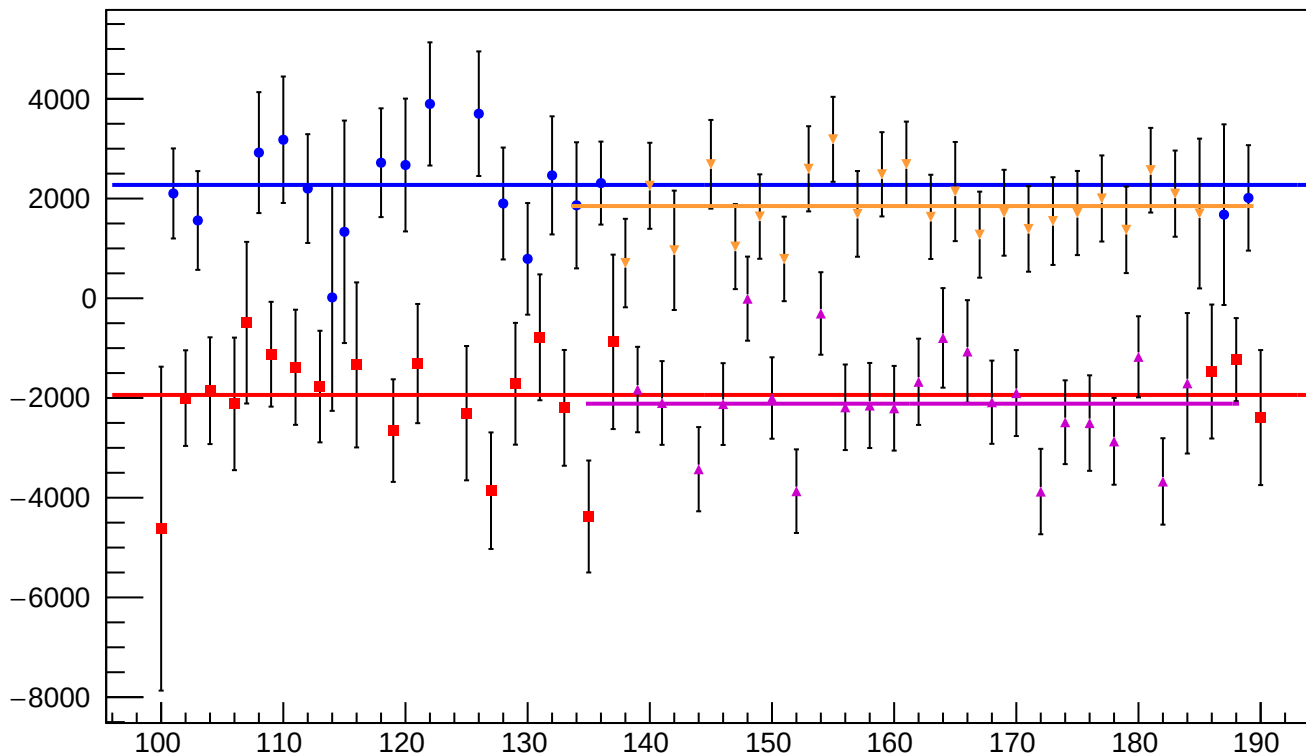


reg_asym_us_avg_mean vs Slug



Right In: 2273.209+/-276.774

χ^2/NDF : 8.0/17

Left Out: 1849.592+/-180.739

χ^2/NDF : 12.8/23

Right Out: -1938.855+/-263.089

χ^2/NDF : 13.0/20

Left In: -2114.442+/-182.028

χ^2/NDF : 31.1/22

+ sign 1976.233+/-151.330

χ^2/NDF : 22.5/41

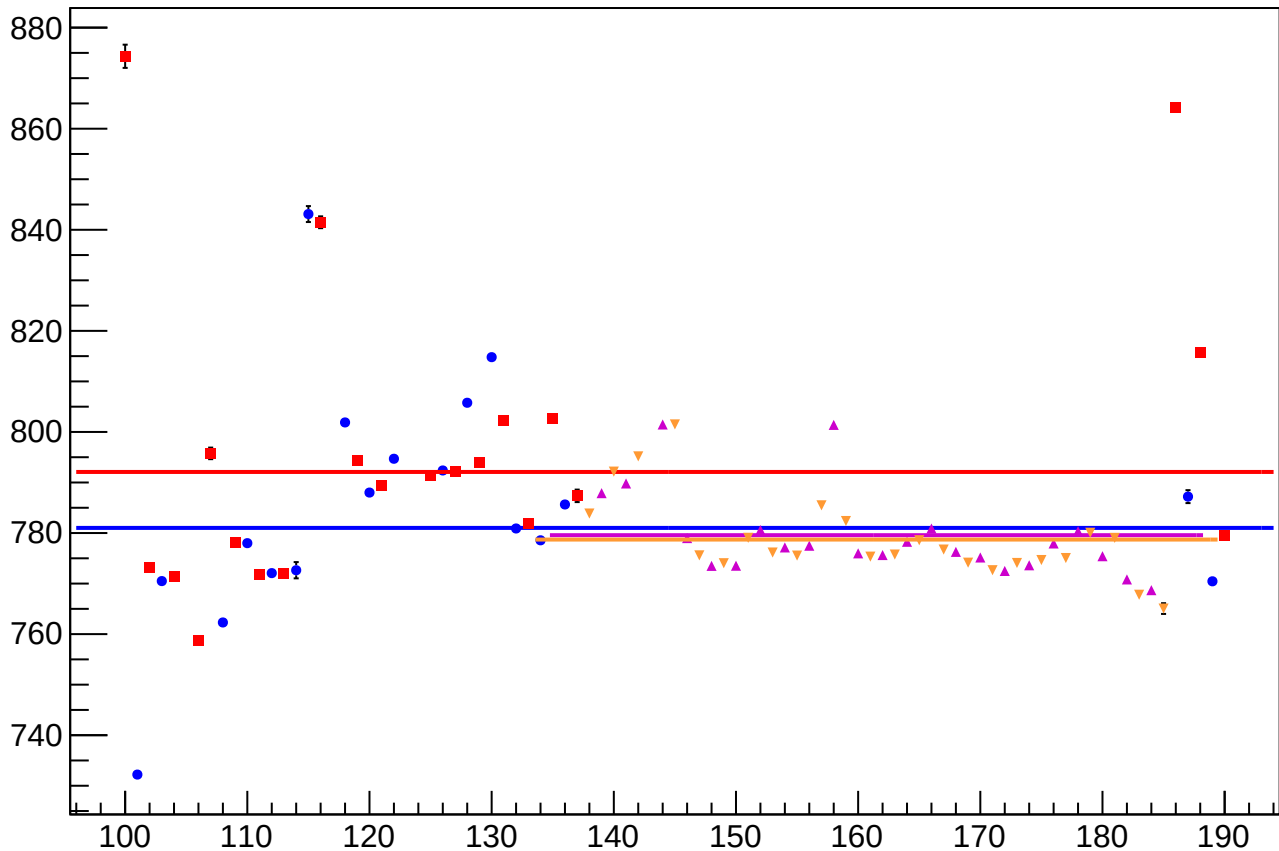
All: -62.645+/-106.423

χ^2/NDF : 426.0/85

- sign -2057.598+/-149.691

χ^2/NDF : 44.4/43

reg_asym_us_avg_rms vs Slug



Right In: 781.016 $\pm$ 0.196 χ^2 /NDF: 12551.6/17

Left Out: 778.708 $\pm$ 0.128 χ^2 /NDF:3389.8/23

Right Out: 792.086 $\pm$ 0.186 χ^2 /NDF: 15520.8/20

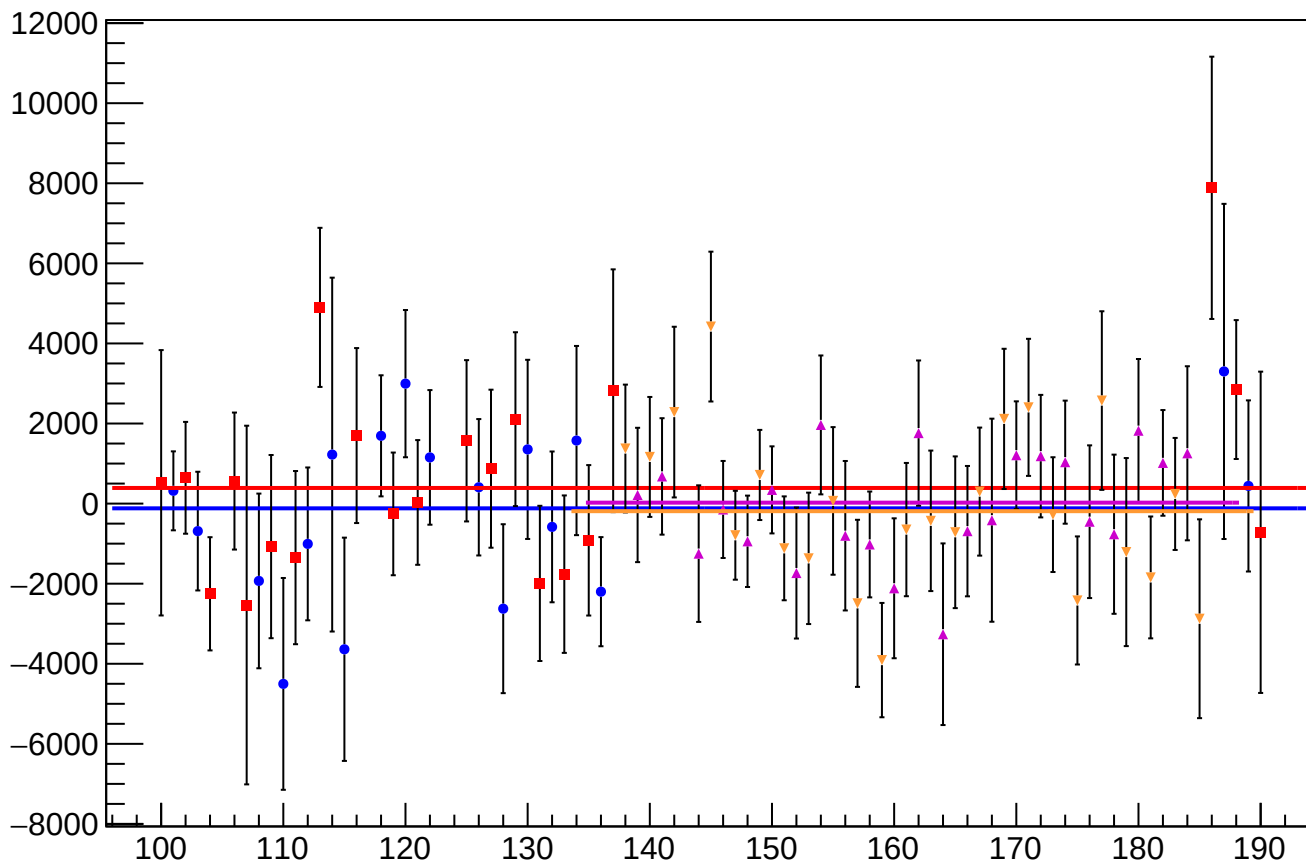
Left In: 779.575 $\pm$ 0.129 χ^2 /NDF:4172.9/22

+ sign 779.398 $\pm$ 0.107 χ^2 /NDF: 16038.9/41

All: 781.535 $\pm$ 0.075 χ^2 /NDF: 39579.8/85

- sign 783.625 $\pm$ 0.106 χ^2 /NDF: 22752.3/43

asym_us_avg_reg_correction_mean vs Slug



Right In: -118.213 ± 429.407 χ^2/NDF : 16.1/17

Left Out: -189.006 ± 327.675 χ^2/NDF : 29.6/23

Right Out: 390.610 ± 433.468 χ^2/NDF : 23.0/20

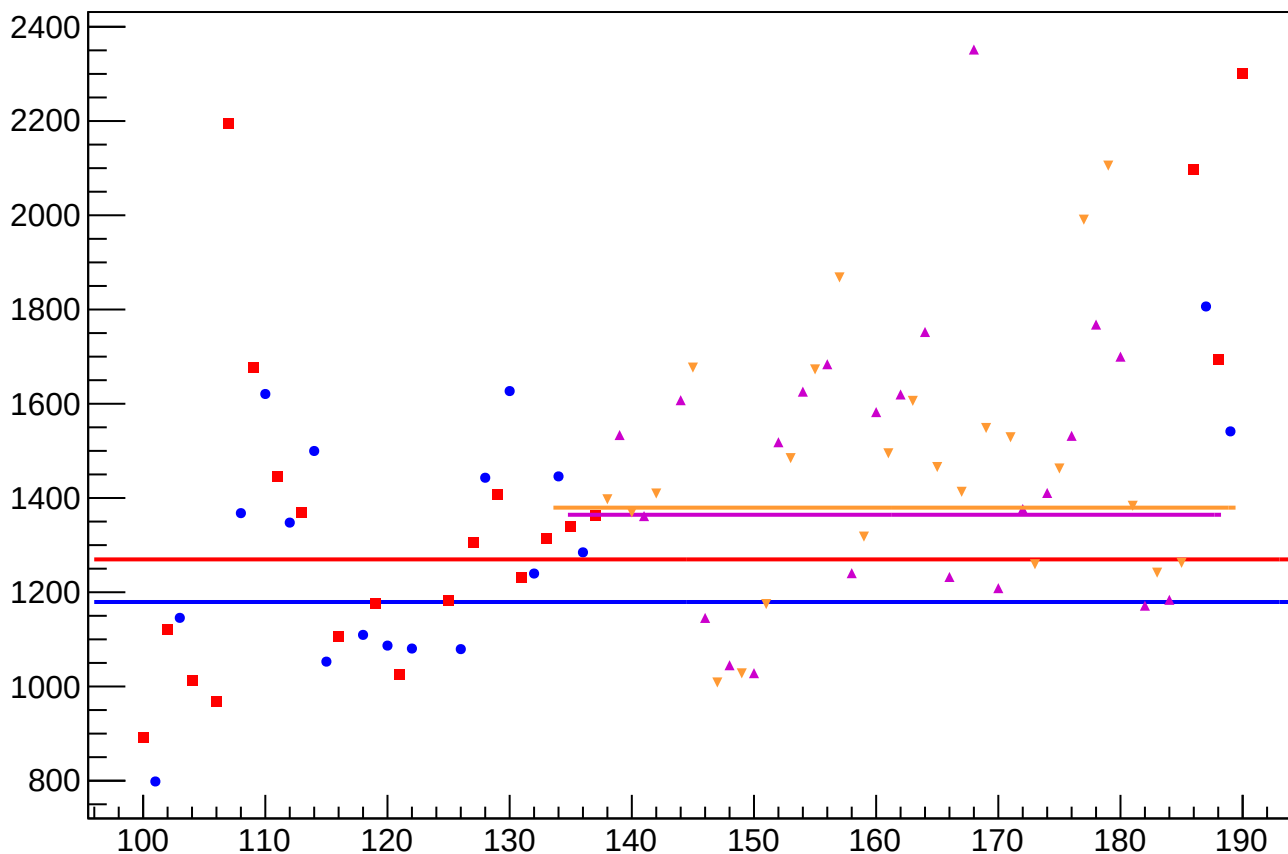
Left In: 23.750 ± 325.809 χ^2/NDF : 13.5/22

+ sign -162.954 ± 260.494 χ^2/NDF : 45.8/41

All: -3.351 ± 184.179 χ^2/NDF : 83.4/85

- sign 156.188 ± 260.443 χ^2/NDF : 36.9/43

asym_us_avg_reg_correction_rms vs Slug



Right In: 1179.307 ± 0.304 χ^2/NDF : 676590.7/17

Left Out: 1379.536 ± 0.232 χ^2/NDF : 1158468.5/23

Right Out: 1269.710 ± 0.307 χ^2/NDF : 810855.1/20

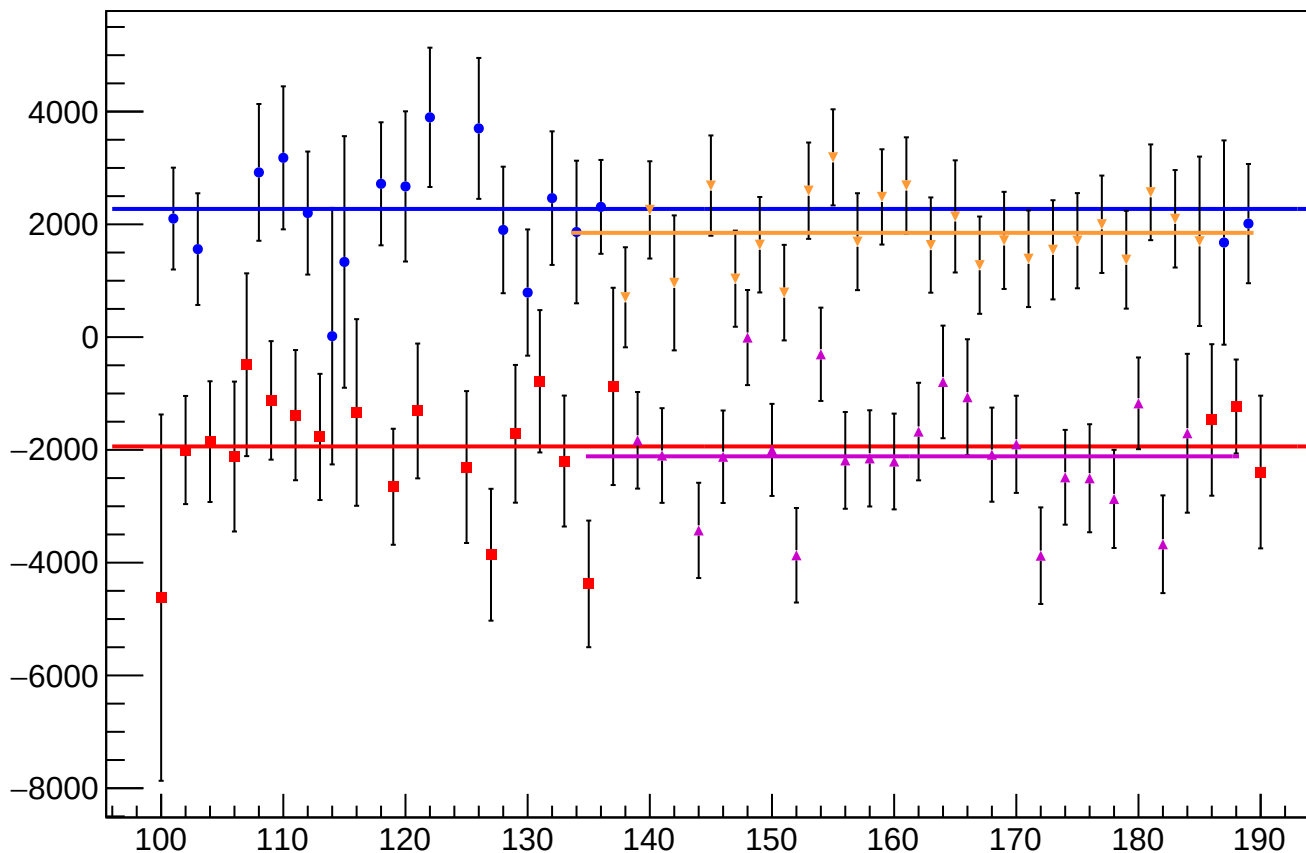
Left In: 1364.412 ± 0.230 χ^2/NDF : 1312299.5/22

+ sign 1305.850 ± 0.184 χ^2/NDF : 2109884.2/41

All: 1318.040 ± 0.130 χ^2/NDF : 4302795.5/85

- sign 1330.224 ± 0.184 χ^2/NDF : 2184154.3/43

cor_asym_us_avg_mean vs Slug



Right In: 2273.209 $\pm$ 276.774 χ^2/NDF : 8.0/17

Left Out: 1849.592 $\pm$ 180.739 χ^2/NDF :12.8/23

Right Out: -1938.855 $\pm$ 263.089 χ^2/NDF : 13.0/20

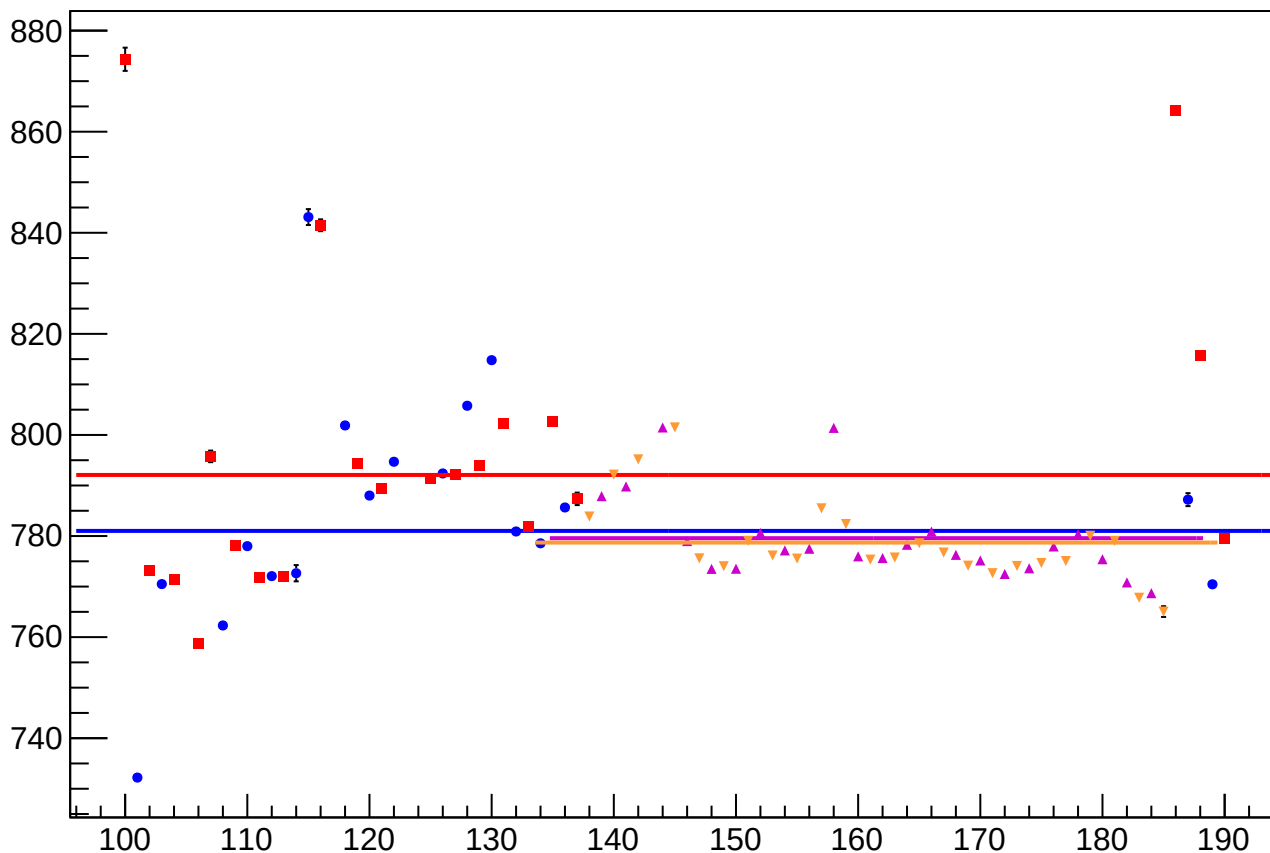
Left In: -2114.442 $\pm$ 182.028 χ^2/NDF :31.1/22

+ sign 1976.233 $\pm$ 151.330 χ^2/NDF : 22.5/41

All: -62.645 $\pm$ 106.423 χ^2/NDF : 426.0/85

- sign -2057.598 $\pm$ 149.691 χ^2/NDF : 44.4/43

cor_asym_us_avg_rms vs Slug



Right In: 781.016 $\pm$ 0.196 χ^2 /NDF: 12551.6/17

Left Out: 778.708 $\pm$ 0.128 χ^2 /NDF:3389.8/23

Right Out: 792.086 $\pm$ 0.186 χ^2 /NDF: 15520.8/20

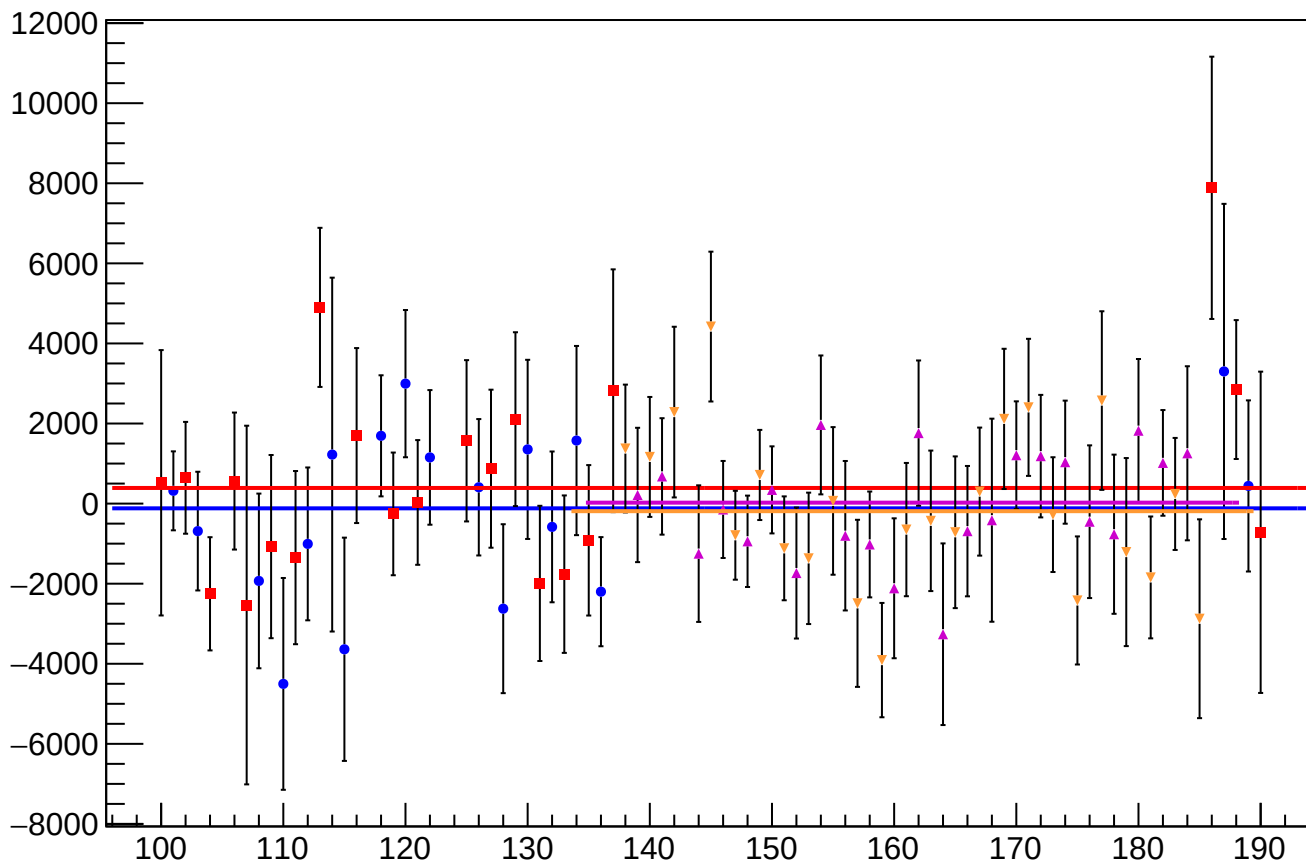
Left In: 779.575 $\pm$ 0.129 χ^2 /NDF:4172.9/22

+ sign 779.398 $\pm$ 0.107 χ^2 /NDF: 16038.9/41

All: 781.535 $\pm$ 0.075 χ^2 /NDF: 39579.8/85

- sign 783.625 $\pm$ 0.106 χ^2 /NDF: 22752.3/43

asym_us_avg_cor_correction_mean vs Slug



Right In: -118.213 ± 429.407 χ^2/NDF : 16.1/17

Left Out: -189.006 ± 327.675 χ^2/NDF : 29.6/23

Right Out: 390.610 ± 433.468 χ^2/NDF : 23.0/20

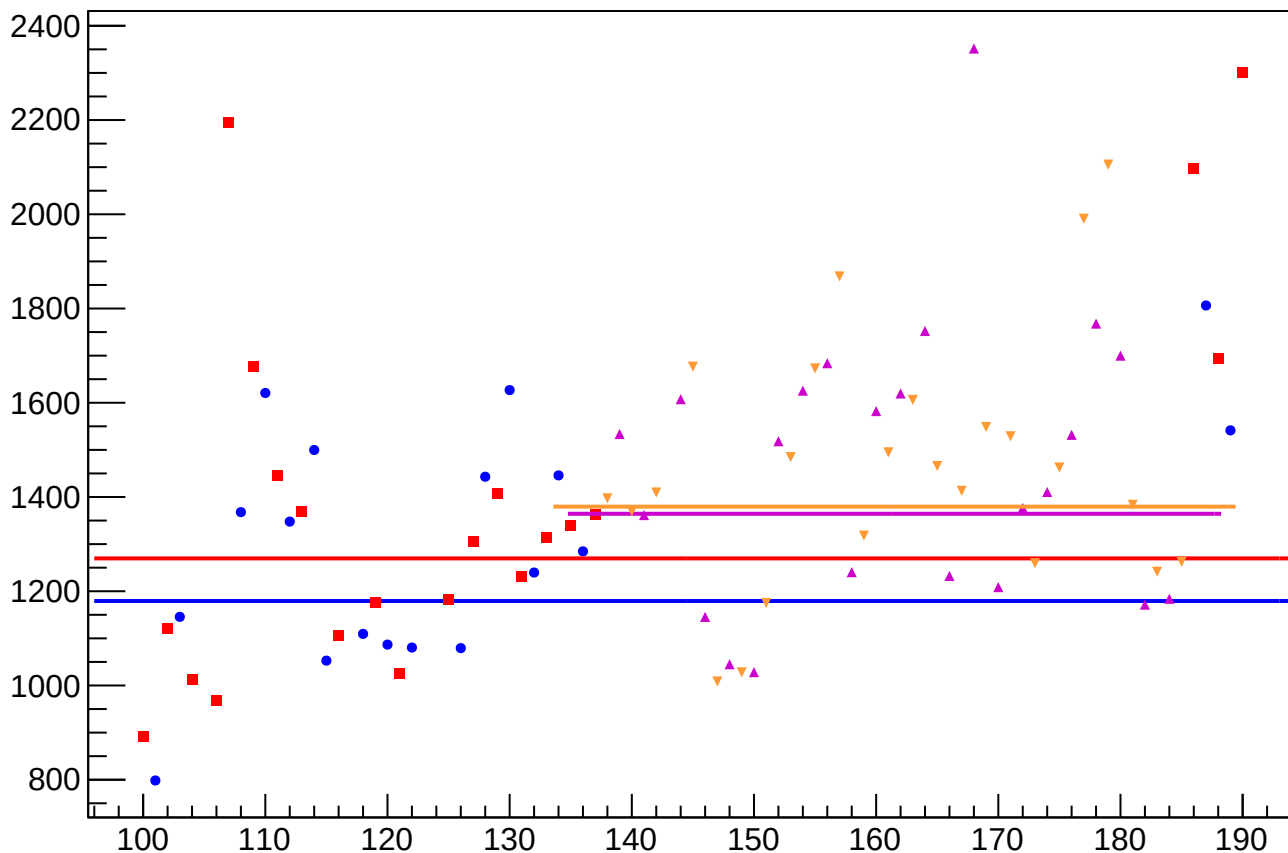
Left In: 23.750 ± 325.809 χ^2/NDF : 13.5/22

+ sign -162.954 ± 260.494 χ^2/NDF : 45.8/41

All: -3.351 ± 184.179 χ^2/NDF : 83.4/85

- sign 156.188 ± 260.443 χ^2/NDF : 36.9/43

asym_us_avg_cor_correction_rms vs Slug



Right In: 1179.307 $\pm$ 0.304 χ^2 /NDF: 676590.7/17

Left Out: 1379.536 $\pm$ 0.232 χ^2 /NDF: 1158468.5/23

Right Out: 1269.710 $\pm$ 0.307 χ^2 /NDF: 810855.1/20

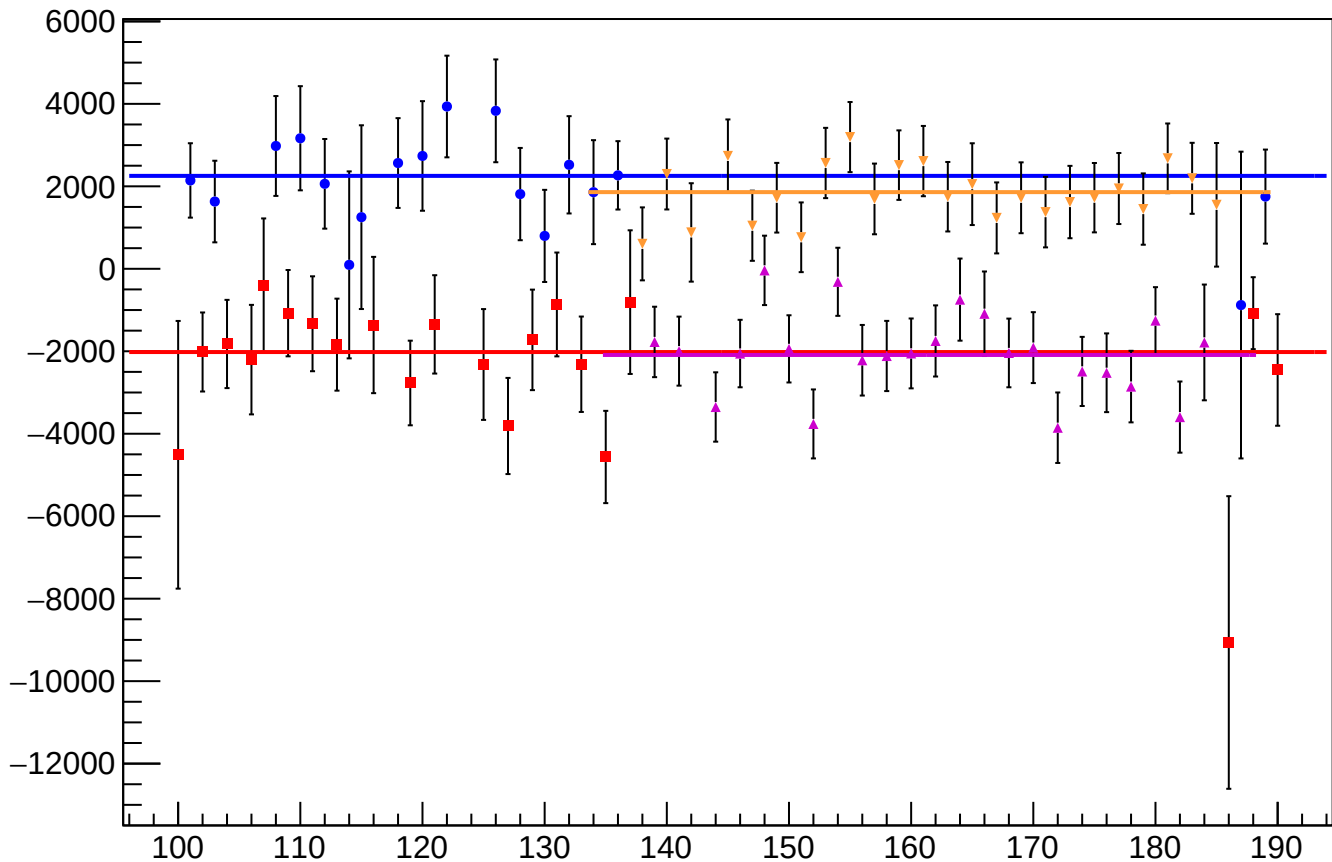
Left In: 1364.412 $\pm$ 0.230 χ^2 /NDF: 1312299.5/22

+ sign 1305.850 $\pm$ 0.184 χ^2 /NDF: 2109884.2/41

All: 1318.040 $\pm$ 0.130 χ^2 /NDF: 4302795.5/85

- sign 1330.224 $\pm$ 0.184 χ^2 /NDF: 2184154.3/43

overload_cor_asym_us_avg_mean vs Slug



Right In: 2253.415 ± 279.988 χ^2/NDF : 9.0/17

Left Out: 1859.528 ± 180.231 χ^2/NDF : 13.5/23

Right Out: -2018.784 ± 268.170 χ^2/NDF : 18.1/20

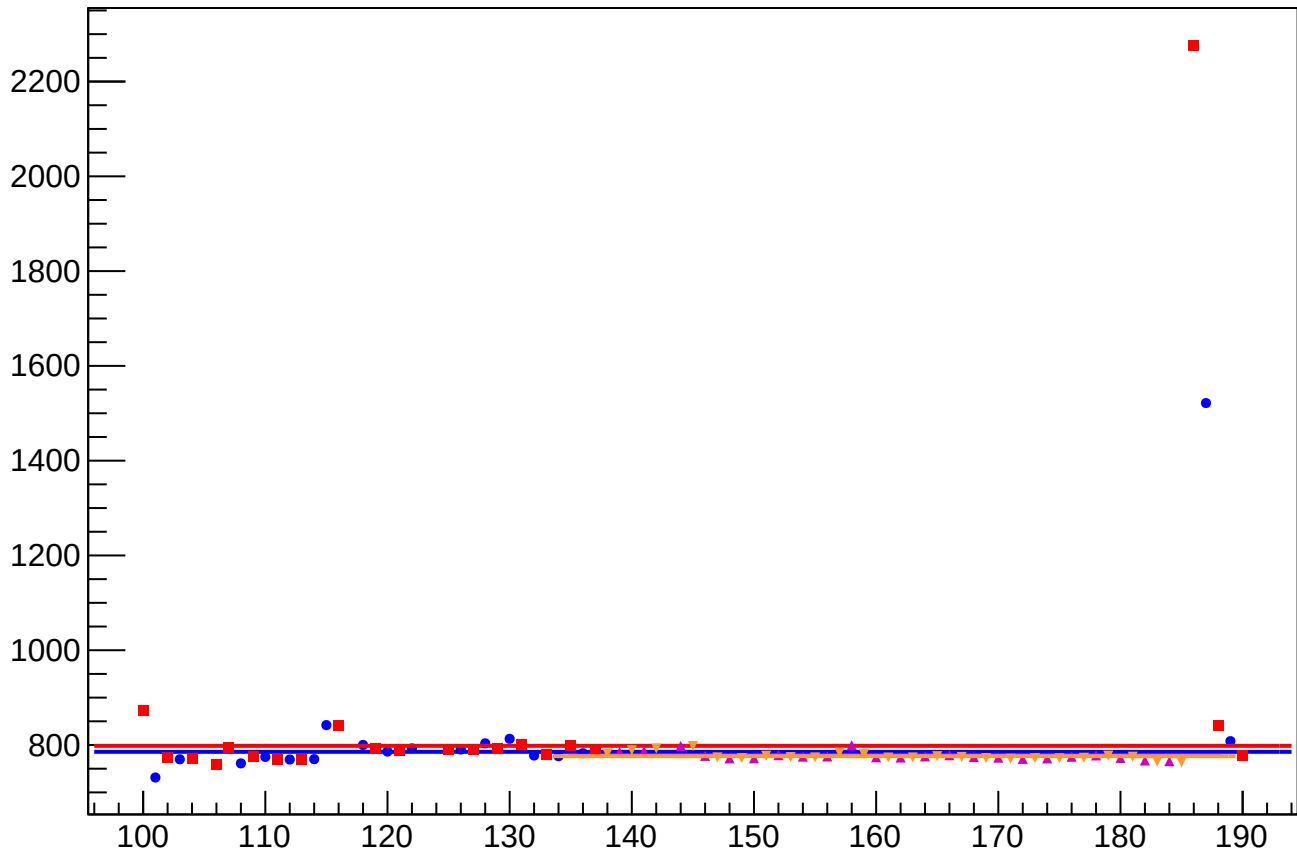
Left In: -2089.493 ± 181.523 χ^2/NDF : 29.6/22

+ sign 1974.924 ± 151.547 χ^2/NDF : 23.9/41

All: -62.575 ± 106.725 χ^2/NDF : 430.3/85

- sign -2067.275 ± 150.323 χ^2/NDF : 47.8/43

overload_cor_asym_us_avg_rms vs Slug



Right In: 785.619+/-0.198 χ^2/NDF : 91960.6/17

Left Out: 776.523+/-0.127 χ^2/NDF : 3137.1/23

Right Out: 798.259+/-0.190 χ^2/NDF : 363743.6/20

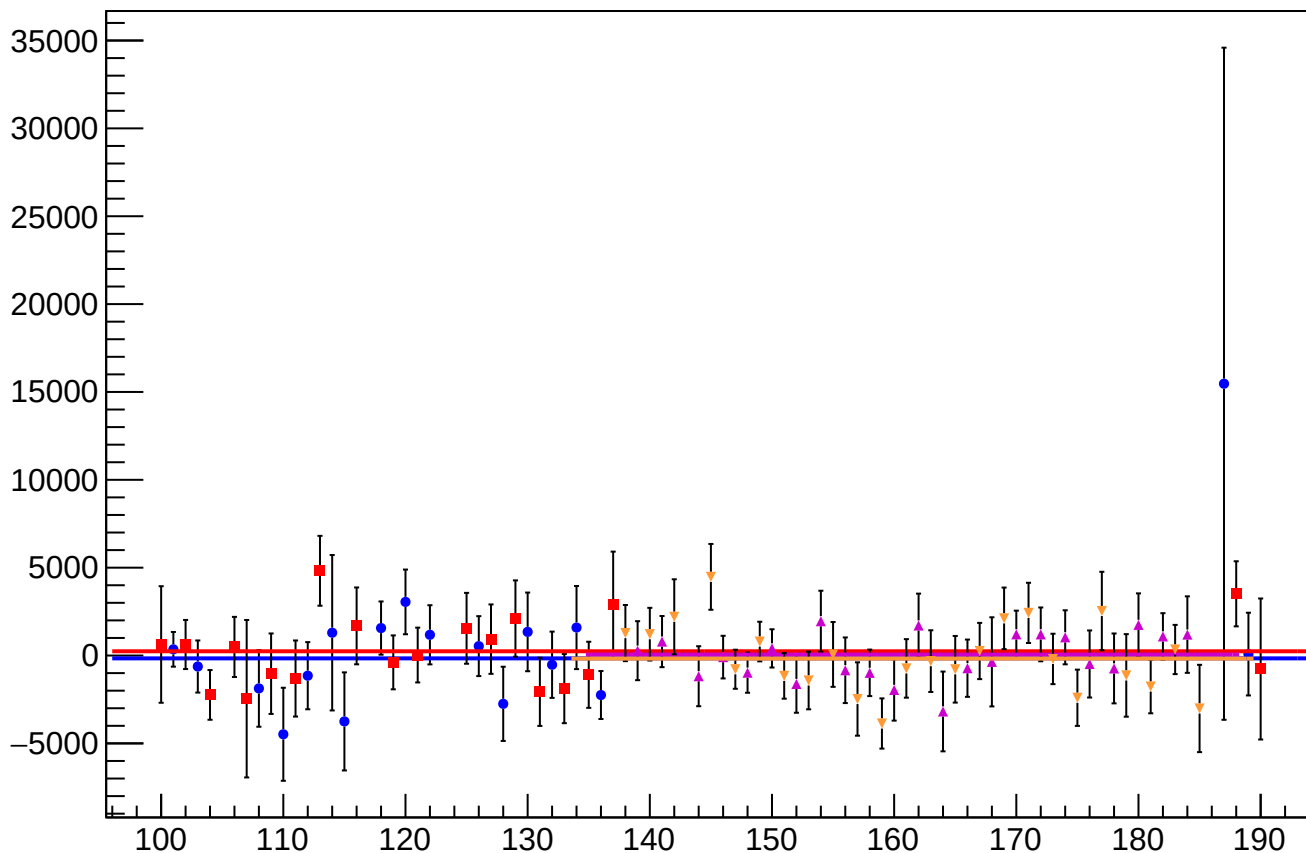
Left In: 777.413+/-0.128 χ^2/NDF : 4062.1/22

+ sign 779.188+/-0.107 χ^2/NDF : 96590.1/41

All: 781.595+/-0.075 χ^2/NDF : 473684.6/85

- sign 783.963+/-0.106 χ^2/NDF : 376093.6/43

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -161.560 ± 433.555 χ^2/NDF : 16.4/17

Left Out: -174.932 ± 327.991 χ^2/NDF : 29.6/23

Right Out: 242.505 ± 439.405 χ^2/NDF : 18.6/19

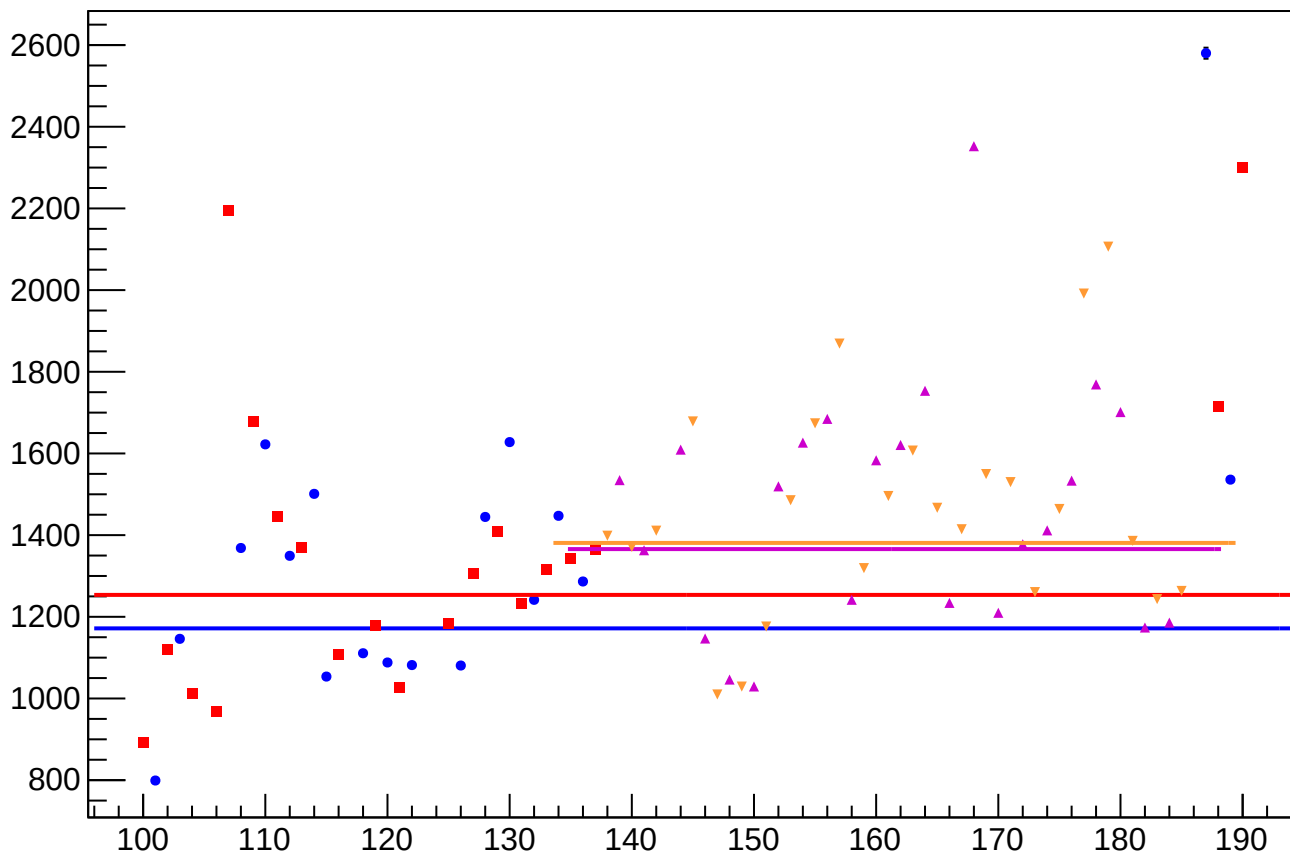
Left In: 52.820 ± 326.124 χ^2/NDF : 13.0/22

+ sign -170.065 ± 261.572 χ^2/NDF : 46.0/41

All: -25.104 ± 185.067 χ^2/NDF : 78.3/84

- sign 120.195 ± 261.877 χ^2/NDF : 31.7/42

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1171.677 $\pm$ 0.307 χ^2 /NDF: 629750.3/17

Left Out: 1380.952 $\pm$ 0.232 χ^2 /NDF: 1155437.6/23

Right Out: 1253.649 $\pm$ 0.311 χ^2 /NDF: 674416.0/19

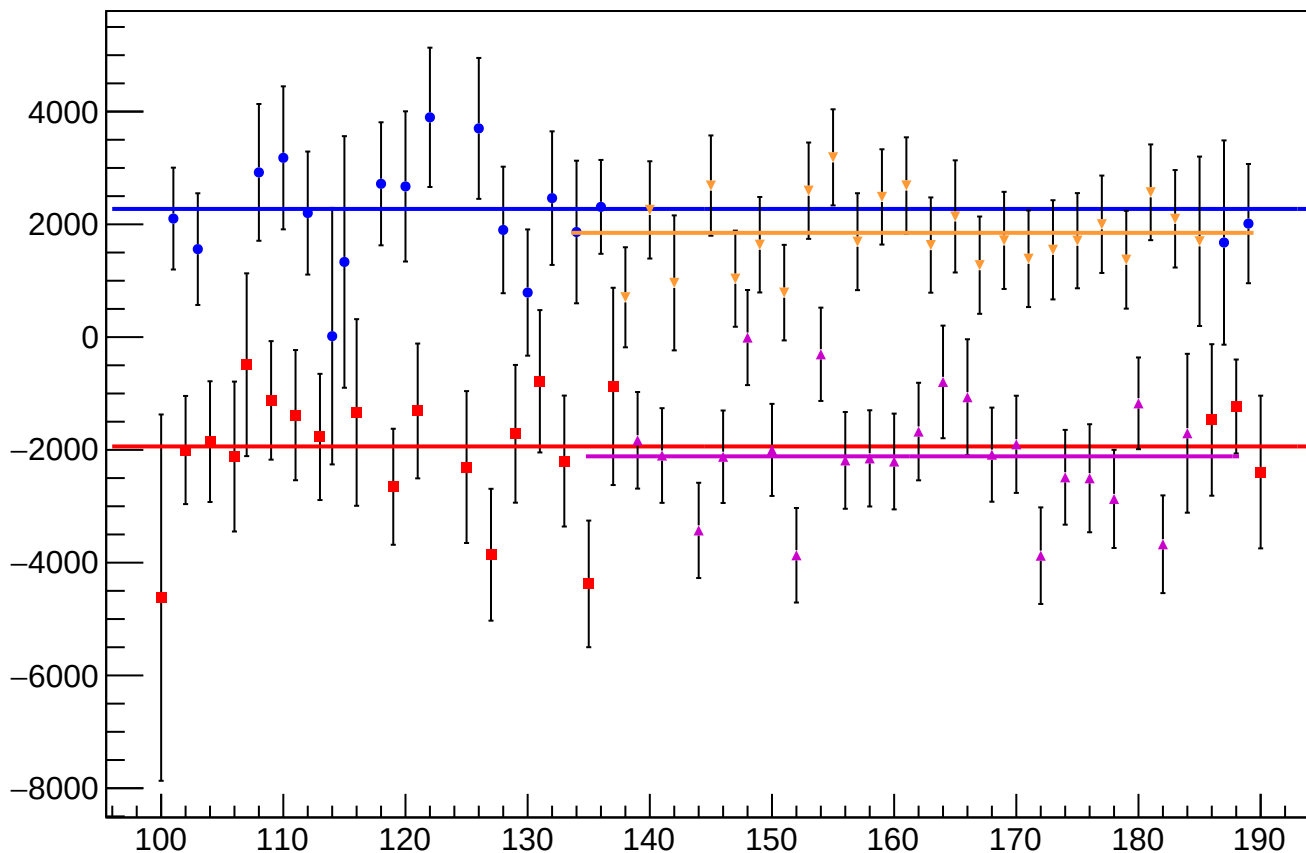
Left In: 1365.811 $\pm$ 0.231 χ^2 /NDF: 1308862.5/22

+ sign 1304.777 $\pm$ 0.185 χ^2 /NDF: 2081559.4/41

All: 1315.362 $\pm$ 0.131 χ^2 /NDF: 4155423.9/84

- sign 1325.972 $\pm$ 0.185 χ^2 /NDF: 2067306.7/42

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2273.209 $\pm$ 276.774 χ^2 /NDF: 8.0/17

Left Out: 1849.592 $\pm$ 180.739 χ^2 /NDF:12.8/23

Right Out: -1938.855 $\pm$ 263.089 χ^2 /NDF: 13.0/20

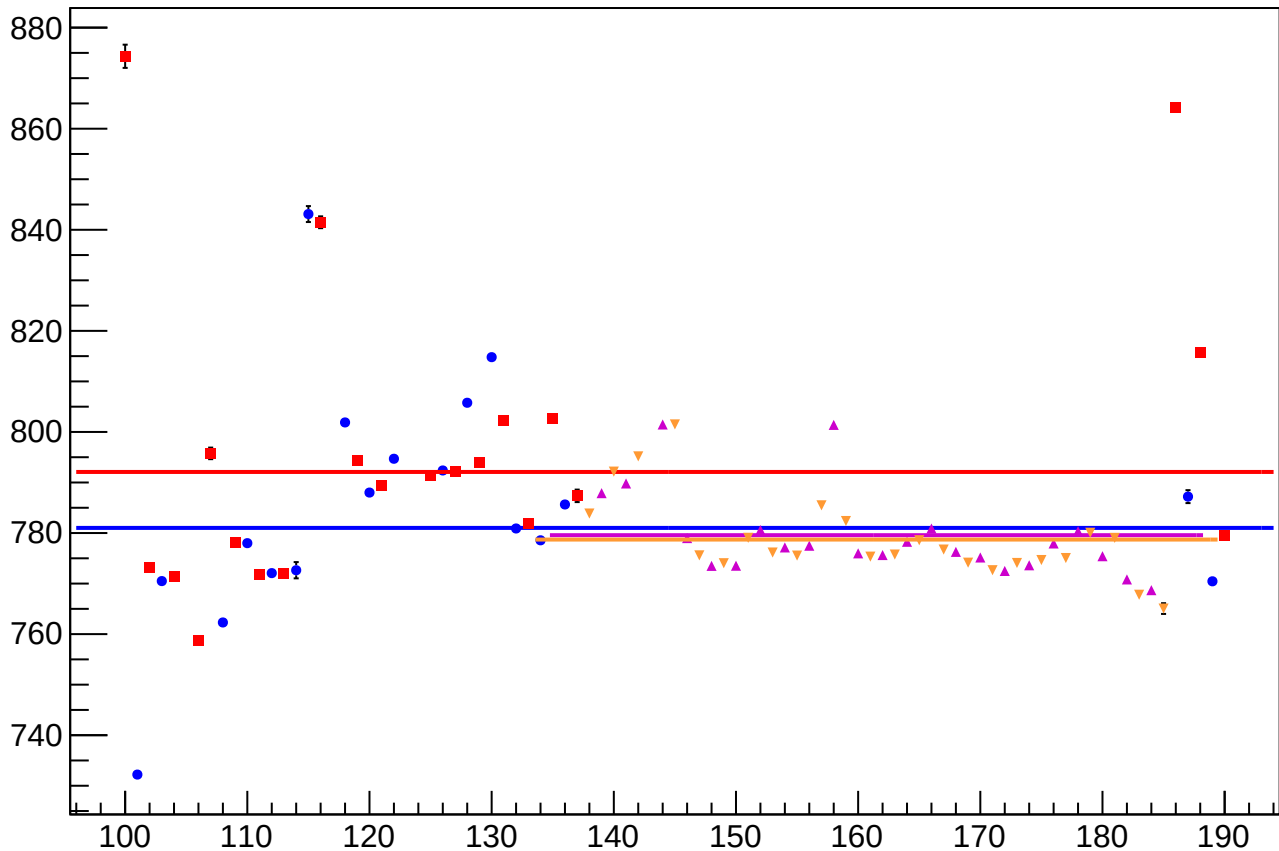
Left In: -2114.442 $\pm$ 182.028 χ^2 /NDF:31.1/22

+ sign 1976.233 $\pm$ 151.330 χ^2 /NDF: 22.5/41

All: -62.645 $\pm$ 106.423 χ^2 /NDF: 426.0/85

- sign -2057.598 $\pm$ 149.691 χ^2 /NDF: 44.4/43

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.016 $\pm$ 0.196 χ^2 /NDF: 12551.6/17

Left Out: 778.708 $\pm$ 0.128 χ^2 /NDF: 3389.8/23

Right Out: 792.086 $\pm$ 0.186 χ^2 /NDF: 15520.8/20

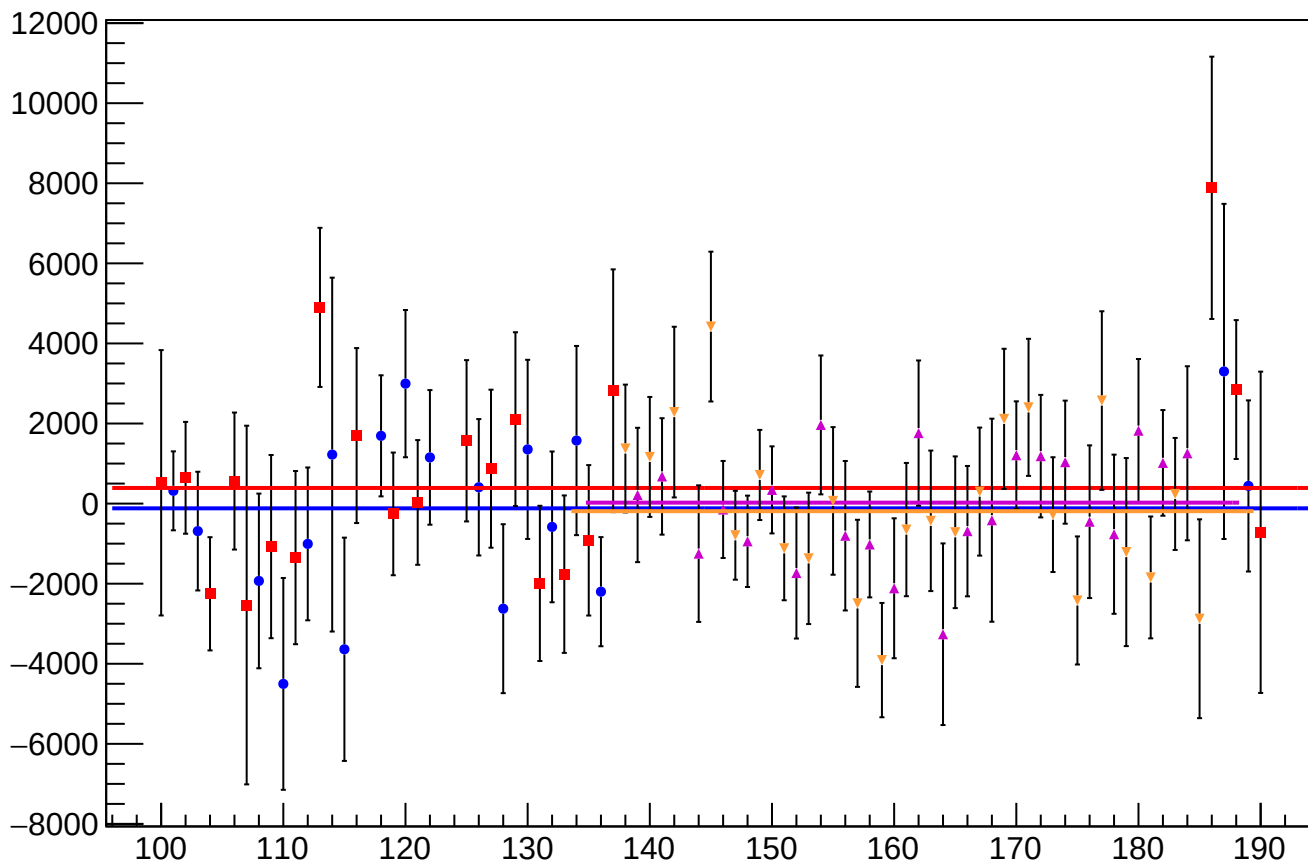
Left In: 779.575 $\pm$ 0.129 χ^2 /NDF: 4172.9/22

+ sign 779.398 $\pm$ 0.107 χ^2 /NDF: 16038.9/41

All: 781.535 $\pm$ 0.075 χ^2 /NDF: 39579.8/85

- sign 783.625 $\pm$ 0.106 χ^2 /NDF: 22752.3/43

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: -118.213 ± 429.407 $\chi^2/\text{NDF}: 16.1/17$

Left Out: -189.006 ± 327.675 $\chi^2/\text{NDF}: 29.6/23$

Right Out: 390.610 ± 433.468 $\chi^2/\text{NDF}: 23.0/20$

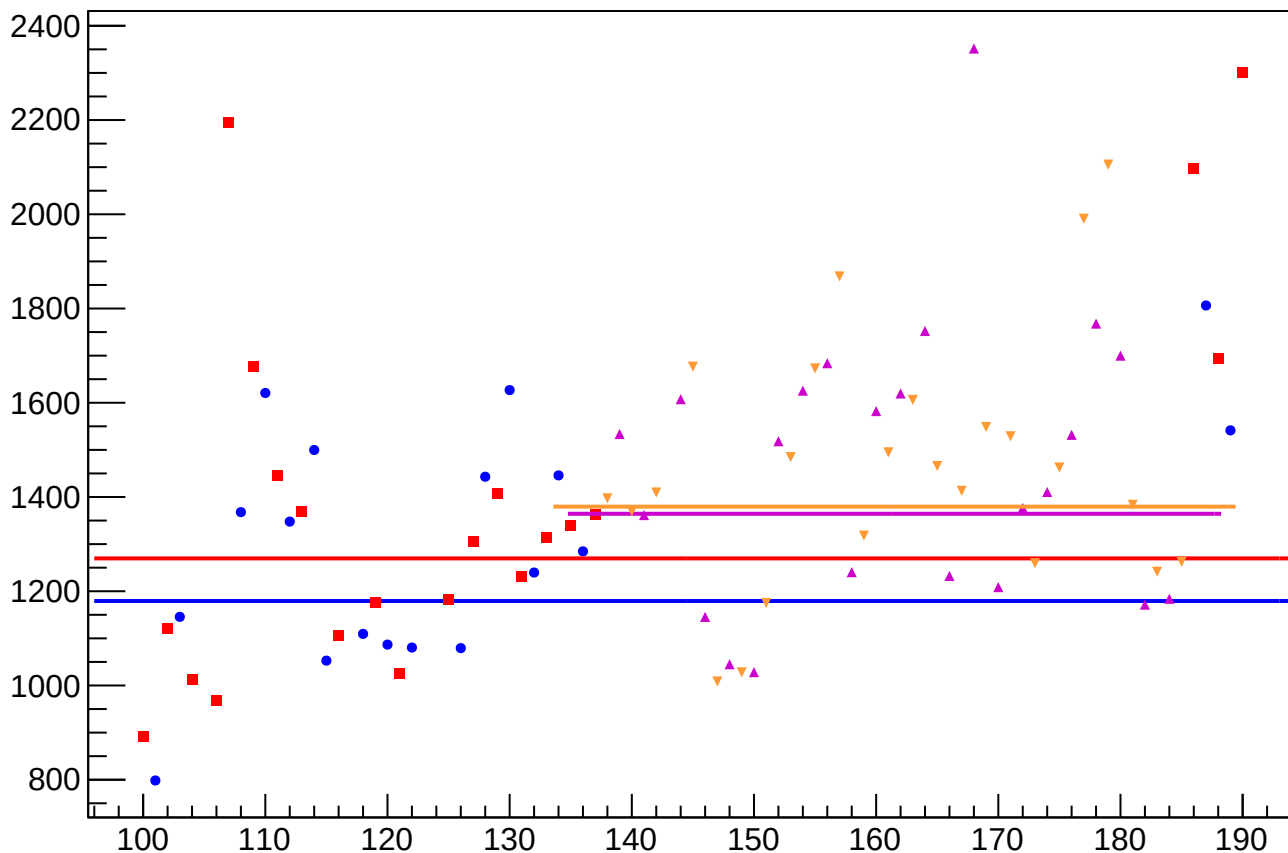
Left In: 23.750 ± 325.809 $\chi^2/\text{NDF}: 13.5/22$

+ sign -162.954 ± 260.494 $\chi^2/\text{NDF}: 45.8/41$

All: -3.351 ± 184.179 $\chi^2/\text{NDF}: 83.4/85$

- sign 156.188 ± 260.443 $\chi^2/\text{NDF}: 36.9/43$

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1179.307 $\pm$ 0.304 χ^2 /NDF: 676590.7/17

Left Out: 1379.536 $\pm$ 0.232 χ^2 /NDF:1158468.5/23

Right Out: 1269.710 $\pm$ 0.307 χ^2 /NDF: 810855.1/20

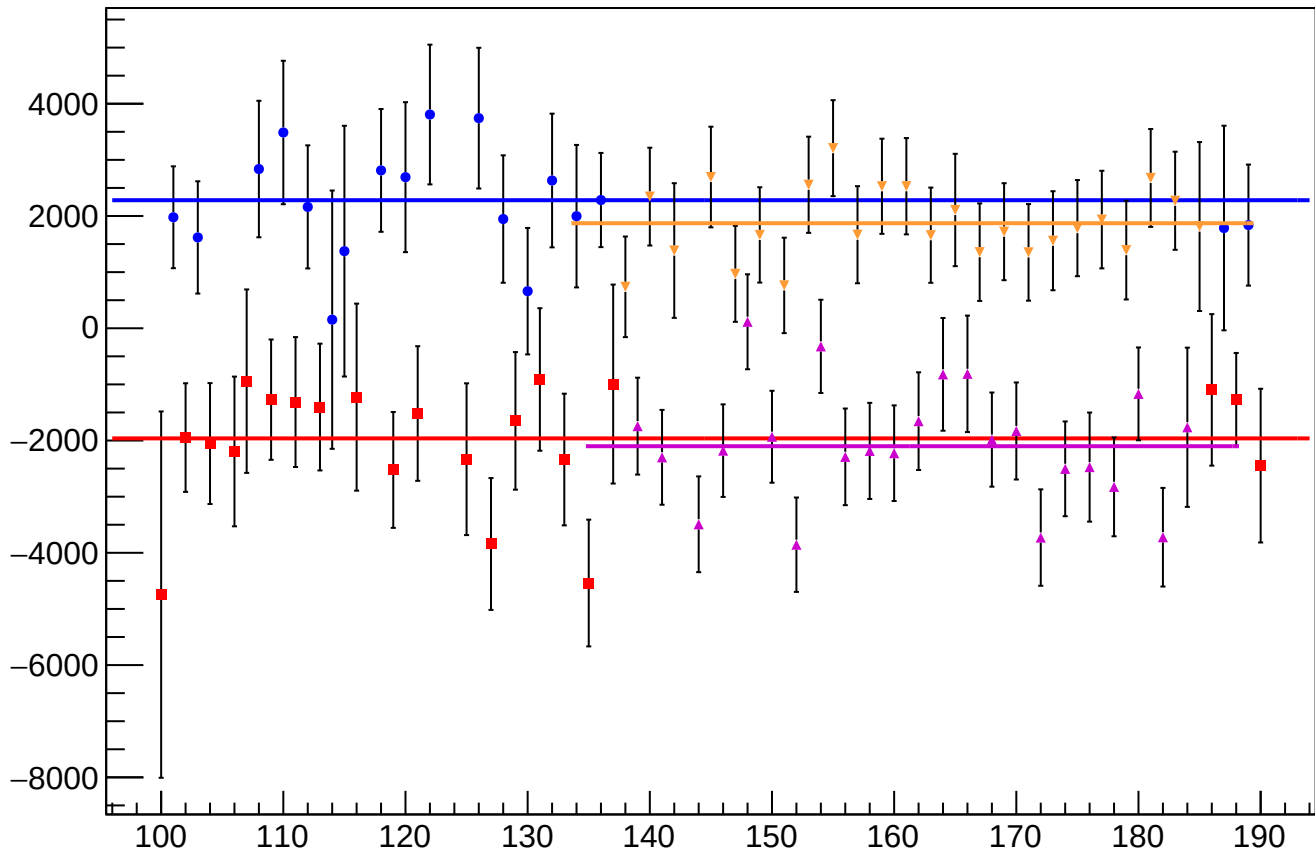
Left In: 1364.412 $\pm$ 0.230 χ^2 /NDF:1312299.5/22

+ sign 1305.850 $\pm$ 0.184 χ^2 /NDF: 2109884.2/41

All: 1318.040 $\pm$ 0.130 χ^2 /NDF: 4302795.5/85

- sign 1330.224 $\pm$ 0.184 χ^2 /NDF: 2184154.3/43

dit_asym_us_avg_mean vs Slug



Right In: 2281.165 $\pm$ 278.687 χ^2 /NDF: 8.4/17

Left Out: 1871.457 $\pm$ 181.976 χ^2 /NDF:12.5/23

Right Out: -1961.897 $\pm$ 264.820 χ^2 /NDF: 13.0/20

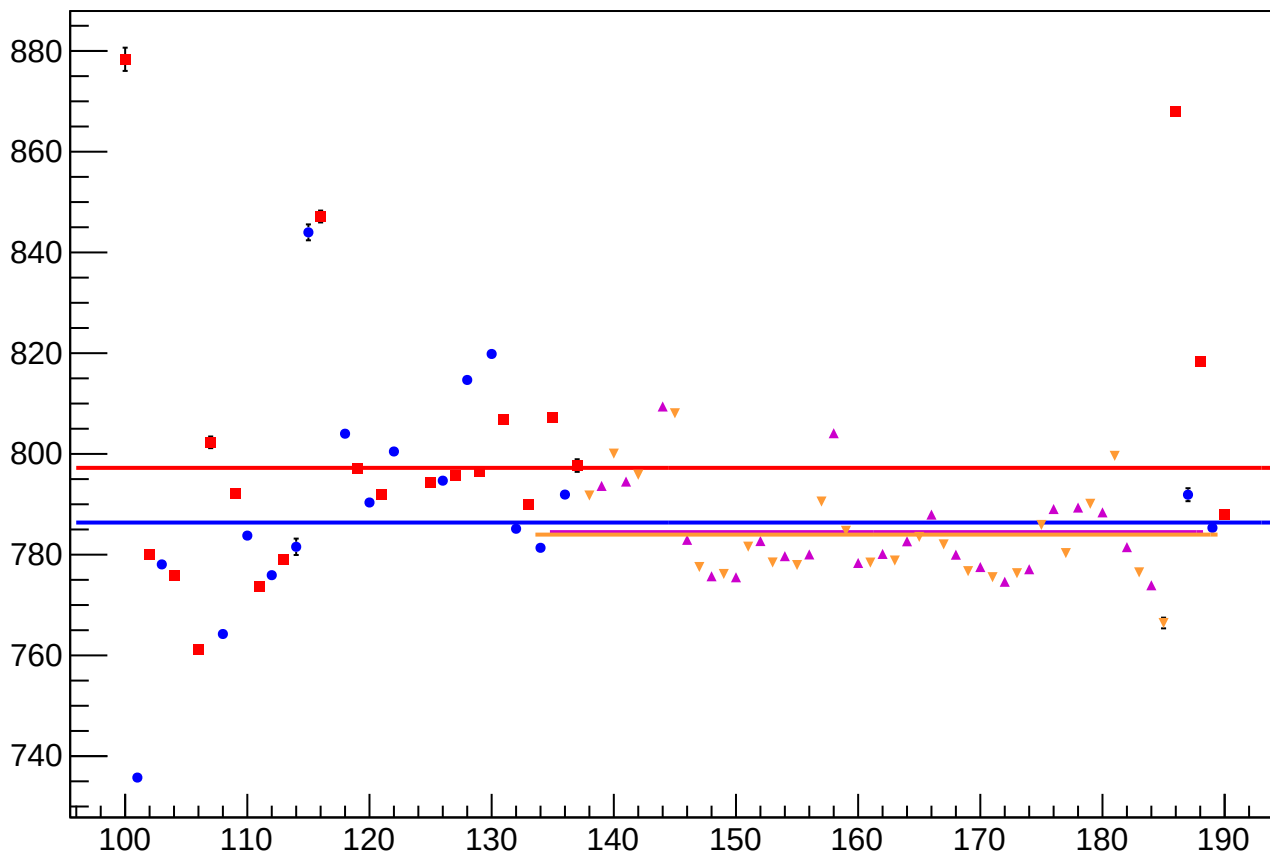
Left In: -2101.047 $\pm$ 183.179 χ^2 /NDF:31.8/22

+ sign 1993.929 $\pm$ 152.369 χ^2 /NDF: 22.4/41

All: -54.016 $\pm$ 107.129 χ^2 /NDF: 424.6/85

- sign -2056.015 $\pm$ 150.651 χ^2 /NDF: 44.9/43

dit_asym_us_avg_rms vs Slug



Right In: 786.375 $\pm$ 0.197 χ^2 /NDF: 12591.5/17

Left Out: 783.982 $\pm$ 0.129 χ^2 /NDF: 4928.0/23

Right Out: 797.230 $\pm$ 0.187 χ^2 /NDF: 14600.0/20

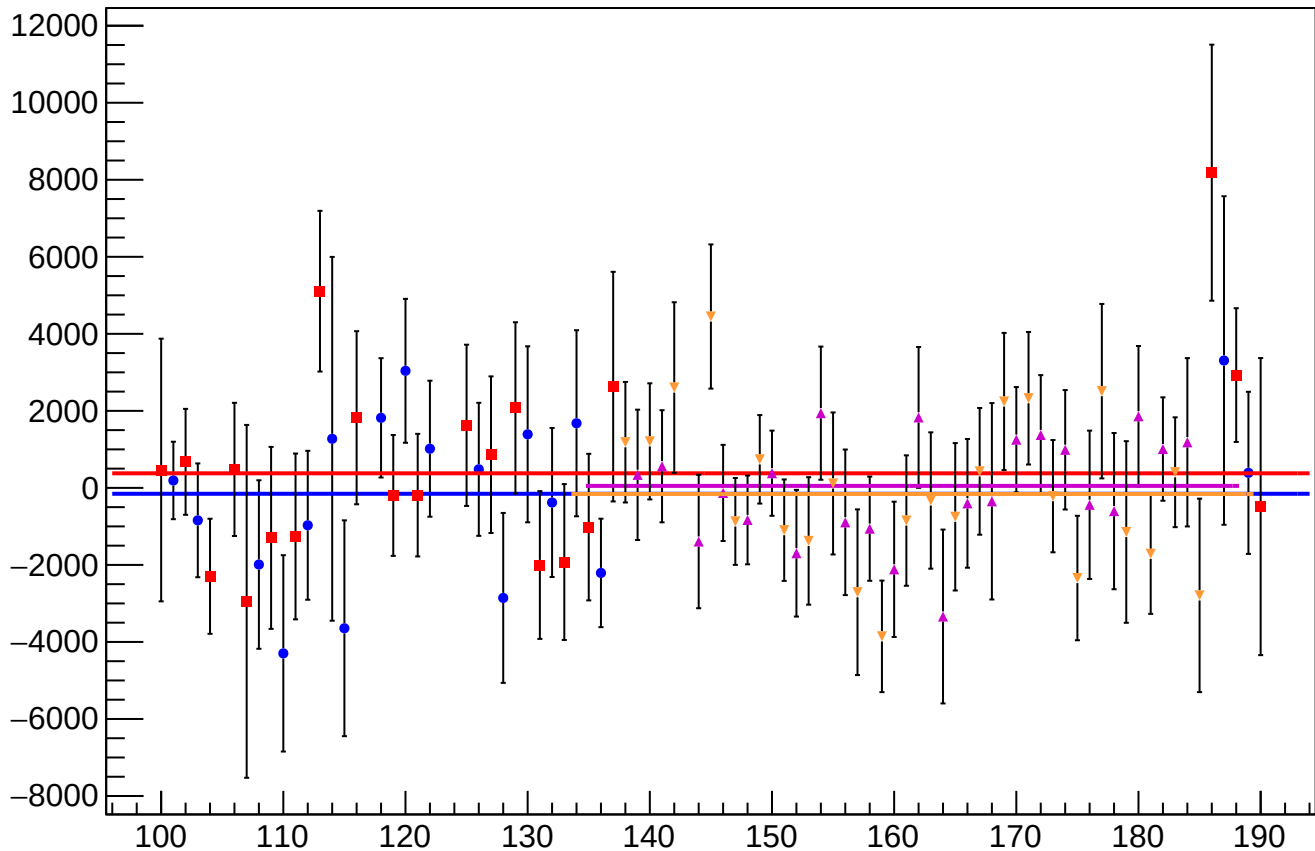
Left In: 784.473 $\pm$ 0.130 χ^2 /NDF: 4927.7/22

+ sign 784.697 $\pm$ 0.108 χ^2 /NDF: 17622.9/41

All: 786.671 $\pm$ 0.076 χ^2 /NDF: 40954.2/85

- sign 788.601 $\pm$ 0.107 χ^2 /NDF: 22667.2/43

asym_us_avg_dit_correction_mean vs Slug



Right In: -152.932 ± 437.301 $\chi^2/\text{NDF}: 16.0/17$

Left Out: -159.275 ± 332.190 $\chi^2/\text{NDF}: 29.1/23$

Right Out: 378.497 ± 441.309 $\chi^2/\text{NDF}: 23.3/20$

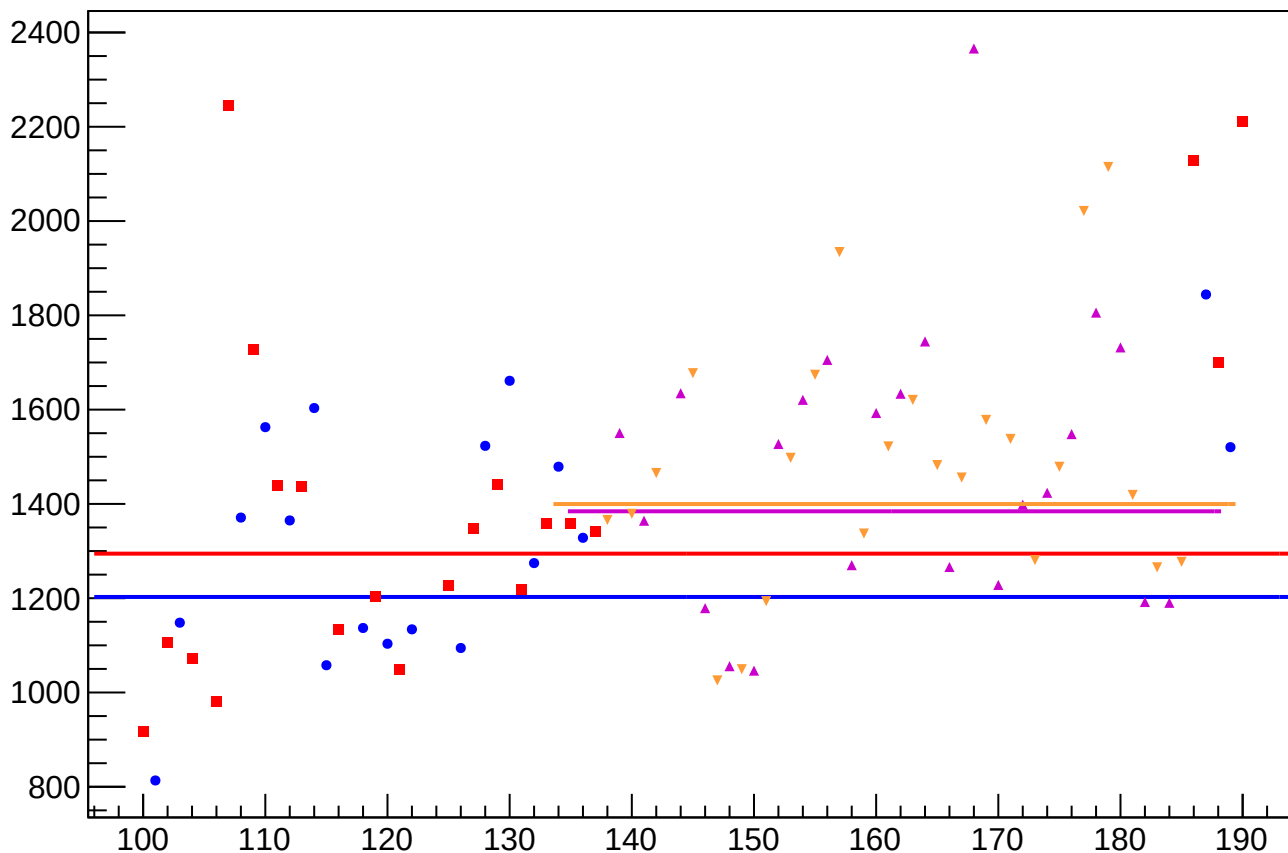
Left In: 51.975 ± 330.206 $\chi^2/\text{NDF}: 13.4/22$

+ sign -156.954 ± 264.524 $\chi^2/\text{NDF}: 45.1/41$

All: 6.192 ± 186.998 $\chi^2/\text{NDF}: 83.0/85$

- sign 169.170 ± 264.388 $\chi^2/\text{NDF}: 37.1/43$

asym_us_avg_dit_correction_rms vs Slug



Right In: 1202.627+/-0.309 χ^2 /NDF: 666603.9/17

Left Out: 1399.717+/-0.235 χ^2 /NDF:1136350.2/23

Right Out: 1294.516+/-0.312 χ^2 /NDF: 776017.8/20

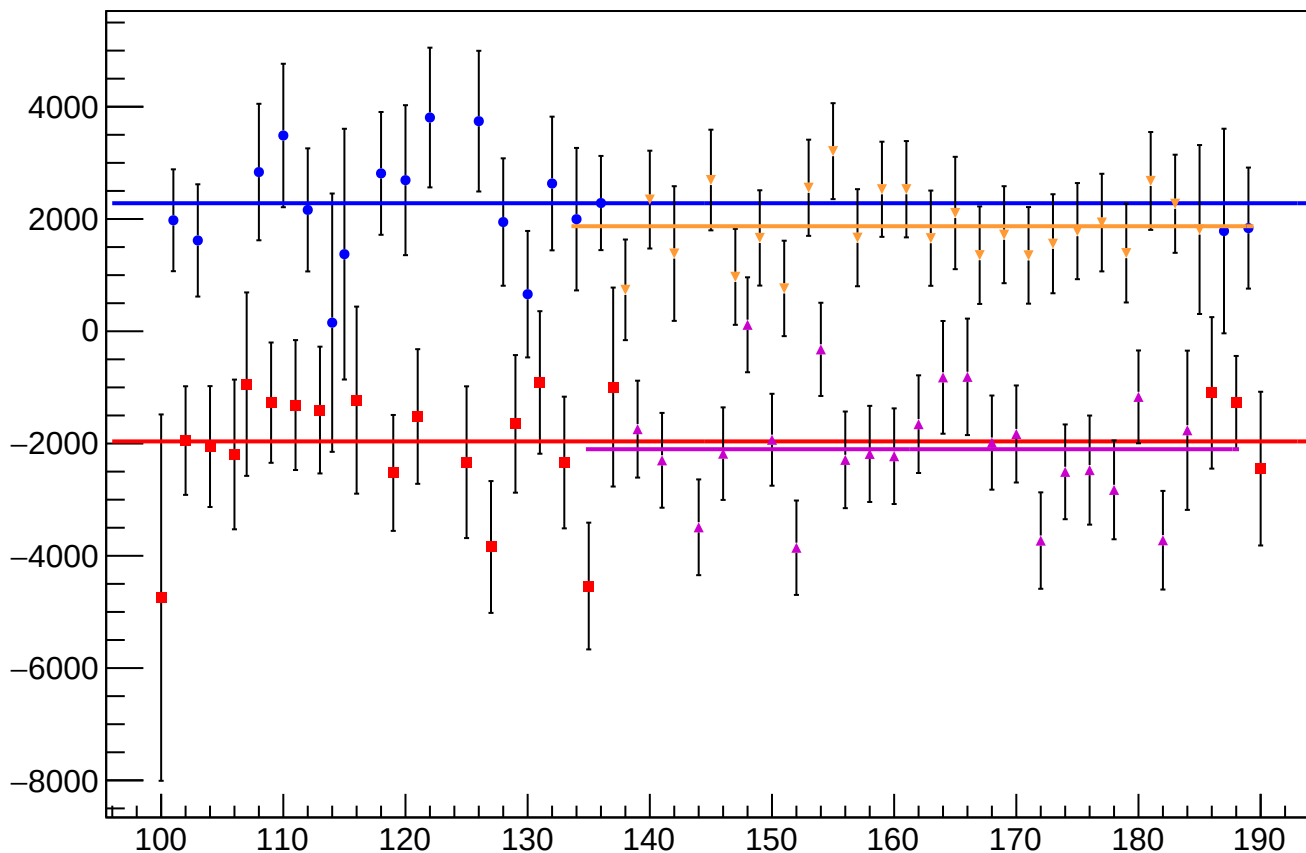
Left In: 1384.333+/-0.233 χ^2 /NDF:1269936.6/22

+ sign 1327.601+/-0.187 χ^2 /NDF: 2060558.5/41

All: 1339.855+/-0.132 χ^2 /NDF: 4168202.9/85

- sign 1352.096+/-0.187 χ^2 /NDF: 2099064.8/43

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2281.164+/-278.687 χ^2/NDF : 8.4/17

Left Out: 1871.455+/-181.976 χ^2/NDF : 12.5/23

Right Out: -1961.895+/-264.819 χ^2/NDF : 13.0/20

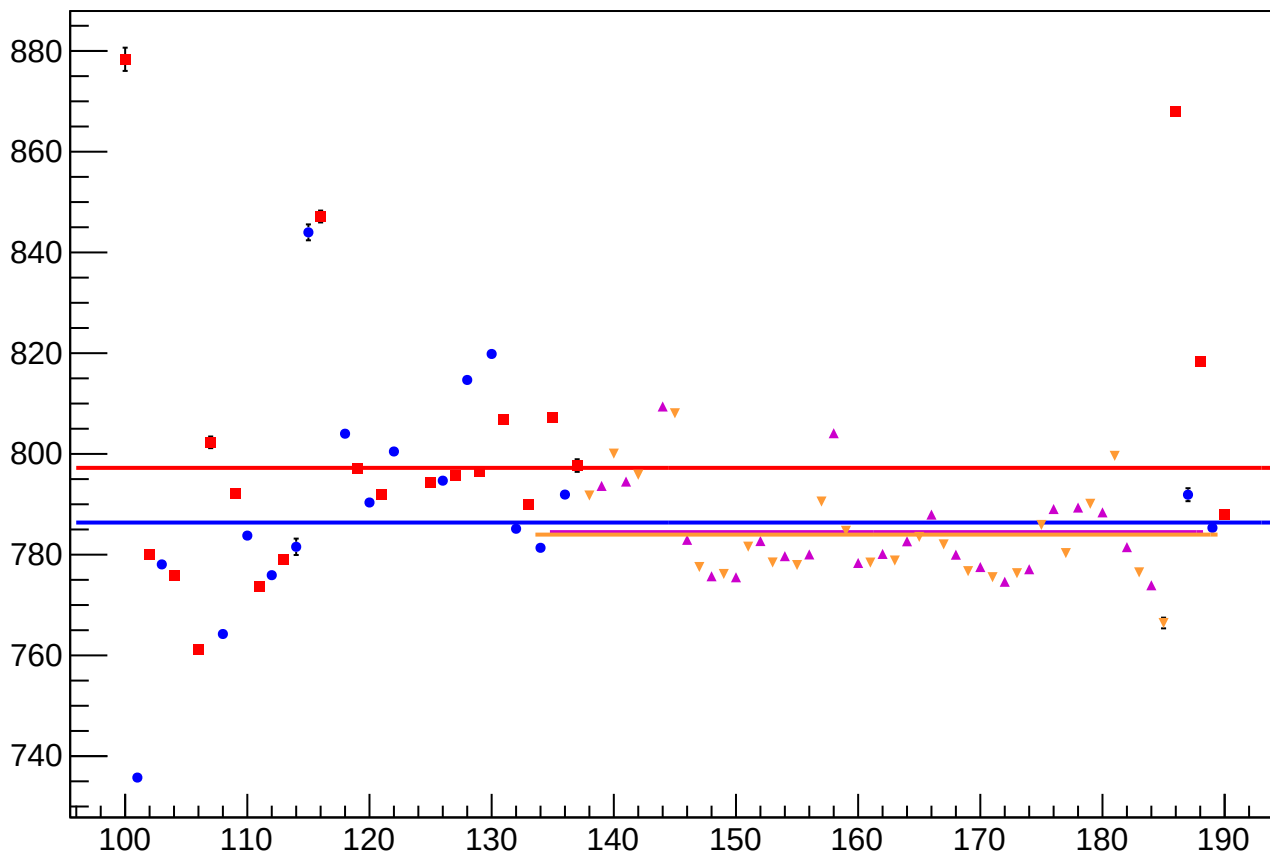
Left In: -2101.047+/-183.179 χ^2/NDF : 31.8/22

+ sign 1993.927+/-152.369 χ^2/NDF : 22.4/41

All: -54.017+/-107.129 χ^2/NDF : 424.6/85

- sign -2056.014+/-150.651 χ^2/NDF : 44.9/43

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.375 $\pm$ 0.197 χ^2 /NDF: 12591.4/17

Left Out: 783.982 $\pm$ 0.129 χ^2 /NDF: 4928.0/23

Right Out: 797.230 $\pm$ 0.187 χ^2 /NDF: 14600.0/20

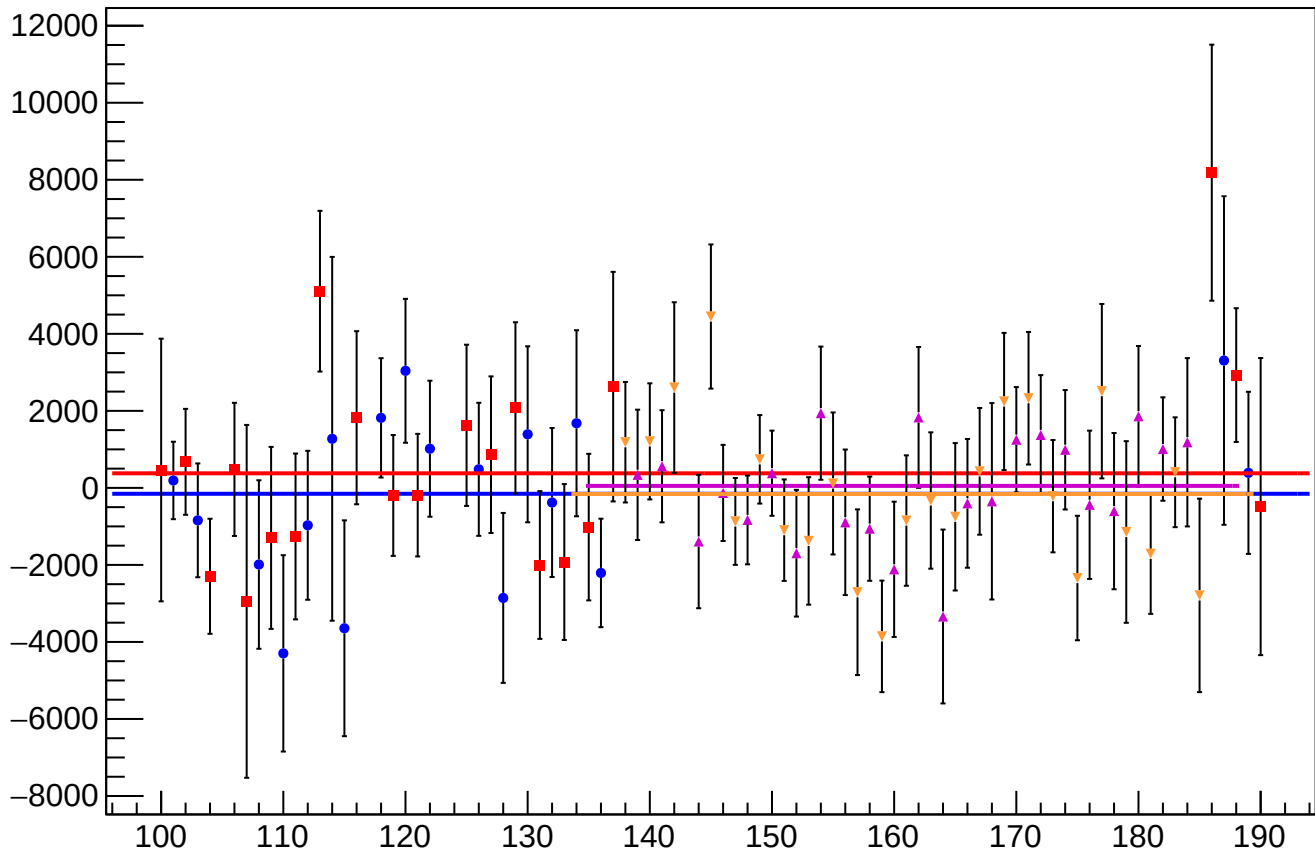
Left In: 784.473 $\pm$ 0.130 χ^2 /NDF: 4927.7/22

+ sign 784.697 $\pm$ 0.108 χ^2 /NDF: 17622.8/41

All: 786.671 $\pm$ 0.076 χ^2 /NDF: 40954.0/85

- sign 788.601 $\pm$ 0.107 χ^2 /NDF: 22667.2/43

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -152.931 ± 437.300 χ^2/NDF : 16.0/17

Left Out: -159.278 ± 332.191 χ^2/NDF : 29.1/23

Right Out: 378.495 ± 441.308 χ^2/NDF : 23.3/20

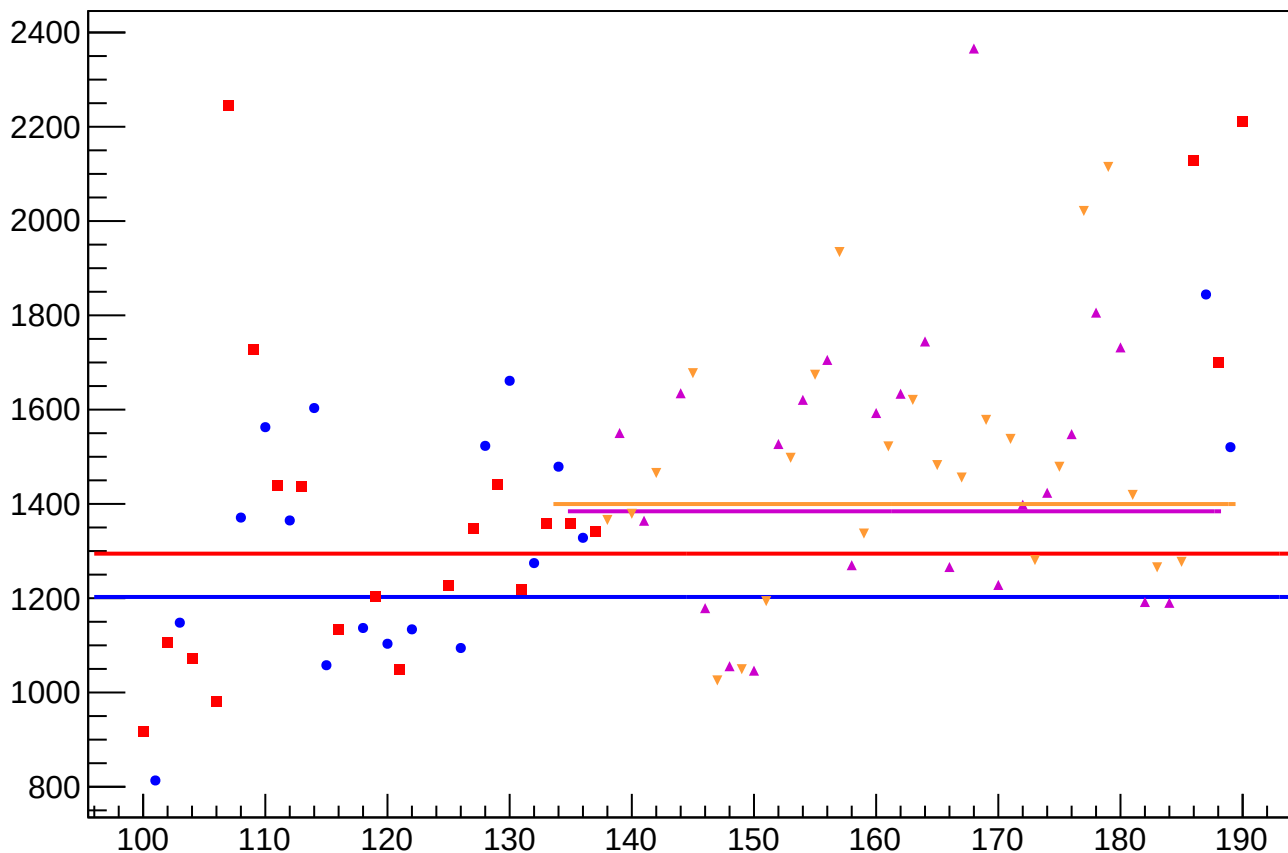
Left In: 51.975 ± 330.207 χ^2/NDF : 13.4/22

+ sign -156.956 ± 264.524 χ^2/NDF : 45.1/41

All: 6.191 ± 186.998 χ^2/NDF : 83.0/85

- sign 169.170 ± 264.388 χ^2/NDF : 37.1/43

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1202.624 $\pm$ 0.309 χ^2/NDF : 666603.6/17

Left Out: 1399.720 $\pm$ 0.235 χ^2/NDF : 1136351.3/23

Right Out: 1294.513 $\pm$ 0.312 χ^2/NDF : 776021.5/20

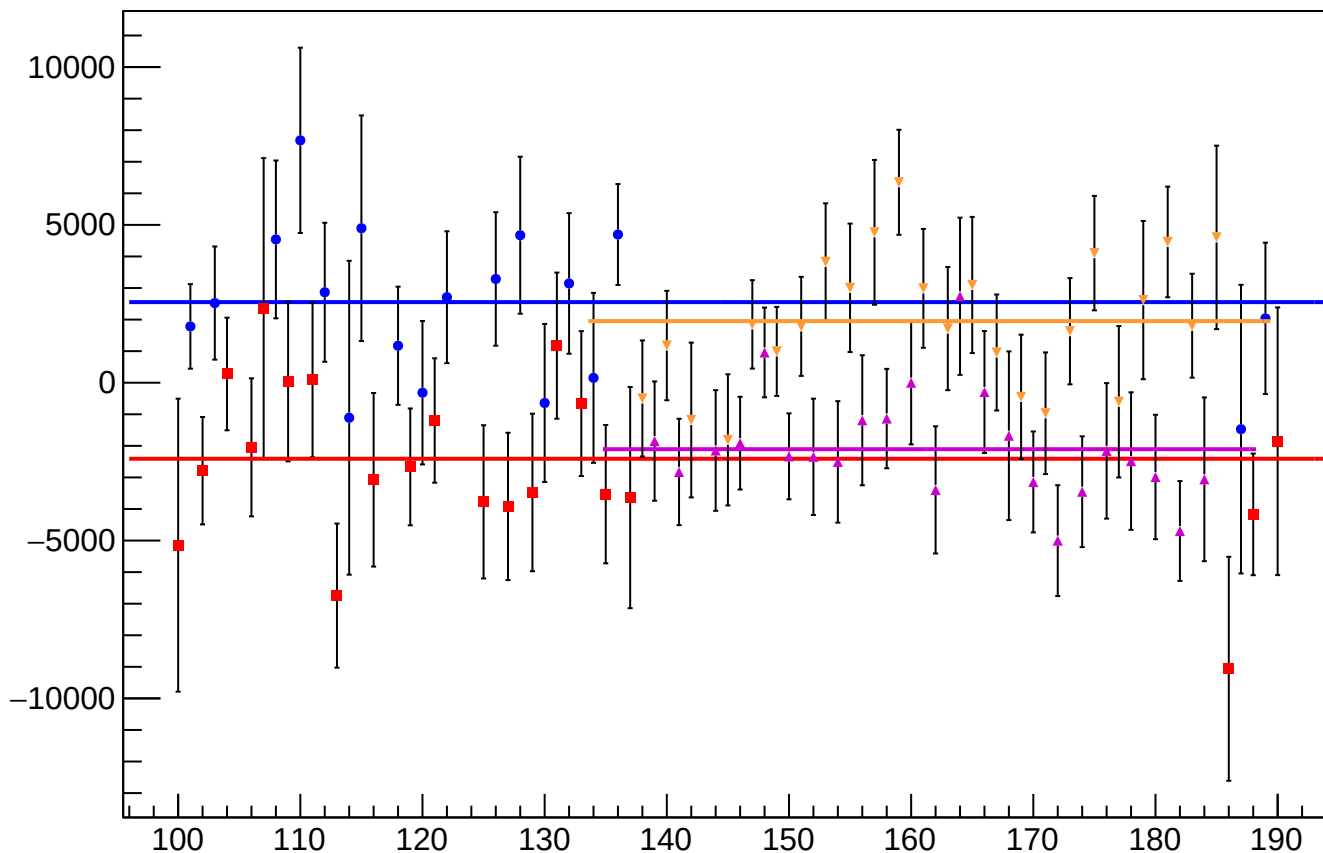
Left In: 1384.336 $\pm$ 0.233 χ^2/NDF : 1269937.1/22

+ sign 1327.601 $\pm$ 0.187 χ^2/NDF : 2060574.0/41

All: 1339.855 $\pm$ 0.132 χ^2/NDF : 4168229.7/85

- sign 1352.097 $\pm$ 0.187 χ^2/NDF : 2099076.1/43

asym_us_avg_mean vs Slug



Right In: 2553.762 $\pm$ 521.553 χ^2 /NDF: 13.1/17

Left Out: 1952.406 $\pm$ 380.269 χ^2 /NDF: 27.4/23

Right Out: -2408.792 $\pm$ 517.022 χ^2 /NDF: 18.4/20

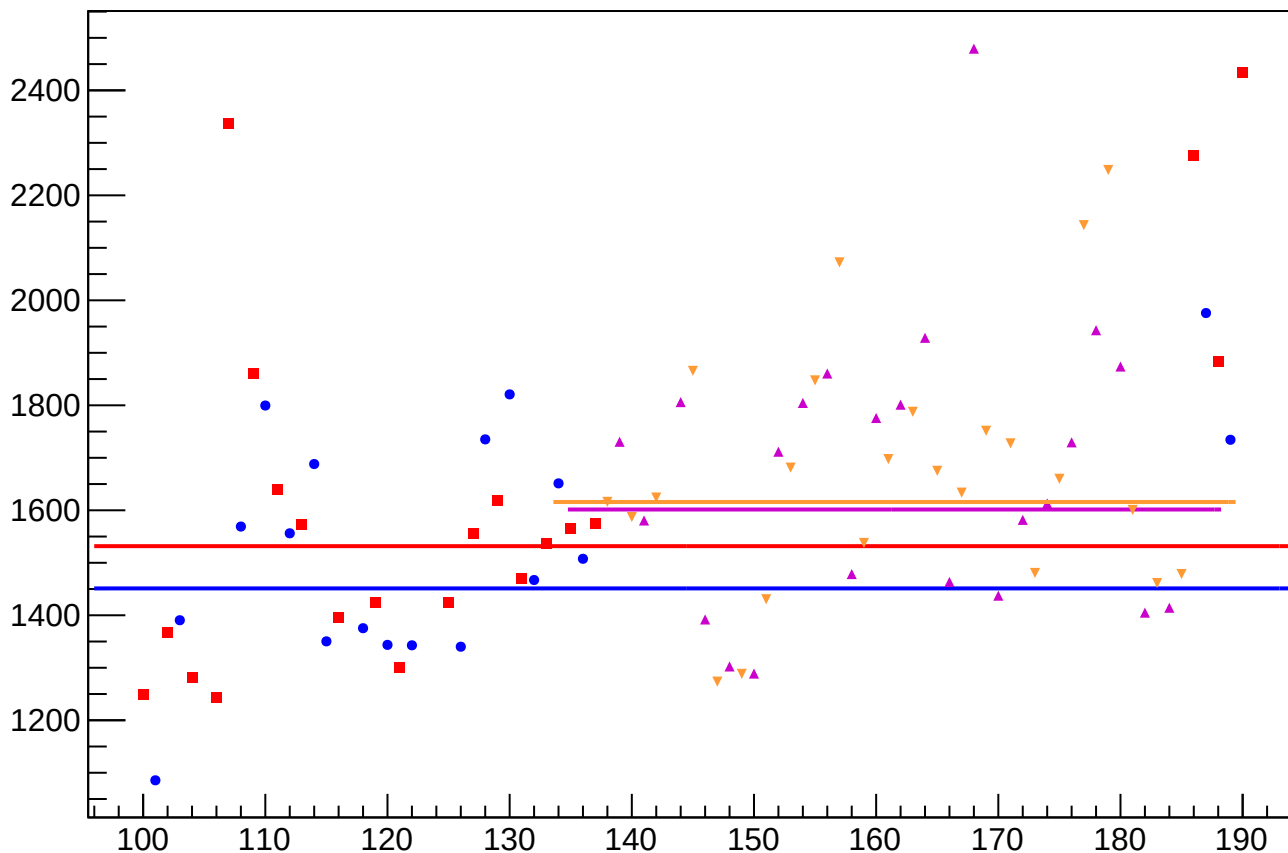
Left In: -2105.415 $\pm$ 379.051 χ^2 /NDF: 18.6/22

+ sign 2161.129 $\pm$ 307.269 χ^2 /NDF: 41.3/41

All: -36.389 $\pm$ 216.714 χ^2 /NDF: 180.3/85

- sign -2211.473 $\pm$ 305.696 χ^2 /NDF: 37.2/43

asym_us_avg_rms vs Slug



Right In: 1451.177 $\pm$ 0.369 χ^2 /NDF: 350817.9/17

Left Out: 1615.853 $\pm$ 0.269 χ^2 /NDF: 694353.3/23

Right Out: 1531.689 $\pm$ 0.366 χ^2 /NDF: 487850.2/20

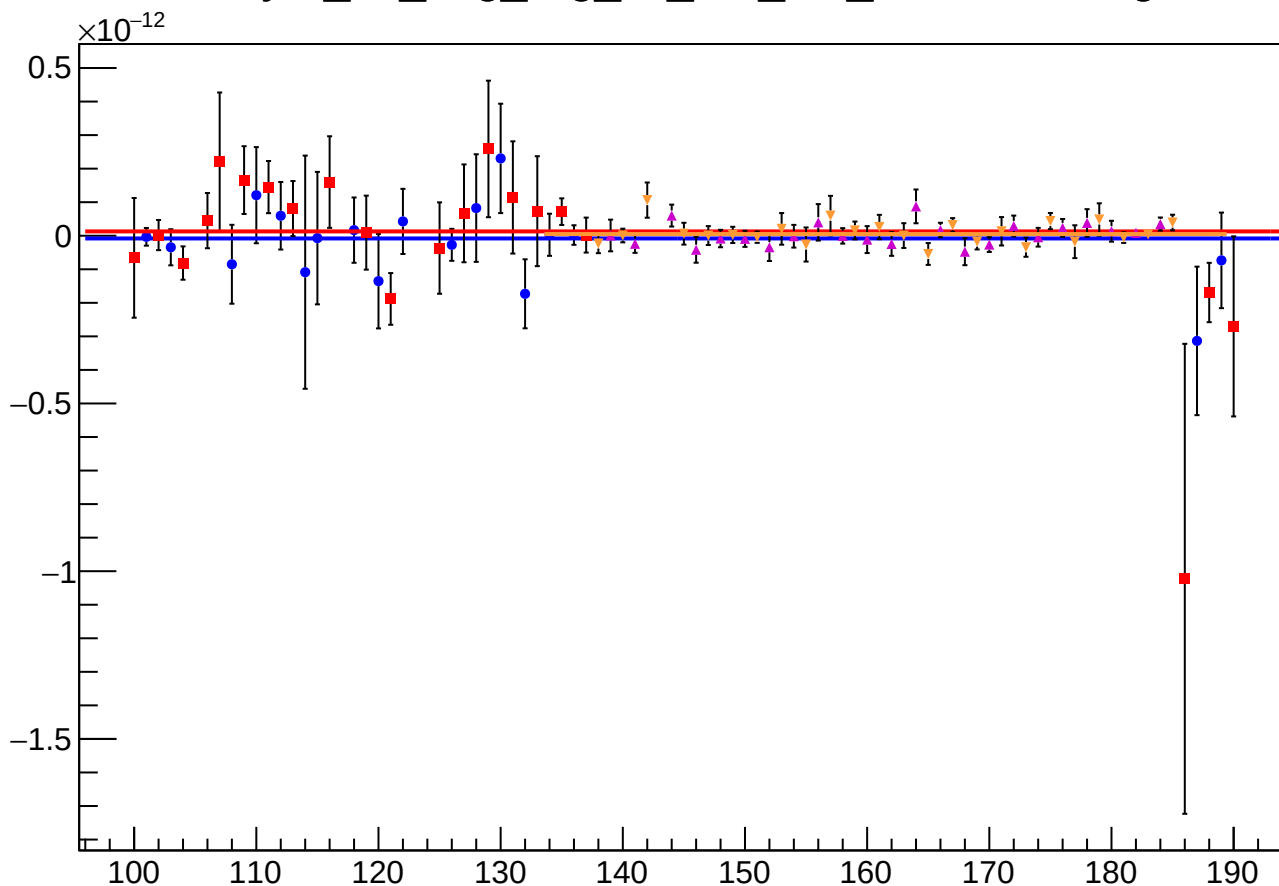
Left In: 1601.496 $\pm$ 0.268 χ^2 /NDF: 793722.6/22

+ sign 1558.696 $\pm$ 0.217 χ^2 /NDF: 1175353.5/41

All: 1567.941 $\pm$ 0.153 χ^2 /NDF: 2484242.6/85

- sign 1577.092 $\pm$ 0.216 χ^2 /NDF: 1305286.4/43

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 10.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.0/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 30.9/20

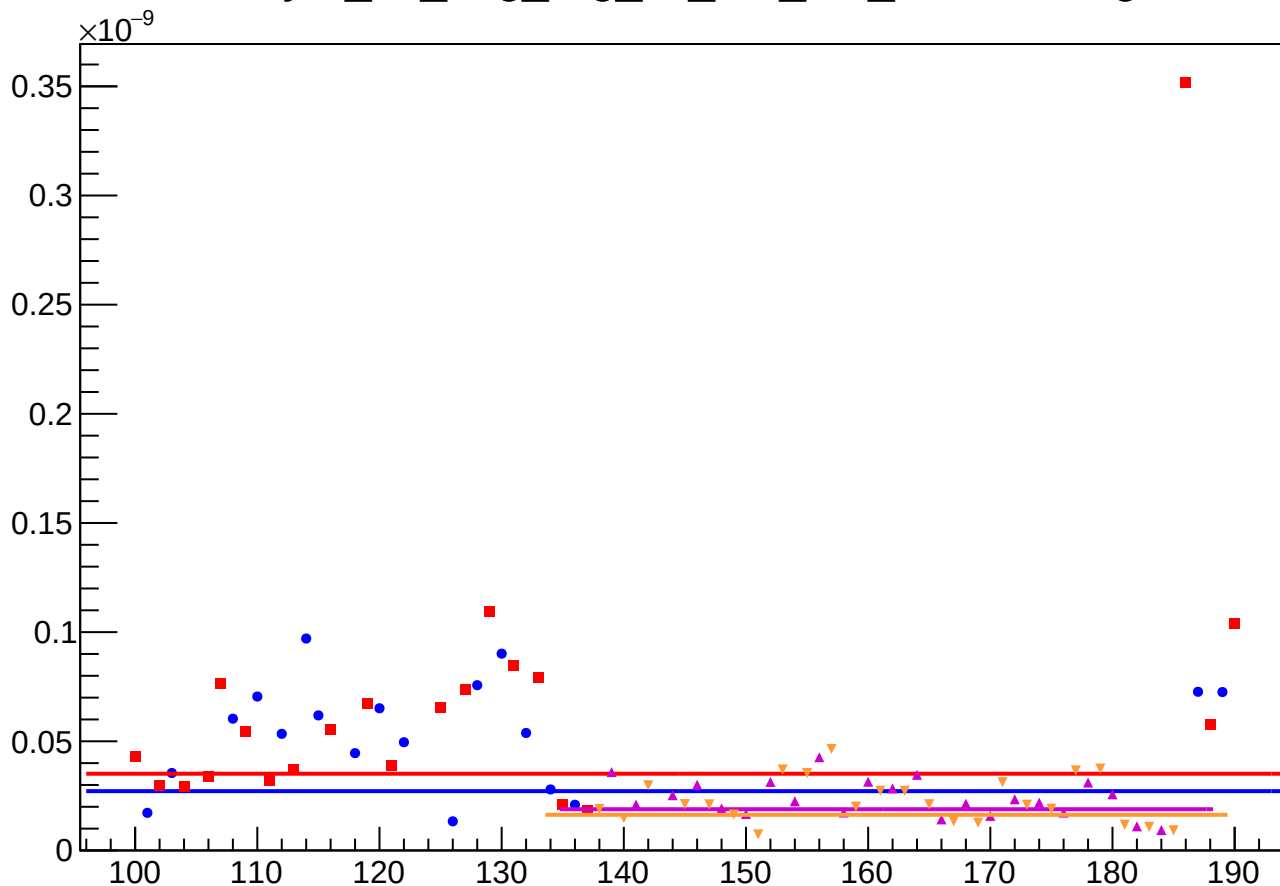
Left In: 0.000 ± 0.000 χ^2/NDF : 19.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 32.3/41

All: 0.000 ± 0.000 χ^2/NDF : 82.9/85

- sign 0.000 ± 0.000 χ^2/NDF : 50.4/43

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2430673.4/17

Left Out: 0.000+/-0.000 χ^2/NDF : 4263140.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 2397648.3/20

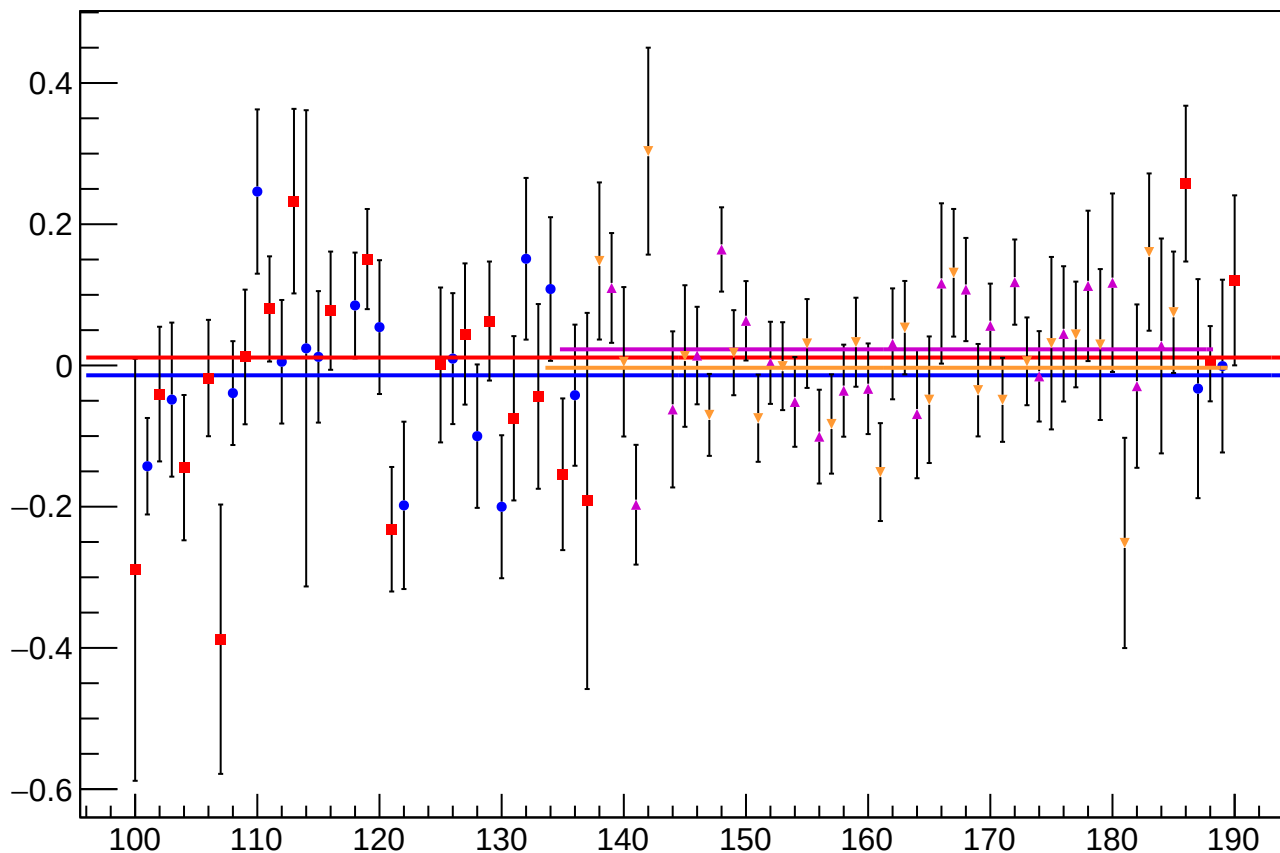
Left In: 0.000+/-0.000 χ^2/NDF : 3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 7615551.0/41

All: 0.000+/-0.000 χ^2/NDF : 15091248.8/85

- sign 0.000+/-0.000 χ^2/NDF : 7167867.6/43

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014 ± 0.023 χ^2/NDF : 21.4/17

Left Out: -0.003 ± 0.015 χ^2/NDF : 25.9/23

Right Out: 0.011 ± 0.021 χ^2/NDF : 33.9/20

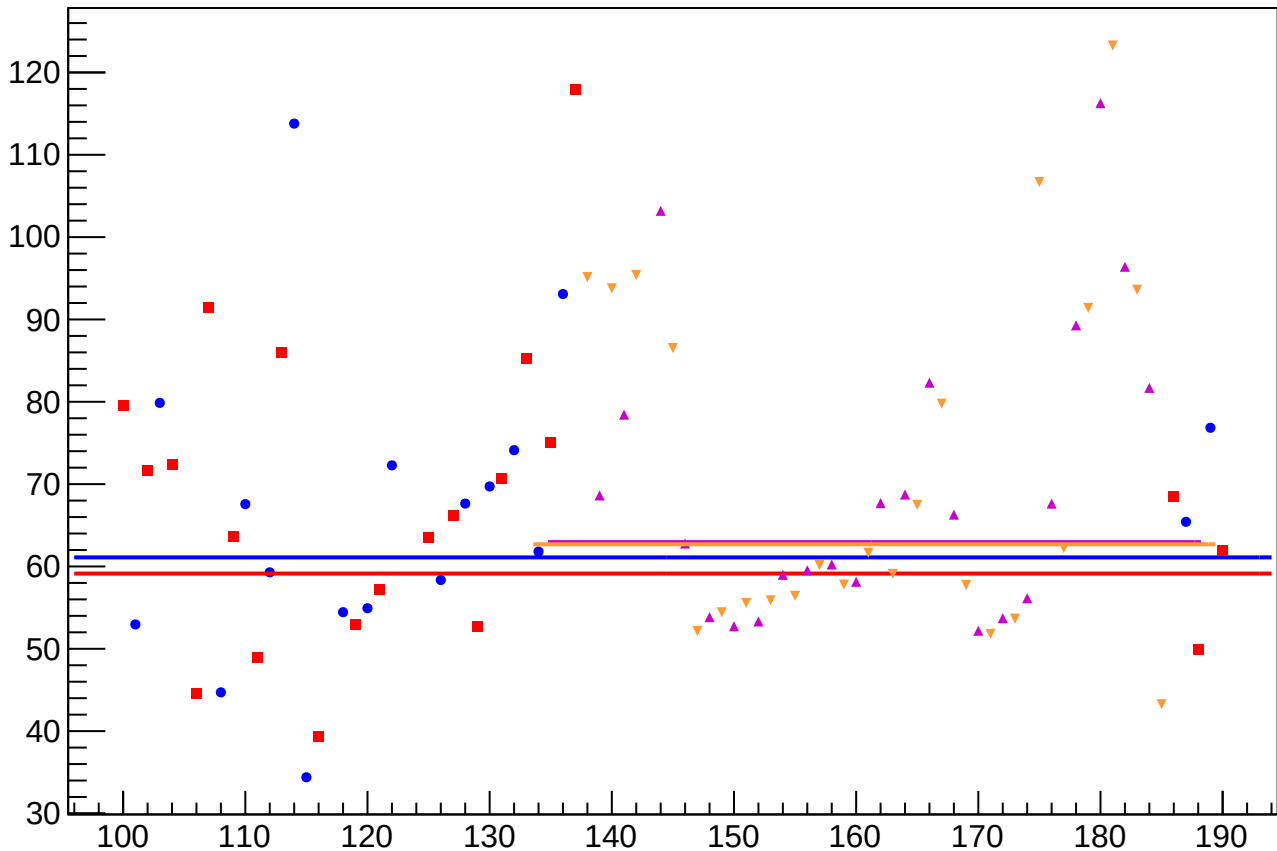
Left In: 0.023 ± 0.015 χ^2/NDF : 29.0/22

+ sign -0.007 ± 0.013 χ^2/NDF : 47.4/41

All: 0.006 ± 0.009 χ^2/NDF : 112.5/85

- sign 0.019 ± 0.012 χ^2/NDF : 63.1/43

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.101 $\pm$ 0.016 χ^2 /NDF: 739559.8/17

Left Out: 62.694 $\pm$ 0.011 χ^2 /NDF:1939401.0/23

Right Out: 59.138 $\pm$ 0.015 χ^2 /NDF: 792714.0/20

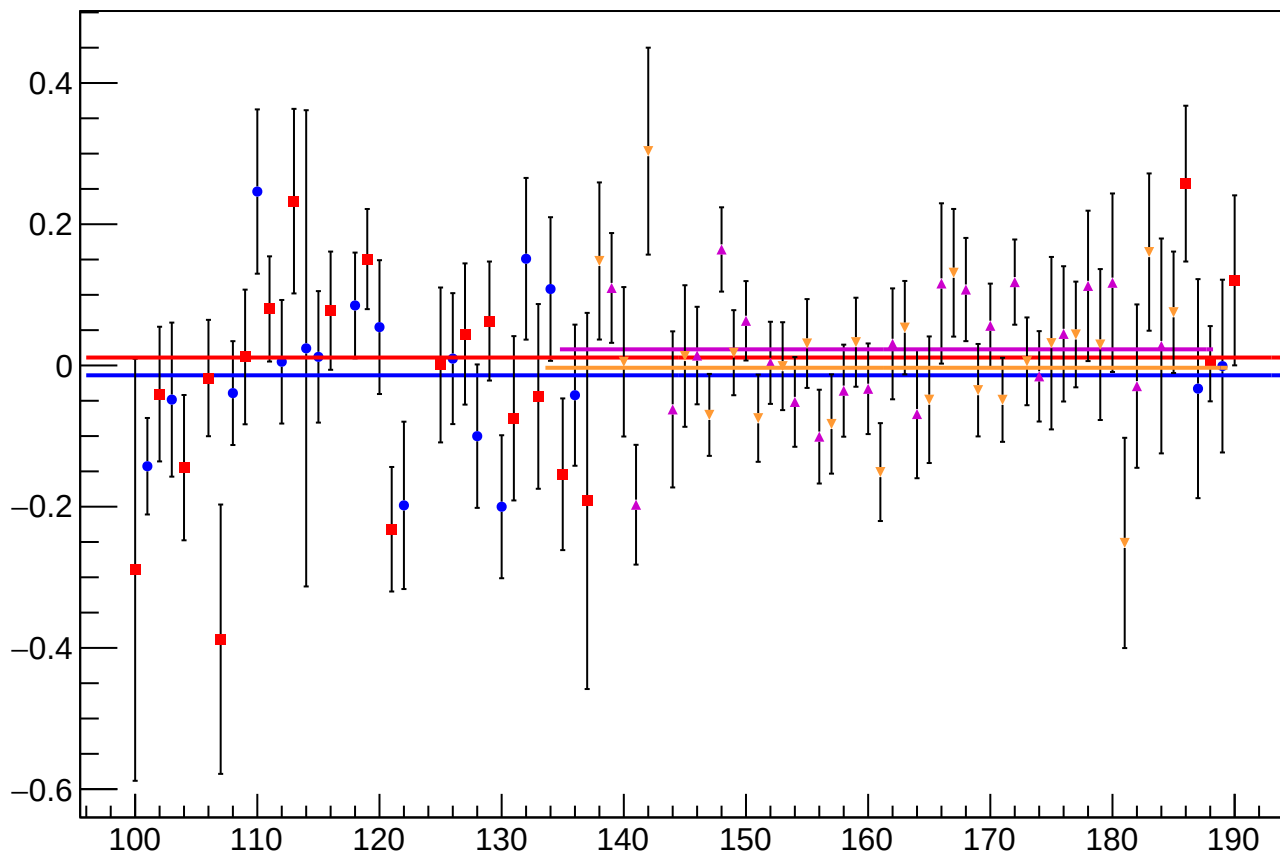
Left In: 62.956 $\pm$ 0.011 χ^2 /NDF:1430426.1/22

+ sign 62.201 $\pm$ 0.009 χ^2 /NDF: 2685502.2/41

All: 61.896 $\pm$ 0.006 χ^2 /NDF: 4953659.4/85

- sign 61.609 $\pm$ 0.009 χ^2 /NDF: 2265973.3/43

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014 ± 0.023 χ^2/NDF : 21.4/17

Left Out: -0.003 ± 0.015 χ^2/NDF : 25.9/23

Right Out: 0.011 ± 0.021 χ^2/NDF : 33.9/20

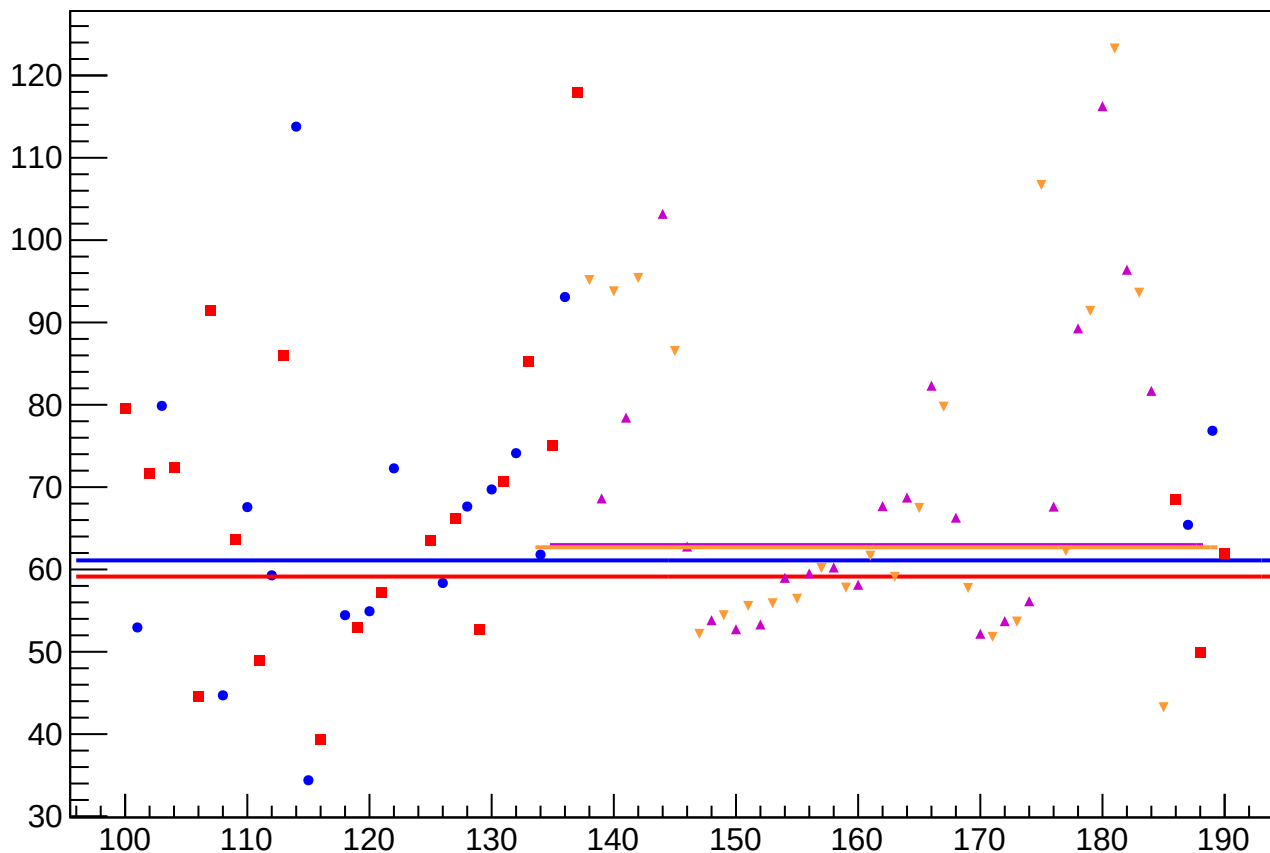
Left In: 0.023 ± 0.015 χ^2/NDF : 29.0/22

+ sign -0.007 ± 0.013 χ^2/NDF : 47.4/41

All: 0.006 ± 0.009 χ^2/NDF : 112.5/85

- sign 0.019 ± 0.012 χ^2/NDF : 63.1/43

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.101 $\pm$ 0.016 χ^2 /NDF: 739559.8/17

Left Out: 62.694 $\pm$ 0.011 χ^2 /NDF:1939401.0/23

Right Out: 59.138 $\pm$ 0.015 χ^2 /NDF: 792714.0/20

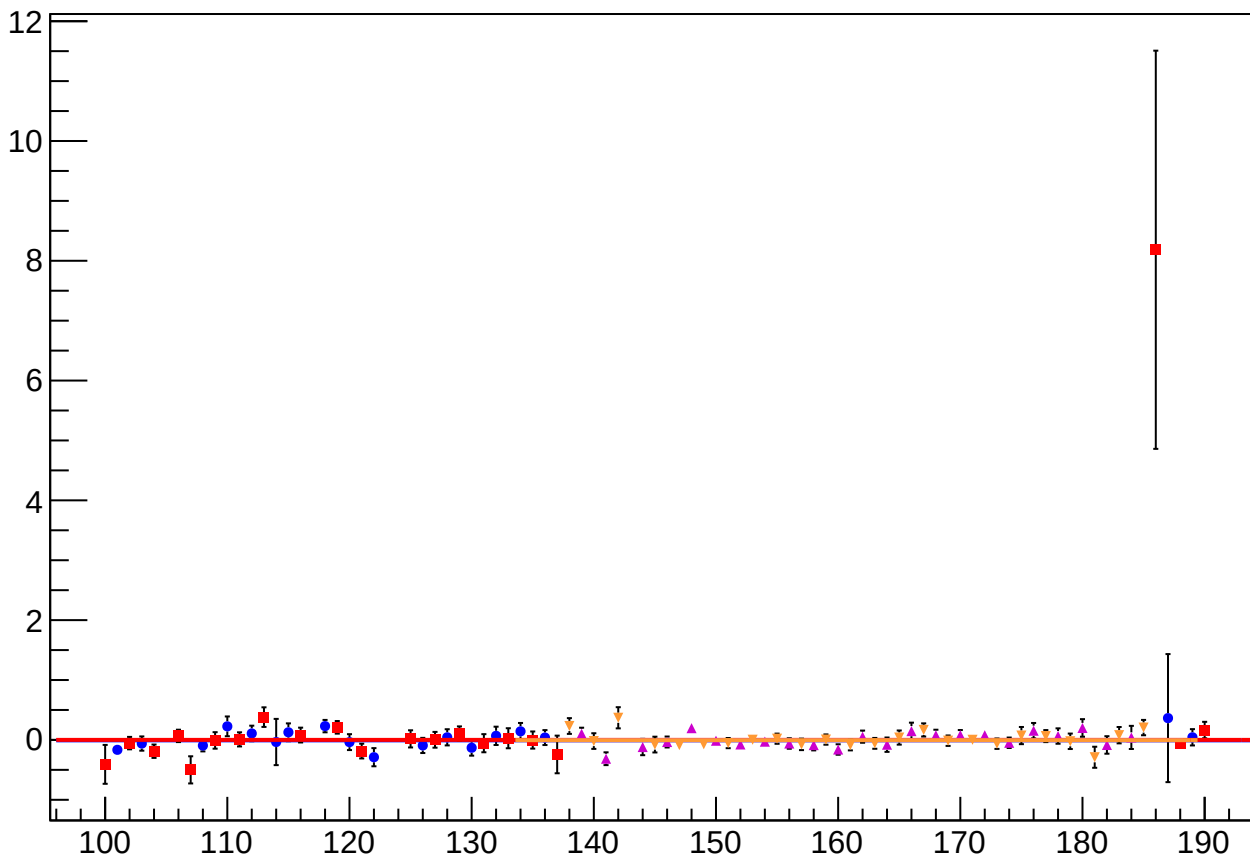
Left In: 62.956 $\pm$ 0.011 χ^2 /NDF:1430426.1/22

+ sign 62.201 $\pm$ 0.009 χ^2 /NDF: 2685502.2/41

All: 61.896 $\pm$ 0.006 χ^2 /NDF: 4953659.4/85

- sign 61.609 $\pm$ 0.009 χ^2 /NDF: 2265973.3/43

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007 ± 0.031 χ^2/NDF : 20.4/17

Left Out: -0.004 ± 0.021 χ^2/NDF : 21.4/23

Right Out: 0.000 ± 0.029 χ^2/NDF : 32.0/20

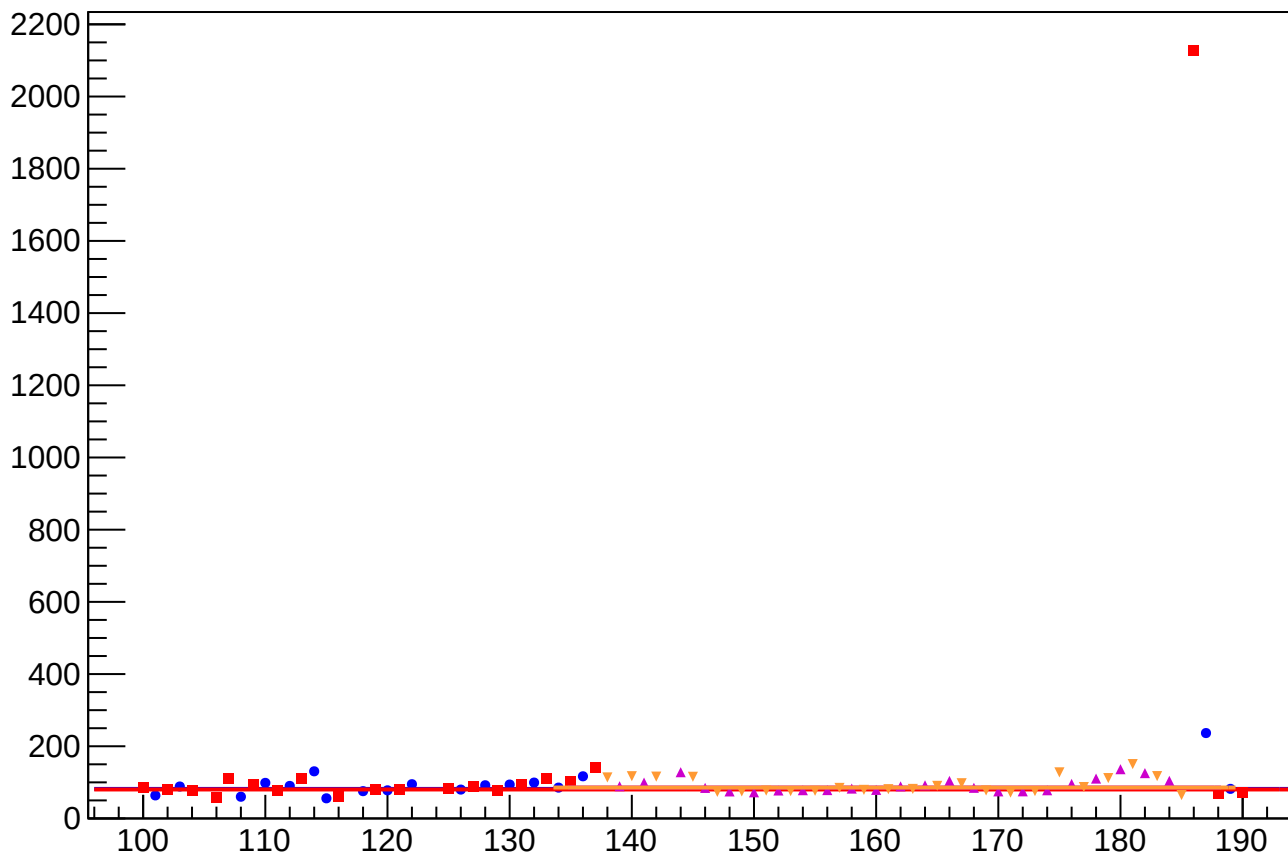
Left In: -0.002 ± 0.021 χ^2/NDF : 30.5/22

+ sign -0.005 ± 0.017 χ^2/NDF : 41.8/41

All: -0.003 ± 0.012 χ^2/NDF : 104.3/85

- sign -0.001 ± 0.017 χ^2/NDF : 62.5/43

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.808 $\pm$ 0.022 χ^2 /NDF: 603815.4/17

Left Out: 85.650 $\pm$ 0.015 χ^2 /NDF: 1352748.5/23

Right Out: 80.308 $\pm$ 0.020 χ^2 /NDF: 1301166.8/20

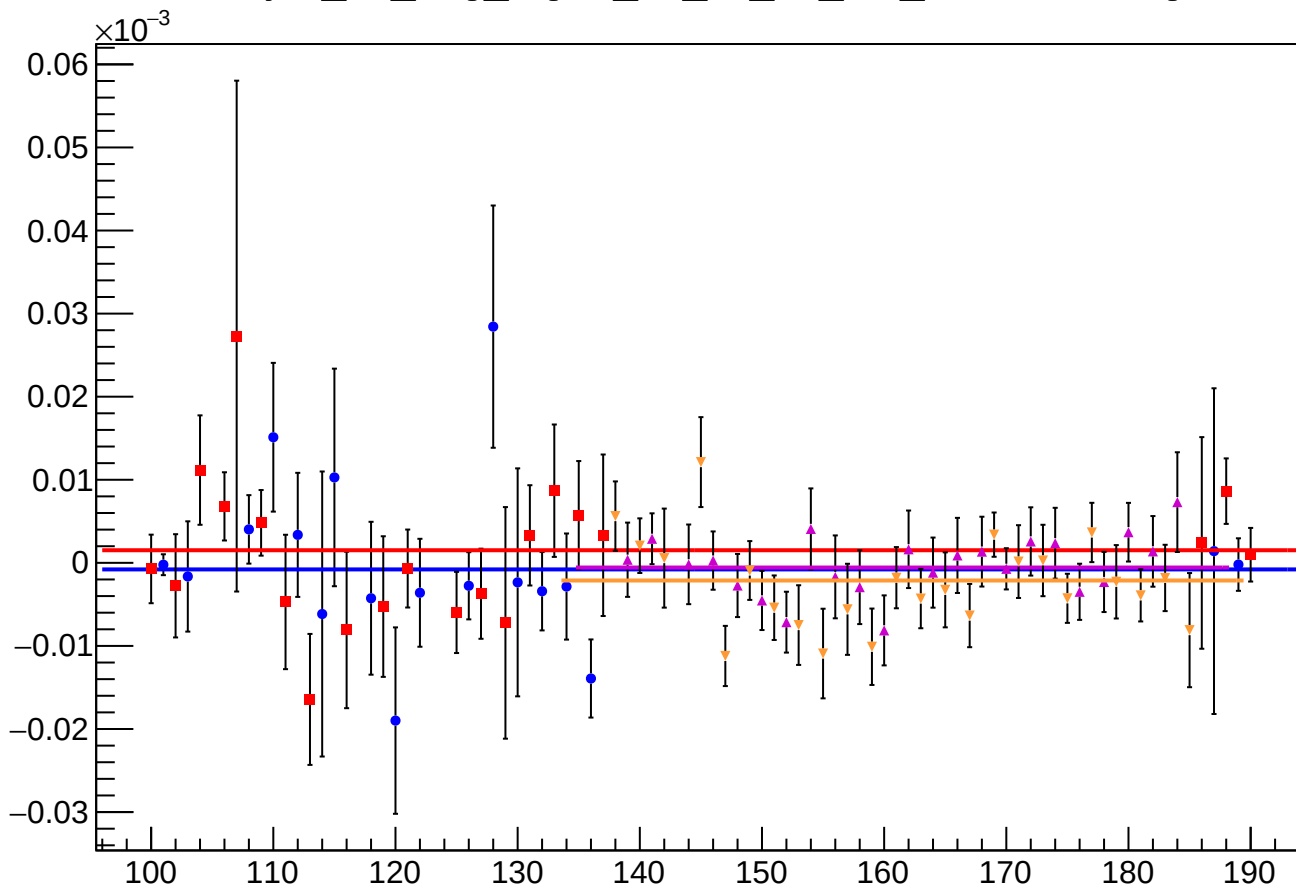
Left In: 85.679 $\pm$ 0.015 χ^2 /NDF: 995870.4/22

+ sign 84.455 $\pm$ 0.012 χ^2 /NDF: 1978042.5/41

All: 84.137 $\pm$ 0.008 χ^2 /NDF: 4322785.9/85

- sign 83.833 $\pm$ 0.012 χ^2 /NDF: 2343399.9/43

asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 37.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.0/20

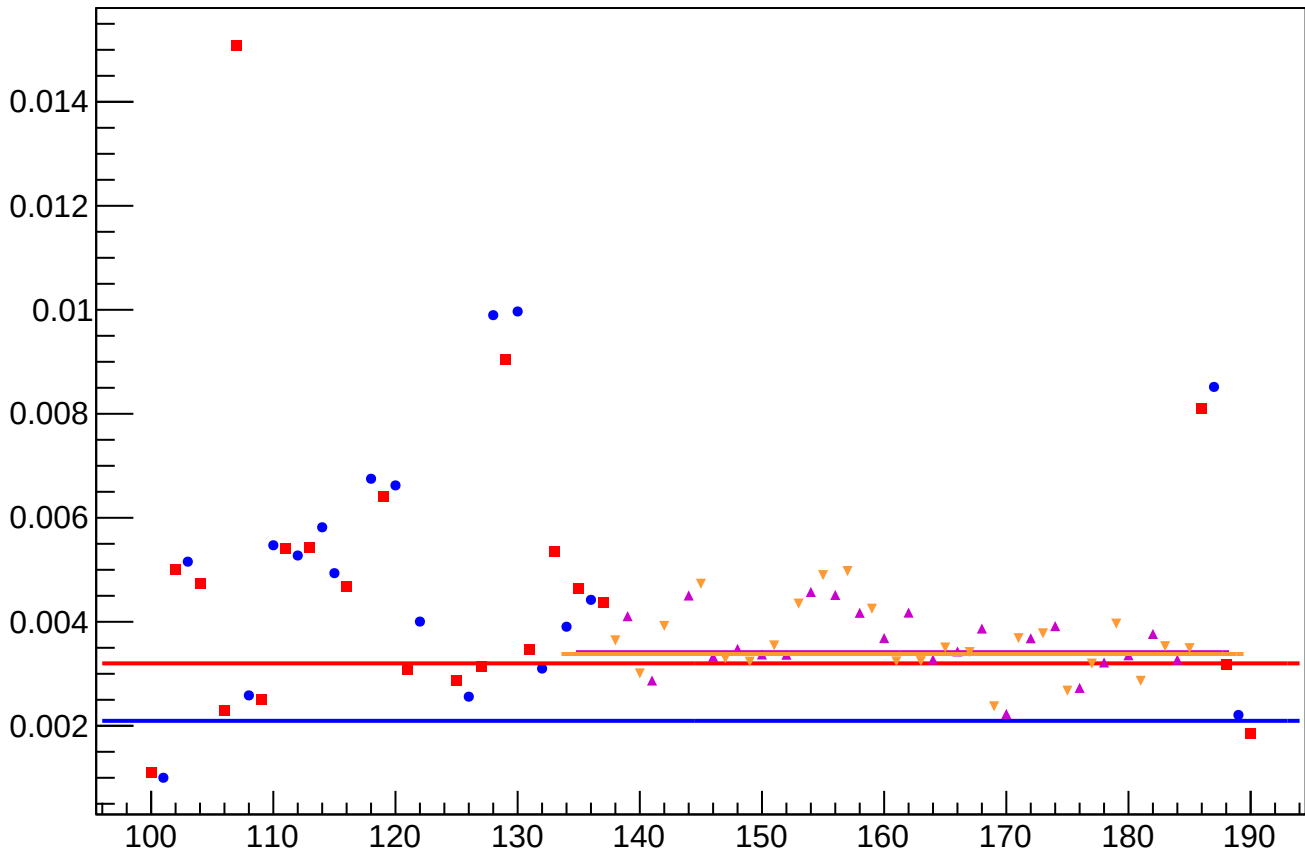
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 59.9/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 103.7/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/43

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 6032120.8/17

Left Out: 0.003+/-0.000 χ^2/NDF :1195636.0/23

Right Out: 0.003+/-0.000 χ^2/NDF : 3177615.0/20

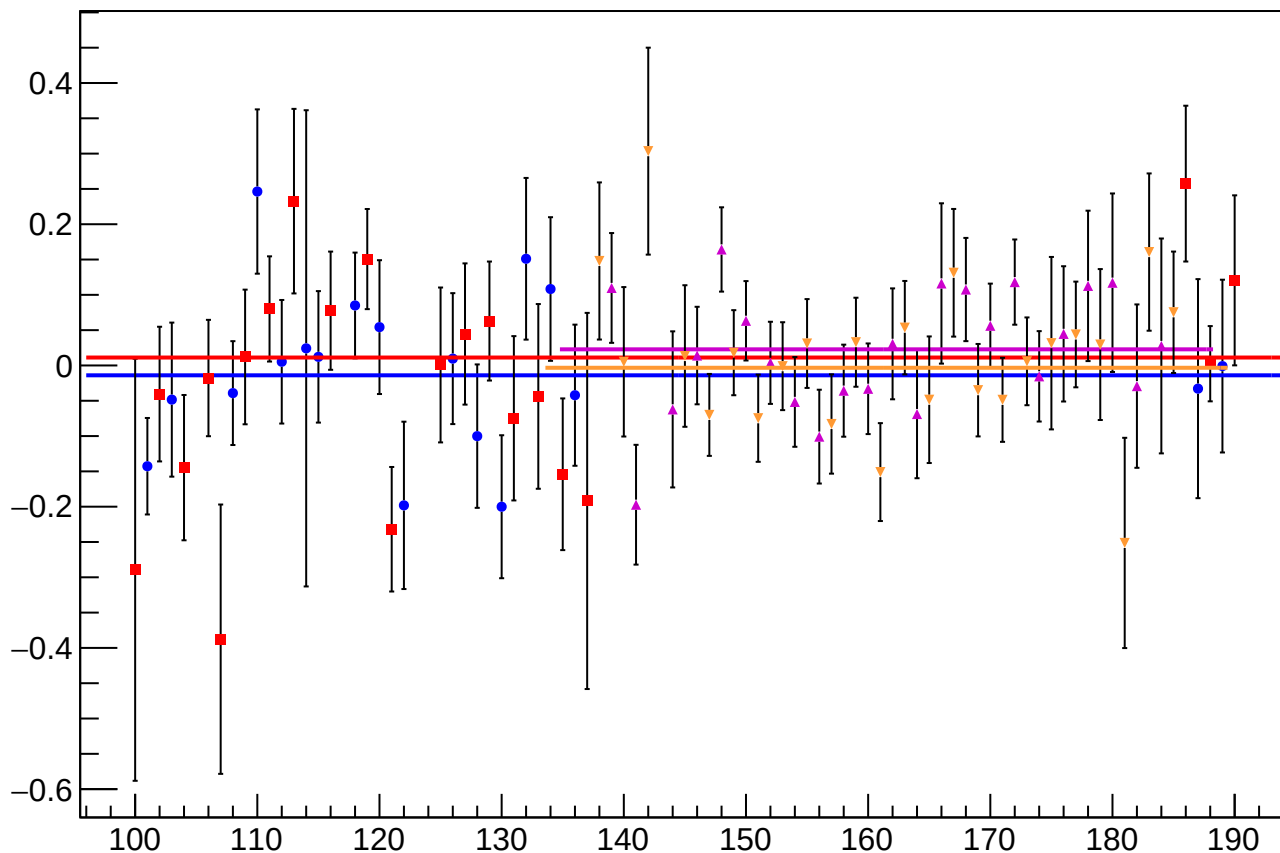
Left In: 0.003+/-0.000 χ^2/NDF :1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF : 9331871.1/41

All: 0.003+/-0.000 χ^2/NDF : 14318820.7/85

- sign 0.003+/-0.000 χ^2/NDF : 4390440.1/43

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.014 ± 0.023 χ^2/NDF : 21.4/17

Left Out: -0.003 ± 0.015 χ^2/NDF : 25.9/23

Right Out: 0.011 ± 0.021 χ^2/NDF : 33.9/20

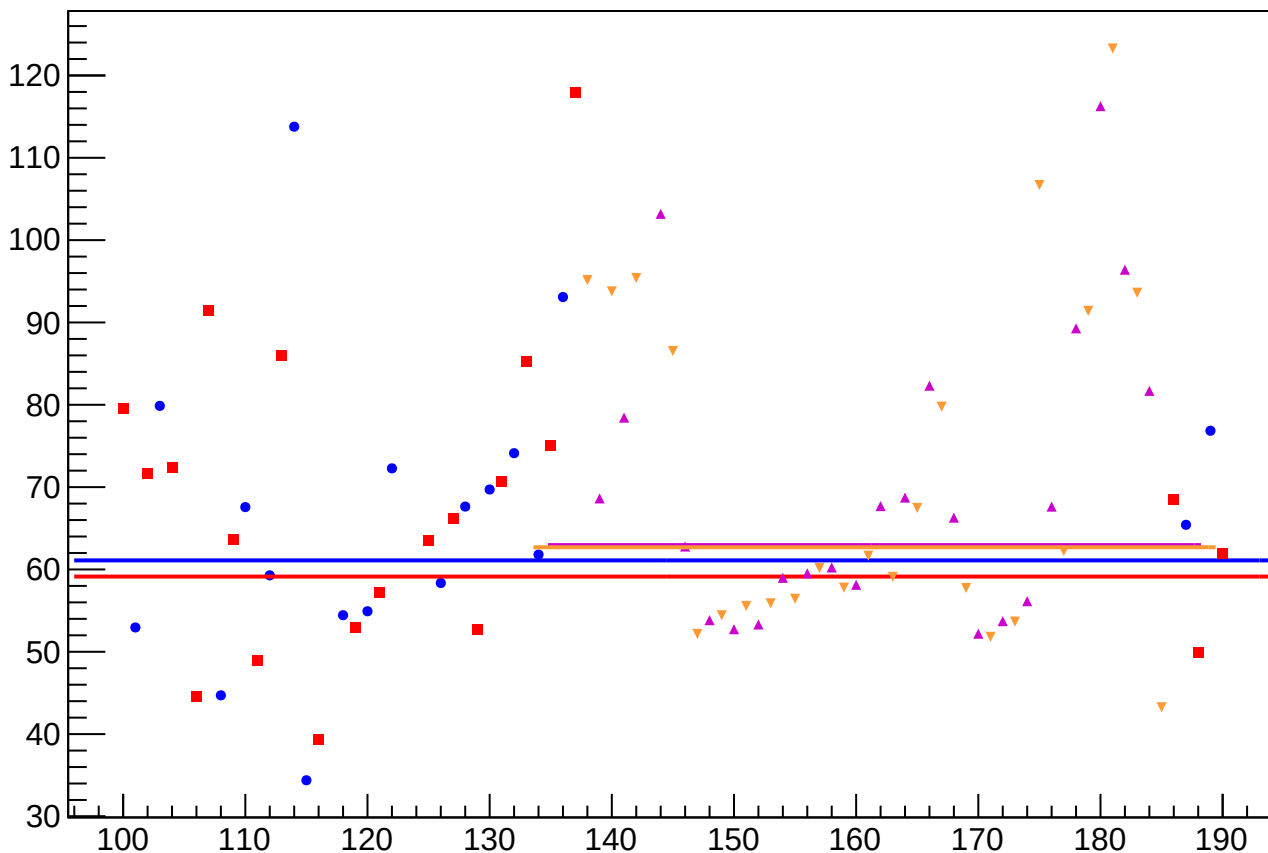
Left In: 0.023 ± 0.015 χ^2/NDF : 29.0/22

+ sign -0.007 ± 0.013 χ^2/NDF : 47.4/41

All: 0.006 ± 0.009 χ^2/NDF : 112.5/85

- sign 0.019 ± 0.012 χ^2/NDF : 63.1/43

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.099 ± 0.016 χ^2/NDF : 739584.7/17

Left Out: 62.694 ± 0.011 χ^2/NDF : 1939383.4/23

Right Out: 59.137 ± 0.015 χ^2/NDF : 792705.8/20

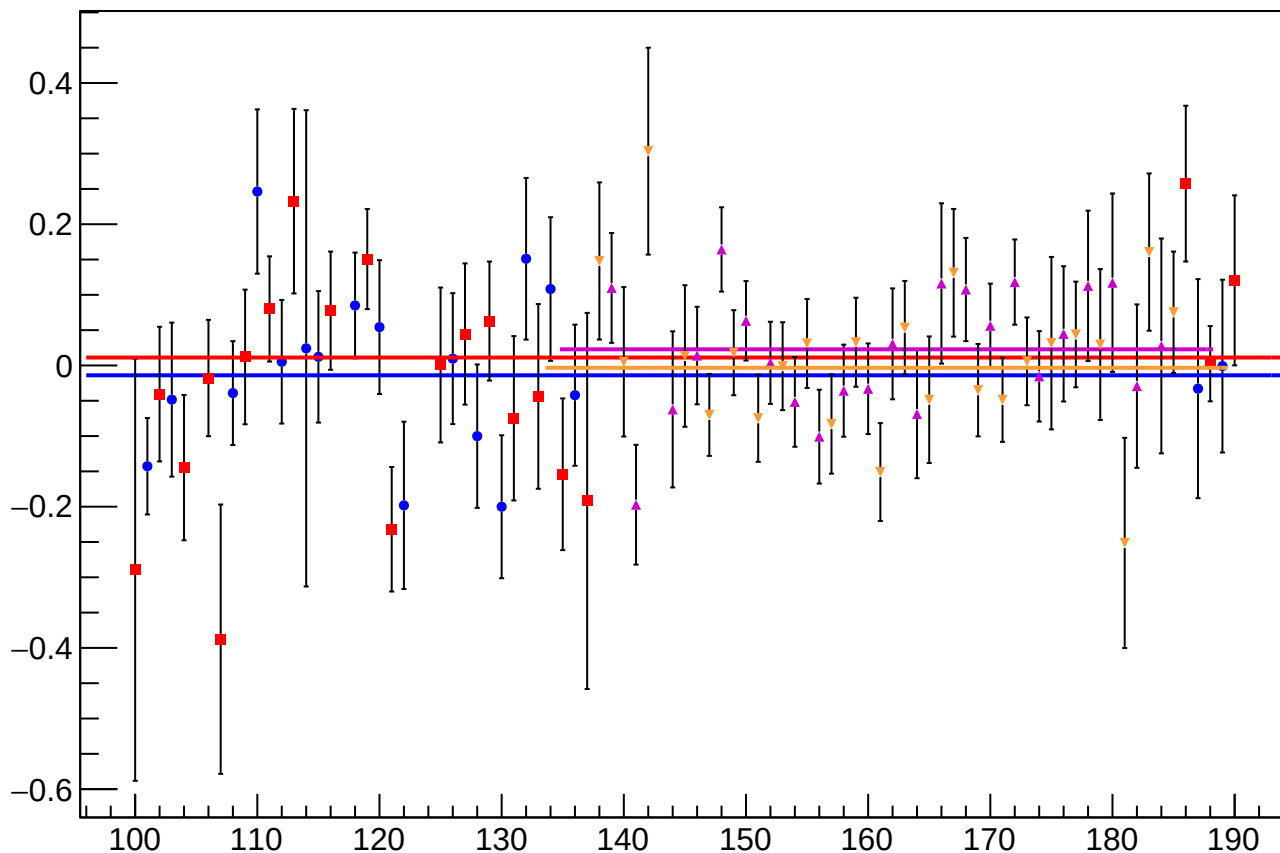
Left In: 62.956 ± 0.011 χ^2/NDF : 1430401.4/22

+ sign 62.201 ± 0.009 χ^2/NDF : 2685523.1/41

All: 61.895 ± 0.006 χ^2/NDF : 4953678.4/85

- sign 61.609 ± 0.009 χ^2/NDF : 2265970.8/43

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014 ± 0.023 χ^2/NDF : 21.4/17

Left Out: -0.003 ± 0.015 χ^2/NDF : 25.9/23

Right Out: 0.011 ± 0.021 χ^2/NDF : 33.9/20

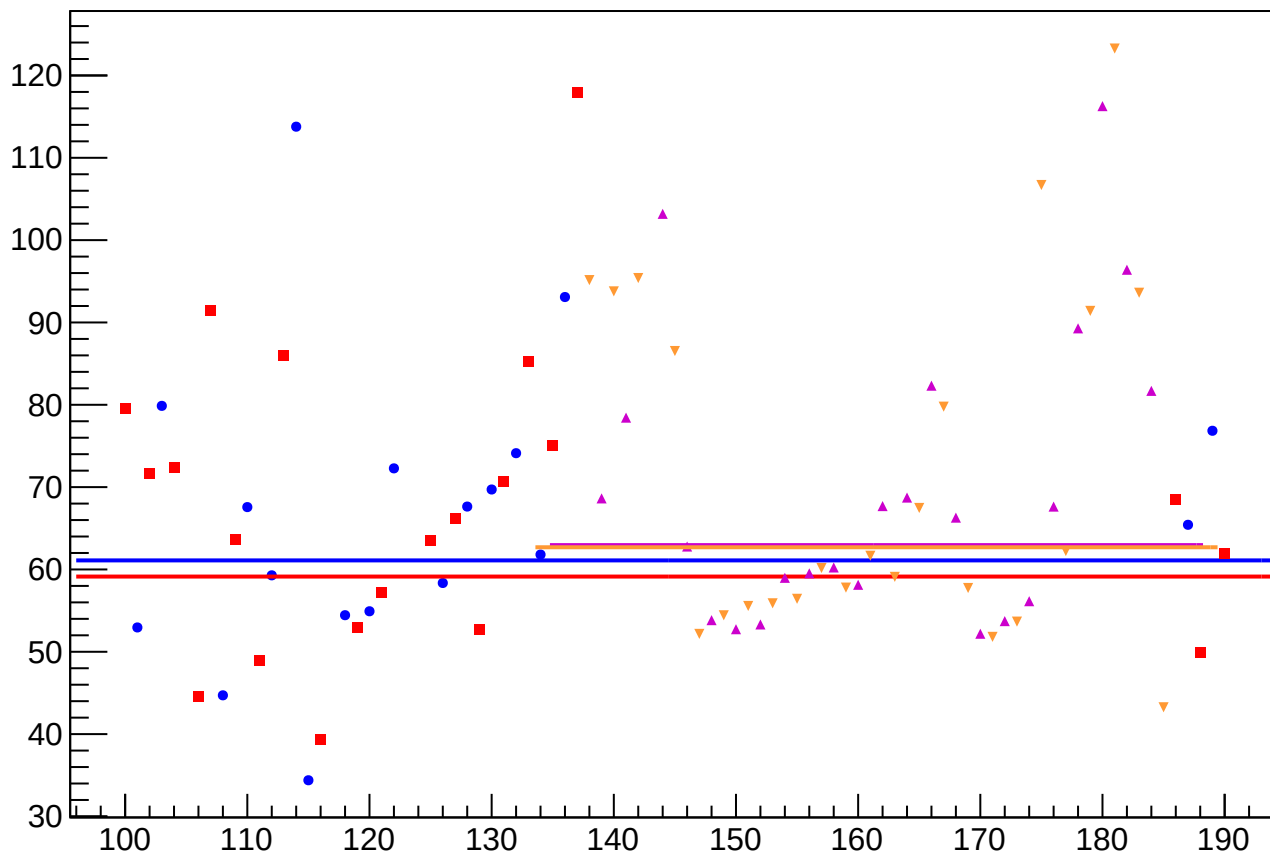
Left In: 0.023 ± 0.015 χ^2/NDF : 29.0/22

+ sign -0.007 ± 0.013 χ^2/NDF : 47.4/41

All: 0.006 ± 0.009 χ^2/NDF : 112.5/85

- sign 0.019 ± 0.012 χ^2/NDF : 63.1/43

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.099 $\pm$ 0.016 χ^2 /NDF: 739584.7/17

Left Out: 62.694 $\pm$ 0.011 χ^2 /NDF:1939383.4/23

Right Out: 59.137 $\pm$ 0.015 χ^2 /NDF: 792705.8/20

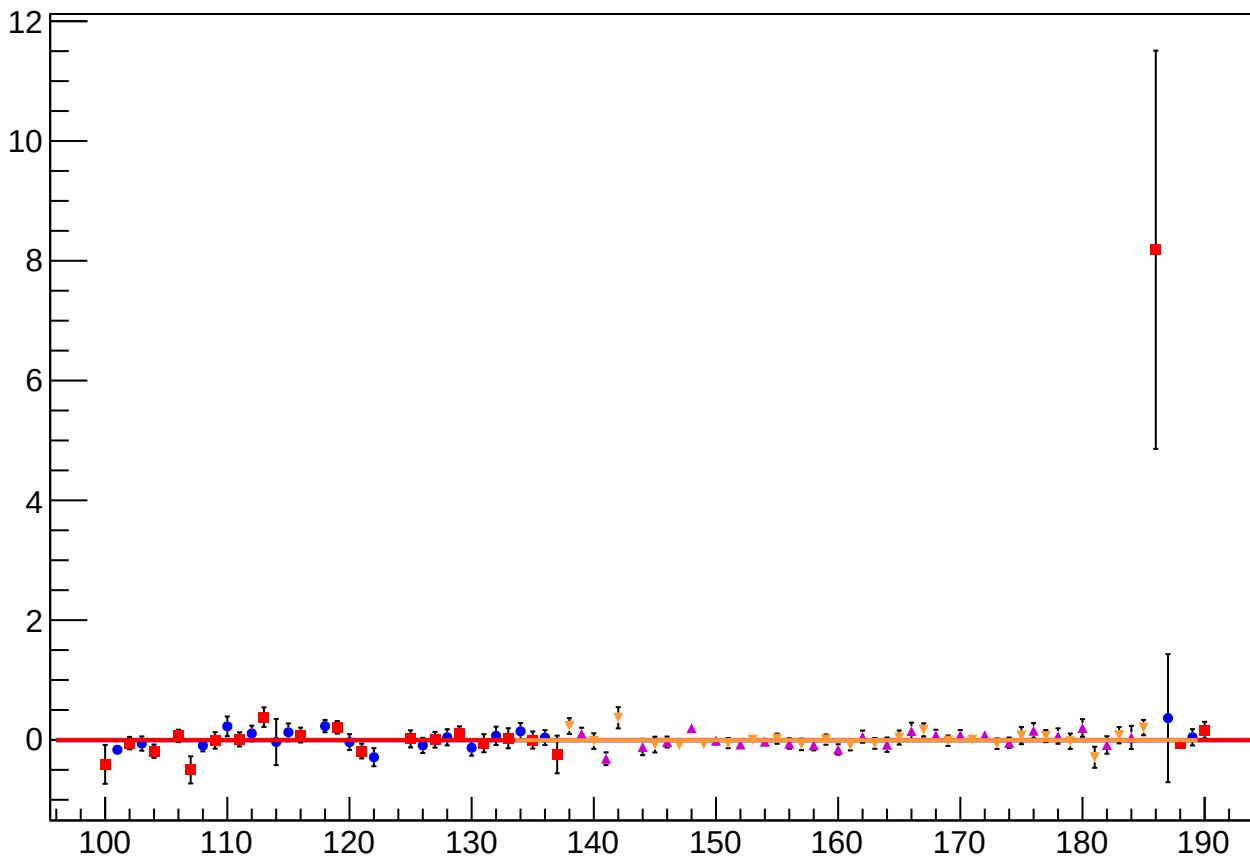
Left In: 62.956 $\pm$ 0.011 χ^2 /NDF:1430401.4/22

+ sign 62.201 $\pm$ 0.009 χ^2 /NDF: 2685523.1/41

All: 61.895 $\pm$ 0.006 χ^2 /NDF: 4953678.4/85

- sign 61.609 $\pm$ 0.009 χ^2 /NDF: 2265970.8/43

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007 ± 0.031 χ^2/NDF : 20.4/17

Left Out: -0.004 ± 0.021 χ^2/NDF : 21.4/23

Right Out: 0.000 ± 0.029 χ^2/NDF : 32.0/20

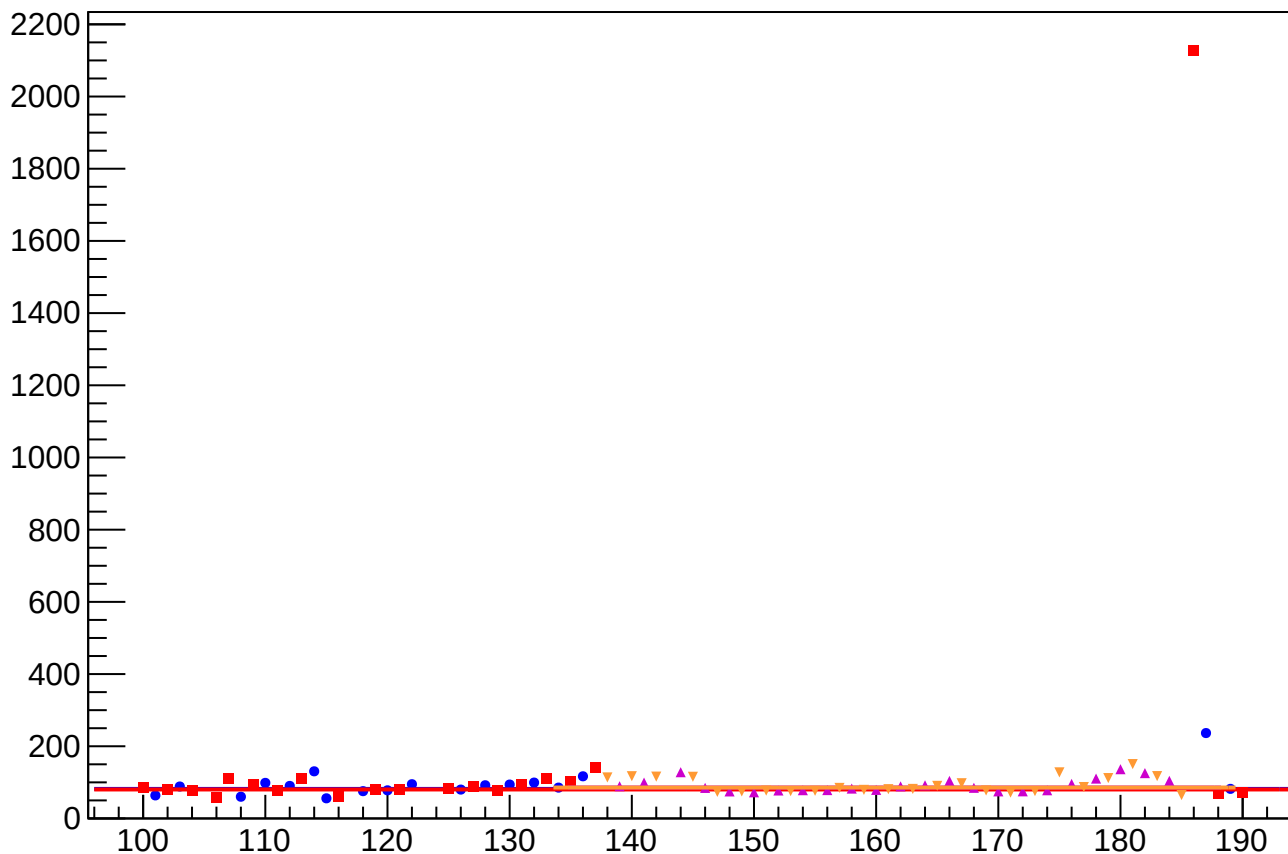
Left In: -0.002 ± 0.021 χ^2/NDF : 30.5/22

+ sign -0.005 ± 0.017 χ^2/NDF : 41.8/41

All: -0.003 ± 0.012 χ^2/NDF : 104.3/85

- sign -0.001 ± 0.017 χ^2/NDF : 62.5/43

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.807 $\pm$ 0.022 χ^2 /NDF: 603803.1/17

Left Out: 85.651 $\pm$ 0.015 χ^2 /NDF: 1352738.9/23

Right Out: 80.307 $\pm$ 0.020 χ^2 /NDF: 1301149.0/20

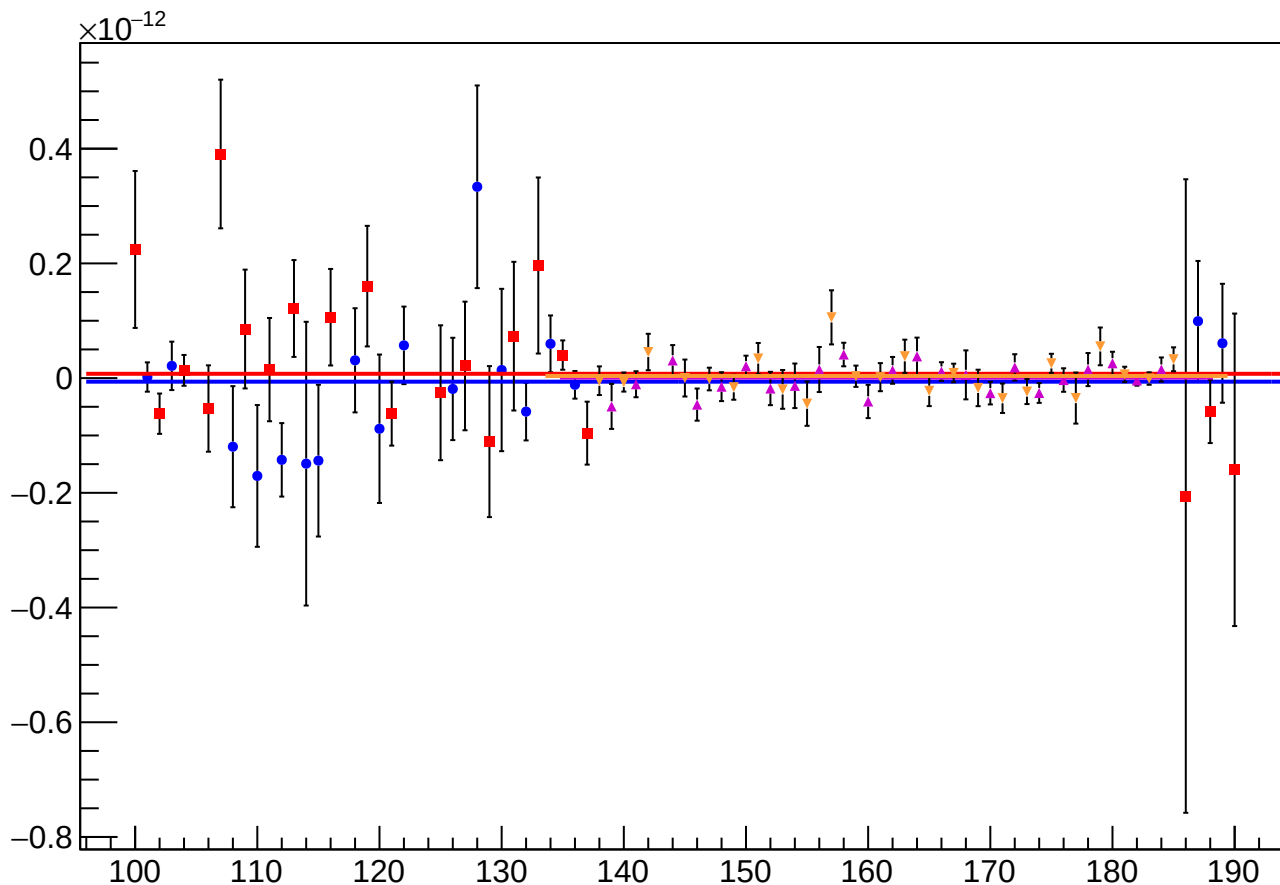
Left In: 85.679 $\pm$ 0.015 χ^2 /NDF: 995860.8/22

+ sign 84.455 $\pm$ 0.012 χ^2 /NDF: 1978033.1/41

All: 84.136 $\pm$ 0.008 χ^2 /NDF: 4322766.7/85

- sign 83.833 $\pm$ 0.012 χ^2 /NDF: 2343389.8/43

asym_us_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 18.9/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.0/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 33.1/20

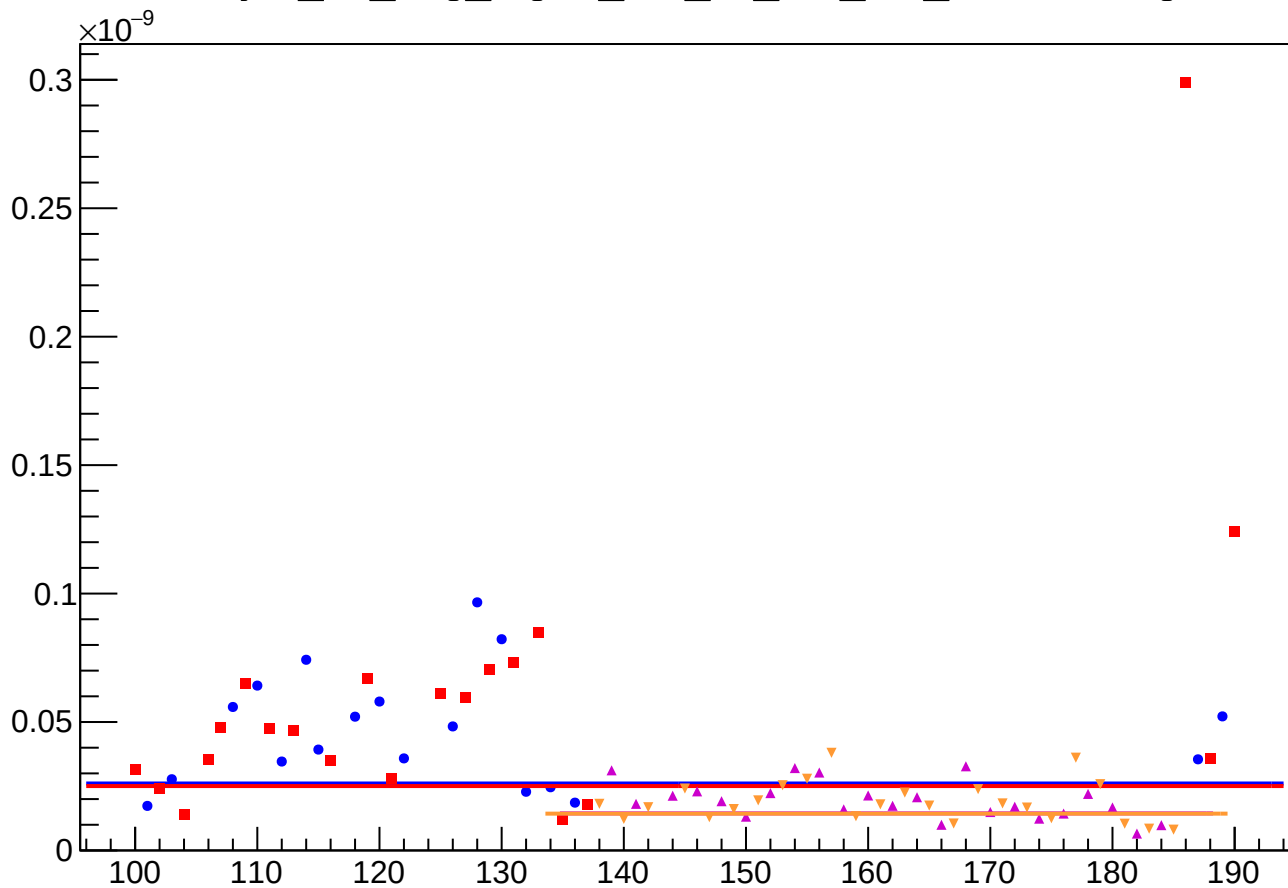
Left In: 0.000 ± 0.000 χ^2/NDF : 23.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 44.4/41

All: 0.000 ± 0.000 χ^2/NDF : 101.4/85

- sign 0.000 ± 0.000 χ^2/NDF : 57.0/43

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2146687.1/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 3611096.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 3926648.8/20

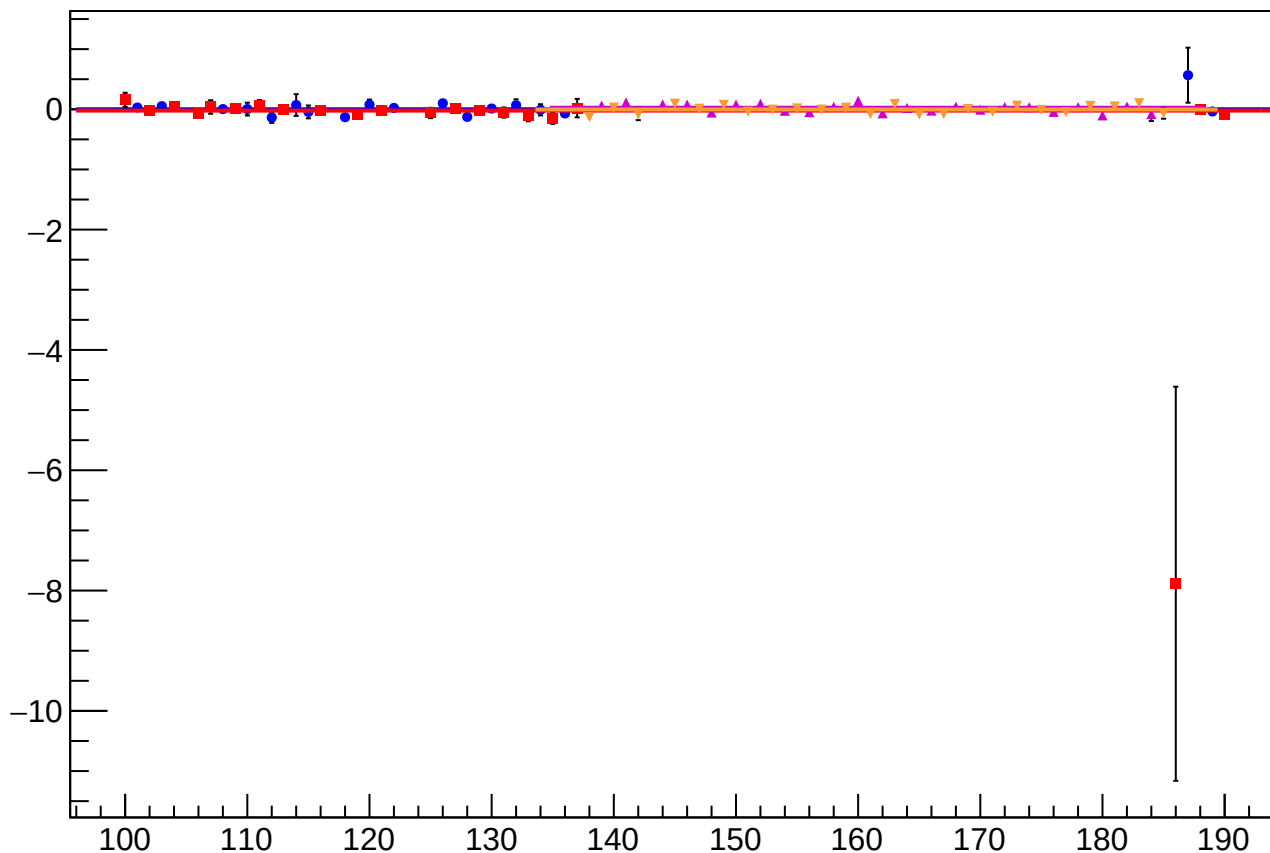
Left In: 0.000 ± 0.000 χ^2/NDF : 4256069.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 7214345.2/41

All: 0.000 ± 0.000 χ^2/NDF : 16597593.4/85

- sign 0.000 ± 0.000 χ^2/NDF : 9383242.6/43

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.015 χ^2/NDF : 18.0/17

Left Out: -0.003 ± 0.012 χ^2/NDF : 23.1/23

Right Out: -0.022 ± 0.014 χ^2/NDF : 20.3/20

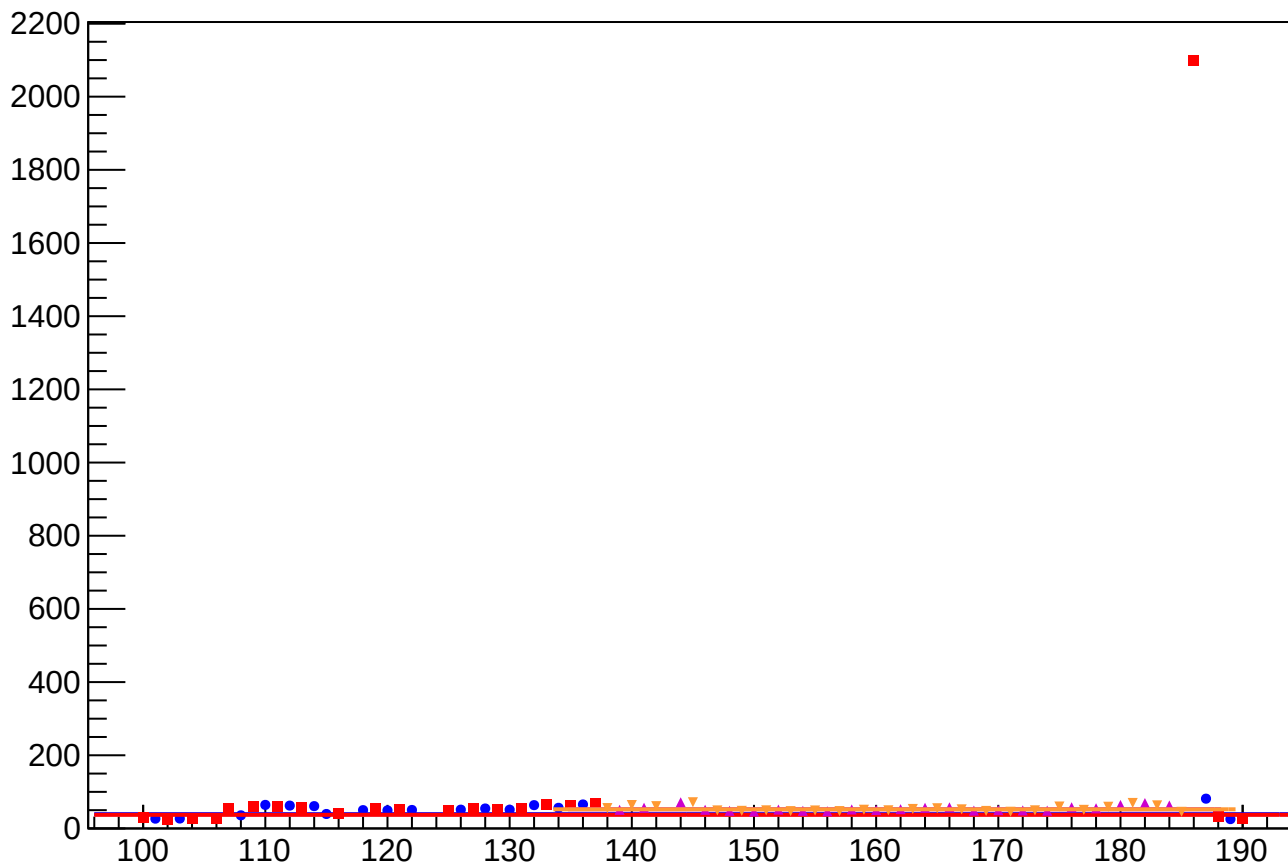
Left In: 0.025 ± 0.013 χ^2/NDF : 24.3/22

+ sign -0.002 ± 0.010 χ^2/NDF : 41.2/41

All: 0.001 ± 0.007 χ^2/NDF : 92.3/85

- sign 0.004 ± 0.009 χ^2/NDF : 50.9/43

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 39.047 $\pm$ 0.011 χ^2 /NDF: 1785085.6/17

Left Out: 52.367 $\pm$ 0.009 χ^2 /NDF: 522031.5/23

Right Out: 37.266 $\pm$ 0.010 χ^2 /NDF: 2773954.5/20

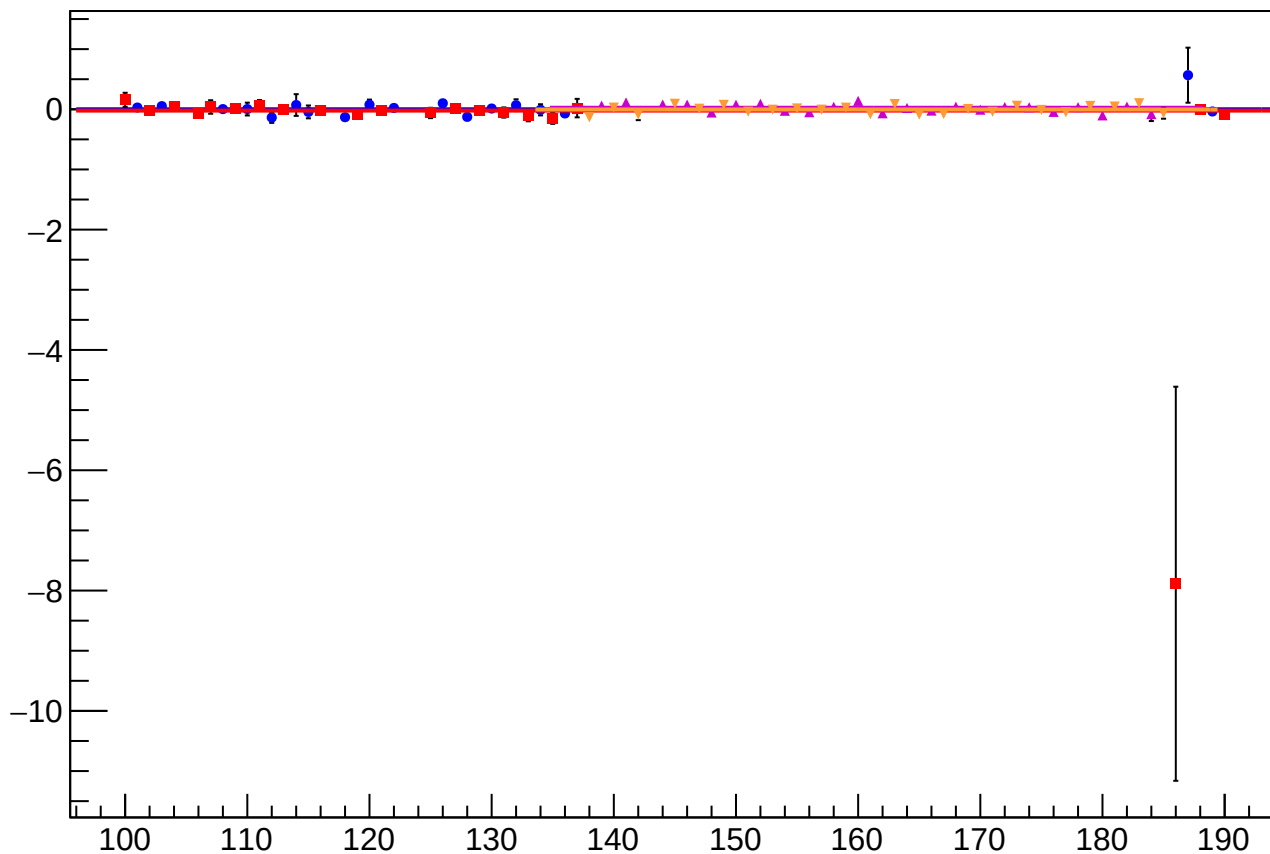
Left In: 52.484 $\pm$ 0.009 χ^2 /NDF: 445297.7/22

+ sign 47.065 $\pm$ 0.007 χ^2 /NDF: 3222464.3/41

All: 46.347 $\pm$ 0.005 χ^2 /NDF: 7786415.7/85

- sign 45.678 $\pm$ 0.007 χ^2 /NDF: 4542506.7/43

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.015 χ^2 /NDF: 18.0/17

Left Out: -0.003 $\pm$ 0.012 χ^2 /NDF: 23.1/23

Right Out: -0.022 $\pm$ 0.014 χ^2 /NDF: 20.3/20

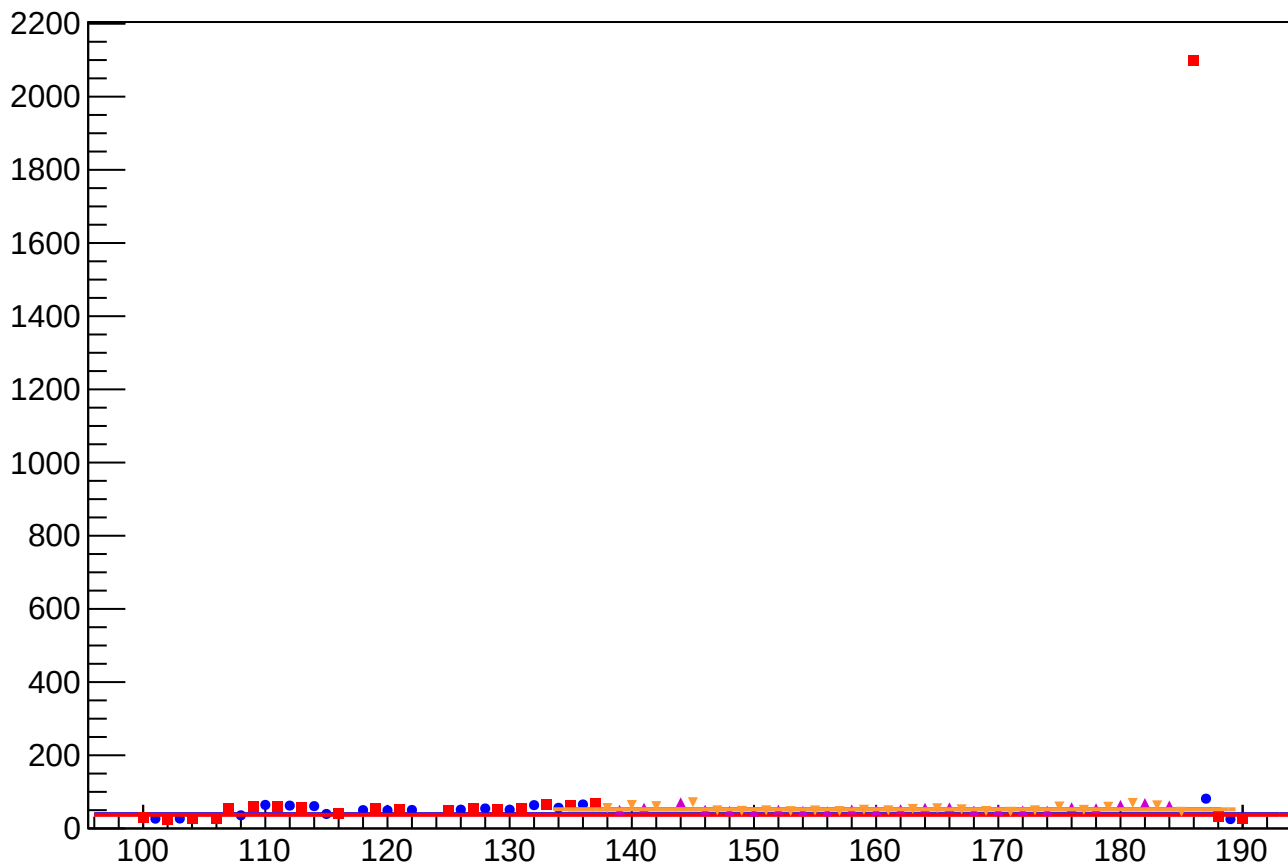
Left In: 0.025 $\pm$ 0.013 χ^2 /NDF: 24.3/22

+ sign -0.002 $\pm$ 0.010 χ^2 /NDF: 41.2/41

All: 0.001 $\pm$ 0.007 χ^2 /NDF: 92.3/85

- sign 0.004 $\pm$ 0.009 χ^2 /NDF: 50.9/43

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 39.047 $\pm$ 0.011 χ^2 /NDF: 1785085.6/17

Left Out: 52.367 $\pm$ 0.009 χ^2 /NDF: 522031.5/23

Right Out: 37.266 $\pm$ 0.010 χ^2 /NDF: 2773954.5/20

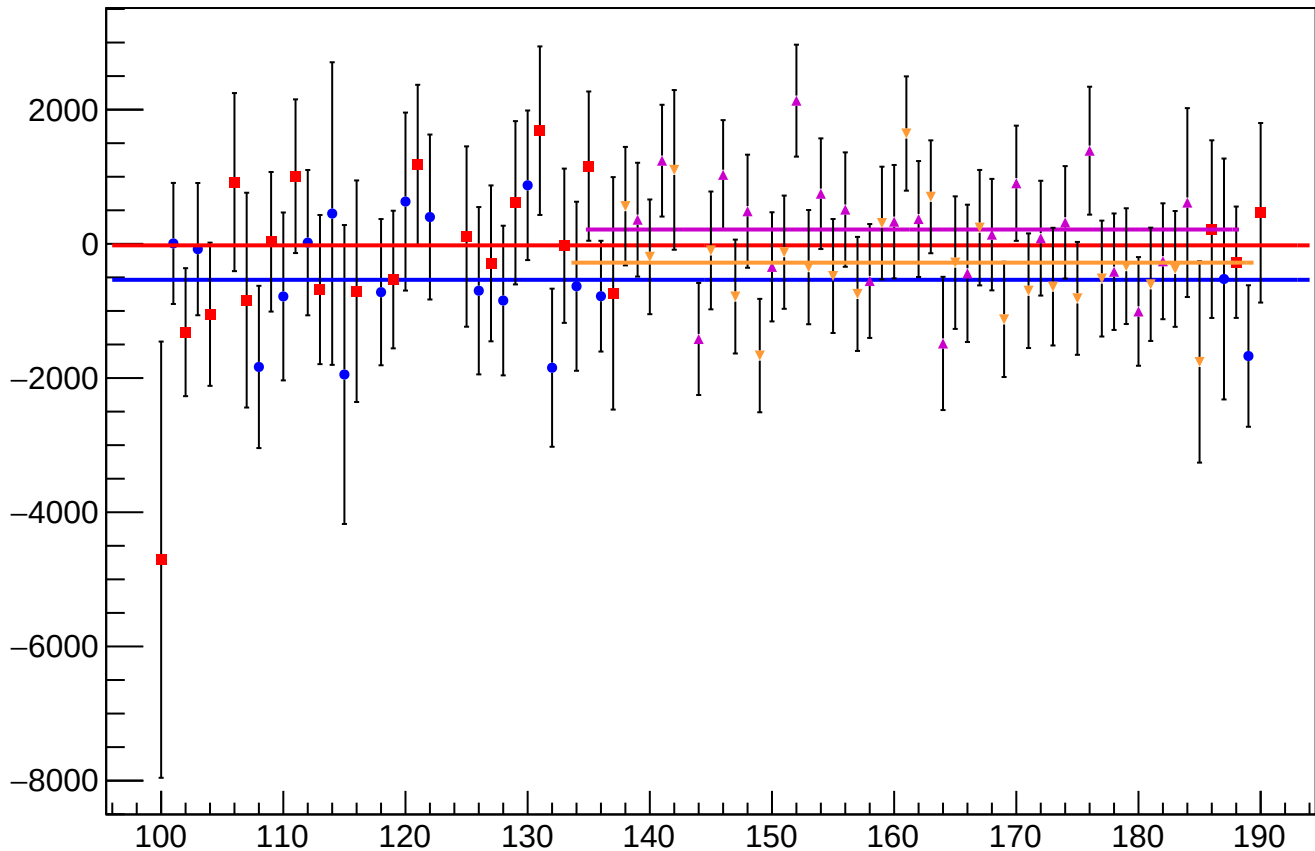
Left In: 52.484 $\pm$ 0.009 χ^2 /NDF: 445297.7/22

+ sign 47.065 $\pm$ 0.007 χ^2 /NDF: 3222464.3/41

All: 46.347 $\pm$ 0.005 χ^2 /NDF: 7786415.7/85

- sign 45.678 $\pm$ 0.007 χ^2 /NDF: 4542506.7/43

reg_asym_us_dd_mean vs Slug



Right In: -535.922 ± 275.377 $\chi^2/\text{NDF}: 8.2/17$

Left Out: -280.364 ± 179.881 $\chi^2/\text{NDF}: 16.1/23$

Right Out: -22.469 ± 261.431 $\chi^2/\text{NDF}: 11.9/20$

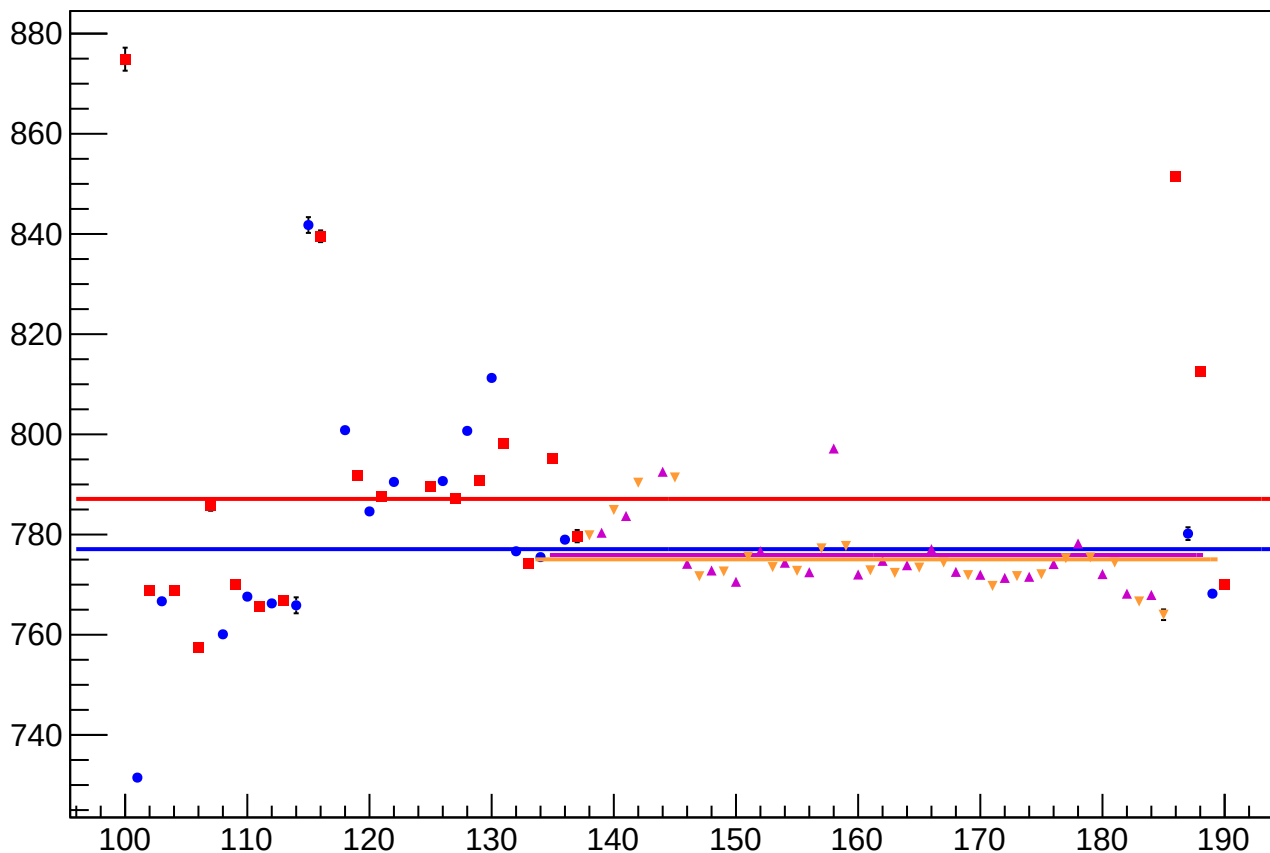
Left In: 213.425 ± 181.168 $\chi^2/\text{NDF}: 22.4/22$

+ sign -356.795 ± 150.598 $\chi^2/\text{NDF}: 24.9/41$

All: -107.164 ± 105.886 $\chi^2/\text{NDF}: 65.1/85$

- sign 136.894 ± 148.908 $\chi^2/\text{NDF}: 34.9/43$

reg_asym_us_dd_rms vs Slug



Right In: 777.087 $\pm$ 0.195 χ^2 /NDF: 12211.7/17

Left Out: 775.050 $\pm$ 0.127 χ^2 /NDF: 1951.3/23

Right Out: 787.113 $\pm$ 0.185 χ^2 /NDF: 15261.3/20

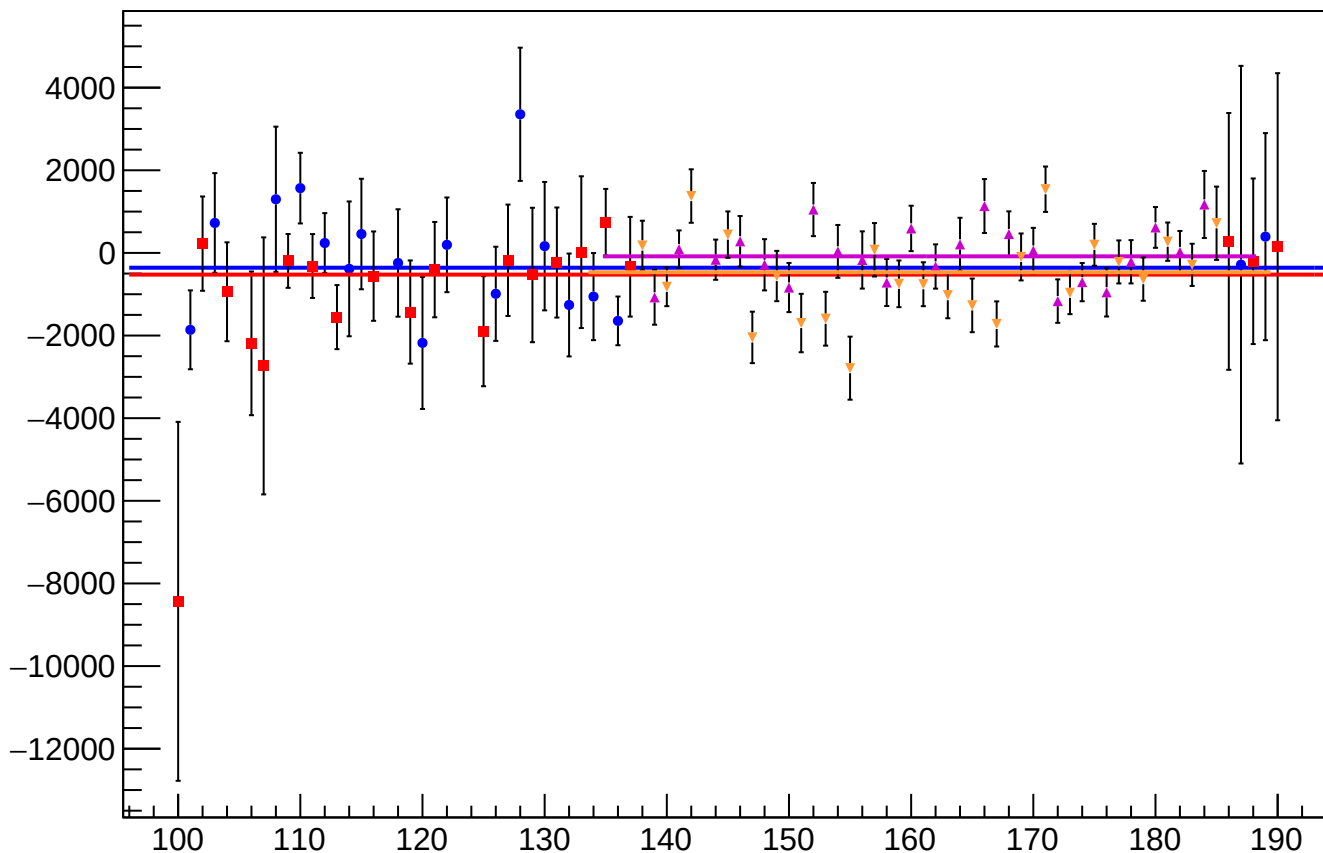
Left In: 775.922 $\pm$ 0.128 χ^2 /NDF: 2973.0/22

+ sign 775.659 $\pm$ 0.106 χ^2 /NDF: 14239.7/41

All: 777.628 $\pm$ 0.075 χ^2 /NDF: 35625.8/85

- sign 779.553 $\pm$ 0.105 χ^2 /NDF: 20710.1/43

asym_us_dd_reg_correction_mean vs Slug



Right In: -358.267 ± 264.799 χ^2/NDF : 23.4/17

Left Out: -467.151 ± 116.712 χ^2/NDF : 64.4/23

Right Out: -524.942 ± 259.266 χ^2/NDF : 11.8/20

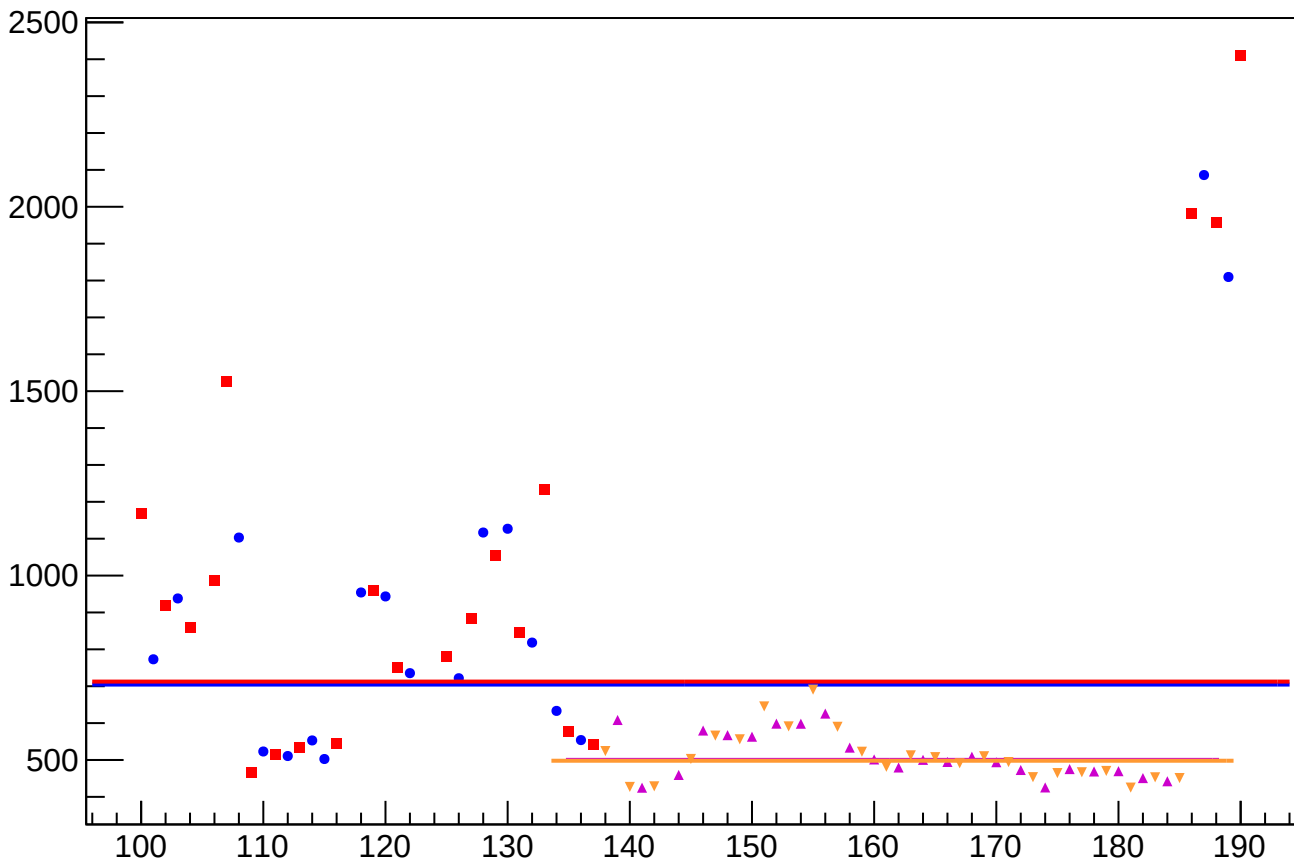
Left In: -83.154 ± 117.808 χ^2/NDF : 28.1/22

+ sign -449.439 ± 106.799 χ^2/NDF : 88.0/41

All: -304.718 ± 75.679 χ^2/NDF : 134.0/85

- sign -158.760 ± 107.255 χ^2/NDF : 42.3/43

asym_us_dd_reg_correction_rms vs Slug



Right In: 704.478 $\pm$ 0.187 χ^2 /NDF: 1593666.0/17

Left Out: 497.966 $\pm$ 0.083 χ^2 /NDF: 526993.3/23

Right Out: 712.577 $\pm$ 0.183 χ^2 /NDF: 2785418.7/20

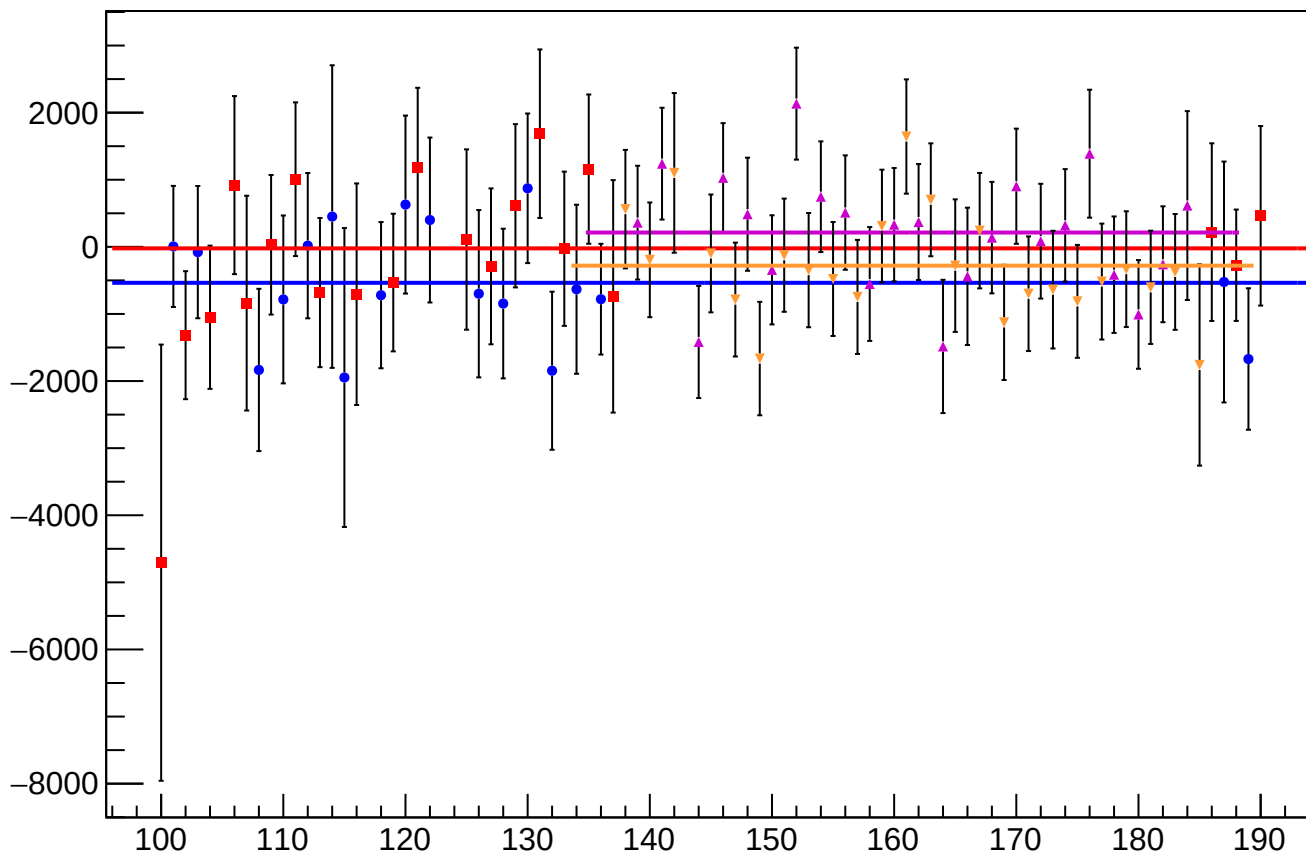
Left In: 500.307 $\pm$ 0.083 χ^2 /NDF: 477388.4/22

+ sign 531.559 $\pm$ 0.076 χ^2 /NDF: 3139225.5/41

All: 534.085 $\pm$ 0.054 χ^2 /NDF: 7515499.4/85

- sign 536.634 $\pm$ 0.076 χ^2 /NDF: 4374025.3/43

cor_asym_us_dd_mean vs Slug



Right In: -535.922 ± 275.377 χ^2/NDF : 8.2/17

Left Out: -280.364 ± 179.881 χ^2/NDF : 16.1/23

Right Out: -22.469 ± 261.431 χ^2/NDF : 11.9/20

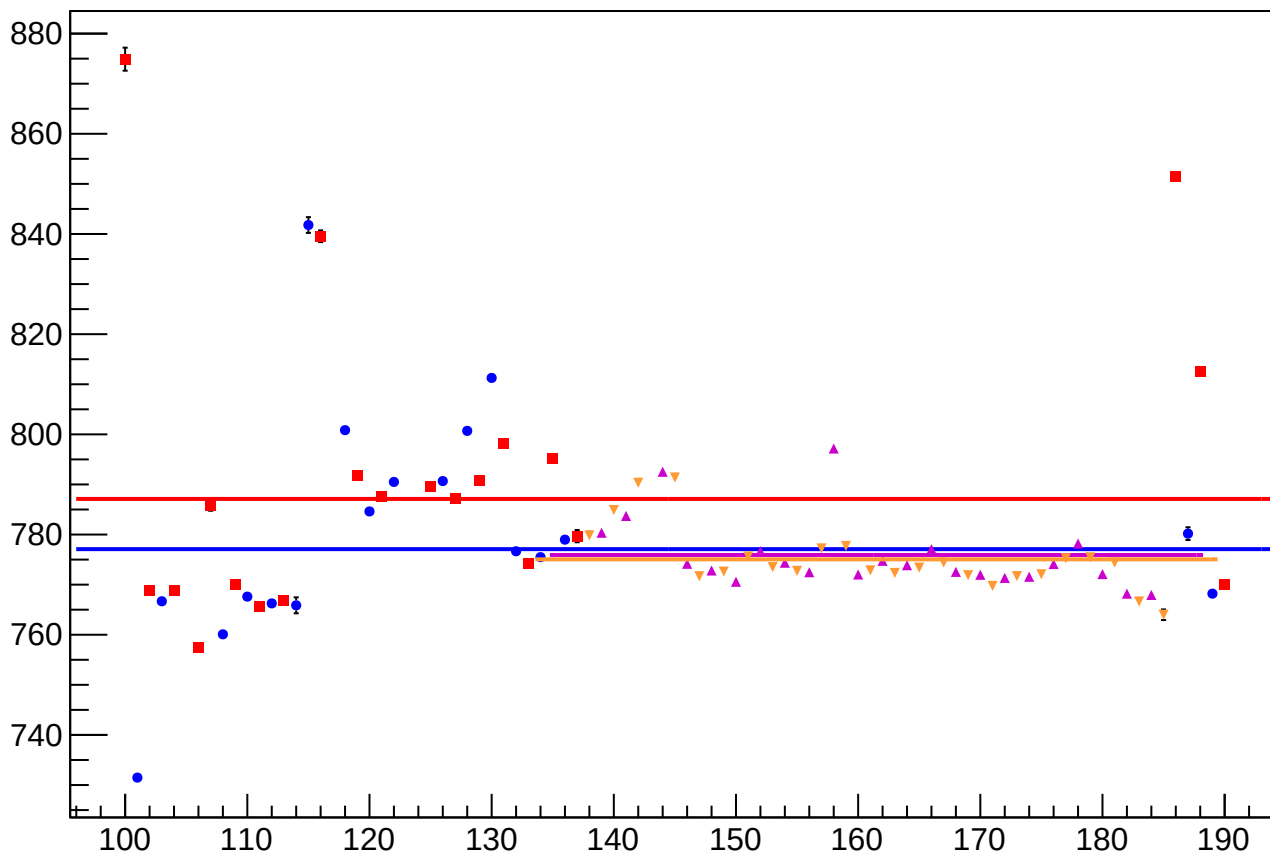
Left In: 213.425 ± 181.168 χ^2/NDF : 22.4/22

+ sign -356.795 ± 150.598 χ^2/NDF : 24.9/41

All: -107.164 ± 105.886 χ^2/NDF : 65.1/85

- sign 136.894 ± 148.908 χ^2/NDF : 34.9/43

cor_asym_us_dd_rms vs Slug



Right In: 777.087 $\pm$ 0.195 χ^2 /NDF: 12211.7/17

Left Out: 775.050 $\pm$ 0.127 χ^2 /NDF: 1951.3/23

Right Out: 787.113 $\pm$ 0.185 χ^2 /NDF: 15261.3/20

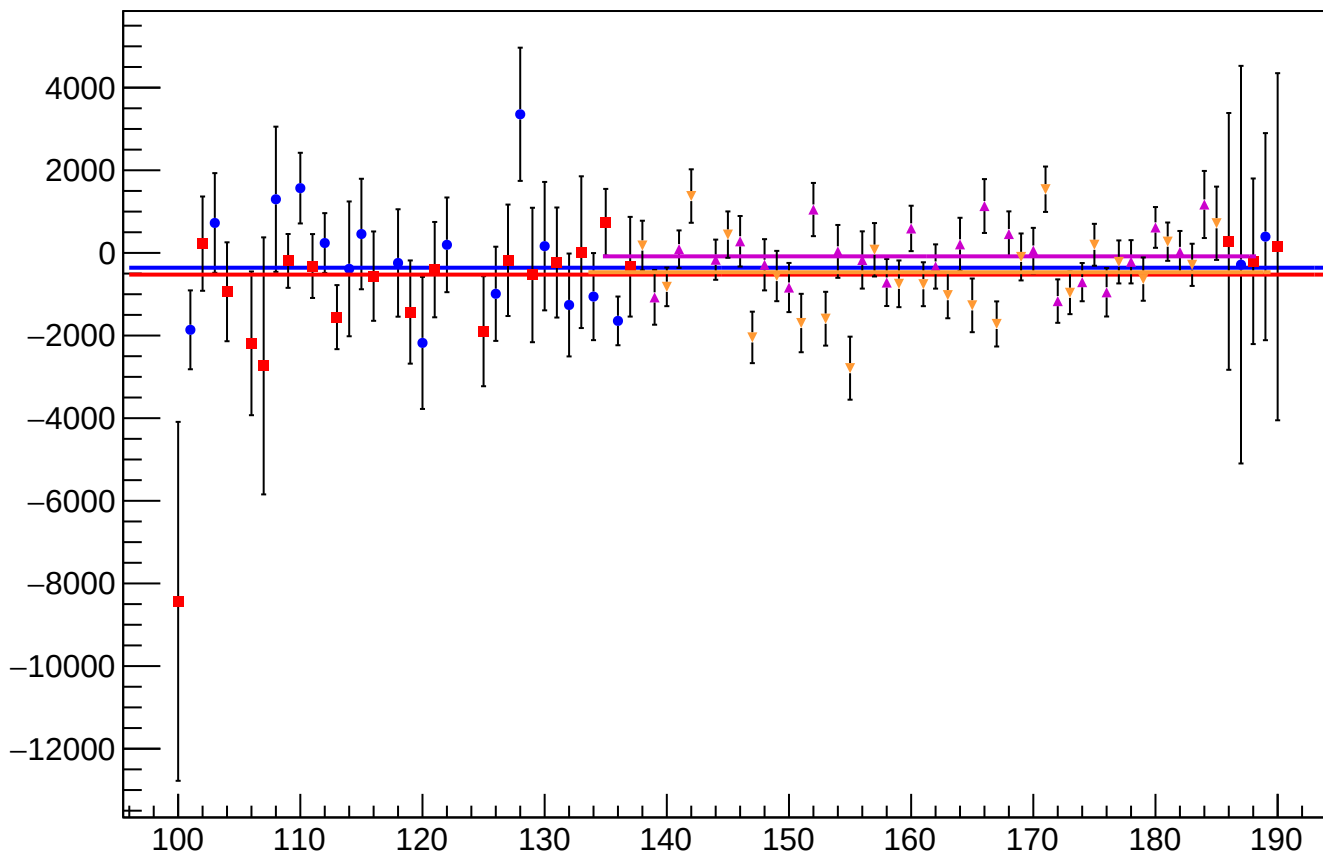
Left In: 775.922 $\pm$ 0.128 χ^2 /NDF: 2973.0/22

+ sign 775.659 $\pm$ 0.106 χ^2 /NDF: 14239.7/41

All: 777.628 $\pm$ 0.075 χ^2 /NDF: 35625.8/85

- sign 779.553 $\pm$ 0.105 χ^2 /NDF: 20710.1/43

asym_us_dd_cor_correction_mean vs Slug



Right In: -358.267 ± 264.799 χ^2/NDF : 23.4/17

Left Out: -467.151 ± 116.712 χ^2/NDF : 64.4/23

Right Out: -524.942 ± 259.266 χ^2/NDF : 11.8/20

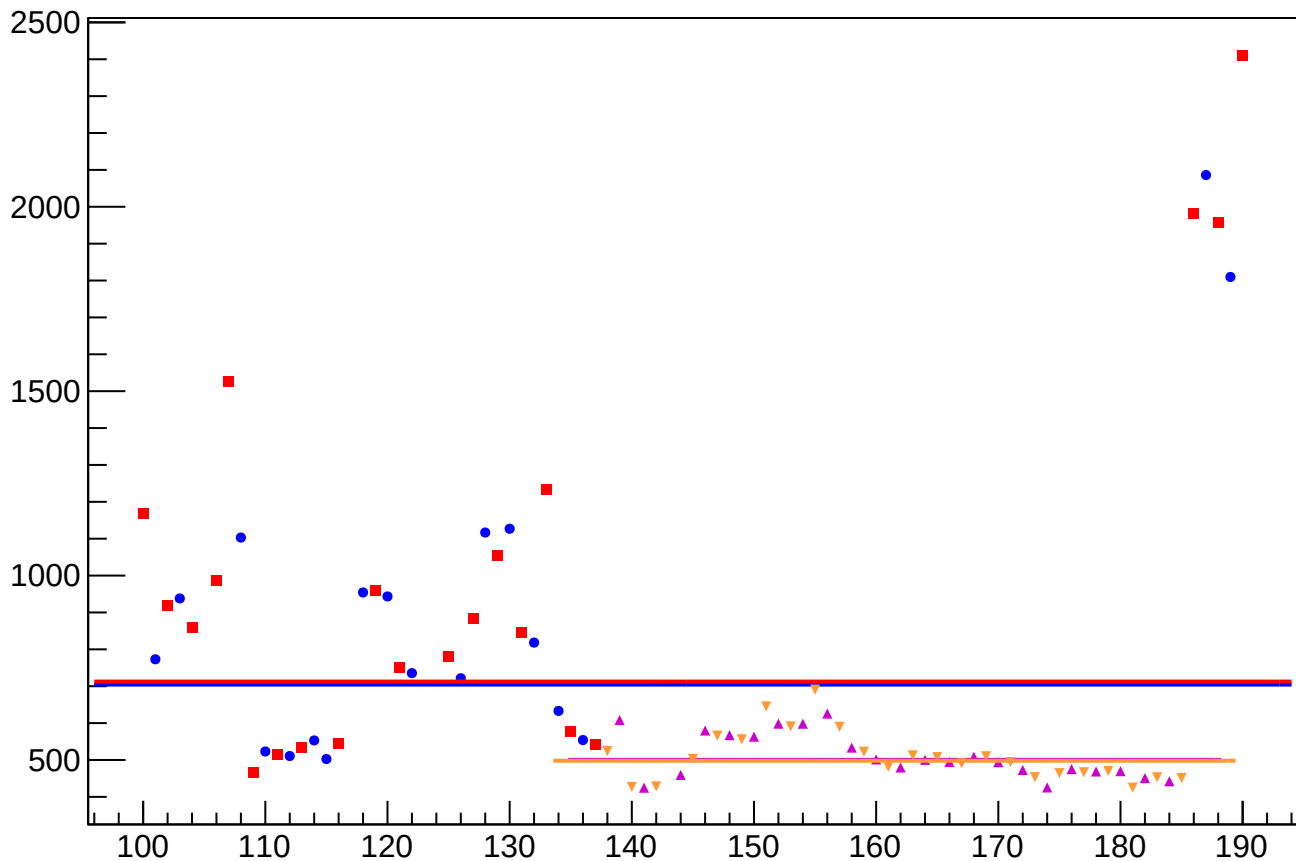
Left In: -83.154 ± 117.808 χ^2/NDF : 28.1/22

+ sign -449.439 ± 106.799 χ^2/NDF : 88.0/41

All: -304.718 ± 75.679 χ^2/NDF : 134.0/85

- sign -158.760 ± 107.255 χ^2/NDF : 42.3/43

asym_us_dd_cor_correction_rms vs Slug



Right In: 704.478+/-0.187 χ^2/NDF : 1593666.0/17

Left Out: 497.966+/-0.083 χ^2/NDF : 526993.3/23

Right Out: 712.577+/-0.183 χ^2/NDF : 2785418.7/20

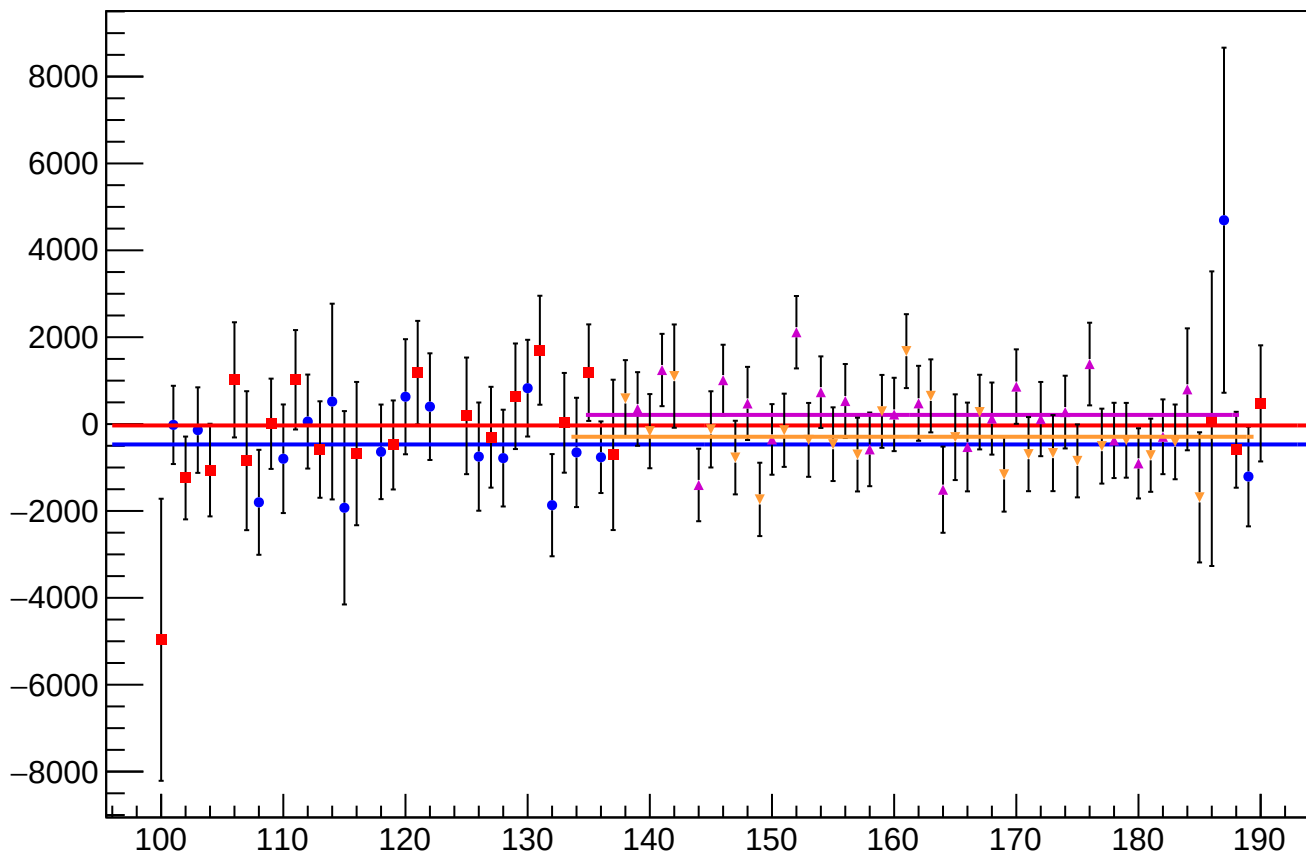
Left In: 500.307+/-0.083 χ^2/NDF : 477388.4/22

+ sign 531.559+/-0.076 χ^2/NDF : 3139225.5/41

All: 534.085+/-0.054 χ^2/NDF : 7515499.4/85

- sign 536.634+/-0.076 χ^2/NDF : 4374025.3/43

overload_cor_asym_us_dd_mean vs Slug



Right In: -468.897 ± 279.252 χ^2/NDF : 8.9/17

Left Out: -292.036 ± 179.670 χ^2/NDF : 16.6/23

Right Out: -31.450 ± 266.987 χ^2/NDF : 12.4/20

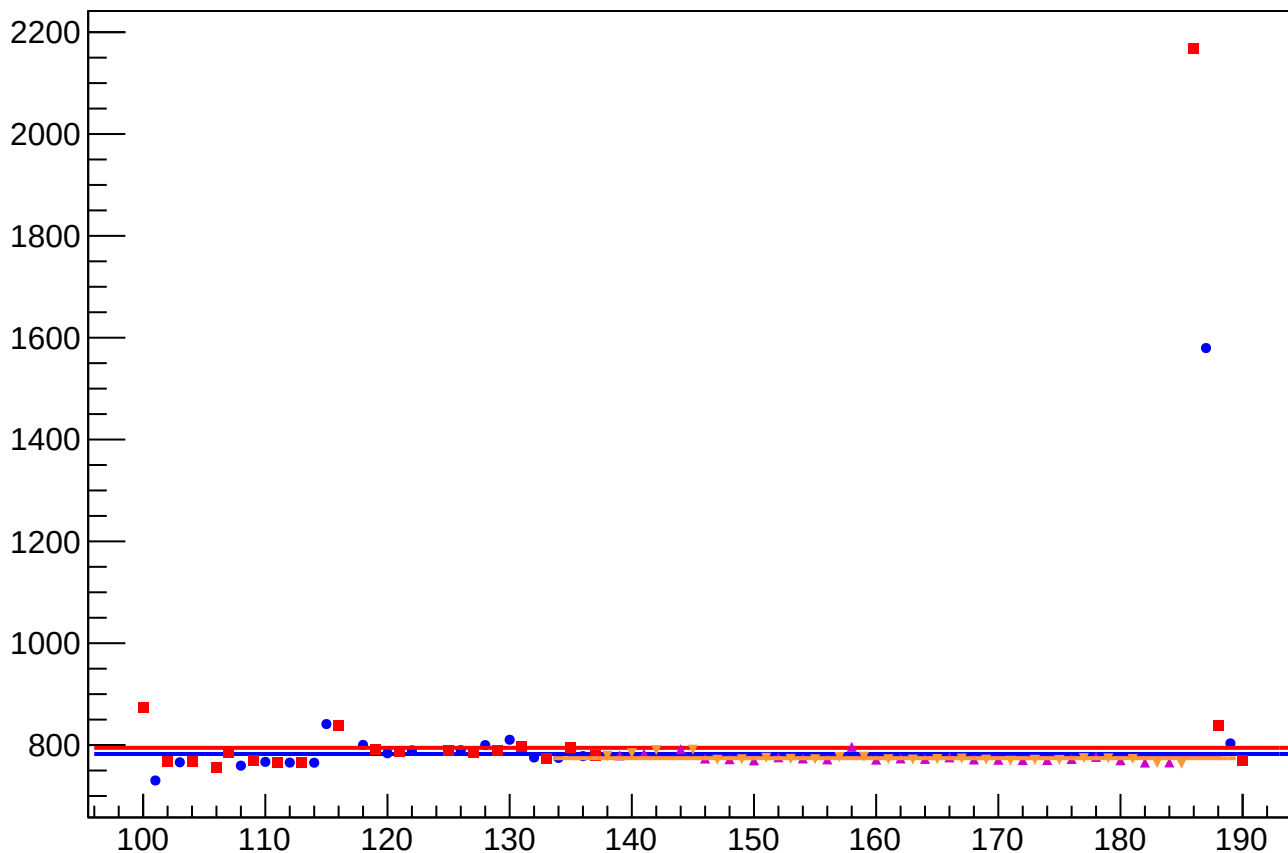
Left In: 211.238 ± 180.951 χ^2/NDF : 22.1/22

+ sign -343.815 ± 151.098 χ^2/NDF : 25.8/41

All: -102.402 ± 106.377 χ^2/NDF : 65.9/85

- sign 134.849 ± 149.789 χ^2/NDF : 35.1/43

overload_cor_asym_us_dd_rms vs Slug



Right In: 782.441+/-0.197 χ^2/NDF : 94078.8/17

Left Out: 774.142+/-0.127 χ^2/NDF : 2060.4/23

Right Out: 794.553+/-0.189 χ^2/NDF : 345387.2/20

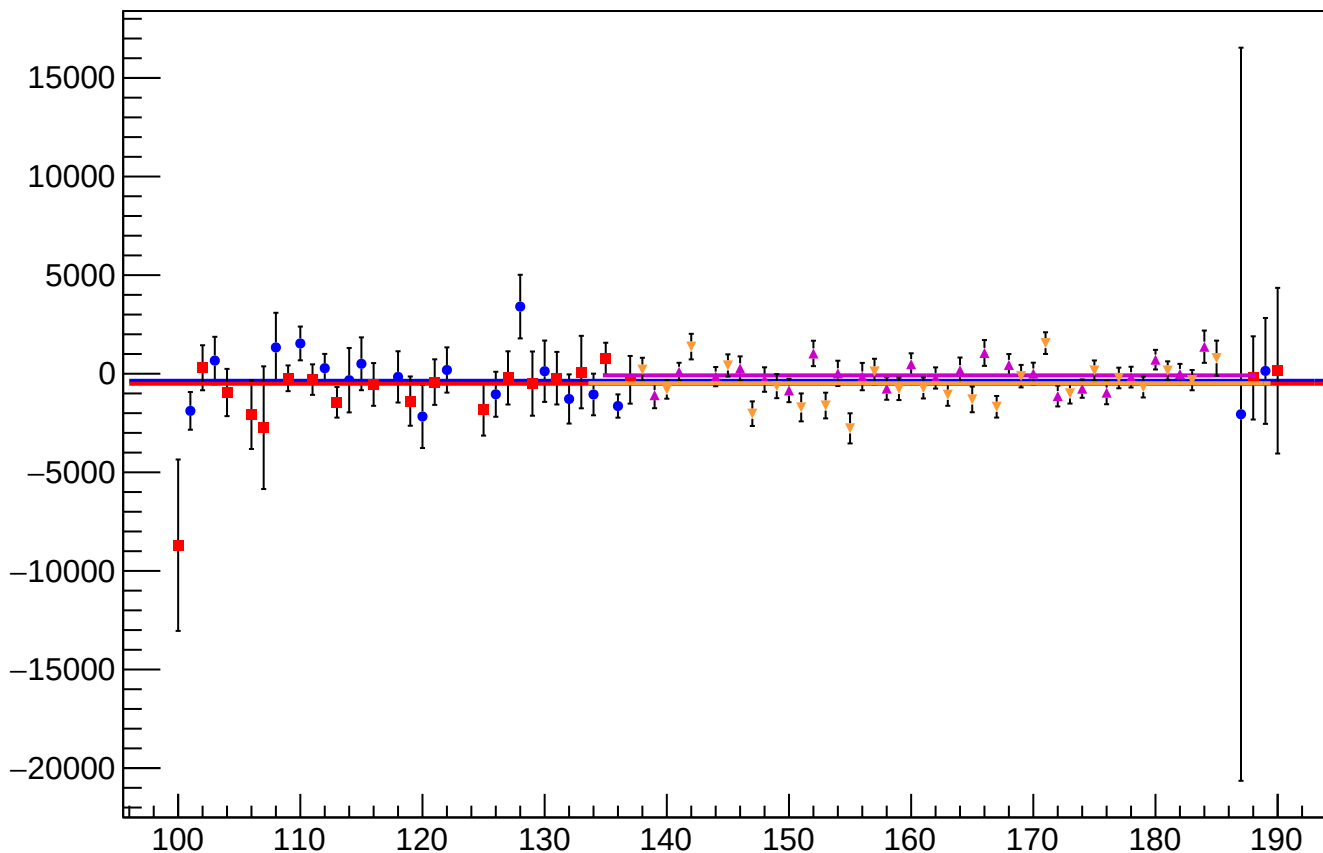
Left In: 774.990+/-0.128 χ^2/NDF : 3148.2/22

+ sign 776.571+/-0.107 χ^2/NDF : 97388.6/41

All: 778.879+/-0.075 χ^2/NDF : 454207.4/85

- sign 781.147+/-0.106 χ^2/NDF : 355893.7/43

asym_us_dd_overload_cor_correction_mean vs Slug



Right In: -358.209 ± 265.747 χ^2/NDF : 23.4/17

Left Out: -481.314 ± 117.092 χ^2/NDF : 63.5/23

Right Out: -508.085 ± 260.771 χ^2/NDF : 11.4/19

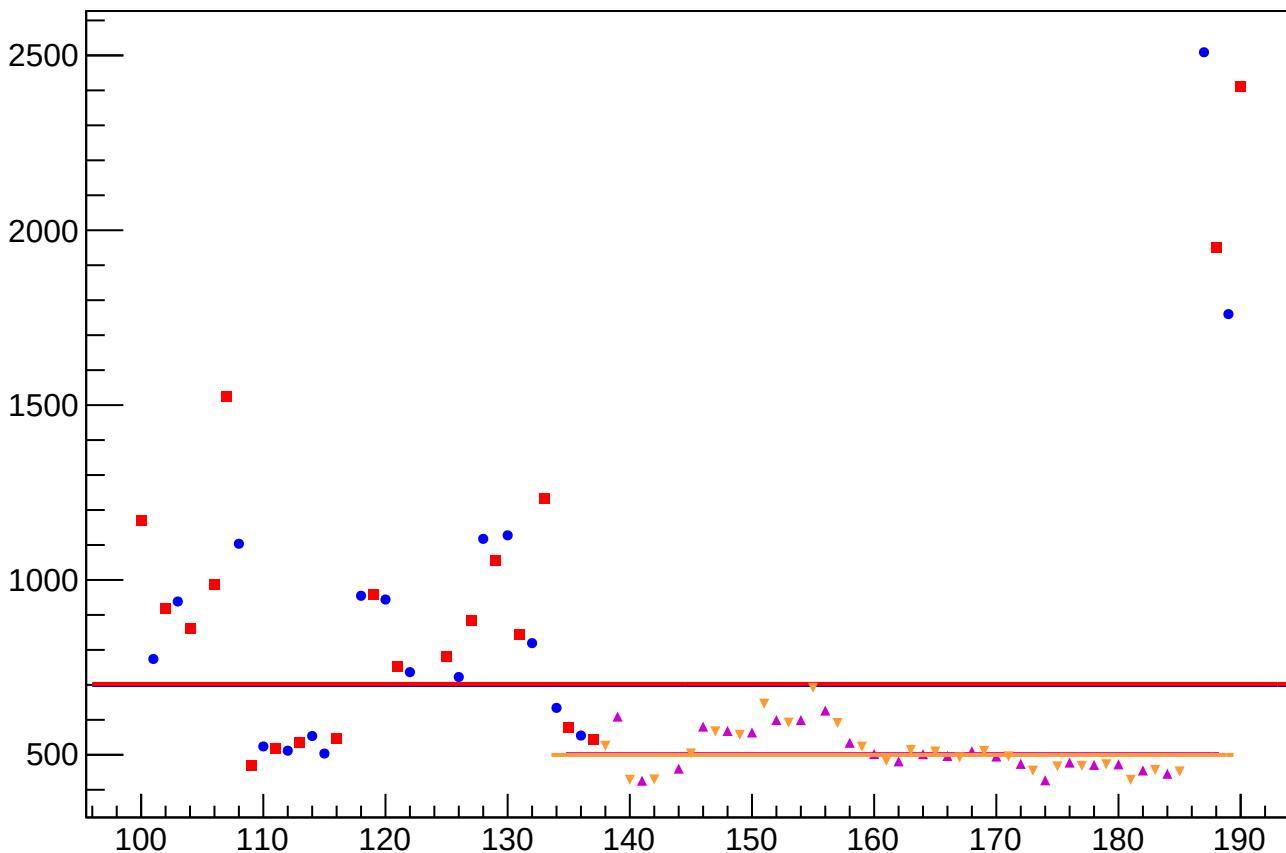
Left In: -83.196 ± 118.194 χ^2/NDF : 28.2/22

+ sign -461.300 ± 107.151 χ^2/NDF : 87.1/41

All: -309.166 ± 75.944 χ^2/NDF : 133.0/84

- sign -155.607 ± 107.653 χ^2/NDF : 41.9/42

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 699.690 $\pm$ 0.188 χ^2 /NDF: 1362224.3/17

Left Out: 499.670 $\pm$ 0.083 χ^2 /NDF: 516314.6/23

Right Out: 702.729 $\pm$ 0.184 χ^2 /NDF: 2358770.3/19

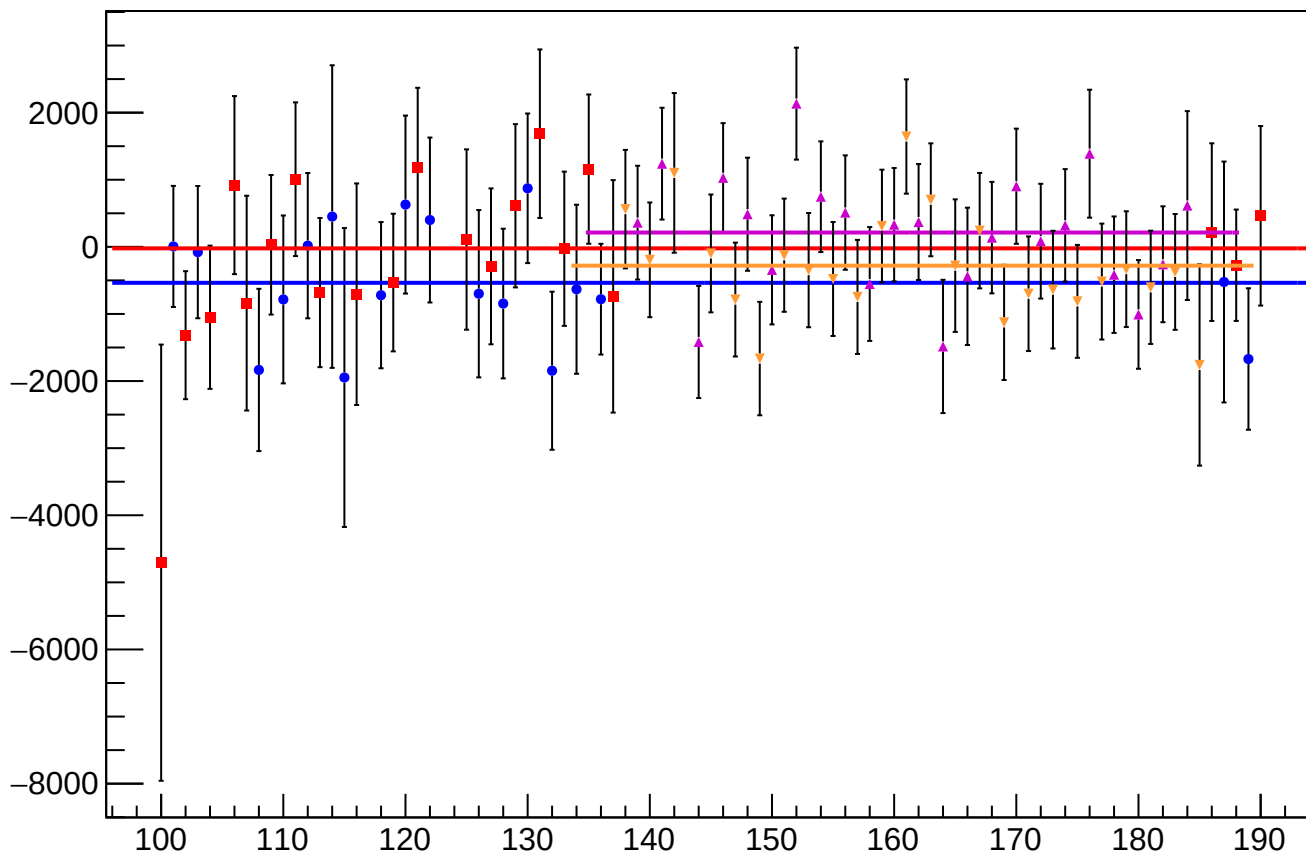
Left In: 502.026 $\pm$ 0.084 χ^2 /NDF: 467449.2/22

+ sign 532.189 $\pm$ 0.076 χ^2 /NDF: 2827364.9/41

All: 534.200 $\pm$ 0.054 χ^2 /NDF: 6637817.3/84

- sign 536.230 $\pm$ 0.076 χ^2 /NDF: 3809036.1/42

eigen_cor_asym_us_dd_mean vs Slug



Right In: -535.922 ± 275.377 χ^2/NDF : 8.2/17

Left Out: -280.364 ± 179.881 χ^2/NDF : 16.1/23

Right Out: -22.469 ± 261.431 χ^2/NDF : 11.9/20

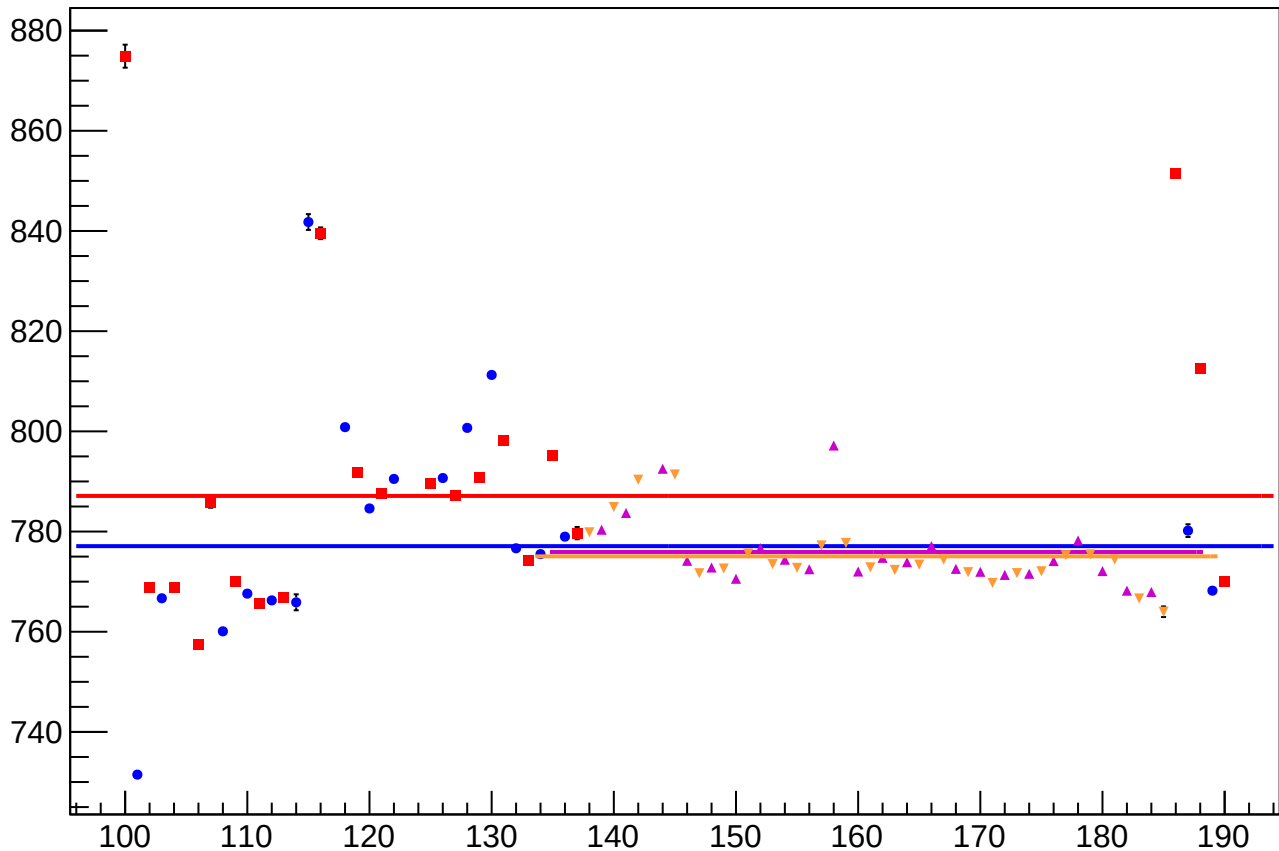
Left In: 213.425 ± 181.168 χ^2/NDF : 22.4/22

+ sign -356.795 ± 150.598 χ^2/NDF : 24.9/41

All: -107.164 ± 105.886 χ^2/NDF : 65.1/85

- sign 136.894 ± 148.908 χ^2/NDF : 34.9/43

eigen_cor_asym_us_dd_rms vs Slug



Right In: 777.087 ± 0.195 χ^2/NDF : 12211.7/17

Left Out: 775.050 ± 0.127 χ^2/NDF : 1951.3/23

Right Out: 787.113 ± 0.185 χ^2/NDF : 15261.3/20

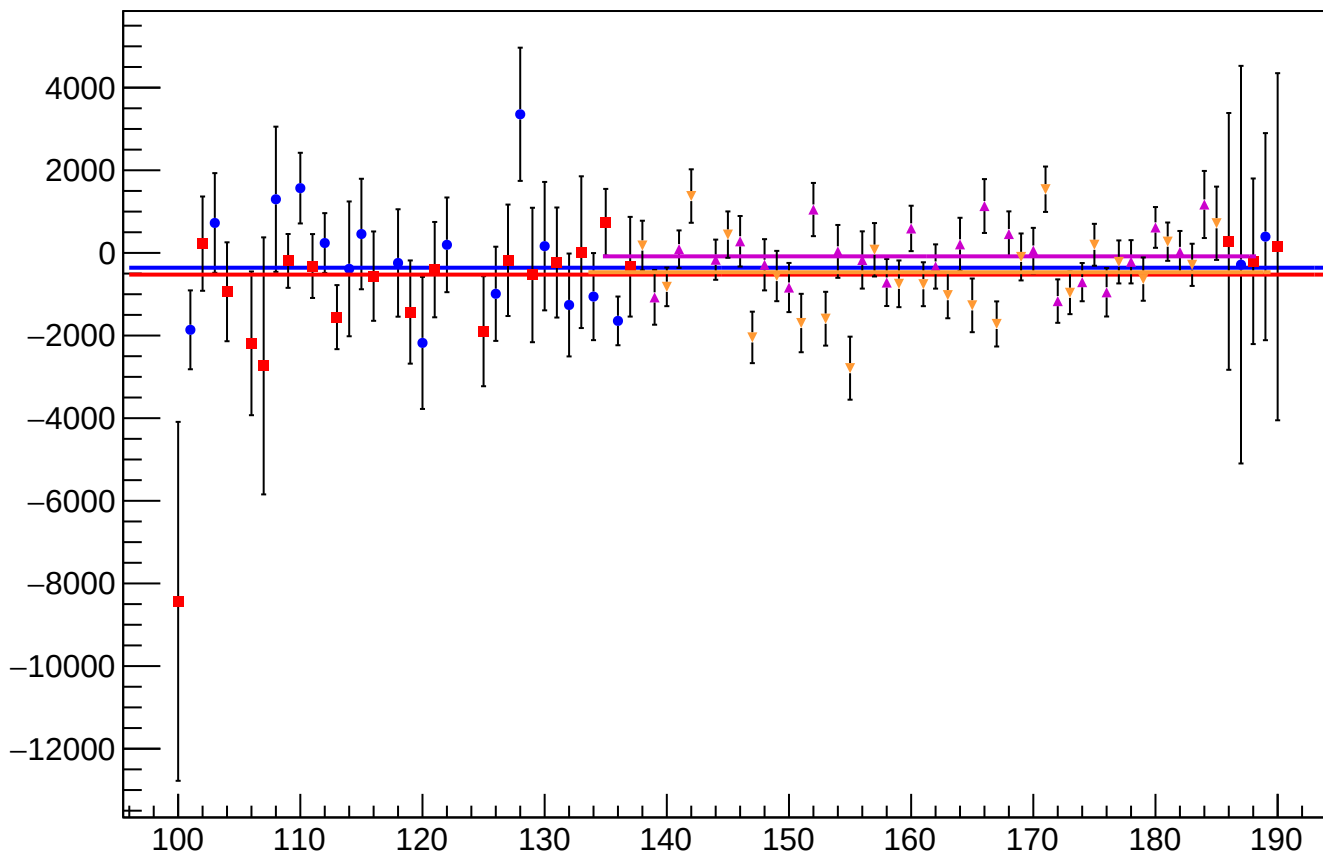
Left In: 775.922 ± 0.128 χ^2/NDF : 2973.0/22

+ sign 775.659 ± 0.106 χ^2/NDF : 14239.7/41

All: 777.628 ± 0.075 χ^2/NDF : 35625.8/85

- sign 779.553 ± 0.105 χ^2/NDF : 20710.1/43

asym_us_dd_eigen_cor_correction_mean vs Slug



Right In: -358.267 $\pm$ 264.799 χ^2 /NDF: 23.4/17

Left Out: -467.151 $\pm$ 116.712 χ^2 /NDF:64.4/23

Right Out: -524.942 $\pm$ 259.266 χ^2 /NDF: 11.8/20

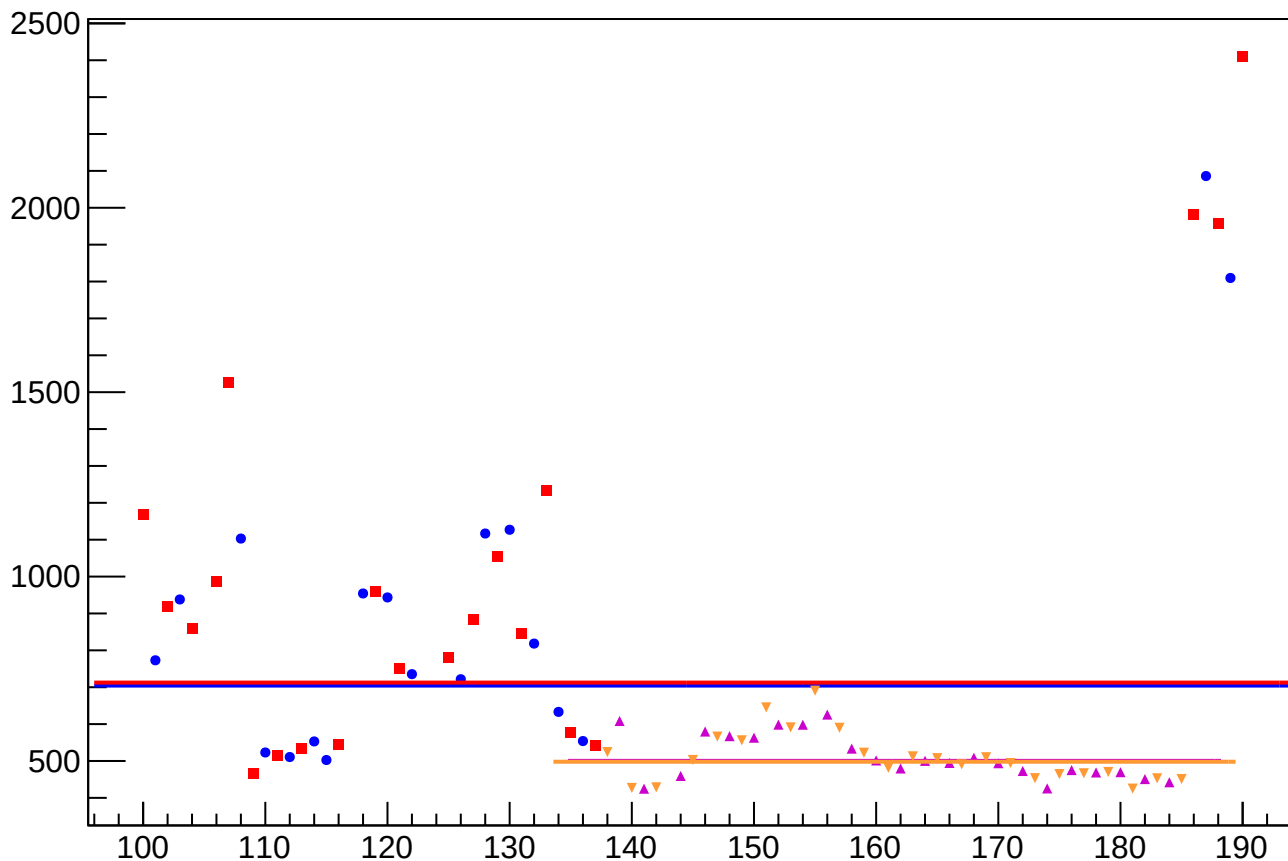
Left In: -83.154 $\pm$ 117.808 χ^2 /NDF:28.1/22

+ sign -449.439 $\pm$ 106.799 χ^2 /NDF: 88.0/41

All: -304.718 $\pm$ 75.679 χ^2 /NDF: 134.0/85

- sign -158.760 $\pm$ 107.255 χ^2 /NDF: 42.3/43

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 704.478 $\pm$ 0.187 χ^2 /NDF: 1593666.0/17

Left Out: 497.966 $\pm$ 0.083 χ^2 /NDF: 526993.3/23

Right Out: 712.577 $\pm$ 0.183 χ^2 /NDF: 2785418.7/20

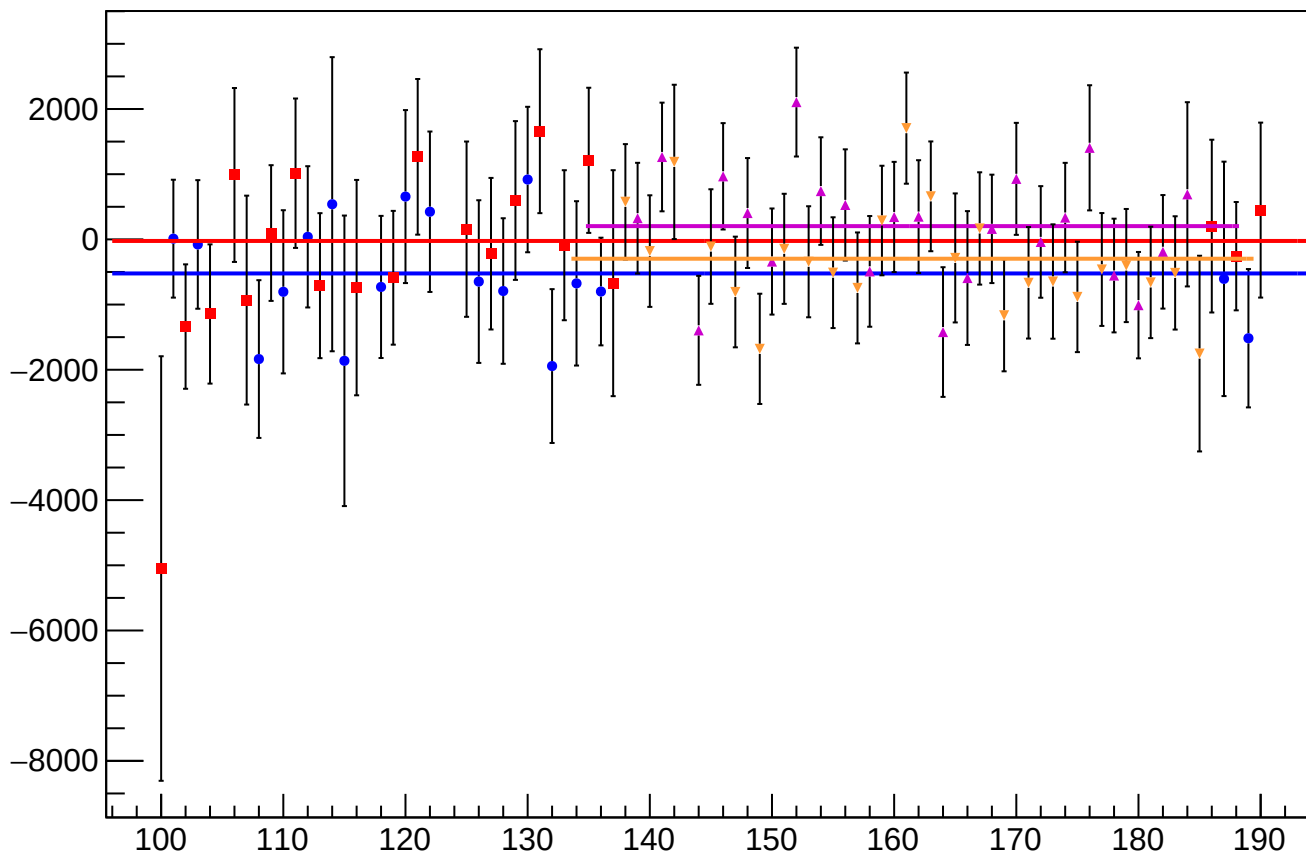
Left In: 500.307 $\pm$ 0.083 χ^2 /NDF: 477388.4/22

+ sign 531.559 $\pm$ 0.076 χ^2 /NDF: 3139225.5/41

All: 534.085 $\pm$ 0.054 χ^2 /NDF: 7515499.4/85

- sign 536.634 $\pm$ 0.076 χ^2 /NDF: 4374025.3/43

dit_asym_us_dd_mean vs Slug



Right In: -522.634 $\pm$ 275.758 χ^2 /NDF: 8.2/17

Left Out: -296.771 $\pm$ 180.280 χ^2 /NDF:16.7/23

Right Out: -24.252 $\pm$ 261.727 χ^2 /NDF: 12.9/20

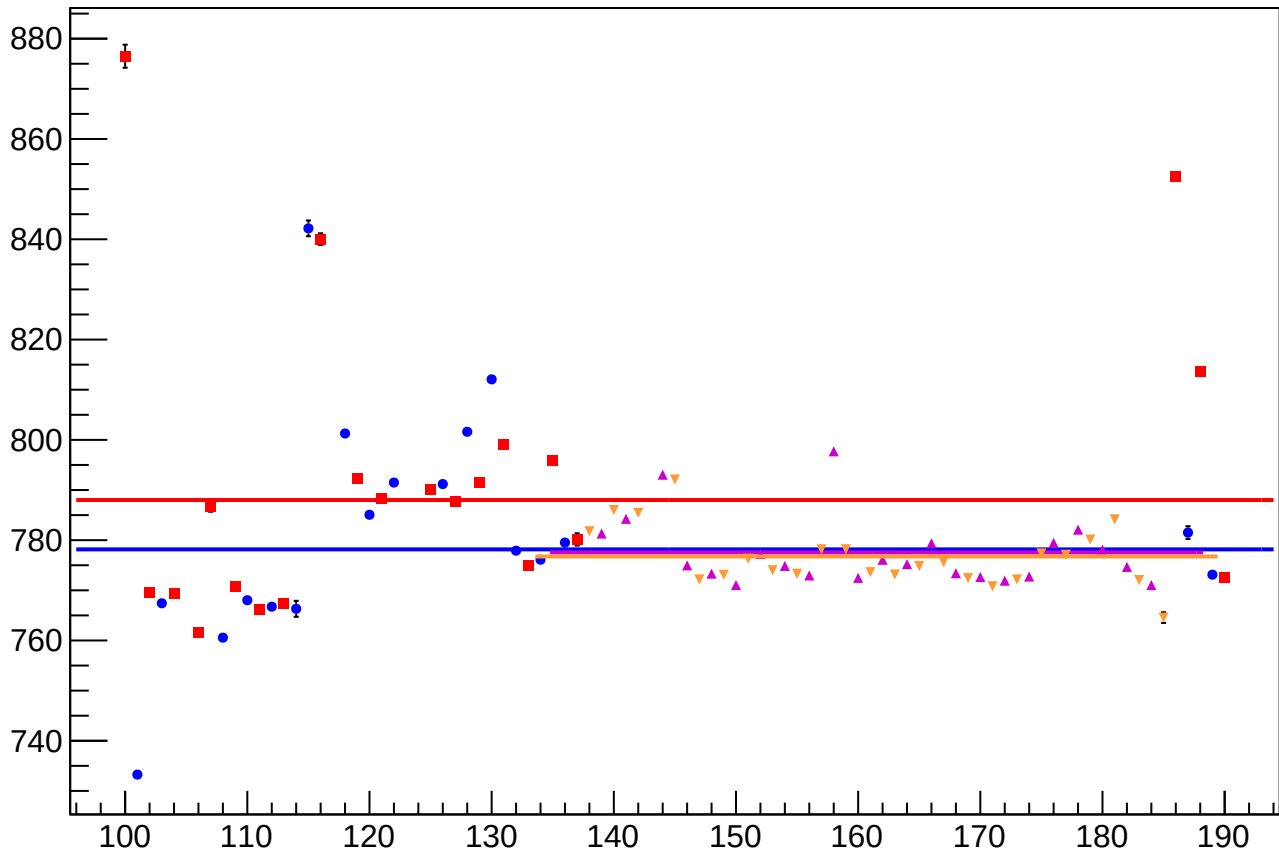
Left In: 203.339 $\pm$ 181.548 χ^2 /NDF:22.1/22

+ sign -364.401 $\pm$ 150.895 χ^2 /NDF: 25.4/41

All: -114.665 $\pm$ 106.085 χ^2 /NDF: 66.3/85

- sign 129.405 $\pm$ 149.173 χ^2 /NDF: 35.5/43

dit_asym_us_dd_rms vs Slug



Right In: 778.167 $\pm$ 0.195 χ^2 /NDF: 11849.5/17

Left Out: 776.751 $\pm$ 0.127 χ^2 /NDF: 1826.3/23

Right Out: 788.008 $\pm$ 0.185 χ^2 /NDF: 15097.8/20

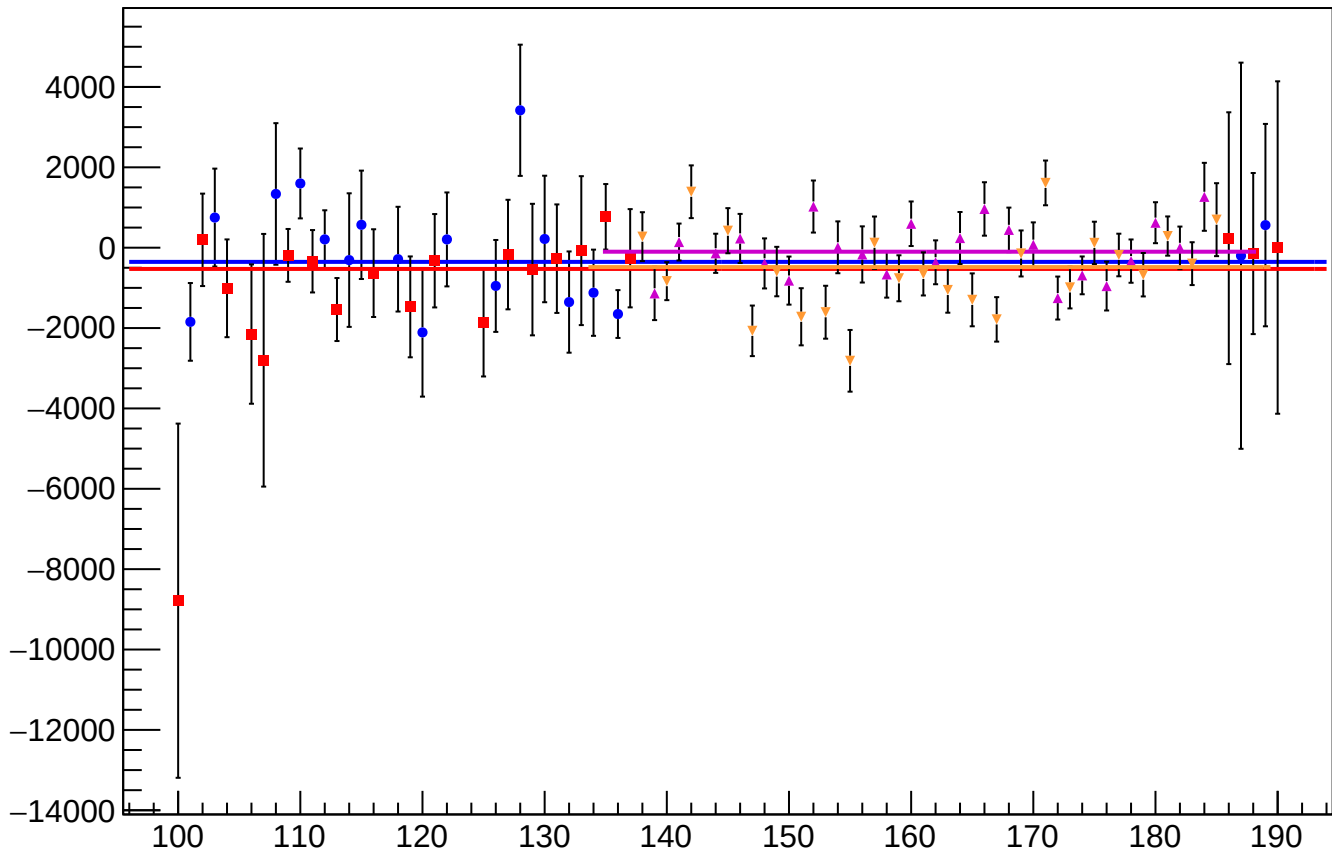
Left In: 777.550 $\pm$ 0.128 χ^2 /NDF: 2750.7/22

+ sign 777.175 $\pm$ 0.107 χ^2 /NDF: 13712.8/41

All: 779.083 $\pm$ 0.075 χ^2 /NDF: 34349.6/85

- sign 780.947 $\pm$ 0.105 χ^2 /NDF: 20004.7/43

asym_us_dd_dit_correction_mean vs Slug



Right In: -353.030 ± 267.374 χ^2/NDF : 23.4/17

Left Out: -482.886 ± 118.805 χ^2/NDF : 65.1/23

Right Out: -528.506 ± 261.535 χ^2/NDF : 11.9/20

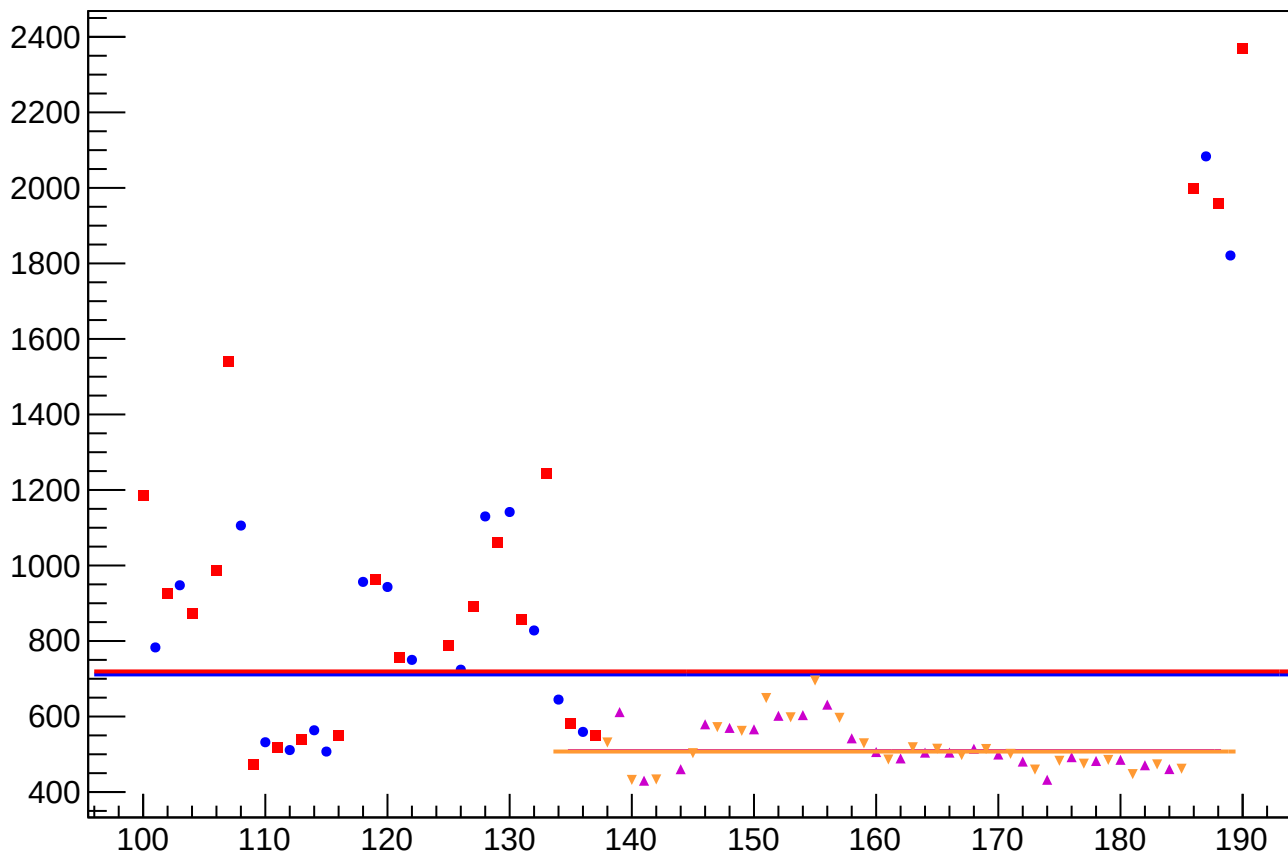
Left In: -99.985 ± 119.677 χ^2/NDF : 27.4/22

+ sign -461.475 ± 108.570 χ^2/NDF : 88.7/41

All: -318.163 ± 76.860 χ^2/NDF : 133.8/85

- sign -174.179 ± 108.824 χ^2/NDF : 41.5/43

asym_us_dd_dit_correction_rms vs Slug



Right In: 711.522 $\pm$ 0.189 χ^2 /NDF: 1589121.9/17

Left Out: 507.319 $\pm$ 0.084 χ^2 /NDF: 473982.3/23

Right Out: 719.400 $\pm$ 0.185 χ^2 /NDF: 2767343.0/20

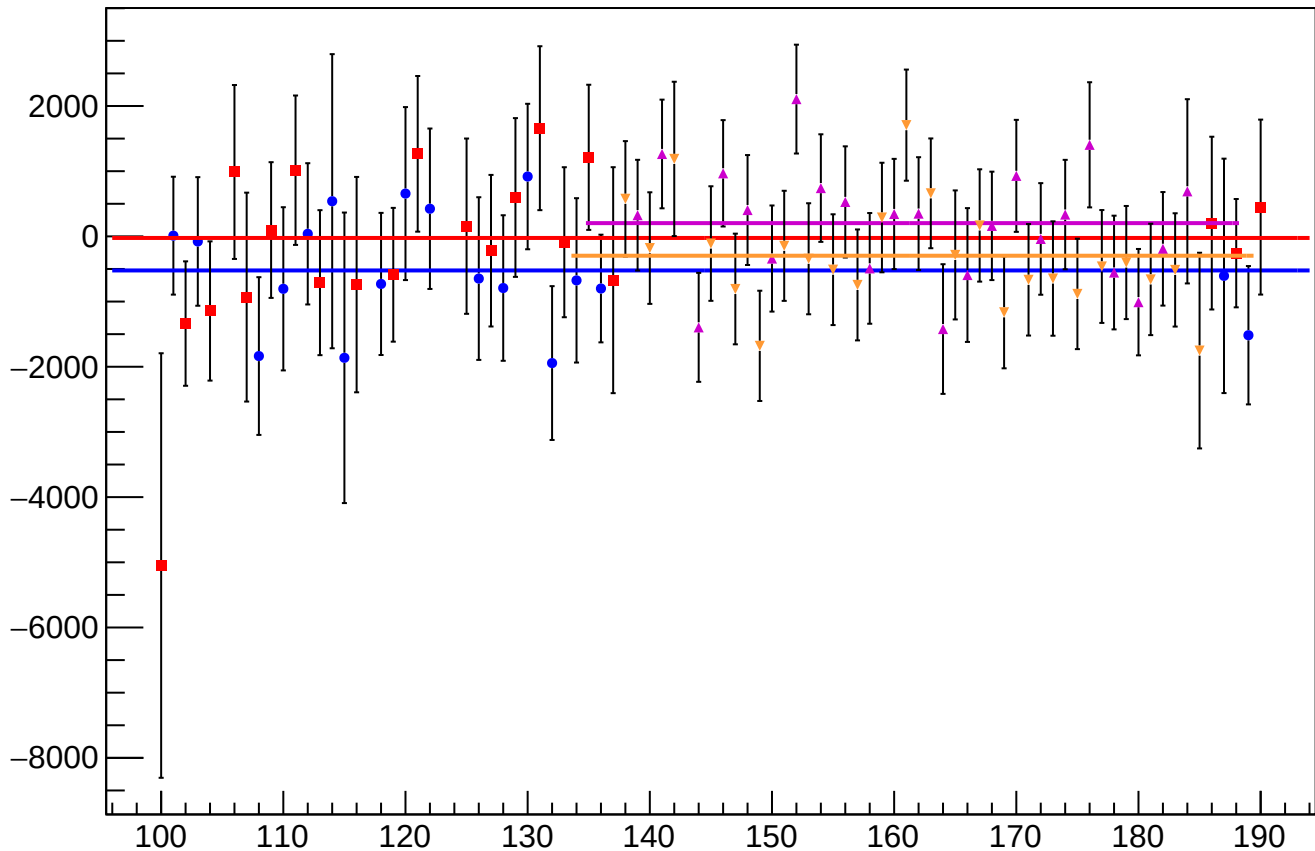
Left In: 508.638 $\pm$ 0.085 χ^2 /NDF: 432447.1/22

+ sign 540.989 $\pm$ 0.077 χ^2 /NDF: 3037342.2/41

All: 543.054 $\pm$ 0.054 χ^2 /NDF: 7312537.6/85

- sign 545.129 $\pm$ 0.077 χ^2 /NDF: 4273744.6/43

eigen_dit_asym_us_dd_mean vs Slug



Right In: -522.635 ± 275.758 χ^2/NDF : 8.2/17

Left Out: -296.771 ± 180.280 χ^2/NDF : 16.7/23

Right Out: -24.251 ± 261.727 χ^2/NDF : 12.9/20

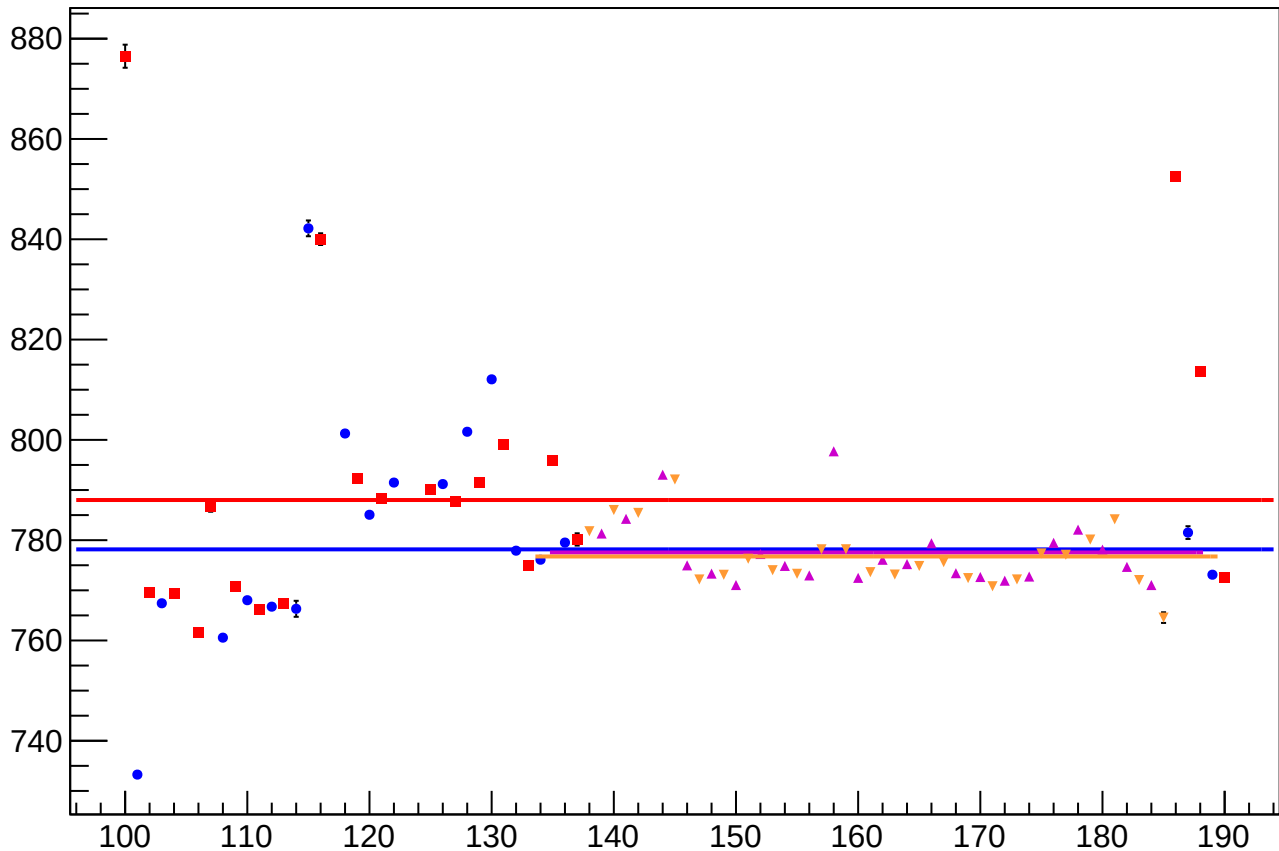
Left In: 203.338 ± 181.548 χ^2/NDF : 22.1/22

+ sign -364.401 ± 150.895 χ^2/NDF : 25.4/41

All: -114.665 ± 106.085 χ^2/NDF : 66.3/85

- sign 129.405 ± 149.173 χ^2/NDF : 35.5/43

eigen_dit_asym_us_dd_rms vs Slug



Right In: 778.167 $\pm$ 0.195 χ^2 /NDF: 11849.4/17

Left Out: 776.751 $\pm$ 0.127 χ^2 /NDF: 1826.3/23

Right Out: 788.008 $\pm$ 0.185 χ^2 /NDF: 15097.8/20

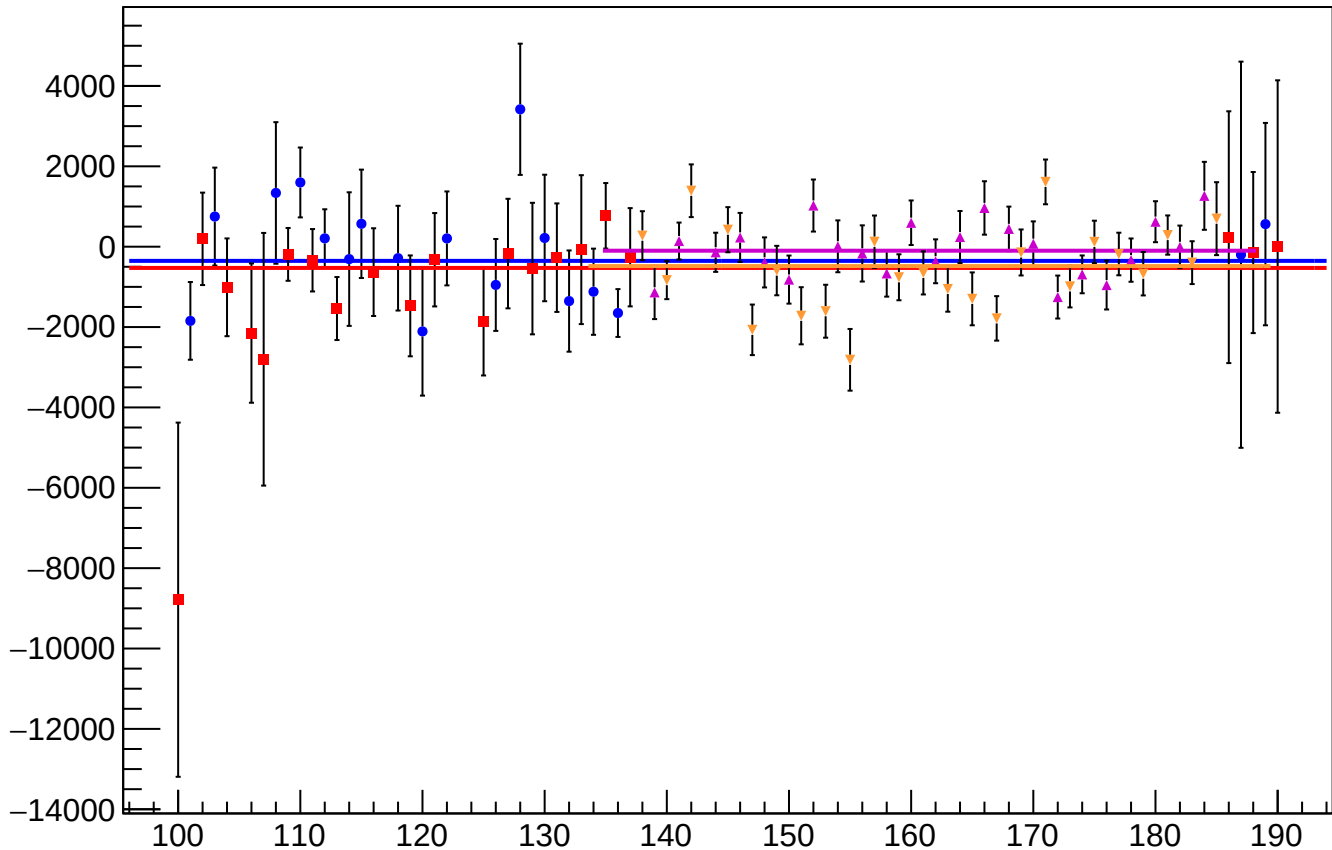
Left In: 777.550 $\pm$ 0.128 χ^2 /NDF: 2750.7/22

+ sign 777.175 $\pm$ 0.107 χ^2 /NDF: 13712.7/41

All: 779.083 $\pm$ 0.075 χ^2 /NDF: 34349.6/85

- sign 780.947 $\pm$ 0.105 χ^2 /NDF: 20004.6/43

asym_us_dd_eigen_dit_correction_mean vs Slug



Right In: -353.026 ± 267.372 χ^2/NDF : 23.4/17

Left Out: -482.886 ± 118.806 χ^2/NDF : 65.1/23

Right Out: -528.505 ± 261.534 χ^2/NDF : 11.9/20

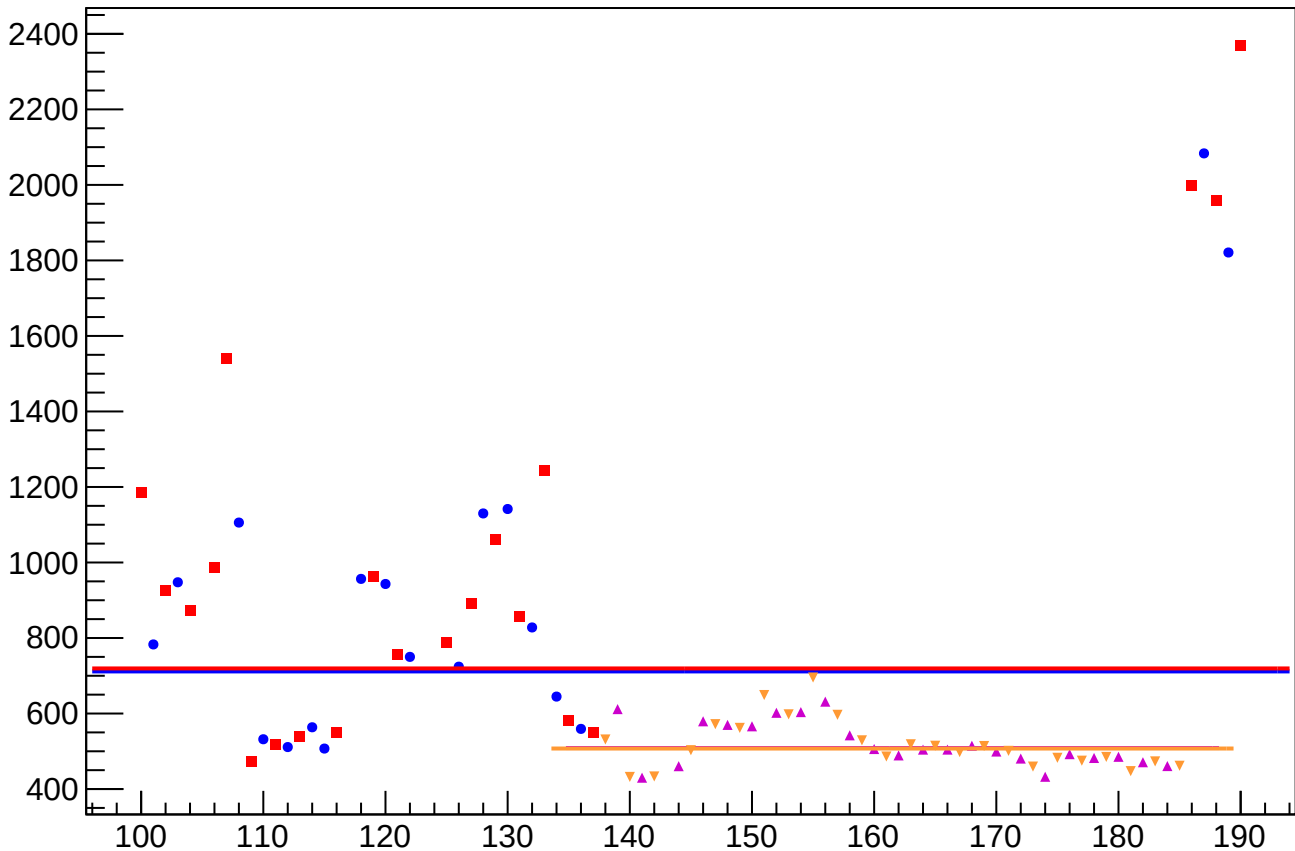
Left In: -99.985 ± 119.677 χ^2/NDF : 27.4/22

+ sign -461.474 ± 108.570 χ^2/NDF : 88.7/41

All: -318.163 ± 76.860 χ^2/NDF : 133.8/85

- sign -174.179 ± 108.824 χ^2/NDF : 41.5/43

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 711.519 $\pm$ 0.189 χ^2 /NDF: 1589136.6/17

Left Out: 507.319 $\pm$ 0.084 χ^2 /NDF: 473992.3/23

+ sign 540.989 $\pm$ 0.077 χ^2 /NDF: 3037337.9/41

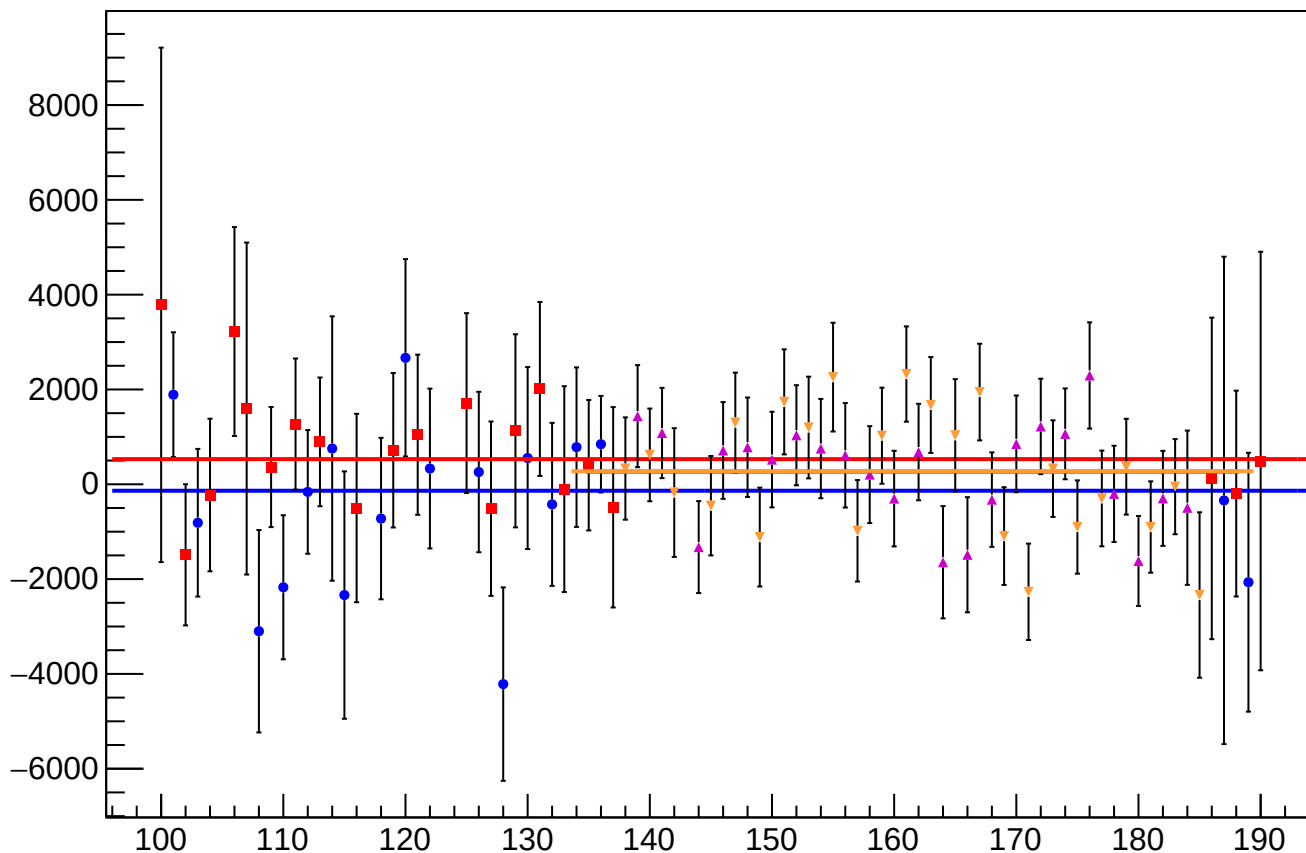
Right Out: 719.396 $\pm$ 0.185 χ^2 /NDF: 2767367.6/20

All: 543.054 $\pm$ 0.054 χ^2 /NDF: 7312545.0/85

Left In: 508.638 $\pm$ 0.085 χ^2 /NDF: 432461.7/22

- sign 545.129 $\pm$ 0.077 χ^2 /NDF: 4273756.5/43

asym_us_dd_mean vs Slug



Right In: -136.096 $\pm$ 404.158 χ^2/NDF : 15.0/17

Left Out: 275.181 $\pm$ 216.290 χ^2/NDF : 33.6/23

Right Out: 530.832 $\pm$ 399.869 χ^2/NDF : 6.7/20

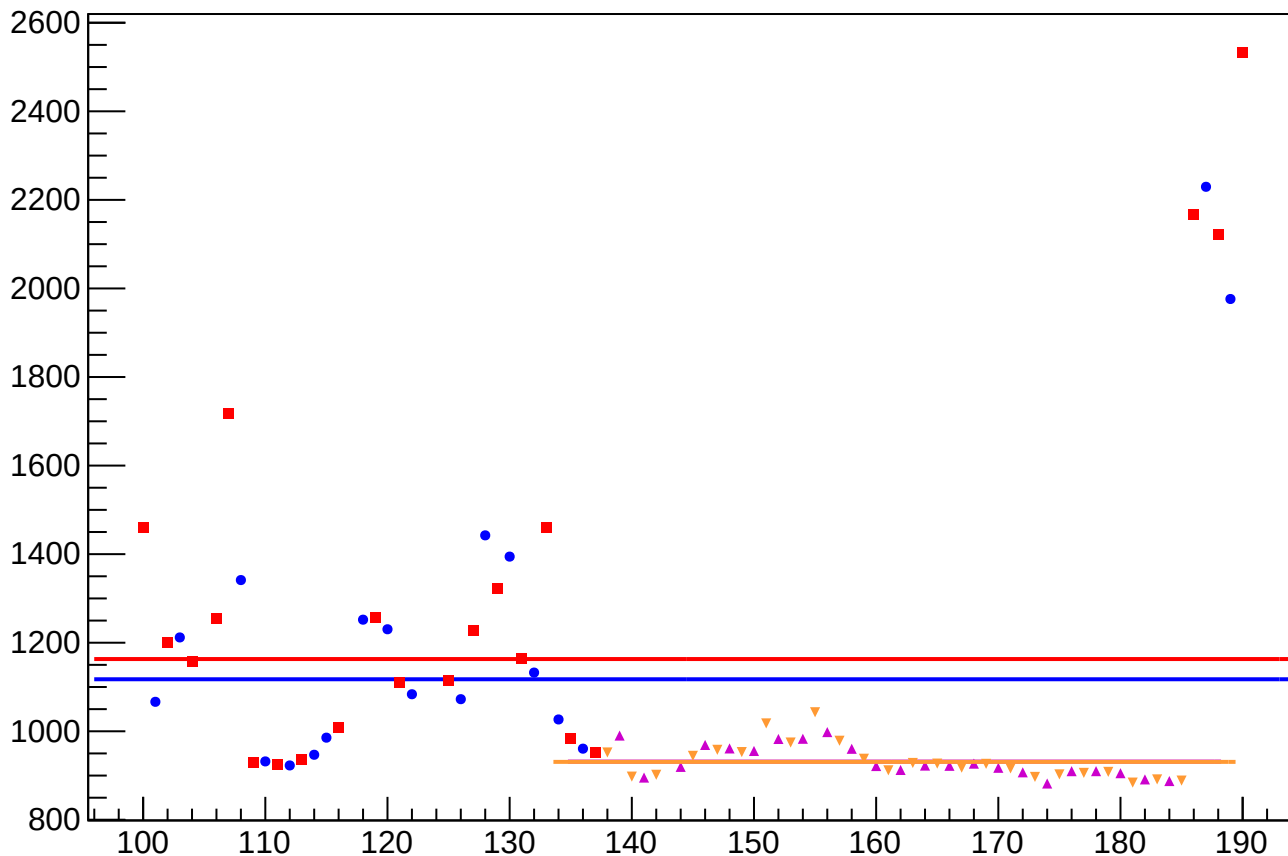
Left In: 267.059 $\pm$ 217.685 χ^2/NDF : 21.4/22

+ sign 183.616 $\pm$ 190.699 χ^2/NDF : 49.5/41

All: 255.304 $\pm$ 135.018 χ^2/NDF : 78.1/85

- sign 327.360 $\pm$ 191.190 χ^2/NDF : 28.4/43

asym_us_dd_rms vs Slug



Right In: 1117.470 ± 0.286 $\chi^2/\text{NDF}: 577014.7/17$

Left Out: 930.922 ± 0.153 $\chi^2/\text{NDF}: 61953.0/23$

Right Out: 1163.127 ± 0.283 $\chi^2/\text{NDF}: 1130886.4/20$

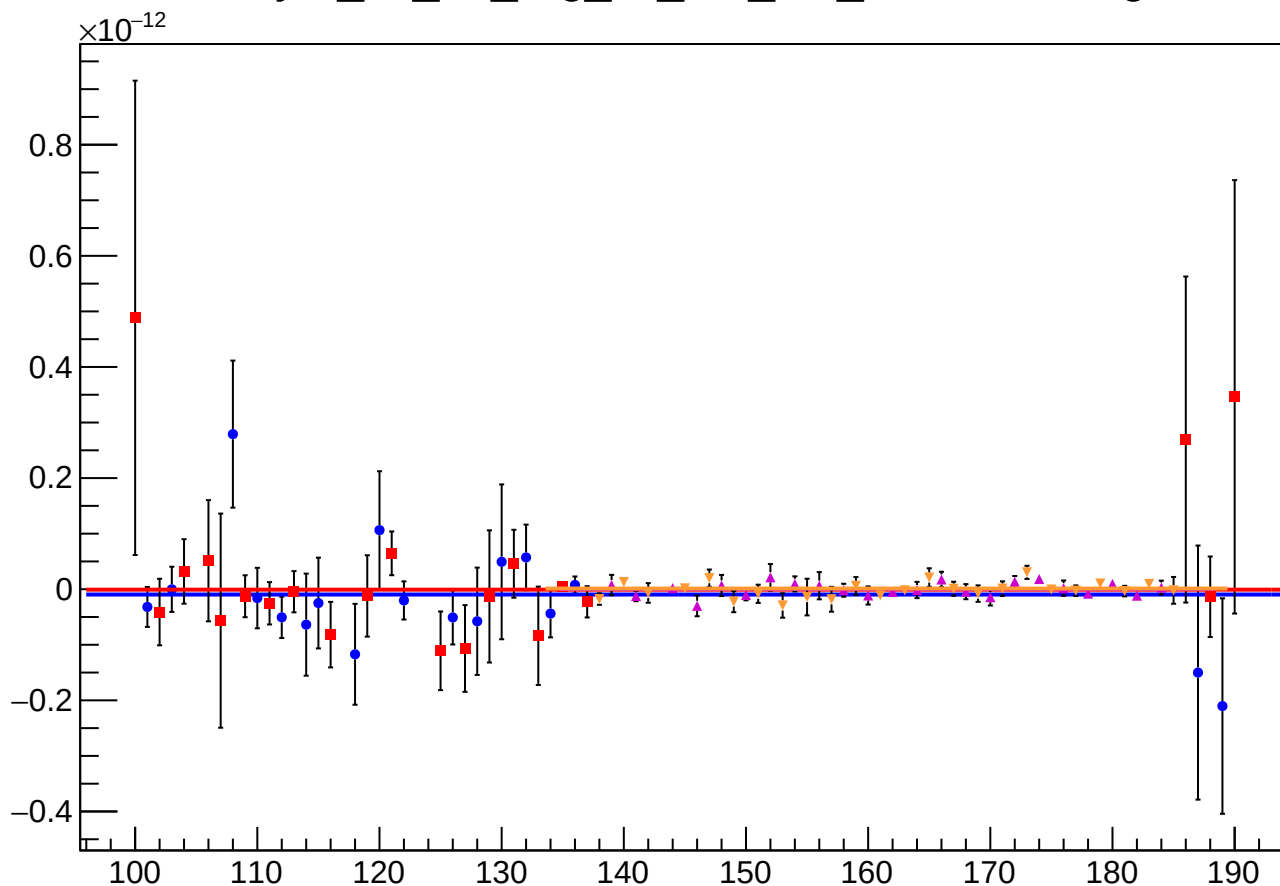
Left In: 931.562 ± 0.154 $\chi^2/\text{NDF}: 48916.1/22$

+ sign 972.454 ± 0.135 $\chi^2/\text{NDF}: 970200.3/41$

All: 978.462 ± 0.095 $\chi^2/\text{NDF}: 2671367.7/85$

- sign 984.500 ± 0.135 $\chi^2/\text{NDF}: 1697187.5/43$

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.3/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.7/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.0/20

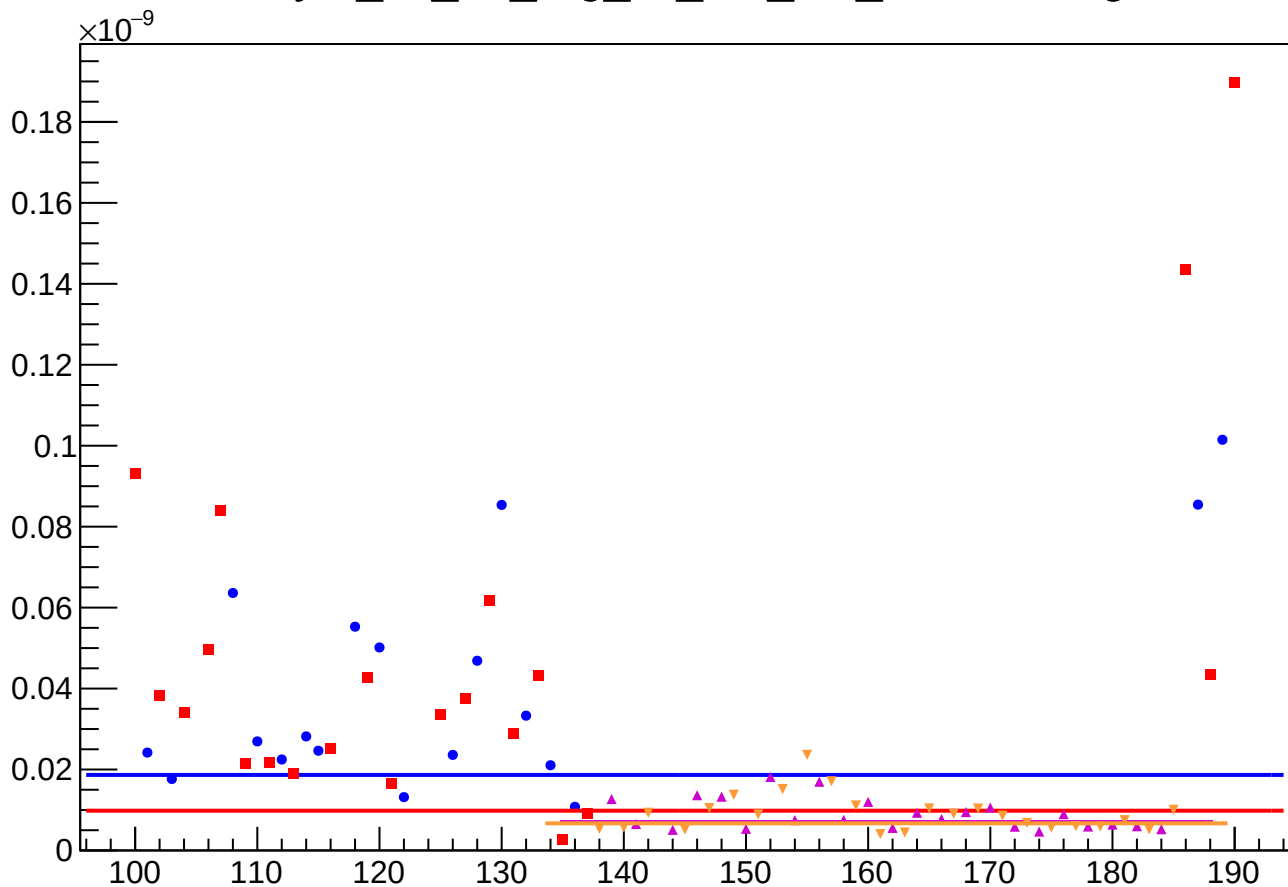
Left In: 0.000 ± 0.000 χ^2/NDF : 22.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 42.1/41

All: 0.000 ± 0.000 χ^2/NDF : 80.2/85

- sign 0.000 ± 0.000 χ^2/NDF : 38.1/43

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2780481.1/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 2928195.0/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 6419088.4/20

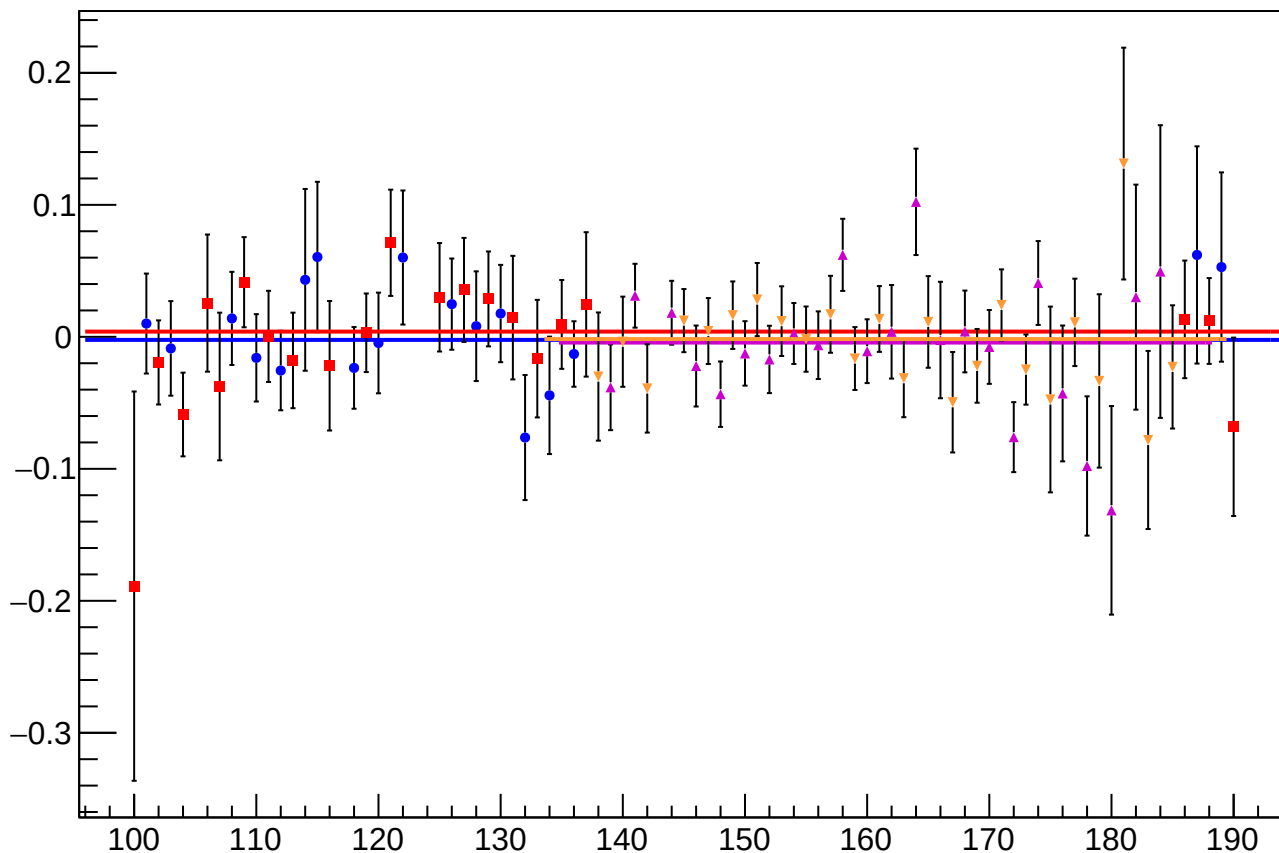
Left In: 0.000 ± 0.000 χ^2/NDF : 2443418.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 8322027.2/41

All: 0.000 ± 0.000 χ^2/NDF : 17455526.4/85

- sign 0.000 ± 0.000 χ^2/NDF : 9133387.1/43

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.009 χ^2/NDF : 10.4/17

Left Out: -0.002 ± 0.006 χ^2/NDF : 14.6/23

Right Out: 0.004 ± 0.009 χ^2/NDF : 14.7/20

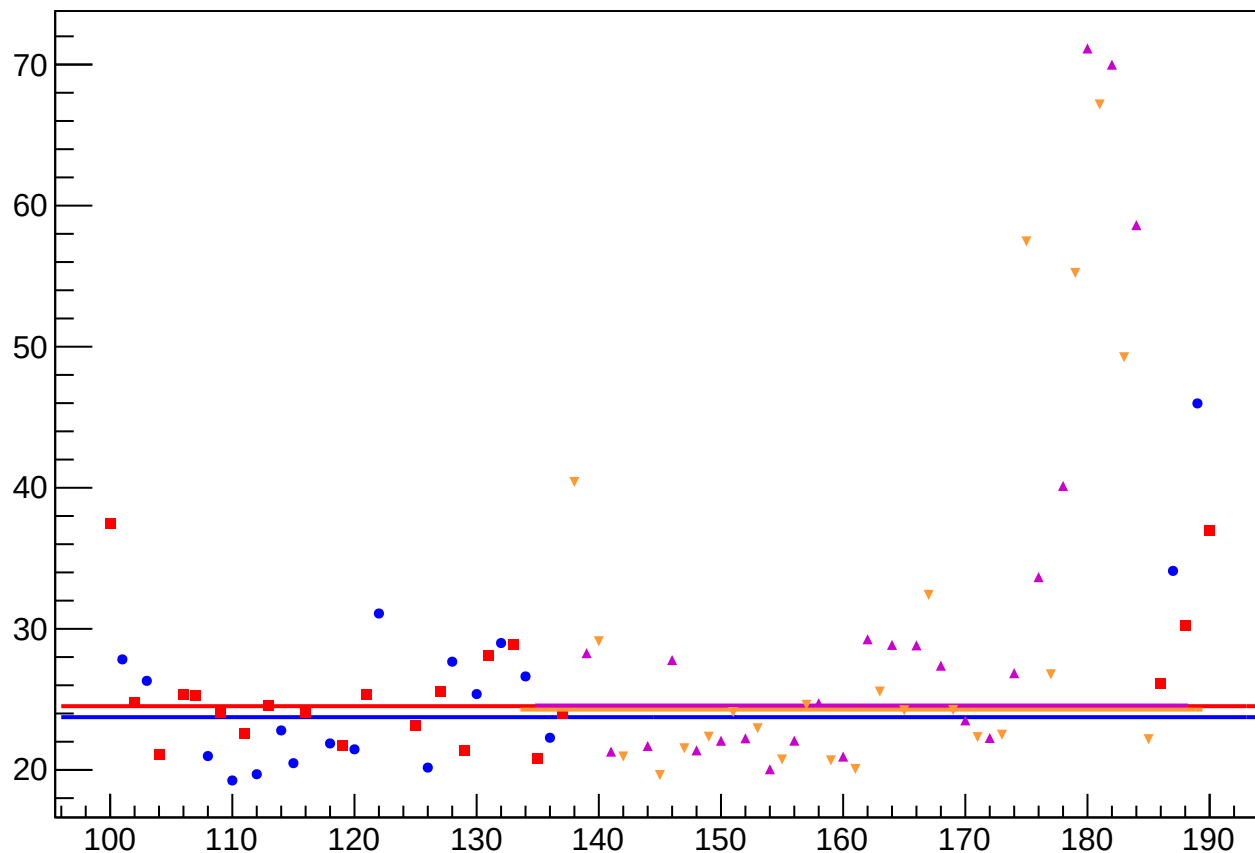
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.002 ± 0.005 χ^2/NDF : 25.1/41

All: -0.002 ± 0.004 χ^2/NDF : 76.9/85

- sign -0.001 ± 0.005 χ^2/NDF : 51.9/43

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.740 $\pm$ 0.006 χ^2 /NDF: 489196.4/17

Left Out: 24.275 $\pm$ 0.004 χ^2 /NDF: 2310679.0/23

Right Out: 24.519 $\pm$ 0.006 χ^2 /NDF: 273093.1/20

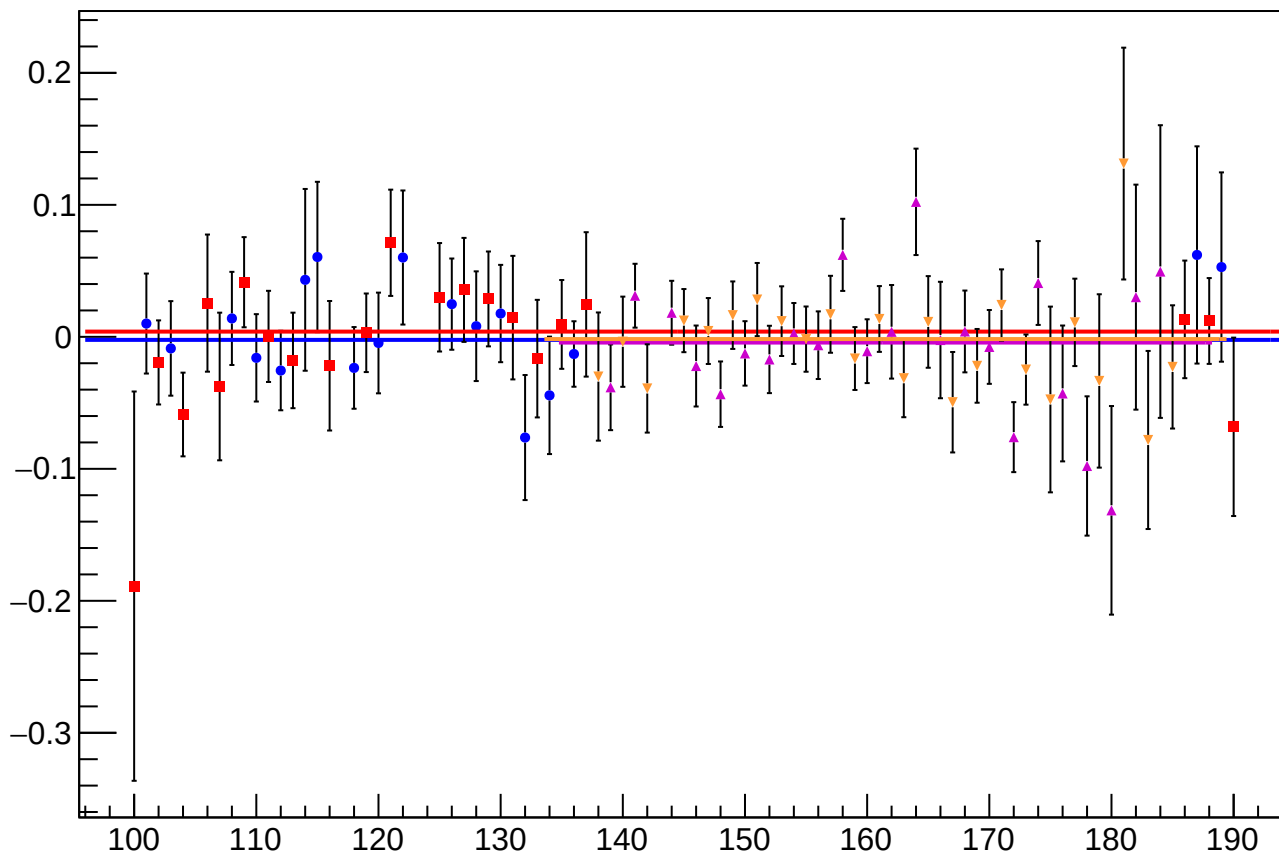
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 2132914.4/22

+ sign 24.101 $\pm$ 0.004 χ^2 /NDF: 2804500.6/41

All: 24.327 $\pm$ 0.003 χ^2 /NDF: 5218025.2/85

- sign 24.549 $\pm$ 0.004 χ^2 /NDF: 2406043.9/43

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.009 χ^2/NDF : 10.4/17

Left Out: -0.002 ± 0.006 χ^2/NDF : 14.6/23

Right Out: 0.004 ± 0.009 χ^2/NDF : 14.7/20

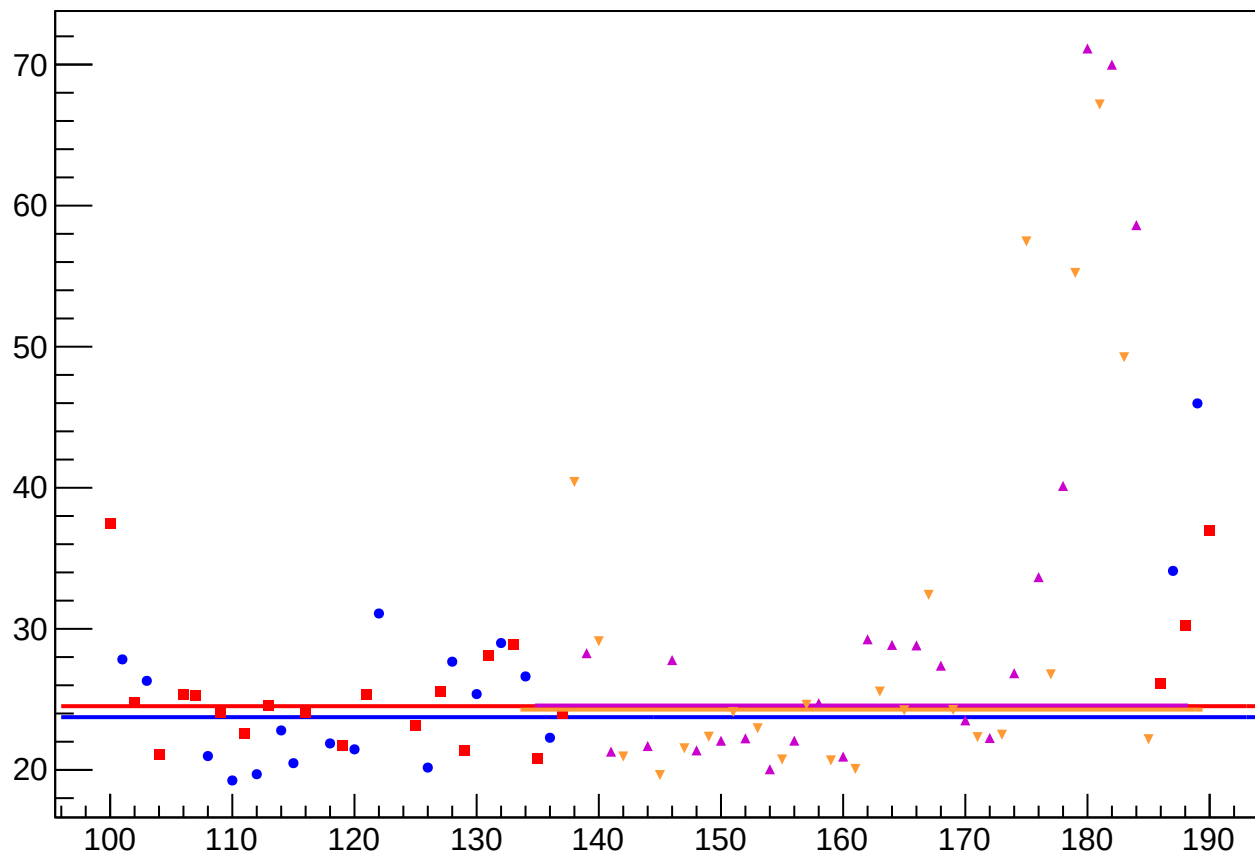
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.002 ± 0.005 χ^2/NDF : 25.1/41

All: -0.002 ± 0.004 χ^2/NDF : 76.9/85

- sign -0.001 ± 0.005 χ^2/NDF : 51.9/43

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.740 $\pm$ 0.006 χ^2 /NDF: 489196.4/17

Left Out: 24.275 $\pm$ 0.004 χ^2 /NDF: 2310679.0/23

Right Out: 24.519 $\pm$ 0.006 χ^2 /NDF: 273093.1/20

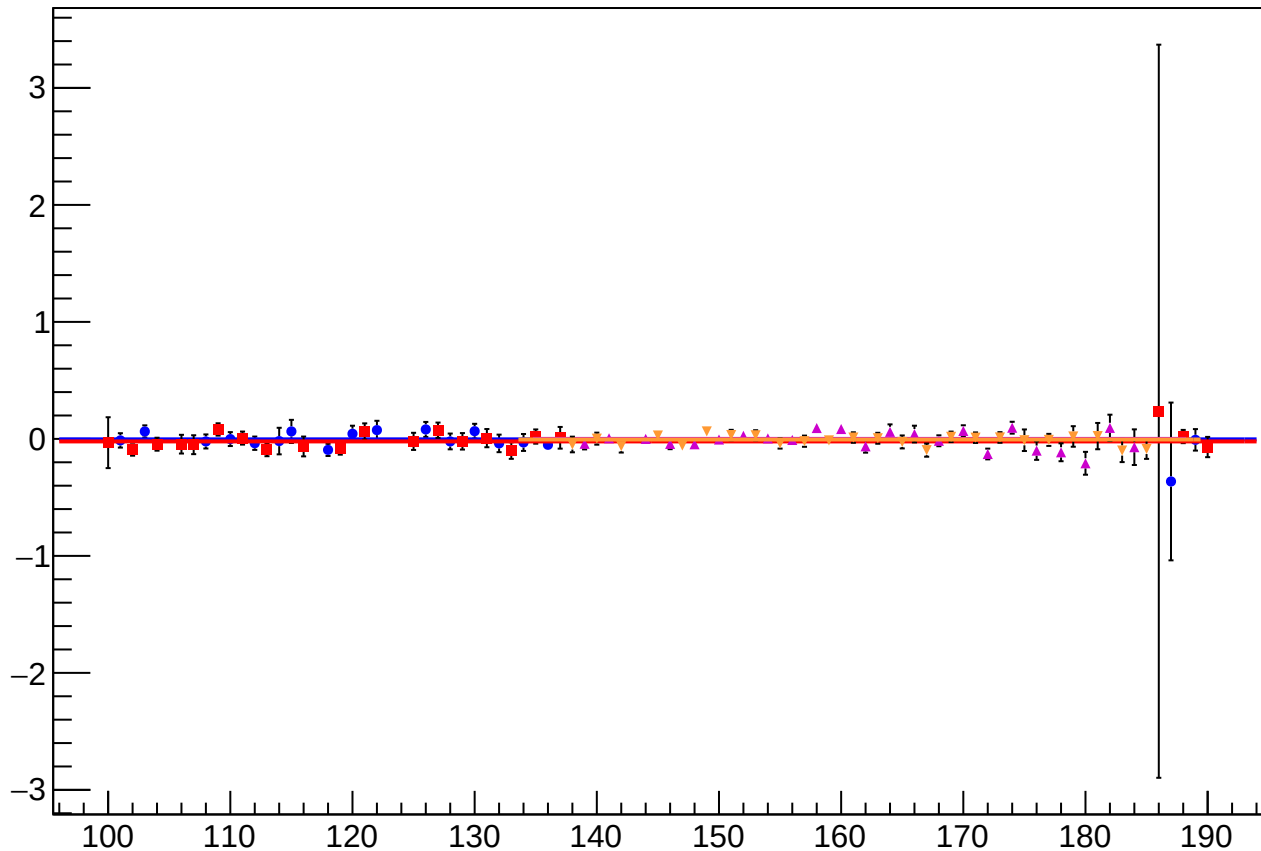
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 2132914.4/22

+ sign 24.101 $\pm$ 0.004 χ^2 /NDF: 2804500.6/41

All: 24.327 $\pm$ 0.003 χ^2 /NDF: 5218025.2/85

- sign 24.549 $\pm$ 0.004 χ^2 /NDF: 2406043.9/43

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004 ± 0.016 χ^2/NDF : 11.9/17

Left Out: -0.005 ± 0.010 χ^2/NDF : 13.9/23

Right Out: -0.022 ± 0.015 χ^2/NDF : 16.3/20

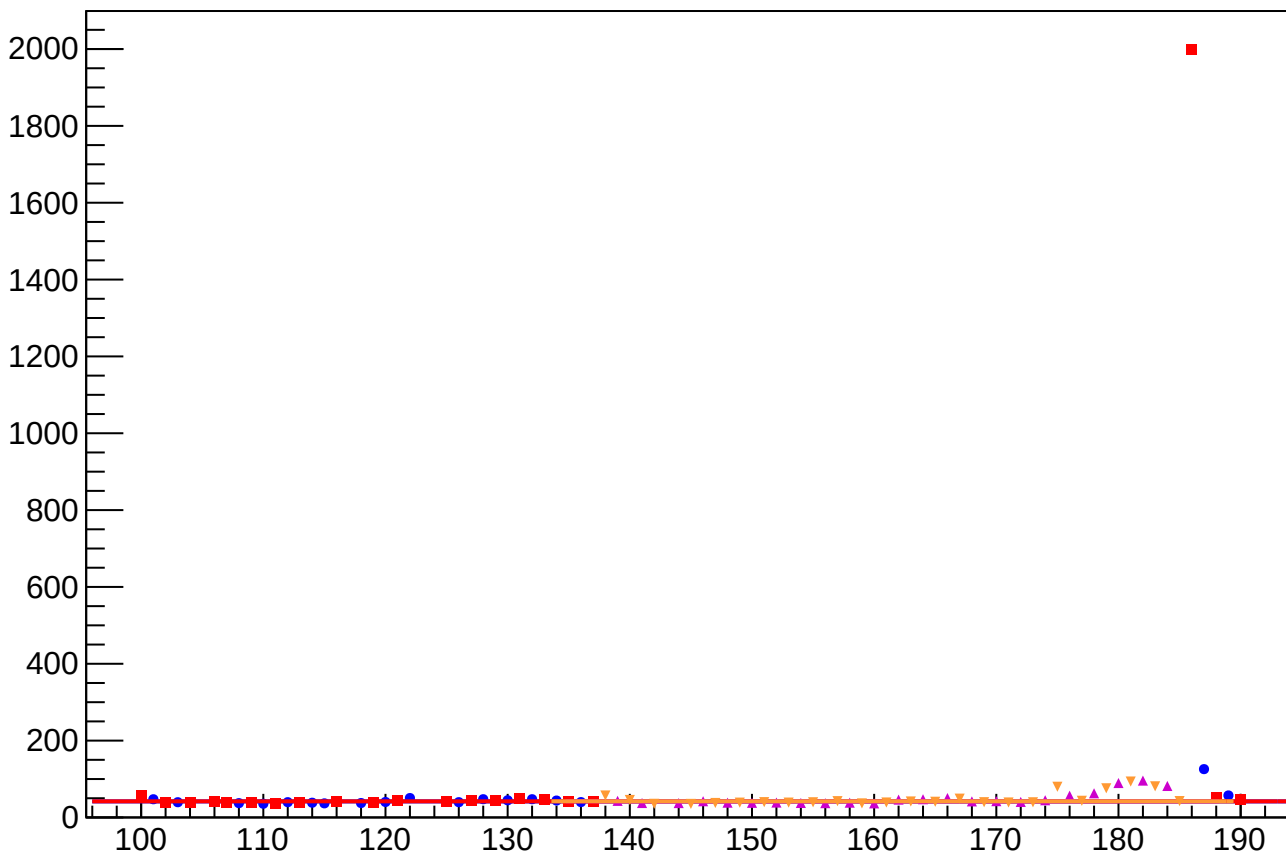
Left In: -0.000 ± 0.010 χ^2/NDF : 37.9/22

+ sign -0.005 ± 0.009 χ^2/NDF : 25.8/41

All: -0.006 ± 0.006 χ^2/NDF : 81.5/85

- sign -0.007 ± 0.008 χ^2/NDF : 55.6/43

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.744+/-0.011 χ^2/NDF : 225796.5/17

Left Out: 42.088+/-0.007 χ^2/NDF : 1716047.0/23

Right Out: 41.999+/-0.010 χ^2/NDF : 948960.1/20

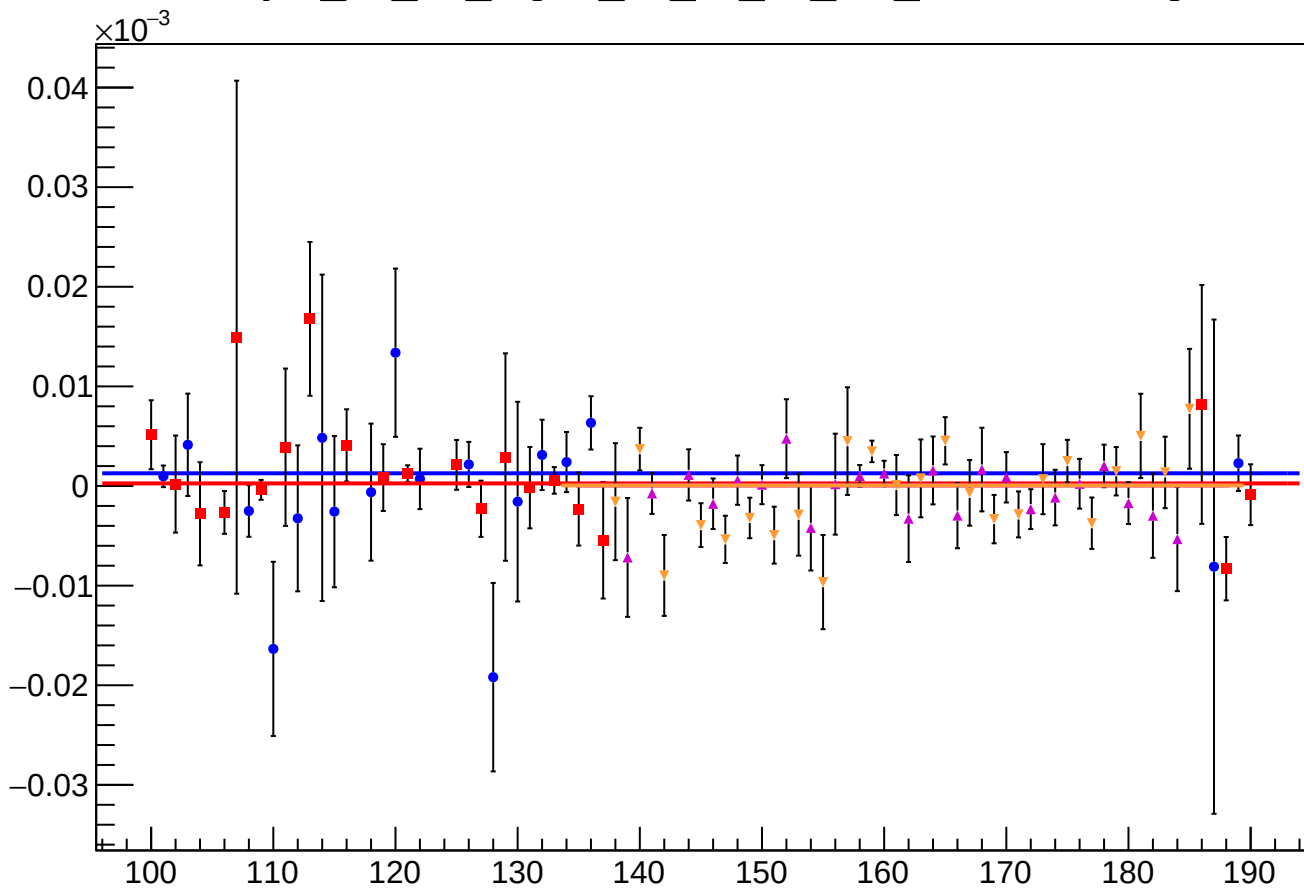
Left In: 42.078+/-0.007 χ^2/NDF : 1543505.8/22

+ sign 41.981+/-0.006 χ^2/NDF : 1942524.0/41

All: 42.017+/-0.004 χ^2/NDF : 4435094.8/85

- sign 42.052+/-0.006 χ^2/NDF : 2492503.8/43

asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:51.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.0/20

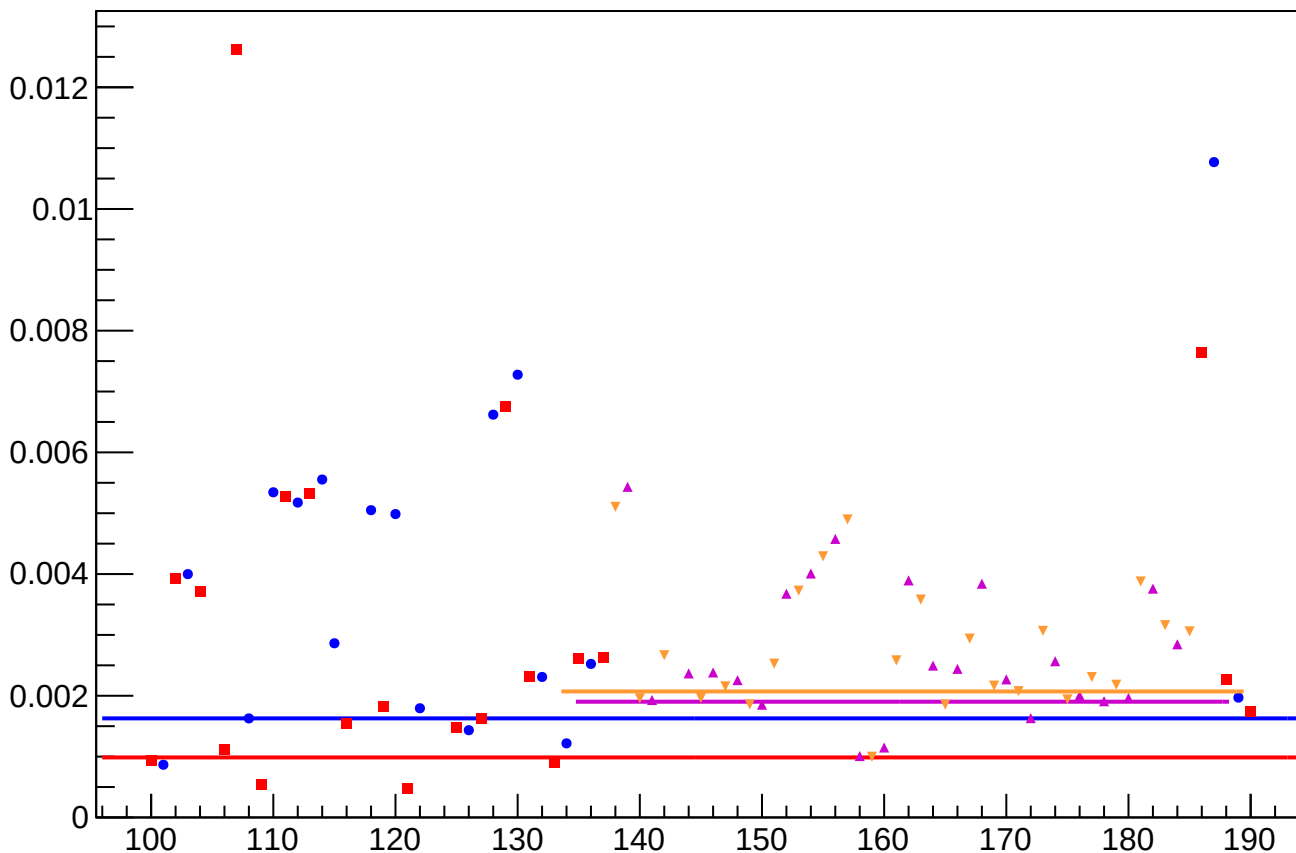
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 72.1/41

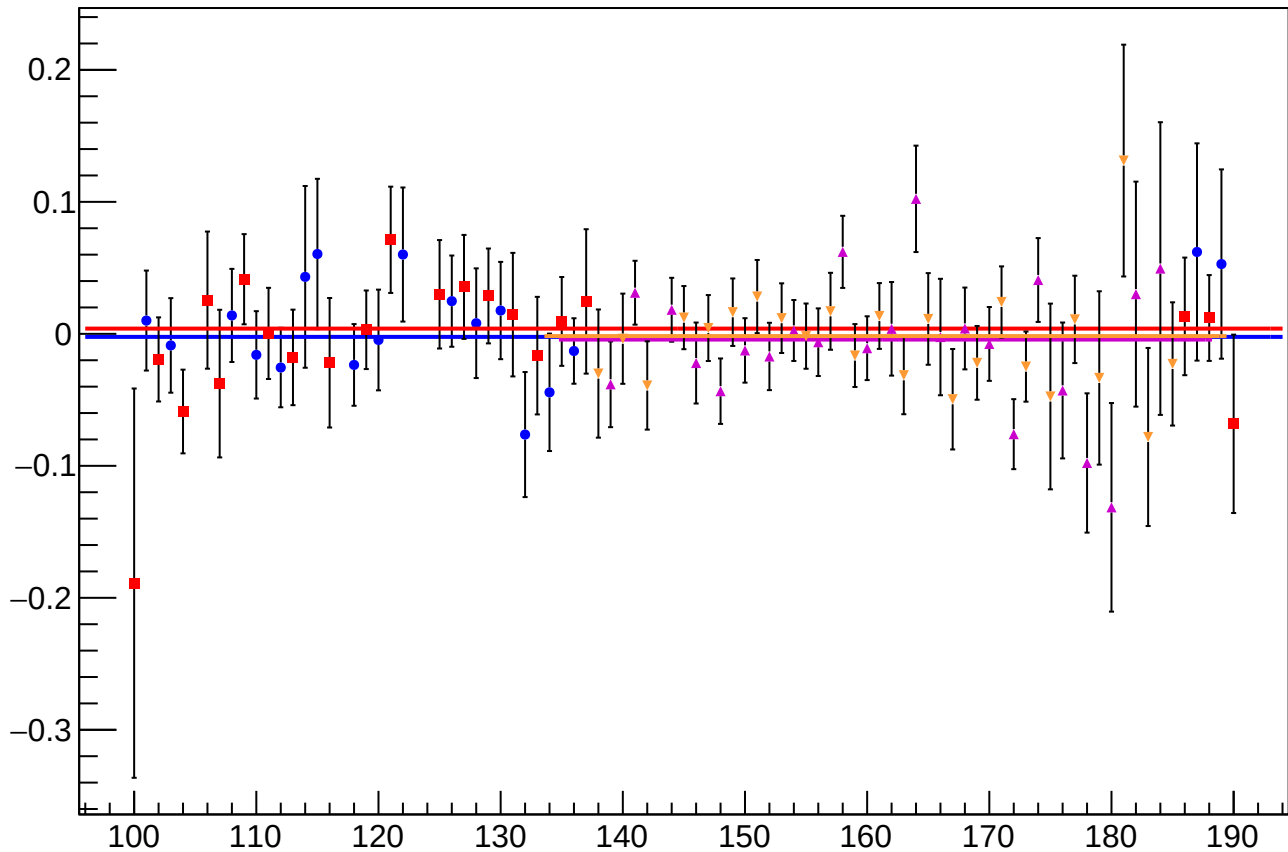
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 108.5/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.1/43

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002 ± 0.009 χ^2/NDF : 10.4/17

Left Out: -0.002 ± 0.006 χ^2/NDF : 14.6/23

Right Out: 0.004 ± 0.009 χ^2/NDF : 14.7/20

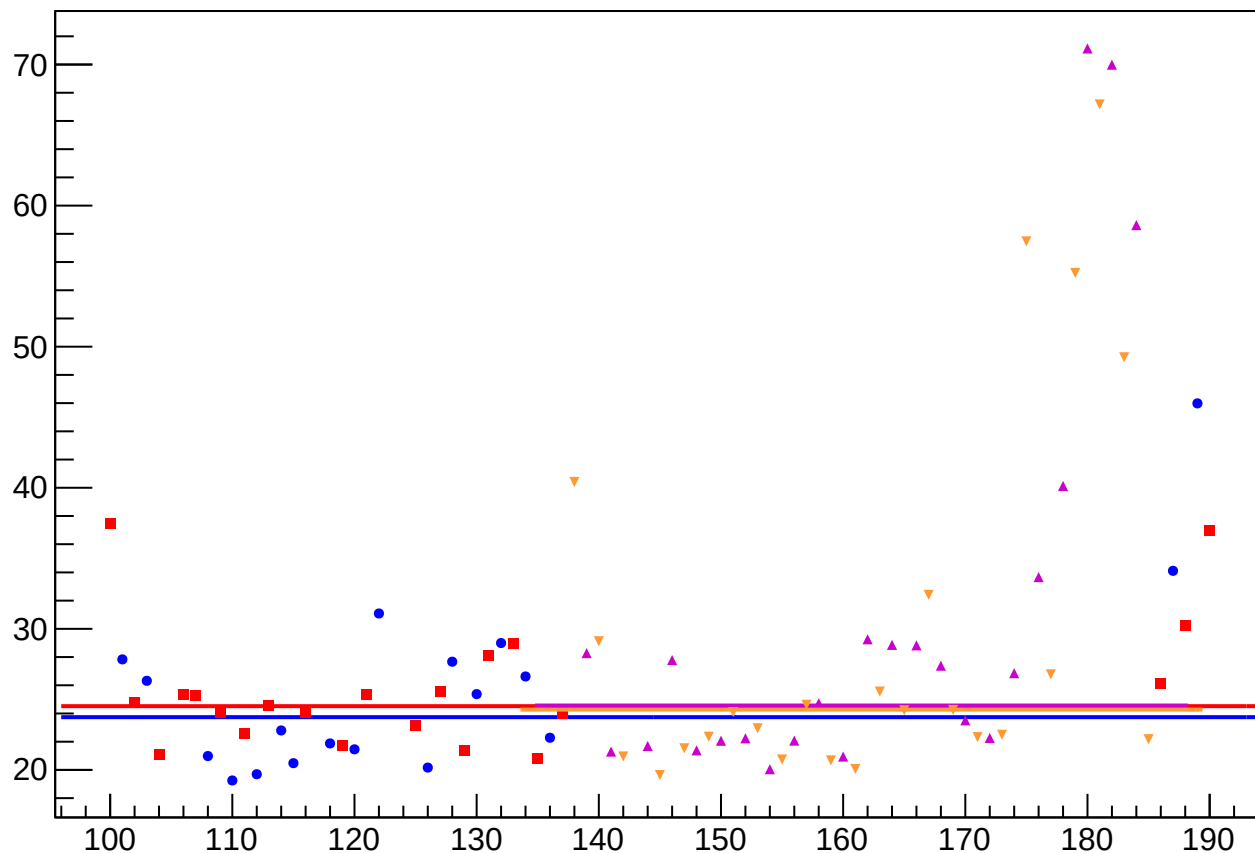
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.002 ± 0.005 χ^2/NDF : 25.1/41

All: -0.002 ± 0.004 χ^2/NDF : 76.9/85

- sign -0.001 ± 0.005 χ^2/NDF : 51.9/43

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.739 $\pm$ 0.006 χ^2 /NDF: 489224.5/17

Left Out: 24.275 $\pm$ 0.004 χ^2 /NDF: 2310684.7/23

Right Out: 24.519 $\pm$ 0.006 χ^2 /NDF: 273043.9/20

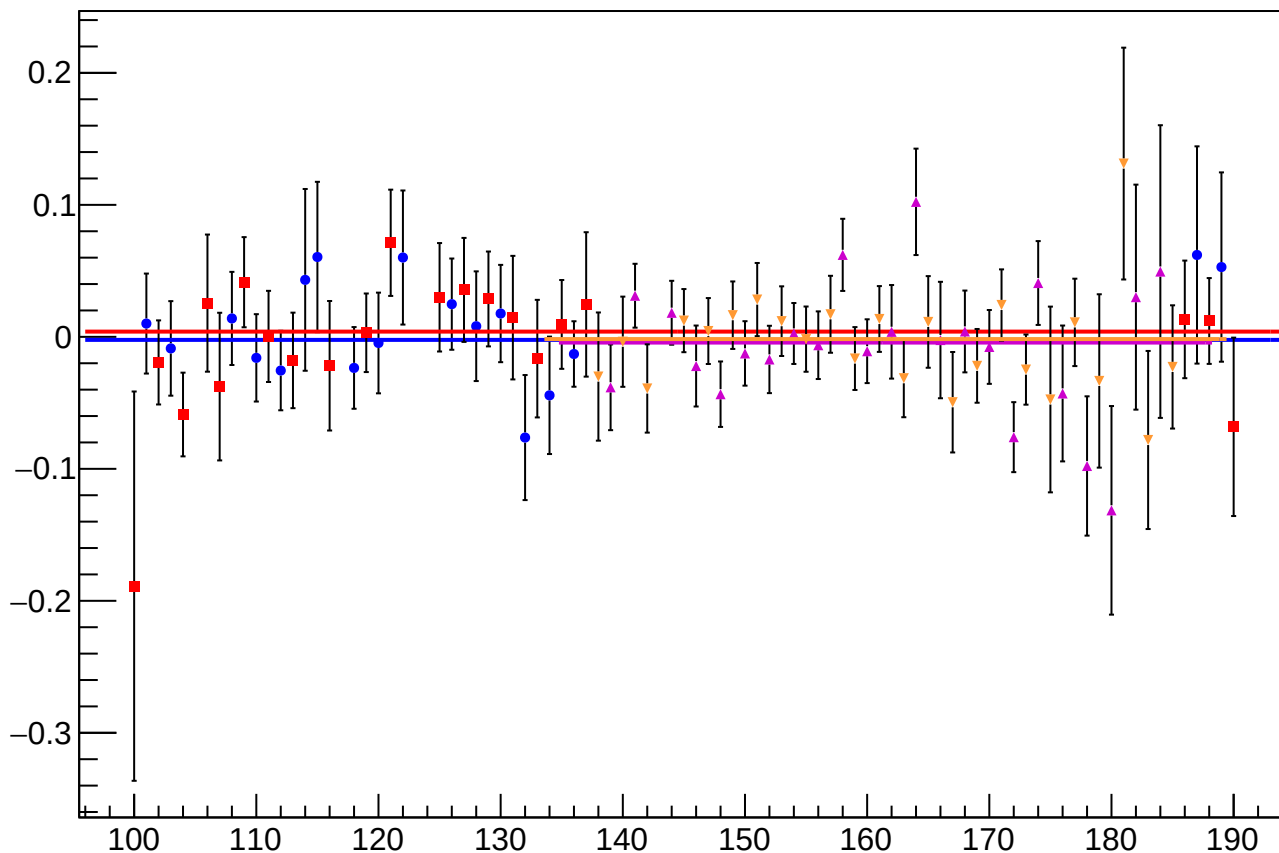
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 2132779.0/22

+ sign 24.100 $\pm$ 0.004 χ^2 /NDF: 2804546.3/41

All: 24.327 $\pm$ 0.003 χ^2 /NDF: 5217901.6/85

- sign 24.549 $\pm$ 0.004 χ^2 /NDF: 2405859.4/43

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002 ± 0.009 χ^2/NDF : 10.4/17

Left Out: -0.002 ± 0.006 χ^2/NDF : 14.6/23

Right Out: 0.004 ± 0.009 χ^2/NDF : 14.7/20

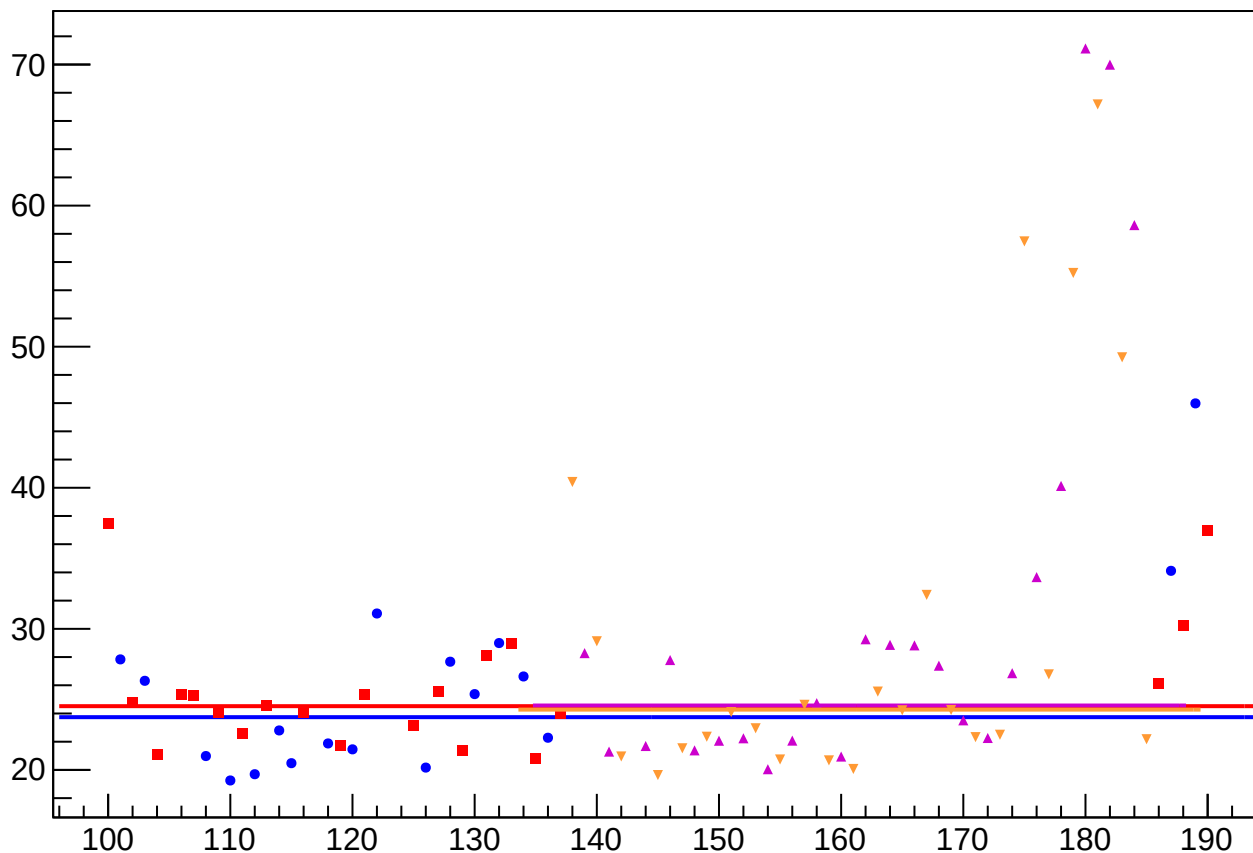
Left In: -0.004 ± 0.006 χ^2/NDF : 36.5/22

+ sign -0.002 ± 0.005 χ^2/NDF : 25.1/41

All: -0.002 ± 0.004 χ^2/NDF : 76.9/85

- sign -0.001 ± 0.005 χ^2/NDF : 51.9/43

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.739 $\pm$ 0.006 χ^2 /NDF: 489224.5/17

Left Out: 24.275 $\pm$ 0.004 χ^2 /NDF: 2310684.7/23

Right Out: 24.519 $\pm$ 0.006 χ^2 /NDF: 273043.9/20

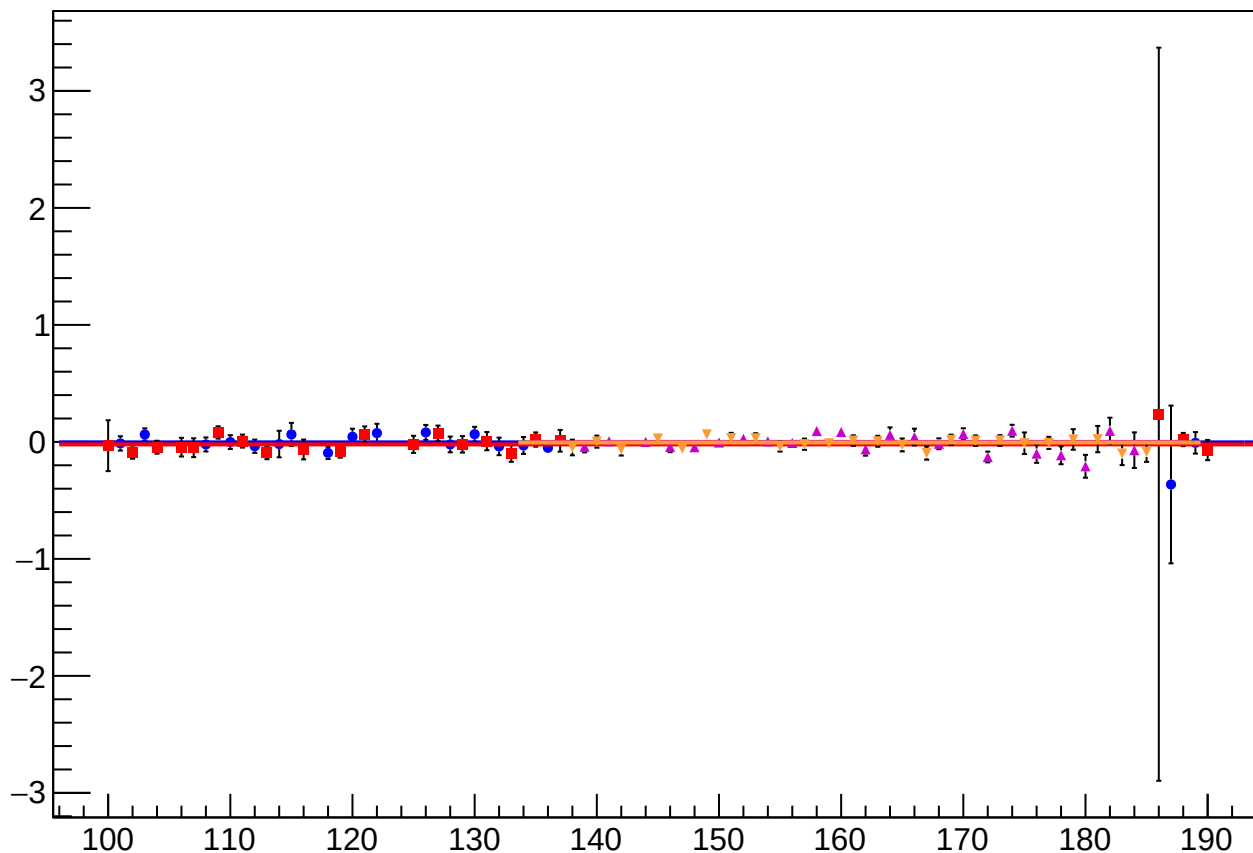
Left In: 24.565 $\pm$ 0.005 χ^2 /NDF: 2132779.0/22

+ sign 24.100 $\pm$ 0.004 χ^2 /NDF: 2804546.3/41

All: 24.327 $\pm$ 0.003 χ^2 /NDF: 5217901.6/85

- sign 24.549 $\pm$ 0.004 χ^2 /NDF: 2405859.4/43

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004 ± 0.016 χ^2/NDF : 11.9/17

Left Out: -0.005 ± 0.010 χ^2/NDF : 13.9/23

Right Out: -0.022 ± 0.015 χ^2/NDF : 16.3/20

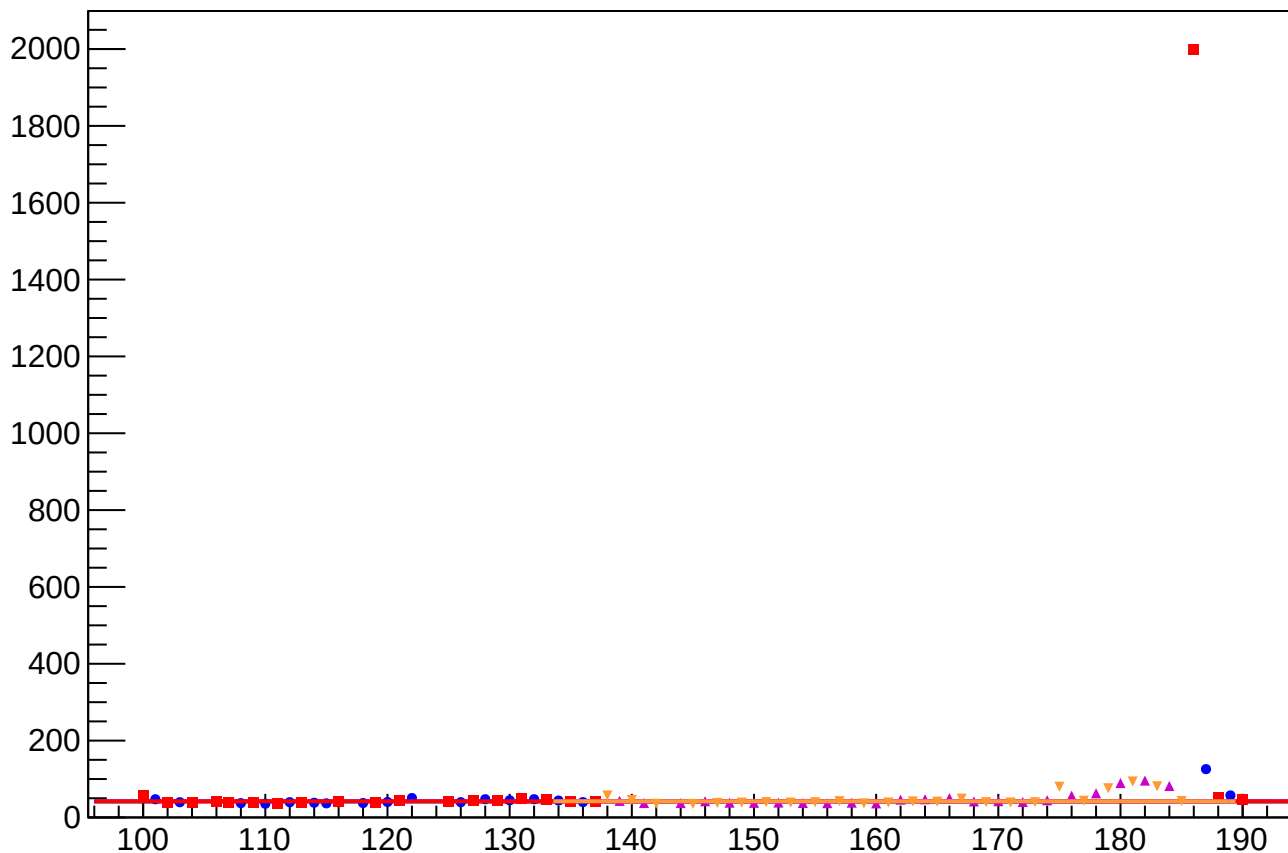
Left In: -0.000 ± 0.010 χ^2/NDF : 37.9/22

+ sign -0.005 ± 0.009 χ^2/NDF : 25.8/41

All: -0.006 ± 0.006 χ^2/NDF : 81.5/85

- sign -0.007 ± 0.008 χ^2/NDF : 55.6/43

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.744 $\pm$ 0.011 χ^2 /NDF: 225777.2/17

Left Out: 42.088 $\pm$ 0.007 χ^2 /NDF: 1716037.6/23

Right Out: 41.999 $\pm$ 0.010 χ^2 /NDF: 948950.2/20

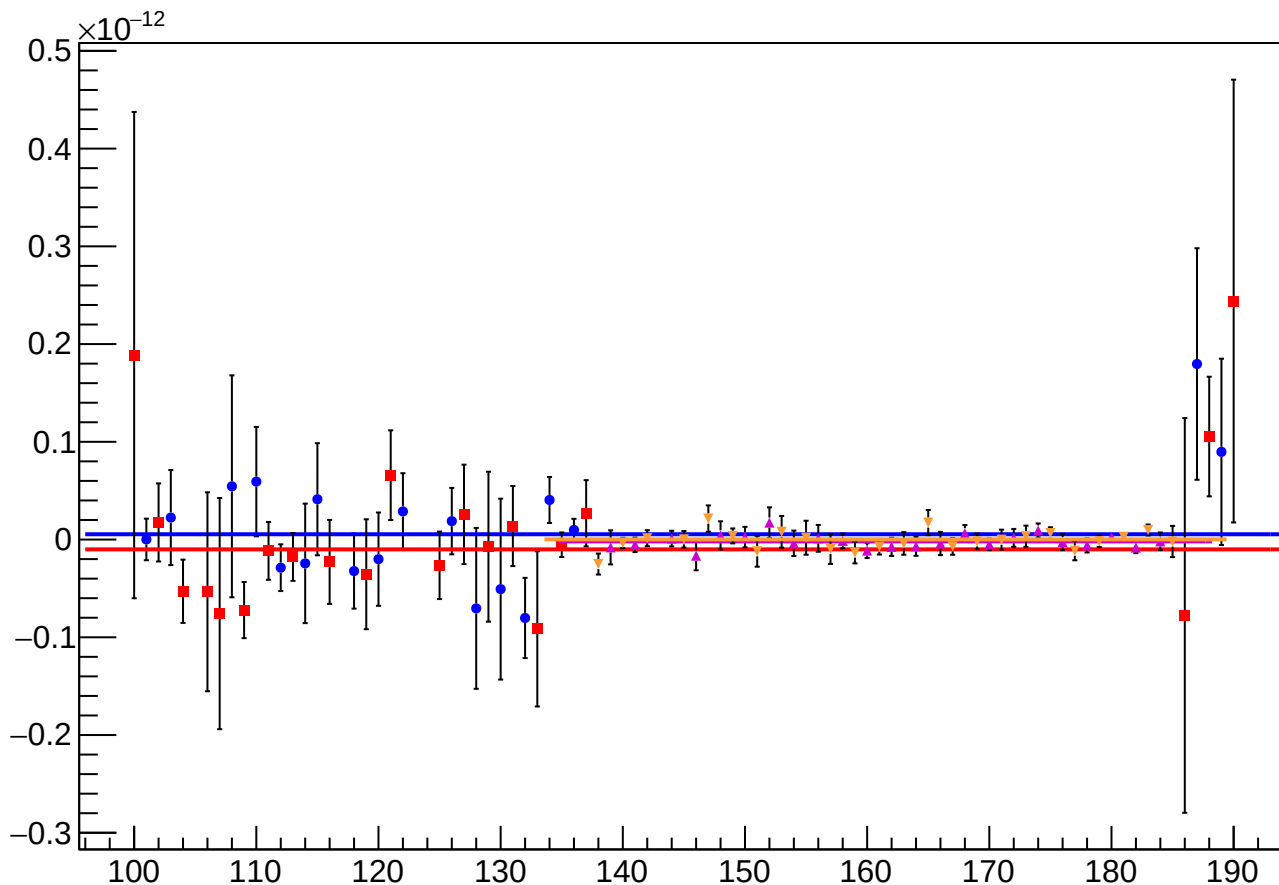
Left In: 42.078 $\pm$ 0.007 χ^2 /NDF: 1543481.3/22

+ sign 41.981 $\pm$ 0.006 χ^2 /NDF: 1942496.4/41

All: 42.017 $\pm$ 0.004 χ^2 /NDF: 4435033.3/85

- sign 42.052 $\pm$ 0.006 χ^2 /NDF: 2492469.6/43

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/20

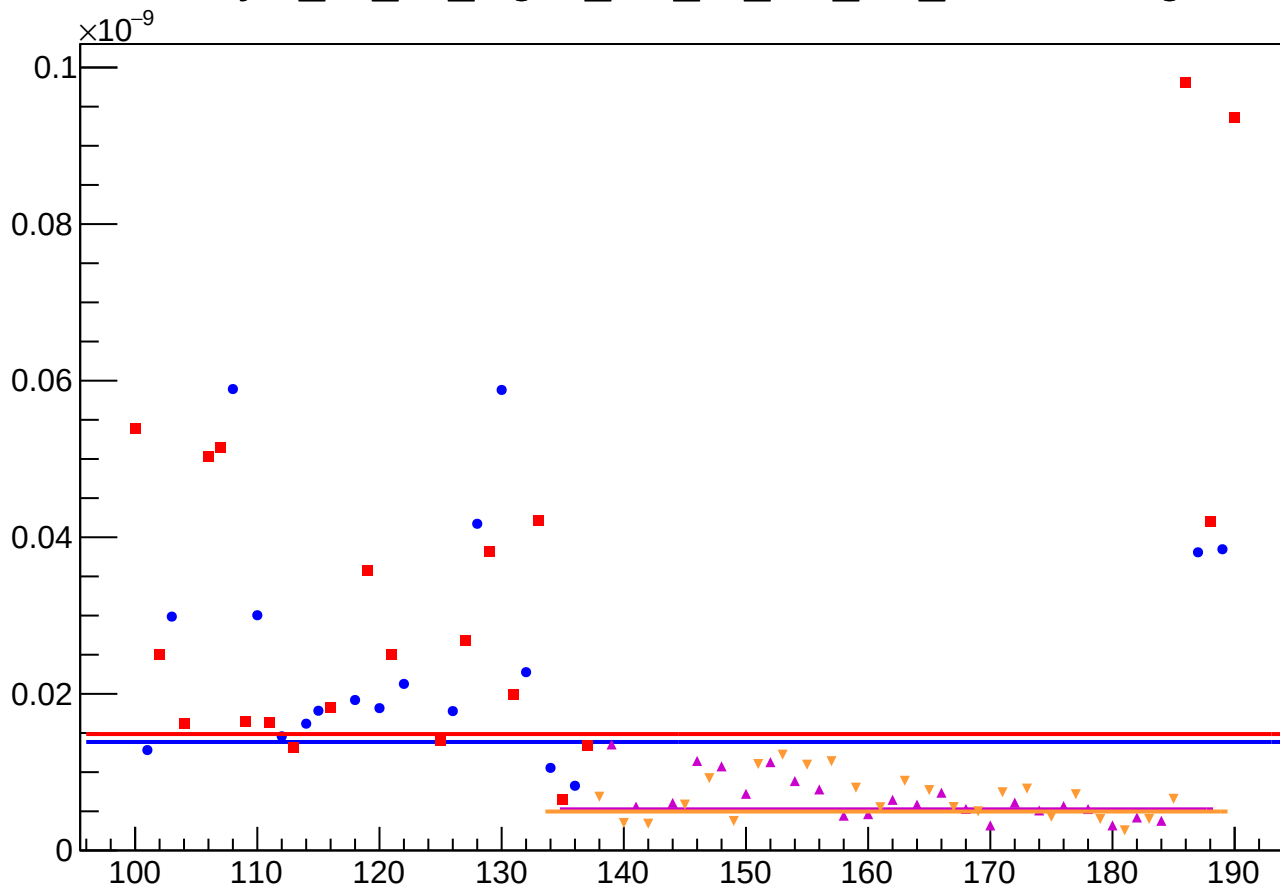
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:11.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.3/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 72.0/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 32.3/43

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2407765.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3536964.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3459717.0/20

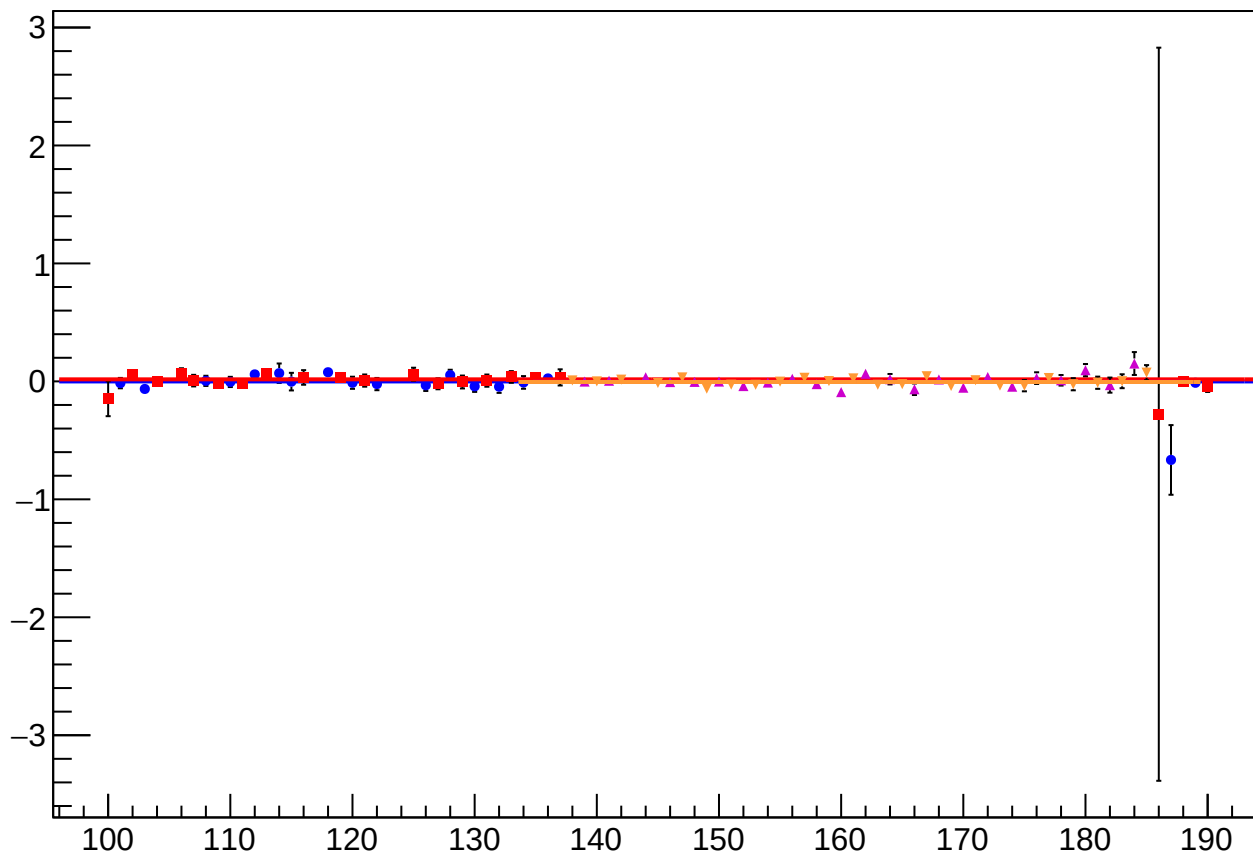
Left In: 0.000+/-0.000 χ^2/NDF : 2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 8728077.3/41

All: 0.000+/-0.000 χ^2/NDF : 17795708.7/85

- sign 0.000+/-0.000 χ^2/NDF : 9034006.1/43

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.011 χ^2/NDF : 20.5/17

Left Out: -0.005 ± 0.007 χ^2/NDF : 16.7/23

Right Out: 0.017 ± 0.010 χ^2/NDF : 11.0/20

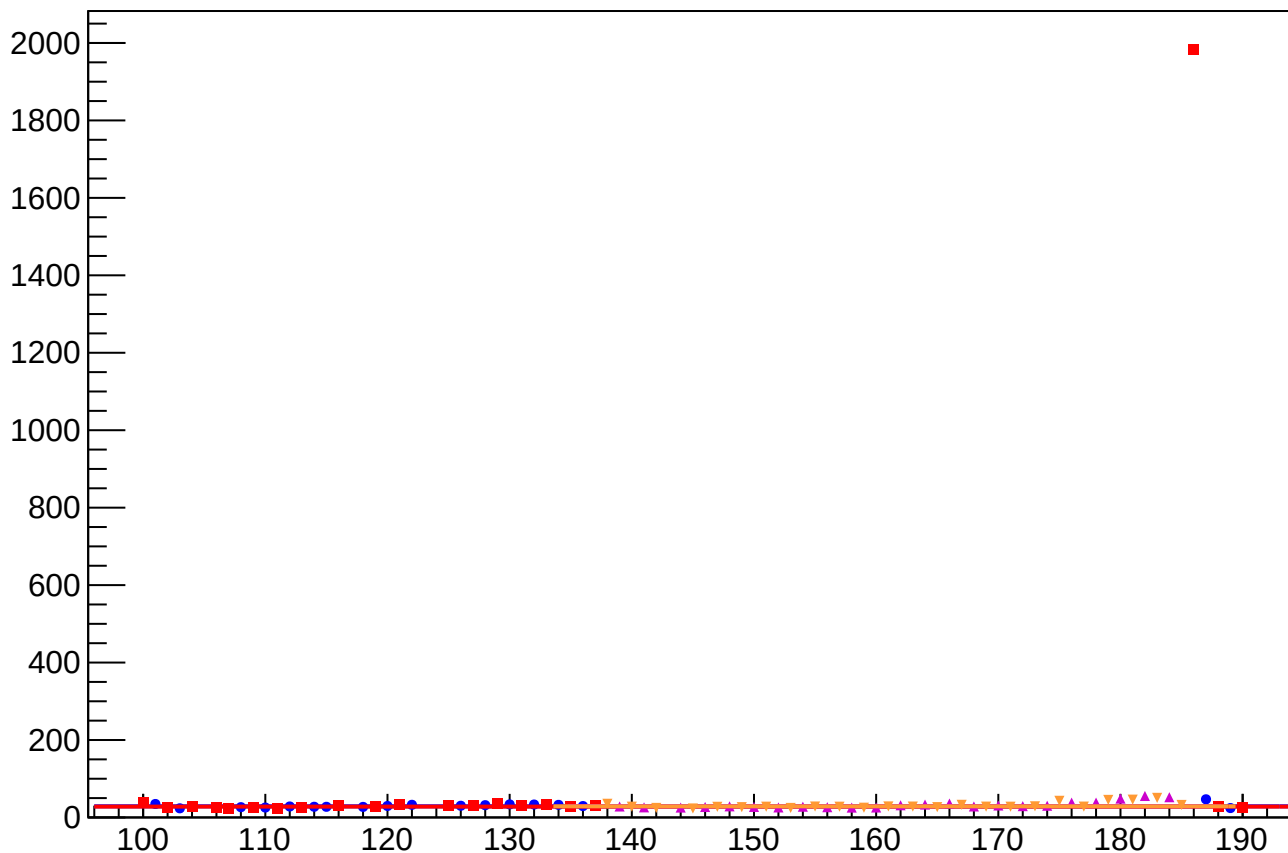
Left In: -0.004 ± 0.007 χ^2/NDF : 31.2/22

+ sign -0.004 ± 0.006 χ^2/NDF : 37.3/41

All: -0.000 ± 0.004 χ^2/NDF : 83.2/85

- sign 0.003 ± 0.006 χ^2/NDF : 45.2/43

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 28.809 $\pm$ 0.008 χ^2 /NDF: 212358.8/17

Left Out: 28.781 $\pm$ 0.005 χ^2 /NDF: 1170605.8/23

Right Out: 28.017 $\pm$ 0.007 χ^2 /NDF: 981559.6/20

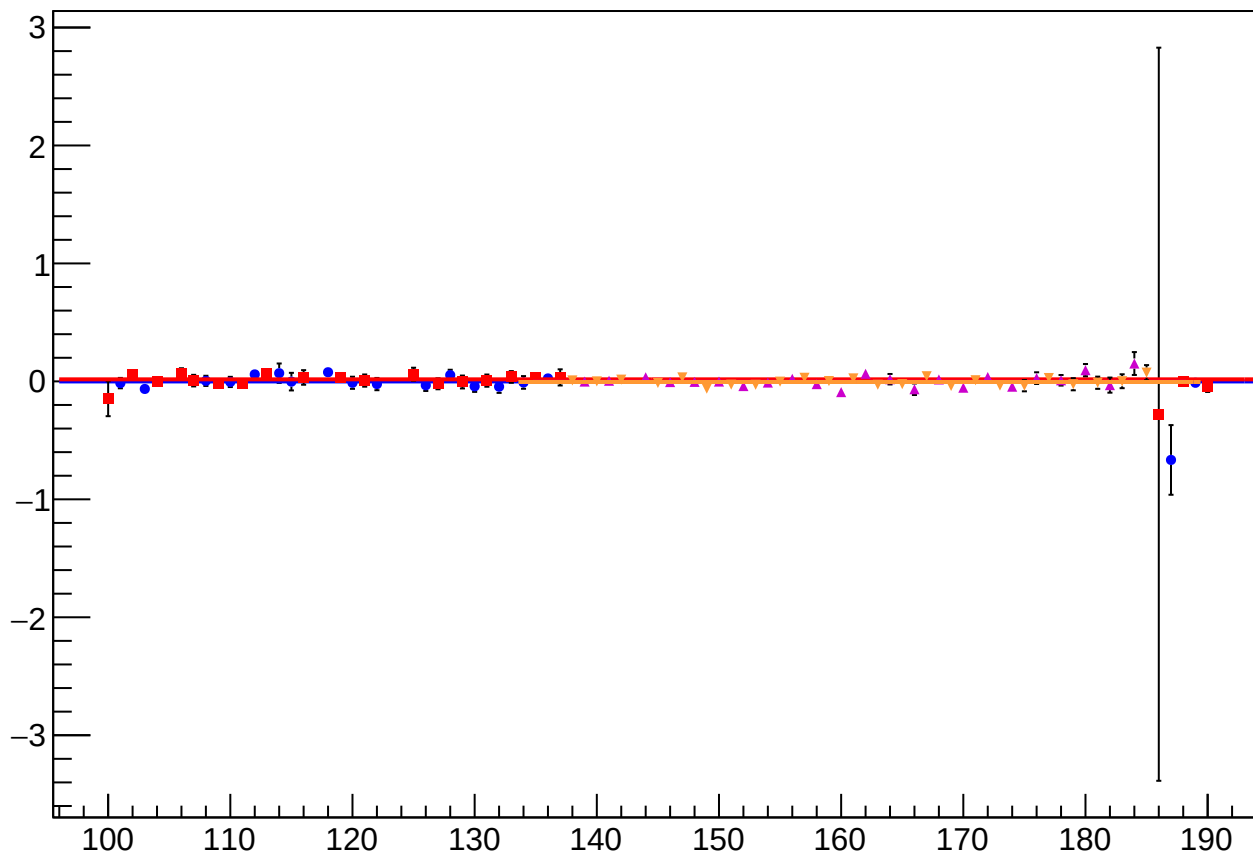
Left In: 29.255 $\pm$ 0.005 χ^2 /NDF: 1140337.0/22

+ sign 28.790 $\pm$ 0.004 χ^2 /NDF: 1382973.9/41

All: 28.813 $\pm$ 0.003 χ^2 /NDF: 3525048.0/85

- sign 28.836 $\pm$ 0.004 χ^2 /NDF: 2142011.8/43

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.011 χ^2/NDF : 20.5/17

Left Out: -0.005 ± 0.007 χ^2/NDF : 16.7/23

Right Out: 0.017 ± 0.010 χ^2/NDF : 11.0/20

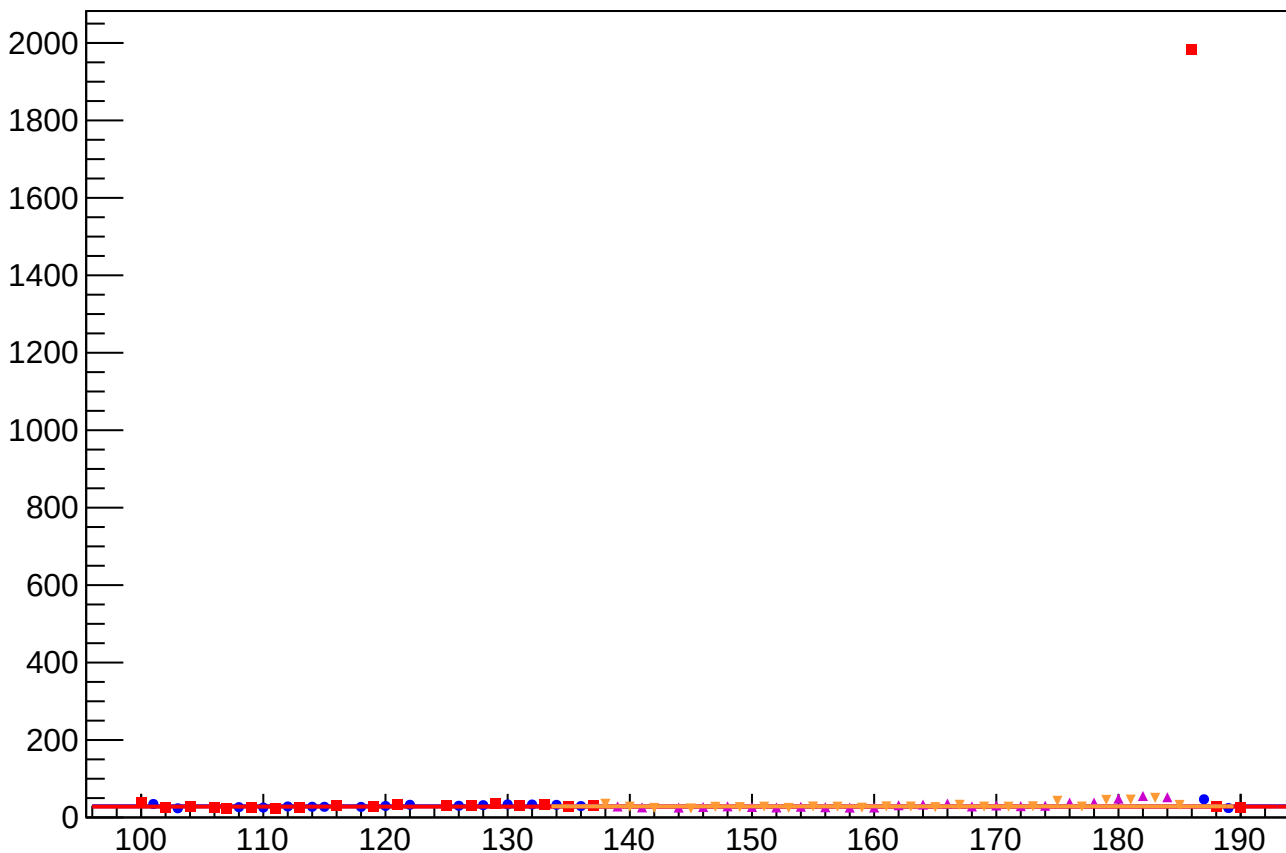
Left In: -0.004 ± 0.007 χ^2/NDF : 31.2/22

+ sign -0.004 ± 0.006 χ^2/NDF : 37.3/41

All: -0.000 ± 0.004 χ^2/NDF : 83.2/85

- sign 0.003 ± 0.006 χ^2/NDF : 45.2/43

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 28.809 $\pm$ 0.008 χ^2 /NDF: 212358.8/17

Left Out: 28.781 $\pm$ 0.005 χ^2 /NDF: 1170605.8/23

Right Out: 28.017 $\pm$ 0.007 χ^2 /NDF: 981559.6/20

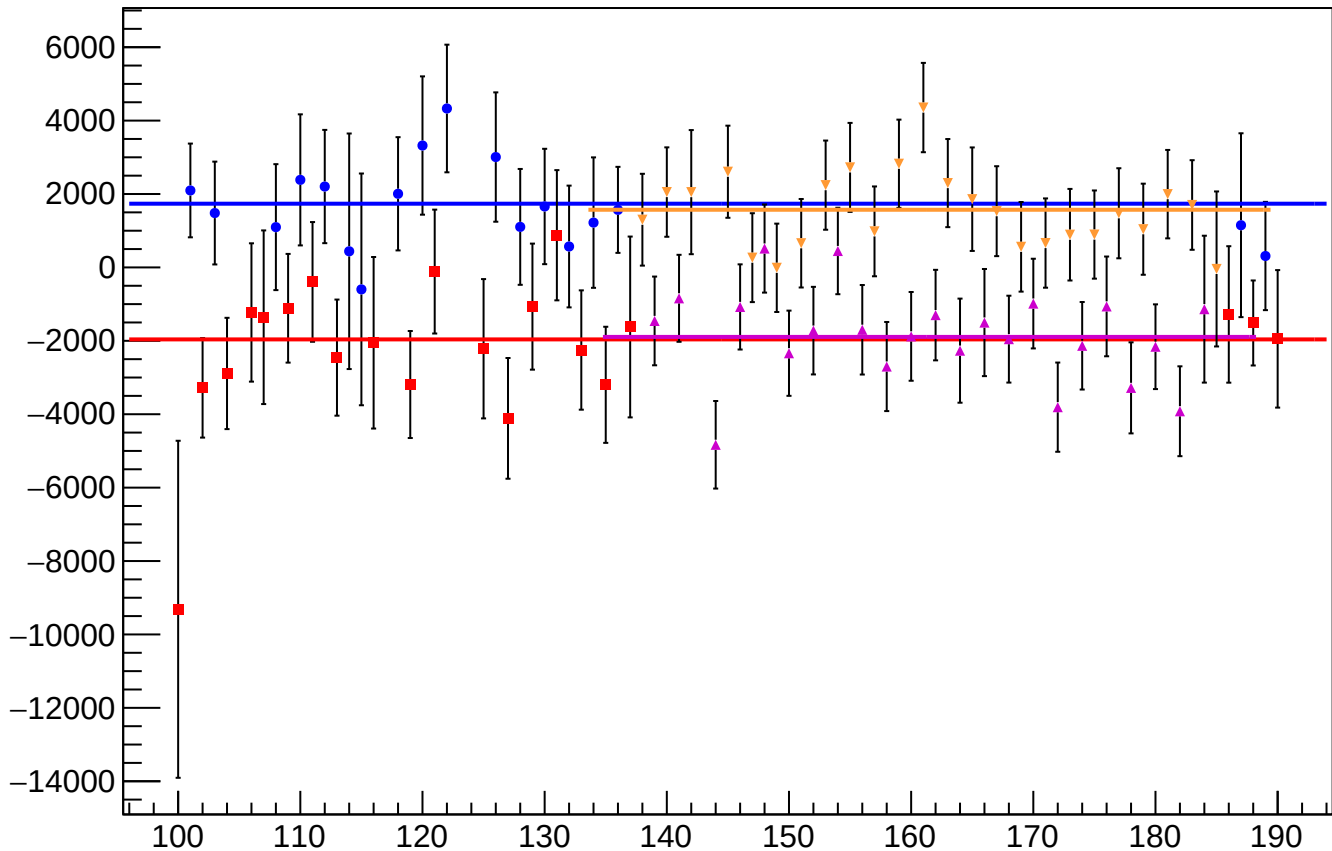
Left In: 29.255 $\pm$ 0.005 χ^2 /NDF: 1140337.0/22

+ sign 28.790 $\pm$ 0.004 χ^2 /NDF: 1382973.9/41

All: 28.813 $\pm$ 0.003 χ^2 /NDF: 3525048.0/85

- sign 28.836 $\pm$ 0.004 χ^2 /NDF: 2142011.8/43

reg_asym_usl_mean vs Slug



Right In: 1736.014 $\pm$ 389.789 χ^2 /NDF: 6.4/17

Left Out: 1571.055 $\pm$ 256.536 χ^2 /NDF:15.4/23

Right Out: -1961.287 $\pm$ 370.352 χ^2 /NDF: 12.9/20

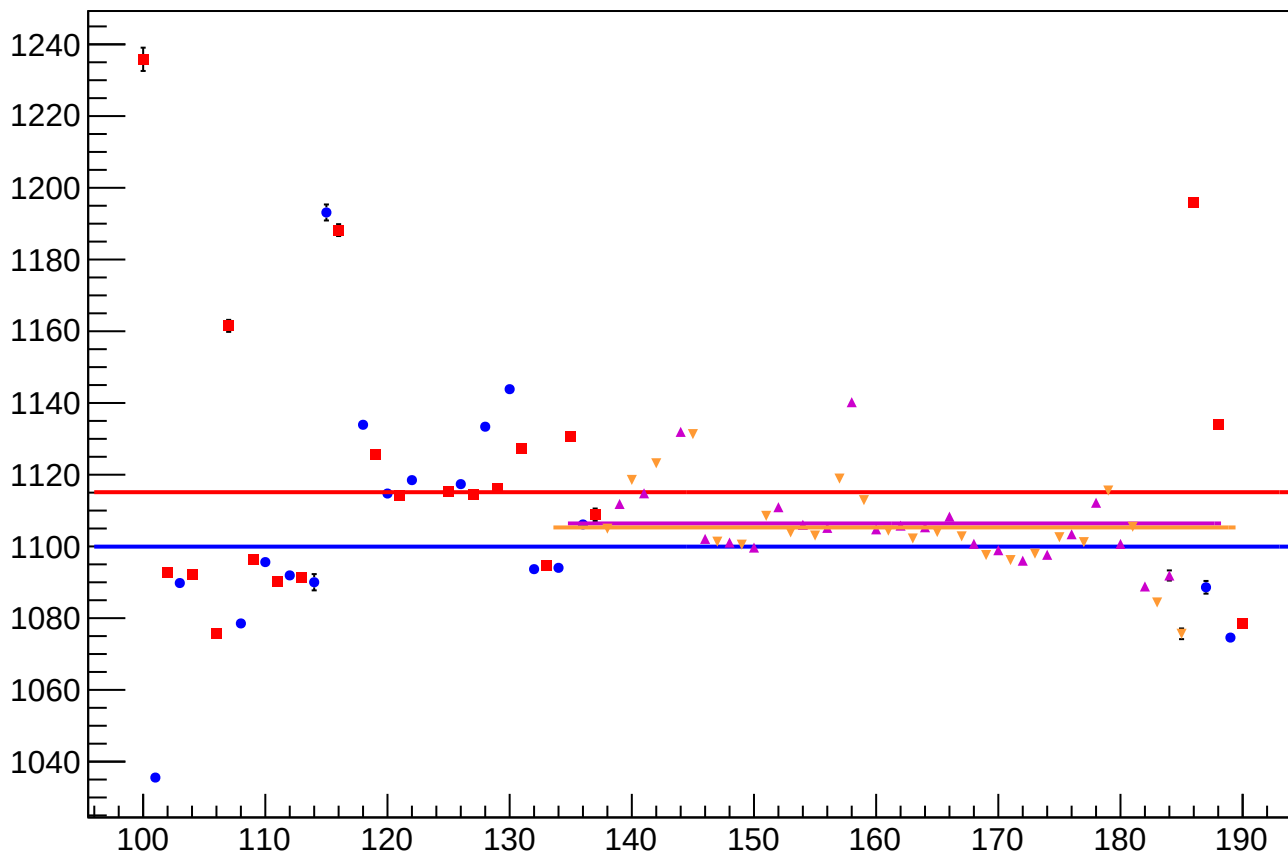
Left In: -1893.347 $\pm$ 258.339 χ^2 /NDF:24.1/22

+ sign 1620.912 $\pm$ 214.290 χ^2 /NDF: 21.9/41

All: -167.310 $\pm$ 150.668 χ^2 /NDF: 196.6/85

- sign -1915.584 $\pm$ 211.883 χ^2 /NDF: 37.0/43

reg_asym_usl_rms vs Slug



Right In: 1099.947 $\pm$ 0.276 χ^2 /NDF: 12042.1/17

Left Out: 1105.294 $\pm$ 0.181 χ^2 /NDF: 3161.8/23

Right Out: 1115.126 $\pm$ 0.262 χ^2 /NDF: 13027.9/20

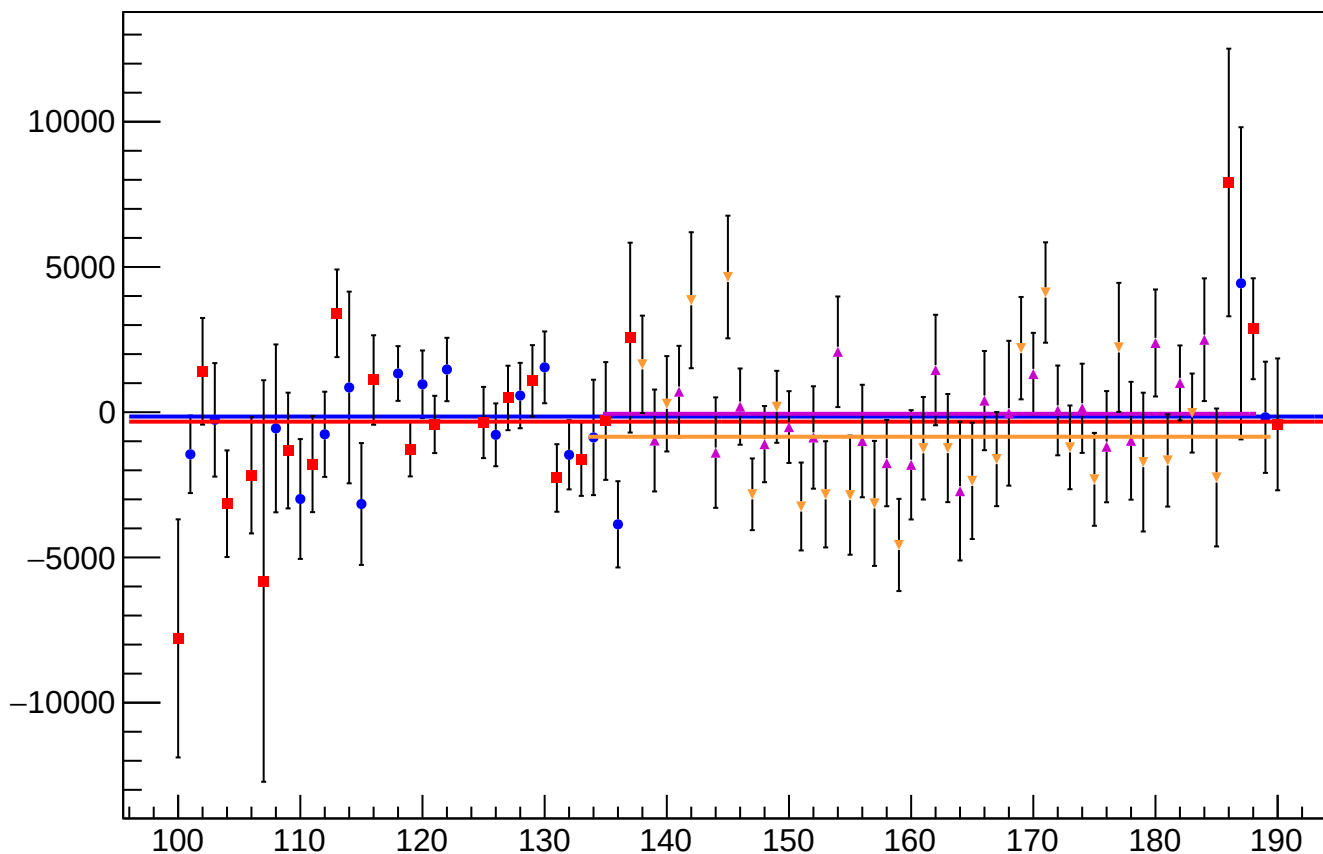
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF: 3776.4/22

+ sign 1103.678 $\pm$ 0.152 χ^2 /NDF: 15466.6/41

All: 1106.500 $\pm$ 0.107 χ^2 /NDF: 33702.9/85

- sign 1109.260 $\pm$ 0.150 χ^2 /NDF: 17550.3/43

asym_usl_reg_correction_mean vs Slug



Right In: -149.741 ± 339.271 χ^2/NDF : 21.7/17

Left Out: -844.649 ± 347.346 χ^2/NDF : 44.2/23

Right Out: -325.018 ± 333.866 χ^2/NDF : 30.1/20

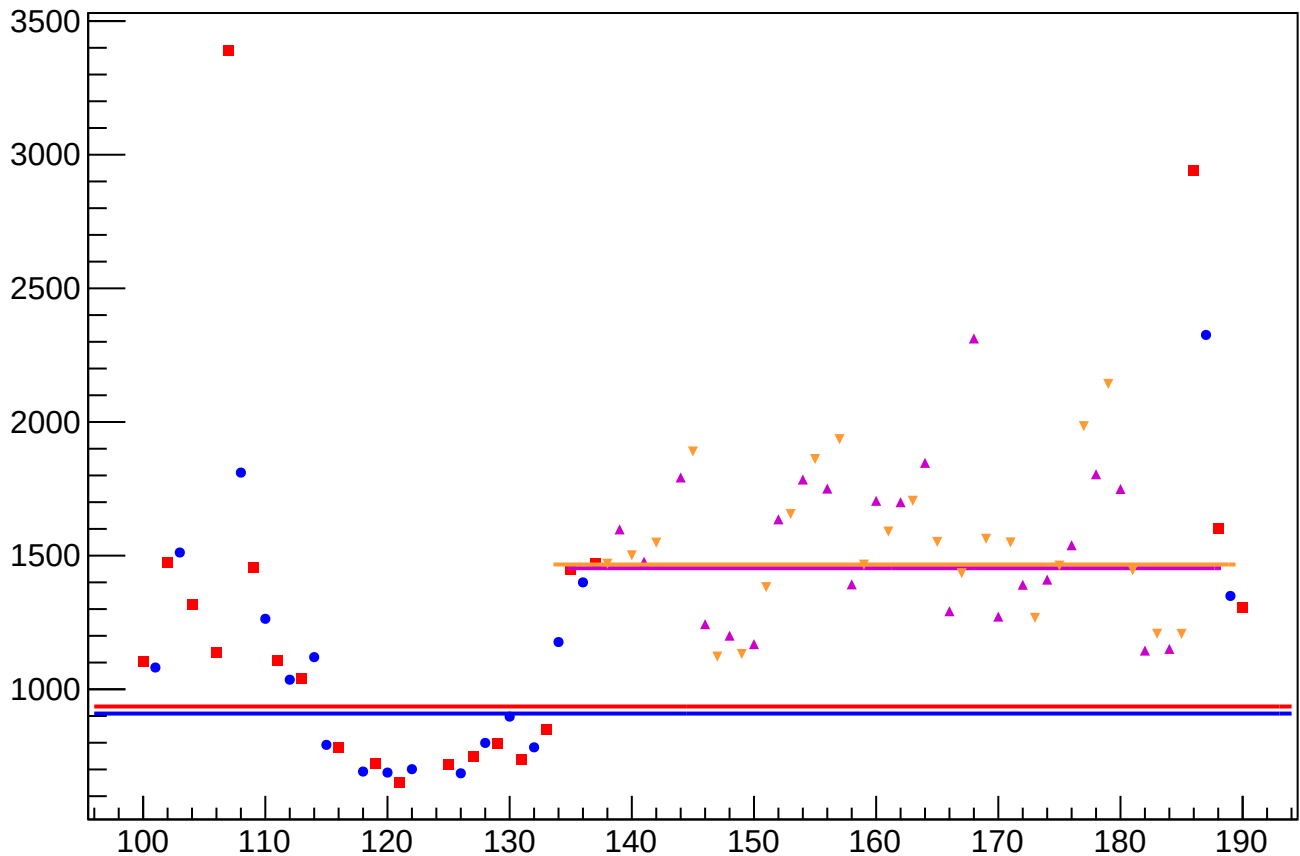
Left In: -54.347 ± 345.962 χ^2/NDF : 13.0/22

+ sign -489.022 ± 242.705 χ^2/NDF : 67.9/41

All: -340.257 ± 170.741 χ^2/NDF : 112.2/85

- sign -194.497 ± 240.242 χ^2/NDF : 43.5/43

asym_usl_reg_correction_rms vs Slug



Right In: 909.144 ± 0.240 $\chi^2/\text{NDF}: 1384307.5/17$

Left Out: 1466.846 ± 0.246 $\chi^2/\text{NDF}: 1043303.8/23$

Right Out: 935.518 ± 0.236 $\chi^2/\text{NDF}: 2106587.5/20$

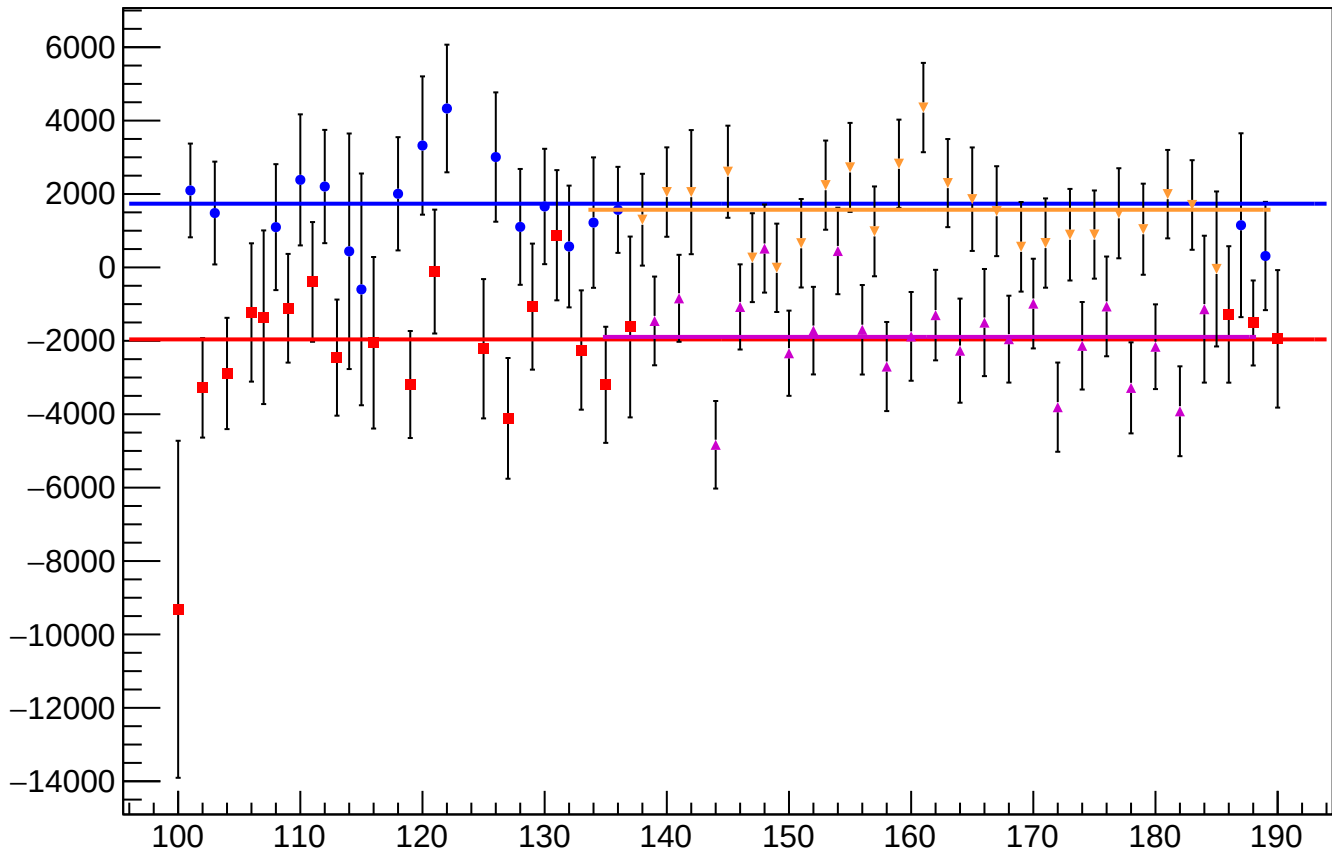
Left In: 1452.983 ± 0.245 $\chi^2/\text{NDF}: 1129567.2/22$

+ sign 1181.436 ± 0.172 $\chi^2/\text{NDF}: 5066220.0/41$

All: 1183.260 ± 0.121 $\chi^2/\text{NDF}: 10619378.5/8$

- sign 1185.047 ± 0.170 $\chi^2/\text{NDF}: 5552935.0/43$

cor_asym_usl_mean vs Slug



Right In: 1736.014 $\pm$ 389.789 χ^2 /NDF: 6.4/17

Left Out: 1571.055 $\pm$ 256.536 χ^2 /NDF: 15.4/23

Right Out: -1961.287 $\pm$ 370.352 χ^2 /NDF: 12.9/20

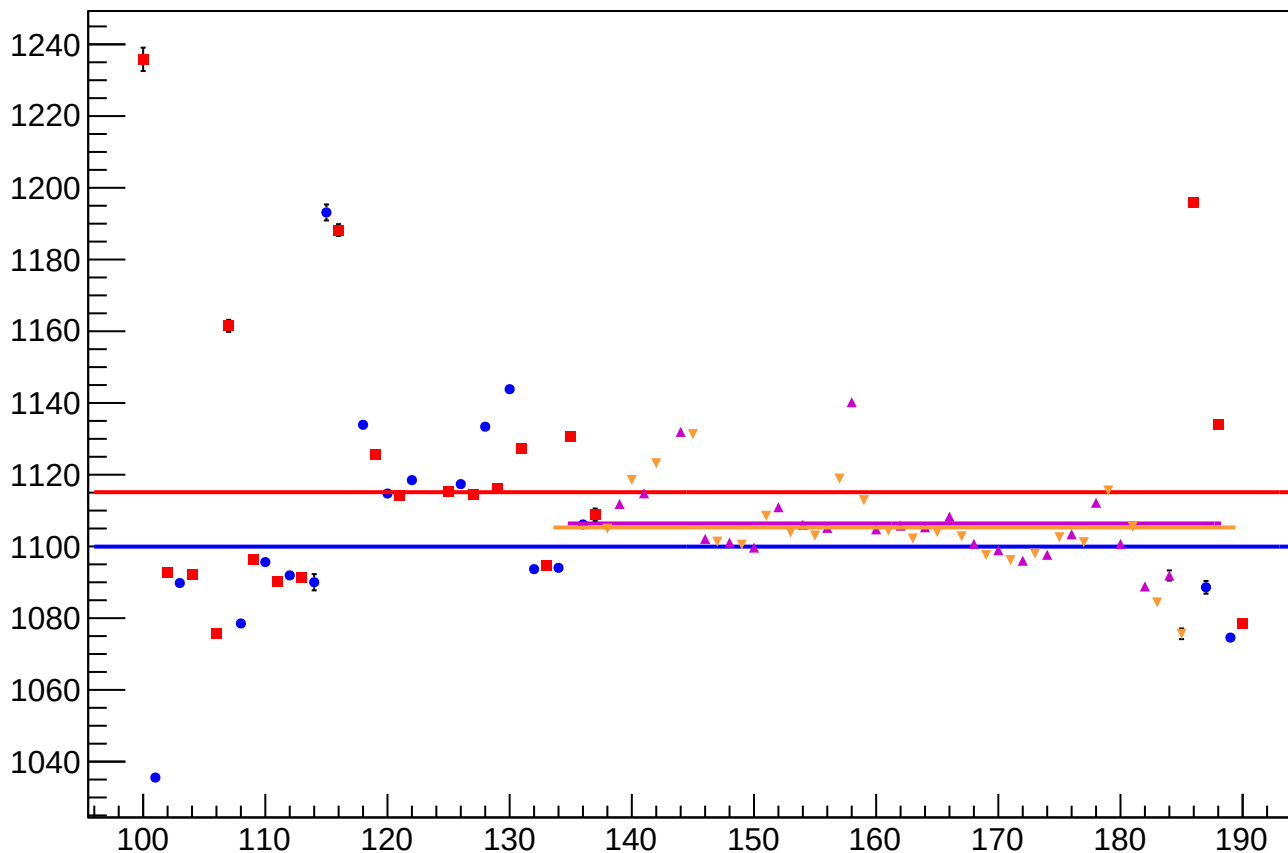
Left In: -1893.347 $\pm$ 258.339 χ^2 /NDF: 24.1/22

+ sign 1620.912 $\pm$ 214.290 χ^2 /NDF: 21.9/41

All: -167.310 $\pm$ 150.668 χ^2 /NDF: 196.6/85

- sign -1915.584 $\pm$ 211.883 χ^2 /NDF: 37.0/43

cor_asym_usl_rms vs Slug



Right In: 1099.947 $\pm$ 0.276 χ^2 /NDF: 12042.1/17

Left Out: 1105.294 $\pm$ 0.181 χ^2 /NDF: 3161.8/23

Right Out: 1115.126 $\pm$ 0.262 χ^2 /NDF: 13027.9/20

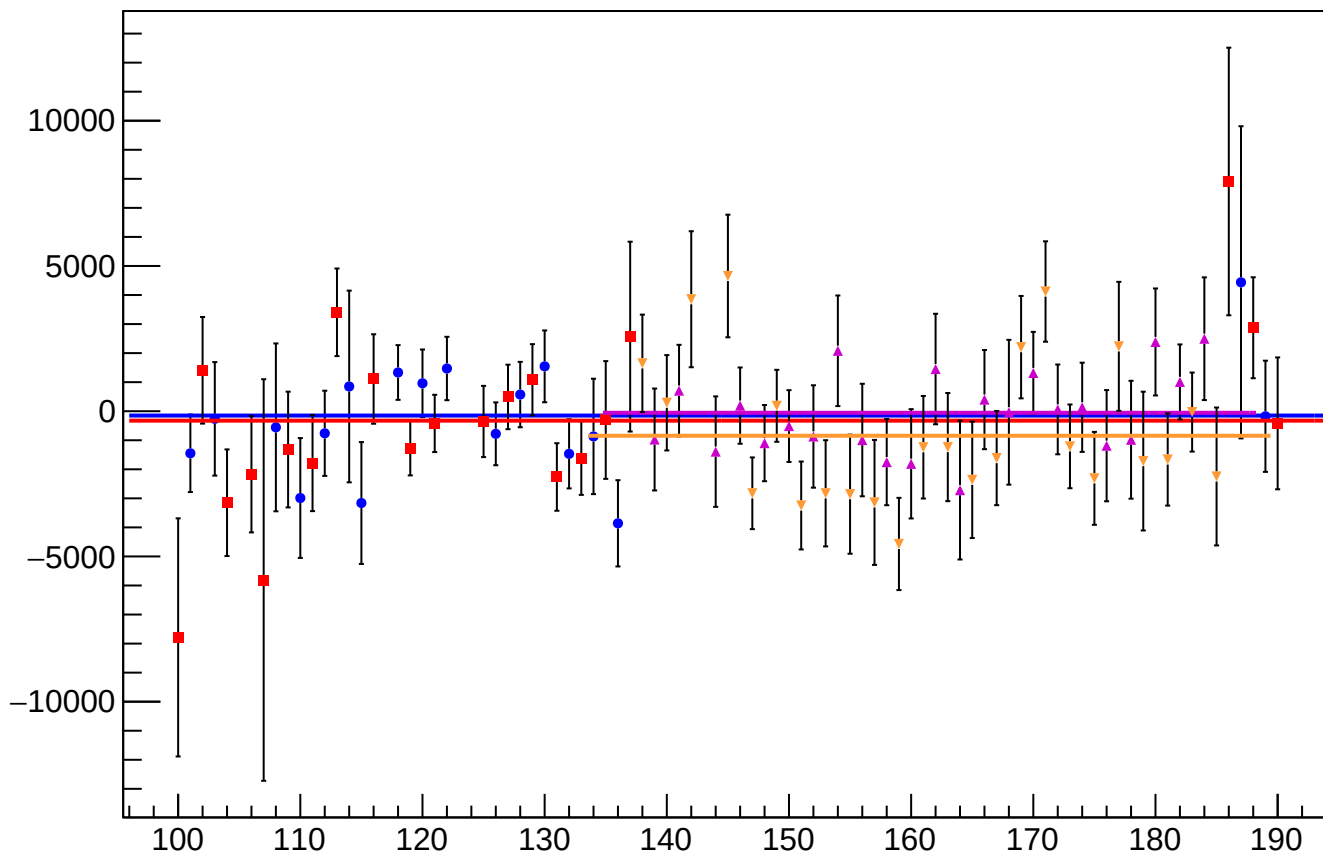
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF: 3776.4/22

+ sign 1103.678 $\pm$ 0.152 χ^2 /NDF: 15466.6/41

All: 1106.500 $\pm$ 0.107 χ^2 /NDF: 33702.9/85

- sign 1109.260 $\pm$ 0.150 χ^2 /NDF: 17550.3/43

asym_usl_cor_correction_mean vs Slug



Right In: -149.741 ± 339.271 $\chi^2/\text{NDF}: 21.7/17$

Left Out: -844.649 ± 347.346 $\chi^2/\text{NDF}: 44.2/23$

Right Out: -325.018 ± 333.866 $\chi^2/\text{NDF}: 30.1/20$

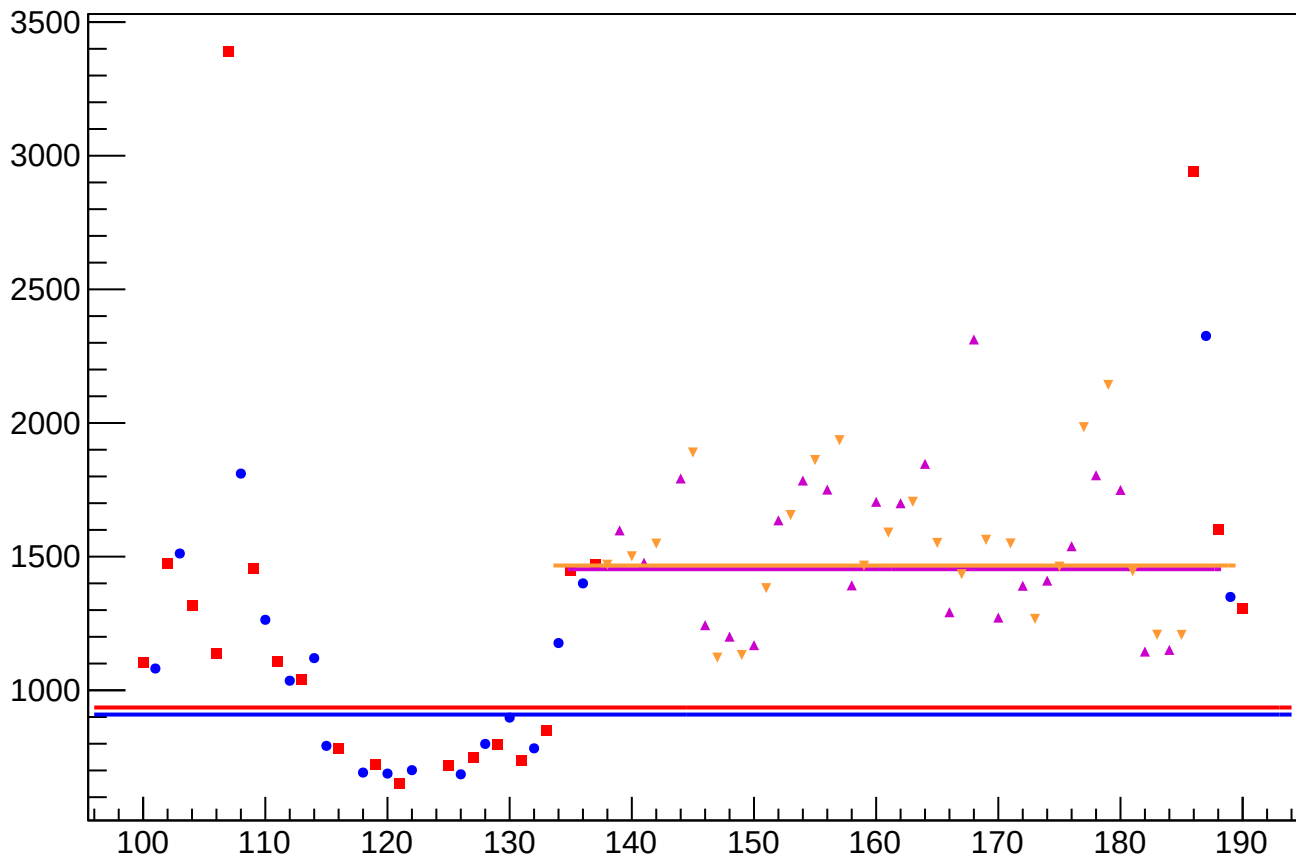
Left In: -54.347 ± 345.962 $\chi^2/\text{NDF}: 13.0/22$

+ sign -489.022 ± 242.705 $\chi^2/\text{NDF}: 67.9/41$

All: -340.257 ± 170.741 $\chi^2/\text{NDF}: 112.2/85$

- sign -194.497 ± 240.242 $\chi^2/\text{NDF}: 43.5/43$

asym_usl_cor_correction_rms vs Slug



Right In: 909.144+/-0.240 χ^2/NDF : 1384307.5/17

Left Out: 1466.846+/-0.246 χ^2/NDF : 1043303.8/23

Right Out: 935.518+/-0.236 χ^2/NDF : 2106587.5/20

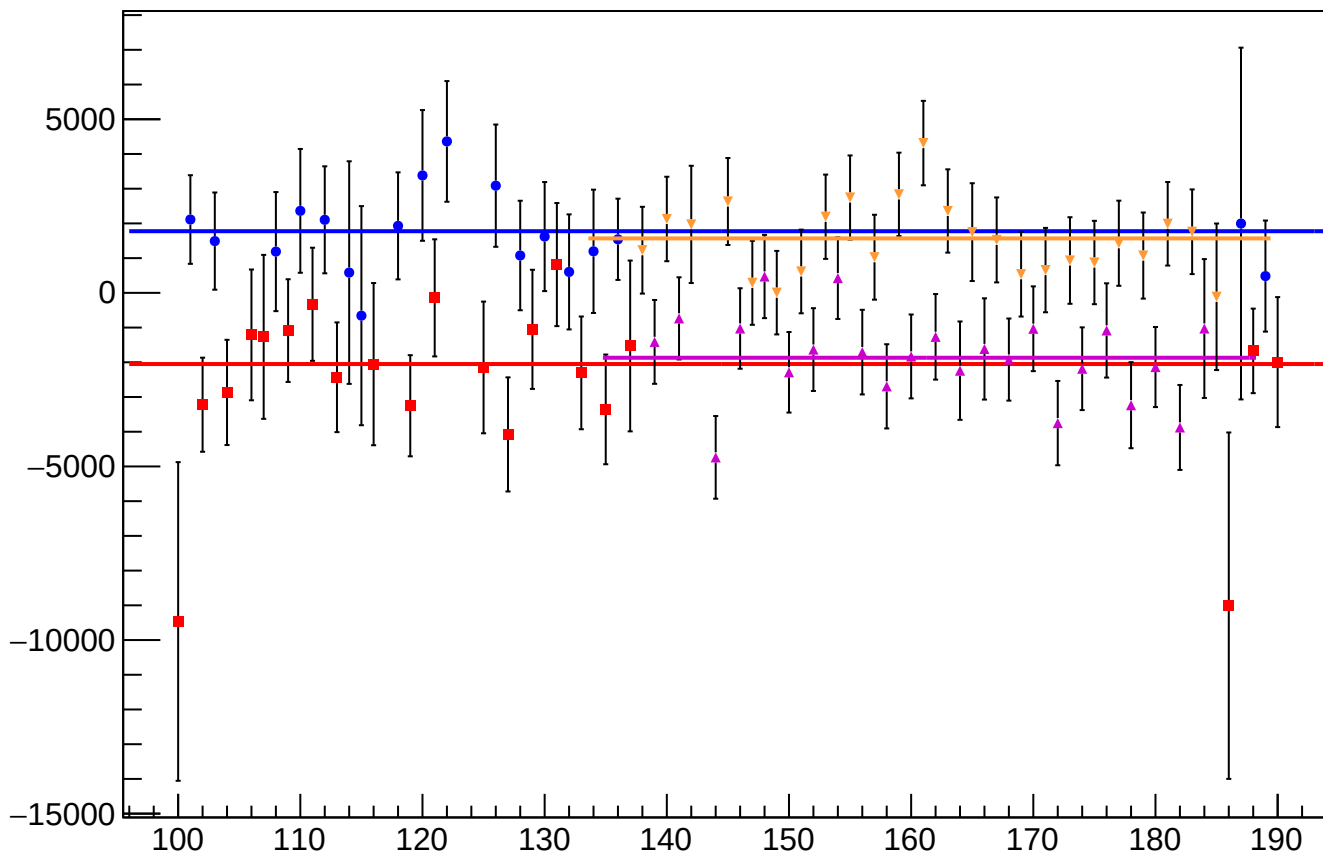
Left In: 1452.983+/-0.245 χ^2/NDF : 1129567.2/22

+ sign 1181.436+/-0.172 χ^2/NDF : 5066220.0/41

All: 1183.260+/-0.121 χ^2/NDF : 10619378.5/8

- sign 1185.047+/-0.170 χ^2/NDF : 5552935.0/43

overload_cor_asym_usl_mean vs Slug



Right In: 1775.556 ± 395.200 χ^2/NDF : 6.1/17

Left Out: 1568.786 ± 256.294 χ^2/NDF : 15.4/23

Right Out: -2050.094 ± 378.469 χ^2/NDF : 14.8/20

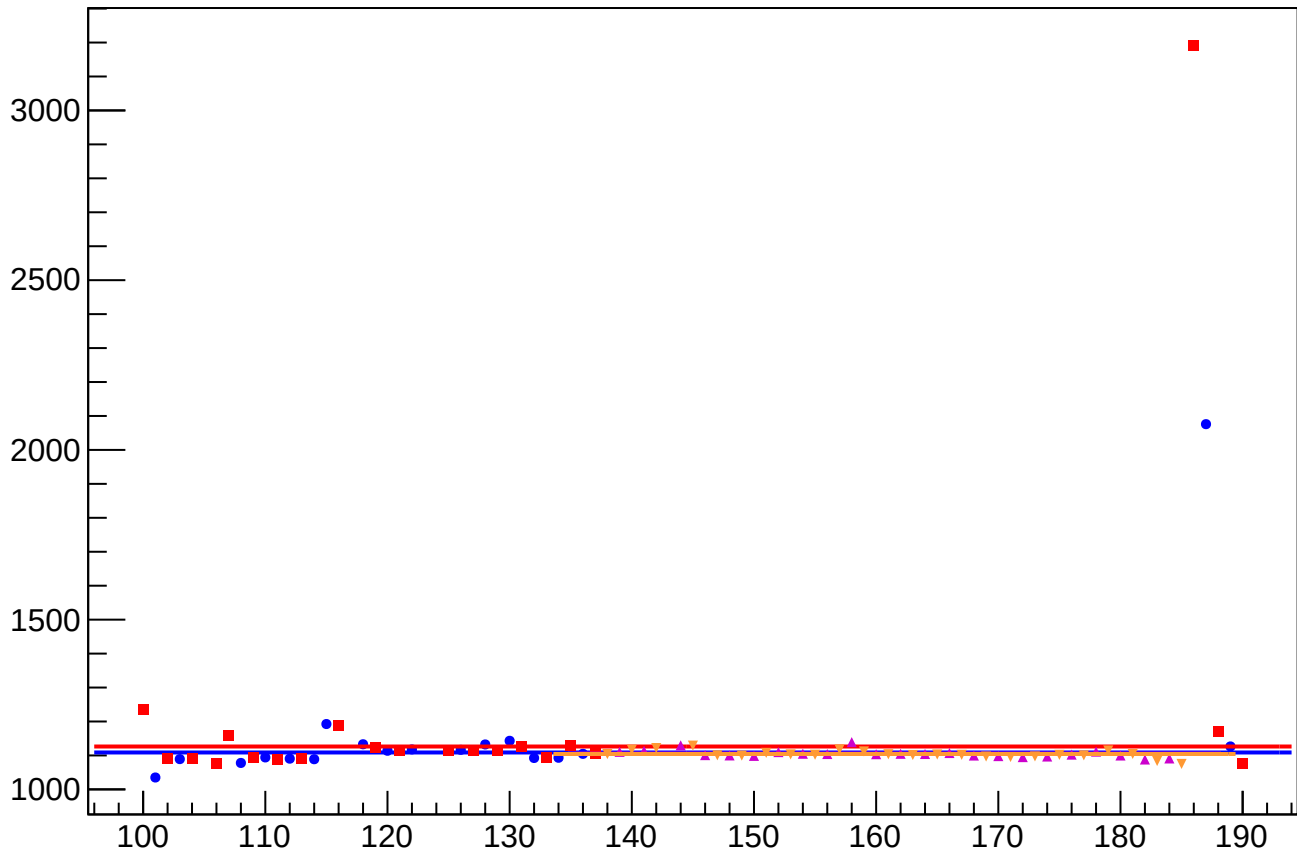
Left In: -1869.342 ± 258.099 χ^2/NDF : 23.4/22

+ sign 1630.002 ± 215.034 χ^2/NDF : 21.7/41

All: -163.296 ± 151.412 χ^2/NDF : 198.0/85

- sign -1926.719 ± 213.235 χ^2/NDF : 38.4/43

overload_cor_asym_usl_rms vs Slug



Right In: 1108.726+/-0.279 χ^2/NDF : 85124.4/17

Left Out: 1104.258+/-0.181 χ^2/NDF : 2999.2/23

Right Out: 1126.311+/-0.268 χ^2/NDF : 357486.8/20

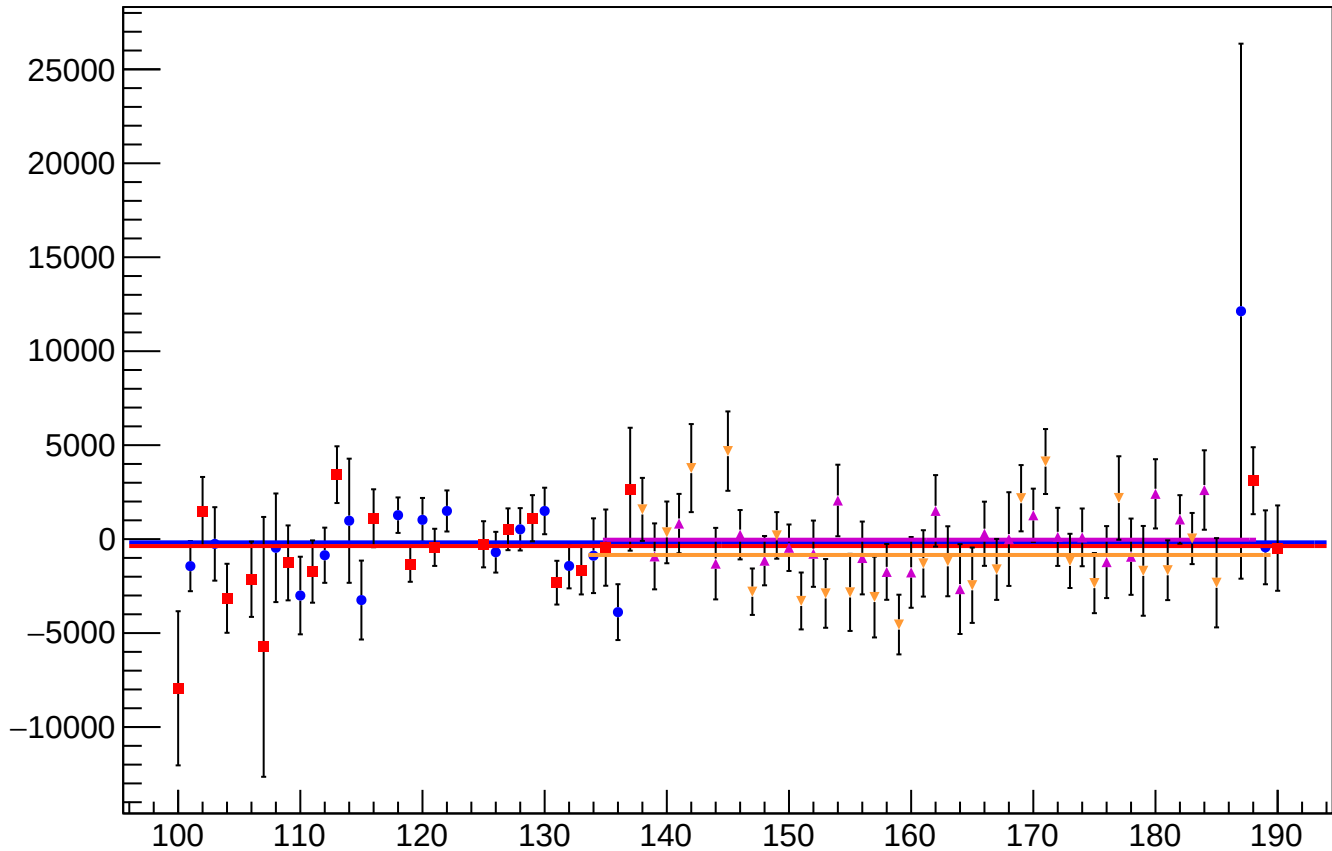
Left In: 1105.380+/-0.183 χ^2/NDF : 3661.0/22

+ sign 1105.581+/-0.152 χ^2/NDF : 88303.6/41

All: 1108.830+/-0.107 χ^2/NDF : 454531.9/85

- sign 1112.024+/-0.151 χ^2/NDF : 365322.8/43

asym_usl_overload_cor_correction_mean vs Slug



Right In: -171.838 $\pm$ 340.649 χ^2 /NDF: 21.7/17

Left Out: -843.280 $\pm$ 347.538 χ^2 /NDF: 44.0/23

Right Out: -369.701 $\pm$ 335.525 χ^2 /NDF: 27.9/19

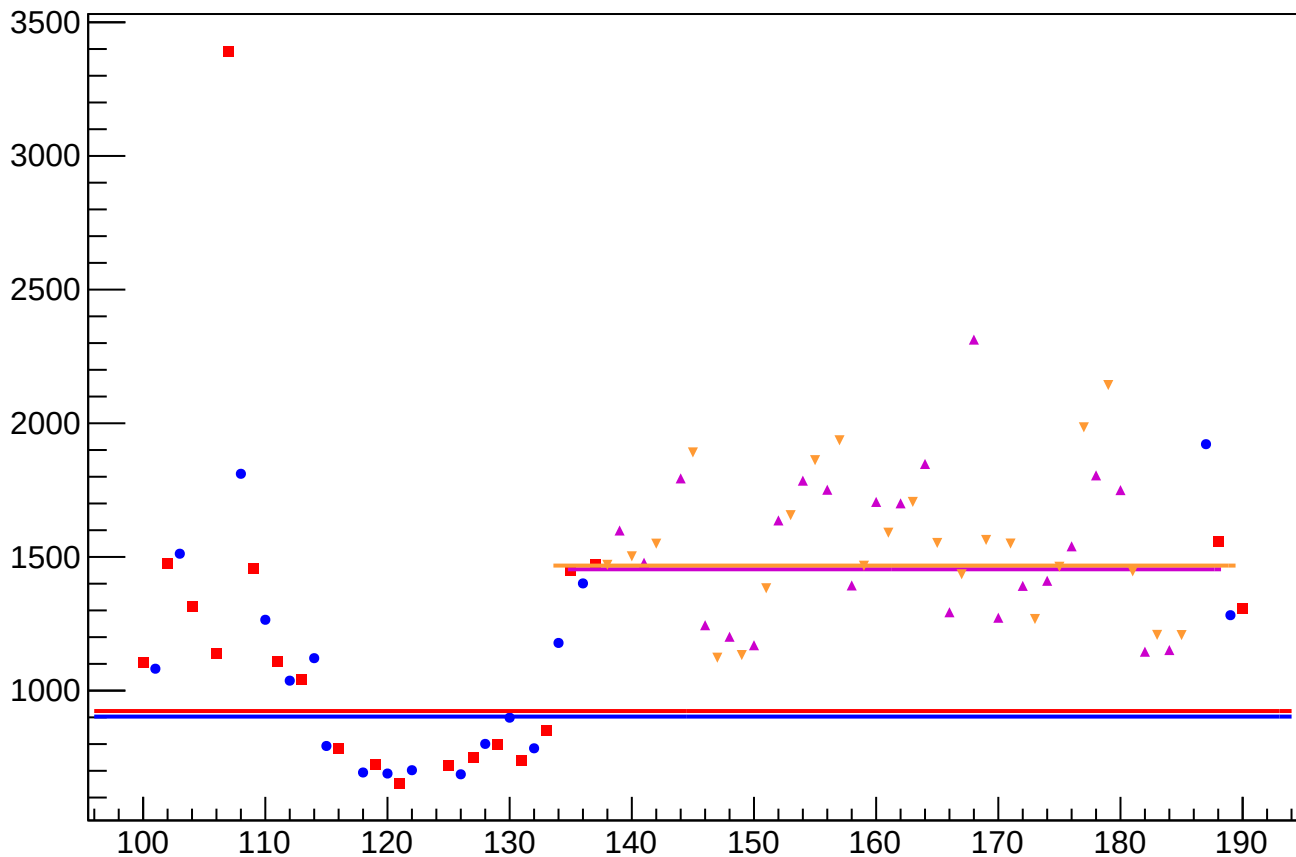
Left In: -31.387 $\pm$ 346.155 χ^2 /NDF: 13.1/22

+ sign -500.839 $\pm$ 243.274 χ^2 /NDF: 67.6/41

All: -351.896 $\pm$ 171.183 χ^2 /NDF: 109.8/84

- sign -205.819 $\pm$ 240.923 χ^2 /NDF: 41.4/42

asym_usl_overload_cor_correction_rms vs Slug



Right In: 902.838+/-0.241 χ^2/NDF : 1215946.0/17

Left Out: 1467.697+/-0.246 χ^2/NDF : 1041877.5/23

Right Out: 923.614+/-0.237 χ^2/NDF : 1669314.4/19

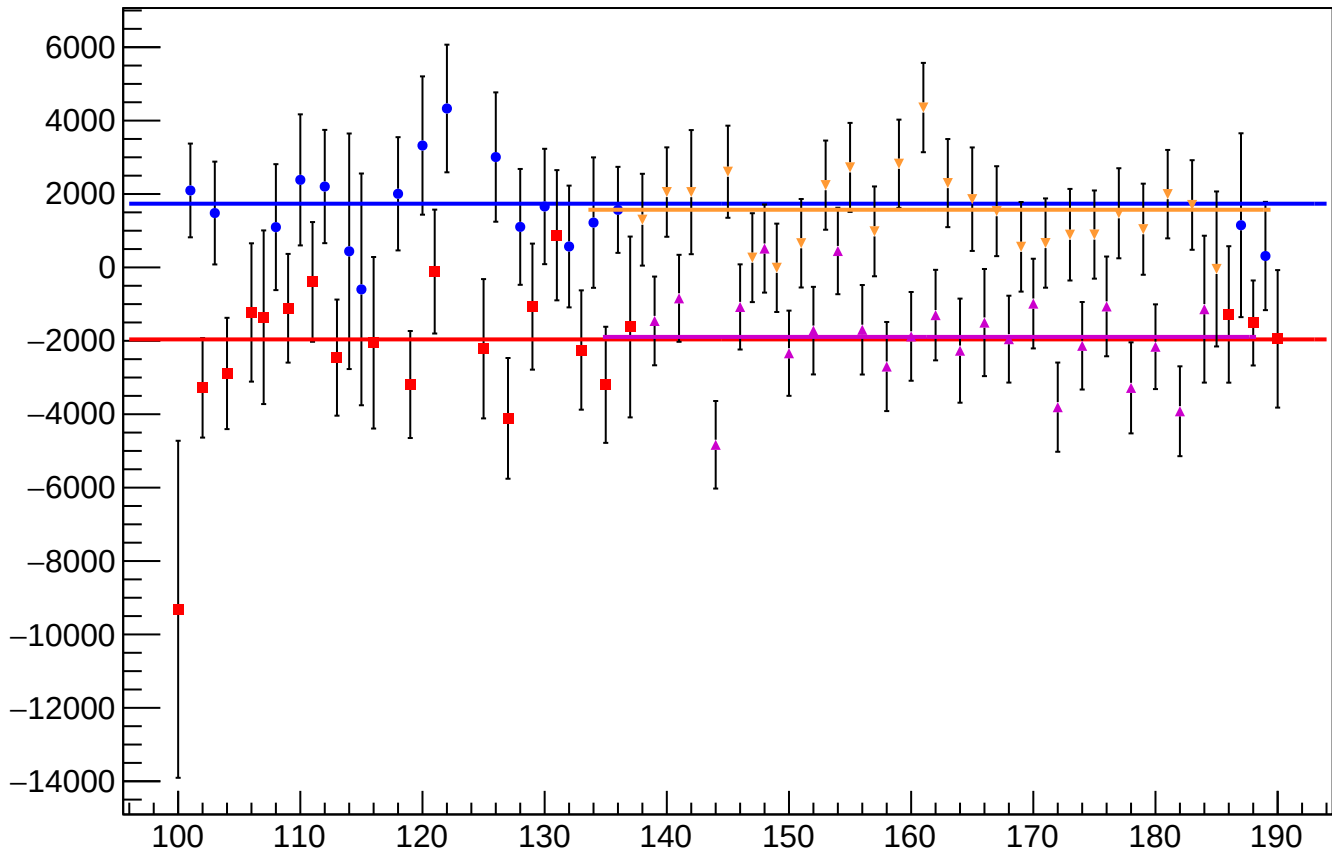
Left In: 1453.834+/-0.245 χ^2/NDF : 1127997.5/22

+ sign 1179.614+/-0.172 χ^2/NDF : 4952356.3/41

All: 1180.040+/-0.121 χ^2/NDF : 10169065.7/8

- sign 1180.458+/-0.170 χ^2/NDF : 5216697.2/42

eigen_cor_asym_usl_mean vs Slug



Right In: 1736.014 $\pm$ 389.789 χ^2 /NDF: 6.4/17

Left Out: 1571.055 $\pm$ 256.536 χ^2 /NDF: 15.4/23

Right Out: -1961.287 $\pm$ 370.352 χ^2 /NDF: 12.9/20

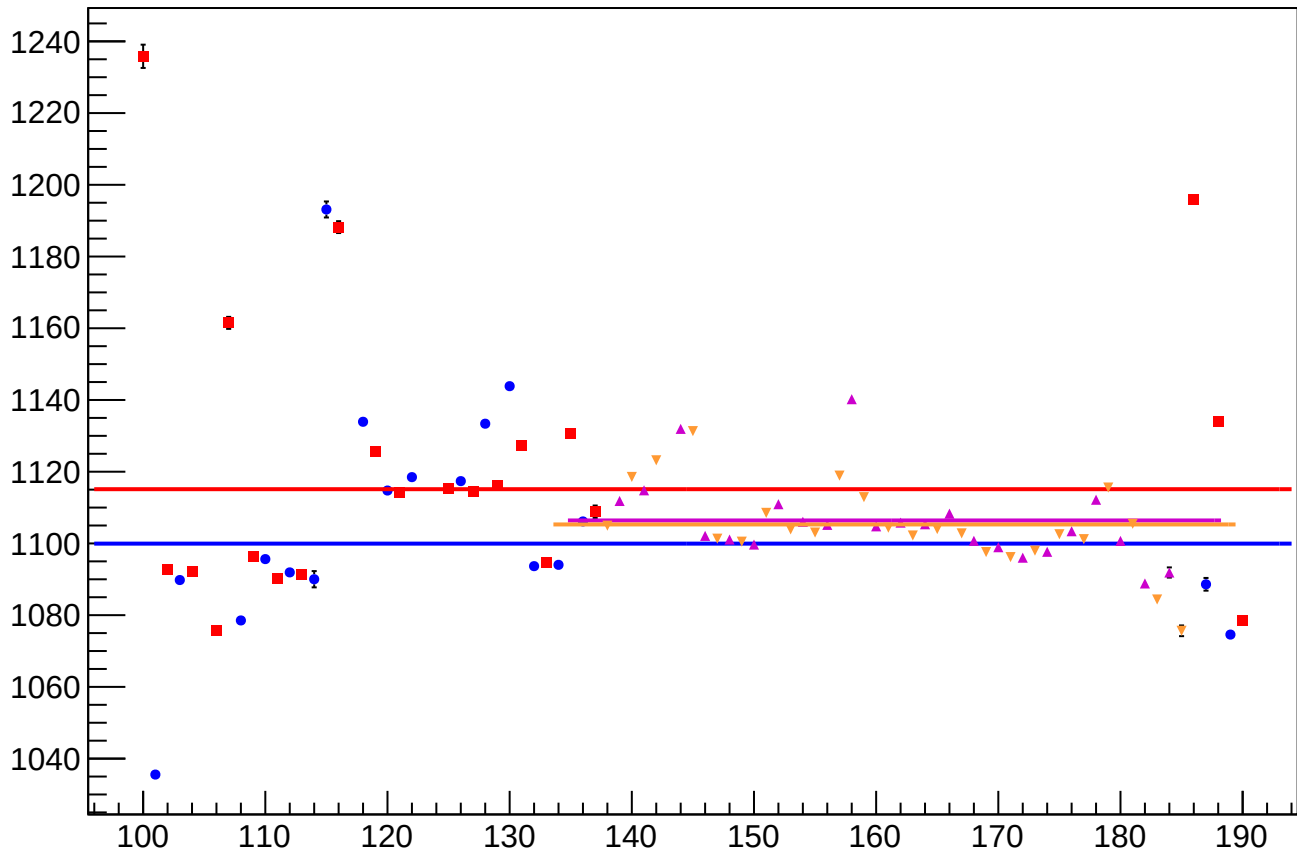
Left In: -1893.347 $\pm$ 258.339 χ^2 /NDF: 24.1/22

+ sign 1620.912 $\pm$ 214.290 χ^2 /NDF: 21.9/41

All: -167.310 $\pm$ 150.668 χ^2 /NDF: 196.6/85

- sign -1915.584 $\pm$ 211.883 χ^2 /NDF: 37.0/43

eigen_cor_asym_usl_rms vs Slug



Right In: 1099.947 $\pm$ 0.276 χ^2 /NDF: 12042.1/17

Left Out: 1105.294 $\pm$ 0.181 χ^2 /NDF: 3161.8/23

Right Out: 1115.126 $\pm$ 0.262 χ^2 /NDF: 13027.9/20

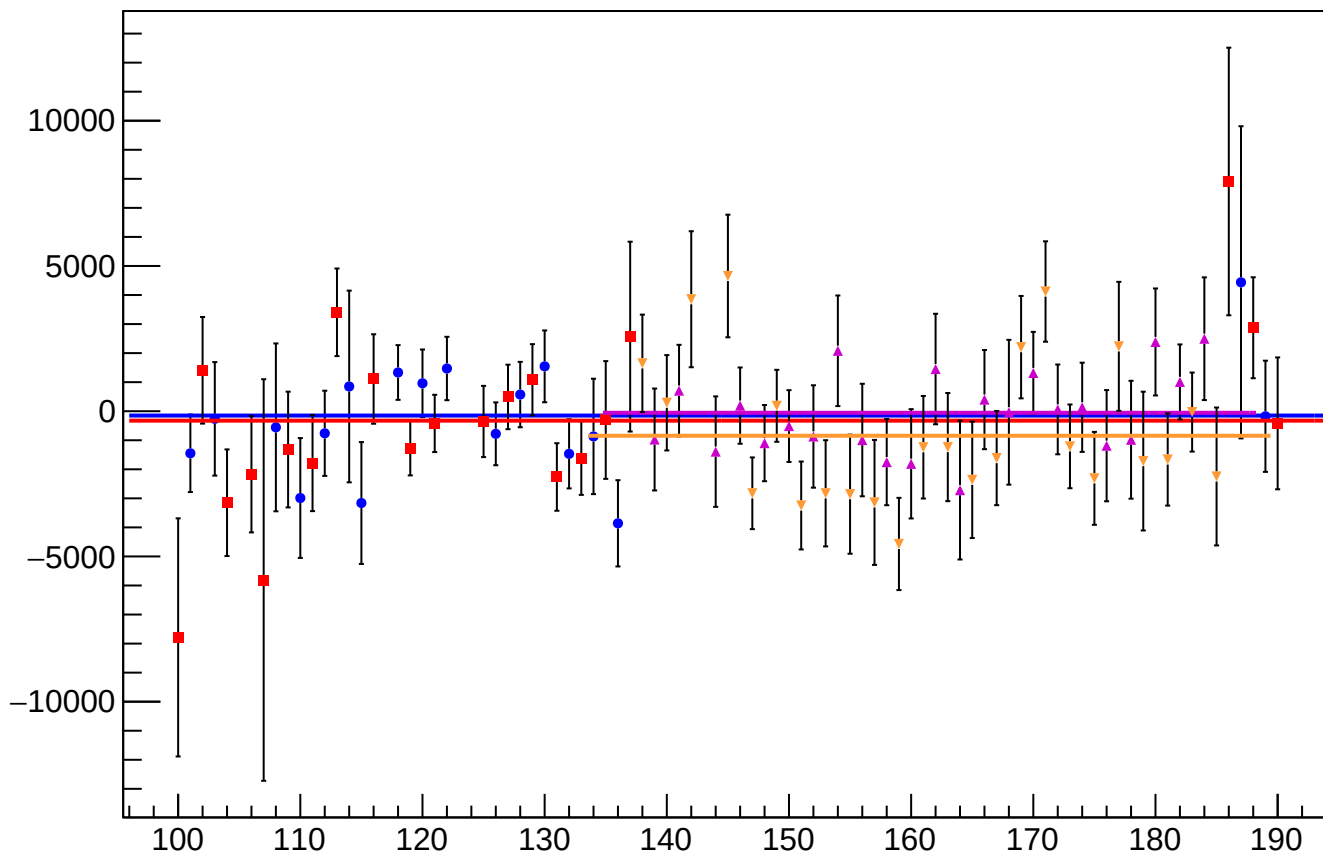
Left In: 1106.405 $\pm$ 0.183 χ^2 /NDF: 3776.4/22

+ sign 1103.678 $\pm$ 0.152 χ^2 /NDF: 15466.6/41

All: 1106.500 $\pm$ 0.107 χ^2 /NDF: 33702.9/85

- sign 1109.260 $\pm$ 0.150 χ^2 /NDF: 17550.3/43

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -149.741 ± 339.271 χ^2/NDF : 21.7/17

Left Out: -844.649 ± 347.346 χ^2/NDF : 44.2/23

Right Out: -325.018 ± 333.866 χ^2/NDF : 30.1/20

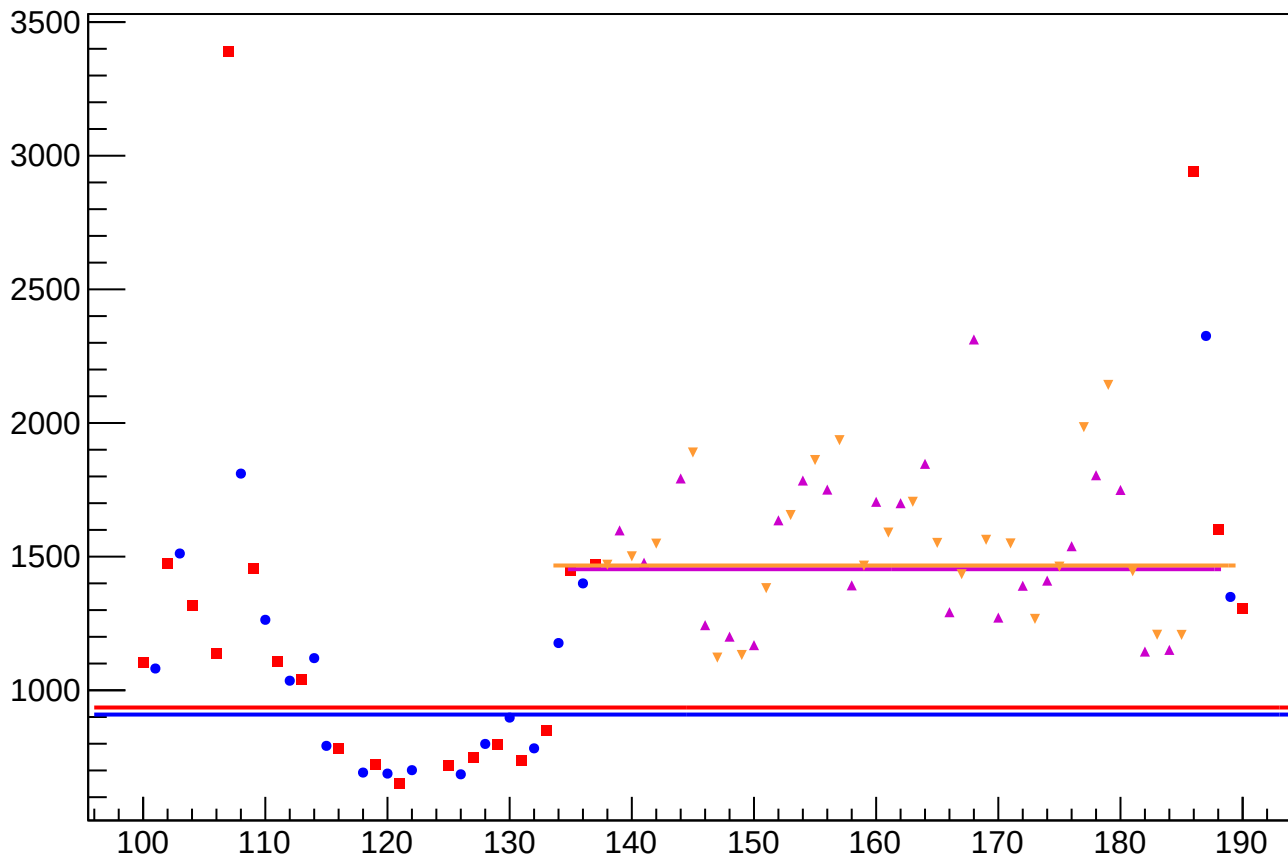
Left In: -54.347 ± 345.962 χ^2/NDF : 13.0/22

+ sign -489.022 ± 242.705 χ^2/NDF : 67.9/41

All: -340.257 ± 170.741 χ^2/NDF : 112.2/85

- sign -194.497 ± 240.242 χ^2/NDF : 43.5/43

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 909.144+/-0.240 χ^2/NDF : 1384307.5/17

Left Out: 1466.846+/-0.246 χ^2/NDF : 1043303.8/23

Right Out: 935.518+/-0.236 χ^2/NDF : 2106587.5/20

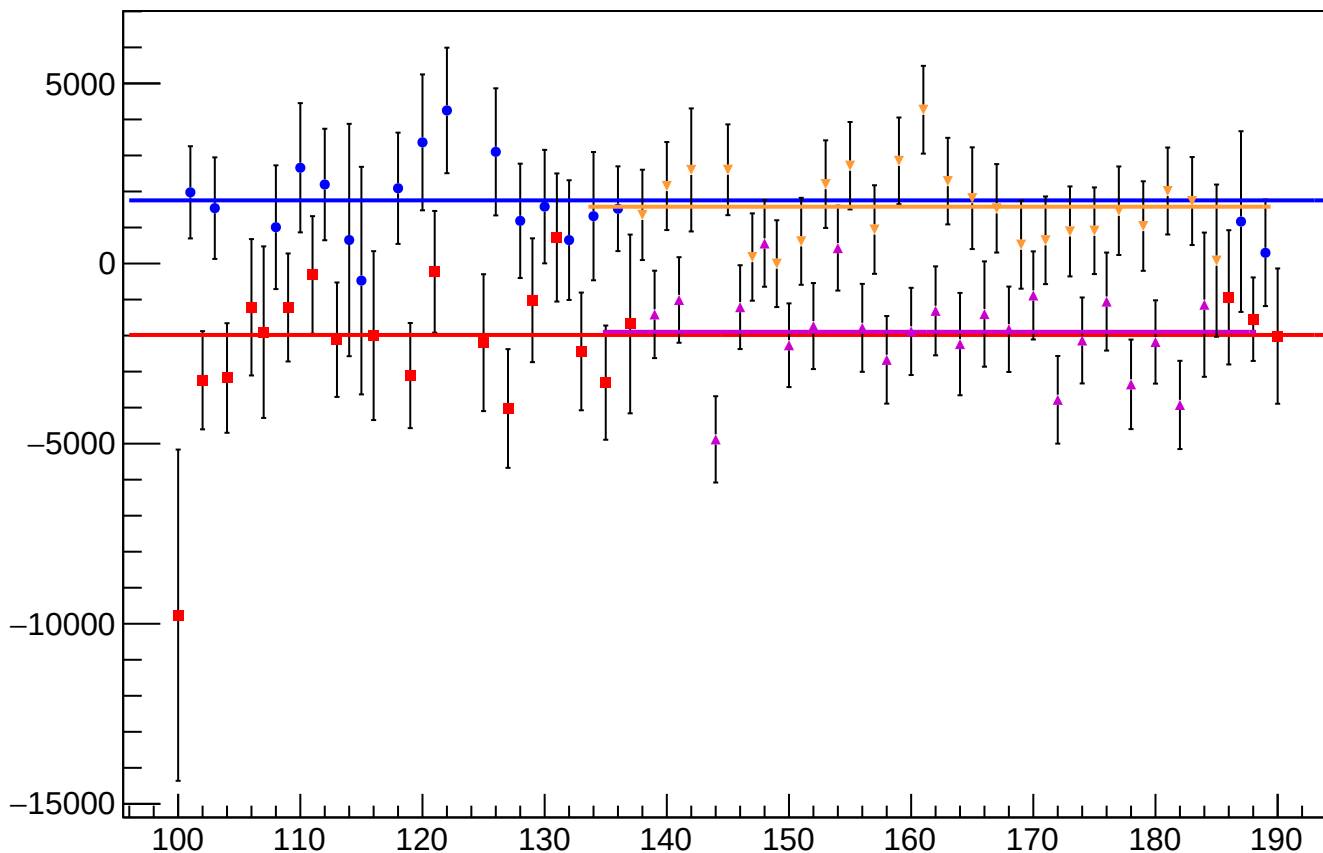
Left In: 1452.983+/-0.245 χ^2/NDF : 1129567.2/22

+ sign 1181.436+/-0.172 χ^2/NDF : 5066220.0/41

All: 1183.260+/-0.121 χ^2/NDF : 10619378.5/8

- sign 1185.047+/-0.170 χ^2/NDF : 5552935.0/43

dit_asym_usl_mean vs Slug



Right In: 1753.471 $\pm$ 390.887 χ^2 /NDF: 6.3/17

Left Out: 1577.402 $\pm$ 257.003 χ^2 /NDF:15.5/23

Right Out: -1982.613 $\pm$ 371.586 χ^2 /NDF: 12.9/20

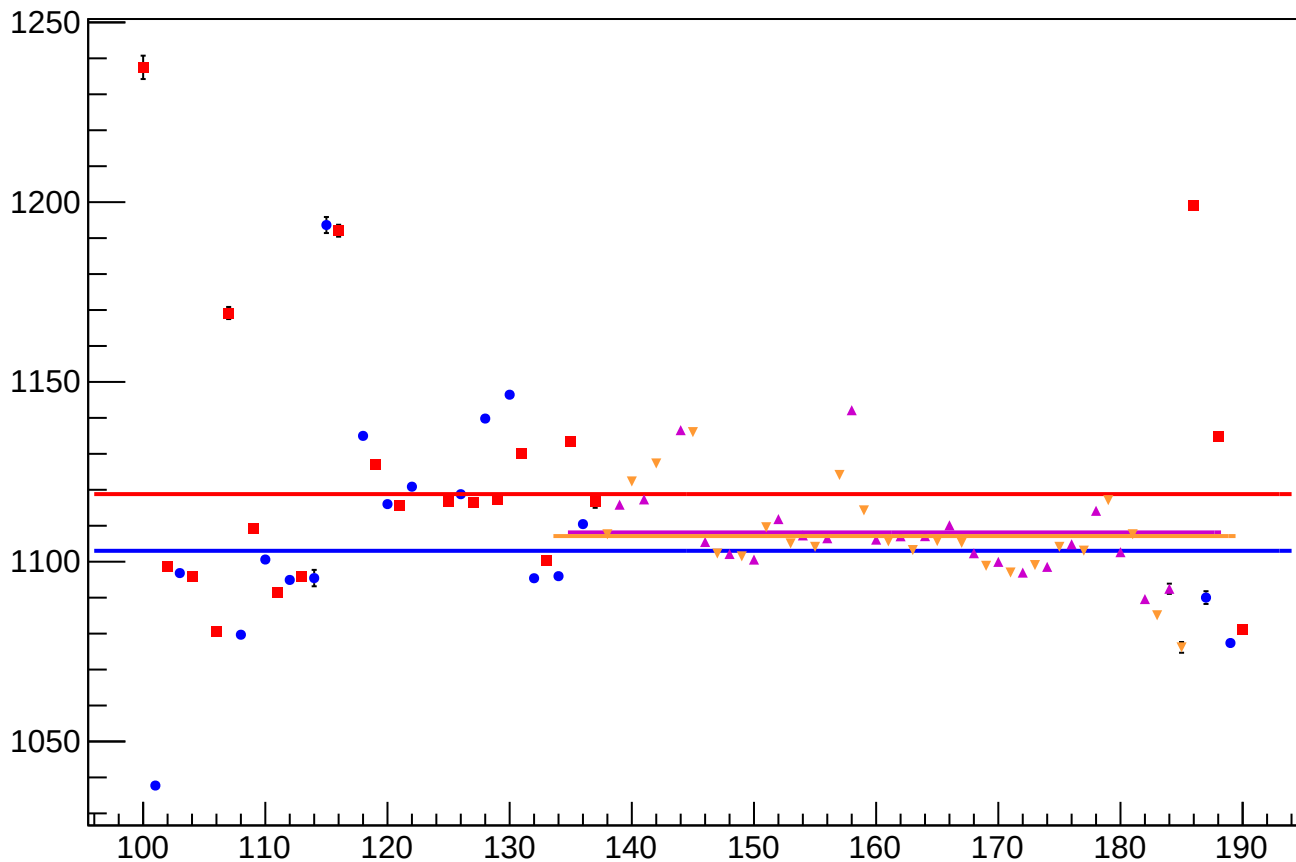
Left In: -1895.548 $\pm$ 258.750 χ^2 /NDF:24.1/22

+ sign 1630.542 $\pm$ 214.745 χ^2 /NDF: 22.0/41

All: -166.726 $\pm$ 150.990 χ^2 /NDF: 197.5/85

- sign -1923.979 $\pm$ 212.341 χ^2 /NDF: 37.0/43

dit_asym_usl_rms vs Slug



Right In: 1103.029 $\pm$ 0.276 χ^2 /NDF: 12050.2/17

Left Out: 1107.127 $\pm$ 0.182 χ^2 /NDF: 3783.7/23

Right Out: 1118.802 $\pm$ 0.263 χ^2 /NDF: 12421.5/20

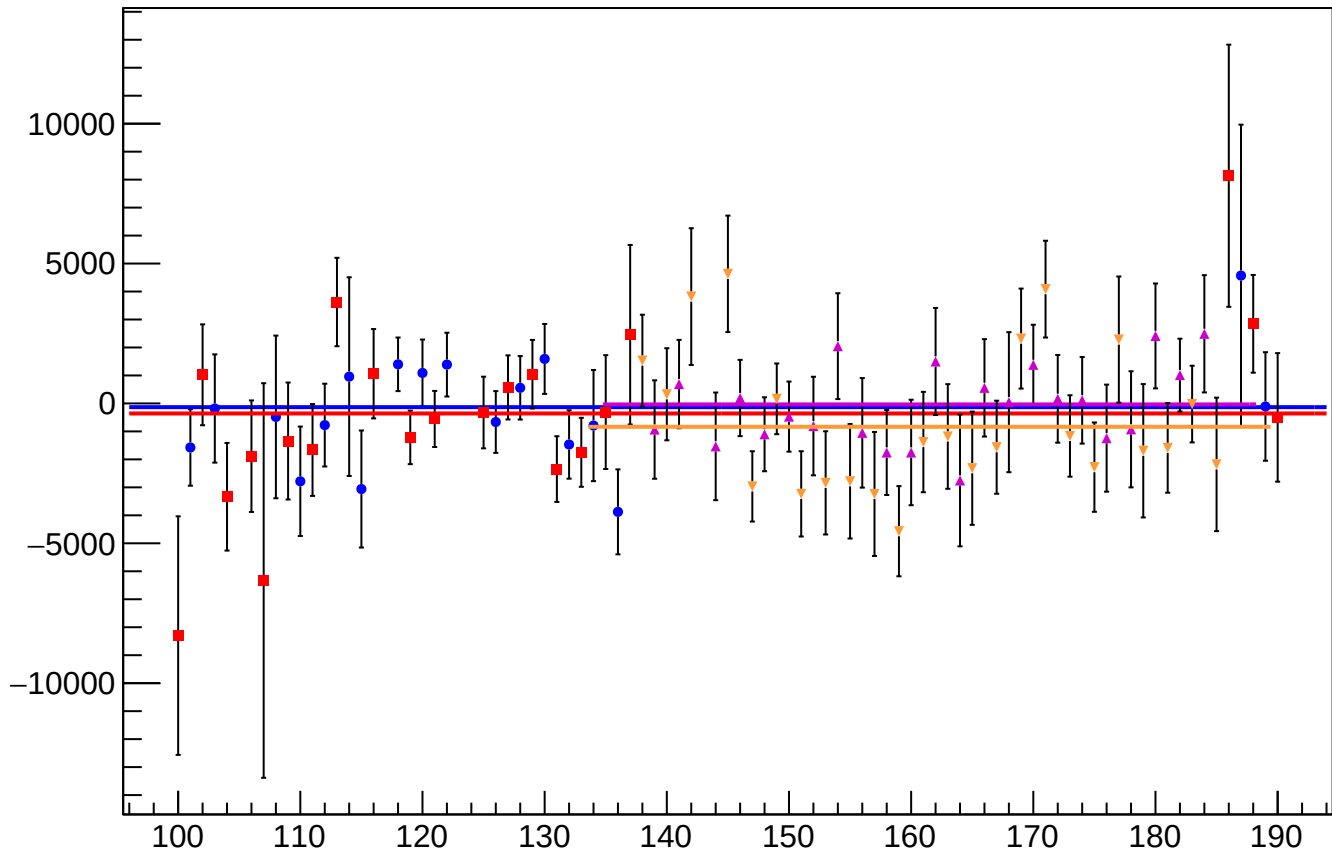
Left In: 1108.145 $\pm$ 0.183 χ^2 /NDF: 4190.5/22

+ sign 1105.890 $\pm$ 0.152 χ^2 /NDF: 15987.4/41

All: 1108.790 $\pm$ 0.107 χ^2 /NDF: 34428.5/85

- sign 1111.625 $\pm$ 0.150 χ^2 /NDF: 17719.8/43

asym_usl_dit_correction_mean vs Slug



Right In: -133.244 ± 344.986 χ^2/NDF : 21.2/17

Left Out: -835.288 ± 350.615 χ^2/NDF : 43.6/23

Right Out: -358.908 ± 338.891 χ^2/NDF : 30.1/20

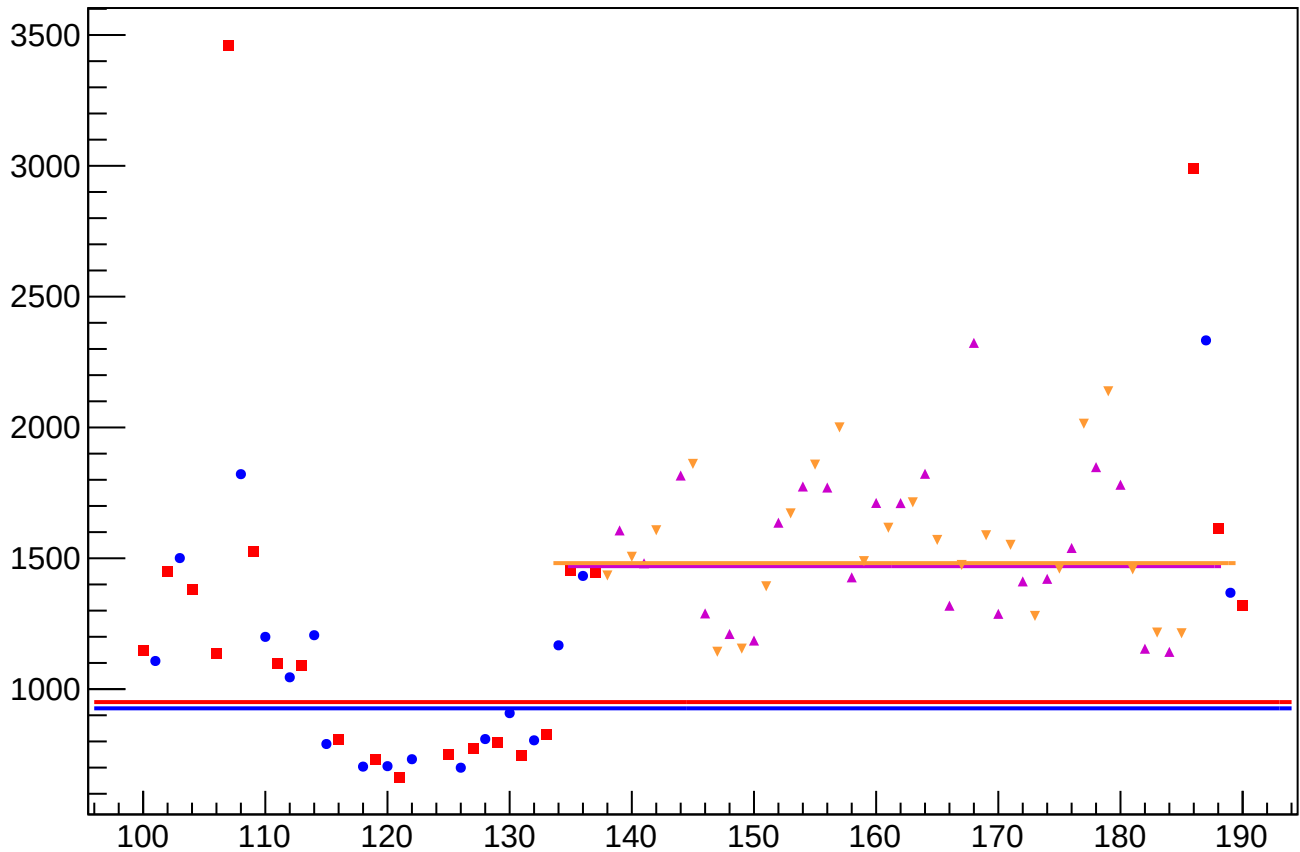
Left In: -35.516 ± 349.636 χ^2/NDF : 13.1/22

+ sign -478.585 ± 245.908 χ^2/NDF : 66.8/41

All: -338.972 ± 172.969 χ^2/NDF : 111.2/85

- sign -202.257 ± 243.342 χ^2/NDF : 43.7/43

asym_usl_dit_correction_rms vs Slug



Right In: 926.491 $\pm$ 0.244 χ^2 /NDF: 1325863.1/17

Left Out: 1481.543 $\pm$ 0.248 χ^2 /NDF:1017463.8/23

Right Out: 950.420 $\pm$ 0.240 χ^2 /NDF: 2093732.8/20

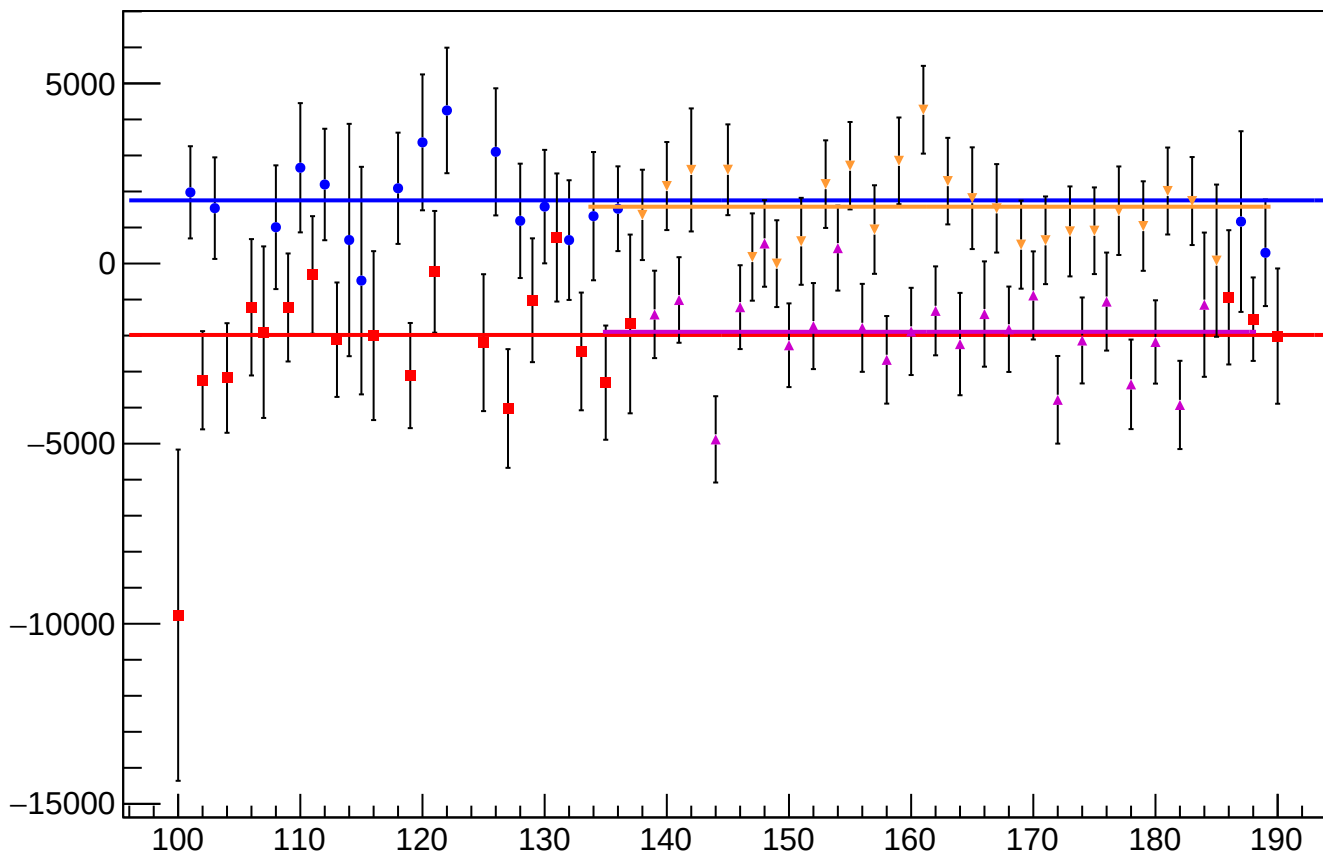
Left In: 1469.907 $\pm$ 0.247 χ^2 /NDF:1095056.5/22

+ sign 1199.526 $\pm$ 0.174 χ^2 /NDF: 4890035.3/41

All: 1200.805 $\pm$ 0.122 χ^2 /NDF: 10355401.9/8

- sign 1202.059 $\pm$ 0.172 χ^2 /NDF: 5465259.4/43

eigen_dit_asym_usl_mean vs Slug



Right In: 1753.470+/-390.887 χ^2/NDF : 6.3/17

Left Out: 1577.399+/-257.003 χ^2/NDF : 15.5/23

Right Out: -1982.611+/-371.586 χ^2/NDF : 12.9/20

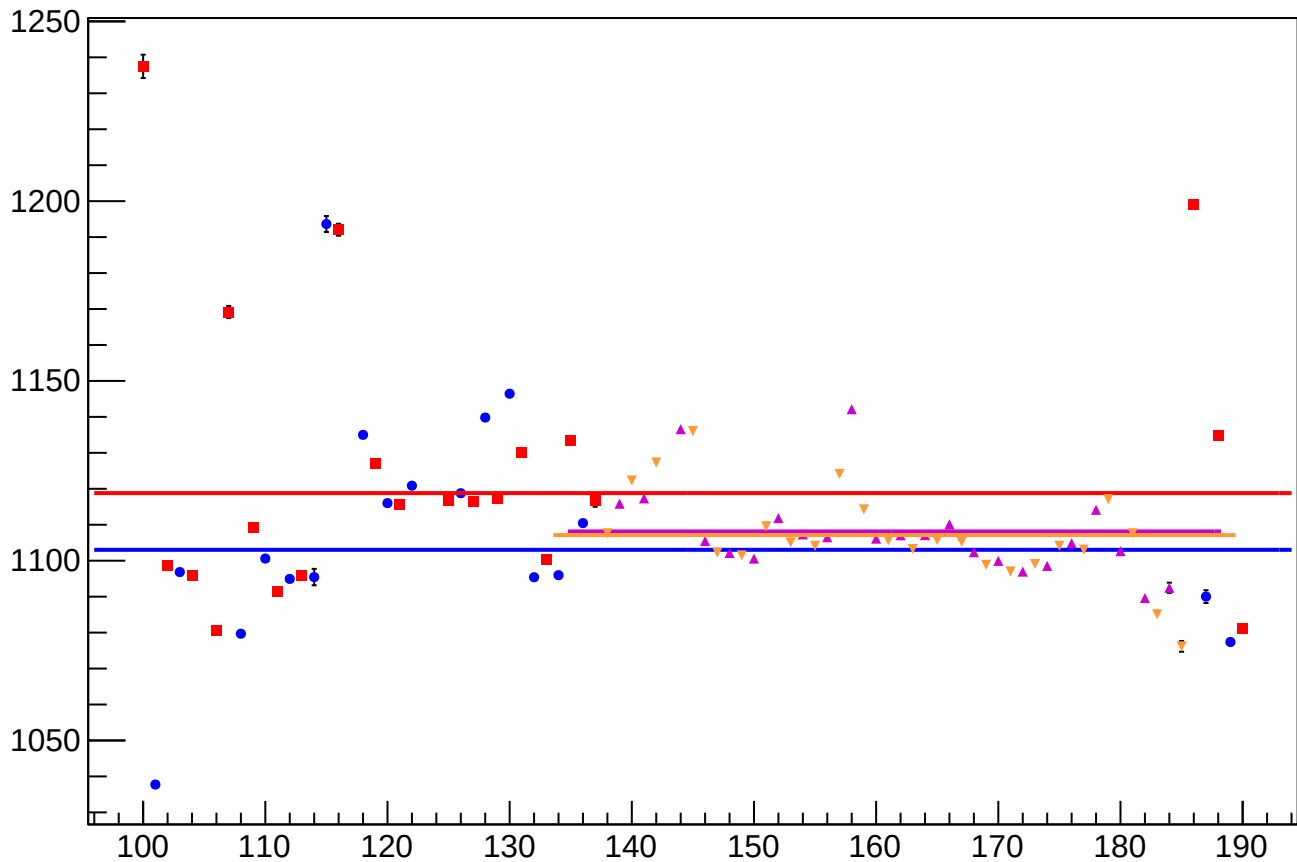
Left In: -1895.549+/-258.750 χ^2/NDF : 24.1/22

+ sign 1630.540+/-214.745 χ^2/NDF : 22.0/41

All: -166.727+/-150.990 χ^2/NDF : 197.5/85

- sign -1923.979+/-212.341 χ^2/NDF : 37.0/43

eigen_dit_asym_usl_rms vs Slug



Right In: 1103.029 ± 0.276 $\chi^2/\text{NDF}: 12050.2/17$

Left Out: 1107.127 ± 0.182 $\chi^2/\text{NDF}: 3783.7/23$

Right Out: 1118.802 ± 0.263 $\chi^2/\text{NDF}: 12421.5/20$

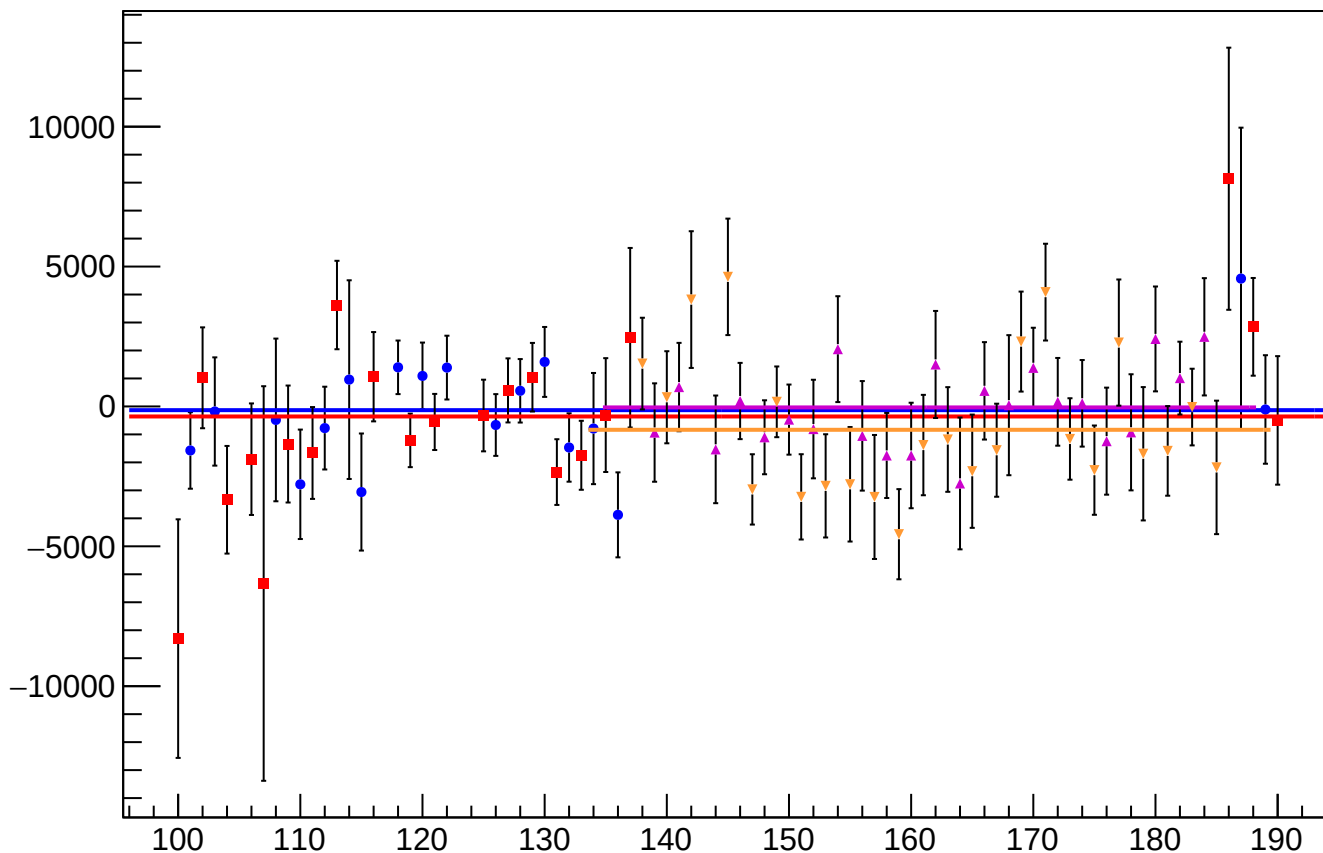
Left In: 1108.145 ± 0.183 $\chi^2/\text{NDF}: 4190.5/22$

+ sign 1105.890 ± 0.152 $\chi^2/\text{NDF}: 15987.4/41$

All: 1108.790 ± 0.107 $\chi^2/\text{NDF}: 34428.5/85$

- sign 1111.625 ± 0.150 $\chi^2/\text{NDF}: 17719.7/43$

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -133.243 ± 344.985 χ^2/NDF : 21.2/17

Left Out: -835.291 ± 350.615 χ^2/NDF : 43.6/23

Right Out: -358.908 ± 338.891 χ^2/NDF : 30.1/20

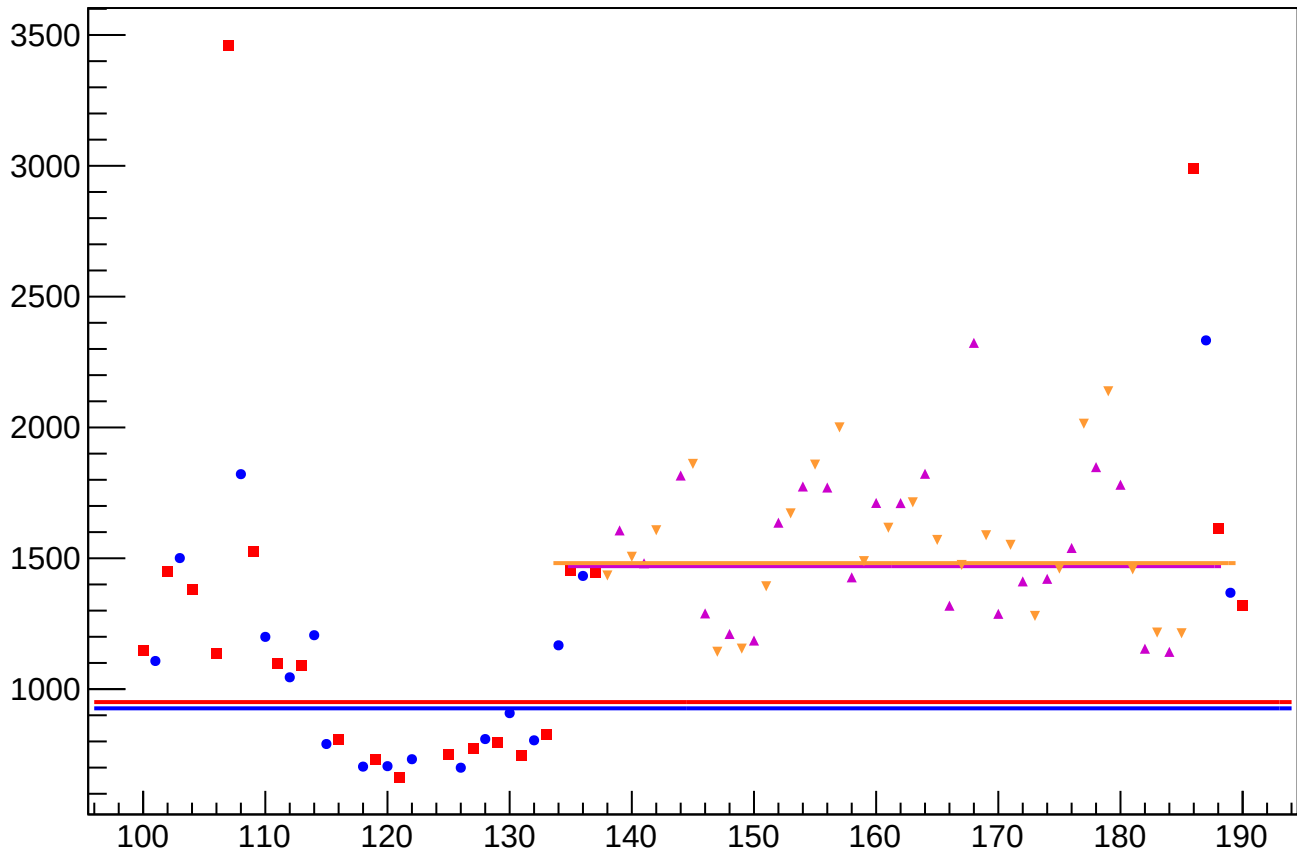
Left In: -35.516 ± 349.636 χ^2/NDF : 13.1/22

+ sign -478.585 ± 245.908 χ^2/NDF : 66.8/41

All: -338.972 ± 172.969 χ^2/NDF : 111.2/85

- sign -202.258 ± 243.342 χ^2/NDF : 43.7/43

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 926.489 $\pm$ 0.244 χ^2 /NDF: 1325869.2/17

Left Out: 1481.545 $\pm$ 0.248 χ^2 /NDF:1017460.8/23

Right Out: 950.417 $\pm$ 0.240 χ^2 /NDF: 2093739.8/20

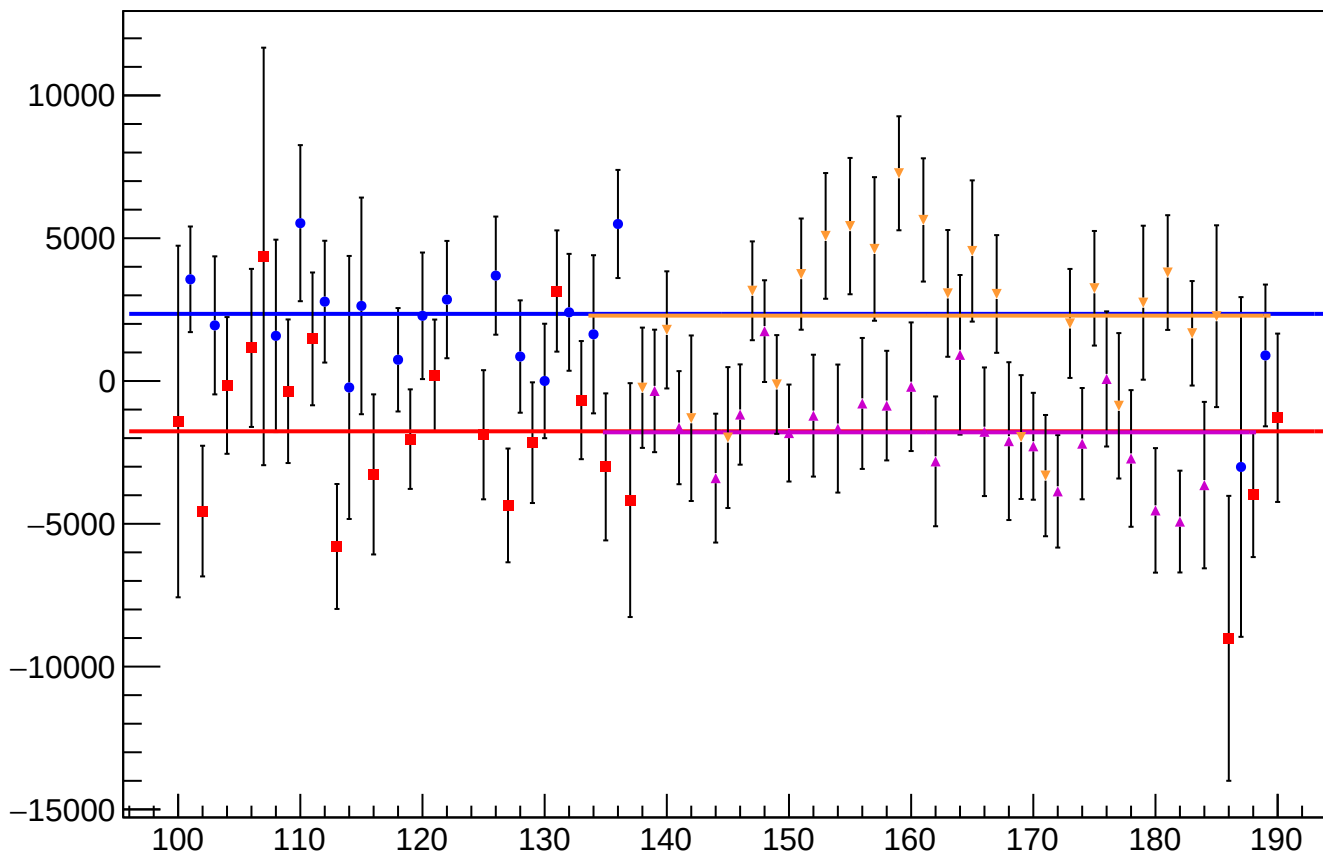
Left In: 1469.908 $\pm$ 0.247 χ^2 /NDF:1095054.0/22

+ sign 1199.525 $\pm$ 0.174 χ^2 /NDF: 4890072.0/41

All: 1200.804 $\pm$ 0.122 χ^2 /NDF: 10355476.2/8

- sign 1202.057 $\pm$ 0.172 χ^2 /NDF: 5465297.0/43

asym_usl_mean vs Slug



Right In: 2351.222 $\pm$ 546.542 χ^2 /NDF: 9.4/17

Left Out: 2289.701 $\pm$ 439.328 χ^2 /NDF:36.0/23

Right Out: -1761.294 $\pm$ 533.427 χ^2 /NDF: 21.8/20

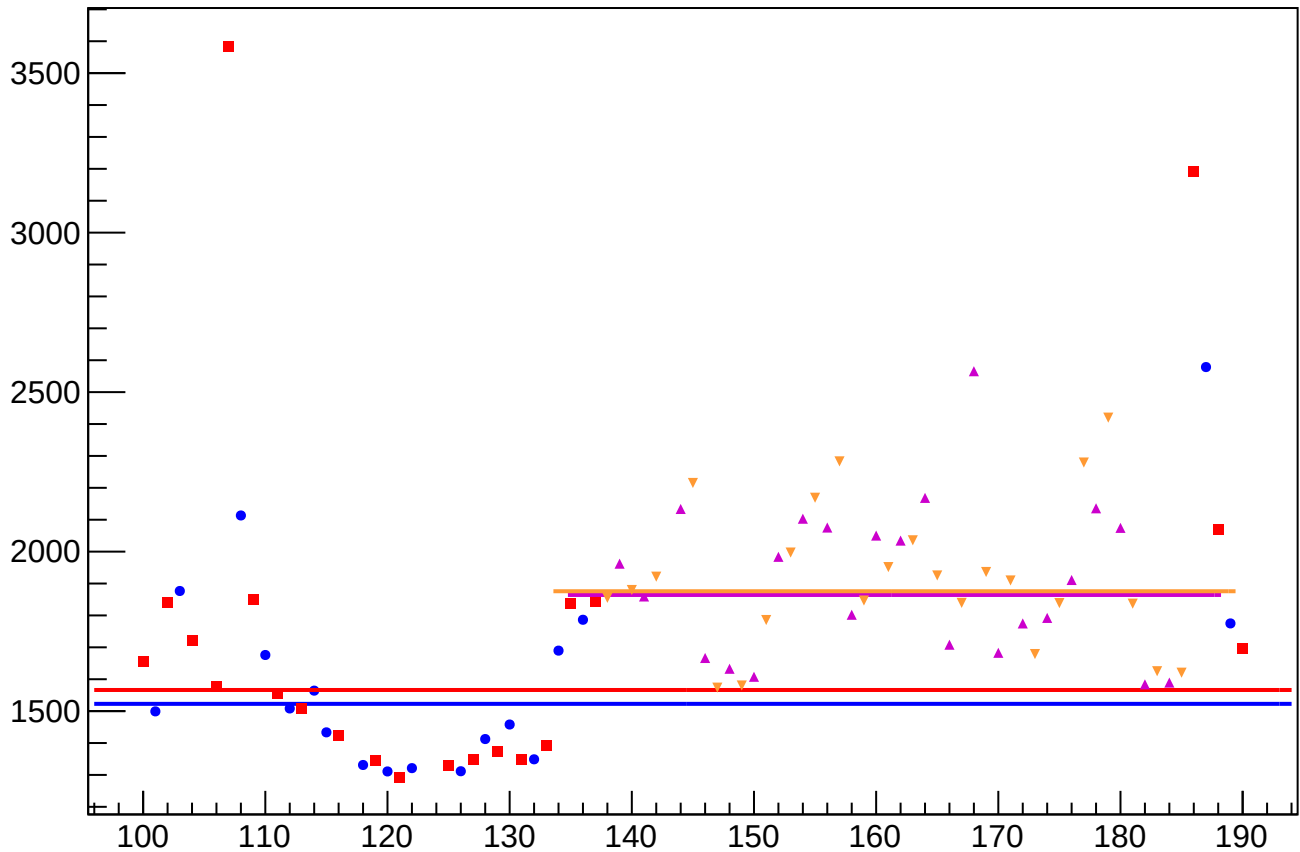
Left In: -1796.308 $\pm$ 439.143 χ^2 /NDF:14.2/22

+ sign 2313.849 $\pm$ 342.417 χ^2 /NDF: 45.5/41

All: 245.514 $\pm$ 240.920 χ^2 /NDF: 153.8/85

- sign -1782.163 $\pm$ 339.034 χ^2 /NDF: 36.1/43

asym_usl_rms vs Slug



Right In: 1522.793+/-0.386 χ^2/NDF : 345625.6/17

Left Out: 1875.818+/-0.311 χ^2/NDF : 472556.0/23

Right Out: 1566.270+/-0.377 χ^2/NDF : 746136.8/20

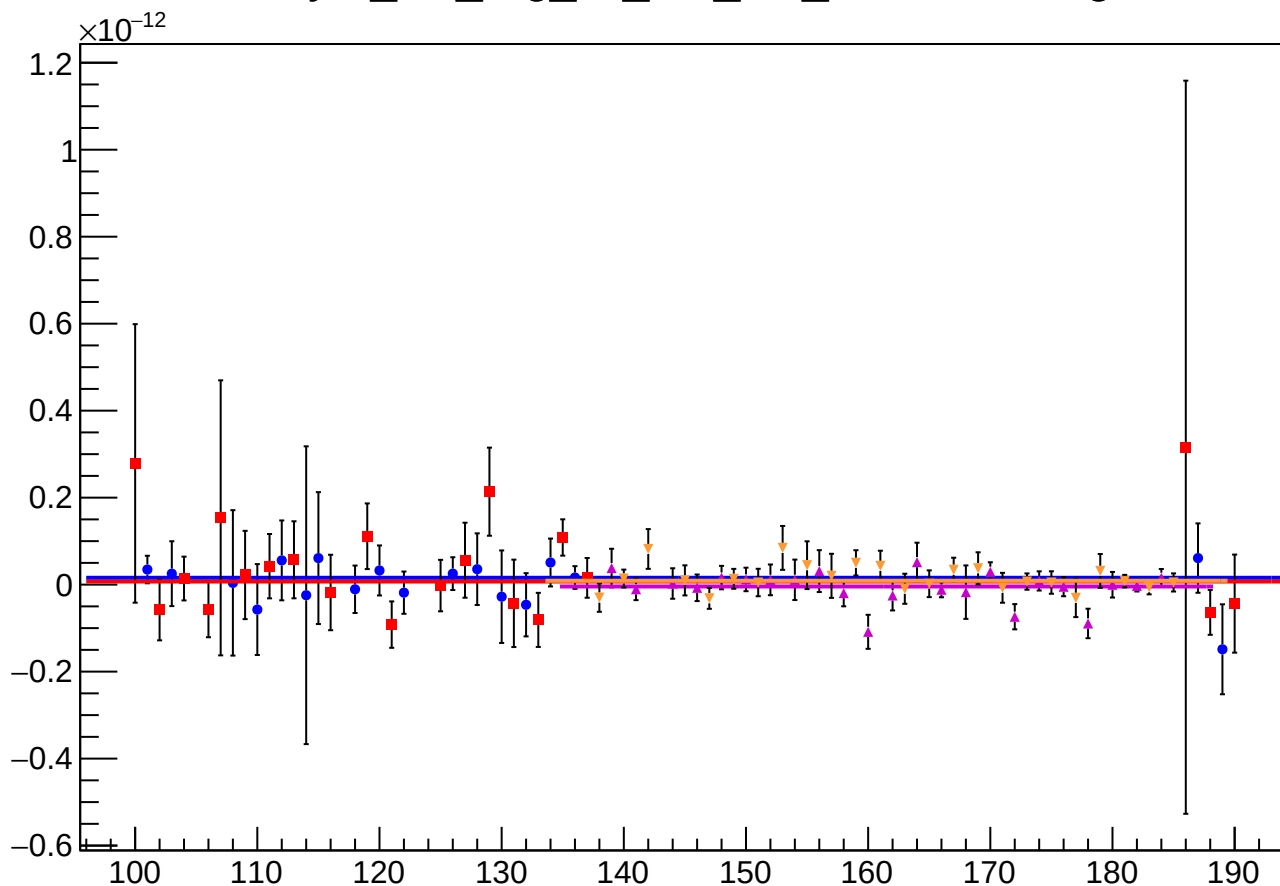
Left In: 1864.162+/-0.311 χ^2/NDF : 510600.5/22

+ sign 1737.249+/-0.242 χ^2/NDF : 1325085.9/41

All: 1740.570+/-0.170 χ^2/NDF : 2953964.6/85

- sign 1743.826+/-0.240 χ^2/NDF : 1628506.1/43

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6.3/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:16.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/20

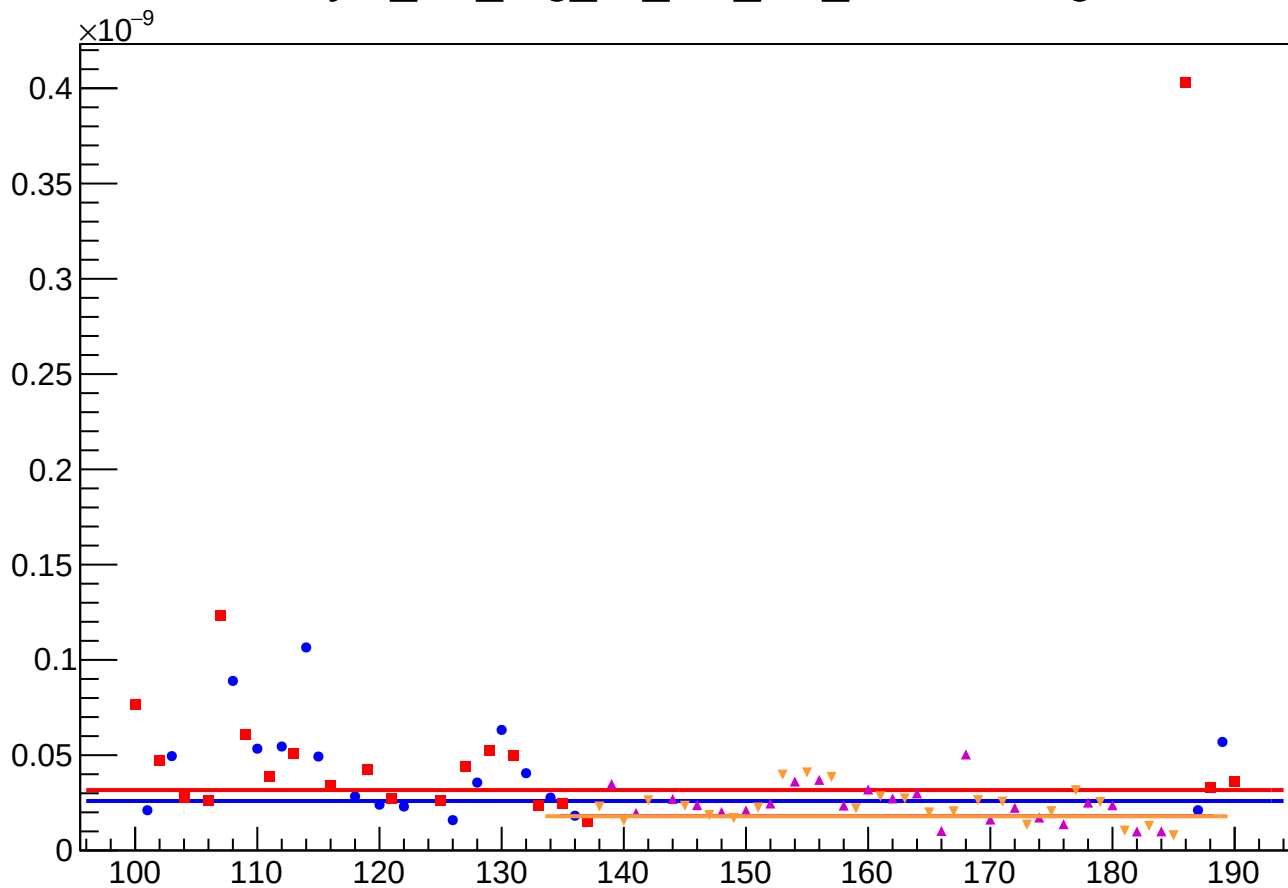
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:28.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 23.1/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.6/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 52.4/43

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1896475.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3491055.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1620717.7/20

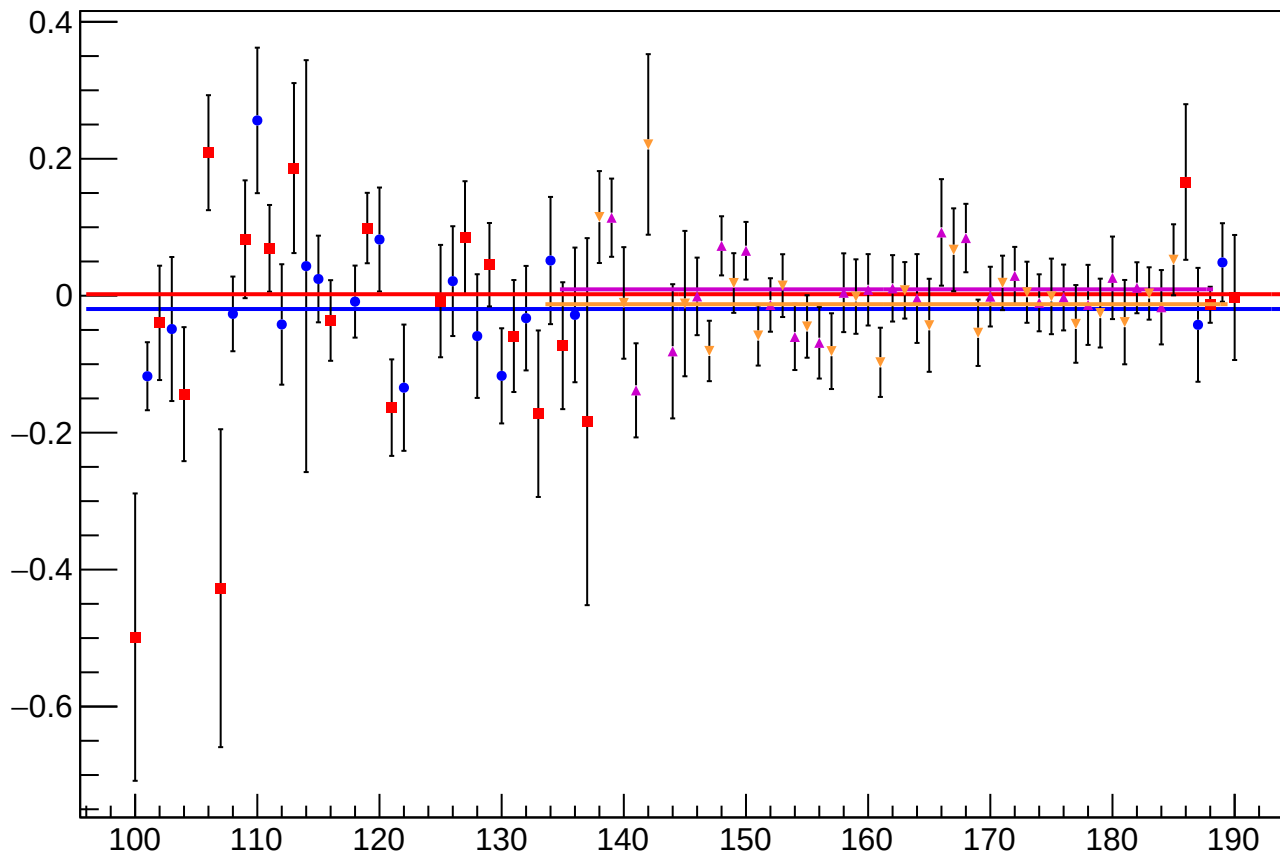
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4180182.9/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 6012637.2/41

All: 0.000 $\pm$ 0.000 χ^2/NDF : 13243165.1/85

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 7220331.5/43

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.019 ± 0.017 χ^2/NDF : 19.2/17

Left Out: -0.012 ± 0.010 χ^2/NDF : 21.9/23

Right Out: 0.002 ± 0.015 χ^2/NDF : 39.0/20

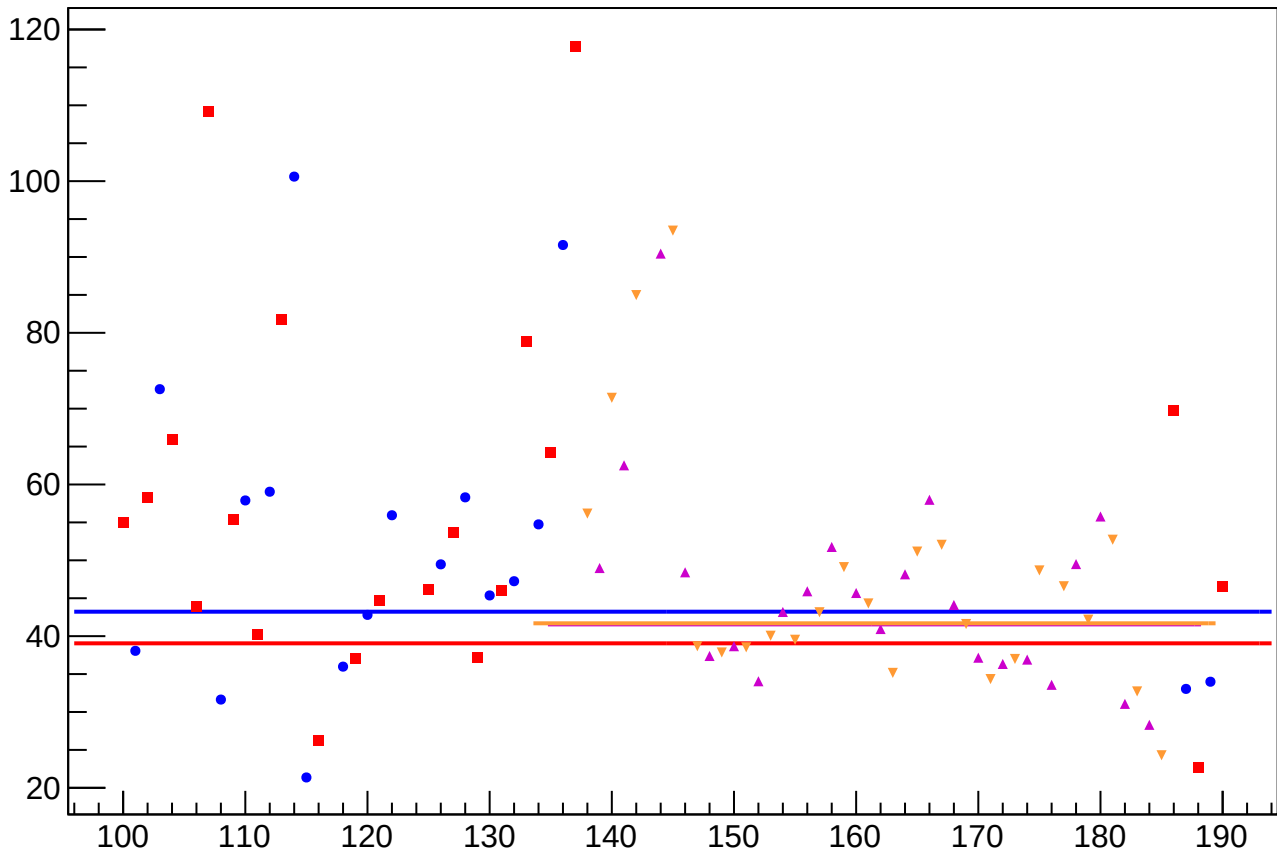
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

+ sign -0.014 ± 0.009 χ^2/NDF : 41.3/41

All: -0.003 ± 0.006 χ^2/NDF : 105.3/85

- sign 0.007 ± 0.009 χ^2/NDF : 61.1/43

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 43.225 $\pm$ 0.012 χ^2/NDF : 1429323.3/17

Left Out: 41.694 $\pm$ 0.007 χ^2/NDF : 1821790.0/23

Right Out: 39.053 $\pm$ 0.011 χ^2/NDF : 2434915.6/20

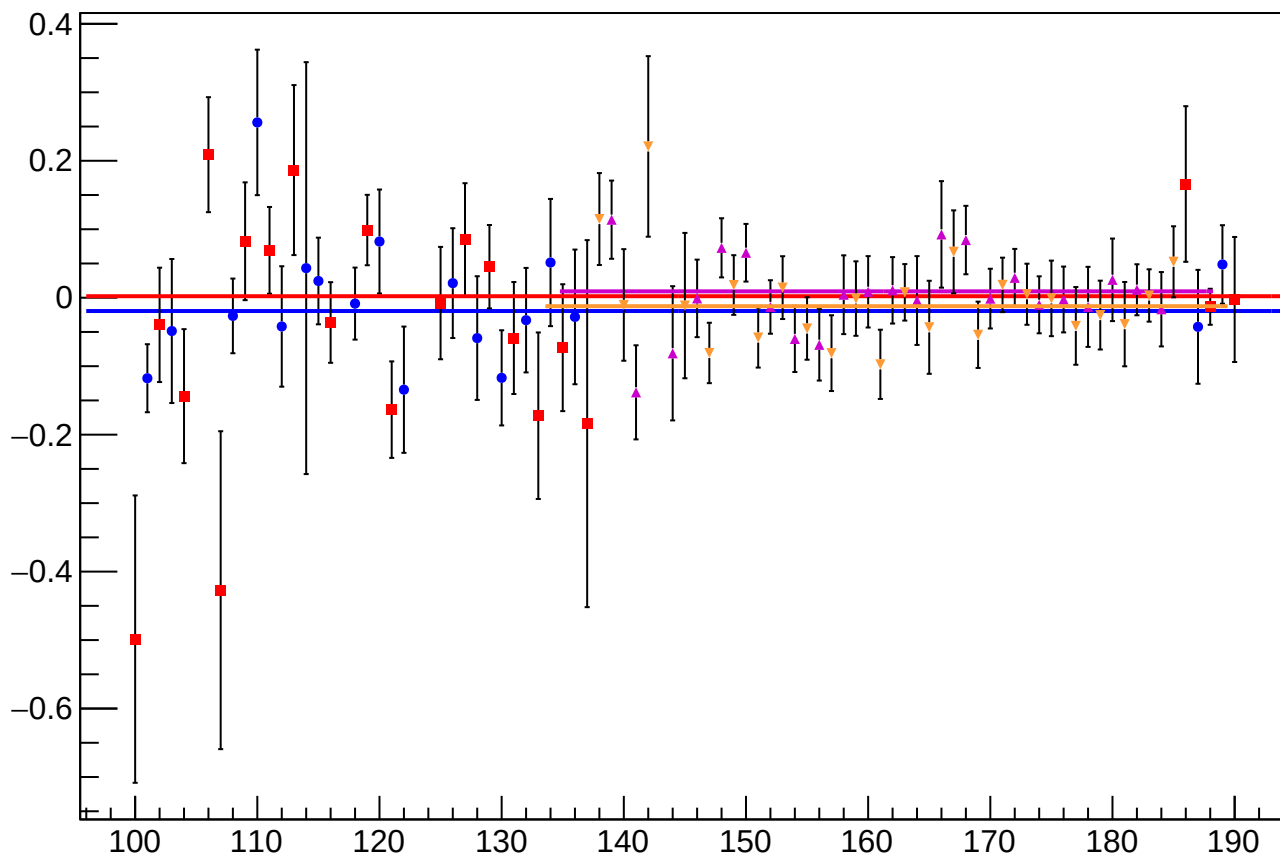
Left In: 41.550 $\pm$ 0.007 χ^2/NDF : 1612979.7/22

+ sign 42.101 $\pm$ 0.006 χ^2/NDF : 3262422.0/41

All: 41.398 $\pm$ 0.004 χ^2/NDF : 7370269.9/85

- sign 40.749 $\pm$ 0.006 χ^2/NDF : 4084326.6/43

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.019 ± 0.017 χ^2/NDF : 19.2/17

Left Out: -0.012 ± 0.010 χ^2/NDF : 21.9/23

Right Out: 0.002 ± 0.015 χ^2/NDF : 39.0/20

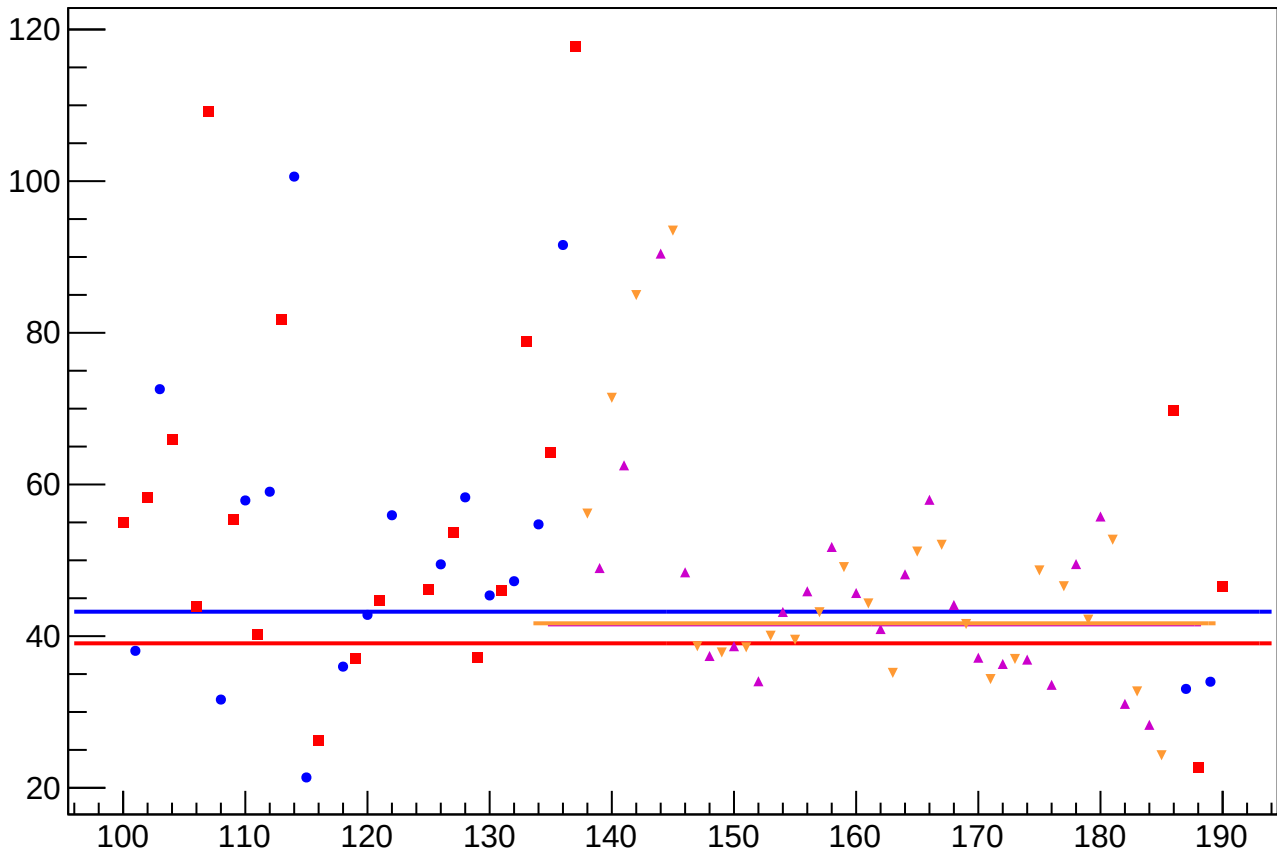
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

+ sign -0.014 ± 0.009 χ^2/NDF : 41.3/41

All: -0.003 ± 0.006 χ^2/NDF : 105.3/85

- sign 0.007 ± 0.009 χ^2/NDF : 61.1/43

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.225 $\pm$ 0.012 χ^2/NDF : 1429323.3/17

Left Out: 41.694 $\pm$ 0.007 χ^2/NDF : 1821790.0/23

Right Out: 39.053 $\pm$ 0.011 χ^2/NDF : 2434915.6/20

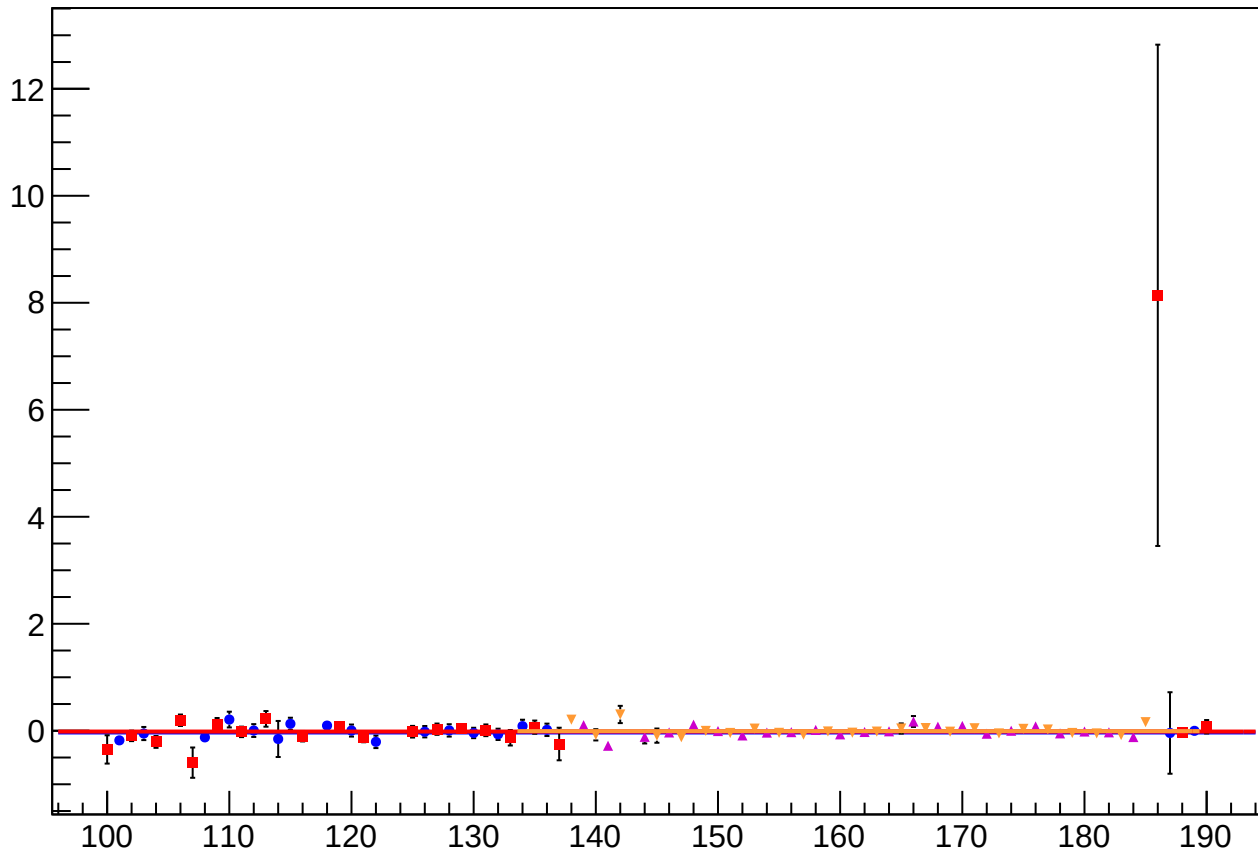
Left In: 41.550 $\pm$ 0.007 χ^2/NDF : 1612979.7/22

+ sign 42.101 $\pm$ 0.006 χ^2/NDF : 3262422.0/41

All: 41.398 $\pm$ 0.004 χ^2/NDF : 7370269.9/85

- sign 40.749 $\pm$ 0.006 χ^2/NDF : 4084326.6/43

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.032 ± 0.025 χ^2/NDF : 17.6/17

Left Out: -0.007 ± 0.015 χ^2/NDF : 23.7/23

Right Out: -0.014 ± 0.023 χ^2/NDF : 26.6/20

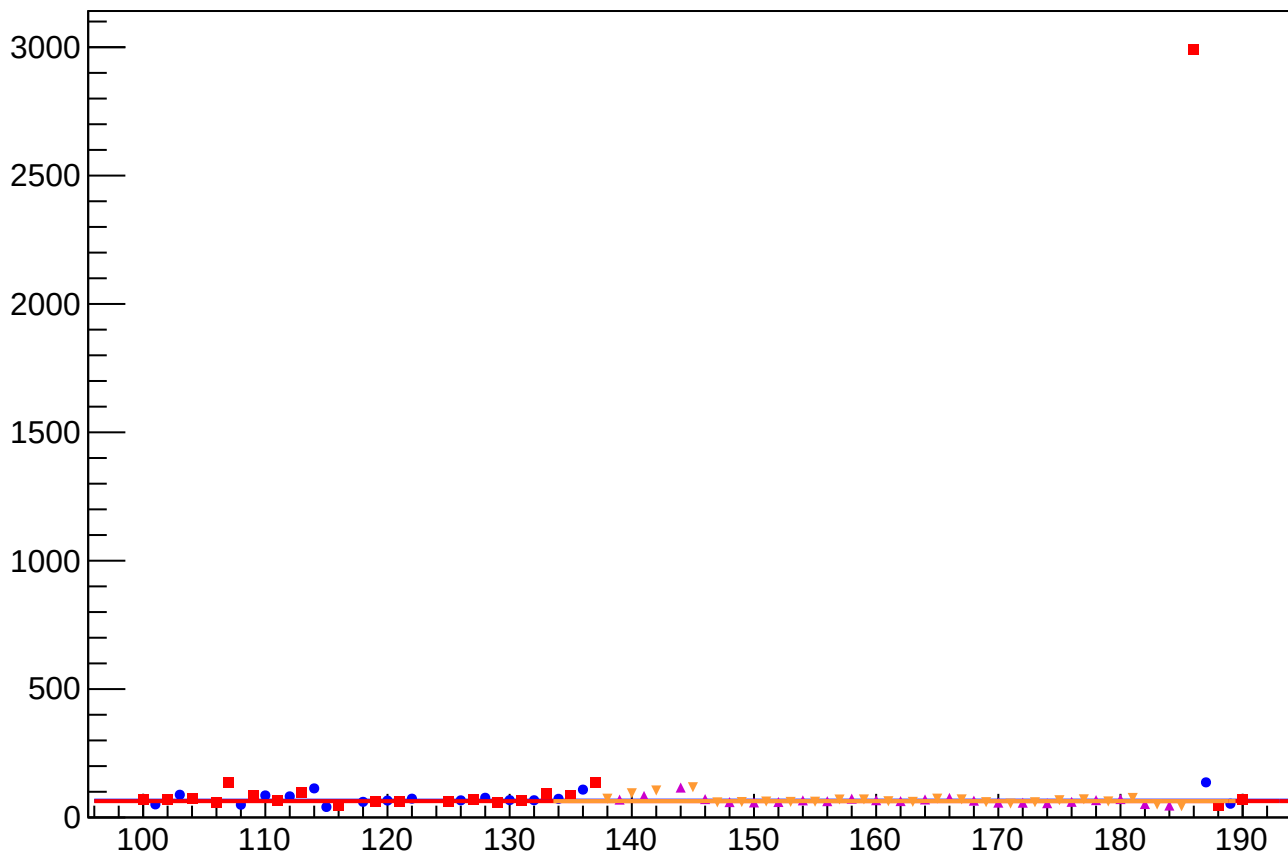
Left In: -0.008 ± 0.015 χ^2/NDF : 28.1/22

+ sign -0.014 ± 0.013 χ^2/NDF : 42.0/41

All: -0.012 ± 0.009 χ^2/NDF : 96.8/85

- sign -0.010 ± 0.013 χ^2/NDF : 54.8/43

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.377 $\pm$ 0.018 χ^2 /NDF: 829644.9/17

Left Out: 63.779 $\pm$ 0.011 χ^2 /NDF: 1078823.1/23

Right Out: 63.482 $\pm$ 0.016 χ^2 /NDF: 1737905.9/20

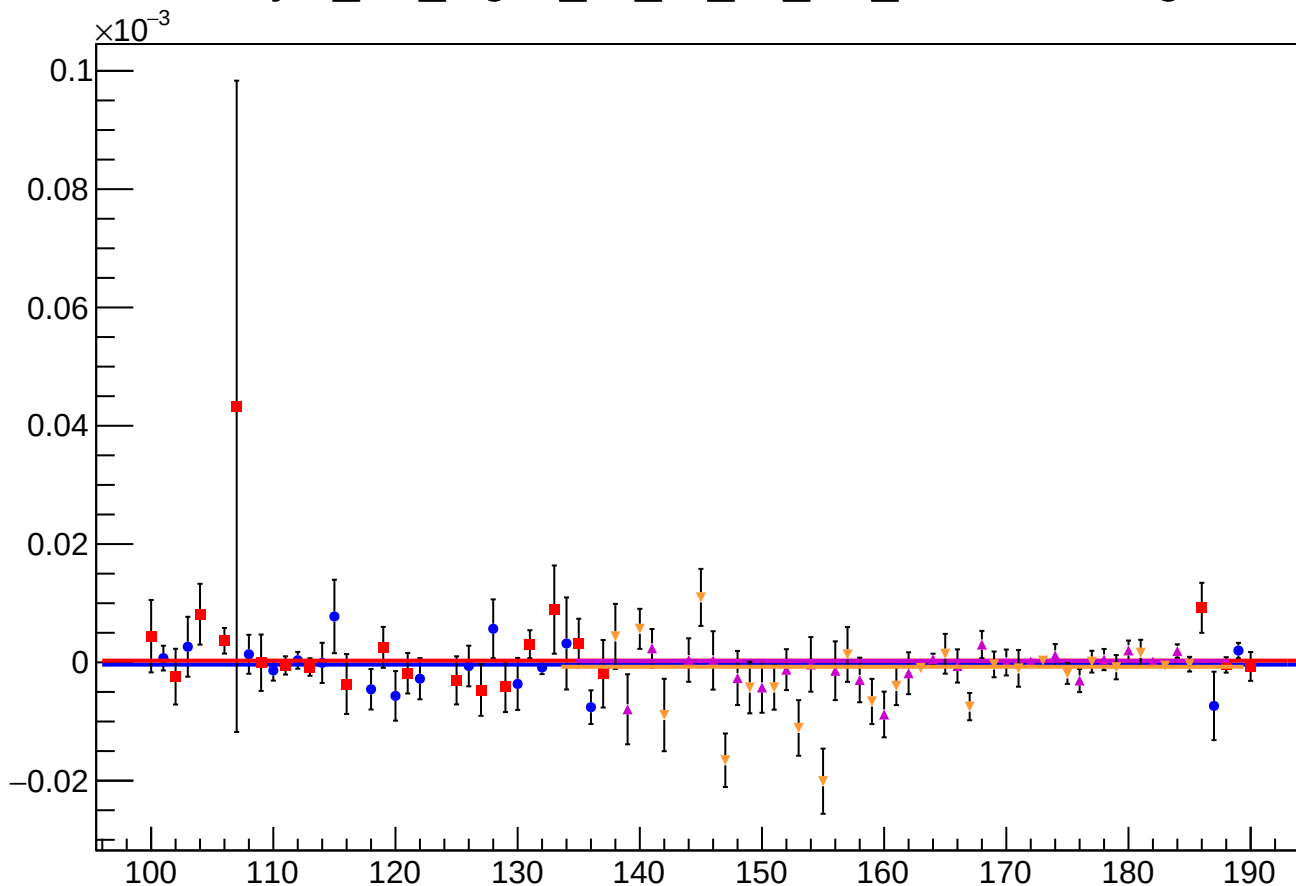
Left In: 64.036 $\pm$ 0.011 χ^2 /NDF: 838789.3/22

+ sign 64.214 $\pm$ 0.009 χ^2 /NDF: 1914333.7/41

All: 64.037 $\pm$ 0.007 χ^2 /NDF: 4492527.9/85

- sign 63.866 $\pm$ 0.009 χ^2 /NDF: 2577479.1/43

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:60.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/20

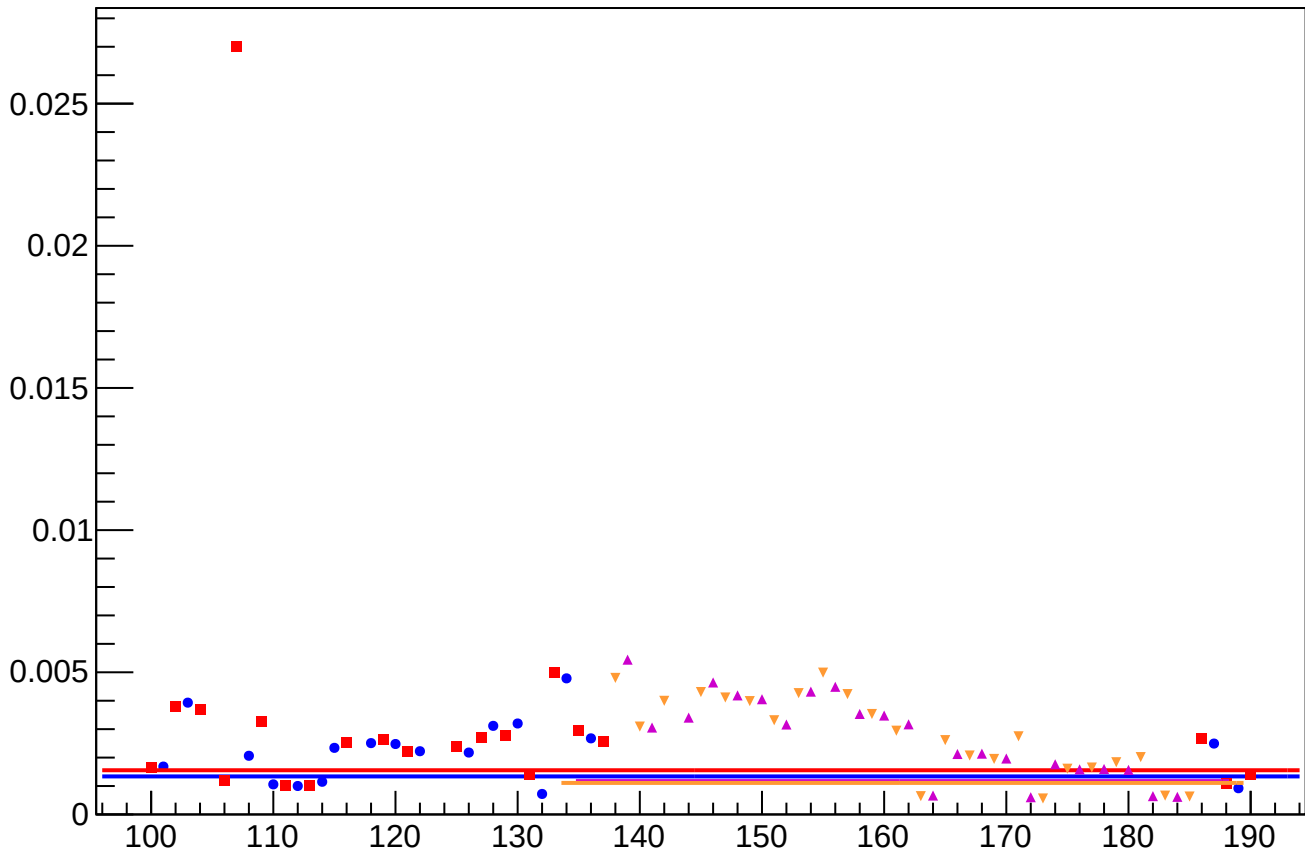
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.8/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 80.6/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 123.8/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.6/43

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 ± 0.000 χ^2/NDF : 3862425.3/17

Left Out: 0.001 ± 0.000 χ^2/NDF : 15160045.8/23

Right Out: 0.002 ± 0.000 χ^2/NDF : 3903165.4/20

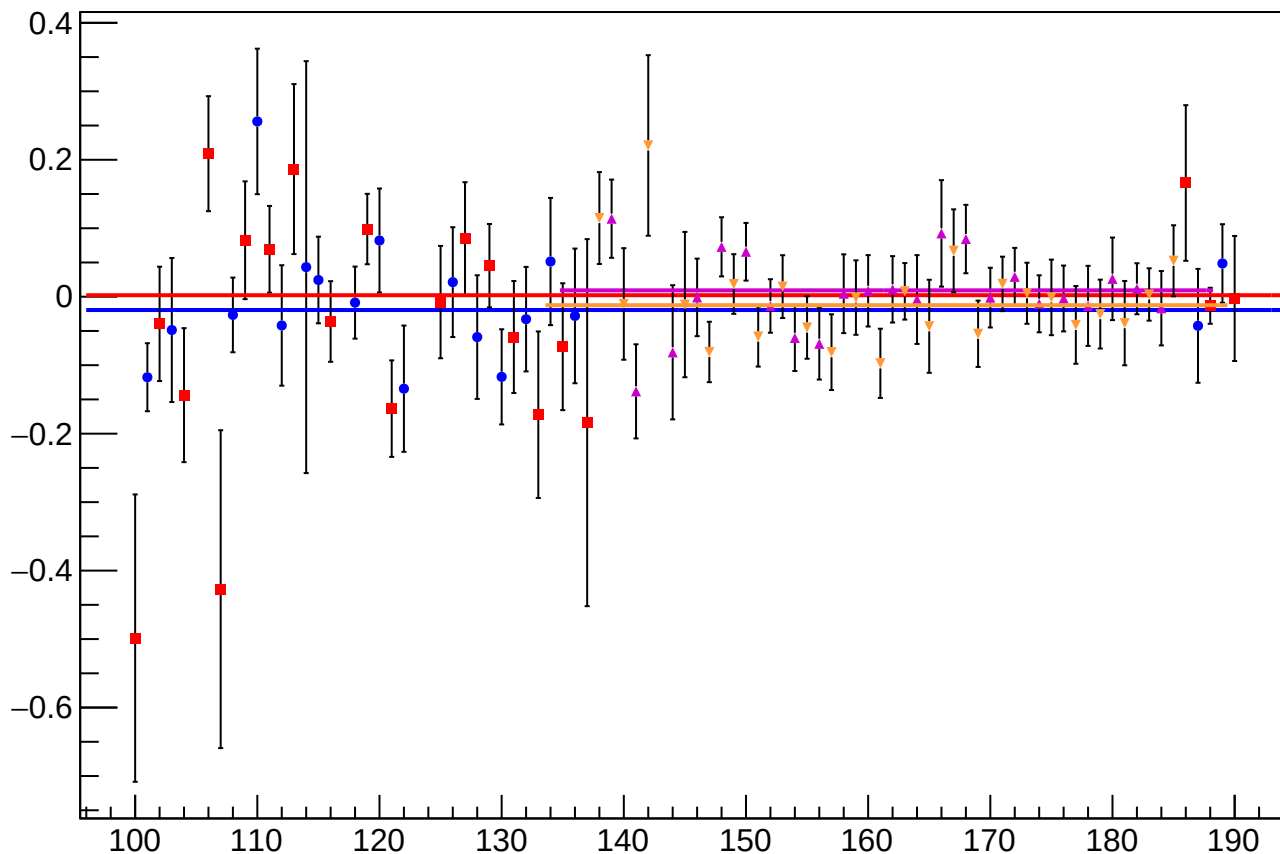
Left In: 0.001 ± 0.000 χ^2/NDF : 14252589.1/22

+ sign 0.001 ± 0.000 χ^2/NDF : 19267971.1/41

All: 0.001 ± 0.000 χ^2/NDF : 38121737.6/85

- sign 0.001 ± 0.000 χ^2/NDF : 18743891.0/43

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.019 ± 0.017 χ^2/NDF : 19.2/17

Left Out: -0.012 ± 0.010 χ^2/NDF : 21.9/23

Right Out: 0.002 ± 0.015 χ^2/NDF : 39.0/20

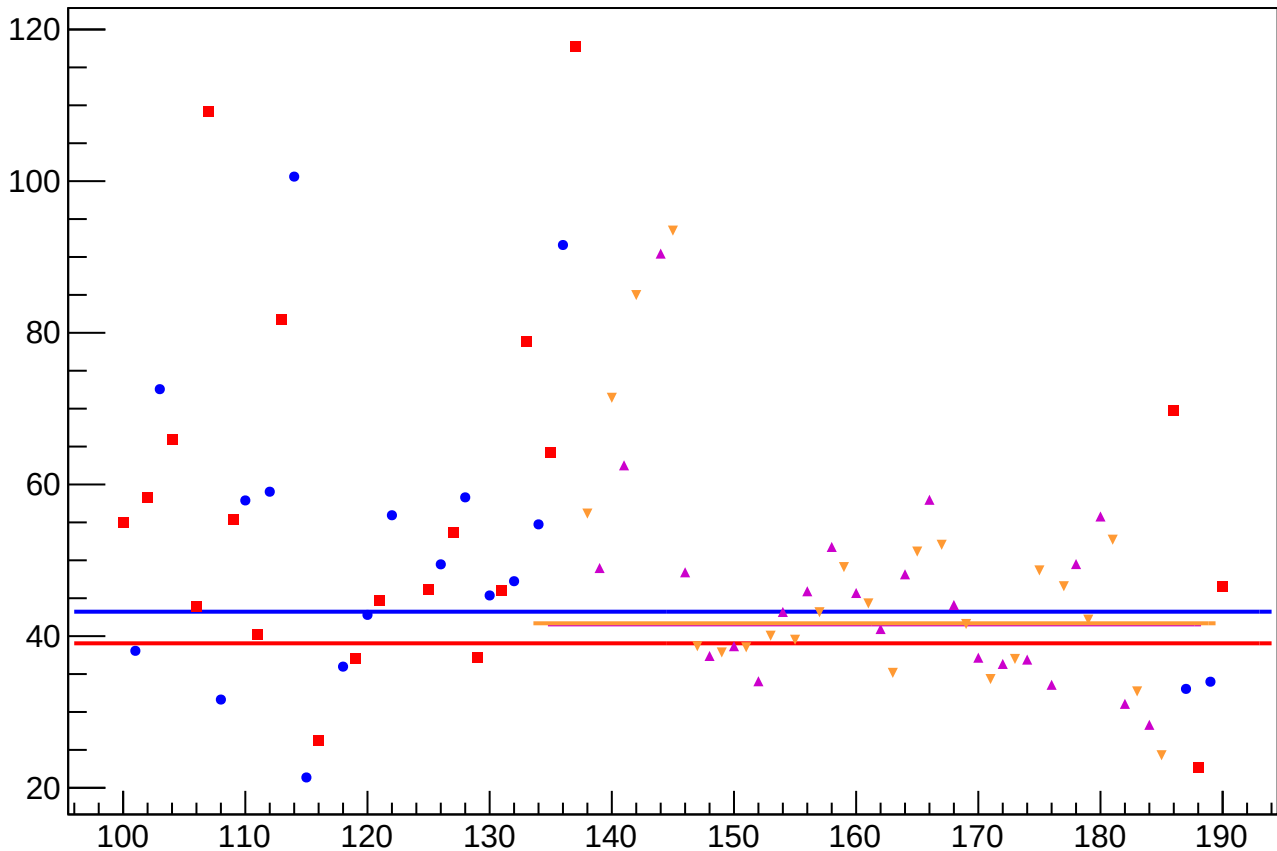
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

+ sign -0.014 ± 0.009 χ^2/NDF : 41.3/41

All: -0.003 ± 0.006 χ^2/NDF : 105.3/85

- sign 0.007 ± 0.009 χ^2/NDF : 61.1/43

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 43.224 $\pm$ 0.012 χ^2 /NDF: 1429369.7/17

Left Out: 41.695 $\pm$ 0.007 χ^2 /NDF: 1821753.6/23

Right Out: 39.054 $\pm$ 0.011 χ^2 /NDF: 2434738.4/20

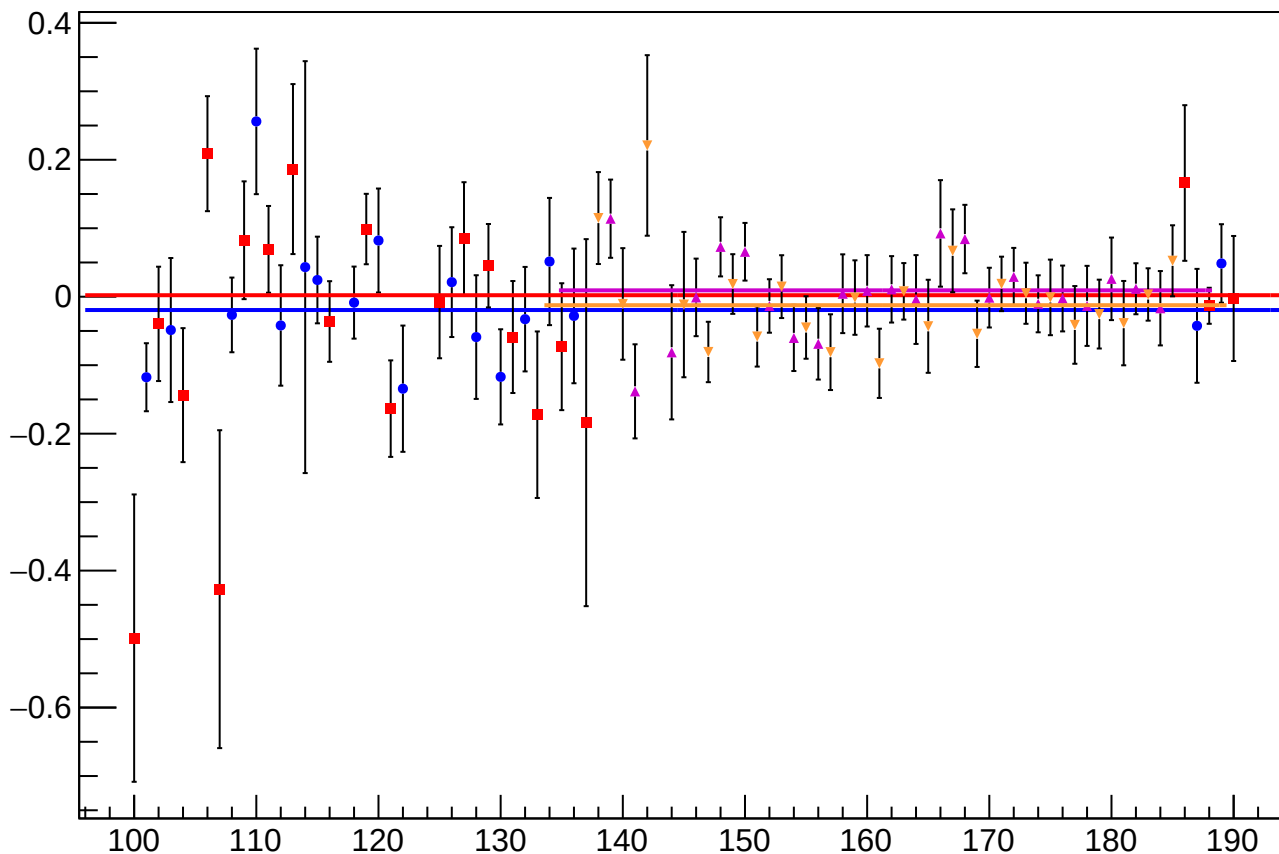
Left In: 41.551 $\pm$ 0.007 χ^2 /NDF: 1612941.1/22

+ sign 42.101 $\pm$ 0.006 χ^2 /NDF: 3262419.0/41

All: 41.398 $\pm$ 0.004 χ^2 /NDF: 7370037.0/85

- sign 40.750 $\pm$ 0.006 χ^2 /NDF: 4084110.0/43

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.019 ± 0.017 χ^2/NDF : 19.2/17

Left Out: -0.012 ± 0.010 χ^2/NDF : 21.9/23

Right Out: 0.002 ± 0.015 χ^2/NDF : 39.0/20

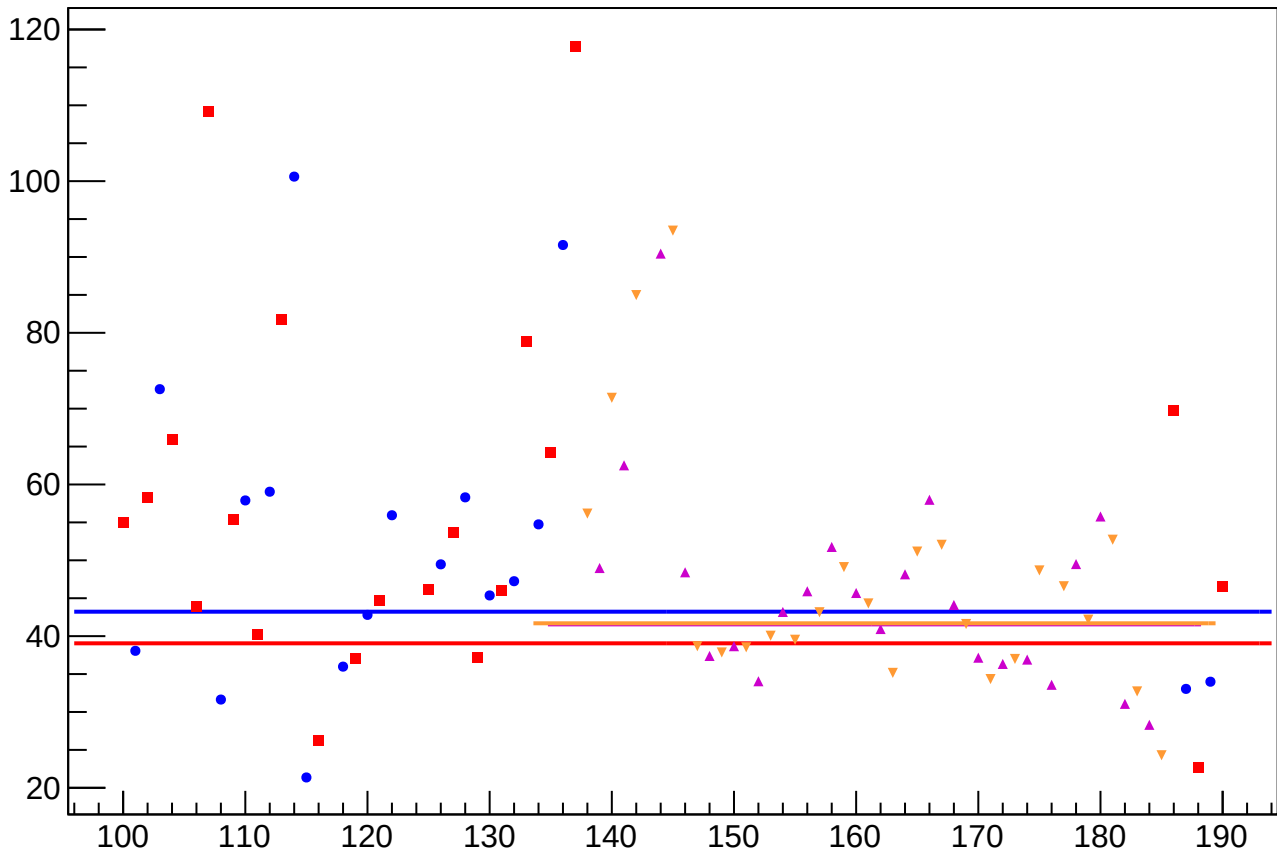
Left In: 0.009 ± 0.010 χ^2/NDF : 21.9/22

+ sign -0.014 ± 0.009 χ^2/NDF : 41.3/41

All: -0.003 ± 0.006 χ^2/NDF : 105.3/85

- sign 0.007 ± 0.009 χ^2/NDF : 61.1/43

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.224 $\pm$ 0.012 χ^2 /NDF: 1429369.7/17

Left Out: 41.695 $\pm$ 0.007 χ^2 /NDF: 1821753.6/23

Right Out: 39.054 $\pm$ 0.011 χ^2 /NDF: 2434738.4/20

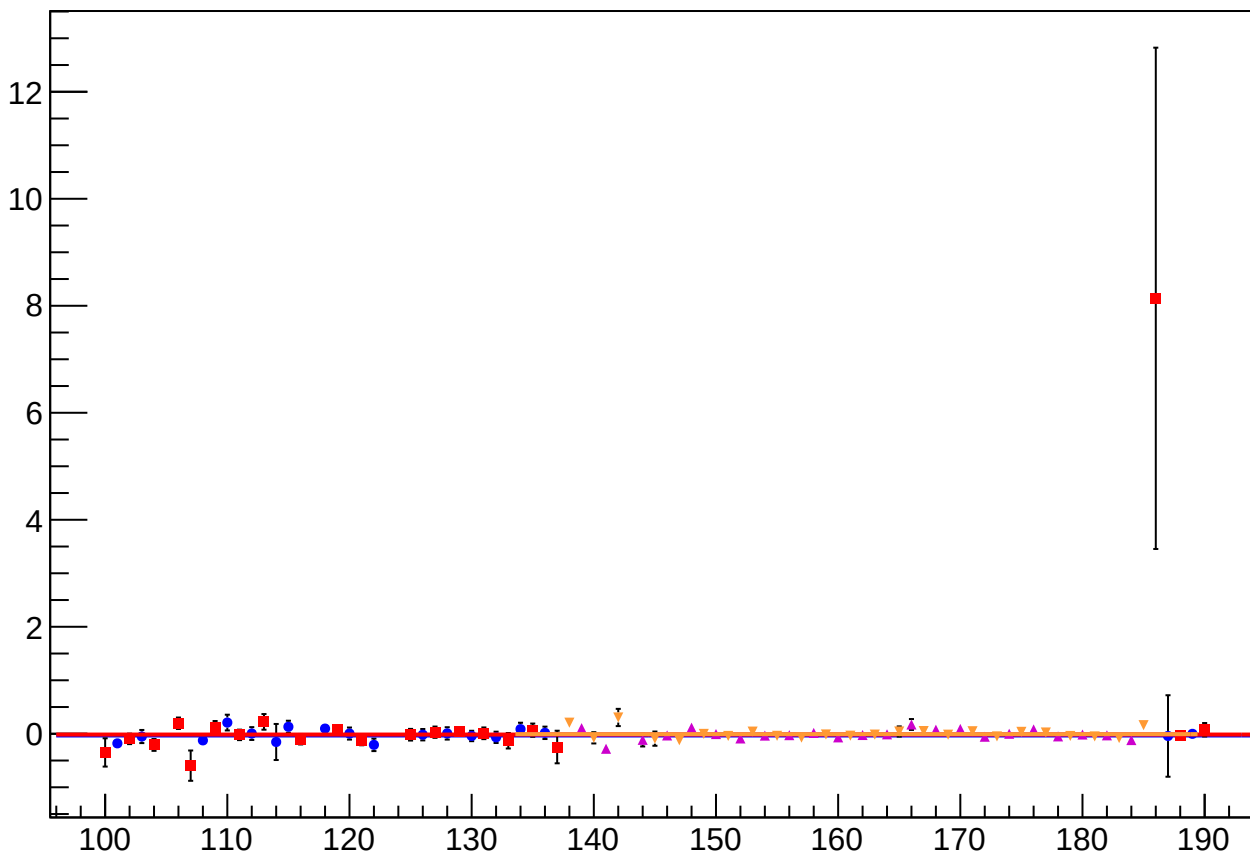
Left In: 41.551 $\pm$ 0.007 χ^2 /NDF: 1612941.1/22

+ sign 42.101 $\pm$ 0.006 χ^2 /NDF: 3262419.0/41

All: 41.398 $\pm$ 0.004 χ^2 /NDF: 7370037.0/85

- sign 40.750 $\pm$ 0.006 χ^2 /NDF: 4084110.0/43

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.032 ± 0.025 χ^2/NDF : 17.6/17

Left Out: -0.007 ± 0.015 χ^2/NDF : 23.7/23

Right Out: -0.014 ± 0.023 χ^2/NDF : 26.6/20

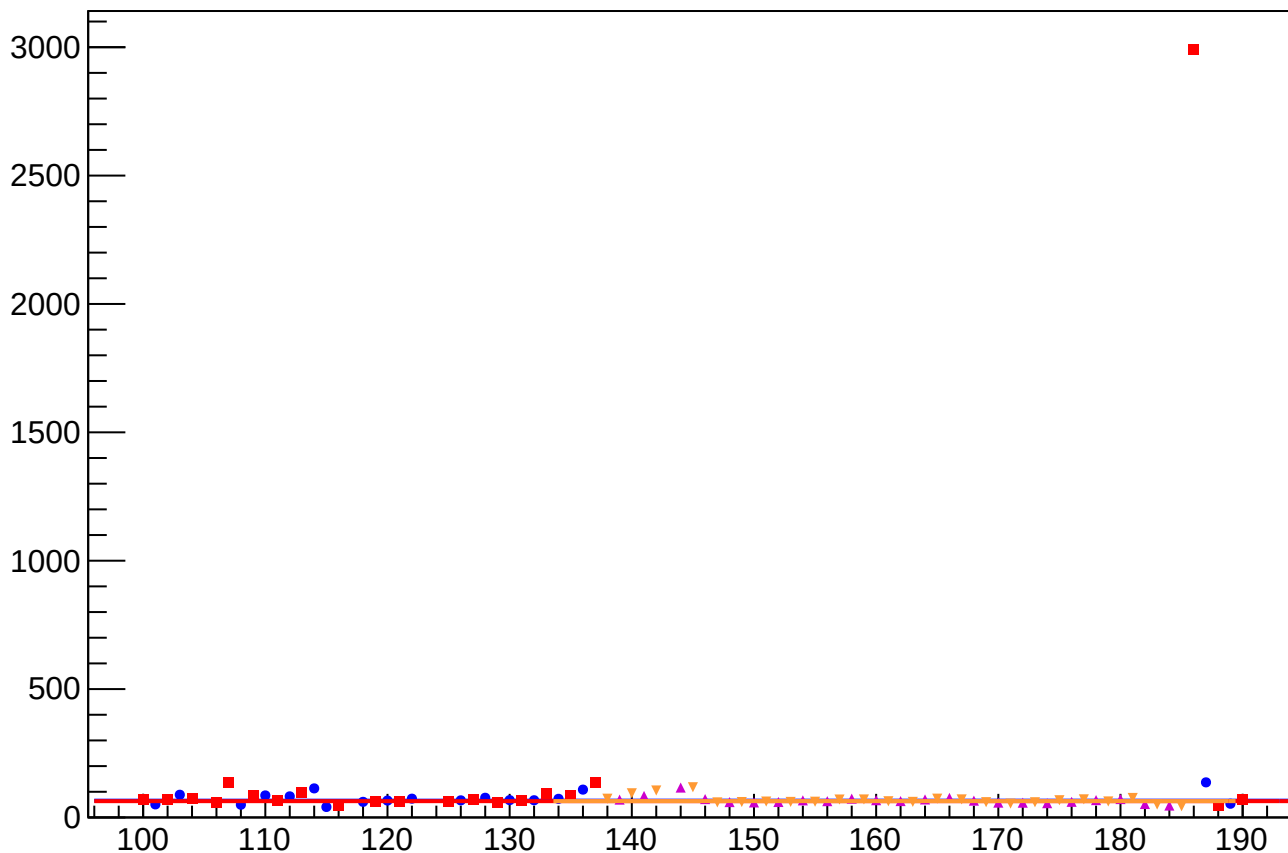
Left In: -0.008 ± 0.015 χ^2/NDF : 28.1/22

+ sign -0.014 ± 0.013 χ^2/NDF : 42.0/41

All: -0.012 ± 0.009 χ^2/NDF : 96.8/85

- sign -0.010 ± 0.013 χ^2/NDF : 54.8/43

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.377 $\pm$ 0.018 χ^2 /NDF: 829647.2/17

Left Out: 63.779 $\pm$ 0.011 χ^2 /NDF: 1078810.5/23

Right Out: 63.482 $\pm$ 0.016 χ^2 /NDF: 1737871.8/20

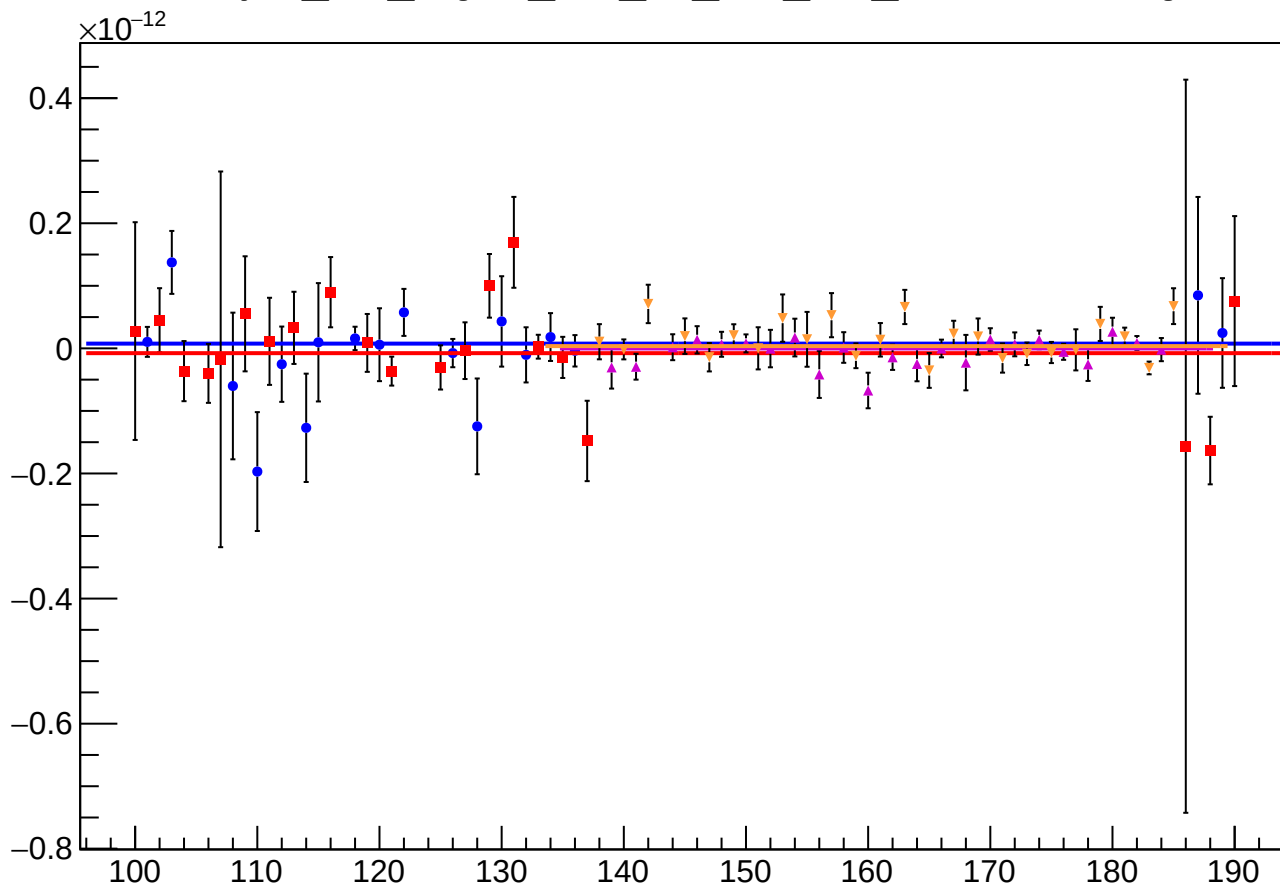
Left In: 64.036 $\pm$ 0.011 χ^2 /NDF: 838784.5/22

+ sign 64.214 $\pm$ 0.009 χ^2 /NDF: 1914319.9/41

All: 64.037 $\pm$ 0.007 χ^2 /NDF: 4492476.7/85

- sign 63.866 $\pm$ 0.009 χ^2 /NDF: 2577441.8/43

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:40.6/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.4/20

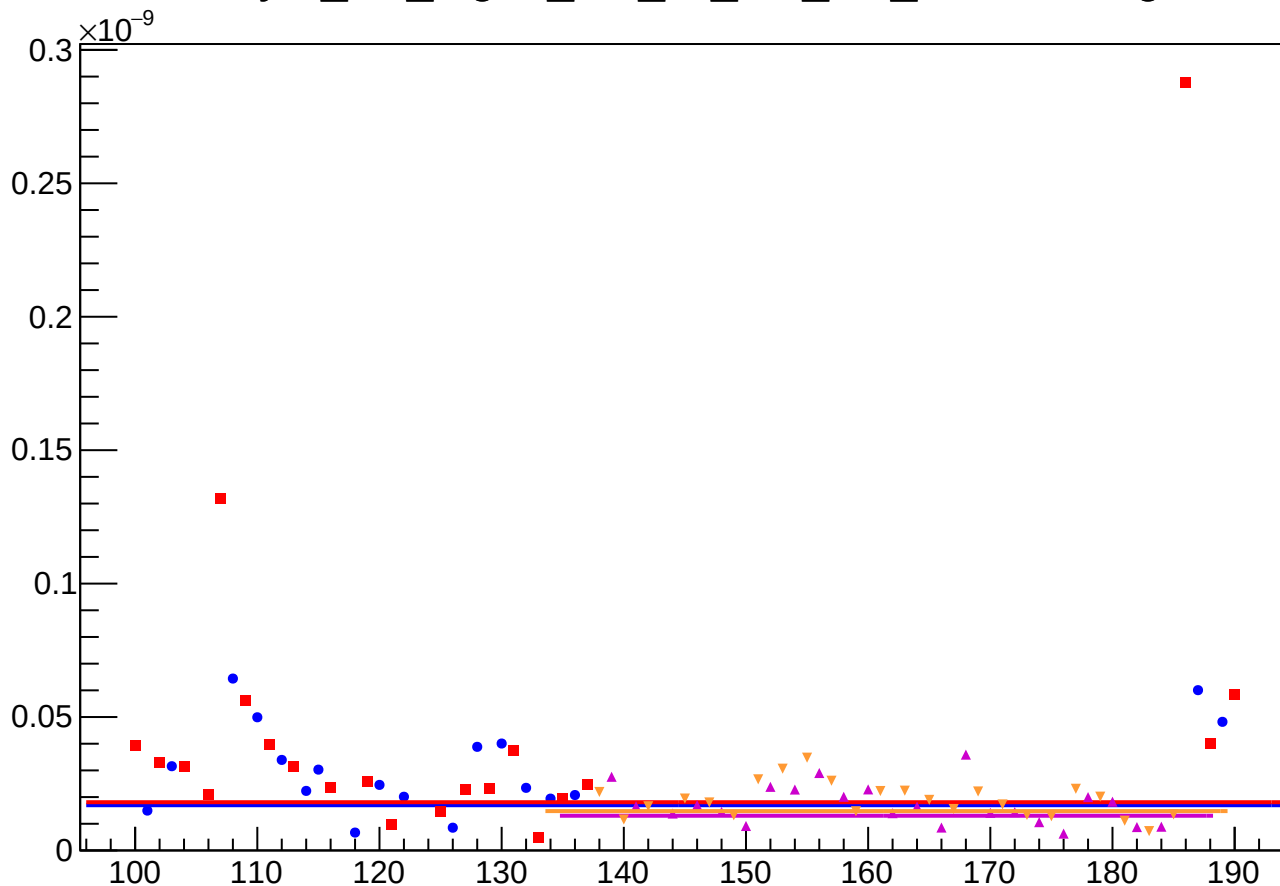
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:17.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 61.5/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 112.5/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 50.0/43

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2756036.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3739797.7/20

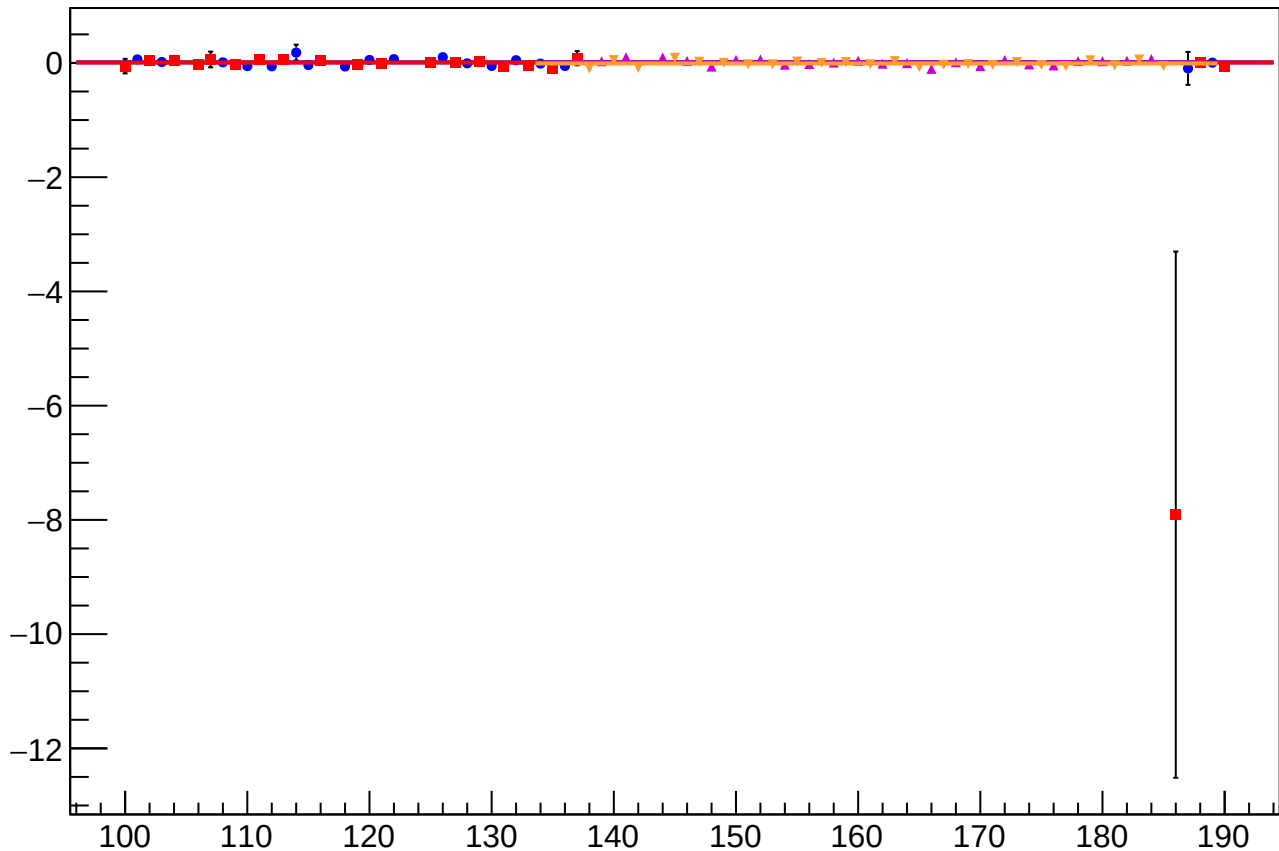
Left In: 0.000+/-0.000 χ^2/NDF : 3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 6381964.7/41

All: 0.000+/-0.000 χ^2/NDF : 14648113.6/85

- sign 0.000+/-0.000 χ^2/NDF : 8135242.6/43

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.013 χ^2/NDF : 14.9/17

Left Out: -0.010 ± 0.009 χ^2/NDF : 19.4/23

Right Out: 0.007 ± 0.012 χ^2/NDF : 14.2/20

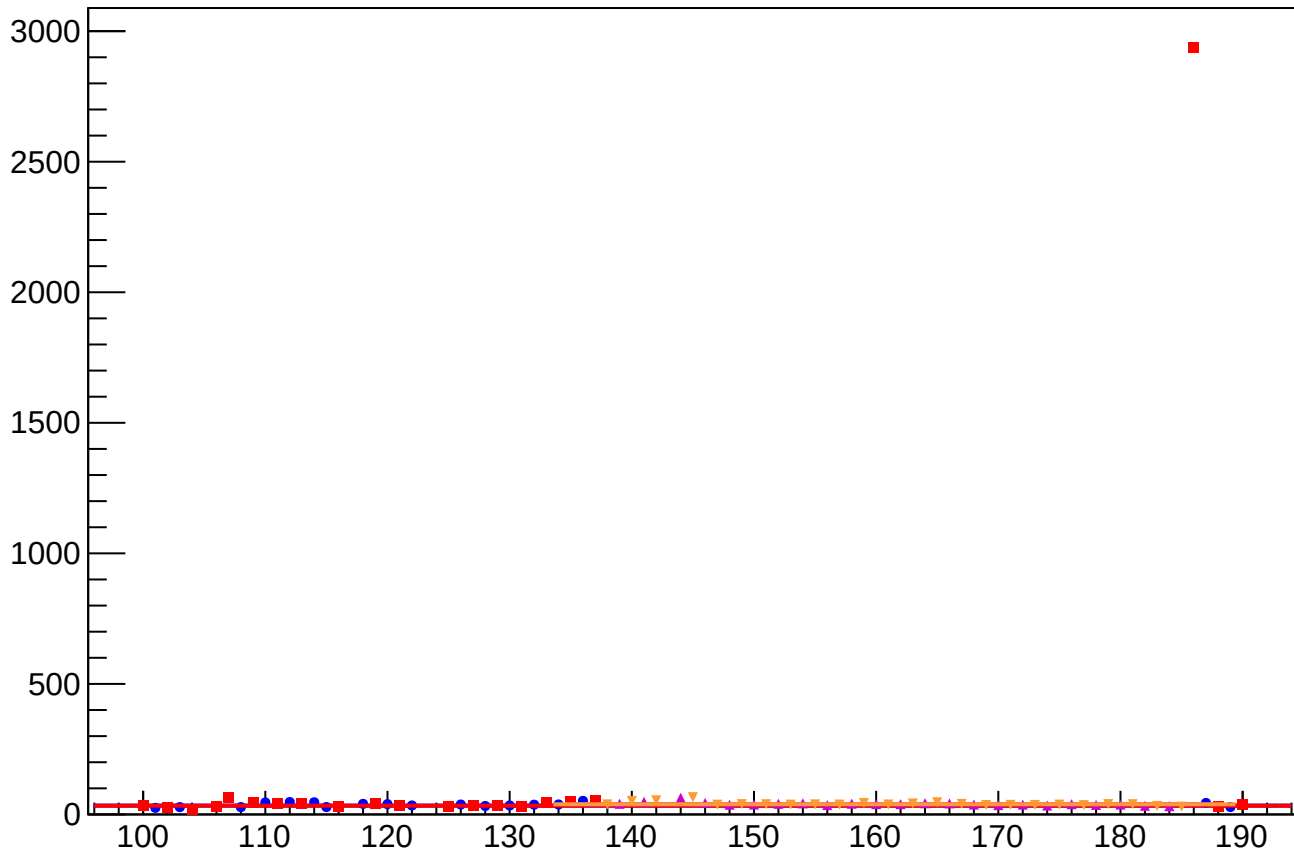
Left In: 0.011 ± 0.010 χ^2/NDF : 23.3/22

+ sign -0.003 ± 0.008 χ^2/NDF : 36.0/41

All: 0.004 ± 0.005 χ^2/NDF : 74.8/85

- sign 0.010 ± 0.008 χ^2/NDF : 37.5/43

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.813 $\pm$ 0.009 χ^2 /NDF: 667114.6/17

Left Out: 38.972 $\pm$ 0.007 χ^2 /NDF: 624525.1/23

Right Out: 33.580 $\pm$ 0.009 χ^2 /NDF: 1720399.3/20

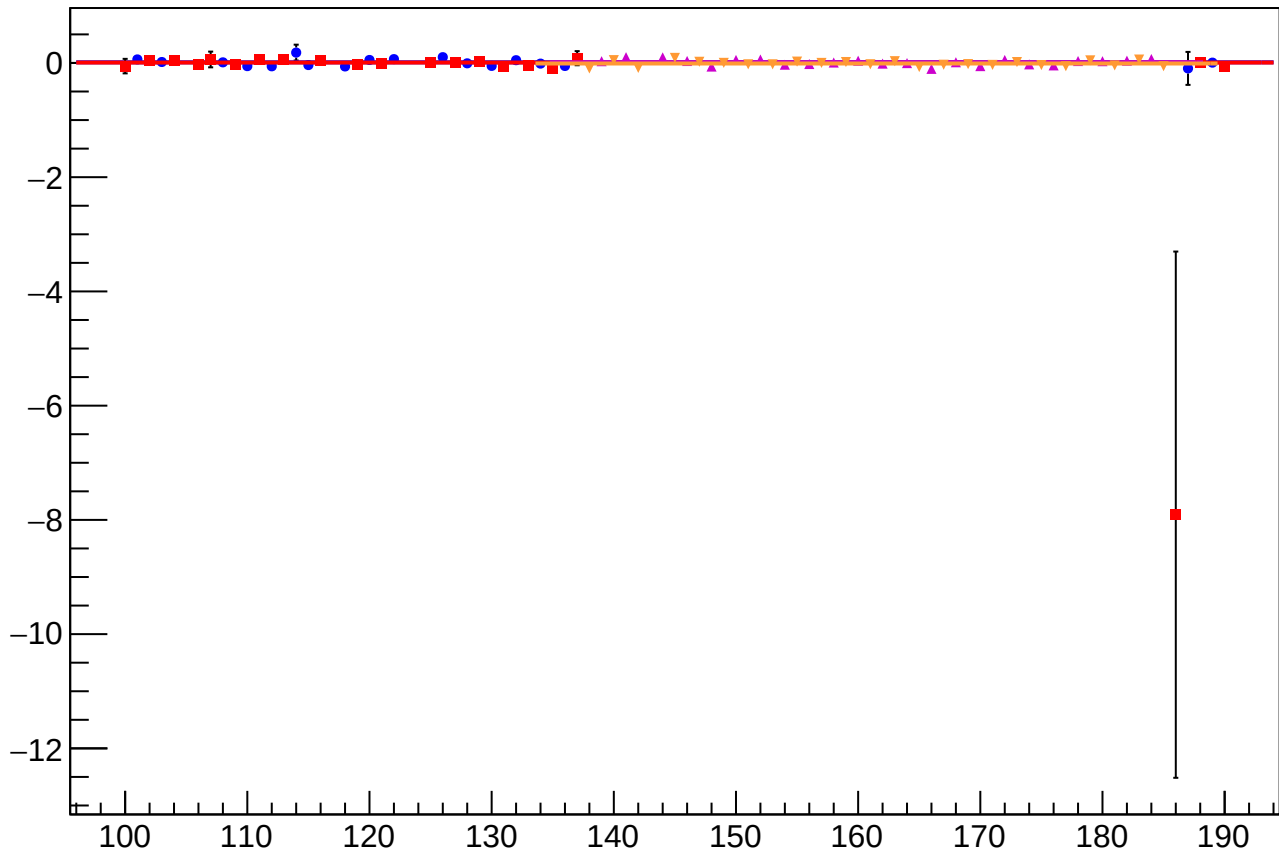
Left In: 39.179 $\pm$ 0.007 χ^2 /NDF: 521827.1/22

+ sign 37.192 $\pm$ 0.005 χ^2 /NDF: 1496676.3/41

All: 37.133 $\pm$ 0.004 χ^2 /NDF: 3996817.0/85

- sign 37.075 $\pm$ 0.005 χ^2 /NDF: 2499904.5/43

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.013 χ^2/NDF : 14.9/17

Left Out: -0.010 ± 0.009 χ^2/NDF : 19.4/23

Right Out: 0.007 ± 0.012 χ^2/NDF : 14.2/20

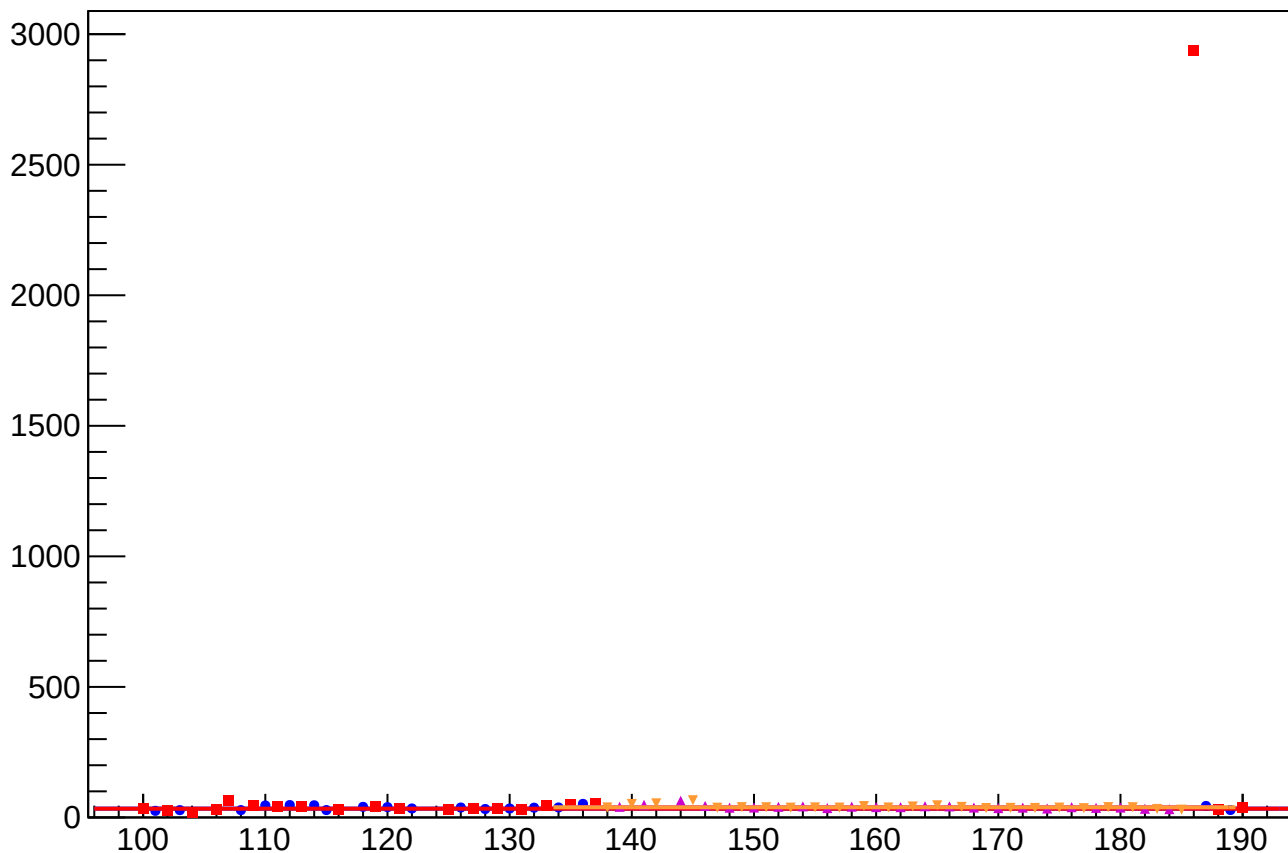
Left In: 0.011 ± 0.010 χ^2/NDF : 23.3/22

+ sign -0.003 ± 0.008 χ^2/NDF : 36.0/41

All: 0.004 ± 0.005 χ^2/NDF : 74.8/85

- sign 0.010 ± 0.008 χ^2/NDF : 37.5/43

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 33.813+/-0.009 χ^2/NDF : 667114.6/17

Left Out: 38.972+/-0.007 χ^2/NDF : 624525.1/23

Right Out: 33.580+/-0.009 χ^2/NDF : 1720399.3/20

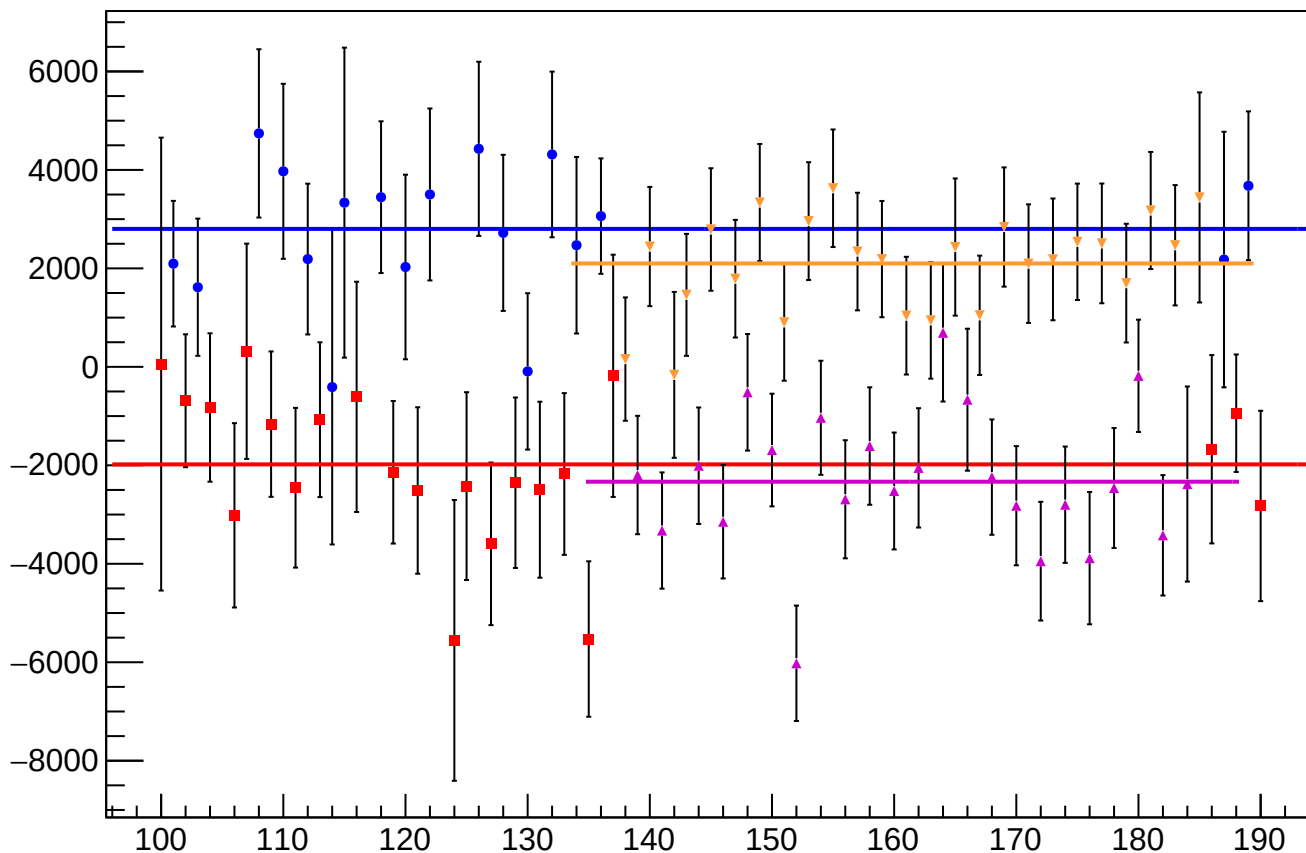
Left In: 39.179+/-0.007 χ^2/NDF : 521827.1/22

+ sign 37.192+/-0.005 χ^2/NDF : 1496676.3/41

All: 37.133+/-0.004 χ^2/NDF : 3996817.0/85

- sign 37.075+/-0.005 χ^2/NDF : 2499904.5/43

reg_asym_usr_mean vs Slug



Right In: 2801.989 $\pm$ 391.039 χ^2 /NDF: 9.9/17

Left Out: 2100.398 $\pm$ 248.306 χ^2 /NDF:13.8/24

Right Out: -1980.641 $\pm$ 368.202 χ^2 /NDF: 13.6/21

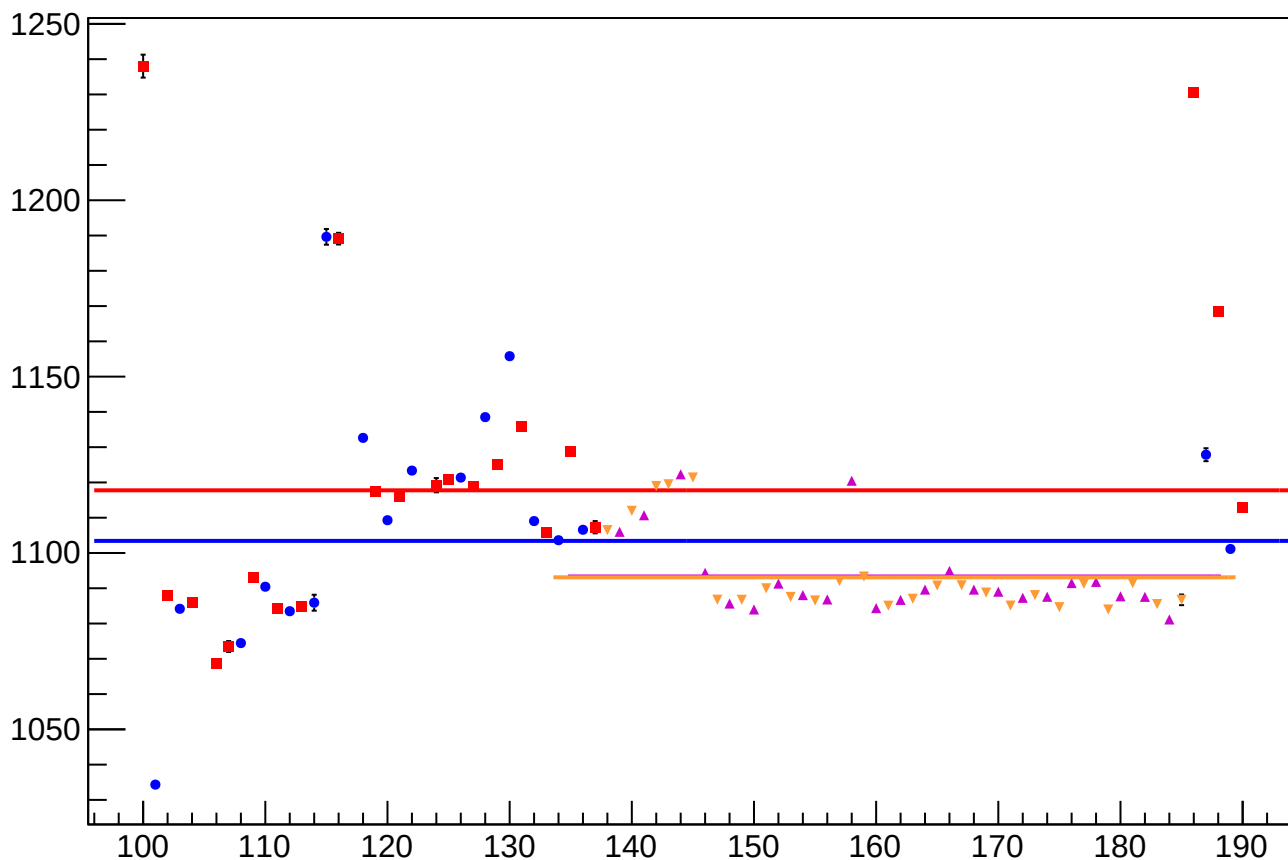
Left In: -2332.954 $\pm$ 255.284 χ^2 /NDF:29.5/22

+ sign 2302.001 $\pm$ 209.617 χ^2 /NDF: 26.0/42

All: 43.609 $\pm$ 148.284 χ^2 /NDF: 302.0/87

- sign -2218.578 $\pm$ 209.793 χ^2 /NDF: 43.7/44

reg_asym_usr_rms vs Slug



Right In: 1103.429 $\pm$ 0.277 χ^2 /NDF: 13408.0/17

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1117.766 $\pm$ 0.260 χ^2 /NDF: 20620.8/21

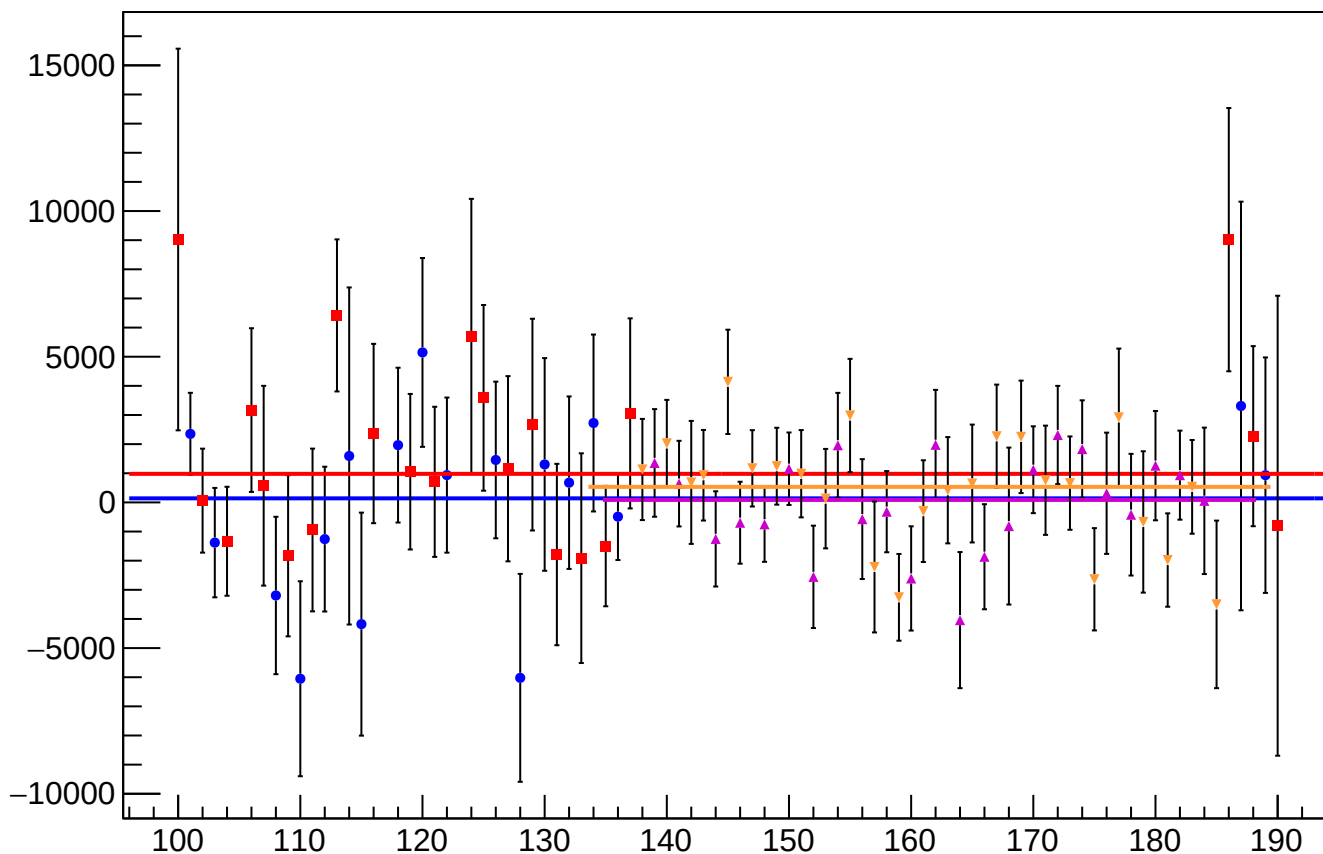
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1096.070 $\pm$ 0.148 χ^2 /NDF: 18385.2/42

All: 1098.667 $\pm$ 0.105 χ^2 /NDF: 49291.6/87

- sign 1101.269 $\pm$ 0.148 χ^2 /NDF: 30291.8/44

asym_usr_reg_correction_mean vs Slug



Right In: 139.208 $\pm$ 608.682 χ^2/NDF : 17.2/17

Left Out: 532.982 $\pm$ 347.223 χ^2/NDF : 26.4/24

Right Out: 980.103 $\pm$ 616.104 χ^2/NDF : 18.6/21

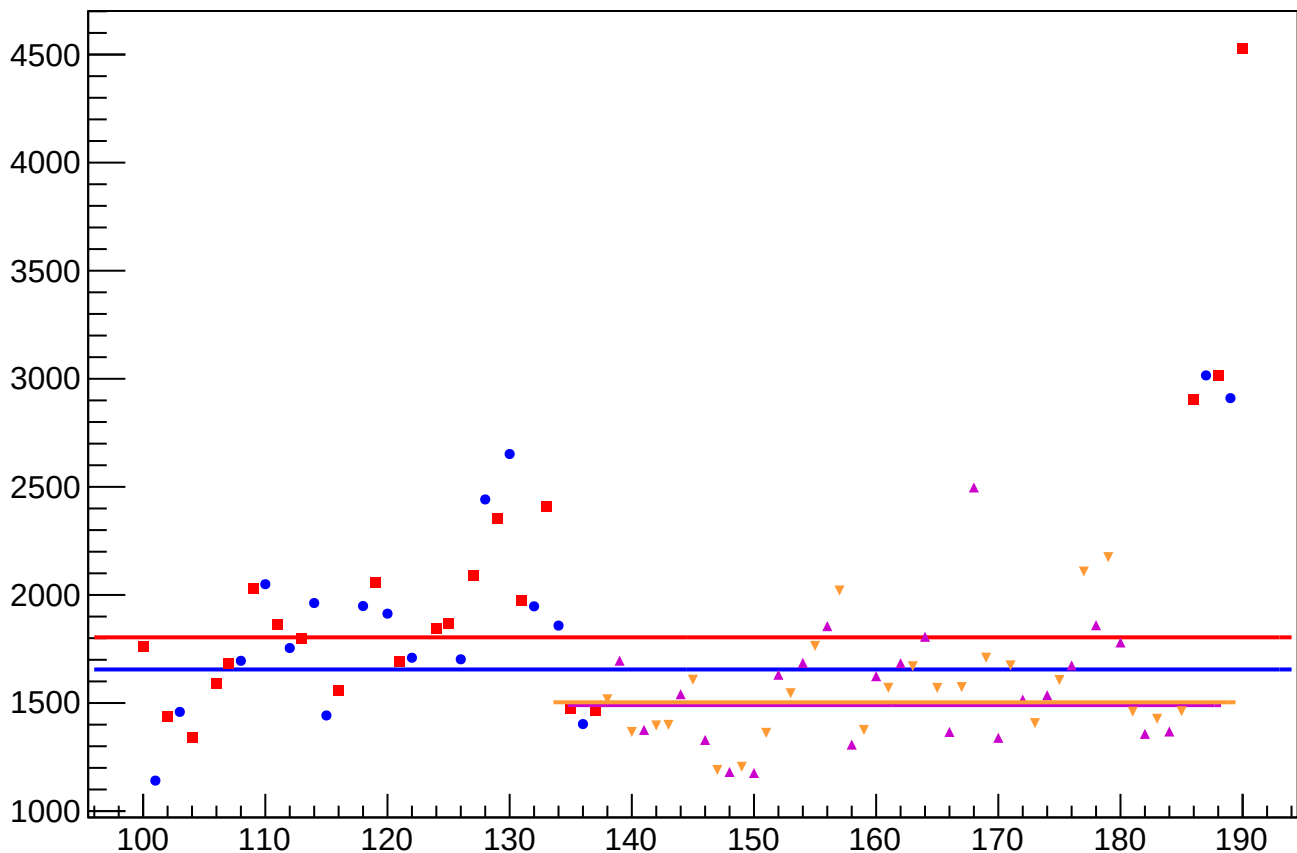
Left In: 85.329 $\pm$ 353.933 χ^2/NDF : 18.1/22

+ sign 436.303 $\pm$ 301.601 χ^2/NDF : 43.9/42

All: 372.948 $\pm$ 215.112 χ^2/NDF : 82.2/87

- sign 307.348 $\pm$ 306.897 χ^2/NDF : 38.2/44

asym_usr_reg_correction_rms vs Slug



Right In: 1655.255+/-0.430 χ^2/NDF : 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF : 799670.9/24

Right Out: 1803.883+/-0.436 χ^2/NDF : 1133132.9/21

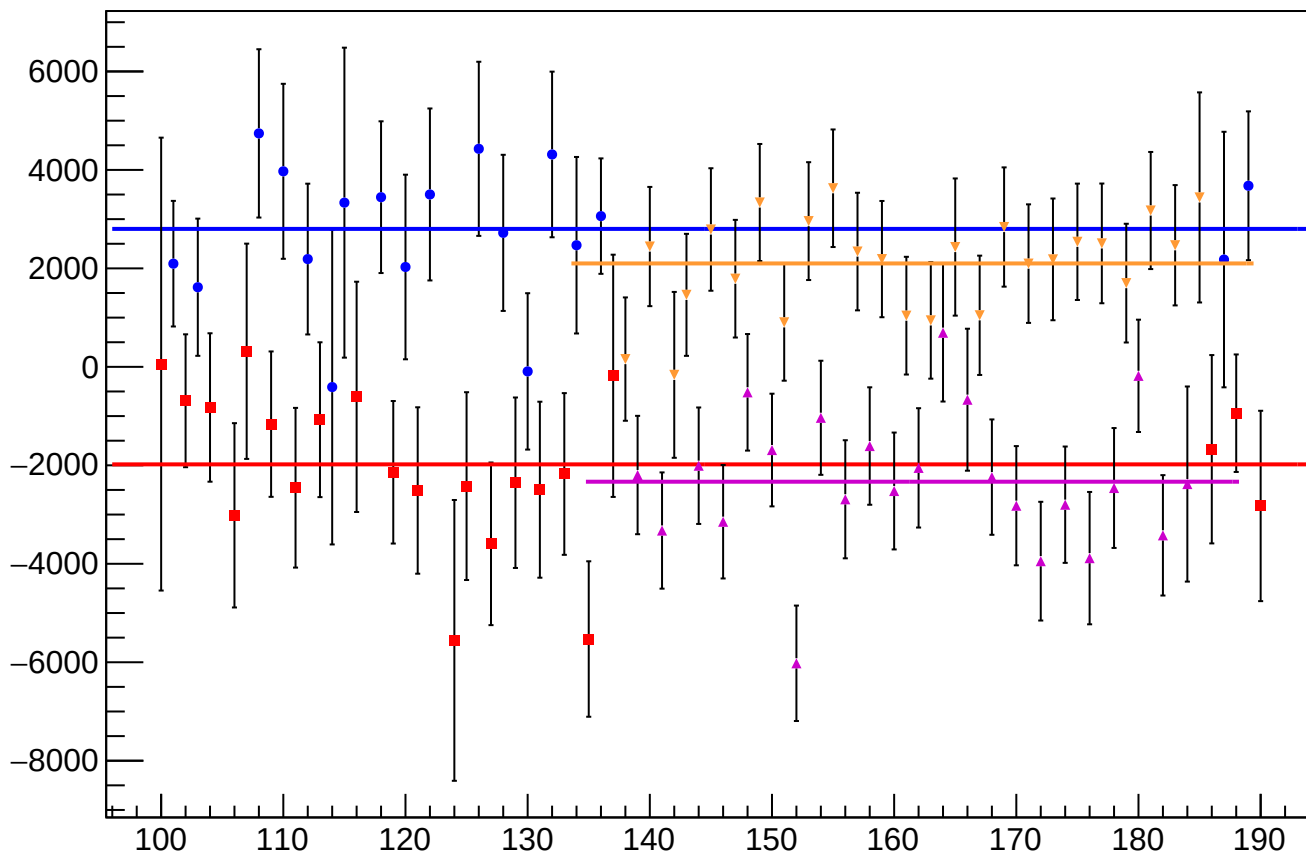
Left In: 1490.314+/-0.250 χ^2/NDF : 968221.5/22

+ sign 1540.711+/-0.213 χ^2/NDF : 1863790.5/42

All: 1554.177+/-0.152 χ^2/NDF : 4362779.7/87

- sign 1568.120+/-0.217 χ^2/NDF : 2490874.1/44

cor_asym_usr_mean vs Slug



Right In: 2801.989 $\pm$ 391.039 χ^2 /NDF: 9.9/17

Left Out: 2100.398 $\pm$ 248.306 χ^2 /NDF:13.8/24

Right Out: -1980.641 $\pm$ 368.202 χ^2 /NDF: 13.6/21

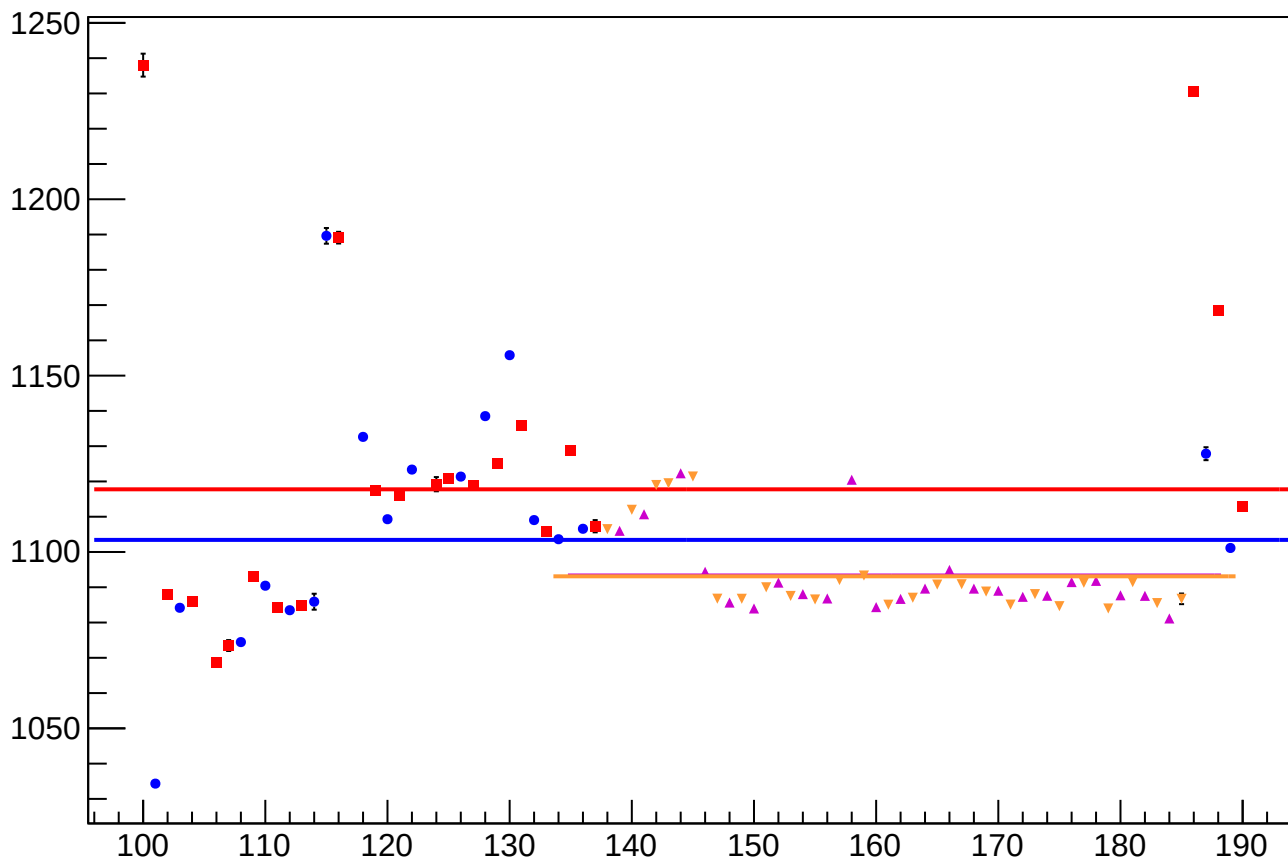
Left In: -2332.954 $\pm$ 255.284 χ^2 /NDF:29.5/22

+ sign 2302.001 $\pm$ 209.617 χ^2 /NDF: 26.0/42

All: 43.609 $\pm$ 148.284 χ^2 /NDF: 302.0/87

- sign -2218.578 $\pm$ 209.793 χ^2 /NDF: 43.7/44

cor_asym_usr_rms vs Slug



Right In: 1103.429 $\pm$ 0.277 χ^2 /NDF: 13408.0/17

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1117.766 $\pm$ 0.260 χ^2 /NDF: 20620.8/21

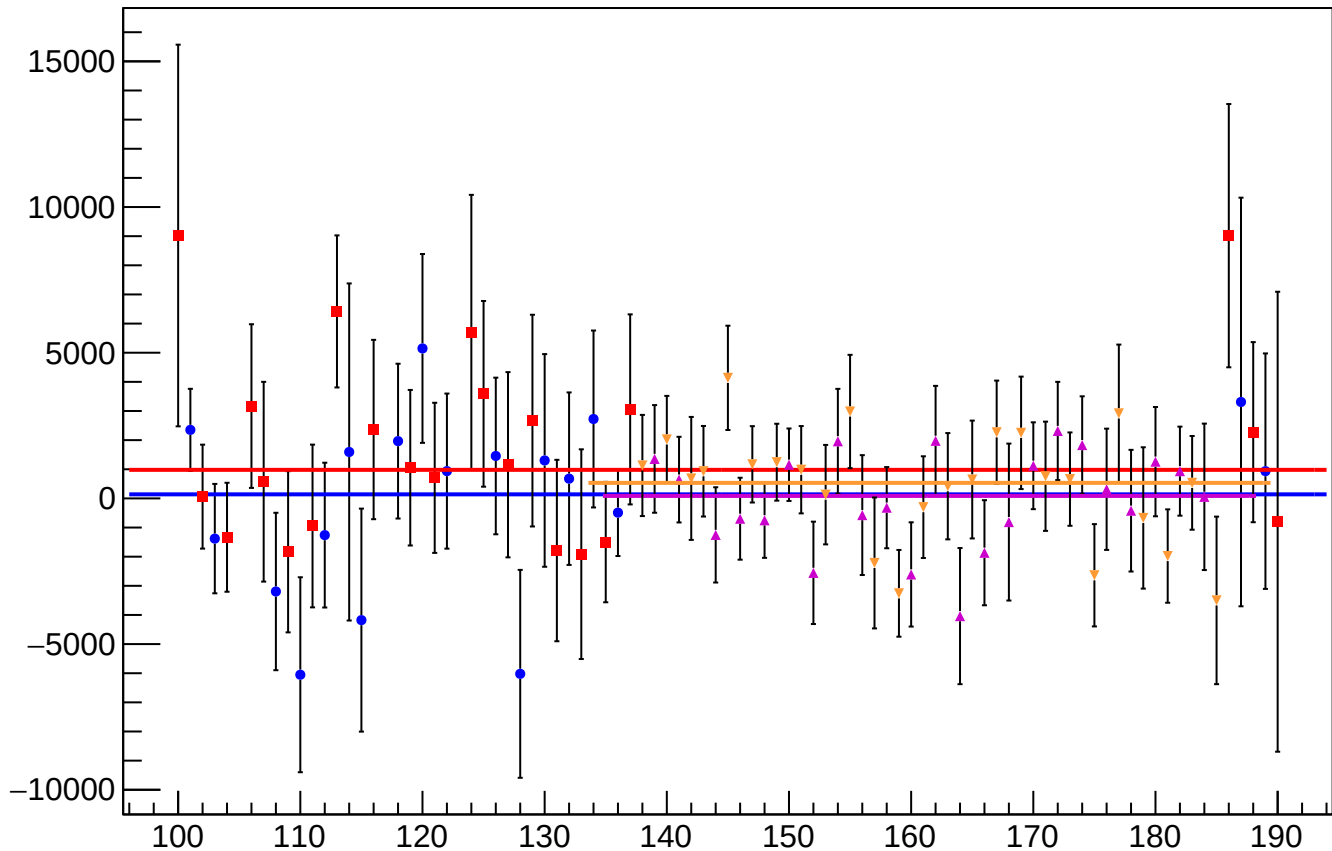
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1096.070 $\pm$ 0.148 χ^2 /NDF: 18385.2/42

All: 1098.667 $\pm$ 0.105 χ^2 /NDF: 49291.6/87

- sign 1101.269 $\pm$ 0.148 χ^2 /NDF: 30291.8/44

asym_usr_cor_correction_mean vs Slug



Right In: 139.208 $\pm$ 608.682 χ^2 /NDF: 17.2/17

Left Out: 532.982 $\pm$ 347.223 χ^2 /NDF: 26.4/24

Right Out: 980.103 $\pm$ 616.104 χ^2 /NDF: 18.6/21

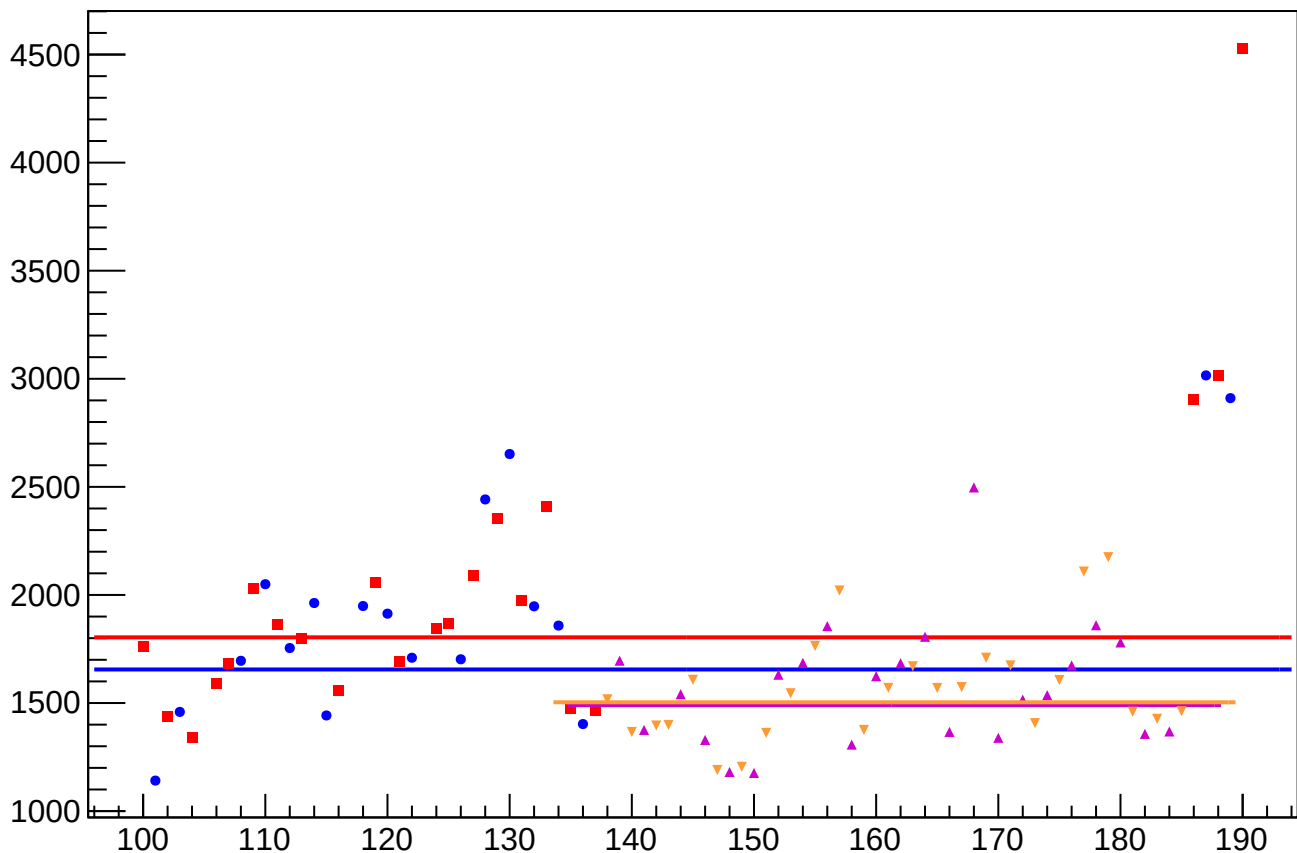
Left In: 85.329 $\pm$ 353.933 χ^2 /NDF: 18.1/22

+ sign 436.303 $\pm$ 301.601 χ^2 /NDF: 43.9/42

All: 372.948 $\pm$ 215.112 χ^2 /NDF: 82.2/87

- sign 307.348 $\pm$ 306.897 χ^2 /NDF: 38.2/44

asym_usr_cor_correction_rms vs Slug



Right In: 1655.255 ± 0.430 χ^2/NDF : 970245.9/17

Left Out: 1503.437 ± 0.246 χ^2/NDF : 799670.9/24

Right Out: 1803.883 ± 0.436 χ^2/NDF : 1133132.9/21

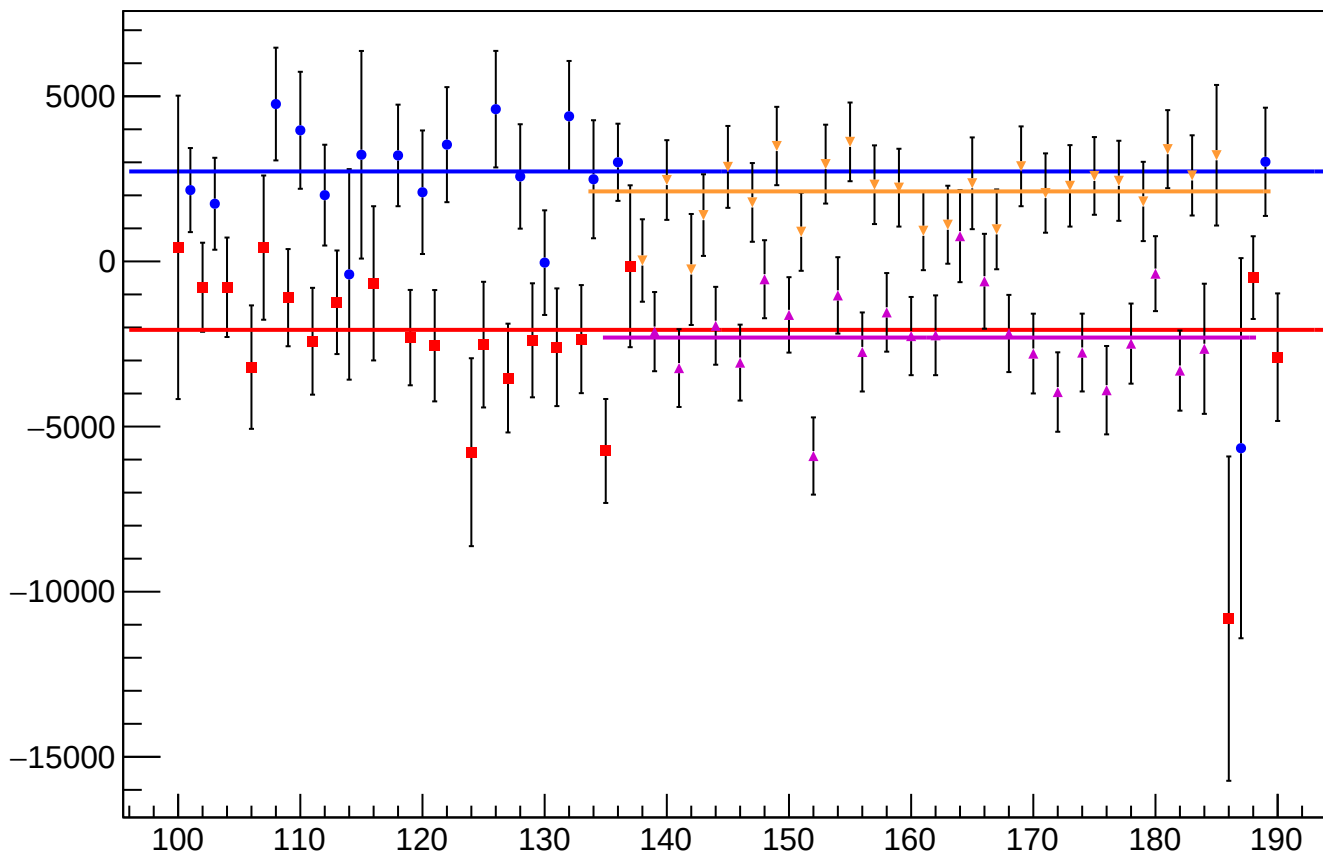
Left In: 1490.314 ± 0.250 χ^2/NDF : 968221.5/22

+ sign 1540.711 ± 0.213 χ^2/NDF : 1863790.5/42

All: 1554.177 ± 0.152 χ^2/NDF : 4362779.7/87

- sign 1568.120 ± 0.217 χ^2/NDF : 2490874.1/44

overload_cor_asym_usr_mean vs Slug



Right In: 2723.830 ± 395.670 χ^2/NDF : 11.7/17

Left Out: 2119.973 ± 247.544 χ^2/NDF : 15.1/24

Right Out: -2072.425 ± 375.012 χ^2/NDF : 18.5/21

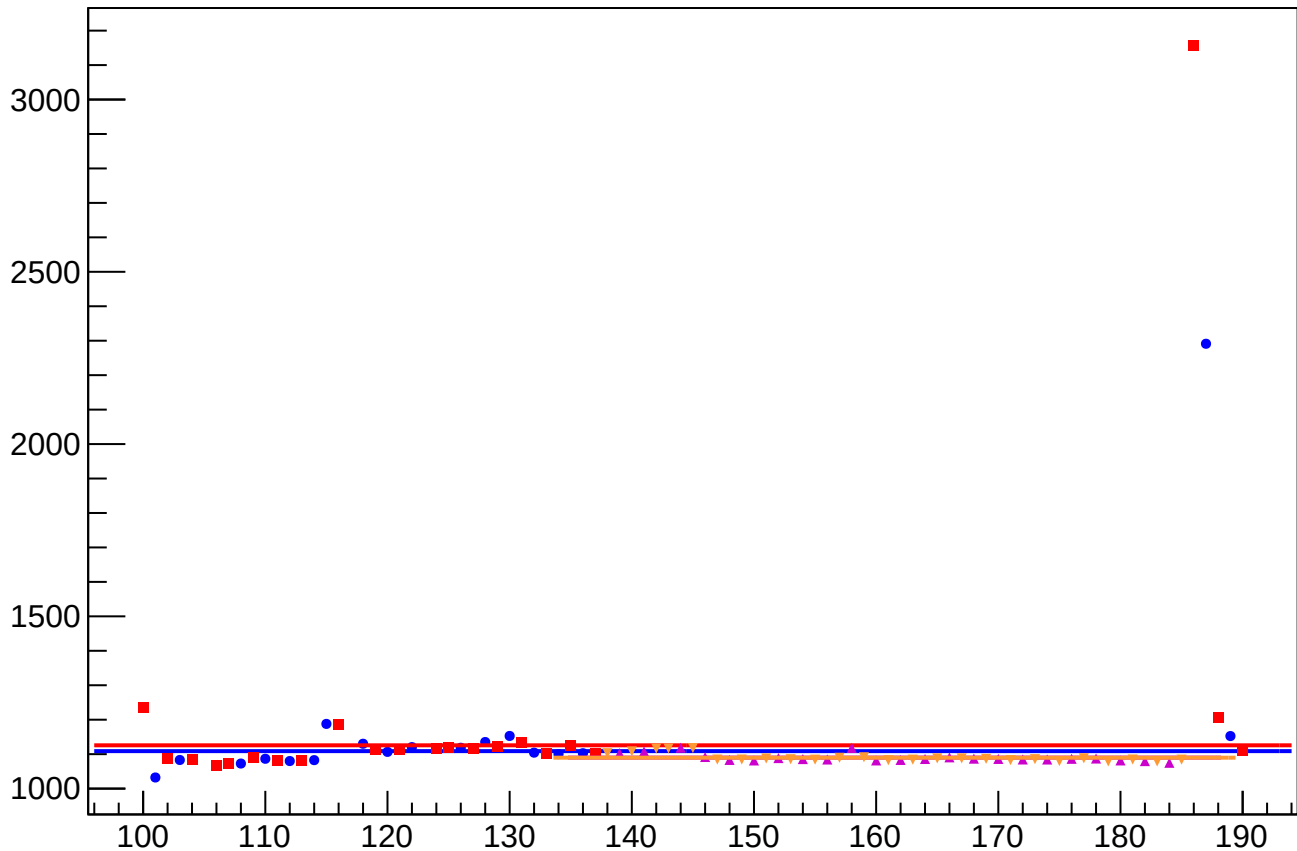
Left In: -2305.411 ± 254.497 χ^2/NDF : 28.5/22

+ sign 2289.842 ± 209.857 χ^2/NDF : 28.5/42

All: 36.767 ± 148.648 χ^2/NDF : 307.0/87

- sign -2231.945 ± 210.584 χ^2/NDF : 47.3/44

overload_cor_asym_usr_rms vs Slug



Right In: 1108.777 ± 0.280 χ^2/NDF : 99830.0/17

Left Out: 1089.744 ± 0.175 χ^2/NDF : 4057.6/24

Right Out: 1125.657 ± 0.265 χ^2/NDF : 364125.5/21

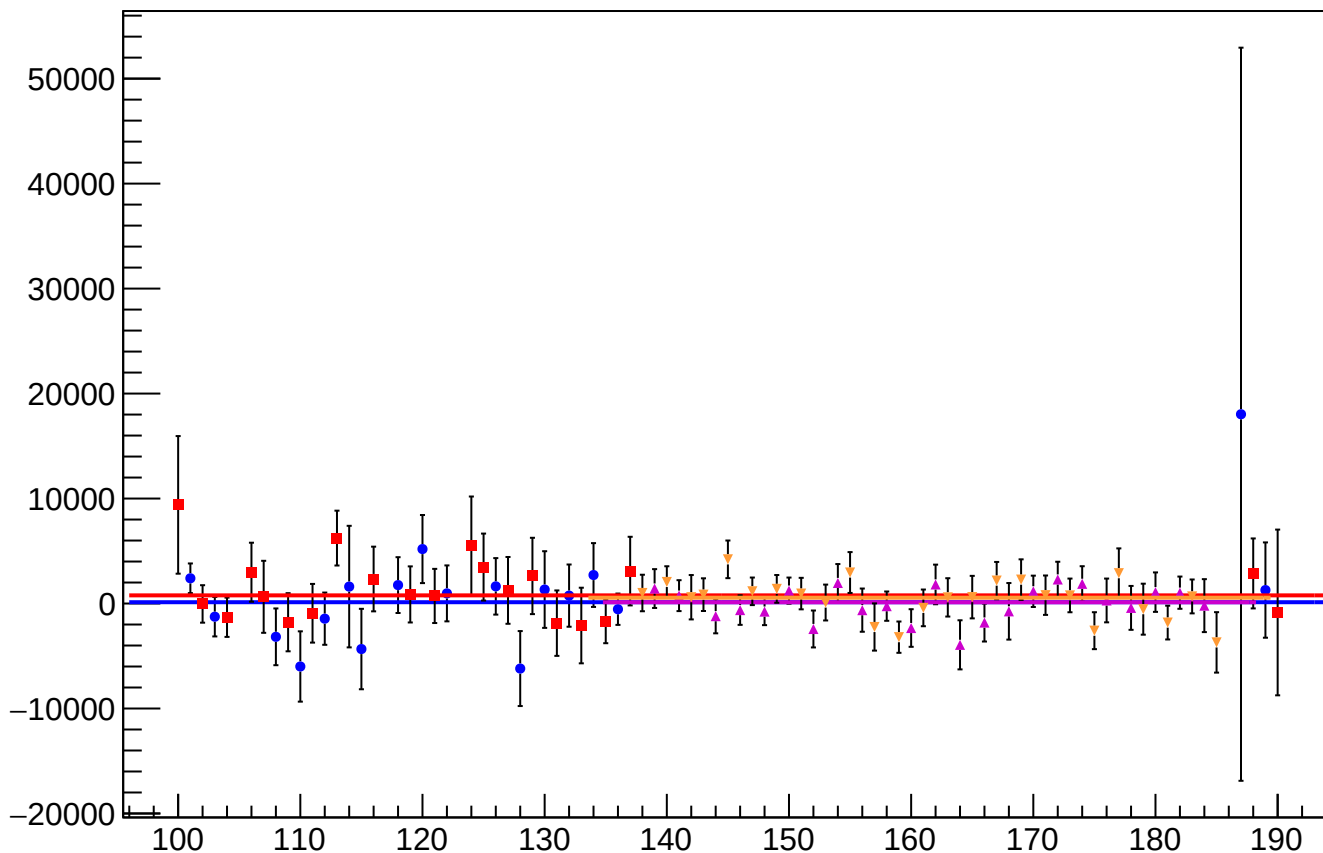
Left In: 1089.964 ± 0.180 χ^2/NDF : 3896.0/22

+ sign 1095.098 ± 0.148 χ^2/NDF : 107213.7/42

All: 1098.148 ± 0.105 χ^2/NDF : 488487.8/87

- sign 1101.219 ± 0.149 χ^2/NDF : 380426.2/44

asym_usr_overload_cor_correction_mean vs Slug



Right In: 124.579+/-613.108 χ^2/NDF : 17.6/17

Left Out: 553.759+/-347.813 χ^2/NDF : 26.1/24

Right Out: 777.181+/-624.266 χ^2/NDF : 15.4/20

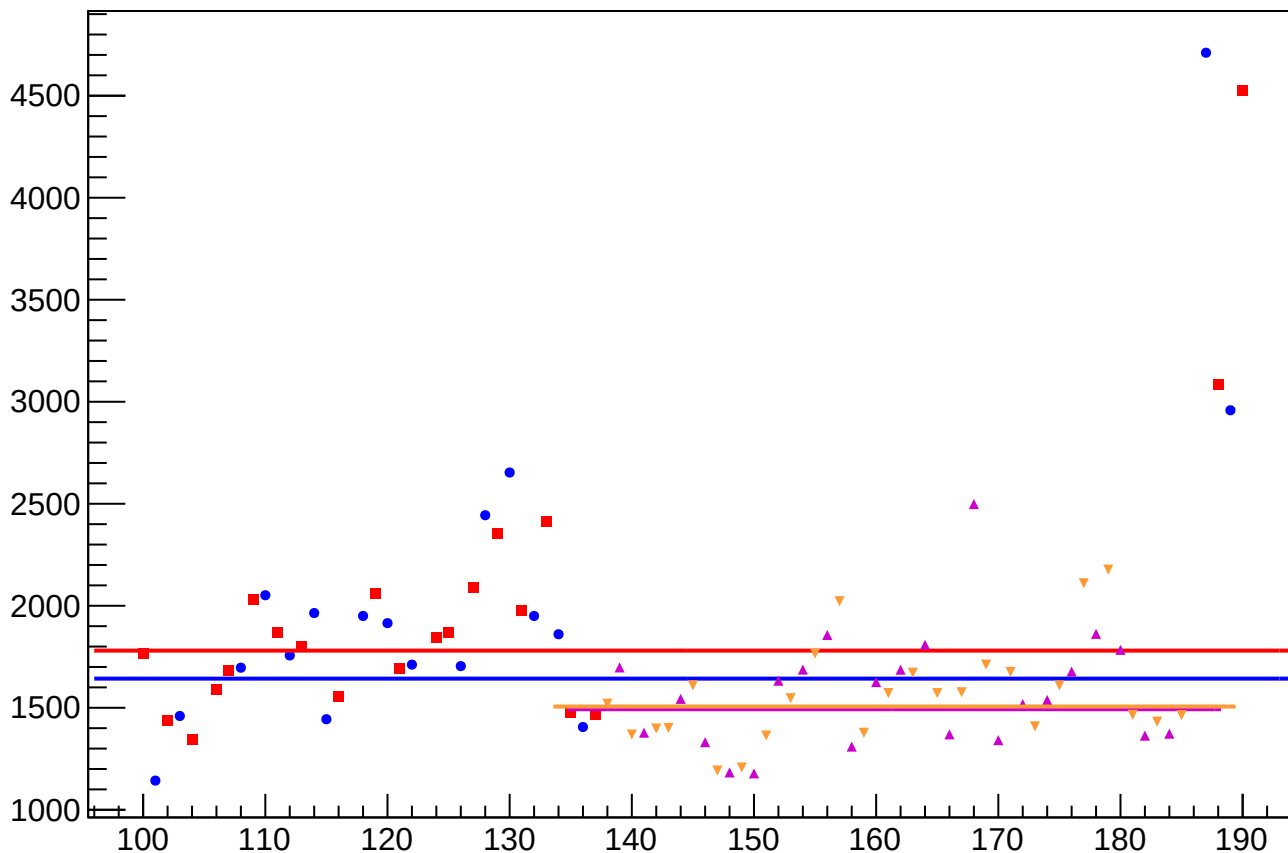
Left In: 121.420+/-354.540 χ^2/NDF : 17.1/22

+ sign 449.267+/-302.523 χ^2/NDF : 44.1/42

All: 366.894+/-215.926 χ^2/NDF : 77.5/86

- sign 281.349+/-308.291 χ^2/NDF : 33.3/43

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1642.905+/-0.434 χ^2/NDF : 878467.7/17

Left Out: 1506.103+/-0.246 χ^2/NDF : 796401.8/24

Right Out: 1780.164+/-0.441 χ^2/NDF : 997289.6/20

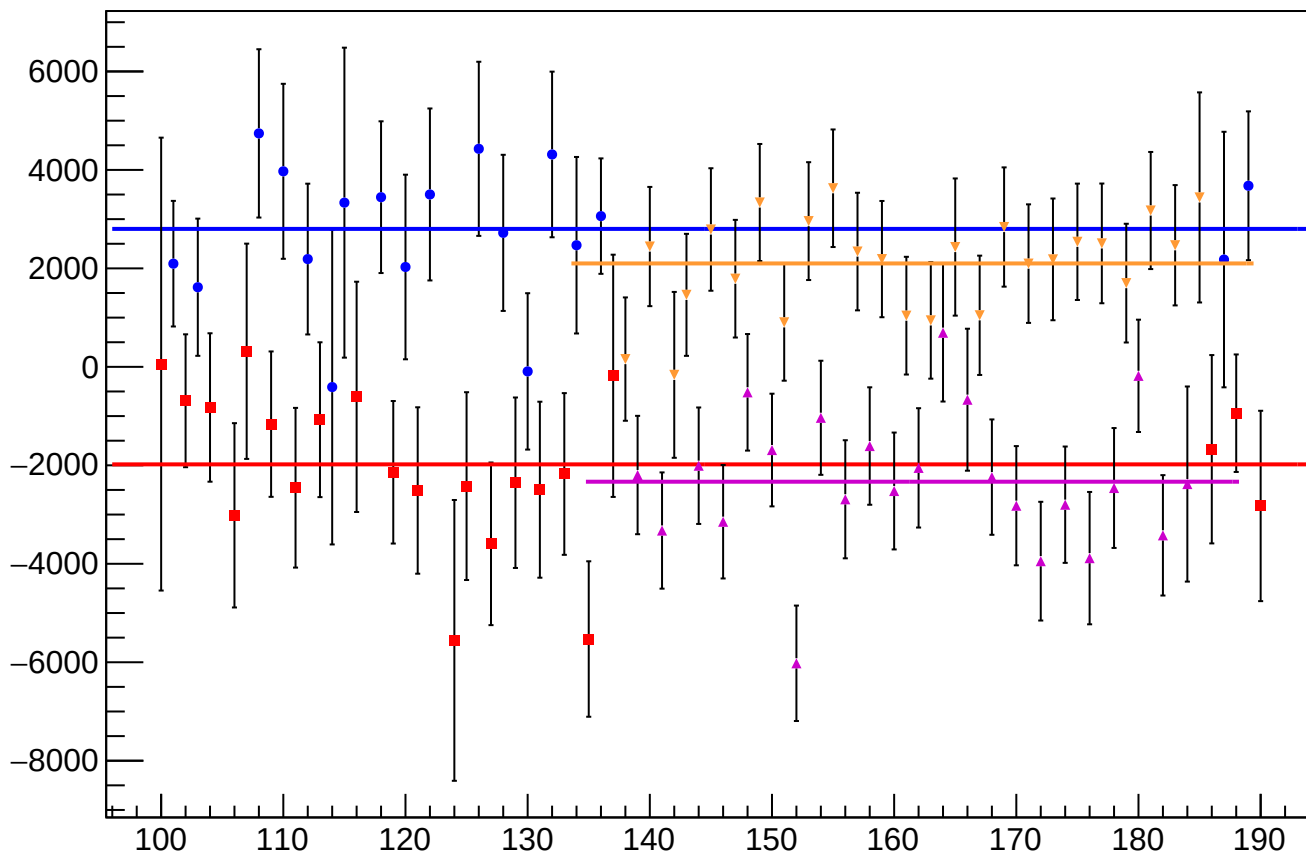
Left In: 1492.976+/-0.251 χ^2/NDF : 964358.0/22

+ sign 1539.410+/-0.214 χ^2/NDF : 1750199.9/42

All: 1550.990+/-0.153 χ^2/NDF : 4037867.8/86

- sign 1563.016+/-0.218 χ^2/NDF : 2281694.0/43

eigen_cor_asym_usr_mean vs Slug



Right In: 2801.989+/-391.039 χ^2/NDF : 9.9/17

Left Out: 2100.398+/-248.306 χ^2/NDF : 13.8/24

Right Out: -1980.641+/-368.202 χ^2/NDF : 13.6/21

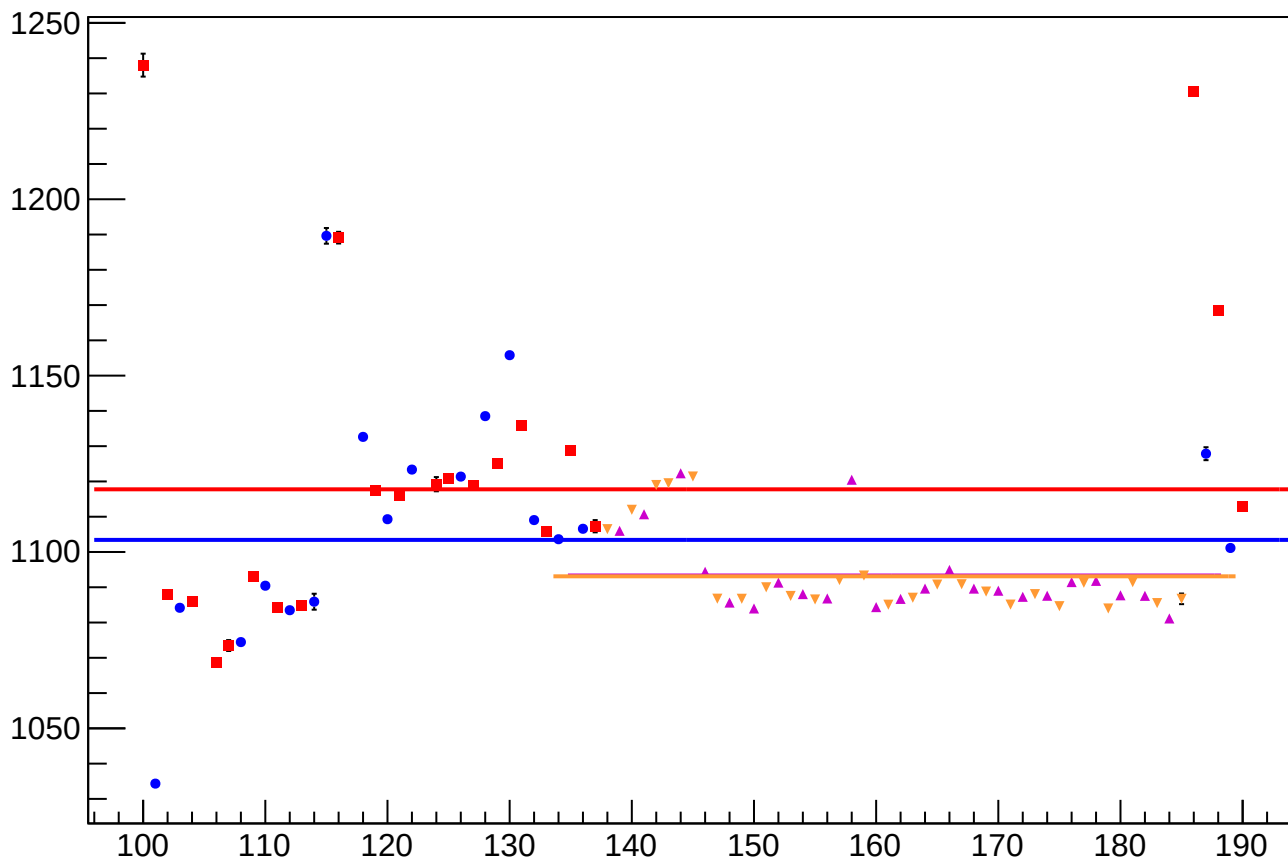
Left In: -2332.954+/-255.284 χ^2/NDF : 29.5/22

+ sign 2302.001+/-209.617 χ^2/NDF : 26.0/42

All: 43.609+/-148.284 χ^2/NDF : 302.0/87

- sign -2218.578+/-209.793 χ^2/NDF : 43.7/44

eigen_cor_asym_usr_rms vs Slug



Right In: 1103.429 $\pm$ 0.277 χ^2 /NDF: 13408.0/17

Left Out: 1093.102 $\pm$ 0.176 χ^2 /NDF: 3983.2/24

Right Out: 1117.766 $\pm$ 0.260 χ^2 /NDF: 20620.8/21

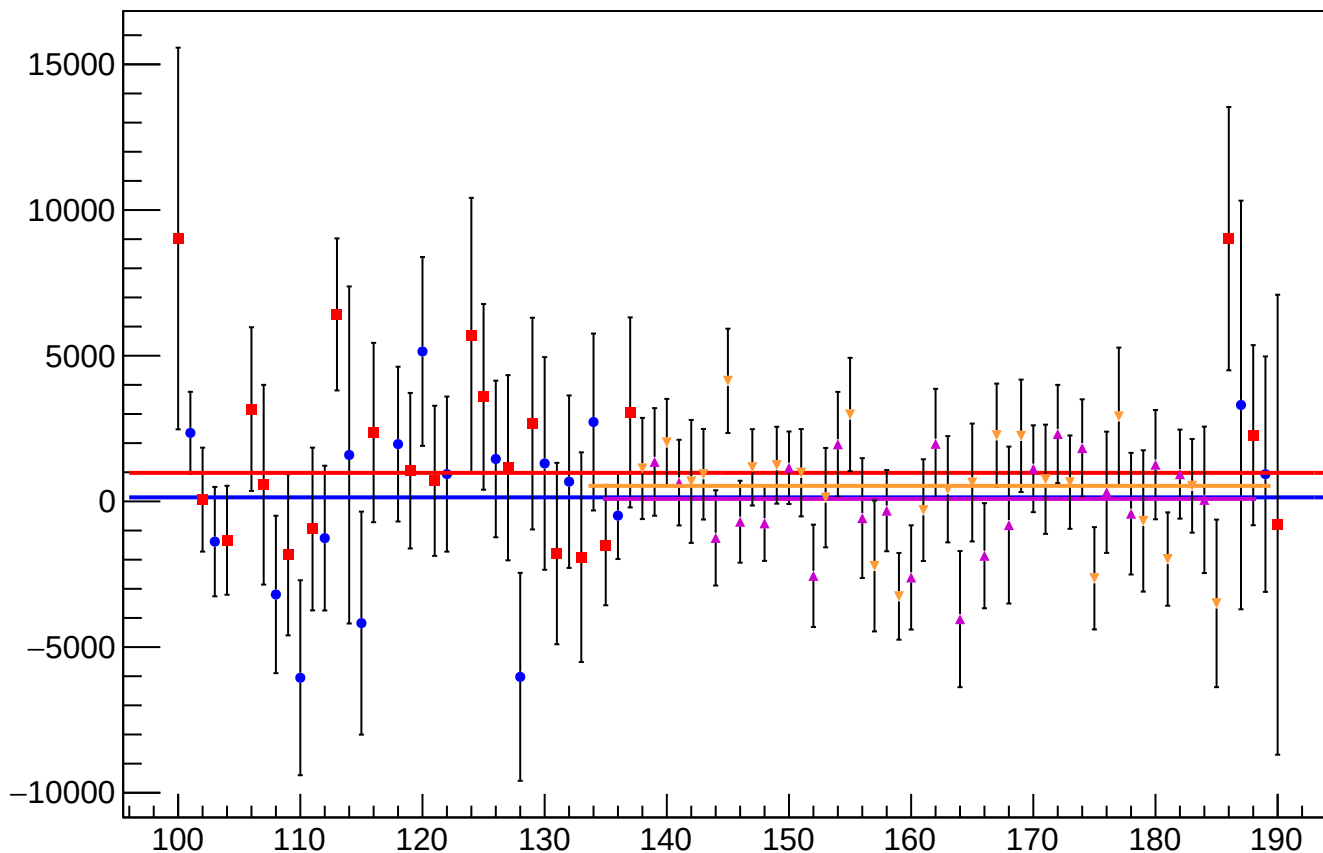
Left In: 1093.338 $\pm$ 0.181 χ^2 /NDF: 3725.7/22

+ sign 1096.070 $\pm$ 0.148 χ^2 /NDF: 18385.2/42

All: 1098.667 $\pm$ 0.105 χ^2 /NDF: 49291.6/87

- sign 1101.269 $\pm$ 0.148 χ^2 /NDF: 30291.8/44

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 139.208 $\pm$ 608.682 χ^2 /NDF: 17.2/17

Left Out: 532.982 $\pm$ 347.223 χ^2 /NDF: 26.4/24

Right Out: 980.103 $\pm$ 616.104 χ^2 /NDF: 18.6/21

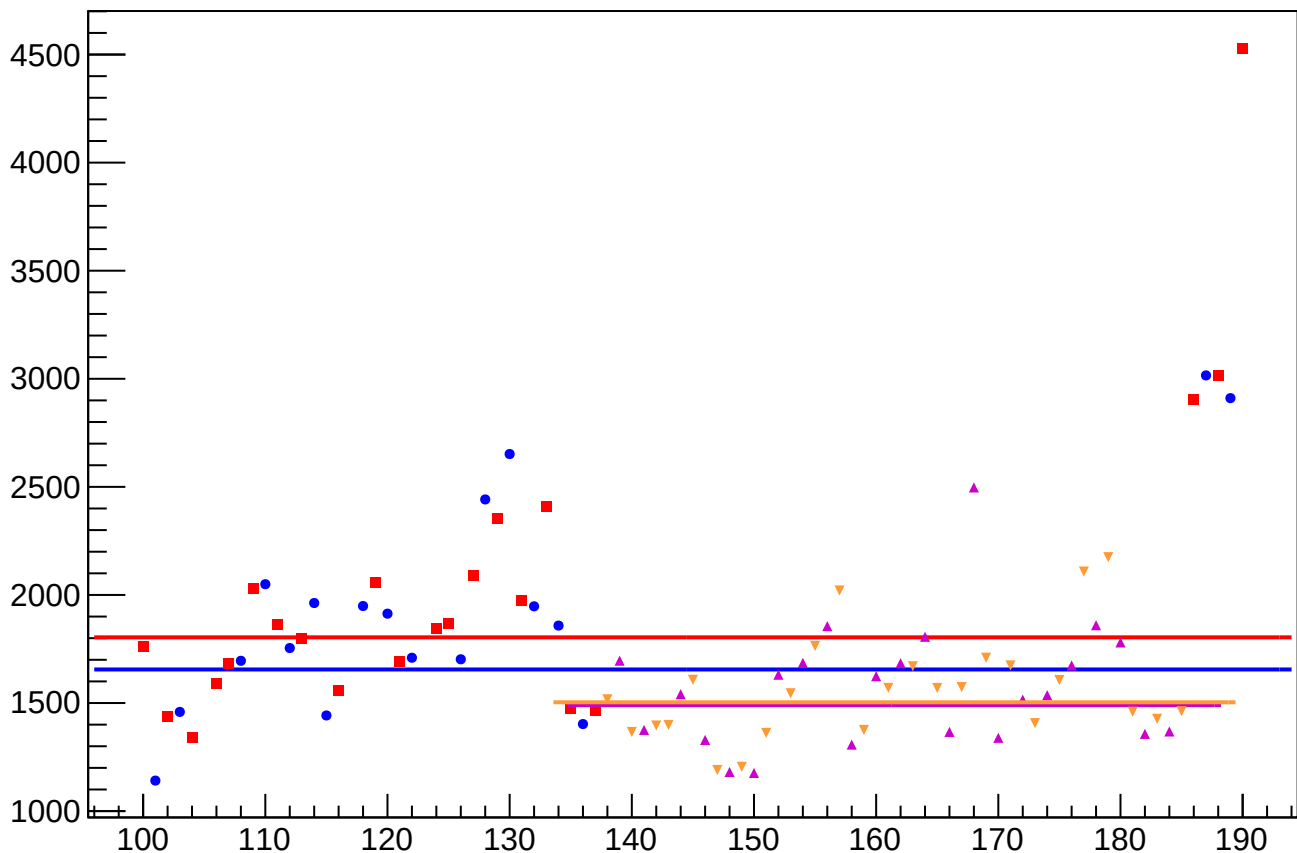
Left In: 85.329 $\pm$ 353.933 χ^2 /NDF: 18.1/22

+ sign 436.303 $\pm$ 301.601 χ^2 /NDF: 43.9/42

All: 372.948 $\pm$ 215.112 χ^2 /NDF: 82.2/87

- sign 307.348 $\pm$ 306.897 χ^2 /NDF: 38.2/44

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1655.255+/-0.430 χ^2/NDF : 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF : 799670.9/24

Right Out: 1803.883+/-0.436 χ^2/NDF : 1133132.9/21

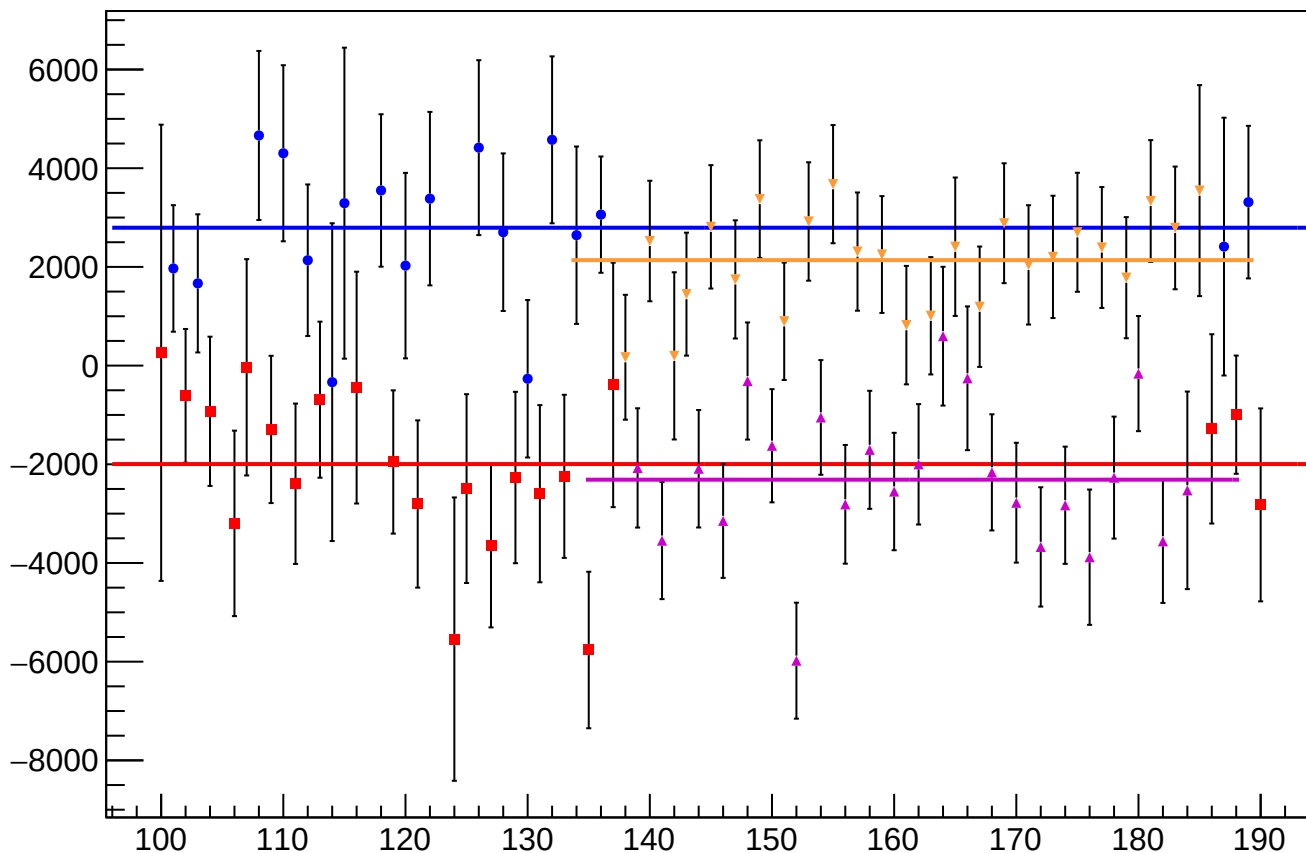
Left In: 1490.314+/-0.250 χ^2/NDF : 968221.5/22

+ sign 1540.711+/-0.213 χ^2/NDF : 1863790.5/42

All: 1554.177+/-0.152 χ^2/NDF : 4362779.7/87

- sign 1568.120+/-0.217 χ^2/NDF : 2490874.1/44

dit_asym_usr_mean vs Slug



Right In: 2793.942 $\pm$ 393.174 χ^2 /NDF: 10.5/17

Left Out: 2137.184 $\pm$ 250.195 χ^2 /NDF:13.9/24

Right Out: -1995.387 $\pm$ 369.885 χ^2 /NDF: 14.4/21

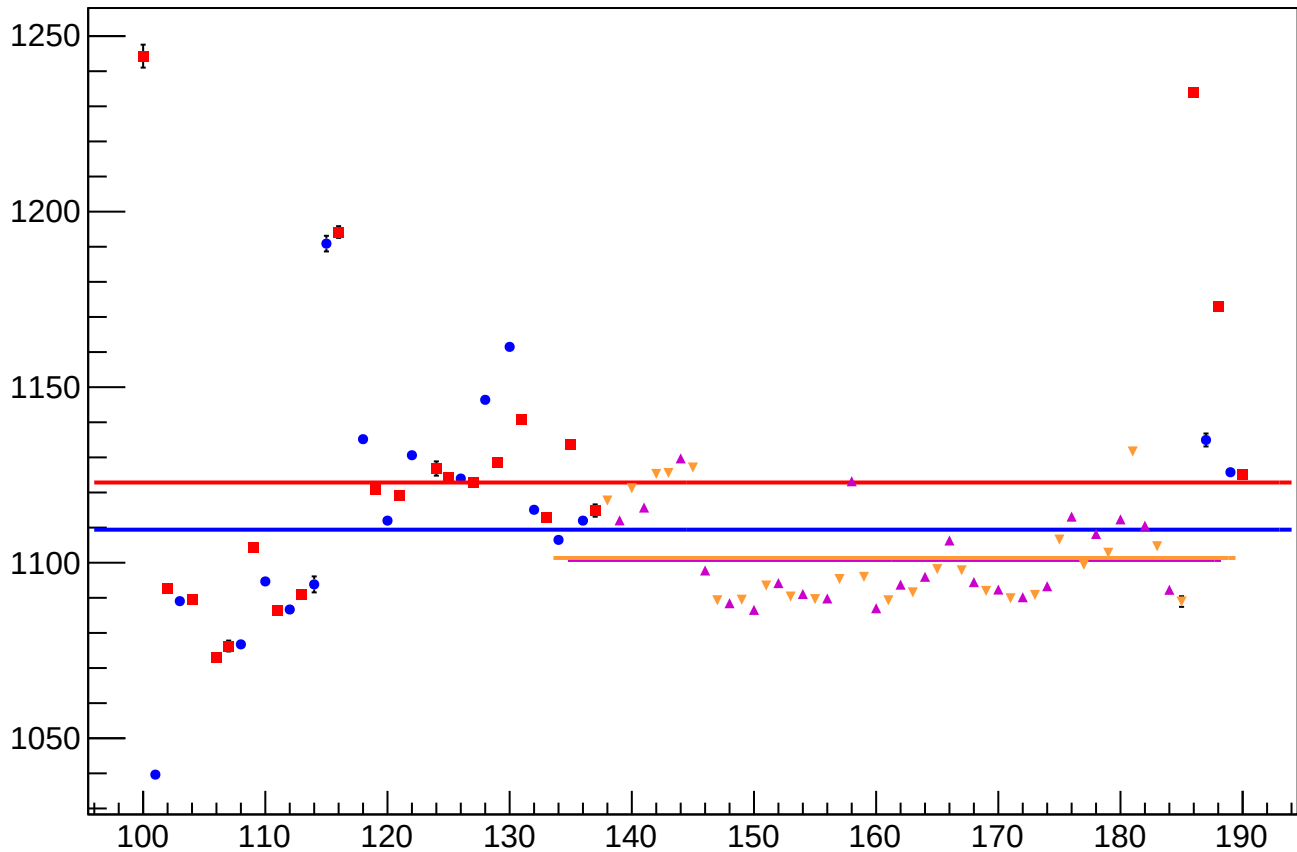
Left In: -2311.761 $\pm$ 257.036 χ^2 /NDF:29.9/22

+ sign 2326.478 $\pm$ 211.081 χ^2 /NDF: 26.4/42

All: 58.811 $\pm$ 149.255 χ^2 /NDF: 302.1/87

- sign -2208.736 $\pm$ 211.076 χ^2 /NDF: 44.9/44

dit_asym_usr_rms vs Slug



Right In: 1109.408 $\pm$ 0.278 χ^2 /NDF: 13674.4/17

Left Out: 1101.353 $\pm$ 0.177 χ^2 /NDF: 5950.6/24

Right Out: 1122.849 $\pm$ 0.262 χ^2 /NDF: 20298.5/21

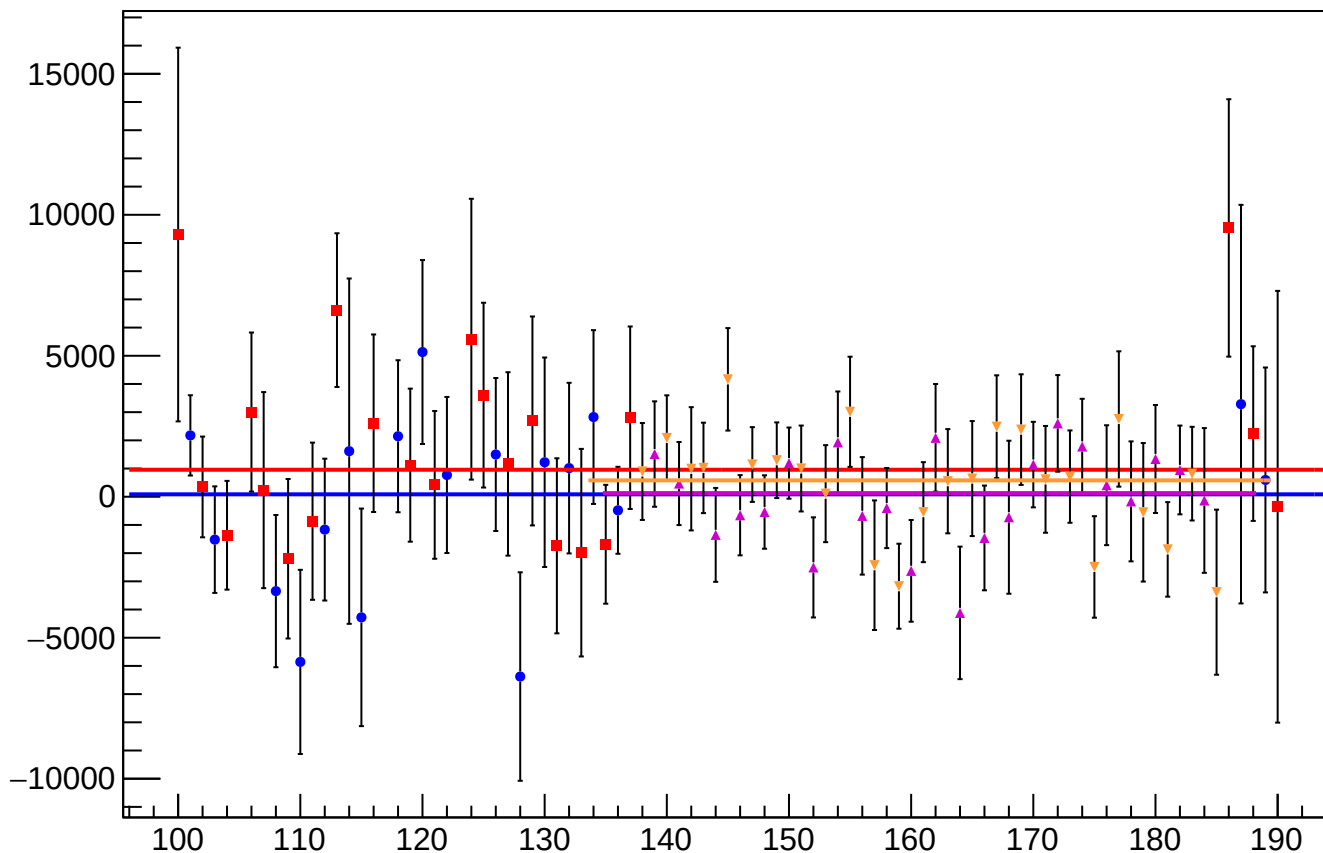
Left In: 1100.792 $\pm$ 0.182 χ^2 /NDF: 4641.7/22

+ sign 1103.675 $\pm$ 0.149 χ^2 /NDF: 20222.5/42

All: 1105.825 $\pm$ 0.106 χ^2 /NDF: 50373.4/87

- sign 1107.975 $\pm$ 0.149 χ^2 /NDF: 29735.9/44

asym_usr_dit_correction_mean vs Slug



Right In: 85.730 $\pm$ 618.038 χ^2 /NDF: 17.1/17

Left Out: 581.427 $\pm$ 353.389 χ^2 /NDF: 25.4/24

Right Out: 957.618 $\pm$ 625.939 χ^2 /NDF: 18.8/21

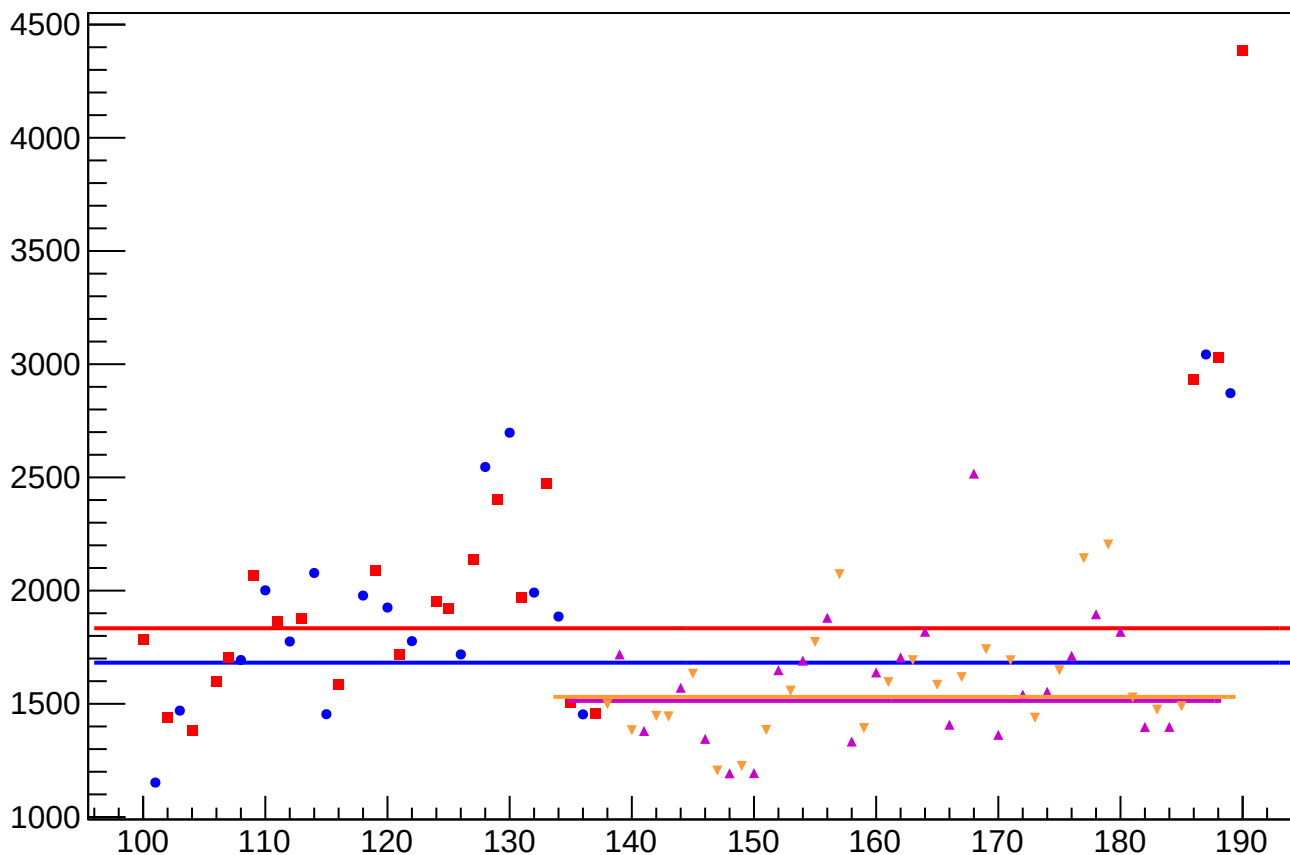
Left In: 128.769 $\pm$ 359.128 χ^2 /NDF: 17.9/22

+ sign 459.292 $\pm$ 306.779 χ^2 /NDF: 43.0/42

All: 397.622 $\pm$ 218.576 χ^2 /NDF: 81.0/87

- sign 334.040 $\pm$ 311.500 χ^2 /NDF: 38.0/44

asym_usr_dit_correction_rms vs Slug



Right In: 1681.805 $\pm$ 0.437 χ^2 /NDF: 961865.1/17

Left Out: 1530.764 $\pm$ 0.250 χ^2 /NDF: 795634.5/24

Right Out: 1833.836 $\pm$ 0.443 χ^2 /NDF: 1114332.7/21

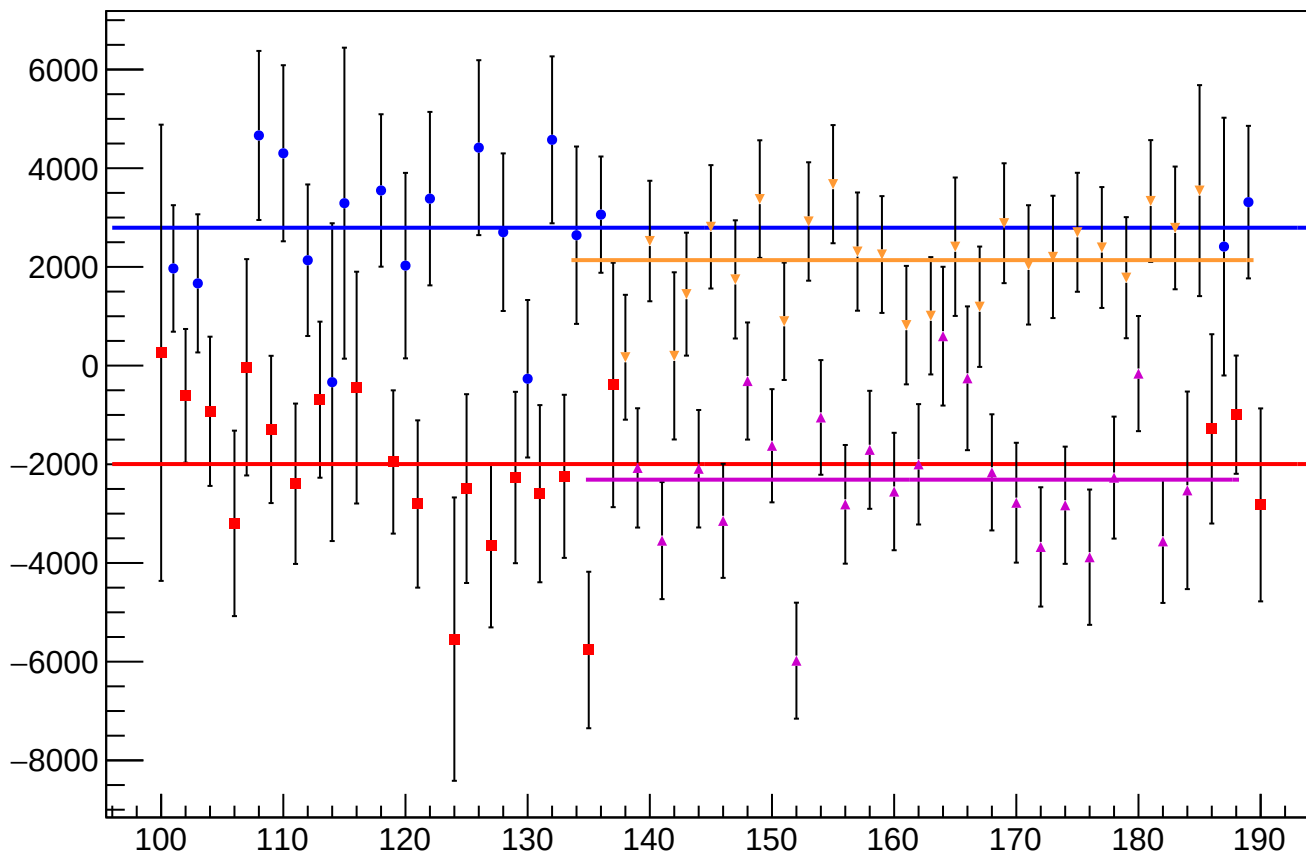
Left In: 1512.947 $\pm$ 0.254 χ^2 /NDF: 957059.5/22

+ sign 1567.979 $\pm$ 0.217 χ^2 /NDF: 1847519.2/42

All: 1580.012 $\pm$ 0.155 χ^2 /NDF: 4320609.4/87

- sign 1592.417 $\pm$ 0.220 χ^2 /NDF: 2466841.4/44

eigen_dit_asym_usr_mean vs Slug



Right In: 2793.942 $\pm$ 393.174 χ^2 /NDF: 10.5/17

Left Out: 2137.182 $\pm$ 250.195 χ^2 /NDF:13.9/24

Right Out: -1995.387 $\pm$ 369.885 χ^2 /NDF: 14.4/21

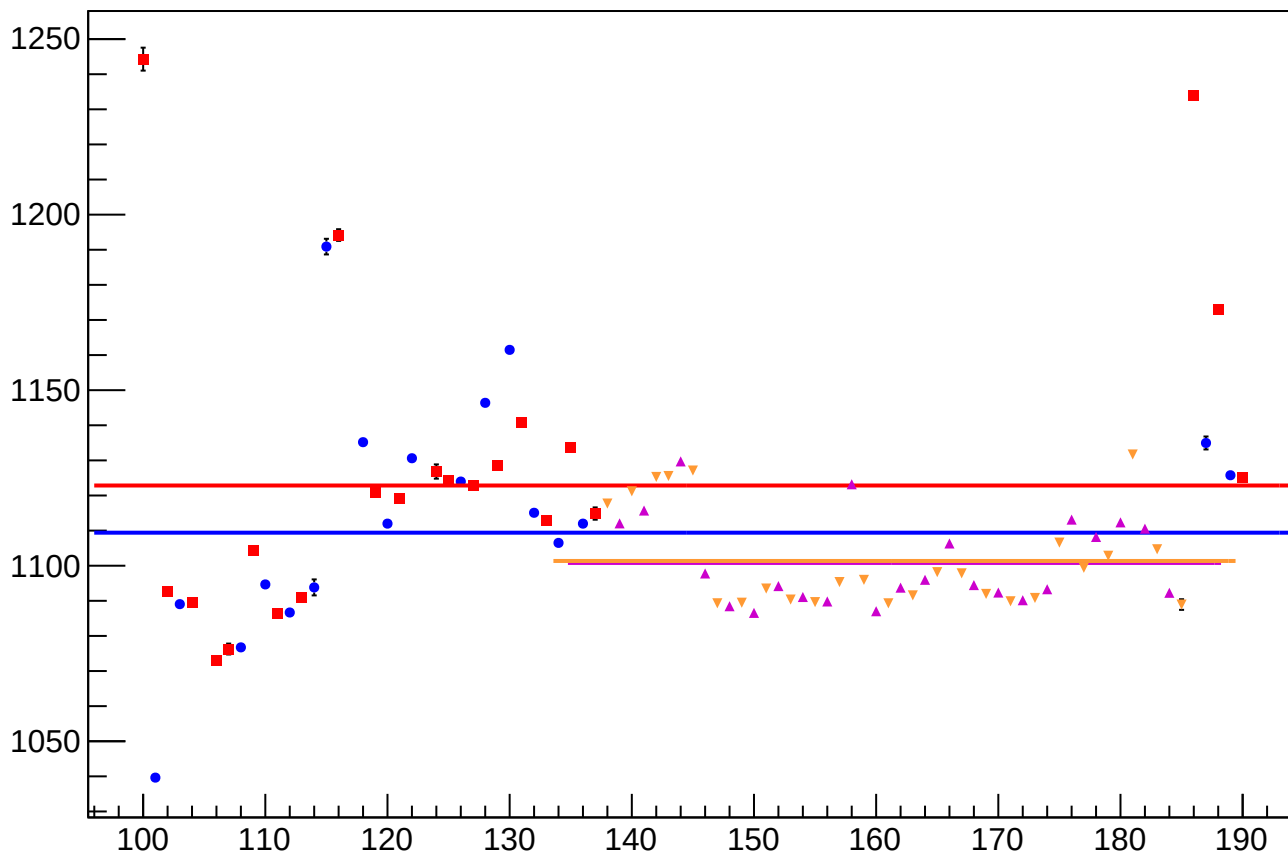
Left In: -2311.761 $\pm$ 257.036 χ^2 /NDF:29.9/22

+ sign 2326.476 $\pm$ 211.081 χ^2 /NDF: 26.4/42

All: 58.810 $\pm$ 149.255 χ^2 /NDF: 302.1/87

- sign -2208.736 $\pm$ 211.076 χ^2 /NDF: 44.9/44

eigen_dit_asym_usr_rms vs Slug



Right In: 1109.408 $\pm$ 0.278 χ^2 /NDF: 13674.3/17

Left Out: 1101.353 $\pm$ 0.177 χ^2 /NDF: 5950.6/24

Right Out: 1122.849 $\pm$ 0.262 χ^2 /NDF: 20298.5/21

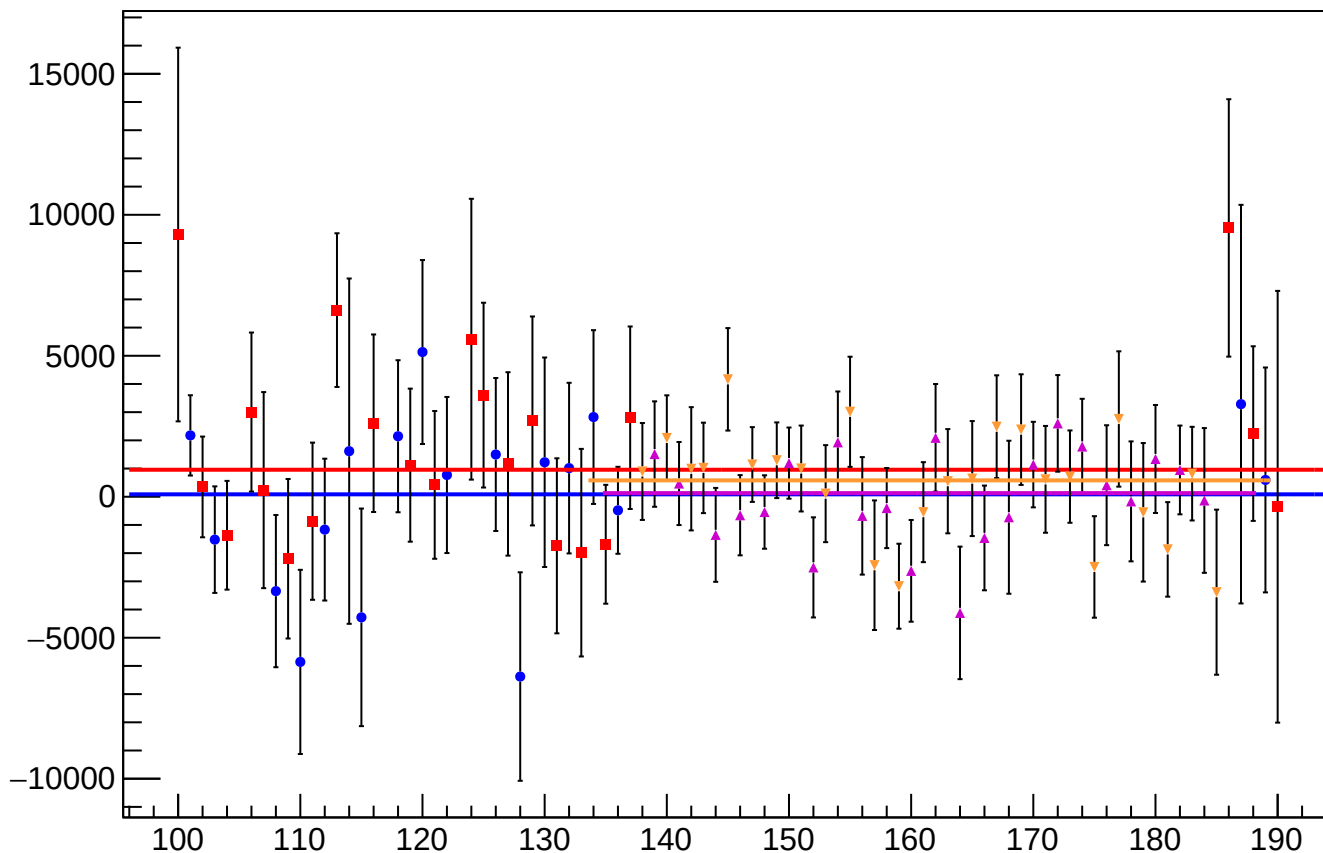
Left In: 1100.792 $\pm$ 0.182 χ^2 /NDF: 4641.7/22

+ sign 1103.675 $\pm$ 0.149 χ^2 /NDF: 20222.3/42

All: 1105.825 $\pm$ 0.106 χ^2 /NDF: 50373.2/87

- sign 1107.975 $\pm$ 0.149 χ^2 /NDF: 29735.8/44

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 85.725 $\pm$ 618.037 χ^2 /NDF: 17.1/17

Left Out: 581.426 $\pm$ 353.390 χ^2 /NDF: 25.4/24

Right Out: 957.621 $\pm$ 625.938 χ^2 /NDF: 18.8/21

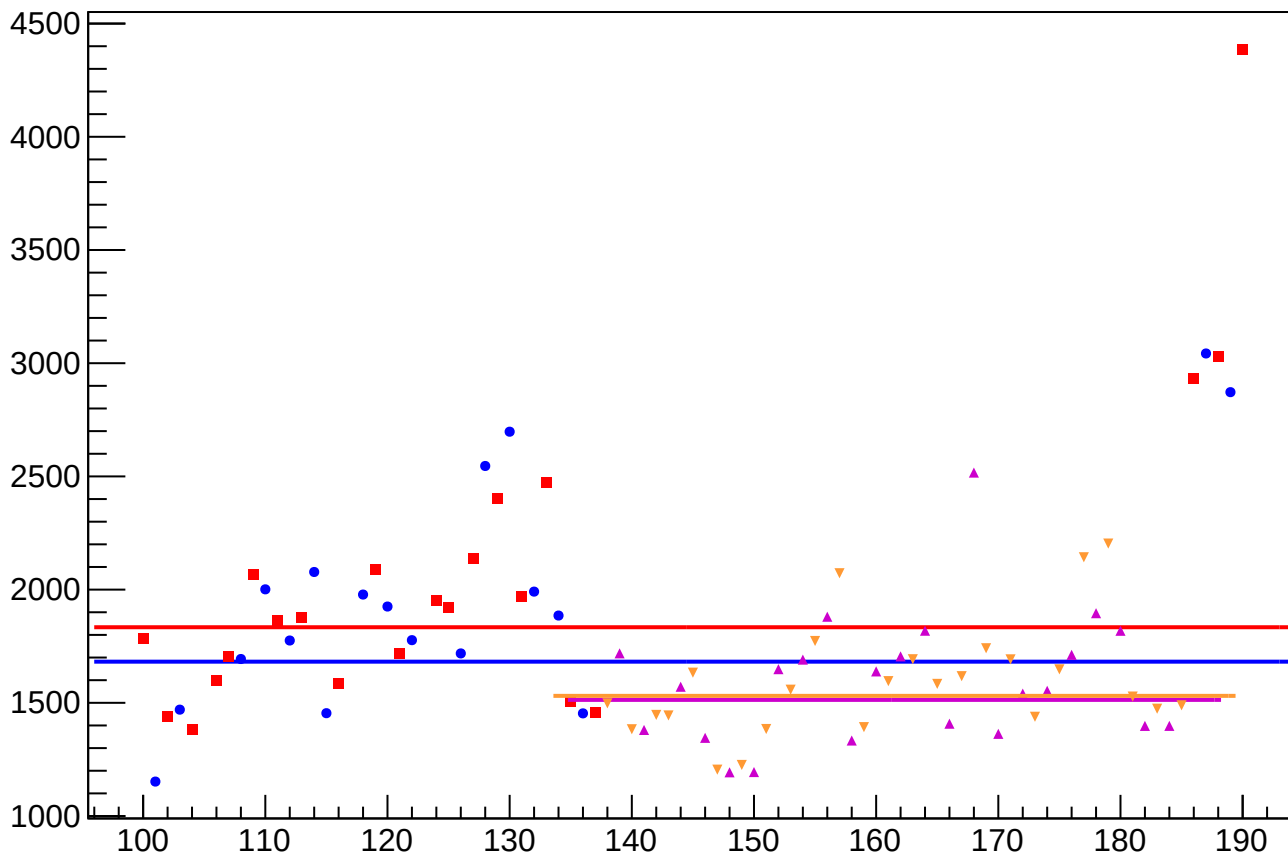
Left In: 128.769 $\pm$ 359.129 χ^2 /NDF: 17.9/22

+ sign 459.290 $\pm$ 306.780 χ^2 /NDF: 43.0/42

All: 397.622 $\pm$ 218.576 χ^2 /NDF: 81.0/87

- sign 334.042 $\pm$ 311.500 χ^2 /NDF: 38.0/44

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1681.803 $\pm$ 0.437 χ^2 /NDF: 961852.9/17

Left Out: 1530.768 $\pm$ 0.250 χ^2 /NDF: 795638.4/24

Right Out: 1833.834 $\pm$ 0.443 χ^2 /NDF: 1114319.0/21

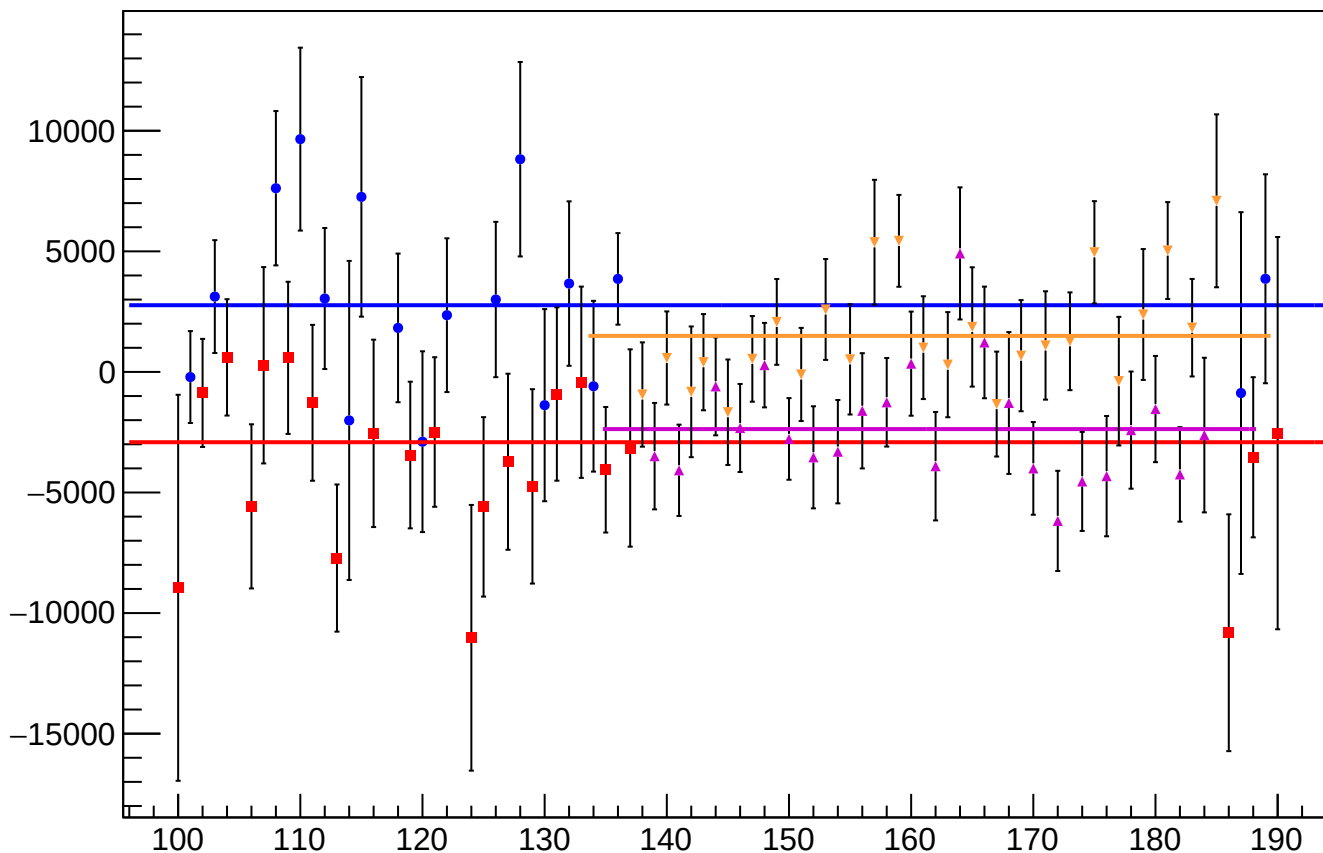
Left In: 1512.951 $\pm$ 0.254 χ^2 /NDF: 957065.2/22

+ sign 1567.982 $\pm$ 0.217 χ^2 /NDF: 1847503.9/42

All: 1580.014 $\pm$ 0.155 χ^2 /NDF: 4320573.6/87

- sign 1592.420 $\pm$ 0.220 χ^2 /NDF: 2466820.8/44

asym_usr_mean vs Slug



Right In: 2766.317 $\pm$ 742.148 χ^2 /NDF: 16.7/17

Left Out: 1495.022 $\pm$ 433.196 χ^2 /NDF: 23.8/24

Right Out: -2914.655 $\pm$ 734.689 χ^2 /NDF: 15.2/21

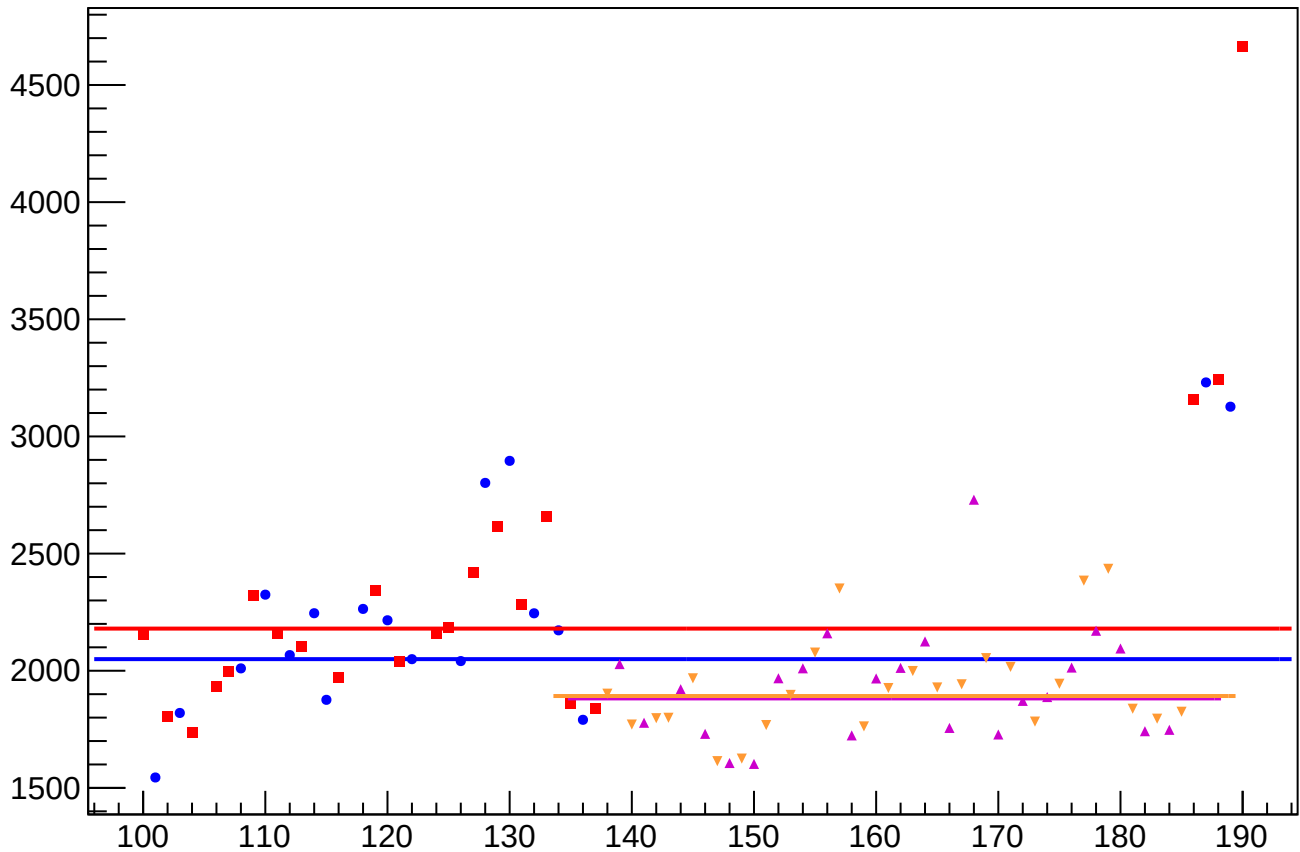
Left In: -2370.694 $\pm$ 442.952 χ^2 /NDF: 23.7/22

+ sign 1818.093 $\pm$ 374.125 χ^2 /NDF: 42.7/42

All: -318.811 $\pm$ 266.371 χ^2 /NDF: 148.2/87

- sign -2515.711 $\pm$ 379.340 χ^2 /NDF: 39.3/44

asym_usr_rms vs Slug



Right In: 2049.568 $\pm$ 0.525 χ^2 /NDF: 567873.9/17

Left Out: 1892.117 $\pm$ 0.306 χ^2 /NDF: 389648.0/24

Right Out: 2179.909 $\pm$ 0.520 χ^2 /NDF: 737910.4/21

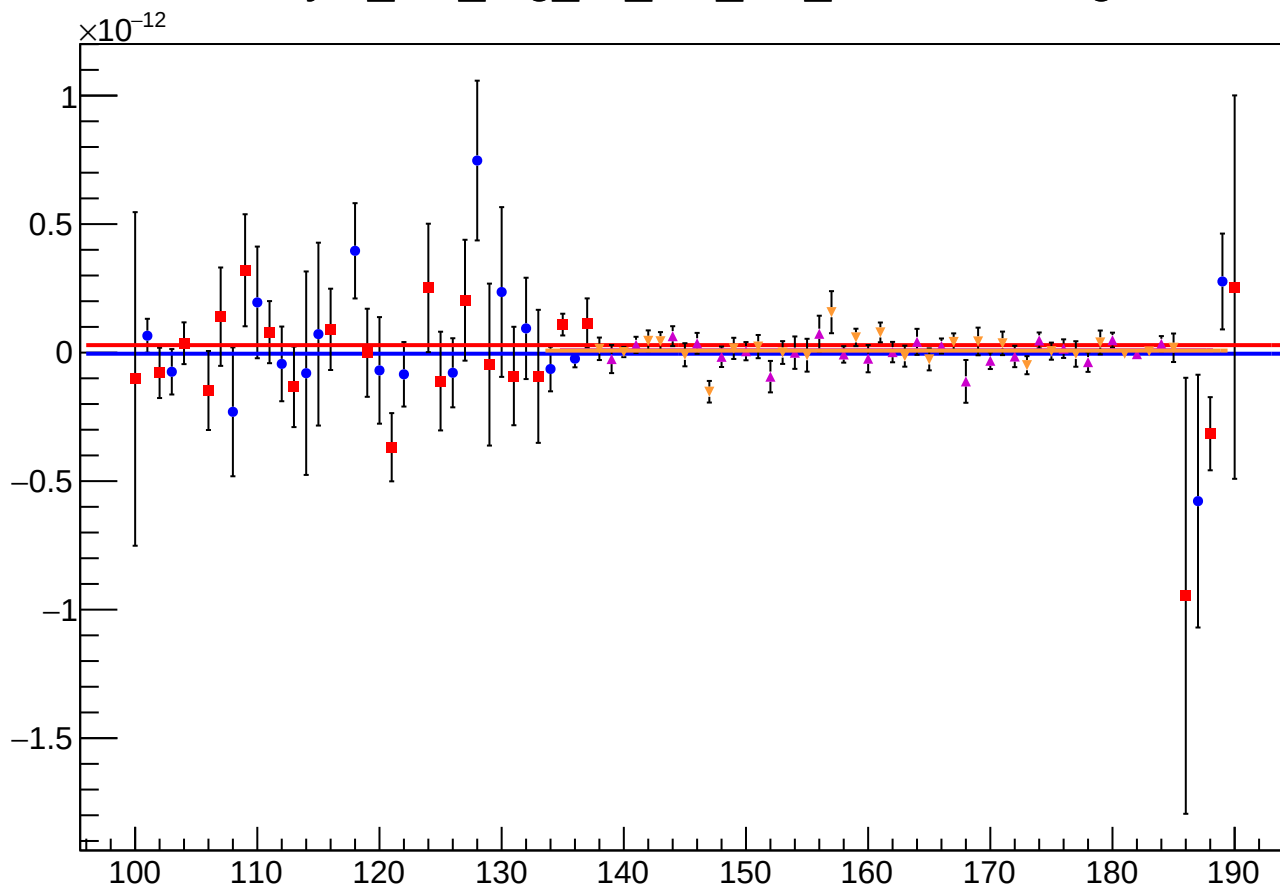
Left In: 1881.892 $\pm$ 0.313 χ^2 /NDF: 462659.6/22

+ sign 1932.129 $\pm$ 0.265 χ^2 /NDF: 1024665.3/42

All: 1946.533 $\pm$ 0.188 χ^2 /NDF: 2472598.4/87

- sign 1961.341 $\pm$ 0.268 χ^2 /NDF: 1441921.0/44

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 20.1/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 29.3/21

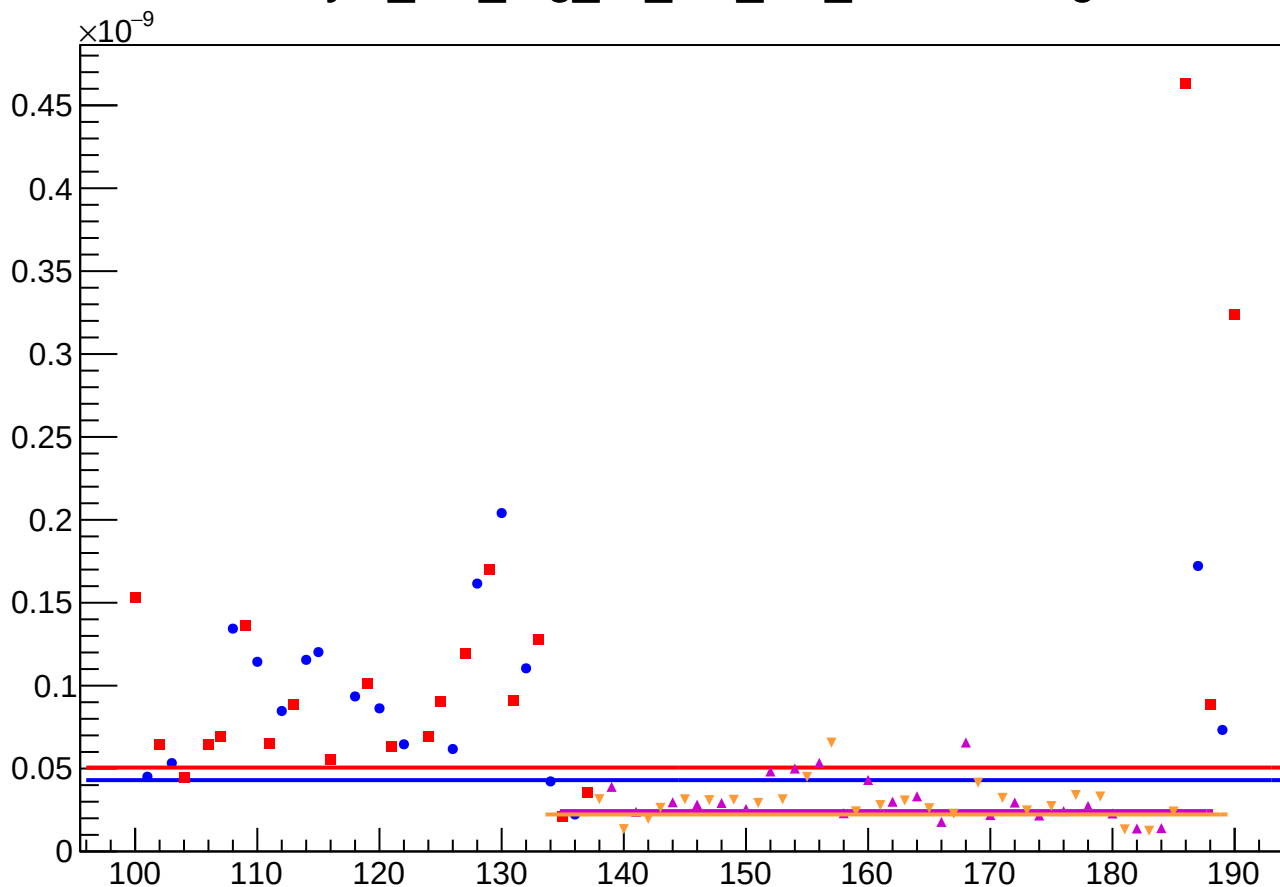
Left In: 0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 52.7/42

All: 0.000 ± 0.000 χ^2/NDF : 101.7/87

- sign 0.000 ± 0.000 χ^2/NDF : 48.9/44

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 3126695.9/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 3629538.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 3503109.5/21

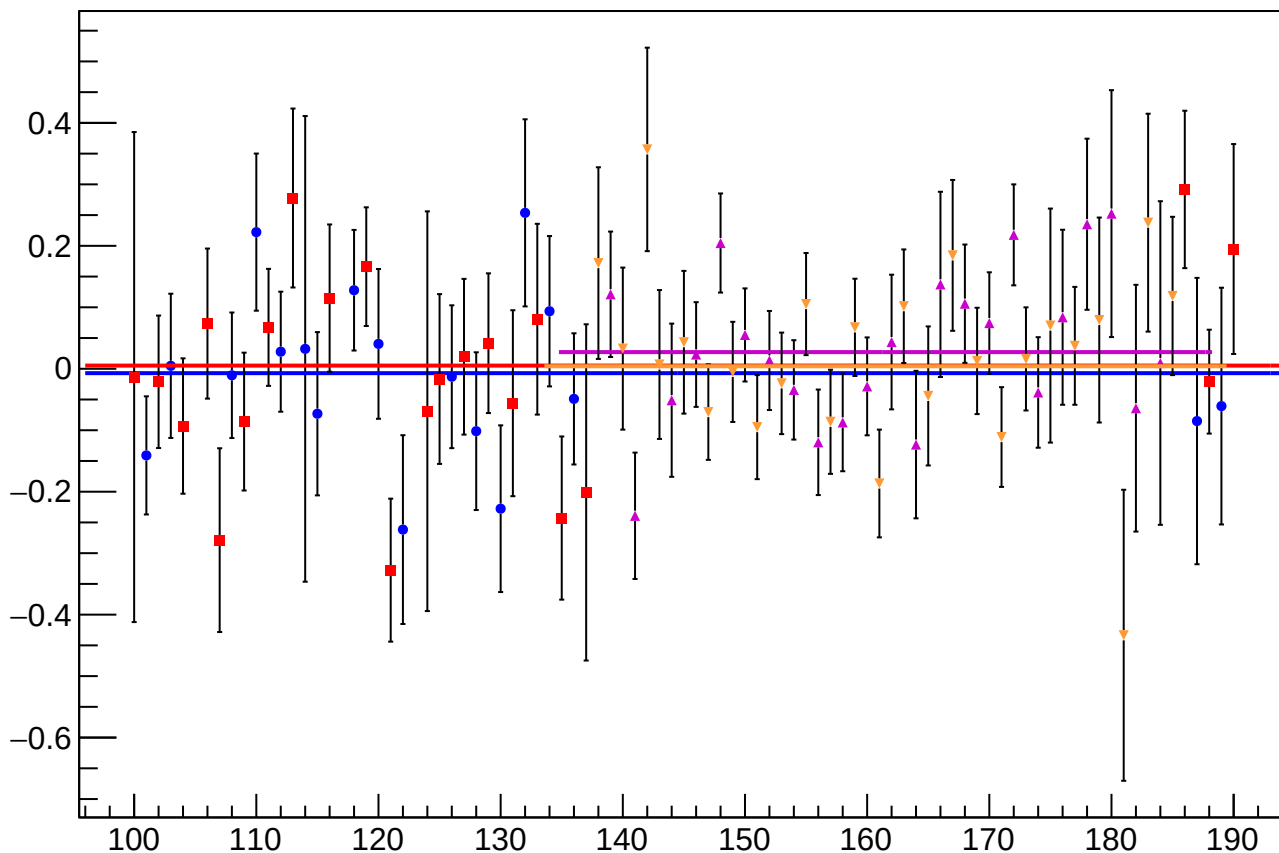
Left In: 0.000 ± 0.000 χ^2/NDF : 3124271.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 8125176.3/42

All: 0.000 ± 0.000 χ^2/NDF : 16688940.4/87

- sign 0.000 ± 0.000 χ^2/NDF : 8441870.3/44

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.029 χ^2/NDF : 17.5/17

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: 0.005 ± 0.027 χ^2/NDF : 32.2/21

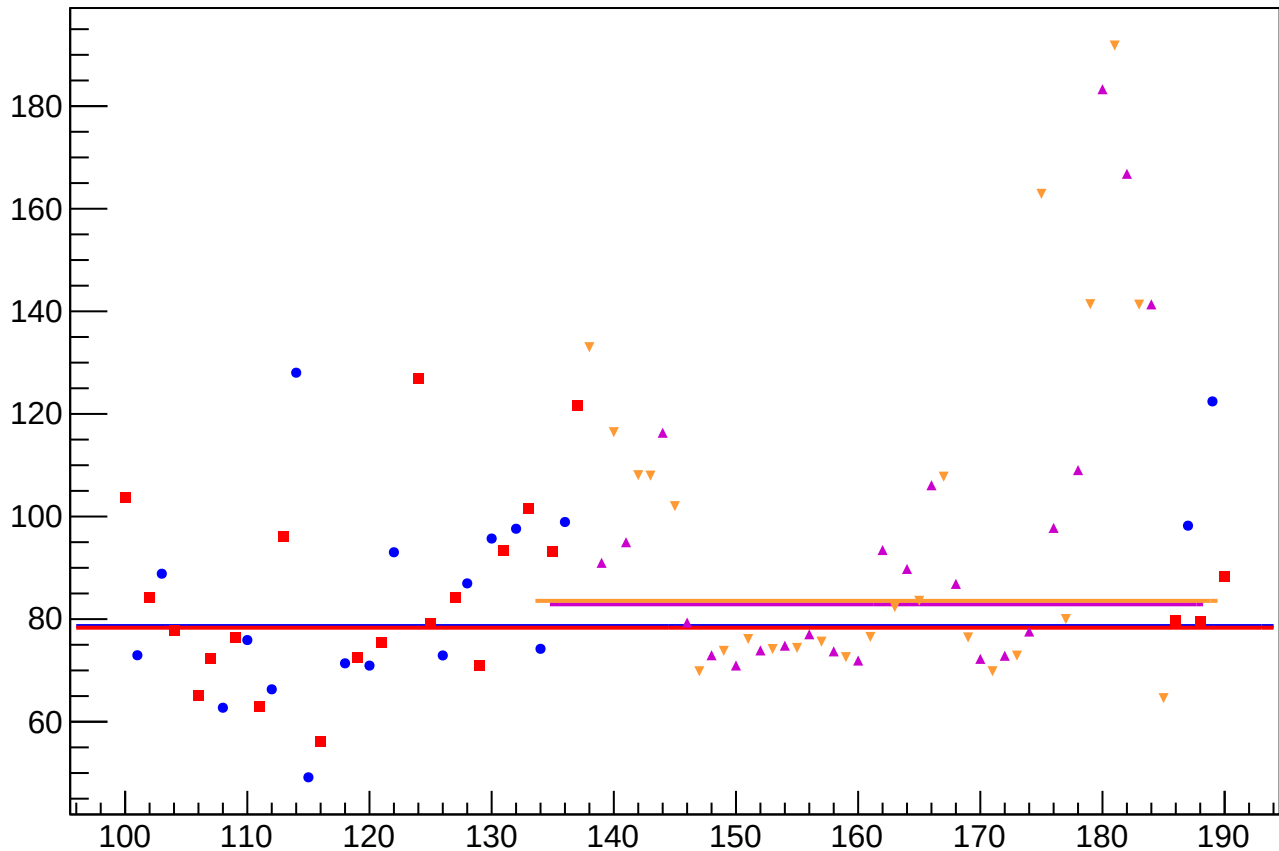
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.000 ± 0.017 χ^2/NDF : 45.8/42

All: 0.010 ± 0.012 χ^2/NDF : 110.9/87

- sign 0.019 ± 0.016 χ^2/NDF : 64.5/44

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 78.651 ± 0.021 $\chi^2/\text{NDF}: 541131.7/17$

Left Out: 83.564 ± 0.014 $\chi^2/\text{NDF}: 2172931.4/24$

Right Out: 78.329 ± 0.019 $\chi^2/\text{NDF}: 404572.0/21$

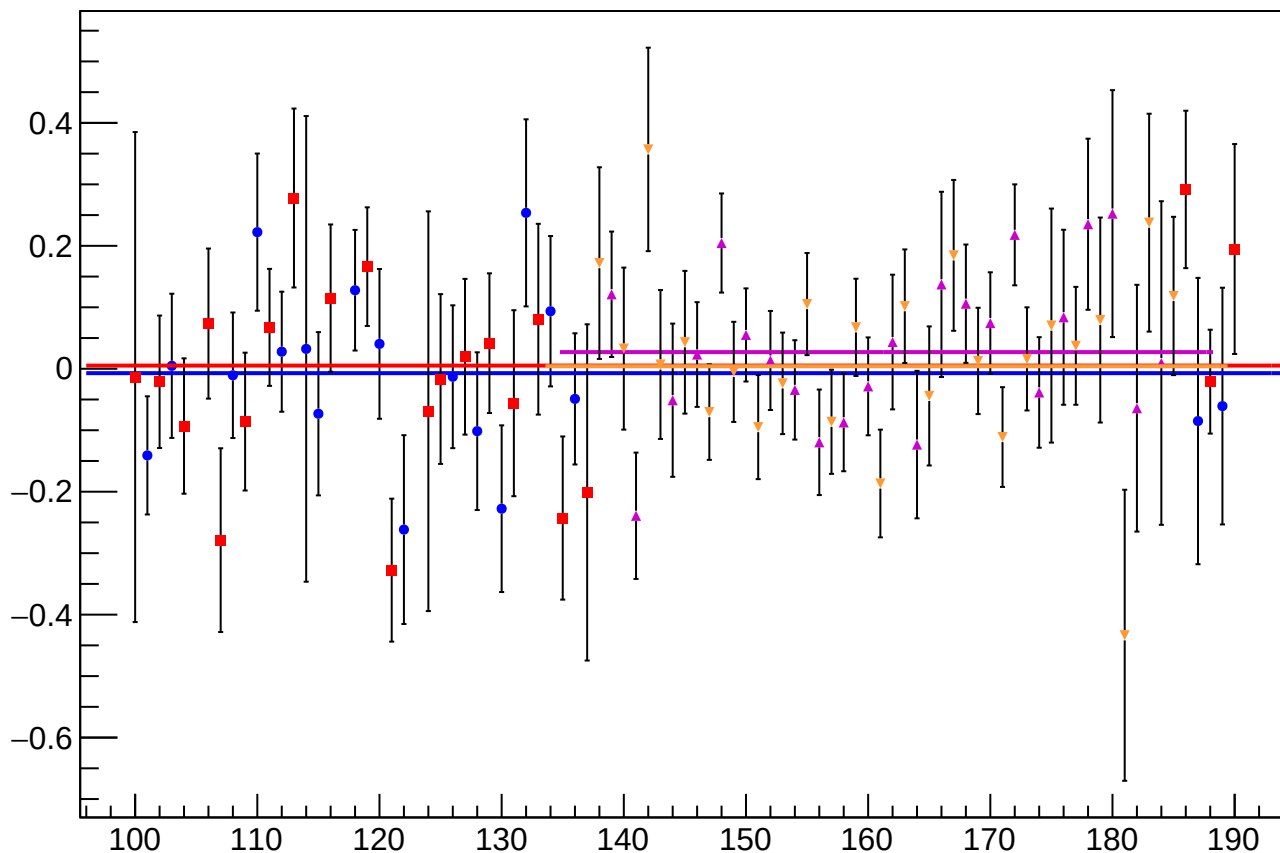
Left In: 82.891 ± 0.015 $\chi^2/\text{NDF}: 1573003.1/22$

+ sign 81.982 ± 0.012 $\chi^2/\text{NDF}: 2751792.7/42$

All: 81.593 ± 0.008 $\chi^2/\text{NDF}: 4767553.8/87$

- sign 81.221 ± 0.012 $\chi^2/\text{NDF}: 2013646.3/44$

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.029 χ^2/NDF : 17.5/17

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: 0.005 ± 0.027 χ^2/NDF : 32.2/21

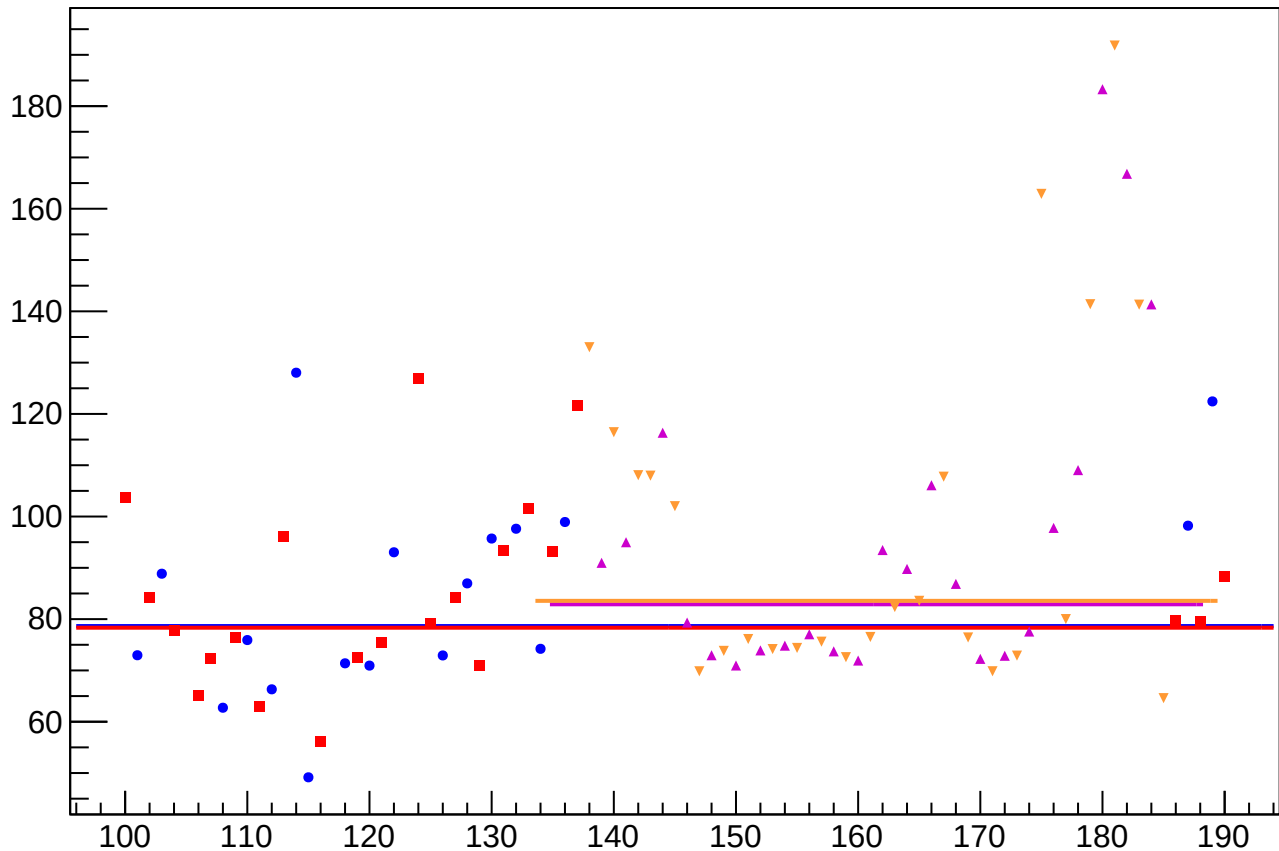
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.000 ± 0.017 χ^2/NDF : 45.8/42

All: 0.010 ± 0.012 χ^2/NDF : 110.9/87

- sign 0.019 ± 0.016 χ^2/NDF : 64.5/44

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.651 $\pm$ 0.021 χ^2 /NDF: 541131.7/17

Left Out: 83.564 $\pm$ 0.014 χ^2 /NDF: 2172931.4/24

Right Out: 78.329 $\pm$ 0.019 χ^2 /NDF: 404572.0/21

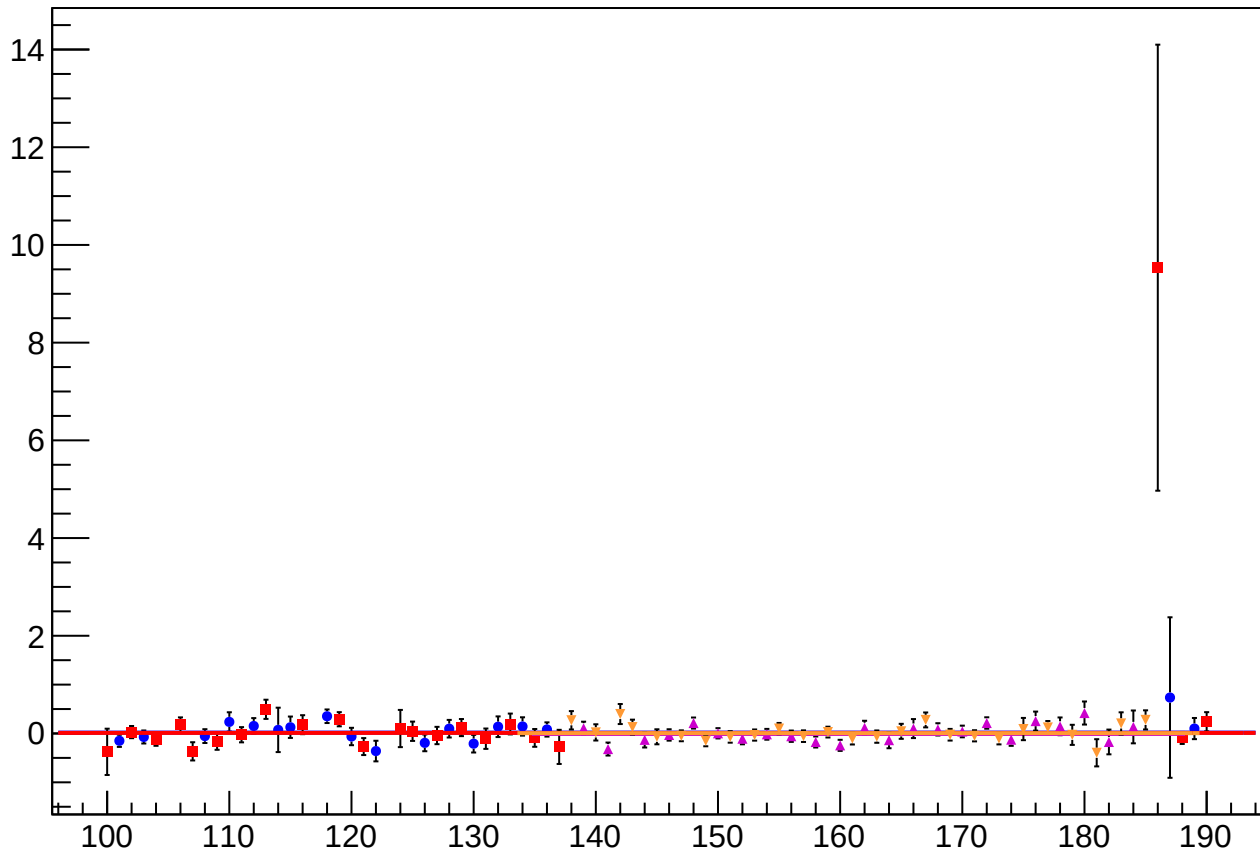
Left In: 82.891 $\pm$ 0.015 χ^2 /NDF: 1573003.1/22

+ sign 81.982 $\pm$ 0.012 χ^2 /NDF: 2751792.7/42

All: 81.593 $\pm$ 0.008 χ^2 /NDF: 4767553.8/87

- sign 81.221 $\pm$ 0.012 χ^2 /NDF: 2013646.3/44

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.018 ± 0.041 $\chi^2/\text{NDF}: 18.5/17$

Left Out: 0.006 ± 0.028 $\chi^2/\text{NDF}: 21.3/24$

Right Out: 0.011 ± 0.038 $\chi^2/\text{NDF}: 30.2/21$

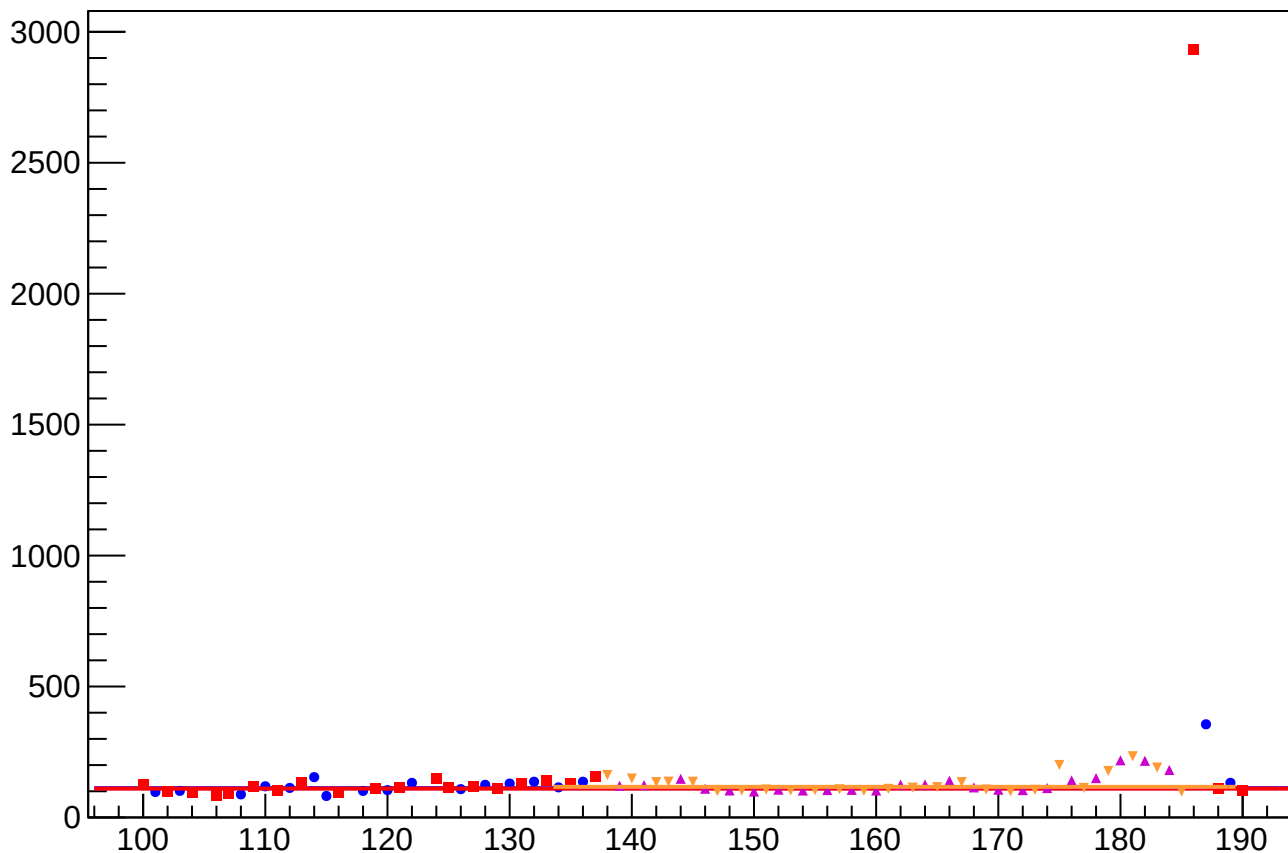
Left In: -0.010 ± 0.028 $\chi^2/\text{NDF}: 31.3/22$

+ sign 0.010 ± 0.023 $\chi^2/\text{NDF}: 39.9/42$

All: 0.003 ± 0.016 $\chi^2/\text{NDF}: 101.7/87$

- sign -0.003 ± 0.023 $\chi^2/\text{NDF}: 61.7/44$

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 111.656+/-0.029 χ^2/NDF : 363002.7/17

Left Out: 116.880+/-0.020 χ^2/NDF : 1596935.1/24

Right Out: 110.315+/-0.027 χ^2/NDF : 1094392.0/21

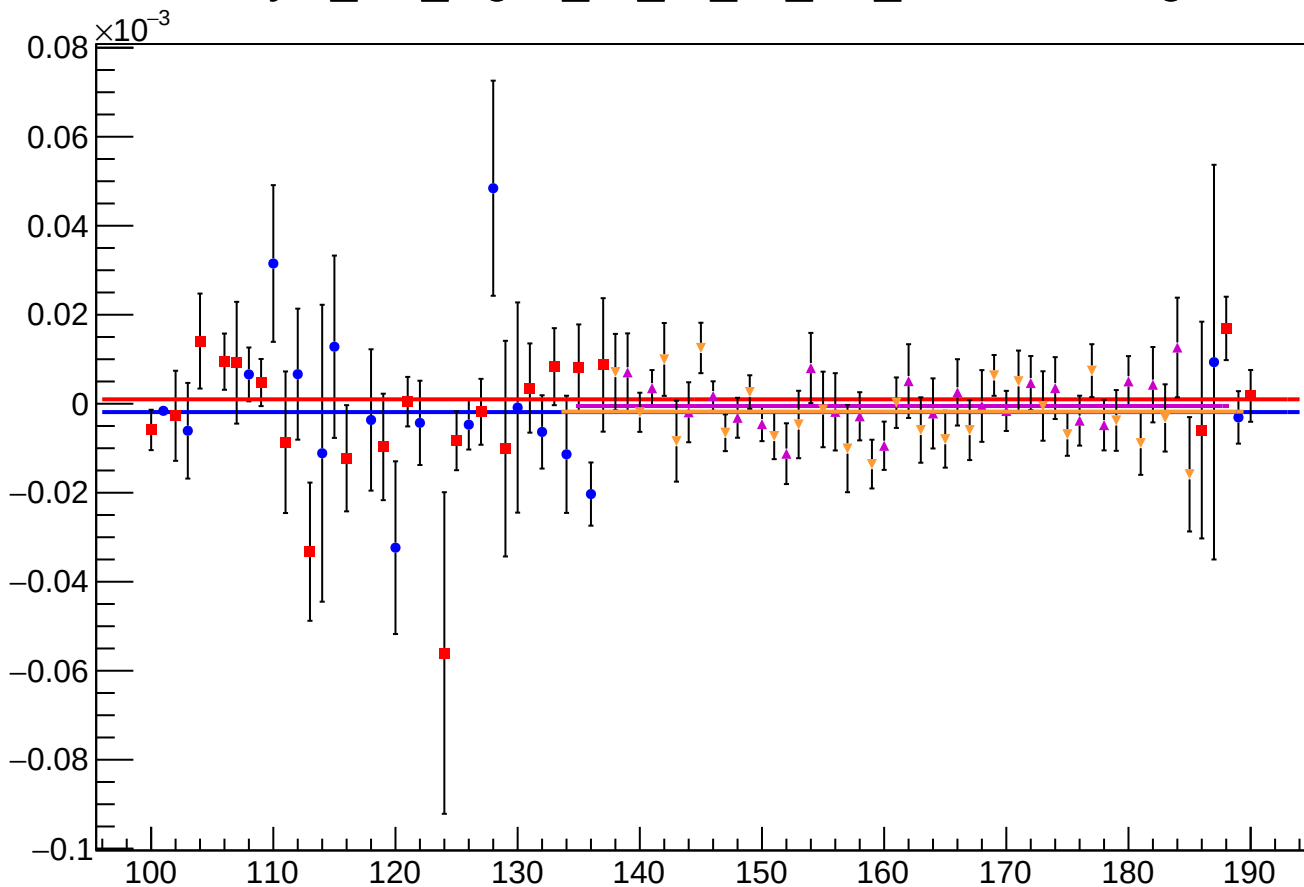
Left In: 115.858+/-0.020 χ^2/NDF : 1231382.1/22

+ sign 115.263+/-0.016 χ^2/NDF : 1981851.7/42

All: 114.581+/-0.011 χ^2/NDF : 4338164.3/87

- sign 113.919+/-0.016 χ^2/NDF : 2352864.7/44

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 31.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.4/21

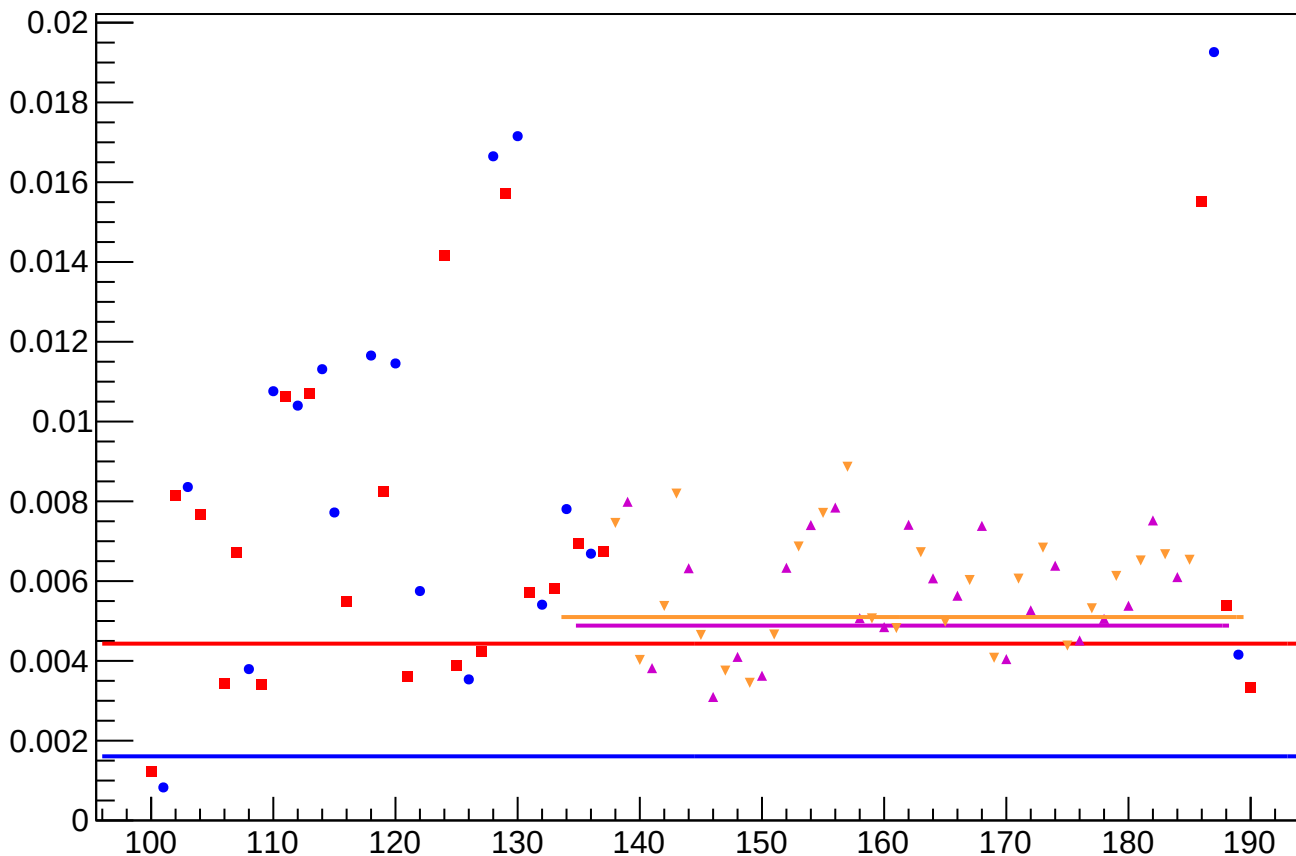
Left In: -0.000 ± 0.000 χ^2/NDF : 15.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 52.5/42

All: -0.000 ± 0.000 χ^2/NDF : 96.1/87

- sign -0.000 ± 0.000 χ^2/NDF : 41.5/44

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 9926675.3/17

Left Out: 0.005+/-0.000 χ^2/NDF :2378649.6/24

Right Out: 0.004+/-0.000 χ^2/NDF : 3908687.8/21

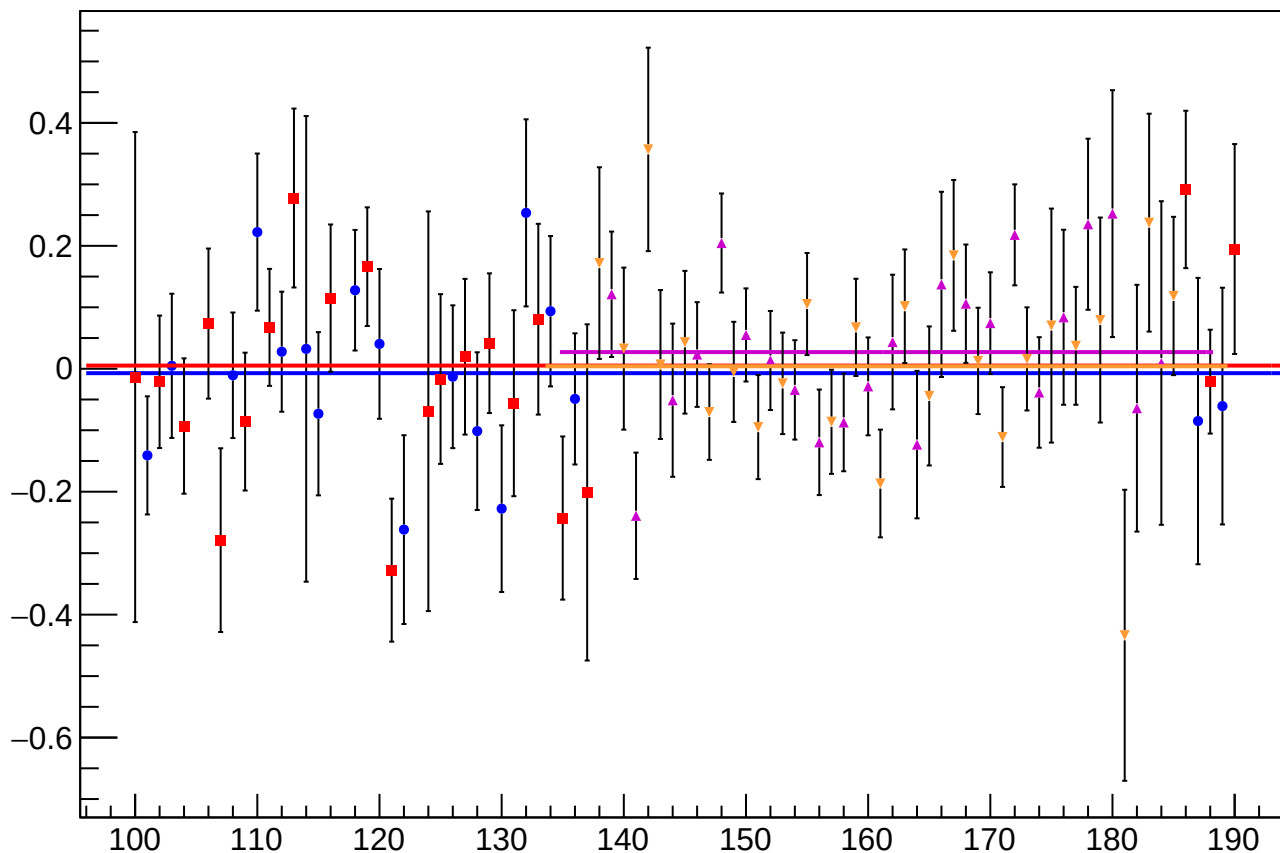
Left In: 0.005+/-0.000 χ^2/NDF :2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 22509231.0/42

All: 0.004+/-0.000 χ^2/NDF : 33376337.8/87

- sign 0.005+/-0.000 χ^2/NDF : 6724105.0/44

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.029 χ^2/NDF : 17.5/17

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: 0.005 ± 0.027 χ^2/NDF : 32.2/21

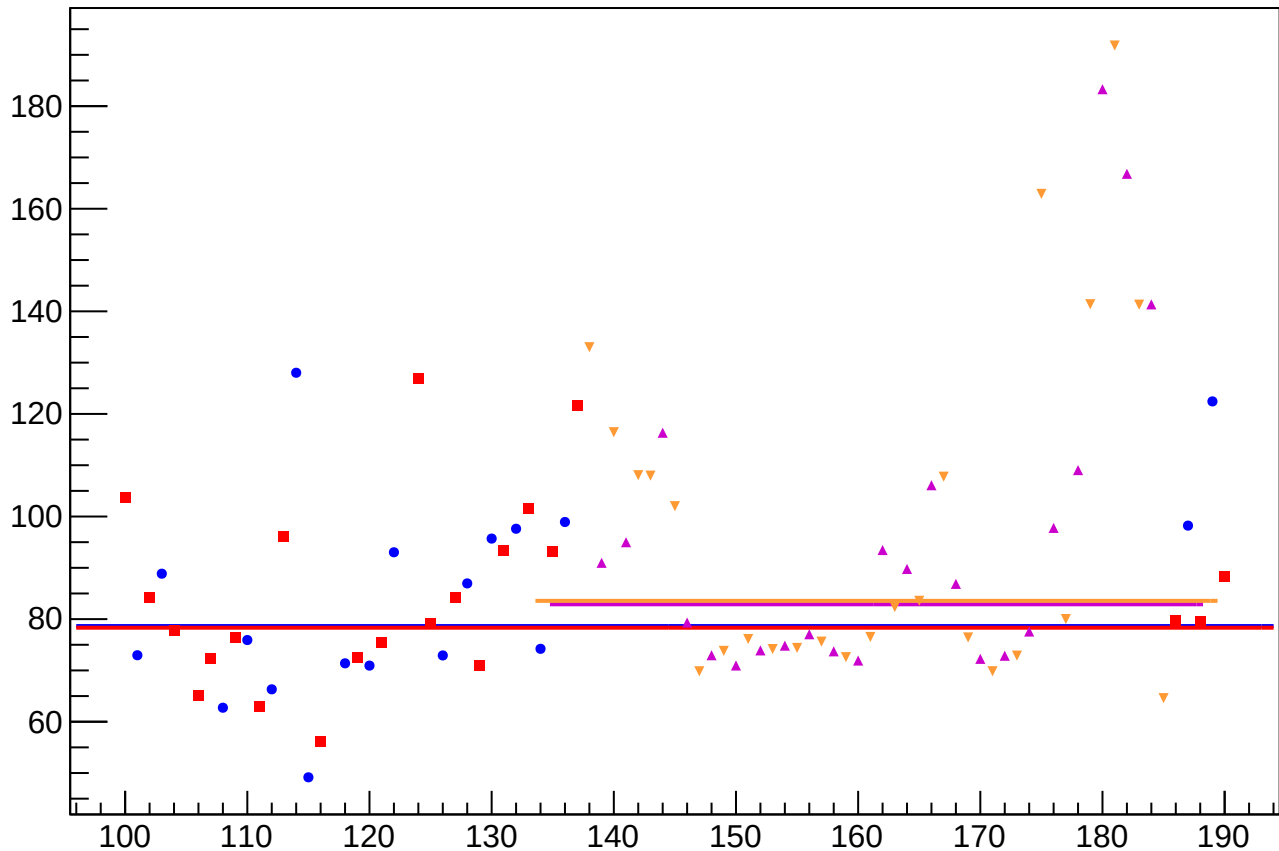
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.000 ± 0.017 χ^2/NDF : 45.8/42

All: 0.010 ± 0.012 χ^2/NDF : 110.9/87

- sign 0.019 ± 0.016 χ^2/NDF : 64.5/44

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 78.649 ± 0.021 $\chi^2/\text{NDF}: 541145.1/17$

Left Out: 83.565 ± 0.014 $\chi^2/\text{NDF}: 2172921.0/24$

Right Out: 78.328 ± 0.019 $\chi^2/\text{NDF}: 404572.4/21$

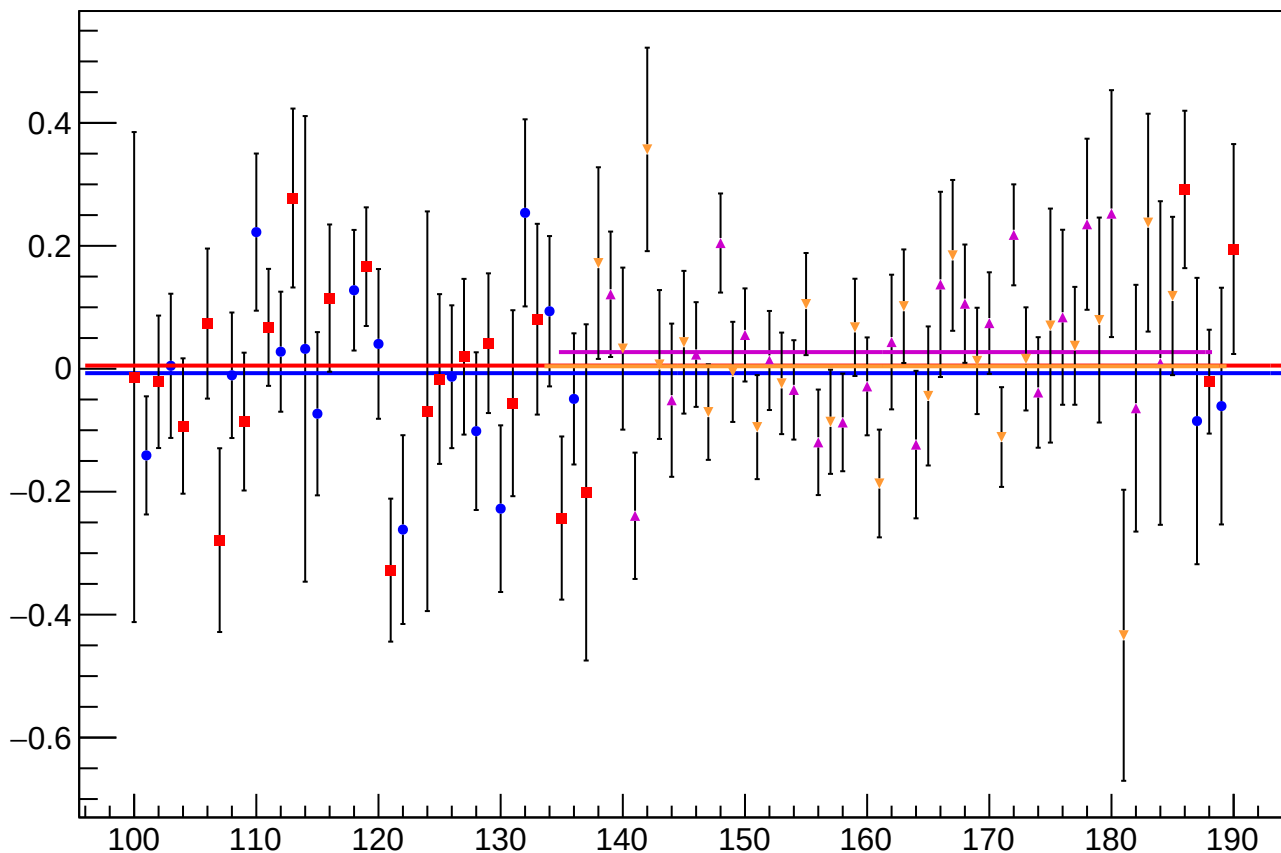
Left In: 82.891 ± 0.015 $\chi^2/\text{NDF}: 1572981.0/22$

+ sign 81.982 ± 0.012 $\chi^2/\text{NDF}: 2751829.0/42$

All: 81.593 ± 0.008 $\chi^2/\text{NDF}: 4767599.3/87$

- sign 81.221 ± 0.012 $\chi^2/\text{NDF}: 2013654.6/44$

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.029 χ^2/NDF : 17.5/17

Left Out: 0.004 ± 0.020 χ^2/NDF : 28.2/24

Right Out: 0.005 ± 0.027 χ^2/NDF : 32.2/21

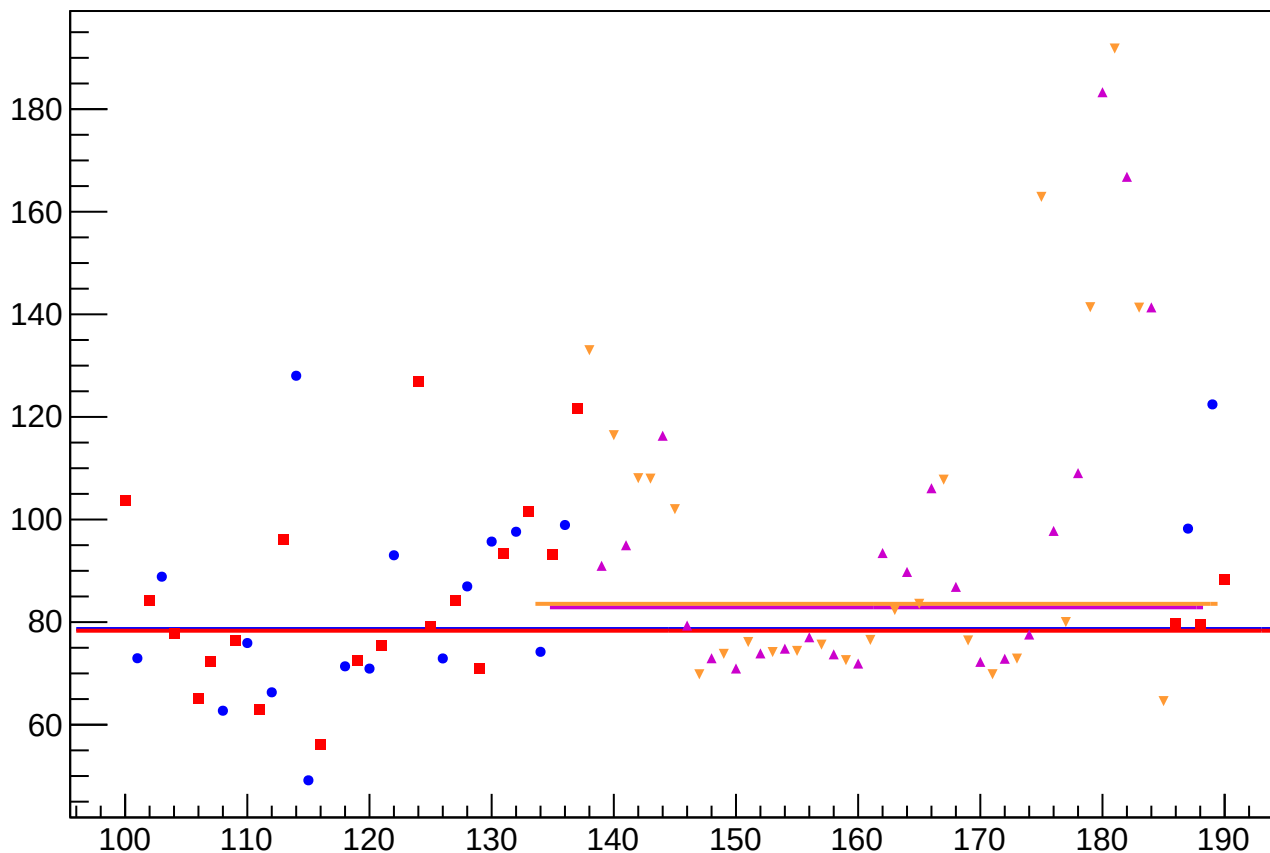
Left In: 0.027 ± 0.021 χ^2/NDF : 32.0/22

+ sign 0.000 ± 0.017 χ^2/NDF : 45.8/42

All: 0.010 ± 0.012 χ^2/NDF : 110.9/87

- sign 0.019 ± 0.016 χ^2/NDF : 64.5/44

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.649 $\pm$ 0.021 χ^2 /NDF: 541145.1/17

Left Out: 83.565 $\pm$ 0.014 χ^2 /NDF:2172921.0/24

Right Out: 78.328 $\pm$ 0.019 χ^2 /NDF: 404572.4/21

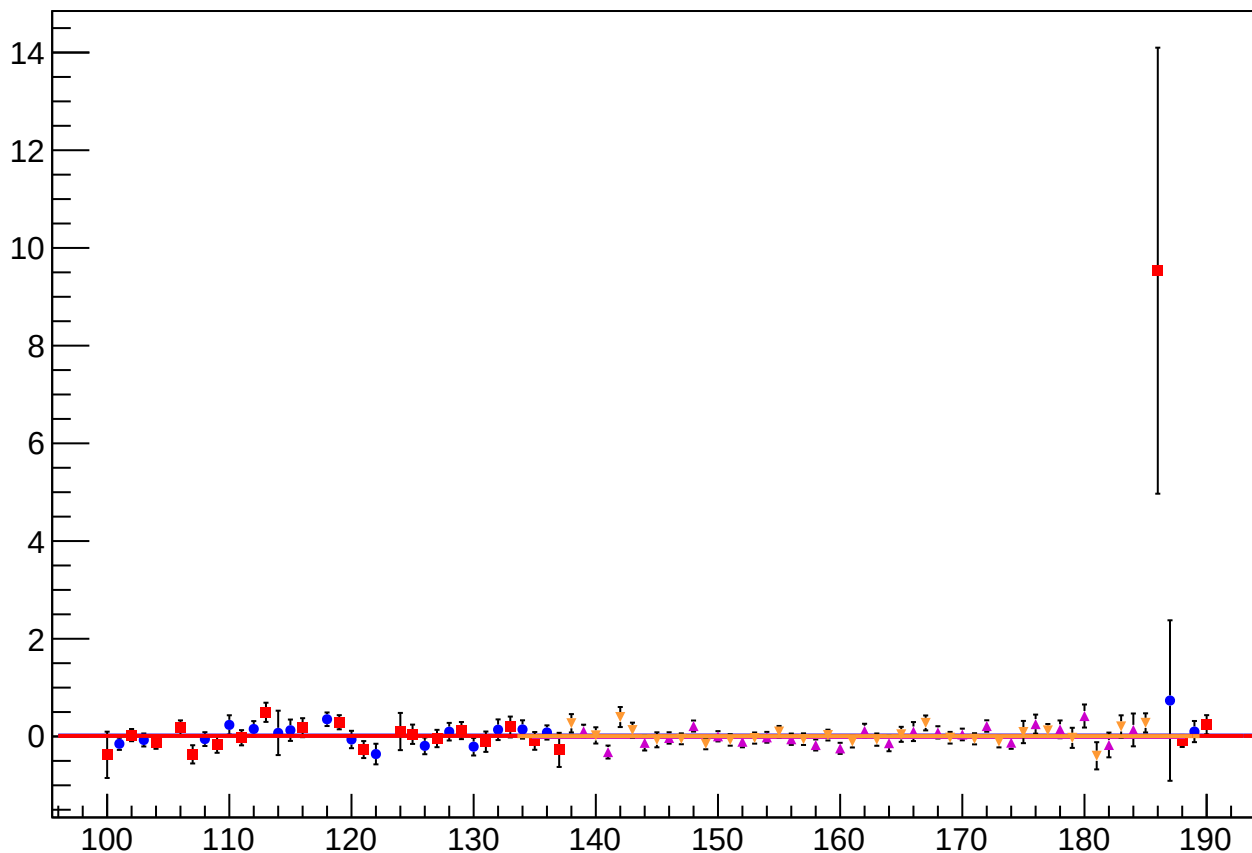
Left In: 82.891 $\pm$ 0.015 χ^2 /NDF:1572981.0/22

+ sign 81.982 $\pm$ 0.012 χ^2 /NDF: 2751829.0/42

All: 81.593 $\pm$ 0.008 χ^2 /NDF: 4767599.3/87

- sign 81.221 $\pm$ 0.012 χ^2 /NDF: 2013654.6/44

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.018 ± 0.041 $\chi^2/\text{NDF}: 18.5/17$

Left Out: 0.006 ± 0.028 $\chi^2/\text{NDF}: 21.3/24$

Right Out: 0.011 ± 0.038 $\chi^2/\text{NDF}: 30.2/21$

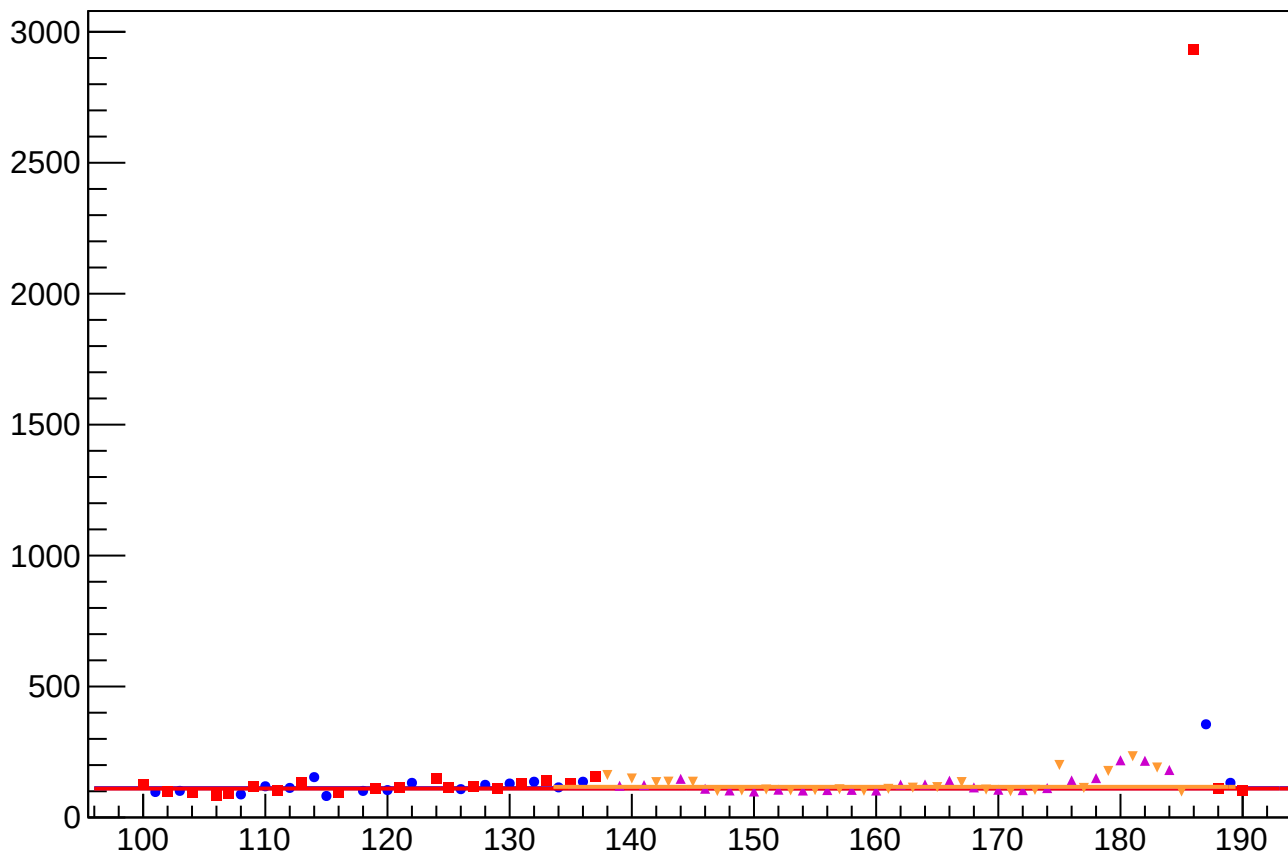
Left In: -0.010 ± 0.028 $\chi^2/\text{NDF}: 31.3/22$

+ sign 0.010 ± 0.023 $\chi^2/\text{NDF}: 39.9/42$

All: 0.003 ± 0.016 $\chi^2/\text{NDF}: 101.7/87$

- sign -0.003 ± 0.023 $\chi^2/\text{NDF}: 61.7/44$

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 111.655 $\pm$ 0.029 χ^2 /NDF: 362980.8/17

Left Out: 116.880 $\pm$ 0.020 χ^2 /NDF: 1596928.7/24

Right Out: 110.315 $\pm$ 0.027 χ^2 /NDF: 1094362.9/21

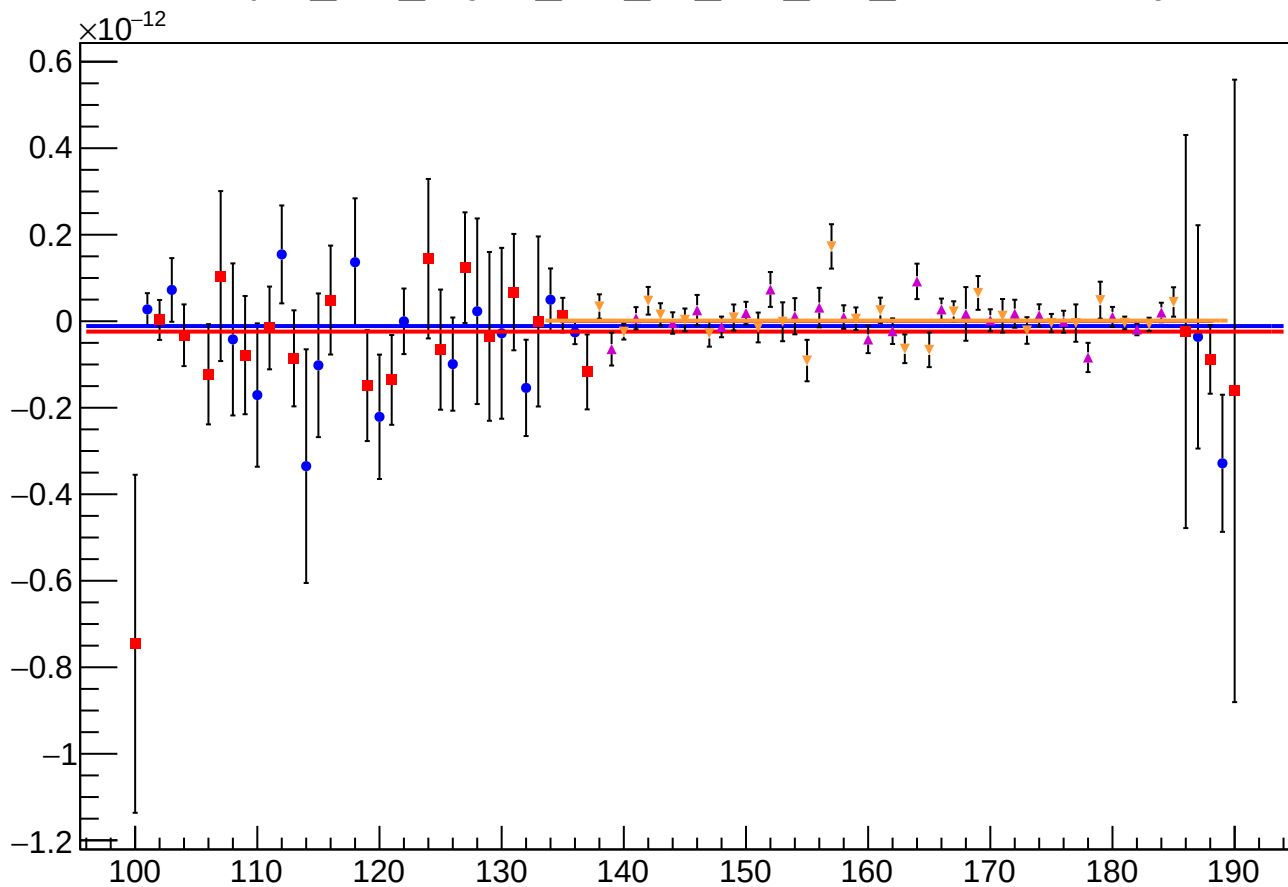
Left In: 115.858 $\pm$ 0.020 χ^2 /NDF: 1231371.8/22

+ sign 115.263 $\pm$ 0.016 χ^2 /NDF: 1981834.9/42

All: 114.581 $\pm$ 0.011 χ^2 /NDF: 4338117.9/87

- sign 113.919 $\pm$ 0.016 χ^2 /NDF: 2352834.9/44

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 36.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.3/21

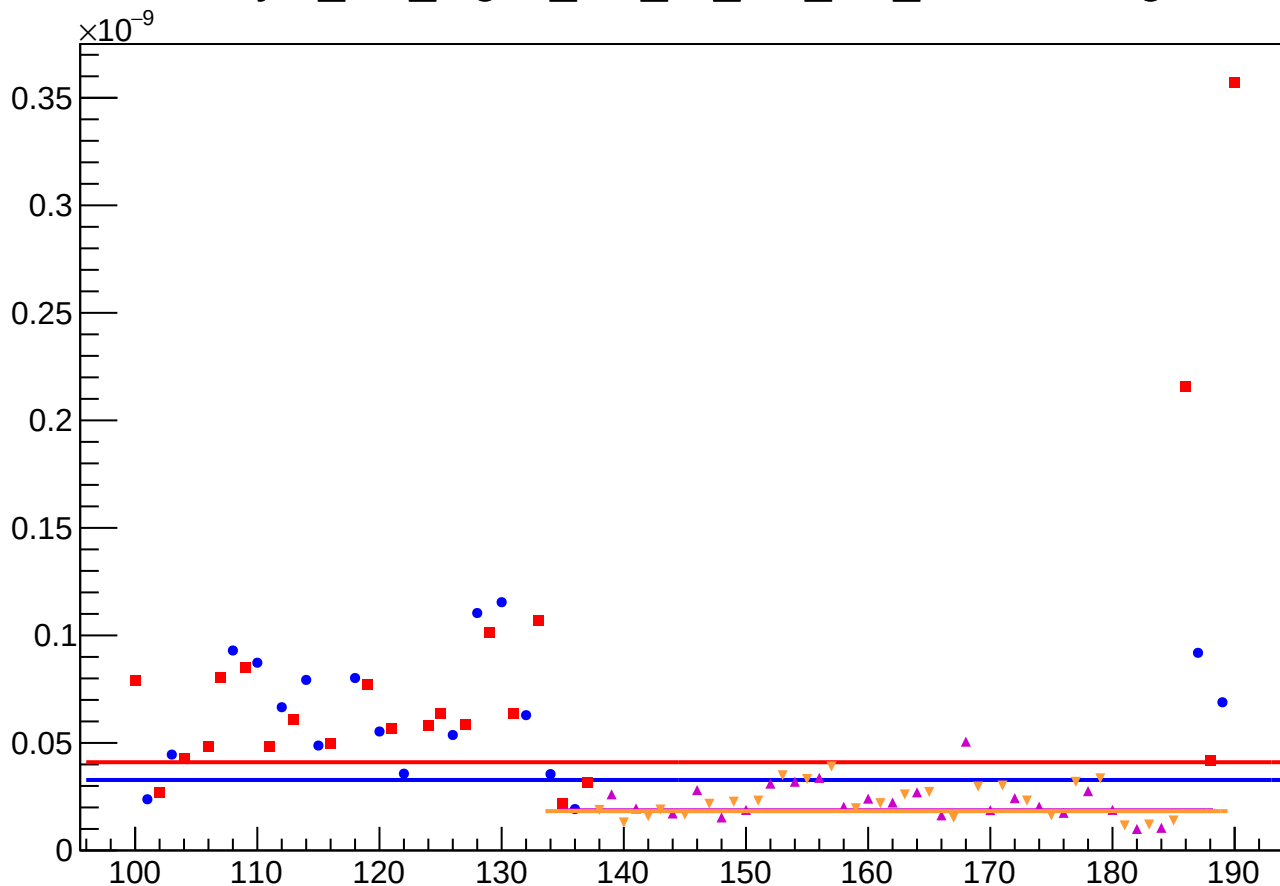
Left In: 0.000 ± 0.000 χ^2/NDF : 26.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 54.8/42

All: -0.000 ± 0.000 χ^2/NDF : 96.2/87

- sign -0.000 ± 0.000 χ^2/NDF : 41.4/44

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2671617.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :3029080.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2550374.3/21

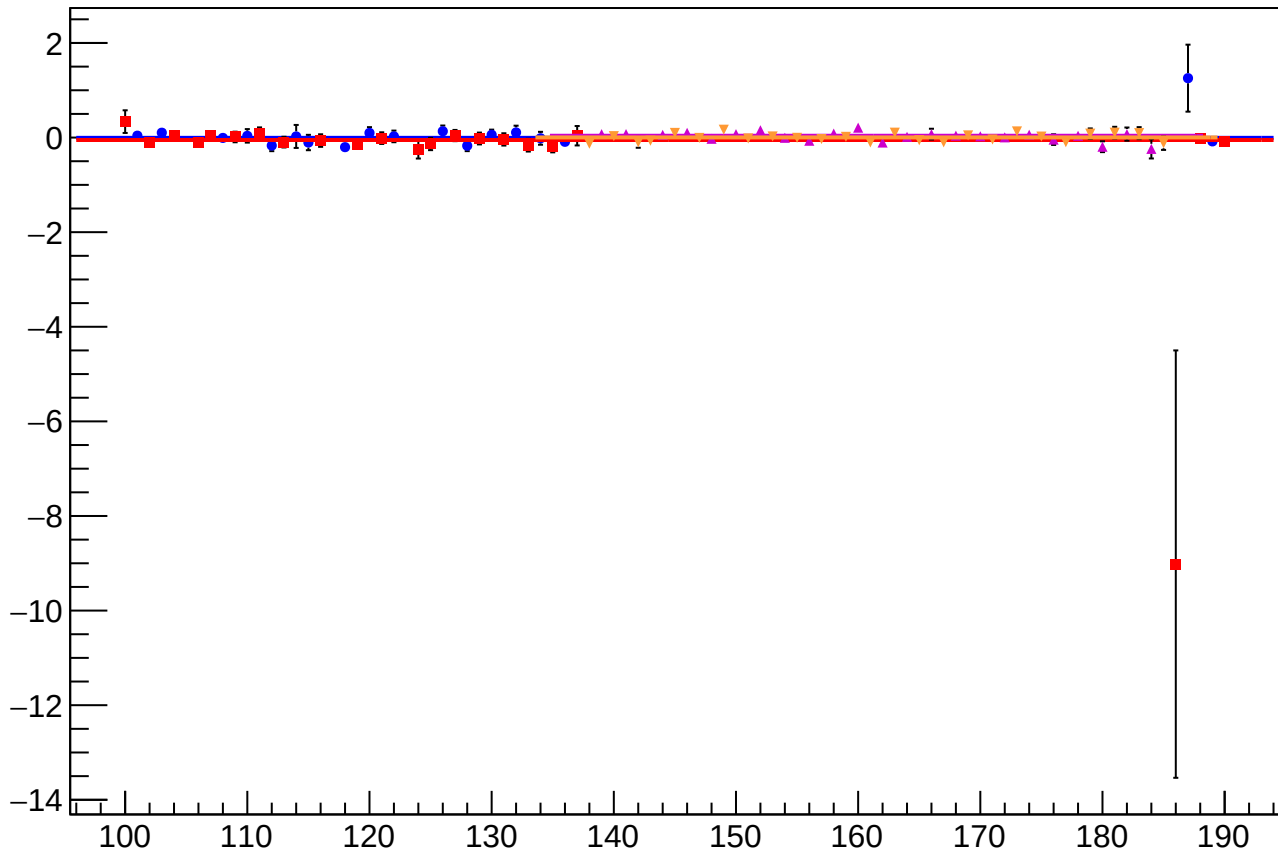
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :2908977.5/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 6917657.7/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 14630406.7/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 7692608.2/44

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.024 χ^2/NDF : 21.3/17

Left Out: 0.003 ± 0.017 χ^2/NDF : 21.5/24

Right Out: -0.051 ± 0.022 χ^2/NDF : 19.4/21

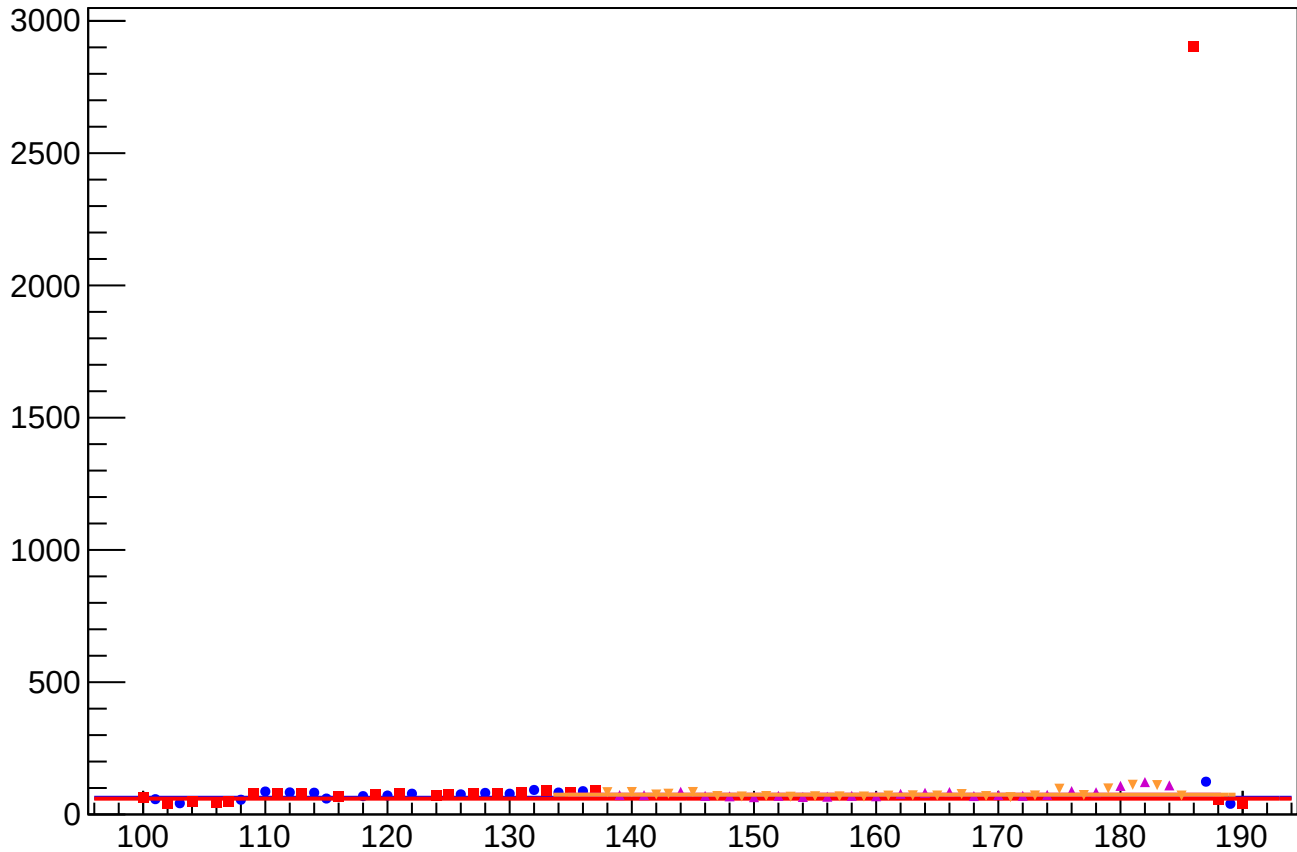
Left In: 0.038 ± 0.018 χ^2/NDF : 21.6/22

+ sign -0.000 ± 0.014 χ^2/NDF : 42.9/42

All: 0.001 ± 0.010 χ^2/NDF : 94.1/87

- sign 0.002 ± 0.014 χ^2/NDF : 51.2/44

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 63.080 $\pm$ 0.017 χ^2 /NDF: 1125622.4/17

Left Out: 74.749 $\pm$ 0.012 χ^2 /NDF: 744366.0/24

Right Out: 59.763 $\pm$ 0.015 χ^2 /NDF: 2087154.8/21

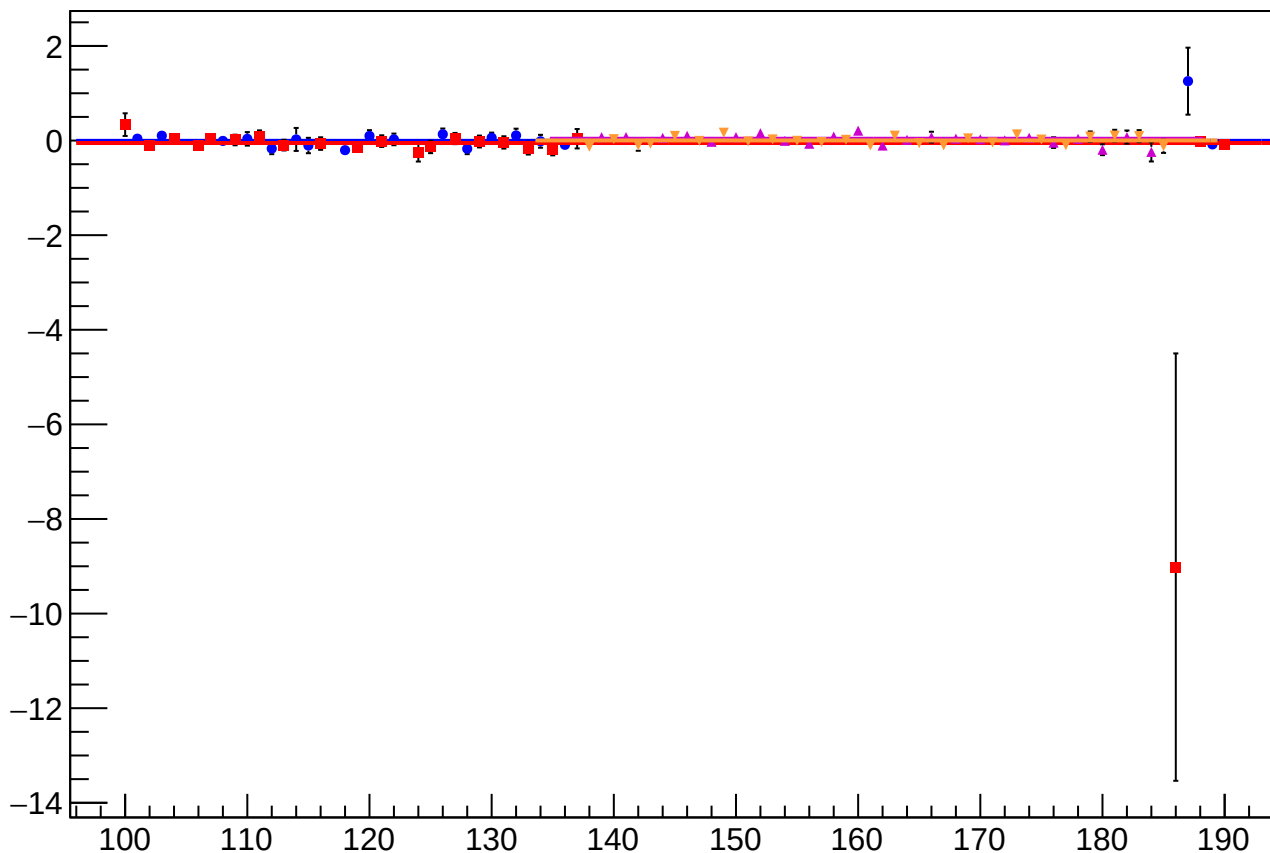
Left In: 74.601 $\pm$ 0.013 χ^2 /NDF: 713751.1/22

+ sign 70.720 $\pm$ 0.010 χ^2 /NDF: 2179653.3/42

All: 69.616 $\pm$ 0.007 χ^2 /NDF: 5565145.1/87

- sign 68.564 $\pm$ 0.010 χ^2 /NDF: 3361556.2/44

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.024 χ^2/NDF : 21.3/17

Left Out: 0.003 ± 0.017 χ^2/NDF : 21.5/24

Right Out: -0.051 ± 0.022 χ^2/NDF : 19.4/21

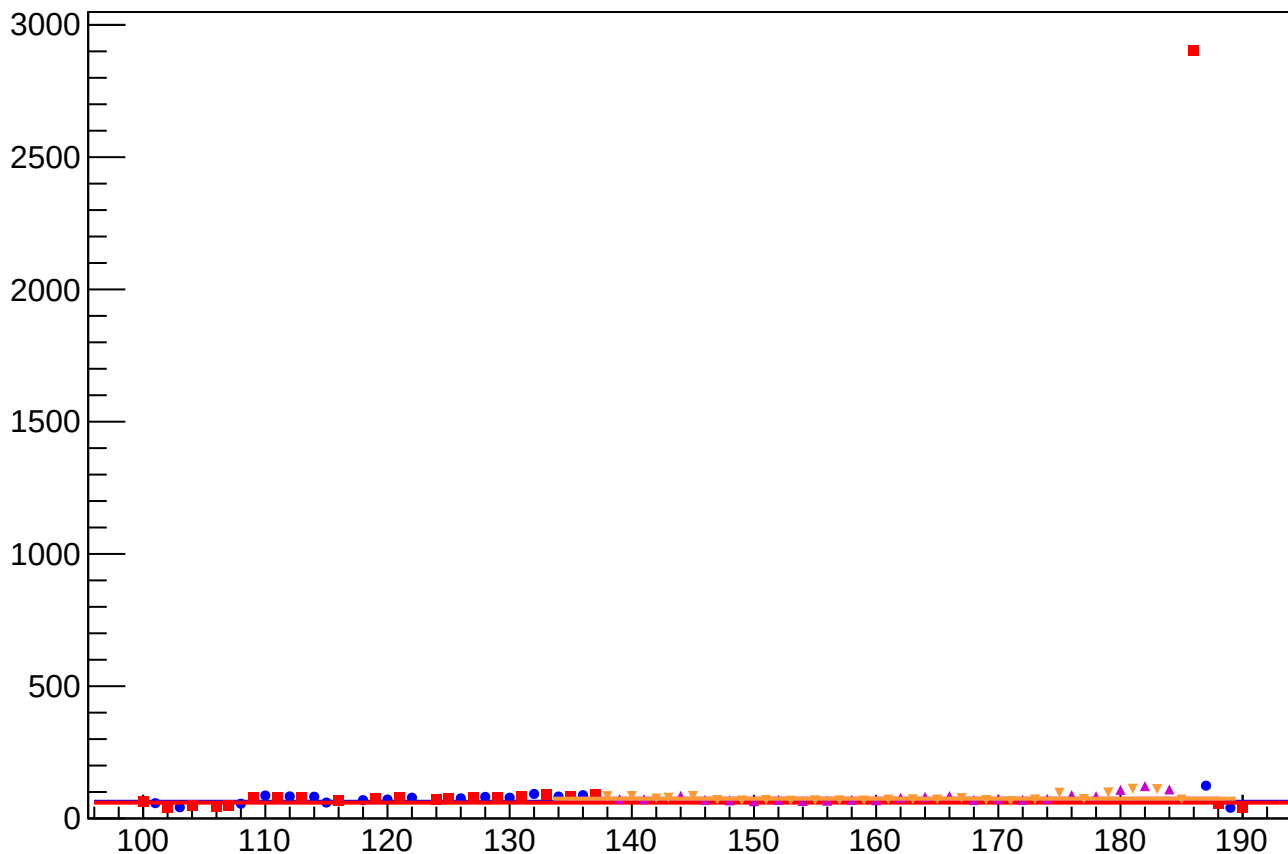
Left In: 0.038 ± 0.018 χ^2/NDF : 21.6/22

+ sign -0.000 ± 0.014 χ^2/NDF : 42.9/42

All: 0.001 ± 0.010 χ^2/NDF : 94.1/87

- sign 0.002 ± 0.014 χ^2/NDF : 51.2/44

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 63.080 $\pm$ 0.017 χ^2 /NDF: 1125622.4/17

Left Out: 74.749 $\pm$ 0.012 χ^2 /NDF: 744366.0/24

Right Out: 59.763 $\pm$ 0.015 χ^2 /NDF: 2087154.8/21

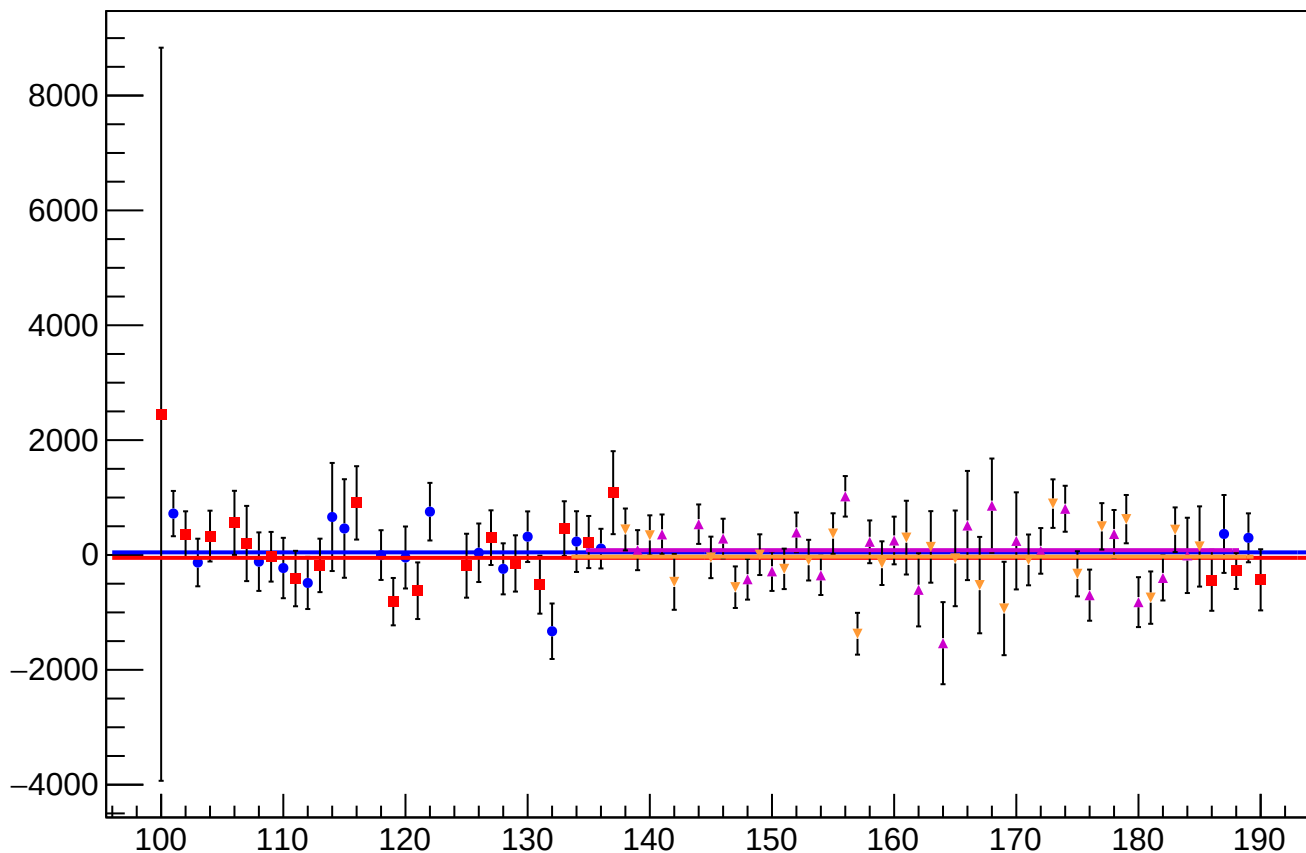
Left In: 74.601 $\pm$ 0.013 χ^2 /NDF: 713751.1/22

+ sign 70.720 $\pm$ 0.010 χ^2 /NDF: 2179653.3/42

All: 69.616 $\pm$ 0.007 χ^2 /NDF: 5565145.1/87

- sign 68.564 $\pm$ 0.010 χ^2 /NDF: 3361556.2/44

asym_dsl_mean vs Slug



Right In: 45.385+/-113.378 χ^2/NDF : 17.2/17

Left Out: -29.346+/-86.530 χ^2/NDF : 36.6/23

Right Out: -49.887+/-106.820 χ^2/NDF : 17.9/20

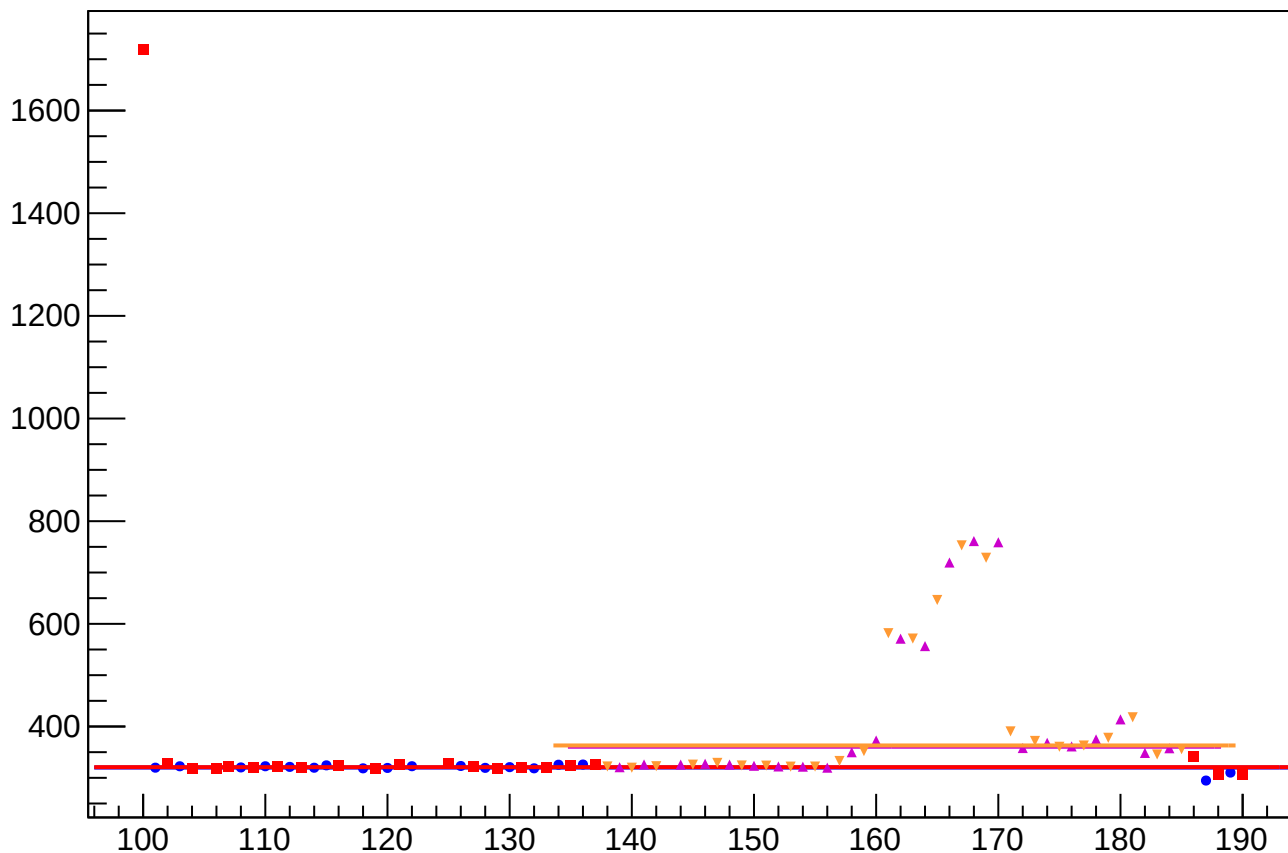
Left In: 83.719+/-86.476 χ^2/NDF : 35.8/22

+ sign -1.840+/-68.786 χ^2/NDF : 54.0/41

All: 14.870+/-48.073 χ^2/NDF : 108.8/85

- sign 30.824+/-67.212 χ^2/NDF : 54.7/43

asym_dsl_rms vs Slug



Right In: 320.046+/-0.080 χ^2/NDF : 5018.7/17

Left Out: 363.079+/-0.061 χ^2/NDF : 1795570.0/23

Right Out: 320.807+/-0.076 χ^2/NDF : 105691.3/20

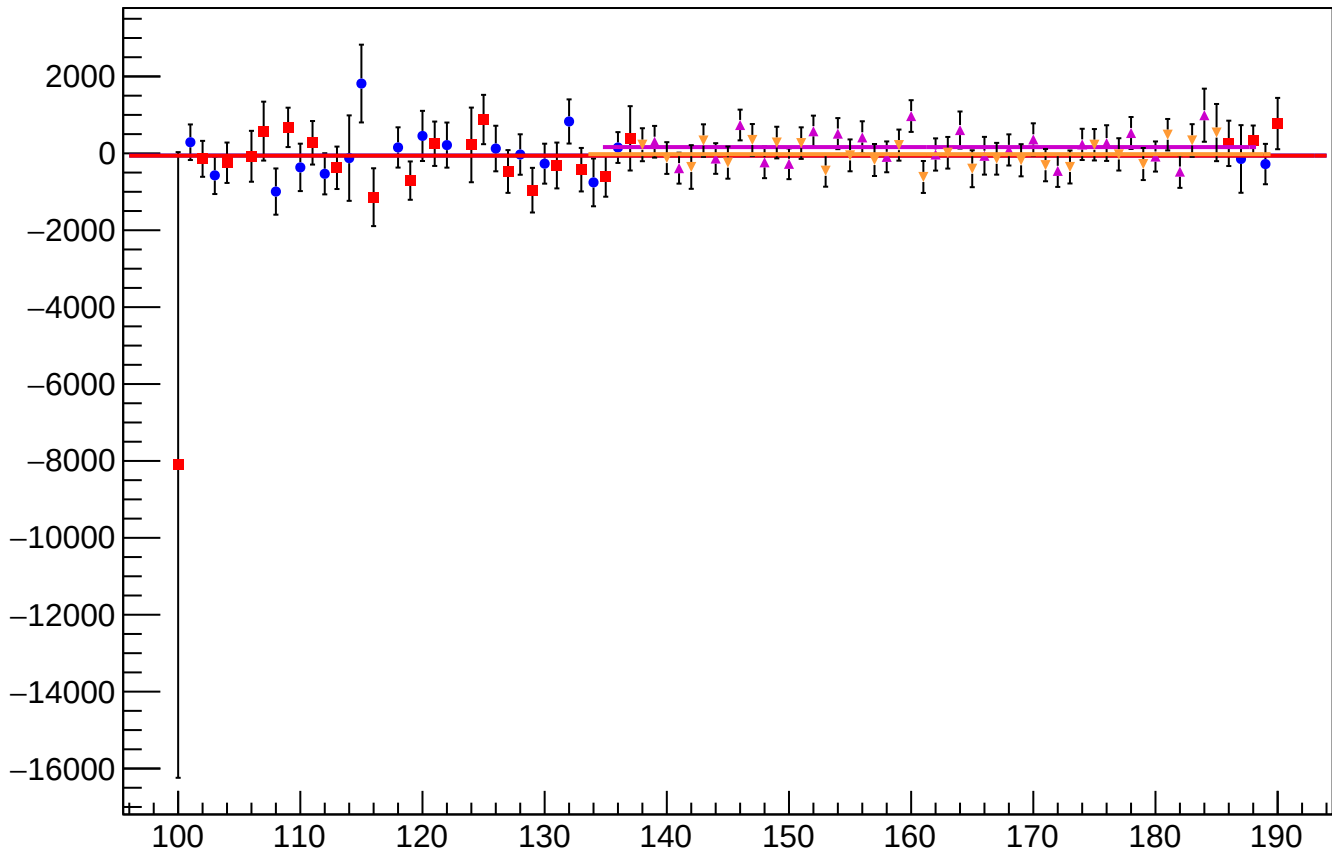
Left In: 360.585+/-0.061 χ^2/NDF : 1817691.0/22

+ sign 347.240+/-0.049 χ^2/NDF : 1982659.3/41

All: 346.010+/-0.034 χ^2/NDF : 4074832.2/85

- sign 344.837+/-0.048 χ^2/NDF : 2090924.5/43

asym_dsr_mean vs Slug



Right In: -57.109 ± 134.327 χ^2/NDF : 13.9/17

Left Out: -21.061 ± 85.620 χ^2/NDF : 12.6/24

Right Out: -60.649 ± 125.520 χ^2/NDF : 18.6/21

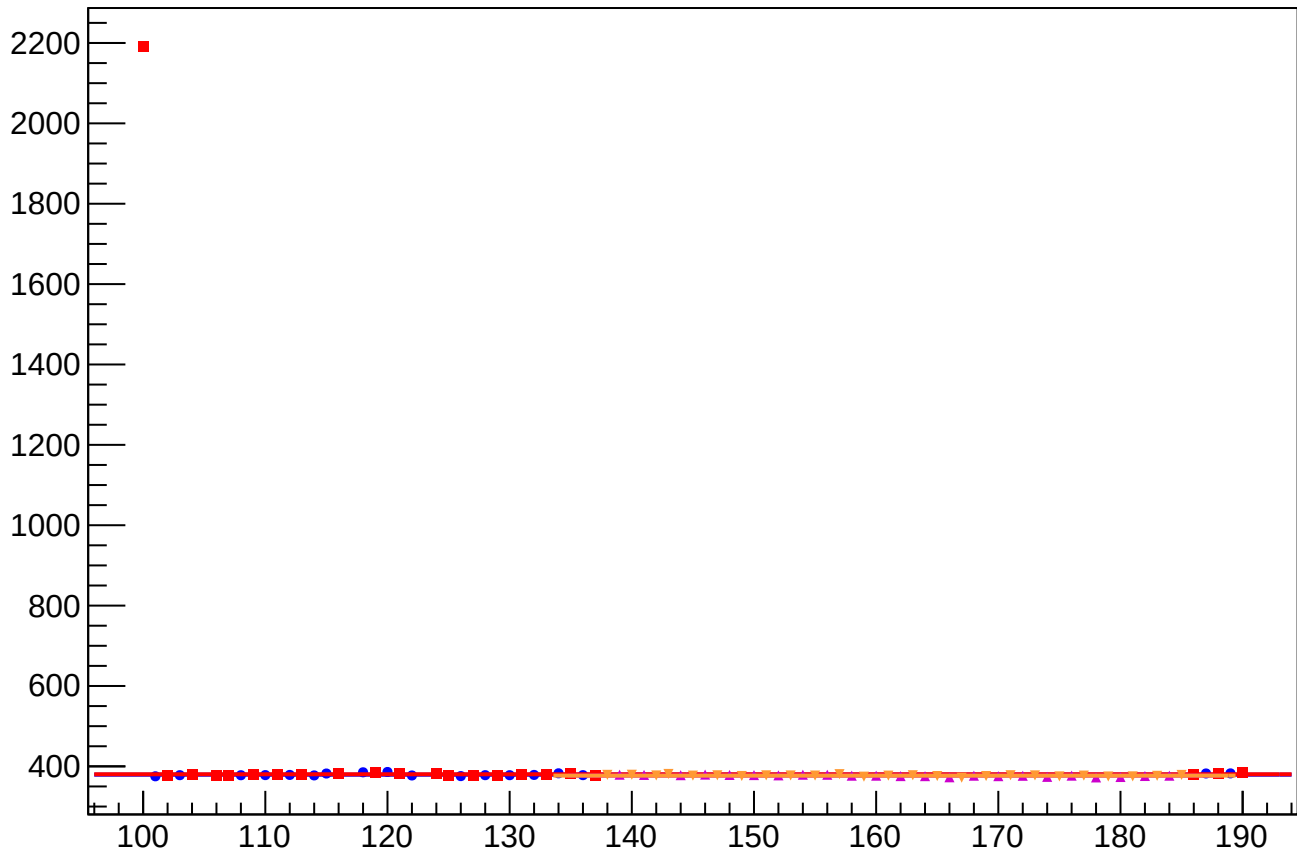
Left In: 162.992 ± 87.991 χ^2/NDF : 21.8/22

+ sign -31.475 ± 72.200 χ^2/NDF : 26.6/42

All: 29.038 ± 51.000 χ^2/NDF : 70.4/87

- sign 89.302 ± 72.051 χ^2/NDF : 42.4/44

asym_dsr_rms vs Slug



Right In: 379.224 $\pm$ 0.095 χ^2 /NDF: 963.7/17

Left Out: 376.906 $\pm$ 0.061 χ^2 /NDF: 1058.3/24

Right Out: 380.317 $\pm$ 0.089 χ^2 /NDF: 99799.1/21

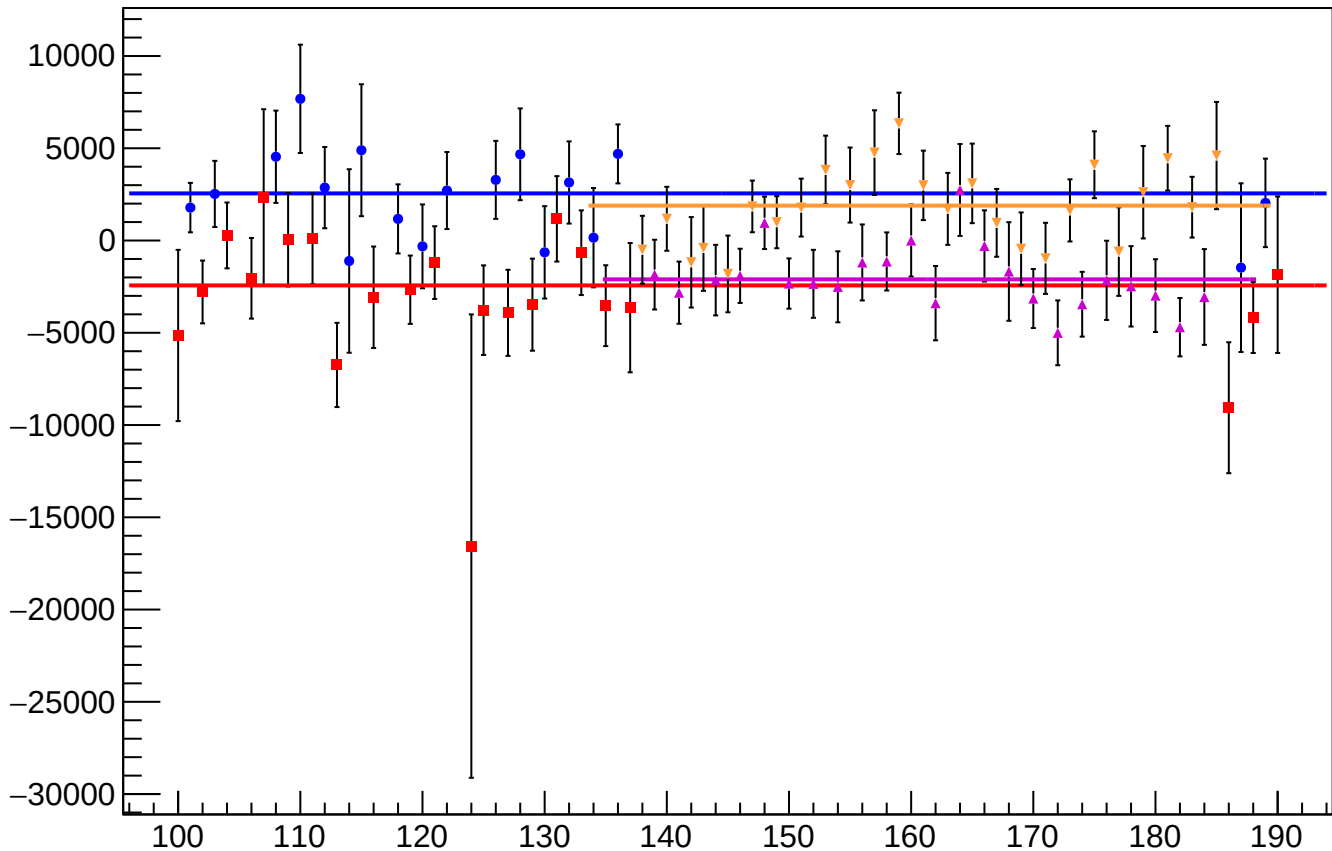
Left In: 376.846 $\pm$ 0.062 χ^2 /NDF: 1074.1/22

+ sign 377.576 $\pm$ 0.051 χ^2 /NDF: 2445.7/42

All: 377.783 $\pm$ 0.036 χ^2 /NDF: 104377.1/87

- sign 377.990 $\pm$ 0.051 χ^2 /NDF: 101898.5/44

asym_us_agg_avg_mean vs Slug



Right In: 2553.762 $\pm$ 521.553 χ^2 /NDF: 13.1/17

Left Out: 1891.201 $\pm$ 375.290 χ^2 /NDF:28.4/24

Right Out: -2432.746 $\pm$ 516.584 χ^2 /NDF: 19.7/21

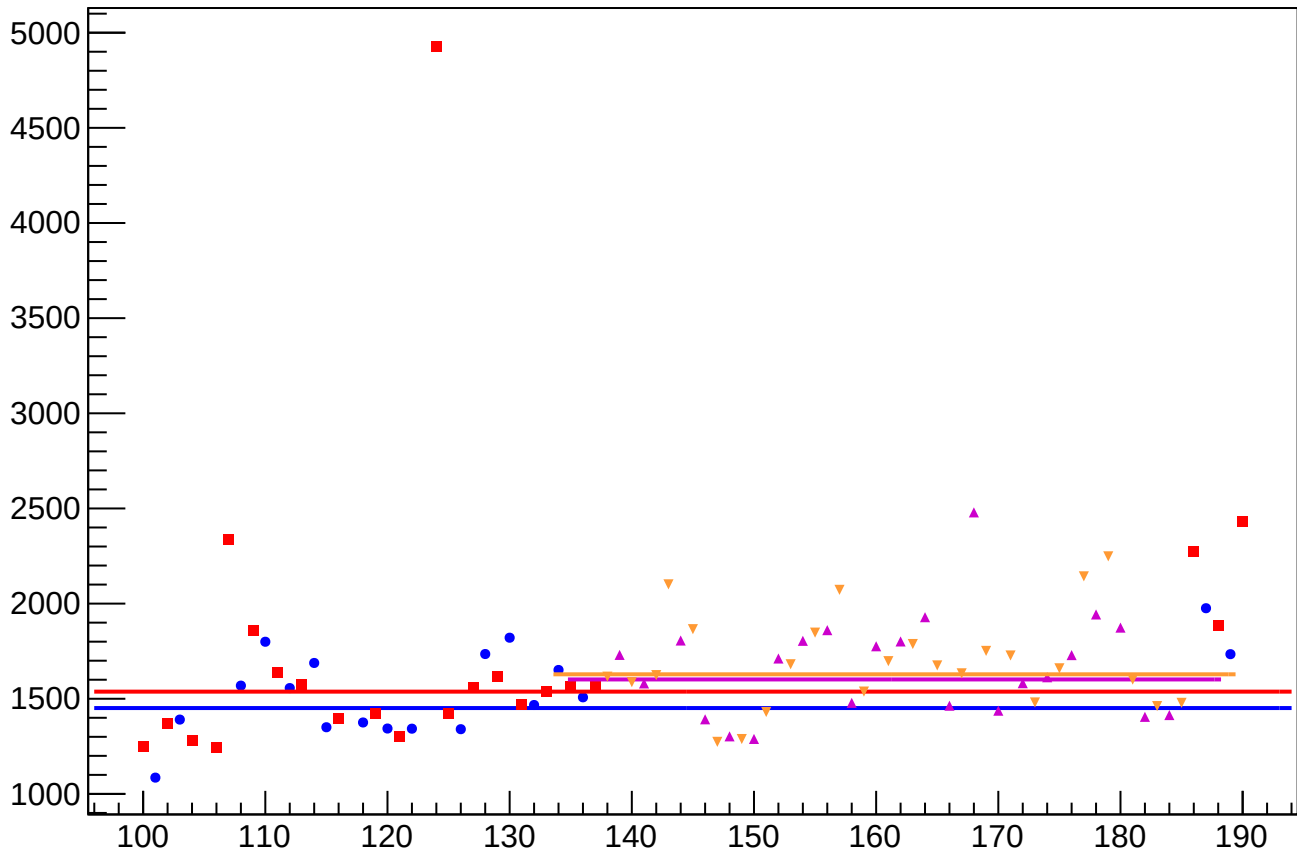
Left In: -2105.415 $\pm$ 379.051 χ^2 /NDF:18.6/22

+ sign 2117.226 $\pm$ 304.624 χ^2 /NDF: 42.5/42

All: -44.395 $\pm$ 215.748 χ^2 /NDF: 182.1/87

- sign -2219.974 $\pm$ 305.606 χ^2 /NDF: 38.5/44

asym_us_agg_avg_rms vs Slug



Right In: 1451.177+/-0.369 χ^2/NDF : 350817.9/17

Left Out: 1628.479+/-0.265 χ^2/NDF : 779094.7/24

Right Out: 1537.438+/-0.365 χ^2/NDF : 633939.0/21

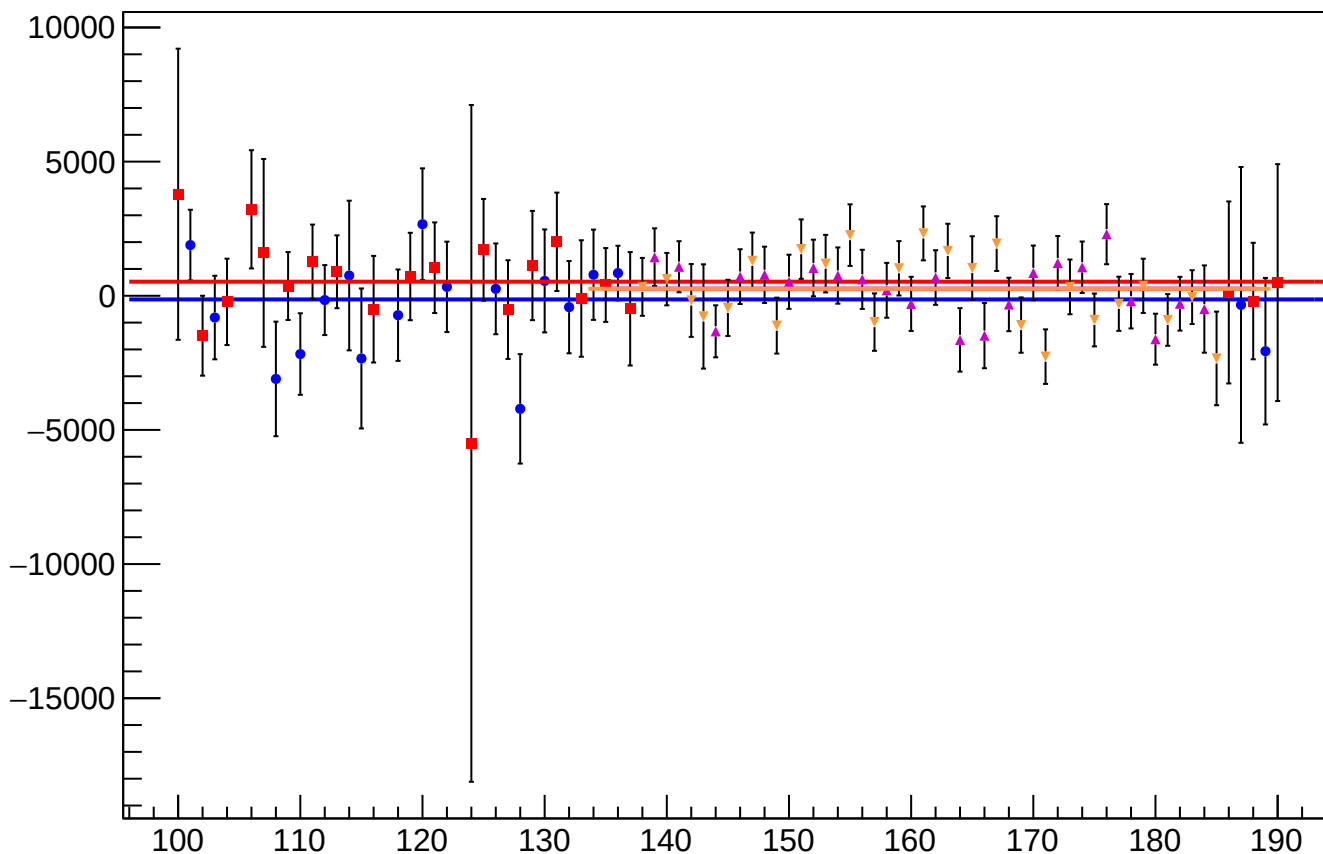
Left In: 1601.496+/-0.268 χ^2/NDF : 793722.6/22

+ sign 1567.994+/-0.215 χ^2/NDF : 1282196.6/42

All: 1573.518+/-0.153 χ^2/NDF : 2731168.3/87

- sign 1579.077+/-0.216 χ^2/NDF : 1447652.3/44

asym_us_agg_dd_mean vs Slug



Right In: -136.096 ± 404.158 χ^2/NDF : 15.0/17

Left Out: 262.383 ± 214.962 χ^2/NDF : 33.9/24

Right Out: 524.774 ± 399.668 χ^2/NDF : 6.9/21

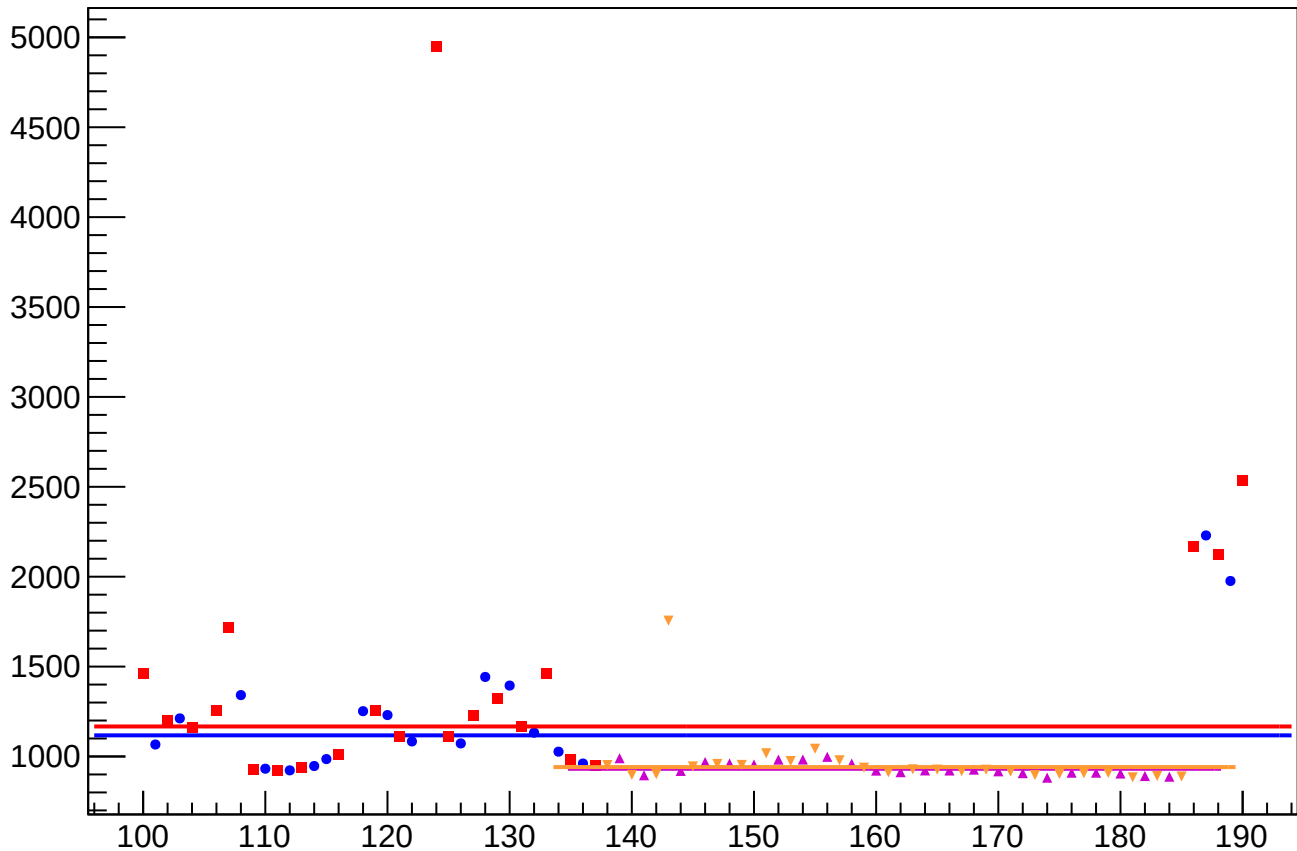
Left In: 267.059 ± 217.685 χ^2/NDF : 21.4/22

+ sign 174.514 ± 189.787 χ^2/NDF : 49.7/42

All: 249.718 ± 134.685 χ^2/NDF : 78.6/87

- sign 326.021 ± 191.168 χ^2/NDF : 28.6/44

asym_us_agg_dd_rms vs Slug



Right In: 1117.470+/-0.286 χ^2/NDF : 577014.7/17

Left Out: 941.013+/-0.152 χ^2/NDF : 417710.2/24

+ sign 979.924+/-0.134 χ^2/NDF : 1291900.7/42

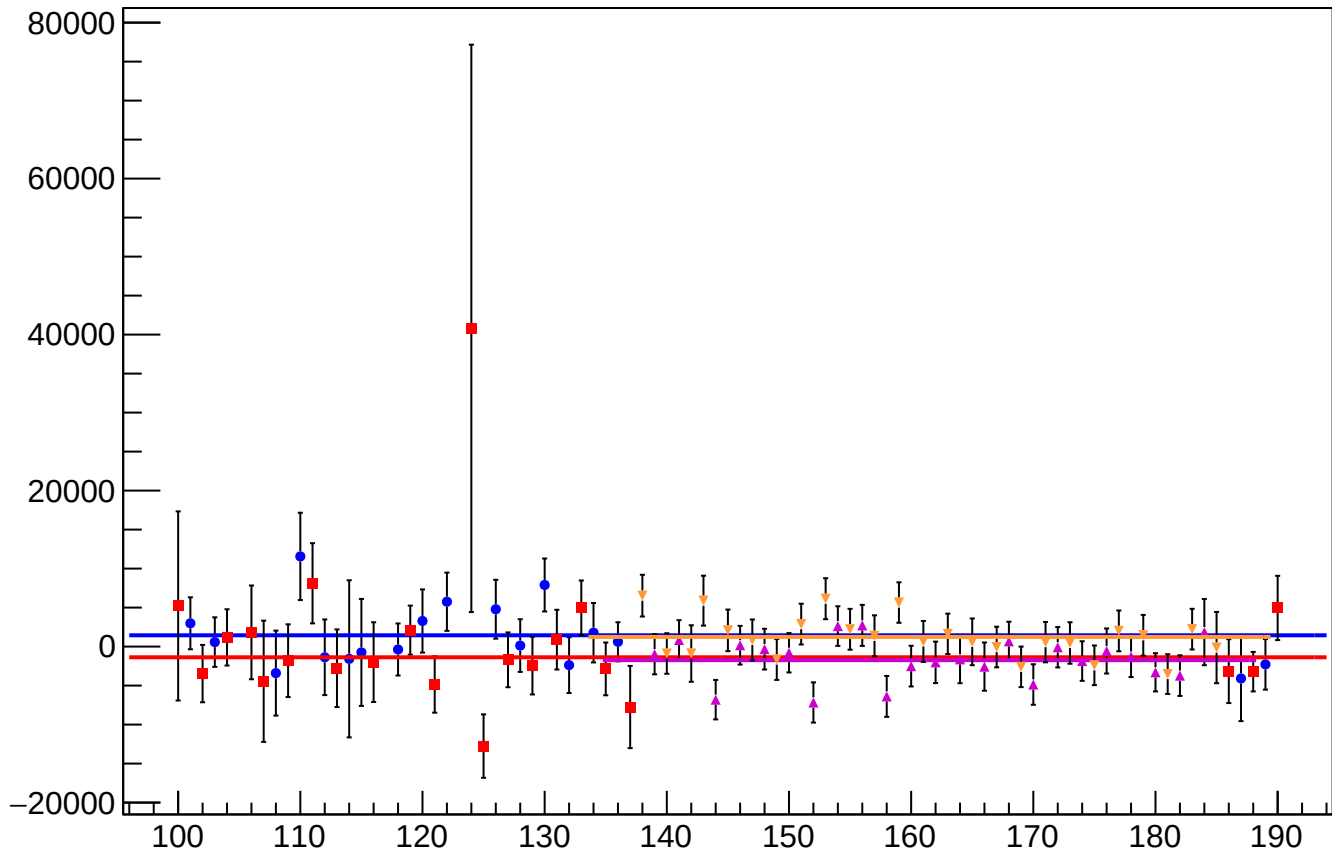
Right Out: 1166.929+/-0.283 χ^2/NDF : 1311021.4/21

All: 982.648+/-0.095 χ^2/NDF : 3187599.3/87

- sign 985.411+/-0.135 χ^2/NDF : 1894868.8/44

Left In: 931.562+/-0.154 χ^2/NDF : 48916.1/22

reg_asym_atl1_mean vs Slug



Right In: 1449.111 ± 901.334 χ^2/NDF : 14.9/17

Left Out: 1234.728 ± 541.289 χ^2/NDF : 23.9/24

Right Out: -1372.877 ± 875.433 χ^2/NDF : 24.9/21

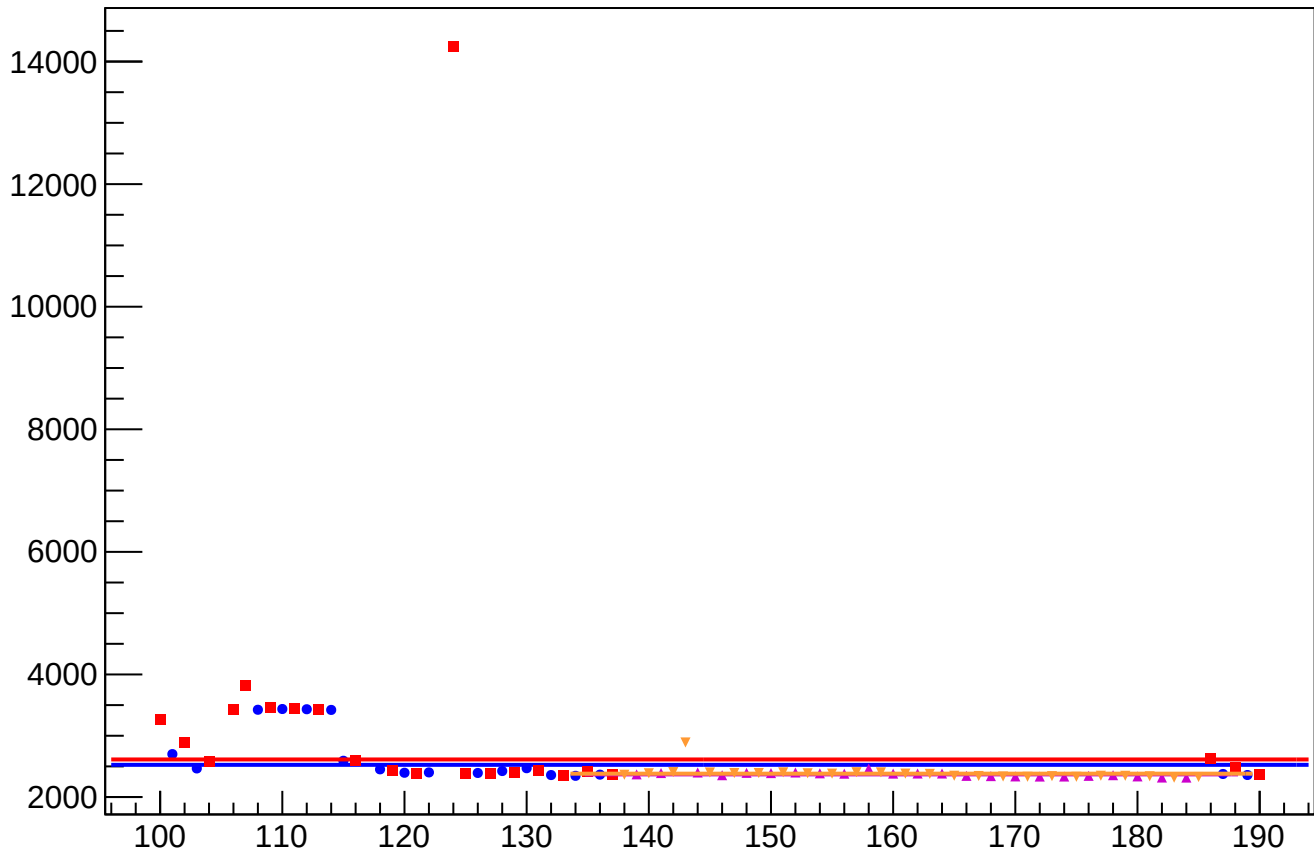
Left In: -1741.730 ± 553.254 χ^2/NDF : 24.4/22

+ sign 1291.552 ± 464.041 χ^2/NDF : 38.8/42

All: -160.997 ± 329.408 χ^2/NDF : 107.9/87

- sign -1636.457 ± 467.686 χ^2/NDF : 49.4/44

reg_asym_atl1_rms vs Slug



Right In: 2525.532+/-0.637 χ^2/NDF : 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF : 57623.2/24

Right Out: 2613.180+/-0.619 χ^2/NDF : 551444.7/21

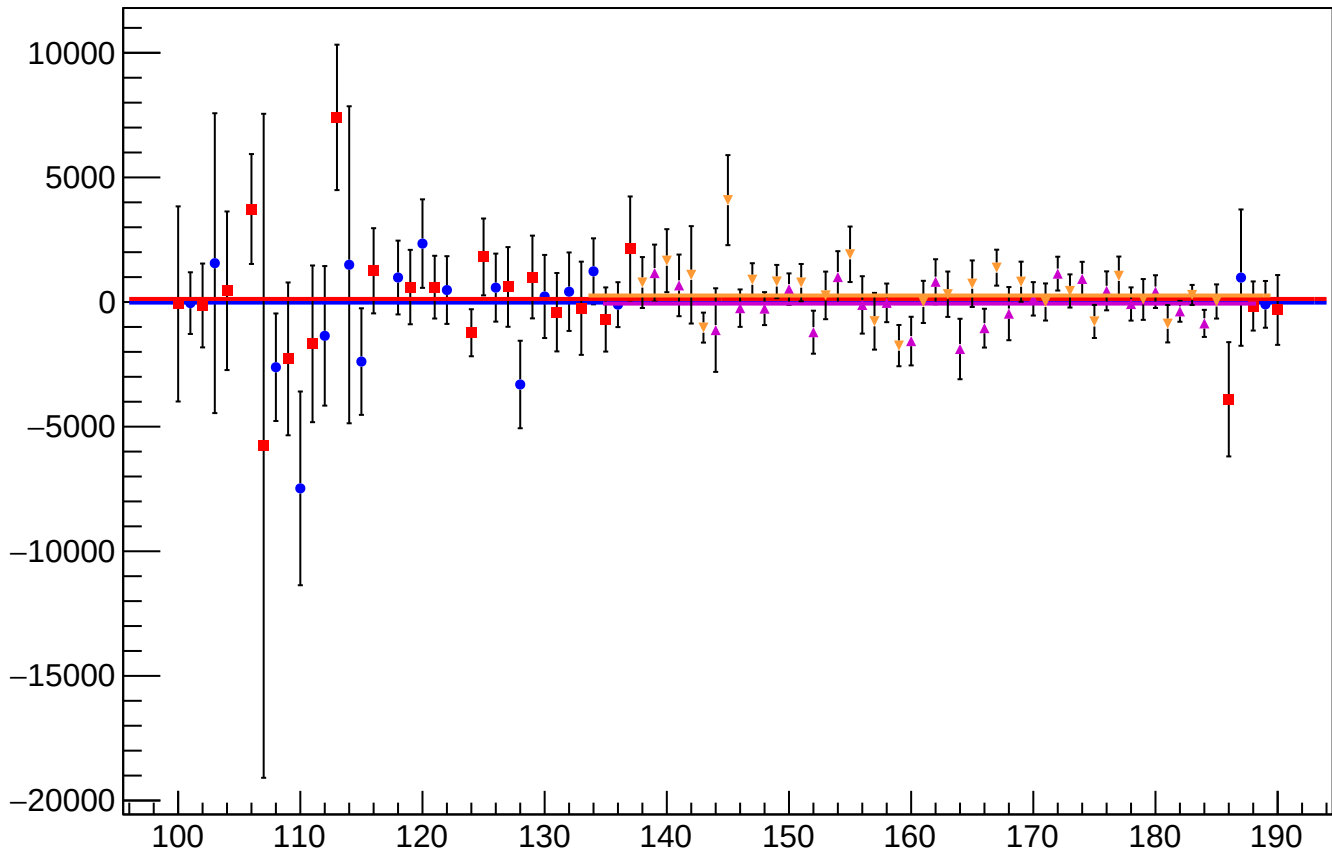
Left In: 2369.384+/-0.391 χ^2/NDF : 7034.0/22

+ sign 2419.482+/-0.328 χ^2/NDF : 328436.8/42

All: 2429.147+/-0.233 χ^2/NDF : 999504.7/87

- sign 2438.965+/-0.331 χ^2/NDF : 669318.9/44

asym_atl1_reg_correction_mean vs Slug



Right In: -22.310 ± 368.999 χ^2/NDF : 13.9/17

Left Out: 261.877 ± 154.009 χ^2/NDF : 31.1/24

Right Out: 124.663 ± 353.039 χ^2/NDF : 19.2/21

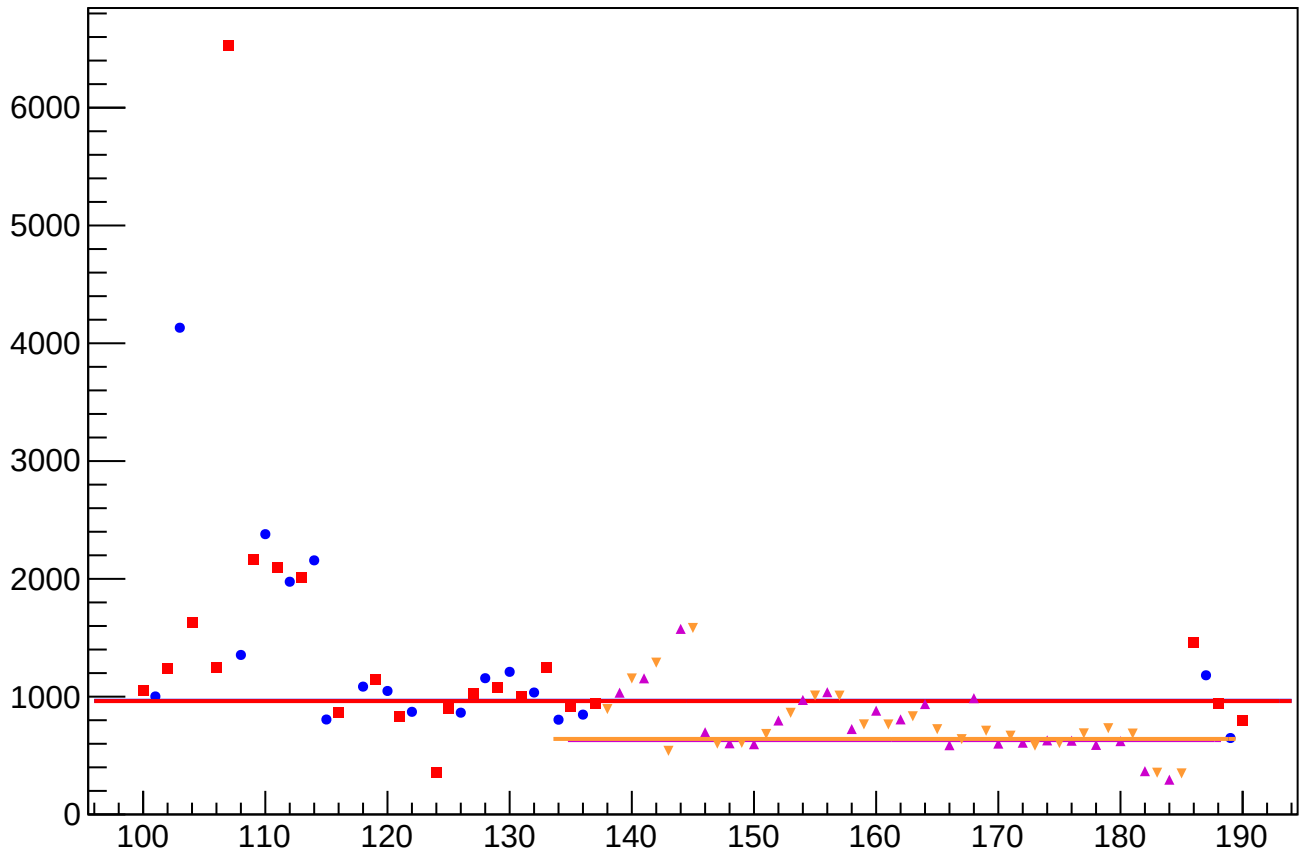
Left In: -61.960 ± 157.394 χ^2/NDF : 22.0/22

+ sign 219.716 ± 142.127 χ^2/NDF : 45.5/42

All: 95.777 ± 101.069 χ^2/NDF : 88.5/87

- sign -31.017 ± 143.754 χ^2/NDF : 41.4/44

asym_atl1_reg_correction_rms vs Slug



Right In: 965.158 ± 0.261 χ^2/NDF : 1640352.1/17

Left Out: 641.156 ± 0.109 χ^2/NDF : 3474860.7/24

Right Out: 962.325 ± 0.250 χ^2/NDF : 2432218.0/21

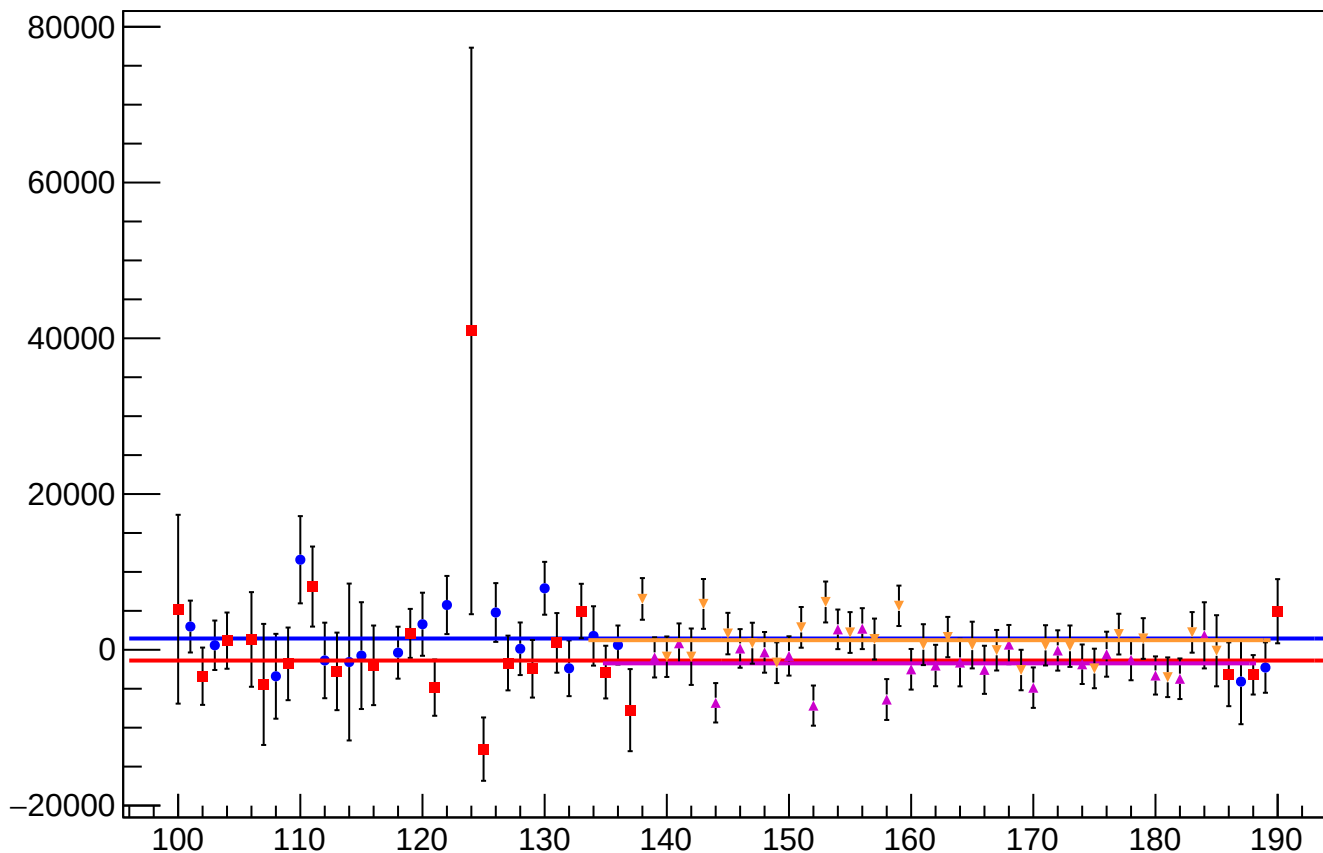
Left In: 631.199 ± 0.111 χ^2/NDF : 3975438.6/22

+ sign 689.223 ± 0.100 χ^2/NDF : 6428412.1/42

All: 687.680 ± 0.071 χ^2/NDF : 14304257.7/87

- sign 686.101 ± 0.102 χ^2/NDF : 7875368.4/44

cor_asym_atl1_mean vs Slug



Right In: 1449.441 $\pm$ 901.334 χ^2 /NDF: 14.9/17

Left Out: 1234.706 $\pm$ 541.289 χ^2 /NDF: 23.9/24

Right Out: -1380.549 $\pm$ 875.644 χ^2 /NDF: 24.8/21

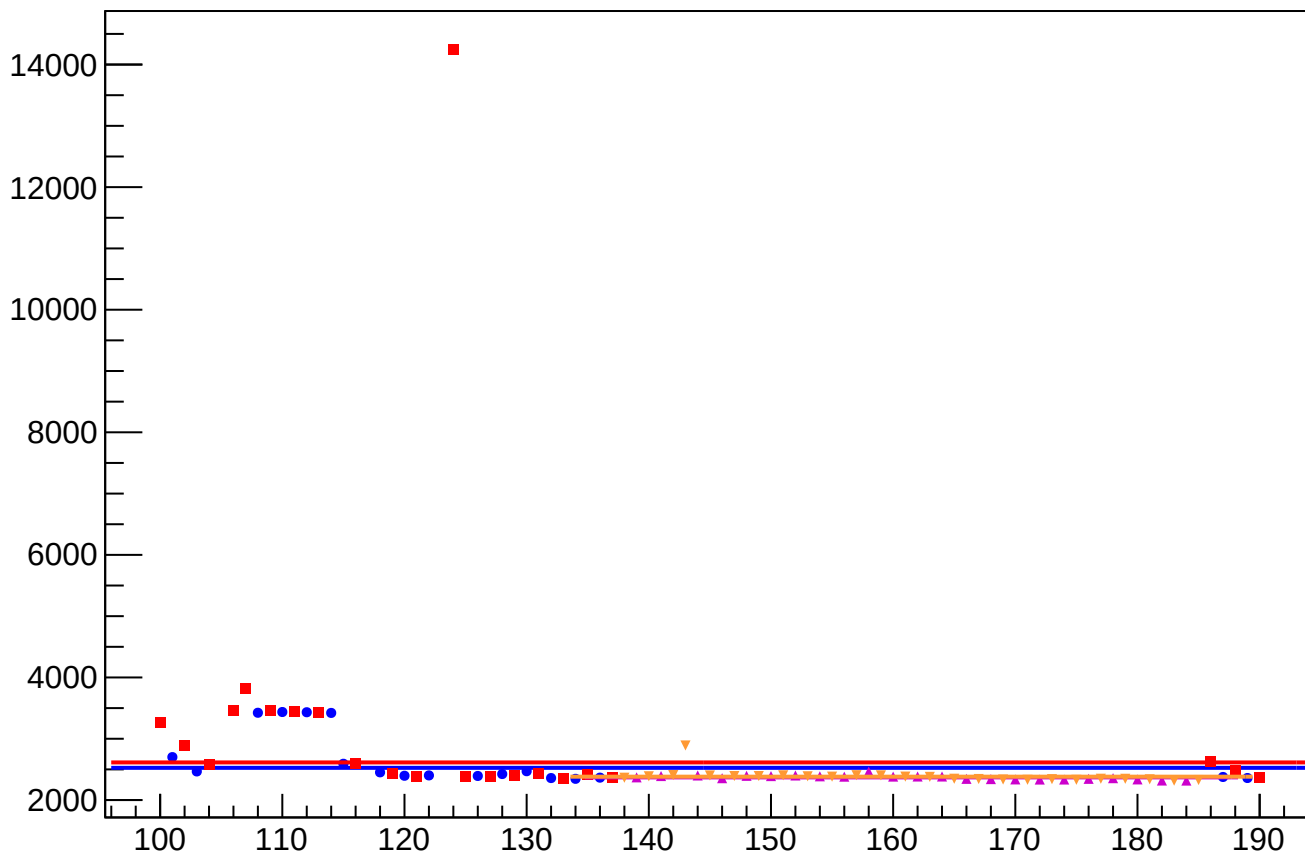
Left In: -1741.784 $\pm$ 553.254 χ^2 /NDF: 24.4/22

+ sign 1291.623 $\pm$ 464.041 χ^2 /NDF: 38.8/42

All: -161.984 $\pm$ 329.419 χ^2 /NDF: 107.8/87

- sign -1638.721 $\pm$ 467.718 χ^2 /NDF: 49.3/44

cor_asym_atl1_rms vs Slug



Right In: 2525.532+/-0.637 χ^2 /NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2 /NDF: 57623.2/24

Right Out: 2613.604+/-0.619 χ^2 /NDF: 554099.6/21

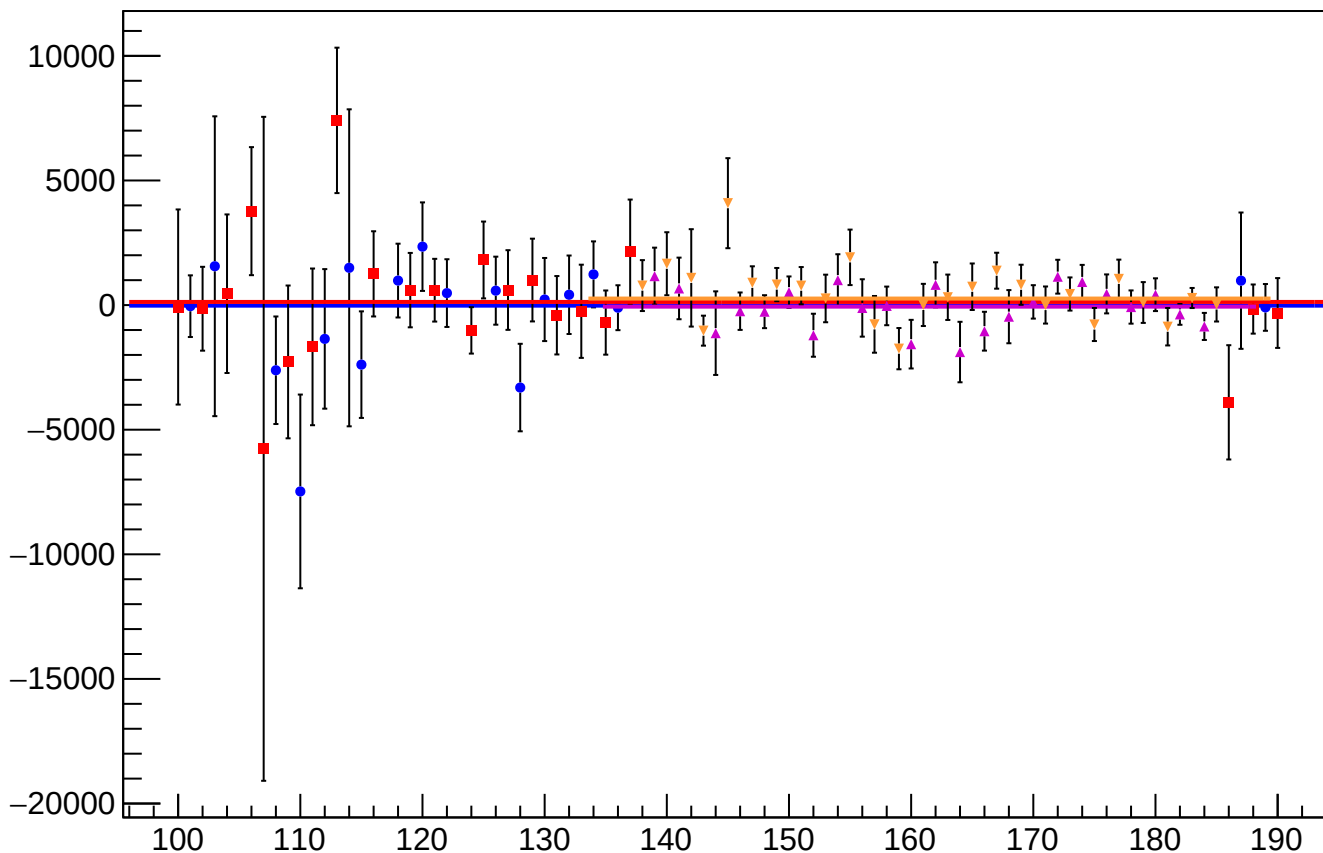
Left In: 2369.384+/-0.391 χ^2 /NDF: 7034.0/22

+ sign 2419.482+/-0.328 χ^2 /NDF: 328436.8/42

All: 2429.195+/-0.233 χ^2 /NDF: 1002524.0/87

- sign 2439.062+/-0.331 χ^2 /NDF: 672320.9/44

asym_atl1_cor_correction_mean vs Slug



Right In: -22.403 ± 368.997 χ^2/NDF : 13.9/17

Left Out: 262.160 ± 154.012 χ^2/NDF : 31.1/24

Right Out: 126.719 ± 353.572 χ^2/NDF : 17.9/21

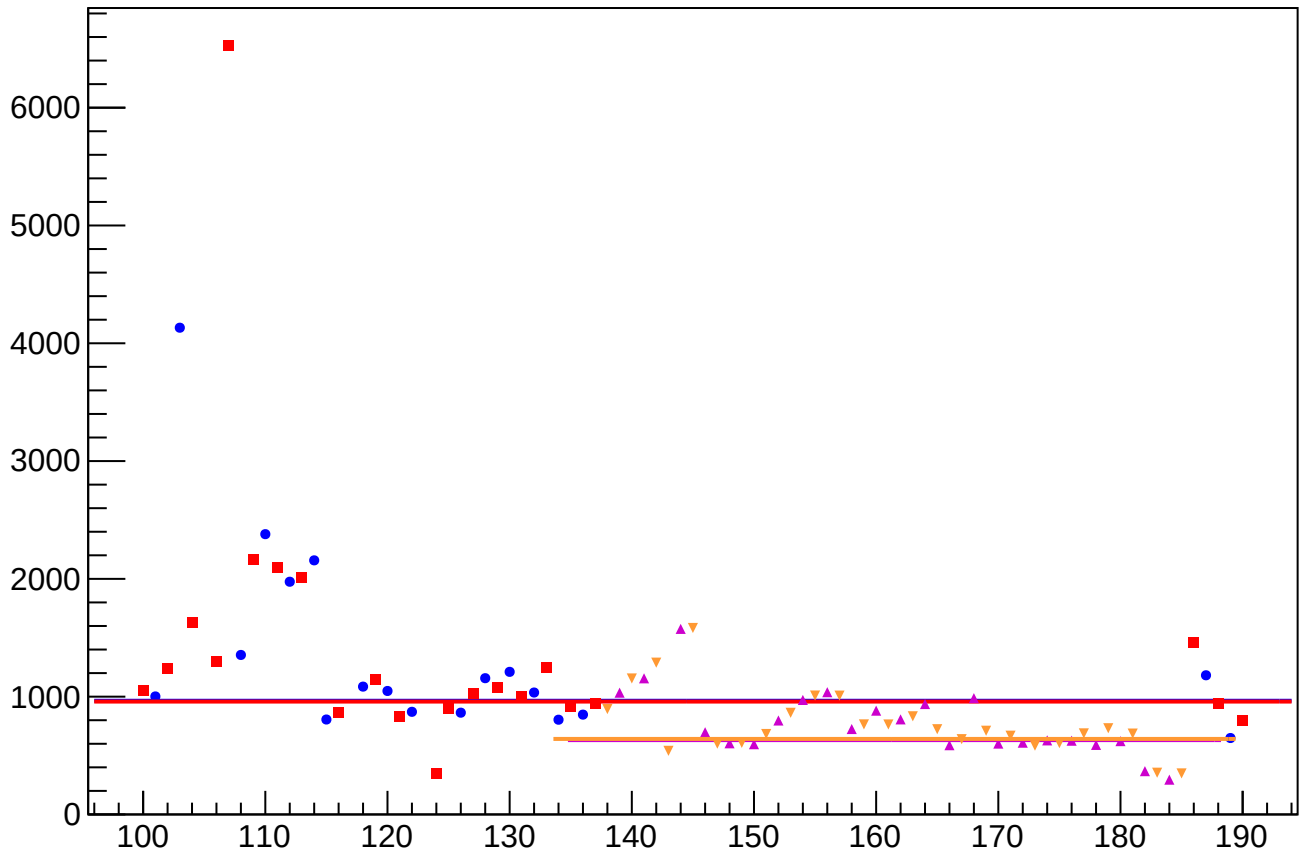
Left In: -61.976 ± 157.393 χ^2/NDF : 22.0/22

+ sign 219.942 ± 142.129 χ^2/NDF : 45.5/42

All: 96.044 ± 101.082 χ^2/NDF : 87.2/87

- sign -30.768 ± 143.790 χ^2/NDF : 40.2/44

asym_atl1_cor_correction_rms vs Slug



Right In: 965.152 $\pm$ 0.261 χ^2 /NDF: 1640324.2/17

Left Out: 641.169 $\pm$ 0.109 χ^2 /NDF: 3474589.1/24

Right Out: 958.373 $\pm$ 0.250 χ^2 /NDF: 2467091.9/21

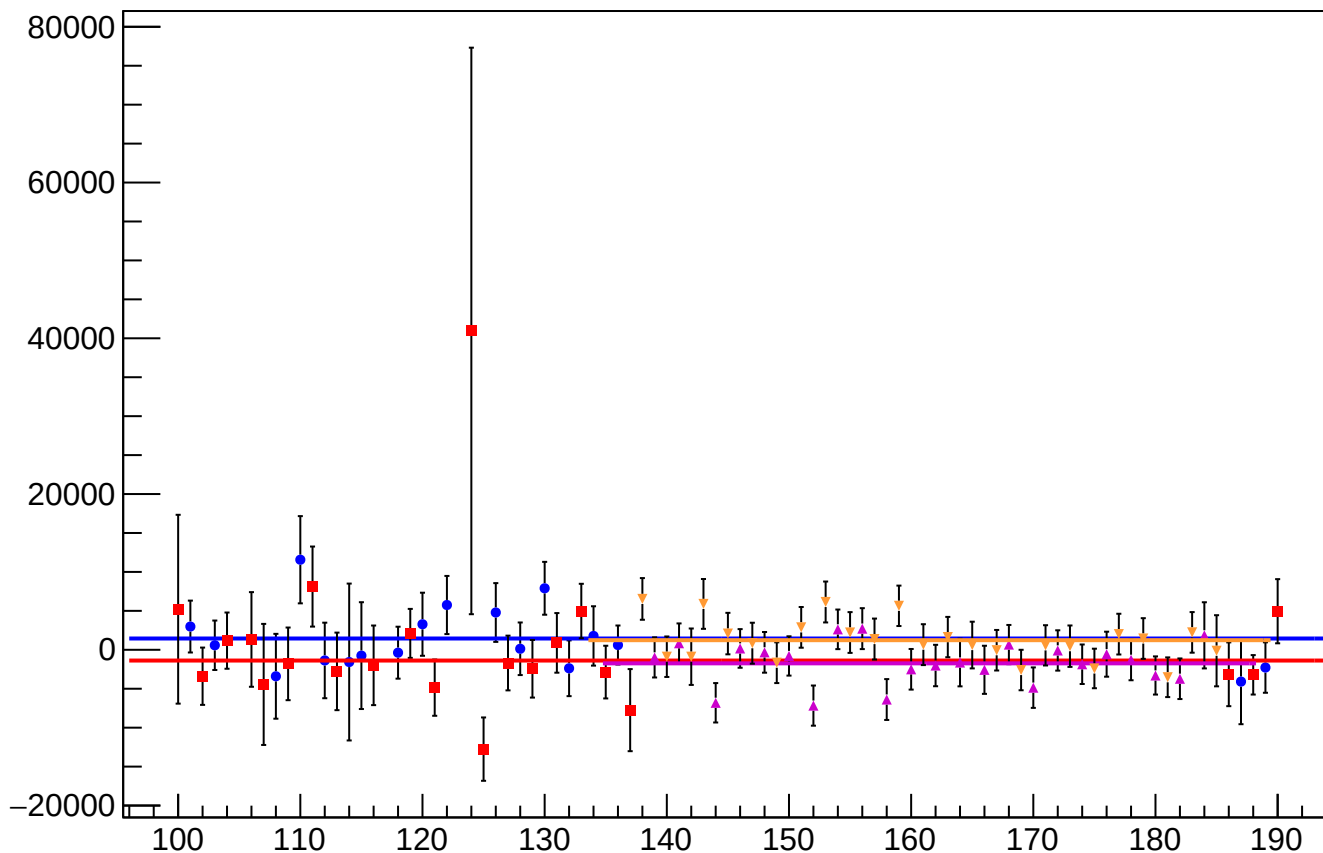
Left In: 631.196 $\pm$ 0.111 χ^2 /NDF: 3975563.1/22

+ sign 689.235 $\pm$ 0.101 χ^2 /NDF: 6427971.6/42

All: 687.294 $\pm$ 0.071 χ^2 /NDF: 14300686.9/87

- sign 685.307 $\pm$ 0.102 χ^2 /NDF: 7871960.3/44

eigen_cor_asym_atl1_mean vs Slug



Right In: 1449.441 $\pm$ 901.334 χ^2 /NDF: 14.9/17

Left Out: 1234.706 $\pm$ 541.289 χ^2 /NDF: 23.9/24

Right Out: -1380.549 $\pm$ 875.644 χ^2 /NDF: 24.8/21

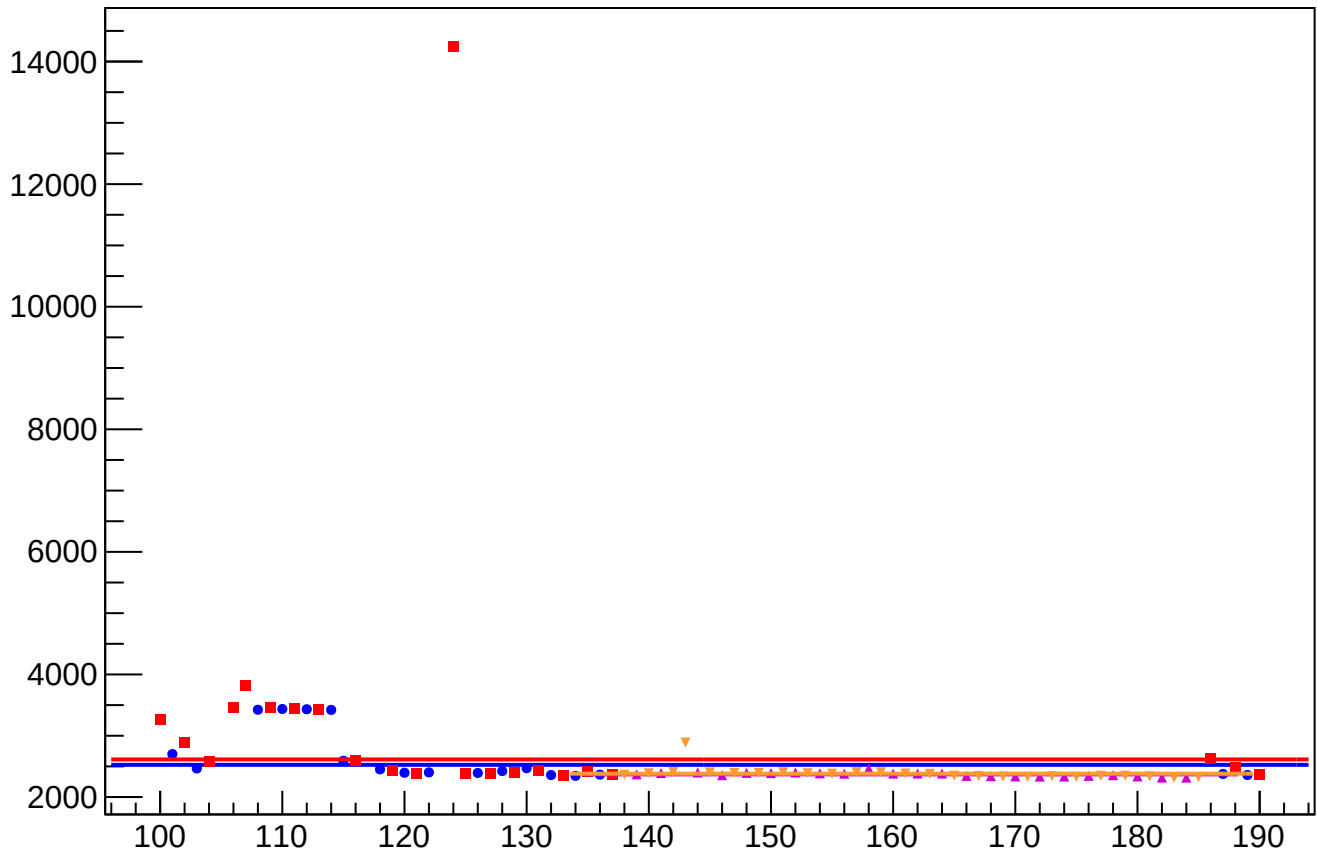
Left In: -1741.784 $\pm$ 553.254 χ^2 /NDF: 24.4/22

+ sign 1291.623 $\pm$ 464.041 χ^2 /NDF: 38.8/42

All: -161.984 $\pm$ 329.419 χ^2 /NDF: 107.8/87

- sign -1638.721 $\pm$ 467.718 χ^2 /NDF: 49.3/44

eigen_cor_asym_atl1_rms vs Slug



Right In: 2525.532+/-0.637 χ^2/NDF : 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF : 57623.2/24

Right Out: 2613.604+/-0.619 χ^2/NDF : 554099.6/21

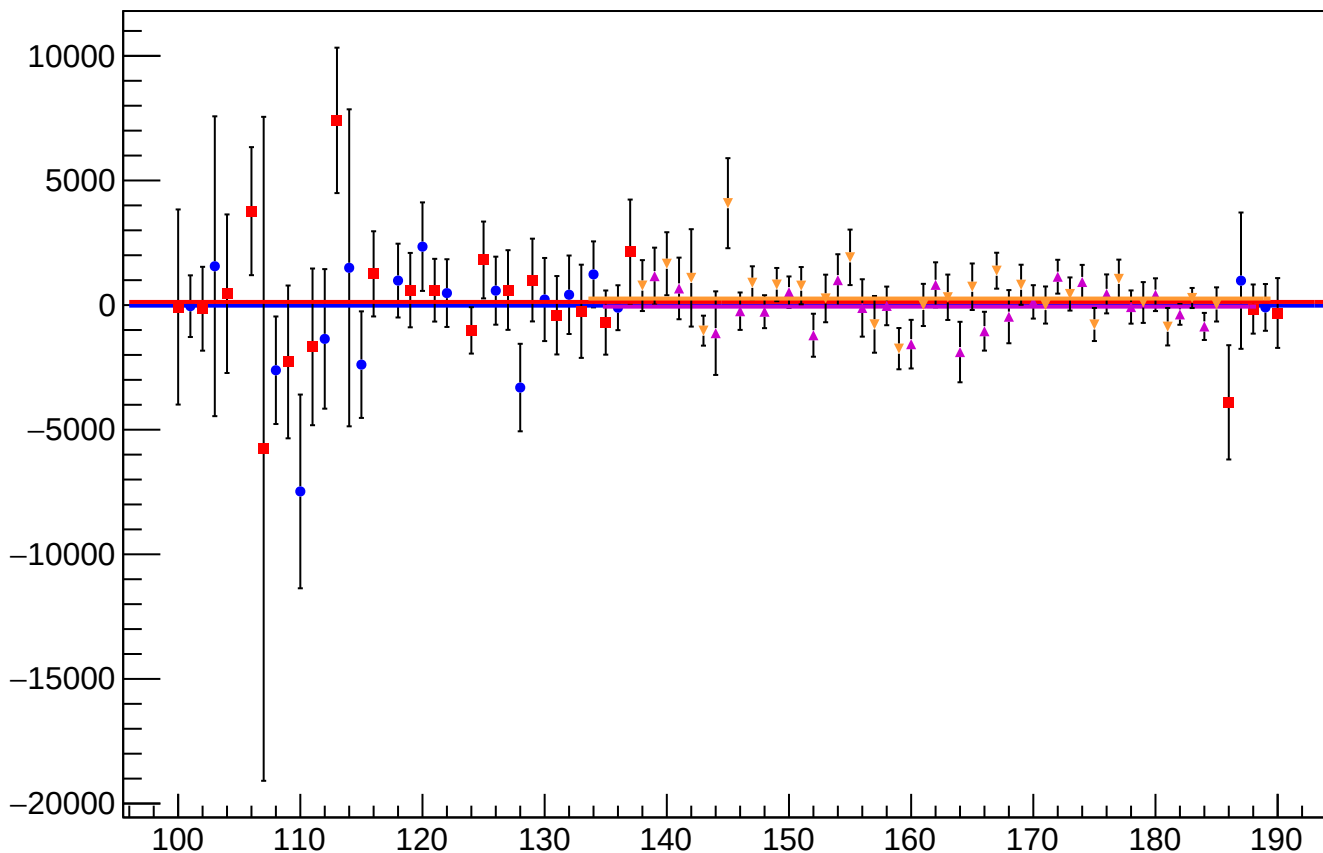
Left In: 2369.384+/-0.391 χ^2/NDF : 7034.0/22

+ sign 2419.482+/-0.328 χ^2/NDF : 328436.8/42

All: 2429.195+/-0.233 χ^2/NDF : 1002524.0/87

- sign 2439.062+/-0.331 χ^2/NDF : 672320.9/44

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -22.403 ± 368.997 χ^2/NDF : 13.9/17

Left Out: 262.160 ± 154.012 χ^2/NDF : 31.1/24

Right Out: 126.719 ± 353.572 χ^2/NDF : 17.9/21

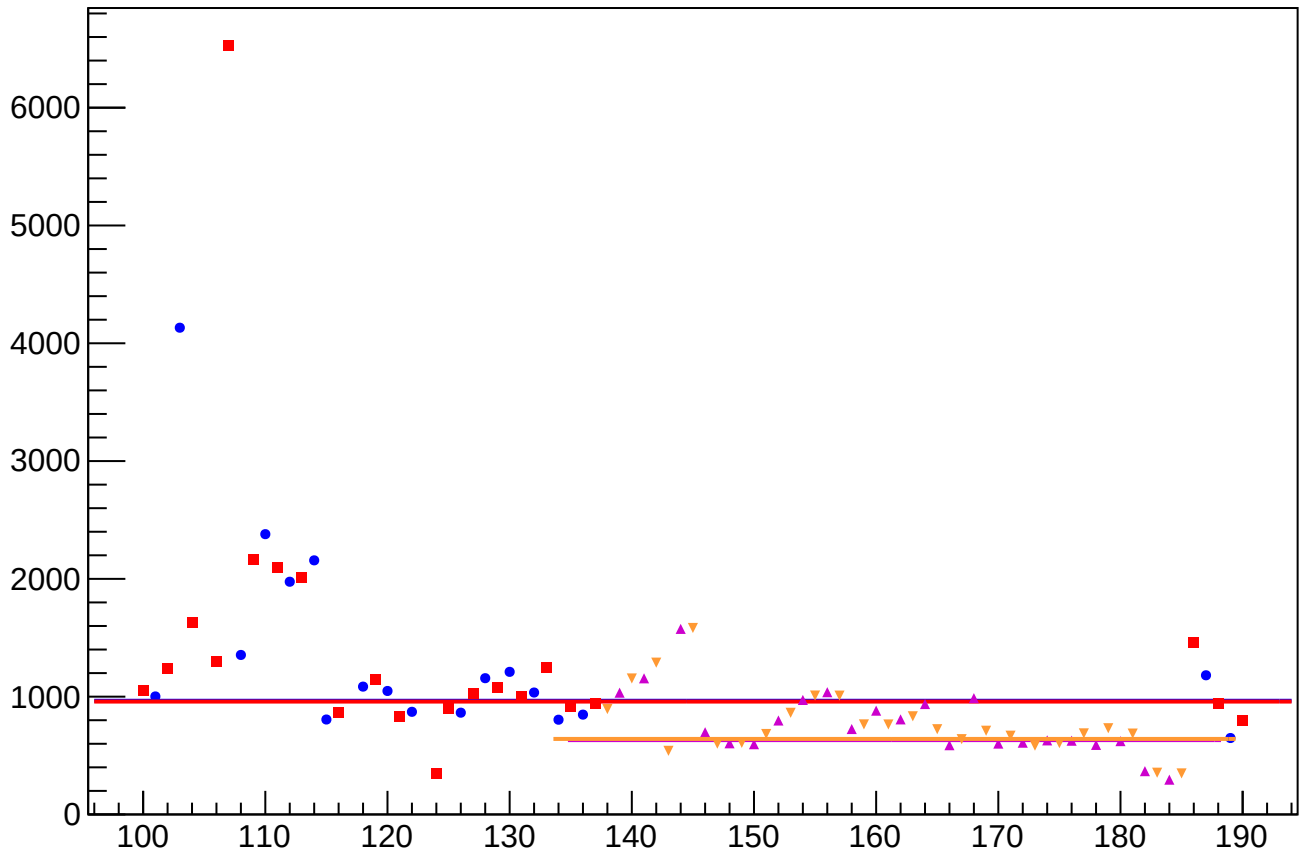
Left In: -61.976 ± 157.393 χ^2/NDF : 22.0/22

+ sign 219.942 ± 142.129 χ^2/NDF : 45.5/42

All: 96.044 ± 101.082 χ^2/NDF : 87.2/87

- sign -30.768 ± 143.790 χ^2/NDF : 40.2/44

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 965.152 $\pm$ 0.261 χ^2 /NDF: 1640324.2/17

Left Out: 641.169 $\pm$ 0.109 χ^2 /NDF: 3474589.1/24

Right Out: 958.373 $\pm$ 0.250 χ^2 /NDF: 2467091.9/21

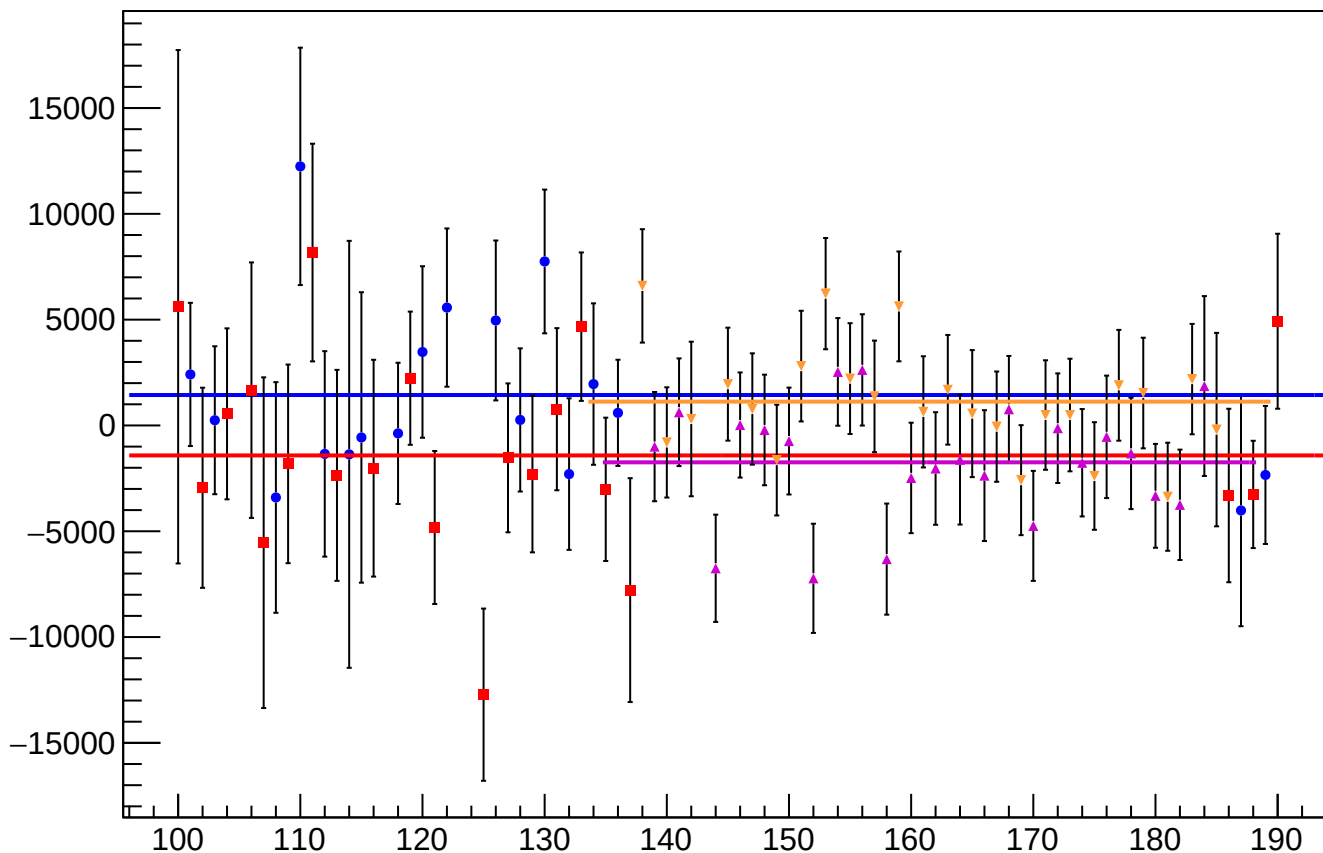
Left In: 631.196 $\pm$ 0.111 χ^2 /NDF: 3975563.1/22

+ sign 689.235 $\pm$ 0.101 χ^2 /NDF: 6427971.6/42

All: 687.294 $\pm$ 0.071 χ^2 /NDF: 14300686.9/87

- sign 685.307 $\pm$ 0.102 χ^2 /NDF: 7871960.3/44

dit_asym_atl1_mean vs Slug



Right In: 1438.467 ± 910.134 χ^2/NDF : 15.0/17

Left Out: 1125.562 ± 549.834 χ^2/NDF : 21.2/23

Right Out: -1416.600 ± 892.415 χ^2/NDF : 22.9/20

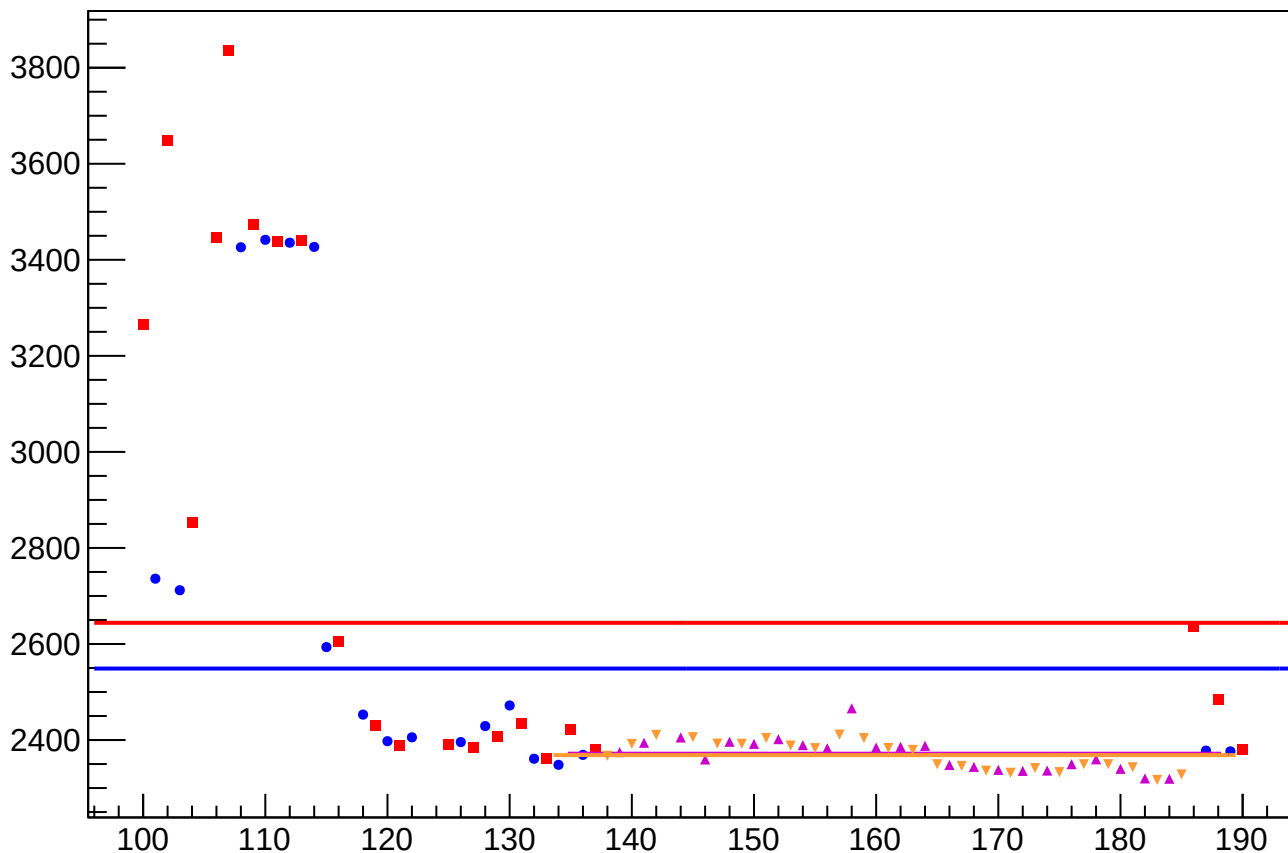
Left In: -1742.304 ± 553.755 χ^2/NDF : 23.8/22

+ sign 1209.227 ± 470.620 χ^2/NDF : 36.3/41

All: -221.542 ± 332.747 χ^2/NDF : 101.4/85

- sign -1651.760 ± 470.530 χ^2/NDF : 46.7/43

dit_asym_atl1_rms vs Slug



Right In: 2548.832 $\pm$ 0.644 χ^2 /NDF: 237919.7/17

Left Out: 2368.569 $\pm$ 0.389 χ^2 /NDF: 5571.3/23

Right Out: 2644.099 $\pm$ 0.631 χ^2 /NDF: 438827.9/20

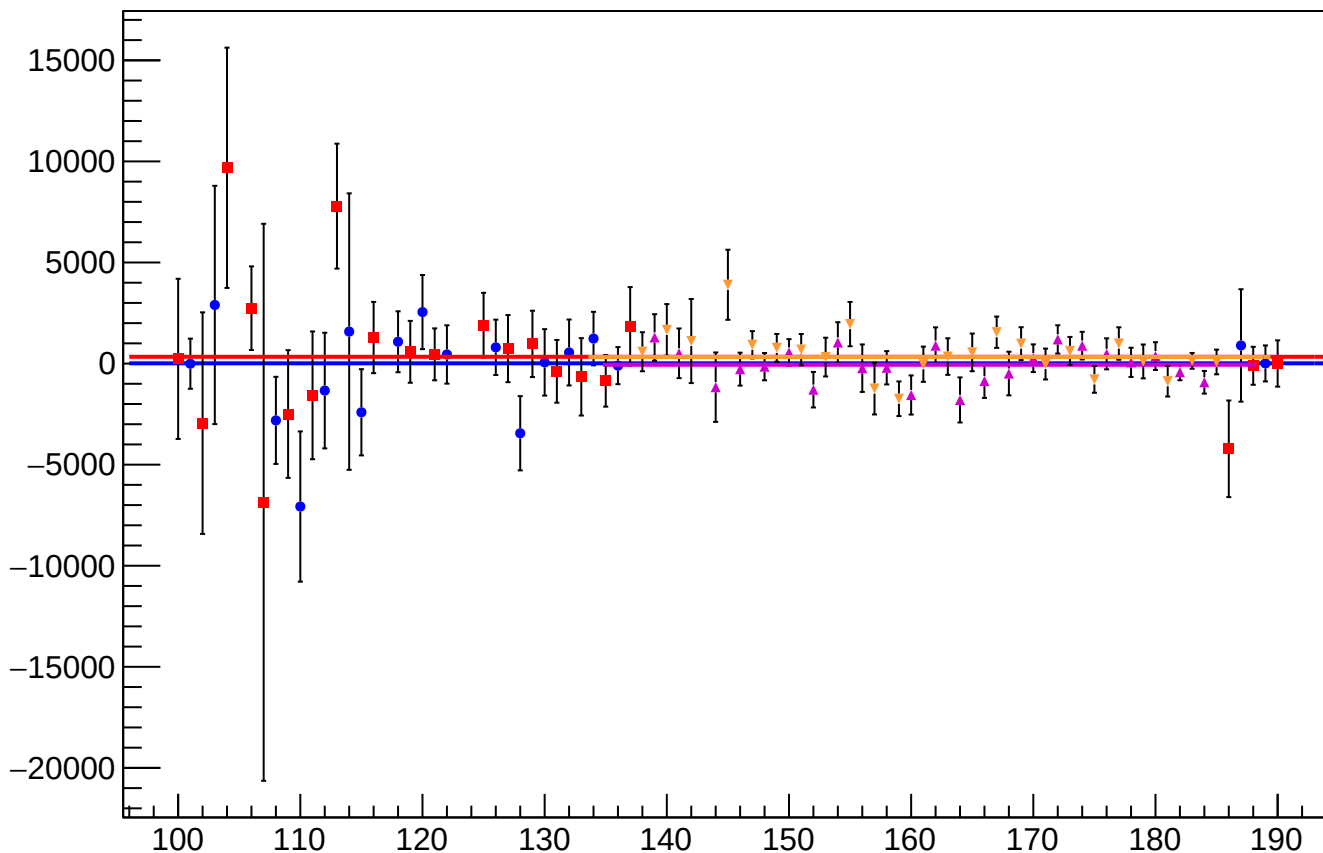
Left In: 2371.518 $\pm$ 0.392 χ^2 /NDF: 7053.5/22

+ sign 2416.768 $\pm$ 0.333 χ^2 /NDF: 300970.5/41

All: 2432.034 $\pm$ 0.235 χ^2 /NDF: 885778.7/85

- sign 2447.295 $\pm$ 0.333 χ^2 /NDF: 580599.9/43

asym_atl1_dit_correction_mean vs Slug



Right In: 12.937 ± 370.716 χ^2/NDF : 14.6/17

Left Out: 325.955 ± 160.041 χ^2/NDF : 26.8/23

Right Out: 335.909 ± 383.845 χ^2/NDF : 18.8/20

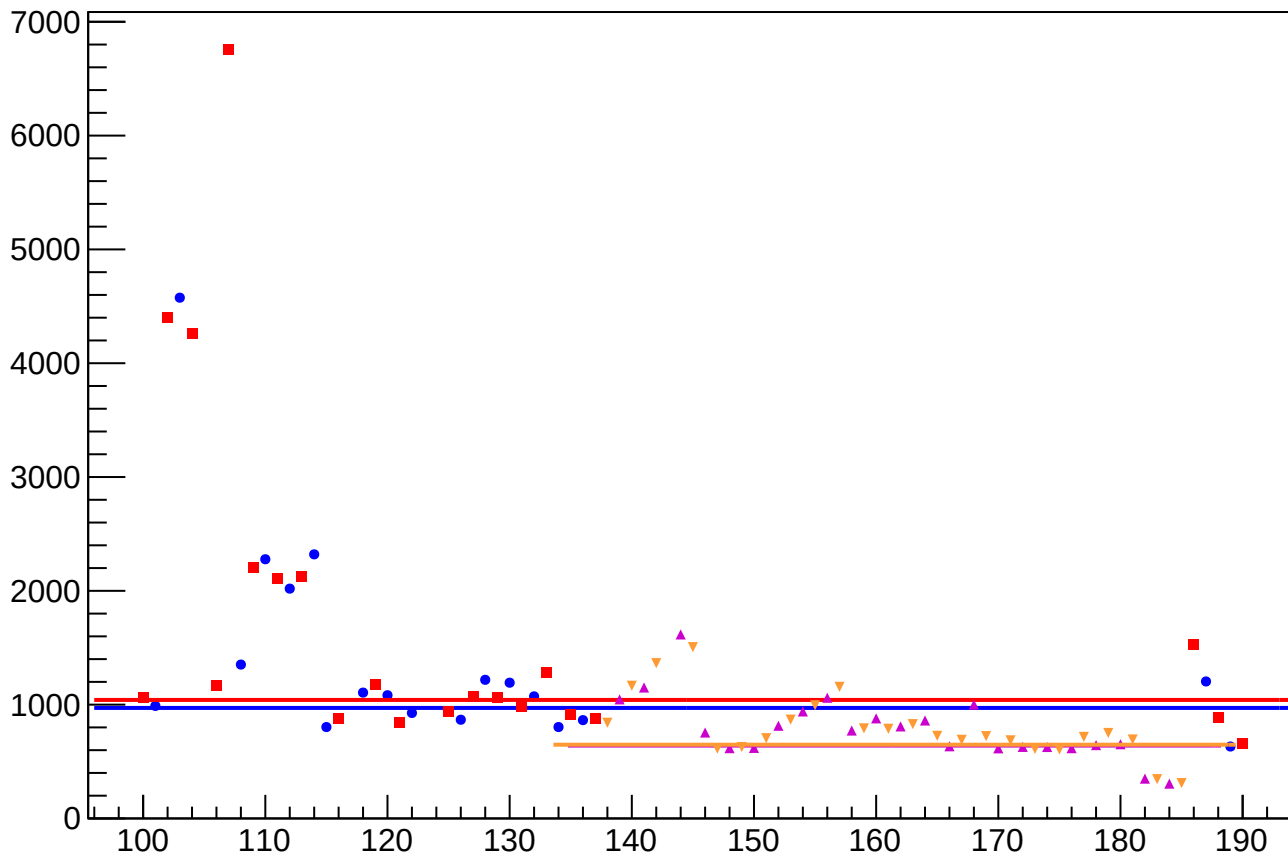
Left In: -59.619 ± 159.669 χ^2/NDF : 22.7/22

+ sign 276.781 ± 146.934 χ^2/NDF : 42.0/41

All: 138.216 ± 104.071 χ^2/NDF : 86.2/85

- sign -1.275 ± 147.423 χ^2/NDF : 42.4/43

asym_atl1_dit_correction_rms vs Slug



Right In: 971.132 $\pm$ 0.262 χ^2 /NDF: 1898067.8/17

Left Out: 648.100 $\pm$ 0.113 χ^2 /NDF: 3886991.8/23

Right Out: 1041.438 $\pm$ 0.271 χ^2 /NDF: 2961982.5/20

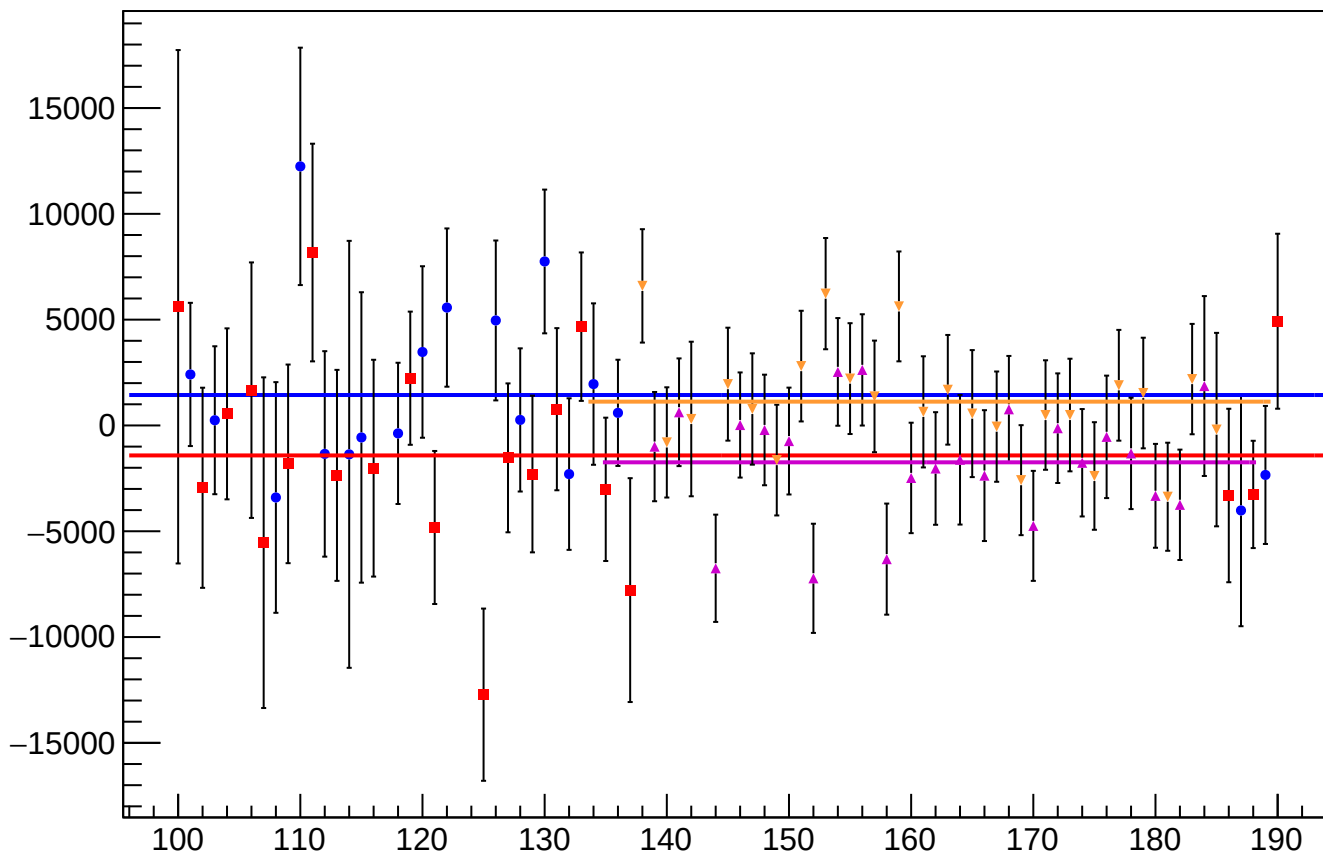
Left In: 640.422 $\pm$ 0.113 χ^2 /NDF: 4128760.4/22

+ sign 698.847 $\pm$ 0.104 χ^2 /NDF: 7065081.3/41

All: 699.210 $\pm$ 0.074 χ^2 /NDF: 16016775.7/85

- sign 699.576 $\pm$ 0.104 χ^2 /NDF: 8951669.9/43

eigen_dit_asym_atl1_mean vs Slug



Right In: 1438.464 ± 910.134 χ^2/NDF : 15.0/17

Left Out: 1125.562 ± 549.834 χ^2/NDF : 21.2/23

Right Out: -1416.598 ± 892.415 χ^2/NDF : 22.9/20

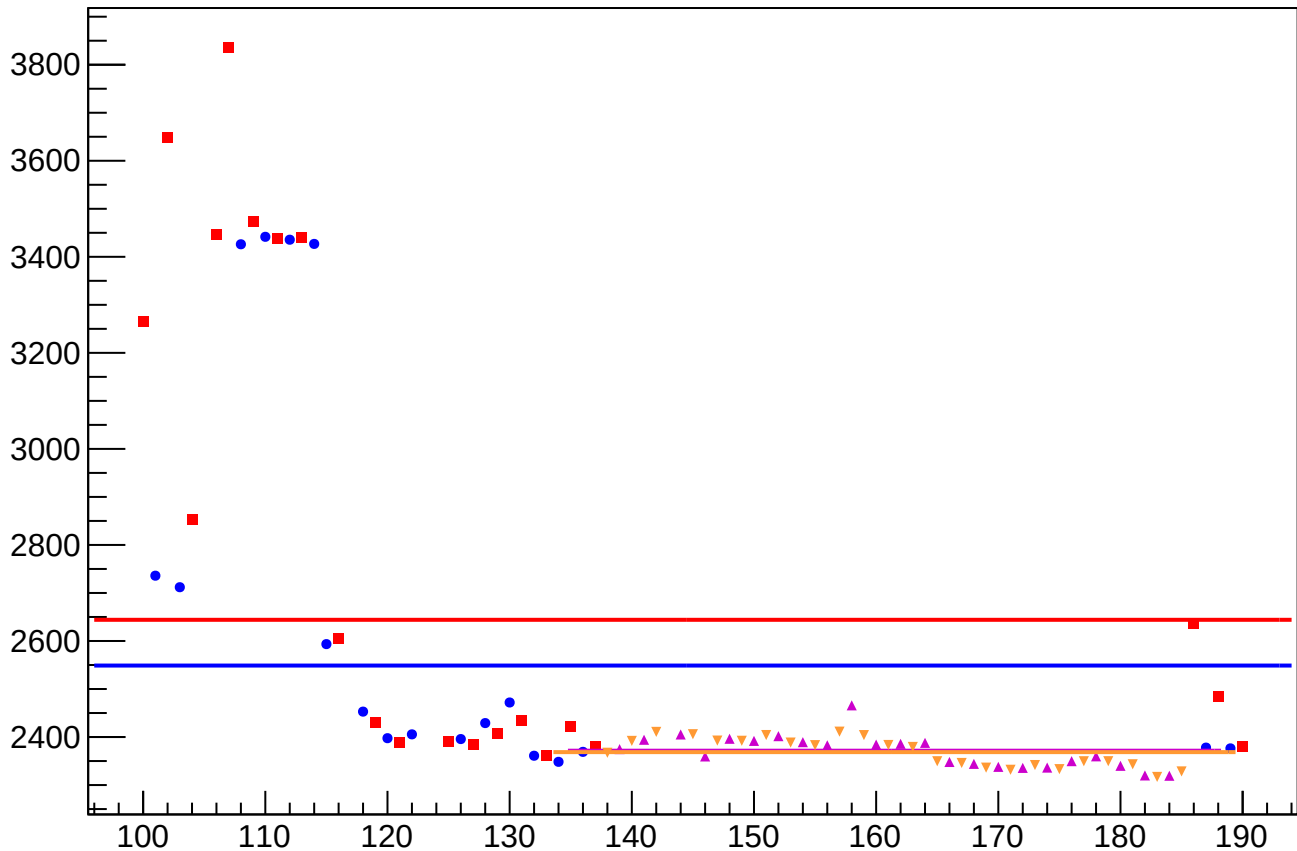
Left In: -1742.305 ± 553.755 χ^2/NDF : 23.8/22

+ sign 1209.226 ± 470.620 χ^2/NDF : 36.3/41

All: -221.542 ± 332.747 χ^2/NDF : 101.4/85

- sign -1651.759 ± 470.530 χ^2/NDF : 46.7/43

eigen_dit_asym_atl1_rms vs Slug



Right In: 2548.832 $\pm$ 0.644 χ^2 /NDF: 237919.4/17

Left Out: 2368.569 $\pm$ 0.389 χ^2 /NDF: 5571.3/23

Right Out: 2644.099 $\pm$ 0.631 χ^2 /NDF: 438827.2/20

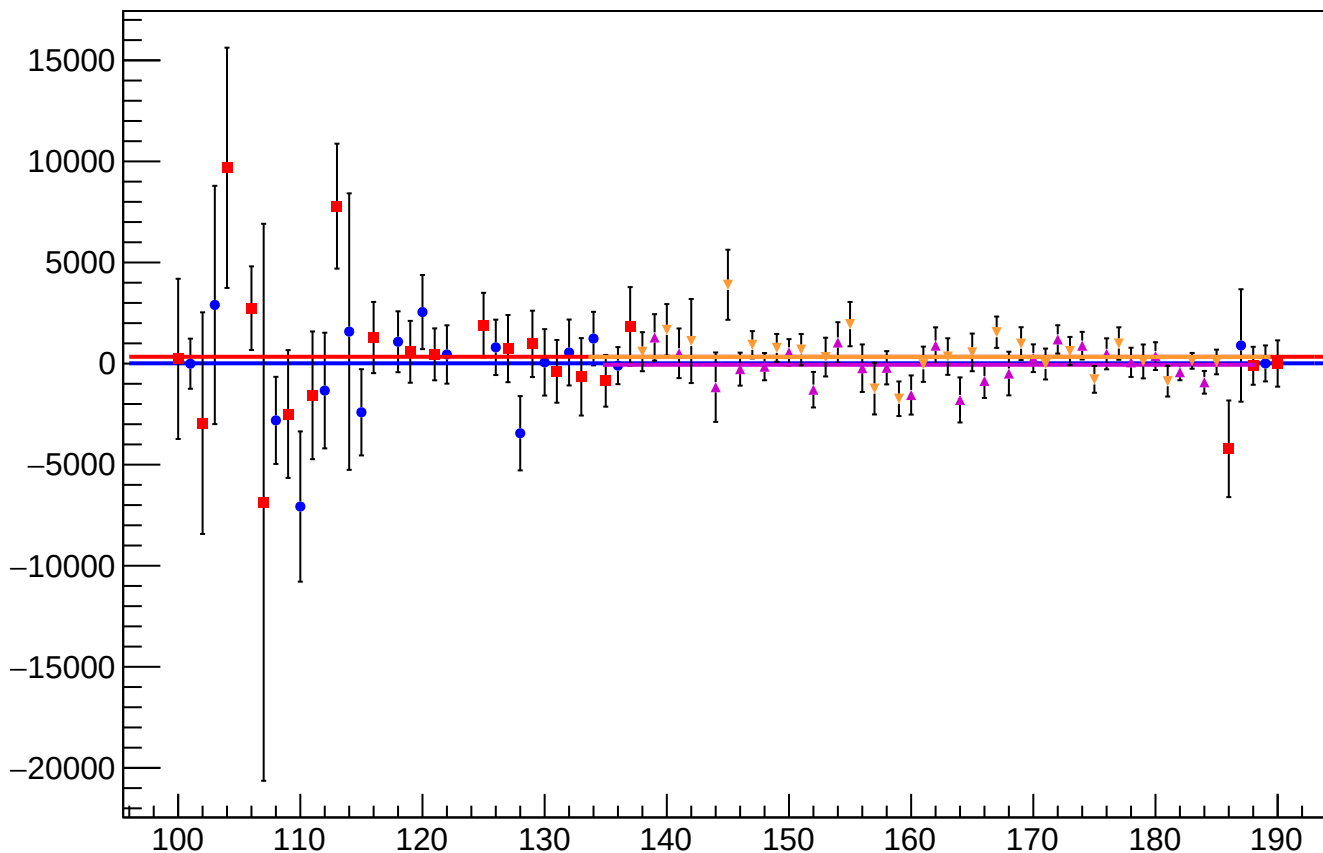
Left In: 2371.518 $\pm$ 0.392 χ^2 /NDF: 7053.5/22

+ sign 2416.768 $\pm$ 0.333 χ^2 /NDF: 300970.0/41

All: 2432.034 $\pm$ 0.235 χ^2 /NDF: 885777.3/85

- sign 2447.295 $\pm$ 0.333 χ^2 /NDF: 580599.0/43

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 12.934+/-370.716 χ^2/NDF : 14.6/17

Left Out: 325.955+/-160.042 χ^2/NDF : 26.8/23

Right Out: 335.909+/-383.845 χ^2/NDF : 18.8/20

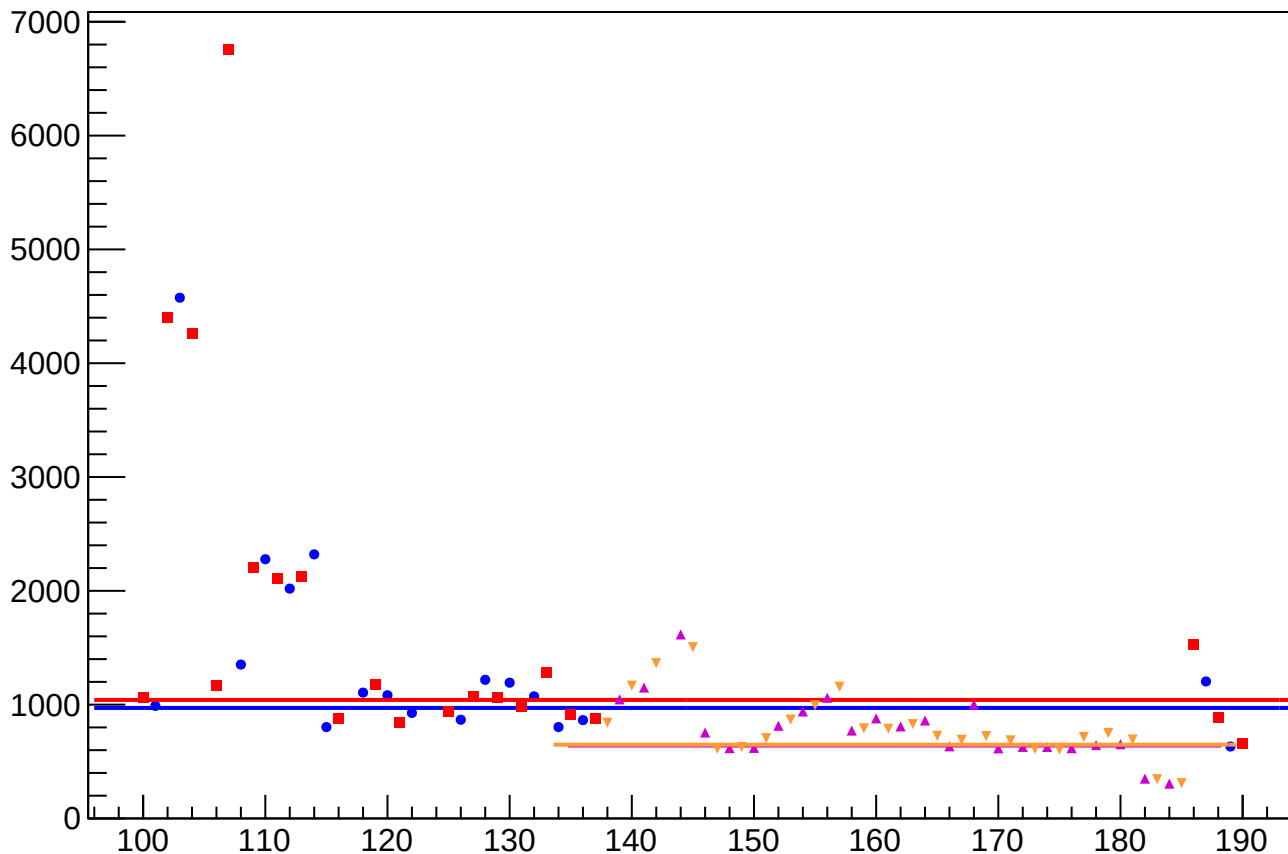
Left In: -59.619+/-159.670 χ^2/NDF : 22.7/22

+ sign 276.781+/-146.934 χ^2/NDF : 42.0/41

All: 138.215+/-104.071 χ^2/NDF : 86.2/85

- sign -1.275+/-147.423 χ^2/NDF : 42.4/43

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 971.133+/-0.262 χ^2/NDF : 1898064.6/17

Left Out: 648.101+/-0.113 χ^2/NDF : 3887001.9/23

Right Out: 1041.437+/-0.271 χ^2/NDF : 2961983.4/20

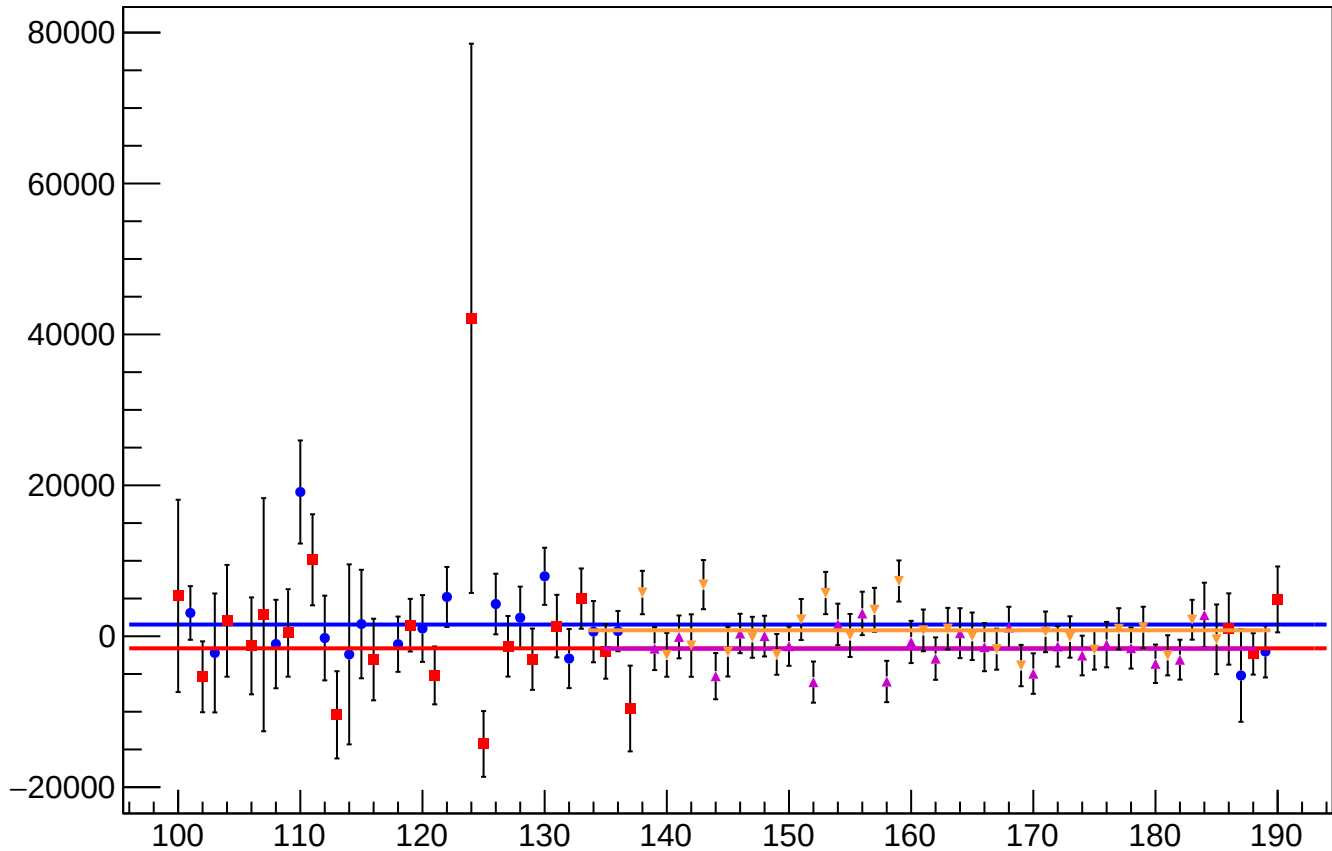
Left In: 640.423+/-0.113 χ^2/NDF : 4128774.2/22

+ sign 698.848+/-0.104 χ^2/NDF : 7065082.1/41

All: 699.211+/-0.074 χ^2/NDF : 16016780.0/85

- sign 699.576+/-0.104 χ^2/NDF : 8951673.3/43

asym_atl1_mean vs Slug



Right In: 1552.559+/-1019.794 χ^2/NDF : 15.9/17

Left Out: 791.438+/-573.266 χ^2/NDF : 27.1/24

Right Out: -1598.695+/-998.139 χ^2/NDF : 27.1/21

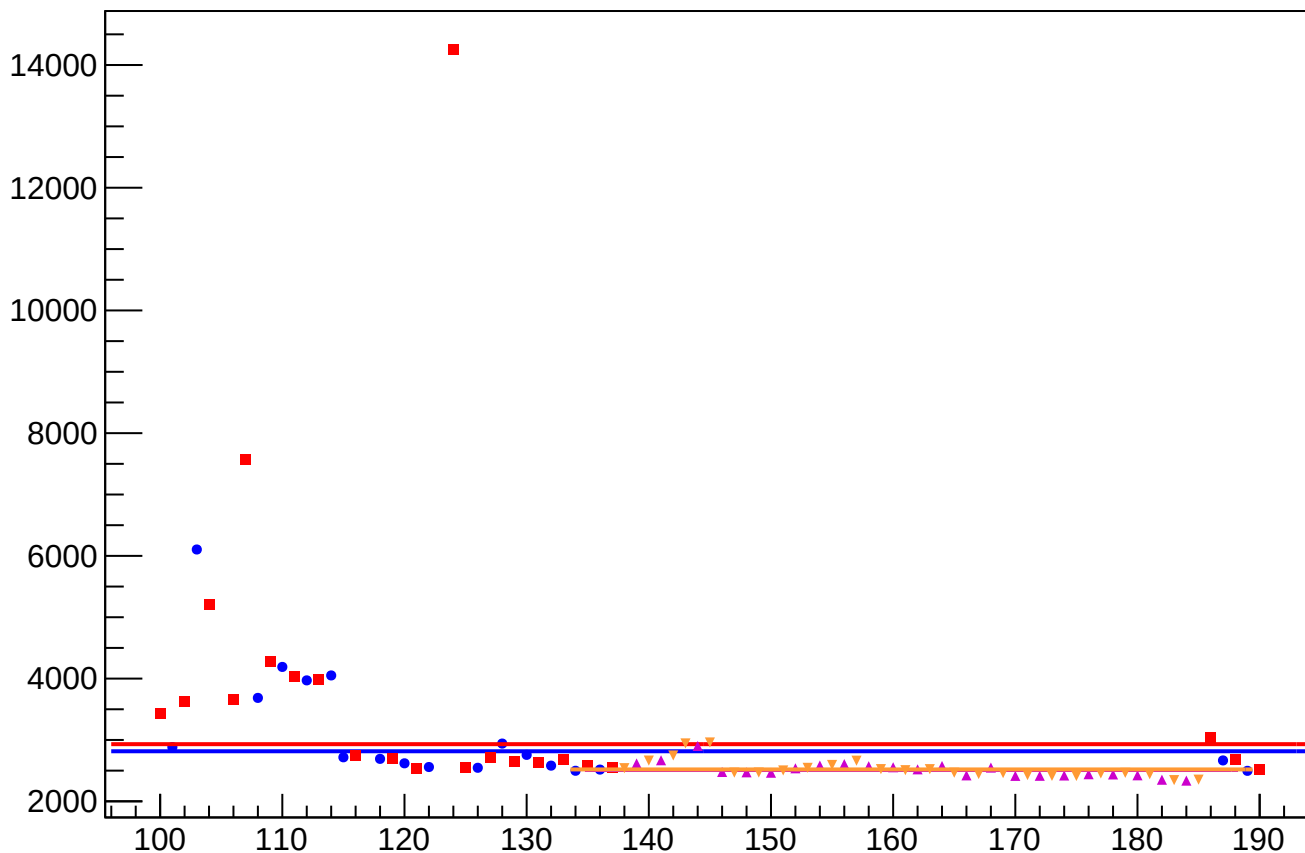
Left In: -1654.626+/-586.767 χ^2/NDF : 17.3/22

+ sign 974.200+/-499.722 χ^2/NDF : 43.5/42

All: -317.131+/-355.499 χ^2/NDF : 101.4/87

- sign -1640.261+/-505.837 χ^2/NDF : 44.4/44

asym_atl1_rms vs Slug



Right In: 2815.614+/-0.721 χ^2 /NDF: 669484.3/17

Left Out: 2519.516+/-0.405 χ^2 /NDF: 115204.3/24

Right Out: 2931.334+/-0.706 χ^2 /NDF: 1020910.7/21

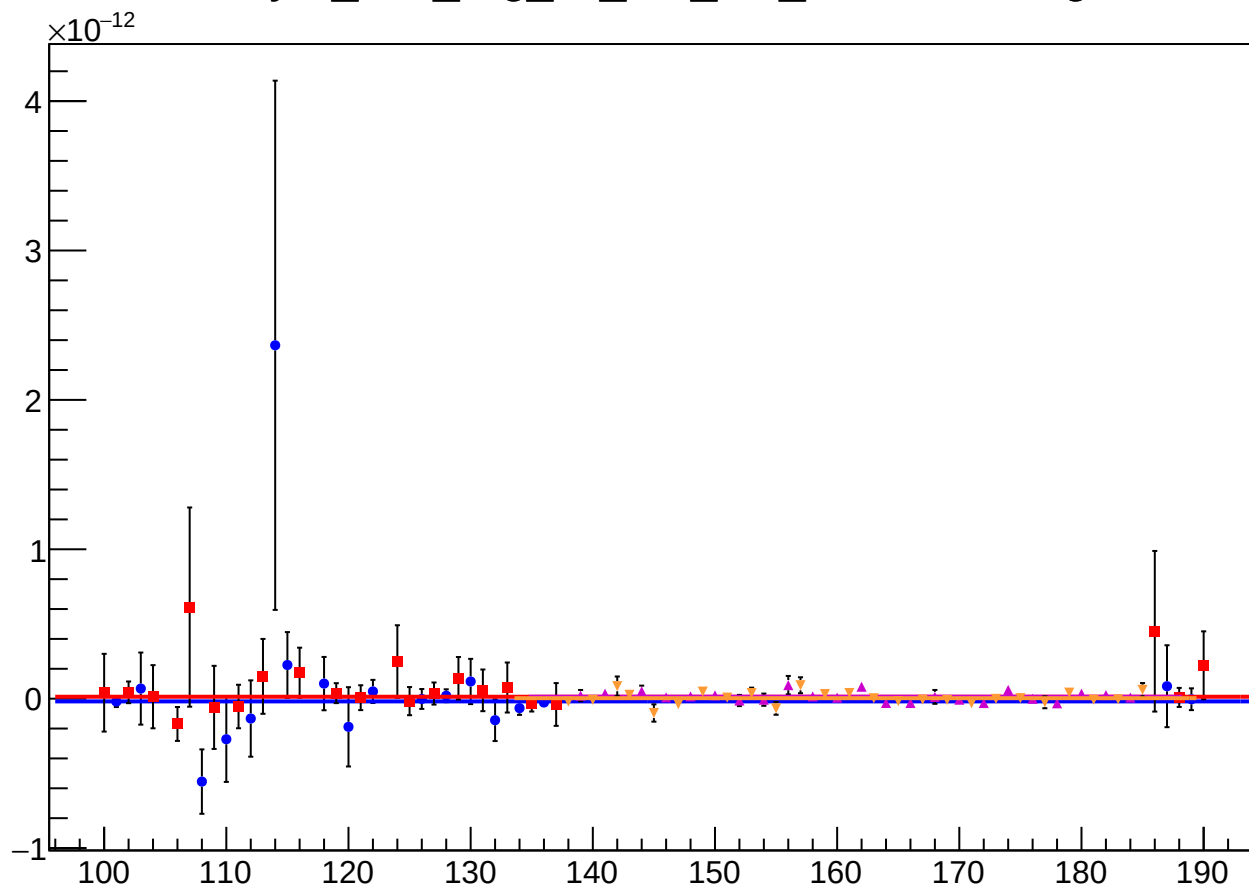
Left In: 2510.156+/-0.415 χ^2 /NDF: 73771.4/22

+ sign 2590.615+/-0.353 χ^2 /NDF: 912809.8/42

All: 2604.302+/-0.251 χ^2 /NDF: 2275177.8/87

- sign 2618.325+/-0.358 χ^2 /NDF: 1359330.6/44

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.6/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 9.9/21

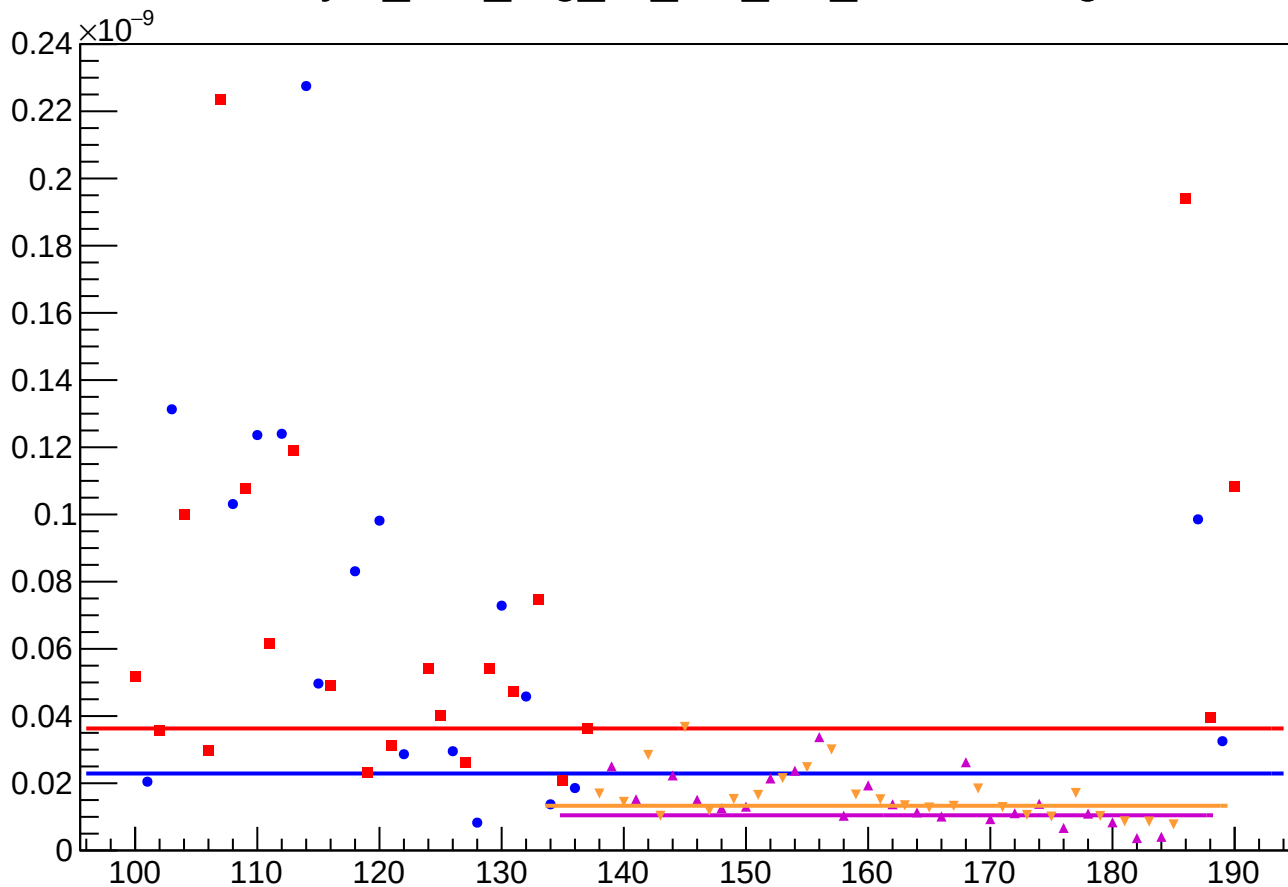
Left In: 0.000 ± 0.000 χ^2/NDF : 32.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 45.9/42

All: 0.000 ± 0.000 χ^2/NDF : 90.9/87

- sign 0.000 ± 0.000 χ^2/NDF : 42.1/44

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2535818.9/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 1472019.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 1631044.4/21

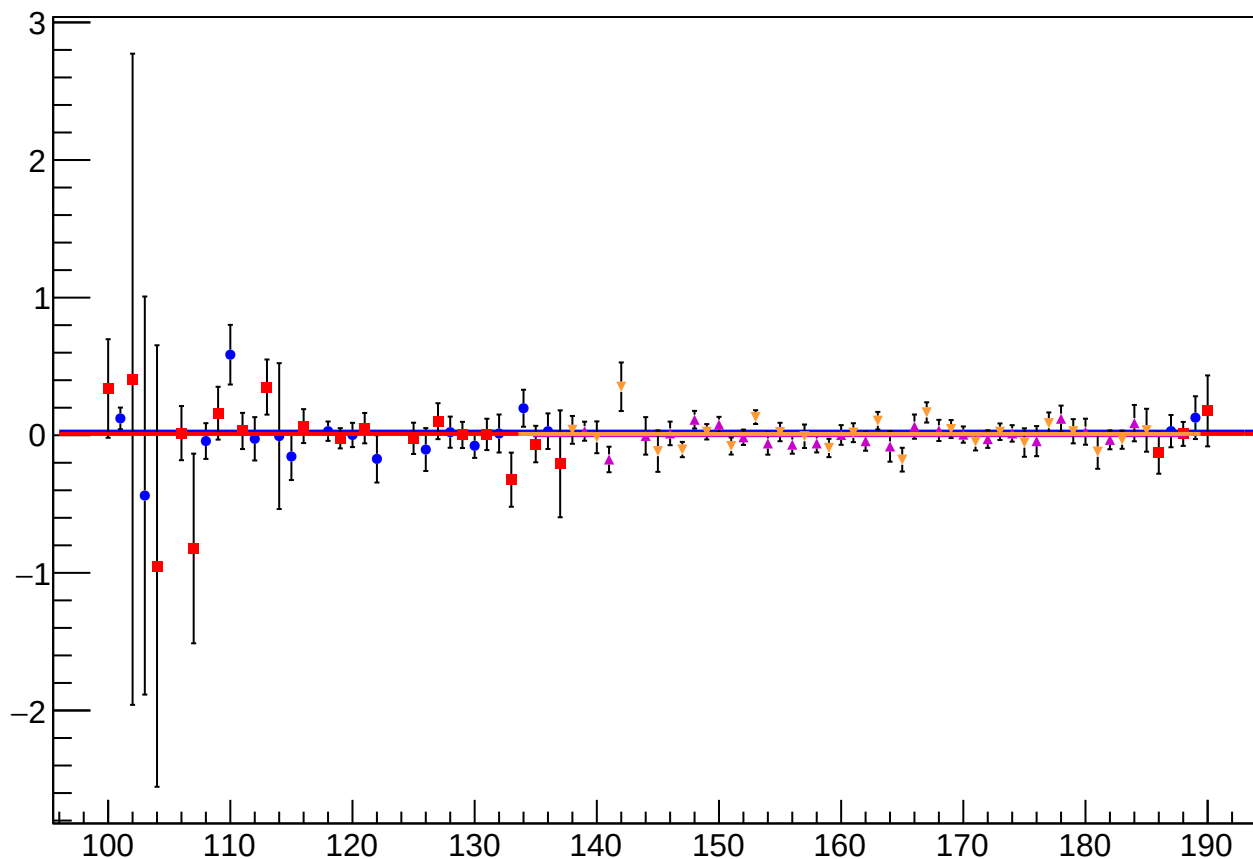
Left In: 0.000 ± 0.000 χ^2/NDF : 2813965.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 4612474.4/42

All: 0.000 ± 0.000 χ^2/NDF : 11829630.1/87

- sign 0.000 ± 0.000 χ^2/NDF : 6931034.5/44

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.029 χ^2/NDF : 15.2/17

Left Out: 0.009 $\pm$ 0.015 χ^2/NDF : 34.7/23

Right Out: 0.010 $\pm$ 0.030 χ^2/NDF : 12.1/20

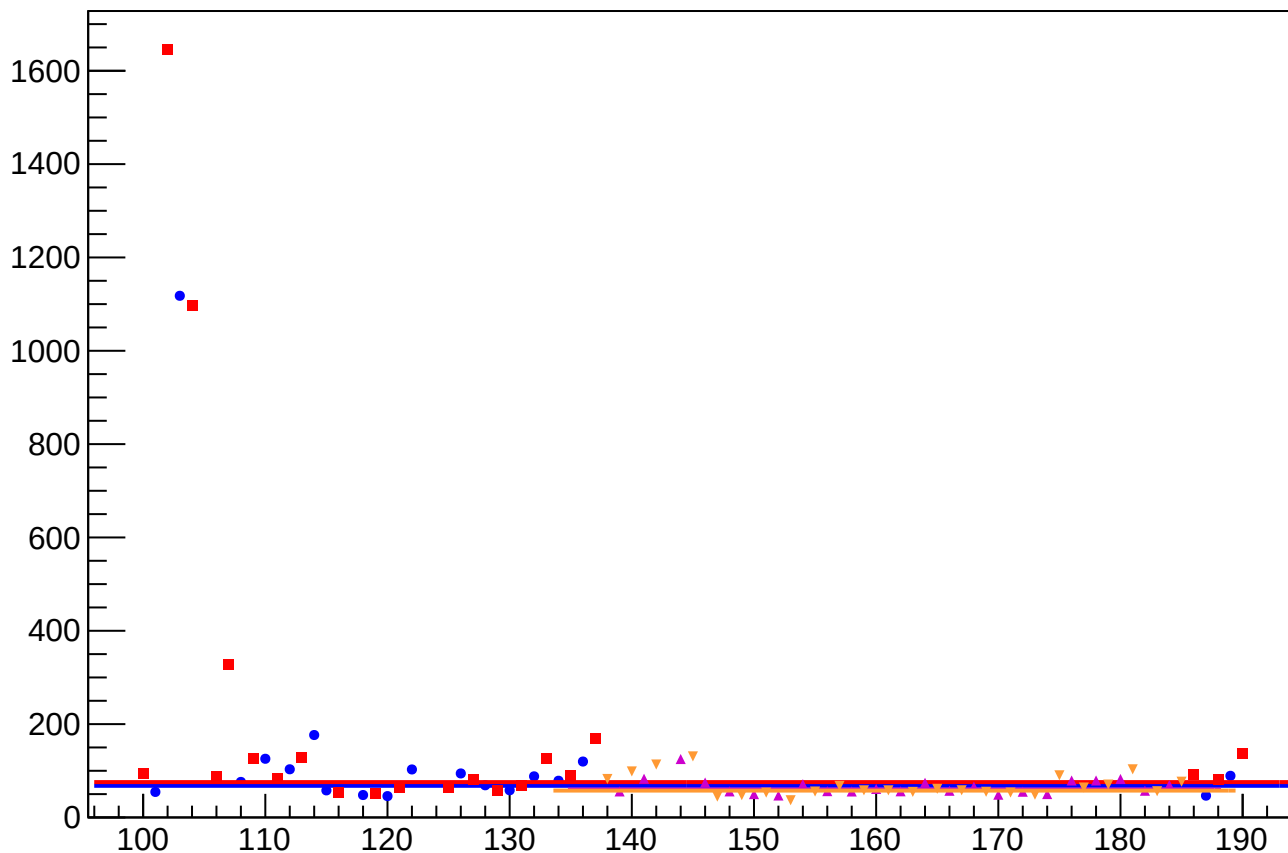
Left In: 0.001 $\pm$ 0.015 χ^2/NDF : 15.6/22

+ sign 0.013 $\pm$ 0.013 χ^2/NDF : 50.2/41

All: 0.008 $\pm$ 0.010 χ^2/NDF : 78.3/85

- sign 0.003 $\pm$ 0.014 χ^2/NDF : 27.7/43

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.838 ± 0.020 $\chi^2/\text{NDF}: 2381643.5/17$

Left Out: 57.606 ± 0.011 $\chi^2/\text{NDF}: 2213142.2/23$

Right Out: 75.757 ± 0.021 $\chi^2/\text{NDF}: 3075707.7/20$

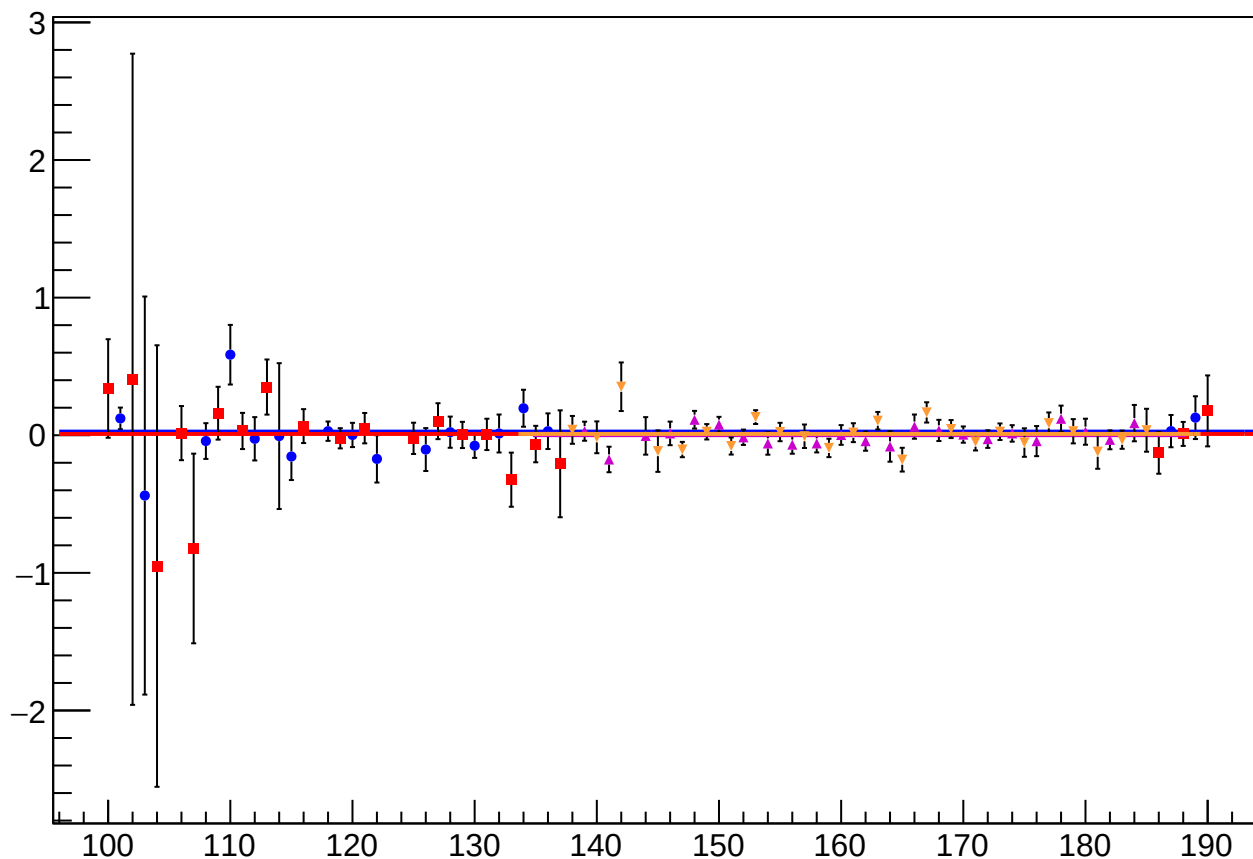
Left In: 59.828 ± 0.011 $\chi^2/\text{NDF}: 1340700.1/22$

+ sign 59.826 ± 0.009 $\chi^2/\text{NDF}: 4793854.3/41$

All: 61.417 ± 0.007 $\chi^2/\text{NDF}: 9704892.3/85$

- sign 63.113 ± 0.010 $\chi^2/\text{NDF}: 4852504.9/43$

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.029 χ^2 /NDF: 15.2/17

Left Out: 0.009 $\pm$ 0.015 χ^2 /NDF:34.7/23

Right Out: 0.010 $\pm$ 0.030 χ^2 /NDF: 12.1/20

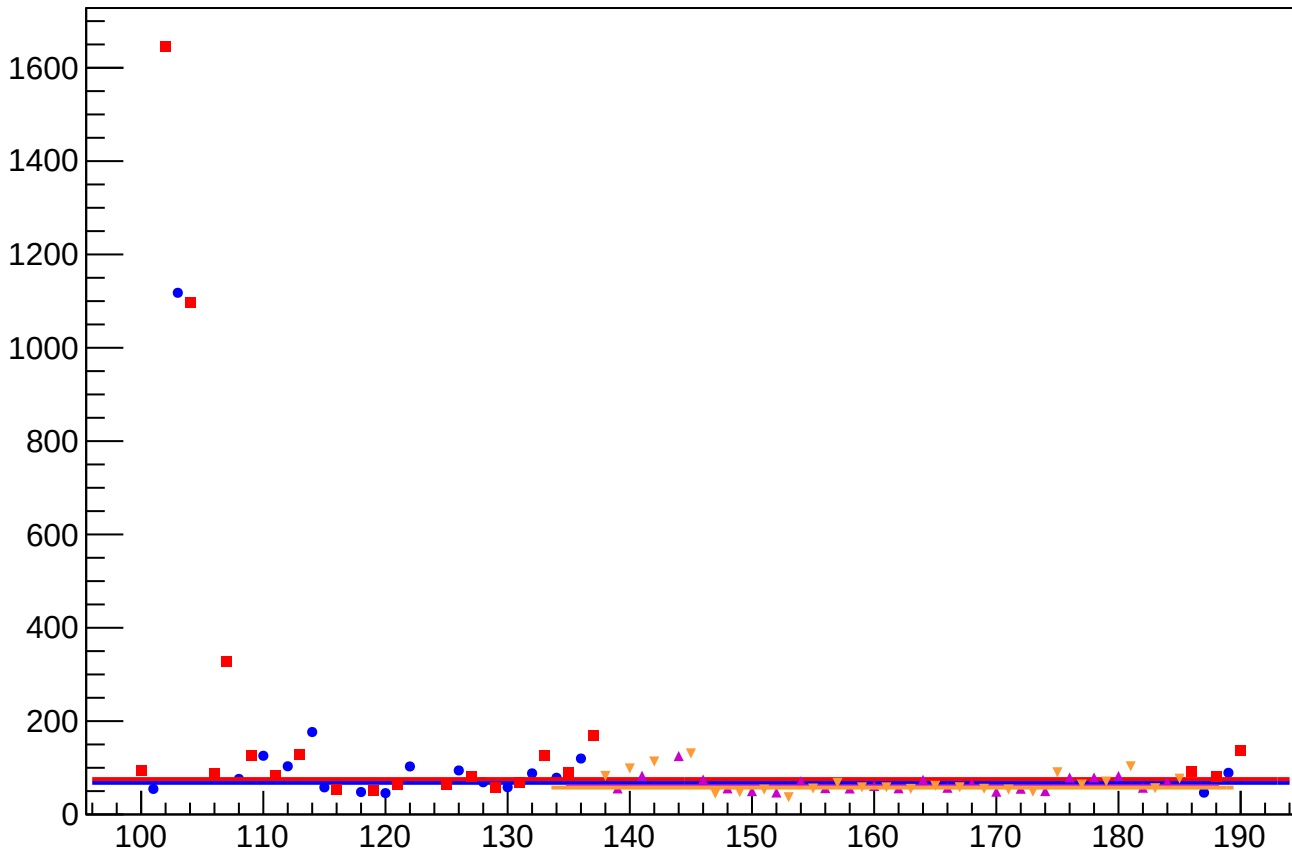
Left In: 0.001 $\pm$ 0.015 χ^2 /NDF:15.6/22

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 50.2/41

All: 0.008 $\pm$ 0.010 χ^2 /NDF: 78.3/85

- sign 0.003 $\pm$ 0.014 χ^2 /NDF: 27.7/43

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.838 ± 0.020 χ^2/NDF : 2381643.5/17

Left Out: 57.606 ± 0.011 χ^2/NDF : 2213142.2/23

Right Out: 75.757 ± 0.021 χ^2/NDF : 3075707.7/20

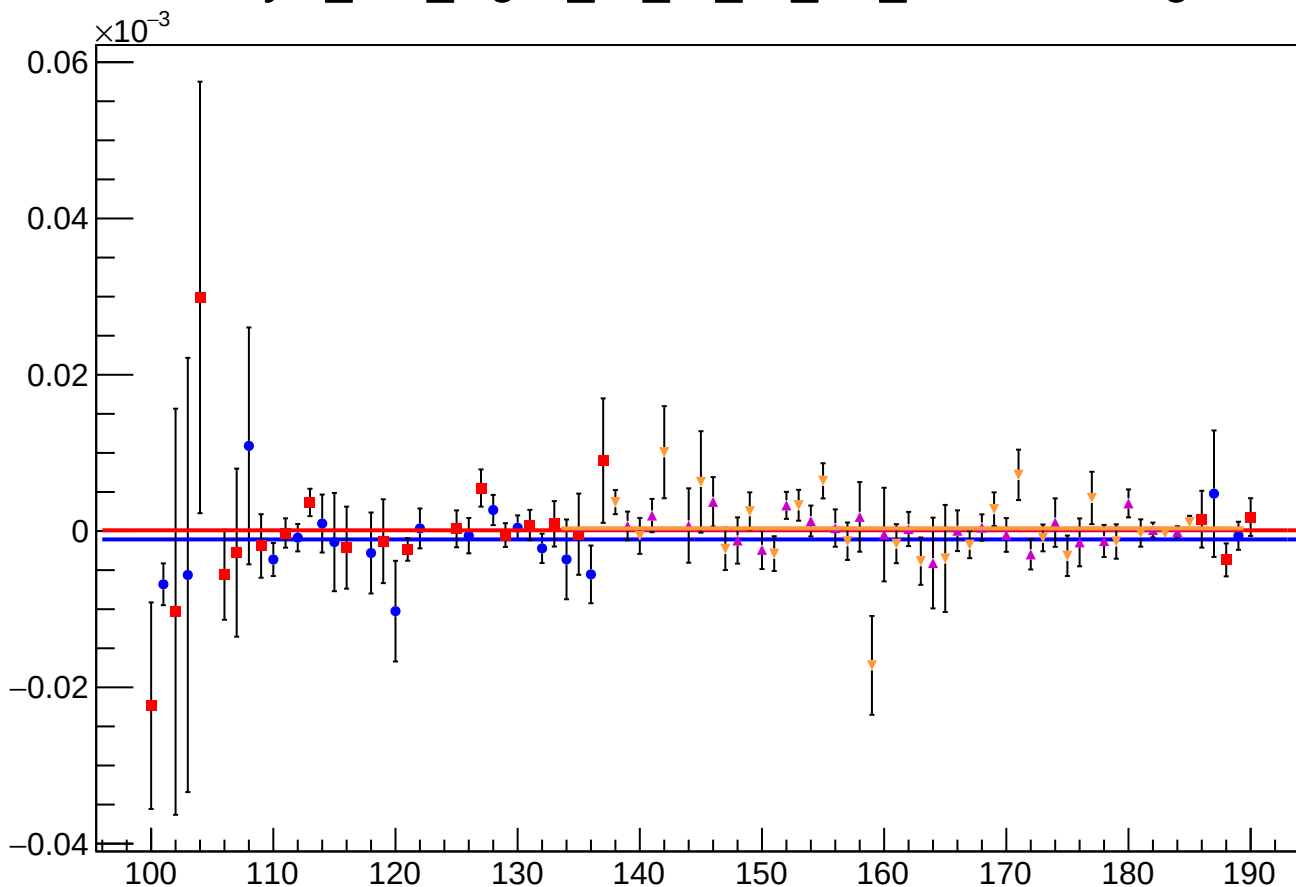
Left In: 59.828 ± 0.011 χ^2/NDF : 1340700.1/22

+ sign 59.826 ± 0.009 χ^2/NDF : 4793854.3/41

All: 61.417 ± 0.007 χ^2/NDF : 9704892.3/85

- sign 63.113 ± 0.010 χ^2/NDF : 4852504.9/43

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 +/- 0.000 χ^2/NDF : 16.9/17

Left Out: 0.000 +/- 0.000 χ^2/NDF : 46.8/23

Right Out: 0.000 +/- 0.000 χ^2/NDF : 23.5/20

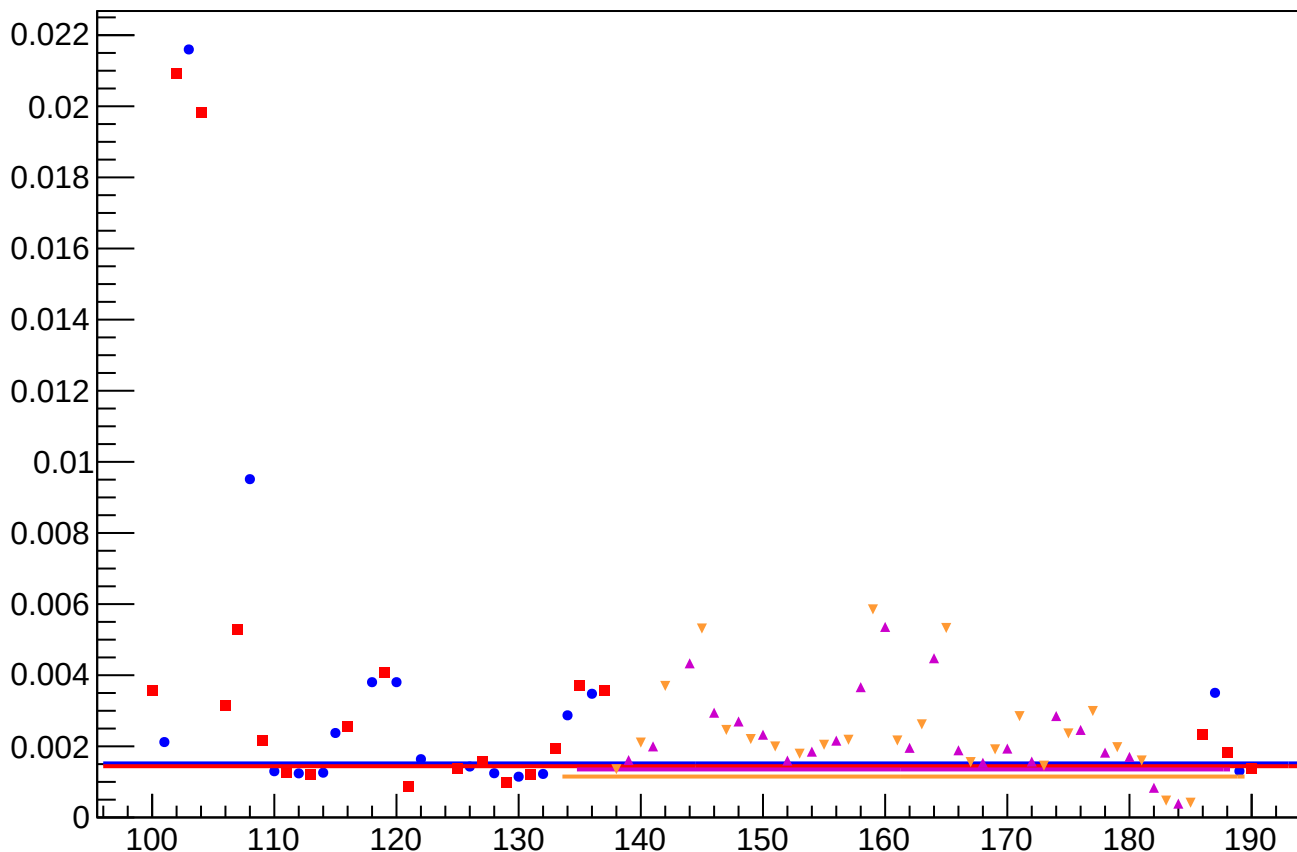
Left In: 0.000 +/- 0.000 χ^2/NDF : 14.9/22

+ sign 0.000 +/- 0.000 χ^2/NDF : 67.6/41

All: 0.000 +/- 0.000 χ^2/NDF : 106.4/85

- sign 0.000 +/- 0.000 χ^2/NDF : 38.5/43

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3524454.5/17

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:13242273.9/23

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 4471304.6/20

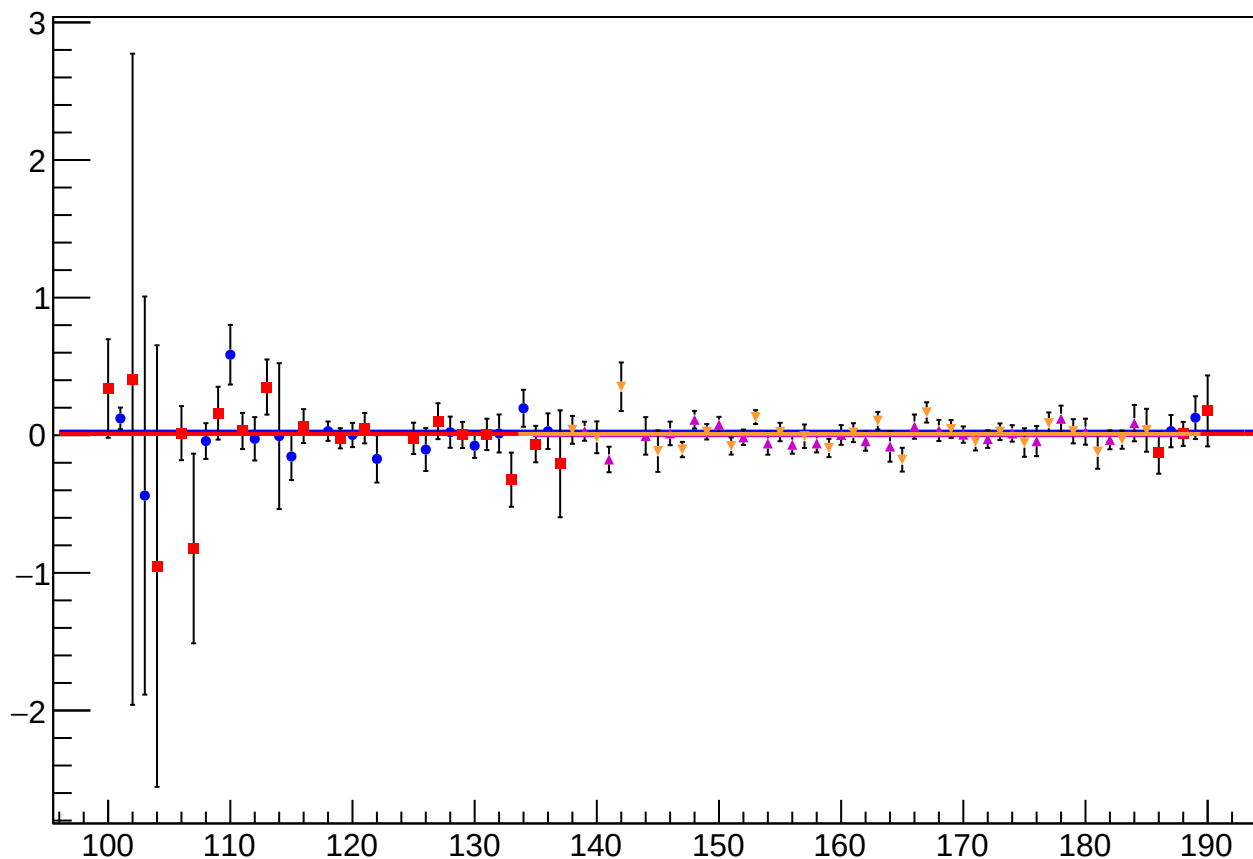
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:10247159.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 17309745.3/41

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 32271567.3/85

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 14752636.6/43

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.029 χ^2 /NDF: 15.2/17

Left Out: 0.009 $\pm$ 0.015 χ^2 /NDF:34.7/23

Right Out: 0.010 $\pm$ 0.030 χ^2 /NDF: 12.1/20

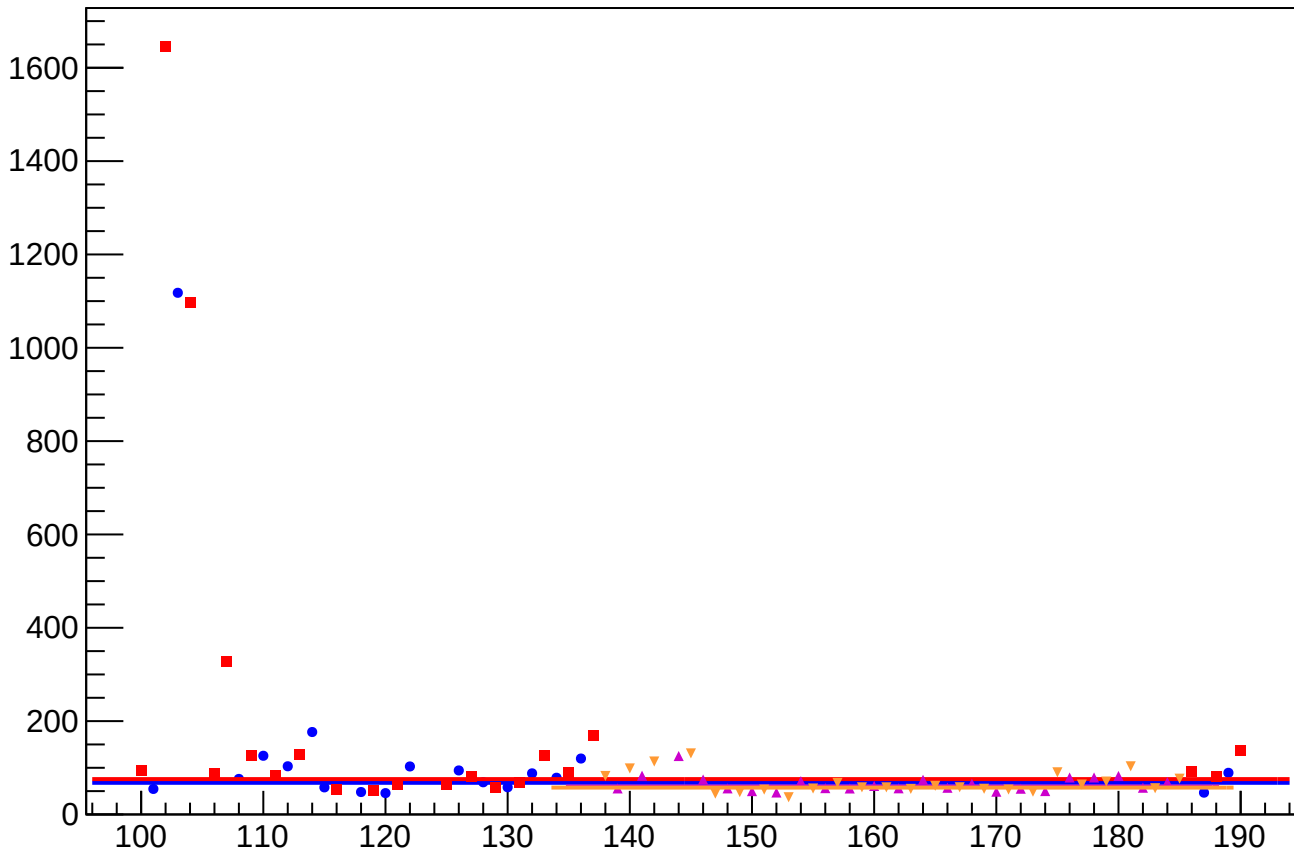
Left In: 0.001 $\pm$ 0.015 χ^2 /NDF:15.6/22

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 50.2/41

All: 0.008 $\pm$ 0.010 χ^2 /NDF: 78.3/85

- sign 0.003 $\pm$ 0.014 χ^2 /NDF: 27.7/43

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.837 ± 0.020 $\chi^2/\text{NDF}: 2381732.5/17$

Left Out: 57.606 ± 0.011 $\chi^2/\text{NDF}: 2213216.3/23$

Right Out: 75.756 ± 0.021 $\chi^2/\text{NDF}: 3075724.9/20$

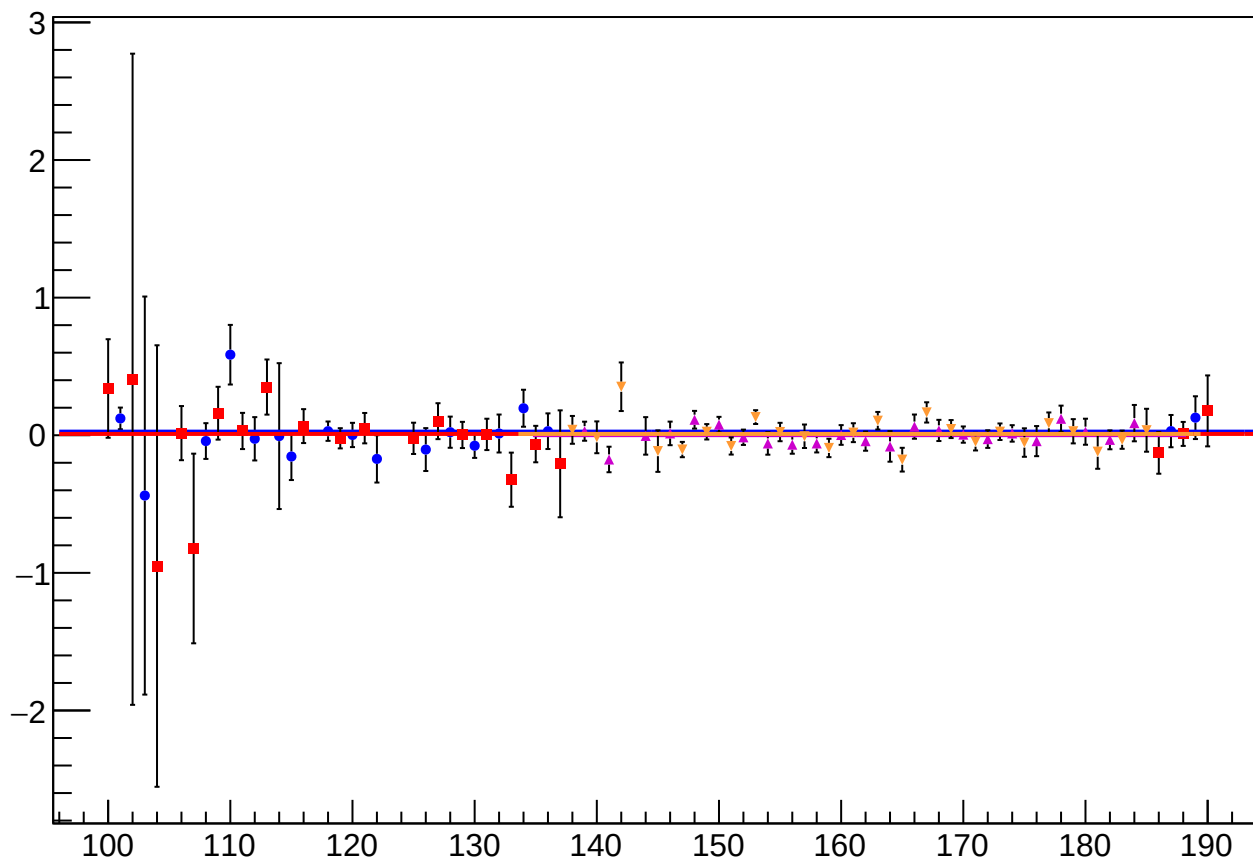
Left In: 59.828 ± 0.011 $\chi^2/\text{NDF}: 1340684.6/22$

+ sign 59.826 ± 0.009 $\chi^2/\text{NDF}: 4793983.2/41$

All: 61.417 ± 0.007 $\chi^2/\text{NDF}: 9704995.0/85$

- sign 63.113 ± 0.010 $\chi^2/\text{NDF}: 4852470.7/43$

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026 $\pm$ 0.029 χ^2 /NDF: 15.2/17

Left Out: 0.009 $\pm$ 0.015 χ^2 /NDF:34.7/23

Right Out: 0.010 $\pm$ 0.030 χ^2 /NDF: 12.1/20

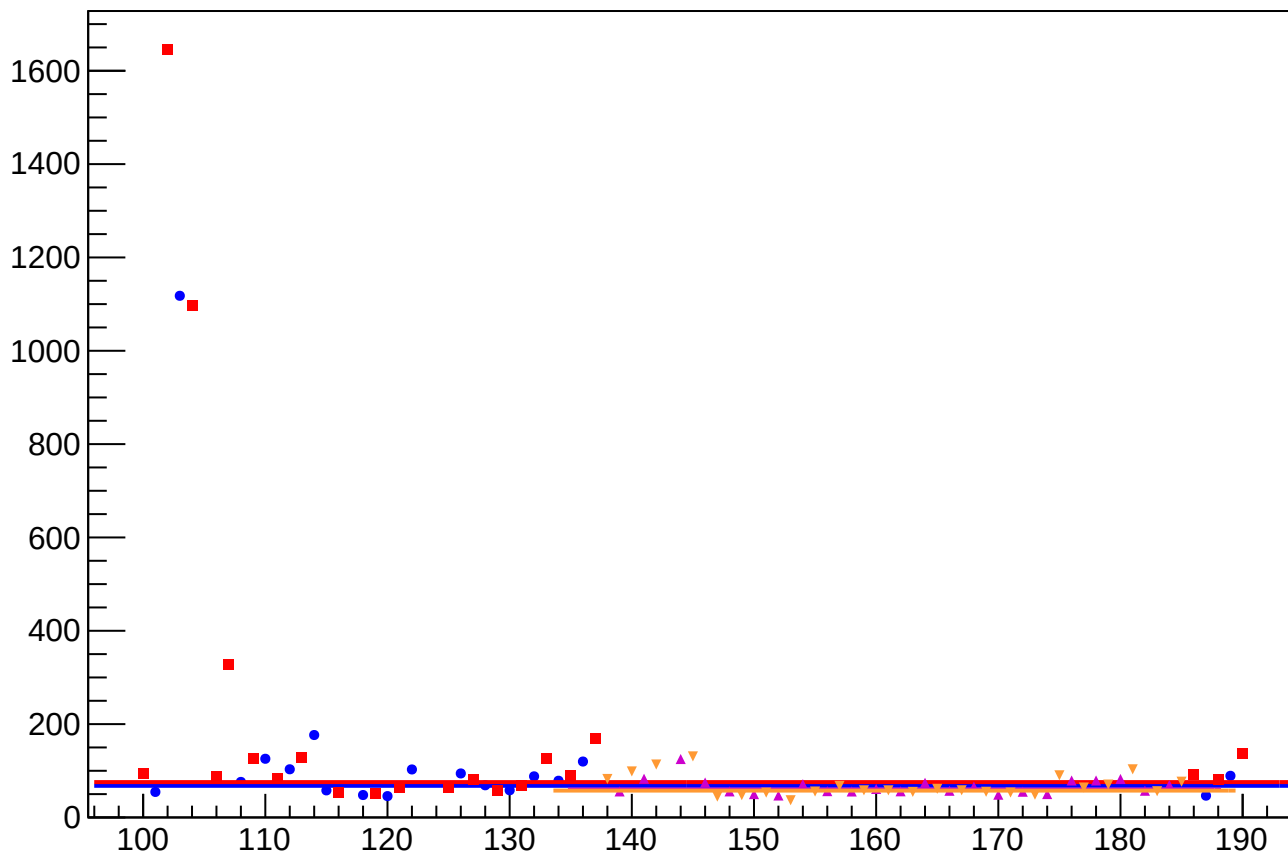
Left In: 0.001 $\pm$ 0.015 χ^2 /NDF:15.6/22

+ sign 0.013 $\pm$ 0.013 χ^2 /NDF: 50.2/41

All: 0.008 $\pm$ 0.010 χ^2 /NDF: 78.3/85

- sign 0.003 $\pm$ 0.014 χ^2 /NDF: 27.7/43

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.837 $\pm$ 0.020 χ^2 /NDF: 2381732.5/17

Left Out: 57.606 $\pm$ 0.011 χ^2 /NDF: 2213216.3/23

Right Out: 75.756 $\pm$ 0.021 χ^2 /NDF: 3075724.9/20

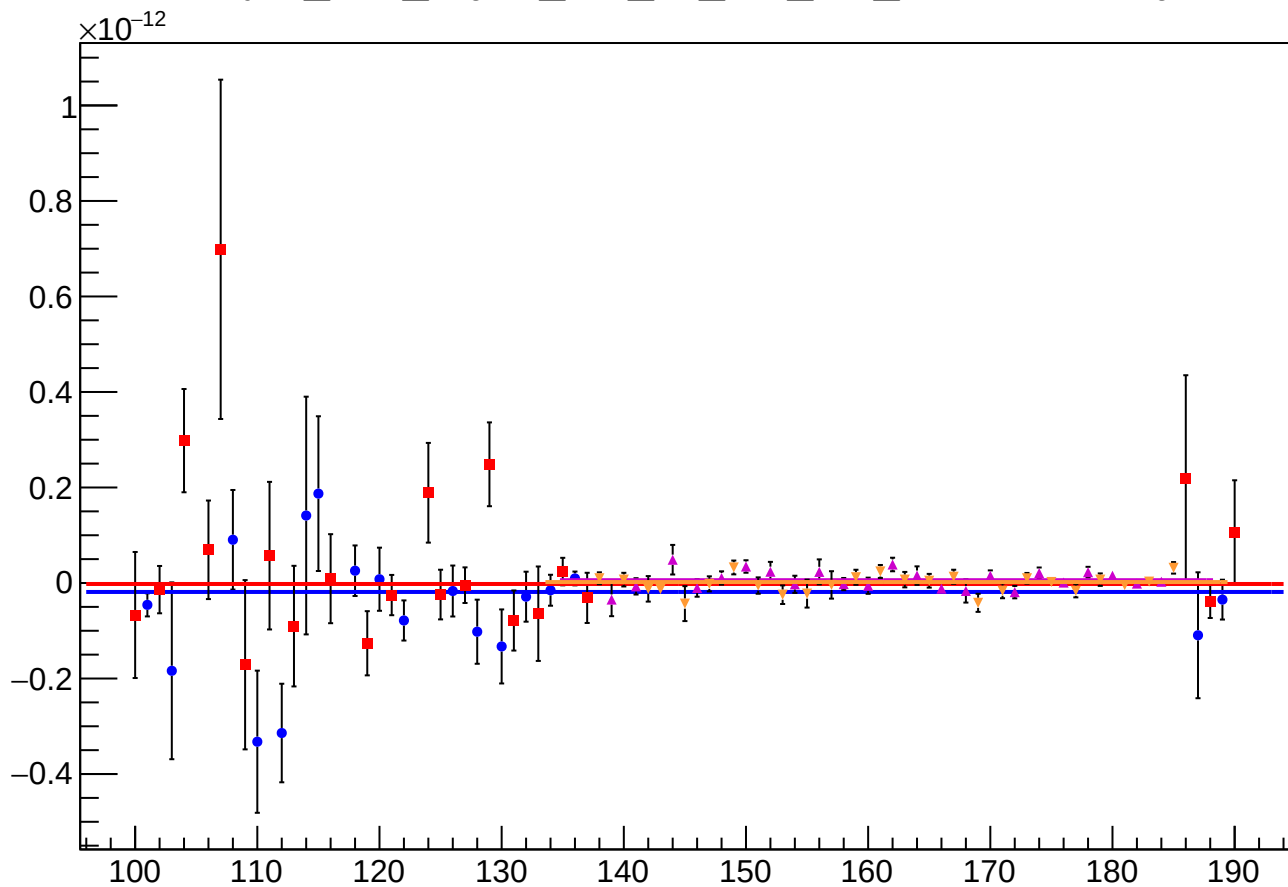
Left In: 59.828 $\pm$ 0.011 χ^2 /NDF: 1340684.6/22

+ sign 59.826 $\pm$ 0.009 χ^2 /NDF: 4793983.2/41

All: 61.417 $\pm$ 0.007 χ^2 /NDF: 9704995.0/85

- sign 63.113 $\pm$ 0.010 χ^2 /NDF: 4852470.7/43

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 28.9/17

Left Out: 0.000+/-0.000 χ^2/NDF :31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF : 35.5/21

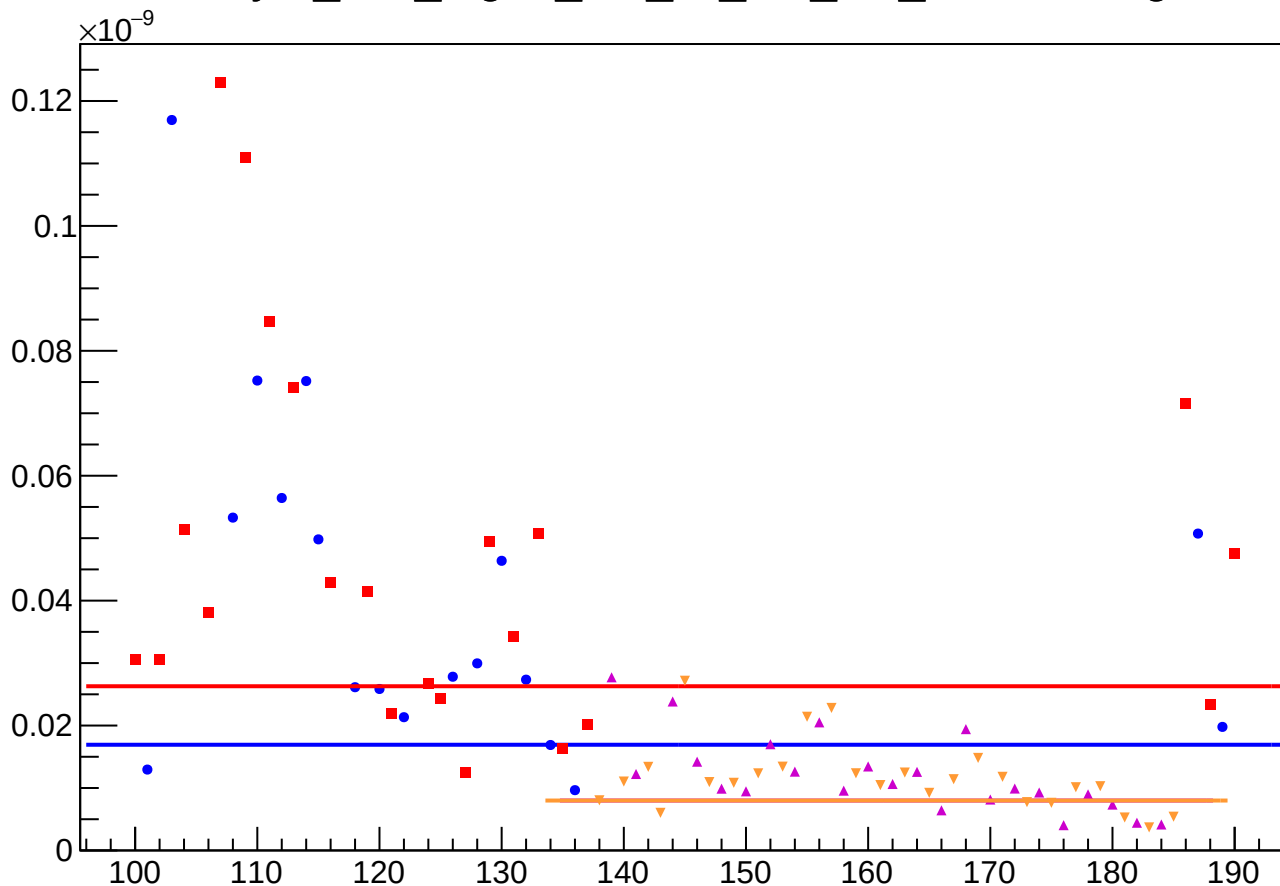
Left In: 0.000+/-0.000 χ^2/NDF :32.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 65.1/42

All: 0.000+/-0.000 χ^2/NDF : 135.5/87

- sign 0.000+/-0.000 χ^2/NDF : 68.5/44

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2966955.1/17

Left Out: 0.000+/-0.000 χ^2/NDF : 4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2527348.1/21

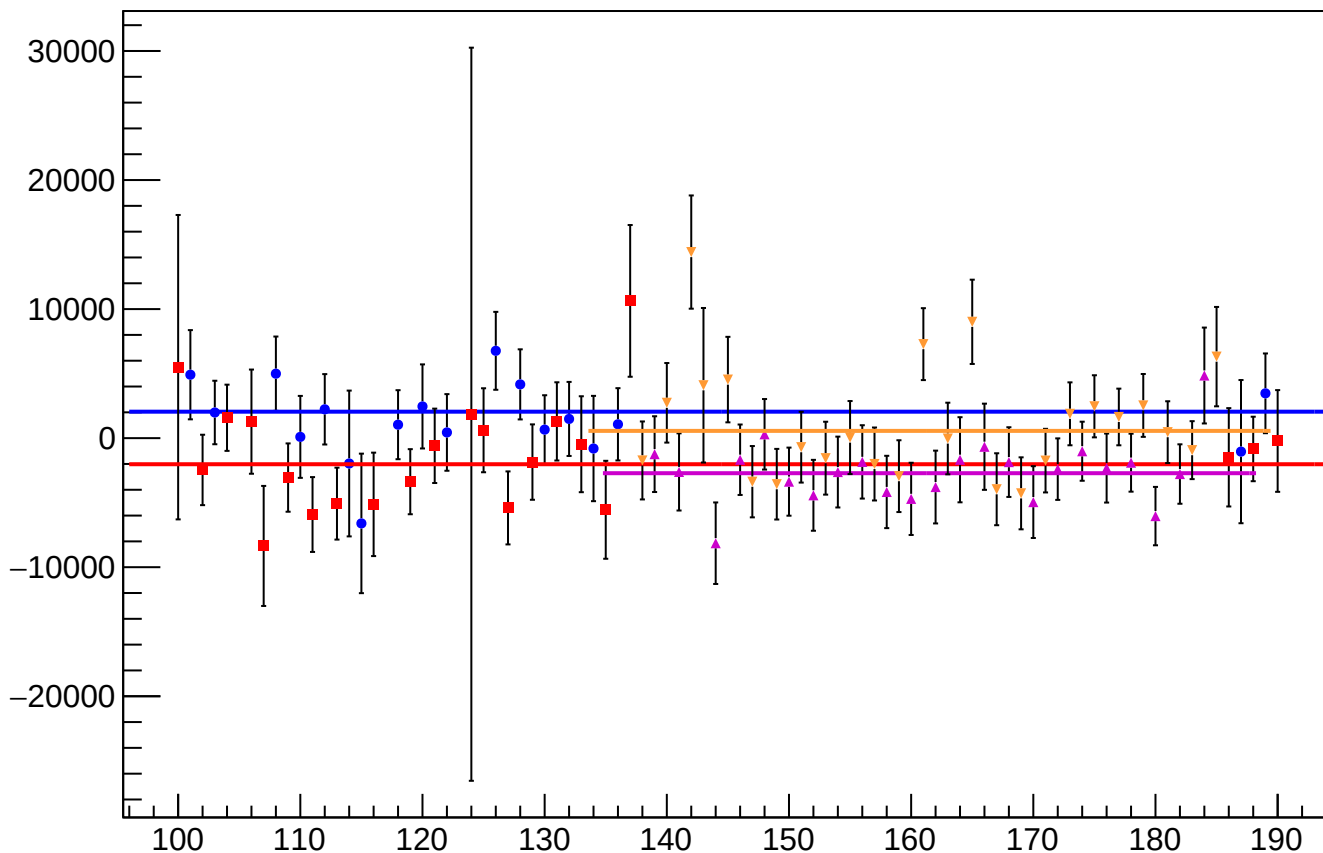
Left In: 0.000+/-0.000 χ^2/NDF : 5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 9452086.5/42

All: 0.000+/-0.000 χ^2/NDF : 20957361.0/87

- sign 0.000+/-0.000 χ^2/NDF : 11502636.9/44

reg_asym_atl2_mean vs Slug



Right In: 2050.932 $\pm$ 735.442 χ^2 /NDF: 10.1/17

Left Out: 562.390 $\pm$ 557.316 χ^2 /NDF:43.9/24

Right Out: -2021.402 $\pm$ 699.718 χ^2 /NDF: 18.7/21

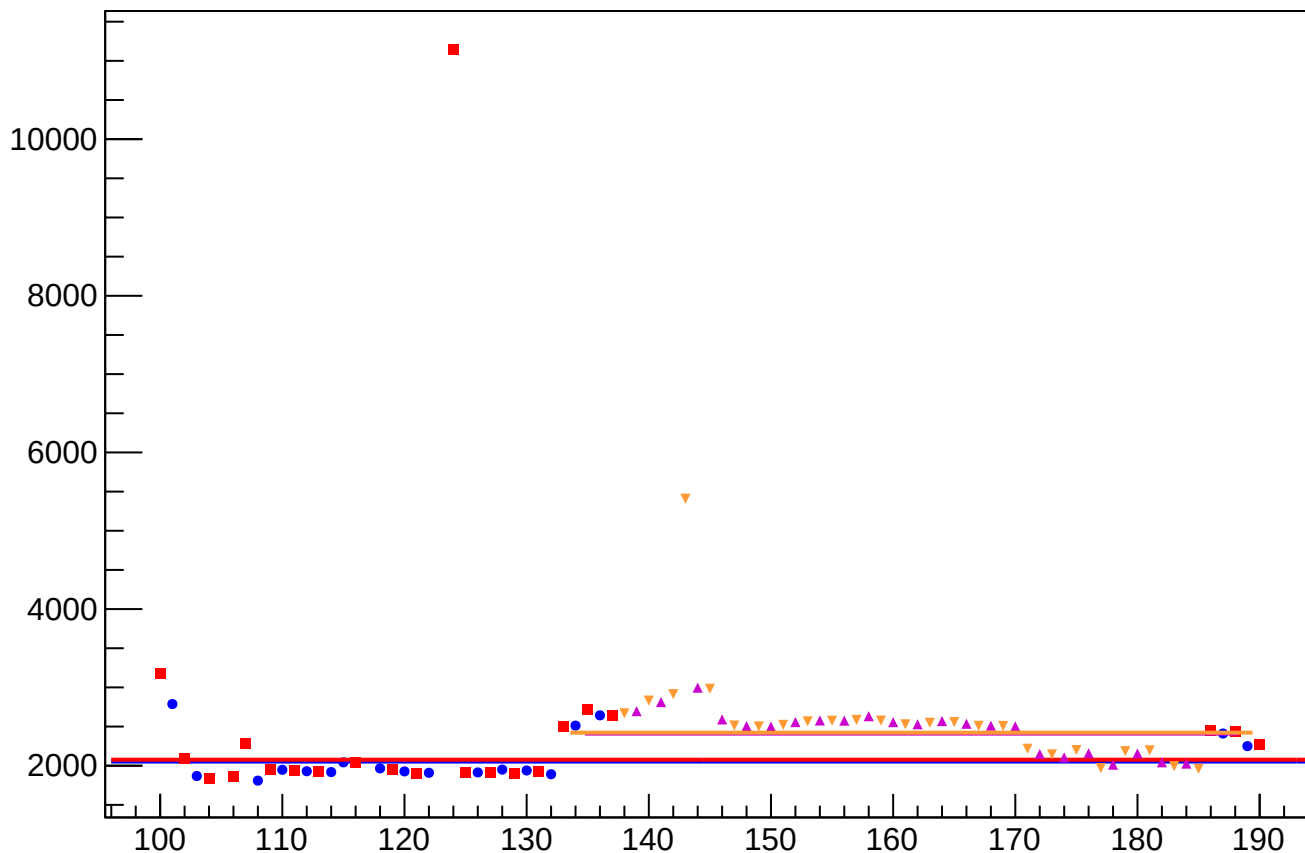
Left In: -2716.200 $\pm$ 566.202 χ^2 /NDF:14.3/22

+ sign 1105.381 $\pm$ 444.185 χ^2 /NDF: 56.7/42

All: -684.128 $\pm$ 312.650 χ^2 /NDF: 122.4/87

- sign -2441.275 $\pm$ 440.150 χ^2 /NDF: 33.5/44

reg_asym_atl2_rms vs Slug



Right In: 2053.020 $\pm$ 0.520 χ^2 /NDF: 280655.7/17

Left Out: 2422.152 $\pm$ 0.394 χ^2 /NDF: 952857.9/24

Right Out: 2076.737 $\pm$ 0.495 χ^2 /NDF: 467604.2/21

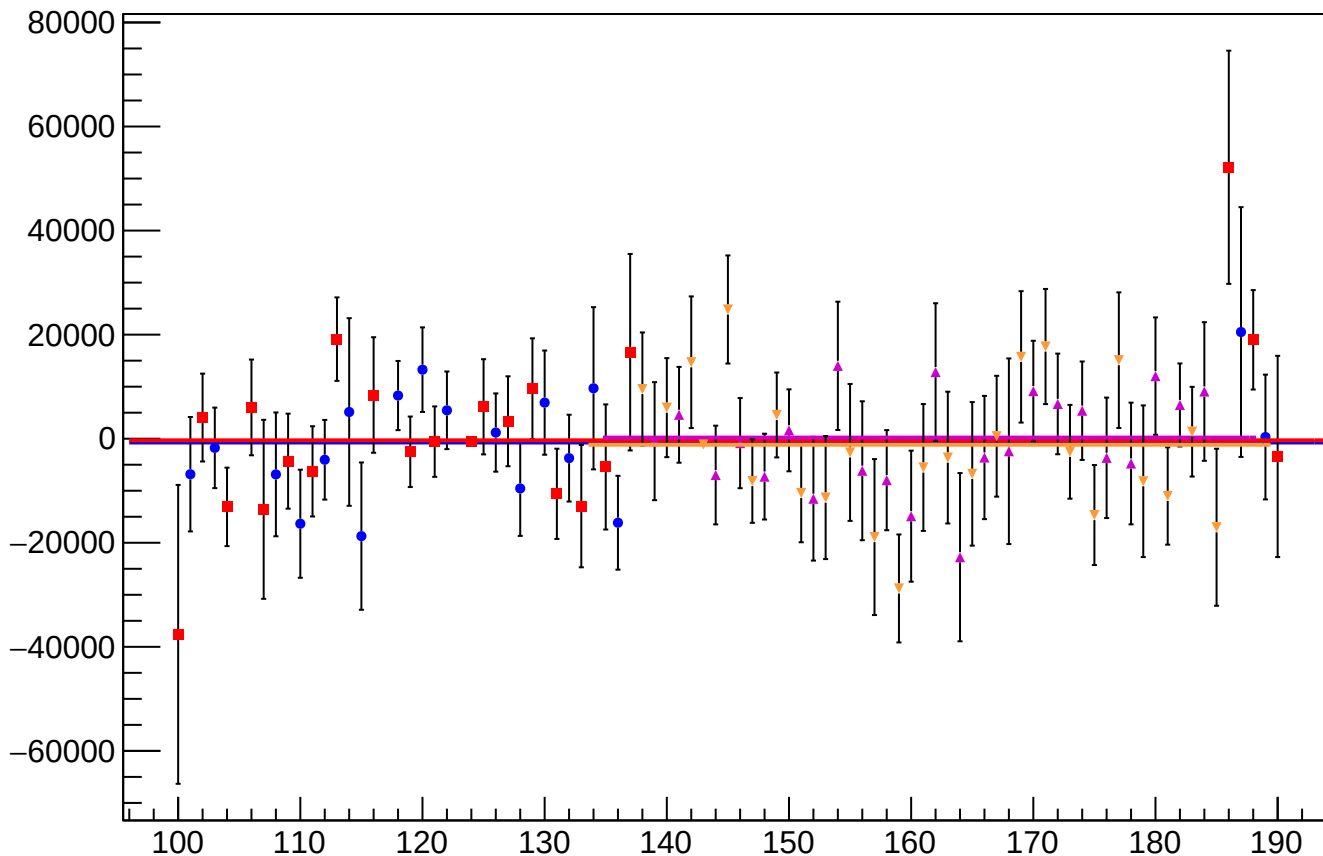
Left In: 2409.820 $\pm$ 0.400 χ^2 /NDF: 428364.2/22

+ sign 2287.500 $\pm$ 0.314 χ^2 /NDF: 1553565.4/42

All: 2282.718 $\pm$ 0.221 χ^2 /NDF: 2723864.8/87

- sign 2278.022 $\pm$ 0.311 χ^2 /NDF: 1169839.9/44

asym_atl2_reg_correction_mean vs Slug



Right In: -721.465+/-2228.803 χ^2/NDF : 16.1/17

Left Out: -1158.214+/-757.797 χ^2/NDF : 31.9/24

Right Out: -315.603+/-764.769 χ^2/NDF : 28.1/21

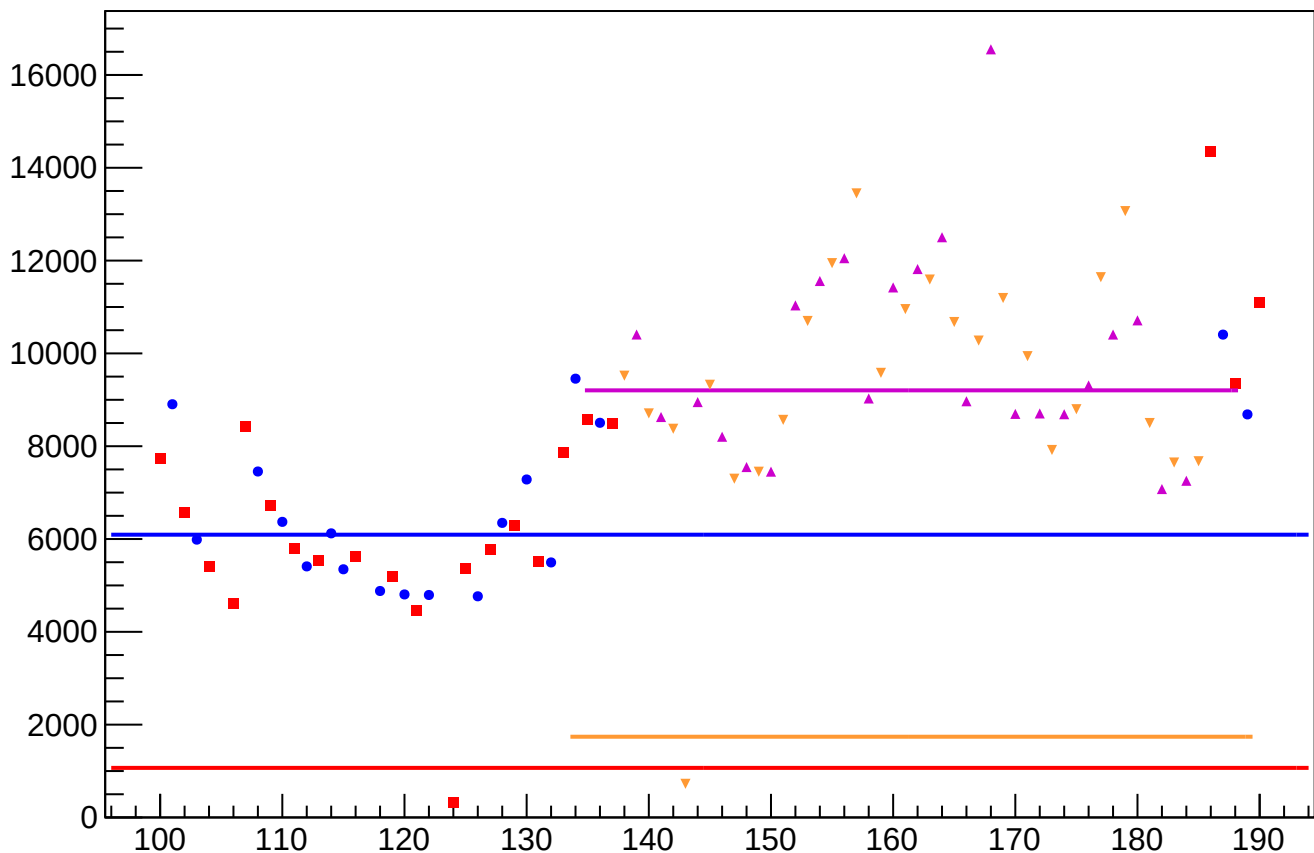
Left In: 209.655+/-2195.058 χ^2/NDF : 13.4/22

+ sign -1112.957+/-717.461 χ^2/NDF : 48.1/42

All: -688.658+/-508.986 χ^2/NDF : 90.4/87

- sign -258.746+/-722.192 χ^2/NDF : 41.6/44

asym_atl2_reg_correction_rms vs Slug



Right In: 6093.256+/-1.576 χ^2/NDF : 854028.5/17

Left Out: 1739.692+/-0.536 χ^2/NDF : 27734045.9/24

Right Out: 1068.295+/-0.541 χ^2/NDF : 14183326.6/21

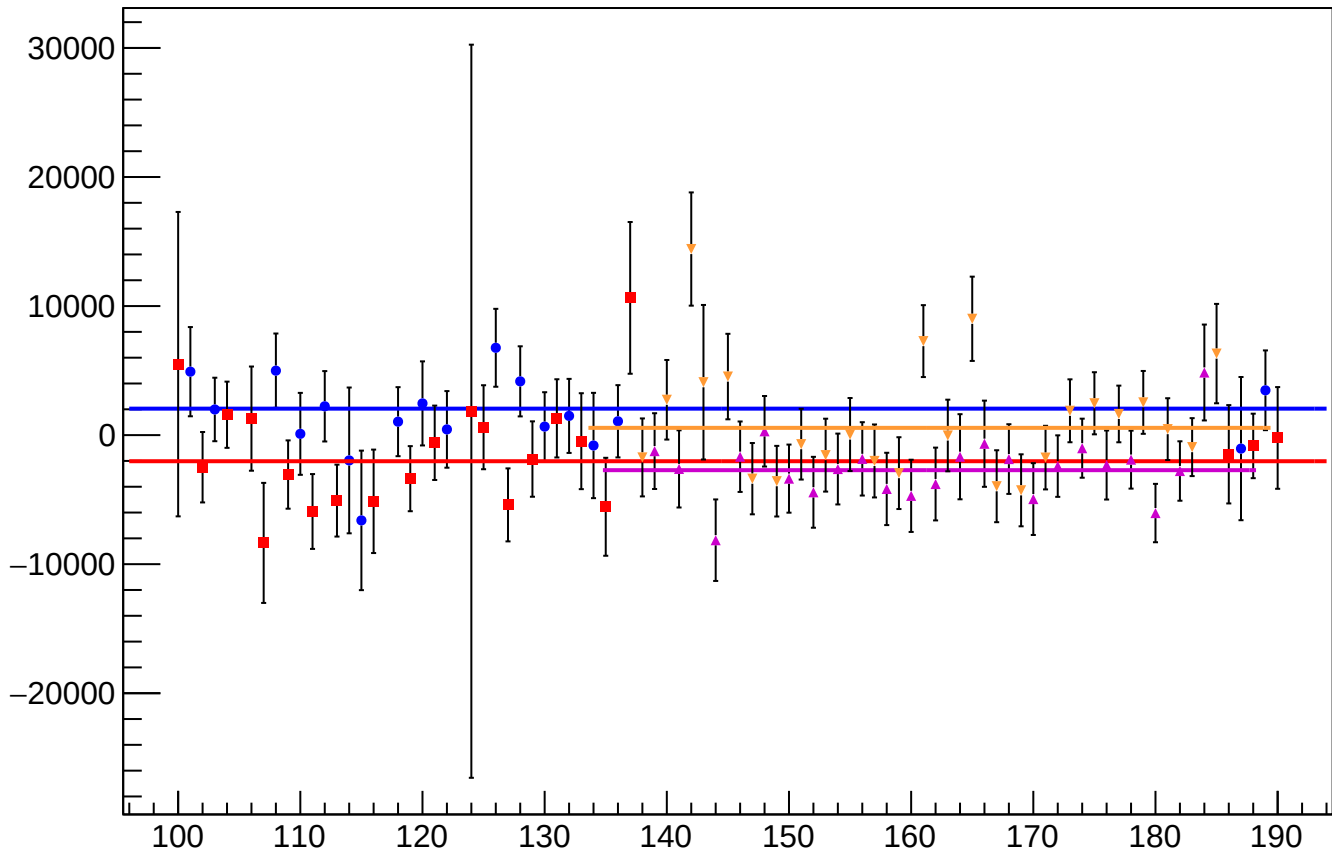
Left In: 9203.758+/-1.552 χ^2/NDF : 1272066.5/22

+ sign 2190.818+/-0.507 χ^2/NDF : 35428253.2/42

All: 2070.668+/-0.360 χ^2/NDF : 75495512.2/8

- sign 1948.929+/-0.511 χ^2/NDF : 39954338.5/44

cor_asym_atl2_mean vs Slug



Right In: 2051.100 $\pm$ 735.442 χ^2 /NDF: 10.1/17

Left Out: 562.392 $\pm$ 557.316 χ^2 /NDF:43.9/24

Right Out: -2022.977 $\pm$ 699.724 χ^2 /NDF: 18.7/21

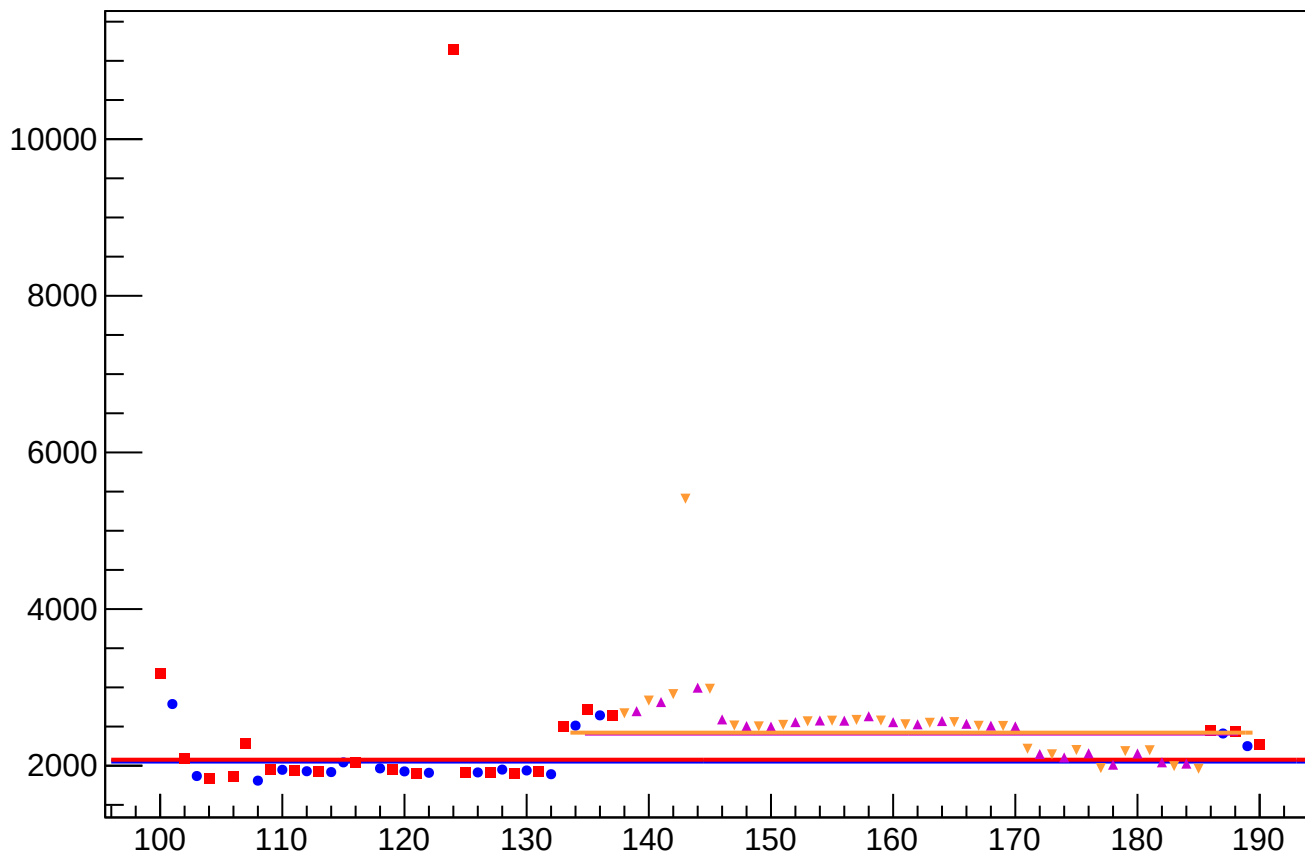
Left In: -2716.163 $\pm$ 566.202 χ^2 /NDF:14.3/22

+ sign 1105.443 $\pm$ 444.185 χ^2 /NDF: 56.7/42

All: -684.395 $\pm$ 312.650 χ^2 /NDF: 122.4/87

- sign -2441.878 $\pm$ 440.152 χ^2 /NDF: 33.5/44

cor_asym_atl2_rms vs Slug



Right In: 2053.020 ± 0.520 $\chi^2/\text{NDF}: 280655.5/17$

Left Out: 2422.152 ± 0.394 $\chi^2/\text{NDF}: 952857.9/24$

Right Out: 2076.757 ± 0.495 $\chi^2/\text{NDF}: 467607.3/21$

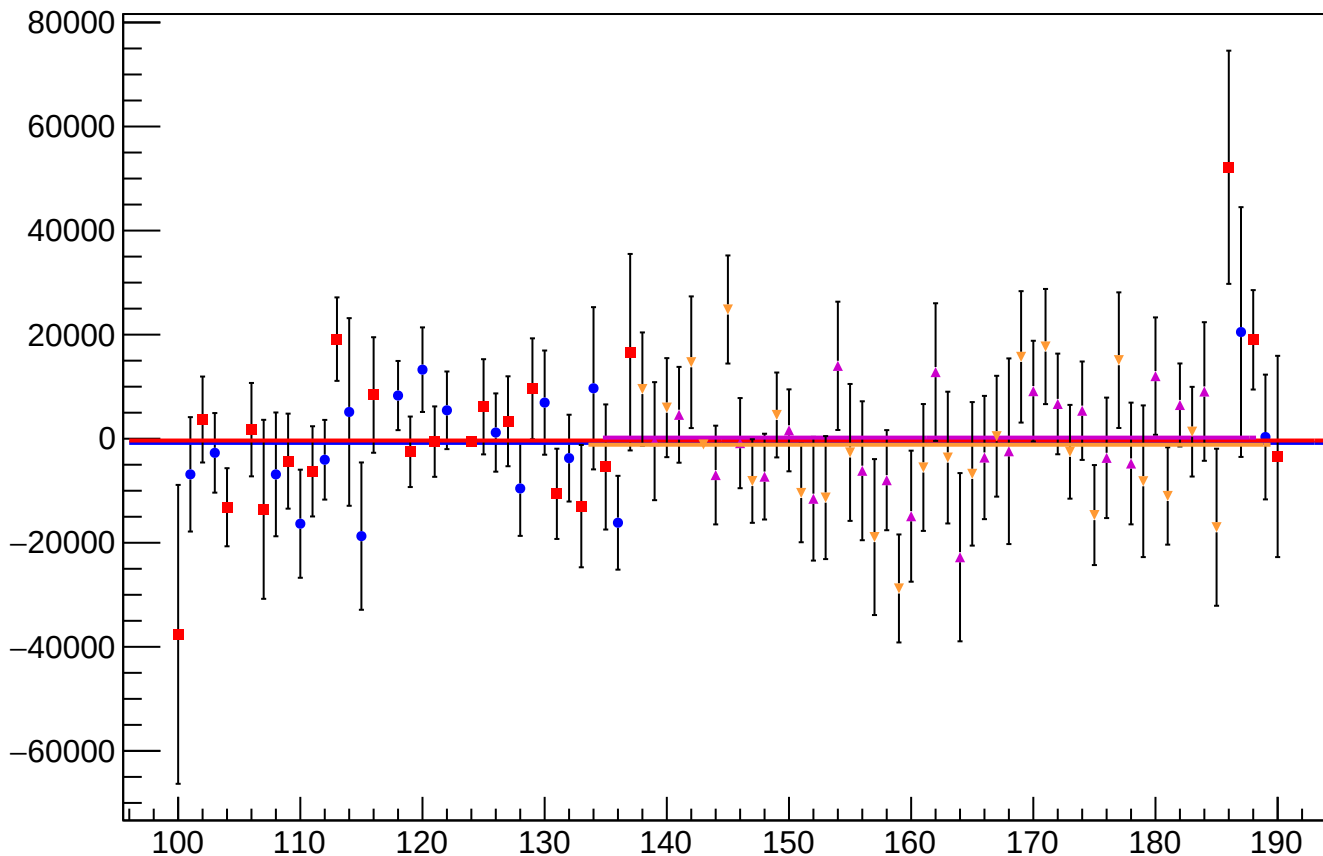
Left In: 2409.820 ± 0.400 $\chi^2/\text{NDF}: 428364.2/22$

+ sign 2287.500 ± 0.314 $\chi^2/\text{NDF}: 1553565.5/42$

All: 2282.722 ± 0.221 $\chi^2/\text{NDF}: 2723832.5/87$

- sign 2278.031 ± 0.311 $\chi^2/\text{NDF}: 1169808.4/44$

asym_atl2_cor_correction_mean vs Slug



Right In: -805.550 ± 2226.603 $\chi^2/\text{NDF}: 16.2/17$

Left Out: -1157.974 ± 757.732 $\chi^2/\text{NDF}: 31.9/24$

Right Out: -348.771 ± 764.434 $\chi^2/\text{NDF}: 27.7/21$

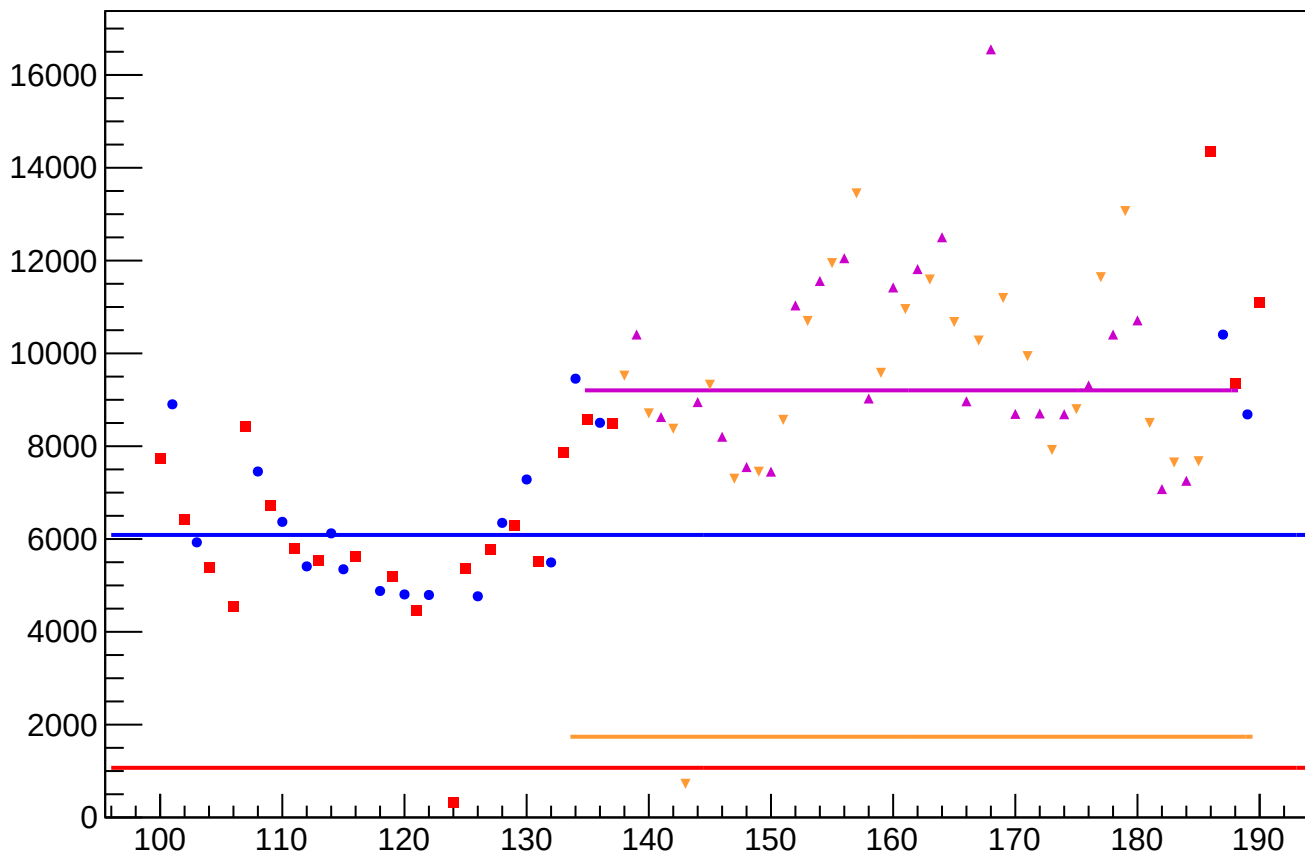
Left In: 209.500 ± 2195.055 $\chi^2/\text{NDF}: 13.4/22$

+ sign -1121.396 ± 717.333 $\chi^2/\text{NDF}: 48.1/42$

All: -707.541 ± 508.841 $\chi^2/\text{NDF}: 90.0/87$

- sign -288.387 ± 721.910 $\chi^2/\text{NDF}: 41.2/44$

asym_atl2_cor_correction_rms vs Slug



Right In: 6088.054+/-1.574 χ^2/NDF : 854443.1/17

Left Out: 1739.457+/-0.536 χ^2/NDF : 27735092.1/24

Right Out: 1069.933+/-0.541 χ^2/NDF : 14178506.0/21

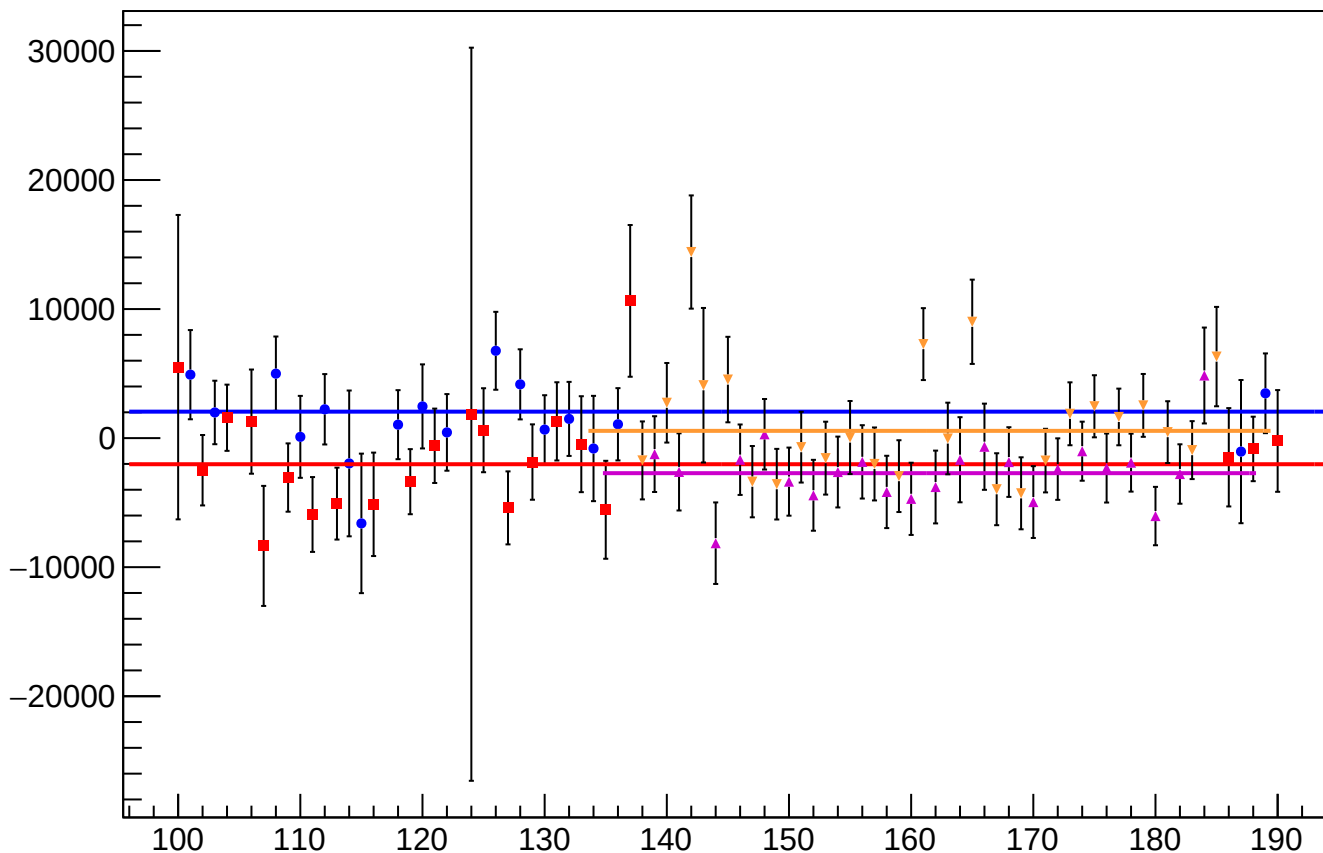
Left In: 9203.744+/-1.552 χ^2/NDF : 1272079.0/22

+ sign 2190.799+/-0.507 χ^2/NDF : 35426329.0/42

All: 2071.018+/-0.360 χ^2/NDF : 75480533.0/8

- sign 1949.703+/-0.510 χ^2/NDF : 39941959.0/44

eigen_cor_asym_atl2_mean vs Slug



Right In: 2051.100 $\pm$ 735.442 χ^2 /NDF: 10.1/17

Left Out: 562.392 $\pm$ 557.316 χ^2 /NDF:43.9/24

Right Out: -2022.977 $\pm$ 699.724 χ^2 /NDF: 18.7/21

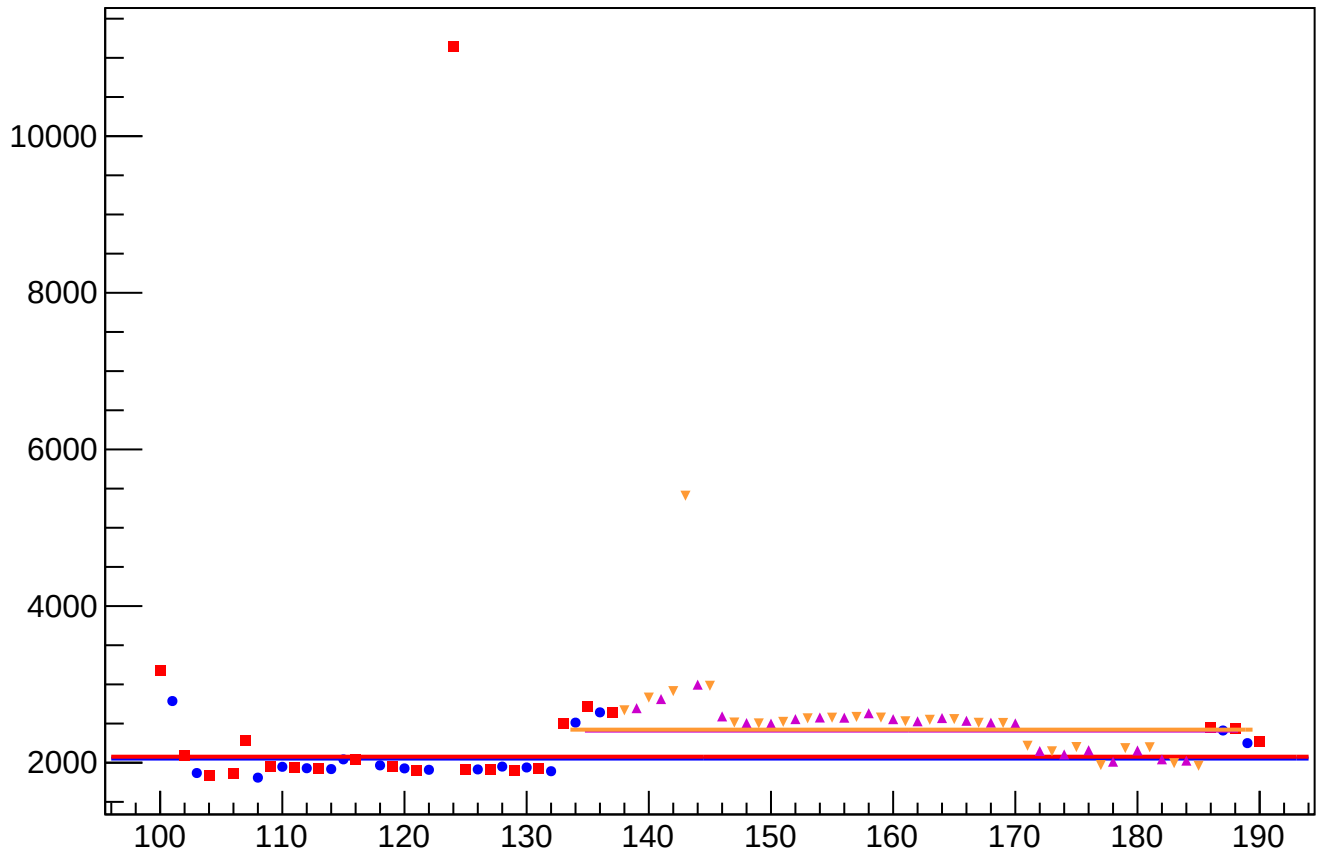
Left In: -2716.163 $\pm$ 566.202 χ^2 /NDF:14.3/22

+ sign 1105.443 $\pm$ 444.185 χ^2 /NDF: 56.7/42

All: -684.395 $\pm$ 312.650 χ^2 /NDF: 122.4/87

- sign -2441.878 $\pm$ 440.152 χ^2 /NDF: 33.5/44

eigen_cor_asym_atl2_rms vs Slug



Right In: 2053.020+/-0.520 χ^2/NDF : 280655.5/17

Left Out: 2422.152+/-0.394 χ^2/NDF : 952857.9/24

Right Out: 2076.757+/-0.495 χ^2/NDF : 467607.3/21

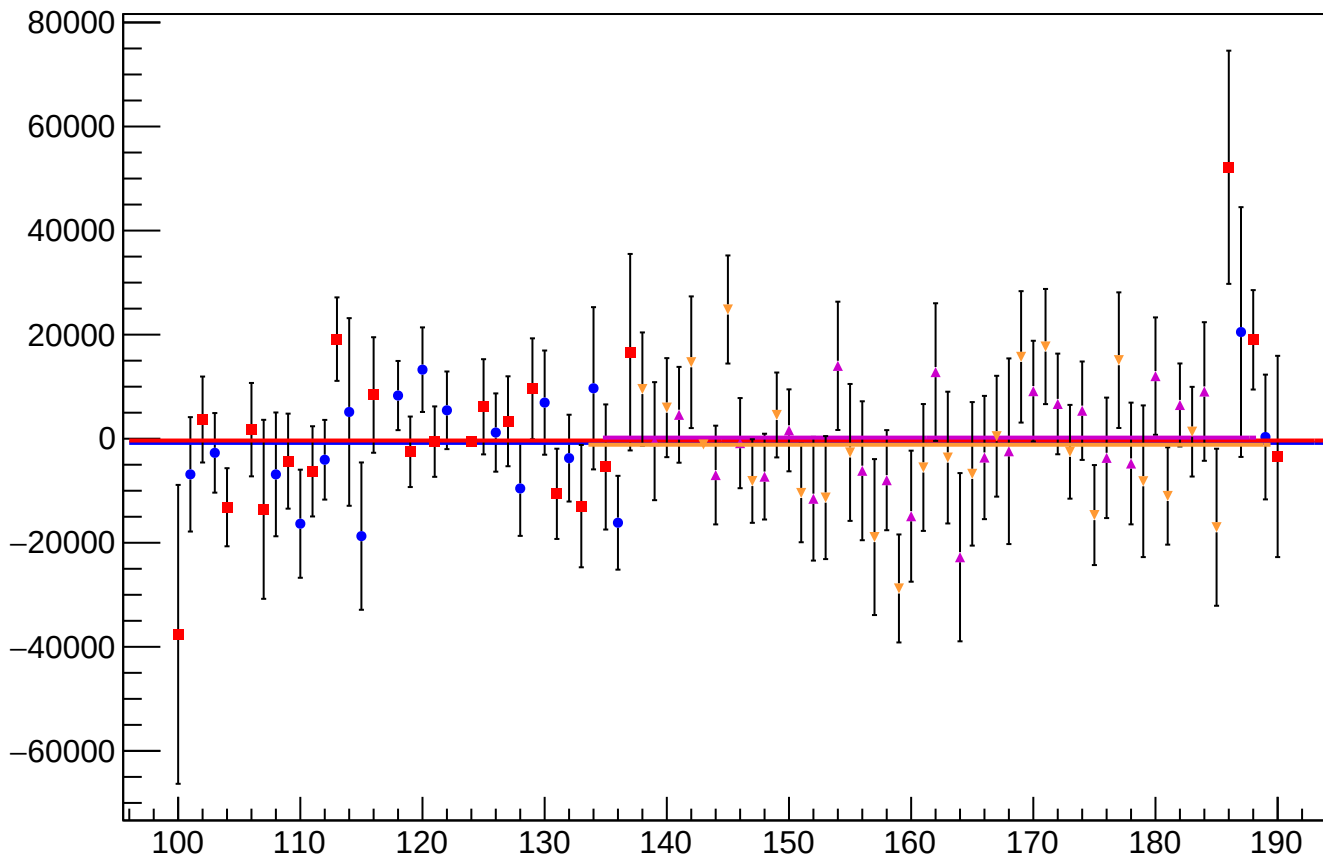
Left In: 2409.820+/-0.400 χ^2/NDF : 428364.2/22

+ sign 2287.500+/-0.314 χ^2/NDF : 1553565.5/42

All: 2282.722+/-0.221 χ^2/NDF : 2723832.5/87

- sign 2278.031+/-0.311 χ^2/NDF : 1169808.4/44

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -805.550 ± 2226.603 $\chi^2/\text{NDF}: 16.2/17$

Left Out: -1157.974 ± 757.732 $\chi^2/\text{NDF}: 31.9/24$

Right Out: -348.771 ± 764.434 $\chi^2/\text{NDF}: 27.7/21$

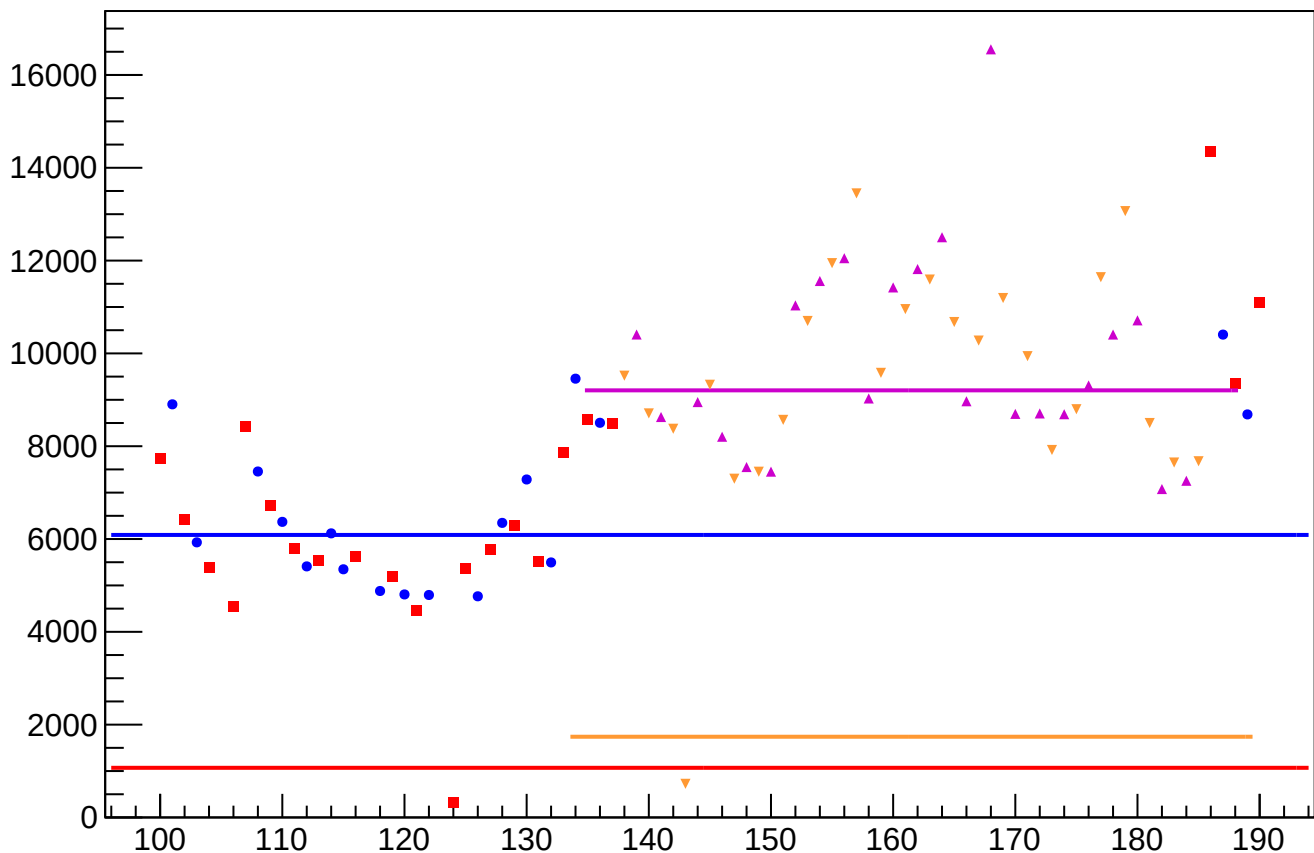
Left In: 209.500 ± 2195.055 $\chi^2/\text{NDF}: 13.4/22$

+ sign -1121.396 ± 717.333 $\chi^2/\text{NDF}: 48.1/42$

All: -707.541 ± 508.841 $\chi^2/\text{NDF}: 90.0/87$

- sign -288.387 ± 721.910 $\chi^2/\text{NDF}: 41.2/44$

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6088.054+/-1.574 χ^2/NDF : 854443.1/17

Left Out: 1739.457+/-0.536 χ^2/NDF : 27735092.1/24

Right Out: 1069.933+/-0.541 χ^2/NDF : 14178506.0/21

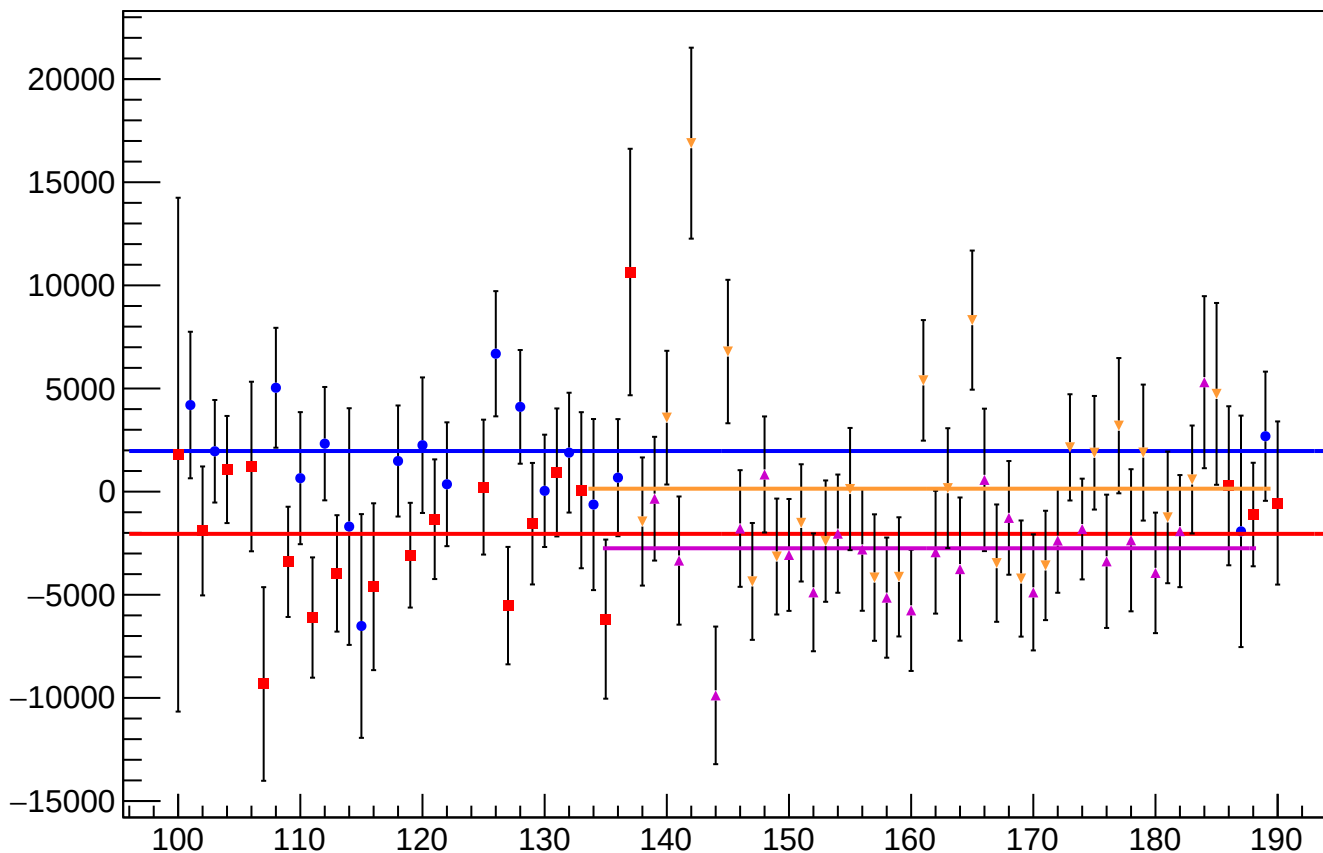
Left In: 9203.744+/-1.552 χ^2/NDF : 1272079.0/22

+ sign 2190.799+/-0.507 χ^2/NDF : 35426329.0/42

All: 2071.018+/-0.360 χ^2/NDF : 75480533.0/8

- sign 1949.703+/-0.510 χ^2/NDF : 39941959.0/44

dit_asym_atl2_mean vs Slug



Right In: 1968.963 ± 744.332 $\chi^2/\text{NDF}: 9.5/17$

Left Out: 142.497 ± 615.731 $\chi^2/\text{NDF}: 45.8/23$

Right Out: -2047.167 ± 712.297 $\chi^2/\text{NDF}: 17.4/20$

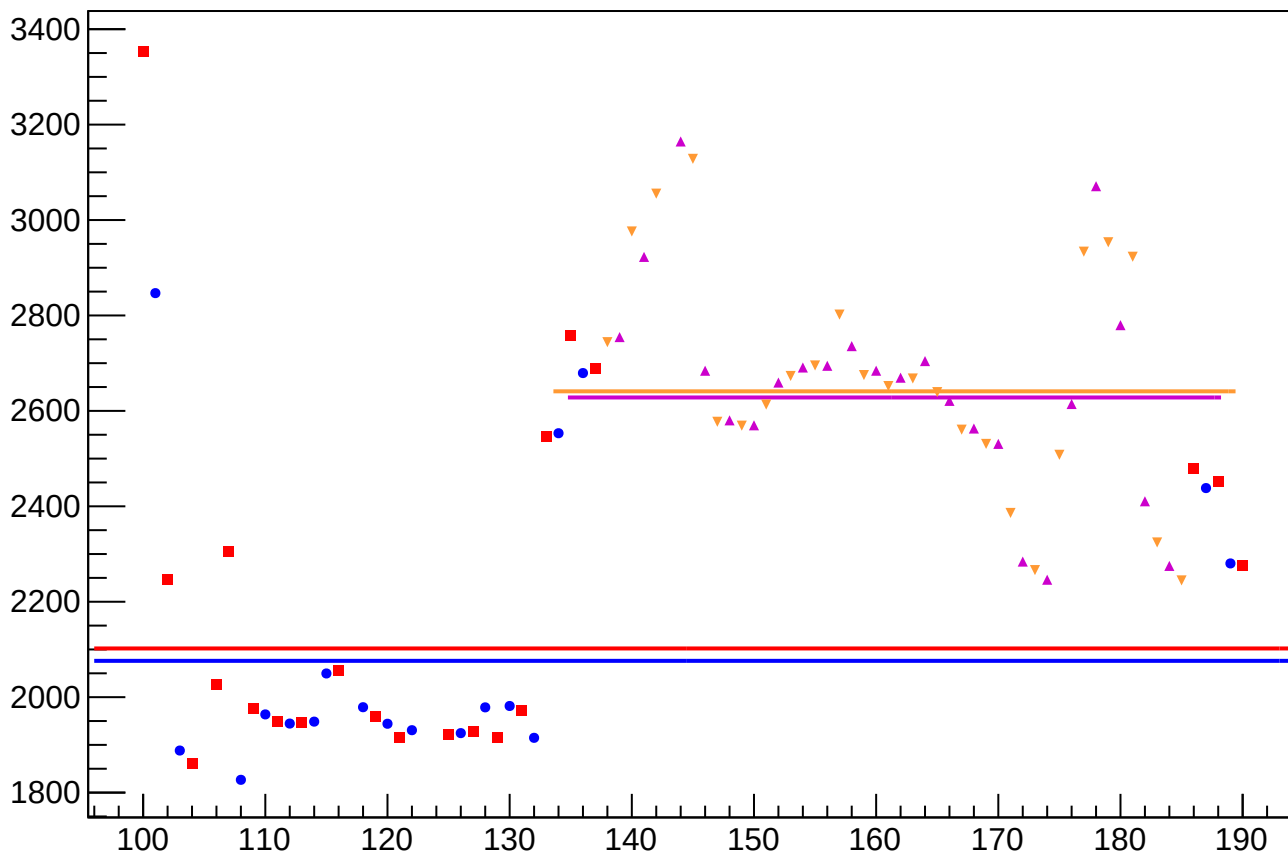
Left In: -2745.982 ± 616.123 $\chi^2/\text{NDF}: 15.4/22$

+ sign 884.558 ± 474.439 $\chi^2/\text{NDF}: 58.9/41$

All: -811.116 ± 332.450 $\chi^2/\text{NDF}: 117.4/85$

- sign -2446.903 ± 465.986 $\chi^2/\text{NDF}: 33.4/43$

dit_asym_atl2_rms vs Slug



Right In: 2076.134+/-0.526 χ^2/NDF : 288535.0/17

Left Out: 2640.990+/-0.435 χ^2/NDF : 253402.6/23

Right Out: 2102.092+/-0.503 χ^2/NDF : 268697.2/20

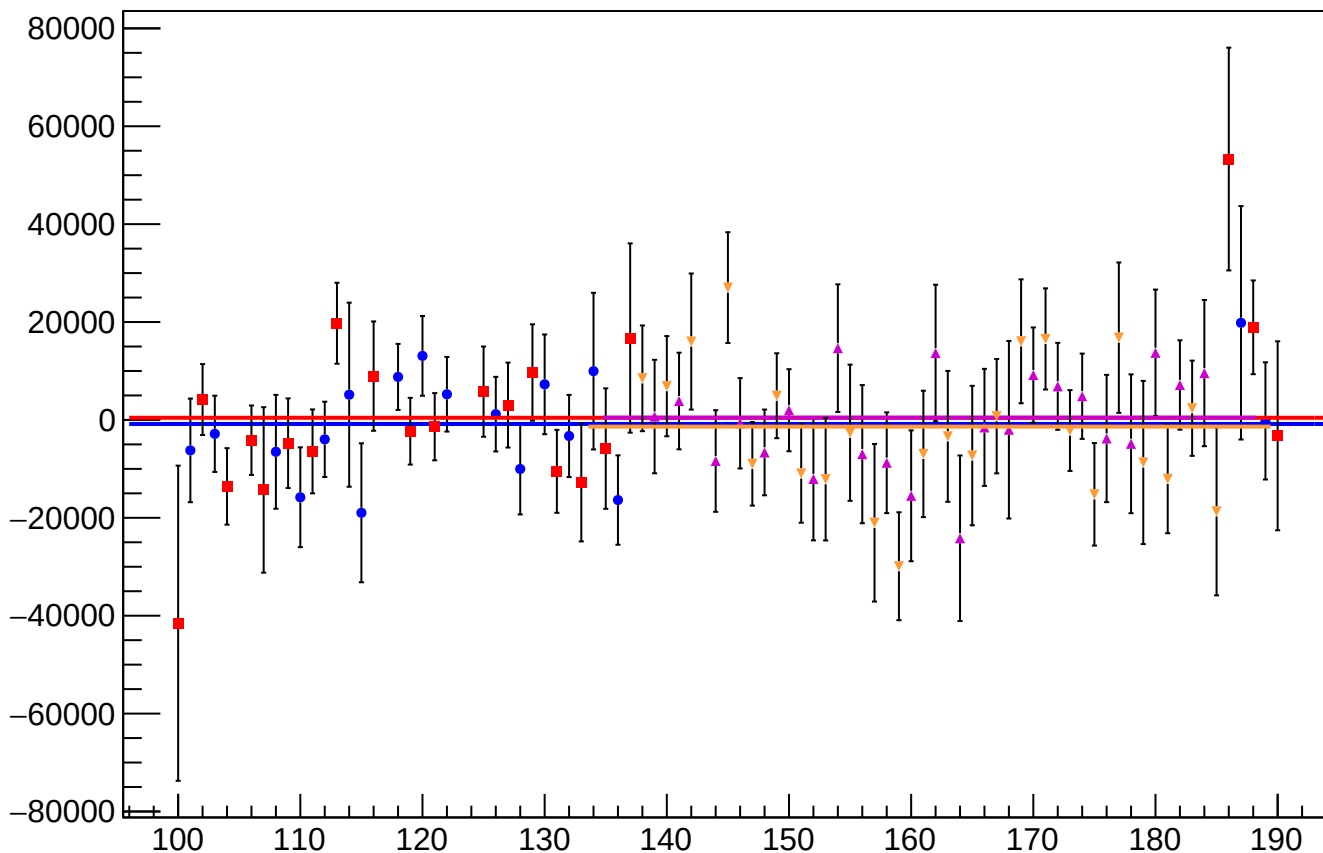
Left In: 2628.113+/-0.436 χ^2/NDF : 237507.6/22

+ sign 2411.499+/-0.335 χ^2/NDF : 1225774.2/41

All: 2406.995+/-0.235 χ^2/NDF : 2357167.6/85

- sign 2402.655+/-0.329 χ^2/NDF : 1131039.4/43

asym_atl2_dit_correction_mean vs Slug



Right In: -828.006 ± 2243.625 $\chi^2/\text{NDF}: 16.1/17$

Left Out: -1366.840 ± 2326.289 $\chi^2/\text{NDF}: 31.3/23$

Right Out: 439.702 ± 2077.590 $\chi^2/\text{NDF}: 27.9/20$

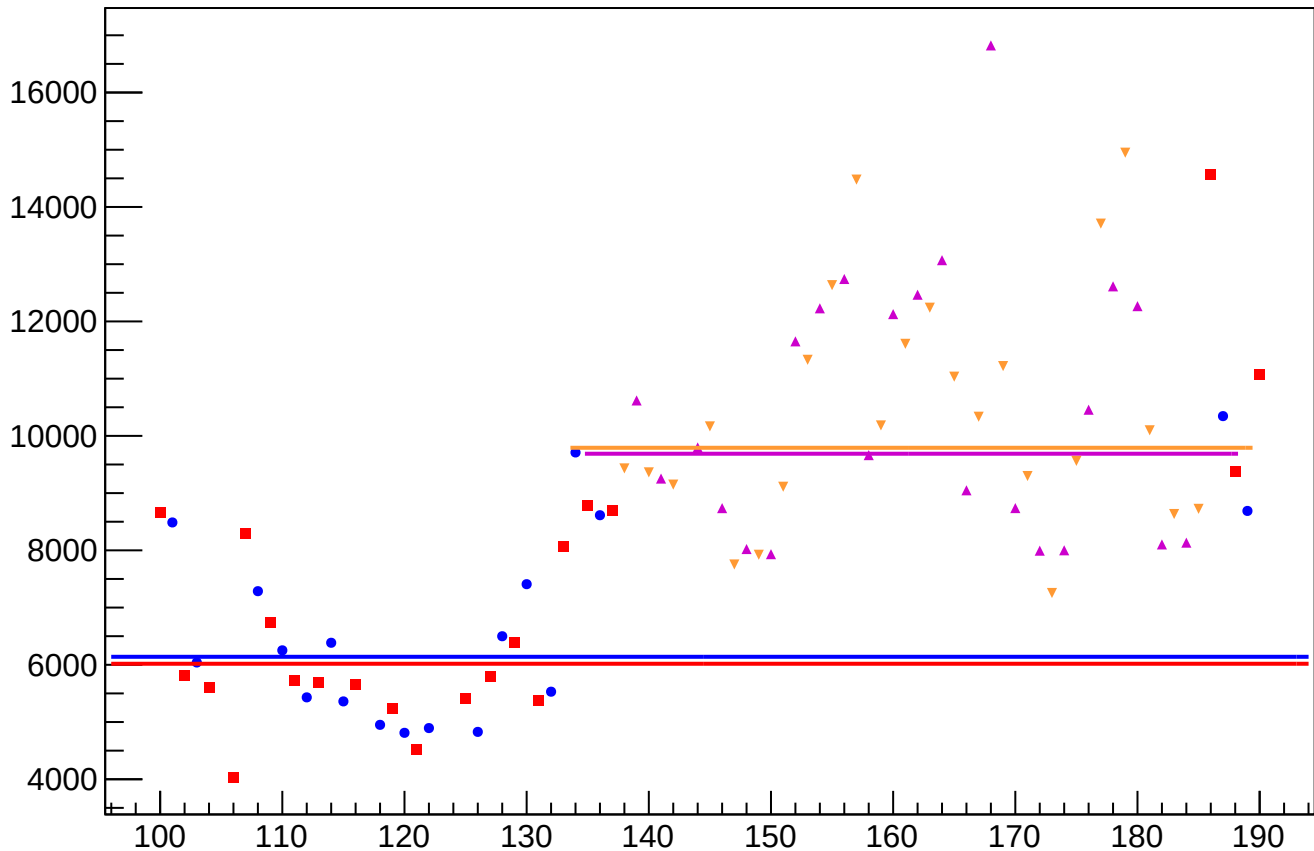
Left In: 463.775 ± 2314.478 $\chi^2/\text{NDF}: 13.1/22$

+ sign -1087.680 ± 1614.916 $\chi^2/\text{NDF}: 47.4/41$

All: -285.132 ± 1116.781 $\chi^2/\text{NDF}: 88.8/85$

- sign 450.444 ± 1546.066 $\chi^2/\text{NDF}: 41.0/43$

asym_atl2_dit_correction_rms vs Slug



Right In: 6139.916+/-1.586 χ^2/NDF : 813446.3/17

Left Out: 9792.234+/-1.645 χ^2/NDF : 1219062.5/23

Right Out: 6018.165+/-1.469 χ^2/NDF : 1241316.2/20

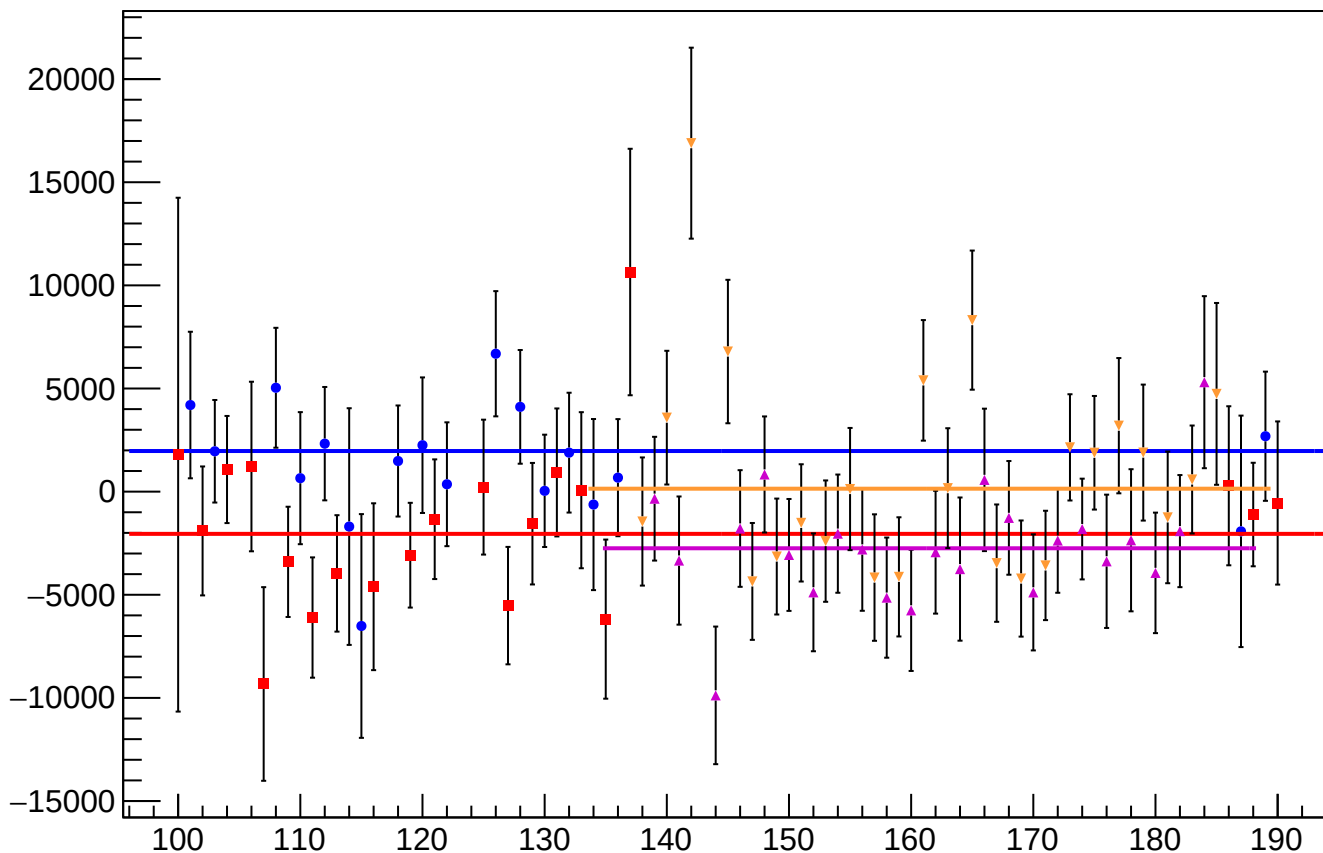
Left In: 9688.179+/-1.637 χ^2/NDF : 1378173.6/22

+ sign 7900.031+/-1.142 χ^2/NDF : 4586614.6/41

All: 7772.599+/-0.790 χ^2/NDF : 10014783.4/8

- sign 7655.802+/-1.093 χ^2/NDF : 5404301.5/43

eigen_dit_asym_atl2_mean vs Slug



Right In: 1968.968 ± 744.332 χ^2/NDF : 9.5/17

Left Out: 142.487 ± 615.732 χ^2/NDF : 45.8/23

Right Out: -2047.172 ± 712.297 χ^2/NDF : 17.4/20

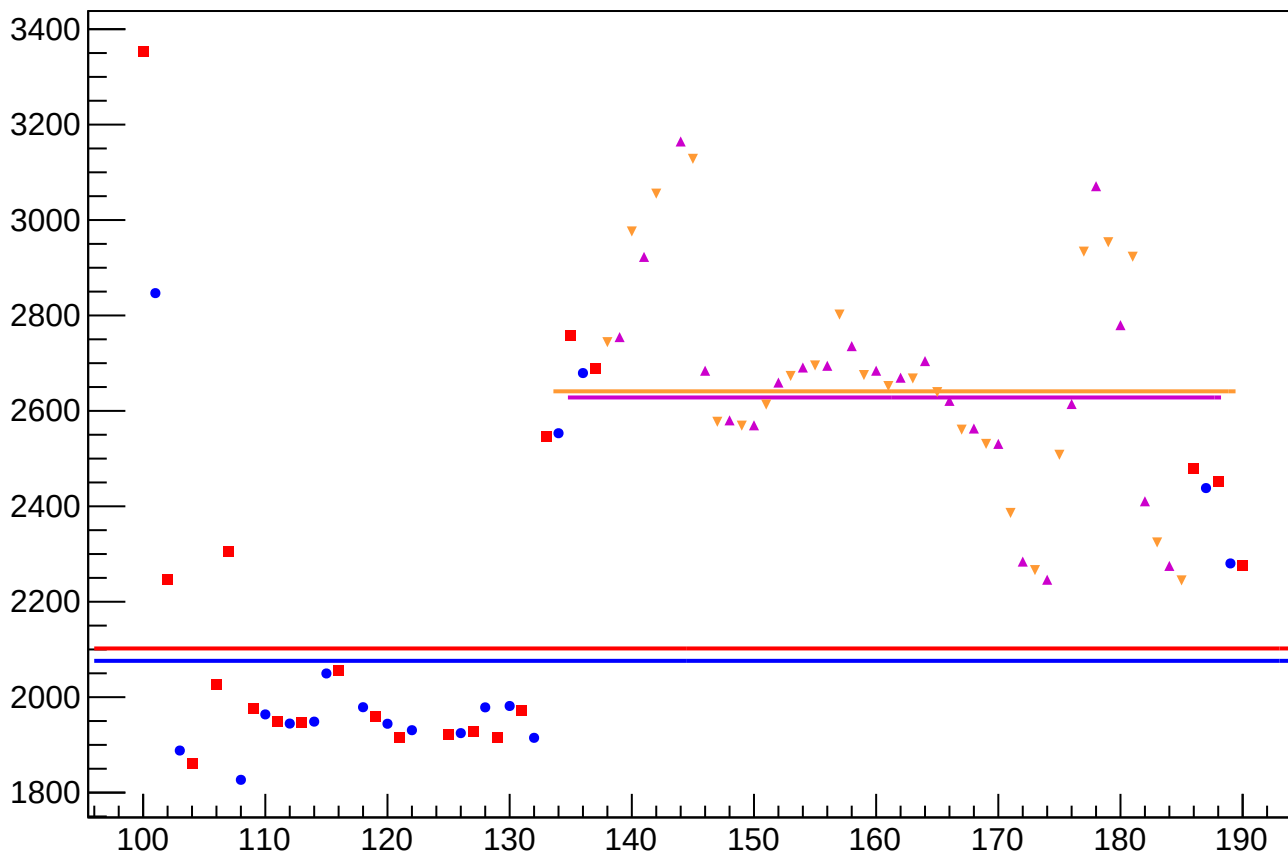
Left In: -2745.980 ± 616.124 χ^2/NDF : 15.4/22

+ sign 884.556 ± 474.440 χ^2/NDF : 58.9/41

All: -811.118 ± 332.451 χ^2/NDF : 117.4/85

- sign -2446.903 ± 465.986 χ^2/NDF : 33.4/43

eigen_dit_asym_atl2_rms vs Slug



Right In: 2076.134+/-0.526 χ^2/NDF : 288534.8/17

Left Out: 2640.993+/-0.435 χ^2/NDF : 253411.8/23

Right Out: 2102.092+/-0.503 χ^2/NDF : 268697.1/20

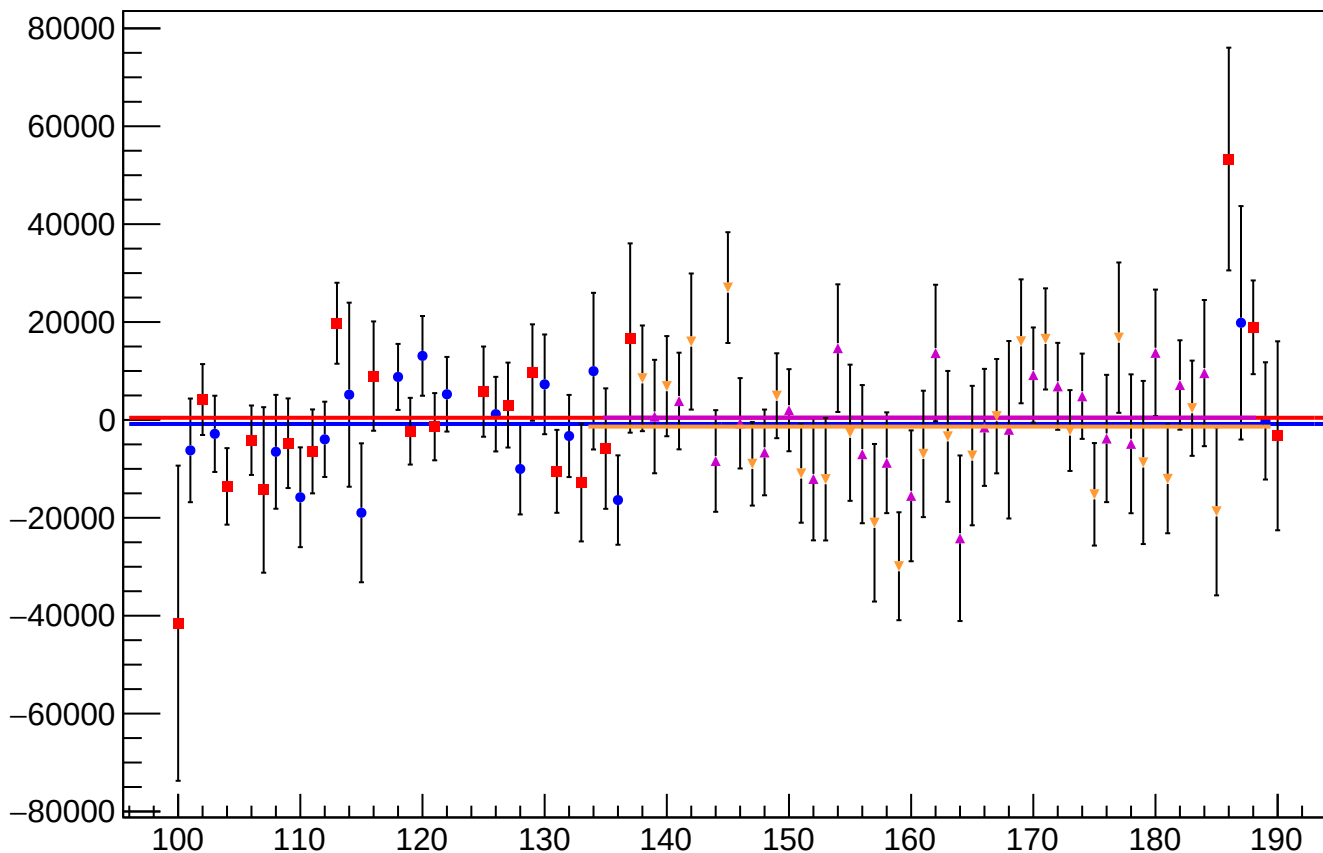
Left In: 2628.116+/-0.436 χ^2/NDF : 237516.8/22

+ sign 2411.500+/-0.335 χ^2/NDF : 1225788.3/41

All: 2406.996+/-0.235 χ^2/NDF : 2357196.3/85

- sign 2402.656+/-0.329 χ^2/NDF : 1131054.1/43

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -827.997 ± 2243.619 $\chi^2/\text{NDF}: 16.1/17$

Left Out: -1366.849 ± 2326.293 $\chi^2/\text{NDF}: 31.3/23$

Right Out: 439.690 ± 2077.584 $\chi^2/\text{NDF}: 27.9/20$

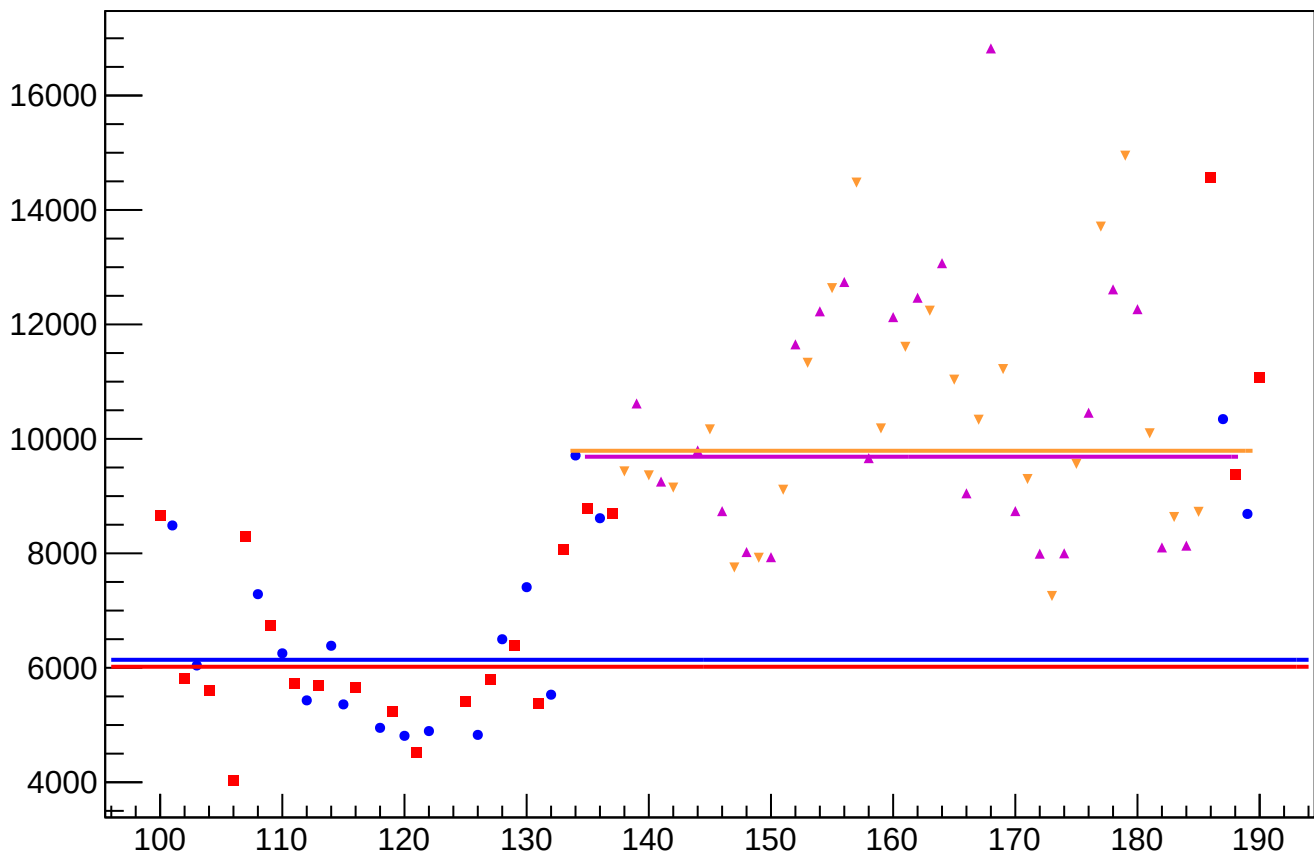
Left In: 463.777 ± 2314.482 $\chi^2/\text{NDF}: 13.1/22$

+ sign -1087.678 ± 1614.915 $\chi^2/\text{NDF}: 47.4/41$

All: -285.134 ± 1116.780 $\chi^2/\text{NDF}: 88.8/85$

- sign 450.438 ± 1546.065 $\chi^2/\text{NDF}: 41.0/43$

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6139.896+/-1.586 χ^2 /NDF: 813456.6/17

Left Out: 9792.251+/-1.645 χ^2 /NDF:1219062.8/23

Right Out: 6018.147+/-1.469 χ^2 /NDF: 1241324.8/20

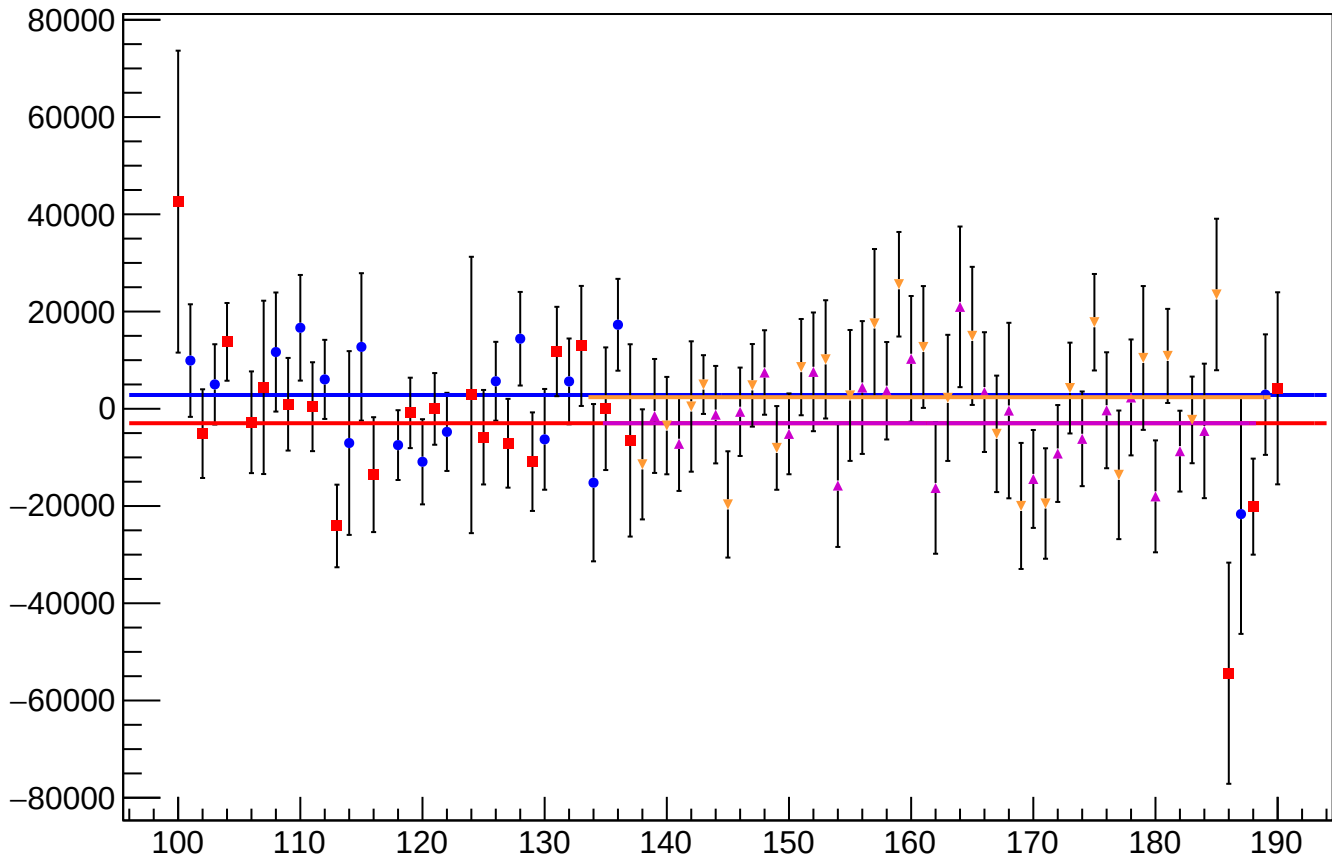
Left In: 9688.194+/-1.637 χ^2 /NDF:1378175.1/22

+ sign 7900.020+/-1.142 χ^2 /NDF: 4586679.0/41

All: 7772.589+/-0.790 χ^2 /NDF: 10014909.5/8

- sign 7655.791+/-1.093 χ^2 /NDF: 5404363.2/43

asym_atl2_mean vs Slug



Right In: 2836.945 $\pm$ 2364.870 χ^2 /NDF: 15.9/17

Left Out: 2387.857 $\pm$ 2136.530 χ^2 /NDF:29.7/24

Right Out: -2968.760 $\pm$ 2247.221 χ^2 /NDF: 27.8/21

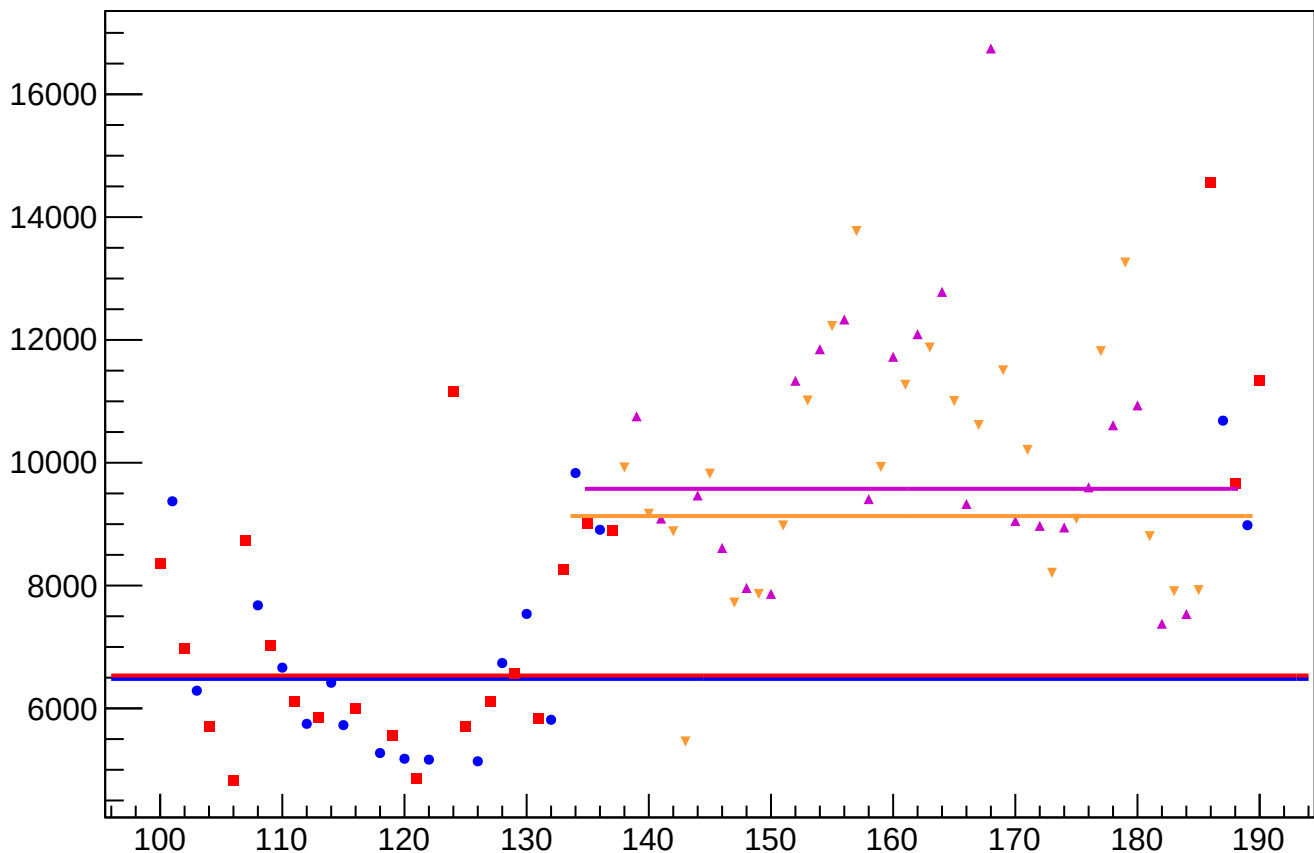
Left In: -2963.537 $\pm$ 2278.927 χ^2 /NDF:13.0/22

+ sign 2589.679 $\pm$ 1585.351 χ^2 /NDF: 45.6/42

All: -162.500 $\pm$ 1126.197 χ^2 /NDF: 92.5/87

- sign -2966.185 $\pm$ 1600.117 χ^2 /NDF: 40.8/44

asym_atl2_rms vs Slug



Right In: 6479.833+/-1.672 χ^2 /NDF: 767336.3/17

Left Out: 9131.714+/-1.511 χ^2 /NDF:1811661.2/24

Right Out: 6534.970+/-1.589 χ^2 /NDF: 1079179.4/21

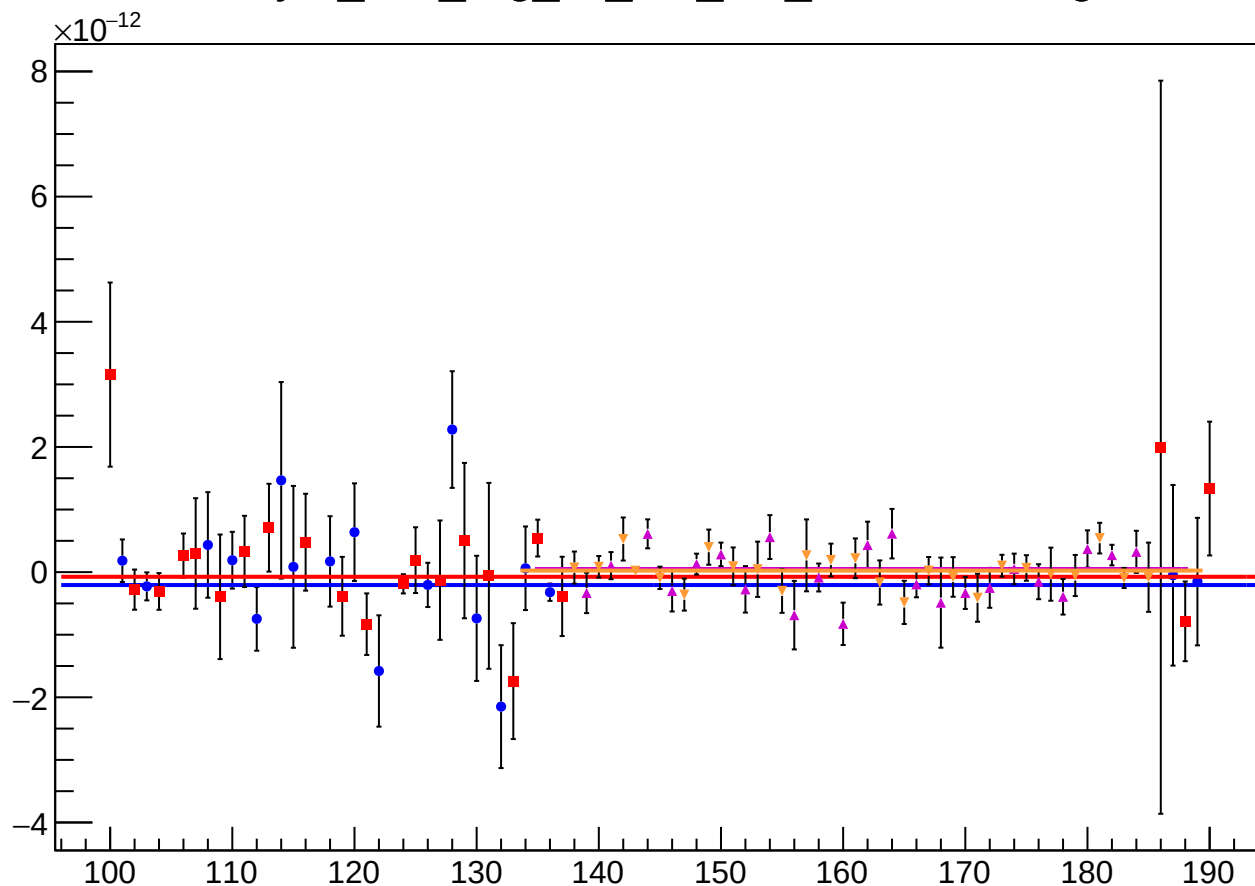
Left In: 9575.233+/-1.611 χ^2 /NDF:1153802.3/22

+ sign 7939.947+/-1.121 χ^2 /NDF: 3963704.1/42

All: 7986.439+/-0.796 χ^2 /NDF: 8004855.7/87

- sign 8033.802+/-1.131 χ^2 /NDF: 4037679.3/44

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.0/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 17.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 24.0/21

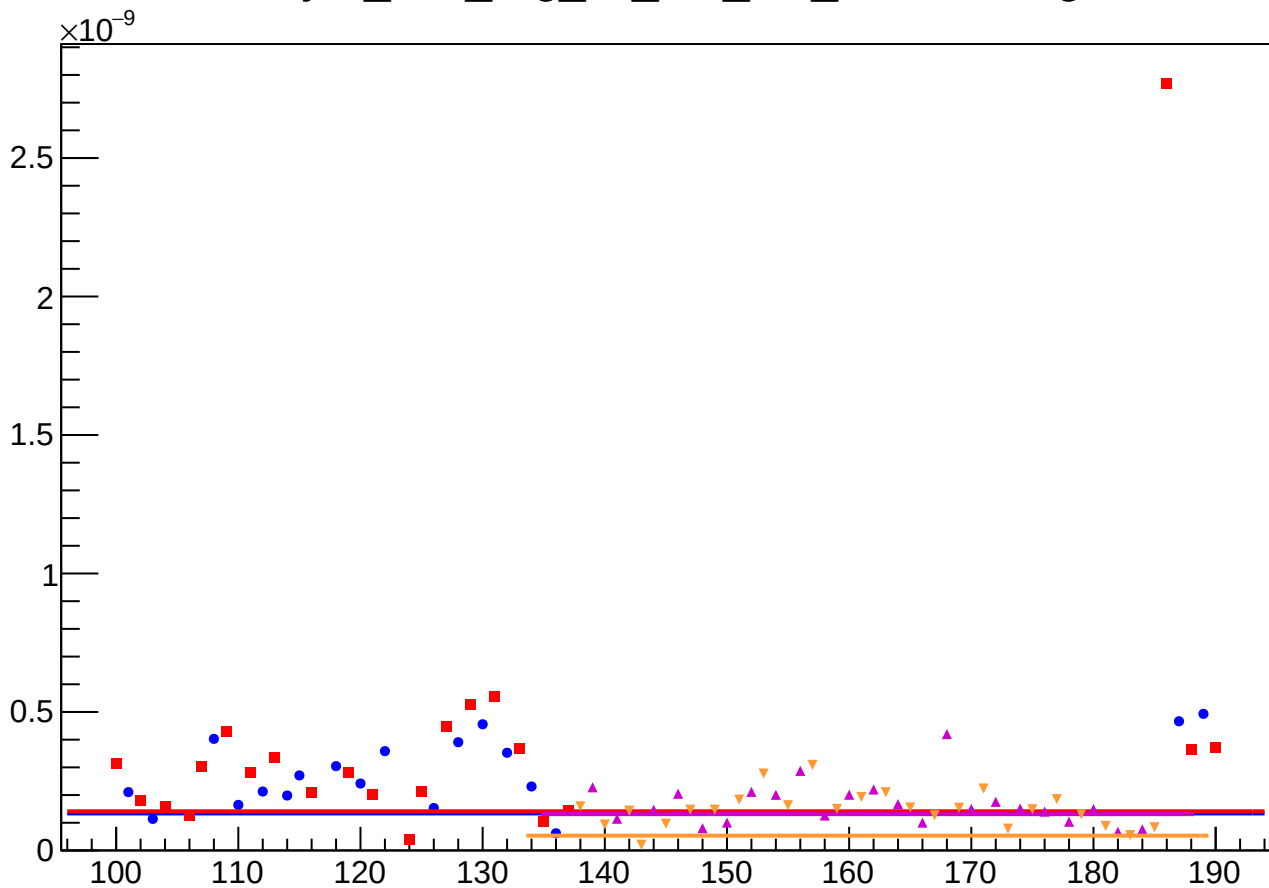
Left In: 0.000 ± 0.000 χ^2/NDF : 36.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 44.3/42

All: 0.000 ± 0.000 χ^2/NDF : 106.4/87

- sign 0.000 ± 0.000 χ^2/NDF : 62.1/44

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2080449.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 7244510.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3054122.3/21

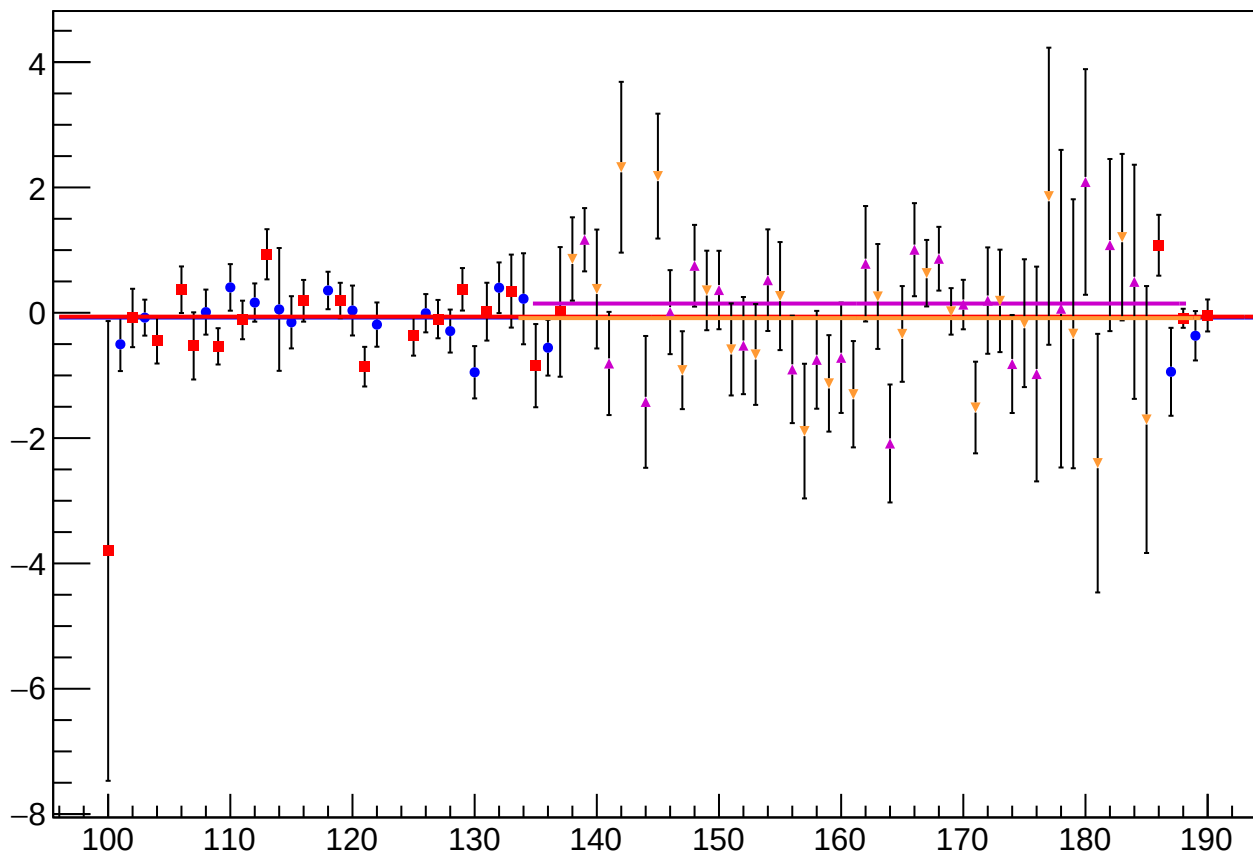
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1904207.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 10631398.0/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 19121019.5/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4976386.5/44

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.076 ± 0.090 χ^2/NDF : 15.3/17

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.062 ± 0.073 χ^2/NDF : 30.9/20

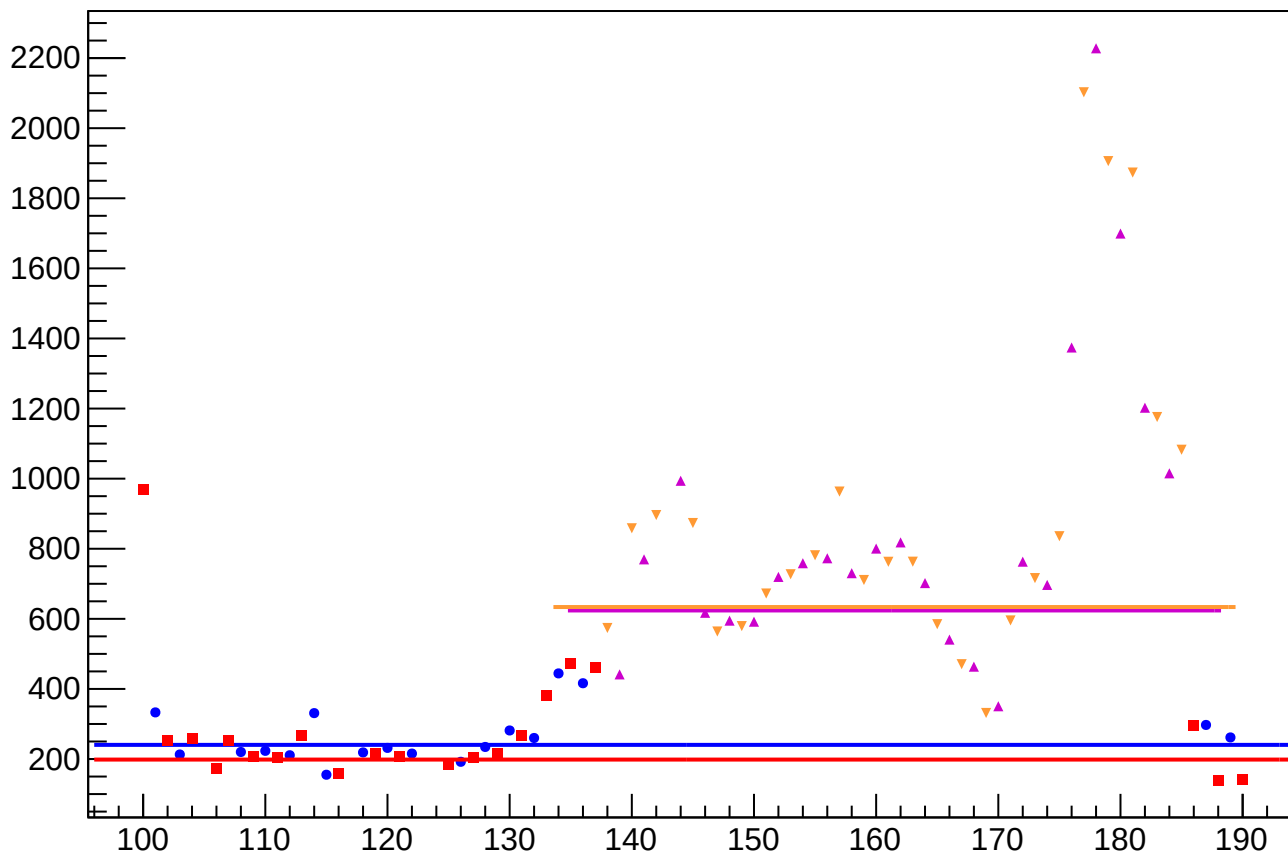
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.078 ± 0.079 χ^2/NDF : 45.5/41

All: -0.047 ± 0.051 χ^2/NDF : 104.6/85

- sign -0.025 ± 0.066 χ^2/NDF : 58.8/43

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 240.383 ± 0.064 χ^2/NDF : 827258.4/17

Left Out: 633.674 ± 0.114 χ^2/NDF : 4994105.8/23

Right Out: 198.439 ± 0.052 χ^2/NDF : 1515413.5/20

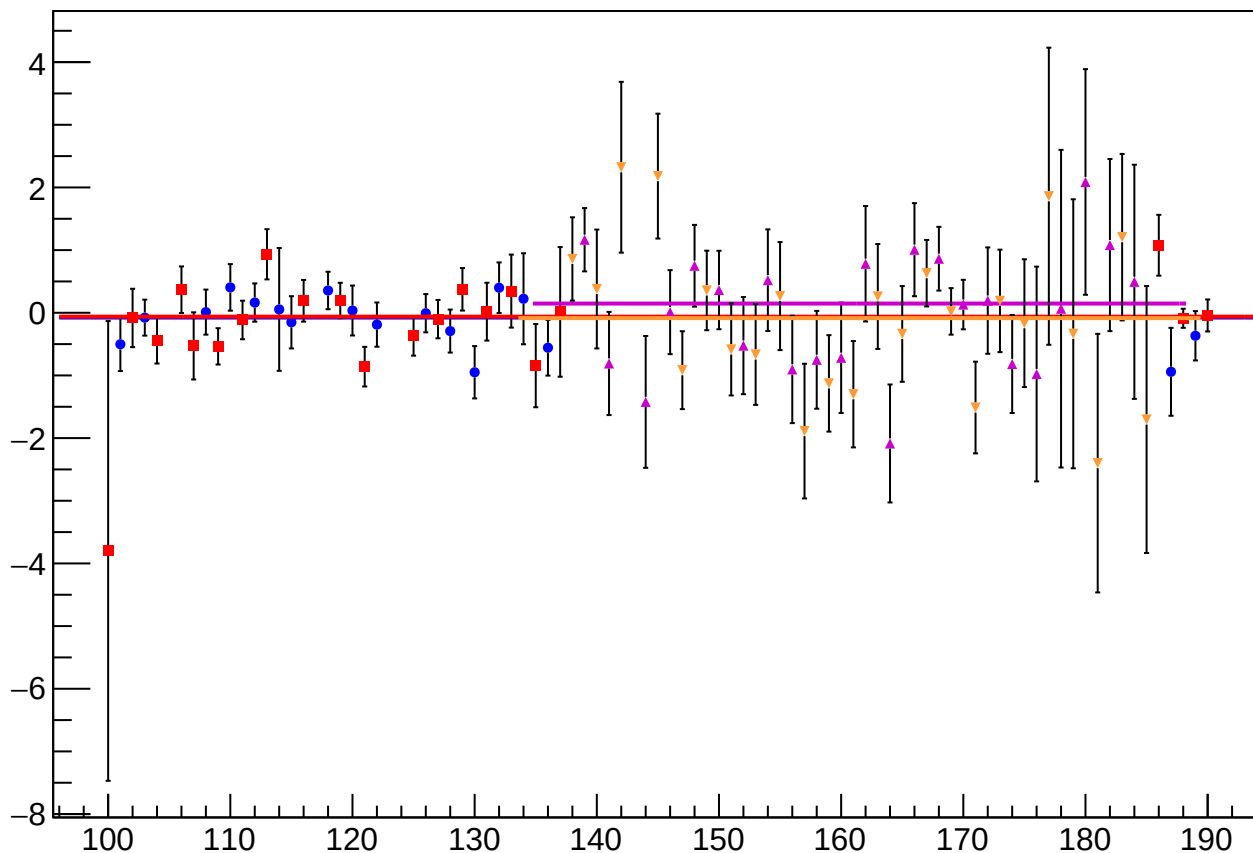
Left In: 623.916 ± 0.112 χ^2/NDF : 4541431.8/22

+ sign 334.409 ± 0.056 χ^2/NDF : 14854166.0/41

All: 298.829 ± 0.036 χ^2/NDF : 33515761.3/85

- sign 273.582 ± 0.047 χ^2/NDF : 17966842.3/43

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076 ± 0.090 χ^2/NDF : 15.3/17

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.062 ± 0.073 χ^2/NDF : 30.9/20

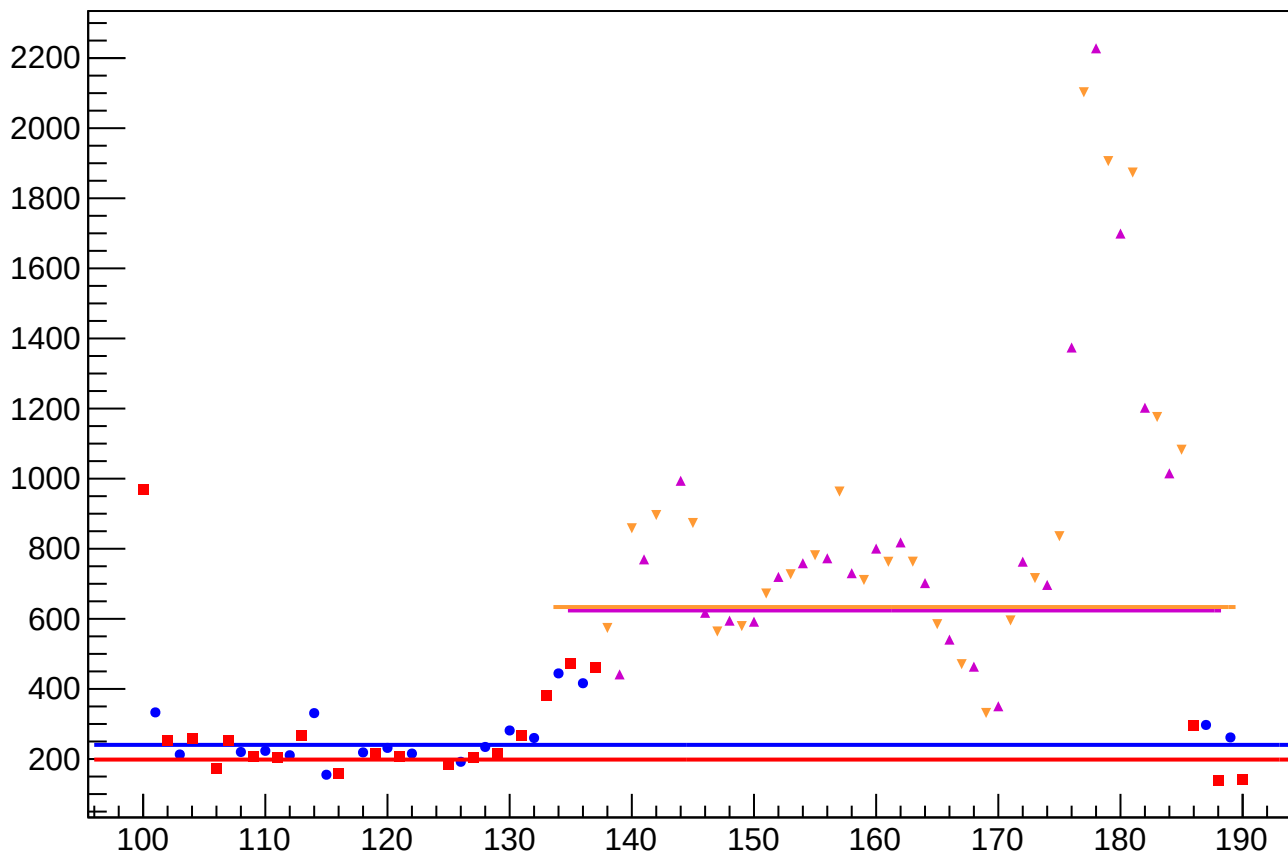
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.078 ± 0.079 χ^2/NDF : 45.5/41

All: -0.047 ± 0.051 χ^2/NDF : 104.6/85

- sign -0.025 ± 0.066 χ^2/NDF : 58.8/43

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 240.383 $\pm$ 0.064 χ^2 /NDF: 827258.4/17

Left Out: 633.674 $\pm$ 0.114 χ^2 /NDF:4994105.8/23

Right Out: 198.439 $\pm$ 0.052 χ^2 /NDF: 1515413.5/20

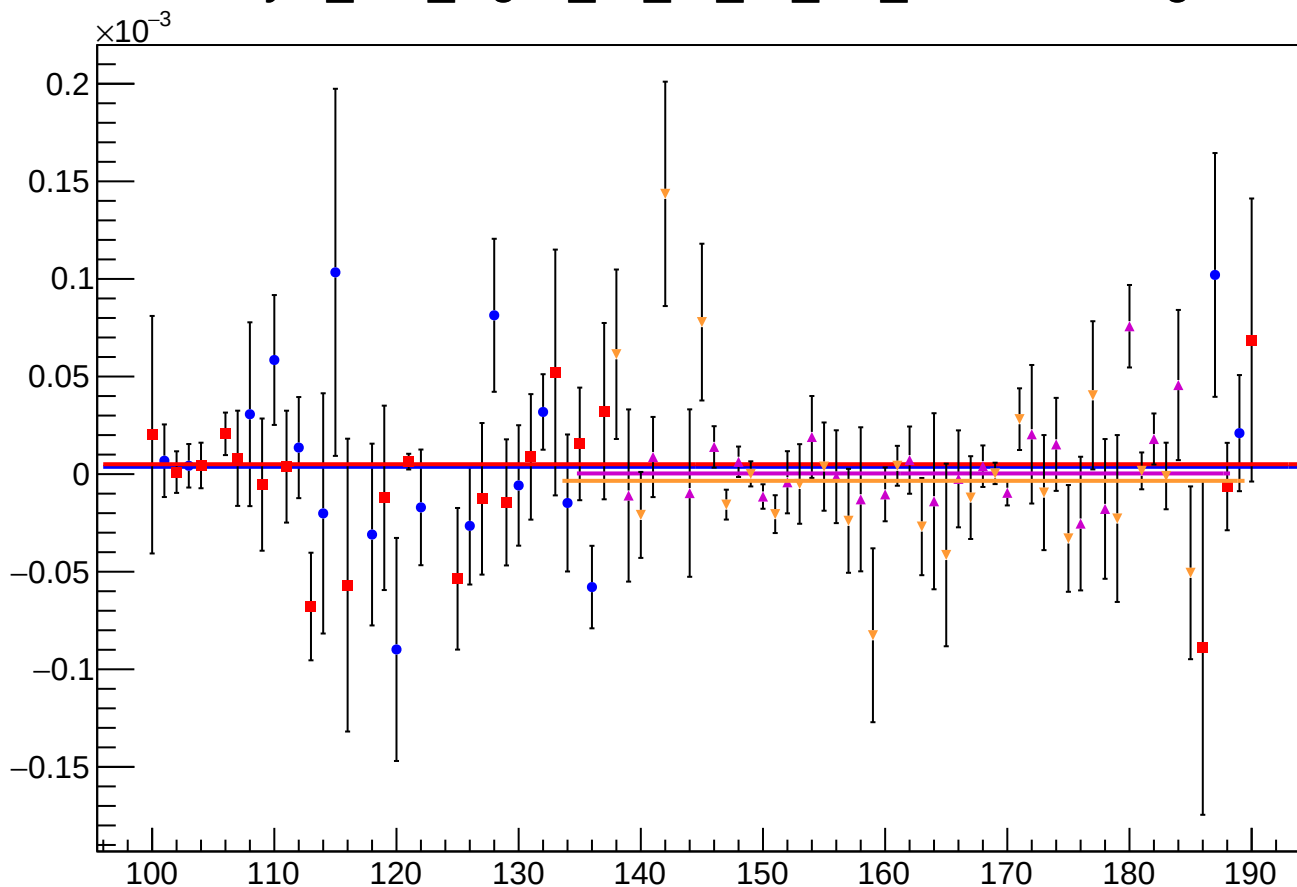
Left In: 623.916 $\pm$ 0.112 χ^2 /NDF:4541431.8/22

+ sign 334.409 $\pm$ 0.056 χ^2 /NDF: 14854166.0/41

All: 298.829 $\pm$ 0.036 χ^2 /NDF: 33515761.3/85

- sign 273.582 $\pm$ 0.047 χ^2 /NDF: 17966842.3/43

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.9/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 34.3/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.8/20

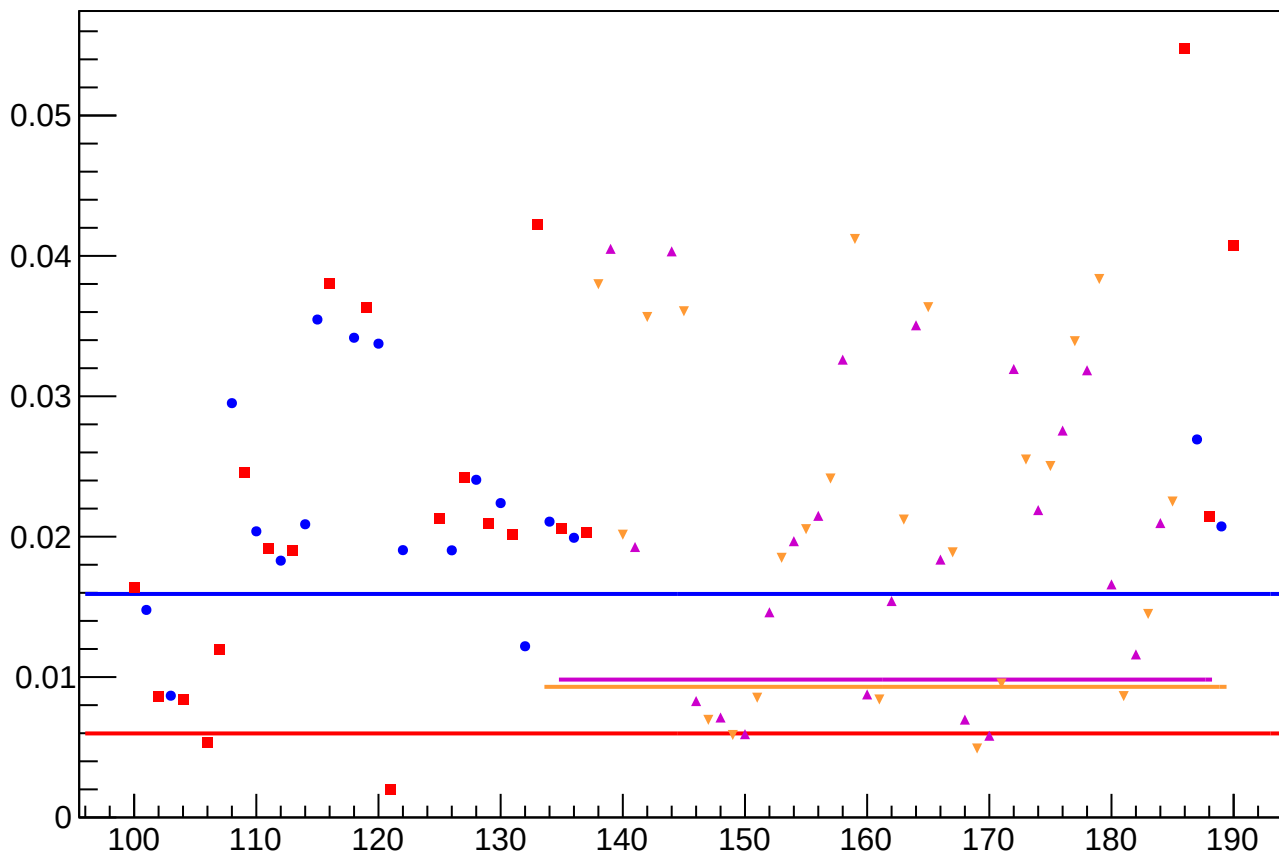
Left In: 0.000 ± 0.000 χ^2/NDF : 27.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 62.3/41

All: 0.000 ± 0.000 χ^2/NDF : 110.3/85

- sign 0.000 ± 0.000 χ^2/NDF : 45.9/43

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2/NDF : 2194594.6/17

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF :12224529.3/23

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 10050752.5/20

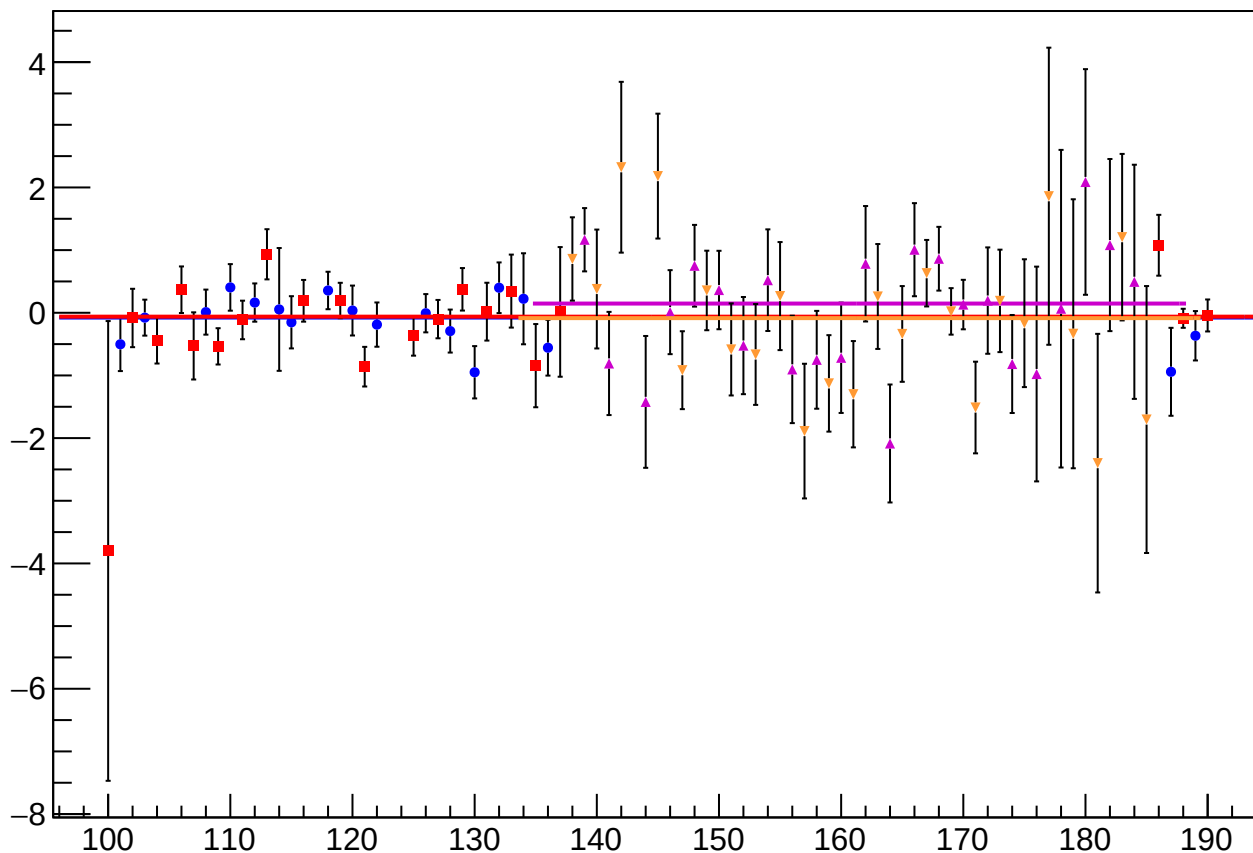
Left In: 0.010 $\pm$ 0.000 χ^2/NDF :10307261.6/22

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 16319543.8/41

All: 0.009 $\pm$ 0.000 χ^2/NDF : 39269147.5/85

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 21959460.6/43

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.076 ± 0.090 χ^2/NDF : 15.3/17

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.062 ± 0.073 χ^2/NDF : 30.9/20

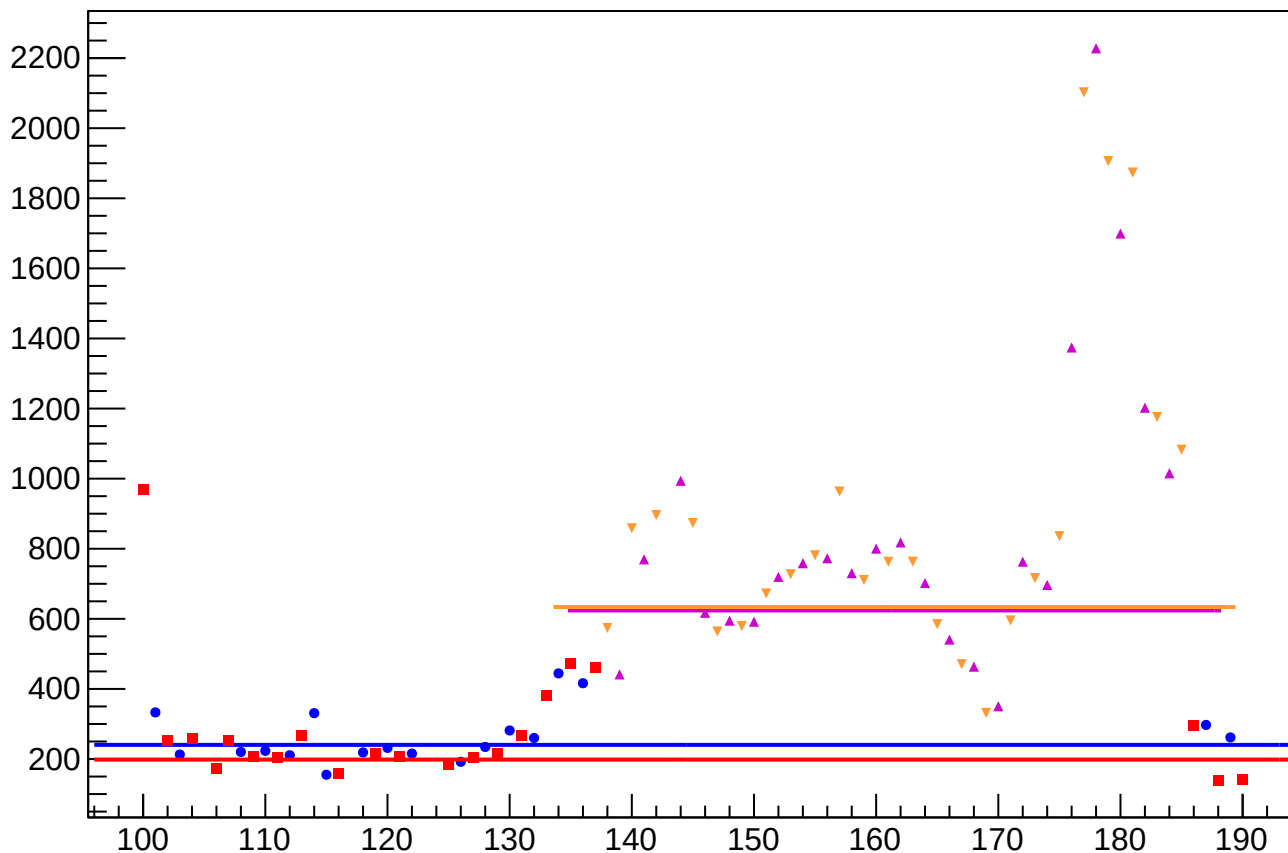
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.078 ± 0.079 χ^2/NDF : 45.5/41

All: -0.047 ± 0.051 χ^2/NDF : 104.6/85

- sign -0.025 ± 0.066 χ^2/NDF : 58.8/43

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 240.384 $\pm$ 0.064 χ^2 /NDF: 827230.7/17

Left Out: 633.678 $\pm$ 0.114 χ^2 /NDF: 4994172.5/23

Right Out: 198.436 $\pm$ 0.052 χ^2 /NDF: 1515439.4/20

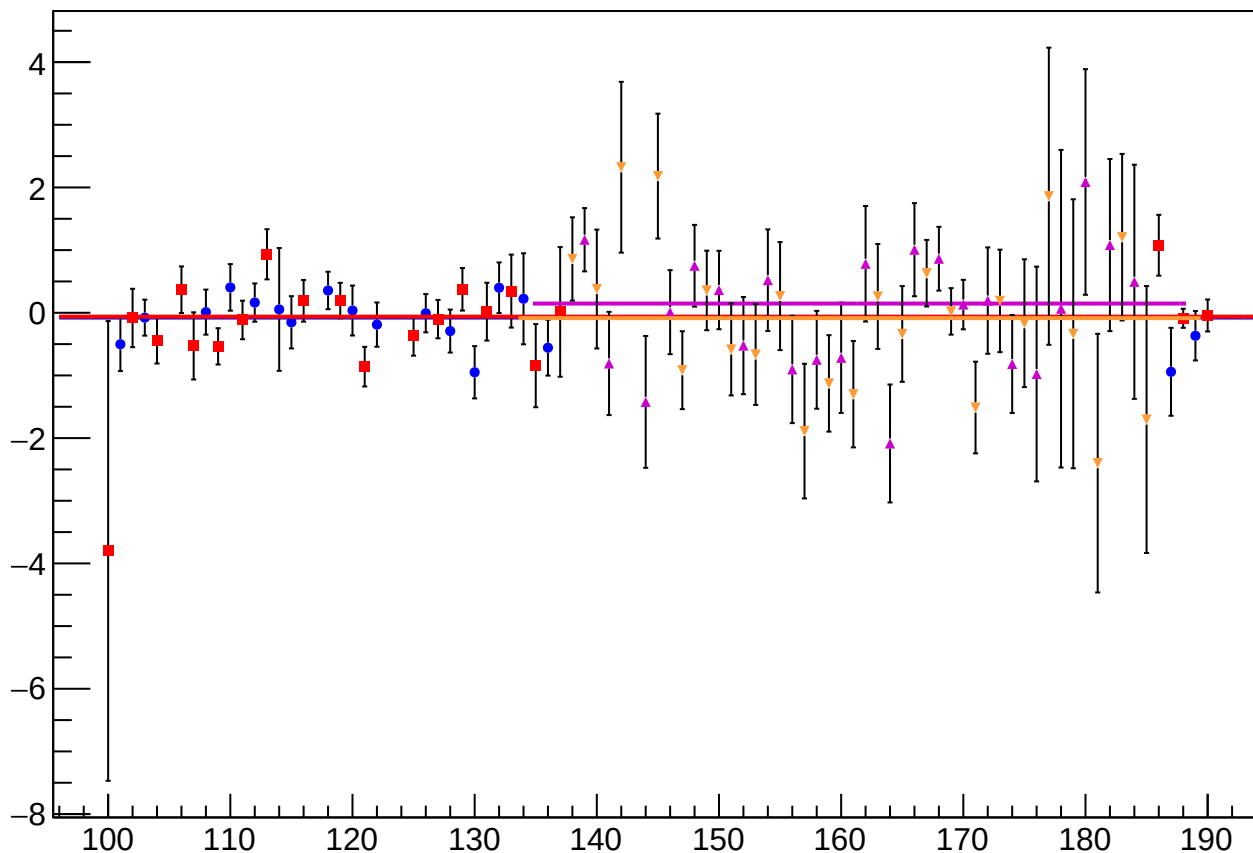
Left In: 623.922 $\pm$ 0.112 χ^2 /NDF: 4541413.9/22

+ sign 334.411 $\pm$ 0.056 χ^2 /NDF: 14854216.9/41

All: 298.827 $\pm$ 0.036 χ^2 /NDF: 33516269.0/85

- sign 273.579 $\pm$ 0.047 χ^2 /NDF: 17967189.9/43

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.076 ± 0.090 χ^2/NDF : 15.3/17

Left Out: -0.085 ± 0.161 χ^2/NDF : 30.2/23

Right Out: -0.062 ± 0.073 χ^2/NDF : 30.9/20

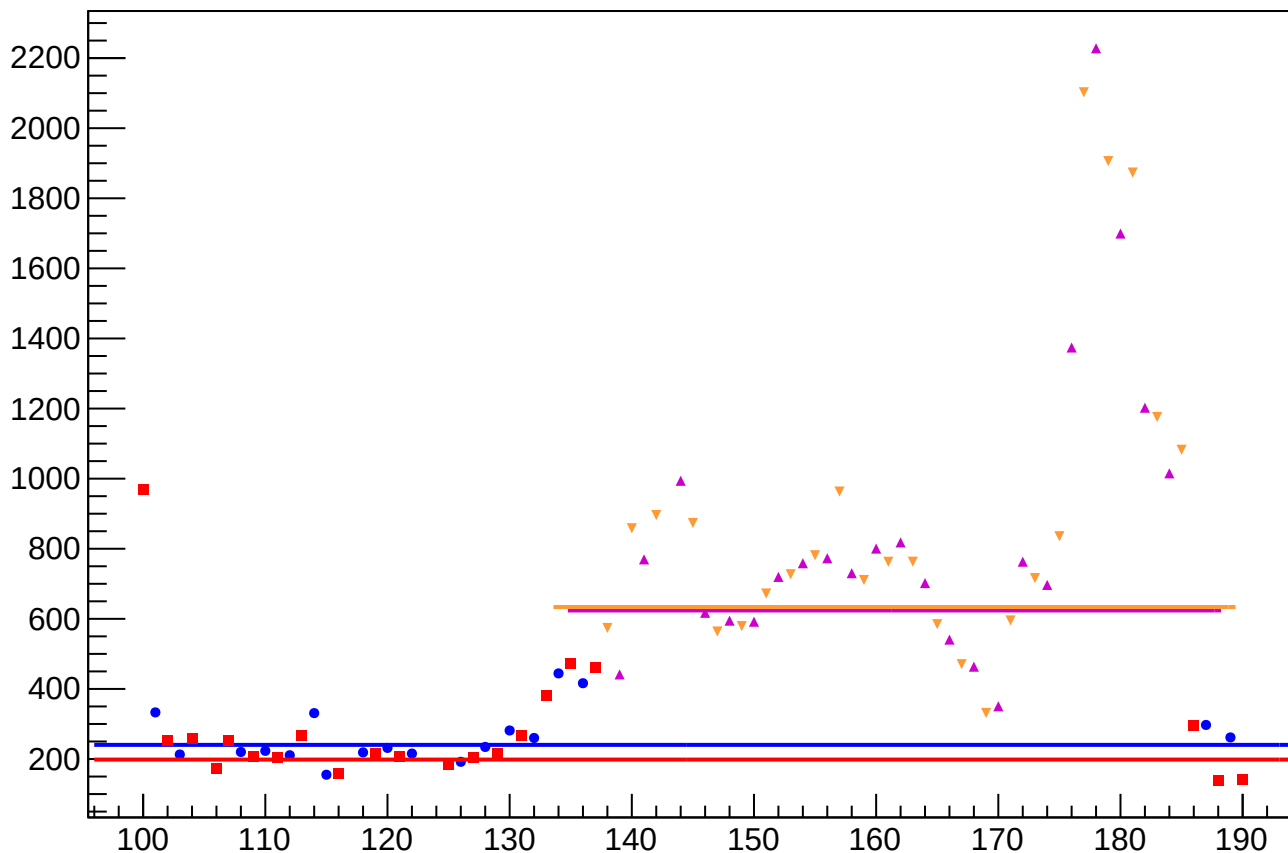
Left In: 0.147 ± 0.158 χ^2/NDF : 26.4/22

+ sign -0.078 ± 0.079 χ^2/NDF : 45.5/41

All: -0.047 ± 0.051 χ^2/NDF : 104.6/85

- sign -0.025 ± 0.066 χ^2/NDF : 58.8/43

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 240.384+/-0.064 χ^2/NDF : 827230.7/17

Left Out: 633.678+/-0.114 χ^2/NDF : 4994172.5/23

Right Out: 198.436+/-0.052 χ^2/NDF : 1515439.4/20

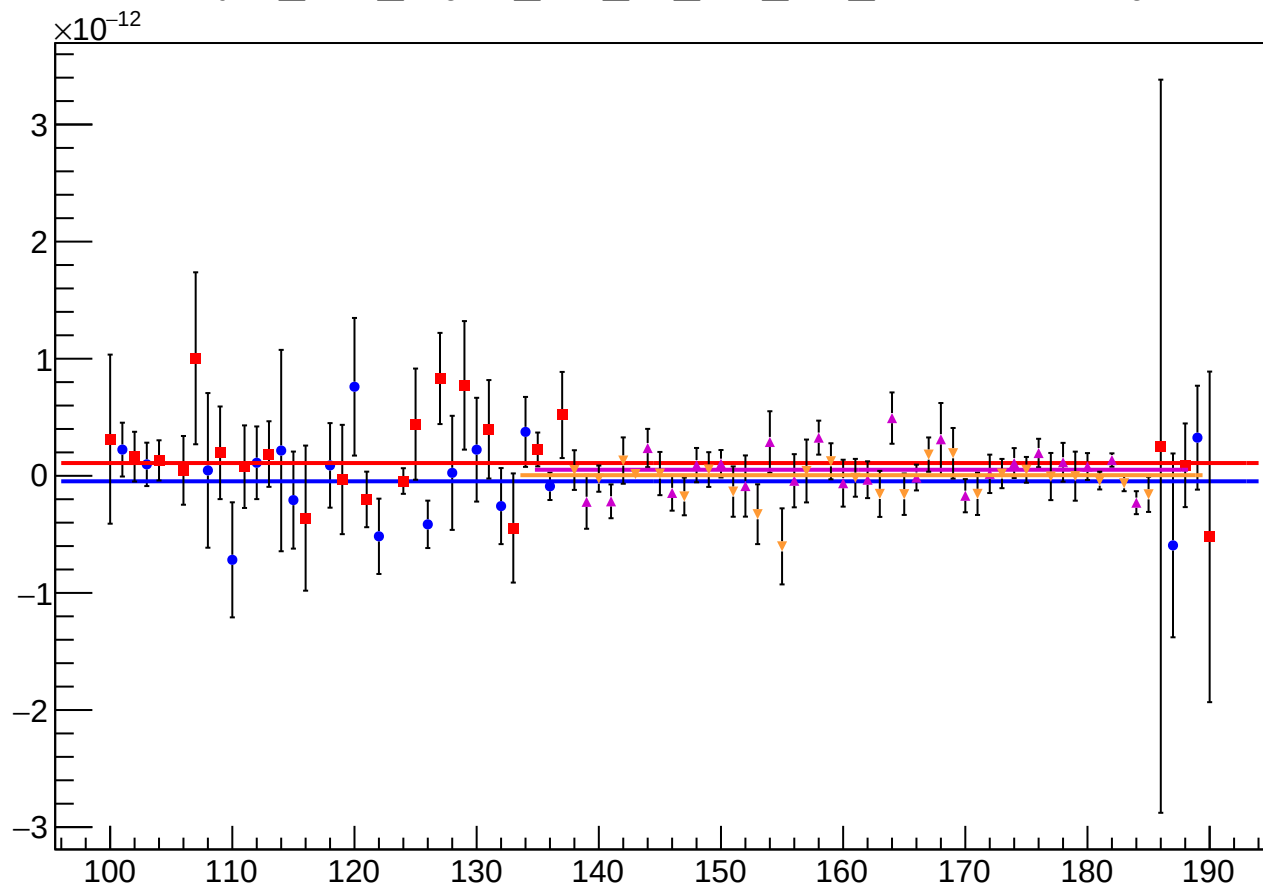
Left In: 623.922+/-0.112 χ^2/NDF : 4541413.9/22

+ sign 334.411+/-0.056 χ^2/NDF : 14854216.9/41

All: 298.827+/-0.036 χ^2/NDF : 33516269.0/85

- sign 273.579+/-0.047 χ^2/NDF : 17967189.9/43

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.0/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 15.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.5/21

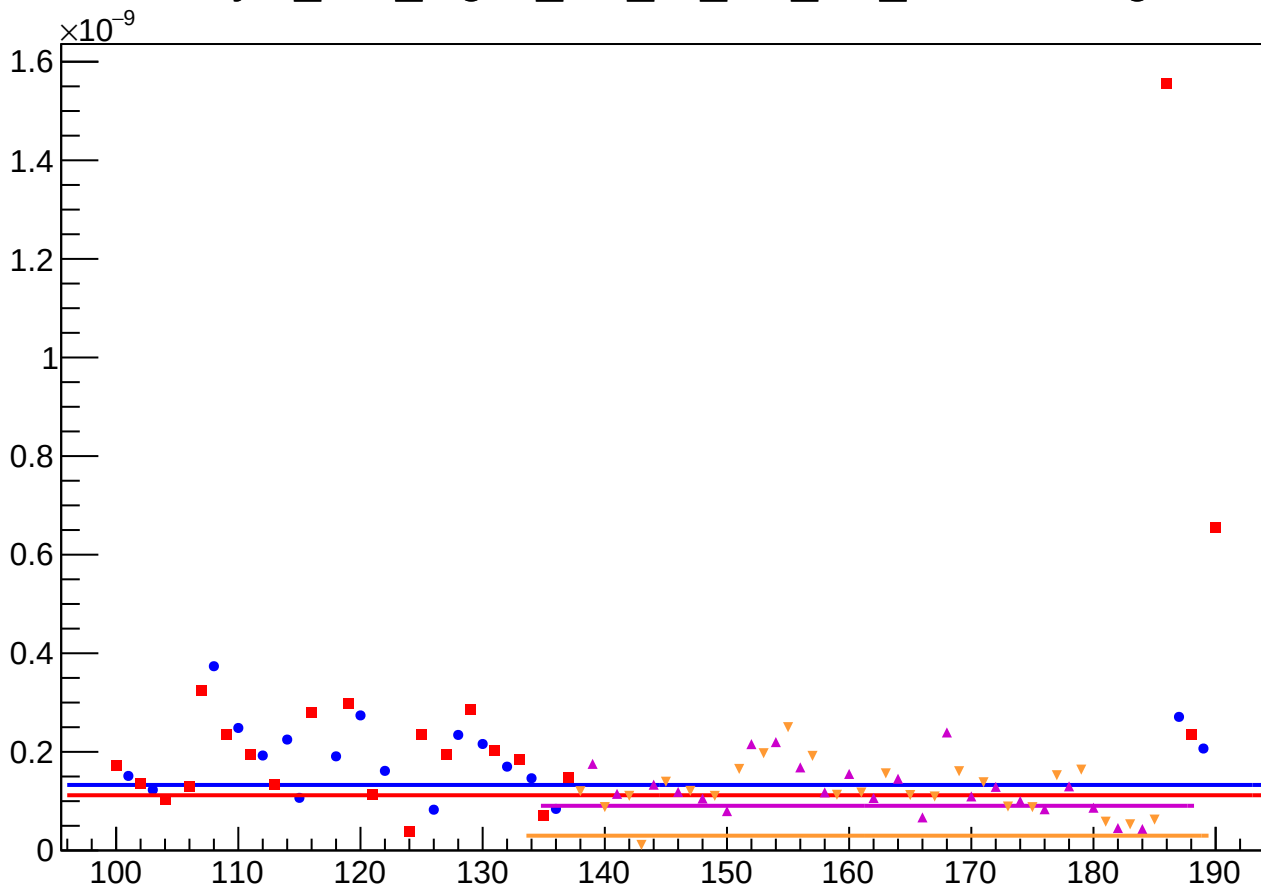
Left In: 0.000 ± 0.000 χ^2/NDF : 33.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 32.4/42

All: 0.000 ± 0.000 χ^2/NDF : 86.4/87

- sign 0.000 ± 0.000 χ^2/NDF : 49.7/44

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1454903.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3632758.7/21

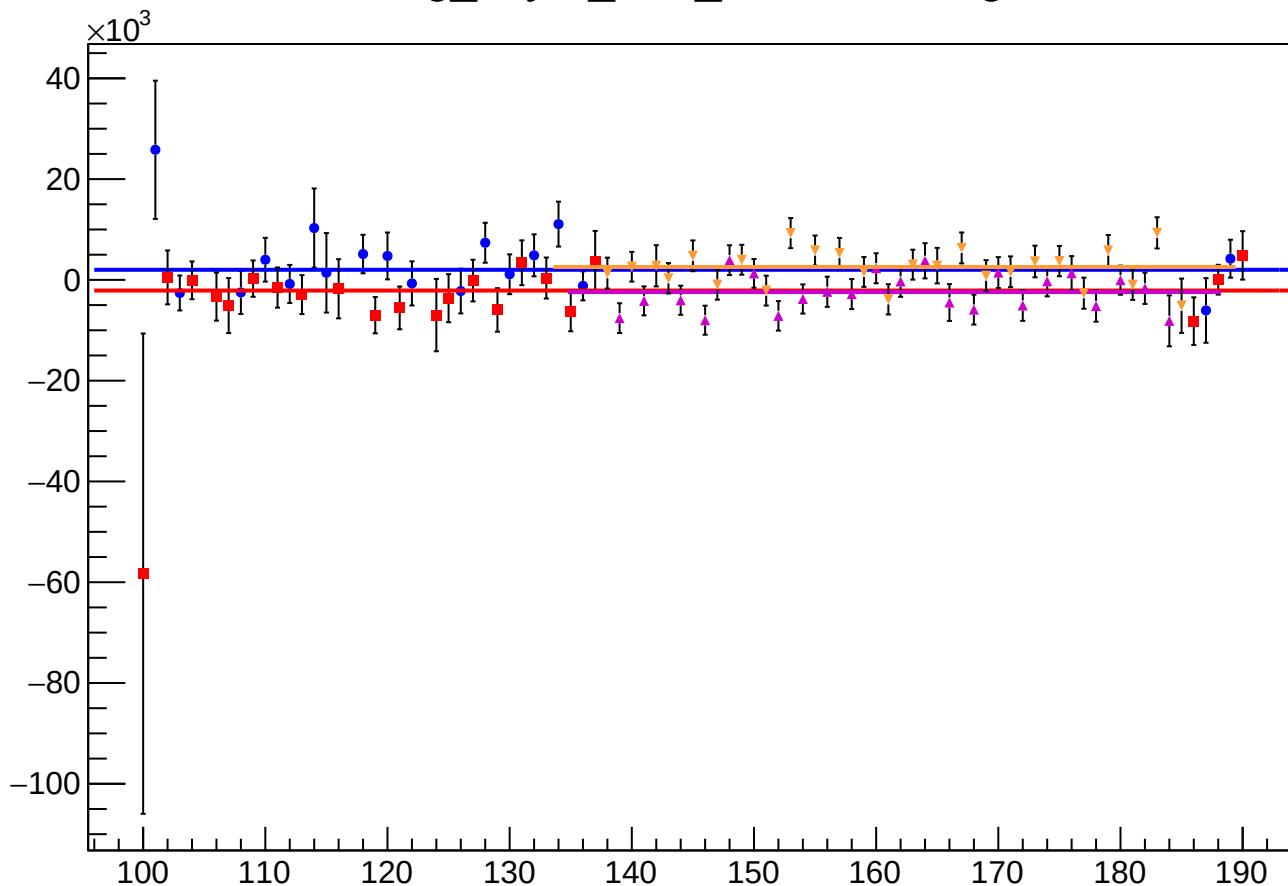
Left In: 0.000+/-0.000 χ^2/NDF : 4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 23318678.3/42

All: 0.000+/-0.000 χ^2/NDF : 40895094.7/87

- sign 0.000+/-0.000 χ^2/NDF : 8568966.3/44

reg_asym_atr1_mean vs Slug



Right In: 2002.990 $\pm$ 1016.497 χ^2 /NDF: 19.7/17

Left Out: 2556.827 $\pm$ 621.829 χ^2 /NDF:31.6/24

Right Out: -2115.379 $\pm$ 938.449 χ^2 /NDF: 15.1/21

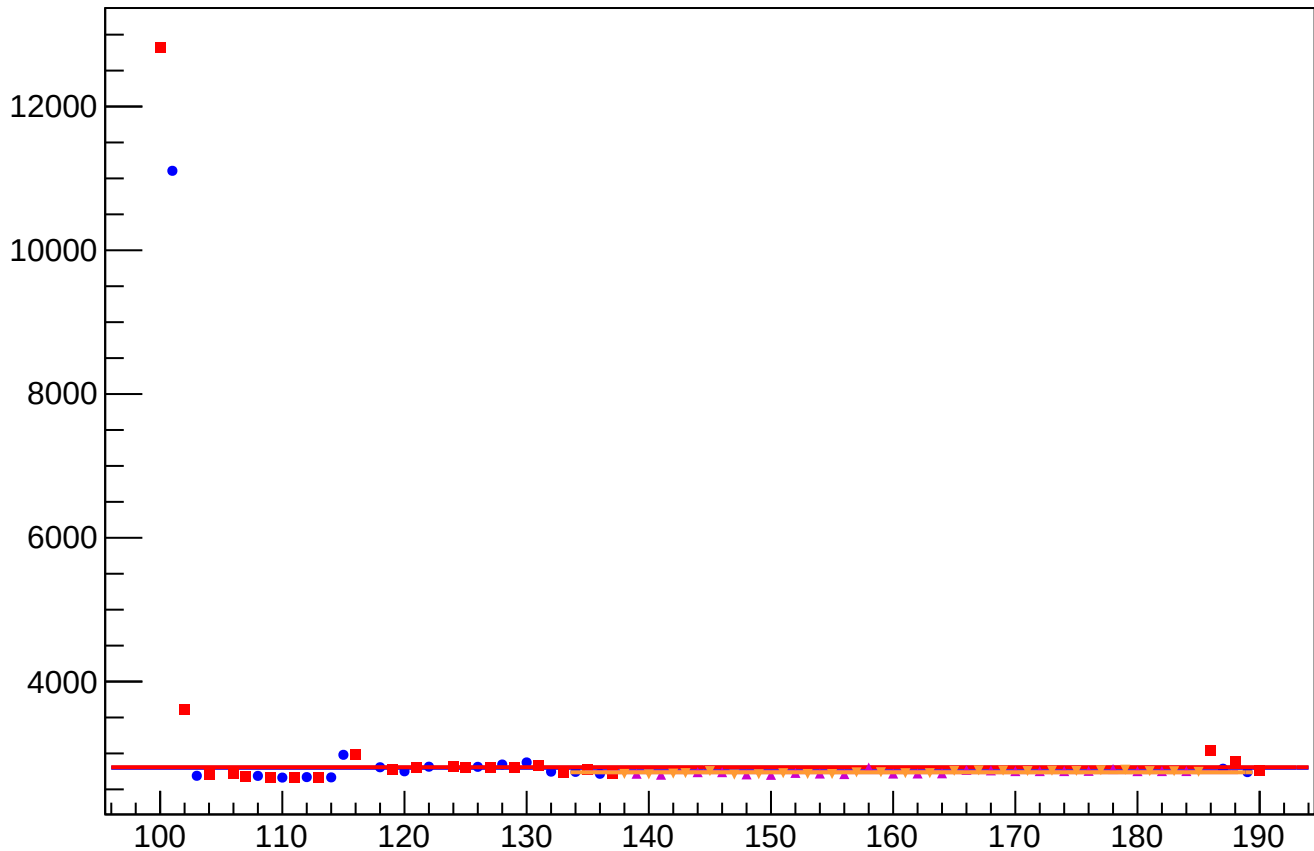
Left In: -2408.320 $\pm$ 639.726 χ^2 /NDF:31.4/22

+ sign 2406.009 $\pm$ 530.448 χ^2 /NDF: 51.5/42

All: 37.042 $\pm$ 374.425 χ^2 /NDF: 137.8/87

- sign -2315.380 $\pm$ 528.592 χ^2 /NDF: 46.6/44

reg_asym_atr1_rms vs Slug



Right In: 2800.213+/-0.719 χ^2/NDF : 746808.3/17

Left Out: 2737.519+/-0.440 χ^2/NDF : 2317.5/24

Right Out: 2808.206+/-0.664 χ^2/NDF : 154176.2/21

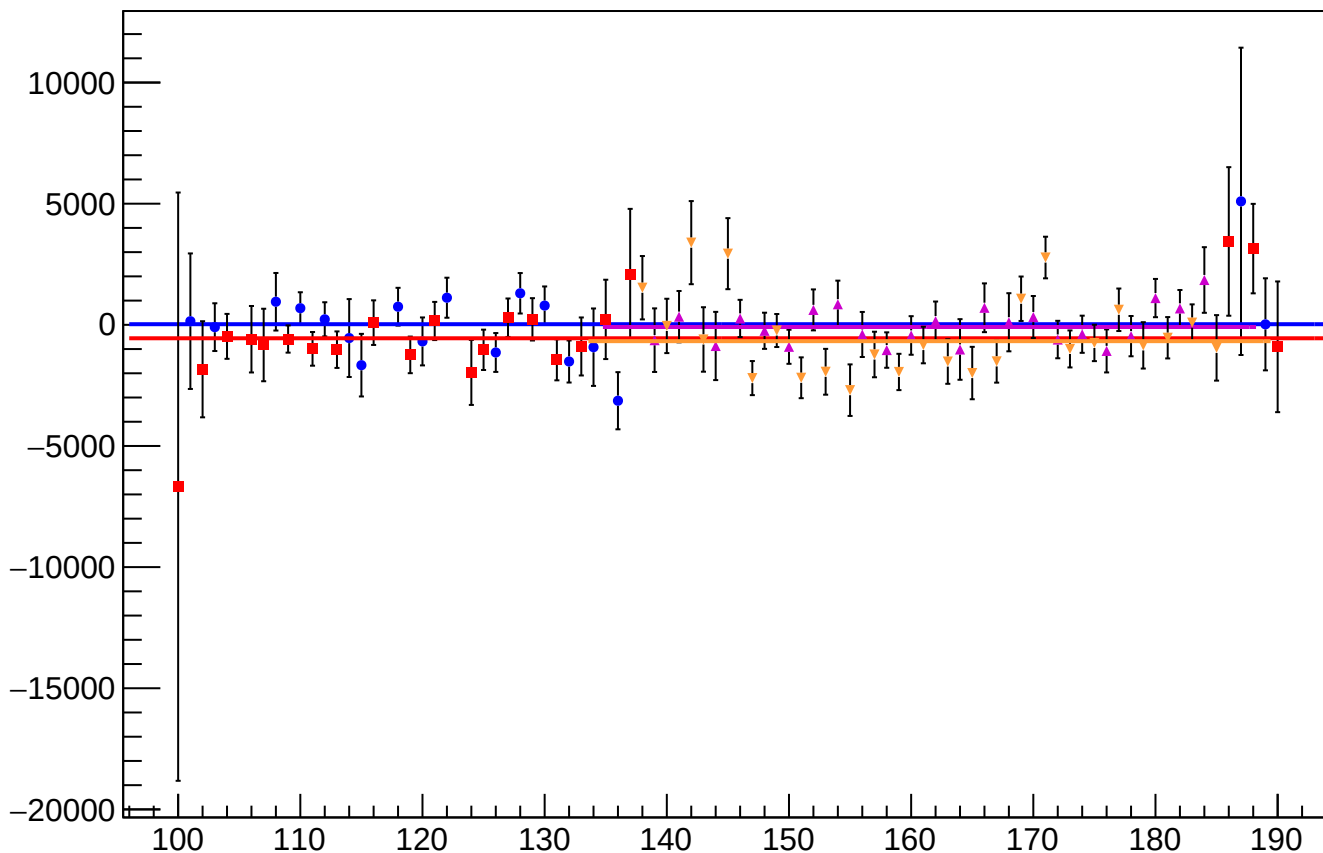
Left In: 2739.863+/-0.452 χ^2/NDF : 3362.0/22

+ sign 2754.591+/-0.375 χ^2/NDF : 754662.1/42

All: 2758.081+/-0.265 χ^2/NDF : 919614.5/87

- sign 2761.546+/-0.374 χ^2/NDF : 164779.9/44

asym_atr1_reg_correction_mean vs Slug



Right In: 25.778 ± 231.585 χ^2/NDF : 23.4/17

Left Out: -673.693 ± 181.230 χ^2/NDF : 58.4/24

Right Out: -554.916 ± 213.293 χ^2/NDF : 15.1/21

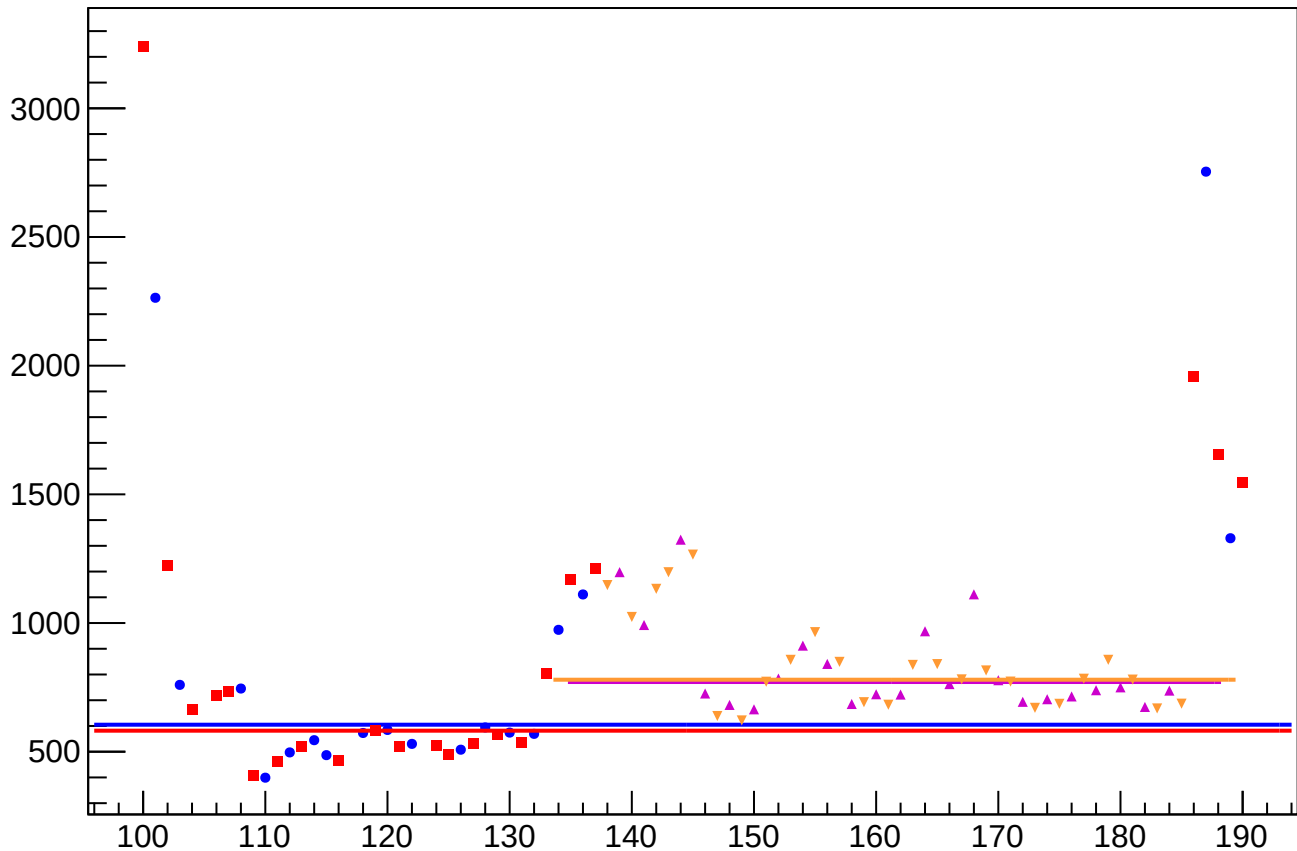
Left In: -89.519 ± 183.491 χ^2/NDF : 14.8/22

+ sign -408.026 ± 142.723 χ^2/NDF : 87.4/42

All: -346.193 ± 99.615 χ^2/NDF : 120.4/87

- sign -287.458 ± 139.101 χ^2/NDF : 32.6/44

asym_atr1_reg_correction_rms vs Slug



Right In: 604.898 $\pm$ 0.164 χ^2 /NDF: 2095310.0/17

Left Out: 779.715 $\pm$ 0.128 χ^2 /NDF:1243743.5/24

Right Out: 581.666 $\pm$ 0.151 χ^2 /NDF: 2484132.7/21

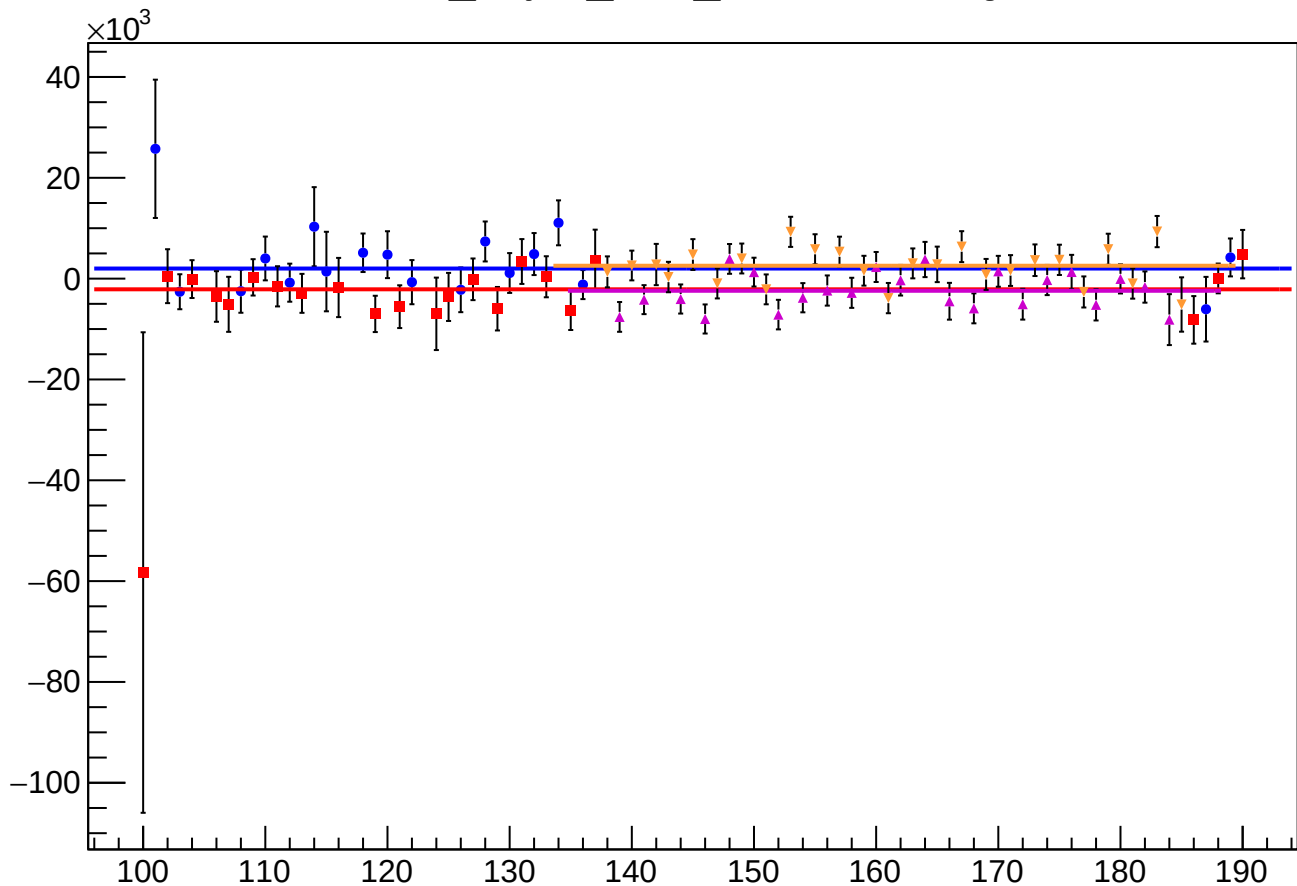
Left In: 770.795 $\pm$ 0.130 χ^2 /NDF:1076354.9/22

+ sign 713.318 $\pm$ 0.101 χ^2 /NDF: 4045858.0/42

All: 701.542 $\pm$ 0.070 χ^2 /NDF: 8536589.2/87

- sign 690.356 $\pm$ 0.098 χ^2 /NDF: 4464182.4/44

cor_asym_atr1_mean vs Slug



Right In: 2002.284 $\pm$ 1016.497 χ^2 /NDF: 19.7/17

Left Out: 2556.787 $\pm$ 621.829 χ^2 /NDF:31.6/24

Right Out: -2119.146 $\pm$ 940.223 χ^2 /NDF: 15.2/21

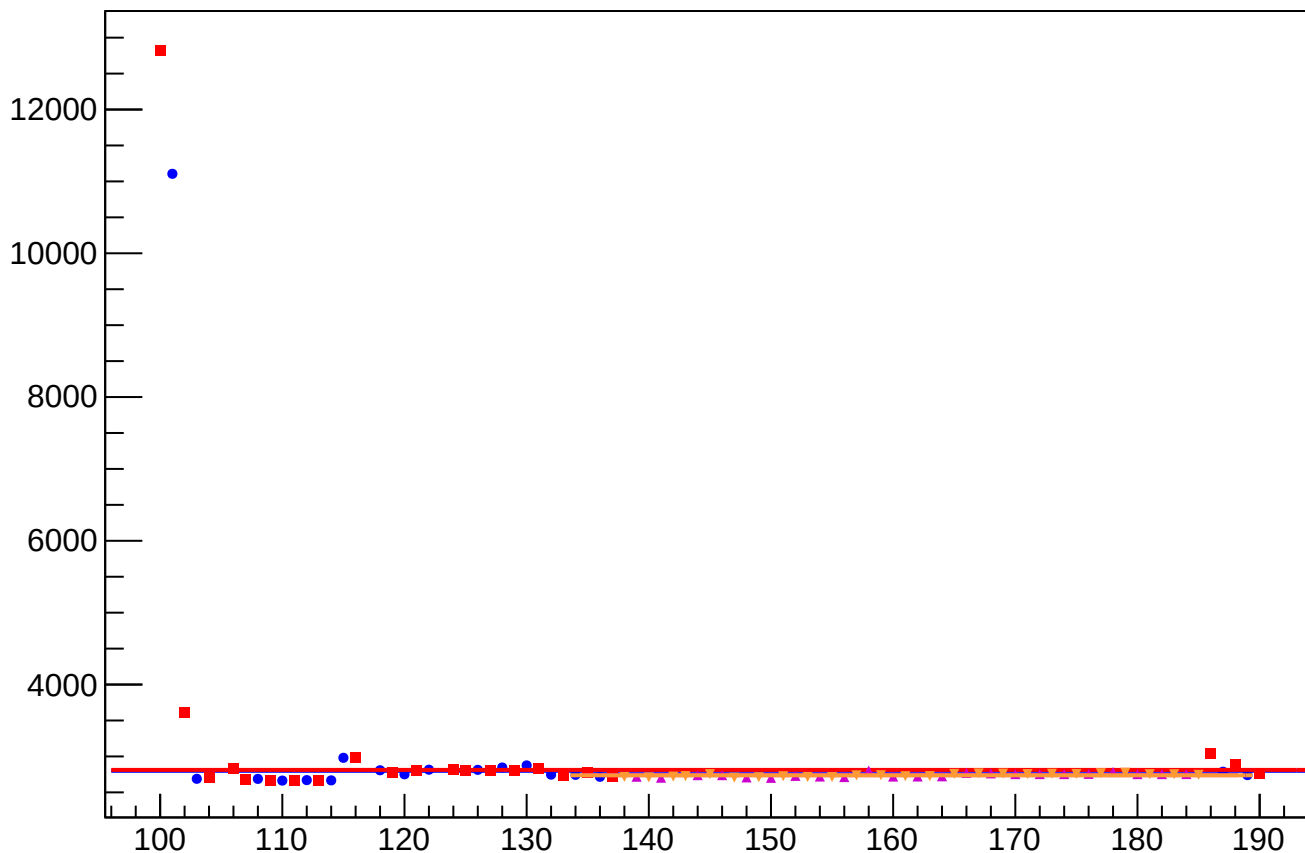
Left In: -2408.461 $\pm$ 639.726 χ^2 /NDF:31.4/22

+ sign 2405.787 $\pm$ 530.448 χ^2 /NDF: 51.5/42

All: 37.578 $\pm$ 374.538 χ^2 /NDF: 137.8/87

- sign -2316.909 $\pm$ 528.909 χ^2 /NDF: 46.6/44

cor_asym_atr1_rms vs Slug



Right In: 2800.213+/-0.719 χ^2/NDF : 746807.4/17

Left Out: 2737.519+/-0.440 χ^2/NDF : 2317.5/24

Right Out: 2812.659+/-0.665 χ^2/NDF : 153542.8/21

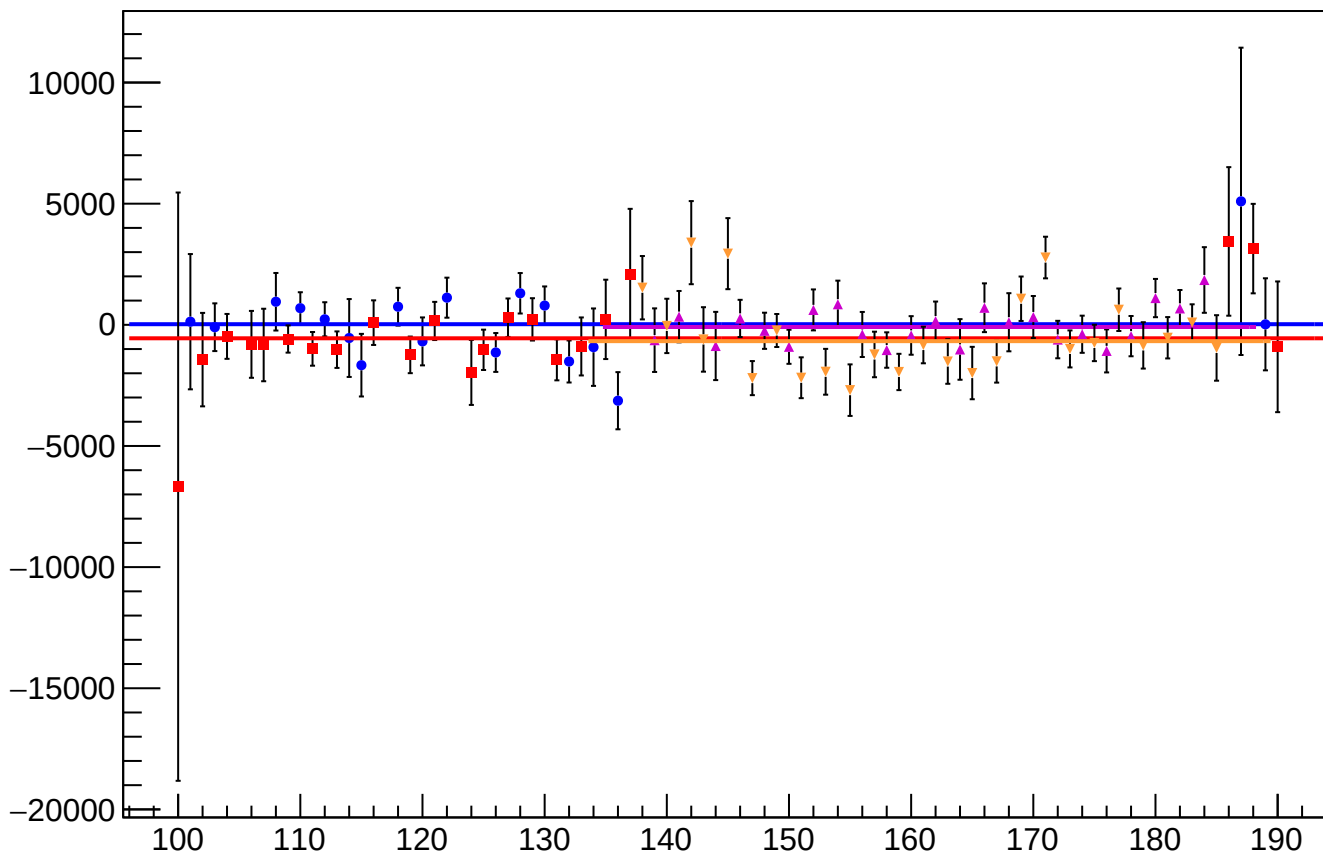
Left In: 2739.863+/-0.452 χ^2/NDF : 3362.0/22

+ sign 2754.591+/-0.375 χ^2/NDF : 754661.2/42

All: 2758.757+/-0.265 χ^2/NDF : 920007.0/87

- sign 2762.899+/-0.374 χ^2/NDF : 165099.8/44

asym_atr1_cor_correction_mean vs Slug



Right In: 25.738+/-231.573 χ^2 /NDF: 23.4/17

Left Out: -673.608+/-181.230 χ^2 /NDF:58.4/24

Right Out: -556.027+/-213.248 χ^2 /NDF: 14.9/21

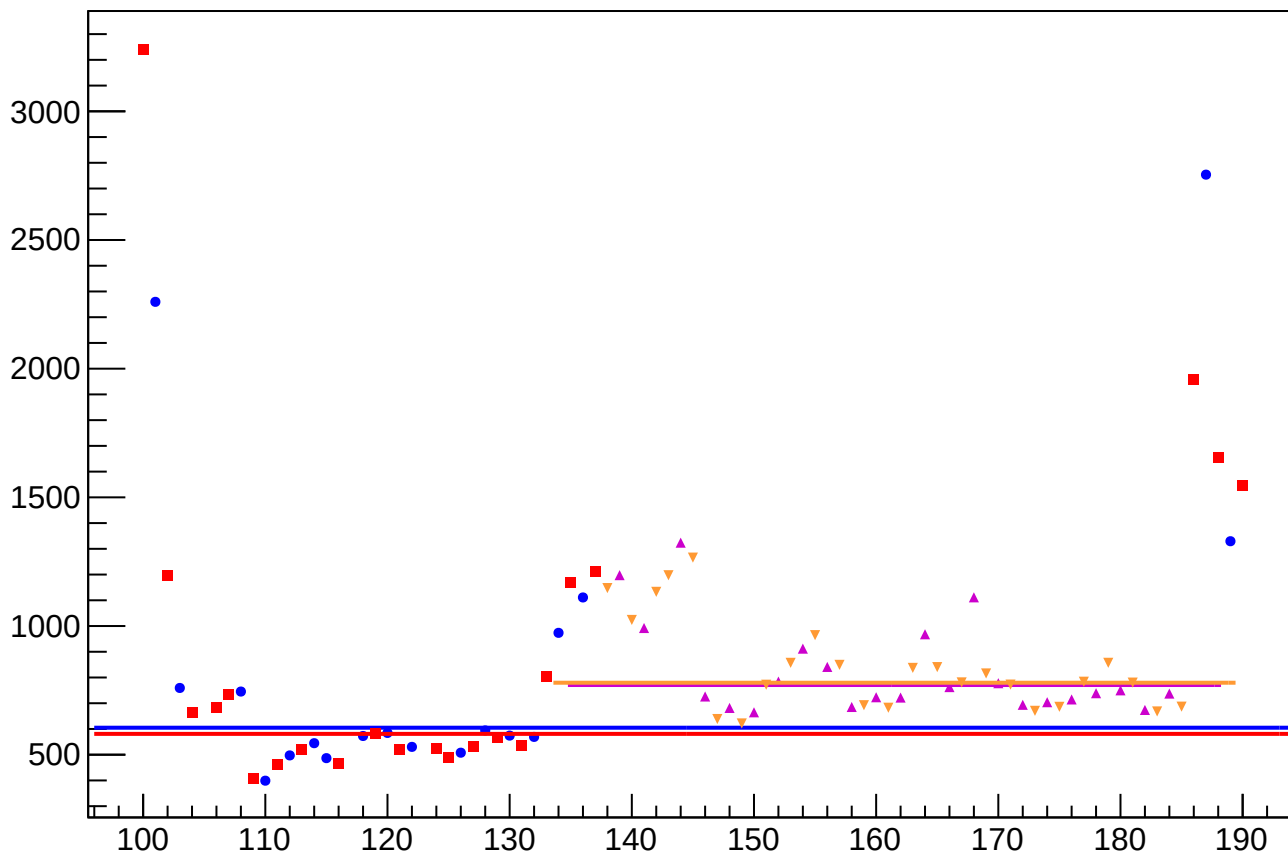
Left In: -89.643+/-183.492 χ^2 /NDF:14.8/22

+ sign -407.973+/-142.720 χ^2 /NDF: 87.4/42

All: -346.467+/-99.610 χ^2 /NDF: 120.2/87

- sign -288.051+/-139.089 χ^2 /NDF: 32.5/44

asym_atr1_cor_correction_rms vs Slug



Right In: 604.895+/-0.164 χ^2/NDF : 2094282.8/17

Left Out: 779.713+/-0.128 χ^2/NDF :1243769.6/24

Right Out: 580.924+/-0.151 χ^2/NDF : 2470638.6/21

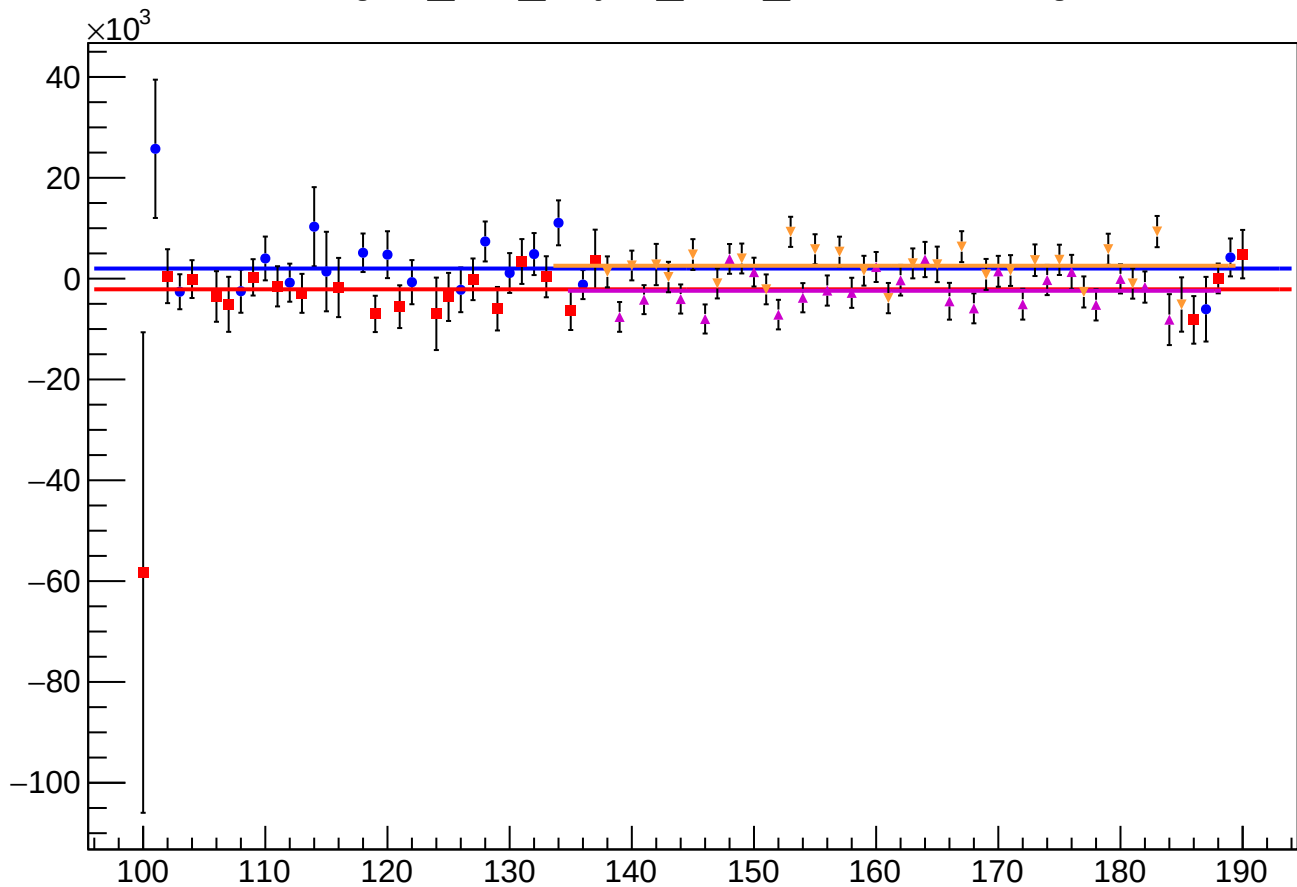
Left In: 770.799+/-0.130 χ^2/NDF :1076291.1/22

+ sign 713.311+/-0.101 χ^2/NDF : 4044910.1/42

All: 701.367+/-0.070 χ^2/NDF : 8530208.1/87

- sign 690.023+/-0.098 χ^2/NDF : 4457984.9/44

eigen_cor_asym_atr1_mean vs Slug



Right In: 2002.284 ± 1016.497 χ^2/NDF : 19.7/17

Left Out: 2556.787 ± 621.829 χ^2/NDF : 31.6/24

Right Out: -2119.146 ± 940.223 χ^2/NDF : 15.2/21

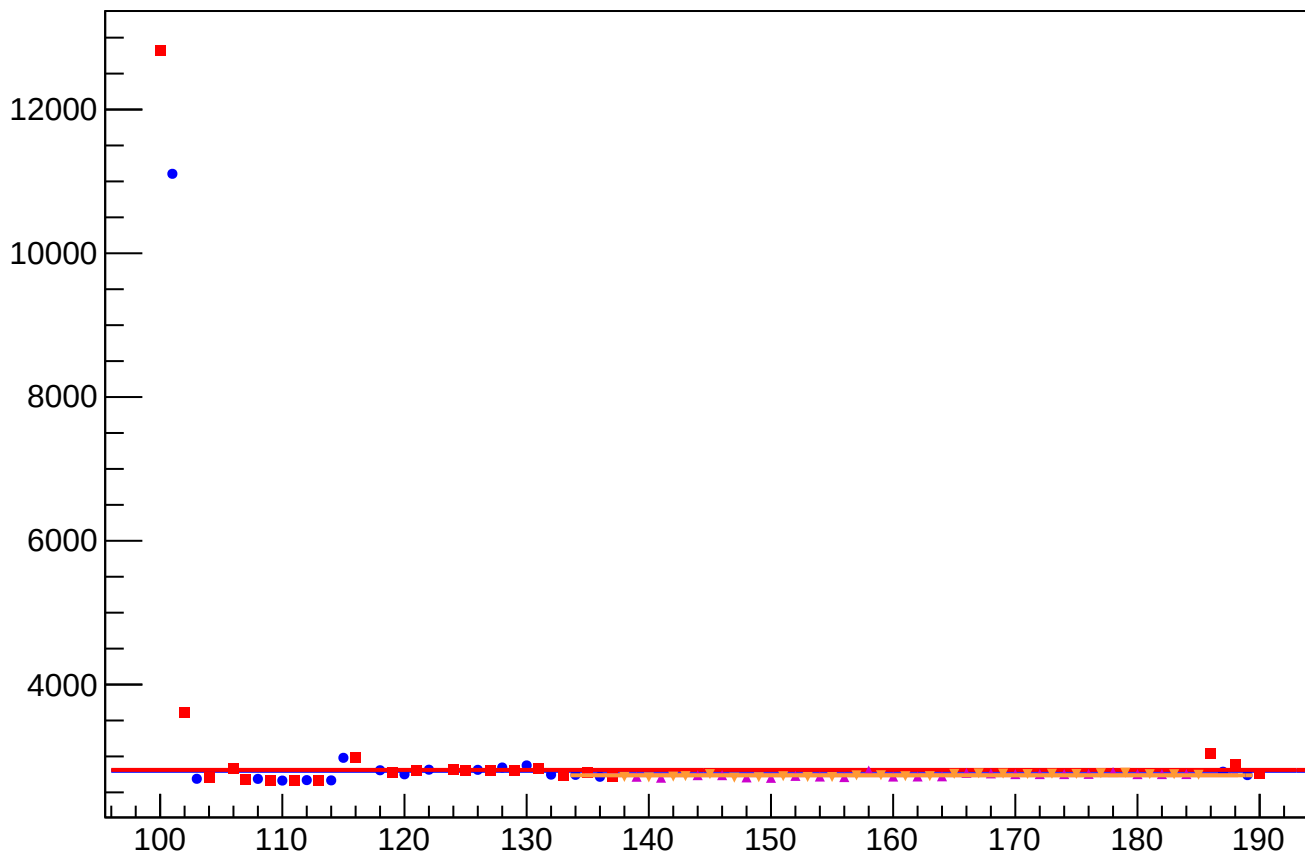
Left In: -2408.461 ± 639.726 χ^2/NDF : 31.4/22

+ sign 2405.787 ± 530.448 χ^2/NDF : 51.5/42

All: 37.578 ± 374.538 χ^2/NDF : 137.8/87

- sign -2316.909 ± 528.909 χ^2/NDF : 46.6/44

eigen_cor_asym_atr1_rms vs Slug



Right In: 2800.213+/-0.719 χ^2/NDF : 746807.4/17

Left Out: 2737.519+/-0.440 χ^2/NDF : 2317.5/24

Right Out: 2812.659+/-0.665 χ^2/NDF : 153542.8/21

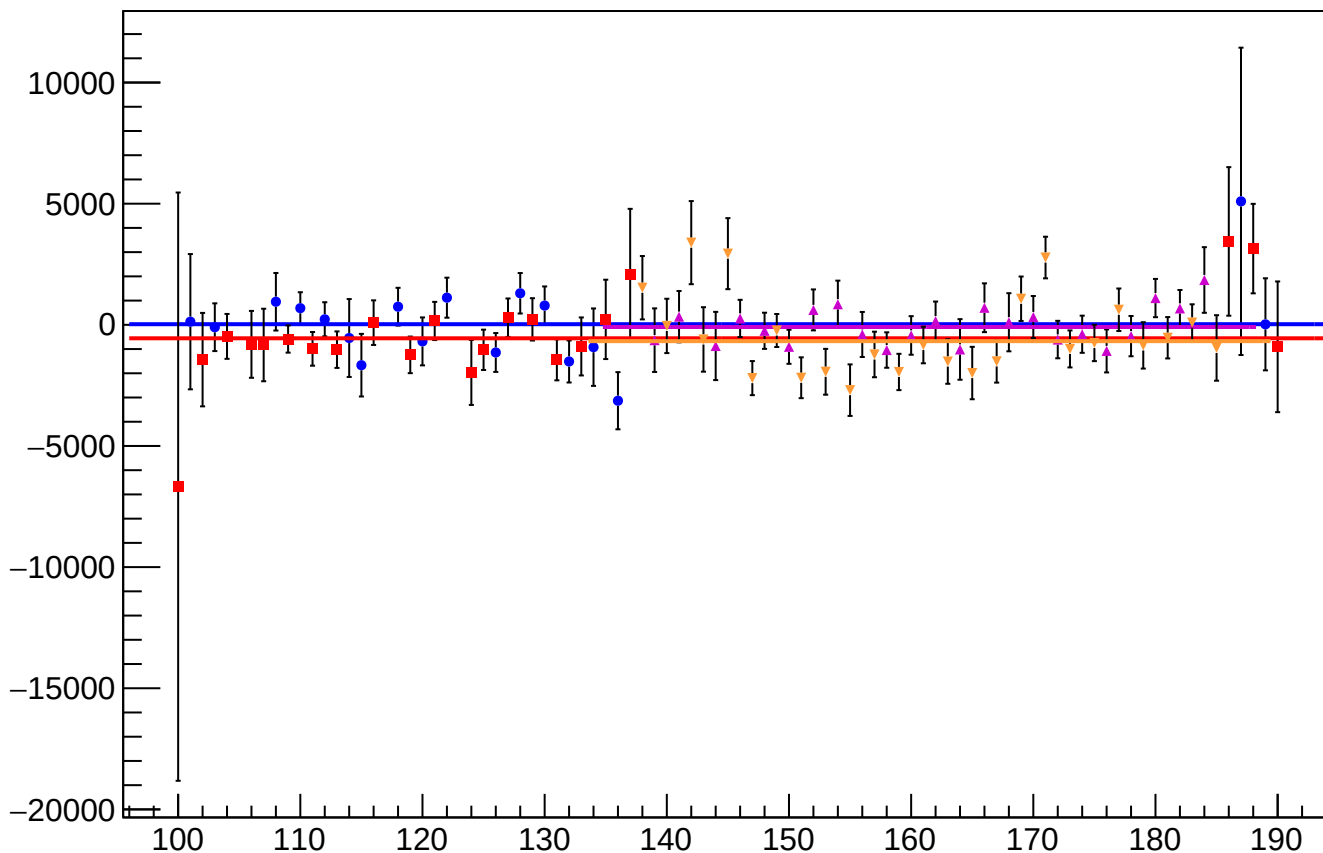
Left In: 2739.863+/-0.452 χ^2/NDF : 3362.0/22

+ sign 2754.591+/-0.375 χ^2/NDF : 754661.2/42

All: 2758.757+/-0.265 χ^2/NDF : 920007.0/87

- sign 2762.899+/-0.374 χ^2/NDF : 165099.8/44

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 25.738 $\pm$ 231.573 χ^2 /NDF: 23.4/17

Left Out: -673.608 $\pm$ 181.230 χ^2 /NDF:58.4/24

Right Out: -556.027 $\pm$ 213.248 χ^2 /NDF: 14.9/21

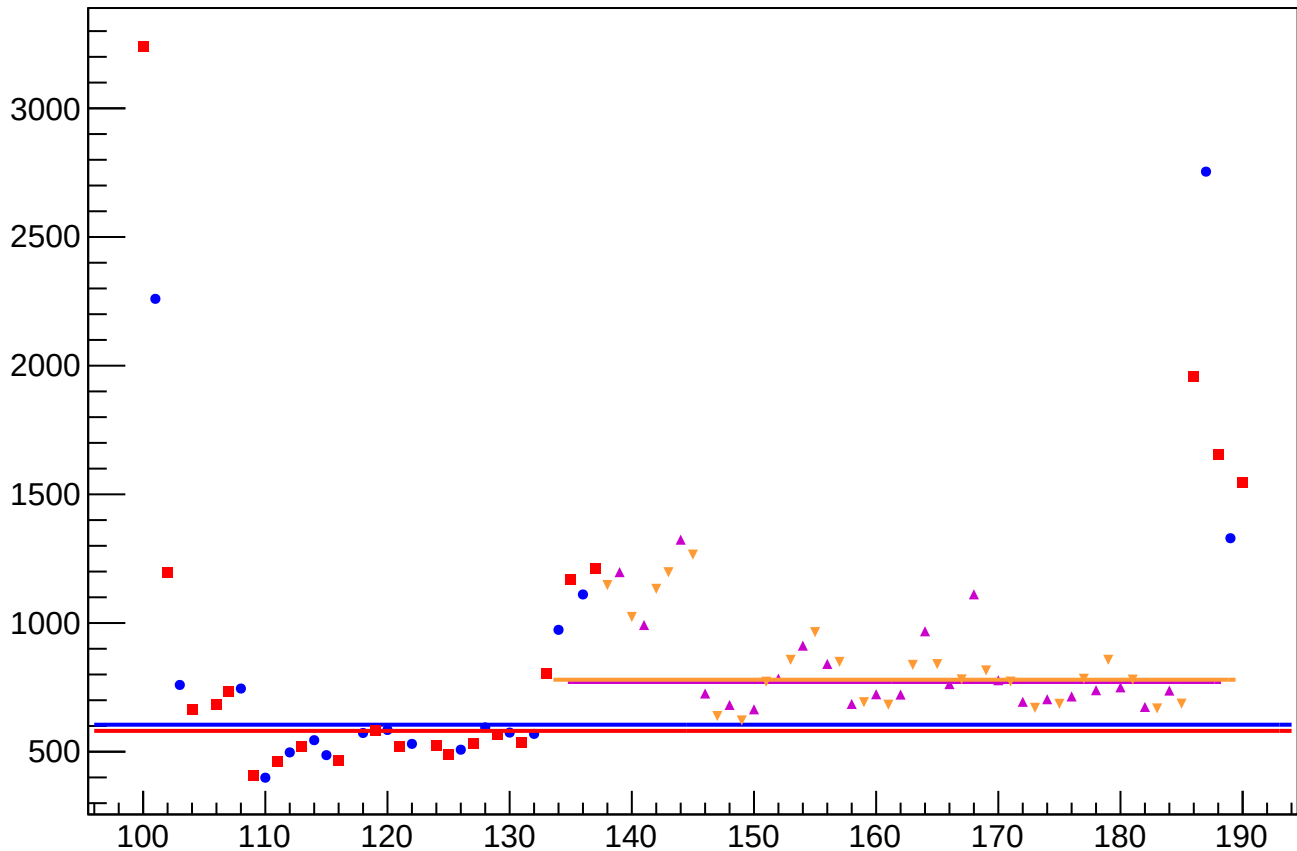
Left In: -89.643 $\pm$ 183.492 χ^2 /NDF:14.8/22

+ sign -407.973 $\pm$ 142.720 χ^2 /NDF: 87.4/42

All: -346.467 $\pm$ 99.610 χ^2 /NDF: 120.2/87

- sign -288.051 $\pm$ 139.089 χ^2 /NDF: 32.5/44

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 604.895+/-0.164 χ^2/NDF : 2094282.8/17

Left Out: 779.713+/-0.128 χ^2/NDF :1243769.6/24

Right Out: 580.924+/-0.151 χ^2/NDF : 2470638.6/21

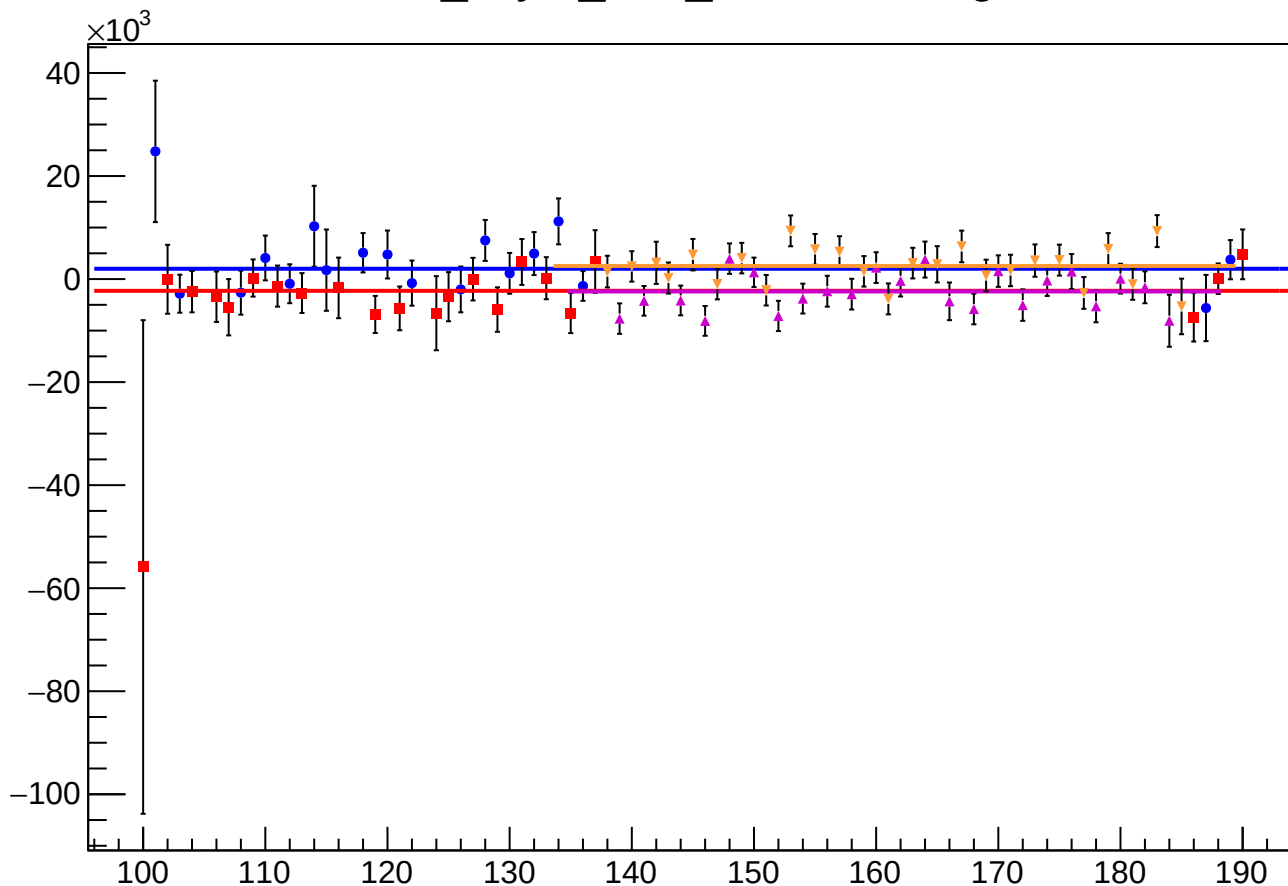
Left In: 770.799+/-0.130 χ^2/NDF :1076291.1/22

+ sign 713.311+/-0.101 χ^2/NDF : 4044910.1/42

All: 701.367+/-0.070 χ^2/NDF : 8530208.1/87

- sign 690.023+/-0.098 χ^2/NDF : 4457984.9/44

dit_asym_atr1_mean vs Slug



Right In: 2002.084 ± 1023.260 $\chi^2/\text{NDF}: 19.5/17$

Left Out: 2545.043 ± 622.236 $\chi^2/\text{NDF}: 31.9/24$

Right Out: -2279.198 ± 949.701 $\chi^2/\text{NDF}: 14.0/21$

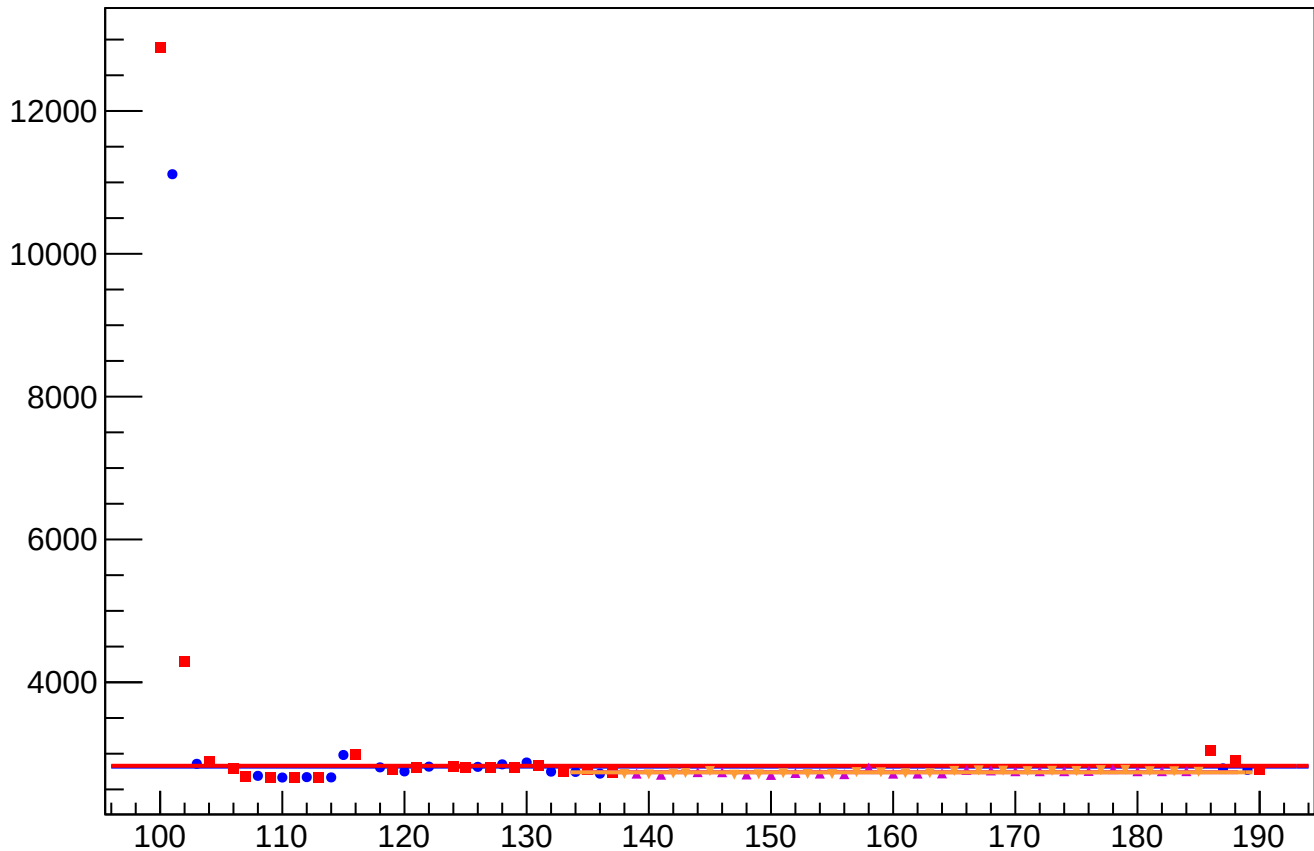
Left In: -2406.858 ± 640.084 $\chi^2/\text{NDF}: 31.8/22$

+ sign 2398.470 ± 531.656 $\chi^2/\text{NDF}: 51.6/42$

All: 11.829 ± 375.628 $\chi^2/\text{NDF}: 137.7/87$

- sign -2366.982 ± 530.783 $\chi^2/\text{NDF}: 45.8/44$

dit_asym_atr1_rms vs Slug



Right In: 2819.033+/-0.724 χ^2/NDF : 744278.0/17

Left Out: 2739.304+/-0.440 χ^2/NDF : 2322.3/24

Right Out: 2830.765+/-0.672 χ^2/NDF : 206403.2/21

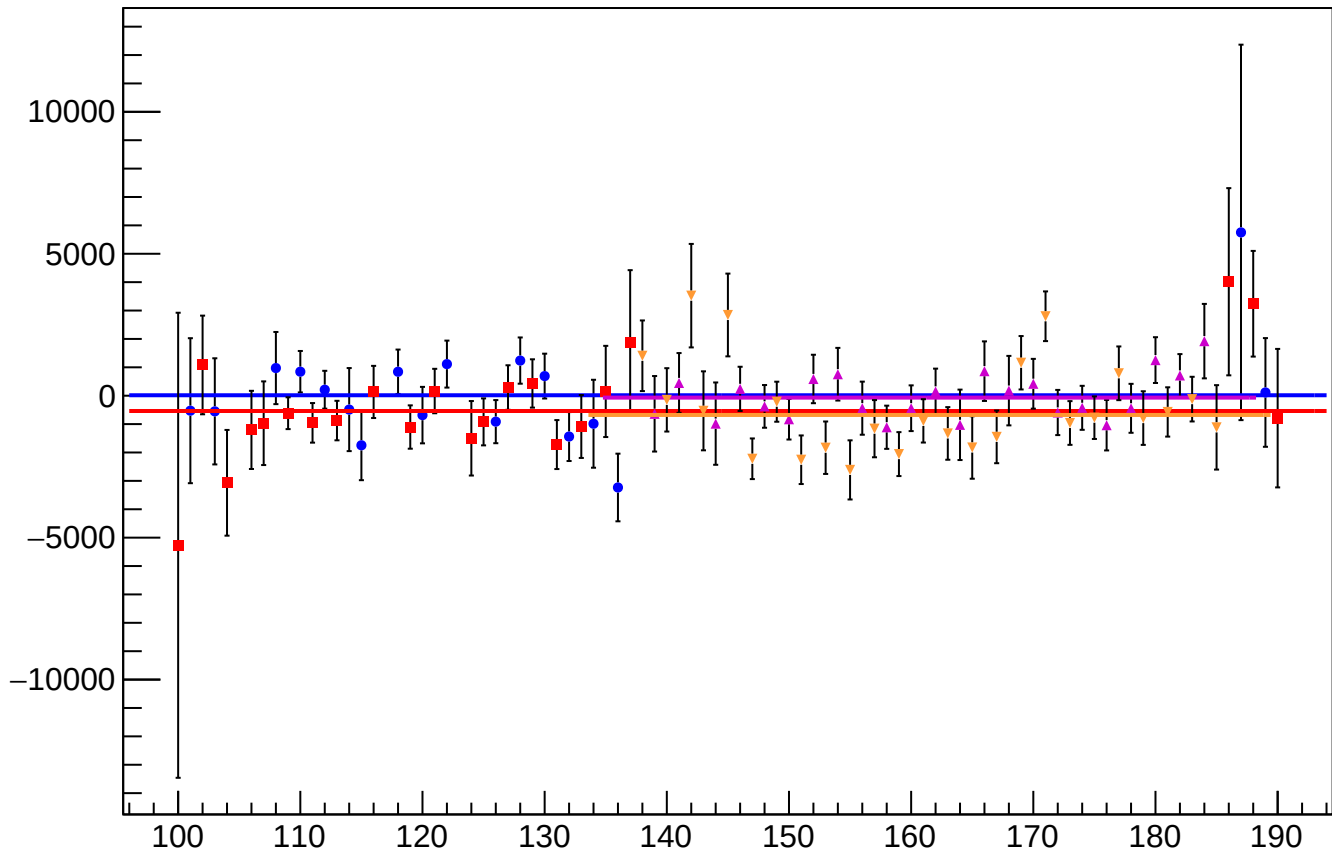
Left In: 2741.391+/-0.453 χ^2/NDF : 3369.6/22

+ sign 2760.827+/-0.376 χ^2/NDF : 755464.5/42

All: 2765.074+/-0.266 χ^2/NDF : 977671.8/87

- sign 2769.308+/-0.375 χ^2/NDF : 221952.5/44

asym_atr1_dit_correction_mean vs Slug



Right In: 15.964 ± 235.500 χ^2/NDF : 23.6/17

Left Out: -678.226 ± 185.004 χ^2/NDF : 56.2/24

Right Out: -538.517 ± 214.340 χ^2/NDF : 18.3/21

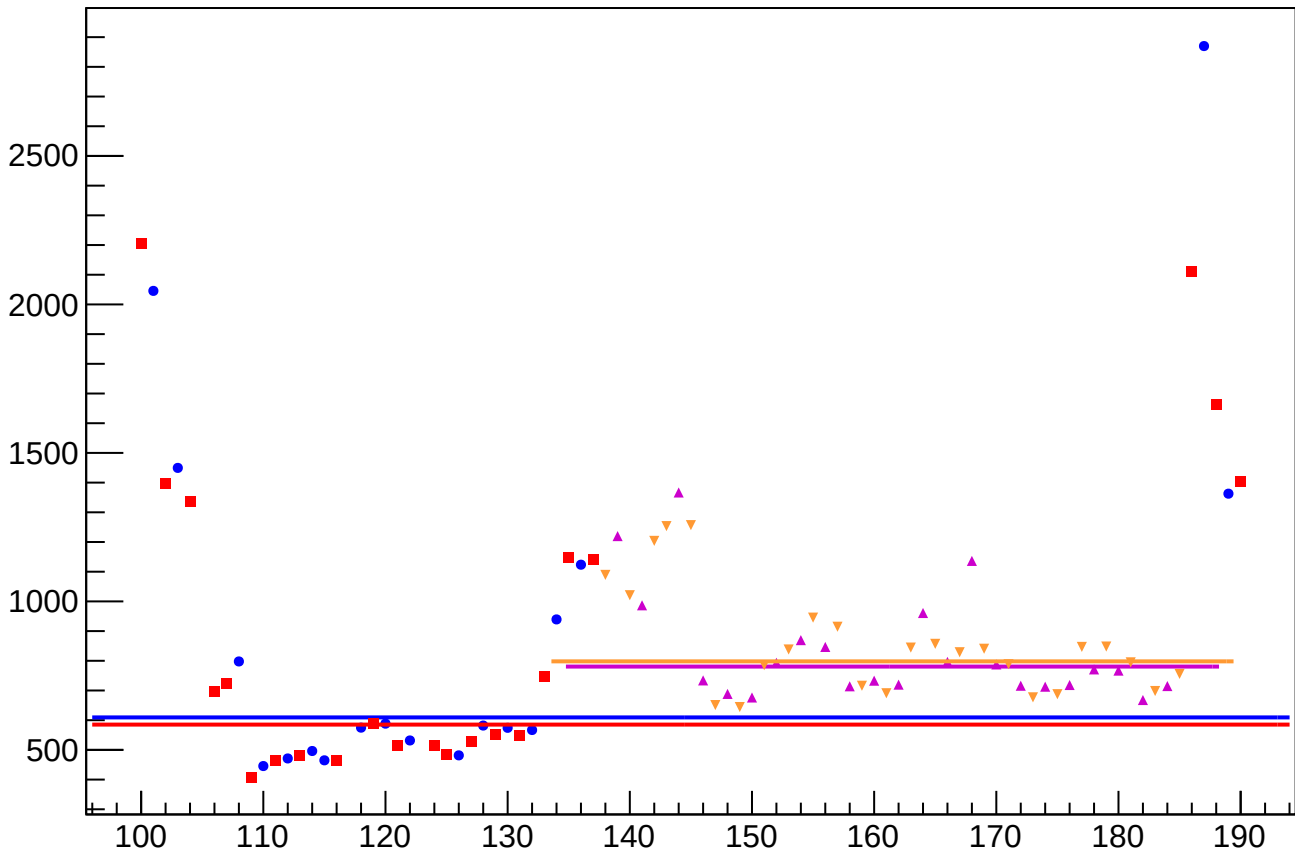
Left In: -67.156 ± 185.436 χ^2/NDF : 15.8/22

+ sign -413.307 ± 145.482 χ^2/NDF : 85.2/42

All: -338.471 ± 100.966 χ^2/NDF : 122.6/87

- sign -268.934 ± 140.237 χ^2/NDF : 36.9/44

asym_atr1_dit_correction_rms vs Slug



Right In: 609.362 $\pm$ 0.167 χ^2 /NDF: 2403537.1/17

Left Out: 798.091 $\pm$ 0.131 χ^2 /NDF:1168352.1/24

Right Out: 585.145 $\pm$ 0.152 χ^2 /NDF: 2986824.3/21

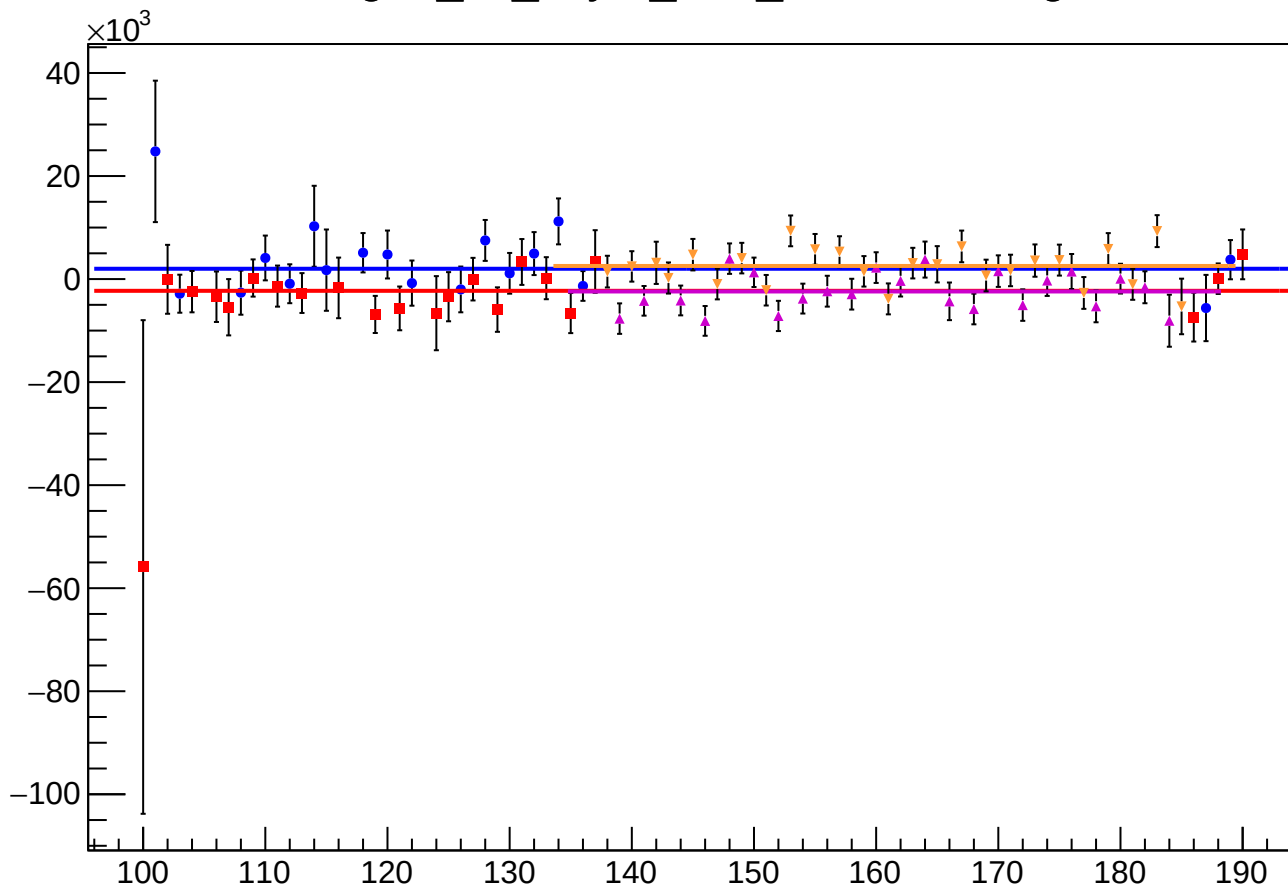
Left In: 780.525 $\pm$ 0.131 χ^2 /NDF:1064827.5/22

+ sign 726.068 $\pm$ 0.103 χ^2 /NDF: 4366183.9/42

All: 710.942 $\pm$ 0.071 χ^2 /NDF: 9409984.5/87

- sign 696.888 $\pm$ 0.099 χ^2 /NDF: 5002094.1/44

eigen_dit_asym_atr1_mean vs Slug



Right In: 2002.084+/-1023.260 χ^2/NDF : 19.5/17

Left Out: 2545.044+/-622.236 χ^2/NDF :31.9/24

Right Out: -2279.195+/-949.701 χ^2/NDF : 14.0/21

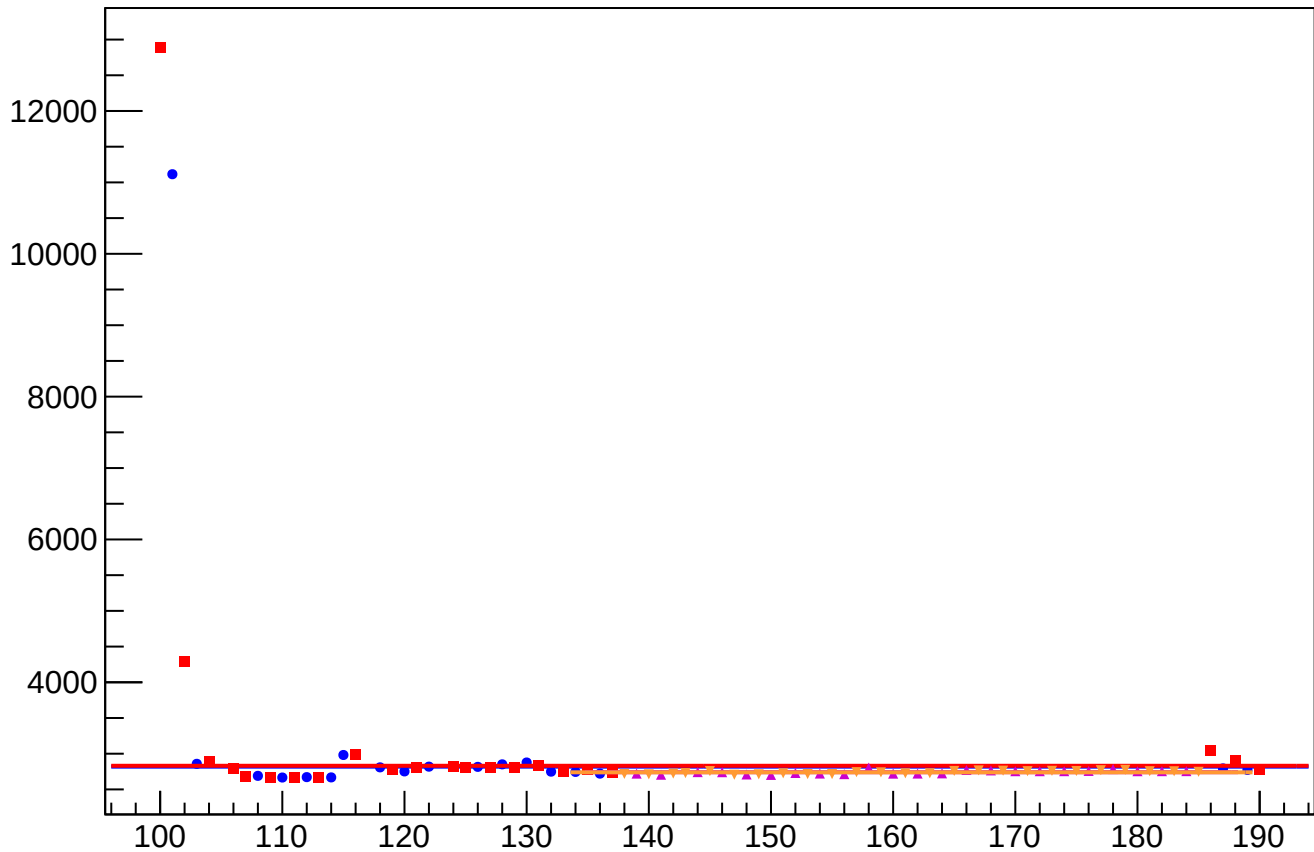
Left In: -2406.858+/-640.084 χ^2/NDF :31.8/22

+ sign 2398.470+/-531.655 χ^2/NDF : 51.6/42

All: 11.830+/-375.628 χ^2/NDF : 137.7/87

- sign -2366.981+/-530.783 χ^2/NDF : 45.8/44

eigen_dit_asym_atr1_rms vs Slug



Right In: 2819.033+/-0.724 χ^2/NDF : 744278.0/17

Left Out: 2739.304+/-0.440 χ^2/NDF : 2322.3/24

Right Out: 2830.764+/-0.672 χ^2/NDF : 206403.0/21

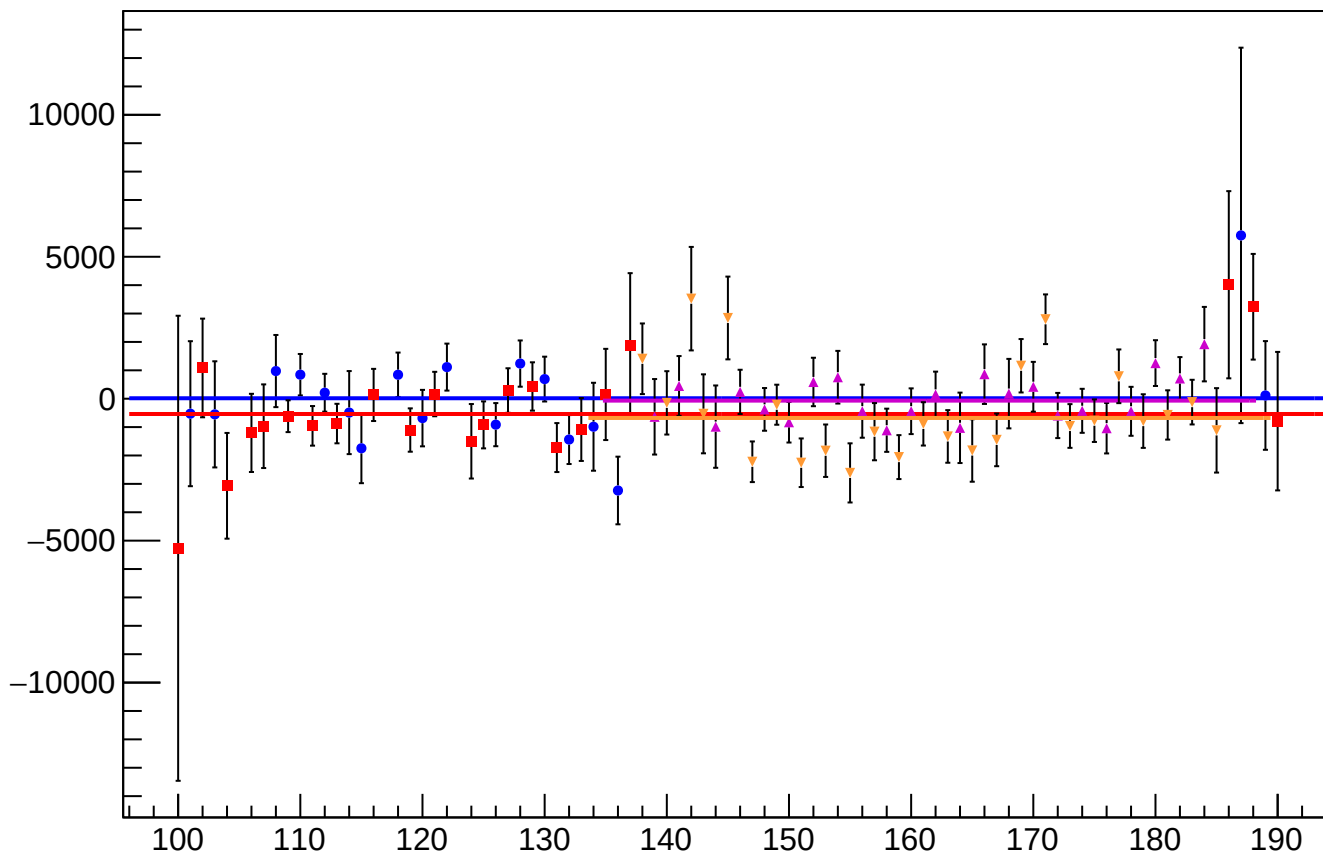
Left In: 2741.391+/-0.453 χ^2/NDF : 3369.6/22

+ sign 2760.827+/-0.376 χ^2/NDF : 755464.5/42

All: 2765.074+/-0.266 χ^2/NDF : 977671.6/87

- sign 2769.308+/-0.375 χ^2/NDF : 221952.2/44

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: 15.964 $\pm$ 235.500 χ^2 /NDF: 23.6/17

Left Out: -678.227 $\pm$ 185.004 χ^2 /NDF:56.2/24

Right Out: -538.517 $\pm$ 214.340 χ^2 /NDF: 18.3/21

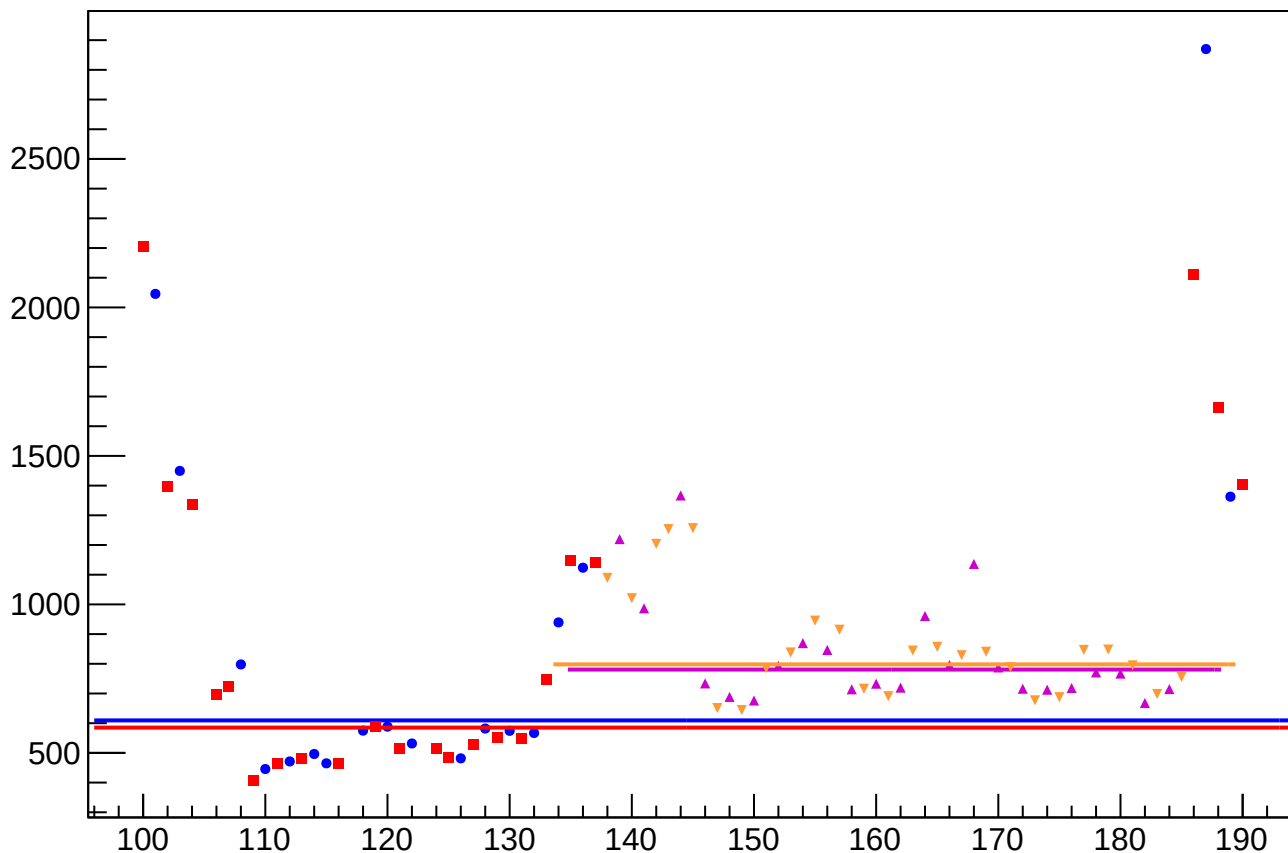
Left In: -67.157 $\pm$ 185.436 χ^2 /NDF:15.8/22

+ sign -413.308 $\pm$ 145.482 χ^2 /NDF: 85.2/42

All: -338.472 $\pm$ 100.966 χ^2 /NDF: 122.6/87

- sign -268.934 $\pm$ 140.237 χ^2 /NDF: 36.9/44

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 609.362 $\pm$ 0.167 χ^2 /NDF: 2403531.7/17

Left Out: 798.092 $\pm$ 0.131 χ^2 /NDF:1168353.9/24

Right Out: 585.145 $\pm$ 0.152 χ^2 /NDF: 2986822.6/21

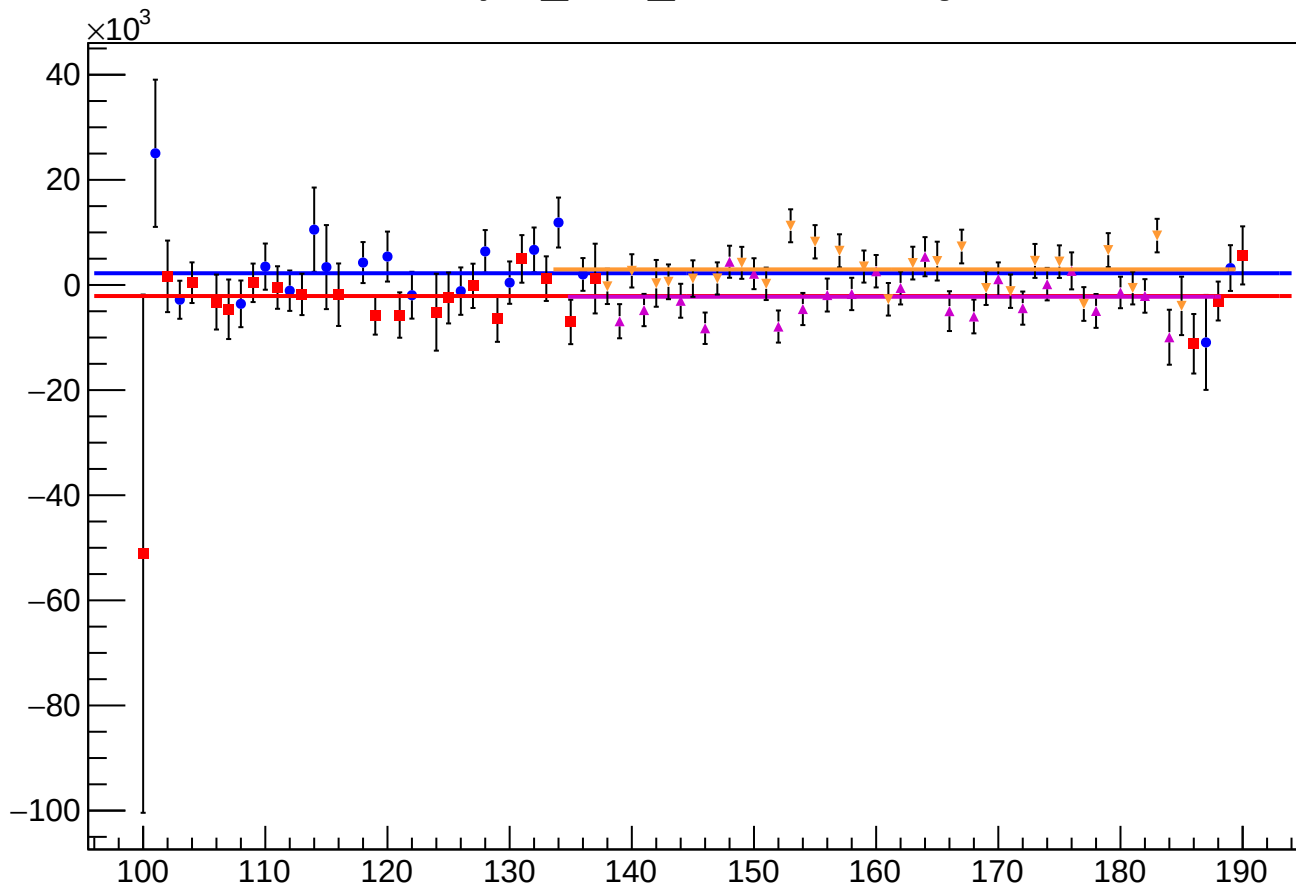
Left In: 780.525 $\pm$ 0.131 χ^2 /NDF:1064830.7/22

+ sign 726.068 $\pm$ 0.103 χ^2 /NDF: 4366176.9/42

All: 710.942 $\pm$ 0.071 χ^2 /NDF: 9409976.7/87

- sign 696.888 $\pm$ 0.099 χ^2 /NDF: 5002092.6/44

asym_atr1_mean vs Slug



Right In: 2233.428 $\pm$ 1064.688 χ^2 /NDF: 19.0/17

Left Out: 2969.337 $\pm$ 653.286 χ^2 /NDF:35.7/24

Right Out: -2102.601 $\pm$ 999.133 χ^2 /NDF: 14.9/21

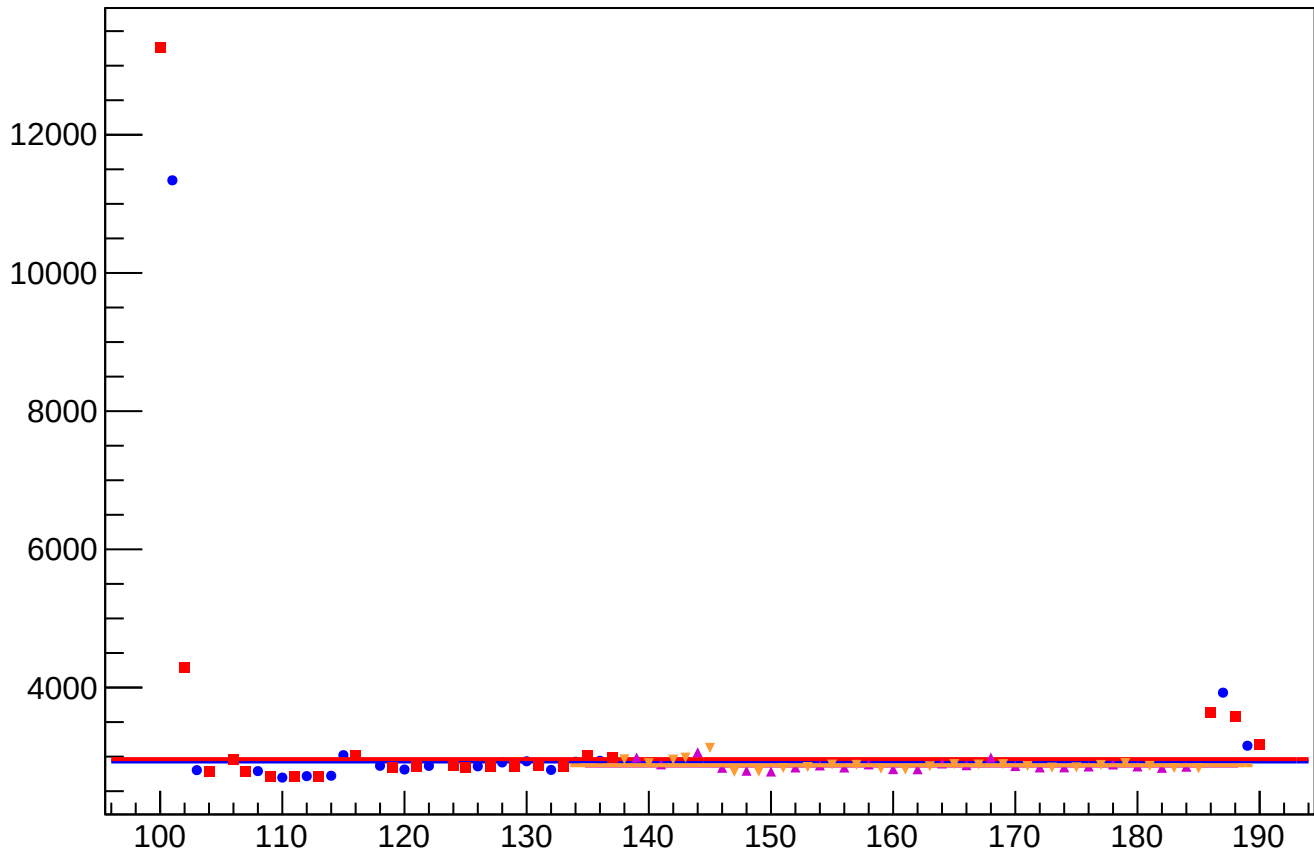
Left In: -2237.495 $\pm$ 670.327 χ^2 /NDF:33.8/22

+ sign 2768.052 $\pm$ 556.821 χ^2 /NDF: 55.1/42

All: 285.468 $\pm$ 393.673 χ^2 /NDF: 143.6/87

- sign -2195.624 $\pm$ 556.654 χ^2 /NDF: 48.7/44

asym_atr1_rms vs Slug



Right In: 2929.504+/-0.753 χ^2/NDF : 773092.5/17

Left Out: 2874.933+/-0.462 χ^2/NDF :21788.8/24

Right Out: 2964.138+/-0.706 χ^2/NDF : 294107.5/21

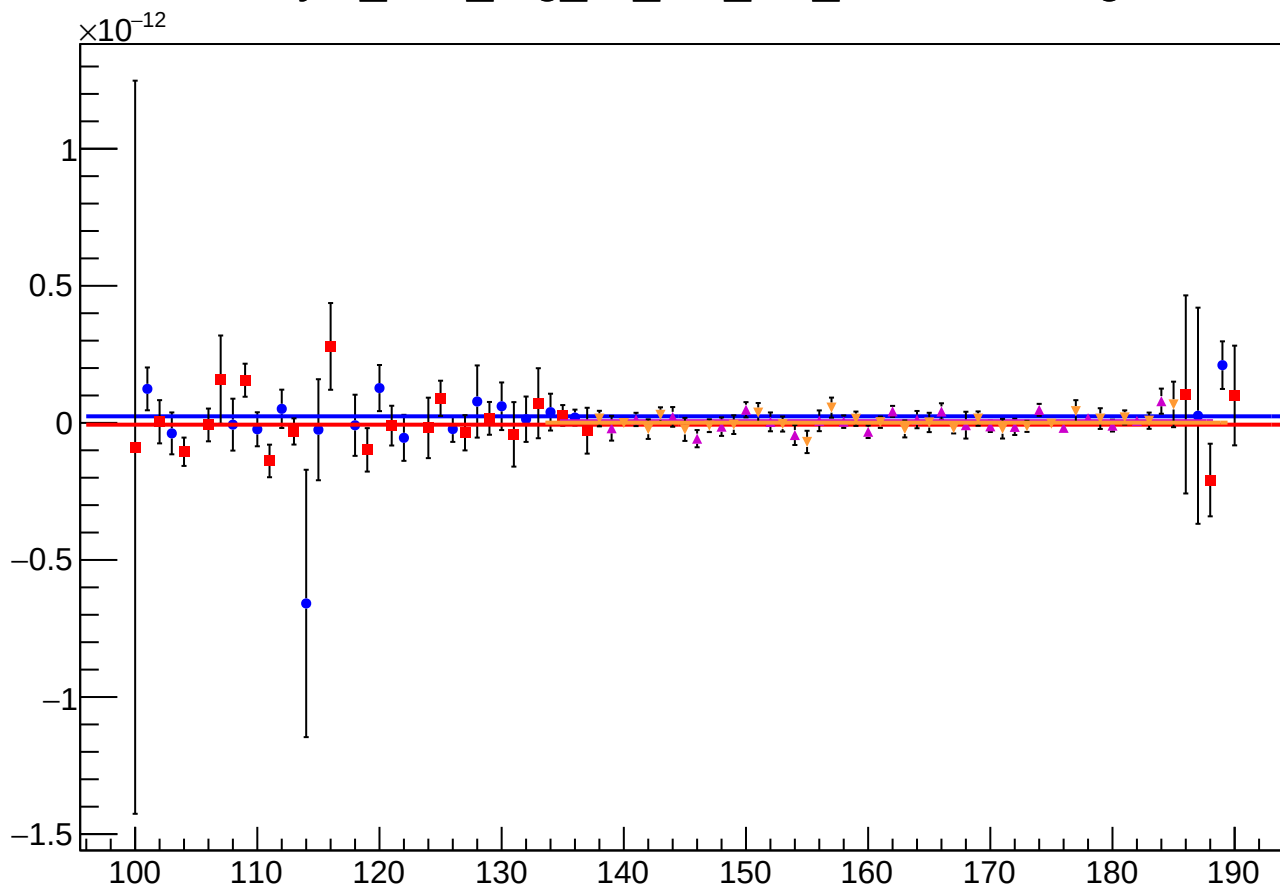
Left In: 2870.153+/-0.474 χ^2/NDF :17687.5/22

+ sign 2889.859+/-0.394 χ^2/NDF : 798698.4/42

All: 2894.594+/-0.278 χ^2/NDF : 1122986.4/87

- sign 2899.326+/-0.394 χ^2/NDF : 323998.9/44

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:14.4/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.5/21

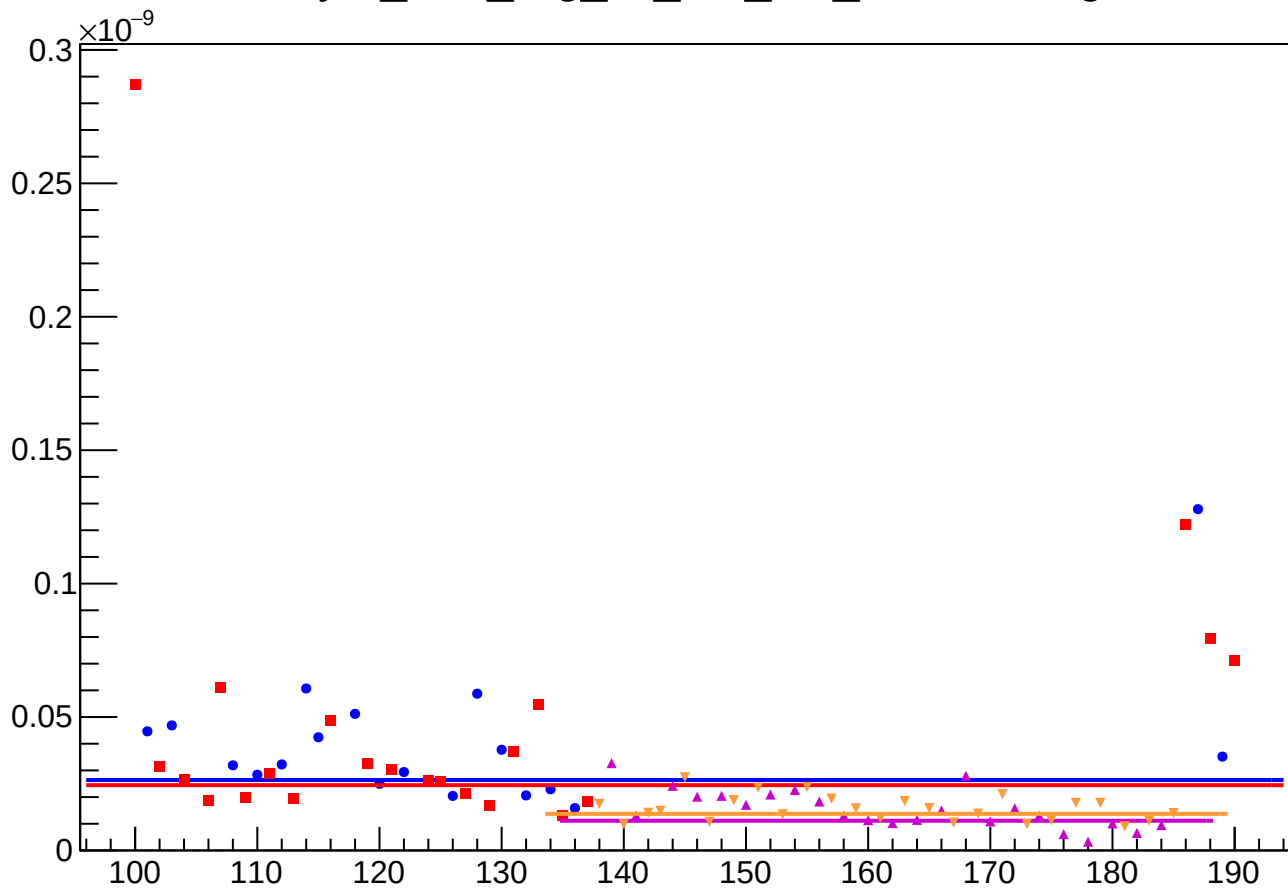
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.9/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 87.0/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 57.1/44

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1020330.8/17

Left Out: 0.000+/-0.000 χ^2/NDF :1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1322205.0/21

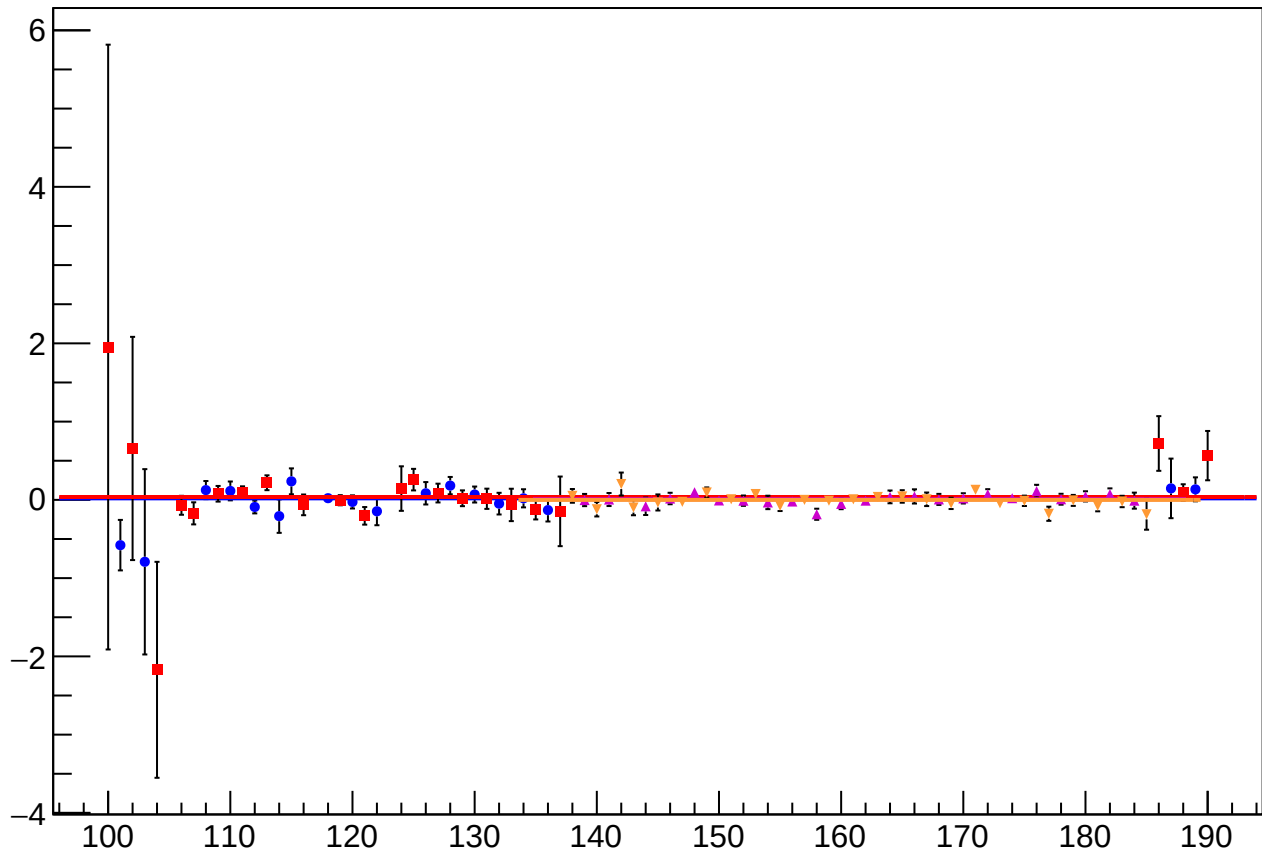
Left In: 0.000+/-0.000 χ^2/NDF :3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 3291290.8/42

All: 0.000+/-0.000 χ^2/NDF : 9388050.0/87

- sign 0.000+/-0.000 χ^2/NDF : 5830627.9/44

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.027 χ^2 /NDF: 15.7/17

Left Out: -0.000 $\pm$ 0.014 χ^2 /NDF:22.6/24

Right Out: 0.037 $\pm$ 0.027 χ^2 /NDF: 27.9/21

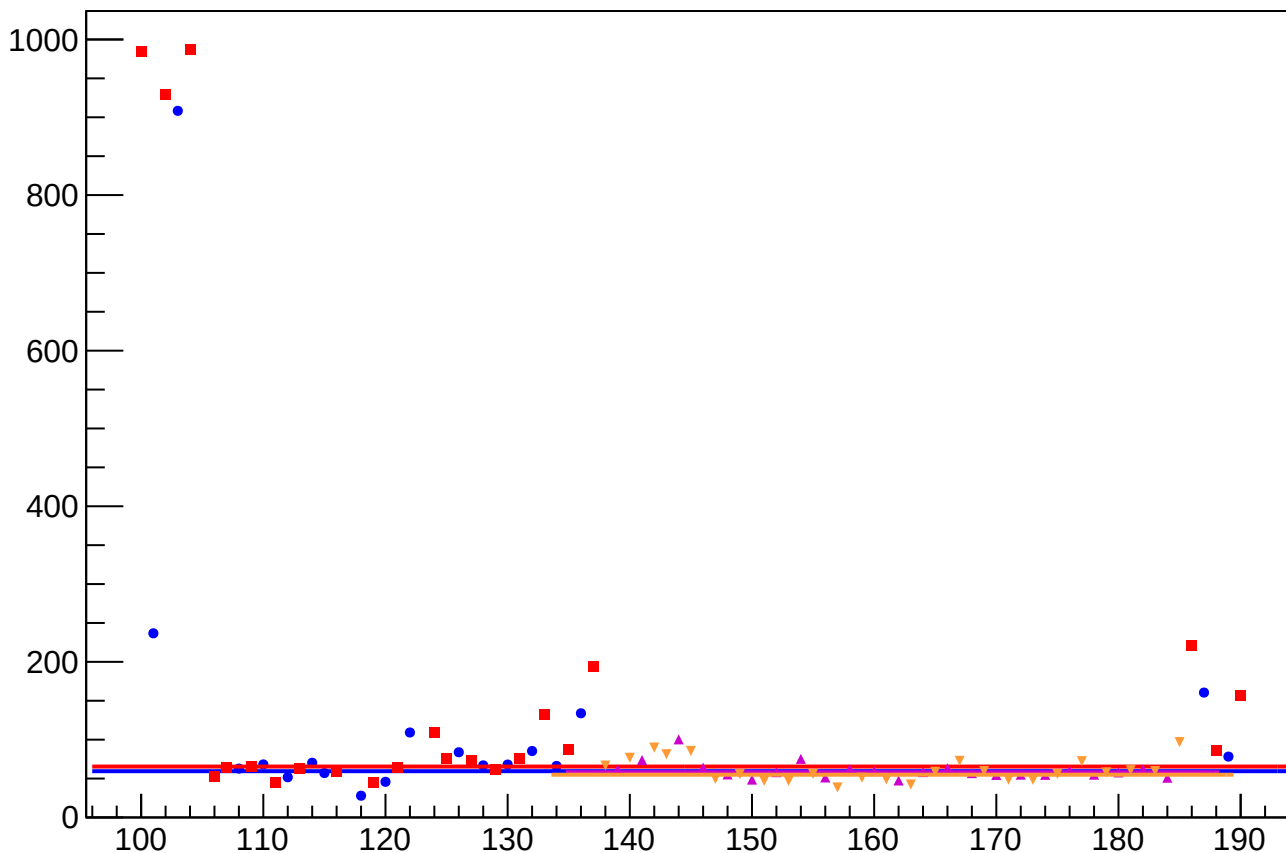
Left In: 0.008 $\pm$ 0.015 χ^2 /NDF:15.5/22

+ sign 0.004 $\pm$ 0.013 χ^2 /NDF: 38.7/42

All: 0.009 $\pm$ 0.009 χ^2 /NDF: 83.4/87

- sign 0.015 $\pm$ 0.013 χ^2 /NDF: 44.3/44

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 59.471 $\pm$ 0.019 χ^2 /NDF: 3434664.5/17

Left Out: 54.931 $\pm$ 0.010 χ^2 /NDF: 1297647.2/24

Right Out: 65.409 $\pm$ 0.019 χ^2 /NDF: 3294689.3/21

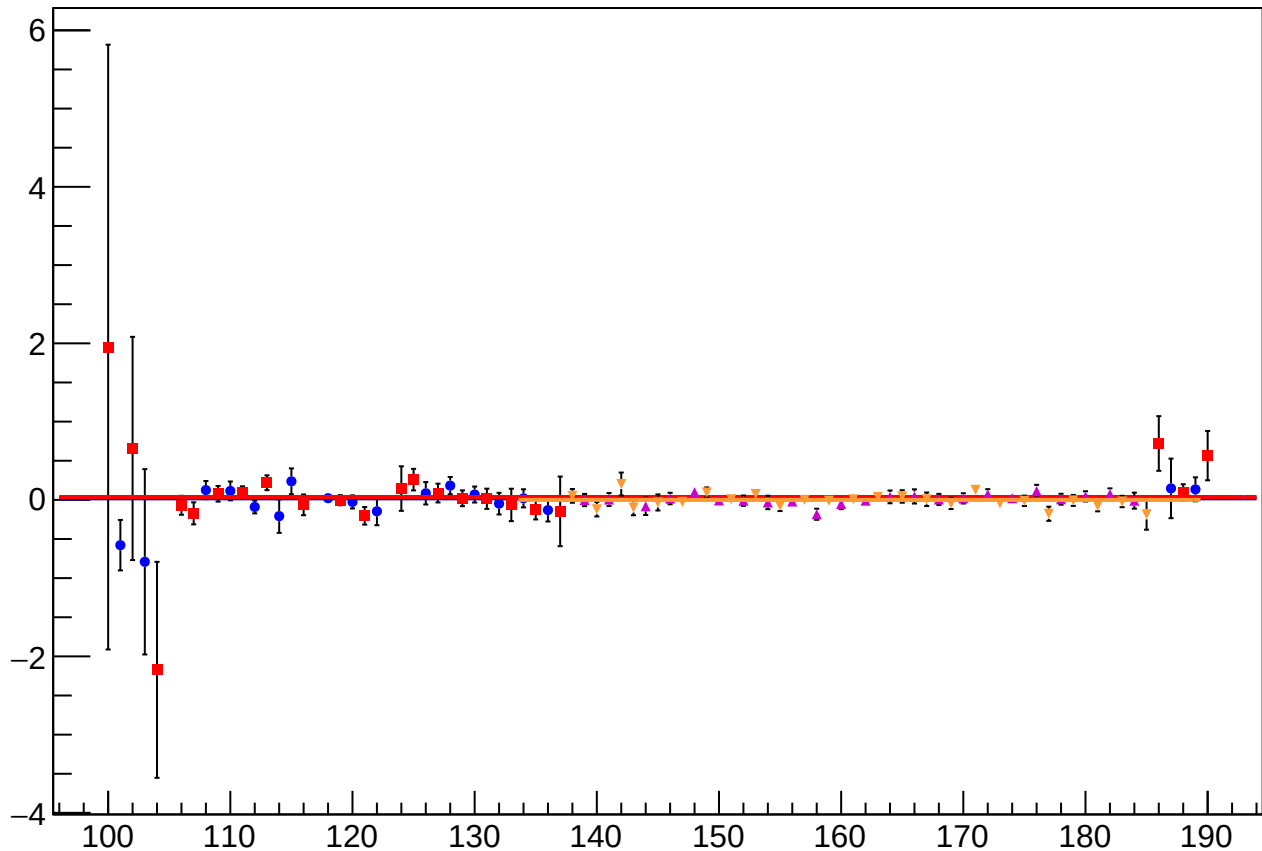
Left In: 58.138 $\pm$ 0.010 χ^2 /NDF: 657436.9/22

+ sign 55.886 $\pm$ 0.009 χ^2 /NDF: 4775963.4/42

All: 57.786 $\pm$ 0.006 χ^2 /NDF: 8935550.7/87

- sign 59.831 $\pm$ 0.009 χ^2 /NDF: 4064000.2/44

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.027 χ^2/NDF : 15.7/17

Left Out: -0.000 $\pm$ 0.014 χ^2/NDF : 22.6/24

Right Out: 0.037 $\pm$ 0.027 χ^2/NDF : 27.9/21

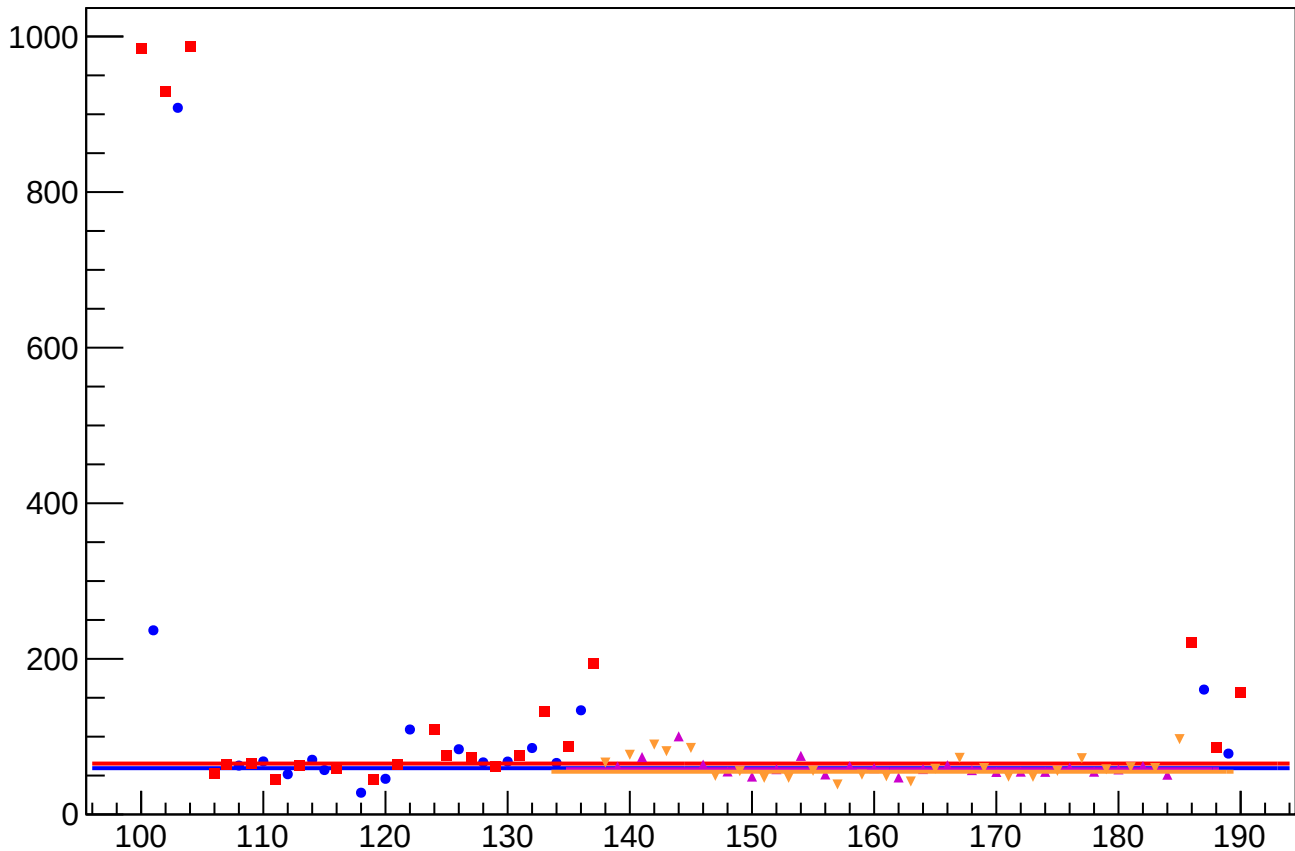
Left In: 0.008 $\pm$ 0.015 χ^2/NDF : 15.5/22

+ sign 0.004 $\pm$ 0.013 χ^2/NDF : 38.7/42

All: 0.009 $\pm$ 0.009 χ^2/NDF : 83.4/87

- sign 0.015 $\pm$ 0.013 χ^2/NDF : 44.3/44

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.471 $\pm$ 0.019 χ^2 /NDF: 3434664.5/17

Left Out: 54.931 $\pm$ 0.010 χ^2 /NDF: 1297647.2/24

Right Out: 65.409 $\pm$ 0.019 χ^2 /NDF: 3294689.3/21

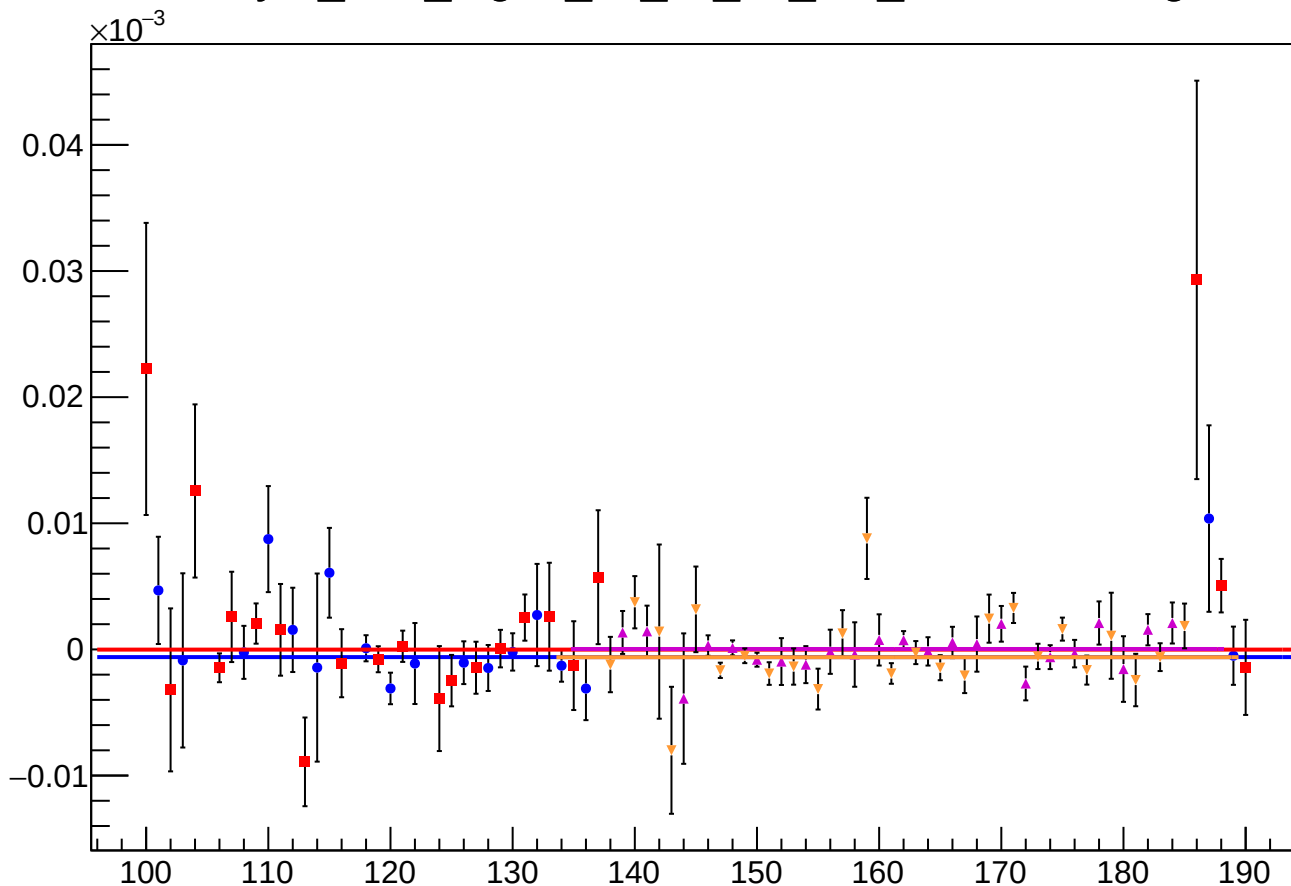
Left In: 58.138 $\pm$ 0.010 χ^2 /NDF: 657436.9/22

+ sign 55.886 $\pm$ 0.009 χ^2 /NDF: 4775963.4/42

All: 57.786 $\pm$ 0.006 χ^2 /NDF: 8935550.7/87

- sign 59.831 $\pm$ 0.009 χ^2 /NDF: 4064000.2/44

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 52.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 34.1/21

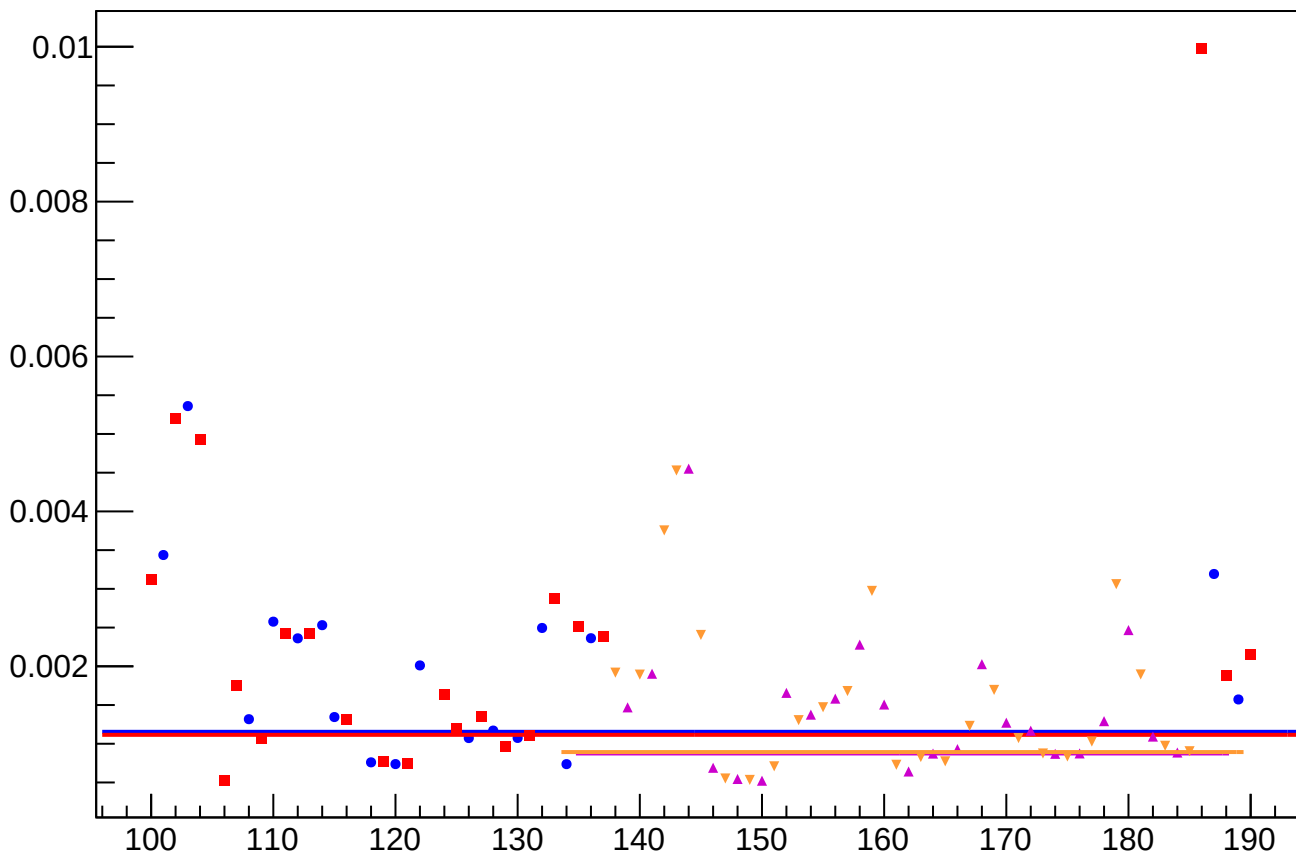
Left In: 0.000 ± 0.000 χ^2/NDF : 18.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 72.2/42

All: -0.000 ± 0.000 χ^2/NDF : 129.2/87

- sign 0.000 ± 0.000 χ^2/NDF : 52.4/44

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 ± 0.000 χ^2/NDF : 3677063.5/17

Left Out: 0.001 ± 0.000 χ^2/NDF : 7739119.9/24

Right Out: 0.001 ± 0.000 χ^2/NDF : 4923127.7/21

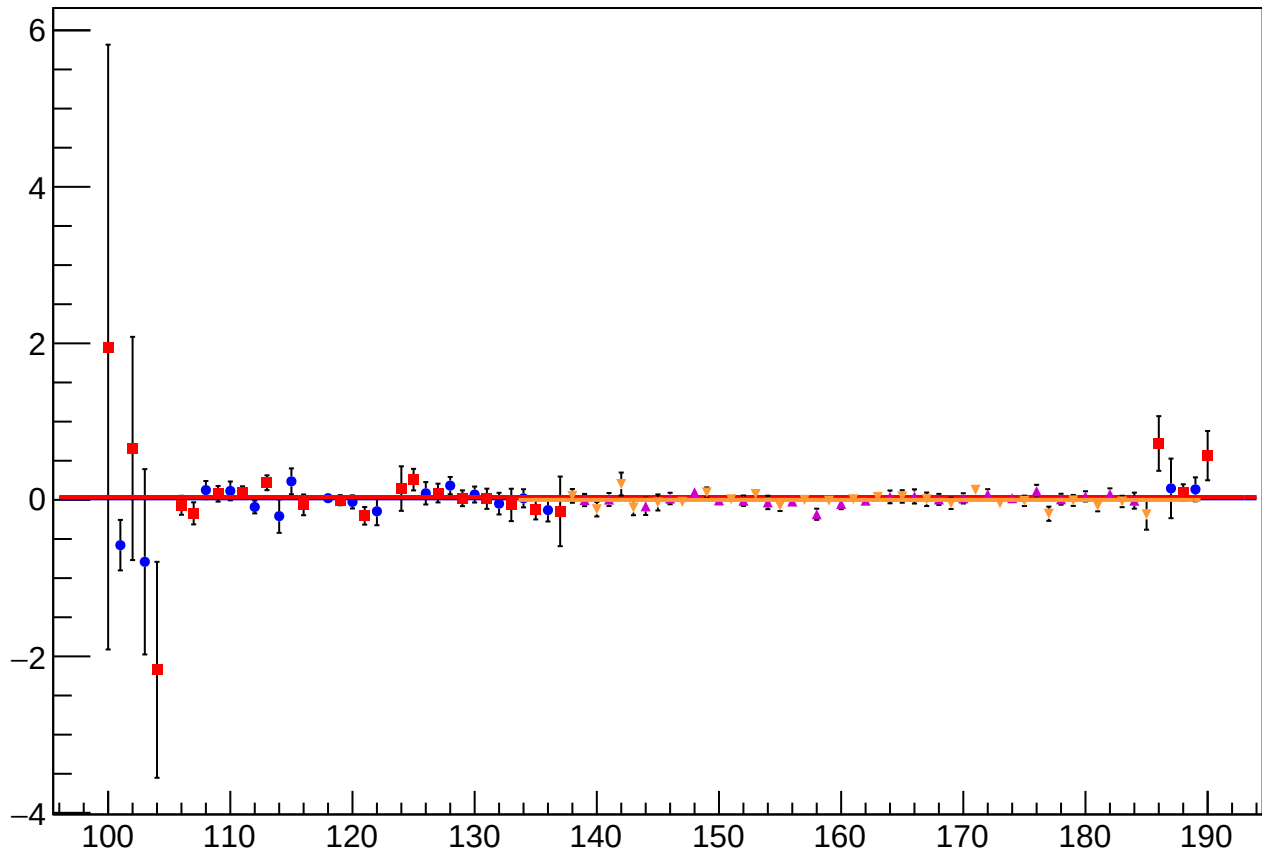
Left In: 0.001 ± 0.000 χ^2/NDF : 6963716.3/22

+ sign 0.001 ± 0.000 χ^2/NDF : 11898138.1/42

All: 0.001 ± 0.000 χ^2/NDF : 24238558.9/87

- sign 0.001 ± 0.000 χ^2/NDF : 12334280.6/44

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.027 χ^2 /NDF: 15.7/17

Left Out: -0.000 $\pm$ 0.014 χ^2 /NDF:22.6/24

Right Out: 0.037 $\pm$ 0.027 χ^2 /NDF: 27.9/21

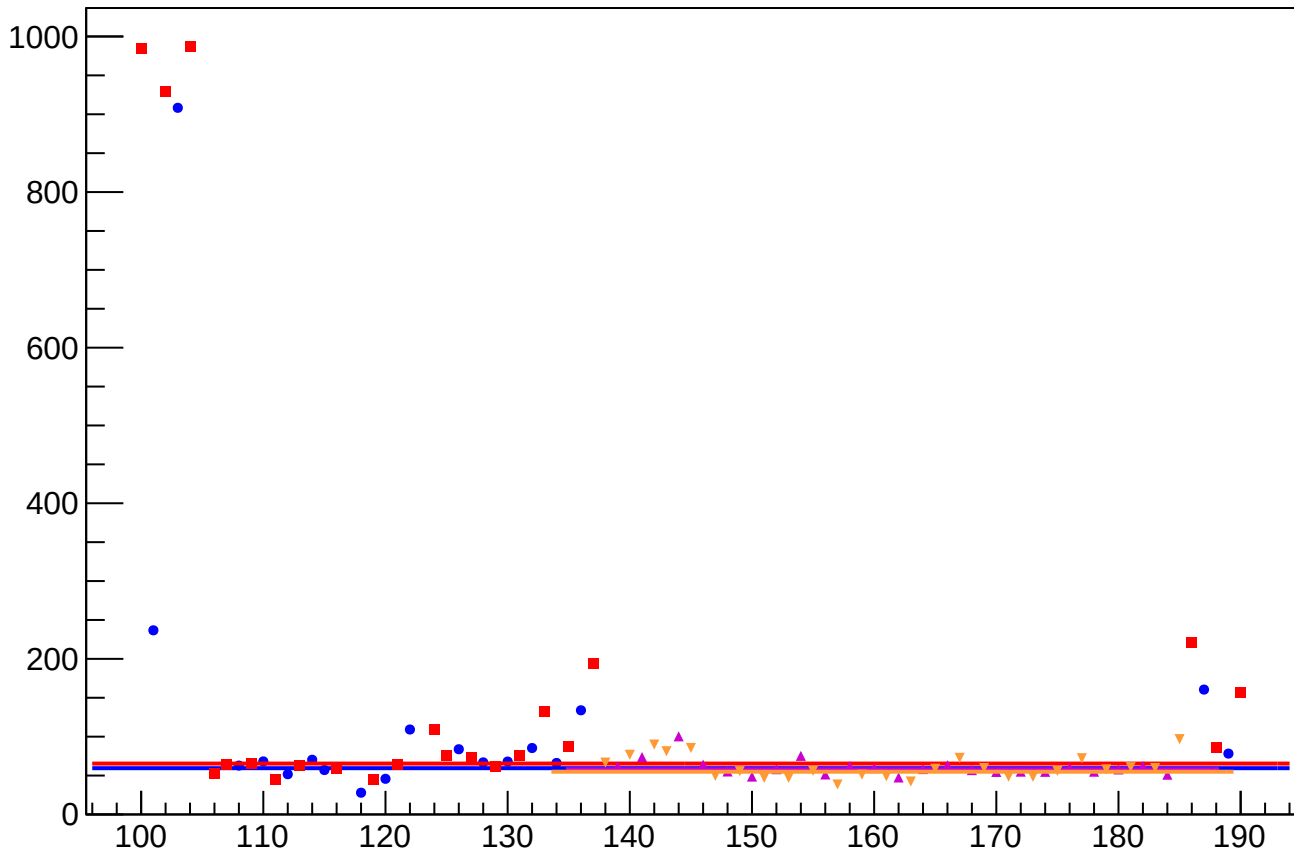
Left In: 0.008 $\pm$ 0.015 χ^2 /NDF:15.5/22

+ sign 0.004 $\pm$ 0.013 χ^2 /NDF: 38.7/42

All: 0.009 $\pm$ 0.009 χ^2 /NDF: 83.4/87

- sign 0.015 $\pm$ 0.013 χ^2 /NDF: 44.3/44

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.470 $\pm$ 0.019 χ^2 /NDF: 3434750.8/17

Left Out: 54.930 $\pm$ 0.010 χ^2 /NDF: 1297722.9/24

Right Out: 65.409 $\pm$ 0.019 χ^2 /NDF: 3294692.8/21

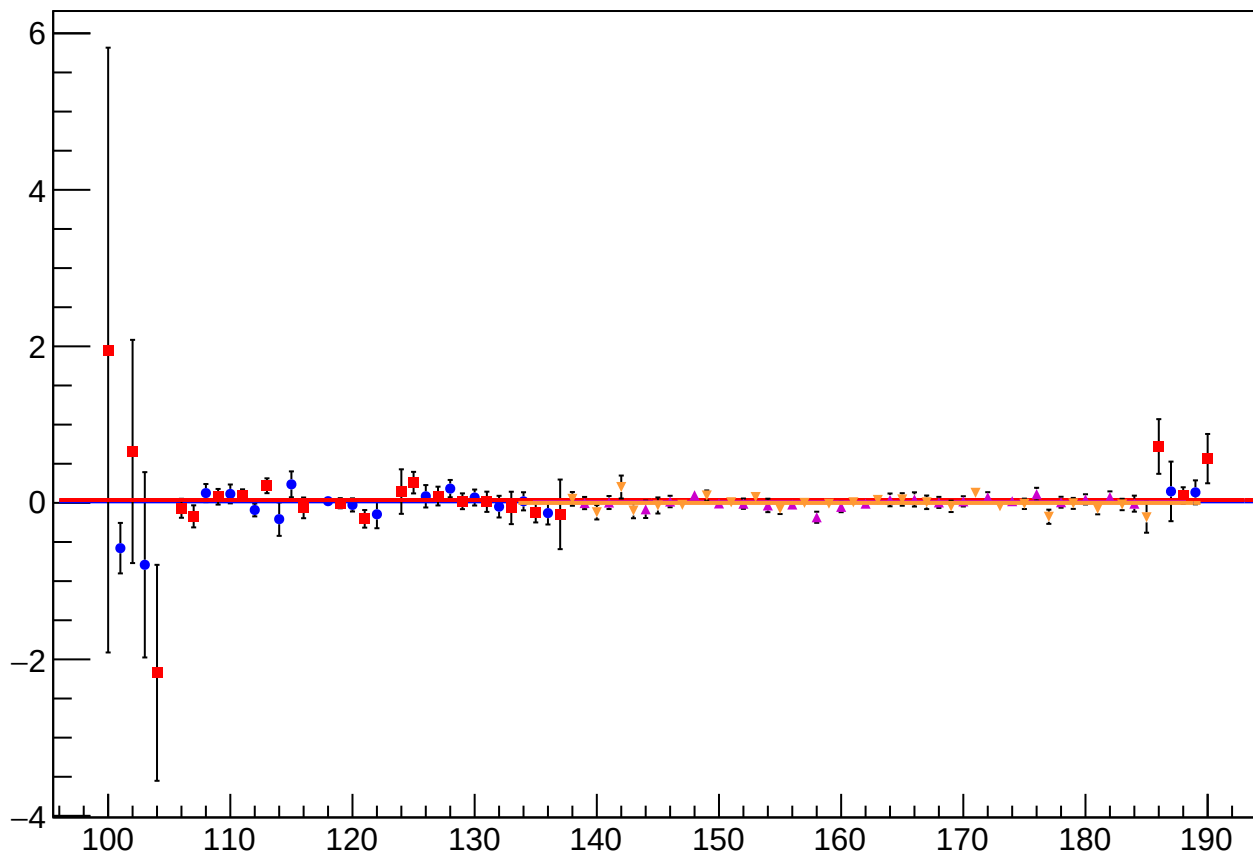
Left In: 58.138 $\pm$ 0.010 χ^2 /NDF: 657460.3/22

+ sign 55.885 $\pm$ 0.009 χ^2 /NDF: 4776118.1/42

All: 57.786 $\pm$ 0.006 χ^2 /NDF: 8935748.2/87

- sign 59.831 $\pm$ 0.009 χ^2 /NDF: 4064018.9/44

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF : 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF : 22.6/24

Right Out: 0.037+/-0.027 χ^2/NDF : 27.9/21

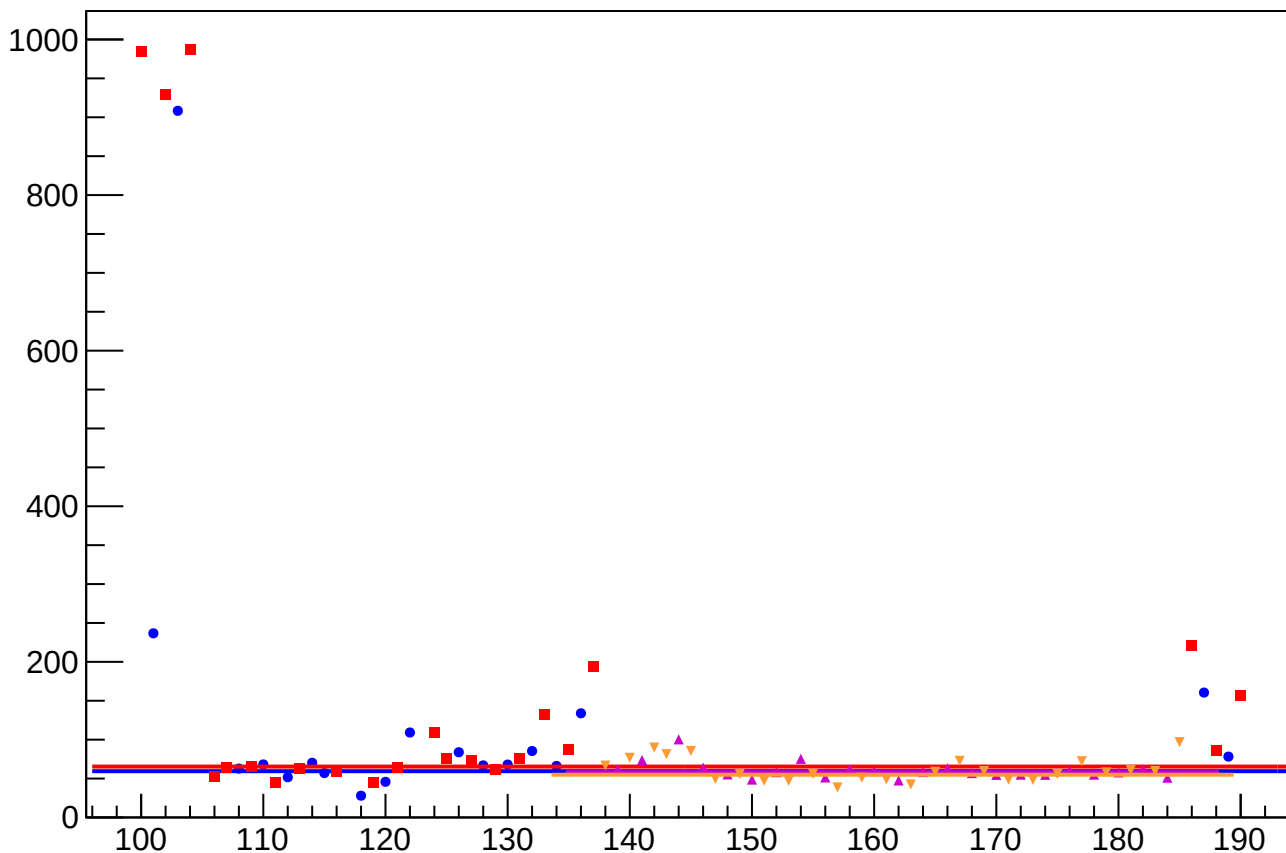
Left In: 0.008+/-0.015 χ^2/NDF : 15.5/22

+ sign 0.004+/-0.013 χ^2/NDF : 38.7/42

All: 0.009+/-0.009 χ^2/NDF : 83.4/87

- sign 0.015+/-0.013 χ^2/NDF : 44.3/44

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.470 $\pm$ 0.019 χ^2 /NDF: 3434750.8/17

Left Out: 54.930 $\pm$ 0.010 χ^2 /NDF: 1297722.9/24

Right Out: 65.409 $\pm$ 0.019 χ^2 /NDF: 3294692.8/21

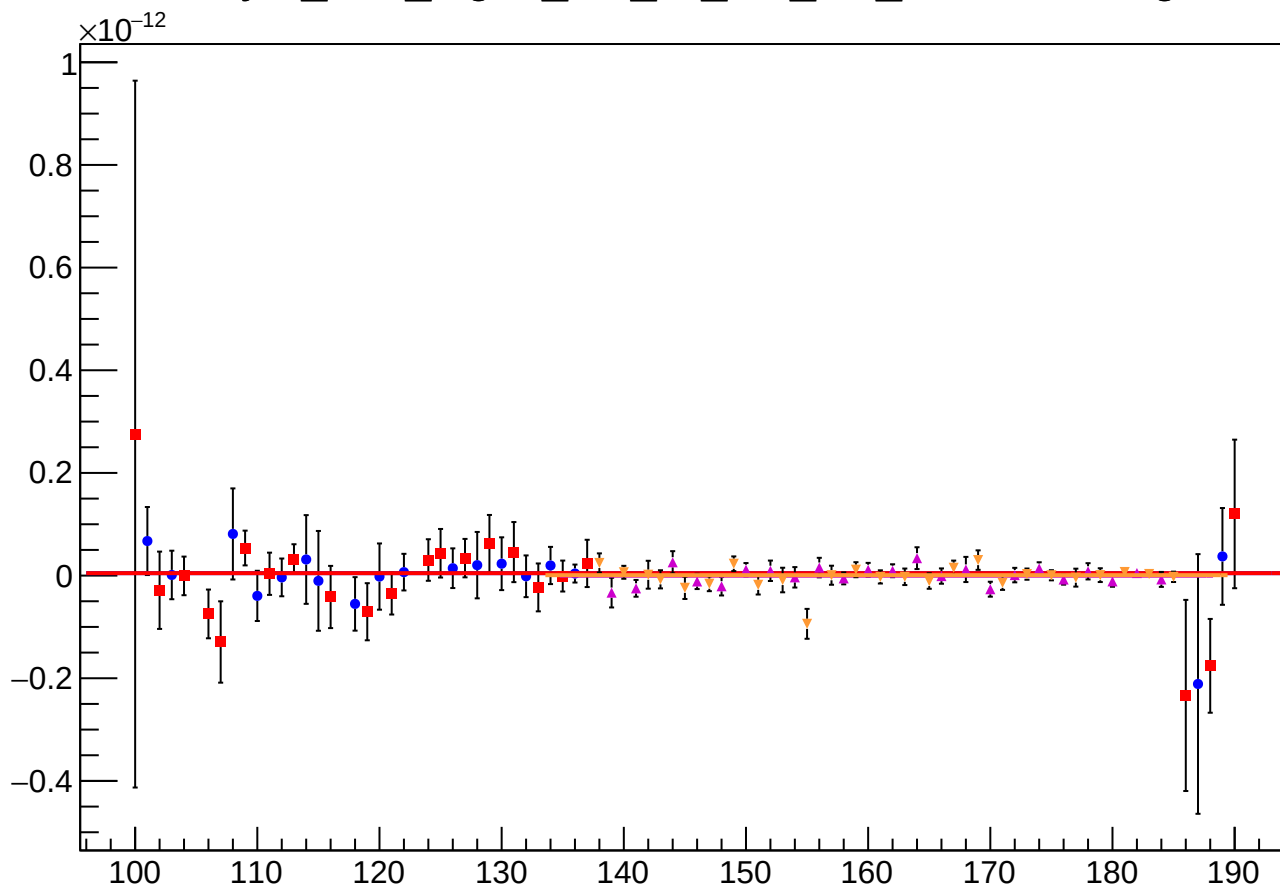
Left In: 58.138 $\pm$ 0.010 χ^2 /NDF: 657460.3/22

+ sign 55.885 $\pm$ 0.009 χ^2 /NDF: 4776118.1/42

All: 57.786 $\pm$ 0.006 χ^2 /NDF: 8935748.2/87

- sign 59.831 $\pm$ 0.009 χ^2 /NDF: 4064018.9/44

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 5.3/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 22.4/21

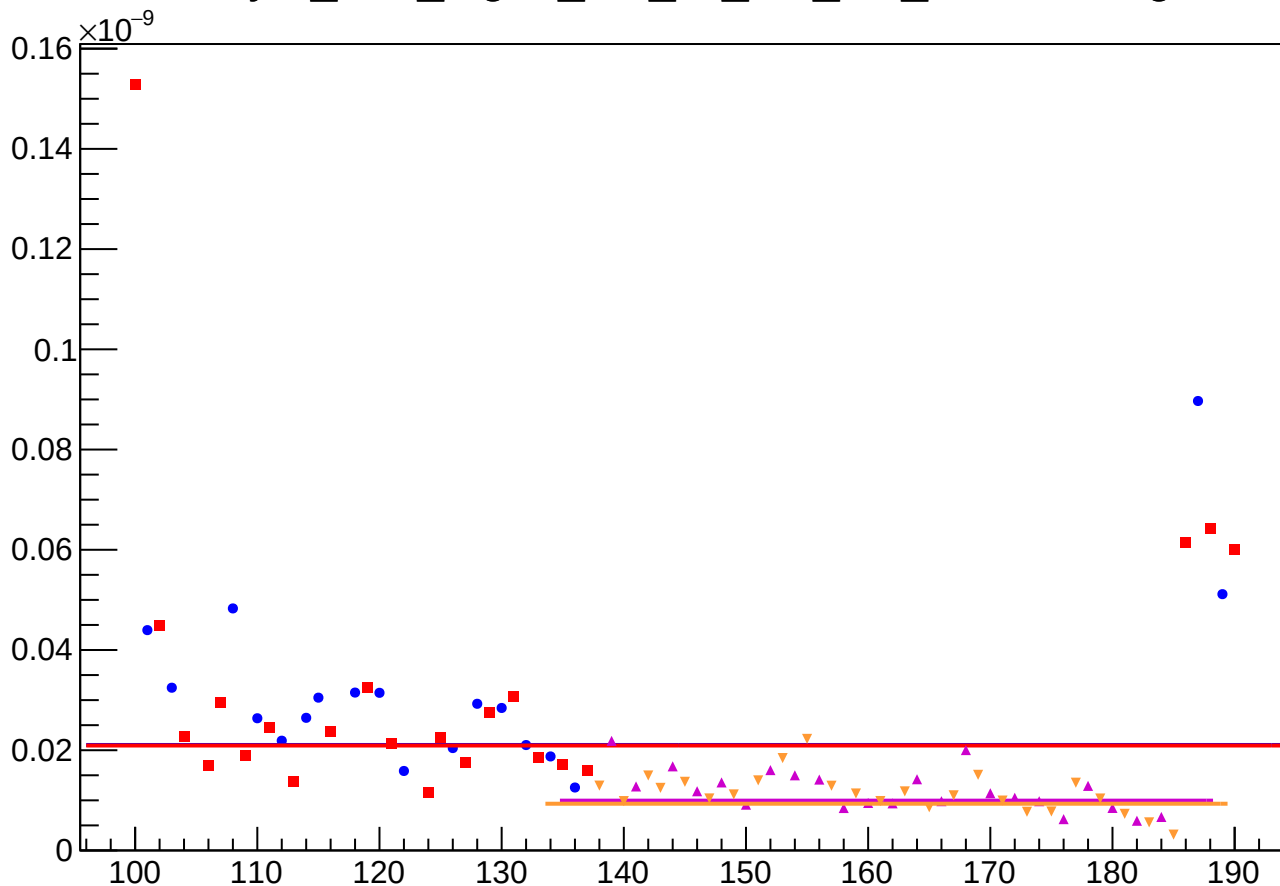
Left In: -0.000 ± 0.000 χ^2/NDF : 20.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 30.7/42

All: 0.000 ± 0.000 χ^2/NDF : 73.6/87

- sign 0.000 ± 0.000 χ^2/NDF : 42.8/44

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1675033.4/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1518180.4/21

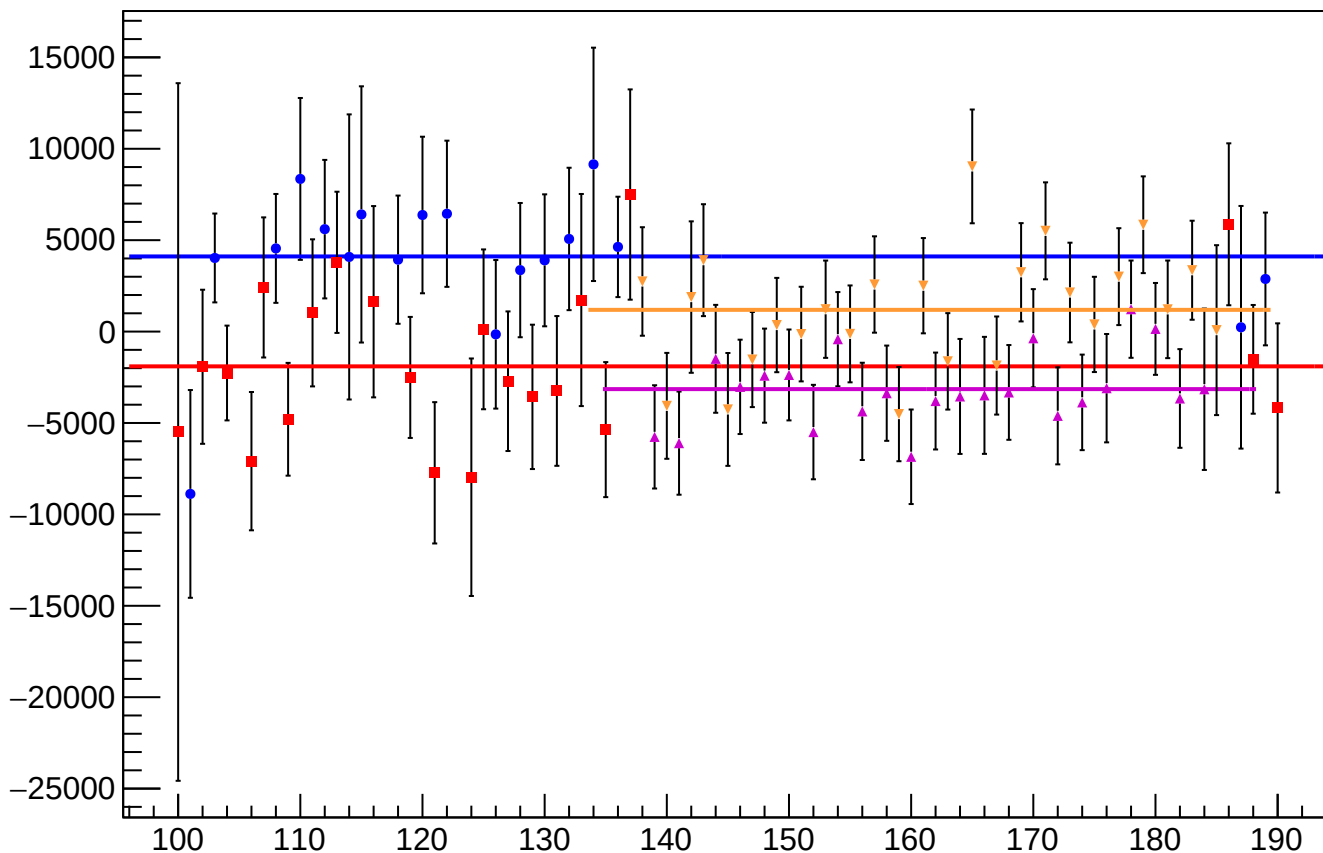
Left In: 0.000+/-0.000 χ^2/NDF : 2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 7215273.1/42

All: 0.000+/-0.000 χ^2/NDF : 13590610.2/87

- sign 0.000+/-0.000 χ^2/NDF : 6312105.7/44

reg_asym_atr2_mean vs Slug



Right In: 4109.988 $\pm$ 912.095 χ^2 /NDF: 9.4/17

Left Out: 1188.836 $\pm$ 556.242 χ^2 /NDF:31.1/24

Right Out: -1902.759 $\pm$ 849.157 χ^2 /NDF: 18.2/21

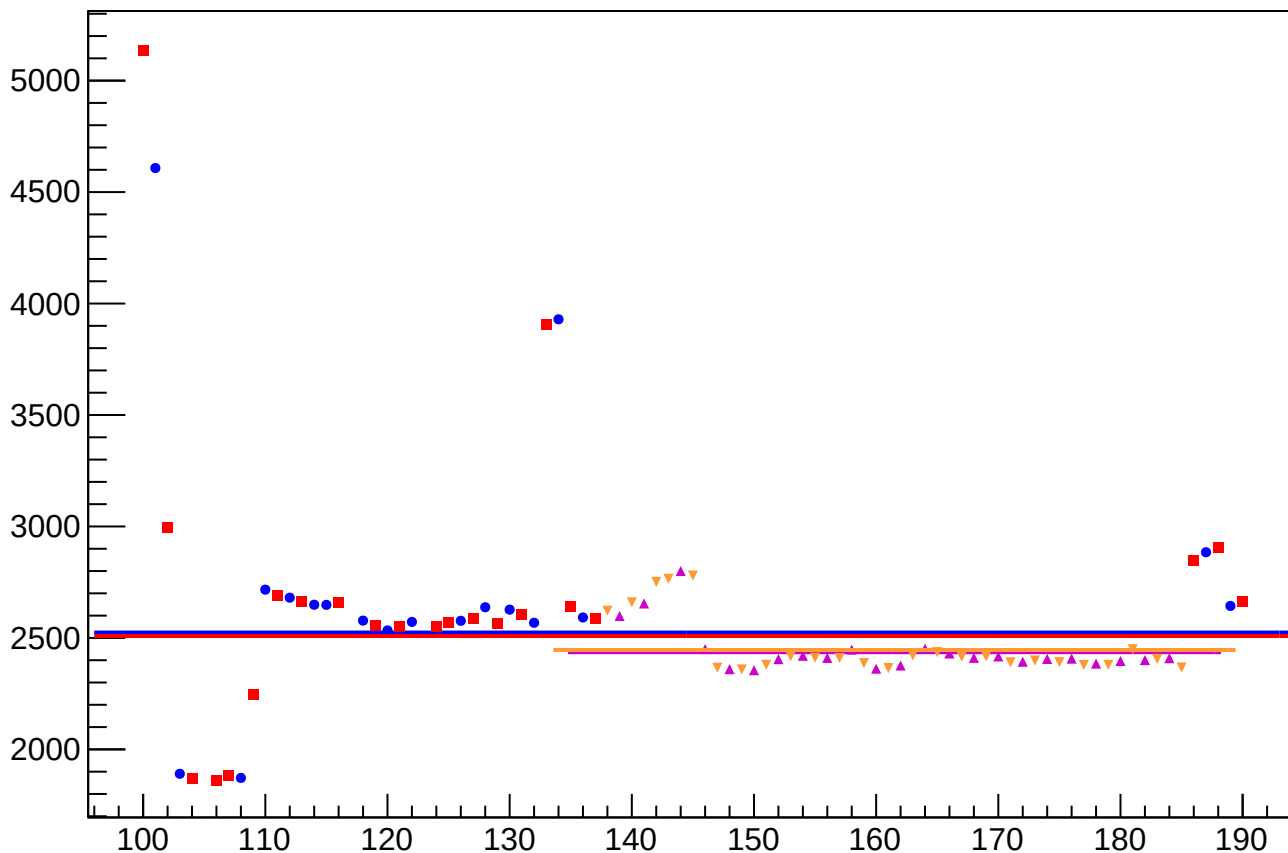
Left In: -3147.419 $\pm$ 569.221 χ^2 /NDF:12.7/22

+ sign 1980.740 $\pm$ 474.897 χ^2 /NDF: 48.0/42

All: -400.796 $\pm$ 335.066 χ^2 /NDF: 130.4/87

- sign -2761.530 $\pm$ 472.818 χ^2 /NDF: 32.4/44

reg_asym_atr2_rms vs Slug



Right In: 2524.093+/-0.645 χ^2/NDF : 620189.1/17

Left Out: 2445.826+/-0.393 χ^2/NDF : 90014.8/24

Right Out: 2508.523+/-0.600 χ^2/NDF : 494457.7/21

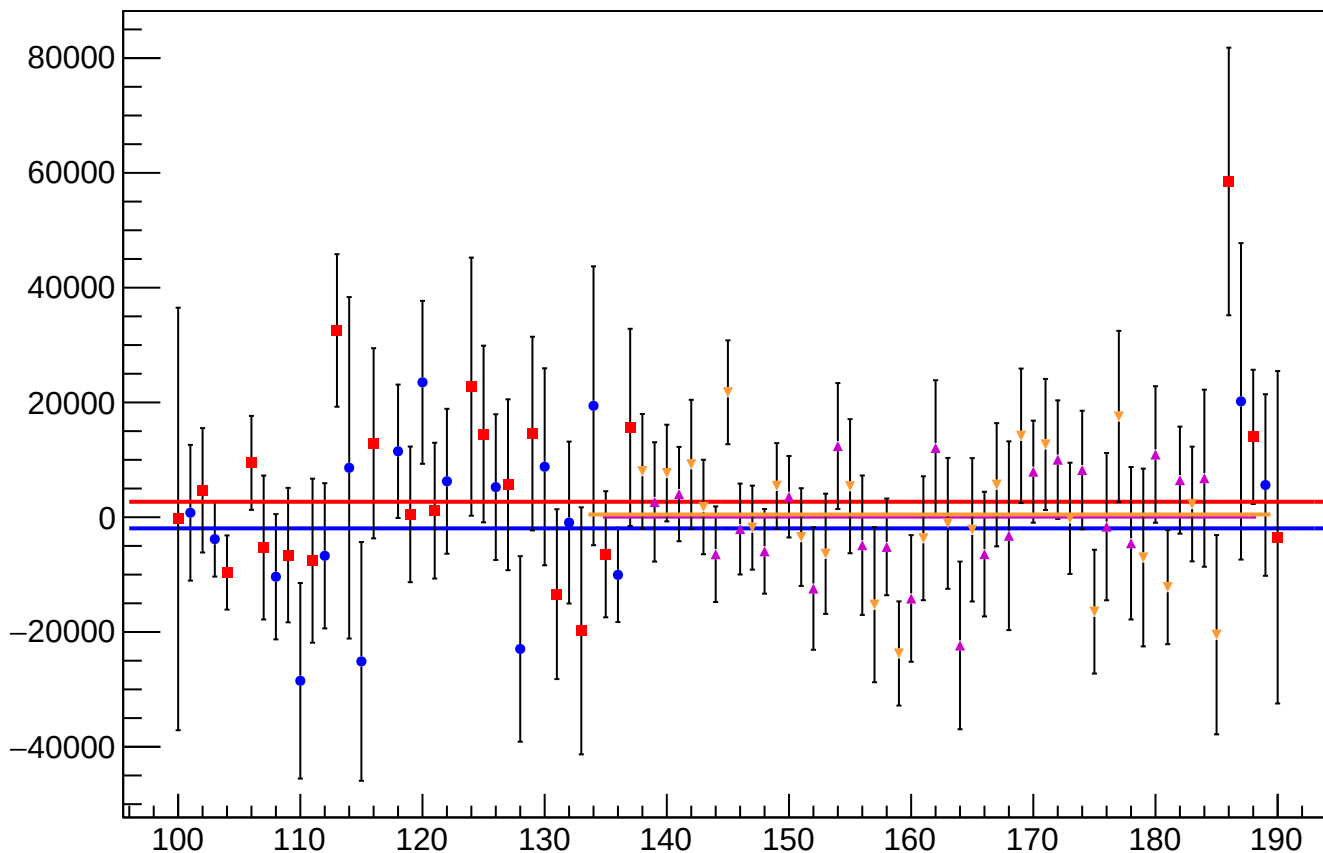
Left In: 2435.950+/-0.403 χ^2/NDF : 59189.9/22

+ sign 2467.043+/-0.336 χ^2/NDF : 720938.3/42

All: 2462.728+/-0.237 χ^2/NDF : 1284994.1/87

- sign 2458.450+/-0.334 χ^2/NDF : 563727.0/44

asym_atr2_reg_correction_mean vs Slug



Right In: -1939.764 $\pm$ 3001.117 χ^2/NDF : 14.7/17

Left Out: 477.187 $\pm$ 2035.969 χ^2/NDF : 27.4/24

Right Out: 2693.380 $\pm$ 2739.705 χ^2/NDF : 23.6/21

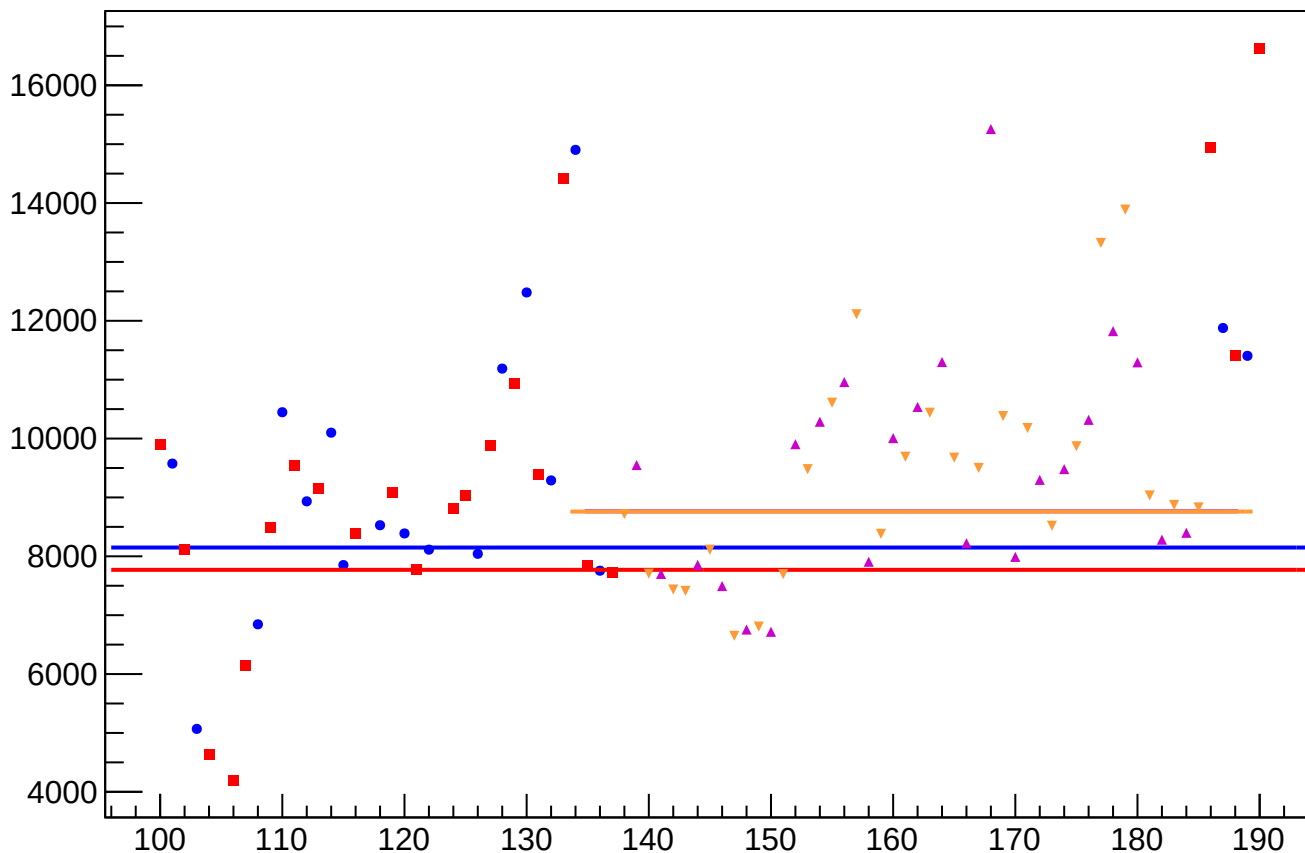
Left In: 104.954 $\pm$ 2090.899 χ^2/NDF : 14.5/22

+ sign -284.581 $\pm$ 1684.846 χ^2/NDF : 42.5/42

All: 395.650 $\pm$ 1183.257 χ^2/NDF : 81.4/87

- sign 1057.672 $\pm$ 1662.142 χ^2/NDF : 38.6/44

asym_atr2_reg_correction_rms vs Slug



Right In: 8148.954+/-2.122 χ^2 /NDF: 1050461.8/17

Left Out: 8759.635+/-1.440 χ^2 /NDF:1222238.0/24

Right Out: 7770.312+/-1.937 χ^2 /NDF: 1896275.8/21

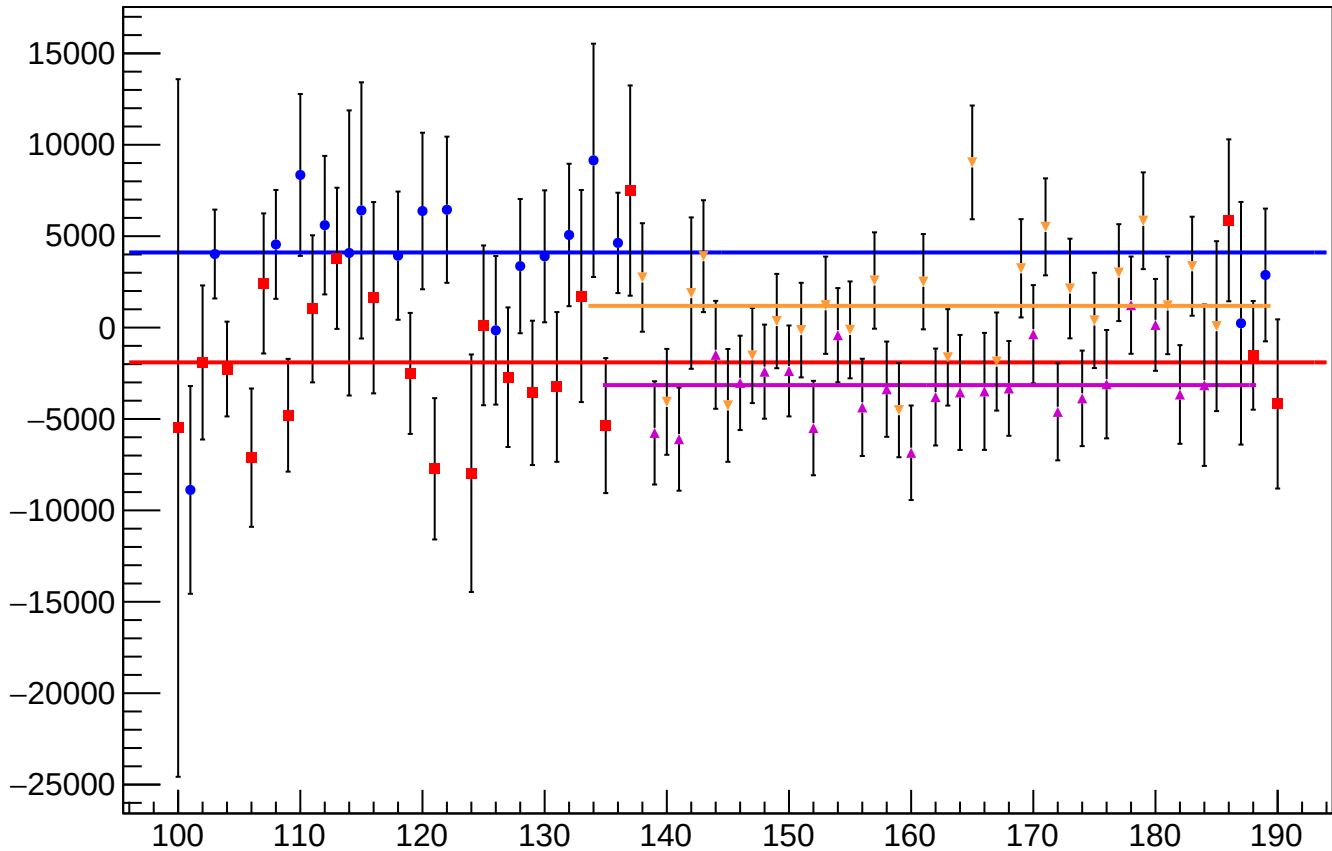
Left In: 8764.138+/-1.478 χ^2 /NDF:1291698.9/22

+ sign 8567.162+/-1.191 χ^2 /NDF: 2329411.4/42

All: 8481.607+/-0.837 χ^2 /NDF: 5693870.0/87

- sign 8398.342+/-1.175 χ^2 /NDF: 3354282.5/44

cor_asym_atr2_mean vs Slug



Right In: 4109.575 $\pm$ 912.096 χ^2 /NDF: 9.4/17

Left Out: 1188.666 $\pm$ 556.242 χ^2 /NDF:31.1/24

Right Out: -1903.274 $\pm$ 849.163 χ^2 /NDF: 18.3/21

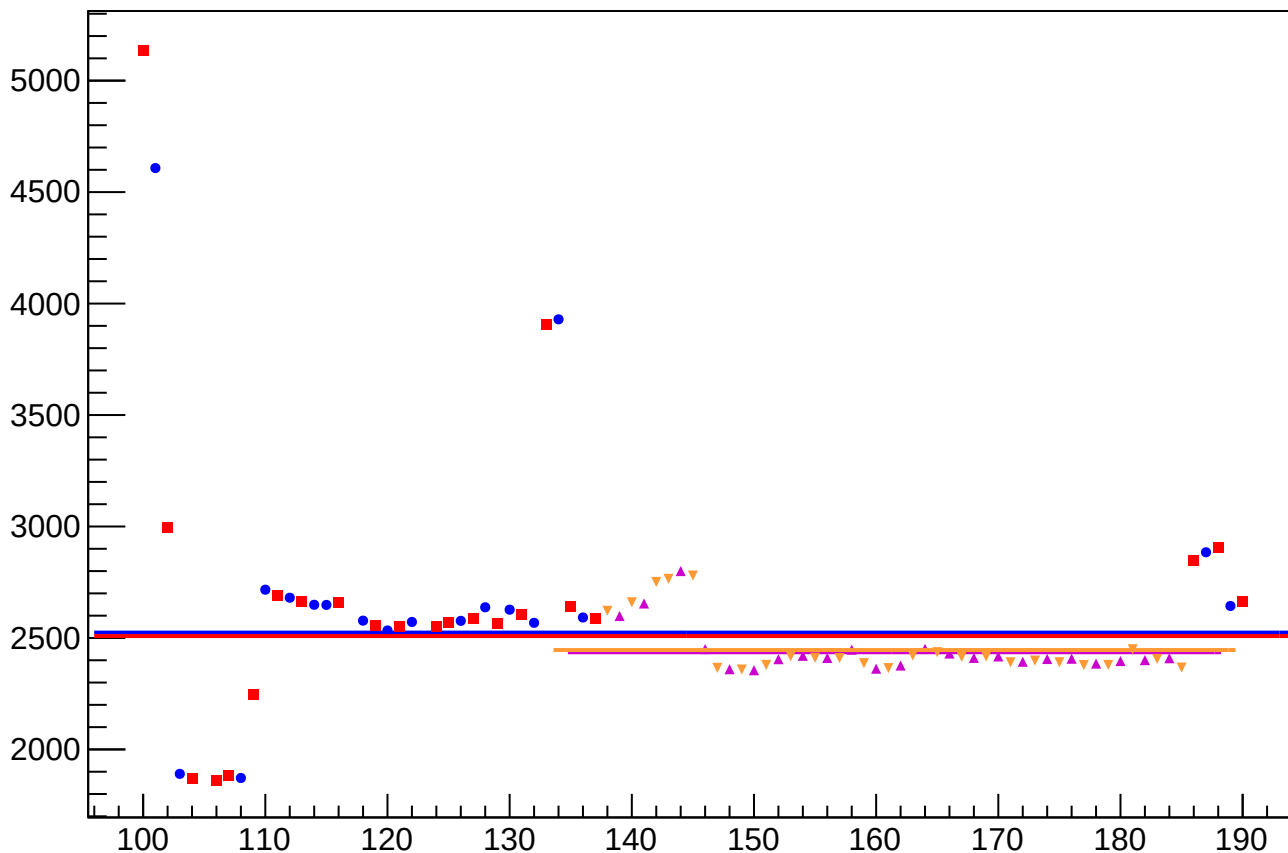
Left In: -3147.222 $\pm$ 569.221 χ^2 /NDF:12.7/22

+ sign 1980.504 $\pm$ 474.897 χ^2 /NDF: 48.0/42

All: -400.923 $\pm$ 335.066 χ^2 /NDF: 130.5/87

- sign -2761.557 $\pm$ 472.819 χ^2 /NDF: 32.4/44

cor_asym_atr2_rms vs Slug



Right In: 2524.093+/-0.645 χ^2/NDF : 620186.8/17

Left Out: 2445.826+/-0.393 χ^2/NDF : 90014.8/24

Right Out: 2508.545+/-0.600 χ^2/NDF : 494396.4/21

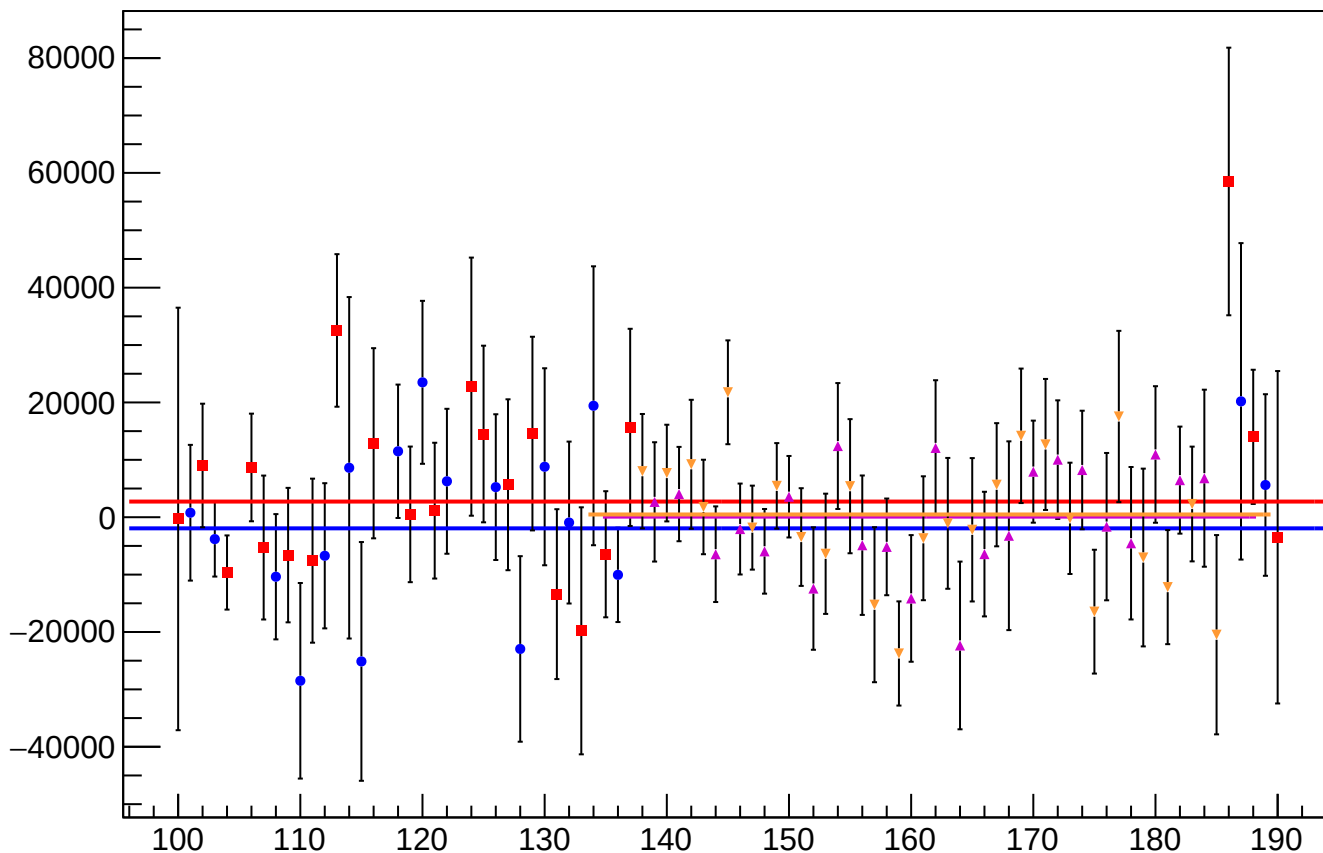
Left In: 2435.950+/-0.403 χ^2/NDF : 59189.9/22

+ sign 2467.043+/-0.336 χ^2/NDF : 720936.3/42

All: 2462.731+/-0.237 χ^2/NDF : 1284936.2/87

- sign 2458.457+/-0.334 χ^2/NDF : 563671.5/44

asym_atr2_cor_correction_mean vs Slug



Right In: -1939.517 ± 3001.199 χ^2/NDF : 14.7/17

Left Out: 477.198 ± 2035.967 χ^2/NDF : 27.4/24

Right Out: 2727.643 ± 2775.719 χ^2/NDF : 23.6/21

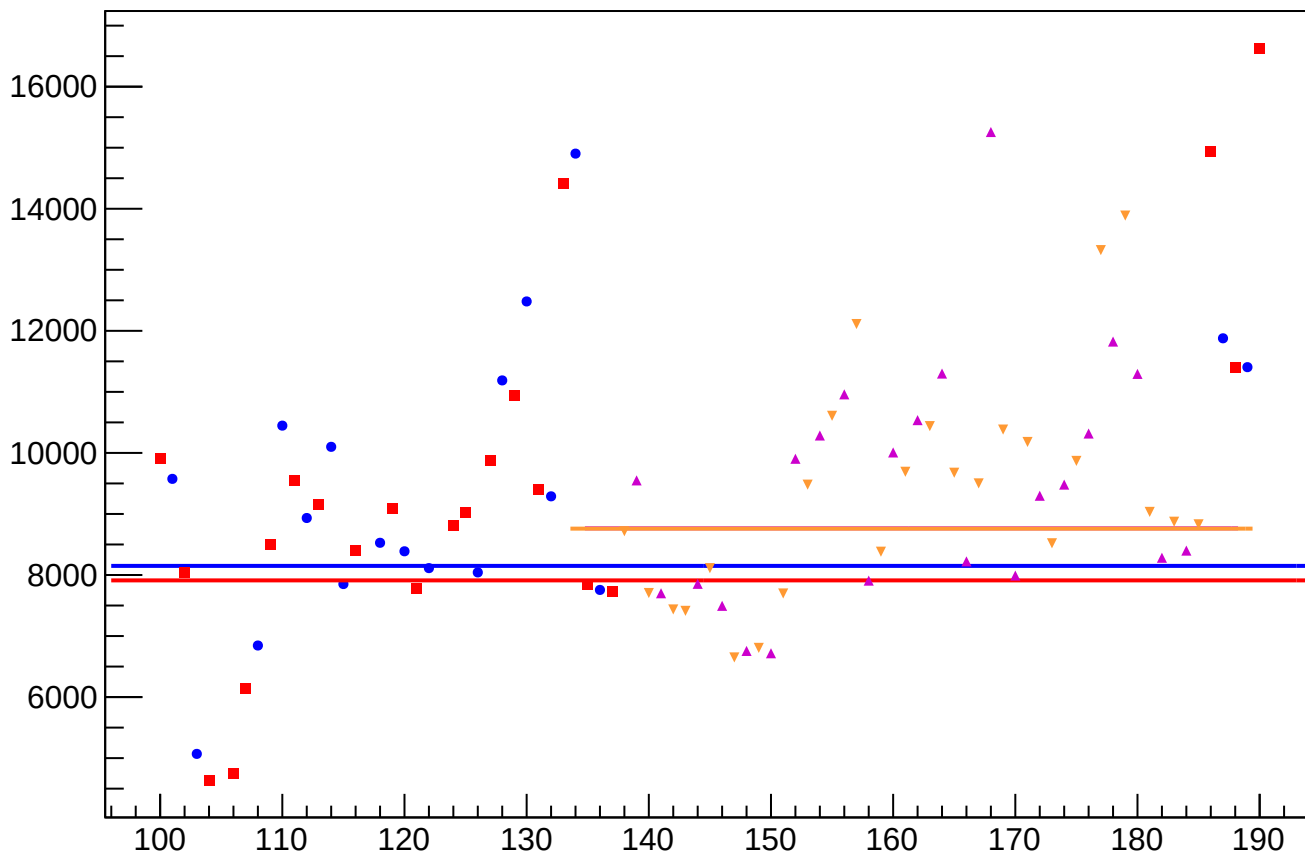
Left In: 105.025 ± 2090.897 χ^2/NDF : 14.5/22

+ sign -284.466 ± 1684.859 χ^2/NDF : 42.5/42

All: 390.889 ± 1186.117 χ^2/NDF : 81.5/87

- sign 1054.450 ± 1670.084 χ^2/NDF : 38.6/44

asym_atr2_cor_correction_rms vs Slug



Right In: 8149.271+/-2.122 χ^2 /NDF: 1050140.6/17

Left Out: 8759.625+/-1.440 χ^2 /NDF:1222248.8/24

Right Out: 7911.778+/-1.963 χ^2 /NDF: 1716481.3/21

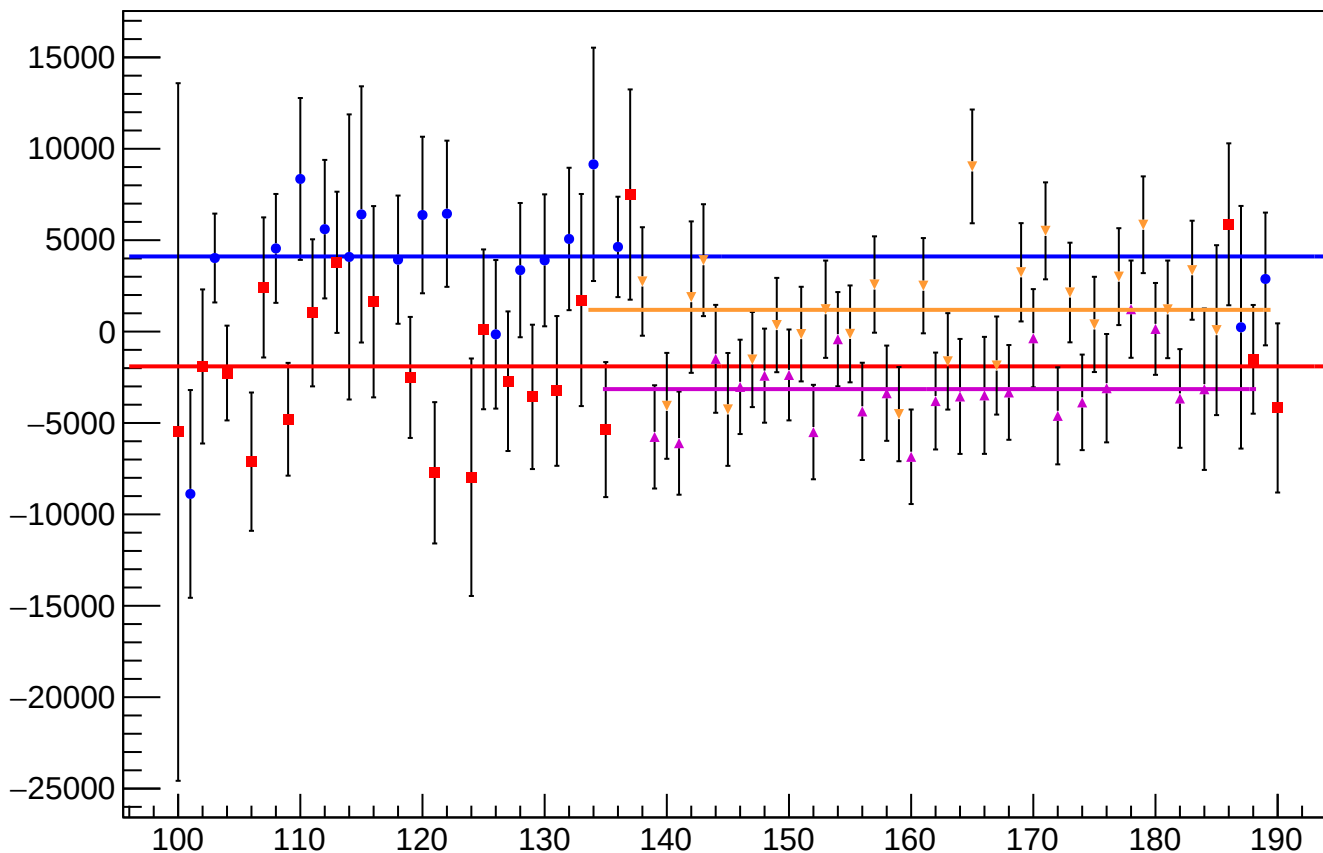
Left In: 8764.132+/-1.478 χ^2 /NDF:1291700.3/22

+ sign 8567.263+/-1.191 χ^2 /NDF: 2329038.1/42

All: 8510.924+/-0.839 χ^2 /NDF: 5461971.3/87

- sign 8455.568+/-1.181 χ^2 /NDF: 3128499.7/44

eigen_cor_asym_atr2_mean vs Slug



Right In: 4109.575 $\pm$ 912.096 χ^2 /NDF: 9.4/17

Left Out: 1188.666 $\pm$ 556.242 χ^2 /NDF:31.1/24

Right Out: -1903.274 $\pm$ 849.163 χ^2 /NDF: 18.3/21

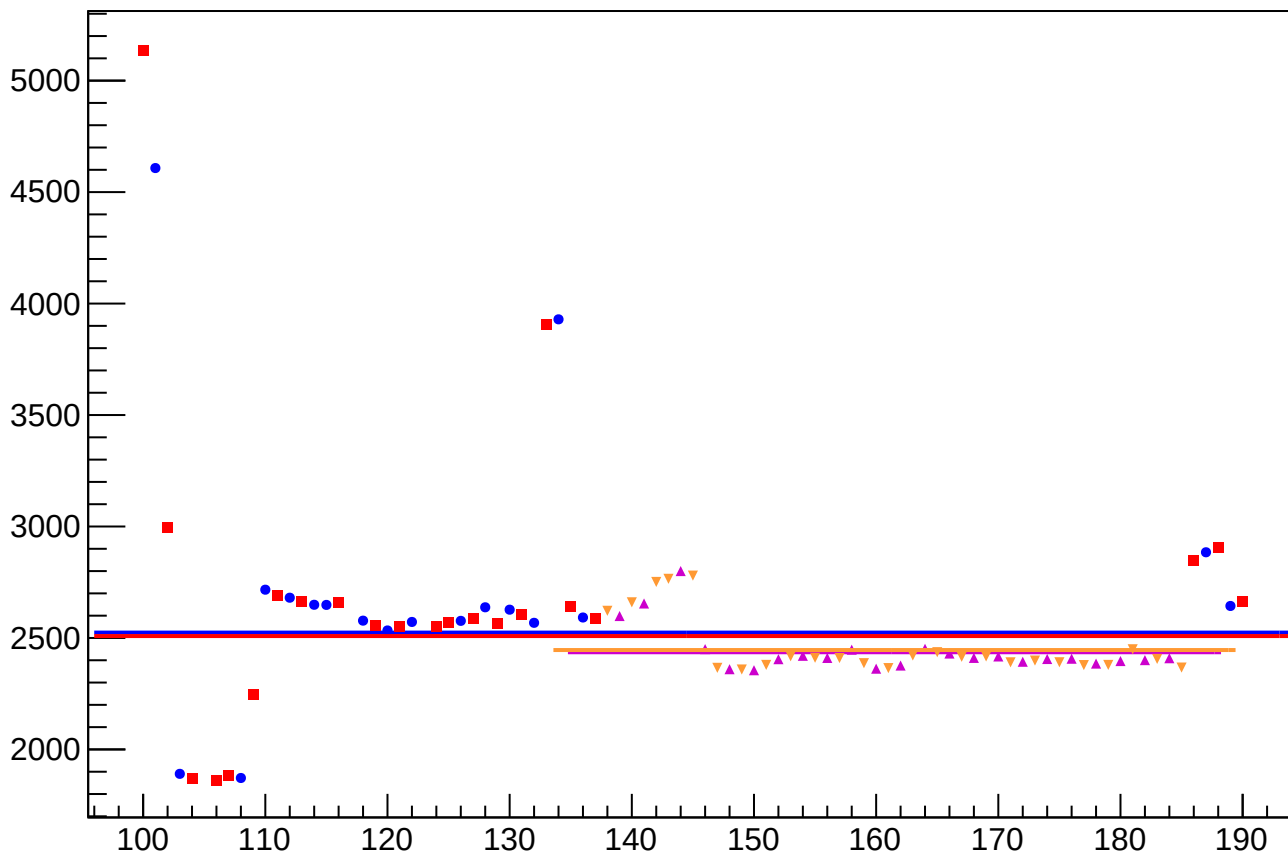
Left In: -3147.222 $\pm$ 569.221 χ^2 /NDF:12.7/22

+ sign 1980.504 $\pm$ 474.897 χ^2 /NDF: 48.0/42

All: -400.923 $\pm$ 335.066 χ^2 /NDF: 130.5/87

- sign -2761.557 $\pm$ 472.819 χ^2 /NDF: 32.4/44

eigen_cor_asym_atr2_rms vs Slug



Right In: 2524.093+/-0.645 χ^2/NDF : 620186.8/17

Left Out: 2445.826+/-0.393 χ^2/NDF : 90014.8/24

Right Out: 2508.545+/-0.600 χ^2/NDF : 494396.4/21

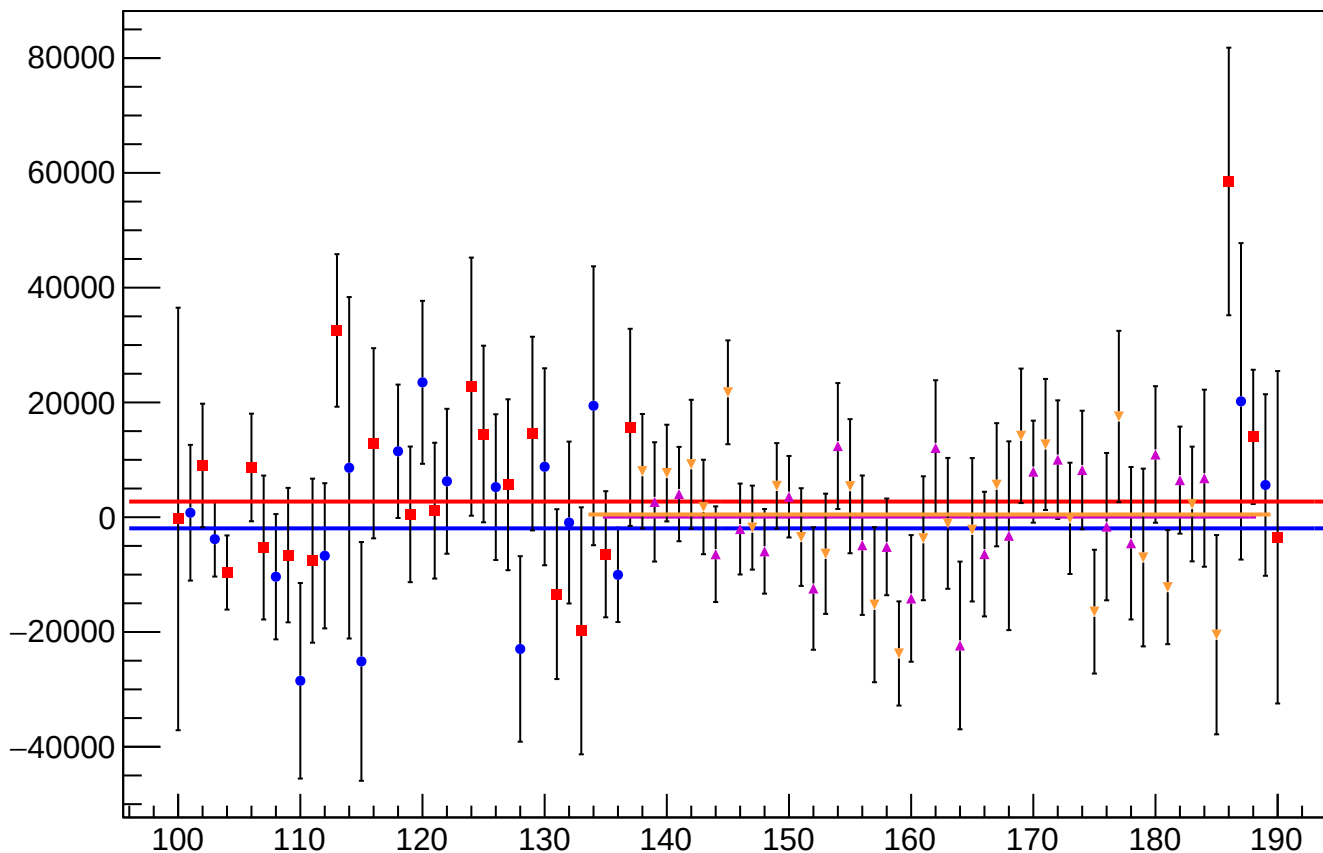
Left In: 2435.950+/-0.403 χ^2/NDF : 59189.9/22

+ sign 2467.043+/-0.336 χ^2/NDF : 720936.3/42

All: 2462.731+/-0.237 χ^2/NDF : 1284936.2/87

- sign 2458.457+/-0.334 χ^2/NDF : 563671.5/44

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -1939.517 ± 3001.199 χ^2/NDF : 14.7/17

Left Out: 477.198 ± 2035.967 χ^2/NDF : 27.4/24

Right Out: 2727.643 ± 2775.719 χ^2/NDF : 23.6/21

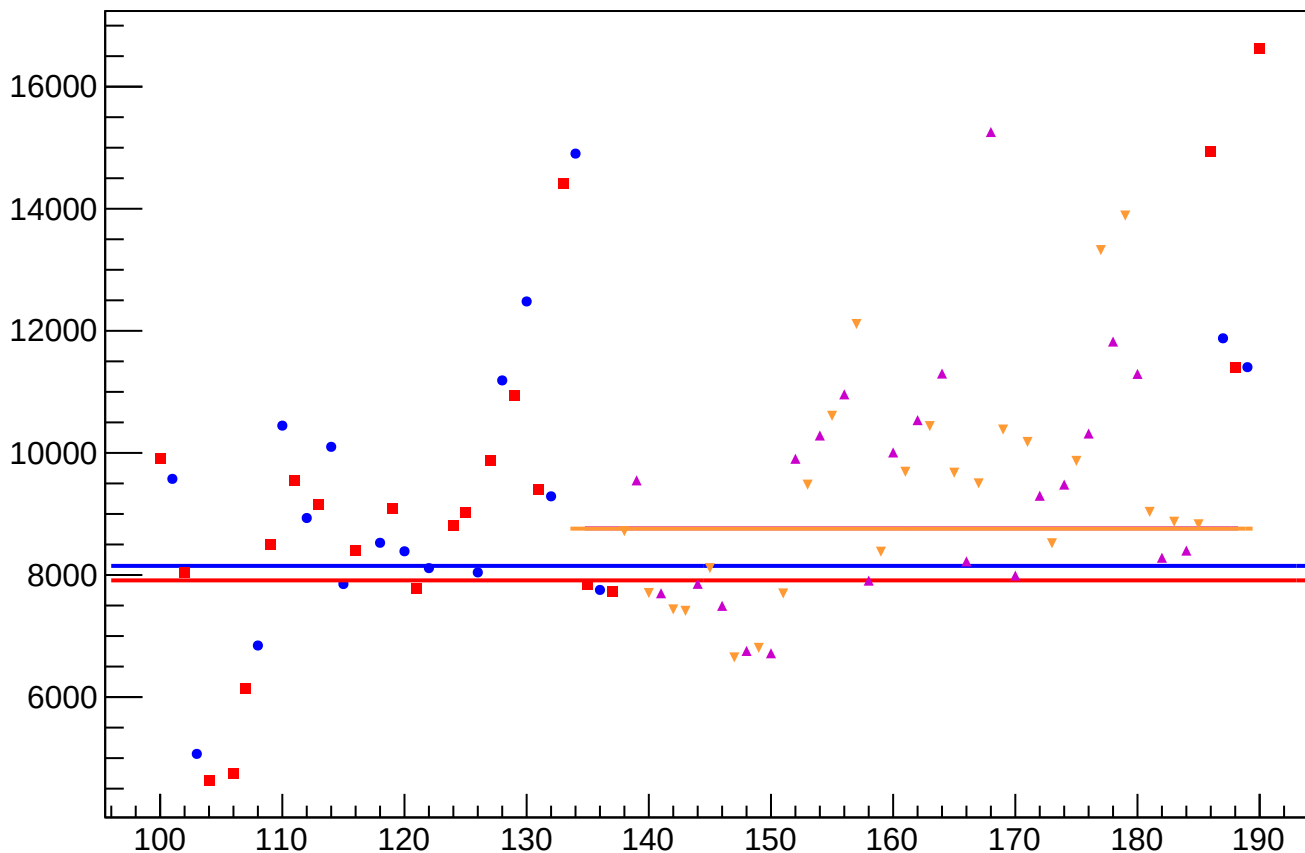
Left In: 105.025 ± 2090.897 χ^2/NDF : 14.5/22

+ sign -284.466 ± 1684.859 χ^2/NDF : 42.5/42

All: 390.889 ± 1186.117 χ^2/NDF : 81.5/87

- sign 1054.450 ± 1670.084 χ^2/NDF : 38.6/44

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 8149.271 ± 2.122 $\chi^2/\text{NDF}: 1050140.6/17$

Left Out: 8759.625 ± 1.440 $\chi^2/\text{NDF}: 1222248.8/24$

Right Out: 7911.778 ± 1.963 $\chi^2/\text{NDF}: 1716481.3/21$

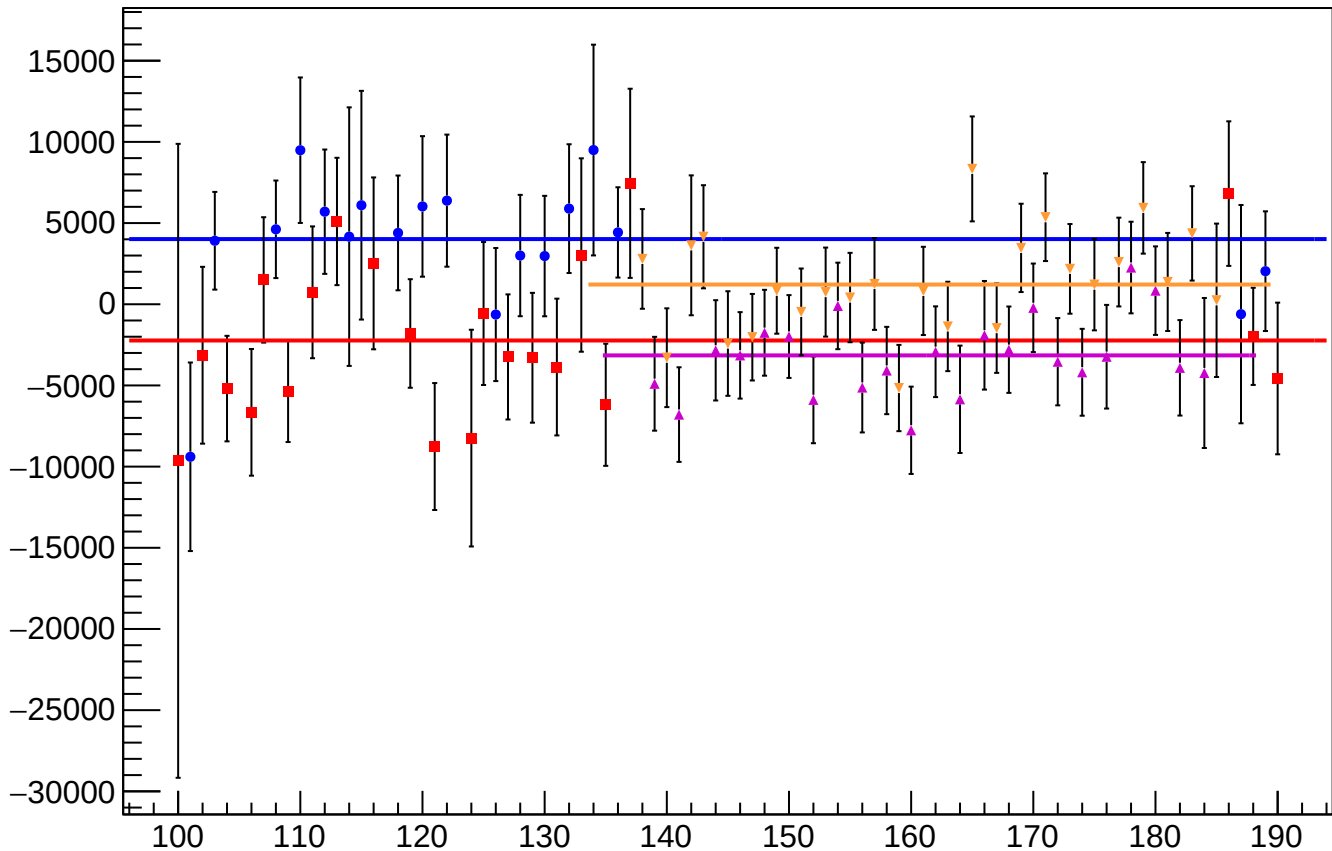
Left In: 8764.132 ± 1.478 $\chi^2/\text{NDF}: 1291700.3/22$

+ sign 8567.263 ± 1.191 $\chi^2/\text{NDF}: 2329038.1/42$

All: 8510.924 ± 0.839 $\chi^2/\text{NDF}: 5461971.3/87$

- sign 8455.568 ± 1.181 $\chi^2/\text{NDF}: 3128499.7/44$

dit_asym_atr2_mean vs Slug



Right In: 4013.875 $\pm$ 947.070 χ^2 /NDF: 10.9/17

Left Out: 1213.875 $\pm$ 579.693 χ^2 /NDF: 26.8/24

Right Out: -2232.233 $\pm$ 884.062 χ^2 /NDF: 22.2/21

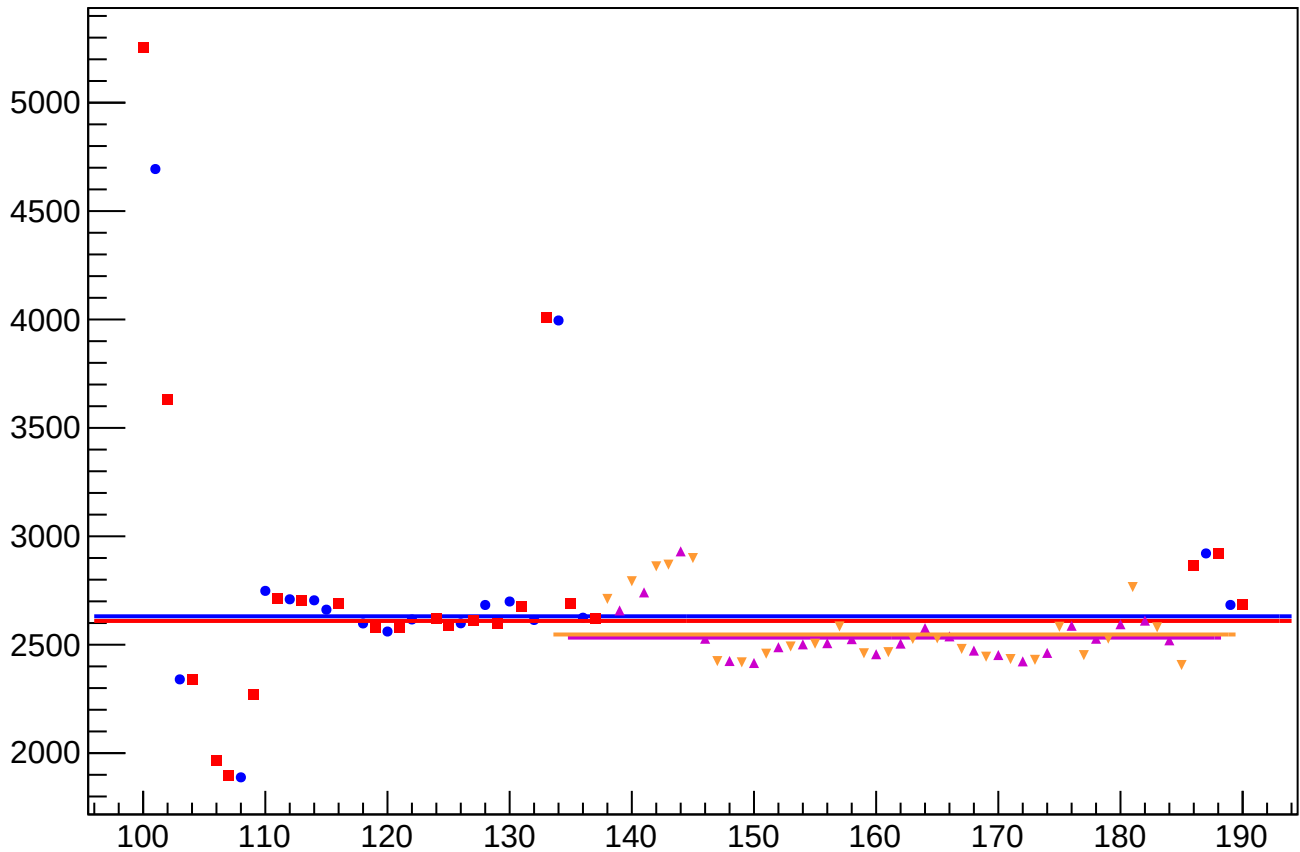
Left In: -3150.265 $\pm$ 592.116 χ^2 /NDF: 16.5/22

+ sign 1977.001 $\pm$ 494.426 χ^2 /NDF: 44.1/42

All: -456.568 $\pm$ 348.739 χ^2 /NDF: 131.6/87

- sign -2865.975 $\pm$ 491.965 χ^2 /NDF: 39.4/44

dit_asym_atr2_rms vs Slug



Right In: 2631.045 $\pm$ 0.670 χ^2 /NDF: 490248.0/17

Left Out: 2547.154 $\pm$ 0.410 χ^2 /NDF: 117298.5/24

Right Out: 2609.607 $\pm$ 0.625 χ^2 /NDF: 412192.4/21

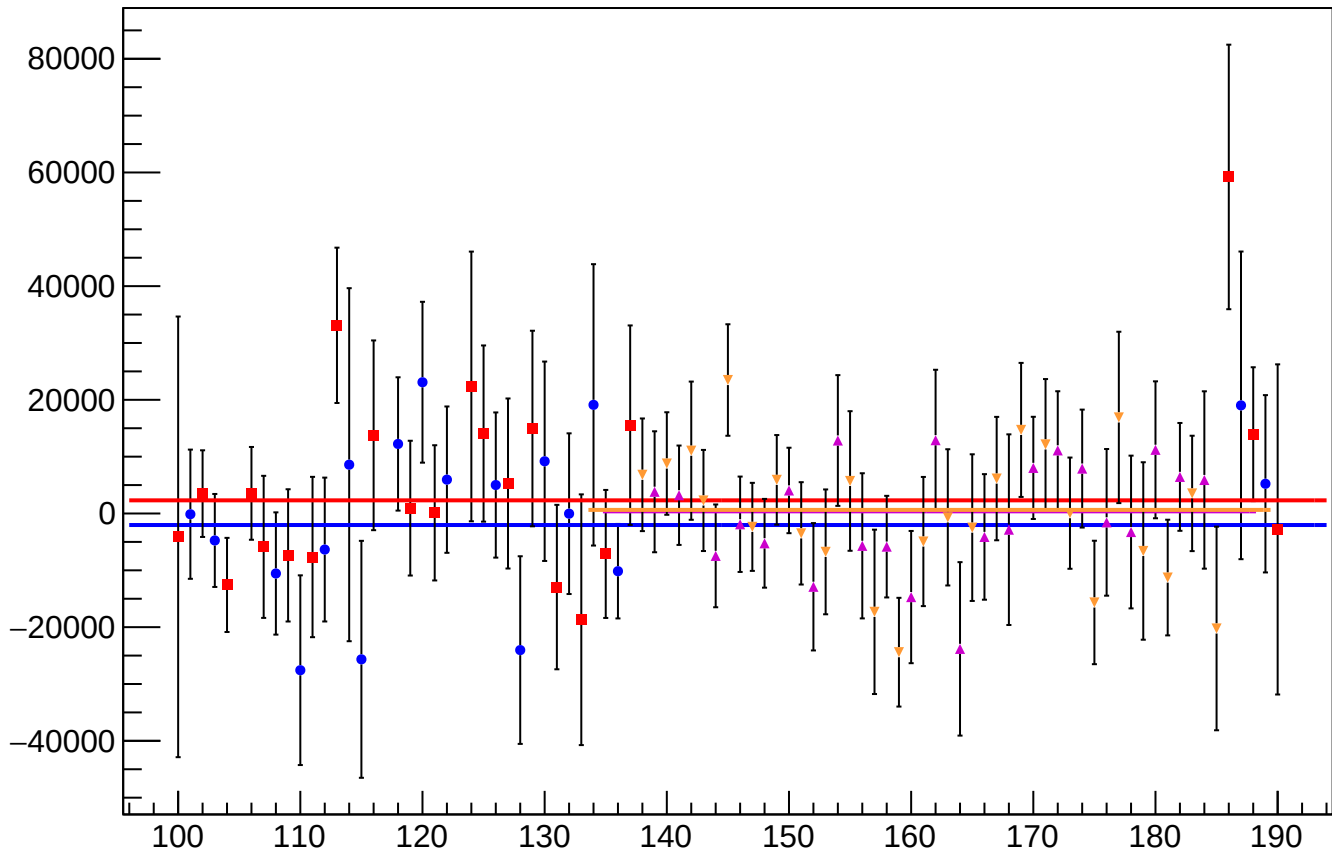
Left In: 2532.772 $\pm$ 0.419 χ^2 /NDF: 68441.1/22

+ sign 2570.018 $\pm$ 0.350 χ^2 /NDF: 618962.2/42

All: 2563.266 $\pm$ 0.247 χ^2 /NDF: 1110774.0/87

- sign 2556.582 $\pm$ 0.348 χ^2 /NDF: 491069.5/44

asym_atr2_dit_correction_mean vs Slug



Right In: -2027.927 ± 3124.494 χ^2/NDF : 14.7/17

Left Out: 631.360 ± 2123.101 χ^2/NDF : 26.7/24

Right Out: 2312.859 ± 2758.684 χ^2/NDF : 22.7/21

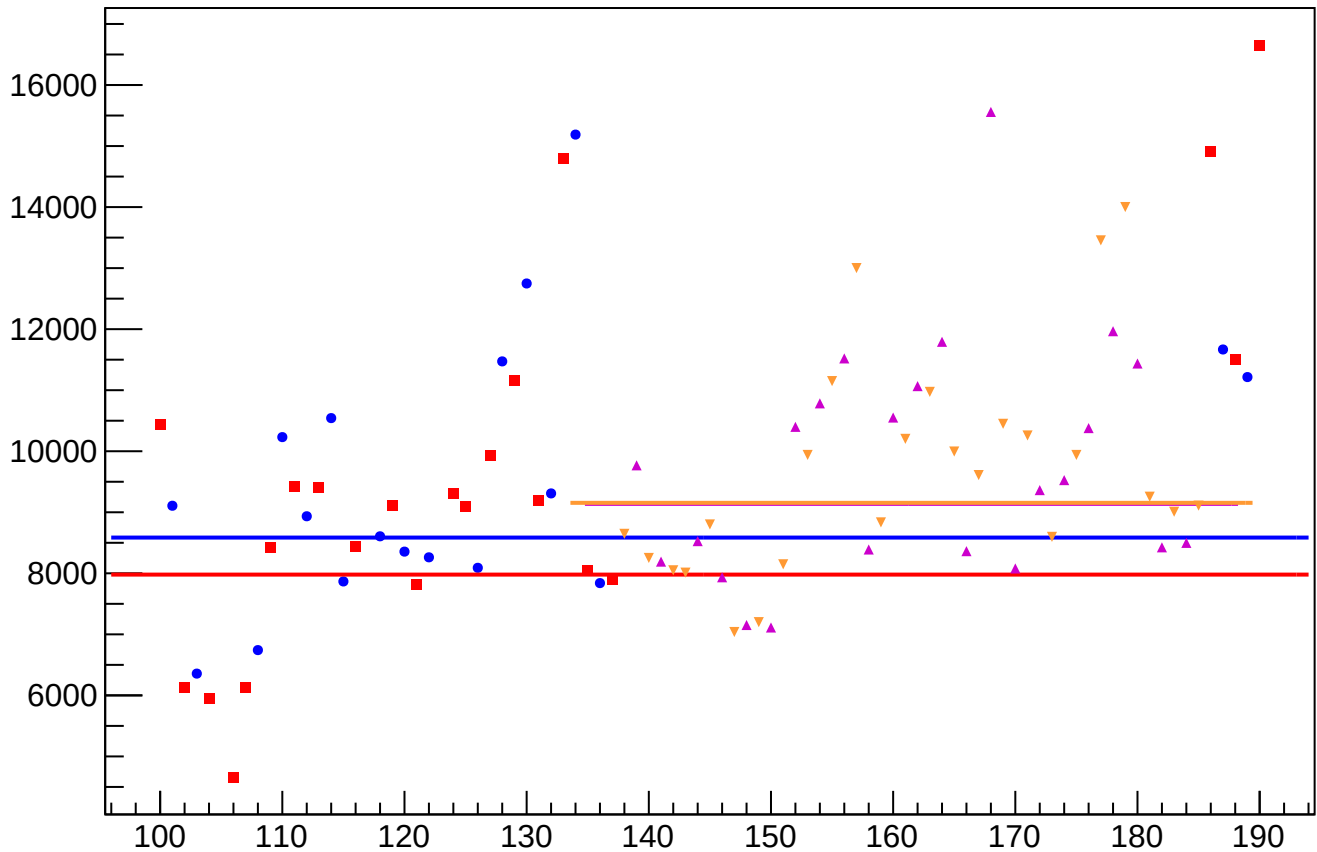
Left In: 377.922 ± 2176.347 χ^2/NDF : 14.2/22

+ sign -208.645 ± 1756.055 χ^2/NDF : 41.8/42

All: 473.958 ± 1224.613 χ^2/NDF : 79.3/87

- sign 1120.202 ± 1708.647 χ^2/NDF : 37.2/44

asym_atr2_dit_correction_rms vs Slug



Right In: 8585.624+/-2.209 χ^2/NDF : 667708.0/17

Left Out: 9154.688+/-1.501 χ^2/NDF : 1072073.9/24

+ sign 8974.934+/-1.242 χ^2/NDF : 1785168.6/42

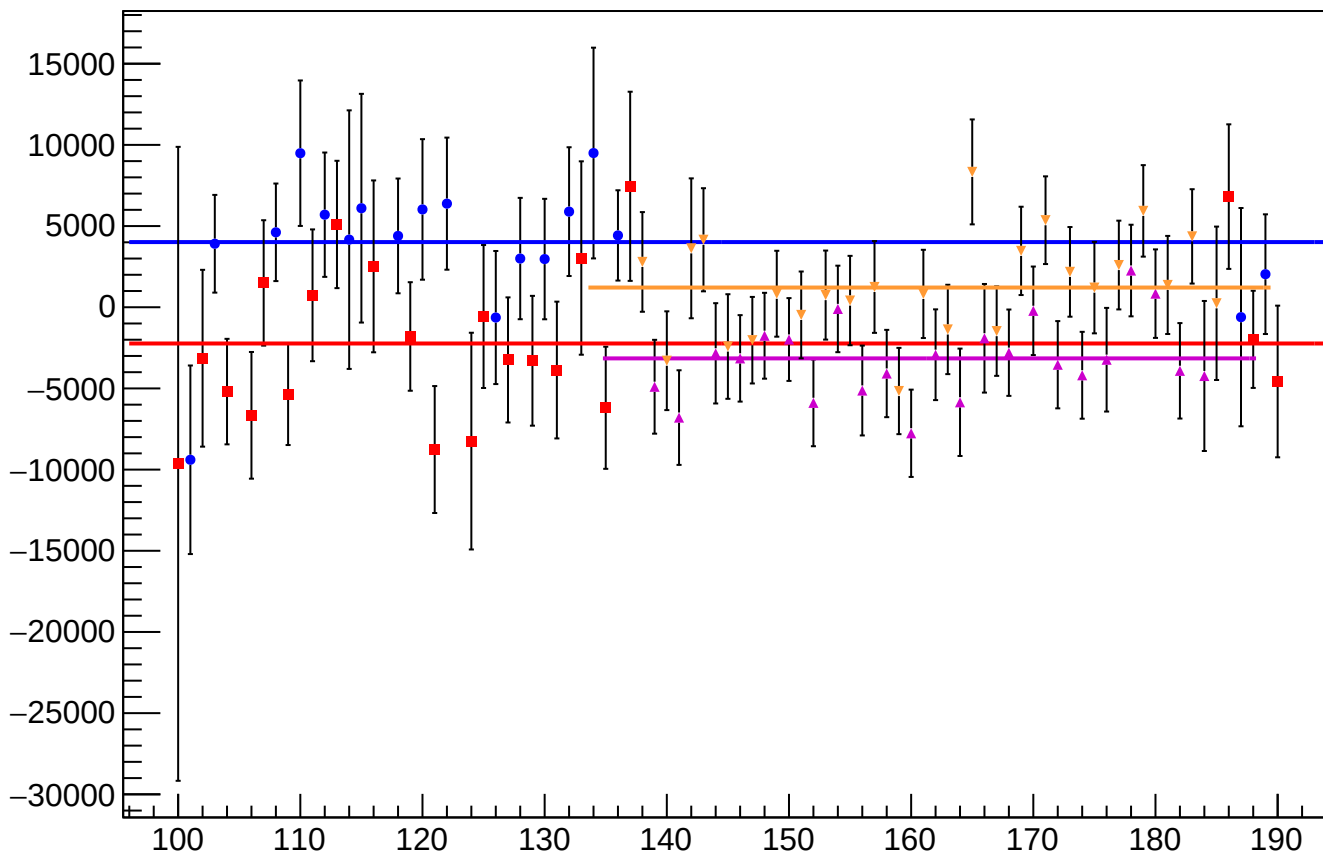
Right Out: 7978.869+/-1.951 χ^2/NDF : 1546442.6/21

All: 8830.148+/-0.866 χ^2/NDF : 4748352.8/87

- sign 8693.073+/-1.208 χ^2/NDF : 2936716.4/44

Left In: 9137.576+/-1.539 χ^2/NDF : 1172792.2/22

eigen_dit_asym_atr2_mean vs Slug



Right In: 4013.880 $\pm$ 947.070 χ^2 /NDF: 10.9/17

Left Out: 1213.864 $\pm$ 579.693 χ^2 /NDF: 26.8/24

Right Out: -2232.241 $\pm$ 884.062 χ^2 /NDF: 22.2/21

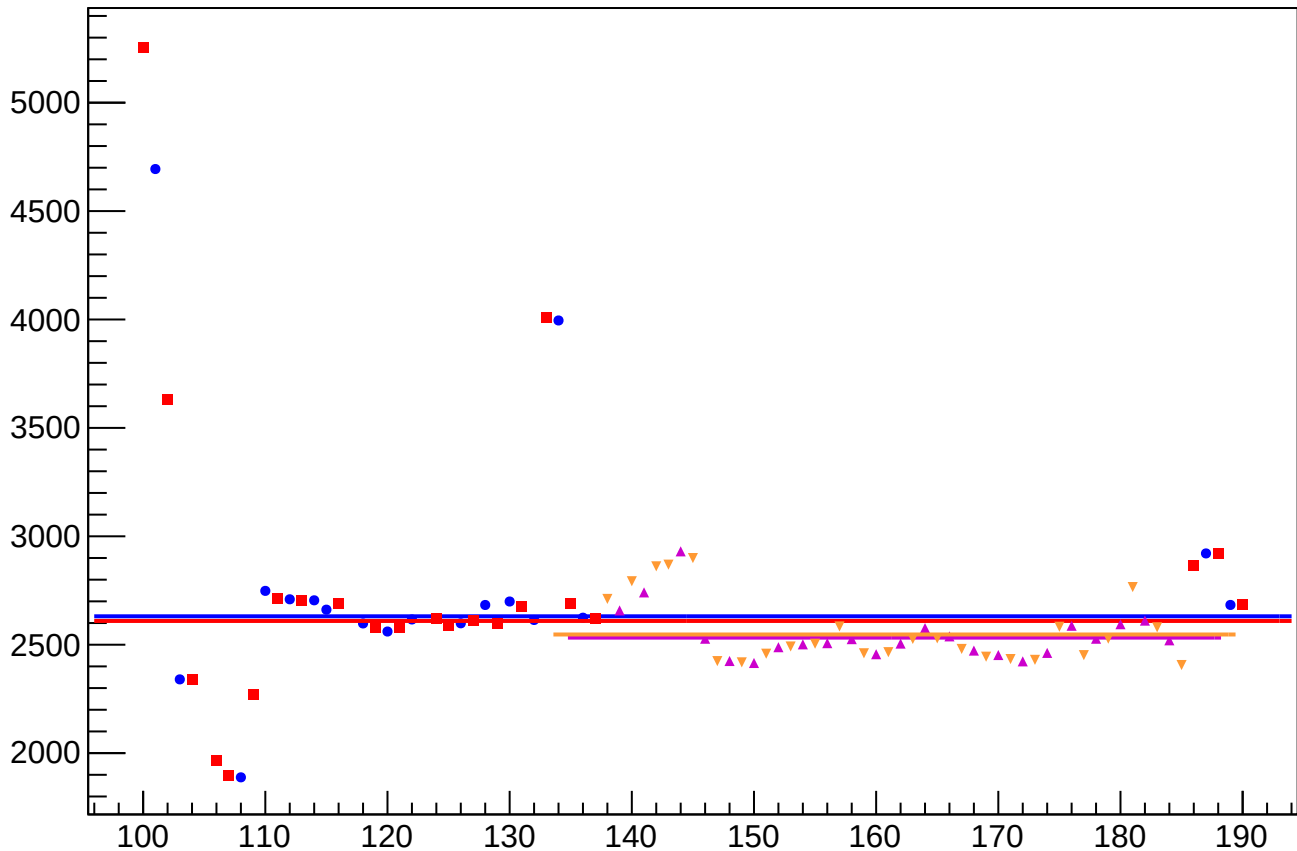
Left In: -3150.264 $\pm$ 592.117 χ^2 /NDF: 16.5/22

+ sign 1976.995 $\pm$ 494.426 χ^2 /NDF: 44.1/42

All: -456.571 $\pm$ 348.739 χ^2 /NDF: 131.6/87

- sign -2865.977 $\pm$ 491.966 χ^2 /NDF: 39.4/44

eigen_dit_asym_atr2_rms vs Slug



Right In: 2631.044+/-0.670 χ^2/NDF : 490248.1/17

Left Out: 2547.156+/-0.410 χ^2/NDF : 117298.5/24

Right Out: 2609.607+/-0.625 χ^2/NDF : 412191.9/21

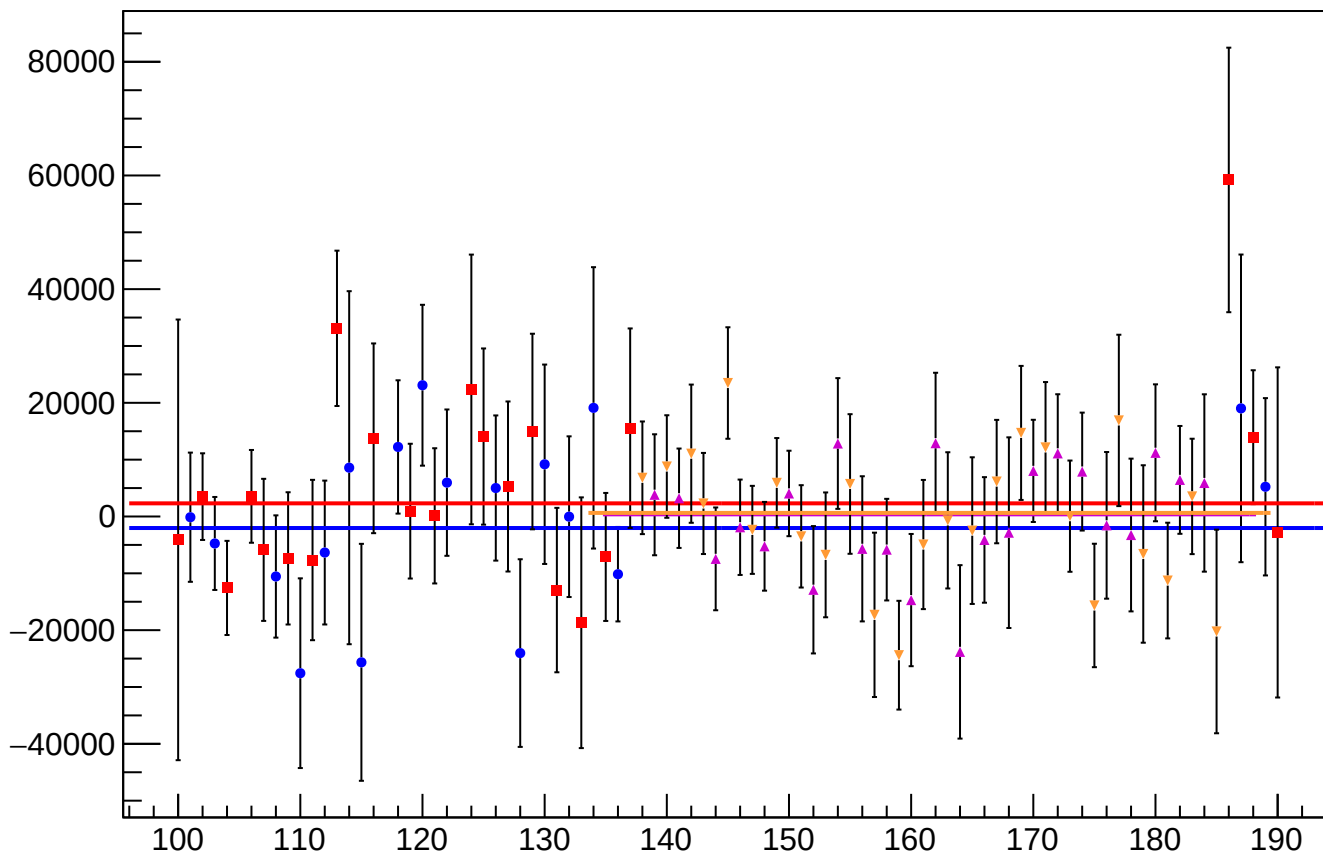
Left In: 2532.774+/-0.419 χ^2/NDF : 68440.8/22

+ sign 2570.019+/-0.350 χ^2/NDF : 618961.6/42

All: 2563.267+/-0.247 χ^2/NDF : 1110772.0/87

- sign 2556.583+/-0.348 χ^2/NDF : 491068.1/44

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2027.896 ± 3124.490 χ^2/NDF : 14.7/17

Left Out: 631.356 ± 2123.104 χ^2/NDF : 26.7/24

Right Out: 2312.850 ± 2758.680 χ^2/NDF : 22.7/21

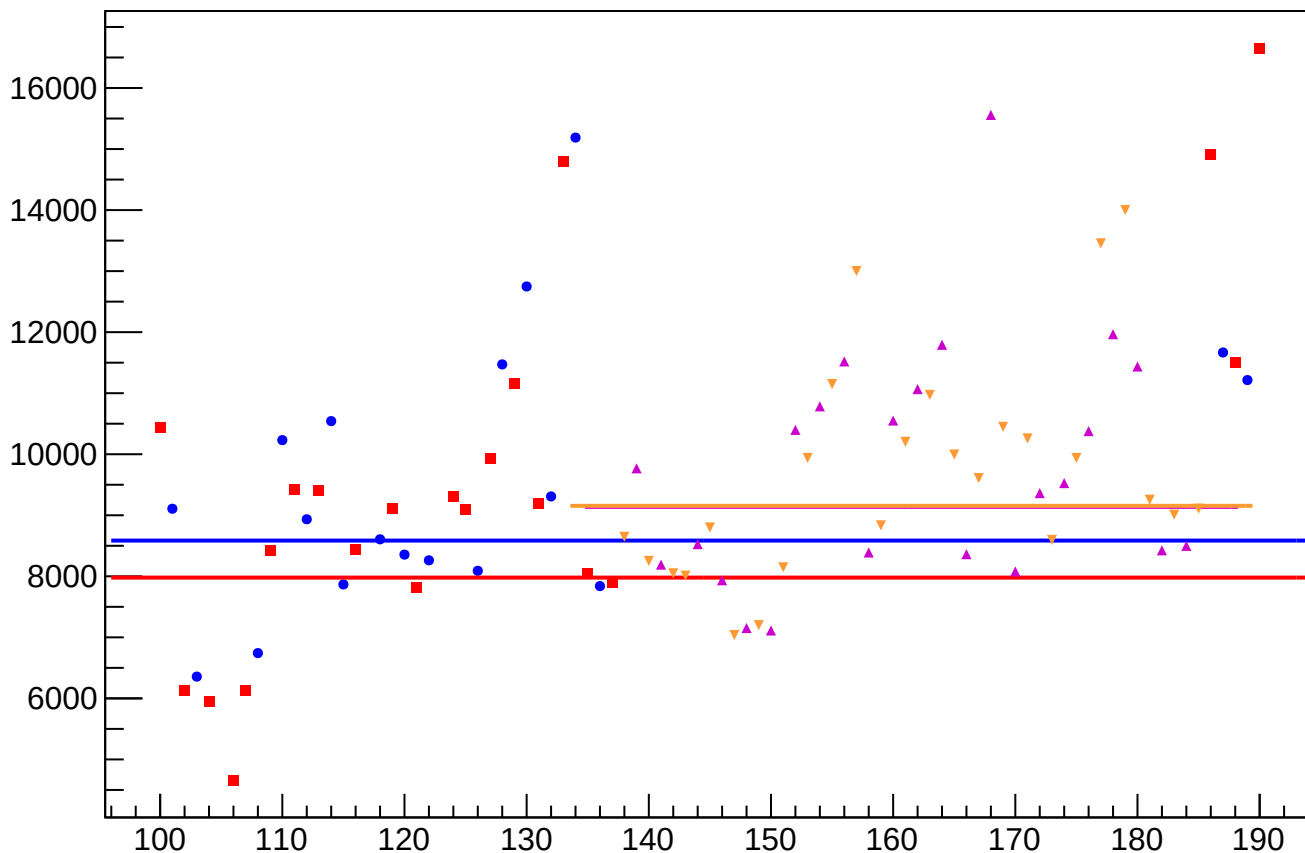
Left In: 377.927 ± 2176.350 χ^2/NDF : 14.2/22

+ sign -208.641 ± 1756.056 χ^2/NDF : 41.8/42

All: 473.961 ± 1224.614 χ^2/NDF : 79.3/87

- sign 1120.205 ± 1708.648 χ^2/NDF : 37.2/44

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8585.614 $\pm$ 2.209 χ^2 /NDF: 667704.1/17

Left Out: 9154.703 $\pm$ 1.501 χ^2 /NDF:1072075.9/24

Right Out: 7978.857 $\pm$ 1.951 χ^2 /NDF: 1546441.3/21

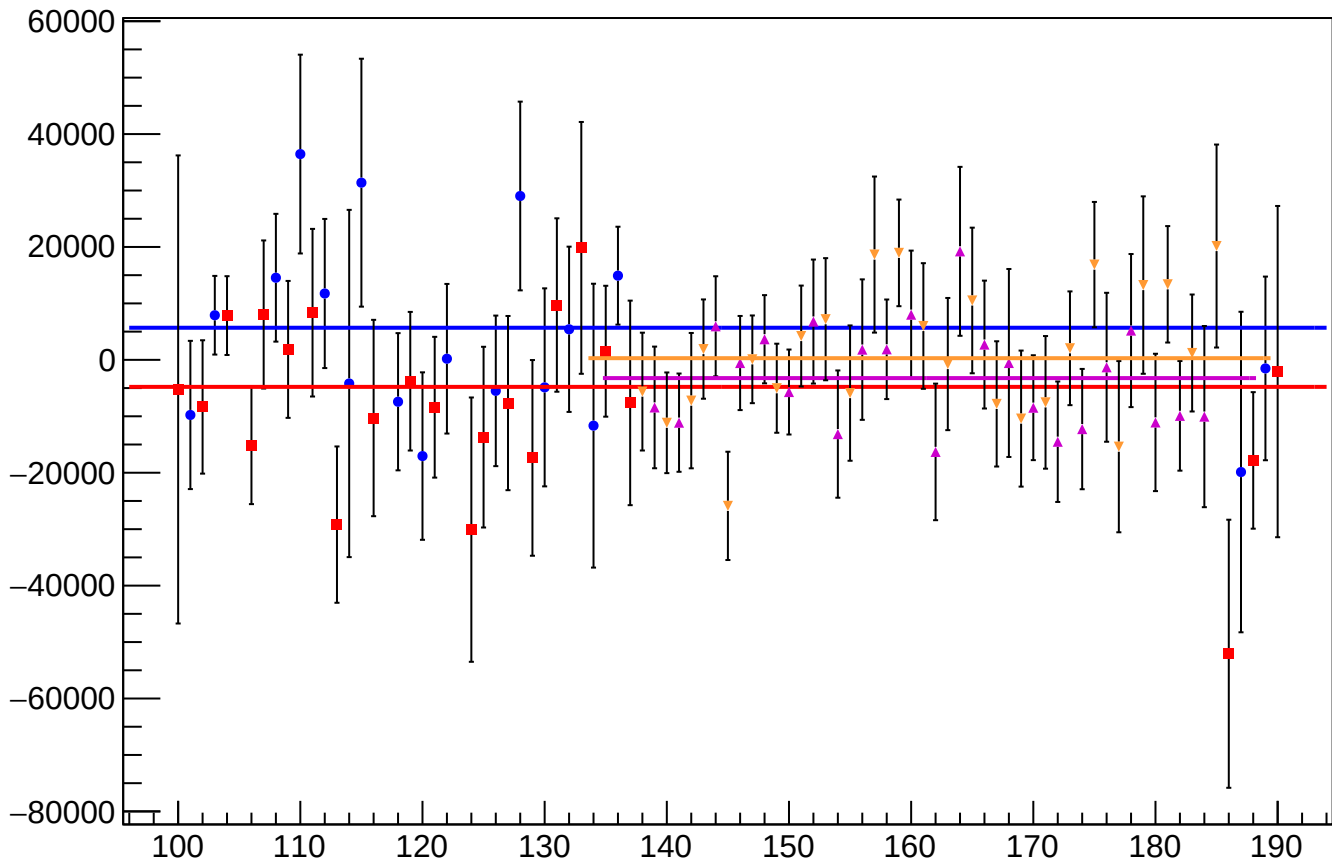
Left In: 9137.590 $\pm$ 1.539 χ^2 /NDF:1172796.0/22

+ sign 8974.941 $\pm$ 1.242 χ^2 /NDF: 1785170.5/42

All: 8830.152 $\pm$ 0.866 χ^2 /NDF: 4748367.5/87

- sign 8693.076 $\pm$ 1.208 χ^2 /NDF: 2936728.6/44

asym_atr2_mean vs Slug



Right In: 5688.457 $\pm$ 3157.611 χ^2 /NDF: 16.1/17

Left Out: 295.038 $\pm$ 2125.383 χ^2 /NDF: 26.3/24

Right Out: -4788.040 $\pm$ 2936.529 χ^2 /NDF: 19.3/21

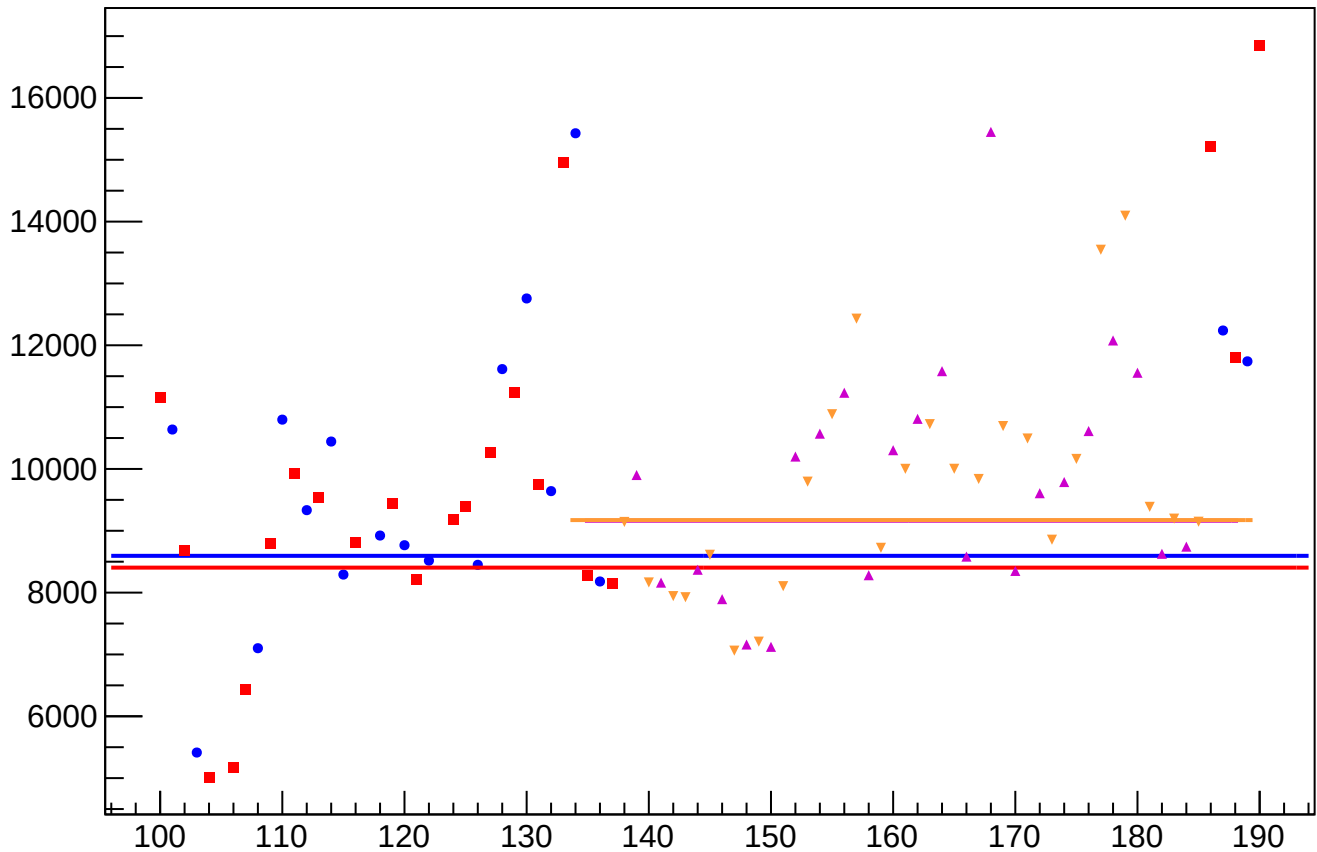
Left In: -3233.667 $\pm$ 2179.845 χ^2 /NDF: 13.6/22

+ sign 1976.695 $\pm$ 1763.174 χ^2 /NDF: 44.5/42

All: -925.702 $\pm$ 1242.178 χ^2 /NDF: 82.9/87

- sign -3785.890 $\pm$ 1750.307 χ^2 /NDF: 33.0/44

asym_atr2_rms vs Slug



Right In: 8594.883 $\pm$ 2.233 χ^2 /NDF: 995180.4/17

Left Out: 9172.826 $\pm$ 1.503 χ^2 /NDF:1056946.9/24

Right Out: 8404.172 $\pm$ 2.076 χ^2 /NDF: 1542943.4/21

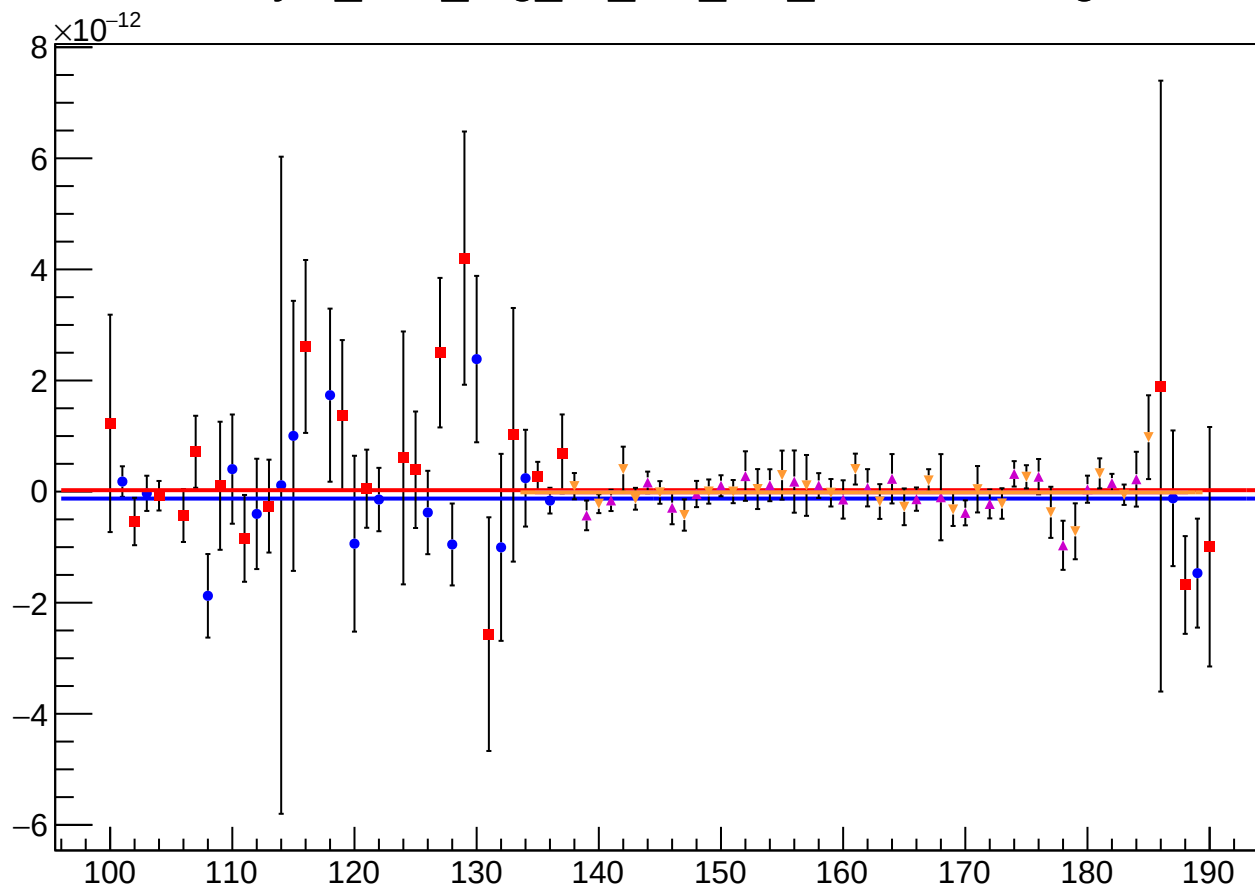
Left In: 9162.276 $\pm$ 1.541 χ^2 /NDF:1127533.4/22

+ sign 8992.625 $\pm$ 1.247 χ^2 /NDF: 2098237.6/42

All: 8942.416 $\pm$ 0.878 χ^2 /NDF: 4857876.5/87

- sign 8892.938 $\pm$ 1.238 χ^2 /NDF: 2756419.0/44

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.8/21

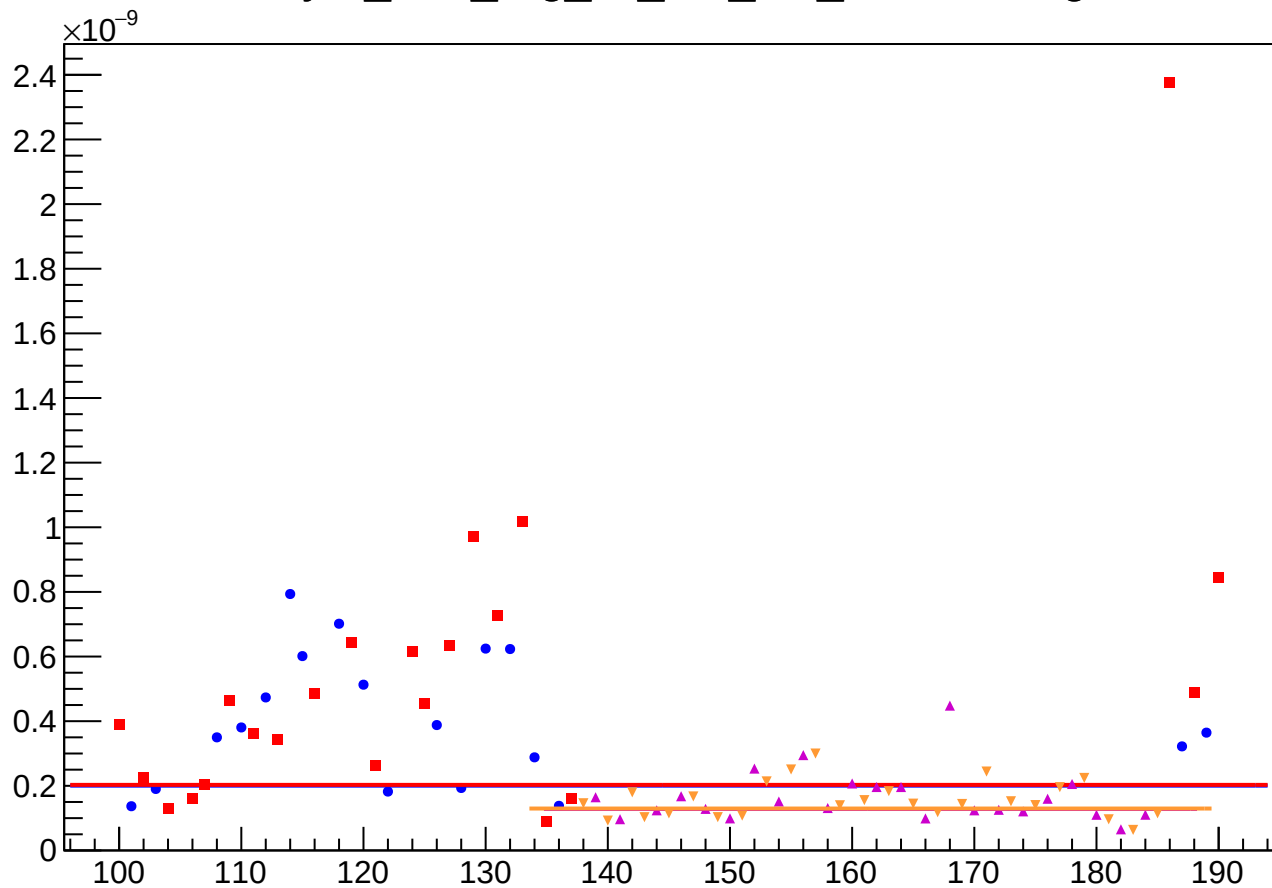
Left In: -0.000 ± 0.000 χ^2/NDF : 19.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 35.6/42

All: -0.000 ± 0.000 χ^2/NDF : 78.7/87

- sign -0.000 ± 0.000 χ^2/NDF : 43.0/44

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1420179.1/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 1390522.6/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 2778875.9/21

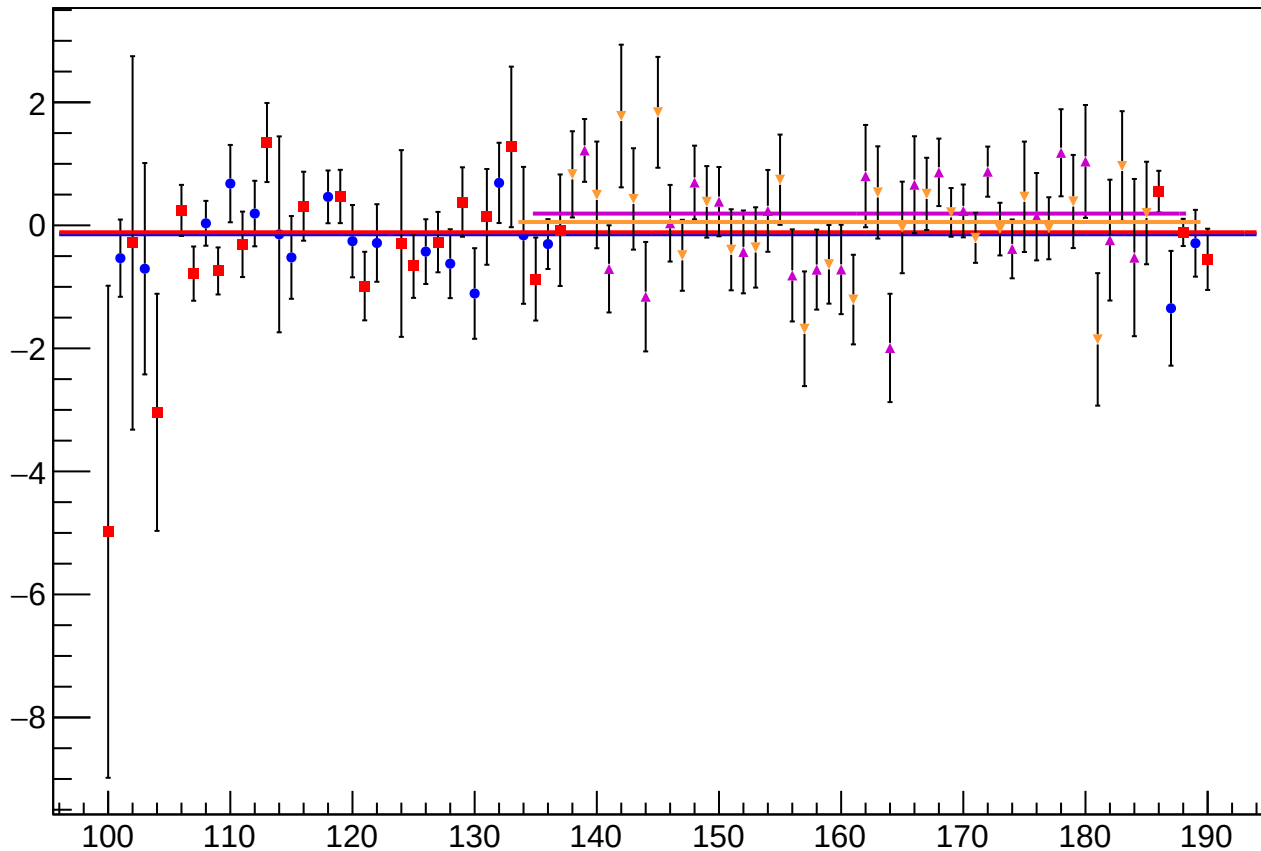
Left In: 0.000 ± 0.000 χ^2/NDF : 1516080.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 3307177.8/42

All: 0.000 ± 0.000 χ^2/NDF : 8113578.5/87

- sign 0.000 ± 0.000 χ^2/NDF : 4806017.1/44

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.145 ± 0.138 χ^2/NDF : 11.5/17

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.112 ± 0.108 χ^2/NDF : 28.8/21

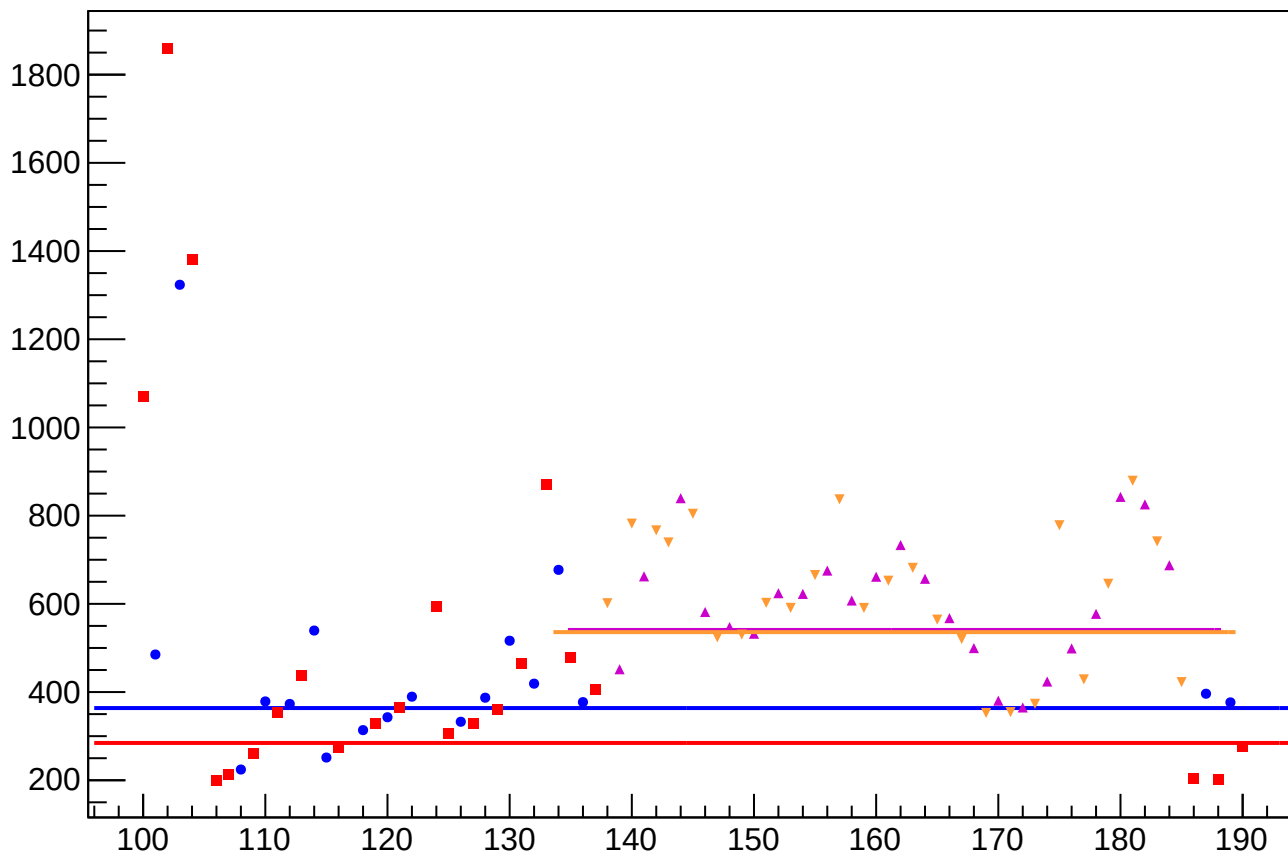
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign -0.039 ± 0.095 χ^2/NDF : 37.3/42

All: -0.013 ± 0.063 χ^2/NDF : 100.5/87

- sign 0.008 ± 0.084 χ^2/NDF : 63.0/44

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 363.730+/-0.098 χ^2/NDF : 1381146.1/17

Left Out: 535.943+/-0.092 χ^2/NDF : 2749736.4/24

Right Out: 284.594+/-0.076 χ^2/NDF : 2854304.0/21

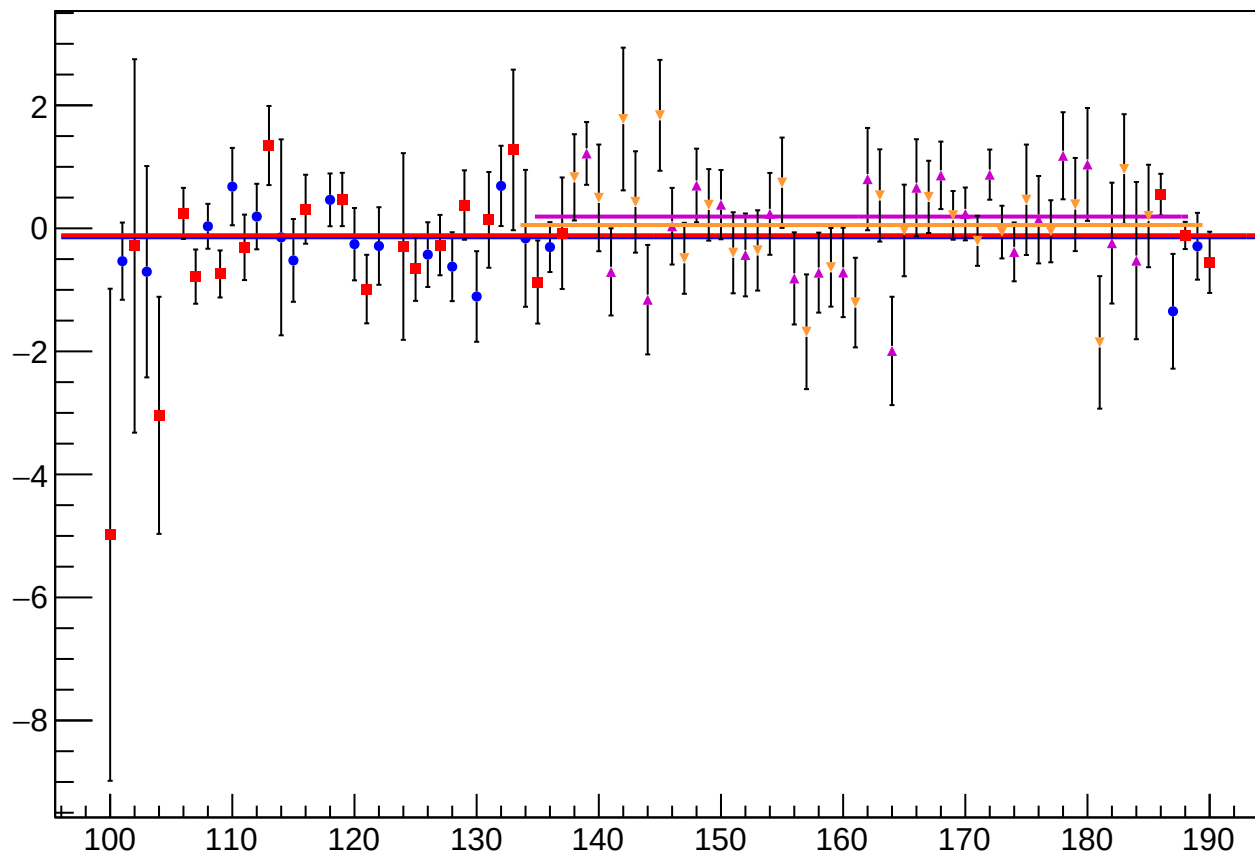
Left In: 540.804+/-0.094 χ^2/NDF : 1904998.0/22

+ sign 455.466+/-0.067 χ^2/NDF : 5783714.5/42

All: 416.523+/-0.044 χ^2/NDF : 15625733.3/87

- sign 385.954+/-0.059 χ^2/NDF : 9235978.4/44

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.145 ± 0.138 χ^2/NDF : 11.5/17

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.112 ± 0.108 χ^2/NDF : 28.8/21

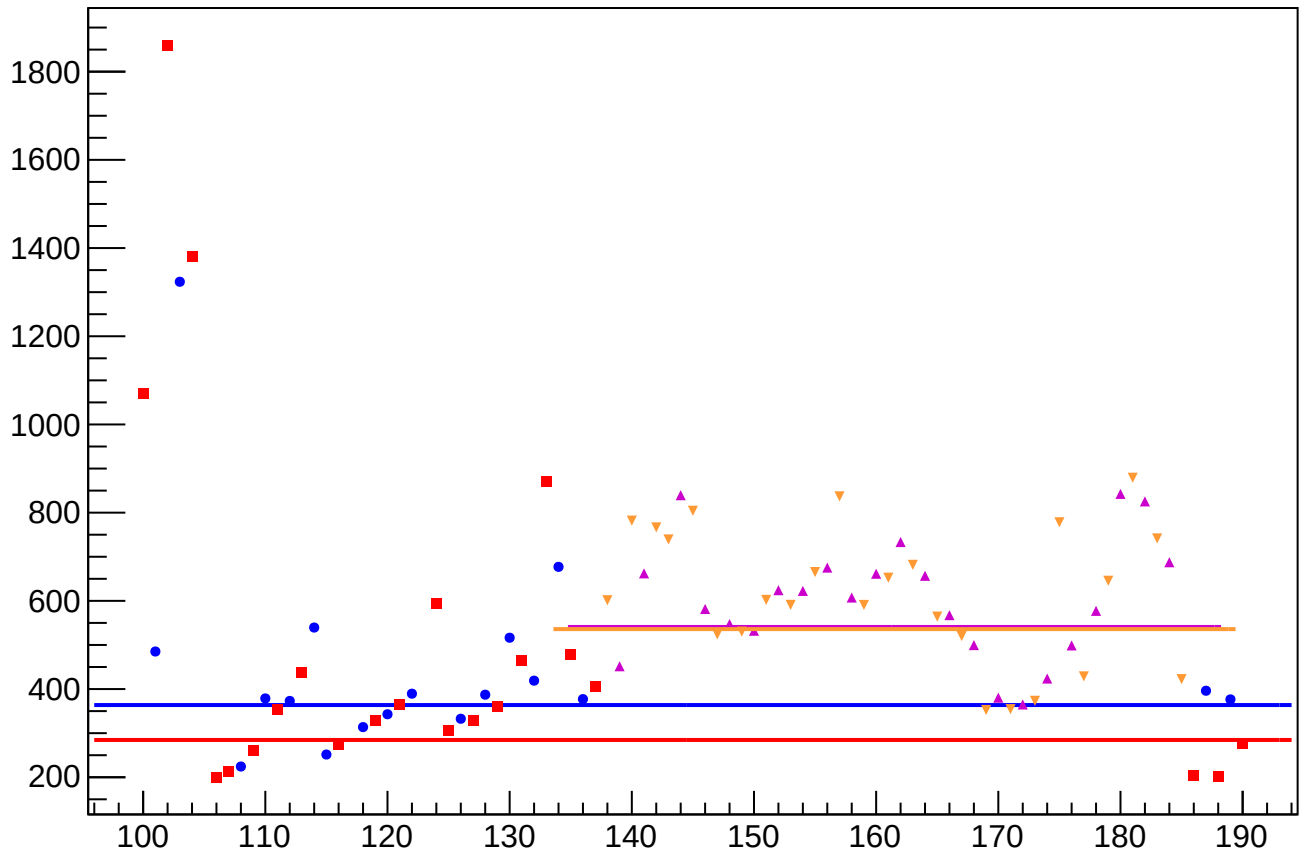
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign -0.039 ± 0.095 χ^2/NDF : 37.3/42

All: -0.013 ± 0.063 χ^2/NDF : 100.5/87

- sign 0.008 ± 0.084 χ^2/NDF : 63.0/44

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 363.730 $\pm$ 0.098 χ^2 /NDF: 1381146.1/17

Left Out: 535.943 $\pm$ 0.092 χ^2 /NDF: 2749736.4/24

Right Out: 284.594 $\pm$ 0.076 χ^2 /NDF: 2854304.0/21

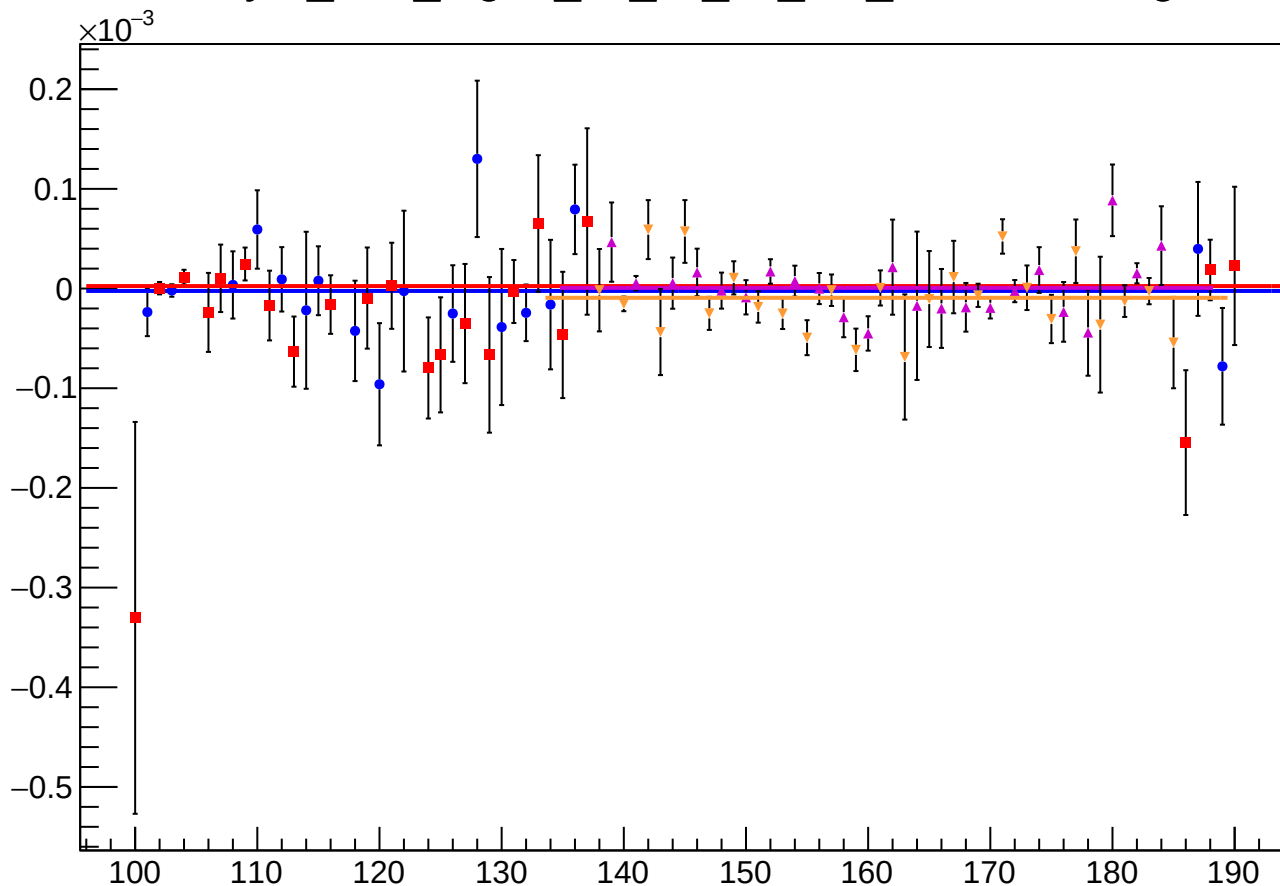
Left In: 540.804 $\pm$ 0.094 χ^2 /NDF: 1904998.0/22

+ sign 455.466 $\pm$ 0.067 χ^2 /NDF: 5783714.5/42

All: 416.523 $\pm$ 0.044 χ^2 /NDF: 15625733.3/87

- sign 385.954 $\pm$ 0.059 χ^2 /NDF: 9235978.4/44

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.8/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 45.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.2/21

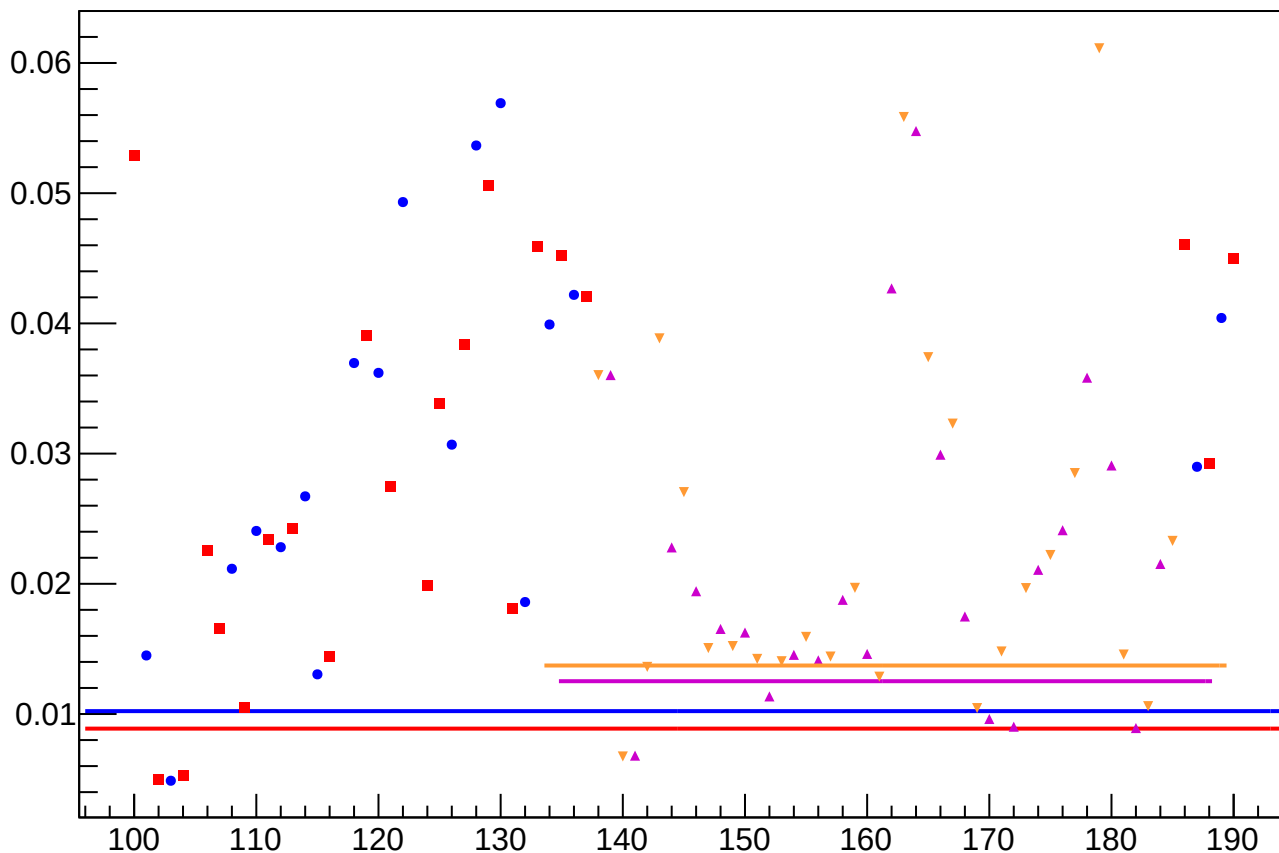
Left In: 0.000 ± 0.000 χ^2/NDF : 30.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 62.1/42

All: -0.000 ± 0.000 χ^2/NDF : 120.0/87

- sign 0.000 ± 0.000 χ^2/NDF : 53.3/44

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 7750221.0/17

Left Out: 0.014+/-0.000 χ^2/NDF : 7717157.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 8621685.8/21

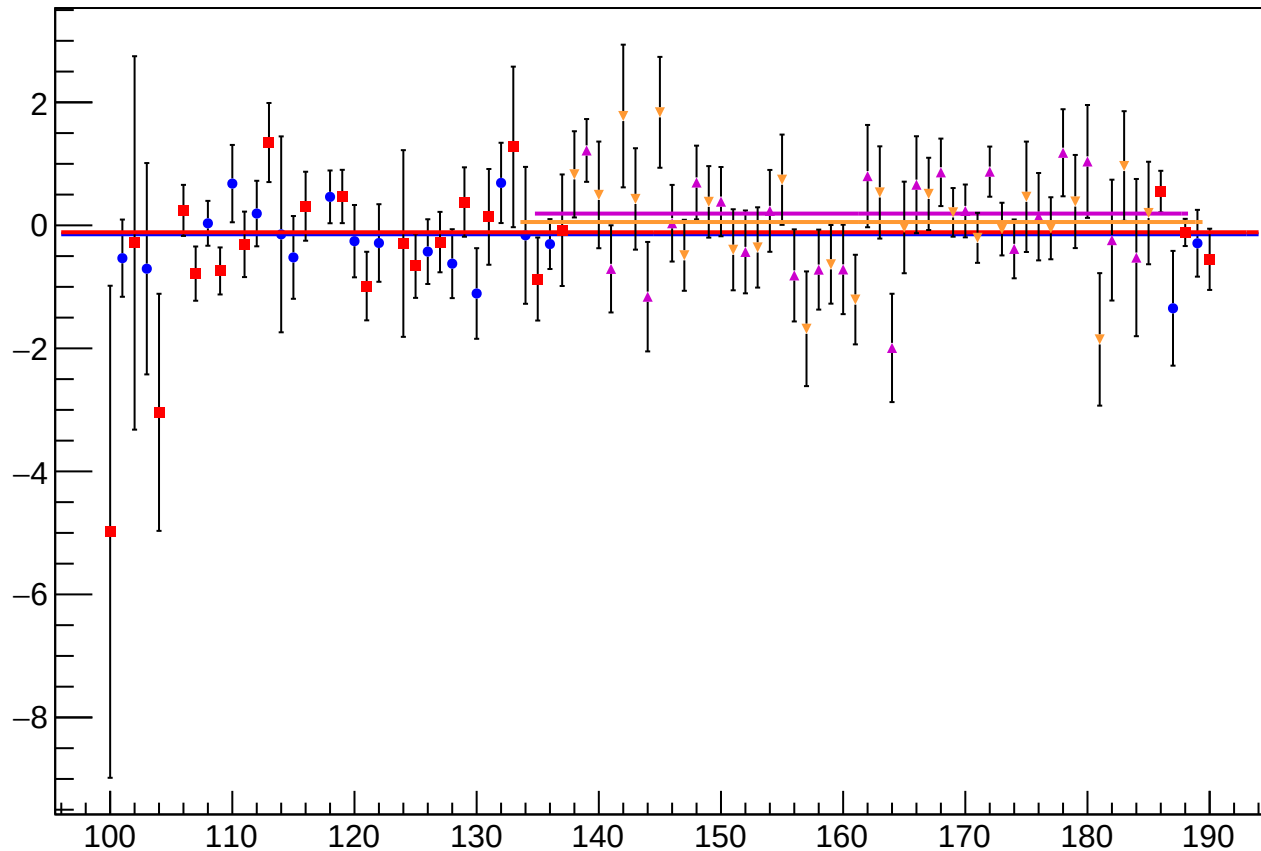
Left In: 0.013+/-0.000 χ^2/NDF : 7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF : 16054999.0/42

All: 0.012+/-0.000 χ^2/NDF : 33022131.8/87

- sign 0.011+/-0.000 χ^2/NDF : 16650560.6/44

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.145 $\pm$ 0.138 χ^2/NDF : 11.5/17

Left Out: 0.054 $\pm$ 0.130 χ^2/NDF : 24.7/24

Right Out: -0.112 $\pm$ 0.108 χ^2/NDF : 28.8/21

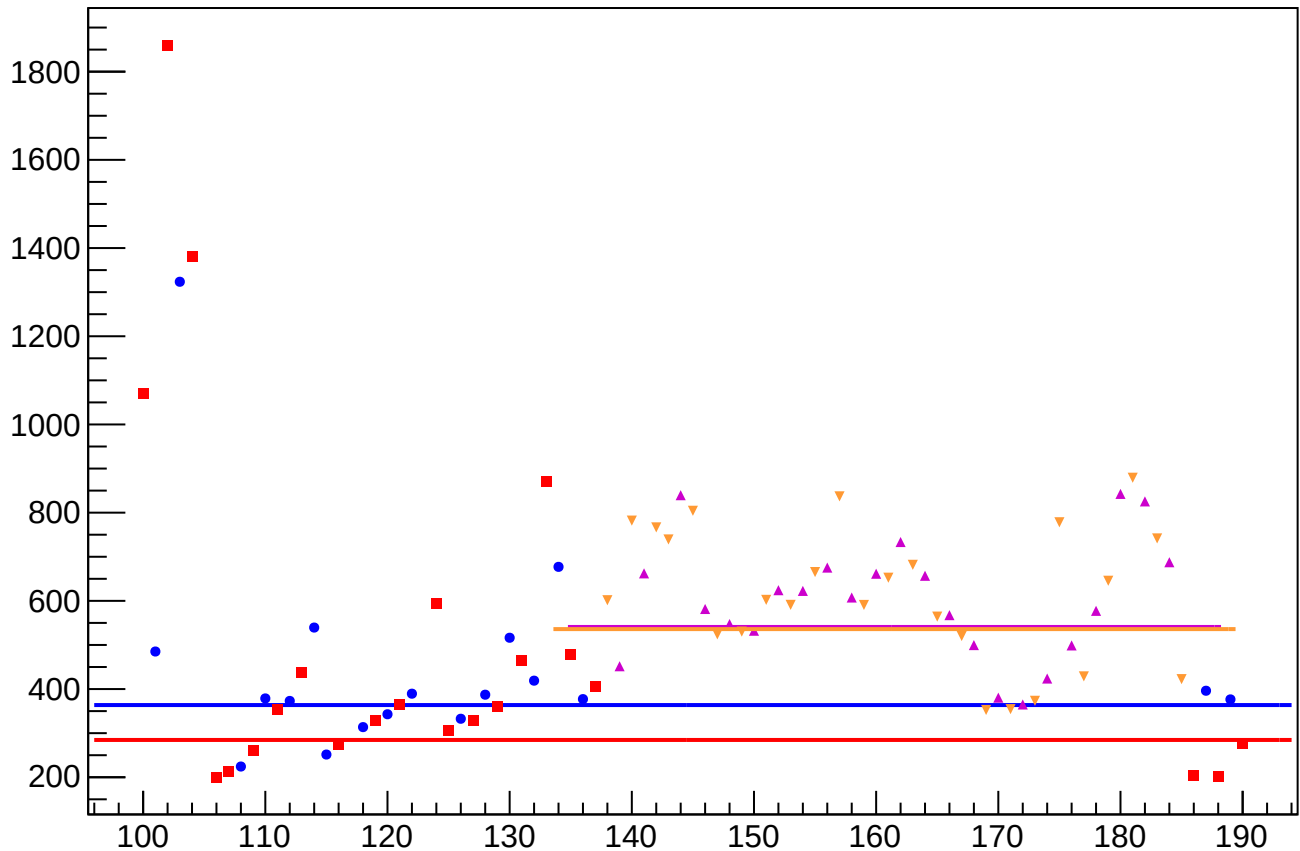
Left In: 0.191 $\pm$ 0.133 χ^2/NDF : 31.1/22

+ sign -0.039 $\pm$ 0.095 χ^2/NDF : 37.3/42

All: -0.013 $\pm$ 0.063 χ^2/NDF : 100.5/87

- sign 0.008 $\pm$ 0.084 χ^2/NDF : 63.0/44

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 363.726+/-0.098 χ^2/NDF : 1381145.5/17

Left Out: 535.948+/-0.092 χ^2/NDF : 2749816.2/24

Right Out: 284.594+/-0.076 χ^2/NDF : 2854239.1/21

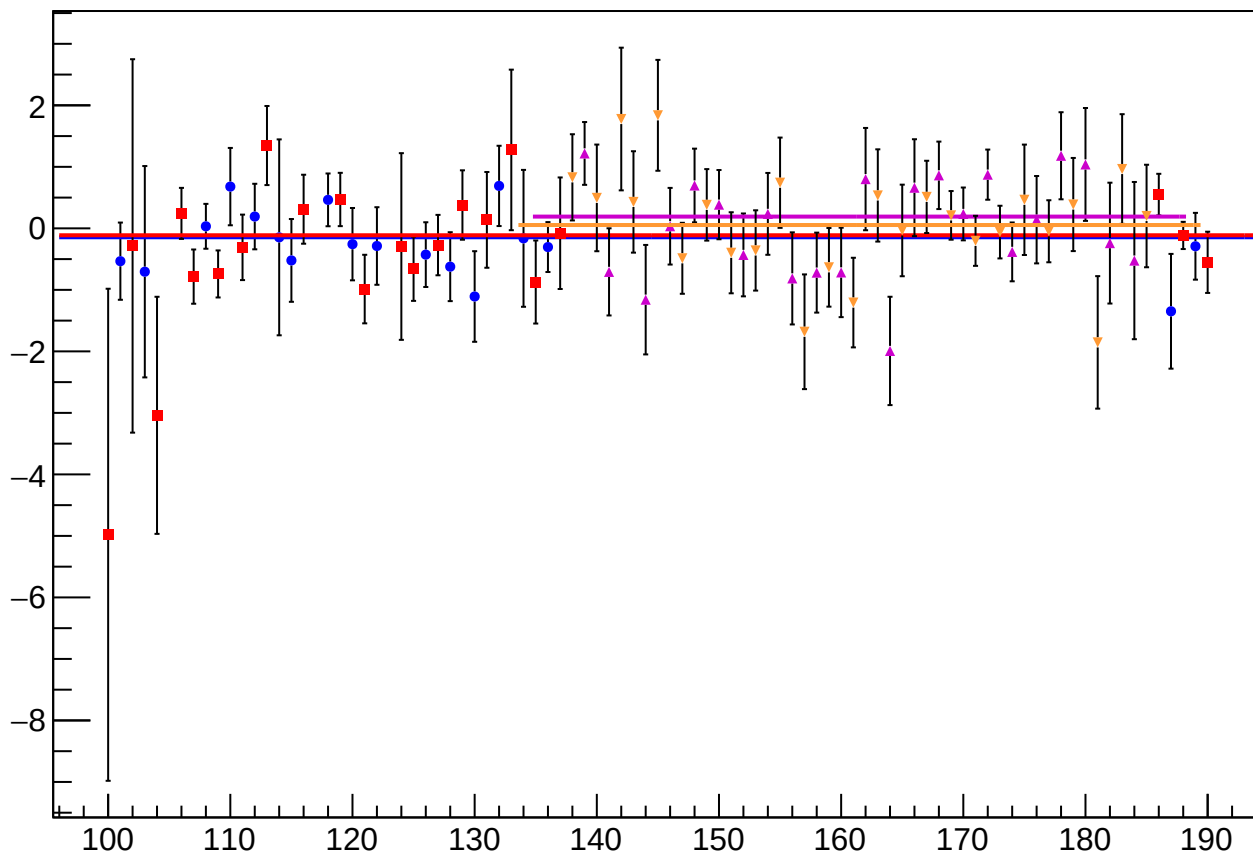
Left In: 540.809+/-0.094 χ^2/NDF : 1905035.9/22

+ sign 455.465+/-0.067 χ^2/NDF : 5783957.5/42

All: 416.523+/-0.044 χ^2/NDF : 15626046.9/87

- sign 385.955+/-0.059 χ^2/NDF : 9236078.4/44

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.145 ± 0.138 χ^2/NDF : 11.5/17

Left Out: 0.054 ± 0.130 χ^2/NDF : 24.7/24

Right Out: -0.112 ± 0.108 χ^2/NDF : 28.8/21

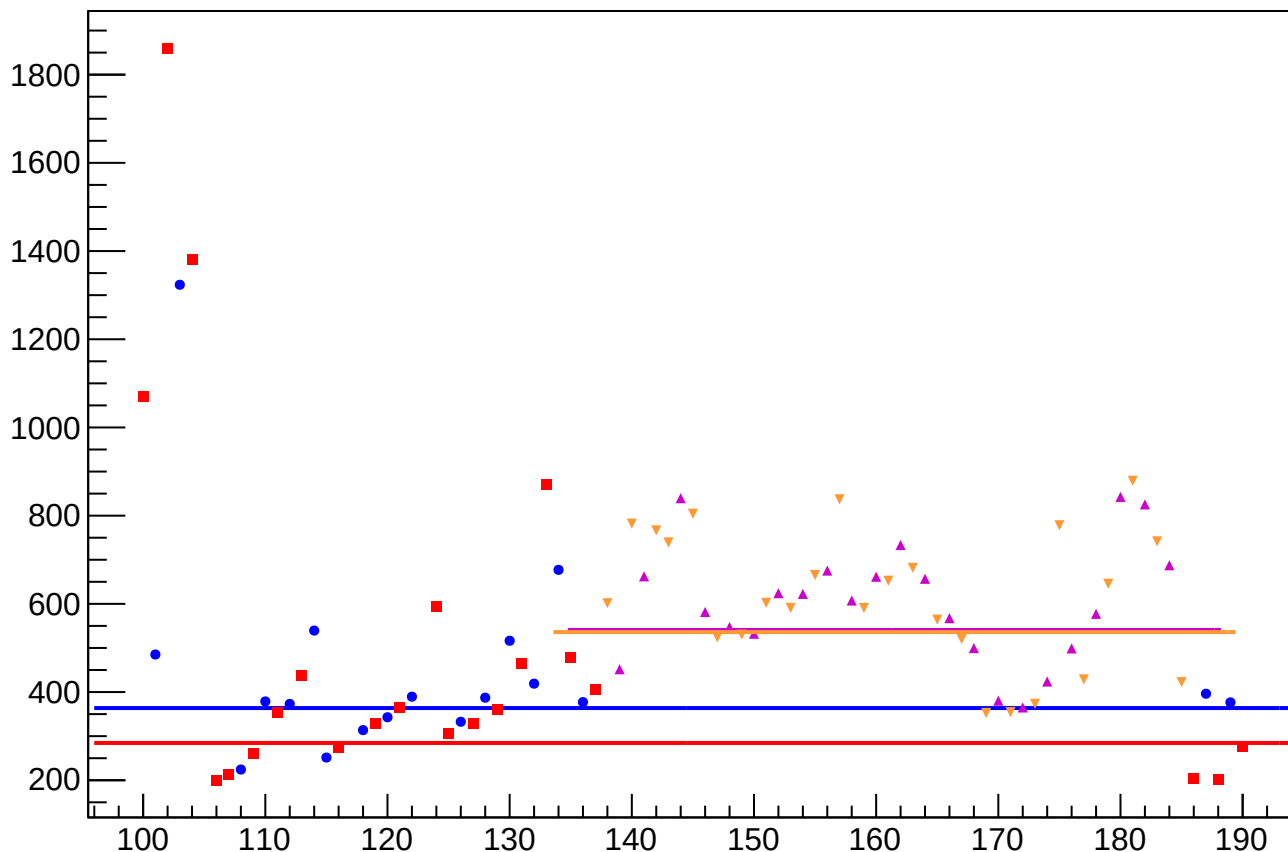
Left In: 0.191 ± 0.133 χ^2/NDF : 31.1/22

+ sign -0.039 ± 0.095 χ^2/NDF : 37.3/42

All: -0.013 ± 0.063 χ^2/NDF : 100.5/87

- sign 0.008 ± 0.084 χ^2/NDF : 63.0/44

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 363.726 ± 0.098 χ^2/NDF : 1381145.5/17

Left Out: 535.948 ± 0.092 χ^2/NDF : 2749816.2/24

Right Out: 284.594 ± 0.076 χ^2/NDF : 2854239.1/21

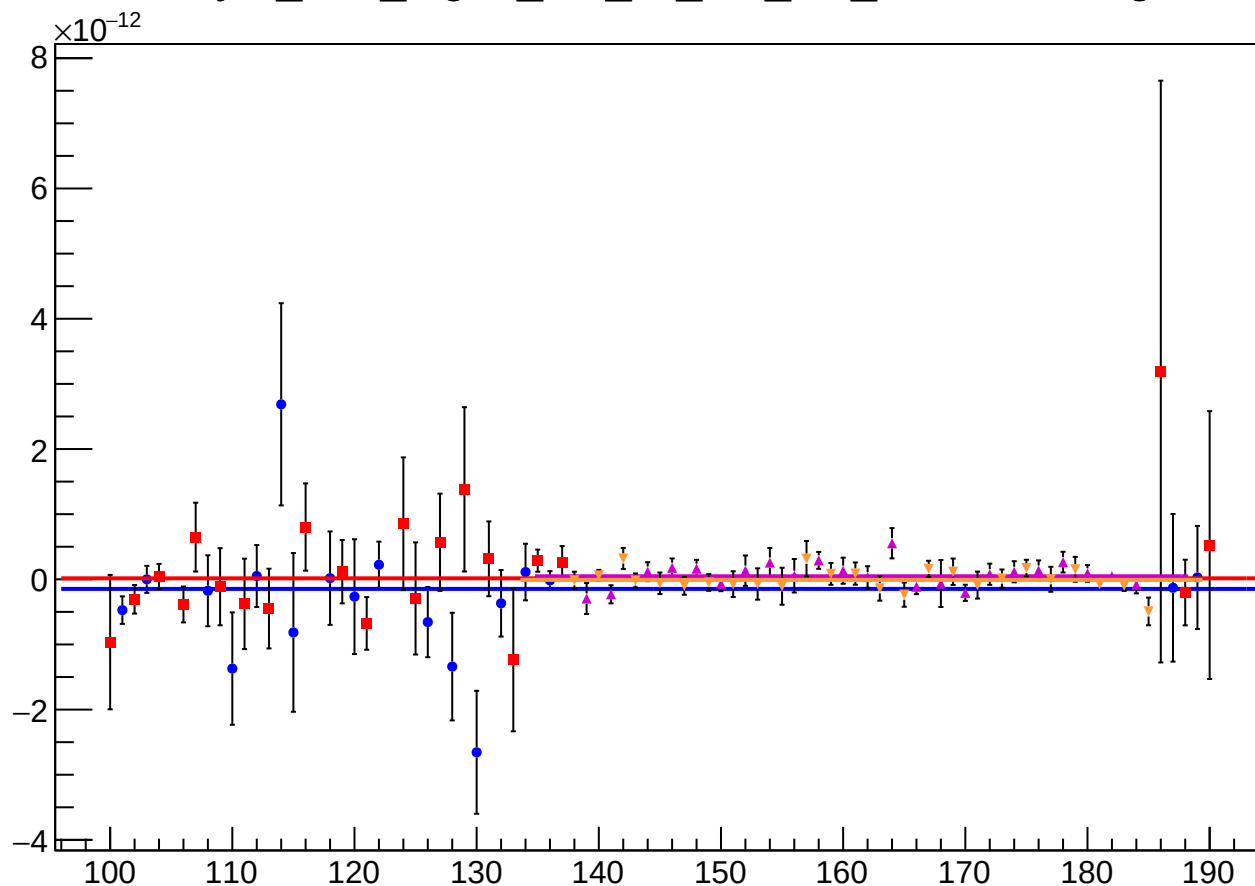
Left In: 540.809 ± 0.094 χ^2/NDF : 1905035.9/22

+ sign 455.465 ± 0.067 χ^2/NDF : 5783957.5/42

All: 416.523 ± 0.044 χ^2/NDF : 15626046.9/87

- sign 385.955 ± 0.059 χ^2/NDF : 9236078.4/44

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.3/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 20.2/21

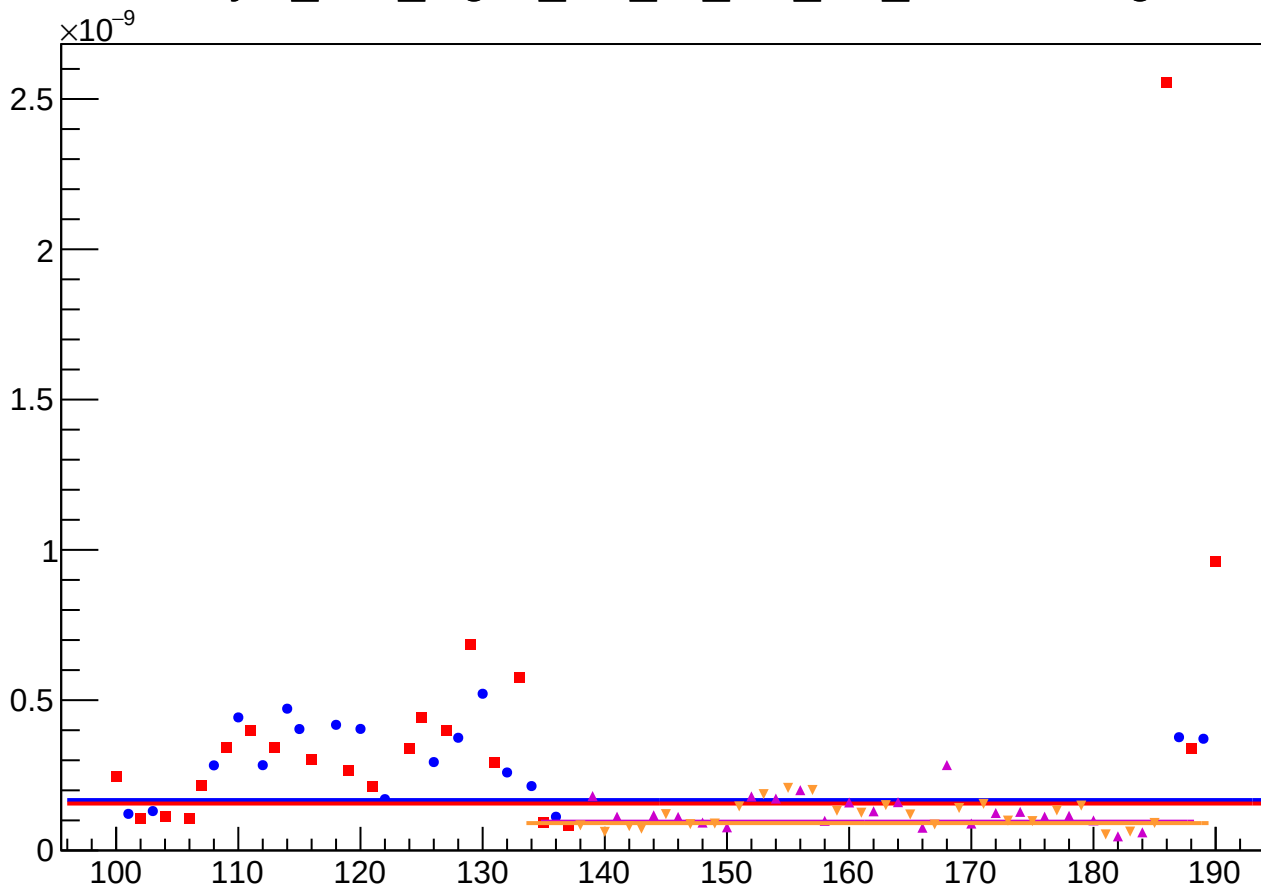
Left In: 0.000 ± 0.000 χ^2/NDF : 28.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 45.7/42

All: 0.000 ± 0.000 χ^2/NDF : 97.1/87

- sign 0.000 ± 0.000 χ^2/NDF : 48.5/44

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2215989.2/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4008969.5/21

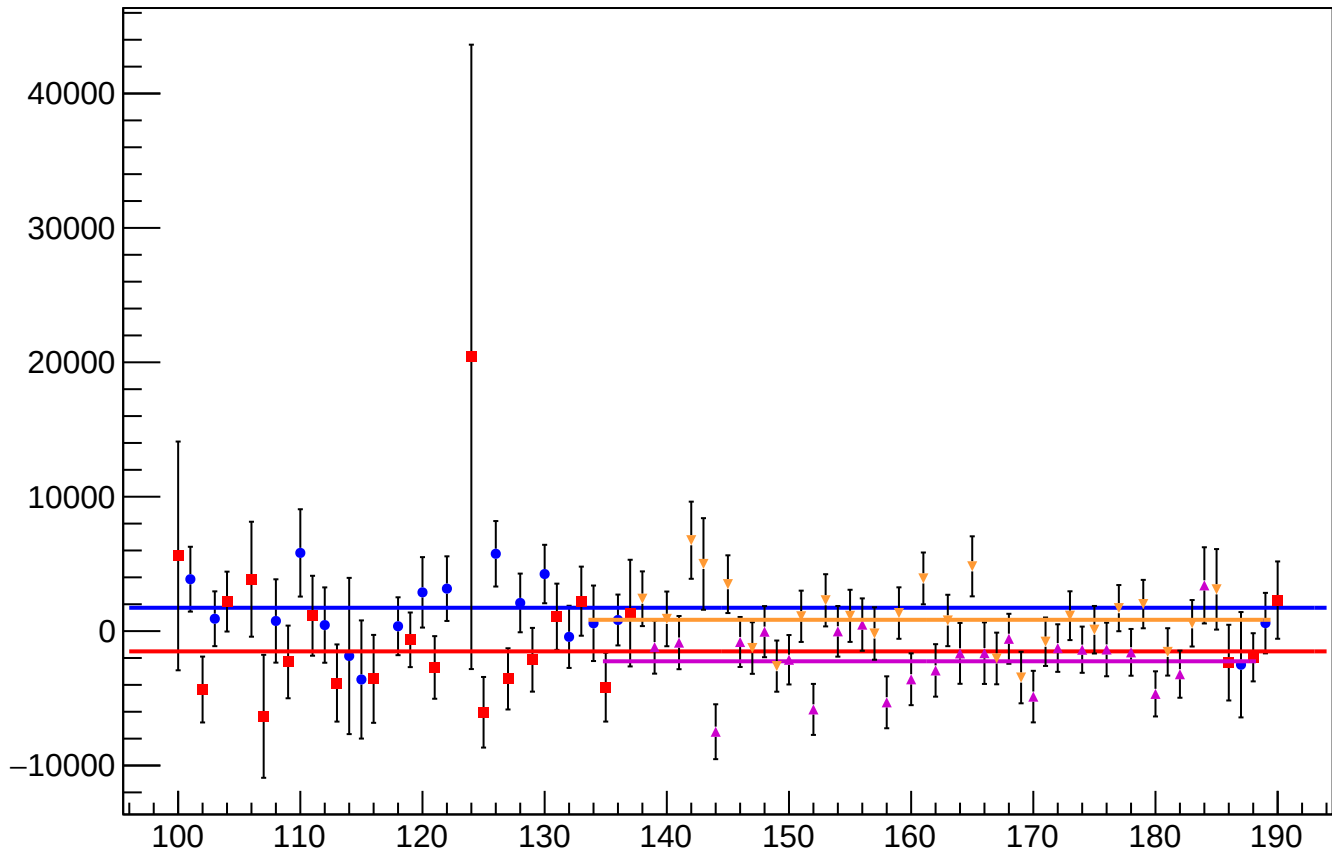
Left In: 0.000+/-0.000 χ^2/NDF : 3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 7008414.5/42

All: 0.000+/-0.000 χ^2/NDF : 15903204.3/87

- sign 0.000+/-0.000 χ^2/NDF : 8867407.1/44

reg_asym_atl_avg_mean vs Slug



Right In: 1737.060 ± 597.703 χ^2/NDF : 12.4/17

Left Out: 841.572 ± 394.444 χ^2/NDF : 30.4/24

Right Out: -1507.981 ± 578.995 χ^2/NDF : 21.3/21

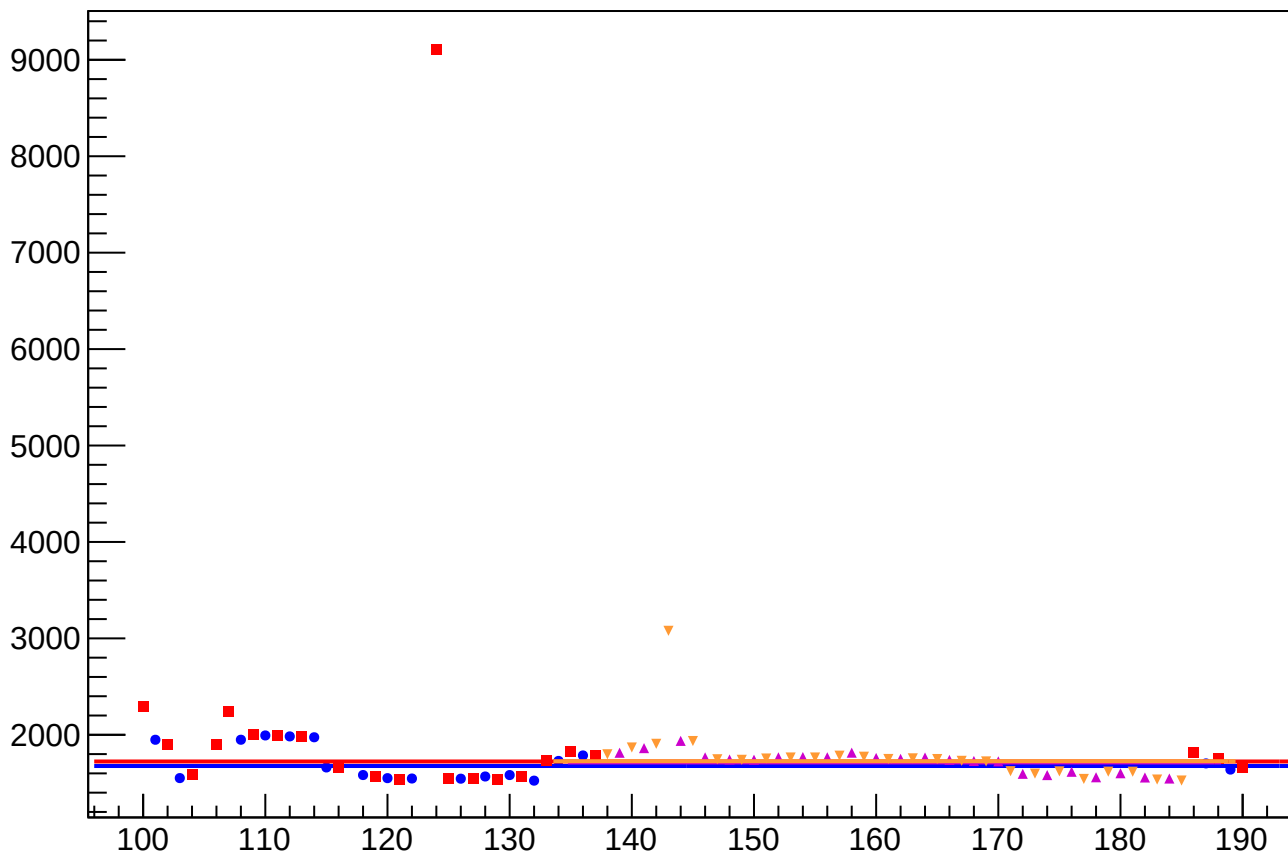
Left In: -2245.041 ± 400.753 χ^2/NDF : 29.4/22

+ sign 1113.249 ± 329.217 χ^2/NDF : 44.4/42

All: -445.092 ± 232.899 χ^2/NDF : 141.0/87

- sign -2006.306 ± 329.520 χ^2/NDF : 51.8/44

reg_asym_atl_avg_rms vs Slug



Right In: 1676.359+/-0.423 χ^2/NDF : 142140.8/17

Left Out: 1726.058+/-0.279 χ^2/NDF : 454930.8/24

Right Out: 1723.395+/-0.408 χ^2/NDF : 386937.0/21

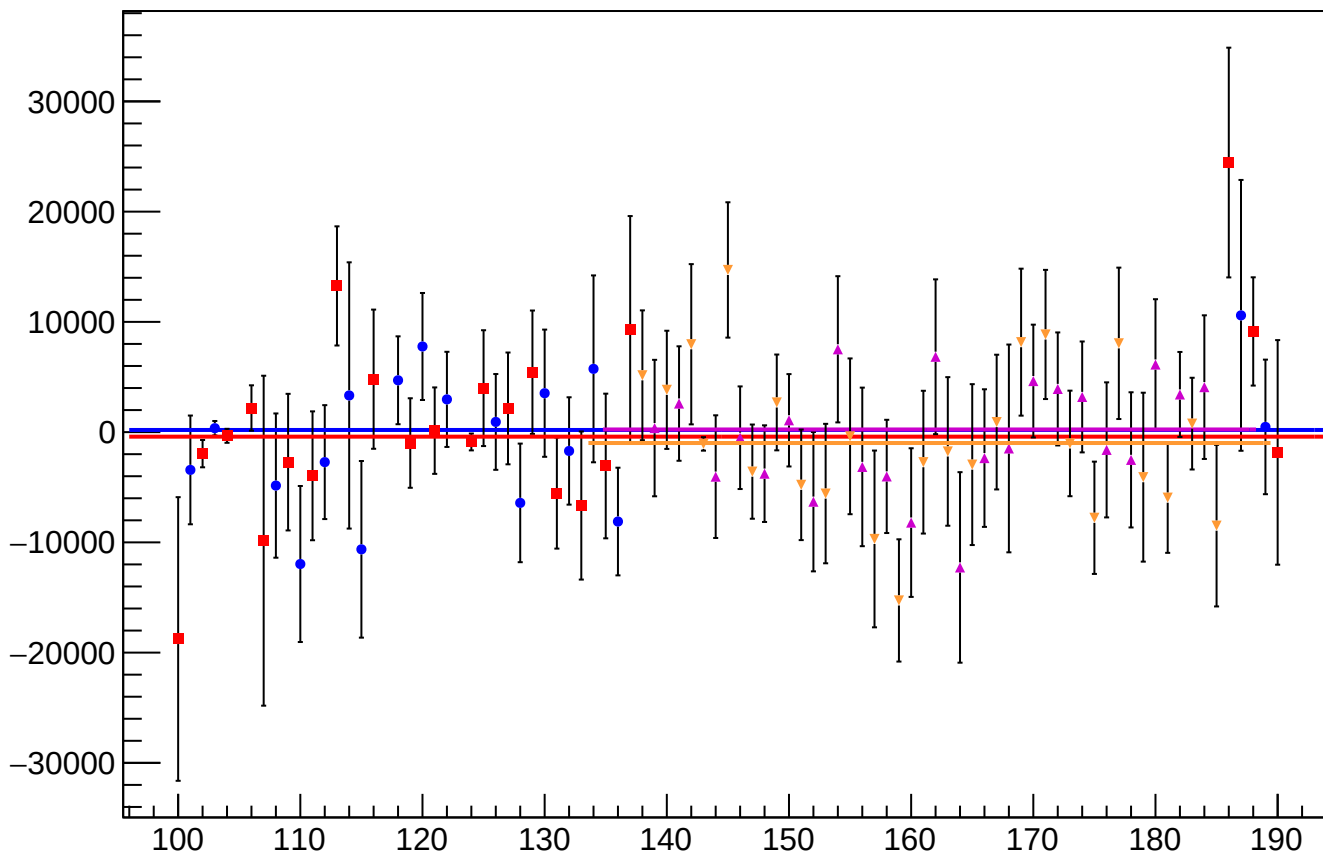
Left In: 1713.156+/-0.283 χ^2/NDF : 129290.6/22

+ sign 1710.980+/-0.233 χ^2/NDF : 606704.3/42

All: 1713.736+/-0.165 χ^2/NDF : 1123637.1/87

- sign 1716.489+/-0.233 χ^2/NDF : 516652.7/44

asym_atl_avg_reg_correction_mean vs Slug



Right In: 195.010 ± 588.172 $\chi^2/\text{NDF}: 16.6/17$

Left Out: -987.621 ± 541.250 $\chi^2/\text{NDF}: 30.8/24$

Right Out: -410.837 ± 422.490 $\chi^2/\text{NDF}: 28.1/21$

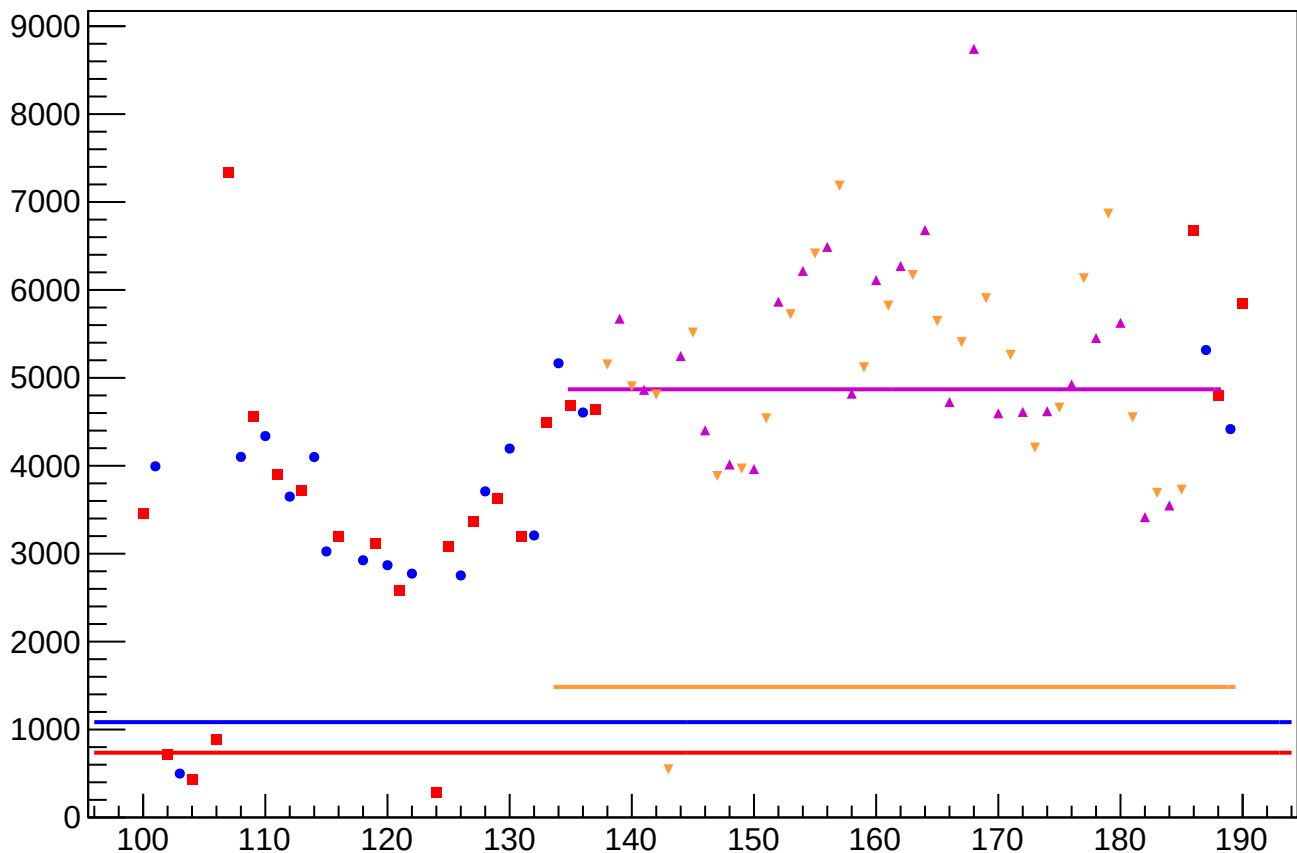
Left In: 239.582 ± 1165.046 $\chi^2/\text{NDF}: 13.5/22$

+ sign -445.353 ± 398.278 $\chi^2/\text{NDF}: 49.6/42$

All: -390.146 ± 281.236 $\chi^2/\text{NDF}: 91.5/87$

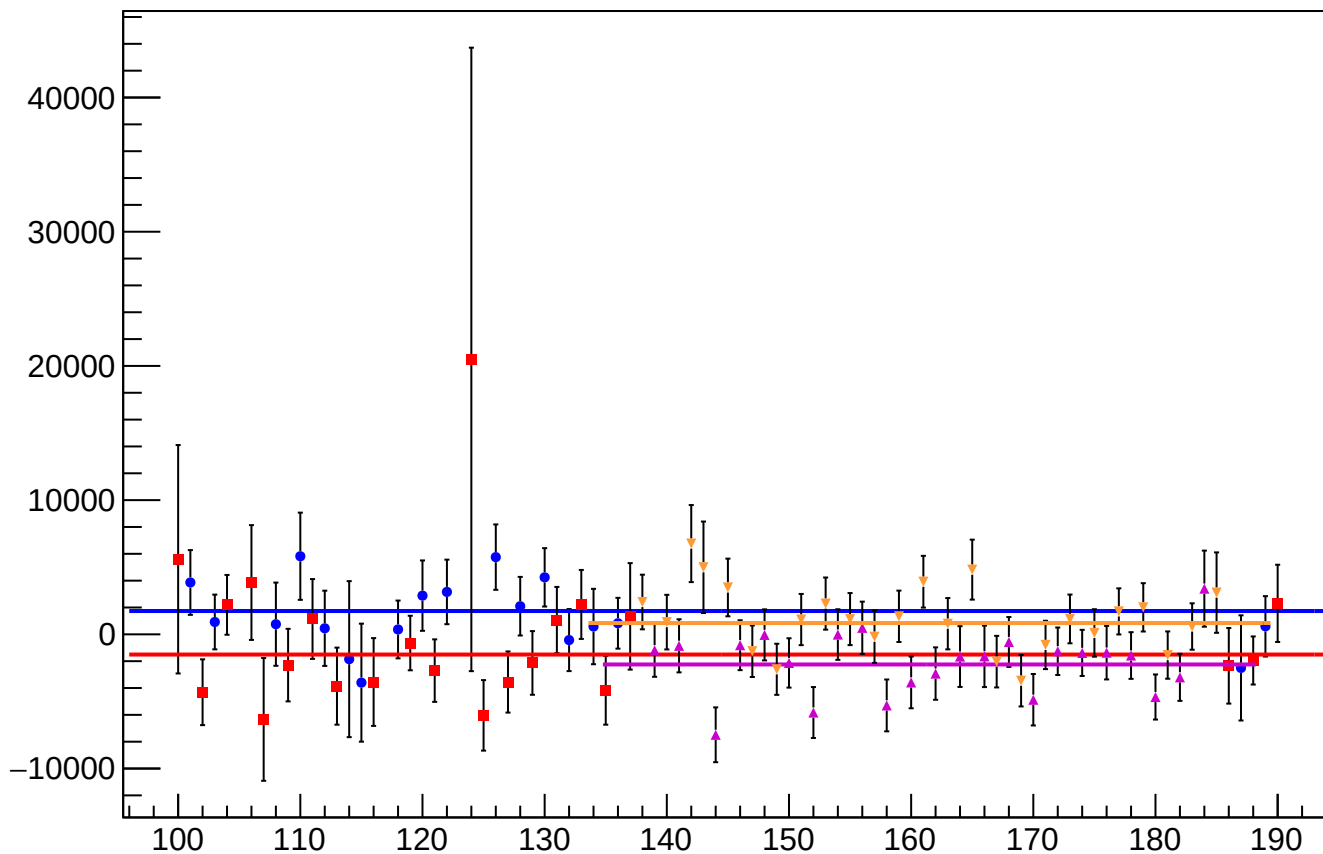
- sign -335.244 ± 397.181 $\chi^2/\text{NDF}: 41.9/44$

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1084.245+/-0.416	χ^2/NDF : 8955286.6/17	+ sign 1301.007+/-0.282	χ^2/NDF : 32681891.5/42
Left Out: 1484.563+/-0.383	χ^2/NDF : 23224946.4/24	All: 1258.830+/-0.199	χ^2/NDF : 67630352.1/8
Right Out: 736.517+/-0.299	χ^2/NDF : 11183221.6/21	- sign 1216.886+/-0.281	χ^2/NDF : 34903726.9/44
Left In: 4869.707+/-0.824	χ^2/NDF : 1474225.9/22		

cor_asym_atl_avg_mean vs Slug



Right In: 1737.204 ± 597.703 χ^2/NDF : 12.4/17

Left Out: 841.564 ± 394.444 χ^2/NDF : 30.4/24

Right Out: -1506.013 ± 578.999 χ^2/NDF : 21.3/21

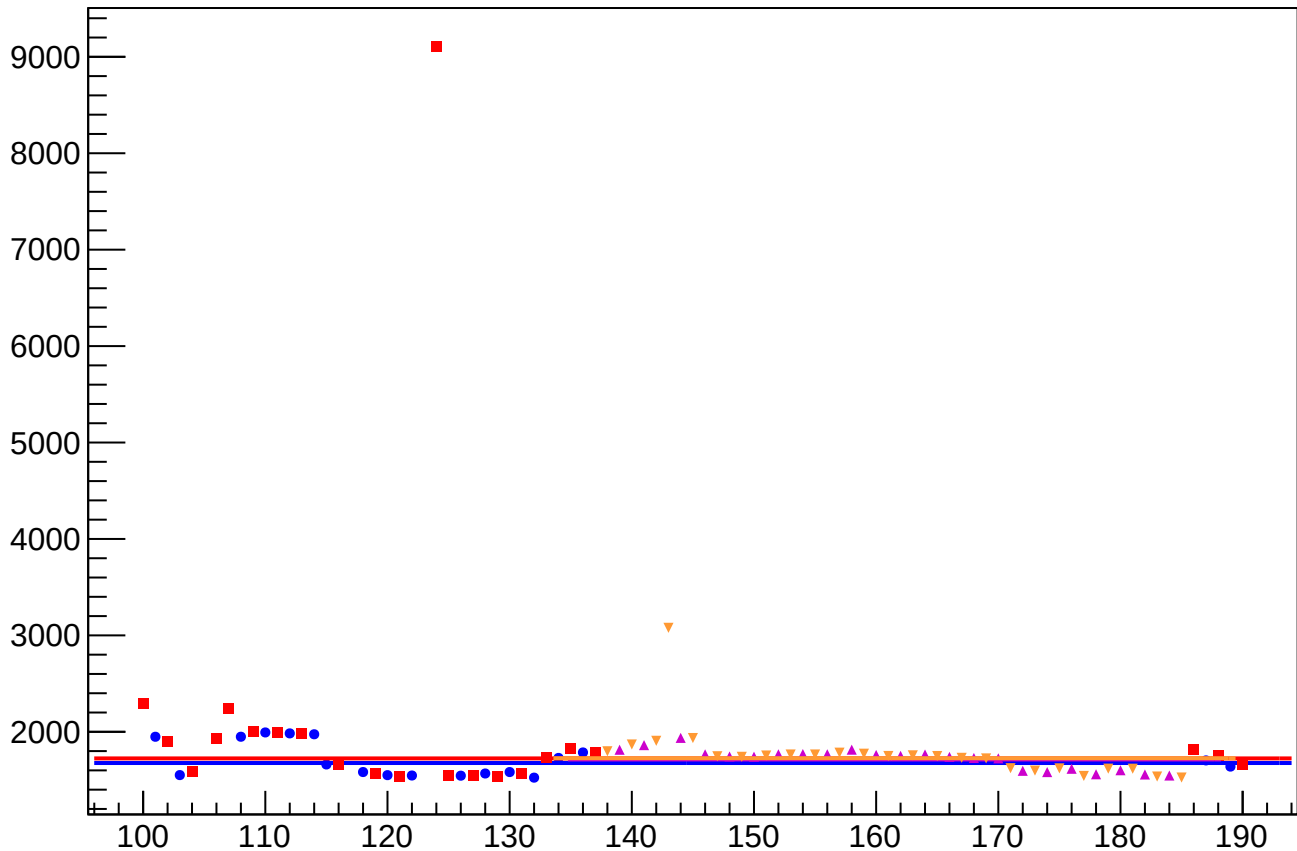
Left In: -2245.061 ± 400.753 χ^2/NDF : 29.4/22

+ sign 1113.288 ± 329.217 χ^2/NDF : 44.4/42

All: -444.759 ± 232.899 χ^2/NDF : 141.0/87

- sign -2005.683 ± 329.521 χ^2/NDF : 51.8/44

cor_asym_atl_avg_rms vs Slug



Right In: 1676.359+/-0.423 χ^2/NDF : 142140.9/17

Left Out: 1726.058+/-0.279 χ^2/NDF : 454930.8/24

Right Out: 1724.078+/-0.408 χ^2/NDF : 388639.0/21

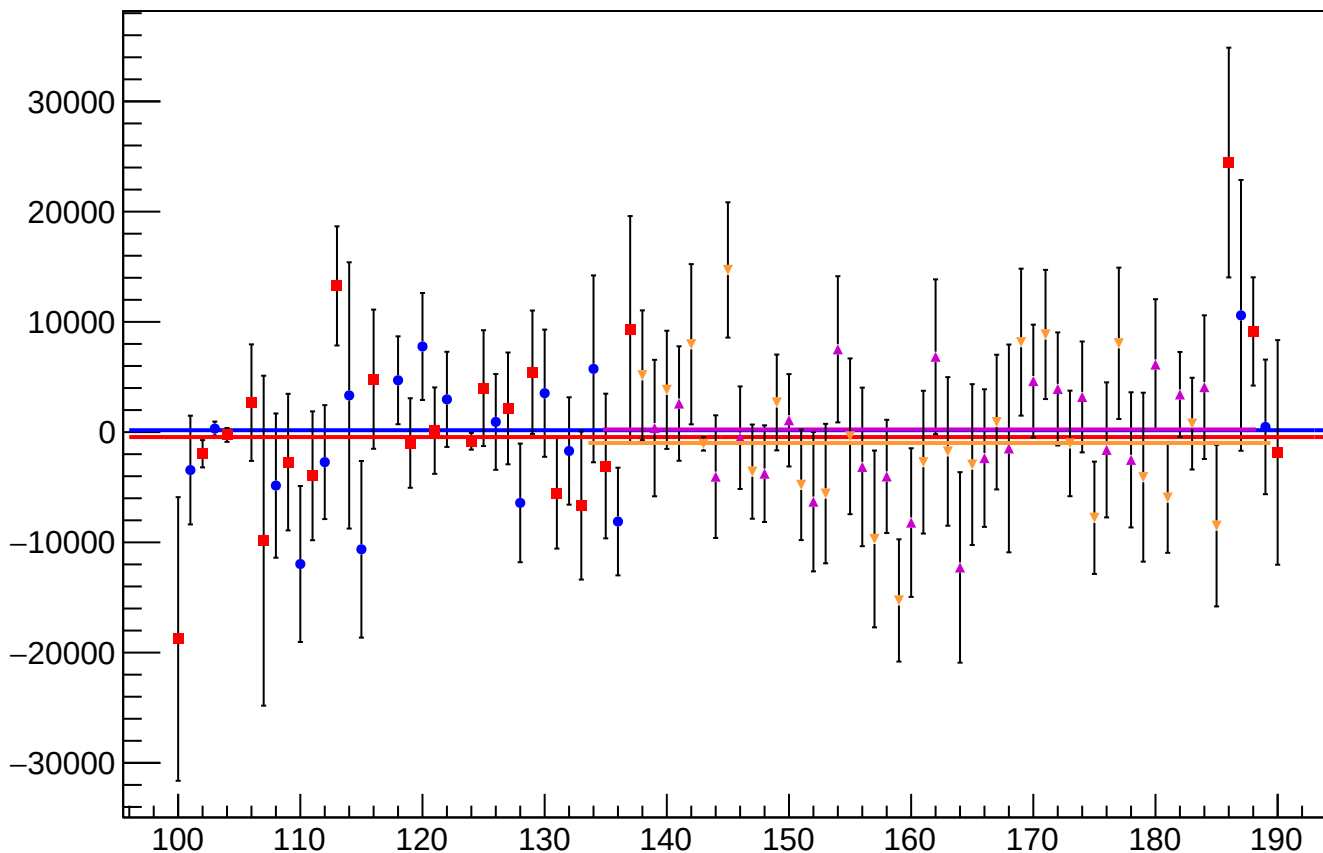
Left In: 1713.156+/-0.283 χ^2/NDF : 129290.6/22

+ sign 1710.980+/-0.233 χ^2/NDF : 606704.4/42

All: 1713.846+/-0.165 χ^2/NDF : 1125420.4/87

- sign 1716.710+/-0.233 χ^2/NDF : 518413.1/44

asym_atl_avg_cor_correction_mean vs Slug



Right In: 172.439 $\pm$ 576.129 χ^2 /NDF: 16.5/17

Left Out: -987.291 $\pm$ 541.232 χ^2 /NDF:30.8/24

Right Out: -447.747 $\pm$ 428.233 χ^2 /NDF: 26.8/21

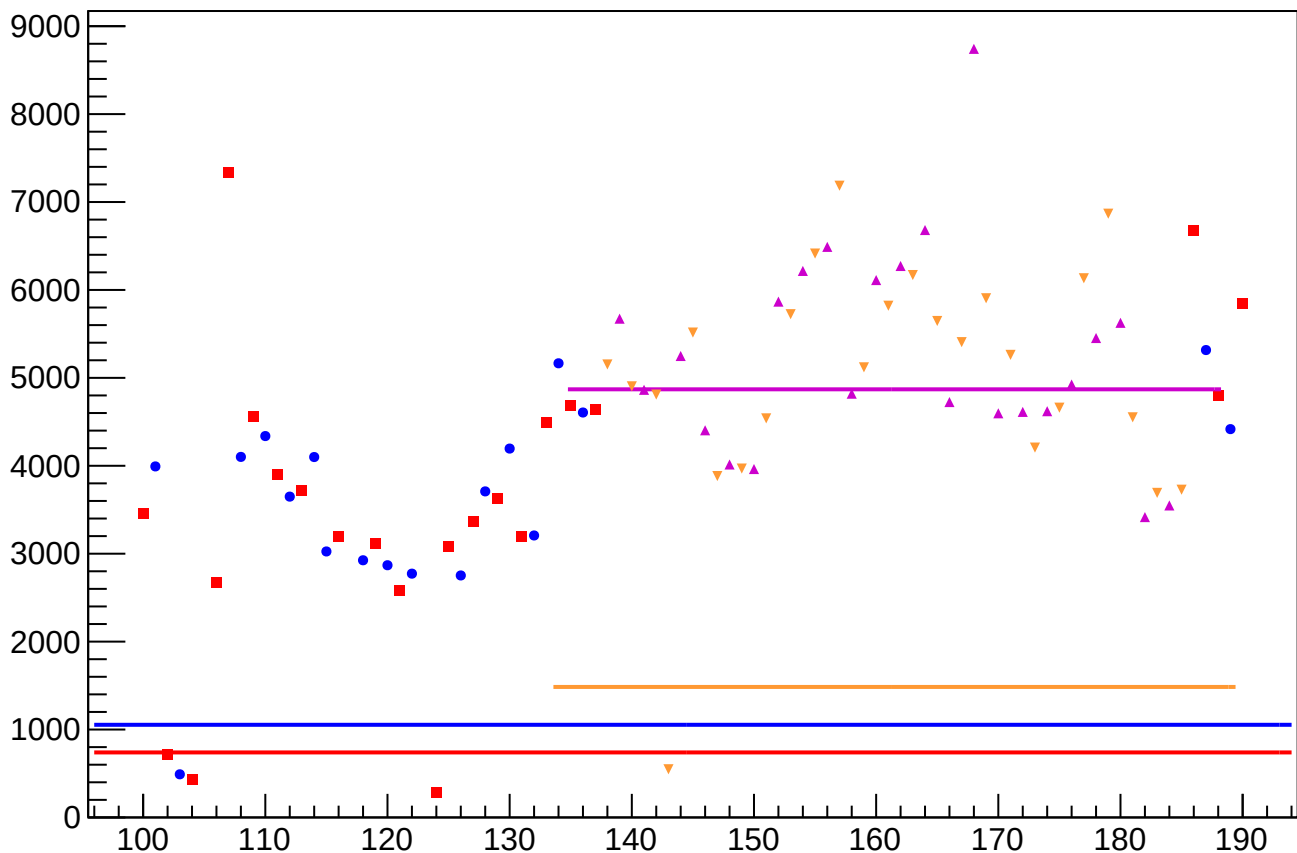
Left In: 239.478 $\pm$ 1165.045 χ^2 /NDF:13.5/22

+ sign -443.611 $\pm$ 394.469 χ^2 /NDF: 49.5/42

All: -405.509 $\pm$ 281.536 χ^2 /NDF: 90.2/87

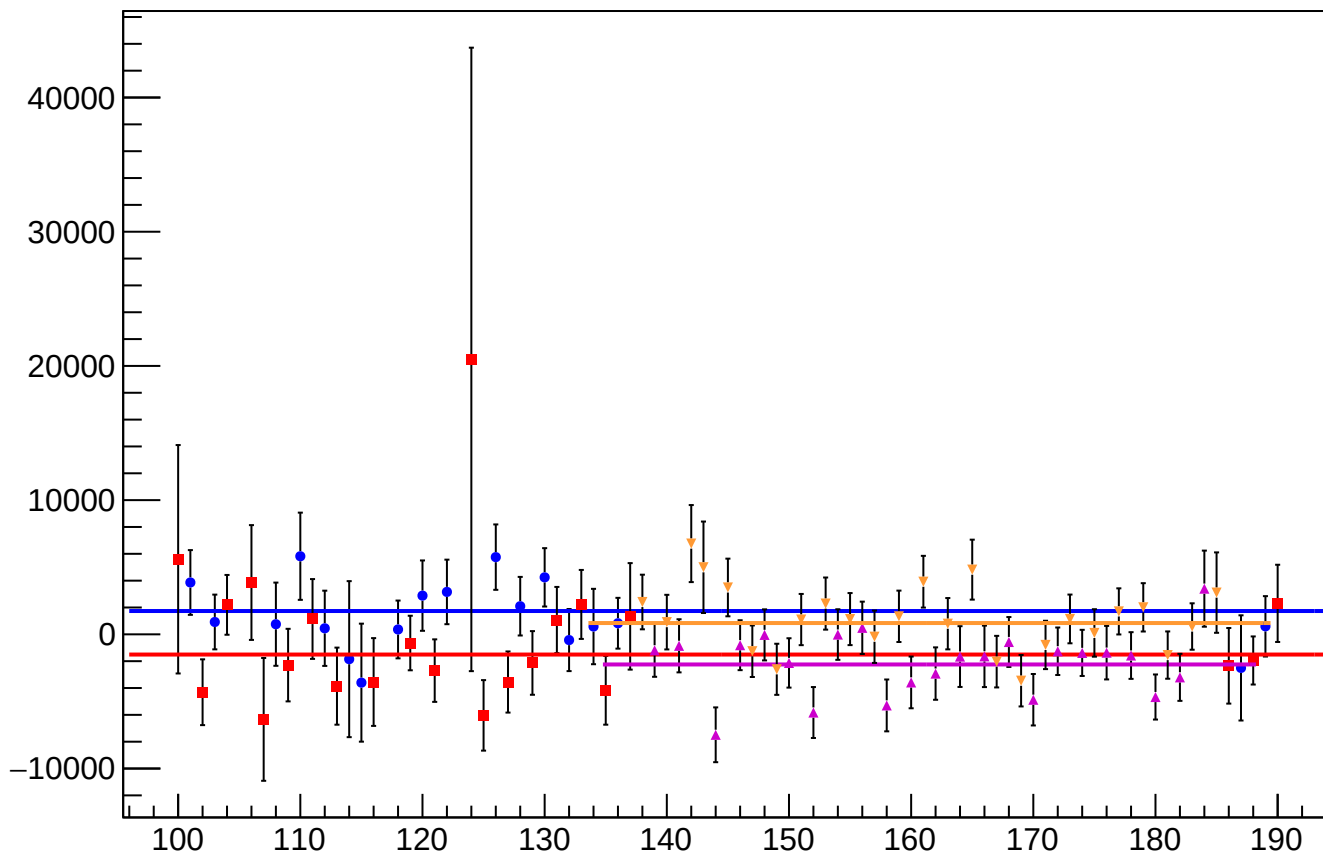
- sign -365.950 $\pm$ 401.941 χ^2 /NDF: 40.7/44

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1053.878+/-0.407	χ^2/NDF : 9080505.0/17	+ sign 1282.617+/-0.279	χ^2/NDF : 32899560.8/42
Left Out: 1484.485+/-0.383	χ^2/NDF : 23225570.5/24	All: 1257.371+/-0.199	χ^2/NDF : 67992898.6/8
Right Out: 739.569+/-0.303	χ^2/NDF : 11459434.7/21	- sign 1231.159+/-0.284	χ^2/NDF : 35076640.1/44
Left In: 4869.699+/-0.824	χ^2/NDF : 1474252.6/22		

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1737.204 ± 597.703 χ^2/NDF : 12.4/17

Left Out: 841.564 ± 394.444 χ^2/NDF : 30.4/24

Right Out: -1506.013 ± 578.999 χ^2/NDF : 21.3/21

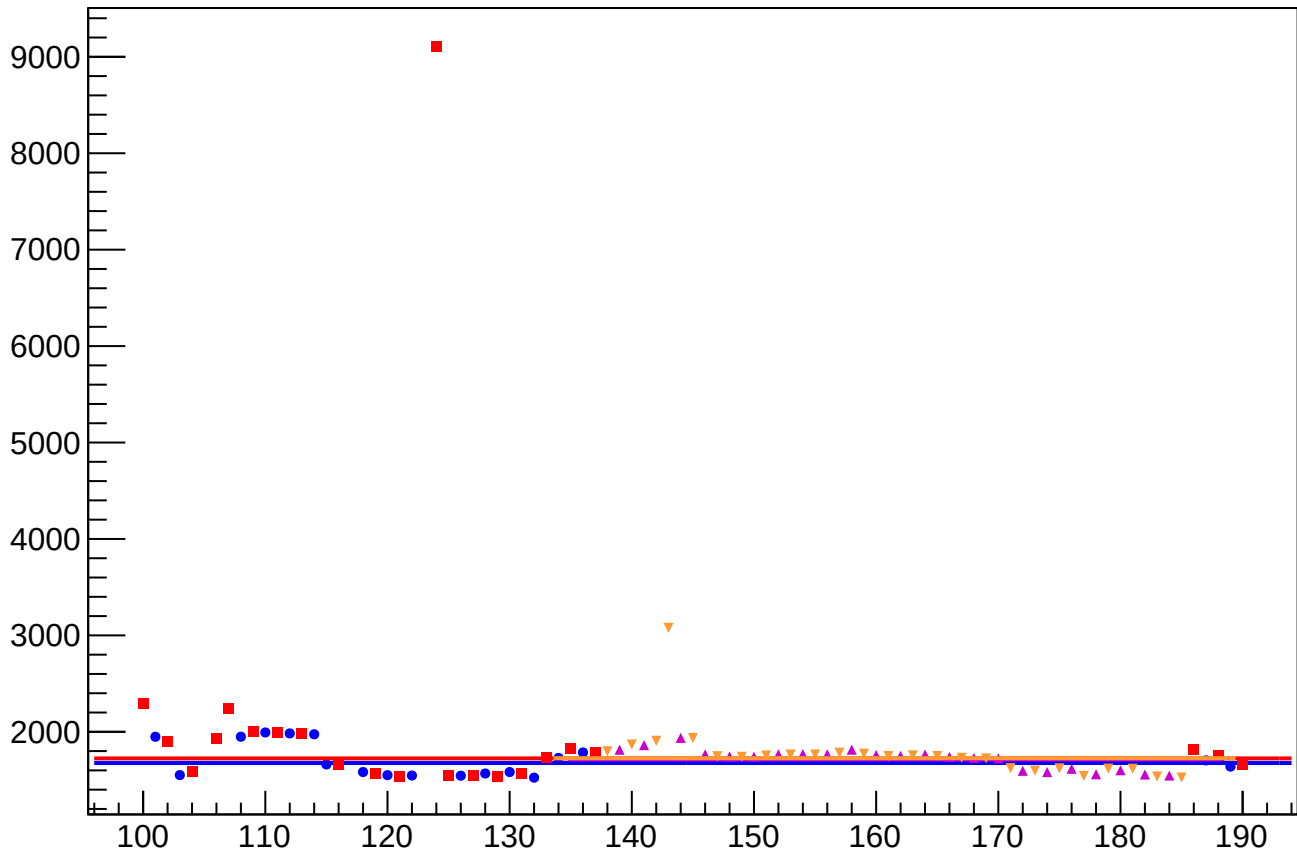
Left In: -2245.061 ± 400.753 χ^2/NDF : 29.4/22

+ sign 1113.288 ± 329.217 χ^2/NDF : 44.4/42

All: -444.759 ± 232.899 χ^2/NDF : 141.0/87

- sign -2005.683 ± 329.521 χ^2/NDF : 51.8/44

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1676.359+/-0.423 χ^2/NDF : 142140.9/17

Left Out: 1726.058+/-0.279 χ^2/NDF : 454930.8/24

Right Out: 1724.078+/-0.408 χ^2/NDF : 388639.0/21

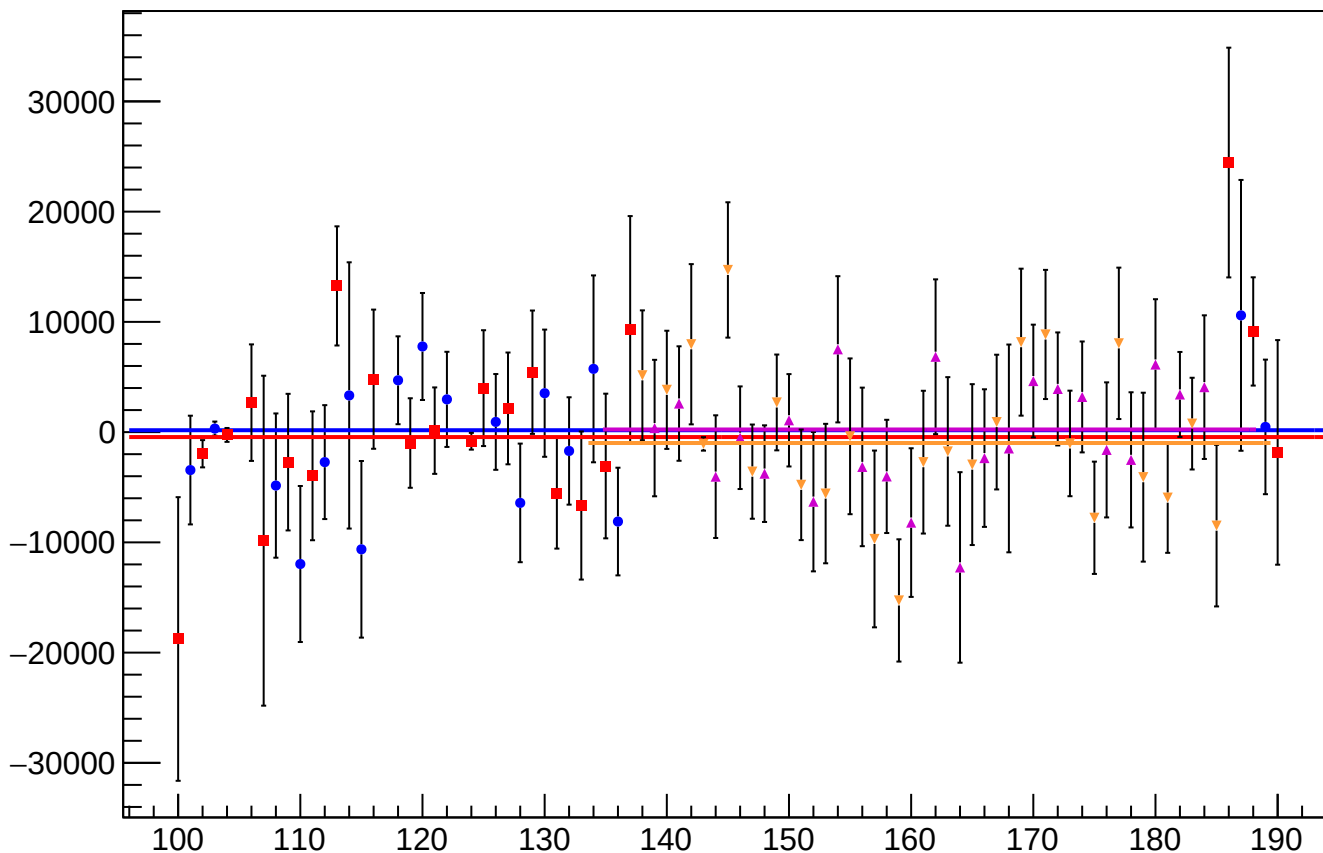
Left In: 1713.156+/-0.283 χ^2/NDF : 129290.6/22

+ sign 1710.980+/-0.233 χ^2/NDF : 606704.4/42

All: 1713.846+/-0.165 χ^2/NDF : 1125420.4/87

- sign 1716.710+/-0.233 χ^2/NDF : 518413.1/44

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 172.439 $\pm$ 576.129 χ^2 /NDF: 16.5/17

Left Out: -987.291 $\pm$ 541.232 χ^2 /NDF:30.8/24

Right Out: -447.747 $\pm$ 428.233 χ^2 /NDF: 26.8/21

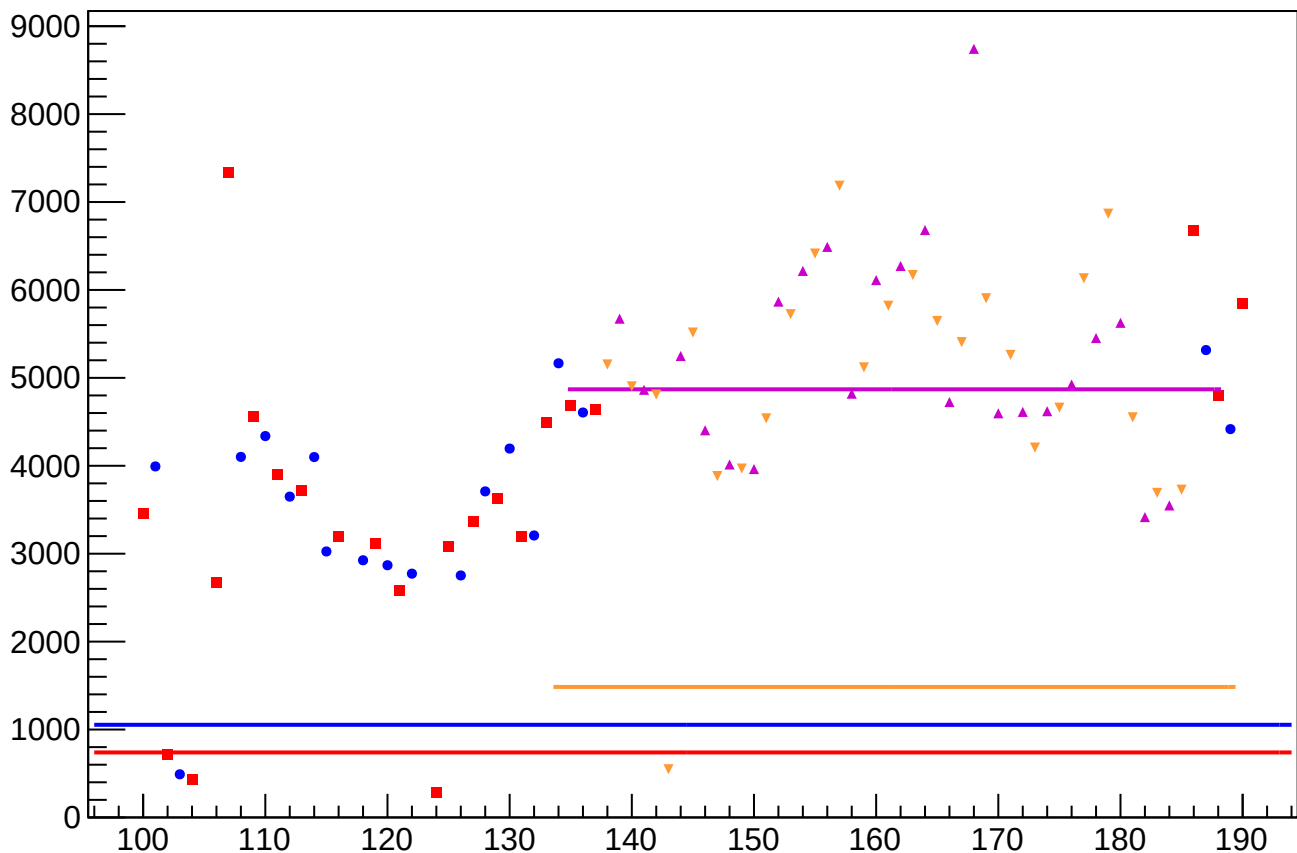
Left In: 239.478 $\pm$ 1165.045 χ^2 /NDF:13.5/22

+ sign -443.611 $\pm$ 394.469 χ^2 /NDF: 49.5/42

All: -405.509 $\pm$ 281.536 χ^2 /NDF: 90.2/87

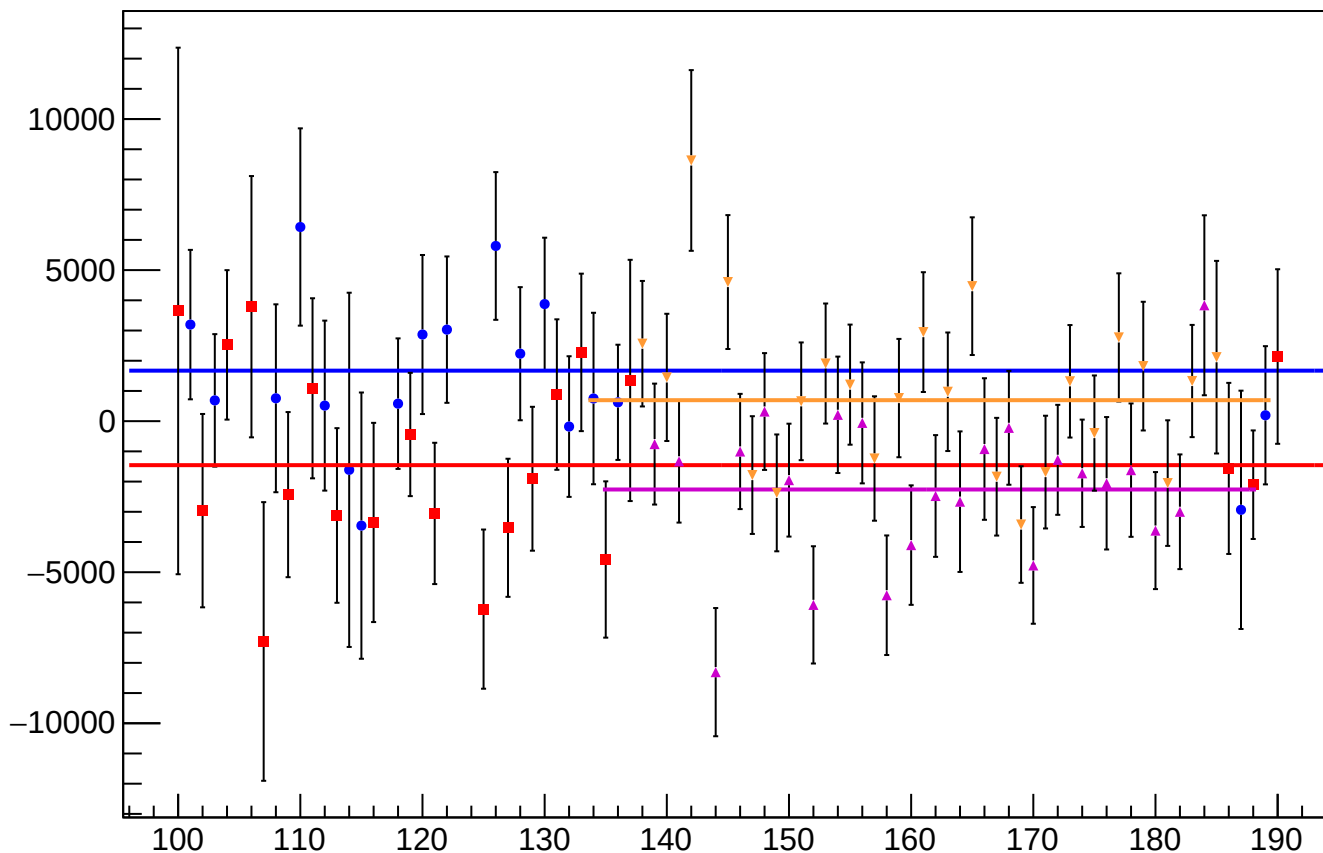
- sign -365.950 $\pm$ 401.941 χ^2 /NDF: 40.7/44

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1053.878+/-0.407	χ^2/NDF : 9080505.0/17	+ sign 1282.617+/-0.279	χ^2/NDF : 32899560.8/42
Left Out: 1484.485+/-0.383	χ^2/NDF : 23225570.5/24	All: 1257.371+/-0.199	χ^2/NDF : 67992898.6/8
Right Out: 739.569+/-0.303	χ^2/NDF : 11459434.7/21	- sign 1231.159+/-0.284	χ^2/NDF : 35076640.1/44
Left In: 4869.699+/-0.824	χ^2/NDF : 1474252.6/22		

dit_asym_atl_avg_mean vs Slug



Right In: 1671.935 $\pm$ 605.870 χ^2 /NDF: 12.1/17

Left Out: 694.317 $\pm$ 418.051 χ^2 /NDF:32.2/23

Right Out: -1456.234 $\pm$ 593.109 χ^2 /NDF: 19.2/20

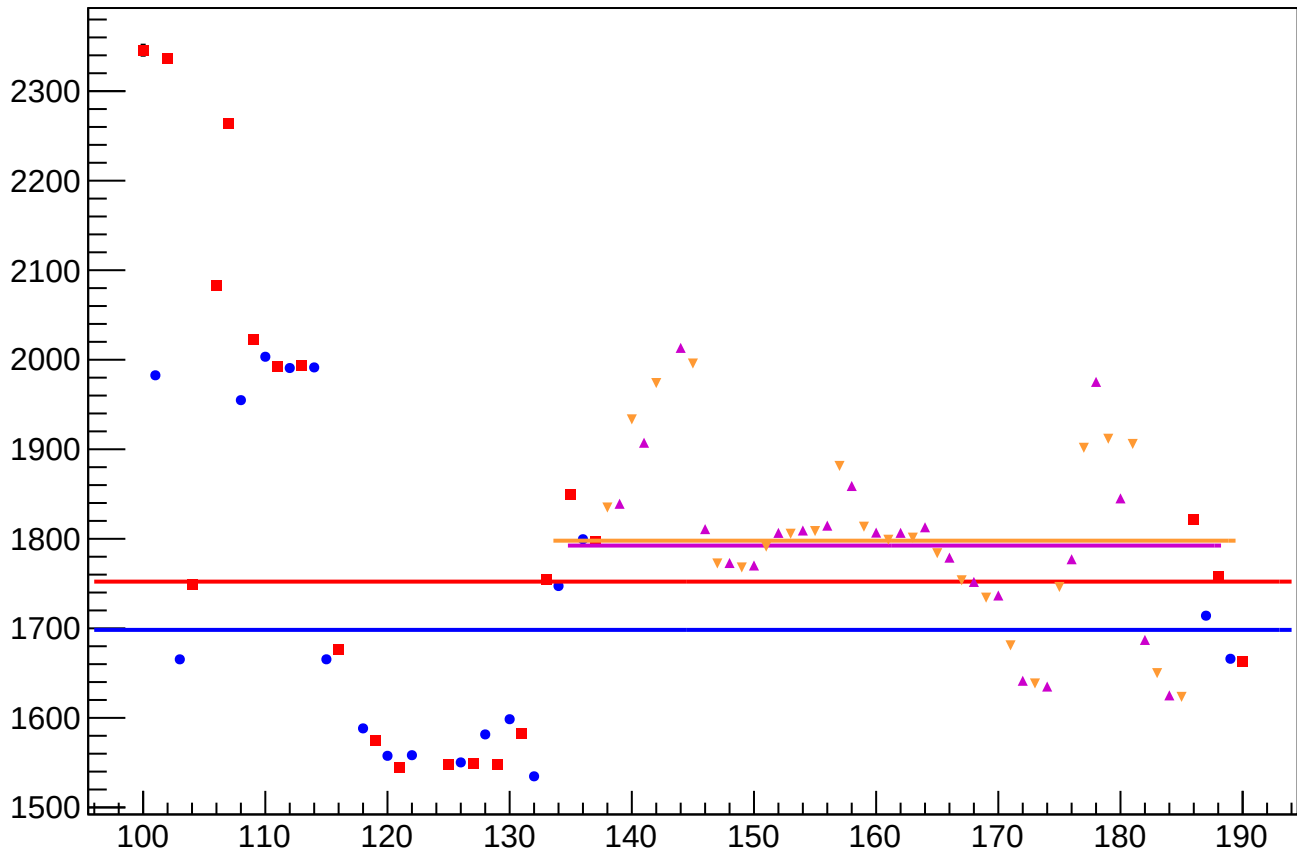
Left In: -2261.767 $\pm$ 419.177 χ^2 /NDF:30.4/22

+ sign 1009.637 $\pm$ 344.089 χ^2 /NDF: 46.1/41

All: -499.664 $\pm$ 242.678 χ^2 /NDF: 135.2/85

- sign -1993.439 $\pm$ 342.315 χ^2 /NDF: 50.8/43

dit_asym_atl_avg_rms vs Slug



Right In: 1698.272 $\pm$ 0.428 χ^2 /NDF: 135870.9/17

Left Out: 1797.909 $\pm$ 0.296 χ^2 /NDF: 98002.1/23

Right Out: 1752.190 $\pm$ 0.419 χ^2 /NDF: 251081.6/20

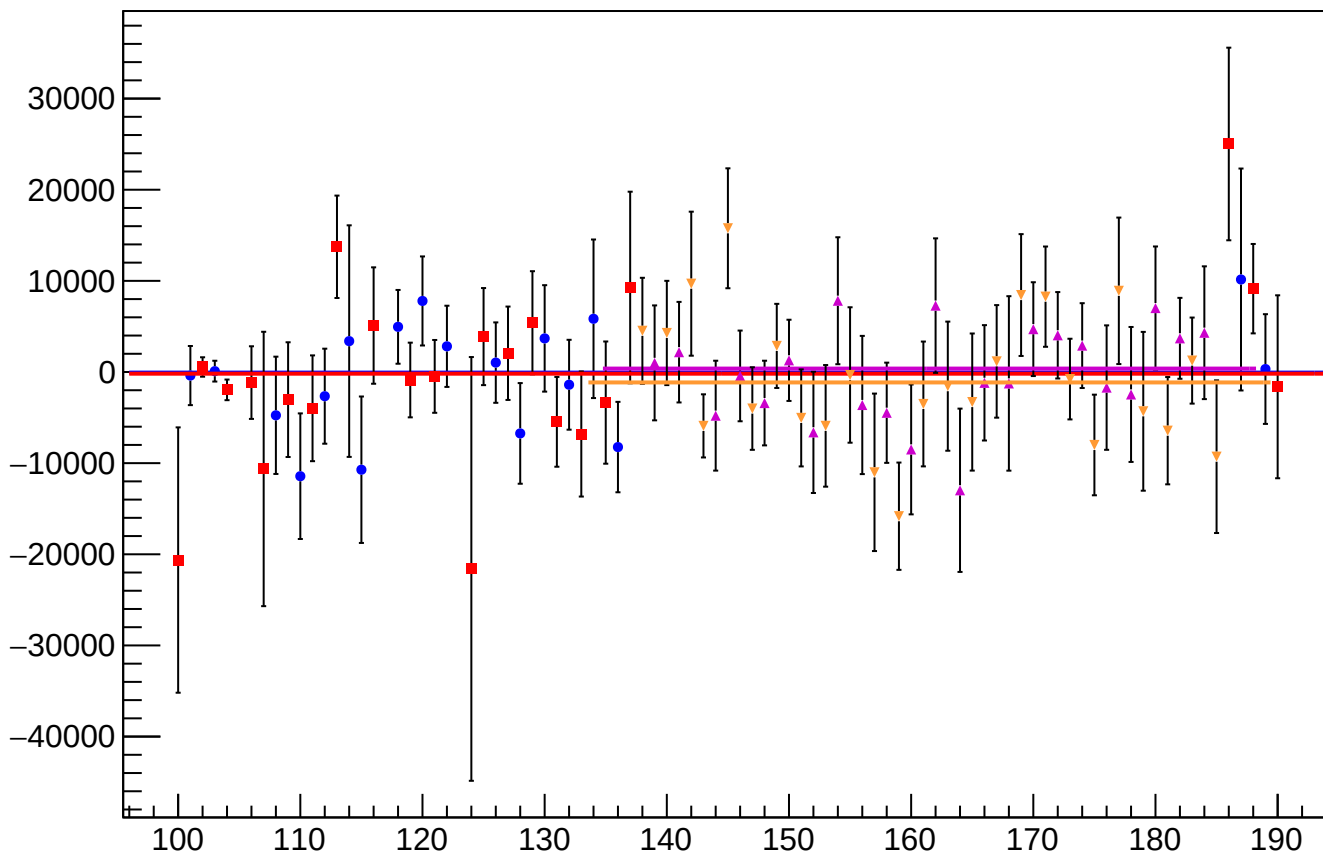
Left In: 1792.450 $\pm$ 0.296 χ^2 /NDF: 92875.2/22

+ sign 1765.773 $\pm$ 0.243 χ^2 /NDF: 270516.4/41

All: 1772.428 $\pm$ 0.172 χ^2 /NDF: 622121.8/85

- sign 1779.006 $\pm$ 0.242 χ^2 /NDF: 350117.7/43

asym_atl_avg_dit_correction_mean vs Slug



Right In: -65.476 ± 856.641 χ^2/NDF : 15.8/17

Left Out: -1144.405 ± 1164.458 χ^2/NDF : 32.6/24

Right Out: -183.109 ± 669.883 χ^2/NDF : 28.0/21

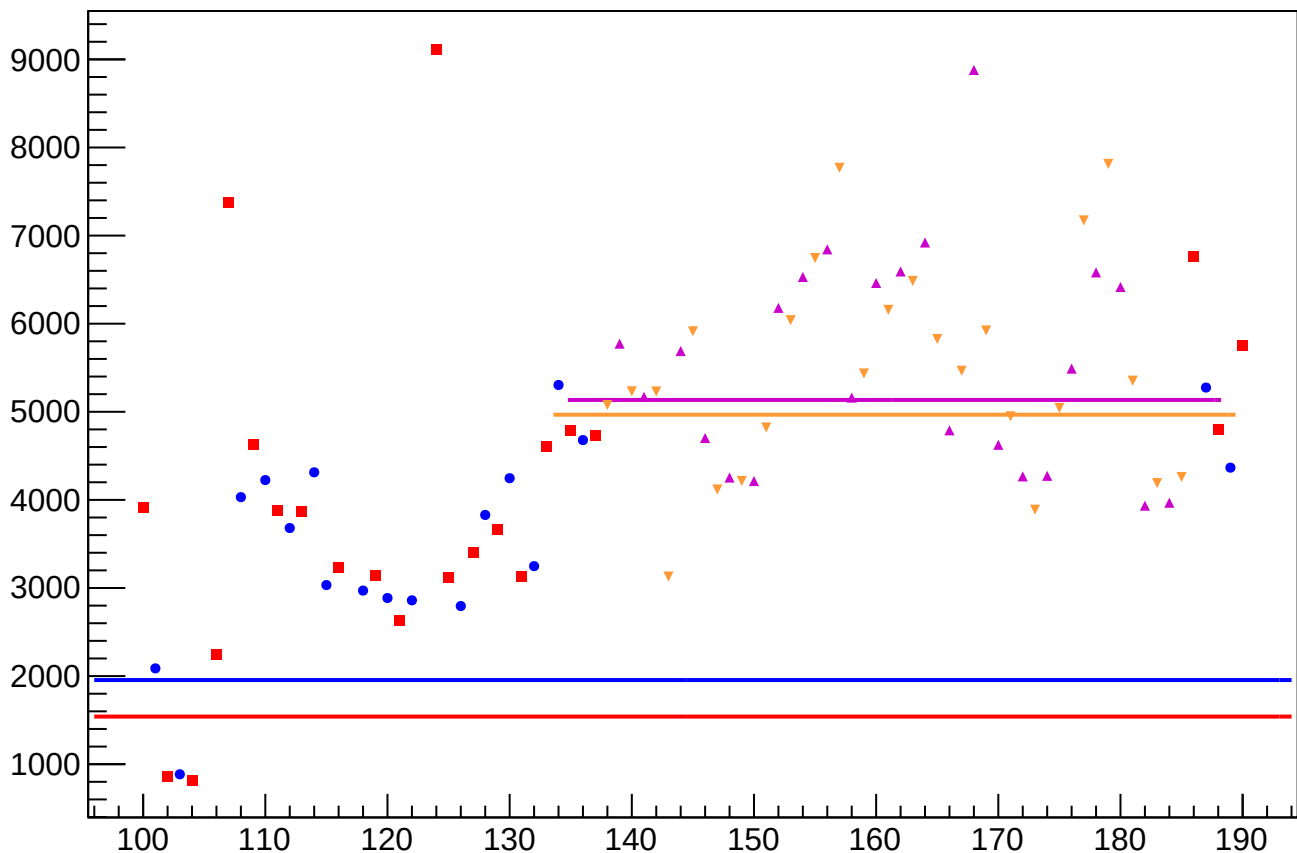
Left In: 374.927 ± 1228.699 χ^2/NDF : 13.3/22

+ sign -444.343 ± 690.035 χ^2/NDF : 48.9/42

All: -218.975 ± 447.616 χ^2/NDF : 90.5/87

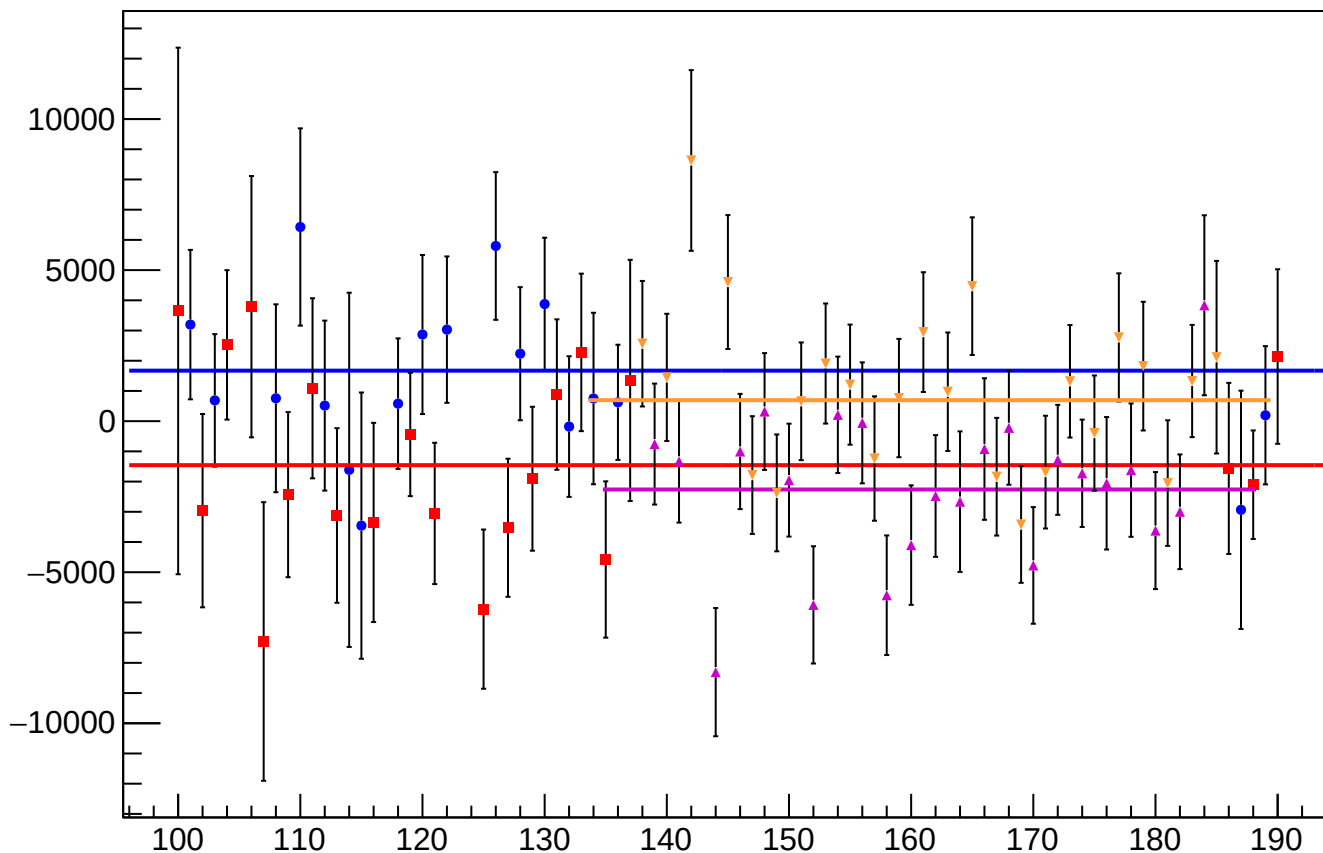
- sign -55.245 ± 588.151 χ^2/NDF : 41.4/44

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1954.949 $\pm$ 0.606	χ^2 /NDF: 4907147.1/17	+ sign 3012.592 $\pm$ 0.488	χ^2 /NDF: 15506997.1/42
Left Out: 4966.879 $\pm$ 0.823	χ^2 /NDF: 1917937.7/24	All: 2636.918 $\pm$ 0.317	χ^2 /NDF: 38944357.6/8
Right Out: 1540.504 $\pm$ 0.474	χ^2 /NDF: 7736331.6/21	- sign 2363.991 $\pm$ 0.416	χ^2 /NDF: 22413888.1/44
Left In: 5134.445 $\pm$ 0.869	χ^2 /NDF: 1487075.9/22		

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1671.934 ± 605.870 χ^2/NDF : 12.1/17

Left Out: 694.313 ± 418.051 χ^2/NDF : 32.2/23

Right Out: -1456.232 ± 593.109 χ^2/NDF : 19.2/20

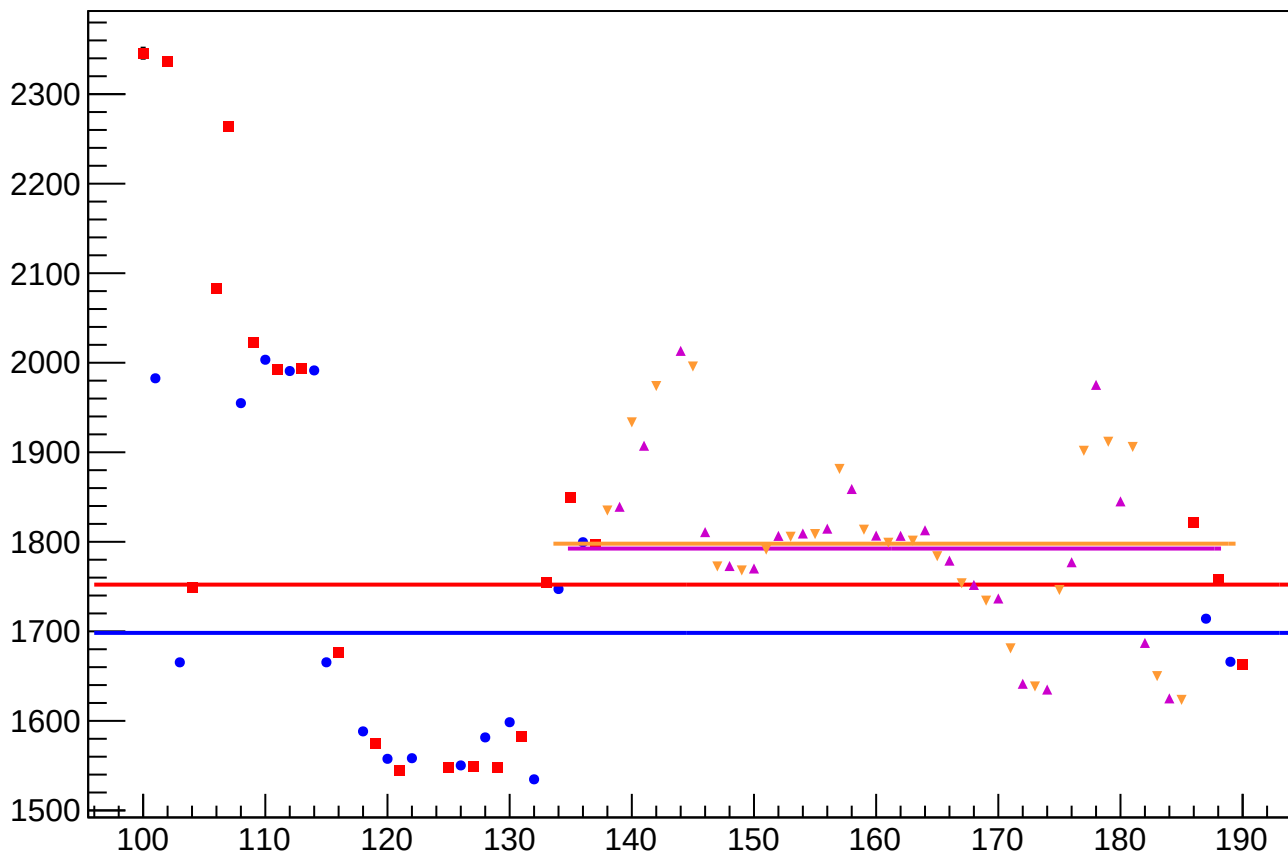
Left In: -2261.767 ± 419.177 χ^2/NDF : 30.4/22

+ sign 1009.635 ± 344.089 χ^2/NDF : 46.1/41

All: -499.665 ± 242.678 χ^2/NDF : 135.2/85

- sign -1993.438 ± 342.315 χ^2/NDF : 50.8/43

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1698.272 ± 0.428 χ^2/NDF : 135871.2/17

Left Out: 1797.911 ± 0.296 χ^2/NDF : 98005.5/23

Right Out: 1752.189 ± 0.419 χ^2/NDF : 251081.0/20

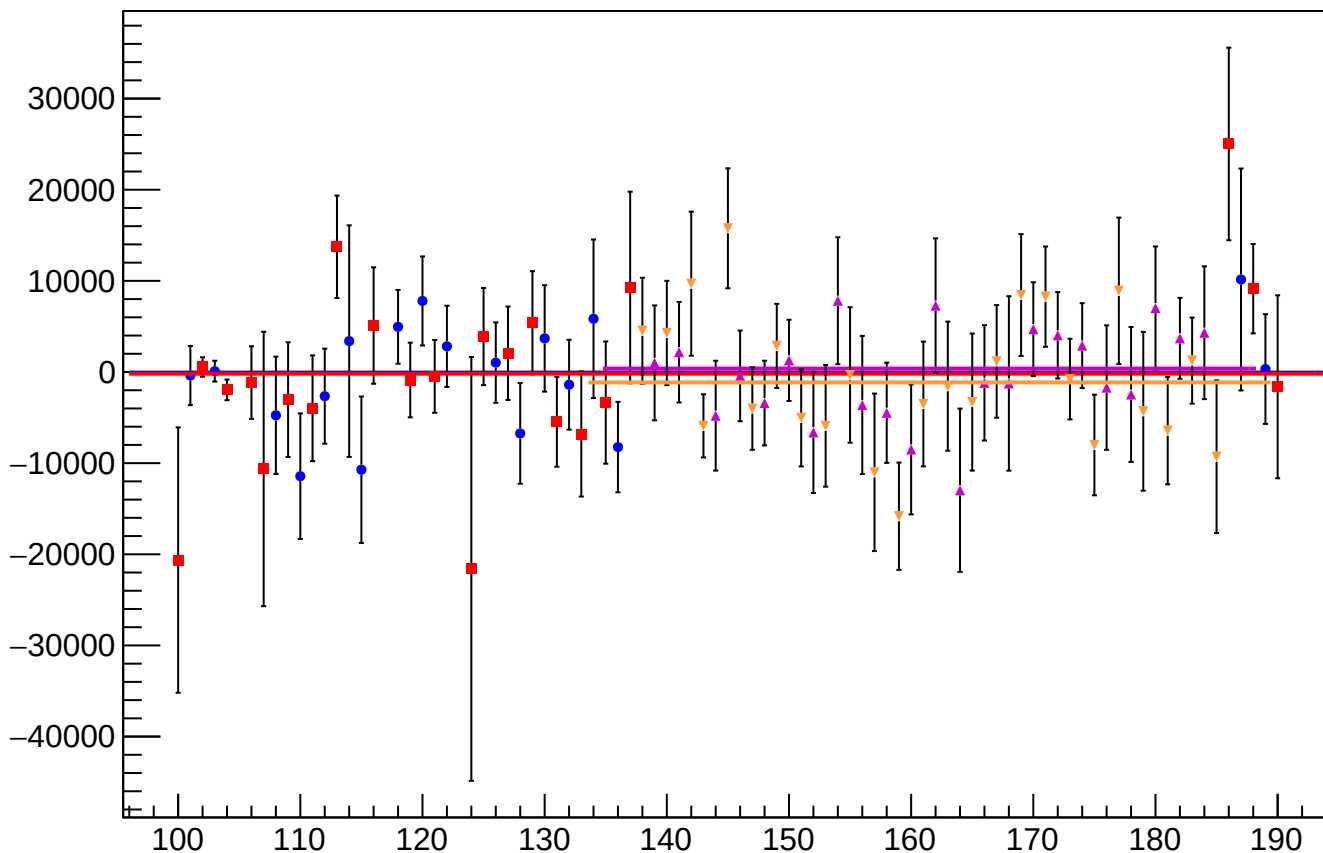
Left In: 1792.451 ± 0.296 χ^2/NDF : 92878.6/22

+ sign 1765.773 ± 0.243 χ^2/NDF : 270521.2/41

All: 1772.428 ± 0.172 χ^2/NDF : 622129.8/85

- sign 1779.007 ± 0.242 χ^2/NDF : 350120.9/43

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -65.473 ± 856.636 χ^2/NDF : 15.8/17

Left Out: -1144.411 ± 1164.460 χ^2/NDF : 32.6/24

Right Out: -183.112 ± 669.878 χ^2/NDF : 28.0/21

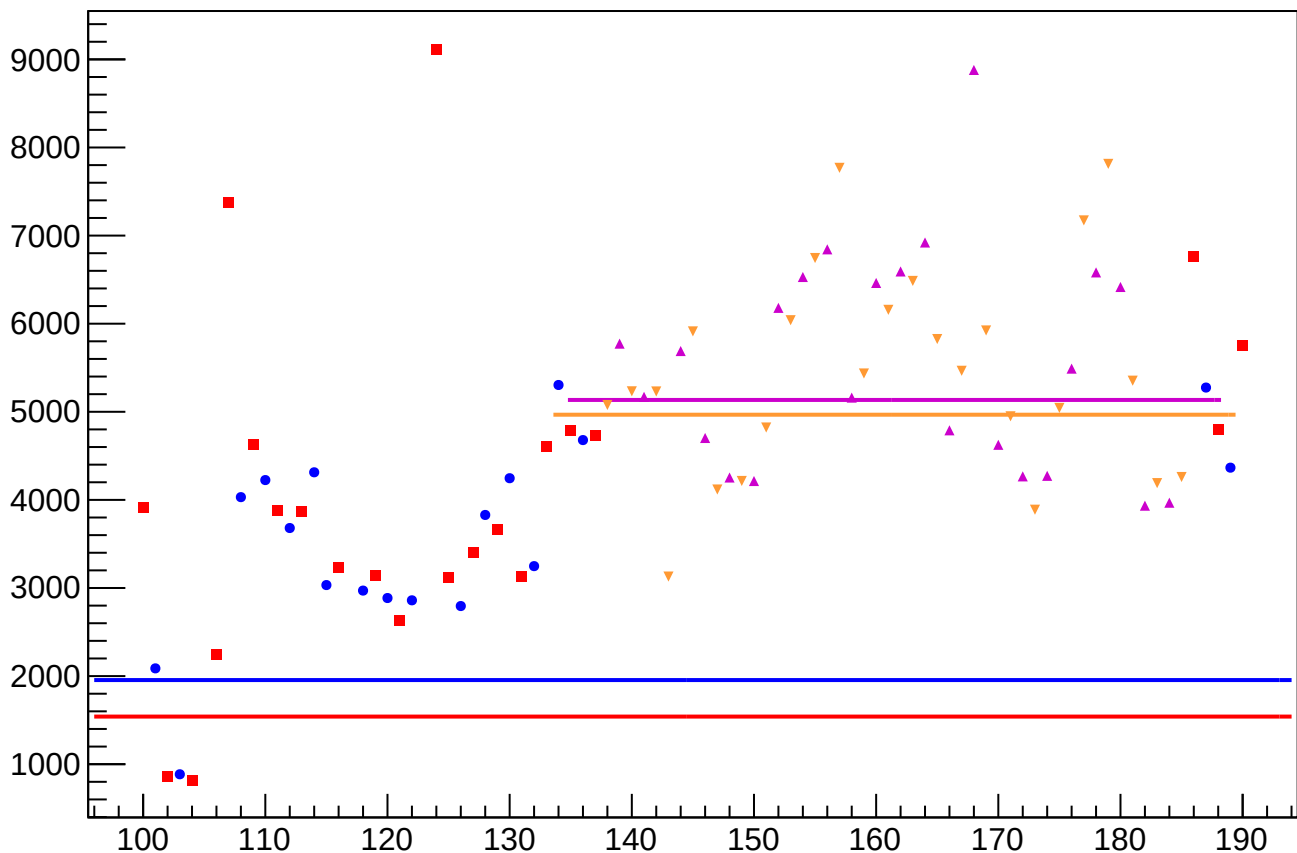
Left In: 374.928 ± 1228.701 χ^2/NDF : 13.3/22

+ sign -444.340 ± 690.032 χ^2/NDF : 48.9/42

All: -218.975 ± 447.614 χ^2/NDF : 90.5/87

- sign -55.249 ± 588.148 χ^2/NDF : 41.4/44

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1954.933+/-0.606 χ^2/NDF : 4907190.1/17

Left Out: 4966.886+/-0.823 χ^2/NDF : 1917943.9/24

Right Out: 1540.489+/-0.474 χ^2/NDF : 7736379.1/21

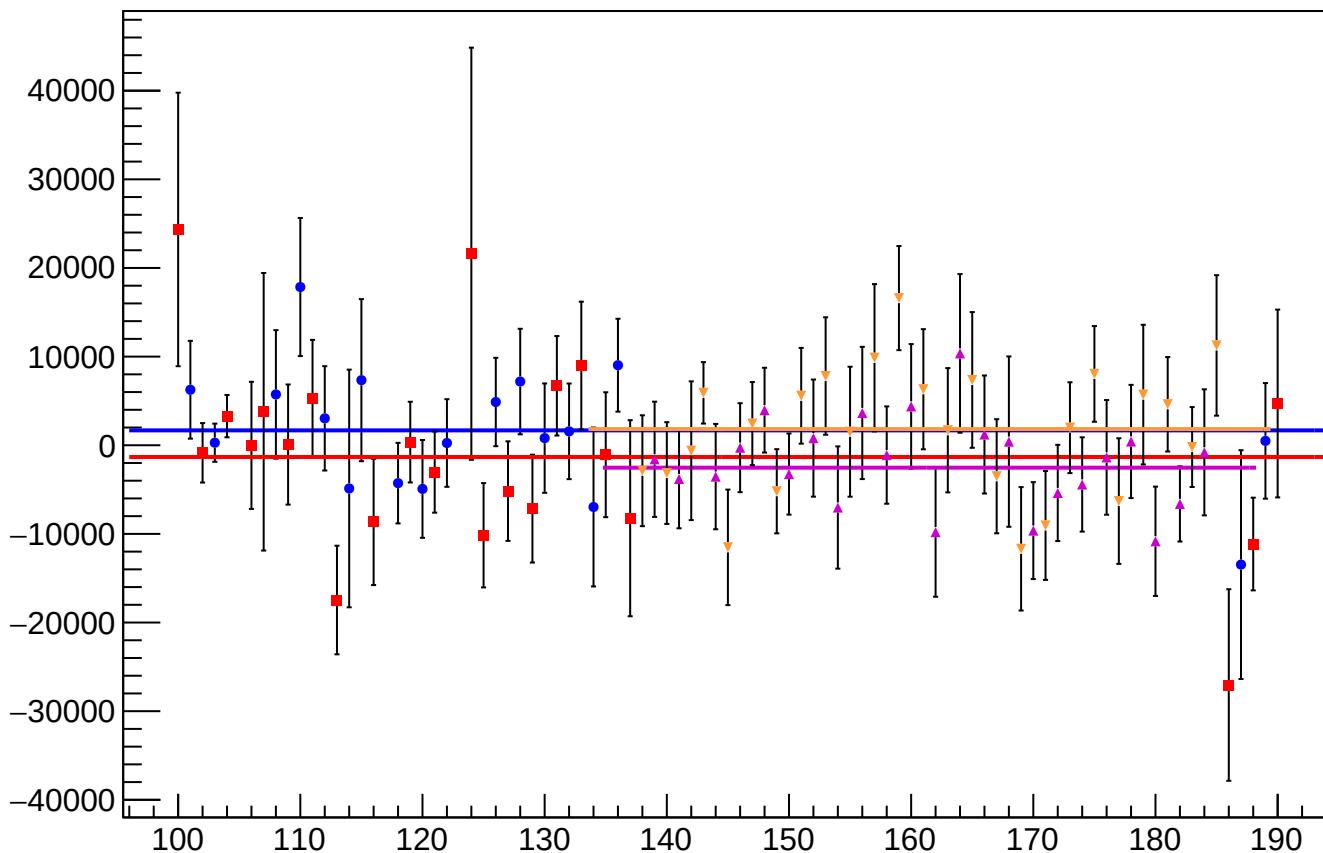
Left In: 5134.453+/-0.869 χ^2/NDF : 1487077.8/22

+ sign 3012.572+/-0.488 χ^2/NDF : 15507207.1/42

All: 2636.897+/-0.317 χ^2/NDF : 38944809.8/8

- sign 2363.970+/-0.416 χ^2/NDF : 22414116.9/44

asym_atl_avg_mean vs Slug



Right In: 1678.338+/-1230.718 χ^2/NDF : 15.2/17

Left Out: 1826.201+/-1172.478 χ^2/NDF : 31.1/24

Right Out: -1322.939+/-1192.821 χ^2/NDF : 34.6/21

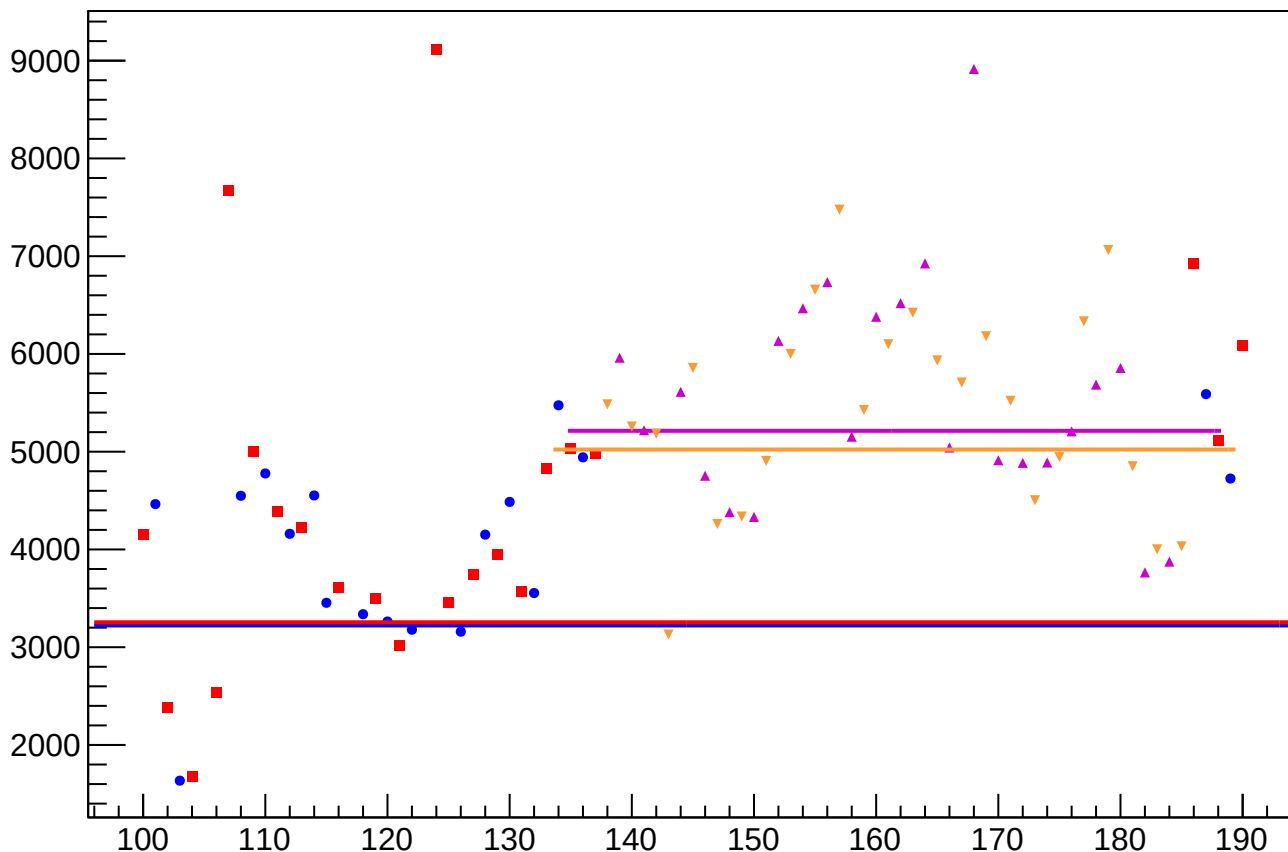
Left In: -2529.501+/-1242.040 χ^2/NDF : 13.2/22

+ sign 1755.851+/-848.910 χ^2/NDF : 46.3/42

All: -48.566+/-604.266 χ^2/NDF : 103.8/87

- sign -1901.840+/-860.326 χ^2/NDF : 48.3/44

asym_atl_avg_rms vs Slug



Right In: 3222.681+/-0.870 χ^2/NDF : 2064338.5/17

Left Out: 5022.407+/-0.829 χ^2/NDF :1676611.8/24

Right Out: 3255.320+/-0.831 χ^2/NDF : 2554533.4/21

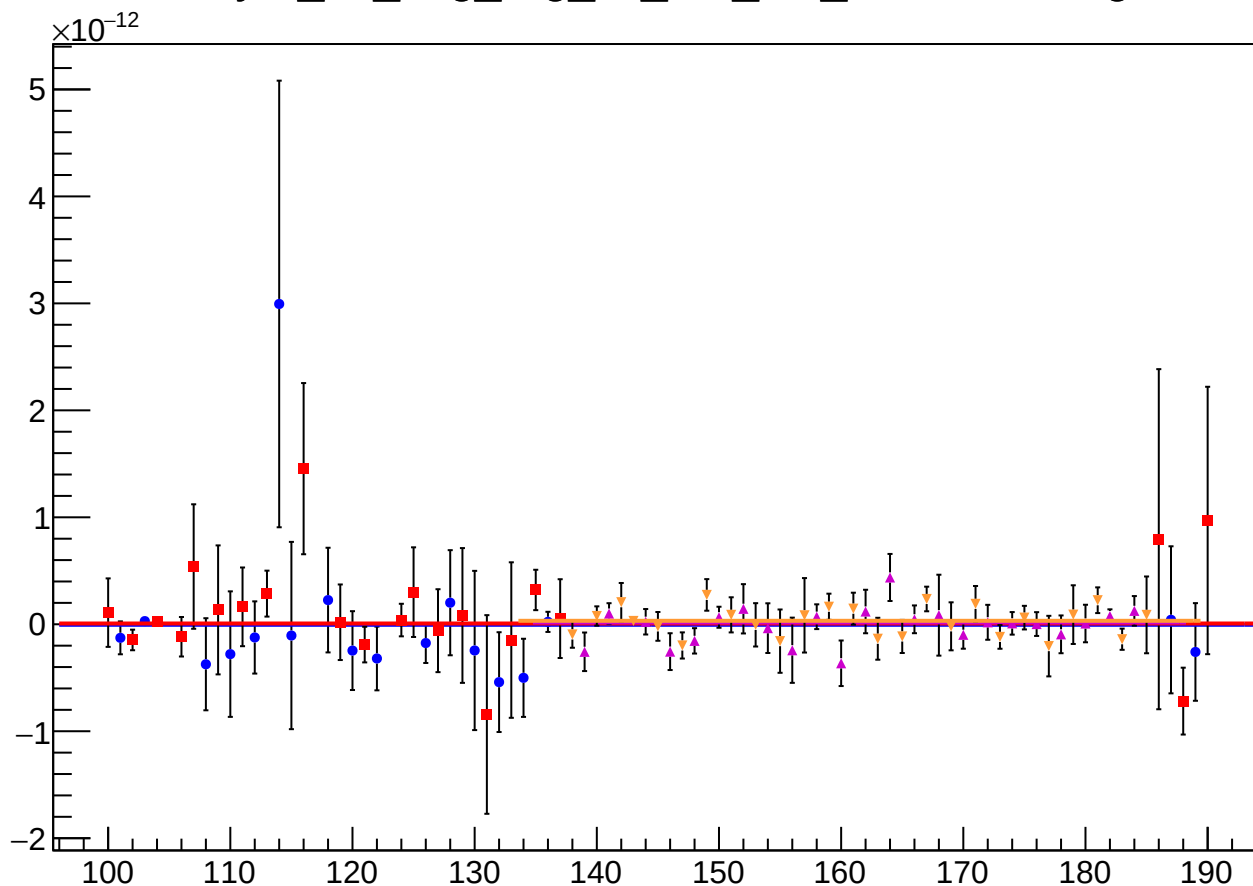
Left In: 5213.625+/-0.878 χ^2/NDF :1223192.9/22

+ sign 4166.132+/-0.600 χ^2/NDF : 5982974.7/42

All: 4173.386+/-0.426 χ^2/NDF : 12383386.8/8

- sign 4180.725+/-0.604 χ^2/NDF : 6400118.4/44

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.0/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.2/21

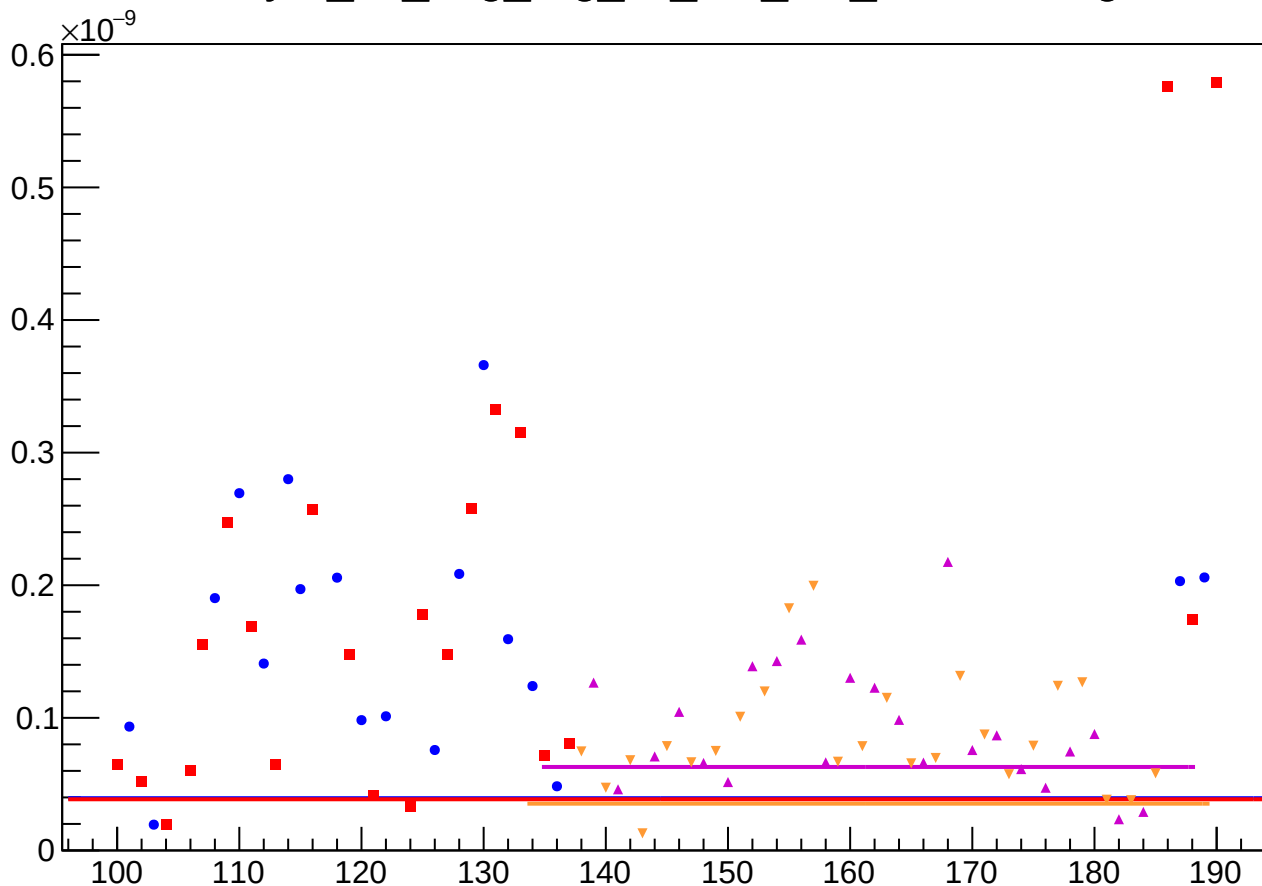
Left In: 0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 36.9/42

All: 0.000 ± 0.000 χ^2/NDF : 77.4/87

- sign 0.000 ± 0.000 χ^2/NDF : 40.4/44

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3270945.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6511119.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3668477.5/21

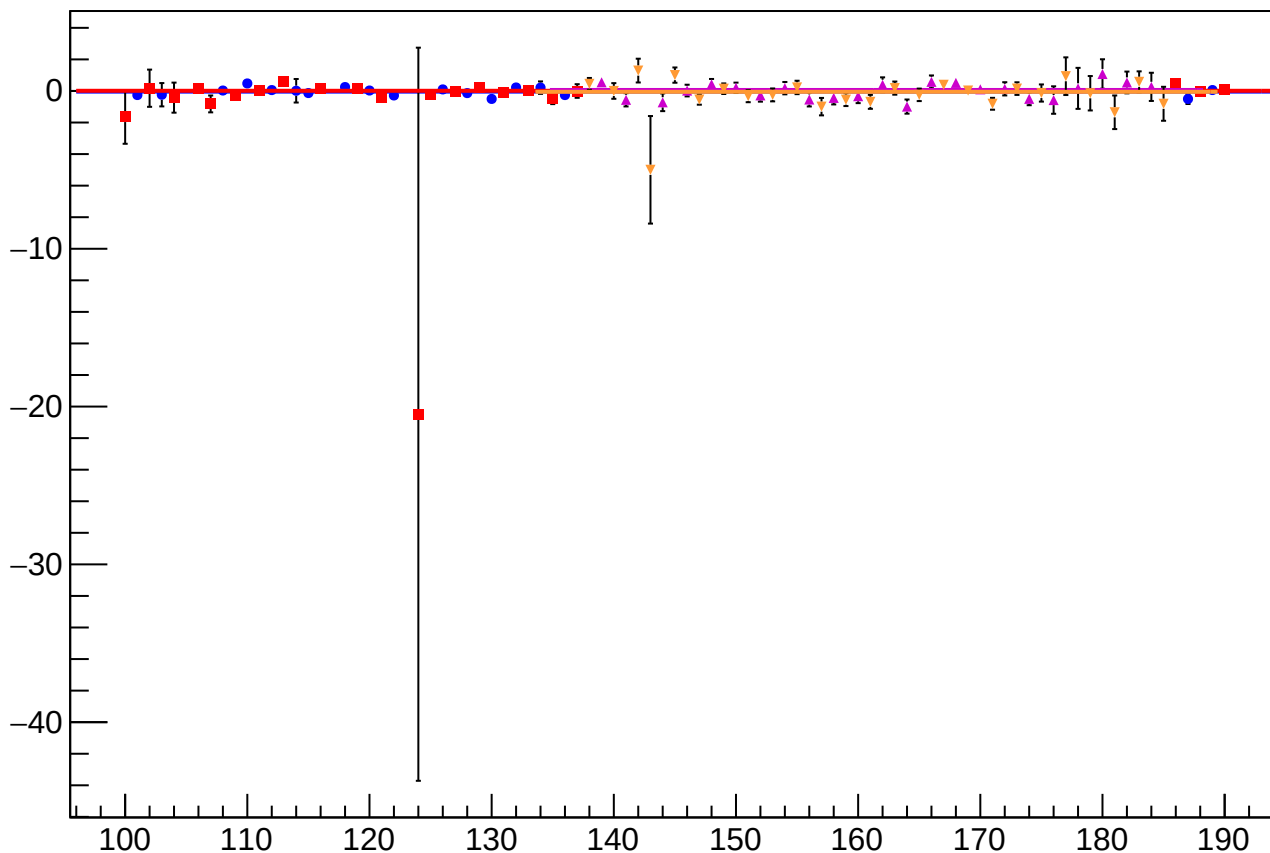
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2934305.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9805068.0/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 17837266.9/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7258789.8/44

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.039 ± 0.056 χ^2/NDF : 19.5/17

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: 0.011 ± 0.045 χ^2/NDF : 26.7/21

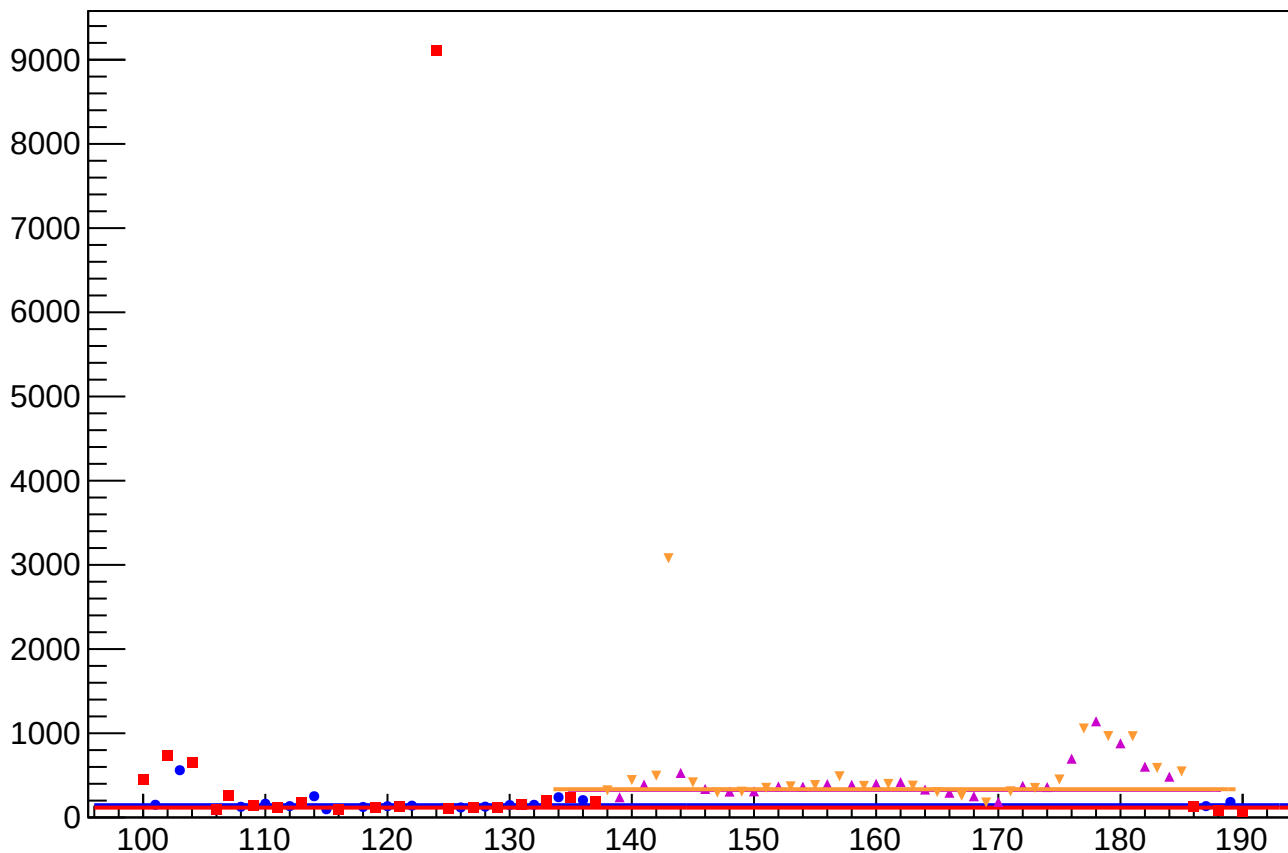
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.044 ± 0.047 χ^2/NDF : 52.6/42

All: -0.005 ± 0.030 χ^2/NDF : 108.8/87

- sign 0.023 ± 0.040 χ^2/NDF : 55.0/44

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 145.601 $\pm$ 0.039 χ^2/NDF : 1170029.5/17

Left Out: 335.166 $\pm$ 0.060 χ^2/NDF : 5852083.8/24

Right Out: 117.012 $\pm$ 0.032 χ^2/NDF : 2789549.2/21

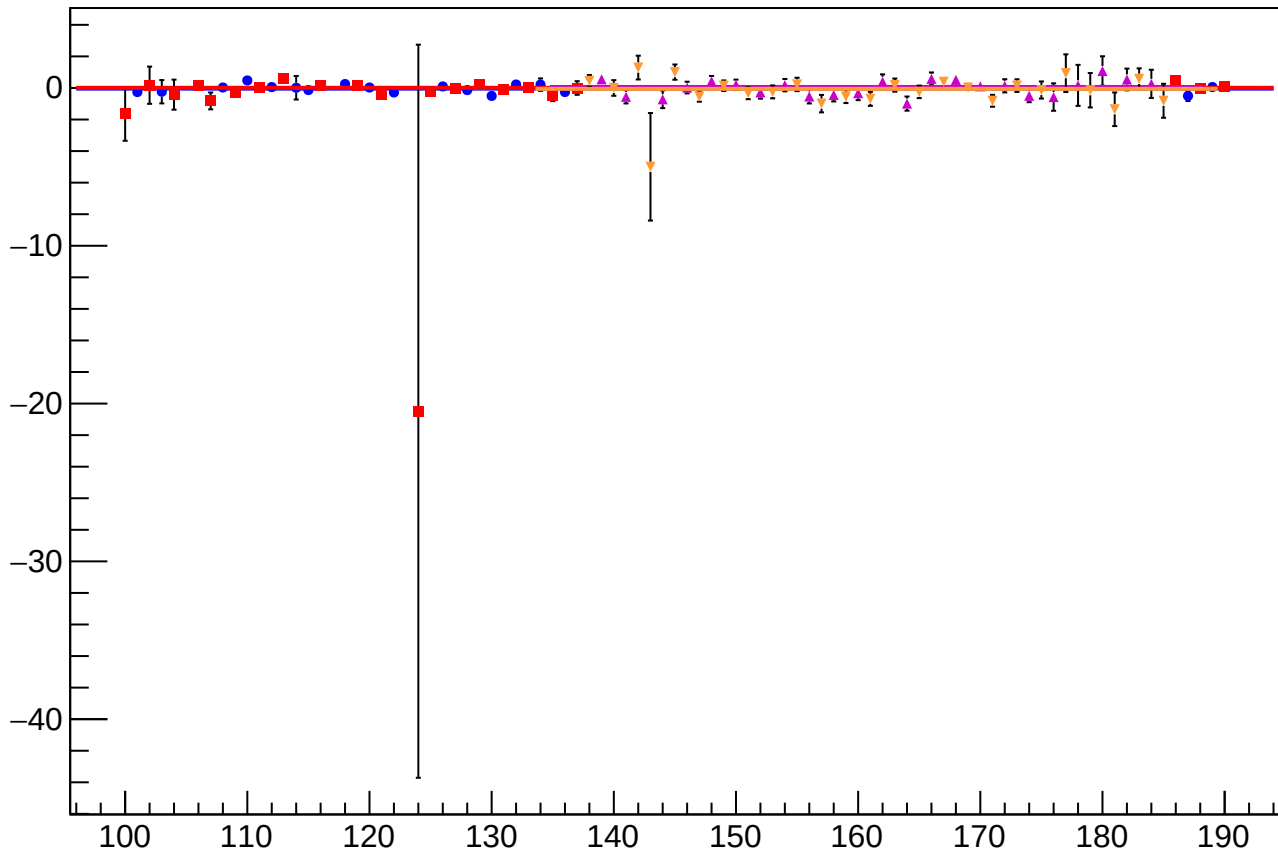
Left In: 327.572 $\pm$ 0.059 χ^2/NDF : 4153081.9/22

+ sign 202.975 $\pm$ 0.033 χ^2/NDF : 14022905.5/42

All: 181.141 $\pm$ 0.021 χ^2/NDF : 31705807.6/87

- sign 165.316 $\pm$ 0.028 χ^2/NDF : 16923923.4/44

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.039 ± 0.056 χ^2/NDF : 19.5/17

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: 0.011 ± 0.045 χ^2/NDF : 26.7/21

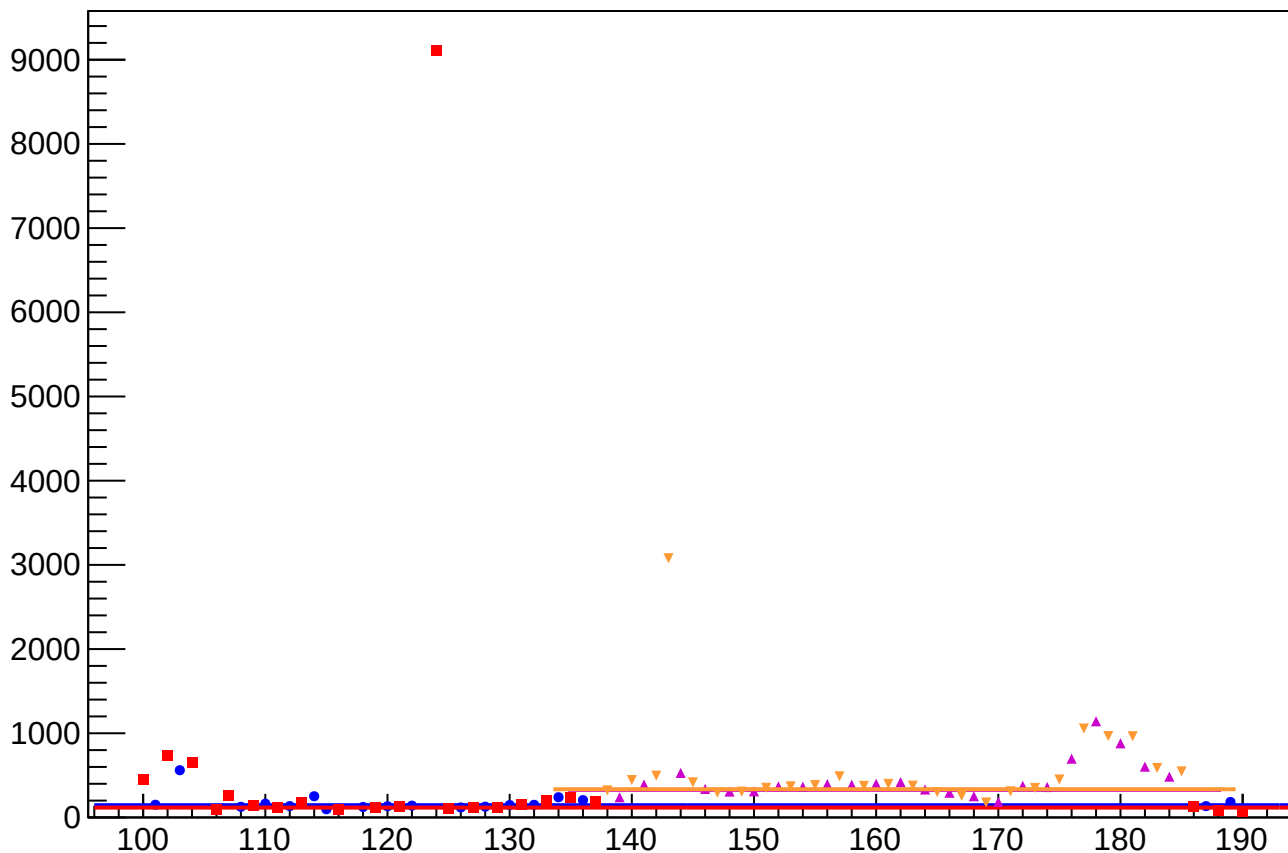
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.044 ± 0.047 χ^2/NDF : 52.6/42

All: -0.005 ± 0.030 χ^2/NDF : 108.8/87

- sign 0.023 ± 0.040 χ^2/NDF : 55.0/44

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.601 $\pm$ 0.039 χ^2 /NDF: 1170029.5/17

Left Out: 335.166 $\pm$ 0.060 χ^2 /NDF: 5852083.8/24

Right Out: 117.012 $\pm$ 0.032 χ^2 /NDF: 2789549.2/21

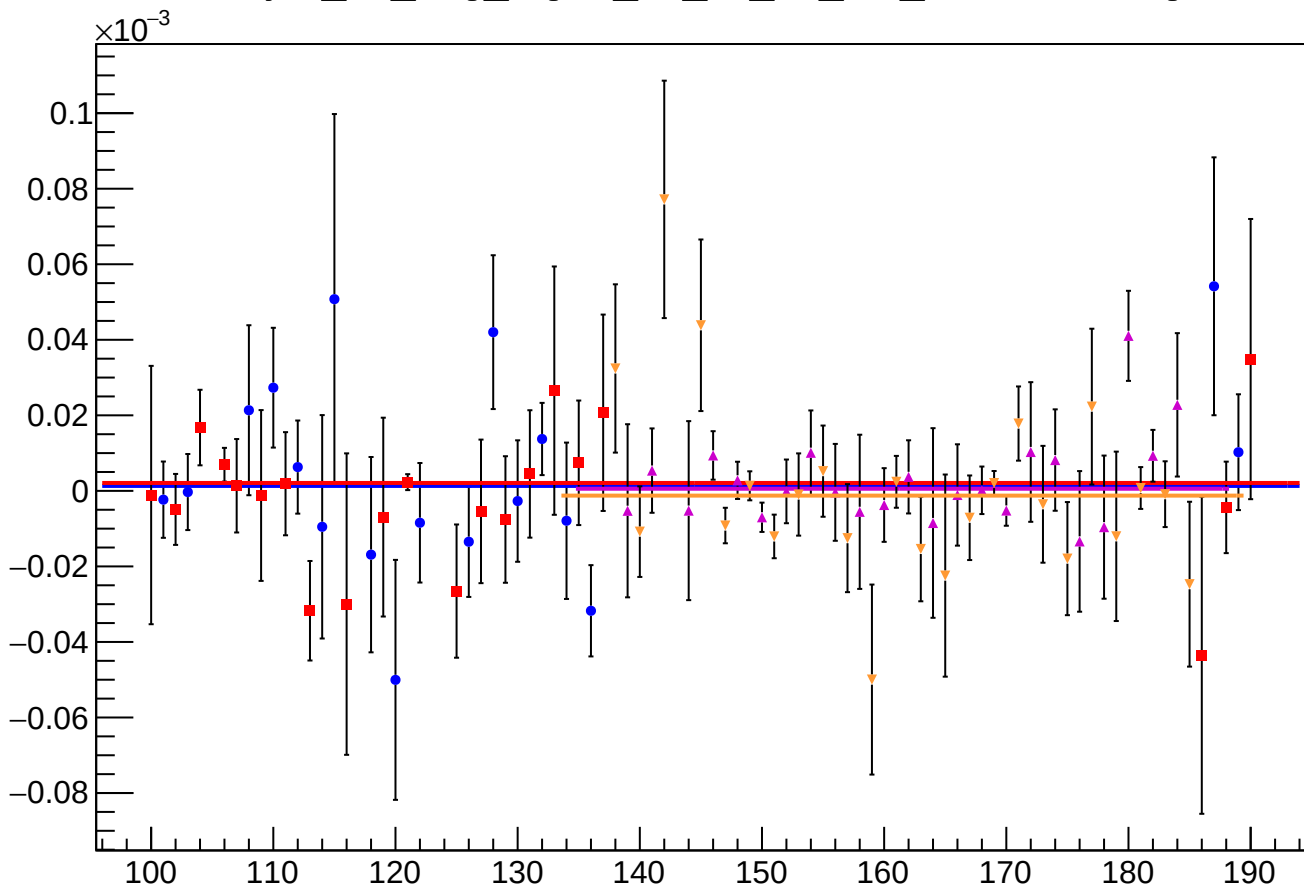
Left In: 327.572 $\pm$ 0.059 χ^2 /NDF: 4153081.9/22

+ sign 202.975 $\pm$ 0.033 χ^2 /NDF: 14022905.5/42

All: 181.141 $\pm$ 0.021 χ^2 /NDF: 31705807.6/87

- sign 165.316 $\pm$ 0.028 χ^2 /NDF: 16923923.4/44

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.6/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:35.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/20

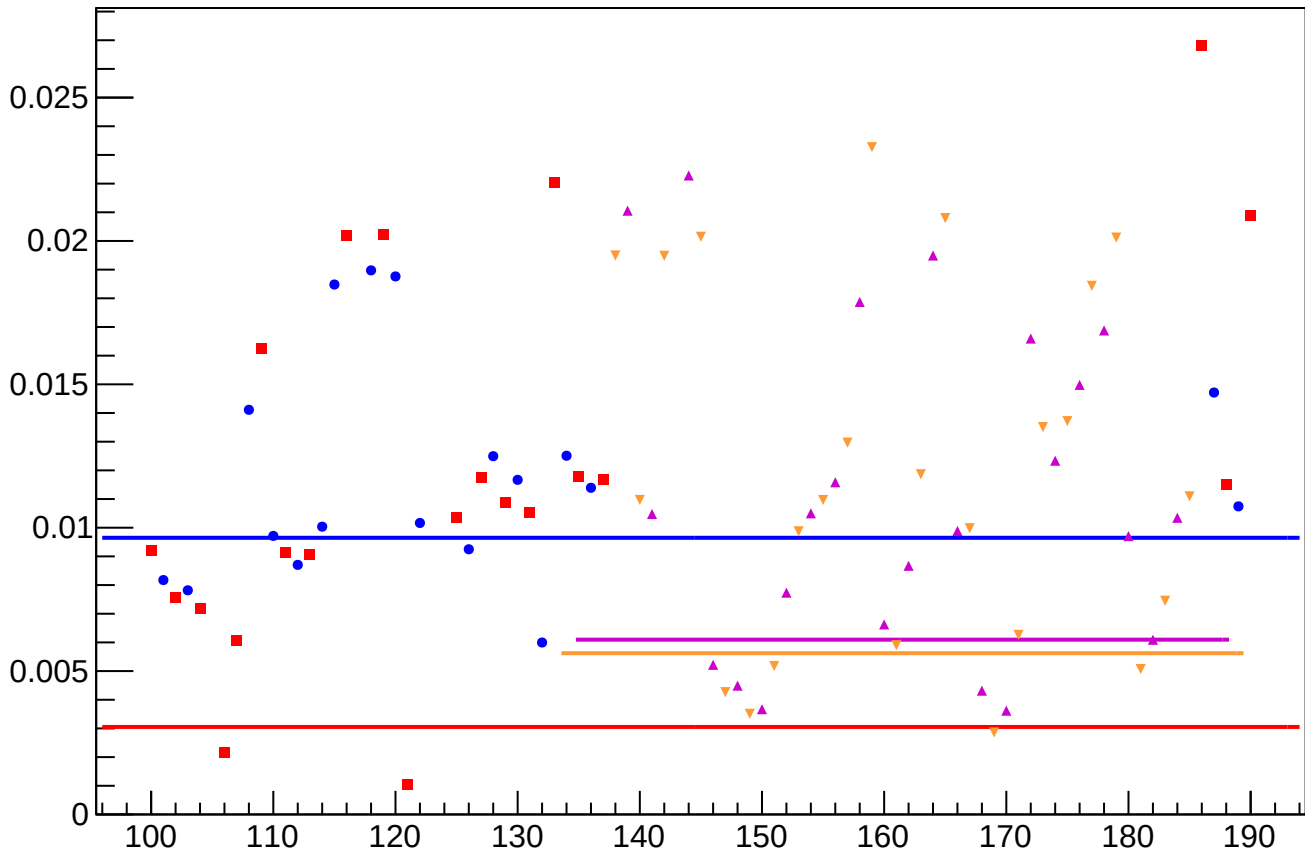
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:25.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 61.8/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 106.8/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 43.7/43

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189464.0/17

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:11183743.0/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10687556.4/20

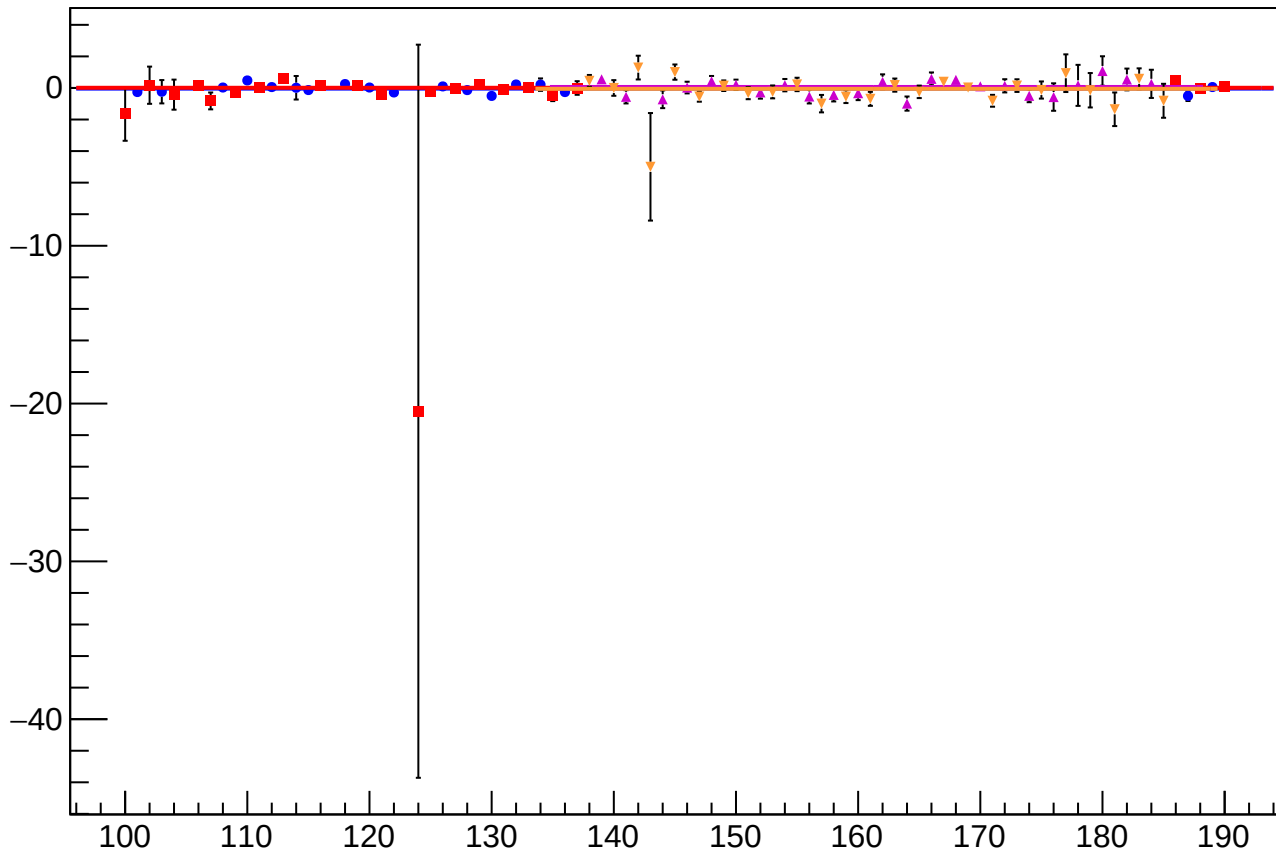
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:8798992.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 14437248.2/41

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 38748303.8/85

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 22639103.3/43

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.039 ± 0.056 χ^2/NDF : 19.5/17

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: 0.011 ± 0.045 χ^2/NDF : 26.7/21

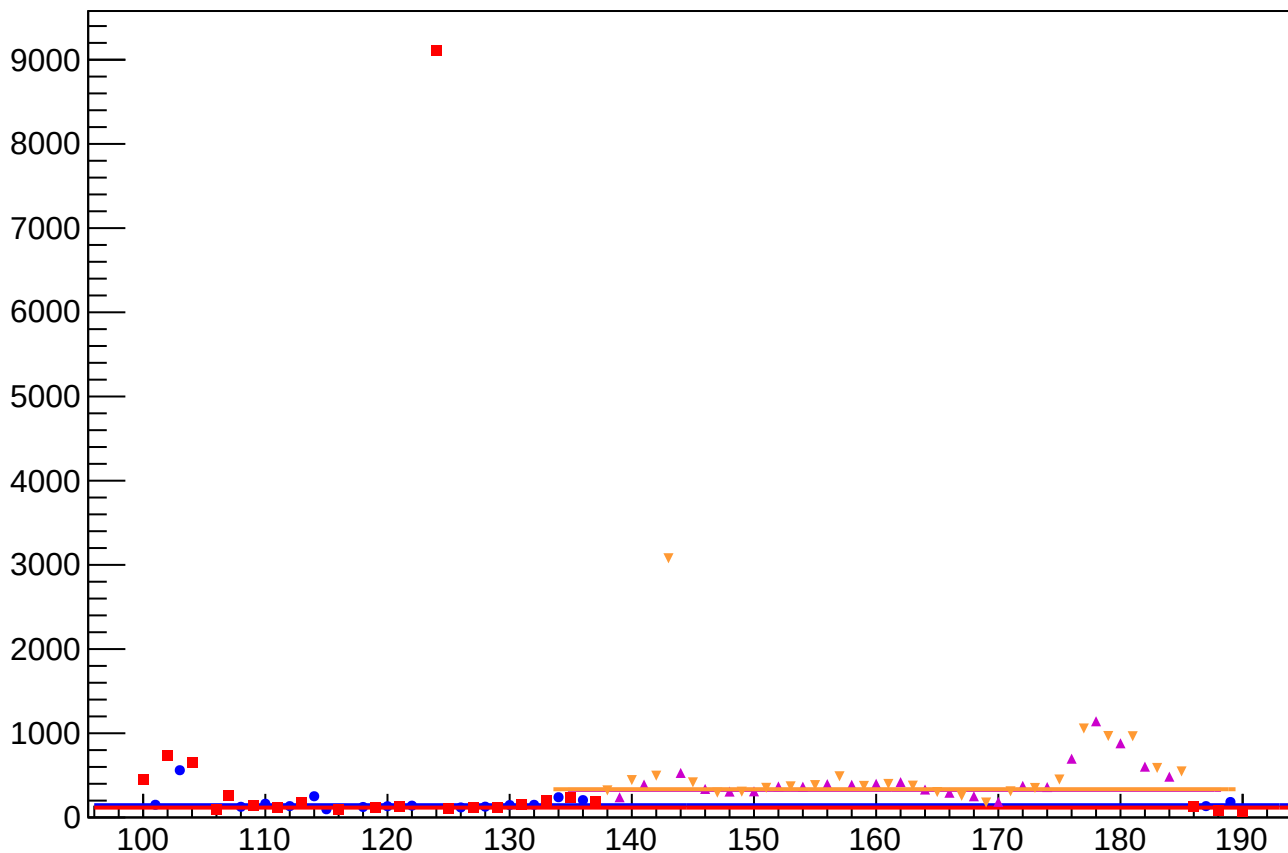
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.044 ± 0.047 χ^2/NDF : 52.6/42

All: -0.005 ± 0.030 χ^2/NDF : 108.8/87

- sign 0.023 ± 0.040 χ^2/NDF : 55.0/44

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 145.600 $\pm$ 0.039 χ^2 /NDF: 1170064.4/17

Left Out: 335.168 $\pm$ 0.060 χ^2 /NDF: 5852151.8/24

Right Out: 117.009 $\pm$ 0.032 χ^2 /NDF: 2789509.0/21

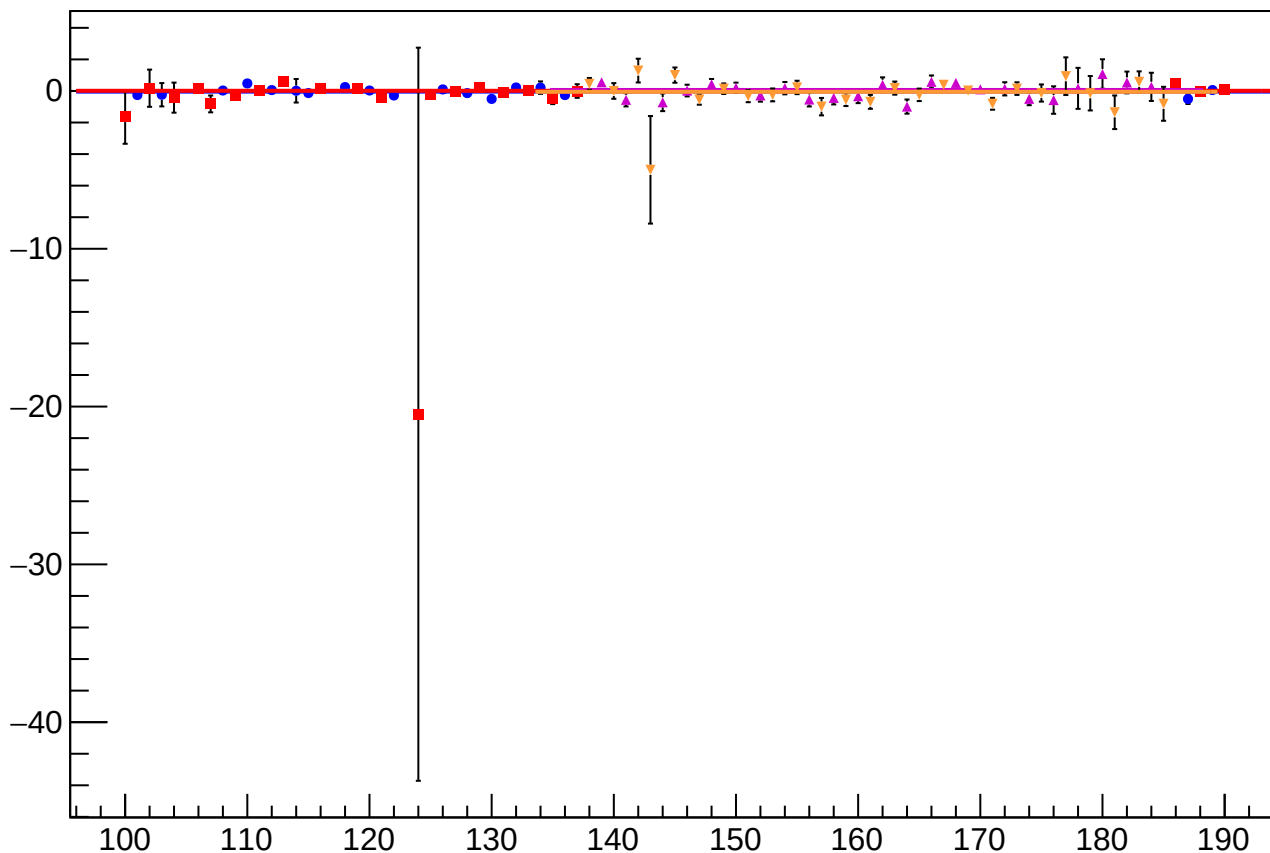
Left In: 327.575 $\pm$ 0.059 χ^2 /NDF: 4153087.6/22

+ sign 202.974 $\pm$ 0.033 χ^2 /NDF: 14023193.0/42

All: 181.139 $\pm$ 0.021 χ^2 /NDF: 31706556.8/87

- sign 165.313 $\pm$ 0.028 χ^2 /NDF: 16924304.3/44

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.039 ± 0.056 χ^2/NDF : 19.5/17

Left Out: -0.054 ± 0.085 χ^2/NDF : 33.1/24

Right Out: 0.011 ± 0.045 χ^2/NDF : 26.7/21

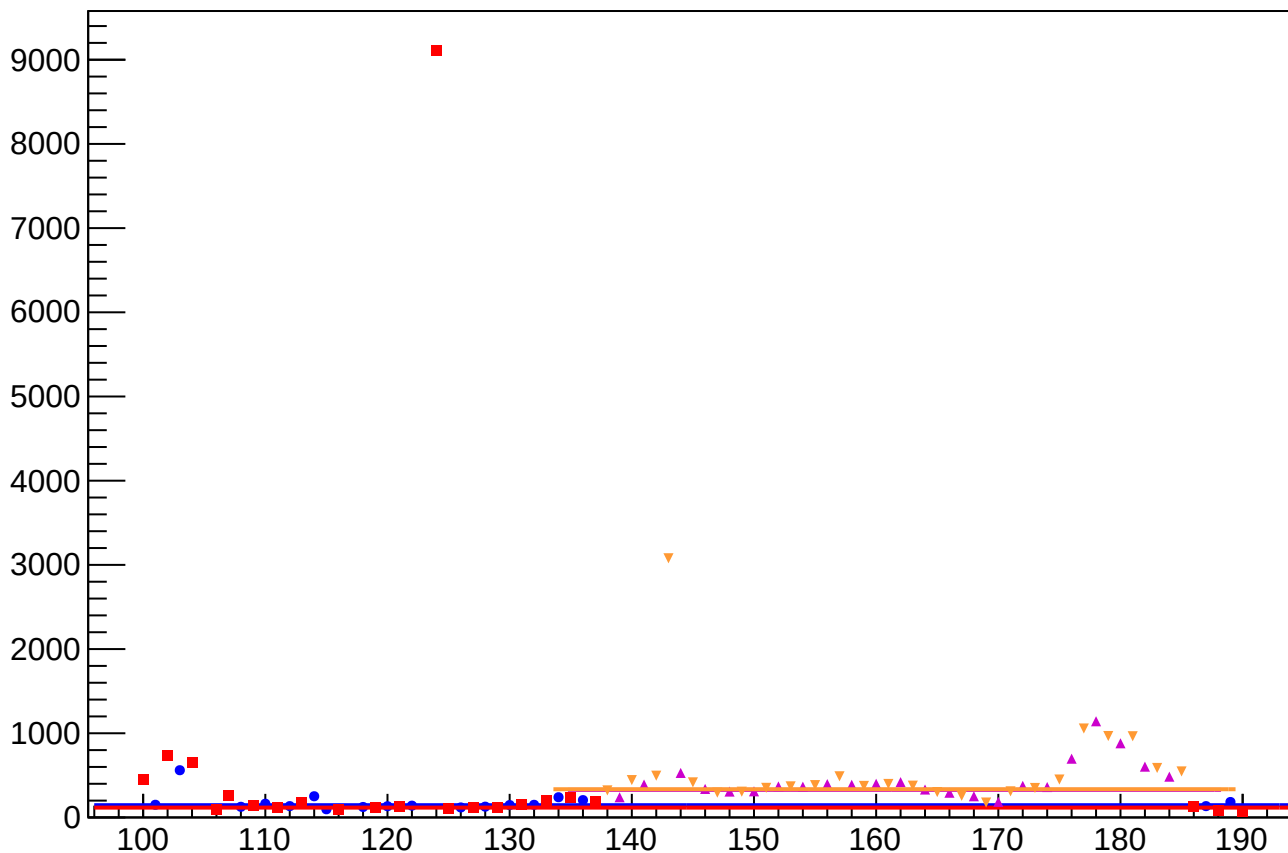
Left In: 0.063 ± 0.083 χ^2/NDF : 28.0/22

+ sign -0.044 ± 0.047 χ^2/NDF : 52.6/42

All: -0.005 ± 0.030 χ^2/NDF : 108.8/87

- sign 0.023 ± 0.040 χ^2/NDF : 55.0/44

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.600 $\pm$ 0.039 χ^2 /NDF: 1170064.4/17

Left Out: 335.168 $\pm$ 0.060 χ^2 /NDF: 5852151.8/24

Right Out: 117.009 $\pm$ 0.032 χ^2 /NDF: 2789509.0/21

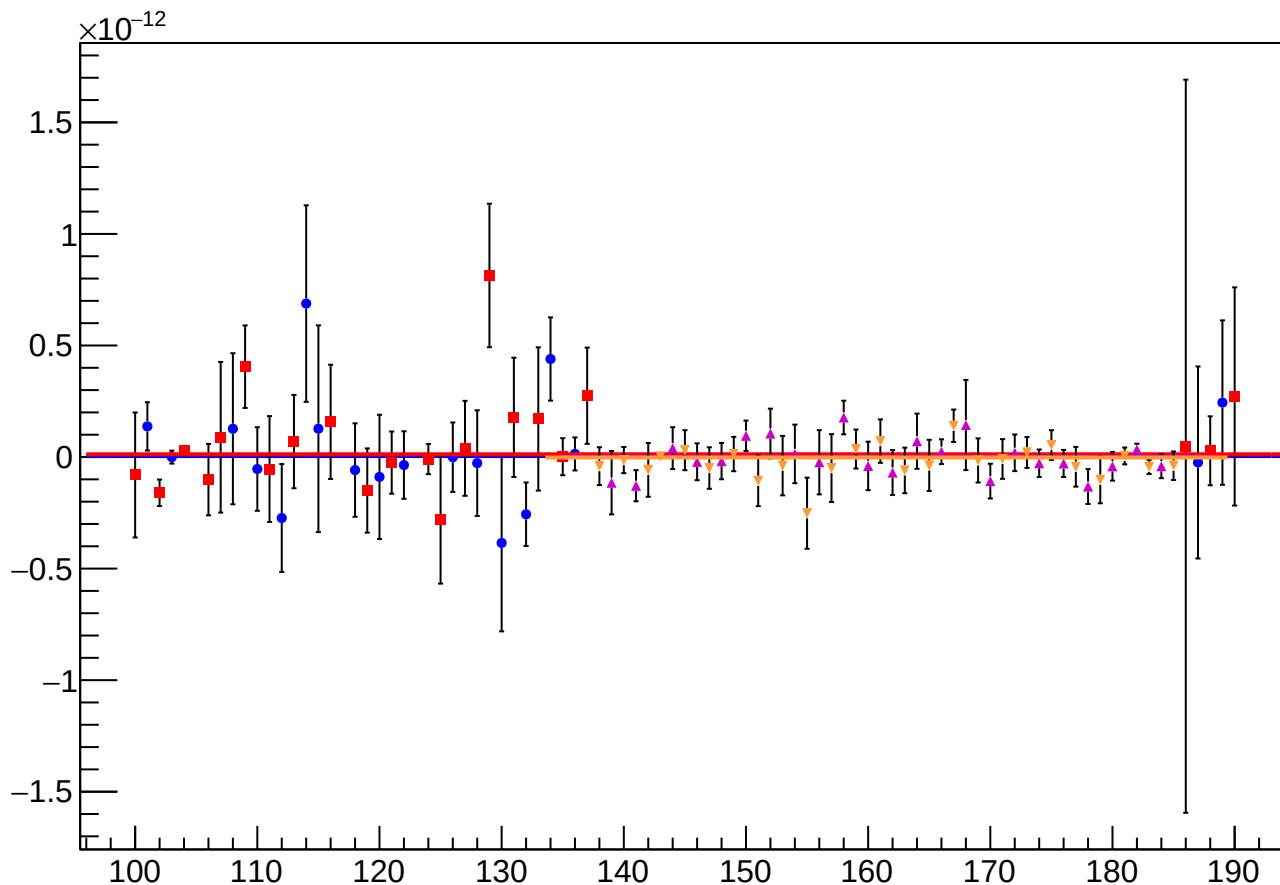
Left In: 327.575 $\pm$ 0.059 χ^2 /NDF: 4153087.6/22

+ sign 202.974 $\pm$ 0.033 χ^2 /NDF: 14023193.0/42

All: 181.139 $\pm$ 0.021 χ^2 /NDF: 31706556.8/87

- sign 165.313 $\pm$ 0.028 χ^2 /NDF: 16924304.3/44

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.1/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:13.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.4/21

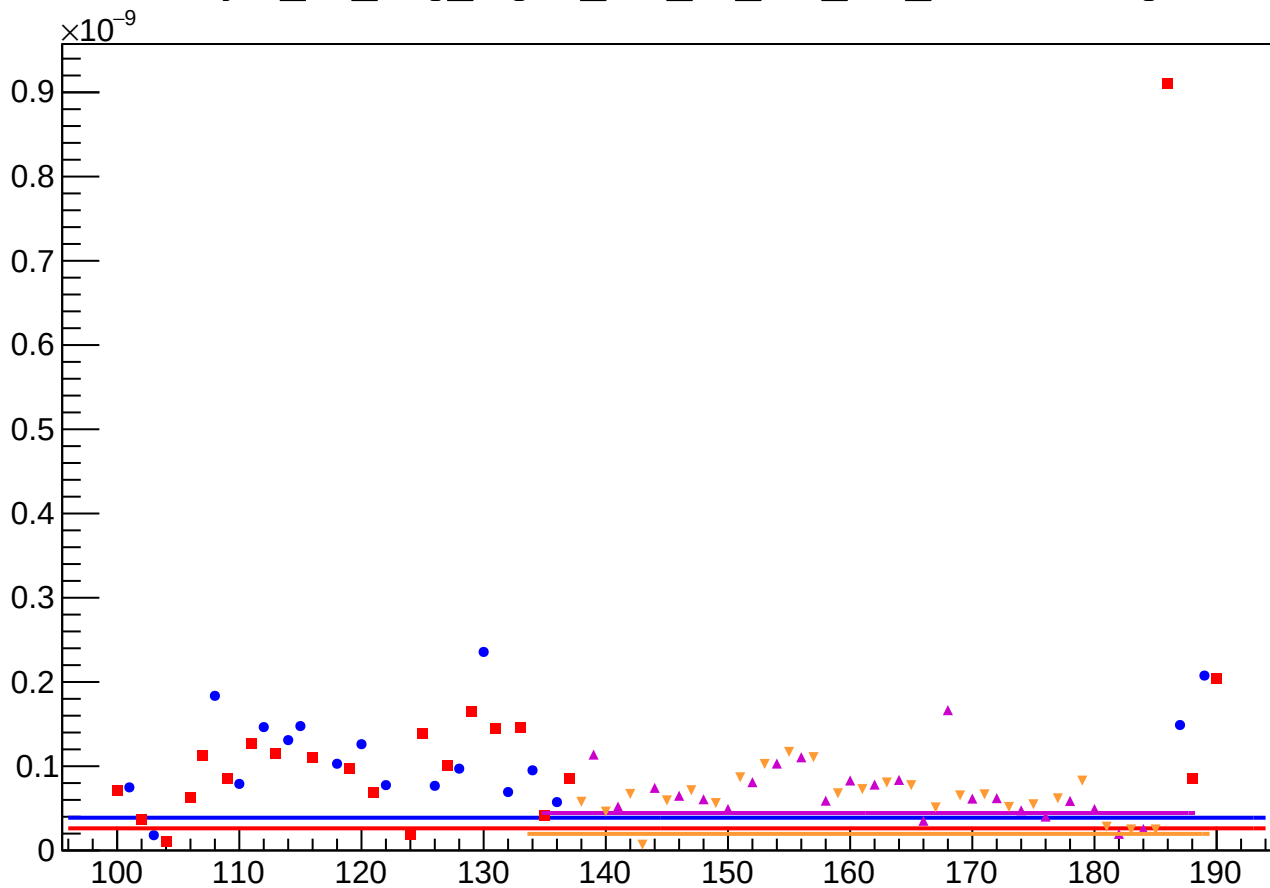
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:22.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 29.7/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.1/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.1/44

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4497003.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:14888228.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5841716.2/21

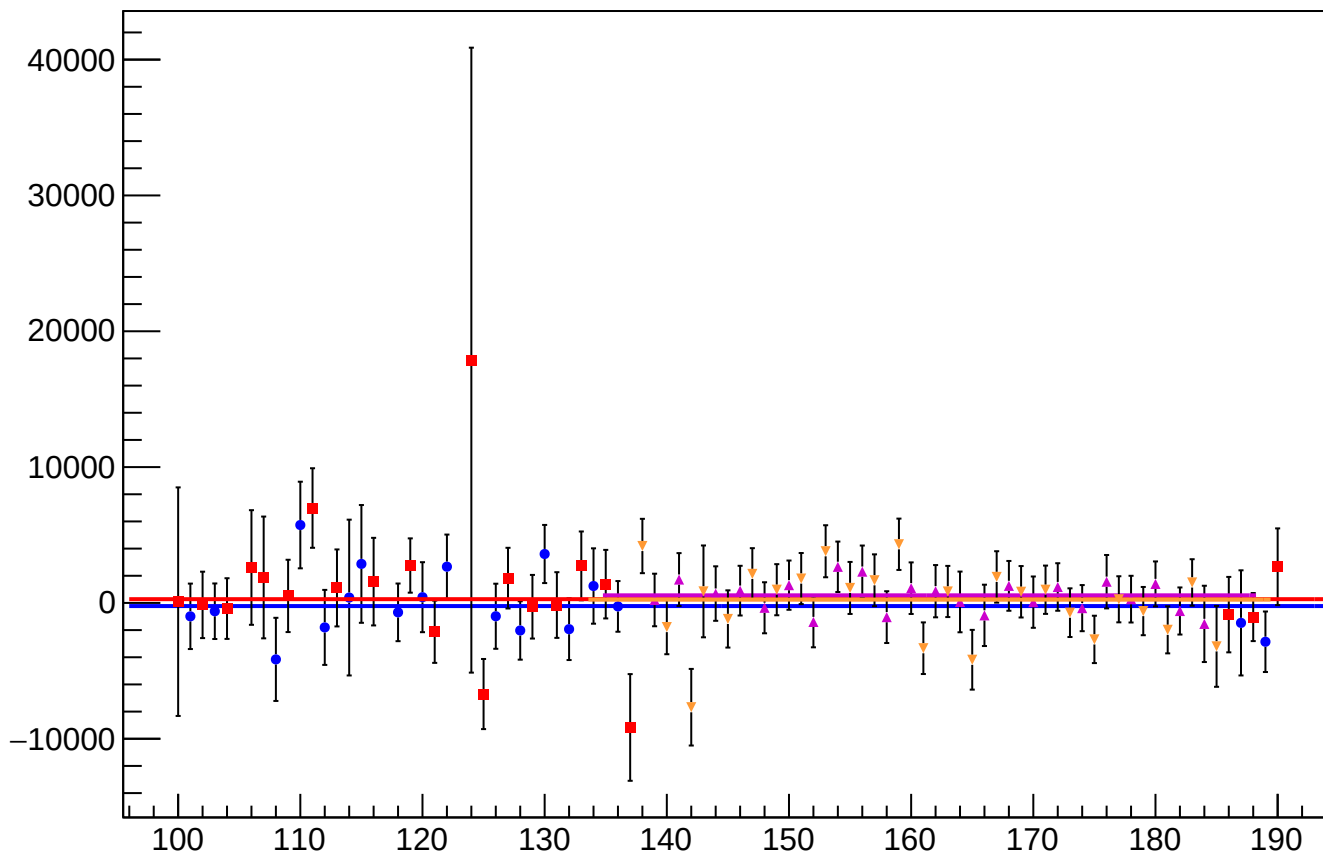
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:5919814.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20537131.3/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 36232855.1/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12992980.7/44

reg_asym_atl_dd_mean vs Slug



Right In: -230.850 ± 590.235 χ^2/NDF : 14.1/17

Left Out: 248.233 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 276.766 ± 571.217 χ^2/NDF : 25.5/21

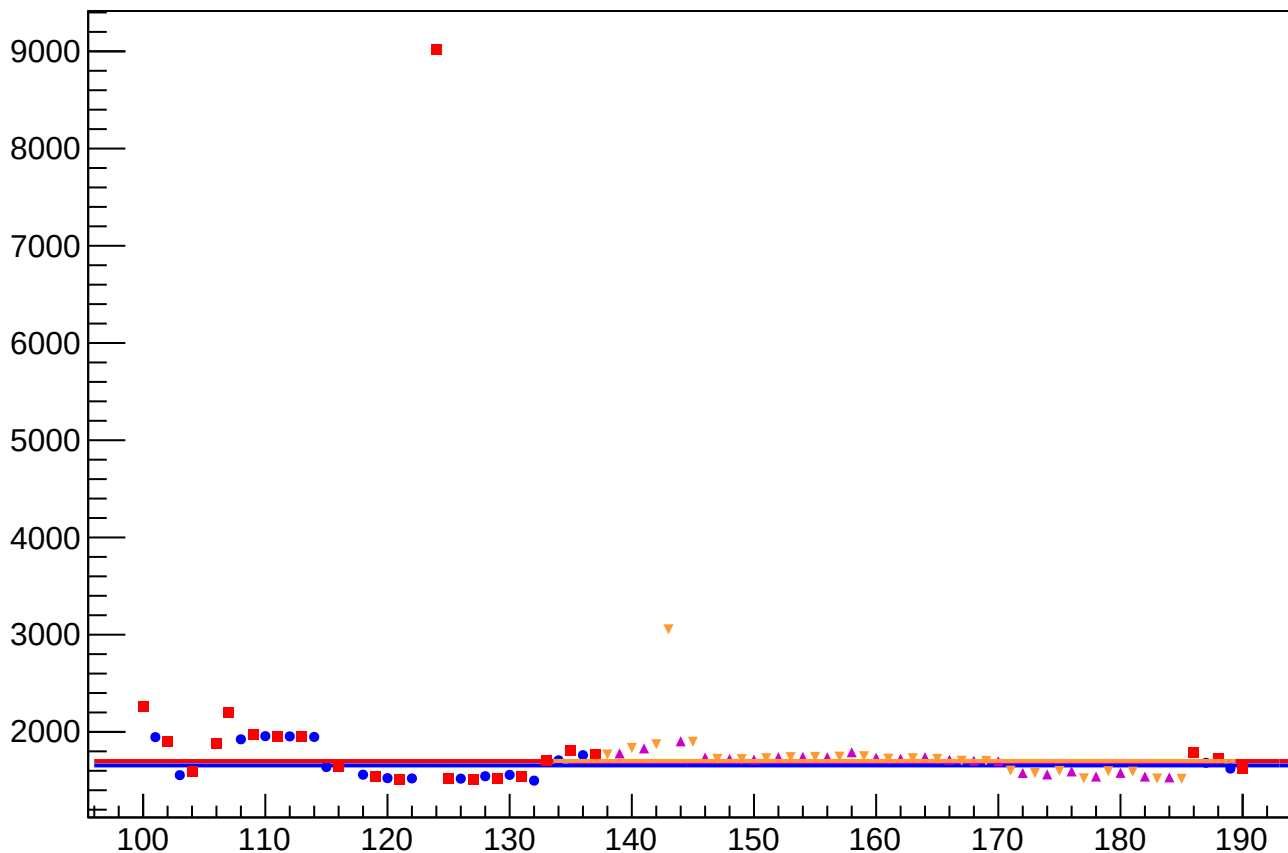
Left In: 559.995 ± 395.112 χ^2/NDF : 7.5/22

+ sign 103.245 ± 324.703 χ^2/NDF : 54.1/42

All: 285.652 ± 229.687 χ^2/NDF : 88.0/87

- sign 468.337 ± 324.950 χ^2/NDF : 33.2/44

reg_asym_atl_dd_rms vs Slug



Right In: 1655.312 $\pm$ 0.417 χ^2 /NDF: 144512.2/17

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.1/24

Right Out: 1700.347 $\pm$ 0.402 χ^2 /NDF: 390270.3/21

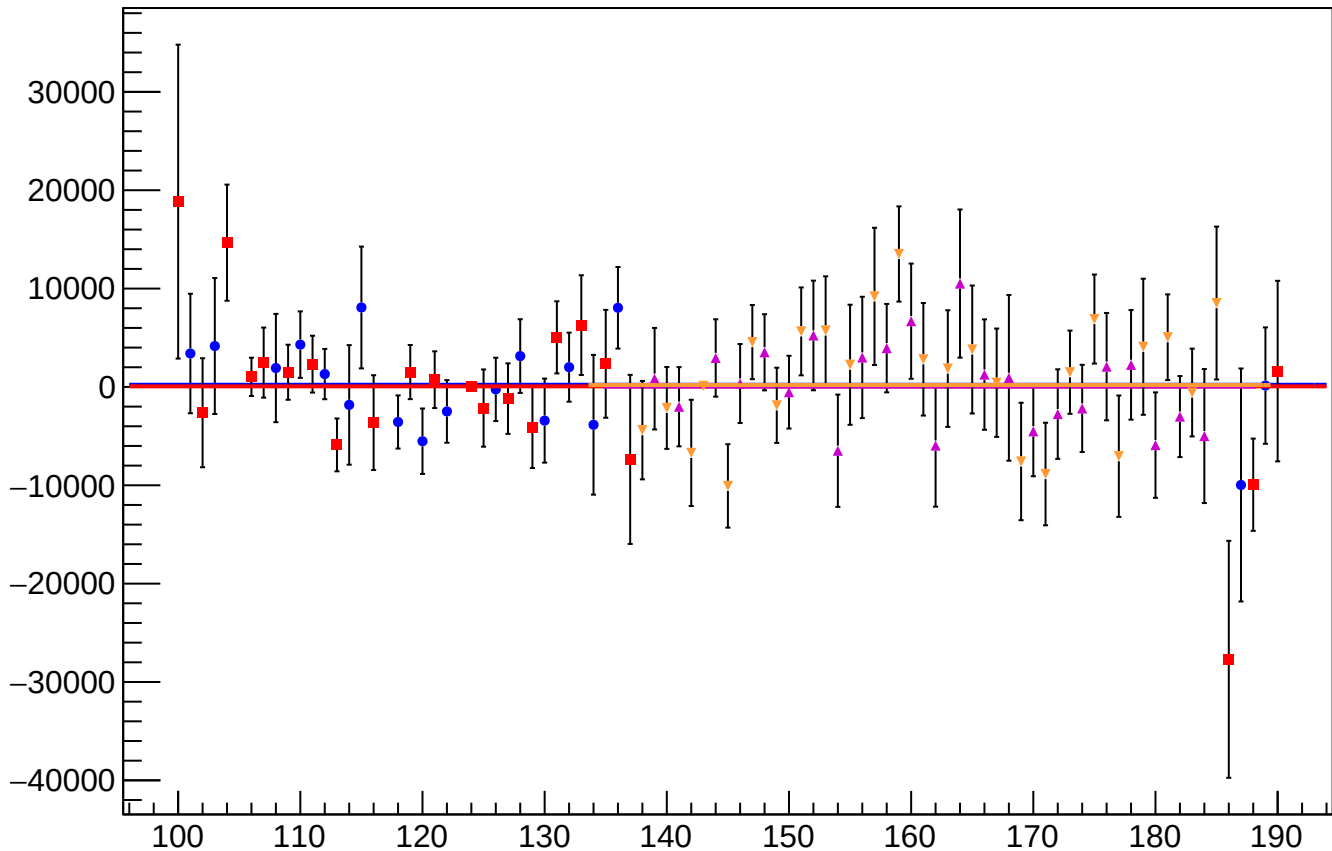
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1687.580 $\pm$ 0.230 χ^2 /NDF: 605462.5/42

All: 1690.224 $\pm$ 0.162 χ^2 /NDF: 1118828.2/87

- sign 1692.866 $\pm$ 0.229 χ^2 /NDF: 513100.6/44

asym_atl_dd_reg_correction_mean vs Slug



Right In: 219.970 $\pm$ 945.613 χ^2 /NDF: 16.0/17

Left Out: 193.503 $\pm$ 343.131 χ^2 /NDF:33.9/24

Right Out: 59.821 $\pm$ 322.631 χ^2 /NDF: 30.8/21

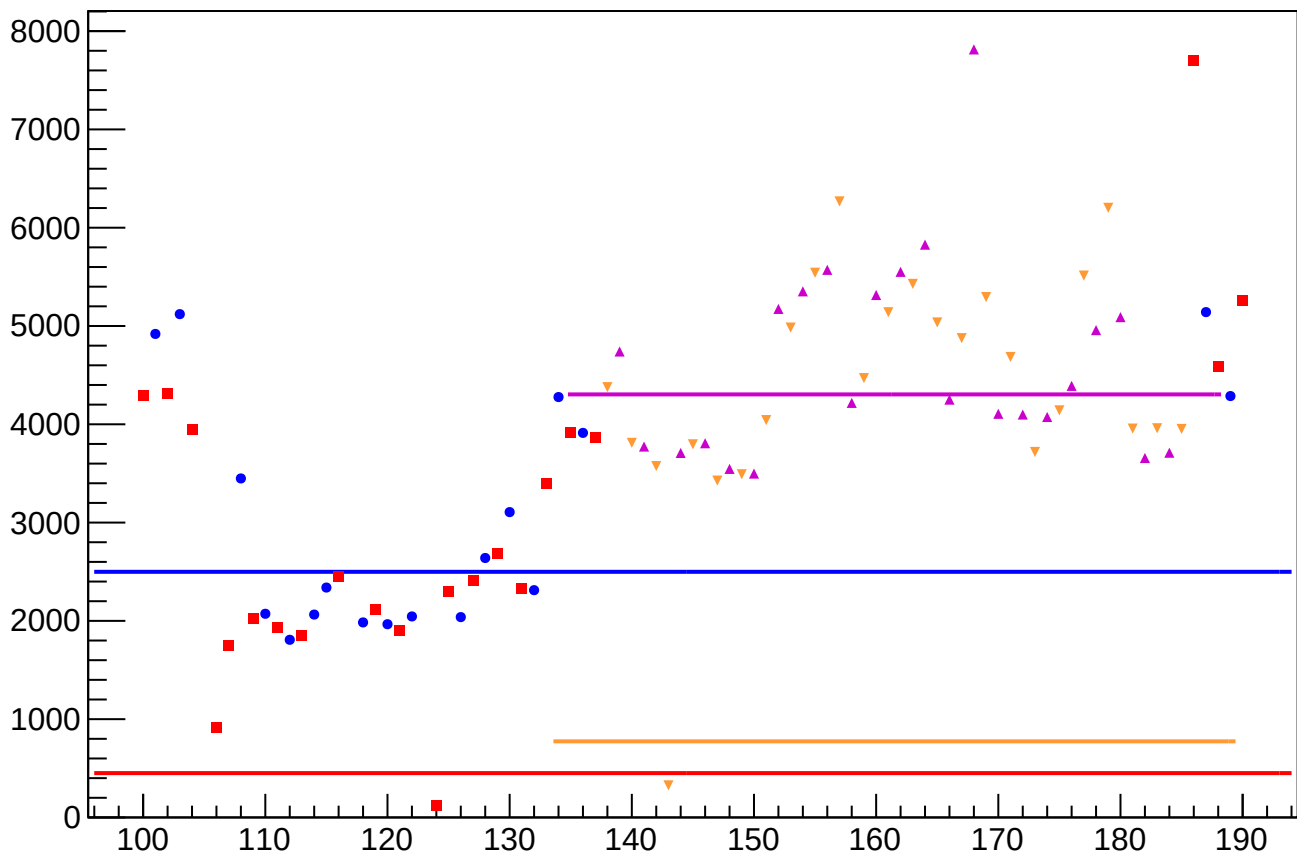
Left In: 28.728 $\pm$ 1025.481 χ^2 /NDF:13.3/22

+ sign 196.582 $\pm$ 322.552 χ^2 /NDF: 49.9/42

All: 123.528 $\pm$ 222.665 χ^2 /NDF: 94.0/87

- sign 57.021 $\pm$ 307.759 χ^2 /NDF: 44.1/44

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2499.150+/-0.669 χ^2/NDF : 1748848.2/17

Left Out: 774.232+/-0.243 χ^2/NDF : 28085586.8/24

Right Out: 451.225+/-0.228 χ^2/NDF : 13913374.8/21

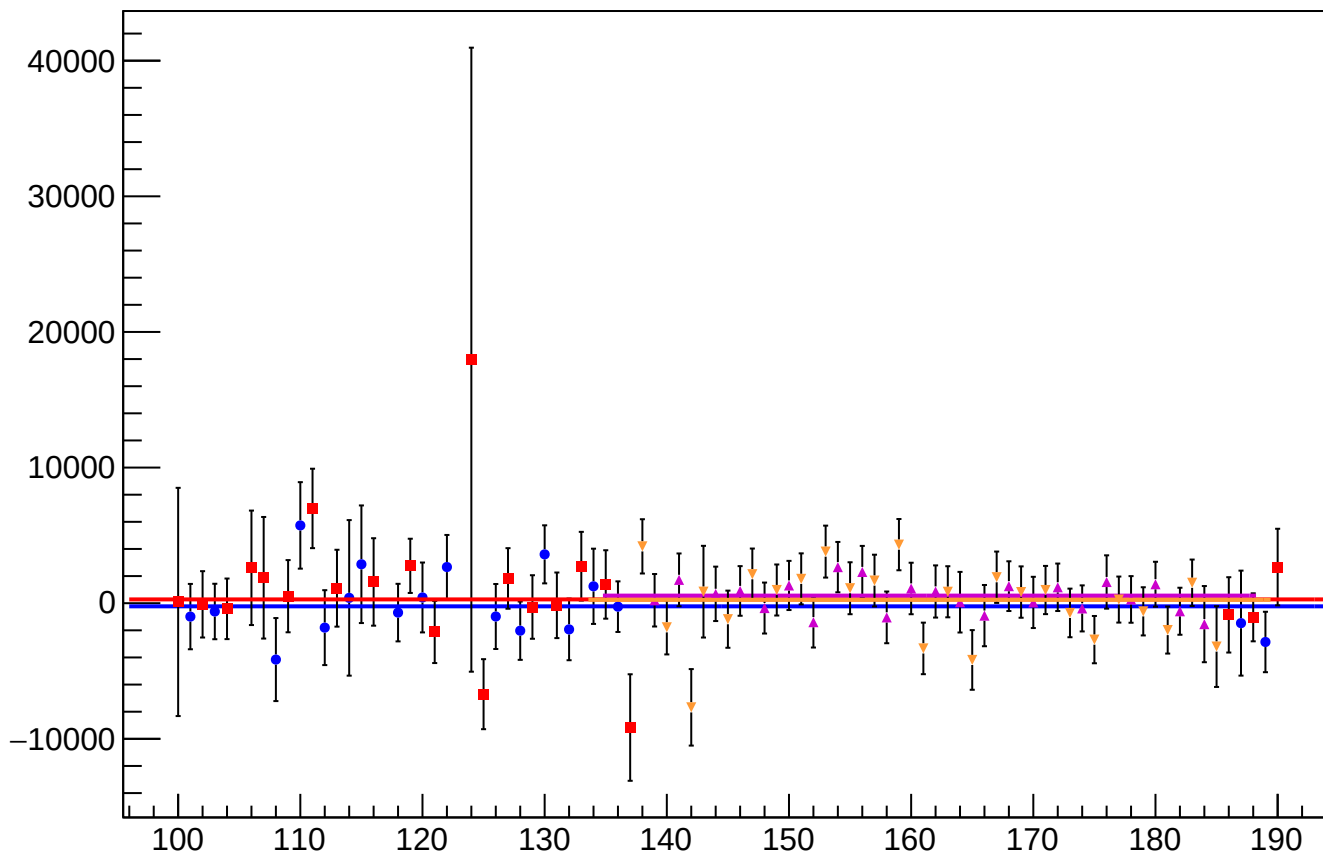
Left In: 4304.007+/-0.725 χ^2/NDF : 1216578.1/22

+ sign 974.929+/-0.228 χ^2/NDF : 35715002.2/42

All: 882.437+/-0.157 χ^2/NDF : 76847274.6/87

- sign 798.234+/-0.218 χ^2/NDF : 40818103.7/44

cor_asym_atl_dd_mean vs Slug



Right In: -230.948 ± 590.235 χ^2/NDF : 14.1/17

Left Out: 248.216 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 280.245 ± 571.222 χ^2/NDF : 25.5/21

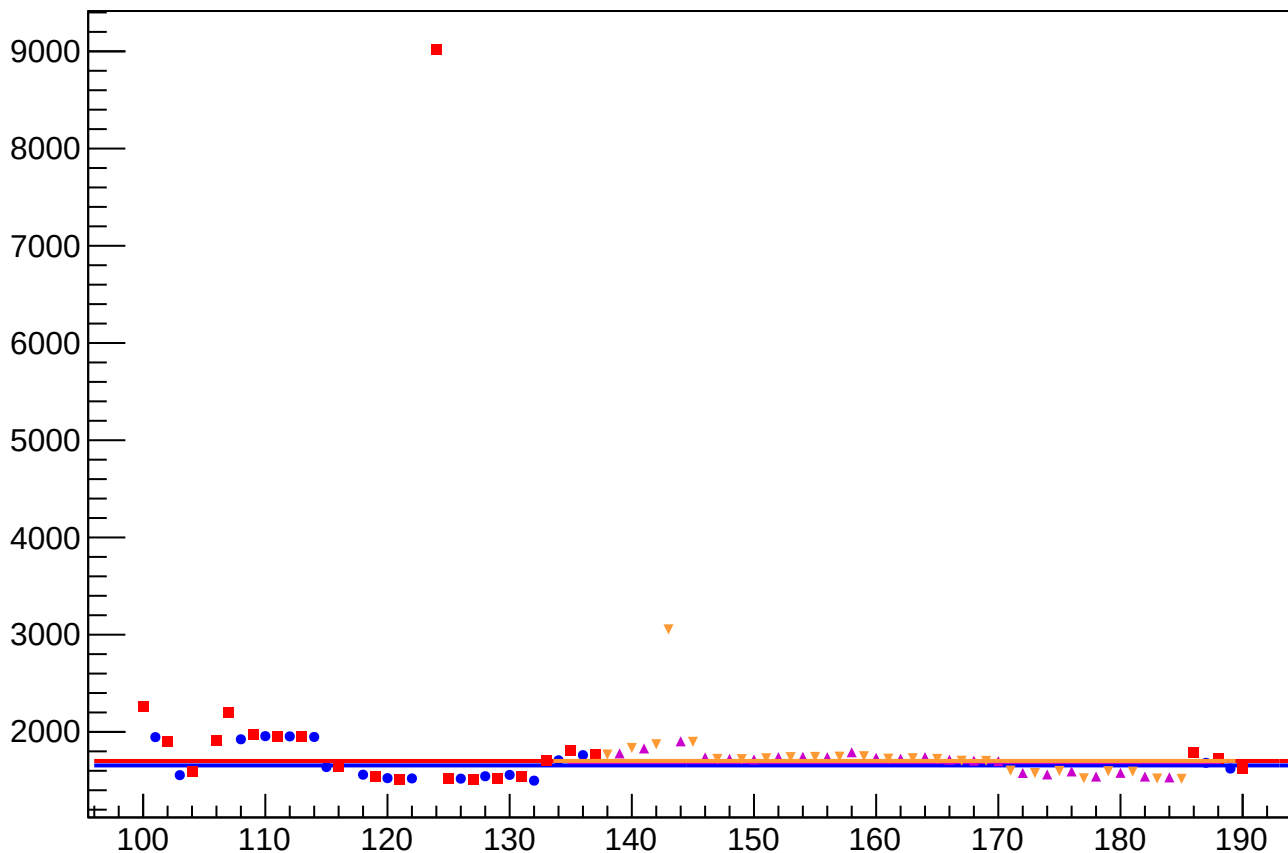
Left In: 559.960 ± 395.112 χ^2/NDF : 7.5/22

+ sign 103.203 ± 324.703 χ^2/NDF : 54.1/42

All: 286.182 ± 229.687 χ^2/NDF : 88.0/87

- sign 469.440 ± 324.951 χ^2/NDF : 33.2/44

cor_asym_atl_dd_rms vs Slug



Right In: 1655.312 $\pm$ 0.417 χ^2 /NDF: 144512.3/17

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.0/24

Right Out: 1700.997 $\pm$ 0.403 χ^2 /NDF: 391991.5/21

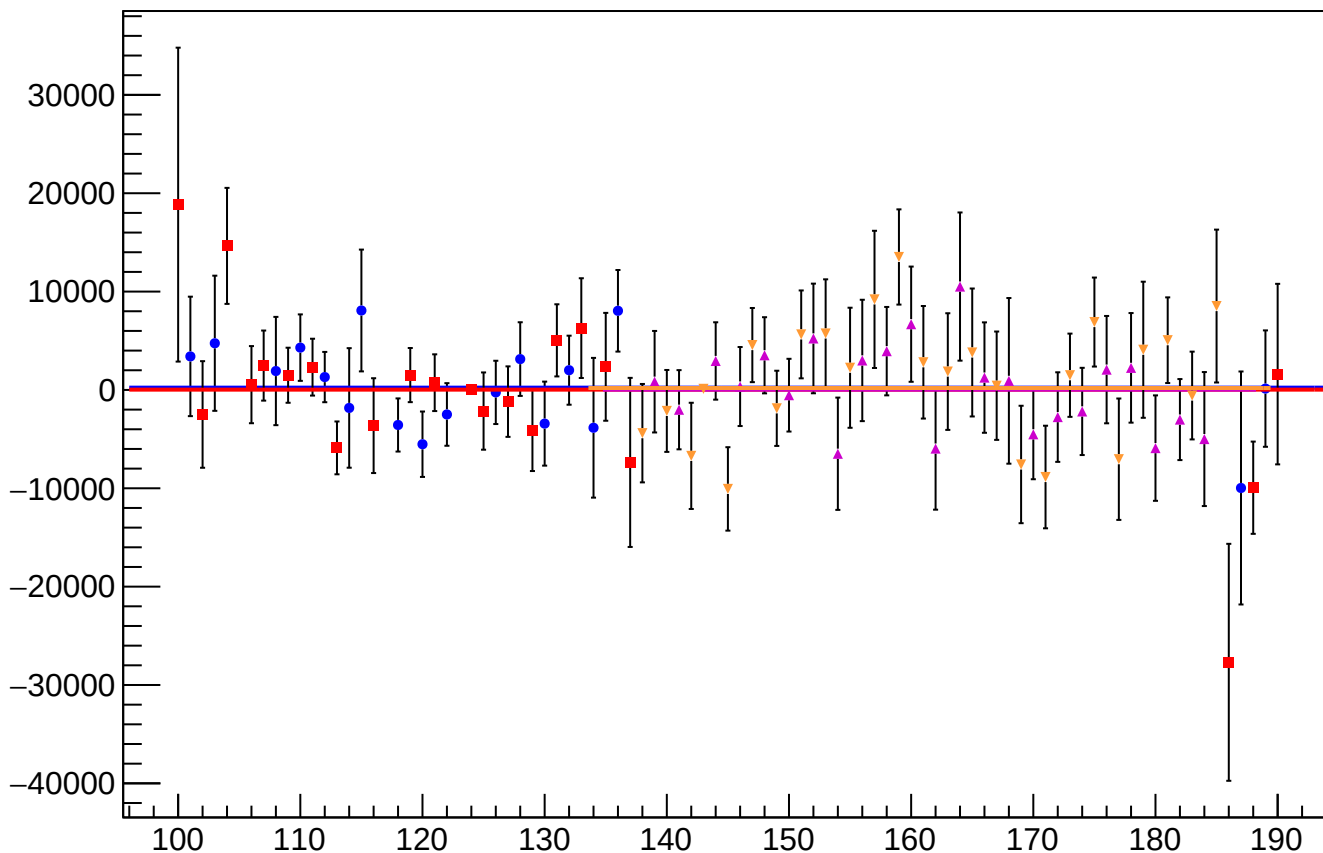
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1687.580 $\pm$ 0.230 χ^2 /NDF: 605462.6/42

All: 1690.328 $\pm$ 0.162 χ^2 /NDF: 1120632.4/87

- sign 1693.075 $\pm$ 0.230 χ^2 /NDF: 514883.3/44

asym_atl_dd_cor_correction_mean vs Slug



Right In: 232.160 $\pm$ 945.500 χ^2 /NDF: 16.1/17

Left Out: 193.916 $\pm$ 343.107 χ^2 /NDF:33.9/24

Right Out: 29.862 $\pm$ 314.751 χ^2 /NDF: 30.5/21

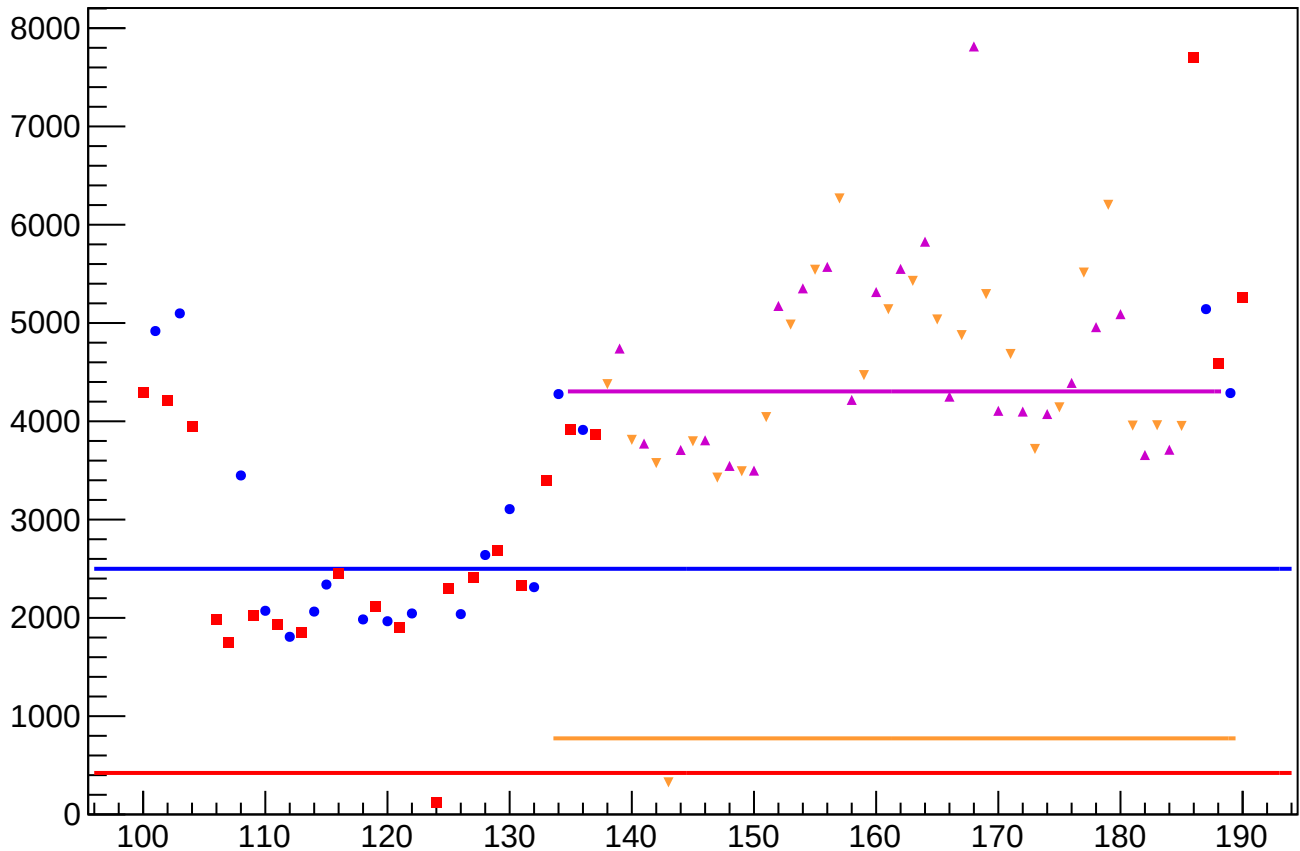
Left In: 28.766 $\pm$ 1025.480 χ^2 /NDF:13.3/22

+ sign 198.366 $\pm$ 322.528 χ^2 /NDF: 50.0/42

All: 108.224 $\pm$ 220.016 χ^2 /NDF: 93.9/87

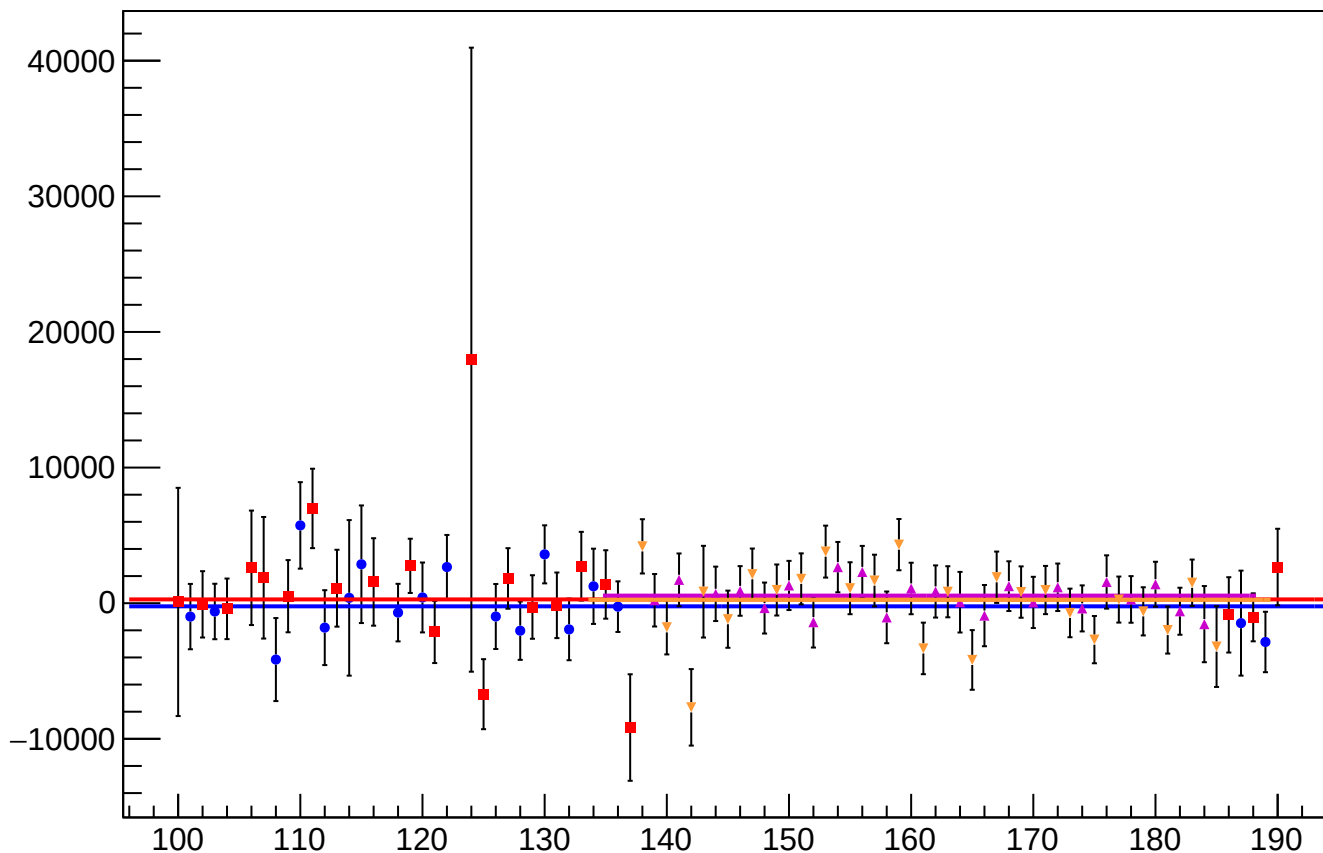
- sign 29.768 $\pm$ 300.897 χ^2 /NDF: 43.8/44

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2499.294+/-0.669	χ^2/NDF : 1747110.7/17	+ sign 974.885+/-0.228	χ^2/NDF : 35717060.7/42
Left Out: 774.143+/-0.243	χ^2/NDF : 28086455.1/24	All: 858.114+/-0.156	χ^2/NDF : 77904342.2/87
Right Out: 422.282+/-0.223	χ^2/NDF : 14291022.0/21	- sign 756.481+/-0.213	χ^2/NDF : 41696949.1/44
Left In: 4304.001+/-0.725	χ^2/NDF : 1216572.3/22		

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -230.948 ± 590.235 χ^2/NDF : 14.1/17

Left Out: 248.216 ± 388.827 χ^2/NDF : 39.6/24

Right Out: 280.245 ± 571.222 χ^2/NDF : 25.5/21

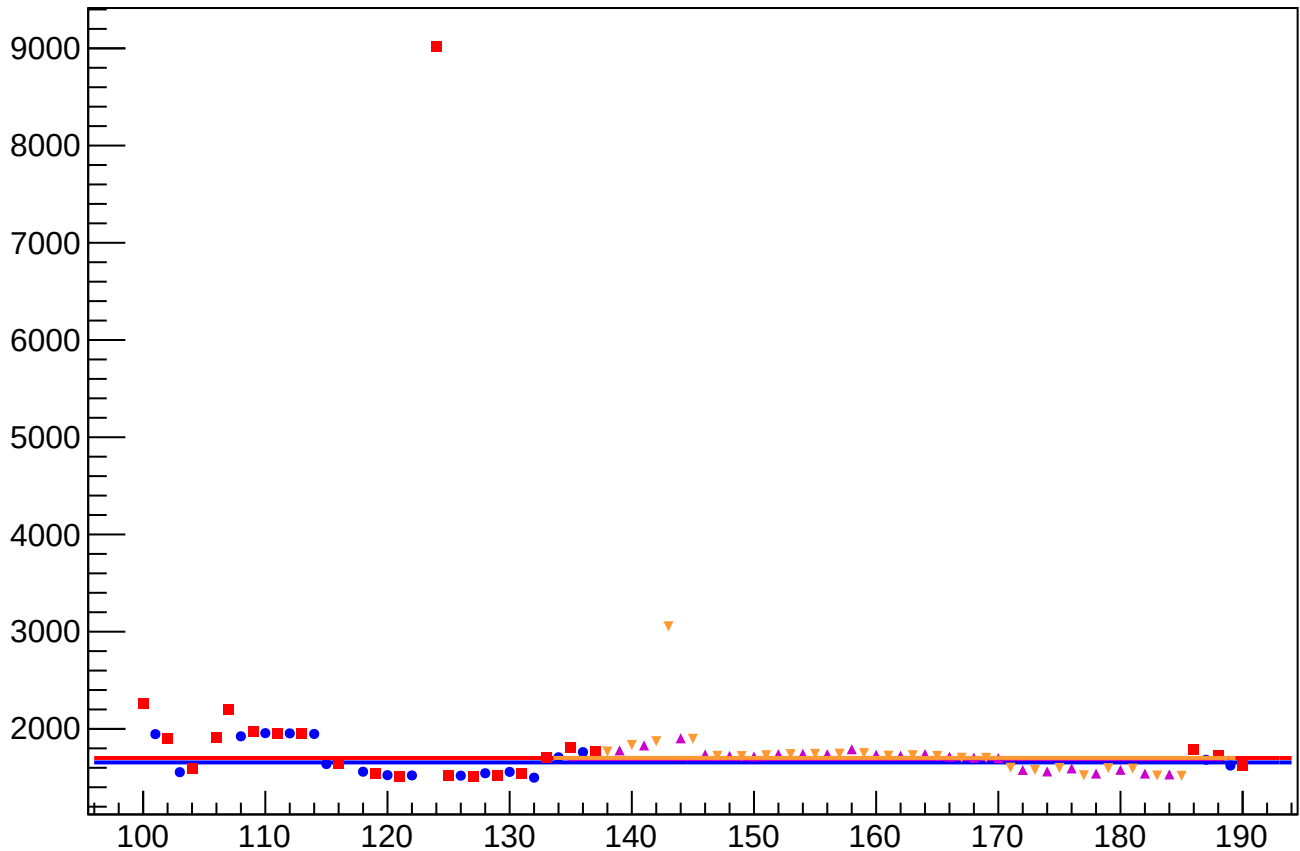
Left In: 559.960 ± 395.112 χ^2/NDF : 7.5/22

+ sign 103.203 ± 324.703 χ^2/NDF : 54.1/42

All: 286.182 ± 229.687 χ^2/NDF : 88.0/87

- sign 469.440 ± 324.951 χ^2/NDF : 33.2/44

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1655.312 $\pm$ 0.417 χ^2 /NDF: 144512.3/17

Left Out: 1701.583 $\pm$ 0.275 χ^2 /NDF: 452379.0/24

Right Out: 1700.997 $\pm$ 0.403 χ^2 /NDF: 391991.5/21

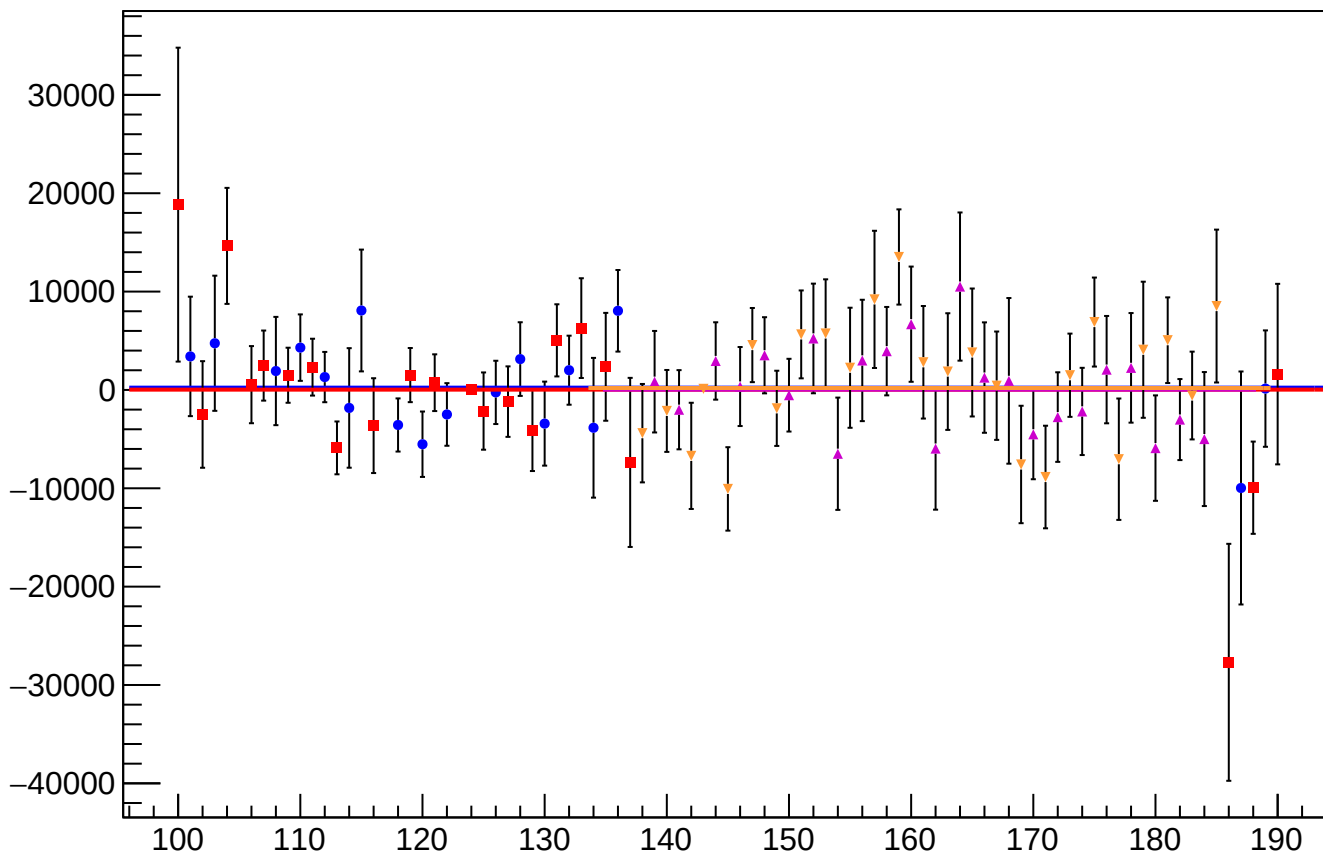
Left In: 1689.259 $\pm$ 0.279 χ^2 /NDF: 122317.9/22

+ sign 1687.580 $\pm$ 0.230 χ^2 /NDF: 605462.6/42

All: 1690.328 $\pm$ 0.162 χ^2 /NDF: 1120632.4/87

- sign 1693.075 $\pm$ 0.230 χ^2 /NDF: 514883.3/44

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 232.160 $\pm$ 945.500 χ^2 /NDF: 16.1/17

Left Out: 193.916 $\pm$ 343.107 χ^2 /NDF:33.9/24

Right Out: 29.862 $\pm$ 314.751 χ^2 /NDF: 30.5/21

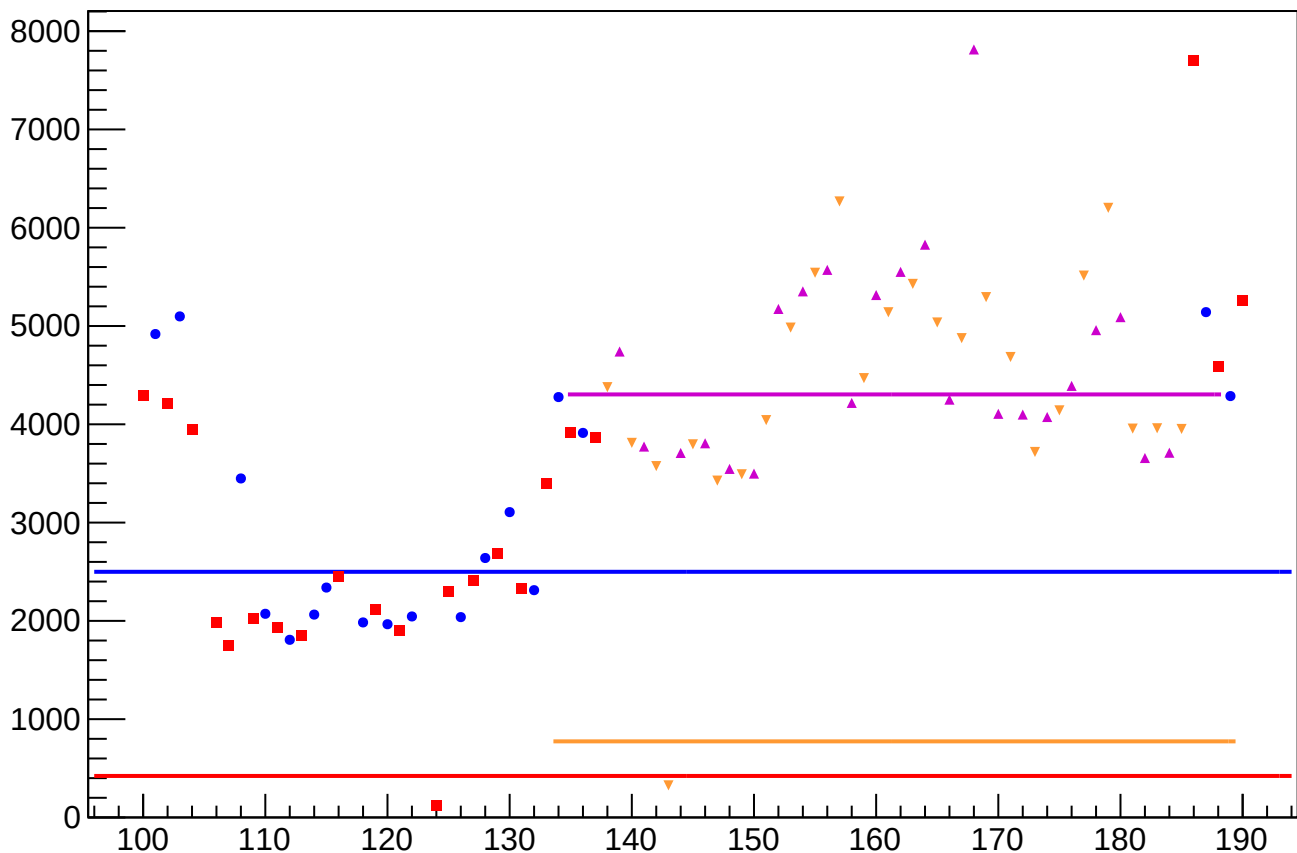
Left In: 28.766 $\pm$ 1025.480 χ^2 /NDF:13.3/22

+ sign 198.366 $\pm$ 322.528 χ^2 /NDF: 50.0/42

All: 108.224 $\pm$ 220.016 χ^2 /NDF: 93.9/87

- sign 29.768 $\pm$ 300.897 χ^2 /NDF: 43.8/44

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2499.294+/-0.669 χ^2/NDF : 1747110.7/17

Left Out: 774.143+/-0.243 χ^2/NDF : 28086455.1/24

Right Out: 422.282+/-0.223 χ^2/NDF : 14291022.0/21

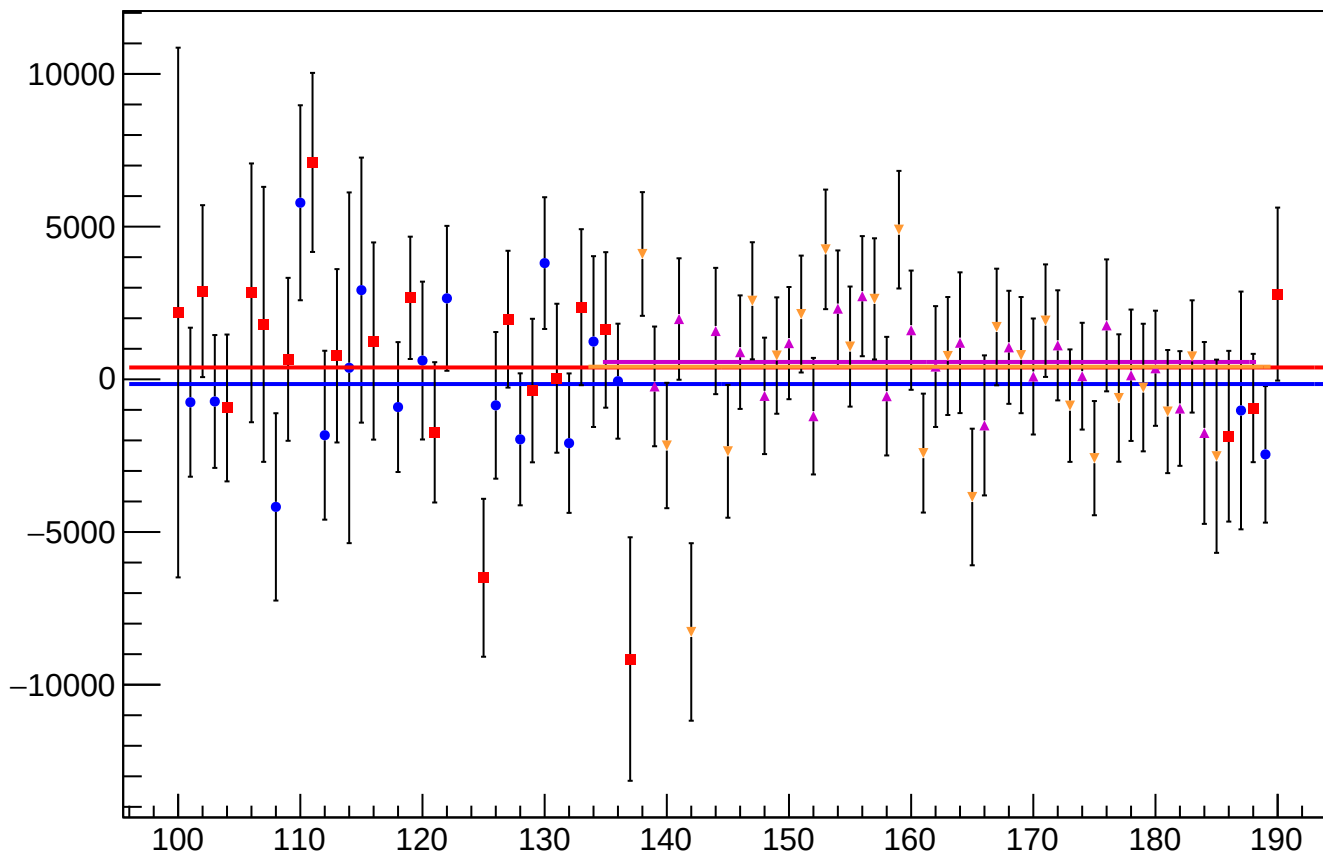
Left In: 4304.001+/-0.725 χ^2/NDF : 1216572.3/22

+ sign 974.885+/-0.228 χ^2/NDF : 35717060.7/42

All: 858.114+/-0.156 χ^2/NDF : 77904342.2/87

- sign 756.481+/-0.213 χ^2/NDF : 41696949.1/44

dit_asym_atl_dd_mean vs Slug



Right In: -154.651 ± 595.843 χ^2/NDF : 14.0/17

Left Out: 413.309 ± 410.536 χ^2/NDF : 40.0/23

Right Out: 388.500 ± 580.050 χ^2/NDF : 25.3/20

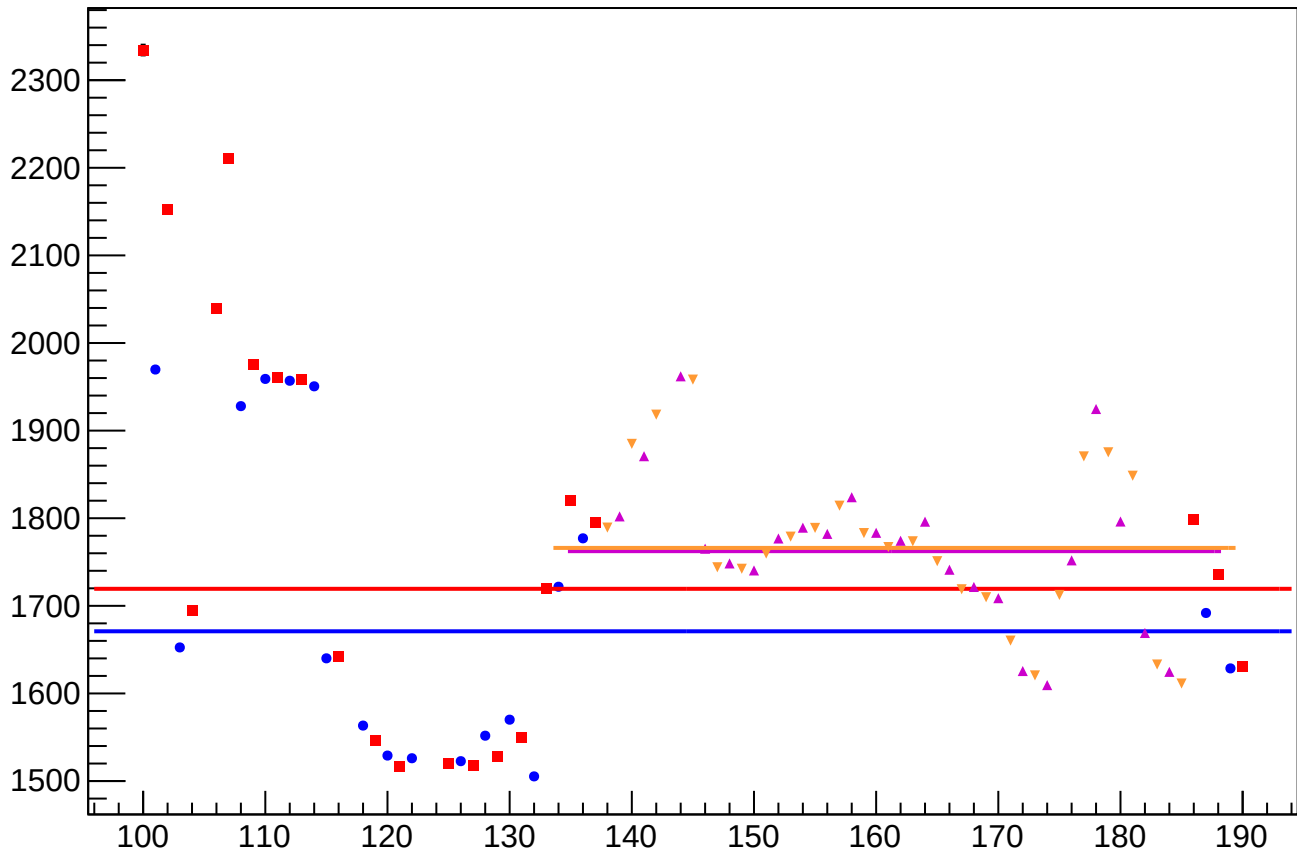
Left In: 568.823 ± 412.052 χ^2/NDF : 7.7/22

+ sign 230.480 ± 338.062 χ^2/NDF : 54.6/41

All: 370.295 ± 238.285 χ^2/NDF : 88.1/85

- sign 508.345 ± 335.921 χ^2/NDF : 33.1/43

dit_asym_atl_dd_rms vs Slug



Right In: 1670.948+/-0.421 χ^2/NDF : 141688.1/17

Left Out: 1766.115+/-0.290 χ^2/NDF : 83252.4/23

Right Out: 1719.431+/-0.409 χ^2/NDF : 231391.8/20

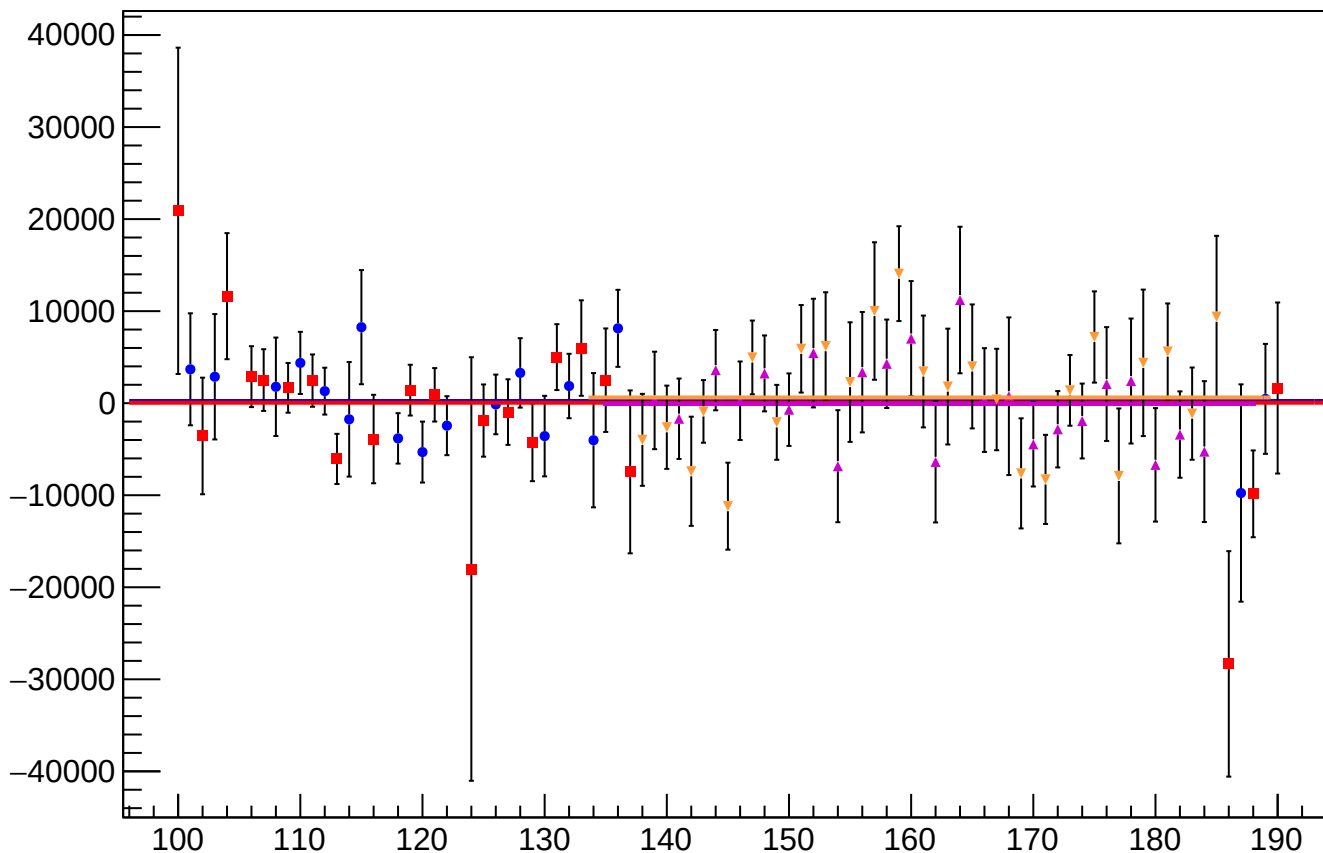
Left In: 1762.405+/-0.291 χ^2/NDF : 80090.6/22

+ sign 1735.480+/-0.239 χ^2/NDF : 259537.1/41

All: 1741.762+/-0.168 χ^2/NDF : 579705.3/85

- sign 1747.956+/-0.237 χ^2/NDF : 318796.6/43

asym_atl_dd_dit_correction_mean vs Slug



Right In: 235.882 $\pm$ 949.252 χ^2 /NDF: 16.0/17

Left Out: 619.658 $\pm$ 1034.658 χ^2 /NDF:33.1/24

Right Out: 50.016 $\pm$ 862.920 χ^2 /NDF: 28.9/21

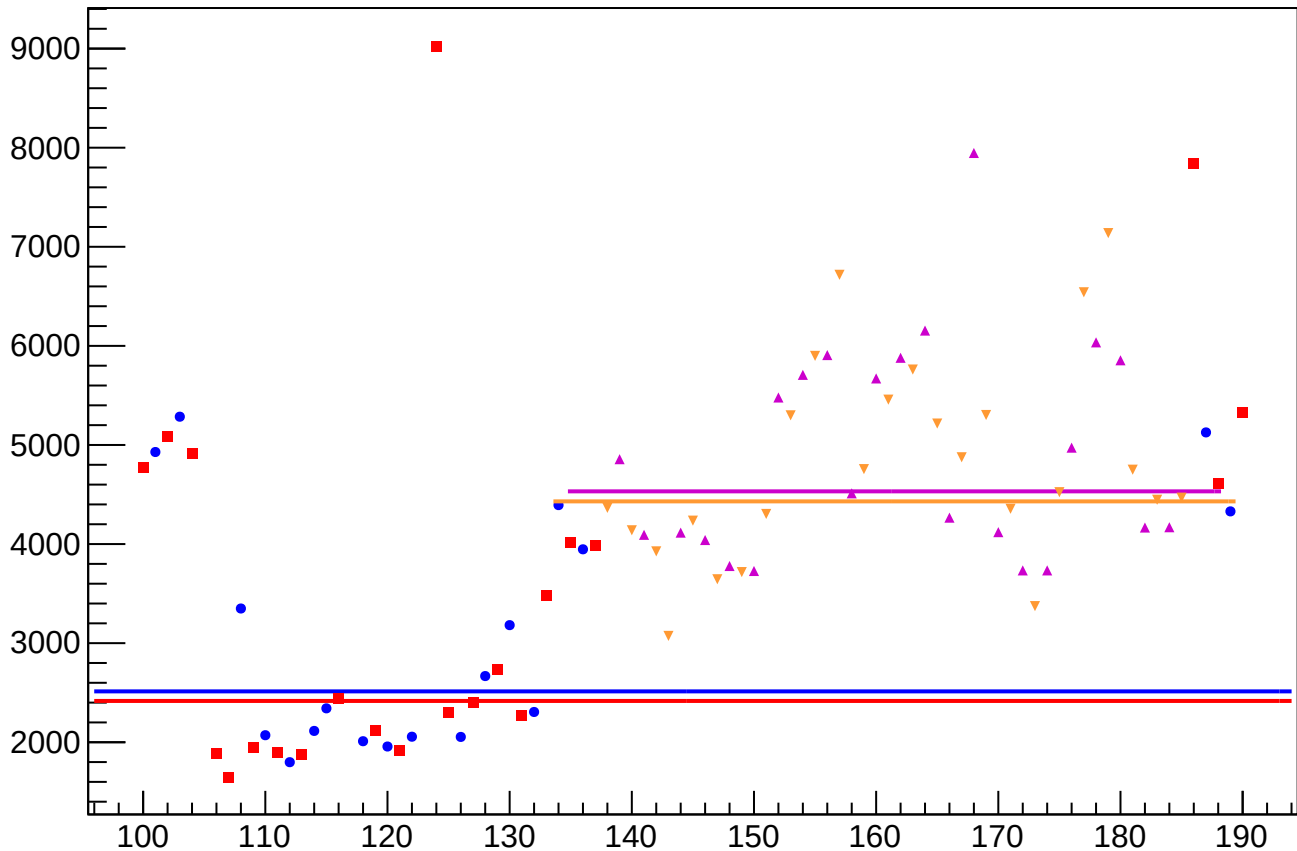
Left In: -85.511 $\pm$ 1082.508 χ^2 /NDF:12.9/22

+ sign 411.280 $\pm$ 699.470 χ^2 /NDF: 49.1/42

All: 196.880 $\pm$ 485.630 χ^2 /NDF: 91.1/87

- sign -2.642 $\pm$ 674.765 χ^2 /NDF: 41.8/44

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2513.431+/-0.671 χ^2/NDF : 1809595.5/17

Left Out: 4430.796+/-0.732 χ^2/NDF : 1613272.4/24

Right Out: 2416.803+/-0.610 χ^2/NDF : 2614793.3/21

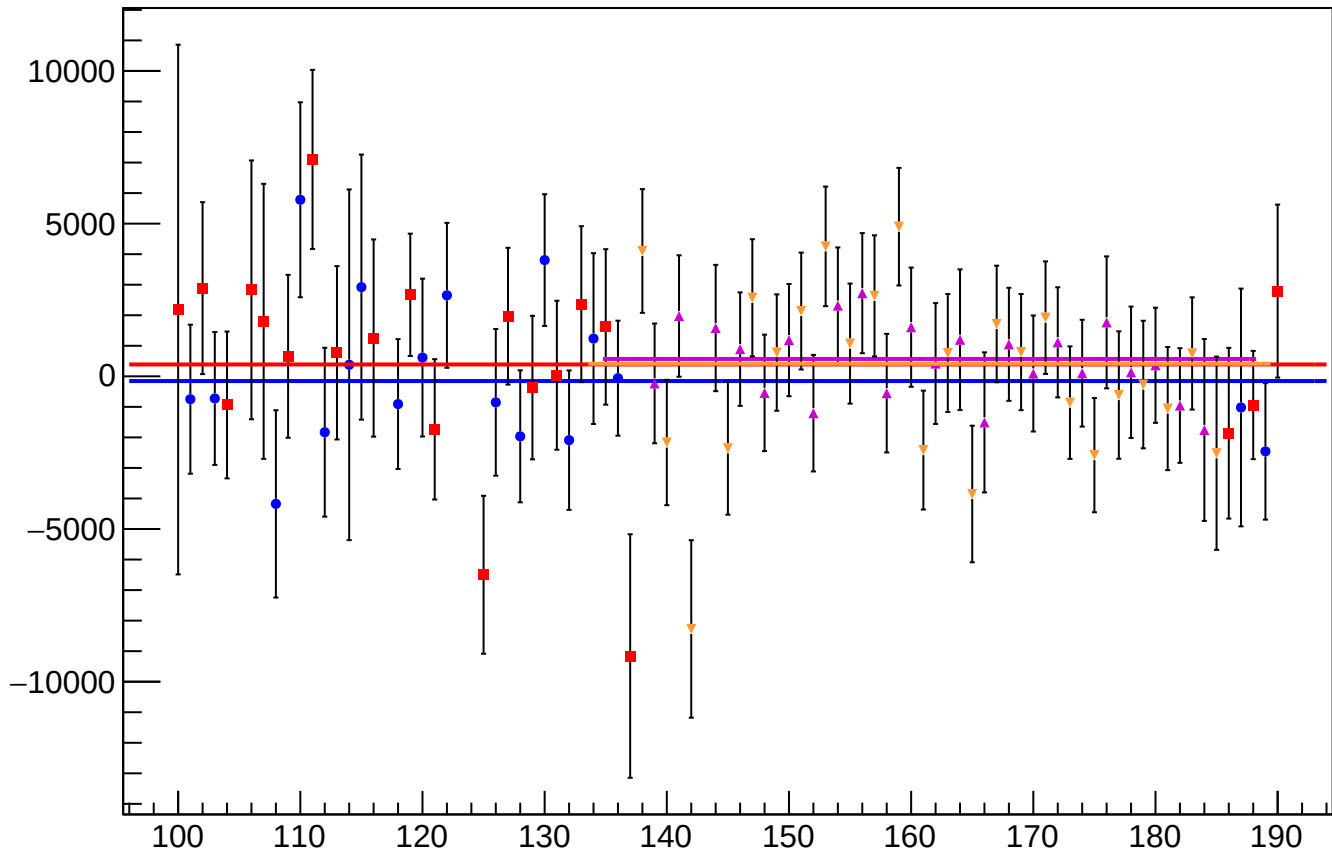
Left In: 4531.944+/-0.765 χ^2/NDF : 1376472.2/22

+ sign 3389.726+/-0.495 χ^2/NDF : 7152120.4/42

All: 3311.464+/-0.343 χ^2/NDF : 15860574.5/8

- sign 3238.633+/-0.477 χ^2/NDF : 8660116.7/44

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -154.654 ± 595.843 χ^2/NDF : 14.0/17

Left Out: 413.311 ± 410.536 χ^2/NDF : 40.0/23

Right Out: 388.503 ± 580.050 χ^2/NDF : 25.3/20

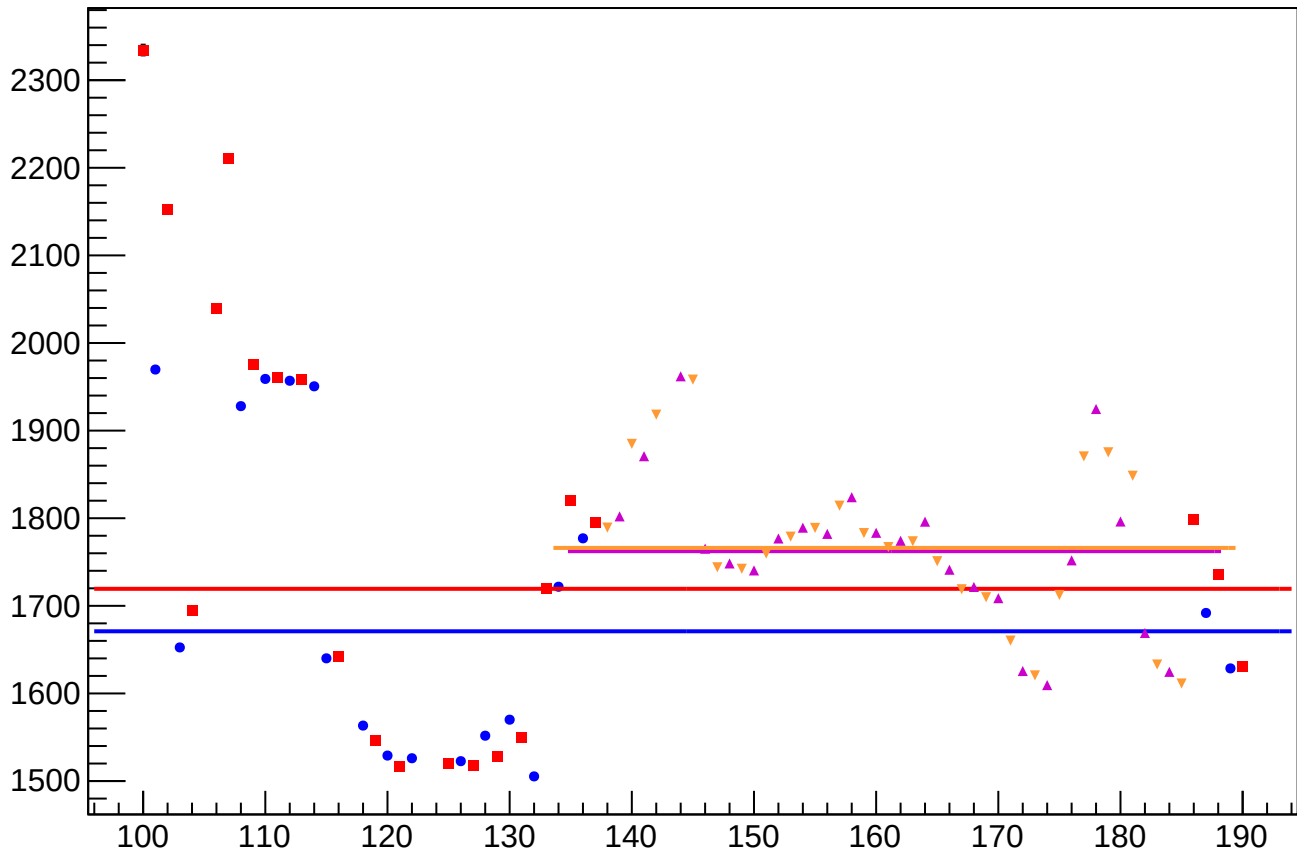
Left In: 568.821 ± 412.052 χ^2/NDF : 7.7/22

+ sign 230.480 ± 338.062 χ^2/NDF : 54.6/41

All: 370.295 ± 238.285 χ^2/NDF : 88.1/85

- sign 508.345 ± 335.921 χ^2/NDF : 33.1/43

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1670.947+/-0.421 χ^2 /NDF: 141688.1/17

Left Out: 1766.116+/-0.290 χ^2 /NDF: 83255.3/23

Right Out: 1719.431+/-0.409 χ^2 /NDF: 231391.1/20

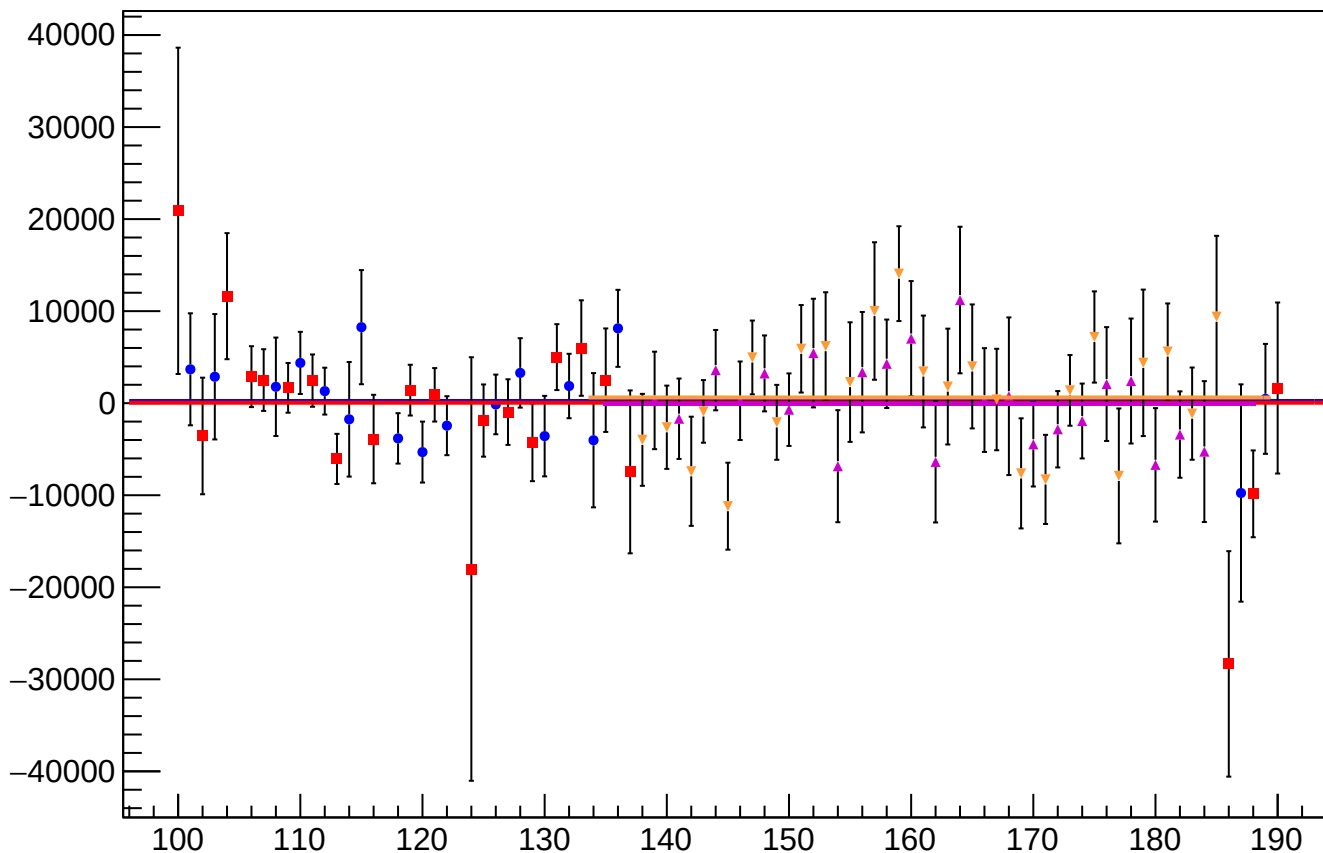
Left In: 1762.406+/-0.291 χ^2 /NDF: 80093.2/22

+ sign 1735.481+/-0.239 χ^2 /NDF: 259541.0/41

All: 1741.762+/-0.168 χ^2 /NDF: 579711.5/85

- sign 1747.957+/-0.237 χ^2 /NDF: 318798.9/43

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 235.877 $\pm$ 949.249 χ^2 /NDF: 16.0/17

Left Out: 619.663 $\pm$ 1034.659 χ^2 /NDF:33.1/24

Right Out: 50.022 $\pm$ 862.917 χ^2 /NDF: 28.9/21

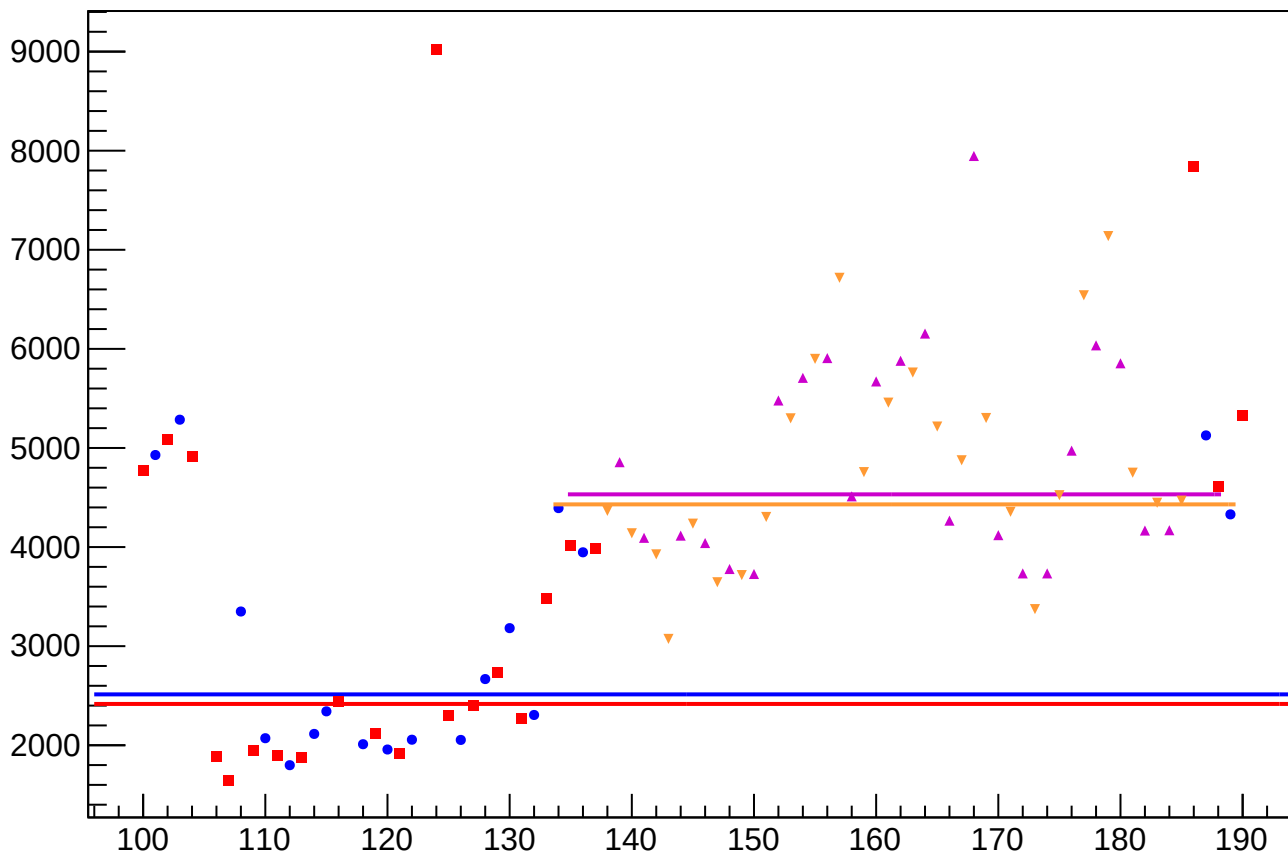
Left In: -85.511 $\pm$ 1082.509 χ^2 /NDF:12.9/22

+ sign 411.278 $\pm$ 699.469 χ^2 /NDF: 49.1/42

All: 196.881 $\pm$ 485.629 χ^2 /NDF: 91.1/87

- sign -2.639 $\pm$ 674.764 χ^2 /NDF: 41.8/44

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2513.420+/-0.671 χ^2/NDF : 1809611.2/17

Left Out: 4430.803+/-0.732 χ^2/NDF : 1613274.9/24

Right Out: 2416.794+/-0.610 χ^2/NDF : 2614807.6/21

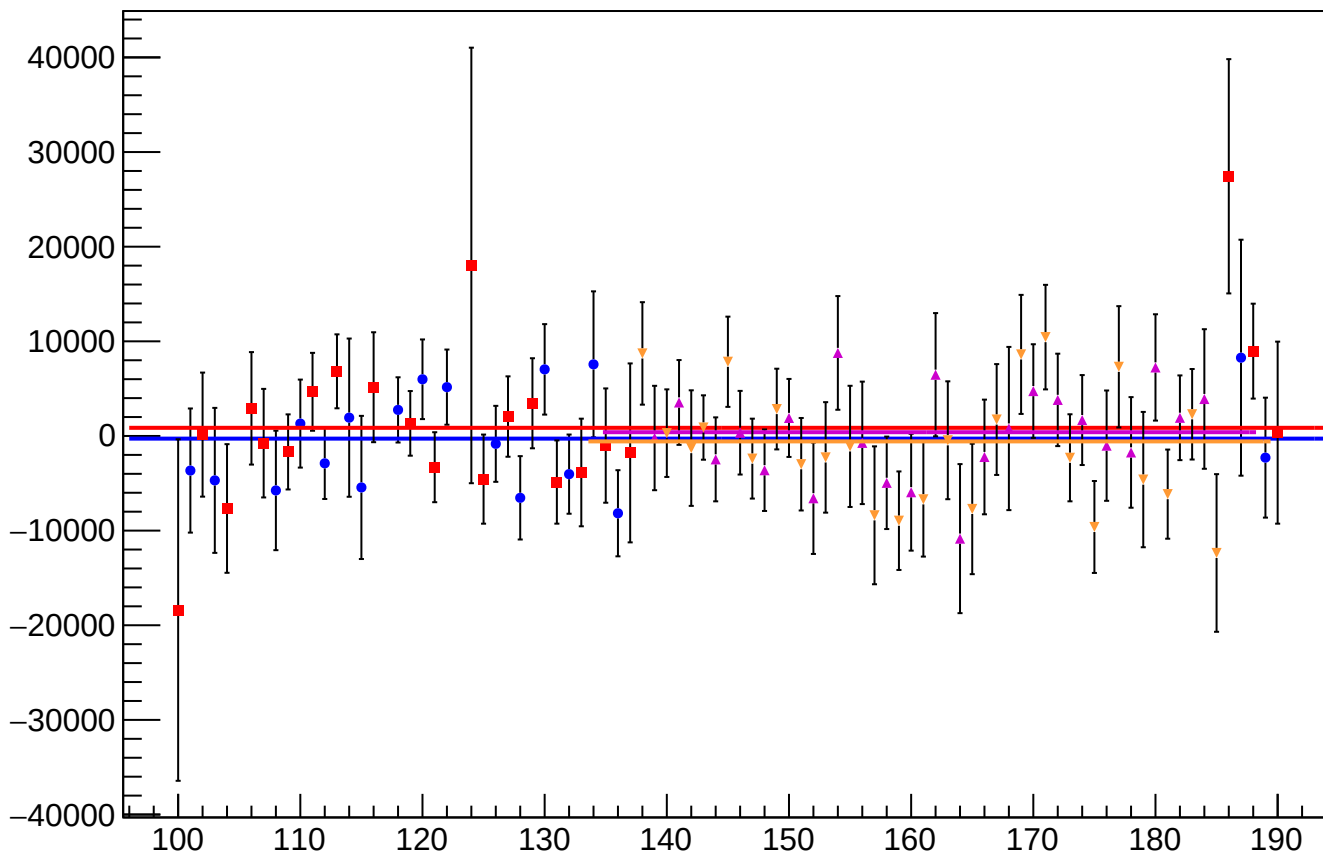
Left In: 4531.951+/-0.765 χ^2/NDF : 1376473.4/22

+ sign 3389.718+/-0.495 χ^2/NDF : 7152214.5/42

All: 3311.456+/-0.343 χ^2/NDF : 15860758.6/8

- sign 3238.625+/-0.477 χ^2/NDF : 8660206.8/44

asym_atl_dd_mean vs Slug



Right In: -280.157 ± 1171.314 $\chi^2/\text{NDF}: 17.1/17$

Left Out: -573.122 ± 1054.836 $\chi^2/\text{NDF}: 28.8/24$

Right Out: 861.837 ± 1112.245 $\chi^2/\text{NDF}: 20.4/21$

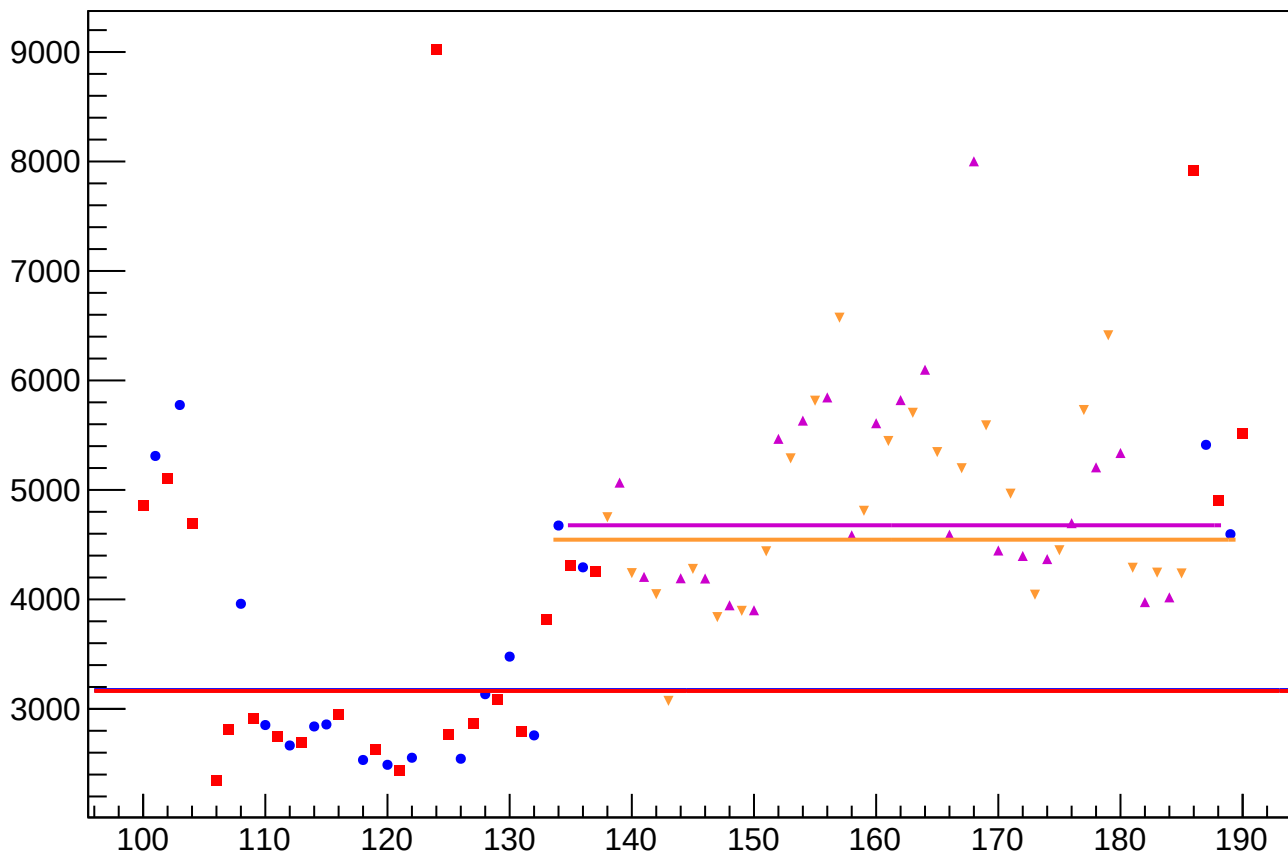
Left In: 398.404 ± 1109.490 $\chi^2/\text{NDF}: 14.0/22$

+ sign -441.927 ± 783.836 $\chi^2/\text{NDF}: 46.0/42$

All: 92.673 ± 554.843 $\chi^2/\text{NDF}: 81.4/87$

- sign 629.546 ± 785.500 $\chi^2/\text{NDF}: 34.5/44$

asym_atl_dd_rms vs Slug



Right In: 3171.652+/-0.828 χ^2/NDF : 1136425.6/17

Left Out: 4545.493+/-0.746 χ^2/NDF : 1258528.5/24

Right Out: 3163.756+/-0.777 χ^2/NDF : 1504778.9/21

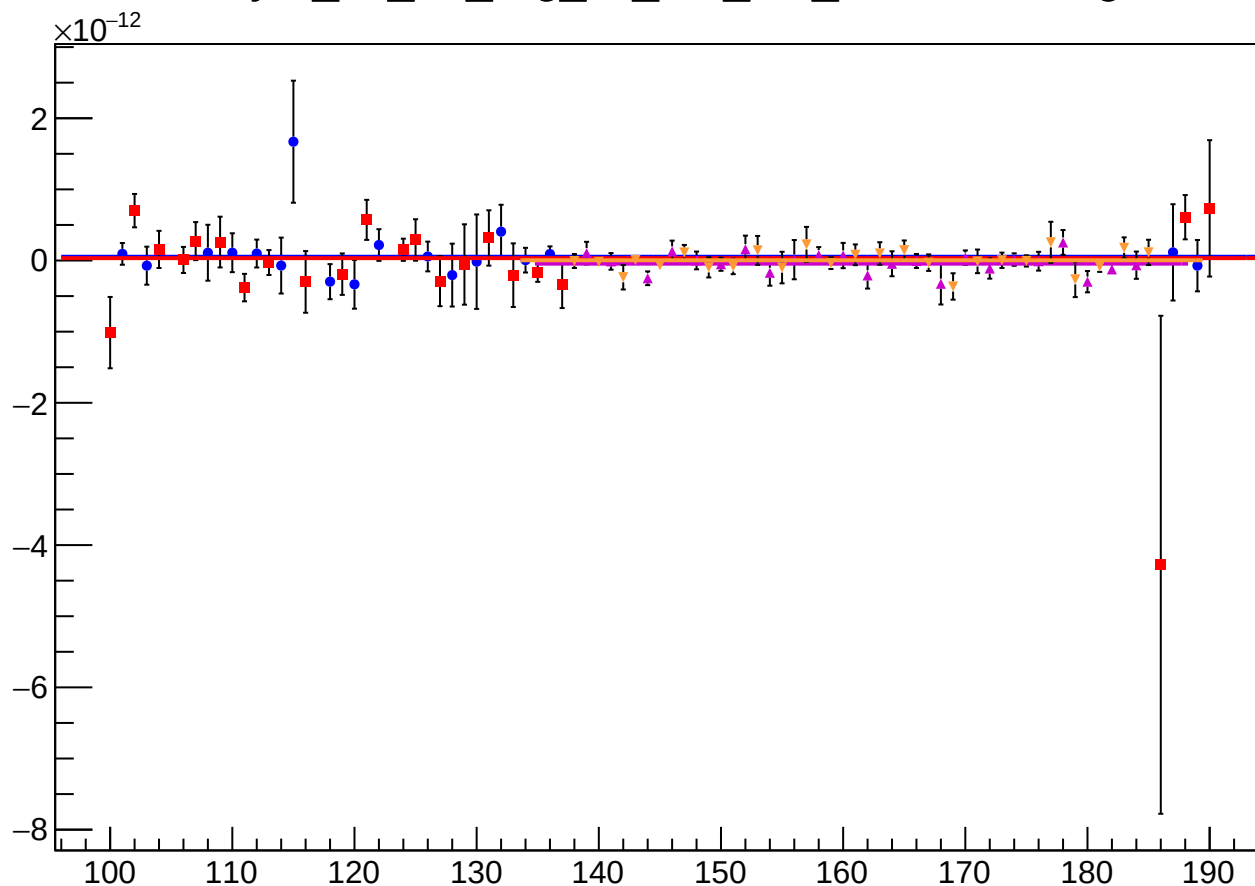
Left In: 4677.049+/-0.785 χ^2/NDF : 959885.7/22

+ sign 3930.258+/-0.554 χ^2/NDF : 3914232.7/42

All: 3921.449+/-0.391 χ^2/NDF : 8258675.6/87

- sign 3912.714+/-0.552 χ^2/NDF : 4343939.7/44

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 9.5/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 35.6/21

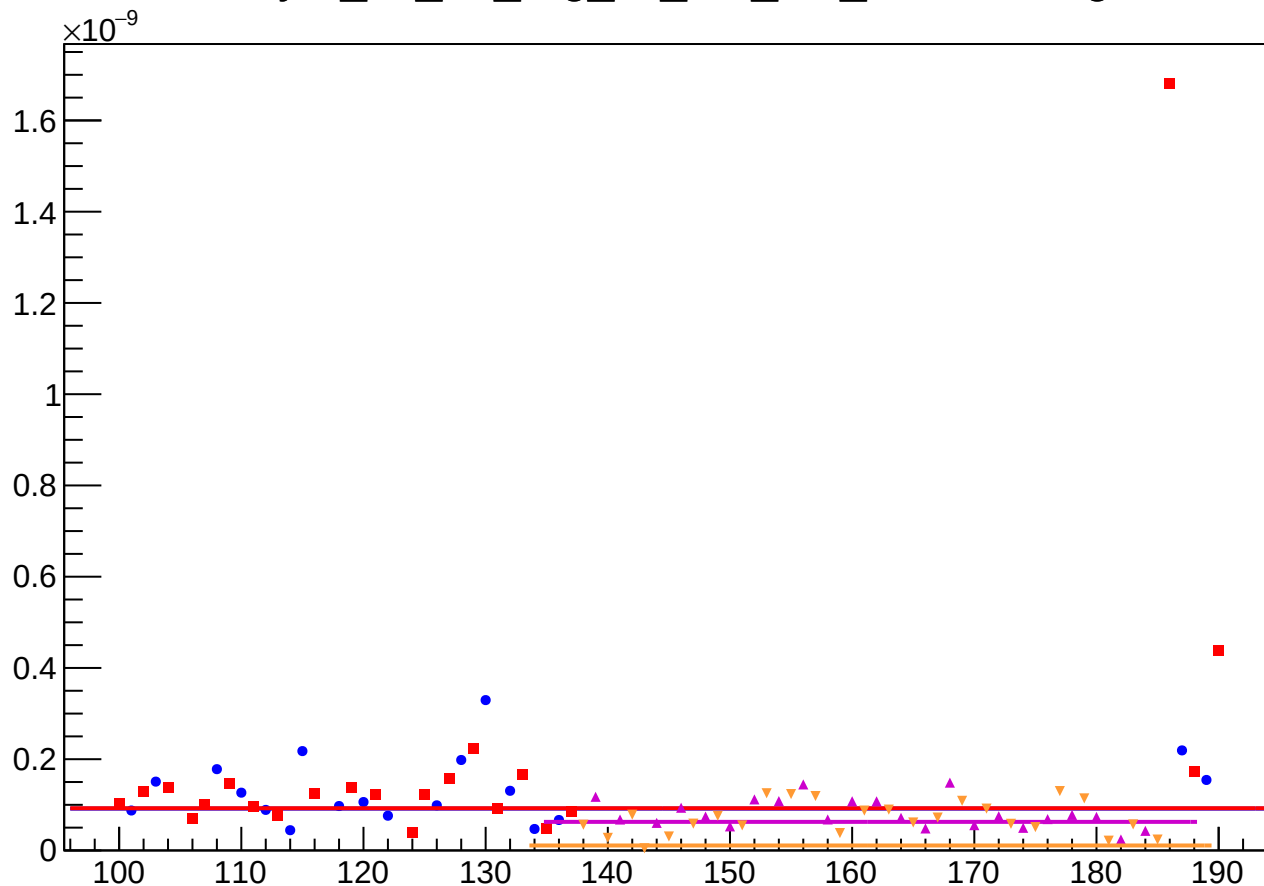
Left In: -0.000 ± 0.000 χ^2/NDF : 20.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 28.4/42

All: 0.000 ± 0.000 χ^2/NDF : 88.2/87

- sign -0.000 ± 0.000 χ^2/NDF : 57.9/44

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1085035.0/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 9705530.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 1827810.4/21

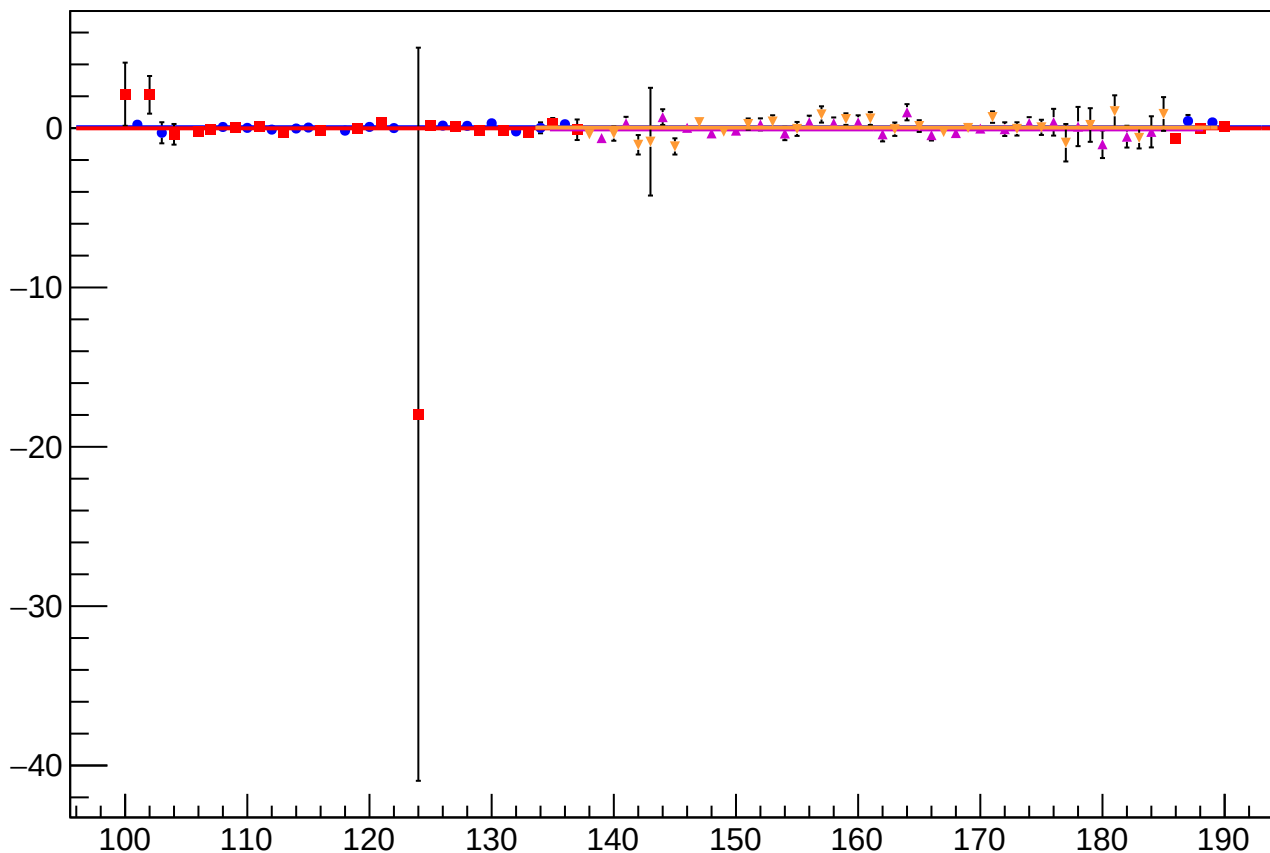
Left In: 0.000 ± 0.000 χ^2/NDF : 2092071.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 14919821.5/42

All: 0.000 ± 0.000 χ^2/NDF : 29237678.3/87

- sign 0.000 ± 0.000 χ^2/NDF : 4404024.4/44

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.058 ± 0.043 χ^2/NDF : 13.9/17

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: -0.011 ± 0.037 χ^2/NDF : 28.4/21

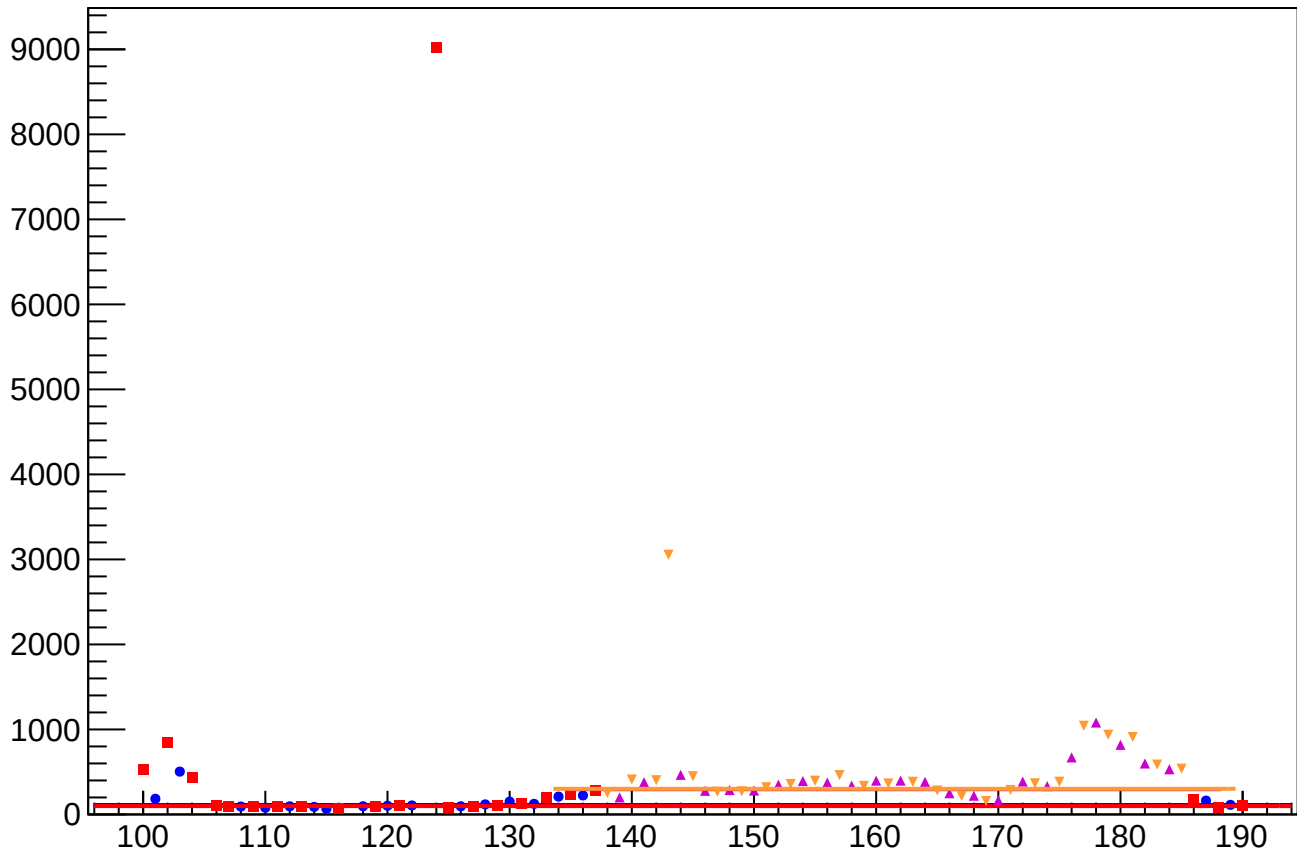
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.053 ± 0.038 χ^2/NDF : 43.6/42

All: 0.010 ± 0.025 χ^2/NDF : 99.1/87

- sign -0.024 ± 0.033 χ^2/NDF : 53.1/44

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 110.889 $\pm$ 0.031 χ^2 /NDF: 1968366.4/17

Left Out: 301.735 $\pm$ 0.054 χ^2 /NDF: 6693517.2/24

Right Out: 98.267 $\pm$ 0.026 χ^2 /NDF: 2890926.3/21

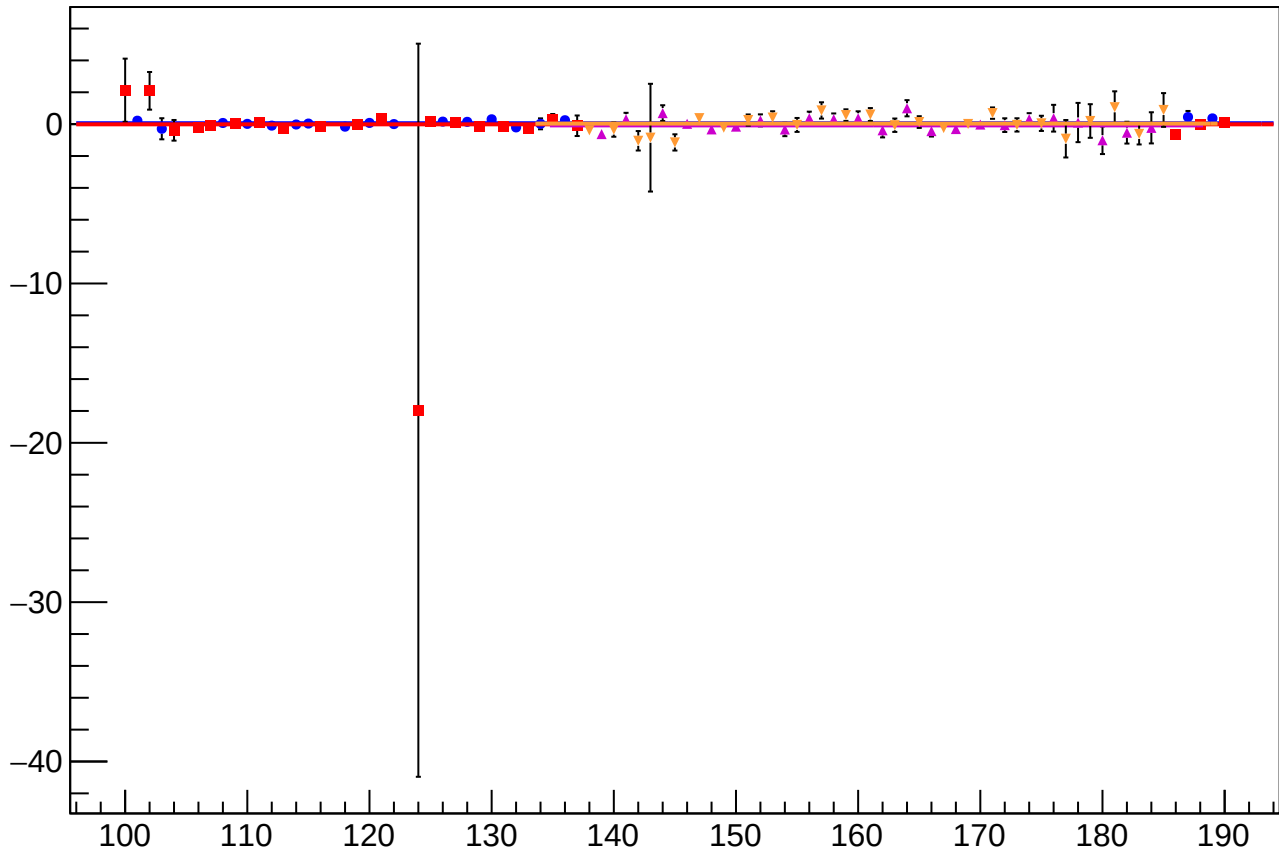
Left In: 296.875 $\pm$ 0.054 χ^2 /NDF: 4917907.0/22

+ sign 156.813 $\pm$ 0.027 χ^2 /NDF: 18007912.2/42

All: 145.798 $\pm$ 0.018 χ^2 /NDF: 37183896.1/87

- sign 137.119 $\pm$ 0.024 χ^2 /NDF: 18871350.9/44

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.058 ± 0.043 χ^2/NDF : 13.9/17

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: -0.011 ± 0.037 χ^2/NDF : 28.4/21

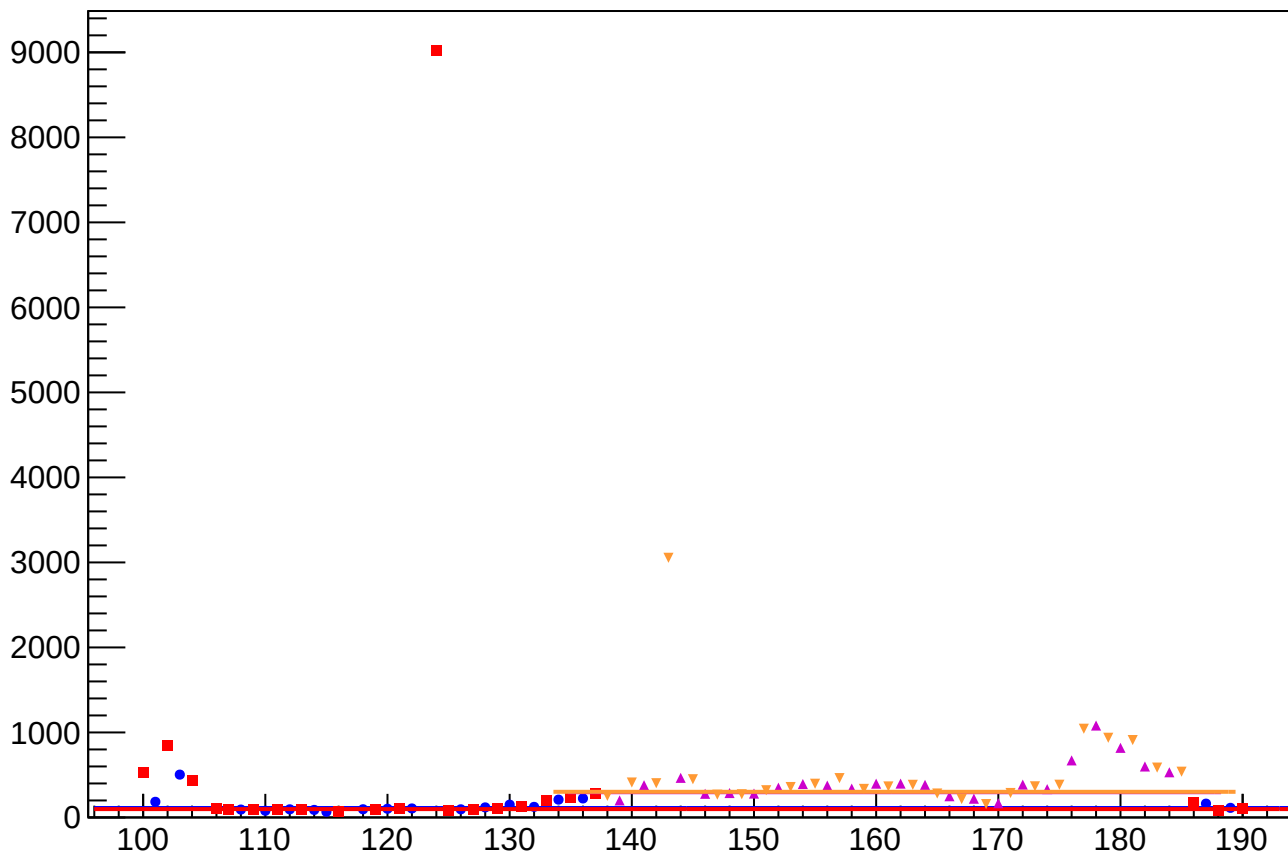
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.053 ± 0.038 χ^2/NDF : 43.6/42

All: 0.010 ± 0.025 χ^2/NDF : 99.1/87

- sign -0.024 ± 0.033 χ^2/NDF : 53.1/44

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 110.889 $\pm$ 0.031 χ^2 /NDF: 1968366.4/17

Left Out: 301.735 $\pm$ 0.054 χ^2 /NDF: 6693517.2/24

Right Out: 98.267 $\pm$ 0.026 χ^2 /NDF: 2890926.3/21

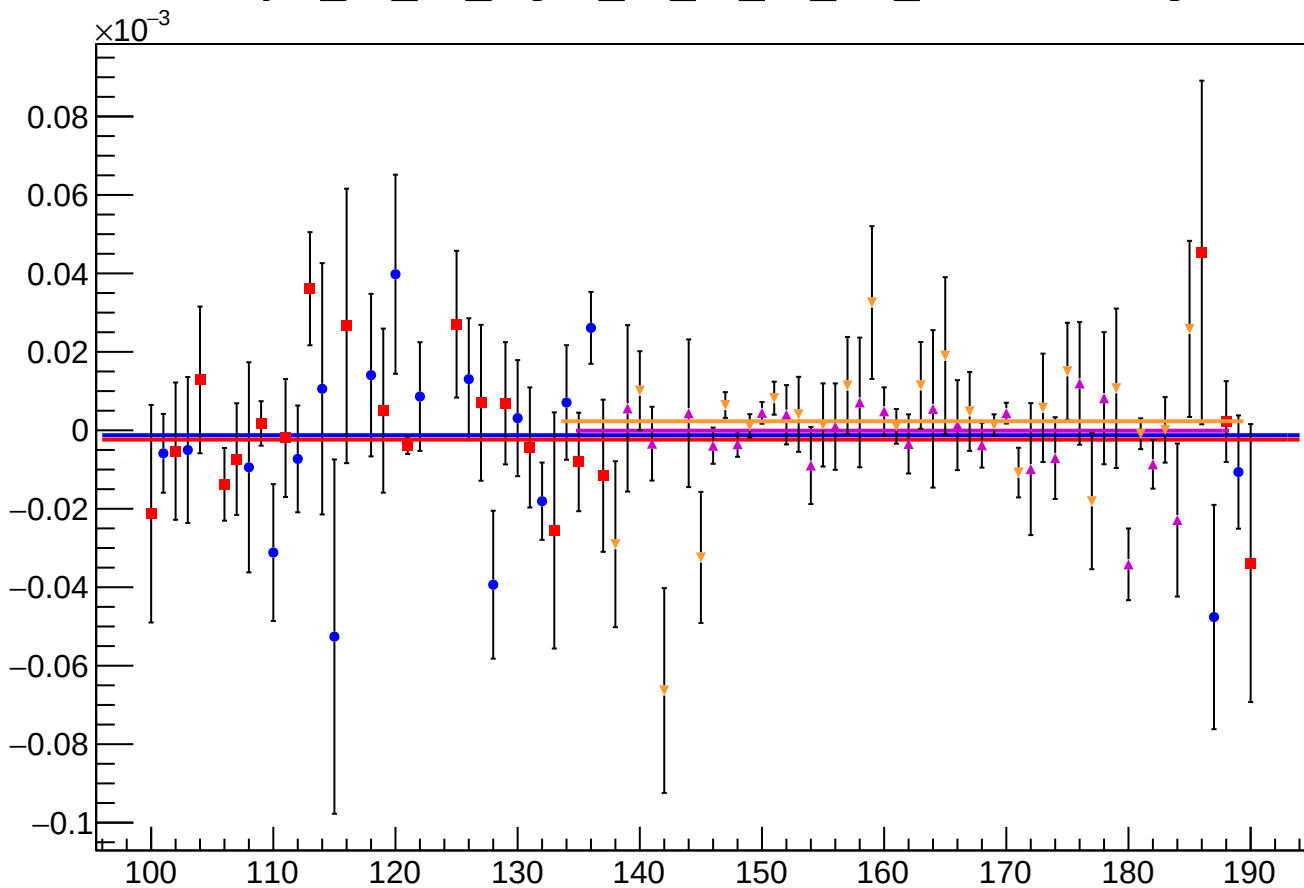
Left In: 296.875 $\pm$ 0.054 χ^2 /NDF: 4917907.0/22

+ sign 156.813 $\pm$ 0.027 χ^2 /NDF: 18007912.2/42

All: 145.798 $\pm$ 0.018 χ^2 /NDF: 37183896.1/87

- sign 137.119 $\pm$ 0.024 χ^2 /NDF: 18871350.9/44

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 28.8/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 31.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.0/20

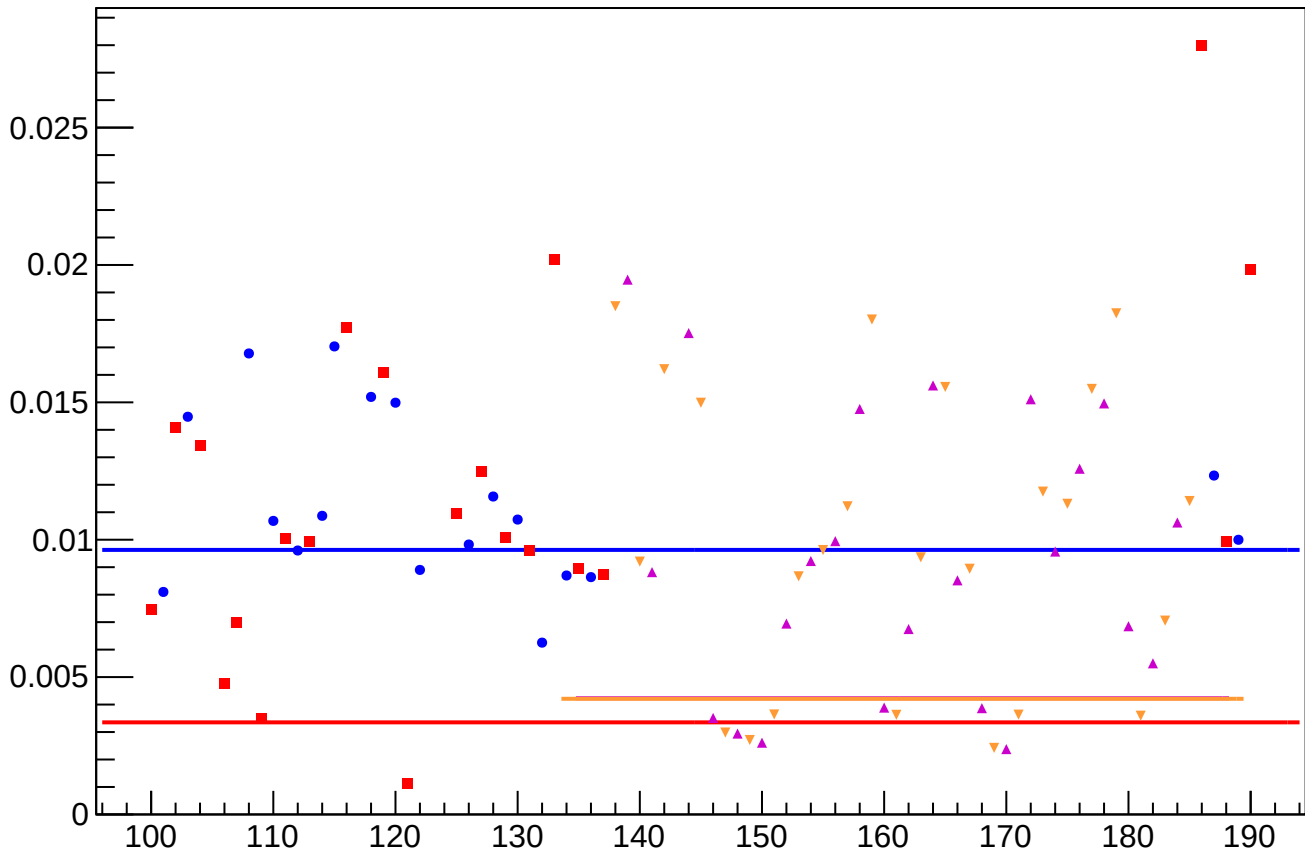
Left In: -0.000 ± 0.000 χ^2/NDF : 29.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 60.8/41

All: 0.000 ± 0.000 χ^2/NDF : 112.1/85

- sign -0.000 ± 0.000 χ^2/NDF : 48.1/43

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 945959.5/17

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:12078055.5/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10051854.0/20

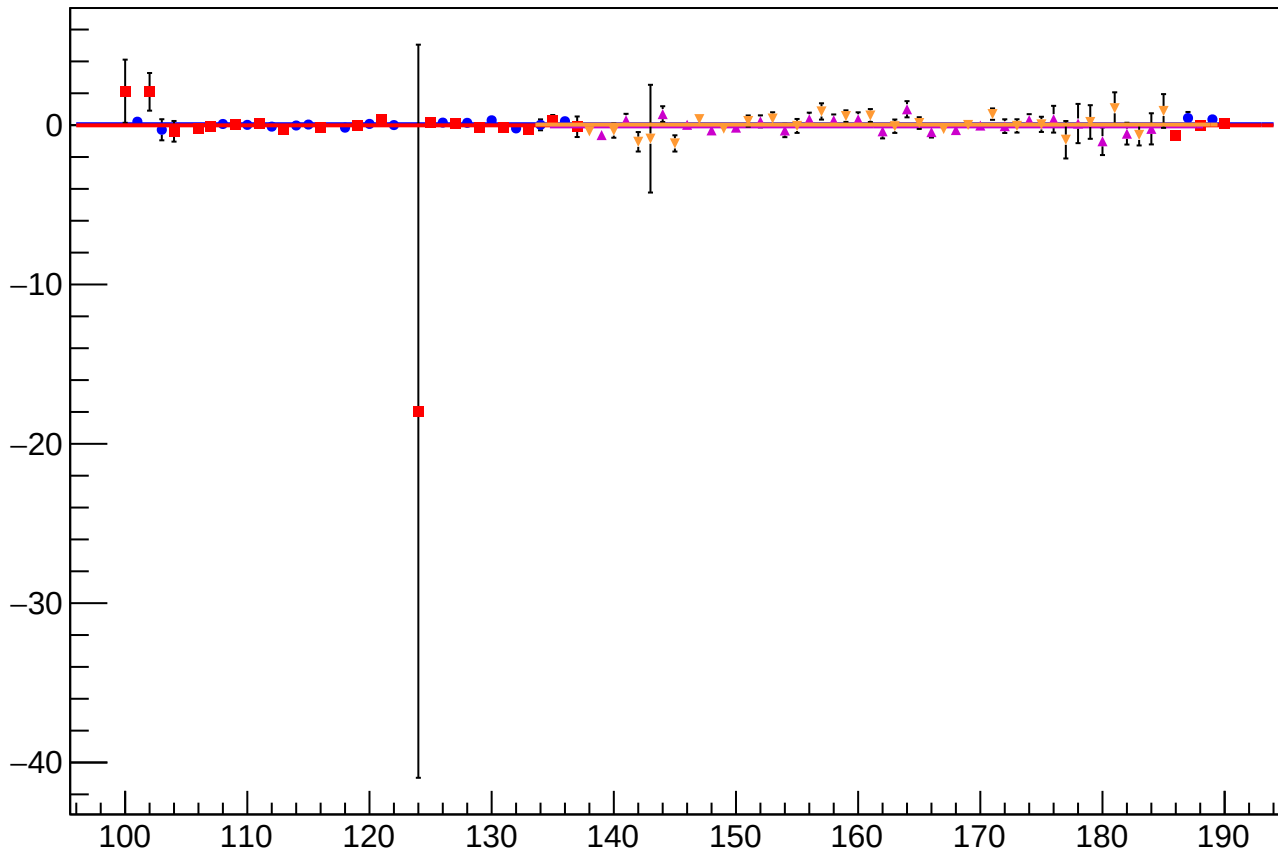
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:11034220.9/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 17103734.5/41

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 39107031.5/85

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 21403879.6/43

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.058 ± 0.043 χ^2/NDF : 13.9/17

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: -0.011 ± 0.037 χ^2/NDF : 28.4/21

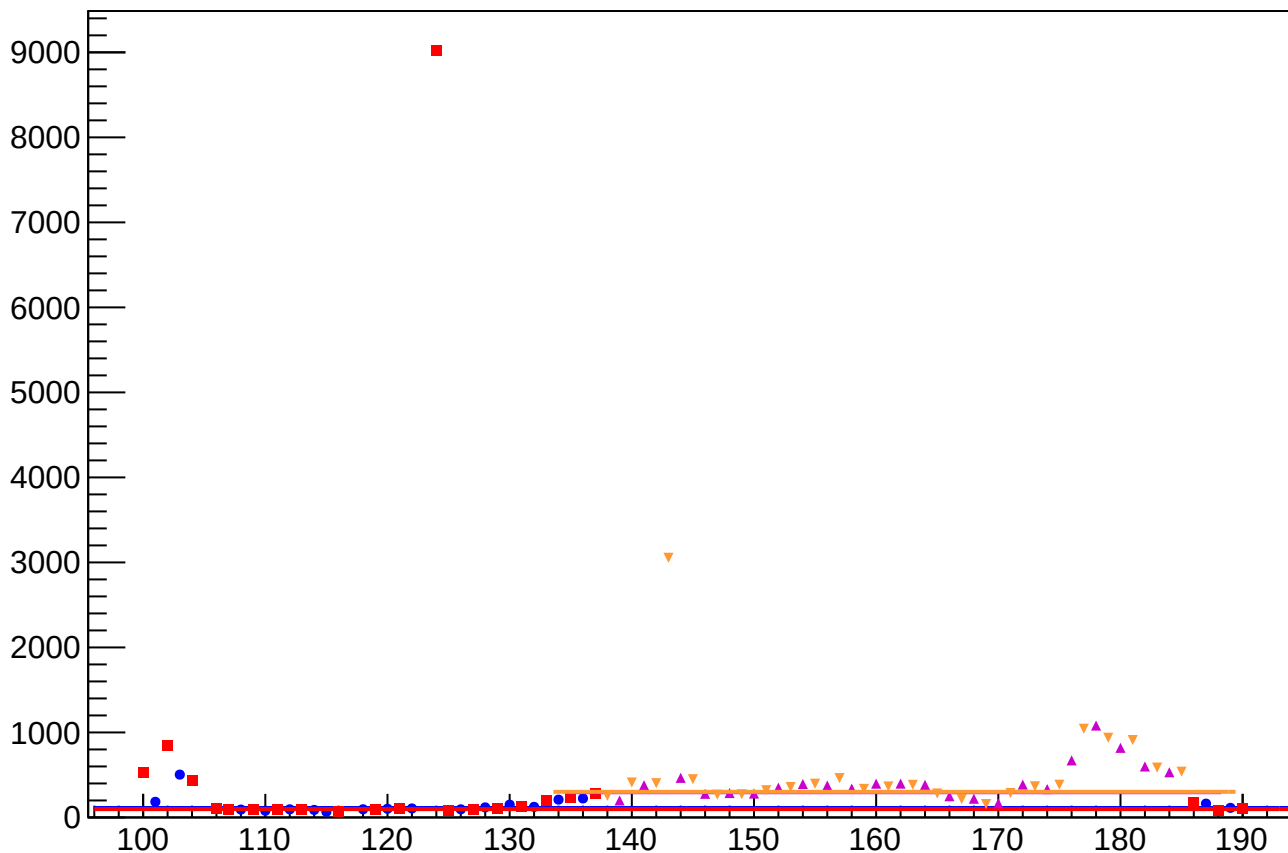
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.053 ± 0.038 χ^2/NDF : 43.6/42

All: 0.010 ± 0.025 χ^2/NDF : 99.1/87

- sign -0.024 ± 0.033 χ^2/NDF : 53.1/44

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 110.889+/-0.031 χ^2/NDF : 1968298.5/17

Left Out: 301.737+/-0.054 χ^2/NDF : 6693577.7/24

Right Out: 98.267+/-0.026 χ^2/NDF : 2890787.7/21

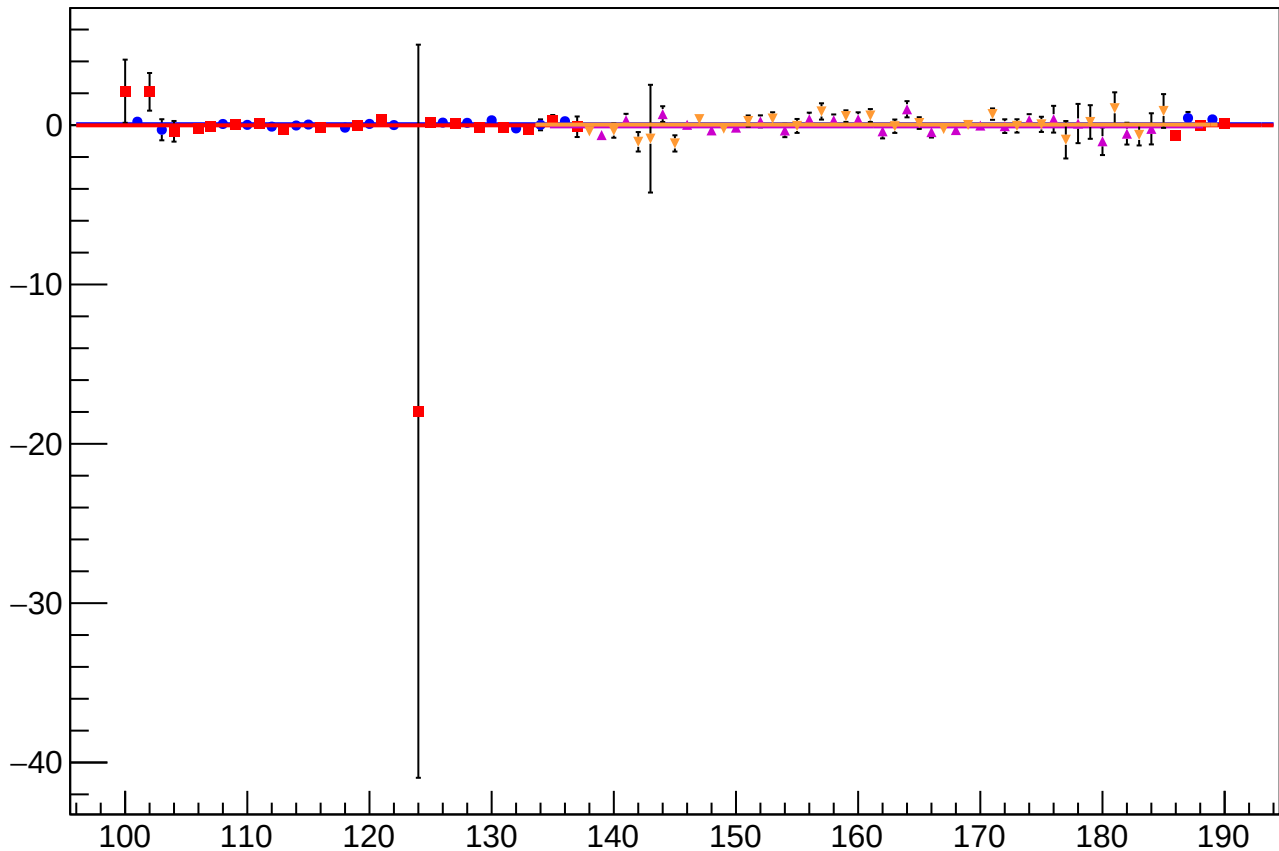
Left In: 296.878+/-0.054 χ^2/NDF : 4917864.1/22

+ sign 156.813+/-0.027 χ^2/NDF : 18007953.0/42

All: 145.798+/-0.018 χ^2/NDF : 37183836.1/87

- sign 137.120+/-0.024 χ^2/NDF : 18871265.5/44

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.058 ± 0.043 χ^2/NDF : 13.9/17

Left Out: 0.036 ± 0.077 χ^2/NDF : 29.7/24

Right Out: -0.011 ± 0.037 χ^2/NDF : 28.4/21

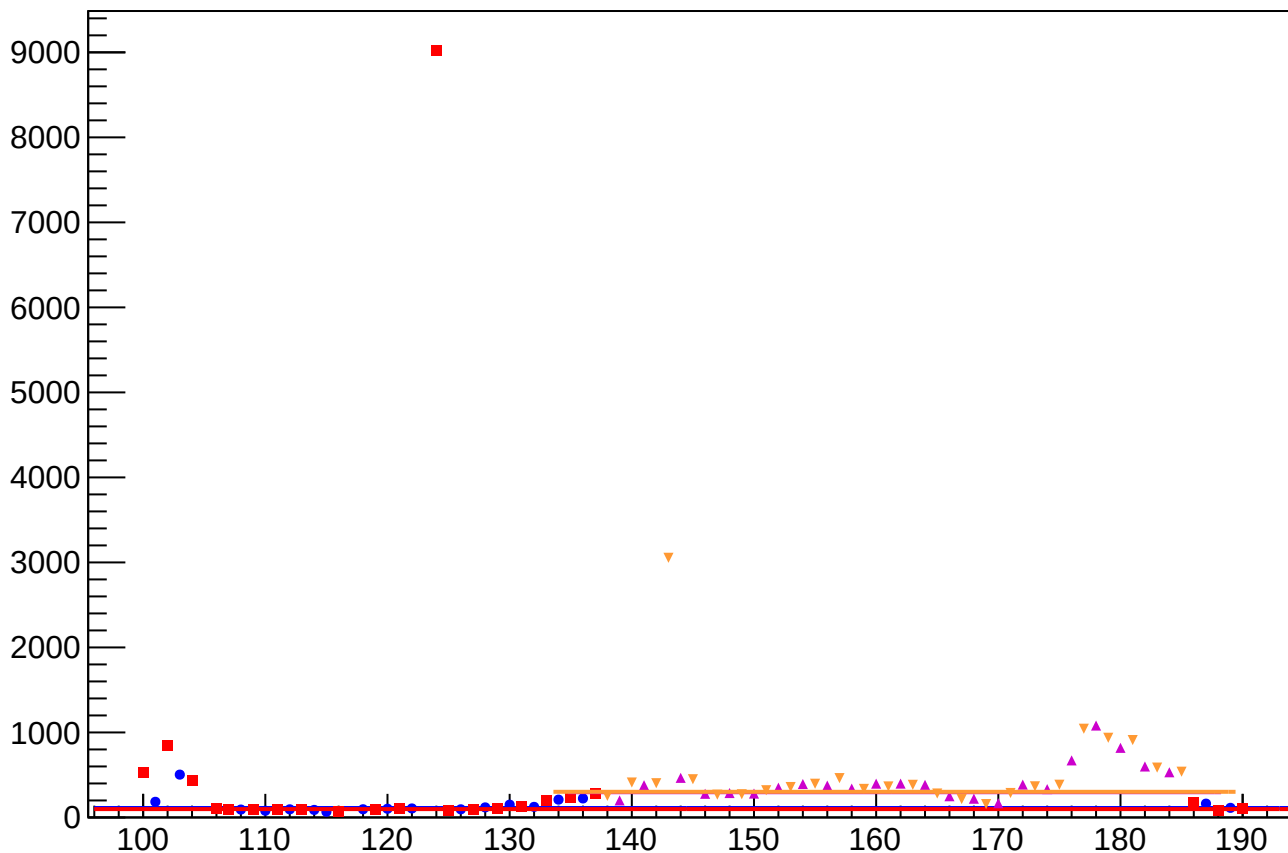
Left In: -0.078 ± 0.076 χ^2/NDF : 24.1/22

+ sign 0.053 ± 0.038 χ^2/NDF : 43.6/42

All: 0.010 ± 0.025 χ^2/NDF : 99.1/87

- sign -0.024 ± 0.033 χ^2/NDF : 53.1/44

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 110.889 $\pm$ 0.031 χ^2 /NDF: 1968298.5/17

Left Out: 301.737 $\pm$ 0.054 χ^2 /NDF: 6693577.7/24

Right Out: 98.267 $\pm$ 0.026 χ^2 /NDF: 2890787.7/21

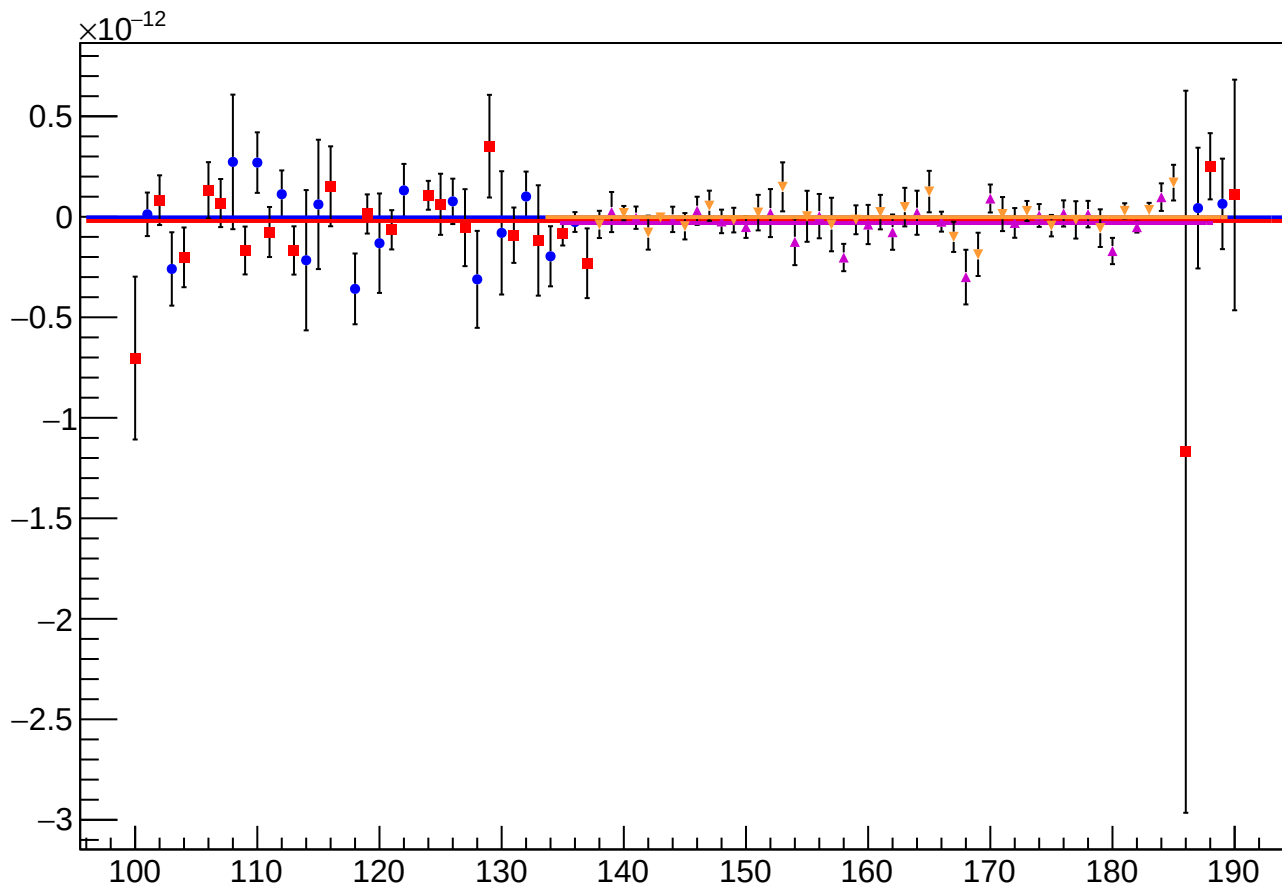
Left In: 296.878 $\pm$ 0.054 χ^2 /NDF: 4917864.1/22

+ sign 156.813 $\pm$ 0.027 χ^2 /NDF: 18007953.0/42

All: 145.798 $\pm$ 0.018 χ^2 /NDF: 37183836.1/87

- sign 137.120 $\pm$ 0.024 χ^2 /NDF: 18871265.5/44

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.6/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 17.7/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 22.9/21

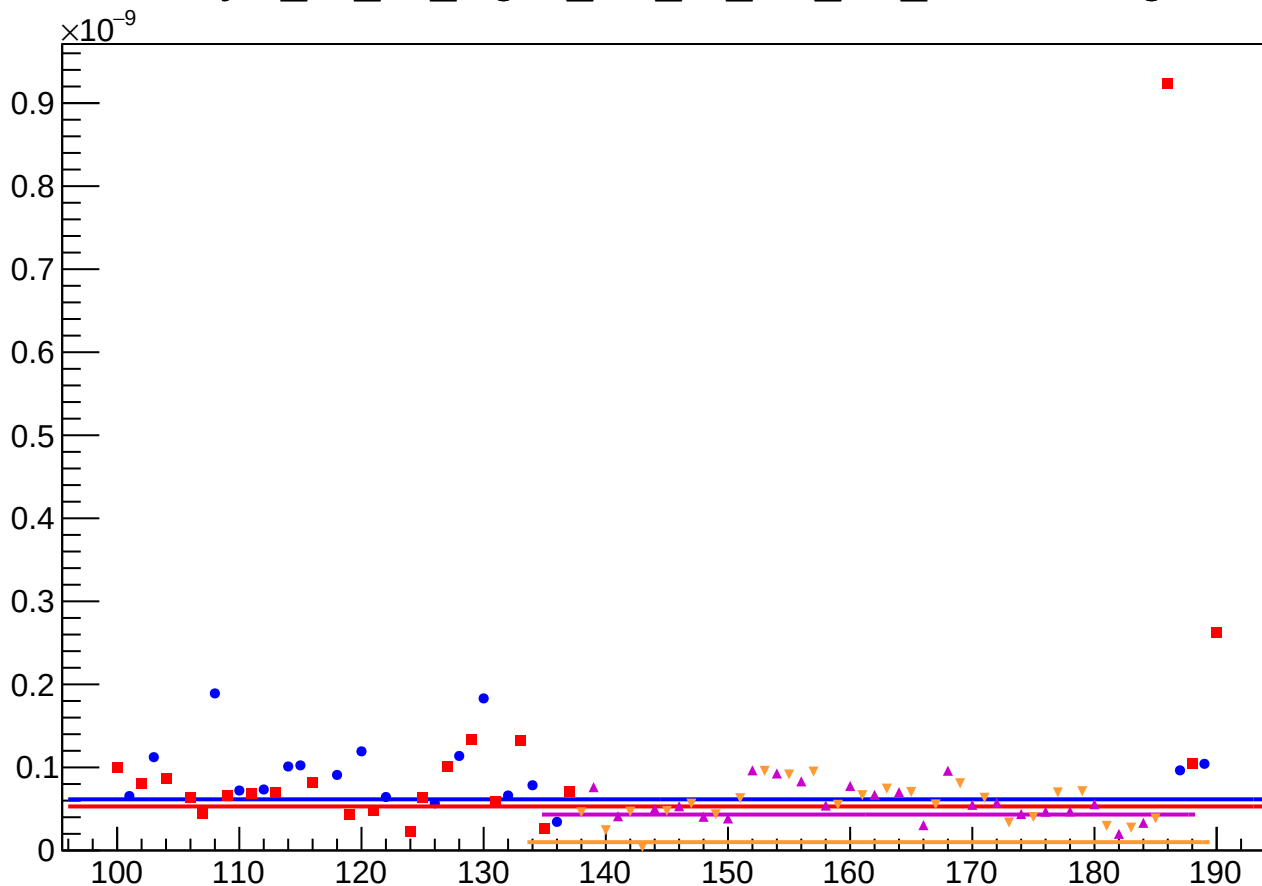
Left In: -0.000 ± 0.000 χ^2/NDF : 26.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 35.3/42

All: -0.000 ± 0.000 χ^2/NDF : 89.1/87

- sign -0.000 ± 0.000 χ^2/NDF : 49.4/44

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1848325.4/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 18523402.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 2611721.9/21

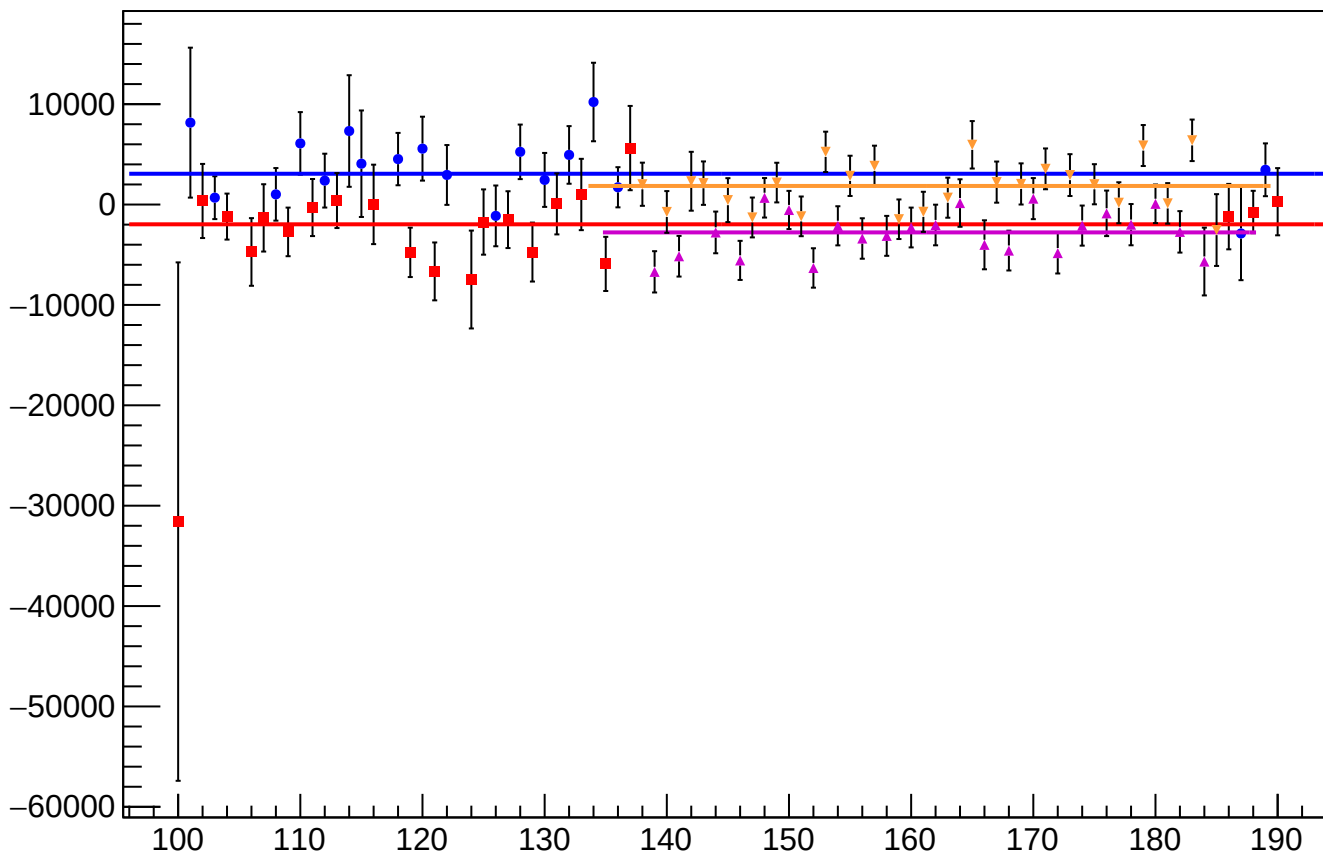
Left In: 0.000 ± 0.000 χ^2/NDF : 4049081.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 25668929.0/42

All: 0.000 ± 0.000 χ^2/NDF : 46216100.2/87

- sign 0.000 ± 0.000 χ^2/NDF : 6873698.9/44

reg_asym_atr_avg_mean vs Slug



Right In: 3067.415 ± 696.498 χ^2/NDF : 13.4/17

Left Out: 1851.999 ± 420.006 χ^2/NDF : 31.5/24

Right Out: -1968.923 ± 647.294 χ^2/NDF : 17.5/21

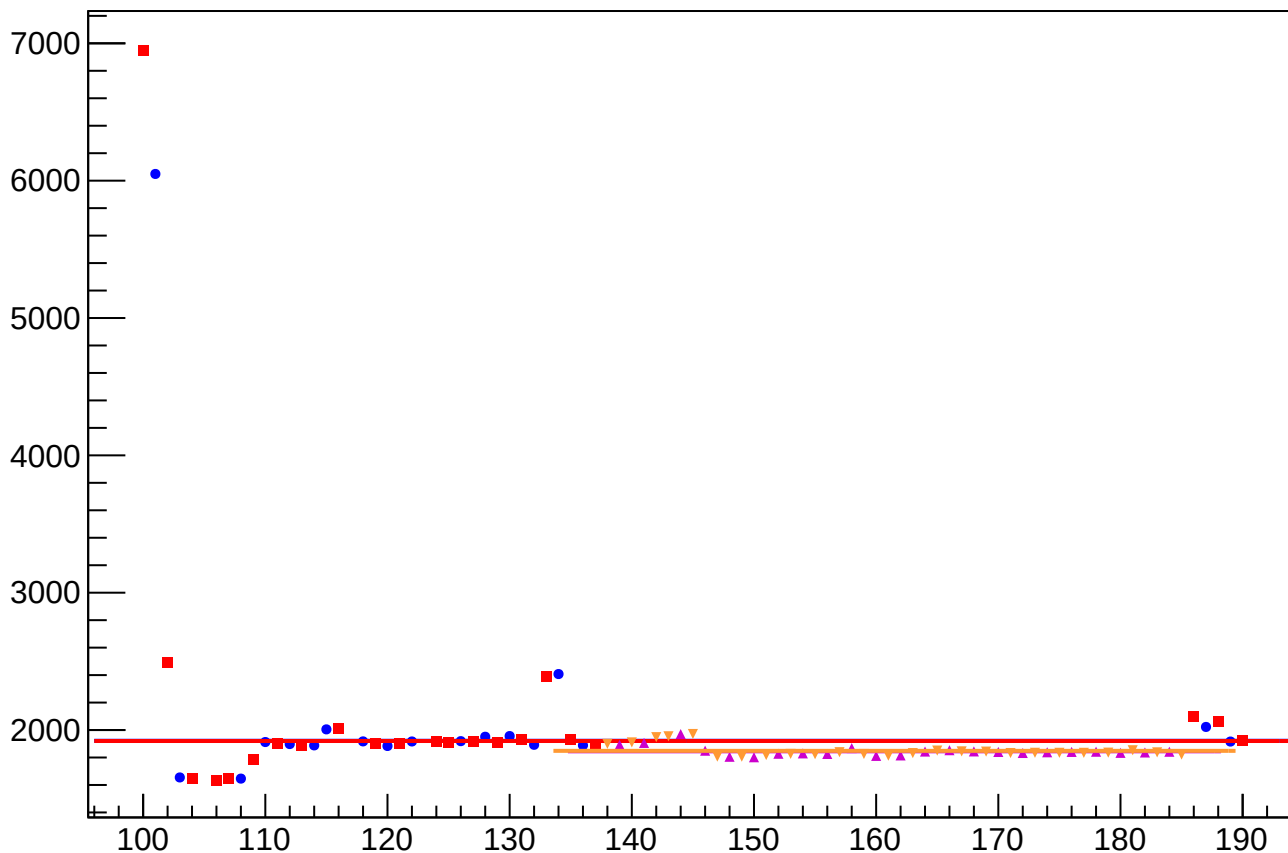
Left In: -2775.769 ± 430.870 χ^2/NDF : 25.4/22

+ sign 2176.112 ± 359.671 χ^2/NDF : 47.1/42

All: -182.492 ± 253.973 χ^2/NDF : 176.9/87

- sign -2528.034 ± 358.674 χ^2/NDF : 44.0/44

reg_asym_atr_avg_rms vs Slug



Right In: 1921.874+/-0.492 χ^2/NDF : 698293.0/17

Left Out: 1848.522+/-0.297 χ^2/NDF : 20886.6/24

Right Out: 1920.138+/-0.456 χ^2/NDF : 239813.9/21

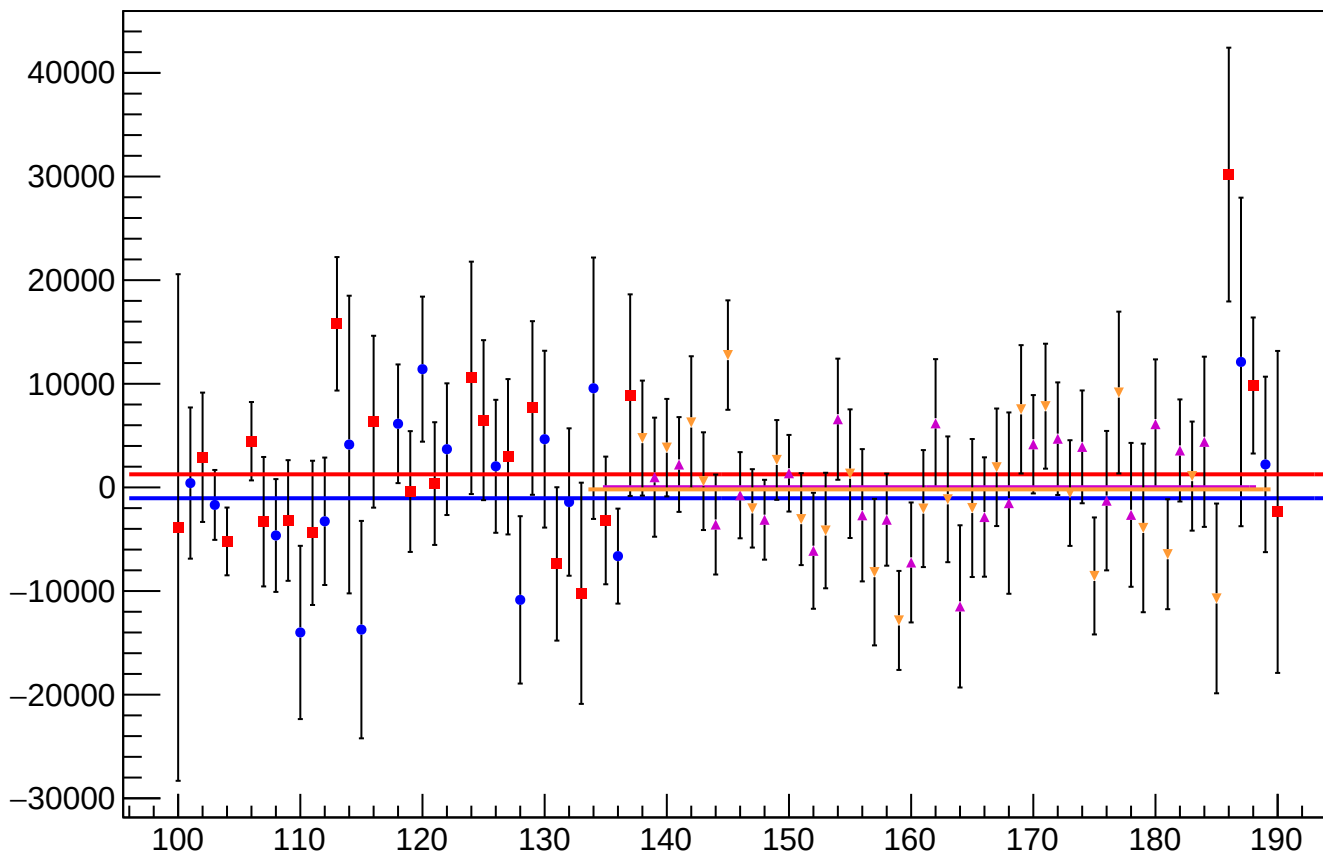
Left In: 1845.061+/-0.305 χ^2/NDF : 14026.0/22

+ sign 1868.082+/-0.254 χ^2/NDF : 735447.0/42

All: 1868.144+/-0.180 χ^2/NDF : 1008005.9/87

- sign 1868.205+/-0.253 χ^2/NDF : 272558.9/44

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1044.479 ± 1550.869 χ^2/NDF : 15.1/17

Left Out: -189.458 ± 1088.618 χ^2/NDF : 28.9/24

Right Out: 1263.713 ± 1389.456 χ^2/NDF : 24.9/21

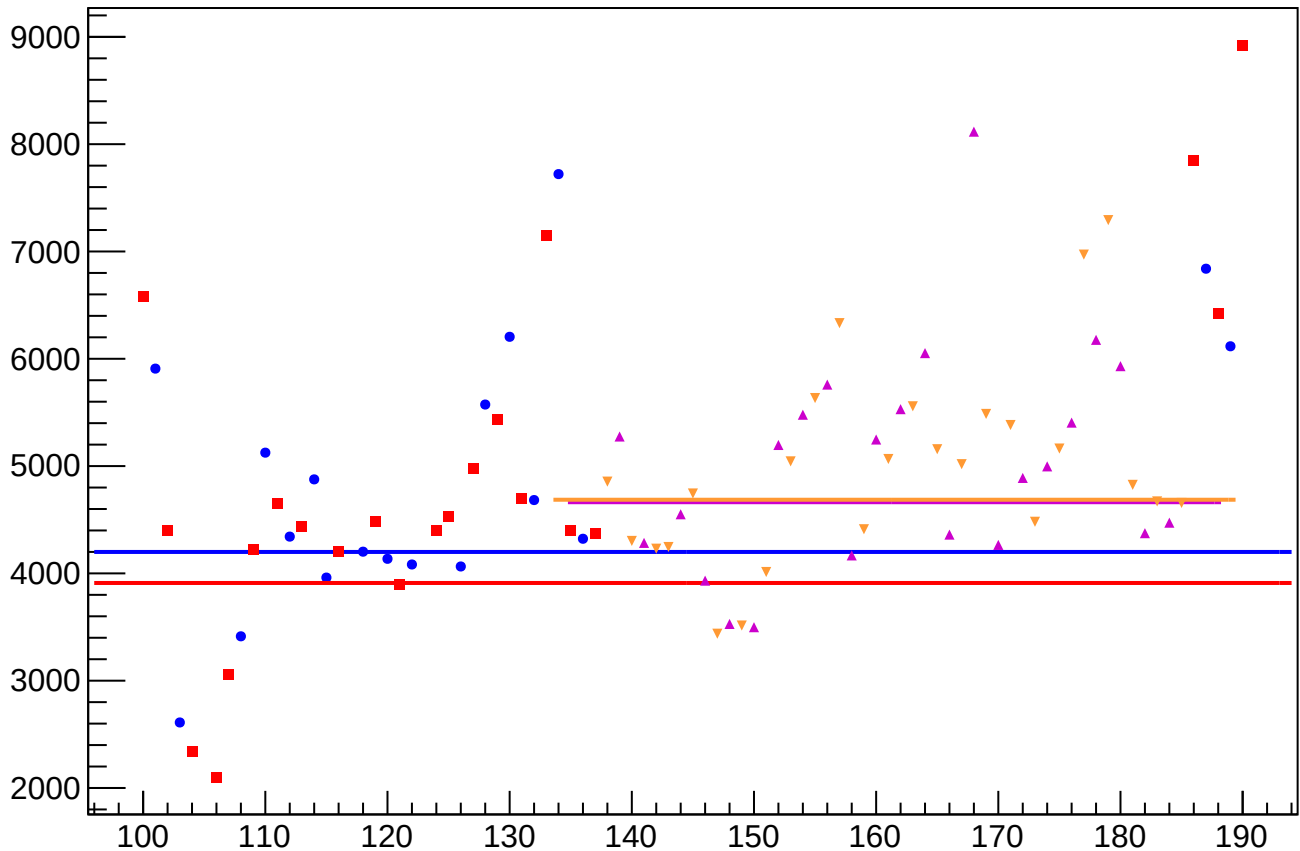
Left In: 19.391 ± 1112.574 χ^2/NDF : 13.7/22

+ sign -471.685 ± 891.018 χ^2/NDF : 44.2/42

All: 29.439 ± 621.918 χ^2/NDF : 84.0/87

- sign 505.517 ± 868.466 χ^2/NDF : 39.1/44

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4199.759+/-1.097 χ^2/NDF : 1121068.6/17

Left Out: 4686.353+/-0.770 χ^2/NDF : 1185063.7/24

Right Out: 3910.616+/-0.982 χ^2/NDF : 2108621.7/21

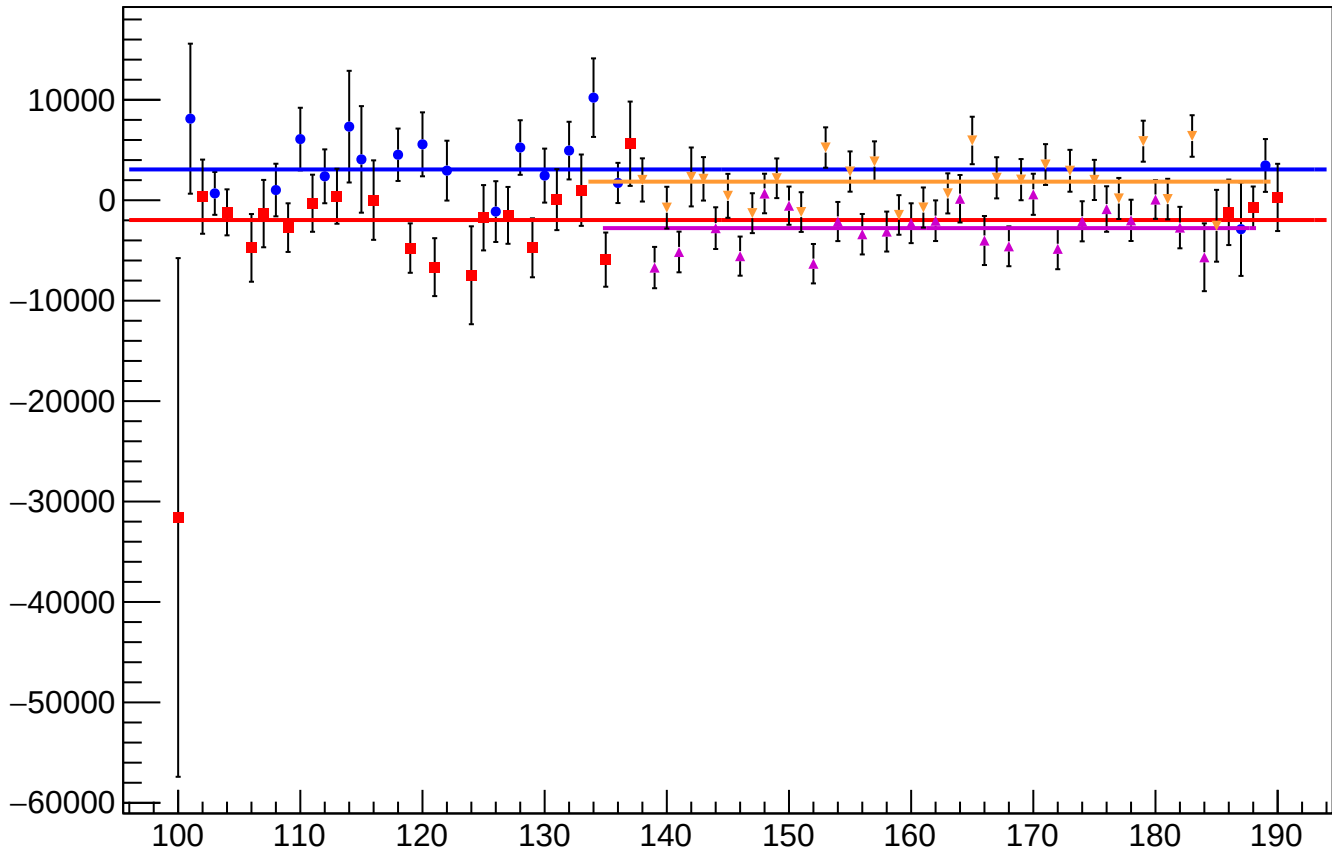
Left In: 4663.272+/-0.787 χ^2/NDF : 1286726.4/22

+ sign 4525.737+/-0.630 χ^2/NDF : 2438029.3/42

All: 4445.477+/-0.440 χ^2/NDF : 6222608.6/87

- sign 4369.228+/-0.614 χ^2/NDF : 3752934.8/44

cor_asym_atr_avg_mean vs Slug



Right In: 3066.781 ± 696.498 $\chi^2/\text{NDF}: 13.4/17$

Left Out: 1851.888 ± 420.006 $\chi^2/\text{NDF}: 31.5/24$

Right Out: -1969.821 ± 647.297 $\chi^2/\text{NDF}: 17.5/21$

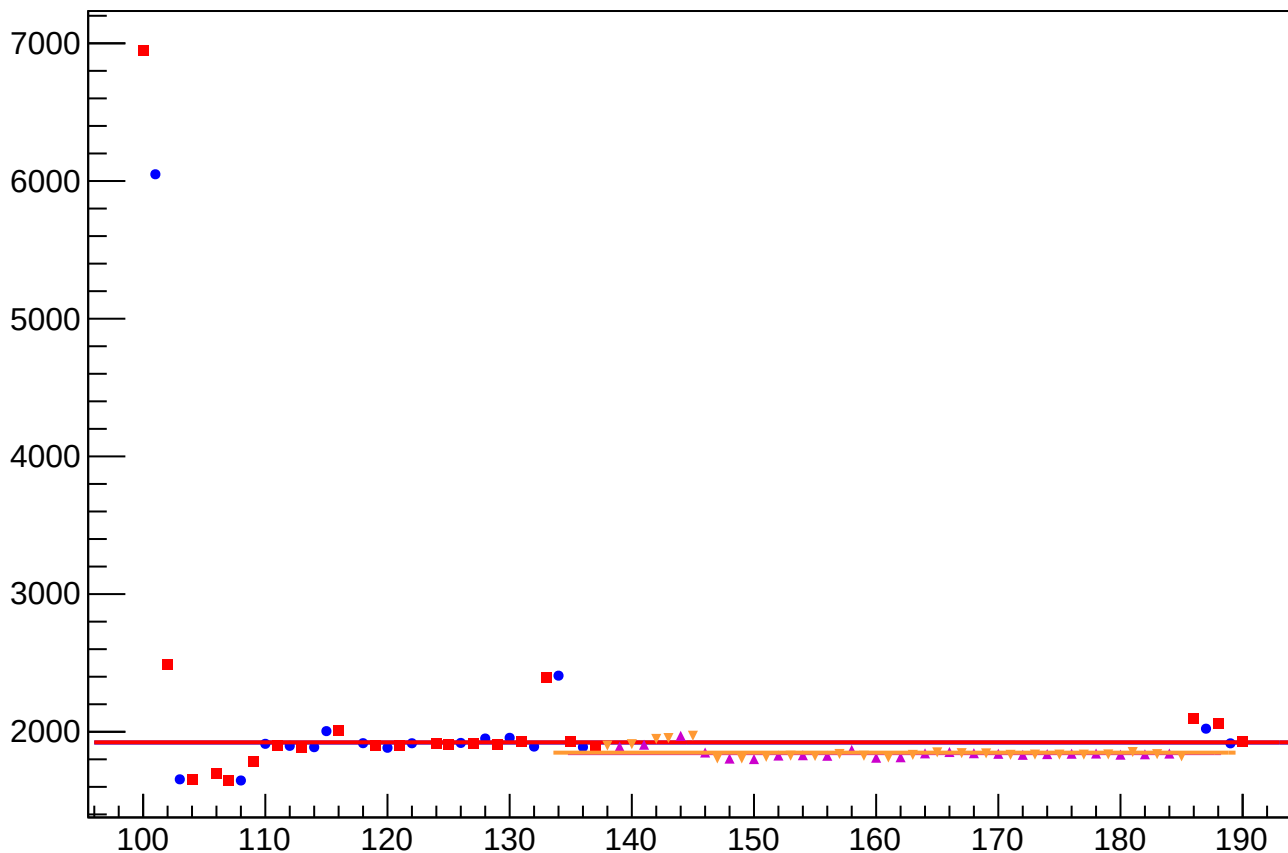
Left In: -2775.745 ± 430.870 $\chi^2/\text{NDF}: 25.4/22$

+ sign 2175.862 ± 359.671 $\chi^2/\text{NDF}: 47.1/42$

All: -182.745 ± 253.973 $\chi^2/\text{NDF}: 176.9/87$

- sign -2528.295 ± 358.674 $\chi^2/\text{NDF}: 44.0/44$

cor_asym_atr_avg_rms vs Slug



Right In: 1921.874+/-0.492 χ^2/NDF : 698292.1/17

Left Out: 1848.522+/-0.297 χ^2/NDF : 20886.6/24

Right Out: 1923.536+/-0.457 χ^2/NDF : 232405.9/21

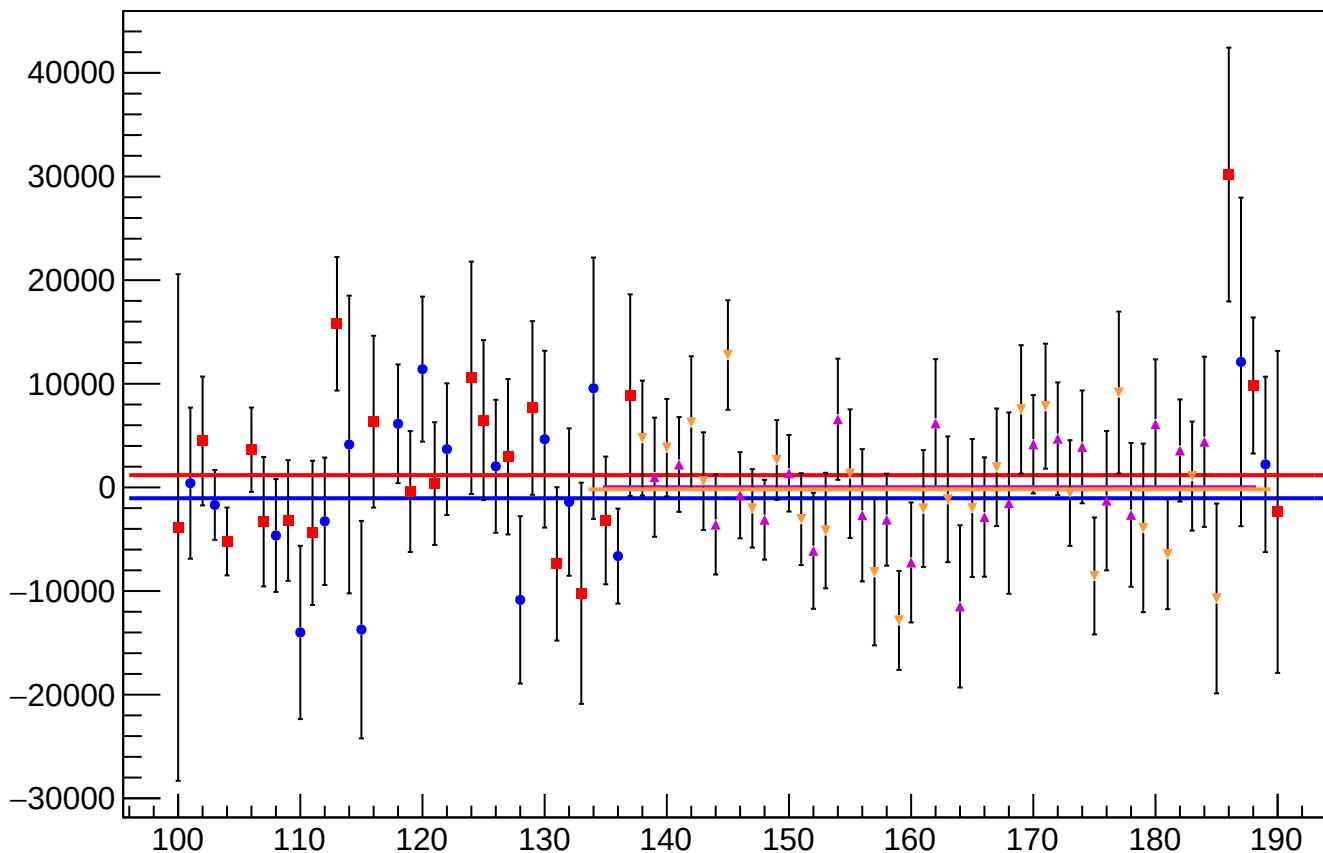
Left In: 1845.061+/-0.305 χ^2/NDF : 14026.0/22

+ sign 1868.083+/-0.254 χ^2/NDF : 735446.2/42

All: 1868.643+/-0.180 χ^2/NDF : 1002295.0/87

- sign 1869.200+/-0.254 χ^2/NDF : 266839.1/44

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1044.824 ± 1550.872 χ^2/NDF : 15.1/17

Left Out: -189.487 ± 1088.617 χ^2/NDF : 28.9/24

Right Out: 1186.958 ± 1402.147 χ^2/NDF : 24.7/21

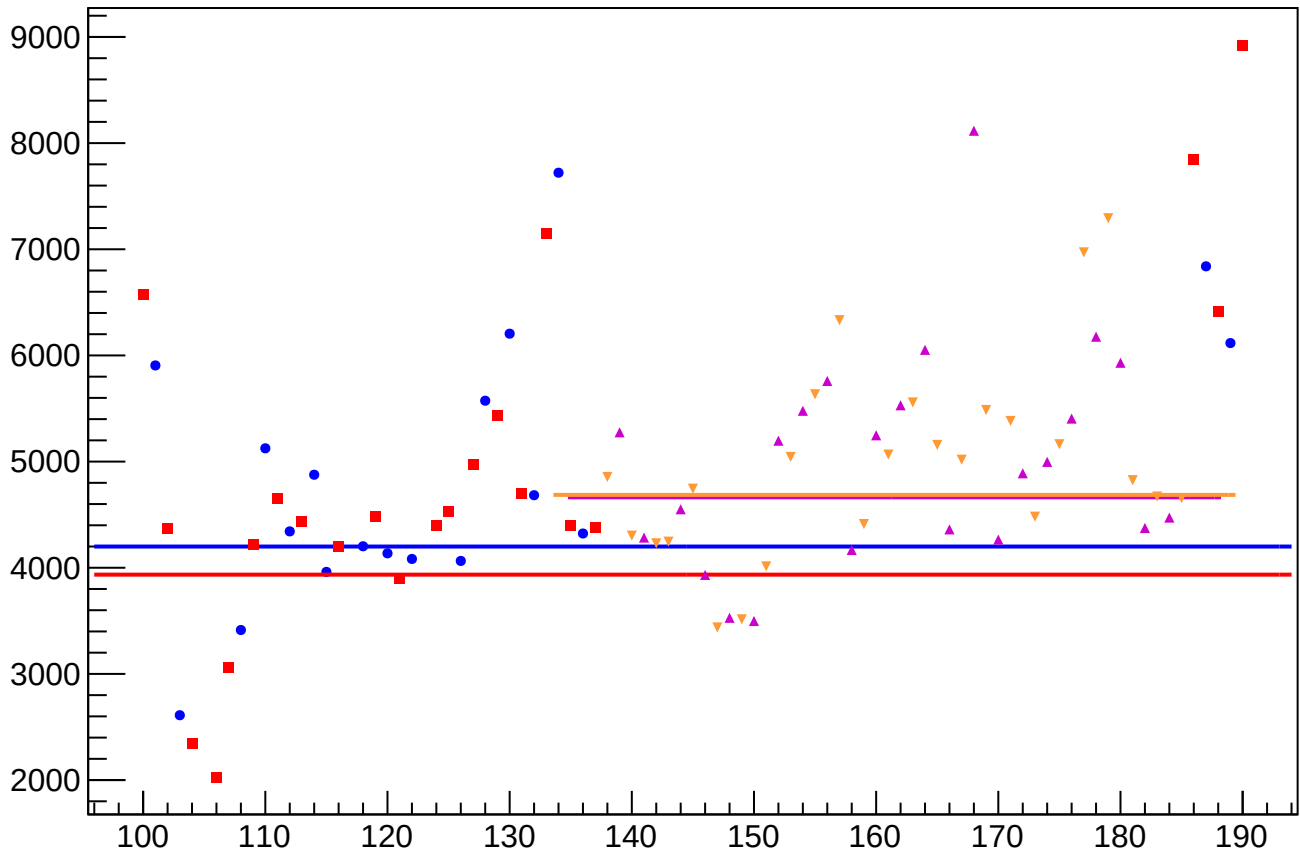
Left In: 19.431 ± 1112.574 χ^2/NDF : 13.7/22

+ sign -471.818 ± 891.018 χ^2/NDF : 44.2/42

All: 9.759 ± 623.044 χ^2/NDF : 83.7/87

- sign 470.512 ± 871.540 χ^2/NDF : 38.9/44

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4199.848 ± 1.097 $\chi^2/\text{NDF}: 1120556.7/17$

Left Out: 4686.346 ± 0.770 $\chi^2/\text{NDF}: 1185089.0/24$

Right Out: 3935.074 ± 0.991 $\chi^2/\text{NDF}: 2076994.4/21$

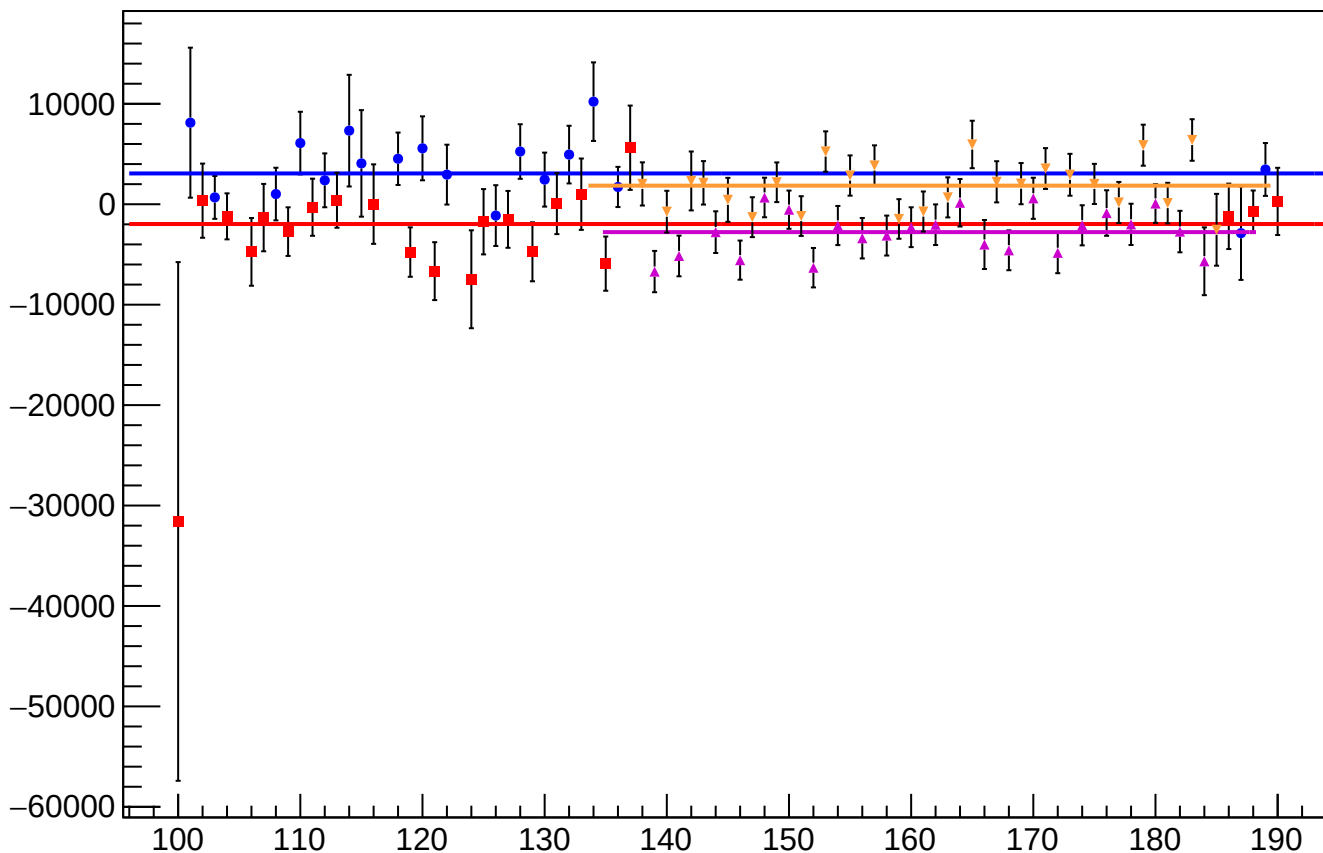
Left In: 4663.273 ± 0.787 $\chi^2/\text{NDF}: 1286722.8/22$

+ sign 4525.762 ± 0.630 $\chi^2/\text{NDF}: 2437490.3/42$

All: 4452.256 ± 0.441 $\chi^2/\text{NDF}: 6158866.5/87$

- sign 4381.929 ± 0.616 $\chi^2/\text{NDF}: 3694742.2/44$

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3066.781 $\pm$ 696.498 χ^2 /NDF: 13.4/17

Left Out: 1851.888 $\pm$ 420.006 χ^2 /NDF:31.5/24

Right Out: -1969.821 $\pm$ 647.297 χ^2 /NDF: 17.5/21

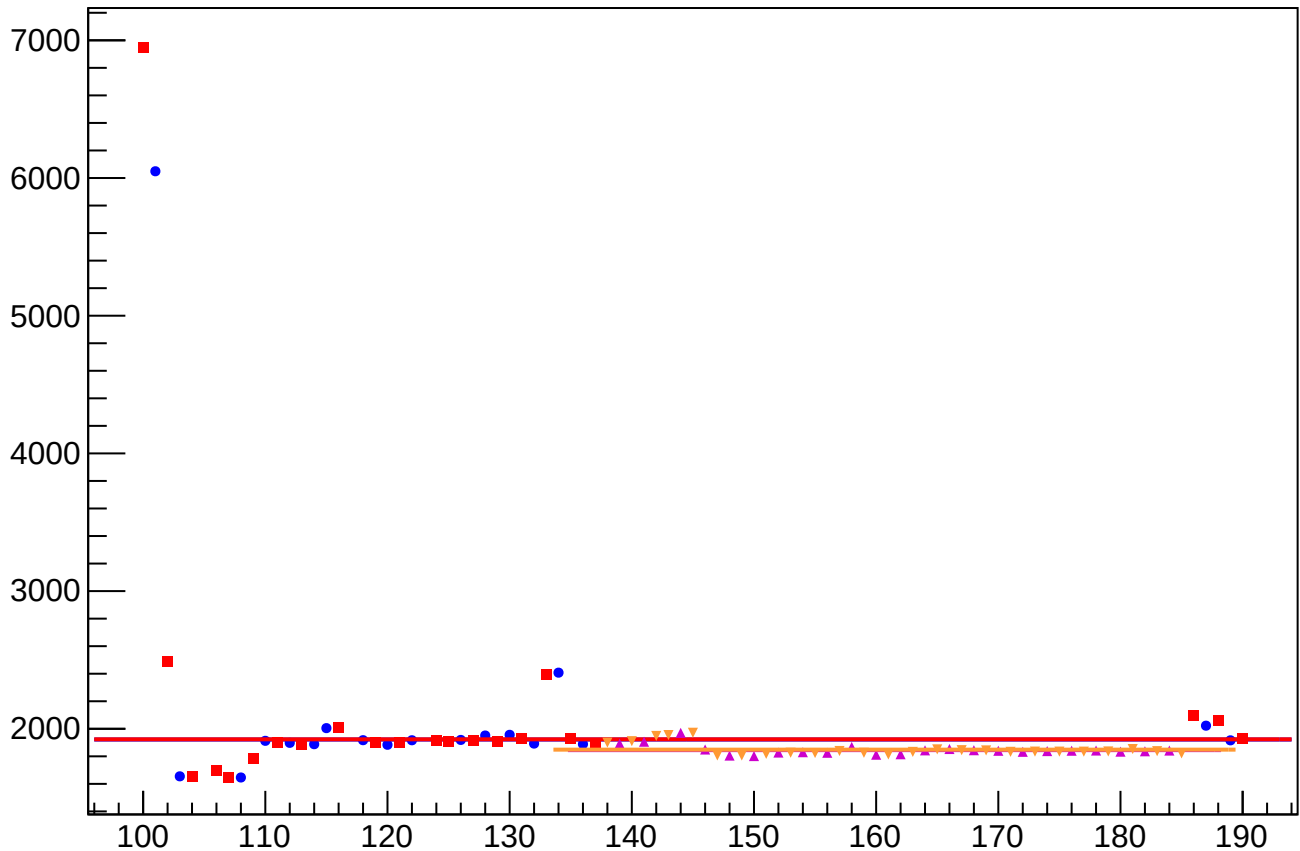
Left In: -2775.745 $\pm$ 430.870 χ^2 /NDF:25.4/22

+ sign 2175.862 $\pm$ 359.671 χ^2 /NDF: 47.1/42

All: -182.745 $\pm$ 253.973 χ^2 /NDF: 176.9/87

- sign -2528.295 $\pm$ 358.674 χ^2 /NDF: 44.0/44

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1921.874 $\pm$ 0.492 χ^2 /NDF: 698292.1/17

Left Out: 1848.522 $\pm$ 0.297 χ^2 /NDF: 20886.6/24

Right Out: 1923.536 $\pm$ 0.457 χ^2 /NDF: 232405.9/21

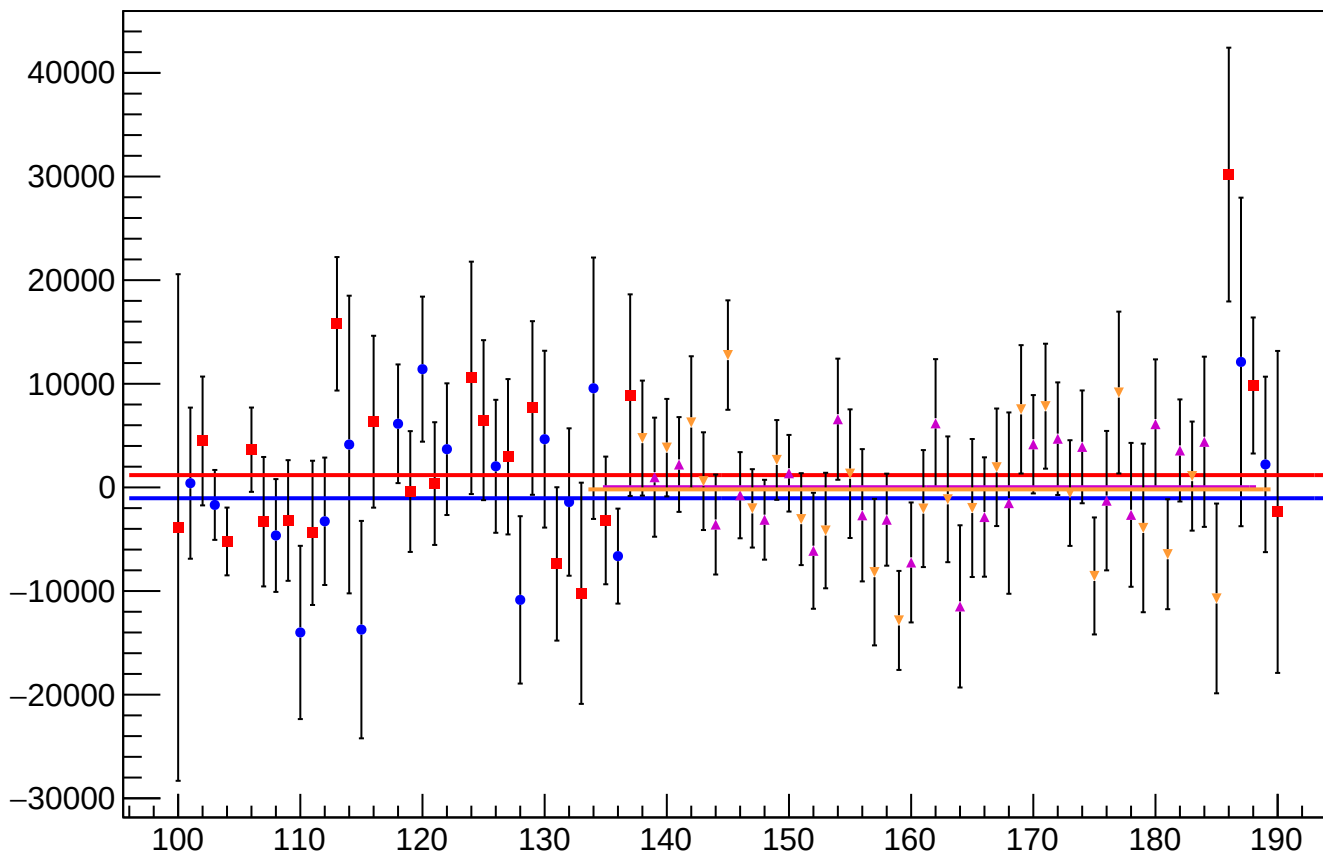
Left In: 1845.061 $\pm$ 0.305 χ^2 /NDF: 14026.0/22

+ sign 1868.083 $\pm$ 0.254 χ^2 /NDF: 735446.2/42

All: 1868.643 $\pm$ 0.180 χ^2 /NDF: 1002295.0/87

- sign 1869.200 $\pm$ 0.254 χ^2 /NDF: 266839.1/44

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -1044.824 ± 1550.872 χ^2/NDF : 15.1/17

Left Out: -189.487 ± 1088.617 χ^2/NDF : 28.9/24

Right Out: 1186.958 ± 1402.147 χ^2/NDF : 24.7/21

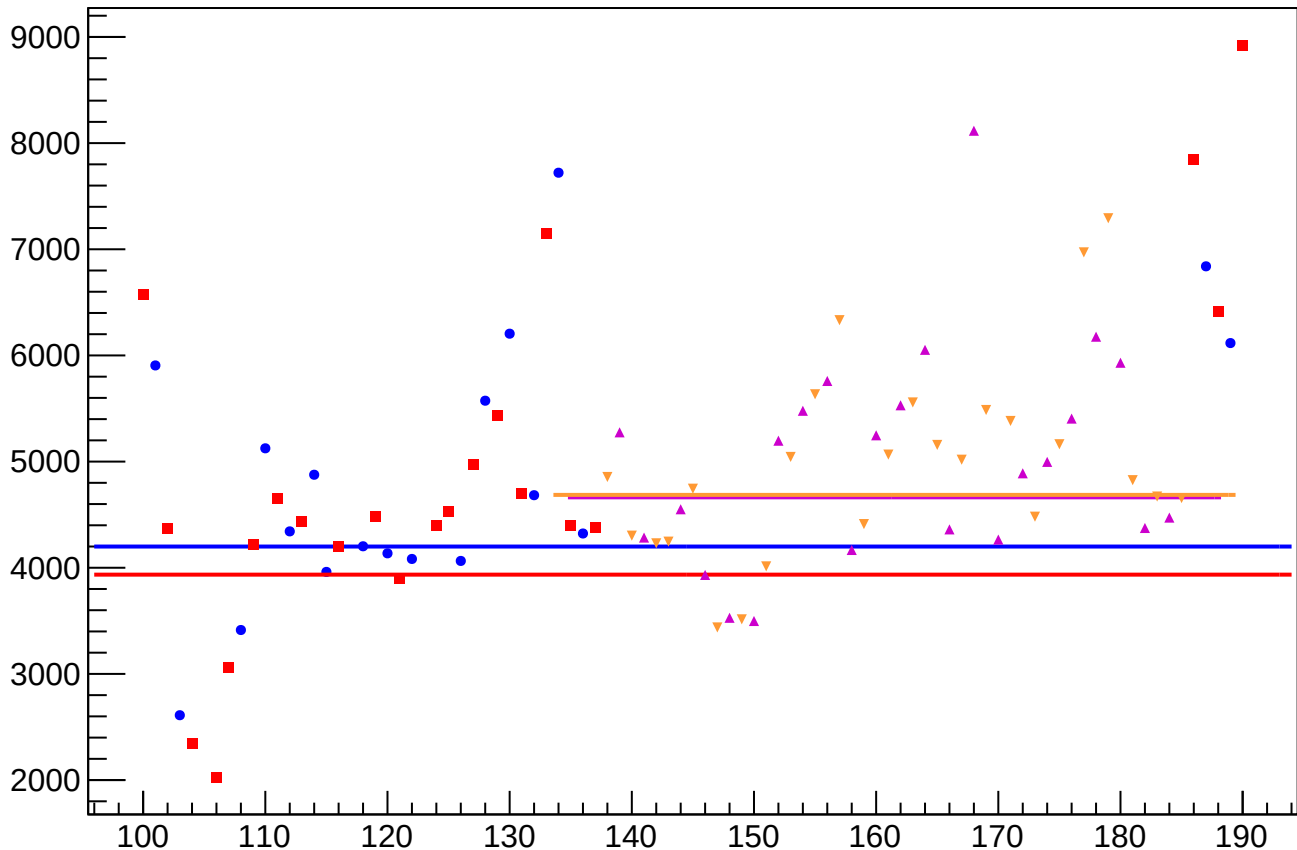
Left In: 19.431 ± 1112.574 χ^2/NDF : 13.7/22

+ sign -471.818 ± 891.018 χ^2/NDF : 44.2/42

All: 9.759 ± 623.044 χ^2/NDF : 83.7/87

- sign 470.512 ± 871.540 χ^2/NDF : 38.9/44

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4199.848 $\pm$ 1.097 χ^2 /NDF: 1120556.7/17

Left Out: 4686.346 $\pm$ 0.770 χ^2 /NDF: 1185089.0/24

Right Out: 3935.074 $\pm$ 0.991 χ^2 /NDF: 2076994.4/21

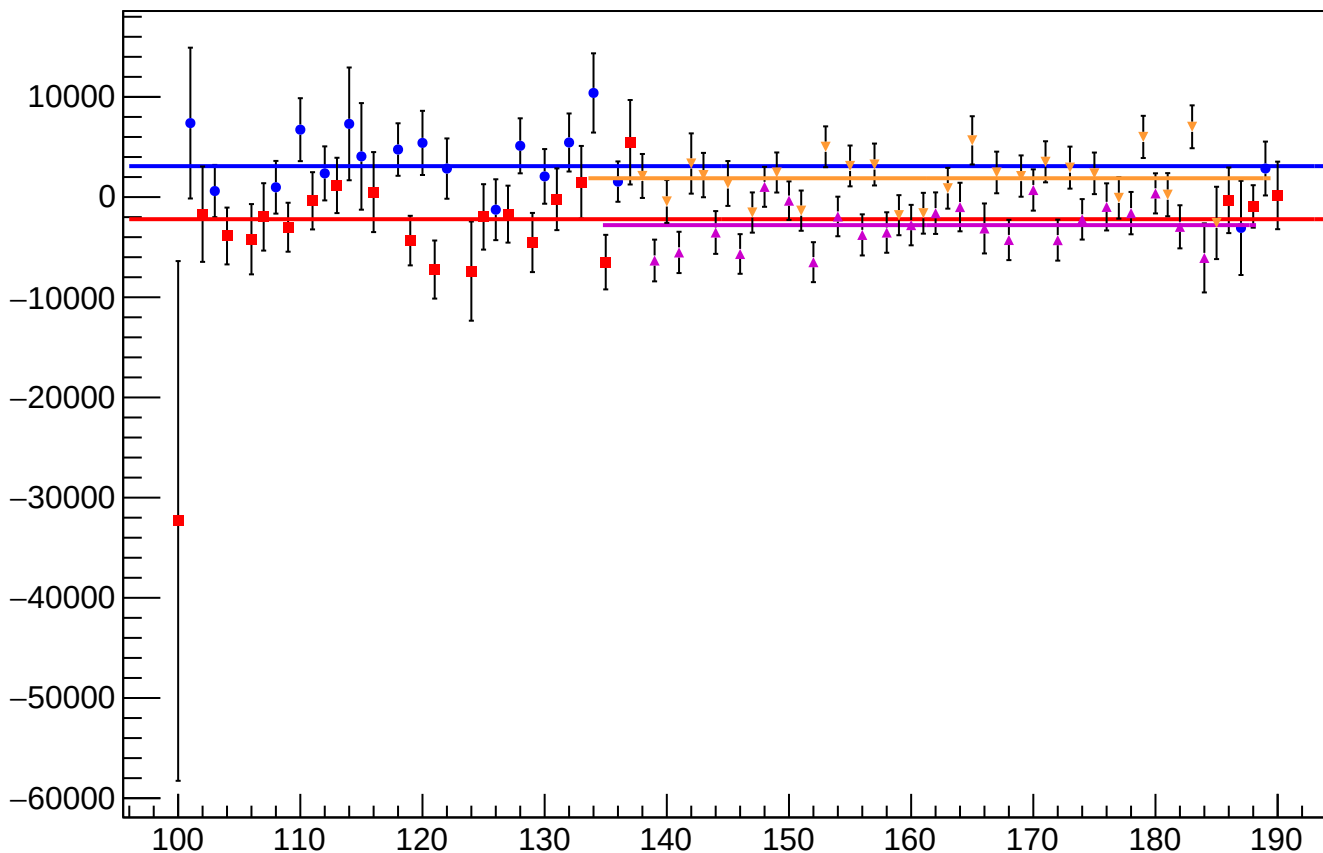
Left In: 4663.273 $\pm$ 0.787 χ^2 /NDF: 1286722.8/22

+ sign 4525.762 $\pm$ 0.630 χ^2 /NDF: 2437490.3/42

All: 4452.256 $\pm$ 0.441 χ^2 /NDF: 6158866.5/87

- sign 4381.929 $\pm$ 0.616 χ^2 /NDF: 3694742.2/44

dit_asym_atr_avg_mean vs Slug



Right In: 3088.915 $\pm$ 714.777 χ^2/NDF : 13.9/17

Left Out: 1880.927 $\pm$ 428.980 χ^2/NDF : 32.9/24

Right Out: -2206.047 $\pm$ 665.854 χ^2/NDF : 18.5/21

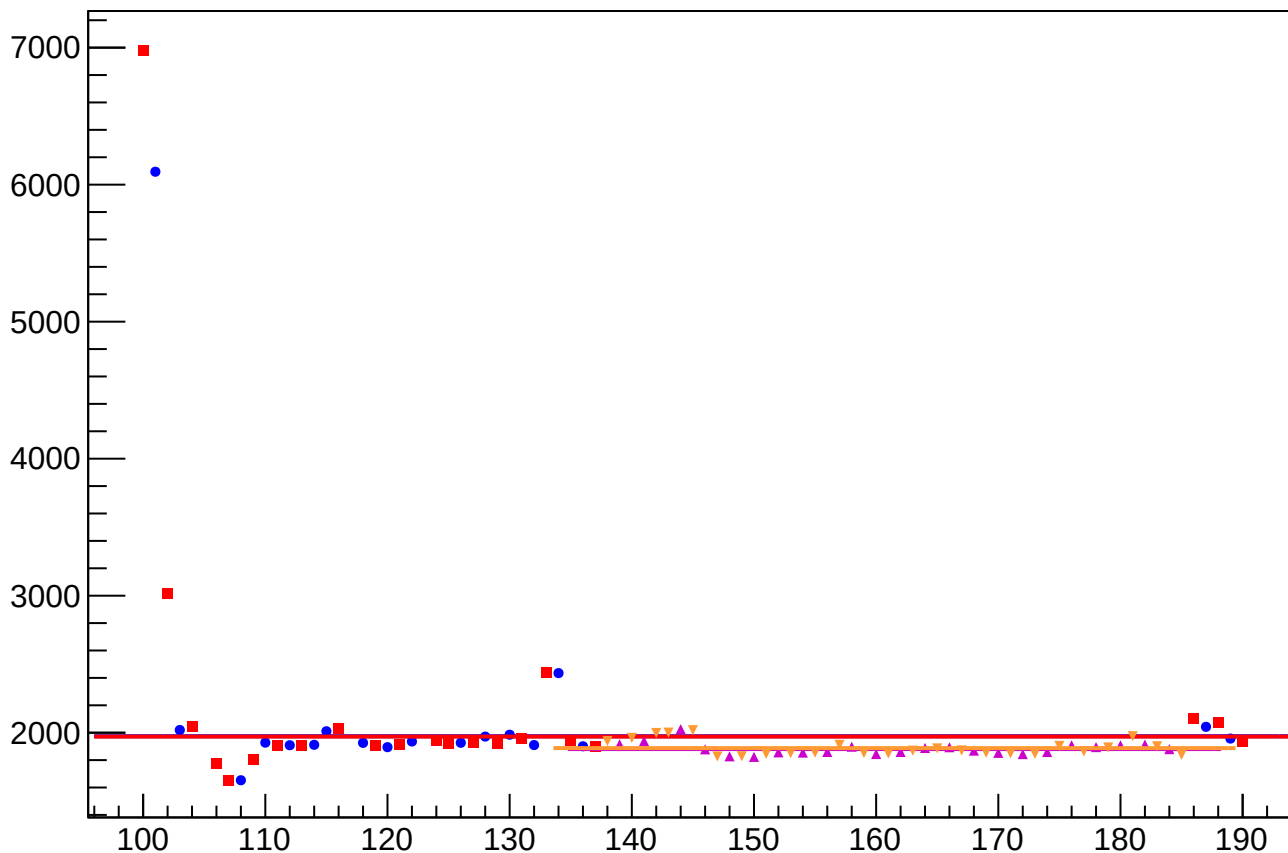
Left In: -2798.435 $\pm$ 439.234 χ^2/NDF : 25.4/22

+ sign 2200.814 $\pm$ 367.822 χ^2/NDF : 49.0/42

All: -216.711 $\pm$ 259.673 χ^2/NDF : 179.5/87

- sign -2618.819 $\pm$ 366.647 χ^2/NDF : 44.4/44

dit_asym_atr_avg_rms vs Slug



Right In: 1974.172 $\pm$ 0.505 χ^2 /NDF: 665632.7/17

Left Out: 1887.545 $\pm$ 0.303 χ^2 /NDF: 31955.7/24

Right Out: 1971.780 $\pm$ 0.470 χ^2 /NDF: 255506.2/21

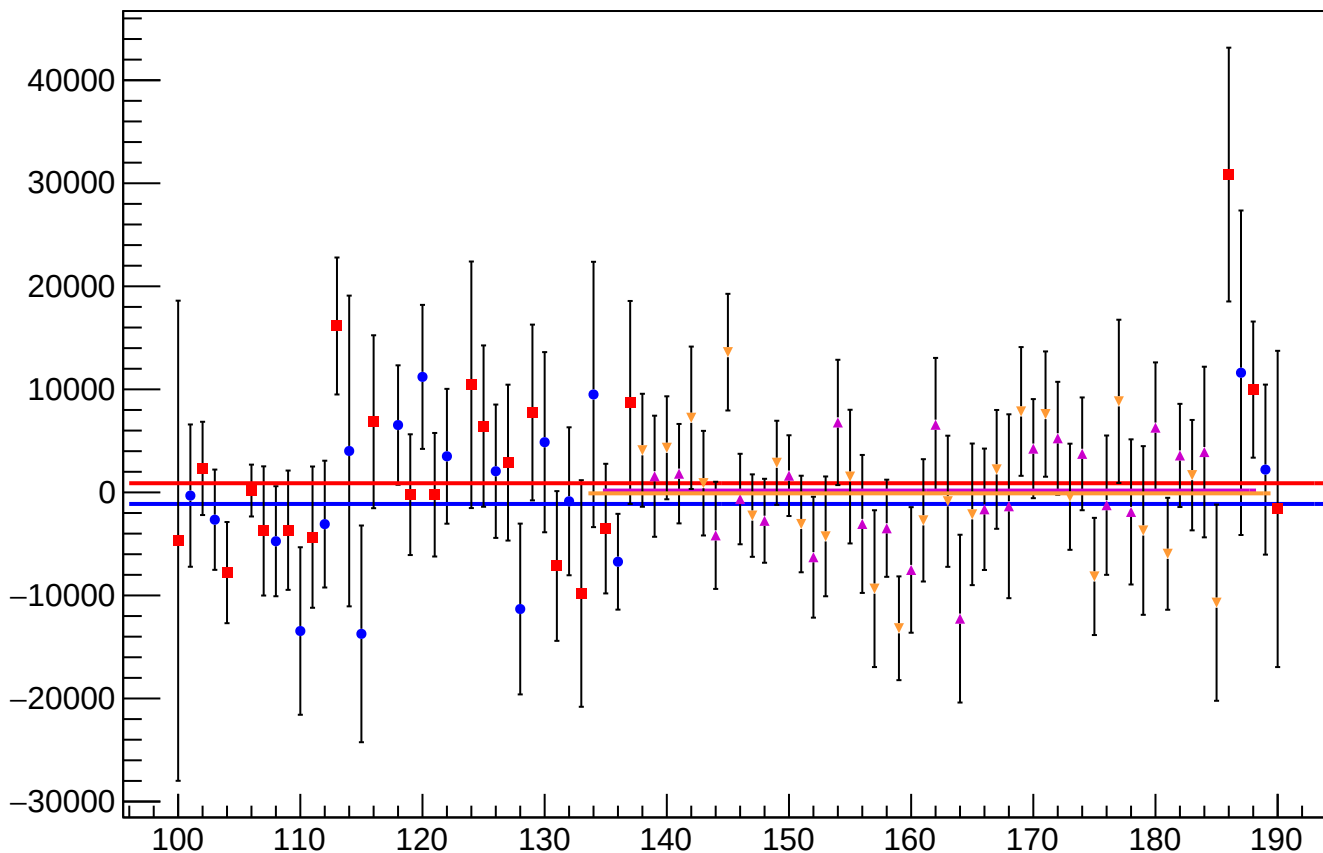
Left In: 1880.575 $\pm$ 0.311 χ^2 /NDF: 19037.6/22

+ sign 1910.485 $\pm$ 0.260 χ^2 /NDF: 719185.4/42

All: 1909.367 $\pm$ 0.184 χ^2 /NDF: 1019939.1/87

- sign 1908.257 $\pm$ 0.259 χ^2 /NDF: 300716.8/44

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1120.884 ± 1646.535 χ^2/NDF : 15.1/17

Left Out: -91.889 ± 1133.233 χ^2/NDF : 28.1/24

Right Out: 889.994 ± 1322.759 χ^2/NDF : 23.9/21

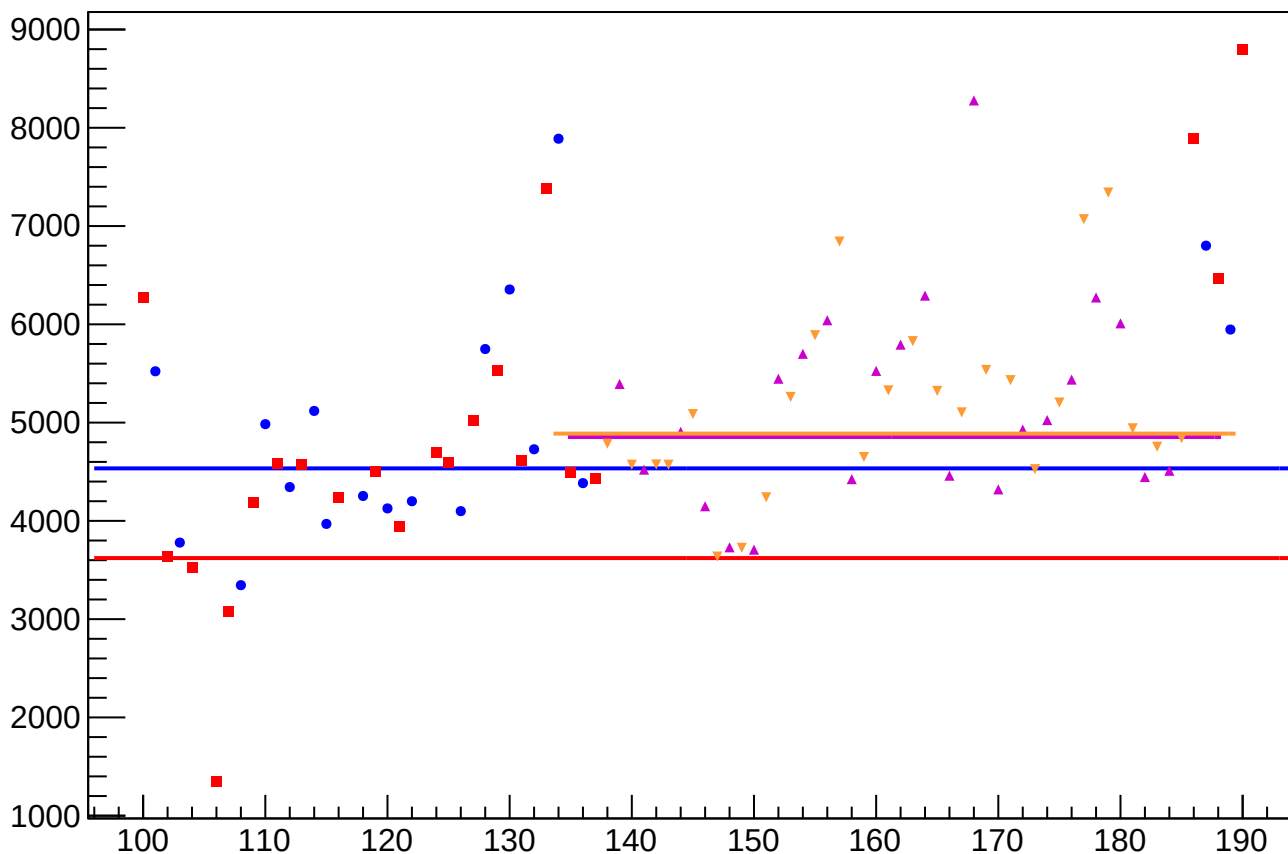
Left In: 177.137 ± 1156.061 χ^2/NDF : 13.5/22

+ sign -422.642 ± 933.503 χ^2/NDF : 43.4/42

All: 63.308 ± 636.632 χ^2/NDF : 81.6/87

- sign 485.842 ± 870.465 χ^2/NDF : 37.6/44

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4534.098+/-1.164 χ^2/NDF : 599801.4/17

Left Out: 4887.823+/-0.801 χ^2/NDF : 1063298.6/24

Right Out: 3621.524+/-0.935 χ^2/NDF : 3213760.9/21

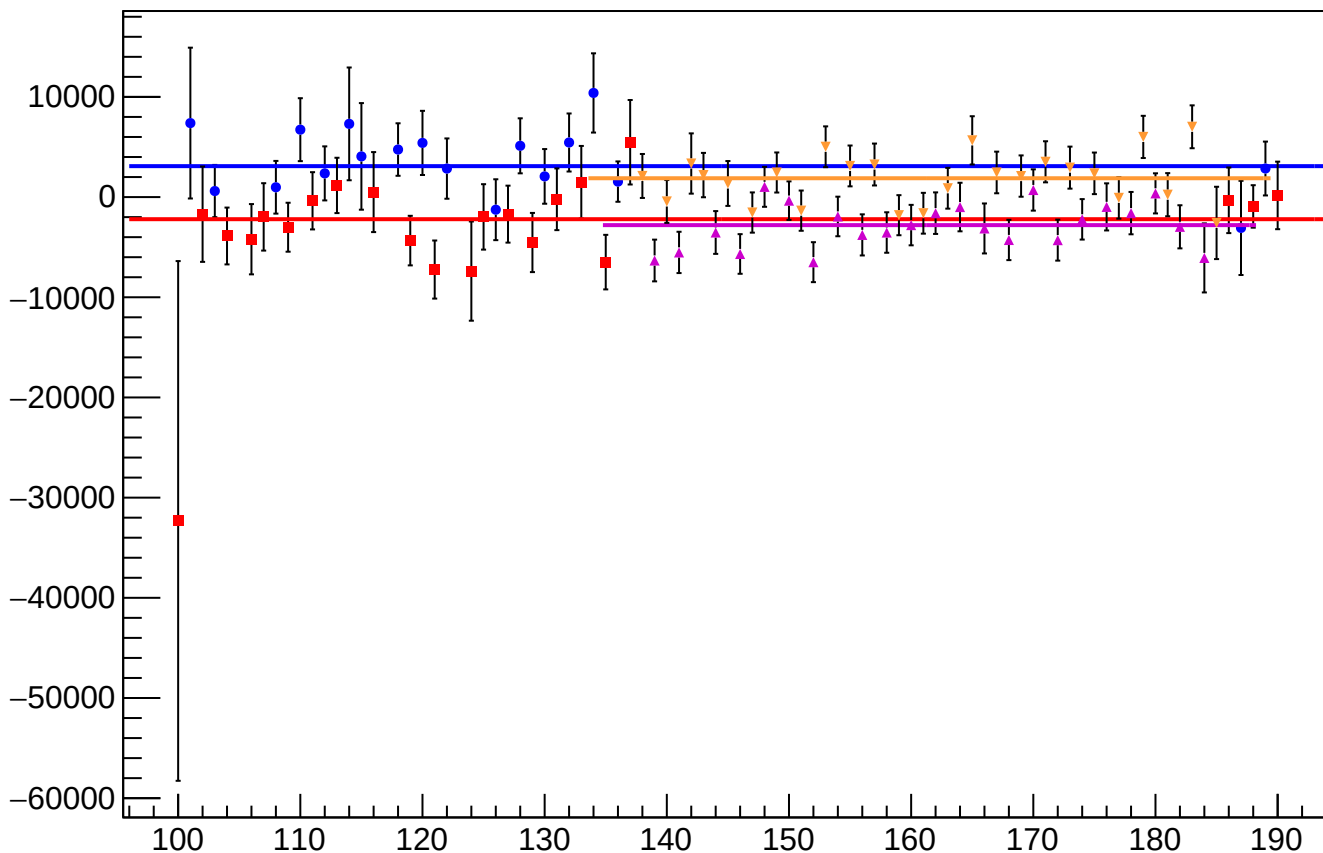
Left In: 4853.363+/-0.817 χ^2/NDF : 1178636.9/22

+ sign 4774.124+/-0.660 χ^2/NDF : 1725734.1/42

All: 4531.165+/-0.450 χ^2/NDF : 7354781.6/87

- sign 4319.910+/-0.616 χ^2/NDF : 5375772.3/44

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3088.920 $\pm$ 714.777 χ^2 /NDF: 13.9/17

Left Out: 1880.922 $\pm$ 428.981 χ^2 /NDF:32.9/24

Right Out: -2206.051 $\pm$ 665.854 χ^2 /NDF: 18.5/21

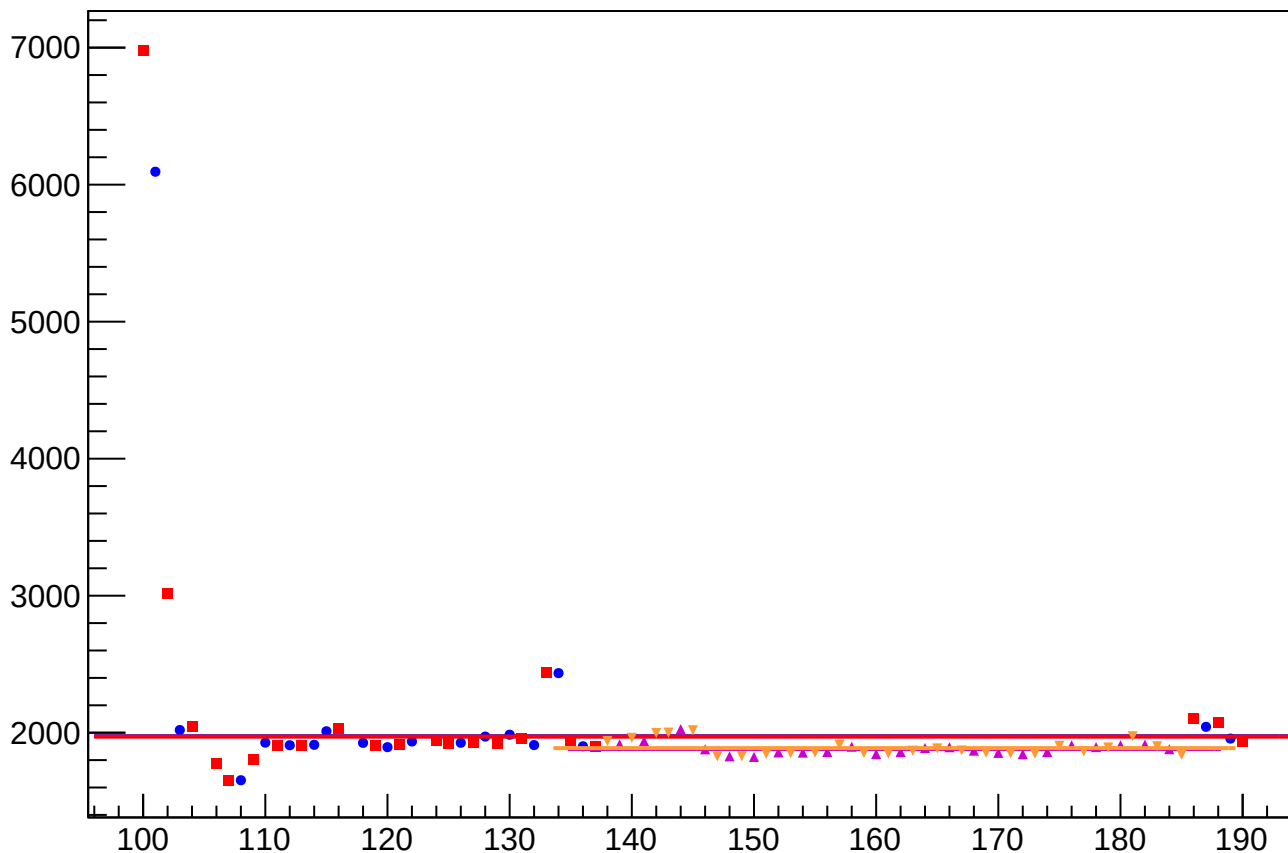
Left In: -2798.435 $\pm$ 439.234 χ^2 /NDF:25.4/22

+ sign 2200.811 $\pm$ 367.822 χ^2 /NDF: 49.0/42

All: -216.713 $\pm$ 259.673 χ^2 /NDF: 179.5/87

- sign -2618.820 $\pm$ 366.647 χ^2 /NDF: 44.4/44

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1974.172 $\pm$ 0.505 χ^2 /NDF: 665632.7/17

Left Out: 1887.546 $\pm$ 0.303 χ^2 /NDF: 31955.8/24

Right Out: 1971.780 $\pm$ 0.470 χ^2 /NDF: 255505.7/21

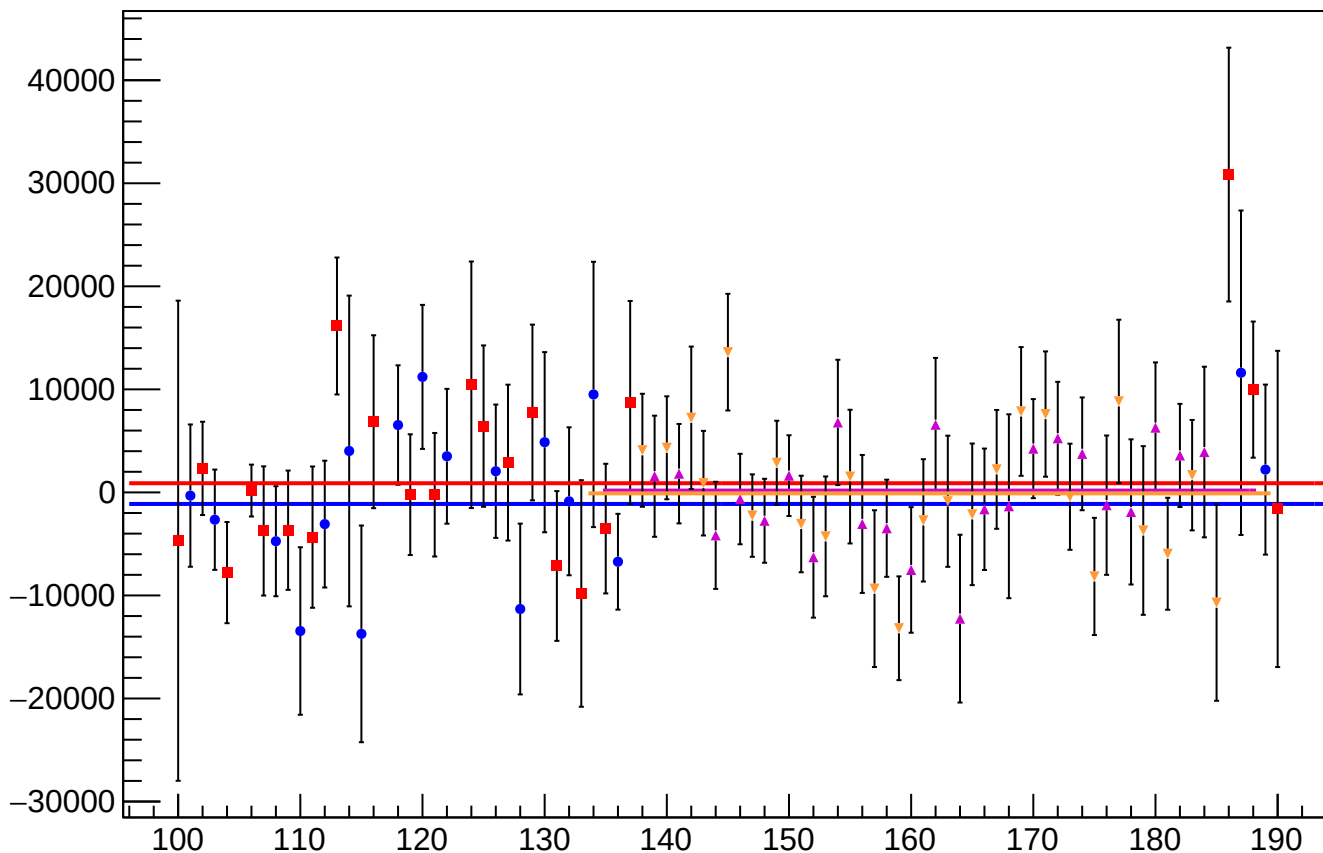
Left In: 1880.576 $\pm$ 0.311 χ^2 /NDF: 19037.6/22

+ sign 1910.485 $\pm$ 0.260 χ^2 /NDF: 719184.9/42

All: 1909.367 $\pm$ 0.184 χ^2 /NDF: 1019937.5/87

- sign 1908.257 $\pm$ 0.259 χ^2 /NDF: 300715.7/44

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: -1120.867 $\pm$ 1646.533 χ^2/NDF : 15.1/17

Left Out: -91.892 $\pm$ 1133.235 χ^2/NDF : 28.1/24

Right Out: 889.991 $\pm$ 1322.756 χ^2/NDF : 23.9/21

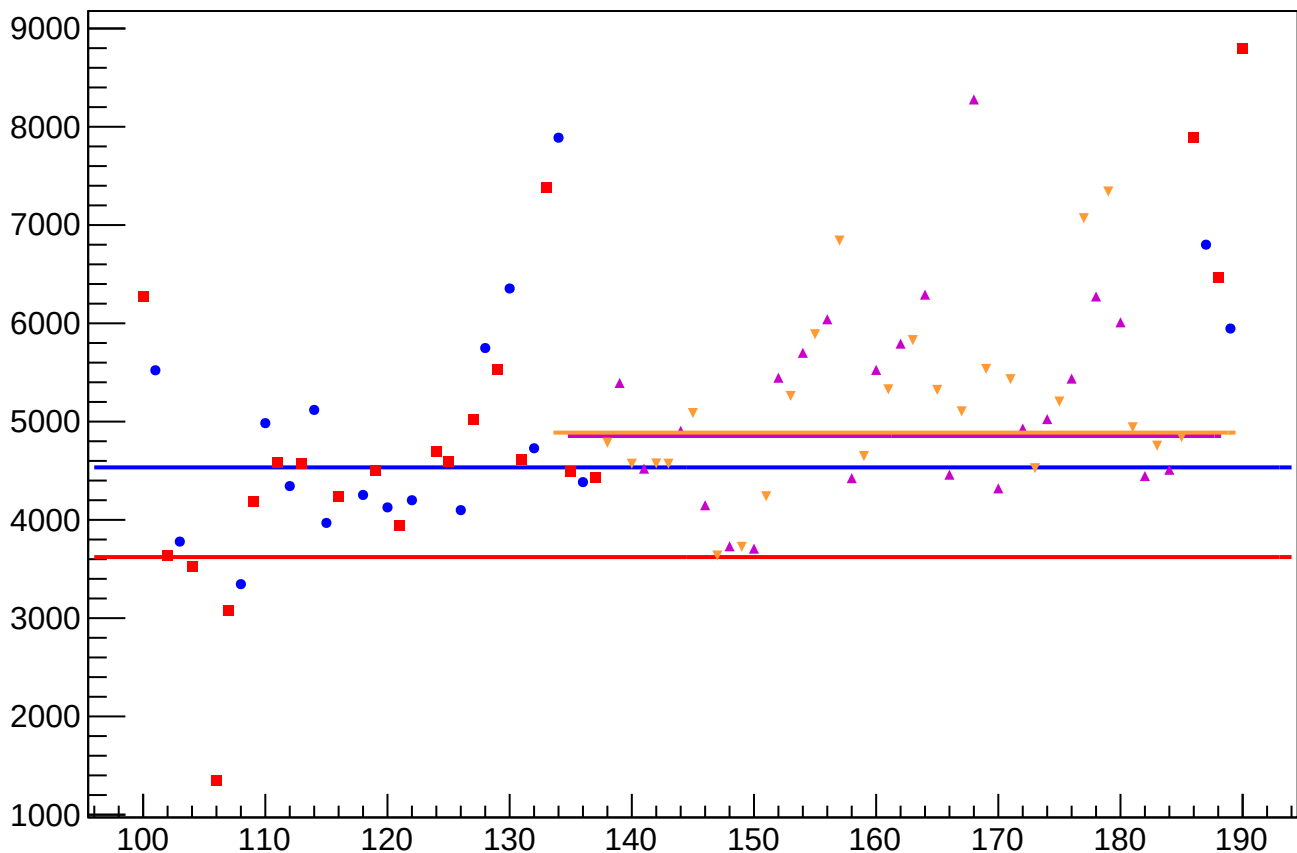
Left In: 177.140 $\pm$ 1156.062 χ^2/NDF : 13.5/22

+ sign -422.640 $\pm$ 933.504 χ^2/NDF : 43.4/42

All: 63.310 $\pm$ 636.632 χ^2/NDF : 81.6/87

- sign 485.844 $\pm$ 870.465 χ^2/NDF : 37.6/44

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4534.092+/-1.164 χ^2/NDF : 599800.8/17

Left Out: 4887.830+/-0.801 χ^2/NDF : 1063300.0/24

Right Out: 3621.515+/-0.935 χ^2/NDF : 3213769.1/21

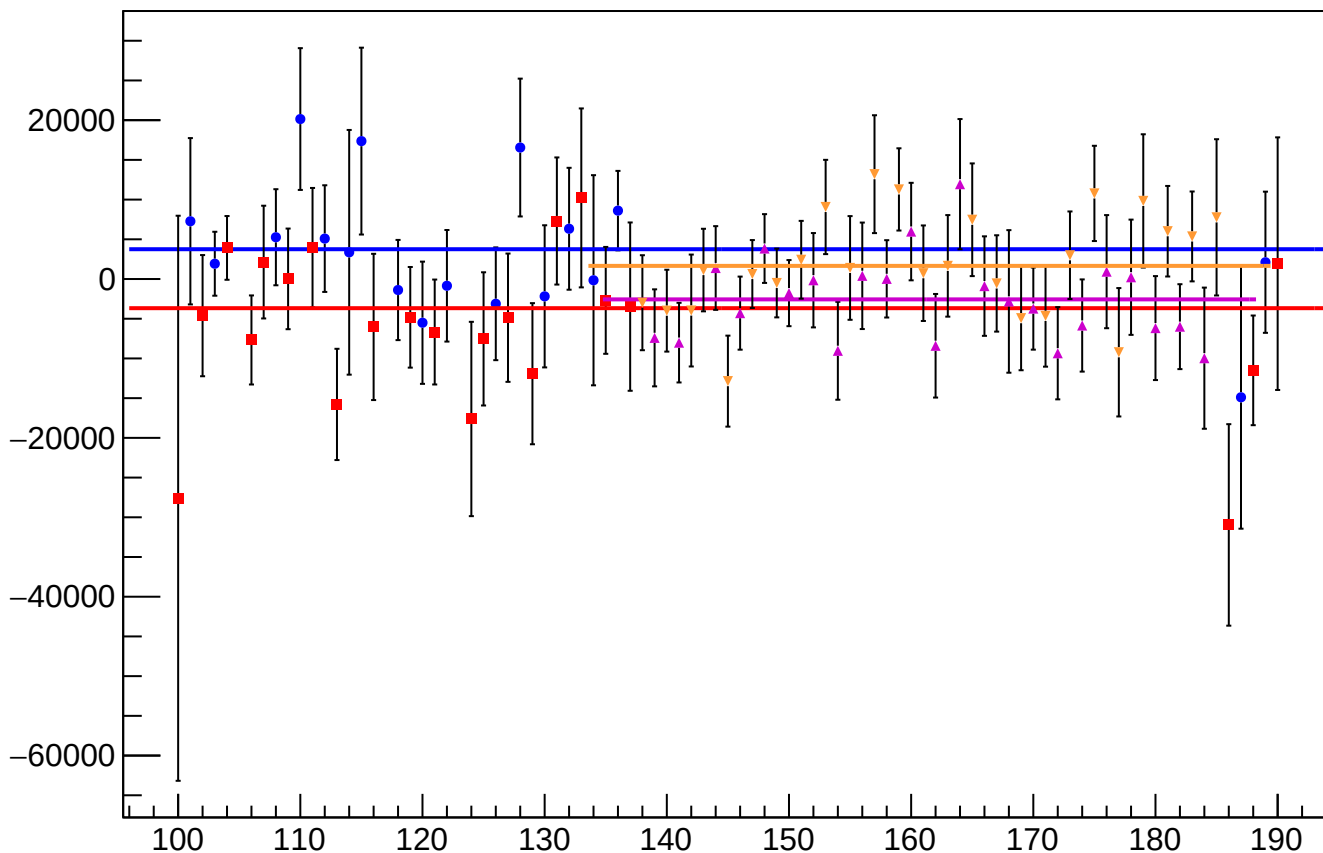
Left In: 4853.371+/-0.817 χ^2/NDF : 1178639.4/22

+ sign 4774.127+/-0.660 χ^2/NDF : 1725740.1/42

All: 4531.165+/-0.450 χ^2/NDF : 7354829.1/87

- sign 4319.909+/-0.616 χ^2/NDF : 5375809.3/44

asym_atr_avg_mean vs Slug



Right In: 3752.379 $\pm$ 1737.592 χ^2 /NDF: 13.7/17

Left Out: 1654.615 $\pm$ 1178.652 χ^2 /NDF: 26.0/24

Right Out: -3671.696 $\pm$ 1603.525 χ^2 /NDF: 21.7/21

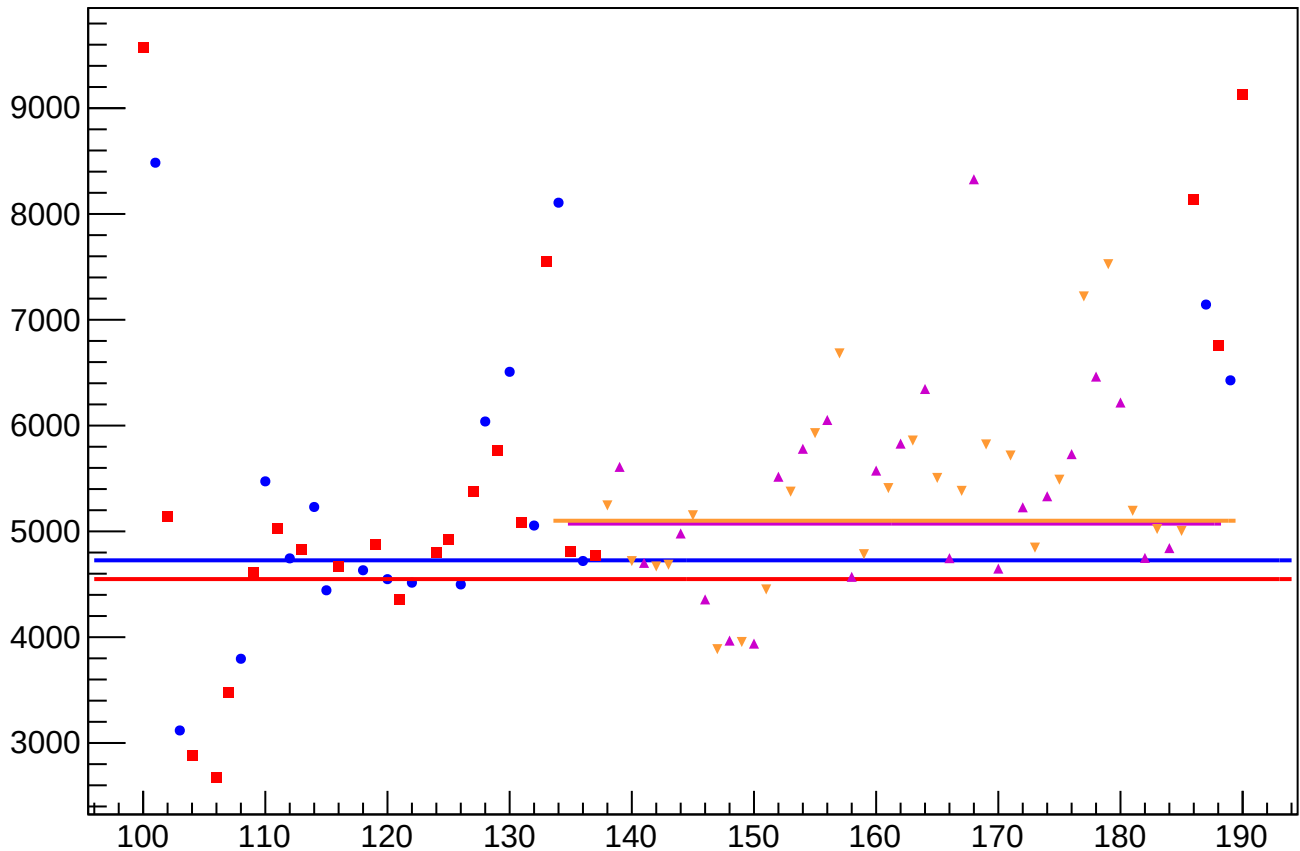
Left In: -2563.603 $\pm$ 1204.450 χ^2 /NDF: 16.0/22

+ sign 2315.677 $\pm$ 975.418 χ^2 /NDF: 40.6/42

All: -357.513 $\pm$ 685.306 χ^2 /NDF: 93.5/87

- sign -2963.283 $\pm$ 963.039 χ^2 /NDF: 38.0/44

asym_atr_avg_rms vs Slug



Right In: 4726.407+/-1.229 χ^2/NDF : 1022084.5/17

Left Out: 5100.641+/-0.833 χ^2/NDF : 909330.5/24

Right Out: 4549.173+/-1.125 χ^2/NDF : 1475395.6/21

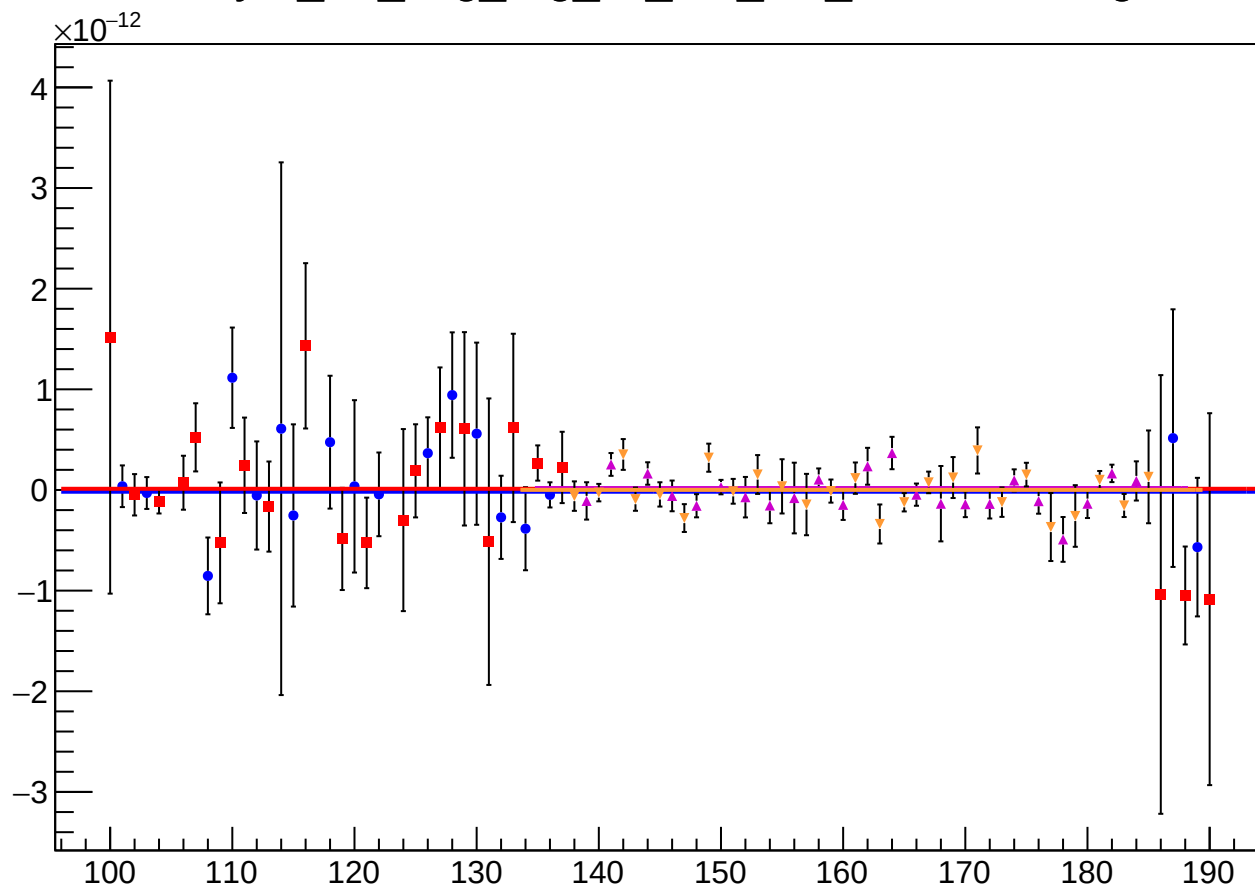
Left In: 5073.543+/-0.852 χ^2/NDF : 991915.5/22

+ sign 4982.710+/-0.690 χ^2/NDF : 1994952.7/42

All: 4931.804+/-0.484 χ^2/NDF : 4611122.1/87

- sign 4882.468+/-0.679 χ^2/NDF : 2605442.6/44

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 16.7/17$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 33.3/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 20.5/21$

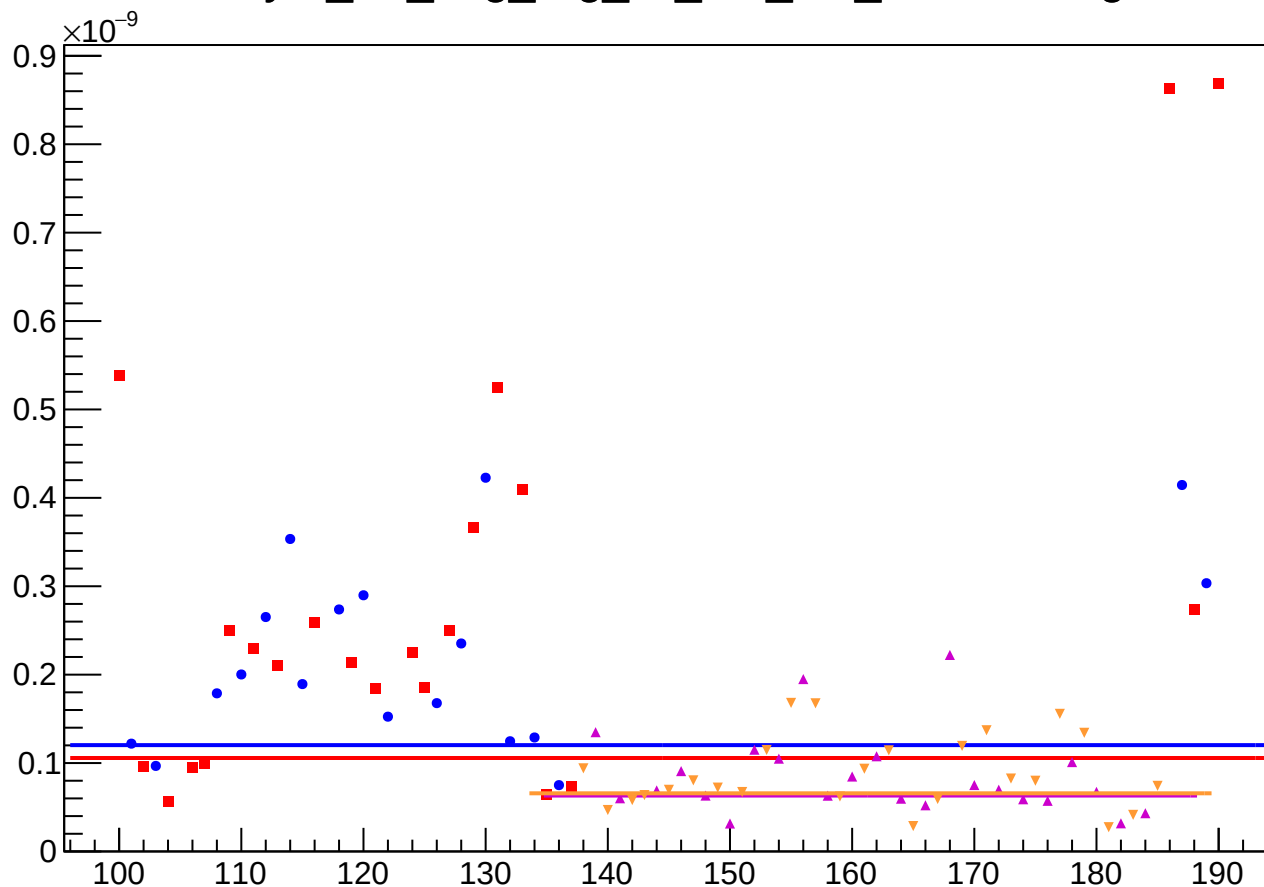
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 32.4/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 50.0/42$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 103.2/87$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 52.9/44$

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1351412.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2677038.5/21

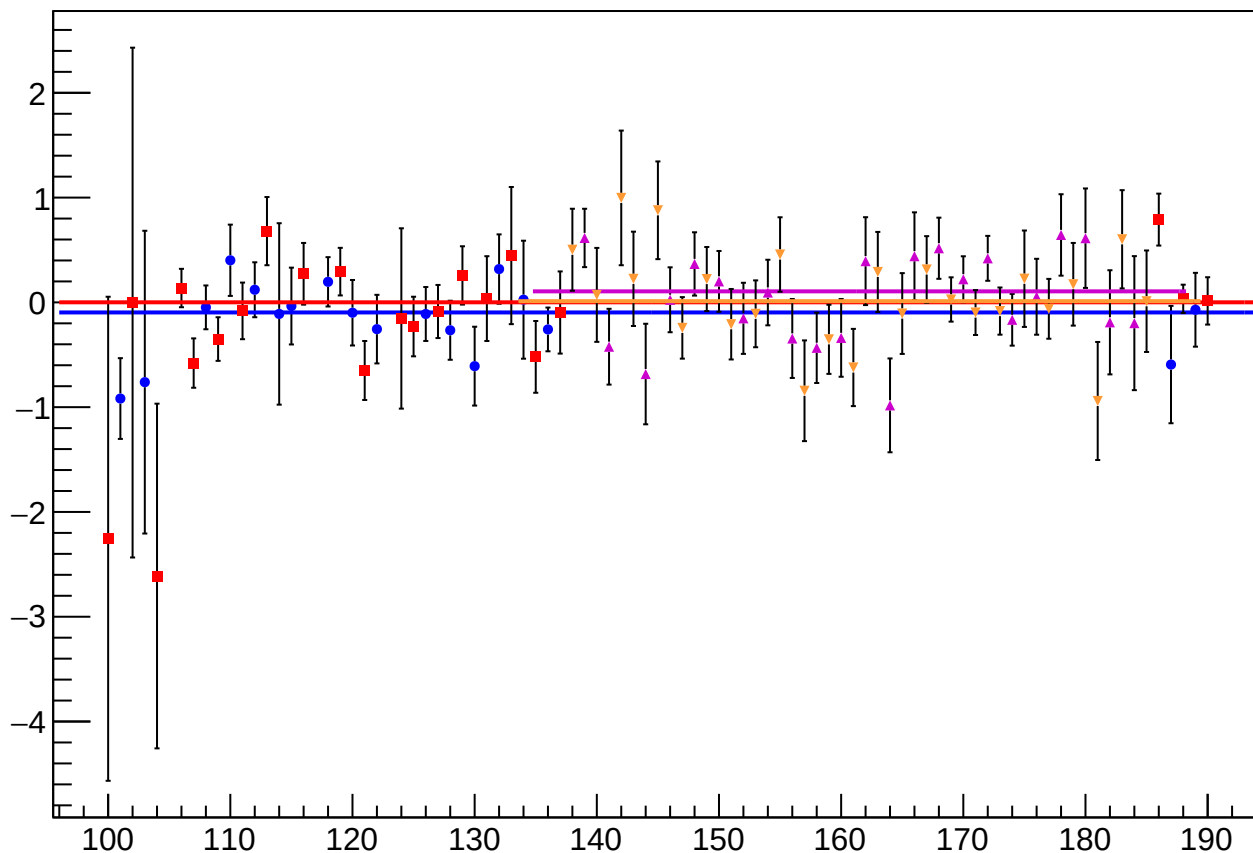
Left In: 0.000+/-0.000 χ^2/NDF : 2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 4759278.5/42

All: 0.000+/-0.000 χ^2/NDF : 10264340.1/87

- sign 0.000+/-0.000 χ^2/NDF : 5485476.6/44

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.096 ± 0.074 χ^2/NDF : 14.7/17

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: 0.001 ± 0.058 χ^2/NDF : 40.0/21

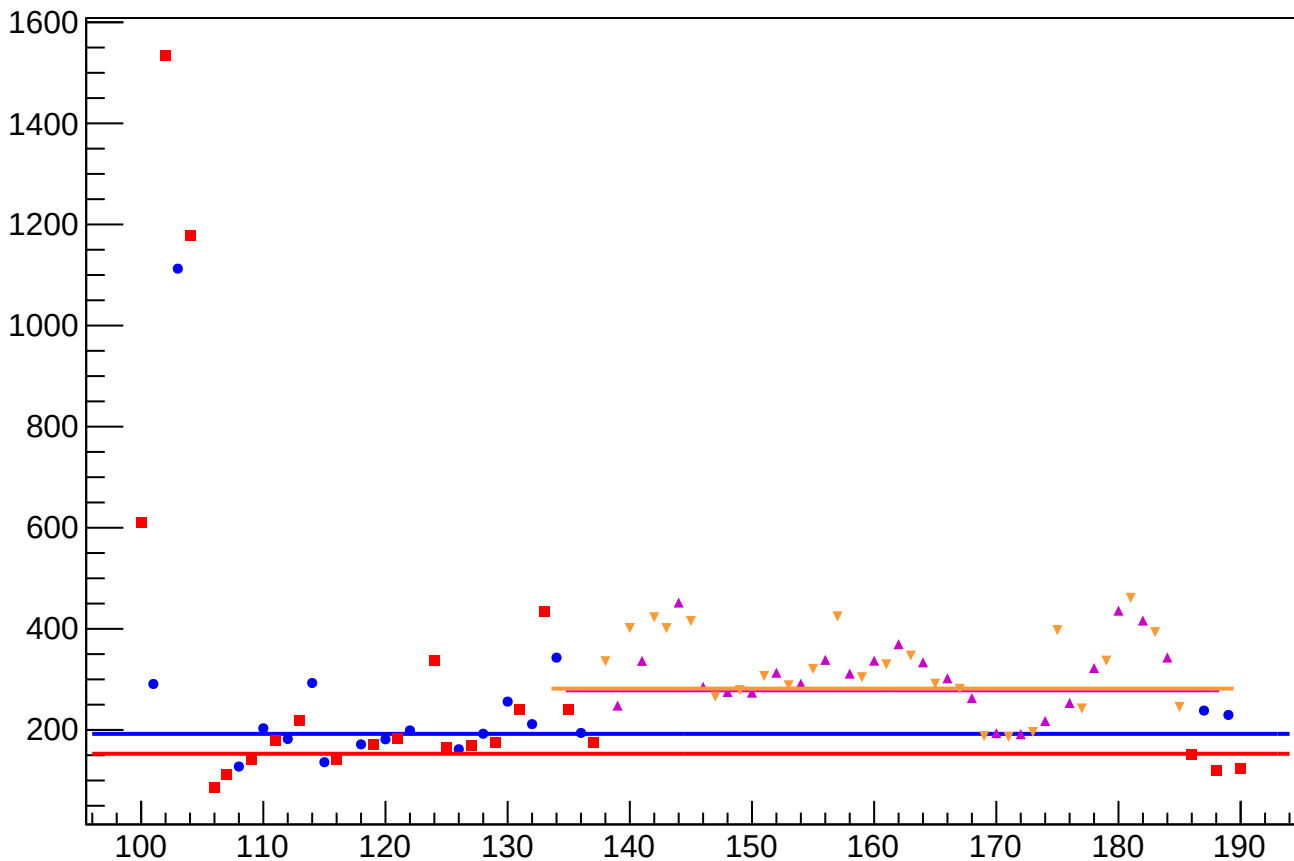
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign -0.038 ± 0.050 χ^2/NDF : 41.0/42

All: 0.008 ± 0.033 χ^2/NDF : 115.3/87

- sign 0.045 ± 0.044 χ^2/NDF : 72.7/44

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 192.269+/-0.053 χ^2/NDF : 1503885.3/17

Left Out: 281.818+/-0.048 χ^2/NDF : 2520824.2/24

Right Out: 152.867+/-0.041 χ^2/NDF : 2841162.6/21

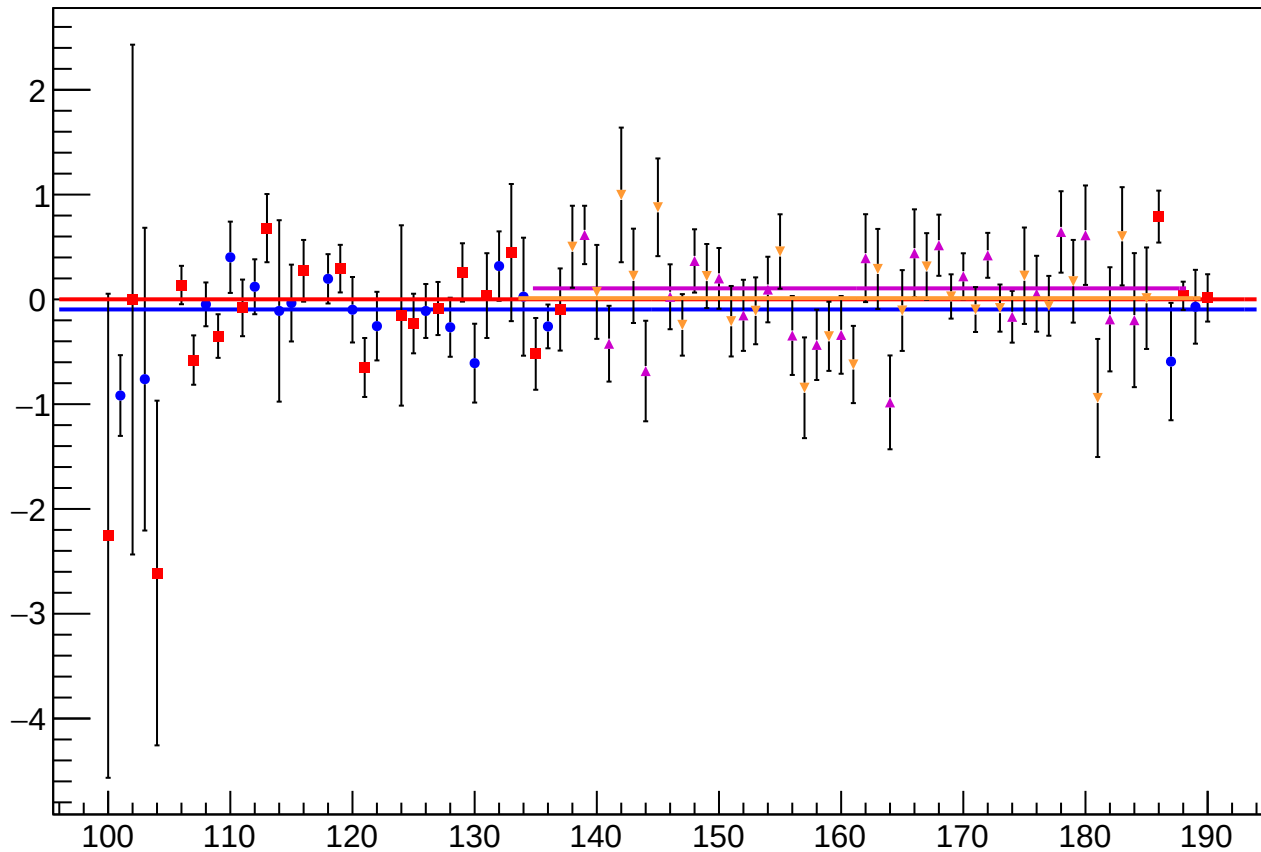
Left In: 278.409+/-0.049 χ^2/NDF : 1799690.4/22

+ sign 240.996+/-0.035 χ^2/NDF : 5603648.4/42

All: 221.081+/-0.024 χ^2/NDF : 14696696.1/87

- sign 205.490+/-0.031 χ^2/NDF : 8531751.1/44

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.096 ± 0.074 χ^2/NDF : 14.7/17

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: 0.001 ± 0.058 χ^2/NDF : 40.0/21

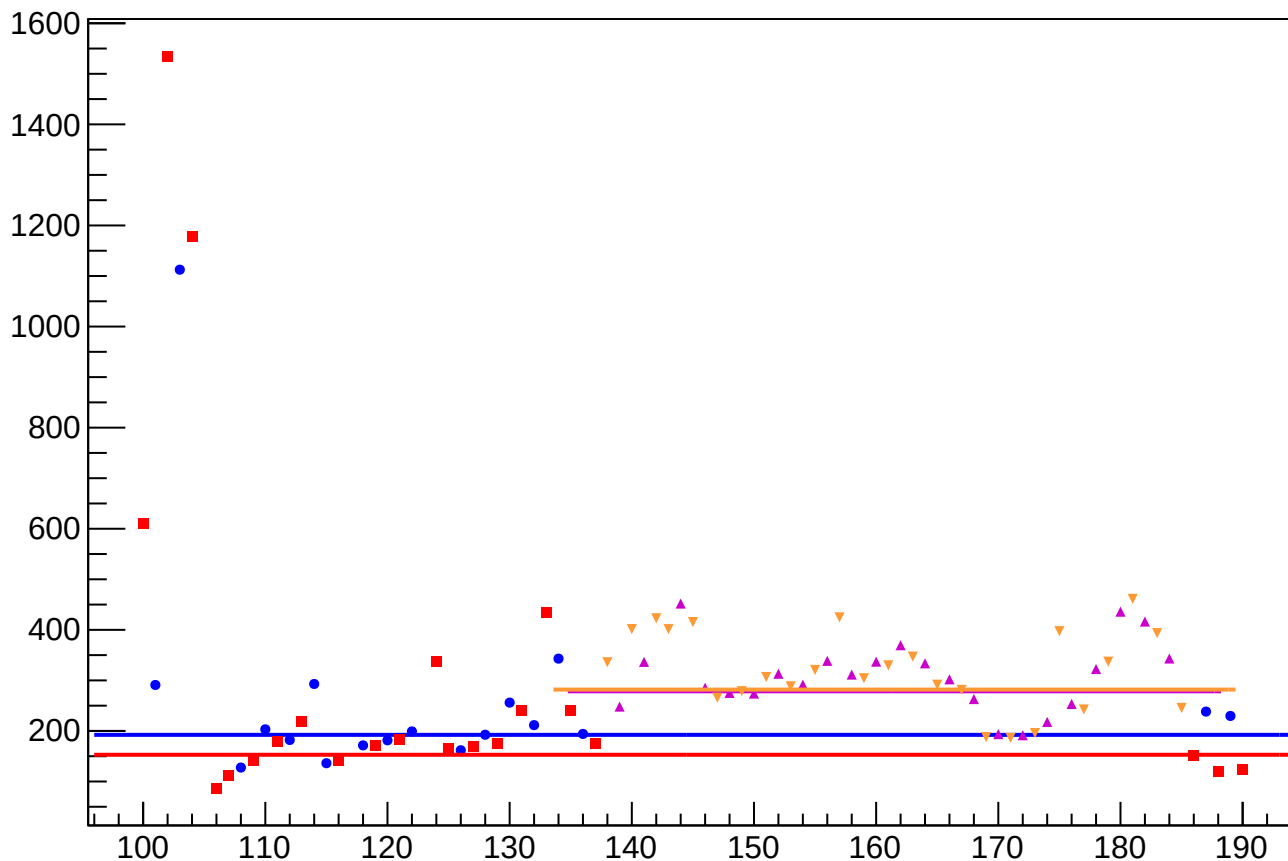
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign -0.038 ± 0.050 χ^2/NDF : 41.0/42

All: 0.008 ± 0.033 χ^2/NDF : 115.3/87

- sign 0.045 ± 0.044 χ^2/NDF : 72.7/44

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.269 $\pm$ 0.053 χ^2 /NDF: 1503885.3/17

Left Out: 281.818 $\pm$ 0.048 χ^2 /NDF: 2520824.2/24

Right Out: 152.867 $\pm$ 0.041 χ^2 /NDF: 2841162.6/21

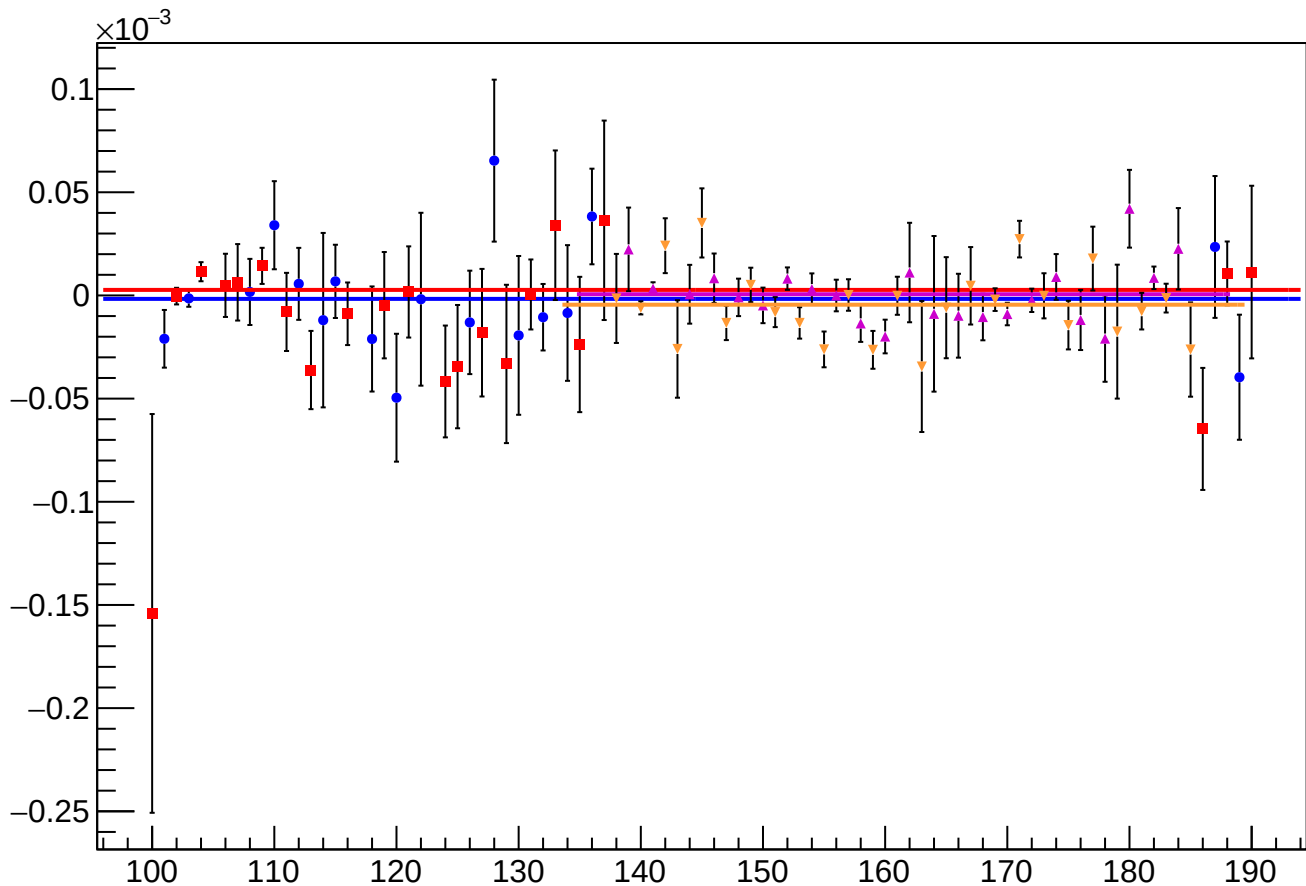
Left In: 278.409 $\pm$ 0.049 χ^2 /NDF: 1799690.4/22

+ sign 240.996 $\pm$ 0.035 χ^2 /NDF: 5603648.4/42

All: 221.081 $\pm$ 0.024 χ^2 /NDF: 14696696.1/87

- sign 205.490 $\pm$ 0.031 χ^2 /NDF: 8531751.1/44

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 16.9/17

Left Out: -0.000+/-0.000 χ^2/NDF : 46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26.8/21

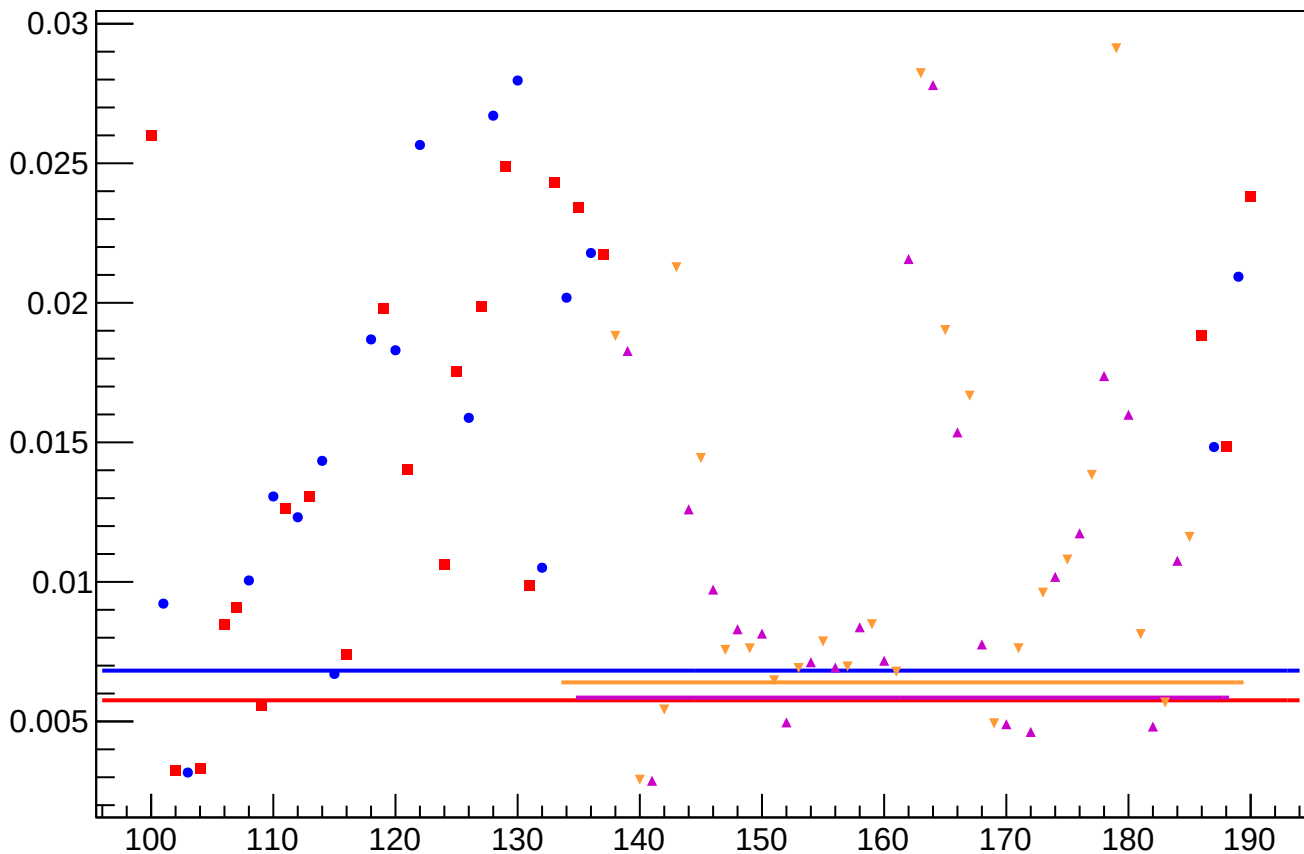
Left In: 0.000+/-0.000 χ^2/NDF : 29.1/22

+ sign -0.000+/-0.000 χ^2/NDF : 63.9/42

All: -0.000+/-0.000 χ^2/NDF : 126.4/87

- sign 0.000+/-0.000 χ^2/NDF : 56.4/44

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6481319.1/17

Left Out: 0.006+/-0.000 χ^2/NDF : 8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF : 7197407.4/21

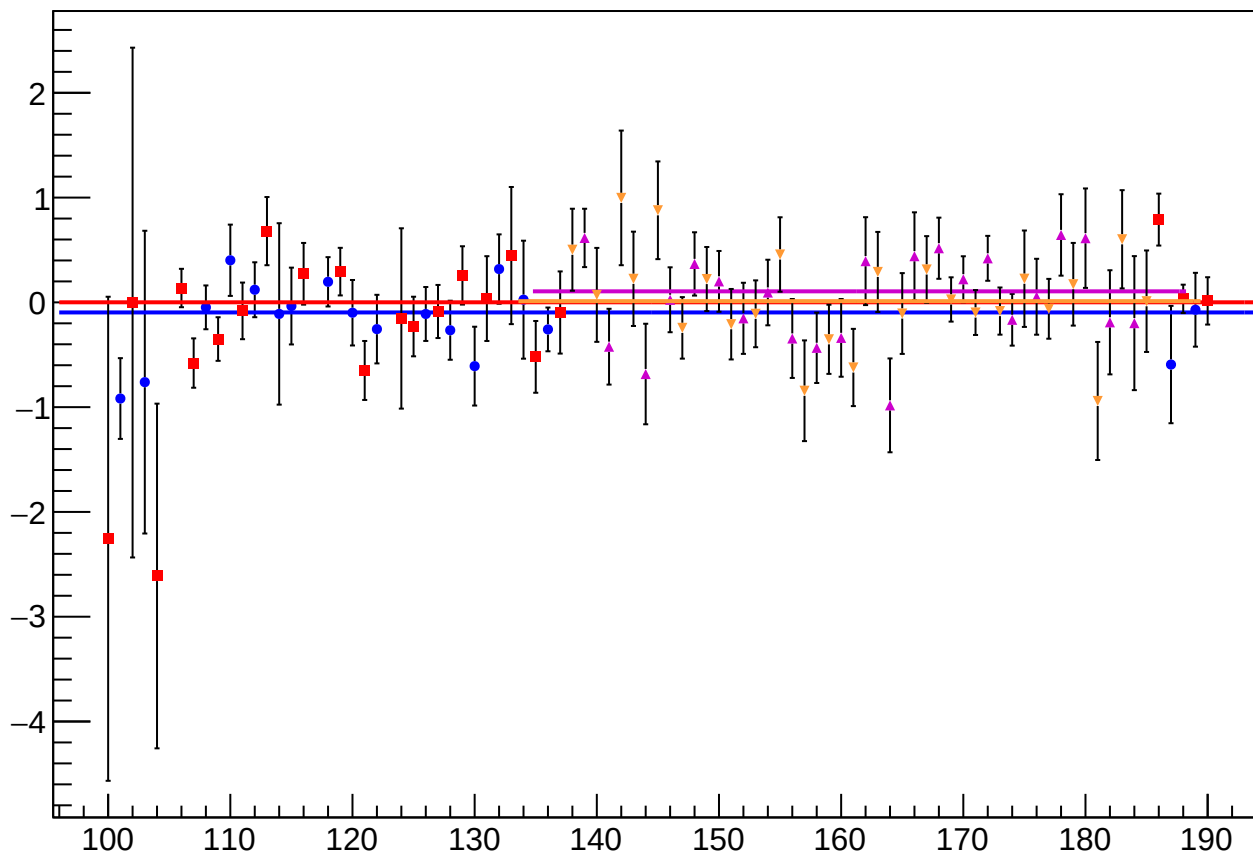
Left In: 0.006+/-0.000 χ^2/NDF : 8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF : 15471411.7/42

All: 0.006+/-0.000 χ^2/NDF : 31026233.7/87

- sign 0.006+/-0.000 χ^2/NDF : 15343800.4/44

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.096 ± 0.074 χ^2/NDF : 14.7/17

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: 0.001 ± 0.058 χ^2/NDF : 40.0/21

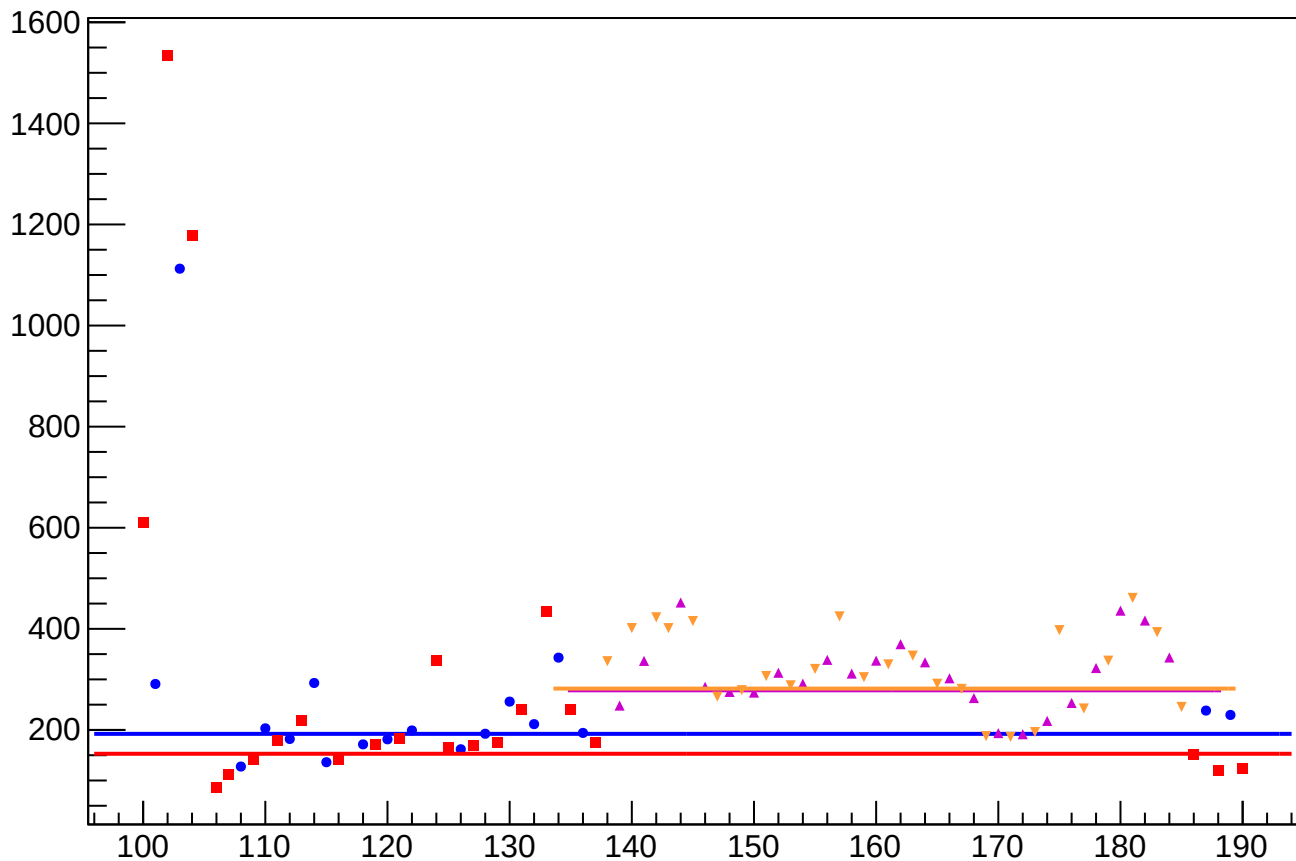
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign -0.038 ± 0.050 χ^2/NDF : 41.0/42

All: 0.008 ± 0.033 χ^2/NDF : 115.3/87

- sign 0.045 ± 0.044 χ^2/NDF : 72.7/44

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.268 $\pm$ 0.053 χ^2 /NDF: 1503885.0/17

Left Out: 281.820 $\pm$ 0.048 χ^2 /NDF: 2520889.0/24

Right Out: 152.863 $\pm$ 0.041 χ^2 /NDF: 2841207.1/21

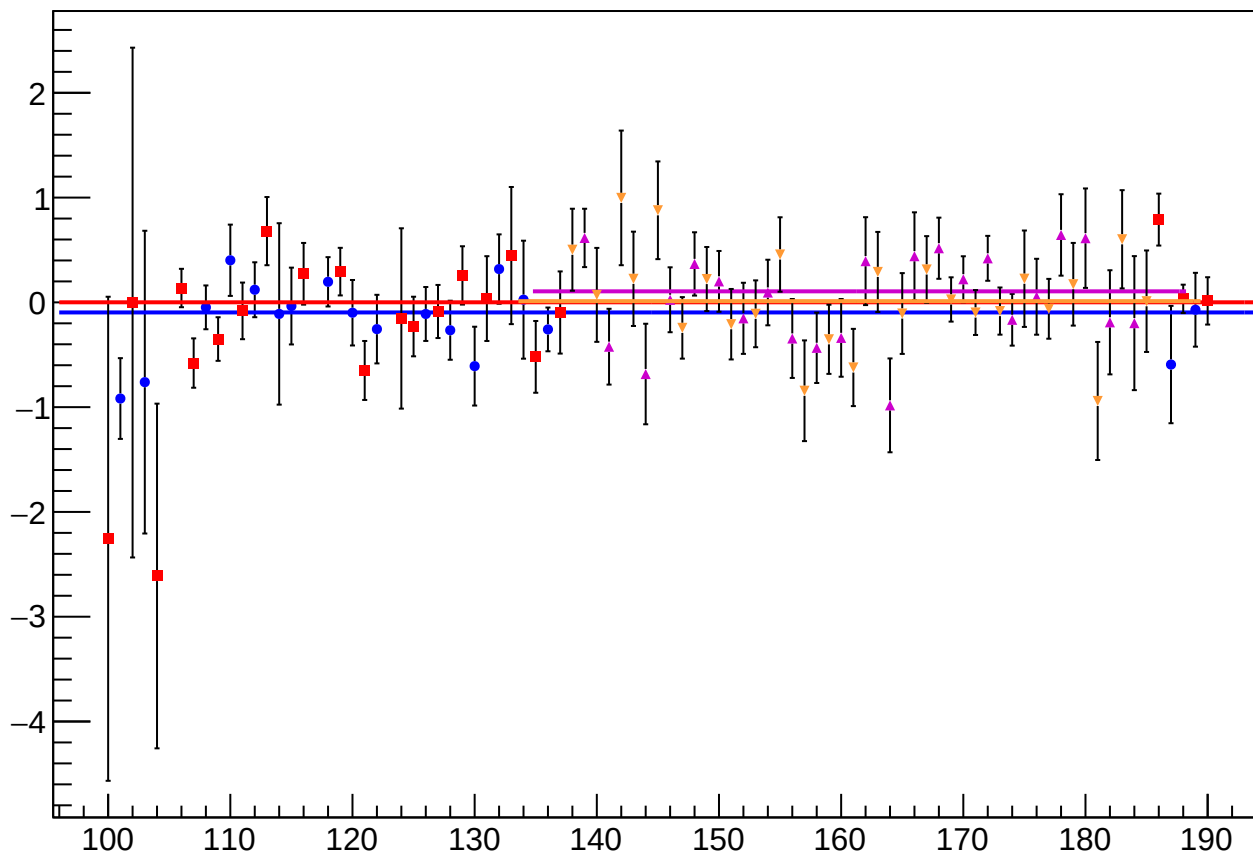
Left In: 278.412 $\pm$ 0.049 χ^2 /NDF: 1799730.1/22

+ sign 240.997 $\pm$ 0.035 χ^2 /NDF: 5603806.2/42

All: 221.080 $\pm$ 0.024 χ^2 /NDF: 14697394.3/87

- sign 205.488 $\pm$ 0.031 χ^2 /NDF: 8532194.2/44

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.096 ± 0.074 χ^2/NDF : 14.7/17

Left Out: 0.012 ± 0.068 χ^2/NDF : 25.2/24

Right Out: 0.001 ± 0.058 χ^2/NDF : 40.0/21

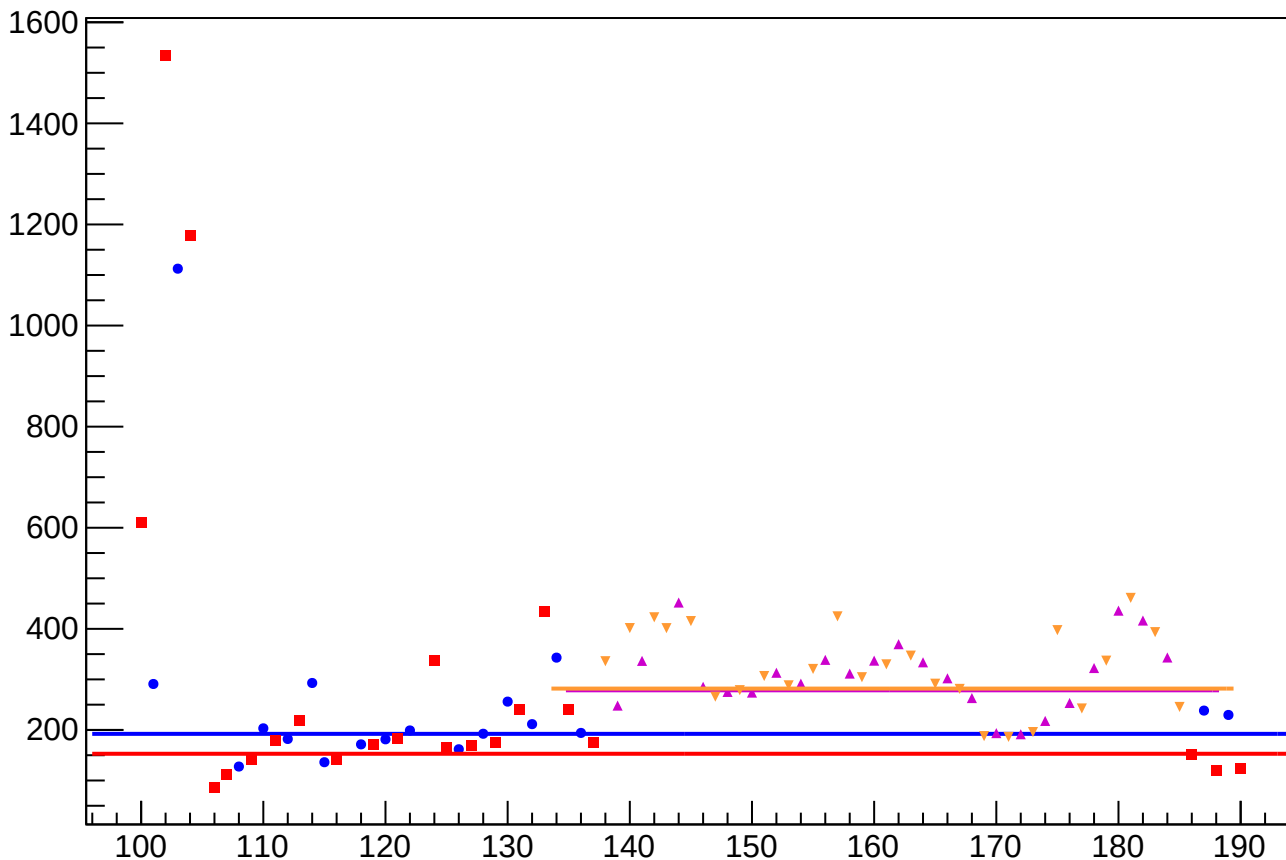
Left In: 0.105 ± 0.069 χ^2/NDF : 31.4/22

+ sign -0.038 ± 0.050 χ^2/NDF : 41.0/42

All: 0.008 ± 0.033 χ^2/NDF : 115.3/87

- sign 0.045 ± 0.044 χ^2/NDF : 72.7/44

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.268+/-0.053 χ^2/NDF : 1503885.0/17

Left Out: 281.820+/-0.048 χ^2/NDF : 2520889.0/24

Right Out: 152.863+/-0.041 χ^2/NDF : 2841207.1/21

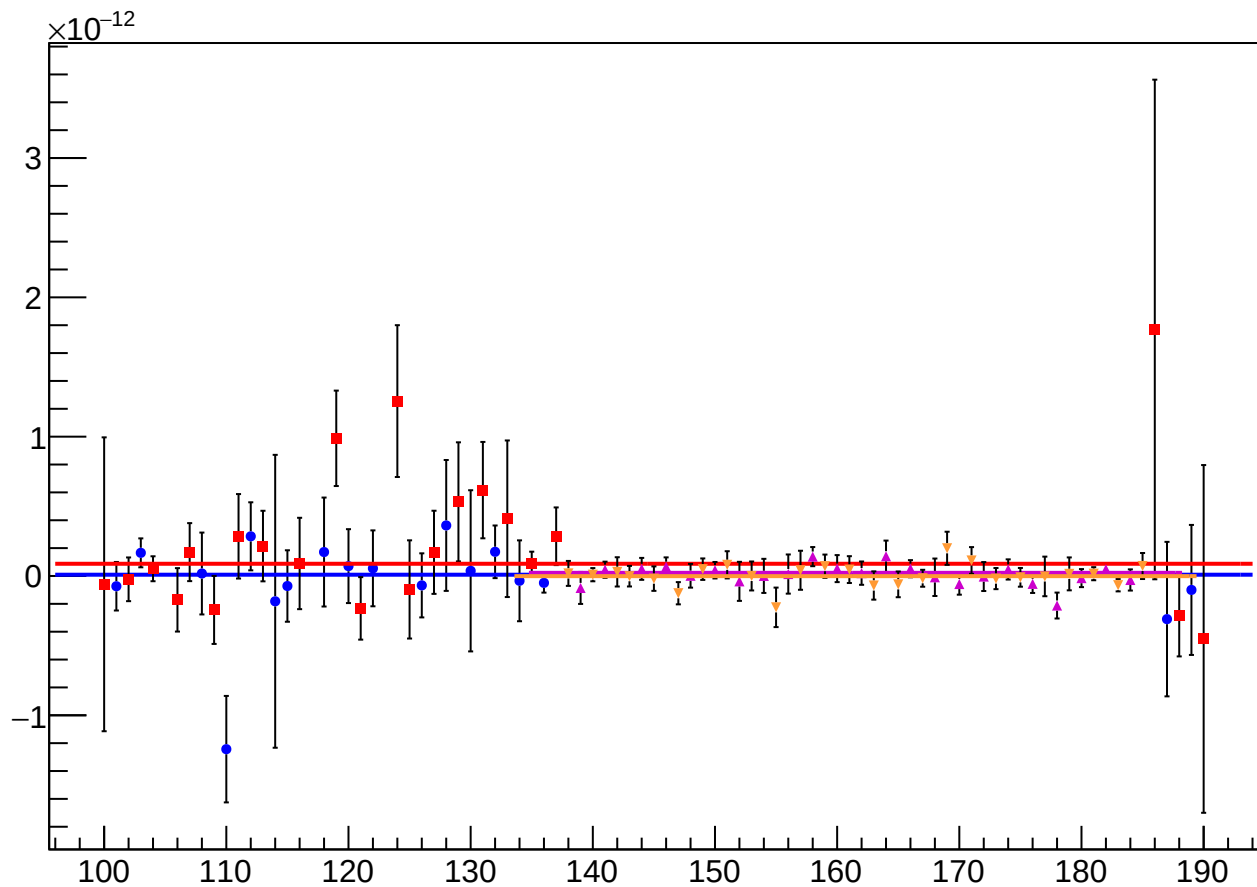
Left In: 278.412+/-0.049 χ^2/NDF : 1799730.1/22

+ sign 240.997+/-0.035 χ^2/NDF : 5603806.2/42

All: 221.080+/-0.024 χ^2/NDF : 14697394.3/87

- sign 205.488+/-0.031 χ^2/NDF : 8532194.2/44

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 17.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 15.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.9/21

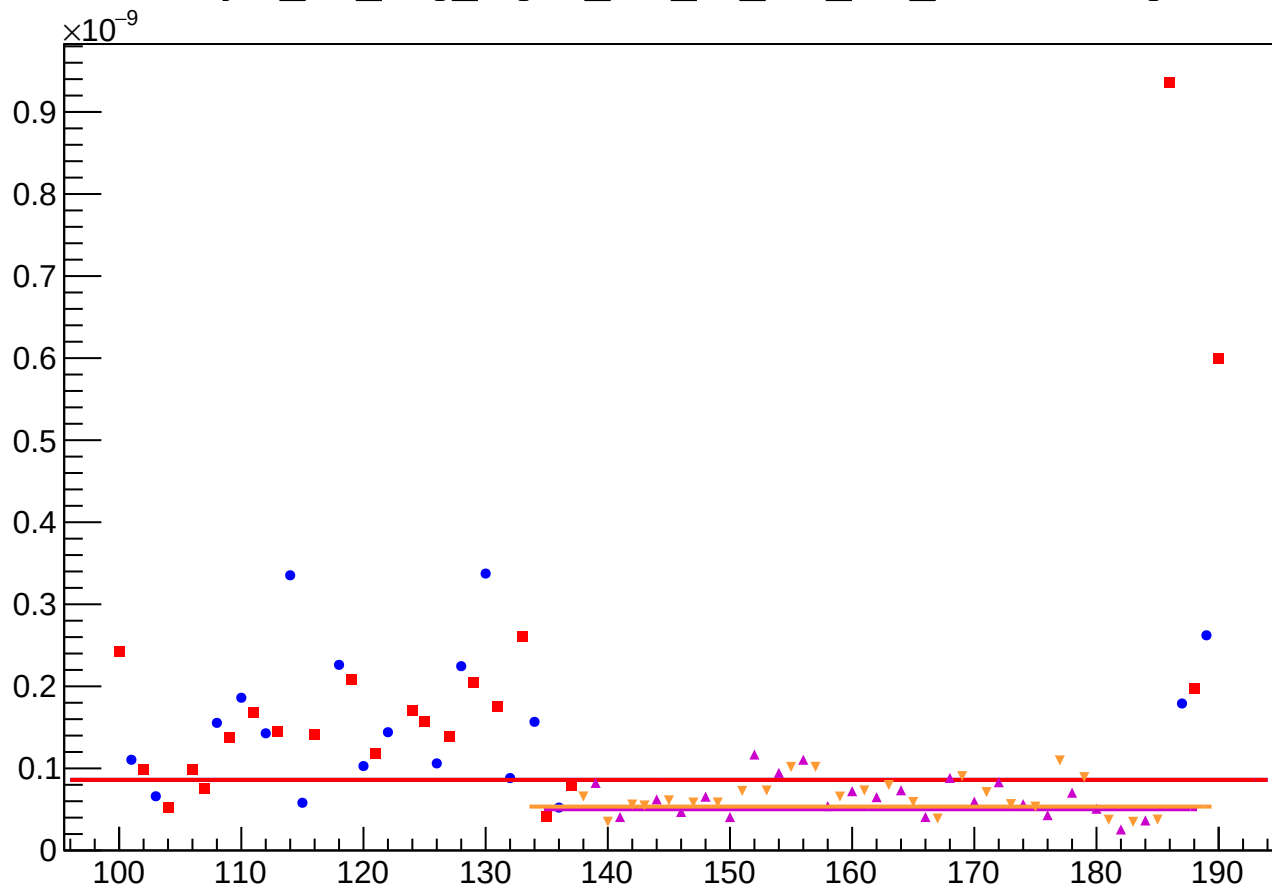
Left In: 0.000 ± 0.000 χ^2/NDF : 16.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 32.9/42

All: 0.000 ± 0.000 χ^2/NDF : 79.6/87

- sign 0.000 ± 0.000 χ^2/NDF : 44.7/44

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2455418.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3364896.5/21

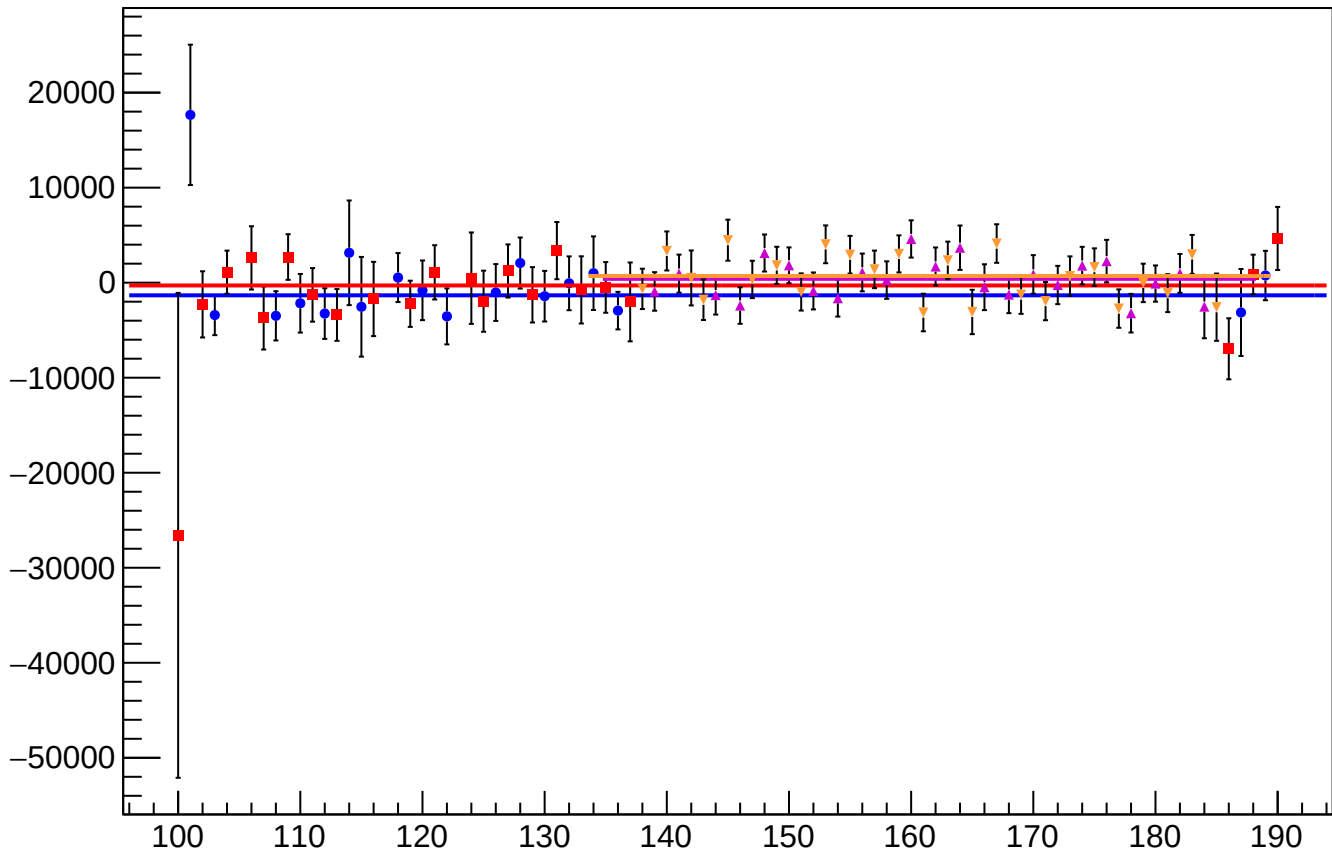
Left In: 0.000+/-0.000 χ^2/NDF : 3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 6166208.8/42

All: 0.000+/-0.000 χ^2/NDF : 14107569.3/87

- sign 0.000+/-0.000 χ^2/NDF : 7902895.8/44

reg_asym_atr_dd_mean vs Slug



Right In: -1330.555 ± 688.752 χ^2/NDF : 14.3/17

Left Out: 705.742 ± 415.383 χ^2/NDF : 31.9/24

Right Out: -292.723 ± 639.829 χ^2/NDF : 16.8/21

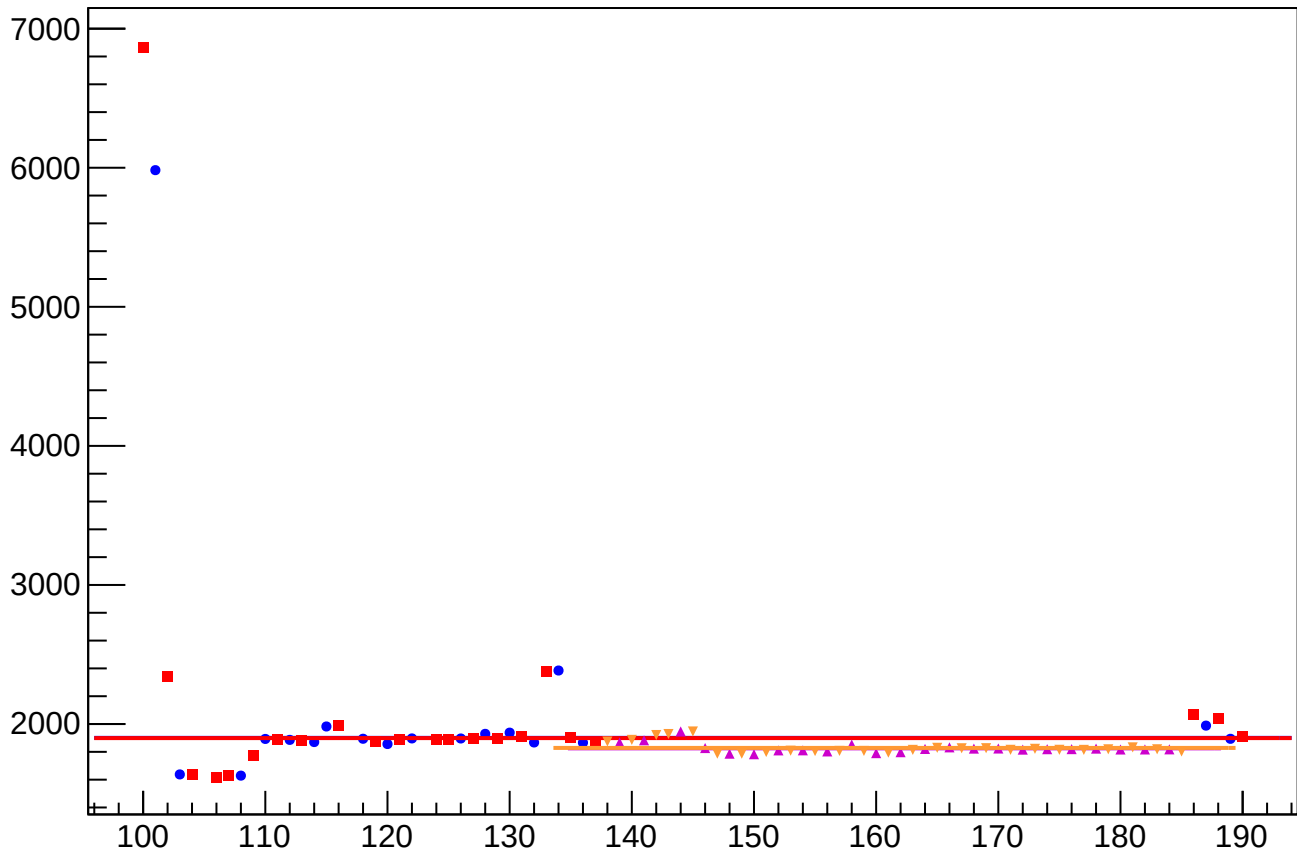
Left In: 403.144 ± 426.215 χ^2/NDF : 20.7/22

+ sign 162.633 ± 355.702 χ^2/NDF : 52.7/42

All: 175.986 ± 251.171 χ^2/NDF : 91.0/87

- sign 189.266 ± 354.719 χ^2/NDF : 38.3/44

reg_asym_atr_dd_rms vs Slug



Right In: 1900.505 $\pm$ 0.487 χ^2 /NDF: 698279.1/17

Left Out: 1828.243 $\pm$ 0.294 χ^2 /NDF: 19329.0/24

Right Out: 1898.812 $\pm$ 0.451 χ^2 /NDF: 224871.6/21

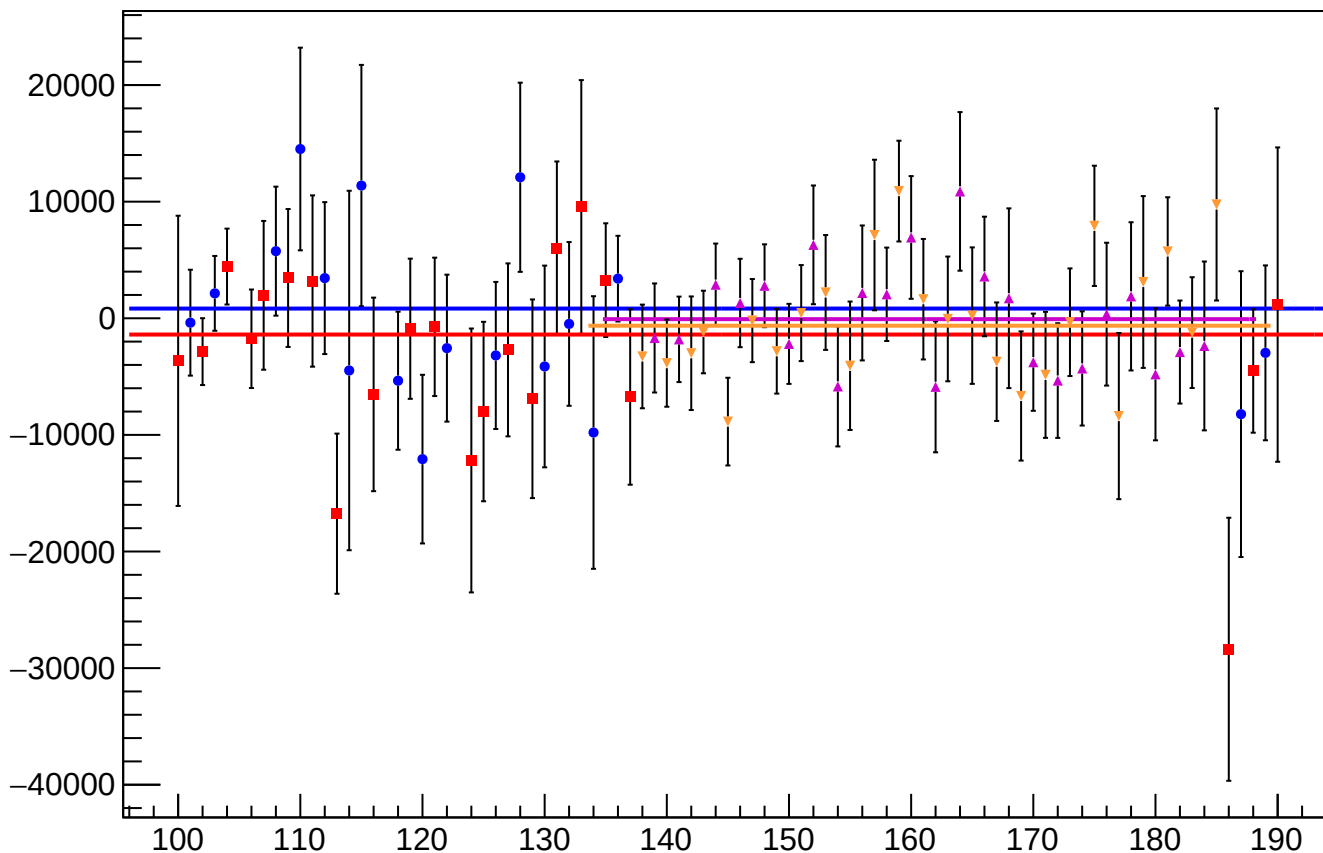
Left In: 1825.165 $\pm$ 0.301 χ^2 /NDF: 13360.2/22

+ sign 1847.516 $\pm$ 0.252 χ^2 /NDF: 733751.7/42

All: 1847.703 $\pm$ 0.178 χ^2 /NDF: 990410.0/87

- sign 1847.889 $\pm$ 0.251 χ^2 /NDF: 256657.2/44

asym_atr_dd_reg_correction_mean vs Slug



Right In: 833.001 $\pm$ 1441.221 χ^2 /NDF: 14.2/17

Left Out: -637.703 $\pm$ 946.866 χ^2 /NDF:26.0/24

Right Out: -1395.721 $\pm$ 1255.660 χ^2 /NDF: 21.9/21

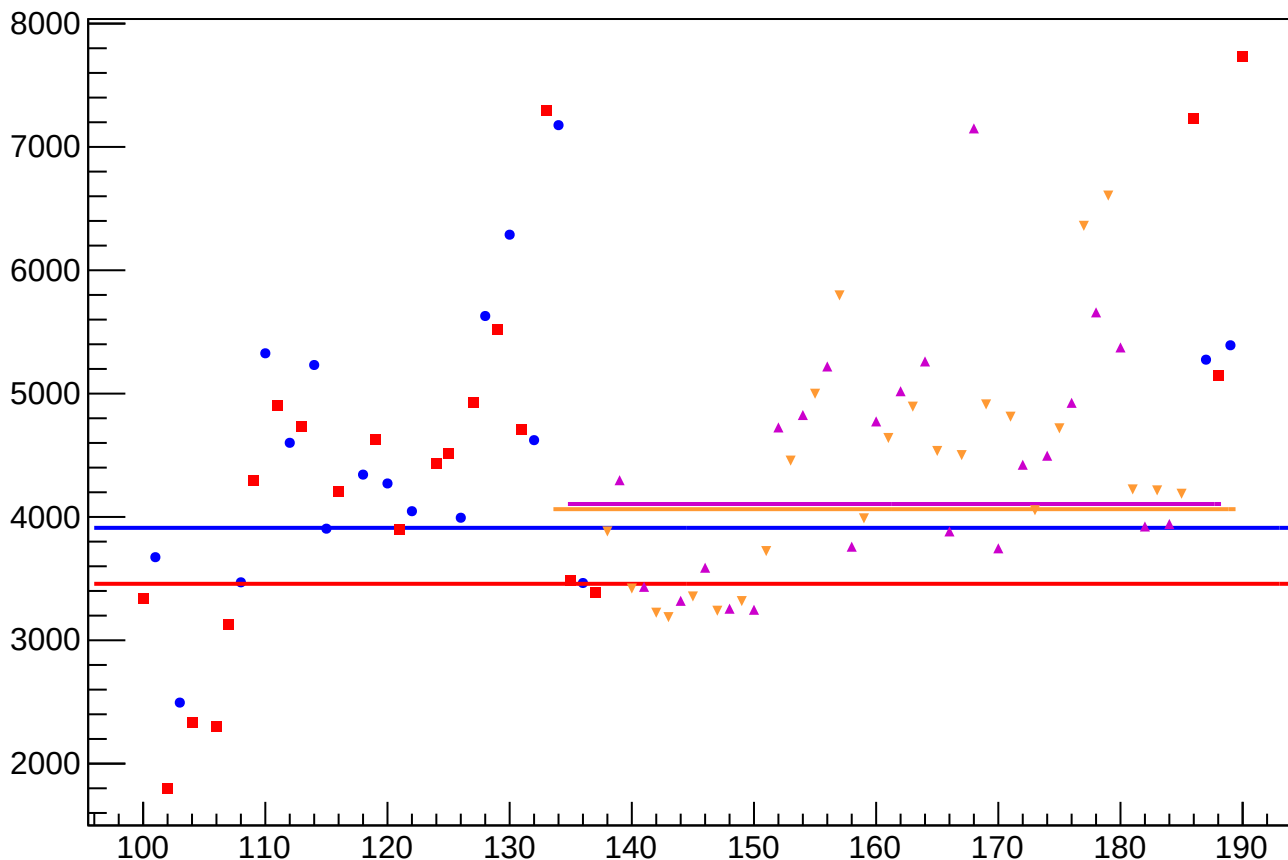
Left In: -75.764 $\pm$ 980.243 χ^2 /NDF:15.4/22

+ sign -194.289 $\pm$ 791.357 χ^2 /NDF: 40.9/42

All: -389.489 $\pm$ 552.851 χ^2 /NDF: 79.1/87

- sign -575.581 $\pm$ 772.677 χ^2 /NDF: 38.0/44

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3911.645+/-1.019 χ^2/NDF : 1064971.5/17

Left Out: 4063.108+/-0.670 χ^2/NDF : 1405036.2/24

Right Out: 3457.946+/-0.888 χ^2/NDF : 2536321.6/21

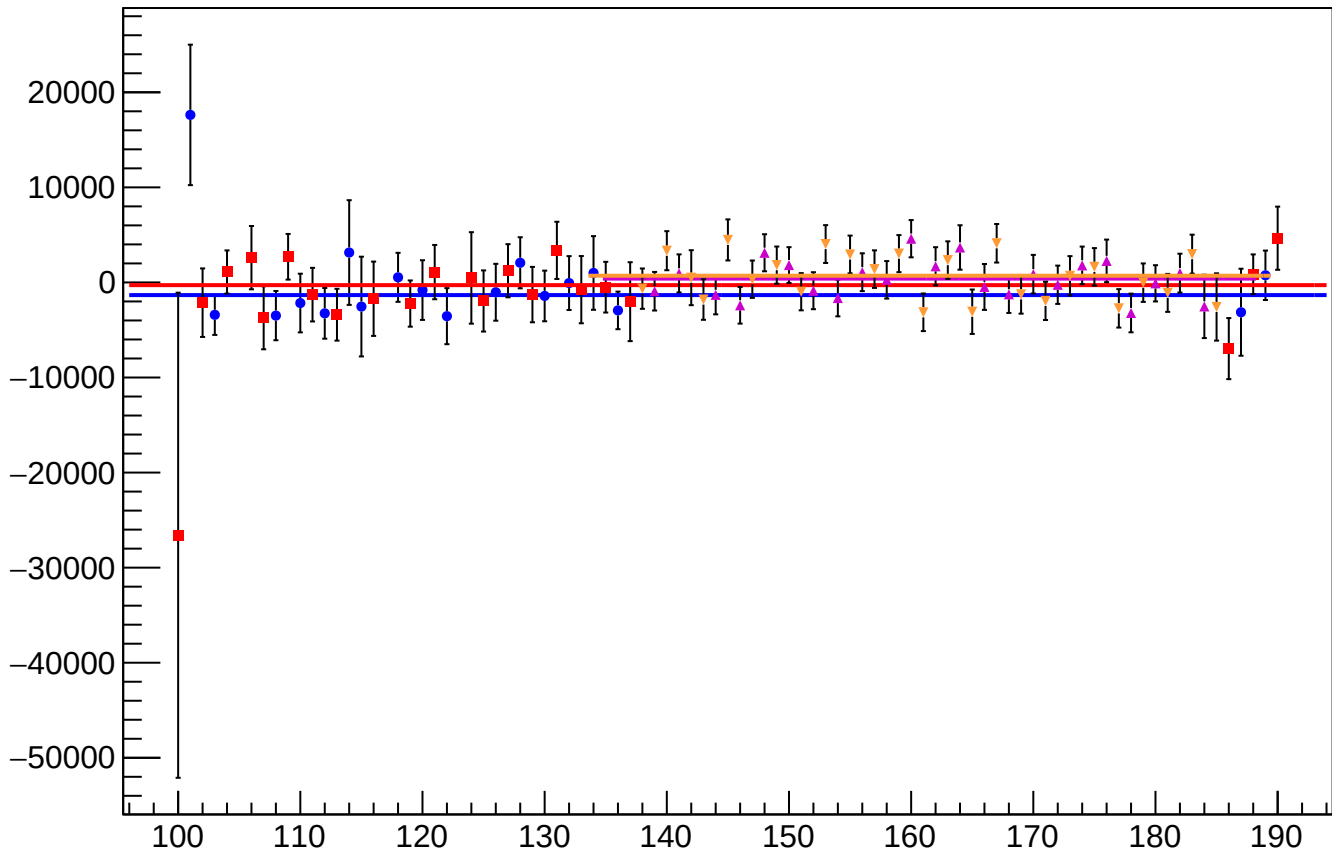
Left In: 4105.057+/-0.693 χ^2/NDF : 1359493.1/22

+ sign 4017.442+/-0.560 χ^2/NDF : 2485437.2/42

All: 3936.852+/-0.391 χ^2/NDF : 6751812.1/87

- sign 3860.021+/-0.546 χ^2/NDF : 4225858.4/44

cor_asym_atr_dd_mean vs Slug



Right In: -1330.917 ± 688.752 χ^2/NDF : 14.3/17

Left Out: 705.801 ± 415.383 χ^2/NDF : 31.9/24

Right Out: -283.965 ± 640.544 χ^2/NDF : 16.7/21

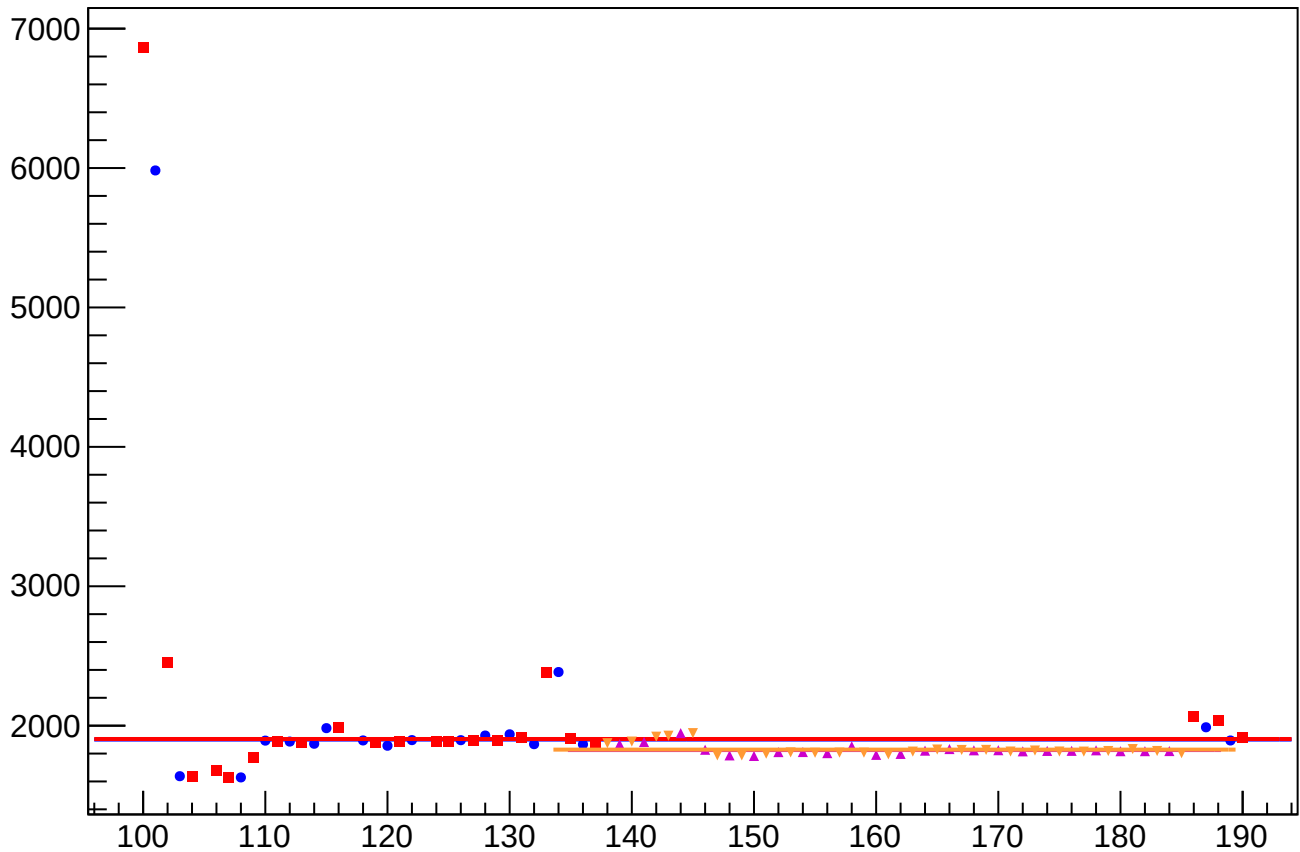
Left In: 402.981 ± 426.215 χ^2/NDF : 20.8/22

+ sign 162.580 ± 355.702 χ^2/NDF : 52.6/42

All: 177.411 ± 251.214 χ^2/NDF : 90.9/87

- sign 192.171 ± 354.840 χ^2/NDF : 38.3/44

cor_asym_atr_dd_rms vs Slug



Right In: 1900.505+/-0.487 χ^2/NDF : 698279.3/17

Left Out: 1828.243+/-0.294 χ^2/NDF : 19329.0/24

Right Out: 1904.544+/-0.452 χ^2/NDF : 232442.1/21

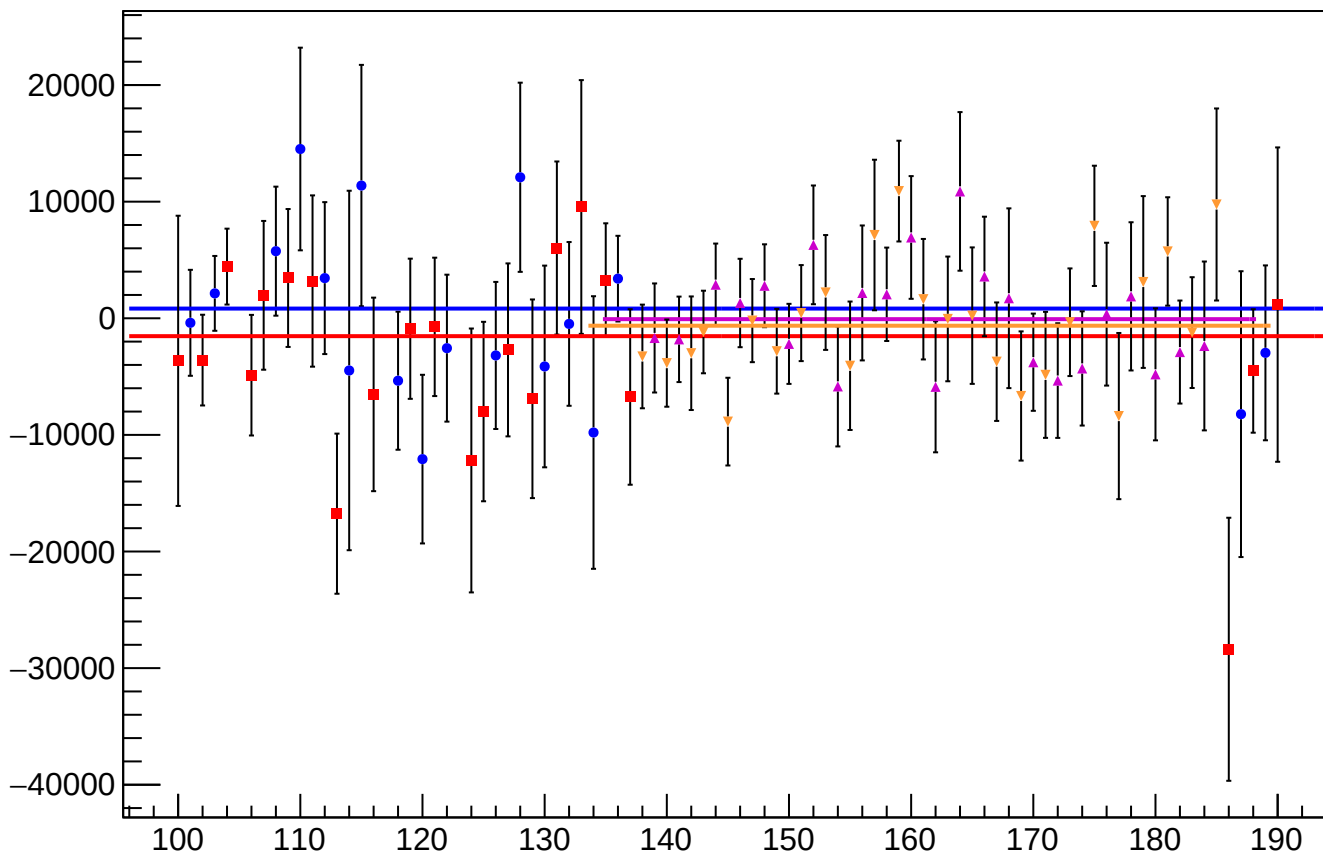
Left In: 1825.165+/-0.301 χ^2/NDF : 13360.2/22

+ sign 1847.516+/-0.252 χ^2/NDF : 733751.8/42

All: 1848.545+/-0.178 χ^2/NDF : 1000914.5/87

- sign 1849.568+/-0.251 χ^2/NDF : 267129.4/44

asym_atr_dd_cor_correction_mean vs Slug



Right In: 831.828 ± 1441.381 χ^2/NDF : 14.2/17

Left Out: -637.720 ± 946.866 χ^2/NDF : 26.0/24

Right Out: -1533.095 ± 1336.321 χ^2/NDF : 22.4/21

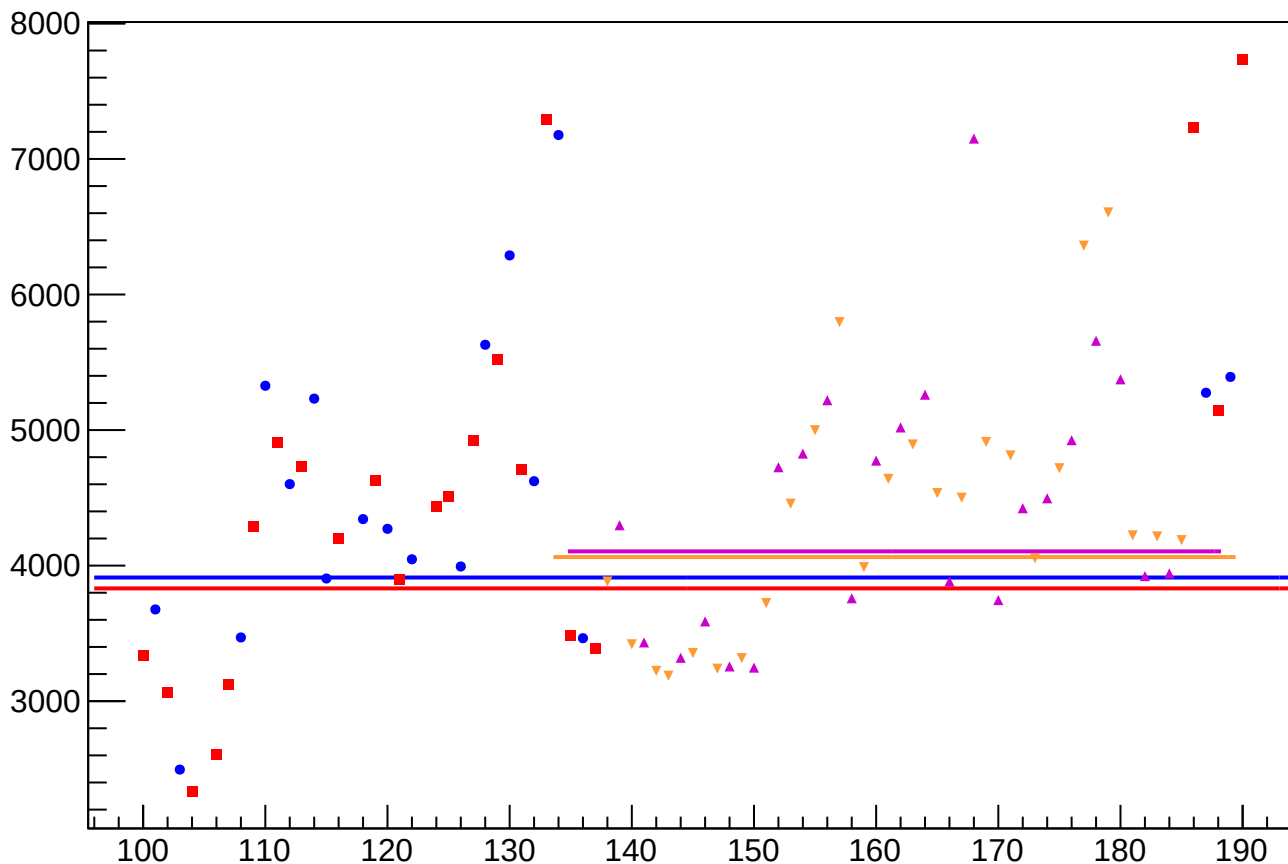
Left In: -75.789 ± 980.241 χ^2/NDF : 15.4/22

+ sign -194.723 ± 791.383 χ^2/NDF : 40.9/42

All: -390.411 ± 559.243 χ^2/NDF : 79.6/87

- sign -585.609 ± 790.395 χ^2/NDF : 38.6/44

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3912.162 $\pm$ 1.019 χ^2 /NDF: 1064433.5/17

Left Out: 4063.106 $\pm$ 0.670 χ^2 /NDF:1405030.5/24

Right Out: 3831.807 $\pm$ 0.945 χ^2 /NDF: 1632565.9/21

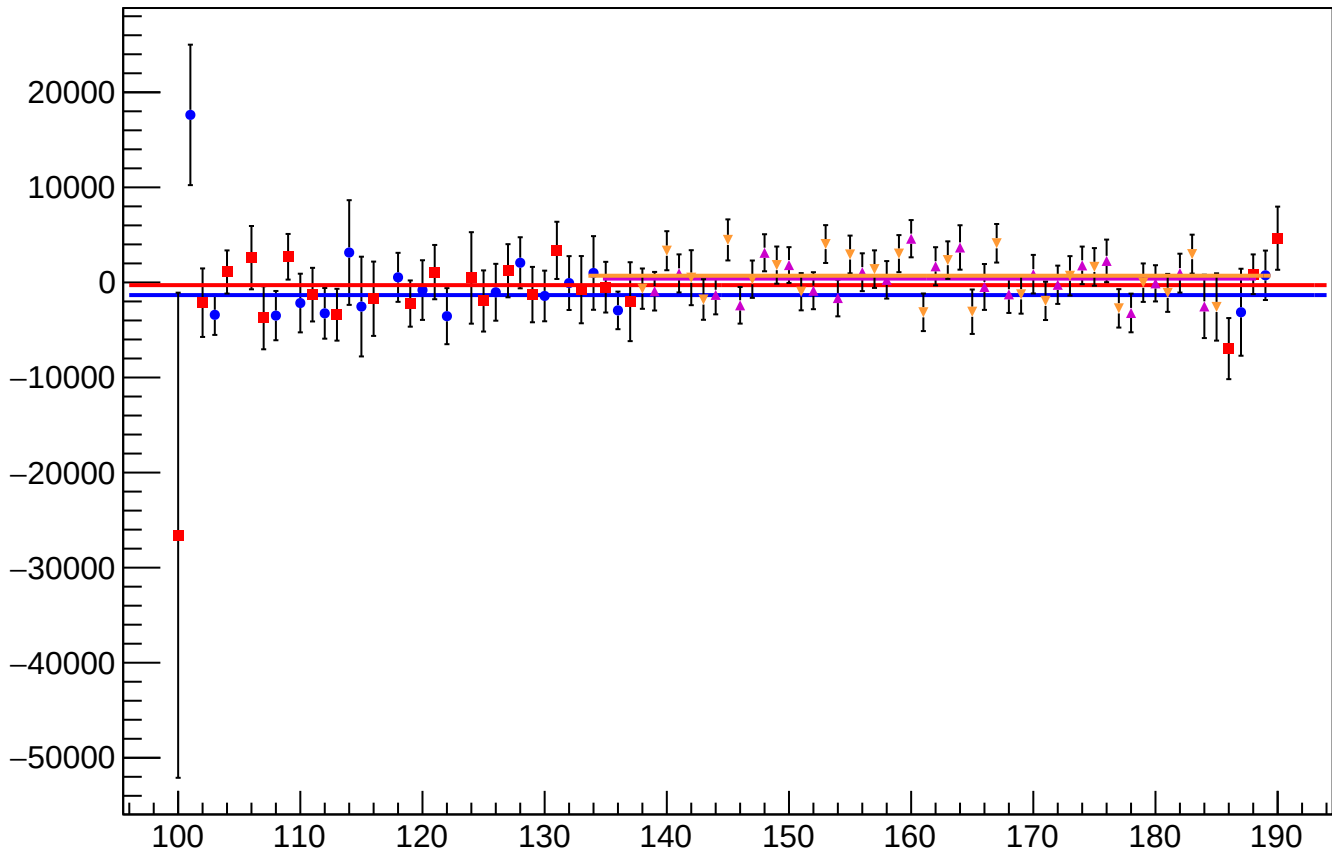
Left In: 4105.050 $\pm$ 0.693 χ^2 /NDF:1359501.9/22

+ sign 4017.604 $\pm$ 0.560 χ^2 /NDF: 2484785.5/42

All: 4013.526 $\pm$ 0.395 χ^2 /NDF: 5531325.2/87

- sign 4009.459 $\pm$ 0.559 χ^2 /NDF: 3046433.7/44

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1330.917 ± 688.752 $\chi^2/\text{NDF}: 14.3/17$

Left Out: 705.801 ± 415.383 $\chi^2/\text{NDF}: 31.9/24$

Right Out: -283.965 ± 640.544 $\chi^2/\text{NDF}: 16.7/21$

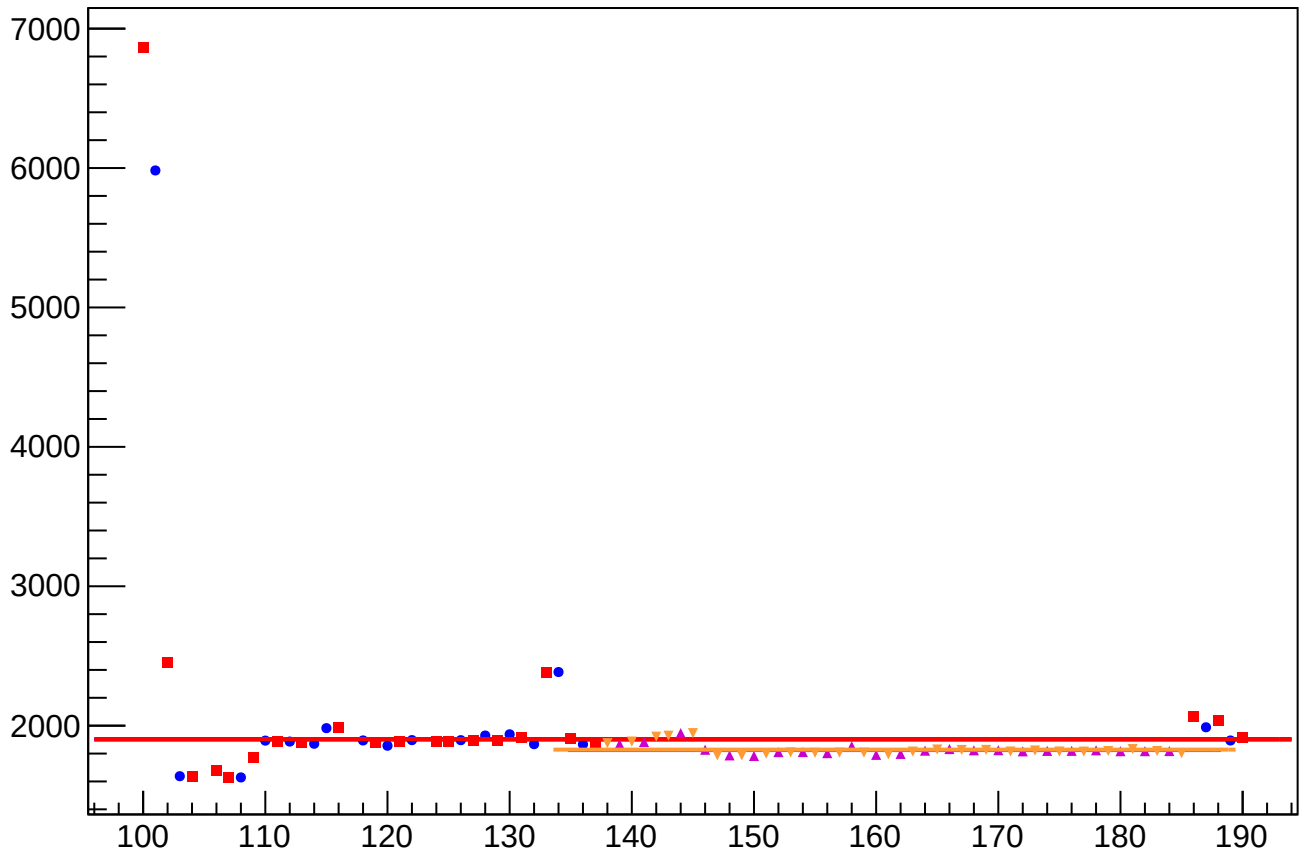
Left In: 402.981 ± 426.215 $\chi^2/\text{NDF}: 20.8/22$

+ sign 162.580 ± 355.702 $\chi^2/\text{NDF}: 52.6/42$

All: 177.411 ± 251.214 $\chi^2/\text{NDF}: 90.9/87$

- sign 192.171 ± 354.840 $\chi^2/\text{NDF}: 38.3/44$

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1900.505+/-0.487 χ^2/NDF : 698279.3/17

Left Out: 1828.243+/-0.294 χ^2/NDF : 19329.0/24

Right Out: 1904.544+/-0.452 χ^2/NDF : 232442.1/21

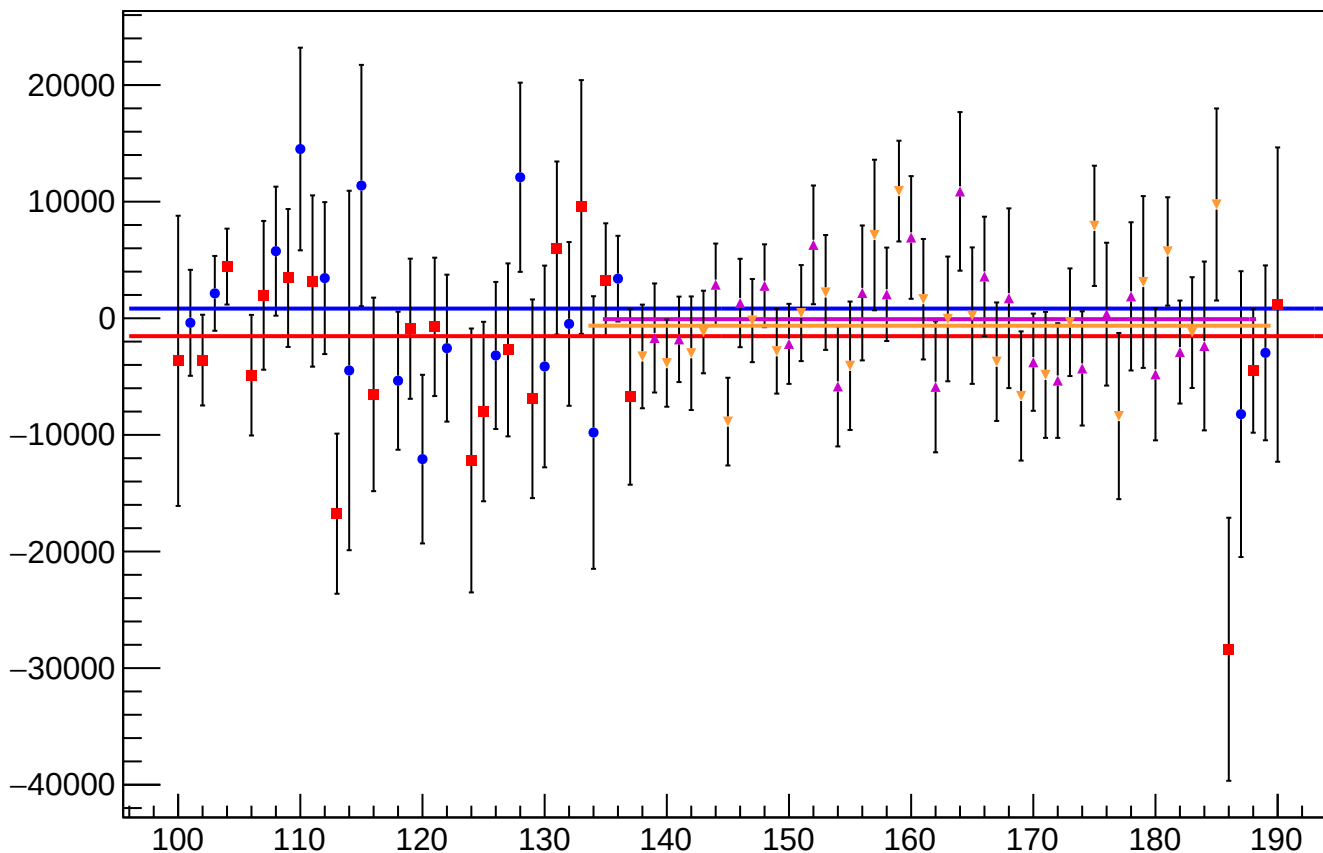
Left In: 1825.165+/-0.301 χ^2/NDF : 13360.2/22

+ sign 1847.516+/-0.252 χ^2/NDF : 733751.8/42

All: 1848.545+/-0.178 χ^2/NDF : 1000914.5/87

- sign 1849.568+/-0.251 χ^2/NDF : 267129.4/44

asym_atr_dd_eigen_cor_correction_mean vs Slug



Right In: 831.828 ± 1441.381 χ^2/NDF : 14.2/17

Left Out: -637.720 ± 946.866 χ^2/NDF : 26.0/24

Right Out: -1533.095 ± 1336.321 χ^2/NDF : 22.4/21

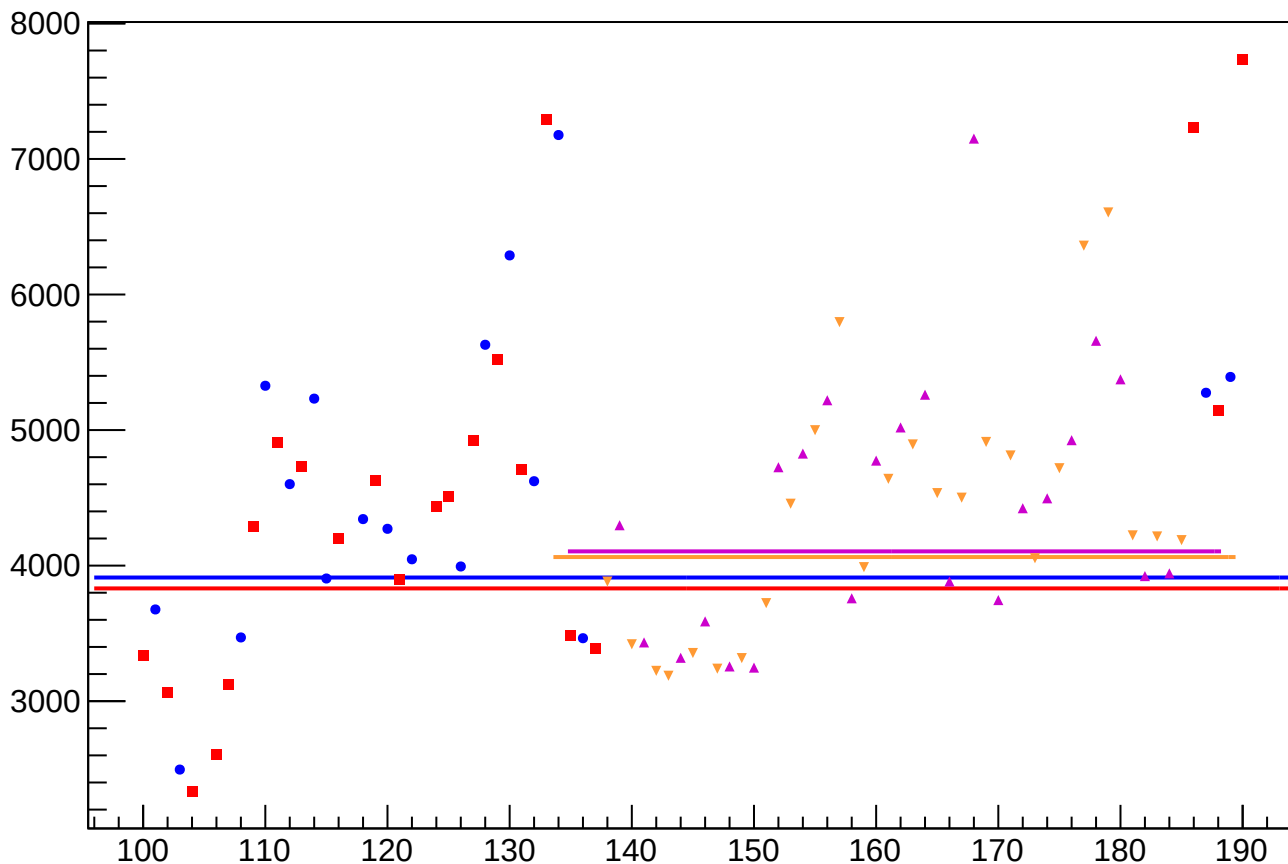
Left In: -75.789 ± 980.241 χ^2/NDF : 15.4/22

+ sign -194.723 ± 791.383 χ^2/NDF : 40.9/42

All: -390.411 ± 559.243 χ^2/NDF : 79.6/87

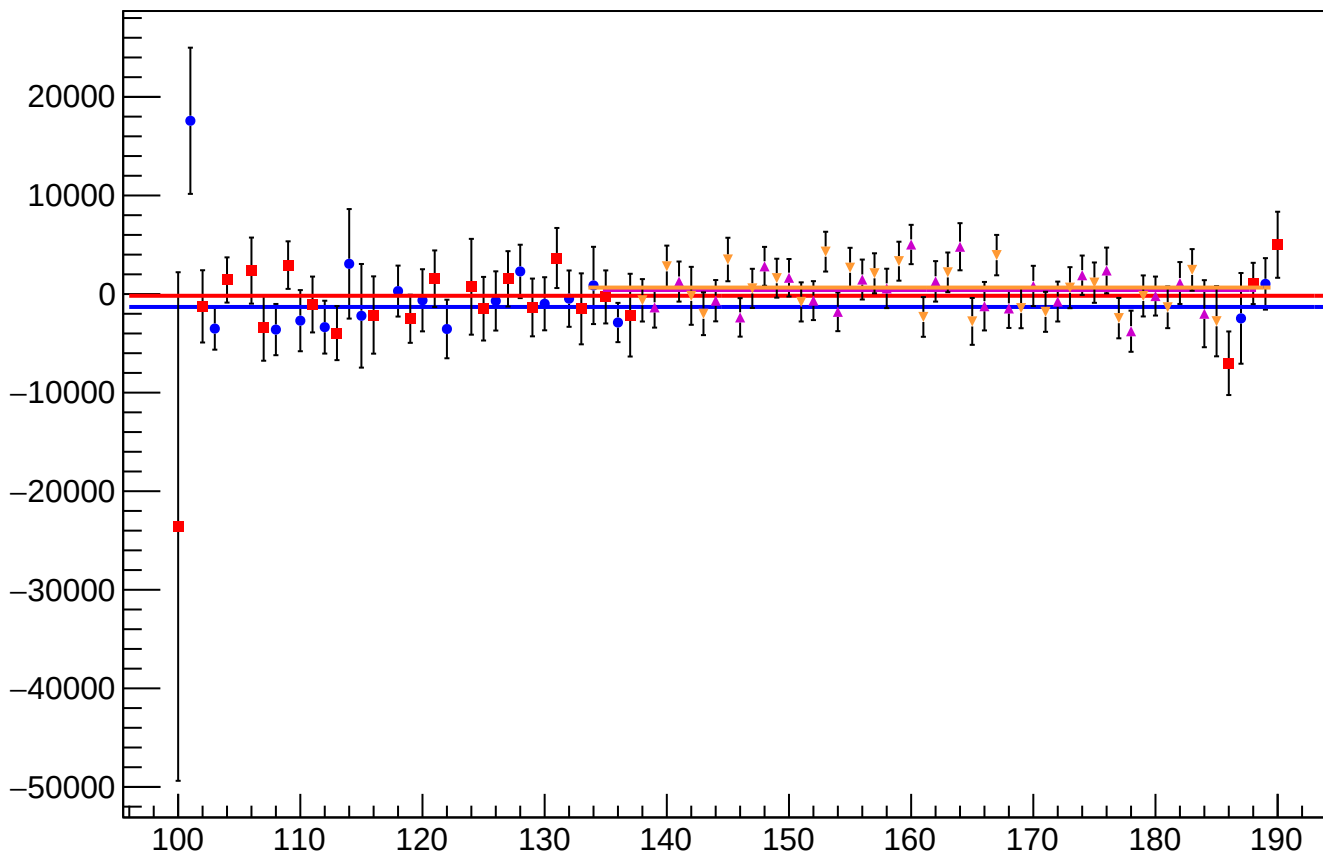
- sign -585.609 ± 790.395 χ^2/NDF : 38.6/44

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3912.162 $\pm$ 1.019	χ^2 /NDF: 1064433.5/17	+ sign 4017.604 $\pm$ 0.560	χ^2 /NDF: 2484785.5/42
Left Out: 4063.106 $\pm$ 0.670	χ^2 /NDF: 1405030.5/24	All: 4013.526 $\pm$ 0.395	χ^2 /NDF: 5531325.2/87
Right Out: 3831.807 $\pm$ 0.945	χ^2 /NDF: 1632565.9/21	- sign 4009.459 $\pm$ 0.559	χ^2 /NDF: 3046433.7/44
Left In: 4105.050 $\pm$ 0.693	χ^2 /NDF: 1359501.9/22		

dit_asym_atr_dd_mean vs Slug



Right In: -1309.406 ± 693.477 χ^2/NDF : 14.5/17

Left Out: 657.616 ± 423.063 χ^2/NDF : 27.0/24

Right Out: -175.288 ± 644.996 χ^2/NDF : 18.0/21

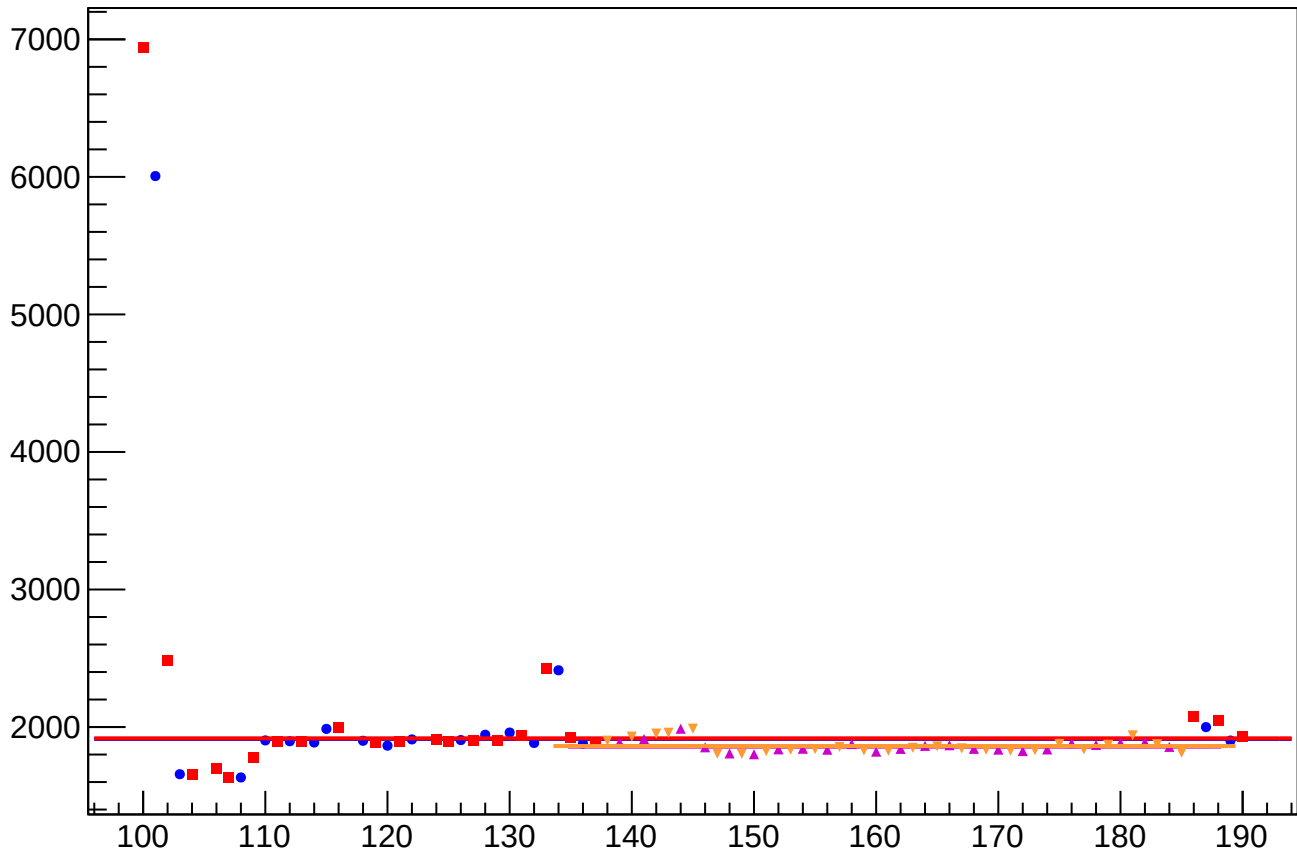
Left In: 410.869 ± 433.856 χ^2/NDF : 23.6/22

+ sign 124.101 ± 361.161 χ^2/NDF : 47.4/42

All: 176.357 ± 254.965 χ^2/NDF : 89.7/87

- sign 228.275 ± 359.993 χ^2/NDF : 42.2/44

dit_asym_atr_dd_rms vs Slug



Right In: 1913.609 $\pm$ 0.490 χ^2 /NDF: 696963.0/17

Left Out: 1861.731 $\pm$ 0.299 χ^2 /NDF: 26014.9/24

Right Out: 1917.659 $\pm$ 0.456 χ^2 /NDF: 234295.6/21

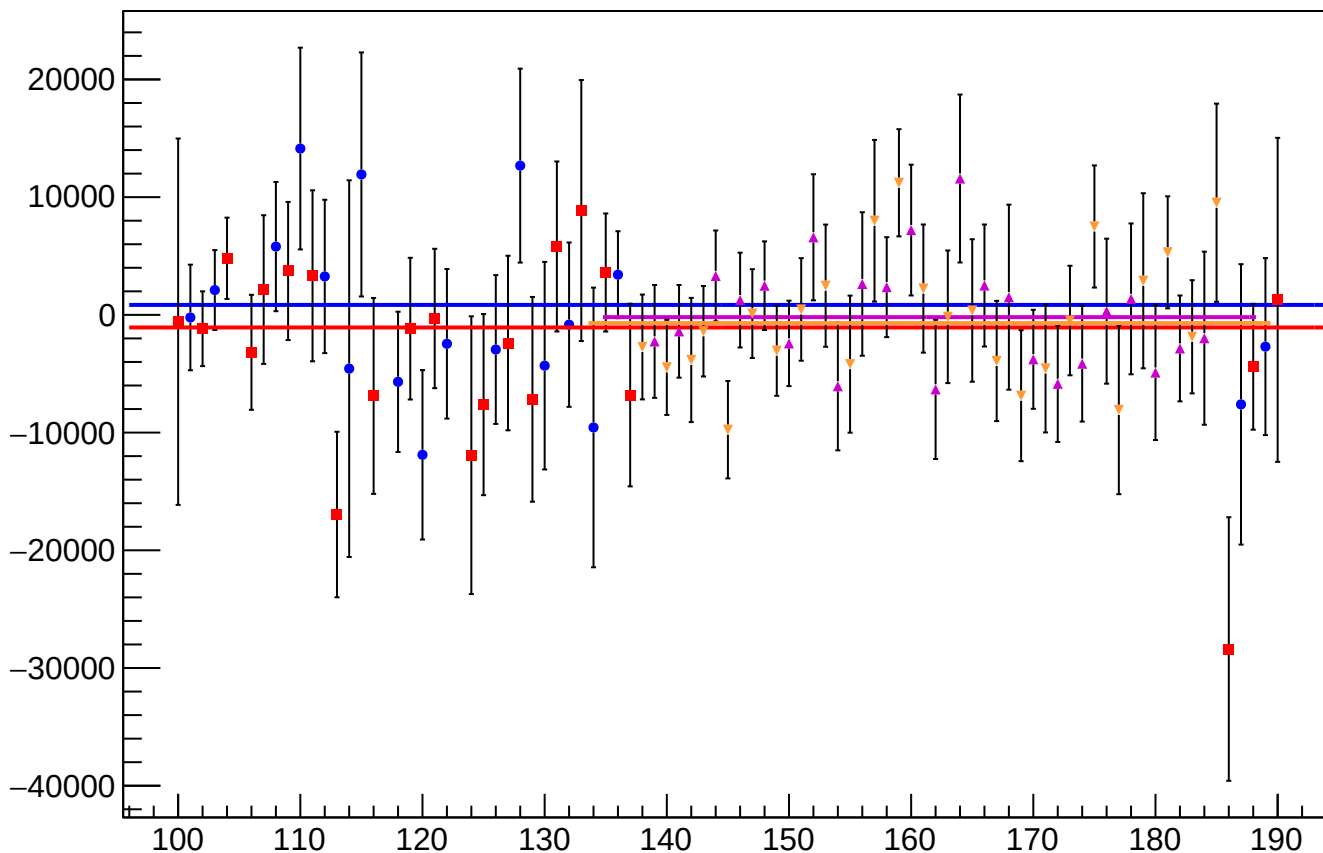
Left In: 1857.661 $\pm$ 0.307 χ^2 /NDF: 16381.0/22

+ sign 1875.802 $\pm$ 0.255 χ^2 /NDF: 731134.8/42

All: 1876.089 $\pm$ 0.180 χ^2 /NDF: 993743.1/87

- sign 1876.373 $\pm$ 0.254 χ^2 /NDF: 262605.8/44

asym_atr_dd_dit_correction_mean vs Slug



Right In: 846.019 ± 1457.765 χ^2/NDF : 14.2/17

Left Out: -698.287 ± 990.035 χ^2/NDF : 25.3/24

Right Out: -1069.921 ± 1312.614 χ^2/NDF : 21.6/21

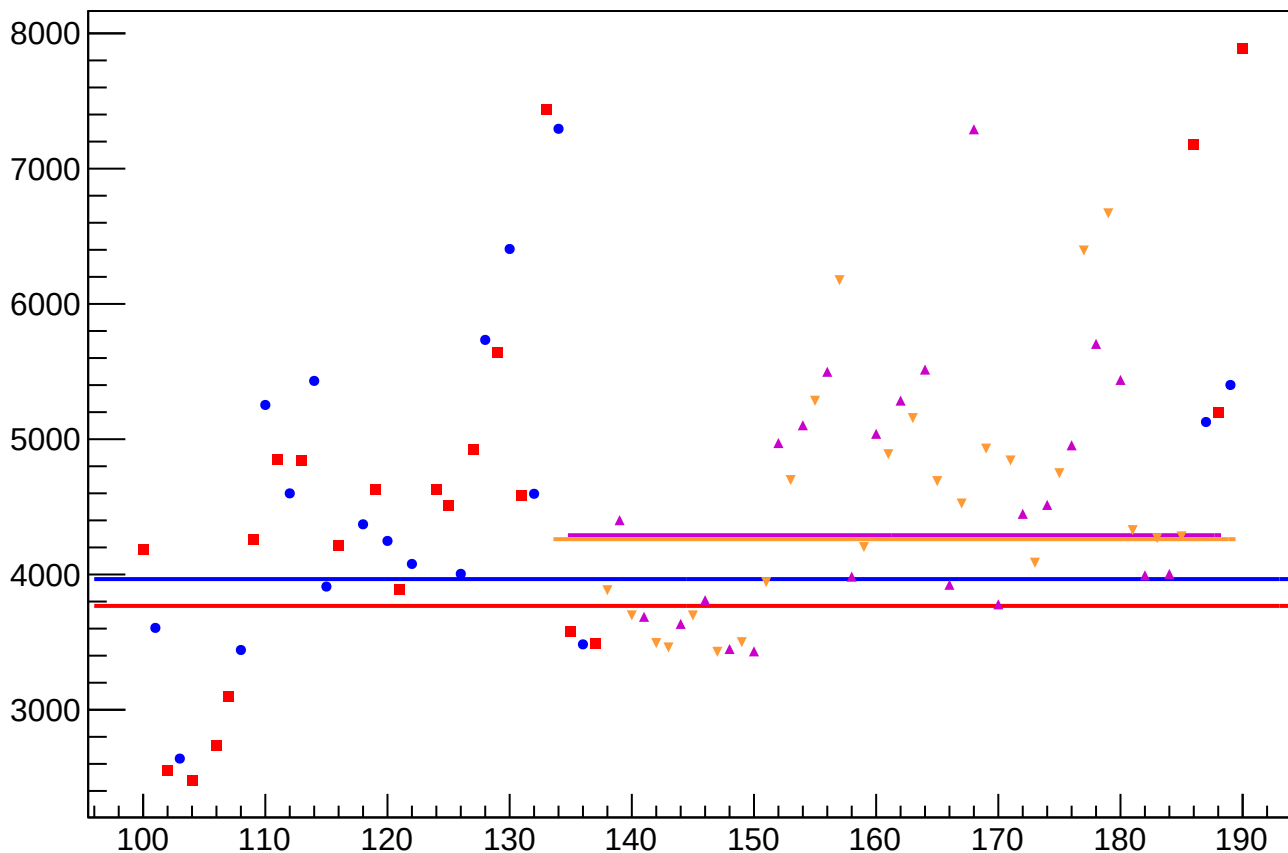
Left In: -192.486 ± 1022.469 χ^2/NDF : 15.2/22

+ sign -210.828 ± 819.011 χ^2/NDF : 40.3/42

All: -369.716 ± 574.700 χ^2/NDF : 77.4/87

- sign -523.835 ± 806.627 χ^2/NDF : 37.0/44

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3966.013 ± 1.031 $\chi^2/\text{NDF}: 975339.7/17$

Left Out: 4261.124 ± 0.700 $\chi^2/\text{NDF}: 1190561.4/24$

Right Out: 3767.804 ± 0.928 $\chi^2/\text{NDF}: 1766243.0/21$

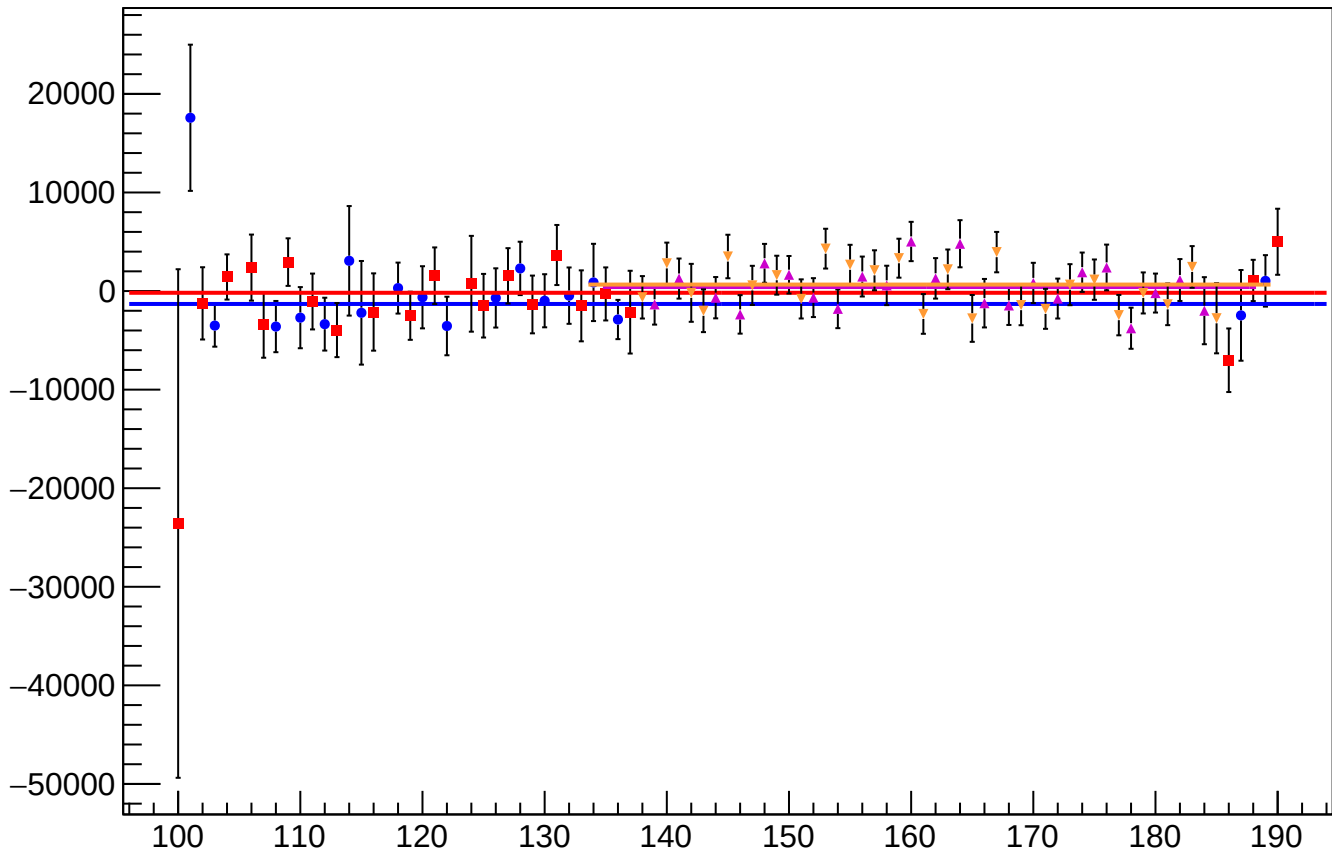
Left In: 4290.398 ± 0.723 $\chi^2/\text{NDF}: 1213964.7/22$

+ sign 4167.972 ± 0.579 $\chi^2/\text{NDF}: 2221993.6/42$

All: 4129.940 ± 0.406 $\chi^2/\text{NDF}: 5407998.5/87$

- sign 4093.049 ± 0.570 $\chi^2/\text{NDF}: 3177508.7/44$

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1309.411 ± 693.477 χ^2/NDF : 14.5/17

Left Out: 657.622 ± 423.063 χ^2/NDF : 27.0/24

Right Out: -175.282 ± 644.996 χ^2/NDF : 18.0/21

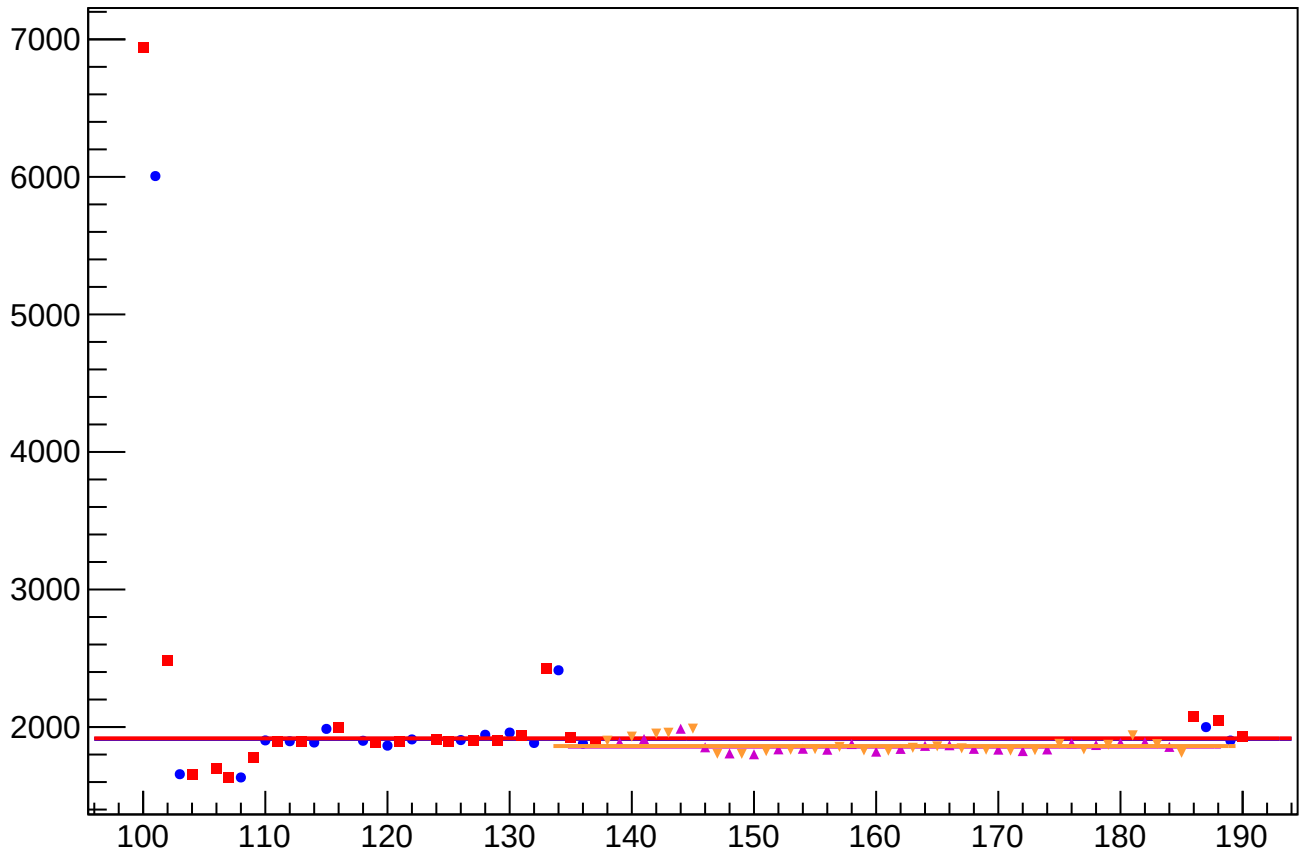
Left In: 410.869 ± 433.856 χ^2/NDF : 23.6/22

+ sign 124.104 ± 361.161 χ^2/NDF : 47.4/42

All: 176.359 ± 254.965 χ^2/NDF : 89.7/87

- sign 228.276 ± 359.993 χ^2/NDF : 42.2/44

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1913.609 $\pm$ 0.490 χ^2 /NDF: 696962.9/17

Left Out: 1861.731 $\pm$ 0.299 χ^2 /NDF: 26014.9/24

Right Out: 1917.659 $\pm$ 0.456 χ^2 /NDF: 234295.6/21

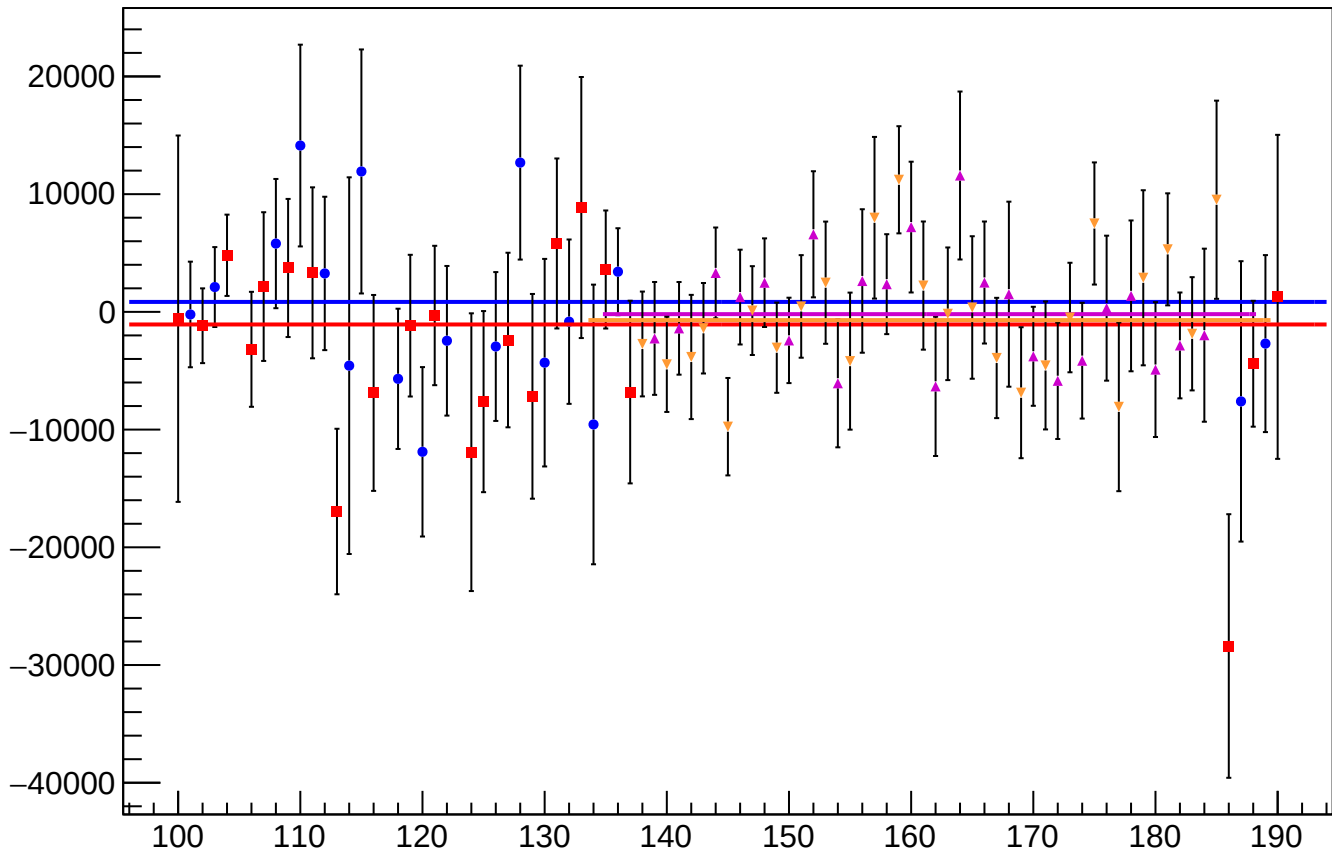
Left In: 1857.661 $\pm$ 0.307 χ^2 /NDF: 16380.9/22

+ sign 1875.802 $\pm$ 0.255 χ^2 /NDF: 731134.4/42

All: 1876.089 $\pm$ 0.180 χ^2 /NDF: 993742.5/87

- sign 1876.374 $\pm$ 0.254 χ^2 /NDF: 262605.5/44

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 846.006 $\pm$ 1457.764 χ^2 /NDF: 14.2/17

Left Out: -698.285 $\pm$ 990.036 χ^2 /NDF: 25.3/24

Right Out: -1069.919 $\pm$ 1312.613 χ^2 /NDF: 21.6/21

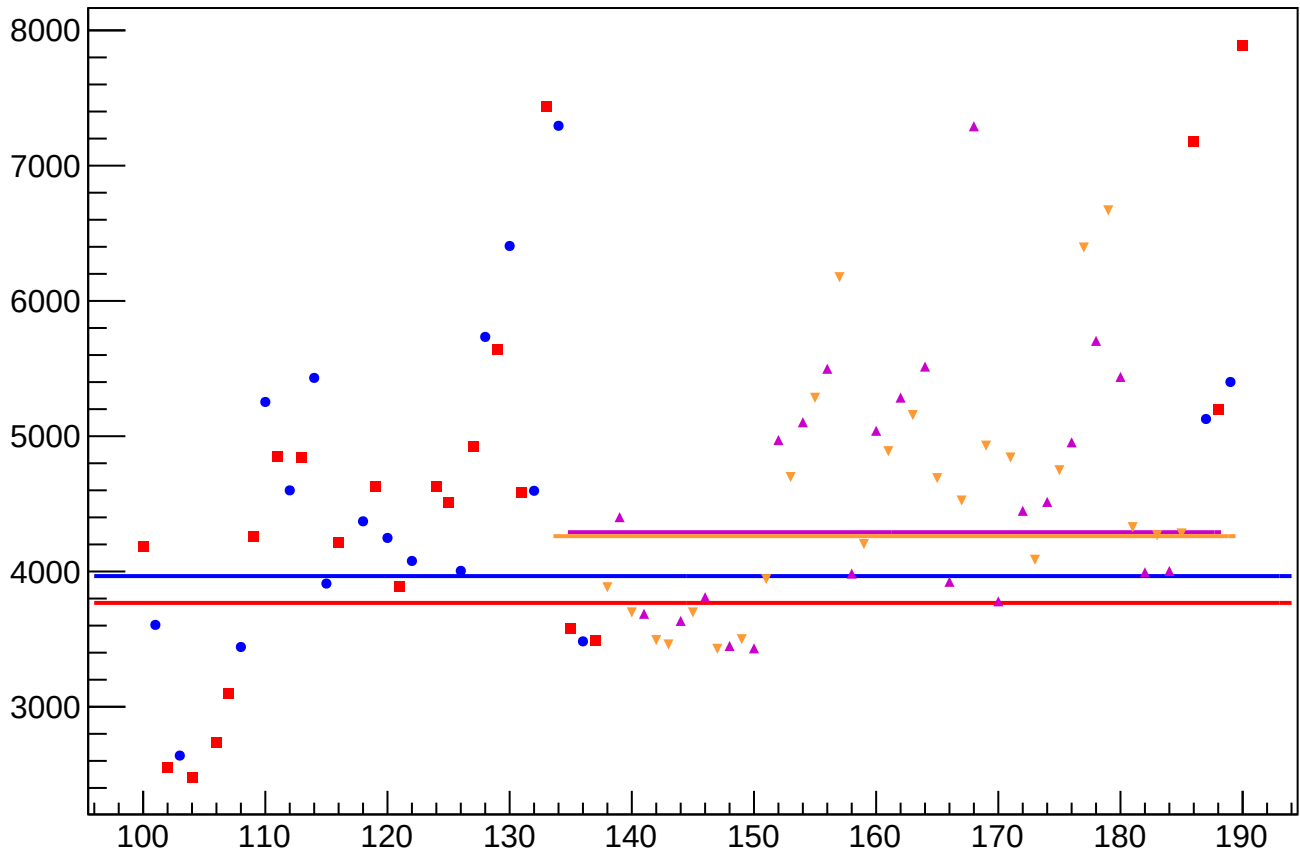
Left In: -192.488 $\pm$ 1022.471 χ^2 /NDF: 15.2/22

+ sign -210.830 $\pm$ 819.012 χ^2 /NDF: 40.3/42

All: -369.718 $\pm$ 574.700 χ^2 /NDF: 77.4/87

- sign -523.837 $\pm$ 806.628 χ^2 /NDF: 37.0/44

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3966.010 $\pm$ 1.031 χ^2 /NDF: 975331.9/17

Left Out: 4261.131 $\pm$ 0.700 χ^2 /NDF:1190564.2/24

Right Out: 3767.802 $\pm$ 0.928 χ^2 /NDF: 1766235.6/21

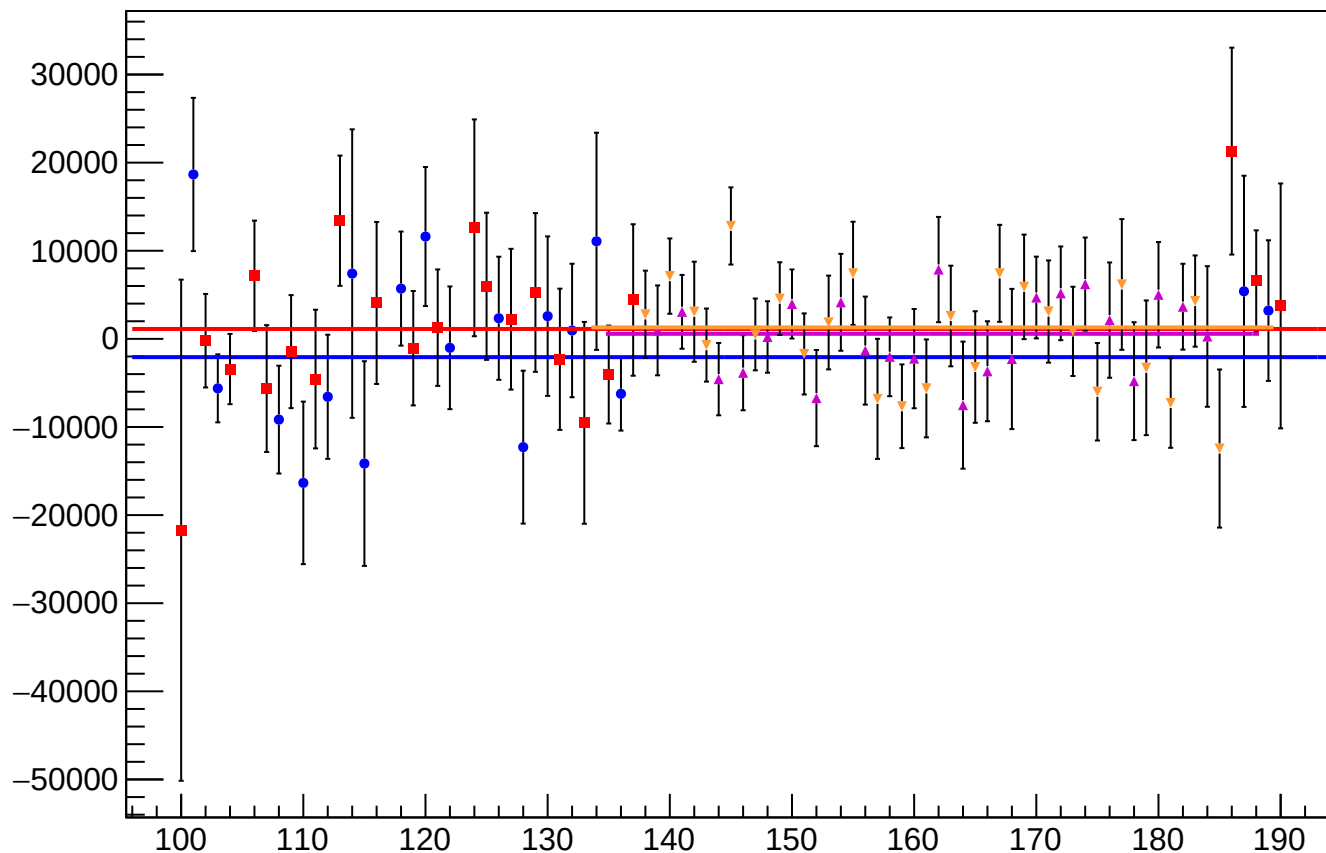
Left In: 4290.404 $\pm$ 0.723 χ^2 /NDF:1213970.5/22

+ sign 4167.976 $\pm$ 0.579 χ^2 /NDF: 2221992.2/42

All: 4129.943 $\pm$ 0.406 χ^2 /NDF: 5408002.7/87

- sign 4093.051 $\pm$ 0.570 χ^2 /NDF: 3177514.0/44

asym_atr_dd_mean vs Slug



Right In: -2074.533 ± 1667.471 χ^2/NDF : 21.7/17

Left Out: 1298.373 ± 1049.555 χ^2/NDF : 28.5/24

Right Out: 1125.143 ± 1538.035 χ^2/NDF : 14.9/21

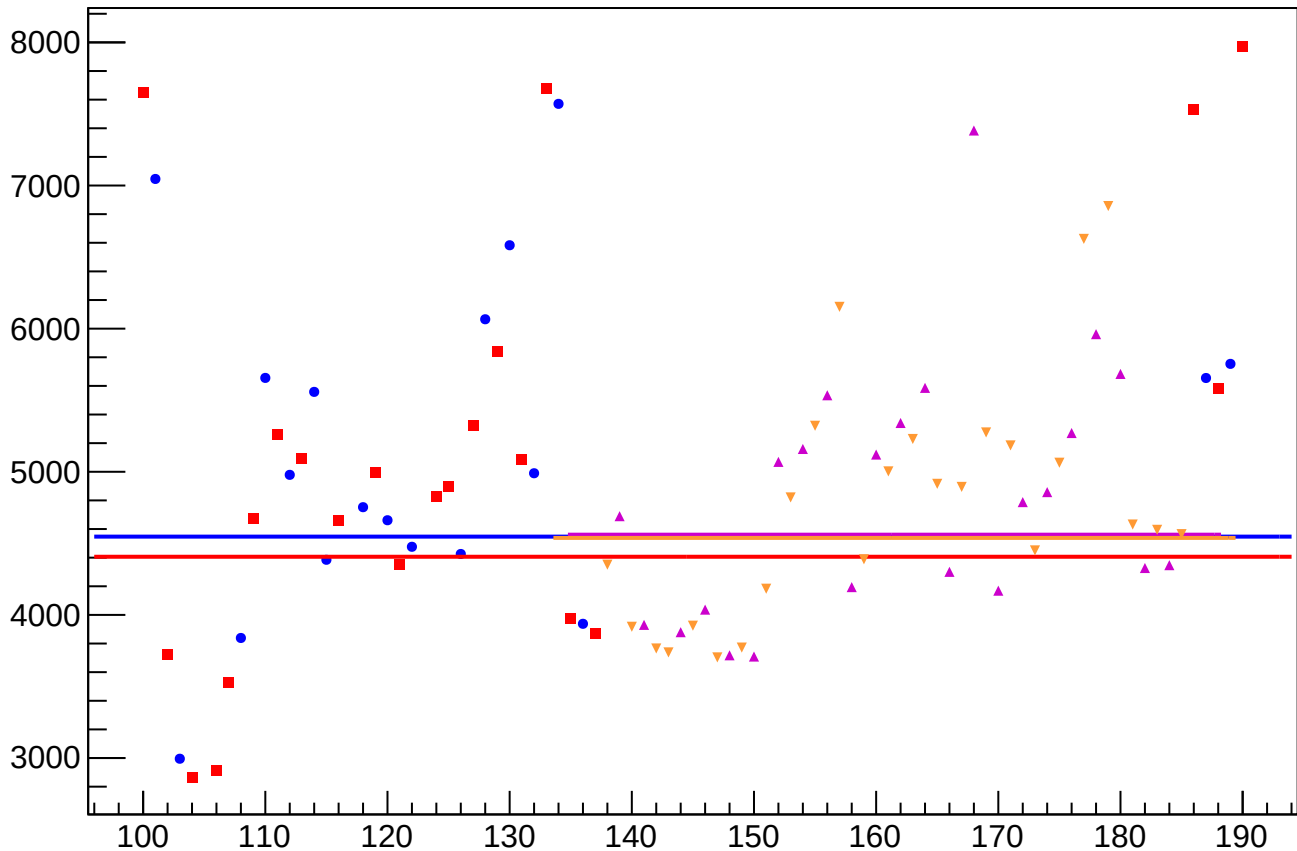
Left In: 576.442 ± 1082.127 χ^2/NDF : 14.4/22

+ sign 341.275 ± 888.248 χ^2/NDF : 53.1/42

All: 550.458 ± 626.943 χ^2/NDF : 82.6/87

- sign 758.124 ± 885.023 χ^2/NDF : 29.4/44

asym_atr_dd_rms vs Slug



Right In: 4546.993+/-1.179 χ^2/NDF : 955511.1/17

Left Out: 4537.934+/-0.742 χ^2/NDF : 992905.4/24

Right Out: 4406.348+/-1.080 χ^2/NDF : 1235057.2/21

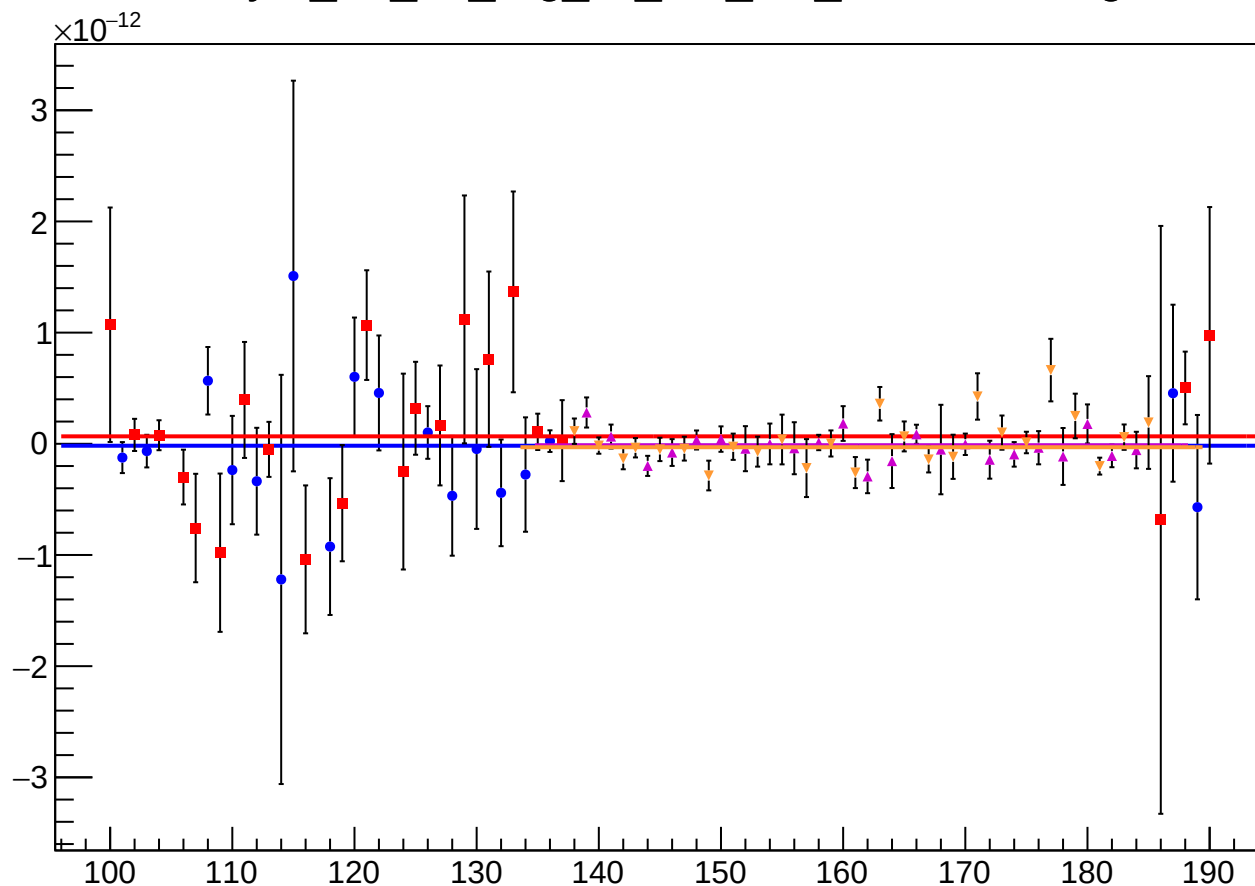
Left In: 4560.506+/-0.765 χ^2/NDF : 980201.3/22

+ sign 4540.505+/-0.628 χ^2/NDF : 1948458.8/42

All: 4524.635+/-0.443 χ^2/NDF : 4178558.6/87

- sign 4508.958+/-0.624 χ^2/NDF : 2228830.8/44

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.6/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 37.9/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.8/21

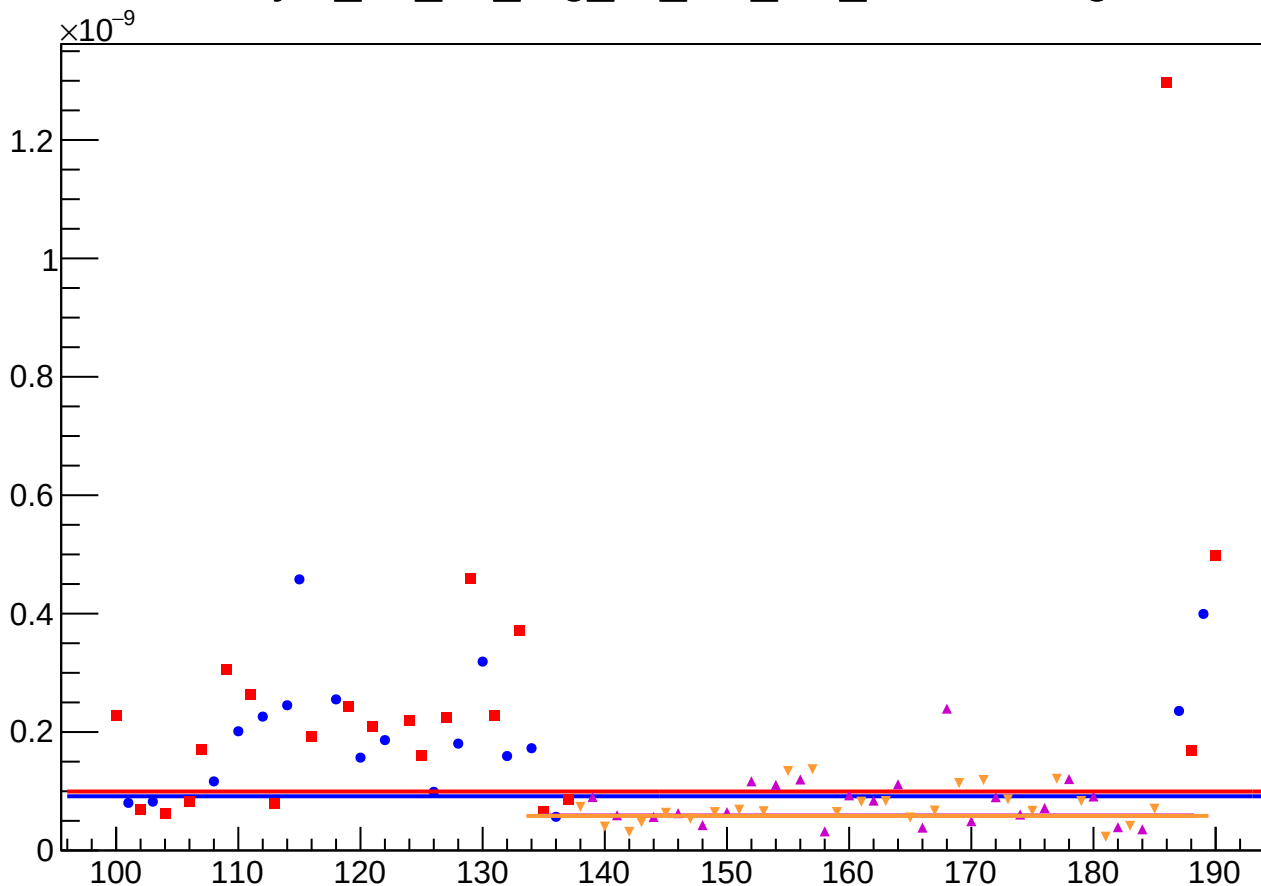
Left In: -0.000 ± 0.000 χ^2/NDF : 20.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 51.5/42

All: -0.000 ± 0.000 χ^2/NDF : 97.8/87

- sign -0.000 ± 0.000 χ^2/NDF : 45.7/44

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1575216.2/17

Left Out: 0.000+/-0.000 χ^2/NDF :1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2445584.1/21

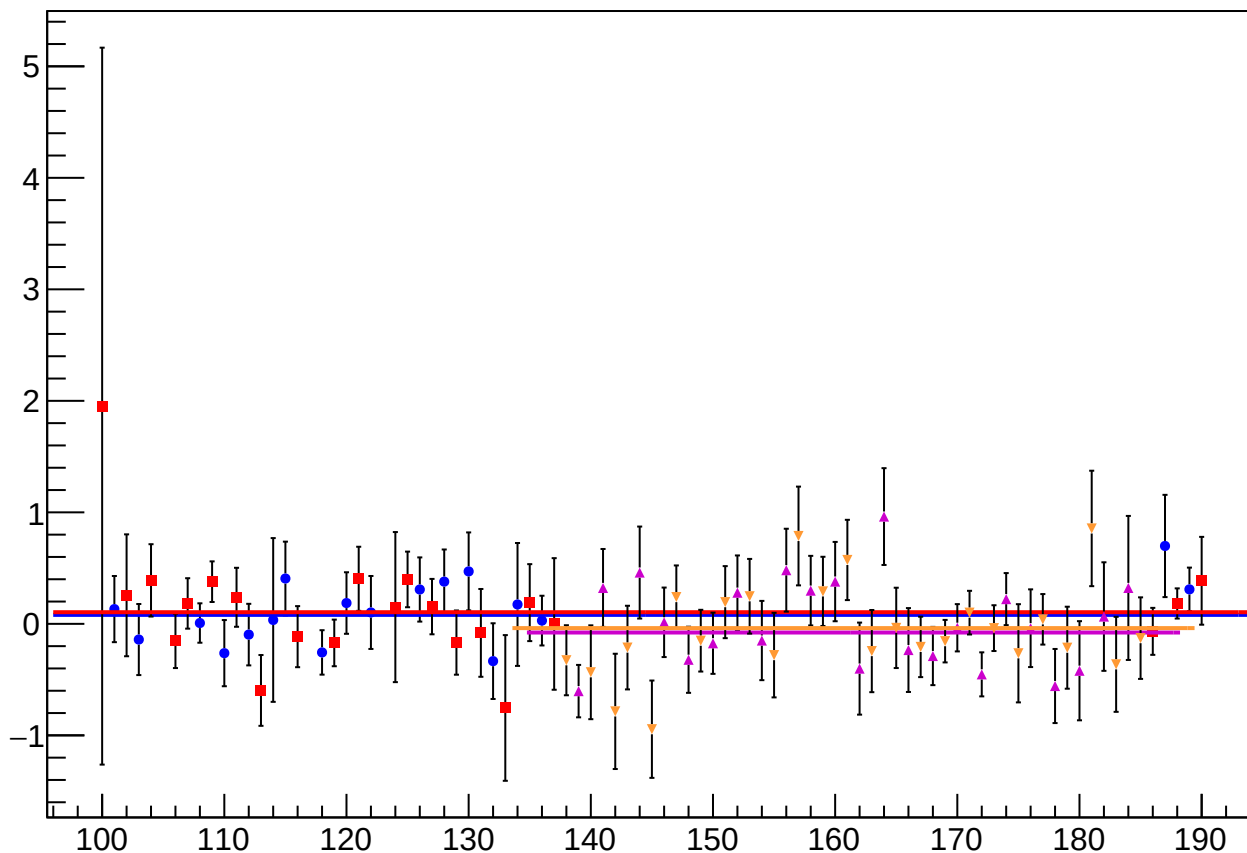
Left In: 0.000+/-0.000 χ^2/NDF :2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 4015887.6/42

All: 0.000+/-0.000 χ^2/NDF : 9213884.6/87

- sign 0.000+/-0.000 χ^2/NDF : 5194446.4/44

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.080 $\pm$ 0.066 χ^2 /NDF: 14.1/17

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF: 24.4/24

Right Out: 0.104 $\pm$ 0.058 χ^2 /NDF: 19.2/21

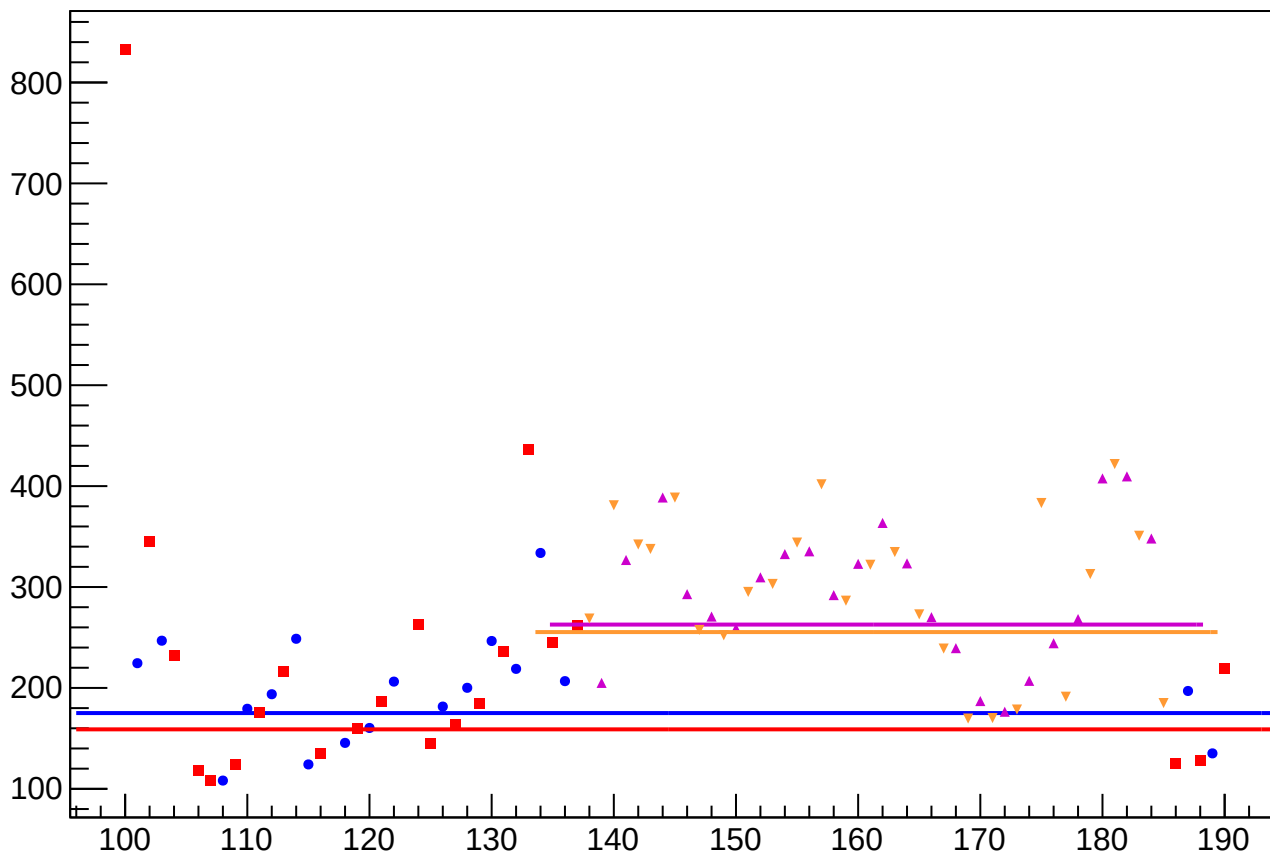
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF: 31.1/22

+ sign 0.018 $\pm$ 0.045 χ^2 /NDF: 40.3/42

All: 0.021 $\pm$ 0.031 χ^2 /NDF: 94.9/87

- sign 0.024 $\pm$ 0.043 χ^2 /NDF: 54.7/44

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 175.093±/0.046 χ^2/NDF : 1015719.6/17

Left Out: 255.355±/0.044 χ^2/NDF : 2935324.6/24

Right Out: 158.950±/0.041 χ^2/NDF : 1650349.3/21

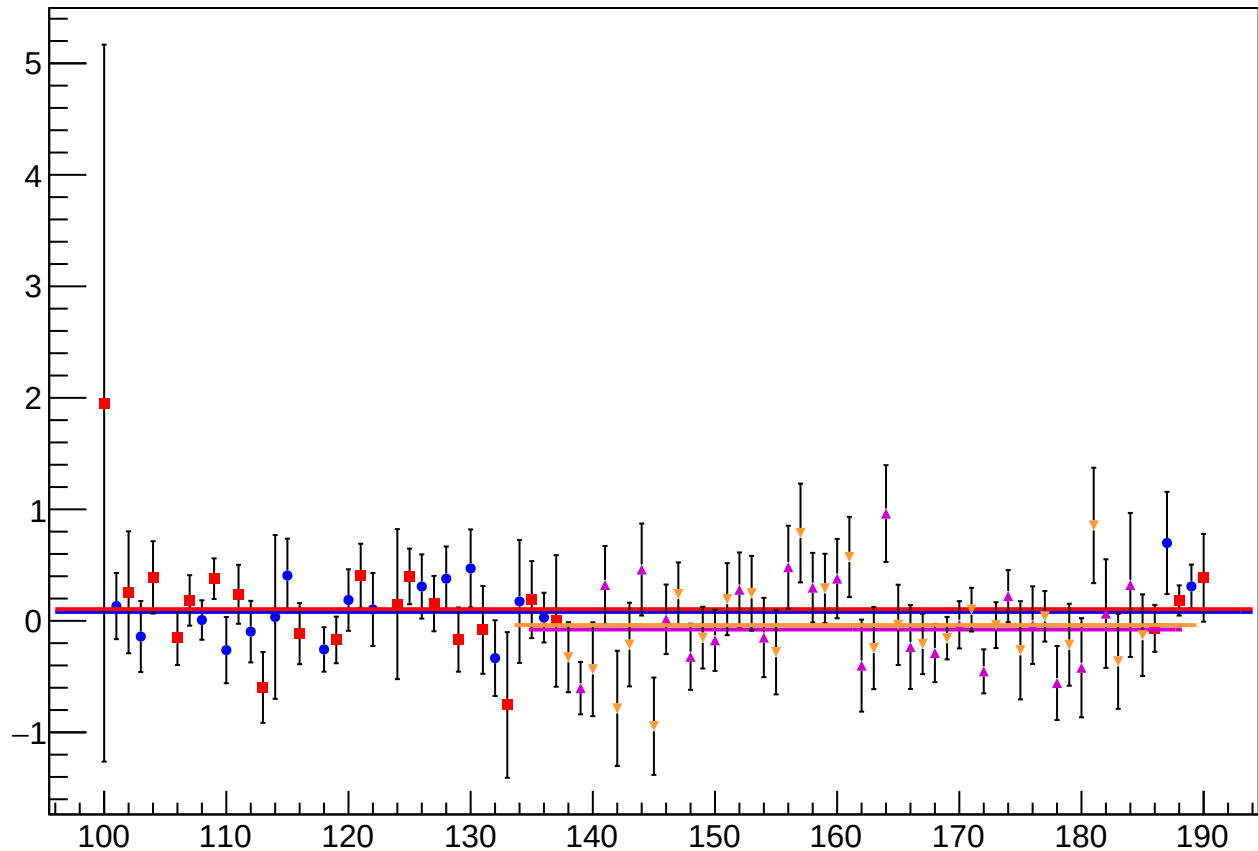
Left In: 262.788±/0.046 χ^2/NDF : 2025363.4/22

+ sign 217.591±/0.032 χ^2/NDF : 5532013.0/42

All: 210.825±/0.022 χ^2/NDF : 12161820.0/87

- sign 204.650±/0.030 χ^2/NDF : 6543546.1/44

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.080 $\pm$ 0.066 χ^2 /NDF: 14.1/17

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF: 24.4/24

Right Out: 0.104 $\pm$ 0.058 χ^2 /NDF: 19.2/21

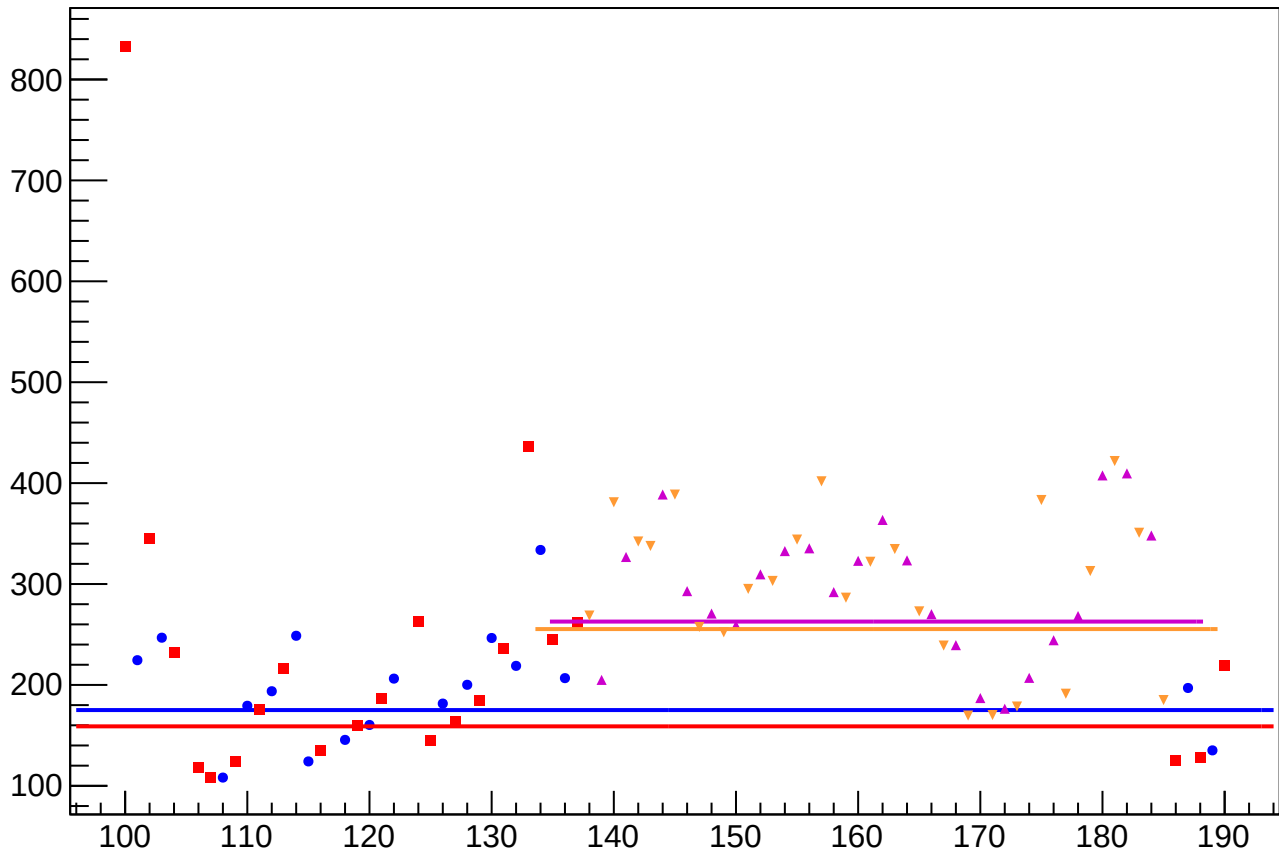
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF: 31.1/22

+ sign 0.018 $\pm$ 0.045 χ^2 /NDF: 40.3/42

All: 0.021 $\pm$ 0.031 χ^2 /NDF: 94.9/87

- sign 0.024 $\pm$ 0.043 χ^2 /NDF: 54.7/44

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 175.093 $\pm$ 0.046 χ^2 /NDF: 1015719.6/17

Left Out: 255.355 $\pm$ 0.044 χ^2 /NDF: 2935324.6/24

Right Out: 158.950 $\pm$ 0.041 χ^2 /NDF: 1650349.3/21

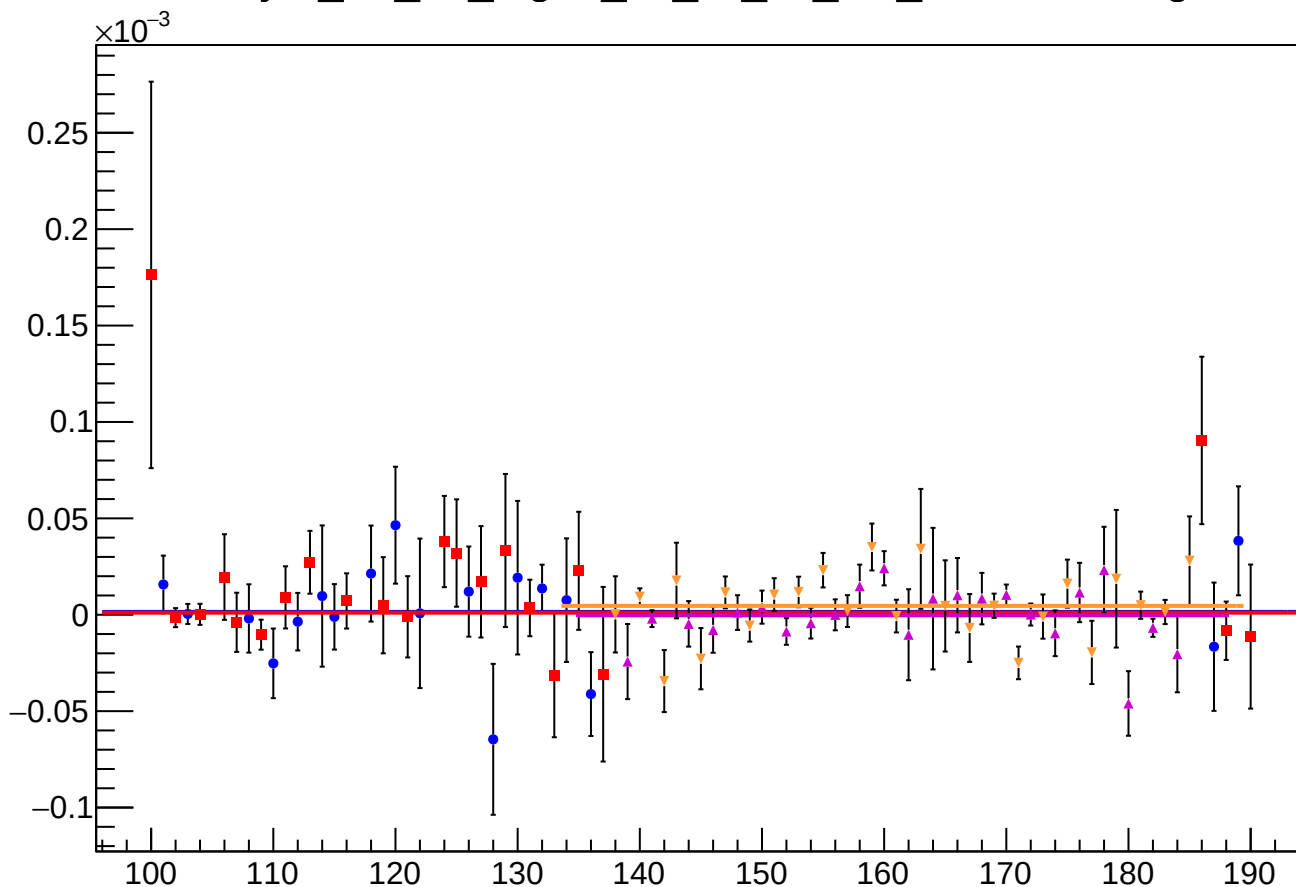
Left In: 262.788 $\pm$ 0.046 χ^2 /NDF: 2025363.4/22

+ sign 217.591 $\pm$ 0.032 χ^2 /NDF: 5532013.0/42

All: 210.825 $\pm$ 0.022 χ^2 /NDF: 12161820.0/87

- sign 204.650 $\pm$ 0.030 χ^2 /NDF: 6543546.1/44

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 16.3/17$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 43.4/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 20.7/21$

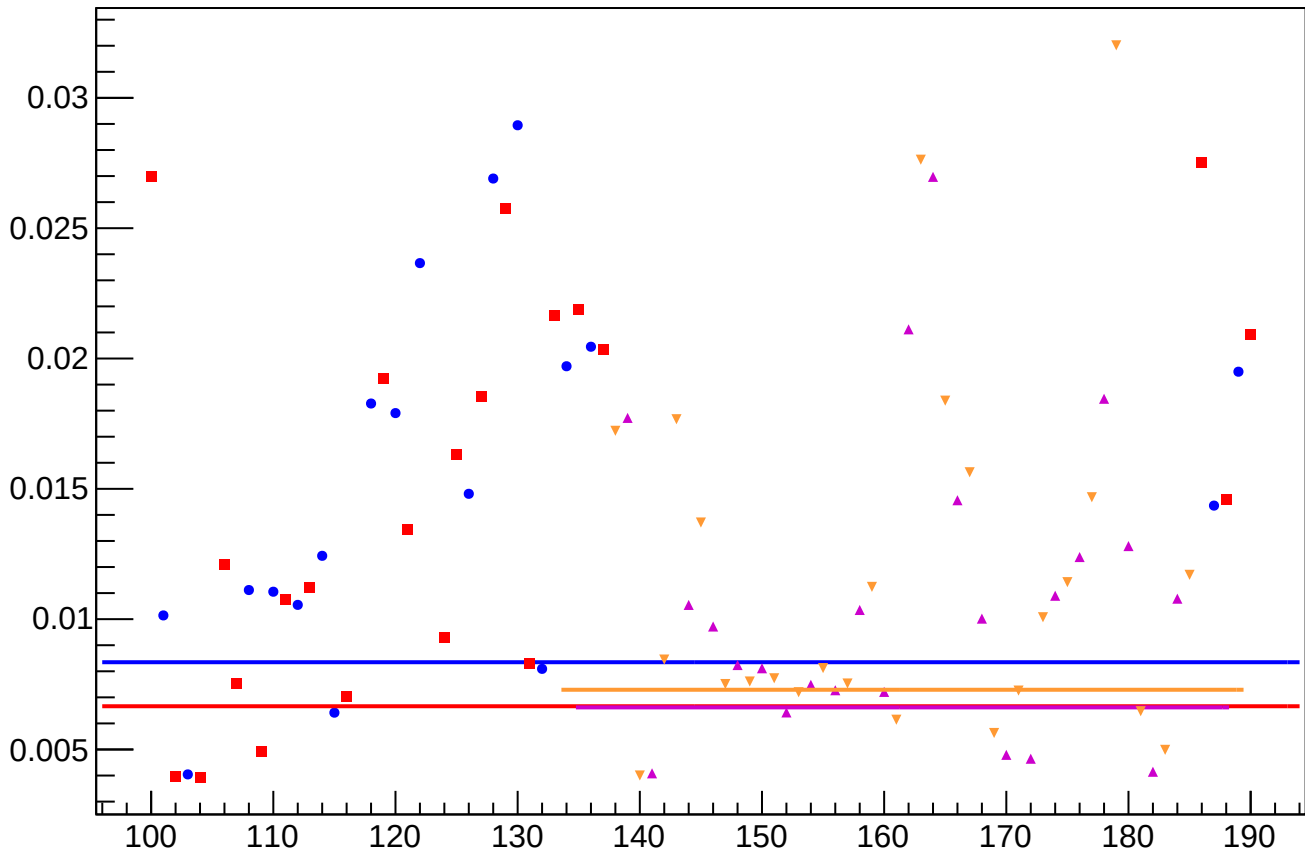
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 31.2/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 60.2/42$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 115.2/87$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 52.1/44$

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 4800188.1/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:6772003.6/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 5914243.1/21

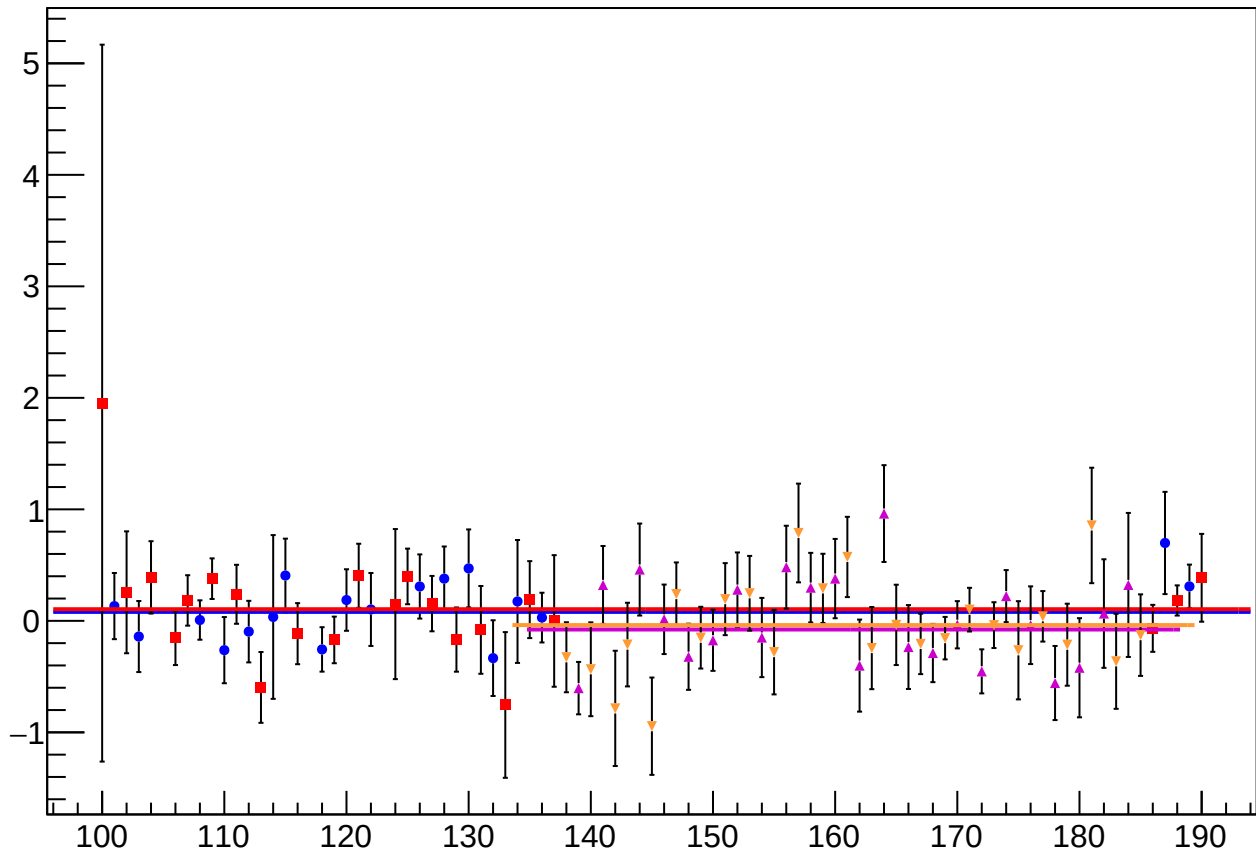
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:6410135.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 11704164.9/42

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 24337955.5/87

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 12324735.7/44

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.080 $\pm$ 0.066 χ^2 /NDF: 14.1/17

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF: 24.4/24

Right Out: 0.104 $\pm$ 0.058 χ^2 /NDF: 19.2/21

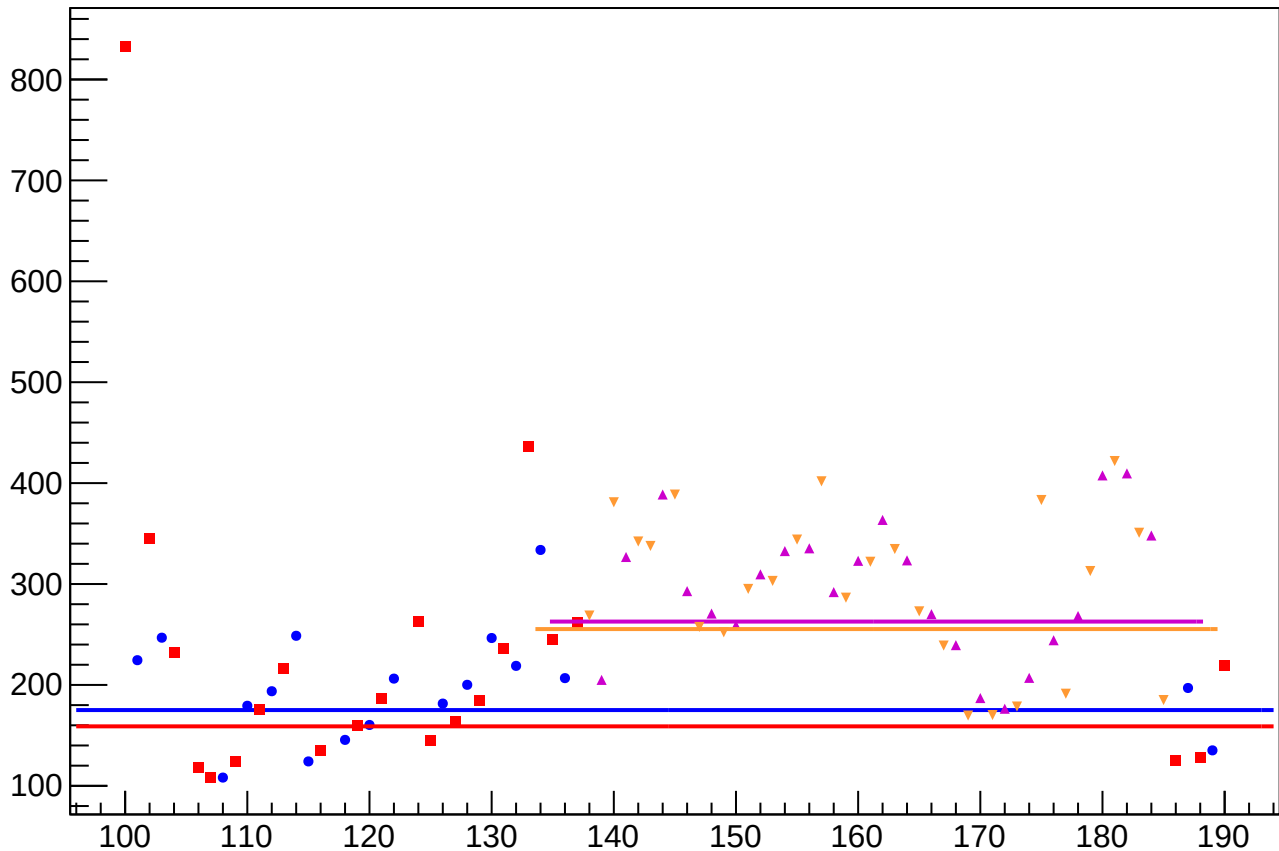
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF: 31.1/22

+ sign 0.018 $\pm$ 0.045 χ^2 /NDF: 40.3/42

All: 0.021 $\pm$ 0.031 χ^2 /NDF: 94.9/87

- sign 0.024 $\pm$ 0.043 χ^2 /NDF: 54.7/44

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 175.092 ± 0.046 $\chi^2/\text{NDF}: 1015699.2/17$

Left Out: 255.357 ± 0.044 $\chi^2/\text{NDF}: 2935428.4/24$

Right Out: 158.951 ± 0.041 $\chi^2/\text{NDF}: 1650283.0/21$

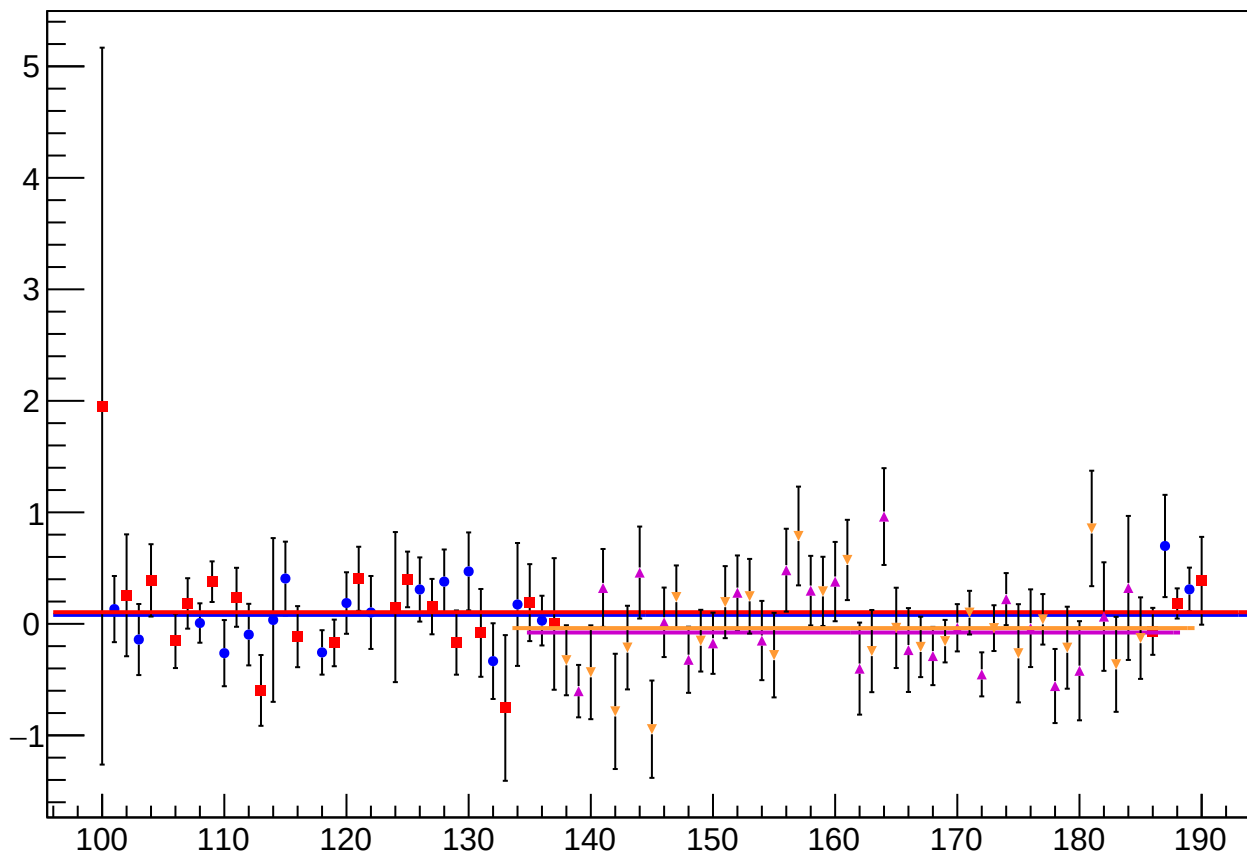
Left In: 262.790 ± 0.046 $\chi^2/\text{NDF}: 2025402.0/22$

+ sign 217.591 ± 0.032 $\chi^2/\text{NDF}: 5532178.5/42$

All: 210.826 ± 0.022 $\chi^2/\text{NDF}: 12161960.8/87$

- sign 204.651 ± 0.030 $\chi^2/\text{NDF}: 6543539.0/44$

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.080 $\pm$ 0.066 χ^2 /NDF: 14.1/17

Left Out: -0.038 $\pm$ 0.062 χ^2 /NDF: 24.4/24

Right Out: 0.104 $\pm$ 0.058 χ^2 /NDF: 19.2/21

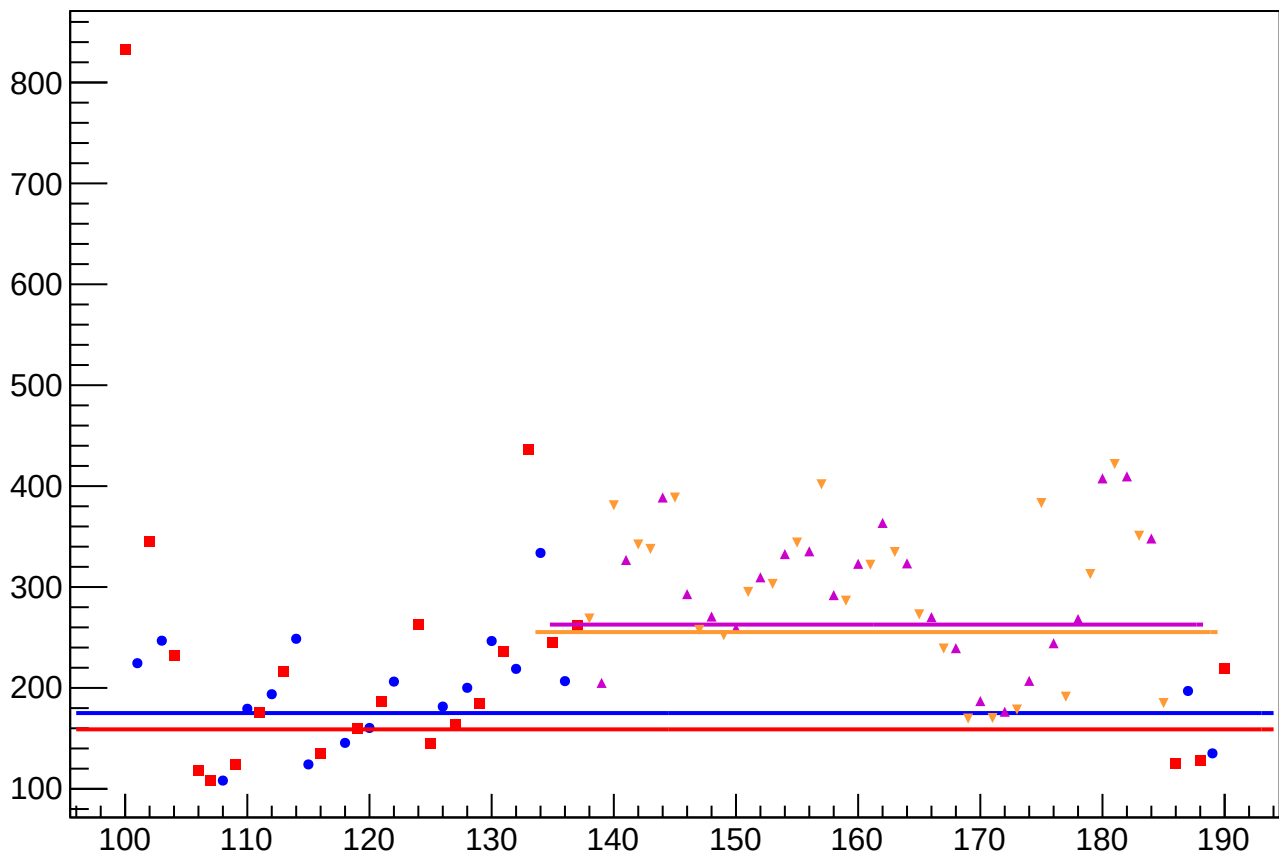
Left In: -0.078 $\pm$ 0.065 χ^2 /NDF: 31.1/22

+ sign 0.018 $\pm$ 0.045 χ^2 /NDF: 40.3/42

All: 0.021 $\pm$ 0.031 χ^2 /NDF: 94.9/87

- sign 0.024 $\pm$ 0.043 χ^2 /NDF: 54.7/44

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 175.092 ± 0.046 $\chi^2/\text{NDF}: 1015699.2/17$

Left Out: 255.357 ± 0.044 $\chi^2/\text{NDF}: 2935428.4/24$

Right Out: 158.951 ± 0.041 $\chi^2/\text{NDF}: 1650283.0/21$

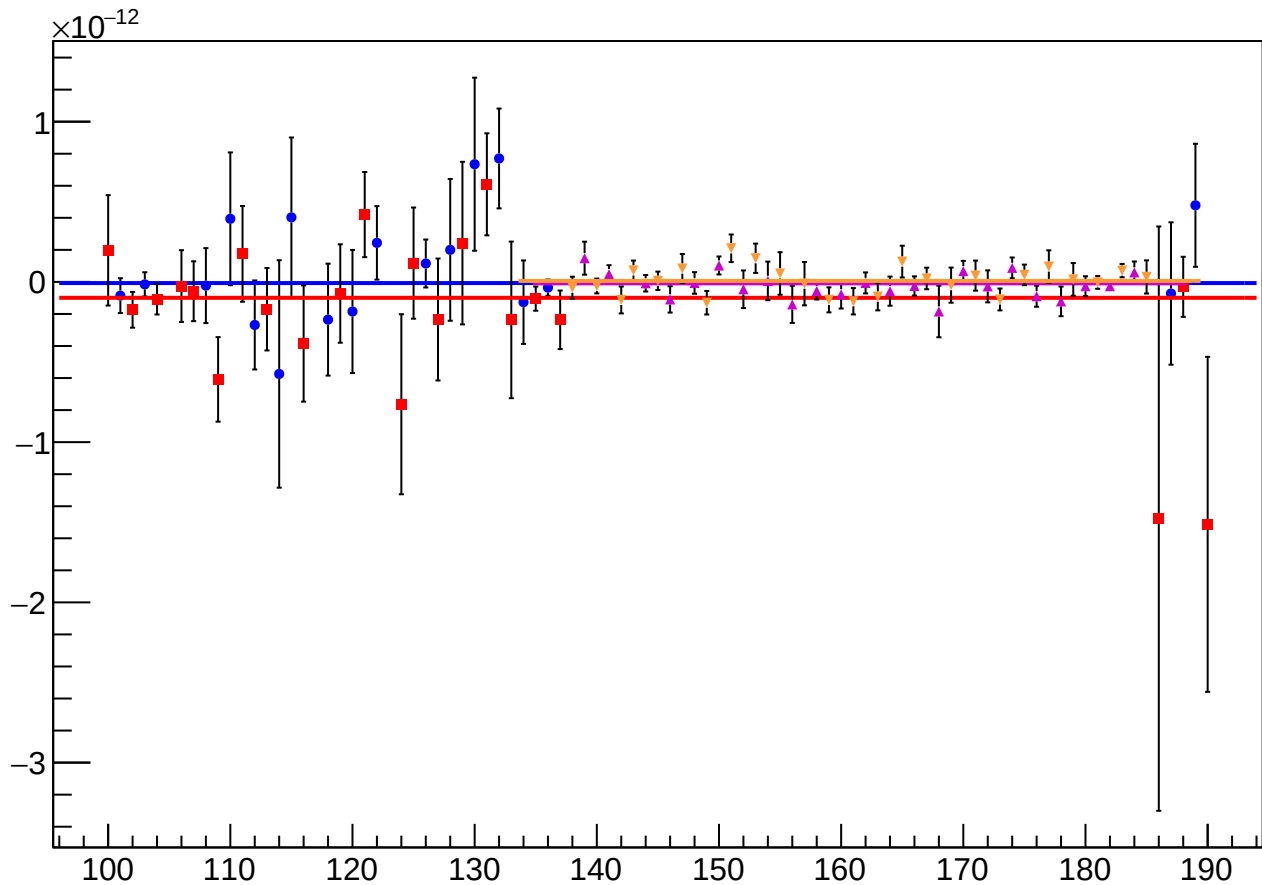
Left In: 262.790 ± 0.046 $\chi^2/\text{NDF}: 2025402.0/22$

+ sign 217.591 ± 0.032 $\chi^2/\text{NDF}: 5532178.5/42$

All: 210.826 ± 0.022 $\chi^2/\text{NDF}: 12161960.8/87$

- sign 204.651 ± 0.030 $\chi^2/\text{NDF}: 6543539.0/44$

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:30.5/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/21

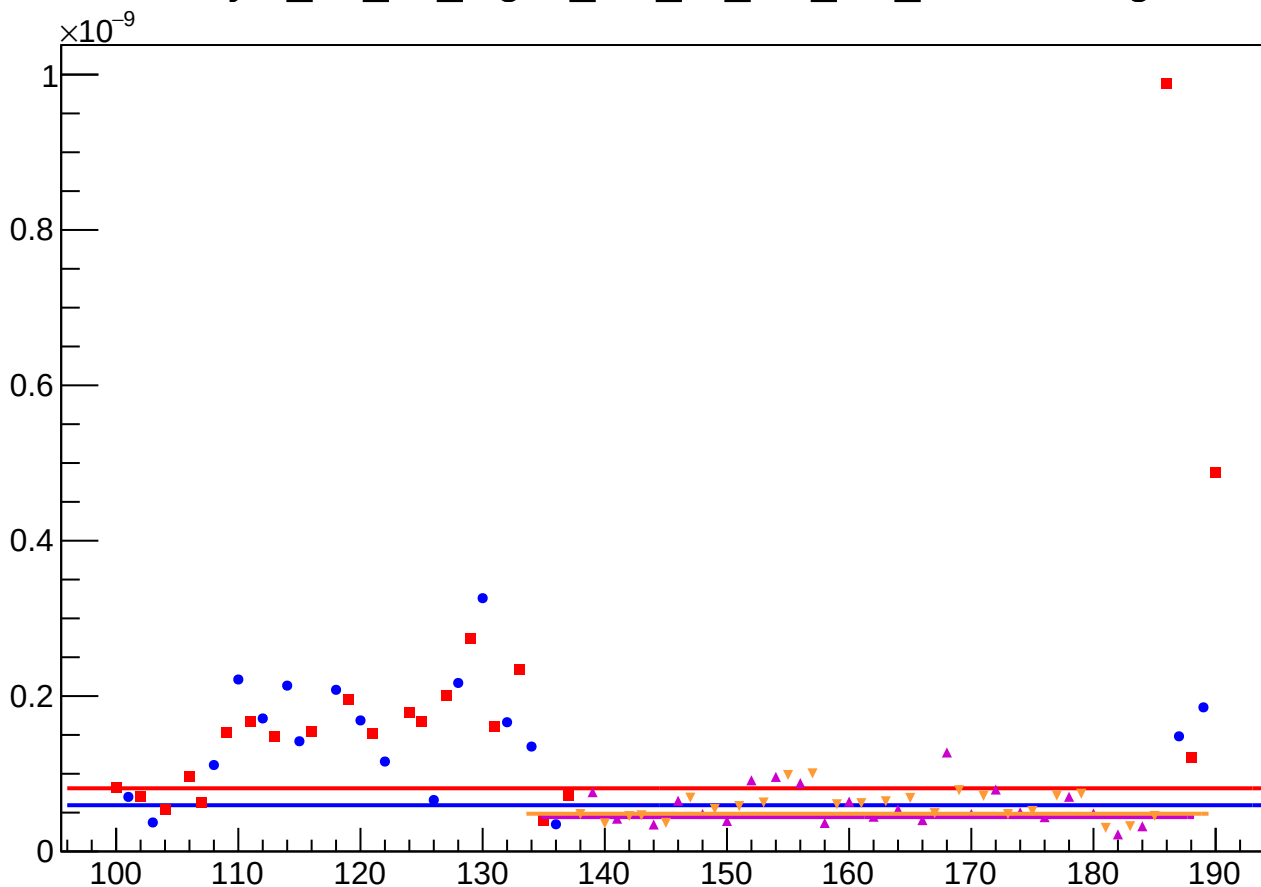
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:21.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.3/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 95.3/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 46.6/44

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3622265.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3631205.7/21

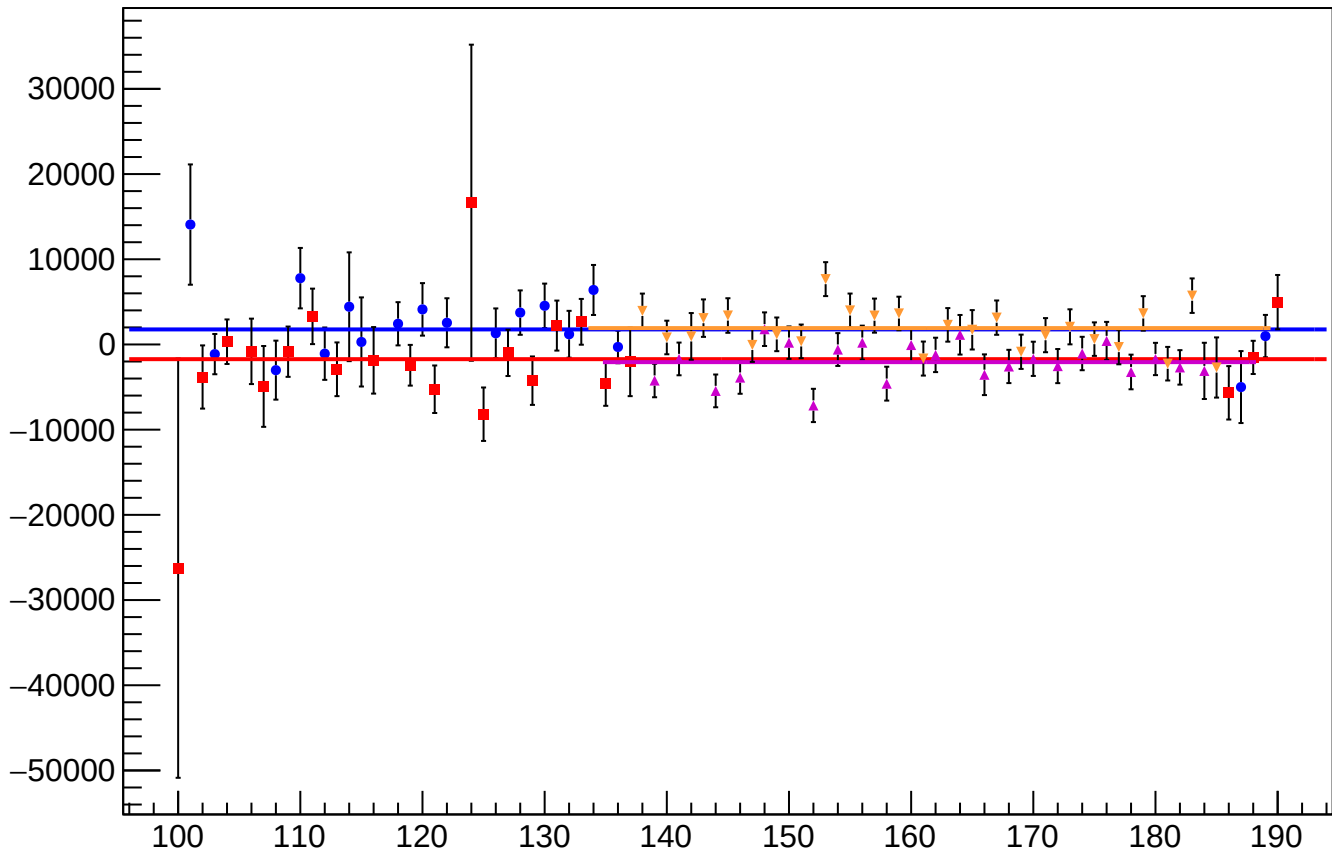
Left In: 0.000+/-0.000 χ^2/NDF : 3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 6283911.2/42

All: 0.000+/-0.000 χ^2/NDF : 15033037.1/87

- sign 0.000+/-0.000 χ^2/NDF : 8722688.2/44

reg_asym_at1_avg_mean vs Slug



Right In: 1764.911 $\pm$ 696.254 χ^2 /NDF: 19.3/17

Left Out: 1920.623 $\pm$ 412.915 χ^2 /NDF: 32.5/24

Right Out: -1725.937 $\pm$ 658.549 χ^2 /NDF: 24.6/21

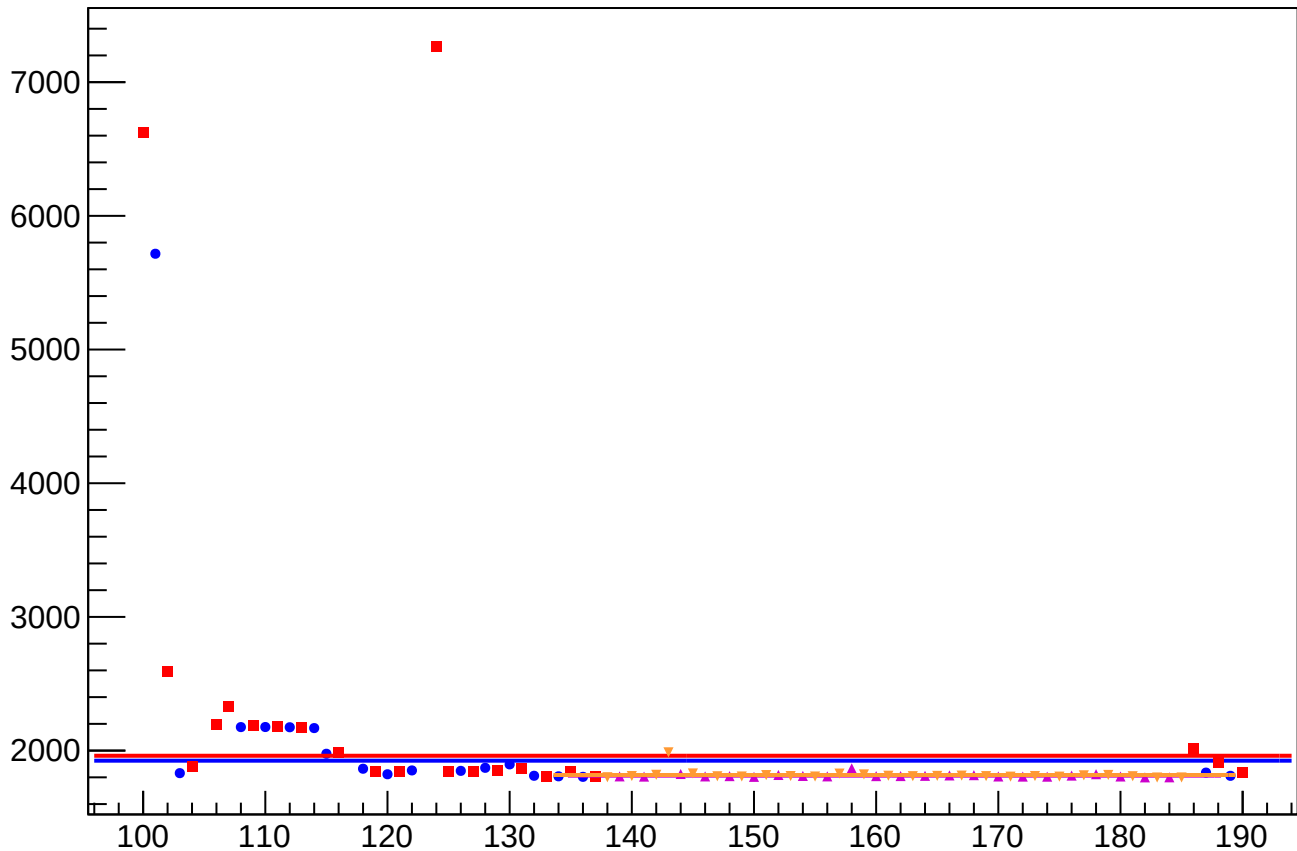
Left In: -2074.205 $\pm$ 423.203 χ^2 /NDF: 26.5/22

+ sign 1880.107 $\pm$ 355.155 χ^2 /NDF: 51.8/42

All: -41.439 $\pm$ 251.440 χ^2 /NDF: 161.8/87

- sign -1972.416 $\pm$ 356.026 χ^2 /NDF: 51.3/44

reg_asym_at1_avg_rms vs Slug



Right In: 1924.610+/-0.492 χ^2/NDF : 643724.7/17

Left Out: 1817.524+/-0.292 χ^2/NDF : 12955.2/24

Right Out: 1961.468+/-0.466 χ^2/NDF : 383286.2/21

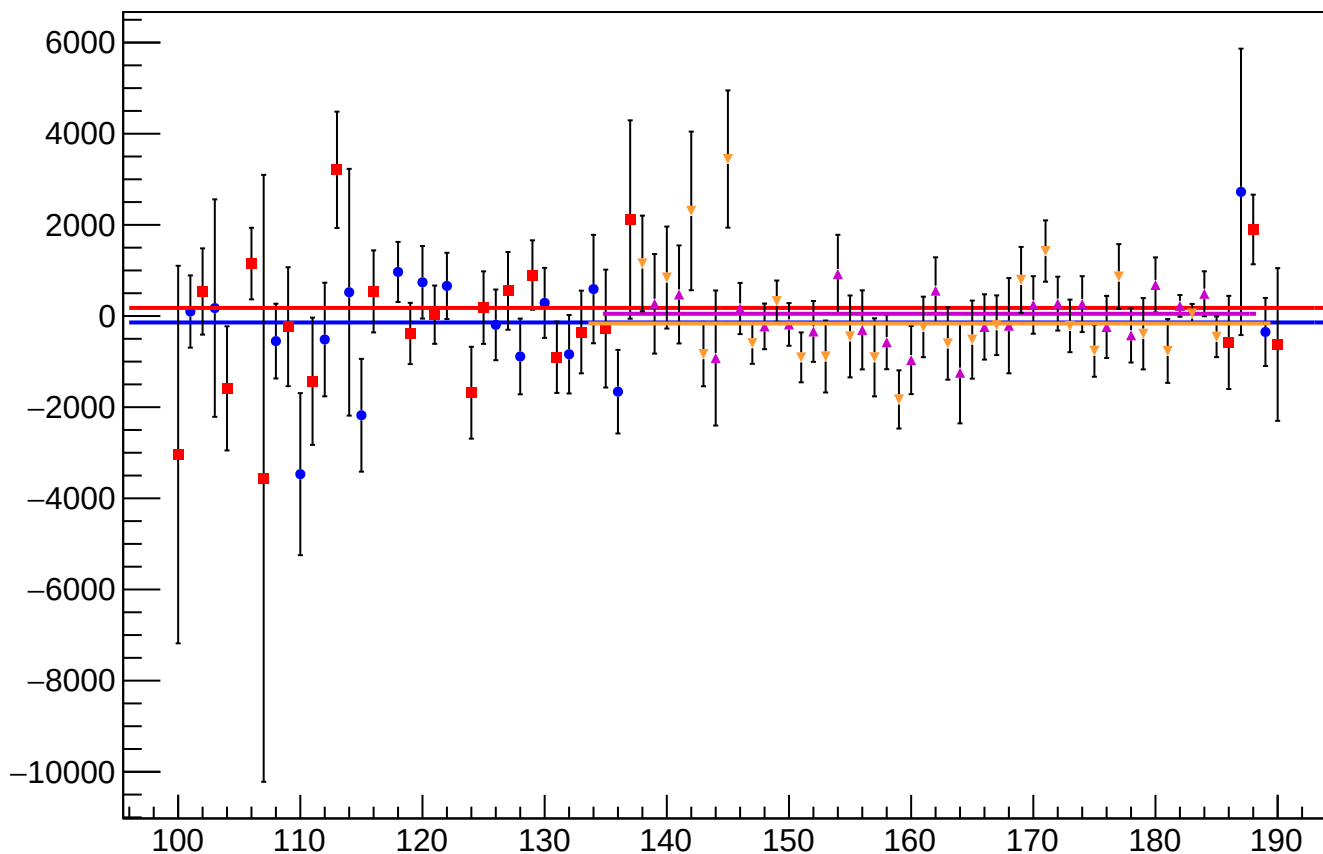
Left In: 1812.545+/-0.299 χ^2/NDF : 2013.0/22

+ sign 1845.388+/-0.251 χ^2/NDF : 691680.4/42

All: 1850.716+/-0.178 χ^2/NDF : 1150266.7/87

- sign 1856.071+/-0.252 χ^2/NDF : 457683.6/44

asym_at1_avg_reg_correction_mean vs Slug



Right In: -141.131 ± 219.639 χ^2/NDF : 17.8/17

Left Out: -162.996 ± 115.295 χ^2/NDF : 36.8/24

Right Out: 177.902 ± 207.102 χ^2/NDF : 25.8/21

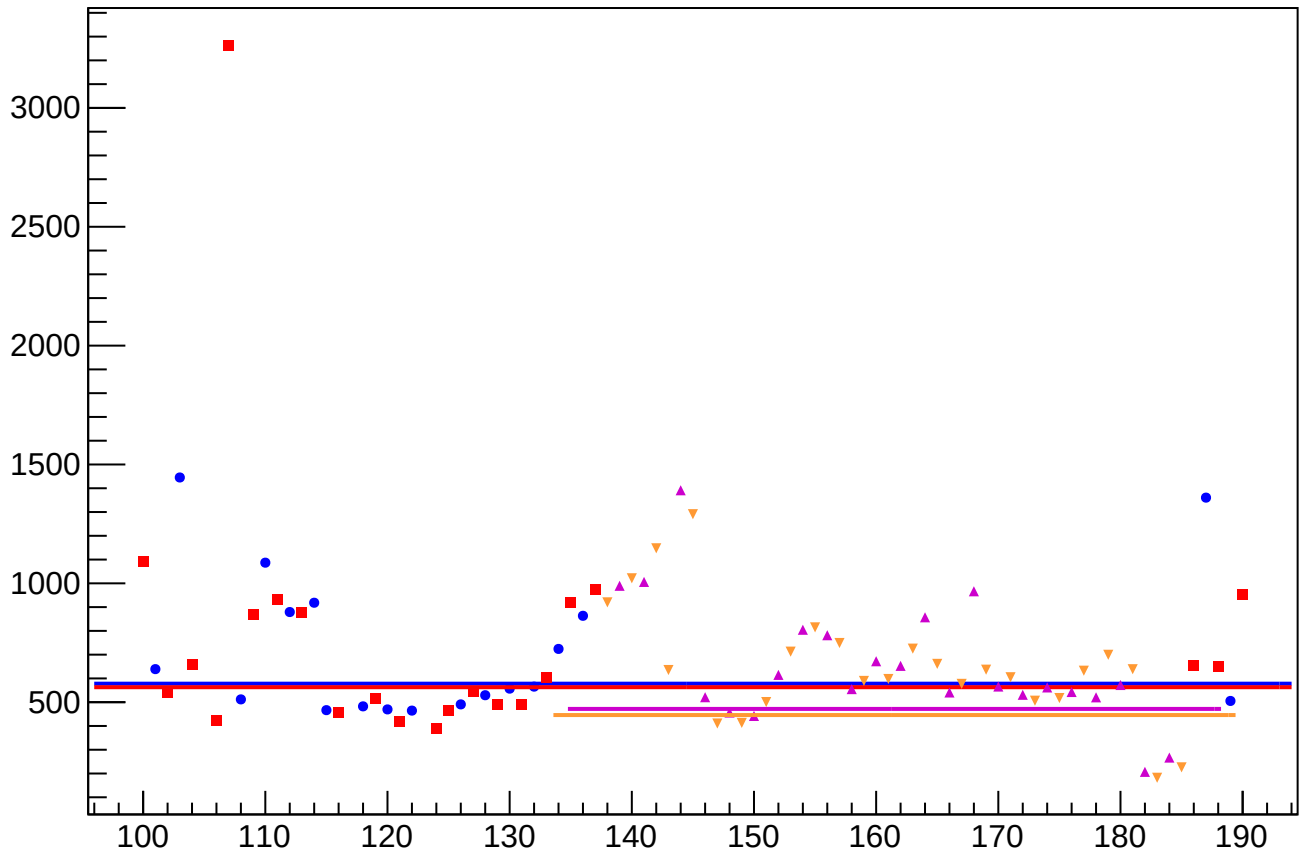
Left In: 49.290 ± 122.691 χ^2/NDF : 11.3/22

+ sign -158.272 ± 102.085 χ^2/NDF : 54.6/42

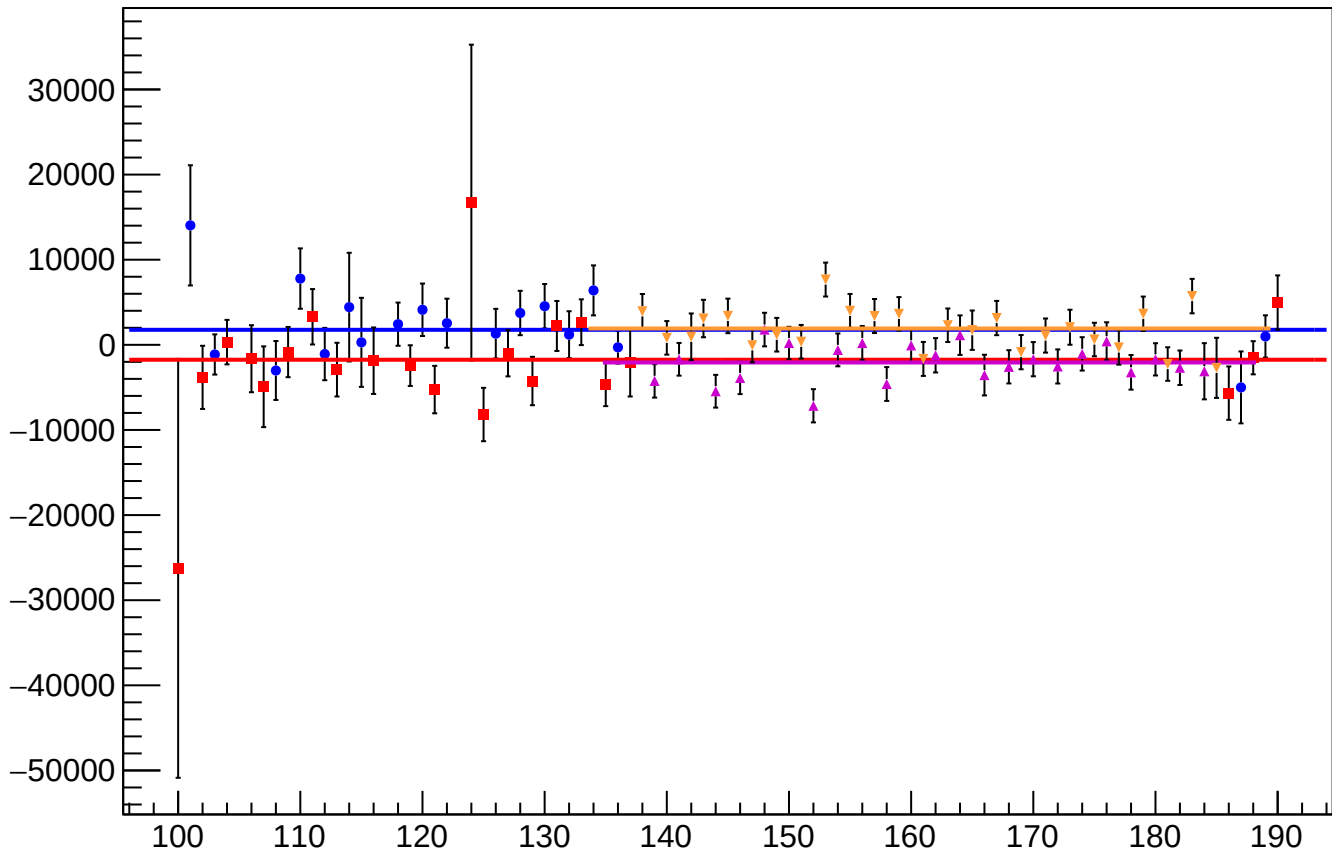
All: -41.815 ± 73.382 χ^2/NDF : 94.8/87

- sign 82.701 ± 105.558 χ^2/NDF : 37.4/44

asym_at1_avg_reg_correction_rms vs Slug



cor_asym_at1_avg_mean vs Slug



Right In: 1764.600 ± 696.254 χ^2/NDF : 19.2/17

Left Out: 1920.588 ± 412.915 χ^2/NDF : 32.5/24

Right Out: -1750.446 ± 659.012 χ^2/NDF : 24.5/21

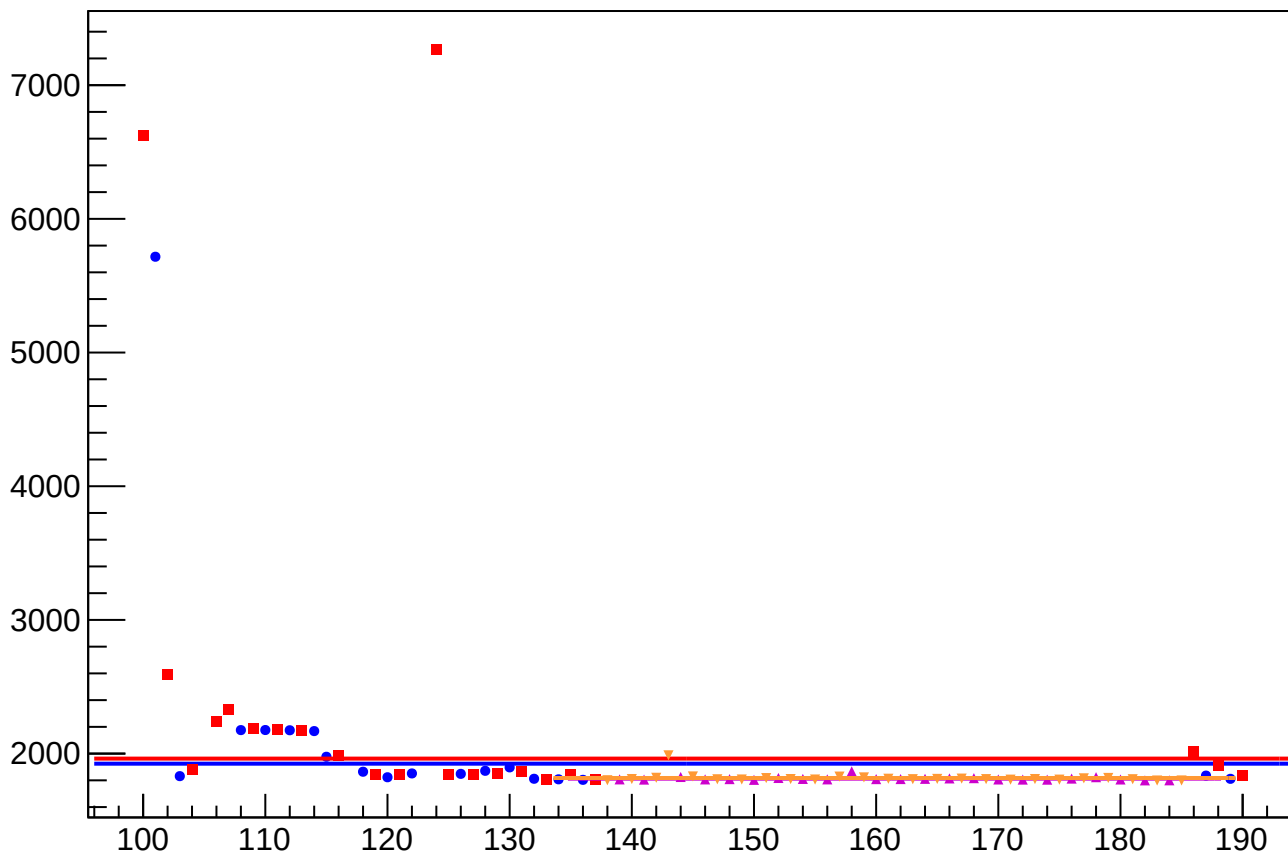
Left In: -2074.306 ± 423.203 χ^2/NDF : 26.5/22

+ sign 1880.000 ± 355.155 χ^2/NDF : 51.8/42

All: -44.752 ± 251.466 χ^2/NDF : 161.9/87

- sign -1979.745 ± 356.099 χ^2/NDF : 51.2/44

cor_asym_at1_avg_rms vs Slug



Right In: 1924.610+/-0.492 χ^2/NDF : 643724.8/17

Left Out: 1817.524+/-0.292 χ^2/NDF : 12955.2/24

Right Out: 1962.566+/-0.466 χ^2/NDF : 386296.4/21

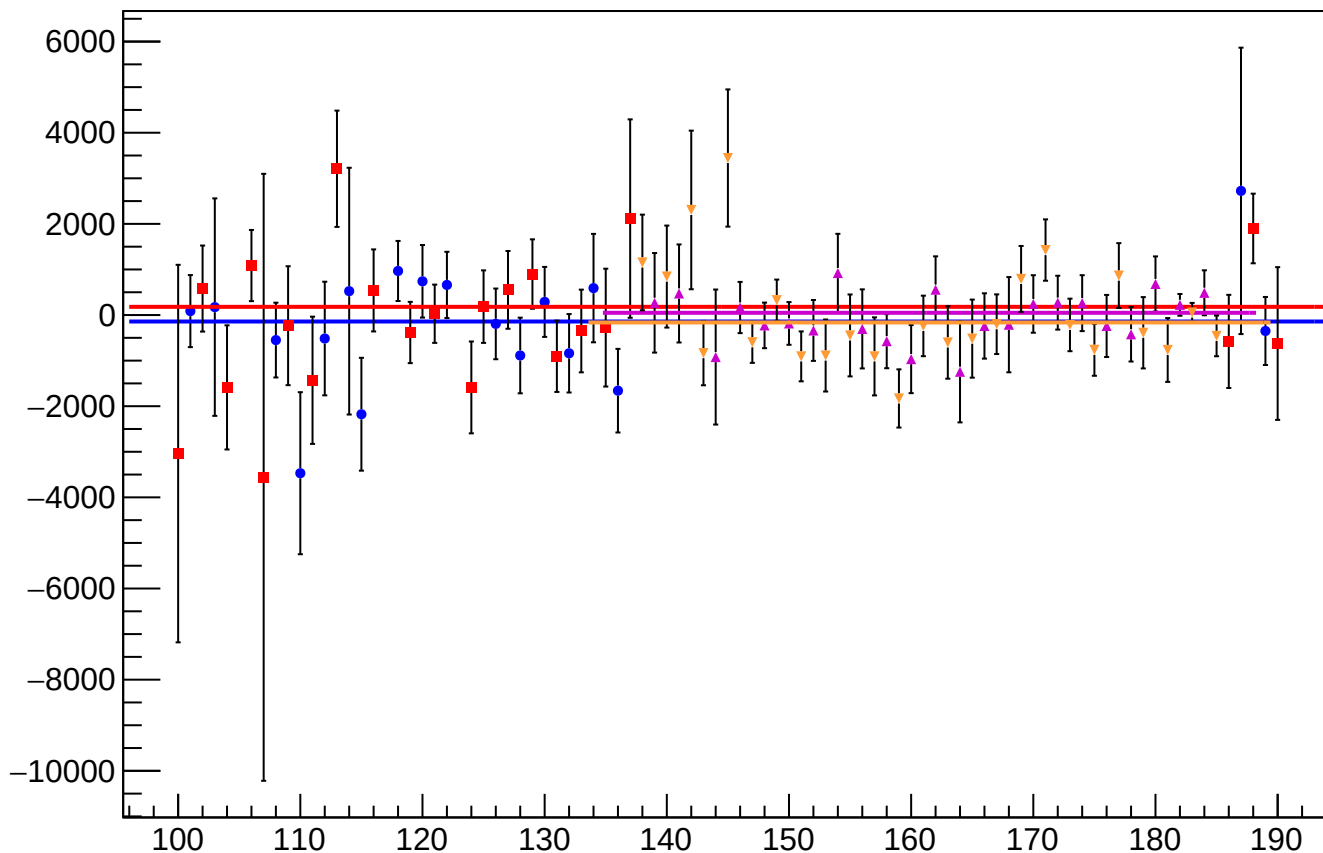
Left In: 1812.545+/-0.299 χ^2/NDF : 2013.0/22

+ sign 1845.387+/-0.251 χ^2/NDF : 691680.4/42

All: 1850.853+/-0.178 χ^2/NDF : 1154322.3/87

- sign 1856.348+/-0.252 χ^2/NDF : 461692.0/44

asym_at1_avg_cor_correction_mean vs Slug



Right In: -141.891+/-219.597 χ^2/NDF : 17.8/17

Left Out: -162.911+/-115.291 χ^2/NDF : 36.9/24

Right Out: 180.118+/-206.990 χ^2/NDF : 25.3/21

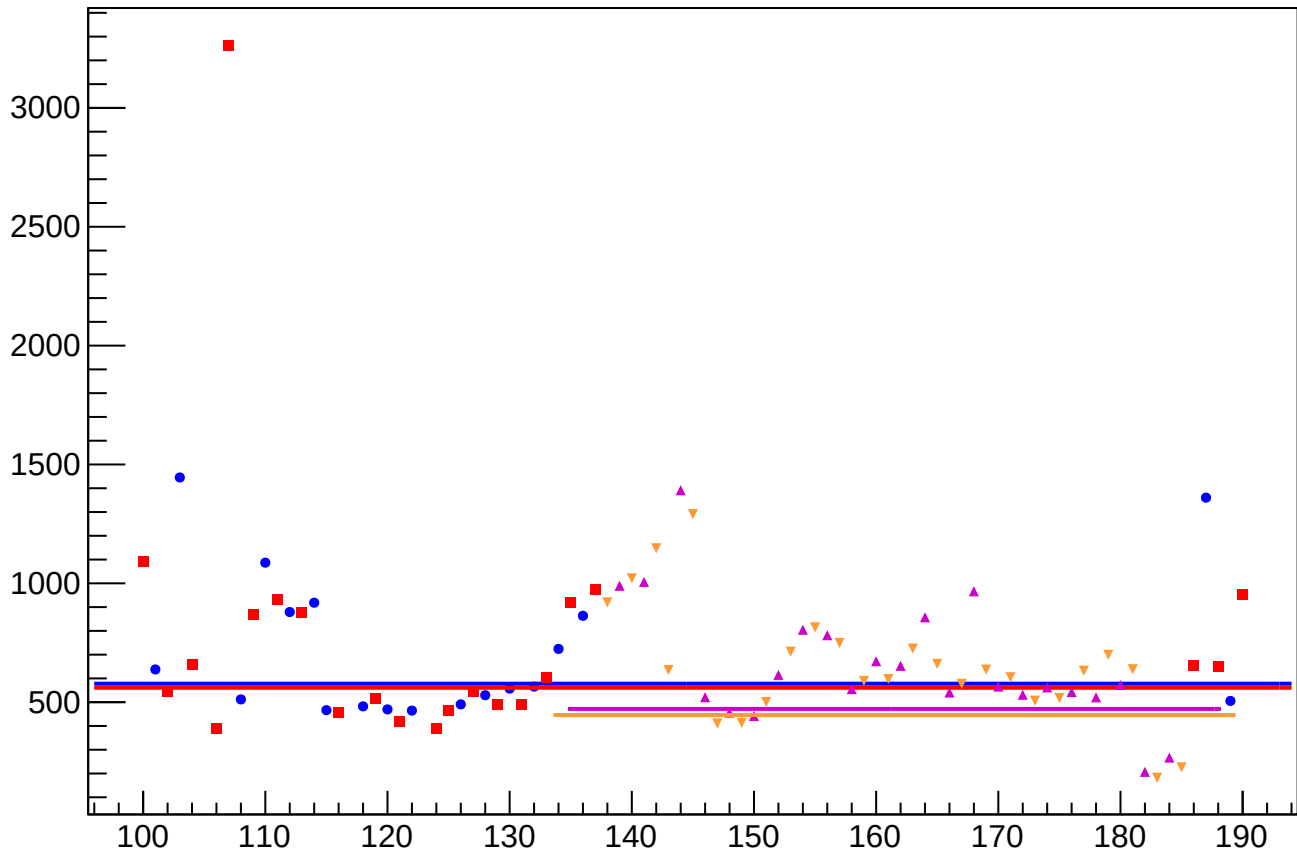
Left In: 49.310+/-122.694 χ^2/NDF : 11.3/22

+ sign -158.369+/-102.078 χ^2/NDF : 54.7/42

All: -41.559+/-73.375 χ^2/NDF : 94.3/87

- sign 83.320+/-105.545 χ^2/NDF : 36.9/44

asym_at1_avg_cor_correction_rms vs Slug



Right In: 577.817 $\pm$ 0.155 χ^2 /NDF: 1146187.7/17

Left Out: 445.867 $\pm$ 0.082 χ^2 /NDF: 7983869.6/24

Right Out: 560.717 $\pm$ 0.146 χ^2 /NDF: 1487119.2/21

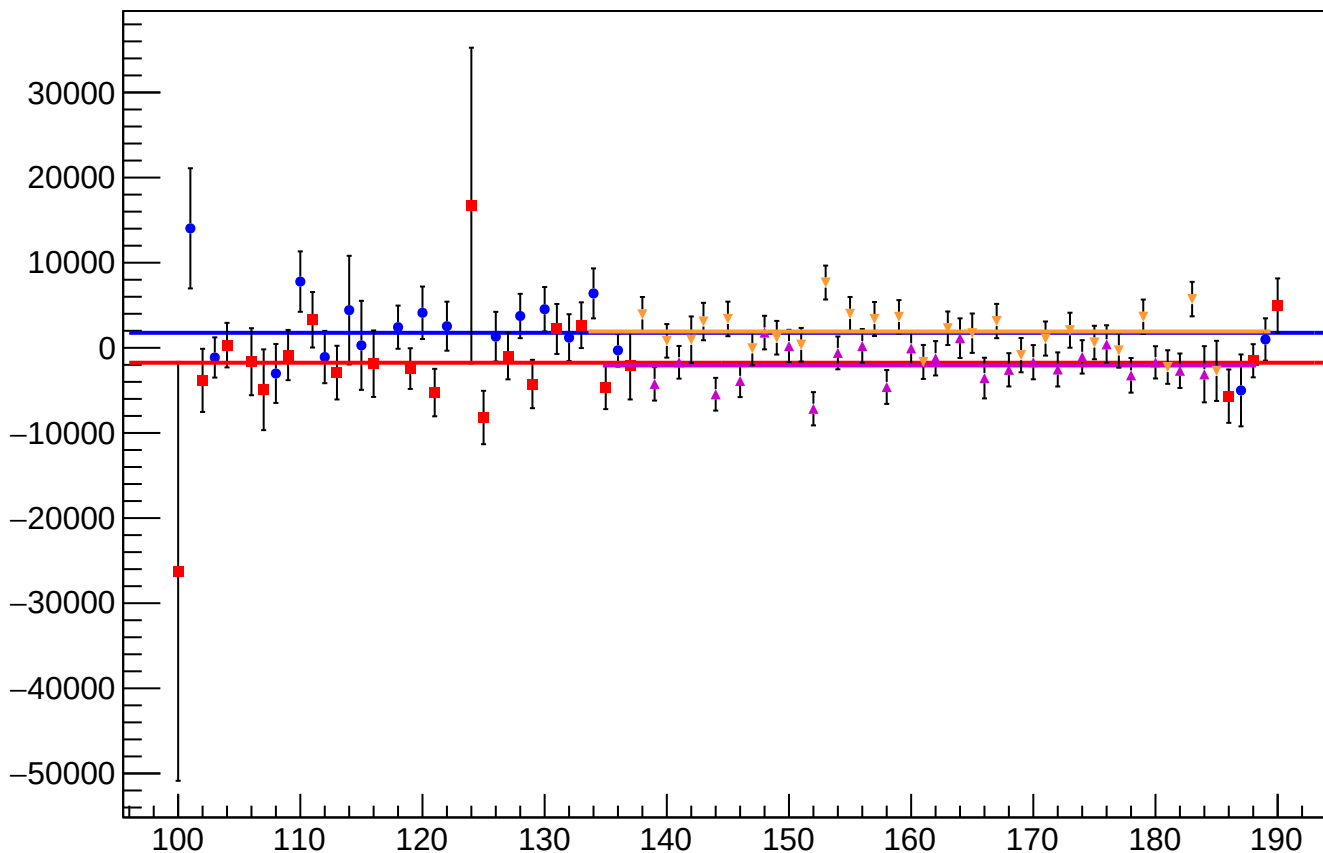
Left In: 471.757 $\pm$ 0.087 χ^2 /NDF: 6413685.0/22

+ sign 474.379 $\pm$ 0.072 χ^2 /NDF: 9696122.0/42

All: 484.290 $\pm$ 0.052 χ^2 /NDF: 17909314.1/87

- sign 494.887 $\pm$ 0.075 χ^2 /NDF: 8174175.4/44

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1764.600 ± 696.254 χ^2/NDF : 19.2/17

Left Out: 1920.588 ± 412.915 χ^2/NDF : 32.5/24

Right Out: -1750.446 ± 659.012 χ^2/NDF : 24.5/21

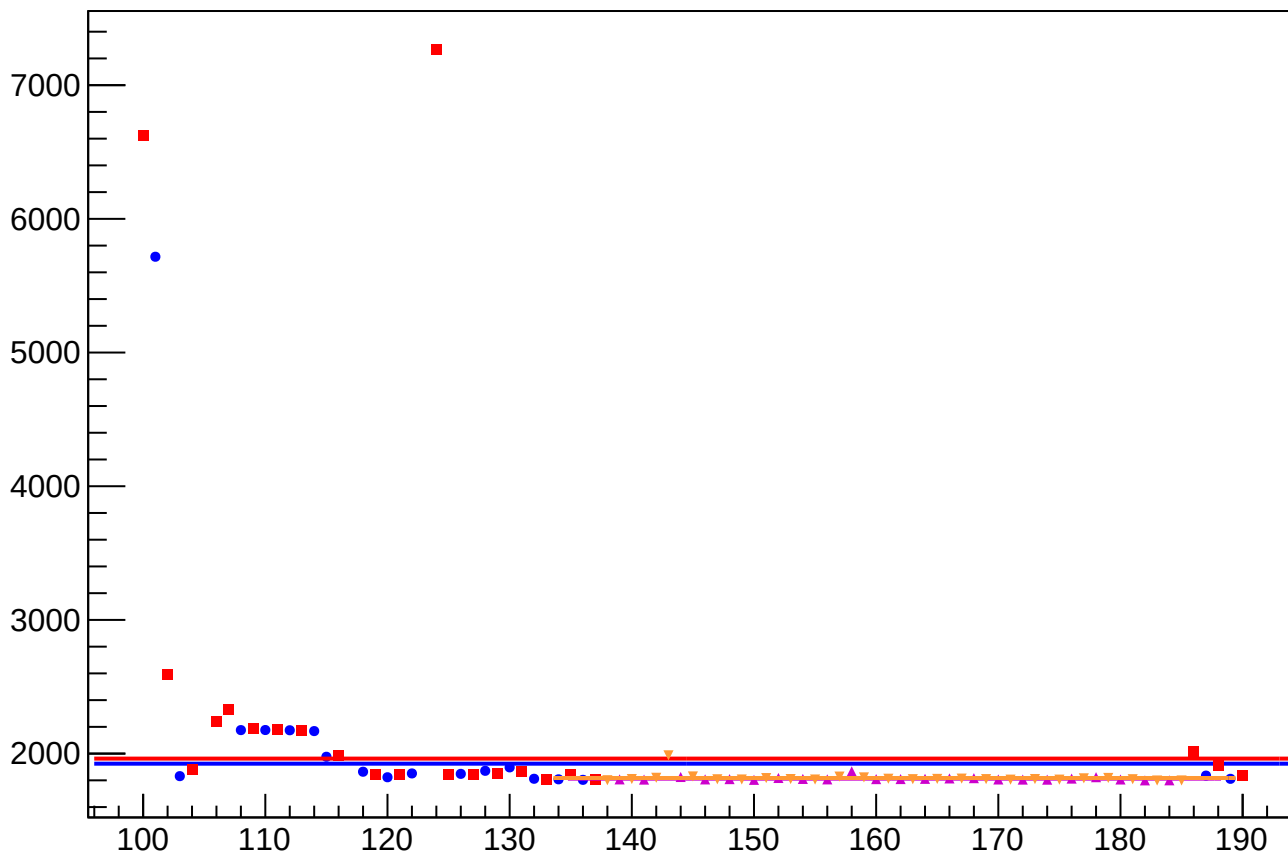
Left In: -2074.306 ± 423.203 χ^2/NDF : 26.5/22

+ sign 1880.000 ± 355.155 χ^2/NDF : 51.8/42

All: -44.752 ± 251.466 χ^2/NDF : 161.9/87

- sign -1979.745 ± 356.099 χ^2/NDF : 51.2/44

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1924.610+/-0.492 χ^2/NDF : 643724.8/17

Left Out: 1817.524+/-0.292 χ^2/NDF :12955.2/24

Right Out: 1962.566+/-0.466 χ^2/NDF : 386296.4/21

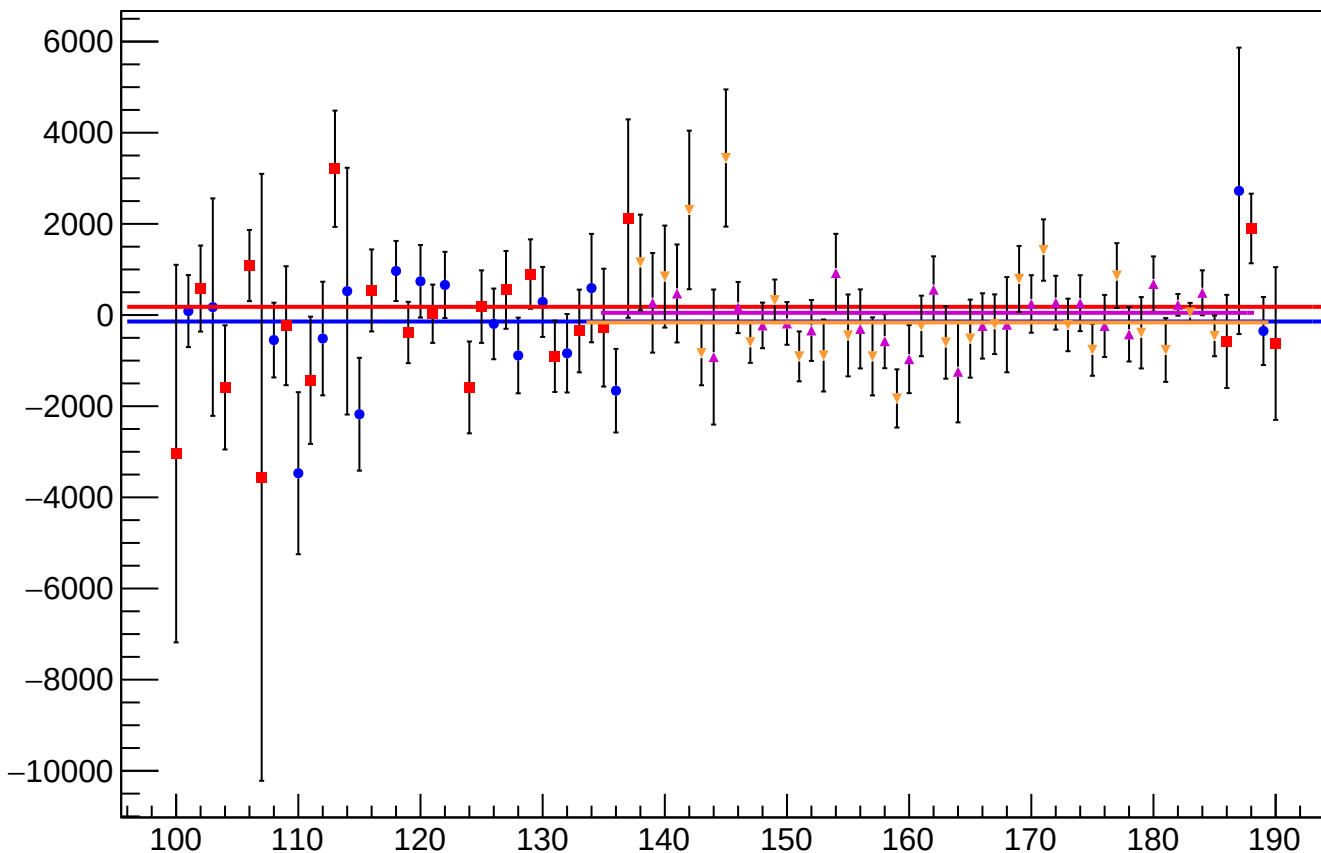
Left In: 1812.545+/-0.299 χ^2/NDF :2013.0/22

+ sign 1845.387+/-0.251 χ^2/NDF : 691680.4/42

All: 1850.853+/-0.178 χ^2/NDF : 1154322.3/87

- sign 1856.348+/-0.252 χ^2/NDF : 461692.0/44

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -141.891+/-219.597 χ^2/NDF : 17.8/17

Left Out: -162.911+/-115.291 χ^2/NDF : 36.9/24

Right Out: 180.118+/-206.990 χ^2/NDF : 25.3/21

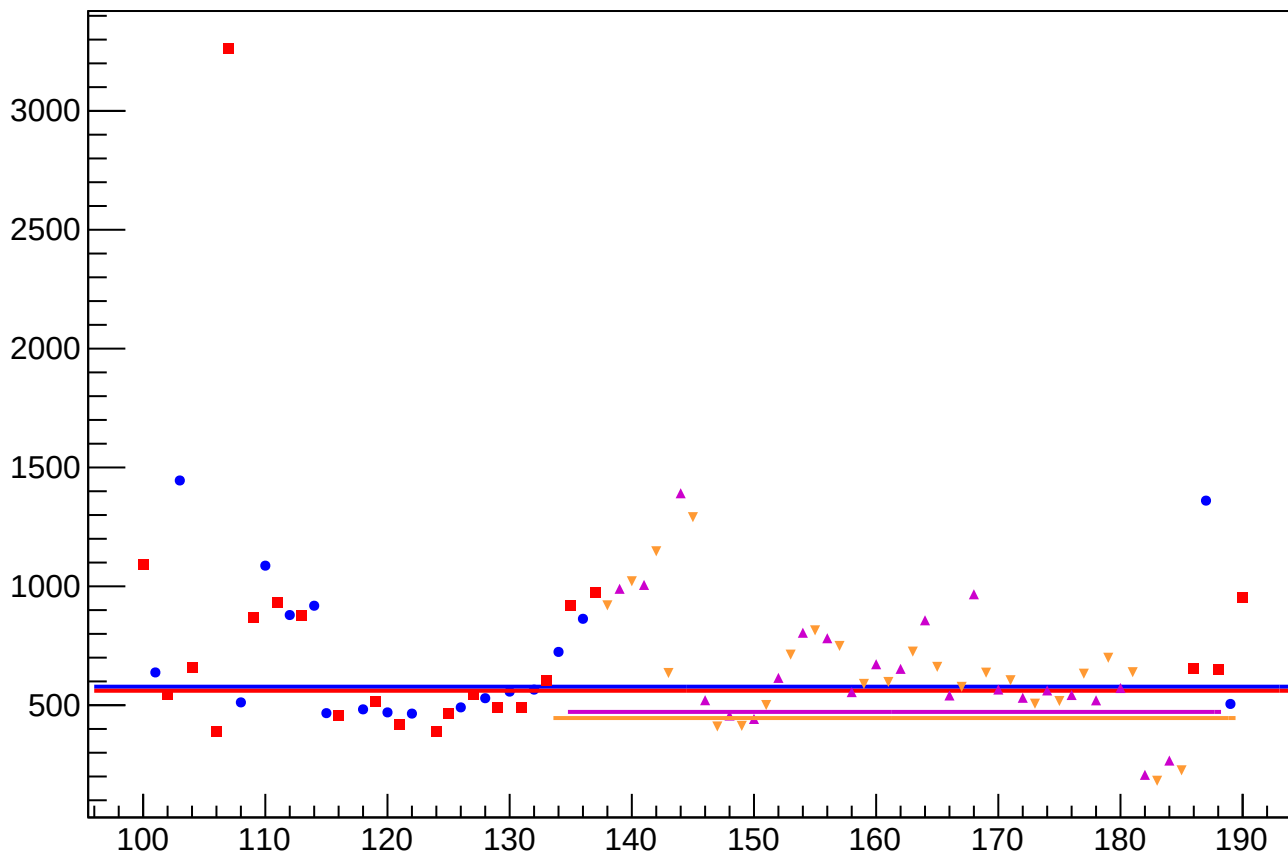
Left In: 49.310+/-122.694 χ^2/NDF : 11.3/22

+ sign -158.369+/-102.078 χ^2/NDF : 54.7/42

All: -41.559+/-73.375 χ^2/NDF : 94.3/87

- sign 83.320+/-105.545 χ^2/NDF : 36.9/44

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 577.817 $\pm$ 0.155 χ^2 /NDF: 1146187.7/17

Left Out: 445.867 $\pm$ 0.082 χ^2 /NDF: 7983869.6/24

Right Out: 560.717 $\pm$ 0.146 χ^2 /NDF: 1487119.2/21

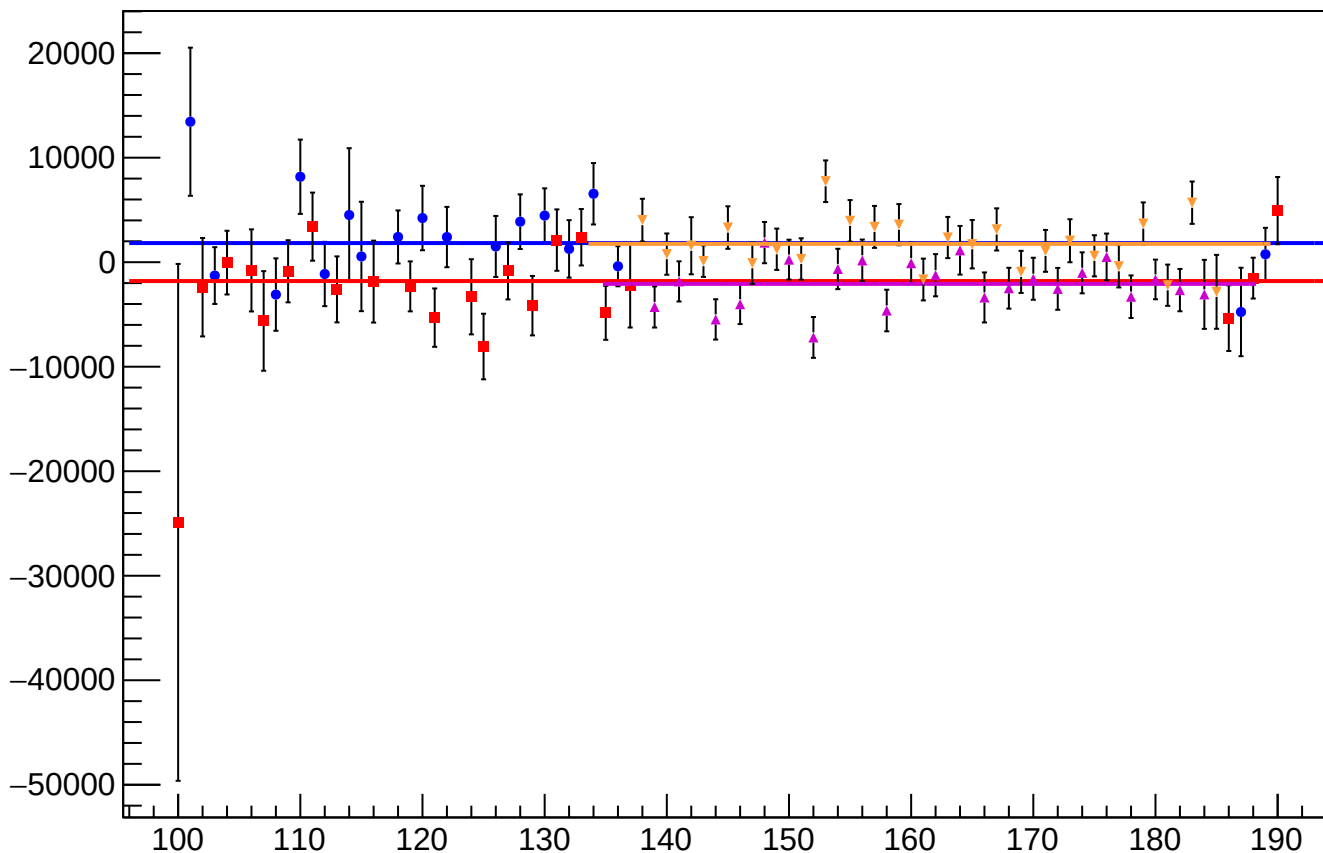
Left In: 471.757 $\pm$ 0.087 χ^2 /NDF: 6413685.0/22

+ sign 474.379 $\pm$ 0.072 χ^2 /NDF: 9696122.0/42

All: 484.290 $\pm$ 0.052 χ^2 /NDF: 17909314.1/87

- sign 494.887 $\pm$ 0.075 χ^2 /NDF: 8174175.4/44

dit_asym_at1_avg_mean vs Slug



Right In: 1830.575 $\pm$ 705.748 χ^2 /NDF: 19.3/17

Left Out: 1755.493 $\pm$ 405.401 χ^2 /NDF:33.8/24

Right Out: -1803.715 $\pm$ 659.342 χ^2 /NDF: 22.5/21

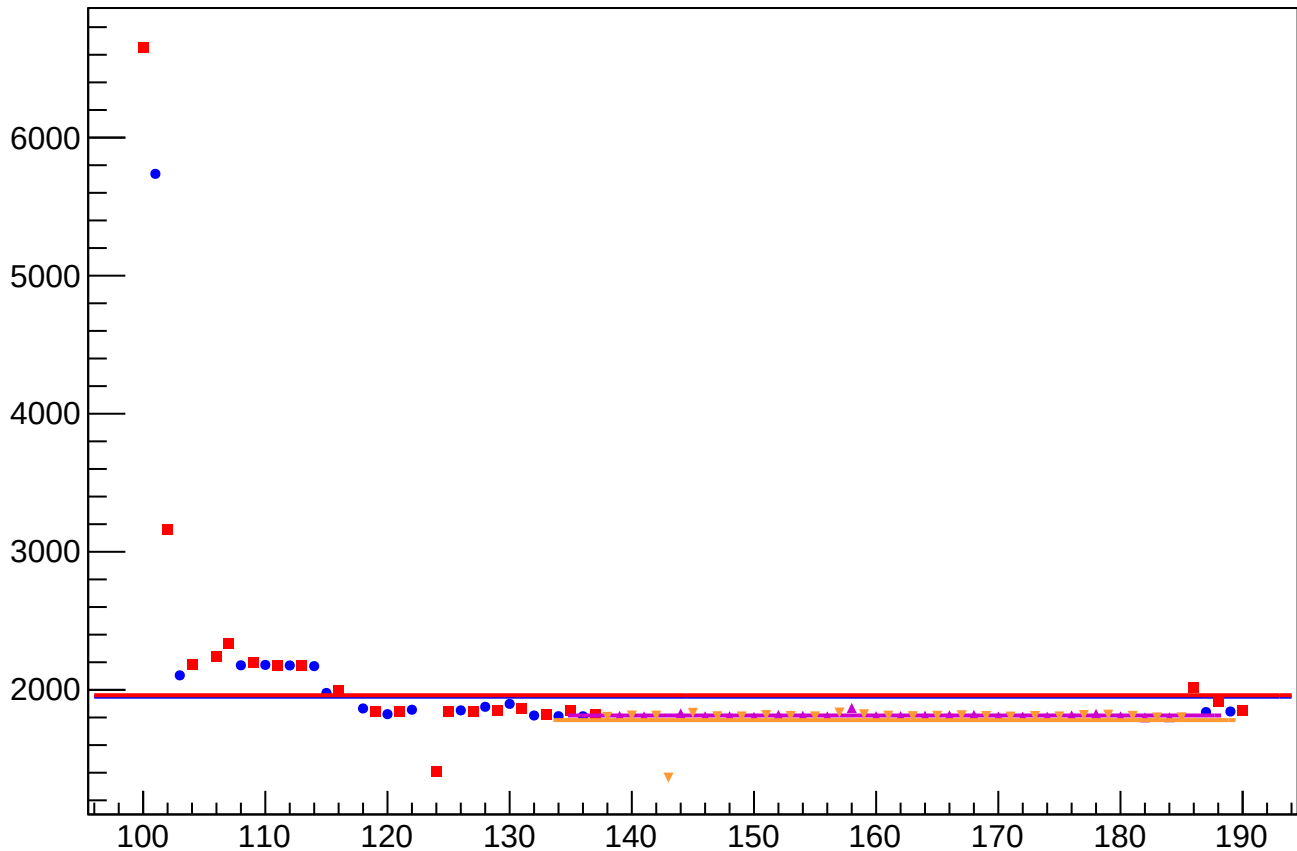
Left In: -2073.441 $\pm$ 423.648 χ^2 /NDF:27.0/22

+ sign 1774.121 $\pm$ 351.532 χ^2 /NDF: 53.1/42

All: -84.251 $\pm$ 250.280 χ^2 /NDF: 159.4/87

- sign -1994.624 $\pm$ 356.416 χ^2 /NDF: 49.6/44

dit_asym_at1_avg_rms vs Slug



Right In: 1950.624 $\pm$ 0.499 χ^2 /NDF: 645820.8/17

Left Out: 1780.913 $\pm$ 0.287 χ^2 /NDF: 164936.9/24

Right Out: 1961.106 $\pm$ 0.466 χ^2 /NDF: 349710.6/21

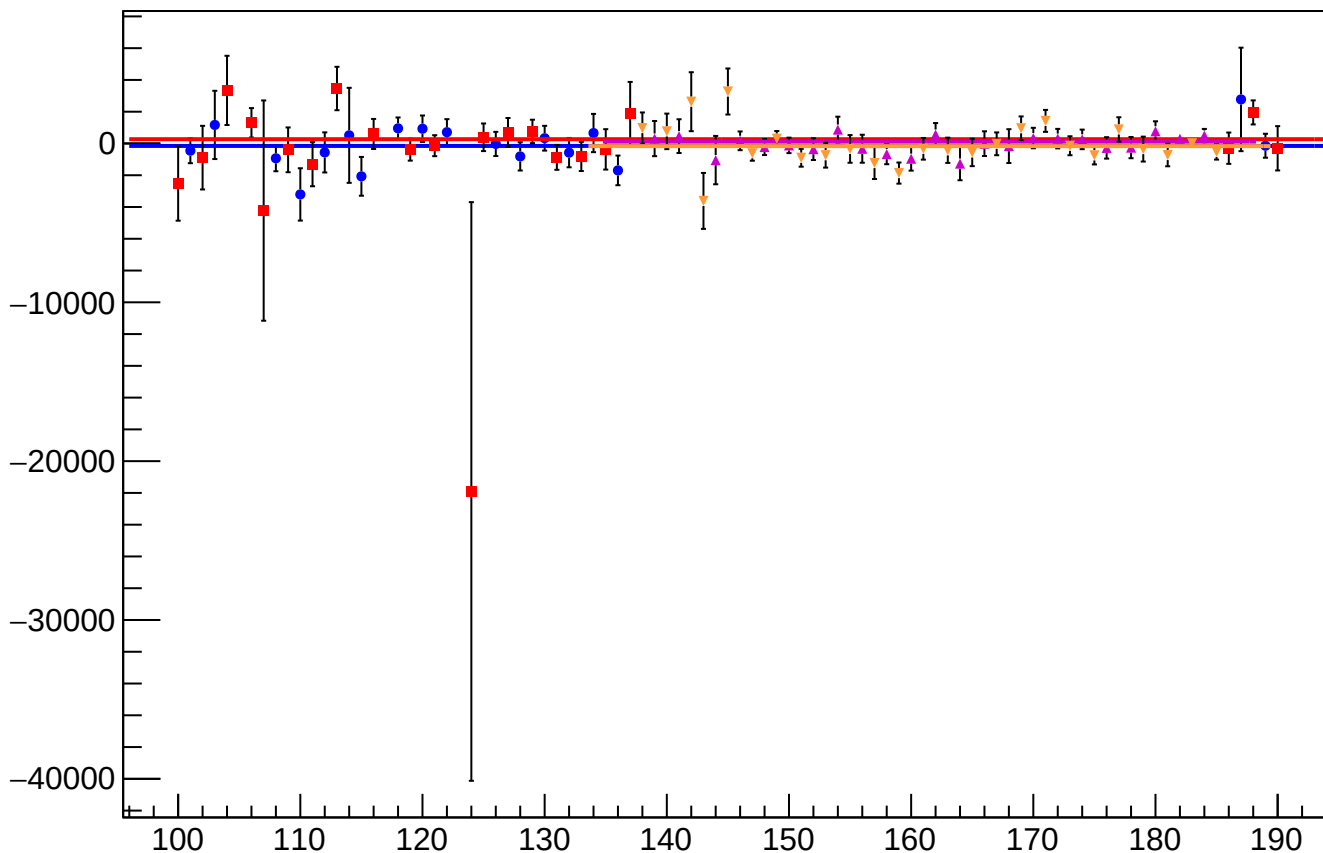
Left In: 1814.434 $\pm$ 0.300 χ^2 /NDF: 2094.6/22

+ sign 1823.019 $\pm$ 0.249 χ^2 /NDF: 897715.4/42

All: 1839.920 $\pm$ 0.177 χ^2 /NDF: 1328945.7/87

- sign 1857.293 $\pm$ 0.252 χ^2 /NDF: 421855.2/44

asym_at1_avg_dit_correction_mean vs Slug



Right In: -154.139 ± 225.461 χ^2/NDF : 18.0/17

Left Out: -167.909 ± 121.628 χ^2/NDF : 38.3/24

Right Out: 269.093 ± 222.261 χ^2/NDF : 25.8/21

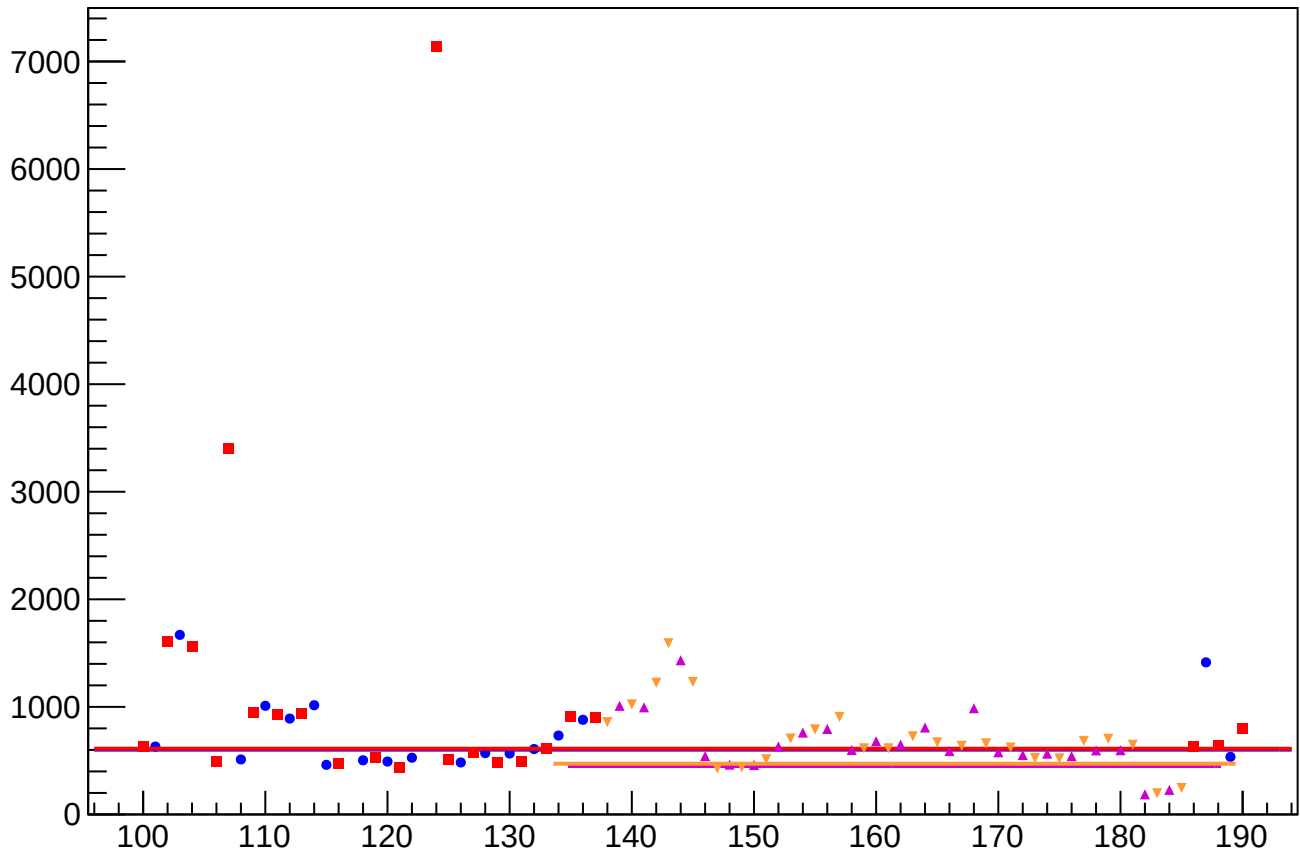
Left In: 117.211 ± 119.772 χ^2/NDF : 12.3/22

+ sign -164.805 ± 107.045 χ^2/NDF : 56.4/42

All: -4.314 ± 75.117 χ^2/NDF : 99.3/87

- sign 151.391 ± 105.437 χ^2/NDF : 38.5/44

asym_at1_avg_dit_correction_rms vs Slug



Right In: 603.035 ± 0.159 $\chi^2/\text{NDF}: 1302662.6/17$

Left Out: 471.777 ± 0.086 $\chi^2/\text{NDF}: 8112666.9/24$

Right Out: 610.779 ± 0.157 $\chi^2/\text{NDF}: 2374036.9/21$

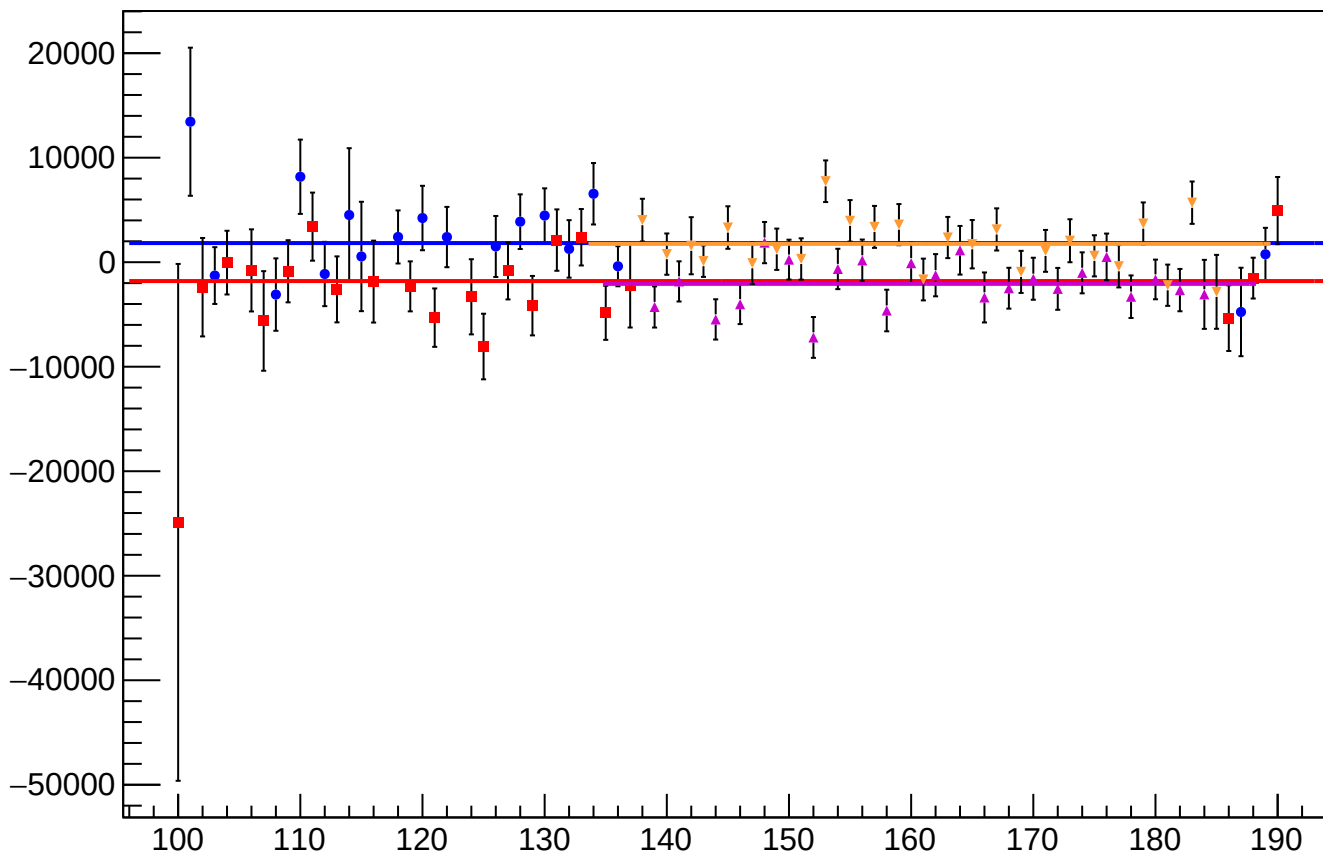
Left In: 450.652 ± 0.085 $\chi^2/\text{NDF}: 7928332.5/22$

+ sign 501.365 ± 0.076 $\chi^2/\text{NDF}: 9940386.7/42$

All: 493.915 ± 0.053 $\chi^2/\text{NDF}: 21066318.0/87$

- sign 486.687 ± 0.075 $\chi^2/\text{NDF}: 11106844.6/44$

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 1830.573 $\pm$ 705.748 χ^2 /NDF: 19.3/17

Left Out: 1755.493 $\pm$ 405.401 χ^2 /NDF:33.8/24

Right Out: -1803.713 $\pm$ 659.342 χ^2 /NDF: 22.5/21

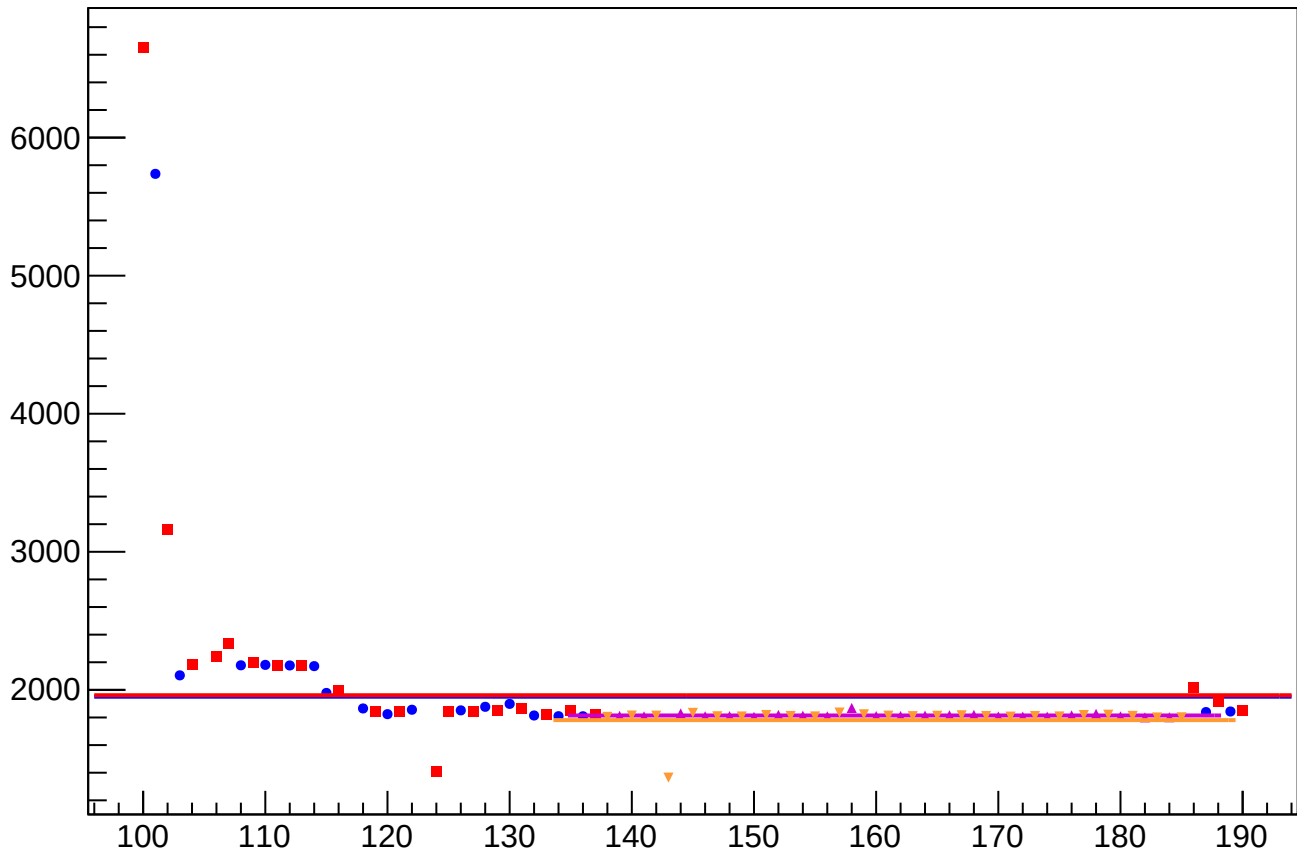
Left In: -2073.441 $\pm$ 423.648 χ^2 /NDF:27.0/22

+ sign 1774.121 $\pm$ 351.532 χ^2 /NDF: 53.1/42

All: -84.251 $\pm$ 250.280 χ^2 /NDF: 159.4/87

- sign -1994.624 $\pm$ 356.416 χ^2 /NDF: 49.6/44

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1950.624+/-0.499 χ^2/NDF : 645820.5/17

Left Out: 1780.913+/-0.287 χ^2/NDF : 164936.9/24

Right Out: 1961.106+/-0.466 χ^2/NDF : 349709.3/21

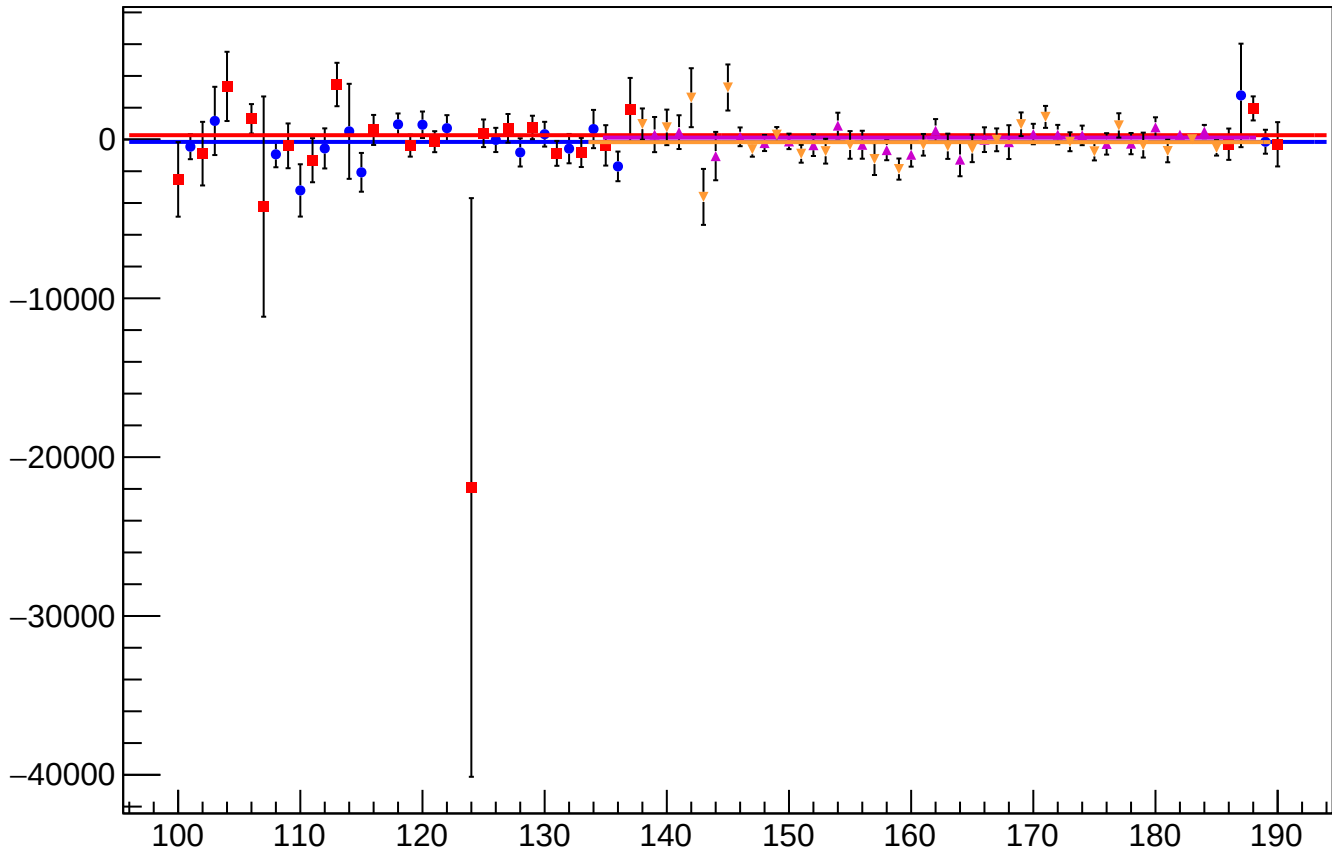
Left In: 1814.434+/-0.300 χ^2/NDF : 2094.6/22

+ sign 1823.019+/-0.249 χ^2/NDF : 897714.8/42

All: 1839.919+/-0.177 χ^2/NDF : 1328943.7/87

- sign 1857.293+/-0.252 χ^2/NDF : 421853.7/44

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -154.138 ± 225.461 χ^2/NDF : 18.0/17

Left Out: -167.909 ± 121.629 χ^2/NDF : 38.3/24

Right Out: 269.092 ± 222.260 χ^2/NDF : 25.8/21

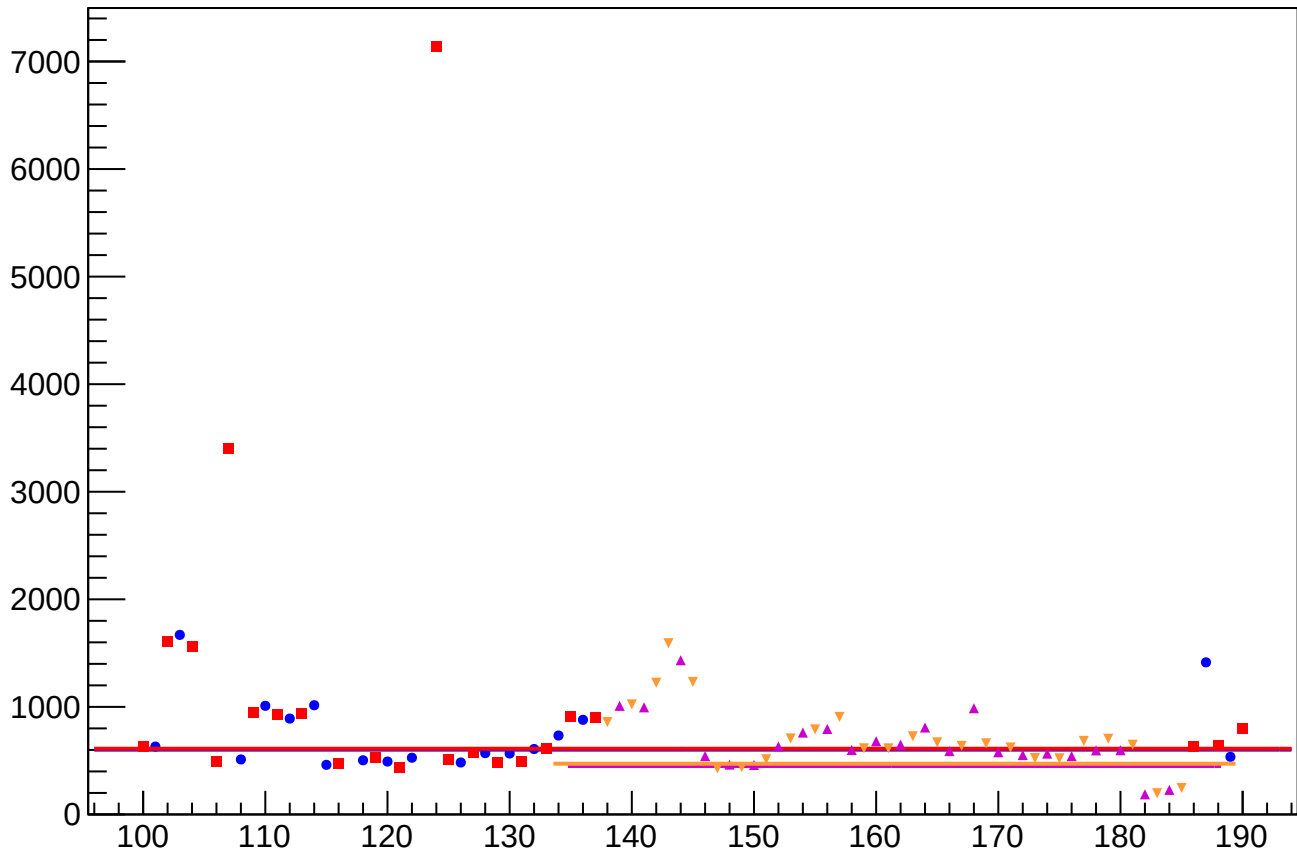
Left In: 117.211 ± 119.772 χ^2/NDF : 12.3/22

+ sign -164.805 ± 107.046 χ^2/NDF : 56.4/42

All: -4.314 ± 75.118 χ^2/NDF : 99.3/87

- sign 151.391 ± 105.437 χ^2/NDF : 38.5/44

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 603.034+/-0.159 χ^2/NDF : 1302670.6/17

Left Out: 471.778+/-0.086 χ^2/NDF : 8112665.9/24

Right Out: 610.778+/-0.157 χ^2/NDF : 2374045.2/21

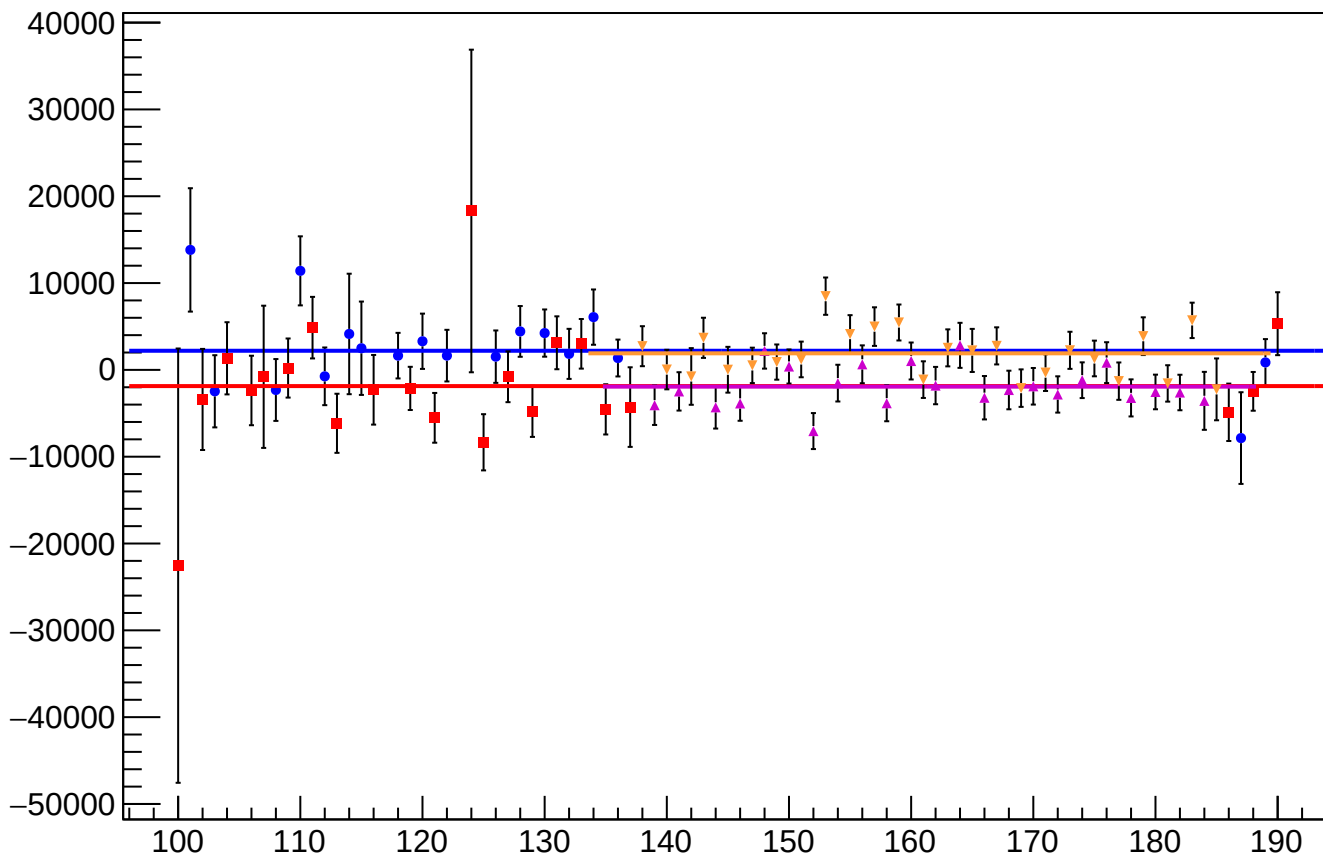
Left In: 450.653+/-0.085 χ^2/NDF : 7928317.5/22

+ sign 501.366+/-0.076 χ^2/NDF : 9940382.1/42

All: 493.916+/-0.053 χ^2/NDF : 21066290.1/87

- sign 486.688+/-0.075 χ^2/NDF : 11106822.1/44

asym_at1_avg_mean vs Slug



Right In: 2202.448 $\pm$ 766.986 χ^2 /NDF: 18.7/17

Left Out: 1907.369 $\pm$ 443.523 χ^2 /NDF: 36.3/24

Right Out: -1866.843 $\pm$ 733.275 χ^2 /NDF: 26.4/21

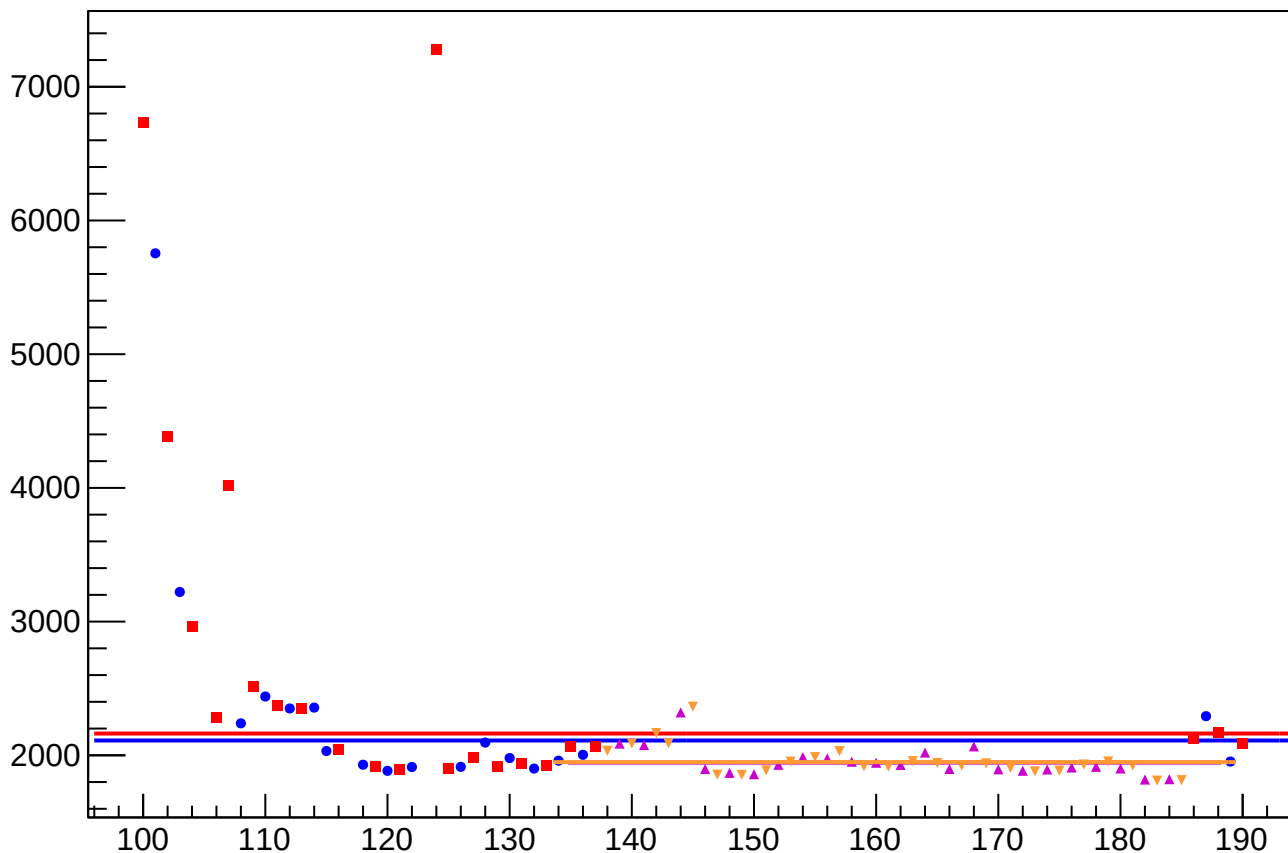
Left In: -1926.570 $\pm$ 454.880 χ^2 /NDF: 24.8/22

+ sign 1981.315 $\pm$ 383.950 χ^2 /NDF: 55.1/42

All: 48.776 $\pm$ 272.406 χ^2 /NDF: 157.3/87

- sign -1909.973 $\pm$ 386.545 χ^2 /NDF: 51.2/44

asym_at1_avg_rms vs Slug



Right In: 2110.746+/-0.542 χ^2/NDF : 769527.4/17

Left Out: 1949.001+/-0.314 χ^2/NDF :108523.9/24

Right Out: 2162.806+/-0.519 χ^2/NDF : 825194.0/21

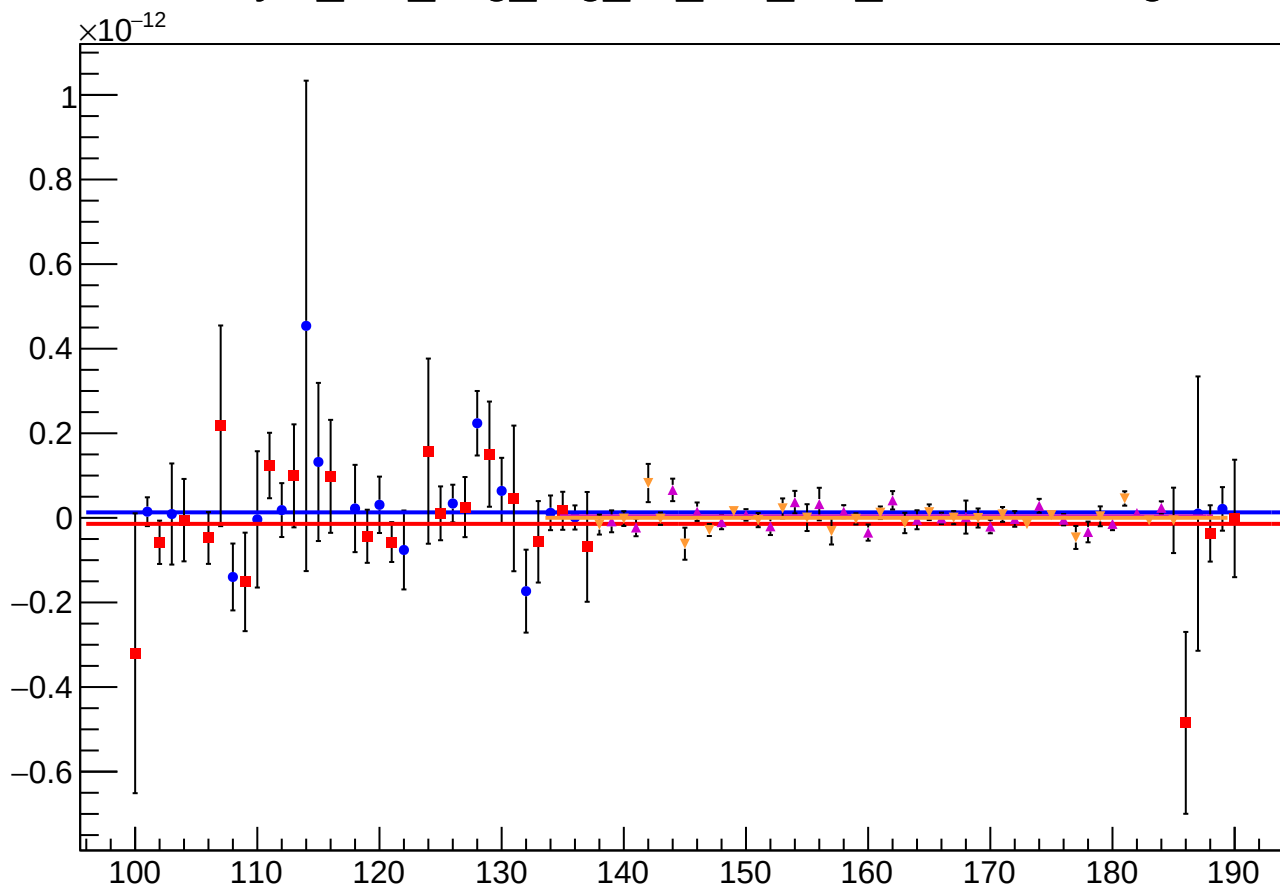
Left In: 1945.132+/-0.322 χ^2/NDF :95954.5/22

+ sign 1989.534+/-0.271 χ^2/NDF : 944705.8/42

All: 1997.523+/-0.193 χ^2/NDF : 1994864.8/87

- sign 2005.621+/-0.273 χ^2/NDF : 1048415.3/44

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/21

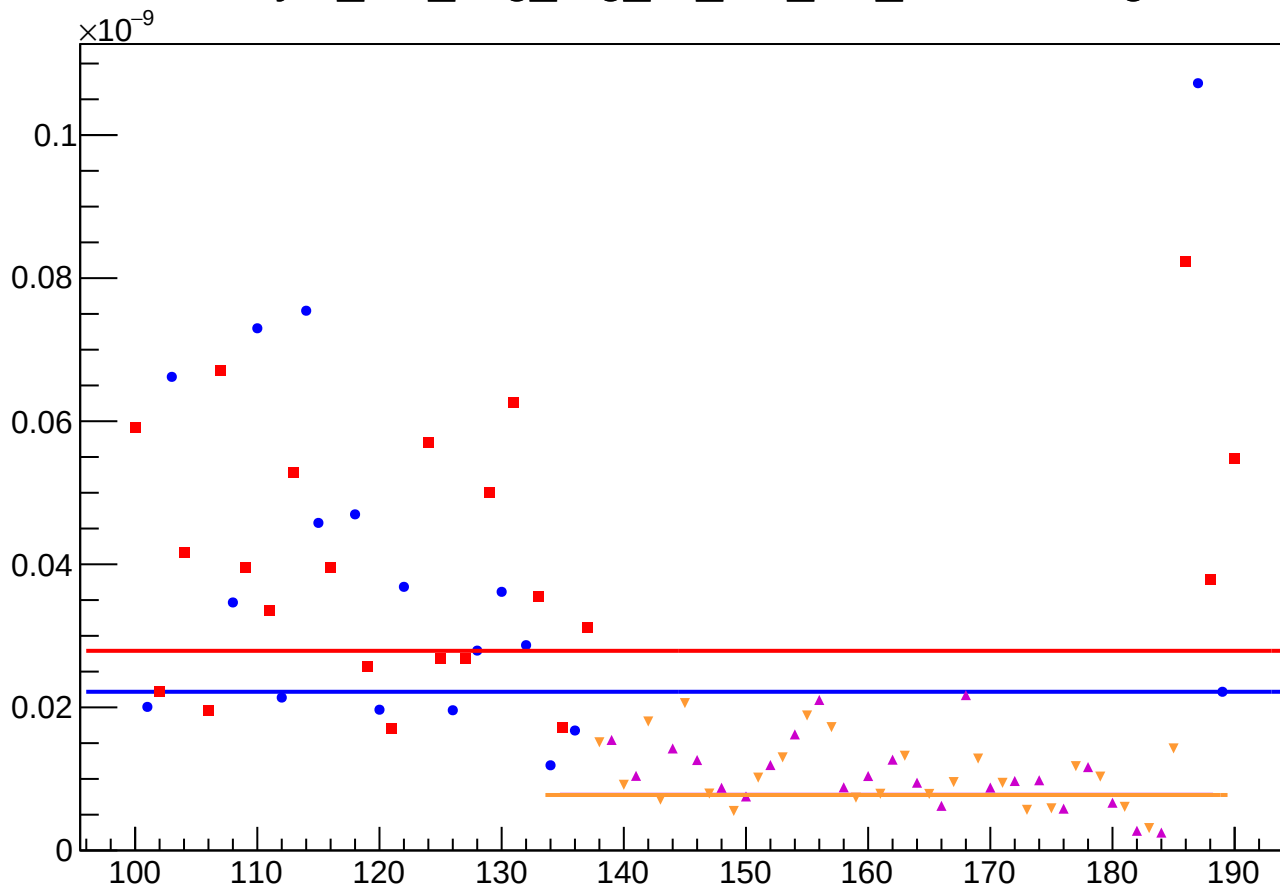
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:31.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.3/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 98.4/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 50.9/44

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1170485.5/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 969456.7/21

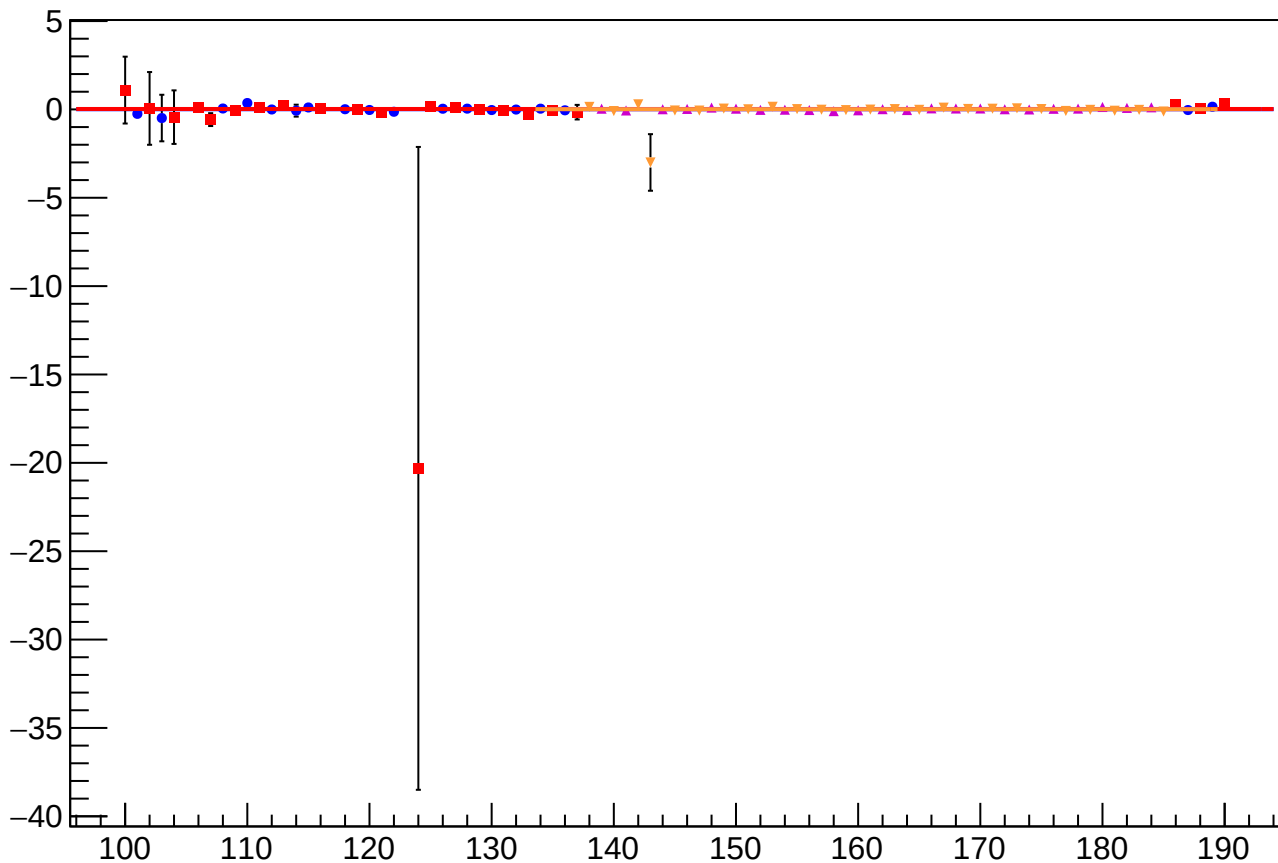
Left In: 0.000+/-0.000 χ^2/NDF : 2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 5303489.5/42

All: 0.000+/-0.000 χ^2/NDF : 11510606.3/87

- sign 0.000+/-0.000 χ^2/NDF : 6206339.0/44

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 ± 0.026 χ^2/NDF : 12.6/17

Left Out: 0.011 ± 0.012 χ^2/NDF : 29.6/24

Right Out: 0.024 ± 0.025 χ^2/NDF : 22.0/21

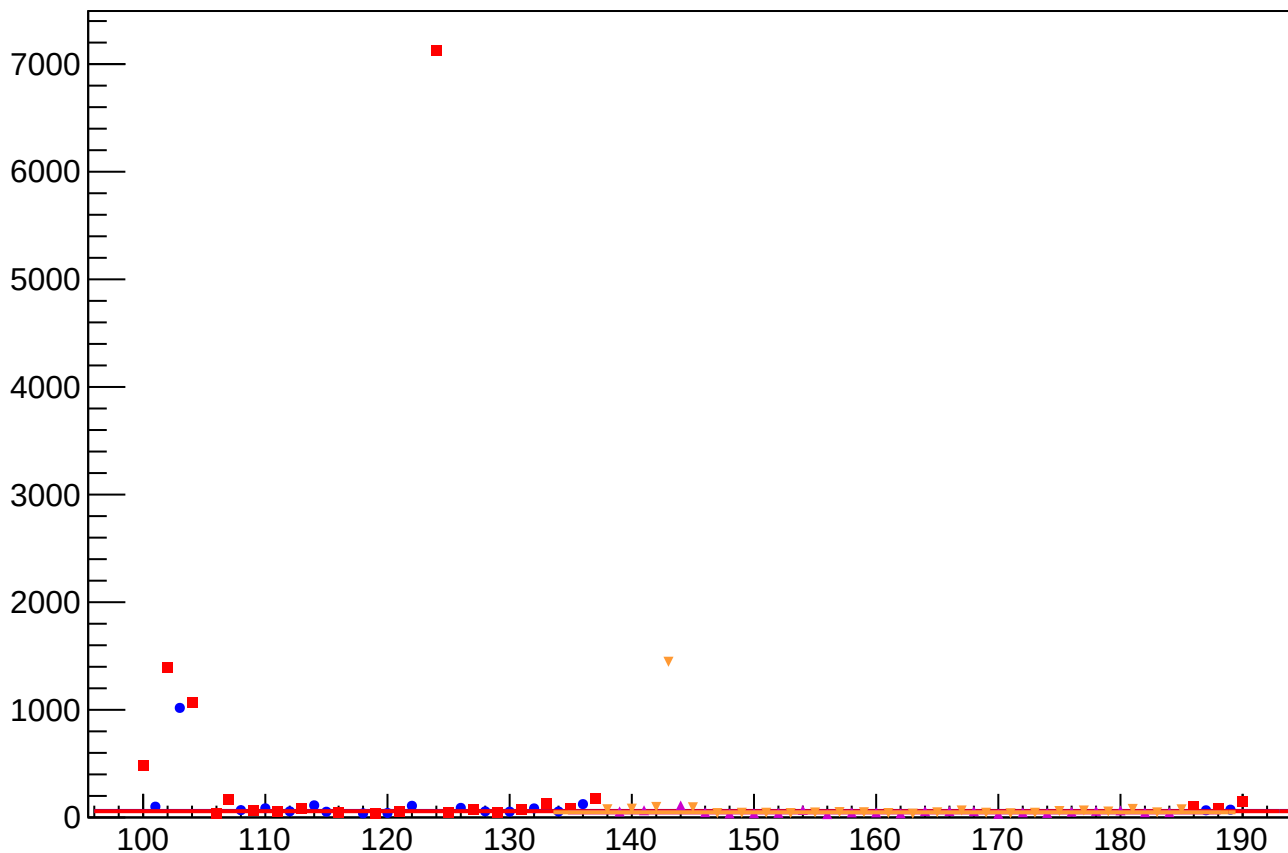
Left In: 0.018 ± 0.012 χ^2/NDF : 20.3/22

+ sign 0.011 ± 0.011 χ^2/NDF : 42.2/42

All: 0.015 ± 0.008 χ^2/NDF : 84.9/87

- sign 0.019 ± 0.011 χ^2/NDF : 42.4/44

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.454+/-0.018 χ^2/NDF : 2557781.1/17

Left Out: 47.901+/-0.009 χ^2/NDF : 3496596.6/24

Right Out: 58.136+/-0.017 χ^2/NDF : 4075939.5/21

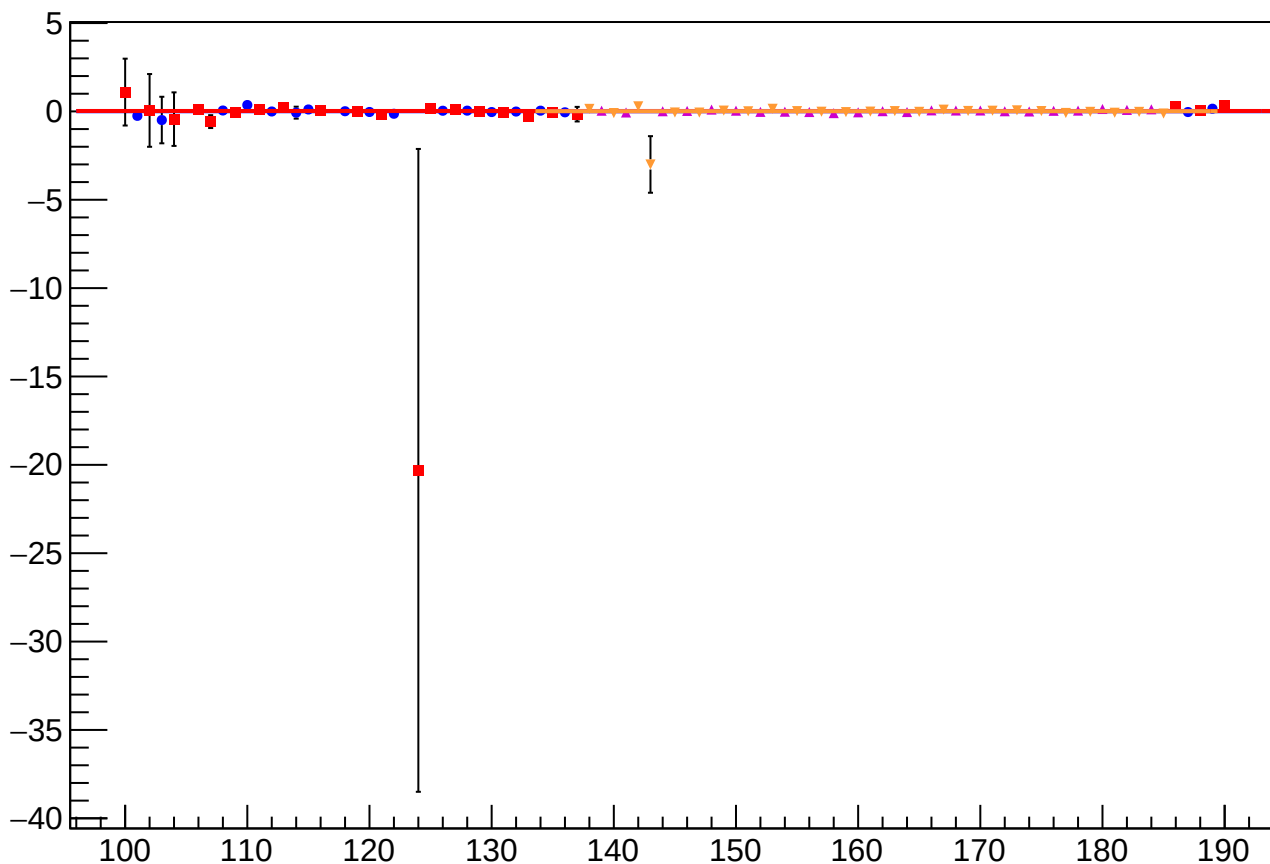
Left In: 46.786+/-0.009 χ^2/NDF : 1949486.1/22

+ sign 50.255+/-0.008 χ^2/NDF : 6436108.2/42

All: 49.640+/-0.006 χ^2/NDF : 12815726.6/87

- sign 49.051+/-0.008 χ^2/NDF : 6367830.5/44

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.026 χ^2 /NDF: 12.6/17

Left Out: 0.011 $\pm$ 0.012 χ^2 /NDF:29.6/24

Right Out: 0.024 $\pm$ 0.025 χ^2 /NDF: 22.0/21

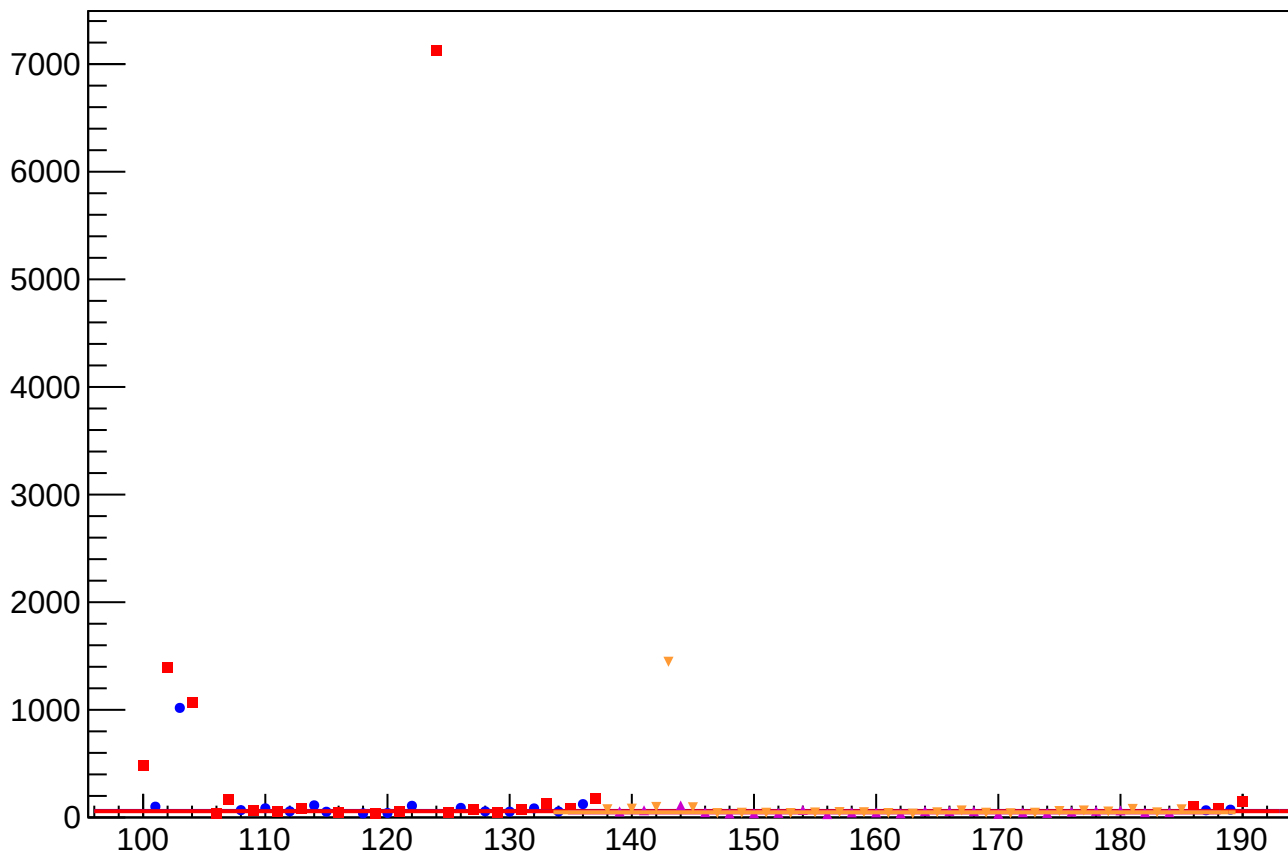
Left In: 0.018 $\pm$ 0.012 χ^2 /NDF:20.3/22

+ sign 0.011 $\pm$ 0.011 χ^2 /NDF: 42.2/42

All: 0.015 $\pm$ 0.008 χ^2 /NDF: 84.9/87

- sign 0.019 $\pm$ 0.011 χ^2 /NDF: 42.4/44

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.454+/-0.018 χ^2/NDF : 2557781.1/17

Left Out: 47.901+/-0.009 χ^2/NDF : 3496596.6/24

Right Out: 58.136+/-0.017 χ^2/NDF : 4075939.5/21

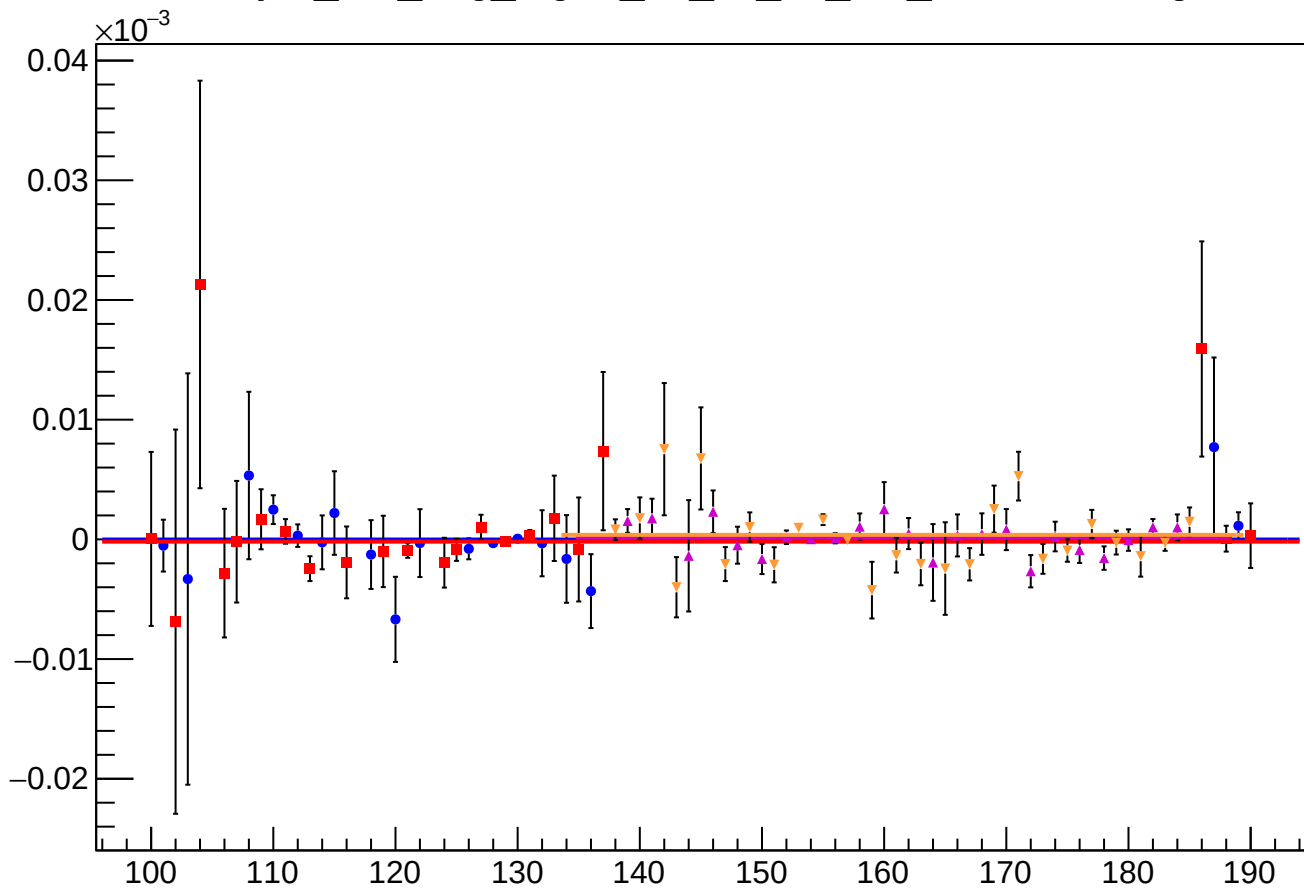
Left In: 46.786+/-0.009 χ^2/NDF : 1949486.1/22

+ sign 50.255+/-0.008 χ^2/NDF : 6436108.2/42

All: 49.640+/-0.006 χ^2/NDF : 12815726.6/87

- sign 49.051+/-0.008 χ^2/NDF : 6367830.5/44

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.0/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 51.7/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.9/21

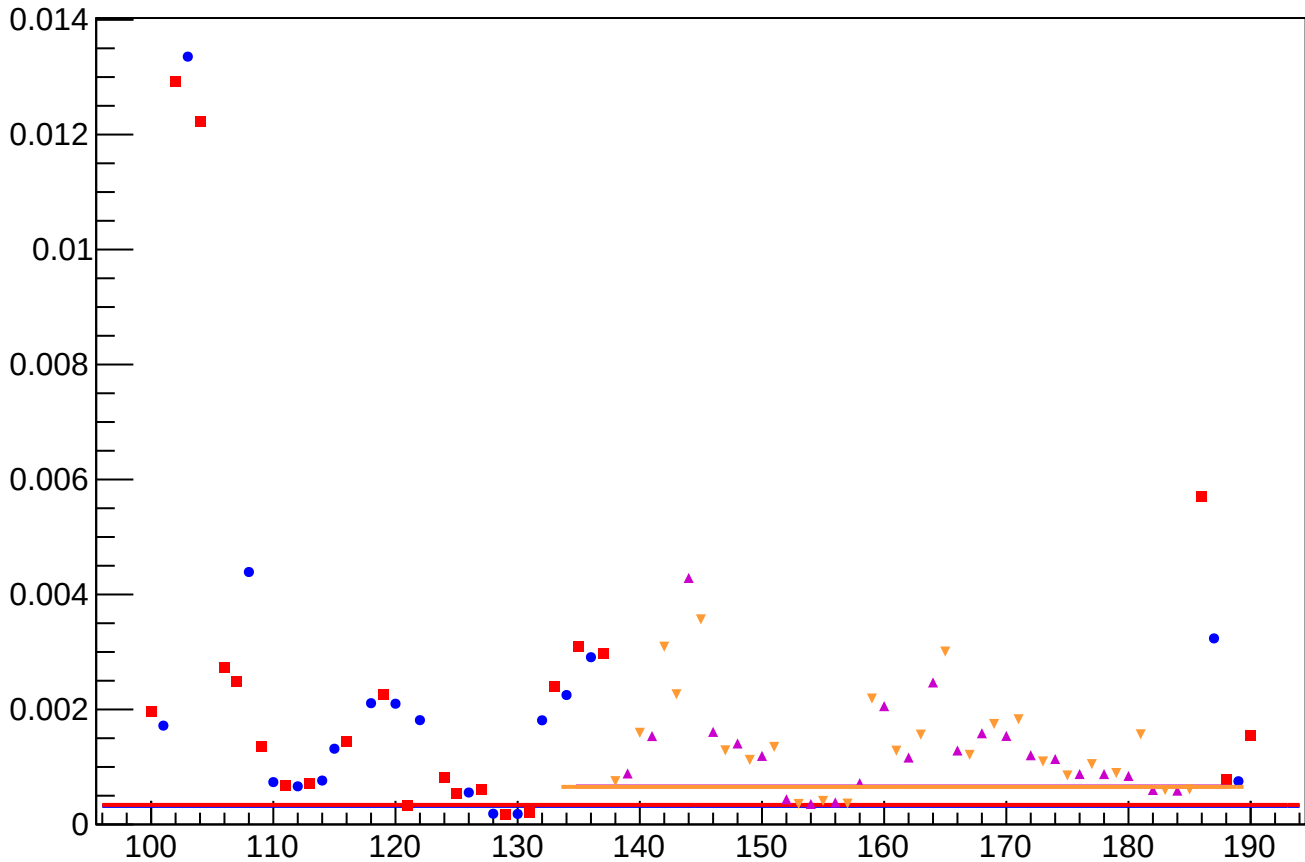
Left In: 0.000 ± 0.000 χ^2/NDF : 19.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 68.9/42

All: 0.000 ± 0.000 χ^2/NDF : 110.5/87

- sign -0.000 ± 0.000 χ^2/NDF : 40.4/44

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9357988.5/17

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 12083891.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9494589.2/21

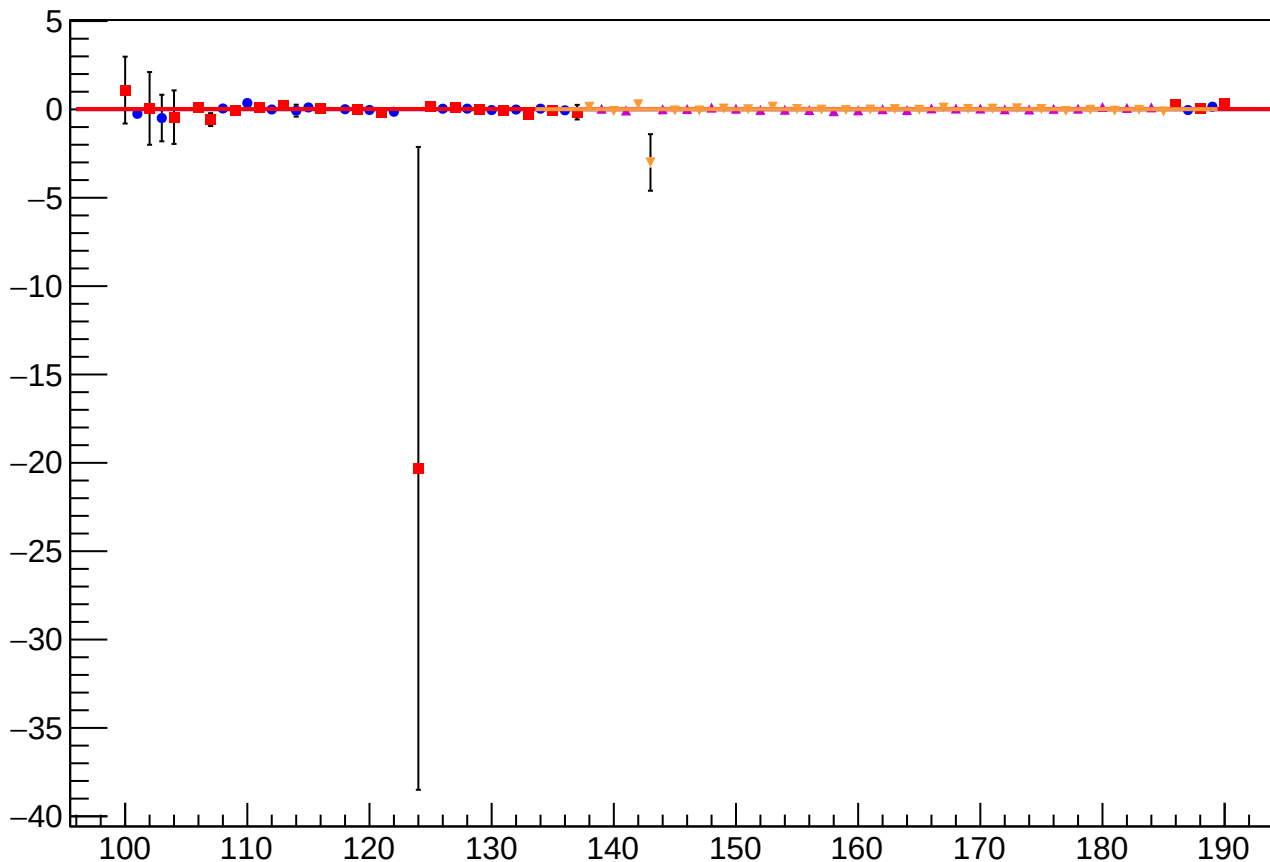
Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 9695095.3/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 24586439.9/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 46672734.0/87

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 22084287.8/44

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009 $\pm$ 0.026 χ^2 /NDF: 12.6/17

Left Out: 0.011 $\pm$ 0.012 χ^2 /NDF: 29.6/24

Right Out: 0.024 $\pm$ 0.025 χ^2 /NDF: 22.0/21

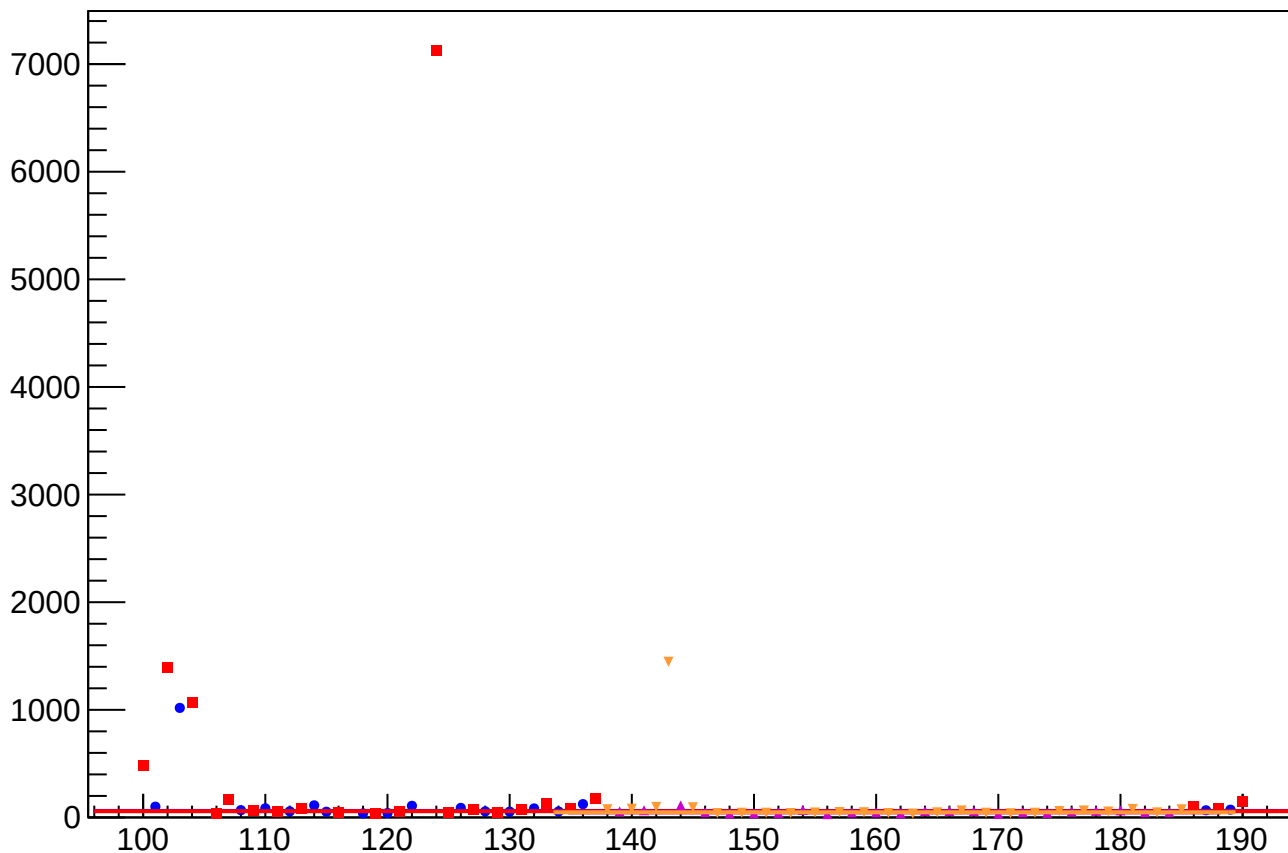
Left In: 0.018 $\pm$ 0.012 χ^2 /NDF: 20.3/22

+ sign 0.011 $\pm$ 0.011 χ^2 /NDF: 42.2/42

All: 0.015 $\pm$ 0.008 χ^2 /NDF: 84.9/87

- sign 0.019 $\pm$ 0.011 χ^2 /NDF: 42.4/44

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.454 $\pm$ 0.018 χ^2 /NDF: 2557798.3/17

Left Out: 47.902 $\pm$ 0.009 χ^2 /NDF: 3496571.8/24

Right Out: 58.135 $\pm$ 0.017 χ^2 /NDF: 4076041.9/21

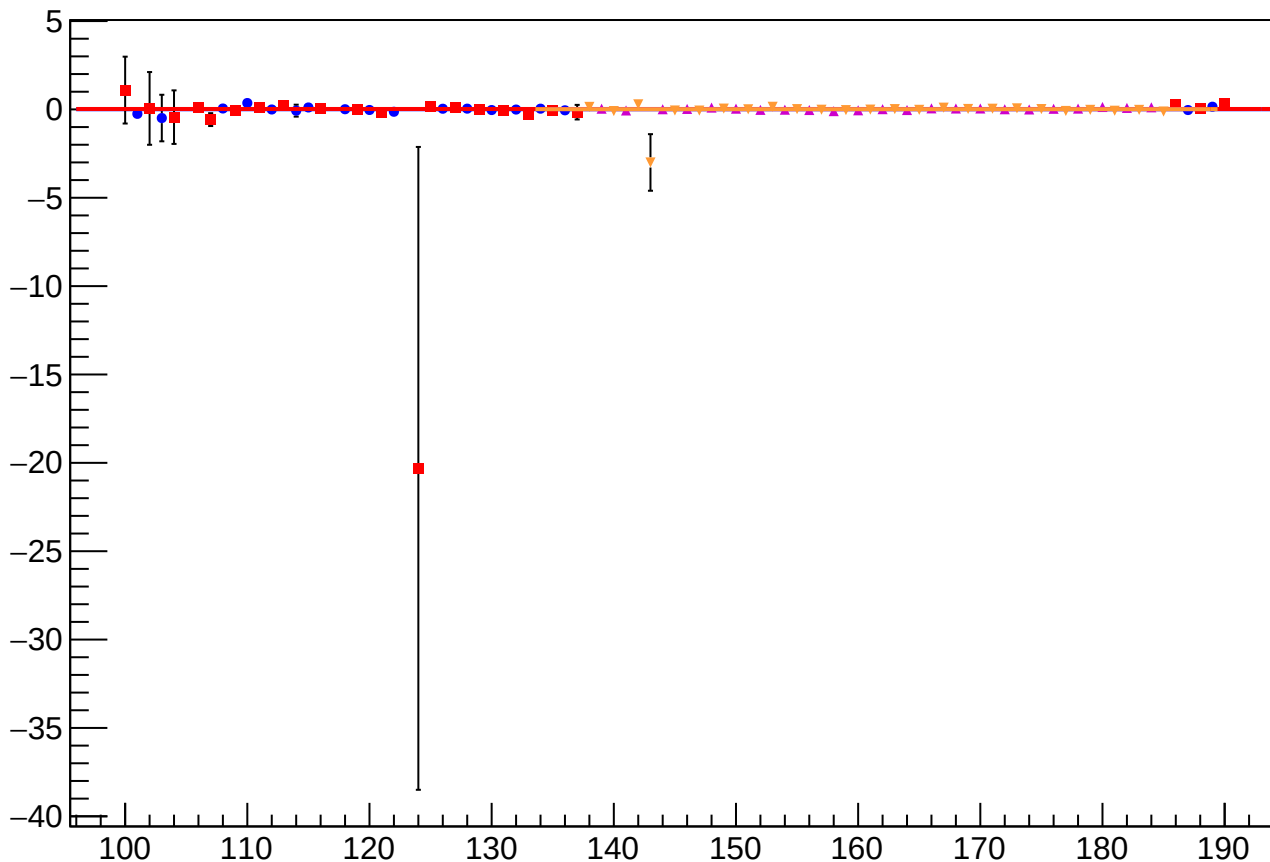
Left In: 46.786 $\pm$ 0.009 χ^2 /NDF: 1949480.3/22

+ sign 50.255 $\pm$ 0.008 χ^2 /NDF: 6436080.1/42

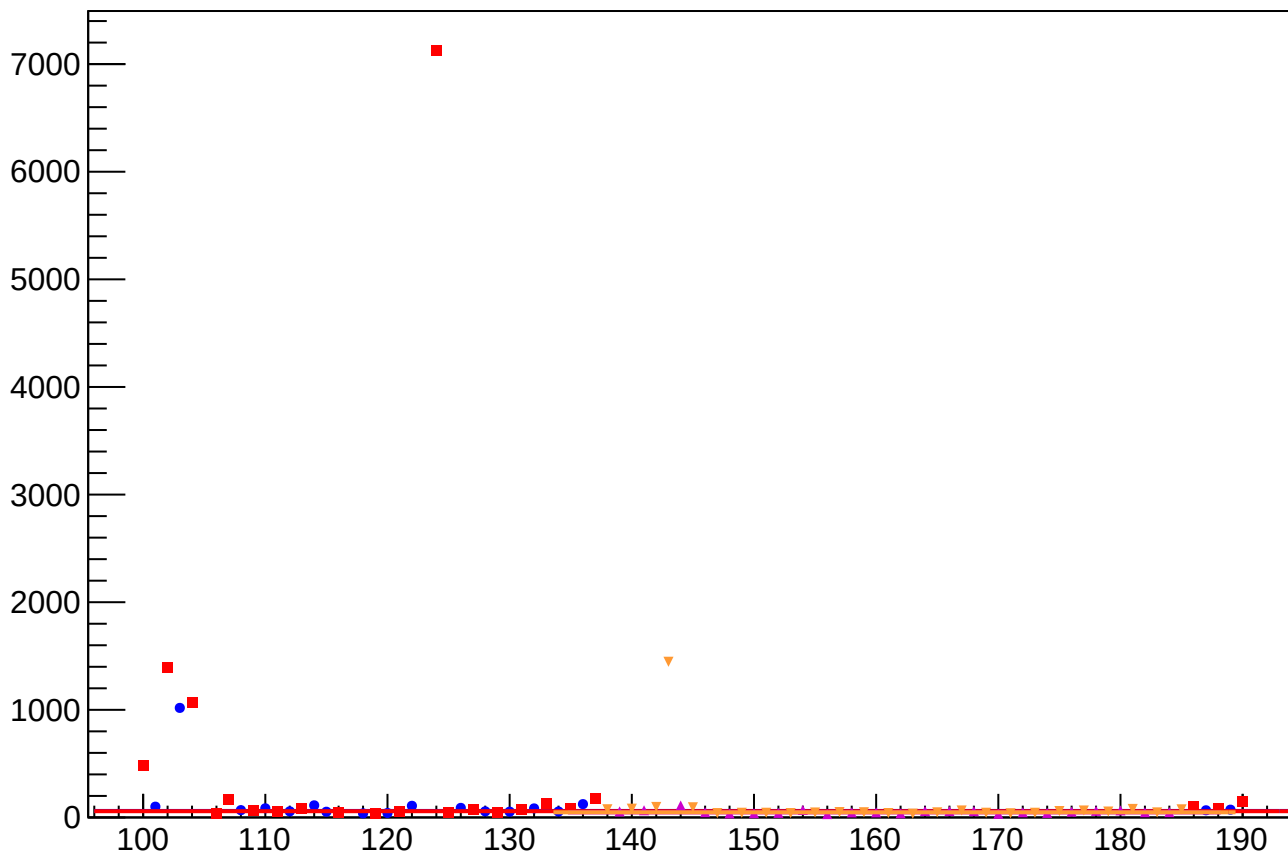
All: 49.640 $\pm$ 0.006 χ^2 /NDF: 12815746.8/87

- sign 49.051 $\pm$ 0.008 χ^2 /NDF: 6367872.1/44

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.454+/-0.018 χ^2/NDF : 2557798.3/17

Left Out: 47.902+/-0.009 χ^2/NDF : 3496571.8/24

Right Out: 58.135+/-0.017 χ^2/NDF : 4076041.9/21

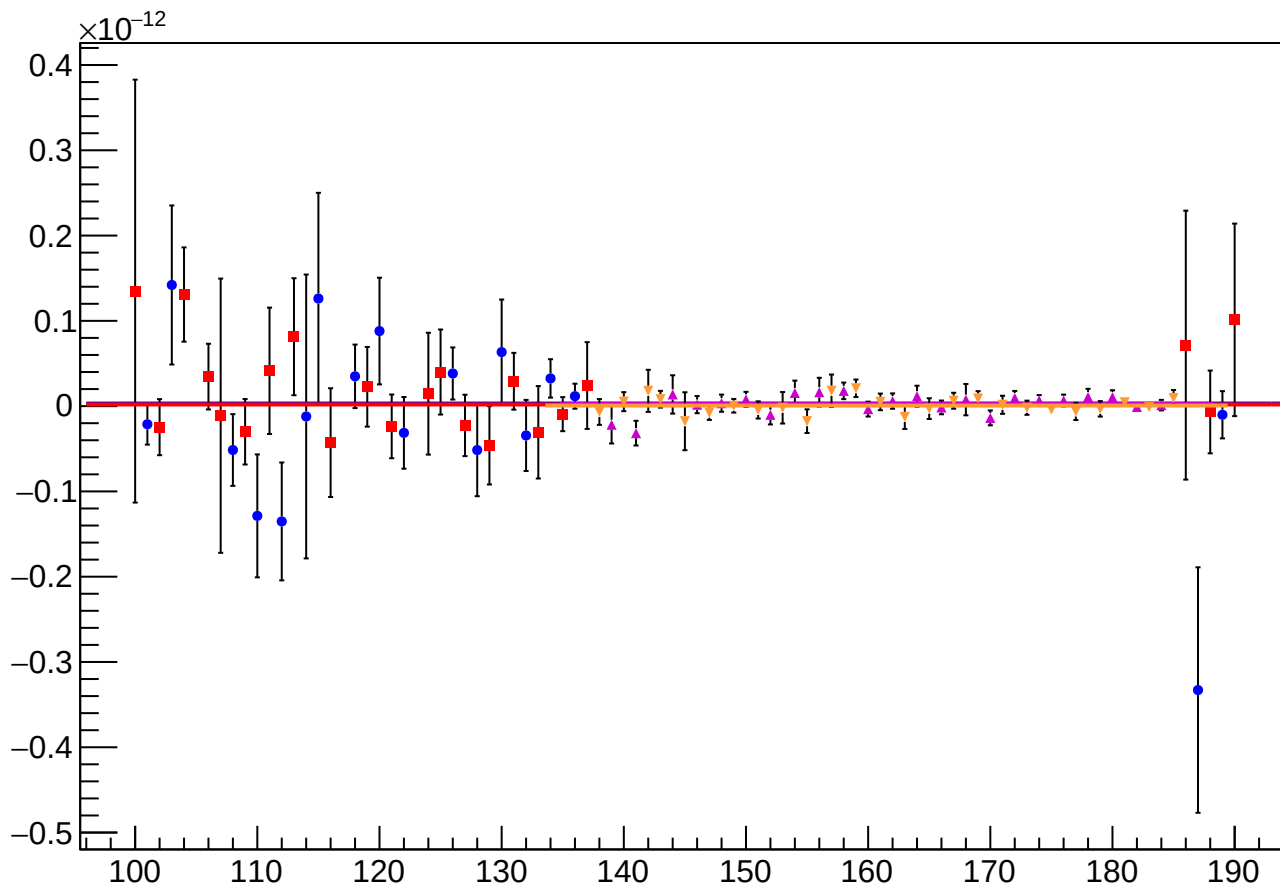
Left In: 46.786+/-0.009 χ^2/NDF : 1949480.3/22

+ sign 50.255+/-0.008 χ^2/NDF : 6436080.1/42

All: 49.640+/-0.006 χ^2/NDF : 12815746.8/87

- sign 49.051+/-0.008 χ^2/NDF : 6367872.1/44

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 28.4/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/21

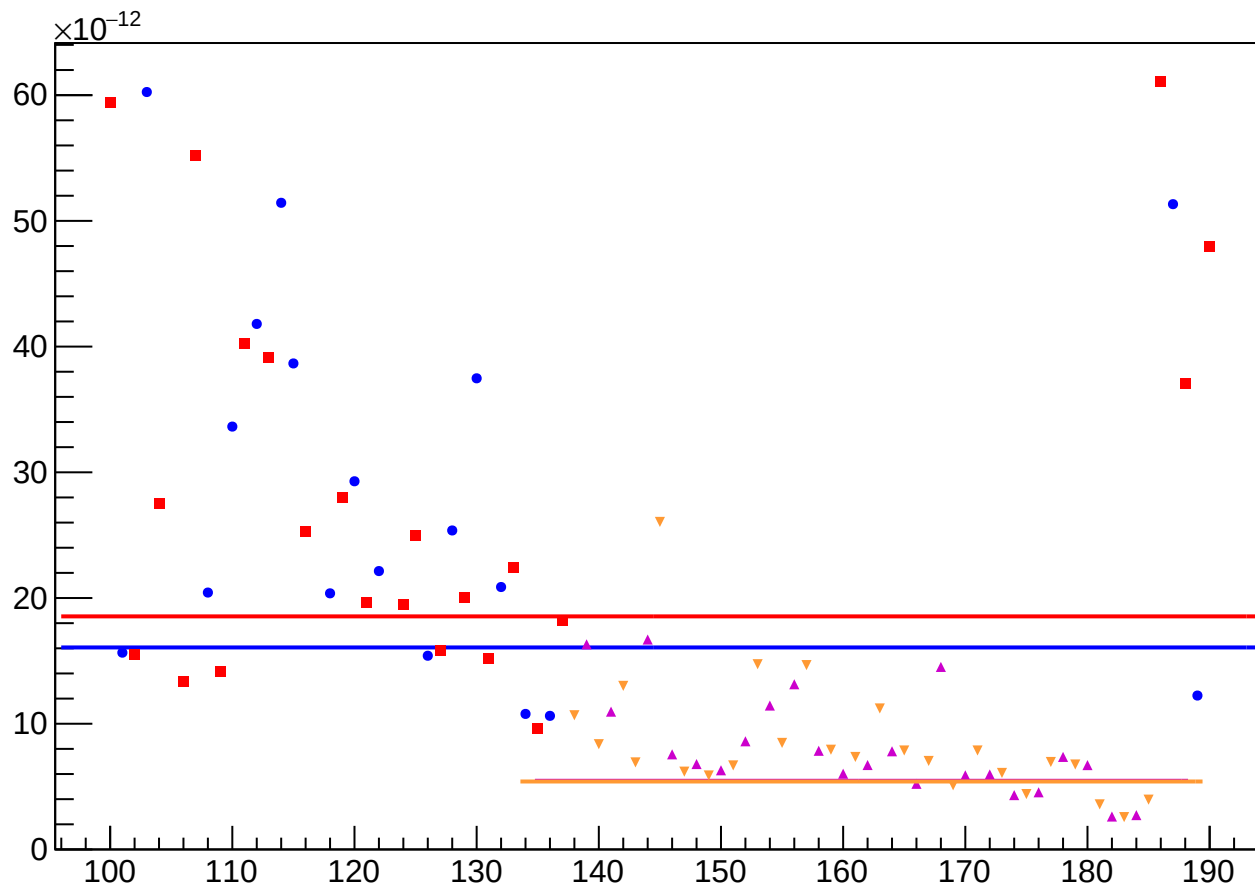
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:21.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 43.6/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 81.2/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.1/44

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2054895.4/17

Left Out: 0.000+/-0.000 χ^2/NDF : 5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1796184.4/21

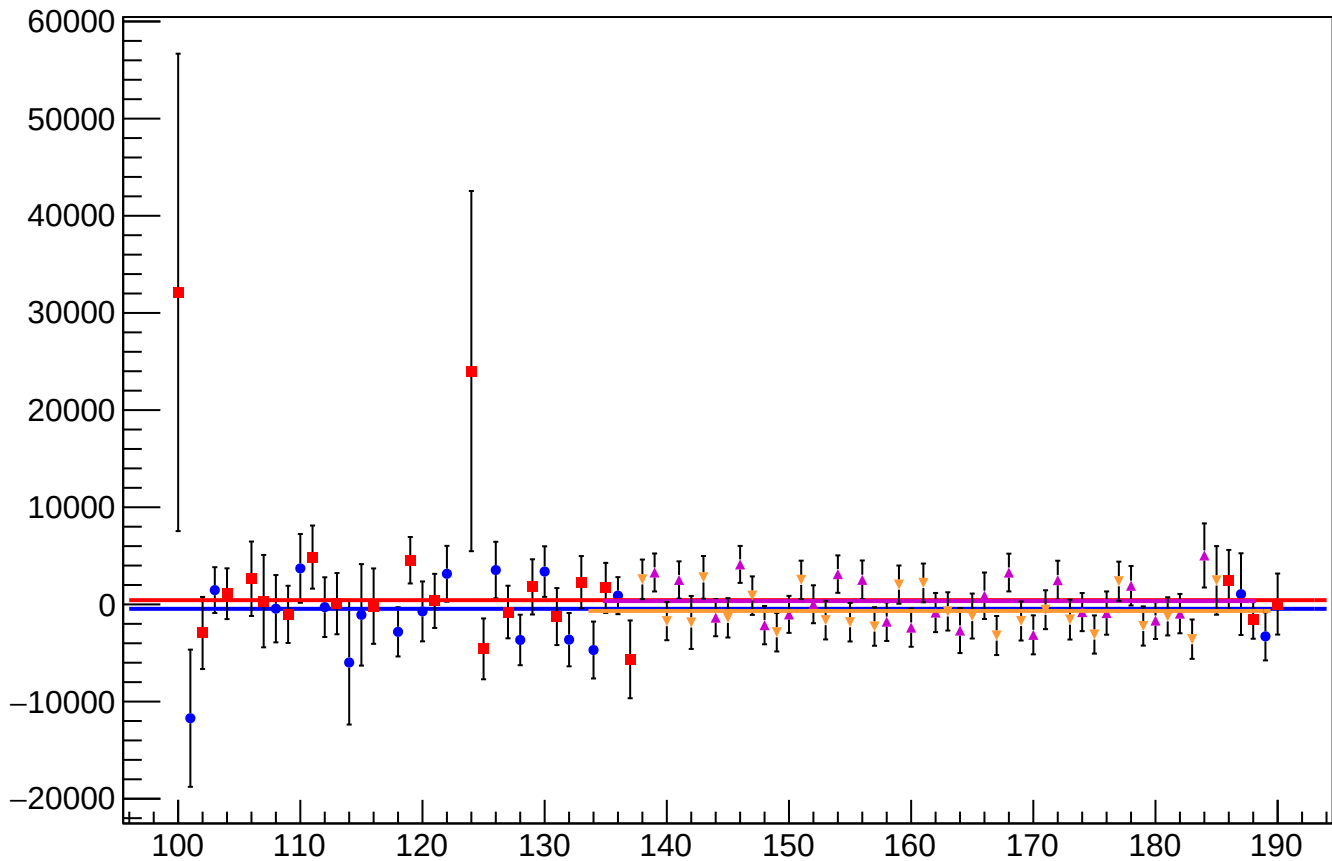
Left In: 0.000+/-0.000 χ^2/NDF : 4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 10401619.0/42

All: 0.000+/-0.000 χ^2/NDF : 20744213.6/87

- sign 0.000+/-0.000 χ^2/NDF : 10341586.7/44

reg_asym_at1_dd_mean vs Slug



Right In: -454.472 ± 695.037 χ^2/NDF : 18.8/17

Left Out: -670.041 ± 412.206 χ^2/NDF : 24.7/24

Right Out: 438.356 ± 656.809 χ^2/NDF : 17.5/21

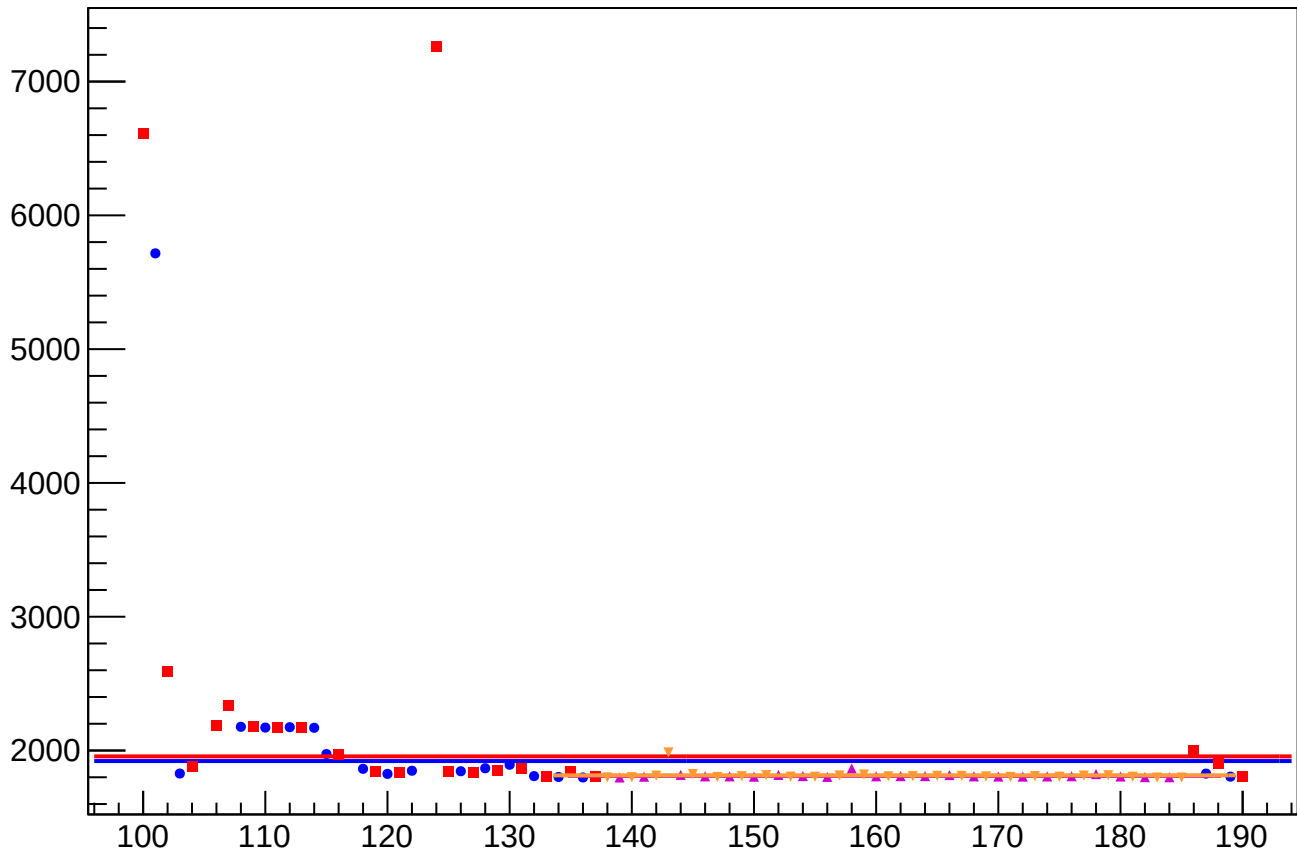
Left In: 342.945 ± 422.712 χ^2/NDF : 30.1/22

+ sign -613.948 ± 354.543 χ^2/NDF : 43.6/42

All: -122.800 ± 251.023 χ^2/NDF : 95.0/87

- sign 370.890 ± 355.459 χ^2/NDF : 47.6/44

reg_asym_at1_dd_rms vs Slug



Right In: 1921.095+/-0.491 χ^2/NDF : 645971.6/17

Left Out: 1814.435+/-0.291 χ^2/NDF :13102.1/24

Right Out: 1956.128+/-0.464 χ^2/NDF : 385368.3/21

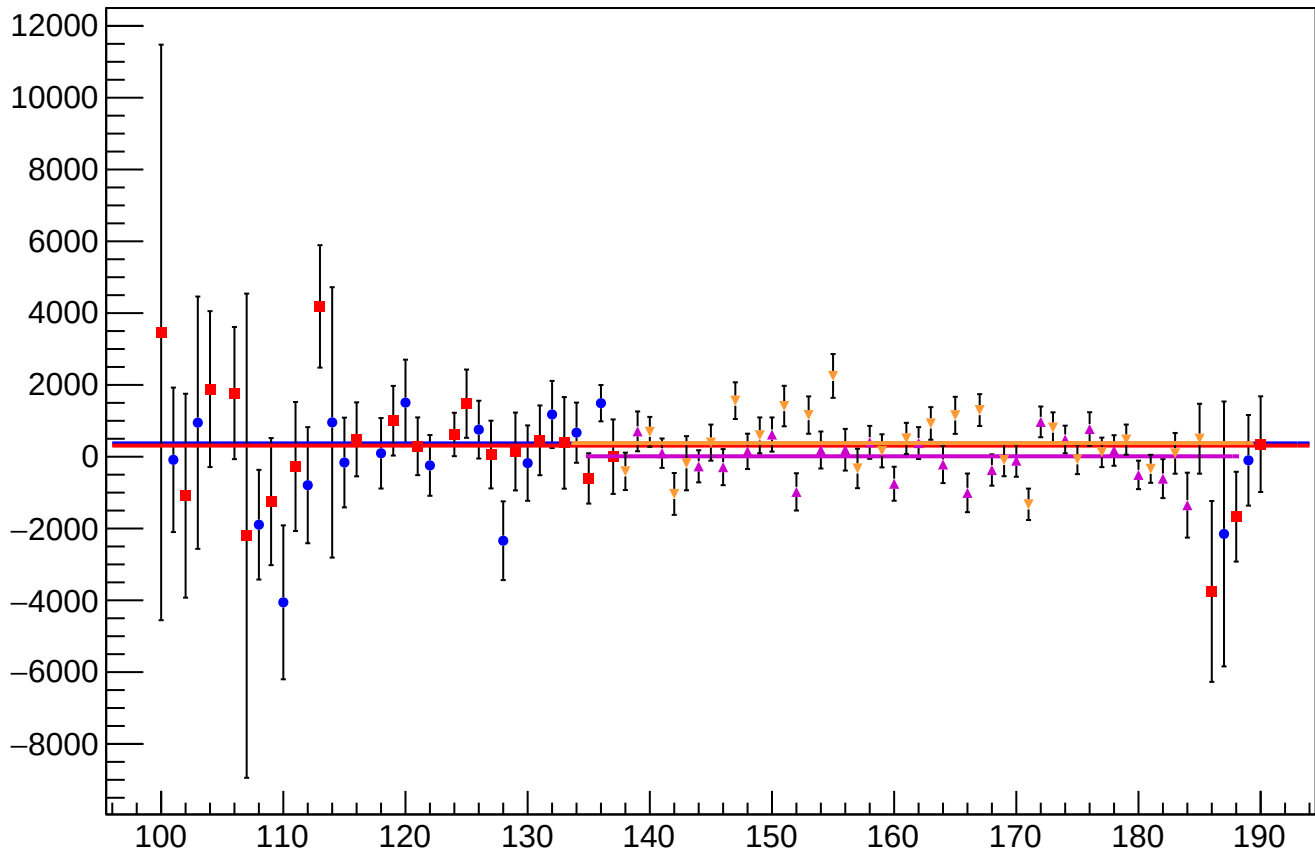
Left In: 1810.457+/-0.299 χ^2/NDF :1967.2/22

+ sign 1842.189+/-0.251 χ^2/NDF : 693918.0/42

All: 1847.641+/-0.177 χ^2/NDF : 1151766.6/87

- sign 1853.123+/-0.251 χ^2/NDF : 456900.0/44

asym_at1_dd_reg_correction_mean vs Slug



Right In: 370.450 $\pm$ 252.714 χ^2 /NDF: 21.8/17

Left Out: 379.353 $\pm$ 97.013 χ^2 /NDF:62.3/24

Right Out: 309.700 $\pm$ 242.504 χ^2 /NDF: 17.1/21

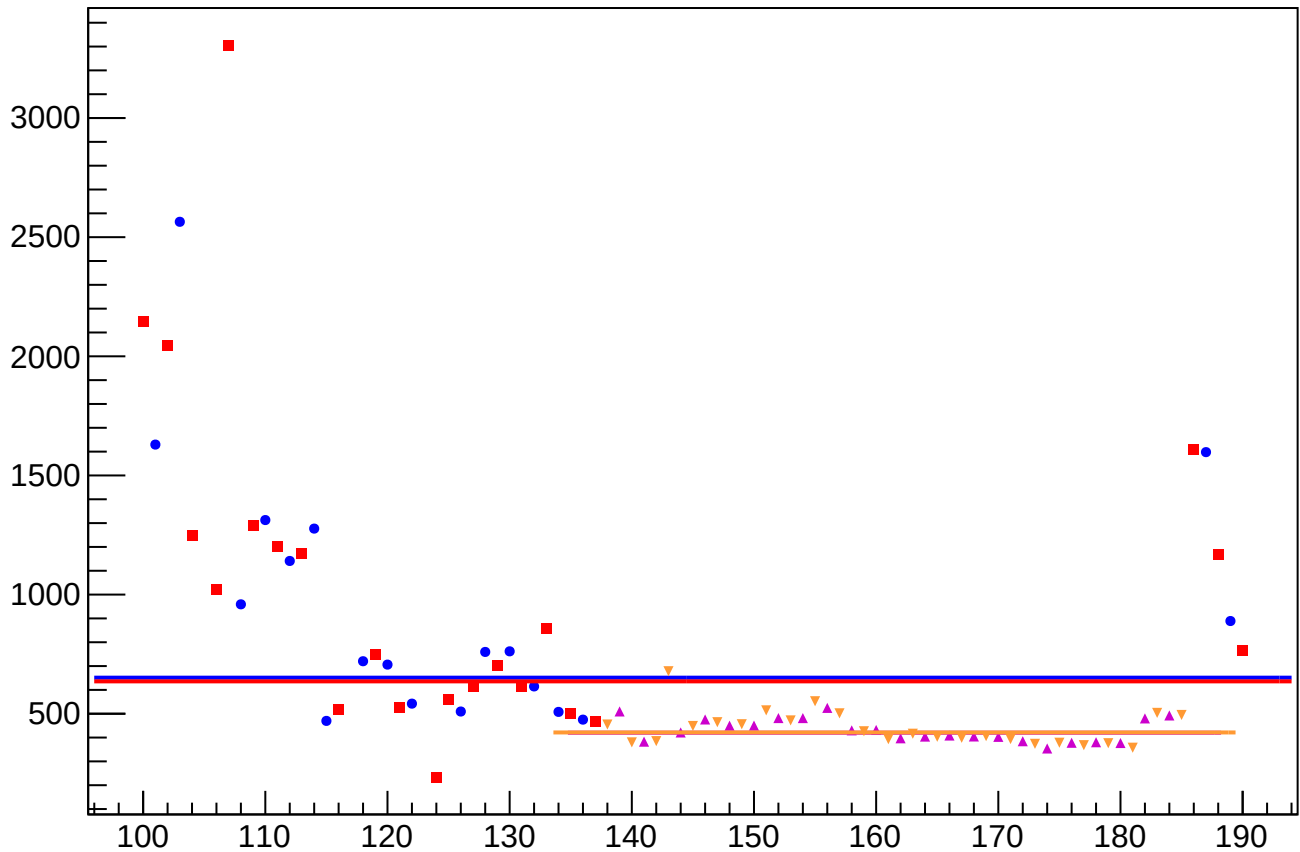
Left In: 11.527 $\pm$ 98.976 χ^2 /NDF:31.1/22

+ sign 378.209 $\pm$ 90.569 χ^2 /NDF: 84.1/42

All: 218.058 $\pm$ 64.416 χ^2 /NDF: 139.9/87

- sign 54.105 $\pm$ 91.637 χ^2 /NDF: 49.5/44

asym_at1_dd_reg_correction_rms vs Slug



Right In: 651.334 ± 0.179 χ^2/NDF : 2275911.9/17

Left Out: 421.417 ± 0.069 χ^2/NDF : 743048.1/24

Right Out: 635.803 ± 0.171 χ^2/NDF : 3663310.2/21

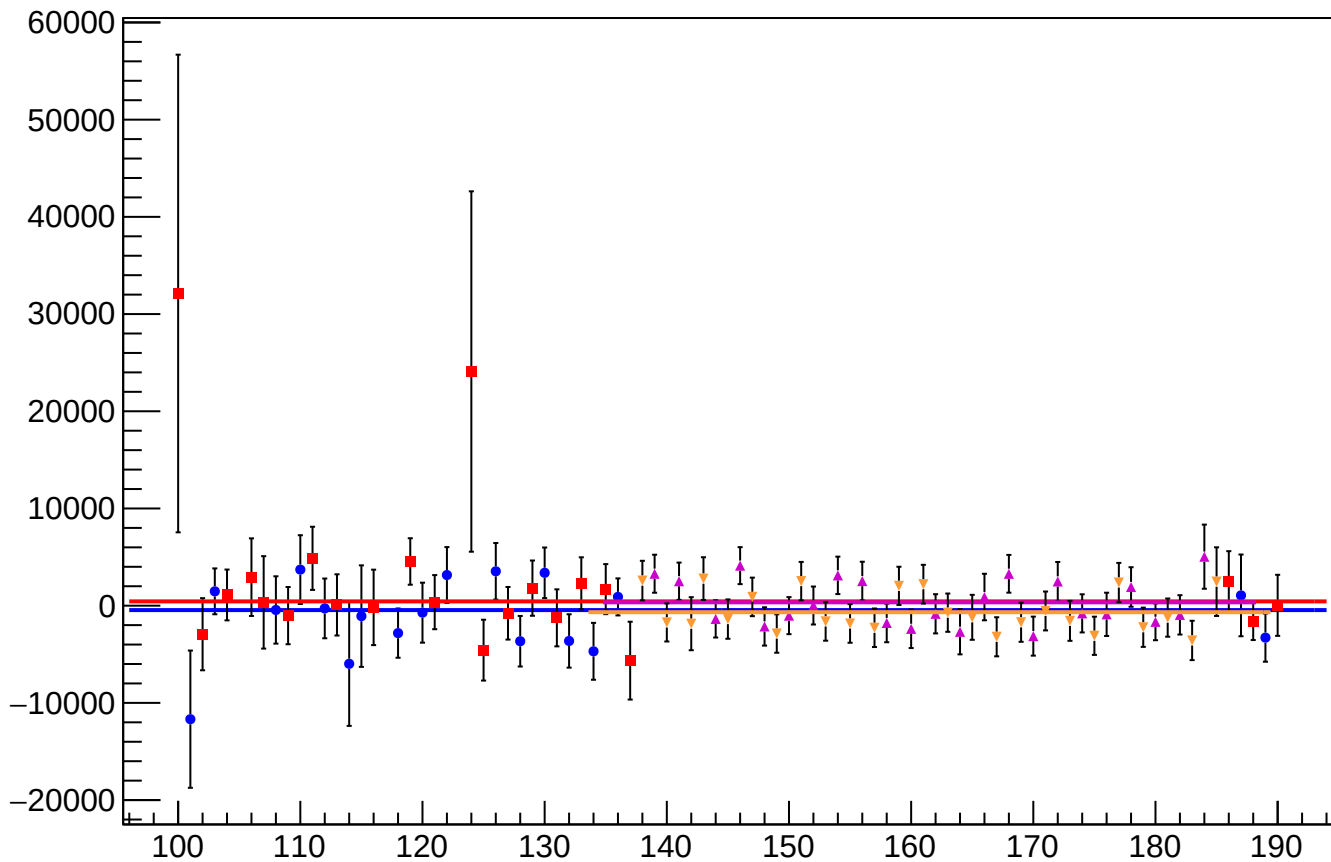
Left In: 420.222 ± 0.070 χ^2/NDF : 413129.7/22

+ sign 450.947 ± 0.064 χ^2/NDF : 4461784.9/42

All: 450.976 ± 0.046 χ^2/NDF : 9893102.0/87

- sign 451.006 ± 0.065 χ^2/NDF : 5431316.7/44

cor_asym_at1_dd_mean vs Slug



Right In: -453.750 ± 695.037 χ^2/NDF : 18.8/17

Left Out: -670.031 ± 412.206 χ^2/NDF : 24.7/24

Right Out: 441.649 ± 657.572 χ^2/NDF : 17.6/21

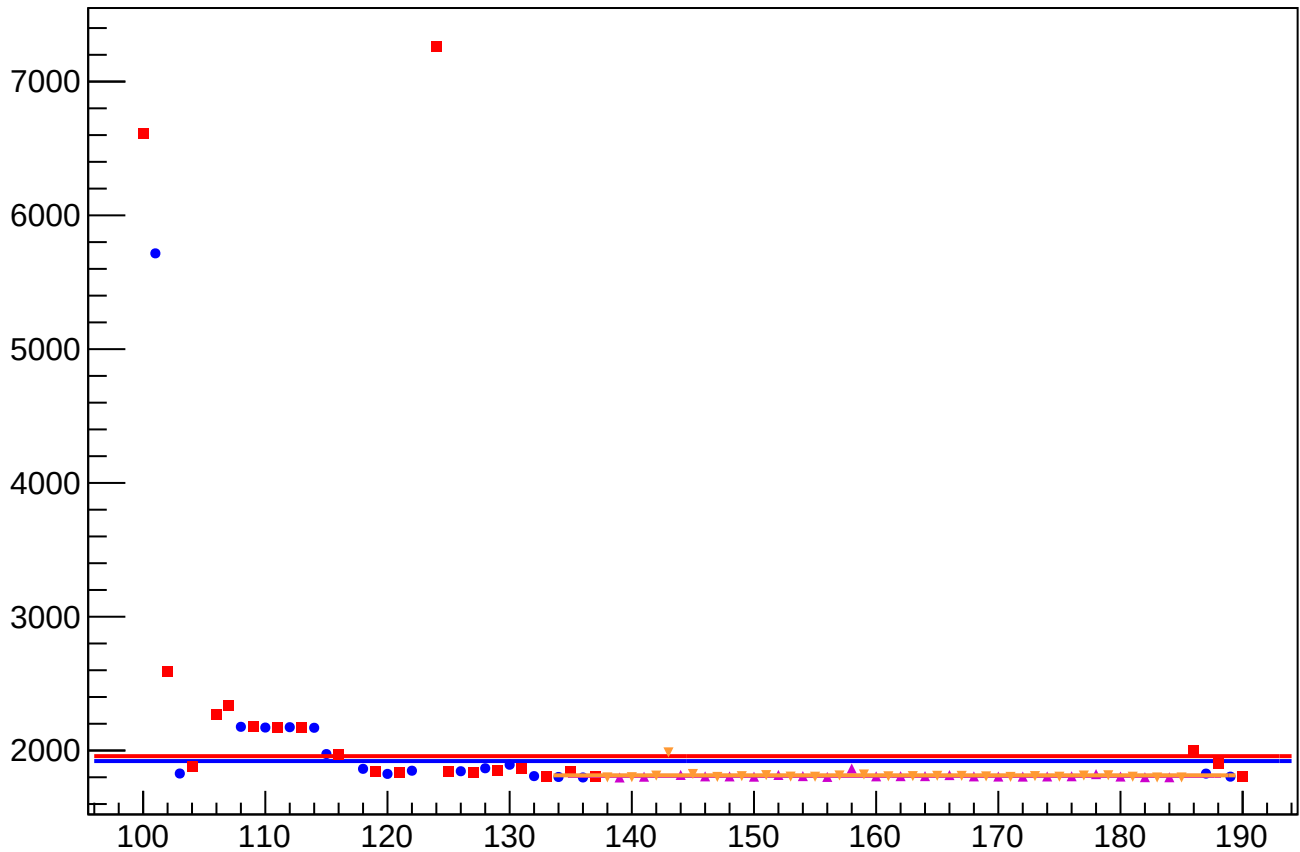
Left In: 342.989 ± 422.712 χ^2/NDF : 30.1/22

+ sign -613.753 ± 354.543 χ^2/NDF : 43.6/42

All: -122.396 ± 251.065 χ^2/NDF : 95.1/87

- sign 371.838 ± 355.579 χ^2/NDF : 47.7/44

cor_asym_at1_dd_rms vs Slug



Right In: 1921.095 $\pm$ 0.491 χ^2 /NDF: 645971.5/17

Left Out: 1814.435 $\pm$ 0.291 χ^2 /NDF:13102.1/24

Right Out: 1957.814 $\pm$ 0.465 χ^2 /NDF: 390375.7/21

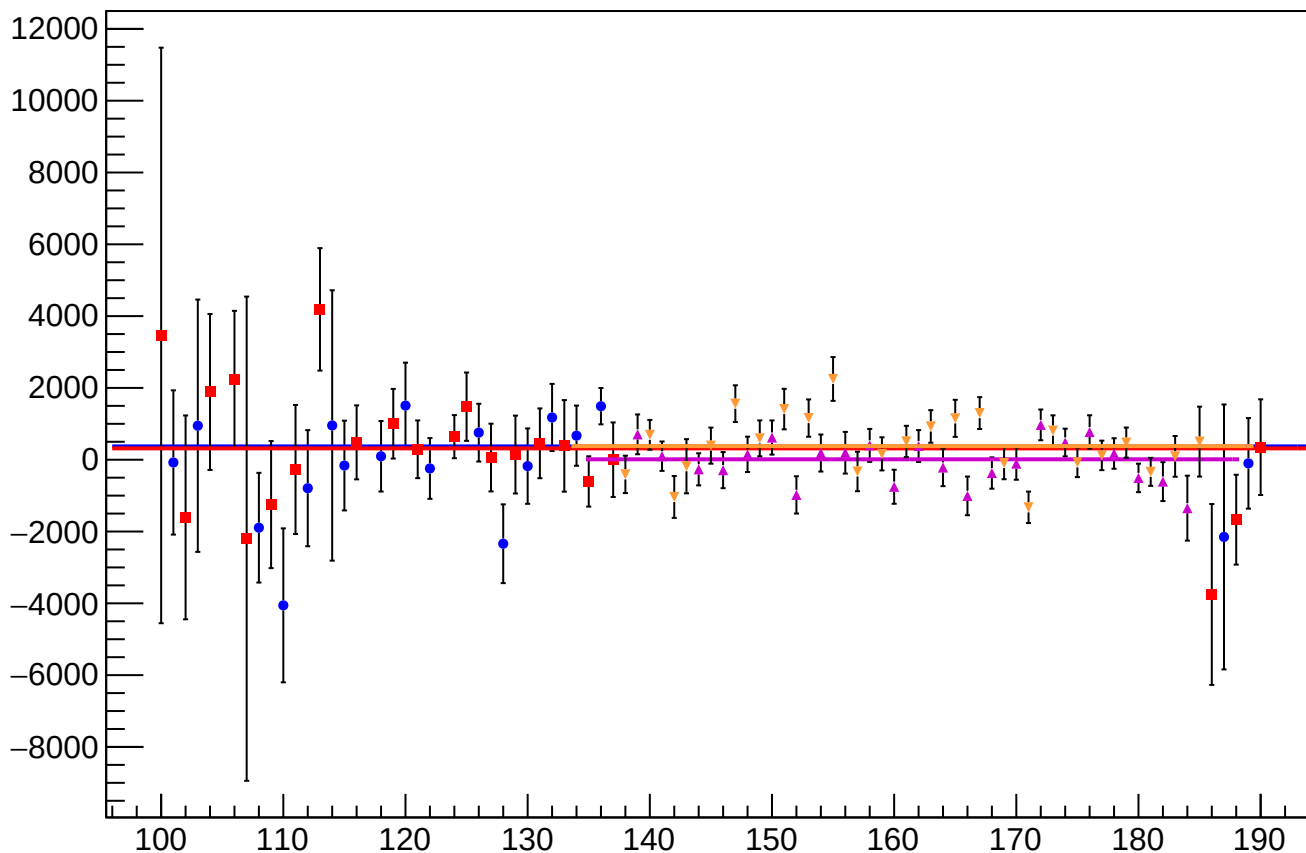
Left In: 1810.457 $\pm$ 0.299 χ^2 /NDF:1967.2/22

+ sign 1842.189 $\pm$ 0.251 χ^2 /NDF: 693917.8/42

All: 1847.850 $\pm$ 0.178 χ^2 /NDF: 1158350.6/87

- sign 1853.545 $\pm$ 0.251 χ^2 /NDF: 463409.7/44

asym_at1_dd_cor_correction_mean vs Slug



Right In: 370.505 $\pm$ 252.704 χ^2 /NDF: 21.8/17

Left Out: 379.343 $\pm$ 97.014 χ^2 /NDF: 62.3/24

Right Out: 315.935 $\pm$ 242.370 χ^2 /NDF: 17.7/21

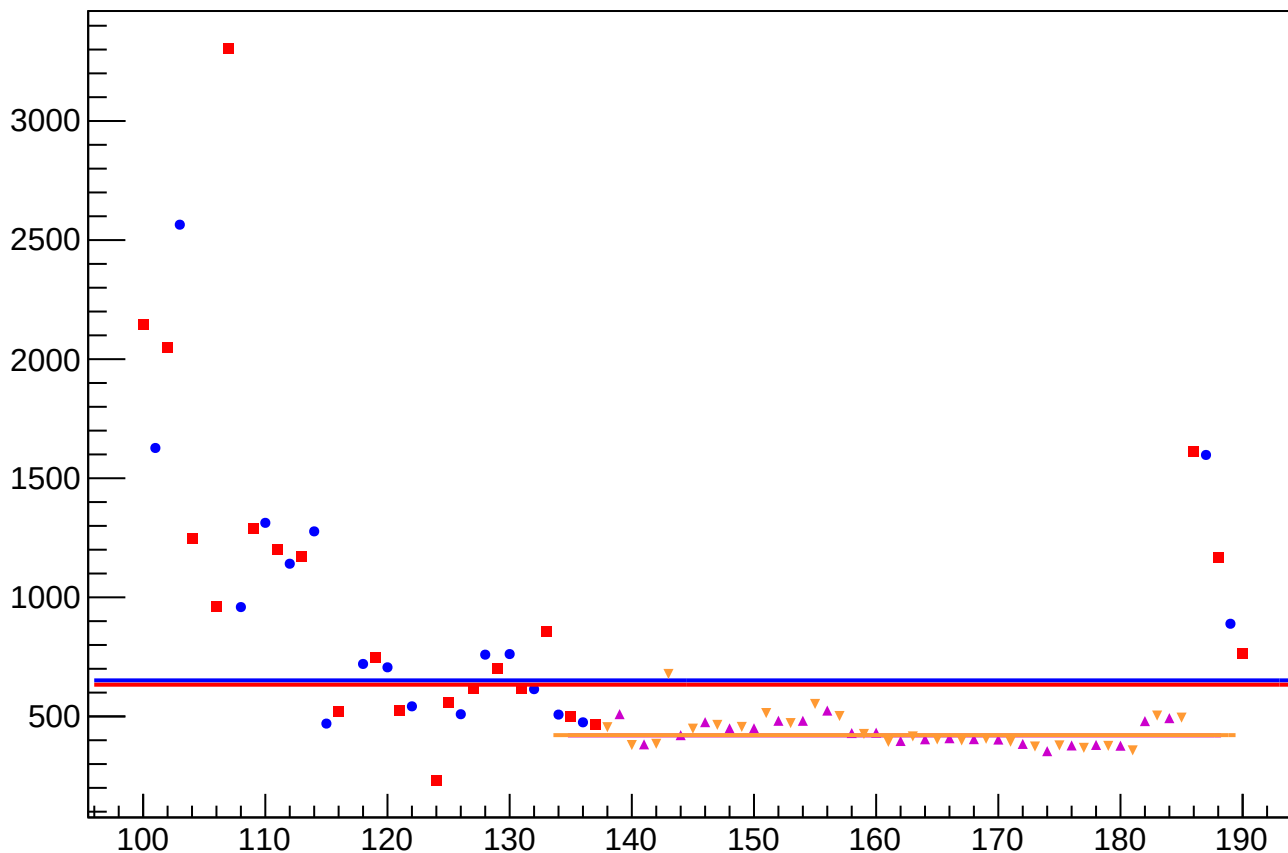
Left In: 11.539 $\pm$ 98.975 χ^2 /NDF: 31.1/22

+ sign 378.208 $\pm$ 90.569 χ^2 /NDF: 84.1/42

All: 218.508 $\pm$ 64.414 χ^2 /NDF: 140.6/87

- sign 55.046 $\pm$ 91.630 χ^2 /NDF: 50.2/44

asym_at1_dd_cor_correction_rms vs Slug



Right In: 651.331+/-0.179 χ^2/NDF : 2275056.5/17

Left Out: 421.420+/-0.069 χ^2/NDF : 742987.6/24

Right Out: 633.216+/-0.171 χ^2/NDF : 3655979.6/21

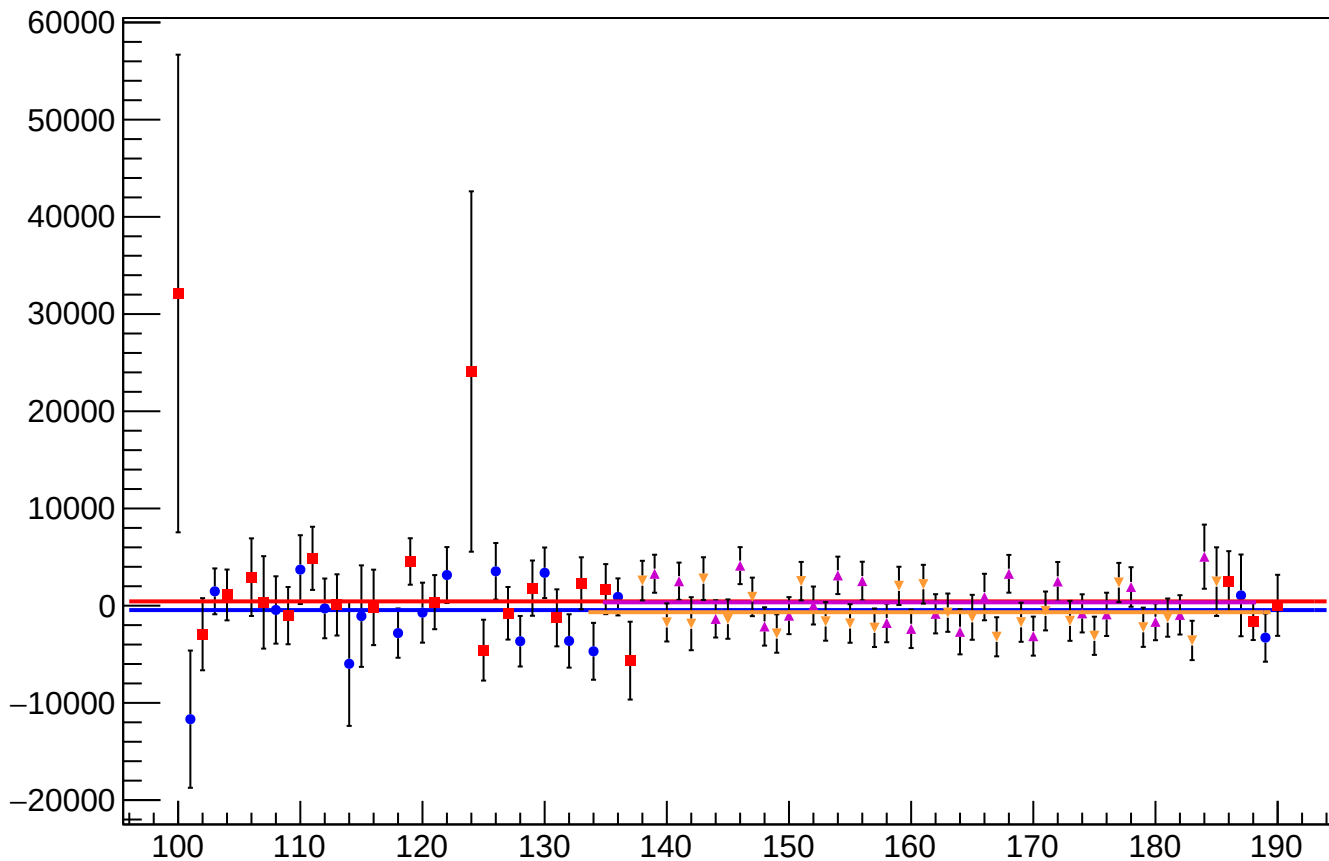
Left In: 420.218+/-0.070 χ^2/NDF : 413172.4/22

+ sign 450.952+/-0.064 χ^2/NDF : 4460891.3/42

All: 450.808+/-0.046 χ^2/NDF : 9853898.9/87

- sign 450.661+/-0.065 χ^2/NDF : 5392997.3/44

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -453.750 ± 695.037 χ^2/NDF : 18.8/17

Left Out: -670.031 ± 412.206 χ^2/NDF : 24.7/24

Right Out: 441.649 ± 657.572 χ^2/NDF : 17.6/21

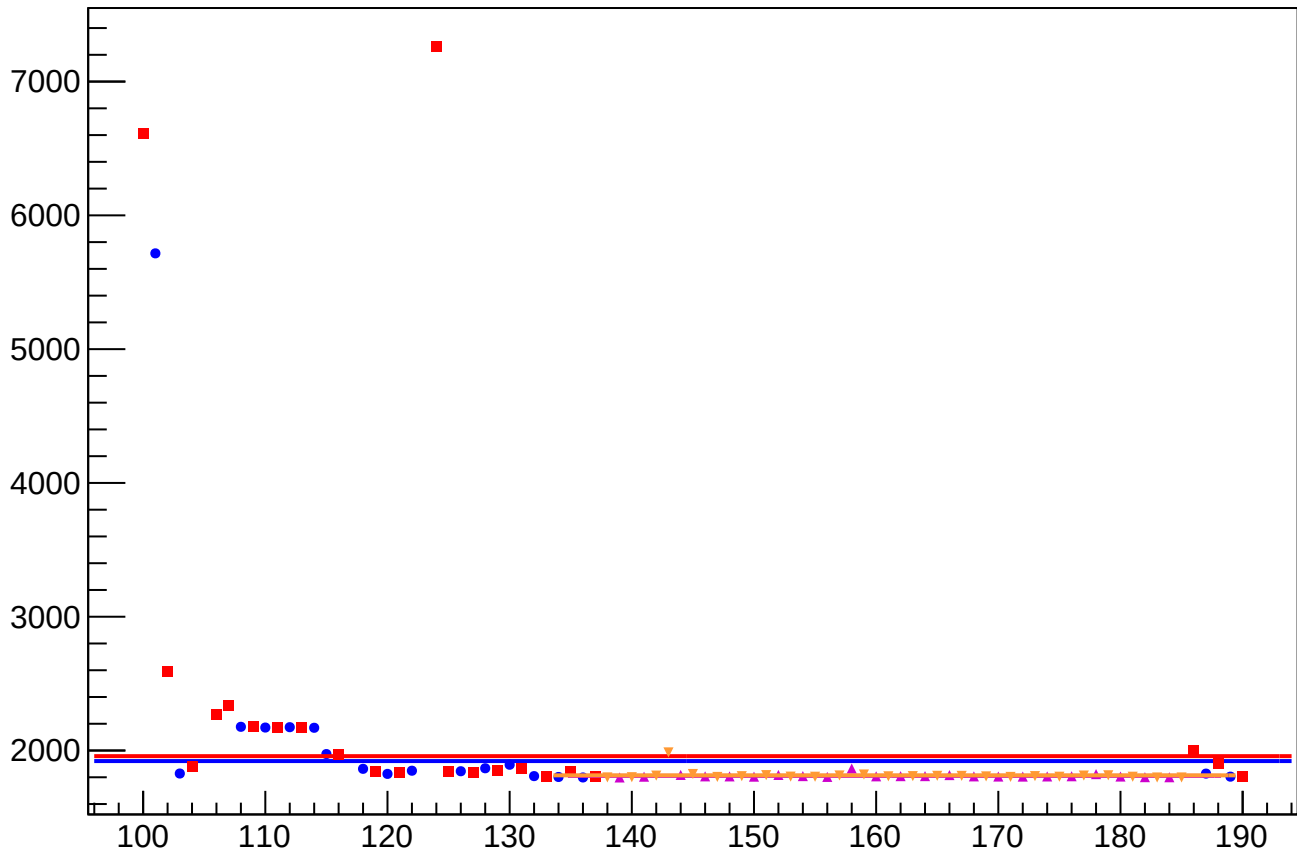
Left In: 342.989 ± 422.712 χ^2/NDF : 30.1/22

+ sign -613.753 ± 354.543 χ^2/NDF : 43.6/42

All: -122.396 ± 251.065 χ^2/NDF : 95.1/87

- sign 371.838 ± 355.579 χ^2/NDF : 47.7/44

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1921.095+/-0.491 χ^2/NDF : 645971.5/17

Left Out: 1814.435+/-0.291 χ^2/NDF :13102.1/24

Right Out: 1957.814+/-0.465 χ^2/NDF : 390375.7/21

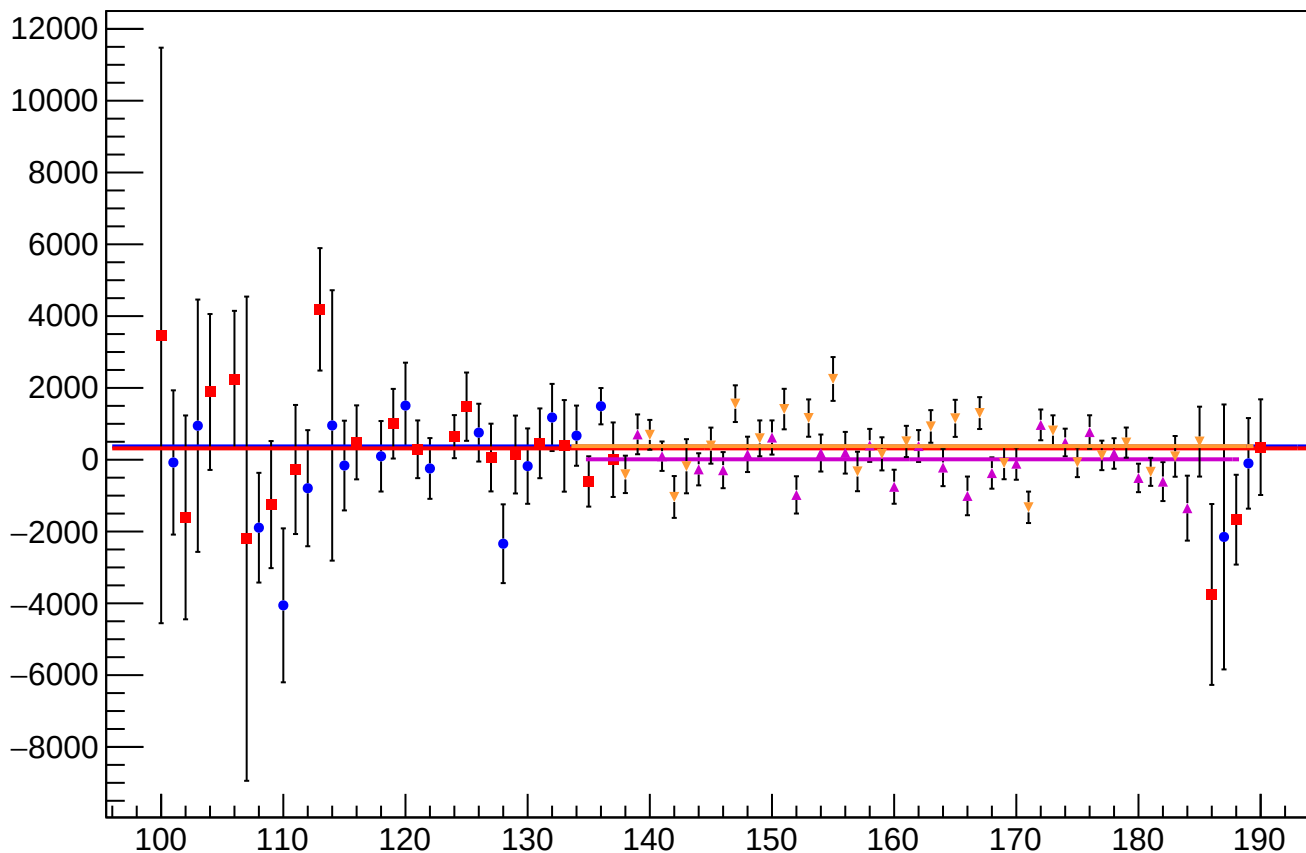
Left In: 1810.457+/-0.299 χ^2/NDF :1967.2/22

+ sign 1842.189+/-0.251 χ^2/NDF : 693917.8/42

All: 1847.850+/-0.178 χ^2/NDF : 1158350.6/87

- sign 1853.545+/-0.251 χ^2/NDF : 463409.7/44

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 370.505 $\pm$ 252.704 χ^2 /NDF: 21.8/17

Left Out: 379.343 $\pm$ 97.014 χ^2 /NDF: 62.3/24

Right Out: 315.935 $\pm$ 242.370 χ^2 /NDF: 17.7/21

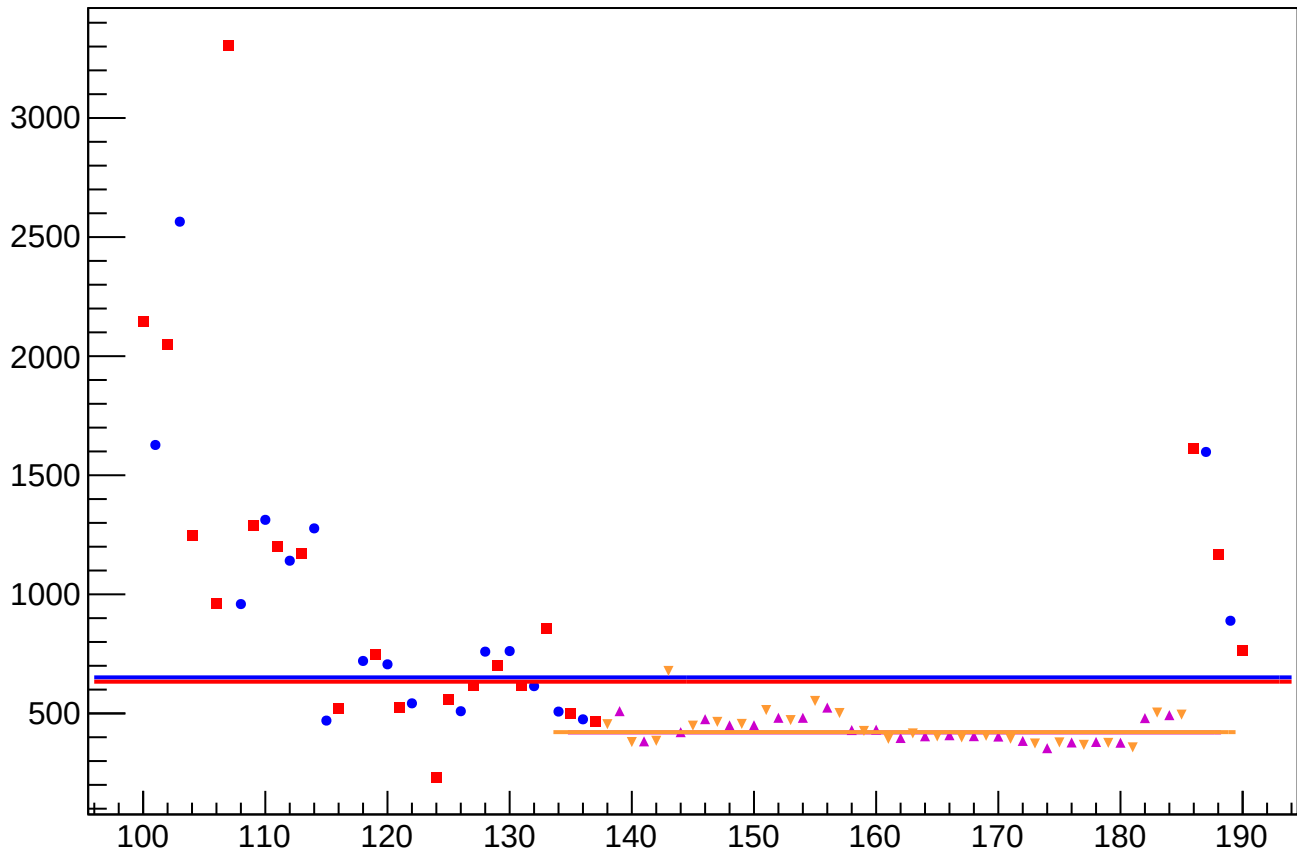
Left In: 11.539 $\pm$ 98.975 χ^2 /NDF: 31.1/22

+ sign 378.208 $\pm$ 90.569 χ^2 /NDF: 84.1/42

All: 218.508 $\pm$ 64.414 χ^2 /NDF: 140.6/87

- sign 55.046 $\pm$ 91.630 χ^2 /NDF: 50.2/44

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 651.331+/-0.179 χ^2/NDF : 2275056.5/17

Left Out: 421.420+/-0.069 χ^2/NDF : 742987.6/24

Right Out: 633.216+/-0.171 χ^2/NDF : 3655979.6/21

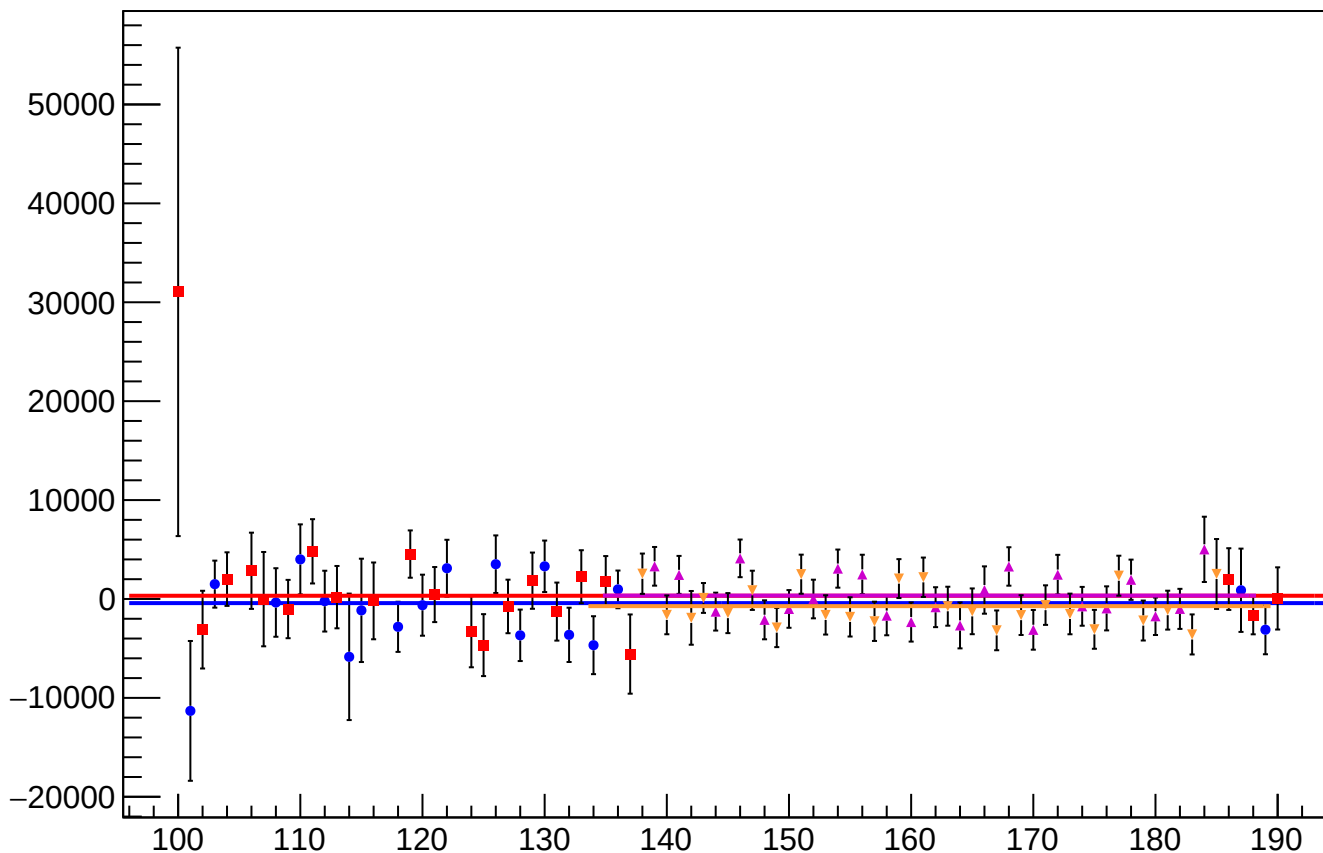
Left In: 420.218+/-0.070 χ^2/NDF : 413172.4/22

+ sign 450.952+/-0.064 χ^2/NDF : 4460891.3/42

All: 450.808+/-0.046 χ^2/NDF : 9853898.9/87

- sign 450.661+/-0.065 χ^2/NDF : 5392997.3/44

dit_asym_at1_dd_mean vs Slug



Right In: -417.415 $\pm$ 695.814 χ^2 /NDF: 18.5/17

Left Out: -724.527 $\pm$ 404.417 χ^2 /NDF: 22.2/24

Right Out: 325.585 $\pm$ 649.471 χ^2 /NDF: 17.0/21

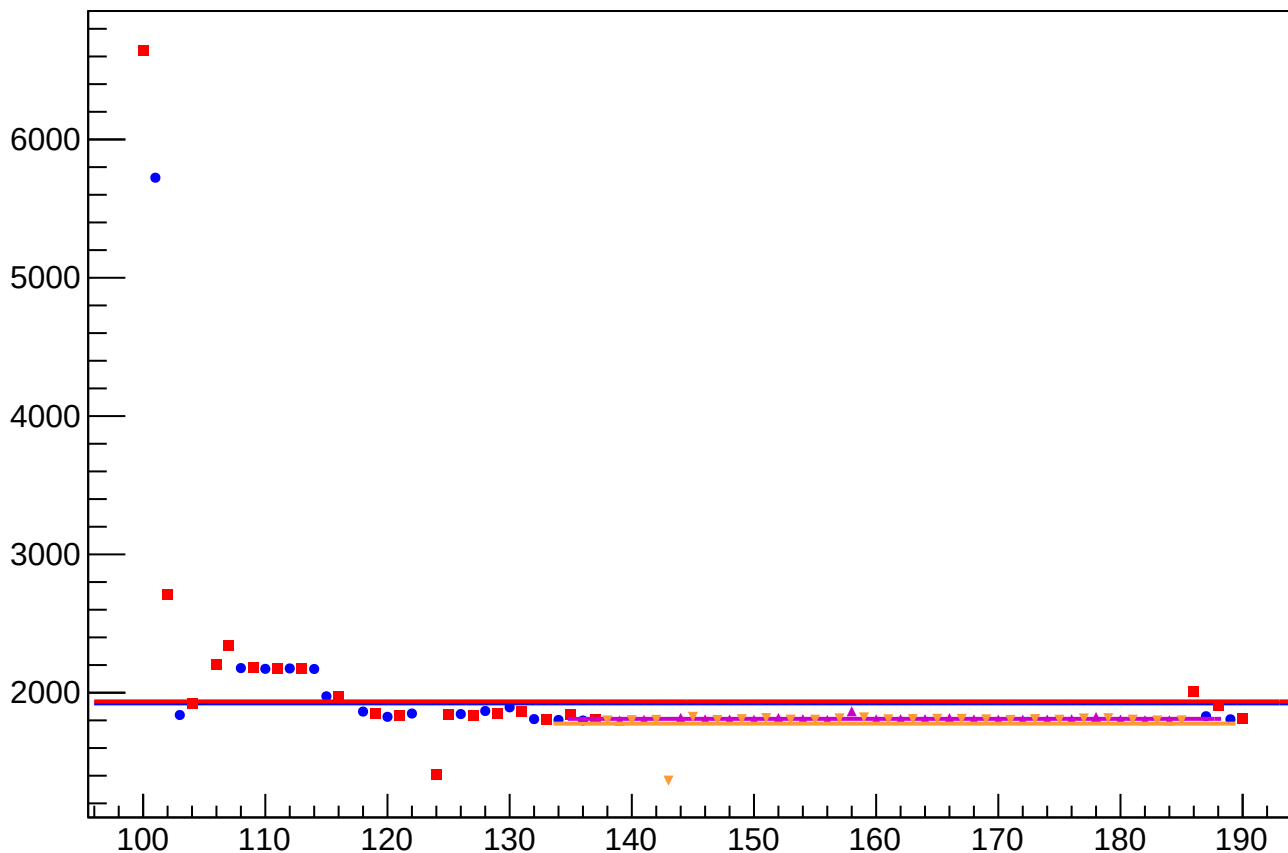
Left In: 341.223 $\pm$ 422.858 χ^2 /NDF: 29.6/22

+ sign -646.979 $\pm$ 349.649 χ^2 /NDF: 40.8/42

All: -161.797 $\pm$ 248.891 χ^2 /NDF: 91.3/87

- sign 336.568 $\pm$ 354.367 χ^2 /NDF: 46.6/44

dit_asym_at1_dd_rms vs Slug



Right In: 1922.994 $\pm$ 0.492 χ^2 /NDF: 645723.5/17

Left Out: 1776.721 $\pm$ 0.286 χ^2 /NDF: 161294.8/24

Right Out: 1937.118 $\pm$ 0.459 χ^2 /NDF: 281248.4/21

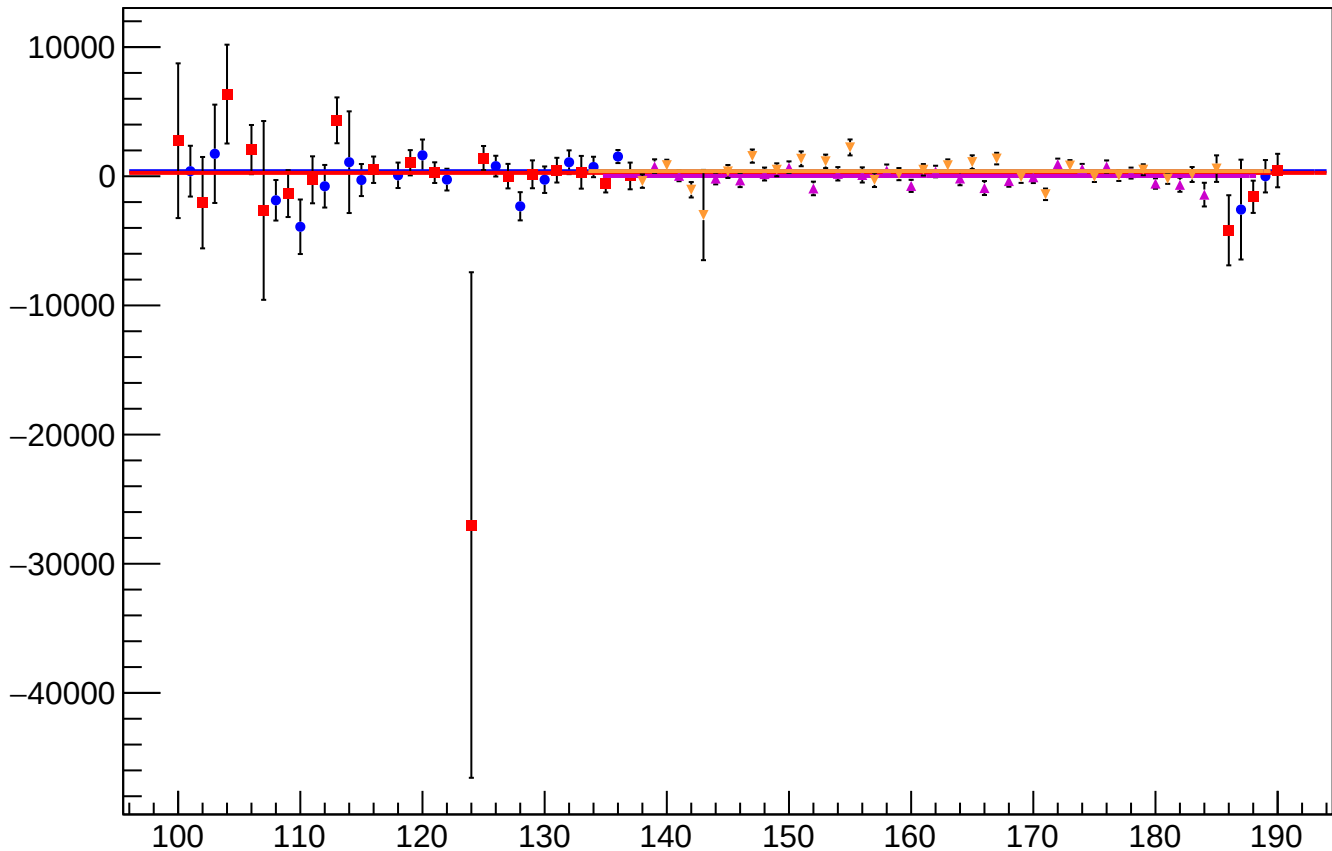
Left In: 1811.084 $\pm$ 0.299 χ^2 /NDF: 1965.1/22

+ sign 1813.656 $\pm$ 0.247 χ^2 /NDF: 873083.9/42

All: 1830.896 $\pm$ 0.176 χ^2 /NDF: 1219048.5/87

- sign 1848.605 $\pm$ 0.251 χ^2 /NDF: 336107.9/44

asym_at1_dd_dit_correction_mean vs Slug



Right In: 391.674 ± 250.999 χ^2/NDF : 22.2/17

Left Out: 398.269 ± 99.165 χ^2/NDF : 60.5/24

Right Out: 261.869 ± 265.673 χ^2/NDF : 21.0/21

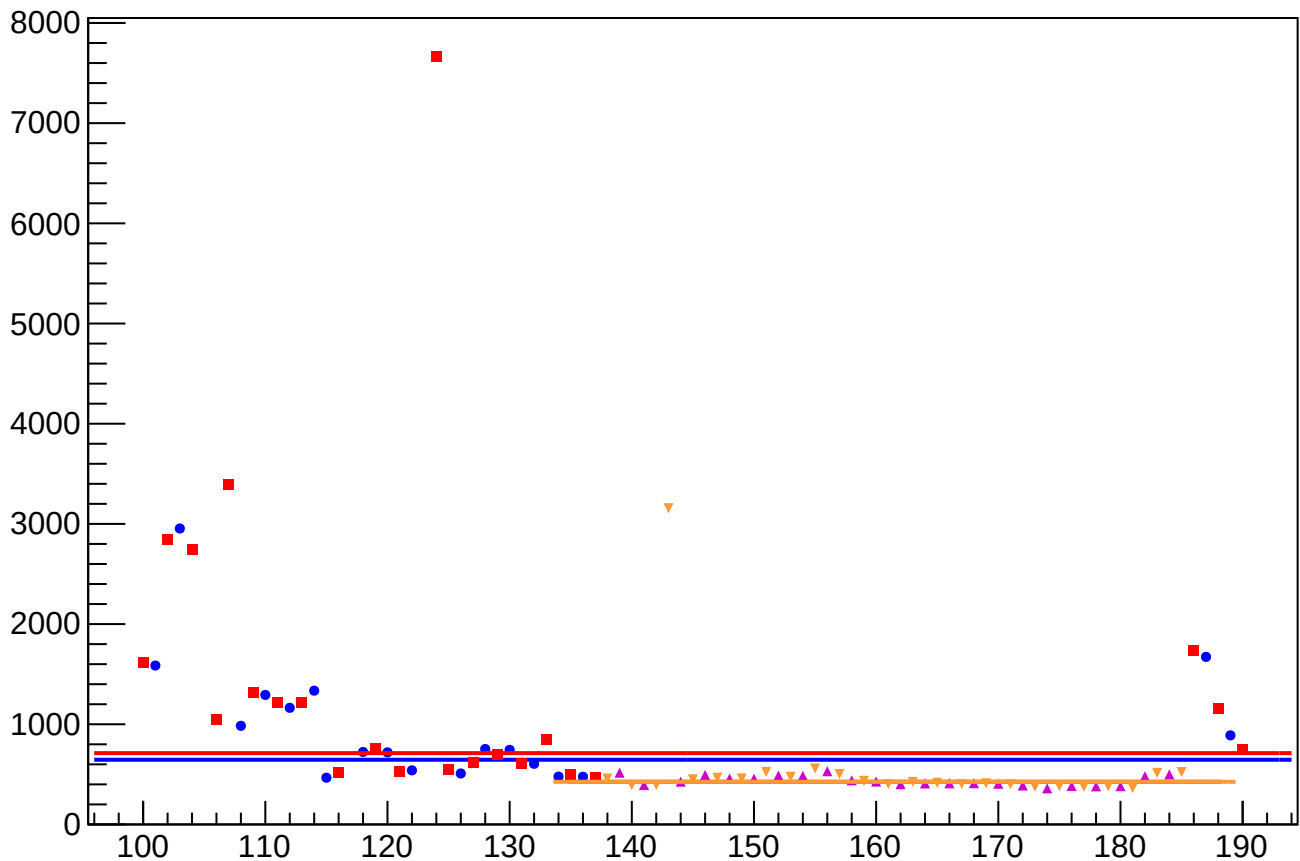
Left In: 21.453 ± 100.264 χ^2/NDF : 30.8/22

+ sign 397.378 ± 92.228 χ^2/NDF : 82.7/42

All: 227.337 ± 65.766 χ^2/NDF : 142.1/87

- sign 51.426 ± 93.806 χ^2/NDF : 52.5/44

asym_at1_dd_dit_correction_rms vs Slug



Right In: 645.880 $\pm$ 0.177 χ^2 /NDF: 2457666.9/17

Left Out: 425.697 $\pm$ 0.070 χ^2 /NDF:1718145.2/24

Right Out: 711.998 $\pm$ 0.188 χ^2 /NDF: 3648279.0/21

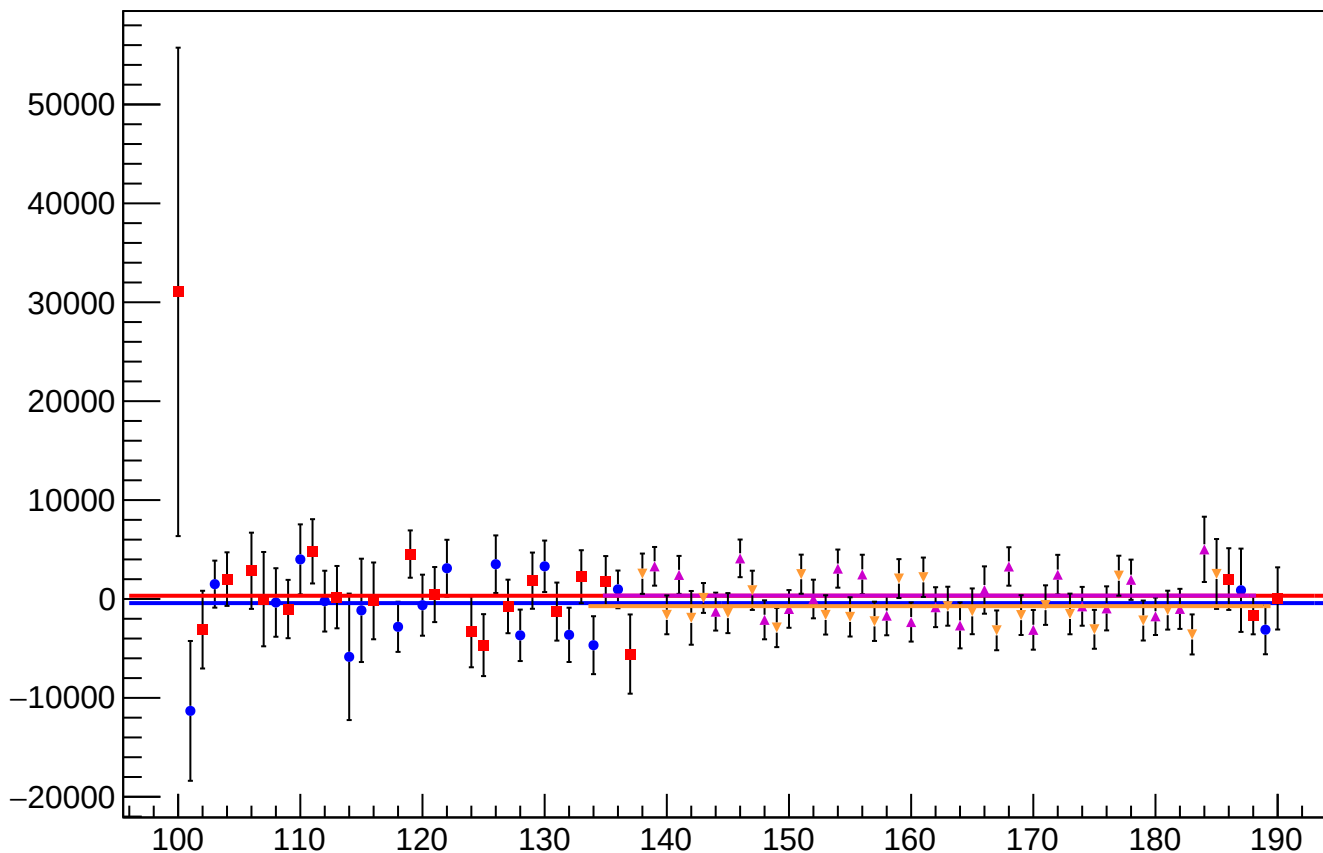
Left In: 426.144 $\pm$ 0.071 χ^2 /NDF:415411.7/22

+ sign 455.425 $\pm$ 0.065 χ^2 /NDF: 5507078.8/42

All: 458.549 $\pm$ 0.047 χ^2 /NDF: 11602164.0/87

- sign 461.782 $\pm$ 0.066 χ^2 /NDF: 6090414.0/44

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -417.416+/-695.814 χ^2/NDF : 18.5/17

Left Out: -724.528+/-404.417 χ^2/NDF : 22.2/24

Right Out: 325.585+/-649.471 χ^2/NDF : 17.0/21

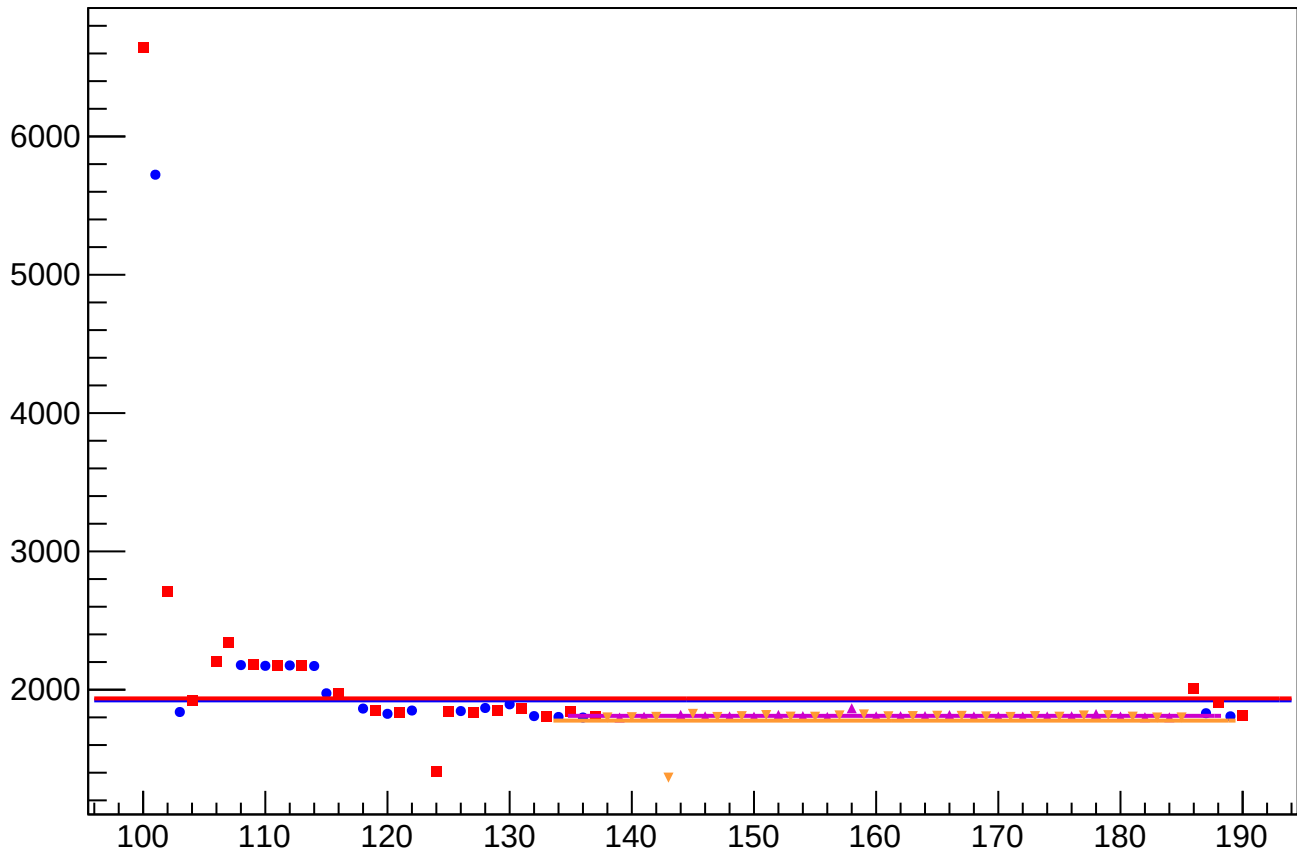
Left In: 341.223+/-422.858 χ^2/NDF : 29.6/22

+ sign -646.979+/-349.649 χ^2/NDF : 40.8/42

All: -161.797+/-248.891 χ^2/NDF : 91.3/87

- sign 336.567+/-354.367 χ^2/NDF : 46.6/44

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1922.994 ± 0.492 χ^2/NDF : 645723.6/17

Left Out: 1776.721 ± 0.286 χ^2/NDF : 161294.8/24

Right Out: 1937.118 ± 0.459 χ^2/NDF : 281248.3/21

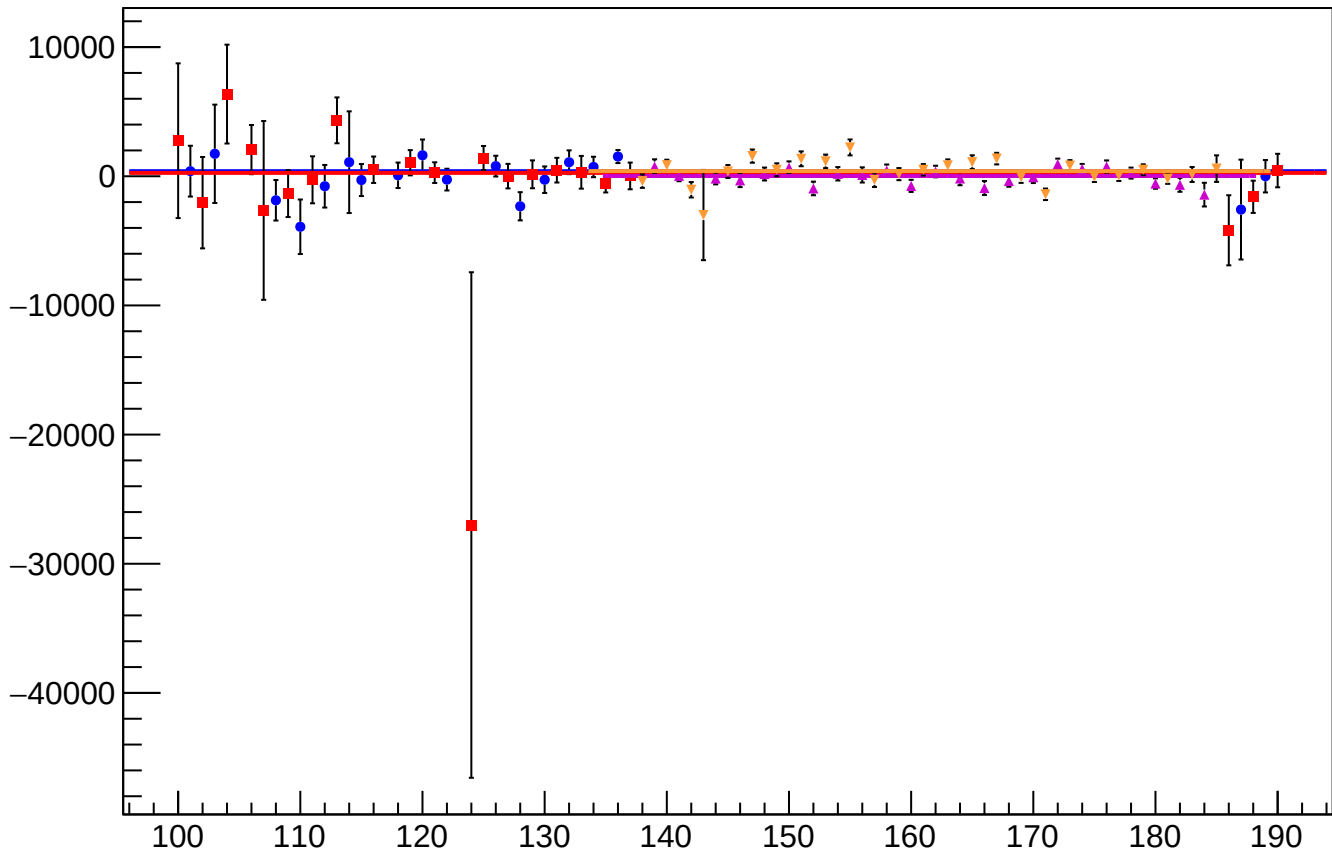
Left In: 1811.084 ± 0.299 χ^2/NDF : 1965.1/22

+ sign 1813.656 ± 0.247 χ^2/NDF : 873083.9/42

All: 1830.896 ± 0.176 χ^2/NDF : 1219048.3/87

- sign 1848.605 ± 0.251 χ^2/NDF : 336107.7/44

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 391.673 ± 250.999 χ^2/NDF : 22.2/17

Left Out: 398.268 ± 99.165 χ^2/NDF : 60.5/24

Right Out: 261.869 ± 265.673 χ^2/NDF : 21.0/21

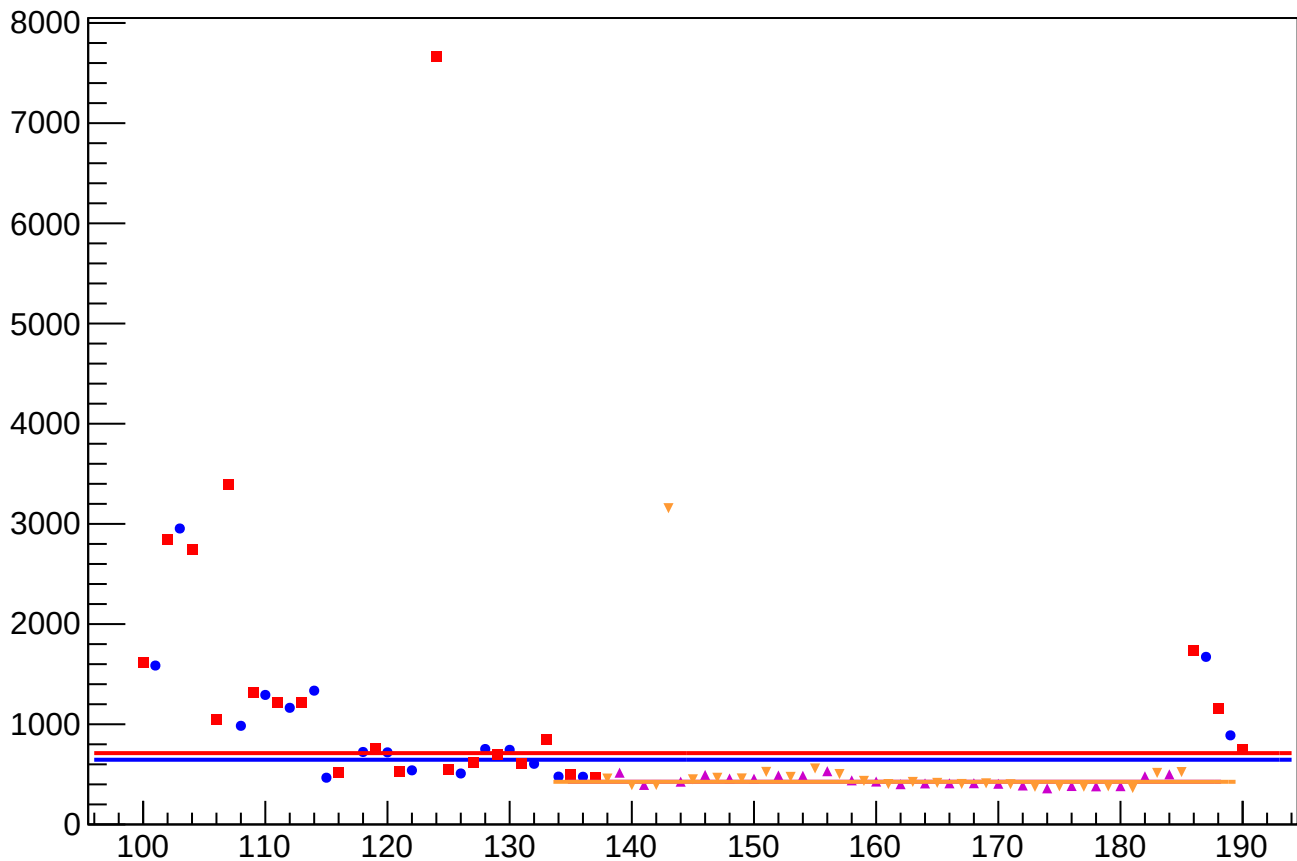
Left In: 21.452 ± 100.264 χ^2/NDF : 30.8/22

+ sign 397.378 ± 92.228 χ^2/NDF : 82.7/42

All: 227.336 ± 65.766 χ^2/NDF : 142.1/87

- sign 51.425 ± 93.806 χ^2/NDF : 52.5/44

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 645.880 ± 0.177 $\chi^2/\text{NDF}: 2457666.2/17$

Left Out: 425.696 ± 0.070 $\chi^2/\text{NDF}: 1718147.9/24$

Right Out: 711.998 ± 0.188 $\chi^2/\text{NDF}: 3648281.1/21$

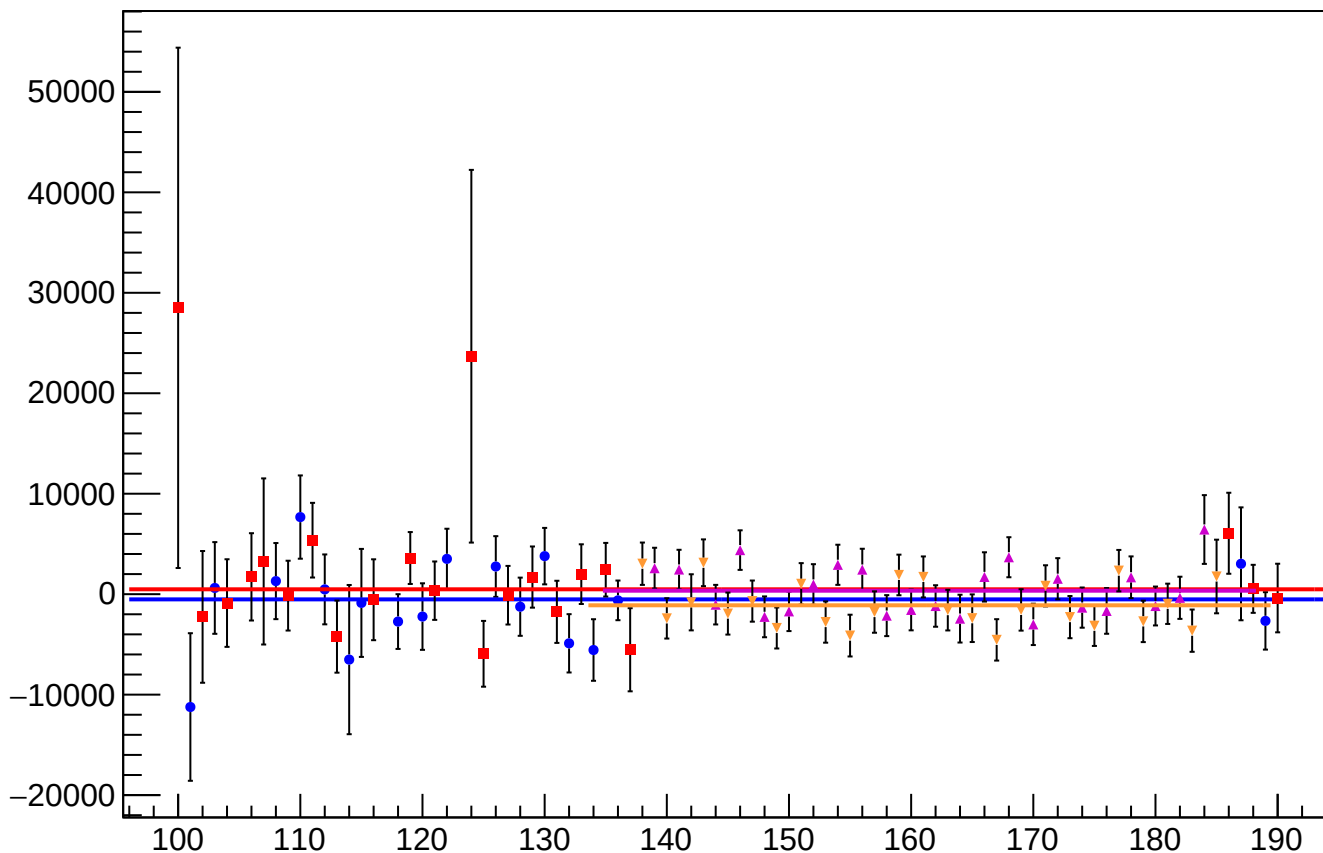
Left In: 426.144 ± 0.071 $\chi^2/\text{NDF}: 415415.2/22$

+ sign 455.424 ± 0.065 $\chi^2/\text{NDF}: 5507082.4/42$

All: 458.549 ± 0.047 $\chi^2/\text{NDF}: 11602173.7/87$

- sign 461.782 ± 0.066 $\chi^2/\text{NDF}: 6090420.1/44$

asym_at1_dd_mean vs Slug



Right In: -517.341+/-776.569 χ^2 /NDF: 19.3/17

Left Out: -1105.791+/-424.648 χ^2 /NDF: 28.0/24

Right Out: 485.902+/-751.993 χ^2 /NDF: 17.7/21

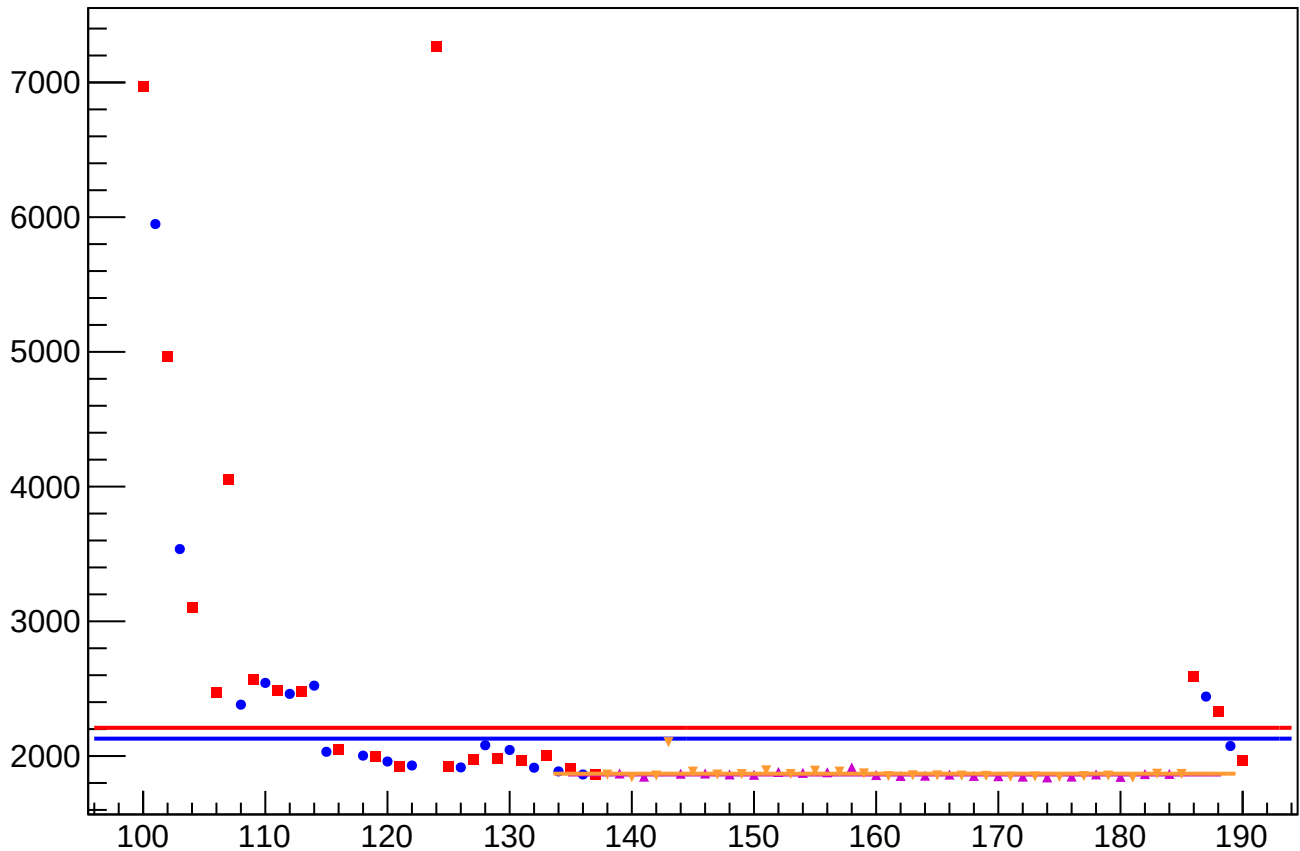
Left In: 346.936+/-434.947 χ^2 /NDF: 28.8/22

+ sign -970.337+/-372.582 χ^2 /NDF: 47.8/42

All: -301.365+/-264.831 χ^2 /NDF: 100.7/87

- sign 381.772+/-376.505 χ^2 /NDF: 46.5/44

asym_at1_dd_rms vs Slug



Right In: 2129.162+/-0.549 χ^2/NDF : 882000.5/17

Left Out: 1868.941+/-0.300 χ^2/NDF : 23314.7/24

Right Out: 2209.610+/-0.532 χ^2/NDF : 976329.4/21

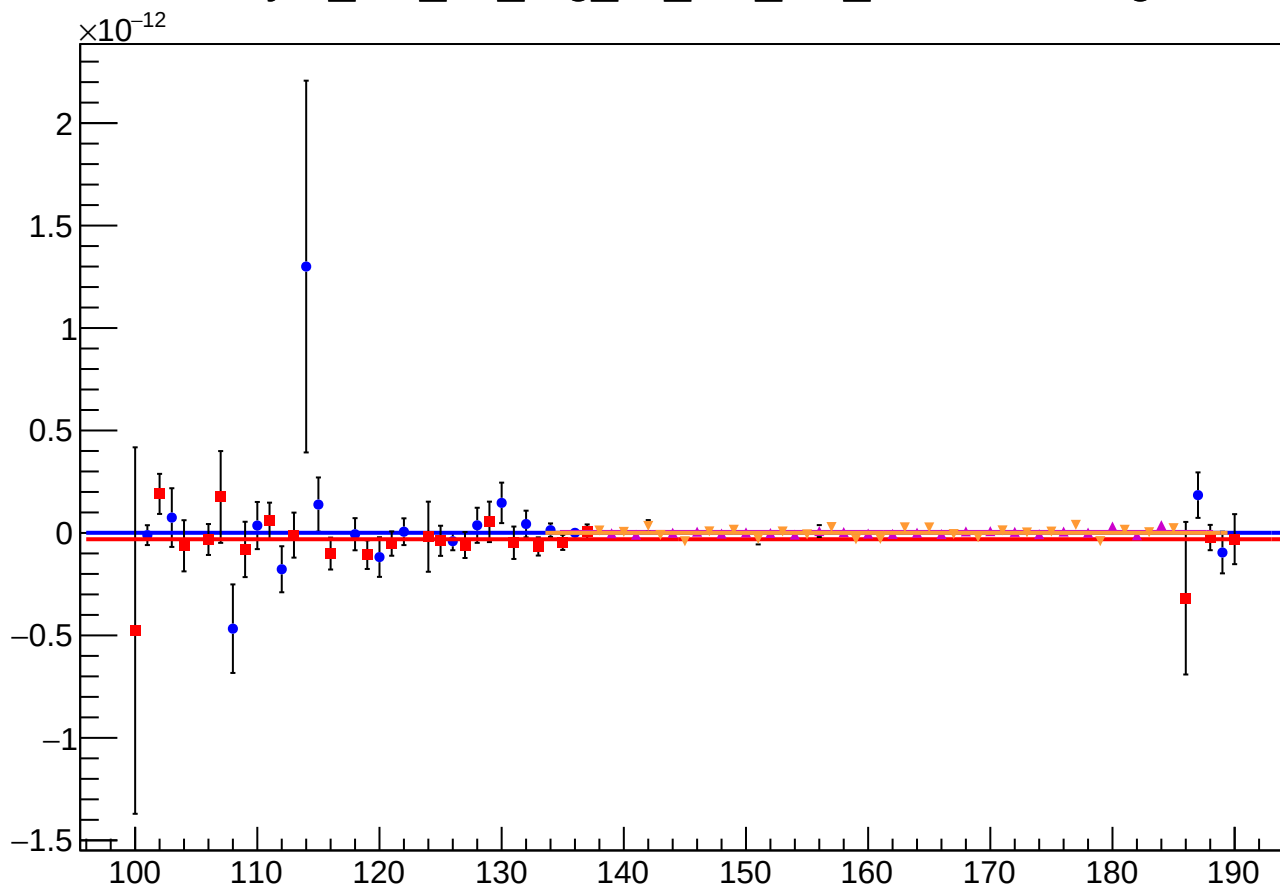
Left In: 1862.828+/-0.308 χ^2/NDF : 2714.5/22

+ sign 1928.841+/-0.263 χ^2/NDF : 1078193.0/42

All: 1939.190+/-0.187 χ^2/NDF : 2379059.3/87

- sign 1949.759+/-0.266 χ^2/NDF : 1297747.2/44

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 19.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 42.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.0/21

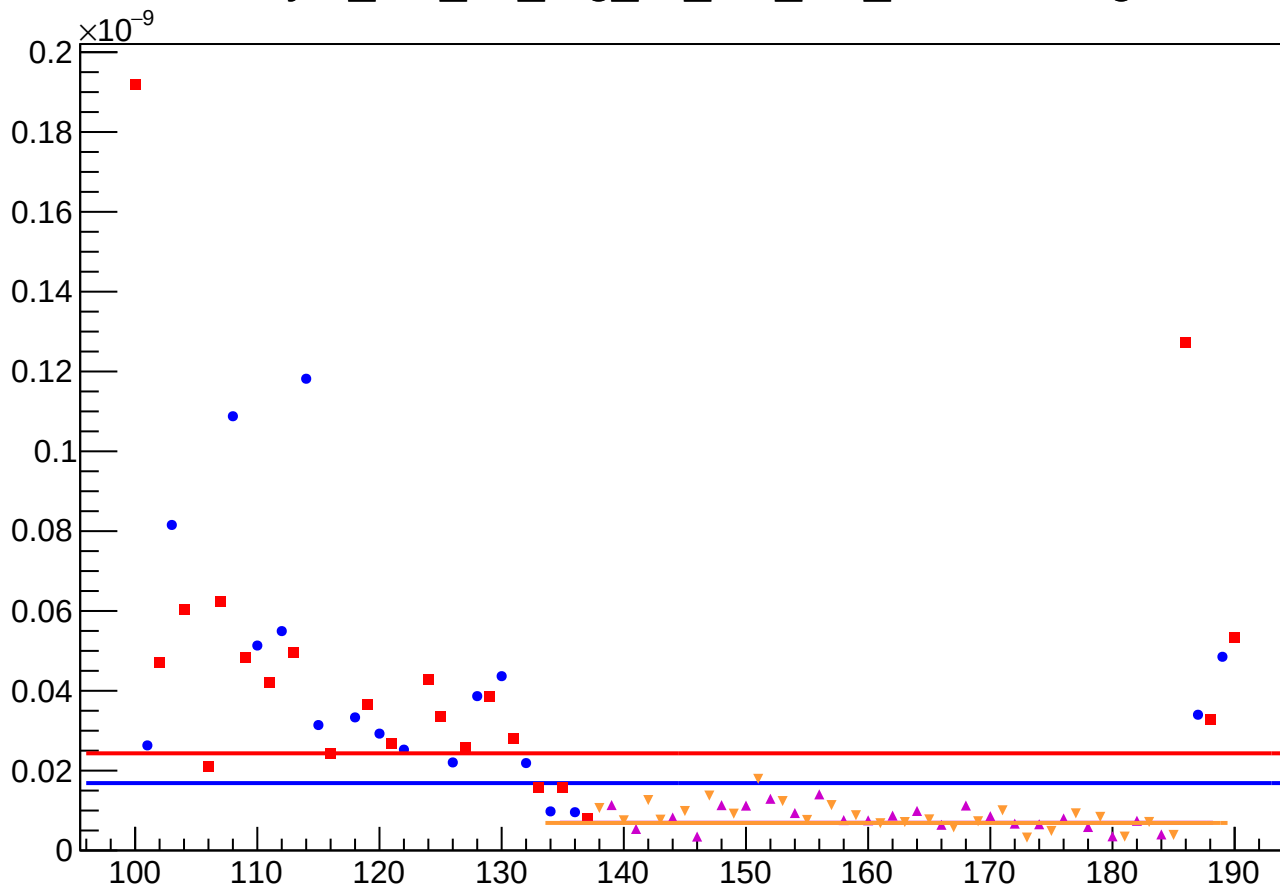
Left In: 0.000 ± 0.000 χ^2/NDF : 17.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 61.8/42

All: 0.000 ± 0.000 χ^2/NDF : 98.0/87

- sign 0.000 ± 0.000 χ^2/NDF : 35.7/44

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2533650.8/17

Left Out: 0.000+/-0.000 χ^2/NDF :1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1726871.3/21

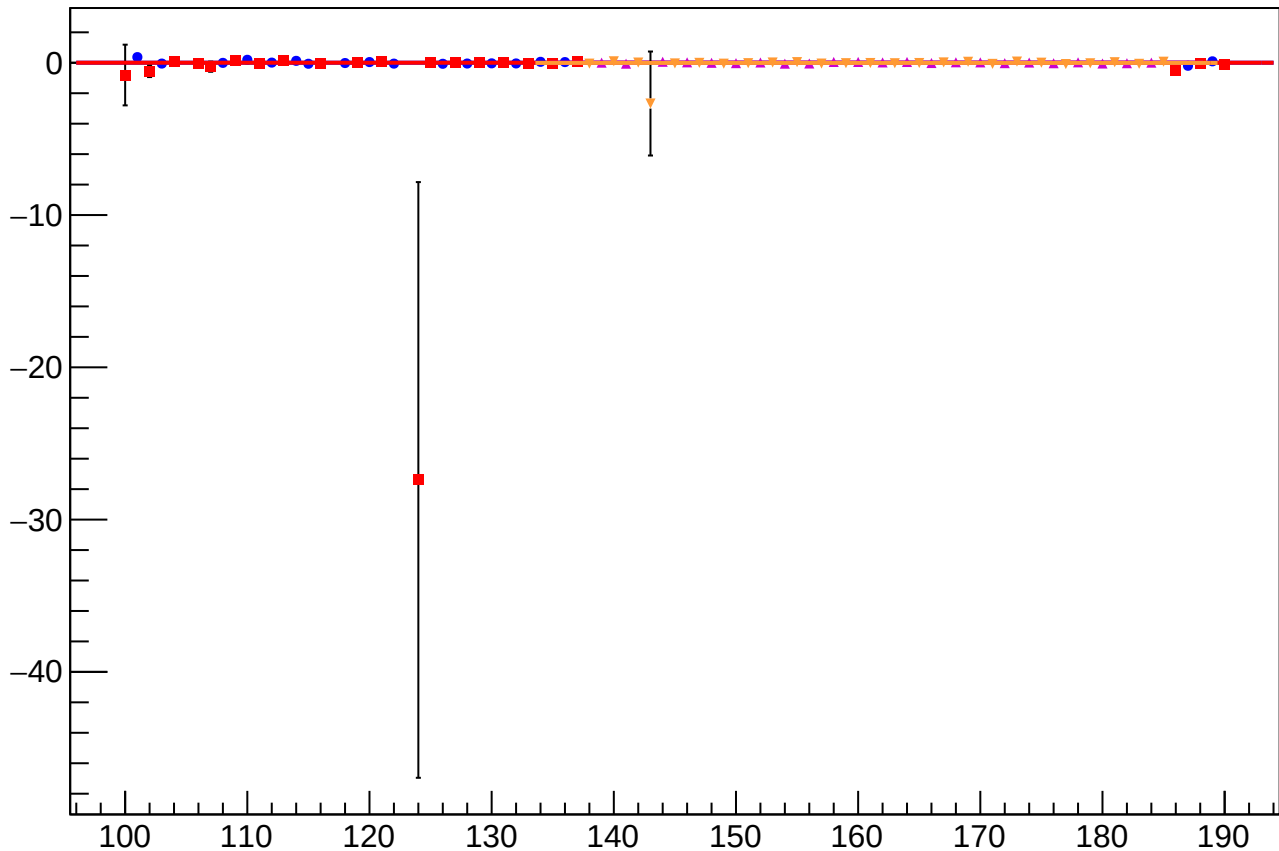
Left In: 0.000+/-0.000 χ^2/NDF :1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 5742649.1/42

All: 0.000+/-0.000 χ^2/NDF : 11498259.1/87

- sign 0.000+/-0.000 χ^2/NDF : 5753656.5/44

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.014 χ^2/NDF : 23.1/17

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.003 ± 0.014 χ^2/NDF : 22.8/21

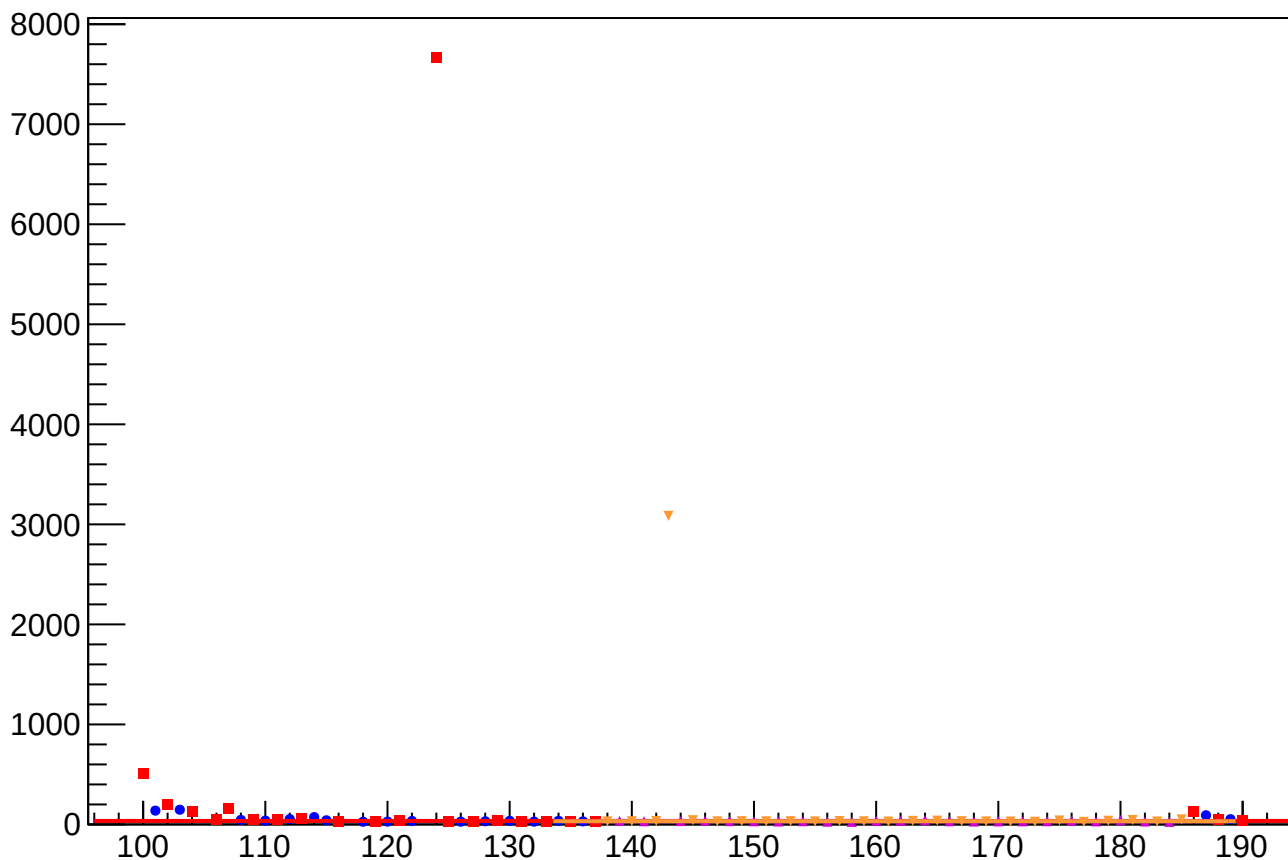
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.007 ± 0.007 χ^2/NDF : 63.3/42

All: -0.002 ± 0.005 χ^2/NDF : 107.9/87

- sign 0.003 ± 0.007 χ^2/NDF : 43.6/44

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.871+/-0.010 χ^2 /NDF: 1952048.5/17

Left Out: 32.277+/-0.006 χ^2 /NDF: 2120929.6/24

Right Out: 34.879+/-0.010 χ^2 /NDF: 2703088.7/21

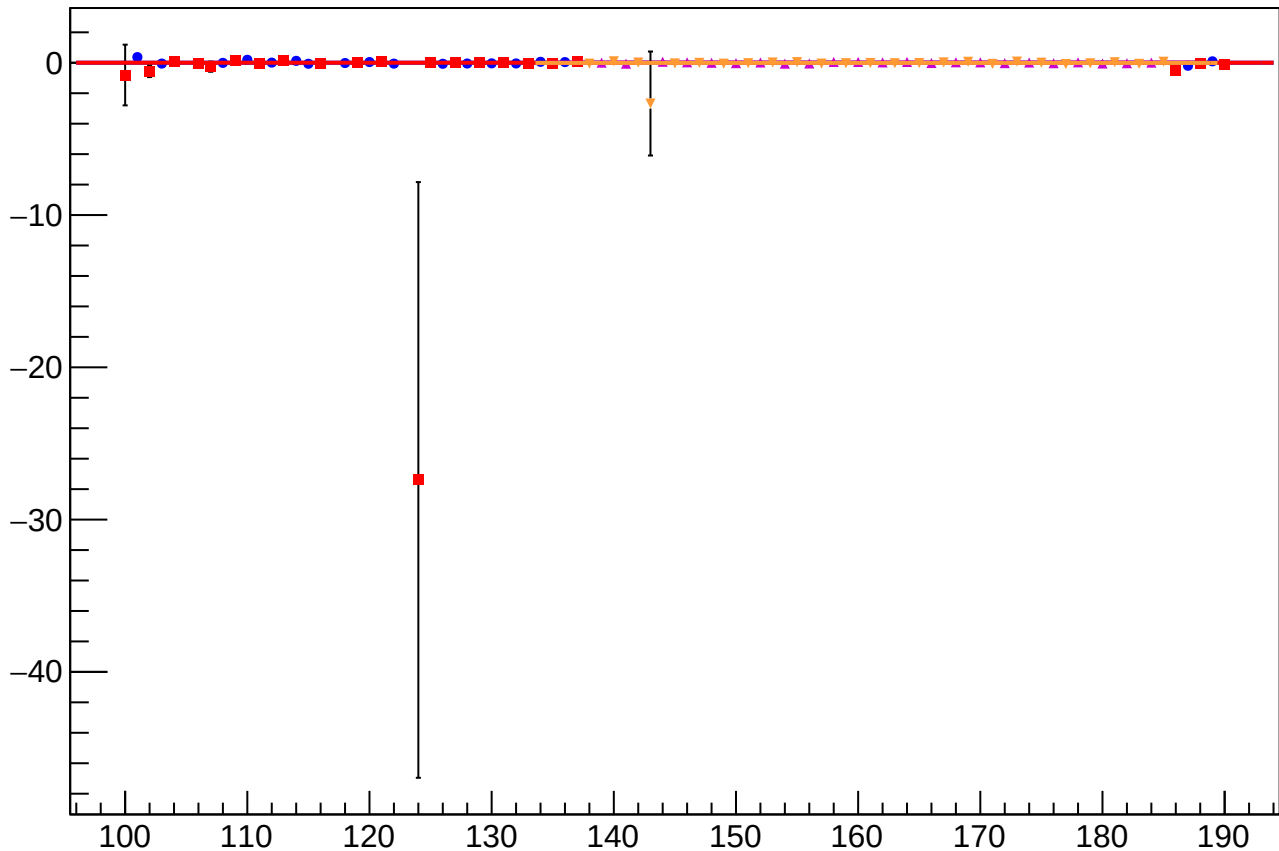
Left In: 32.421+/-0.006 χ^2 /NDF: 426084.8/22

+ sign 32.910+/-0.005 χ^2 /NDF: 4121378.6/42

All: 32.980+/-0.004 χ^2 /NDF: 7295891.4/87

- sign 33.050+/-0.005 χ^2 /NDF: 3174129.8/44

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.014 χ^2/NDF : 23.1/17

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.003 ± 0.014 χ^2/NDF : 22.8/21

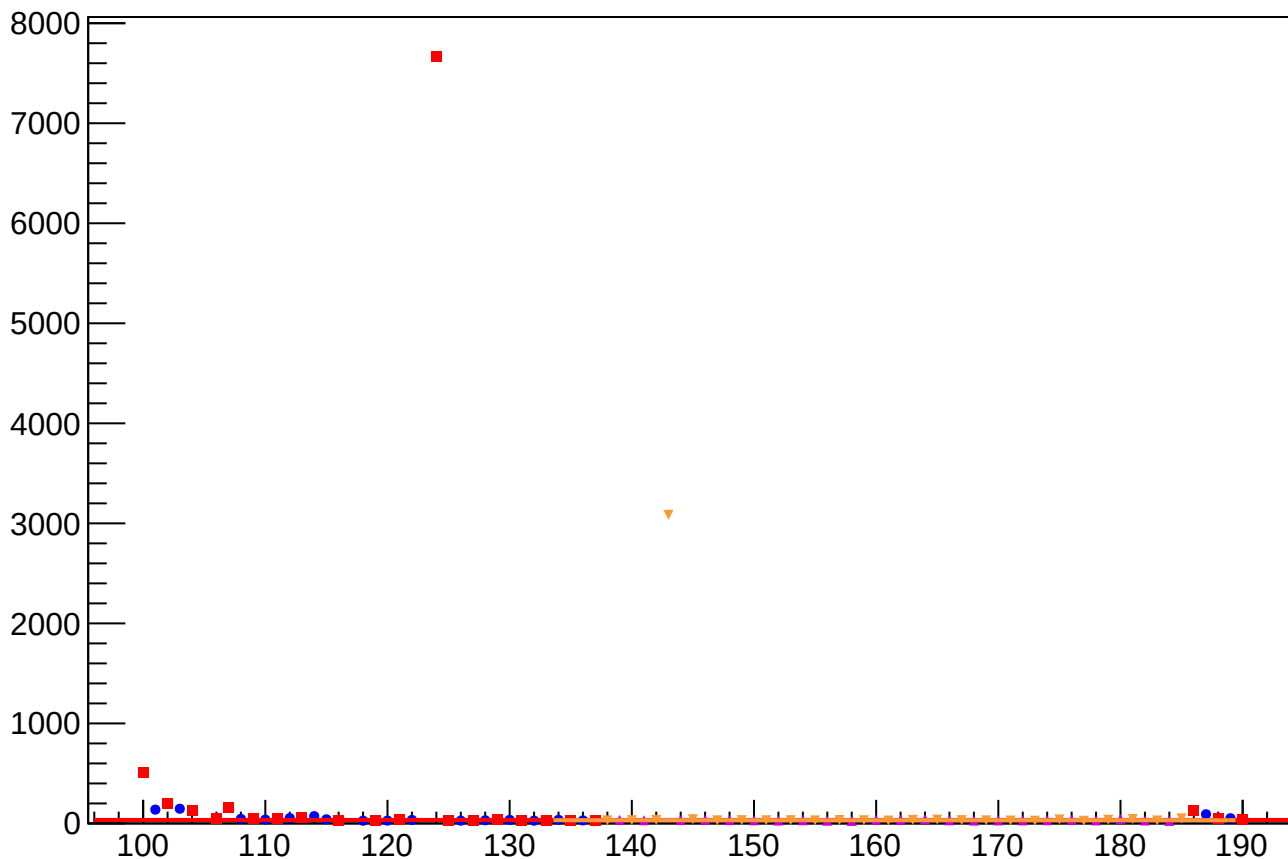
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.007 ± 0.007 χ^2/NDF : 63.3/42

All: -0.002 ± 0.005 χ^2/NDF : 107.9/87

- sign 0.003 ± 0.007 χ^2/NDF : 43.6/44

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.871 $\pm$ 0.010 χ^2 /NDF: 1952048.5/17

Left Out: 32.277 $\pm$ 0.006 χ^2 /NDF: 2120929.6/24

Right Out: 34.879 $\pm$ 0.010 χ^2 /NDF: 2703088.7/21

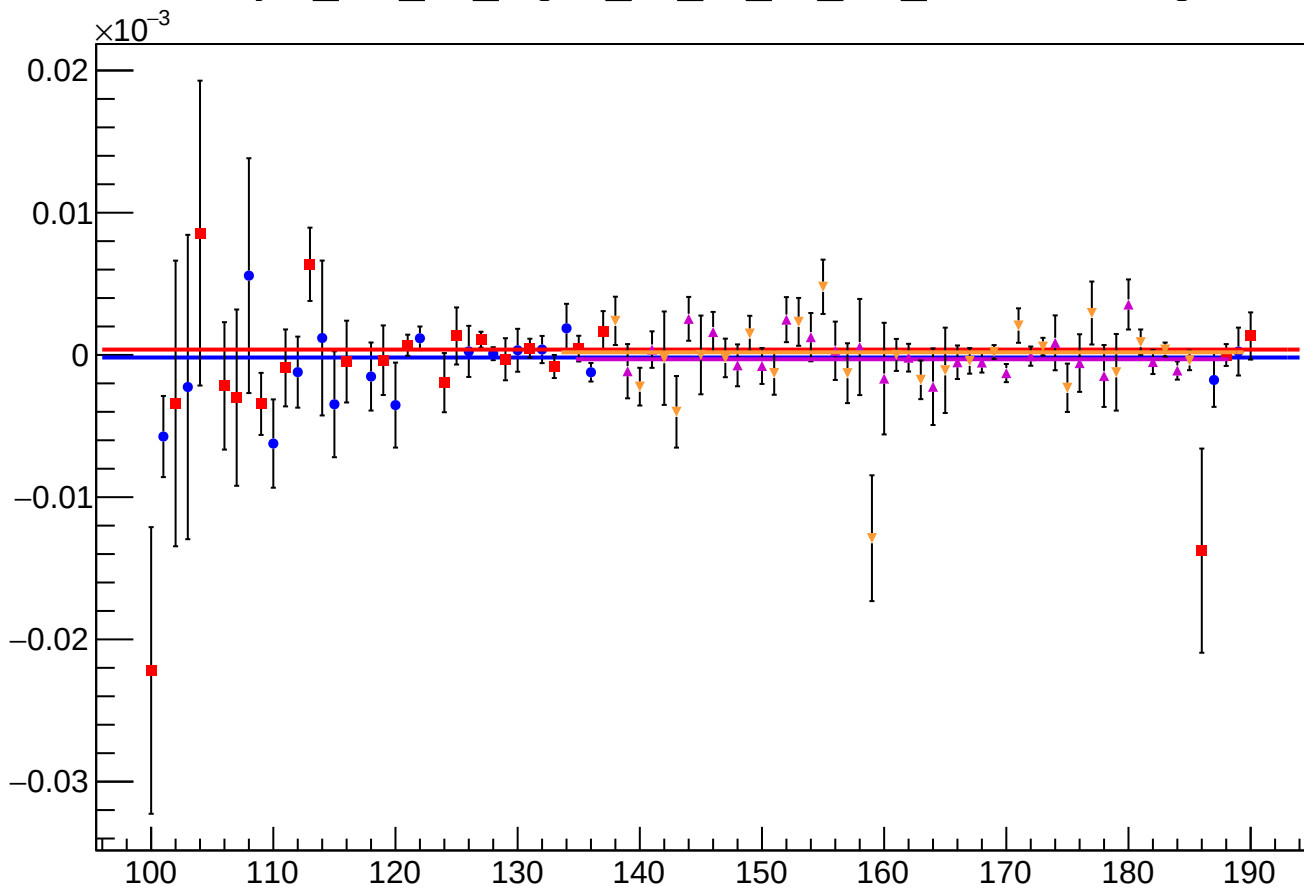
Left In: 32.421 $\pm$ 0.006 χ^2 /NDF: 426084.8/22

+ sign 32.910 $\pm$ 0.005 χ^2 /NDF: 4121378.6/42

All: 32.980 $\pm$ 0.004 χ^2 /NDF: 7295891.4/87

- sign 33.050 $\pm$ 0.005 χ^2 /NDF: 3174129.8/44

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 18.9/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 26.1/21

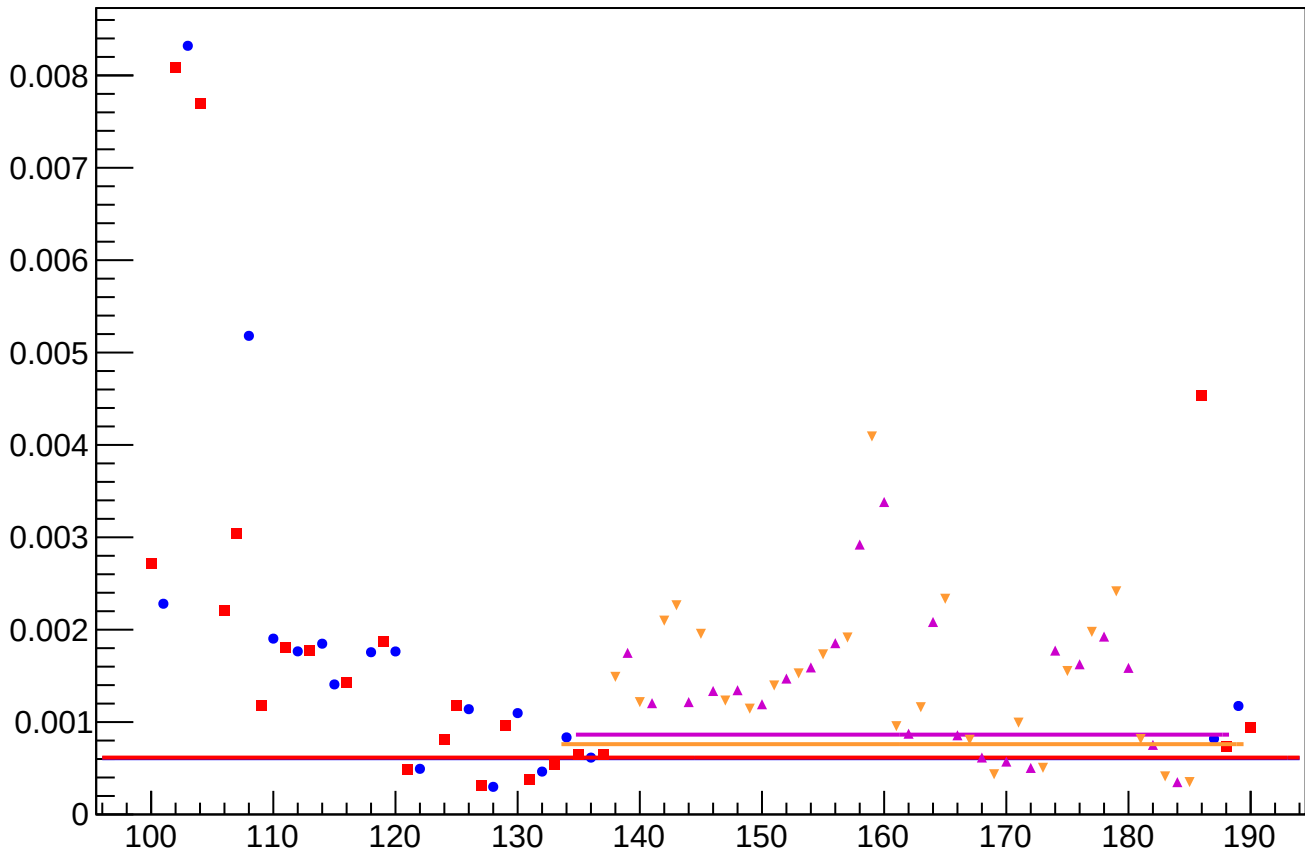
Left In: -0.000 ± 0.000 χ^2/NDF : 20.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 57.5/42

All: 0.000 ± 0.000 χ^2/NDF : 107.5/87

- sign 0.000 ± 0.000 χ^2/NDF : 50.0/44

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 5747783.1/17

Left Out: 0.001+/-0.000 χ^2/NDF : 11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF : 6178323.5/21

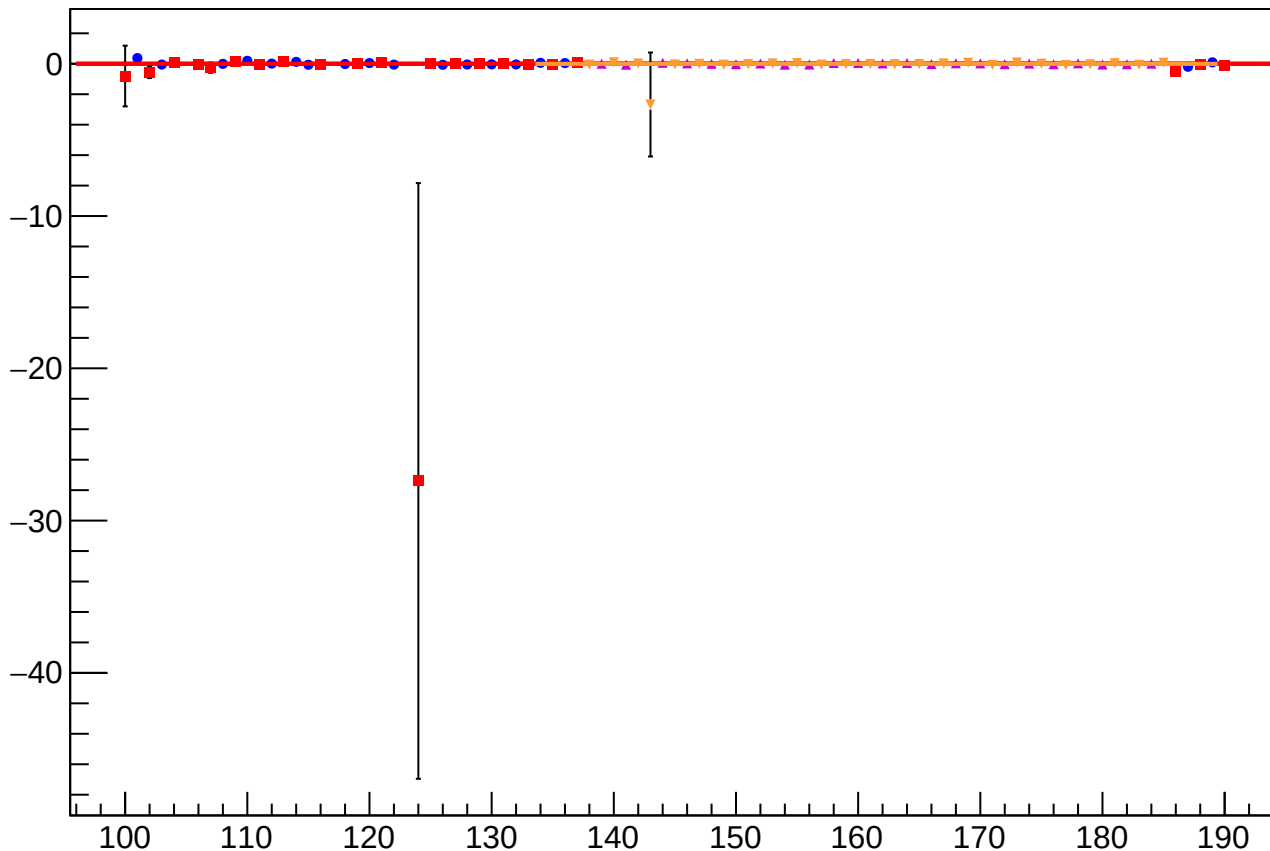
Left In: 0.001+/-0.000 χ^2/NDF : 8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 17197291.2/42

All: 0.001+/-0.000 χ^2/NDF : 32856007.9/87

- sign 0.001+/-0.000 χ^2/NDF : 15592569.9/44

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 ± 0.014 χ^2/NDF : 23.1/17

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.003 ± 0.014 χ^2/NDF : 22.8/21

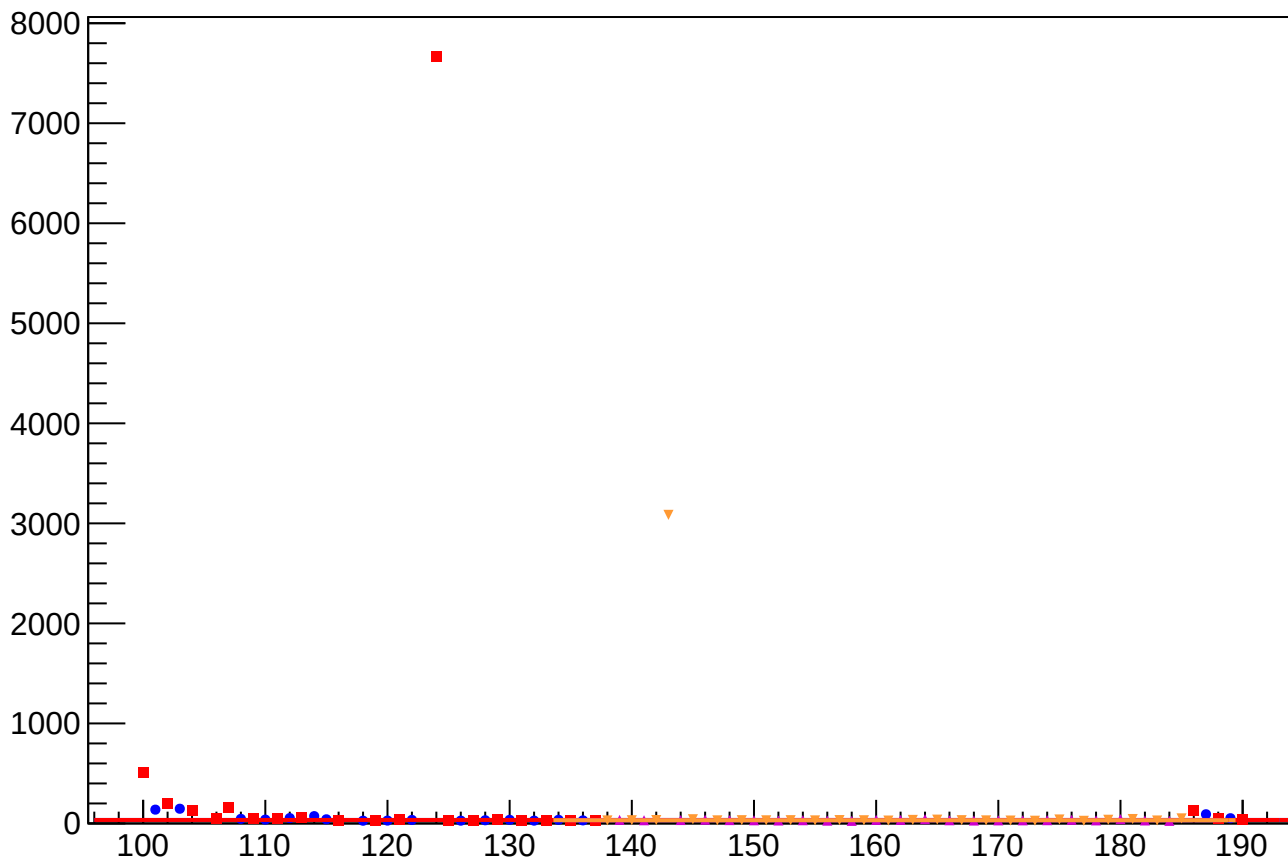
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.007 ± 0.007 χ^2/NDF : 63.3/42

All: -0.002 ± 0.005 χ^2/NDF : 107.9/87

- sign 0.003 ± 0.007 χ^2/NDF : 43.6/44

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.871 $\pm$ 0.010 χ^2/NDF : 1952037.1/17

Left Out: 32.277 $\pm$ 0.006 χ^2/NDF : 2120971.9/24

Right Out: 34.879 $\pm$ 0.010 χ^2/NDF : 2703079.1/21

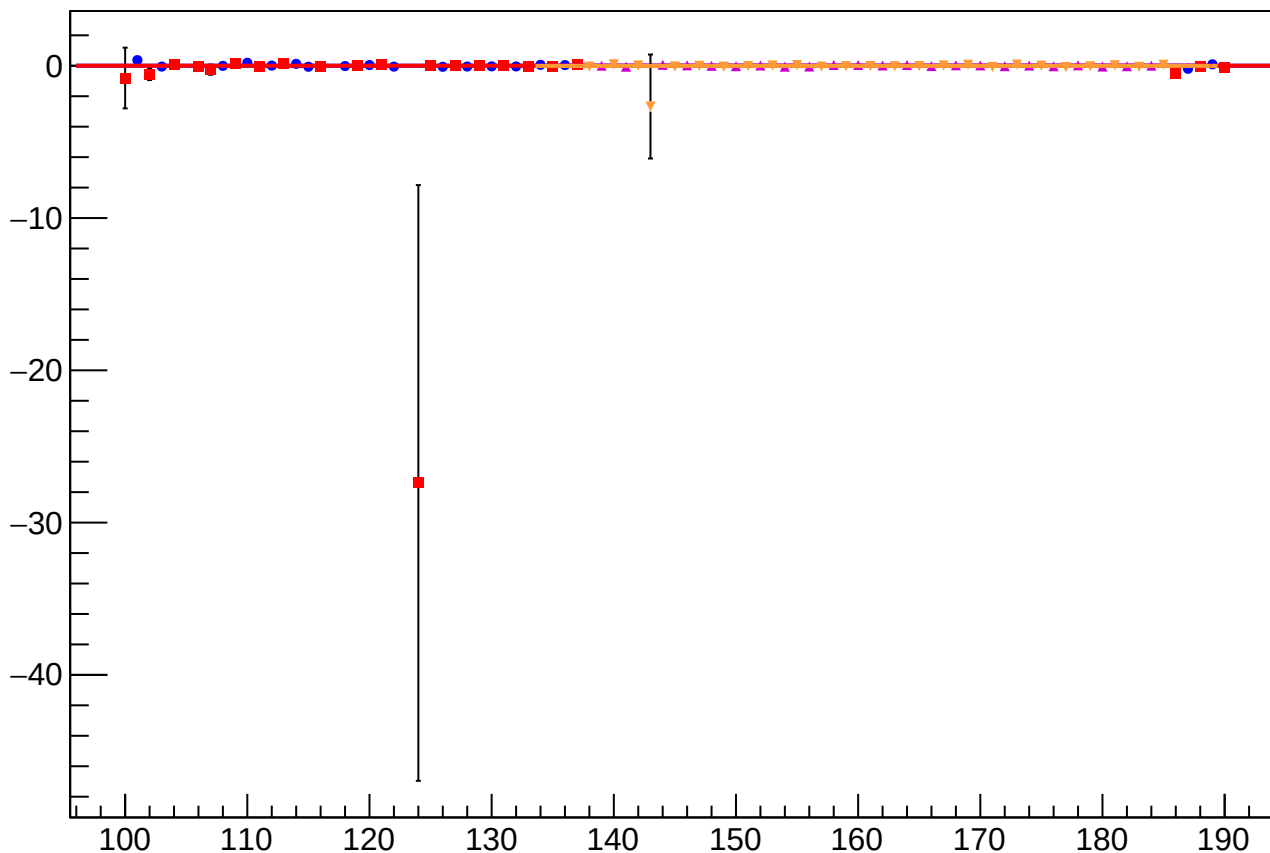
Left In: 32.422 $\pm$ 0.006 χ^2/NDF : 426001.5/22

+ sign 32.910 $\pm$ 0.005 χ^2/NDF : 4121413.5/42

All: 32.980 $\pm$ 0.004 χ^2/NDF : 7295822.1/87

- sign 33.050 $\pm$ 0.005 χ^2/NDF : 3174024.3/44

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 ± 0.014 χ^2/NDF : 23.1/17

Left Out: -0.010 ± 0.008 χ^2/NDF : 39.5/24

Right Out: 0.003 ± 0.014 χ^2/NDF : 22.8/21

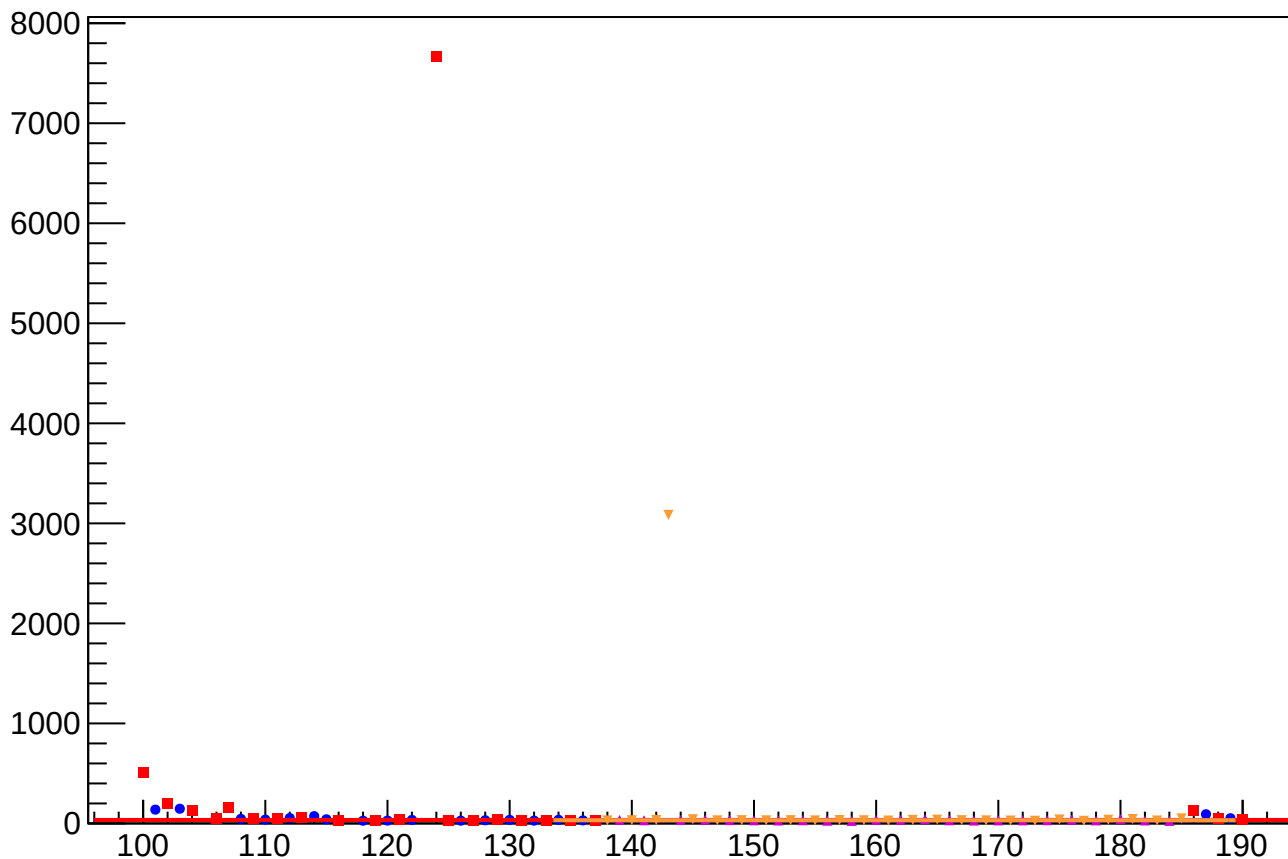
Left In: 0.004 ± 0.008 χ^2/NDF : 20.8/22

+ sign -0.007 ± 0.007 χ^2/NDF : 63.3/42

All: -0.002 ± 0.005 χ^2/NDF : 107.9/87

- sign 0.003 ± 0.007 χ^2/NDF : 43.6/44

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.871+/-0.010 χ^2/NDF : 1952037.1/17

Left Out: 32.277+/-0.006 χ^2/NDF : 2120971.9/24

Right Out: 34.879+/-0.010 χ^2/NDF : 2703079.1/21

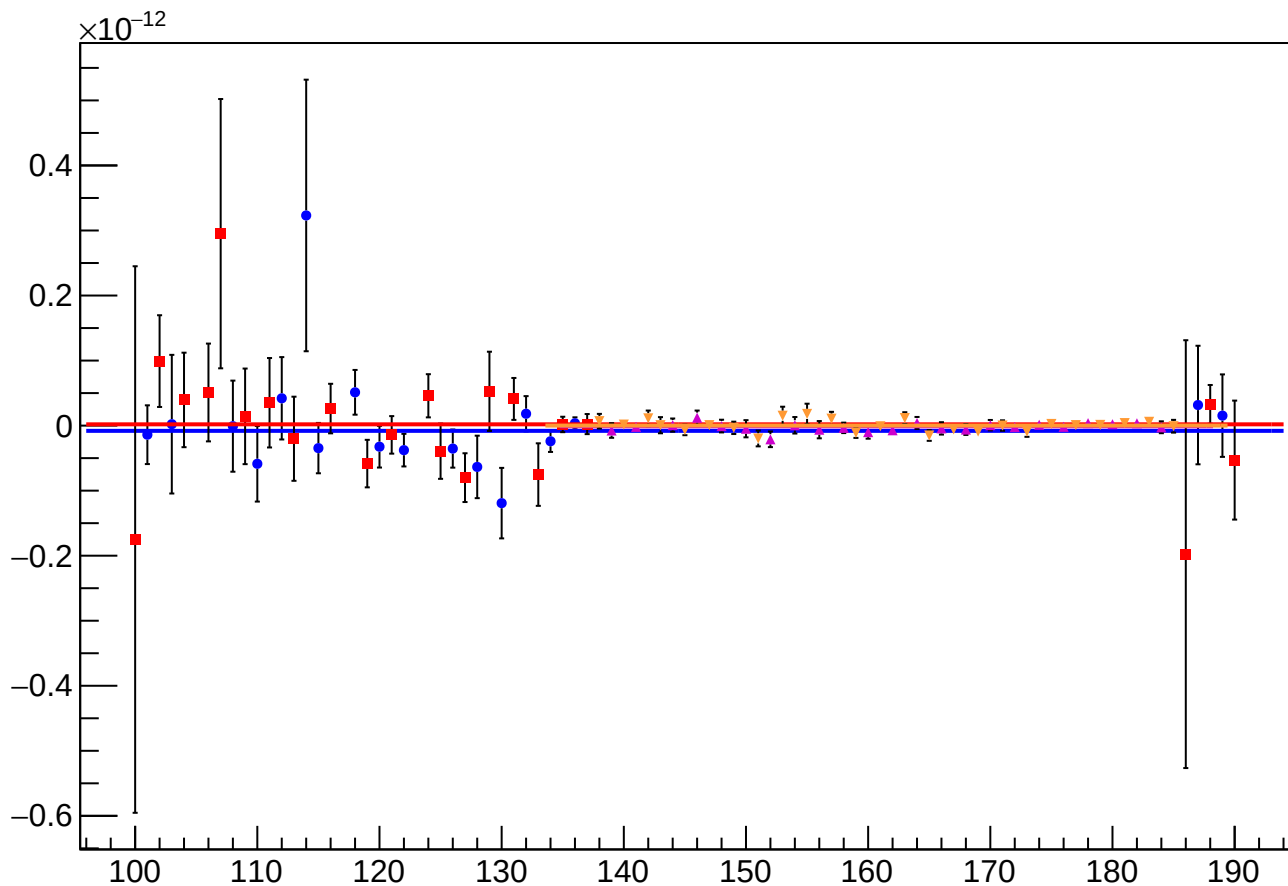
Left In: 32.422+/-0.006 χ^2/NDF : 426001.5/22

+ sign 32.910+/-0.005 χ^2/NDF : 4121413.5/42

All: 32.980+/-0.004 χ^2/NDF : 7295822.1/87

- sign 33.050+/-0.005 χ^2/NDF : 3174024.3/44

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.6/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 22.6/21

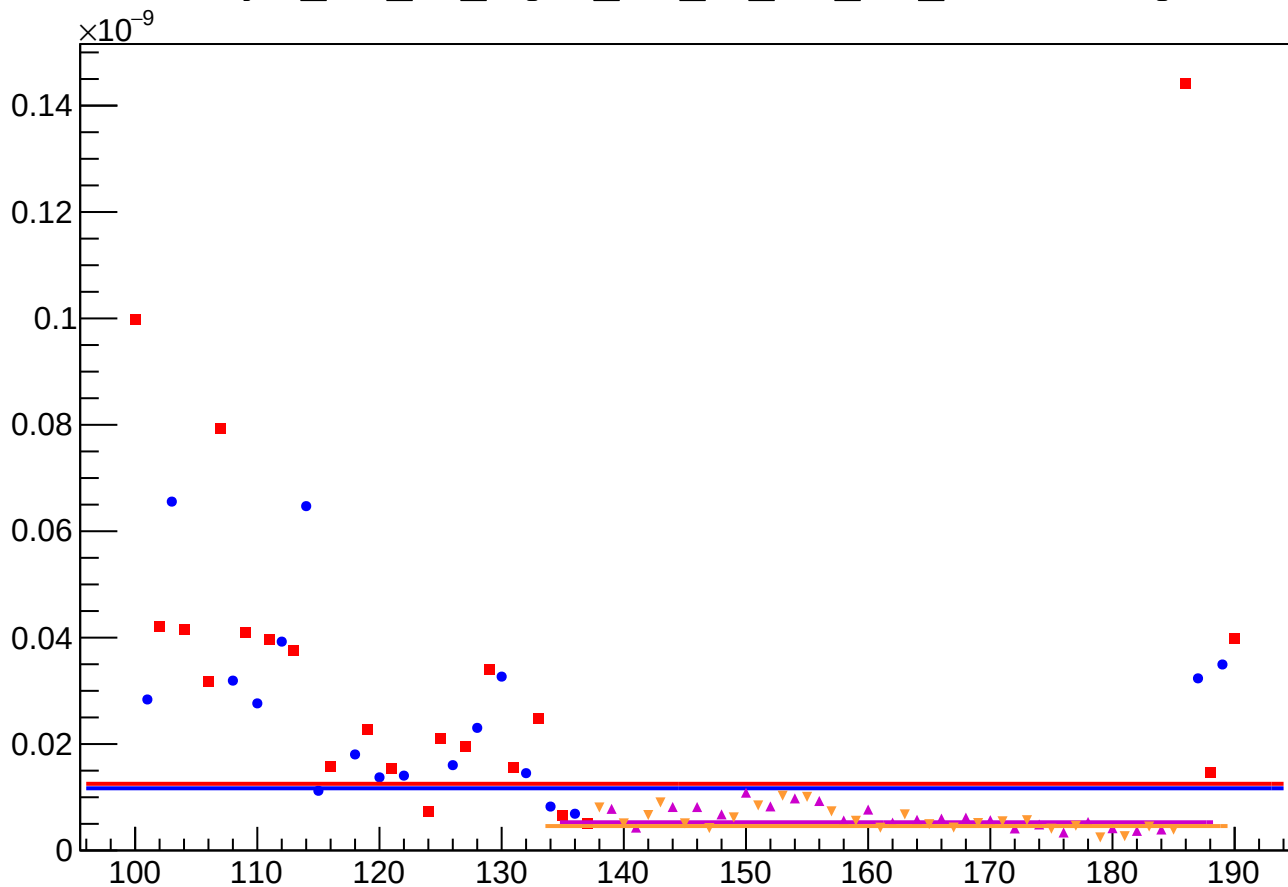
Left In: -0.000 ± 0.000 χ^2/NDF : 9.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 42.2/42

All: -0.000 ± 0.000 χ^2/NDF : 74.3/87

- sign -0.000 ± 0.000 χ^2/NDF : 32.0/44

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3191463.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4271616.1/21

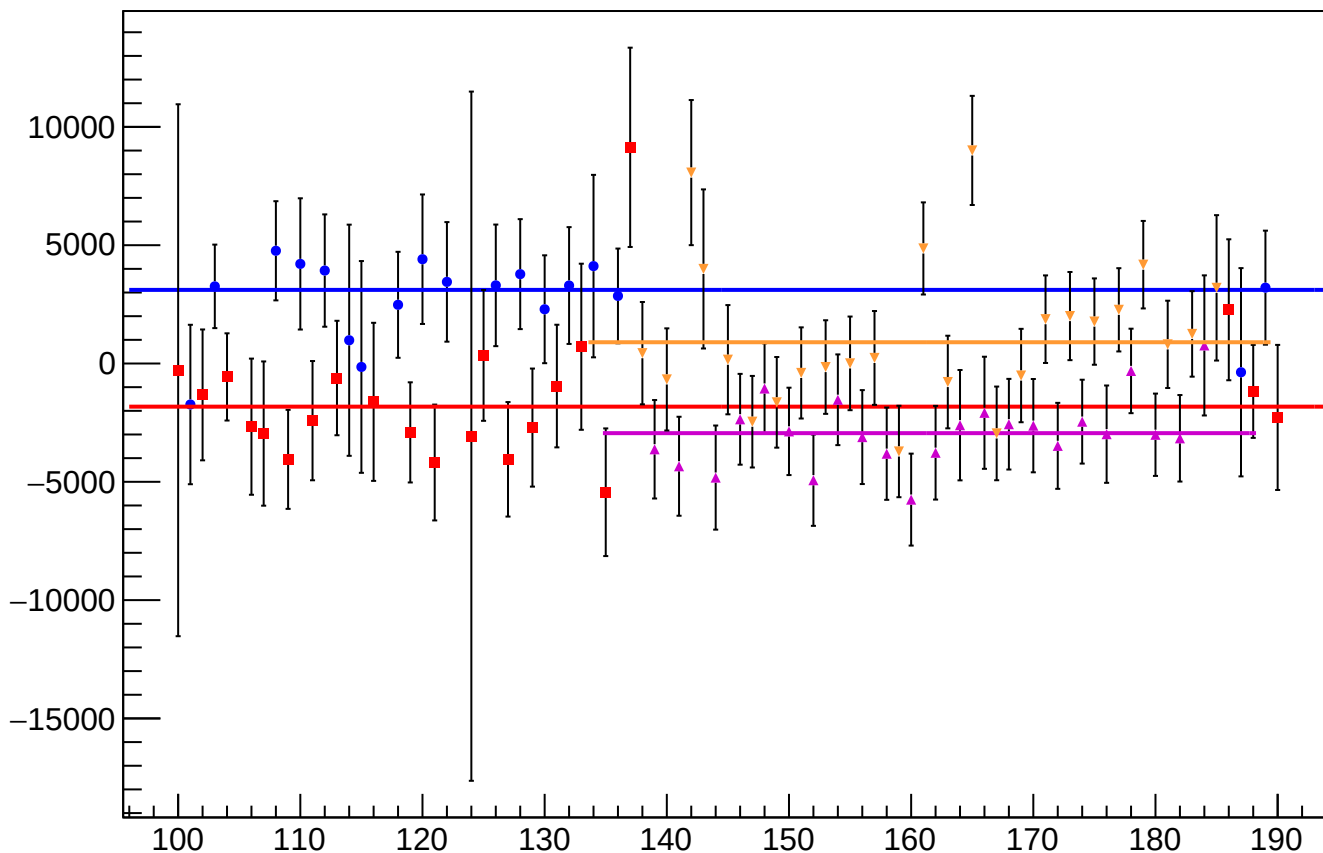
Left In: 0.000+/-0.000 χ^2/NDF : 2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 8361866.9/42

All: 0.000+/-0.000 χ^2/NDF : 17111307.6/87

- sign 0.000+/-0.000 χ^2/NDF : 8513699.5/44

reg_asym_at2_avg_mean vs Slug



Right In: 3111.146 $\pm$ 601.977 χ^2 /NDF: 4.9/17

Left Out: 898.921 $\pm$ 405.540 χ^2 /NDF:45.3/24

Right Out: -1823.392 $\pm$ 570.998 χ^2 /NDF: 16.2/21

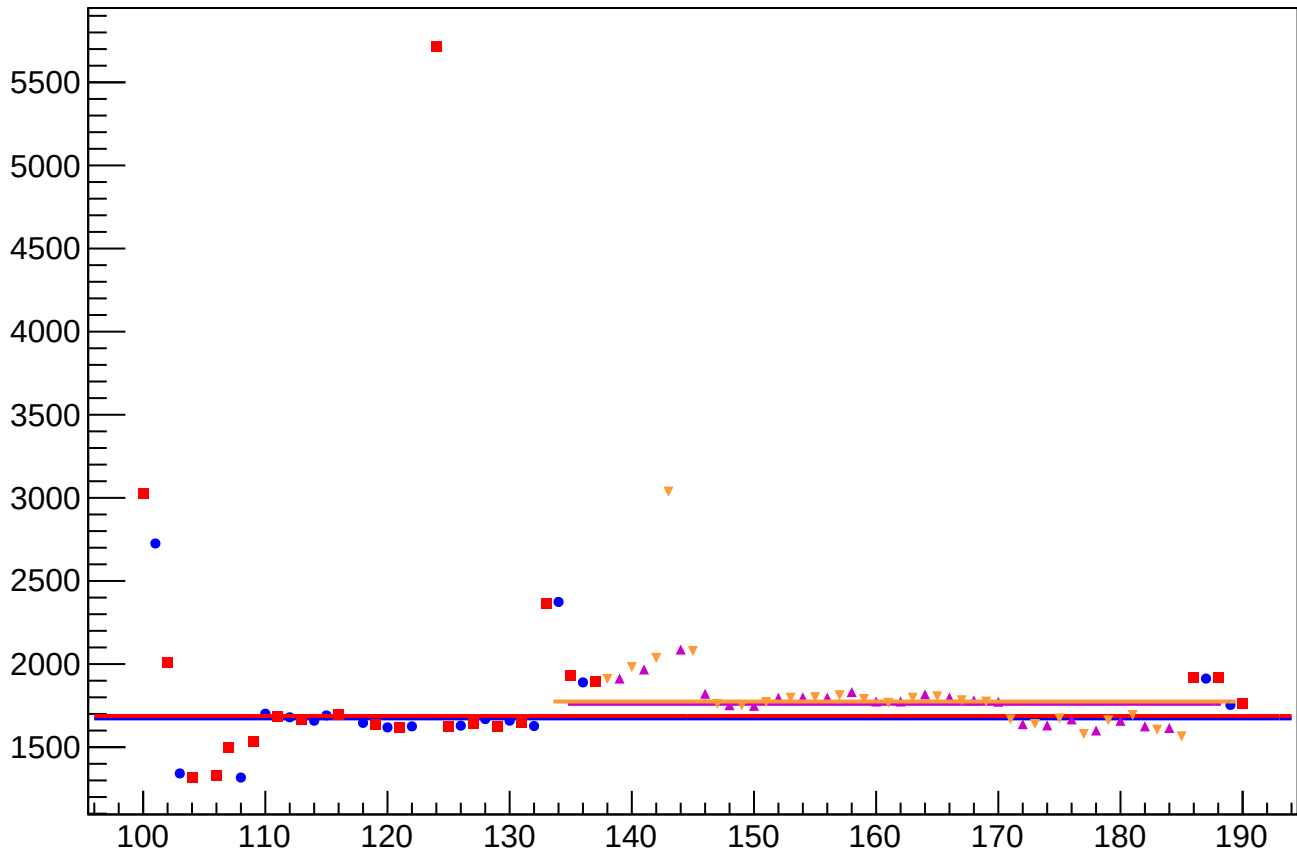
Left In: -2943.285 $\pm$ 412.069 χ^2 /NDF:10.6/22

+ sign 1589.509 $\pm$ 336.337 χ^2 /NDF: 59.5/42

All: -498.705 $\pm$ 237.047 χ^2 /NDF: 165.4/87

- sign -2559.777 $\pm$ 334.144 χ^2 /NDF: 29.3/44

reg_asym_at2_avg_rms vs Slug



Right In: 1673.273 $\pm$ 0.426 χ^2 /NDF: 424351.9/17

Left Out: 1774.731 $\pm$ 0.287 χ^2 /NDF: 446895.8/24

Right Out: 1687.534 $\pm$ 0.404 χ^2 /NDF: 479395.9/21

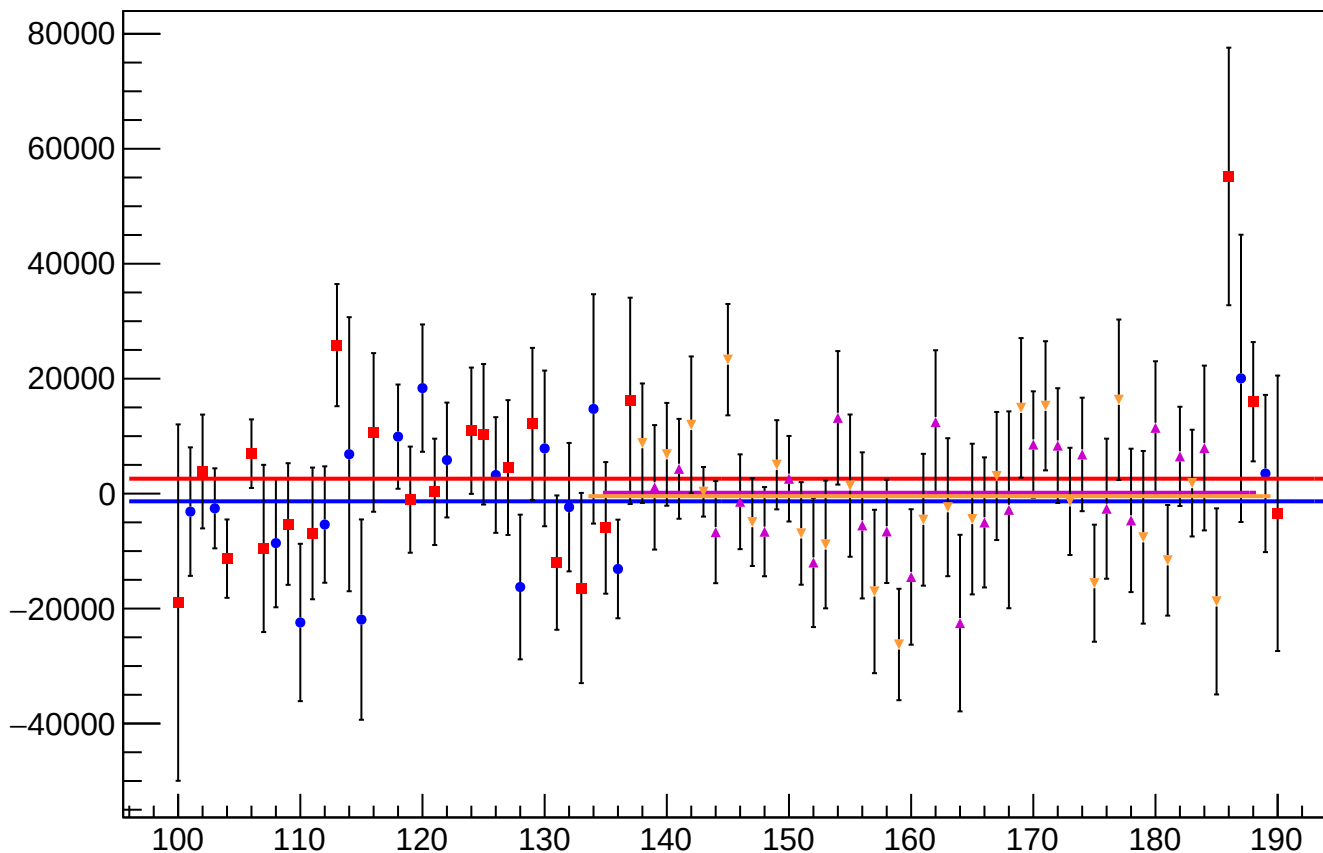
Left In: 1761.089 $\pm$ 0.291 χ^2 /NDF: 146266.6/22

+ sign 1743.059 $\pm$ 0.238 χ^2 /NDF: 910324.7/42

All: 1739.456 $\pm$ 0.168 χ^2 /NDF: 1558265.9/87

- sign 1735.900 $\pm$ 0.236 χ^2 /NDF: 647485.1/44

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1338.529 ± 2674.585 $\chi^2/\text{NDF}: 15.2/17$

Left Out: -443.346 ± 1925.604 $\chi^2/\text{NDF}: 29.5/24$

Right Out: 2597.458 ± 2341.707 $\chi^2/\text{NDF}: 25.2/21$

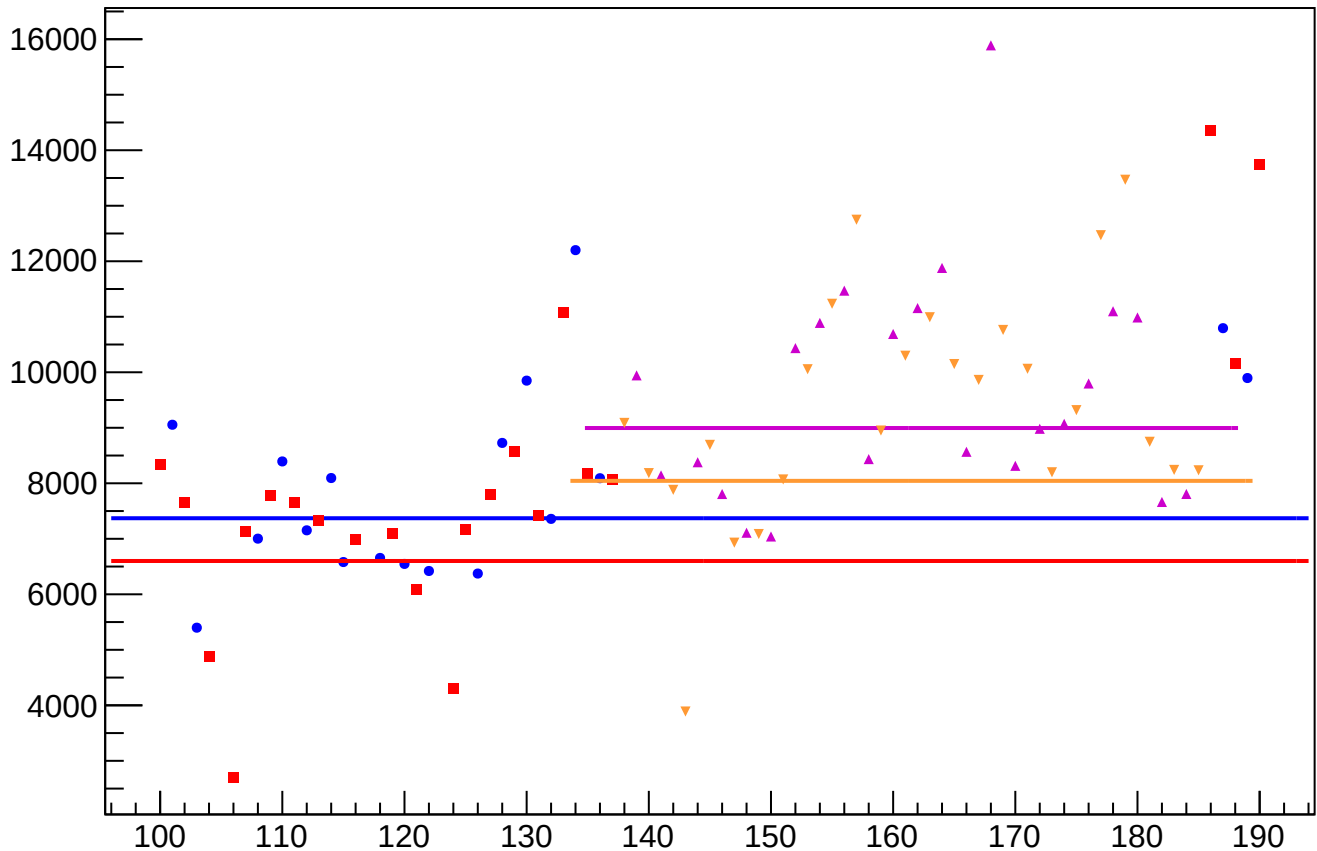
Left In: 155.268 ± 2143.489 $\chi^2/\text{NDF}: 13.8/22$

+ sign -748.952 ± 1562.721 $\chi^2/\text{NDF}: 44.8/42$

All: 248.041 ± 1111.457 $\chi^2/\text{NDF}: 85.2/87$

- sign 1268.644 ± 1581.116 $\chi^2/\text{NDF}: 39.6/44$

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7370.478+/-1.891 χ^2 /NDF: 614421.9/17

Left Out: 8043.834+/-1.362 χ^2 /NDF: 3362838.6/24

+ sign 7813.957+/-1.105 χ^2 /NDF: 4060750.6/42

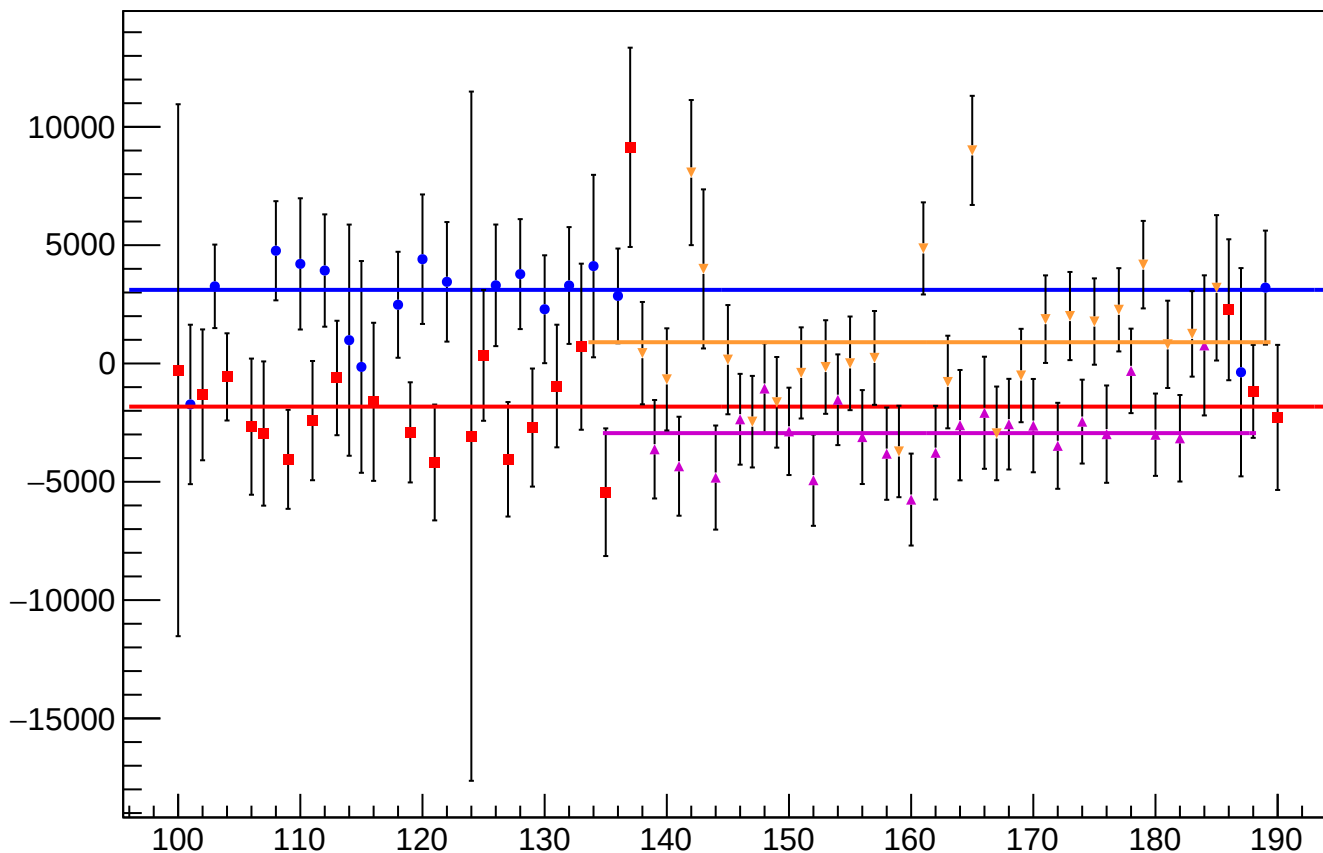
Right Out: 6600.256+/-1.656 χ^2 /NDF: 2094975.7/21

All: 7858.252+/-0.786 χ^2 /NDF: 8504773.8/87

Left In: 8995.626+/-1.516 χ^2 /NDF: 1207133.5/22

- sign 7903.595+/-1.118 χ^2 /NDF: 4440771.5/44

cor_asym_at2_avg_mean vs Slug



Right In: 3111.275 $\pm$ 601.977 χ^2 /NDF: 4.9/17

Left Out: 898.842 $\pm$ 405.540 χ^2 /NDF:45.3/24

Right Out: -1823.225 $\pm$ 570.999 χ^2 /NDF: 16.2/21

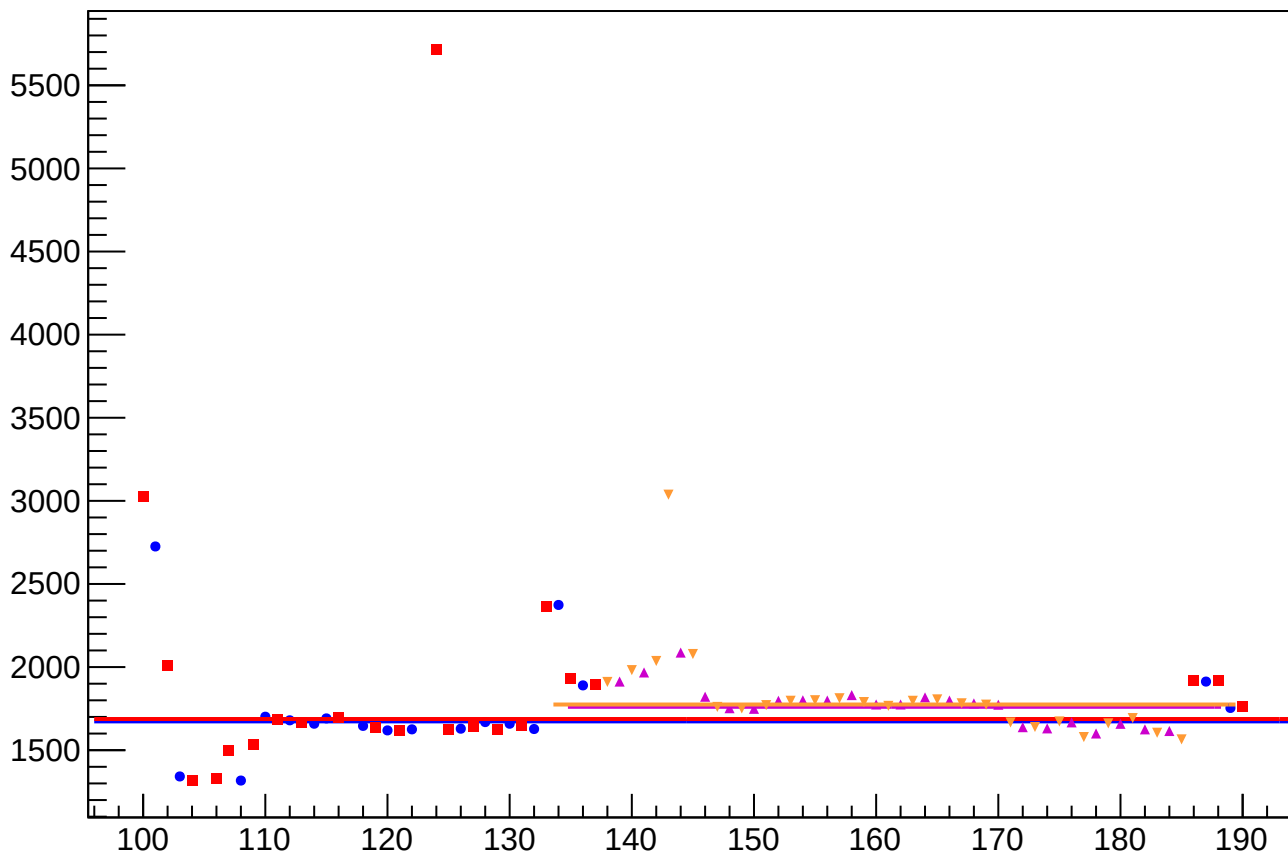
Left In: -2943.173 $\pm$ 412.069 χ^2 /NDF:10.6/22

+ sign 1589.495 $\pm$ 336.337 χ^2 /NDF: 59.5/42

All: -498.646 $\pm$ 237.047 χ^2 /NDF: 165.4/87

- sign -2559.645 $\pm$ 334.144 χ^2 /NDF: 29.3/44

cor_asym_at2_avg_rms vs Slug



Right In: 1673.273+/-0.426 χ^2/NDF : 424352.2/17

Left Out: 1774.731+/-0.287 χ^2/NDF : 446895.7/24

Right Out: 1687.534+/-0.404 χ^2/NDF : 479396.0/21

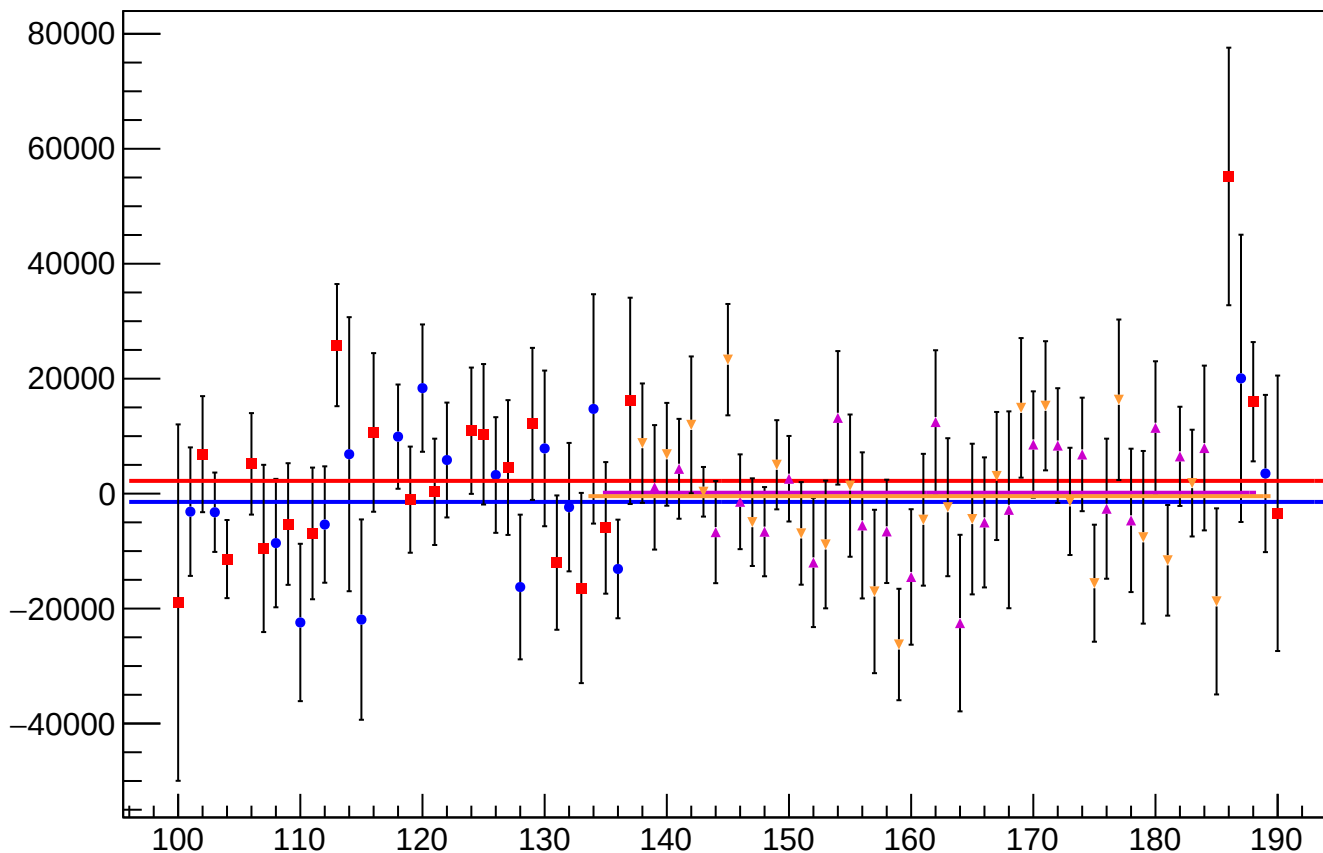
Left In: 1761.089+/-0.291 χ^2/NDF : 146266.6/22

+ sign 1743.059+/-0.238 χ^2/NDF : 910325.2/42

All: 1739.456+/-0.168 χ^2/NDF : 1558266.5/87

- sign 1735.900+/-0.236 χ^2/NDF : 647485.3/44

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1443.353 $\pm$ 2671.191 χ^2 /NDF: 15.3/17

Left Out: -443.387 $\pm$ 1925.600 χ^2 /NDF: 29.5/24

Right Out: 2216.464 $\pm$ 2448.407 χ^2 /NDF: 25.0/21

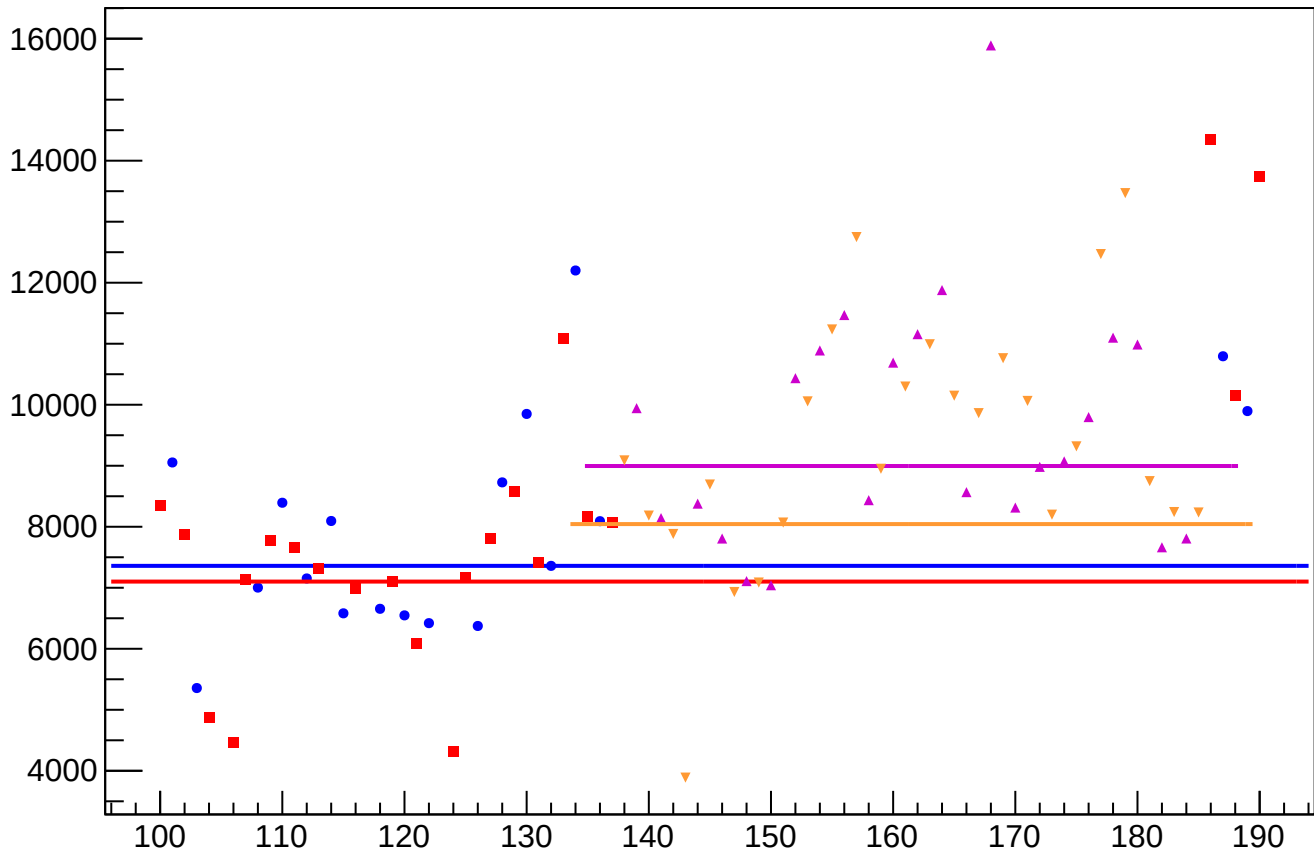
Left In: 155.239 $\pm$ 2143.487 χ^2 /NDF: 13.8/22

+ sign -785.335 $\pm$ 1562.041 χ^2 /NDF: 44.8/42

All: 102.810 $\pm$ 1122.035 χ^2 /NDF: 84.7/87

- sign 1049.579 $\pm$ 1612.769 χ^2 /NDF: 39.2/44

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7359.127+/-1.889 χ^2/NDF : 624181.9/17

Left Out: 8043.808+/-1.362 χ^2/NDF : 3362915.7/24

Right Out: 7101.375+/-1.731 χ^2/NDF : 1283780.9/21

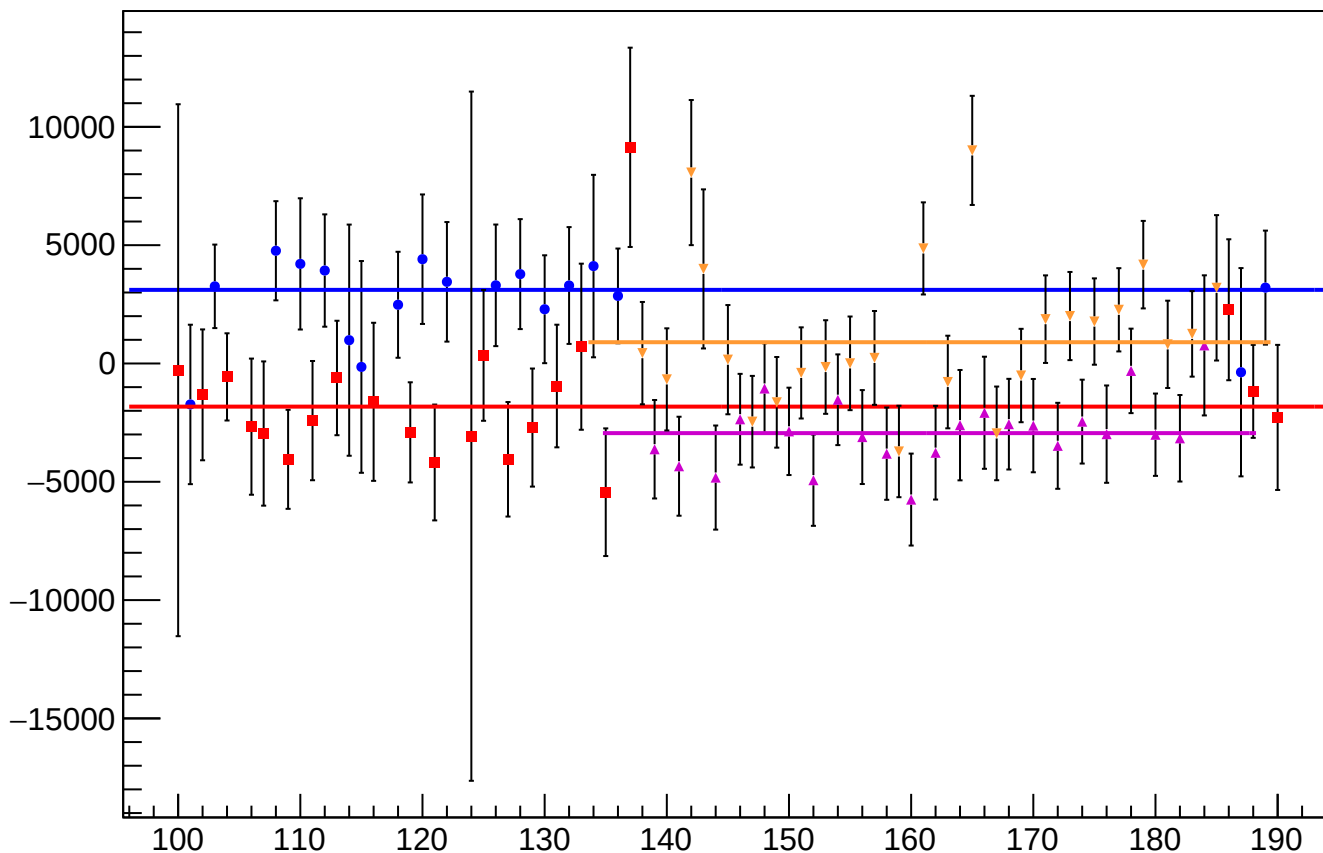
Left In: 8995.616+/-1.516 χ^2/NDF : 1207139.1/22

+ sign 7809.675+/-1.105 χ^2/NDF : 4073564.3/42

All: 7985.887+/-0.793 χ^2/NDF : 7294764.9/87

- sign 8173.729+/-1.140 χ^2/NDF : 3168617.7/44

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3111.275 ± 601.977 χ^2/NDF : 4.9/17

Left Out: 898.842 ± 405.540 χ^2/NDF : 45.3/24

Right Out: -1823.225 ± 570.999 χ^2/NDF : 16.2/21

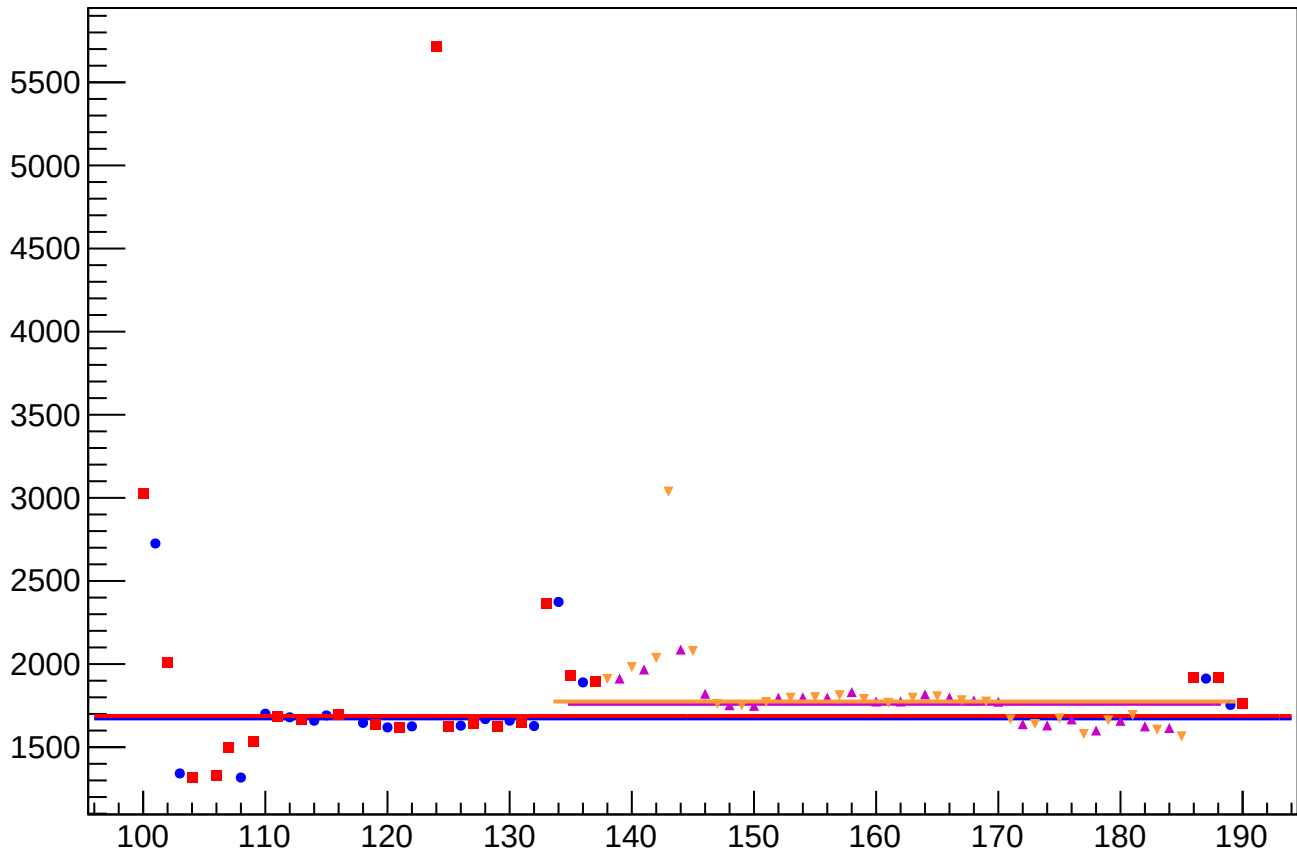
Left In: -2943.173 ± 412.069 χ^2/NDF : 10.6/22

+ sign 1589.495 ± 336.337 χ^2/NDF : 59.5/42

All: -498.646 ± 237.047 χ^2/NDF : 165.4/87

- sign -2559.645 ± 334.144 χ^2/NDF : 29.3/44

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1673.273+/-0.426 χ^2/NDF : 424352.2/17

Left Out: 1774.731+/-0.287 χ^2/NDF : 446895.7/24

Right Out: 1687.534+/-0.404 χ^2/NDF : 479396.0/21

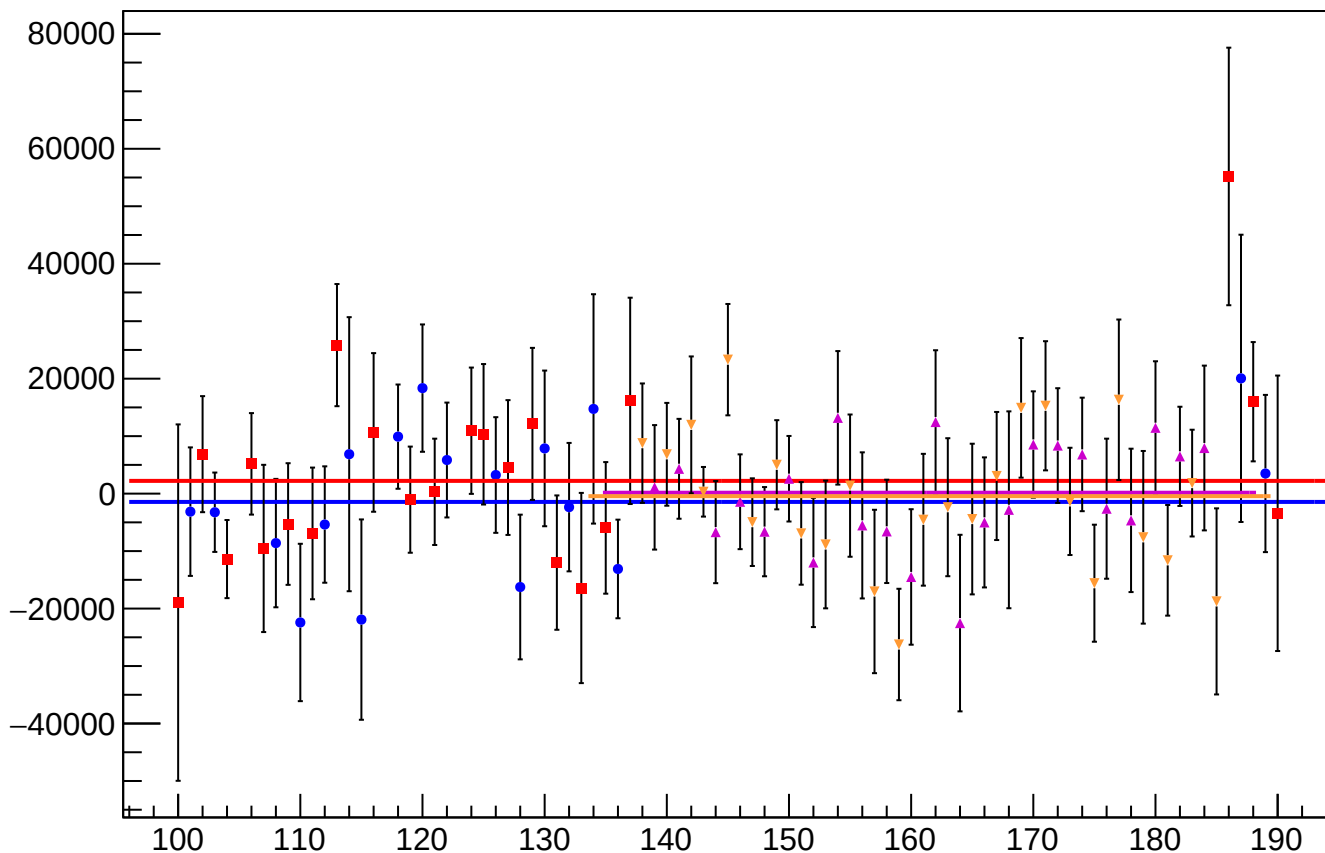
Left In: 1761.089+/-0.291 χ^2/NDF : 146266.6/22

+ sign 1743.059+/-0.238 χ^2/NDF : 910325.2/42

All: 1739.456+/-0.168 χ^2/NDF : 1558266.5/87

- sign 1735.900+/-0.236 χ^2/NDF : 647485.3/44

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1443.353 $\pm$ 2671.191 χ^2 /NDF: 15.3/17

Left Out: -443.387 $\pm$ 1925.600 χ^2 /NDF:29.5/24

Right Out: 2216.464 $\pm$ 2448.407 χ^2 /NDF: 25.0/21

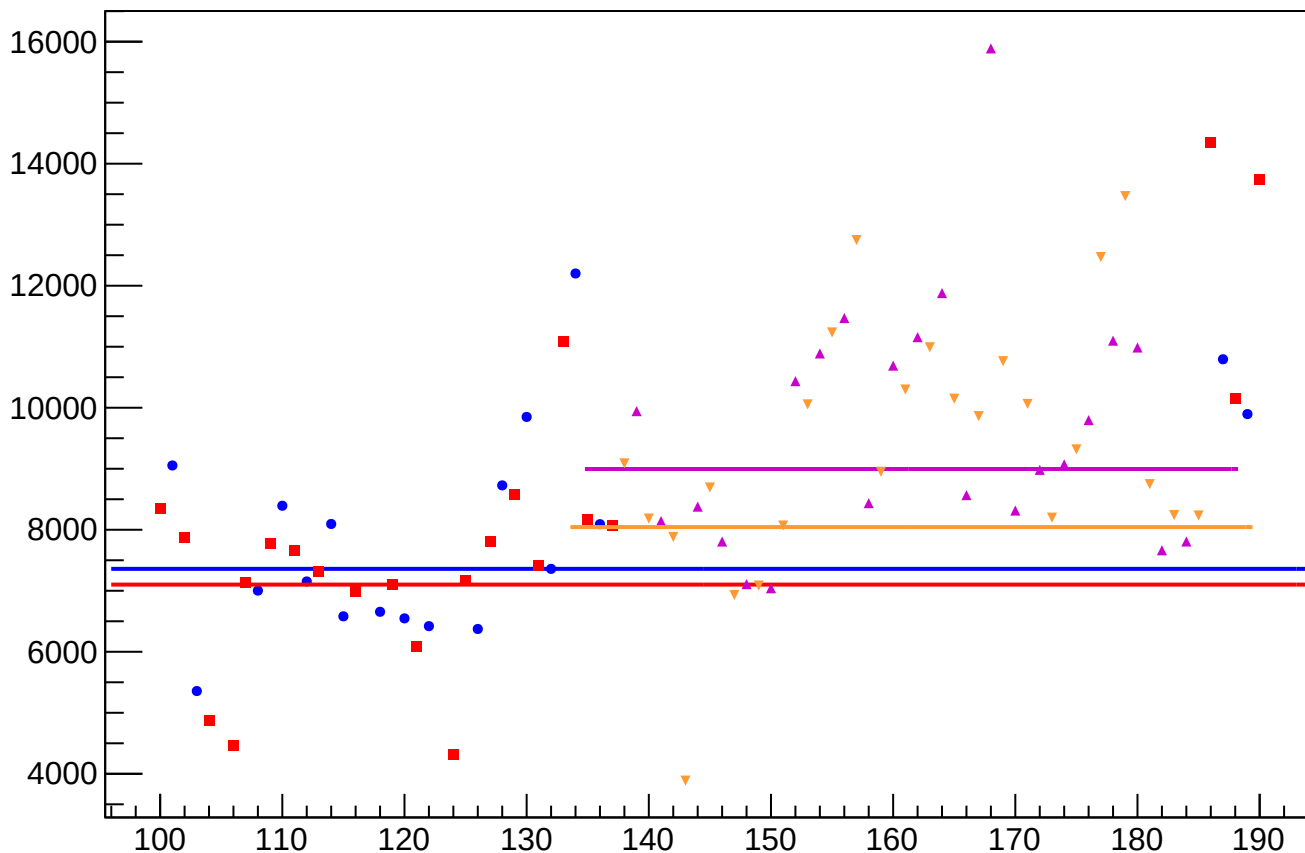
Left In: 155.239 $\pm$ 2143.487 χ^2 /NDF:13.8/22

+ sign -785.335 $\pm$ 1562.041 χ^2 /NDF: 44.8/42

All: 102.810 $\pm$ 1122.035 χ^2 /NDF: 84.7/87

- sign 1049.579 $\pm$ 1612.769 χ^2 /NDF: 39.2/44

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7359.127+/-1.889 χ^2/NDF : 624181.9/17

Left Out: 8043.808+/-1.362 χ^2/NDF : 3362915.7/24

Right Out: 7101.375+/-1.731 χ^2/NDF : 1283780.9/21

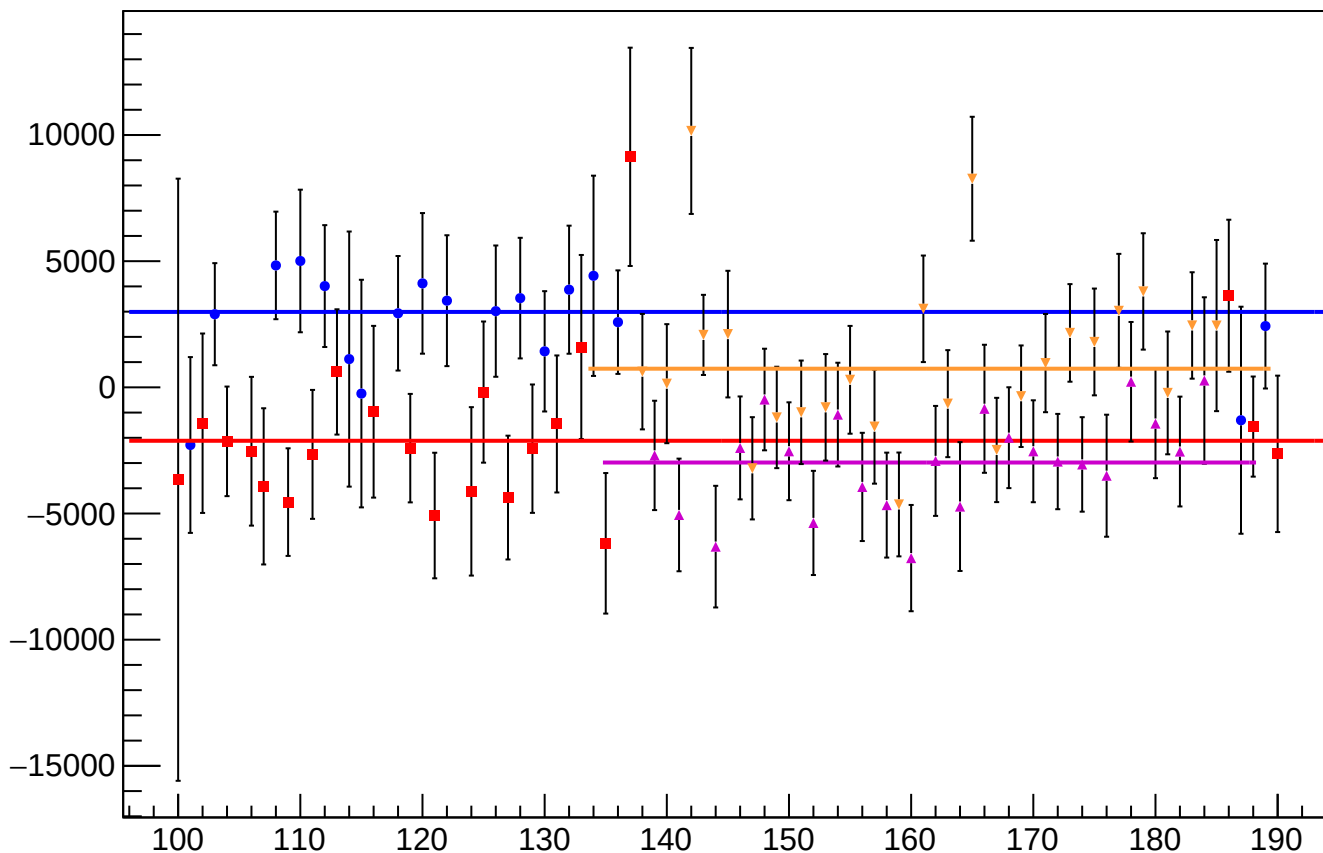
Left In: 8995.616+/-1.516 χ^2/NDF : 1207139.1/22

+ sign 7809.675+/-1.105 χ^2/NDF : 4073564.3/42

All: 7985.887+/-0.793 χ^2/NDF : 7294764.9/87

- sign 8173.729+/-1.140 χ^2/NDF : 3168617.7/44

dit_asym_at2_avg_mean vs Slug



Right In: 2989.147 $\pm$ 623.605 χ^2 /NDF: 6.3/17

Left Out: 739.029 $\pm$ 432.878 χ^2 /NDF:41.6/24

Right Out: -2117.424 $\pm$ 585.473 χ^2 /NDF: 20.0/21

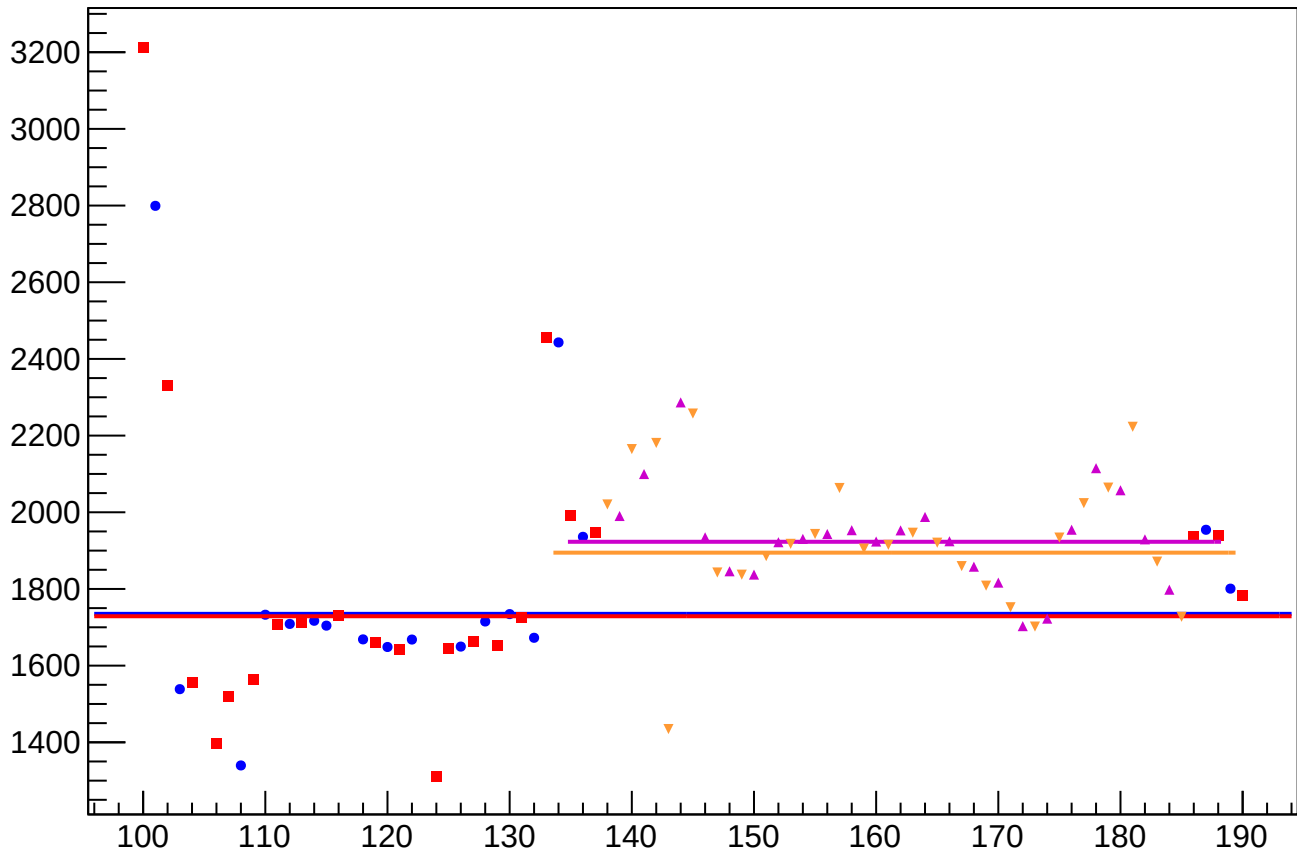
Left In: -2979.225 $\pm$ 450.334 χ^2 /NDF:15.6/22

+ sign 1470.696 $\pm$ 355.601 χ^2 /NDF: 56.7/42

All: -586.250 $\pm$ 251.925 χ^2 /NDF: 160.8/87

- sign -2658.879 $\pm$ 356.954 χ^2 /NDF: 36.9/44

dit_asym_at2_avg_rms vs Slug



Right In: 1735.058 $\pm$ 0.441 χ^2 /NDF: 372198.1/17

Left Out: 1894.684 $\pm$ 0.306 χ^2 /NDF: 368587.1/24

Right Out: 1728.797 $\pm$ 0.414 χ^2 /NDF: 323607.7/21

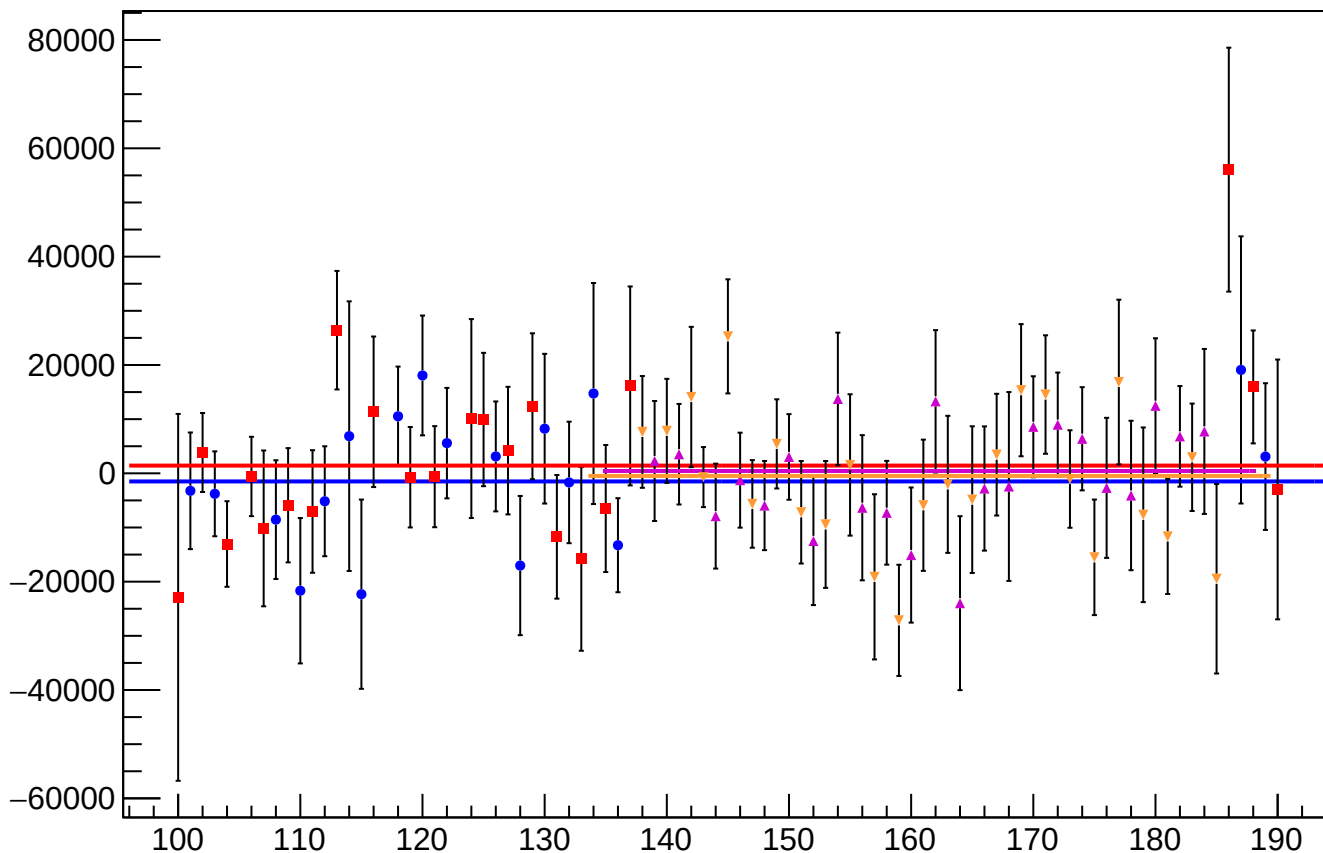
Left In: 1923.038 $\pm$ 0.318 χ^2 /NDF: 150977.3/22

+ sign 1842.779 $\pm$ 0.251 χ^2 /NDF: 829218.7/42

All: 1846.778 $\pm$ 0.178 χ^2 /NDF: 1442676.5/87

- sign 1850.807 $\pm$ 0.252 χ^2 /NDF: 612950.0/44

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1497.403 ± 2723.632 χ^2/NDF : 15.2/17

Left Out: -479.338 ± 2089.235 χ^2/NDF : 28.8/24

Right Out: 1427.445 ± 2431.084 χ^2/NDF : 24.3/21

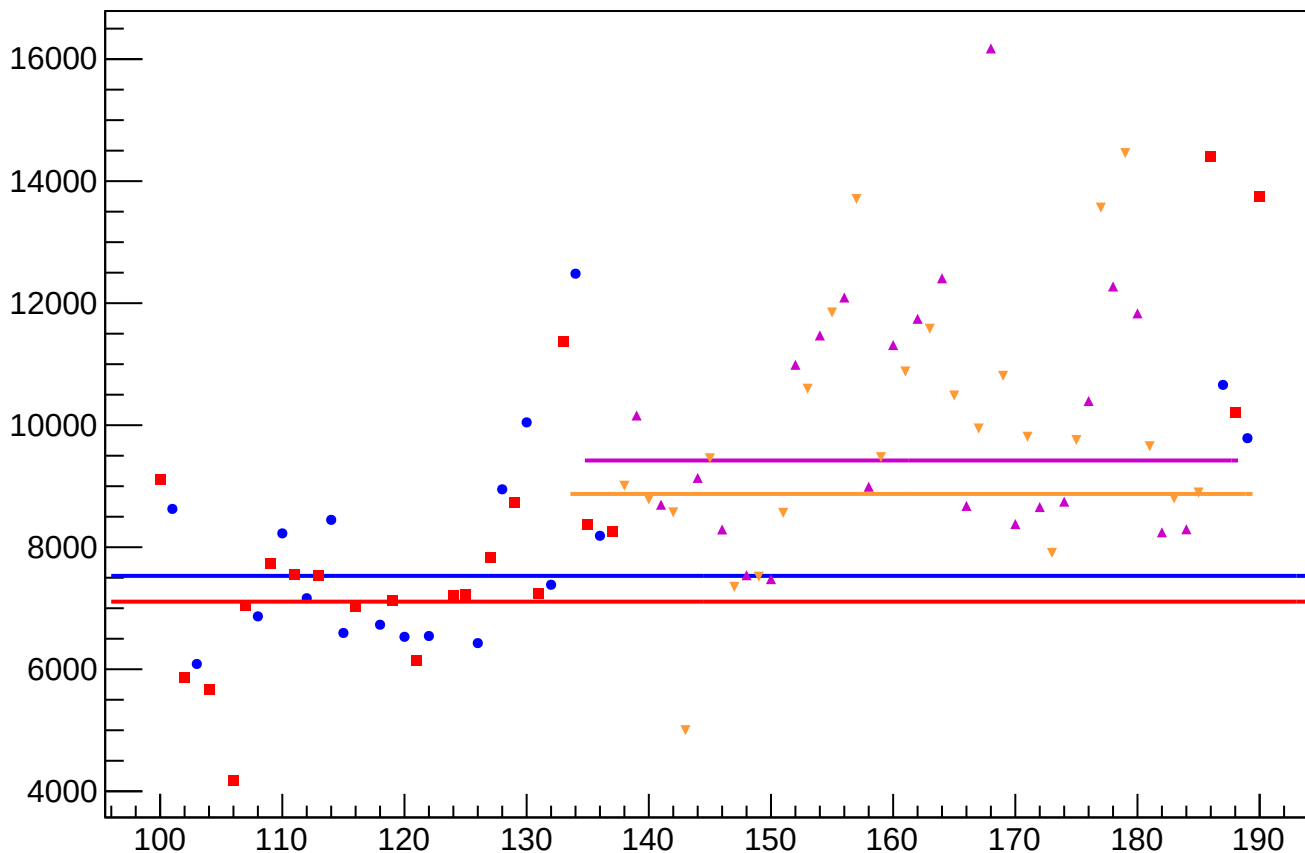
Left In: 436.717 ± 2245.180 χ^2/NDF : 13.6/22

+ sign -856.468 ± 1657.702 χ^2/NDF : 44.1/42

All: 22.539 ± 1169.224 χ^2/NDF : 82.7/87

- sign 892.757 ± 1649.393 χ^2/NDF : 38.0/44

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7530.310+/-1.926 χ^2/NDF : 494373.4/17

Left Out: 8873.592+/-1.477 χ^2/NDF : 2203249.6/24

Right Out: 7108.019+/-1.719 χ^2/NDF : 1222790.1/21

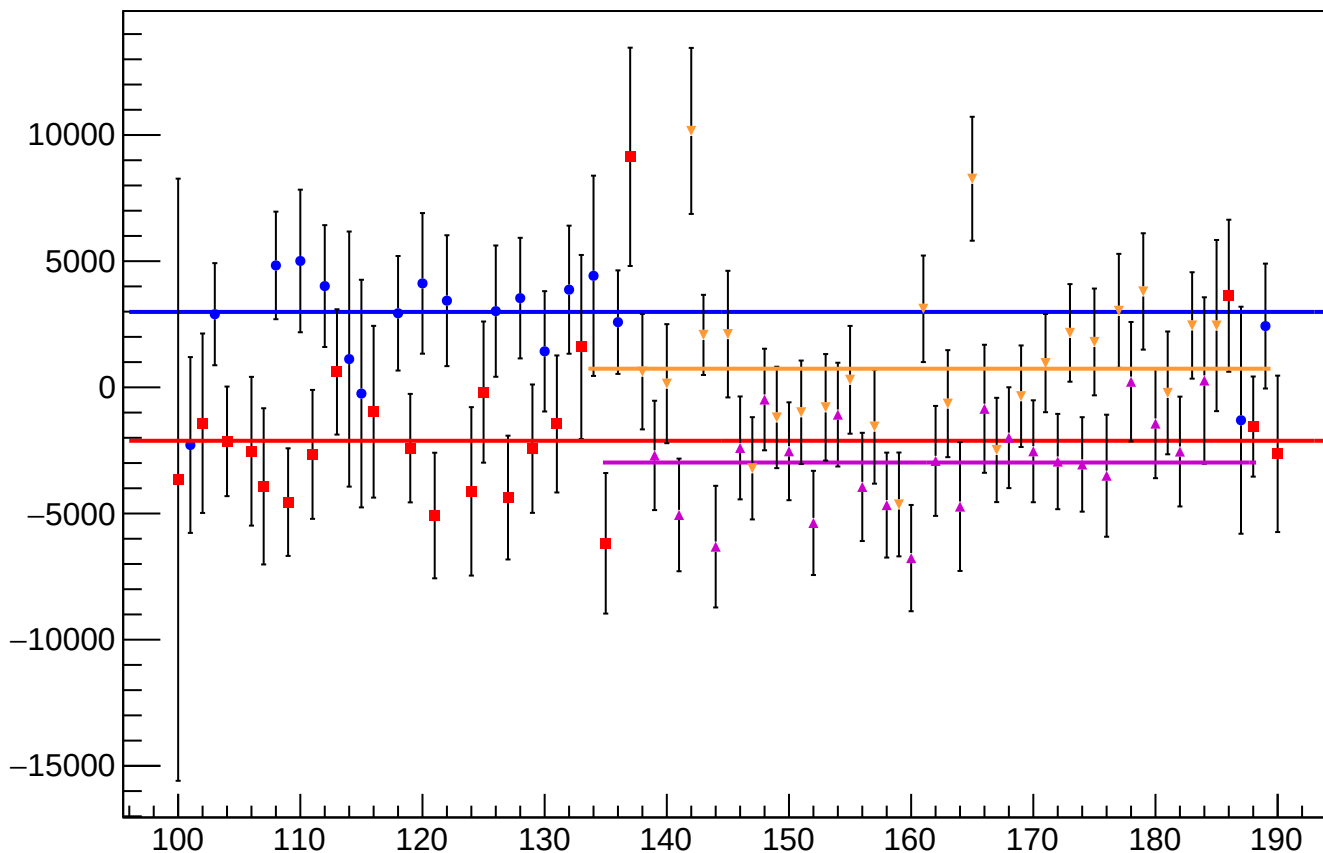
Left In: 9421.708+/-1.588 χ^2/NDF : 1204848.0/22

+ sign 8375.989+/-1.172 χ^2/NDF : 3003894.0/42

All: 8366.296+/-0.827 χ^2/NDF : 6409323.6/87

- sign 8356.699+/-1.166 χ^2/NDF : 3405293.5/44

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2989.149 ± 623.605 χ^2/NDF : 6.3/17

Left Out: 739.018 ± 432.879 χ^2/NDF : 41.6/24

Right Out: -2117.431 ± 585.472 χ^2/NDF : 20.0/21

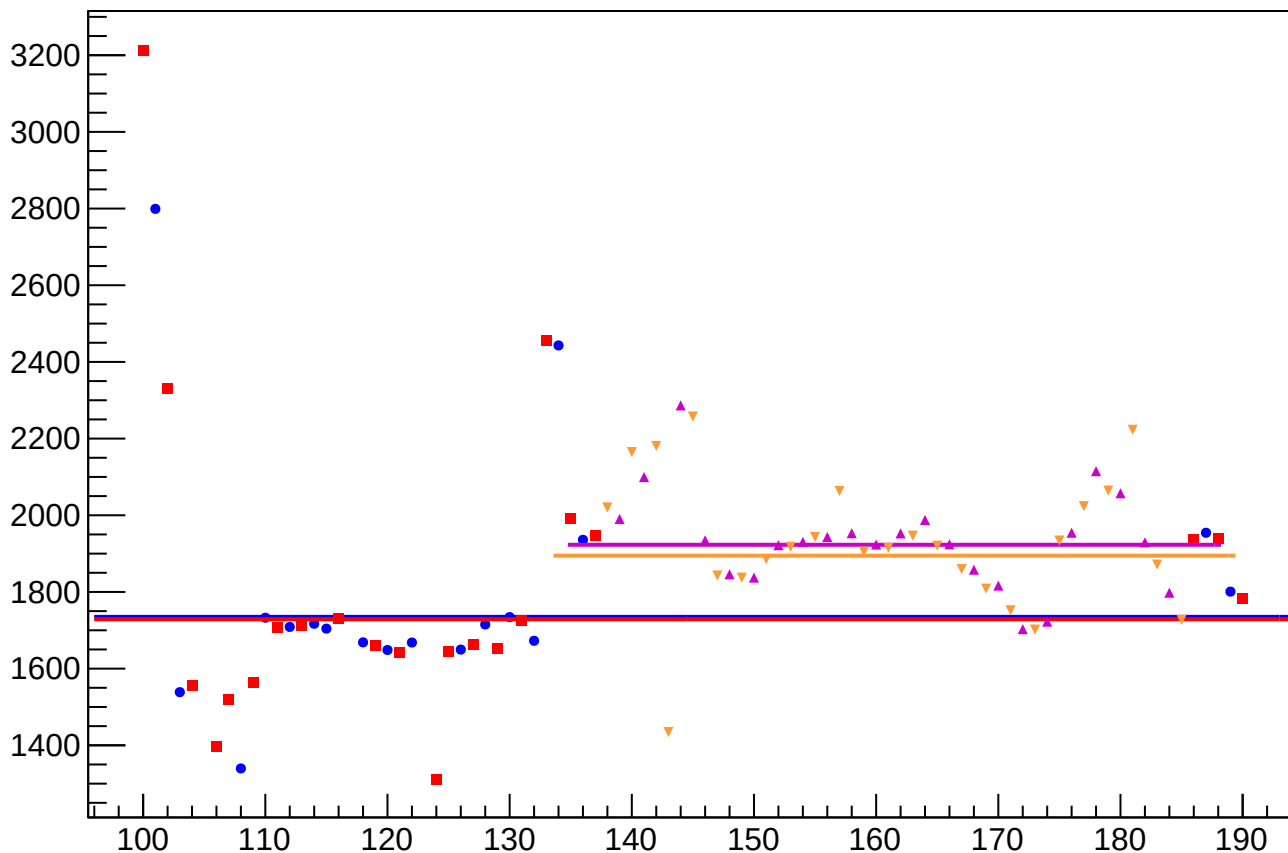
Left In: -2979.226 ± 450.335 χ^2/NDF : 15.6/22

+ sign 1470.691 ± 355.602 χ^2/NDF : 56.7/42

All: -586.253 ± 251.925 χ^2/NDF : 160.8/87

- sign -2658.881 ± 356.955 χ^2/NDF : 36.9/44

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1735.057+/-0.441 χ^2/NDF : 372198.1/17

Left Out: 1894.687+/-0.306 χ^2/NDF : 368594.6/24

Right Out: 1728.797+/-0.414 χ^2/NDF : 323607.9/21

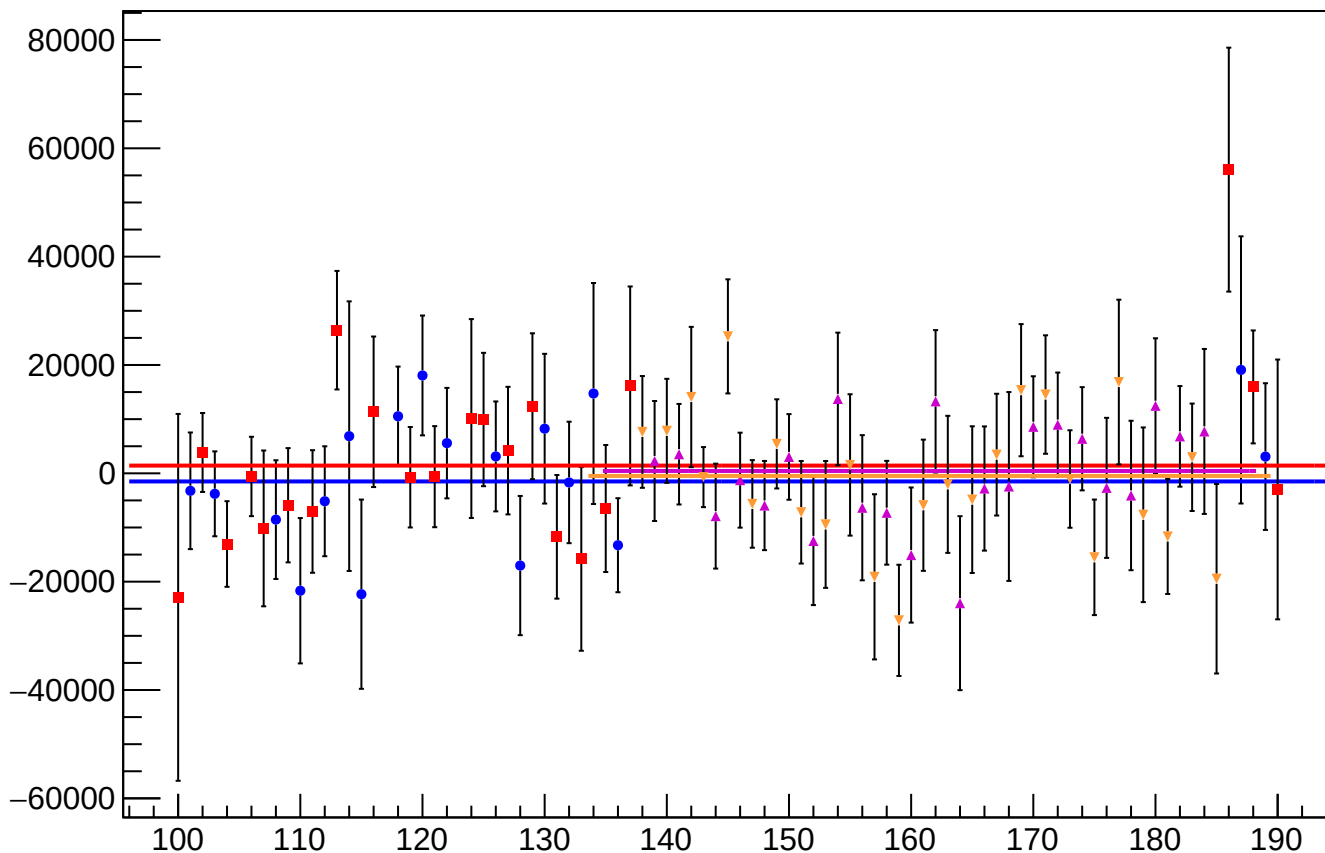
Left In: 1923.042+/-0.318 χ^2/NDF : 150984.8/22

+ sign 1842.781+/-0.251 χ^2/NDF : 829230.3/42

All: 1846.780+/-0.178 χ^2/NDF : 1442700.9/87

- sign 1850.809+/-0.252 χ^2/NDF : 612962.7/44

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1497.385 ± 2723.626 χ^2/NDF : 15.2/17

Left Out: -479.345 ± 2089.238 χ^2/NDF : 28.8/24

Right Out: 1427.433 ± 2431.079 χ^2/NDF : 24.3/21

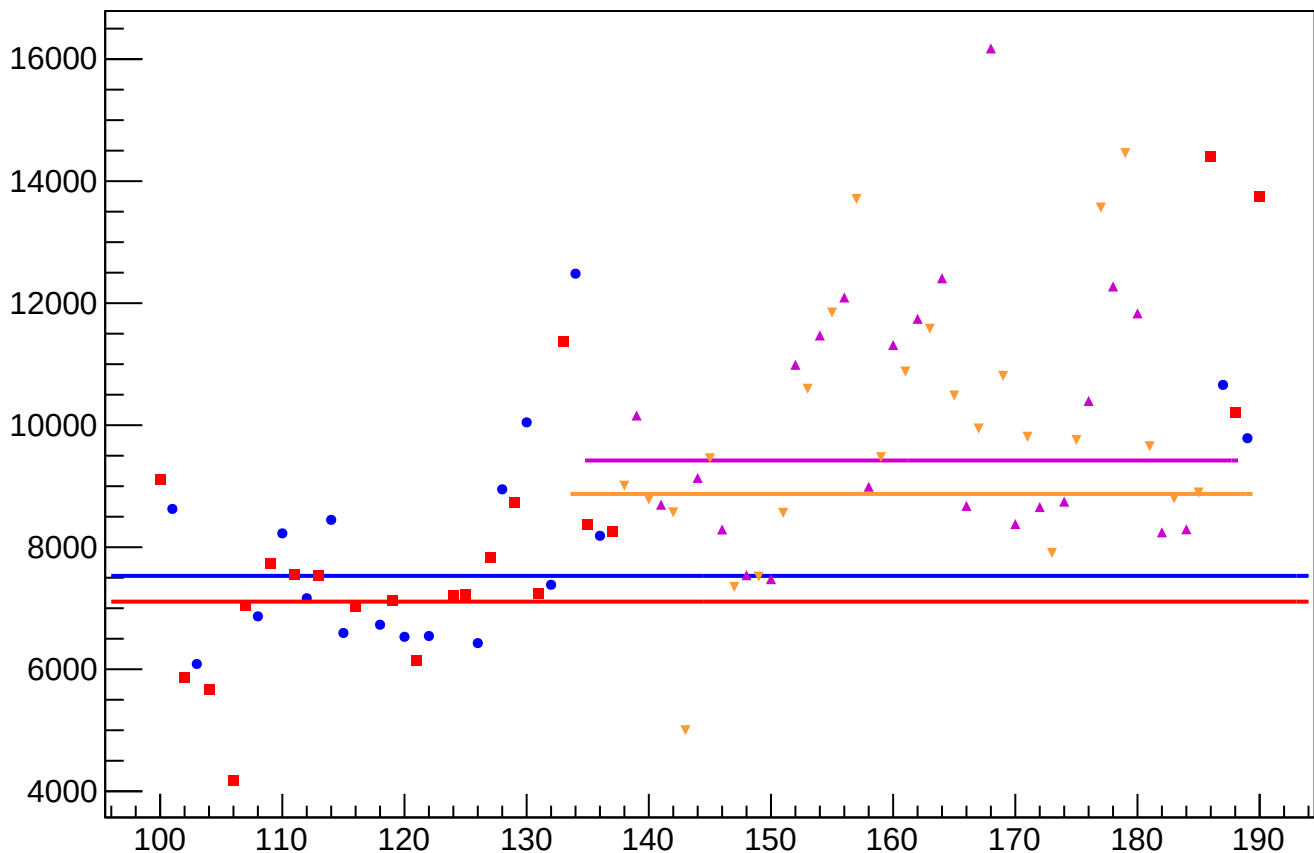
Left In: 436.720 ± 2245.183 χ^2/NDF : 13.6/22

+ sign -856.468 ± 1657.702 χ^2/NDF : 44.1/42

All: 22.538 ± 1169.224 χ^2/NDF : 82.7/87

- sign 892.754 ± 1649.393 χ^2/NDF : 38.0/44

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7530.294+/-1.926 χ^2/NDF : 494377.7/17

Left Out: 8873.607+/-1.477 χ^2/NDF : 2203251.2/24

Right Out: 7108.005+/-1.719 χ^2/NDF : 1222792.2/21

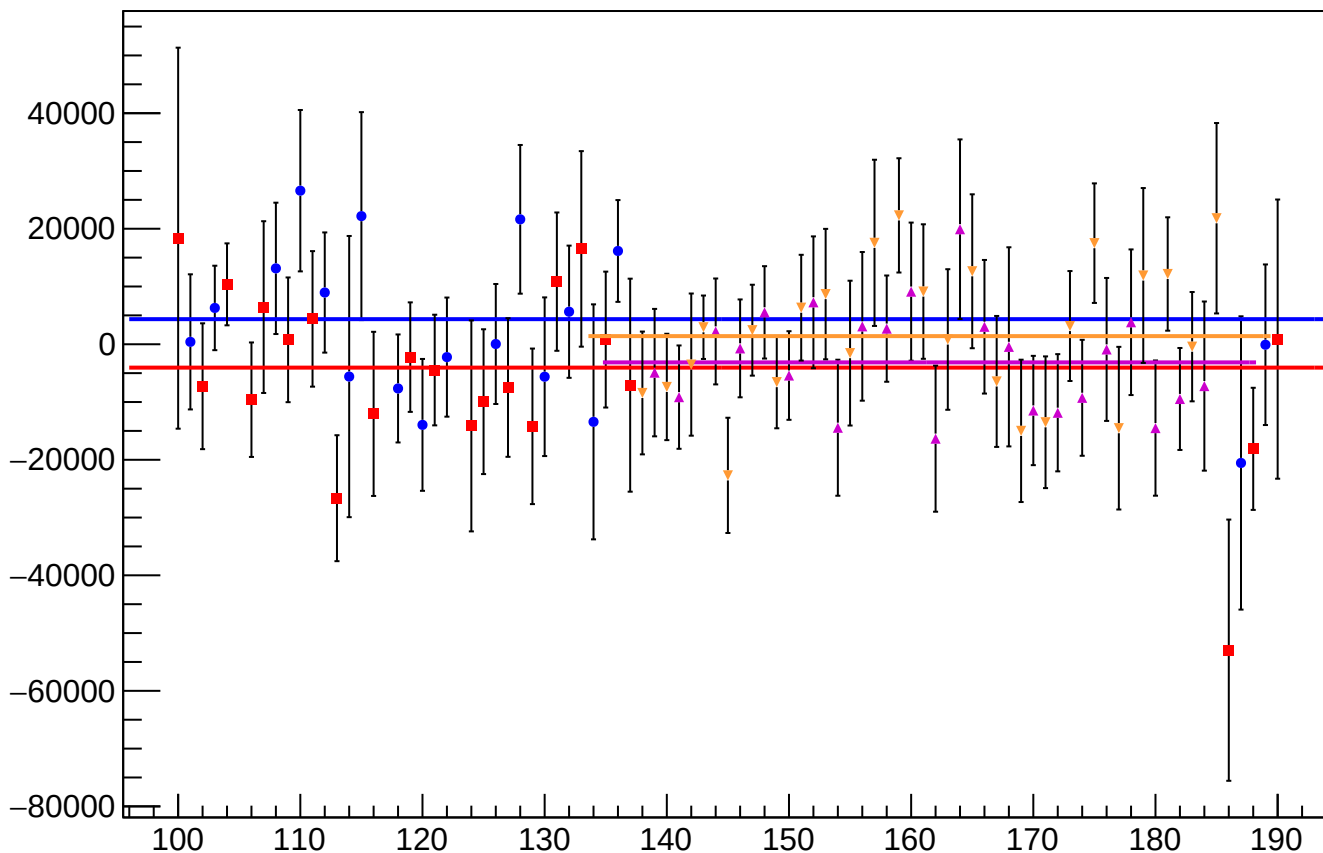
Left In: 9421.722+/-1.588 χ^2/NDF : 1204851.9/22

+ sign 8375.990+/-1.172 χ^2/NDF : 3003914.4/42

All: 8366.294+/-0.827 χ^2/NDF : 6409374.8/87

- sign 8356.696+/-1.166 χ^2/NDF : 3405324.2/44

asym_at2_avg_mean vs Slug



Right In: 4345.301 $\pm$ 2755.713 χ^2 /NDF: 15.4/17

Left Out: 1408.316 $\pm$ 2039.907 χ^2 /NDF: 27.4/24

Right Out: -4044.190 $\pm$ 2579.846 χ^2 /NDF: 21.7/21

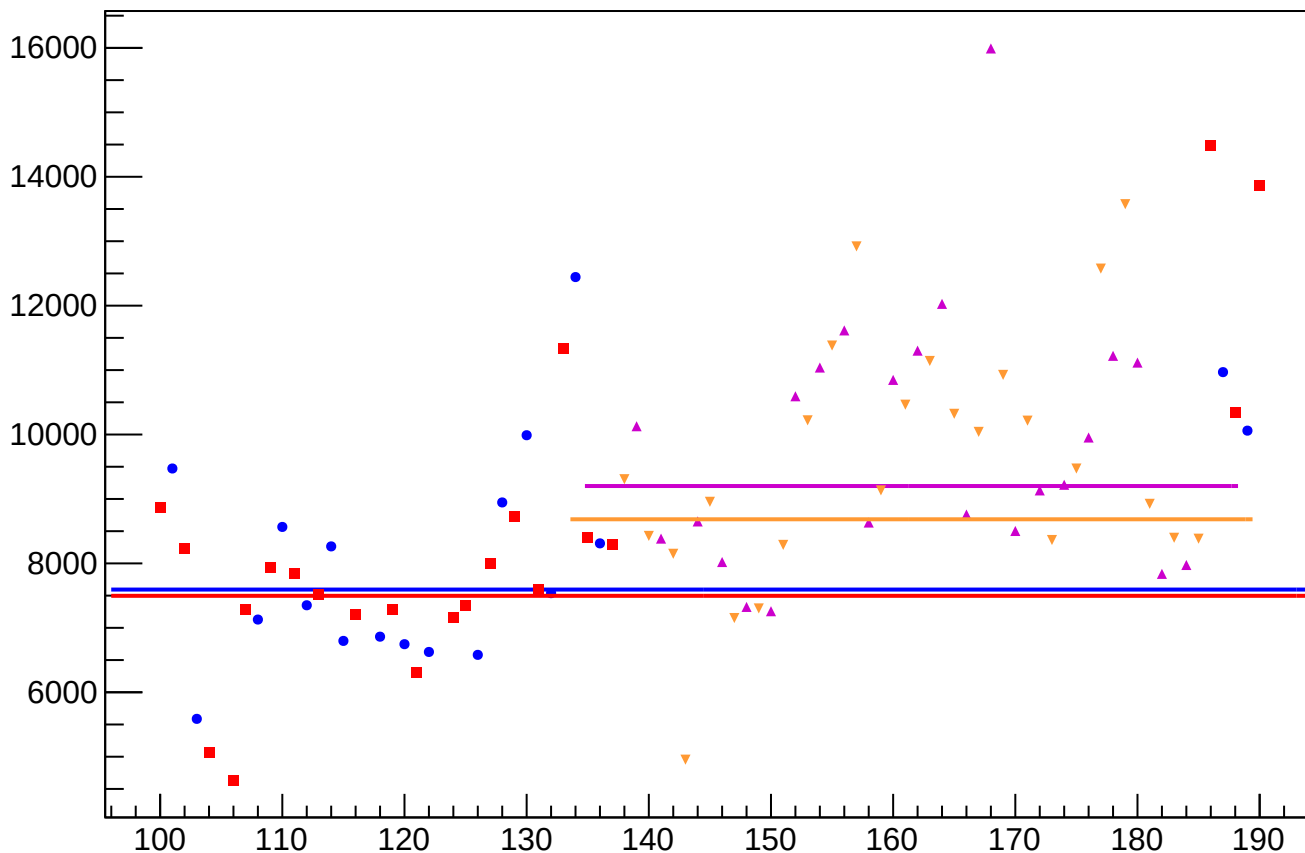
Left In: -3139.264 $\pm$ 2189.465 χ^2 /NDF: 13.0/22

+ sign 2447.981 $\pm$ 1639.570 χ^2 /NDF: 43.6/42

All: -481.436 $\pm$ 1169.729 χ^2 /NDF: 84.9/87

- sign -3518.149 $\pm$ 1669.326 χ^2 /NDF: 34.8/44

asym_at2_avg_rms vs Slug



Right In: 7594.027+/-1.949 χ^2/NDF : 589901.9/17

Left Out: 8684.549+/-1.442 χ^2/NDF : 2051622.3/24

Right Out: 7496.940+/-1.824 χ^2/NDF : 1068658.2/21

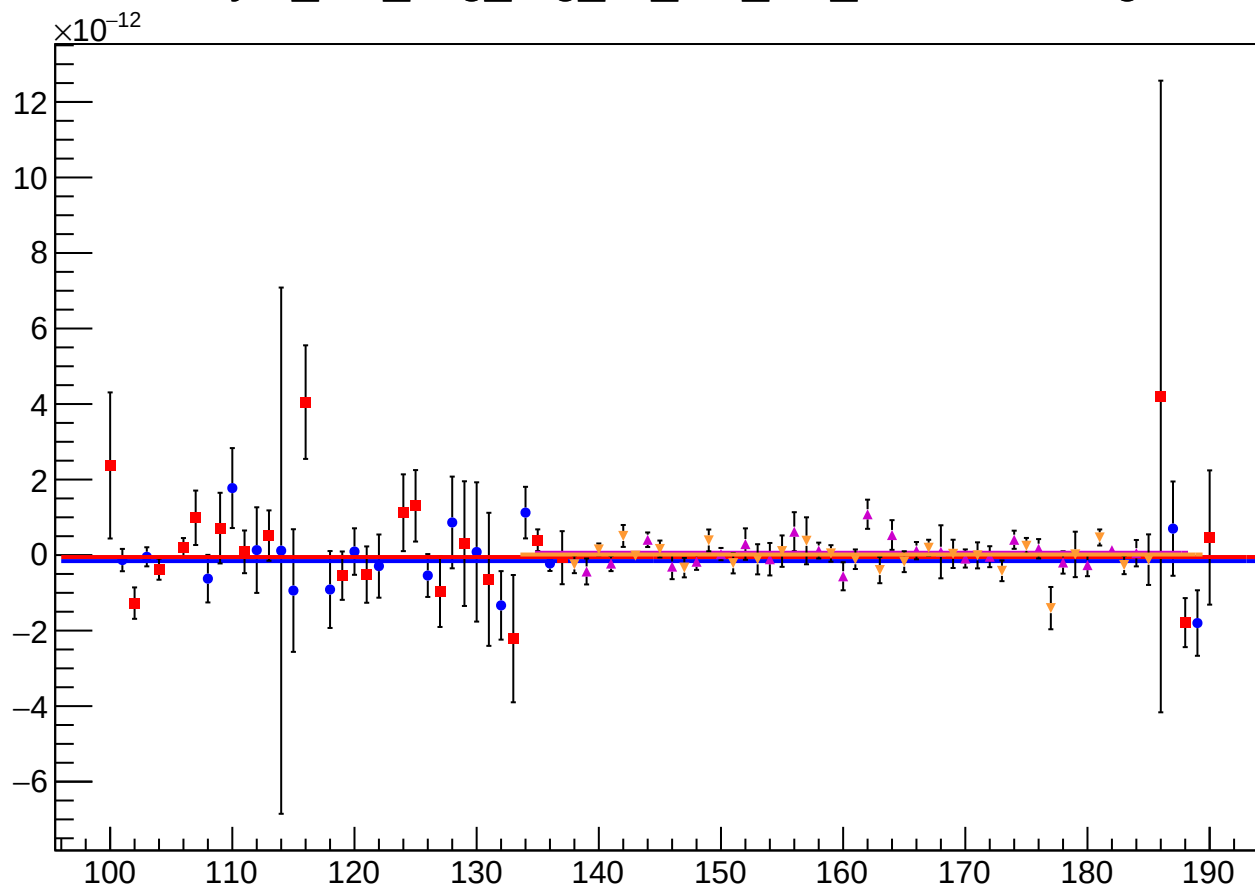
Left In: 9200.796+/-1.548 χ^2/NDF : 1129421.3/22

+ sign 8298.510+/-1.159 χ^2/NDF : 2843860.6/42

All: 8391.235+/-0.827 χ^2/NDF : 5562129.9/87

- sign 8487.352+/-1.180 χ^2/NDF : 2705241.6/44

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 40.5/21

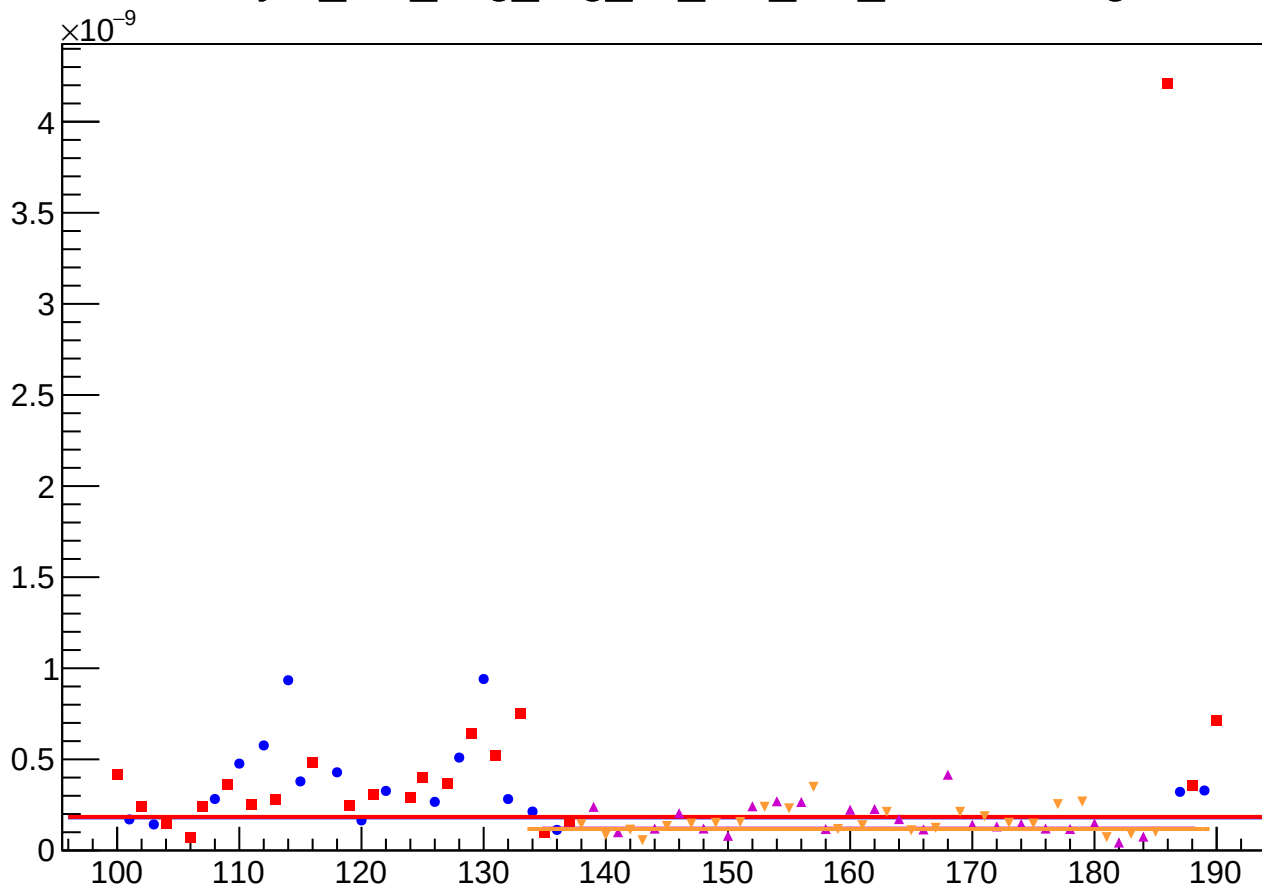
Left In: 0.000 ± 0.000 χ^2/NDF : 27.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 46.4/42

All: 0.000 ± 0.000 χ^2/NDF : 116.0/87

- sign 0.000 ± 0.000 χ^2/NDF : 69.0/44

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1615147.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2335885.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2433727.9/21

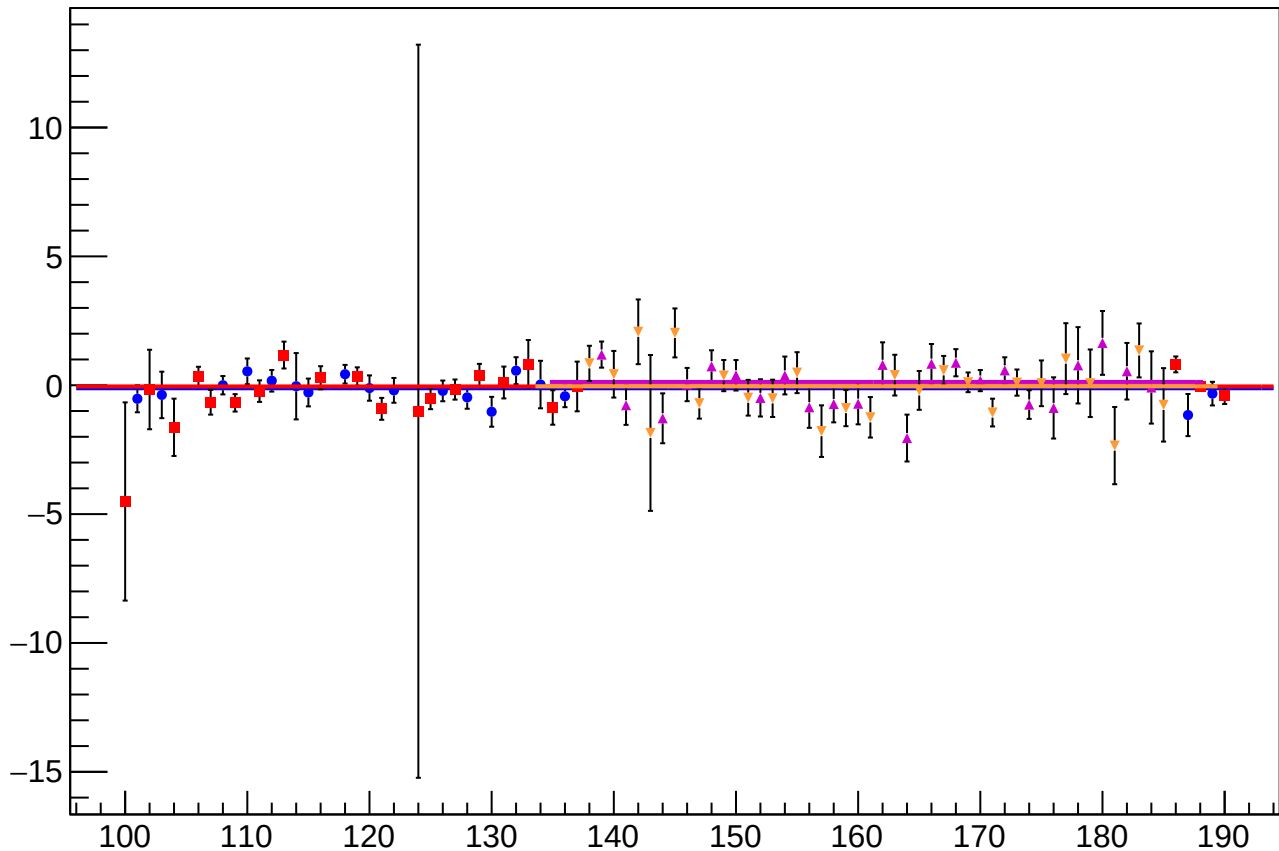
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2660632.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4452030.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10029130.7/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5573330.4/44

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.118 ± 0.117 χ^2/NDF : 12.7/17

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.046 ± 0.090 χ^2/NDF : 34.4/21

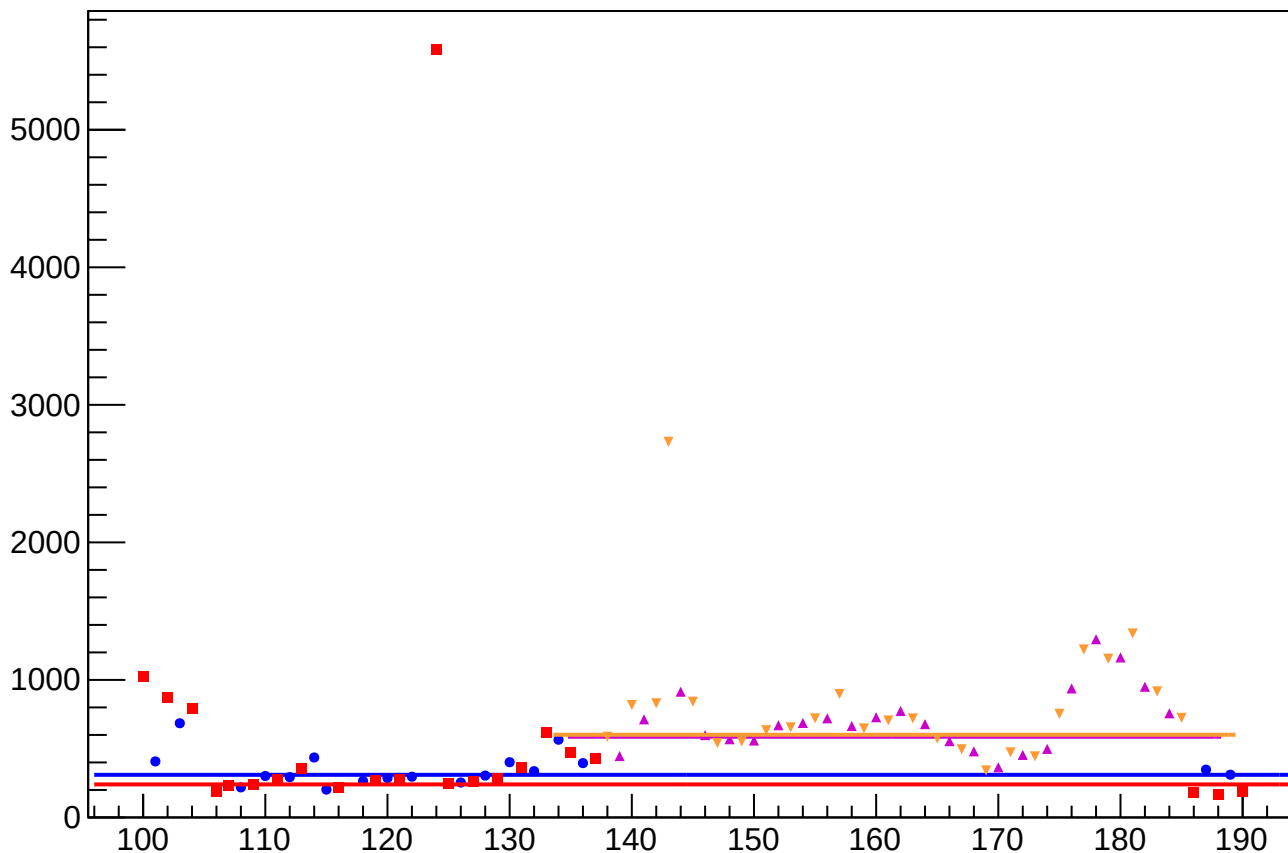
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.088 ± 0.091 χ^2/NDF : 43.0/42

All: -0.035 ± 0.059 χ^2/NDF : 108.0/87

- sign 0.003 ± 0.077 χ^2/NDF : 64.5/44

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.994+/-0.082 χ^2/NDF : 1018967.5/17

Left Out: 601.214+/-0.104 χ^2/NDF : 4460456.7/24

Right Out: 240.230+/-0.064 χ^2/NDF : 2569258.5/21

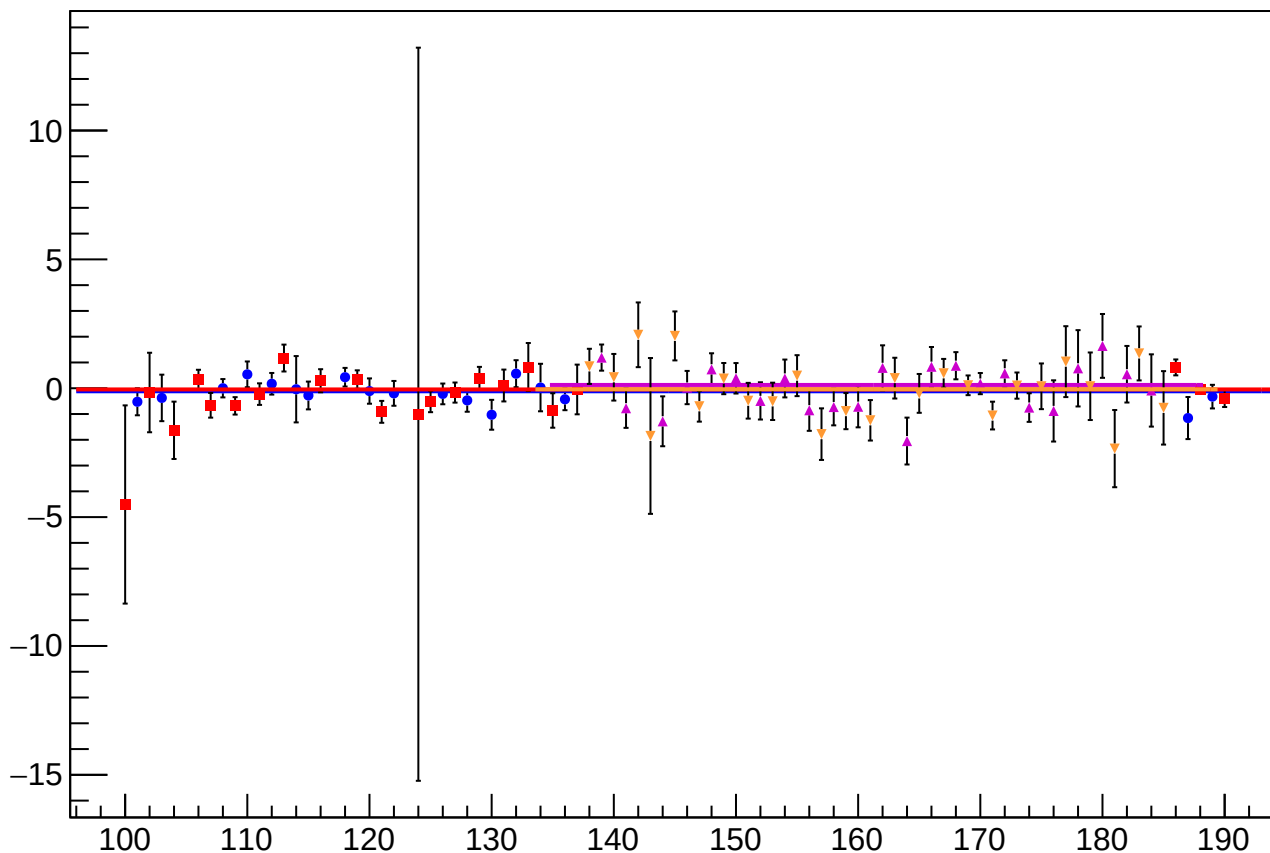
Left In: 586.817+/-0.103 χ^2/NDF : 2934488.2/22

+ sign 421.935+/-0.065 χ^2/NDF : 10277857.3/42

All: 372.176+/-0.042 χ^2/NDF : 25000548.5/87

- sign 337.117+/-0.054 χ^2/NDF : 13713587.8/44

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.118 ± 0.117 χ^2/NDF : 12.7/17

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.046 ± 0.090 χ^2/NDF : 34.4/21

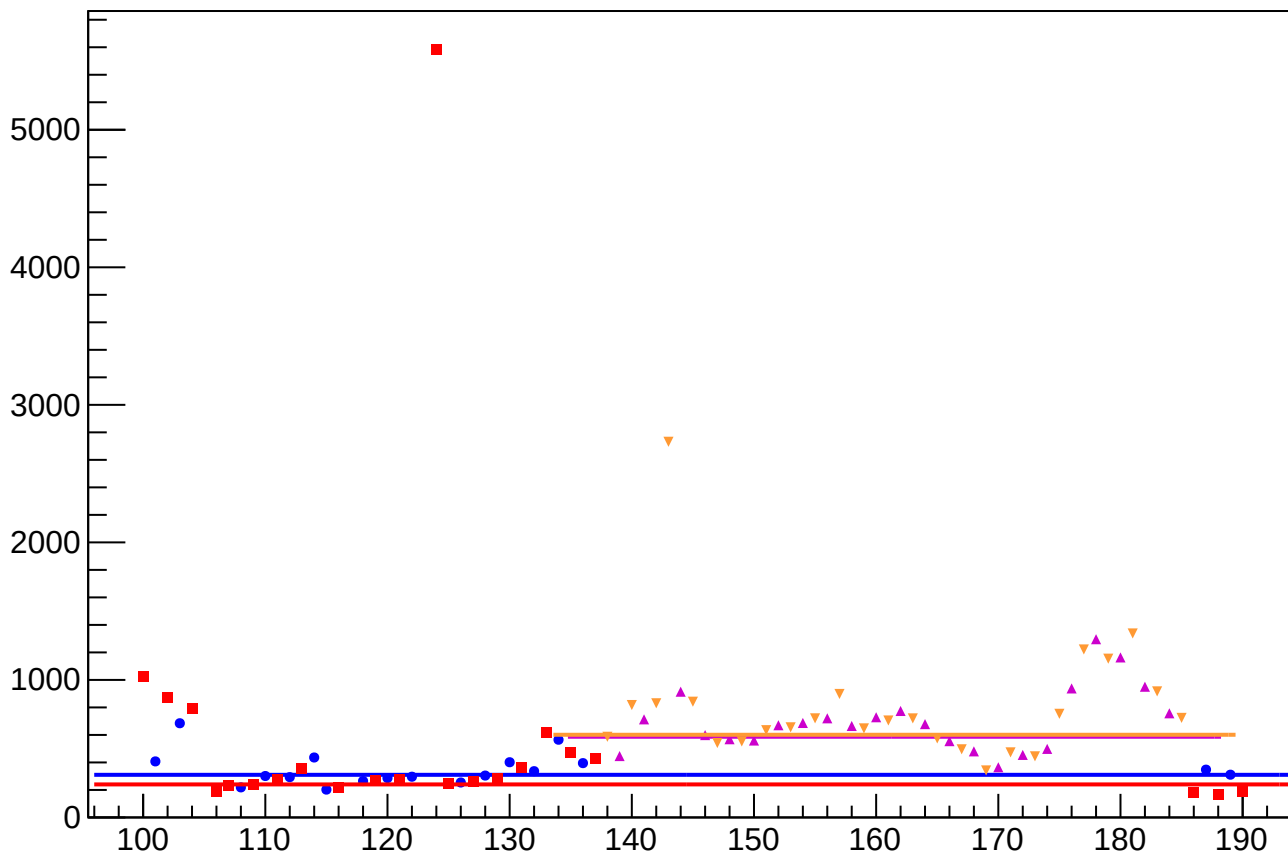
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.088 ± 0.091 χ^2/NDF : 43.0/42

All: -0.035 ± 0.059 χ^2/NDF : 108.0/87

- sign 0.003 ± 0.077 χ^2/NDF : 64.5/44

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.994 $\pm$ 0.082 χ^2 /NDF: 1018967.5/17

Left Out: 601.214 $\pm$ 0.104 χ^2 /NDF: 4460456.7/24

Right Out: 240.230 $\pm$ 0.064 χ^2 /NDF: 2569258.5/21

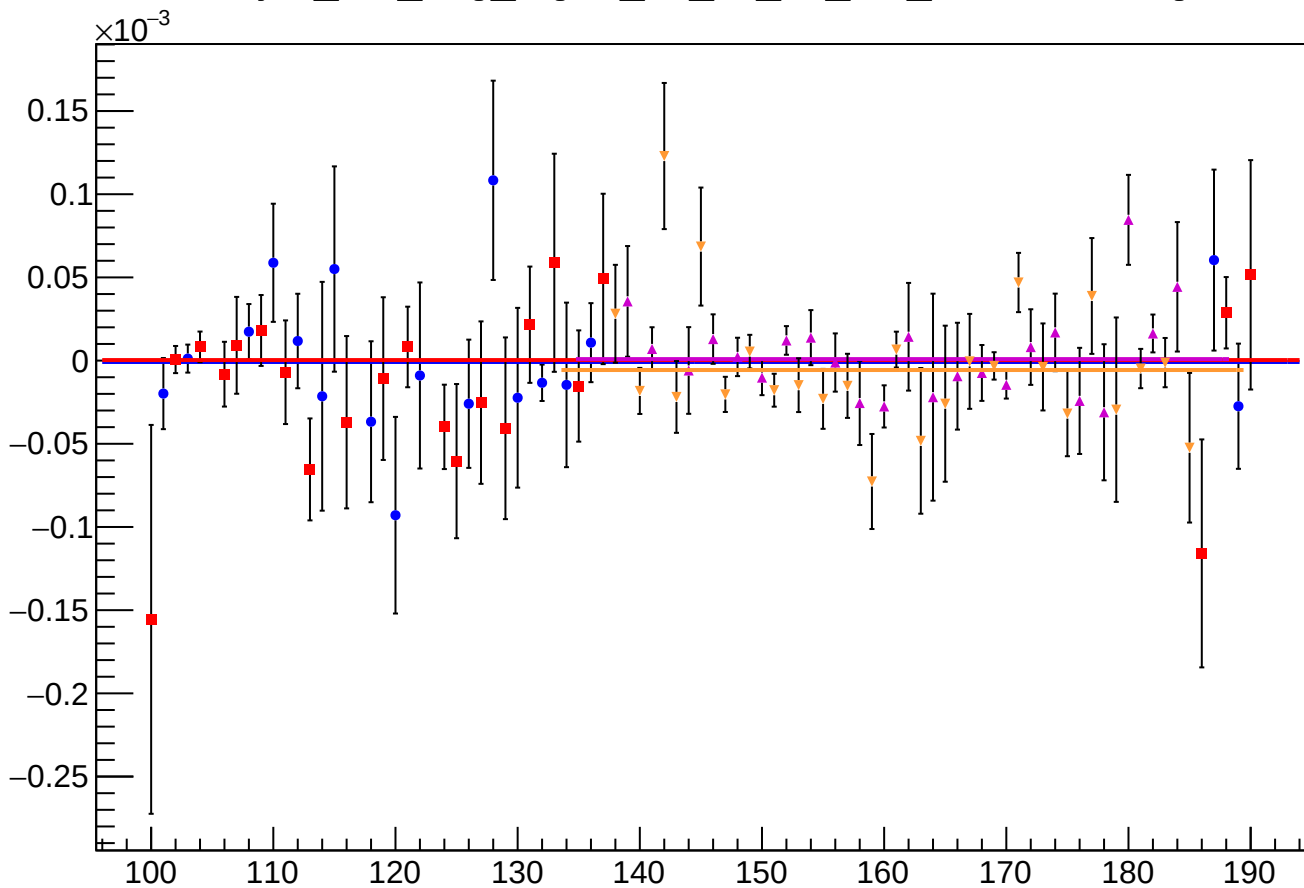
Left In: 586.817 $\pm$ 0.103 χ^2 /NDF: 2934488.2/22

+ sign 421.935 $\pm$ 0.065 χ^2 /NDF: 10277857.3/42

All: 372.176 $\pm$ 0.042 χ^2 /NDF: 25000548.5/87

- sign 337.117 $\pm$ 0.054 χ^2 /NDF: 13713587.8/44

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.3/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.6/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.4/21

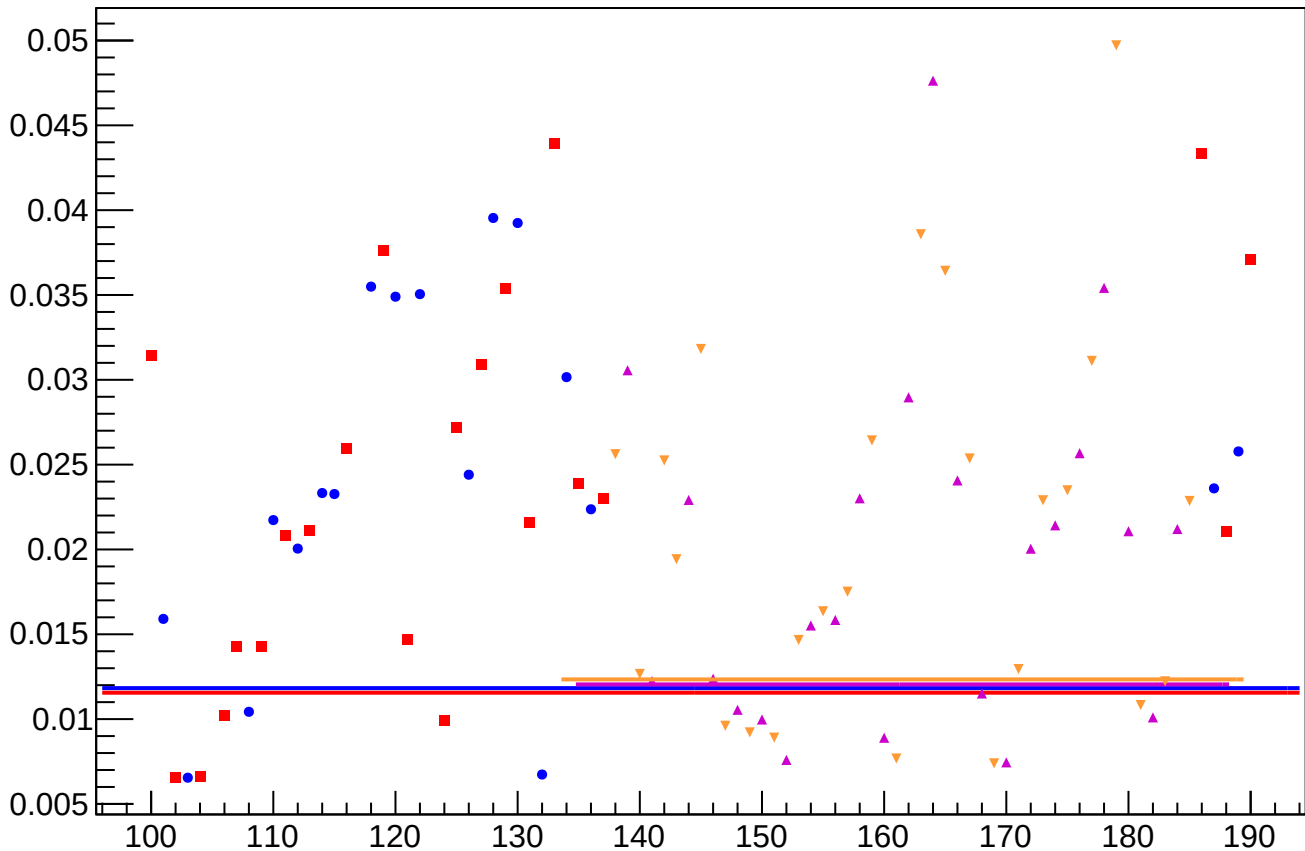
Left In: 0.000 ± 0.000 χ^2/NDF : 30.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 59.5/42

All: -0.000 ± 0.000 χ^2/NDF : 112.8/87

- sign 0.000 ± 0.000 χ^2/NDF : 51.6/44

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 5079549.2/17

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 7839123.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 5619367.7/21

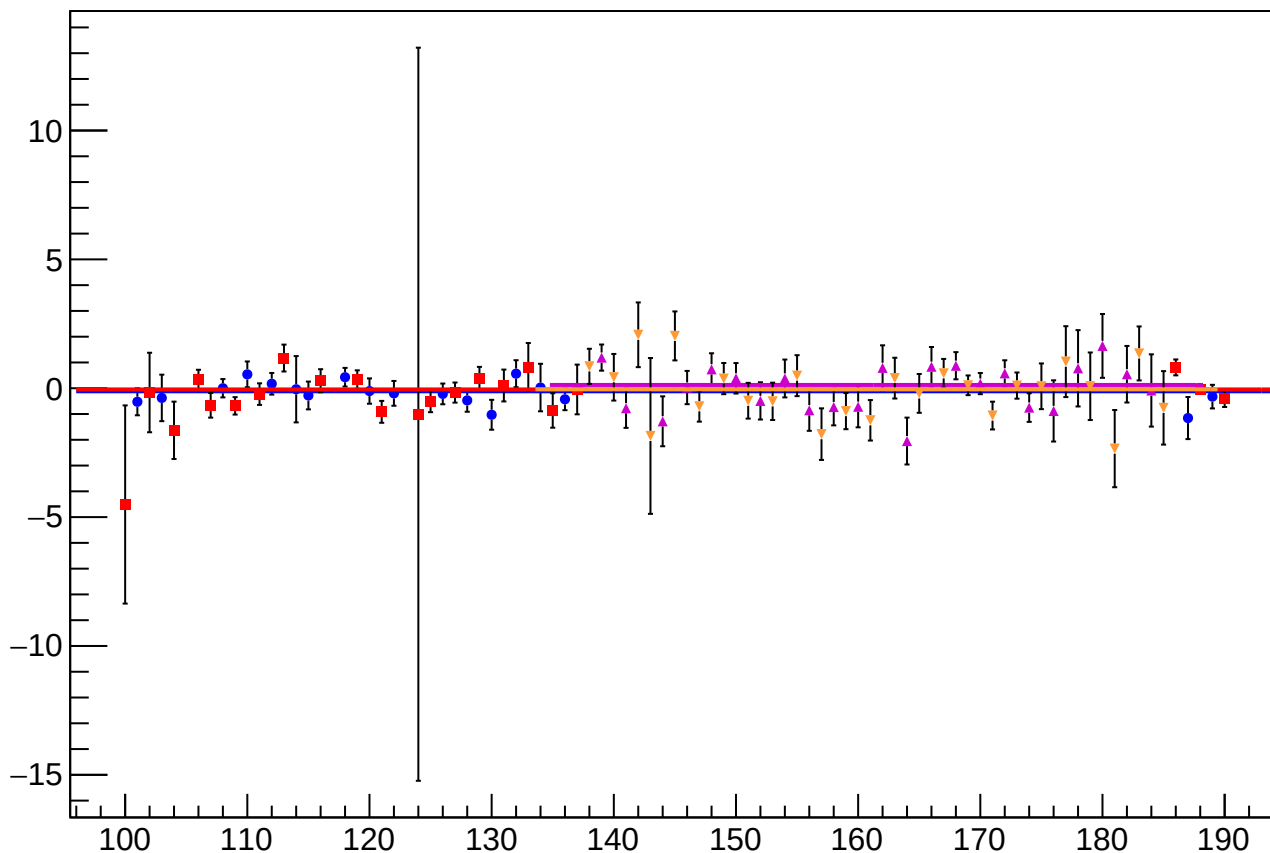
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 6379401.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 12932537.3/42

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 24958921.8/87

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 12013272.2/44

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.118 ± 0.117 χ^2/NDF : 12.7/17

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.046 ± 0.090 χ^2/NDF : 34.4/21

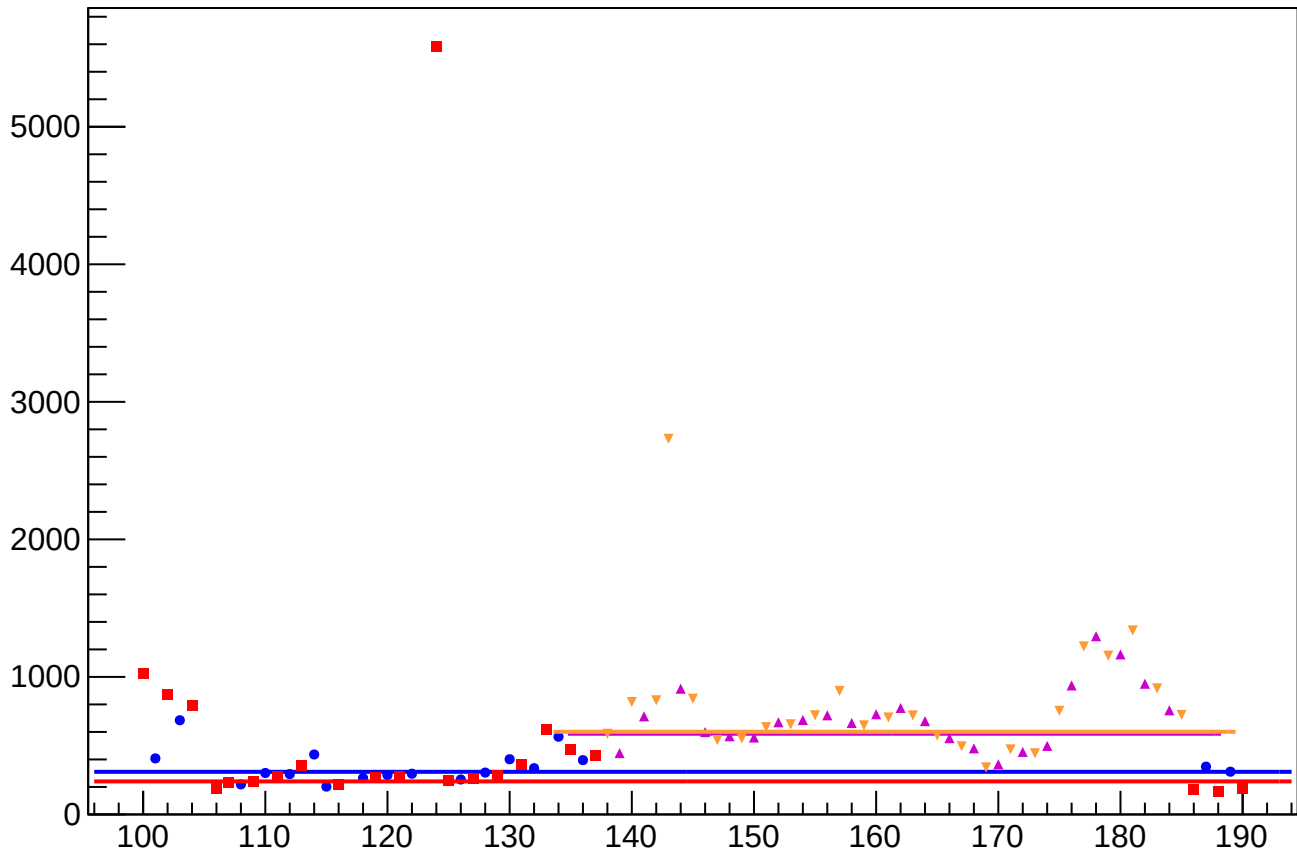
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.088 ± 0.091 χ^2/NDF : 43.0/42

All: -0.035 ± 0.059 χ^2/NDF : 108.0/87

- sign 0.003 ± 0.077 χ^2/NDF : 64.5/44

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.992 ± 0.082 χ^2/NDF : 1018935.9/17

Left Out: 601.214 ± 0.104 χ^2/NDF : 4460662.1/24

Right Out: 240.224 ± 0.064 χ^2/NDF : 2569392.4/21

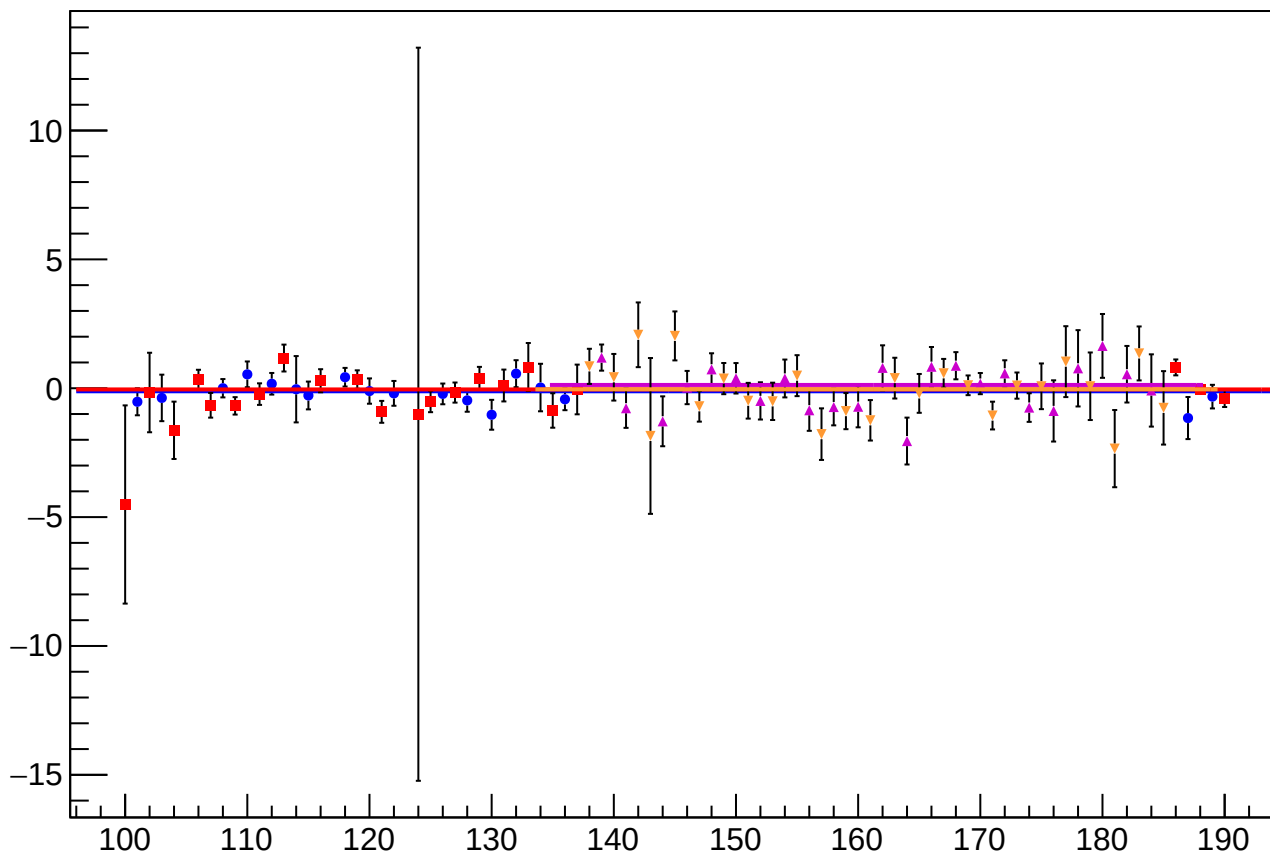
Left In: 586.820 ± 0.103 χ^2/NDF : 2934613.3/22

+ sign 421.933 ± 0.065 χ^2/NDF : 10278085.3/42

All: 372.170 ± 0.042 χ^2/NDF : 25001679.9/87

- sign 337.109 ± 0.054 χ^2/NDF : 13714327.6/44

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.118 ± 0.117 χ^2/NDF : 12.7/17

Left Out: -0.041 ± 0.148 χ^2/NDF : 30.1/24

Right Out: -0.046 ± 0.090 χ^2/NDF : 34.4/21

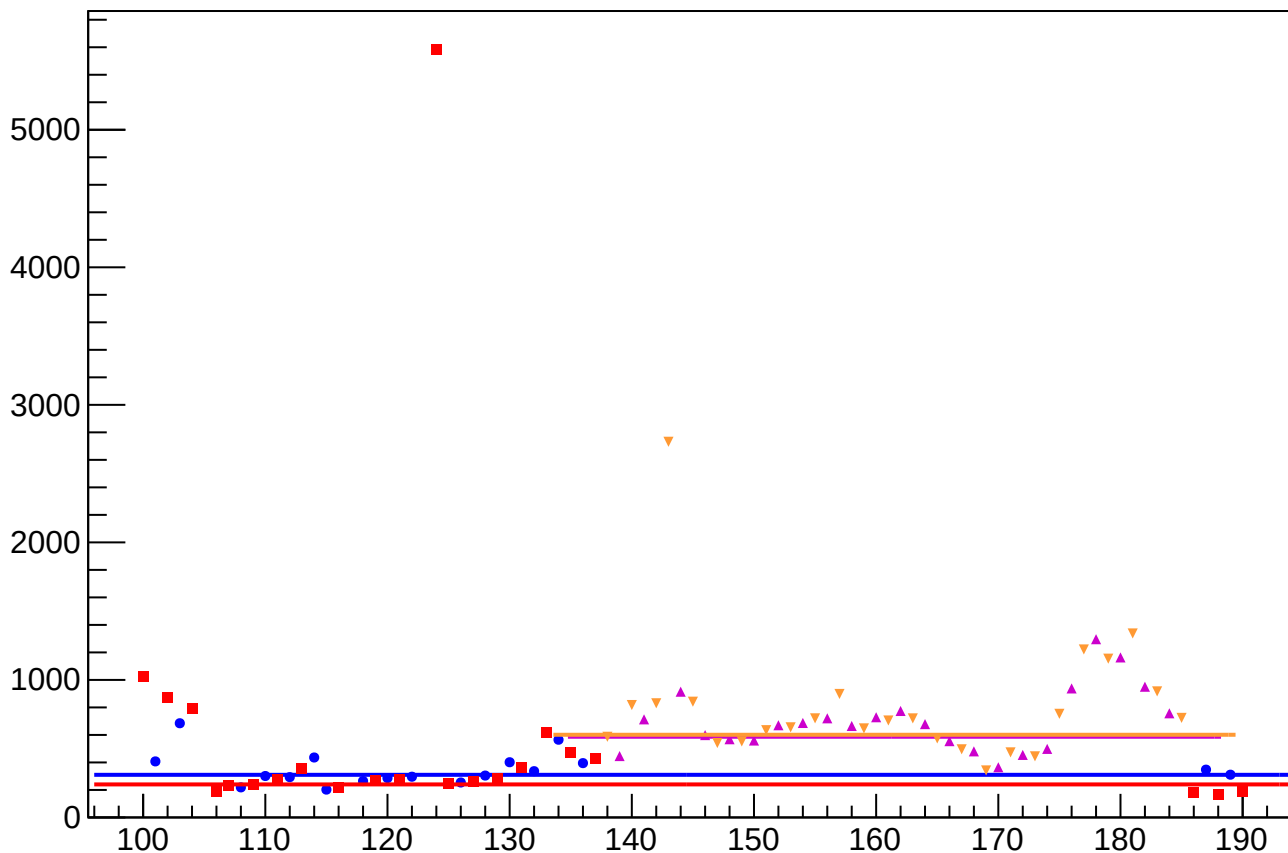
Left In: 0.128 ± 0.145 χ^2/NDF : 29.0/22

+ sign -0.088 ± 0.091 χ^2/NDF : 43.0/42

All: -0.035 ± 0.059 χ^2/NDF : 108.0/87

- sign 0.003 ± 0.077 χ^2/NDF : 64.5/44

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.992 $\pm$ 0.082 χ^2 /NDF: 1018935.9/17

Left Out: 601.214 $\pm$ 0.104 χ^2 /NDF: 4460662.1/24

Right Out: 240.224 $\pm$ 0.064 χ^2 /NDF: 2569392.4/21

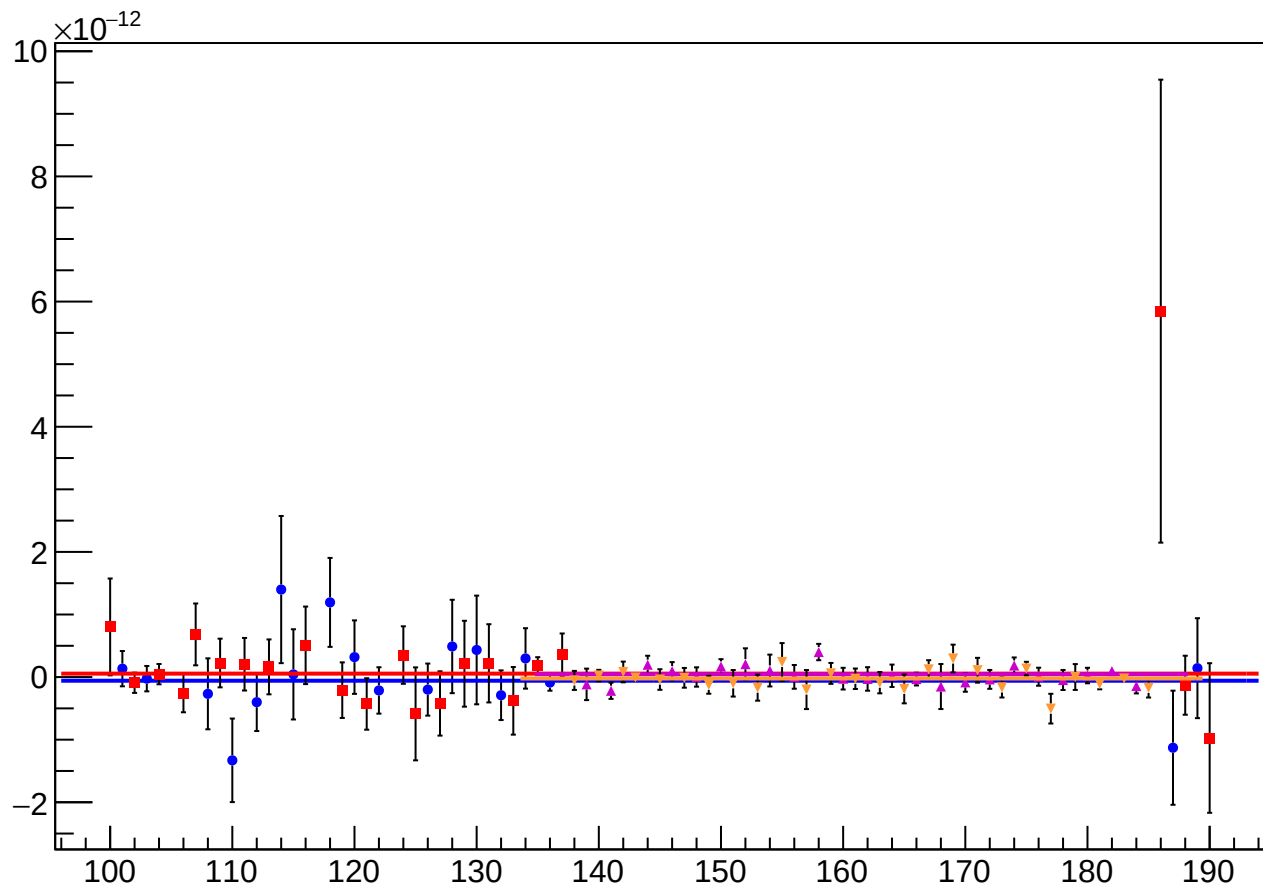
Left In: 586.820 $\pm$ 0.103 χ^2 /NDF: 2934613.3/22

+ sign 421.933 $\pm$ 0.065 χ^2 /NDF: 10278085.3/42

All: 372.170 $\pm$ 0.042 χ^2 /NDF: 25001679.9/87

- sign 337.109 $\pm$ 0.054 χ^2 /NDF: 13714327.6/44

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.4/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.8/21

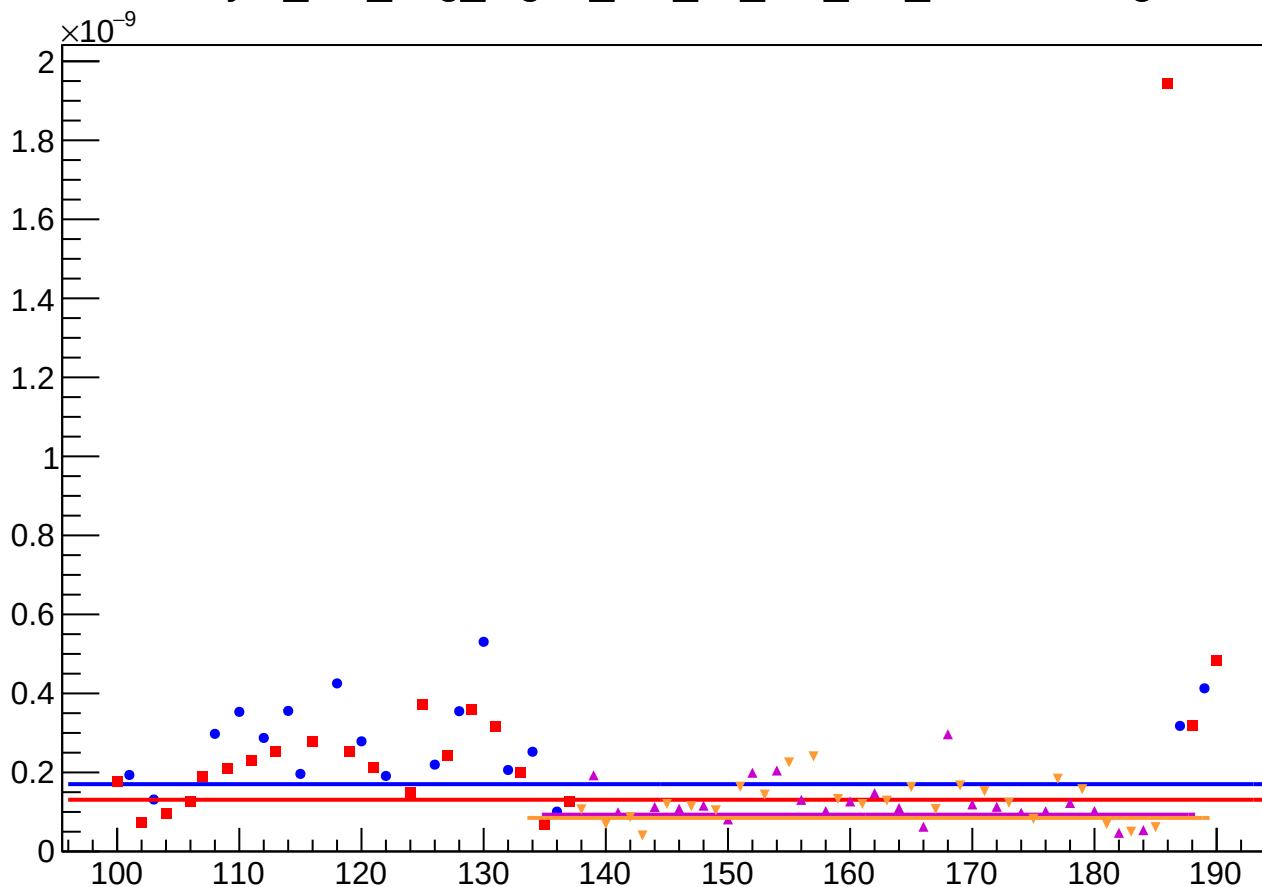
Left In: 0.000 ± 0.000 χ^2/NDF : 22.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 29.9/42

All: 0.000 ± 0.000 χ^2/NDF : 70.7/87

- sign 0.000 ± 0.000 χ^2/NDF : 36.8/44

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2225516.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 5379905.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 3197542.5/21

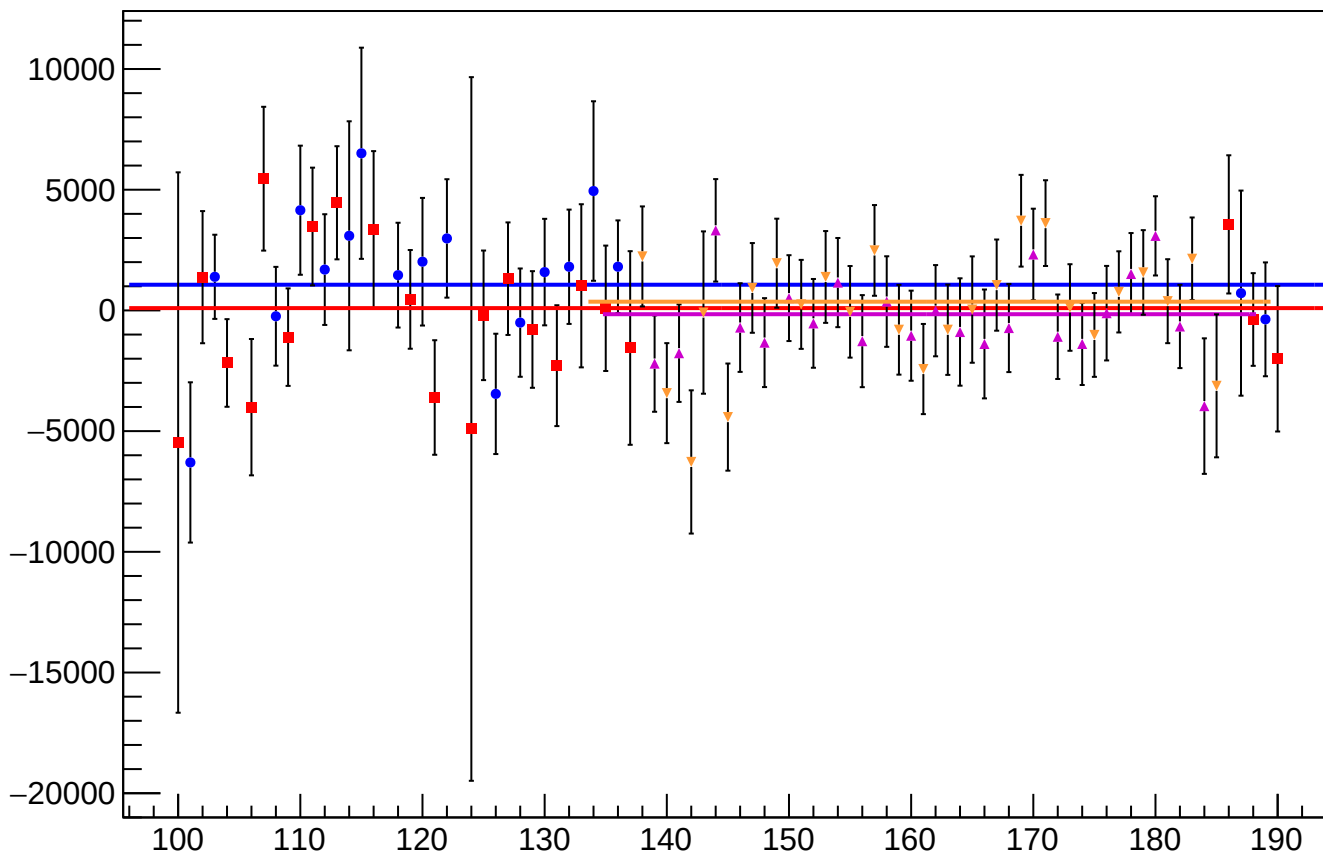
Left In: 0.000 ± 0.000 χ^2/NDF : 3869234.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 9508041.7/42

All: 0.000 ± 0.000 χ^2/NDF : 17140497.9/87

- sign 0.000 ± 0.000 χ^2/NDF : 7575204.9/44

reg_asym_at2_dd_mean vs Slug



Right In: 1064.058 ± 584.202 χ^2/NDF : 14.8/17

Left Out: 361.645 ± 388.131 χ^2/NDF : 29.6/24

Right Out: 95.488 ± 554.653 χ^2/NDF : 20.3/21

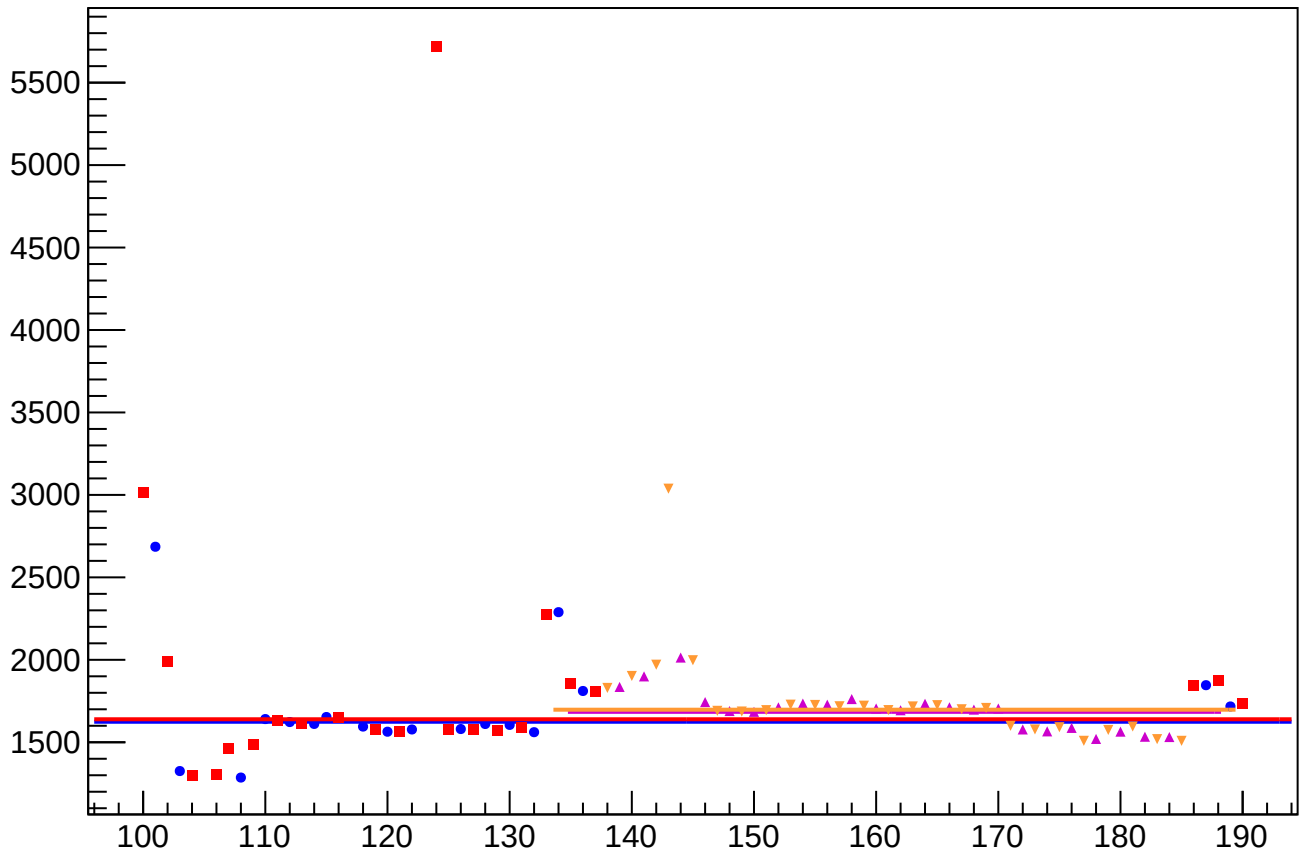
Left In: -157.028 ± 394.257 χ^2/NDF : 16.0/22

+ sign 576.745 ± 323.286 χ^2/NDF : 45.4/42

All: 250.286 ± 227.909 χ^2/NDF : 83.9/87

- sign -72.267 ± 321.347 χ^2/NDF : 36.5/44

reg_asym_at2_dd_rms vs Slug



Right In: 1624.423+/-0.413 χ^2/NDF : 413854.6/17

Left Out: 1697.496+/-0.274 χ^2/NDF : 495397.9/24

Right Out: 1639.508+/-0.392 χ^2/NDF : 475015.6/21

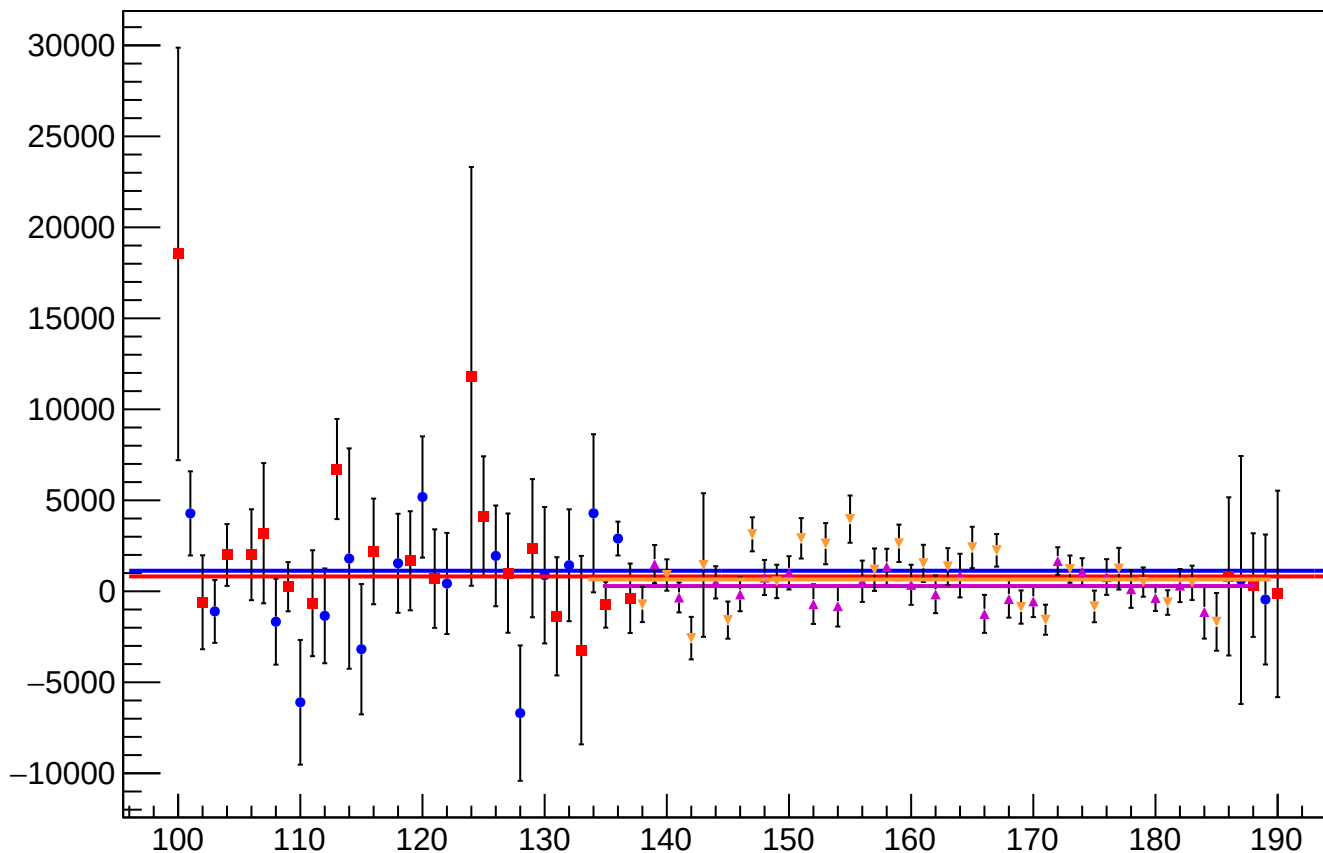
Left In: 1684.577+/-0.279 χ^2/NDF : 165355.7/22

+ sign 1675.119+/-0.229 χ^2/NDF : 930961.0/42

All: 1672.267+/-0.161 χ^2/NDF : 1580414.1/87

- sign 1669.449+/-0.227 χ^2/NDF : 649143.7/44

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1130.237 $\pm$ 569.593 χ^2 /NDF: 22.2/17

Left Out: 649.165 $\pm$ 195.671 χ^2 /NDF: 65.5/24

Right Out: 816.462 $\pm$ 540.308 χ^2 /NDF: 14.3/21

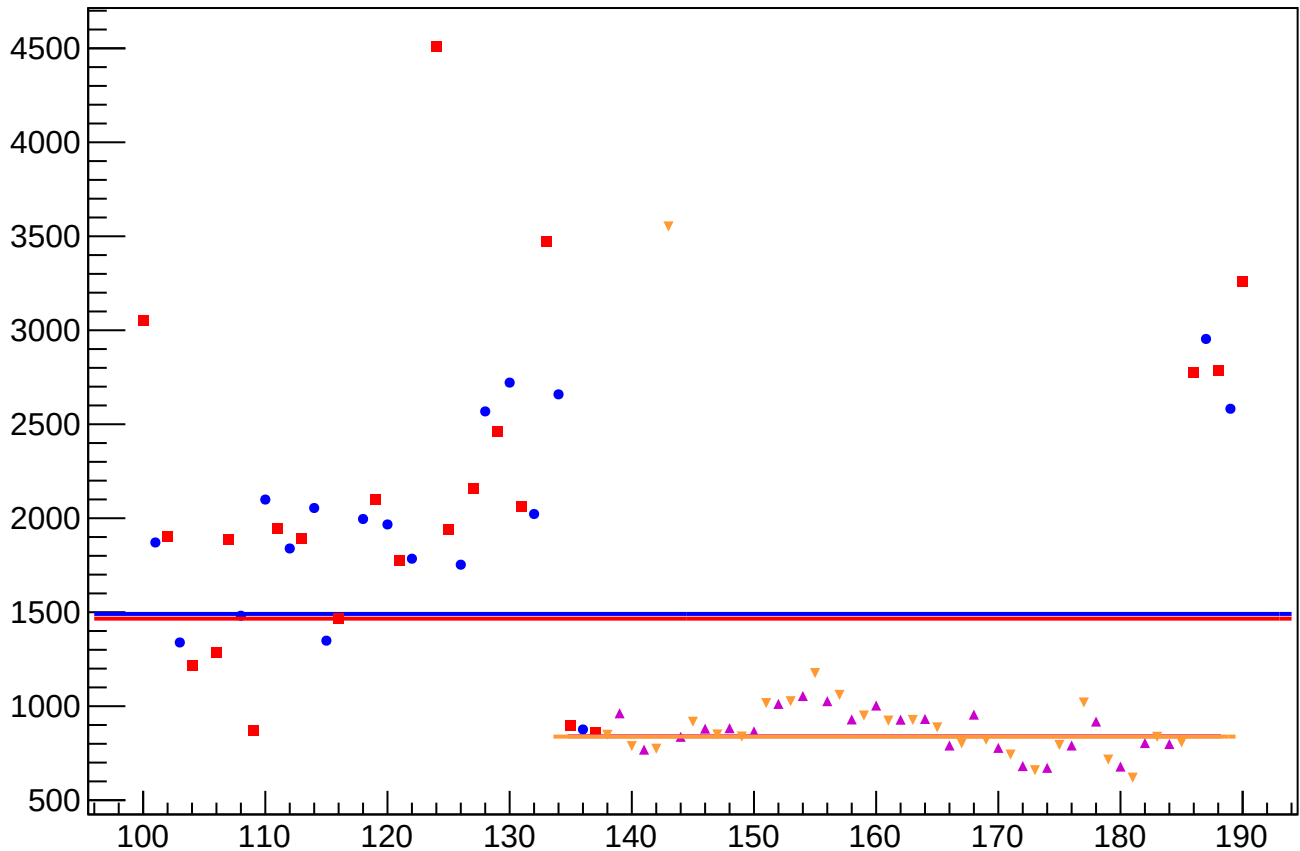
Left In: 288.616 $\pm$ 198.494 χ^2 /NDF: 16.6/22

+ sign 699.944 $\pm$ 185.056 χ^2 /NDF: 88.4/42

All: 526.849 $\pm$ 131.298 χ^2 /NDF: 121.8/87

- sign 351.384 $\pm$ 186.319 χ^2 /NDF: 31.7/44

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1490.906 $\pm$ 0.403 χ^2 /NDF: 2079139.6/17

Left Out: 838.243 $\pm$ 0.138 χ^2 /NDF:1800245.5/24

Right Out: 1465.917 $\pm$ 0.382 χ^2 /NDF: 2994916.1/21

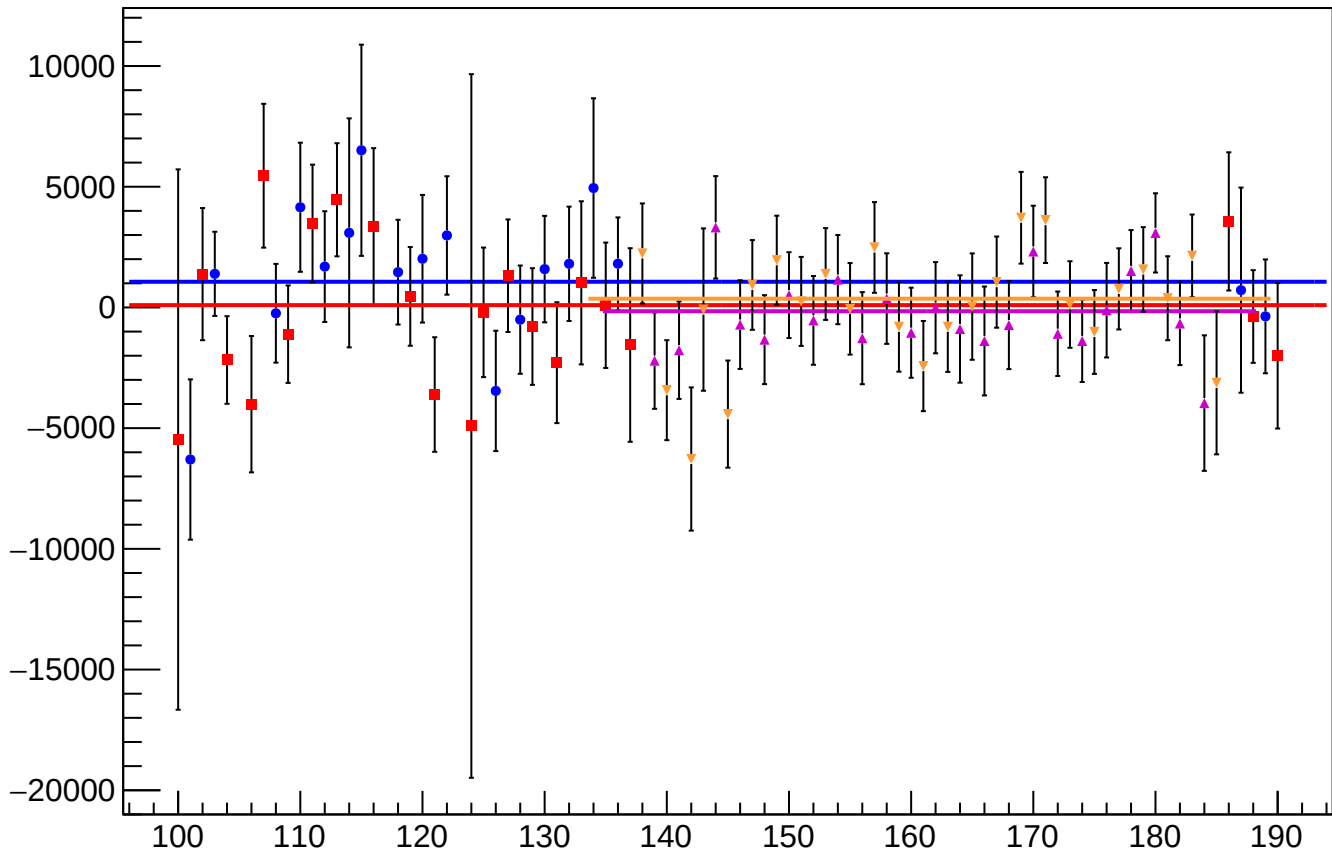
Left In: 839.976 $\pm$ 0.140 χ^2 /NDF:669341.7/22

+ sign 907.134 $\pm$ 0.131 χ^2 /NDF: 6228115.1/42

All: 910.747 $\pm$ 0.093 χ^2 /NDF: 12258912.8/87

- sign 914.409 $\pm$ 0.132 χ^2 /NDF: 6029262.8/44

cor_asym_at2_dd_mean vs Slug



Right In: 1063.963 ± 584.202 χ^2/NDF : 14.8/17

Left Out: 361.560 ± 388.131 χ^2/NDF : 29.6/24

Right Out: 95.766 ± 554.653 χ^2/NDF : 20.3/21

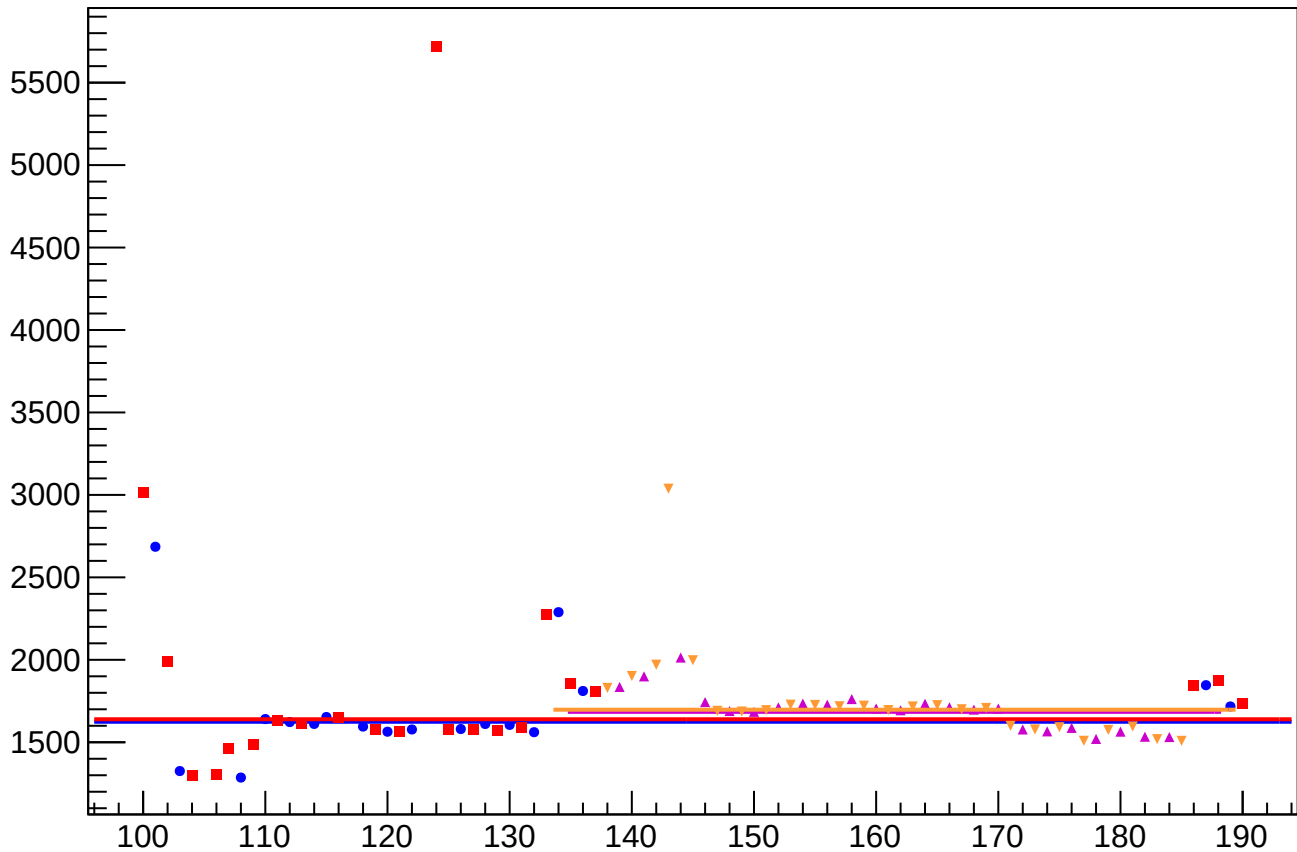
Left In: -156.934 ± 394.258 χ^2/NDF : 16.0/22

+ sign 576.657 ± 323.286 χ^2/NDF : 45.4/42

All: 250.321 ± 227.909 χ^2/NDF : 83.9/87

- sign -72.112 ± 321.347 χ^2/NDF : 36.5/44

cor_asym_at2_dd_rms vs Slug



Right In: 1624.423+/-0.413 χ^2/NDF : 413854.9/17

Left Out: 1697.496+/-0.274 χ^2/NDF : 495397.9/24

Right Out: 1639.508+/-0.392 χ^2/NDF : 475015.6/21

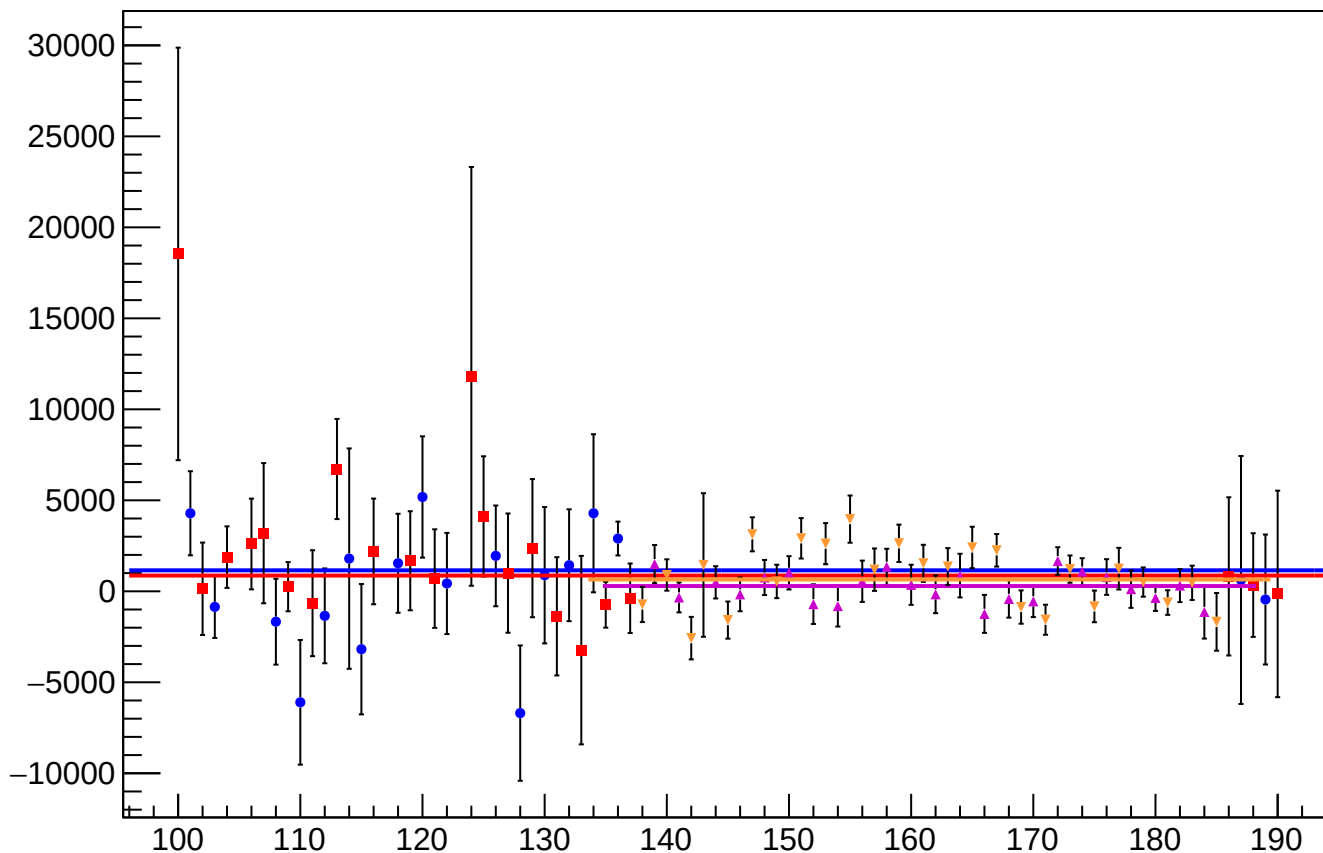
Left In: 1684.577+/-0.279 χ^2/NDF : 165355.7/22

+ sign 1675.118+/-0.229 χ^2/NDF : 930961.3/42

All: 1672.267+/-0.161 χ^2/NDF : 1580414.5/87

- sign 1669.449+/-0.227 χ^2/NDF : 649143.8/44

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1152.469 $\pm$ 568.811 χ^2 /NDF: 21.9/17

Left Out: 649.165 $\pm$ 195.673 χ^2 /NDF: 65.5/24

Right Out: 865.032 $\pm$ 539.605 χ^2 /NDF: 14.3/21

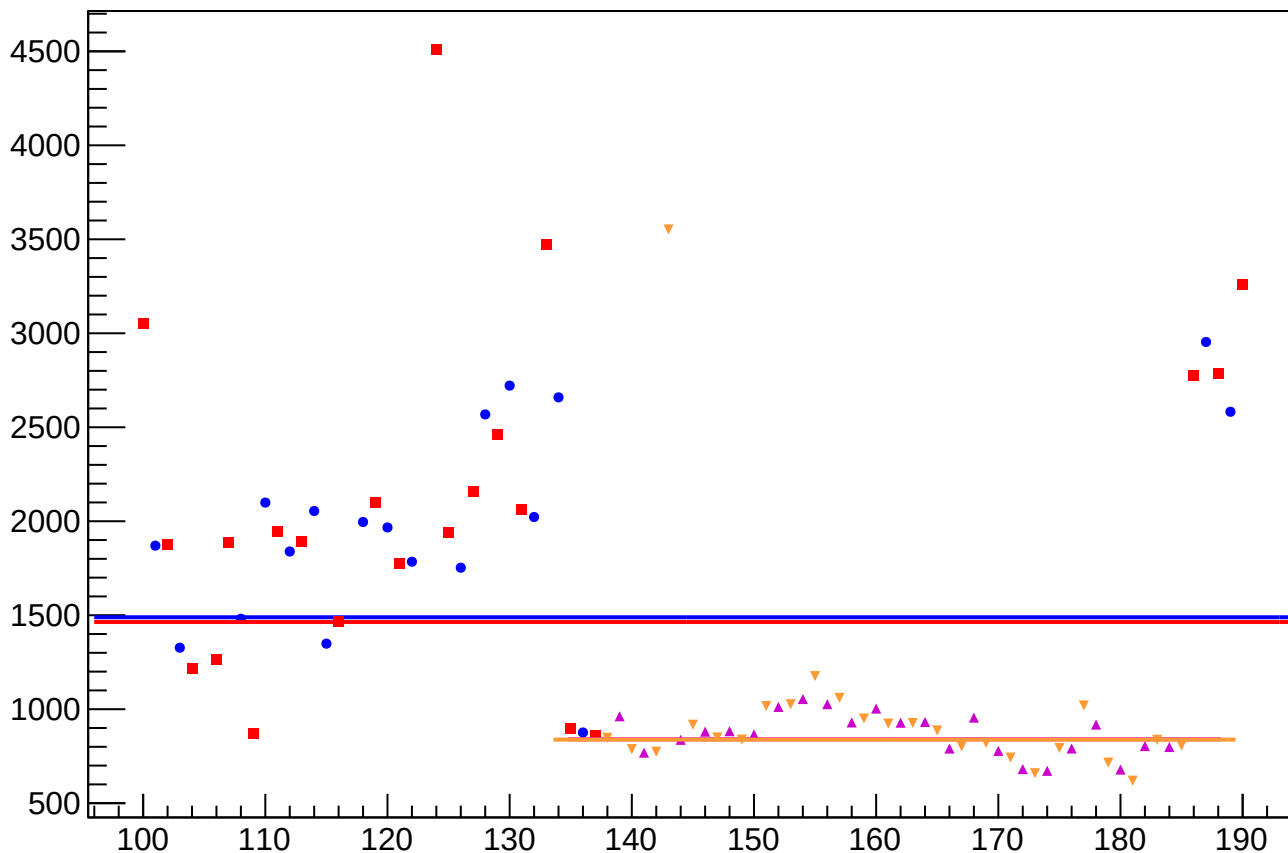
Left In: 288.602 $\pm$ 198.495 χ^2 /NDF: 16.6/22

+ sign 702.422 $\pm$ 185.031 χ^2 /NDF: 88.1/42

All: 531.034 $\pm$ 131.280 χ^2 /NDF: 121.7/87

- sign 357.305 $\pm$ 186.290 χ^2 /NDF: 31.8/44

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1489.161+/-0.402 χ^2/NDF : 2081793.8/17

Left Out: 838.254+/-0.138 χ^2/NDF :1800138.0/24

Right Out: 1463.774+/-0.382 χ^2/NDF : 2993047.7/21

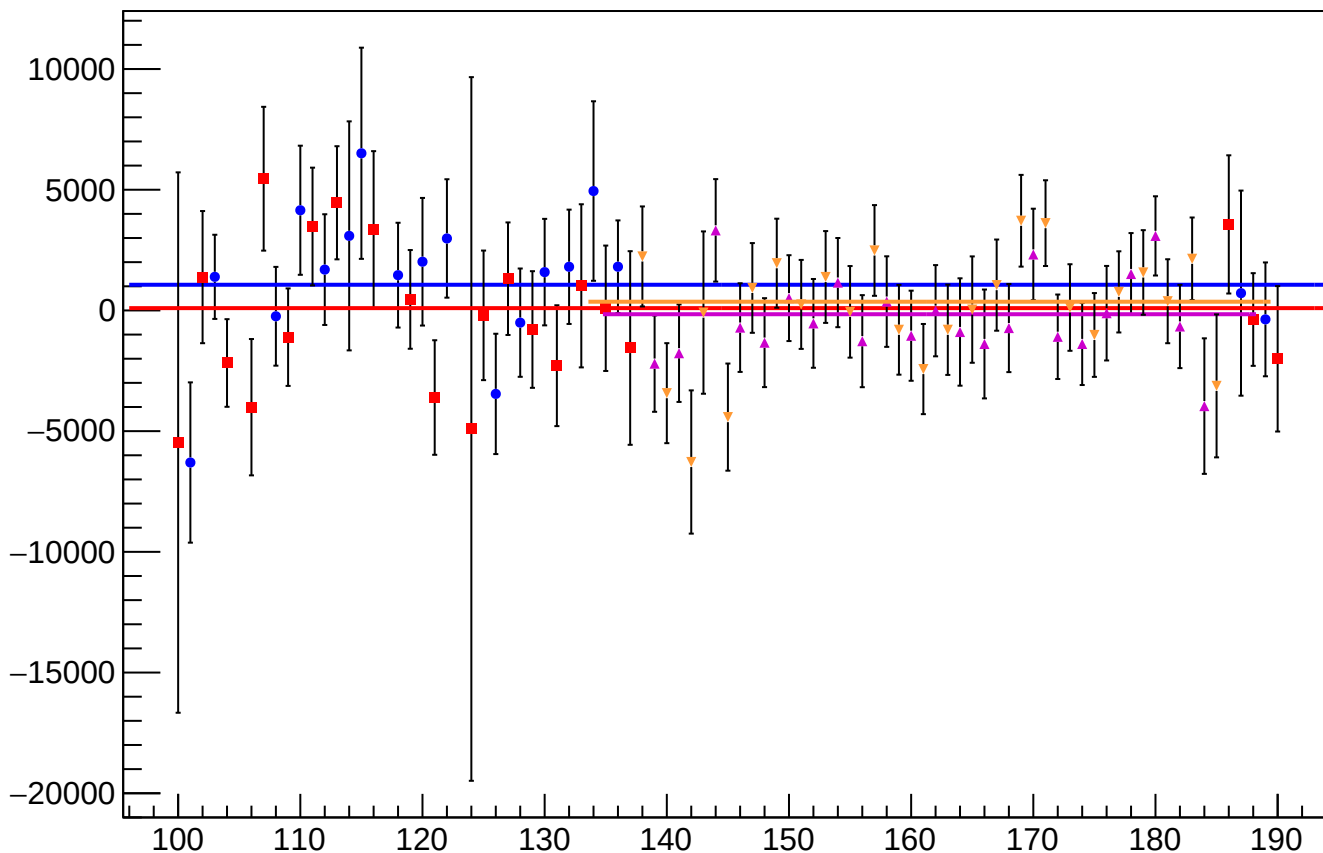
Left In: 839.978+/-0.140 χ^2/NDF :669338.3/22

+ sign 907.130+/-0.131 χ^2/NDF : 6223776.4/42

All: 910.704+/-0.093 χ^2/NDF : 12241885.6/87

- sign 914.327+/-0.132 χ^2/NDF : 6016606.8/44

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1063.963 ± 584.202 χ^2/NDF : 14.8/17

Left Out: 361.560 ± 388.131 χ^2/NDF : 29.6/24

Right Out: 95.766 ± 554.653 χ^2/NDF : 20.3/21

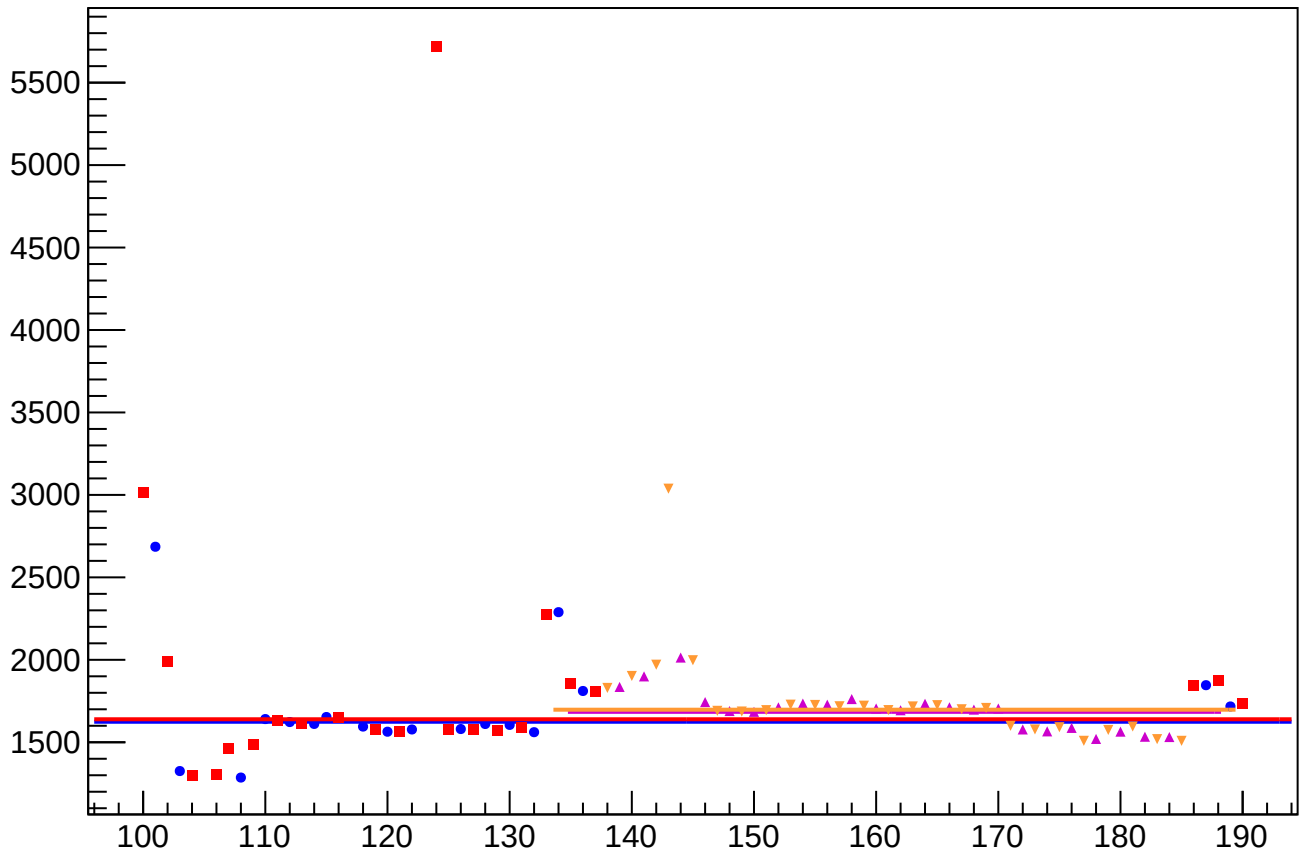
Left In: -156.934 ± 394.258 χ^2/NDF : 16.0/22

+ sign 576.657 ± 323.286 χ^2/NDF : 45.4/42

All: 250.321 ± 227.909 χ^2/NDF : 83.9/87

- sign -72.112 ± 321.347 χ^2/NDF : 36.5/44

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1624.423 ± 0.413 χ^2/NDF : 413854.9/17

Left Out: 1697.496 ± 0.274 χ^2/NDF : 495397.9/24

Right Out: 1639.508 ± 0.392 χ^2/NDF : 475015.6/21

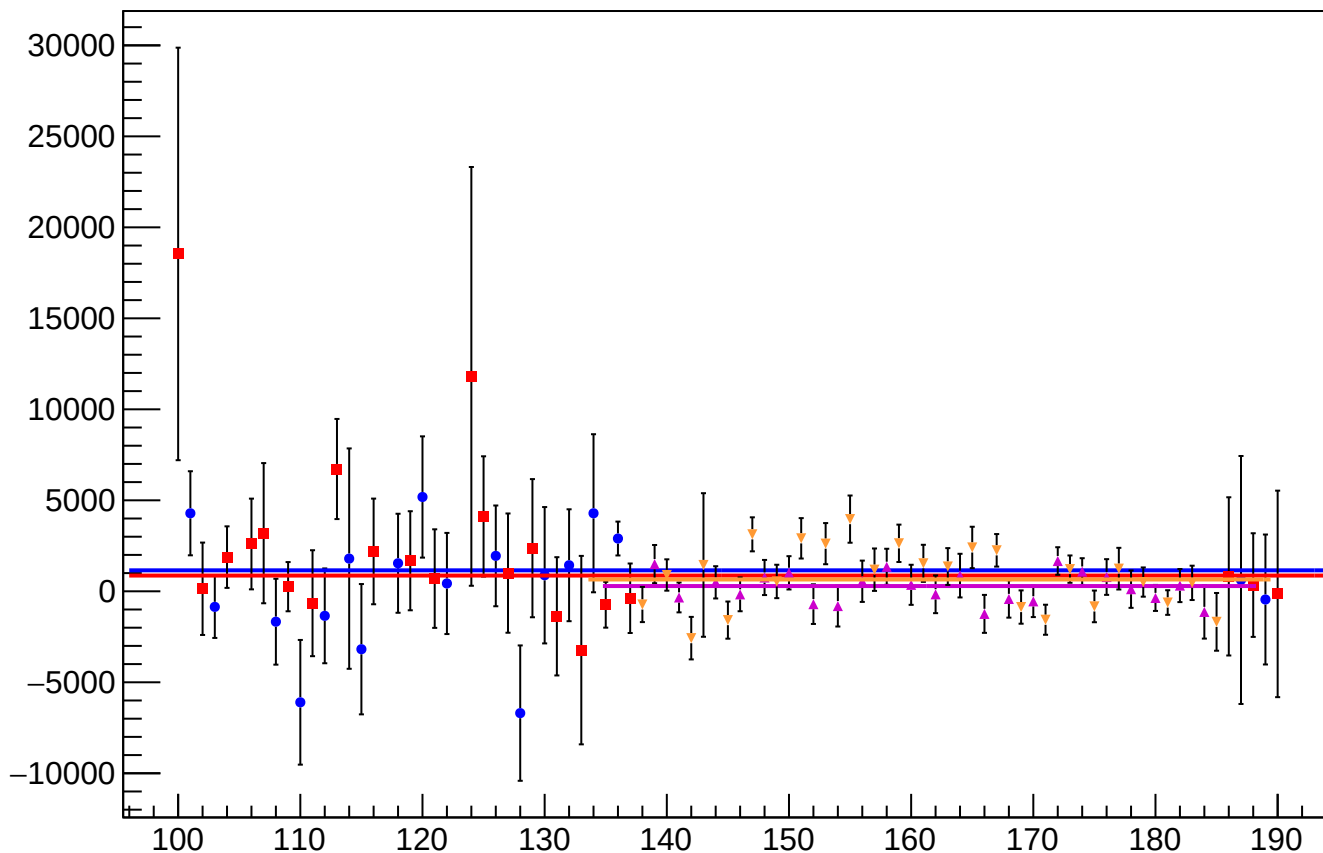
Left In: 1684.577 ± 0.279 χ^2/NDF : 165355.7/22

+ sign 1675.118 ± 0.229 χ^2/NDF : 930961.3/42

All: 1672.267 ± 0.161 χ^2/NDF : 1580414.5/87

- sign 1669.449 ± 0.227 χ^2/NDF : 649143.8/44

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1152.469 $\pm$ 568.811 χ^2 /NDF: 21.9/17

Left Out: 649.165 $\pm$ 195.673 χ^2 /NDF: 65.5/24

Right Out: 865.032 $\pm$ 539.605 χ^2 /NDF: 14.3/21

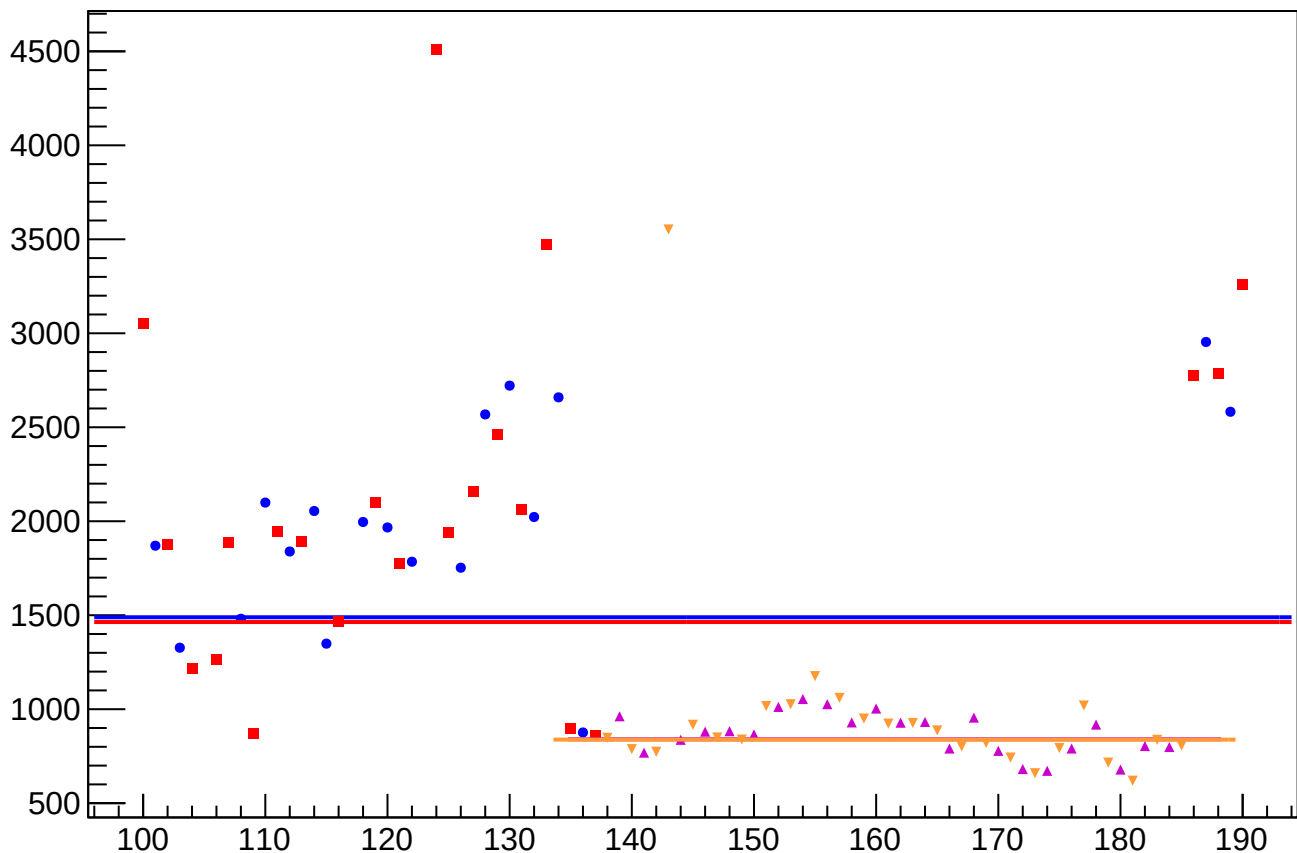
Left In: 288.602 $\pm$ 198.495 χ^2 /NDF: 16.6/22

+ sign 702.422 $\pm$ 185.031 χ^2 /NDF: 88.1/42

All: 531.034 $\pm$ 131.280 χ^2 /NDF: 121.7/87

- sign 357.305 $\pm$ 186.290 χ^2 /NDF: 31.8/44

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1489.161+/-0.402 χ^2/NDF : 2081793.8/17

Left Out: 838.254+/-0.138 χ^2/NDF : 1800138.0/24

Right Out: 1463.774+/-0.382 χ^2/NDF : 2993047.7/21

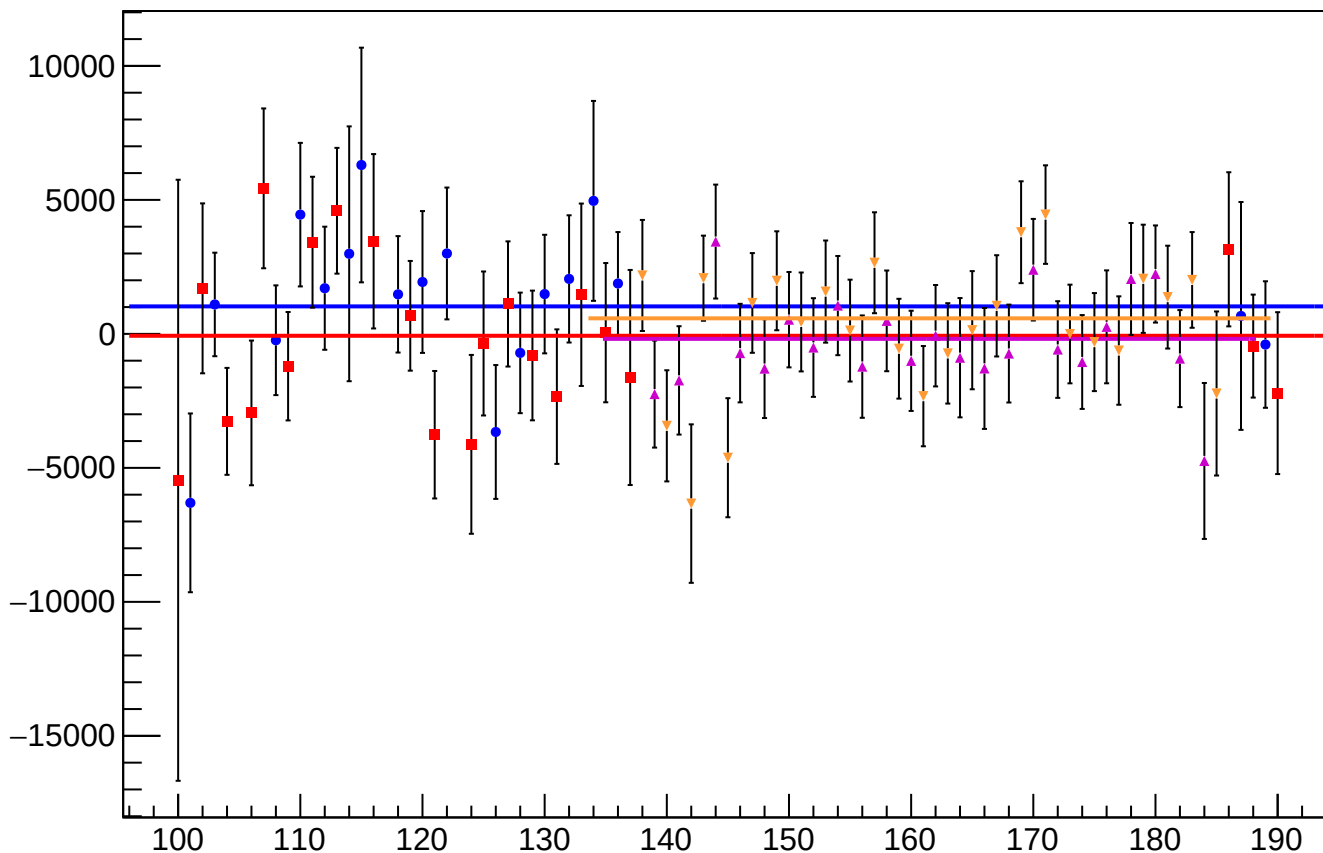
Left In: 839.978+/-0.140 χ^2/NDF : 669338.3/22

+ sign 907.130+/-0.131 χ^2/NDF : 6223776.4/42

All: 910.704+/-0.093 χ^2/NDF : 12241885.6/87

- sign 914.327+/-0.132 χ^2/NDF : 6016606.8/44

dit_asym_at2_dd_mean vs Slug



Right In: 1025.890 ± 591.357 χ^2/NDF : 15.4/17

Left Out: 580.299 ± 389.769 χ^2/NDF : 31.9/24

Right Out: -70.625 ± 554.614 χ^2/NDF : 22.5/21

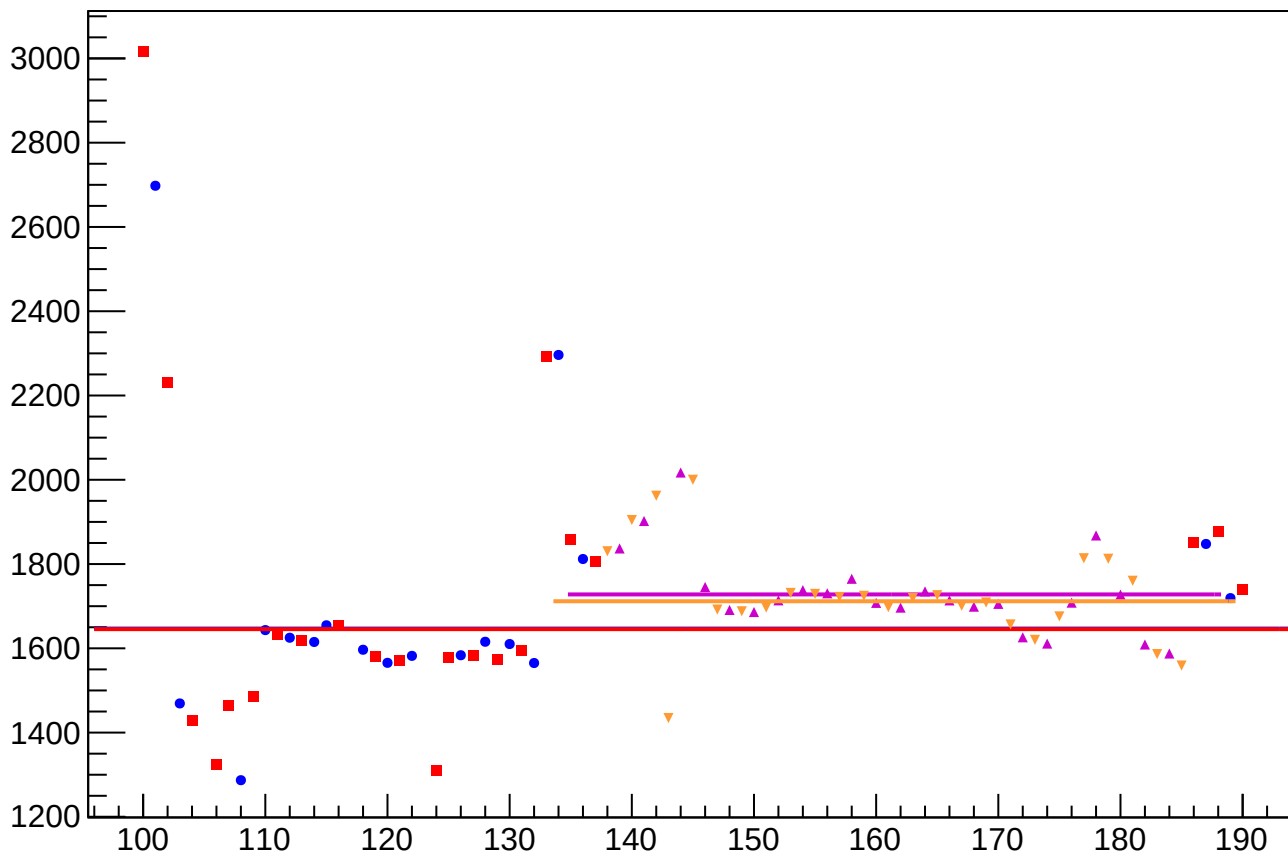
Left In: -185.836 ± 404.094 χ^2/NDF : 14.4/22

+ sign 715.249 ± 325.438 χ^2/NDF : 47.7/42

All: 286.215 ± 230.529 χ^2/NDF : 88.2/87

- sign -145.884 ± 326.598 χ^2/NDF : 37.0/44

dit_asym_at2_dd_rms vs Slug



Right In: 1646.760 $\pm$ 0.418 χ^2 /NDF: 368210.3/17

Left Out: 1711.712 $\pm$ 0.276 χ^2 /NDF:168006.4/24

Right Out: 1645.534 $\pm$ 0.392 χ^2 /NDF: 328741.0/21

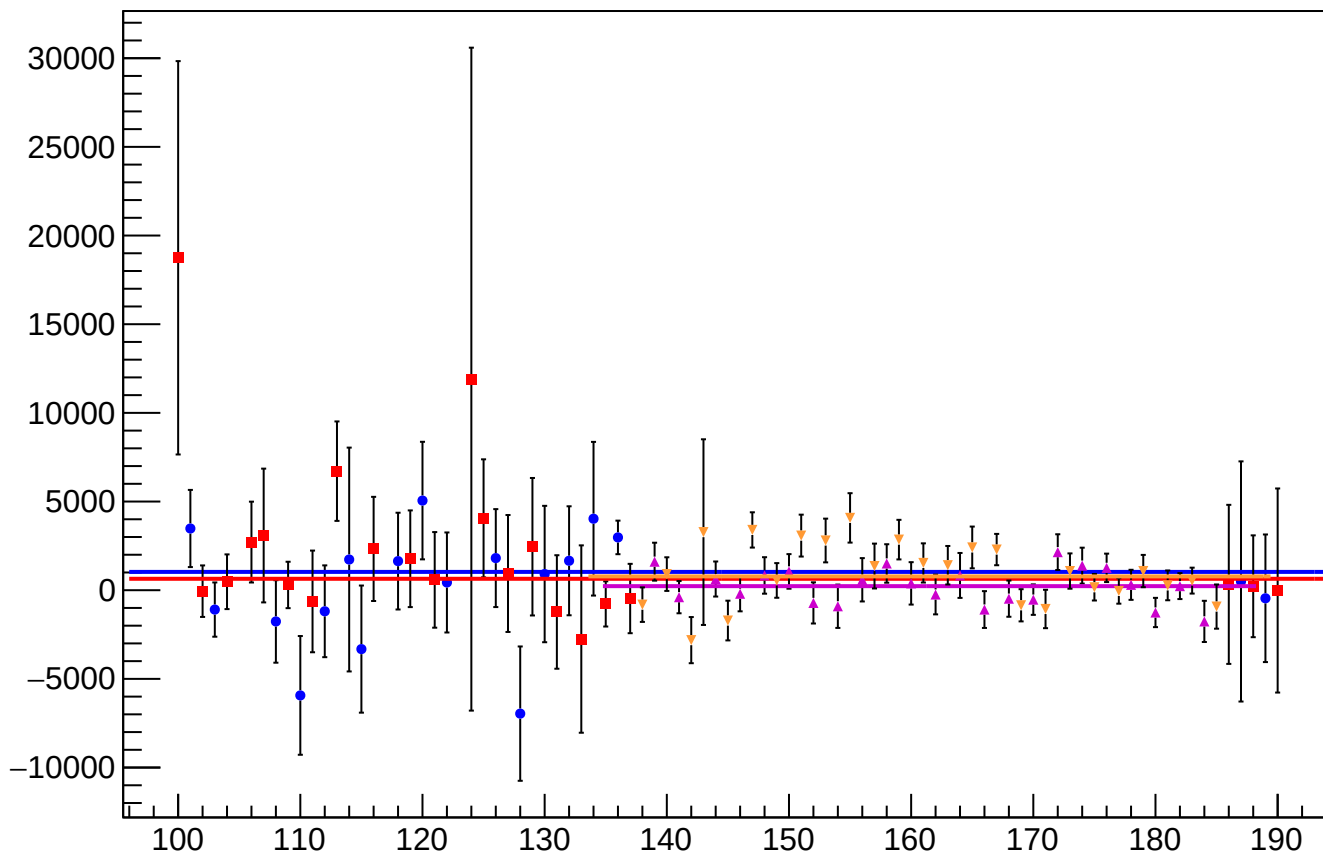
Left In: 1727.912 $\pm$ 0.286 χ^2 /NDF:100226.8/22

+ sign 1692.041 $\pm$ 0.230 χ^2 /NDF: 553036.8/42

All: 1695.680 $\pm$ 0.163 χ^2 /NDF: 1011329.8/87

- sign 1699.346 $\pm$ 0.231 χ^2 /NDF: 457790.9/44

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1032.217 $\pm$ 562.577 χ^2 /NDF: 22.2/17

Left Out: 778.974 $\pm$ 201.641 χ^2 /NDF: 54.5/24

Right Out: 643.975 $\pm$ 509.615 χ^2 /NDF: 13.6/21

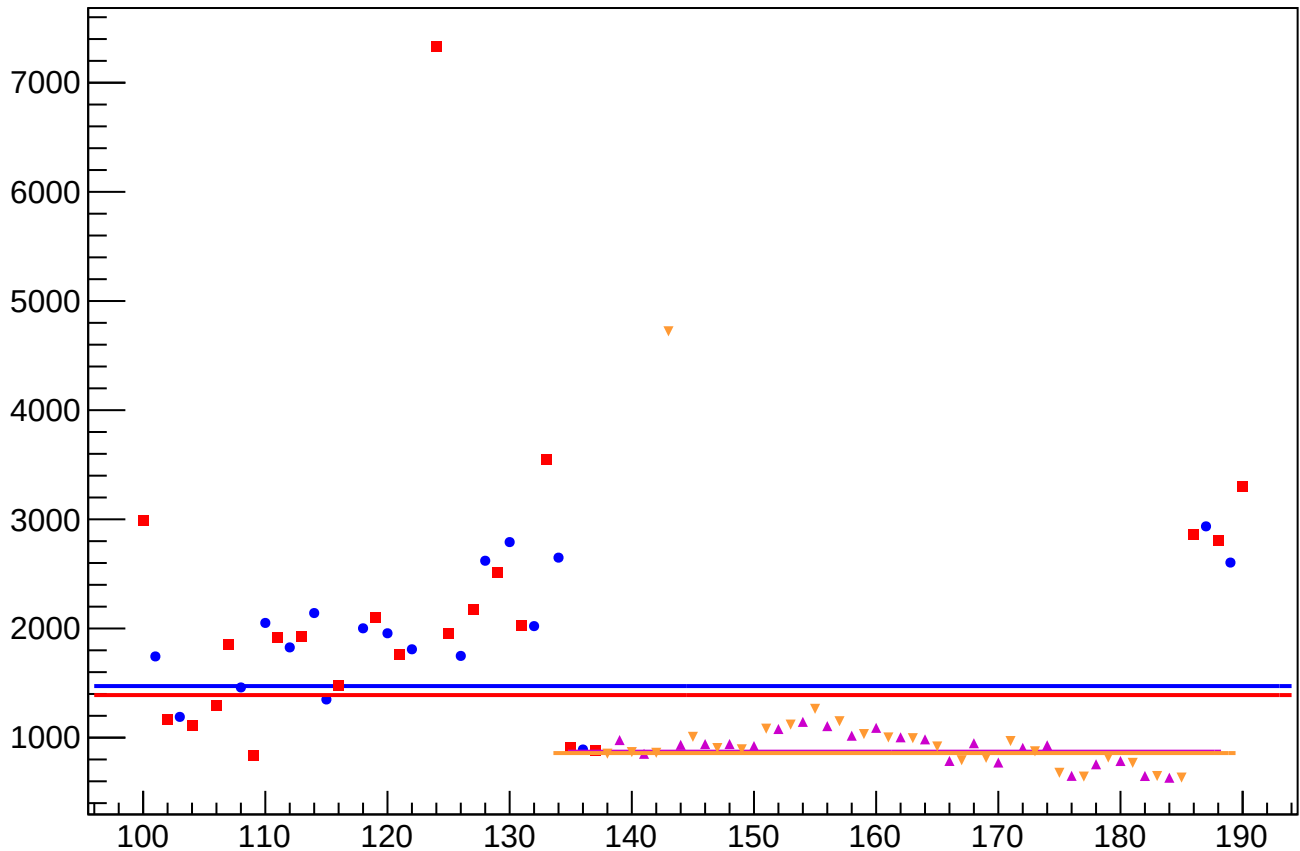
Left In: 228.879 $\pm$ 206.703 χ^2 /NDF: 22.6/22

+ sign 807.804 $\pm$ 189.817 χ^2 /NDF: 76.9/42

All: 550.023 $\pm$ 134.828 χ^2 /NDF: 117.4/87

- sign 287.521 $\pm$ 191.547 χ^2 /NDF: 36.8/44

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1472.458+/-0.398 χ^2/NDF : 2063926.1/17

Left Out: 858.593+/-0.143 χ^2/NDF : 2279775.0/24

+ sign 928.477+/-0.134 χ^2/NDF : 6453896.6/42

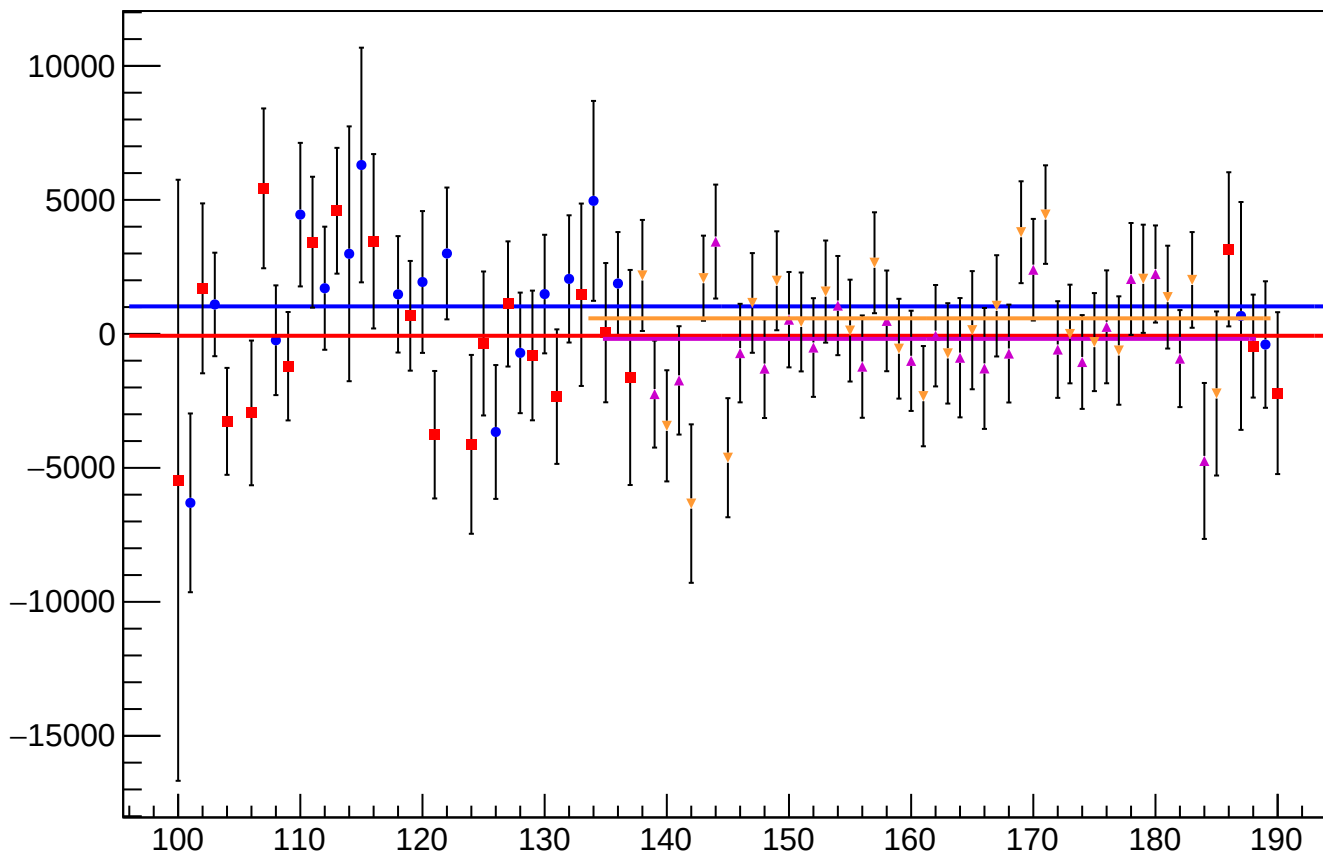
Right Out: 1389.911+/-0.360 χ^2/NDF : 3158632.6/21

All: 936.545+/-0.095 χ^2/NDF : 12376240.6/87

- sign 944.761+/-0.135 χ^2/NDF : 5915050.7/44

Left In: 871.527+/-0.146 χ^2/NDF : 979356.2/22

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1025.891 ± 591.357 χ^2/NDF : 15.4/17

Left Out: 580.295 ± 389.769 χ^2/NDF : 31.9/24

Right Out: -70.628 ± 554.614 χ^2/NDF : 22.5/21

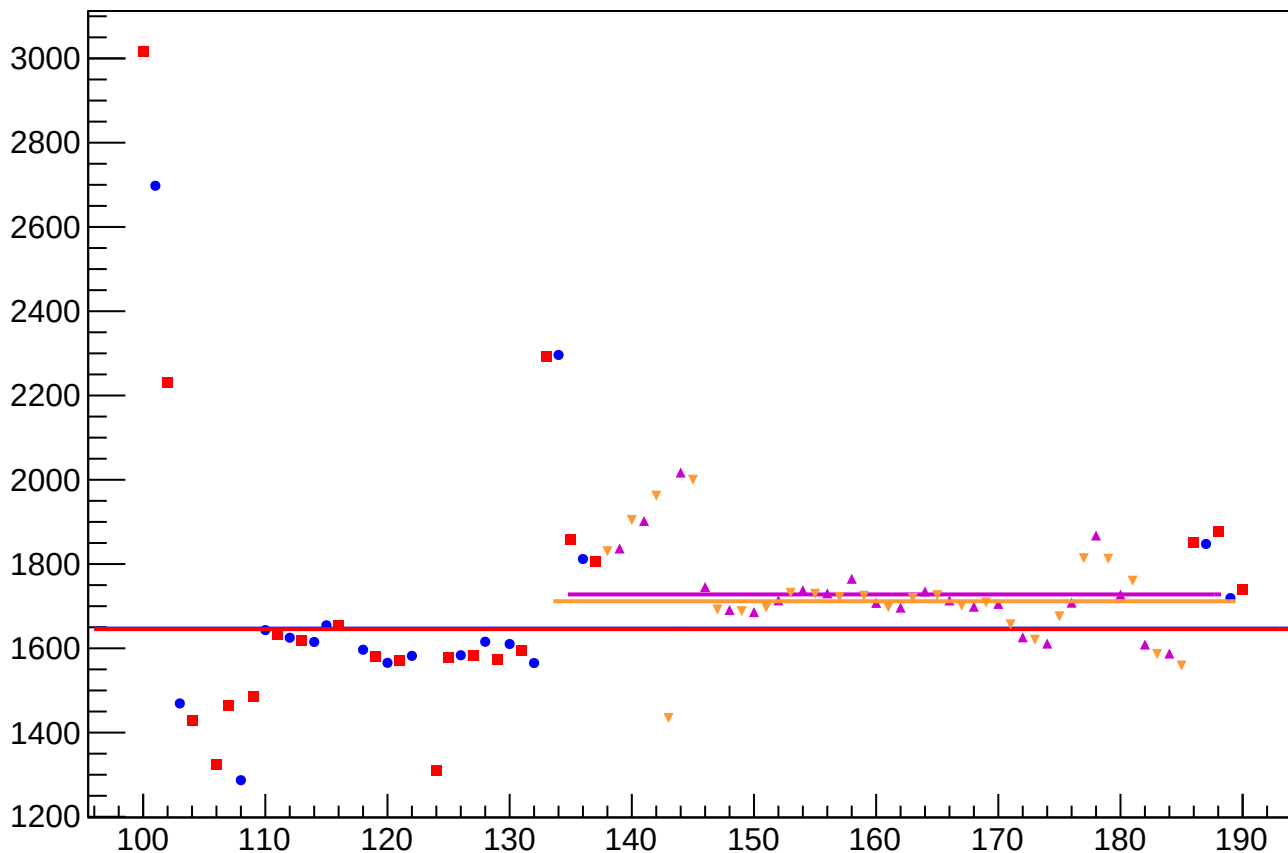
Left In: -185.837 ± 404.094 χ^2/NDF : 14.4/22

+ sign 715.246 ± 325.438 χ^2/NDF : 47.7/42

All: 286.213 ± 230.529 χ^2/NDF : 88.2/87

- sign -145.885 ± 326.598 χ^2/NDF : 37.0/44

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1646.760 $\pm$ 0.418 χ^2 /NDF: 368210.2/17

Left Out: 1711.711 $\pm$ 0.276 χ^2 /NDF:168005.1/24

Right Out: 1645.534 $\pm$ 0.392 χ^2 /NDF: 328741.3/21

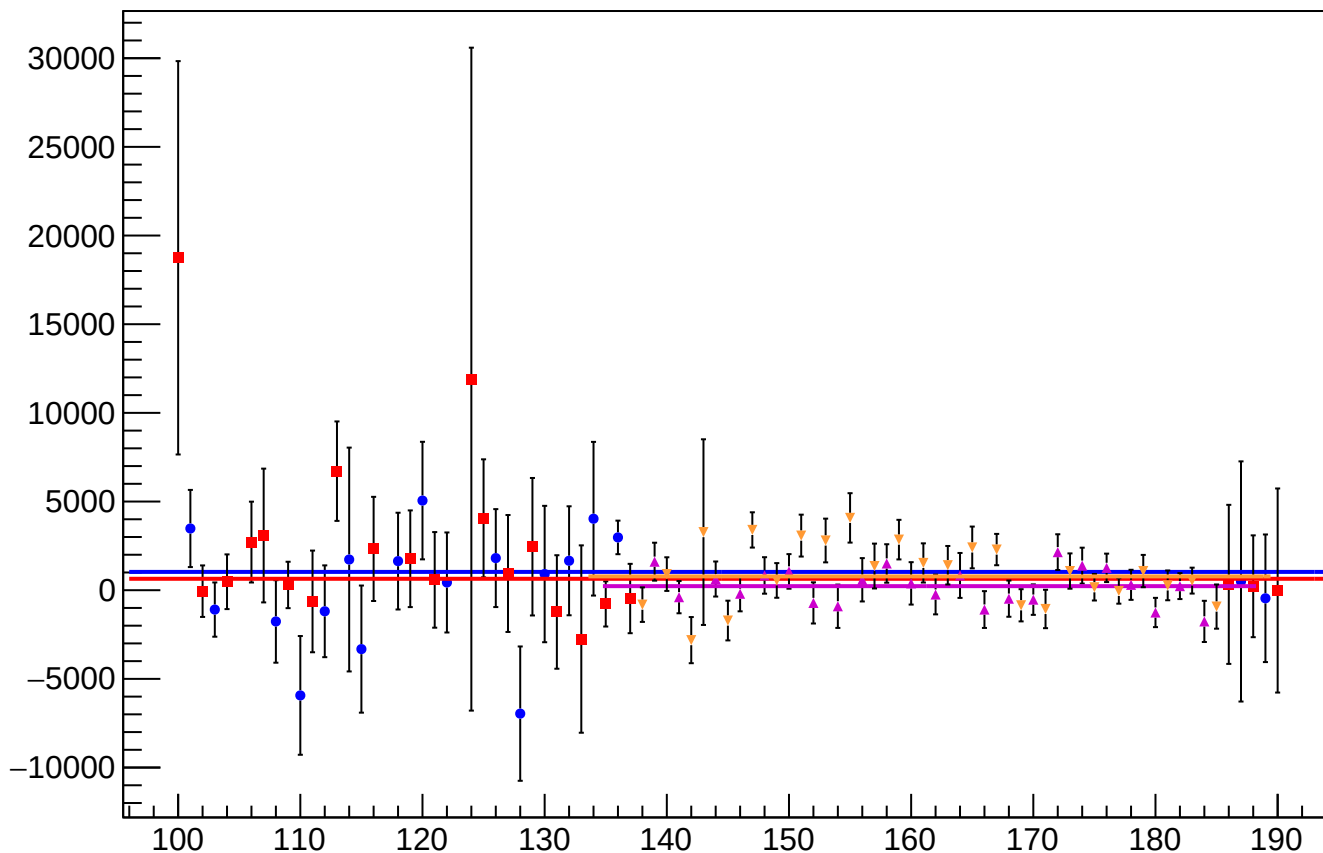
Left In: 1727.912 $\pm$ 0.286 χ^2 /NDF:100226.8/22

+ sign 1692.040 $\pm$ 0.230 χ^2 /NDF: 553035.4/42

All: 1695.680 $\pm$ 0.163 χ^2 /NDF: 1011328.3/87

- sign 1699.345 $\pm$ 0.231 χ^2 /NDF: 457790.9/44

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1032.207 $\pm$ 562.581 χ^2 /NDF: 22.2/17

Left Out: 778.977 $\pm$ 201.641 χ^2 /NDF: 54.5/24

Right Out: 643.986 $\pm$ 509.619 χ^2 /NDF: 13.6/21

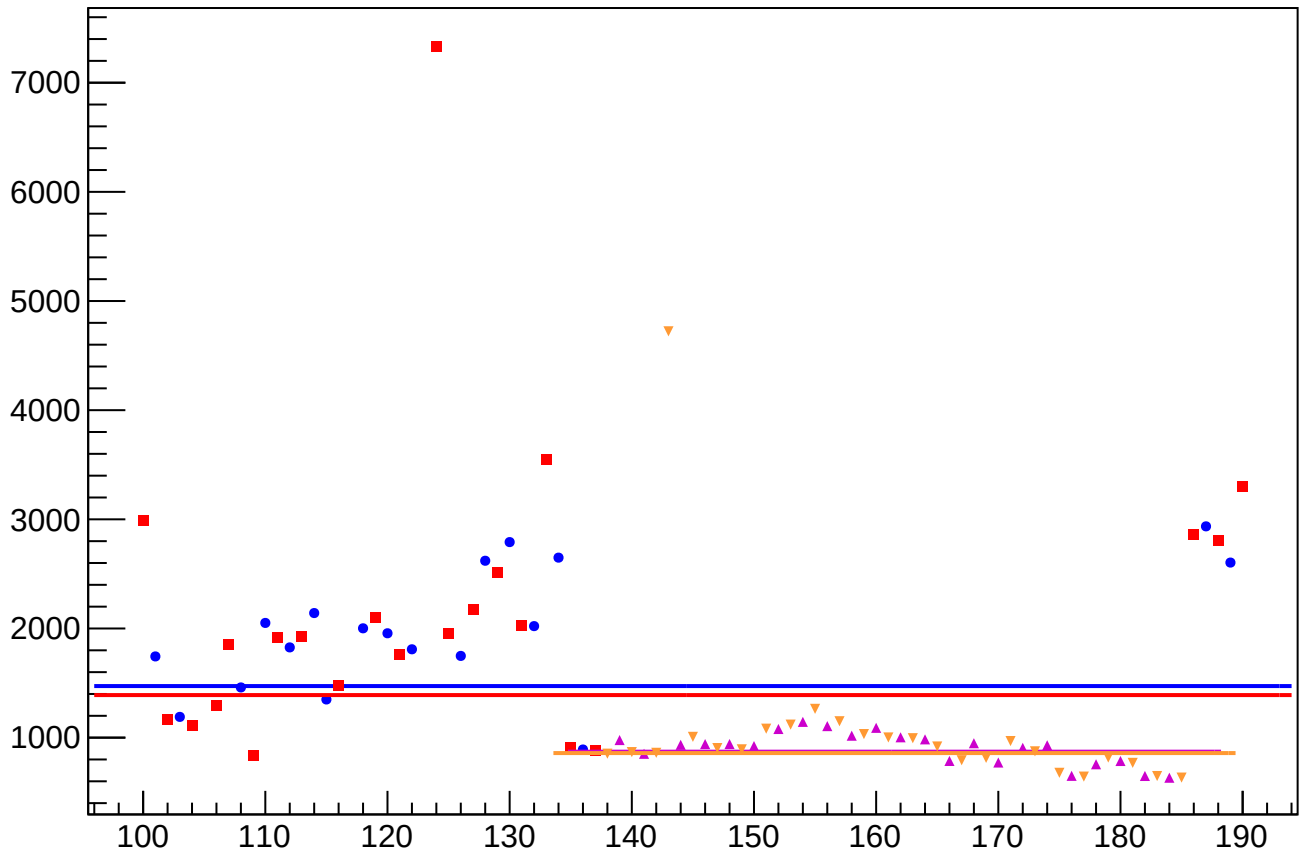
Left In: 228.876 $\pm$ 206.703 χ^2 /NDF: 22.6/22

+ sign 807.805 $\pm$ 189.817 χ^2 /NDF: 76.9/42

All: 550.022 $\pm$ 134.828 χ^2 /NDF: 117.4/87

- sign 287.520 $\pm$ 191.547 χ^2 /NDF: 36.8/44

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1472.473+/-0.398 χ^2/NDF : 2063826.5/17

Left Out: 858.593+/-0.143 χ^2/NDF : 2279765.6/24

+ sign 928.478+/-0.134 χ^2/NDF : 6453867.4/42

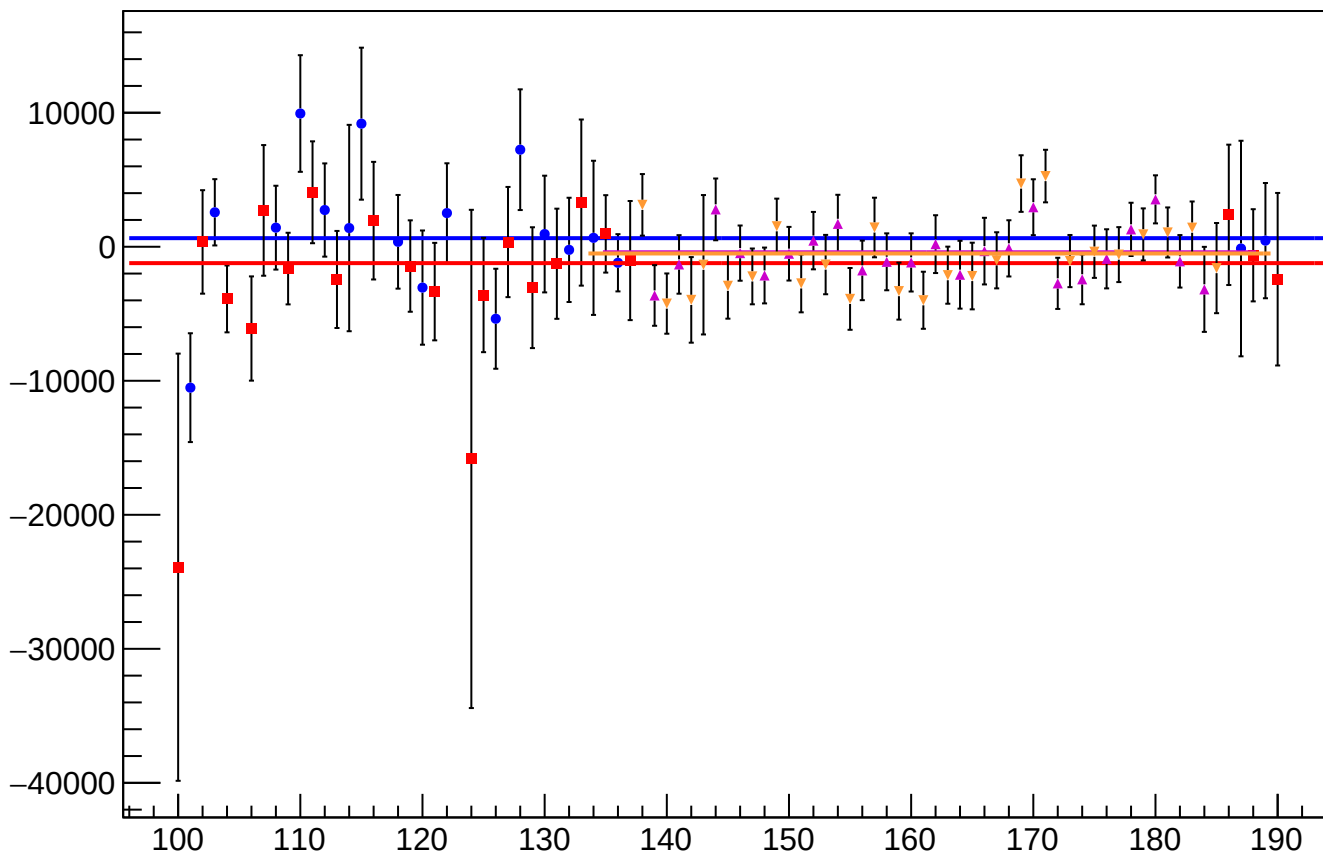
Right Out: 1389.924+/-0.360 χ^2/NDF : 3158549.4/21

All: 936.545+/-0.095 χ^2/NDF : 12376211.6/87

Left In: 871.525+/-0.146 χ^2/NDF : 979360.3/22

- sign 944.761+/-0.135 χ^2/NDF : 5915051.9/44

asym_at2_dd_mean vs Slug



Right In: 641.303 ± 884.478 χ^2/NDF : 22.0/17

Left Out: -501.517 ± 439.916 χ^2/NDF : 35.9/24

Right Out: -1221.548 ± 843.354 χ^2/NDF : 11.4/21

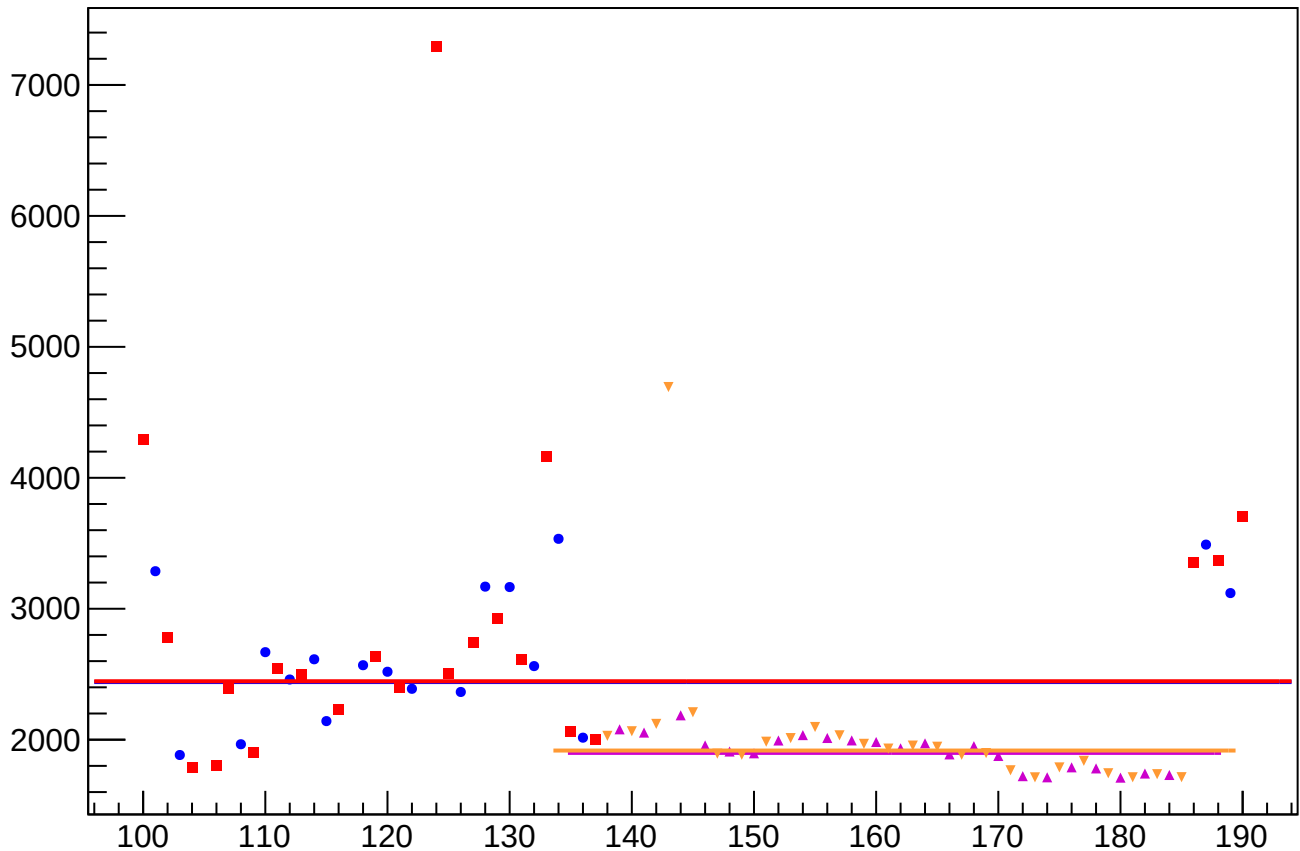
Left In: -411.323 ± 444.573 χ^2/NDF : 18.9/22

+ sign -274.873 ± 393.886 χ^2/NDF : 59.3/42

All: -431.435 ± 278.303 χ^2/NDF : 90.5/87

- sign -587.513 ± 393.276 χ^2/NDF : 31.0/44

asym_at2_dd_rms vs Slug



Right In: 2440.114 $\pm$ 0.625 χ^2 /NDF: 596575.4/17

Left Out: 1917.157 $\pm$ 0.311 χ^2 /NDF: 756385.6/24

Right Out: 2446.432 $\pm$ 0.596 χ^2 /NDF: 991741.3/21

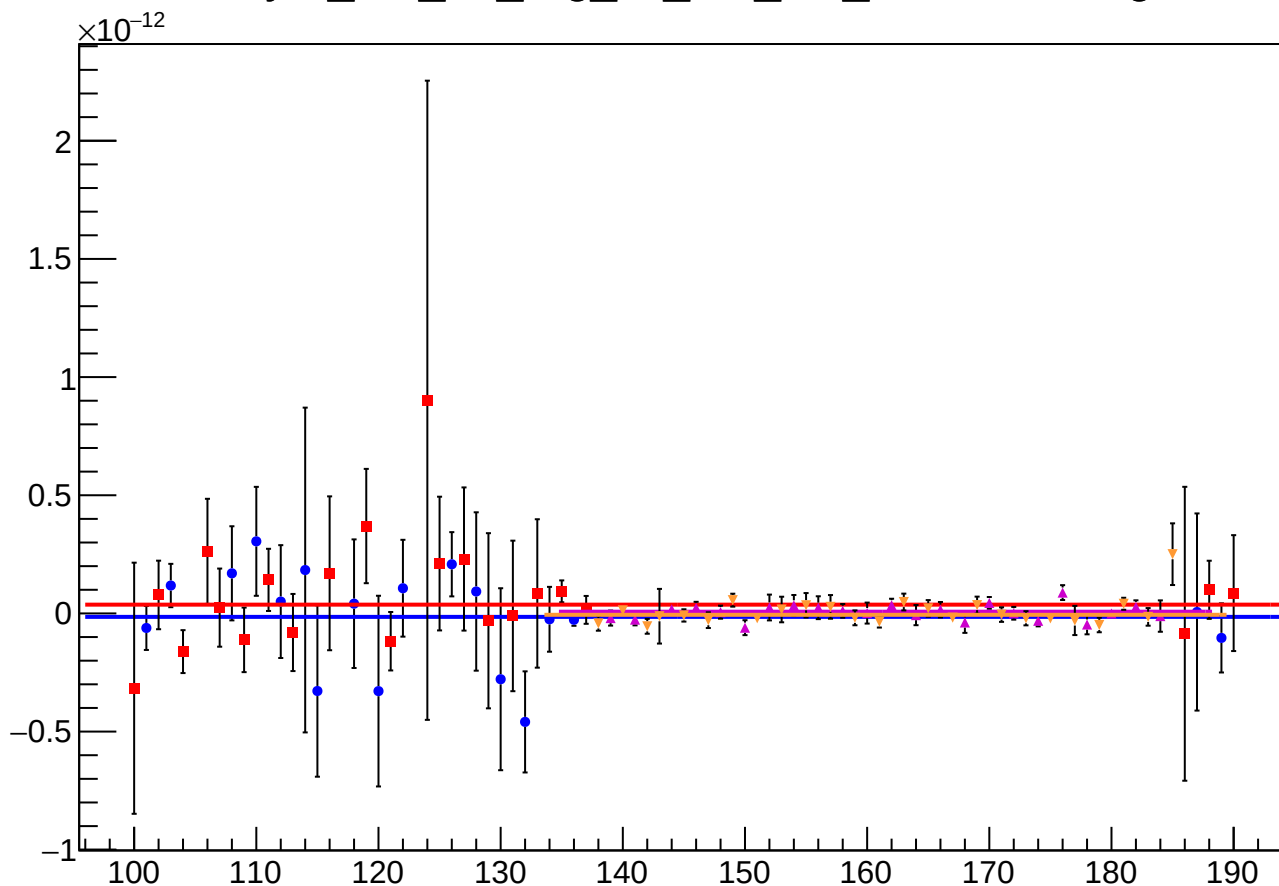
Left In: 1899.245 $\pm$ 0.314 χ^2 /NDF: 173376.4/22

+ sign 2020.870 $\pm$ 0.279 χ^2 /NDF: 1913477.2/42

All: 2019.551 $\pm$ 0.197 χ^2 /NDF: 3737502.3/87

- sign 2018.237 $\pm$ 0.278 χ^2 /NDF: 1823980.4/44

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.2/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 28.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.6/21

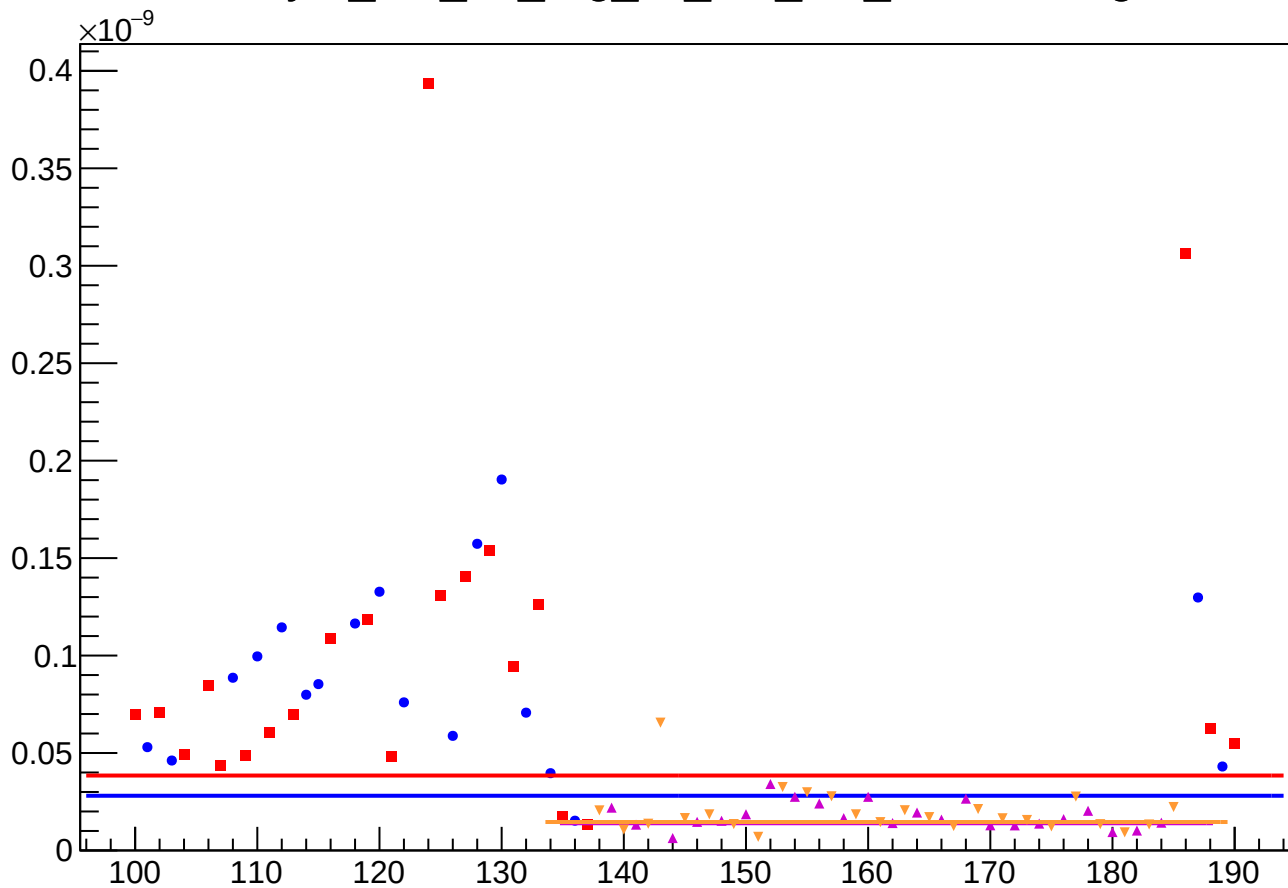
Left In: 0.000 ± 0.000 χ^2/NDF : 25.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 43.9/42

All: 0.000 ± 0.000 χ^2/NDF : 89.1/87

- sign 0.000 ± 0.000 χ^2/NDF : 41.7/44

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2869663.4/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 1874636.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 2909029.2/21

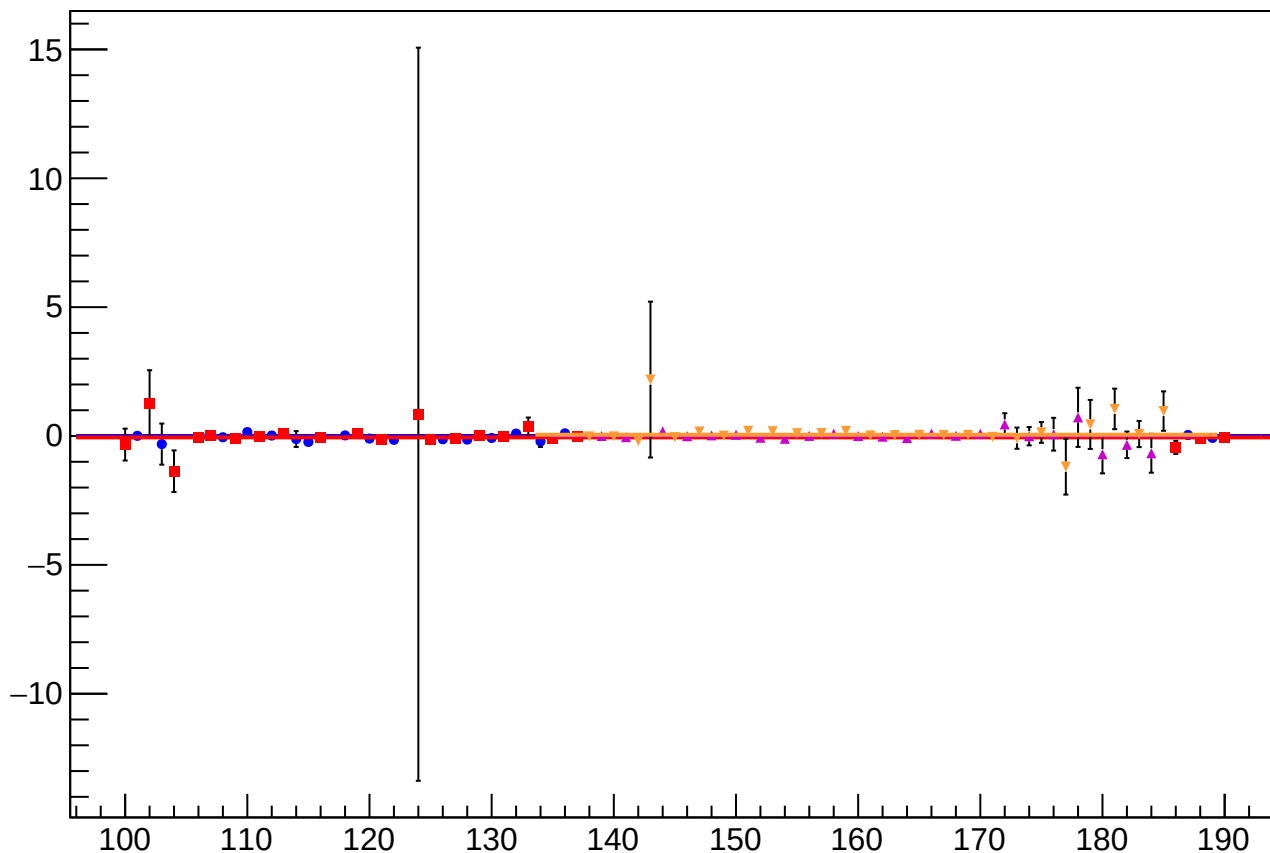
Left In: 0.000 ± 0.000 χ^2/NDF : 1944578.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 5448745.2/42

All: 0.000 ± 0.000 χ^2/NDF : 11866309.2/87

- sign 0.000 ± 0.000 χ^2/NDF : 6411576.6/44

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.026 χ^2/NDF : 13.9/17

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.053 ± 0.022 χ^2/NDF : 15.4/21

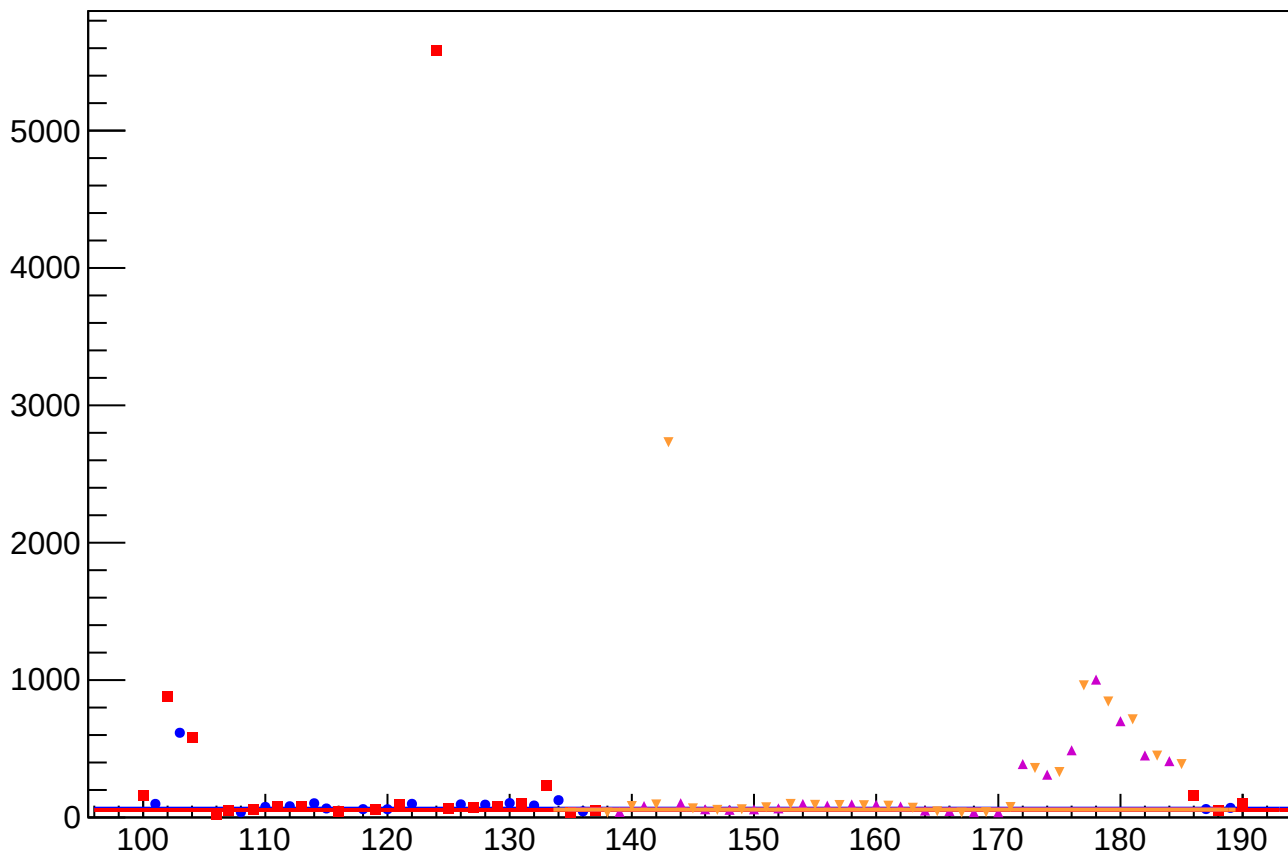
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.034 ± 0.014 χ^2/NDF : 41.1/42

All: 0.013 ± 0.010 χ^2/NDF : 82.8/87

- sign -0.007 ± 0.014 χ^2/NDF : 37.3/44

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.797+/-0.018 χ^2/NDF : 2453033.7/17

Left Out: 57.259+/-0.012 χ^2/NDF : 12322019.7/24

Right Out: 54.333+/-0.016 χ^2/NDF : 4441042.1/21

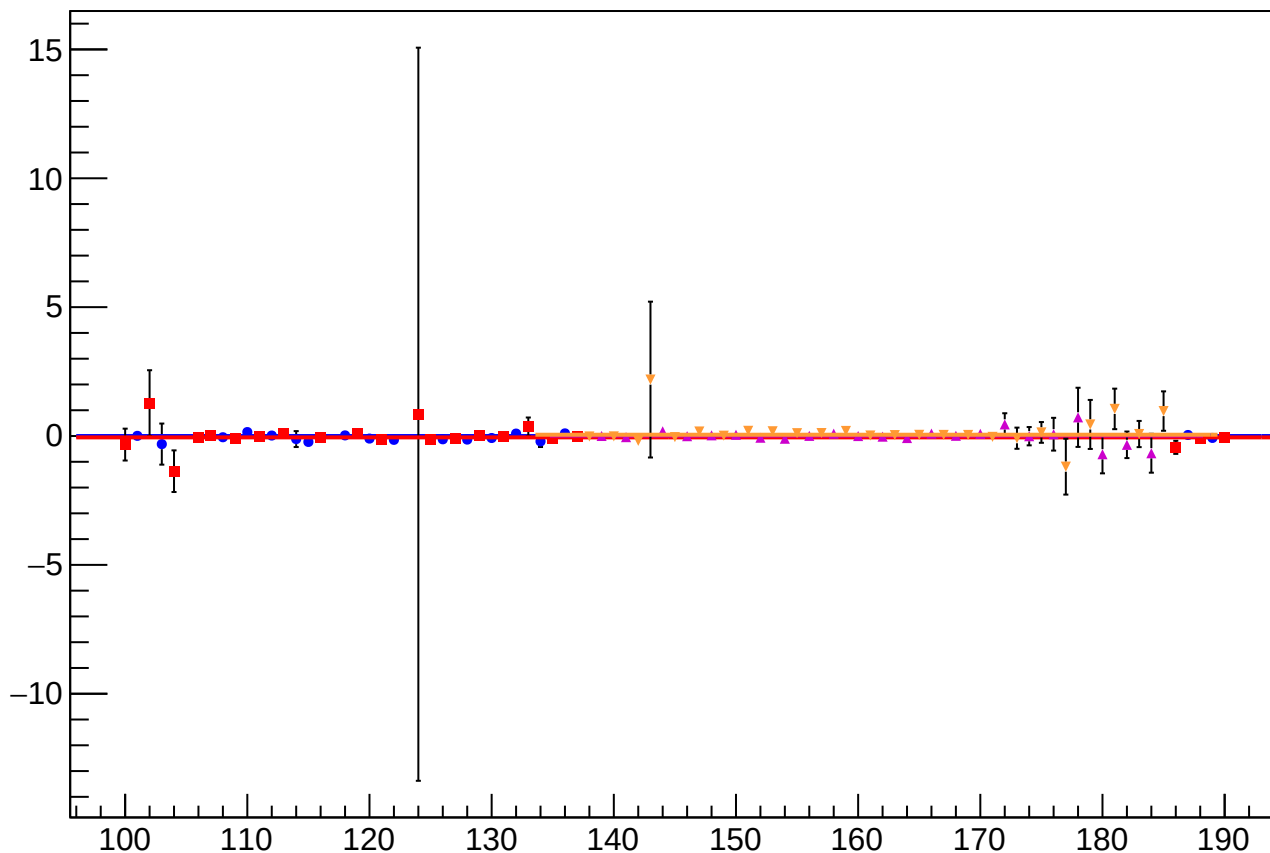
Left In: 58.580+/-0.012 χ^2/NDF : 10247660.0/22

+ sign 59.238+/-0.010 χ^2/NDF : 14864280.7/42

All: 58.083+/-0.007 χ^2/NDF : 29623429.8/87

- sign 57.022+/-0.010 χ^2/NDF : 14733818.4/44

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.026 χ^2/NDF : 13.9/17

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.053 ± 0.022 χ^2/NDF : 15.4/21

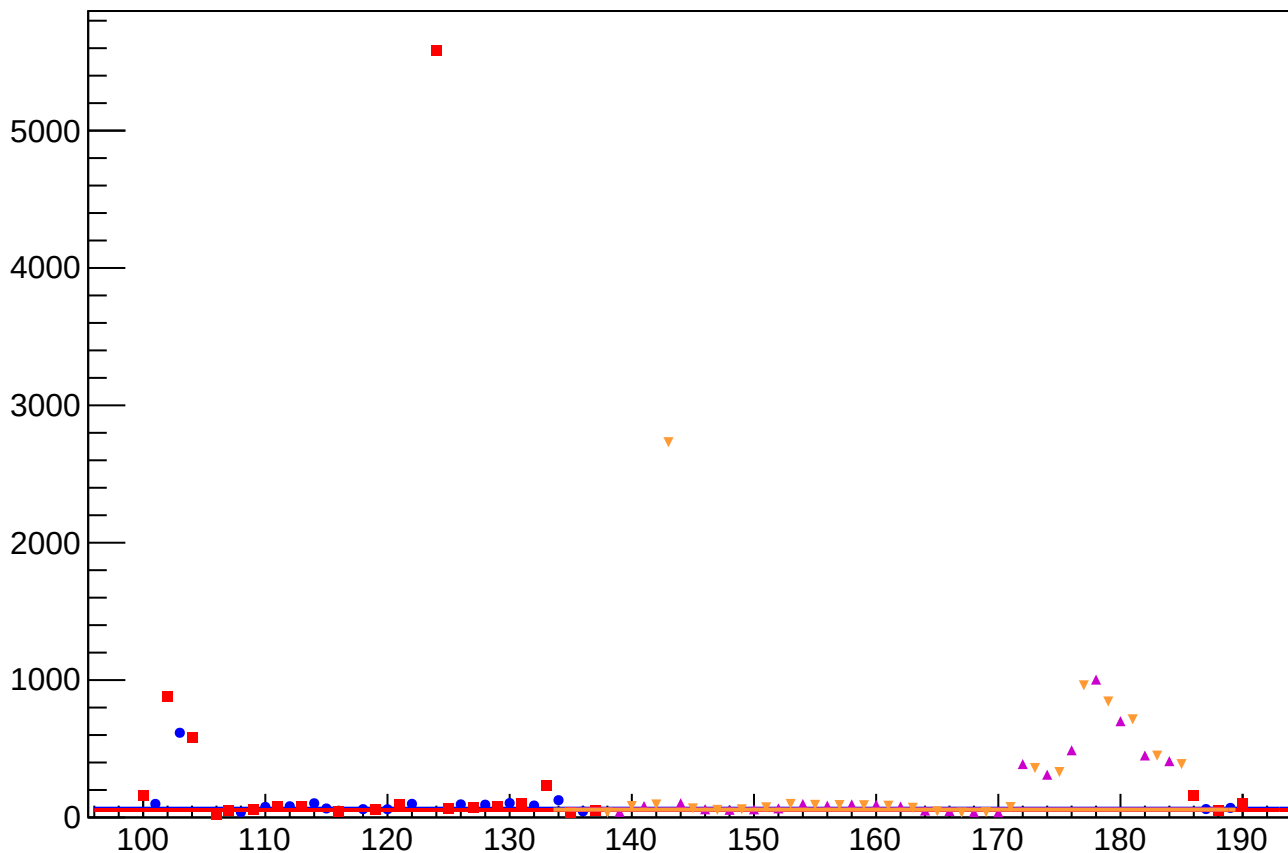
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.034 ± 0.014 χ^2/NDF : 41.1/42

All: 0.013 ± 0.010 χ^2/NDF : 82.8/87

- sign -0.007 ± 0.014 χ^2/NDF : 37.3/44

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.797 $\pm$ 0.018 χ^2 /NDF: 2453033.7/17

Left Out: 57.259 $\pm$ 0.012 χ^2 /NDF:12322019.7/24

Right Out: 54.333 $\pm$ 0.016 χ^2 /NDF: 4441042.1/21

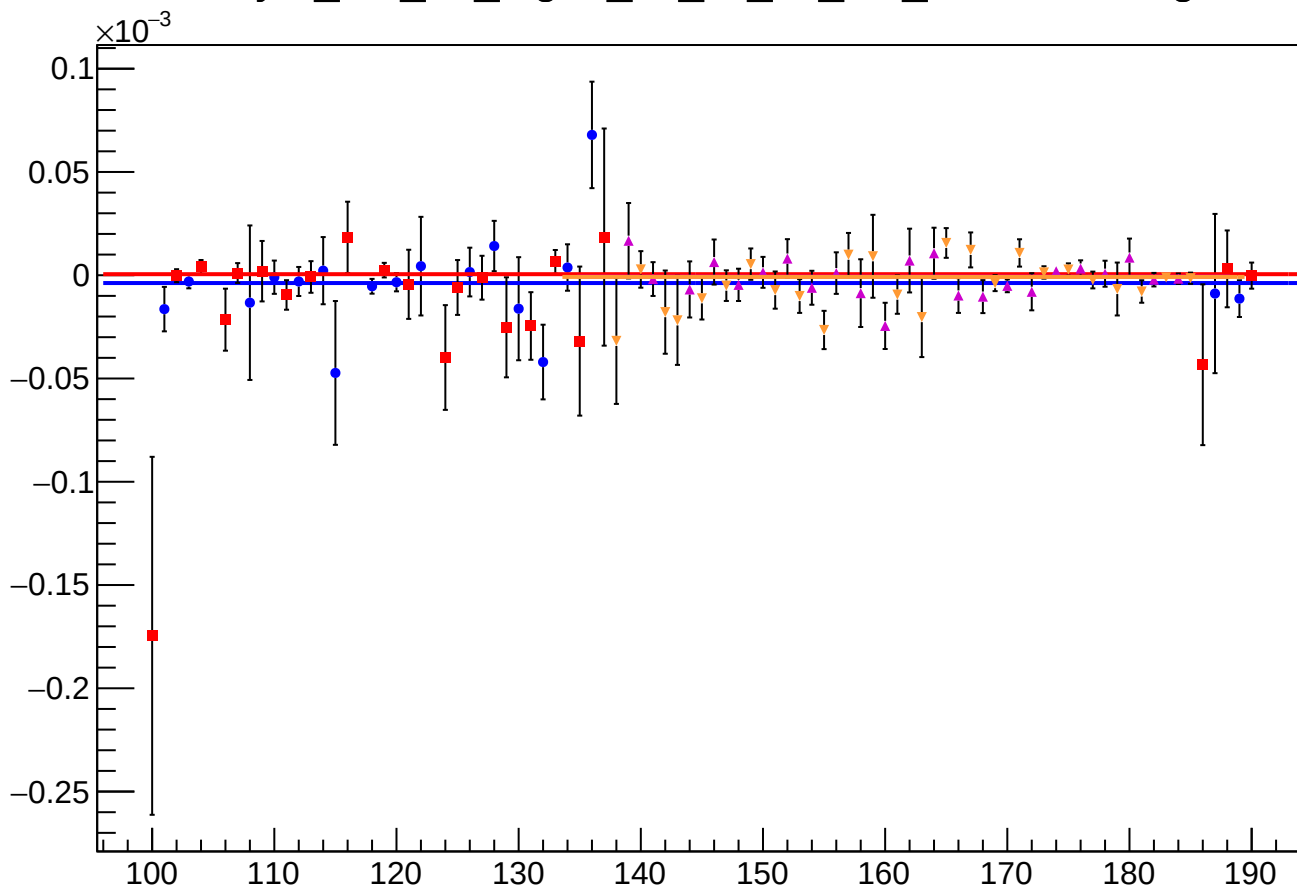
Left In: 58.580 $\pm$ 0.012 χ^2 /NDF:10247660.0/22

+ sign 59.238 $\pm$ 0.010 χ^2 /NDF: 14864280.7/42

All: 58.083 $\pm$ 0.007 χ^2 /NDF: 29623429.8/87

- sign 57.022 $\pm$ 0.010 χ^2 /NDF: 14733818.4/44

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.5/21

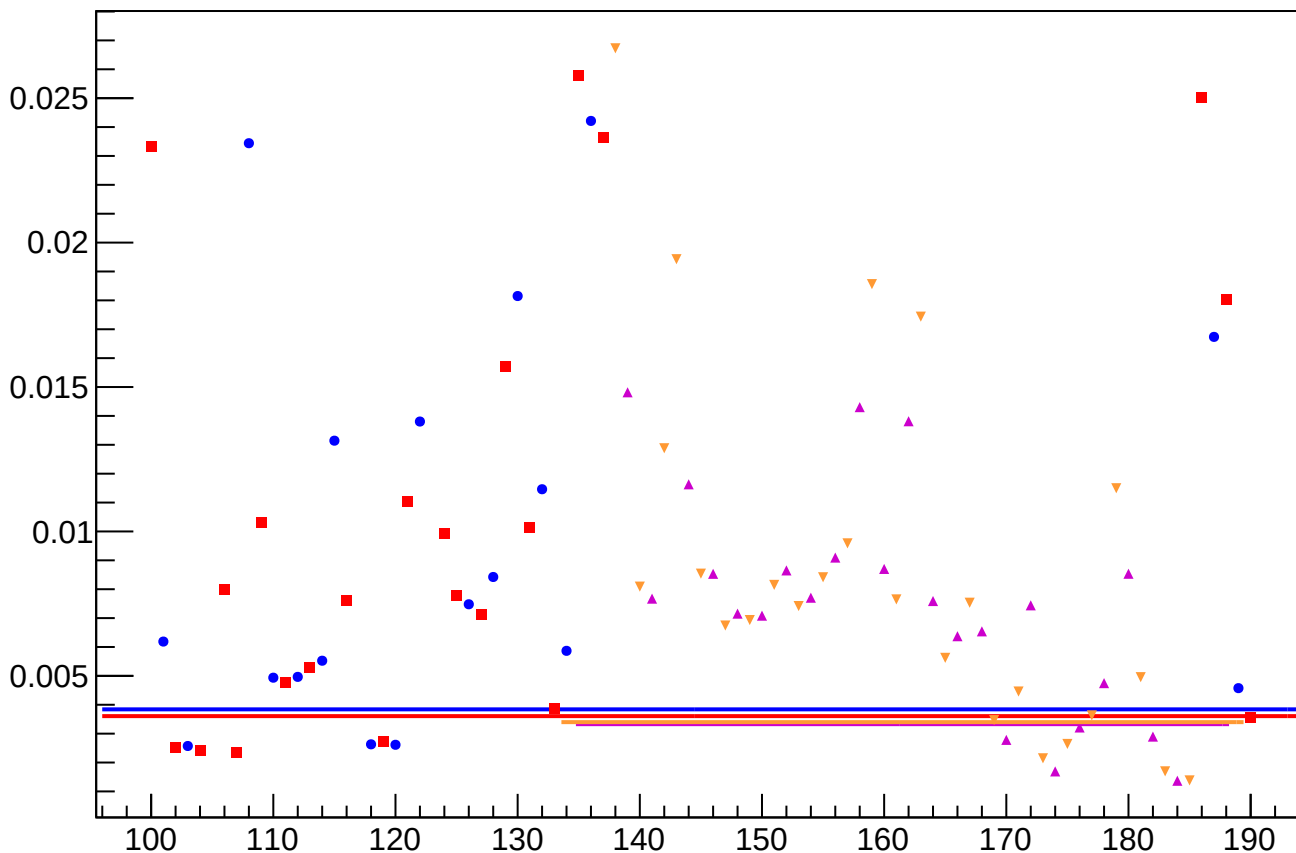
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.8/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.5/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 95.3/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 39.7/44

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 4959064.5/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:14248948.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 6316910.5/21

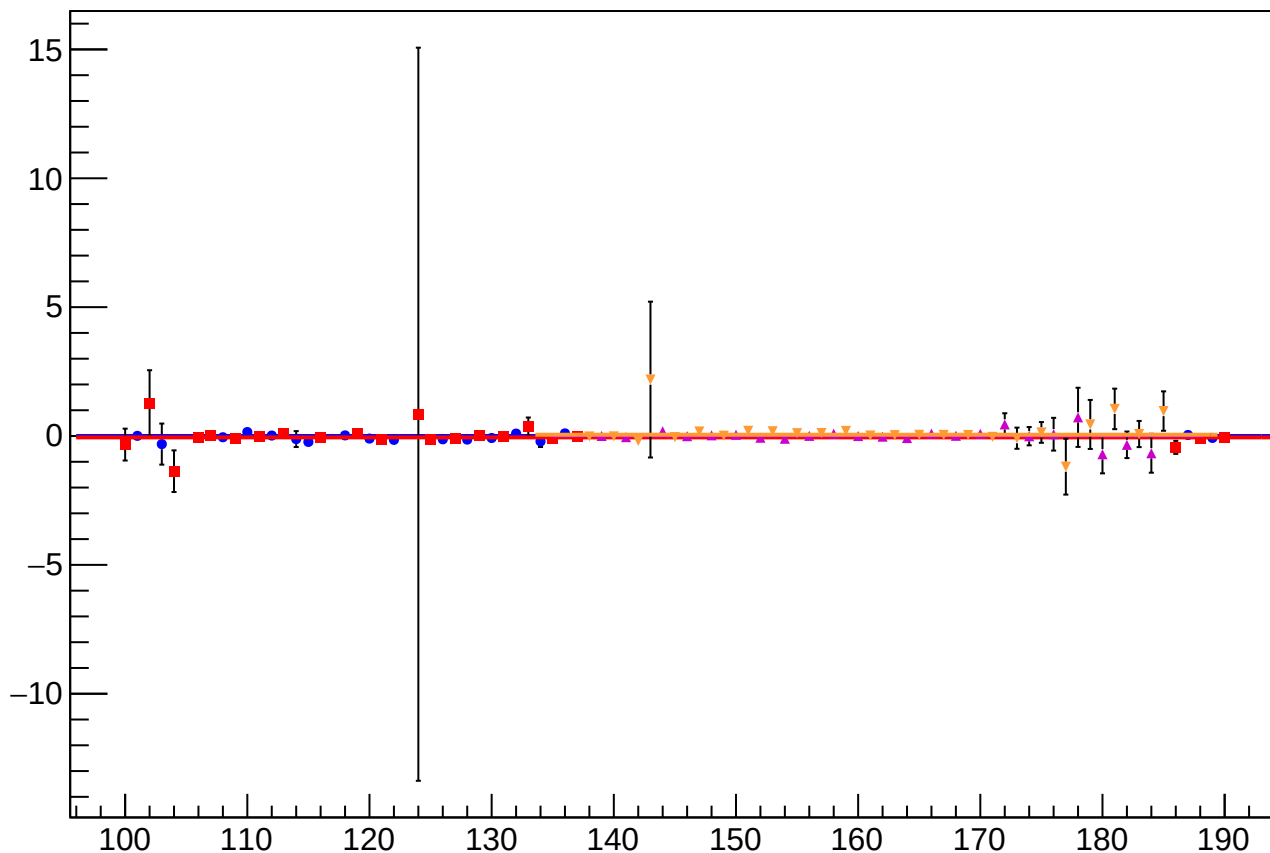
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:12566501.1/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 19300498.2/42

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 38240698.0/87

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 18930005.0/44

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001 ± 0.026 χ^2/NDF : 13.9/17

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.053 ± 0.022 χ^2/NDF : 15.4/21

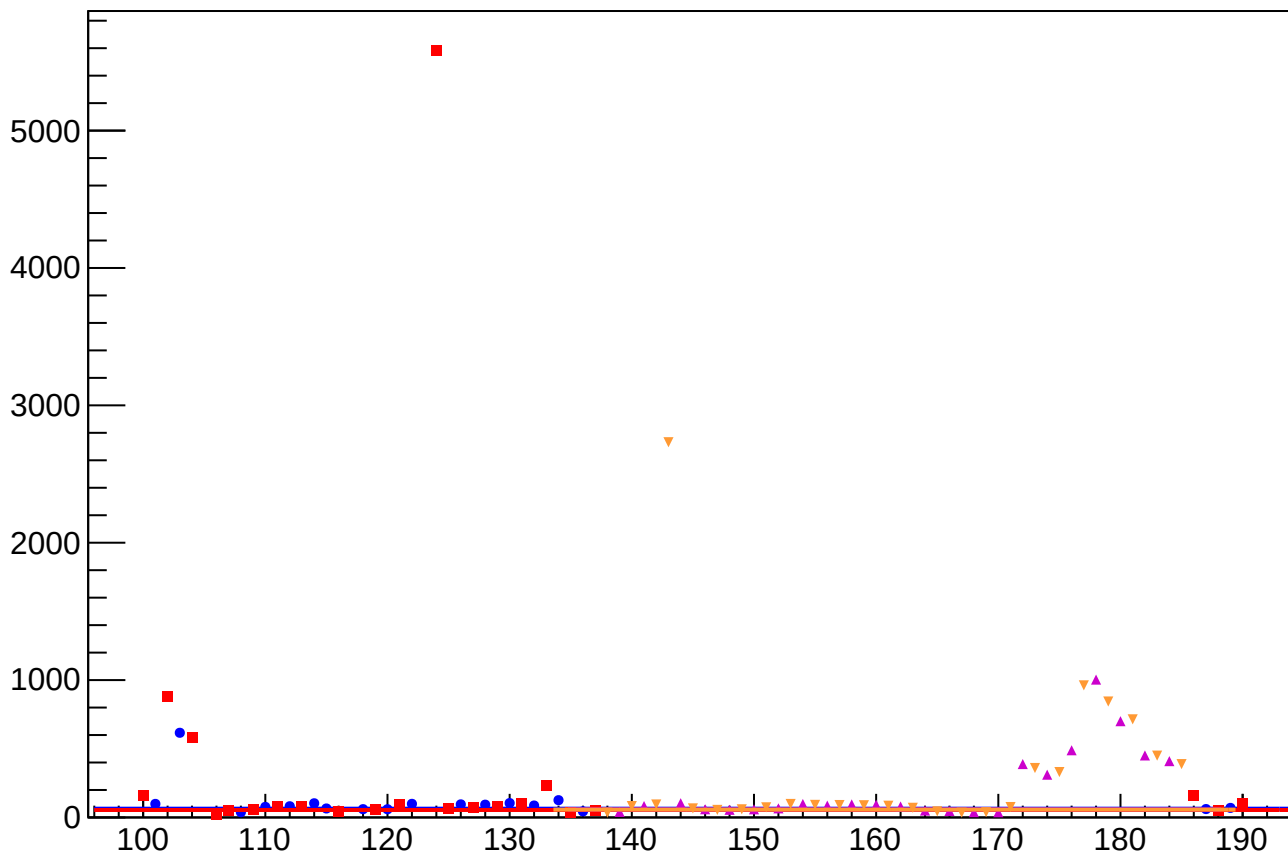
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.034 ± 0.014 χ^2/NDF : 41.1/42

All: 0.013 ± 0.010 χ^2/NDF : 82.8/87

- sign -0.007 ± 0.014 χ^2/NDF : 37.3/44

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.805 ± 0.018 χ^2/NDF : 2452106.1/17

Left Out: 57.258 ± 0.012 χ^2/NDF : 12321763.3/24

Right Out: 54.328 ± 0.016 χ^2/NDF : 4441657.0/21

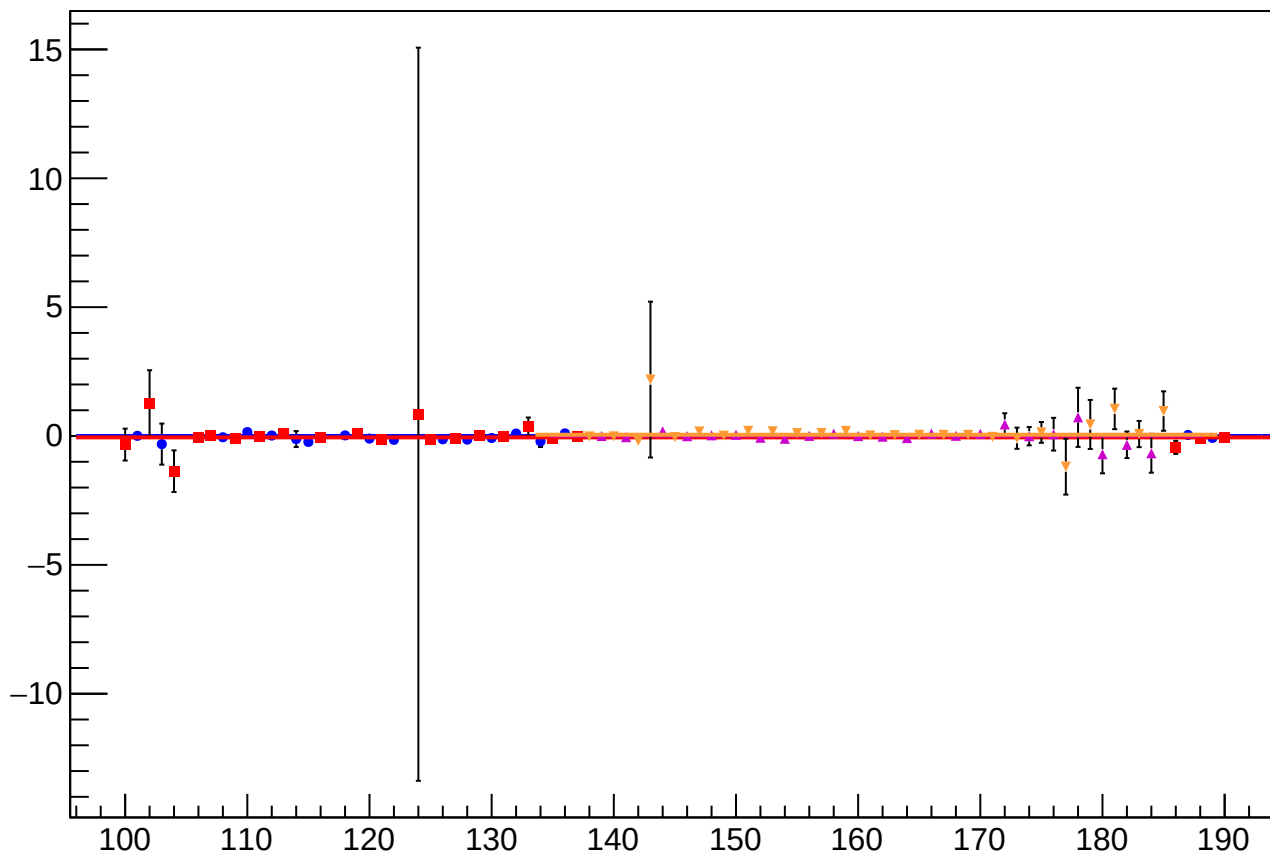
Left In: 58.582 ± 0.012 χ^2/NDF : 10247153.8/22

+ sign 59.239 ± 0.010 χ^2/NDF : 14863336.3/42

All: 58.083 ± 0.007 χ^2/NDF : 29622794.7/87

- sign 57.021 ± 0.010 χ^2/NDF : 14734086.3/44

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001 ± 0.026 χ^2/NDF : 13.9/17

Left Out: 0.050 ± 0.017 χ^2/NDF : 24.5/24

Right Out: -0.053 ± 0.022 χ^2/NDF : 15.4/21

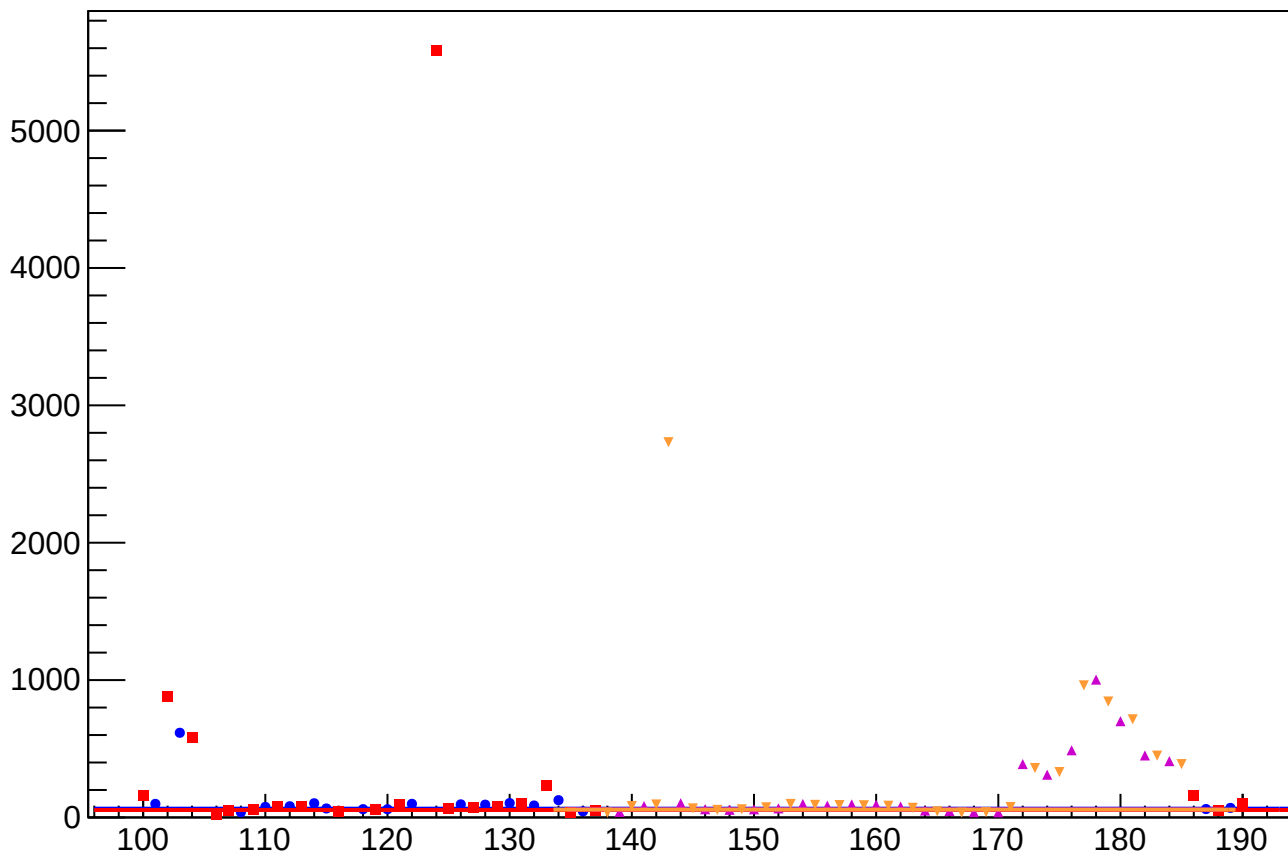
Left In: 0.019 ± 0.017 χ^2/NDF : 15.4/22

+ sign 0.034 ± 0.014 χ^2/NDF : 41.1/42

All: 0.013 ± 0.010 χ^2/NDF : 82.8/87

- sign -0.007 ± 0.014 χ^2/NDF : 37.3/44

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.805 $\pm$ 0.018 χ^2 /NDF: 2452106.1/17

Left Out: 57.258 $\pm$ 0.012 χ^2 /NDF: 12321763.3/24

Right Out: 54.328 $\pm$ 0.016 χ^2 /NDF: 4441657.0/21

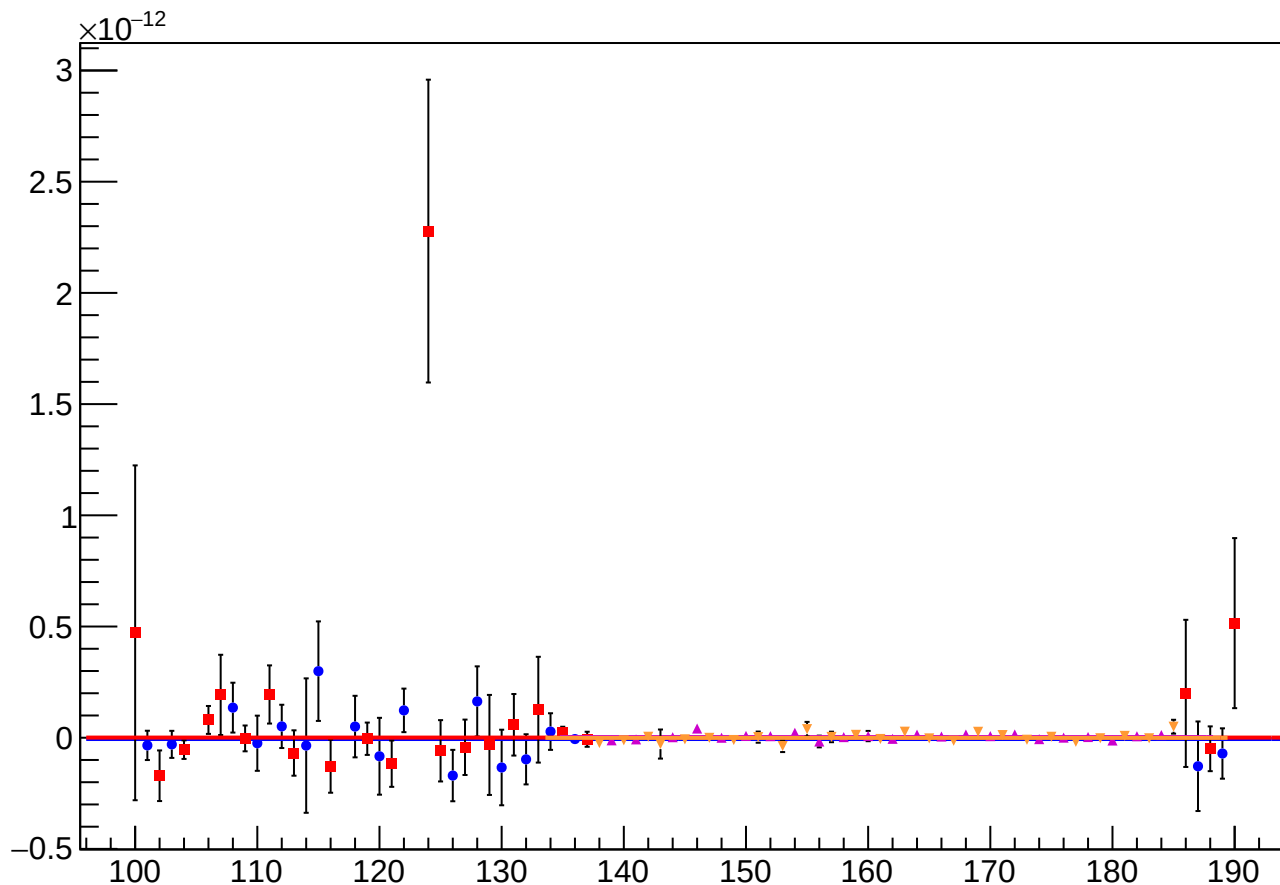
Left In: 58.582 $\pm$ 0.012 χ^2 /NDF: 10247153.8/22

+ sign 59.239 $\pm$ 0.010 χ^2 /NDF: 14863336.3/42

All: 58.083 $\pm$ 0.007 χ^2 /NDF: 29622794.7/87

- sign 57.021 $\pm$ 0.010 χ^2 /NDF: 14734086.3/44

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 18.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 27.5/21

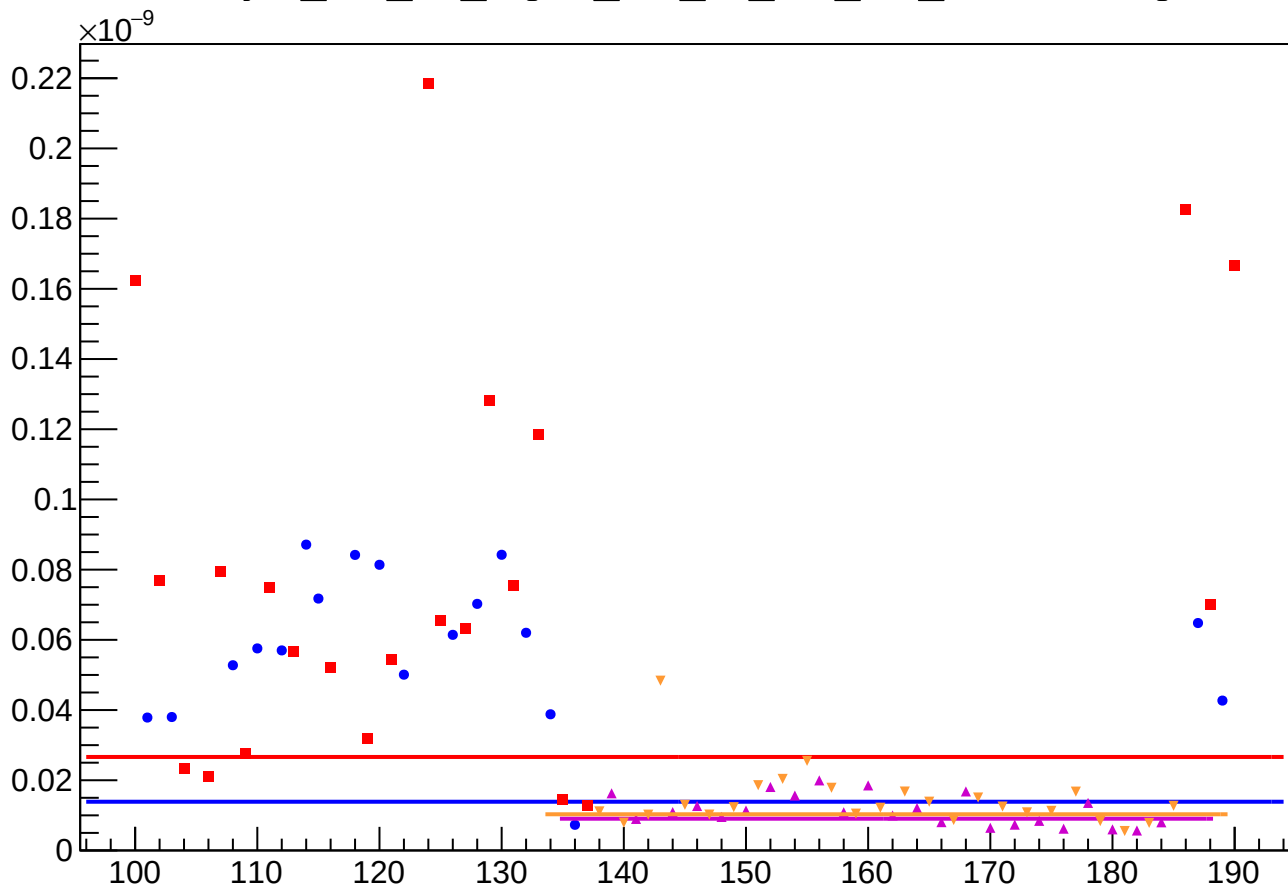
Left In: 0.000 ± 0.000 χ^2/NDF : 15.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 30.6/42

All: 0.000 ± 0.000 χ^2/NDF : 74.4/87

- sign 0.000 ± 0.000 χ^2/NDF : 43.0/44

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5253436.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4682136.7/21

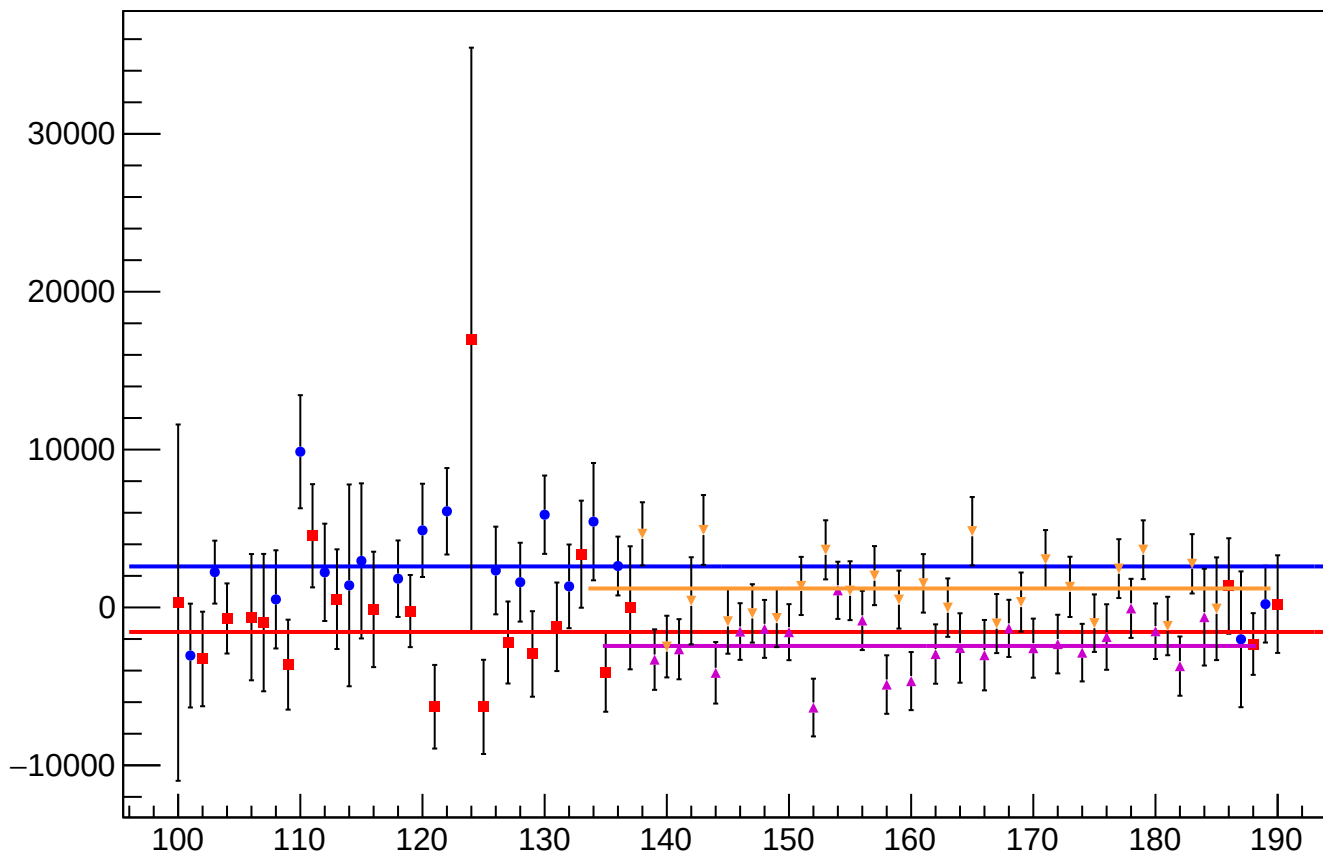
Left In: 0.000+/-0.000 χ^2/NDF : 3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 9121297.2/42

All: 0.000+/-0.000 χ^2/NDF : 19667456.4/87

- sign 0.000+/-0.000 χ^2/NDF : 10436394.6/44

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2597.779 ± 660.419 χ^2/NDF : 14.8/17

Left Out: 1202.401 ± 389.137 χ^2/NDF : 26.3/24

Right Out: -1553.226 ± 635.345 χ^2/NDF : 17.3/21

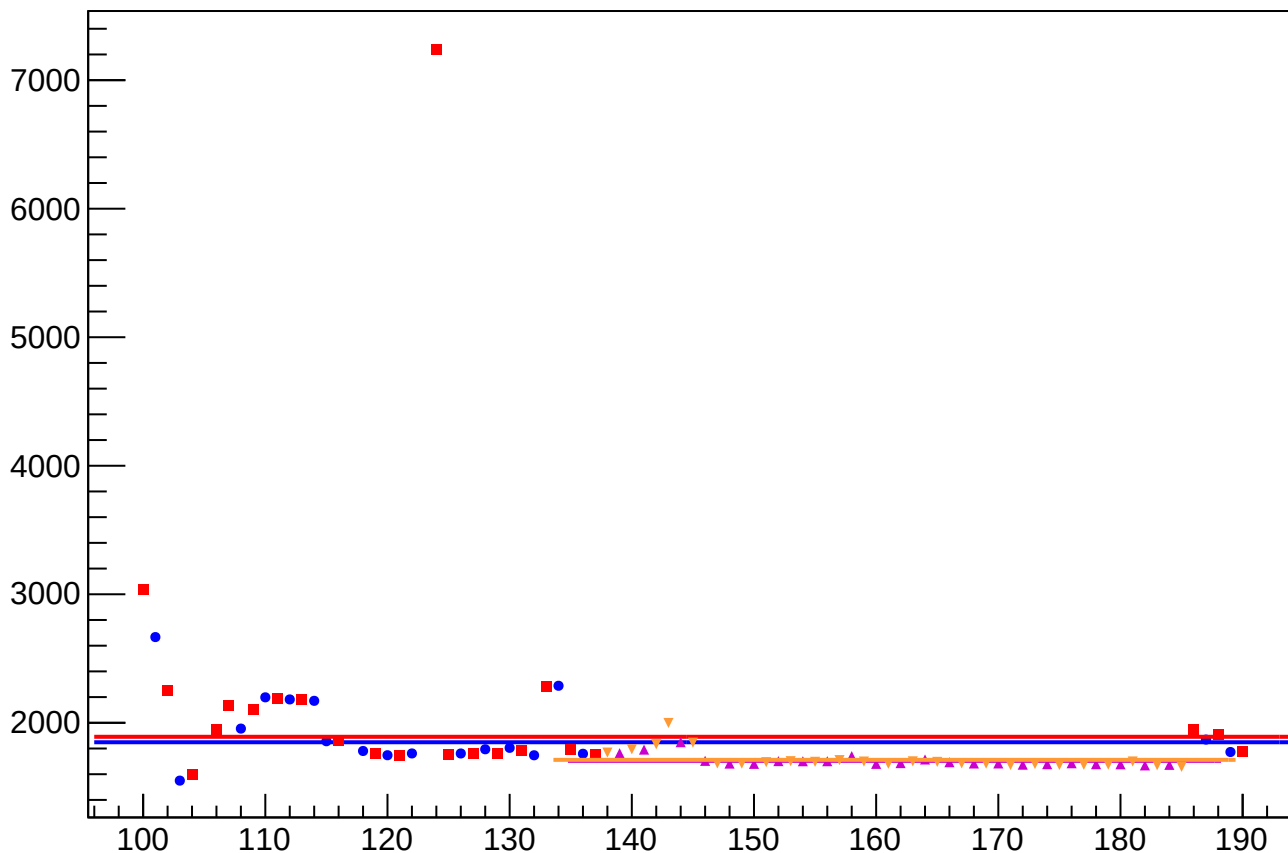
Left In: -2439.008 ± 397.969 χ^2/NDF : 17.5/22

+ sign 1562.008 ± 335.265 χ^2/NDF : 44.4/42

All: -302.528 ± 237.773 χ^2/NDF : 142.8/87

- sign -2189.401 ± 337.267 χ^2/NDF : 36.2/44

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1848.666 ± 0.467 χ^2/NDF : 265446.5/17

Left Out: 1711.777 ± 0.275 χ^2/NDF : 60068.7/24

Right Out: 1891.196 ± 0.448 χ^2/NDF : 367494.1/21

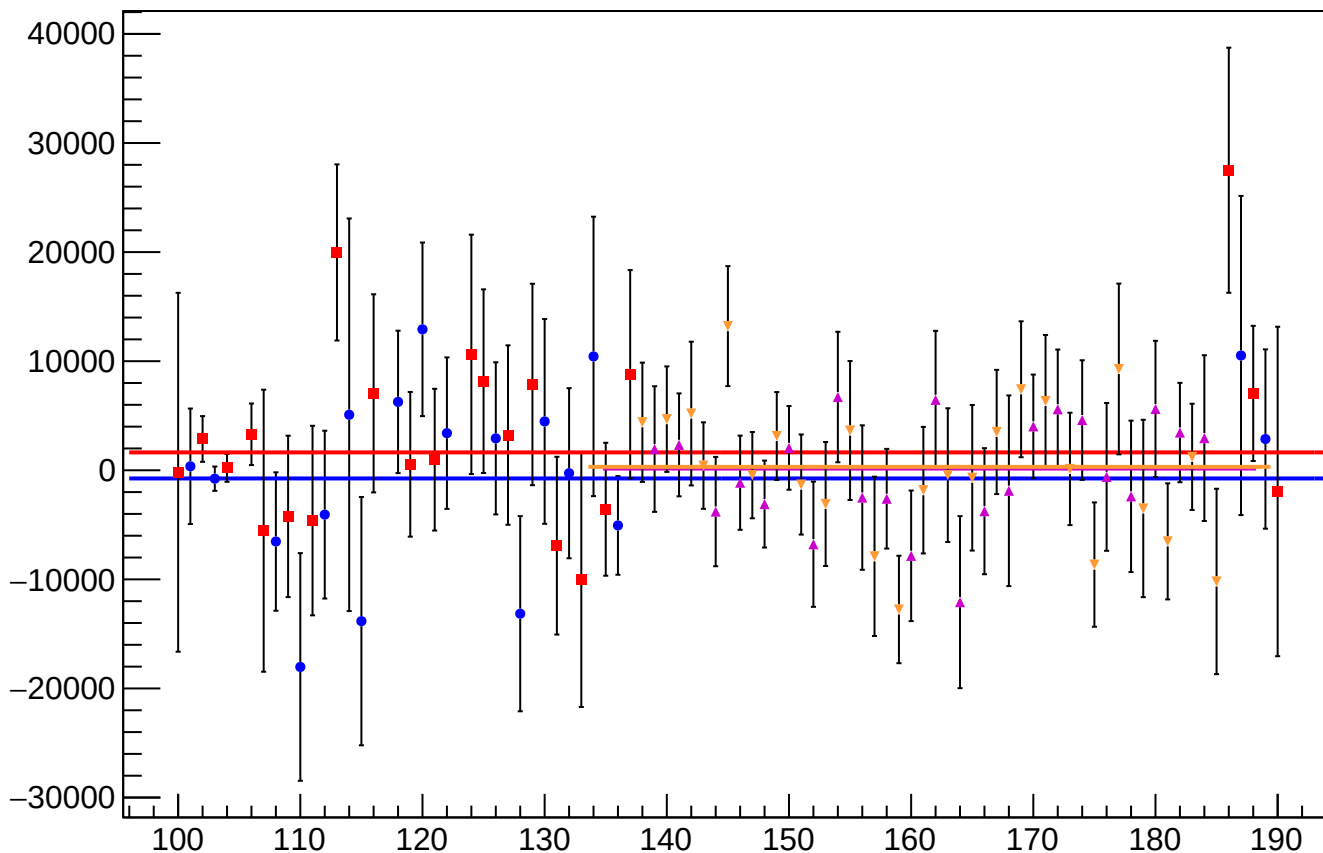
Left In: 1703.969 ± 0.281 χ^2/NDF : 22568.8/22

+ sign 1747.055 ± 0.237 χ^2/NDF : 389298.0/42

All: 1751.936 ± 0.168 χ^2/NDF : 905287.1/87

- sign 1756.870 ± 0.238 χ^2/NDF : 515136.6/44

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -749.541 $\pm$ 954.341 χ^2 /NDF: 14.7/17

Left Out: 314.051 $\pm$ 1091.976 χ^2 /NDF: 27.0/24

Right Out: 1638.343 $\pm$ 901.539 χ^2 /NDF: 20.2/21

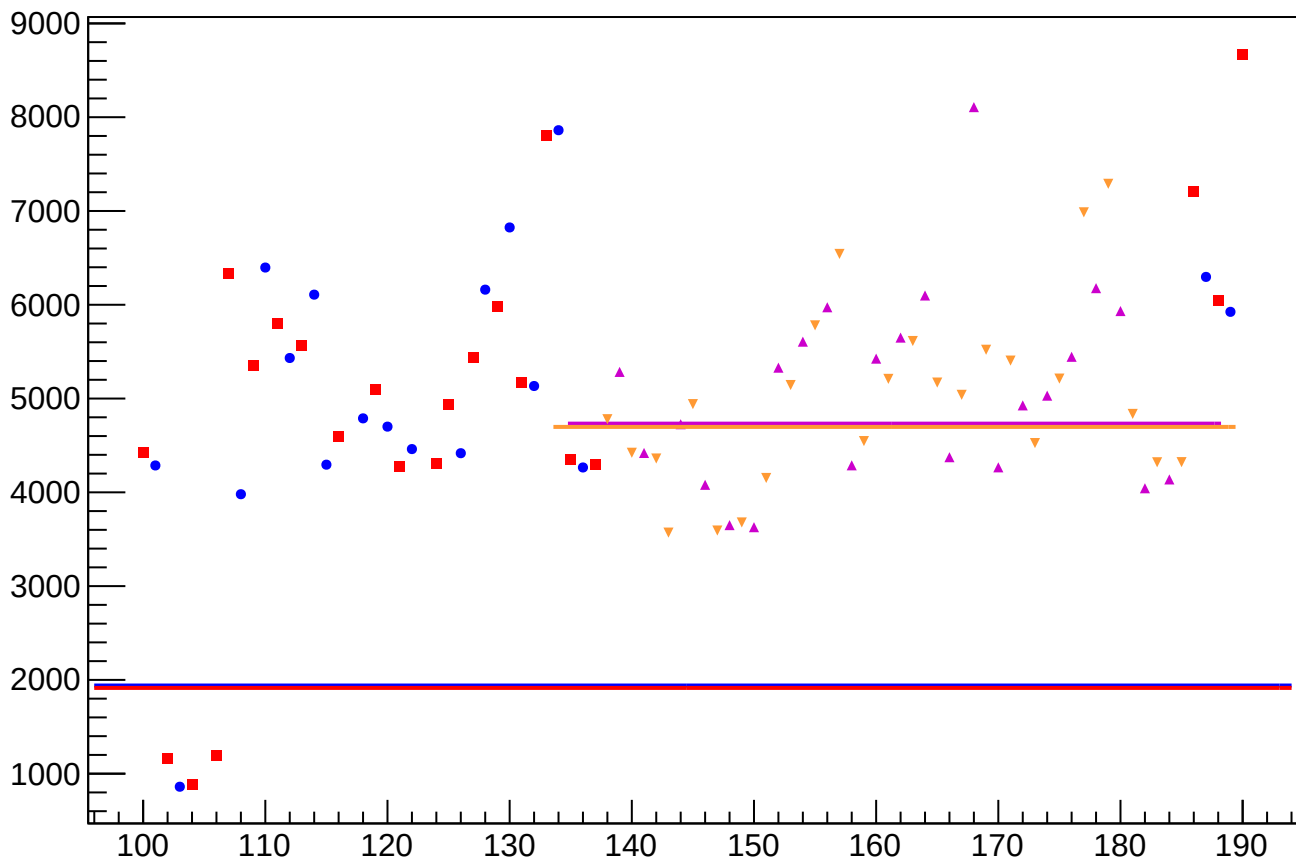
Left In: 157.968 $\pm$ 1128.443 χ^2 /NDF: 14.7/22

+ sign -288.960 $\pm$ 718.586 χ^2 /NDF: 42.2/42

All: 399.819 $\pm$ 503.010 χ^2 /NDF: 80.0/87

- sign 1061.585 $\pm$ 704.354 χ^2 /NDF: 36.0/44

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1939.976 $\pm$ 0.675 χ^2 /NDF: 7508815.0/17

Left Out: 4697.622 $\pm$ 0.772 χ^2 /NDF:1239373.0/24

Right Out: 1914.527 $\pm$ 0.637 χ^2 /NDF: 8220859.1/21

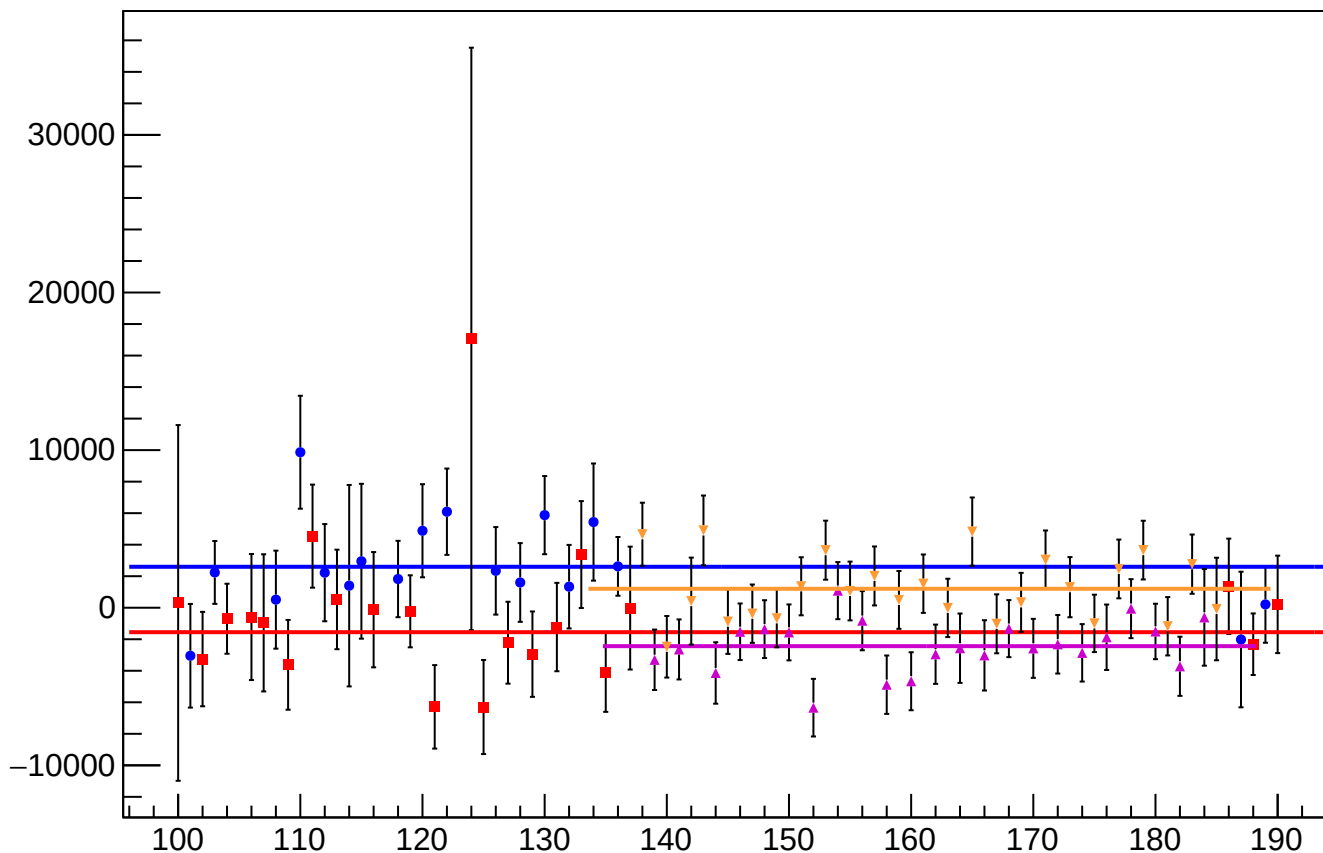
Left In: 4732.424 $\pm$ 0.798 χ^2 /NDF:1242793.9/22

+ sign 3134.156 $\pm$ 0.508 χ^2 /NDF: 15979728.4/42

All: 3072.054 $\pm$ 0.356 χ^2 /NDF: 33085279.4/8

- sign 3012.387 $\pm$ 0.498 χ^2 /NDF: 17076261.1/44

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2597.898 $\pm$ 660.419 χ^2/NDF : 14.8/17

Left Out: 1202.304 $\pm$ 389.137 χ^2/NDF : 26.3/24

Right Out: -1552.115 $\pm$ 635.346 χ^2/NDF : 17.3/21

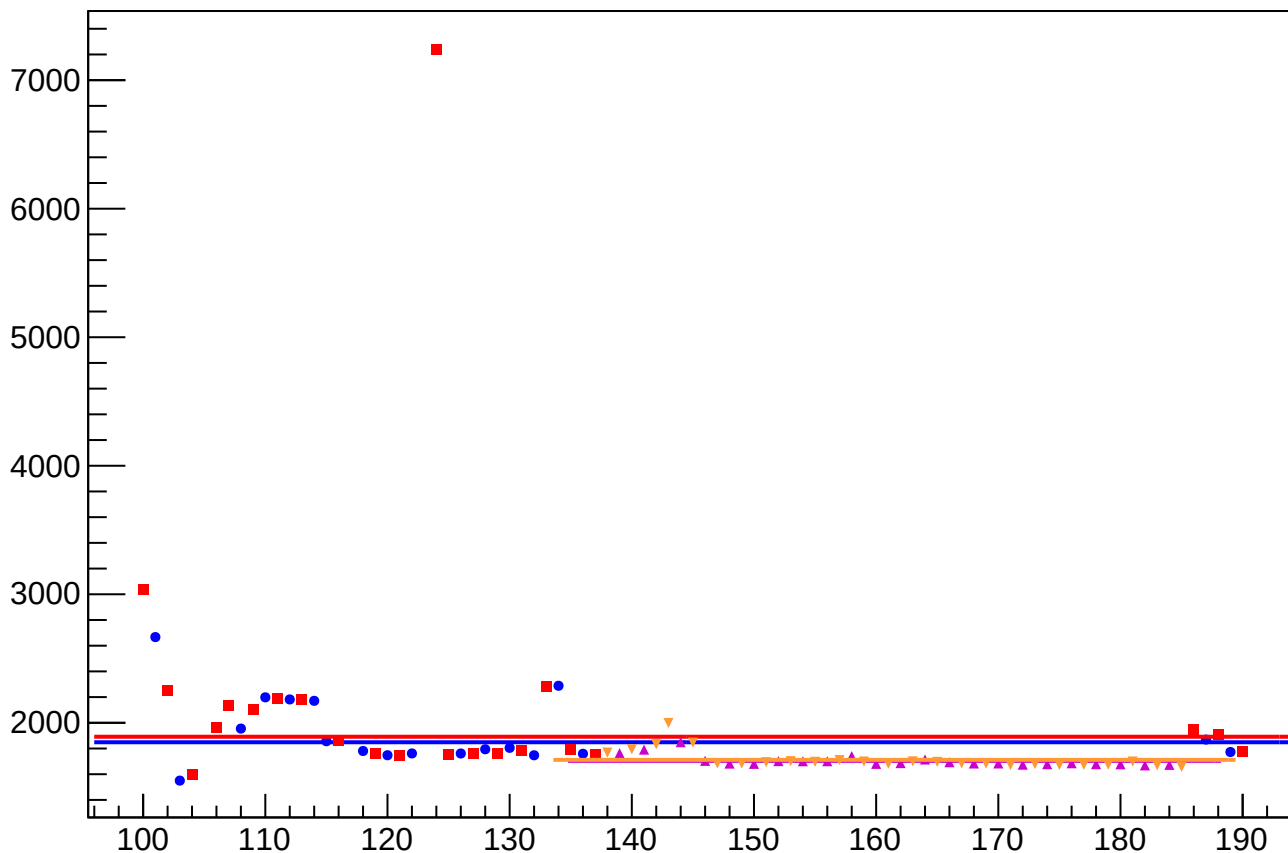
Left In: -2438.940 $\pm$ 397.969 χ^2/NDF : 17.5/22

+ sign 1561.967 $\pm$ 335.265 χ^2/NDF : 44.4/42

All: -302.368 $\pm$ 237.773 χ^2/NDF : 142.8/87

- sign -2189.040 $\pm$ 337.267 χ^2/NDF : 36.2/44

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1848.666 $\pm$ 0.467 χ^2 /NDF: 265446.4/17

Left Out: 1711.777 $\pm$ 0.275 χ^2 /NDF: 60068.7/24

Right Out: 1891.566 $\pm$ 0.448 χ^2 /NDF: 367736.9/21

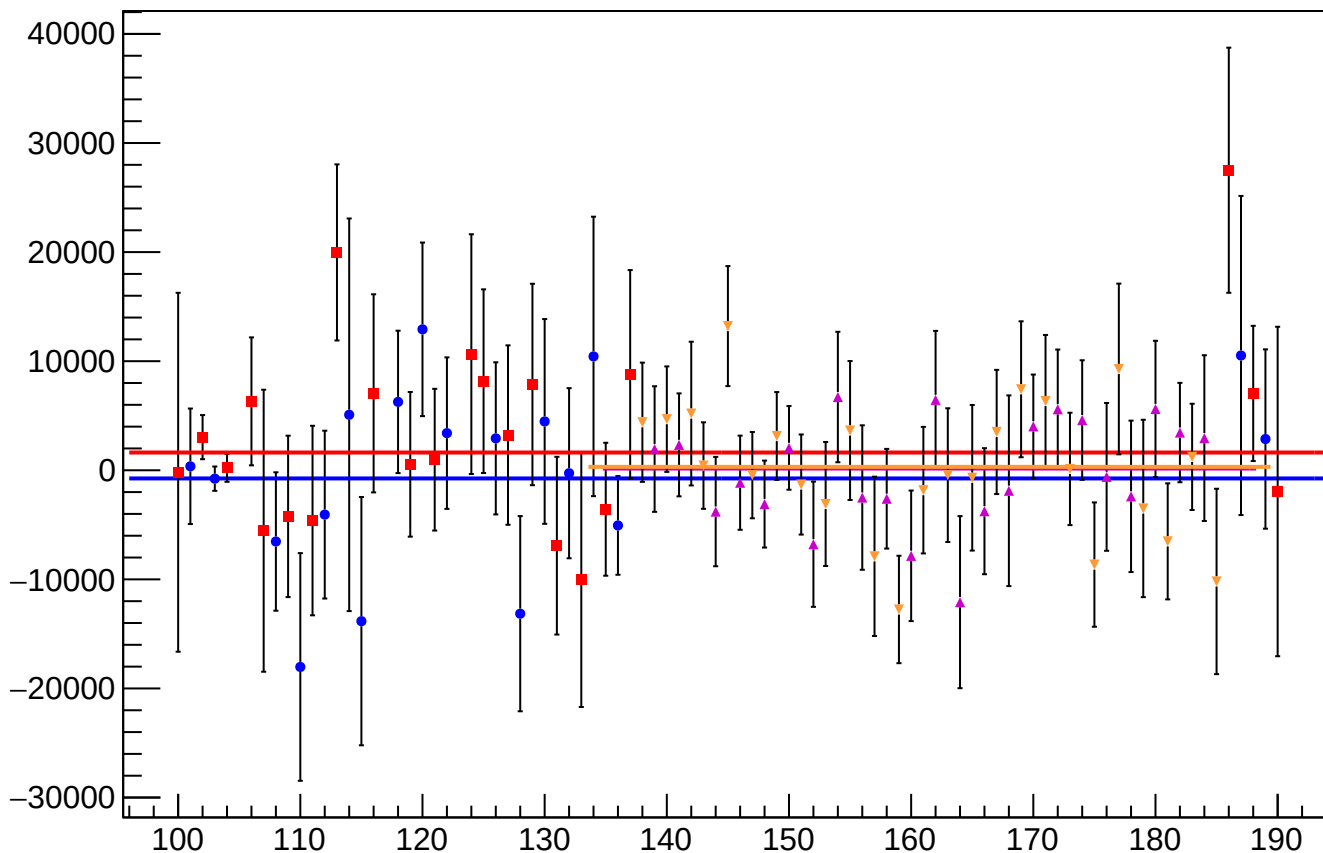
Left In: 1703.969 $\pm$ 0.281 χ^2 /NDF: 22568.8/22

+ sign 1747.055 $\pm$ 0.237 χ^2 /NDF: 389297.9/42

All: 1751.981 $\pm$ 0.168 χ^2 /NDF: 906008.0/87

- sign 1756.961 $\pm$ 0.238 χ^2 /NDF: 515841.8/44

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -749.084 $\pm$ 954.289 χ^2 /NDF: 14.7/17

Left Out: 314.084 $\pm$ 1091.975 χ^2 /NDF: 27.0/24

Right Out: 1628.362 $\pm$ 932.231 χ^2 /NDF: 20.7/21

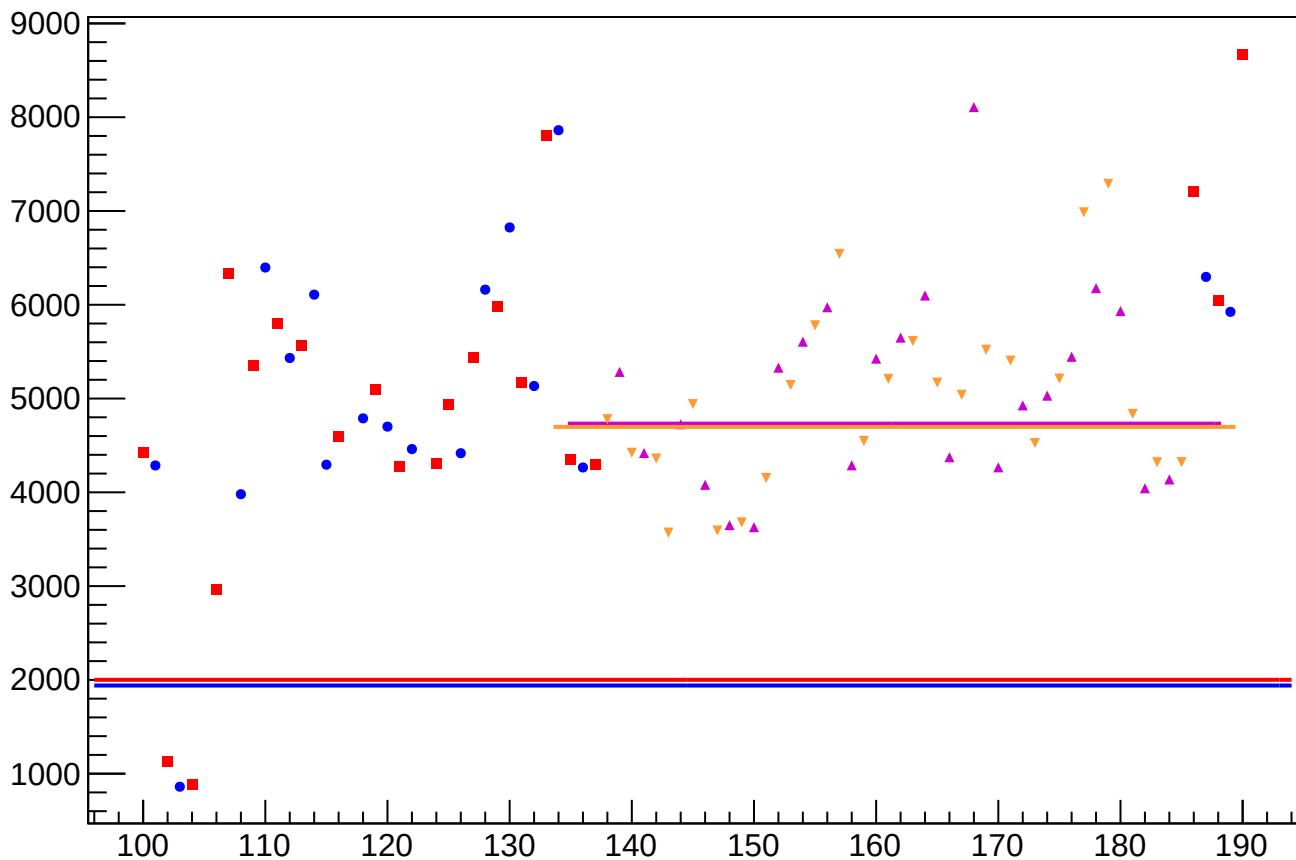
Left In: 157.977 $\pm$ 1128.443 χ^2 /NDF: 14.7/22

+ sign -288.714 $\pm$ 718.563 χ^2 /NDF: 42.2/42

All: 371.474 $\pm$ 508.150 χ^2 /NDF: 80.3/87

- sign 1031.918 $\pm$ 718.702 χ^2 /NDF: 36.4/44

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1939.818 $\pm$ 0.675 χ^2 /NDF: 7509286.9/17

Left Out: 4697.618 $\pm$ 0.772 χ^2 /NDF:1239387.1/24

Right Out: 2000.912 $\pm$ 0.659 χ^2 /NDF: 8184940.3/21

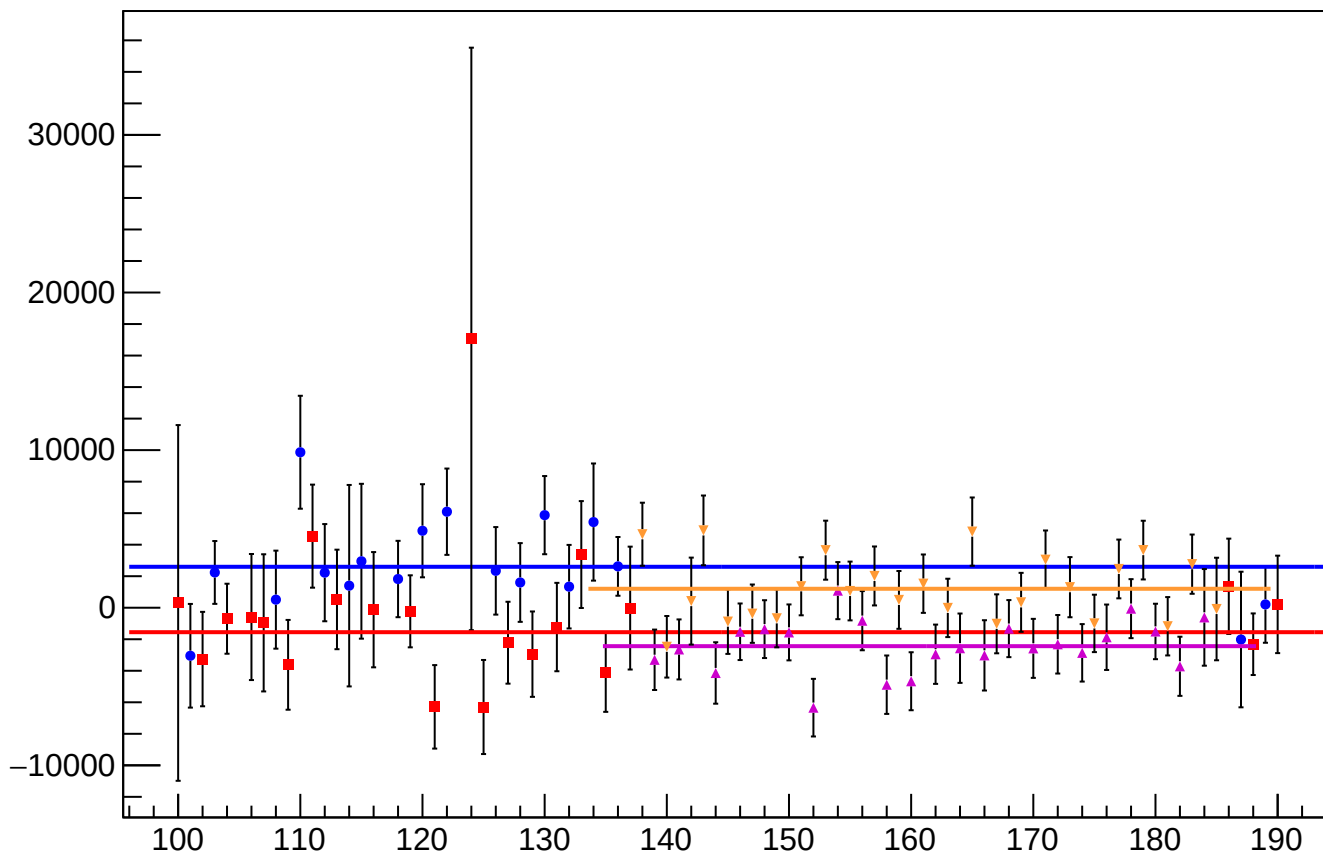
Left In: 4732.421 $\pm$ 0.798 χ^2 /NDF:1242809.3/22

+ sign 3133.992 $\pm$ 0.508 χ^2 /NDF: 15981372.3/42

All: 3121.456 $\pm$ 0.359 χ^2 /NDF: 32375437.2/8

- sign 3108.916 $\pm$ 0.508 χ^2 /NDF: 16392847.3/44

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2597.898 ± 660.419 χ^2/NDF : 14.8/17

Left Out: 1202.304 ± 389.137 χ^2/NDF : 26.3/24

Right Out: -1552.115 ± 635.346 χ^2/NDF : 17.3/21

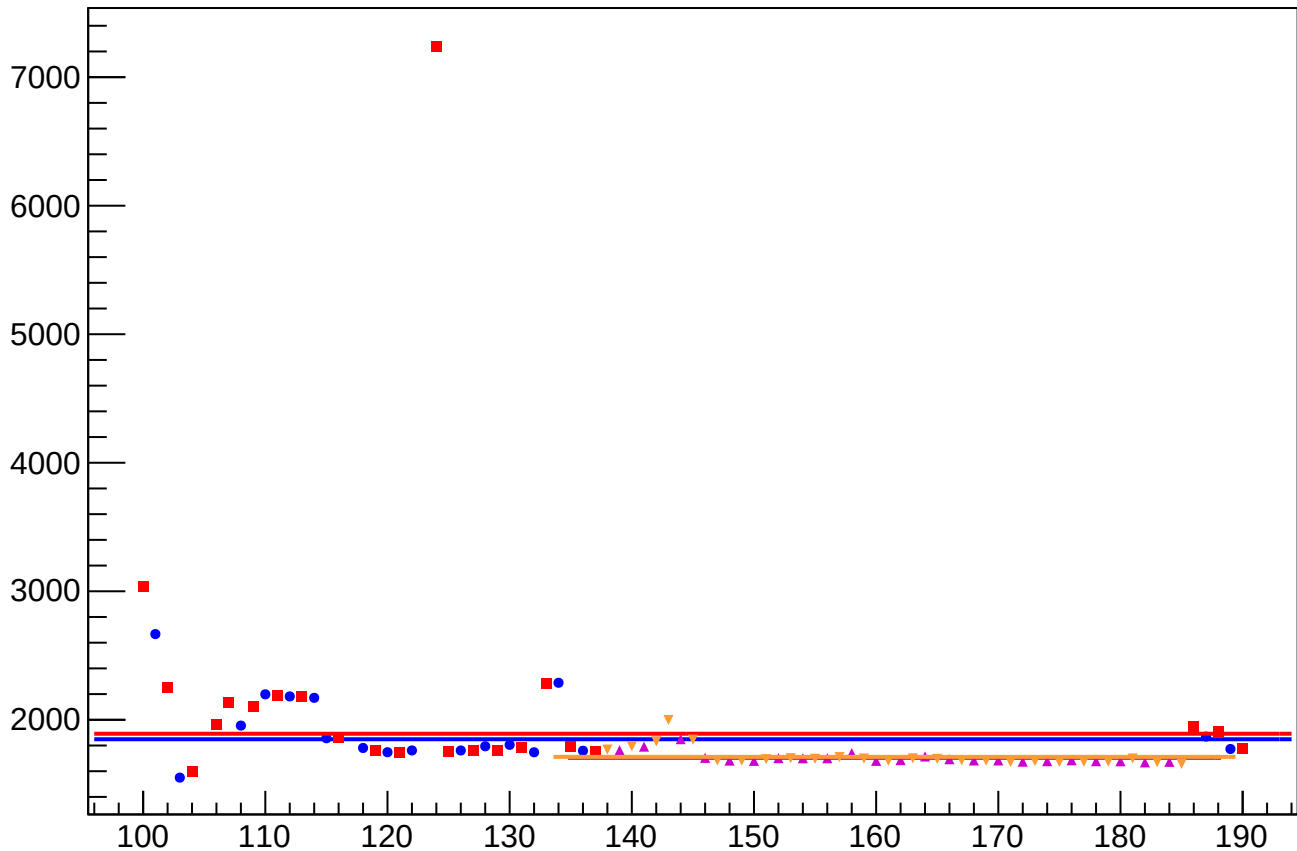
Left In: -2438.940 ± 397.969 χ^2/NDF : 17.5/22

+ sign 1561.967 ± 335.265 χ^2/NDF : 44.4/42

All: -302.368 ± 237.773 χ^2/NDF : 142.8/87

- sign -2189.040 ± 337.267 χ^2/NDF : 36.2/44

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1848.666 $\pm$ 0.467 χ^2 /NDF: 265446.4/17

Left Out: 1711.777 $\pm$ 0.275 χ^2 /NDF: 60068.7/24

Right Out: 1891.566 $\pm$ 0.448 χ^2 /NDF: 367736.9/21

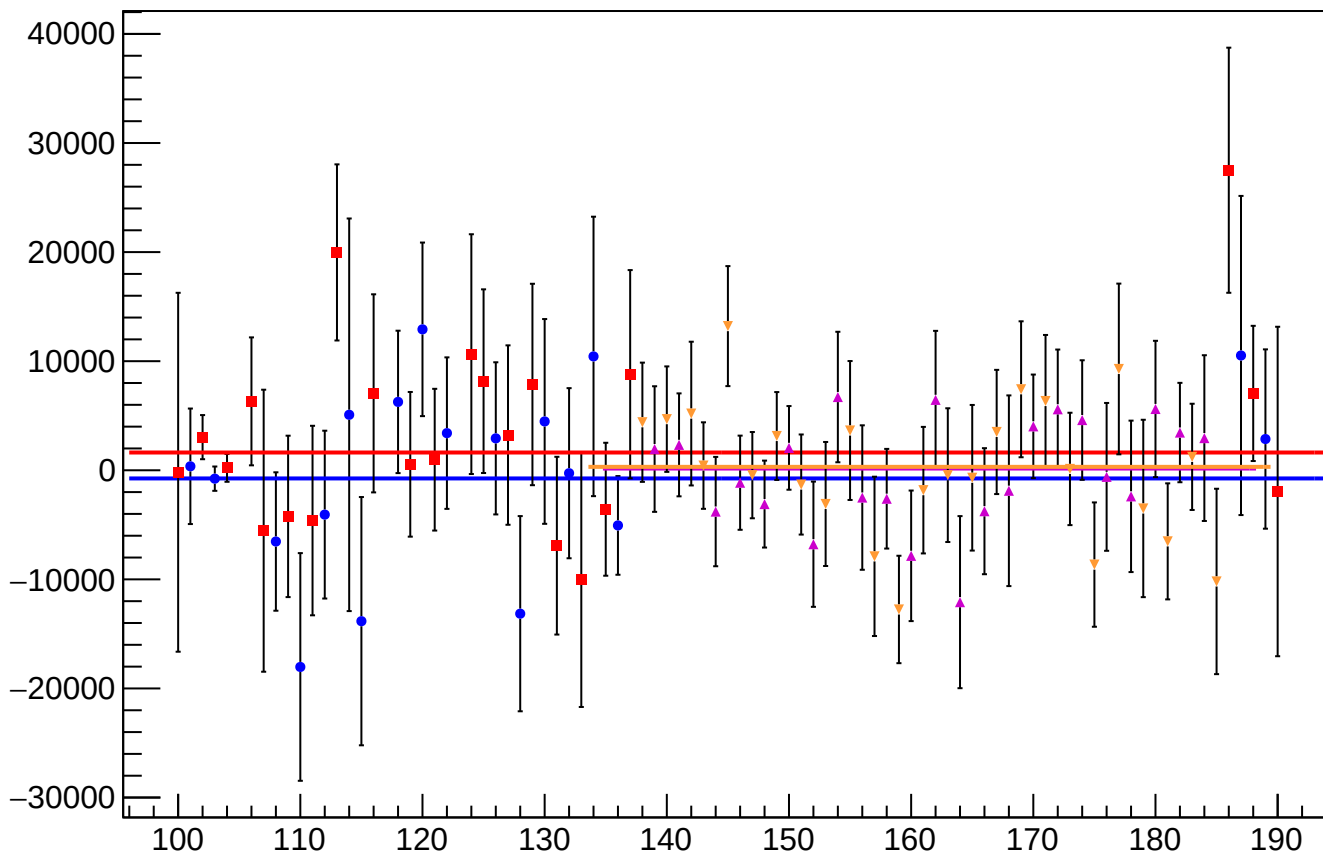
Left In: 1703.969 $\pm$ 0.281 χ^2 /NDF: 22568.8/22

+ sign 1747.055 $\pm$ 0.237 χ^2 /NDF: 389297.9/42

All: 1751.981 $\pm$ 0.168 χ^2 /NDF: 906008.0/87

- sign 1756.961 $\pm$ 0.238 χ^2 /NDF: 515841.8/44

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -749.084 $\pm$ 954.289 χ^2 /NDF: 14.7/17

Left Out: 314.084 $\pm$ 1091.975 χ^2 /NDF: 27.0/24

Right Out: 1628.362 $\pm$ 932.231 χ^2 /NDF: 20.7/21

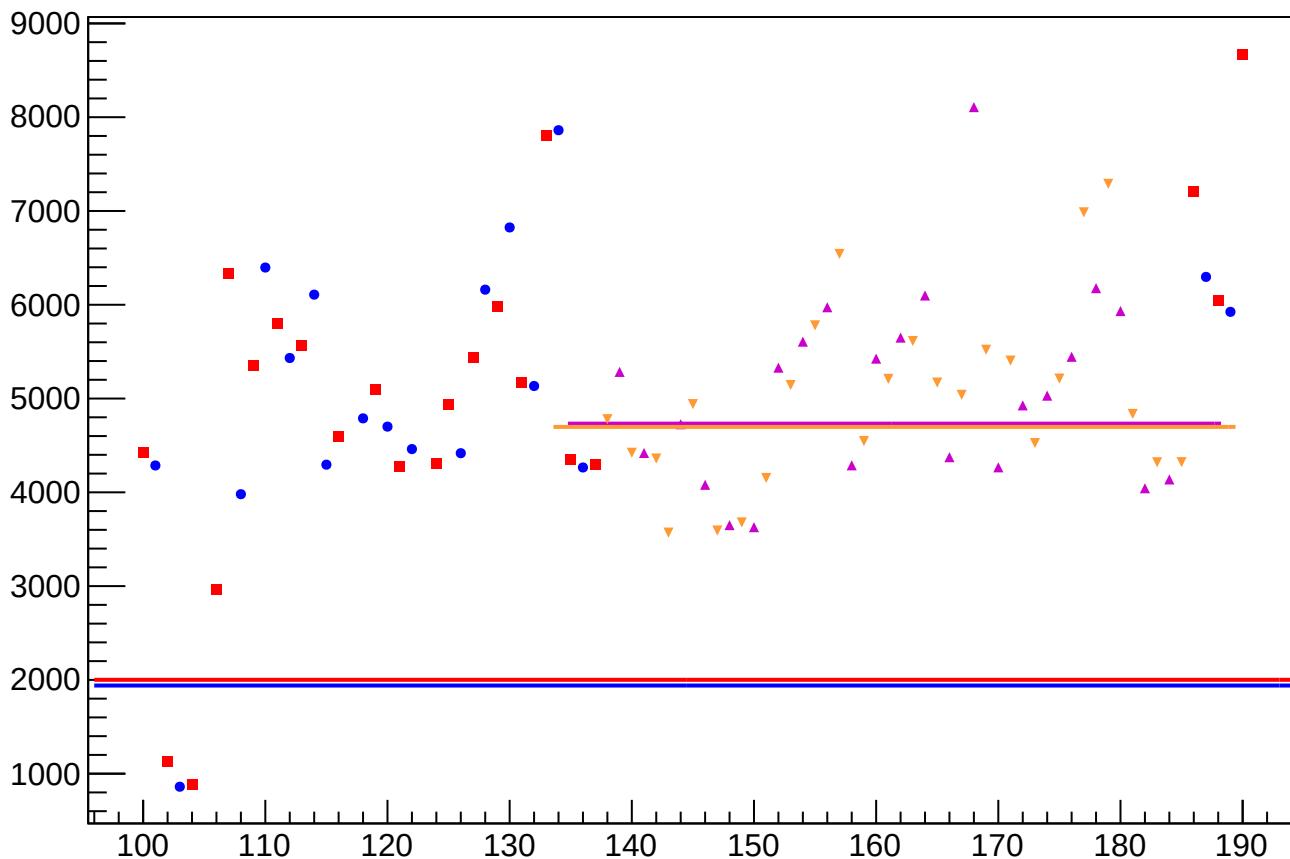
Left In: 157.977 $\pm$ 1128.443 χ^2 /NDF: 14.7/22

+ sign -288.714 $\pm$ 718.563 χ^2 /NDF: 42.2/42

All: 371.474 $\pm$ 508.150 χ^2 /NDF: 80.3/87

- sign 1031.918 $\pm$ 718.702 χ^2 /NDF: 36.4/44

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1939.818+/-0.675 χ^2/NDF : 7509286.9/17

Left Out: 4697.618+/-0.772 χ^2/NDF : 1239387.1/24

Right Out: 2000.912+/-0.659 χ^2/NDF : 8184940.3/21

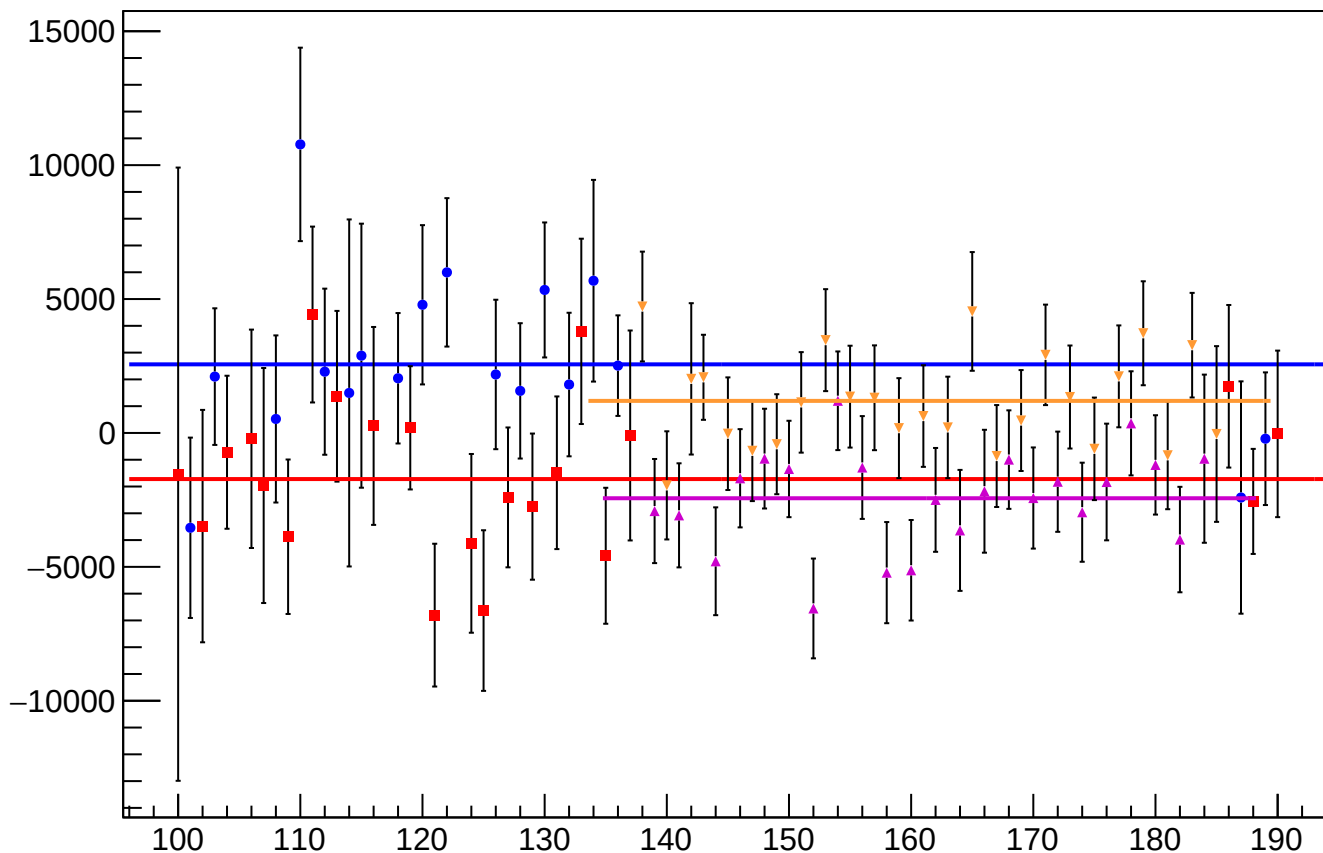
Left In: 4732.421+/-0.798 χ^2/NDF : 1242809.3/22

+ sign 3133.992+/-0.508 χ^2/NDF : 15981372.3/42

All: 3121.456+/-0.359 χ^2/NDF : 32375437.2/8

- sign 3108.916+/-0.508 χ^2/NDF : 16392847.3/44

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2561.763 $\pm$ 681.315 χ^2/NDF : 15.8/17

Left Out: 1197.362 $\pm$ 392.981 χ^2/NDF : 19.5/24

Right Out: -1721.636 $\pm$ 646.782 χ^2/NDF : 19.2/21

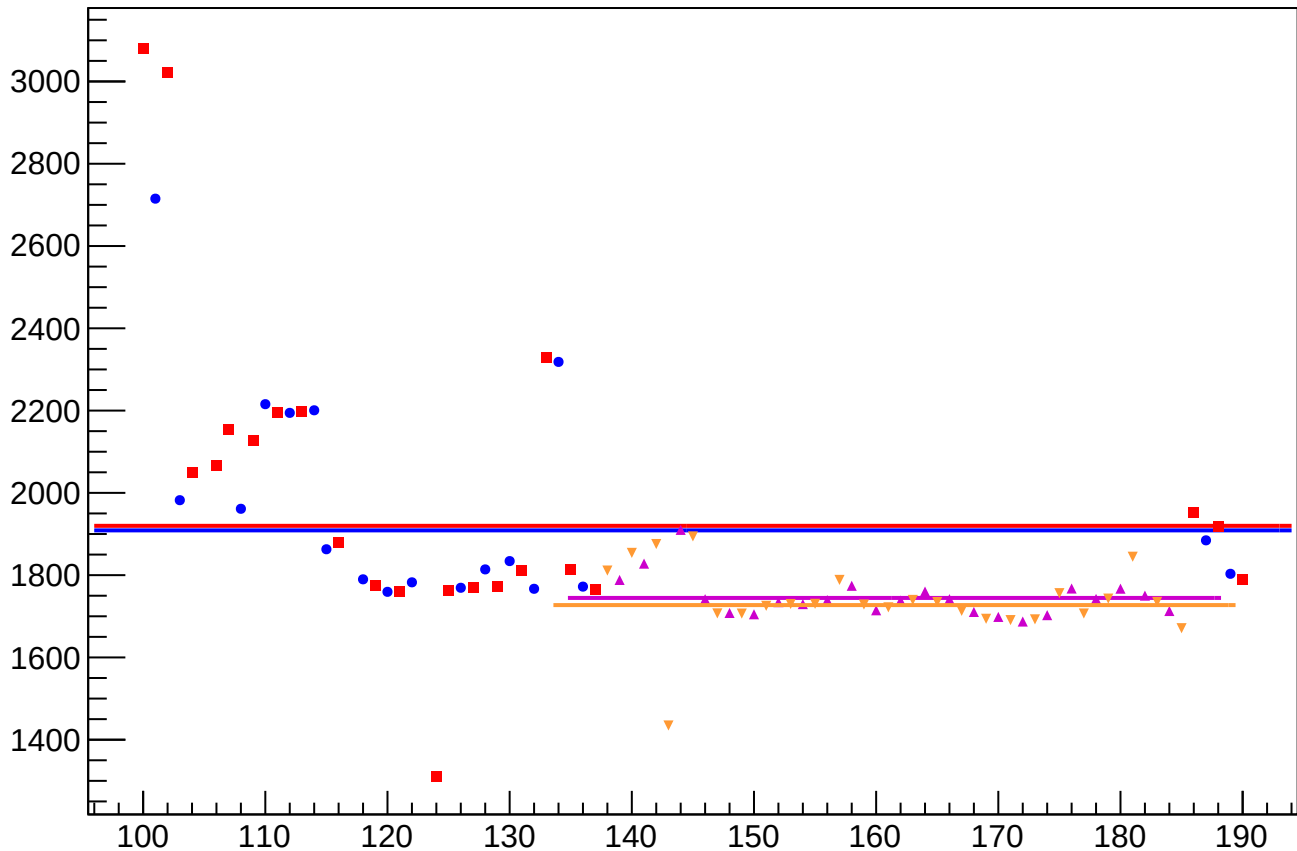
Left In: -2438.062 $\pm$ 407.551 χ^2/NDF : 20.6/22

+ sign 1537.973 $\pm$ 340.413 χ^2/NDF : 38.3/42

All: -324.049 $\pm$ 242.247 χ^2/NDF : 139.6/87

- sign -2234.448 $\pm$ 344.807 χ^2/NDF : 40.7/44

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1908.828 $\pm$ 0.482 χ^2 /NDF: 219638.8/17

Left Out: 1727.235 $\pm$ 0.278 χ^2 /NDF: 110270.9/24

Right Out: 1919.892 $\pm$ 0.457 χ^2 /NDF: 342979.0/21

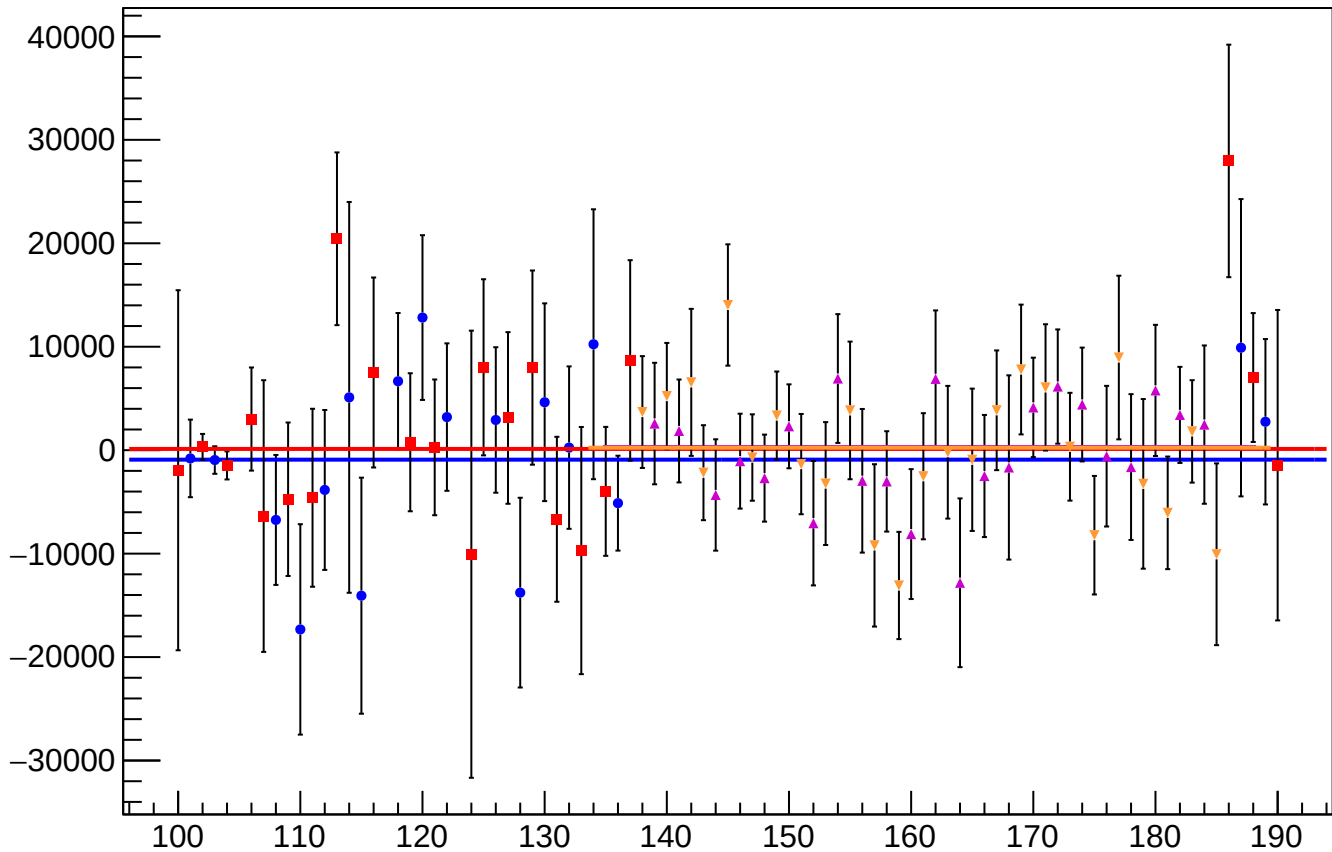
Left In: 1744.633 $\pm$ 0.288 χ^2 /NDF: 26798.0/22

+ sign 1772.568 $\pm$ 0.241 χ^2 /NDF: 436520.1/42

All: 1783.390 $\pm$ 0.171 χ^2 /NDF: 915605.6/87

- sign 1794.490 $\pm$ 0.244 χ^2 /NDF: 474990.9/44

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -915.687 ± 1059.988 χ^2/NDF : 14.6/17

Left Out: 241.131 ± 1140.961 χ^2/NDF : 26.7/24

Right Out: 119.717 ± 824.746 χ^2/NDF : 21.2/21

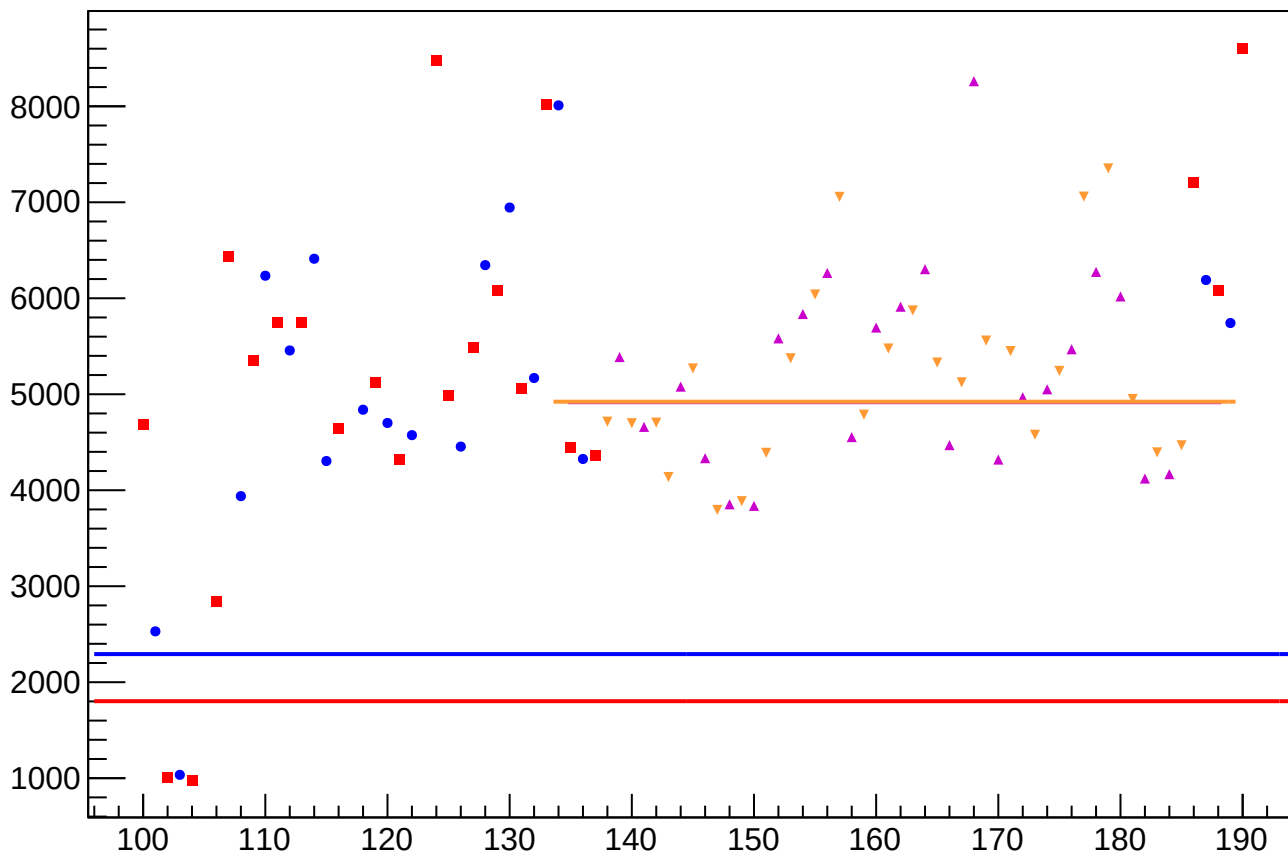
Left In: 306.106 ± 1171.019 χ^2/NDF : 14.5/22

+ sign -379.780 ± 776.574 χ^2/NDF : 41.9/42

All: -59.758 ± 509.146 χ^2/NDF : 77.9/87

- sign 181.517 ± 674.294 χ^2/NDF : 35.7/44

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2292.705 ± 0.750 $\chi^2/\text{NDF}: 6030776.2/17$

Left Out: 4922.380 ± 0.807 $\chi^2/\text{NDF}: 1050408.0/24$

Right Out: 1802.191 ± 0.583 $\chi^2/\text{NDF}: 8718057.8/21$

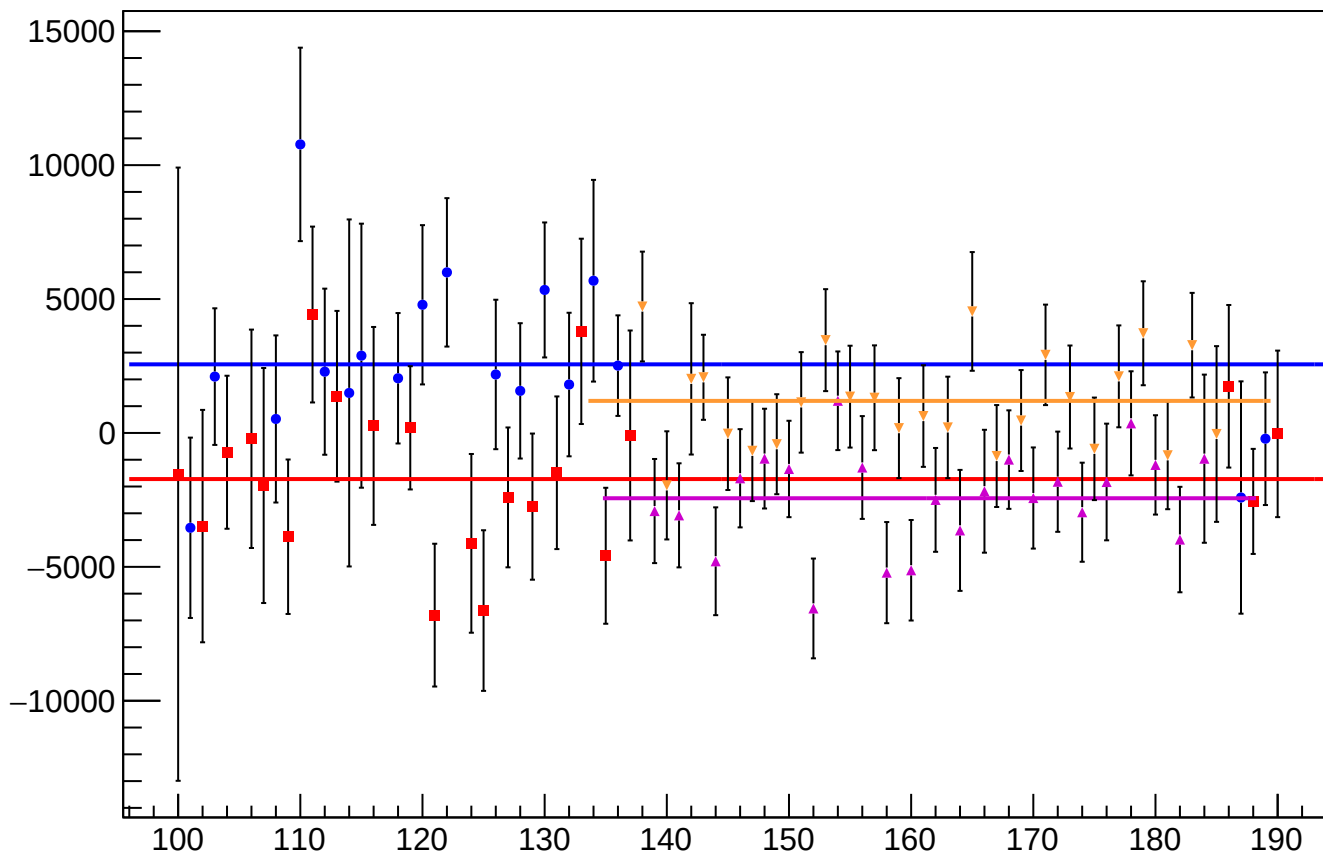
Left In: 4916.964 ± 0.828 $\chi^2/\text{NDF}: 1161642.5/22$

+ sign 3510.927 ± 0.549 $\chi^2/\text{NDF}: 12783578.3/42$

All: 3125.518 ± 0.360 $\chi^2/\text{NDF}: 32985599.5/8$

- sign 2834.946 ± 0.477 $\chi^2/\text{NDF}: 19338006.8/44$

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2561.764 $\pm$ 681.314 χ^2/NDF : 15.8/17

Left Out: 1197.356 $\pm$ 392.981 χ^2/NDF : 19.5/24

Right Out: -1721.640 $\pm$ 646.782 χ^2/NDF : 19.2/21

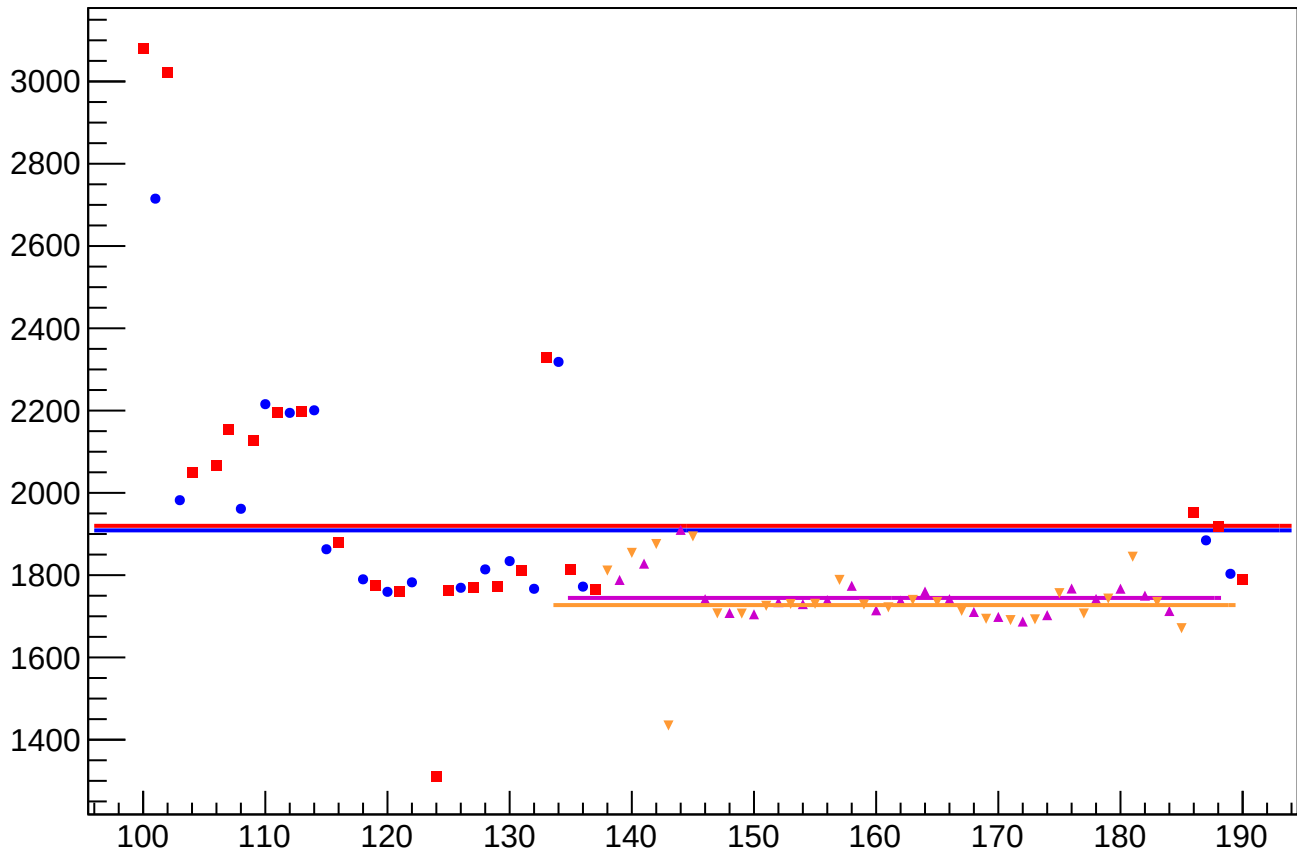
Left In: -2438.062 $\pm$ 407.552 χ^2/NDF : 20.6/22

+ sign 1537.969 $\pm$ 340.413 χ^2/NDF : 38.3/42

All: -324.051 $\pm$ 242.247 χ^2/NDF : 139.6/87

- sign -2234.449 $\pm$ 344.807 χ^2/NDF : 40.7/44

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1908.827+/-0.482 χ^2/NDF : 219639.0/17

Left Out: 1727.236+/-0.278 χ^2/NDF : 110269.9/24

Right Out: 1919.892+/-0.457 χ^2/NDF : 342978.0/21

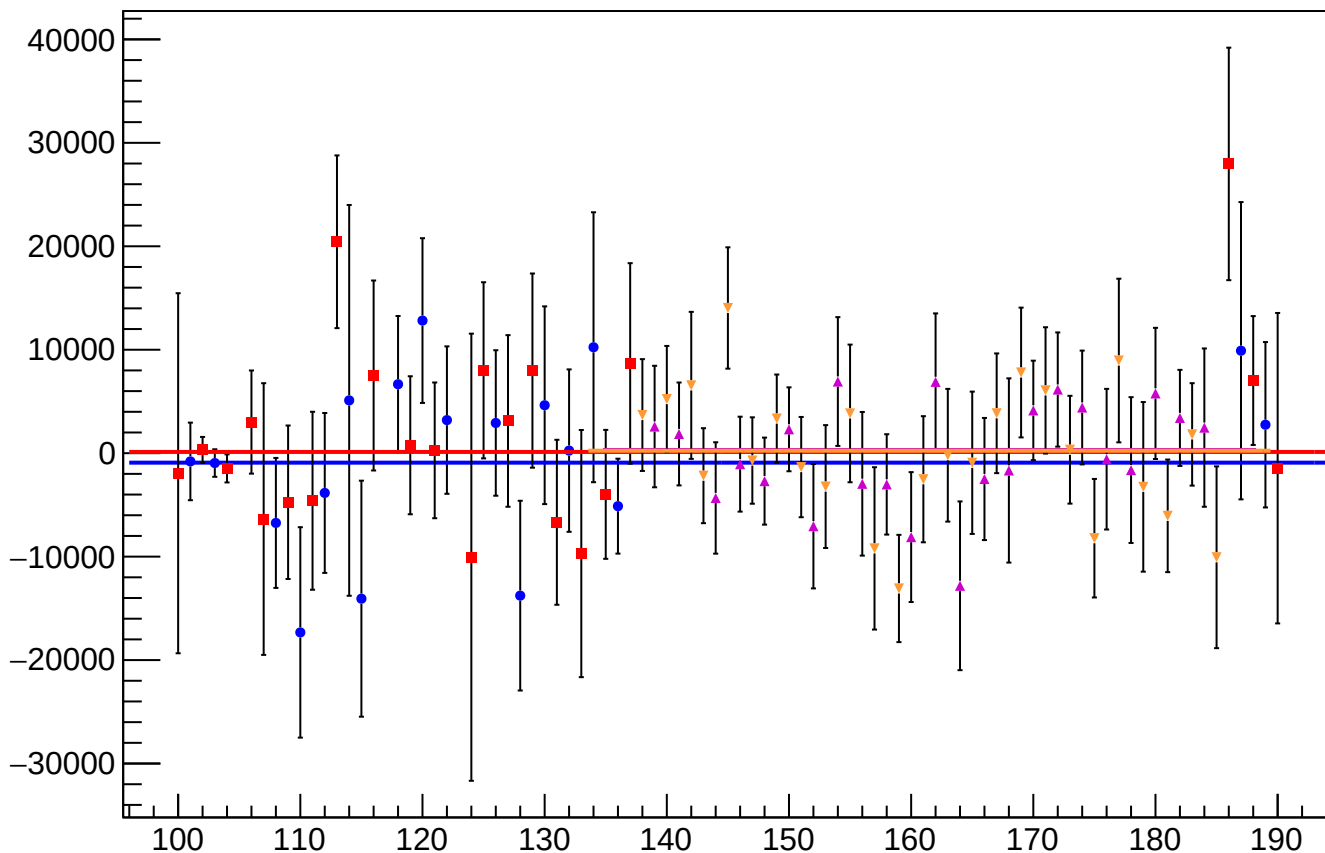
Left In: 1744.633+/-0.288 χ^2/NDF : 26798.0/22

+ sign 1772.568+/-0.241 χ^2/NDF : 436517.5/42

All: 1783.391+/-0.171 χ^2/NDF : 915600.6/87

- sign 1794.490+/-0.244 χ^2/NDF : 474988.5/44

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -915.685 ± 1059.987 χ^2/NDF : 14.6/17

Left Out: 241.128 ± 1140.962 χ^2/NDF : 26.7/24

Right Out: 119.722 ± 824.745 χ^2/NDF : 21.2/21

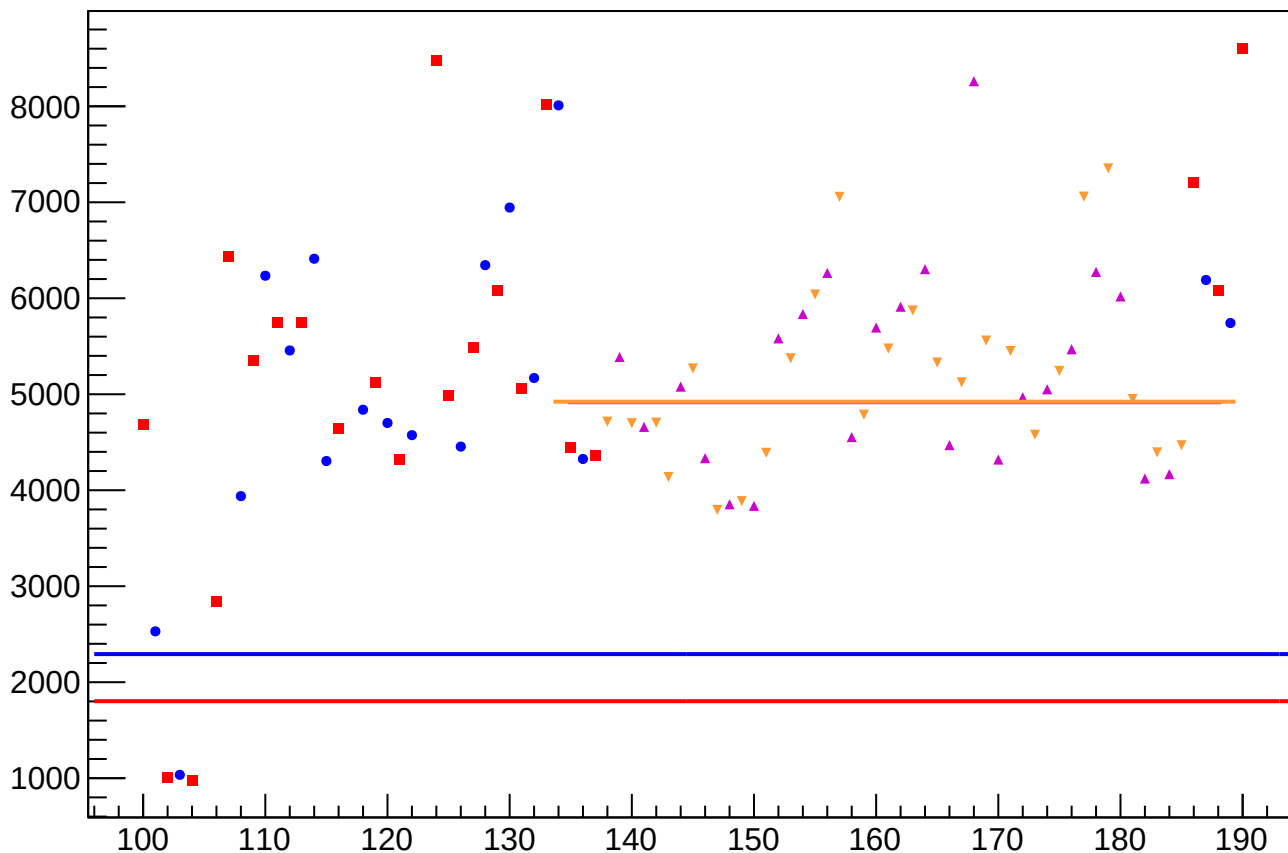
Left In: 306.109 ± 1171.021 χ^2/NDF : 14.5/22

+ sign -379.781 ± 776.574 χ^2/NDF : 41.9/42

All: -59.756 ± 509.147 χ^2/NDF : 77.9/87

- sign 181.521 ± 674.294 χ^2/NDF : 35.7/44

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2292.704+/-0.750 χ^2/NDF : 6030770.6/17

Left Out: 4922.388+/-0.807 χ^2/NDF :1050409.4/24

Right Out: 1802.190+/-0.583 χ^2/NDF : 8718050.4/21

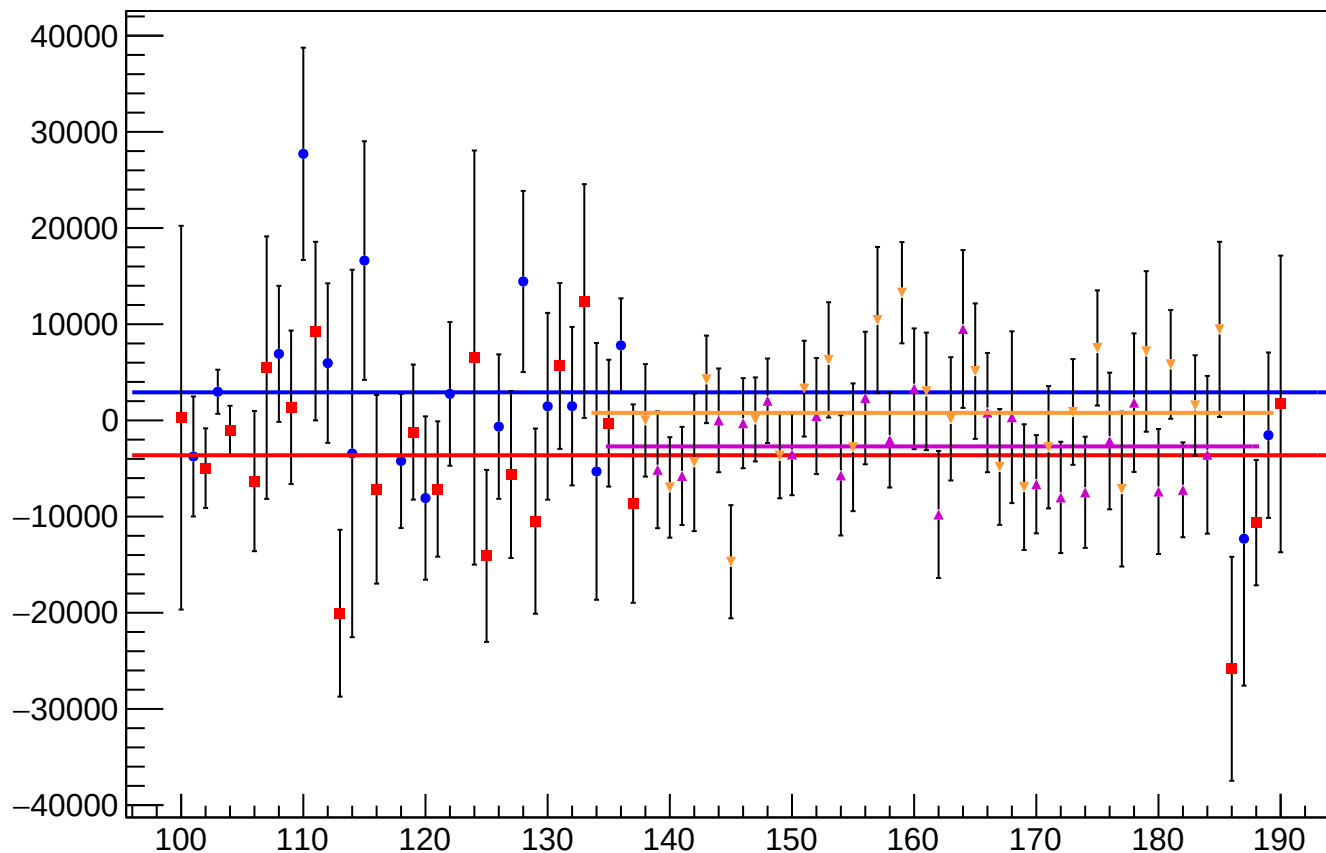
Left In: 4916.972+/-0.828 χ^2/NDF :1161645.9/22

+ sign 3510.927+/-0.549 χ^2/NDF : 12783606.9/42

All: 3125.518+/-0.360 χ^2/NDF : 32985658.2/8

- sign 2834.945+/-0.477 χ^2/NDF : 19338034.9/44

asym_atl1r2_avg_mean vs Slug



Right In: 2918.385 $\pm$ 1507.783 χ^2 /NDF: 15.1/17

Left Out: 787.965 $\pm$ 1171.964 χ^2 /NDF: 27.6/24

Right Out: -3621.720 $\pm$ 1490.337 χ^2 /NDF: 18.5/21

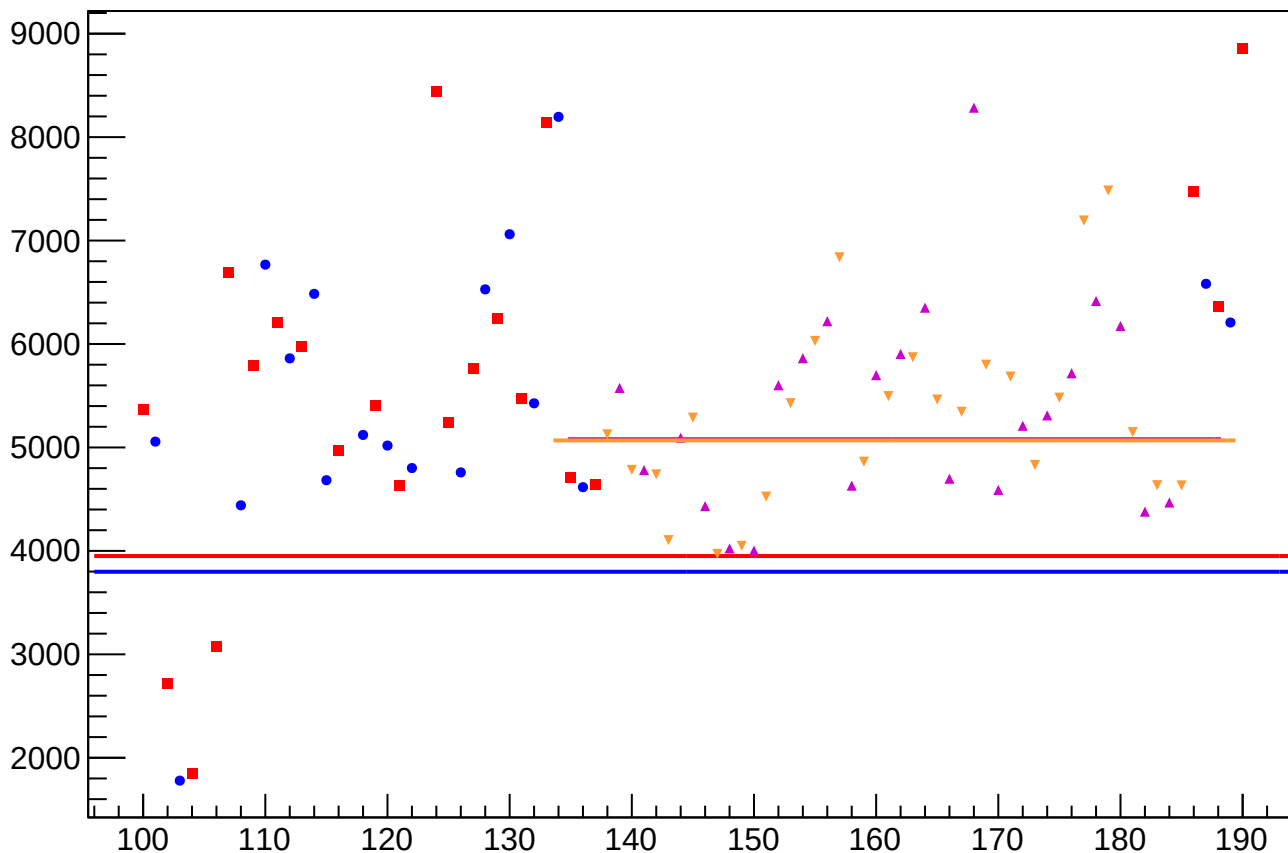
Left In: -2705.532 $\pm$ 1206.281 χ^2 /NDF: 11.9/22

+ sign 1590.324 $\pm$ 925.317 χ^2 /NDF: 43.9/42

All: -708.133 $\pm$ 658.609 χ^2 /NDF: 87.1/87

- sign -3068.176 $\pm$ 937.632 χ^2 /NDF: 30.7/44

asym_atl1r2_avg_rms vs Slug



Right In: 3798.276+/-1.066 χ^2/NDF : 3118477.7/17

Left Out: 5067.898+/-0.829 χ^2/NDF :954253.8/24

Right Out: 3950.266+/-1.044 χ^2/NDF : 3394412.0/21

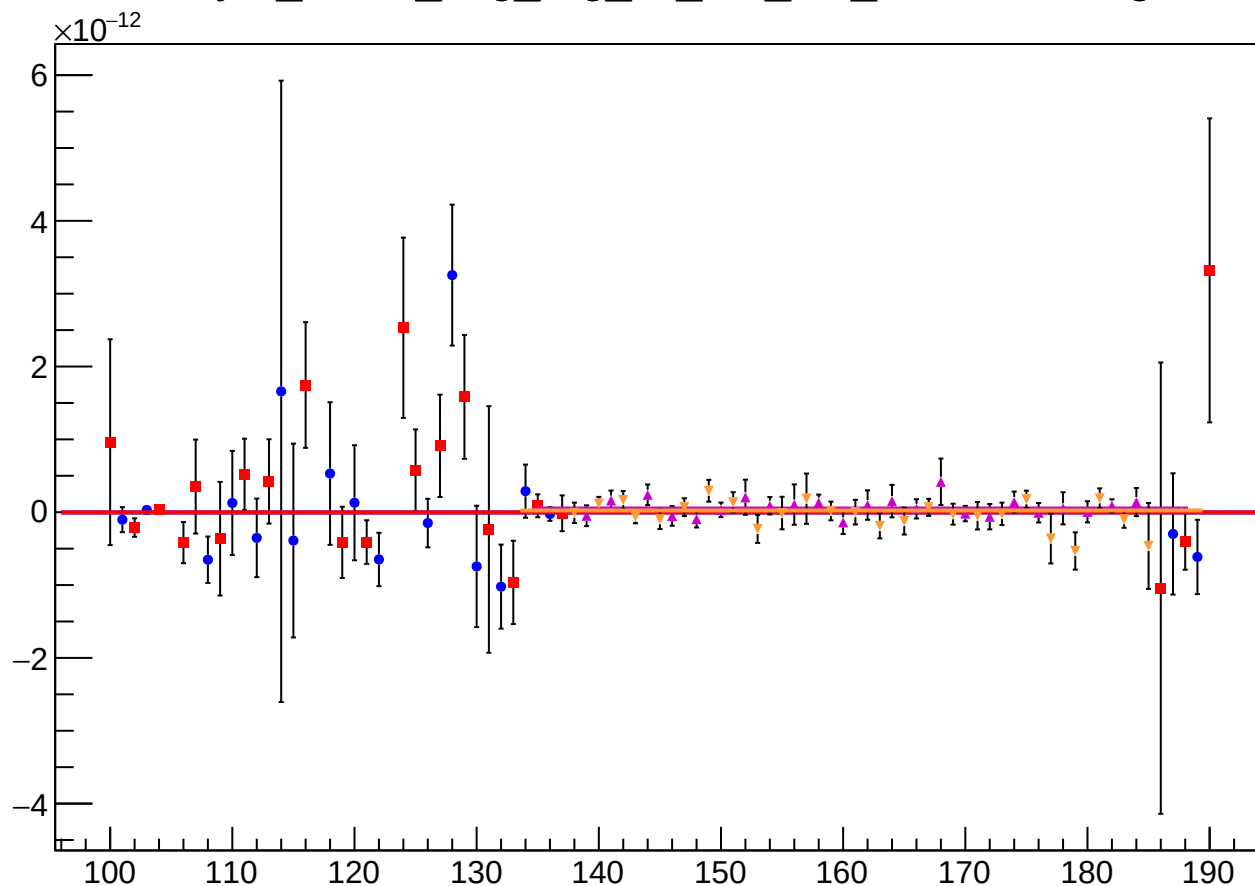
Left In: 5079.715+/-0.853 χ^2/NDF :1001241.5/22

+ sign 4589.733+/-0.654 χ^2/NDF : 4956734.2/42

All: 4608.510+/-0.465 χ^2/NDF : 10055832.0/8

- sign 4627.648+/-0.661 χ^2/NDF : 5097434.8/44

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 27.0/17$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 23.6/24$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 31.9/21$

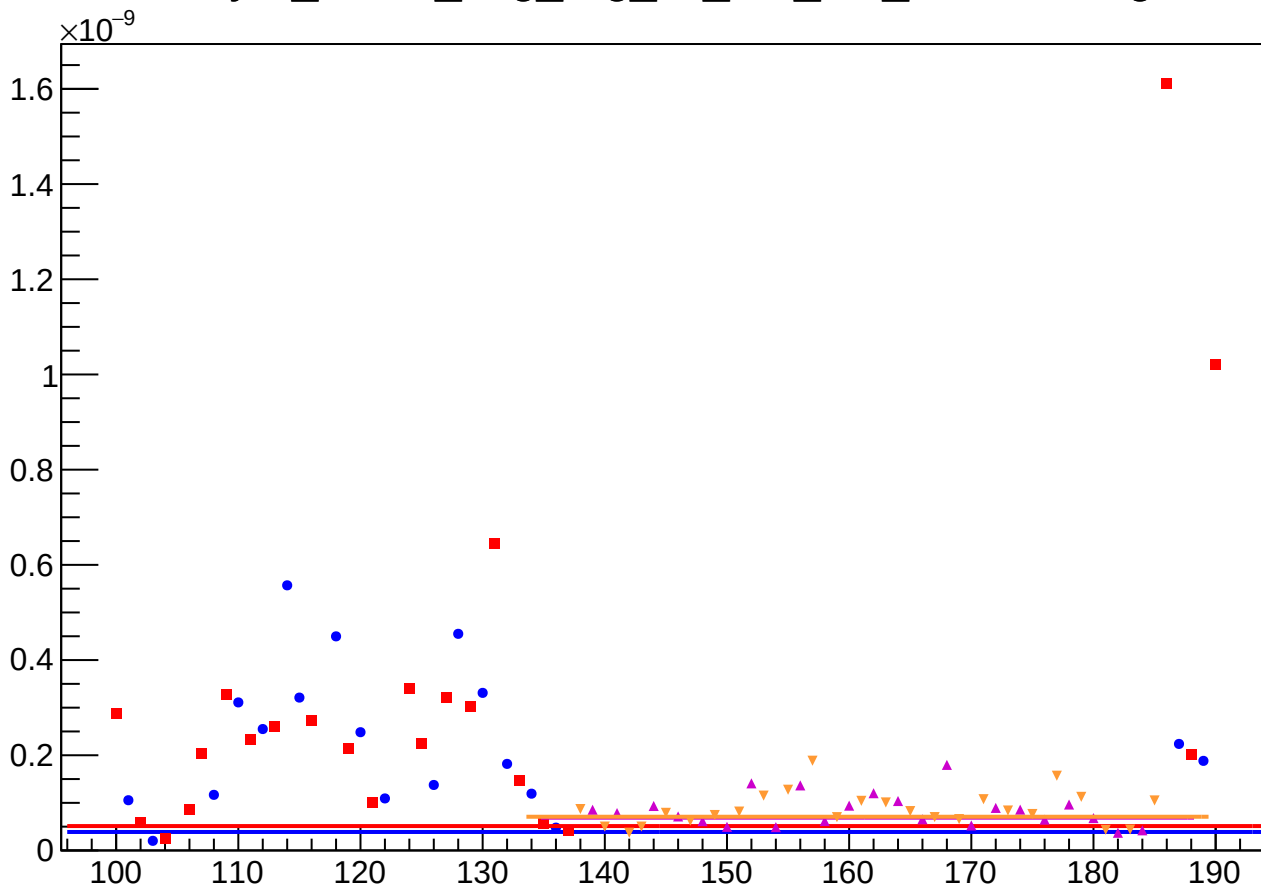
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 11.0/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 51.0/42$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 95.2/87$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 43.9/44$

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3413032.4/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1489228.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4137865.7/21

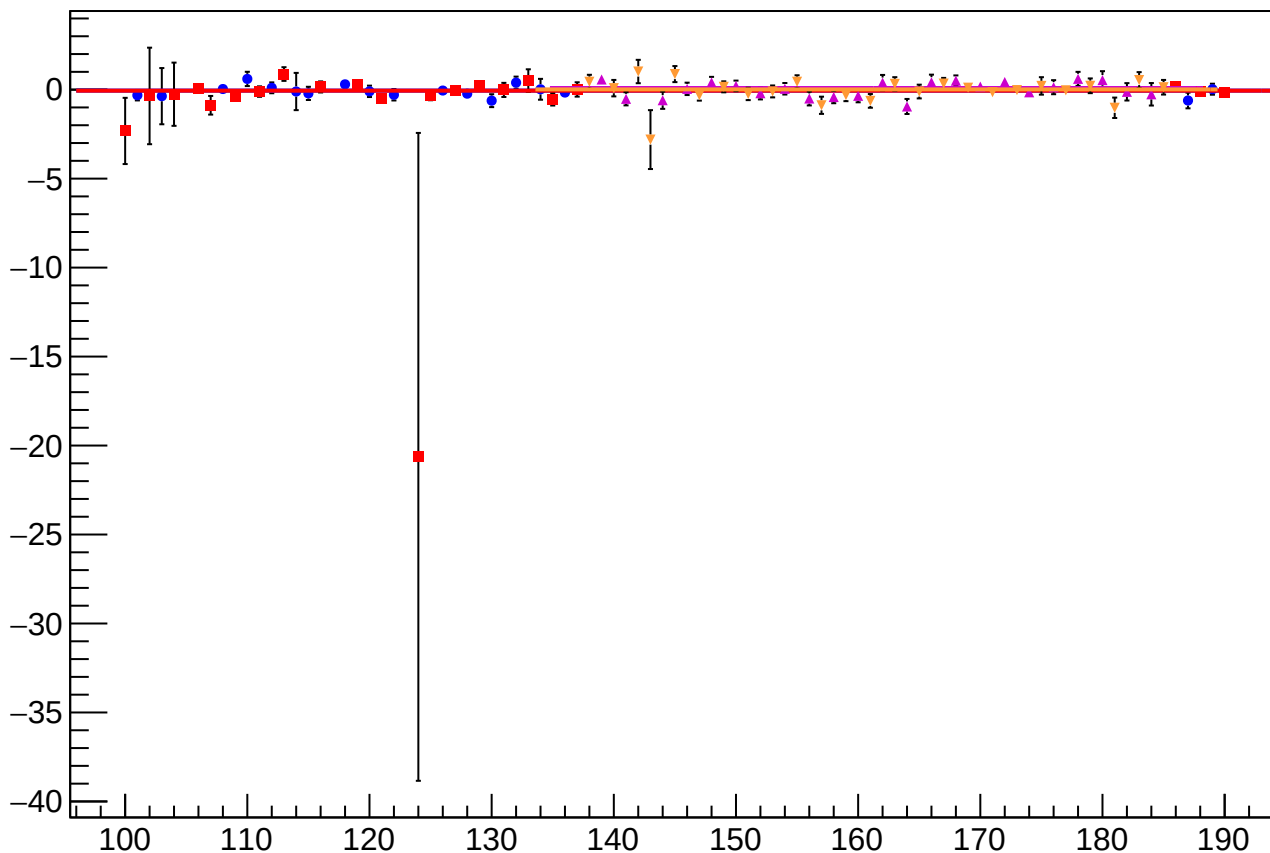
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1432116.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5858334.5/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 11694146.0/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5788314.5/44

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.054 ± 0.074 χ^2/NDF : 13.4/17

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.058 ± 0.060 χ^2/NDF : 25.2/21

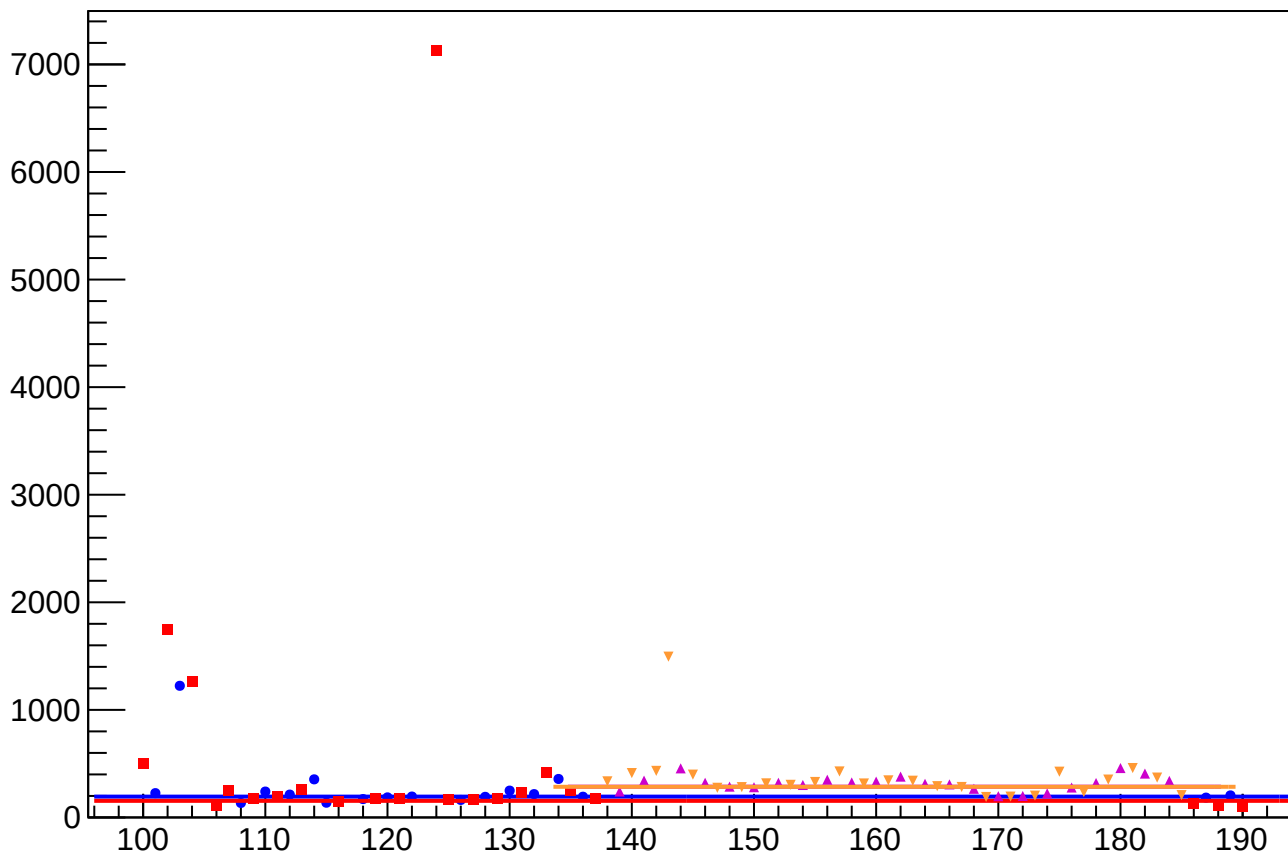
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign -0.017 ± 0.051 χ^2/NDF : 42.1/42

All: -0.005 ± 0.034 χ^2/NDF : 100.9/87

- sign 0.004 ± 0.045 χ^2/NDF : 58.7/44

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 193.673+/-0.053 χ^2/NDF : 1412038.6/17

Left Out: 285.036+/-0.049 χ^2/NDF : 3407001.6/24

Right Out: 154.368+/-0.042 χ^2/NDF : 3267944.3/21

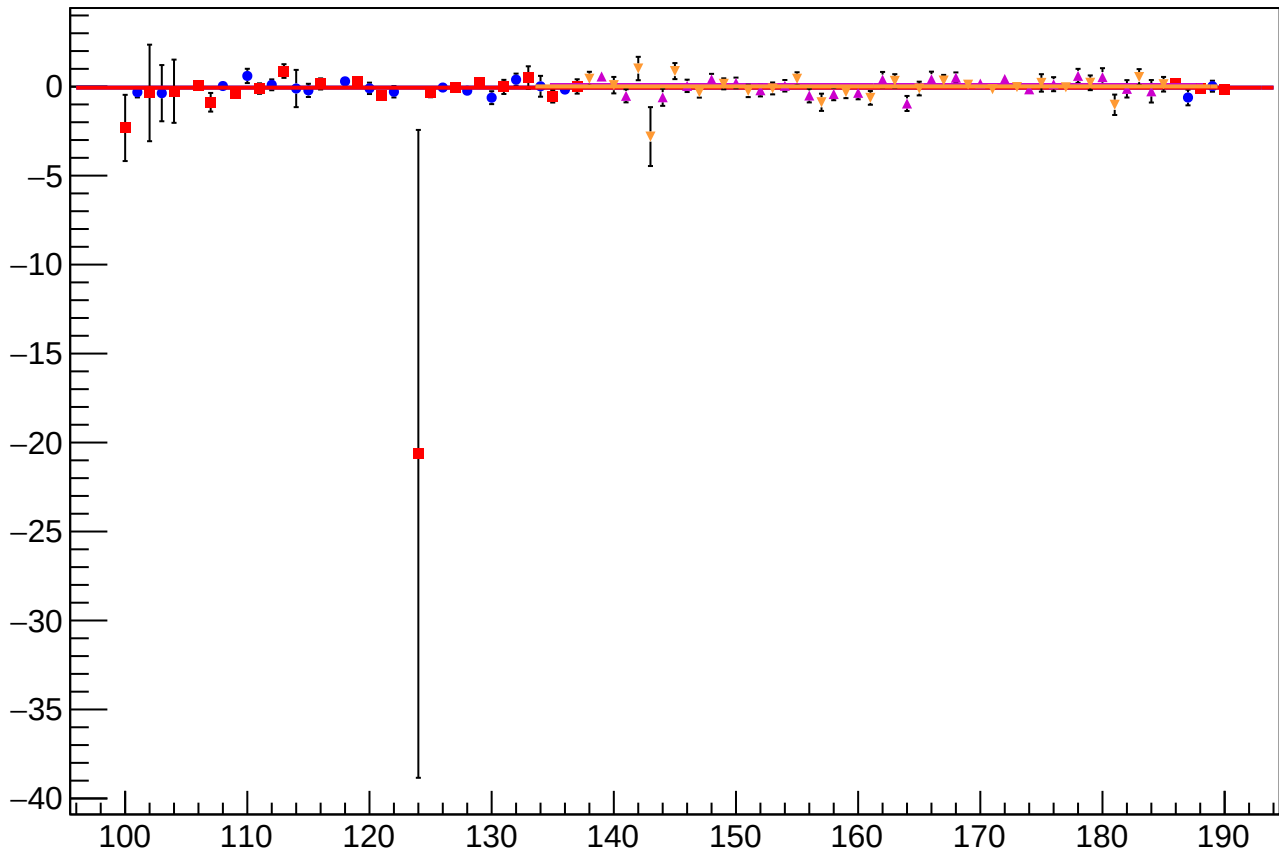
Left In: 285.869+/-0.050 χ^2/NDF : 1744706.1/22

+ sign 242.202+/-0.036 χ^2/NDF : 6424569.2/42

All: 223.859+/-0.024 χ^2/NDF : 15970665.7/87

- sign 209.209+/-0.032 χ^2/NDF : 9078627.3/44

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.054 ± 0.074 $\chi^2/\text{NDF}: 13.4/17$

Left Out: 0.014 ± 0.070 $\chi^2/\text{NDF}: 28.3/24$

Right Out: -0.058 ± 0.060 $\chi^2/\text{NDF}: 25.2/21$

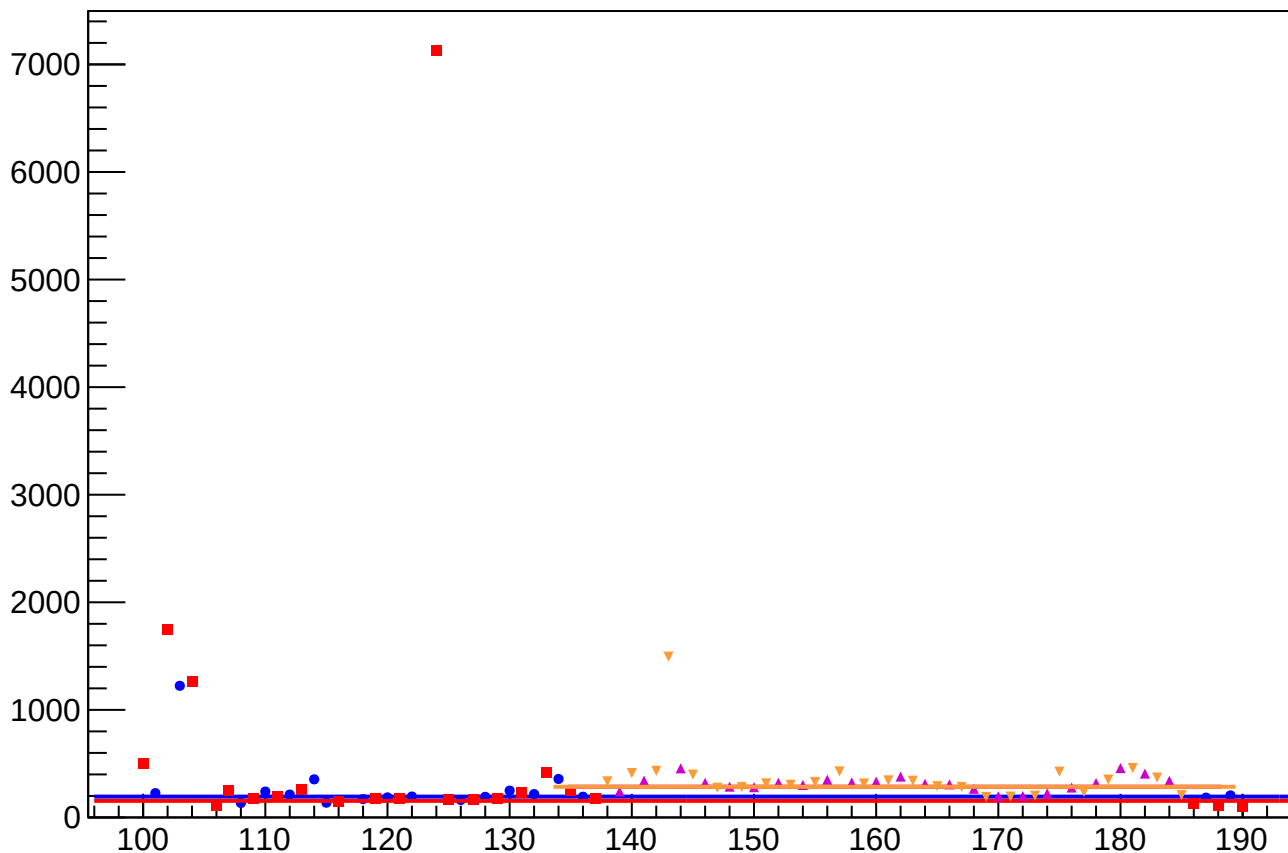
Left In: 0.091 ± 0.070 $\chi^2/\text{NDF}: 30.9/22$

+ sign -0.017 ± 0.051 $\chi^2/\text{NDF}: 42.1/42$

All: -0.005 ± 0.034 $\chi^2/\text{NDF}: 100.9/87$

- sign 0.004 ± 0.045 $\chi^2/\text{NDF}: 58.7/44$

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.673 $\pm$ 0.053 χ^2 /NDF: 1412038.6/17

Left Out: 285.036 $\pm$ 0.049 χ^2 /NDF: 3407001.6/24

Right Out: 154.368 $\pm$ 0.042 χ^2 /NDF: 3267944.3/21

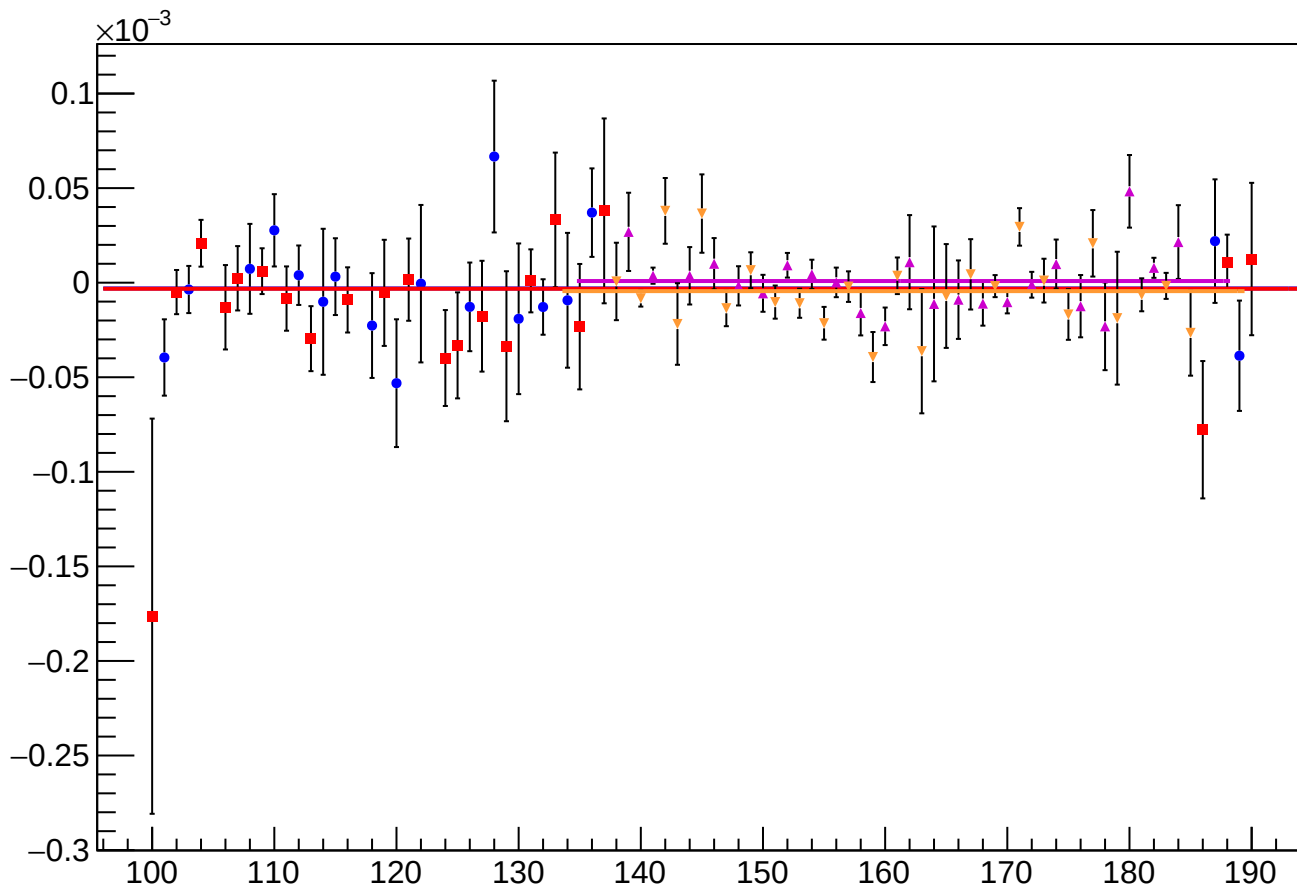
Left In: 285.869 $\pm$ 0.050 χ^2 /NDF: 1744706.1/22

+ sign 242.202 $\pm$ 0.036 χ^2 /NDF: 6424569.2/42

All: 223.859 $\pm$ 0.024 χ^2 /NDF: 15970665.7/87

- sign 209.209 $\pm$ 0.032 χ^2 /NDF: 9078627.3/44

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.9/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.6/21

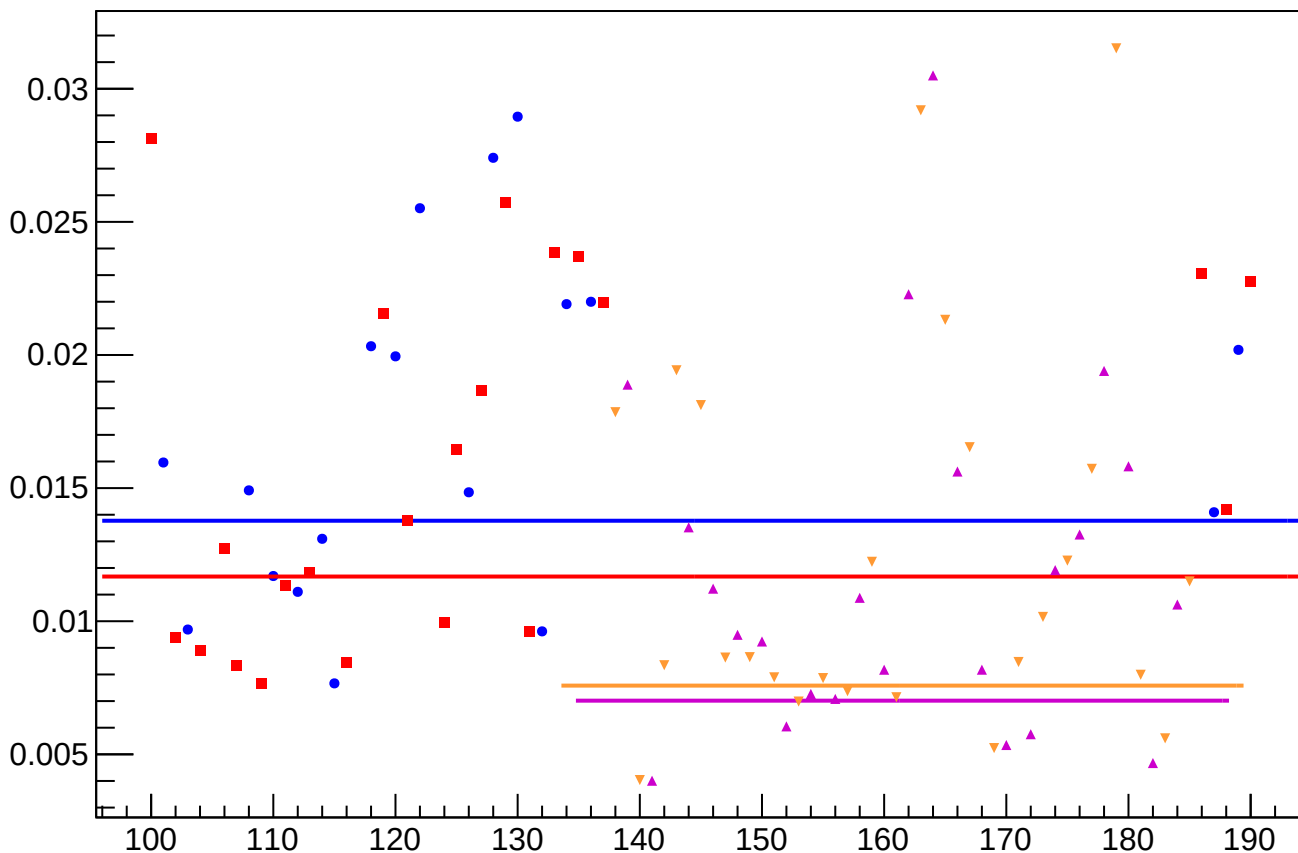
Left In: 0.000 ± 0.000 χ^2/NDF : 29.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 61.9/42

All: -0.000 ± 0.000 χ^2/NDF : 116.3/87

- sign 0.000 ± 0.000 χ^2/NDF : 51.3/44

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1978327.6/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 7351454.7/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2322749.7/21

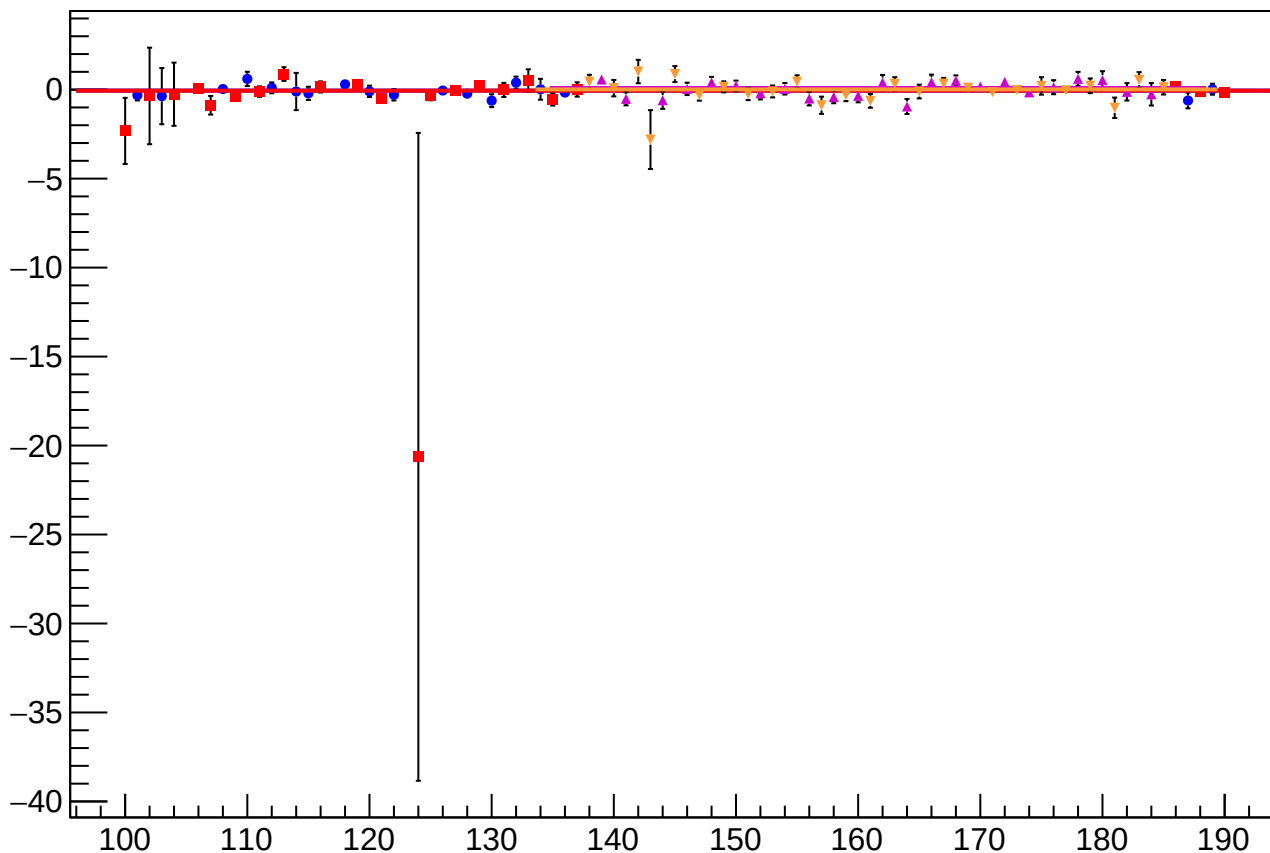
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6740679.5/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 11736937.4/42

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 22915204.8/87

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 11091117.9/44

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.054 ± 0.074 $\chi^2/\text{NDF}: 13.4/17$

Left Out: 0.014 ± 0.070 $\chi^2/\text{NDF}: 28.3/24$

Right Out: -0.058 ± 0.060 $\chi^2/\text{NDF}: 25.2/21$

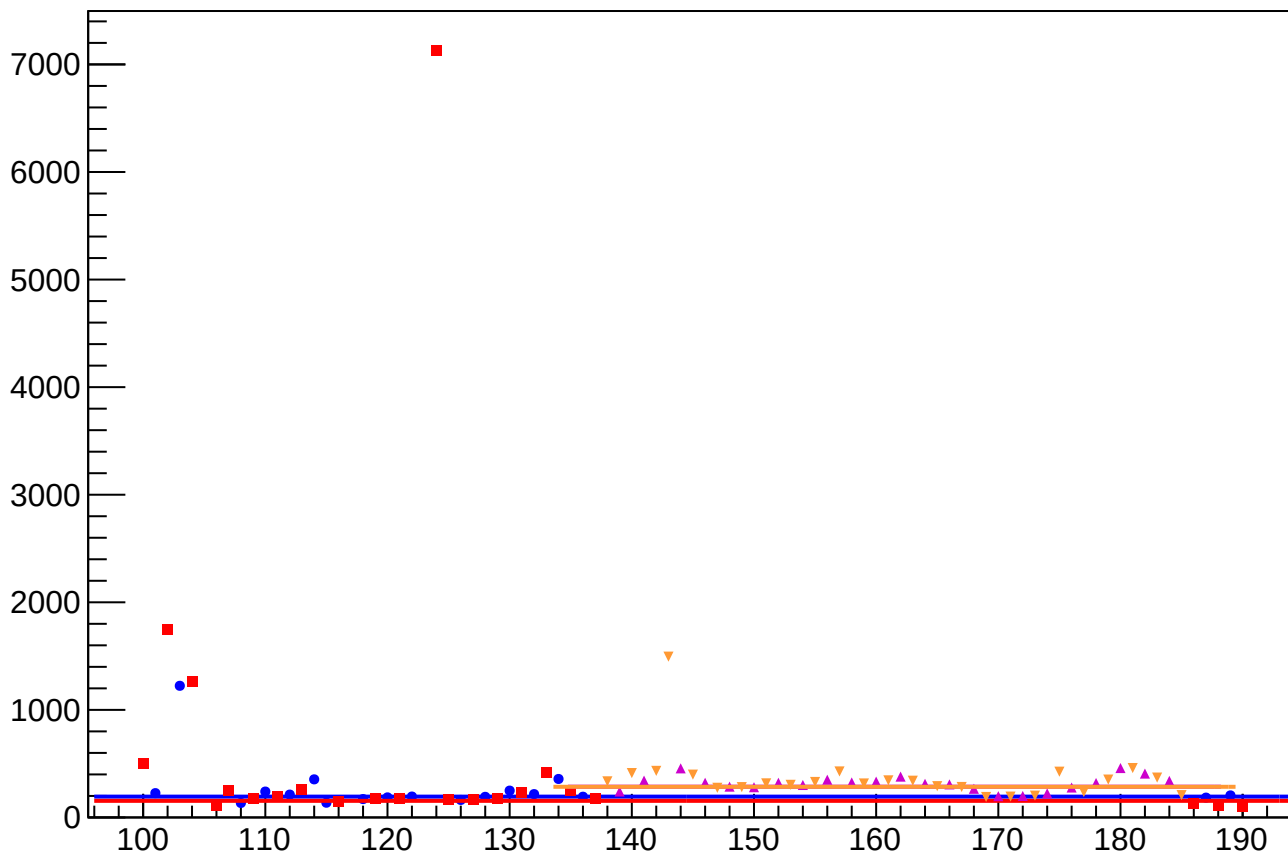
Left In: 0.091 ± 0.070 $\chi^2/\text{NDF}: 30.9/22$

+ sign -0.017 ± 0.051 $\chi^2/\text{NDF}: 42.1/42$

All: -0.005 ± 0.034 $\chi^2/\text{NDF}: 100.9/87$

- sign 0.004 ± 0.045 $\chi^2/\text{NDF}: 58.7/44$

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 193.672 $\pm$ 0.053 χ^2 /NDF: 1412035.0/17

Left Out: 285.039 $\pm$ 0.049 χ^2 /NDF: 3407037.3/24

Right Out: 154.366 $\pm$ 0.042 χ^2 /NDF: 3268015.9/21

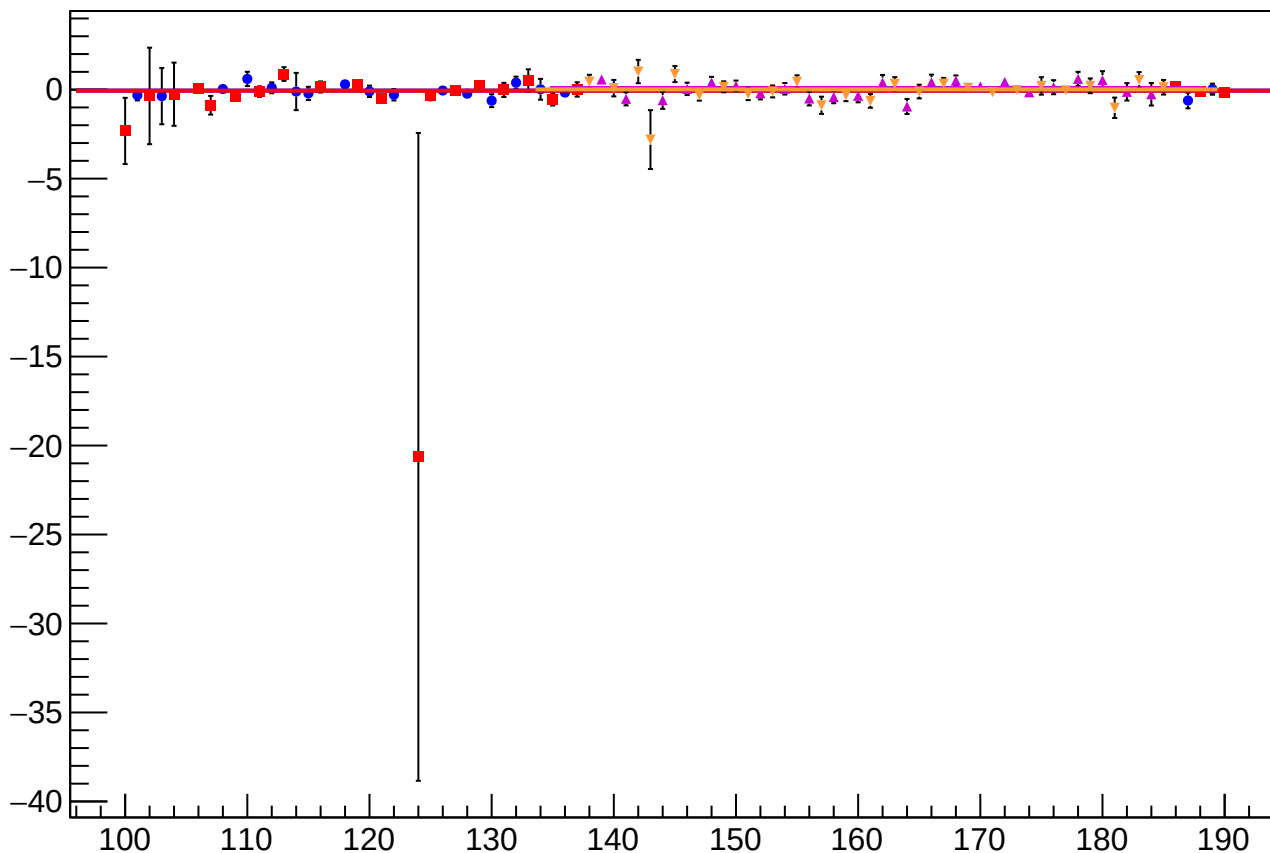
Left In: 285.871 $\pm$ 0.050 χ^2 /NDF: 1744743.9/22

+ sign 242.203 $\pm$ 0.036 χ^2 /NDF: 6424739.7/42

All: 223.857 $\pm$ 0.024 χ^2 /NDF: 15971343.5/87

- sign 209.207 $\pm$ 0.032 χ^2 /NDF: 9079071.8/44

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.054 ± 0.074 χ^2/NDF : 13.4/17

Left Out: 0.014 ± 0.070 χ^2/NDF : 28.3/24

Right Out: -0.058 ± 0.060 χ^2/NDF : 25.2/21

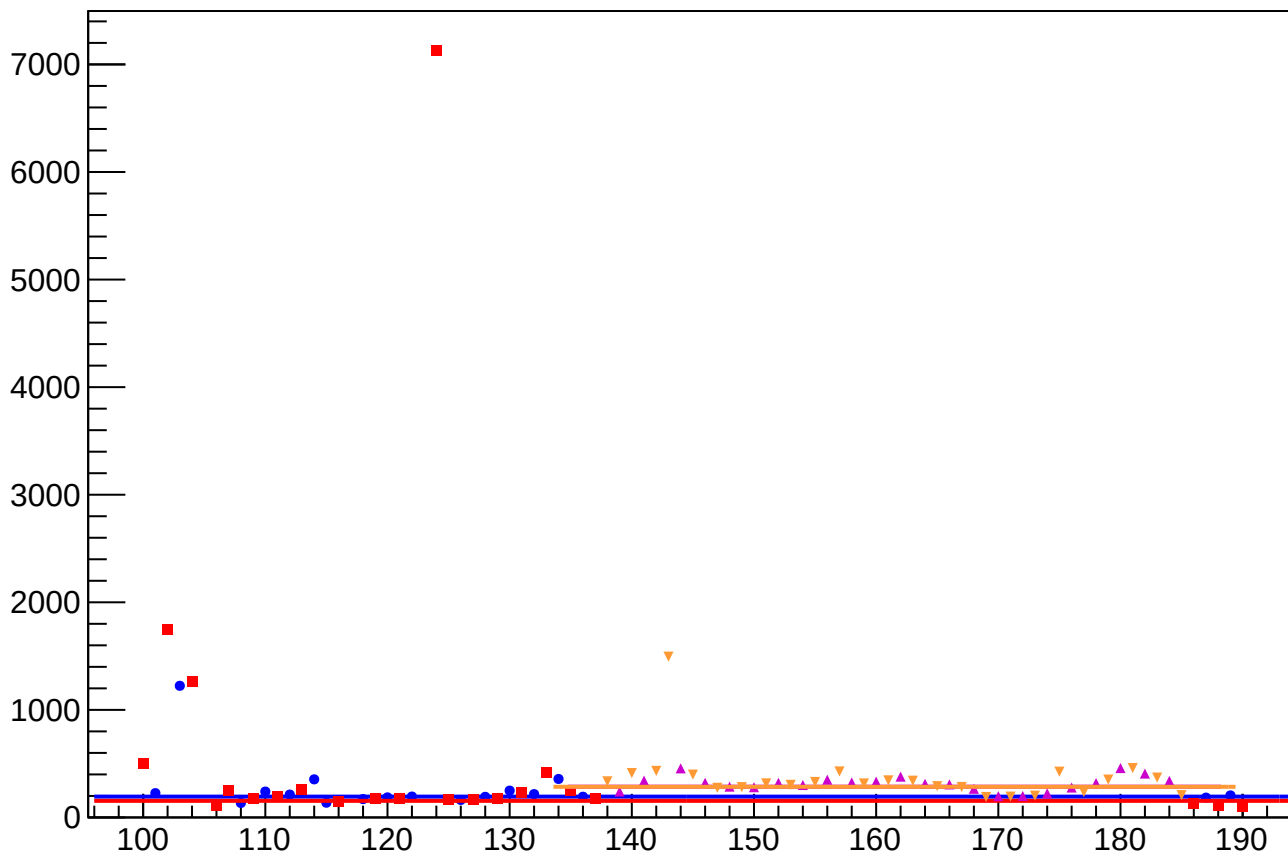
Left In: 0.091 ± 0.070 χ^2/NDF : 30.9/22

+ sign -0.017 ± 0.051 χ^2/NDF : 42.1/42

All: -0.005 ± 0.034 χ^2/NDF : 100.9/87

- sign 0.004 ± 0.045 χ^2/NDF : 58.7/44

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 193.672 $\pm$ 0.053 χ^2 /NDF: 1412035.0/17

Left Out: 285.039 $\pm$ 0.049 χ^2 /NDF: 3407037.3/24

Right Out: 154.366 $\pm$ 0.042 χ^2 /NDF: 3268015.9/21

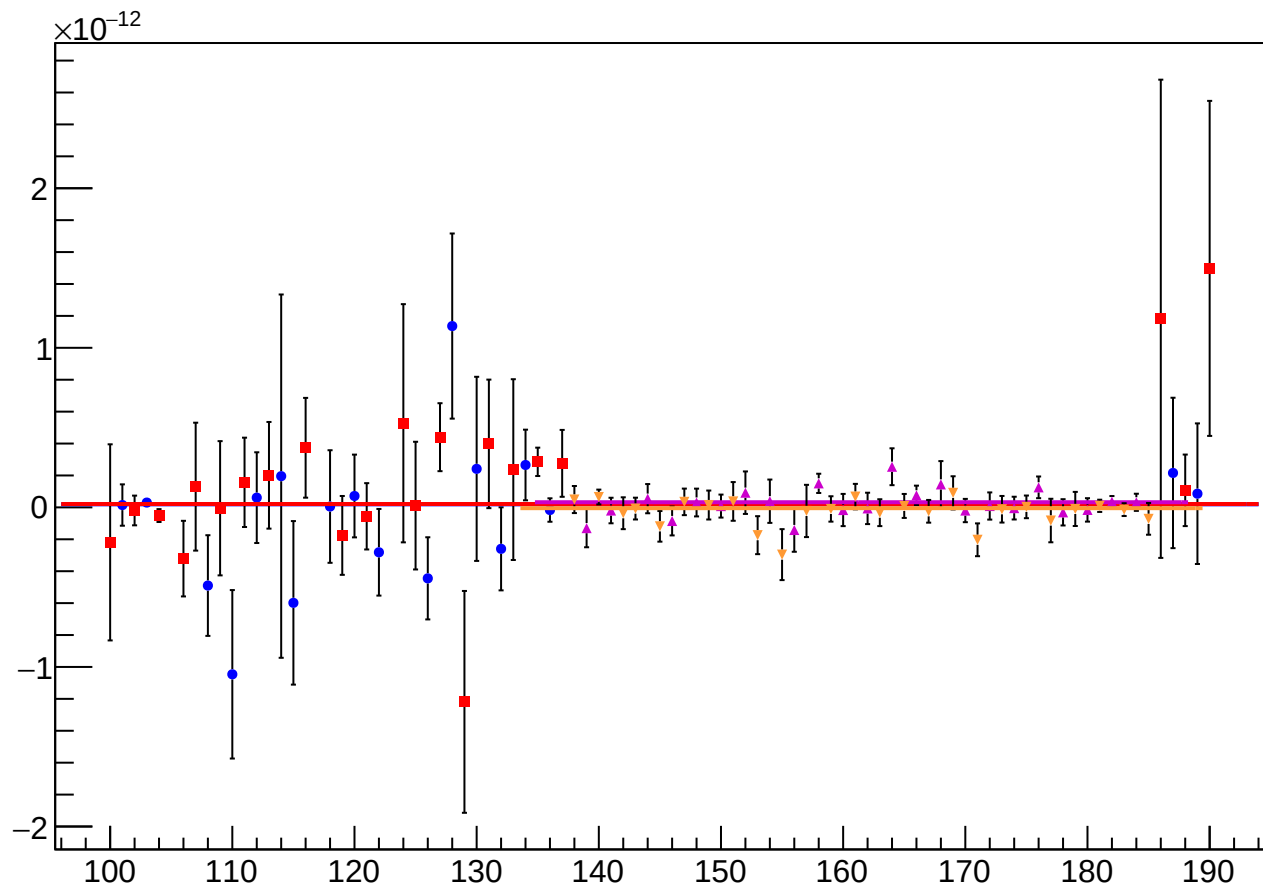
Left In: 285.871 $\pm$ 0.050 χ^2 /NDF: 1744743.9/22

+ sign 242.203 $\pm$ 0.036 χ^2 /NDF: 6424739.7/42

All: 223.857 $\pm$ 0.024 χ^2 /NDF: 15971343.5/87

- sign 209.207 $\pm$ 0.032 χ^2 /NDF: 9079071.8/44

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.6/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:16.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.9/21

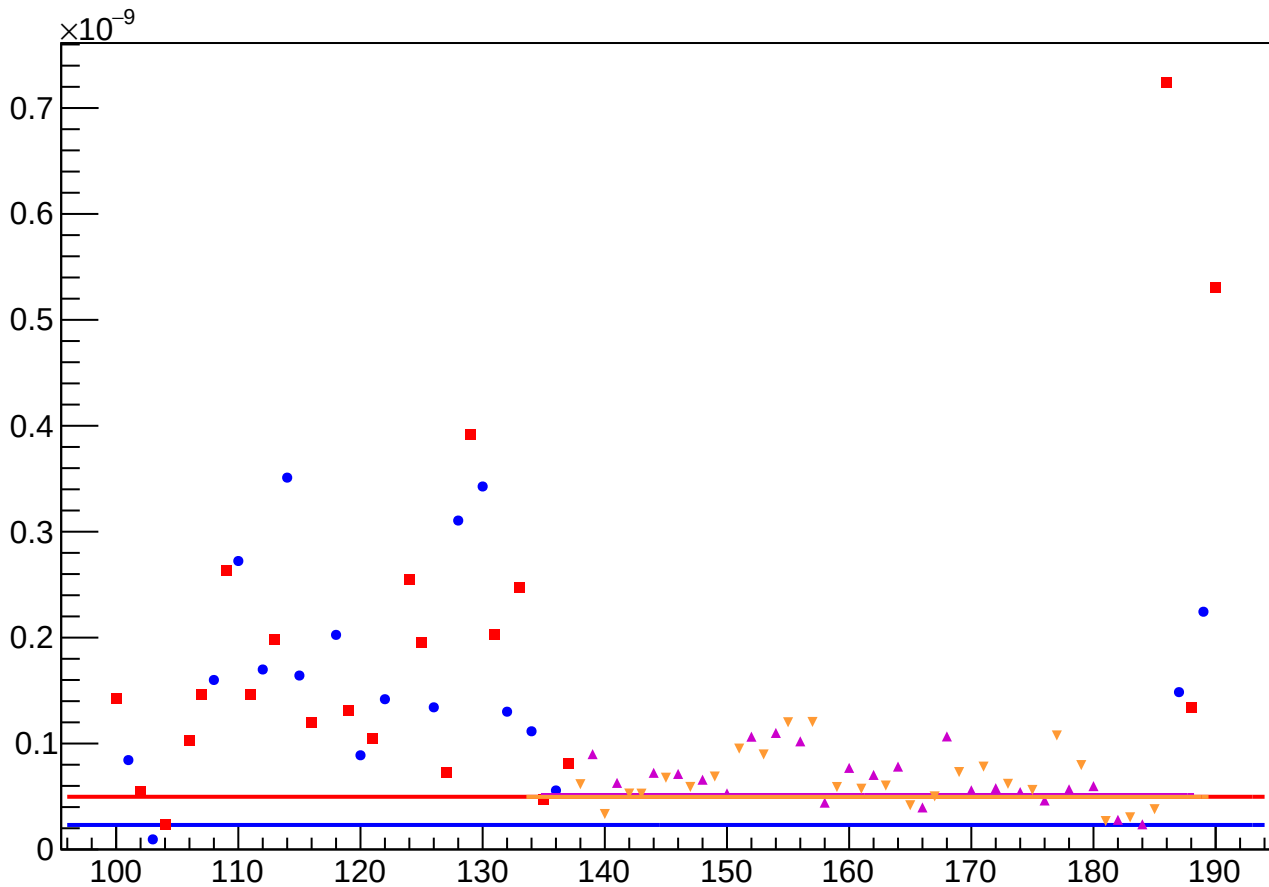
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.1/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 87.8/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.7/44

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6971474.8/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3882649.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5352494.7/21

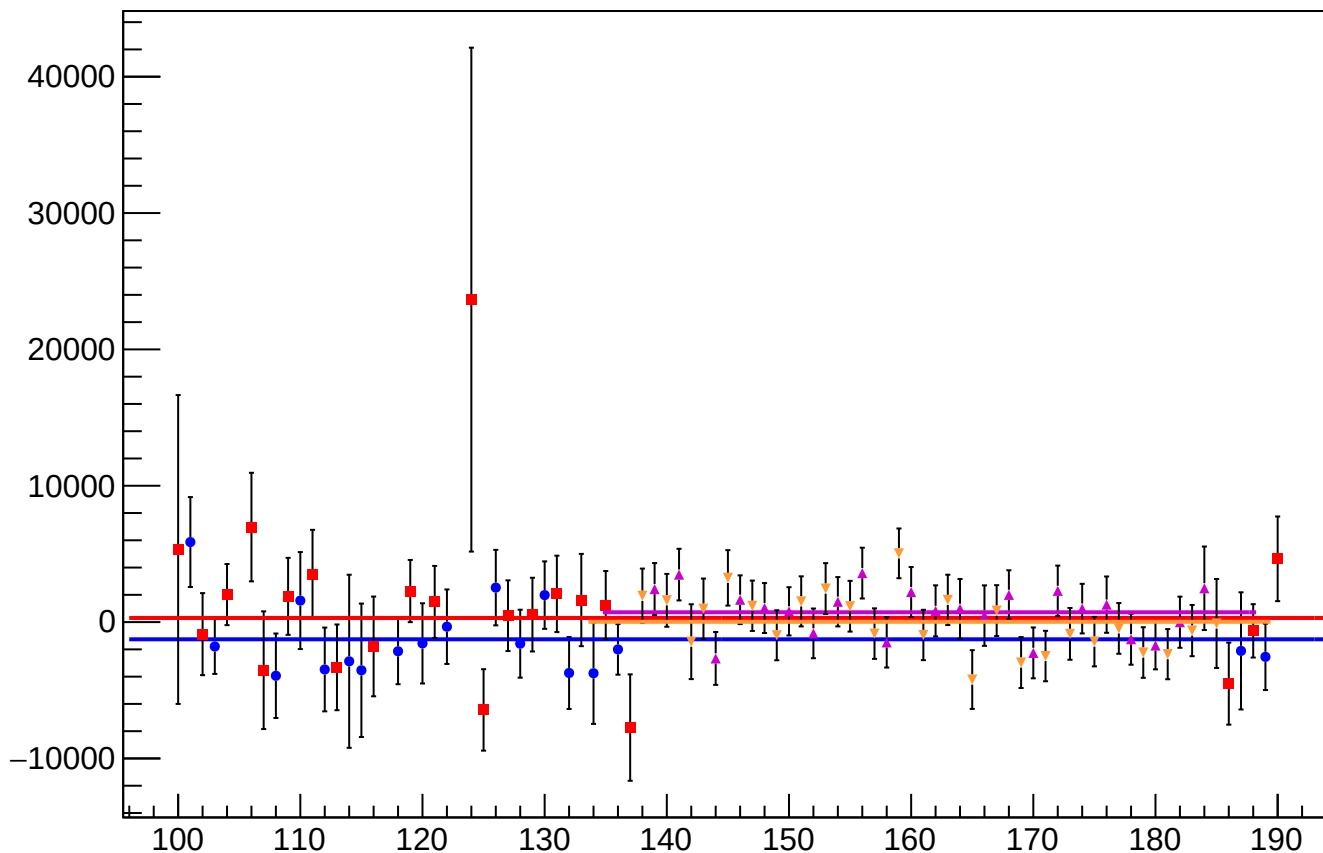
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3659712.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13016161.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 22697135.5/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9016895.5/44

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1261.131 ± 659.329 χ^2/NDF : 12.6/17

Left Out: 23.114 ± 387.732 χ^2/NDF : 29.5/24

Right Out: 301.927 ± 634.756 χ^2/NDF : 24.8/21

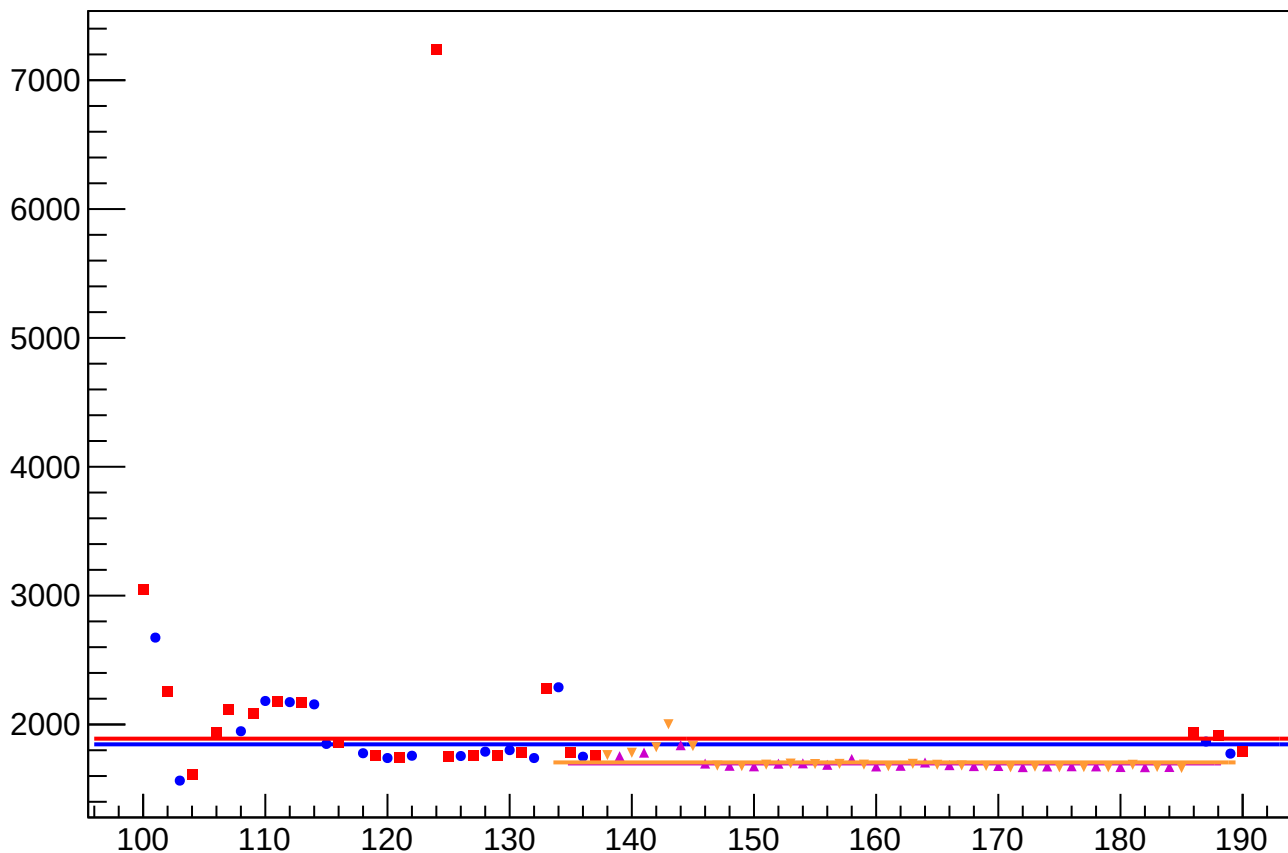
Left In: 719.504 ± 396.449 χ^2/NDF : 19.1/22

+ sign -306.889 ± 334.224 χ^2/NDF : 44.9/42

All: 144.965 ± 237.046 χ^2/NDF : 92.7/87

- sign 602.323 ± 336.253 χ^2/NDF : 44.2/44

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1845.852 $\pm$ 0.466 χ^2 /NDF: 261896.1/17

Left Out: 1705.634 $\pm$ 0.274 χ^2 /NDF: 59928.6/24

Right Out: 1889.957 $\pm$ 0.448 χ^2 /NDF: 361875.7/21

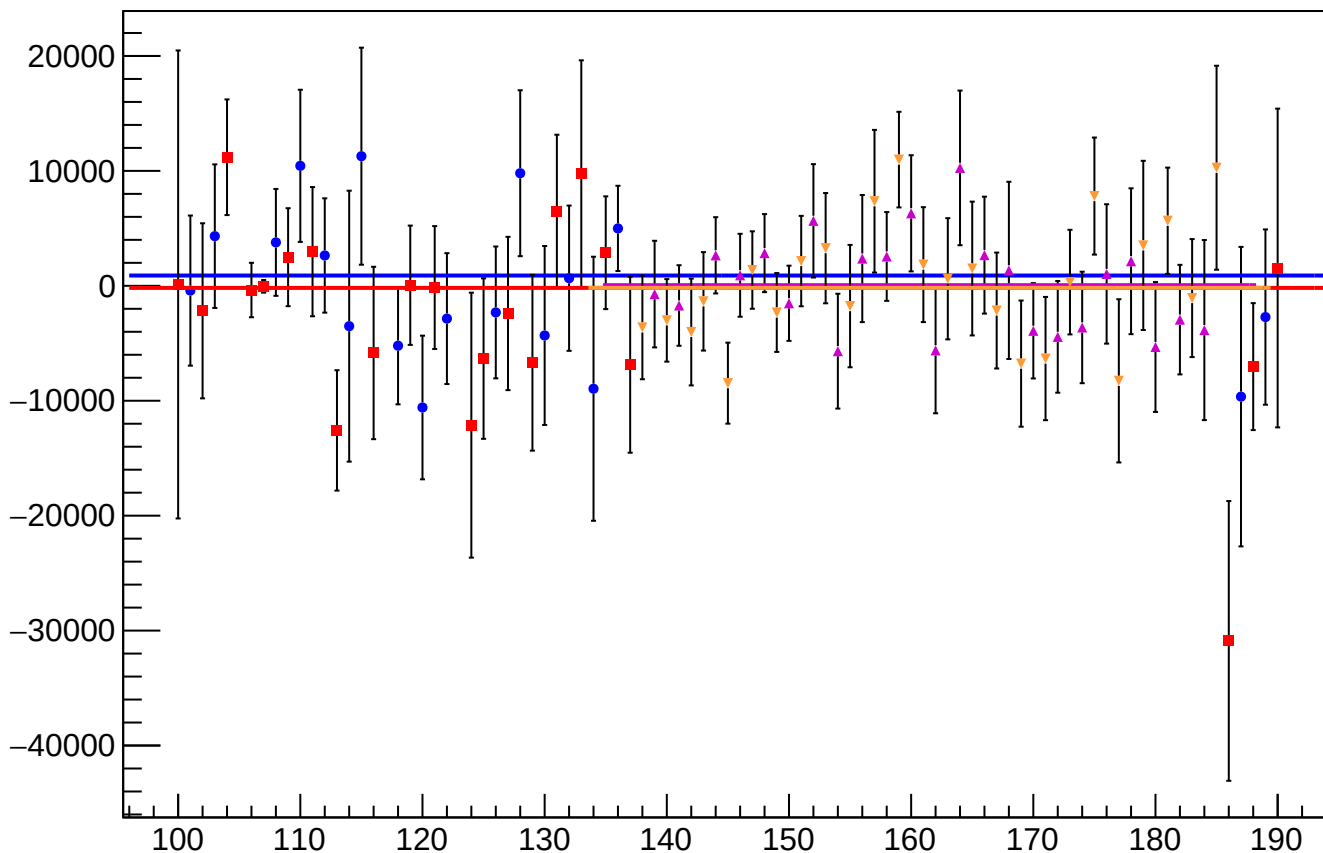
Left In: 1697.514 $\pm$ 0.280 χ^2 /NDF: 21146.9/22

+ sign 1741.665 $\pm$ 0.236 χ^2 /NDF: 389035.9/42

All: 1746.637 $\pm$ 0.168 χ^2 /NDF: 905549.9/87

- sign 1751.663 $\pm$ 0.238 χ^2 /NDF: 515624.0/44

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 895.146 ± 1464.476 χ^2/NDF : 14.6/17

Left Out: -175.777 ± 935.141 χ^2/NDF : 27.9/24

Right Out: -180.835 ± 502.825 χ^2/NDF : 25.9/21

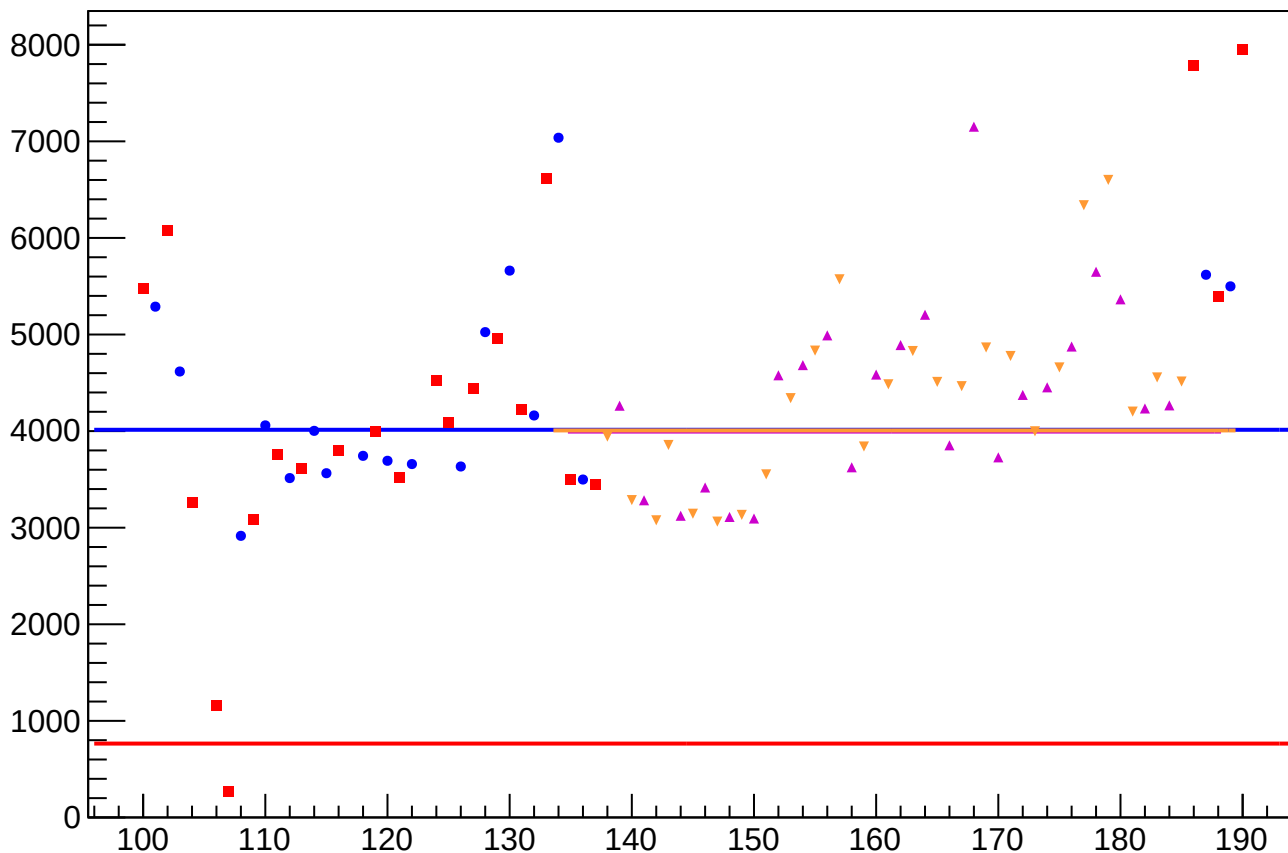
Left In: 56.448 ± 956.389 χ^2/NDF : 14.3/22

+ sign 134.410 ± 788.161 χ^2/NDF : 43.0/42

All: -65.655 ± 387.543 χ^2/NDF : 83.3/87

- sign -129.449 ± 445.062 χ^2/NDF : 40.2/44

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4013.660 $\pm$ 1.036 χ^2 /NDF: 671834.1/17

Left Out: 4006.998 $\pm$ 0.661 χ^2 /NDF:1503677.6/24

Right Out: 764.836 $\pm$ 0.356 χ^2 /NDF: 13252877.3/21

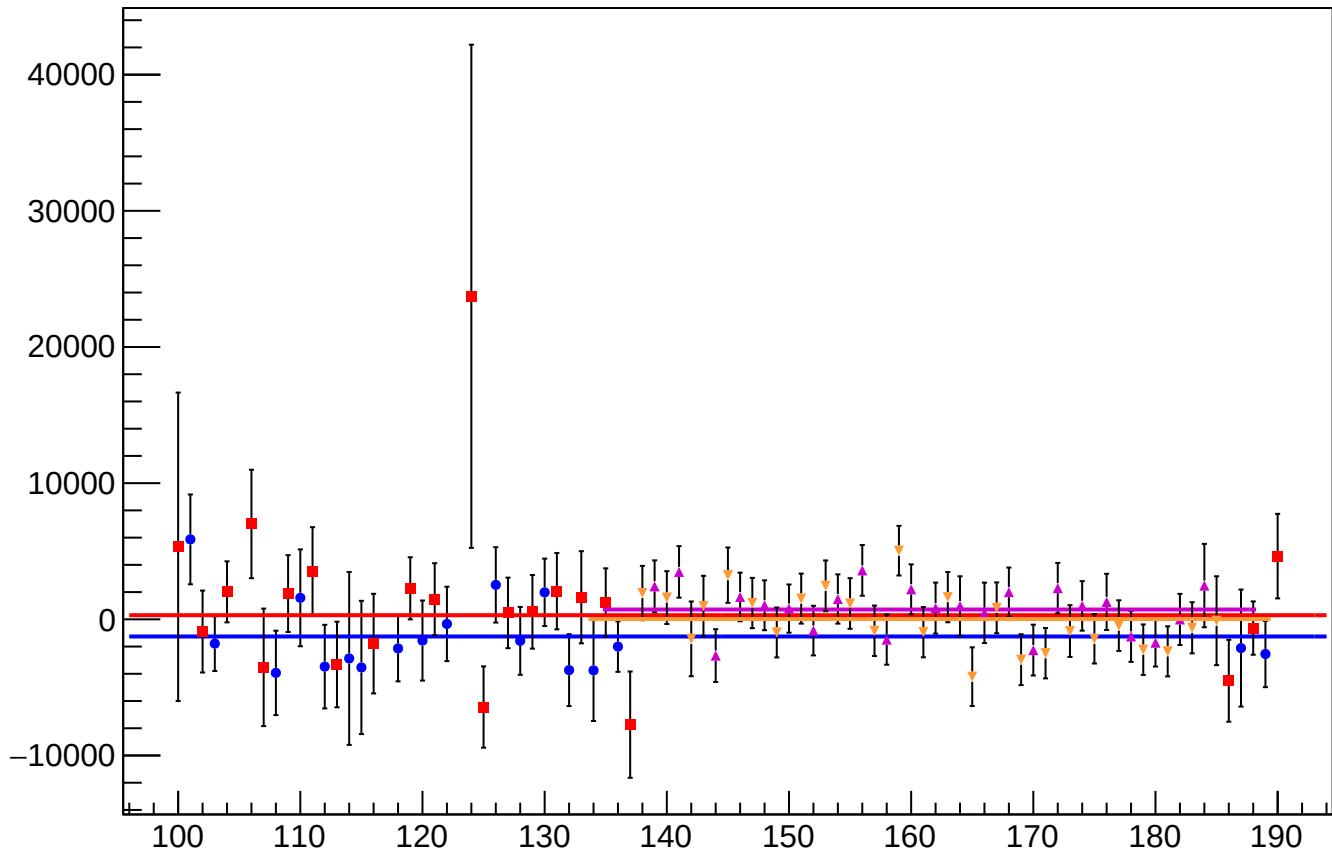
Left In: 3994.974 $\pm$ 0.676 χ^2 /NDF:1538115.4/22

+ sign 4008.928 $\pm$ 0.557 χ^2 /NDF: 2175541.1/42

All: 2079.560 $\pm$ 0.274 χ^2 /NDF: 50646424.6/8

- sign 1464.346 $\pm$ 0.315 χ^2 /NDF: 32664539.9/44

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1260.761 ± 659.329 χ^2/NDF : 12.6/17

Left Out: 23.186 ± 387.732 χ^2/NDF : 29.5/24

Right Out: 302.211 ± 634.757 χ^2/NDF : 24.8/21

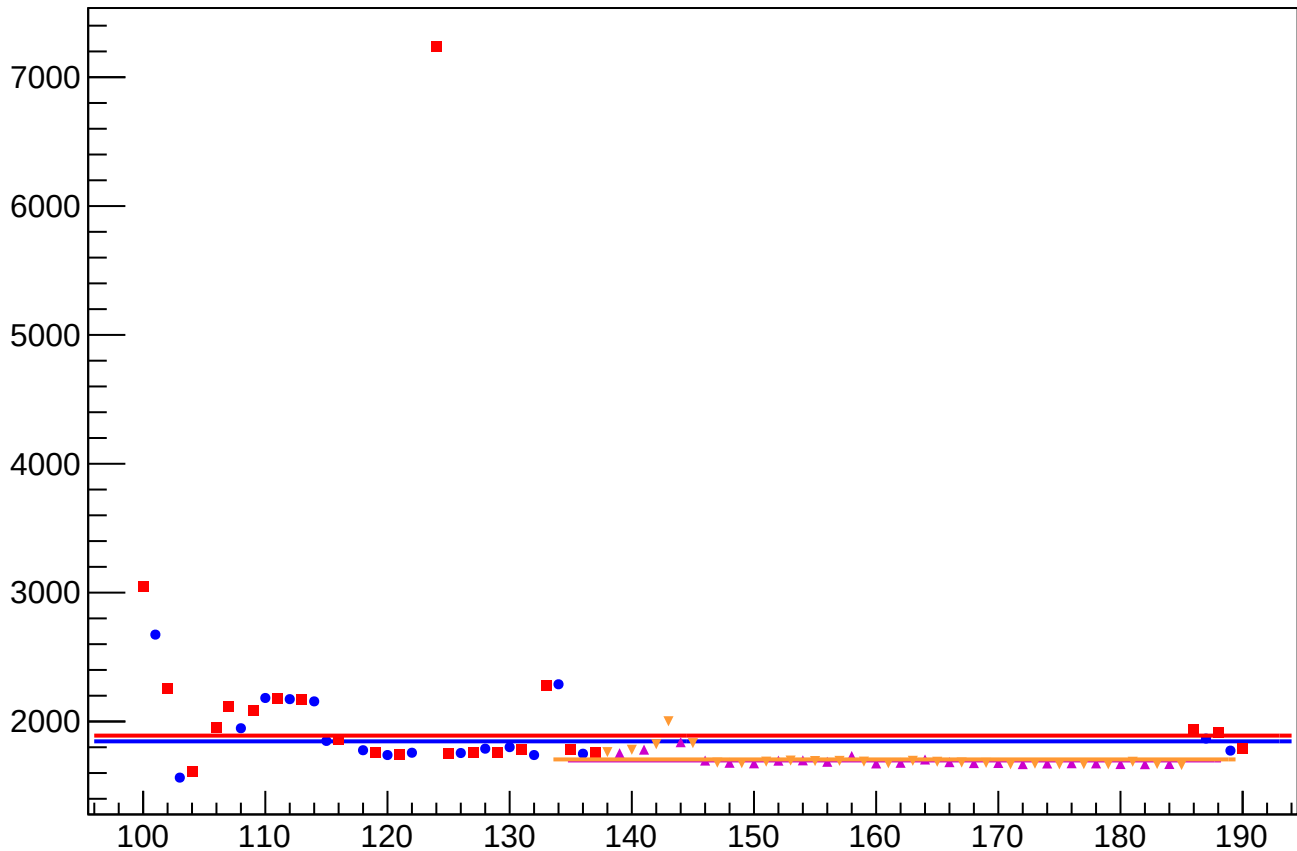
Left In: 719.380 ± 396.449 χ^2/NDF : 19.1/22

+ sign -306.741 ± 334.224 χ^2/NDF : 44.9/42

All: 145.035 ± 237.046 χ^2/NDF : 92.8/87

- sign 602.314 ± 336.253 χ^2/NDF : 44.2/44

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1845.852+/-0.466 χ^2/NDF : 261895.3/17

Left Out: 1705.635+/-0.274 χ^2/NDF : 59928.6/24

Right Out: 1890.328+/-0.448 χ^2/NDF : 362094.0/21

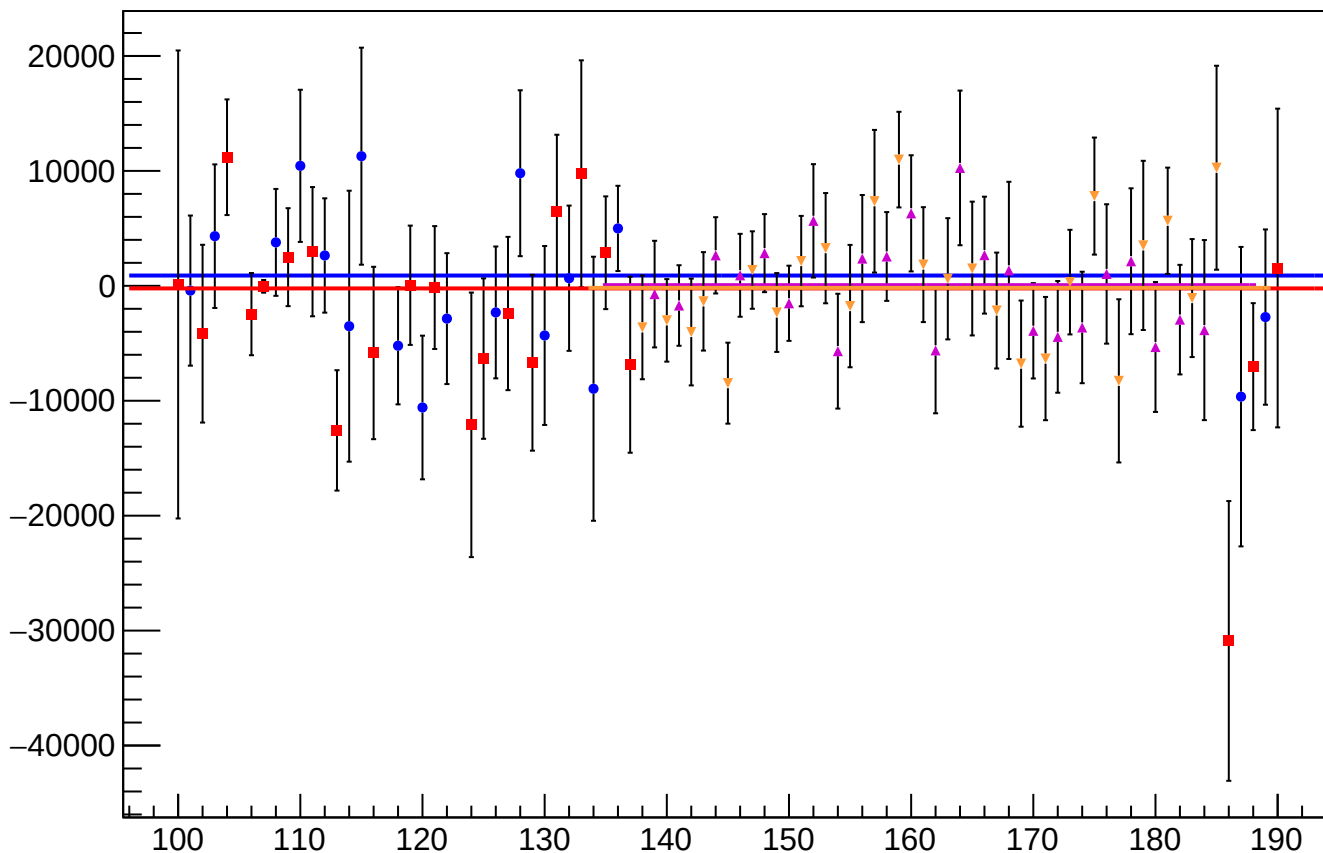
Left In: 1697.514+/-0.280 χ^2/NDF : 21146.9/22

+ sign 1741.665+/-0.236 χ^2/NDF : 389035.4/42

All: 1746.681+/-0.168 χ^2/NDF : 906260.3/87

- sign 1751.753+/-0.238 χ^2/NDF : 516318.9/44

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 895.130 ± 1464.482 $\chi^2/\text{NDF}: 14.6/17$

Left Out: -175.755 ± 935.140 $\chi^2/\text{NDF}: 27.9/24$

Right Out: -226.379 ± 509.308 $\chi^2/\text{NDF}: 26.5/21$

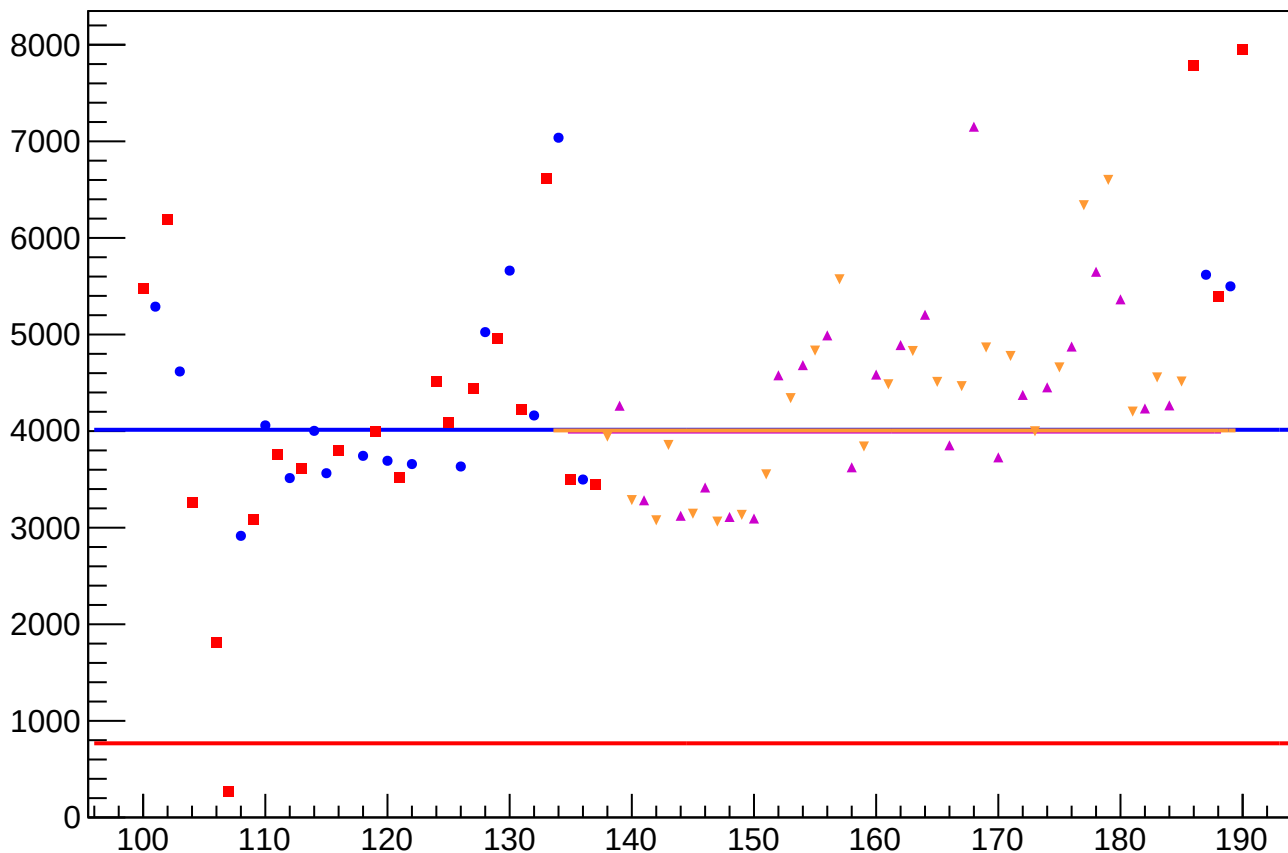
Left In: 56.377 ± 956.388 $\chi^2/\text{NDF}: 14.3/22$

+ sign 134.419 ± 788.161 $\chi^2/\text{NDF}: 43.0/42$

All: -90.680 ± 390.488 $\chi^2/\text{NDF}: 83.9/87$

- sign -163.908 ± 449.539 $\chi^2/\text{NDF}: 40.8/44$

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4013.670+/-1.036 χ^2/NDF : 671860.0/17

Left Out: 4006.990+/-0.661 χ^2/NDF :1503698.2/24

Right Out: 767.625+/-0.360 χ^2/NDF : 13379524.0/21

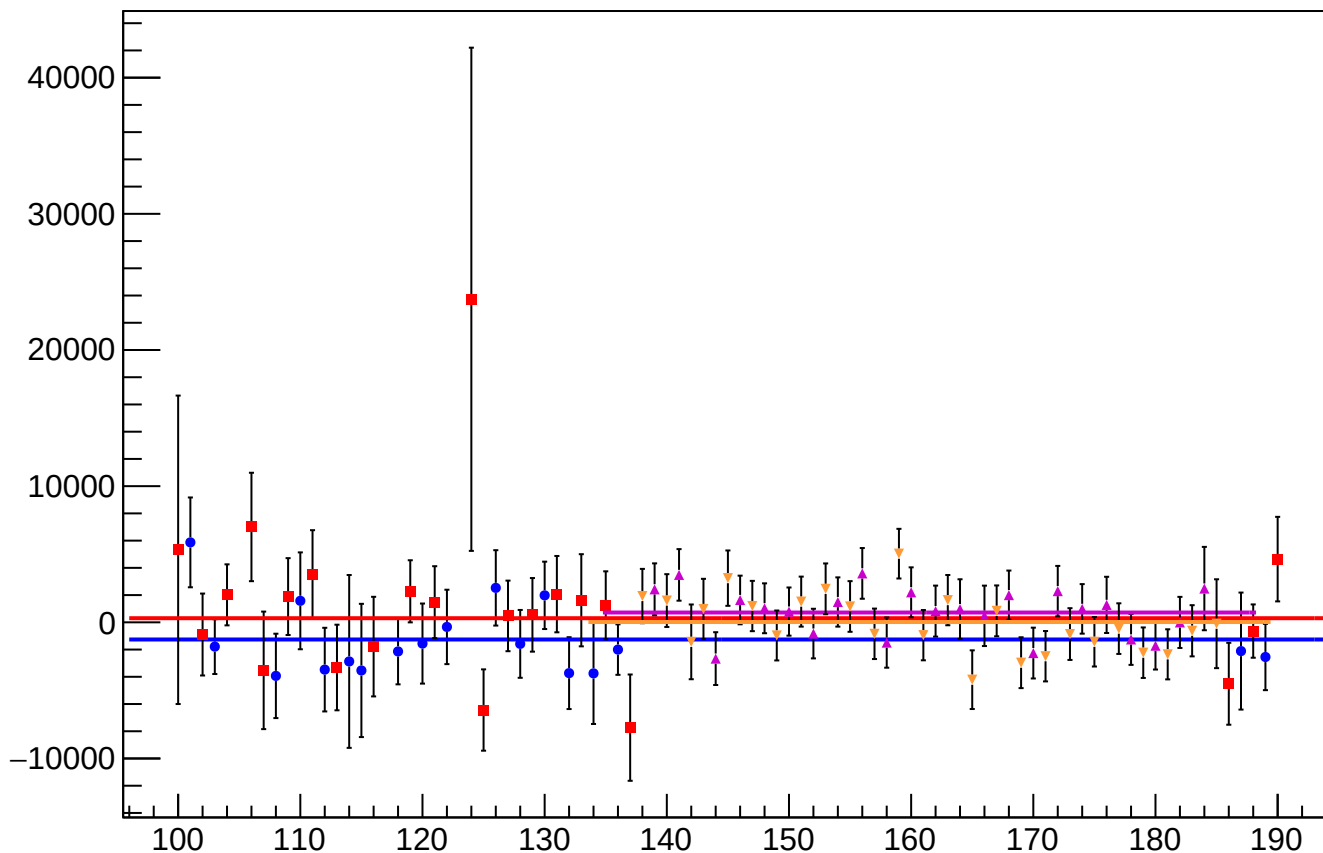
Left In: 3994.972+/-0.676 χ^2/NDF :1538098.4/22

+ sign 4008.925+/-0.557 χ^2/NDF : 2175587.8/42

All: 2101.256+/-0.276 χ^2/NDF : 50364529.9/8

- sign 1480.662+/-0.318 χ^2/NDF : 32660596.4/44

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1260.761 ± 659.329 χ^2/NDF : 12.6/17

Left Out: 23.186 ± 387.732 χ^2/NDF : 29.5/24

Right Out: 302.211 ± 634.757 χ^2/NDF : 24.8/21

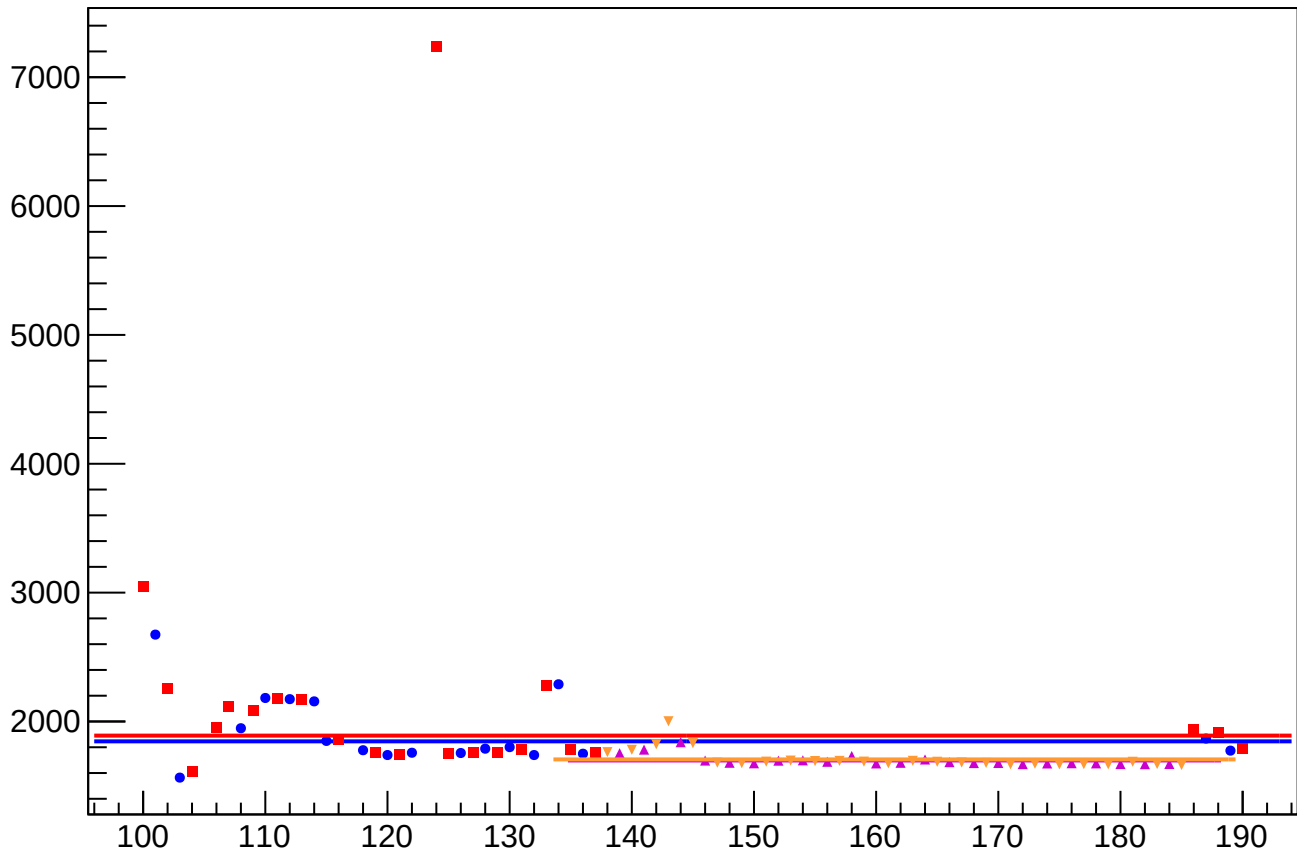
Left In: 719.380 ± 396.449 χ^2/NDF : 19.1/22

+ sign -306.741 ± 334.224 χ^2/NDF : 44.9/42

All: 145.035 ± 237.046 χ^2/NDF : 92.8/87

- sign 602.314 ± 336.253 χ^2/NDF : 44.2/44

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1845.852 $\pm$ 0.466 χ^2 /NDF: 261895.3/17

Left Out: 1705.635 $\pm$ 0.274 χ^2 /NDF: 59928.6/24

Right Out: 1890.328 $\pm$ 0.448 χ^2 /NDF: 362094.0/21

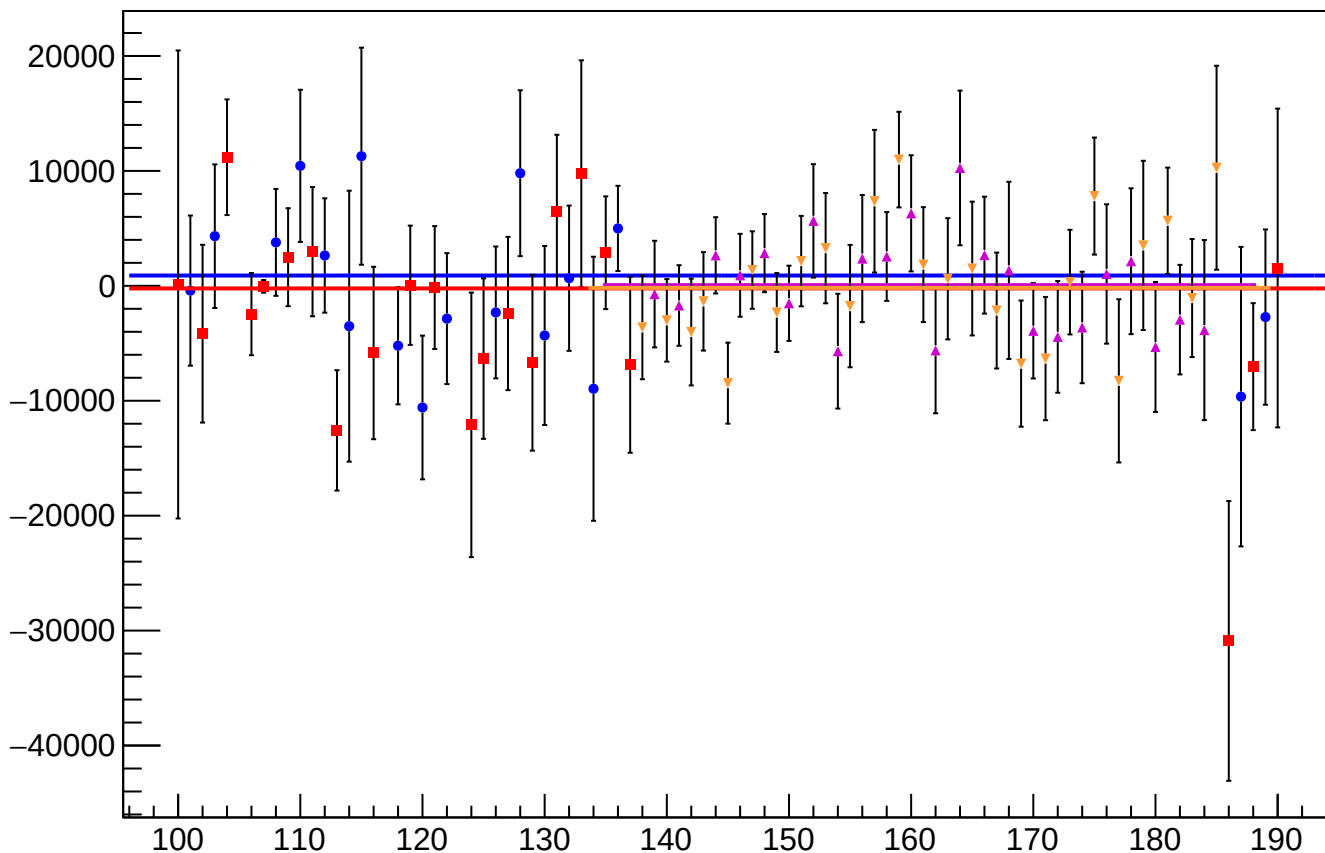
Left In: 1697.514 $\pm$ 0.280 χ^2 /NDF: 21146.9/22

+ sign 1741.665 $\pm$ 0.236 χ^2 /NDF: 389035.4/42

All: 1746.681 $\pm$ 0.168 χ^2 /NDF: 906260.3/87

- sign 1751.753 $\pm$ 0.238 χ^2 /NDF: 516318.9/44

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 895.130 $\pm$ 1464.482 χ^2 /NDF: 14.6/17

Left Out: -175.755 $\pm$ 935.140 χ^2 /NDF:27.9/24

Right Out: -226.379 $\pm$ 509.308 χ^2 /NDF: 26.5/21

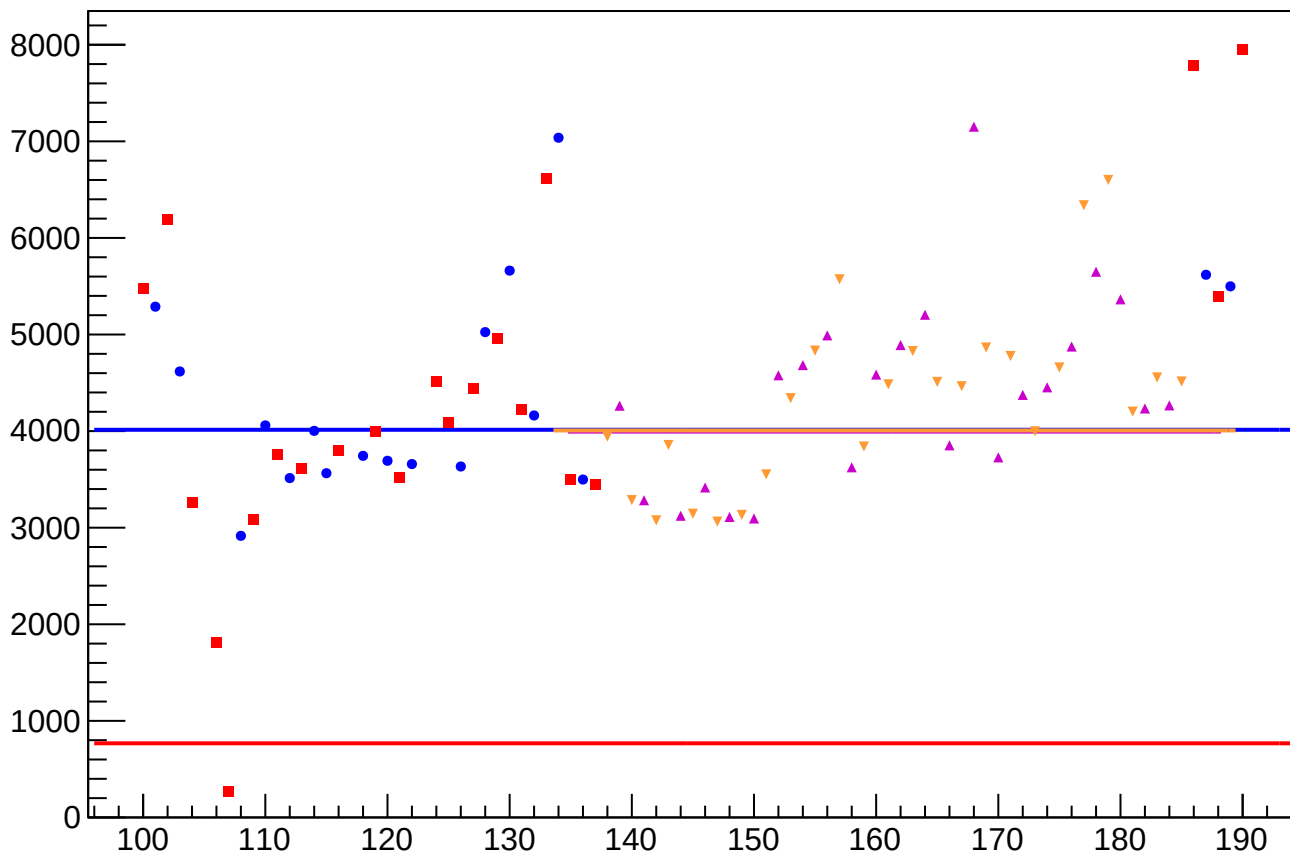
Left In: 56.377 $\pm$ 956.388 χ^2 /NDF:14.3/22

+ sign 134.419 $\pm$ 788.161 χ^2 /NDF: 43.0/42

All: -90.680 $\pm$ 390.488 χ^2 /NDF: 83.9/87

- sign -163.908 $\pm$ 449.539 χ^2 /NDF: 40.8/44

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4013.670+/-1.036 χ^2/NDF : 671860.0/17

Left Out: 4006.990+/-0.661 χ^2/NDF :1503698.2/24

Right Out: 767.625+/-0.360 χ^2/NDF : 13379524.0/21

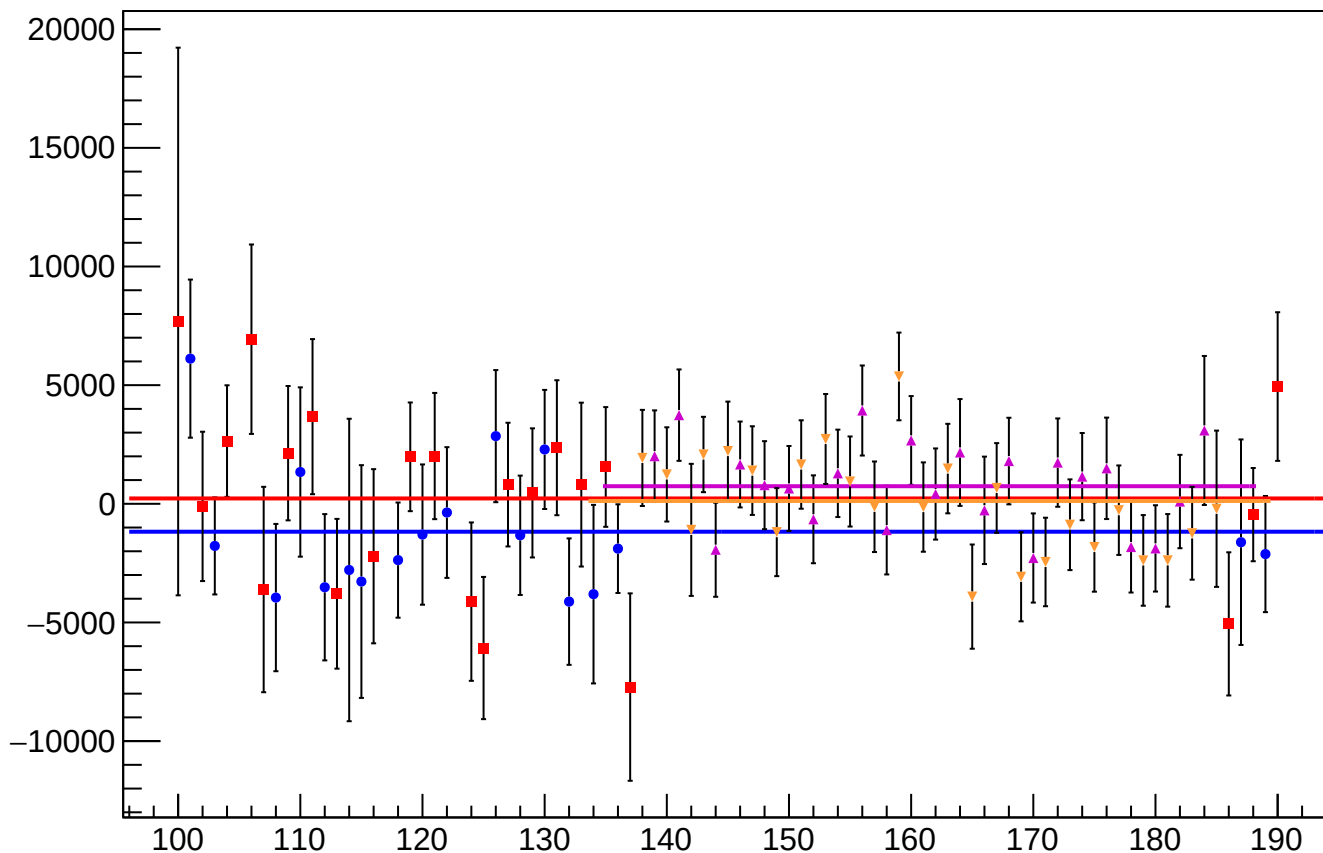
Left In: 3994.972+/-0.676 χ^2/NDF :1538098.4/22

+ sign 4008.925+/-0.557 χ^2/NDF : 2175587.8/42

All: 2101.256+/-0.276 χ^2/NDF : 50364529.9/8

- sign 1480.662+/-0.318 χ^2/NDF : 32660596.4/44

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1176.160 $\pm$ 664.677 χ^2 /NDF: 13.4/17

Left Out: 119.959 $\pm$ 389.458 χ^2 /NDF: 29.7/24

Right Out: 225.781 $\pm$ 630.729 χ^2 /NDF: 26.3/21

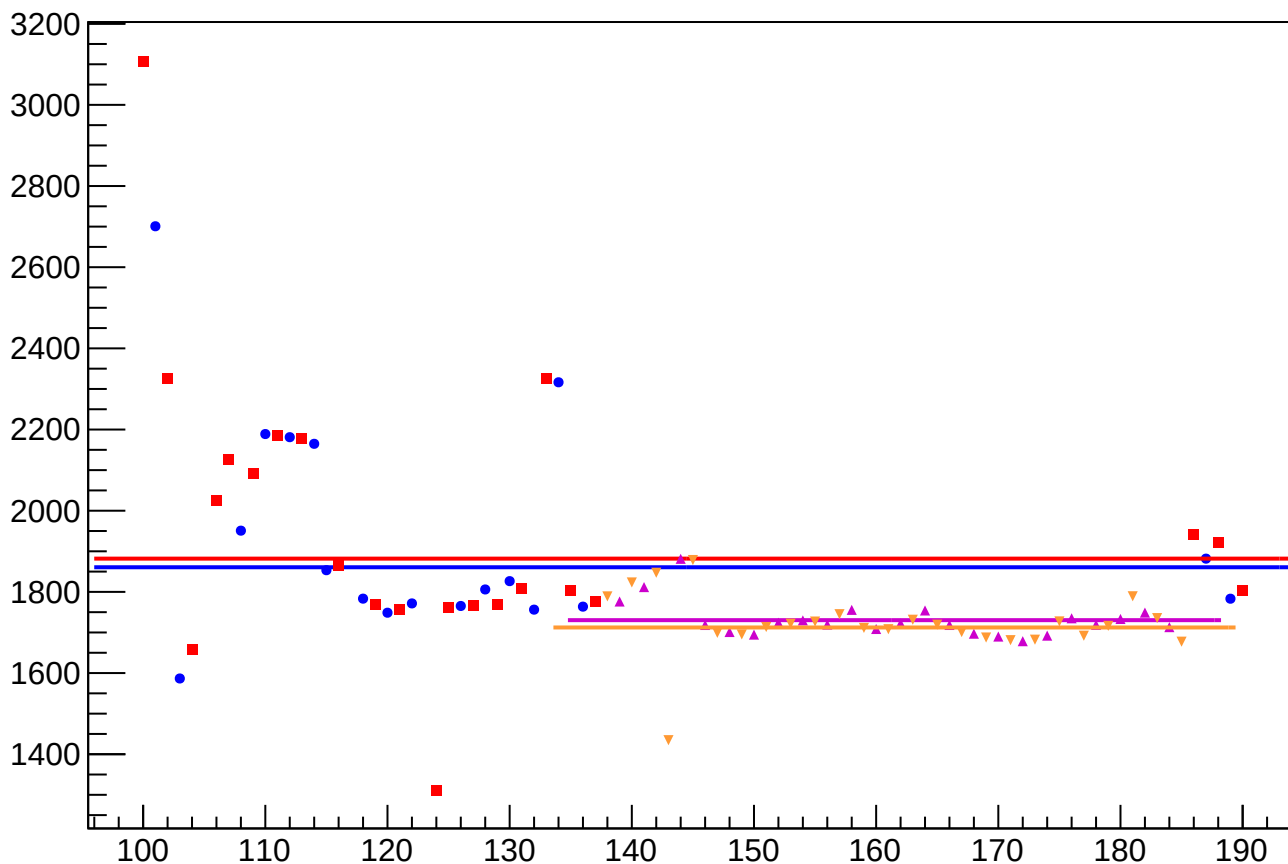
Left In: 741.191 $\pm$ 404.161 χ^2 /NDF: 19.0/22

+ sign -211.298 $\pm$ 336.024 χ^2 /NDF: 45.9/42

All: 184.869 $\pm$ 239.100 χ^2 /NDF: 94.5/87

- sign 591.163 $\pm$ 340.292 χ^2 /NDF: 45.8/44

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1860.682 $\pm$ 0.470 χ^2 /NDF: 258450.4/17

Left Out: 1712.310 $\pm$ 0.275 χ^2 /NDF: 94399.0/24

Right Out: 1881.955 $\pm$ 0.446 χ^2 /NDF: 254819.5/21

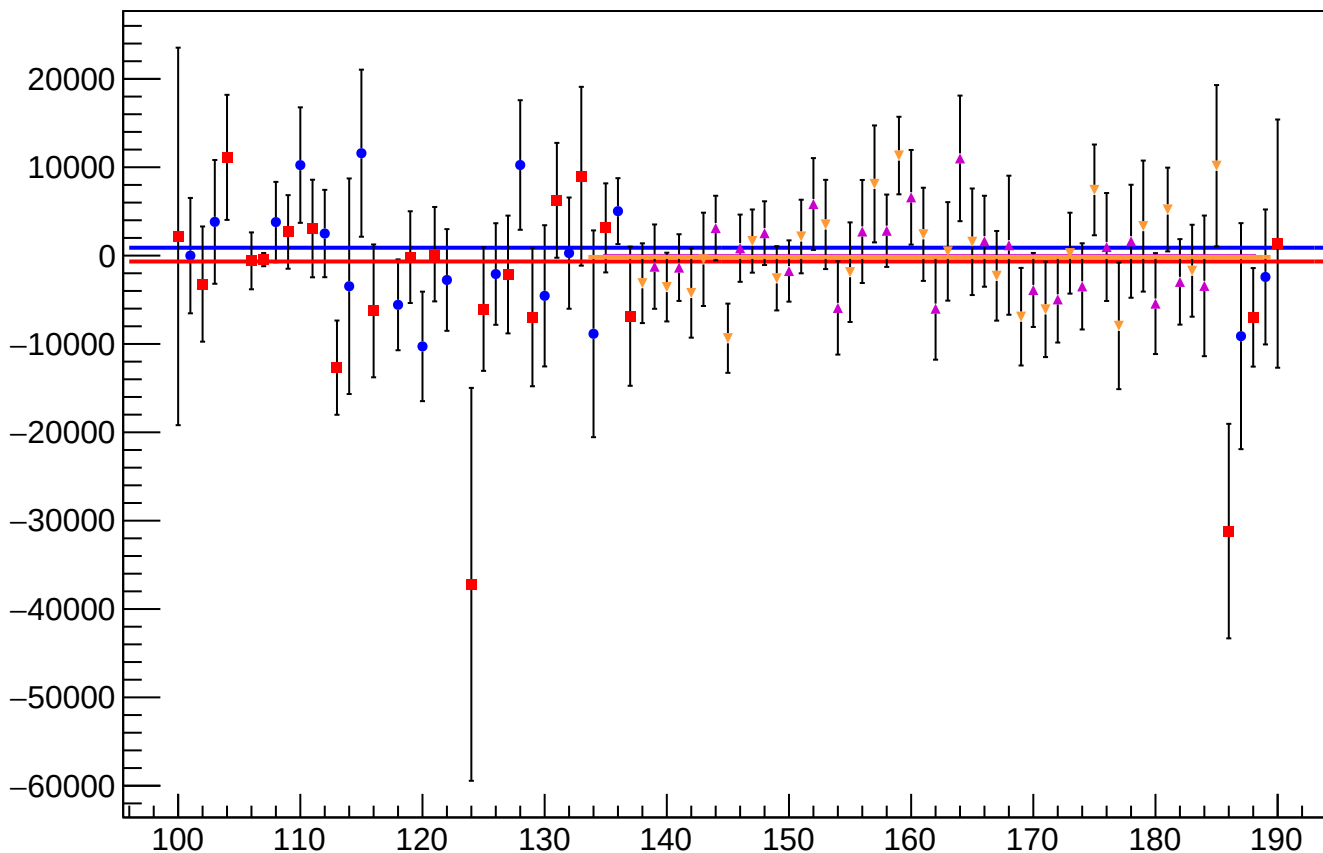
Left In: 1730.342 $\pm$ 0.286 χ^2 /NDF: 23075.7/22

+ sign 1750.230 $\pm$ 0.238 χ^2 /NDF: 427037.4/42

All: 1762.222 $\pm$ 0.169 χ^2 /NDF: 792093.5/87

- sign 1774.516 $\pm$ 0.241 χ^2 /NDF: 359897.5/44

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 891.607 ± 1473.560 χ^2/NDF : 14.5/17

Left Out: -150.169 ± 984.984 χ^2/NDF : 26.9/24

Right Out: -666.349 ± 652.317 χ^2/NDF : 24.6/21

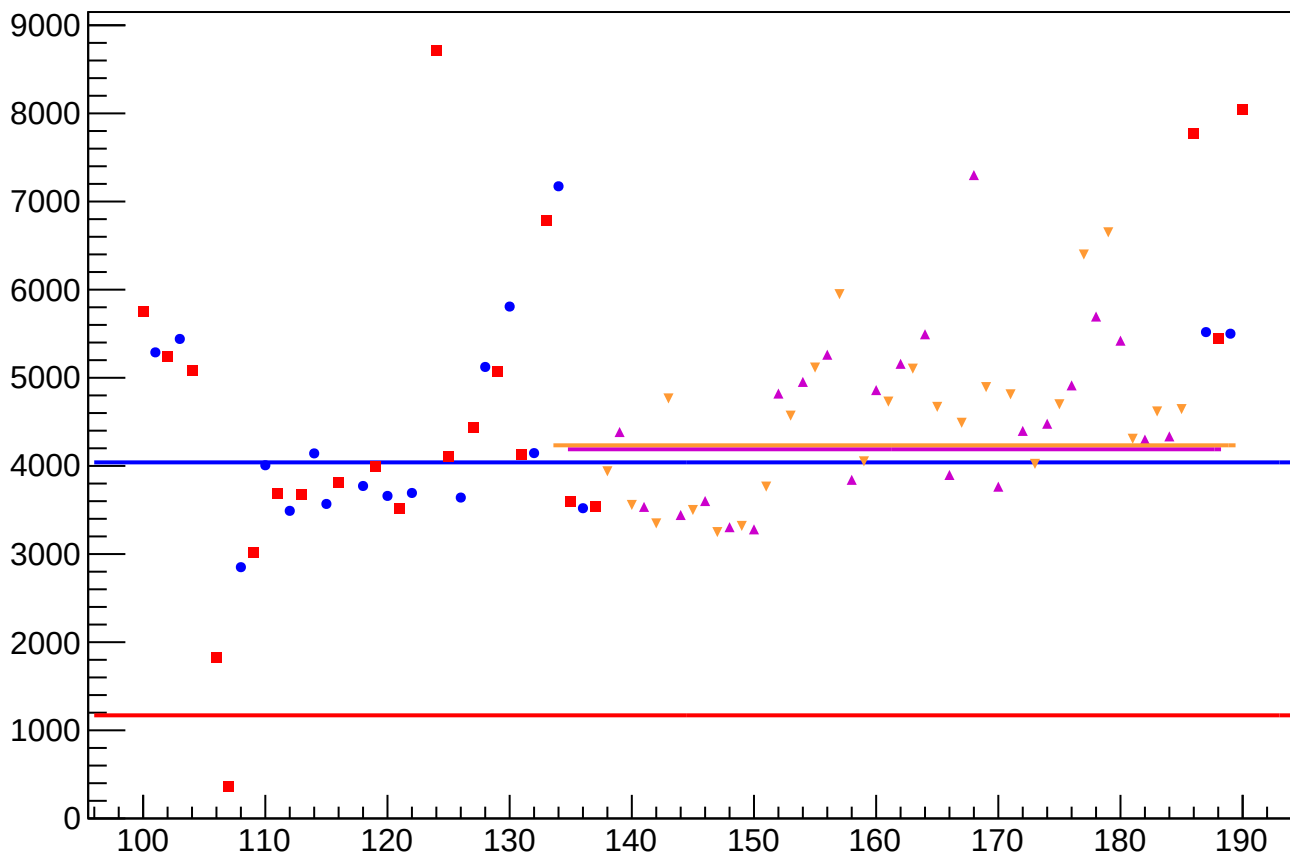
Left In: -65.169 ± 1000.106 χ^2/NDF : 14.0/22

+ sign 171.557 ± 818.886 χ^2/NDF : 41.7/42

All: -284.085 ± 454.493 χ^2/NDF : 81.0/87

- sign -486.923 ± 546.369 χ^2/NDF : 38.9/44

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4040.249+/-1.042 χ^2/NDF : 773423.0/17

Left Out: 4233.905+/-0.696 χ^2/NDF : 1284783.2/24

Right Out: 1170.057+/-0.461 χ^2/NDF : 11843437.6/21

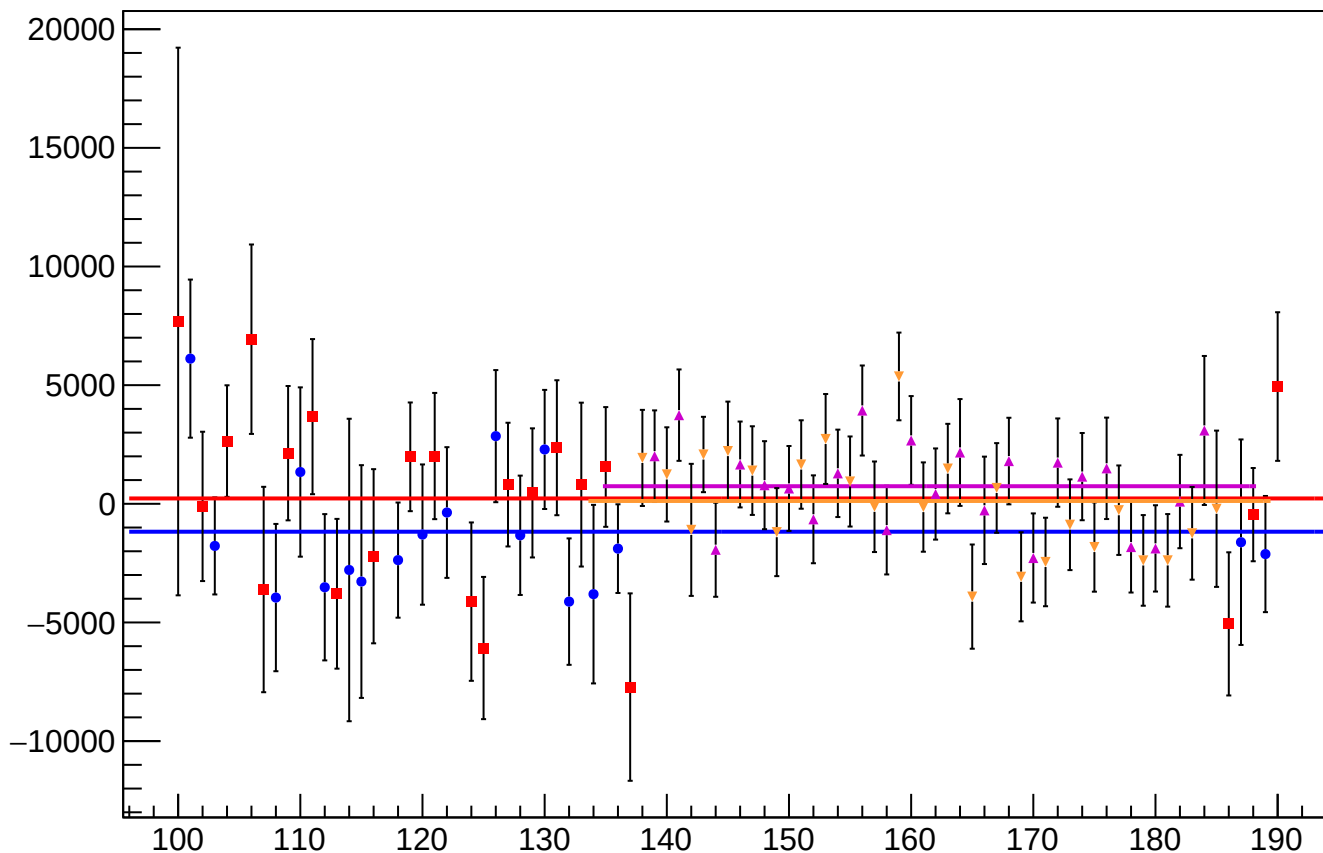
Left In: 4188.874+/-0.707 χ^2/NDF : 1344602.0/22

+ sign 4174.099+/-0.579 χ^2/NDF : 2082081.4/42

All: 2718.866+/-0.321 χ^2/NDF : 37181917.2/8

- sign 2071.041+/-0.386 χ^2/NDF : 25972020.3/44

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1176.164 ± 664.677 χ^2/NDF : 13.4/17

Left Out: 119.962 ± 389.458 χ^2/NDF : 29.7/24

Right Out: 225.786 ± 630.729 χ^2/NDF : 26.3/21

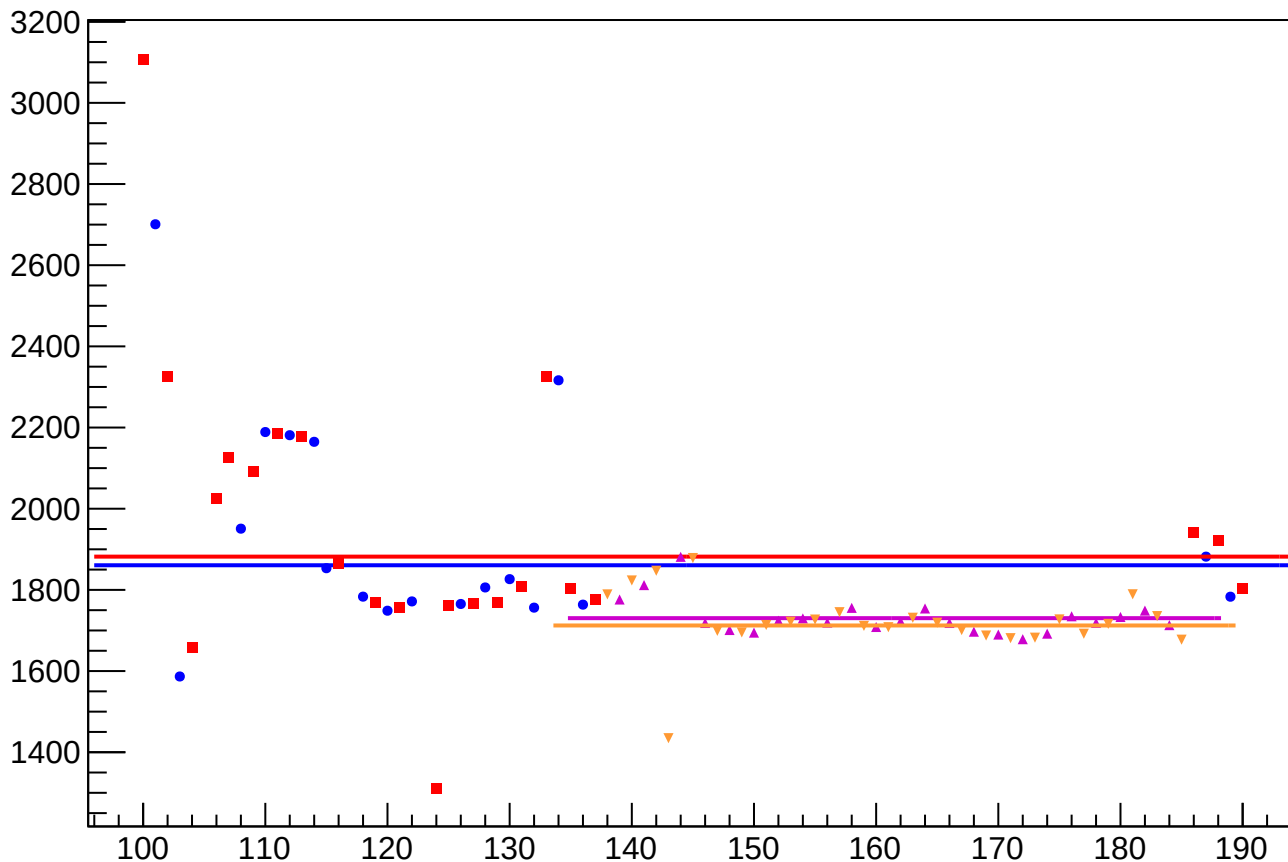
Left In: 741.189 ± 404.161 χ^2/NDF : 19.0/22

+ sign -211.297 ± 336.024 χ^2/NDF : 45.9/42

All: 184.870 ± 239.100 χ^2/NDF : 94.5/87

- sign 591.164 ± 340.292 χ^2/NDF : 45.8/44

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1860.682 $\pm$ 0.470 χ^2 /NDF: 258450.3/17

Left Out: 1712.310 $\pm$ 0.275 χ^2 /NDF: 94398.1/24

Right Out: 1881.955 $\pm$ 0.446 χ^2 /NDF: 254819.9/21

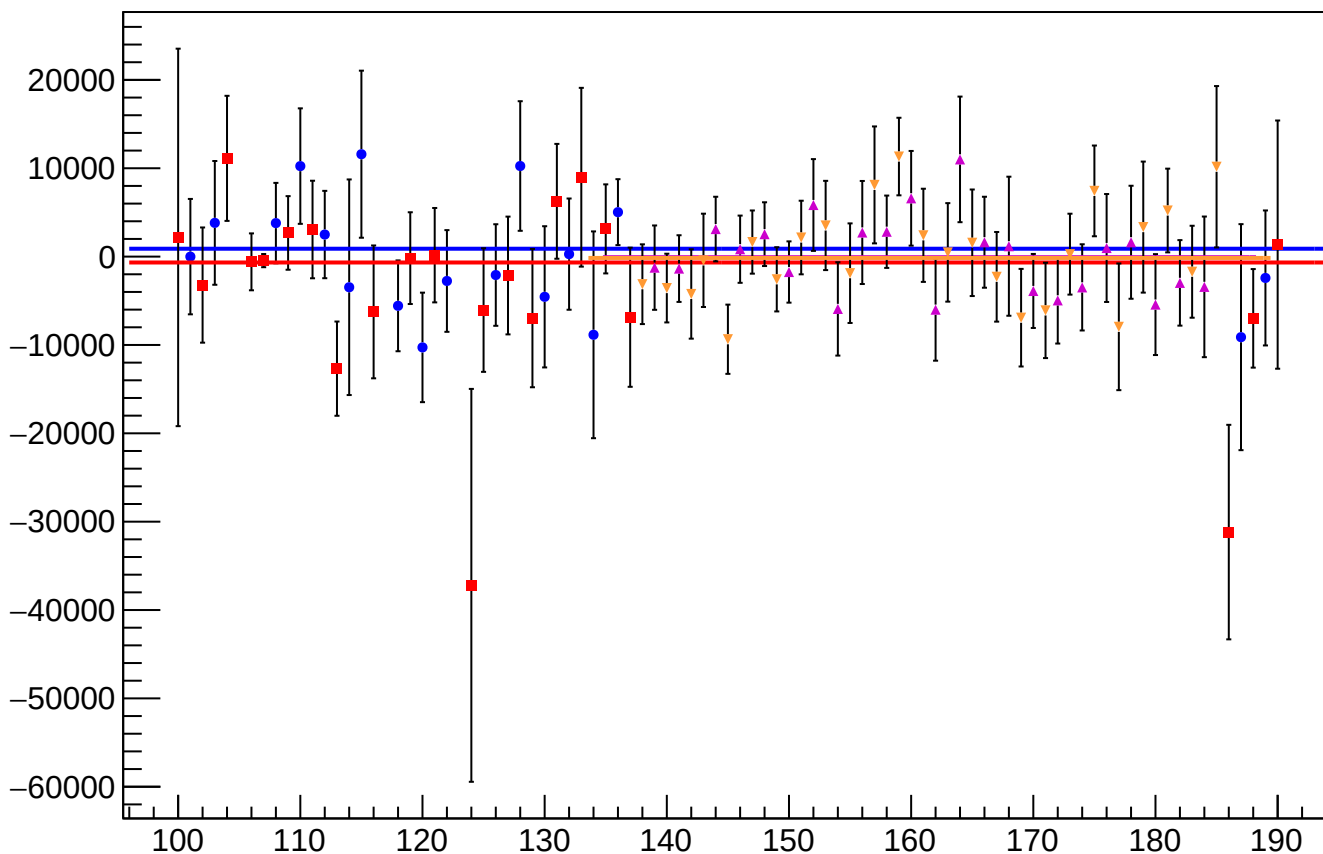
Left In: 1730.342 $\pm$ 0.286 χ^2 /NDF: 23075.7/22

+ sign 1750.230 $\pm$ 0.238 χ^2 /NDF: 427035.6/42

All: 1762.223 $\pm$ 0.169 χ^2 /NDF: 792091.3/87

- sign 1774.516 $\pm$ 0.241 χ^2 /NDF: 359897.1/44

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug



Right In: 891.589 ± 1473.558 χ^2/NDF : 14.5/17

Left Out: -150.169 ± 984.986 χ^2/NDF : 26.9/24

Right Out: -666.362 ± 652.328 χ^2/NDF : 24.6/21

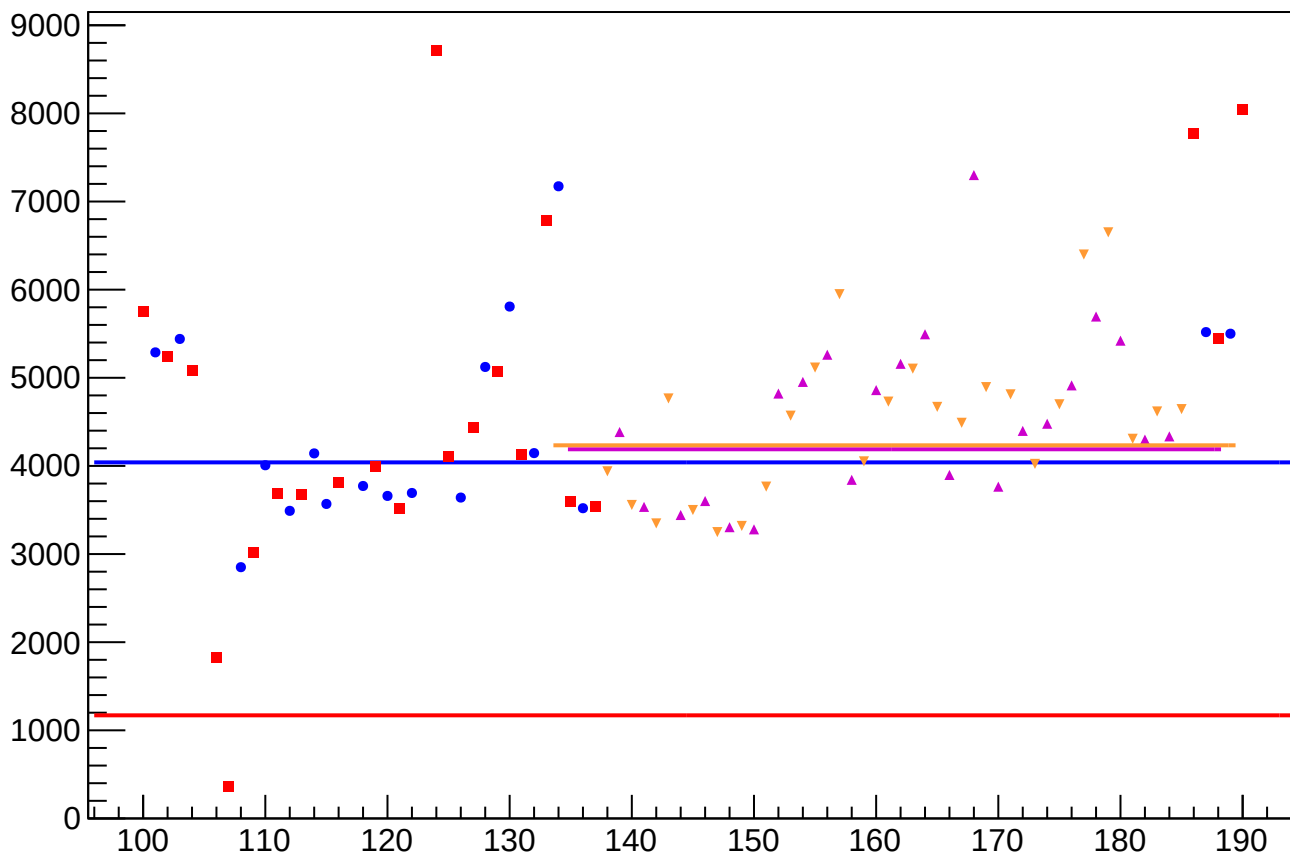
Left In: -65.171 ± 1000.108 χ^2/NDF : 14.0/22

+ sign 171.553 ± 818.887 χ^2/NDF : 41.7/42

All: -284.087 ± 454.496 χ^2/NDF : 81.0/87

- sign -486.929 ± 546.376 χ^2/NDF : 38.9/44

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4040.243+/-1.042 χ^2/NDF : 773421.7/17

Left Out: 4233.911+/-0.696 χ^2/NDF : 1284785.6/24

Right Out: 1170.090+/-0.461 χ^2/NDF : 11843280.6/21

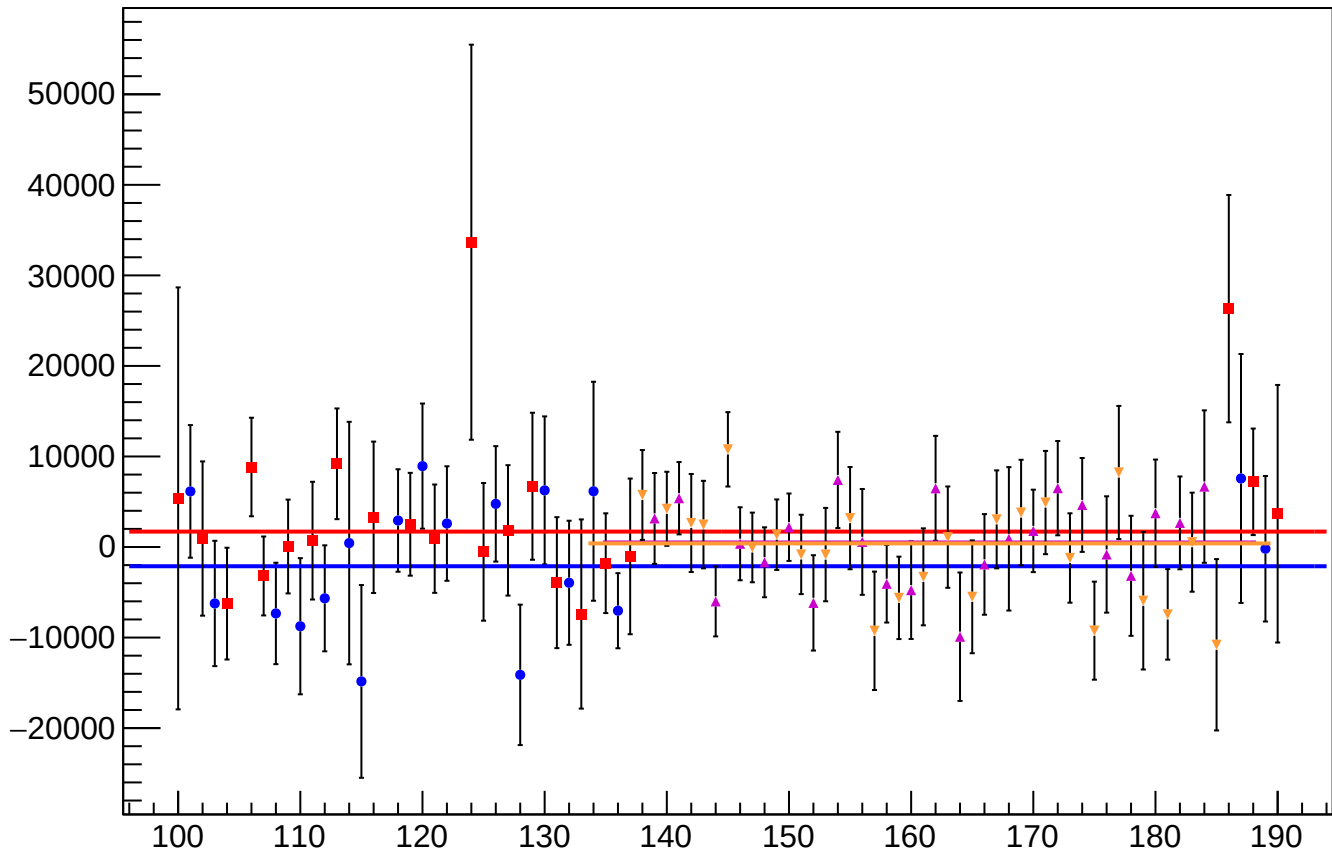
Left In: 4188.880+/-0.707 χ^2/NDF : 1344607.0/22

+ sign 4174.101+/-0.579 χ^2/NDF : 2082085.3/42

All: 2718.907+/-0.321 χ^2/NDF : 37180955.3/8

- sign 2071.084+/-0.386 χ^2/NDF : 25971488.0/44

asym_atl1r2_dd_mean vs Slug



Right In: -2124.260 ± 1637.199 χ^2/NDF : 16.1/17

Left Out: 398.336 ± 1028.431 χ^2/NDF : 24.7/24

Right Out: 1702.483 ± 1477.473 χ^2/NDF : 15.6/21

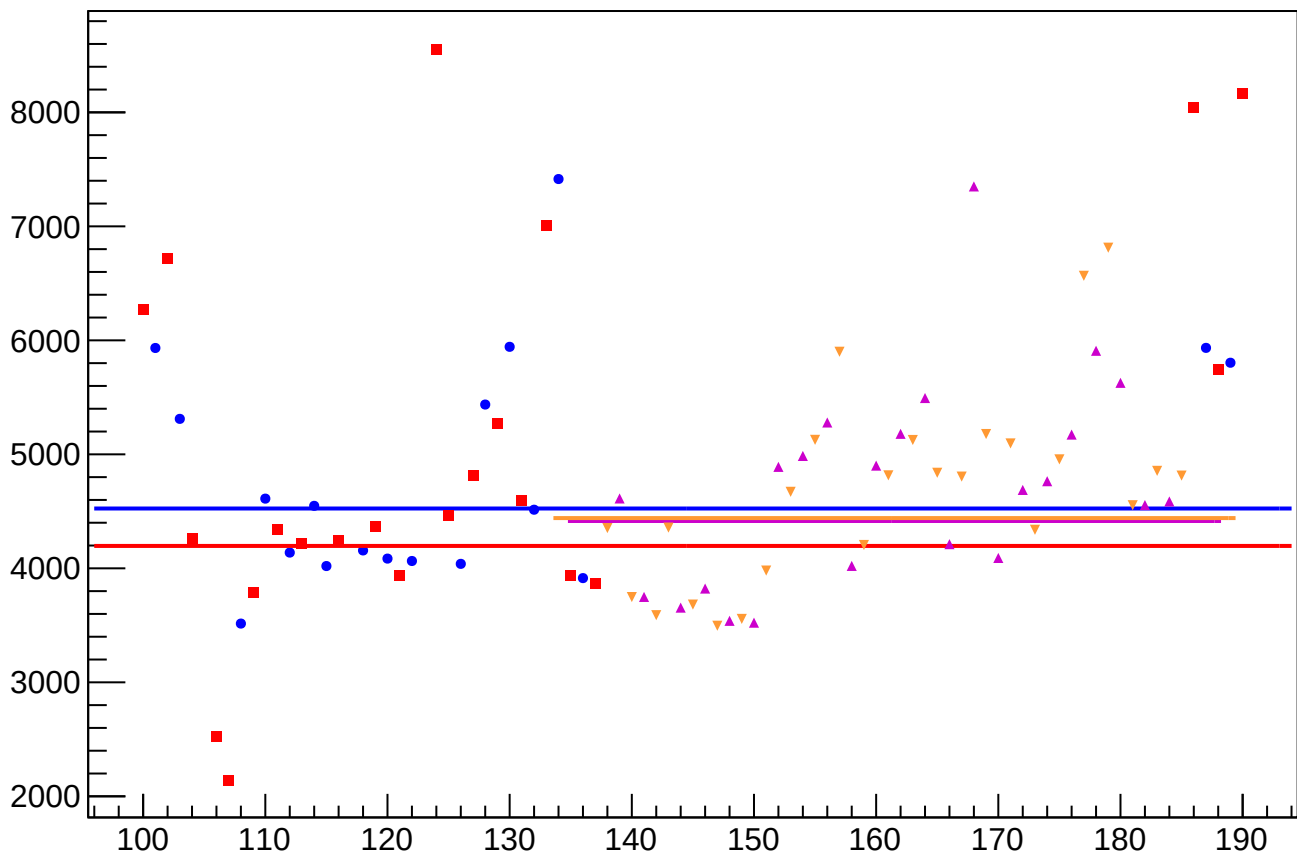
Left In: 502.999 ± 1049.682 χ^2/NDF : 17.3/22

+ sign -315.418 ± 870.867 χ^2/NDF : 42.6/42

All: 305.684 ± 610.366 χ^2/NDF : 76.9/87

- sign 905.351 ± 855.708 χ^2/NDF : 33.4/44

asym_atl1r2_dd_rms vs Slug



Right In: 4524.799+/-1.158 χ^2/NDF : 534130.8/17

Left Out: 4440.810+/-0.727 χ^2/NDF : 1073119.1/24

Right Out: 4196.500+/-1.035 χ^2/NDF : 1662665.0/21

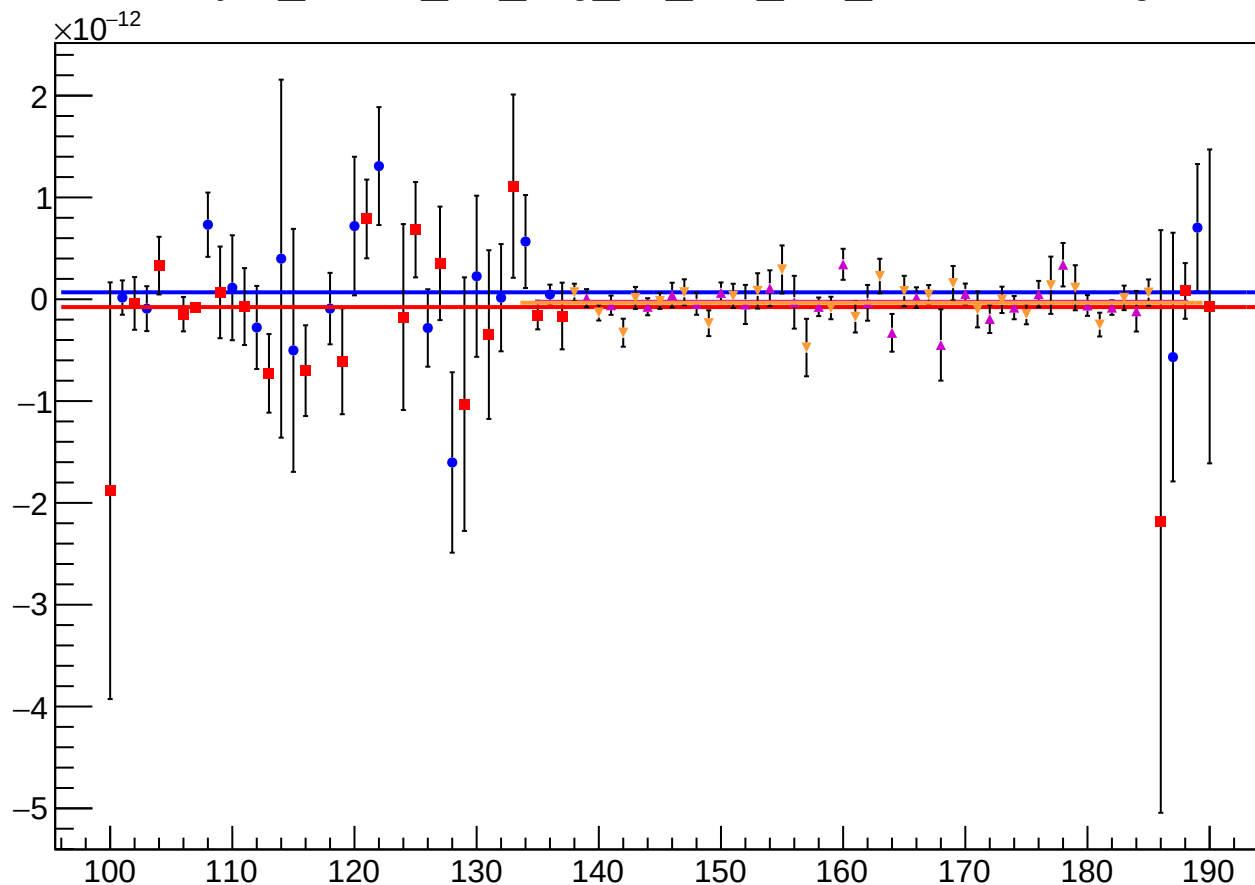
Left In: 4415.366+/-0.742 χ^2/NDF : 1111411.1/22

+ sign 4464.574+/-0.616 χ^2/NDF : 1611024.1/42

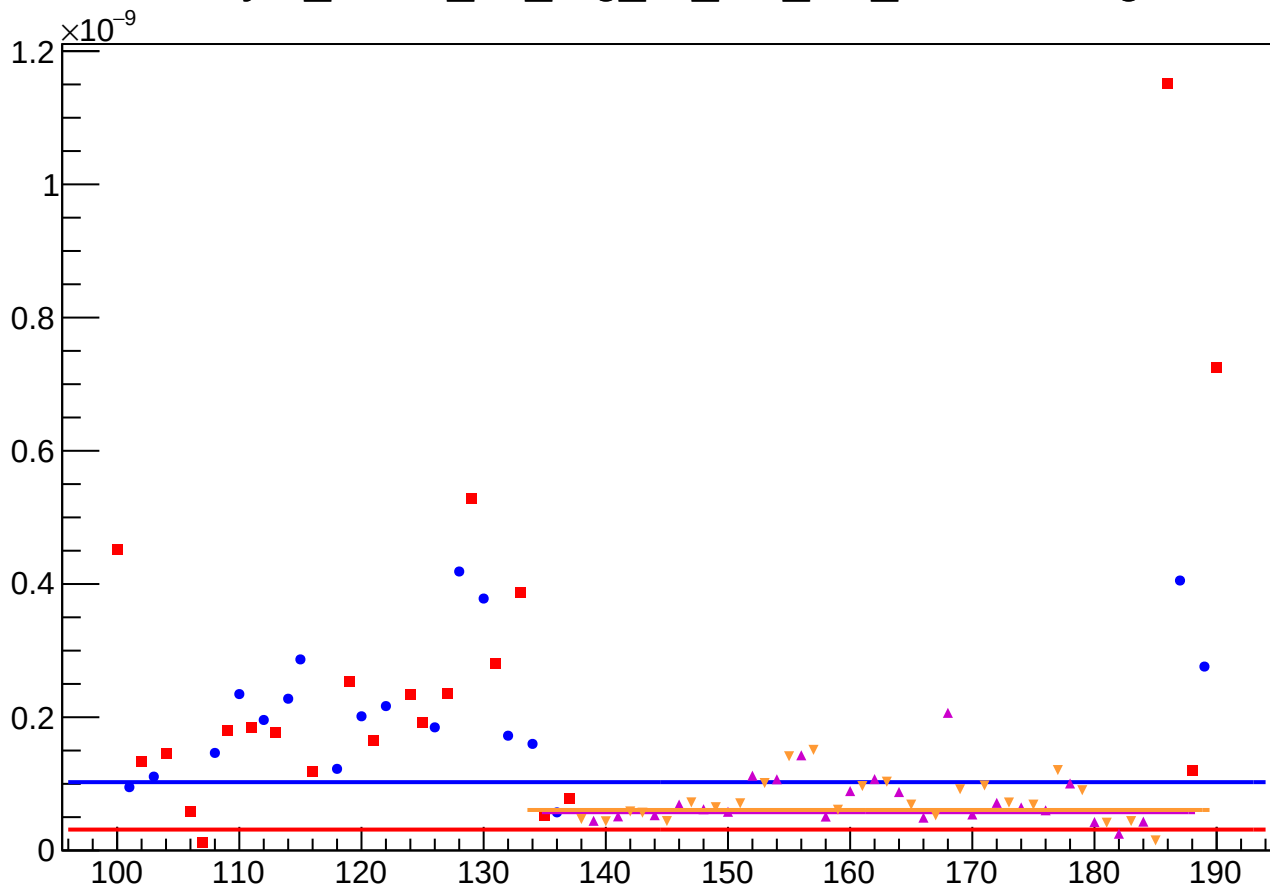
All: 4401.543+/-0.431 χ^2/NDF : 4435150.8/87

- sign 4341.060+/-0.603 χ^2/NDF : 2803596.3/44

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 : 1844089.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5291313.4/21

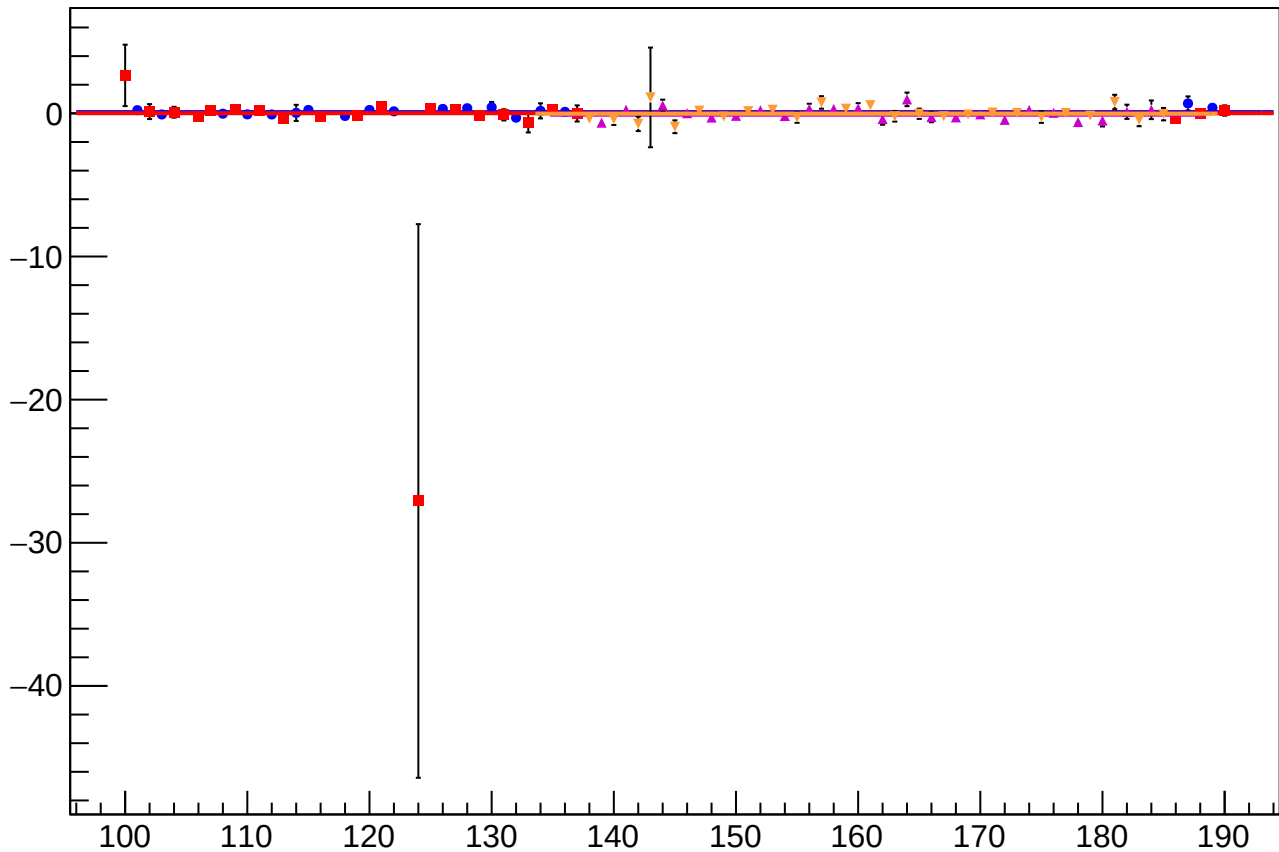
Left In: 0.000+/-0.000 χ^2/NDF : 1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 4241854.0/42

All: 0.000+/-0.000 χ^2/NDF : 12880503.6/87

- sign 0.000+/-0.000 χ^2/NDF : 7975158.4/44

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.088 ± 0.063 $\chi^2/\text{NDF}: 11.5/17$

Left Out: -0.024 ± 0.062 $\chi^2/\text{NDF}: 23.5/24$

Right Out: 0.010 ± 0.053 $\chi^2/\text{NDF}: 24.4/21$

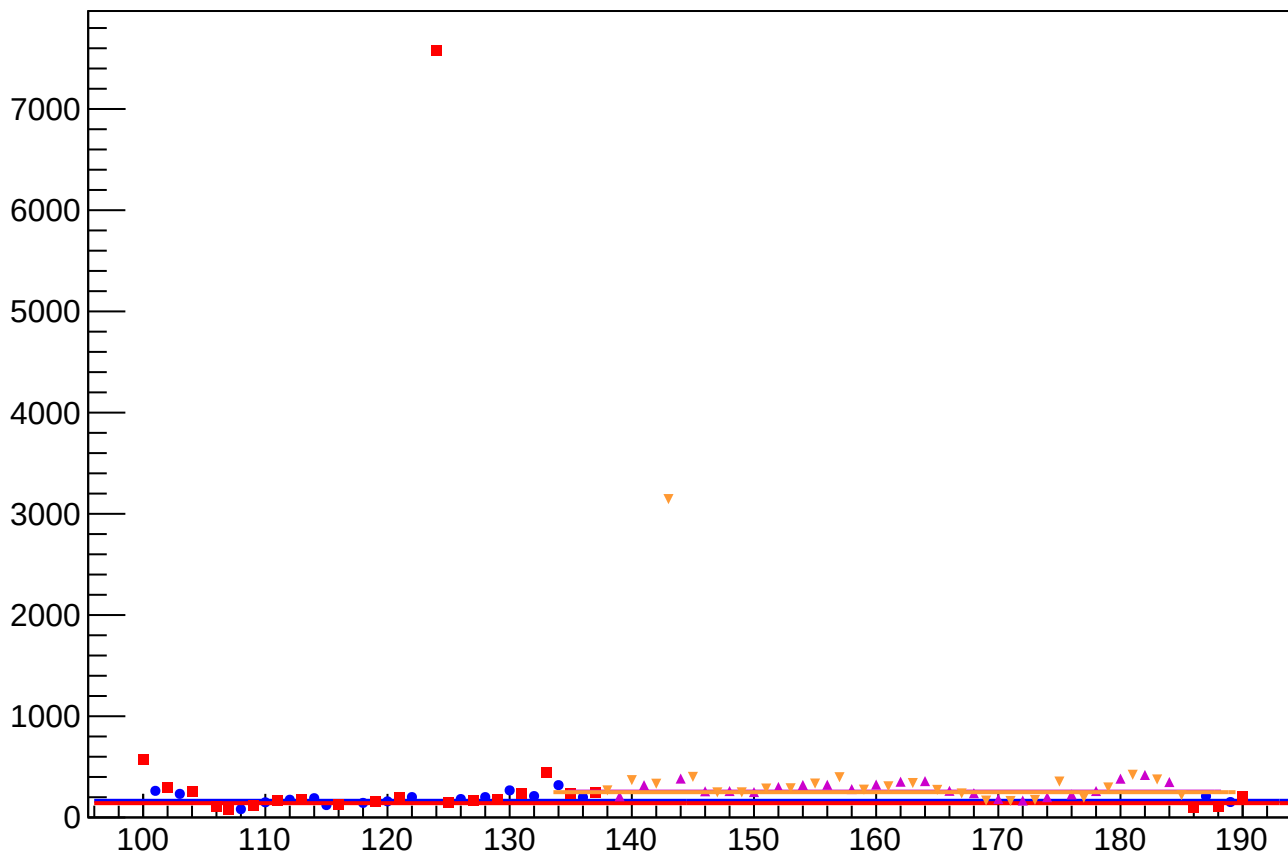
Left In: -0.095 ± 0.063 $\chi^2/\text{NDF}: 31.5/22$

+ sign 0.031 ± 0.044 $\chi^2/\text{NDF}: 36.6/42$

All: -0.004 ± 0.030 $\chi^2/\text{NDF}: 95.3/87$

- sign -0.034 ± 0.041 $\chi^2/\text{NDF}: 57.5/44$

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 164.554+/-0.045 χ^2/NDF : 1498308.9/17

Left Out: 249.848+/-0.044 χ^2/NDF : 4234507.4/24

Right Out: 141.220+/-0.038 χ^2/NDF : 2323342.4/21

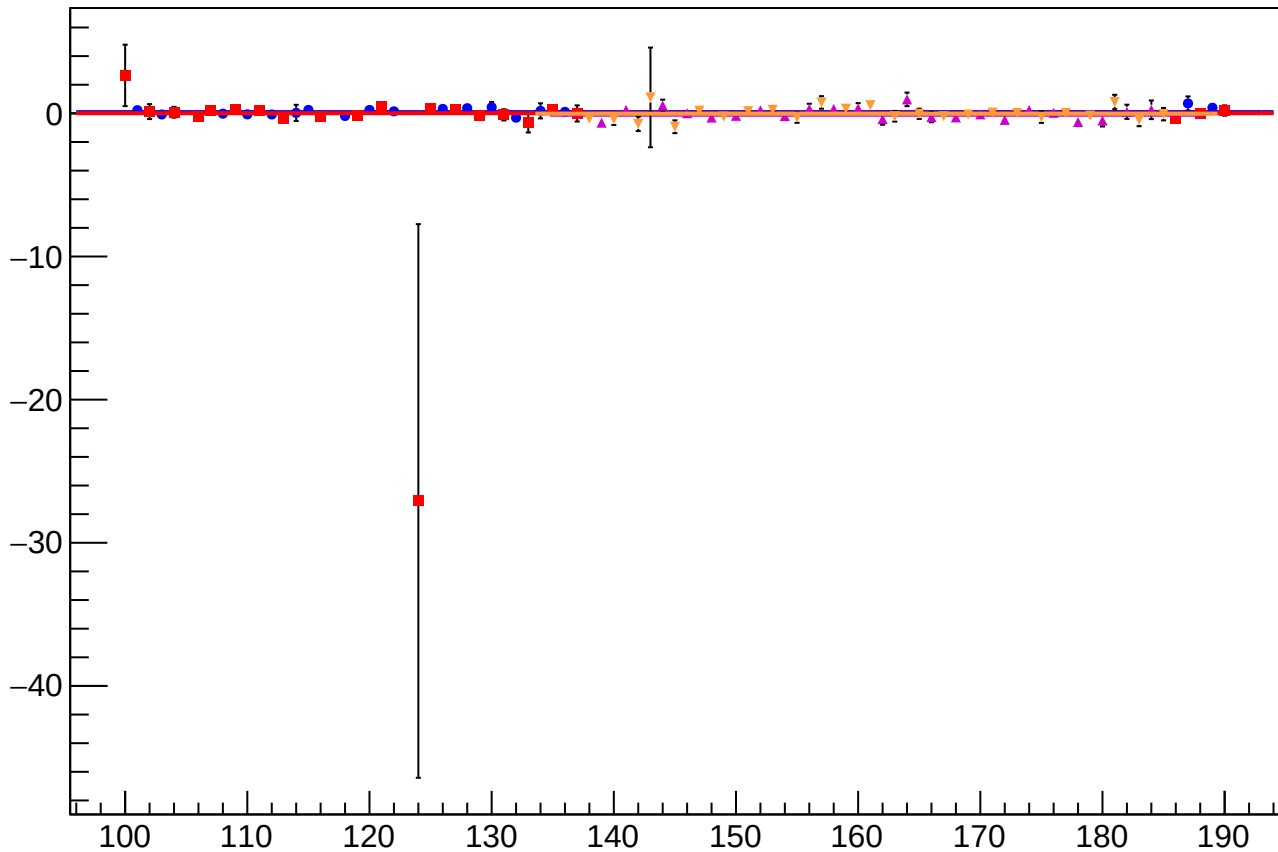
Left In: 255.299+/-0.045 χ^2/NDF : 2111552.0/22

+ sign 208.127+/-0.031 χ^2/NDF : 7607311.6/42

All: 197.568+/-0.021 χ^2/NDF : 16089263.6/87

- sign 188.595+/-0.029 χ^2/NDF : 8269291.9/44

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.088 ± 0.063 $\chi^2/\text{NDF}: 11.5/17$

Left Out: -0.024 ± 0.062 $\chi^2/\text{NDF}: 23.5/24$

Right Out: 0.010 ± 0.053 $\chi^2/\text{NDF}: 24.4/21$

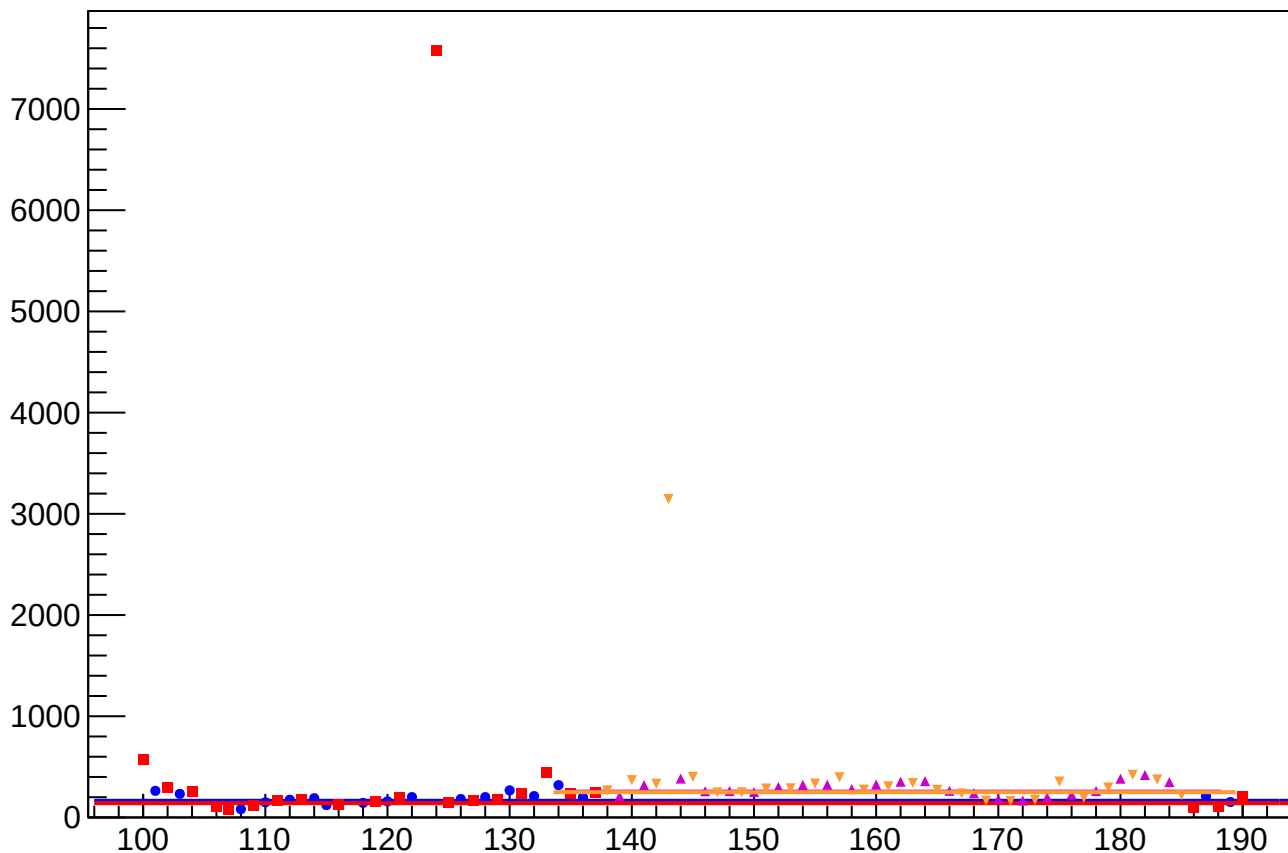
Left In: -0.095 ± 0.063 $\chi^2/\text{NDF}: 31.5/22$

+ sign 0.031 ± 0.044 $\chi^2/\text{NDF}: 36.6/42$

All: -0.004 ± 0.030 $\chi^2/\text{NDF}: 95.3/87$

- sign -0.034 ± 0.041 $\chi^2/\text{NDF}: 57.5/44$

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.554 $\pm$ 0.045 χ^2 /NDF: 1498308.9/17

Left Out: 249.848 $\pm$ 0.044 χ^2 /NDF: 4234507.4/24

Right Out: 141.220 $\pm$ 0.038 χ^2 /NDF: 2323342.4/21

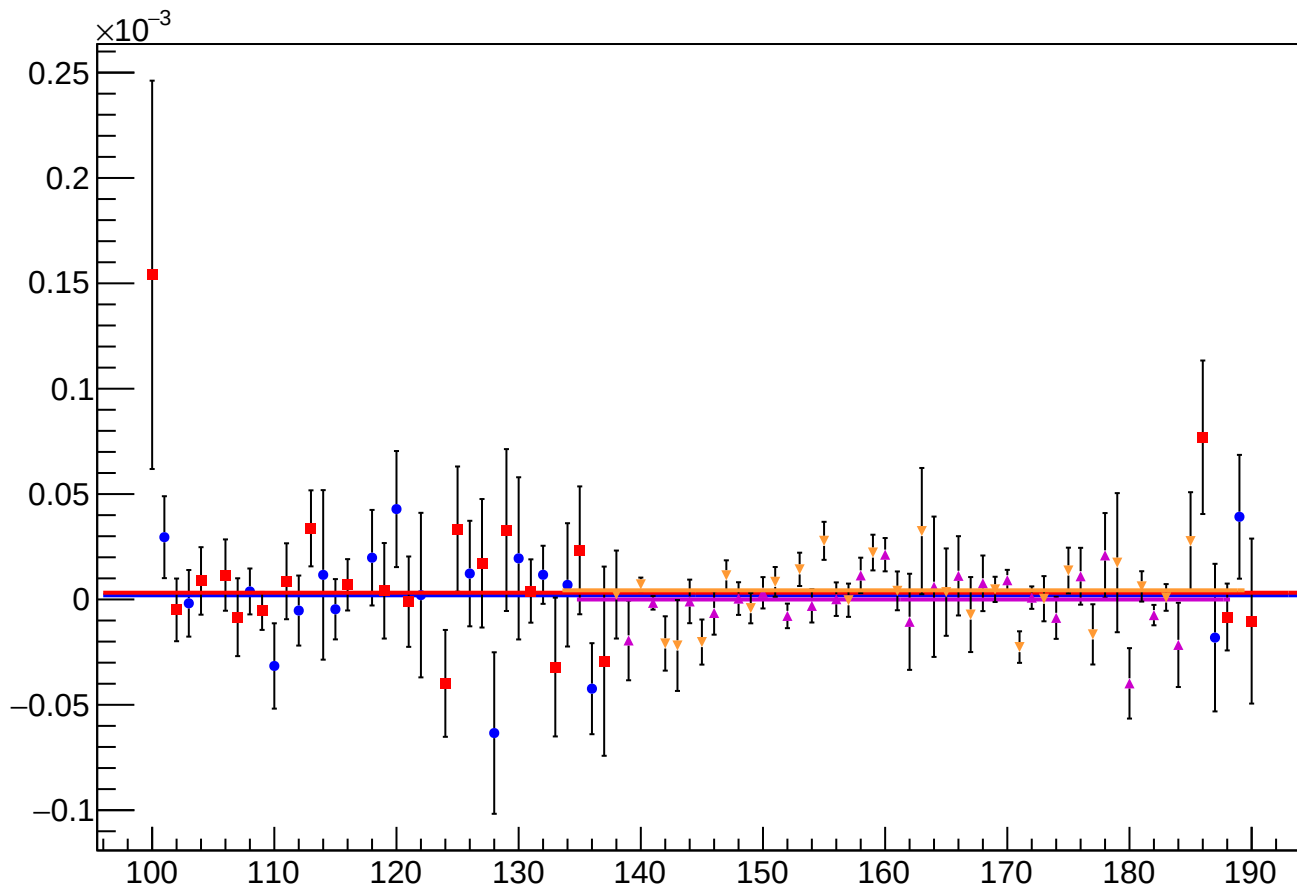
Left In: 255.299 $\pm$ 0.045 χ^2 /NDF: 2111552.0/22

+ sign 208.127 $\pm$ 0.031 χ^2 /NDF: 7607311.6/42

All: 197.568 $\pm$ 0.021 χ^2 /NDF: 16089263.6/87

- sign 188.595 $\pm$ 0.029 χ^2 /NDF: 8269291.9/44

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.1/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 46.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.3/21

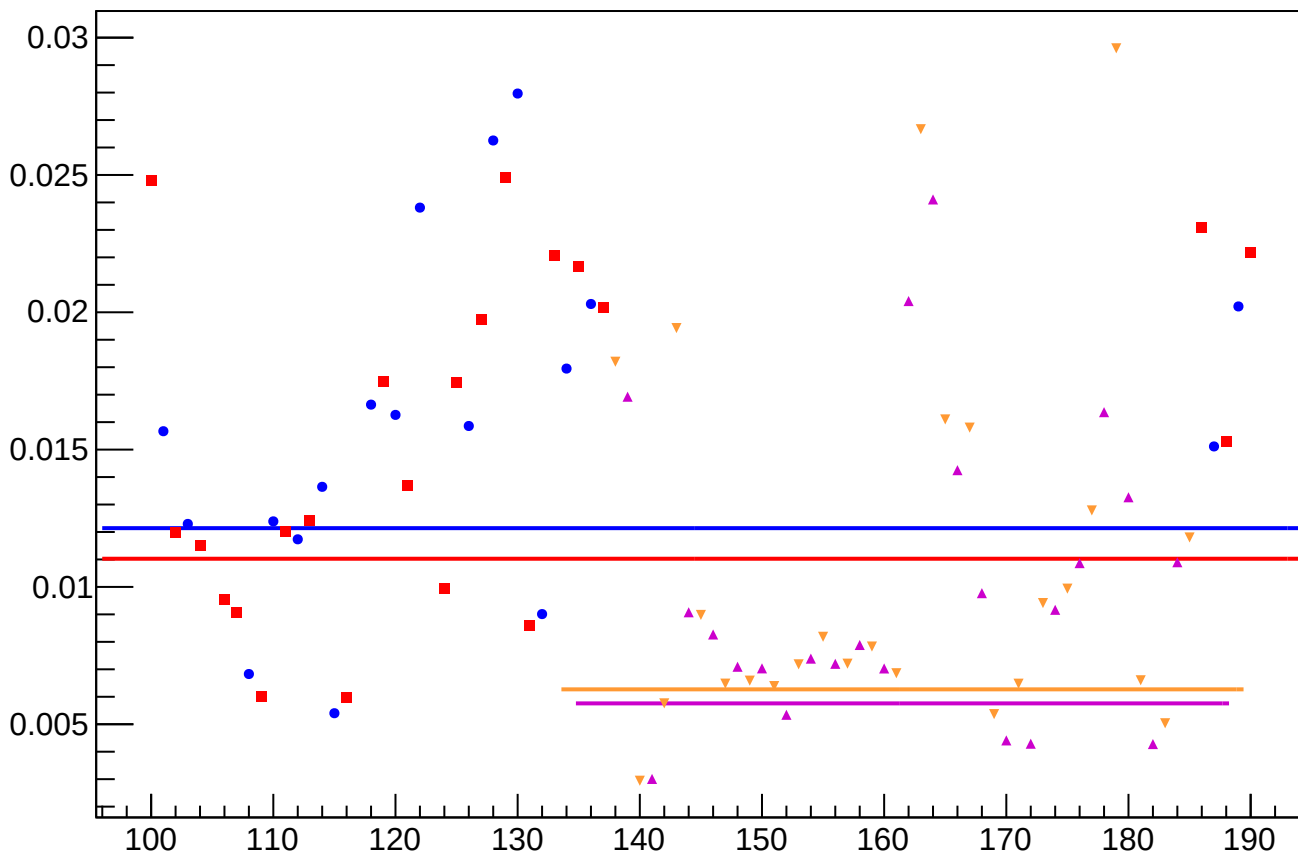
Left In: -0.000 ± 0.000 χ^2/NDF : 29.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 64.4/42

All: 0.000 ± 0.000 χ^2/NDF : 116.2/87

- sign 0.000 ± 0.000 χ^2/NDF : 48.9/44

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2579270.8/17

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 7909965.6/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 2922396.3/21

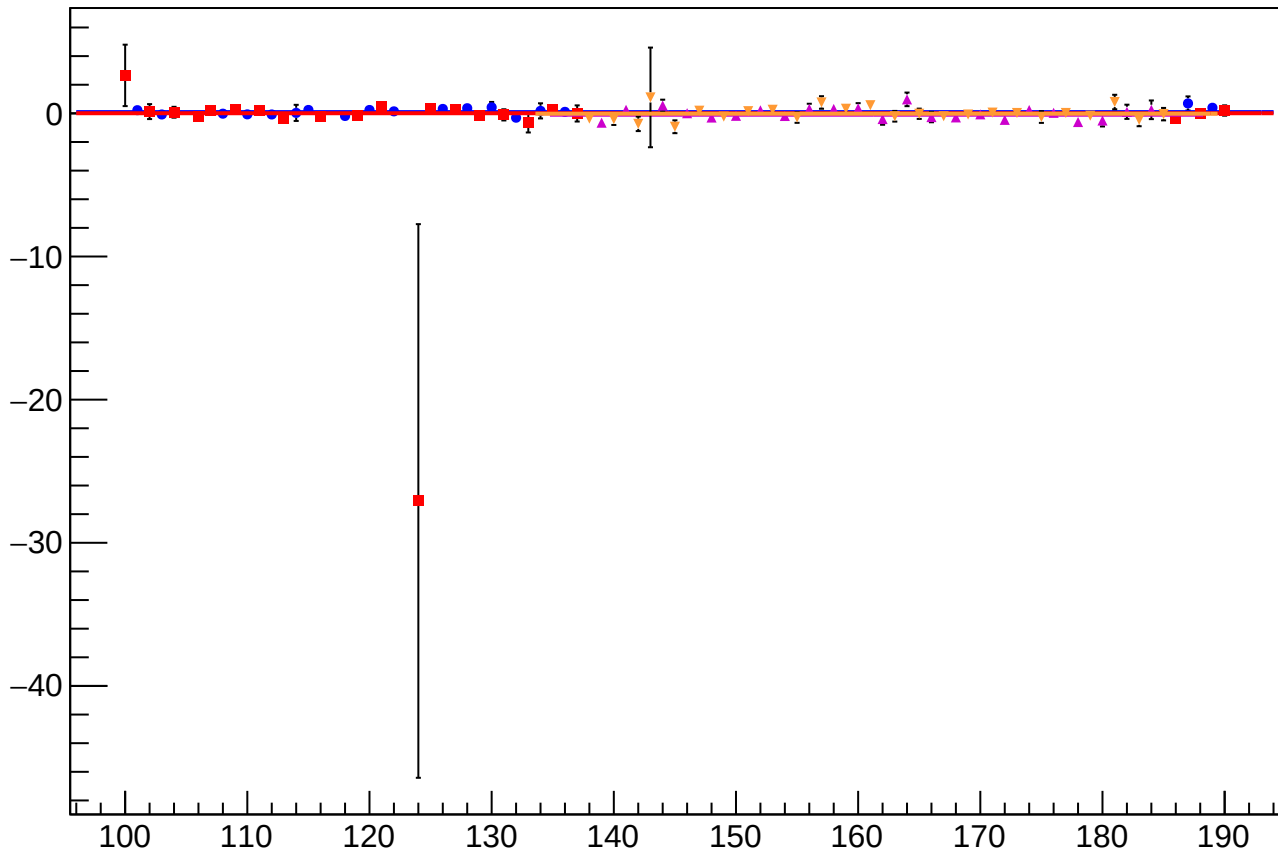
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7081814.9/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 13200223.8/42

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 26228862.3/87

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 12943338.4/44

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.088 ± 0.063 $\chi^2/\text{NDF}: 11.5/17$

Left Out: -0.024 ± 0.062 $\chi^2/\text{NDF}: 23.5/24$

Right Out: 0.010 ± 0.053 $\chi^2/\text{NDF}: 24.4/21$

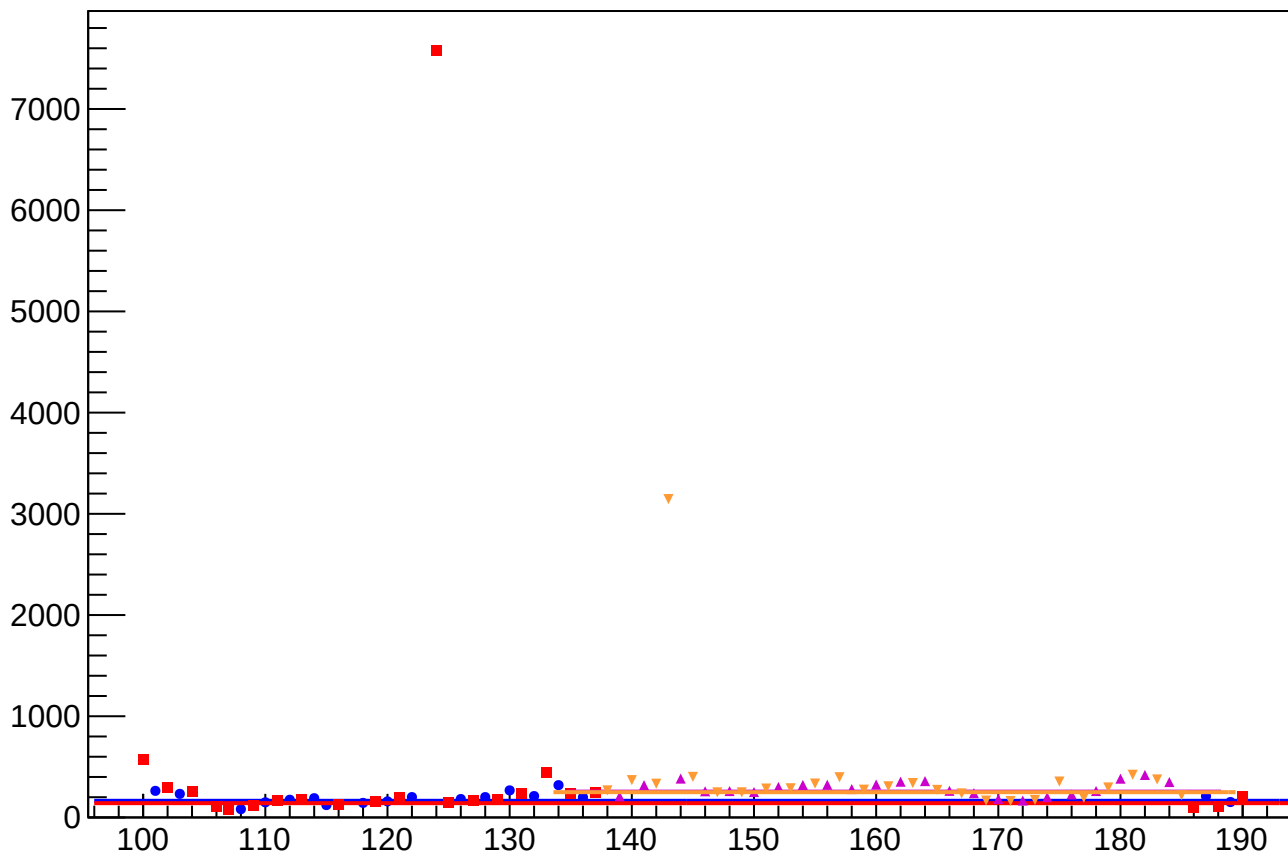
Left In: -0.095 ± 0.063 $\chi^2/\text{NDF}: 31.5/22$

+ sign 0.031 ± 0.044 $\chi^2/\text{NDF}: 36.6/42$

All: -0.004 ± 0.030 $\chi^2/\text{NDF}: 95.3/87$

- sign -0.034 ± 0.041 $\chi^2/\text{NDF}: 57.5/44$

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 164.552 $\pm$ 0.045 χ^2 /NDF: 1498299.7/17

Left Out: 249.850 $\pm$ 0.044 χ^2 /NDF: 4234600.7/24

Right Out: 141.222 $\pm$ 0.038 χ^2 /NDF: 2323235.6/21

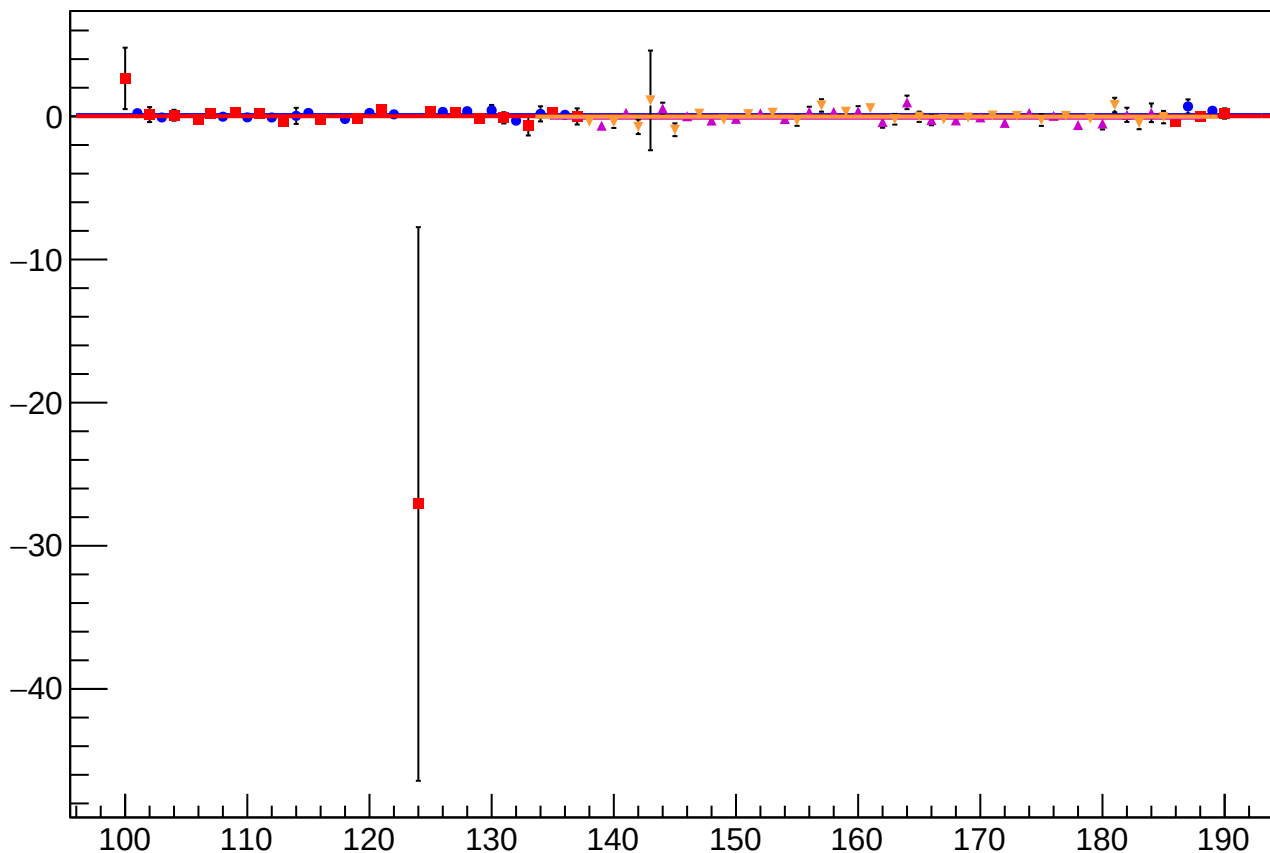
Left In: 255.302 $\pm$ 0.045 χ^2 /NDF: 2111585.0/22

+ sign 208.126 $\pm$ 0.031 χ^2 /NDF: 7607563.2/42

All: 197.568 $\pm$ 0.021 χ^2 /NDF: 16089303.8/87

- sign 188.597 $\pm$ 0.029 χ^2 /NDF: 8269153.3/44

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.088 ± 0.063 $\chi^2/\text{NDF}: 11.5/17$

Left Out: -0.024 ± 0.062 $\chi^2/\text{NDF}: 23.5/24$

Right Out: 0.010 ± 0.053 $\chi^2/\text{NDF}: 24.4/21$

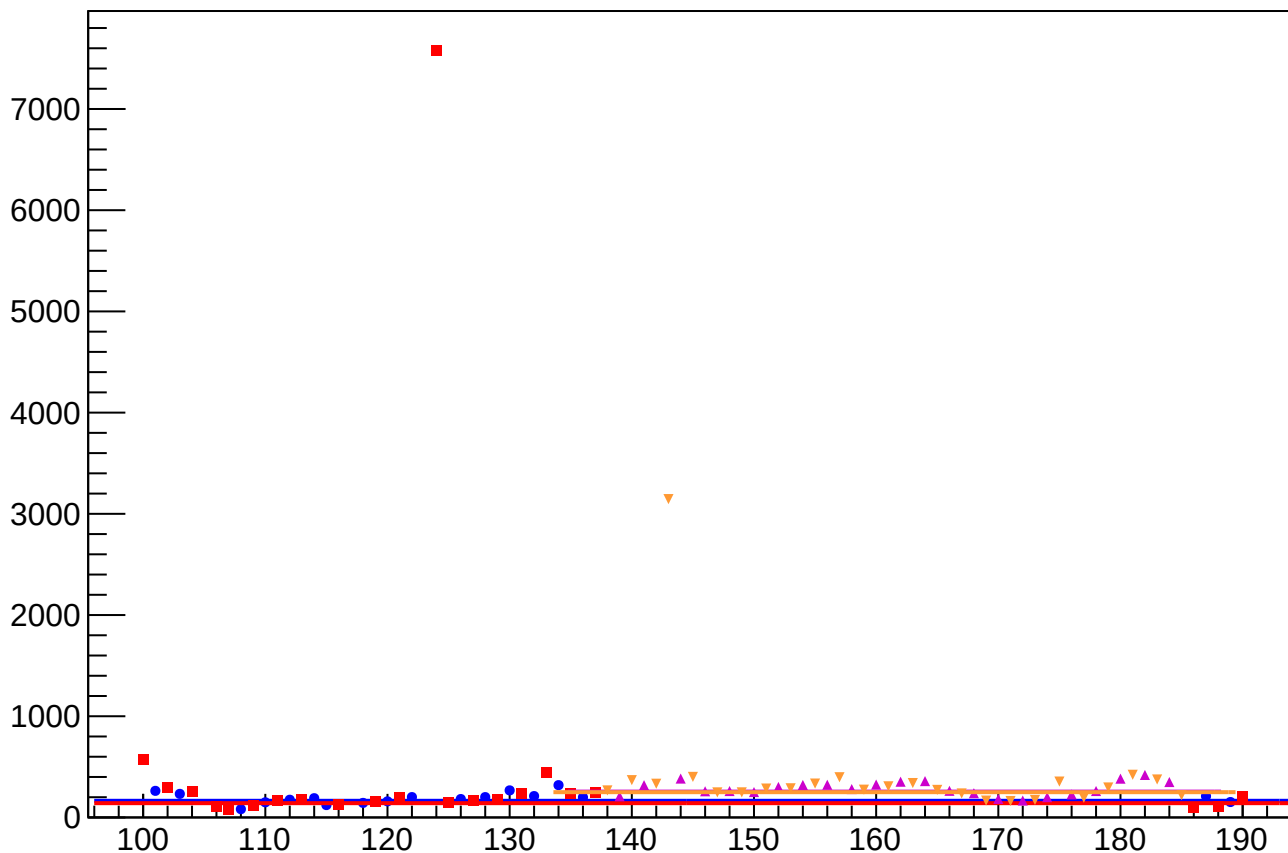
Left In: -0.095 ± 0.063 $\chi^2/\text{NDF}: 31.5/22$

+ sign 0.031 ± 0.044 $\chi^2/\text{NDF}: 36.6/42$

All: -0.004 ± 0.030 $\chi^2/\text{NDF}: 95.3/87$

- sign -0.034 ± 0.041 $\chi^2/\text{NDF}: 57.5/44$

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 164.552 $\pm$ 0.045 χ^2 /NDF: 1498299.7/17

Left Out: 249.850 $\pm$ 0.044 χ^2 /NDF: 4234600.7/24

Right Out: 141.222 $\pm$ 0.038 χ^2 /NDF: 2323235.6/21

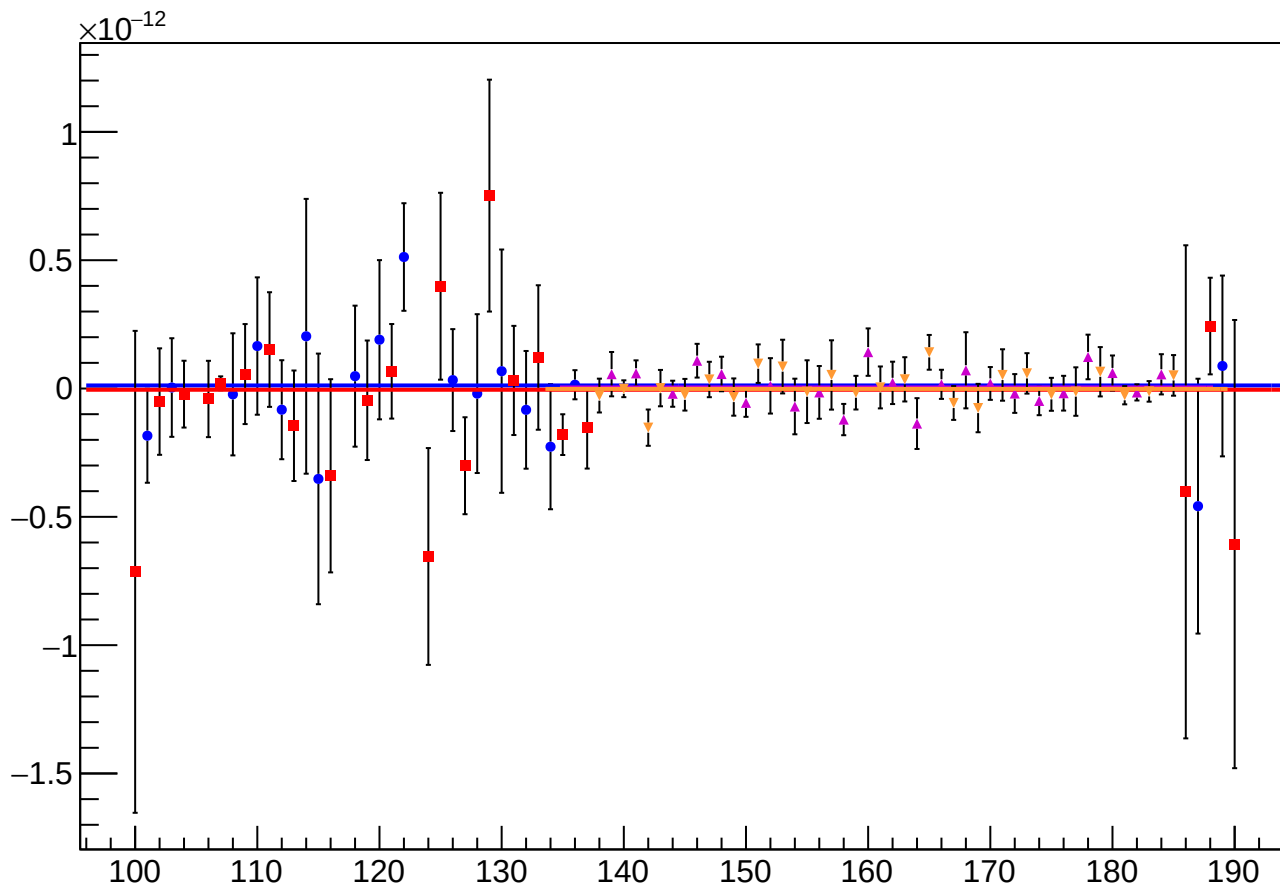
Left In: 255.302 $\pm$ 0.045 χ^2 /NDF: 2111585.0/22

+ sign 208.126 $\pm$ 0.031 χ^2 /NDF: 7607563.2/42

All: 197.568 $\pm$ 0.021 χ^2 /NDF: 16089303.8/87

- sign 188.597 $\pm$ 0.029 χ^2 /NDF: 8269153.3/44

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10.6/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.8/21

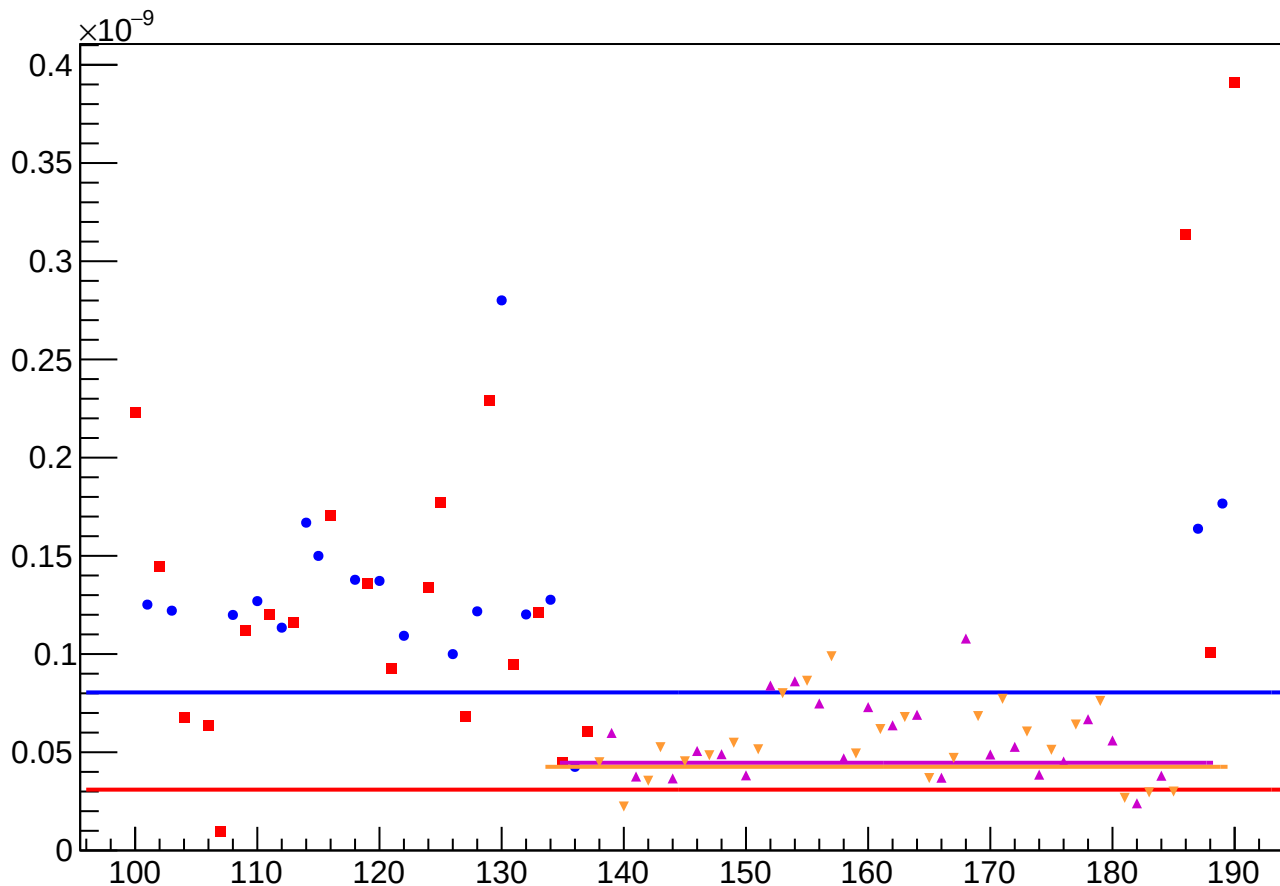
Left In: 0.000 ± 0.000 χ^2/NDF : 19.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 27.0/42

All: 0.000 ± 0.000 χ^2/NDF : 67.8/87

- sign 0.000 ± 0.000 χ^2/NDF : 40.7/44

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2312915.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6281297.0/21

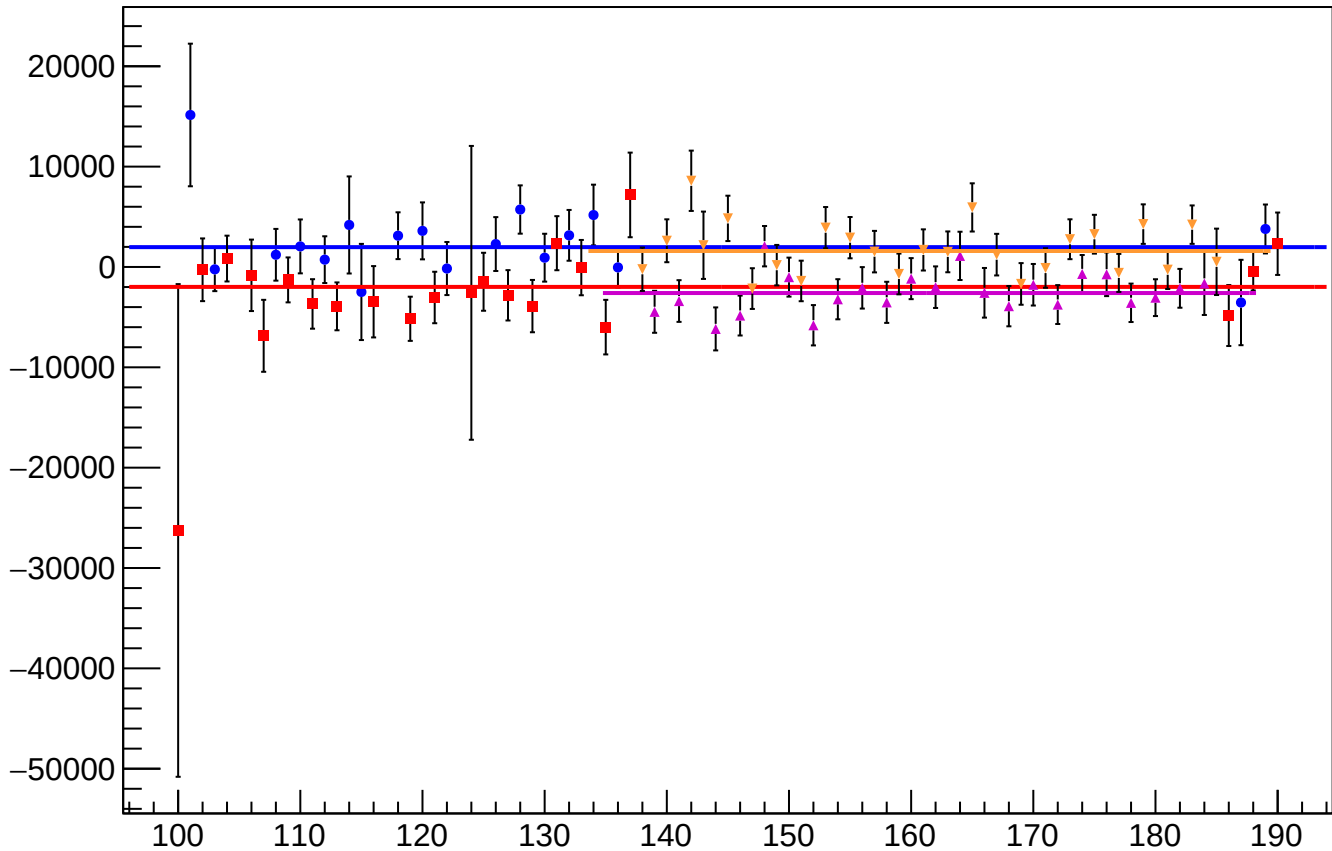
Left In: 0.000+/-0.000 χ^2/NDF : 2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 7450265.6/42

All: 0.000+/-0.000 χ^2/NDF : 17297036.1/87

- sign 0.000+/-0.000 χ^2/NDF : 9685956.1/44

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1976.094 $\pm$ 636.730 χ^2 /NDF: 14.4/17

Left Out: 1592.464 $\pm$ 423.298 χ^2 /NDF: 31.3/24

Right Out: -1986.440 $\pm$ 597.652 χ^2 /NDF: 22.6/21

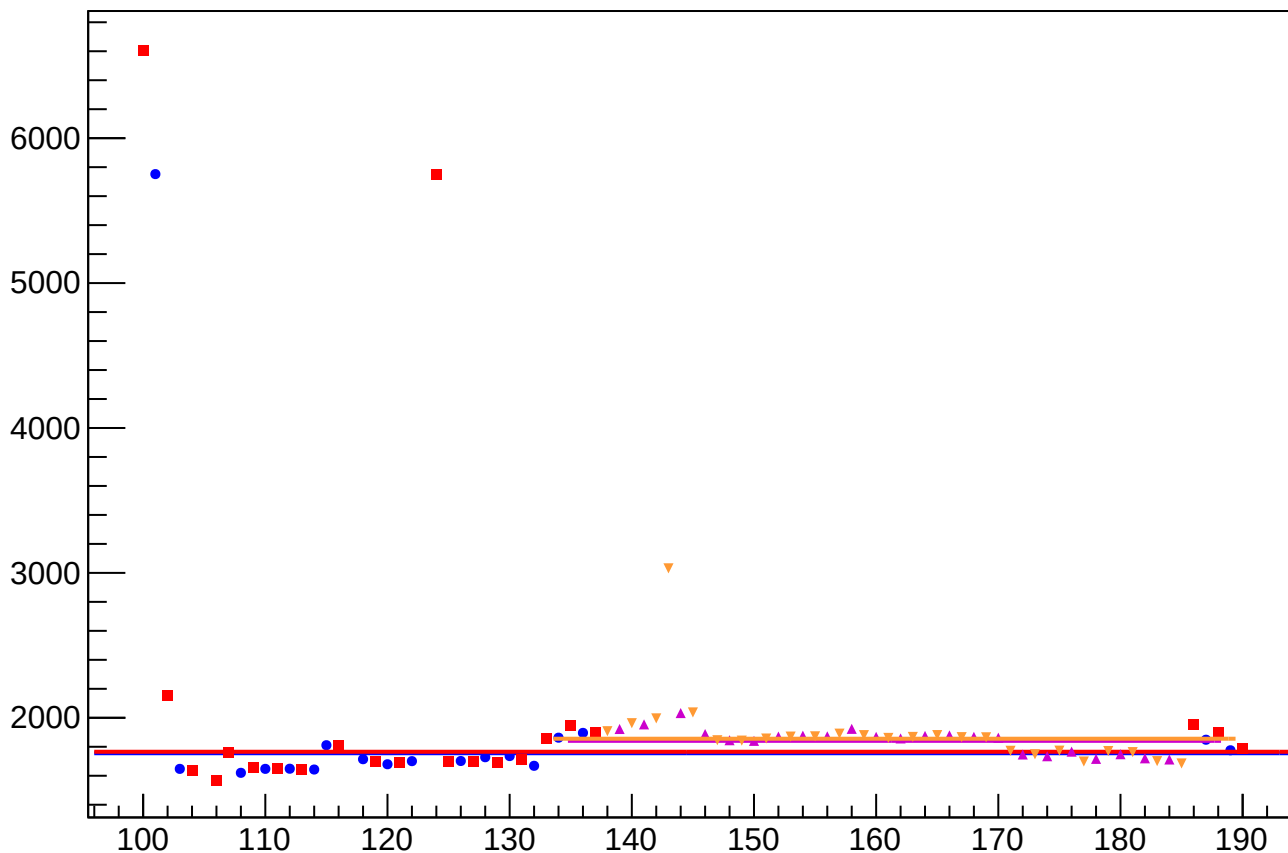
Left In: -2597.740 $\pm$ 430.293 χ^2 /NDF: 20.1/22

+ sign 1710.046 $\pm$ 352.509 χ^2 /NDF: 45.9/42

All: -358.814 $\pm$ 248.084 χ^2 /NDF: 157.5/87

- sign -2389.045 $\pm$ 349.202 χ^2 /NDF: 43.3/44

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1755.429+/-0.450 χ^2/NDF : 671815.7/17

Left Out: 1855.560+/-0.299 χ^2/NDF : 324267.7/24

Right Out: 1765.605+/-0.420 χ^2/NDF : 324491.1/21

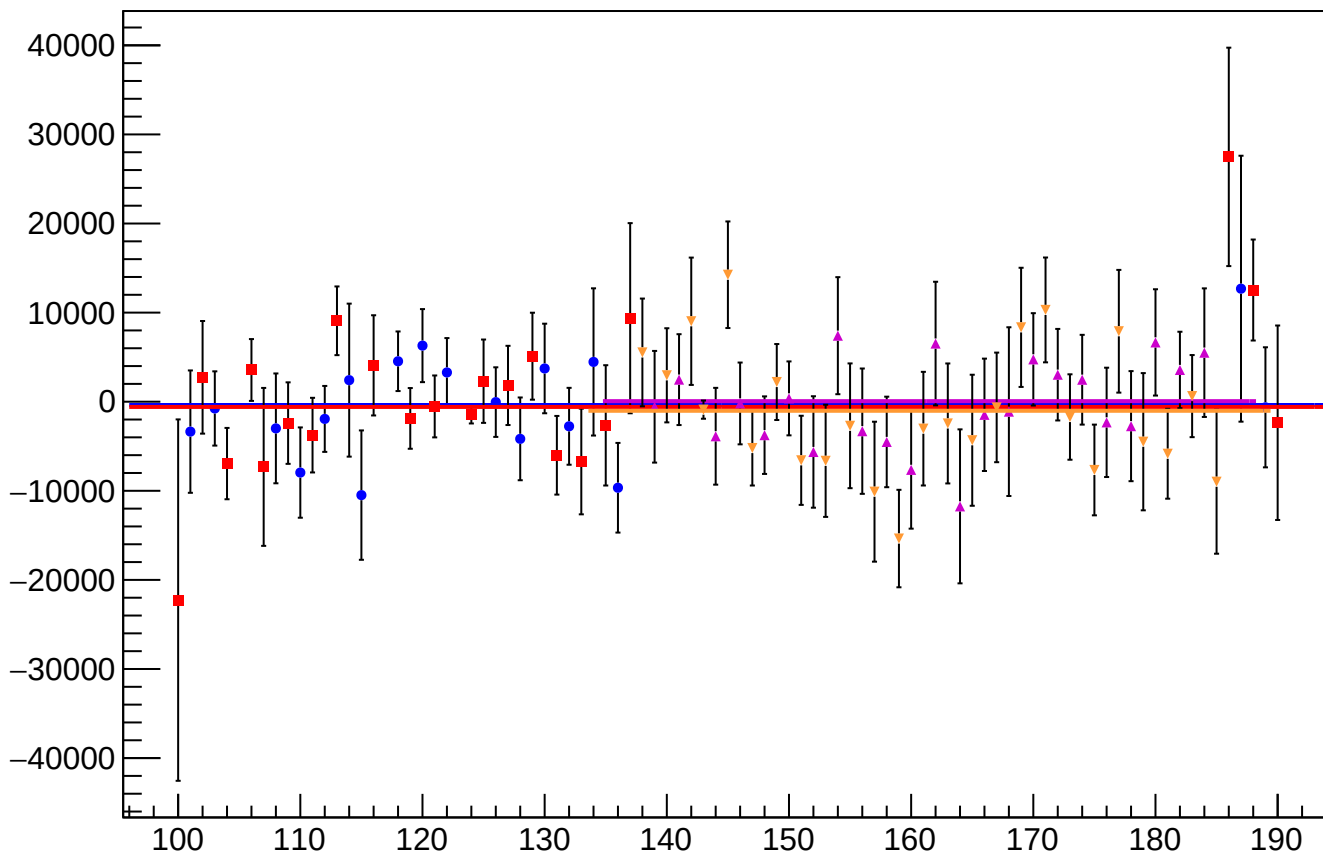
Left In: 1840.981+/-0.304 χ^2/NDF : 70985.8/22

+ sign 1824.870+/-0.249 χ^2/NDF : 1030383.8/42

All: 1819.898+/-0.175 χ^2/NDF : 1447768.7/87

- sign 1815.040+/-0.246 χ^2/NDF : 416598.4/44

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -371.270 ± 1153.546 $\chi^2/\text{NDF}: 16.7/17$

Left Out: -1018.861 ± 771.816 $\chi^2/\text{NDF}: 33.7/24$

Right Out: -586.525 ± 717.067 $\chi^2/\text{NDF}: 30.9/21$

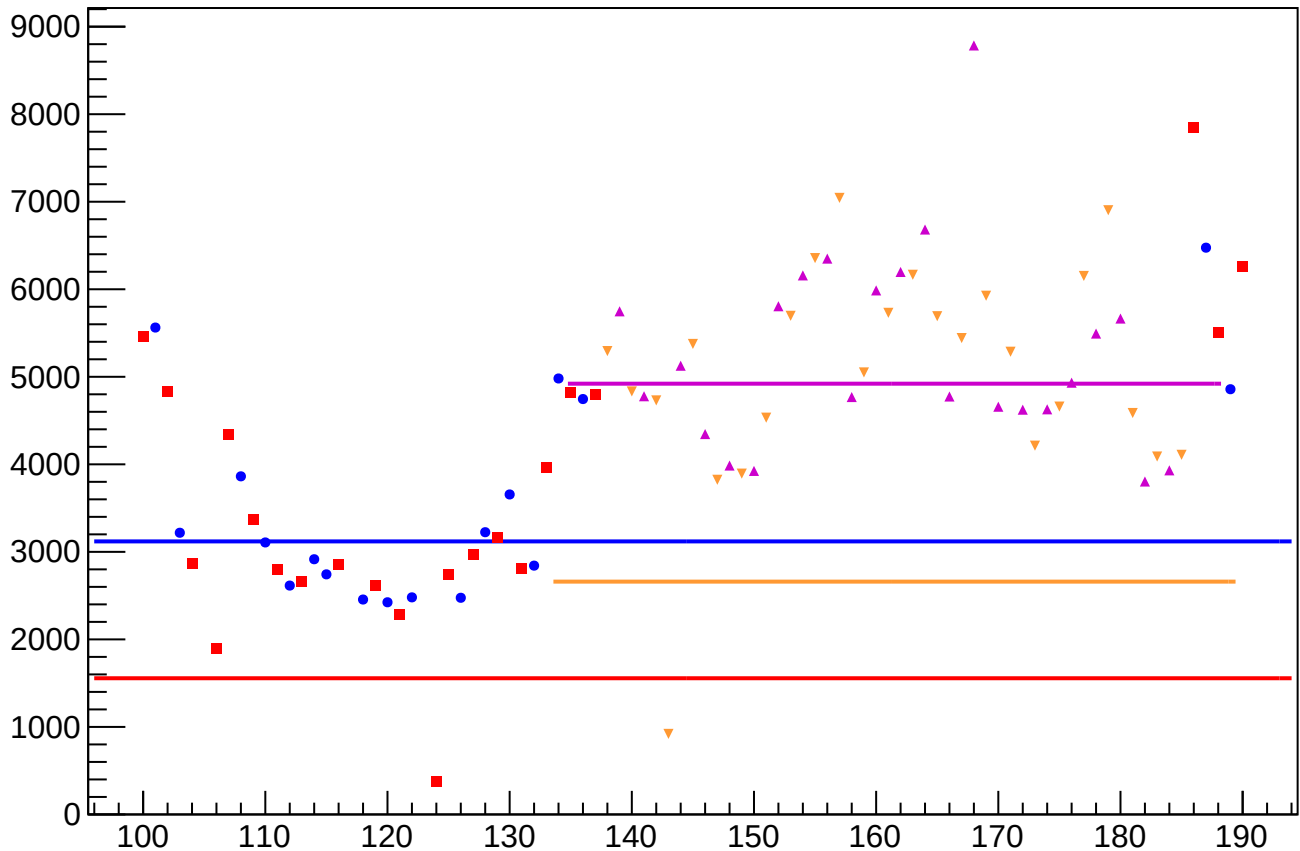
Left In: 62.369 ± 1173.429 $\chi^2/\text{NDF}: 13.0/22$

+ sign -818.603 ± 641.474 $\chi^2/\text{NDF}: 50.7/42$

All: -604.704 ± 442.752 $\chi^2/\text{NDF}: 95.0/87$

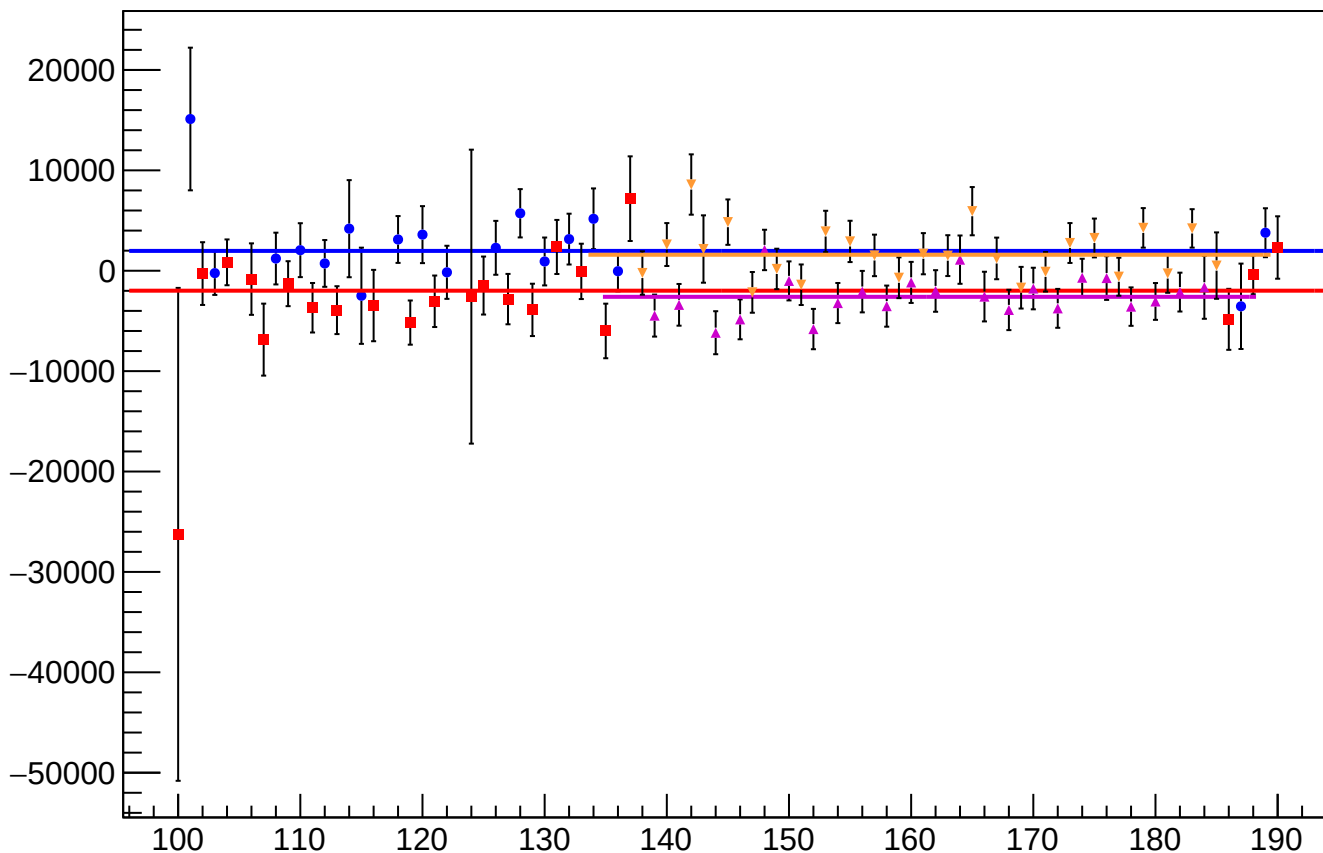
- sign -410.094 ± 611.867 $\chi^2/\text{NDF}: 44.1/44$

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3119.510+/-0.816	χ^2/NDF : 1149486.9/17	+ sign 2802.103+/-0.454	χ^2/NDF : 15904772.3/42
Left Out: 2660.009+/-0.546	χ^2/NDF : 14536074.6/24	All: 2628.780+/-0.313	χ^2/NDF : 38111270.1/8
Right Out: 1556.104+/-0.507	χ^2/NDF : 8699856.5/21	- sign 2471.087+/-0.433	χ^2/NDF : 21927645.0/44
Left In: 4921.319+/-0.830	χ^2/NDF : 1251123.1/22		

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.815 $\pm$ 636.730 χ^2 /NDF: 14.3/17

Left Out: 1592.431 $\pm$ 423.298 χ^2 /NDF: 31.3/24

Right Out: -1986.487 $\pm$ 597.652 χ^2 /NDF: 22.6/21

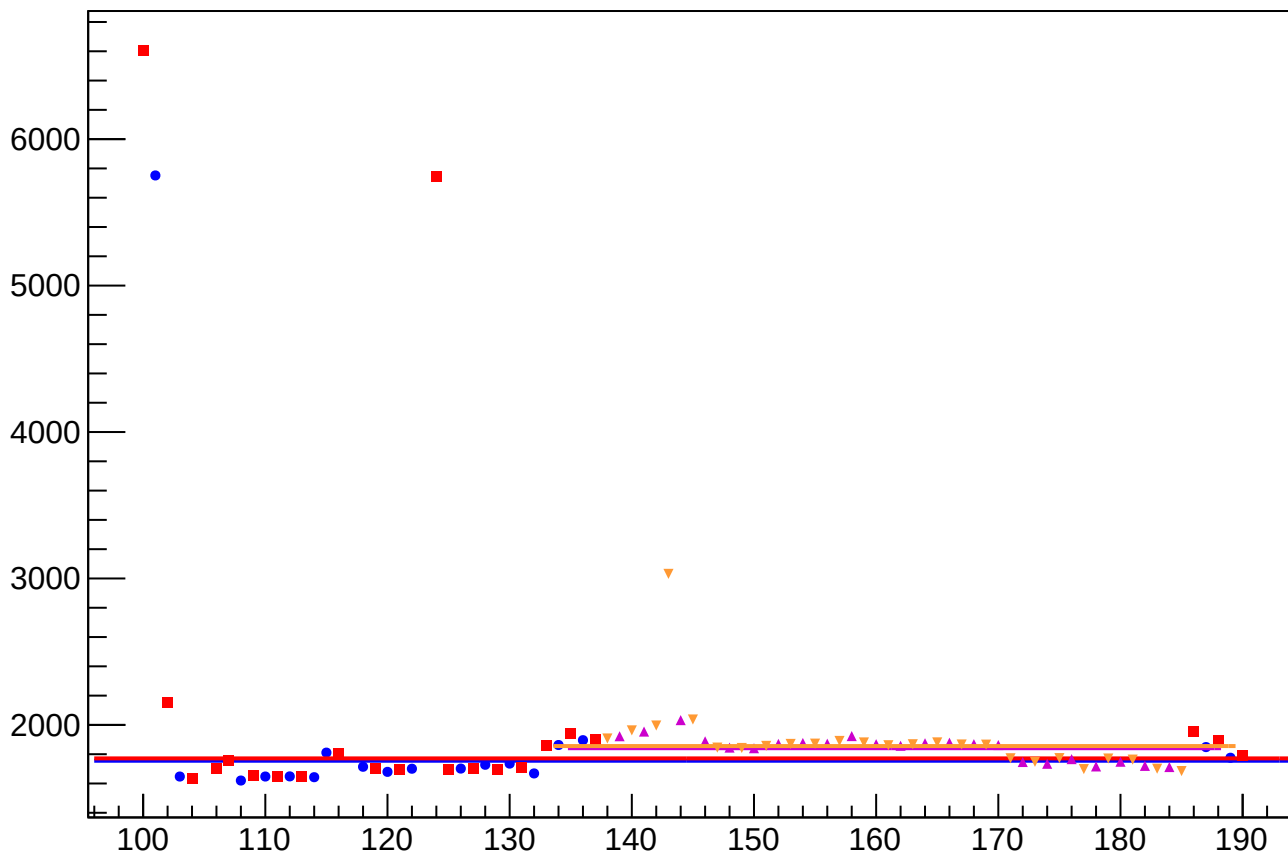
Left In: -2597.812 $\pm$ 430.293 χ^2 /NDF: 20.1/22

+ sign 1709.938 $\pm$ 352.509 χ^2 /NDF: 45.9/42

All: -358.899 $\pm$ 248.084 χ^2 /NDF: 157.4/87

- sign -2389.109 $\pm$ 349.202 χ^2 /NDF: 43.3/44

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1755.429+/-0.450 χ^2/NDF : 671815.9/17

Left Out: 1855.560+/-0.299 χ^2/NDF : 324267.7/24

Right Out: 1771.346+/-0.421 χ^2/NDF : 316212.5/21

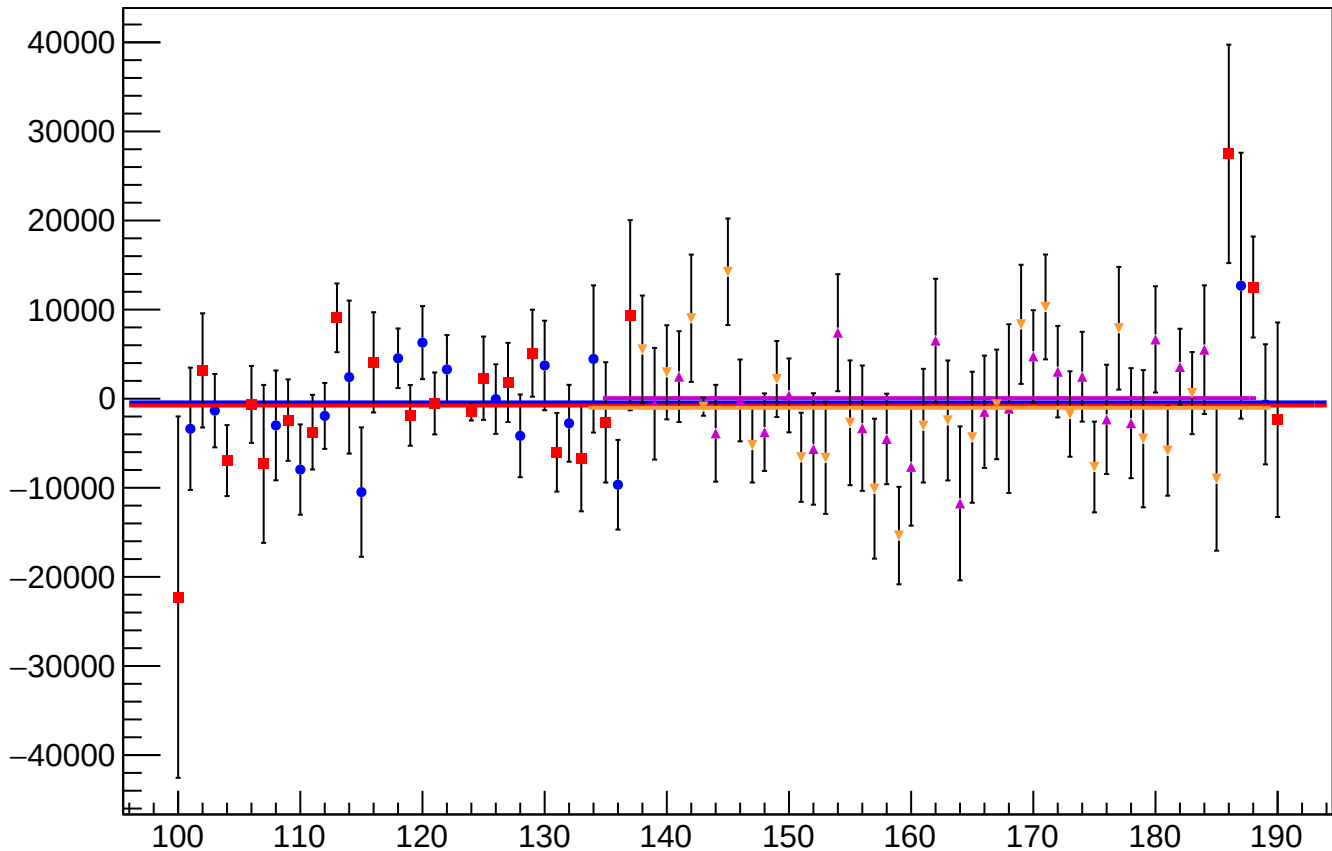
Left In: 1840.981+/-0.304 χ^2/NDF : 70985.8/22

+ sign 1824.870+/-0.249 χ^2/NDF : 1030384.2/42

All: 1820.949+/-0.175 χ^2/NDF : 1436027.8/87

- sign 1817.110+/-0.247 χ^2/NDF : 405153.9/44

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -418.335+/-1152.400 χ^2/NDF : 16.7/17

Left Out: -1018.712+/-771.798 χ^2/NDF : 33.7/24

Right Out: -765.933+/-722.585 χ^2/NDF : 29.5/21

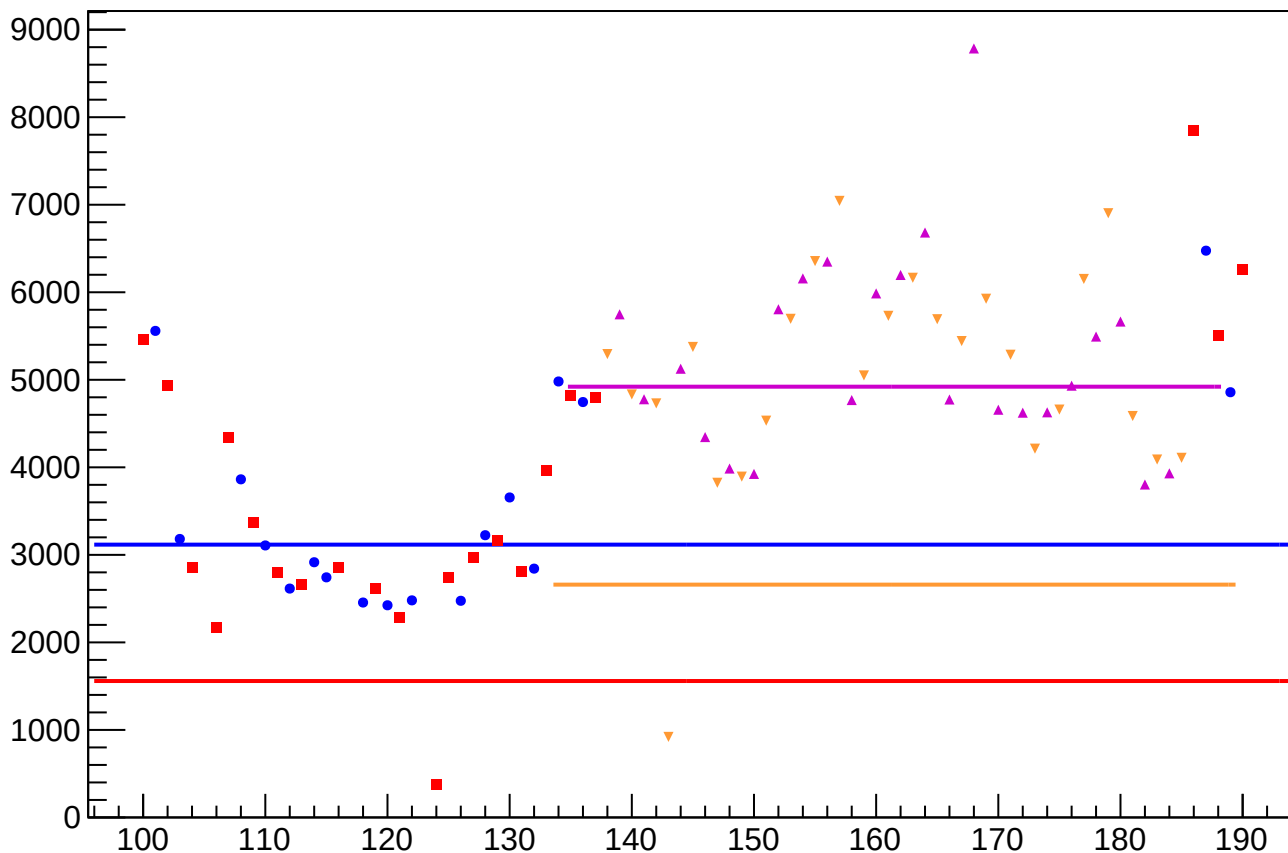
Left In: 62.286+/-1173.429 χ^2/NDF : 13.0/22

+ sign -832.805+/-641.267 χ^2/NDF : 50.7/42

All: -679.425+/-443.973 χ^2/NDF : 93.7/87

- sign -538.223+/-615.284 χ^2/NDF : 42.9/44

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3116.809+/-0.815 χ^2/NDF : 1148342.2/17

Left Out: 2659.907+/-0.546 χ^2/NDF : 14536813.3/24

Right Out: 1558.738+/-0.511 χ^2/NDF : 8737137.5/21

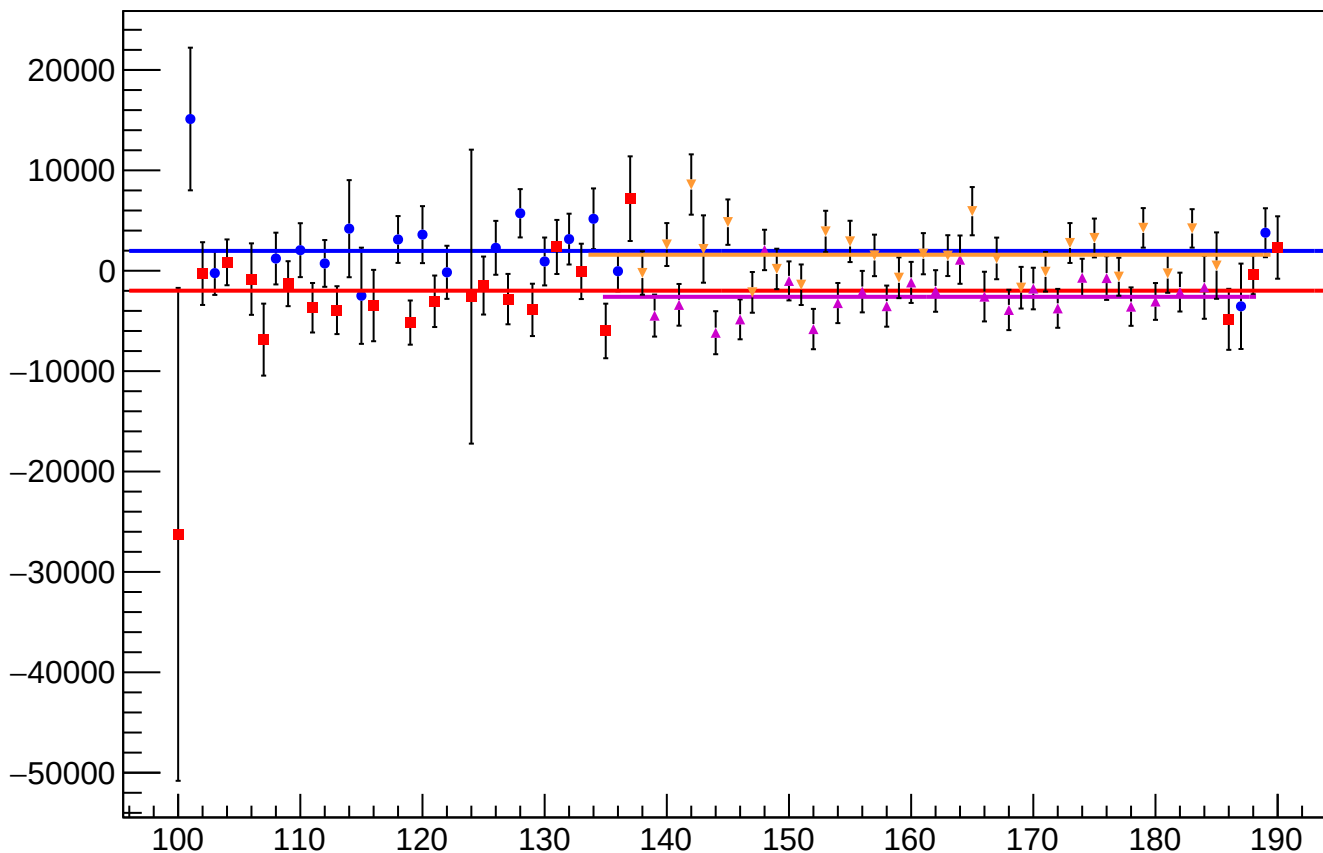
Left In: 4921.316+/-0.830 χ^2/NDF : 1251131.6/22

+ sign 2801.387+/-0.453 χ^2/NDF : 15902195.4/42

All: 2635.740+/-0.314 χ^2/NDF : 38054662.8/8

- sign 2483.245+/-0.435 χ^2/NDF : 21896164.1/44

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1975.815 ± 636.730 χ^2/NDF : 14.3/17

Left Out: 1592.431 ± 423.298 χ^2/NDF : 31.3/24

Right Out: -1986.487 ± 597.652 χ^2/NDF : 22.6/21

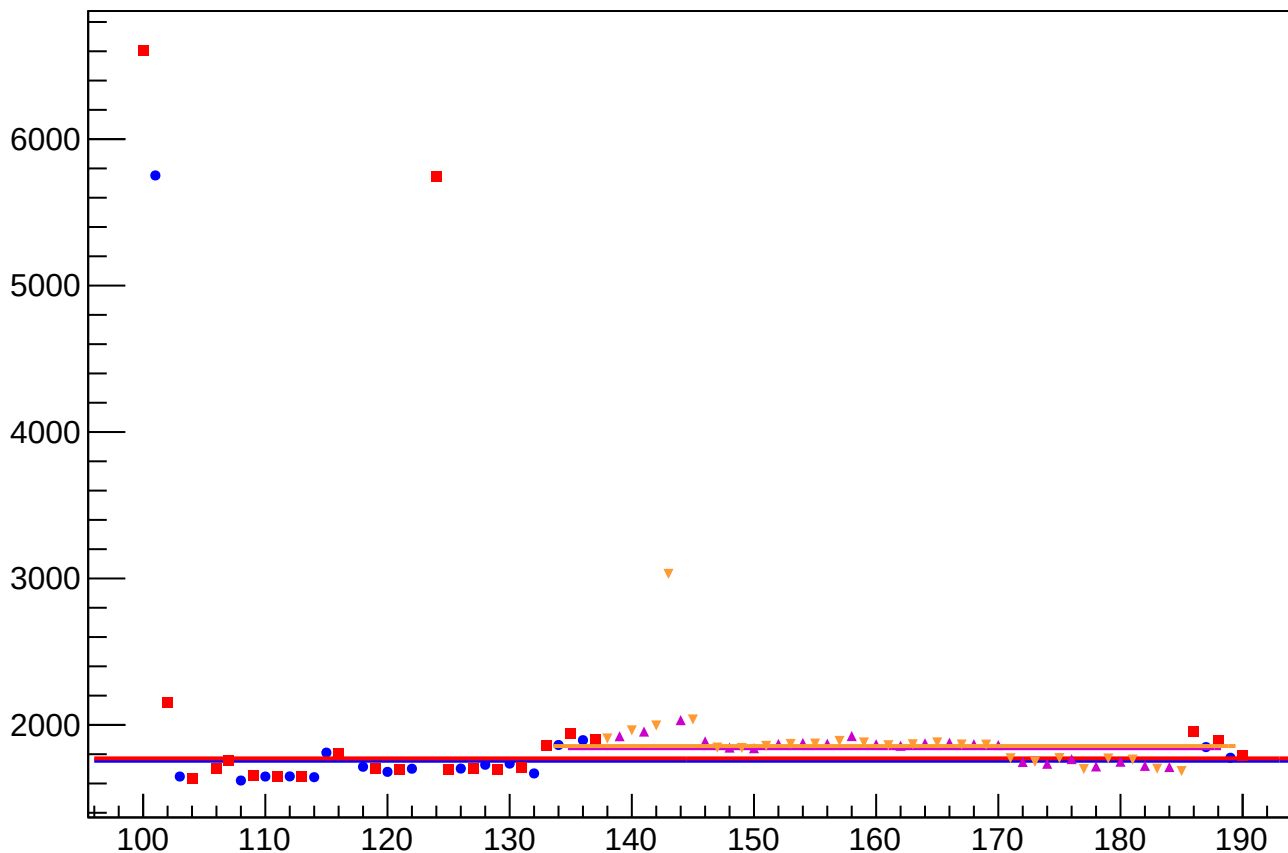
Left In: -2597.812 ± 430.293 χ^2/NDF : 20.1/22

+ sign 1709.938 ± 352.509 χ^2/NDF : 45.9/42

All: -358.899 ± 248.084 χ^2/NDF : 157.4/87

- sign -2389.109 ± 349.202 χ^2/NDF : 43.3/44

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1755.429+/-0.450 χ^2/NDF : 671815.9/17

Left Out: 1855.560+/-0.299 χ^2/NDF : 324267.7/24

Right Out: 1771.346+/-0.421 χ^2/NDF : 316212.5/21

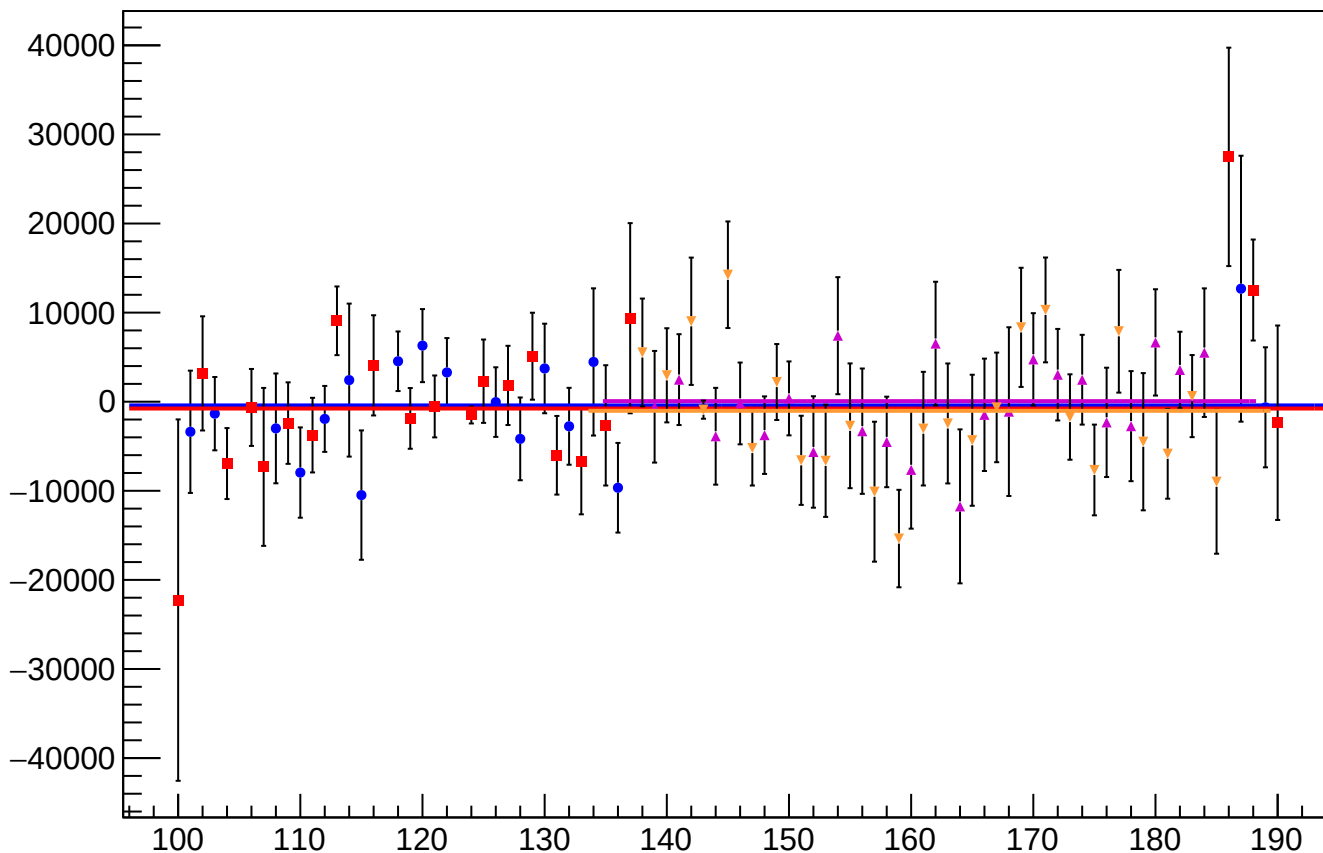
Left In: 1840.981+/-0.304 χ^2/NDF : 70985.8/22

+ sign 1824.870+/-0.249 χ^2/NDF : 1030384.2/42

All: 1820.949+/-0.175 χ^2/NDF : 1436027.8/87

- sign 1817.110+/-0.247 χ^2/NDF : 405153.9/44

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -418.335+/-1152.400 χ^2/NDF : 16.7/17

Left Out: -1018.712+/-771.798 χ^2/NDF : 33.7/24

Right Out: -765.933+/-722.585 χ^2/NDF : 29.5/21

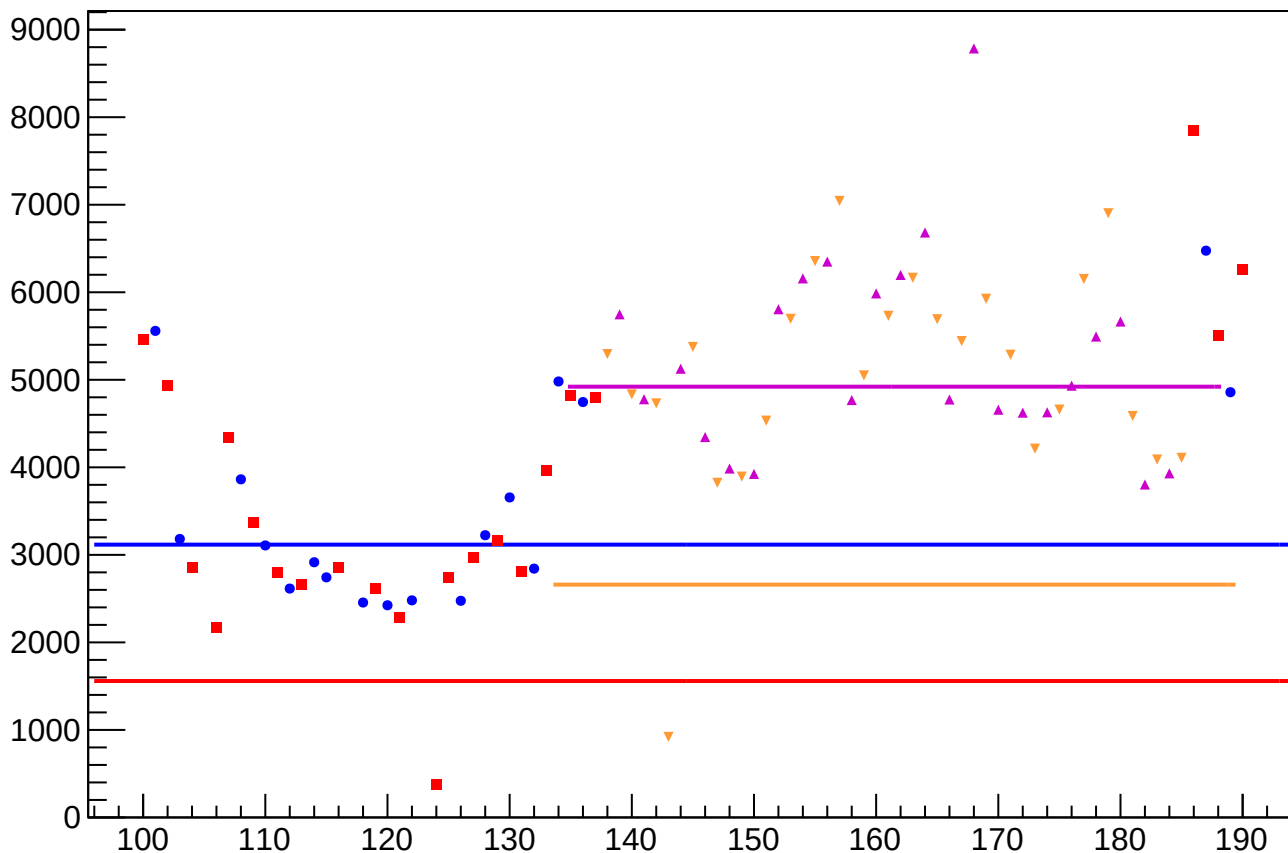
Left In: 62.286+/-1173.429 χ^2/NDF : 13.0/22

+ sign -832.805+/-641.267 χ^2/NDF : 50.7/42

All: -679.425+/-443.973 χ^2/NDF : 93.7/87

- sign -538.223+/-615.284 χ^2/NDF : 42.9/44

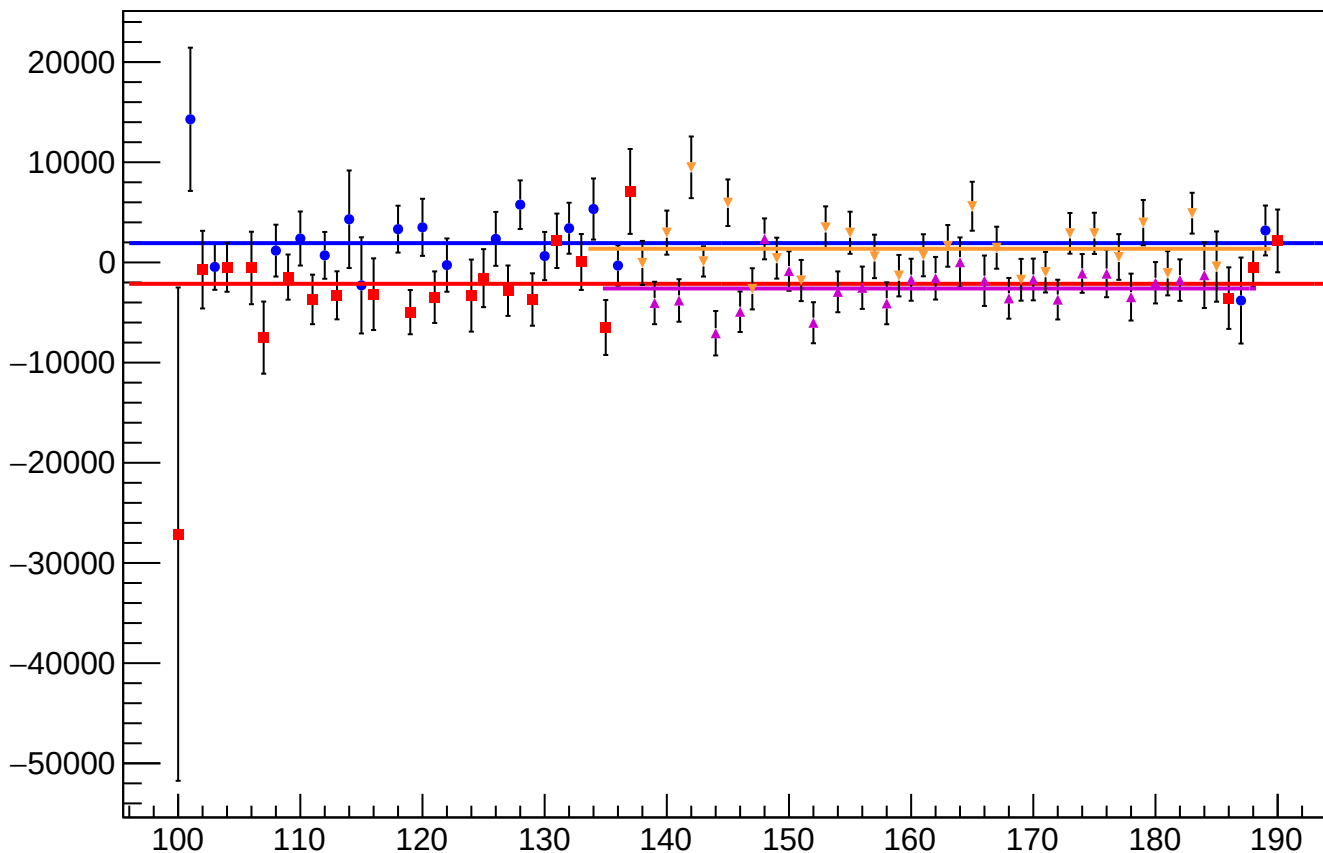
asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3116.809 $\pm$ 0.815 χ^2 /NDF: 1148342.2/17
 Left Out: 2659.907 $\pm$ 0.546 χ^2 /NDF: 14536813.3/24
 Right Out: 1558.738 $\pm$ 0.511 χ^2 /NDF: 8737137.5/21
 Left In: 4921.316 $\pm$ 0.830 χ^2 /NDF: 1251131.6/22

+ sign 2801.387 $\pm$ 0.453 χ^2 /NDF: 15902195.4/42
 All: 2635.740 $\pm$ 0.314 χ^2 /NDF: 38054662.8/8
 - sign 2483.245 $\pm$ 0.435 χ^2 /NDF: 21896164.1/44

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1927.055 ± 643.316 χ^2/NDF : 14.5/17

Left Out: 1363.887 ± 427.332 χ^2/NDF : 36.1/24

Right Out: -2134.604 ± 599.347 χ^2/NDF : 20.5/21

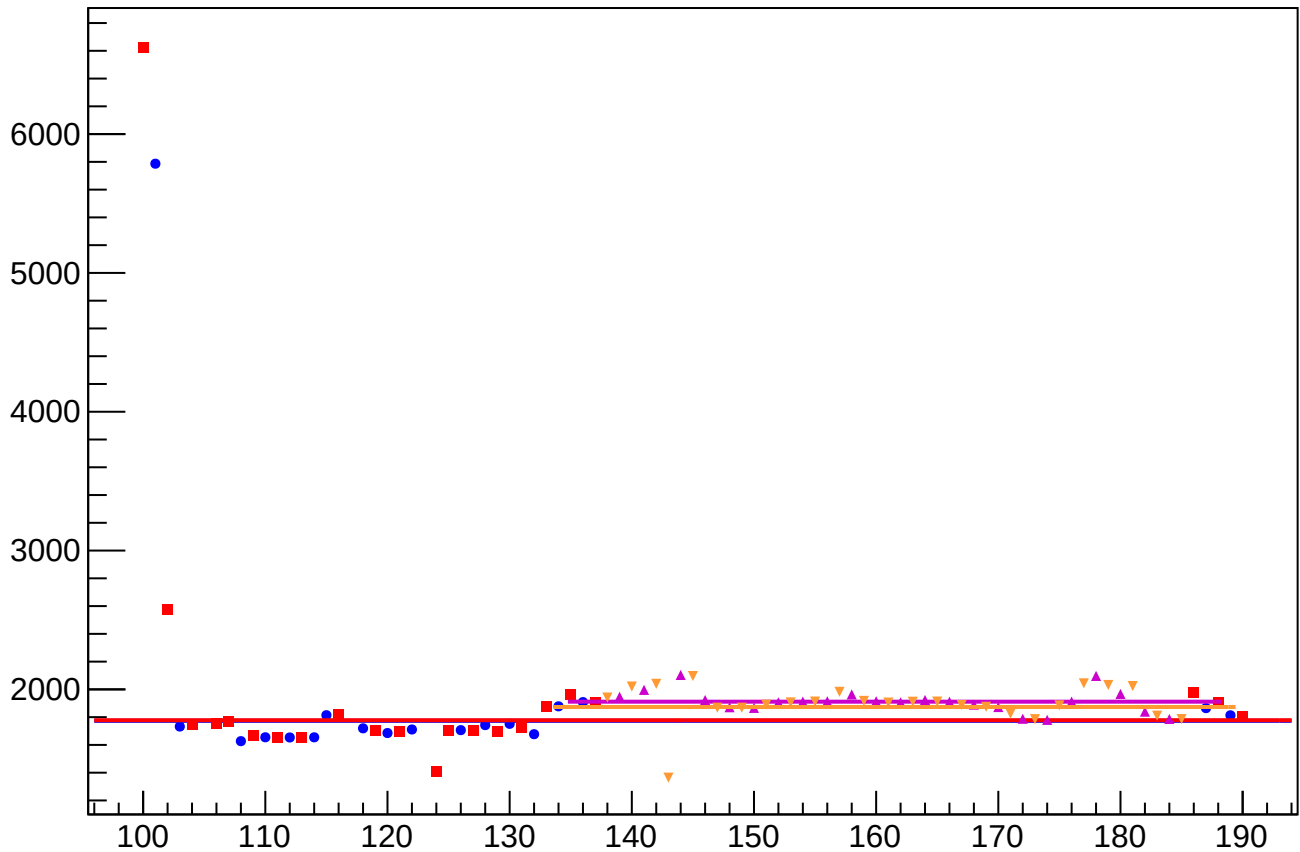
Left In: -2602.835 ± 446.741 χ^2/NDF : 20.0/22

+ sign 1536.304 ± 355.956 χ^2/NDF : 51.1/42

All: -437.249 ± 252.484 χ^2/NDF : 153.9/87

- sign -2435.603 ± 358.186 χ^2/NDF : 40.9/44

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1773.639 $\pm$ 0.455 χ^2 /NDF: 668898.9/17

Left Out: 1873.177 $\pm$ 0.302 χ^2 /NDF: 309733.7/24

Right Out: 1777.879 $\pm$ 0.423 χ^2 /NDF: 238586.5/21

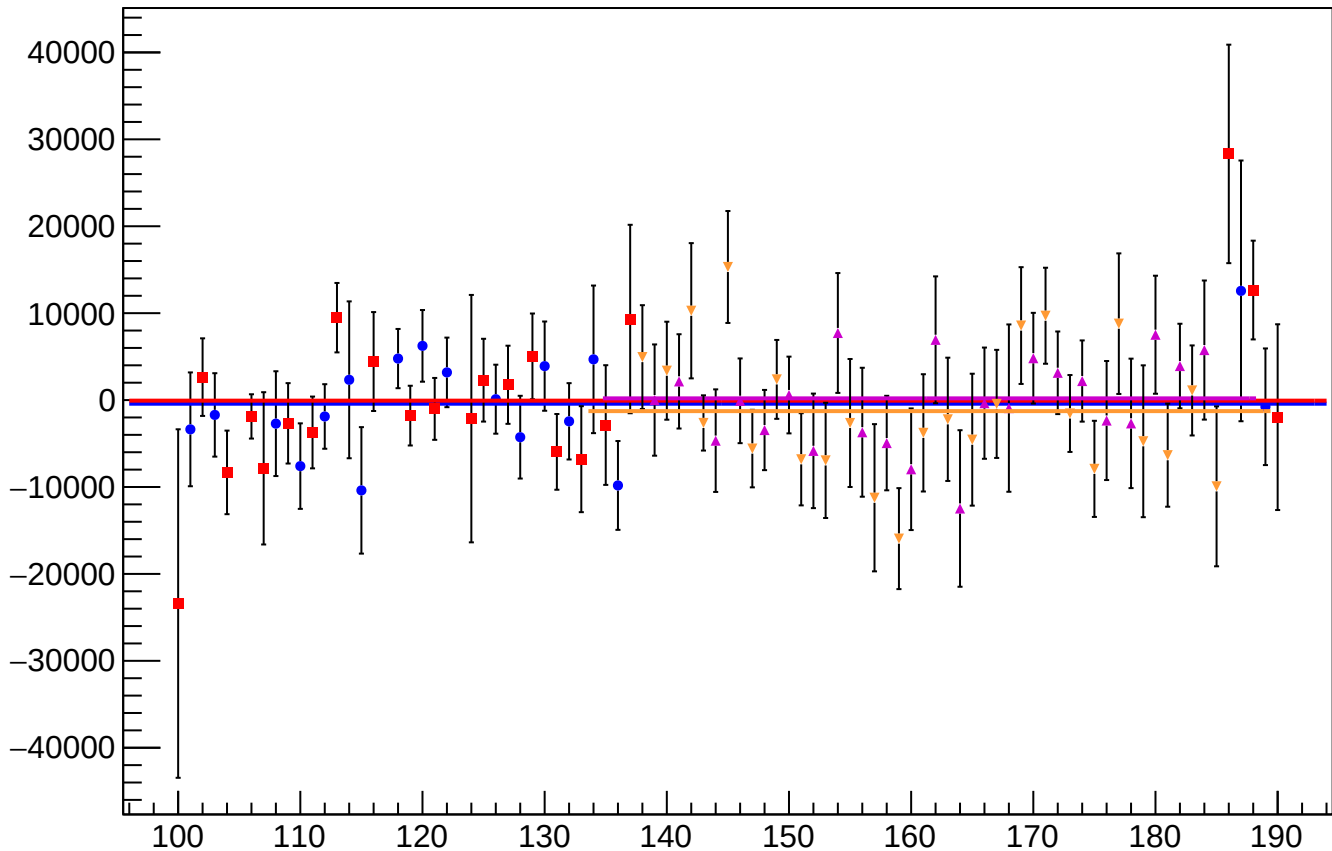
Left In: 1911.423 $\pm$ 0.316 χ^2 /NDF: 59139.8/22

+ sign 1842.703 $\pm$ 0.252 χ^2 /NDF: 1011854.8/42

All: 1853.090 $\pm$ 0.178 χ^2 /NDF: 1377018.4/87

- sign 1863.591 $\pm$ 0.253 χ^2 /NDF: 361738.7/44

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -416.449 ± 1176.197 χ^2/NDF : 16.5/17

Left Out: -1269.760 ± 1156.132 χ^2/NDF : 33.4/24

Right Out: -65.760 ± 1042.354 χ^2/NDF : 29.3/21

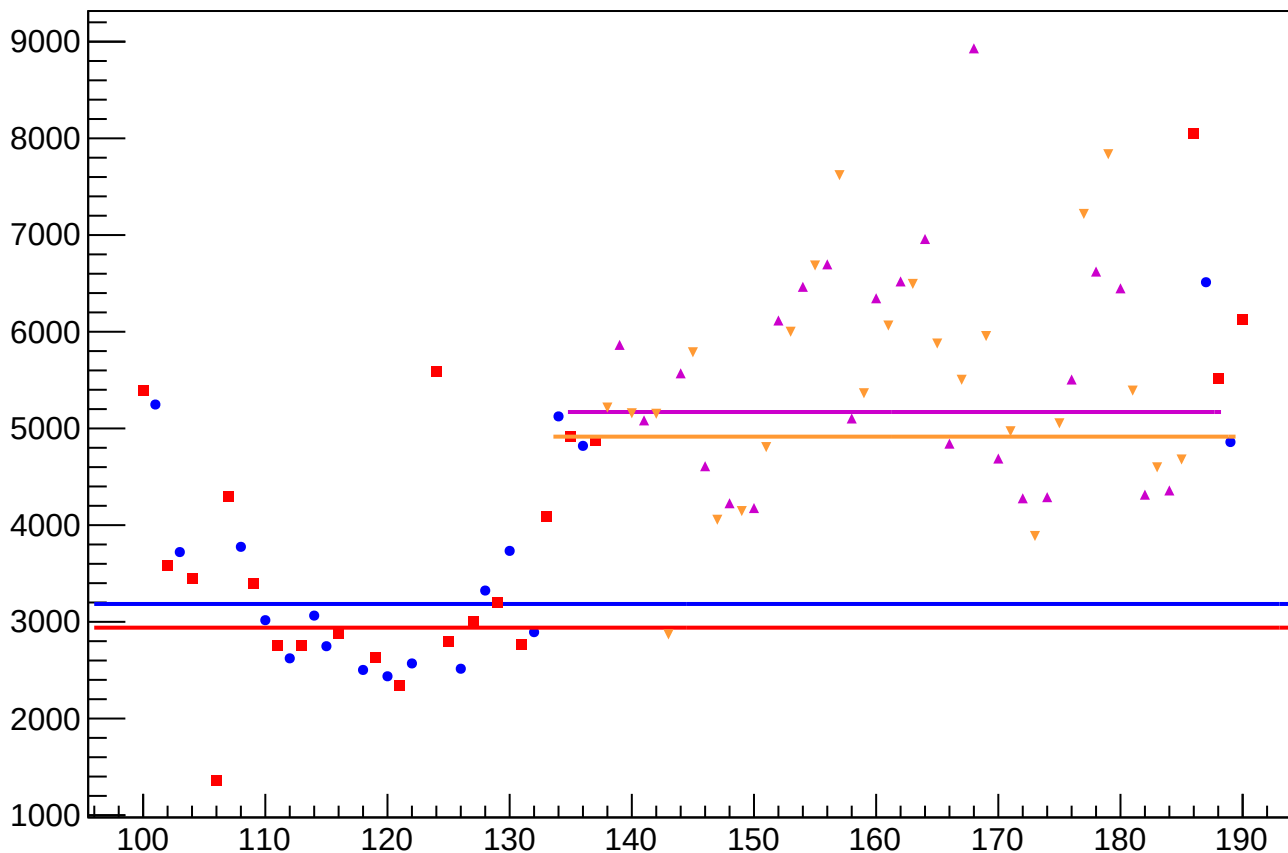
Left In: 196.917 ± 1234.538 χ^2/NDF : 12.7/22

+ sign -850.445 ± 824.511 χ^2/NDF : 50.2/42

All: -387.961 ± 572.833 χ^2/NDF : 92.9/87

- sign 43.563 ± 796.436 χ^2/NDF : 42.1/44

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3184.814+/-0.832 χ^2/NDF : 1114056.6/17

Left Out: 4915.244+/-0.818 χ^2/NDF : 2166229.1/24

Right Out: 2939.826+/-0.737 χ^2/NDF : 2312628.3/21

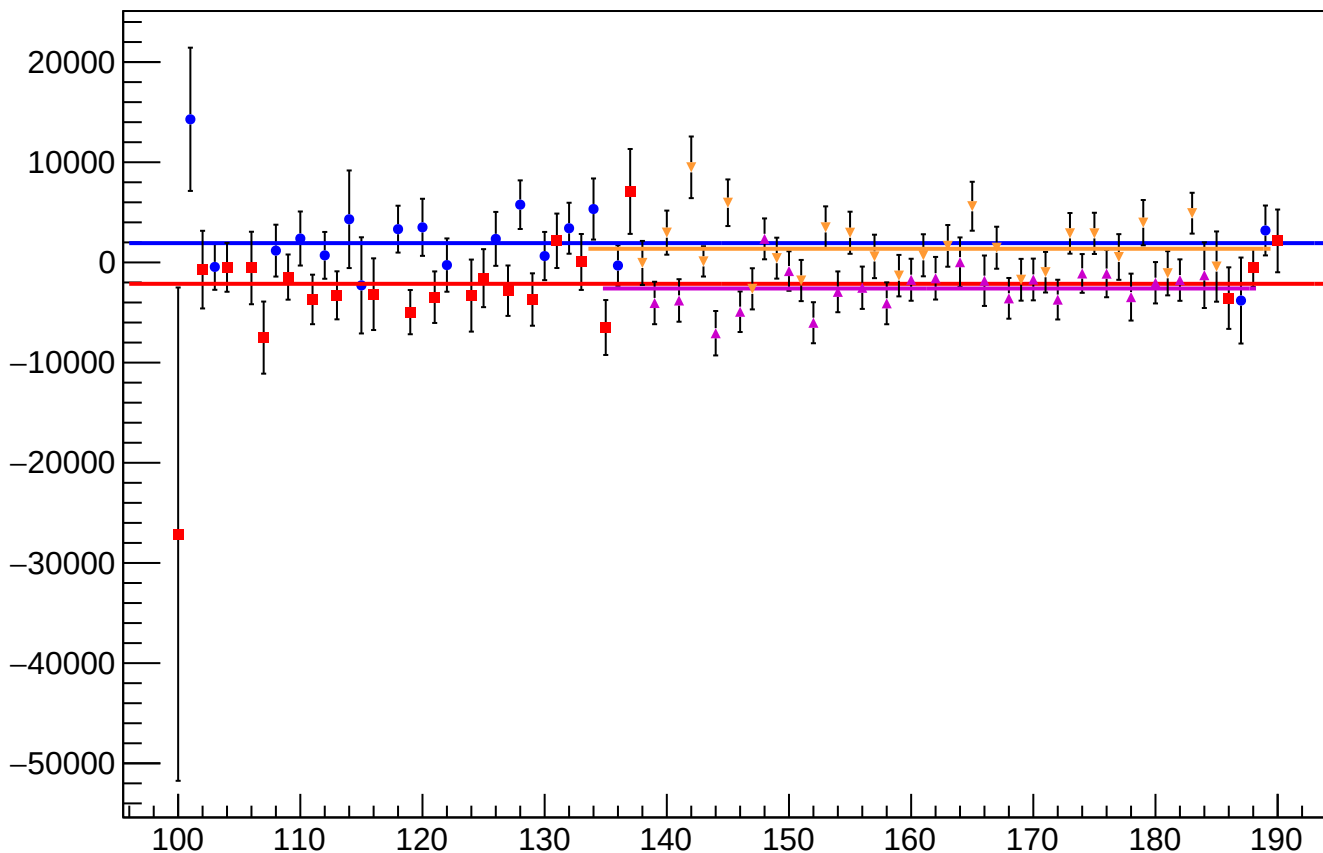
Left In: 5170.028+/-0.873 χ^2/NDF : 1348711.3/22

+ sign 4064.915+/-0.583 χ^2/NDF : 5481977.7/42

All: 3963.056+/-0.405 χ^2/NDF : 13012805.2/8

- sign 3868.015+/-0.563 χ^2/NDF : 7471823.6/44

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1927.057 $\pm$ 643.316 χ^2 /NDF: 14.5/17

Left Out: 1363.884 $\pm$ 427.333 χ^2 /NDF: 36.1/24

Right Out: -2134.605 $\pm$ 599.347 χ^2 /NDF: 20.5/21

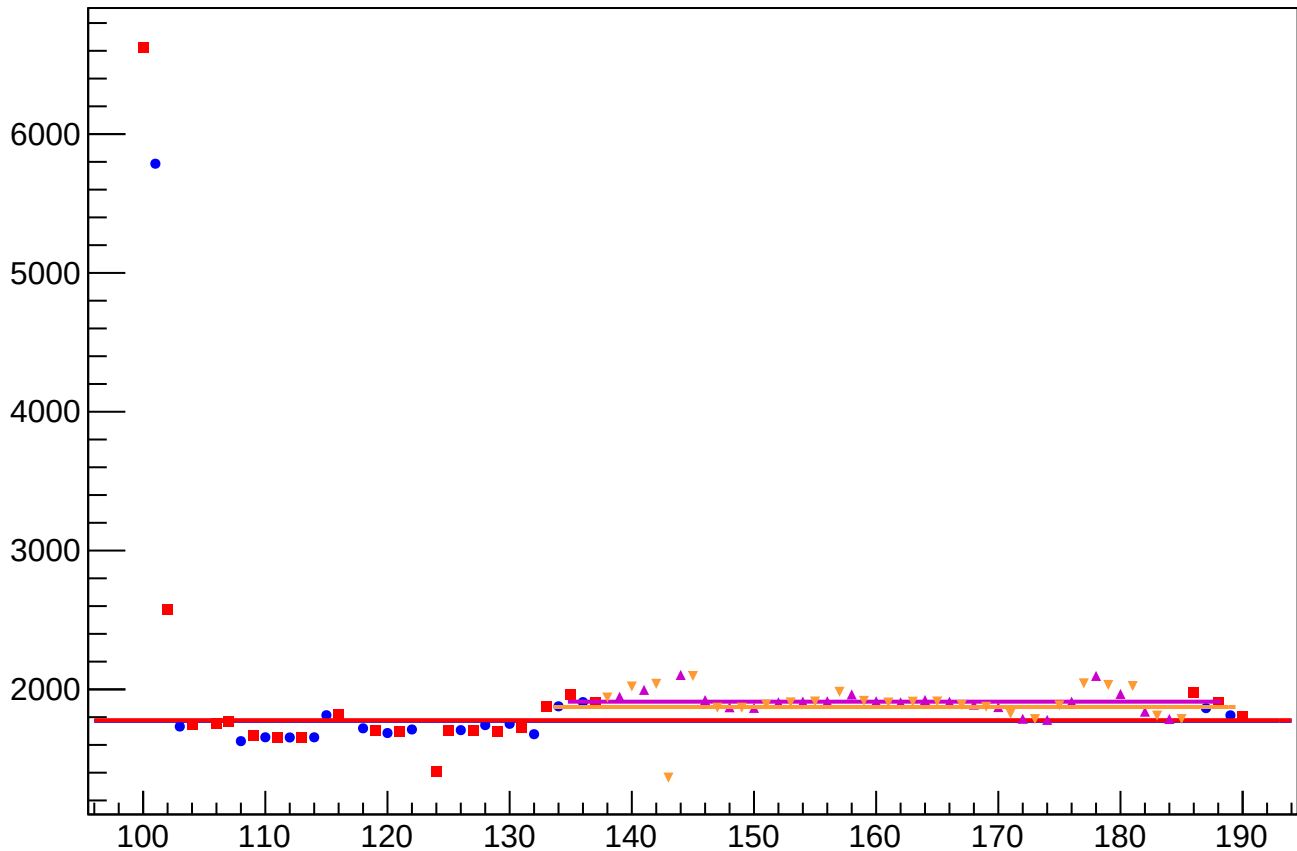
Left In: -2602.834 $\pm$ 446.742 χ^2 /NDF: 20.0/22

+ sign 1536.303 $\pm$ 355.956 χ^2 /NDF: 51.1/42

All: -437.250 $\pm$ 252.484 χ^2 /NDF: 153.9/87

- sign -2435.602 $\pm$ 358.186 χ^2 /NDF: 40.9/44

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1773.639 $\pm$ 0.455 χ^2 /NDF: 668898.9/17

Left Out: 1873.178 $\pm$ 0.302 χ^2 /NDF: 309737.2/24

Right Out: 1777.879 $\pm$ 0.423 χ^2 /NDF: 238586.4/21

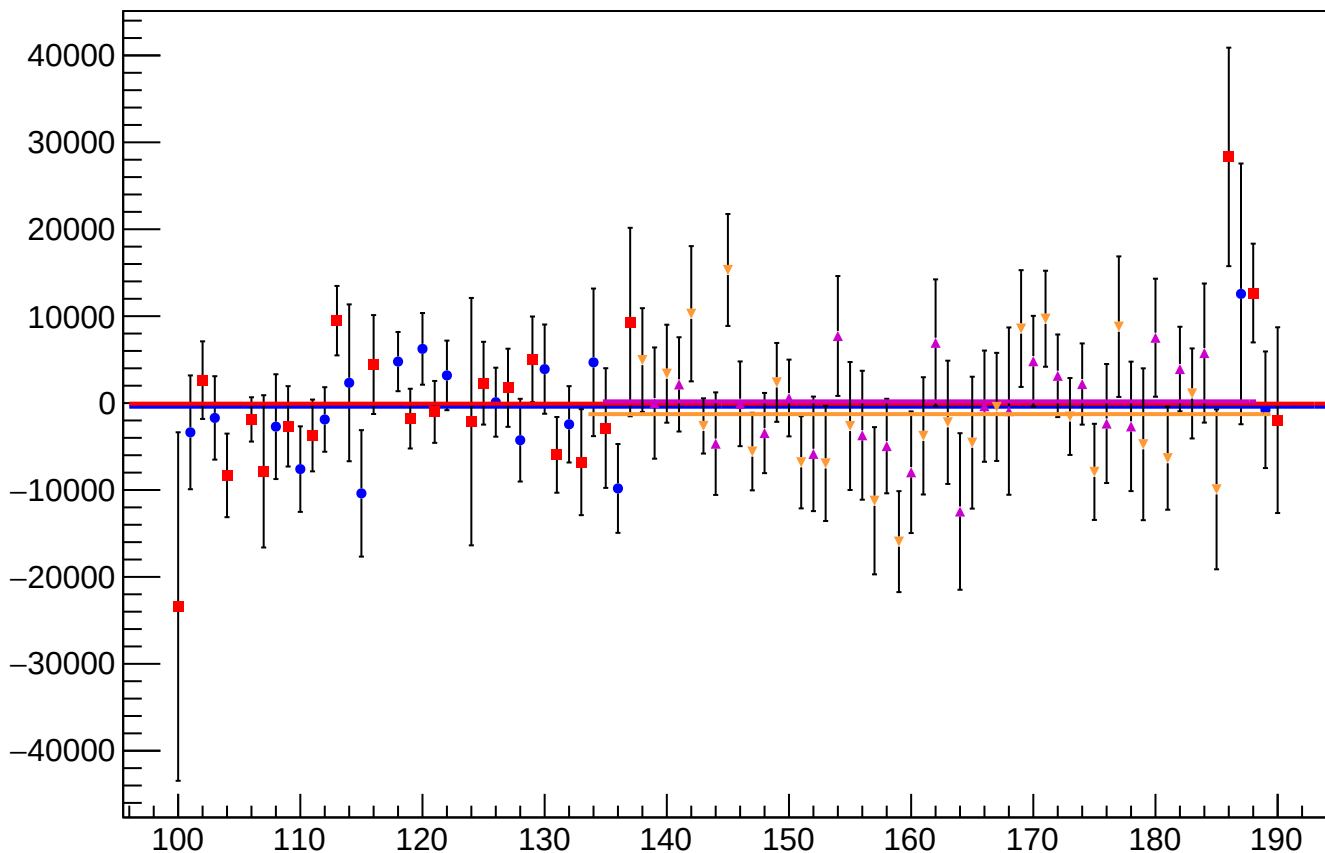
Left In: 1911.425 $\pm$ 0.316 χ^2 /NDF: 59142.0/22

+ sign 1842.704 $\pm$ 0.252 χ^2 /NDF: 1011859.0/42

All: 1853.091 $\pm$ 0.178 χ^2 /NDF: 1377025.9/87

- sign 1863.592 $\pm$ 0.253 χ^2 /NDF: 361742.0/44

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -416.444 ± 1176.193 χ^2/NDF : 16.5/17

Left Out: -1269.765 ± 1156.133 χ^2/NDF : 33.4/24

Right Out: -65.767 ± 1042.350 χ^2/NDF : 29.3/21

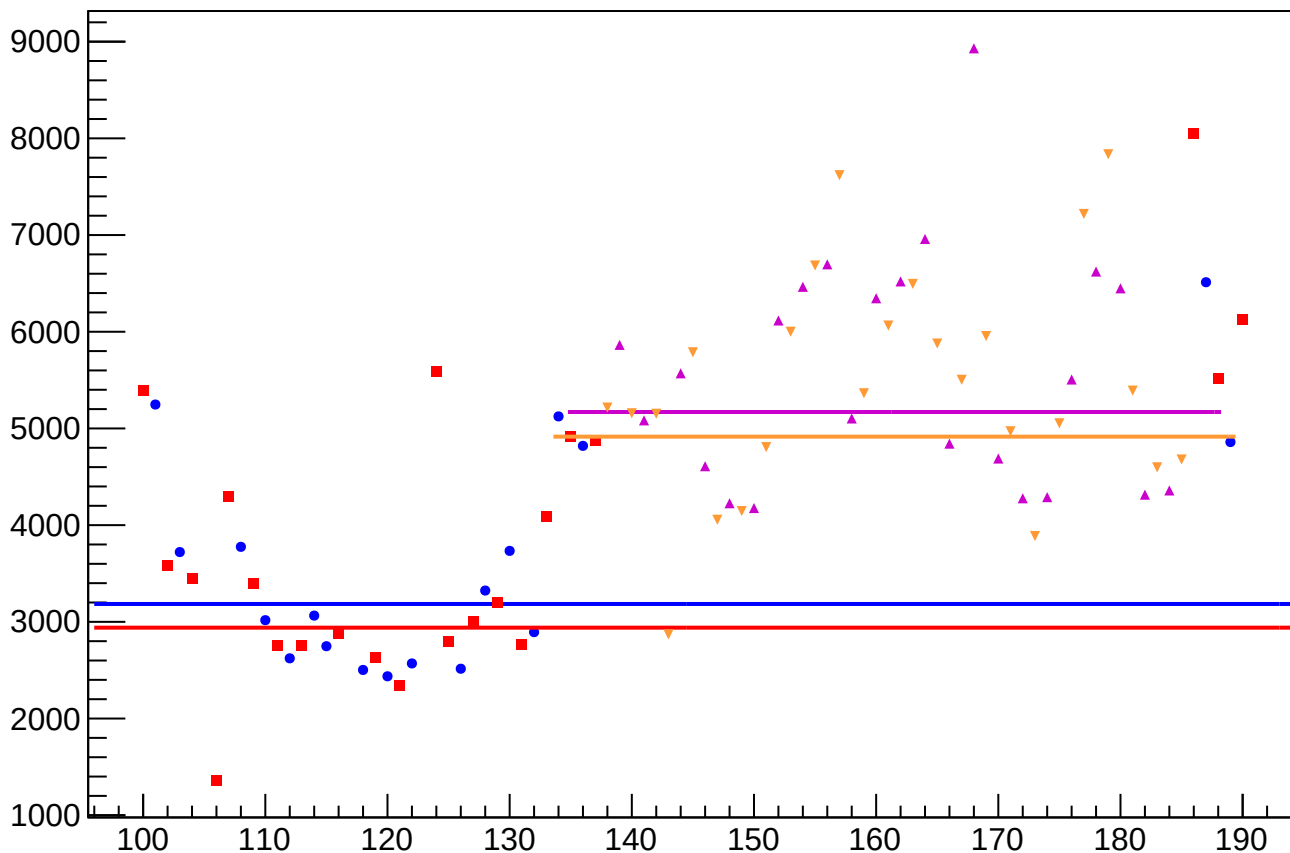
Left In: 196.918 ± 1234.540 χ^2/NDF : 12.7/22

+ sign -850.443 ± 824.510 χ^2/NDF : 50.2/42

All: -387.962 ± 572.833 χ^2/NDF : 92.9/87

- sign 43.559 ± 796.434 χ^2/NDF : 42.1/44

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3184.803+/-0.832 χ^2/NDF : 1114069.0/17

Left Out: 4915.251+/-0.818 χ^2/NDF : 2166236.2/24

Right Out: 2939.813+/-0.737 χ^2/NDF : 2312654.9/21

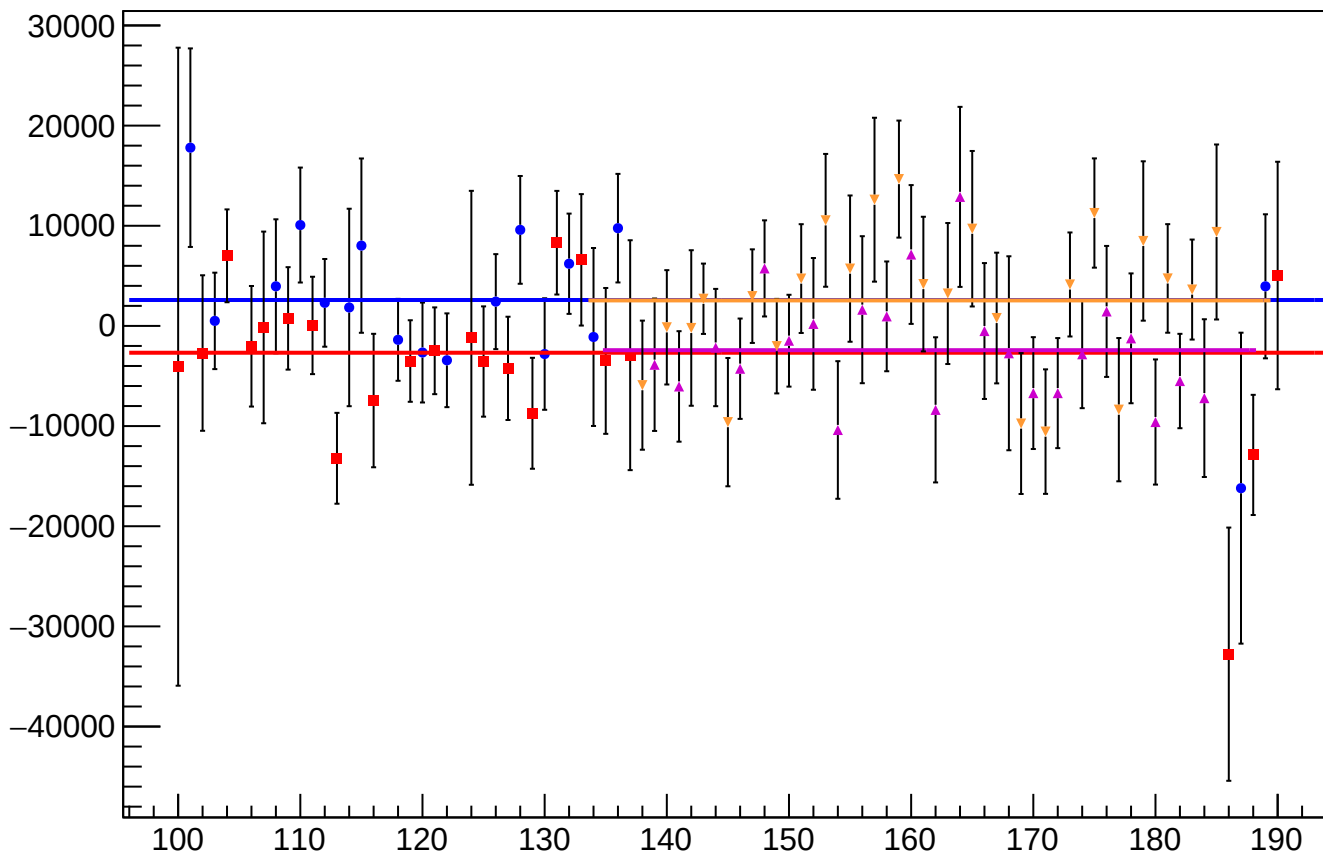
Left In: 5170.035+/-0.873 χ^2/NDF : 1348713.2/22

+ sign 4064.909+/-0.583 χ^2/NDF : 5482046.2/42

All: 3963.047+/-0.405 χ^2/NDF : 13012981.9/8

- sign 3868.005+/-0.563 χ^2/NDF : 7471929.2/44

asym_atr1l2_avg_mean vs Slug



Right In: 2587.323 $\pm$ 1350.049 χ^2 /NDF: 15.0/17

Left Out: 2547.072 $\pm$ 1187.668 χ^2 /NDF:29.1/24

Right Out: -2677.775 $\pm$ 1286.089 χ^2 /NDF: 28.0/21

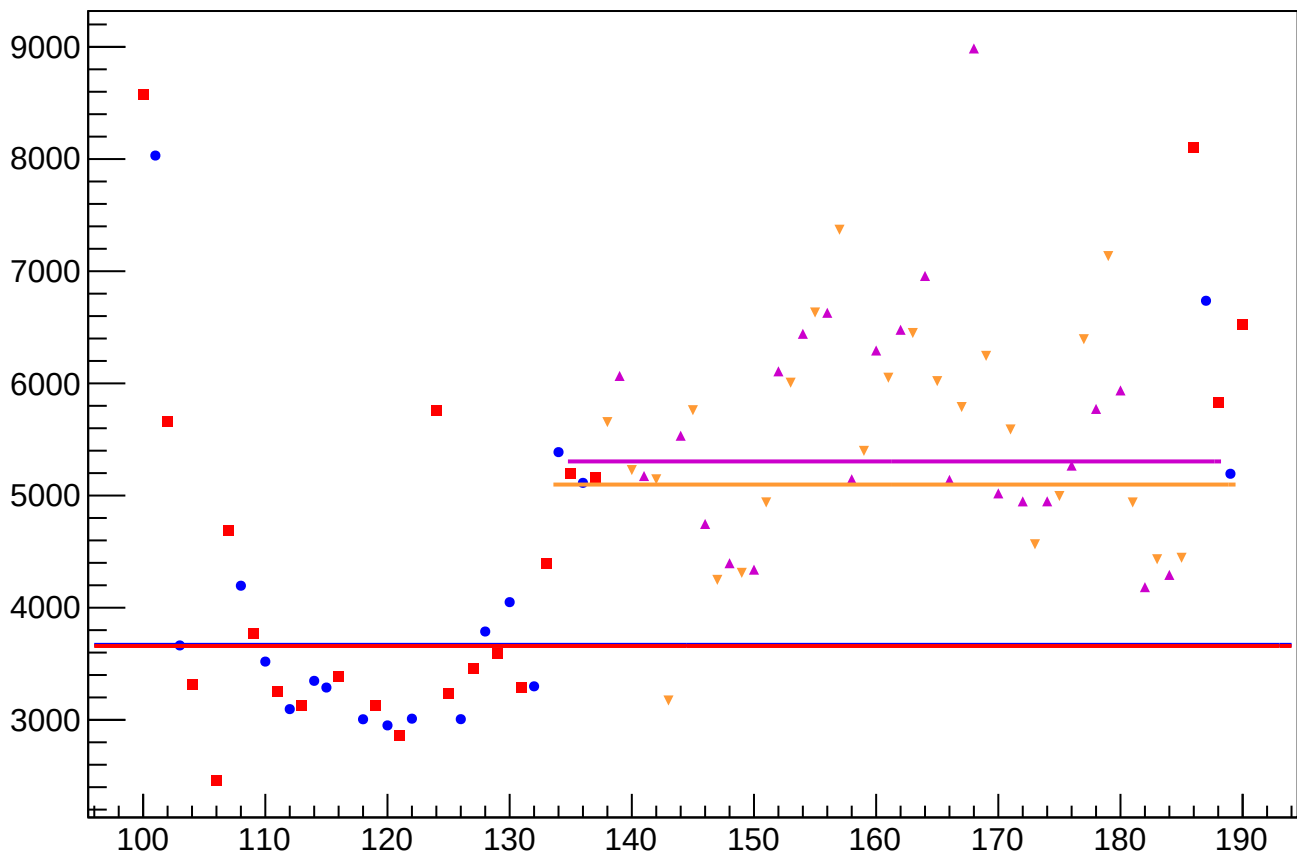
Left In: -2423.016 $\pm$ 1259.653 χ^2 /NDF:15.0/22

+ sign 2564.632 $\pm$ 891.722 χ^2 /NDF: 44.0/42

All: 31.806 $\pm$ 633.418 χ^2 /NDF: 103.4/87

- sign -2547.751 $\pm$ 899.910 χ^2 /NDF: 43.0/44

asym_atr1l2_avg_rms vs Slug



Right In: 3668.834+/-0.955 χ^2/NDF : 1020099.8/17

Left Out: 5097.995+/-0.840 χ^2/NDF : 1544385.5/24

Right Out: 3658.801+/-0.897 χ^2/NDF : 1344901.2/21

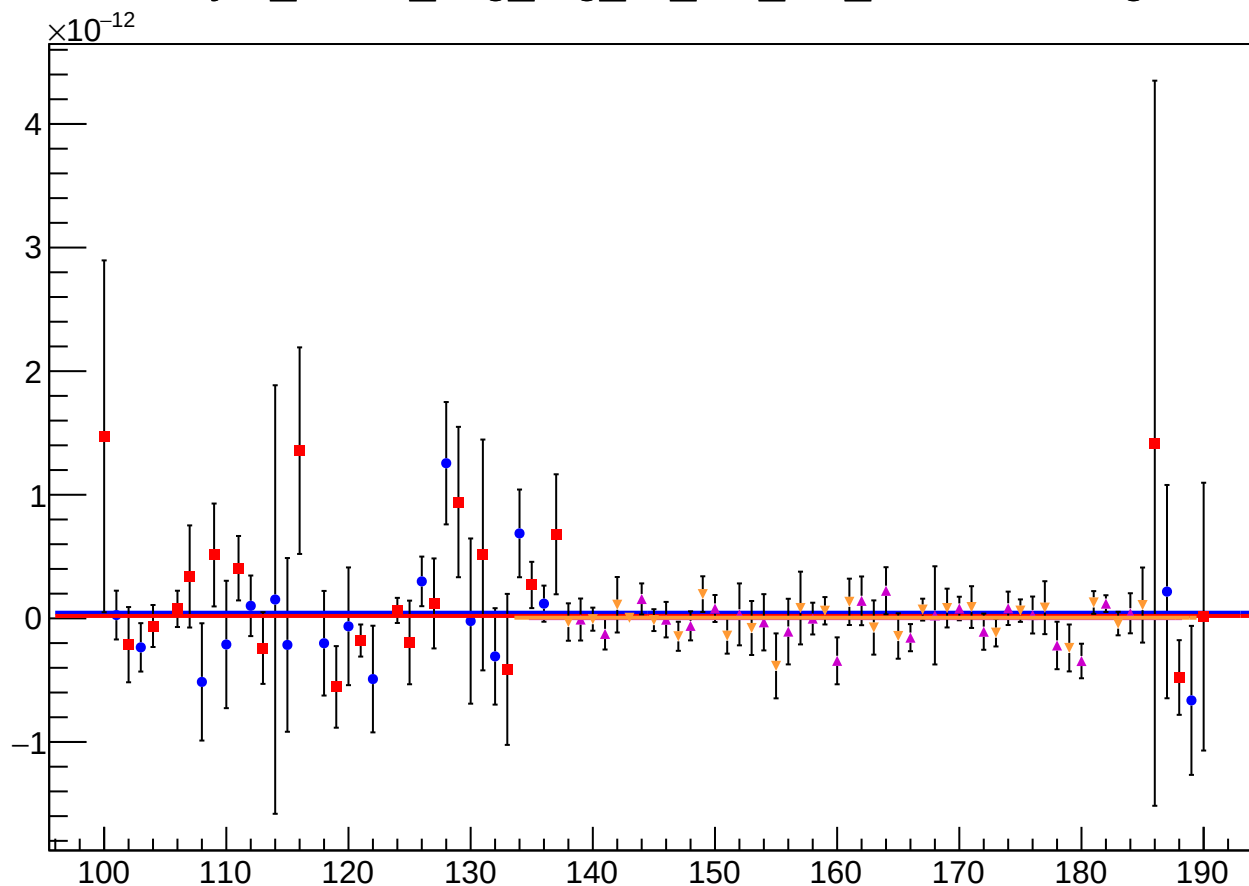
Left In: 5304.171+/-0.891 χ^2/NDF : 1017974.6/22

+ sign 4474.488+/-0.631 χ^2/NDF : 3827948.9/42

All: 4480.652+/-0.446 χ^2/NDF : 7886090.7/87

- sign 4486.841+/-0.632 χ^2/NDF : 4057950.3/44

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.2/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.3/21

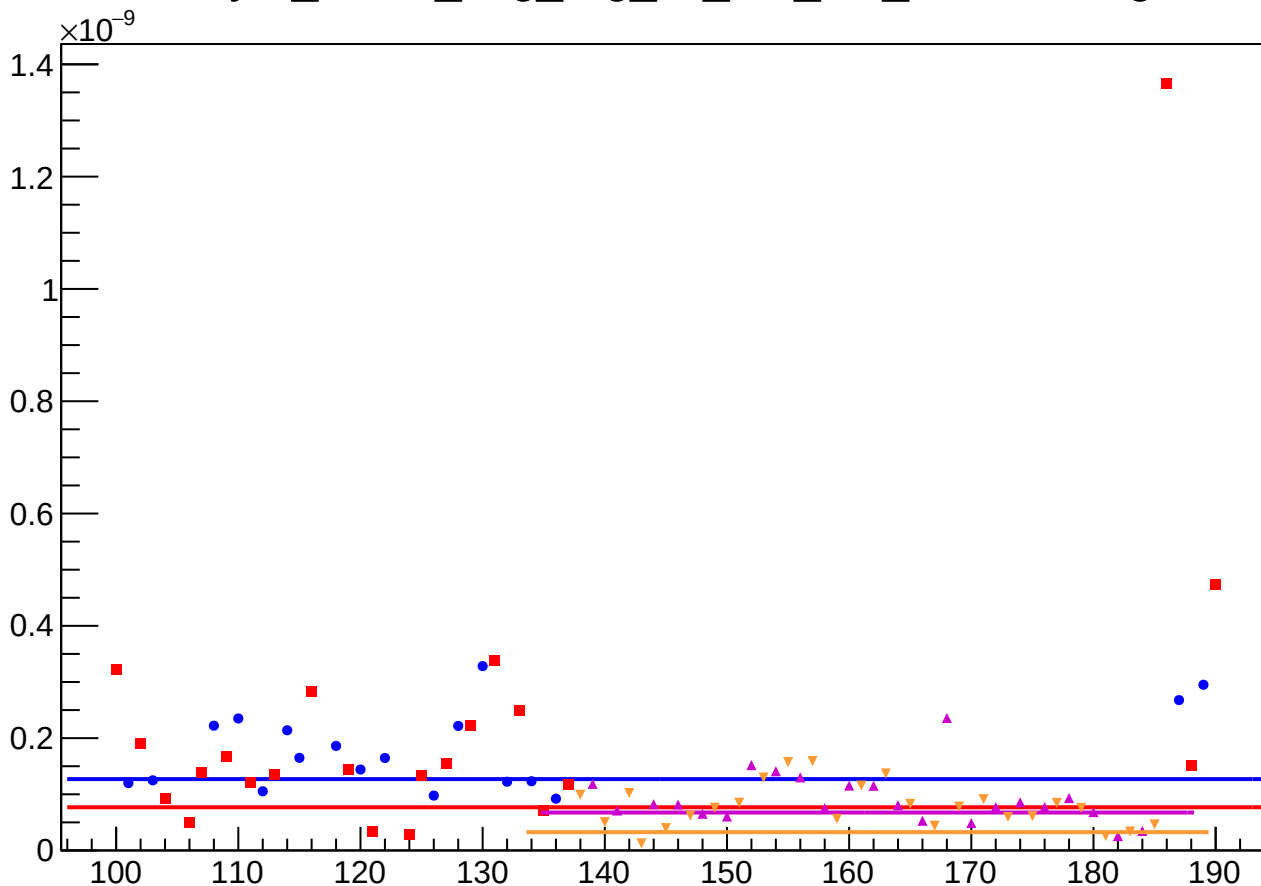
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:22.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.7/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 83.0/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.3/44

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 875165.6/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 6126369.9/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 2975429.0/21

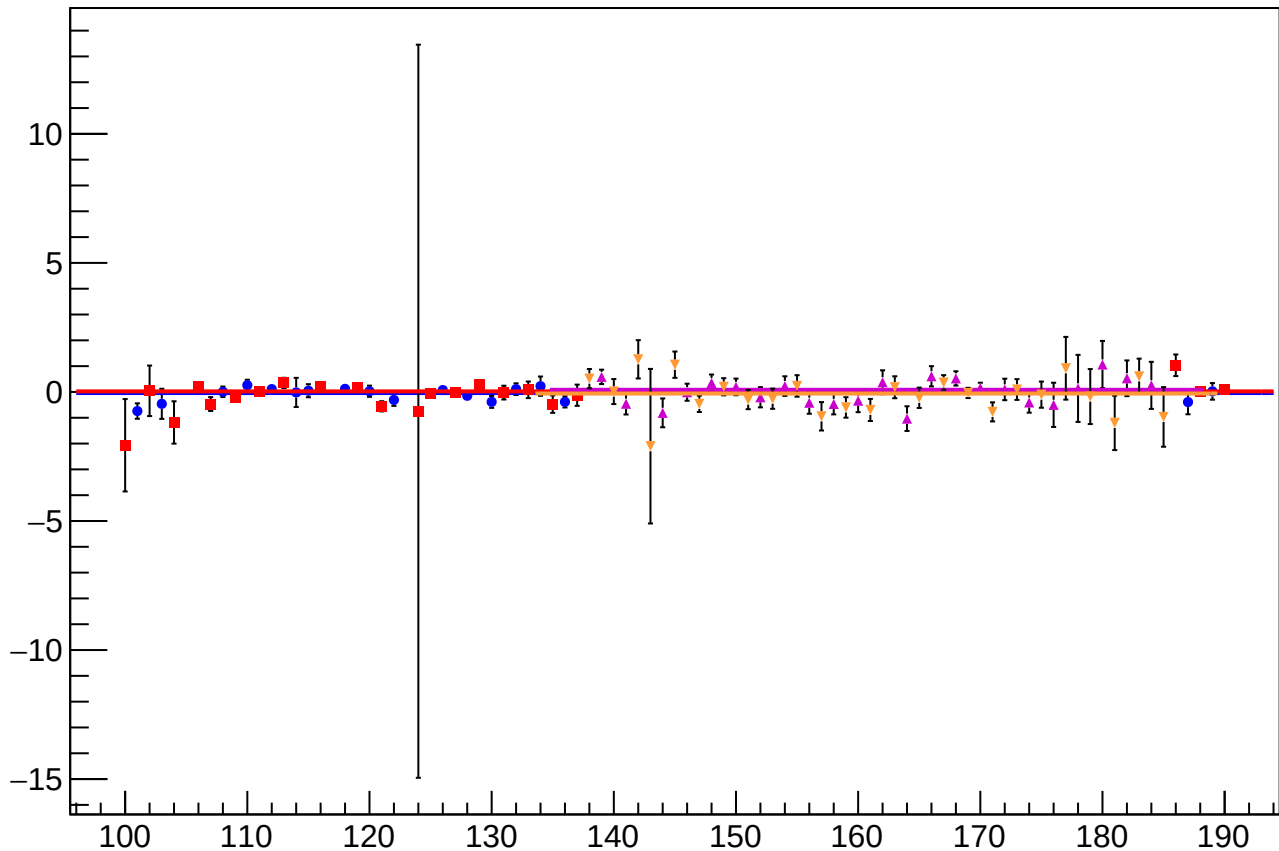
Left In: 0.000 ± 0.000 χ^2/NDF : 2448729.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 10225343.2/42

All: 0.000 ± 0.000 χ^2/NDF : 17956202.1/87

- sign 0.000 ± 0.000 χ^2/NDF : 5473323.5/44

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.043 ± 0.055 χ^2/NDF : 18.5/17

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: 0.022 ± 0.045 χ^2/NDF : 34.9/21

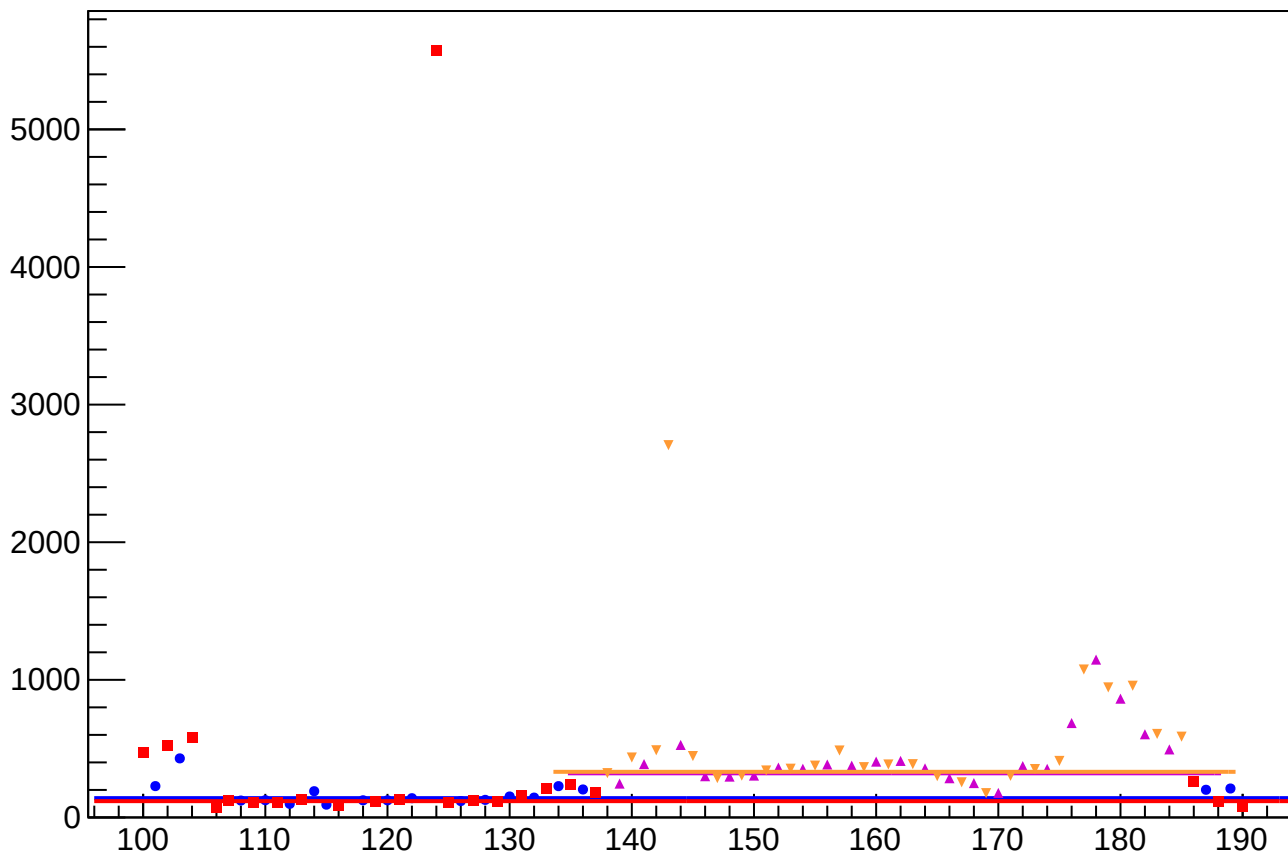
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.048 ± 0.046 χ^2/NDF : 49.3/42

All: 0.001 ± 0.030 χ^2/NDF : 113.6/87

- sign 0.037 ± 0.040 χ^2/NDF : 62.3/44

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 140.357 ± 0.039 $\chi^2/\text{NDF}: 1401794.9/17$

Left Out: 331.651 ± 0.059 $\chi^2/\text{NDF}: 5838206.4/24$

Right Out: 118.525 ± 0.032 $\chi^2/\text{NDF}: 2493676.2/21$

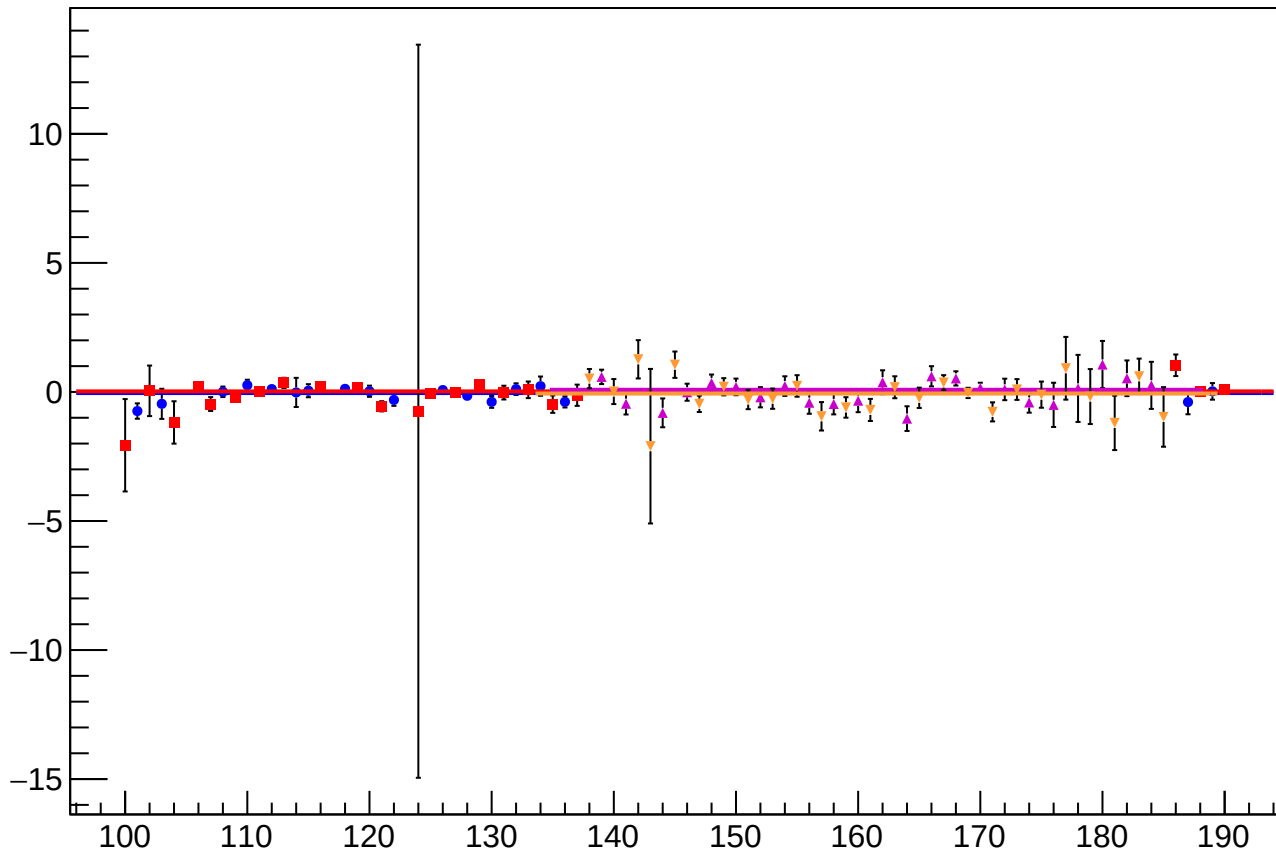
Left In: 320.746 ± 0.057 $\chi^2/\text{NDF}: 4248172.2/22$

+ sign 197.510 ± 0.032 $\chi^2/\text{NDF}: 14566805.4/42$

All: 179.809 ± 0.021 $\chi^2/\text{NDF}: 31301391.7/87$

- sign 166.575 ± 0.028 $\chi^2/\text{NDF}: 16211251.5/44$

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043 ± 0.055 χ^2/NDF : 18.5/17

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: 0.022 ± 0.045 χ^2/NDF : 34.9/21

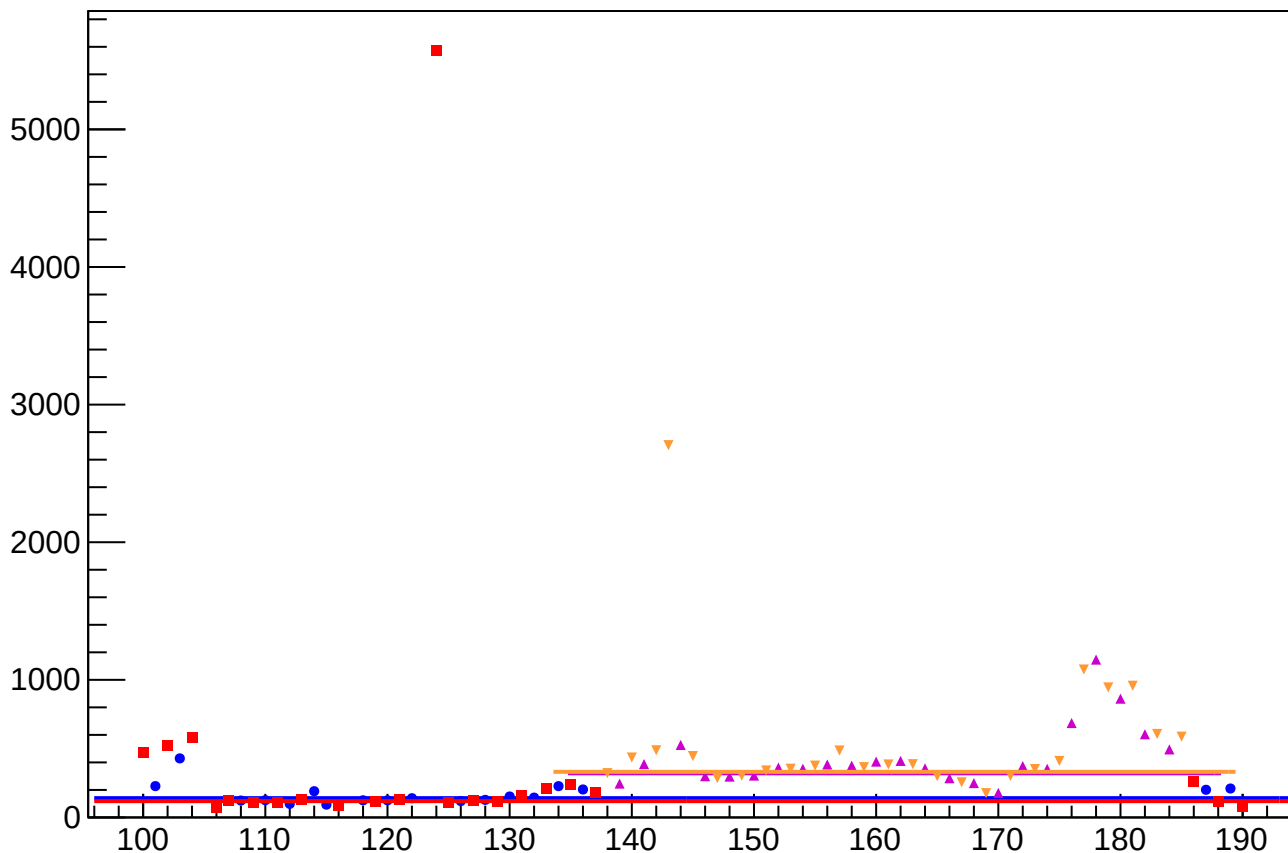
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.048 ± 0.046 χ^2/NDF : 49.3/42

All: 0.001 ± 0.030 χ^2/NDF : 113.6/87

- sign 0.037 ± 0.040 χ^2/NDF : 62.3/44

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 140.357 $\pm$ 0.039 χ^2 /NDF: 1401794.9/17

Left Out: 331.651 $\pm$ 0.059 χ^2 /NDF: 5838206.4/24

Right Out: 118.525 $\pm$ 0.032 χ^2 /NDF: 2493676.2/21

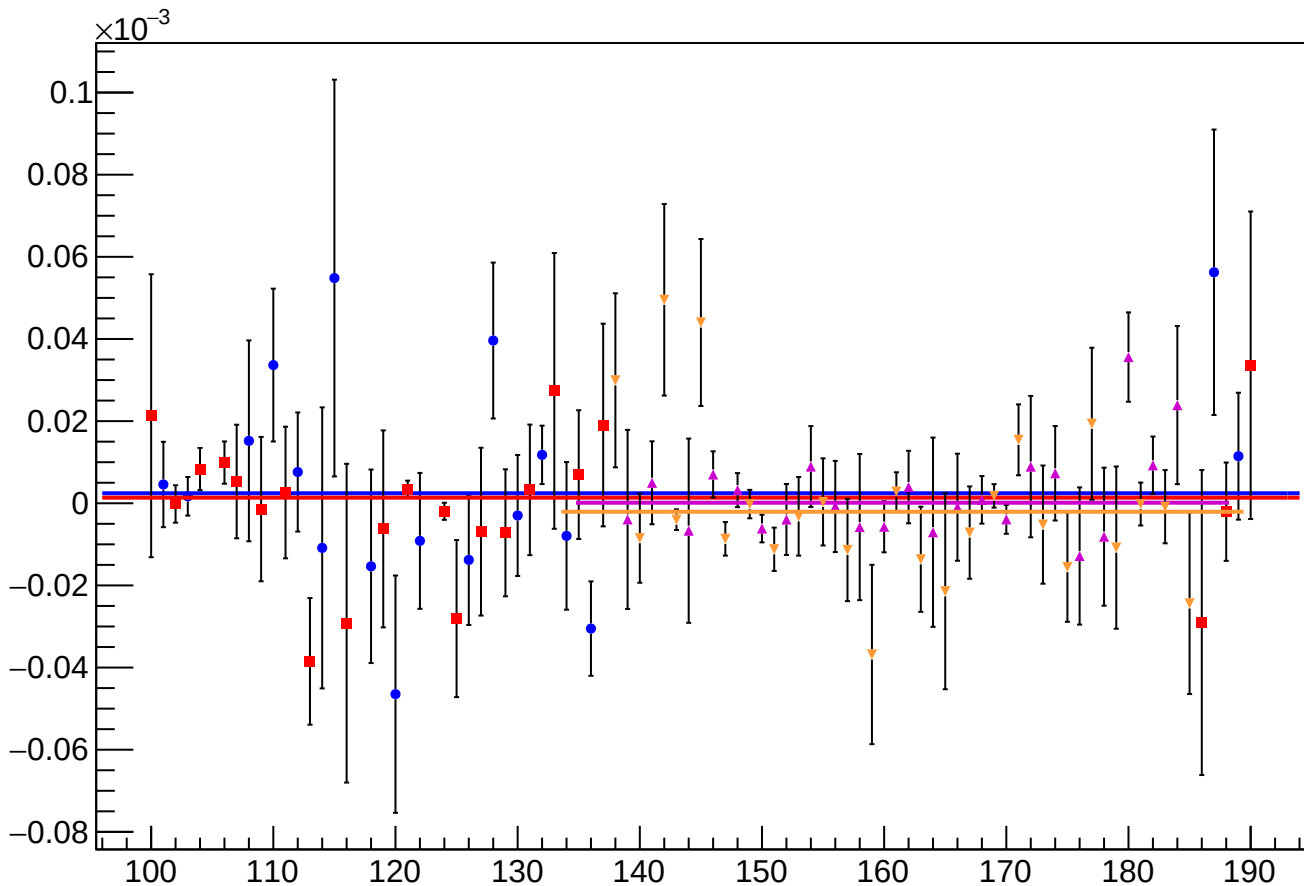
Left In: 320.746 $\pm$ 0.057 χ^2 /NDF: 4248172.2/22

+ sign 197.510 $\pm$ 0.032 χ^2 /NDF: 14566805.4/42

All: 179.809 $\pm$ 0.021 χ^2 /NDF: 31301391.7/87

- sign 166.575 $\pm$ 0.028 χ^2 /NDF: 16211251.5/44

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.6/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 34.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.8/21

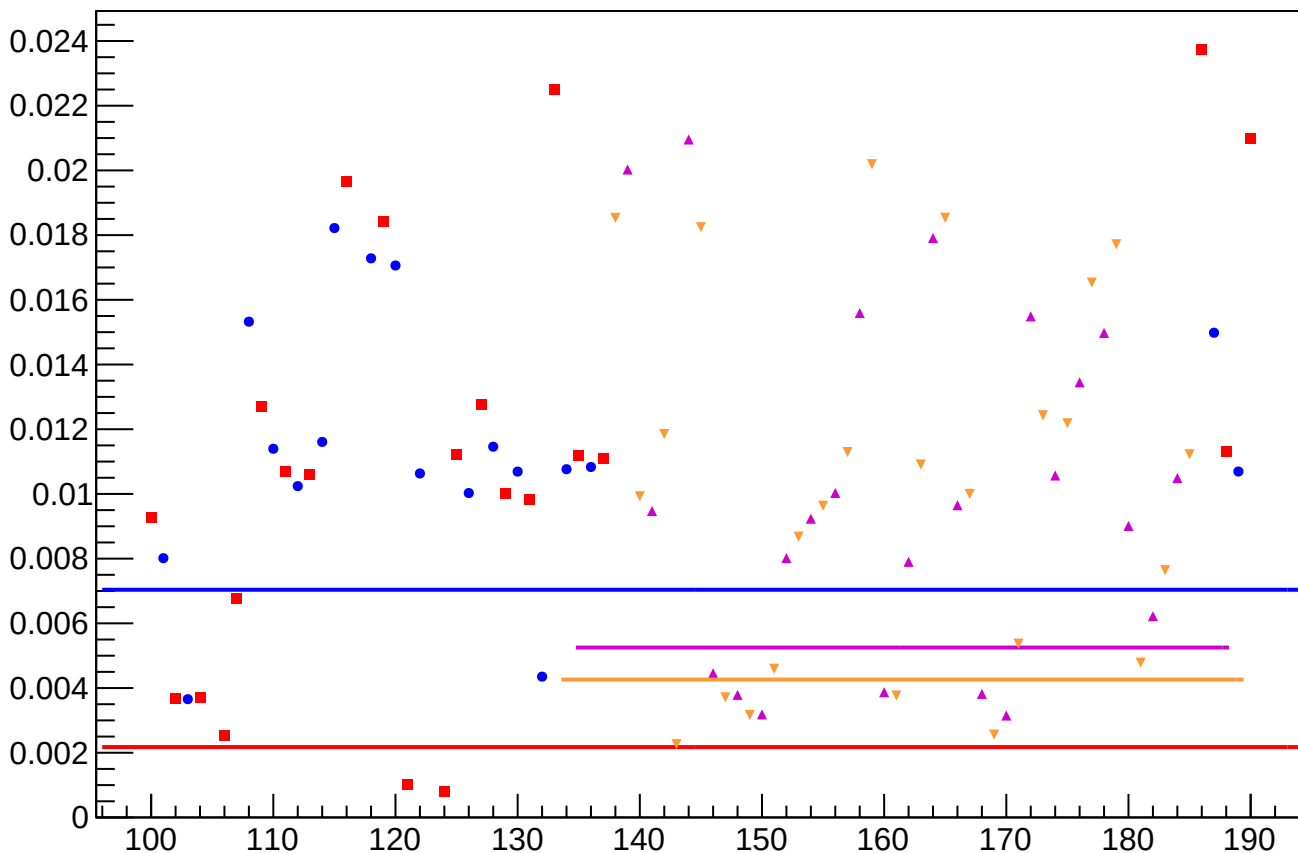
Left In: 0.000 ± 0.000 χ^2/NDF : 24.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 63.4/42

All: -0.000 ± 0.000 χ^2/NDF : 112.7/87

- sign 0.000 ± 0.000 χ^2/NDF : 47.0/44

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3455050.6/17

Left Out: 0.004+/-0.000 χ^2/NDF :12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 11382241.0/21

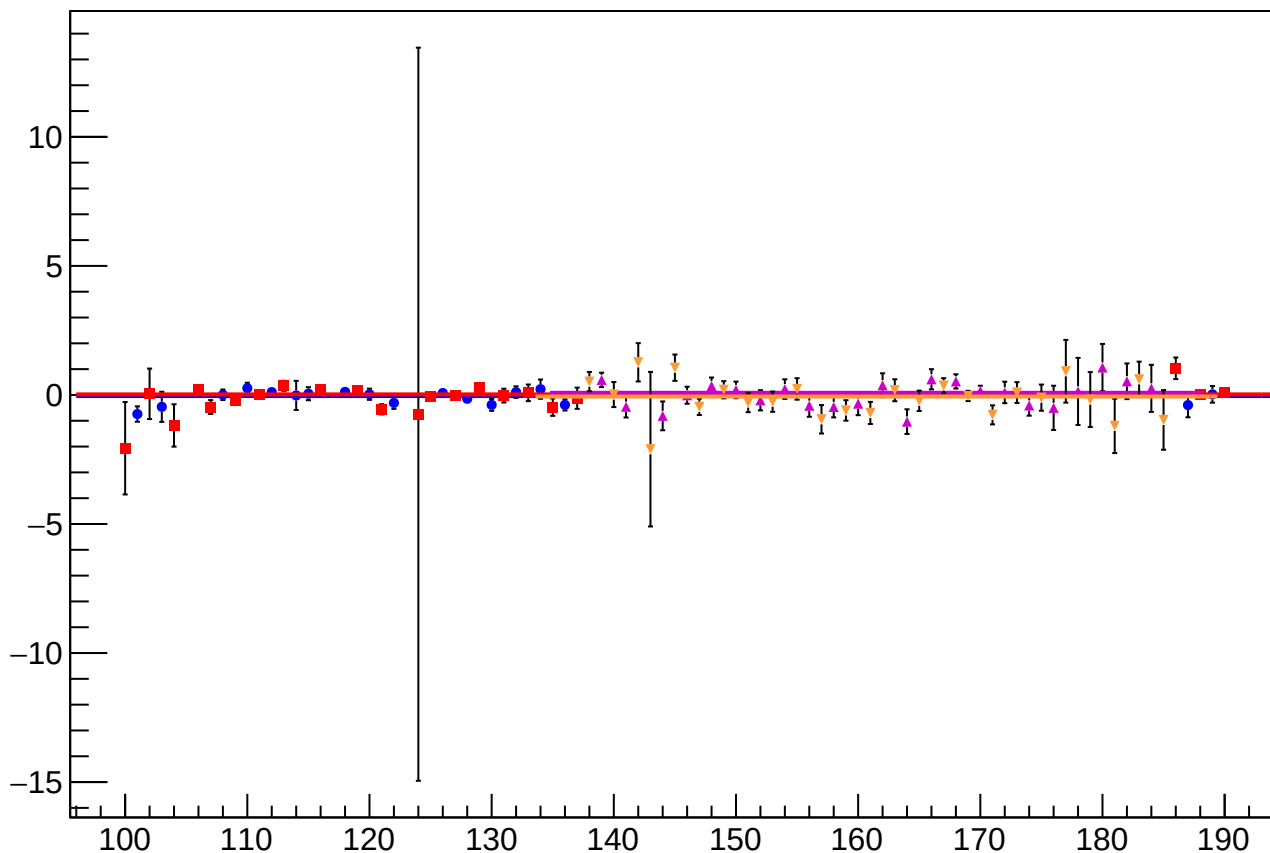
Left In: 0.005+/-0.000 χ^2/NDF :9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 17968283.1/42

All: 0.004+/-0.000 χ^2/NDF : 45237670.9/87

- sign 0.003+/-0.000 χ^2/NDF : 25812328.6/44

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.043 ± 0.055 χ^2/NDF : 18.5/17

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: 0.022 ± 0.045 χ^2/NDF : 34.9/21

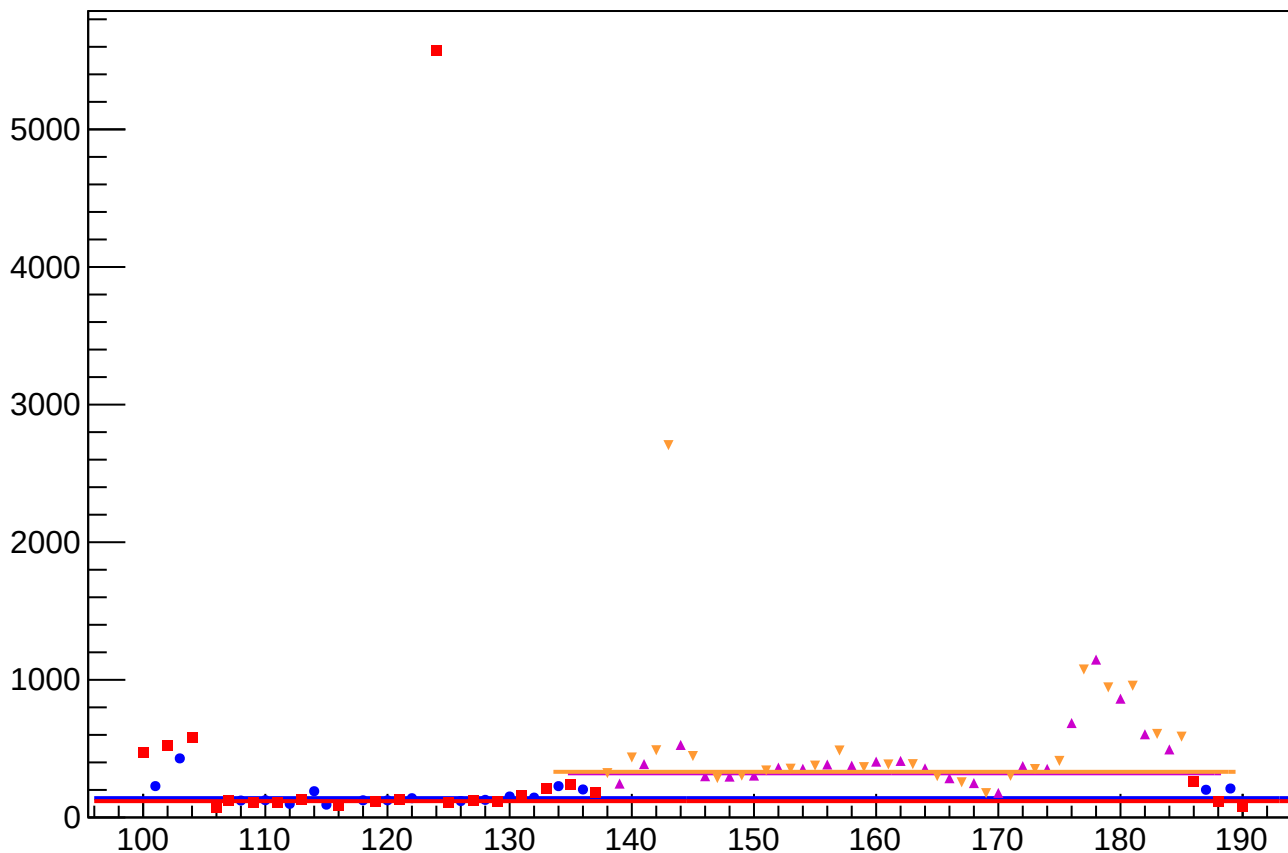
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.048 ± 0.046 χ^2/NDF : 49.3/42

All: 0.001 ± 0.030 χ^2/NDF : 113.6/87

- sign 0.037 ± 0.040 χ^2/NDF : 62.3/44

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 140.358 $\pm$ 0.039 χ^2/NDF : 1401749.6/17

Left Out: 331.653 $\pm$ 0.059 χ^2/NDF : 5838264.0/24

Right Out: 118.524 $\pm$ 0.032 χ^2/NDF : 2493600.1/21

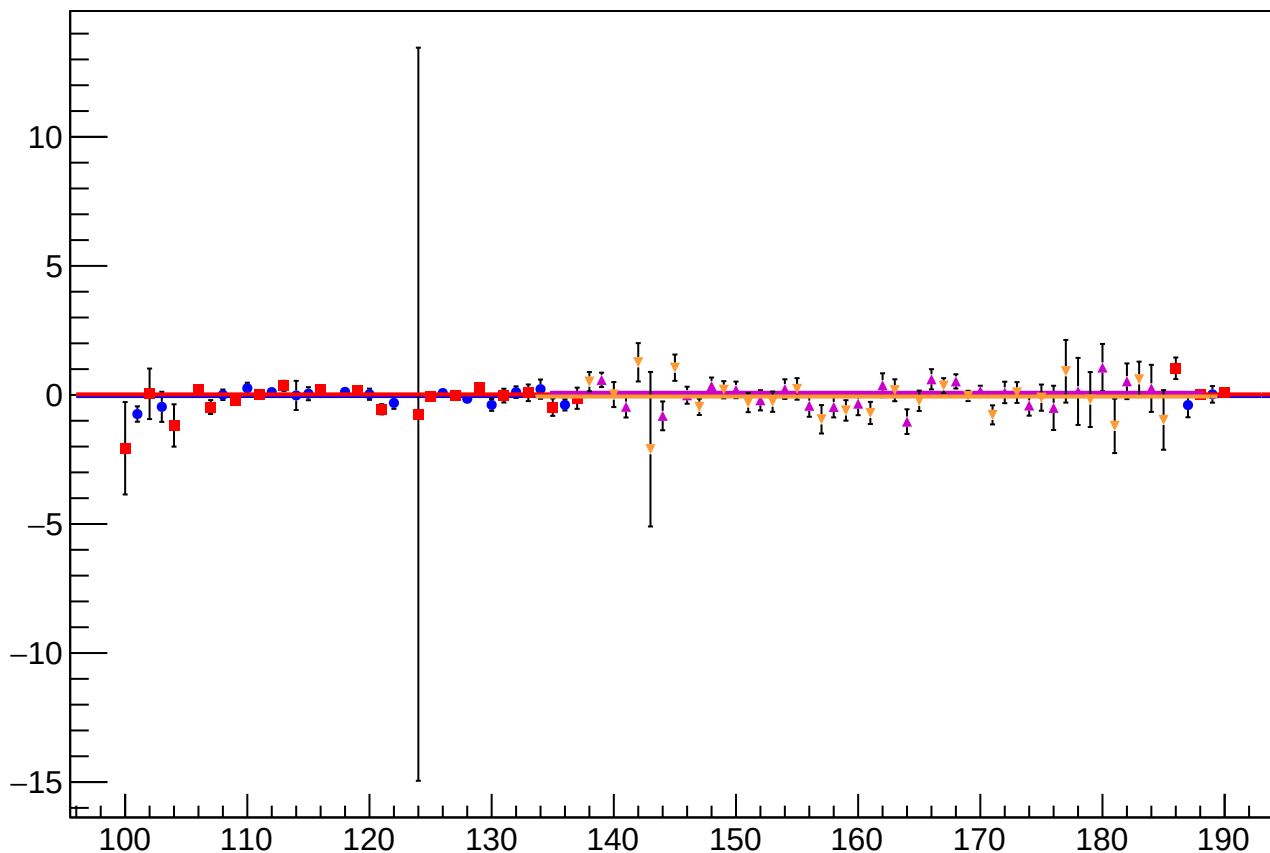
Left In: 320.749 $\pm$ 0.057 χ^2/NDF : 4248171.3/22

+ sign 197.512 $\pm$ 0.032 χ^2/NDF : 14566792.4/42

All: 179.809 $\pm$ 0.021 χ^2/NDF : 31301562.6/87

- sign 166.574 $\pm$ 0.028 χ^2/NDF : 16211374.6/44

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043 ± 0.055 χ^2/NDF : 18.5/17

Left Out: -0.061 ± 0.084 χ^2/NDF : 30.8/24

Right Out: 0.022 ± 0.045 χ^2/NDF : 34.9/21

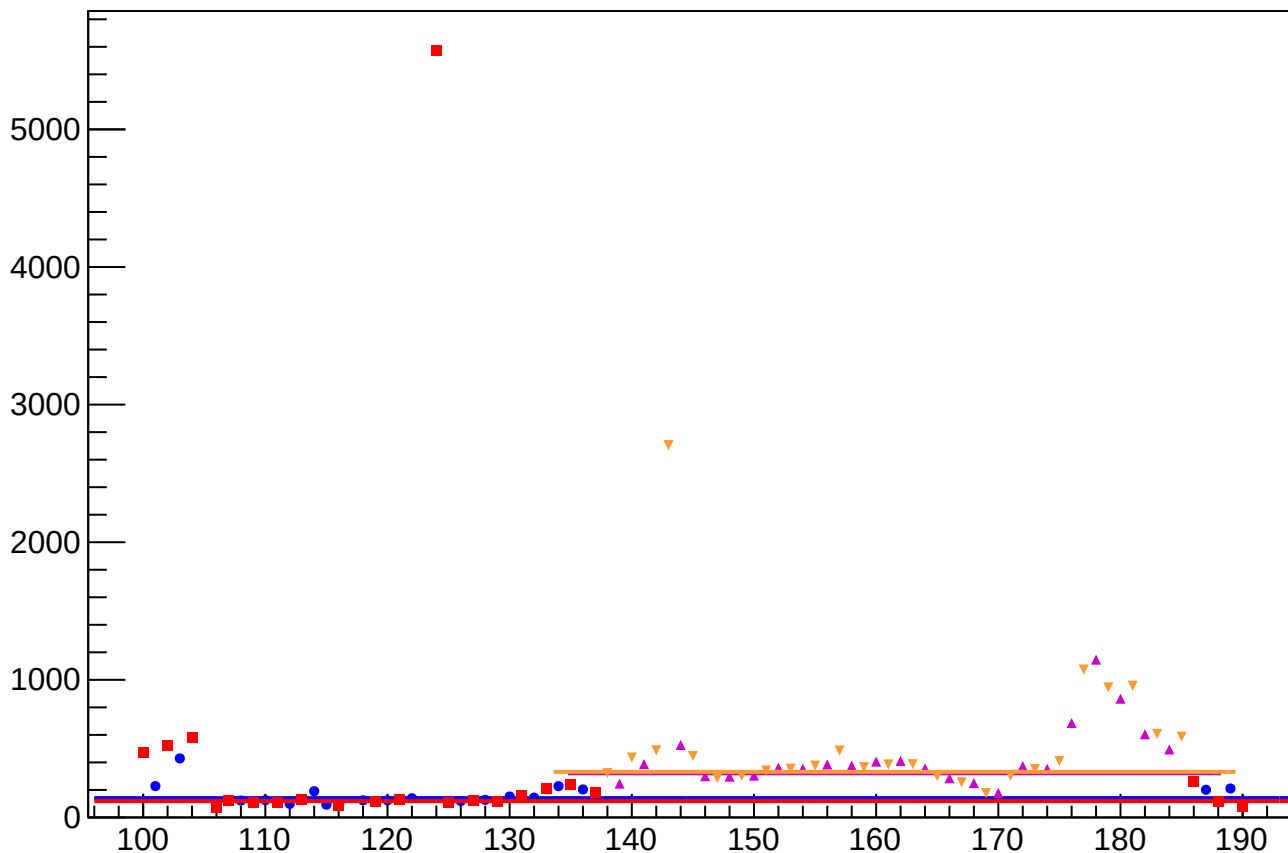
Left In: 0.084 ± 0.081 χ^2/NDF : 27.0/22

+ sign -0.048 ± 0.046 χ^2/NDF : 49.3/42

All: 0.001 ± 0.030 χ^2/NDF : 113.6/87

- sign 0.037 ± 0.040 χ^2/NDF : 62.3/44

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 140.358 $\pm$ 0.039 χ^2 /NDF: 1401749.6/17

Left Out: 331.653 $\pm$ 0.059 χ^2 /NDF: 5838264.0/24

Right Out: 118.524 $\pm$ 0.032 χ^2 /NDF: 2493600.1/21

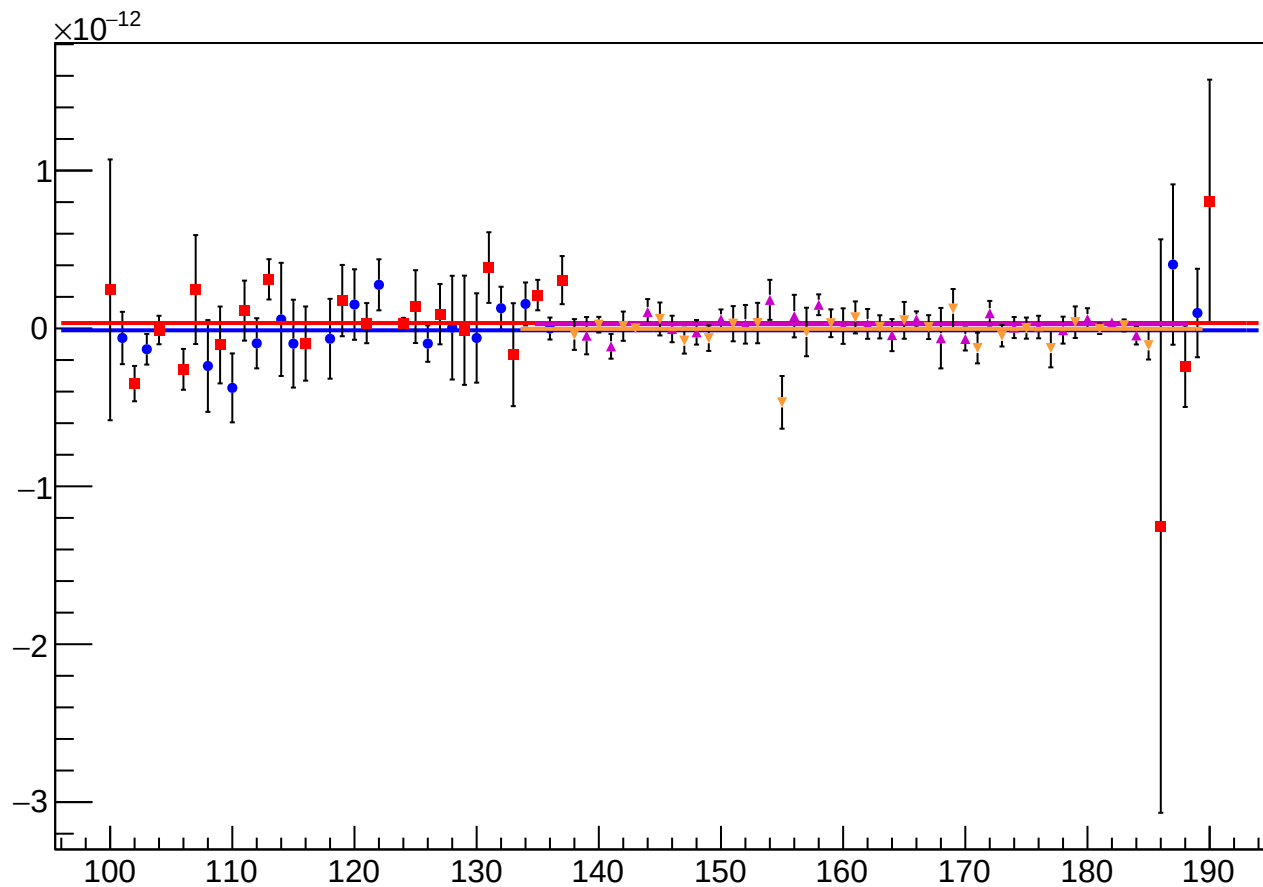
Left In: 320.749 $\pm$ 0.057 χ^2 /NDF: 4248171.3/22

+ sign 197.512 $\pm$ 0.032 χ^2 /NDF: 14566792.4/42

All: 179.809 $\pm$ 0.021 χ^2 /NDF: 31301562.6/87

- sign 166.574 $\pm$ 0.028 χ^2 /NDF: 16211374.6/44

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.1/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 17.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 35.8/21

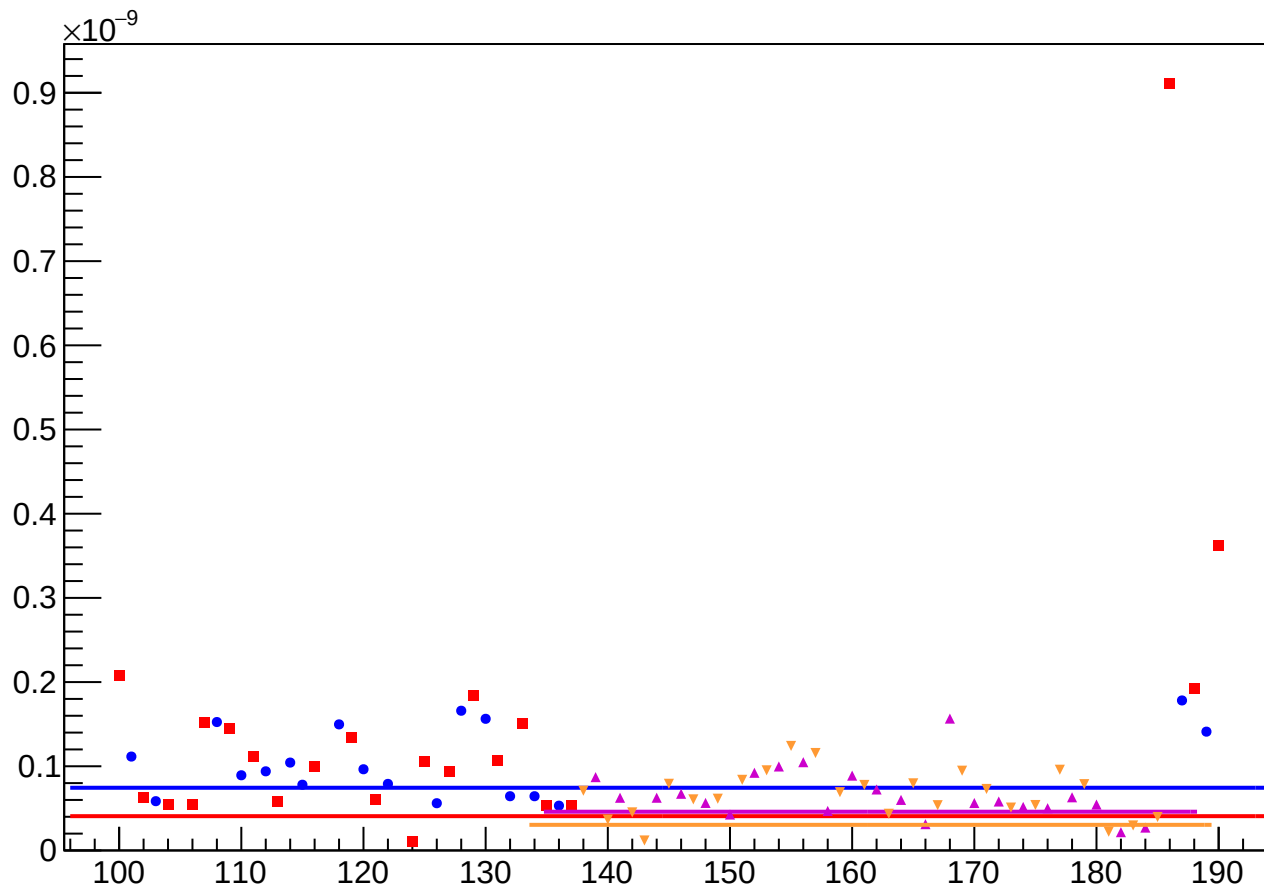
Left In: 0.000 ± 0.000 χ^2/NDF : 16.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 30.2/42

All: 0.000 ± 0.000 χ^2/NDF : 86.1/87

- sign 0.000 ± 0.000 χ^2/NDF : 52.0/44

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1328924.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 10517831.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 5780524.0/21

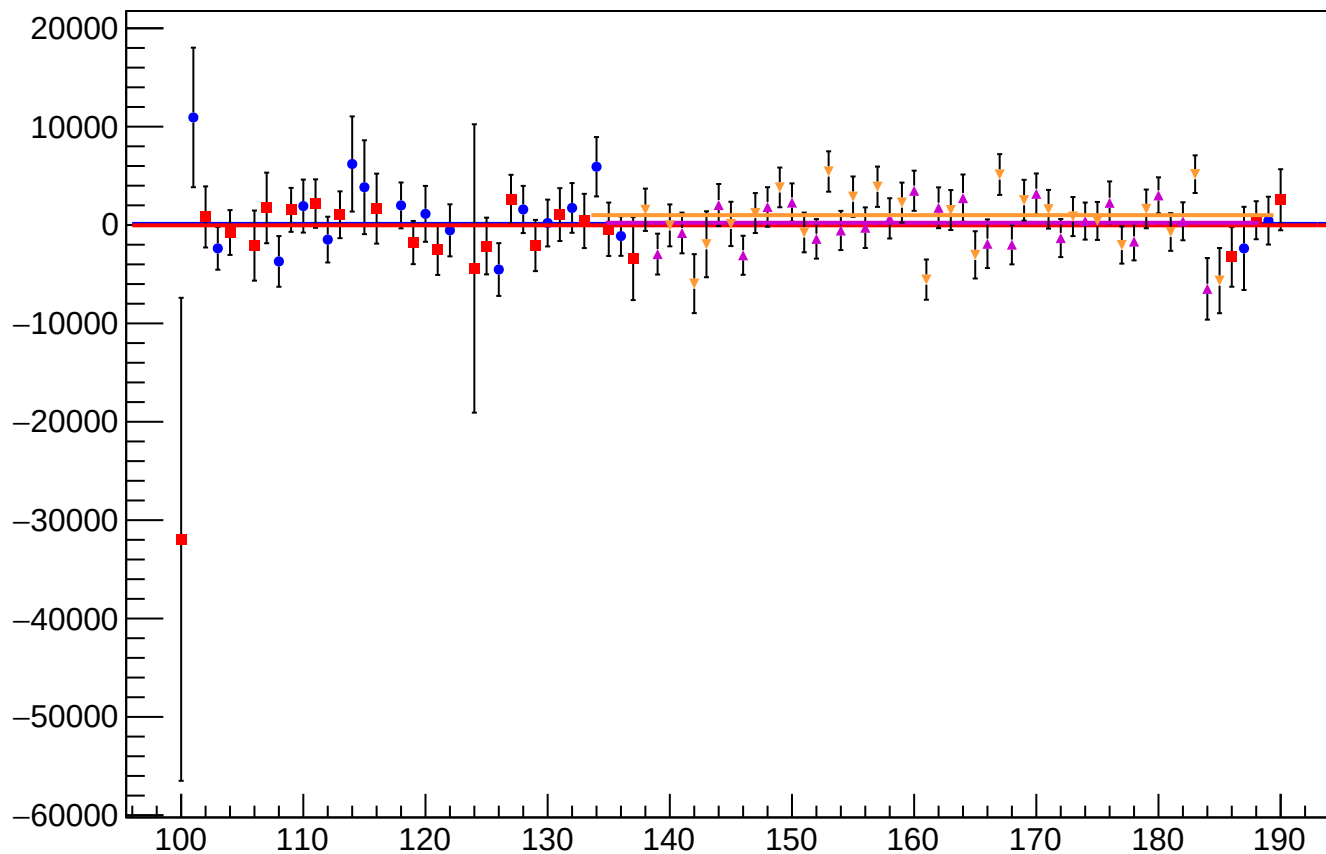
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4899715.4/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 14484685.2/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 26114886.2/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 10746172.5/44

reg_asym_atr1l2_dd_mean vs Slug



Right In: 113.725 $\pm$ 635.940 χ^2 /NDF: 18.0/17

Left Out: 1004.165 $\pm$ 422.582 χ^2 /NDF: 47.4/24

Right Out: -29.364 $\pm$ 596.604 χ^2 /NDF: 10.9/21

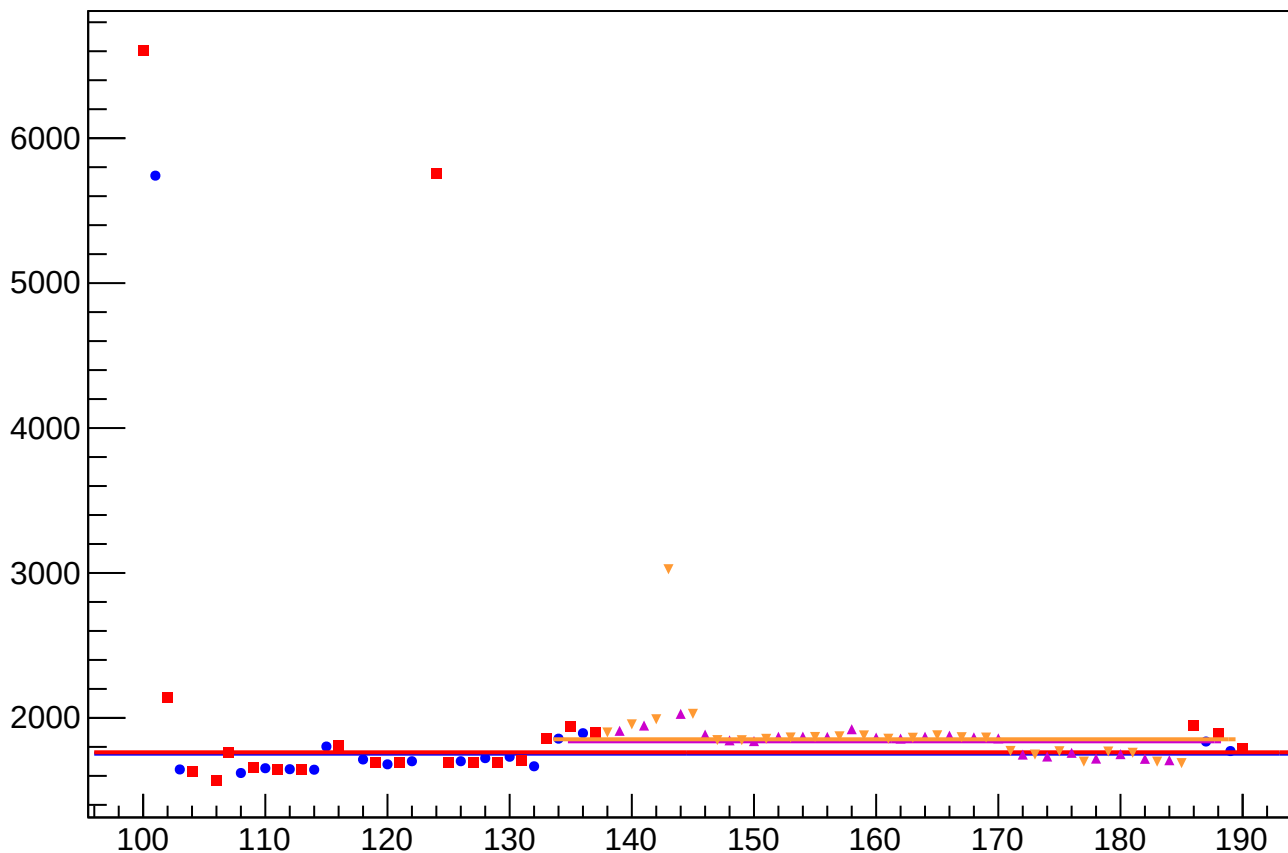
Left In: 229.321 $\pm$ 429.699 χ^2 /NDF: 26.4/22

+ sign 731.417 $\pm$ 351.961 χ^2 /NDF: 66.8/42

All: 433.421 $\pm$ 247.704 χ^2 /NDF: 105.5/87

- sign 140.964 $\pm$ 348.675 χ^2 /NDF: 37.4/44

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1753.305+/-0.450 χ^2/NDF : 670524.3/17

Left Out: 1852.534+/-0.299 χ^2/NDF : 321038.9/24

Right Out: 1762.678+/-0.419 χ^2/NDF : 323764.8/21

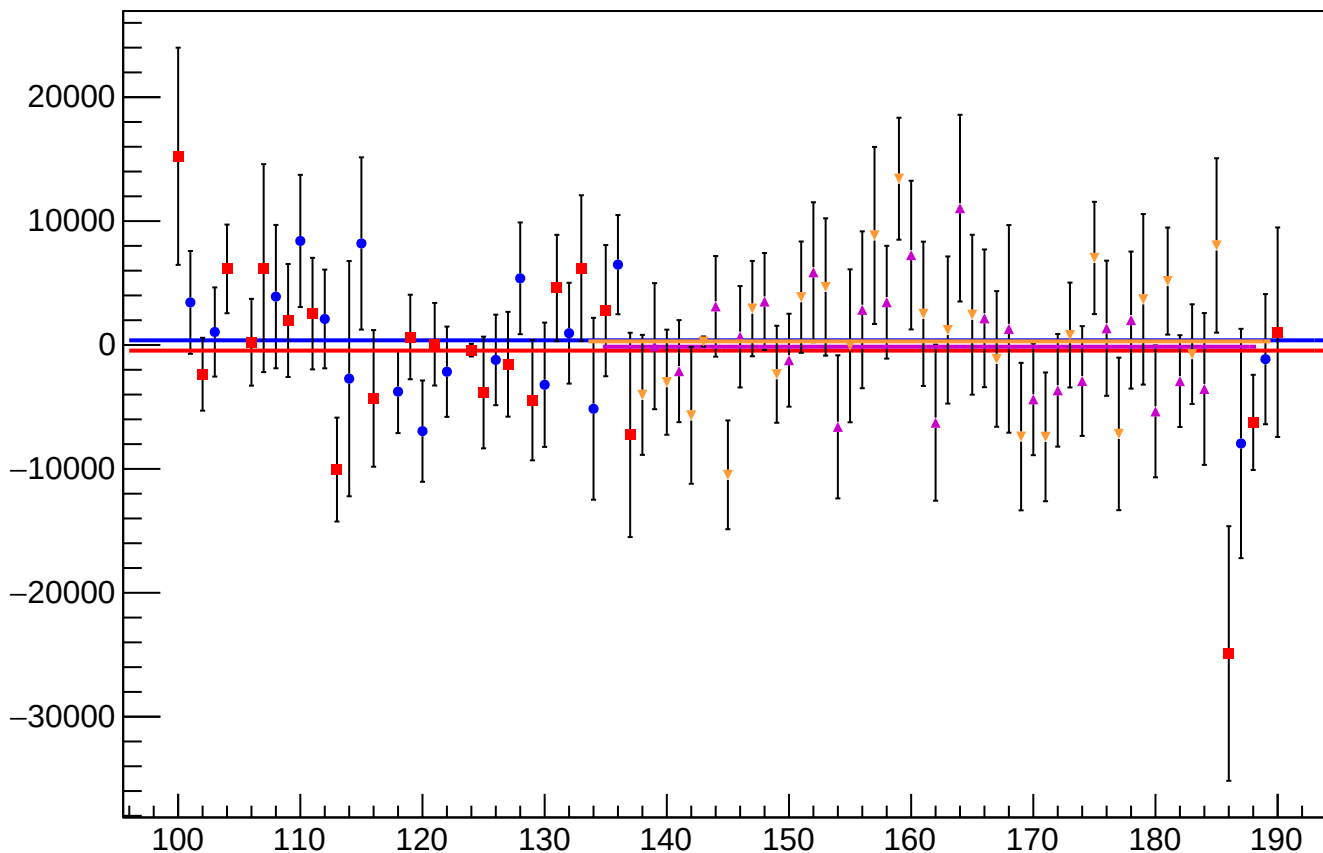
Left In: 1838.528+/-0.304 χ^2/NDF : 68478.0/22

+ sign 1822.139+/-0.249 χ^2/NDF : 1025341.9/42

All: 1817.220+/-0.175 χ^2/NDF : 1439814.4/87

- sign 1812.412+/-0.246 χ^2/NDF : 413699.9/44

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 377.560 ± 1070.490 $\chi^2/\text{NDF}: 15.7/17$

Left Out: 294.407 ± 379.922 $\chi^2/\text{NDF}: 30.0/24$

Right Out: -452.144 ± 453.628 $\chi^2/\text{NDF}: 27.3/21$

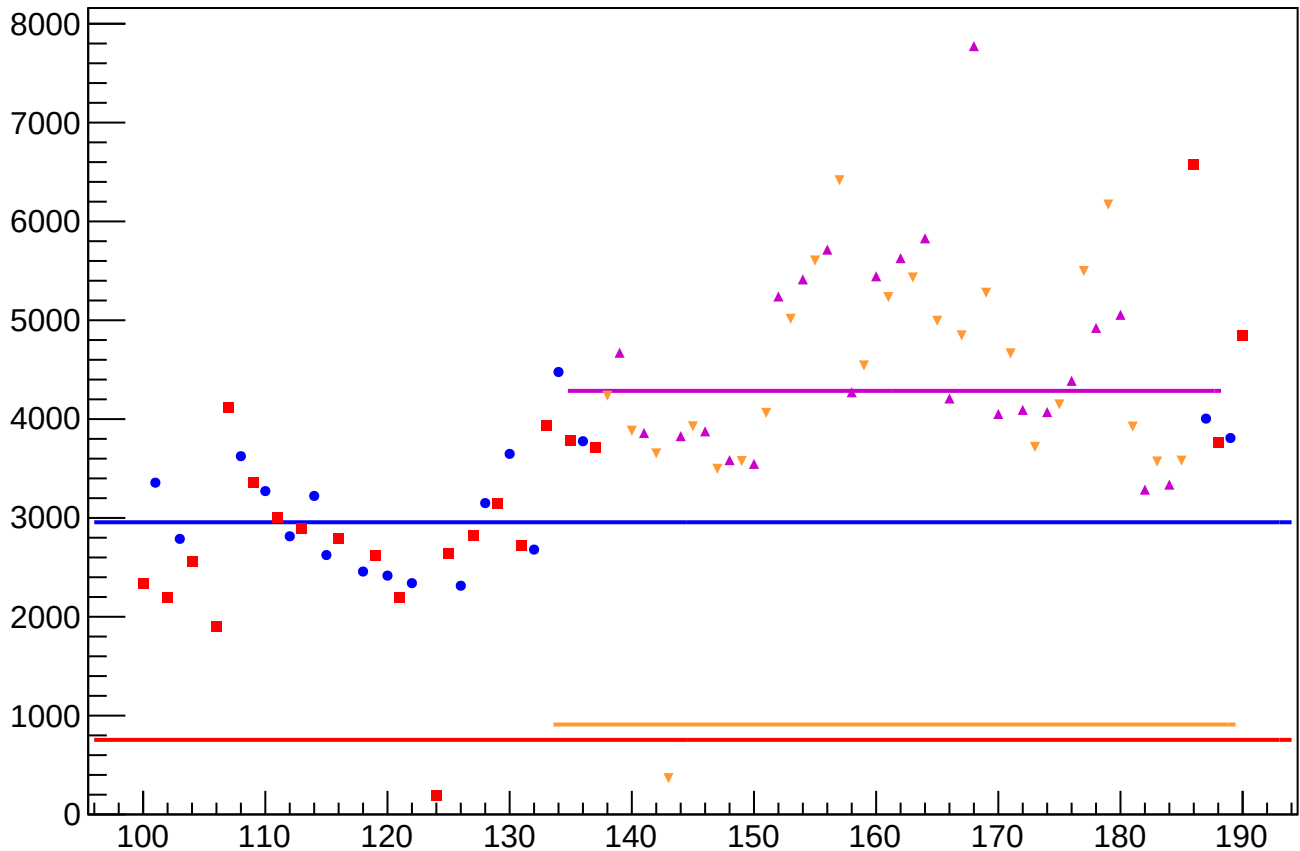
Left In: -138.350 ± 1022.943 $\chi^2/\text{NDF}: 13.9/22$

+ sign 303.709 ± 358.041 $\chi^2/\text{NDF}: 45.8/42$

All: 2.915 ± 271.004 $\chi^2/\text{NDF}: 88.7/87$

- sign -400.577 ± 414.683 $\chi^2/\text{NDF}: 41.2/44$

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2956.384 $\pm$ 0.757 χ^2 /NDF: 562657.4/17

Left Out: 910.135 $\pm$ 0.269 χ^2 /NDF: 26774123.9/24

Right Out: 754.638 $\pm$ 0.321 χ^2 /NDF: 12526730.5/21

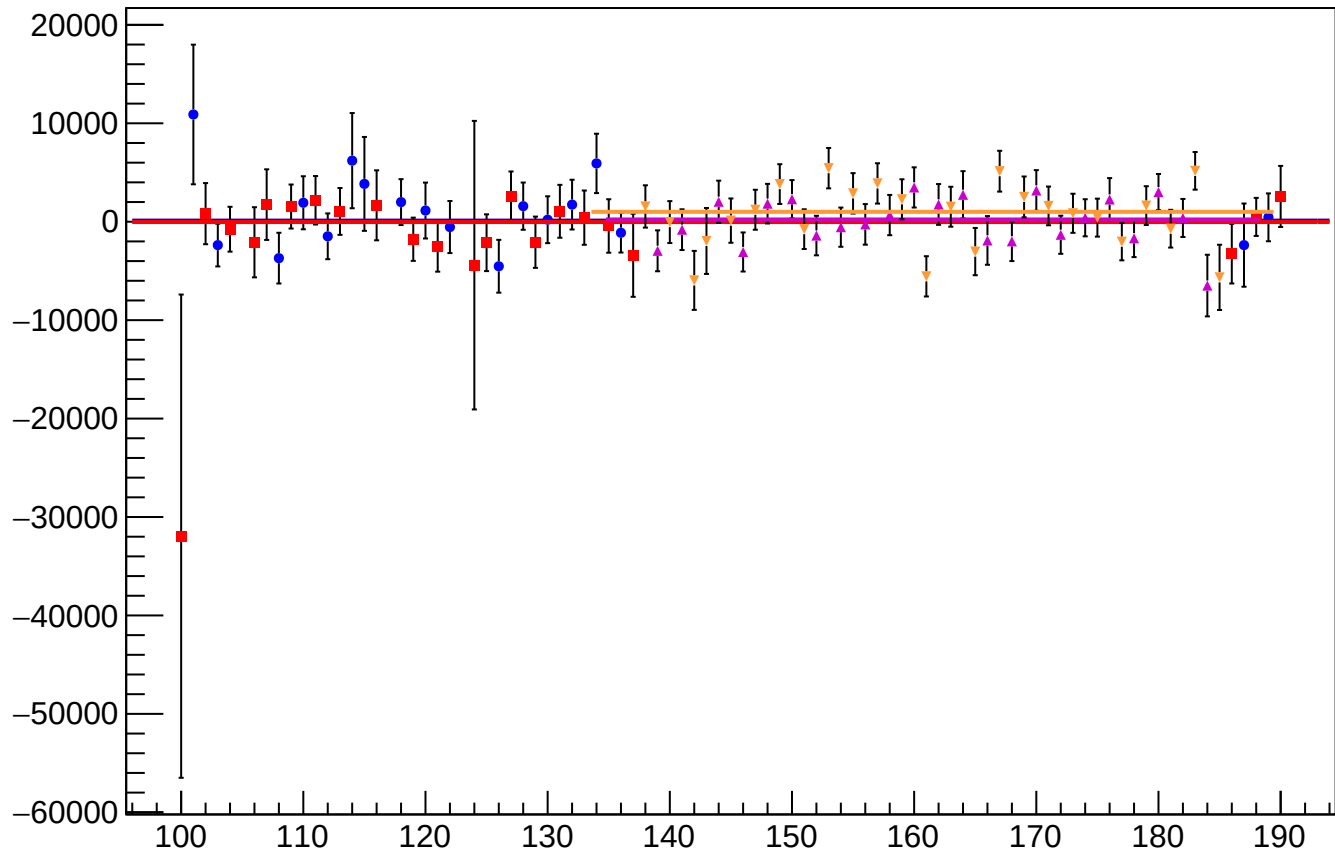
Left In: 4285.839 $\pm$ 0.723 χ^2 /NDF: 1327947.9/22

+ sign 1139.043 $\pm$ 0.253 χ^2 /NDF: 33827007.5/42

All: 1222.708 $\pm$ 0.192 χ^2 /NDF: 67853484.6/8

- sign 1334.938 $\pm$ 0.293 χ^2 /NDF: 33770777.0/44

cor_asym_atr1l2_dd_mean vs Slug



Right In: 113.276 $\pm$ 635.940 χ^2 /NDF: 18.0/17

Left Out: 1004.123 $\pm$ 422.582 χ^2 /NDF: 47.4/24

Right Out: -29.370 $\pm$ 596.604 χ^2 /NDF: 10.9/21

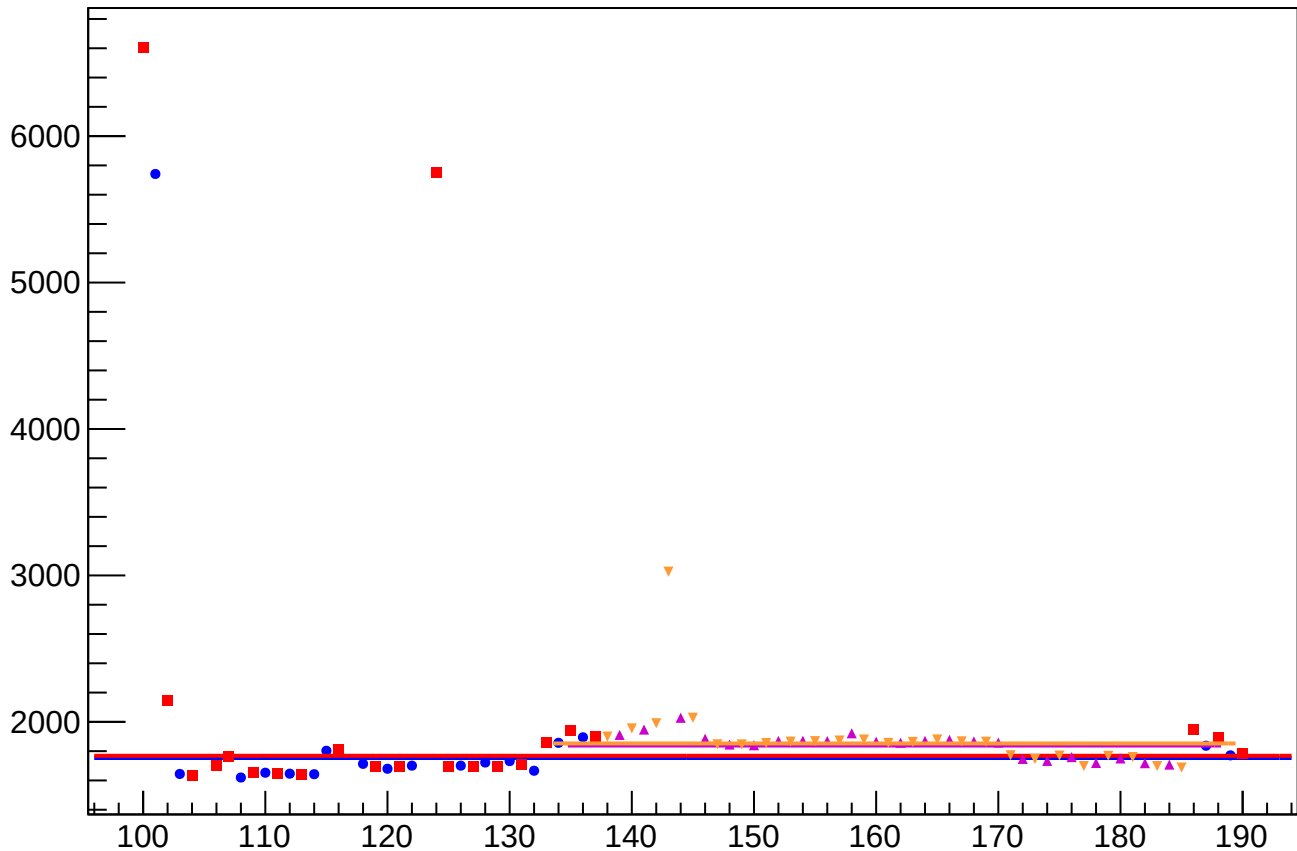
Left In: 229.236 $\pm$ 429.699 χ^2 /NDF: 26.4/22

+ sign 731.251 $\pm$ 351.961 χ^2 /NDF: 66.7/42

All: 433.310 $\pm$ 247.704 χ^2 /NDF: 105.5/87

- sign 140.906 $\pm$ 348.675 χ^2 /NDF: 37.4/44

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1753.304+/-0.450 χ^2/NDF : 670524.5/17

Left Out: 1852.534+/-0.299 χ^2/NDF : 321038.9/24

Right Out: 1768.381+/-0.421 χ^2/NDF : 315737.3/21

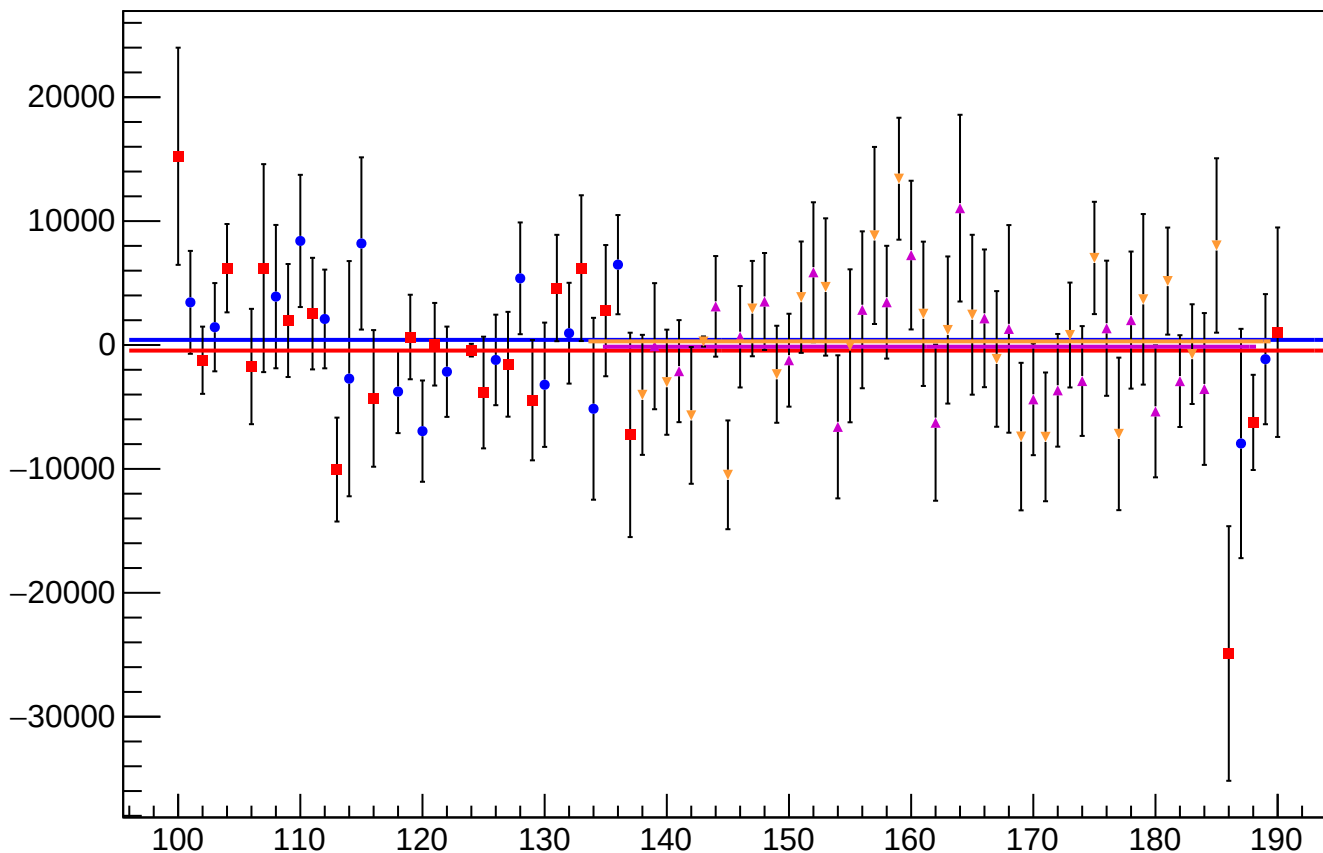
Left In: 1838.528+/-0.304 χ^2/NDF : 68478.0/22

+ sign 1822.139+/-0.249 χ^2/NDF : 1025342.3/42

All: 1818.265+/-0.175 χ^2/NDF : 1428317.0/87

- sign 1814.470+/-0.246 χ^2/NDF : 402495.0/44

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 413.666 ± 1069.536 $\chi^2/\text{NDF}: 15.8/17$

Left Out: 295.308 ± 379.951 $\chi^2/\text{NDF}: 30.0/24$

Right Out: -450.282 ± 454.517 $\chi^2/\text{NDF}: 27.1/21$

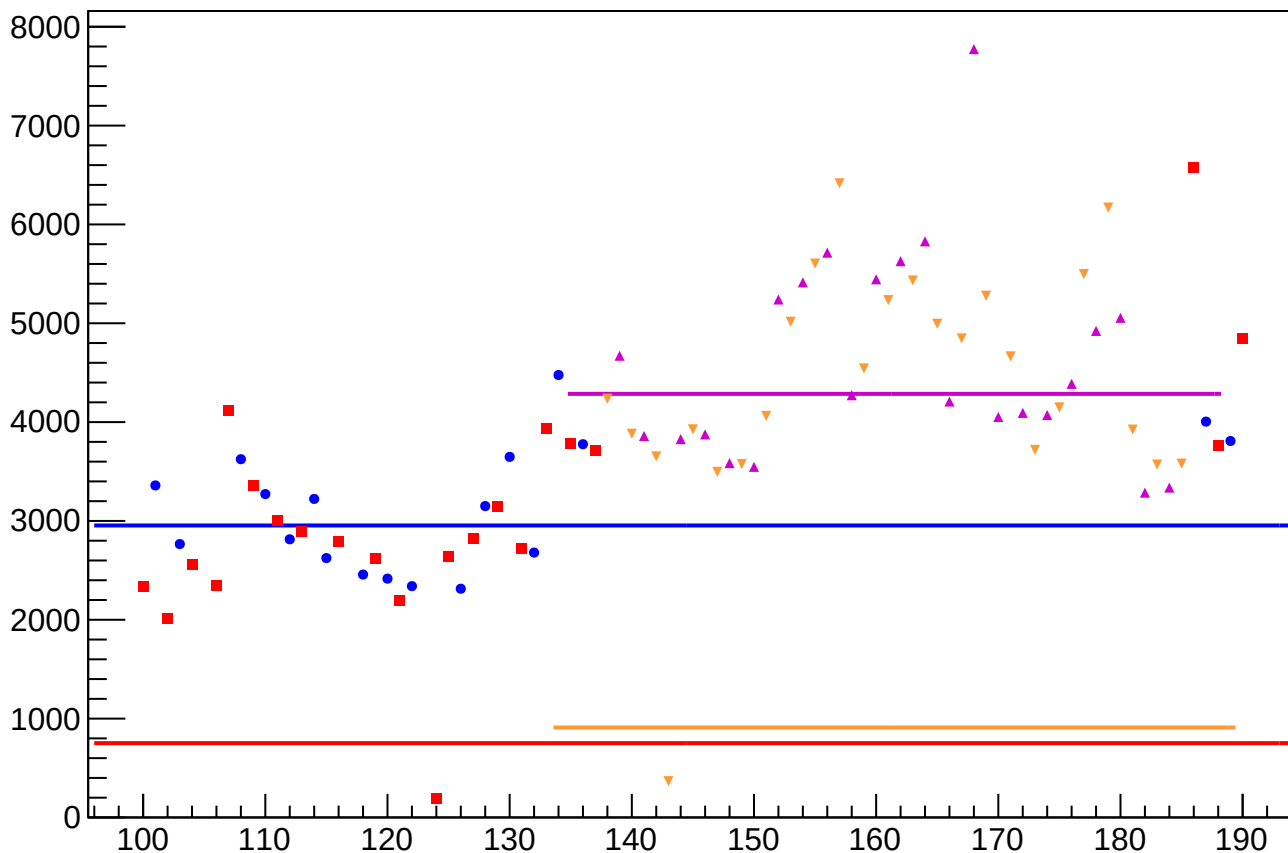
Left In: -138.272 ± 1022.940 $\chi^2/\text{NDF}: 13.9/22$

+ sign 308.571 ± 358.030 $\chi^2/\text{NDF}: 45.8/42$

All: 7.019 ± 271.189 $\chi^2/\text{NDF}: 88.5/87$

- sign -398.840 ± 415.361 $\chi^2/\text{NDF}: 41.0/44$

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2954.213+/-0.756 χ^2/NDF : 564204.6/17

Left Out: 910.253+/-0.269 χ^2/NDF : 26772969.1/24

Right Out: 751.894+/-0.321 χ^2/NDF : 12487318.4/21

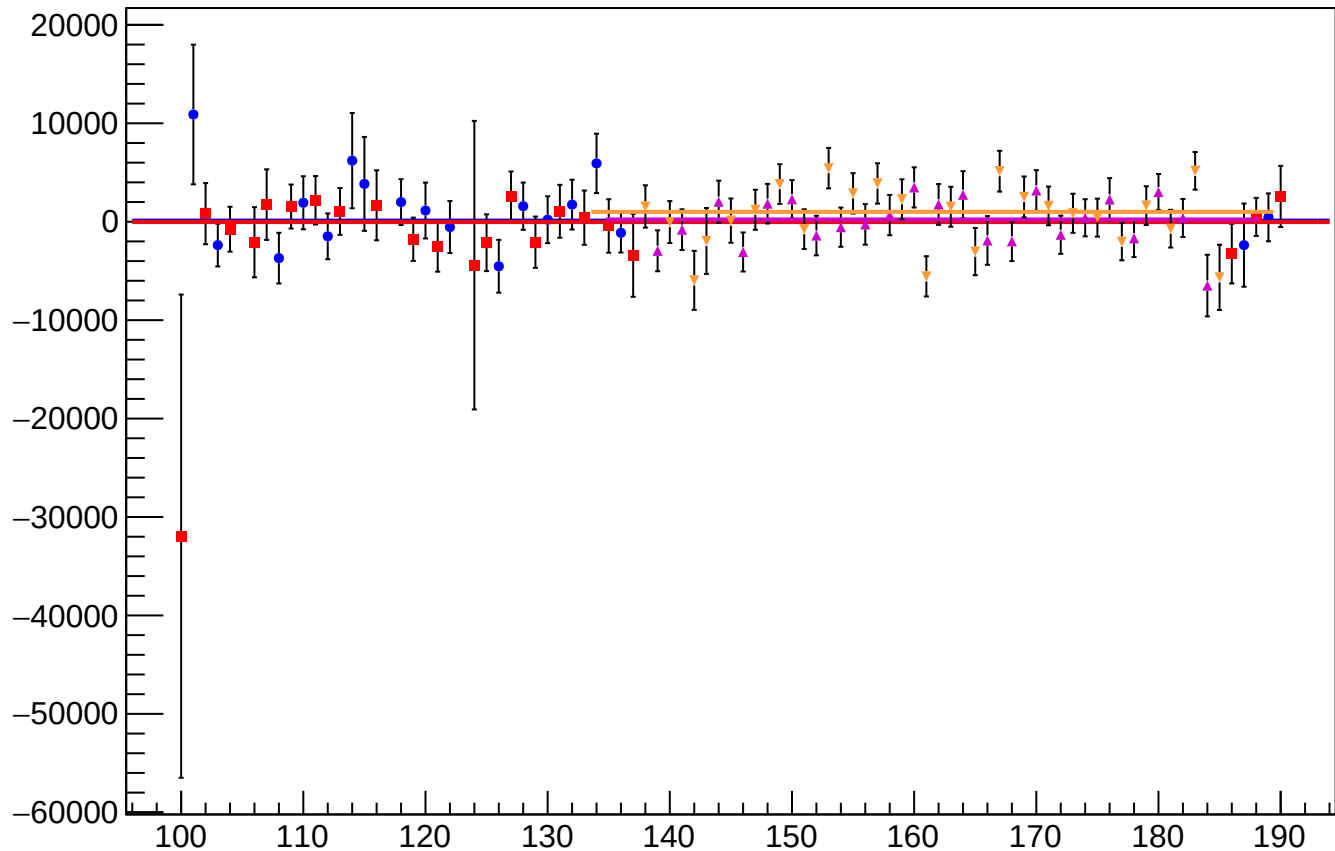
Left In: 4285.828+/-0.723 χ^2/NDF : 1327963.4/22

+ sign 1139.298+/-0.253 χ^2/NDF : 33823028.0/42

All: 1222.528+/-0.192 χ^2/NDF : 67826030.2/8

- sign 1334.547+/-0.294 χ^2/NDF : 33749455.7/44

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 113.276 $\pm$ 635.940 χ^2 /NDF: 18.0/17

Left Out: 1004.123 $\pm$ 422.582 χ^2 /NDF: 47.4/24

Right Out: -29.370 $\pm$ 596.604 χ^2 /NDF: 10.9/21

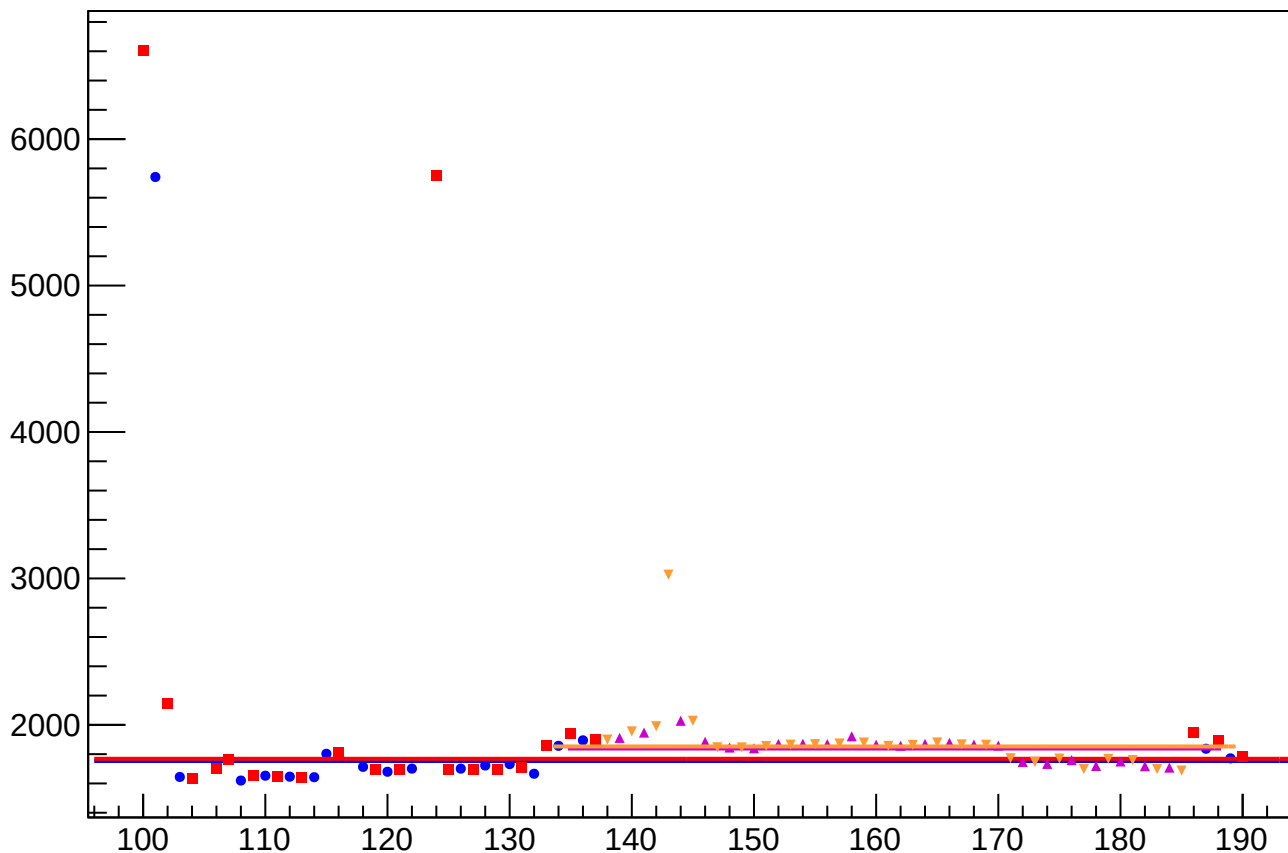
Left In: 229.236 $\pm$ 429.699 χ^2 /NDF: 26.4/22

+ sign 731.251 $\pm$ 351.961 χ^2 /NDF: 66.7/42

All: 433.310 $\pm$ 247.704 χ^2 /NDF: 105.5/87

- sign 140.906 $\pm$ 348.675 χ^2 /NDF: 37.4/44

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1753.304+/-0.450 χ^2/NDF : 670524.5/17

Left Out: 1852.534+/-0.299 χ^2/NDF : 321038.9/24

Right Out: 1768.381+/-0.421 χ^2/NDF : 315737.3/21

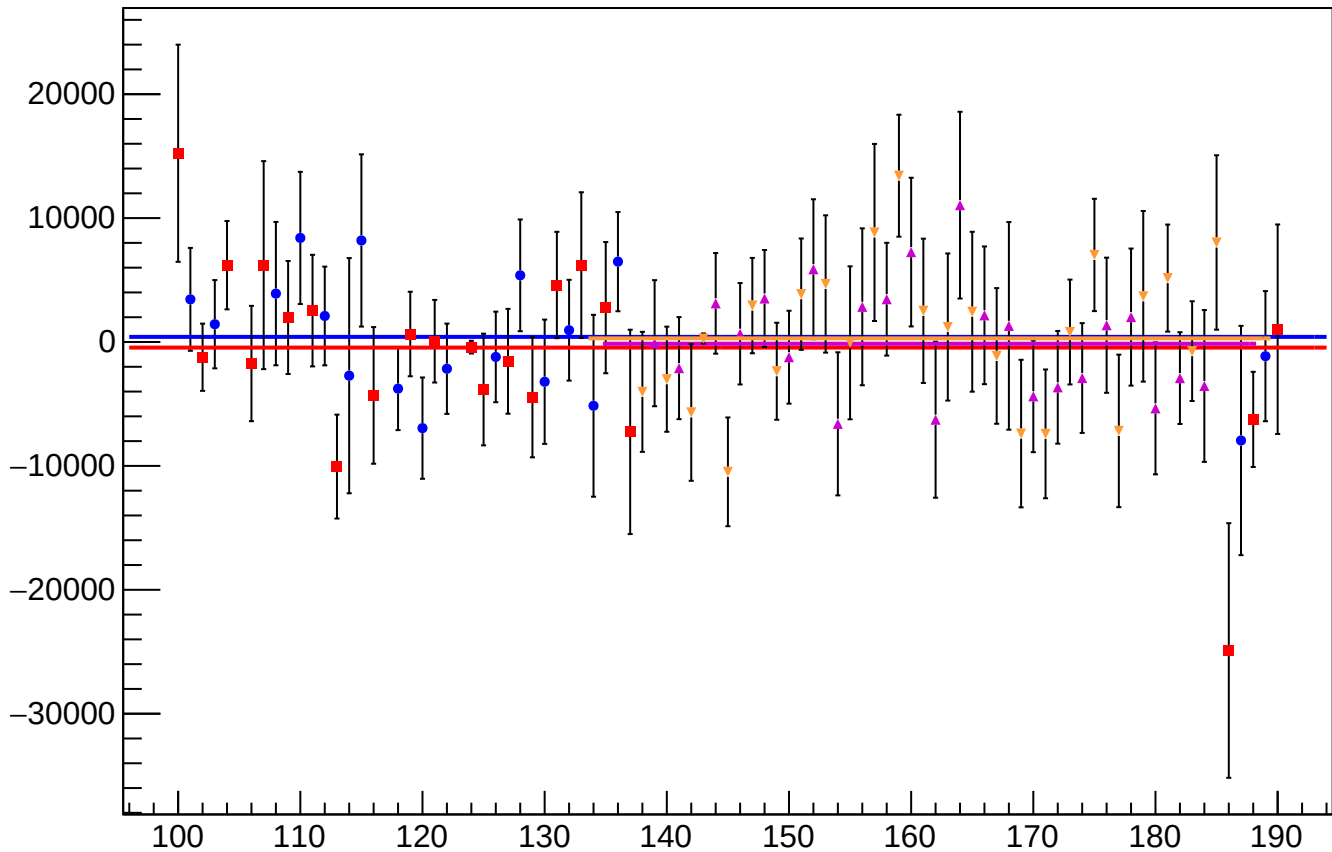
Left In: 1838.528+/-0.304 χ^2/NDF : 68478.0/22

+ sign 1822.139+/-0.249 χ^2/NDF : 1025342.3/42

All: 1818.265+/-0.175 χ^2/NDF : 1428317.0/87

- sign 1814.470+/-0.246 χ^2/NDF : 402495.0/44

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 413.666 ± 1069.536 $\chi^2/\text{NDF}: 15.8/17$

Left Out: 295.308 ± 379.951 $\chi^2/\text{NDF}: 30.0/24$

Right Out: -450.282 ± 454.517 $\chi^2/\text{NDF}: 27.1/21$

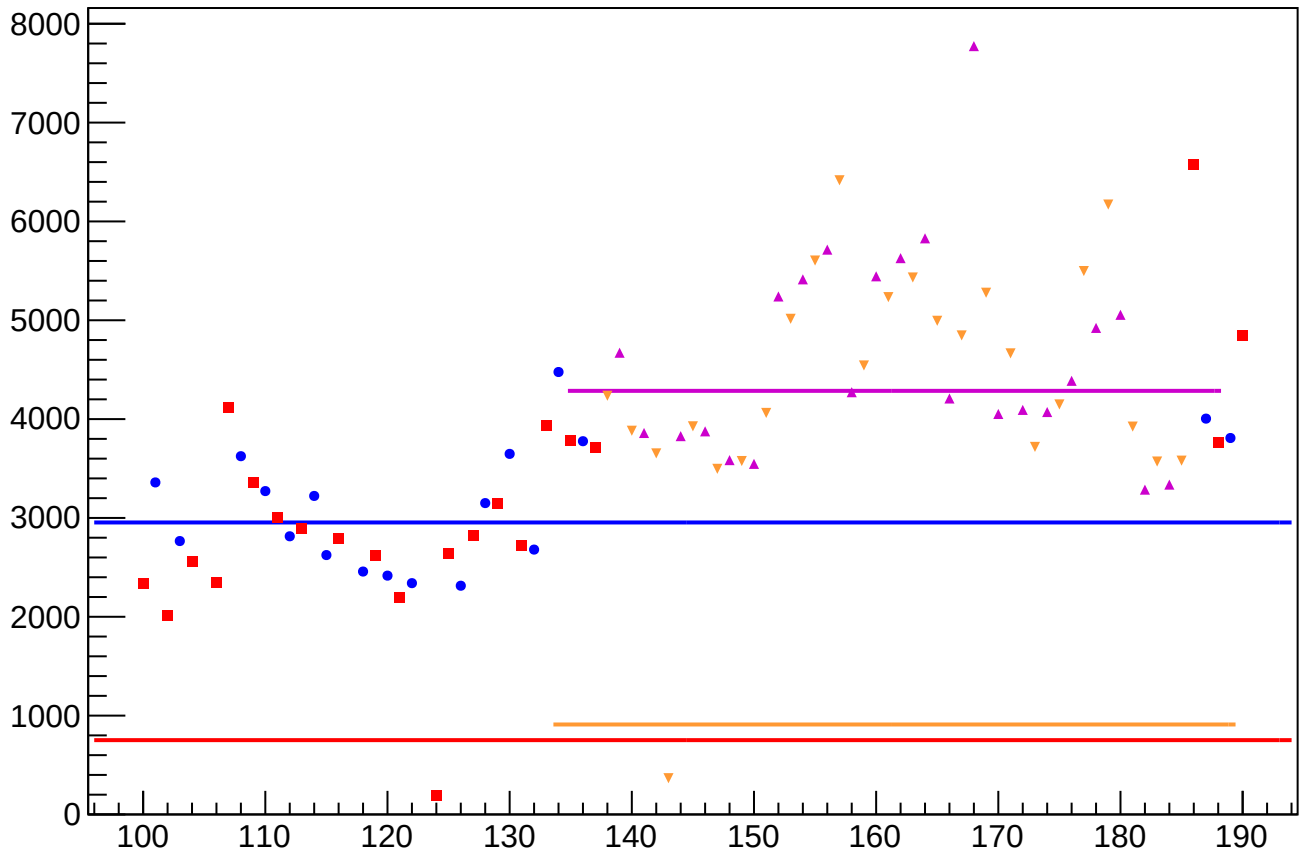
Left In: -138.272 ± 1022.940 $\chi^2/\text{NDF}: 13.9/22$

+ sign 308.571 ± 358.030 $\chi^2/\text{NDF}: 45.8/42$

All: 7.019 ± 271.189 $\chi^2/\text{NDF}: 88.5/87$

- sign -398.840 ± 415.361 $\chi^2/\text{NDF}: 41.0/44$

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2954.213 $\pm$ 0.756 χ^2 /NDF: 564204.6/17

Left Out: 910.253 $\pm$ 0.269 χ^2 /NDF: 26772969.1/24

Right Out: 751.894 $\pm$ 0.321 χ^2 /NDF: 12487318.4/21

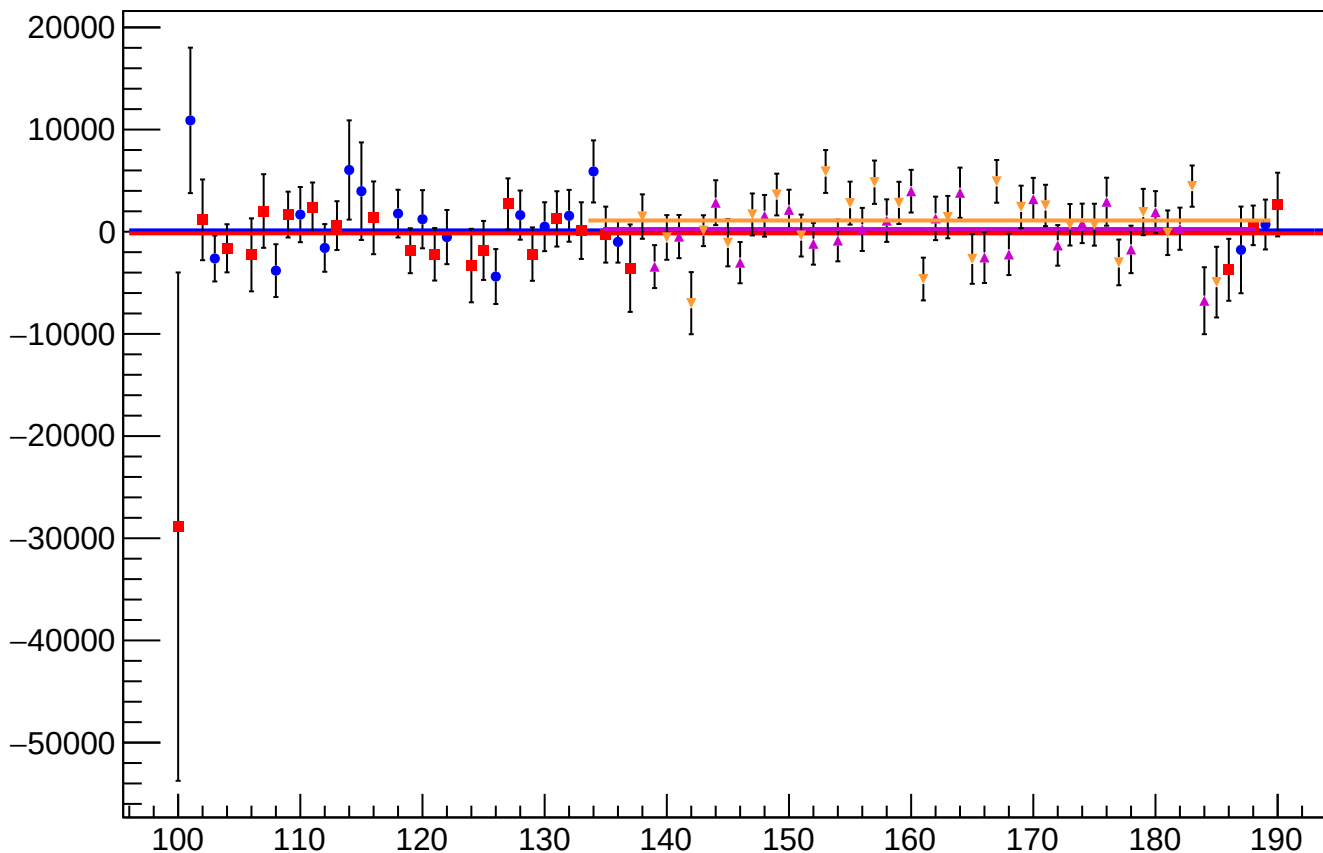
Left In: 4285.828 $\pm$ 0.723 χ^2 /NDF: 1327963.4/22

+ sign 1139.298 $\pm$ 0.253 χ^2 /NDF: 33823028.0/42

All: 1222.528 $\pm$ 0.192 χ^2 /NDF: 67826030.2/8

- sign 1334.547 $\pm$ 0.294 χ^2 /NDF: 33749455.7/44

dit_asym_atr1l2_dd_mean vs Slug



Right In: 129.756 $\pm$ 640.094 χ^2 /NDF: 17.5/17

Left Out: 1103.308 $\pm$ 425.320 χ^2 /NDF: 44.8/24

Right Out: -157.626 $\pm$ 596.209 χ^2 /NDF: 12.1/21

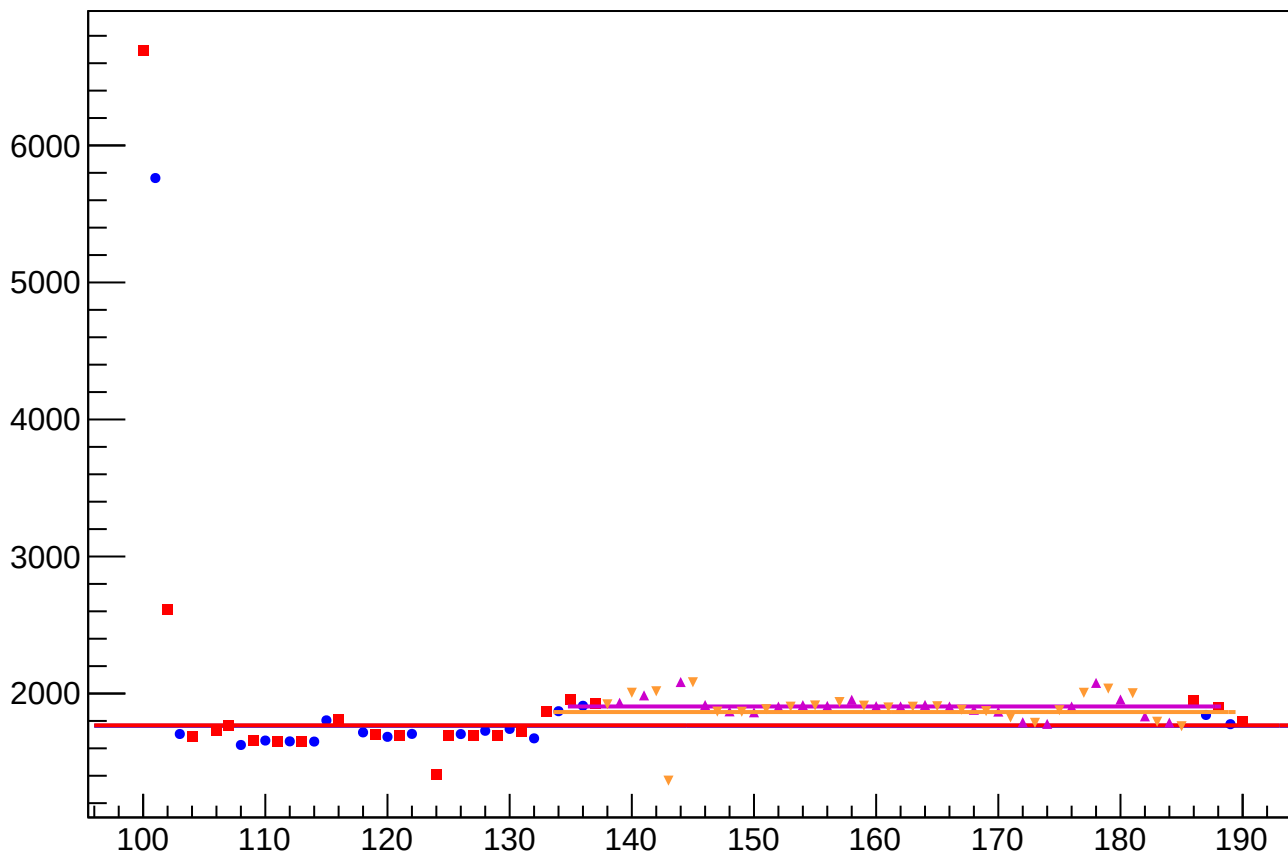
Left In: 264.609 $\pm$ 445.353 χ^2 /NDF: 27.7/22

+ sign 805.124 $\pm$ 354.247 χ^2 /NDF: 63.9/42

All: 461.740 $\pm$ 251.388 χ^2 /NDF: 105.9/87

- sign 113.390 $\pm$ 356.800 χ^2 /NDF: 40.1/44

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1764.895 $\pm$ 0.453 χ^2 /NDF: 668464.2/17

Left Out: 1864.841 $\pm$ 0.301 χ^2 /NDF: 294712.1/24

Right Out: 1767.786 $\pm$ 0.421 χ^2 /NDF: 246583.7/21

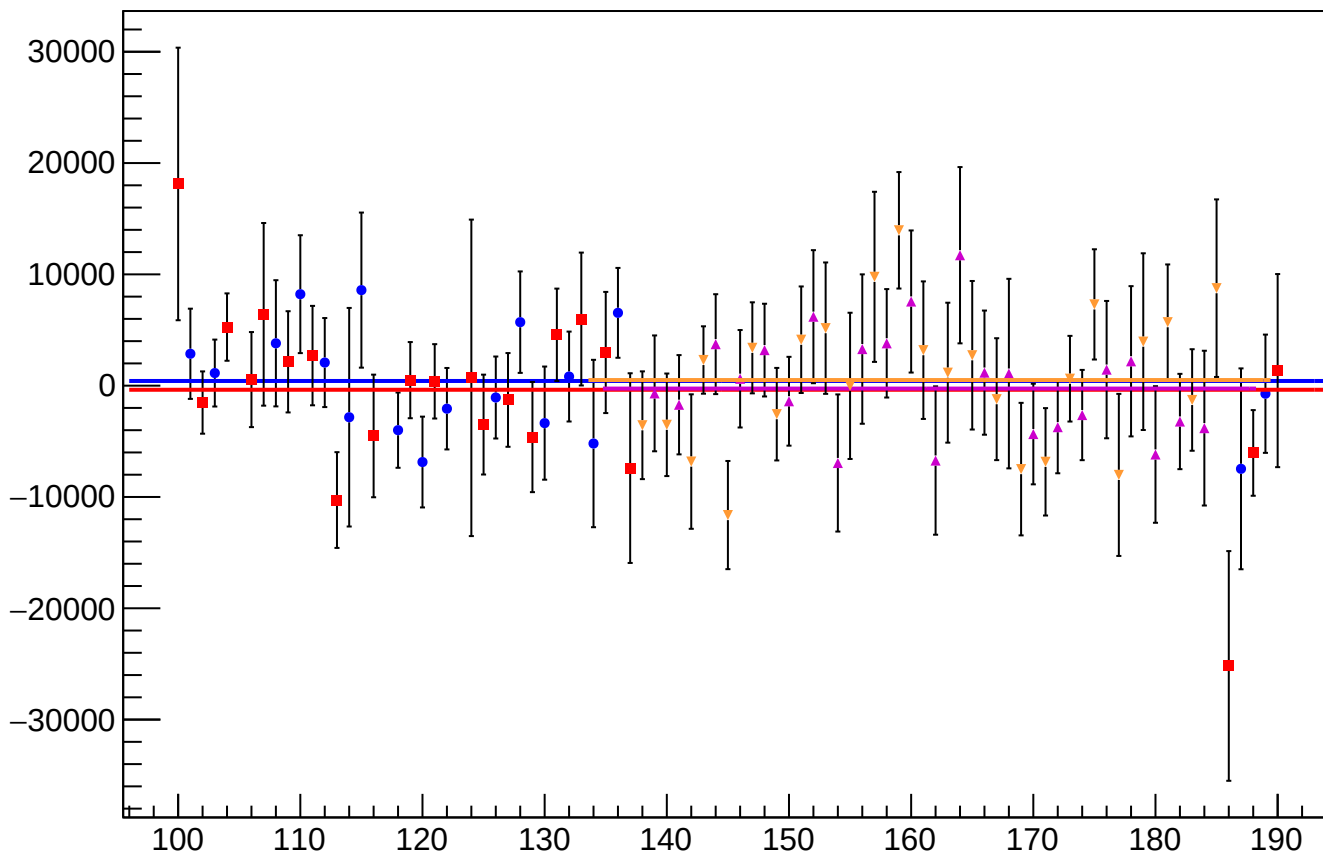
Left In: 1905.628 $\pm$ 0.315 χ^2 /NDF: 52781.7/22

+ sign 1834.229 $\pm$ 0.250 χ^2 /NDF: 997002.2/42

All: 1845.100 $\pm$ 0.178 χ^2 /NDF: 1368987.1/87

- sign 1856.109 $\pm$ 0.252 χ^2 /NDF: 368194.1/44

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 421.380 $\pm$ 1052.513 χ^2 /NDF: 15.7/17

Left Out: 504.261 $\pm$ 1021.684 χ^2 /NDF:30.1/24

Right Out: -368.409 $\pm$ 976.139 χ^2 /NDF: 26.3/21

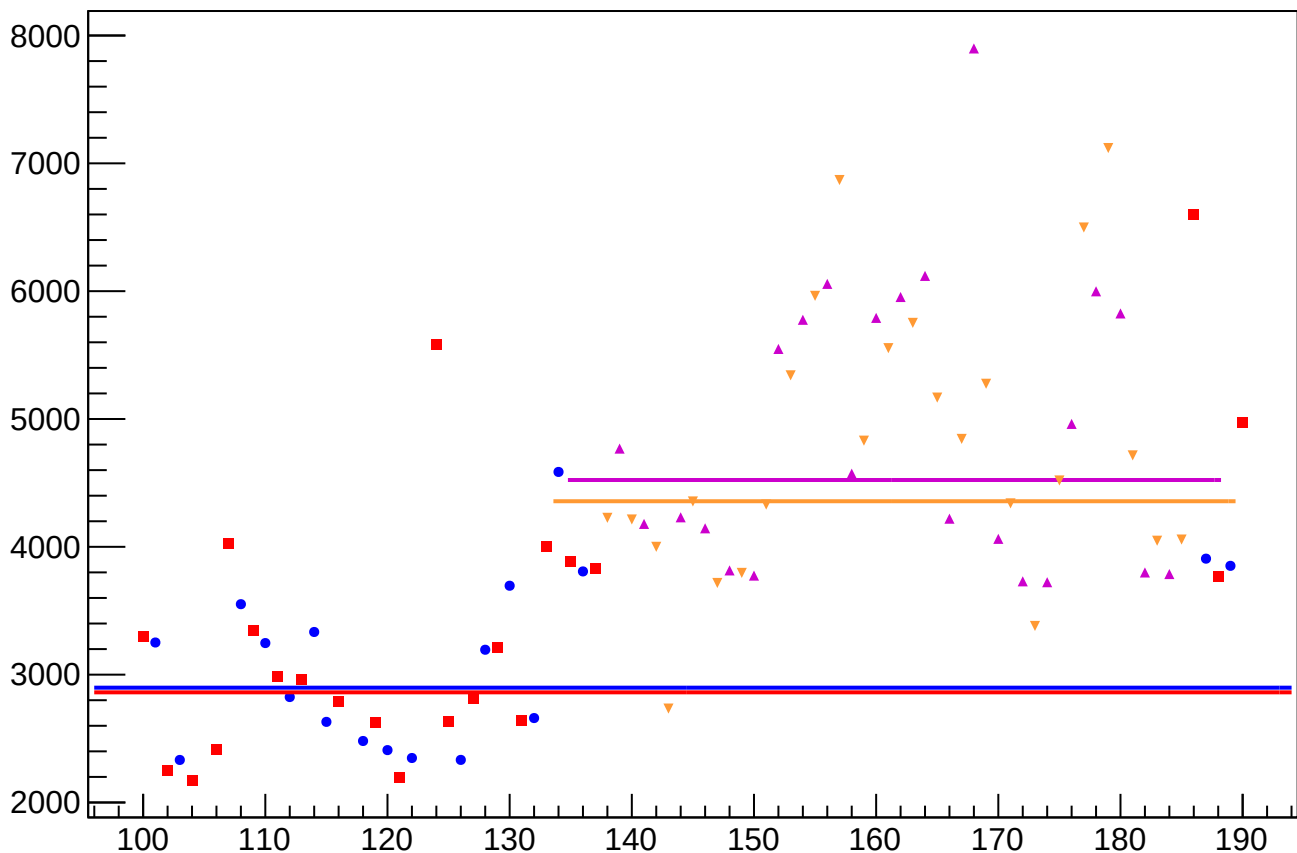
Left In: -261.050 $\pm$ 1081.402 χ^2 /NDF:13.6/22

+ sign 464.052 $\pm$ 733.096 χ^2 /NDF: 45.8/42

All: 67.351 $\pm$ 515.347 χ^2 /NDF: 86.2/87

- sign -320.208 $\pm$ 724.599 χ^2 /NDF: 39.9/44

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2898.147+/-0.744 χ^2/NDF : 636412.1/17

Left Out: 4356.643+/-0.722 χ^2/NDF : 1912322.9/24

Right Out: 2861.656+/-0.690 χ^2/NDF : 1135291.0/21

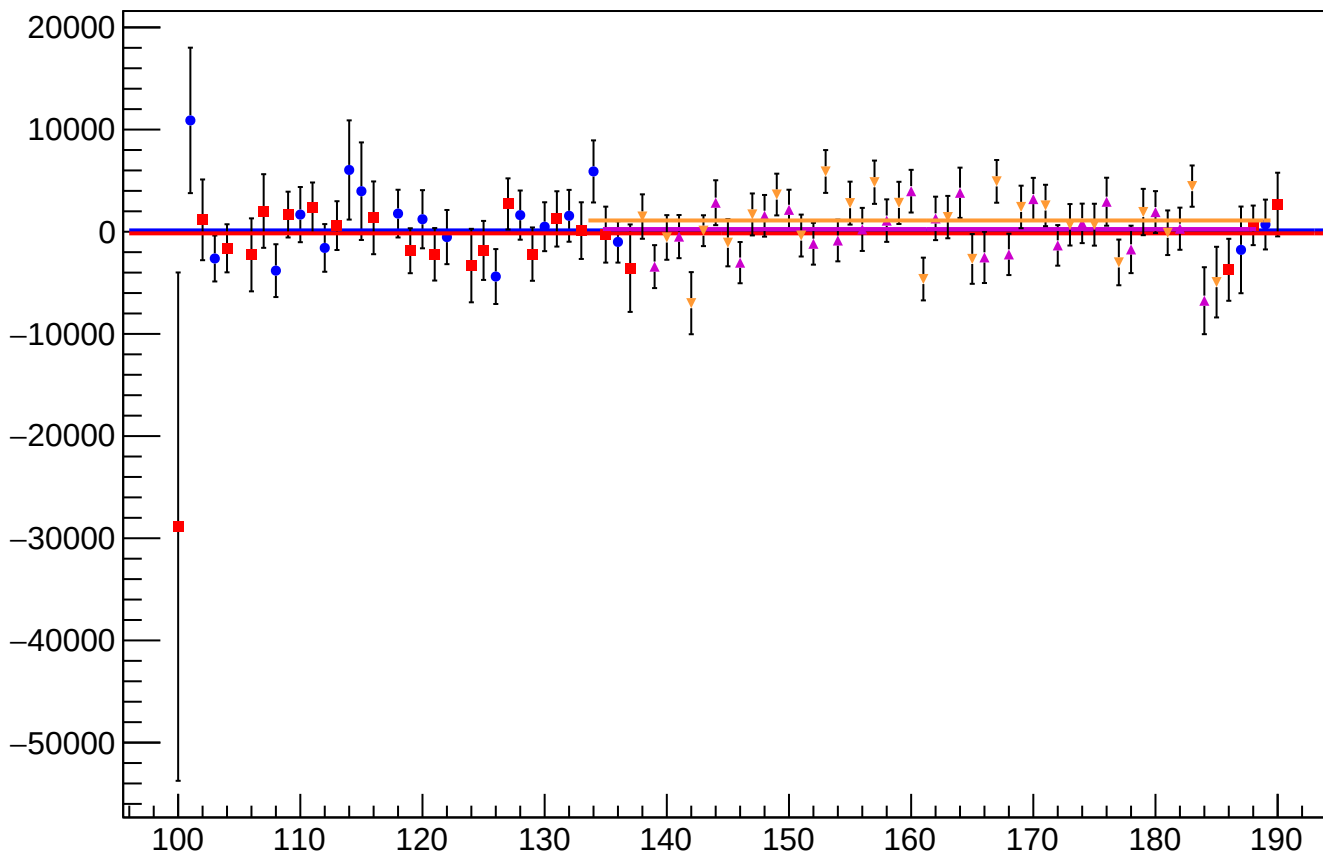
Left In: 4522.787+/-0.765 χ^2/NDF : 1434008.9/22

+ sign 3649.068+/-0.518 χ^2/NDF : 4526045.6/42

All: 3628.022+/-0.364 χ^2/NDF : 9698976.9/87

- sign 3607.460+/-0.512 χ^2/NDF : 5169672.4/44

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 129.754 $\pm$ 640.094 χ^2 /NDF: 17.5/17

Left Out: 1103.310 $\pm$ 425.321 χ^2 /NDF:44.8/24

Right Out: -157.623 $\pm$ 596.209 χ^2 /NDF: 12.1/21

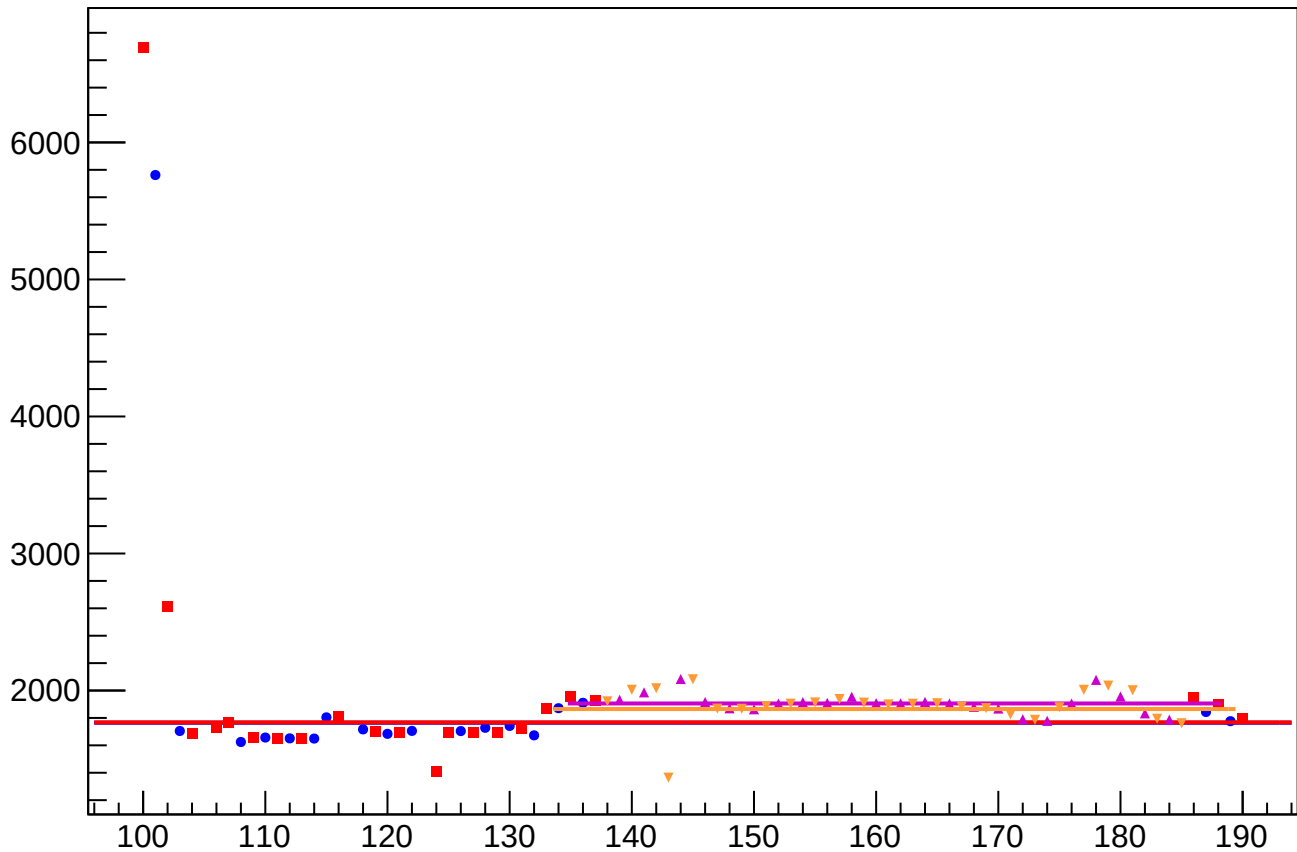
Left In: 264.609 $\pm$ 445.354 χ^2 /NDF:27.7/22

+ sign 805.124 $\pm$ 354.248 χ^2 /NDF: 63.9/42

All: 461.741 $\pm$ 251.388 χ^2 /NDF: 105.9/87

- sign 113.391 $\pm$ 356.800 χ^2 /NDF: 40.1/44

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1764.895 $\pm$ 0.453 χ^2 /NDF: 668464.2/17

Left Out: 1864.842 $\pm$ 0.301 χ^2 /NDF: 294715.4/24

Right Out: 1767.786 $\pm$ 0.421 χ^2 /NDF: 246583.7/21

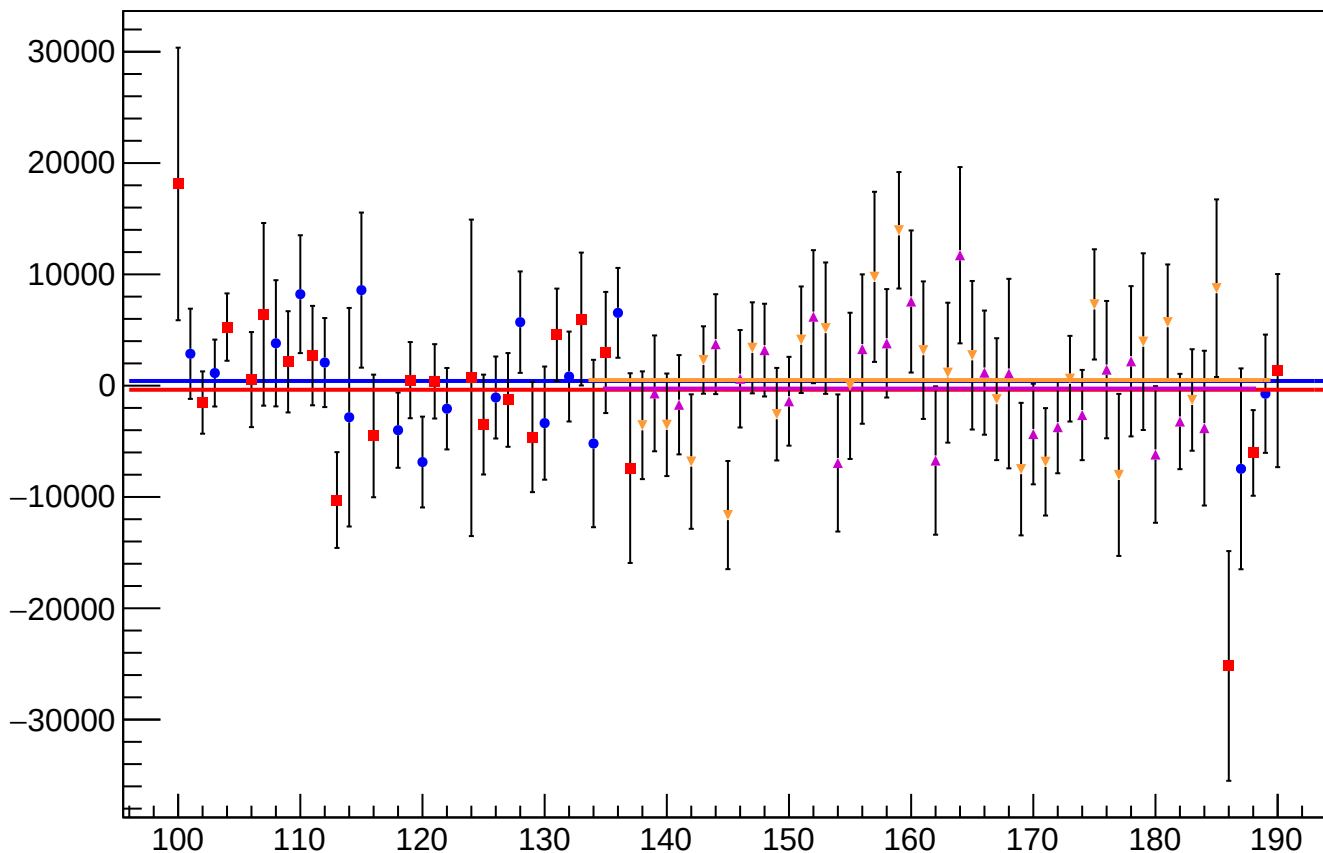
Left In: 1905.629 $\pm$ 0.315 χ^2 /NDF: 52783.9/22

+ sign 1834.230 $\pm$ 0.250 χ^2 /NDF: 997006.2/42

All: 1845.100 $\pm$ 0.178 χ^2 /NDF: 1368994.4/87

- sign 1856.110 $\pm$ 0.252 χ^2 /NDF: 368197.5/44

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: 421.377 $\pm$ 1052.510 χ^2 /NDF: 15.7/17

Left Out: 504.265 $\pm$ 1021.686 χ^2 /NDF:30.1/24

Right Out: -368.406 $\pm$ 976.137 χ^2 /NDF: 26.3/21

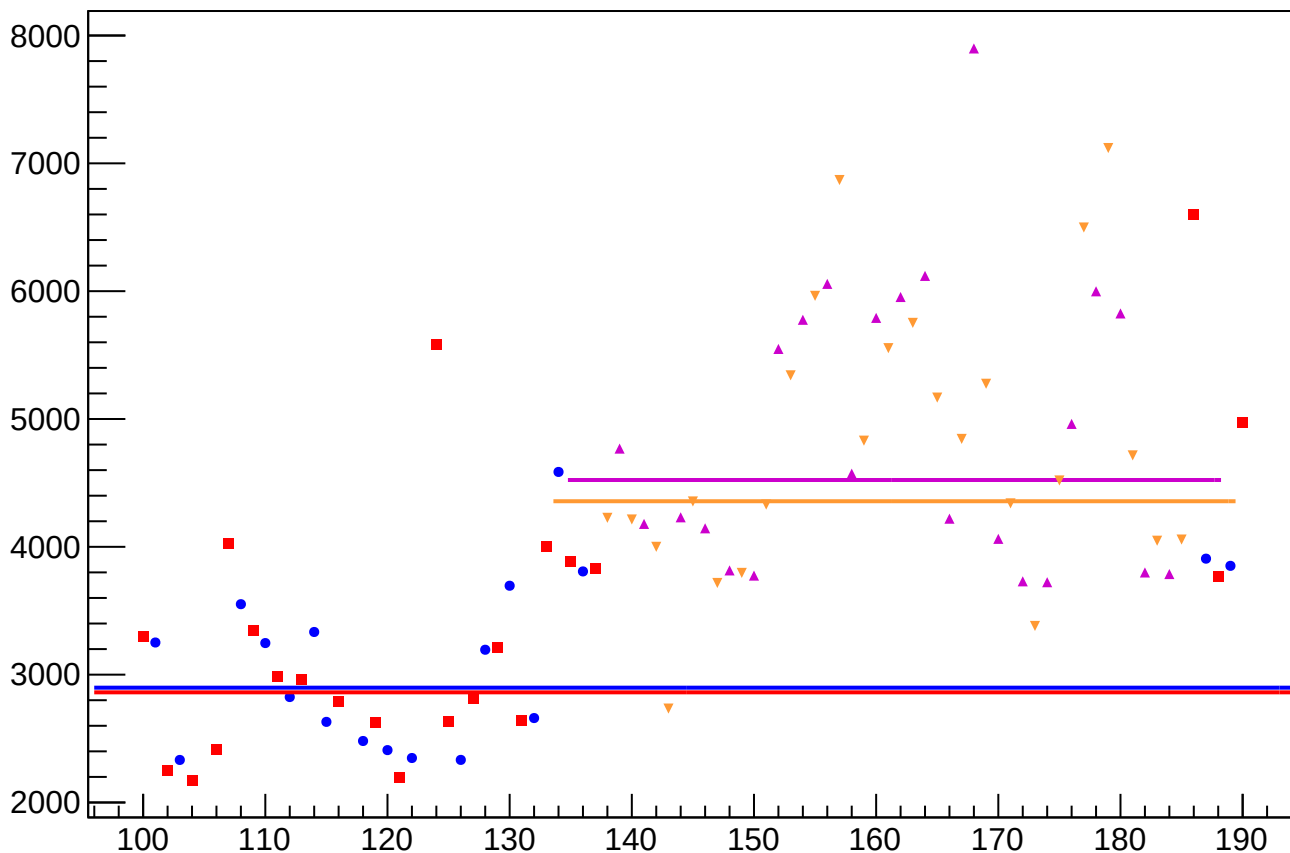
Left In: -261.051 $\pm$ 1081.404 χ^2 /NDF:13.6/22

+ sign 464.052 $\pm$ 733.096 χ^2 /NDF: 45.8/42

All: 67.351 $\pm$ 515.347 χ^2 /NDF: 86.2/87

- sign -320.207 $\pm$ 724.599 χ^2 /NDF: 39.9/44

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2898.139+/-0.744 χ^2/NDF : 636417.1/17

Left Out: 4356.650+/-0.722 χ^2/NDF : 1912327.4/24

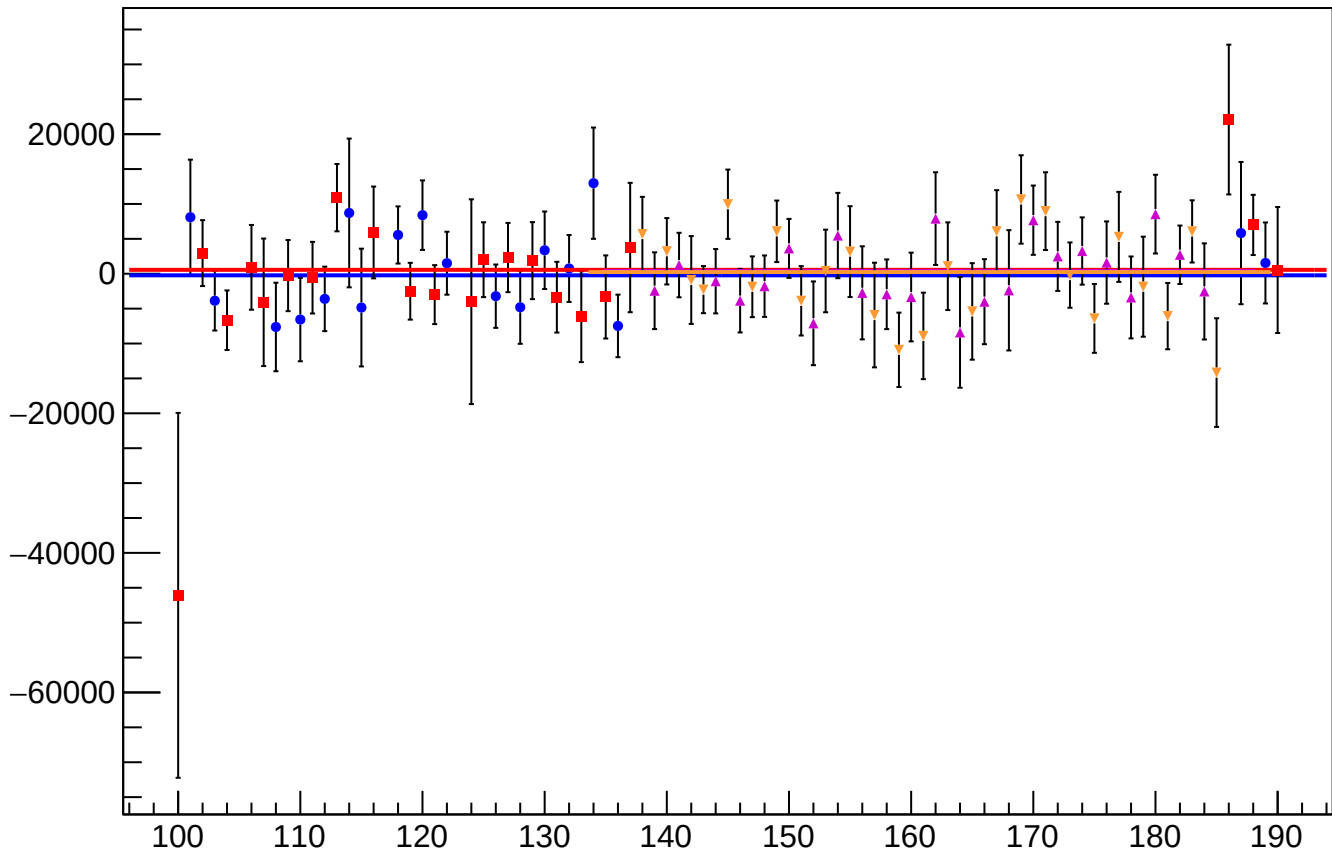
Right Out: 2861.651+/-0.690 χ^2/NDF : 1135291.0/21

Left In: 4522.795+/-0.765 χ^2/NDF : 1434009.9/22

+ sign 3649.065+/-0.518 χ^2/NDF : 4526096.1/42

All: 3628.019+/-0.364 χ^2/NDF : 9699069.4/87

- sign 3607.458+/-0.512 χ^2/NDF : 5169714.5/44



Right In: -227.781 ± 1283.549 $\chi^2/\text{NDF}: 18.4/17$

Left Out: 239.929 ± 1064.647 $\chi^2/\text{NDF}: 32.2/24$

Right Out: 558.714 ± 1204.614 $\chi^2/\text{NDF}: 22.0/21$

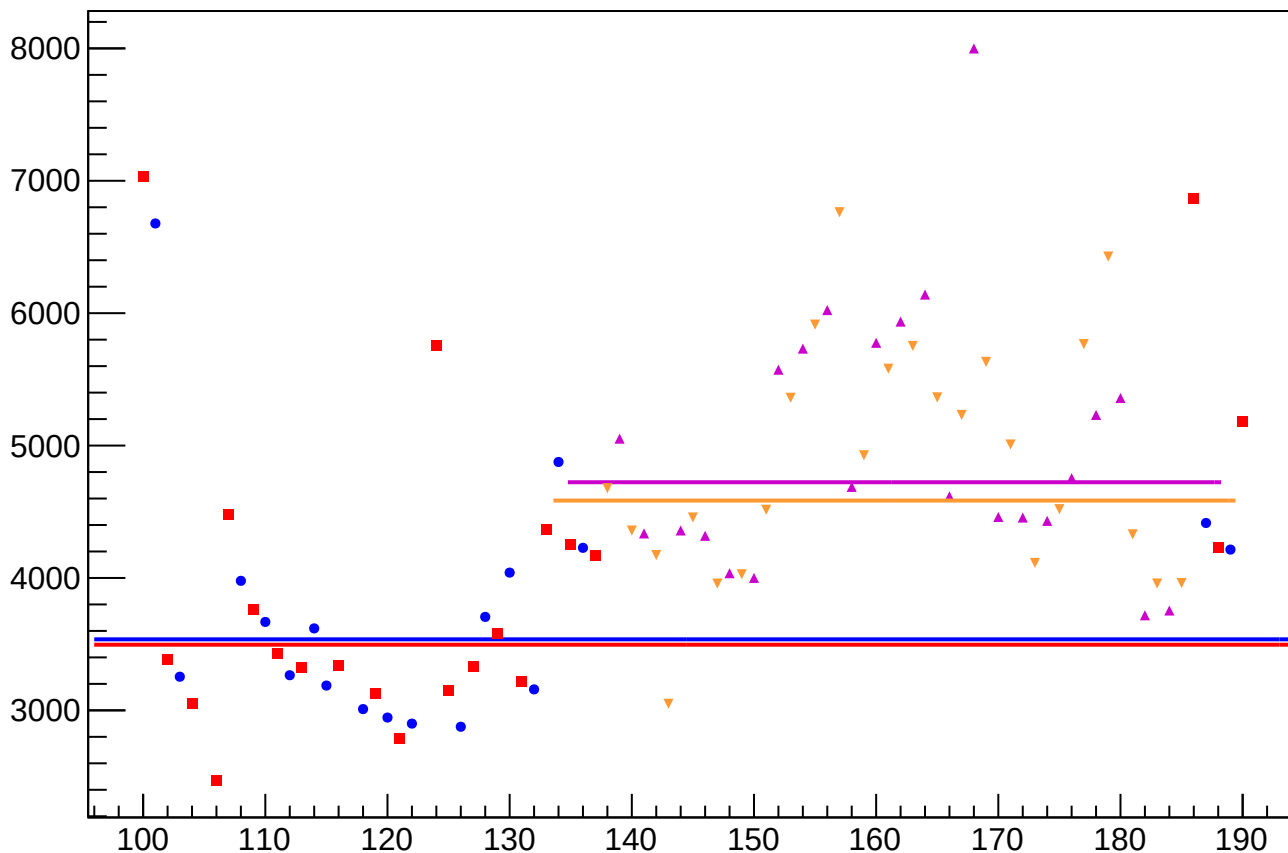
Left In: 397.881 ± 1121.323 $\chi^2/\text{NDF}: 14.2/22$

+ sign 49.299 ± 819.445 $\chi^2/\text{NDF}: 50.6/42$

All: 260.582 ± 579.900 $\chi^2/\text{NDF}: 87.0/87$

- sign 472.546 ± 820.762 $\chi^2/\text{NDF}: 36.2/44$

asym_atr1l2_dd_rms vs Slug



Right In: 3536.527 $\pm$ 0.908 χ^2 /NDF: 640827.4/17

Left Out: 4584.664 $\pm$ 0.753 χ^2 /NDF: 1311720.7/24

Right Out: 3495.827 $\pm$ 0.841 χ^2 /NDF: 726719.7/21

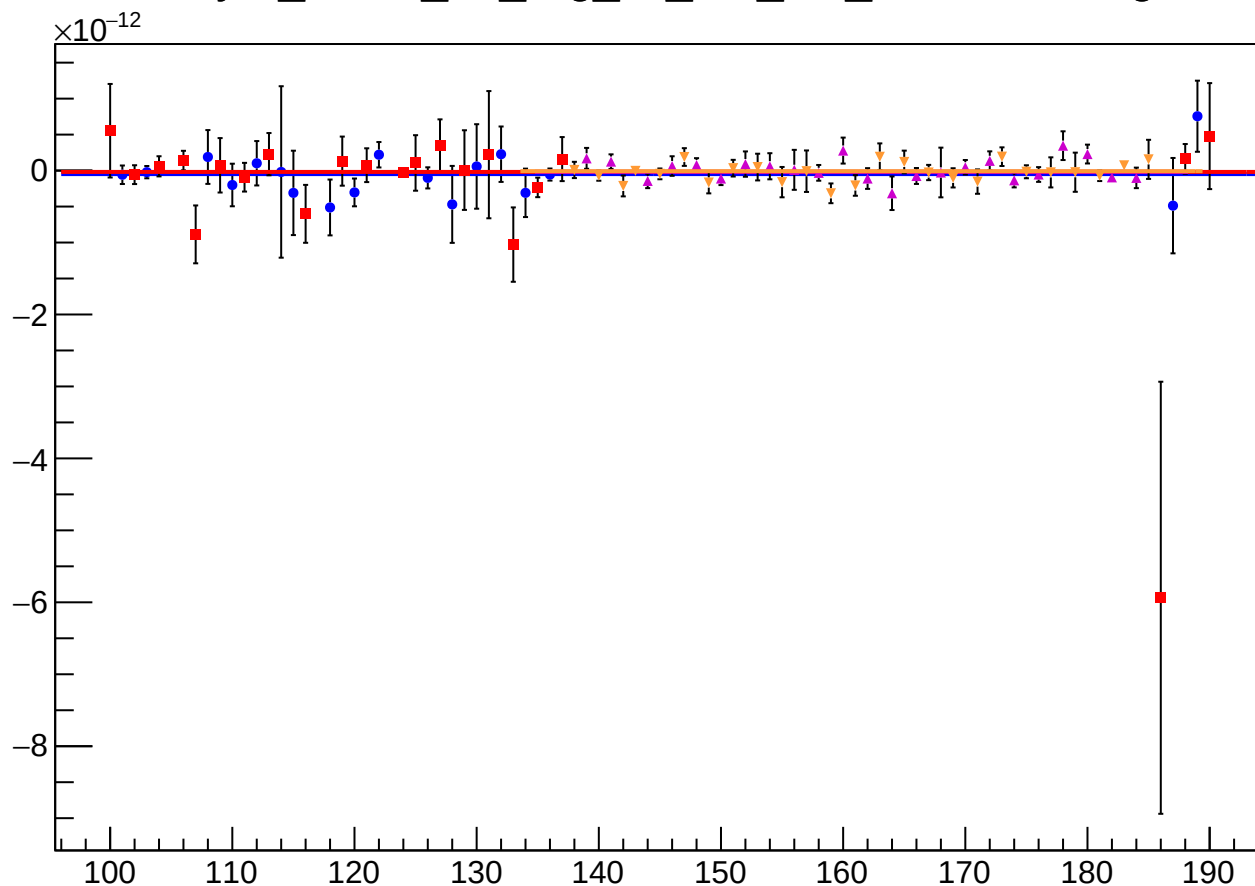
Left In: 4723.014 $\pm$ 0.793 χ^2 /NDF: 1016613.0/22

+ sign 4157.462 $\pm$ 0.579 χ^2 /NDF: 2742626.0/42

All: 4151.531 $\pm$ 0.409 χ^2 /NDF: 5613180.8/87

- sign 4145.650 $\pm$ 0.577 χ^2 /NDF: 2870346.1/44

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.7/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 23.5/21

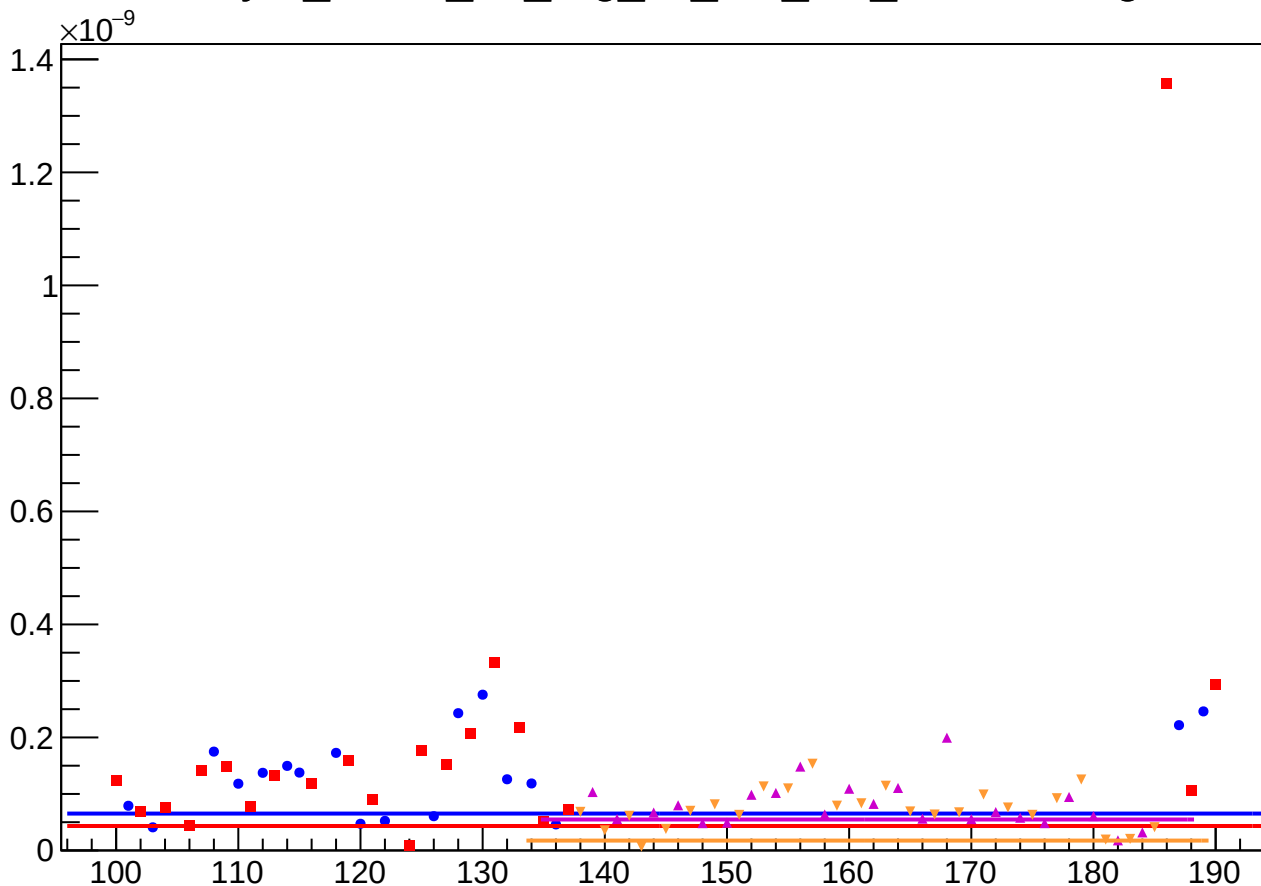
Left In: -0.000 ± 0.000 χ^2/NDF : 26.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 35.2/42

All: -0.000 ± 0.000 χ^2/NDF : 84.8/87

- sign -0.000 ± 0.000 χ^2/NDF : 49.5/44

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1816134.4/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:8870606.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3982049.6/21

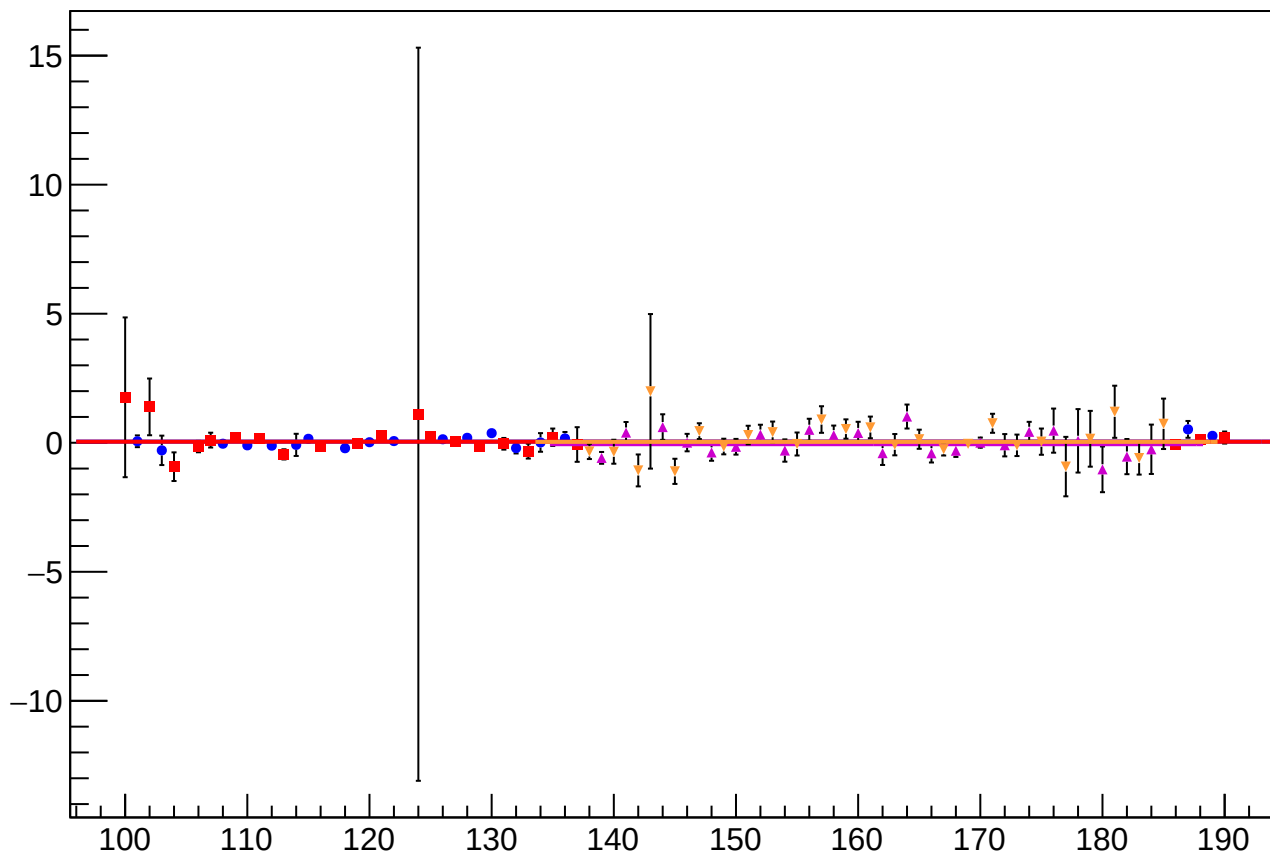
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2798764.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12882840.9/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 23511583.0/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6927604.1/44

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.046 χ^2 /NDF: 16.2/17

Left Out: 0.034 $\pm$ 0.078 χ^2 /NDF:30.5/24

Right Out: 0.041 $\pm$ 0.038 χ^2 /NDF: 24.3/21

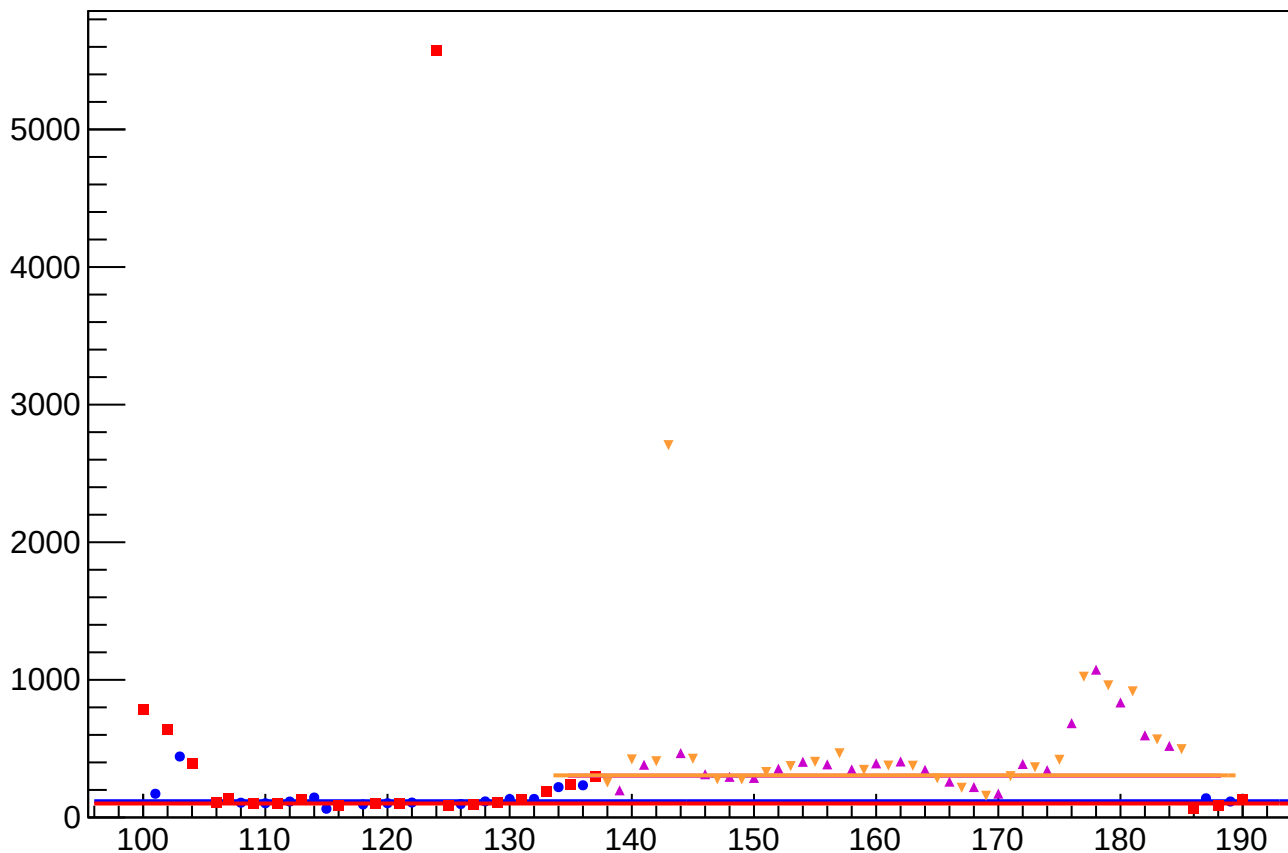
Left In: -0.056 $\pm$ 0.077 χ^2 /NDF:26.1/22

+ sign 0.042 $\pm$ 0.039 χ^2 /NDF: 46.6/42

All: 0.030 $\pm$ 0.026 χ^2 /NDF: 98.4/87

- sign 0.022 $\pm$ 0.034 χ^2 /NDF: 51.7/44

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.942 $\pm$ 0.032 χ^2 /NDF: 1731222.7/17

Left Out: 305.950 $\pm$ 0.055 χ^2 /NDF:6634928.0/24

Right Out: 101.490 $\pm$ 0.027 χ^2 /NDF: 2642901.9/21

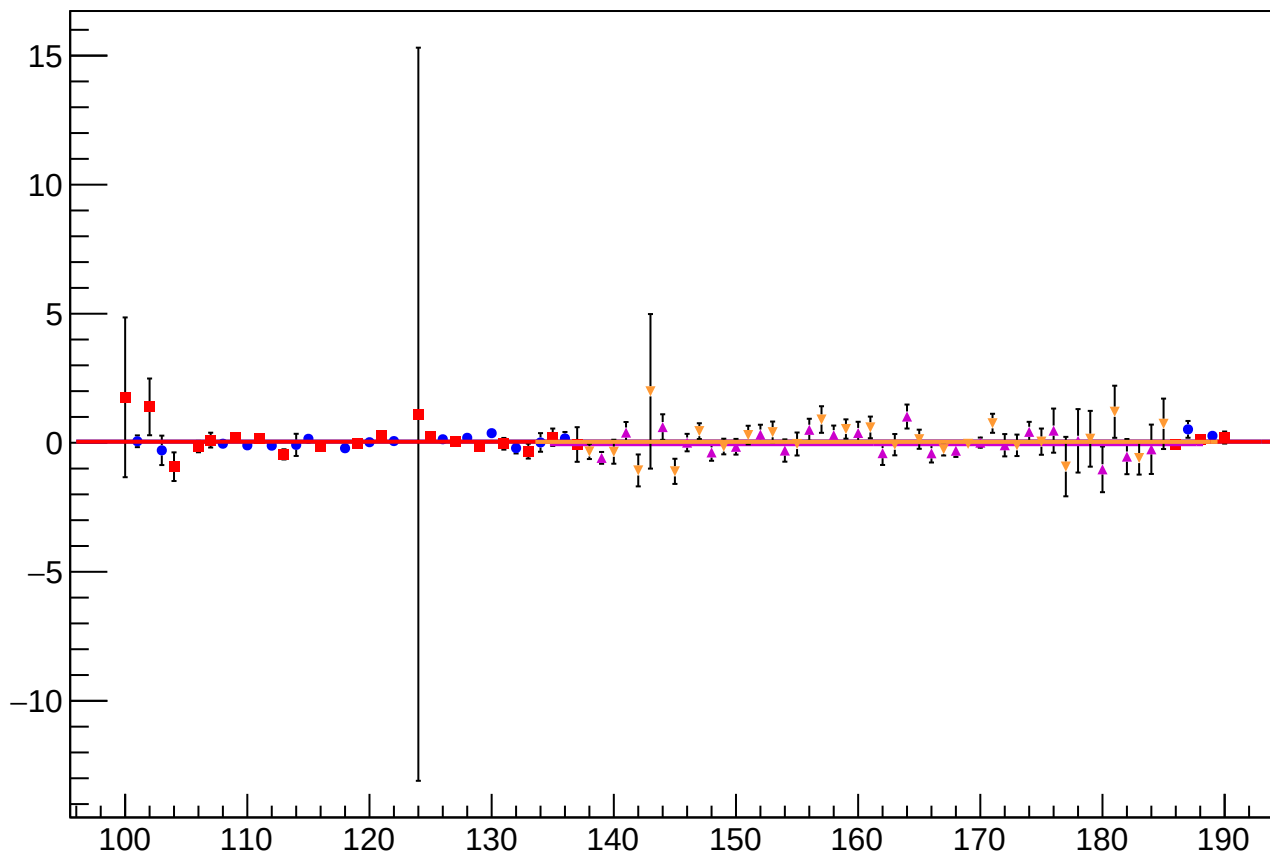
Left In: 303.278 $\pm$ 0.055 χ^2 /NDF:4813442.3/22

+ sign 165.771 $\pm$ 0.028 χ^2 /NDF: 17043812.3/42

All: 152.052 $\pm$ 0.018 χ^2 /NDF: 35853972.3/87

- sign 141.525 $\pm$ 0.024 χ^2 /NDF: 18379639.8/44

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.046 χ^2 /NDF: 16.2/17

Left Out: 0.034 $\pm$ 0.078 χ^2 /NDF:30.5/24

Right Out: 0.041 $\pm$ 0.038 χ^2 /NDF: 24.3/21

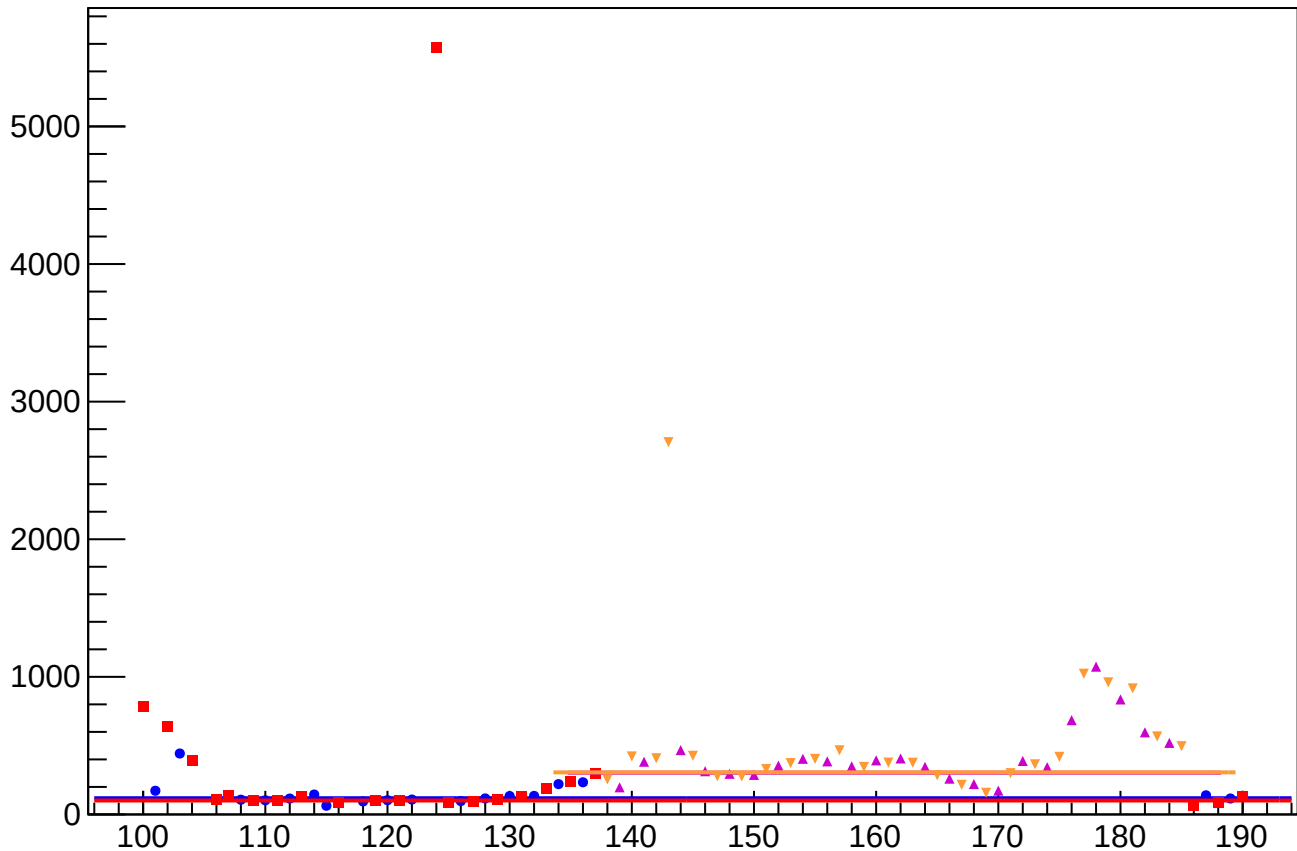
Left In: -0.056 $\pm$ 0.077 χ^2 /NDF:26.1/22

+ sign 0.042 $\pm$ 0.039 χ^2 /NDF: 46.6/42

All: 0.030 $\pm$ 0.026 χ^2 /NDF: 98.4/87

- sign 0.022 $\pm$ 0.034 χ^2 /NDF: 51.7/44

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.942+/-0.032 χ^2/NDF : 1731222.7/17

Left Out: 305.950+/-0.055 χ^2/NDF : 6634928.0/24

Right Out: 101.490+/-0.027 χ^2/NDF : 2642901.9/21

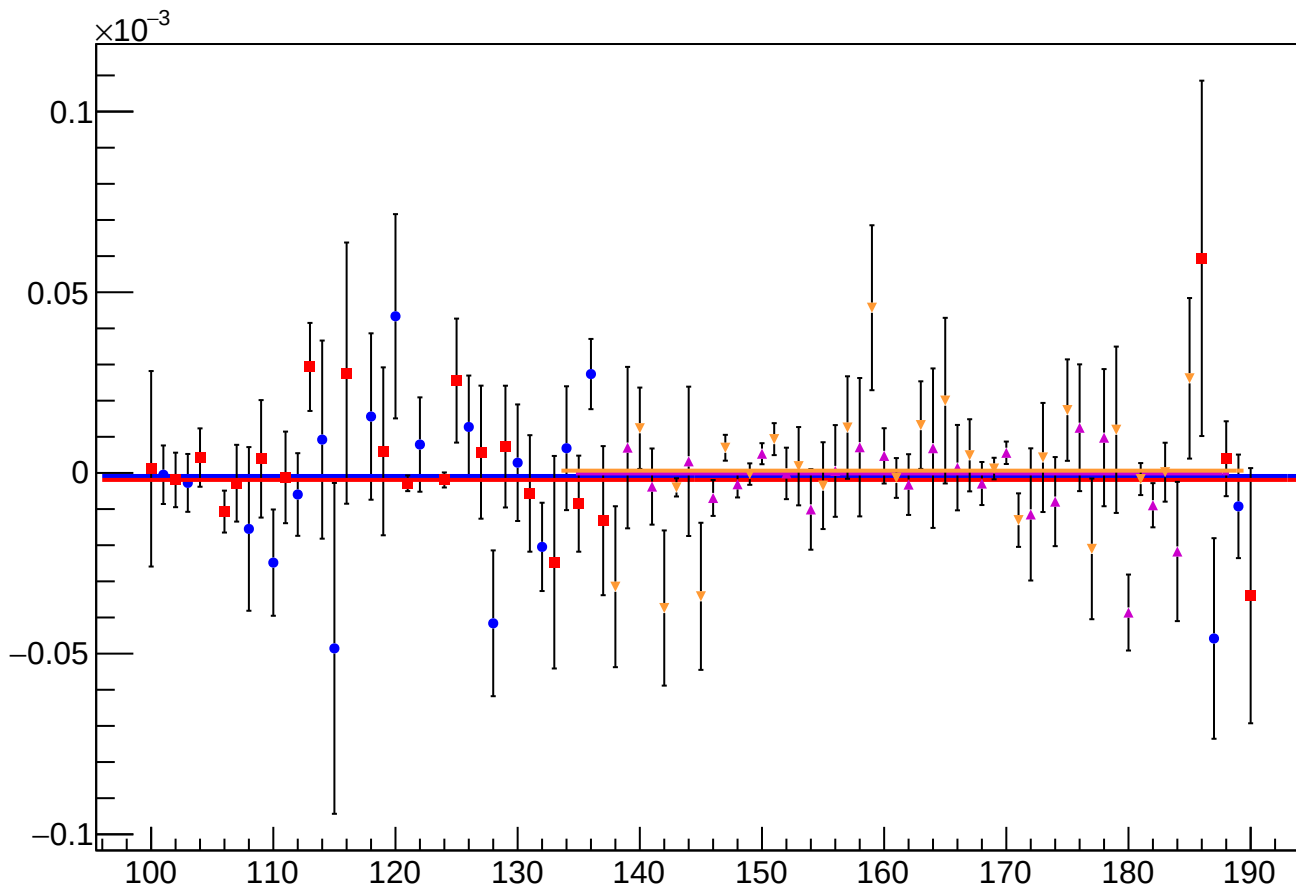
Left In: 303.278+/-0.055 χ^2/NDF : 4813442.3/22

+ sign 165.771+/-0.028 χ^2/NDF : 17043812.3/42

All: 152.052+/-0.018 χ^2/NDF : 35853972.3/87

- sign 141.525+/-0.024 χ^2/NDF : 18379639.8/44

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.2/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 34.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 17.5/21

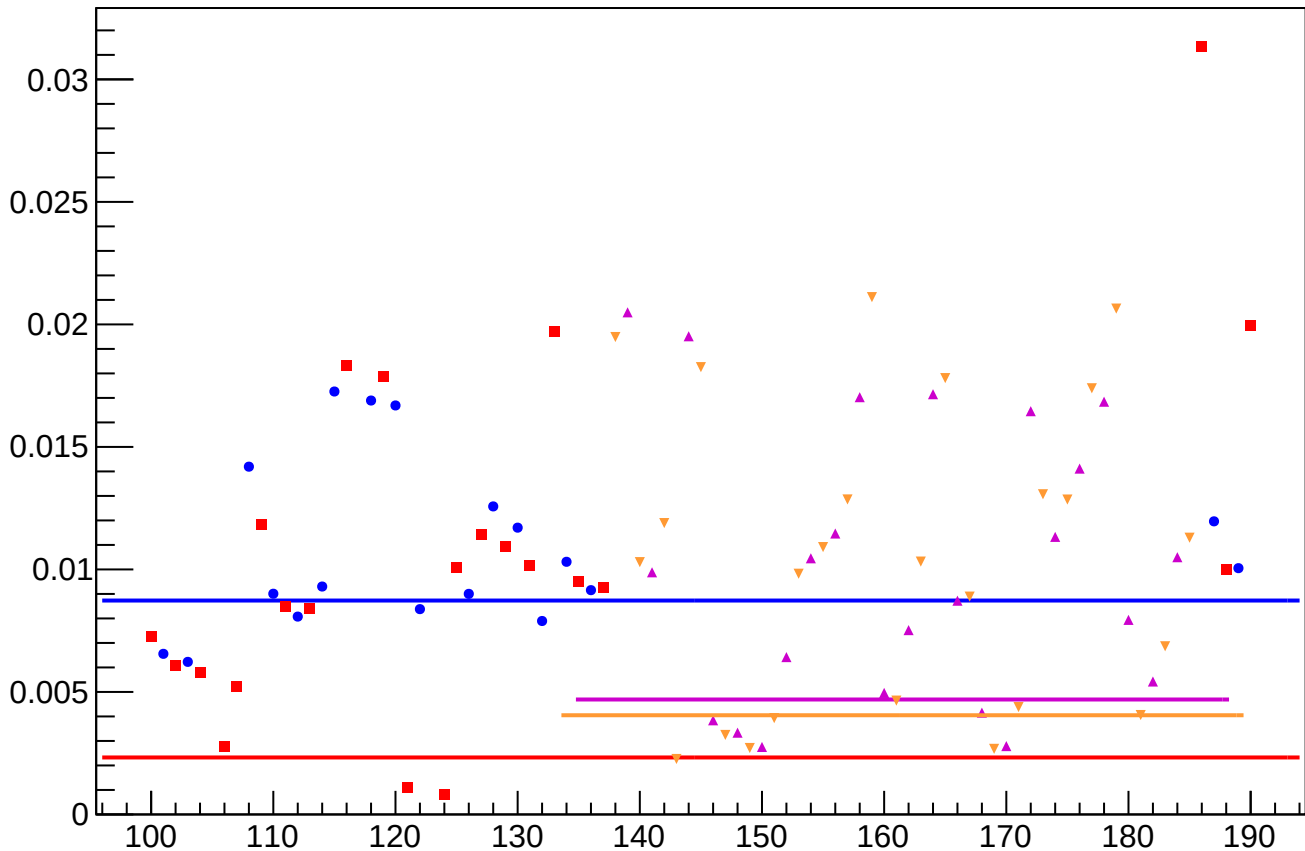
Left In: -0.000 ± 0.000 χ^2/NDF : 29.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 62.0/42

All: -0.000 ± 0.000 χ^2/NDF : 111.3/87

- sign -0.000 ± 0.000 χ^2/NDF : 48.2/44

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1160964.7/17

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:13552895.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 11415189.9/21

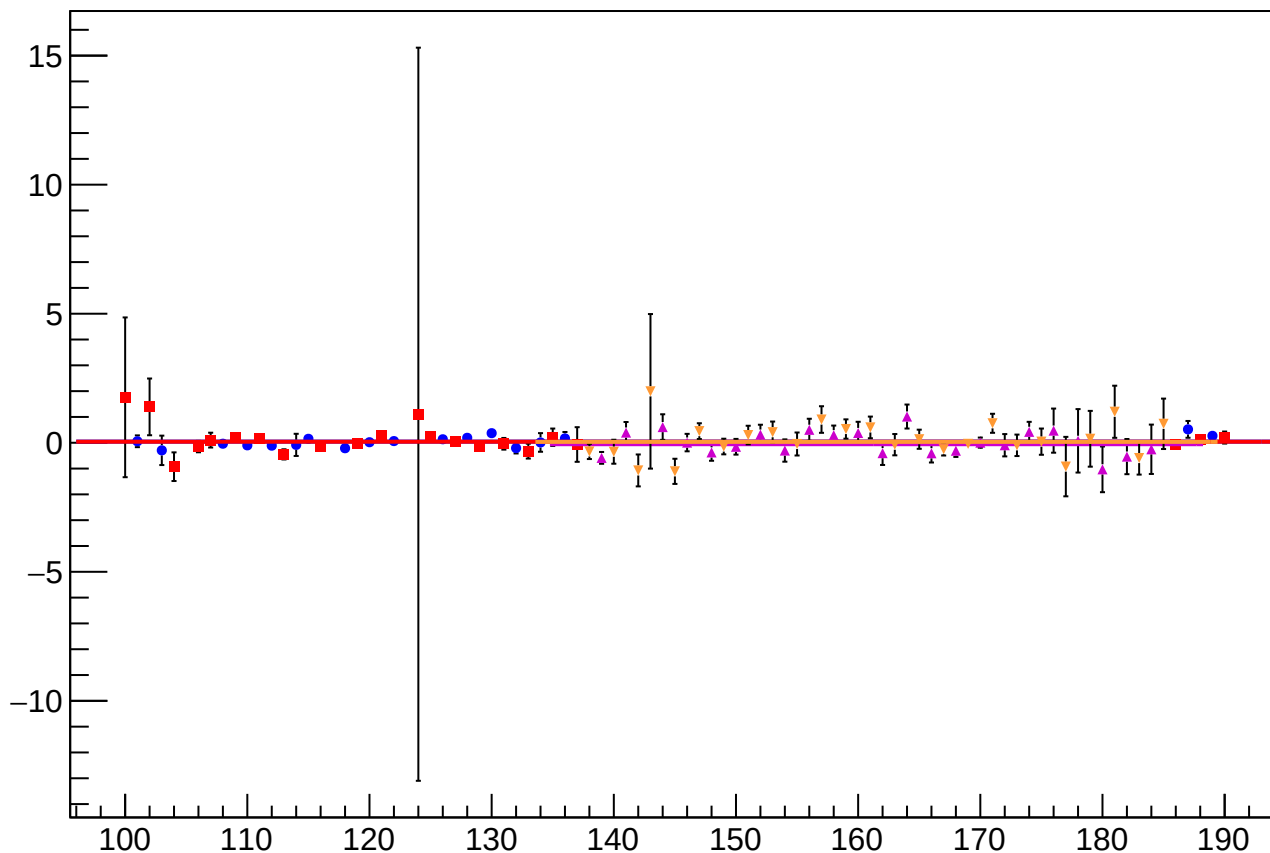
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:10859759.8/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 18347795.3/42

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 44864684.8/87

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 25286804.4/44

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.046 χ^2 /NDF: 16.2/17

Left Out: 0.034 $\pm$ 0.078 χ^2 /NDF:30.5/24

Right Out: 0.041 $\pm$ 0.038 χ^2 /NDF: 24.3/21

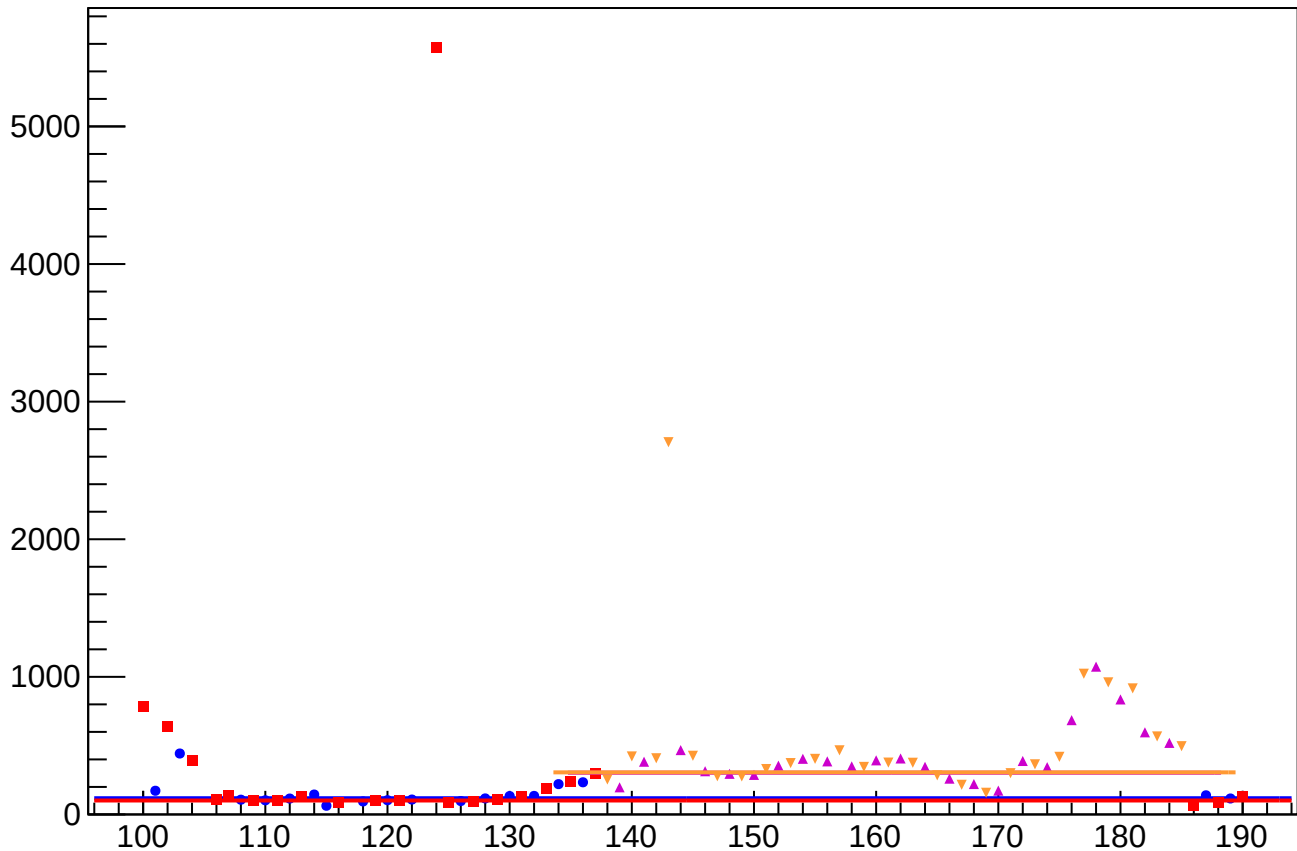
Left In: -0.056 $\pm$ 0.077 χ^2 /NDF:26.0/22

+ sign 0.042 $\pm$ 0.039 χ^2 /NDF: 46.6/42

All: 0.030 $\pm$ 0.026 χ^2 /NDF: 98.4/87

- sign 0.022 $\pm$ 0.034 χ^2 /NDF: 51.7/44

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 117.943+/-0.032 χ^2/NDF : 1731187.7/17

Left Out: 305.951+/-0.055 χ^2/NDF : 6634999.6/24

Right Out: 101.491+/-0.027 χ^2/NDF : 2642750.4/21

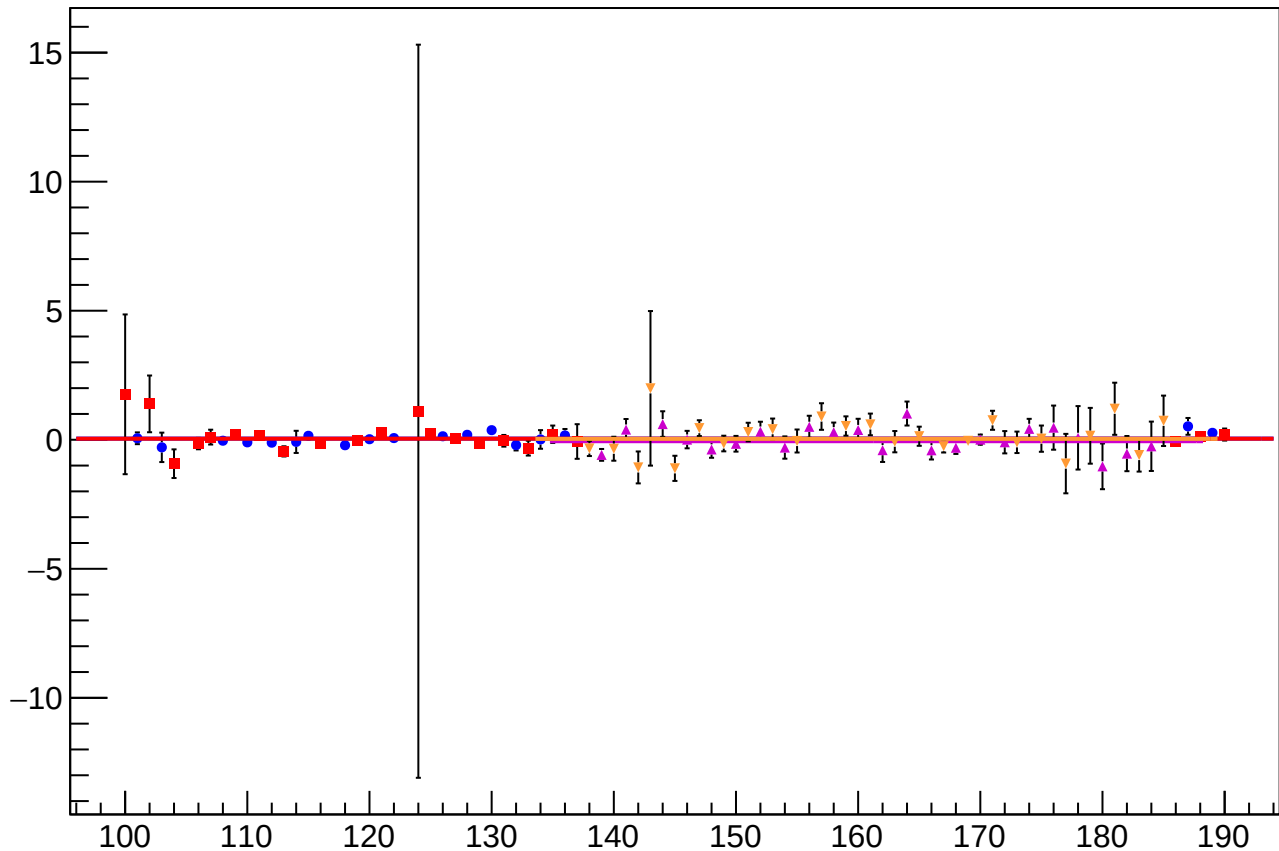
Left In: 303.281+/-0.055 χ^2/NDF : 4813426.5/22

+ sign 165.771+/-0.028 χ^2/NDF : 17043889.7/42

All: 152.052+/-0.018 χ^2/NDF : 35853889.7/87

- sign 141.526+/-0.024 χ^2/NDF : 18379503.3/44

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 $\pm$ 0.046 χ^2 /NDF: 16.2/17

Left Out: 0.034 $\pm$ 0.078 χ^2 /NDF:30.5/24

Right Out: 0.041 $\pm$ 0.038 χ^2 /NDF: 24.3/21

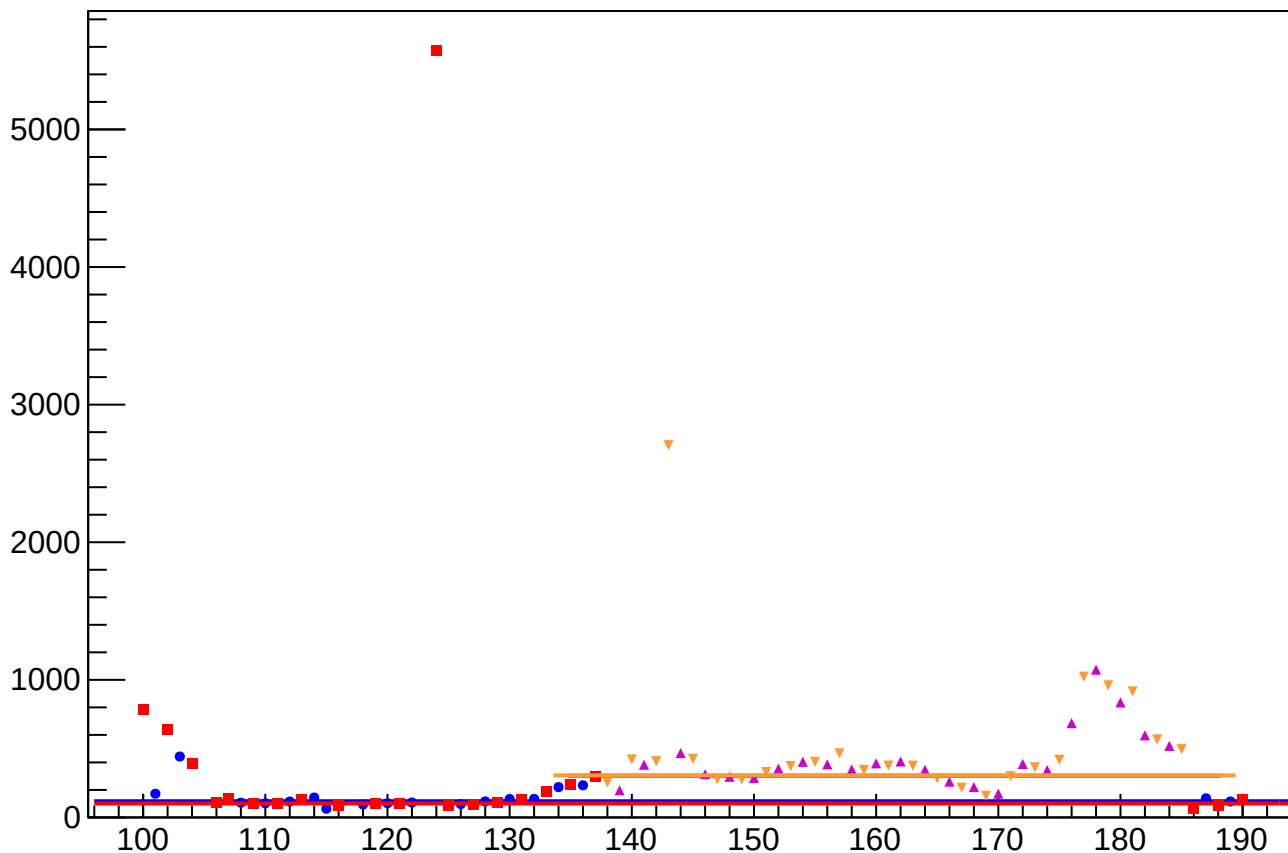
Left In: -0.056 $\pm$ 0.077 χ^2 /NDF:26.0/22

+ sign 0.042 $\pm$ 0.039 χ^2 /NDF: 46.6/42

All: 0.030 $\pm$ 0.026 χ^2 /NDF: 98.4/87

- sign 0.022 $\pm$ 0.034 χ^2 /NDF: 51.7/44

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 117.943+/-0.032 χ^2/NDF : 1731187.7/17

Left Out: 305.951+/-0.055 χ^2/NDF : 6634999.6/24

Right Out: 101.491+/-0.027 χ^2/NDF : 2642750.4/21

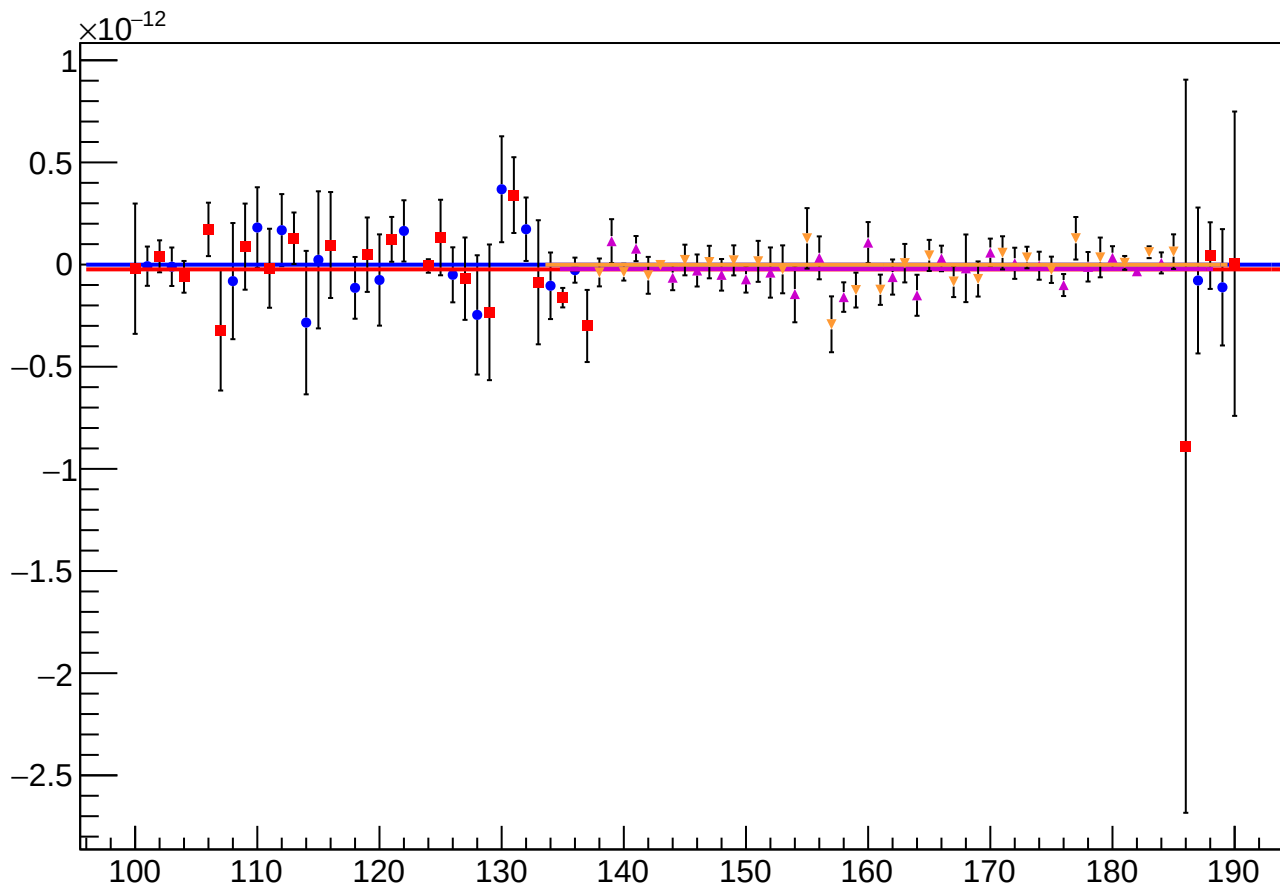
Left In: 303.281+/-0.055 χ^2/NDF : 4813426.5/22

+ sign 165.771+/-0.028 χ^2/NDF : 17043889.7/42

All: 152.052+/-0.018 χ^2/NDF : 35853889.7/87

- sign 141.526+/-0.024 χ^2/NDF : 18379503.3/44

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 9.3/17

Left Out: -0.000+/-0.000 χ^2/NDF : 22.0/24

Right Out: -0.000+/-0.000 χ^2/NDF : 24.6/21

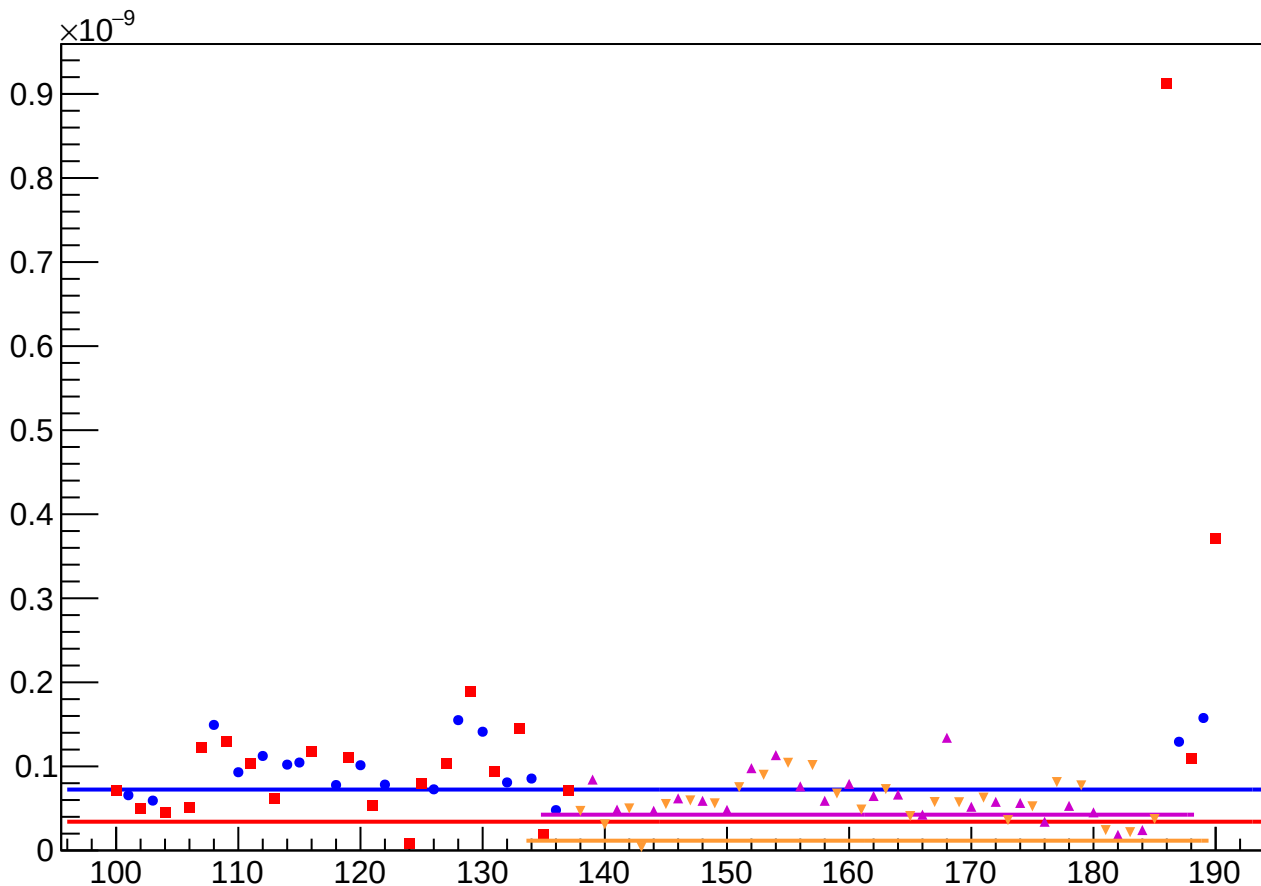
Left In: -0.000+/-0.000 χ^2/NDF : 19.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 31.3/42

All: -0.000+/-0.000 χ^2/NDF : 78.4/87

- sign -0.000+/-0.000 χ^2/NDF : 44.2/44

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 $\chi^2/\text{NDF}: 1258445.7/17$

Left Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 17863822.5/24$

Right Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 5777019.2/21$

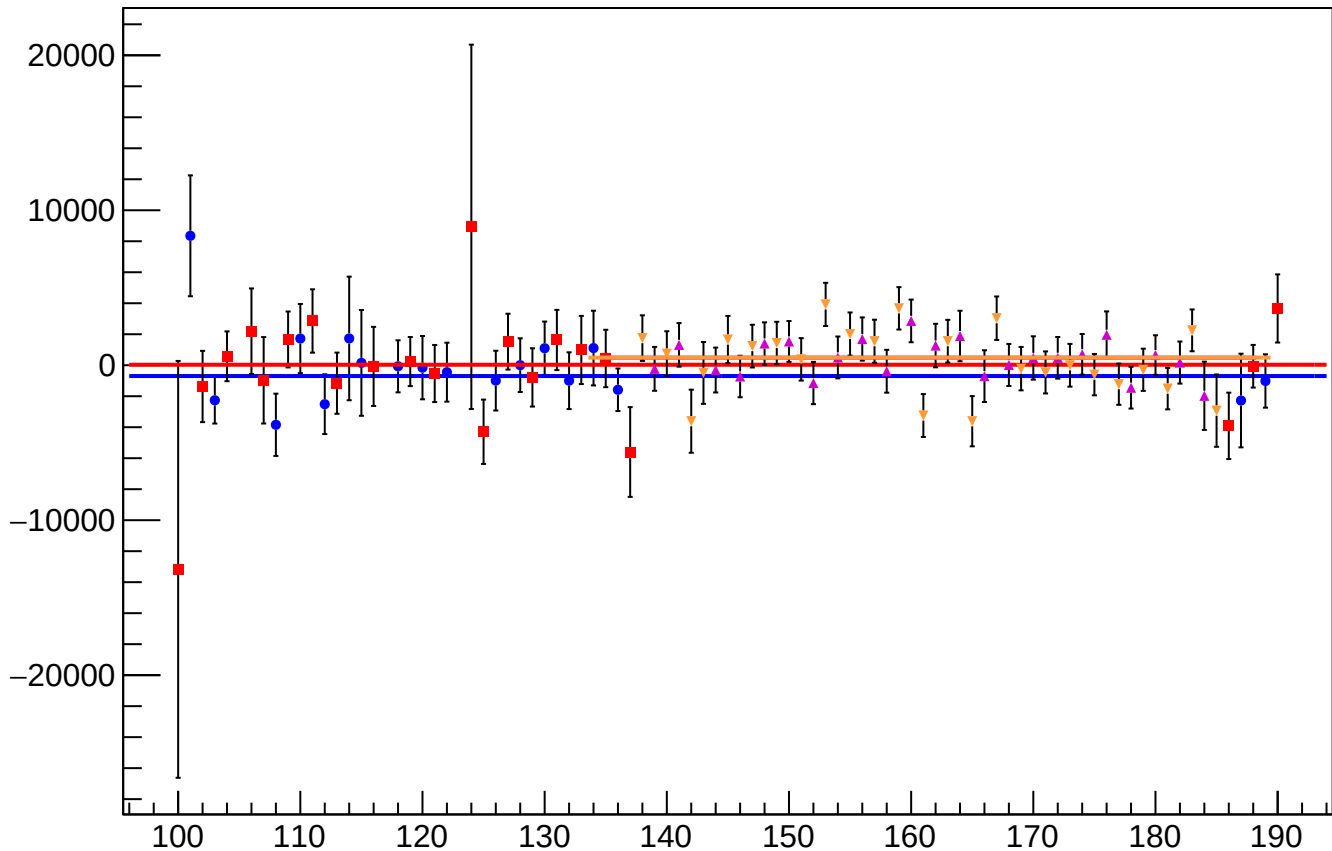
Left In: 0.000+/-0.000 $\chi^2/\text{NDF}: 5419961.9/22$

+ sign 0.000+/-0.000 $\chi^2/\text{NDF}: 25324658.2/42$

All: 0.000+/-0.000 $\chi^2/\text{NDF}: 45723241.3/87$

- sign 0.000+/-0.000 $\chi^2/\text{NDF}: 11417635.3/44$

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -698.032 ± 464.513 χ^2/NDF : 14.2/17

Left Out: 492.062 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 30.143 ± 440.413 χ^2/NDF : 22.0/21

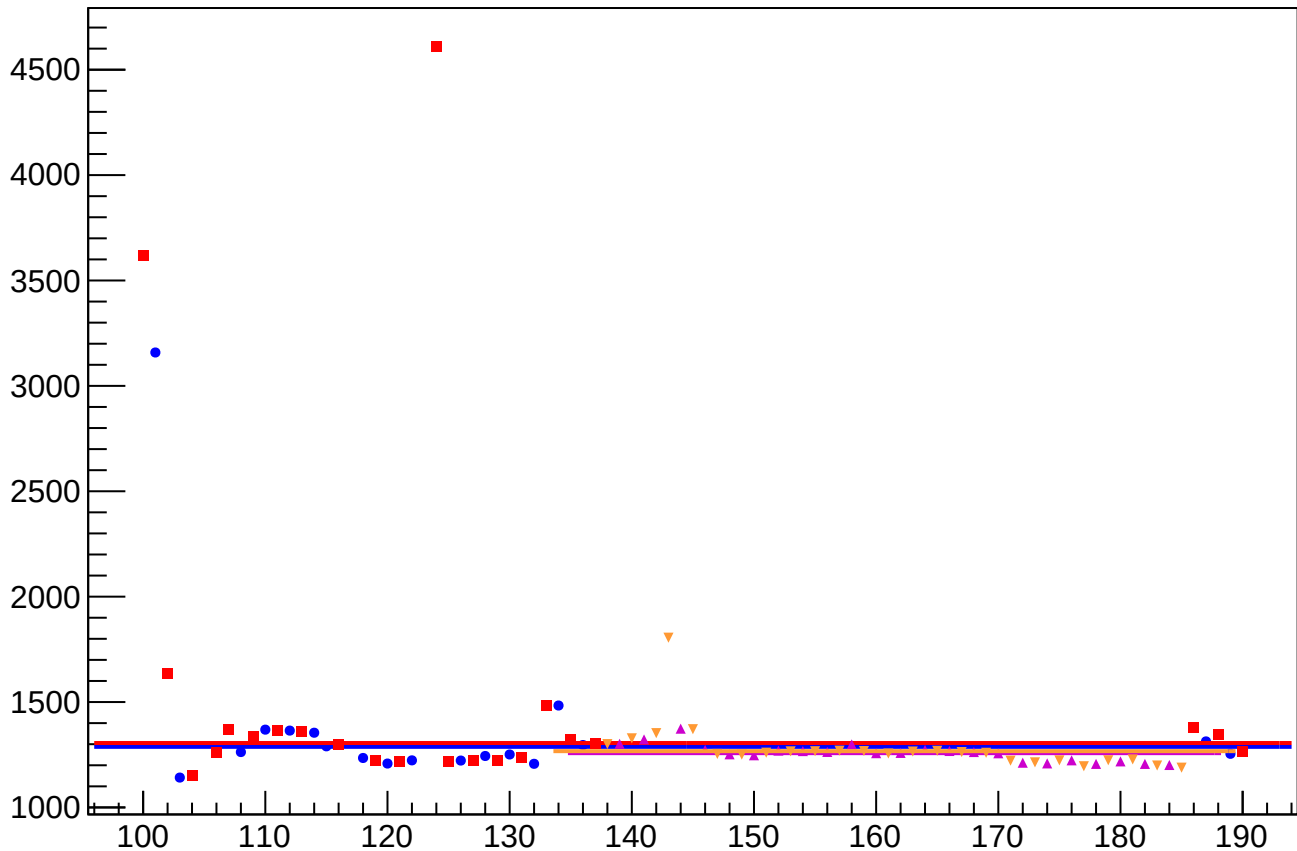
Left In: 486.821 ± 293.769 χ^2/NDF : 14.4/22

+ sign 160.790 ± 245.075 χ^2/NDF : 65.9/42

All: 253.754 ± 173.051 χ^2/NDF : 103.3/87

- sign 346.199 ± 244.389 χ^2/NDF : 37.2/44

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF : 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF : 187545.6/24

Right Out: 1305.601+/-0.311 χ^2/NDF : 324540.5/21

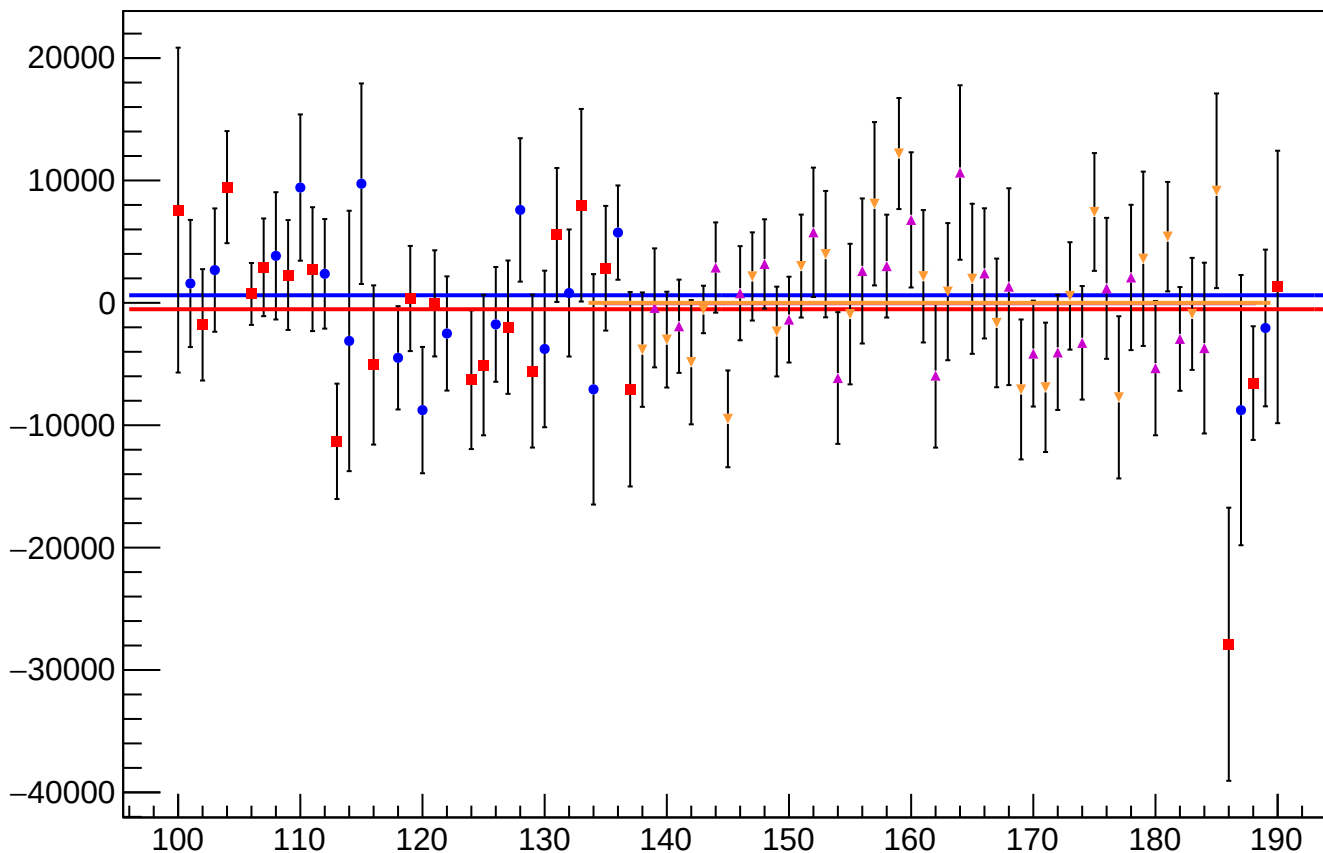
Left In: 1257.551+/-0.208 χ^2/NDF : 36816.4/22

+ sign 1272.677+/-0.173 χ^2/NDF : 705950.0/42

All: 1272.533+/-0.122 χ^2/NDF : 1083832.8/87

- sign 1272.391+/-0.173 χ^2/NDF : 377881.4/44

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug



Right In: 620.492 $\pm$ 1288.899 χ^2 /NDF: 15.0/17

Left Out: -0.604 $\pm$ 886.488 χ^2 /NDF:29.1/24

Right Out: -521.331 $\pm$ 1070.574 χ^2 /NDF: 26.4/21

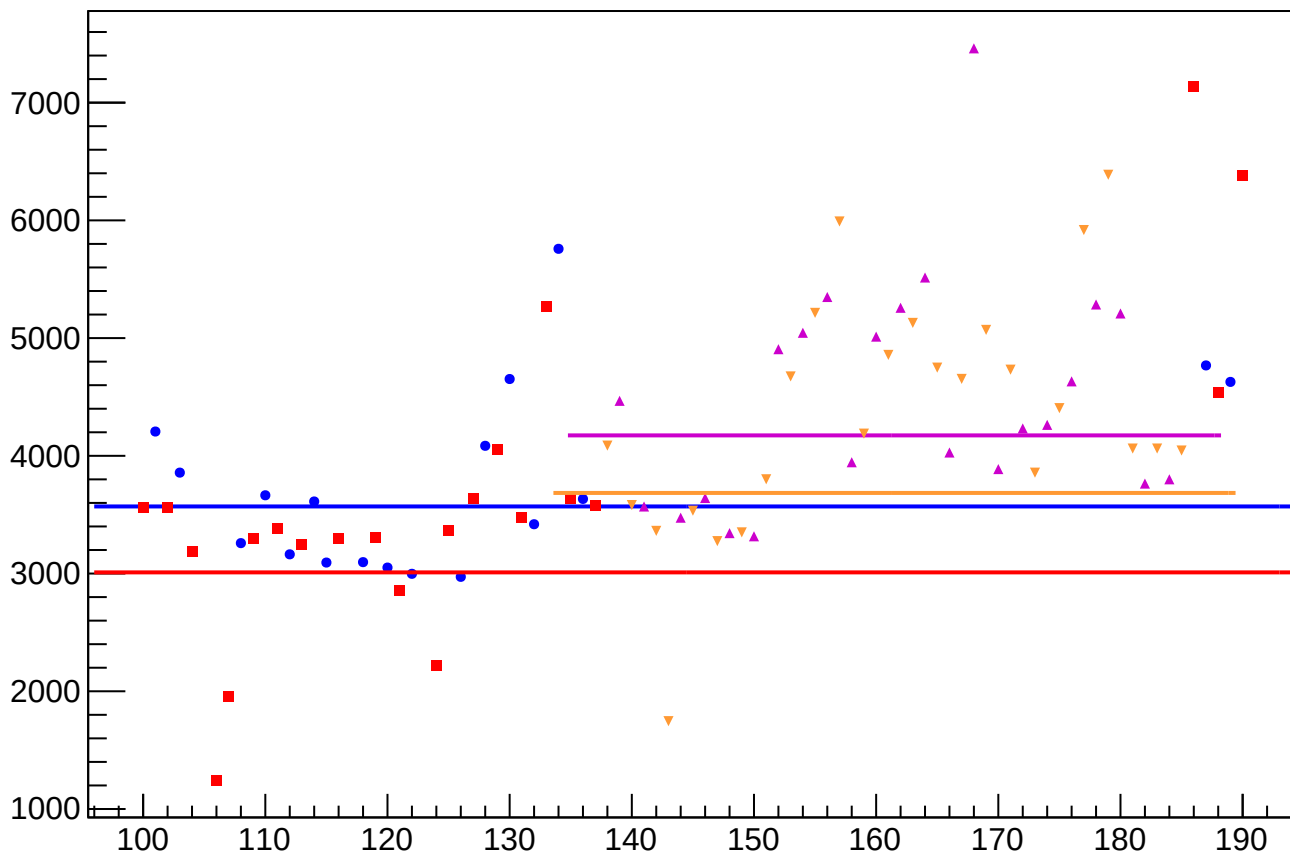
Left In: -31.593 $\pm$ 995.348 χ^2 /NDF:14.0/22

+ sign 198.853 $\pm$ 730.405 χ^2 /NDF: 44.2/42

All: -30.353 $\pm$ 515.964 χ^2 /NDF: 84.9/87

- sign -258.653 $\pm$ 728.962 χ^2 /NDF: 40.6/44

asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug



Right In: 3569.977 $\pm$ 0.911 χ^2 /NDF: 436578.6/17

Left Out: 3684.769 $\pm$ 0.627 χ^2 /NDF: 3693646.6/24

Right Out: 3009.926 $\pm$ 0.757 χ^2 /NDF: 2216475.4/21

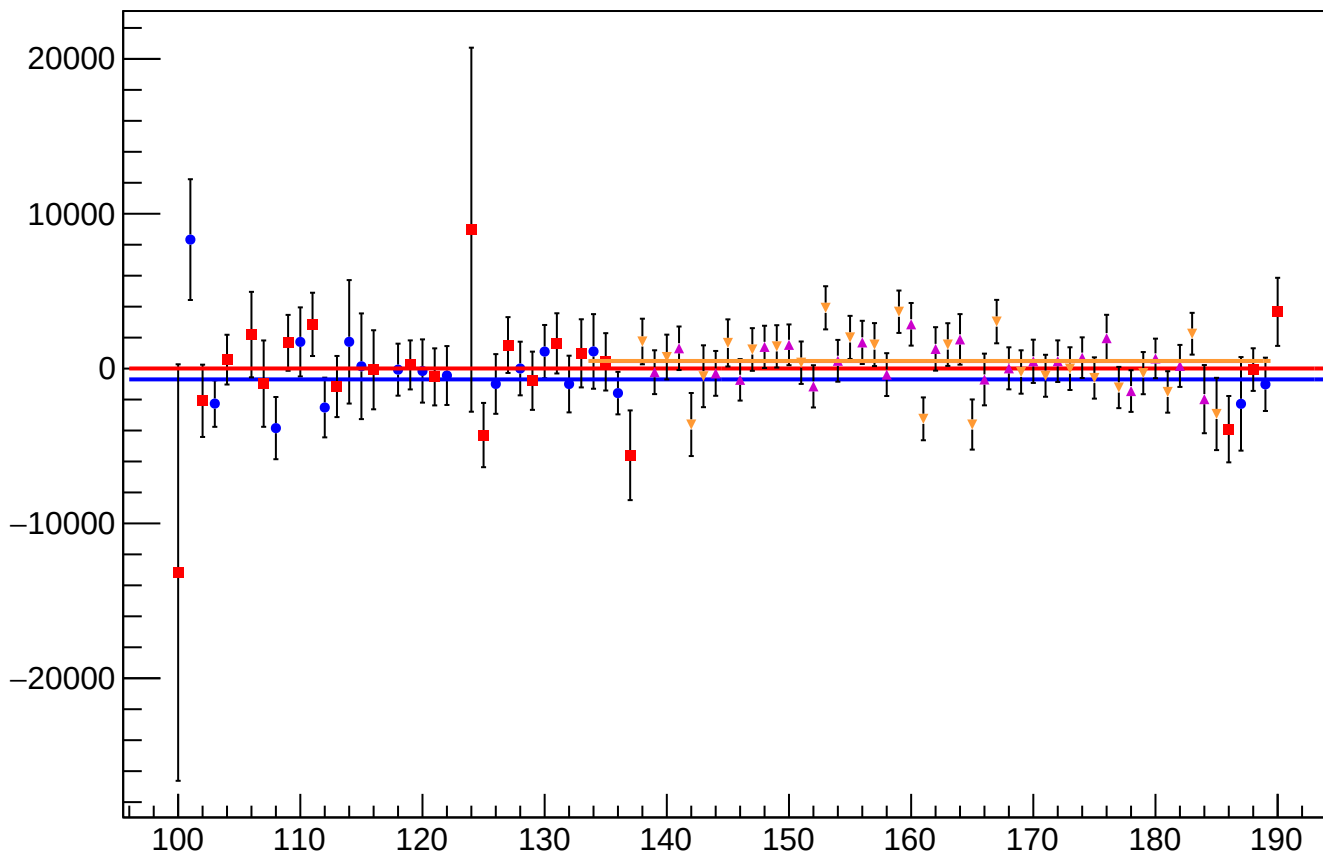
Left In: 4173.556 $\pm$ 0.704 χ^2 /NDF: 1274968.4/22

+ sign 3647.905 $\pm$ 0.516 χ^2 /NDF: 4140994.7/42

All: 3640.967 $\pm$ 0.365 χ^2 /NDF: 8900119.4/87

- sign 3634.056 $\pm$ 0.515 χ^2 /NDF: 4758764.5/44

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -698.399 ± 464.513 χ^2/NDF : 14.2/17

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 6.459 ± 440.651 χ^2/NDF : 22.4/21

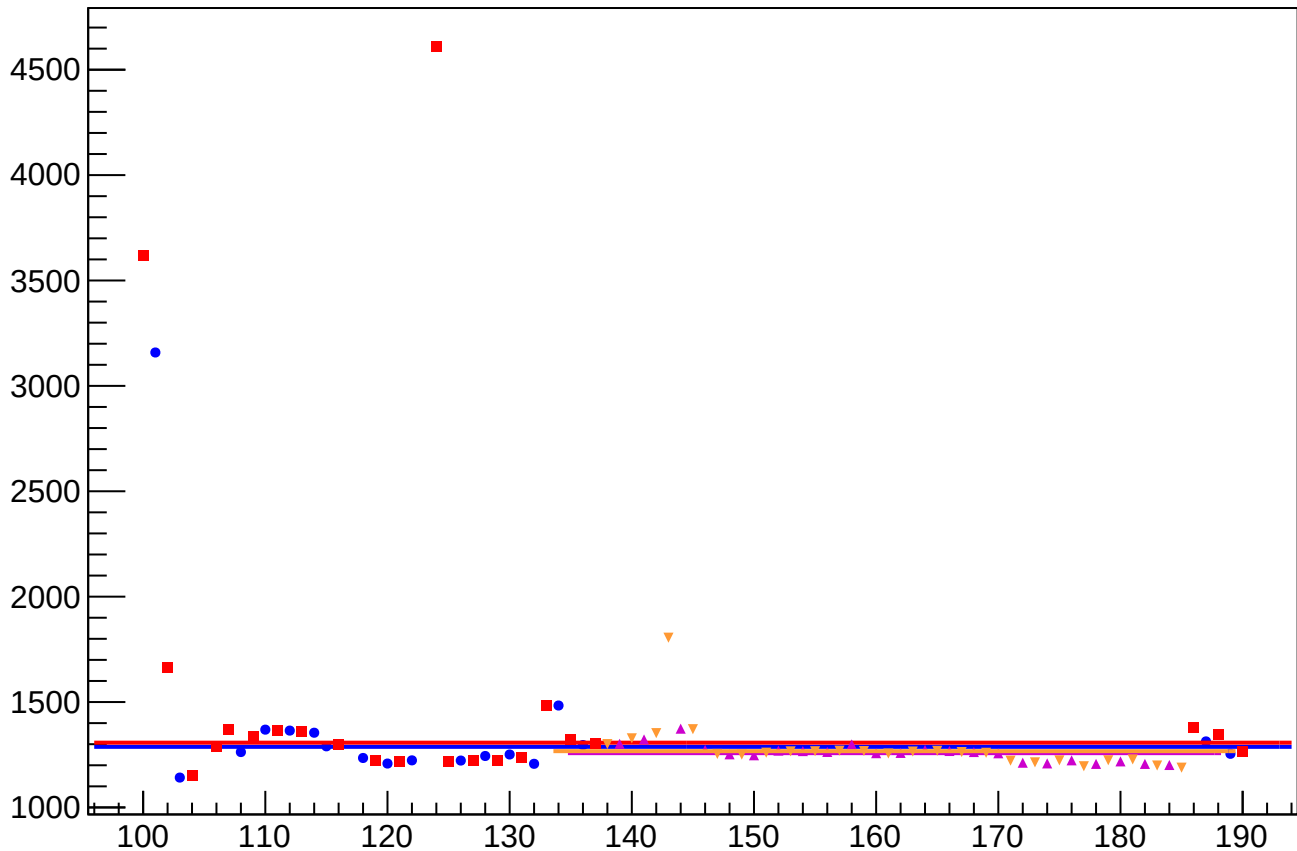
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 160.700 ± 245.075 χ^2/NDF : 65.8/42

All: 250.058 ± 173.066 χ^2/NDF : 103.8/87

- sign 338.947 ± 244.430 χ^2/NDF : 37.7/44

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.477 $\pm$ 0.328 χ^2 /NDF: 515592.2/17

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1307.272 $\pm$ 0.311 χ^2 /NDF: 330840.5/21

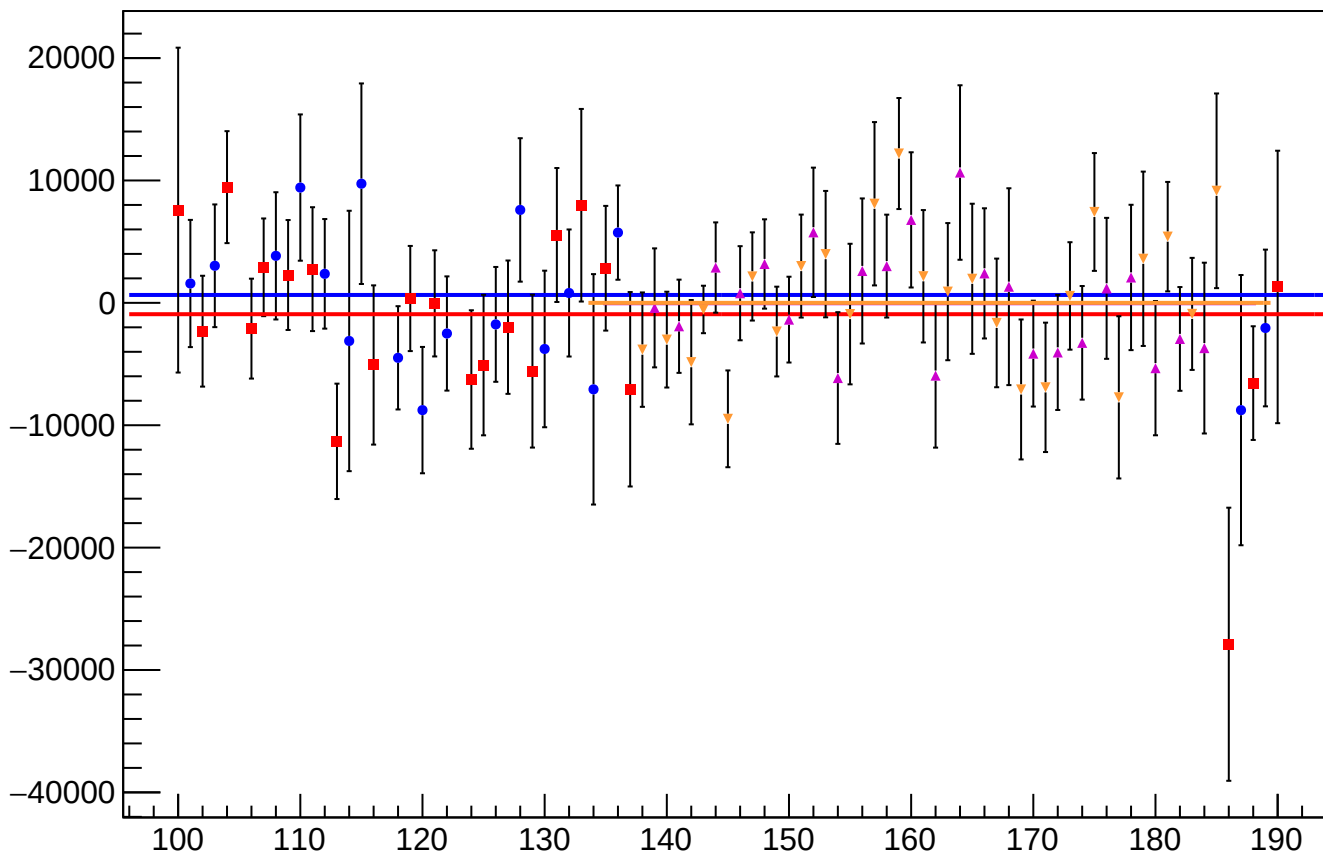
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1272.676 $\pm$ 0.173 χ^2 /NDF: 705951.4/42

All: 1272.780 $\pm$ 0.122 χ^2 /NDF: 1091274.1/87

- sign 1272.882 $\pm$ 0.173 χ^2 /NDF: 385322.0/44

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug



Right In: 644.987 ± 1288.480 χ^2/NDF : 15.0/17

Left Out: -0.541 ± 886.487 χ^2/NDF : 29.1/24

Right Out: -927.344 ± 1134.615 χ^2/NDF : 26.3/21

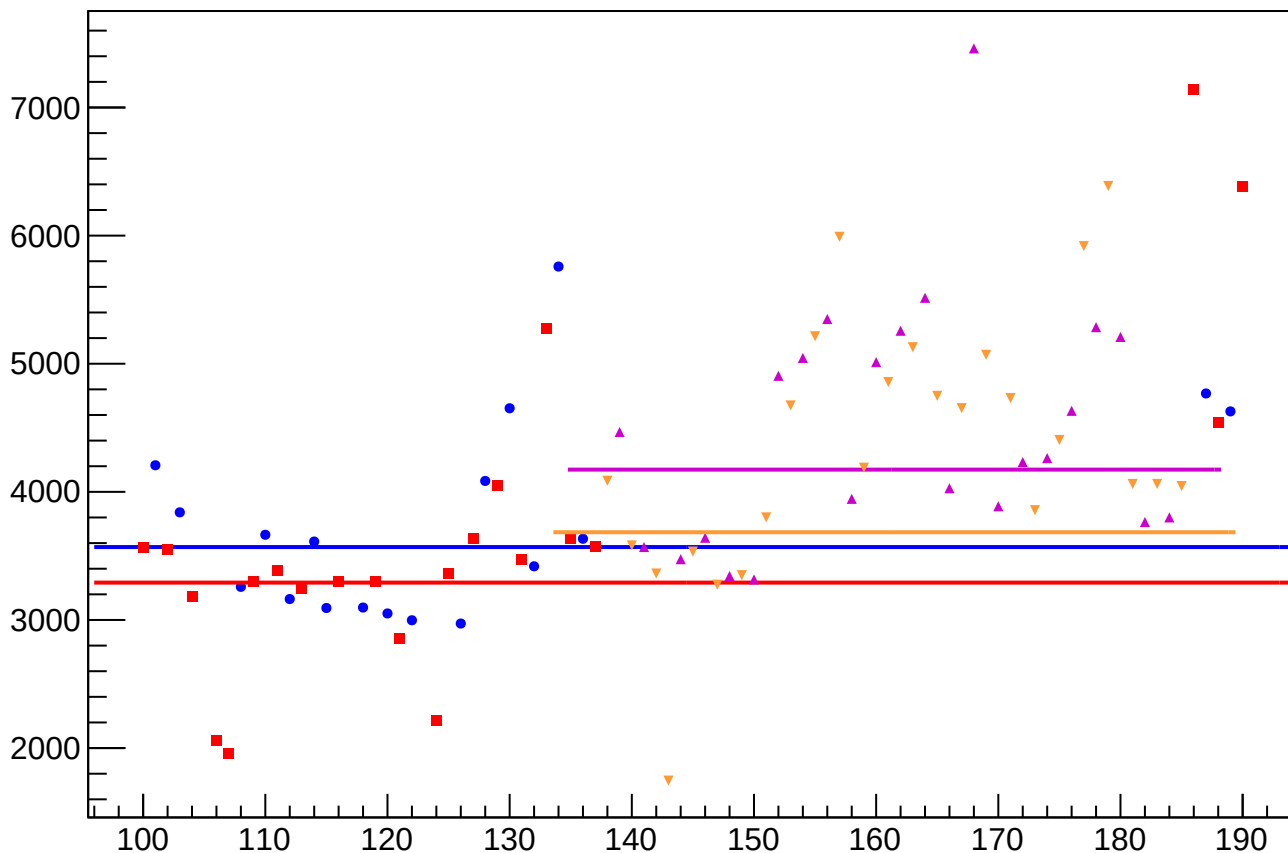
Left In: -31.597 ± 995.347 χ^2/NDF : 14.0/22

+ sign 206.853 ± 730.329 χ^2/NDF : 44.2/42

All: -99.544 ± 522.637 χ^2/NDF : 85.3/87

- sign -421.151 ± 748.238 χ^2/NDF : 40.7/44

asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug



Right In: 3569.073+/-0.911 χ^2 /NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2 /NDF: 3693687.2/24

Right Out: 3291.760+/-0.802 χ^2 /NDF: 1222238.2/21

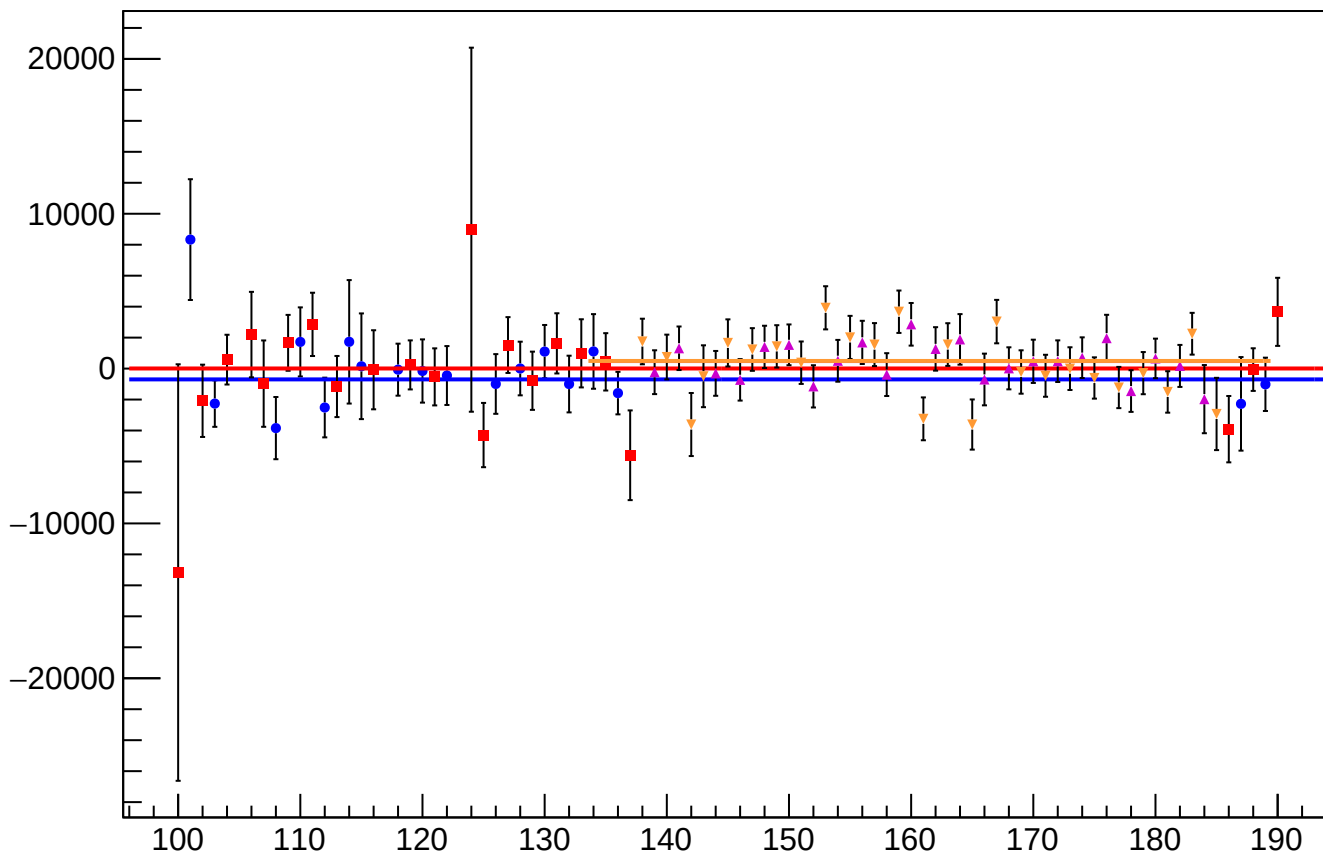
Left In: 4173.550+/-0.704 χ^2 /NDF: 1274967.5/22

+ sign 3647.593+/-0.516 χ^2 /NDF: 4140602.0/42

All: 3717.104+/-0.370 χ^2 /NDF: 7357585.2/87

- sign 3790.066+/-0.529 χ^2 /NDF: 3179848.9/44

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -698.399 ± 464.513 χ^2/NDF : 14.2/17

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 6.459 ± 440.651 χ^2/NDF : 22.4/21

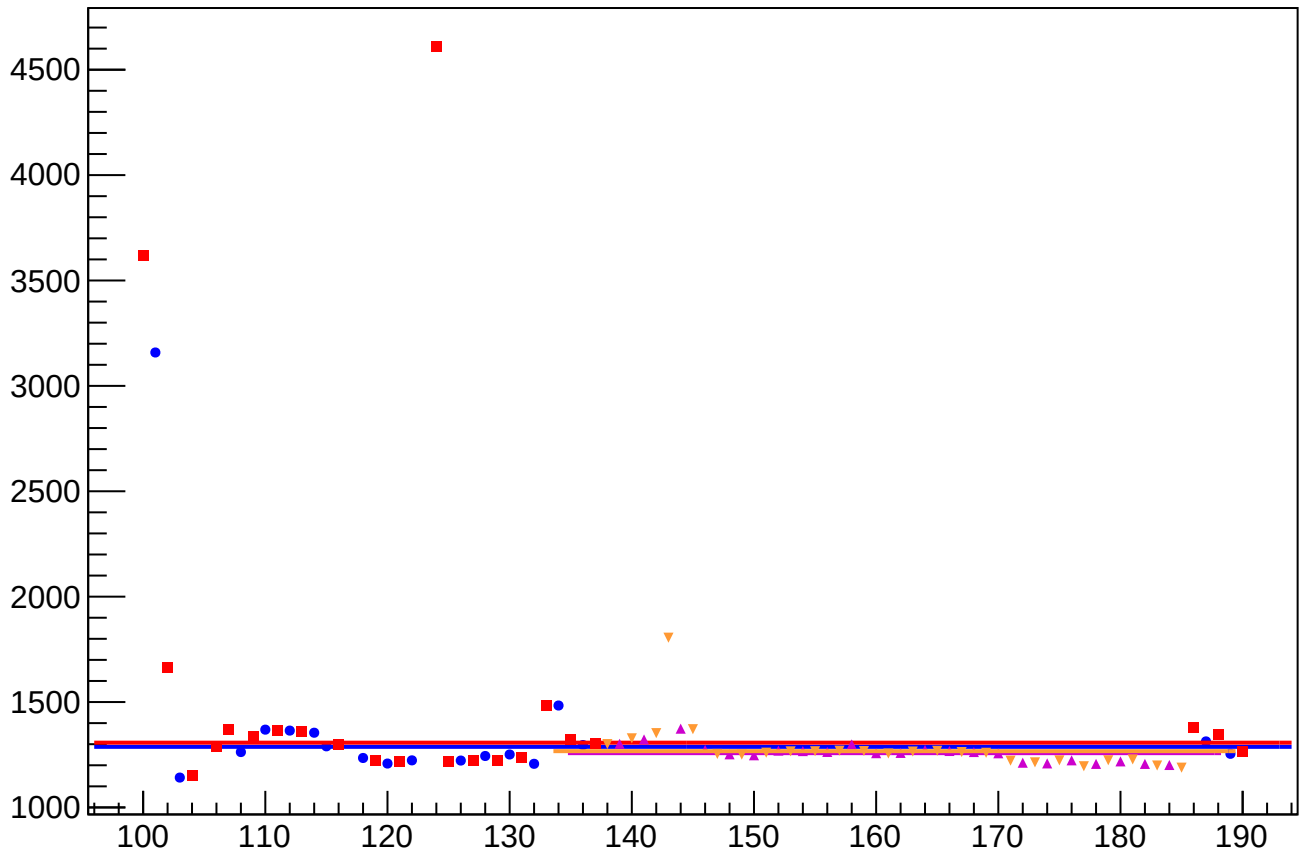
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 160.700 ± 245.075 χ^2/NDF : 65.8/42

All: 250.058 ± 173.066 χ^2/NDF : 103.8/87

- sign 338.947 ± 244.430 χ^2/NDF : 37.7/44

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF : 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF : 187545.6/24

Right Out: 1307.272+/-0.311 χ^2/NDF : 330840.5/21

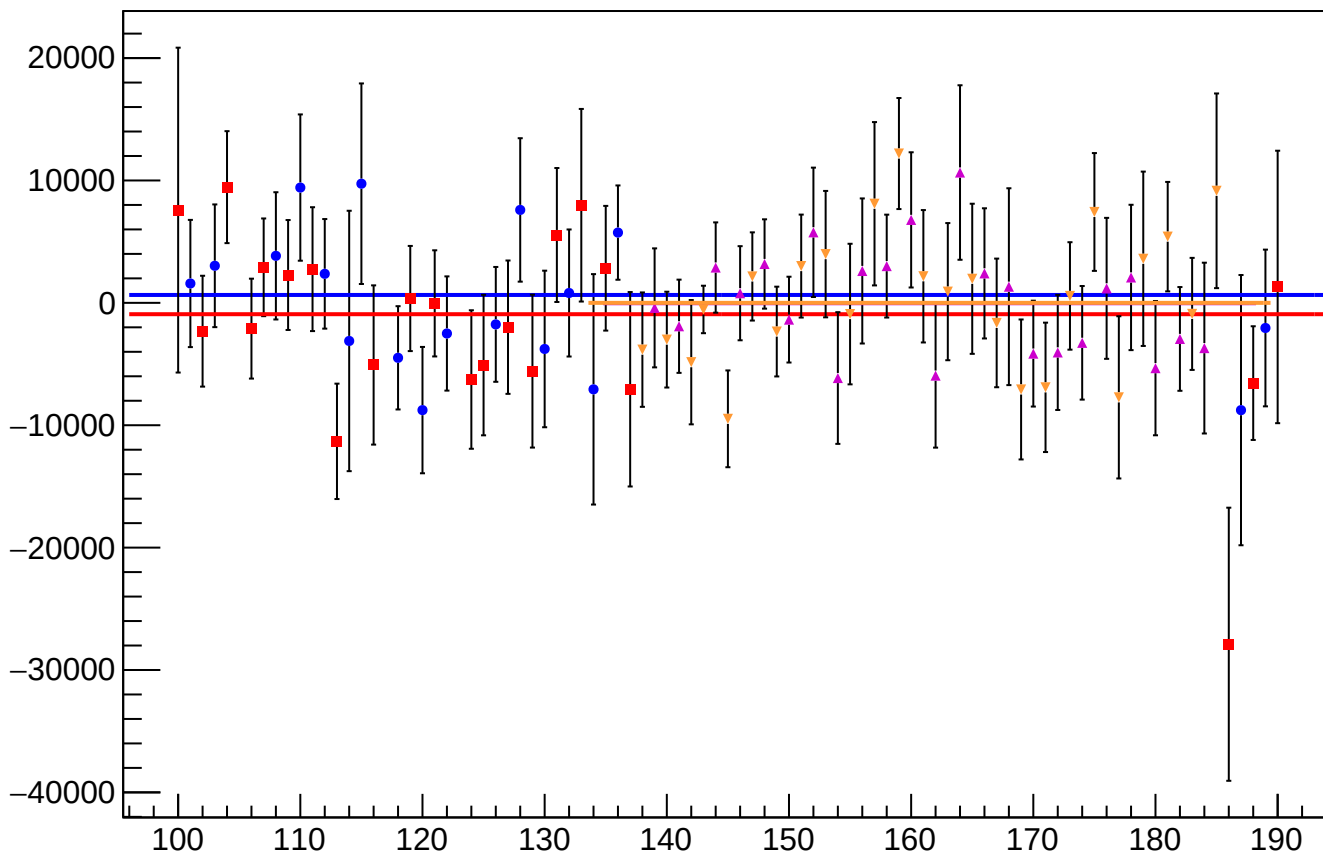
Left In: 1257.551+/-0.208 χ^2/NDF : 36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF : 705951.4/42

All: 1272.780+/-0.122 χ^2/NDF : 1091274.1/87

- sign 1272.882+/-0.173 χ^2/NDF : 385322.0/44

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 644.987+/-1288.480 χ^2/NDF : 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF : 29.1/24

Right Out: -927.344+/-1134.615 χ^2/NDF : 26.3/21

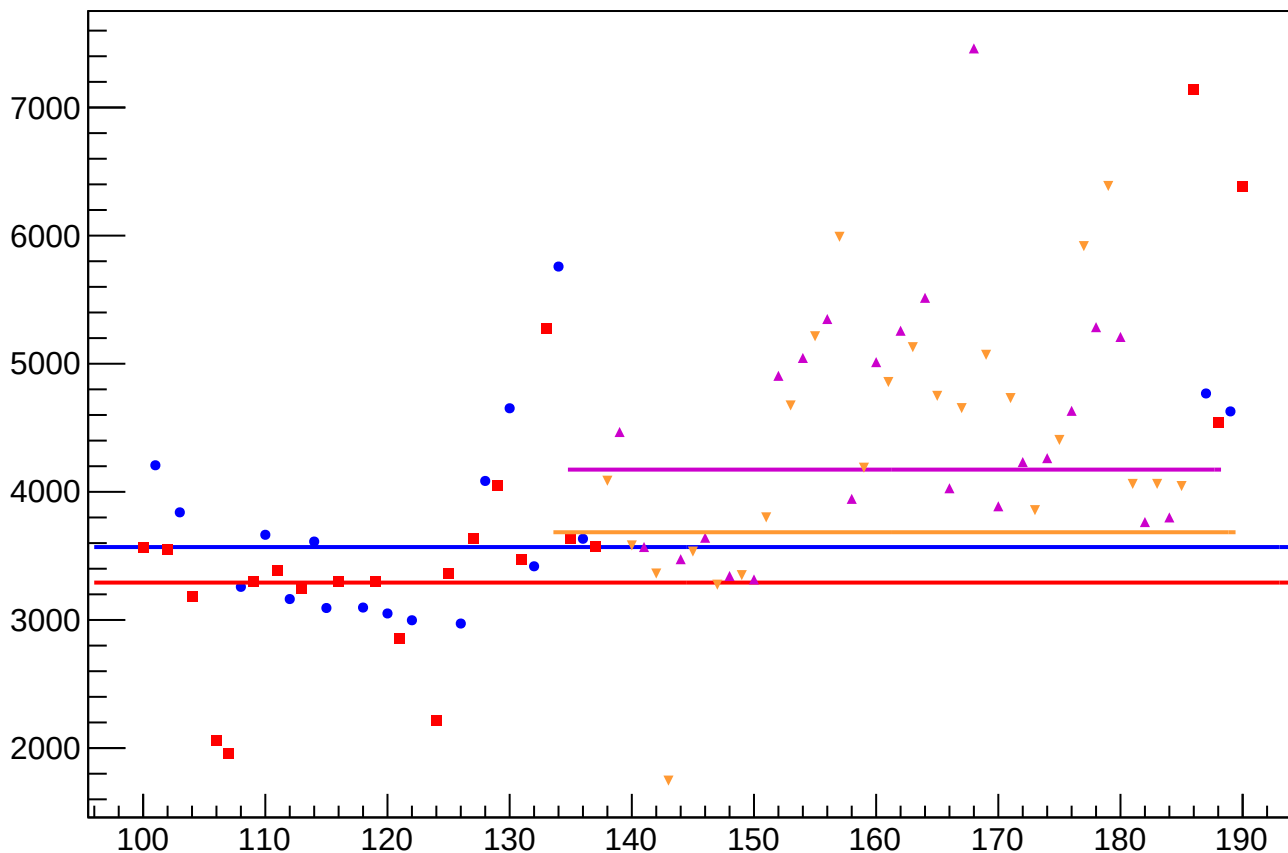
Left In: -31.597+/-995.347 χ^2/NDF : 14.0/22

+ sign 206.853+/-730.329 χ^2/NDF : 44.2/42

All: -99.544+/-522.637 χ^2/NDF : 85.3/87

- sign -421.151+/-748.238 χ^2/NDF : 40.7/44

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 3569.073+/-0.911 χ^2 /NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2 /NDF: 3693687.2/24

Right Out: 3291.760+/-0.802 χ^2 /NDF: 1222238.2/21

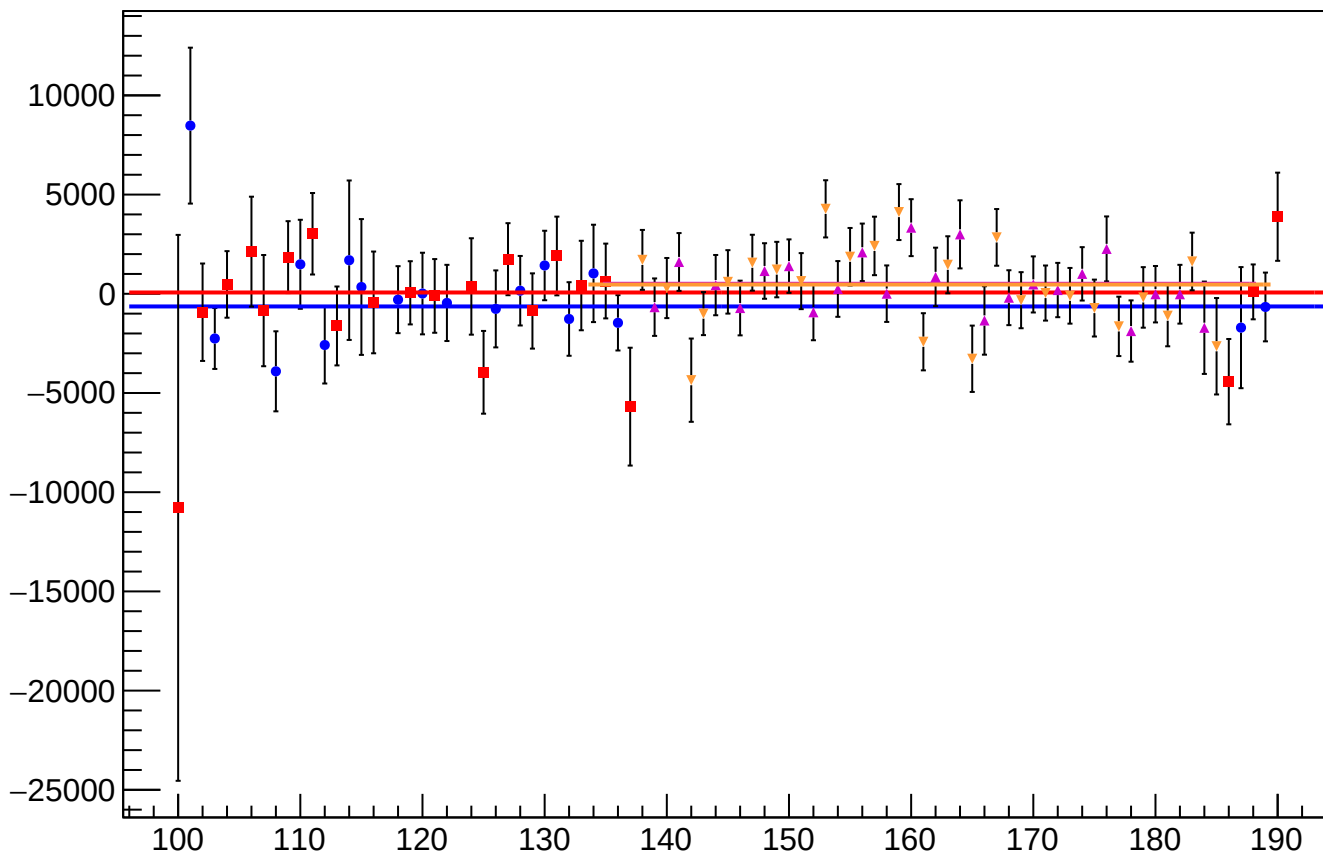
Left In: 4173.550+/-0.704 χ^2 /NDF: 1274967.5/22

+ sign 3647.593+/-0.516 χ^2 /NDF: 4140602.0/42

All: 3717.104+/-0.370 χ^2 /NDF: 7357585.2/87

- sign 3790.066+/-0.529 χ^2 /NDF: 3179848.9/44

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -637.990 ± 469.578 χ^2/NDF : 14.2/17

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 65.657 ± 439.237 χ^2/NDF : 22.2/21

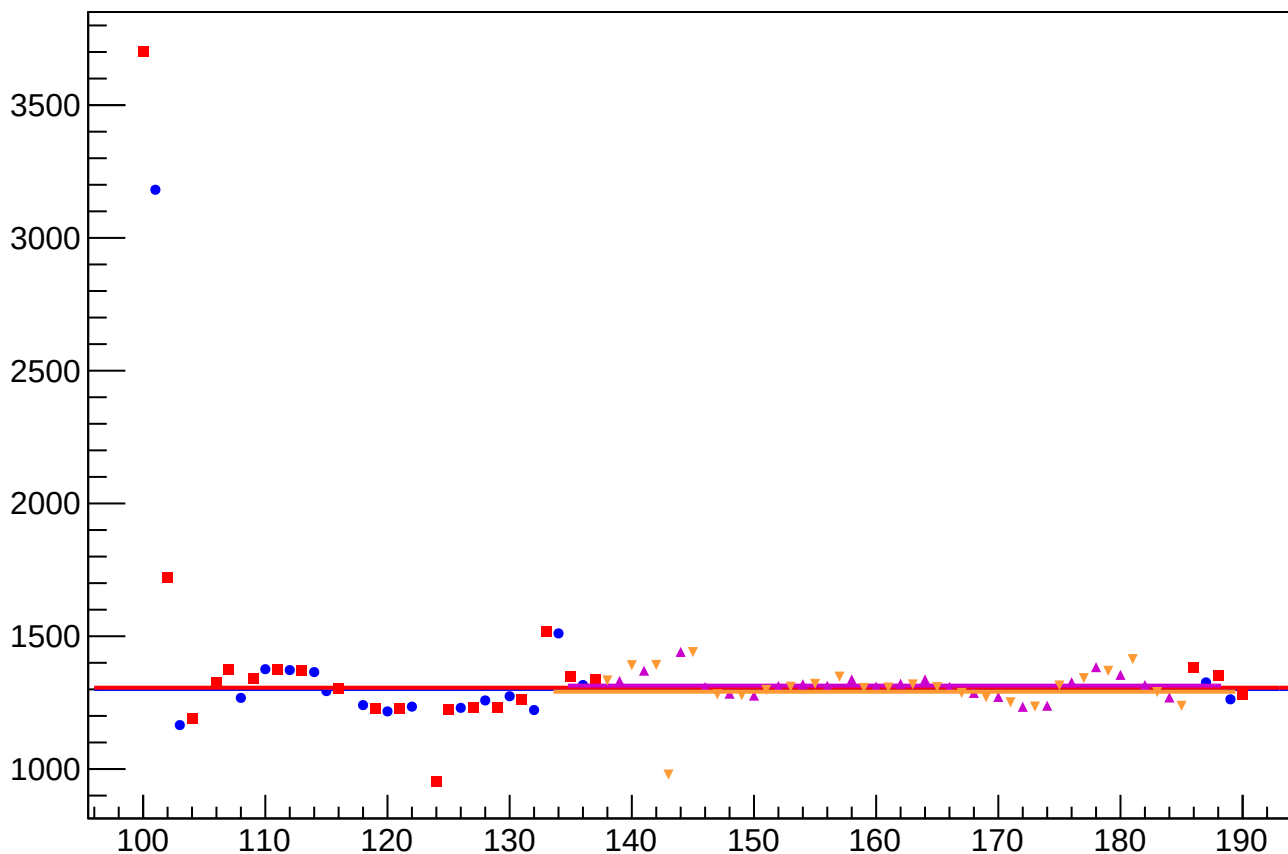
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign 156.104 ± 249.345 χ^2/NDF : 62.3/42

All: 257.015 ± 177.126 χ^2/NDF : 102.9/87

- sign 359.809 ± 251.660 χ^2/NDF : 40.3/44

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1301.572 $\pm$ 0.332 χ^2 /NDF: 511789.7/17

Left Out: 1291.211 $\pm$ 0.208 χ^2 /NDF: 230735.1/24

Right Out: 1306.216 $\pm$ 0.310 χ^2 /NDF: 218896.5/21

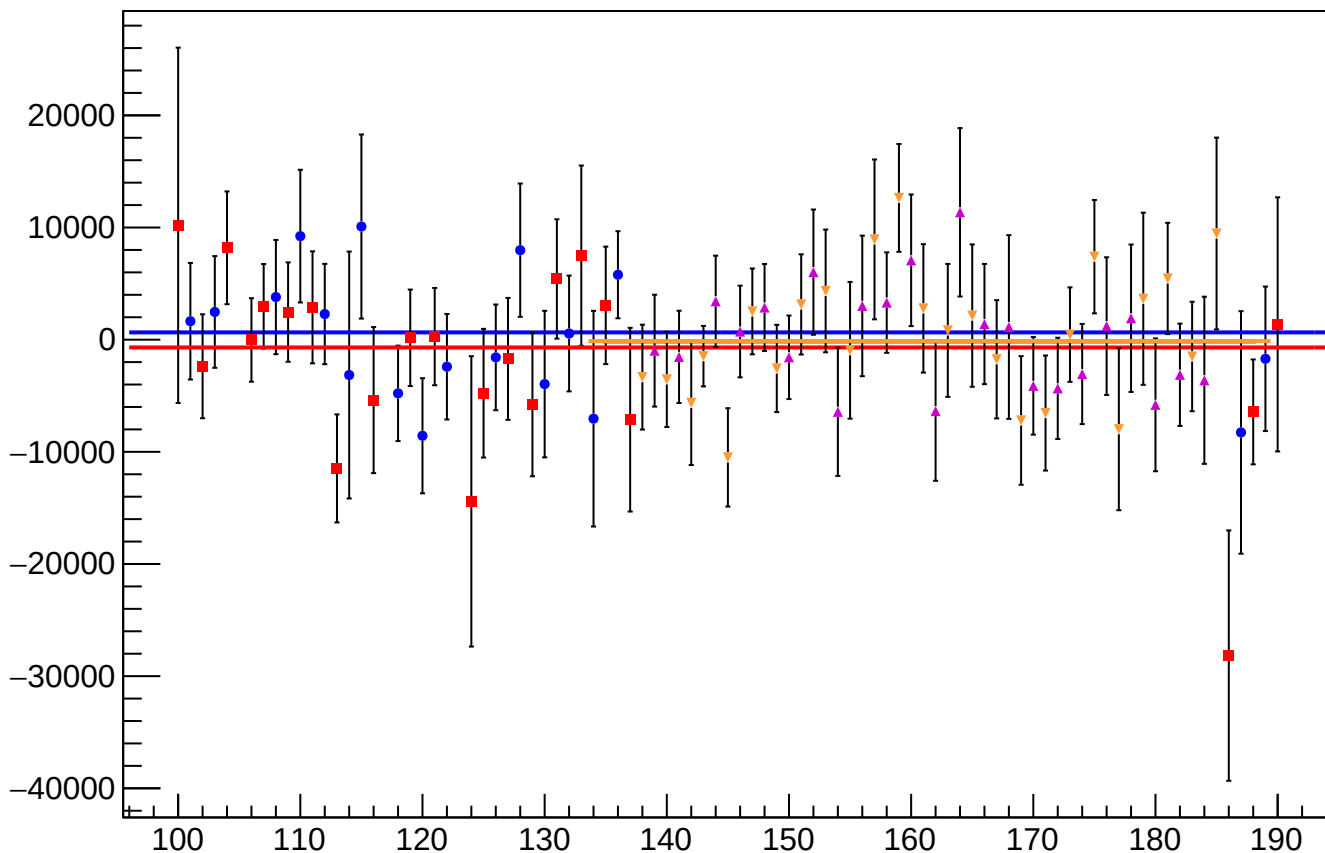
Left In: 1314.006 $\pm$ 0.217 χ^2 /NDF: 43044.7/22

+ sign 1294.132 $\pm$ 0.176 χ^2 /NDF: 743224.0/42

All: 1302.711 $\pm$ 0.125 χ^2 /NDF: 1010366.3/87

- sign 1311.447 $\pm$ 0.178 χ^2 /NDF: 262364.0/44

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug



Right In: 649.628 ± 1290.787 χ^2/NDF : 15.0/17

Left Out: -127.273 ± 977.231 χ^2/NDF : 28.6/24

Right Out: -693.747 ± 1150.121 χ^2/NDF : 24.7/21

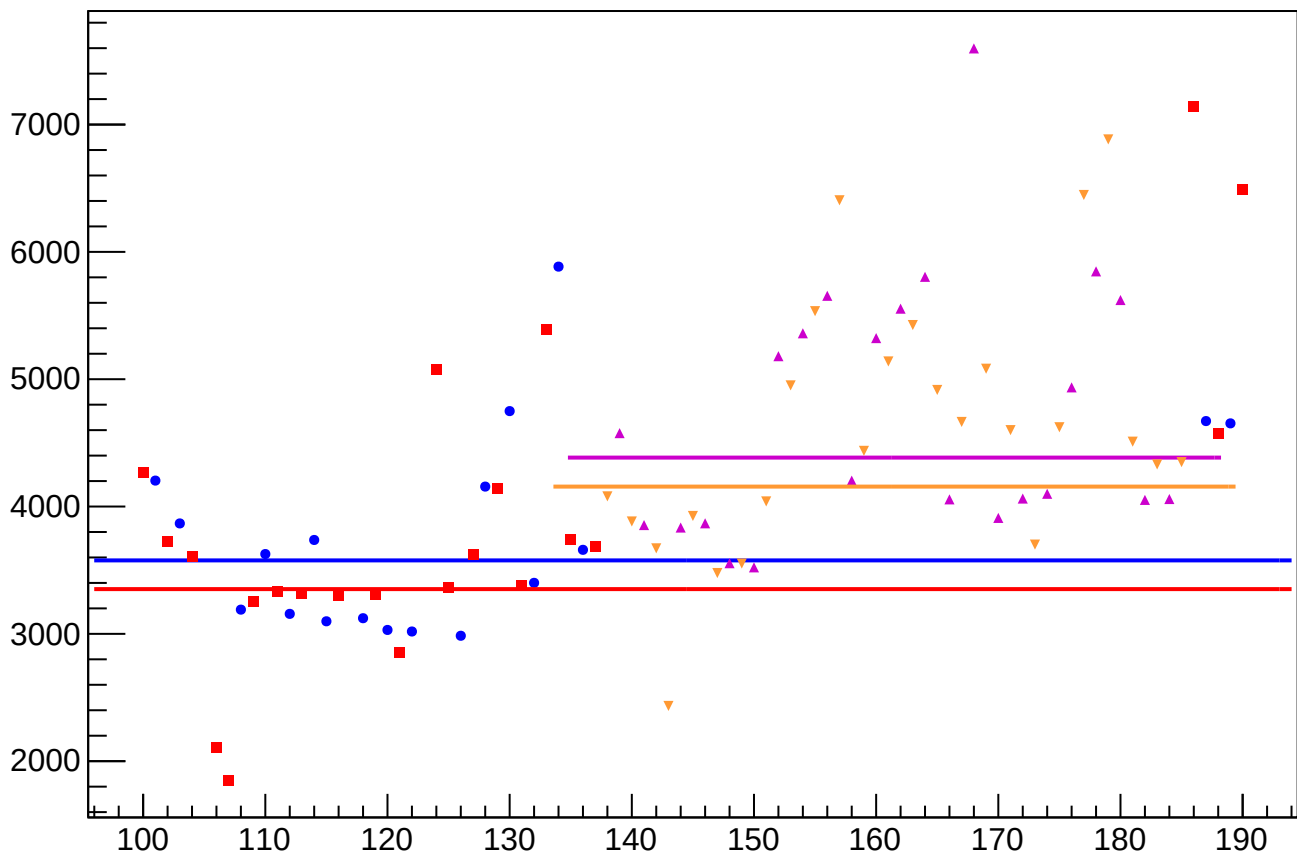
Left In: -159.452 ± 1045.510 χ^2/NDF : 13.8/22

+ sign 155.784 ± 779.128 χ^2/NDF : 43.8/42

All: -124.680 ± 548.974 χ^2/NDF : 82.7/87

- sign -401.201 ± 773.633 χ^2/NDF : 38.6/44

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3576.938 $\pm$ 0.913 χ^2/NDF : 455785.3/17

Left Out: 4156.582 $\pm$ 0.691 χ^2/NDF : 2080766.1/24

+ sign 3945.393 $\pm$ 0.551 χ^2/NDF : 2792920.9/42

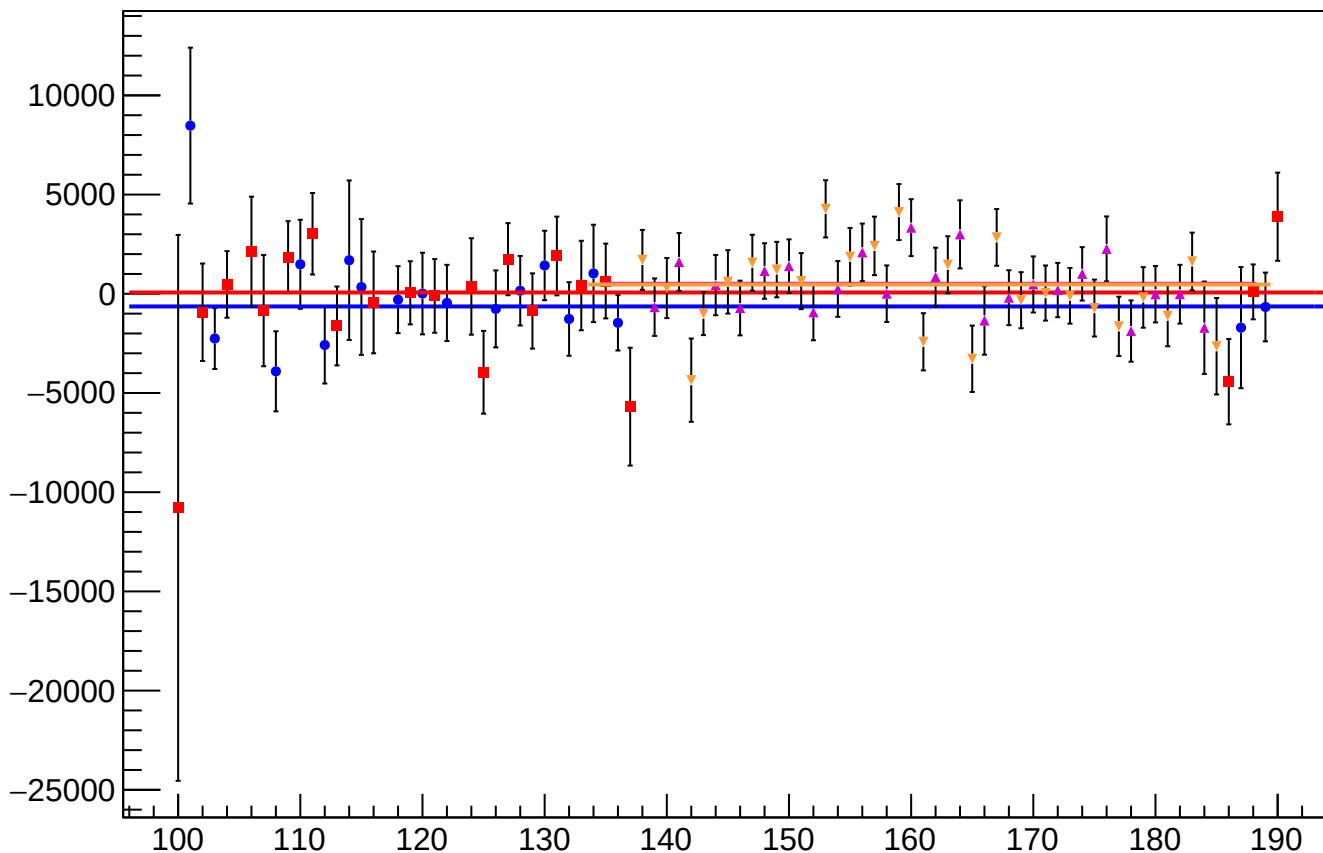
Right Out: 3351.477 $\pm$ 0.813 χ^2/NDF : 1327397.5/21

All: 3931.095 $\pm$ 0.388 χ^2/NDF : 6260263.4/87

Left In: 4384.323 $\pm$ 0.739 χ^2/NDF : 1255470.8/22

- sign 3916.998 $\pm$ 0.547 χ^2/NDF : 3466004.9/44

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -637.994 ± 469.578 χ^2/NDF : 14.2/17

Left Out: 467.933 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 65.663 ± 439.237 χ^2/NDF : 22.2/21

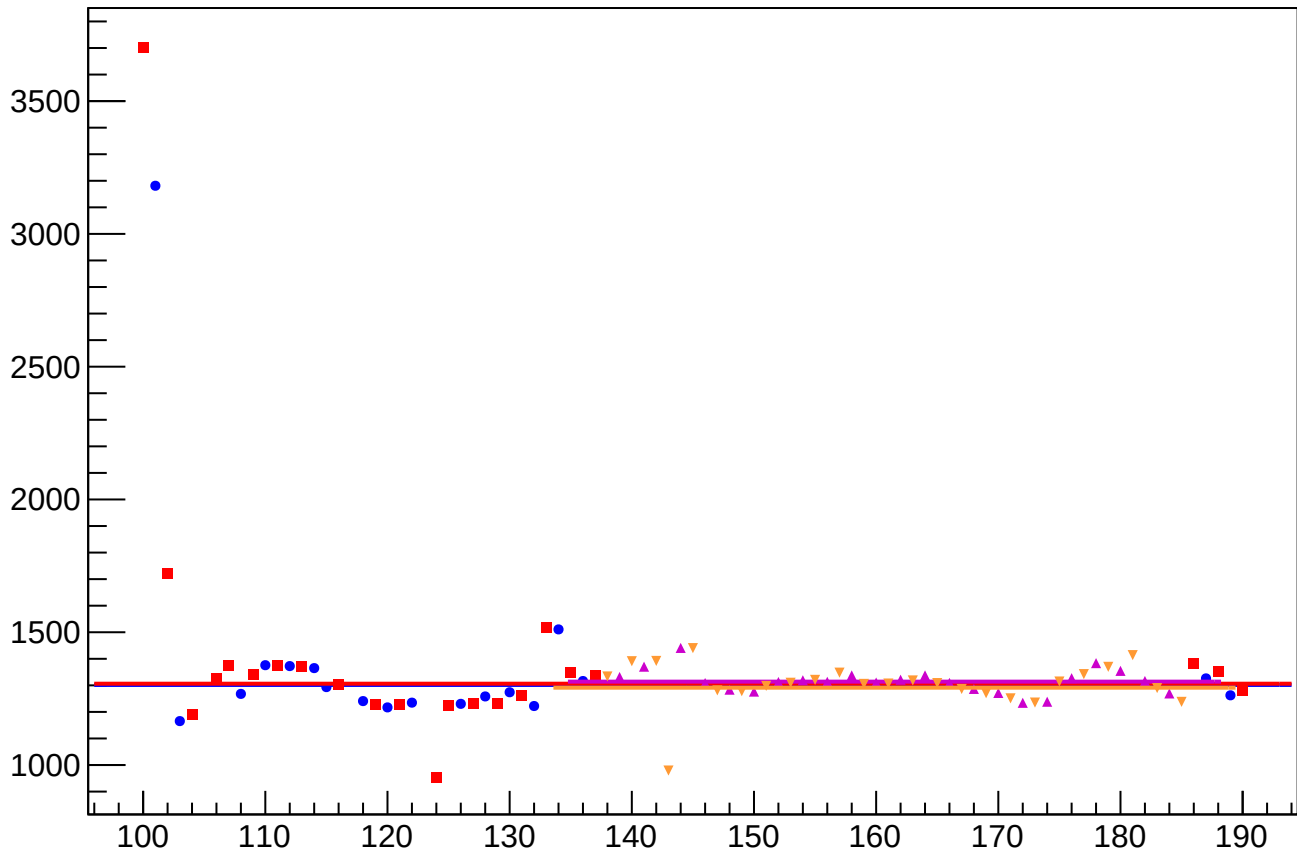
Left In: 503.558 ± 307.056 χ^2/NDF : 17.4/22

+ sign 156.106 ± 249.346 χ^2/NDF : 62.3/42

All: 257.017 ± 177.127 χ^2/NDF : 102.9/87

- sign 359.810 ± 251.660 χ^2/NDF : 40.3/44

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1301.572 $\pm$ 0.332 χ^2 /NDF: 511789.8/17

Left Out: 1291.212 $\pm$ 0.208 χ^2 /NDF: 230737.6/24

Right Out: 1306.216 $\pm$ 0.310 χ^2 /NDF: 218896.6/21

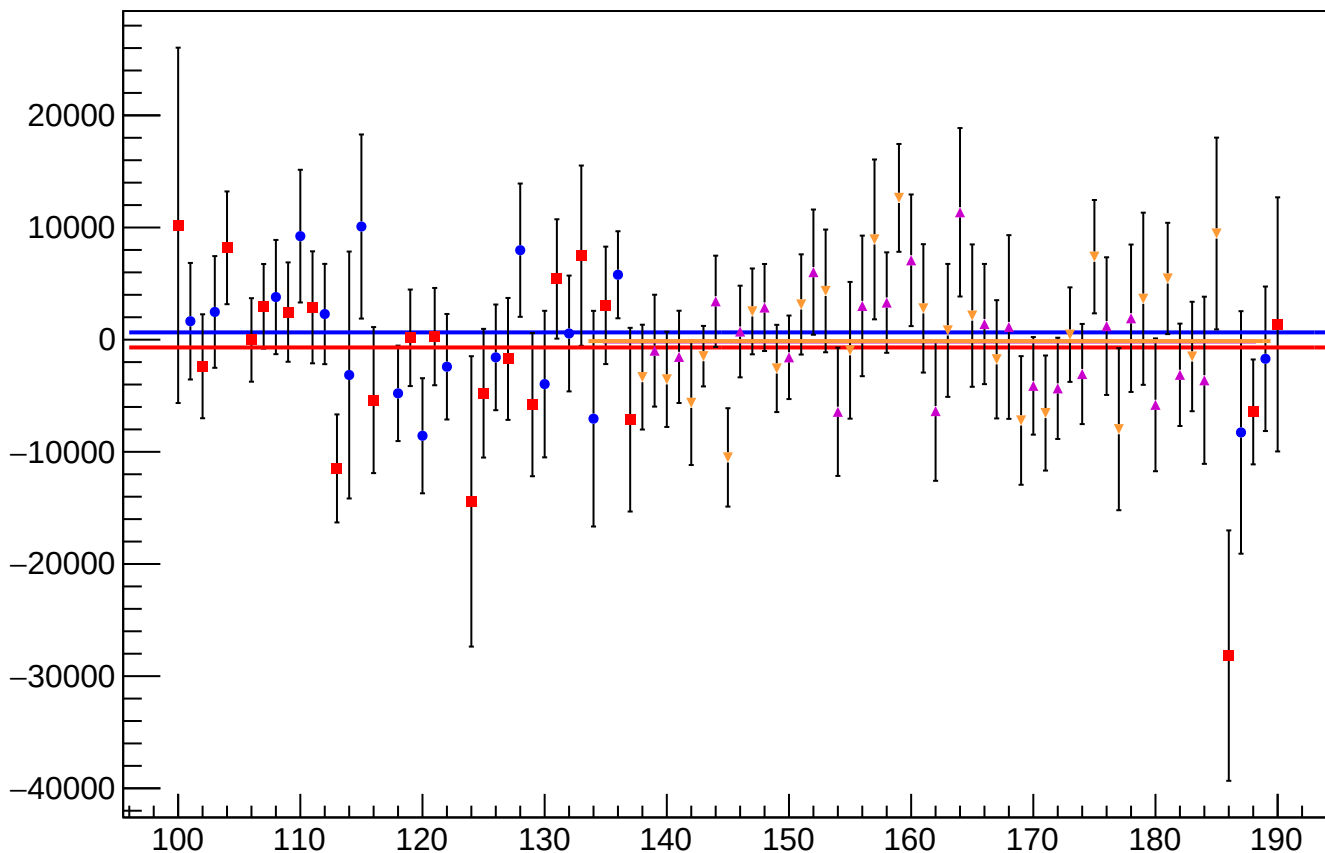
Left In: 1314.007 $\pm$ 0.217 χ^2 /NDF: 43046.8/22

+ sign 1294.133 $\pm$ 0.176 χ^2 /NDF: 743226.4/42

All: 1302.712 $\pm$ 0.125 χ^2 /NDF: 1010371.1/87

- sign 1311.448 $\pm$ 0.178 χ^2 /NDF: 262366.4/44

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 649.619 ± 1290.784 χ^2/NDF : 15.0/17

Left Out: -127.271 ± 977.232 χ^2/NDF : 28.6/24

Right Out: -693.740 ± 1150.118 χ^2/NDF : 24.7/21

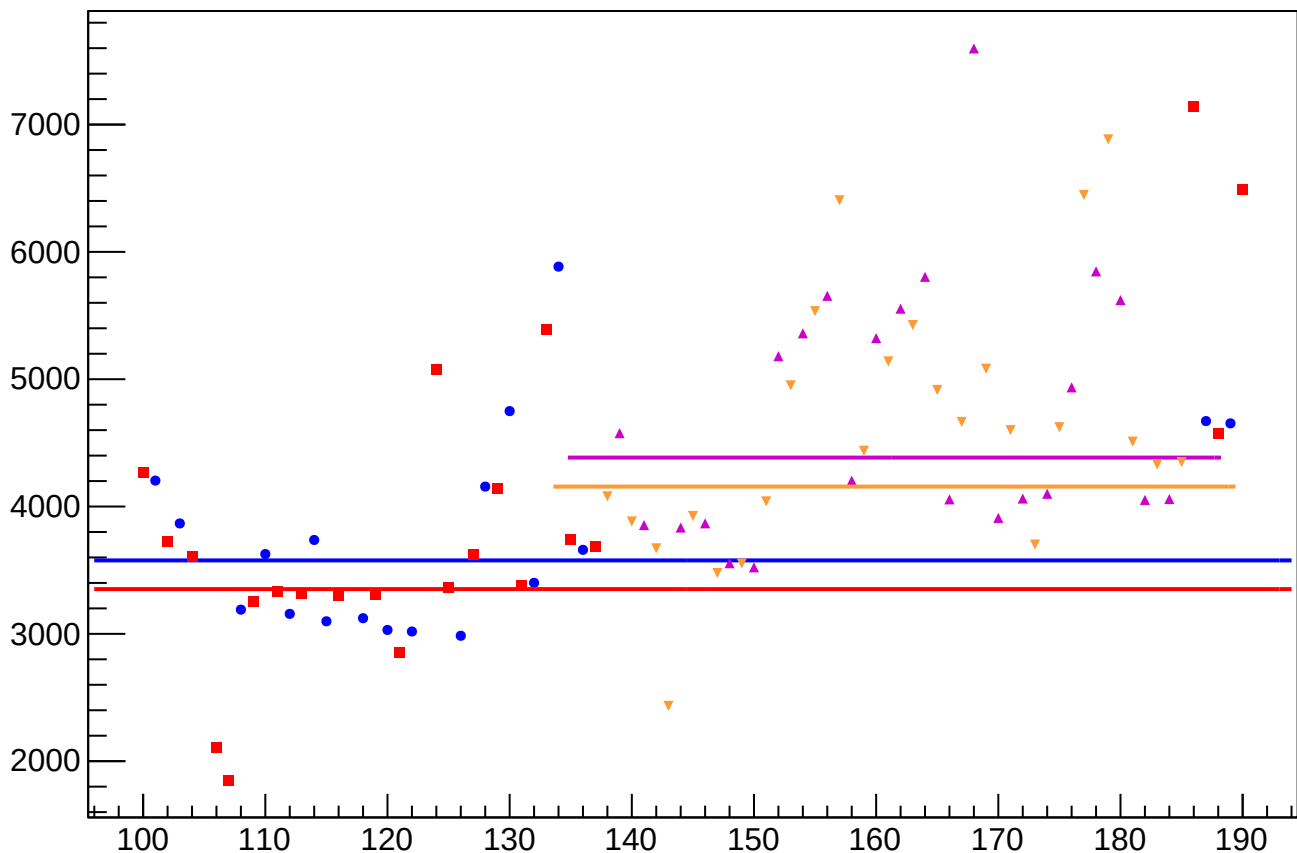
Left In: -159.454 ± 1045.511 χ^2/NDF : 13.8/22

+ sign 155.784 ± 779.129 χ^2/NDF : 43.8/42

All: -124.679 ± 548.974 χ^2/NDF : 82.7/87

- sign -401.200 ± 773.633 χ^2/NDF : 38.6/44

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 3576.930 $\pm$ 0.913 χ^2/NDF : 455791.5/17

Left Out: 4156.588 $\pm$ 0.691 χ^2/NDF : 2080769.0/24

Right Out: 3351.469 $\pm$ 0.813 χ^2/NDF : 1327403.2/21

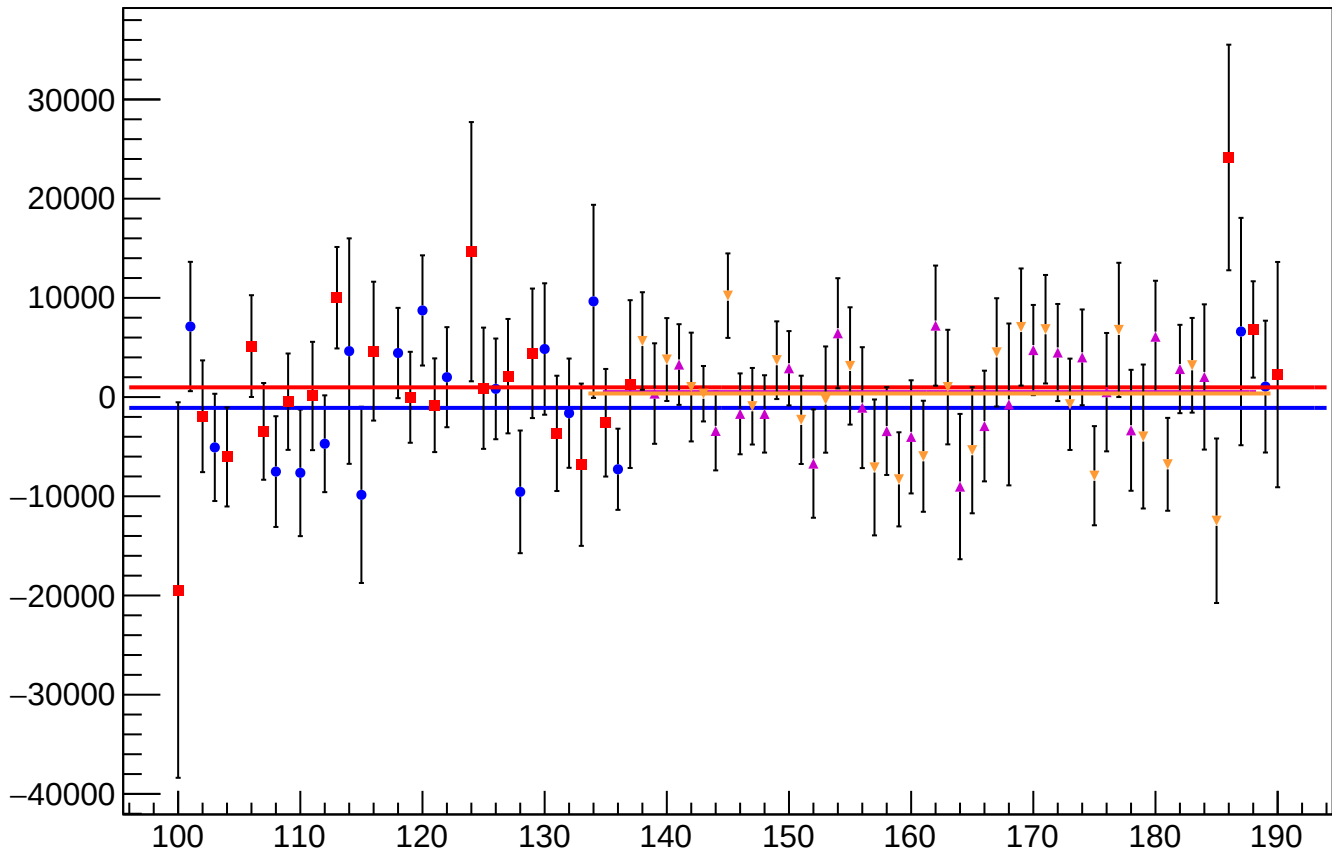
Left In: 4384.329 $\pm$ 0.739 χ^2/NDF : 1255475.0/22

+ sign 3945.393 $\pm$ 0.551 χ^2/NDF : 2792943.8/42

All: 3931.095 $\pm$ 0.388 χ^2/NDF : 6260321.7/87

- sign 3916.997 $\pm$ 0.547 χ^2/NDF : 3466040.1/44

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1089.614 ± 1389.186 χ^2/NDF : 18.2/17

Left Out: 362.528 ± 979.860 χ^2/NDF : 27.7/24

Right Out: 981.085 ± 1271.948 χ^2/NDF : 17.6/21

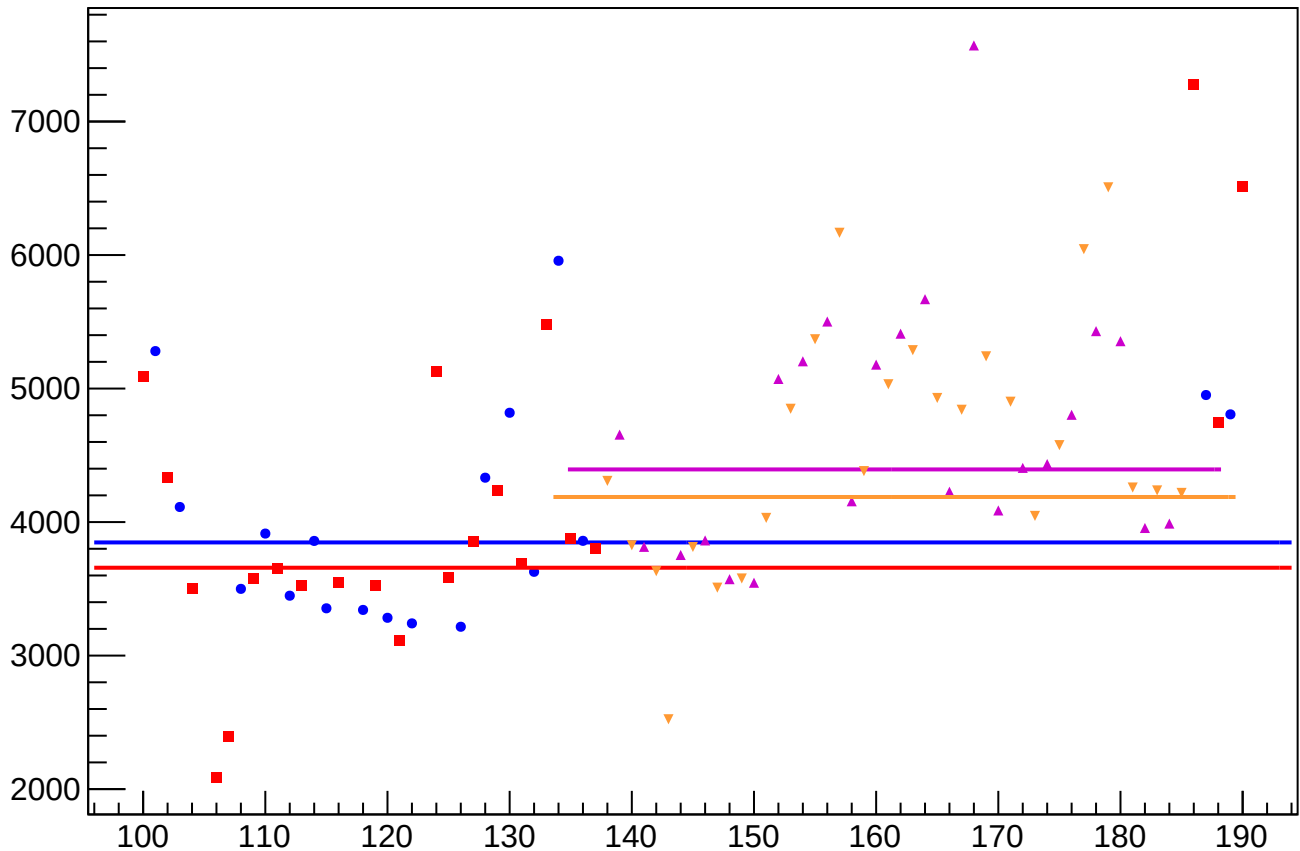
Left In: 497.522 ± 1044.707 χ^2/NDF : 13.9/22

+ sign -119.914 ± 800.716 χ^2/NDF : 46.5/42

All: 282.876 ± 568.507 χ^2/NDF : 78.6/87

- sign 692.323 ± 807.306 χ^2/NDF : 31.6/44

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3847.536+/-0.982 χ^2/NDF : 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF :1796345.9/24

Right Out: 3658.073+/-0.888 χ^2/NDF : 1049184.6/21

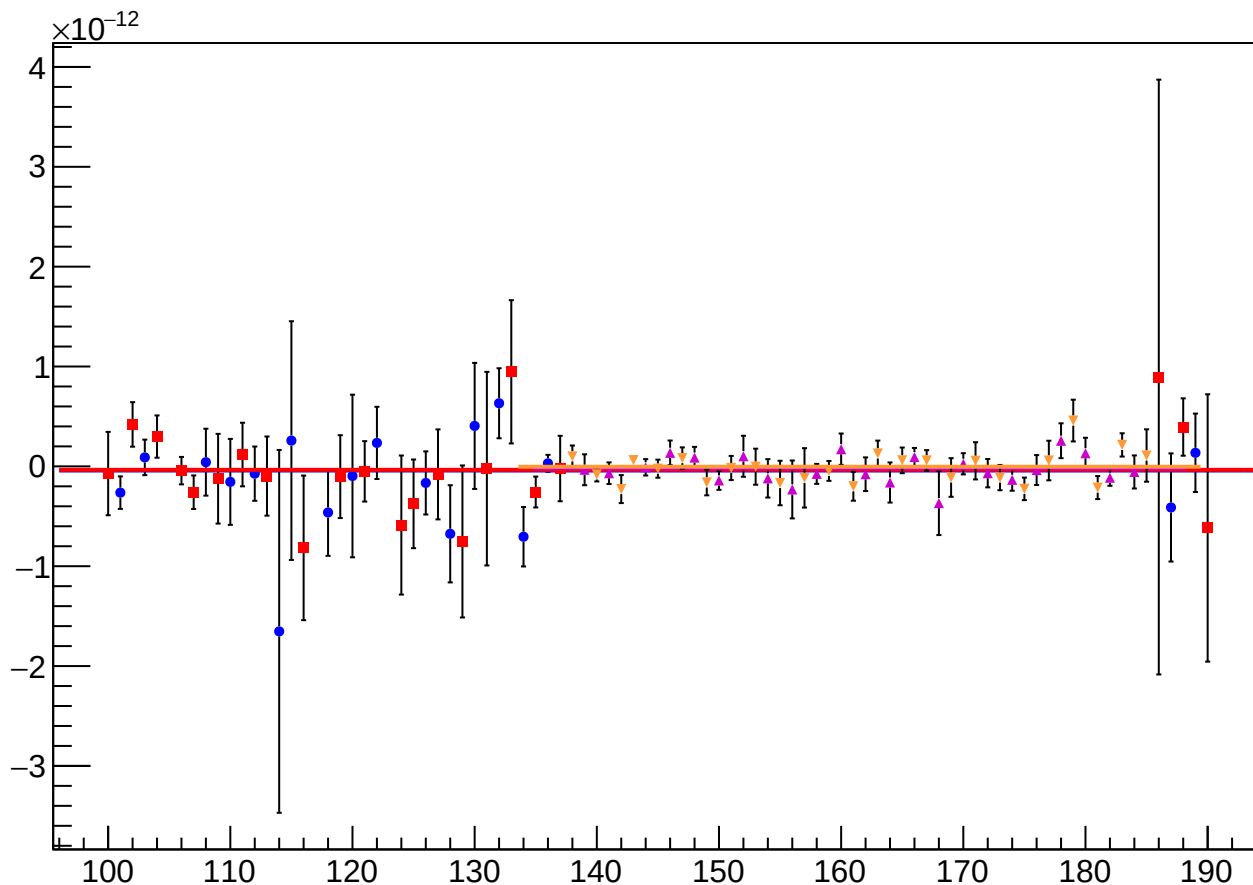
Left In: 4394.324+/-0.739 χ^2/NDF :1088394.9/22

+ sign 4074.786+/-0.566 χ^2/NDF : 2323459.3/42

All: 4084.017+/-0.401 χ^2/NDF : 4867696.9/87

- sign 4093.306+/-0.568 χ^2/NDF : 2543704.3/44

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF : 30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF : 18.5/21

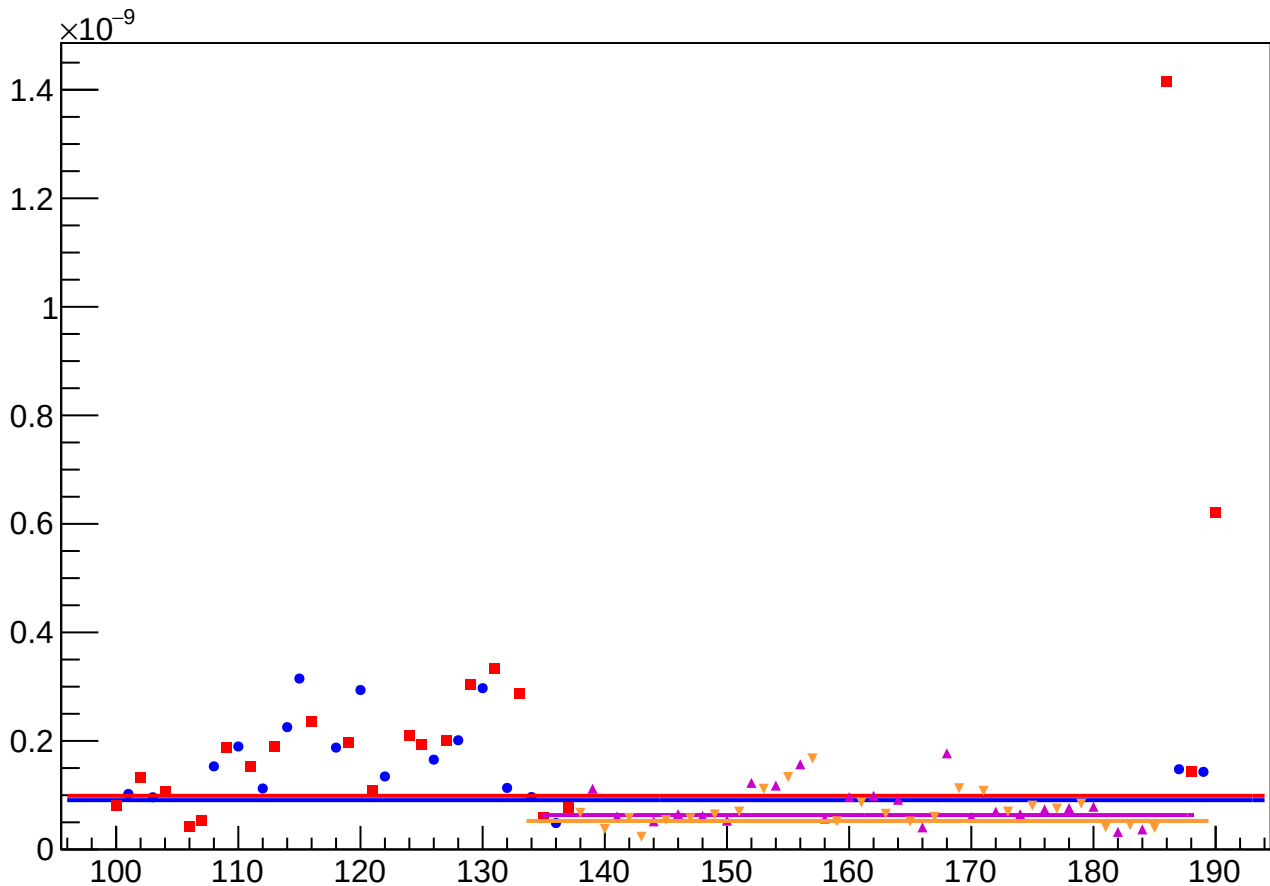
Left In: -0.000+/-0.000 χ^2/NDF : 17.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 48.1/42

All: -0.000+/-0.000 χ^2/NDF : 83.9/87

- sign -0.000+/-0.000 χ^2/NDF : 35.5/44

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1520132.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2628519.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2486687.4/21

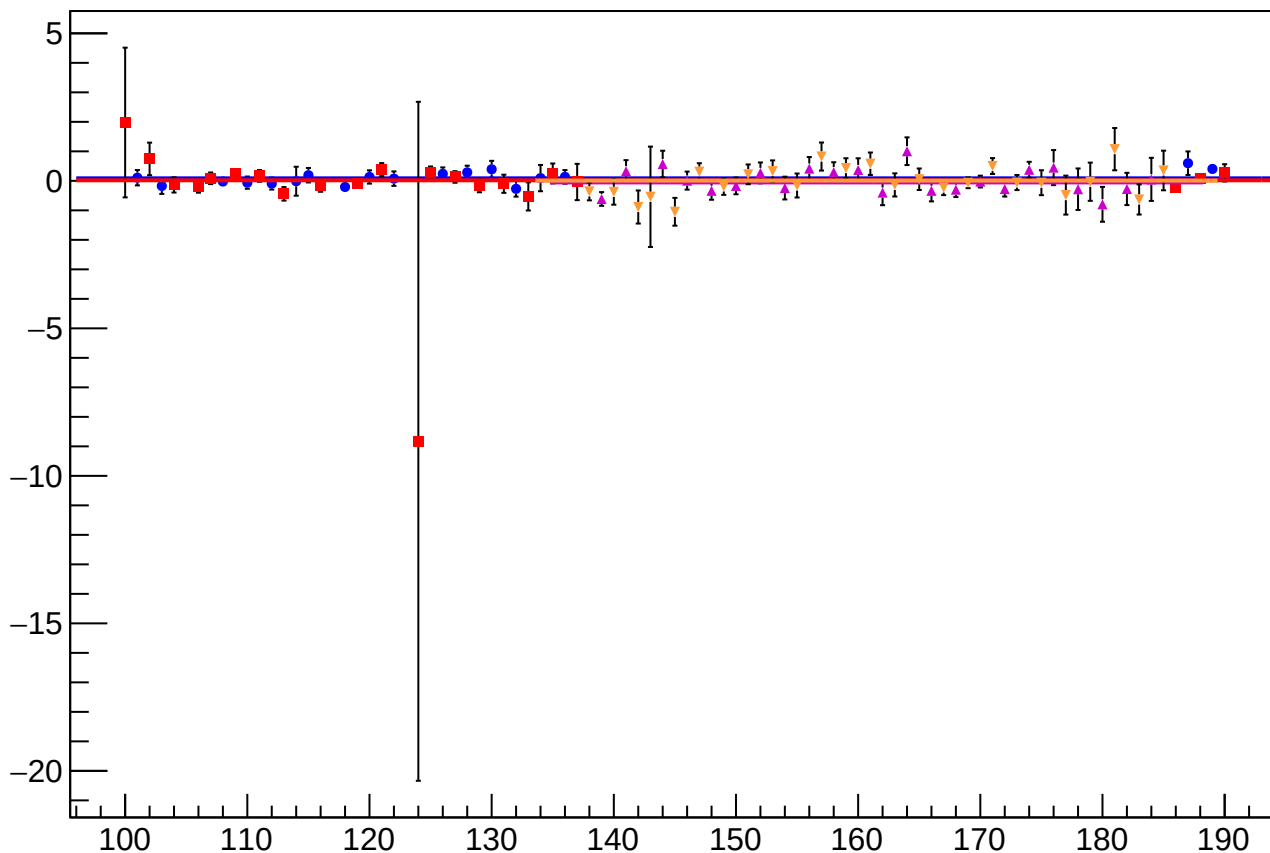
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1788279.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4910675.9/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9988043.9/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4825437.8/44

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

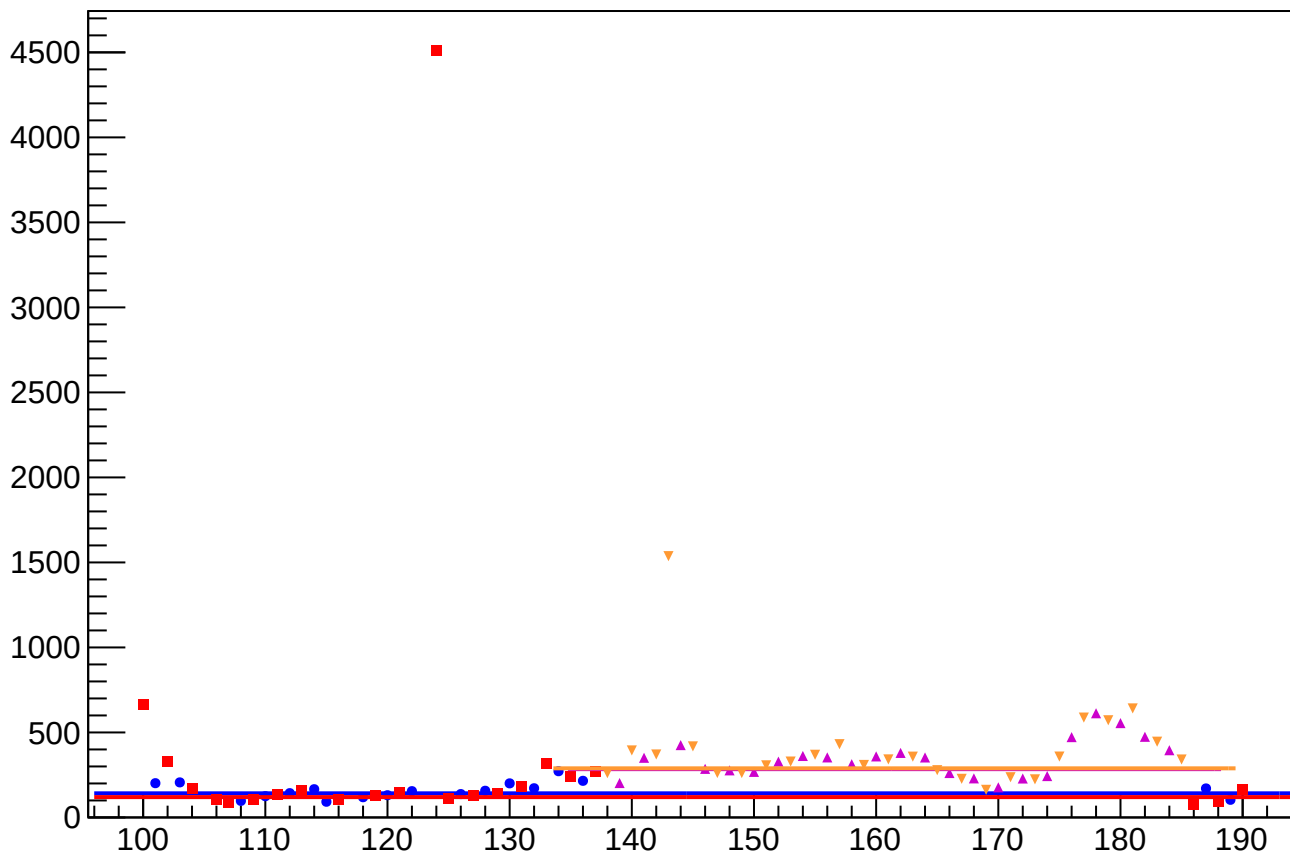
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 141.924 $\pm$ 0.038 χ^2 /NDF: 1149472.7/17

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 119.636 $\pm$ 0.031 χ^2 /NDF: 2197259.6/21

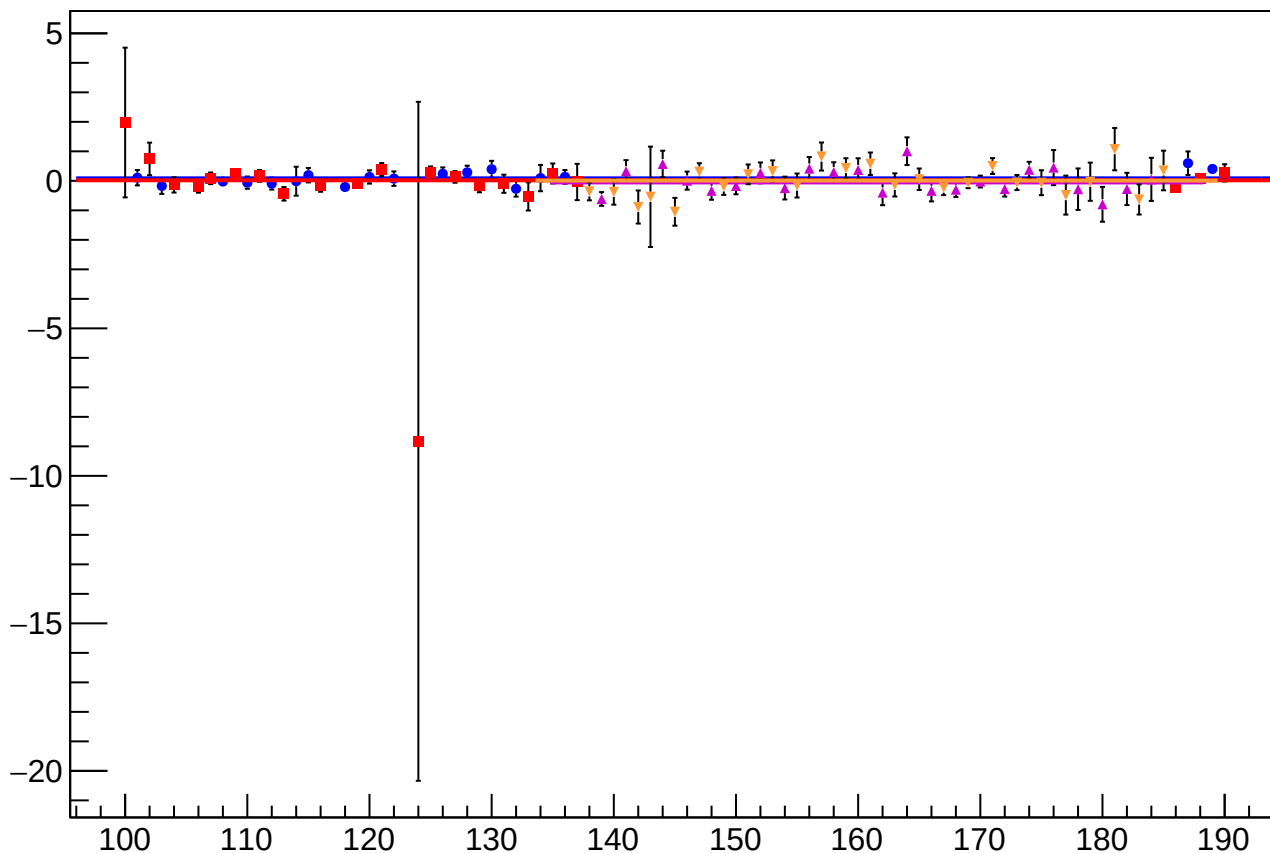
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 195.074 $\pm$ 0.030 χ^2 /NDF: 11268159.1/42

All: 178.852 $\pm$ 0.020 χ^2 /NDF: 24876570.4/87

- sign 166.337 $\pm$ 0.027 χ^2 /NDF: 13097163.0/44

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

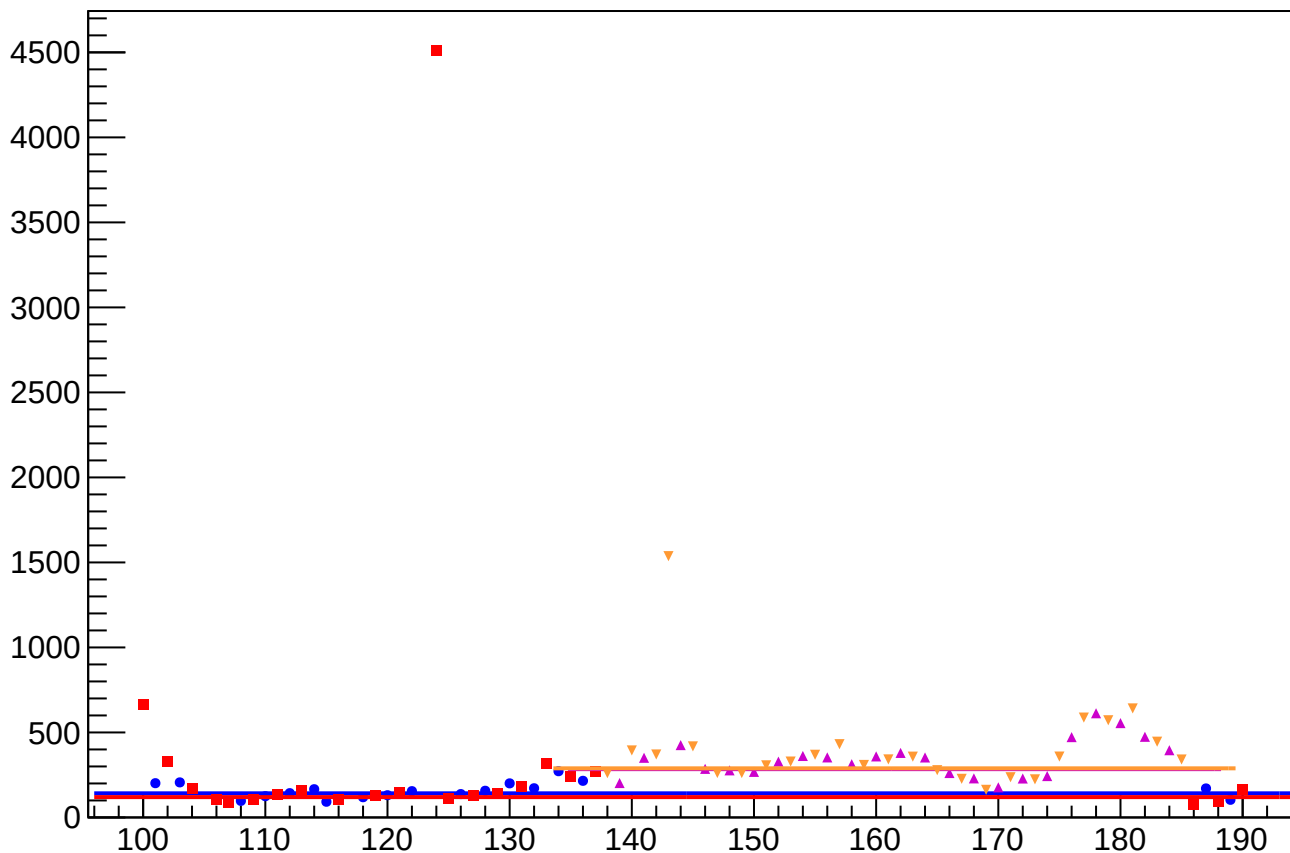
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.924+/-0.038 χ^2/NDF : 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 119.636+/-0.031 χ^2/NDF : 2197259.6/21

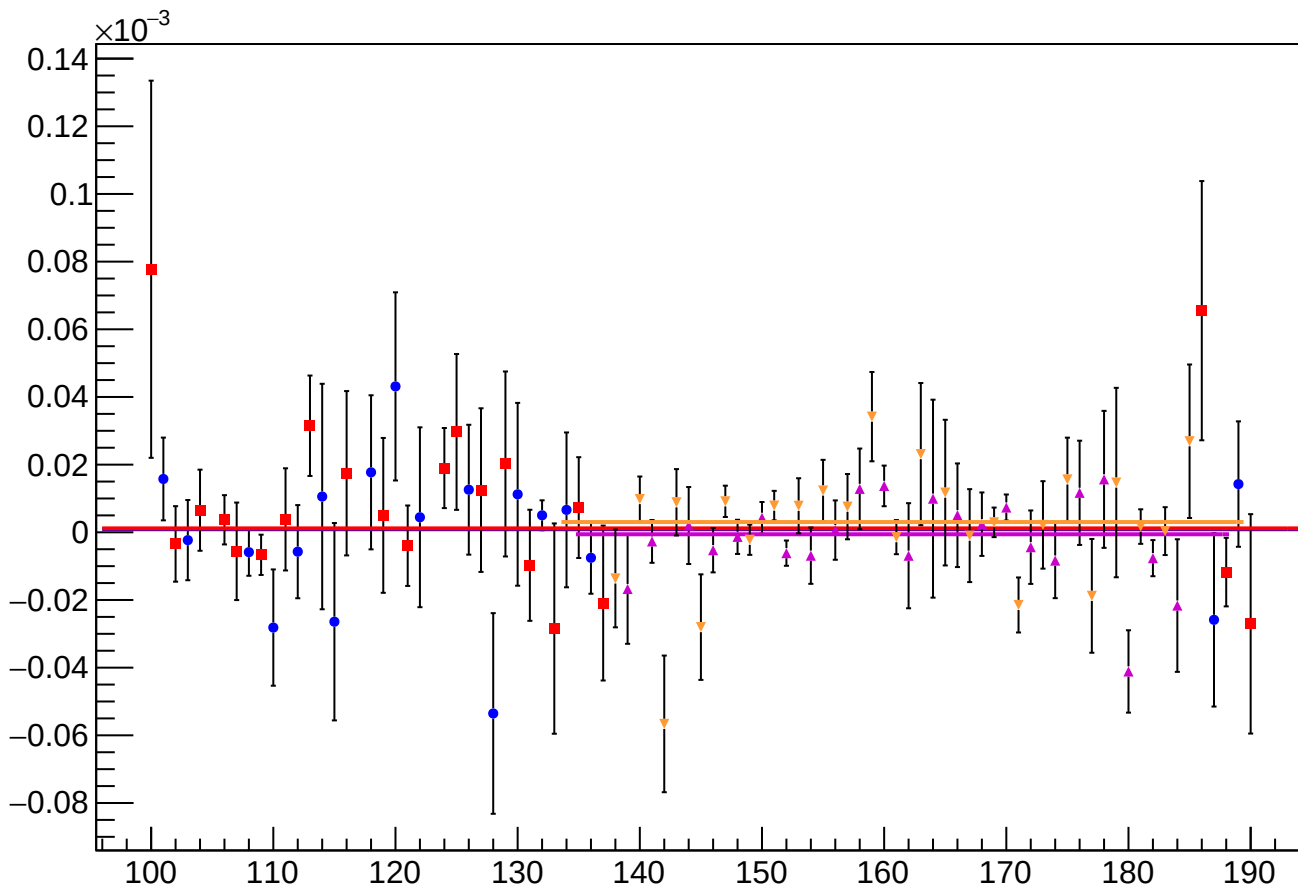
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF : 11268159.1/42

All: 178.852+/-0.020 χ^2/NDF : 24876570.4/87

- sign 166.337+/-0.027 χ^2/NDF : 13097163.0/44

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/21

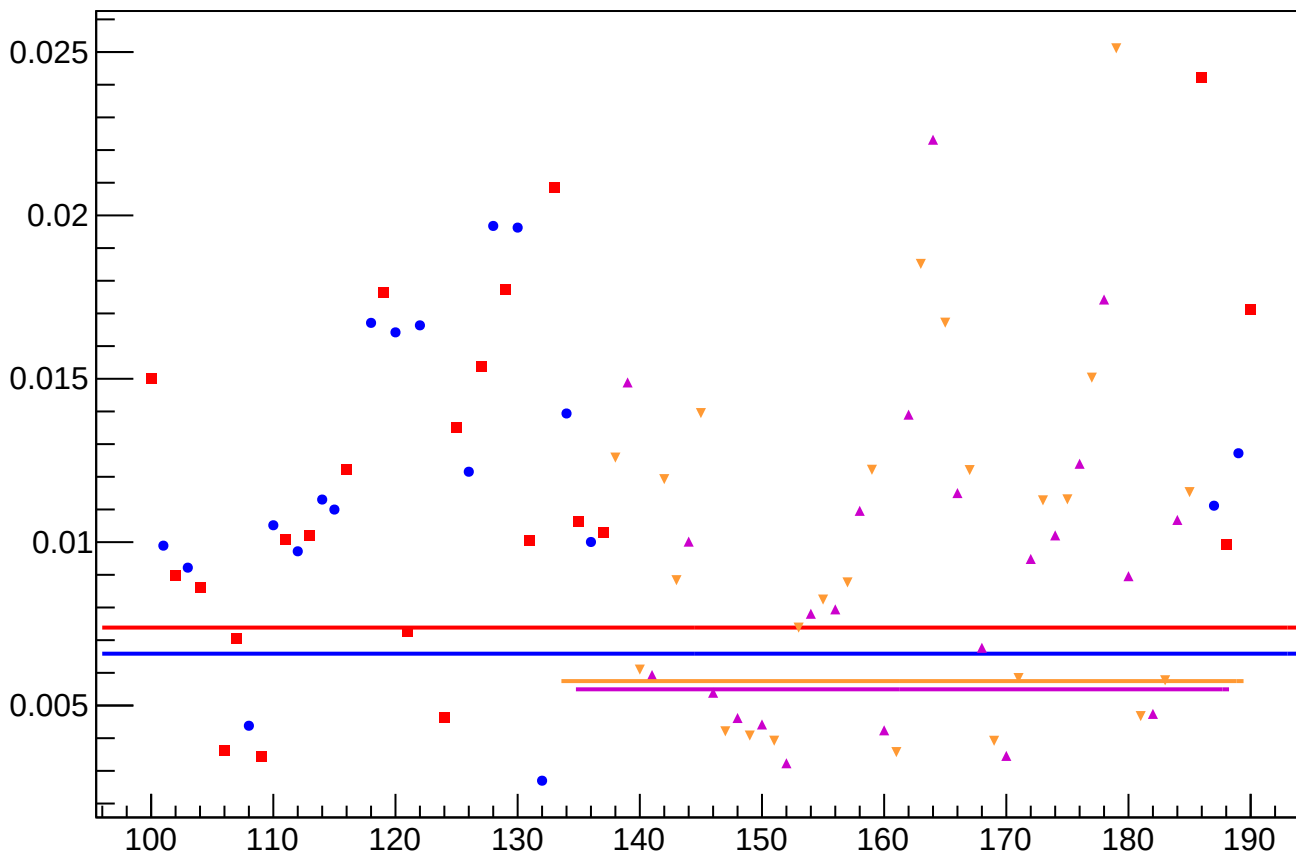
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.1/42

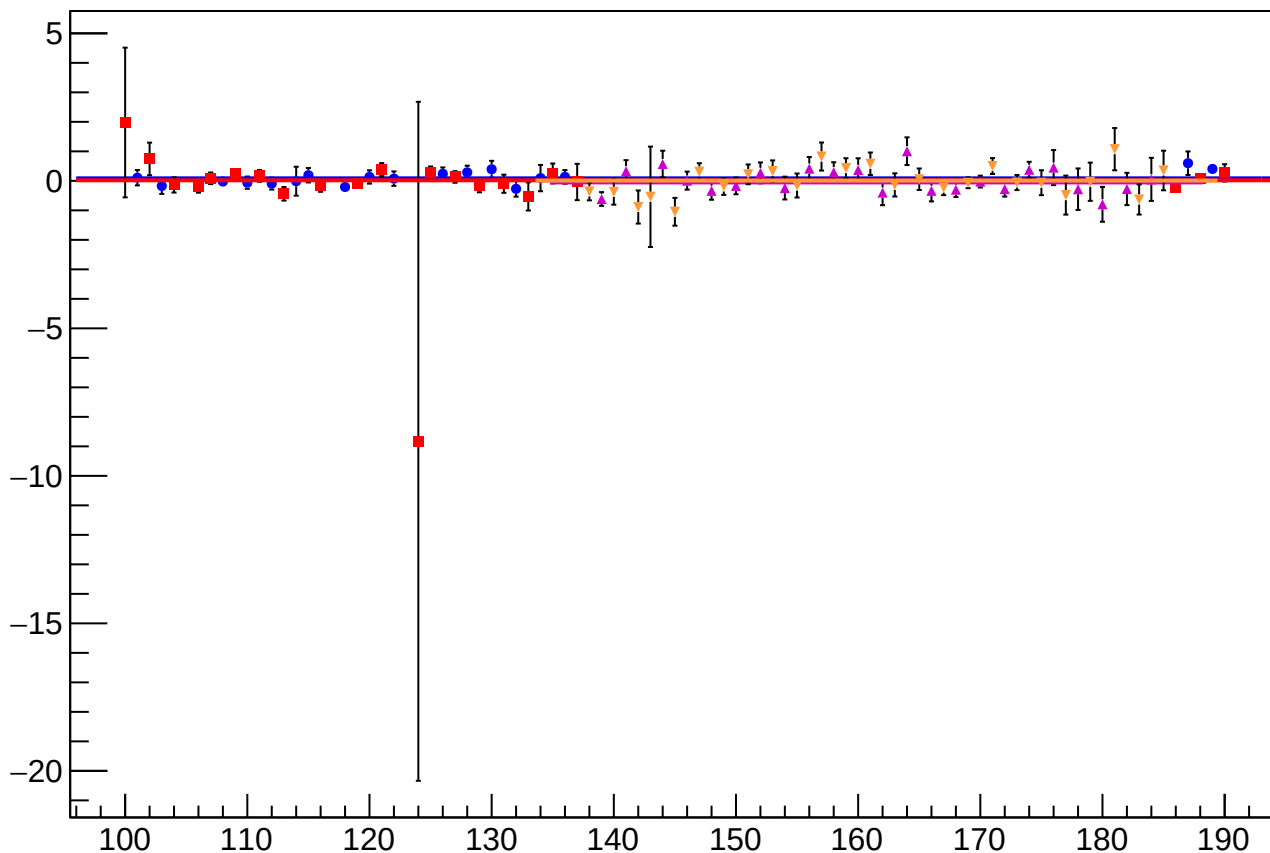
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 116.1/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.8/44

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

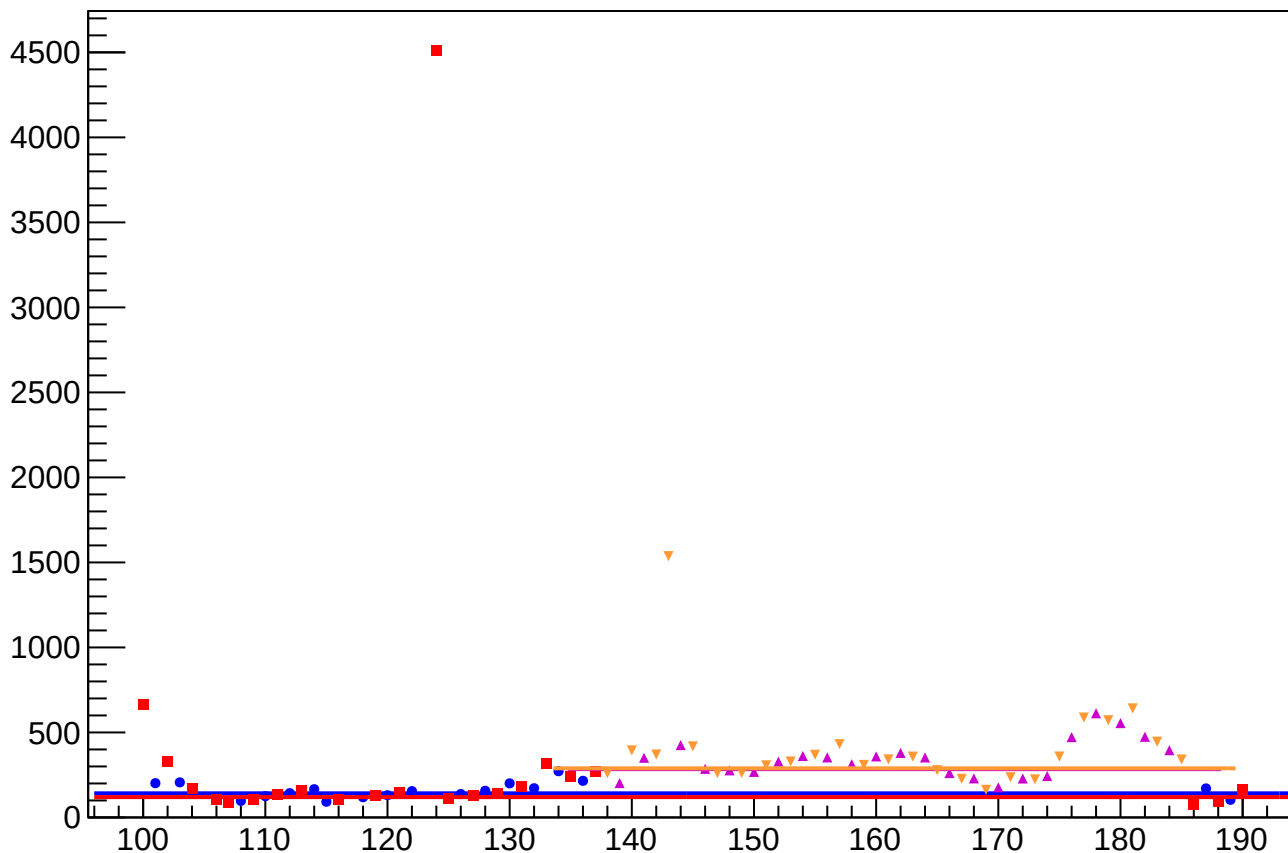
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 141.923+/-0.038 χ^2/NDF : 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF : 2197111.3/21

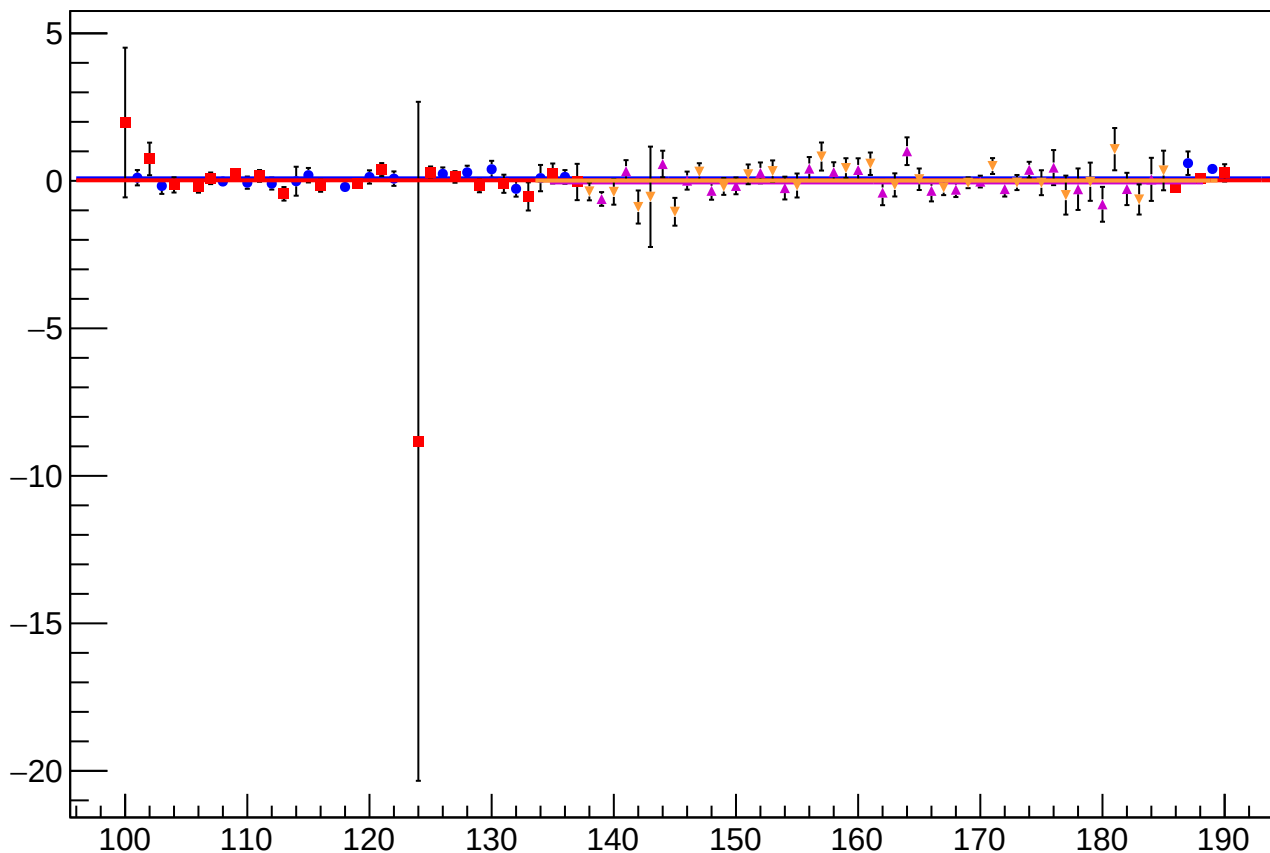
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF : 11268366.3/42

All: 178.853+/-0.020 χ^2/NDF : 24876501.4/87

- sign 166.339+/-0.027 χ^2/NDF : 13096983.9/44

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

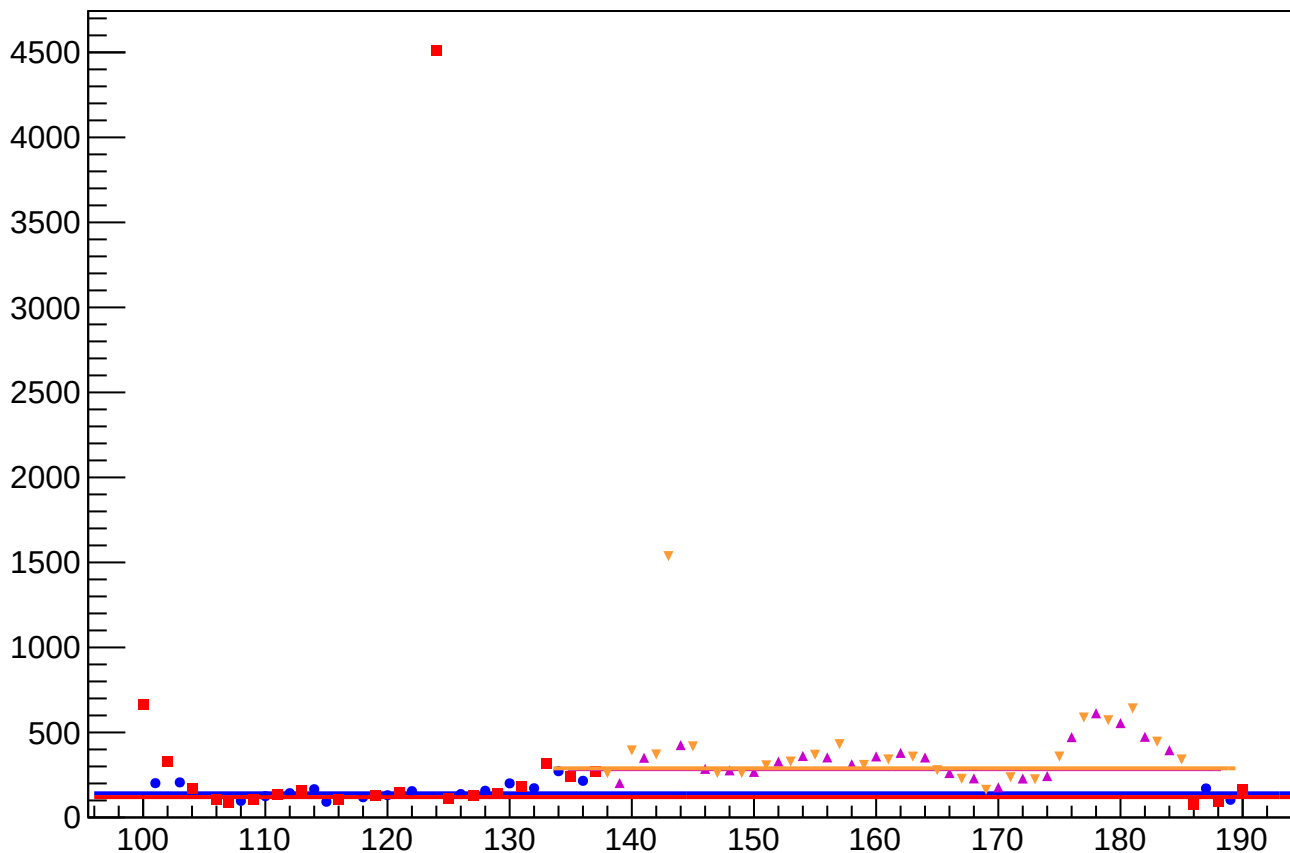
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.923+/-0.038 χ^2/NDF : 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF : 2197111.3/21

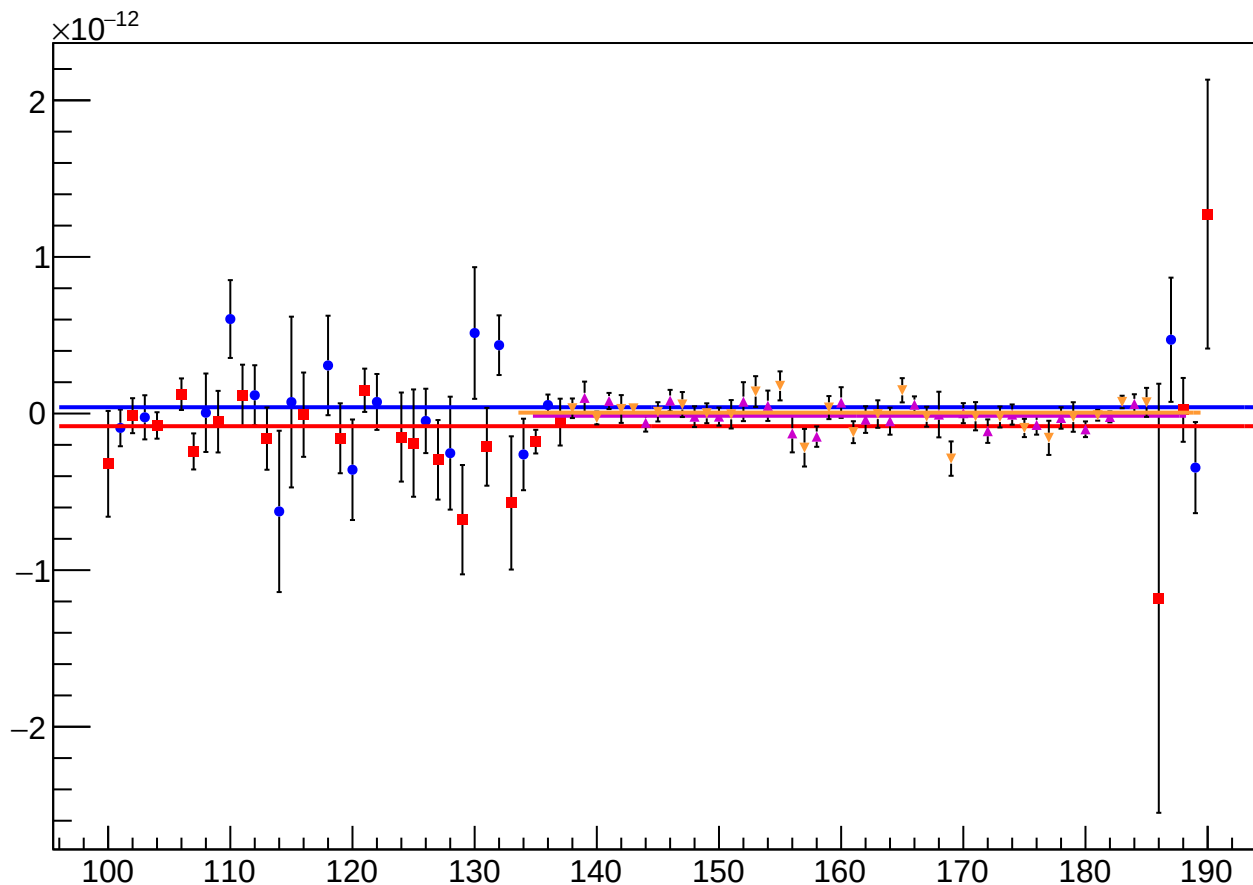
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF : 11268366.3/42

All: 178.853+/-0.020 χ^2/NDF : 24876501.4/87

- sign 166.339+/-0.027 χ^2/NDF : 13096983.9/44

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 21.9/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 34.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.6/21

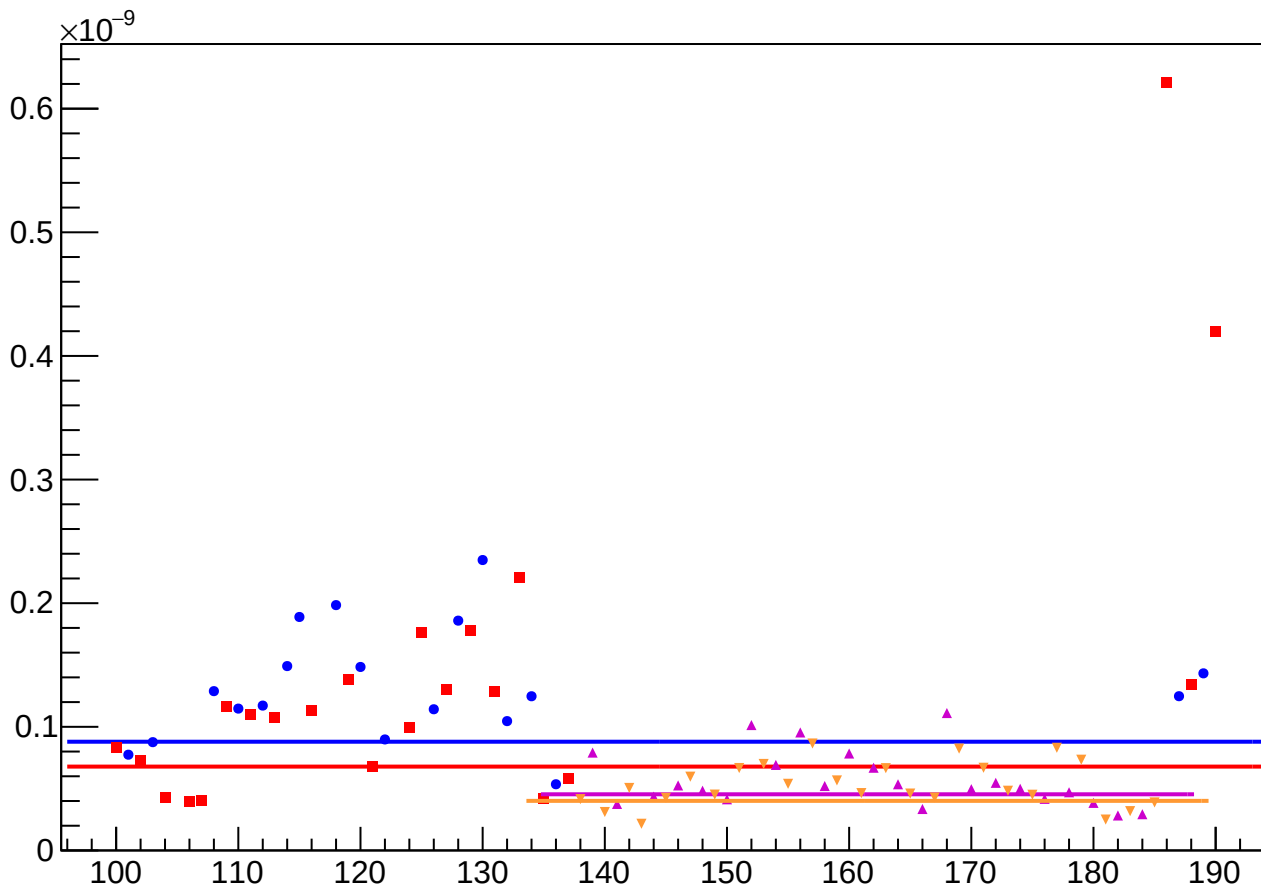
Left In: -0.000 ± 0.000 χ^2/NDF : 23.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 56.7/42

All: -0.000 ± 0.000 χ^2/NDF : 108.3/87

- sign -0.000 ± 0.000 χ^2/NDF : 48.2/44

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3047292.4/21

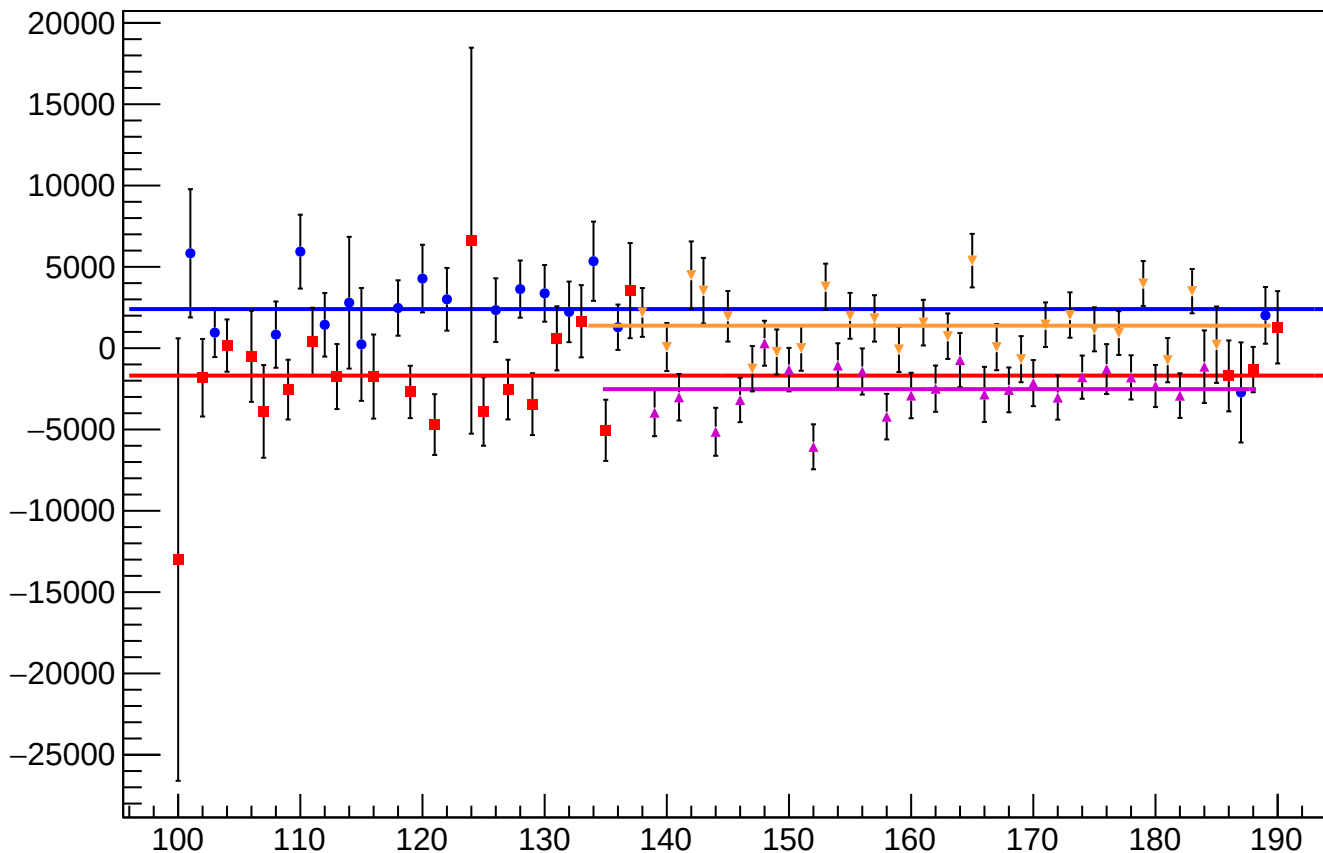
Left In: 0.000+/-0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 7654655.6/42

All: 0.000+/-0.000 χ^2/NDF : 14390042.4/87

- sign 0.000+/-0.000 χ^2/NDF : 6586517.2/44

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2403.429 $\pm$ 470.874 χ^2 /NDF: 12.0/17

Left Out: 1383.252 $\pm$ 292.777 χ^2 /NDF:32.9/24

Right Out: -1685.444 $\pm$ 446.619 χ^2 /NDF: 21.5/21

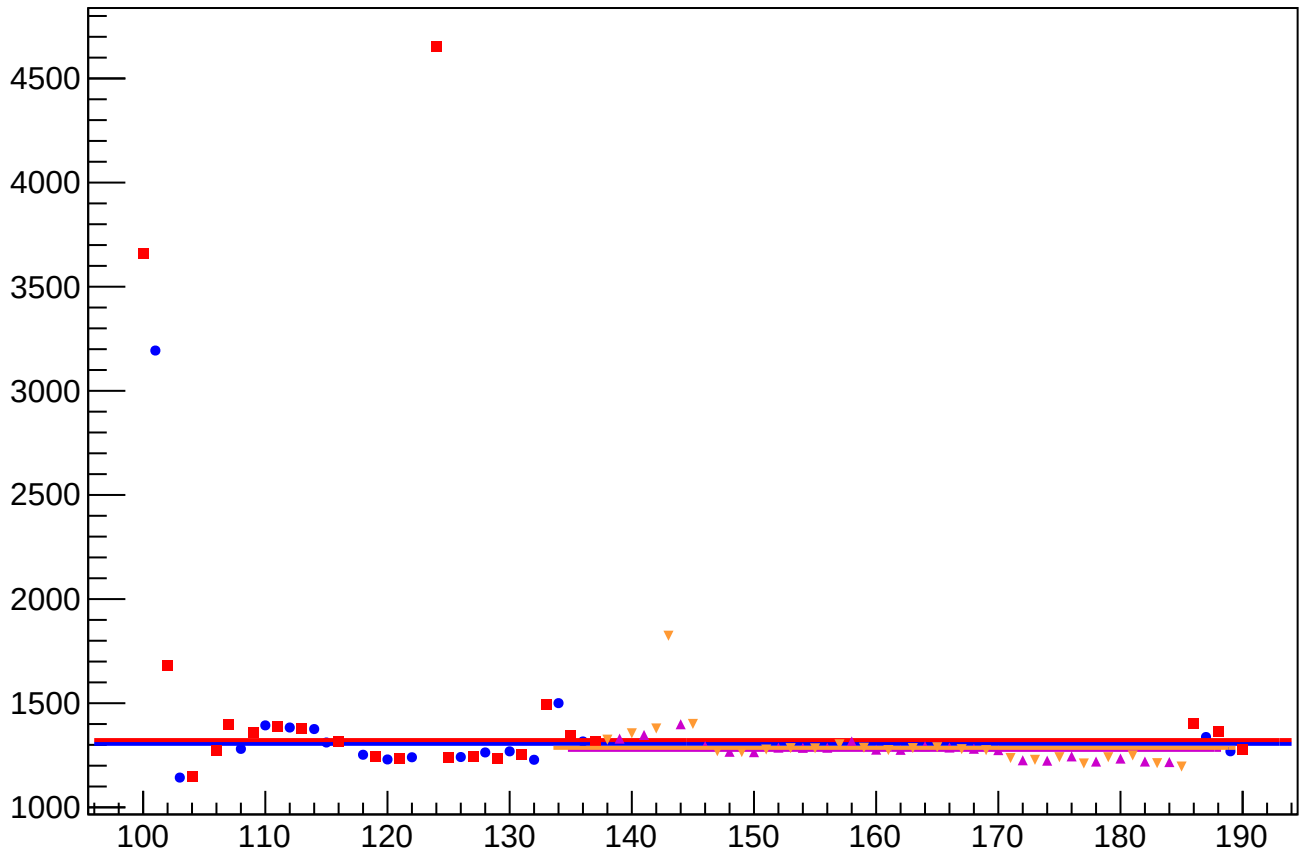
Left In: -2519.365 $\pm$ 298.095 χ^2 /NDF:22.5/22

+ sign 1667.690 $\pm$ 248.634 χ^2 /NDF: 48.3/42

All: -302.820 $\pm$ 175.565 χ^2 /NDF: 220.0/87

- sign -2262.357 $\pm$ 247.941 χ^2 /NDF: 46.4/44

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.019+/-0.333 χ^2/NDF : 517352.5/17

Left Out: 1285.649+/-0.207 χ^2/NDF : 191027.3/24

Right Out: 1322.977+/-0.315 χ^2/NDF : 331953.0/21

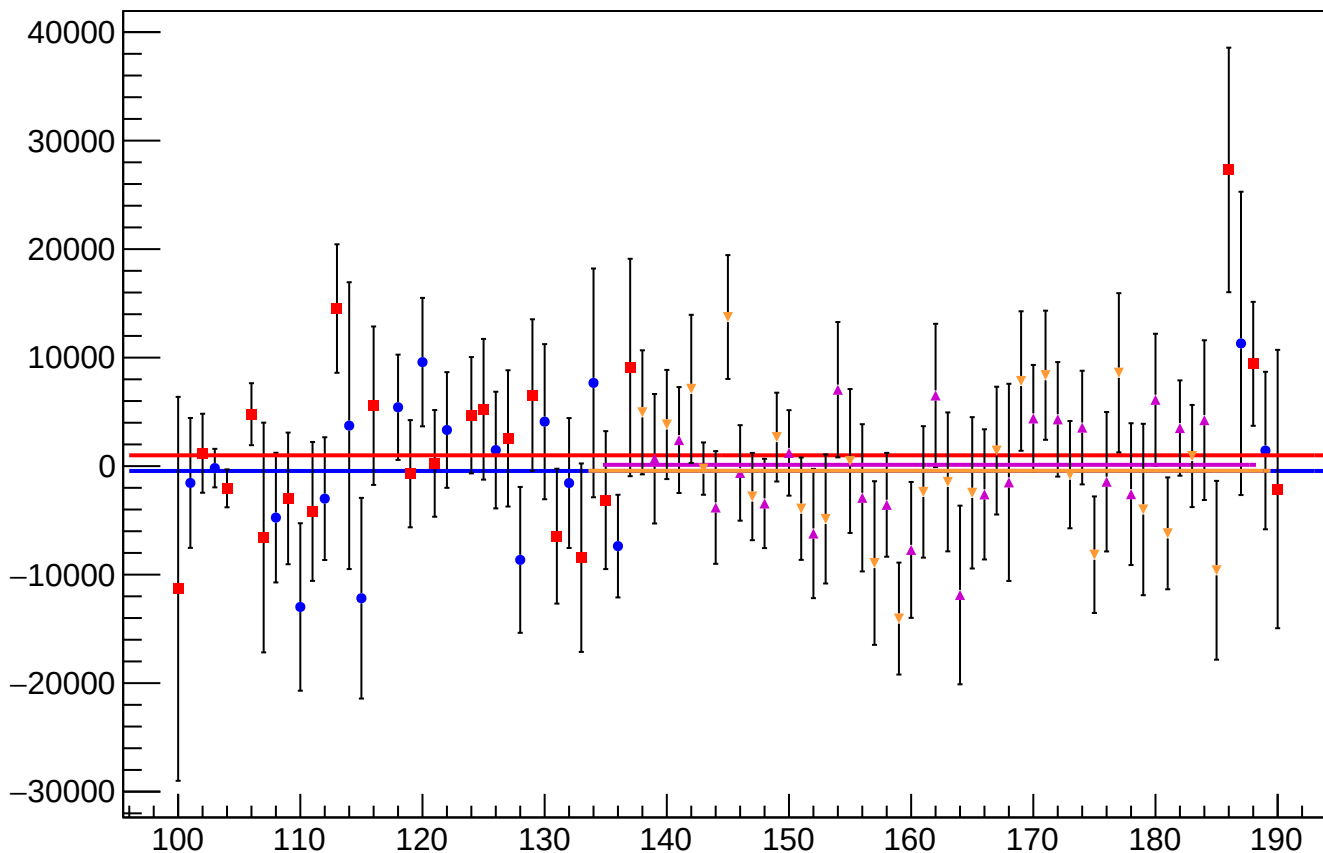
Left In: 1275.941+/-0.211 χ^2/NDF : 41399.0/22

+ sign 1291.050+/-0.176 χ^2/NDF : 710820.4/42

All: 1290.764+/-0.124 χ^2/NDF : 1099571.0/87

- sign 1290.481+/-0.175 χ^2/NDF : 388745.3/44

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug



Right In: -445.350 ± 1172.919 χ^2/NDF : 15.5/17

Left Out: -428.530 ± 1038.038 χ^2/NDF : 29.8/24

Right Out: 997.541 ± 1030.158 χ^2/NDF : 25.6/21

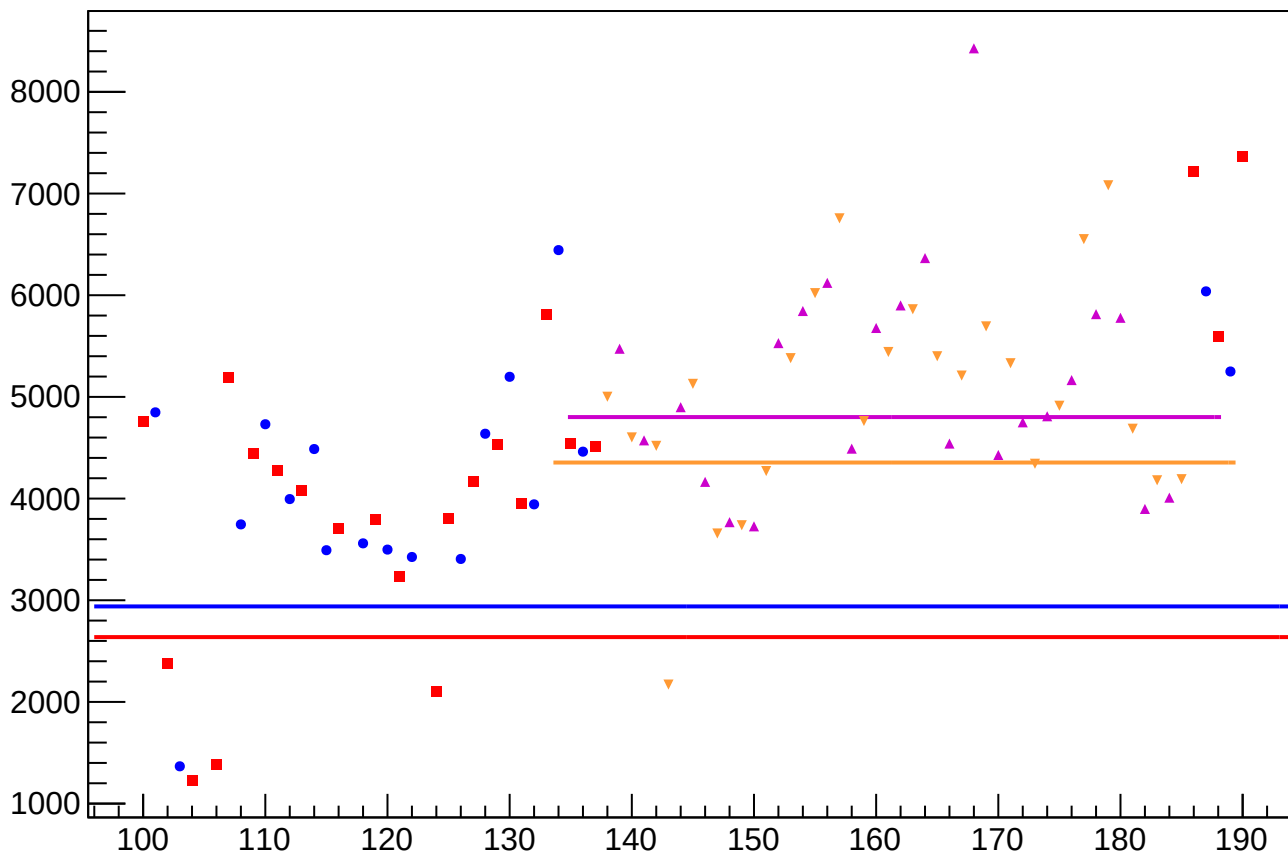
Left In: 119.335 ± 1144.695 χ^2/NDF : 13.6/22

+ sign -435.918 ± 777.337 χ^2/NDF : 45.3/42

All: 92.146 ± 545.511 χ^2/NDF : 85.8/87

- sign 604.561 ± 765.733 χ^2/NDF : 39.5/44

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 2939.282+/-0.829 χ^2/NDF : 3215975.5/17

Left Out: 4354.526+/-0.734 χ^2/NDF : 3071436.3/24

Right Out: 2637.572+/-0.728 χ^2/NDF : 4546216.0/21

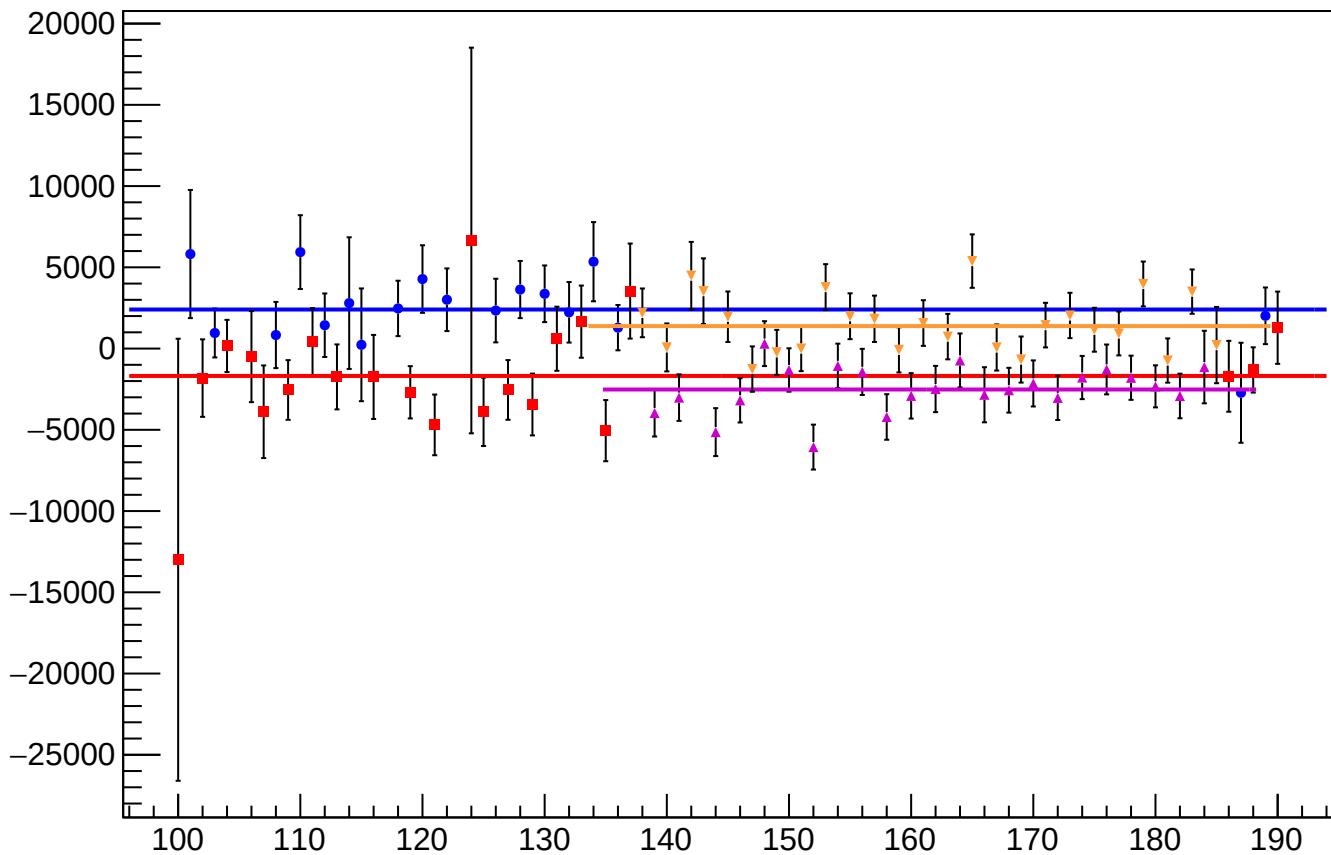
Left In: 4801.573+/-0.809 χ^2/NDF : 1231883.2/22

+ sign 3732.922+/-0.550 χ^2/NDF : 7920271.5/42

All: 3668.467+/-0.386 χ^2/NDF : 17674695.1/8

- sign 3605.921+/-0.541 χ^2/NDF : 9727329.4/44

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2403.212 $\pm$ 470.874 χ^2 /NDF: 12.0/17

Left Out: 1383.188 $\pm$ 292.777 χ^2 /NDF:32.9/24

Right Out: -1685.220 $\pm$ 446.619 χ^2 /NDF: 21.6/21

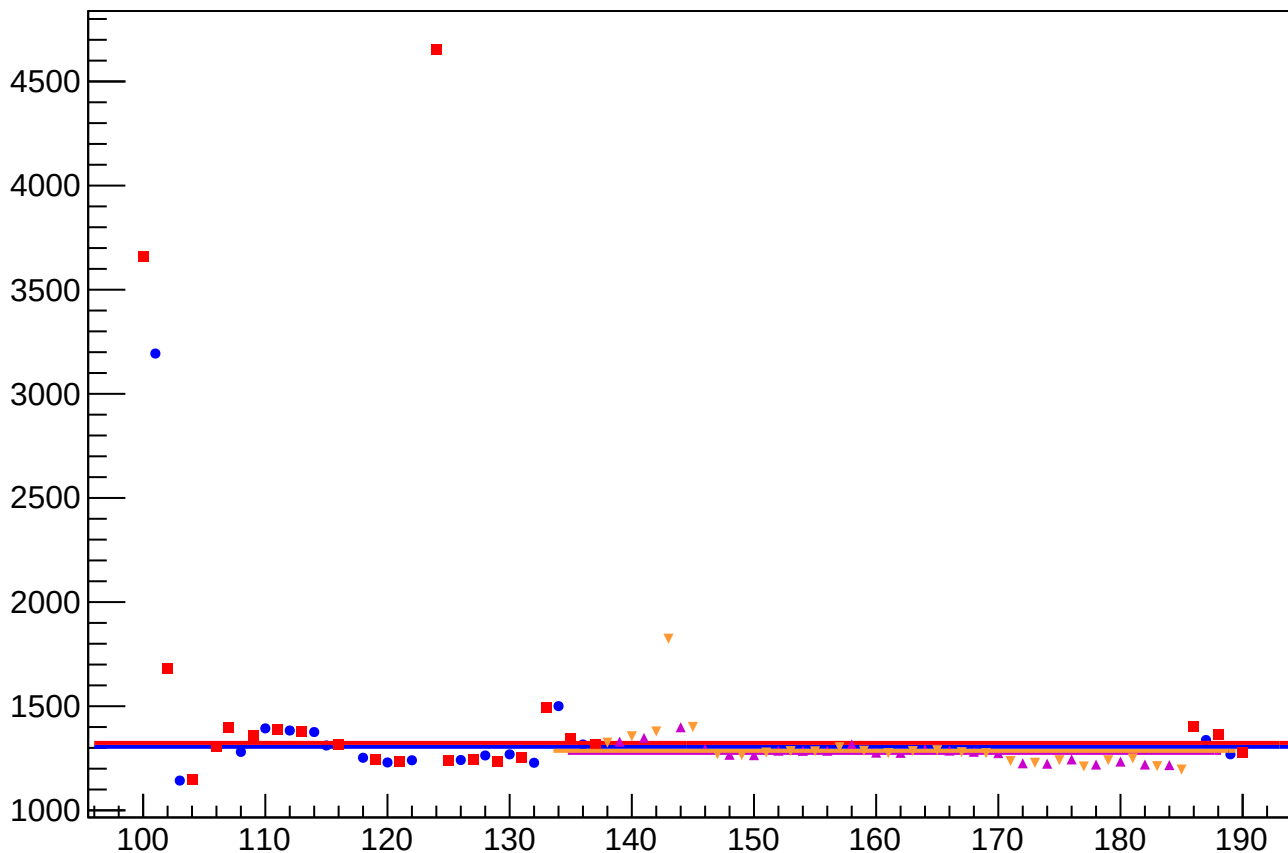
Left In: -2519.366 $\pm$ 298.095 χ^2 /NDF:22.5/22

+ sign 1667.582 $\pm$ 248.634 χ^2 /NDF: 48.3/42

All: -302.840 $\pm$ 175.565 χ^2 /NDF: 220.0/87

- sign -2262.289 $\pm$ 247.941 χ^2 /NDF: 46.4/44

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.018 $\pm$ 0.333 χ^2 /NDF: 517354.0/17

Left Out: 1285.649 $\pm$ 0.207 χ^2 /NDF: 191027.3/24

Right Out: 1323.907 $\pm$ 0.315 χ^2 /NDF: 331331.6/21

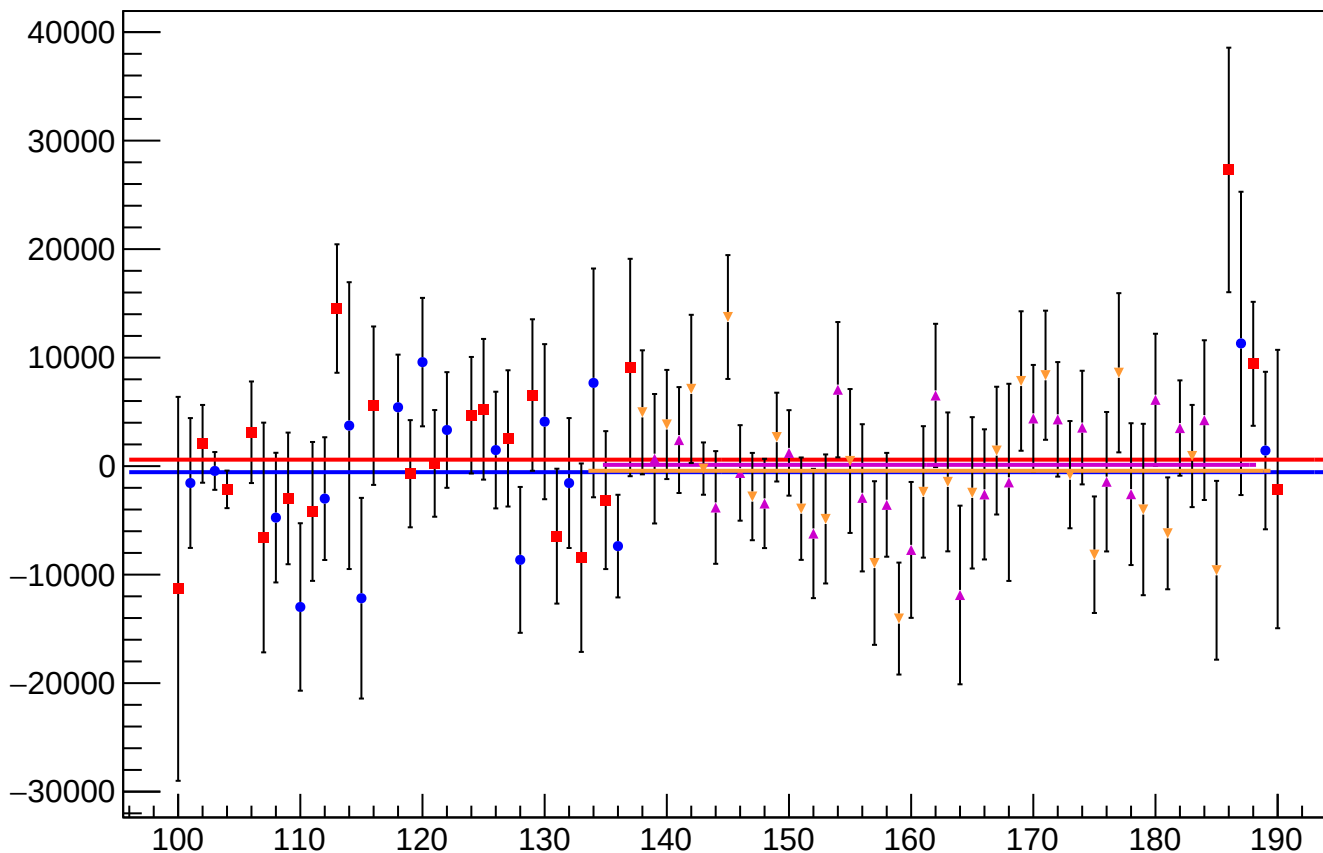
Left In: 1275.941 $\pm$ 0.211 χ^2 /NDF: 41399.0/22

+ sign 1291.049 $\pm$ 0.176 χ^2 /NDF: 710821.9/42

All: 1290.902 $\pm$ 0.124 χ^2 /NDF: 1099547.6/87

- sign 1290.755 $\pm$ 0.175 χ^2 /NDF: 388724.3/44

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug



Right In: -557.399+/-1163.000 χ^2/NDF : 15.5/17

Left Out: -428.525+/-1038.036 χ^2/NDF : 29.8/24

Right Out: 596.281+/-1069.815 χ^2/NDF : 24.2/21

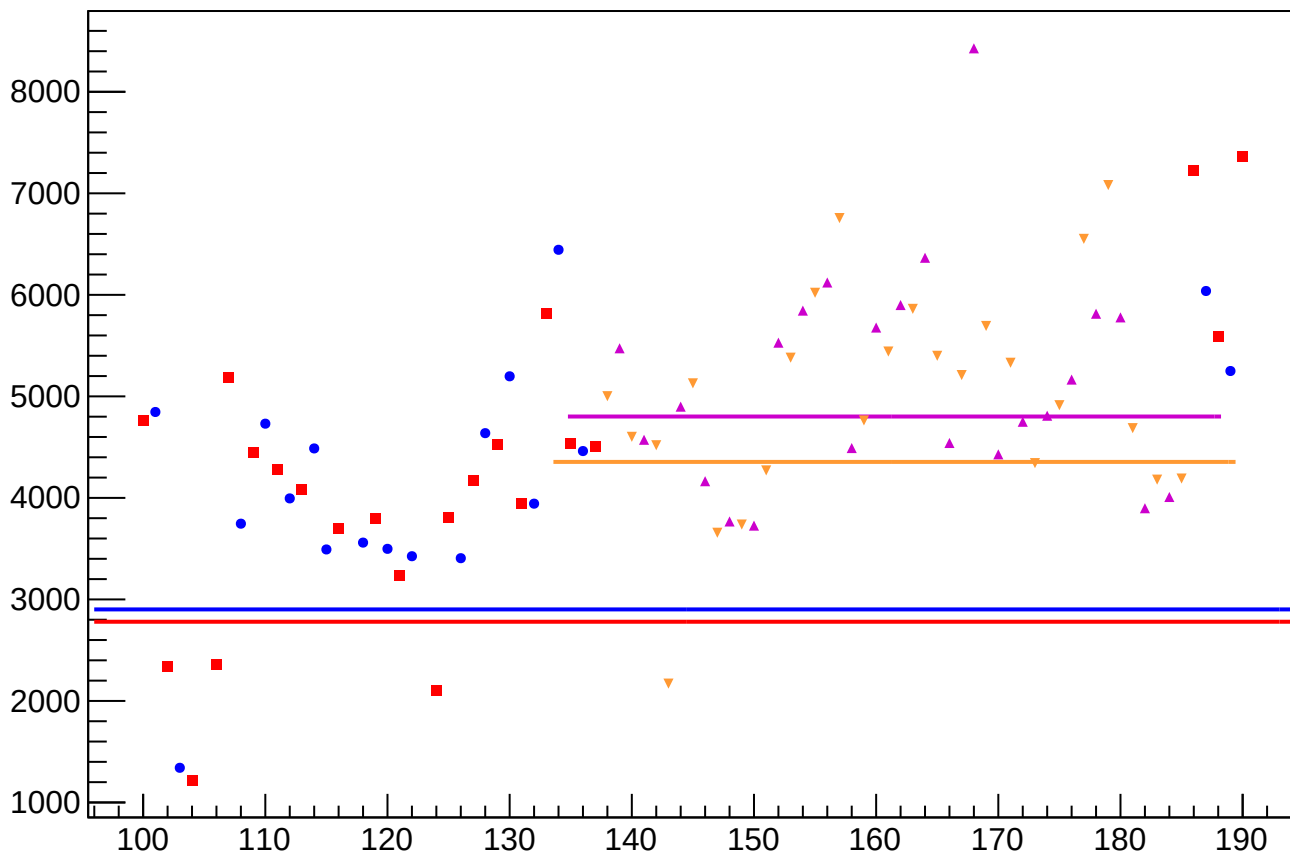
Left In: 119.307+/-1144.695 χ^2/NDF : 13.6/22

+ sign -485.669+/-774.428 χ^2/NDF : 45.3/42

All: -59.847+/-550.123 χ^2/NDF : 83.9/87

- sign 373.904+/-781.606 χ^2/NDF : 37.9/44

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug



Right In: 2901.558+/-0.822 χ^2/NDF : 3327932.9/17

Left Out: 4354.511+/-0.734 χ^2/NDF : 3071528.5/24

Right Out: 2780.140+/-0.756 χ^2/NDF : 4184077.2/21

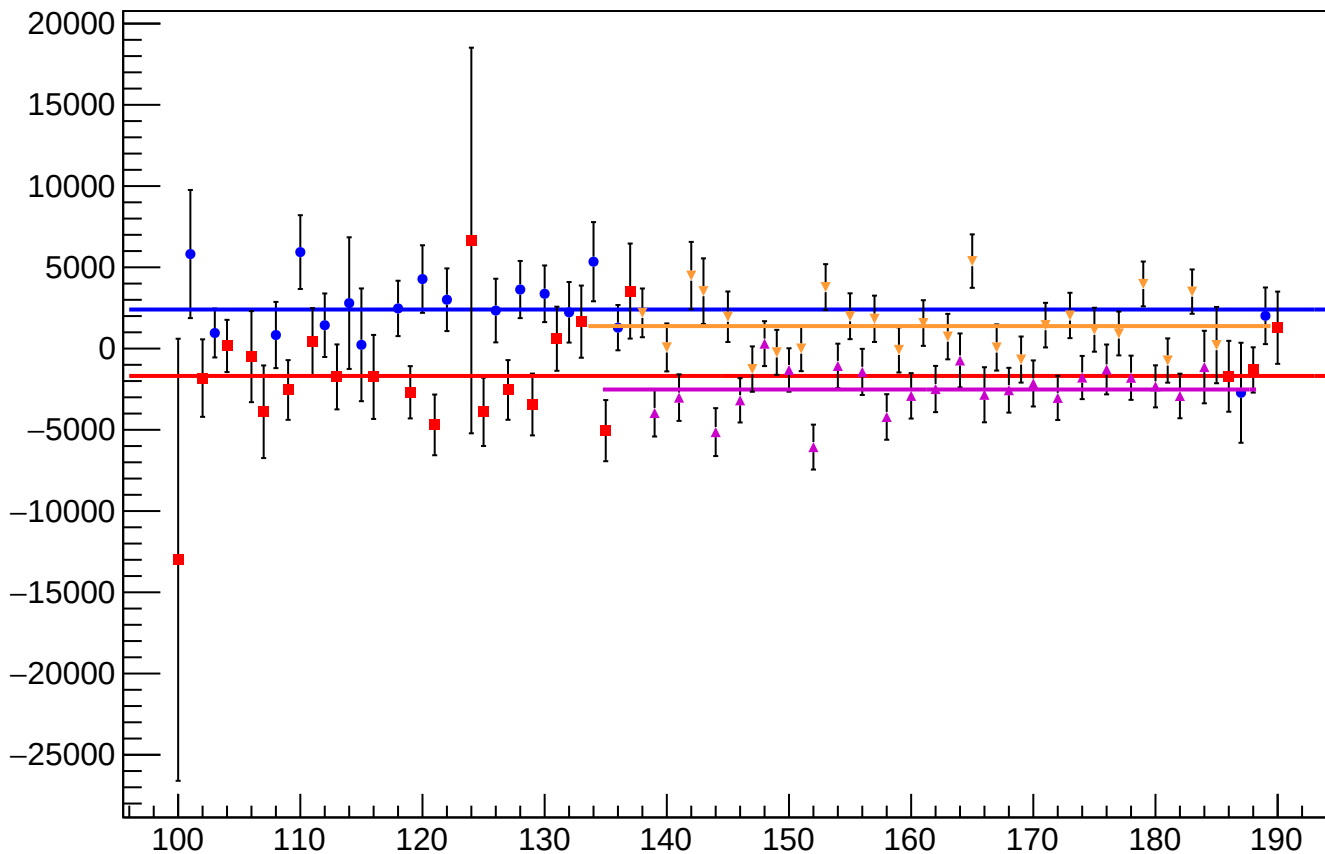
Left In: 4801.570+/-0.809 χ^2/NDF : 1231894.6/22

+ sign 3710.261+/-0.548 χ^2/NDF : 8136907.5/42

All: 3716.365+/-0.389 χ^2/NDF : 16882224.9/8

- sign 3722.582+/-0.553 χ^2/NDF : 8745066.7/44

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2403.212 $\pm$ 470.874 χ^2 /NDF: 12.0/17

Left Out: 1383.188 $\pm$ 292.777 χ^2 /NDF:32.9/24

Right Out: -1685.220 $\pm$ 446.619 χ^2 /NDF: 21.6/21

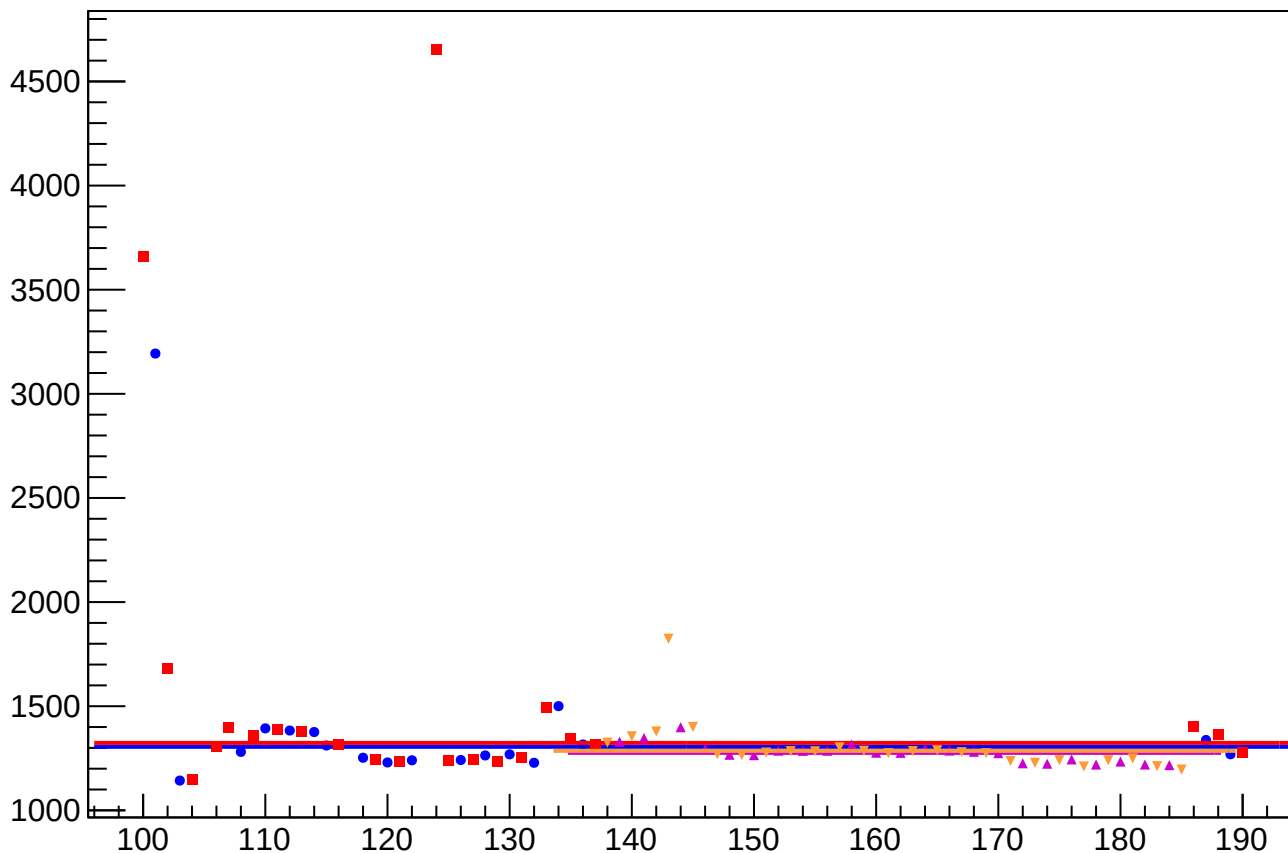
Left In: -2519.366 $\pm$ 298.095 χ^2 /NDF:22.5/22

+ sign 1667.582 $\pm$ 248.634 χ^2 /NDF: 48.3/42

All: -302.840 $\pm$ 175.565 χ^2 /NDF: 220.0/87

- sign -2262.289 $\pm$ 247.941 χ^2 /NDF: 46.4/44

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.018 $\pm$ 0.333 χ^2 /NDF: 517354.0/17

Left Out: 1285.649 $\pm$ 0.207 χ^2 /NDF: 191027.3/24

Right Out: 1323.907 $\pm$ 0.315 χ^2 /NDF: 331331.6/21

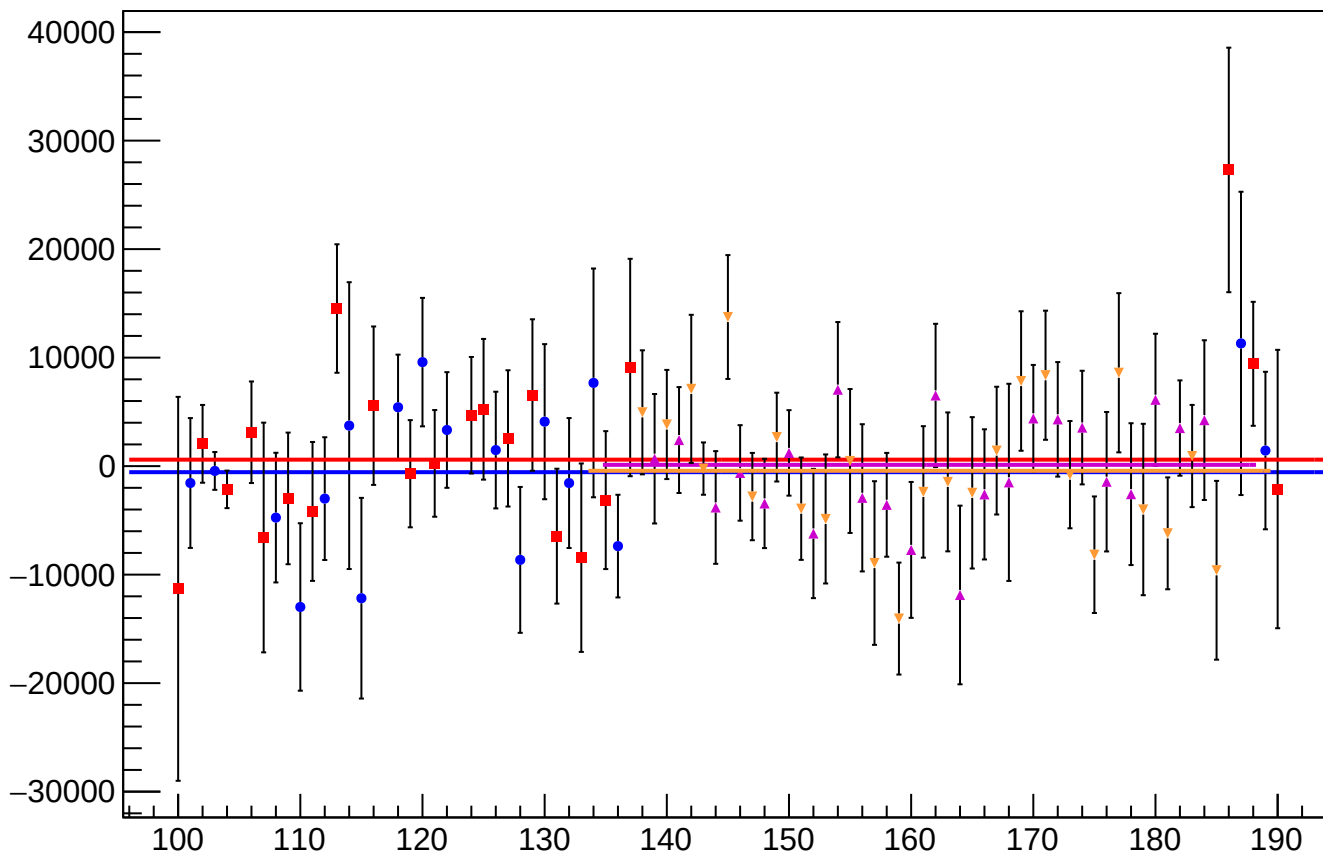
Left In: 1275.941 $\pm$ 0.211 χ^2 /NDF: 41399.0/22

+ sign 1291.049 $\pm$ 0.176 χ^2 /NDF: 710821.9/42

All: 1290.902 $\pm$ 0.124 χ^2 /NDF: 1099547.6/87

- sign 1290.755 $\pm$ 0.175 χ^2 /NDF: 388724.3/44

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -557.399+/-1163.000 χ^2/NDF : 15.5/17

Left Out: -428.525+/-1038.036 χ^2/NDF : 29.8/24

Right Out: 596.281+/-1069.815 χ^2/NDF : 24.2/21

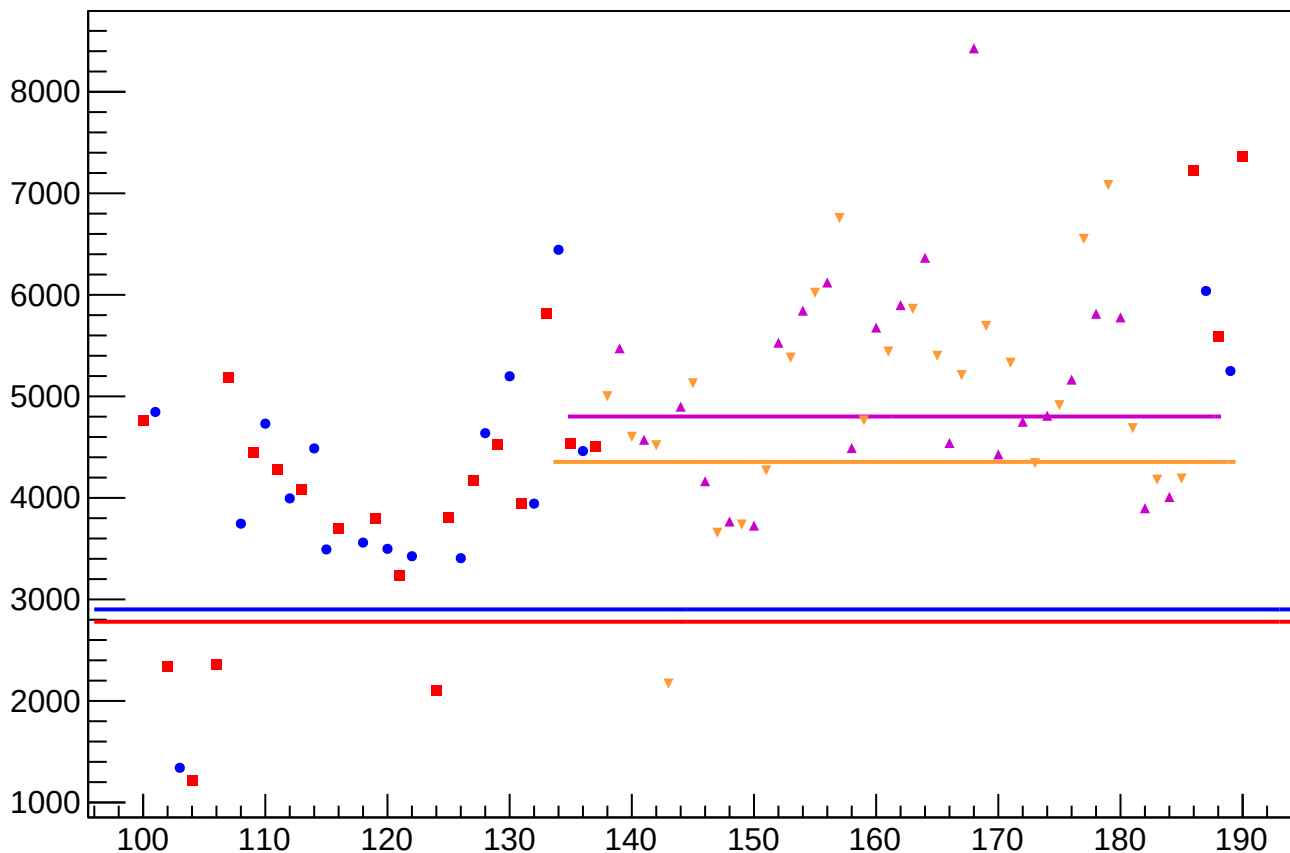
Left In: 119.307+/-1144.695 χ^2/NDF : 13.6/22

+ sign -485.669+/-774.428 χ^2/NDF : 45.3/42

All: -59.847+/-550.123 χ^2/NDF : 83.9/87

- sign 373.904+/-781.606 χ^2/NDF : 37.9/44

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 2901.558+/-0.822 χ^2/NDF : 3327932.9/17

Left Out: 4354.511+/-0.734 χ^2/NDF : 3071528.5/24

Right Out: 2780.140+/-0.756 χ^2/NDF : 4184077.2/21

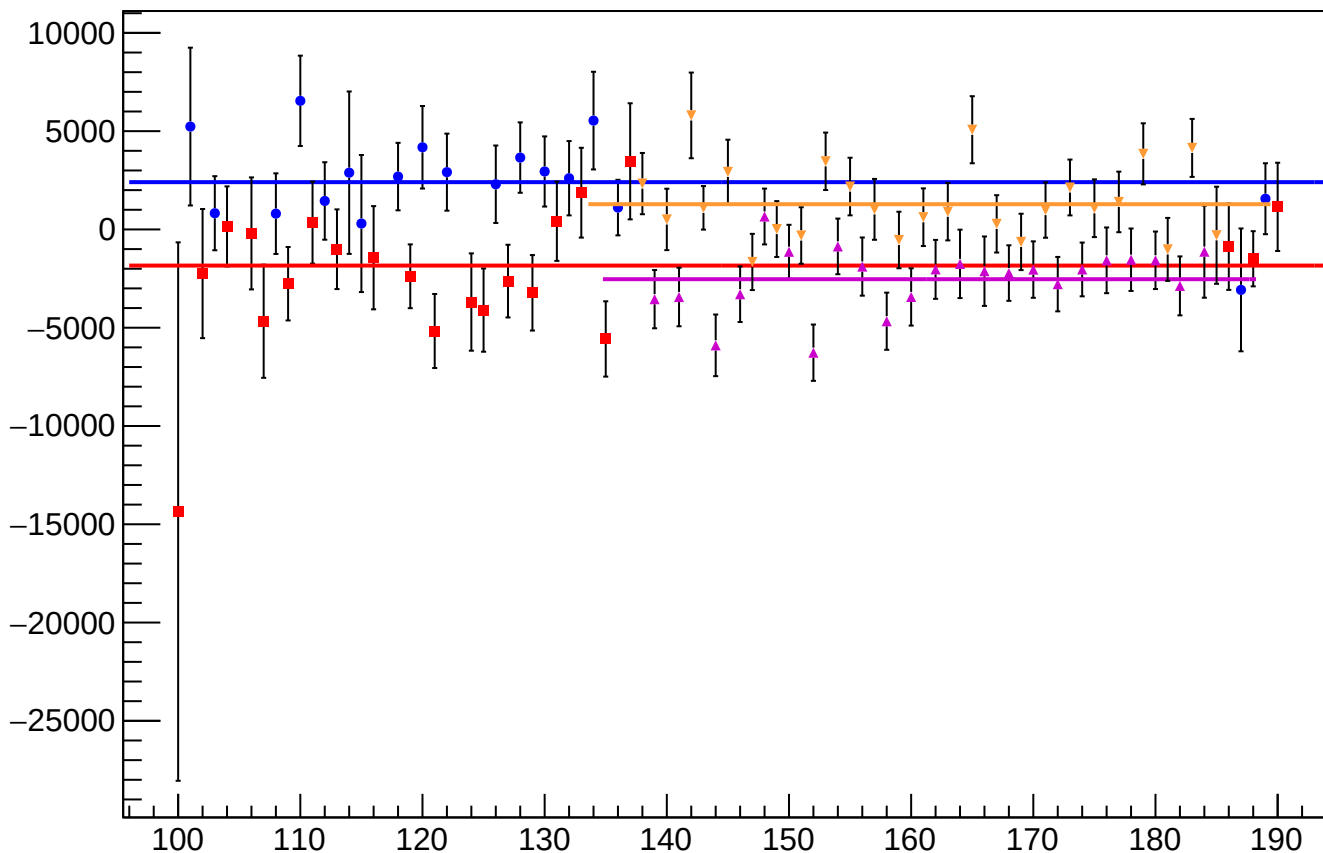
Left In: 4801.570+/-0.809 χ^2/NDF : 1231894.6/22

+ sign 3710.261+/-0.548 χ^2/NDF : 8136907.5/42

All: 3716.365+/-0.389 χ^2/NDF : 16882224.9/8

- sign 3722.582+/-0.553 χ^2/NDF : 8745066.7/44

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2405.839 $\pm$ 486.133 χ^2/NDF : 12.8/17

Left Out: 1284.422 $\pm$ 300.530 χ^2/NDF : 33.4/24

Right Out: -1838.843 $\pm$ 454.724 χ^2/NDF : 23.2/21

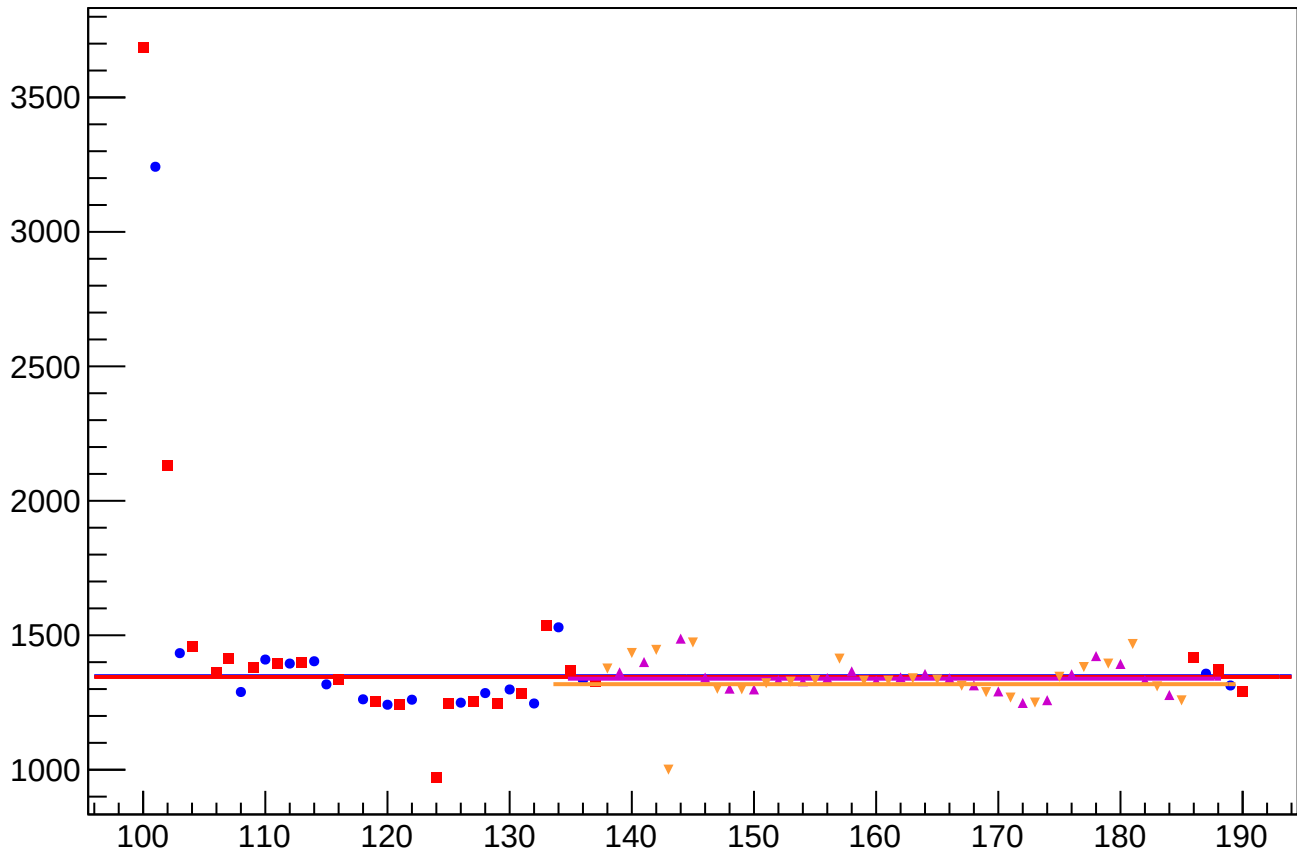
Left In: -2531.791 $\pm$ 312.886 χ^2/NDF : 25.0/22

+ sign 1594.498 $\pm$ 255.626 χ^2/NDF : 50.0/42

All: -341.079 $\pm$ 181.505 χ^2/NDF : 215.4/87

- sign -2309.131 $\pm$ 257.762 χ^2/NDF : 49.8/44

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1347.845 $\pm$ 0.344 χ^2 /NDF: 494851.6/17

Left Out: 1318.174 $\pm$ 0.213 χ^2 /NDF: 248547.7/24

Right Out: 1344.985 $\pm$ 0.321 χ^2 /NDF: 276333.1/21

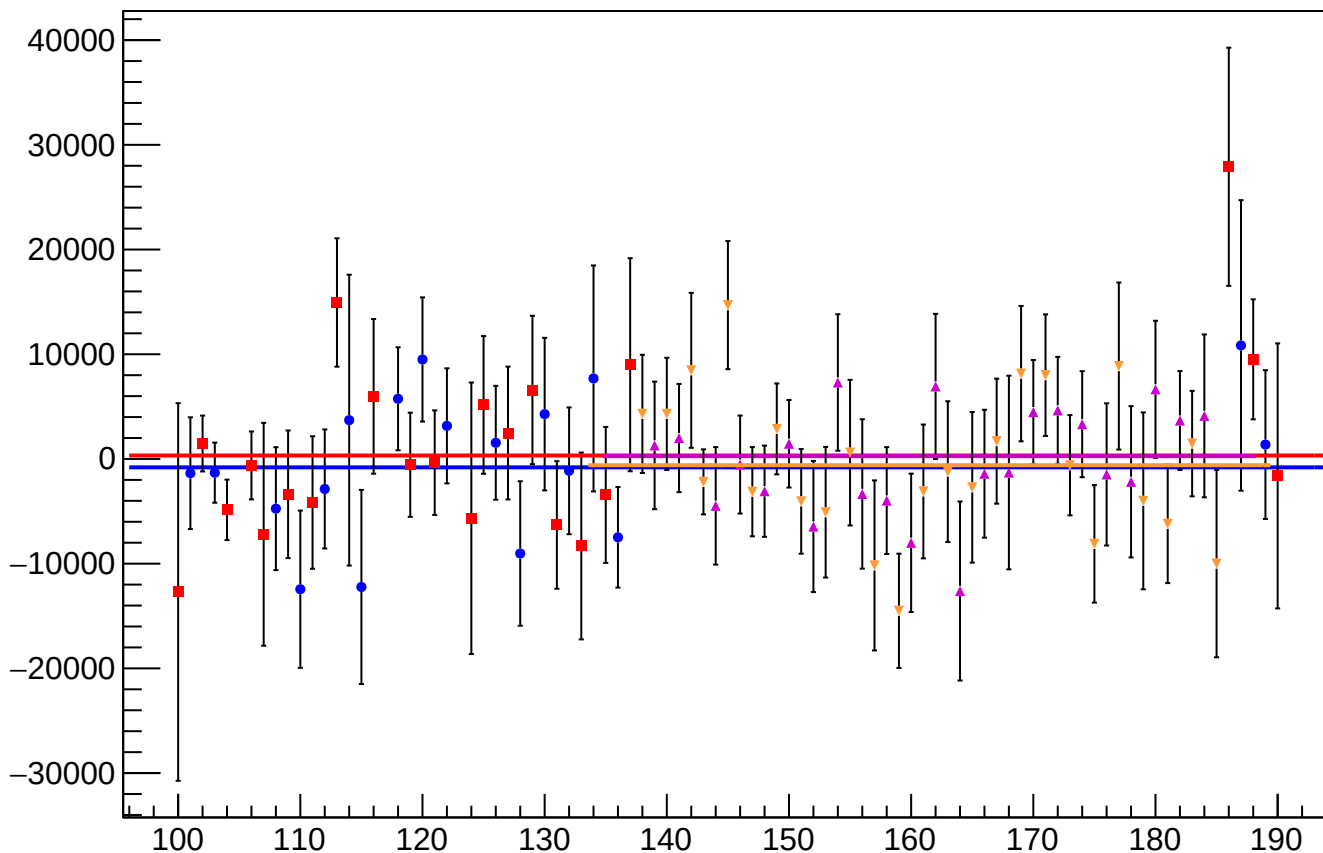
Left In: 1338.602 $\pm$ 0.221 χ^2 /NDF: 54248.5/22

+ sign 1326.378 $\pm$ 0.181 χ^2 /NDF: 748789.4/42

All: 1333.458 $\pm$ 0.128 χ^2 /NDF: 1082732.4/87

- sign 1340.655 $\pm$ 0.182 χ^2 /NDF: 330849.3/44

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug



Right In: -802.300 ± 1371.051 $\chi^2/\text{NDF}: 15.4/17$

Left Out: -594.916 ± 1122.287 $\chi^2/\text{NDF}: 29.5/24$

Right Out: 330.513 ± 1165.637 $\chi^2/\text{NDF}: 25.0/21$

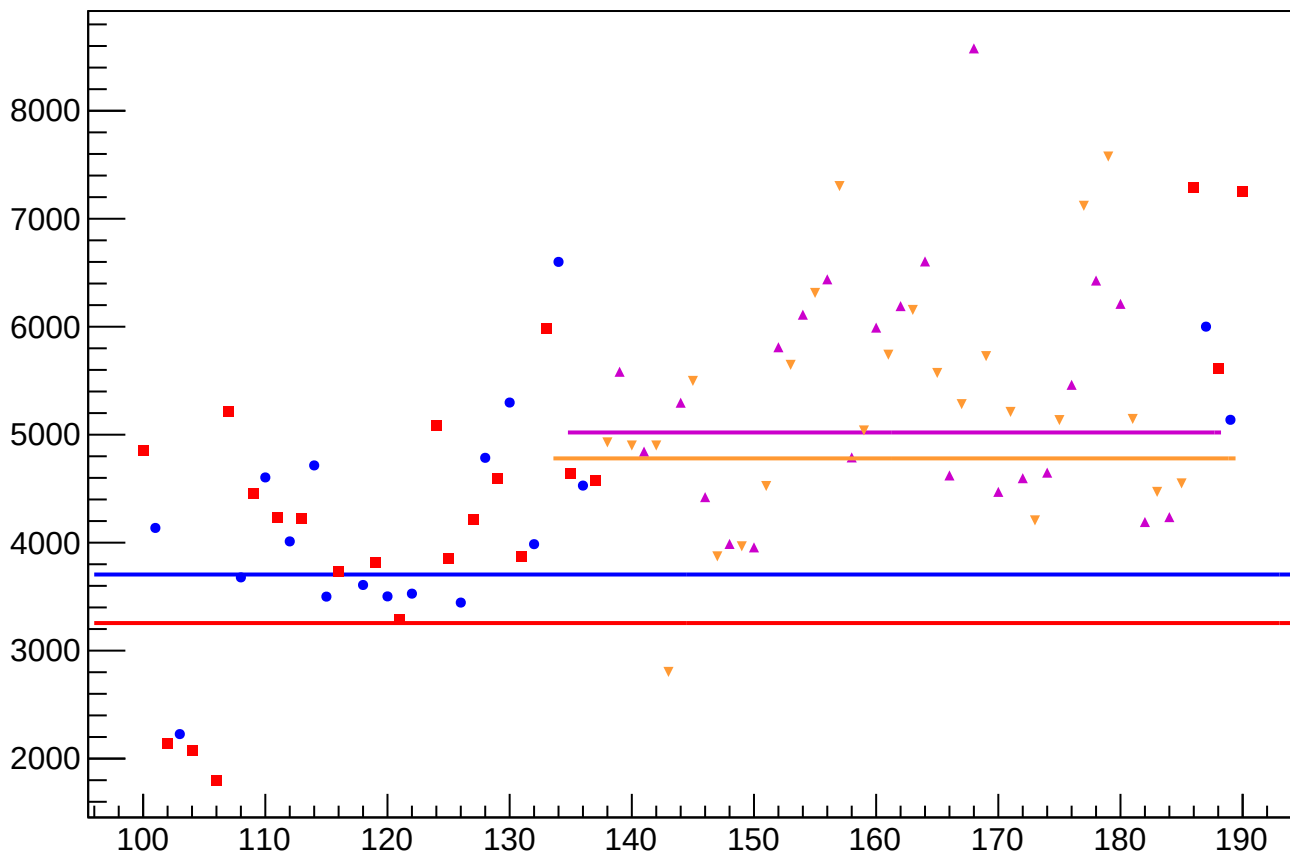
Left In: 272.915 ± 1196.804 $\chi^2/\text{NDF}: 13.4/22$

+ sign -678.121 ± 868.441 $\chi^2/\text{NDF}: 45.0/42$

All: -168.599 ± 601.921 $\chi^2/\text{NDF}: 84.0/87$

- sign 302.473 ± 835.031 $\chi^2/\text{NDF}: 38.4/44$

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 3705.027+/-0.969 χ^2/NDF : 1087411.3/17

Left Out: 4780.396+/-0.794 χ^2/NDF : 2006245.3/24

Right Out: 3255.374+/-0.824 χ^2/NDF : 2675041.0/21

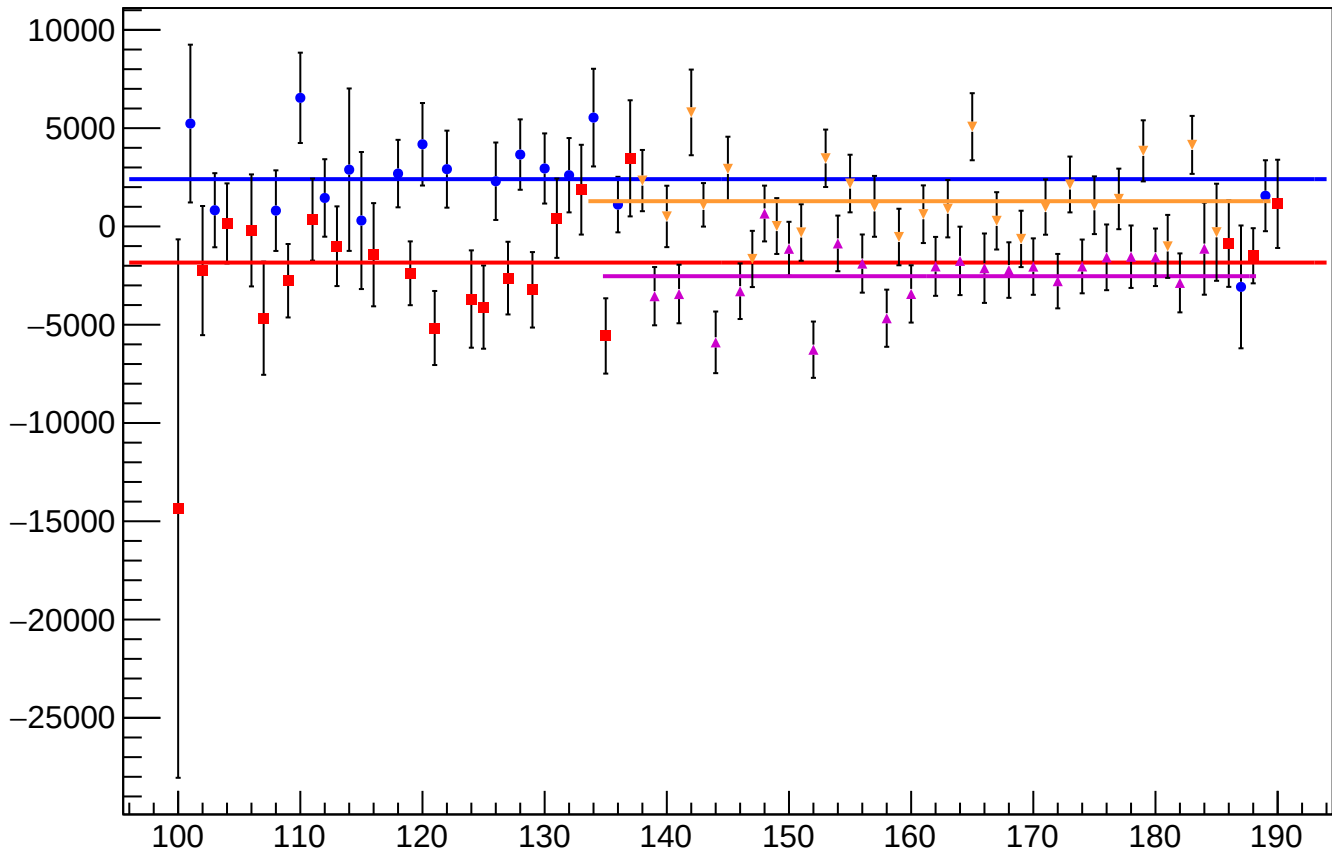
Left In: 5020.560+/-0.846 χ^2/NDF : 1225091.9/22

+ sign 4348.945+/-0.614 χ^2/NDF : 3830391.2/42

All: 4227.222+/-0.426 χ^2/NDF : 10038906.4/8

- sign 4114.684+/-0.590 χ^2/NDF : 6132897.3/44

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2405.839 $\pm$ 486.133 χ^2 /NDF: 12.8/17

Left Out: 1284.416 $\pm$ 300.530 χ^2 /NDF:33.4/24

Right Out: -1838.844 $\pm$ 454.724 χ^2 /NDF: 23.2/21

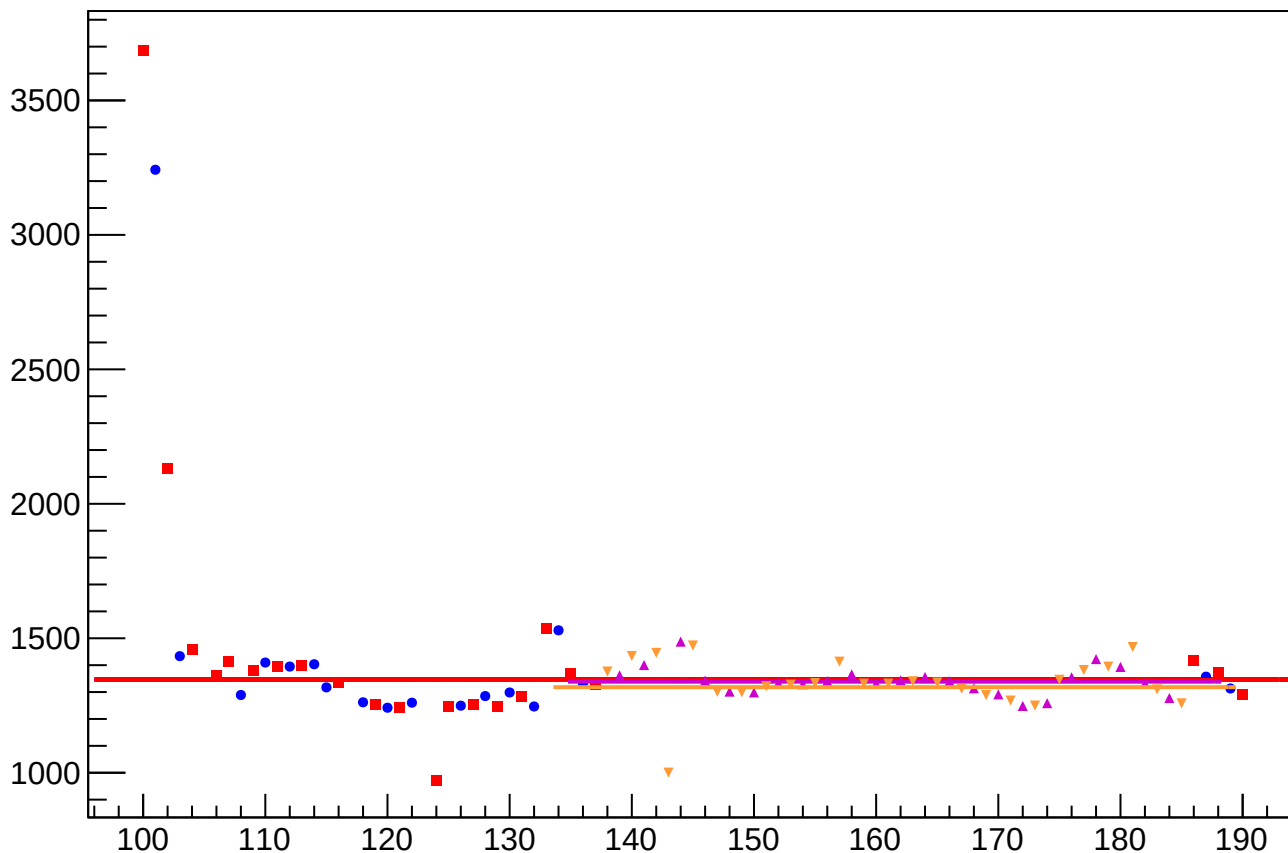
Left In: -2531.791 $\pm$ 312.887 χ^2 /NDF:25.0/22

+ sign 1594.495 $\pm$ 255.626 χ^2 /NDF: 50.0/42

All: -341.080 $\pm$ 181.505 χ^2 /NDF: 215.4/87

- sign -2309.131 $\pm$ 257.762 χ^2 /NDF: 49.8/44

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1347.844+/-0.344 χ^2/NDF : 494851.8/17

Left Out: 1318.176+/-0.213 χ^2/NDF : 248550.2/24

Right Out: 1344.985+/-0.321 χ^2/NDF : 276332.1/21

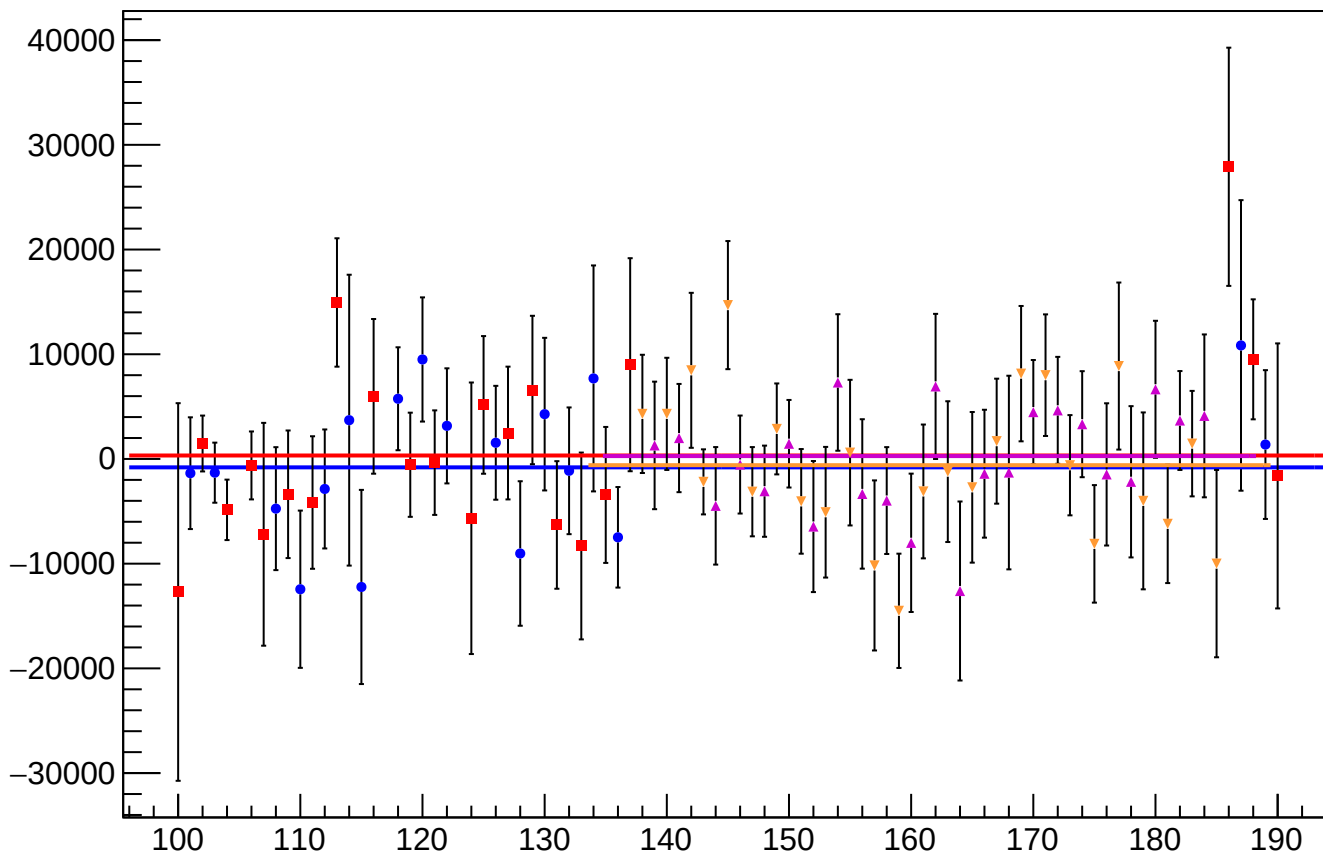
Left In: 1338.604+/-0.221 χ^2/NDF : 54251.0/22

+ sign 1326.379+/-0.181 χ^2/NDF : 748791.5/42

All: 1333.459+/-0.128 χ^2/NDF : 1082735.8/87

- sign 1340.656+/-0.182 χ^2/NDF : 330850.6/44

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -802.292 $\pm$ 1371.048 χ^2 /NDF: 15.4/17

Left Out: -594.920 $\pm$ 1122.288 χ^2 /NDF: 29.5/24

Right Out: 330.508 $\pm$ 1165.634 χ^2 /NDF: 25.0/21

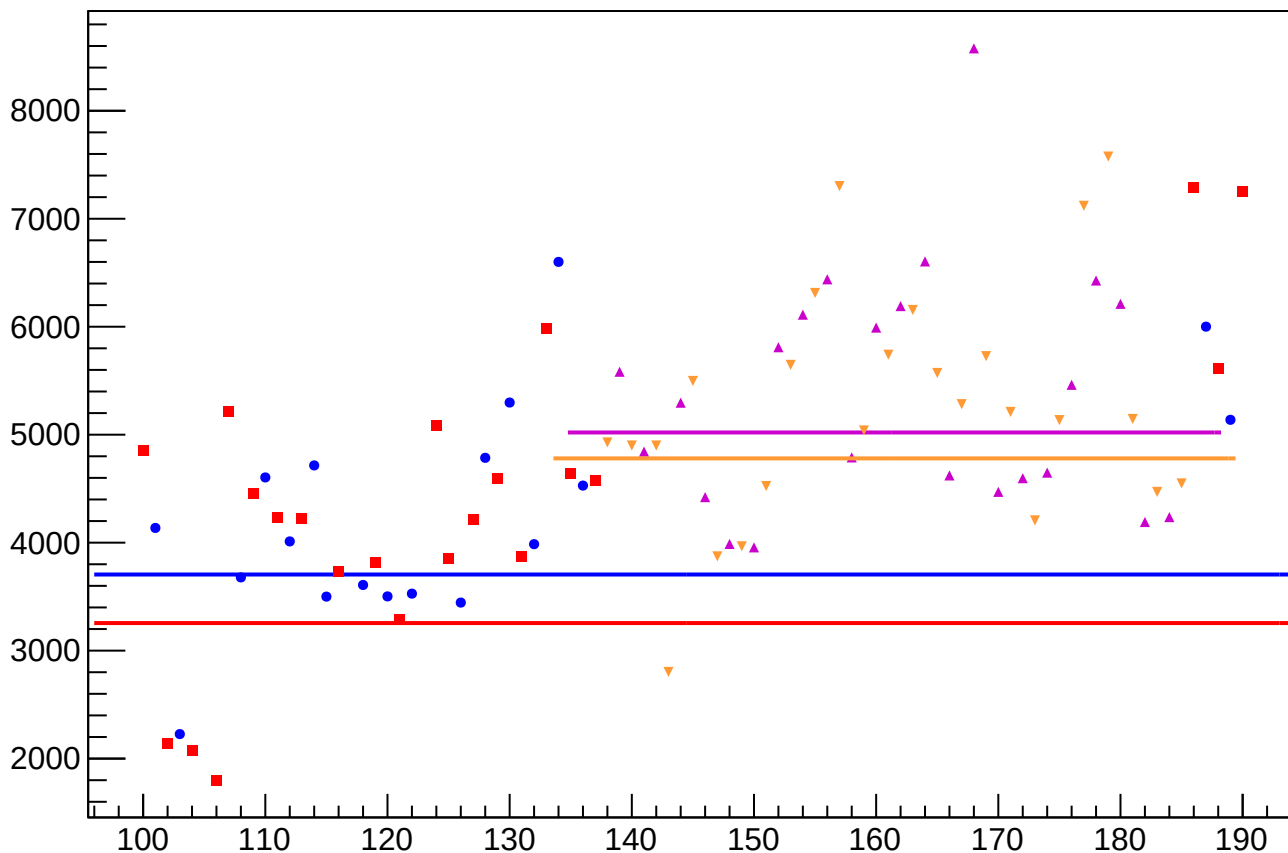
Left In: 272.917 $\pm$ 1196.806 χ^2 /NDF: 13.4/22

+ sign -678.121 $\pm$ 868.441 χ^2 /NDF: 45.0/42

All: -168.599 $\pm$ 601.921 χ^2 /NDF: 84.0/87

- sign 302.472 $\pm$ 835.031 χ^2 /NDF: 38.4/44

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 3705.018+/-0.969 χ^2/NDF : 1087415.8/17

Left Out: 4780.404+/-0.794 χ^2/NDF : 2006246.8/24

Right Out: 3255.366+/-0.824 χ^2/NDF : 2675048.9/21

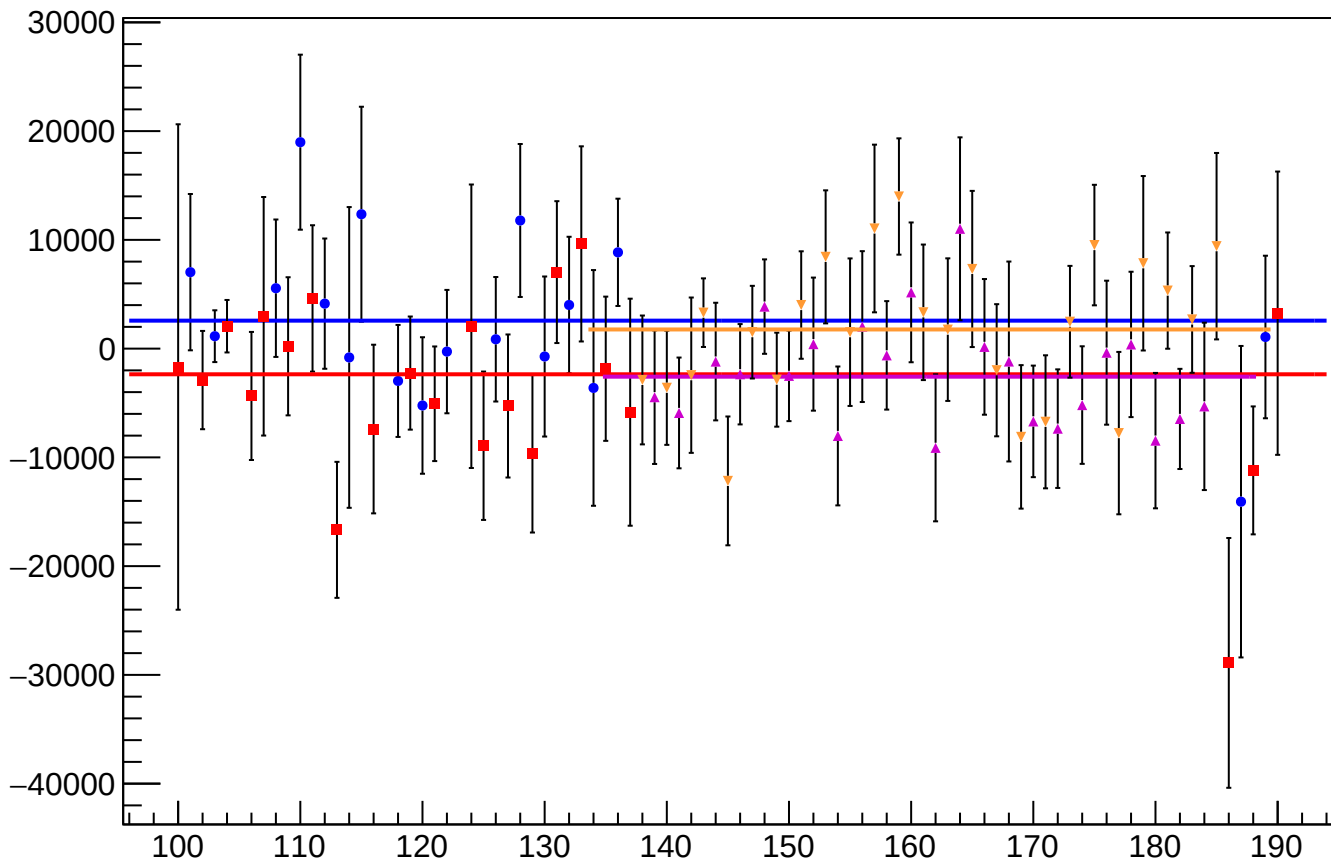
Left In: 5020.567+/-0.846 χ^2/NDF : 1225095.5/22

+ sign 4348.944+/-0.614 χ^2/NDF : 3830420.9/42

All: 4227.219+/-0.426 χ^2/NDF : 10038993.2/8

- sign 4114.679+/-0.590 χ^2/NDF : 6132952.0/44

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2572.222 $\pm$ 1359.863 χ^2 /NDF: 14.6/17

Left Out: 1761.683 $\pm$ 1116.232 χ^2 /NDF: 27.7/24

Right Out: -2359.592 $\pm$ 1289.086 χ^2 /NDF: 24.9/21

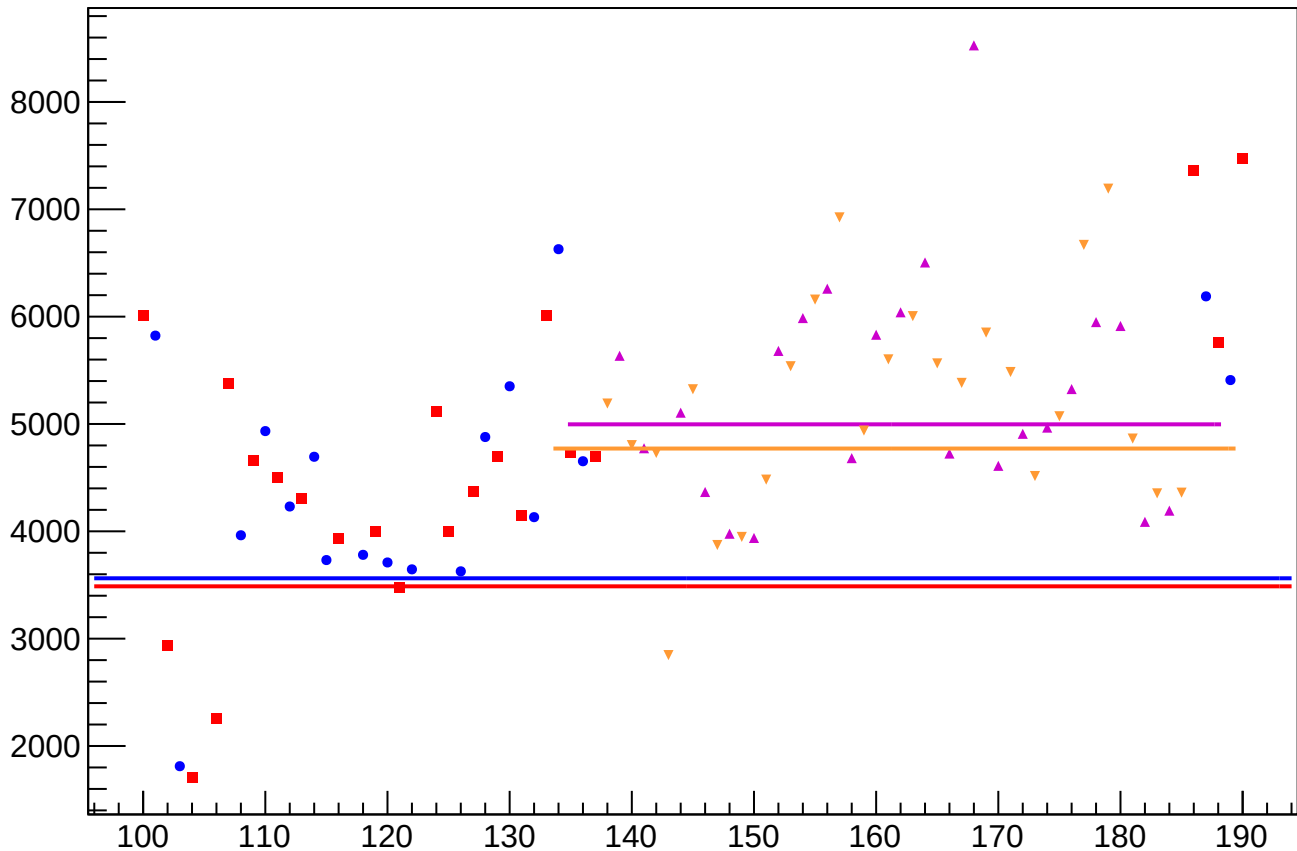
Left In: -2579.960 $\pm$ 1188.448 χ^2 /NDF: 13.3/22

+ sign 2087.966 $\pm$ 862.790 χ^2 /NDF: 42.5/42

All: -166.488 $\pm$ 613.931 χ^2 /NDF: 94.5/87

- sign -2478.713 $\pm$ 873.775 χ^2 /NDF: 38.2/44

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3562.443+/-0.962 χ^2/NDF : 2041465.5/17

Left Out: 4771.181+/-0.789 χ^2/NDF : 1787082.6/24

Right Out: 3487.511+/-0.900 χ^2/NDF : 2637212.4/21

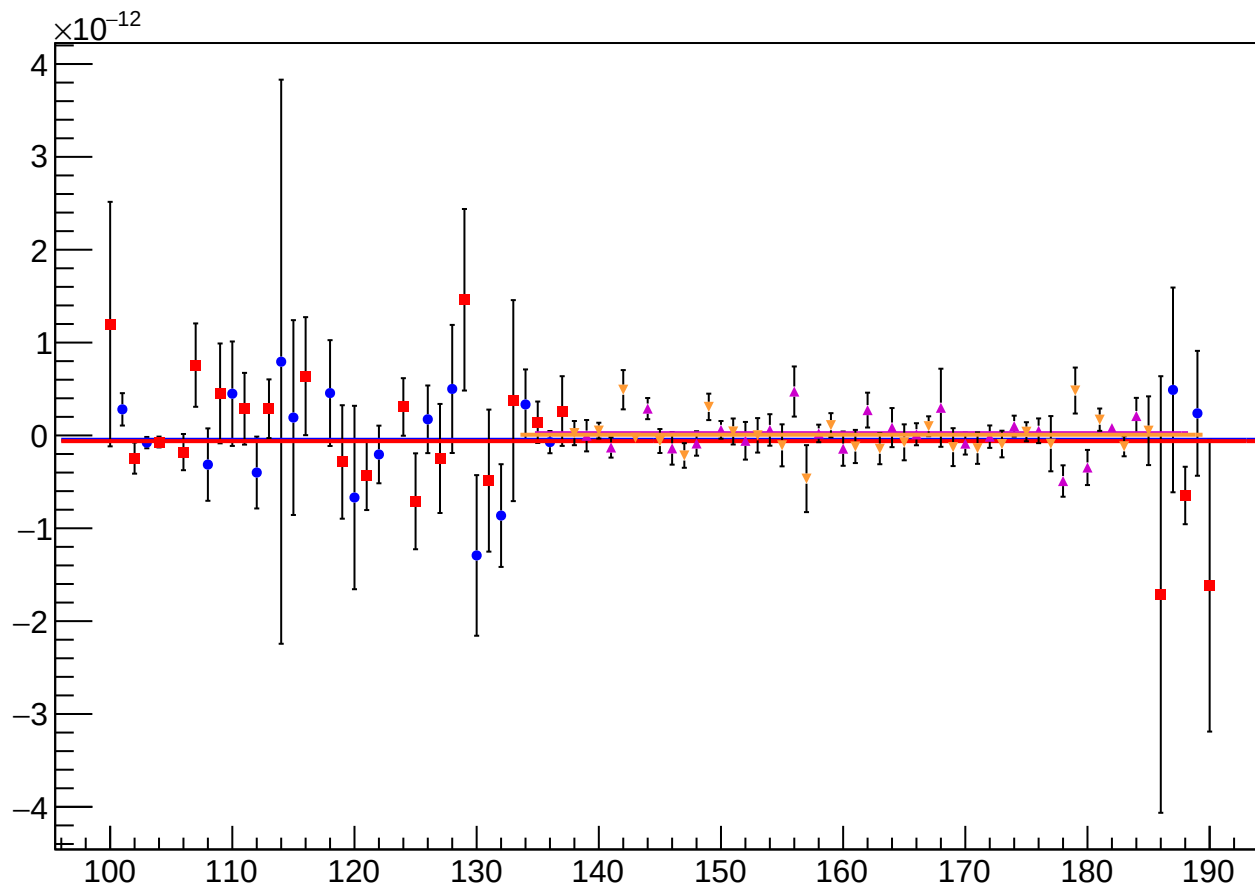
Left In: 4996.720+/-0.840 χ^2/NDF : 1095876.8/22

+ sign 4284.598+/-0.610 χ^2/NDF : 4772629.4/42

All: 4289.124+/-0.433 χ^2/NDF : 10008209.7/8

- sign 4293.711+/-0.614 χ^2/NDF : 5235469.4/44

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 14.2/17$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 27.1/24$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 23.7/21$

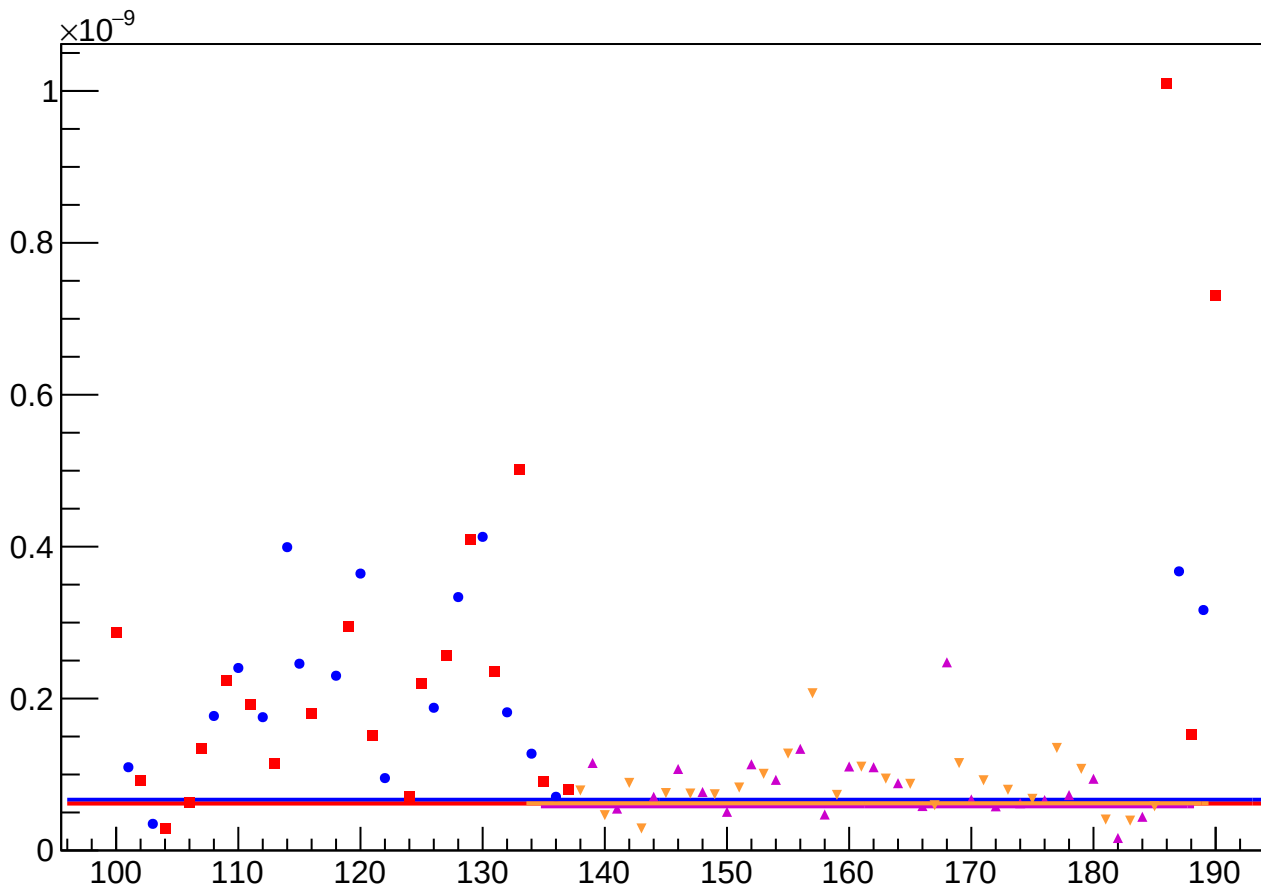
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 31.7/22$

+ sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 42.2/42$

All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 100.2/87$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 57.9/44$

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3020633.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3726422.4/21

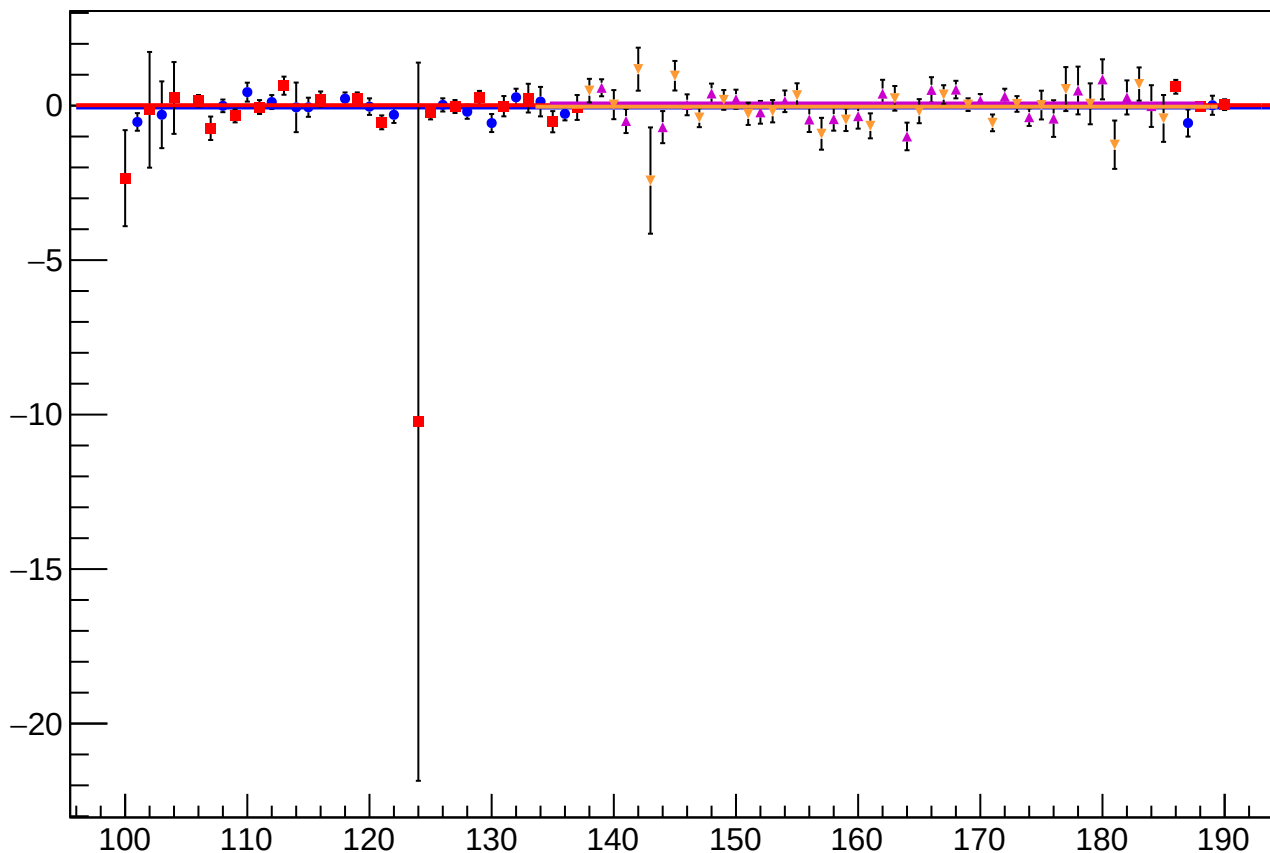
Left In: 0.000+/-0.000 χ^2/NDF : 2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 5478951.6/42

All: 0.000+/-0.000 χ^2/NDF : 12213441.4/87

- sign 0.000+/-0.000 χ^2/NDF : 6702053.9/44

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.059 ± 0.065 χ^2/NDF : 16.2/17

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: 0.014 ± 0.052 χ^2/NDF : 35.2/21

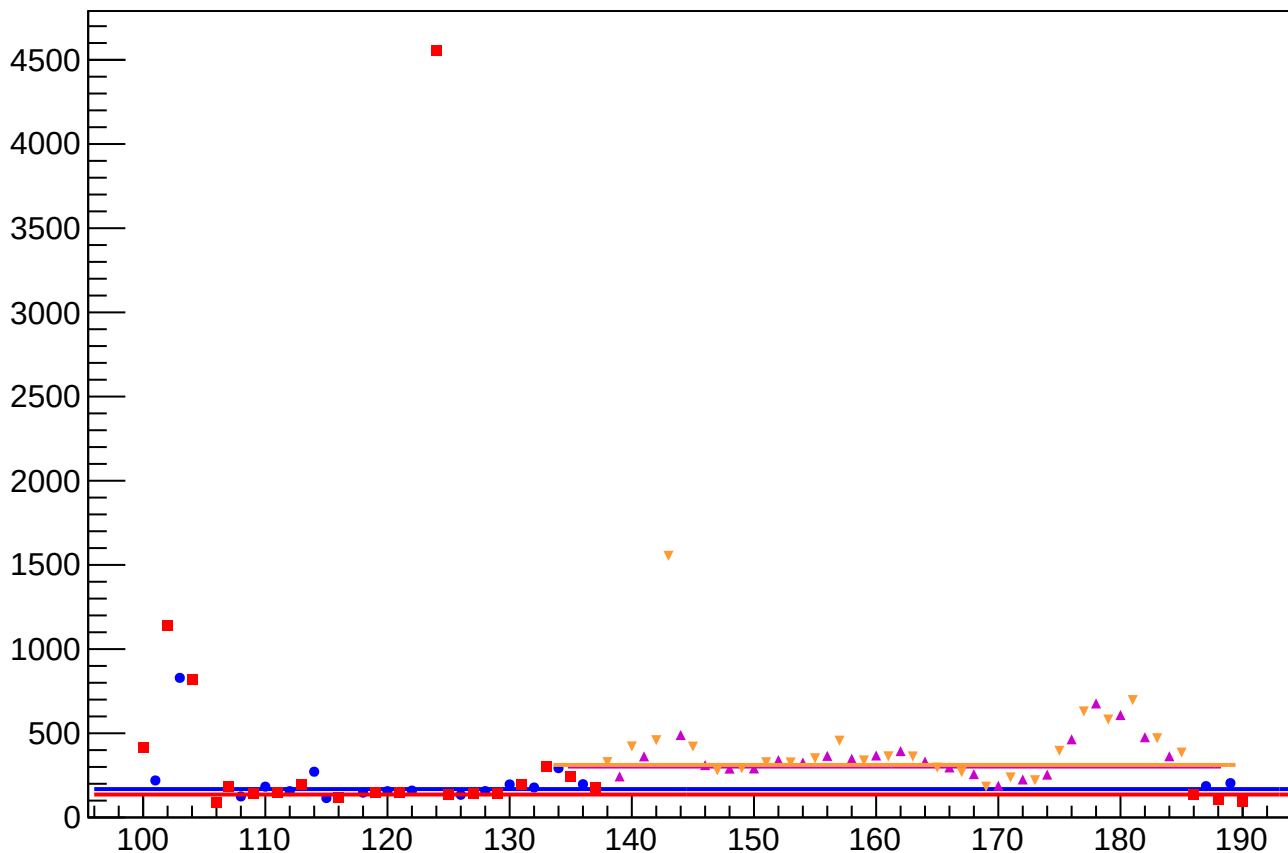
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.049 ± 0.049 χ^2/NDF : 48.8/42

All: -0.003 ± 0.032 χ^2/NDF : 115.8/87

- sign 0.032 ± 0.043 χ^2/NDF : 65.4/44

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 168.418 $\pm$ 0.046 χ^2 /NDF: 1314161.7/17

Left Out: 311.961 $\pm$ 0.054 χ^2 /NDF: 4350162.2/24

Right Out: 136.242 $\pm$ 0.037 χ^2 /NDF: 2701459.8/21

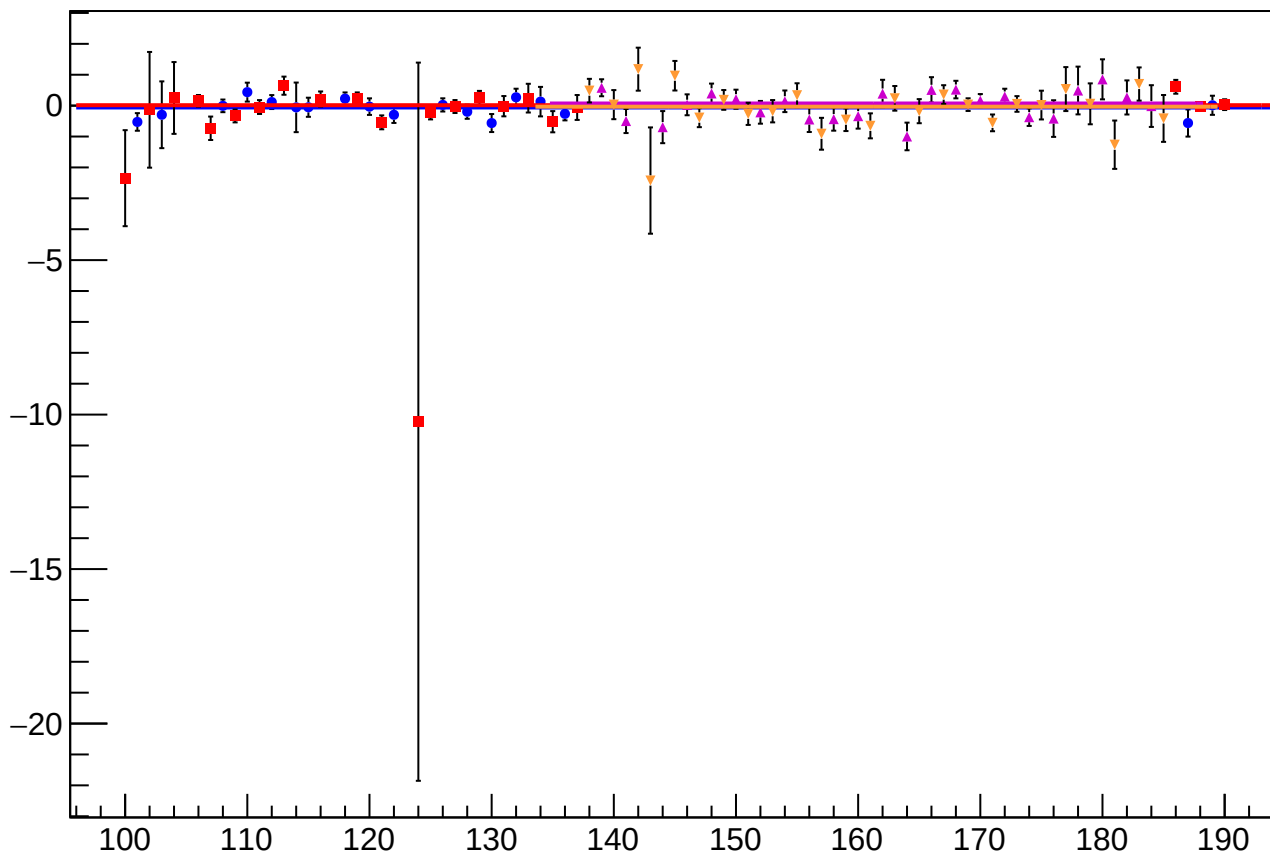
Left In: 302.375 $\pm$ 0.053 χ^2 /NDF: 2808730.8/22

+ sign 227.925 $\pm$ 0.035 χ^2 /NDF: 9768068.4/42

All: 206.193 $\pm$ 0.023 χ^2 /NDF: 22610683.9/87

- sign 190.006 $\pm$ 0.030 χ^2 /NDF: 12166344.8/44

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.059 ± 0.065 χ^2/NDF : 16.2/17

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: 0.014 ± 0.052 χ^2/NDF : 35.2/21

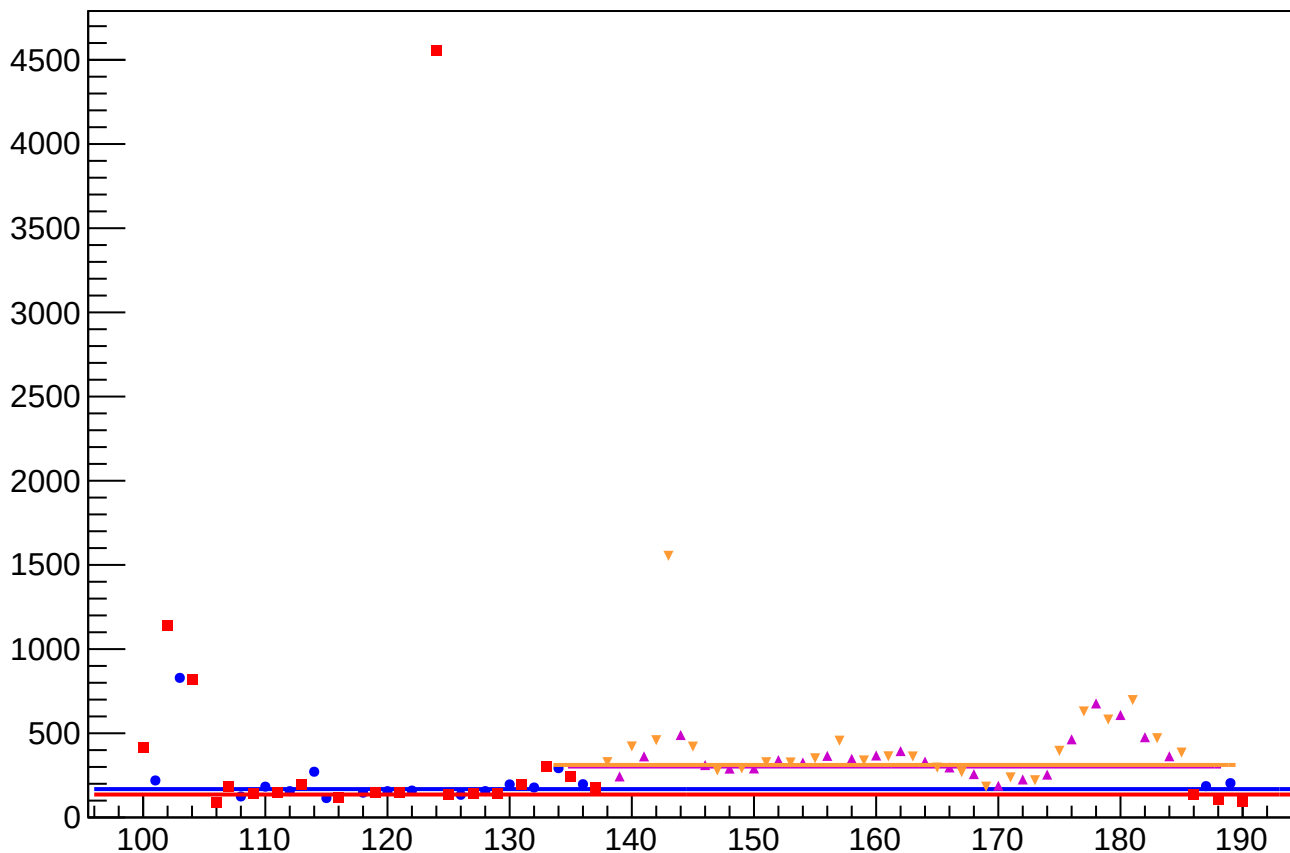
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.049 ± 0.049 χ^2/NDF : 48.8/42

All: -0.003 ± 0.032 χ^2/NDF : 115.8/87

- sign 0.032 ± 0.043 χ^2/NDF : 65.4/44

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 168.418 ± 0.046 χ^2/NDF : 1314161.7/17

Left Out: 311.961 ± 0.054 χ^2/NDF : 4350162.2/24

Right Out: 136.242 ± 0.037 χ^2/NDF : 2701459.8/21

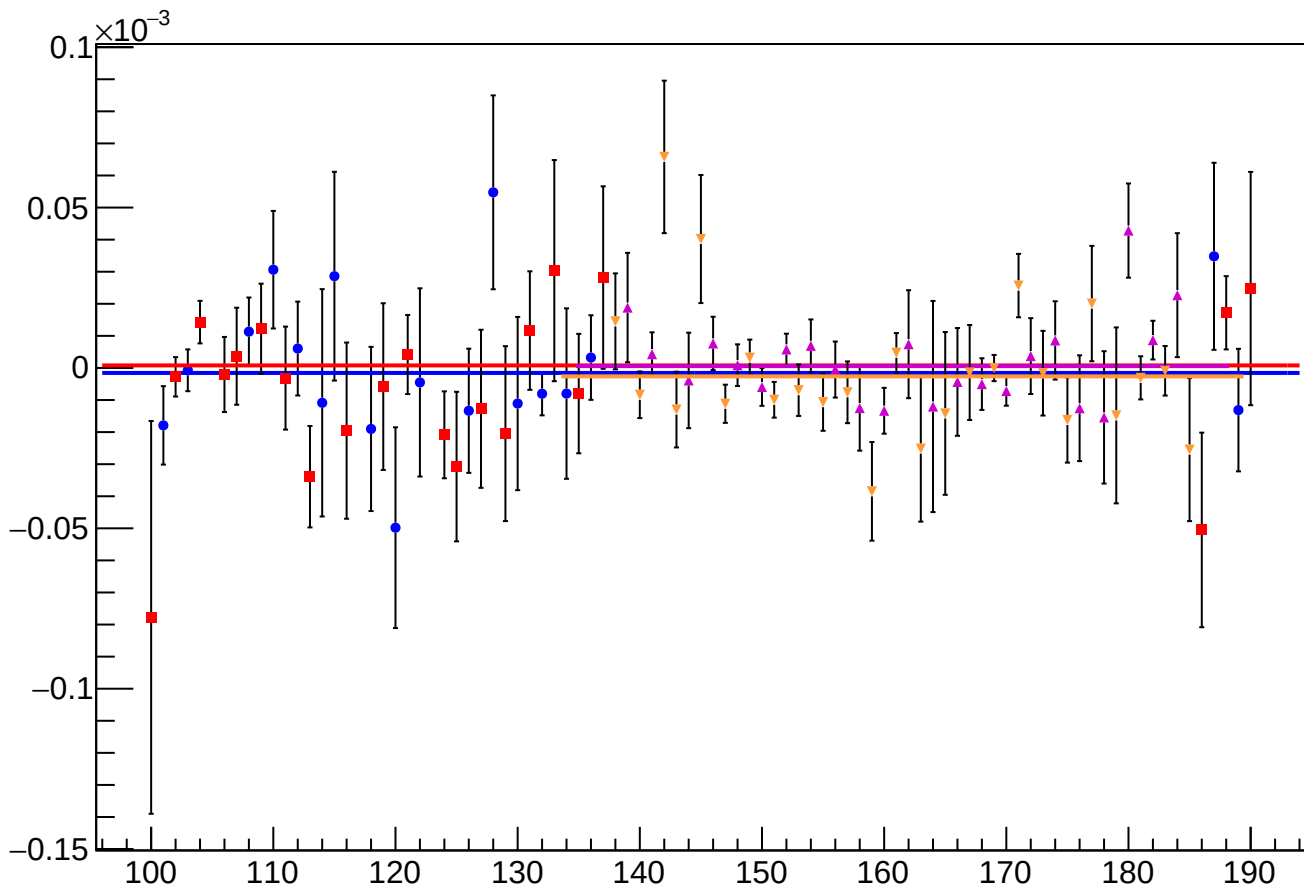
Left In: 302.375 ± 0.053 χ^2/NDF : 2808730.8/22

+ sign 227.925 ± 0.035 χ^2/NDF : 9768068.4/42

All: 206.193 ± 0.023 χ^2/NDF : 22610683.9/87

- sign 190.006 ± 0.030 χ^2/NDF : 12166344.8/44

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.4/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.3/21

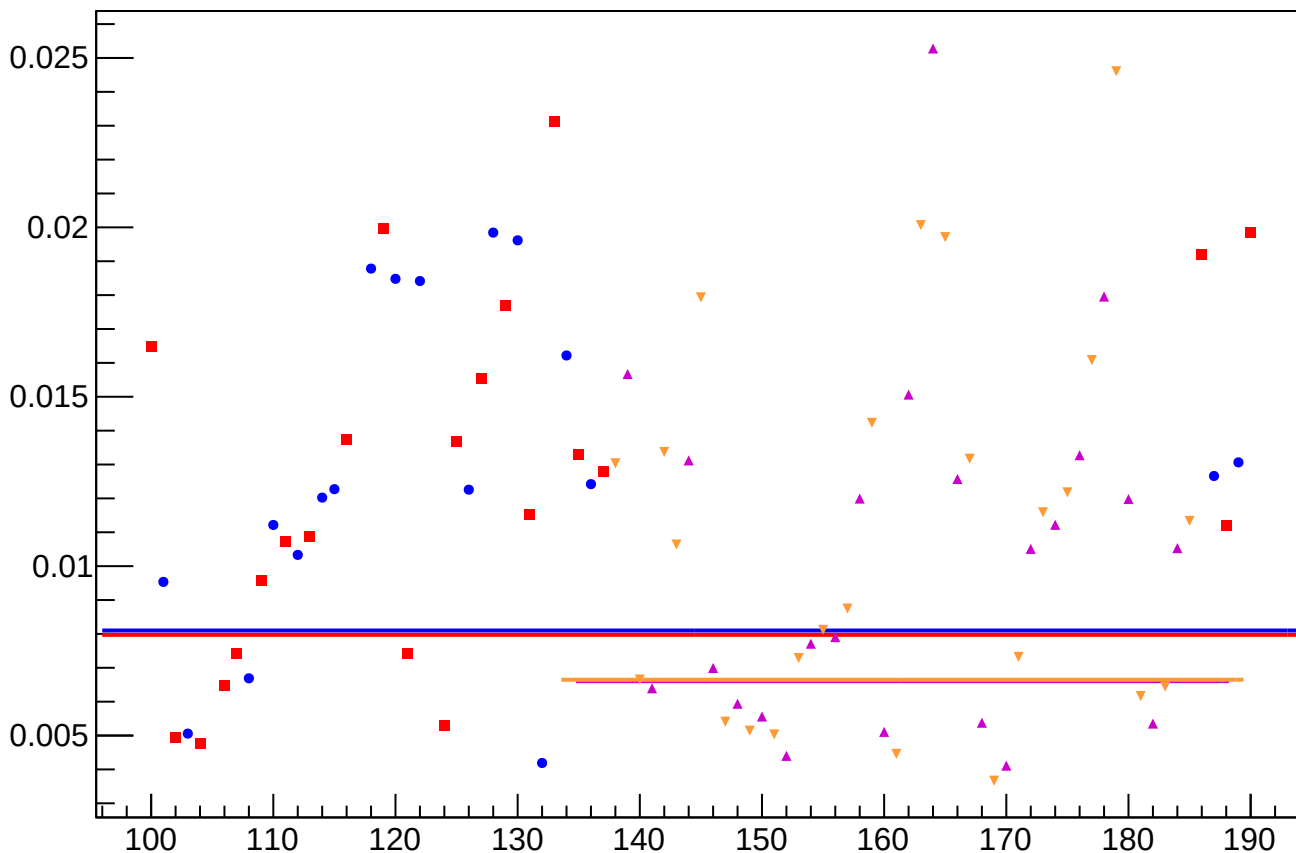
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 59.9/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 114.1/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.2/44

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3493997.0/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7513935.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3663249.6/21

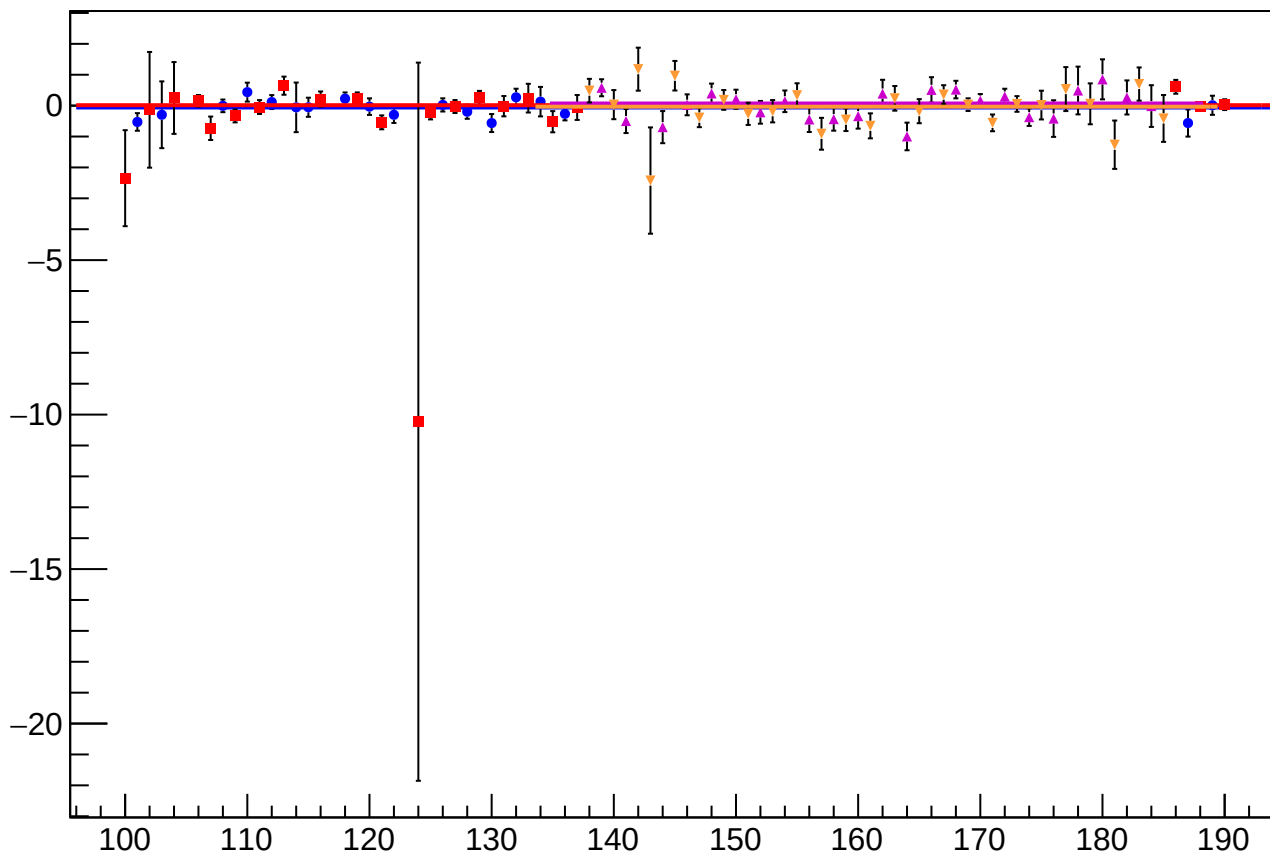
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5855747.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 11307898.7/42

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 21134496.8/87

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 9826596.8/44

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.059 ± 0.065 χ^2/NDF : 16.2/17

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: 0.014 ± 0.052 χ^2/NDF : 35.2/21

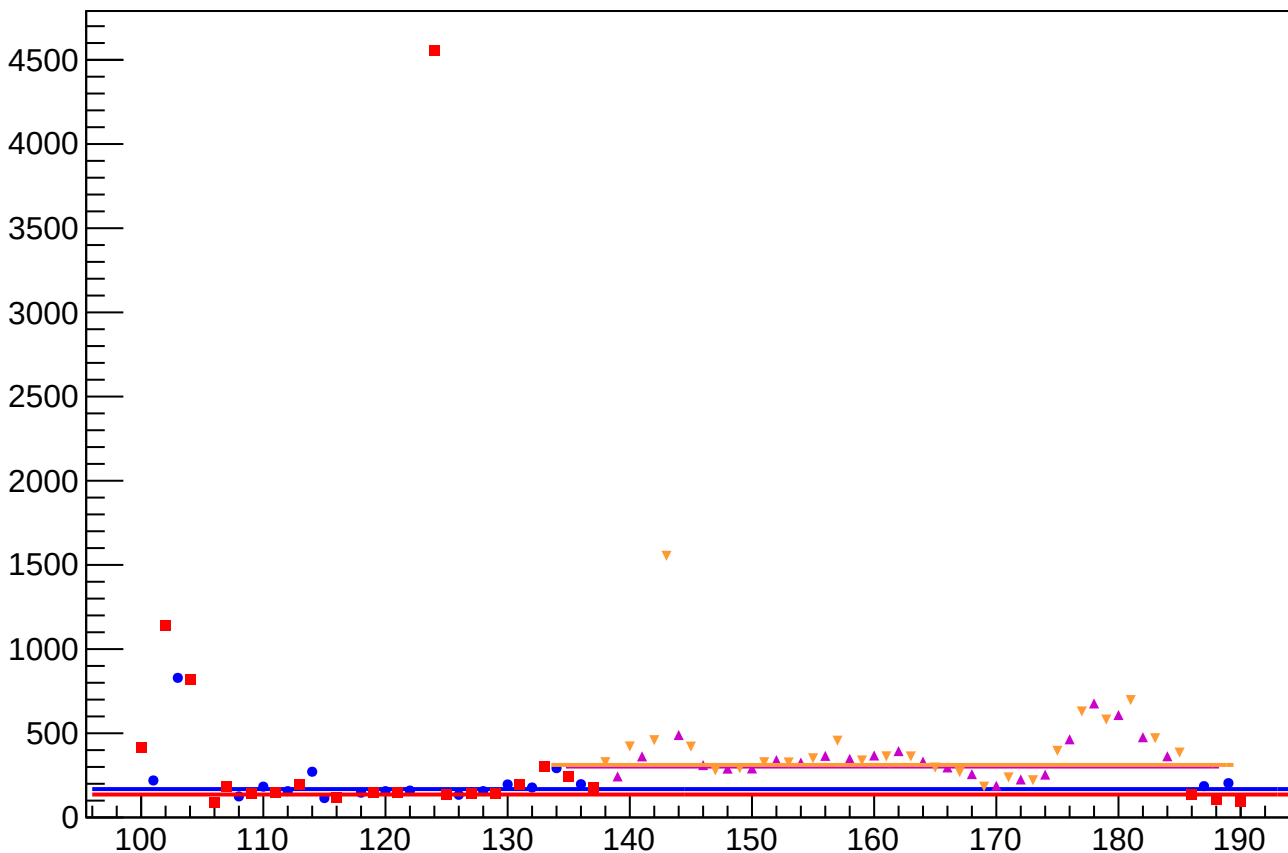
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.049 ± 0.049 χ^2/NDF : 48.8/42

All: -0.003 ± 0.032 χ^2/NDF : 115.8/87

- sign 0.032 ± 0.043 χ^2/NDF : 65.4/44

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 168.418+/-0.046 χ^2/NDF : 1314171.4/17

Left Out: 311.961+/-0.054 χ^2/NDF : 4350376.6/24

Right Out: 136.239+/-0.037 χ^2/NDF : 2701535.9/21

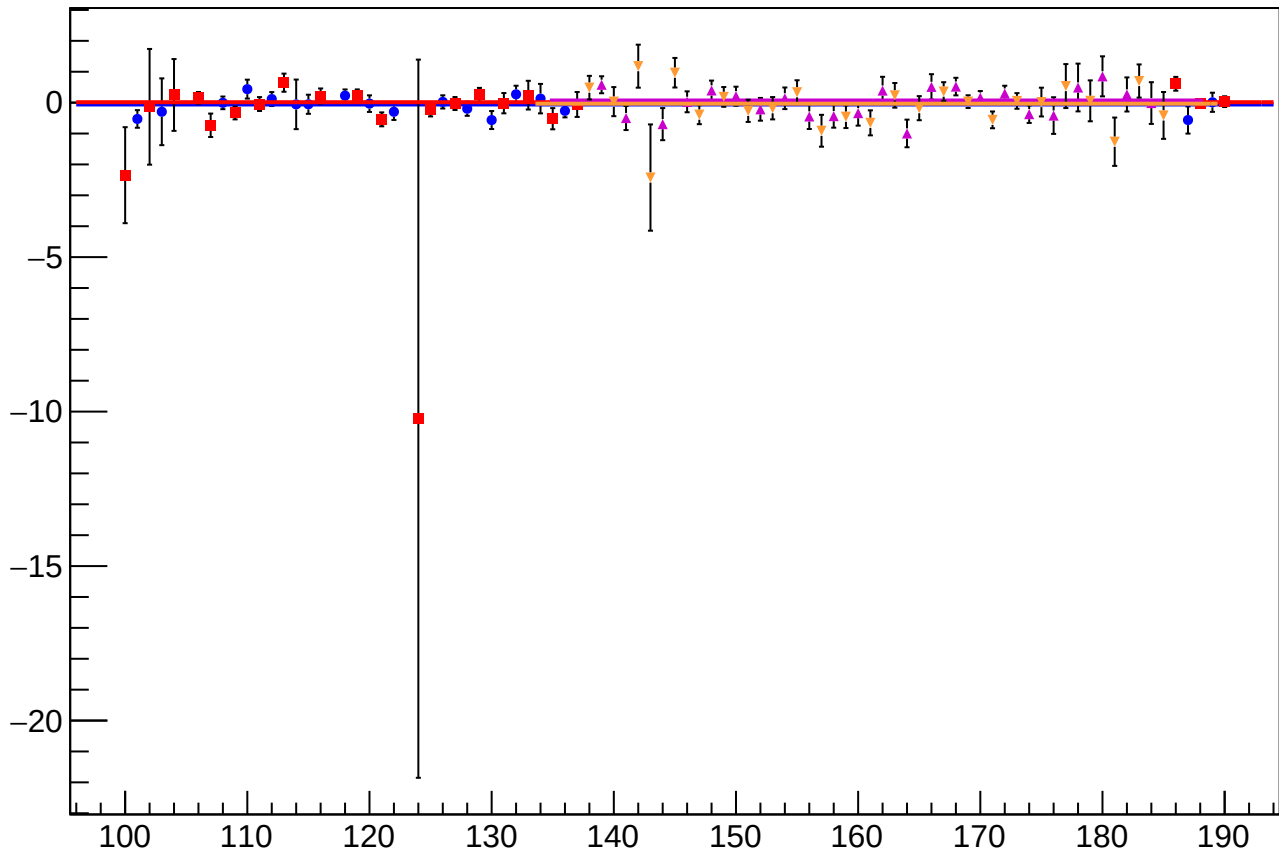
Left In: 302.377+/-0.053 χ^2/NDF : 2808874.8/22

+ sign 227.925+/-0.035 χ^2/NDF : 9768311.0/42

All: 206.190+/-0.023 χ^2/NDF : 22611681.6/87

- sign 190.002+/-0.030 χ^2/NDF : 12166975.1/44

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.059 ± 0.065 χ^2/NDF : 16.2/17

Left Out: -0.035 ± 0.077 χ^2/NDF : 32.5/24

Right Out: 0.014 ± 0.052 χ^2/NDF : 35.2/21

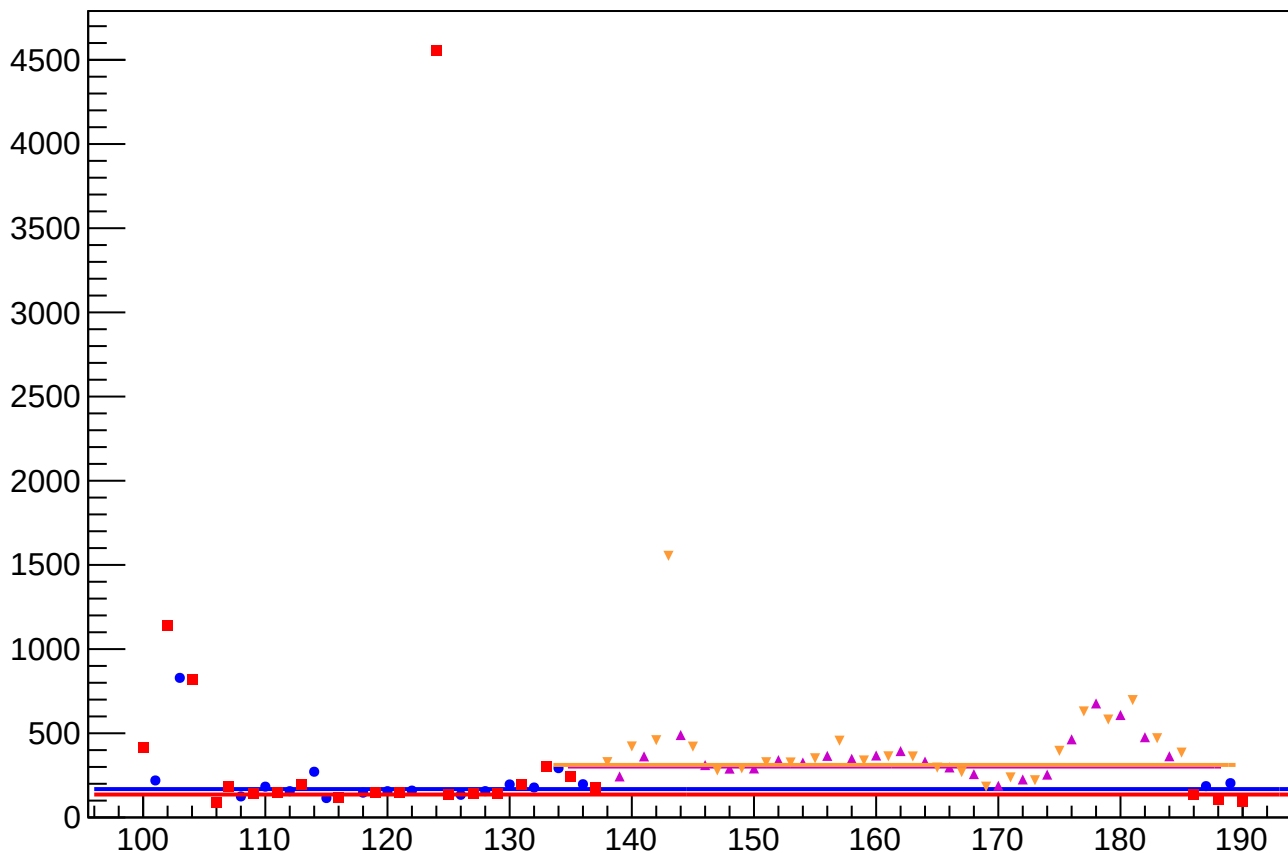
Left In: 0.069 ± 0.075 χ^2/NDF : 29.9/22

+ sign -0.049 ± 0.049 χ^2/NDF : 48.8/42

All: -0.003 ± 0.032 χ^2/NDF : 115.8/87

- sign 0.032 ± 0.043 χ^2/NDF : 65.4/44

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 168.418+/-0.046 χ^2/NDF : 1314171.4/17

Left Out: 311.961+/-0.054 χ^2/NDF : 4350376.6/24

Right Out: 136.239+/-0.037 χ^2/NDF : 2701535.9/21

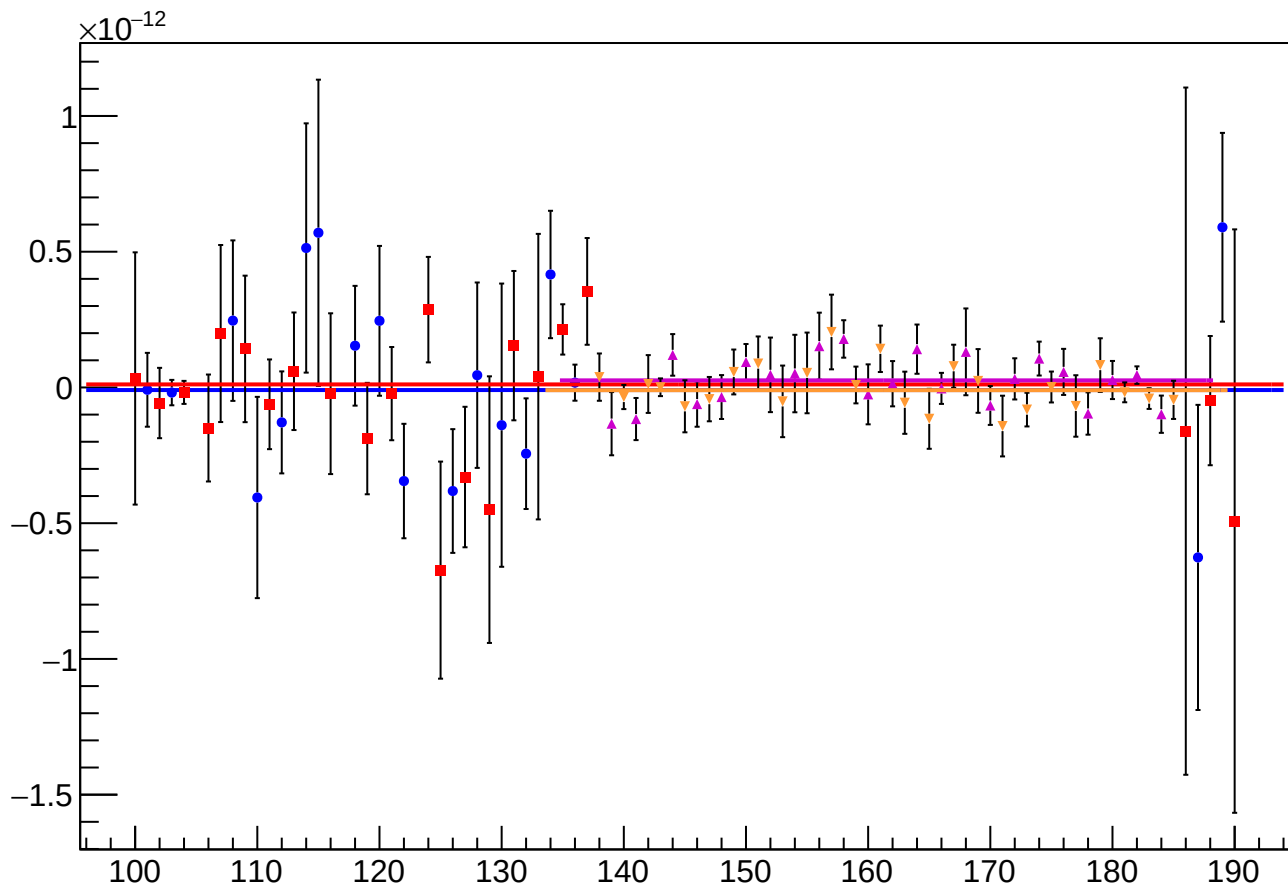
Left In: 302.377+/-0.053 χ^2/NDF : 2808874.8/22

+ sign 227.925+/-0.035 χ^2/NDF : 9768311.0/42

All: 206.190+/-0.023 χ^2/NDF : 22611681.6/87

- sign 190.002+/-0.030 χ^2/NDF : 12166975.1/44

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 20.3/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 16.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.2/21

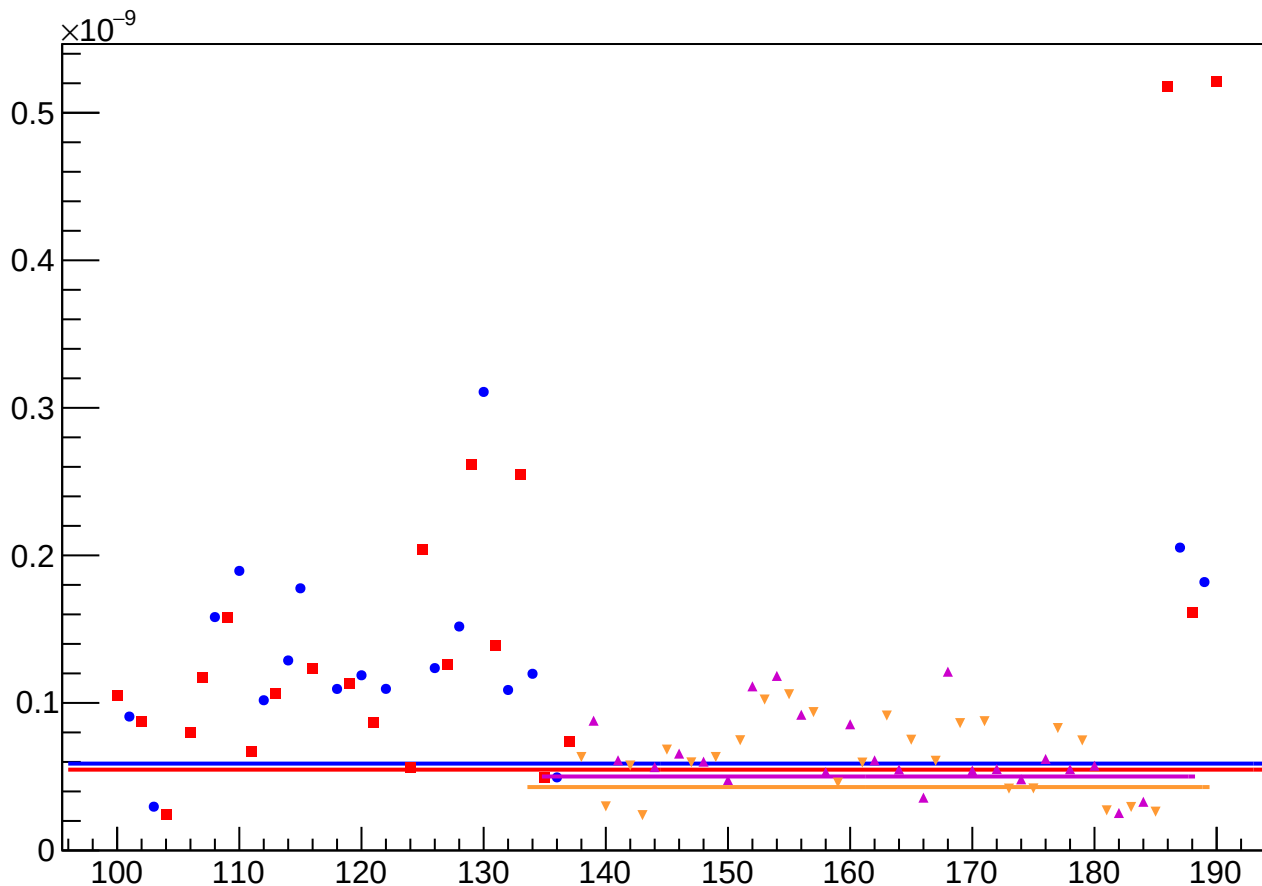
Left In: 0.000 ± 0.000 χ^2/NDF : 27.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 36.5/42

All: 0.000 ± 0.000 χ^2/NDF : 86.7/87

- sign 0.000 ± 0.000 χ^2/NDF : 47.0/44

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3374126.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5074676.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4346671.4/21

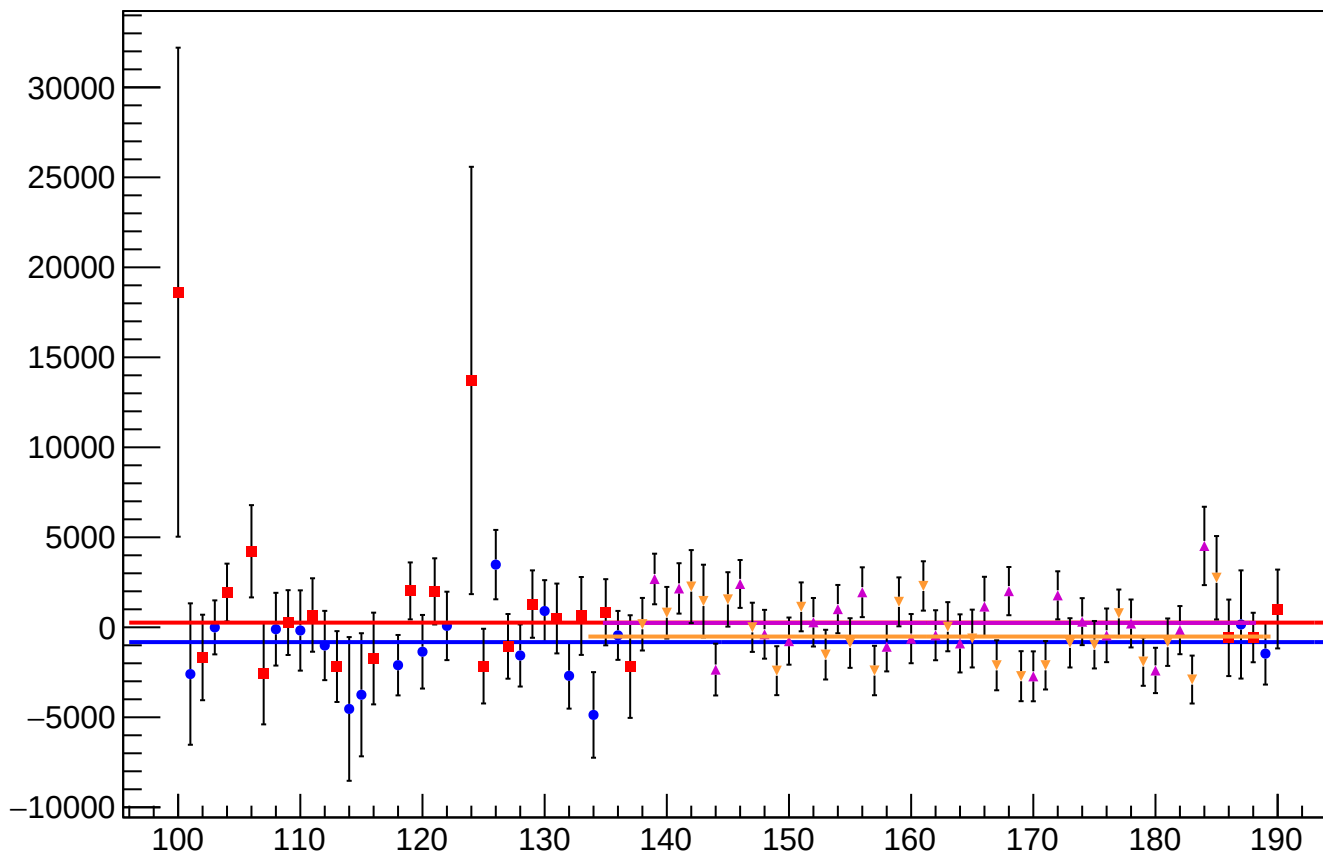
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3611362.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8853246.0/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 17041590.1/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7993680.2/44

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -822.961 ± 463.363 χ^2/NDF : 13.7/17

Left Out: -514.484 ± 285.945 χ^2/NDF : 30.9/24

Right Out: 259.811 ± 438.707 χ^2/NDF : 16.3/21

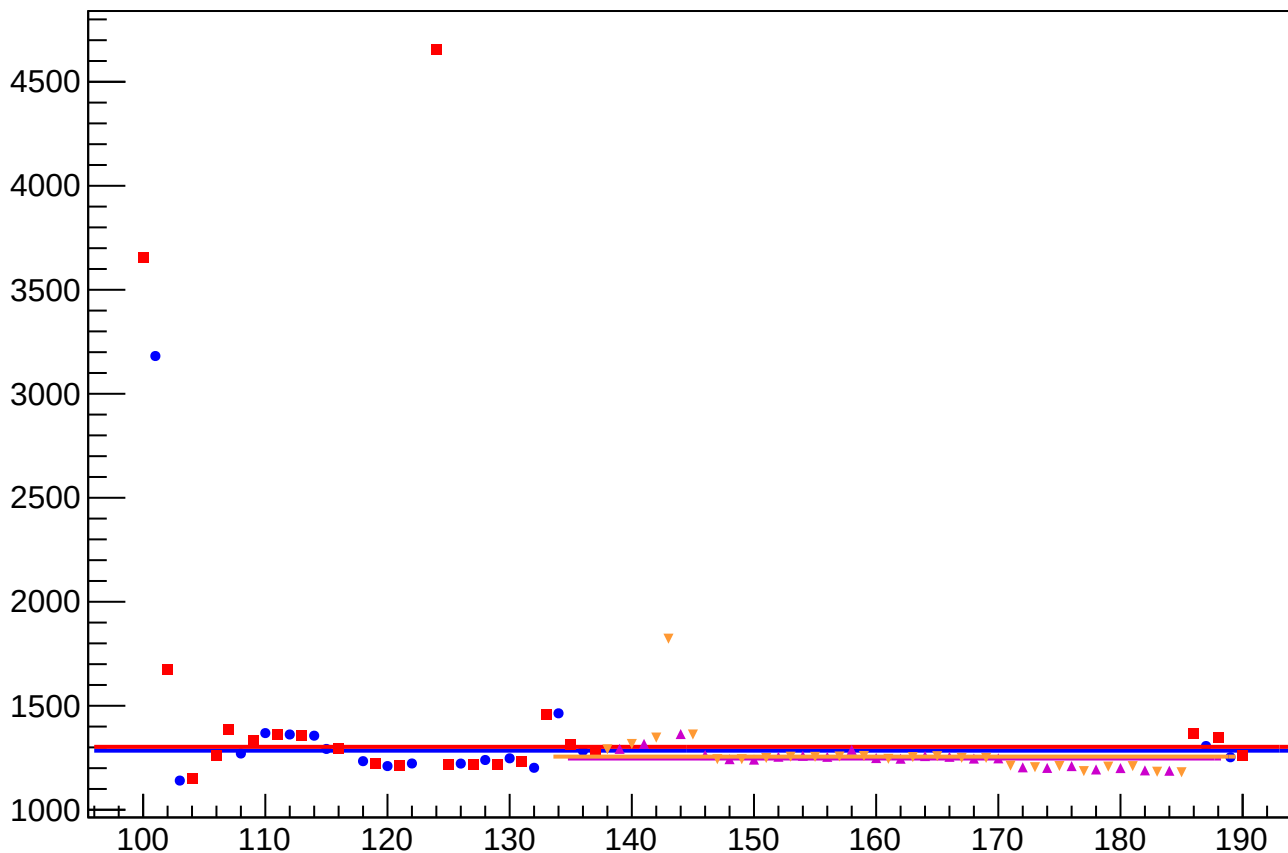
Left In: 242.686 ± 291.166 χ^2/NDF : 32.0/22

+ sign -599.560 ± 243.340 χ^2/NDF : 44.9/42

All: -174.525 ± 171.804 χ^2/NDF : 99.3/87

- sign 247.922 ± 242.598 χ^2/NDF : 48.3/44

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF : 518949.5/17

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.1/24

Right Out: 1302.580+/-0.310 χ^2/NDF : 332936.4/21

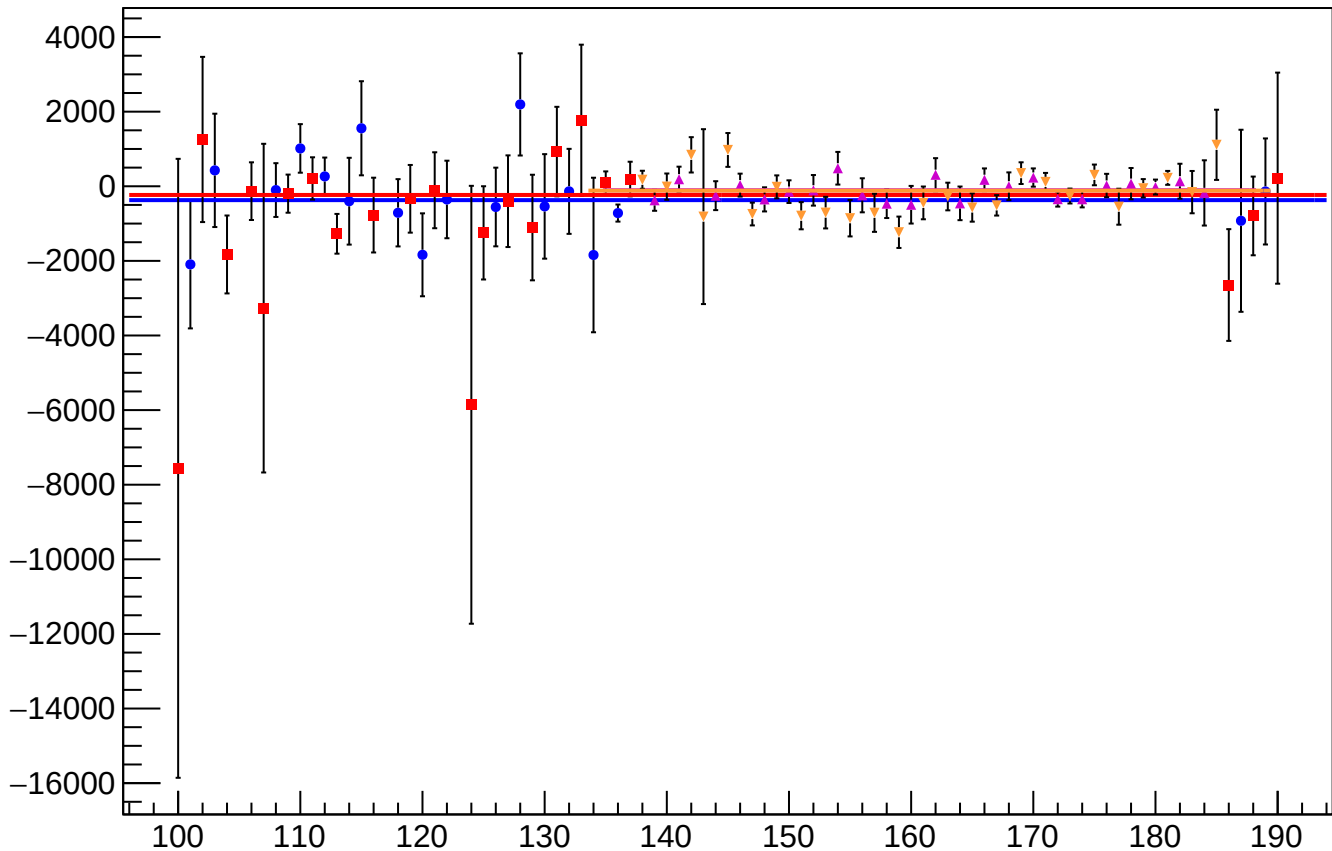
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF : 727599.9/42

All: 1263.478+/-0.121 χ^2/NDF : 1123198.8/87

- sign 1263.548+/-0.172 χ^2/NDF : 395598.6/44

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug



Right In: -371.698 ± 166.648 $\chi^2/\text{NDF}: 18.2/17$

Left Out: -117.028 ± 65.059 $\chi^2/\text{NDF}: 48.4/24$

Right Out: -232.804 ± 166.103 $\chi^2/\text{NDF}: 17.6/21$

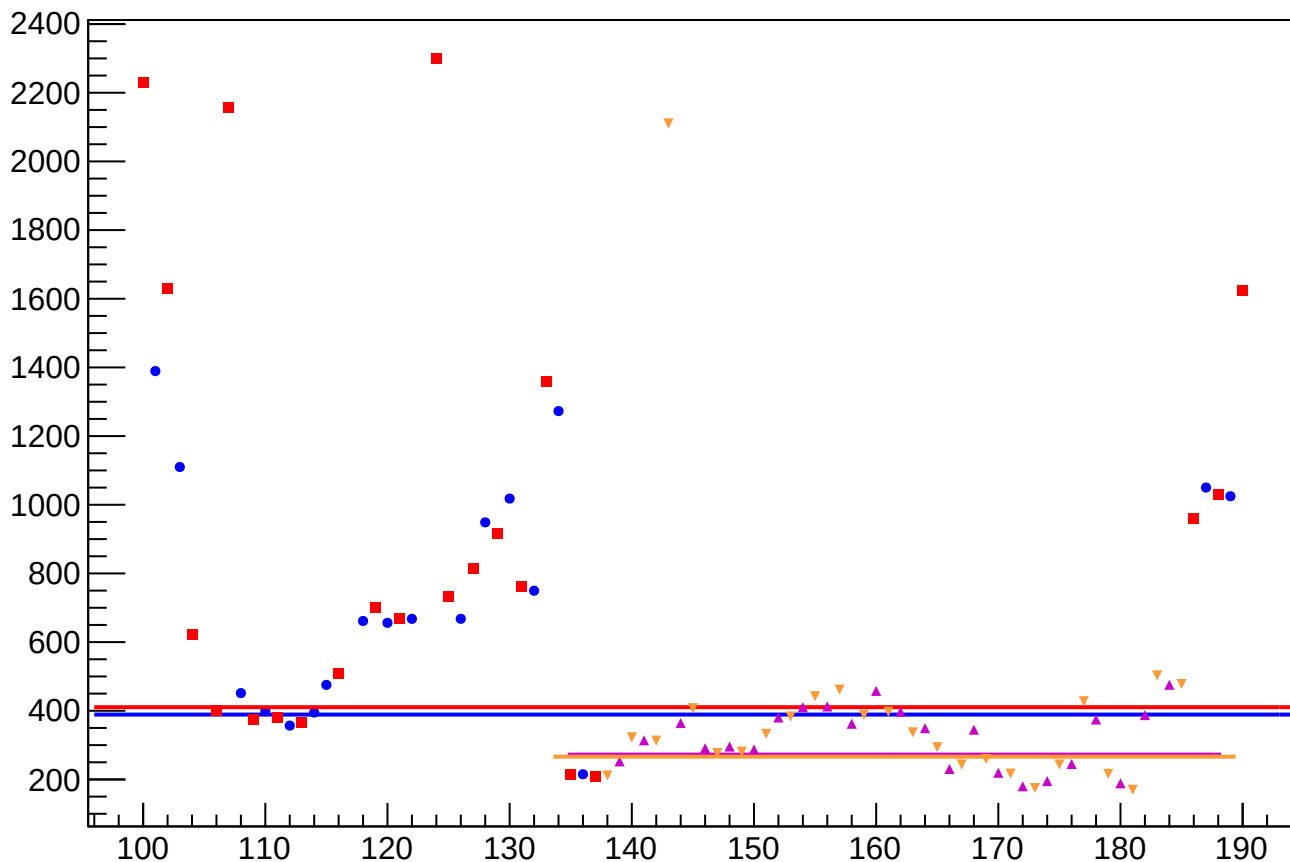
Left In: -107.341 ± 67.001 $\chi^2/\text{NDF}: 13.7/22$

+ sign -150.709 ± 60.604 $\chi^2/\text{NDF}: 68.7/42$

All: -138.126 ± 43.385 $\chi^2/\text{NDF}: 100.6/87$

- sign -124.898 ± 62.136 $\chi^2/\text{NDF}: 31.8/44$

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 388.937 $\pm$ 0.118 χ^2/NDF : 4747435.1/17

Left Out: 266.321 $\pm$ 0.046 χ^2/NDF : 4630130.4/24

Right Out: 410.485 $\pm$ 0.117 χ^2/NDF : 5433187.9/21

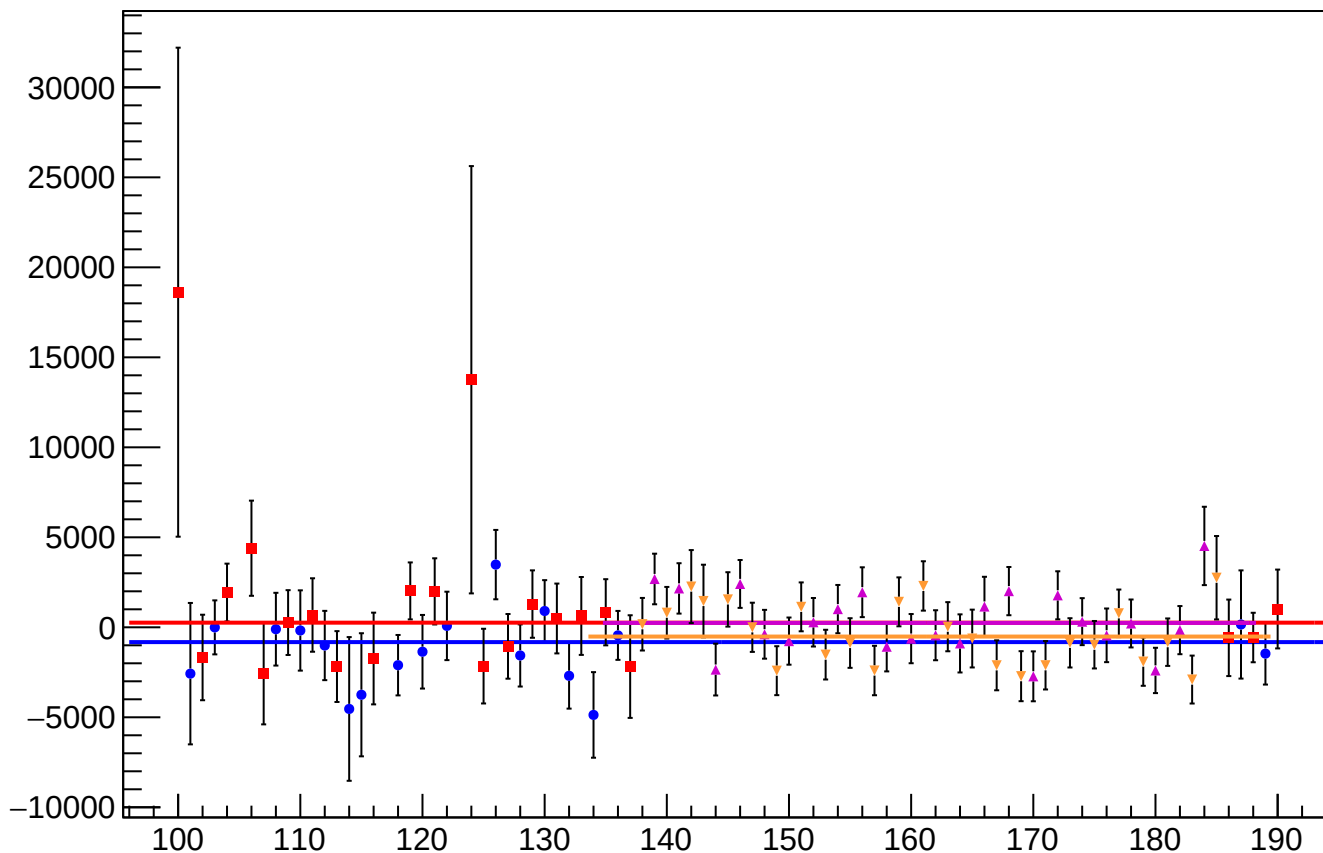
Left In: 272.368 $\pm$ 0.047 χ^2/NDF : 2887823.5/22

+ sign 282.537 $\pm$ 0.043 χ^2/NDF : 10317111.4/42

All: 287.002 $\pm$ 0.031 χ^2/NDF : 19849710.1/87

- sign 291.696 $\pm$ 0.044 χ^2/NDF : 9510331.2/44

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -822.593 ± 463.363 χ^2/NDF : 13.7/17

Left Out: -514.430 ± 285.945 χ^2/NDF : 30.9/24

Right Out: 257.521 ± 439.092 χ^2/NDF : 16.4/21

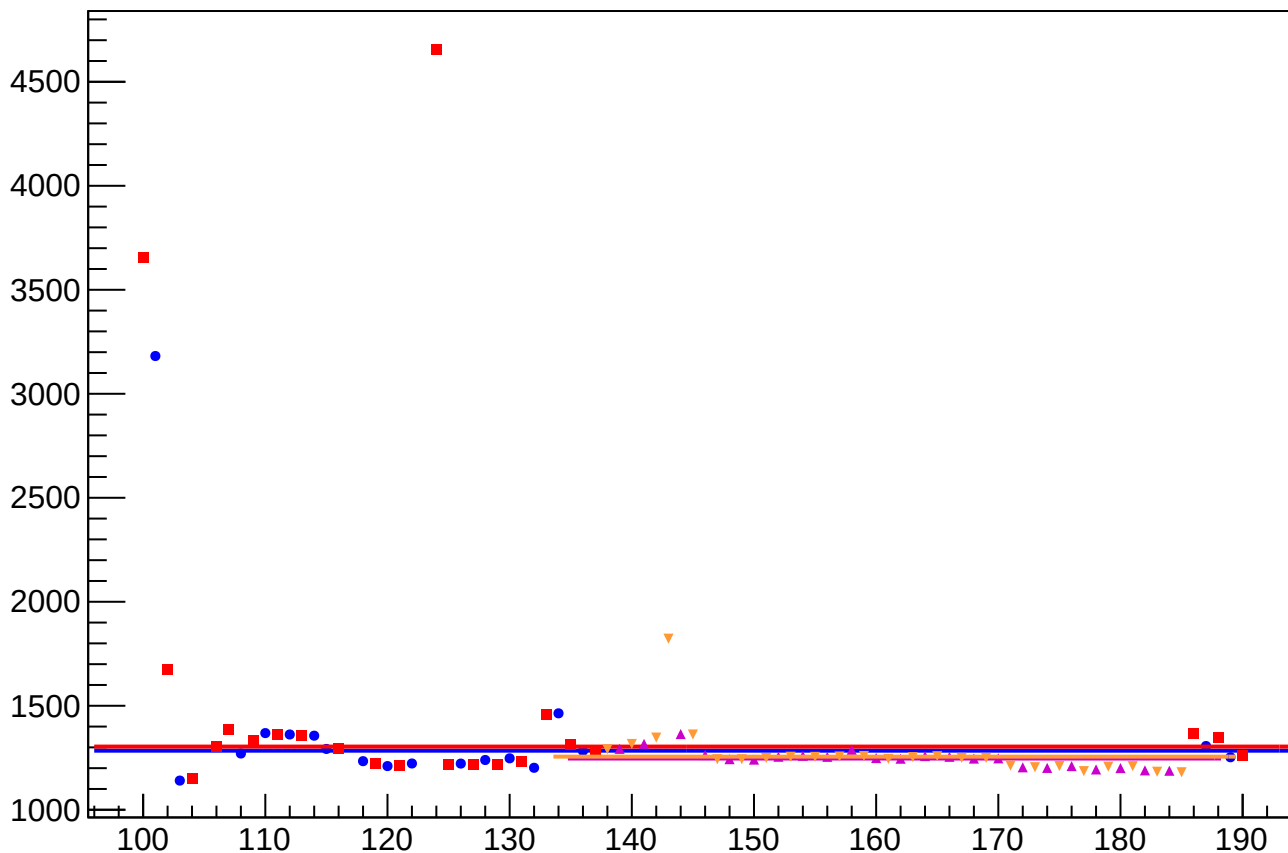
Left In: 242.663 ± 291.166 χ^2/NDF : 32.0/22

+ sign -599.419 ± 243.340 χ^2/NDF : 44.9/42

All: -174.930 ± 171.827 χ^2/NDF : 99.4/87

- sign 247.201 ± 242.663 χ^2/NDF : 48.4/44

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.135 $\pm$ 0.328 χ^2/NDF : 518950.9/17

Left Out: 1255.514 $\pm$ 0.202 χ^2/NDF : 203124.0/24

Right Out: 1303.774 $\pm$ 0.310 χ^2/NDF : 332447.6/21

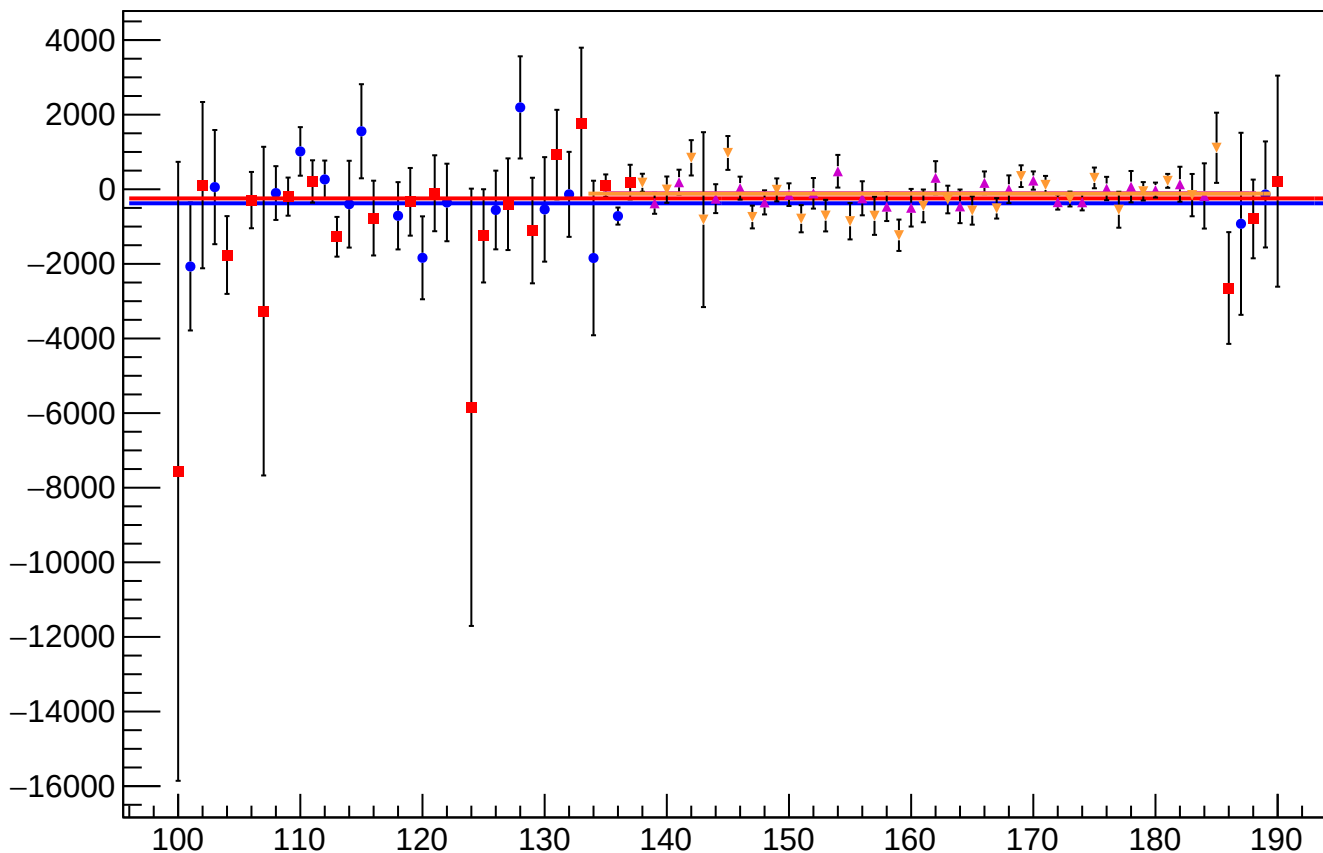
Left In: 1246.355 $\pm$ 0.206 χ^2/NDF : 39857.0/22

+ sign 1263.408 $\pm$ 0.172 χ^2/NDF : 727601.2/42

All: 1263.650 $\pm$ 0.122 χ^2/NDF : 1123665.2/87

- sign 1263.892 $\pm$ 0.172 χ^2/NDF : 396060.0/44

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug



Right In: -376.061 $\pm$ 166.667 χ^2 /NDF: 18.0/17

Left Out: -117.002 $\pm$ 65.060 χ^2 /NDF:48.4/24

Right Out: -245.379 $\pm$ 165.917 χ^2 /NDF: 17.0/21

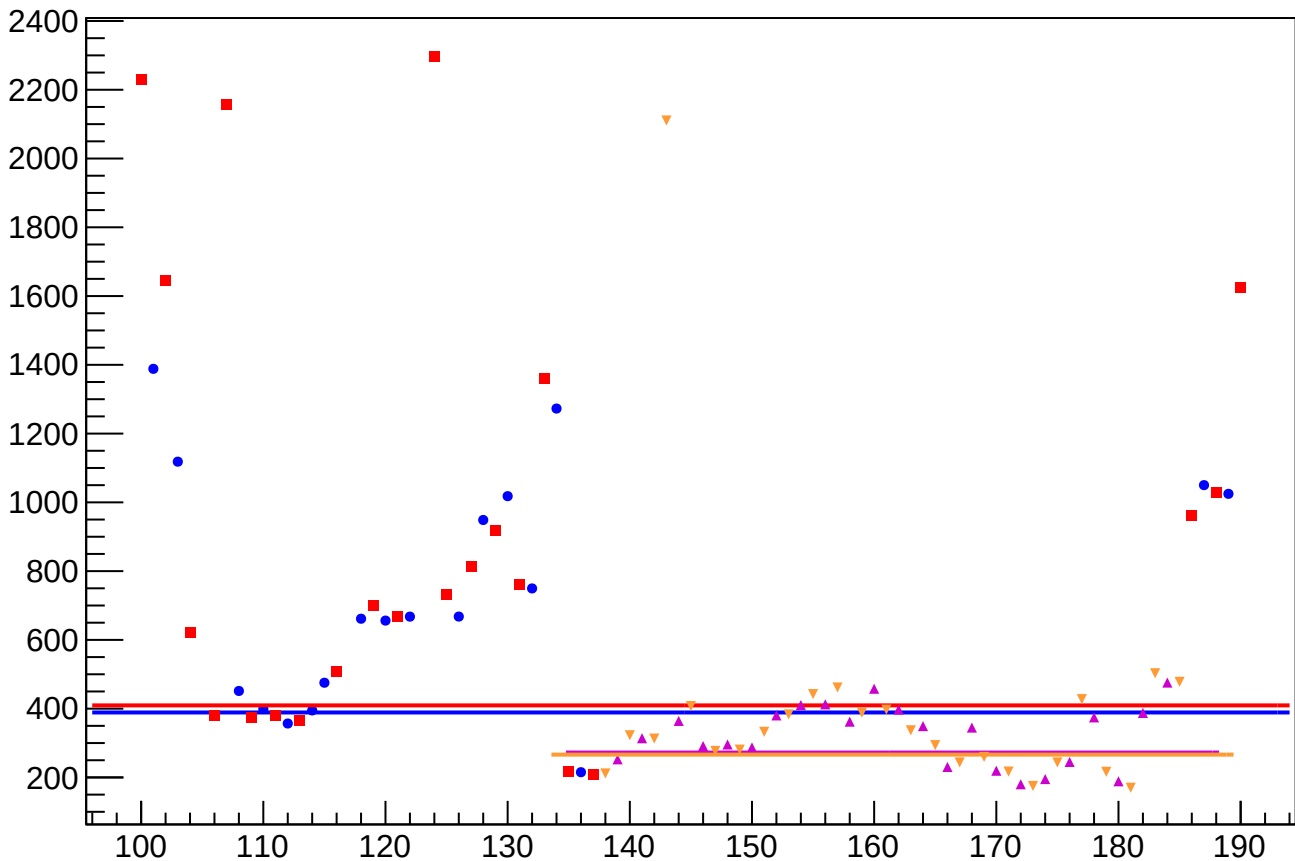
Left In: -107.459 $\pm$ 67.003 χ^2 /NDF:13.7/22

+ sign -151.258 $\pm$ 60.606 χ^2 /NDF: 68.6/42

All: -139.331 $\pm$ 43.383 χ^2 /NDF: 99.9/87

- sign -126.798 $\pm$ 62.128 χ^2 /NDF: 31.3/44

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 388.931+/-0.118 χ^2/NDF : 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF : 4630167.4/24

Right Out: 409.523+/-0.117 χ^2/NDF : 5442365.2/21

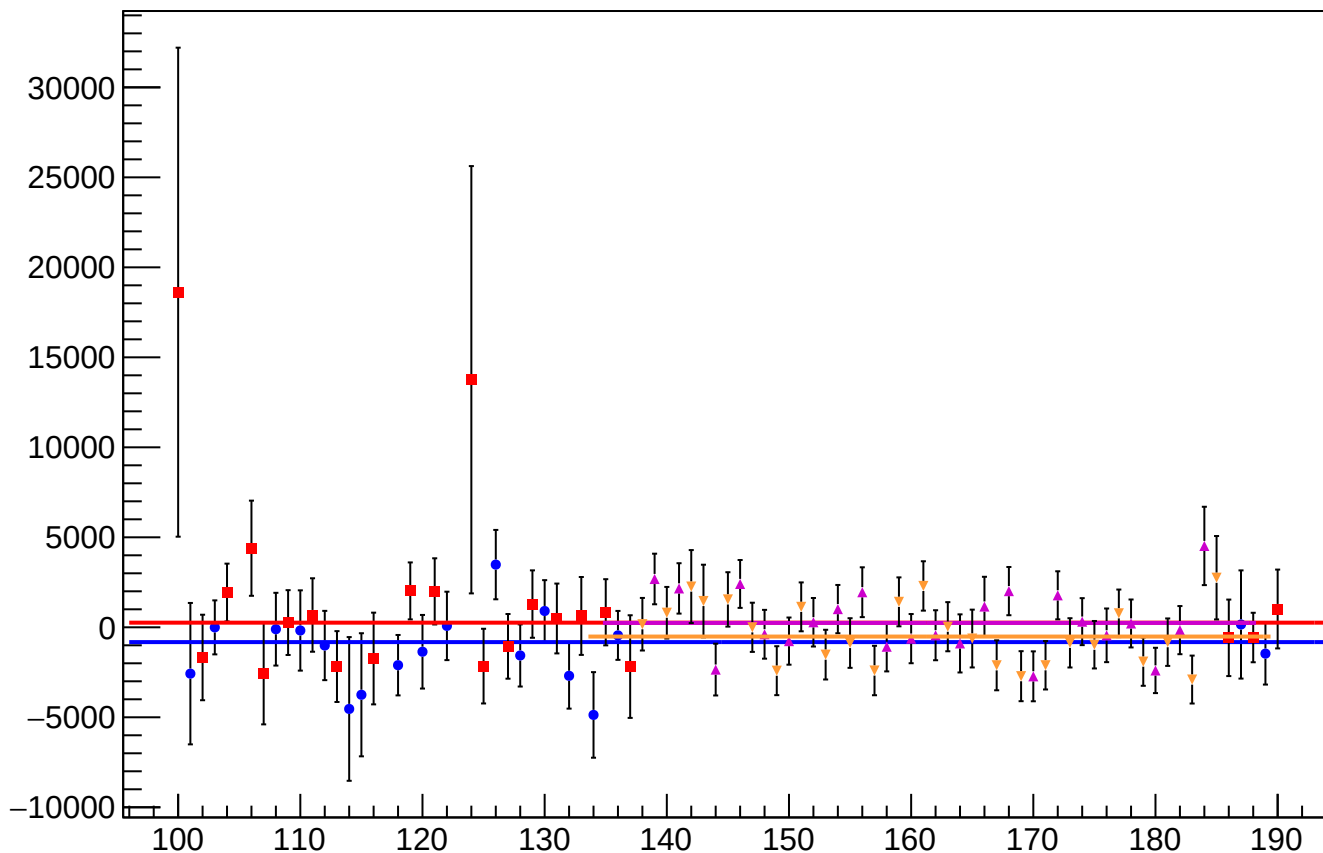
Left In: 272.378+/-0.047 χ^2/NDF : 2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF : 10319934.1/42

All: 286.961+/-0.031 χ^2/NDF : 19846641.8/87

- sign 291.608+/-0.044 χ^2/NDF : 9504871.7/44

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -822.593 ± 463.363 χ^2/NDF : 13.7/17

Left Out: -514.430 ± 285.945 χ^2/NDF : 30.9/24

Right Out: 257.521 ± 439.092 χ^2/NDF : 16.4/21

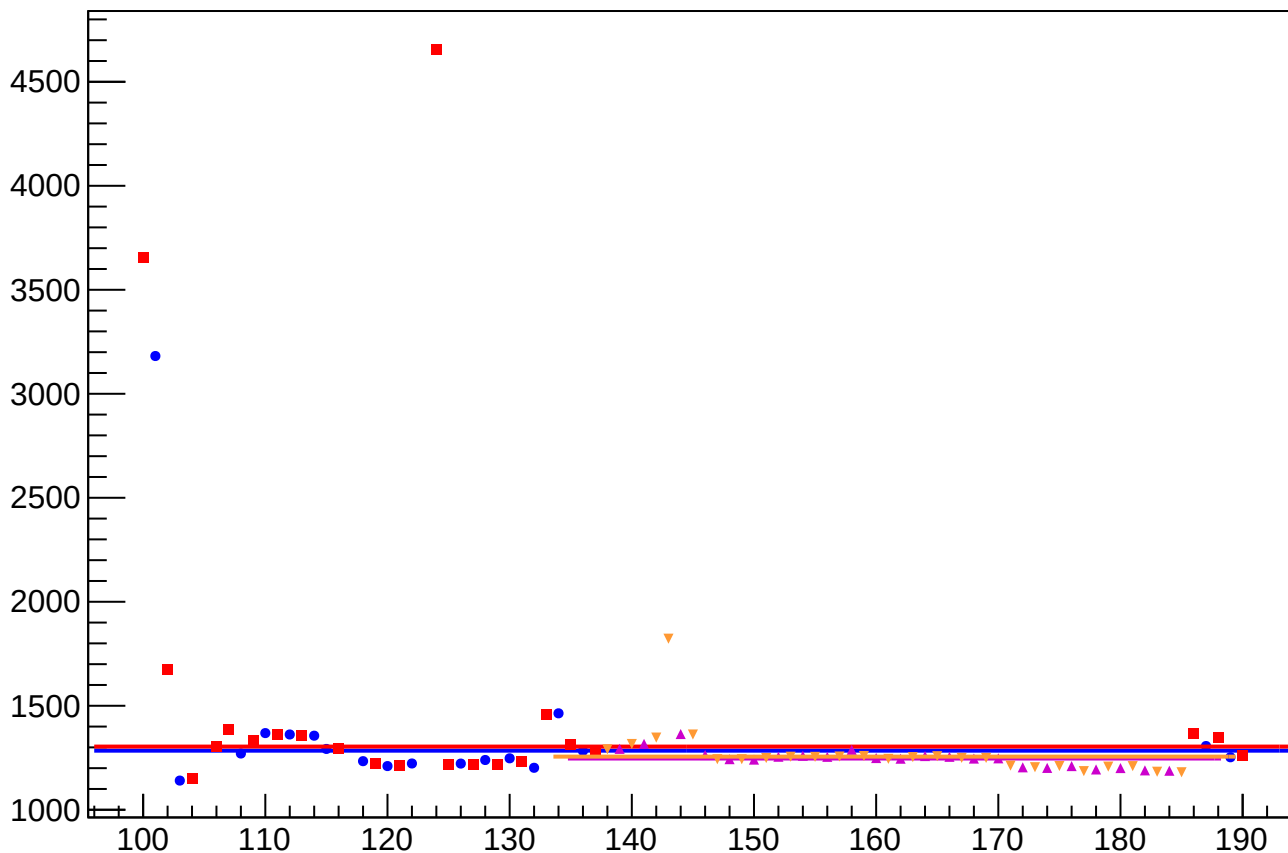
Left In: 242.663 ± 291.166 χ^2/NDF : 32.0/22

+ sign -599.419 ± 243.340 χ^2/NDF : 44.9/42

All: -174.930 ± 171.827 χ^2/NDF : 99.4/87

- sign 247.201 ± 242.663 χ^2/NDF : 48.4/44

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF : 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1303.774+/-0.310 χ^2/NDF : 332447.6/21

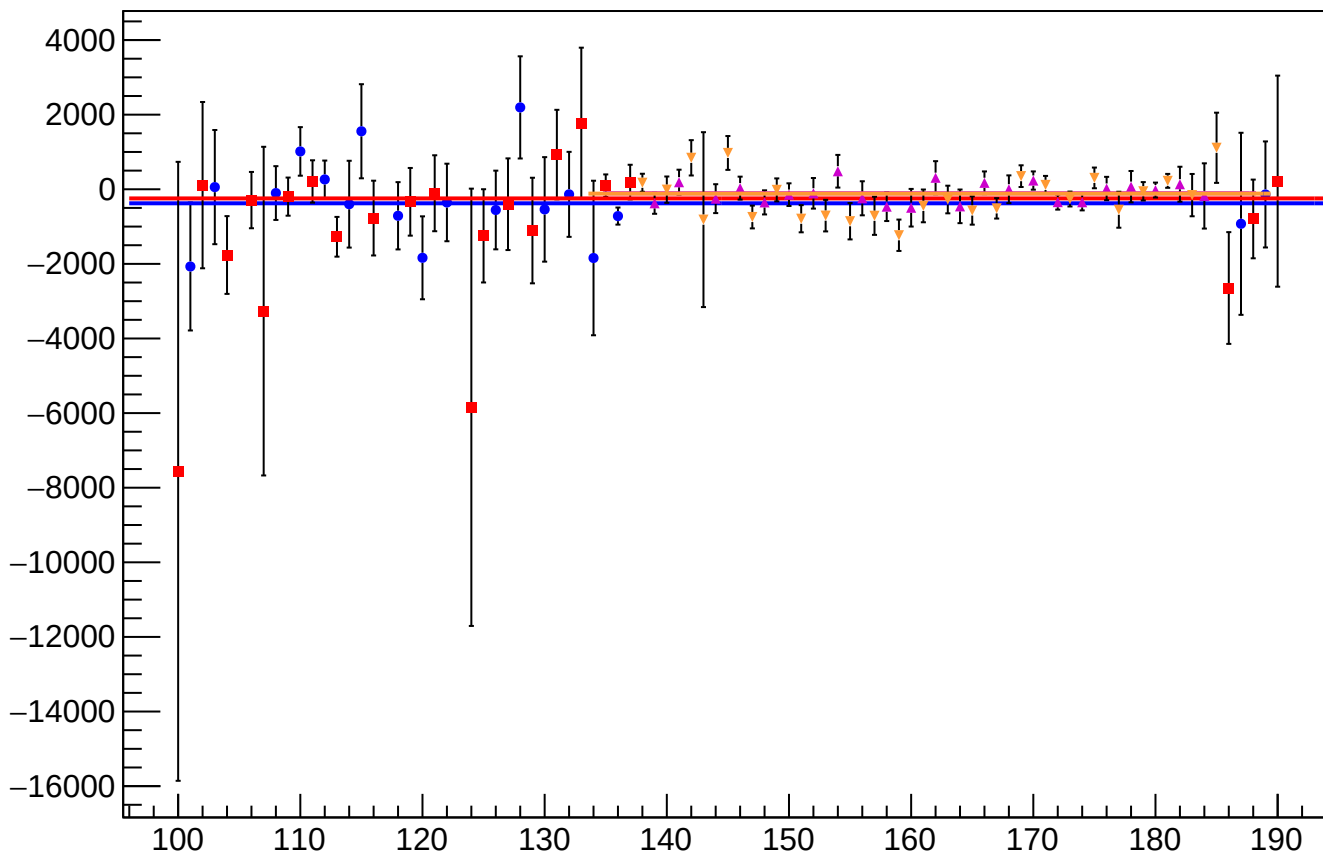
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF : 727601.2/42

All: 1263.650+/-0.122 χ^2/NDF : 1123665.2/87

- sign 1263.892+/-0.172 χ^2/NDF : 396060.0/44

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: -376.061+/-166.667 χ^2/NDF : 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF : 48.4/24

Right Out: -245.379+/-165.917 χ^2/NDF : 17.0/21

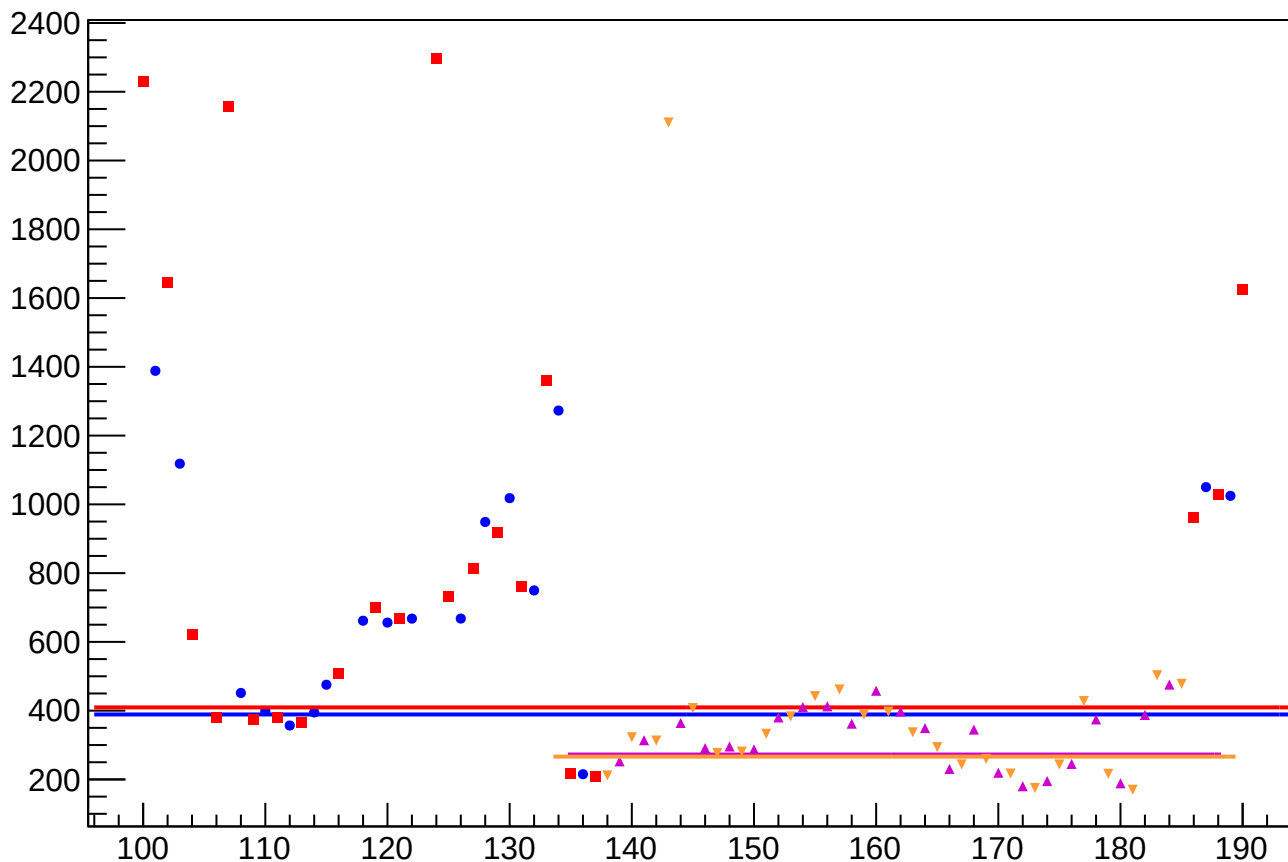
Left In: -107.459+/-67.003 χ^2/NDF : 13.7/22

+ sign -151.258+/-60.606 χ^2/NDF : 68.6/42

All: -139.331+/-43.383 χ^2/NDF : 99.9/87

- sign -126.798+/-62.128 χ^2/NDF : 31.3/44

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 388.931+/-0.118 χ^2/NDF : 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF : 4630167.4/24

Right Out: 409.523+/-0.117 χ^2/NDF : 5442365.2/21

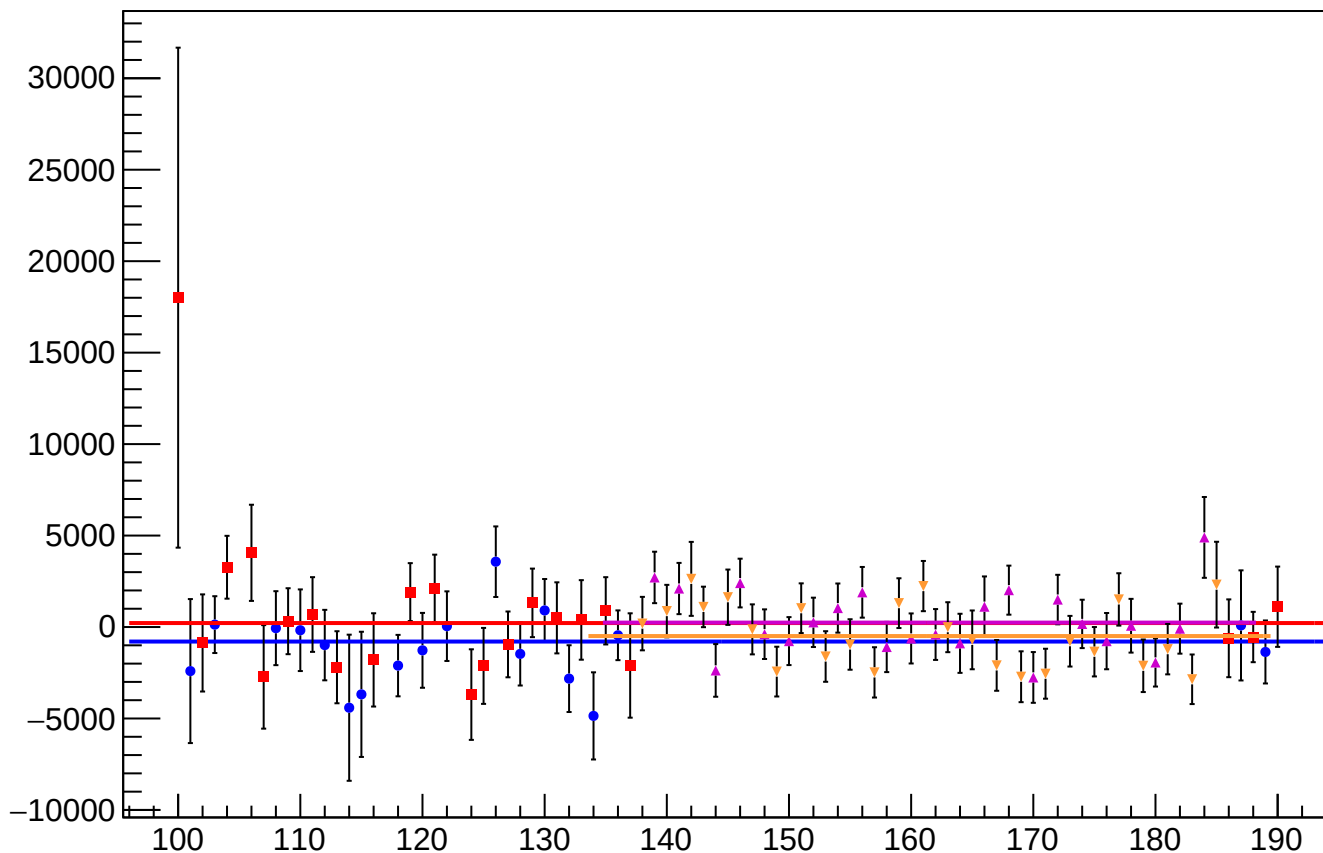
Left In: 272.378+/-0.047 χ^2/NDF : 2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF : 10319934.1/42

All: 286.961+/-0.031 χ^2/NDF : 19846641.8/87

- sign 291.608+/-0.044 χ^2/NDF : 9504871.7/44

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -794.138 ± 465.277 χ^2/NDF : 13.8/17

Left Out: -493.436 ± 282.734 χ^2/NDF : 34.2/24

Right Out: 217.653 ± 436.447 χ^2/NDF : 18.6/21

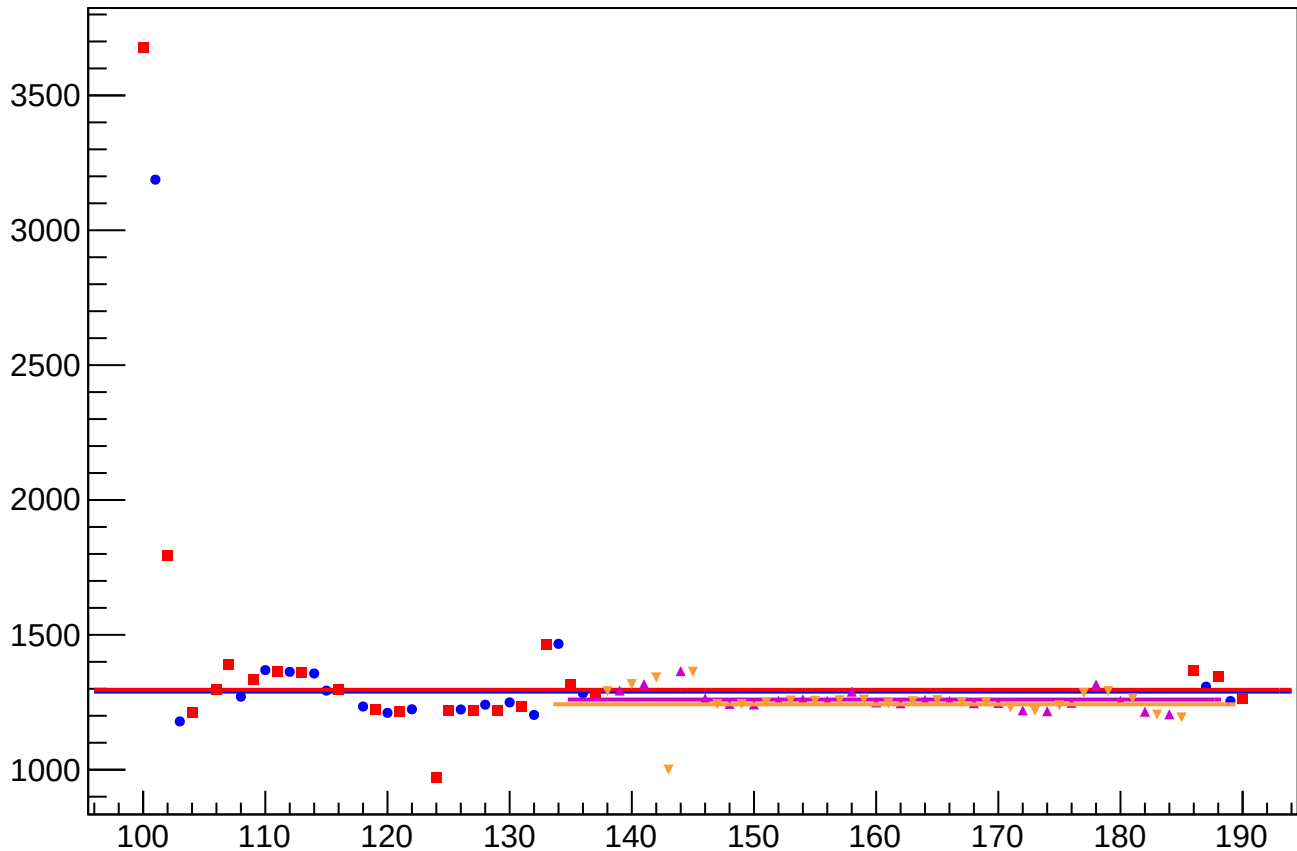
Left In: 242.004 ± 294.339 χ^2/NDF : 30.7/22

+ sign -574.529 ± 241.621 χ^2/NDF : 48.3/42

All: -174.082 ± 171.698 χ^2/NDF : 103.2/87

- sign 234.391 ± 244.031 χ^2/NDF : 49.3/44

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.680 $\pm$ 0.329 χ^2 /NDF: 510361.0/17

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF:130023.1/24

Right Out: 1296.265 $\pm$ 0.309 χ^2 /NDF: 215191.1/21

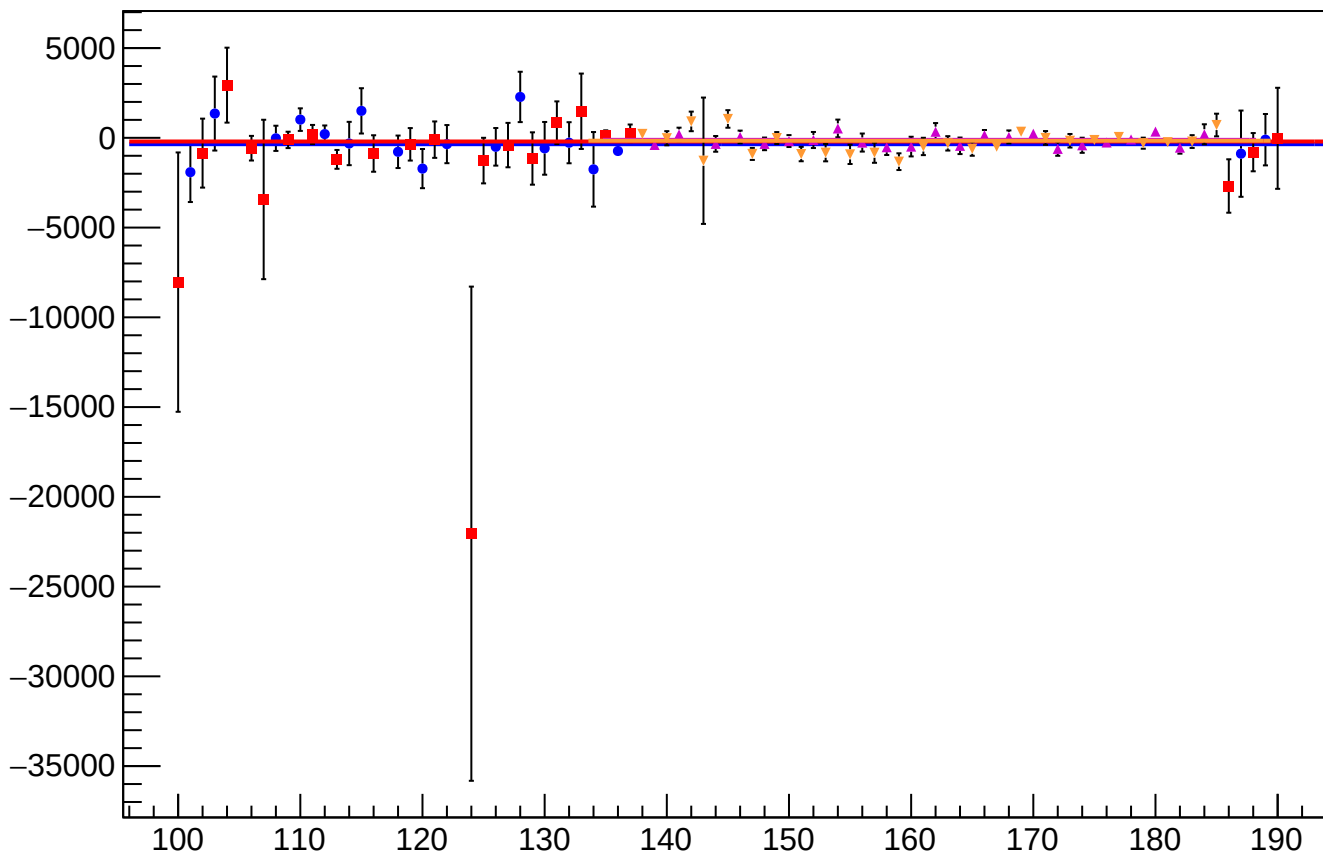
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF:27932.1/22

+ sign 1255.252 $\pm$ 0.171 χ^2 /NDF: 655377.8/42

All: 1263.247 $\pm$ 0.121 χ^2 /NDF: 912366.7/87

- sign 1271.402 $\pm$ 0.173 χ^2 /NDF: 252565.7/44

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -354.342 ± 168.369 χ^2/NDF : 18.5/17

Left Out: -160.930 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -204.584 ± 166.210 χ^2/NDF : 19.0/21

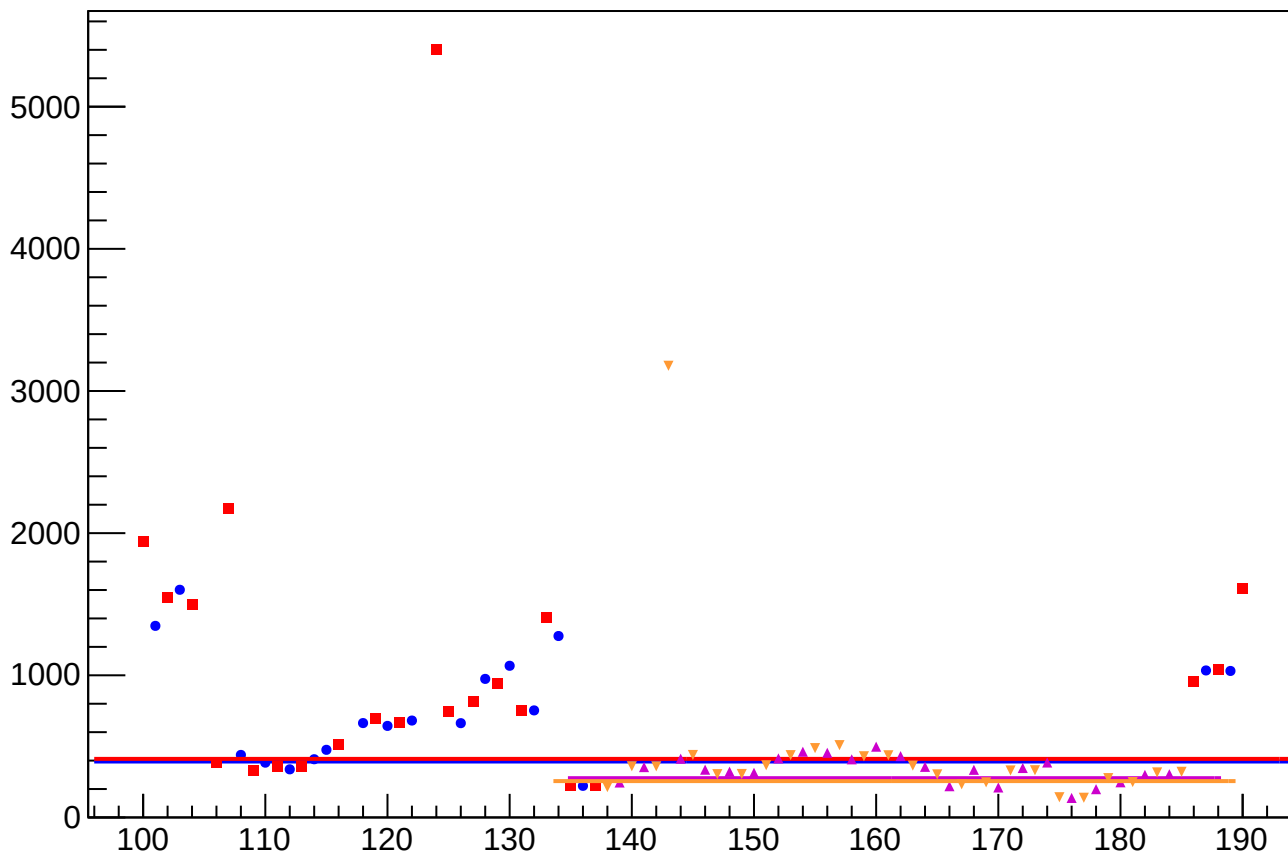
Left In: -113.722 ± 68.841 χ^2/NDF : 18.2/22

+ sign -185.436 ± 59.932 χ^2/NDF : 63.4/42

All: -157.964 ± 43.618 χ^2/NDF : 101.3/87

- sign -127.026 ± 63.601 χ^2/NDF : 37.5/44

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 393.541+/-0.119 χ^2/NDF : 4866722.7/17

Left Out: 255.768+/-0.045 χ^2/NDF : 6373929.4/24

Right Out: 412.008+/-0.118 χ^2/NDF : 5937168.3/21

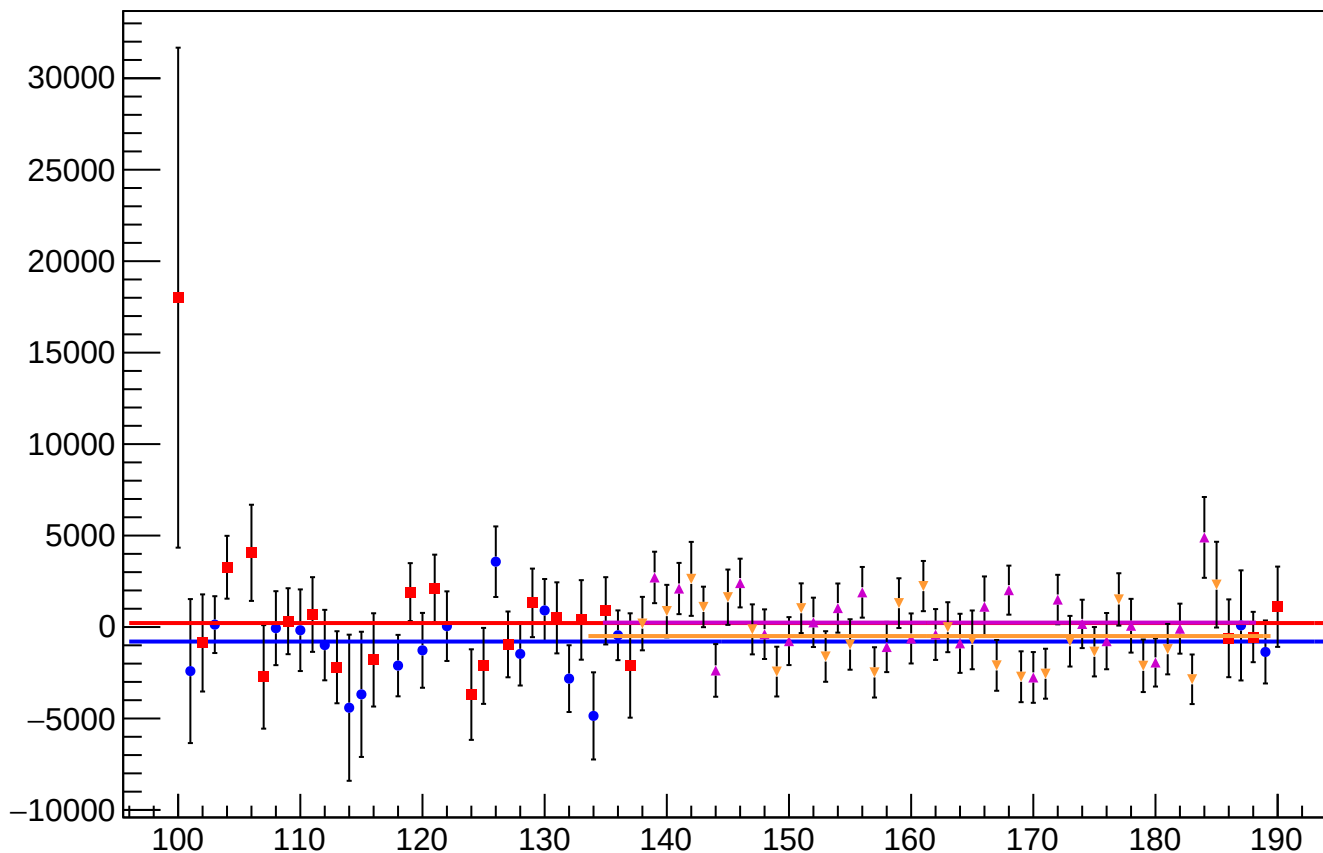
Left In: 276.298+/-0.049 χ^2/NDF : 4027410.5/22

+ sign 273.225+/-0.042 χ^2/NDF : 12410127.2/42

All: 284.016+/-0.031 χ^2/NDF : 23650678.9/87

- sign 296.170+/-0.045 χ^2/NDF : 11102676.6/44

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -794.140 ± 465.277 χ^2/NDF : 13.8/17

Left Out: -493.435 ± 282.734 χ^2/NDF : 34.2/24

Right Out: 217.654 ± 436.447 χ^2/NDF : 18.6/21

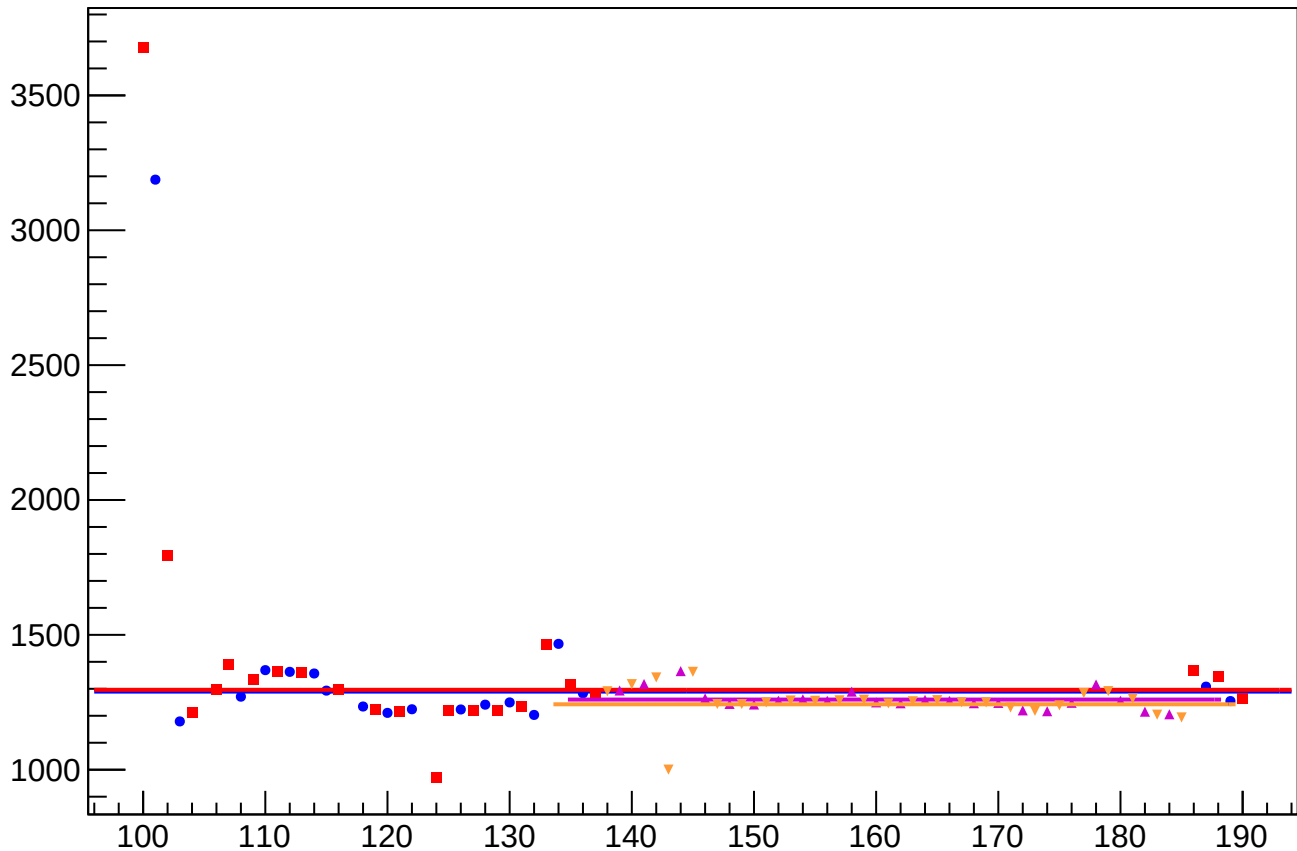
Left In: 242.004 ± 294.339 χ^2/NDF : 30.7/22

+ sign -574.529 ± 241.621 χ^2/NDF : 48.3/42

All: -174.082 ± 171.698 χ^2/NDF : 103.2/87

- sign 234.391 ± 244.031 χ^2/NDF : 49.3/44

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.680 $\pm$ 0.329 χ^2 /NDF: 510361.0/17

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF: 130022.2/24

Right Out: 1296.265 $\pm$ 0.309 χ^2 /NDF: 215191.3/21

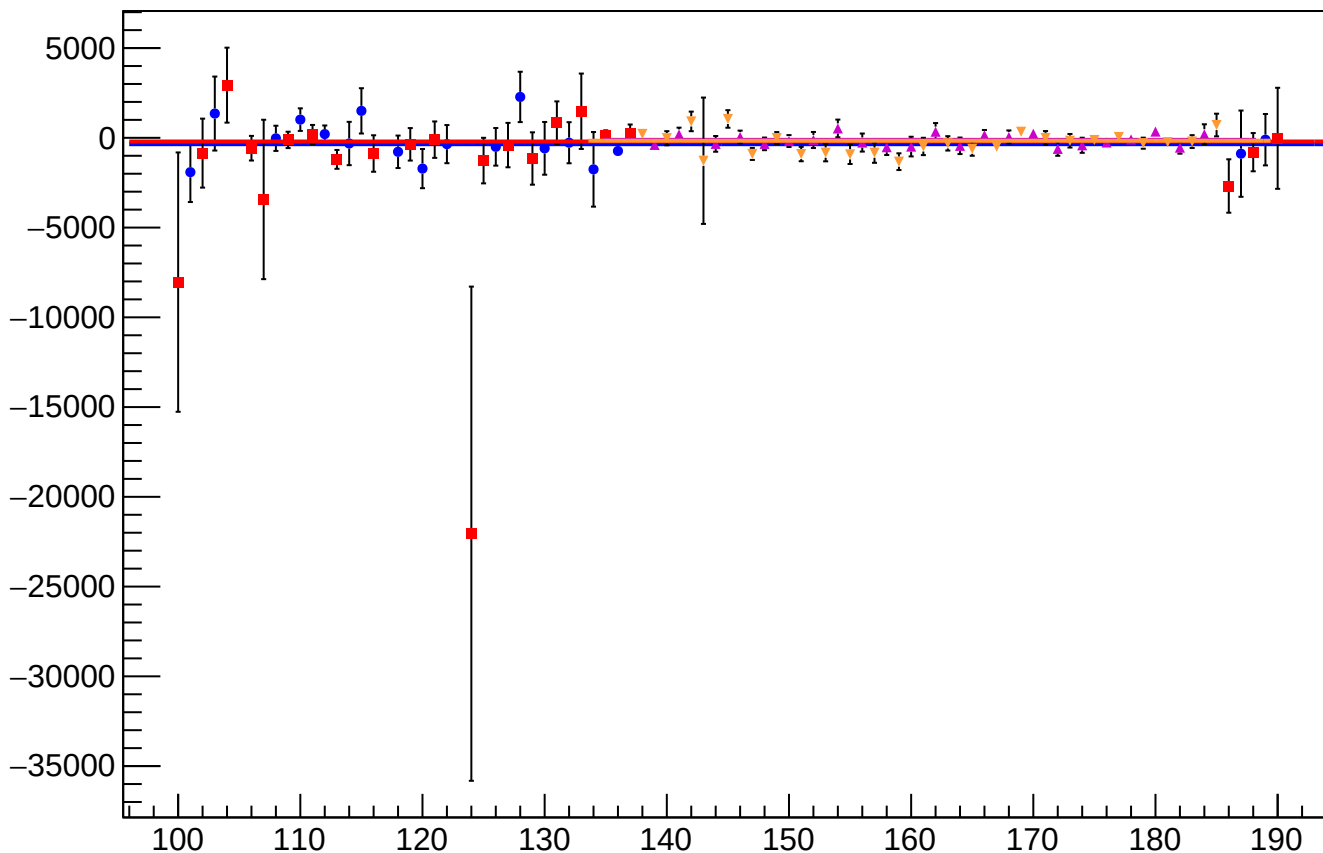
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF: 27932.2/22

+ sign 1255.252 $\pm$ 0.171 χ^2 /NDF: 655376.9/42

All: 1263.247 $\pm$ 0.121 χ^2 /NDF: 912366.1/87

- sign 1271.402 $\pm$ 0.173 χ^2 /NDF: 252566.1/44

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: -354.343 ± 168.372 χ^2/NDF : 18.5/17

Left Out: -160.933 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -204.591 ± 166.213 χ^2/NDF : 19.0/21

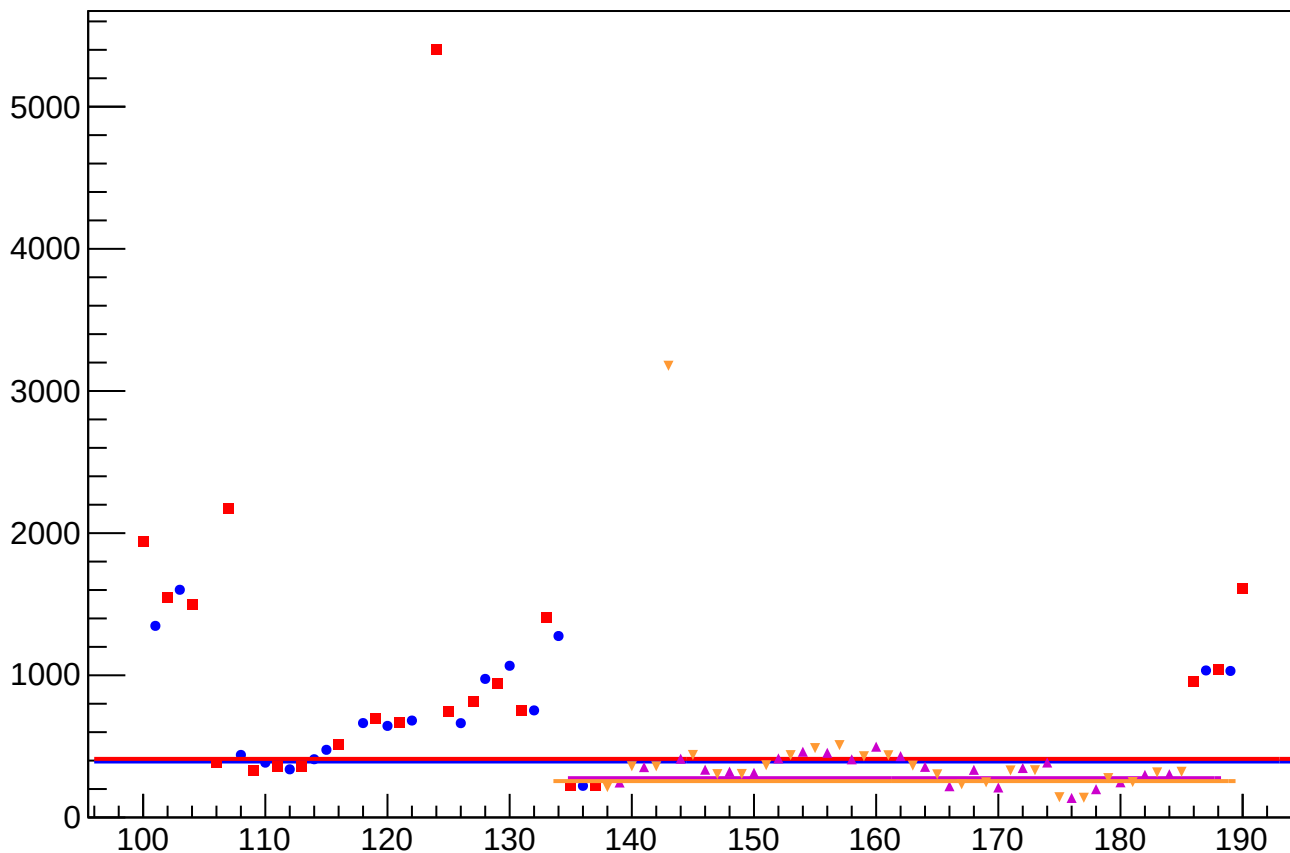
Left In: -113.720 ± 68.841 χ^2/NDF : 18.2/22

+ sign -185.438 ± 59.932 χ^2/NDF : 63.4/42

All: -157.965 ± 43.618 χ^2/NDF : 101.3/87

- sign -127.025 ± 63.601 χ^2/NDF : 37.5/44

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 393.551+/-0.119 χ^2/NDF : 4866523.3/17

Left Out: 255.770+/-0.045 χ^2/NDF : 6373829.7/24

Right Out: 412.017+/-0.118 χ^2/NDF : 5937000.0/21

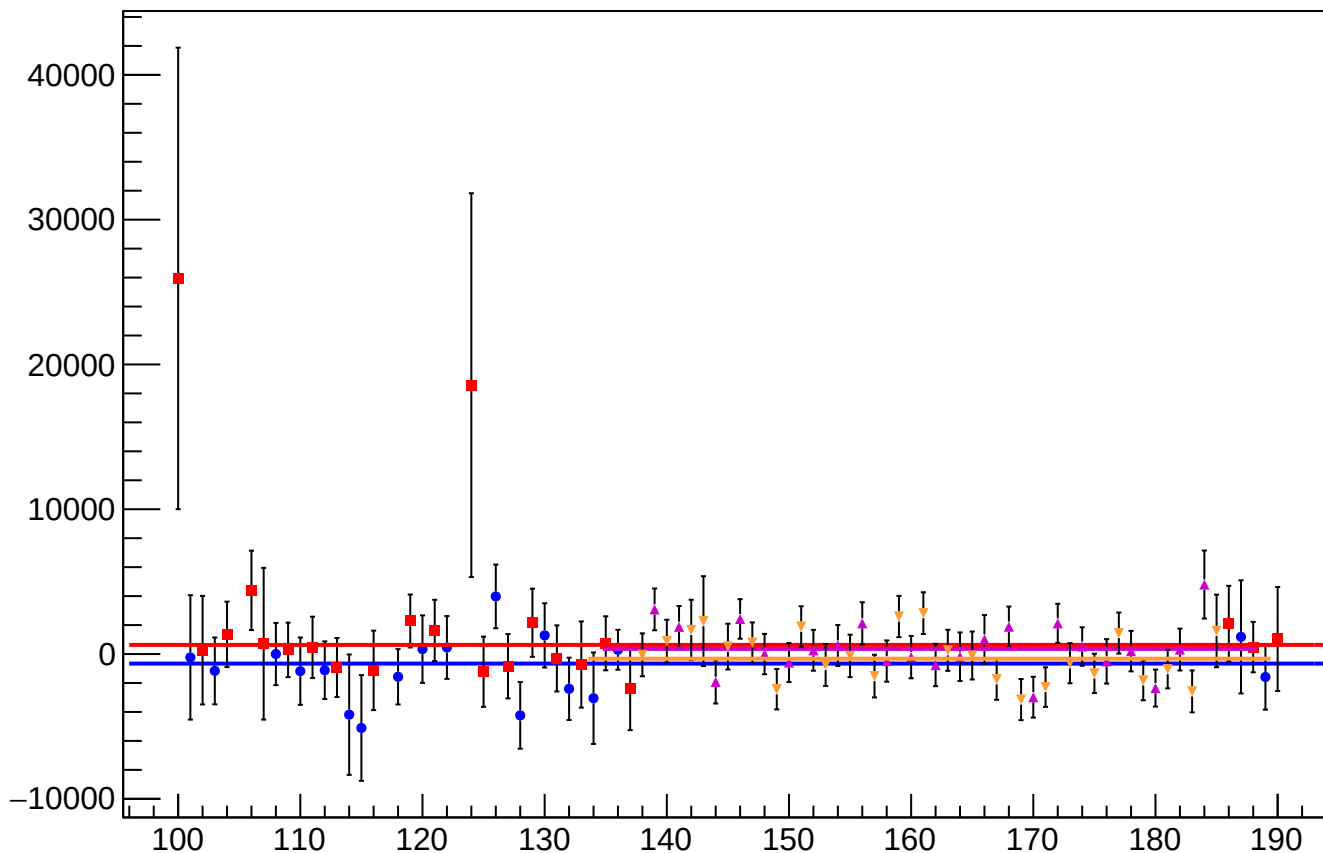
Left In: 276.299+/-0.049 χ^2/NDF : 4027371.0/22

+ sign 273.227+/-0.042 χ^2/NDF : 12409944.6/42

All: 284.018+/-0.031 χ^2/NDF : 23650381.8/87

- sign 296.171+/-0.045 χ^2/NDF : 11102572.9/44

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -660.215 ± 542.199 χ^2/NDF : 12.9/17

Left Out: -319.744 ± 298.271 χ^2/NDF : 31.6/24

Right Out: 630.889 ± 522.219 χ^2/NDF : 11.7/21

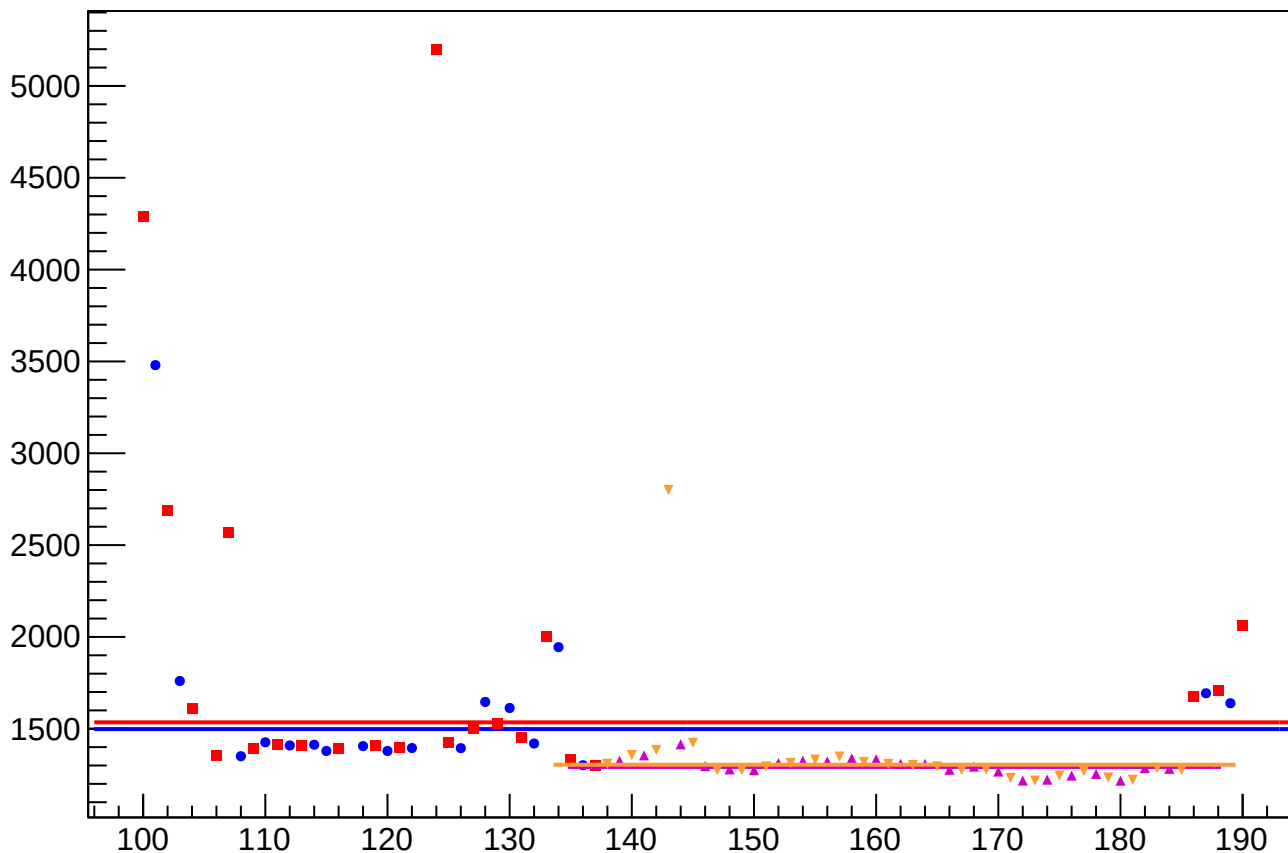
Left In: 356.387 ± 301.902 χ^2/NDF : 29.7/22

+ sign -398.842 ± 261.337 χ^2/NDF : 44.7/42

All: 13.104 ± 184.804 χ^2/NDF : 91.2/87

- sign 425.149 ± 261.369 χ^2/NDF : 41.5/44

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1498.249+/-0.383 χ^2/NDF : 598283.9/17

Left Out: 1304.156+/-0.211 χ^2/NDF : 519609.1/24

Right Out: 1534.920+/-0.369 χ^2/NDF : 701060.0/21

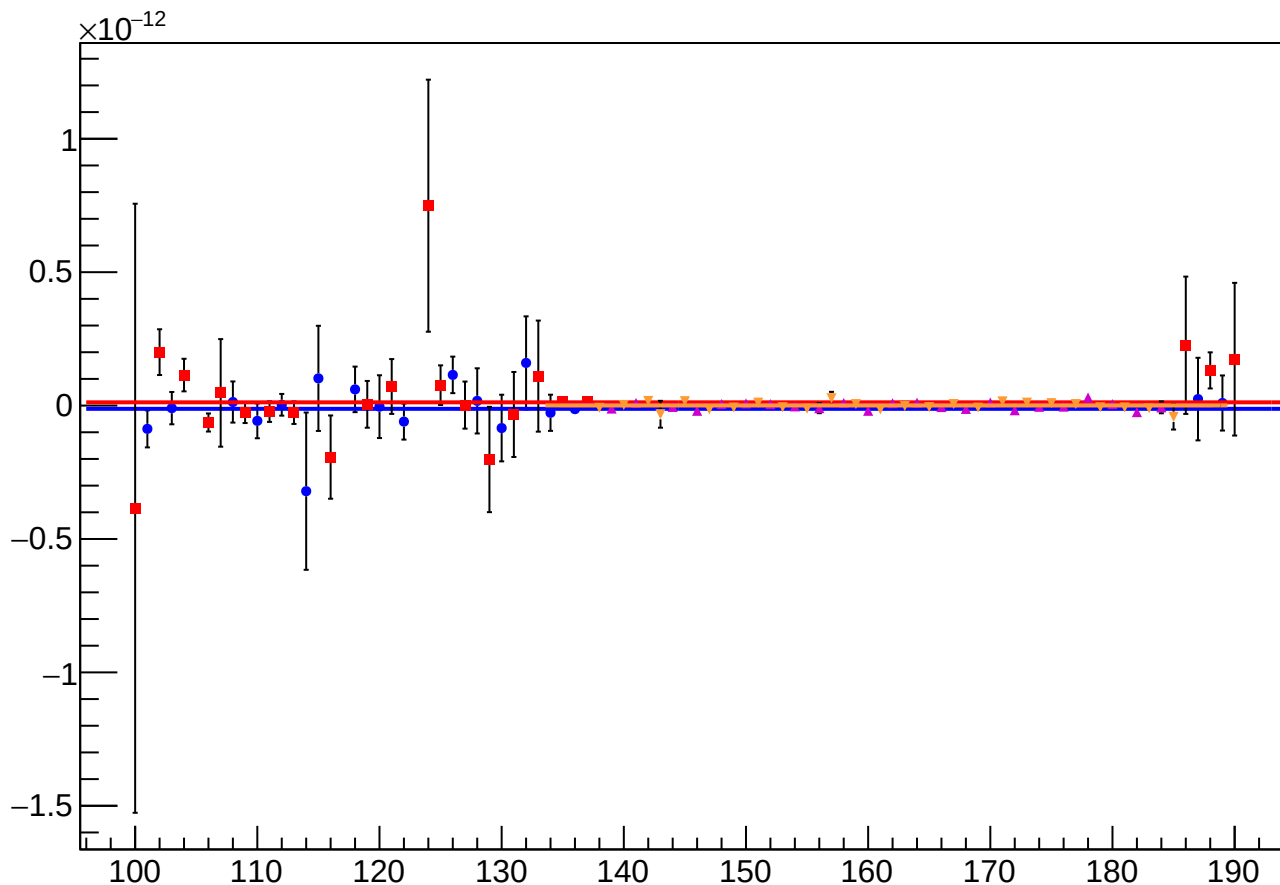
Left In: 1292.123+/-0.213 χ^2/NDF : 48343.1/22

+ sign 1349.248+/-0.185 χ^2/NDF : 1314642.7/42

All: 1351.095+/-0.131 χ^2/NDF : 2388277.5/87

- sign 1352.943+/-0.185 χ^2/NDF : 1073434.9/44

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 26.5/21

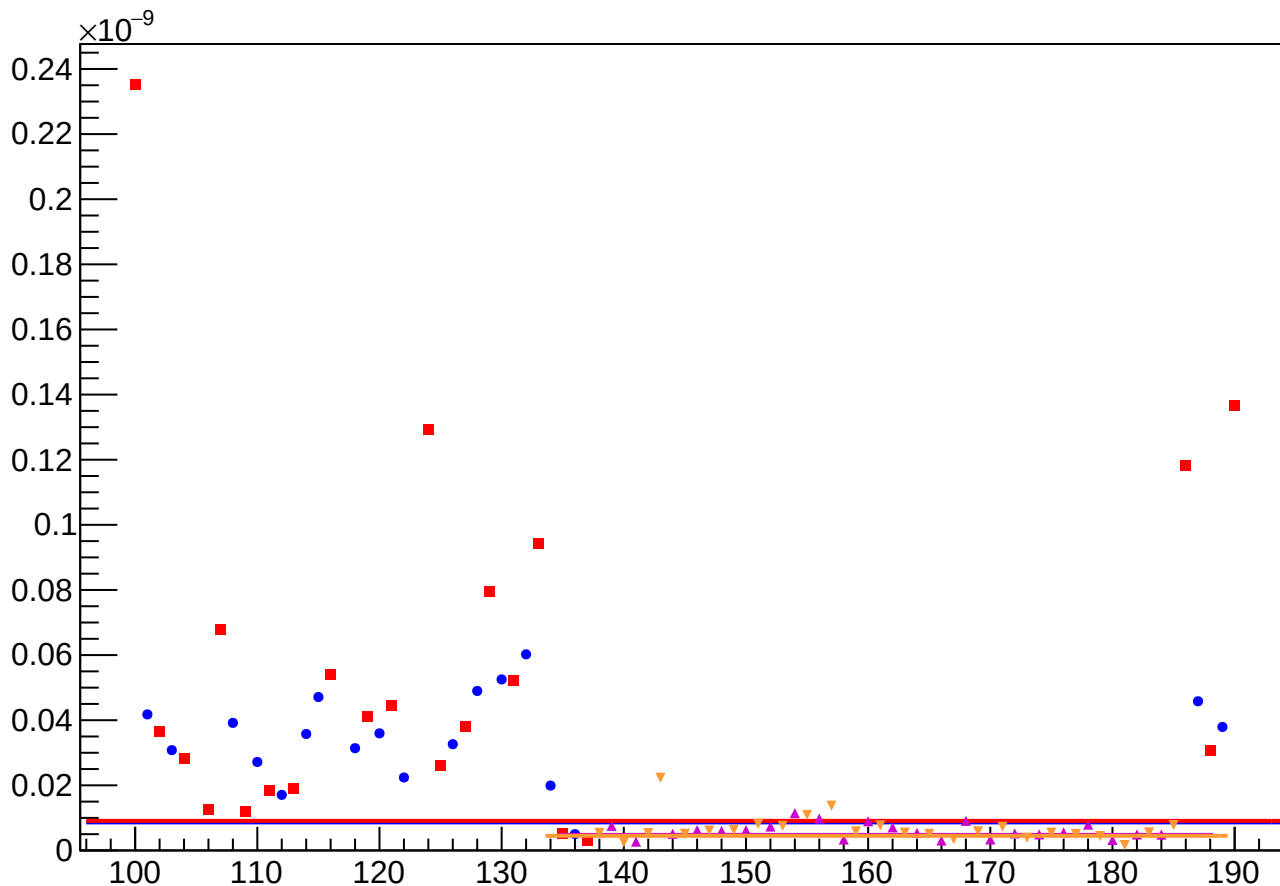
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 36.7/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 95.1/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 58.0/44

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3338564.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2715297.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4319981.9/21

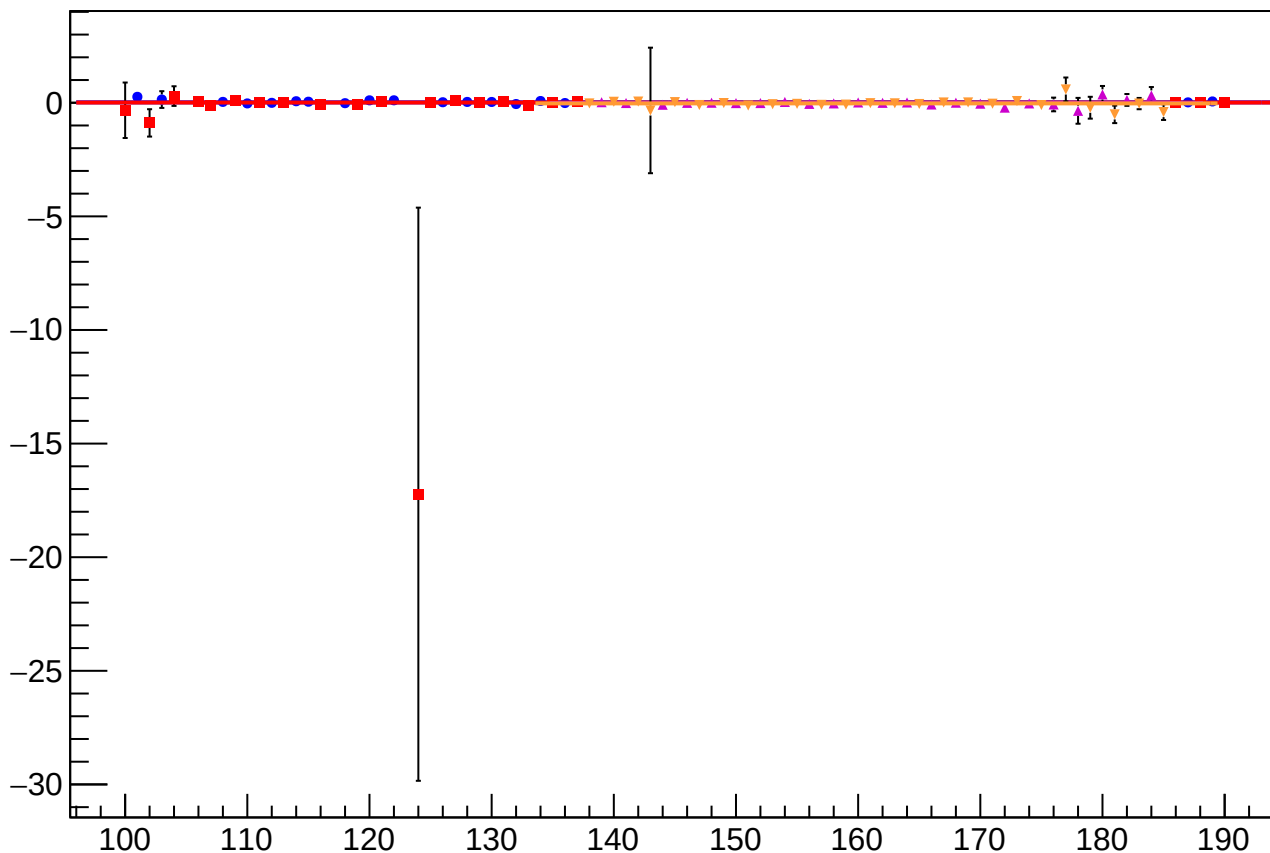
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1884808.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6635022.1/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13415251.3/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6756576.3/44

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 ± 0.015 χ^2/NDF : 11.8/17

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.009 ± 0.014 χ^2/NDF : 16.5/21

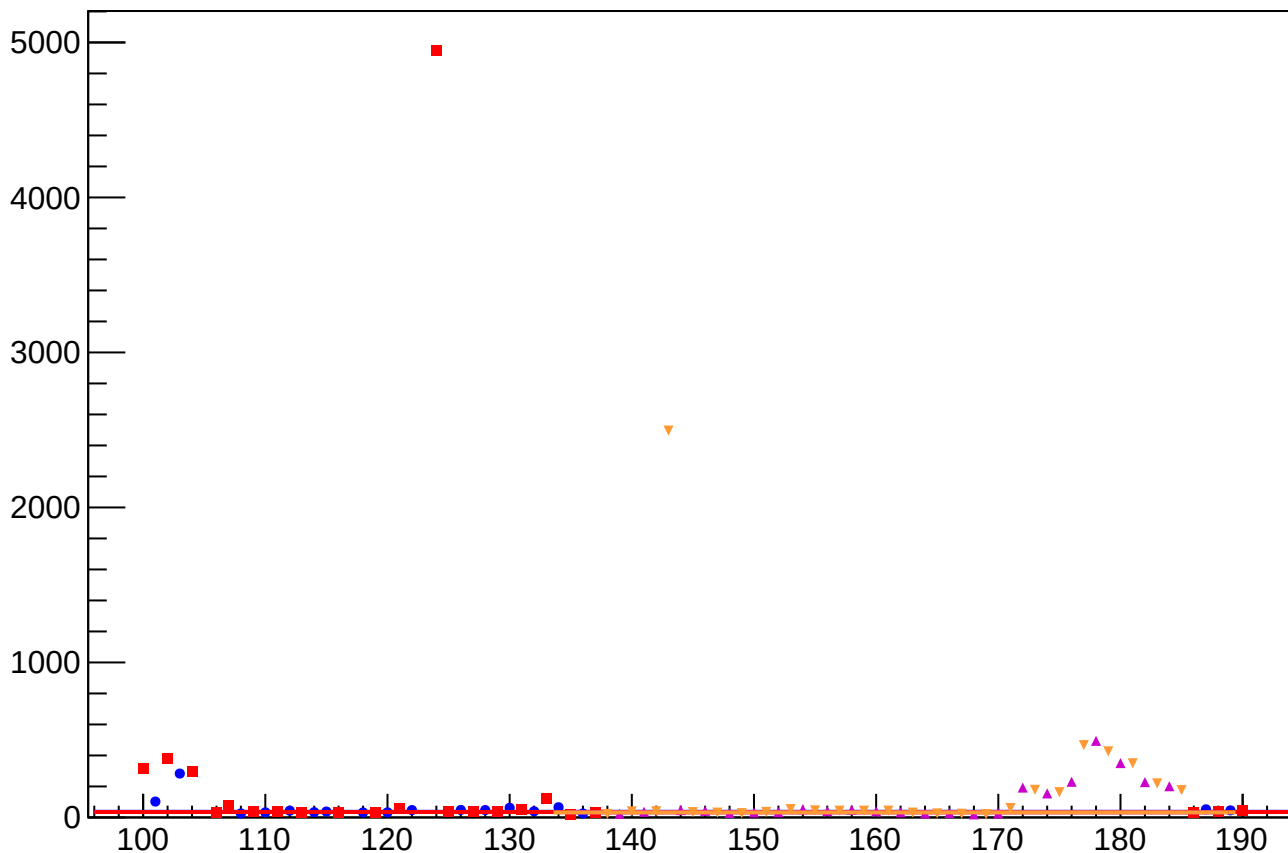
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.008 χ^2/NDF : 46.8/42

All: -0.009 ± 0.006 χ^2/NDF : 78.6/87

- sign -0.004 ± 0.008 χ^2/NDF : 31.1/44

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.439+/-0.011 χ^2/NDF : 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 34.918+/-0.010 χ^2/NDF : 2980134.6/21

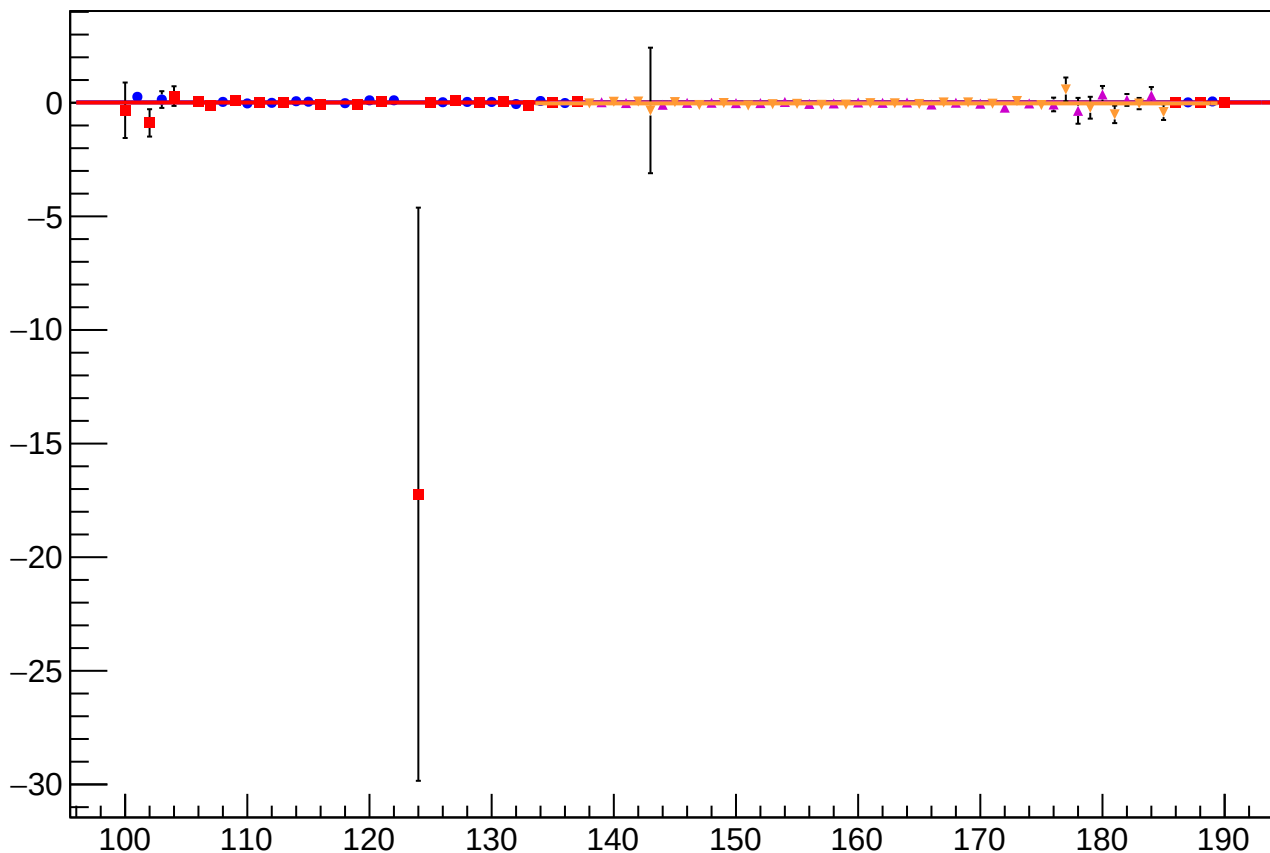
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF : 13305085.7/42

All: 33.549+/-0.004 χ^2/NDF : 25282918.8/87

- sign 33.433+/-0.006 χ^2/NDF : 11976945.5/44

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.015 χ^2 /NDF: 11.8/17

Left Out: -0.028 $\pm$ 0.010 χ^2 /NDF: 28.1/24

Right Out: 0.009 $\pm$ 0.014 χ^2 /NDF: 16.5/21

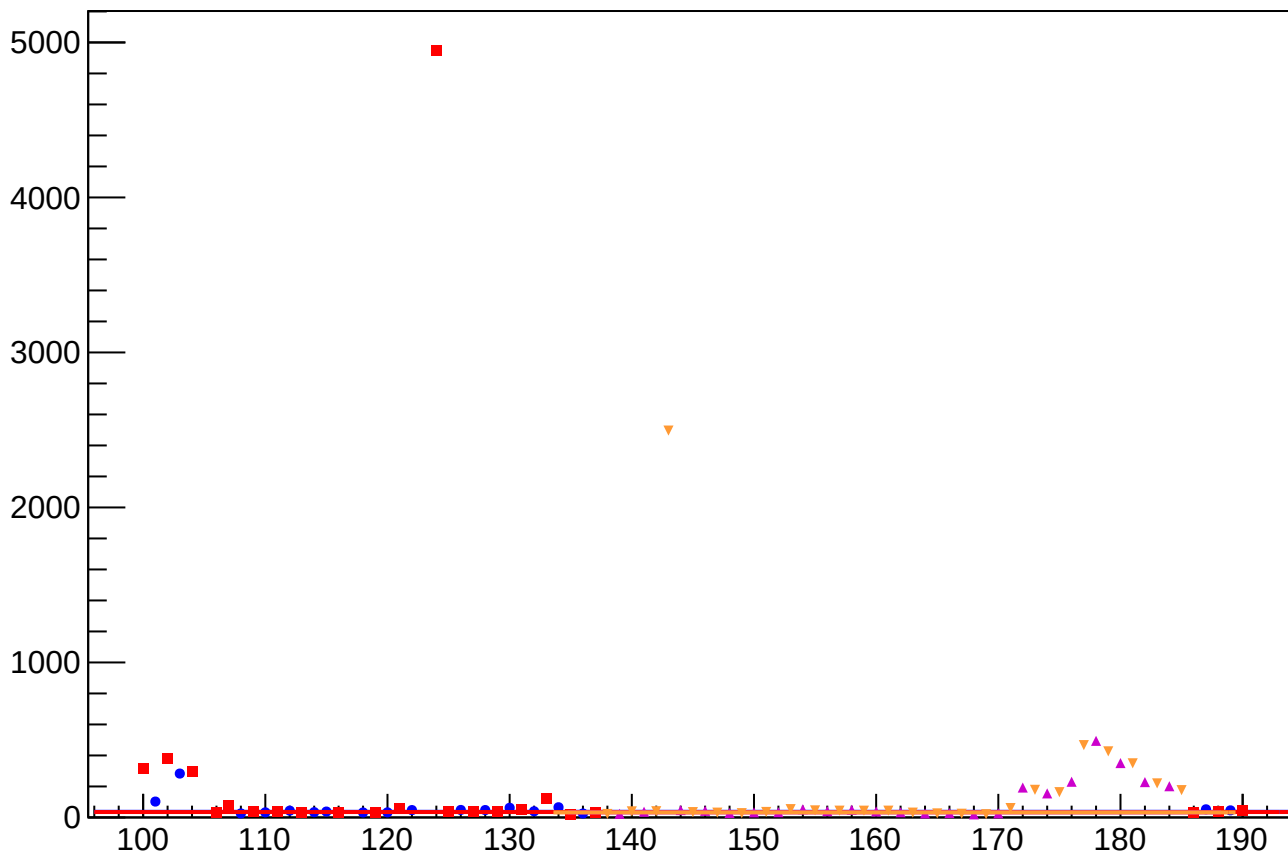
Left In: -0.011 $\pm$ 0.009 χ^2 /NDF: 13.2/22

+ sign -0.015 $\pm$ 0.008 χ^2 /NDF: 46.8/42

All: -0.009 $\pm$ 0.006 χ^2 /NDF: 78.6/87

- sign -0.004 $\pm$ 0.008 χ^2 /NDF: 31.1/44

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.439+/-0.011 χ^2/NDF : 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 34.918+/-0.010 χ^2/NDF : 2980134.6/21

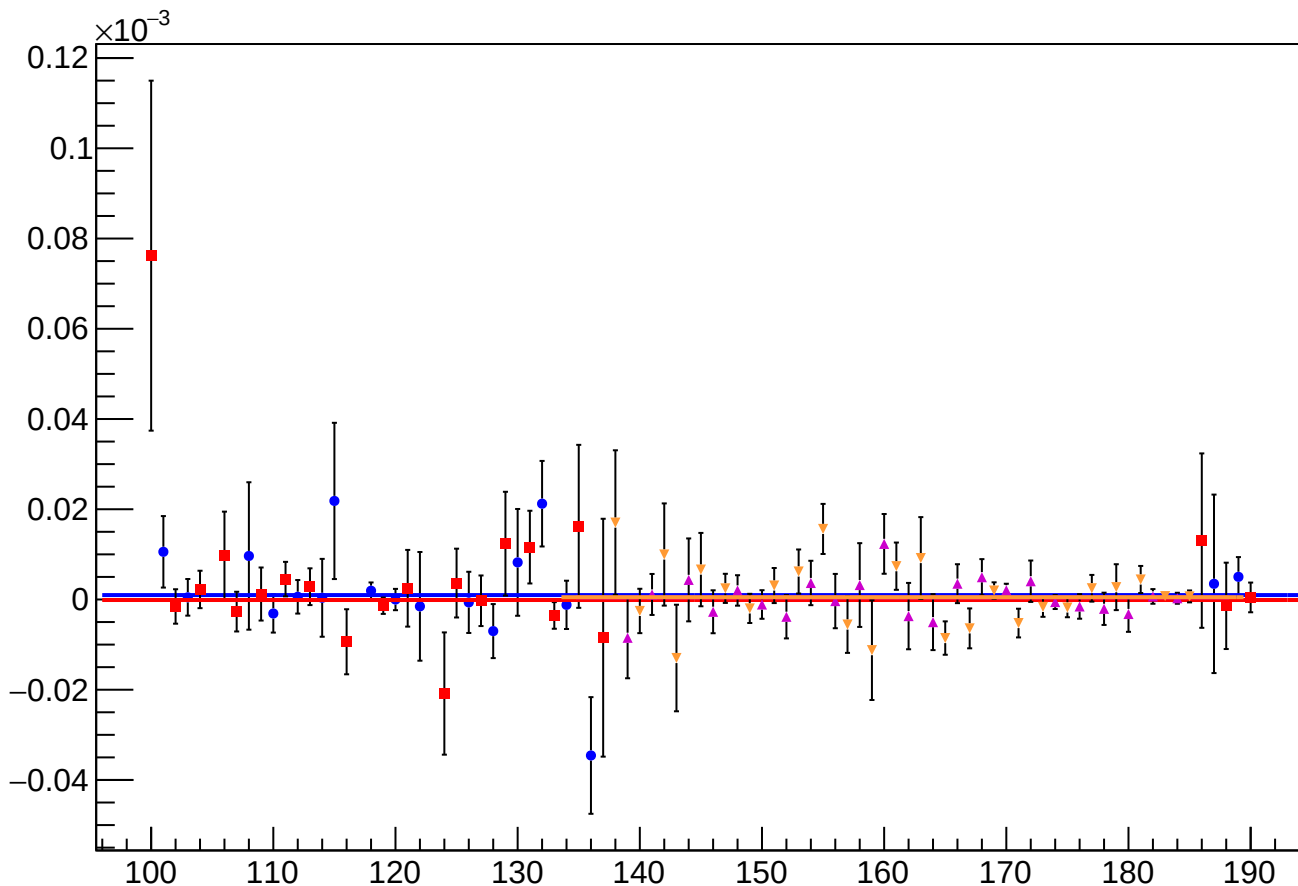
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF : 13305085.7/42

All: 33.549+/-0.004 χ^2/NDF : 25282918.8/87

- sign 33.433+/-0.006 χ^2/NDF : 11976945.5/44

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.6/21

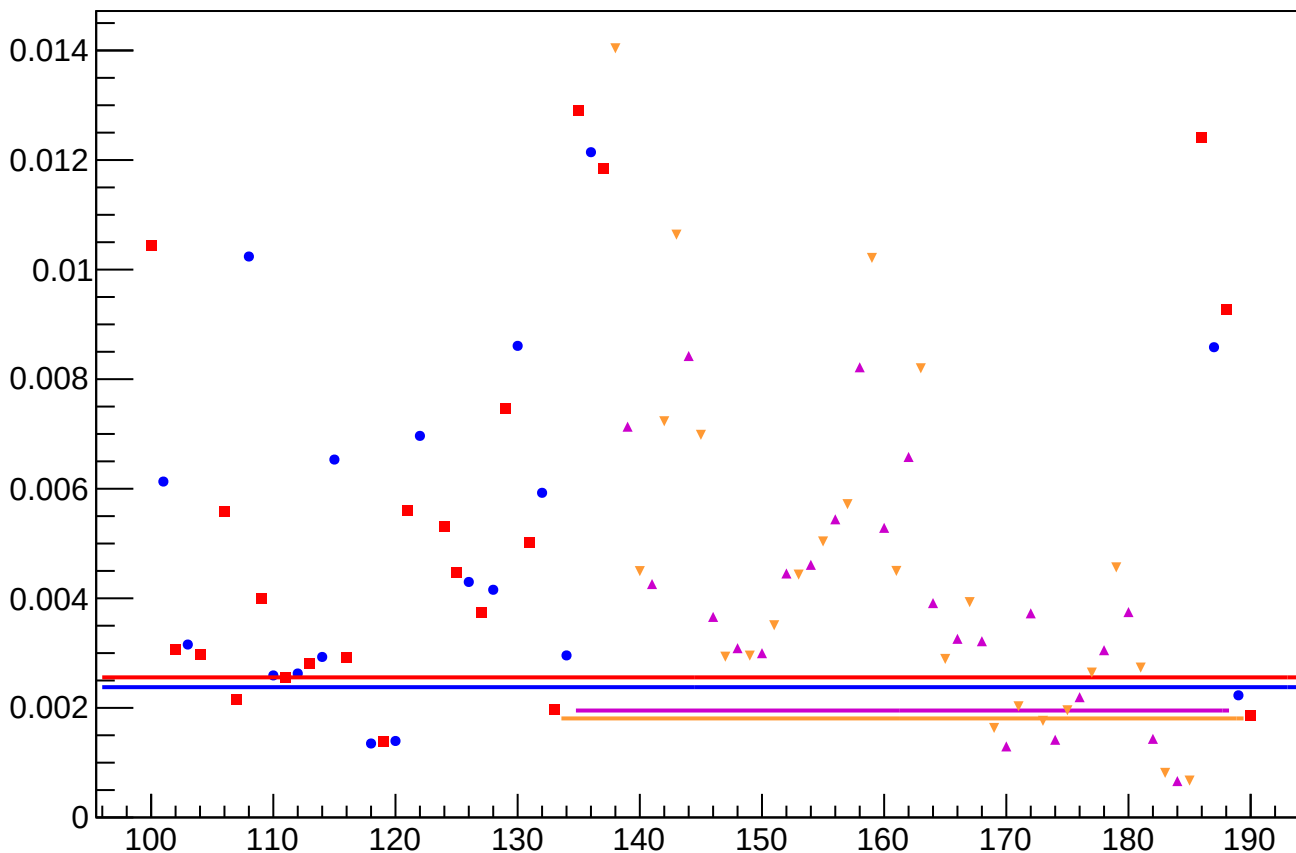
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:13.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.9/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 88.6/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.5/44

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4920920.4/17

Left Out: 0.002+/-0.000 χ^2/NDF : 14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4993756.9/21

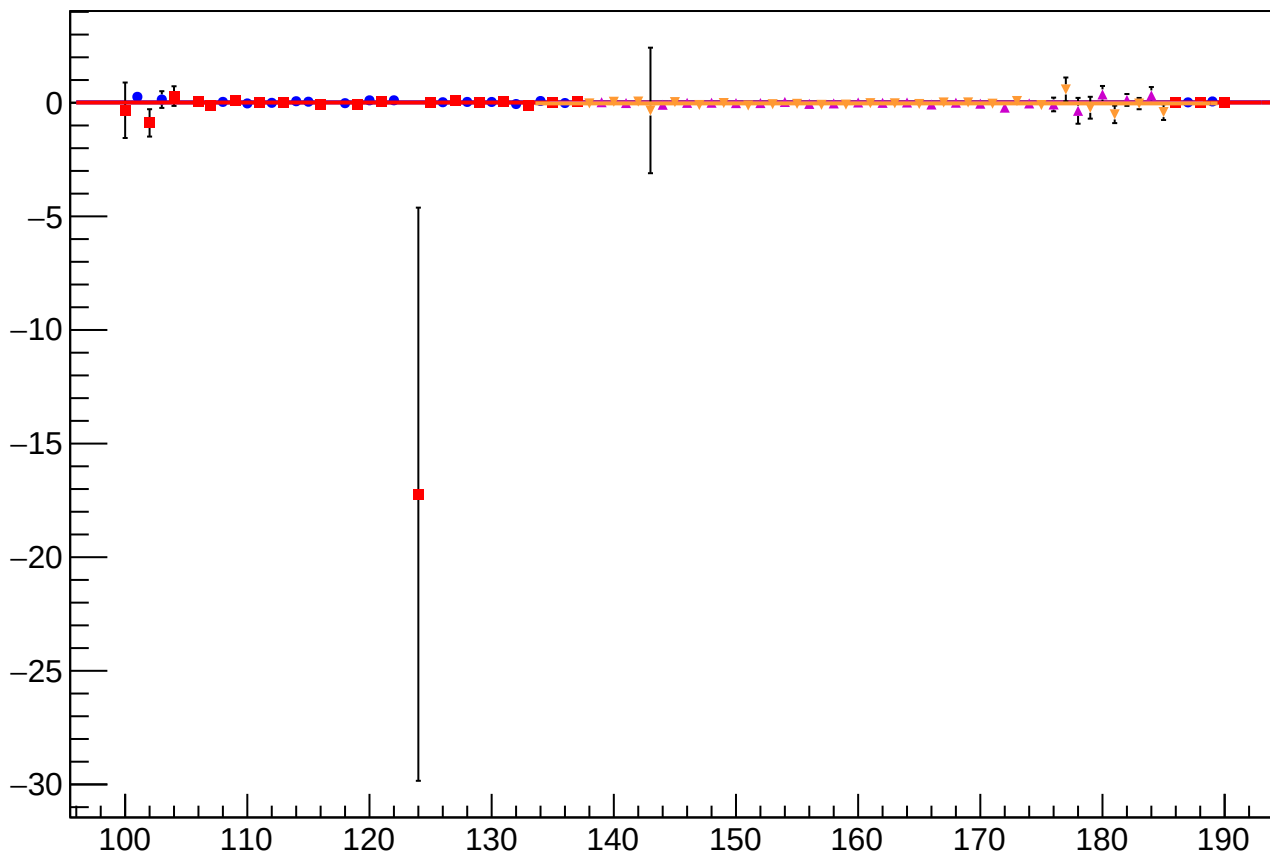
Left In: 0.002+/-0.000 χ^2/NDF : 11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 20312681.4/42

All: 0.002+/-0.000 χ^2/NDF : 37456993.8/87

- sign 0.002+/-0.000 χ^2/NDF : 17012457.0/44

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 ± 0.015 χ^2/NDF : 11.8/17

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.009 ± 0.014 χ^2/NDF : 16.5/21

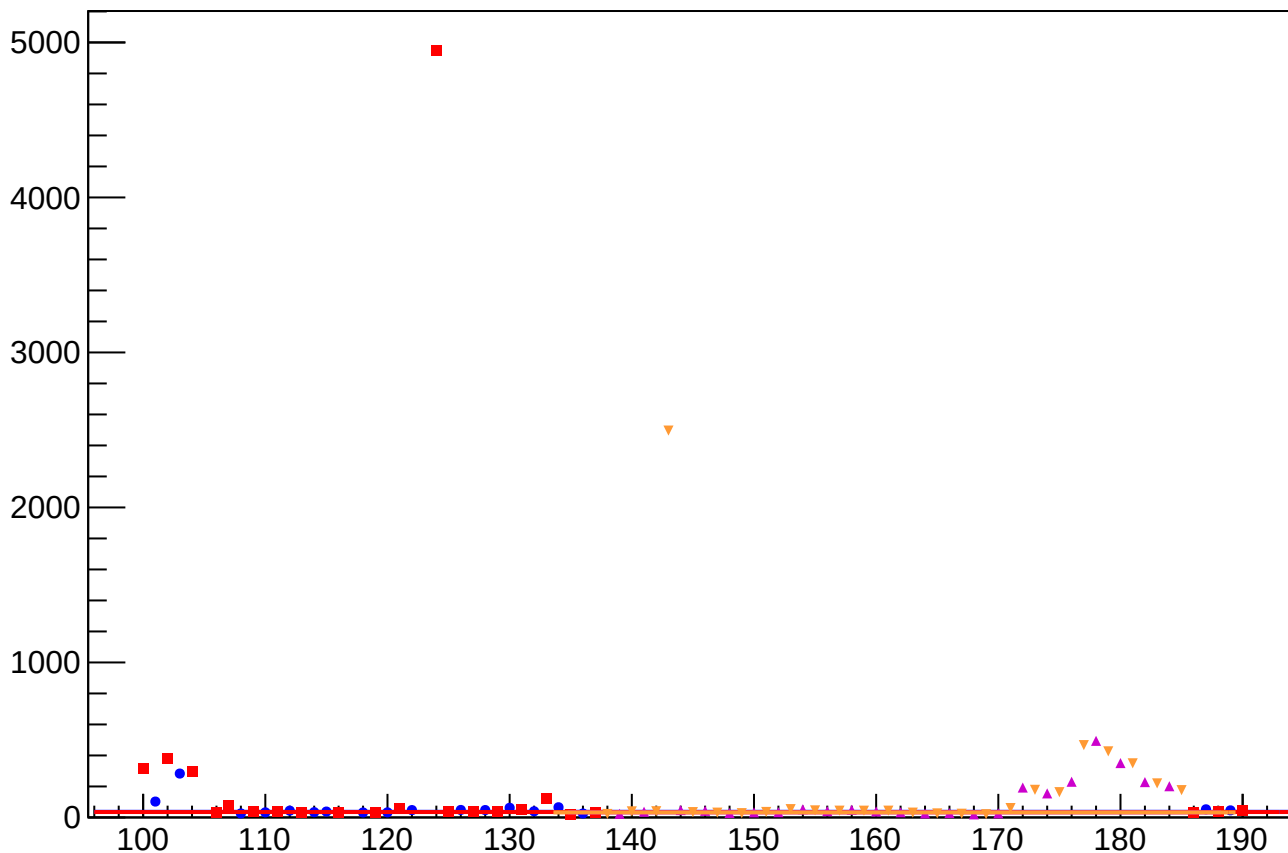
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.008 χ^2/NDF : 46.8/42

All: -0.009 ± 0.006 χ^2/NDF : 78.7/87

- sign -0.004 ± 0.008 χ^2/NDF : 31.1/44

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.441 $\pm$ 0.011 χ^2 /NDF: 2336973.1/17

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10872015.8/24

Right Out: 34.918 $\pm$ 0.010 χ^2 /NDF: 2979946.7/21

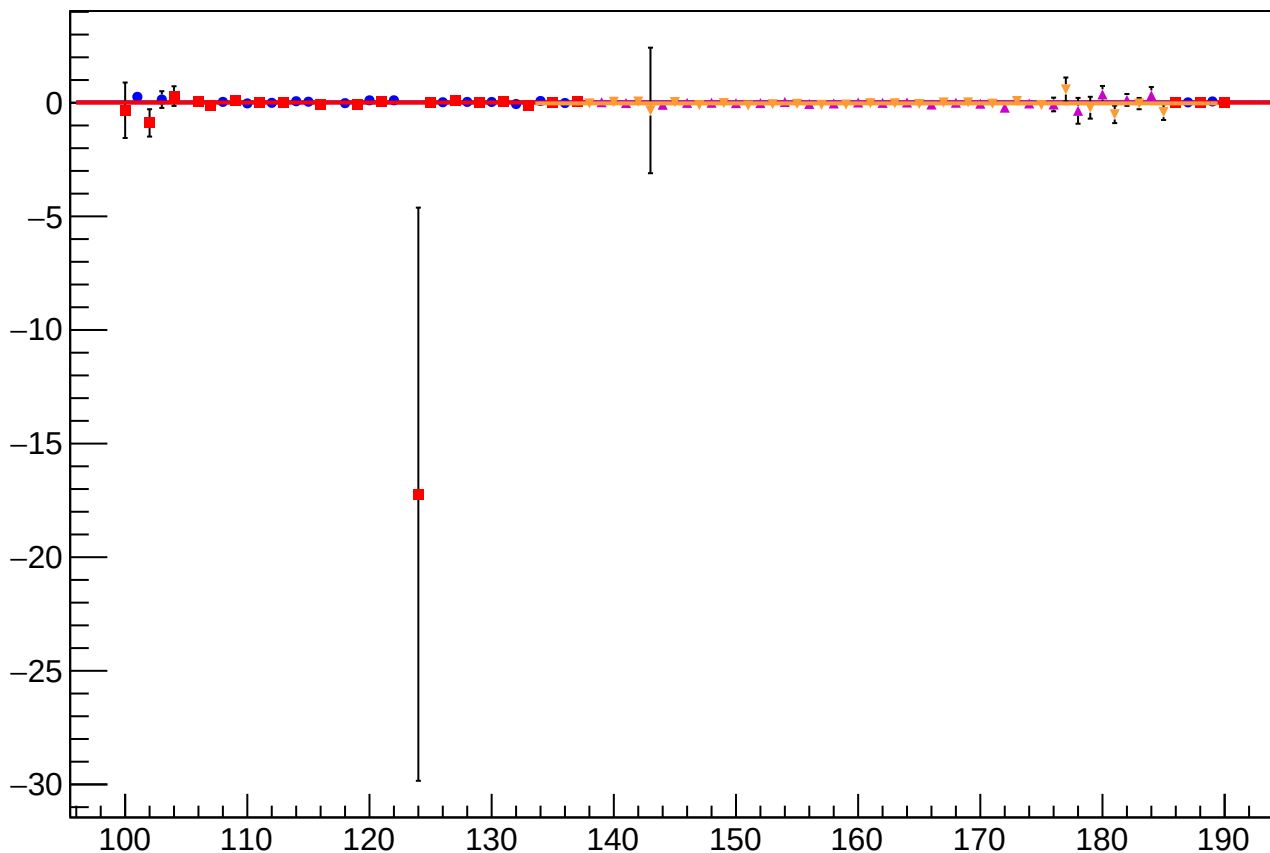
Left In: 32.737 $\pm$ 0.007 χ^2 /NDF: 8963873.9/22

+ sign 33.670 $\pm$ 0.006 χ^2 /NDF: 13305123.2/42

All: 33.548 $\pm$ 0.004 χ^2 /NDF: 25283459.0/87

- sign 33.432 $\pm$ 0.006 χ^2 /NDF: 11977440.2/44

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.015 χ^2/NDF : 11.8/17

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.009 ± 0.014 χ^2/NDF : 16.5/21

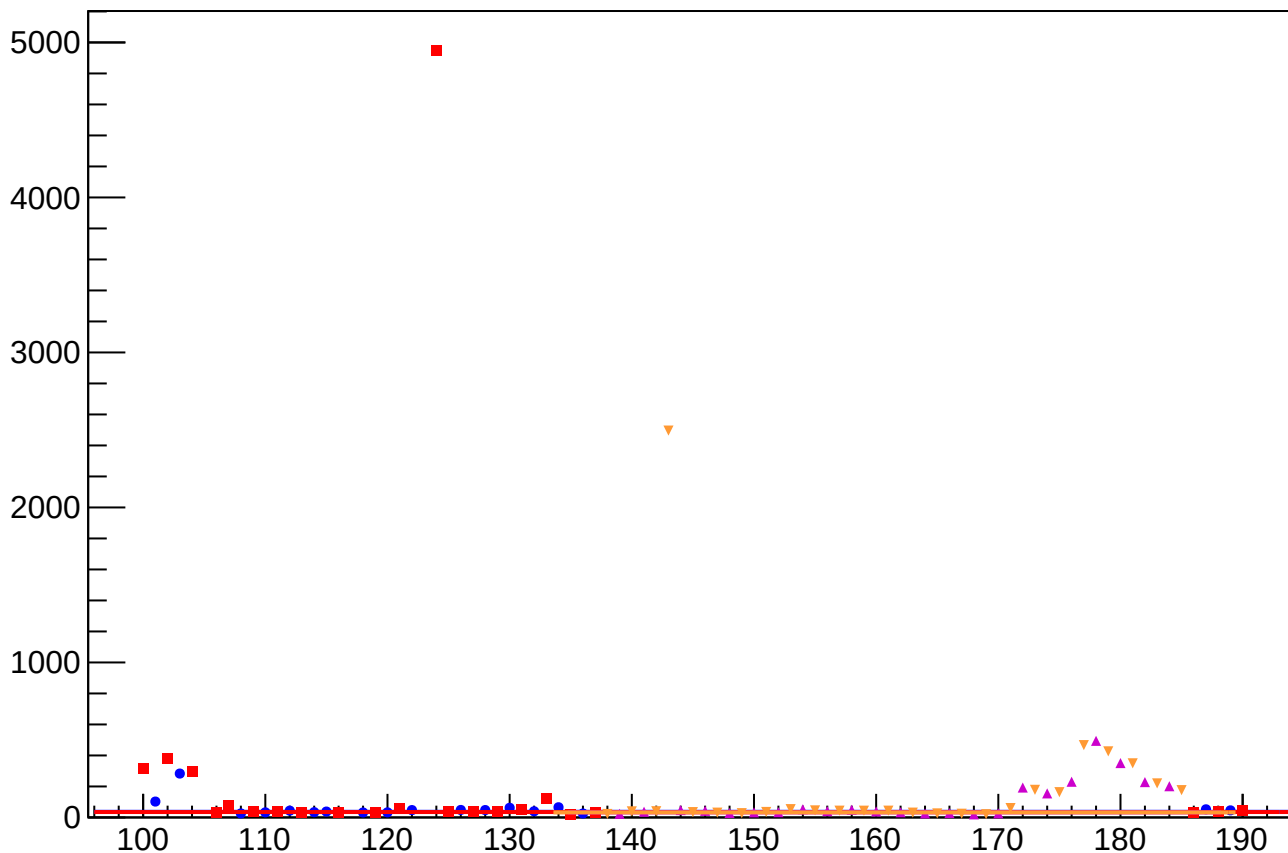
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.008 χ^2/NDF : 46.8/42

All: -0.009 ± 0.006 χ^2/NDF : 78.7/87

- sign -0.004 ± 0.008 χ^2/NDF : 31.1/44

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.441 $\pm$ 0.011 χ^2 /NDF: 2336973.1/17

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10872015.8/24

Right Out: 34.918 $\pm$ 0.010 χ^2 /NDF: 2979946.7/21

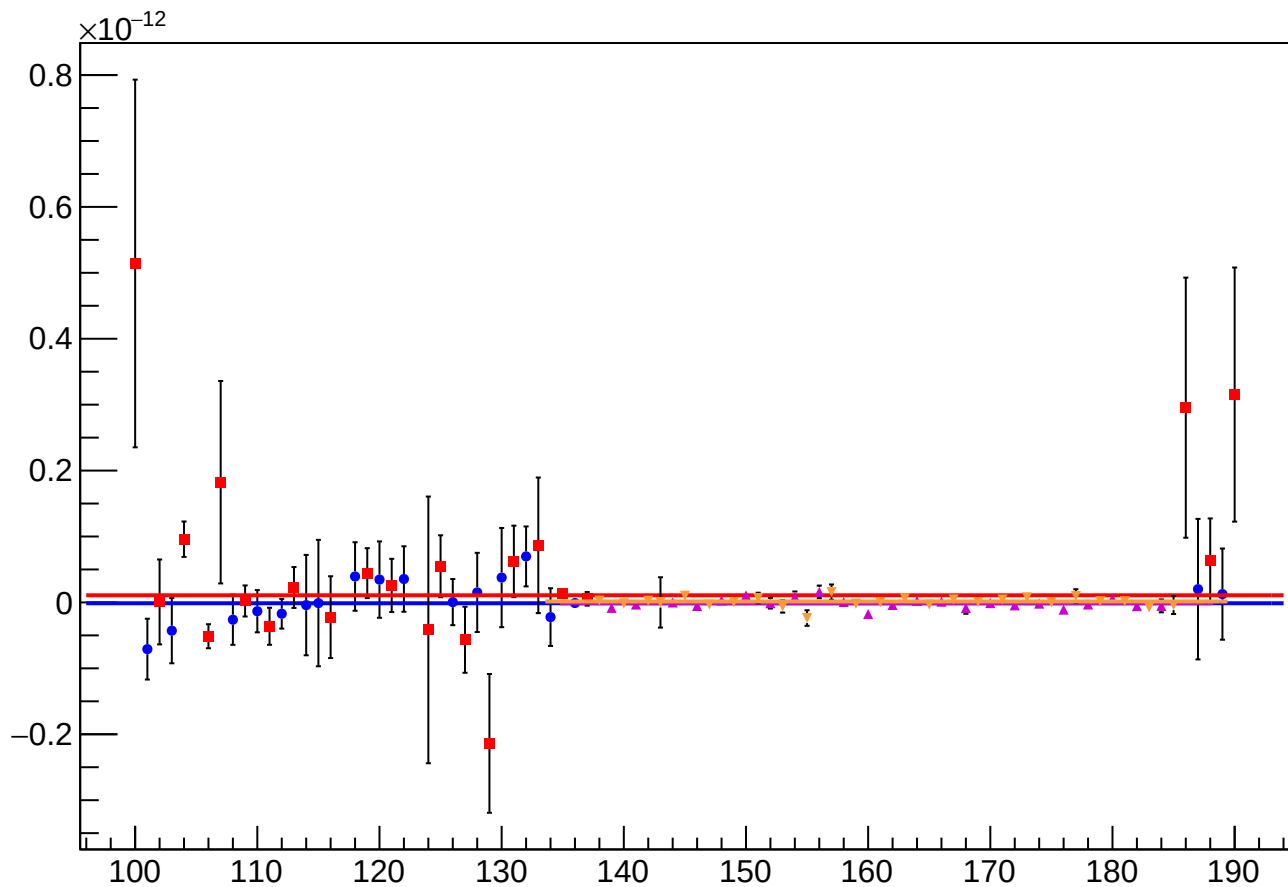
Left In: 32.737 $\pm$ 0.007 χ^2 /NDF: 8963873.9/22

+ sign 33.670 $\pm$ 0.006 χ^2 /NDF: 13305123.2/42

All: 33.548 $\pm$ 0.004 χ^2 /NDF: 25283459.0/87

- sign 33.432 $\pm$ 0.006 χ^2 /NDF: 11977440.2/44

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 8.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 45.1/21

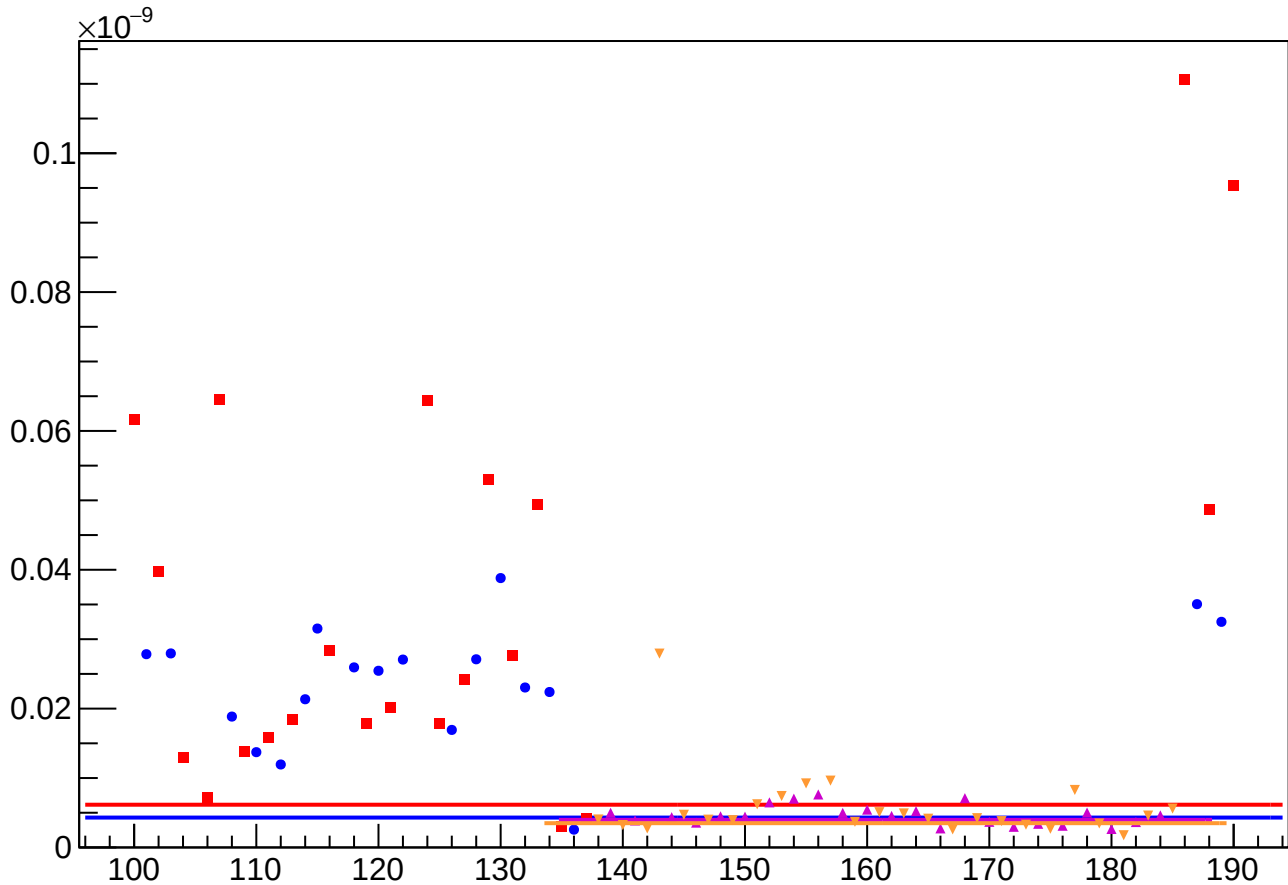
Left In: -0.000 ± 0.000 χ^2/NDF : 28.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 27.4/42

All: 0.000 ± 0.000 χ^2/NDF : 110.0/87

- sign -0.000 ± 0.000 χ^2/NDF : 81.5/44

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5580787.4/17

Left Out: 0.000+/-0.000 χ^2/NDF :4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6723139.6/21

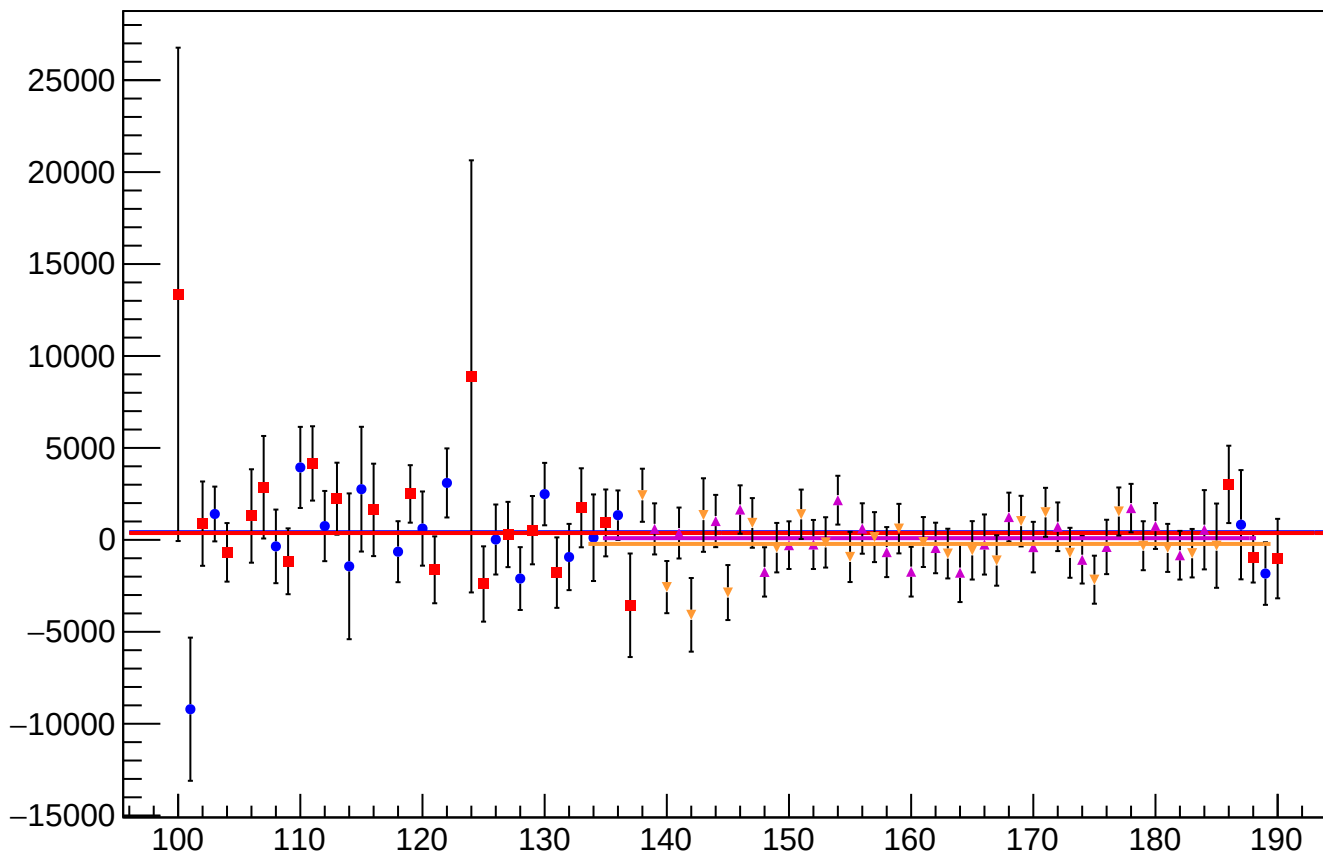
Left In: 0.000+/-0.000 χ^2/NDF :2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 10371038.0/42

All: 0.000+/-0.000 χ^2/NDF : 19959436.3/87

- sign 0.000+/-0.000 χ^2/NDF : 9306718.1/44

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 416.942 $\pm$ 458.583 χ^2 /NDF: 19.0/17

Left Out: -220.721 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 371.714 $\pm$ 433.863 χ^2 /NDF: 19.8/21

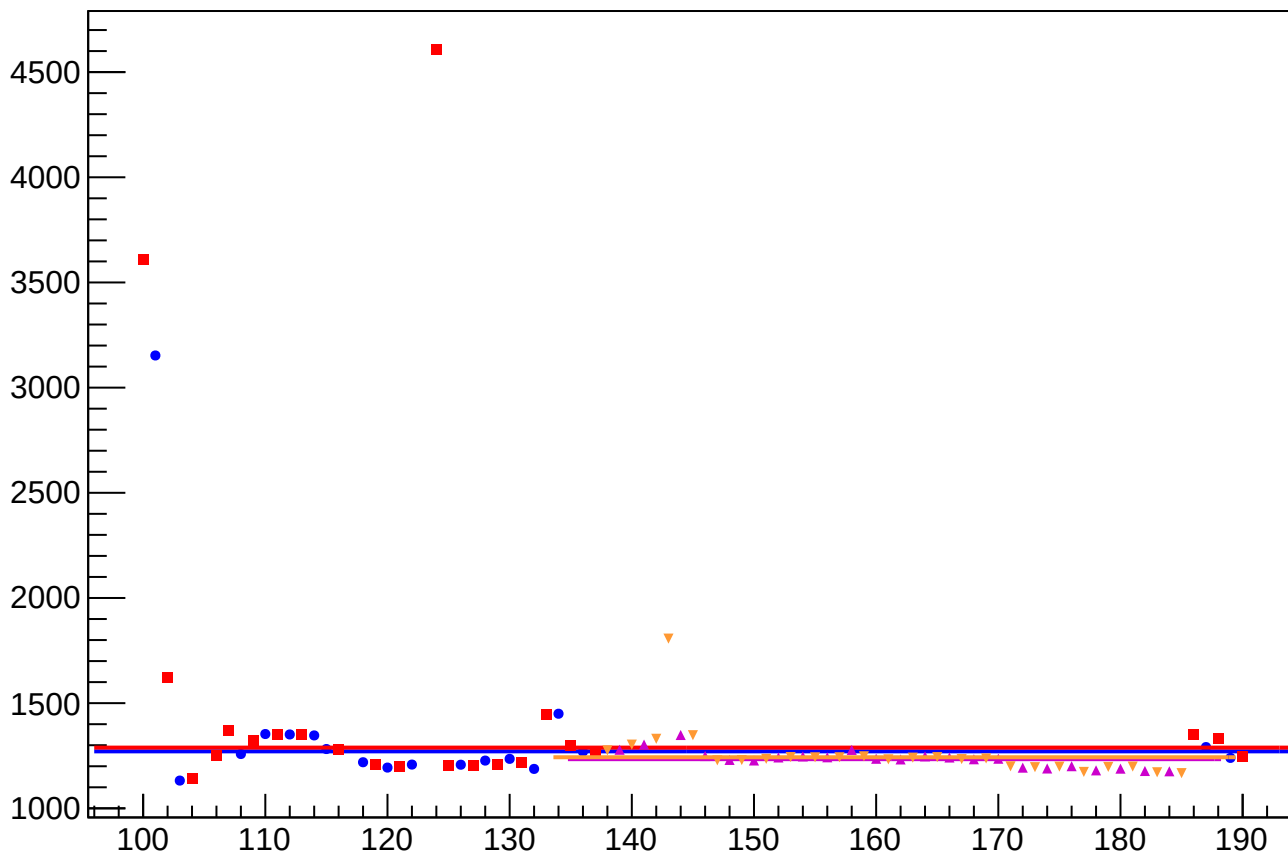
Left In: 92.402 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign -44.804 $\pm$ 240.866 χ^2 /NDF: 44.3/42

All: 66.927 $\pm$ 170.037 χ^2 /NDF: 79.5/87

- sign 177.922 $\pm$ 240.073 χ^2 /NDF: 34.8/44

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.843+/-0.324 χ^2/NDF : 520091.4/17

Left Out: 1242.825+/-0.200 χ^2/NDF : 203299.1/24

Right Out: 1288.659+/-0.307 χ^2/NDF : 326979.6/21

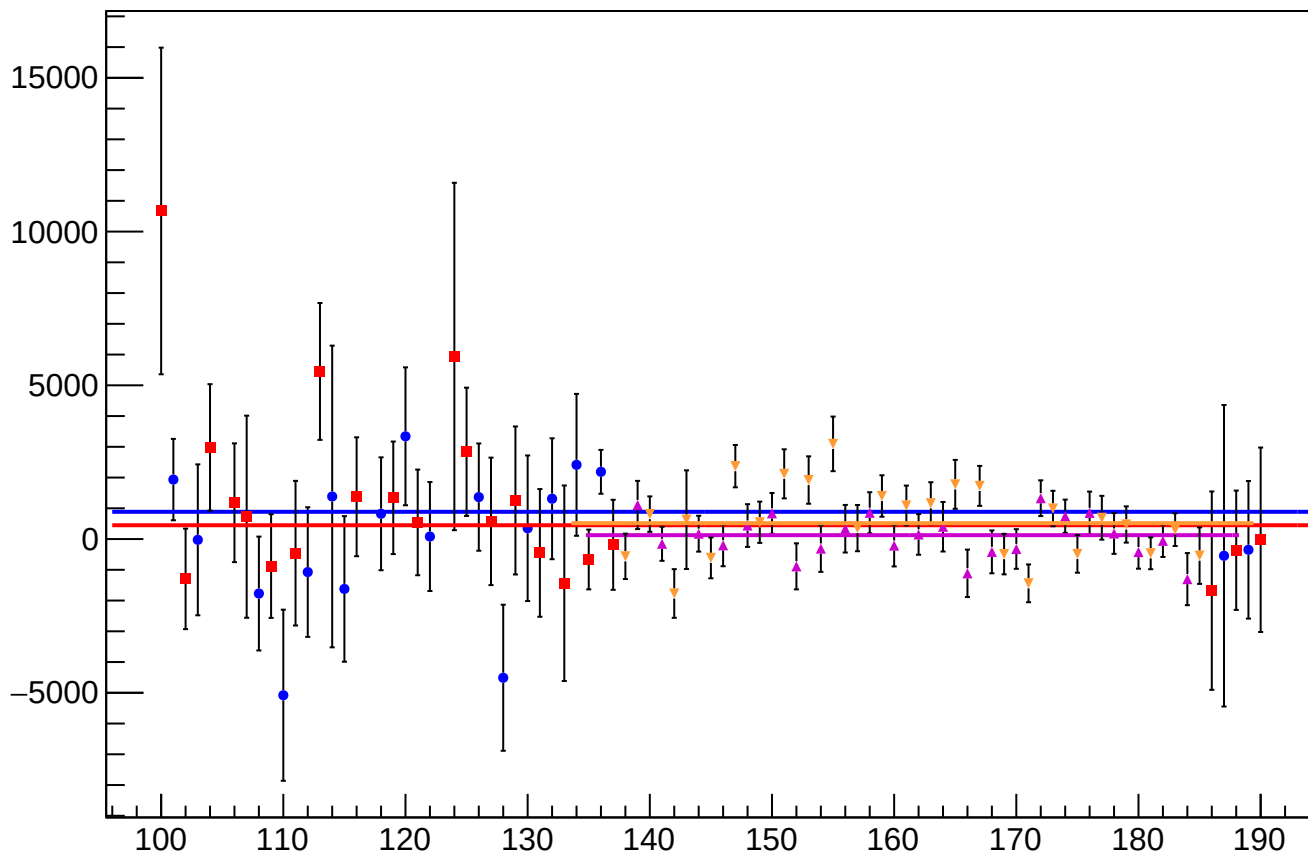
Left In: 1233.752+/-0.204 χ^2/NDF : 39281.8/22

+ sign 1250.554+/-0.170 χ^2/NDF : 728796.8/42

All: 1250.559+/-0.120 χ^2/NDF : 1117282.2/87

- sign 1250.564+/-0.170 χ^2/NDF : 388485.4/44

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug



Right In: 886.254 $\pm$ 416.818 χ^2 /NDF: 20.3/17

Left Out: 516.792 $\pm$ 135.746 χ^2 /NDF: 67.0/24

Right Out: 449.117 $\pm$ 421.063 χ^2 /NDF: 17.8/21

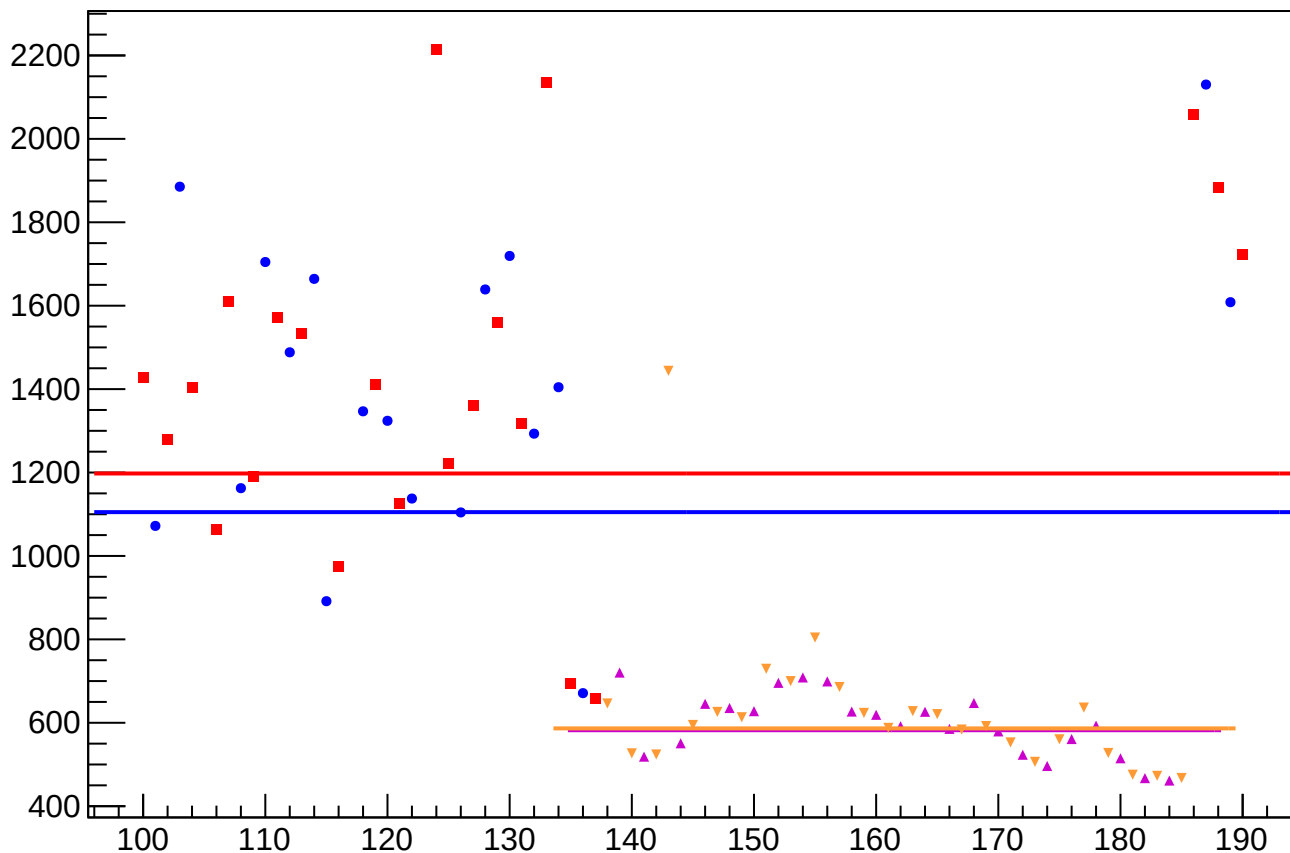
Left In: 126.569 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 552.220 $\pm$ 129.074 χ^2 /NDF: 88.0/42

All: 357.066 $\pm$ 91.771 χ^2 /NDF: 132.6/87

- sign 157.555 $\pm$ 130.506 χ^2 /NDF: 39.9/44

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1105.073+/-0.295 χ^2/NDF : 1678242.2/17

Left Out: 586.557+/-0.096 χ^2/NDF :1202915.7/24

Right Out: 1197.721+/-0.298 χ^2/NDF : 1787206.1/21

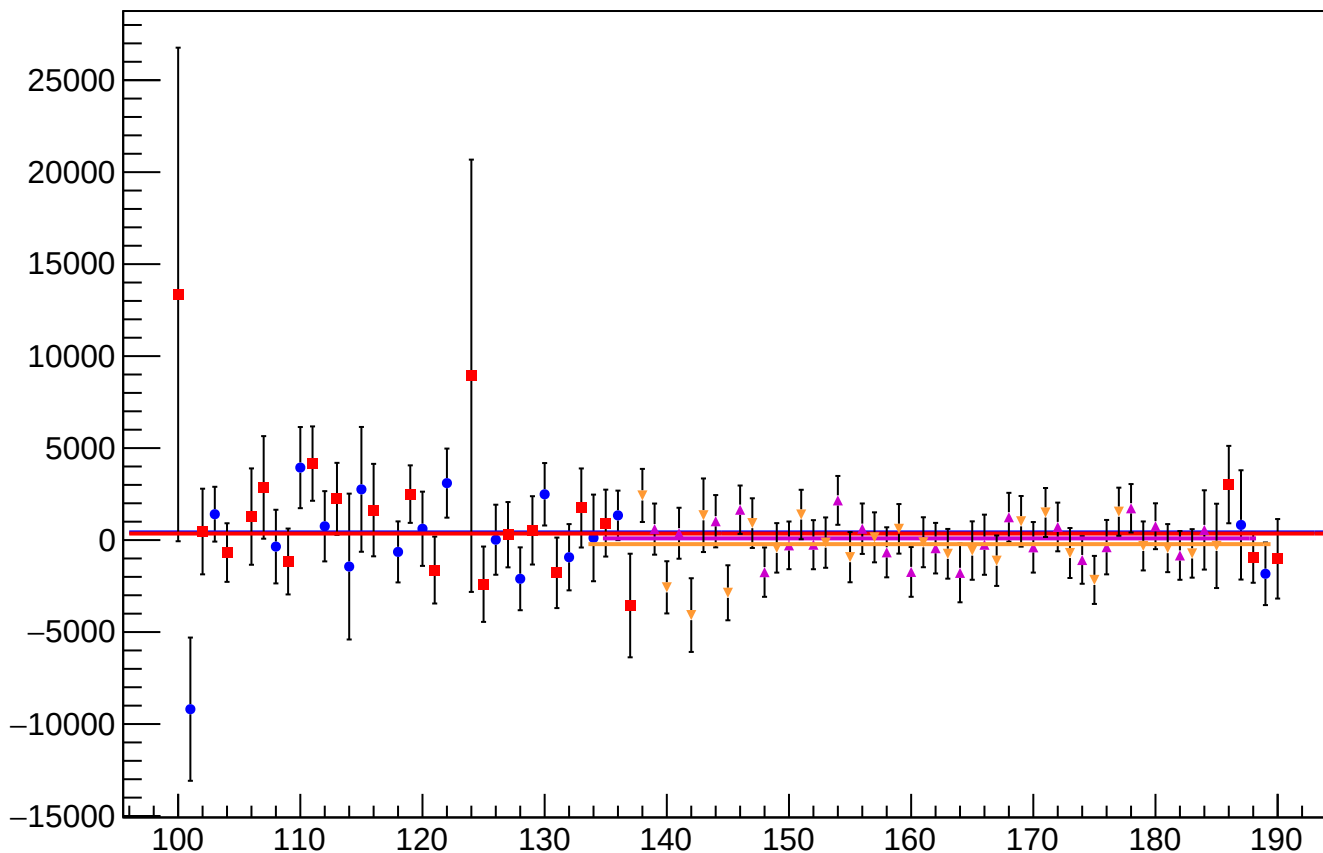
Left In: 582.190+/-0.097 χ^2/NDF :559261.3/22

+ sign 636.279+/-0.091 χ^2/NDF : 5679367.4/42

All: 638.773+/-0.065 χ^2/NDF : 11890772.5/87

- sign 641.322+/-0.092 χ^2/NDF : 6209895.1/44

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 417.223 $\pm$ 458.583 χ^2 /NDF: 18.9/17

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 354.641 $\pm$ 434.465 χ^2 /NDF: 19.8/21

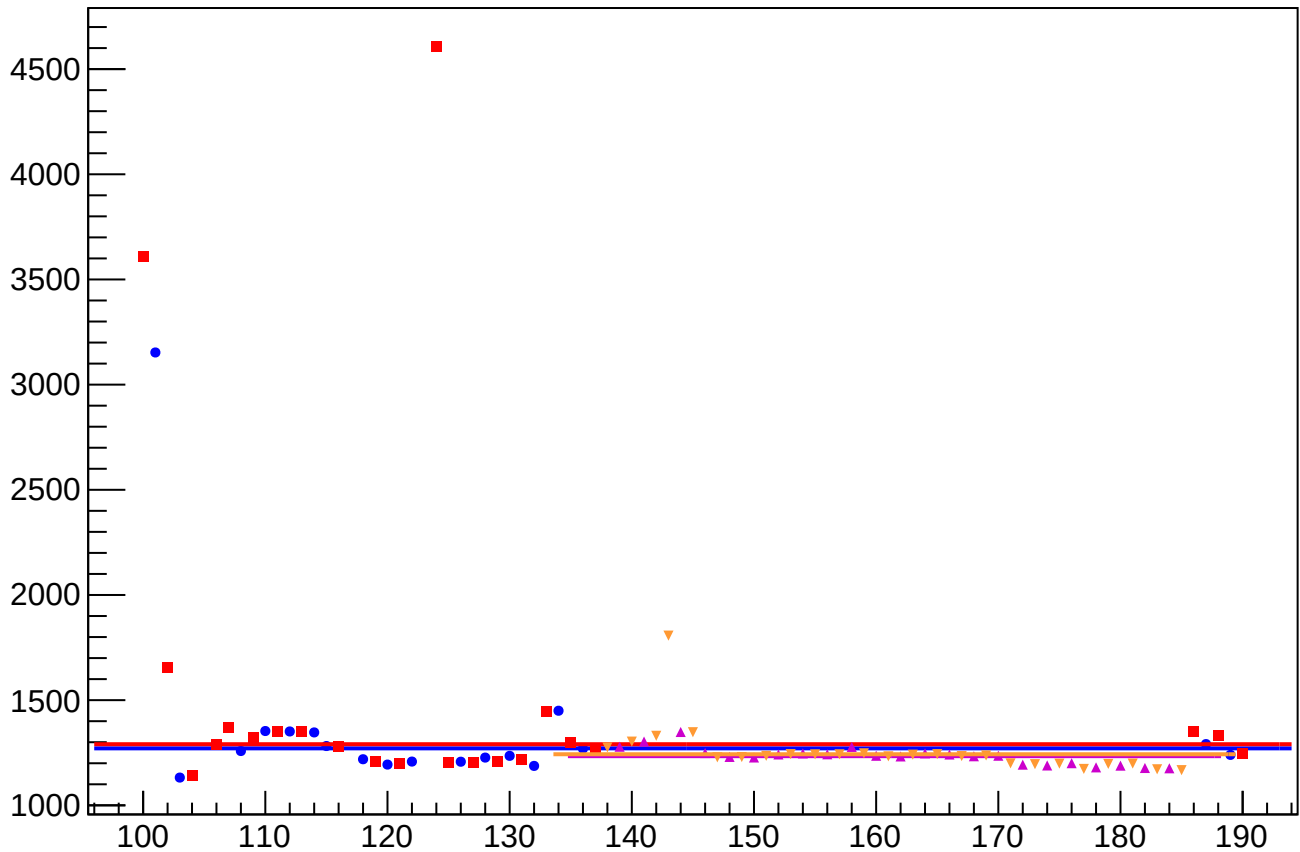
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign -44.752 $\pm$ 240.866 χ^2 /NDF: 44.3/42

All: 64.231 $\pm$ 170.073 χ^2 /NDF: 79.4/87

- sign 172.589 $\pm$ 240.174 χ^2 /NDF: 34.7/44

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.843+/-0.324 χ^2/NDF : 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF : 203299.1/24

Right Out: 1290.542+/-0.307 χ^2/NDF : 333393.7/21

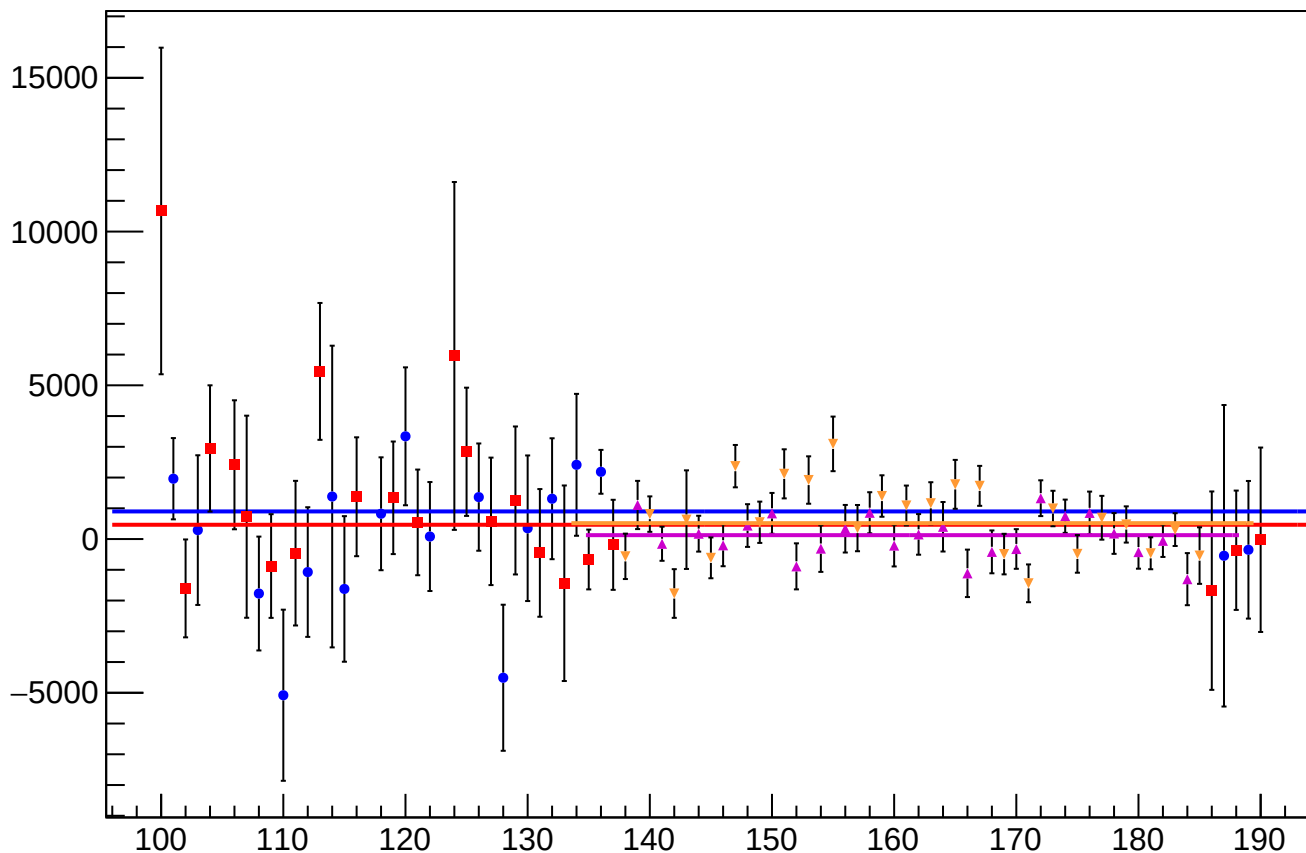
Left In: 1233.752+/-0.204 χ^2/NDF : 39281.7/22

+ sign 1250.554+/-0.170 χ^2/NDF : 728798.1/42

All: 1250.831+/-0.120 χ^2/NDF : 1125207.3/87

- sign 1251.107+/-0.170 χ^2/NDF : 396404.0/44

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 898.158 $\pm$ 416.653 χ^2 /NDF: 20.3/17

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 464.643 $\pm$ 421.810 χ^2 /NDF: 19.1/21

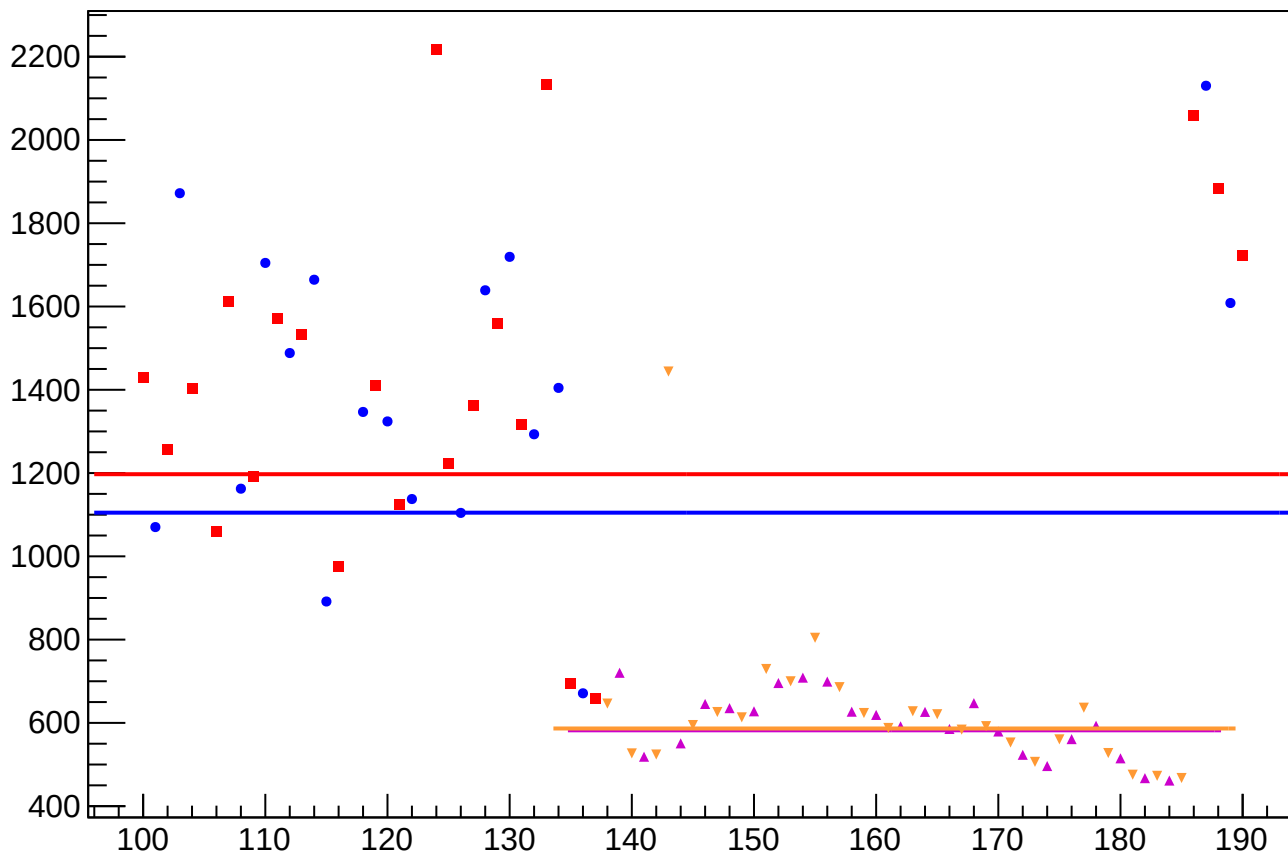
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 553.406 $\pm$ 129.069 χ^2 /NDF: 88.1/42

All: 358.382 $\pm$ 91.777 χ^2 /NDF: 133.9/87

- sign 158.924 $\pm$ 130.528 χ^2 /NDF: 41.2/44

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1104.872 +/- 0.295 χ^2/NDF : 1674845.3/17

Left Out: 586.562 +/- 0.096 χ^2/NDF : 1202822.0/24

Right Out: 1197.272 +/- 0.298 χ^2/NDF : 1783810.7/21

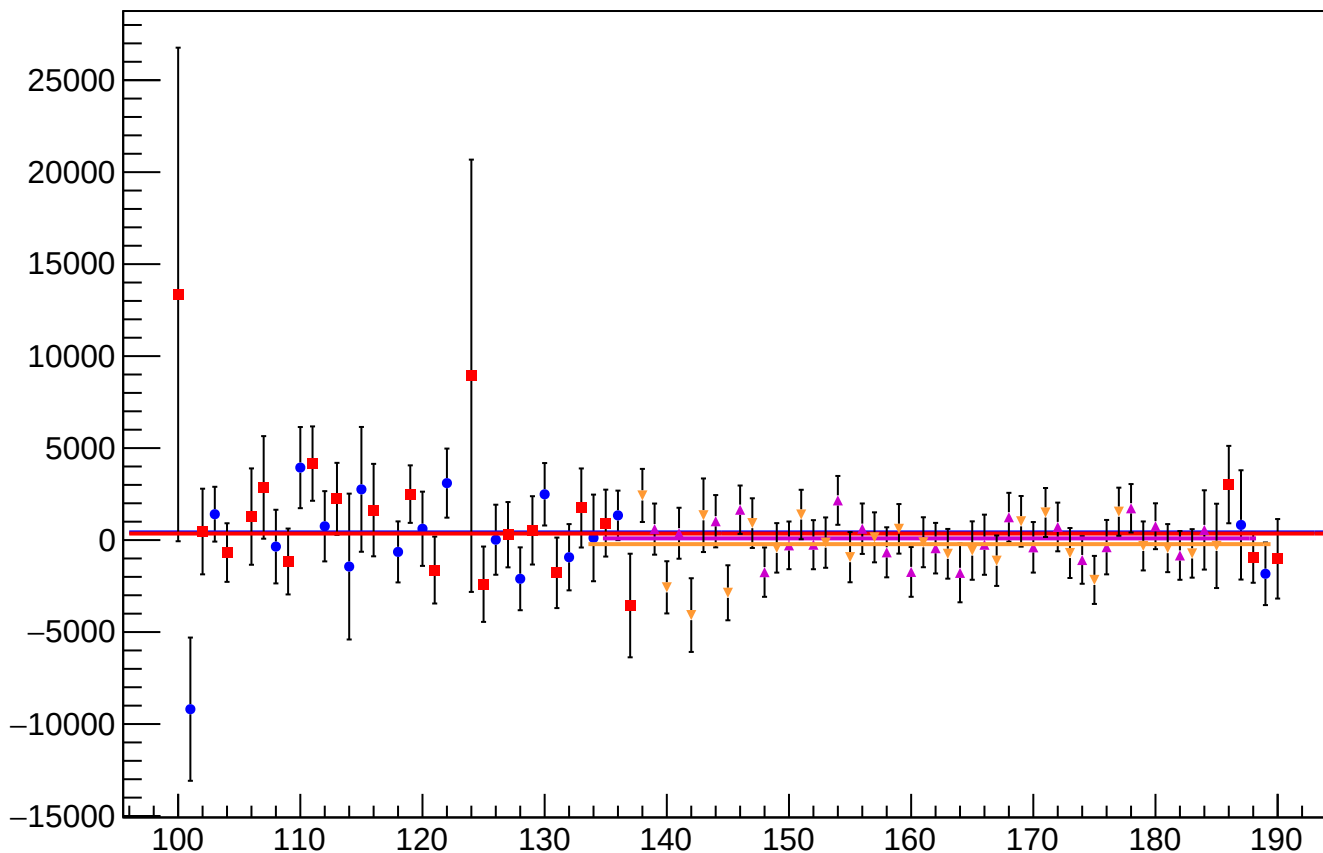
Left In: 582.189 +/- 0.097 χ^2/NDF : 559258.0/22

+ sign 636.300 +/- 0.091 χ^2/NDF : 5675667.6/42

All: 638.667 +/- 0.065 χ^2/NDF : 11865558.0/87

- sign 641.088 +/- 0.092 χ^2/NDF : 6188529.9/44

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 417.223 $\pm$ 458.583 χ^2 /NDF: 18.9/17

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 354.641 $\pm$ 434.465 χ^2 /NDF: 19.8/21

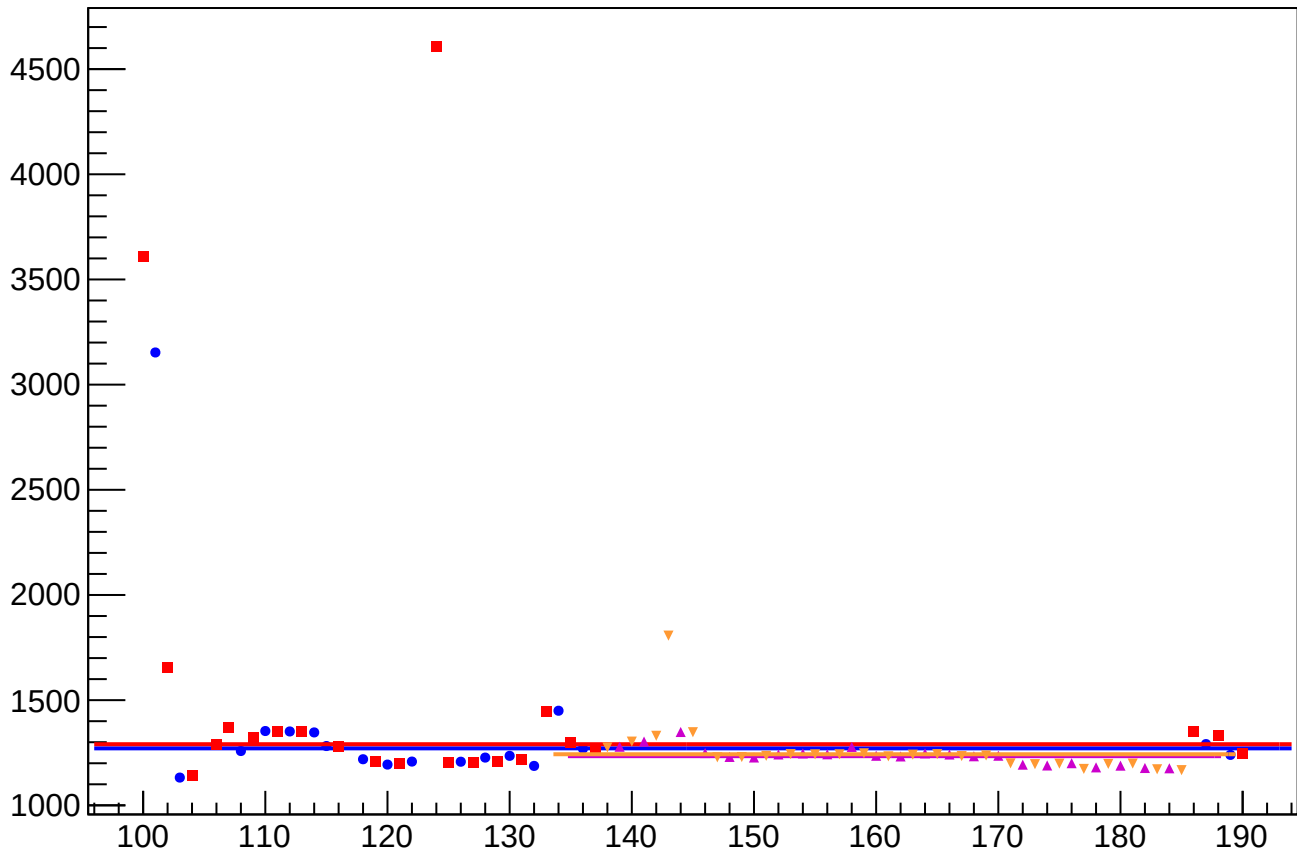
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign -44.752 $\pm$ 240.866 χ^2 /NDF: 44.3/42

All: 64.231 $\pm$ 170.073 χ^2 /NDF: 79.4/87

- sign 172.589 $\pm$ 240.174 χ^2 /NDF: 34.7/44

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.843 $\pm$ 0.324 χ^2 /NDF: 520092.8/17

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1290.542 $\pm$ 0.307 χ^2 /NDF: 333393.7/21

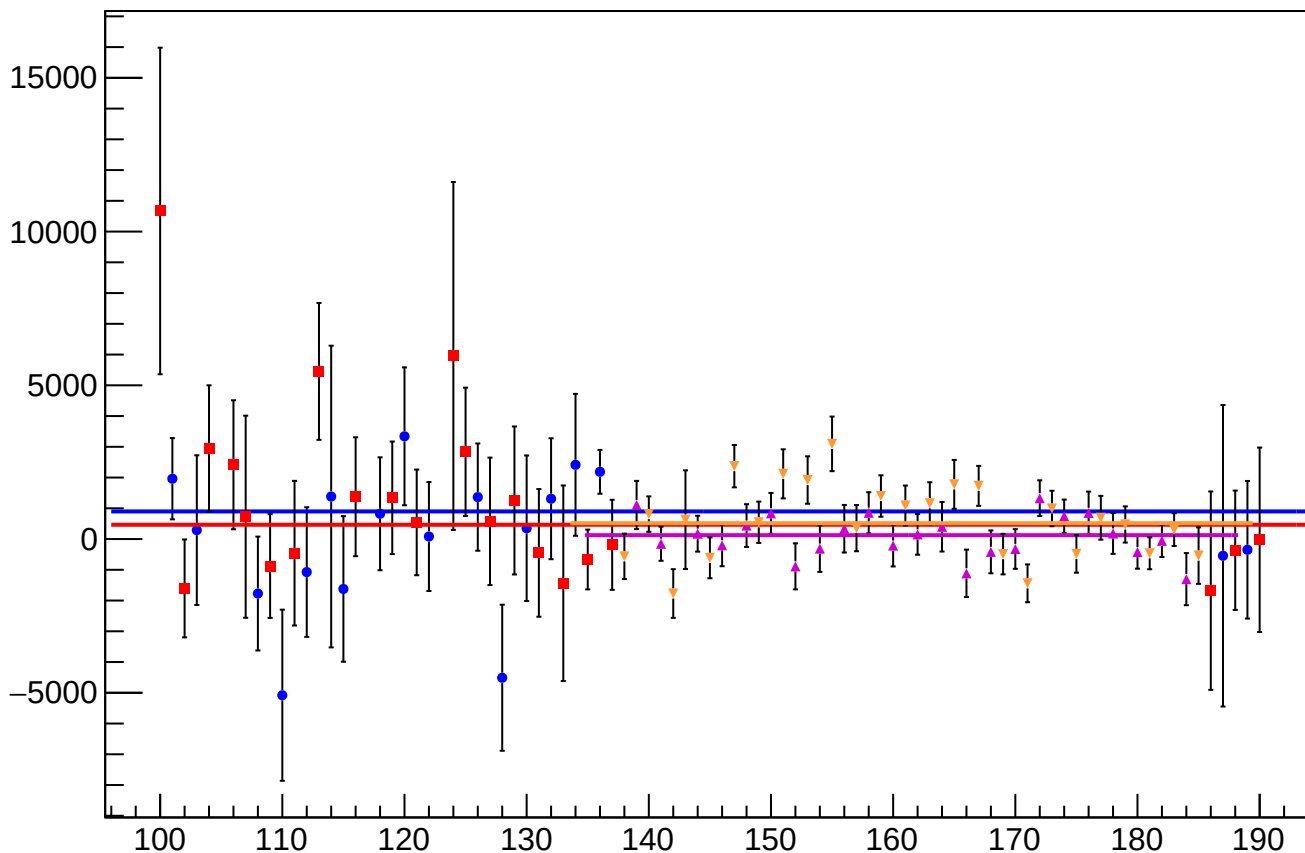
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1250.554 $\pm$ 0.170 χ^2 /NDF: 728798.1/42

All: 1250.831 $\pm$ 0.120 χ^2 /NDF: 1125207.3/87

- sign 1251.107 $\pm$ 0.170 χ^2 /NDF: 396404.0/44

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 898.158 ± 416.653 χ^2/NDF : 20.3/17

Left Out: 516.811 ± 135.747 χ^2/NDF : 67.0/24

Right Out: 464.643 ± 421.810 χ^2/NDF : 19.1/21

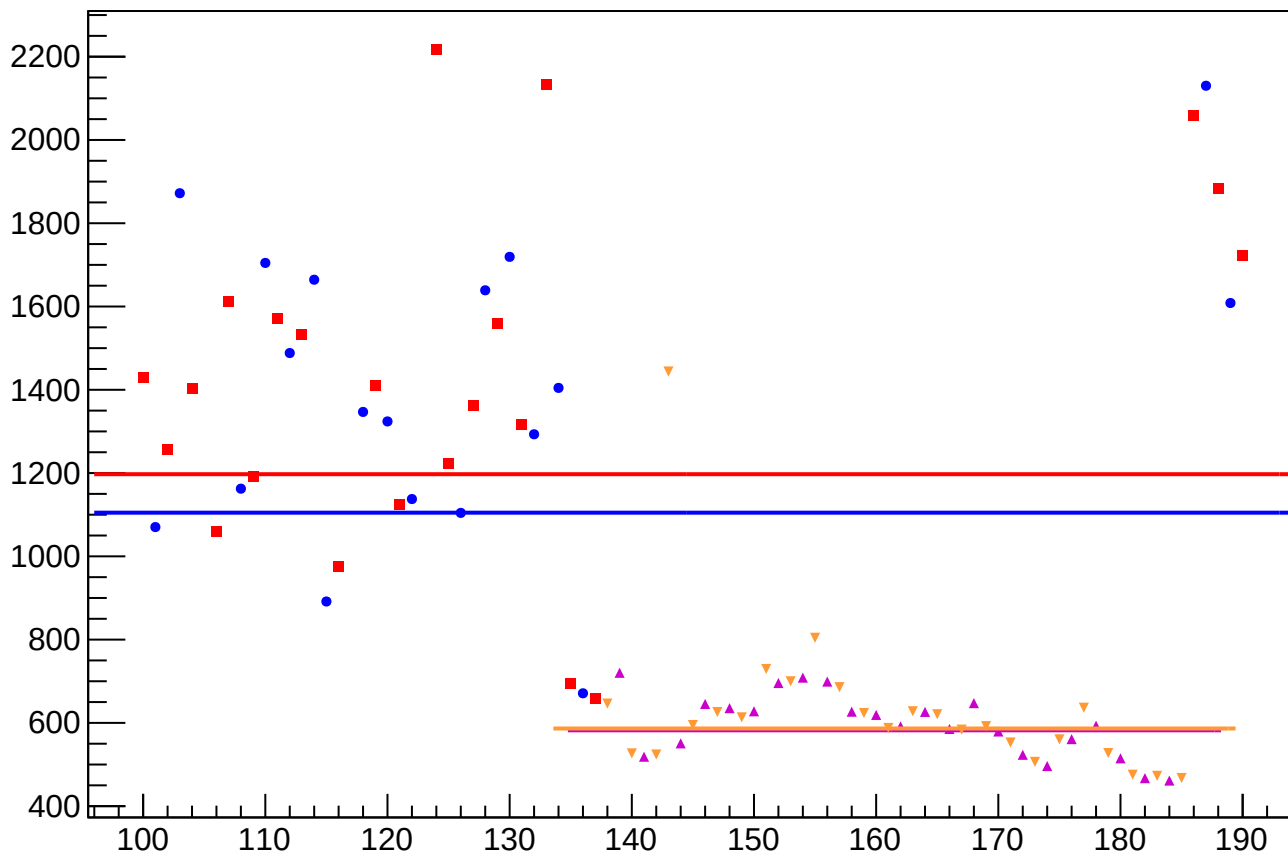
Left In: 126.549 ± 137.266 χ^2/NDF : 21.6/22

+ sign 553.406 ± 129.069 χ^2/NDF : 88.1/42

All: 358.382 ± 91.777 χ^2/NDF : 133.9/87

- sign 158.924 ± 130.528 χ^2/NDF : 41.2/44

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1104.872 $\pm$ 0.295 χ^2 /NDF: 1674845.3/17

Left Out: 586.562 $\pm$ 0.096 χ^2 /NDF:1202822.0/24

Right Out: 1197.272 $\pm$ 0.298 χ^2 /NDF: 1783810.7/21

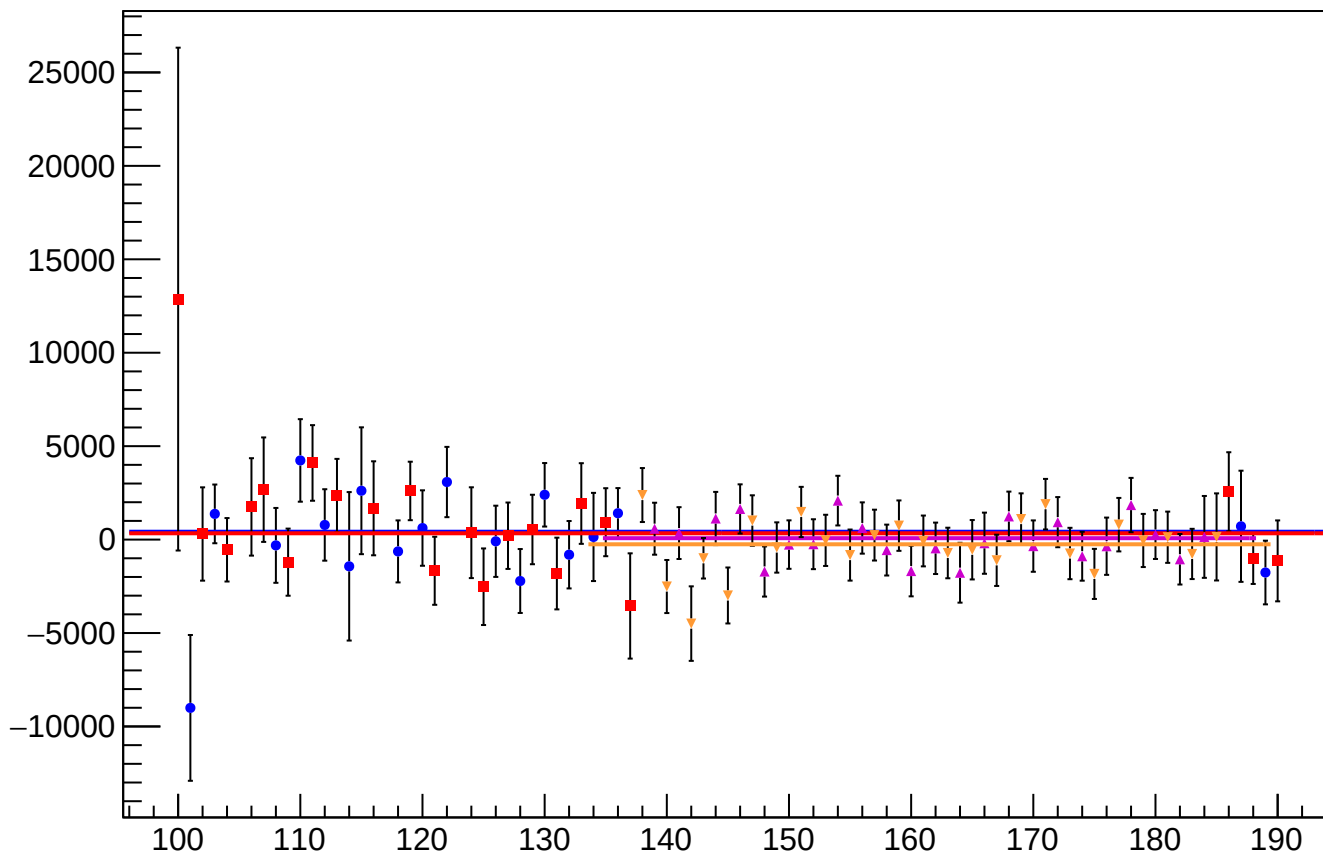
Left In: 582.189 $\pm$ 0.097 χ^2 /NDF:559258.0/22

+ sign 636.300 $\pm$ 0.091 χ^2 /NDF: 5675667.6/42

All: 638.667 $\pm$ 0.065 χ^2 /NDF: 11865558.0/87

- sign 641.088 $\pm$ 0.092 χ^2 /NDF: 6188529.9/44

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 420.894+/-461.252 χ^2/NDF : 18.9/17

Left Out: -250.849+/-279.923 χ^2/NDF : 24.0/24

Right Out: 337.560+/-431.298 χ^2/NDF : 19.3/21

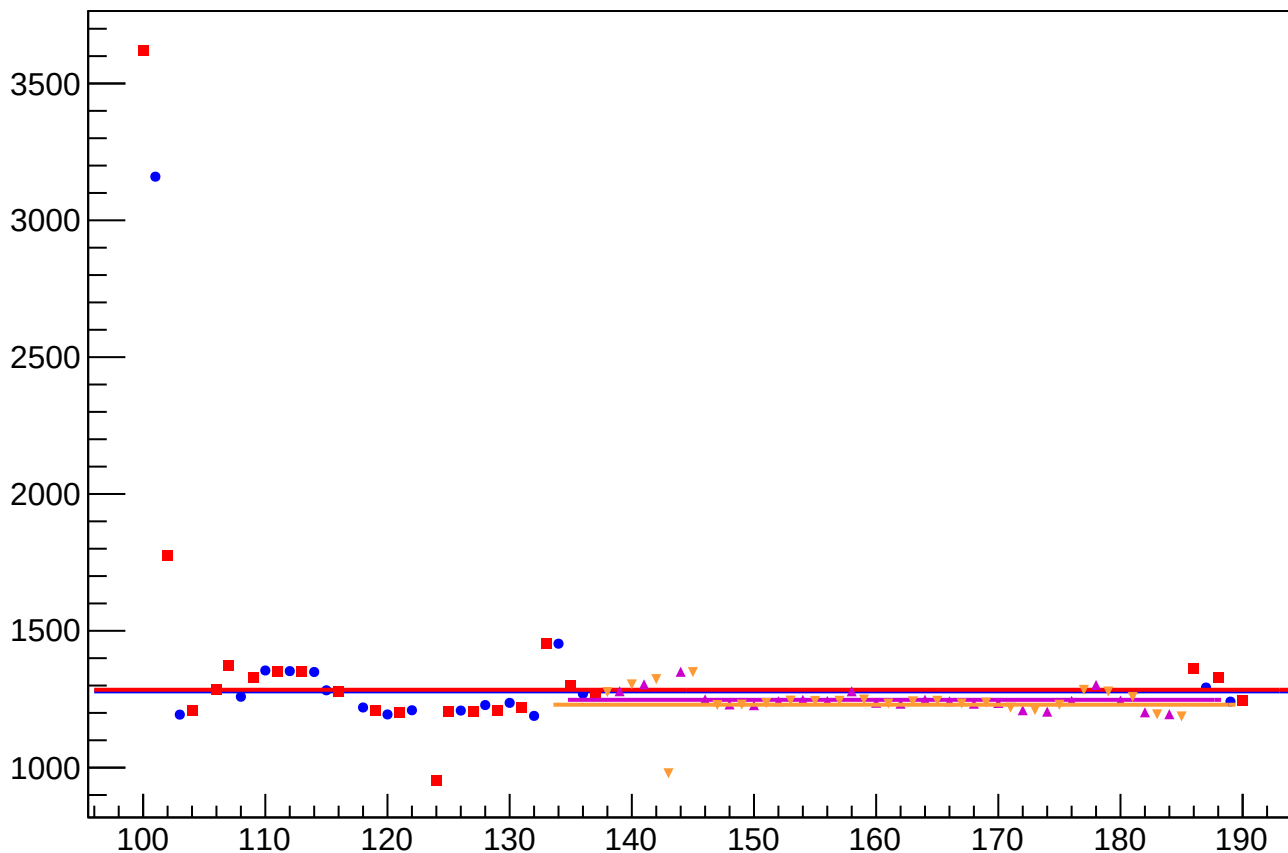
Left In: 74.881+/-291.458 χ^2/NDF : 14.0/22

+ sign -70.039+/-239.303 χ^2/NDF : 44.5/42

All: 42.563+/-169.980 χ^2/NDF : 78.5/87

- sign 157.231+/-241.488 χ^2/NDF : 33.6/44

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1278.697 $\pm$ 0.326 χ^2 /NDF: 508149.9/17

Left Out: 1229.986 $\pm$ 0.198 χ^2 /NDF: 141607.5/24

Right Out: 1284.594 $\pm$ 0.305 χ^2 /NDF: 226623.5/21

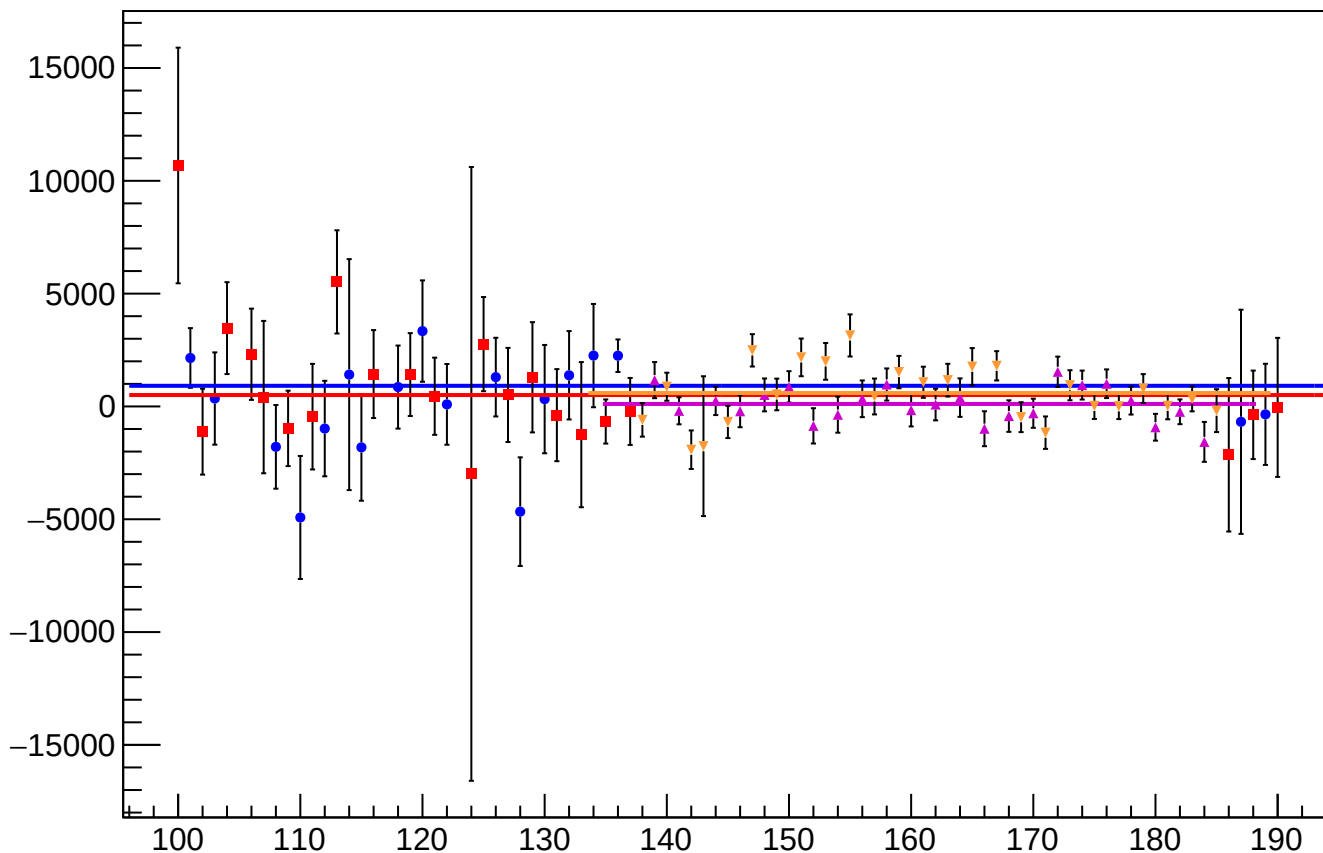
Left In: 1247.785 $\pm$ 0.206 χ^2 /NDF: 27340.8/22

+ sign 1243.098 $\pm$ 0.169 χ^2 /NDF: 666058.9/42

All: 1251.137 $\pm$ 0.120 χ^2 /NDF: 934579.8/87

- sign 1259.325 $\pm$ 0.171 χ^2 /NDF: 263964.5/44

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



Right In: 915.040 $\pm$ 416.297 χ^2 /NDF: 20.9/17

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 505.241 $\pm$ 428.736 χ^2 /NDF: 18.0/21

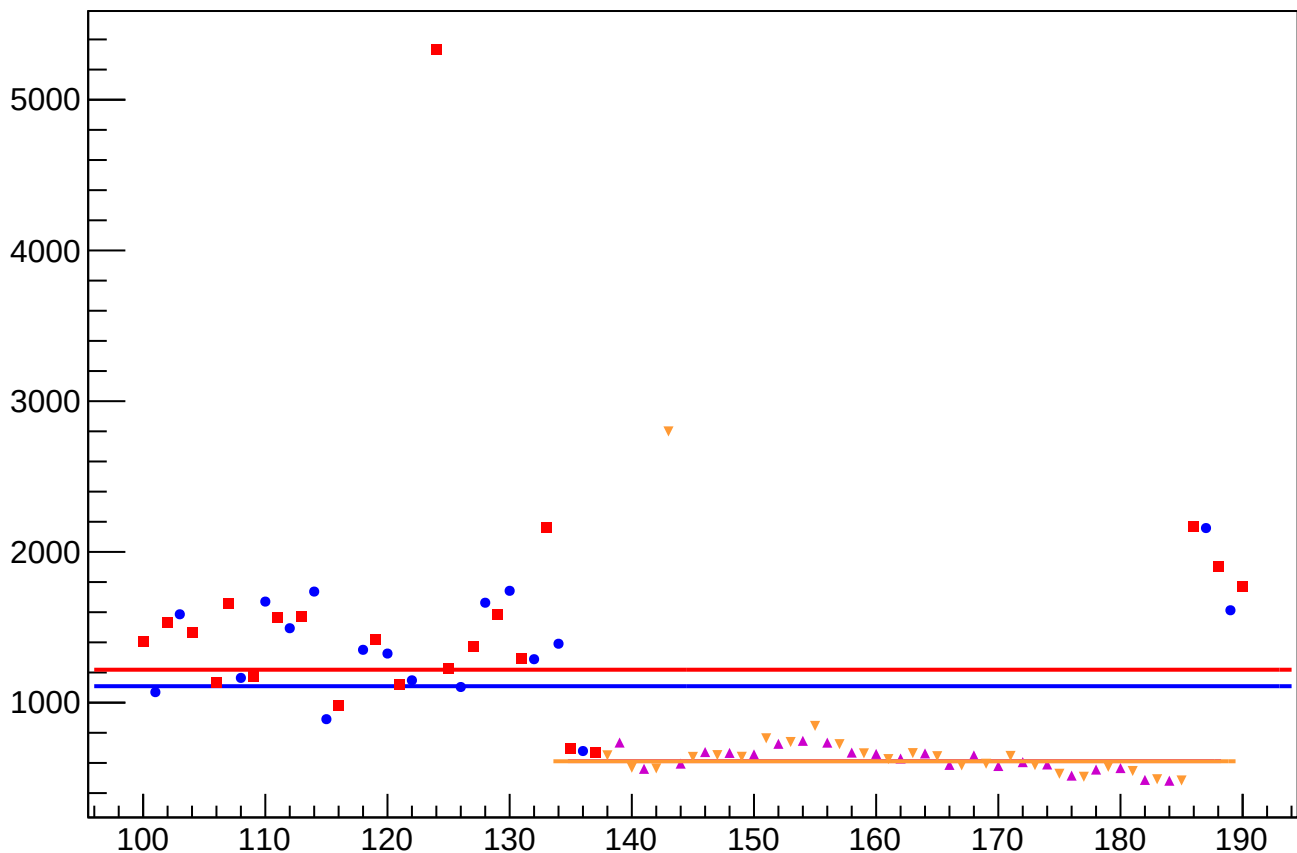
Left In: 110.252 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 628.411 $\pm$ 134.507 χ^2 /NDF: 78.7/42

All: 393.282 $\pm$ 95.878 χ^2 /NDF: 129.5/87

- sign 150.409 $\pm$ 136.704 χ^2 /NDF: 44.5/44

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1109.155+/-0.294 χ^2/NDF : 1557785.6/17

Left Out: 611.087+/-0.101 χ^2/NDF :1619322.3/24

Right Out: 1218.459+/-0.303 χ^2/NDF : 1991993.9/21

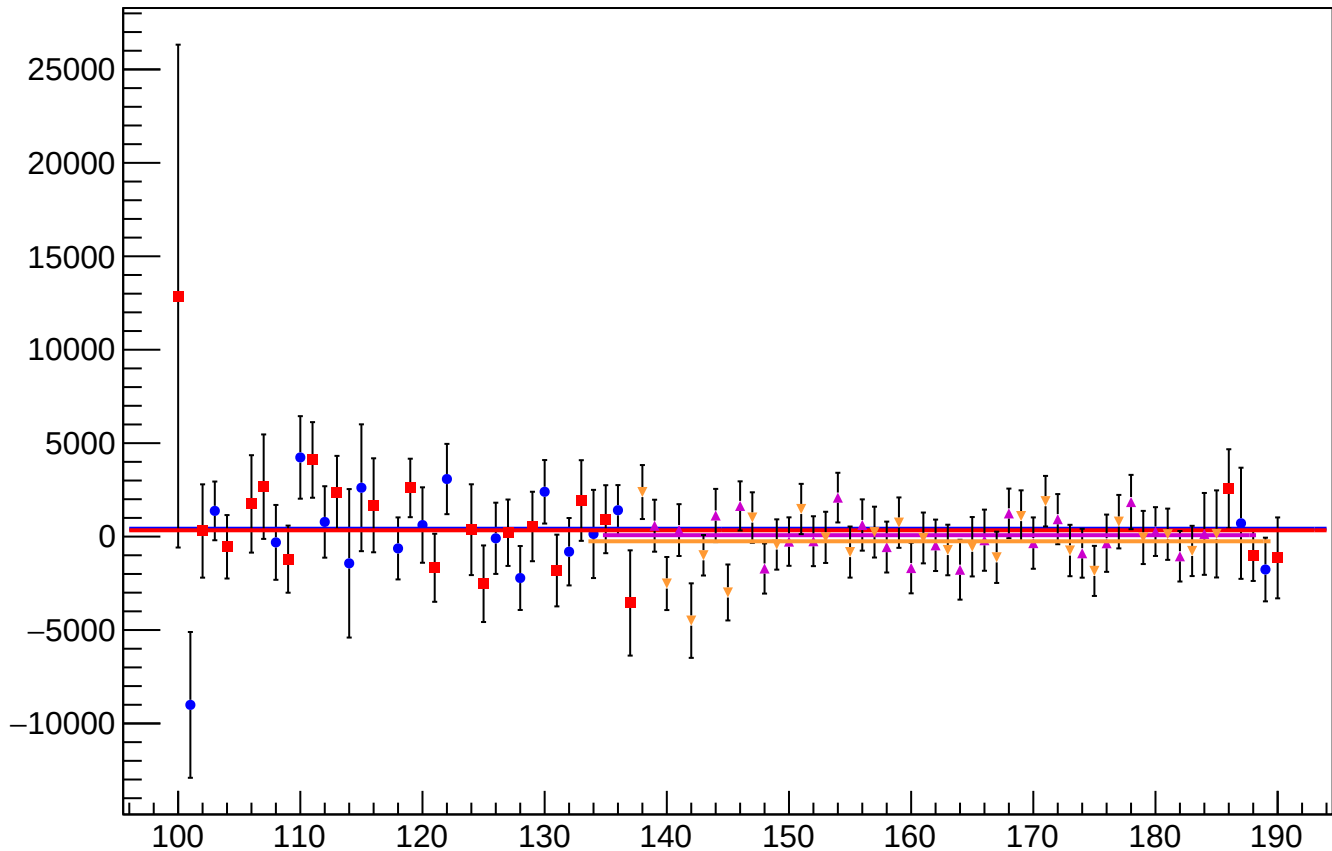
Left In: 612.399+/-0.102 χ^2/NDF :508595.4/22

+ sign 663.083+/-0.095 χ^2/NDF : 5741098.1/42

All: 668.461+/-0.068 χ^2/NDF : 11838386.6/87

- sign 674.016+/-0.097 χ^2/NDF : 6090789.2/44

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 420.896 $\pm$ 461.252 χ^2 /NDF: 18.9/17

Left Out: -250.851 $\pm$ 279.923 χ^2 /NDF:24.0/24

Right Out: 337.560 $\pm$ 431.298 χ^2 /NDF: 19.3/21

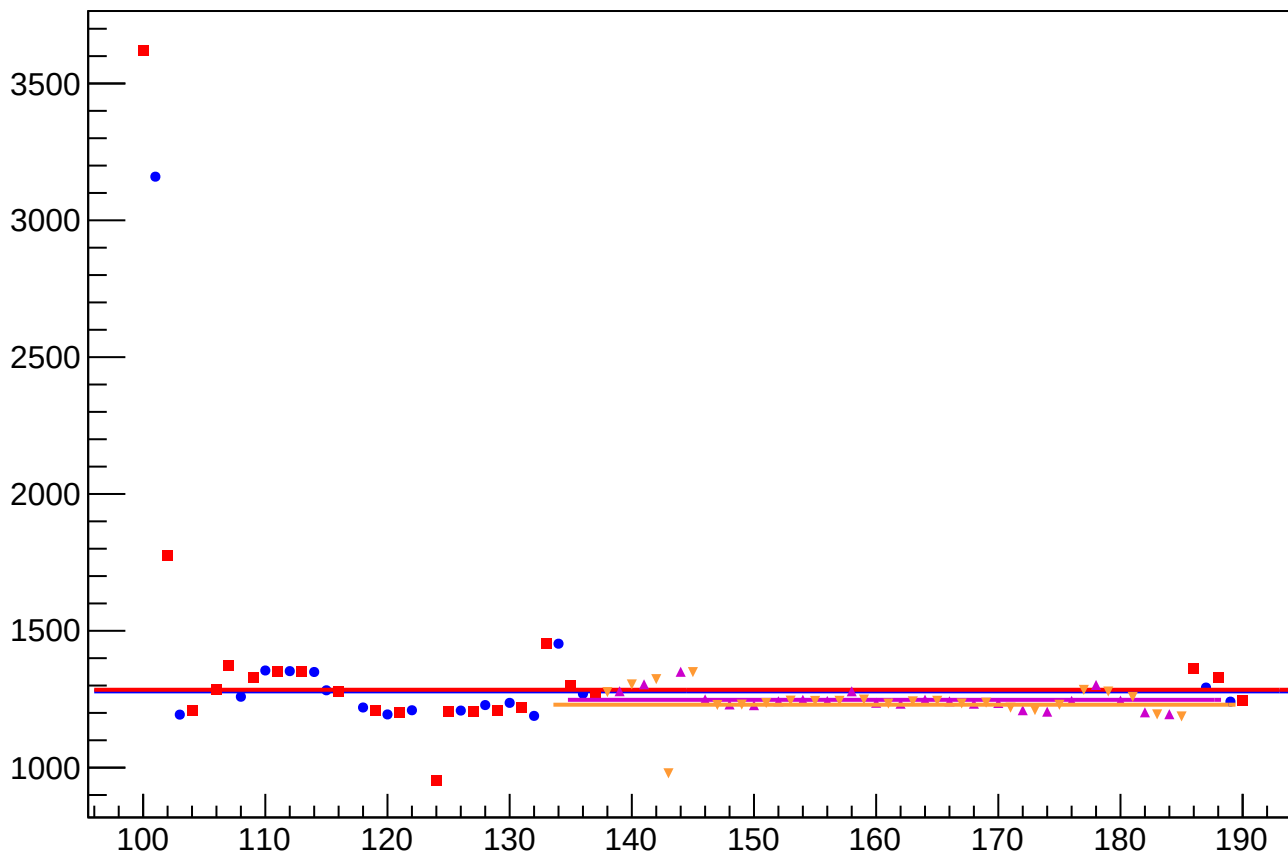
Left In: 74.881 $\pm$ 291.458 χ^2 /NDF:14.0/22

+ sign -70.040 $\pm$ 239.303 χ^2 /NDF: 44.5/42

All: 42.562 $\pm$ 169.980 χ^2 /NDF: 78.5/87

- sign 157.231 $\pm$ 241.488 χ^2 /NDF: 33.6/44

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1278.697 $\pm$ 0.326 χ^2/NDF : 508150.0/17

Left Out: 1229.986 $\pm$ 0.198 χ^2/NDF : 141606.6/24

Right Out: 1284.593 $\pm$ 0.305 χ^2/NDF : 226623.4/21

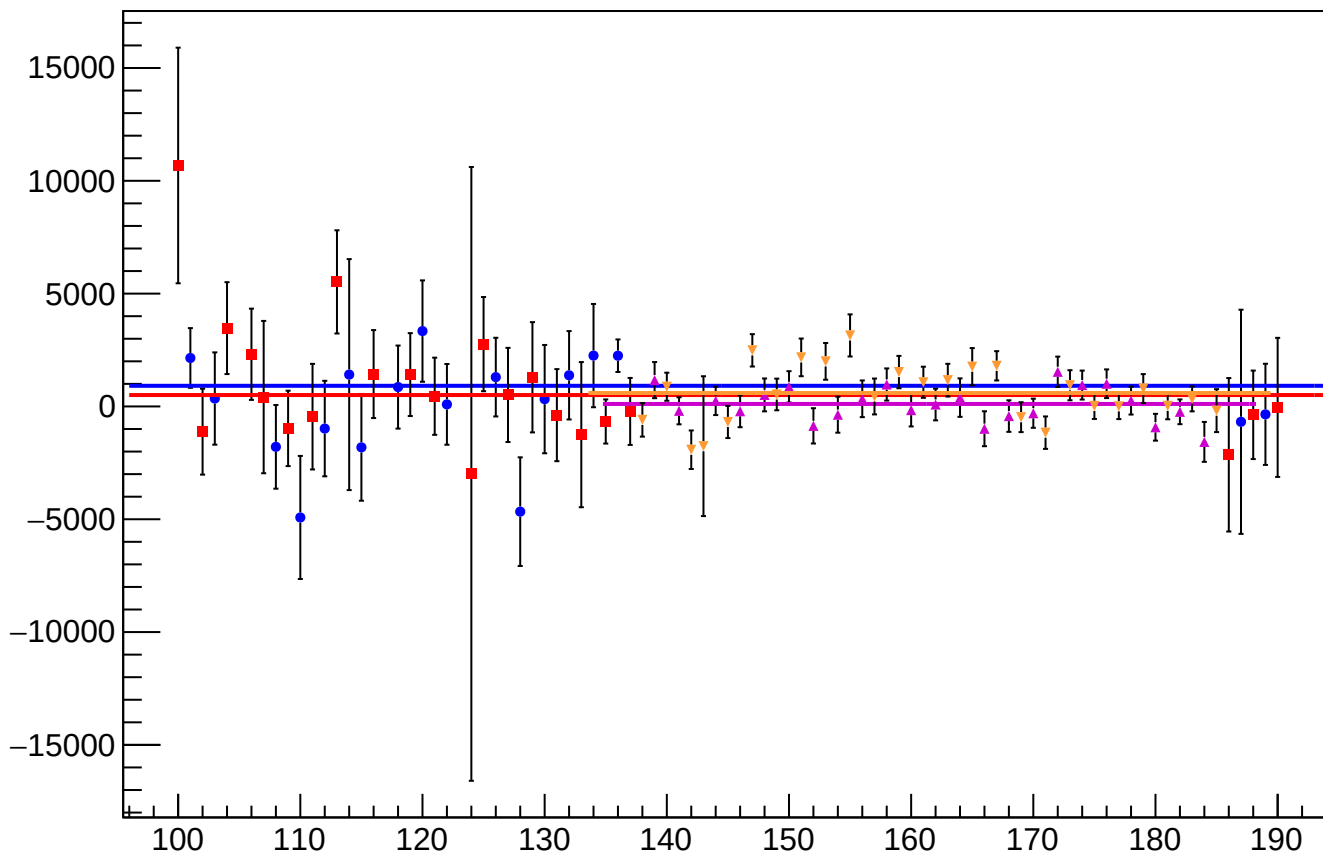
Left In: 1247.785 $\pm$ 0.206 χ^2/NDF : 27340.7/22

+ sign 1243.097 $\pm$ 0.169 χ^2/NDF : 666058.1/42

All: 1251.137 $\pm$ 0.120 χ^2/NDF : 934578.9/87

- sign 1259.324 $\pm$ 0.171 χ^2/NDF : 263964.4/44

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 915.035 $\pm$ 416.299 χ^2 /NDF: 20.9/17

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 505.249 $\pm$ 428.738 χ^2 /NDF: 18.0/21

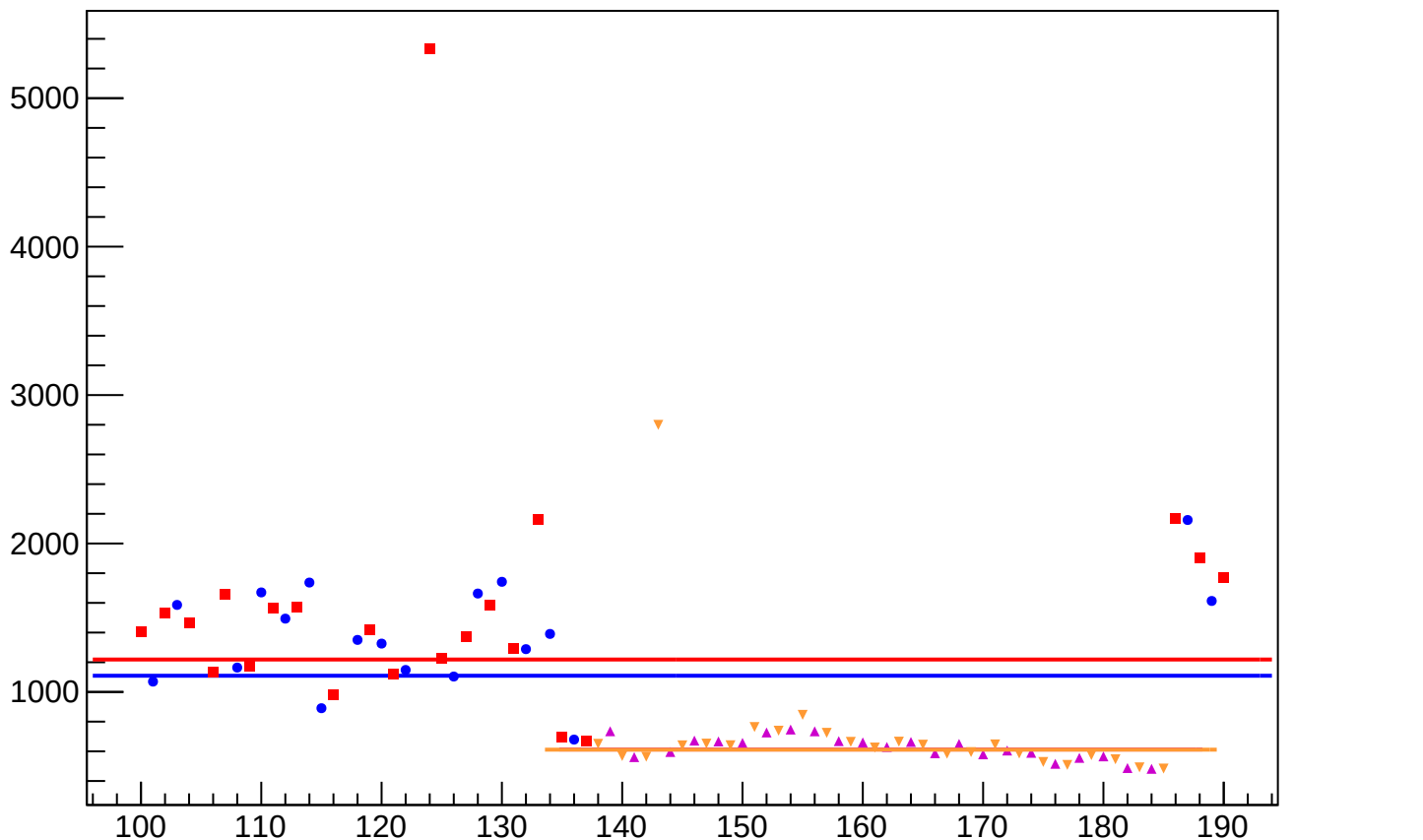
Left In: 110.251 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 628.410 $\pm$ 134.507 χ^2 /NDF: 78.7/42

All: 393.281 $\pm$ 95.878 χ^2 /NDF: 129.5/87

- sign 150.409 $\pm$ 136.704 χ^2 /NDF: 44.5/44

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



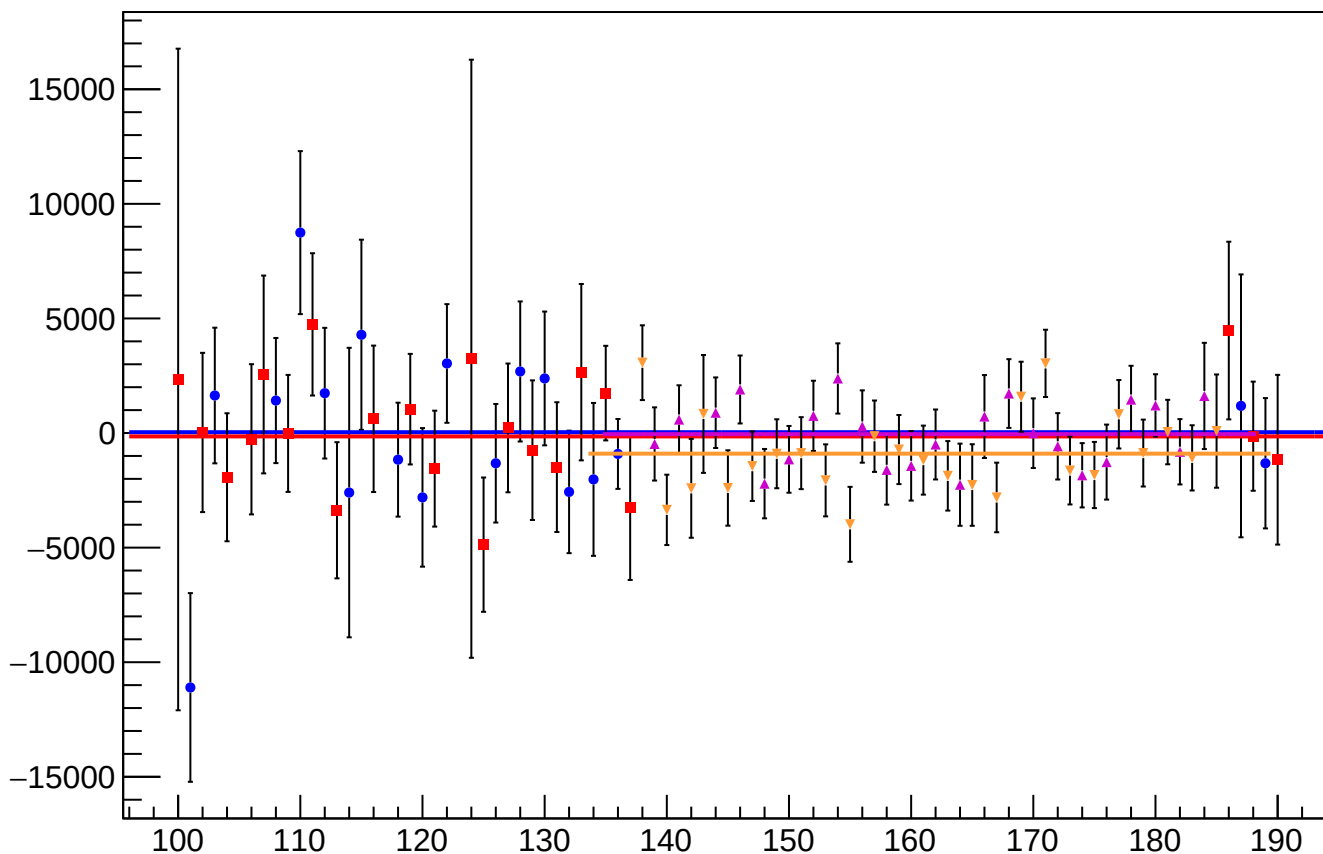
Right In: 1109.161 $\pm$ 0.294 χ^2/NDF : 1557725.6/17
 Left Out: 611.086 $\pm$ 0.101 χ^2/NDF :1619319.5/24
 Right Out: 1218.466 $\pm$ 0.303 χ^2/NDF : 1991934.7/21
 Left In: 612.398 $\pm$ 0.102 χ^2/NDF :508597.7/22

+ sign 663.083 $\pm$ 0.095 χ^2/NDF : 5741086.7/42

All: 668.460 $\pm$ 0.068 χ^2/NDF : 11838386.5/87

- sign 674.015 $\pm$ 0.097 χ^2/NDF : 6090801.1/44

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 35.709+/-674.071 χ^2/NDF : 21.6/17

Left Out: -899.894+/-316.449 χ^2/NDF : 29.8/24

Right Out: -147.669+/-651.172 χ^2/NDF : 11.9/21

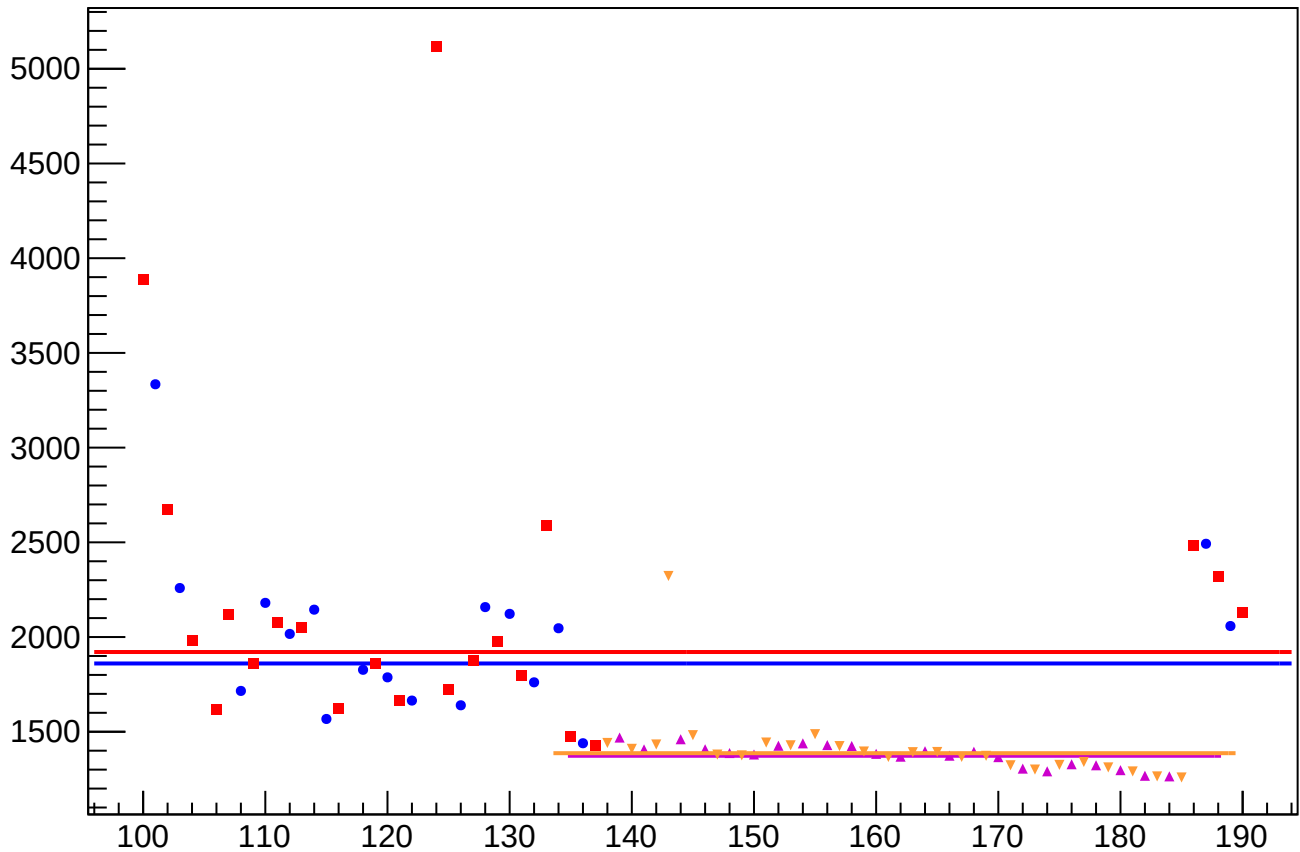
Left In: -48.178+/-320.929 χ^2/NDF : 17.9/22

+ sign -730.933+/-286.453 χ^2/NDF : 53.0/42

All: -400.909+/-203.051 χ^2/NDF : 85.4/87

- sign -67.621+/-287.866 χ^2/NDF : 29.8/44

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1860.446+/-0.477 χ^2/NDF : 592536.1/17

Left Out: 1386.845+/-0.224 χ^2/NDF : 339794.5/24

Right Out: 1920.960+/-0.460 χ^2/NDF : 641334.0/21

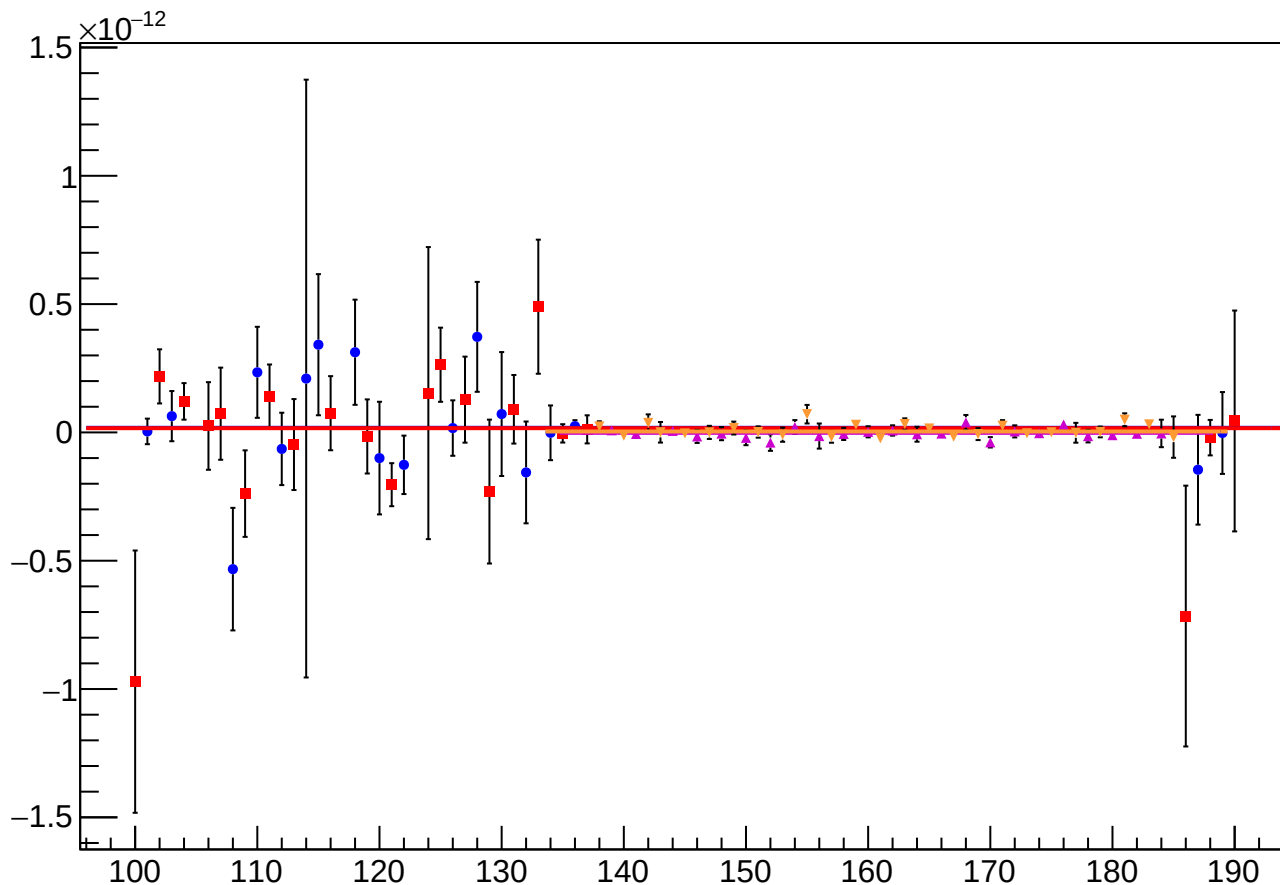
Left In: 1373.217+/-0.227 χ^2/NDF : 64467.6/22

+ sign 1472.373+/-0.203 χ^2/NDF : 1741325.4/42

All: 1476.299+/-0.144 χ^2/NDF : 3586461.7/87

- sign 1480.263+/-0.204 χ^2/NDF : 1844381.4/44

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.6/21

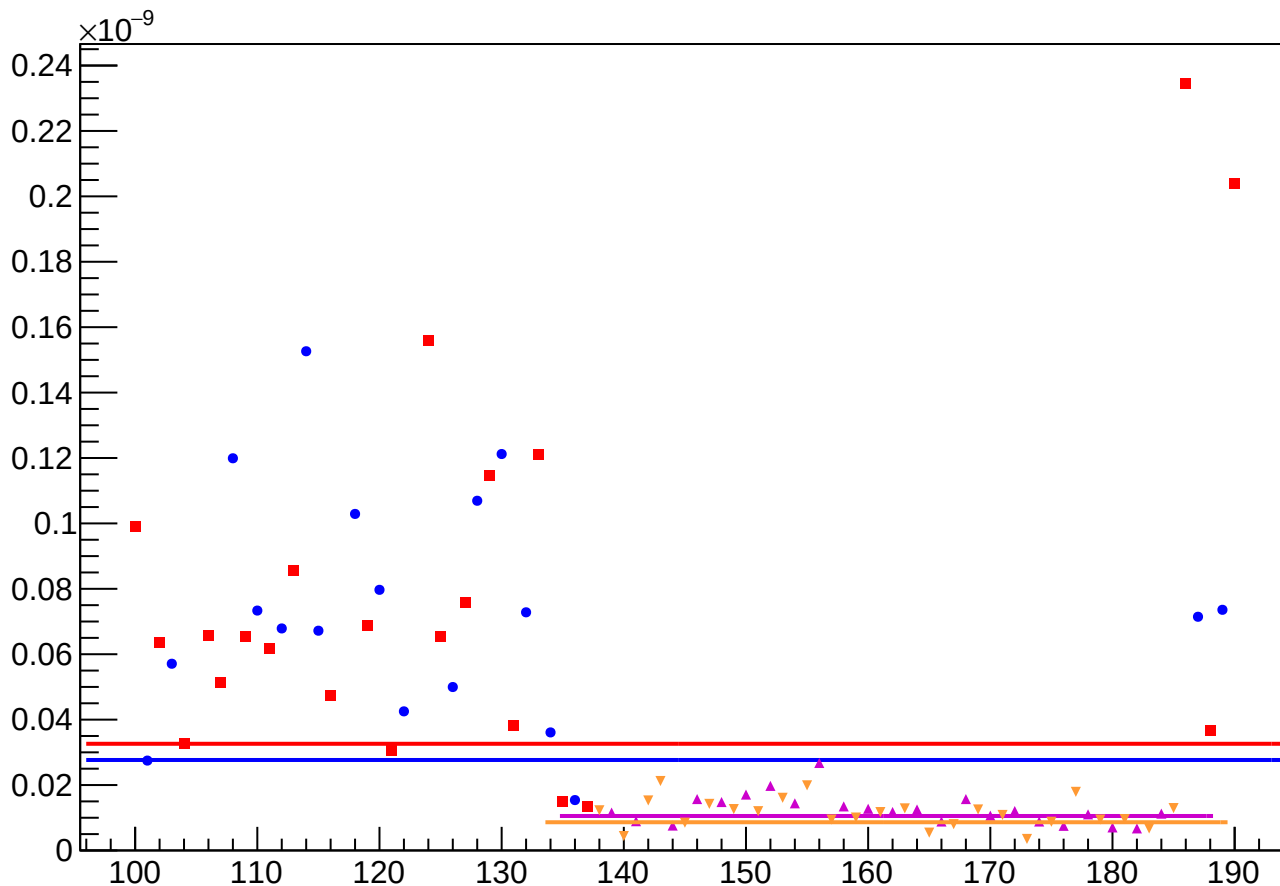
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.4/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 88.0/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.8/44

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2835767.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2921849.6/21

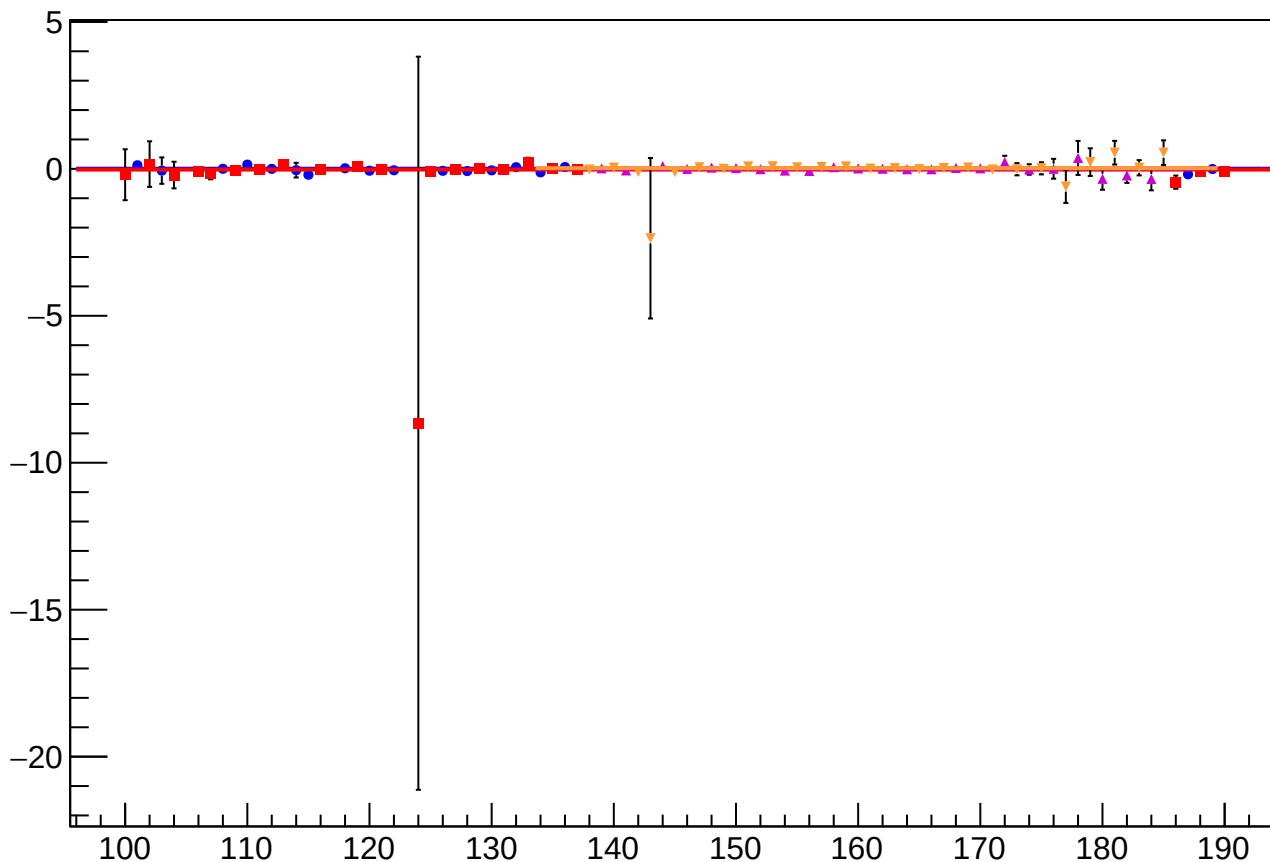
Left In: 0.000+/-0.000 χ^2/NDF : 1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 6993745.0/42

All: 0.000+/-0.000 χ^2/NDF : 13493534.0/87

- sign 0.000+/-0.000 χ^2/NDF : 6238823.8/44

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.015 χ^2/NDF : 21.6/17

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 18.8/21

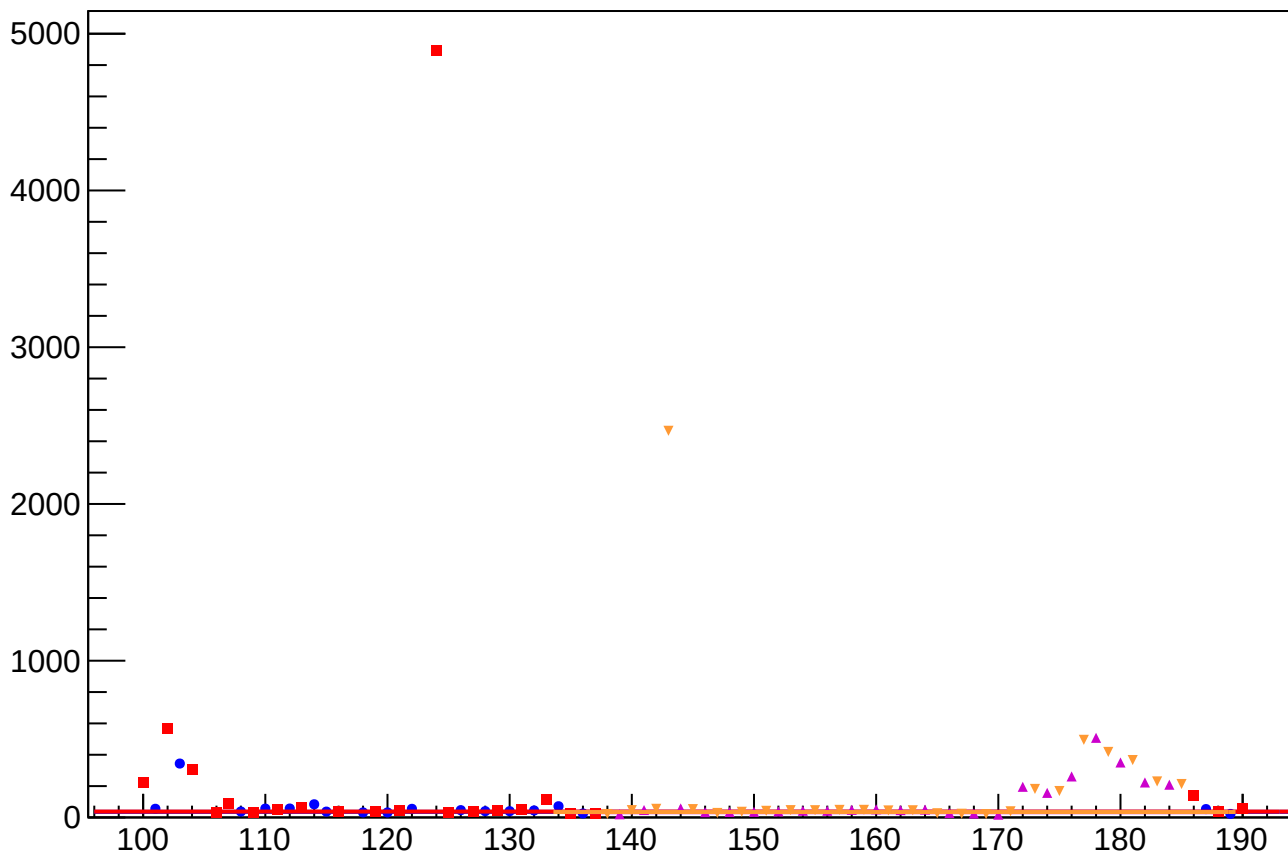
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.017 ± 0.008 χ^2/NDF : 45.7/42

All: 0.008 ± 0.006 χ^2/NDF : 85.2/87

- sign -0.001 ± 0.008 χ^2/NDF : 37.2/44

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.758 $\pm$ 0.011 χ^2 /NDF: 2253352.4/17

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 37.603 $\pm$ 0.011 χ^2 /NDF: 3709042.0/21

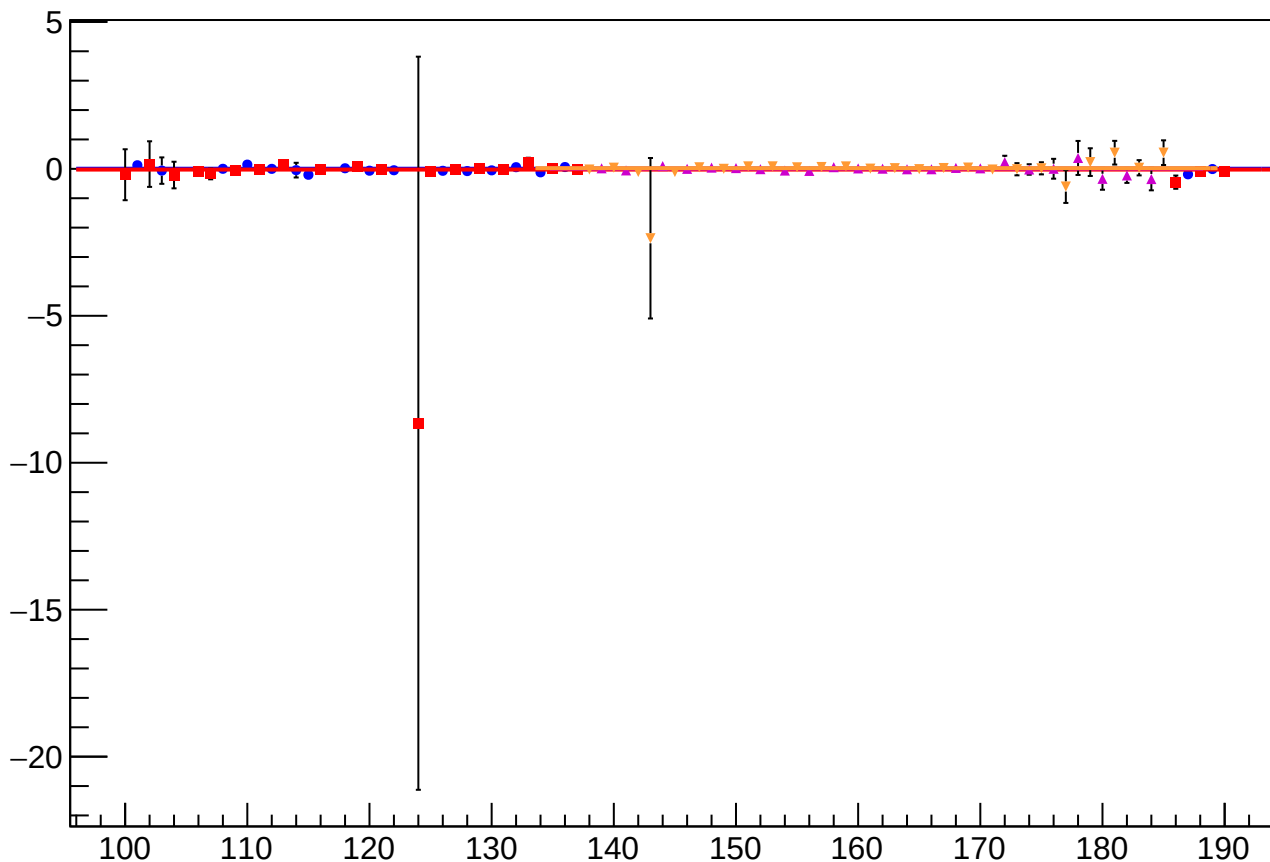
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 34.986 $\pm$ 0.006 χ^2 /NDF: 13663706.3/42

All: 34.889 $\pm$ 0.004 χ^2 /NDF: 27538347.7/87

- sign 34.795 $\pm$ 0.006 χ^2 /NDF: 13874116.1/44

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.015 χ^2 /NDF: 21.6/17

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.025 $\pm$ 0.015 χ^2 /NDF: 18.8/21

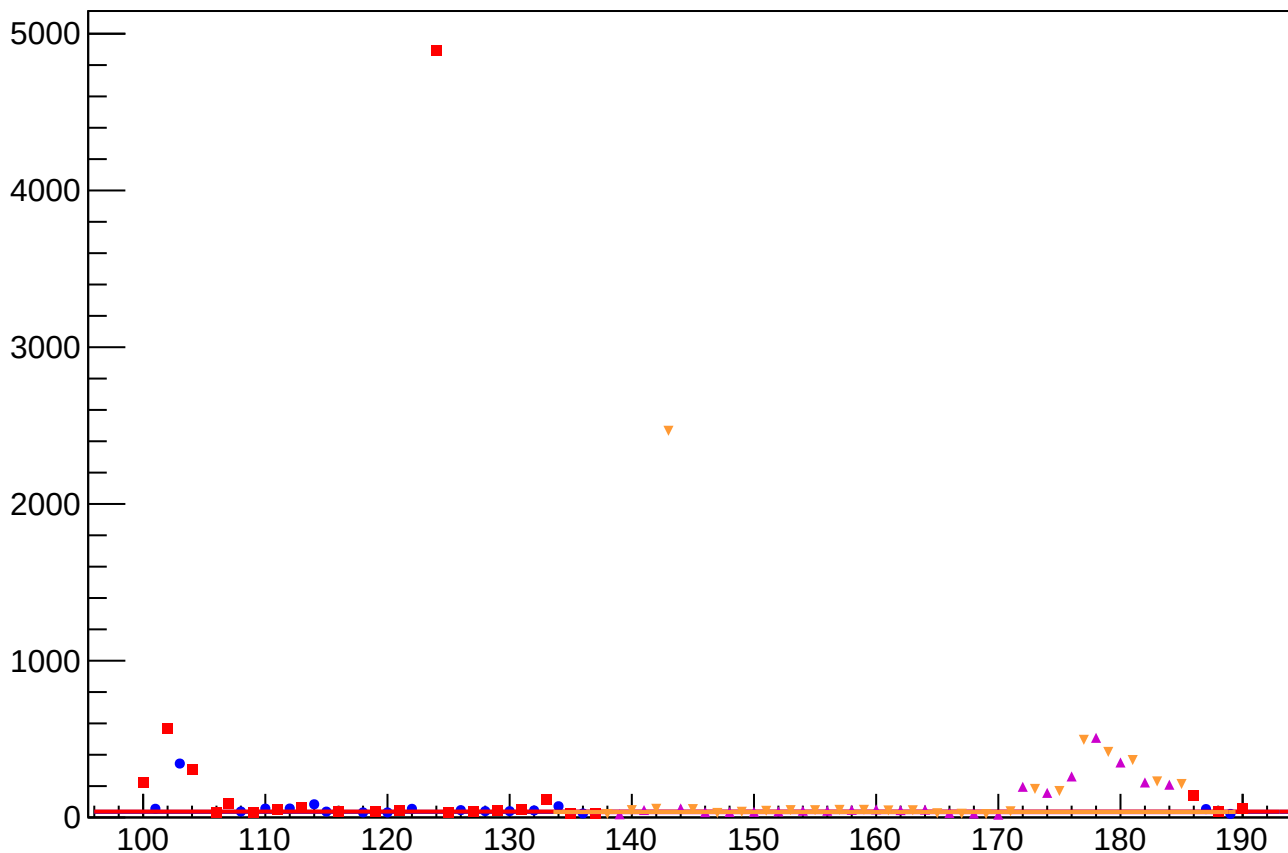
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.017 $\pm$ 0.008 χ^2 /NDF: 45.7/42

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 85.2/87

- sign -0.001 $\pm$ 0.008 χ^2 /NDF: 37.2/44

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.758 $\pm$ 0.011 χ^2 /NDF: 2253352.4/17

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 37.603 $\pm$ 0.011 χ^2 /NDF: 3709042.0/21

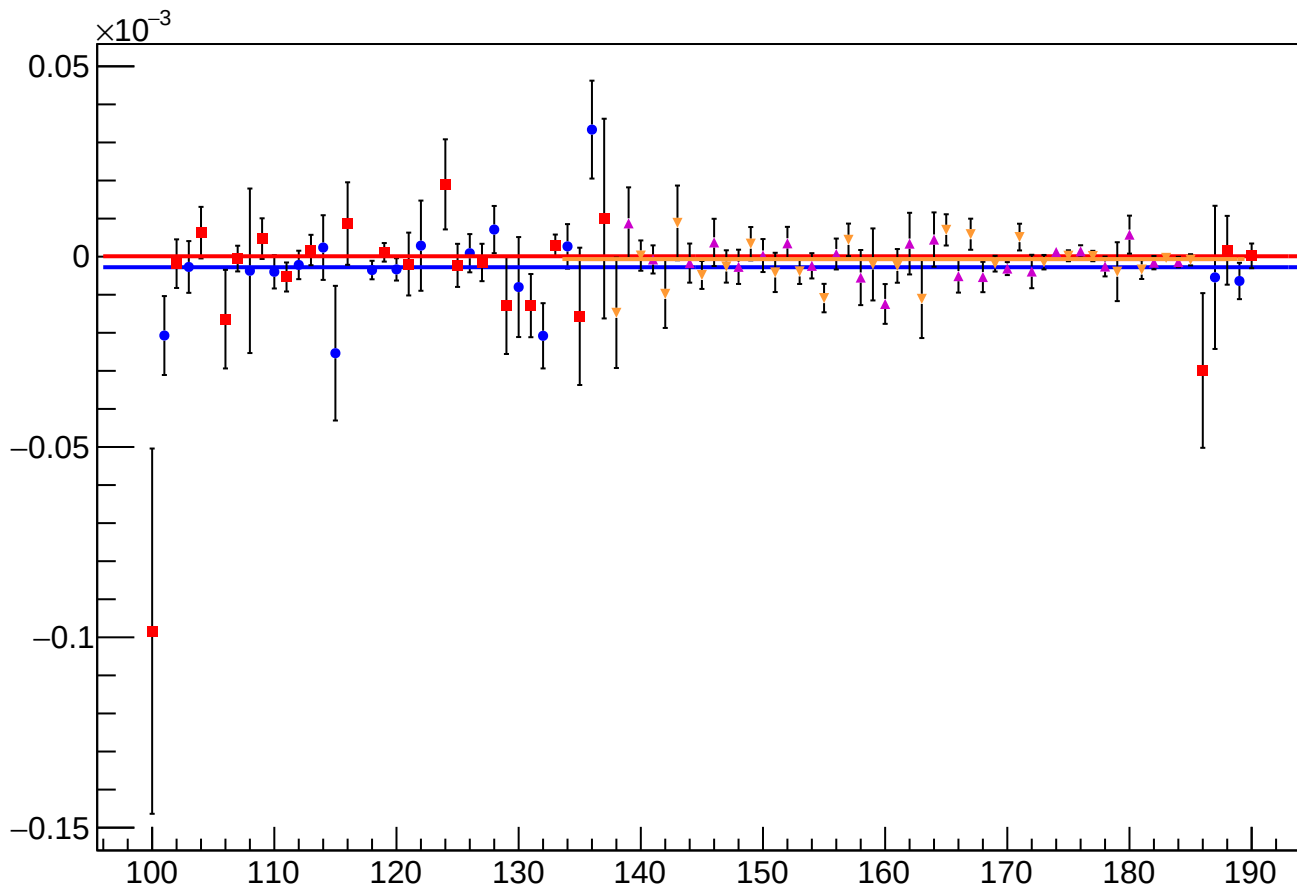
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 34.986 $\pm$ 0.006 χ^2 /NDF: 13663706.3/42

All: 34.889 $\pm$ 0.004 χ^2 /NDF: 27538347.7/87

- sign 34.795 $\pm$ 0.006 χ^2 /NDF: 13874116.1/44

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 22.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 28.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.1/21

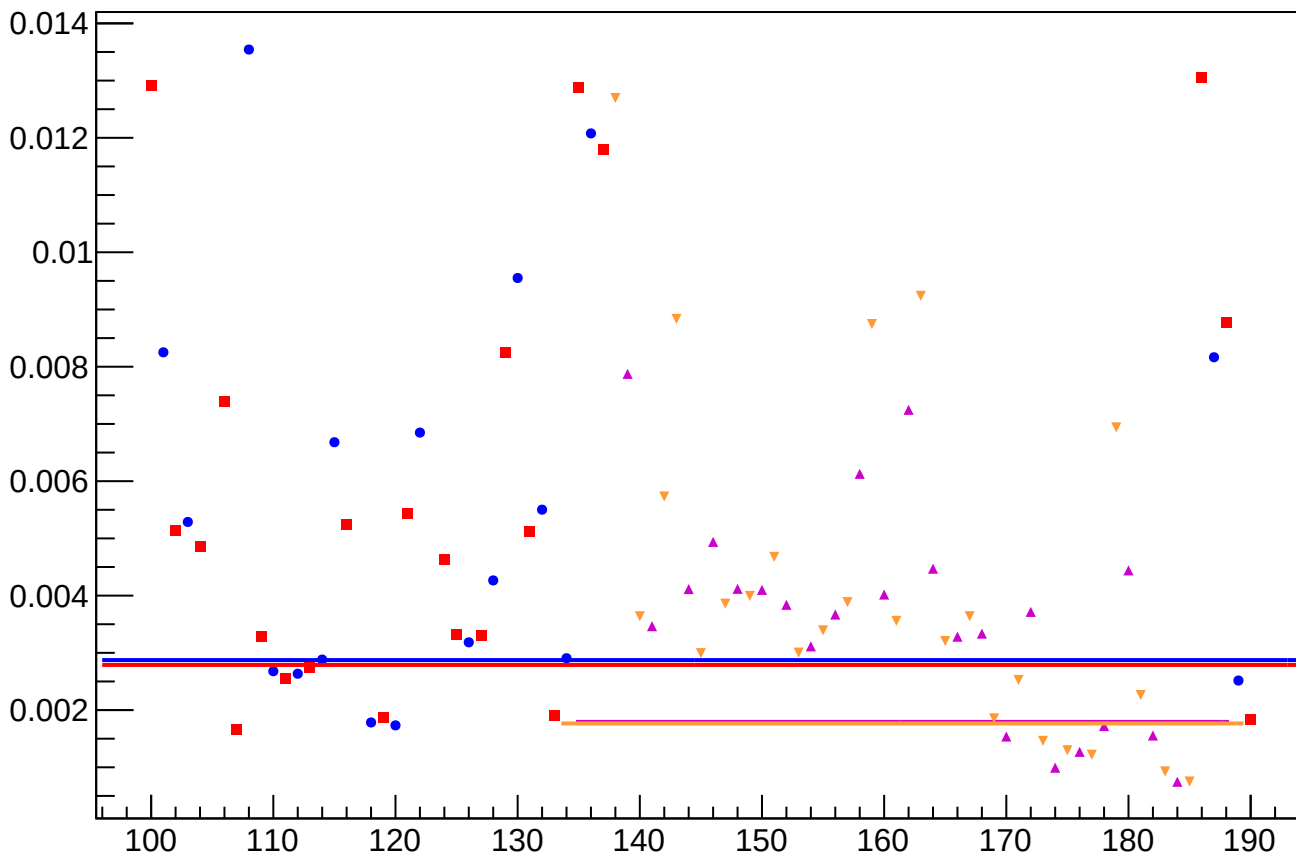
Left In: -0.000 ± 0.000 χ^2/NDF : 21.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 53.4/42

All: -0.000 ± 0.000 χ^2/NDF : 97.2/87

- sign -0.000 ± 0.000 χ^2/NDF : 43.4/44

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4321613.8/17

Left Out: 0.002+/-0.000 χ^2/NDF :12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4873655.6/21

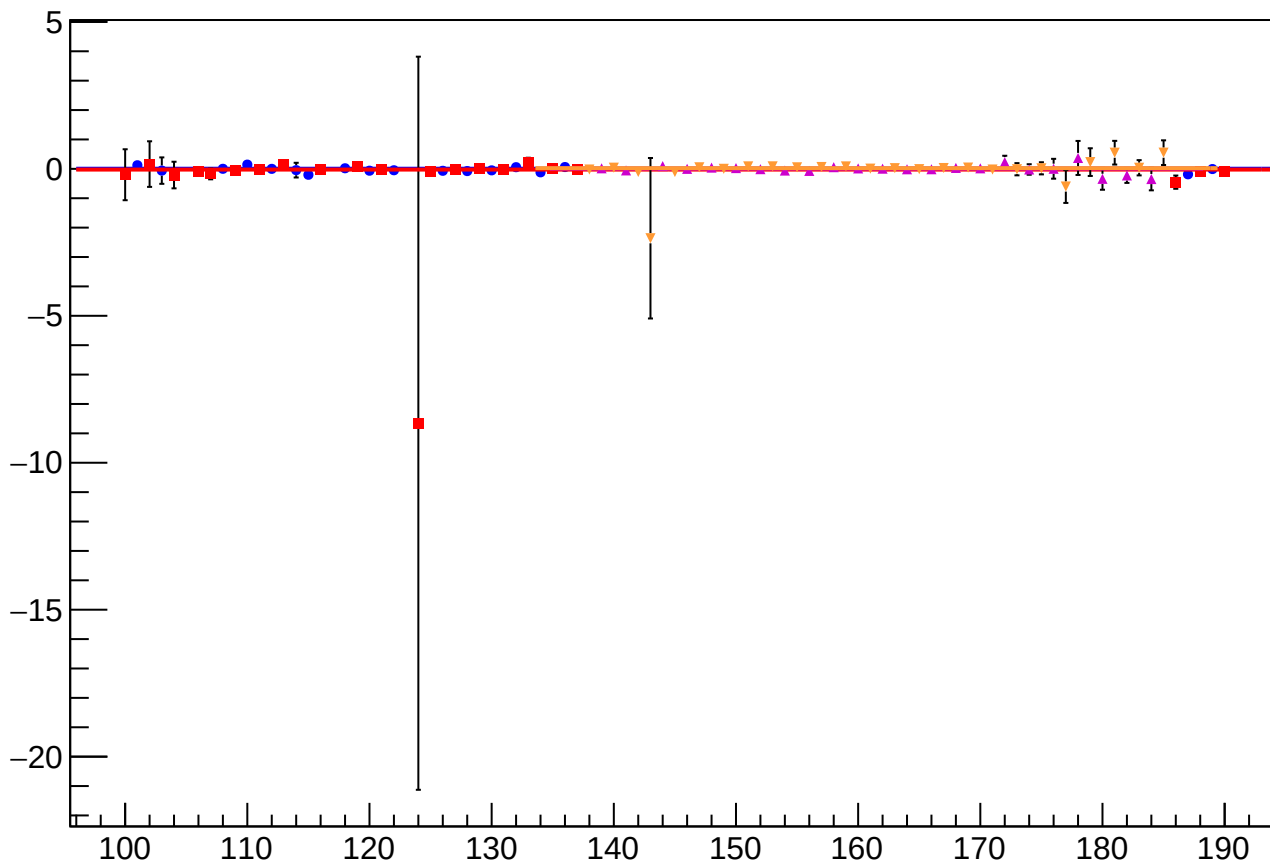
Left In: 0.002+/-0.000 χ^2/NDF :10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF : 18579898.9/42

All: 0.002+/-0.000 χ^2/NDF : 35566857.8/87

- sign 0.002+/-0.000 χ^2/NDF : 16967624.0/44

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 $\pm$ 0.015 χ^2 /NDF: 21.6/17

Left Out: 0.023 $\pm$ 0.010 χ^2 /NDF:22.8/24

Right Out: -0.025 $\pm$ 0.015 χ^2 /NDF: 18.8/21

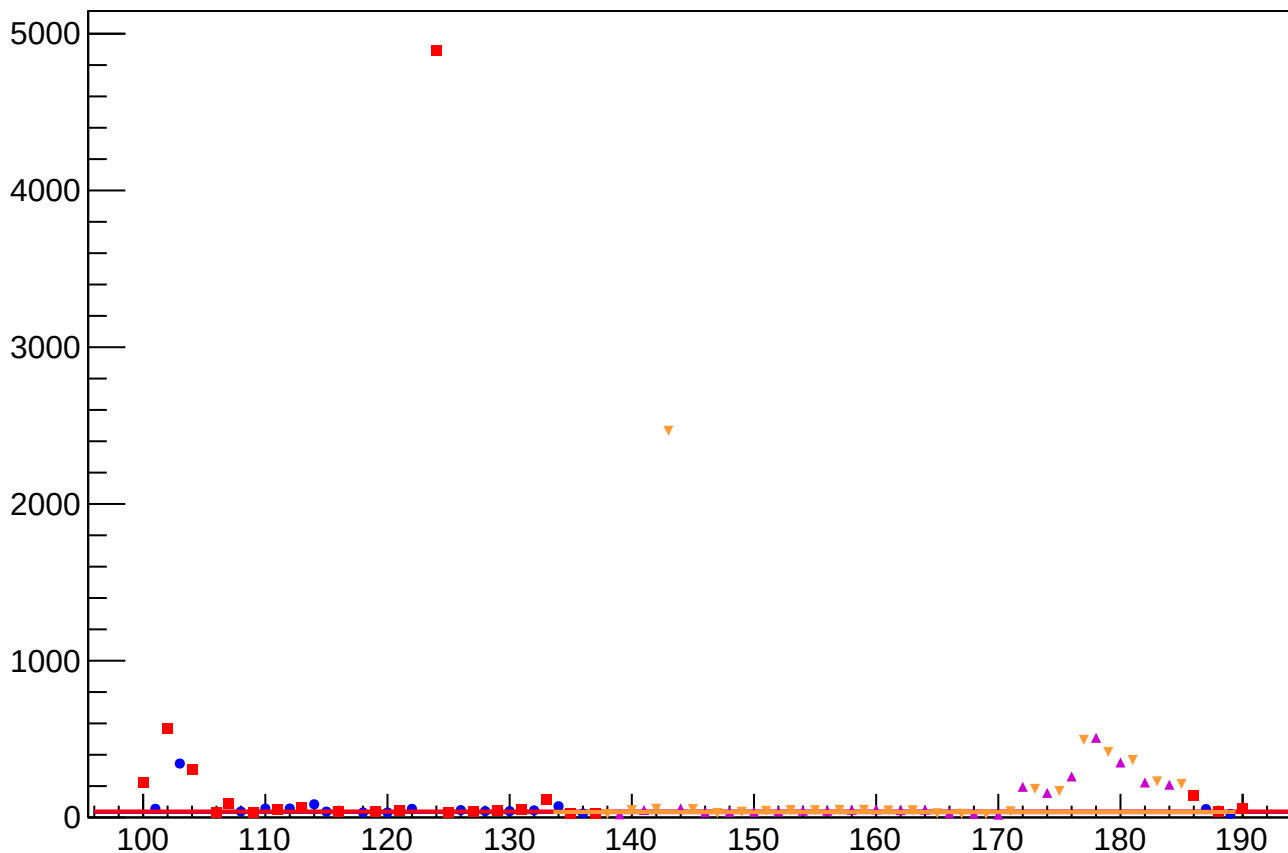
Left In: 0.010 $\pm$ 0.010 χ^2 /NDF:14.8/22

+ sign 0.017 $\pm$ 0.008 χ^2 /NDF: 45.7/42

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 85.2/87

- sign -0.001 $\pm$ 0.008 χ^2 /NDF: 37.2/44

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.762 $\pm$ 0.011 χ^2 /NDF: 2252643.7/17

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 37.605 $\pm$ 0.011 χ^2 /NDF: 3708716.7/21

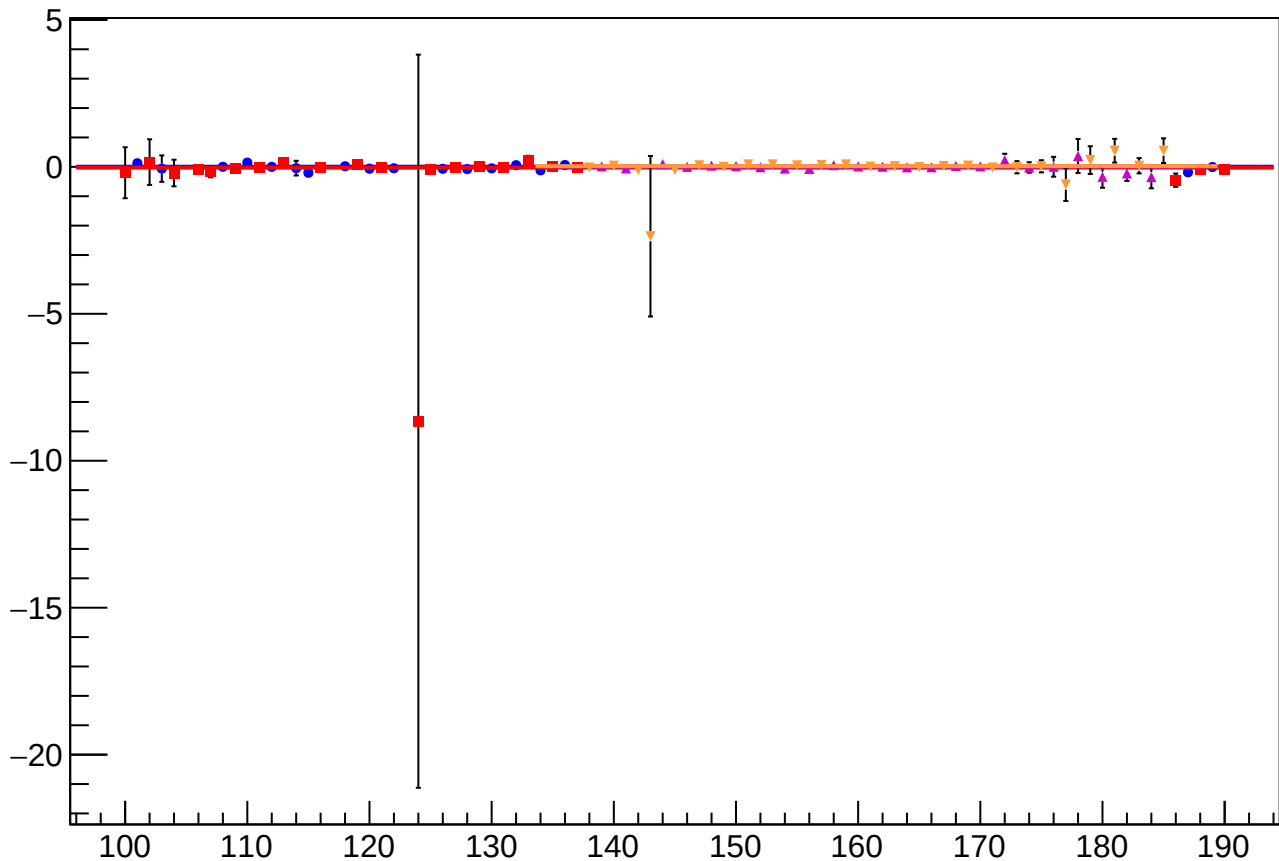
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 34.987 $\pm$ 0.006 χ^2 /NDF: 13663180.8/42

All: 34.891 $\pm$ 0.004 χ^2 /NDF: 27536194.6/87

- sign 34.797 $\pm$ 0.006 χ^2 /NDF: 13872497.2/44

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.015 χ^2/NDF : 21.6/17

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 18.8/21

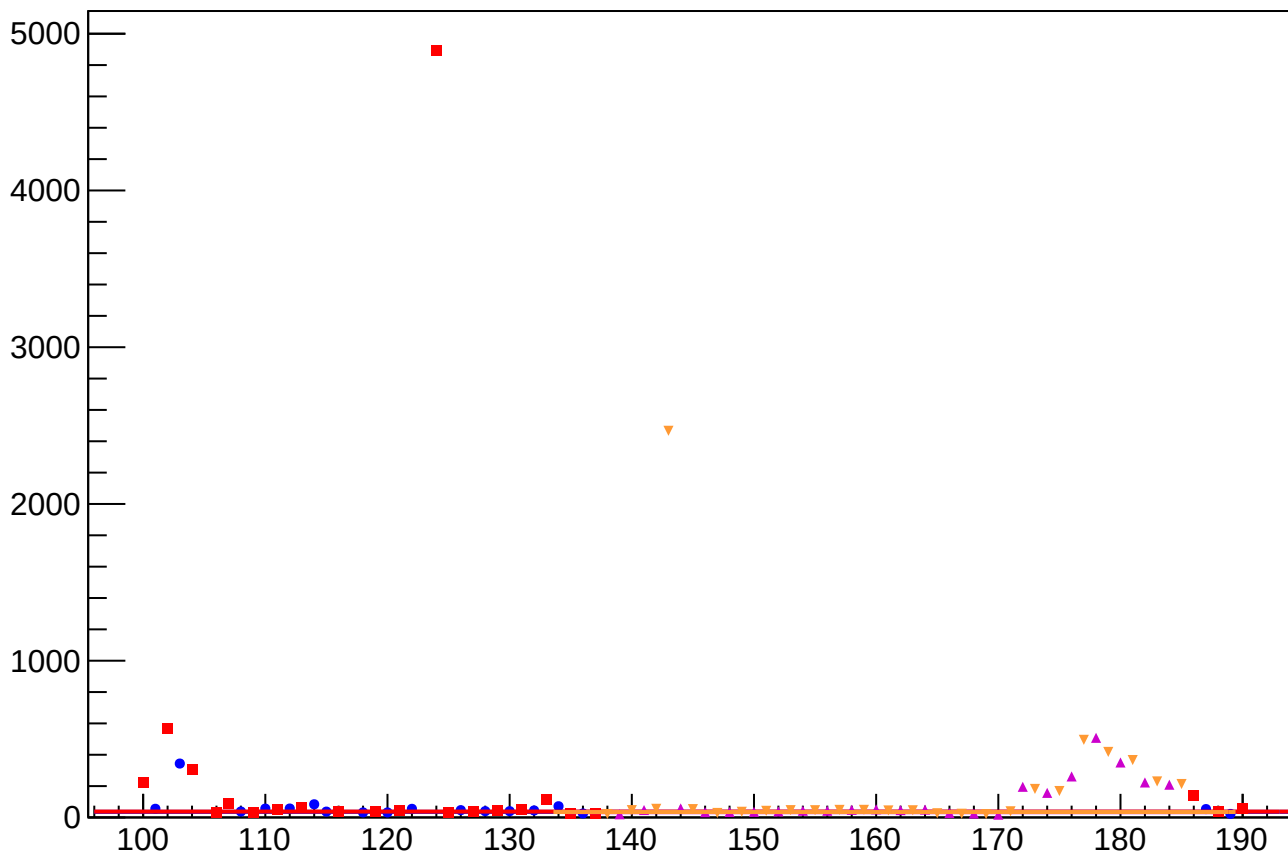
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.017 ± 0.008 χ^2/NDF : 45.7/42

All: 0.008 ± 0.006 χ^2/NDF : 85.2/87

- sign -0.001 ± 0.008 χ^2/NDF : 37.2/44

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.762 $\pm$ 0.011 χ^2 /NDF: 2252643.7/17

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 37.605 $\pm$ 0.011 χ^2 /NDF: 3708716.7/21

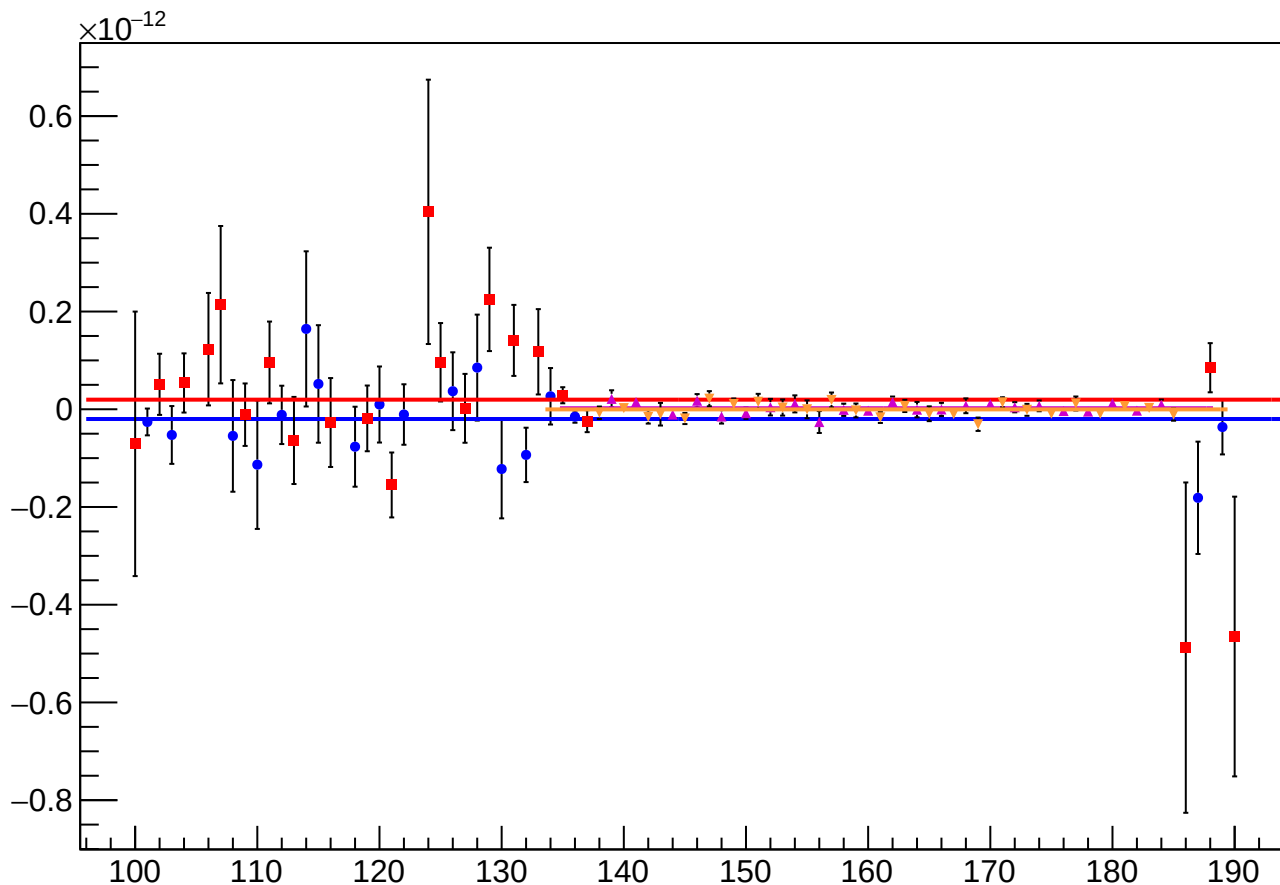
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 34.987 $\pm$ 0.006 χ^2 /NDF: 13663180.8/42

All: 34.891 $\pm$ 0.004 χ^2 /NDF: 27536194.6/87

- sign 34.797 $\pm$ 0.006 χ^2 /NDF: 13872497.2/44

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 10.4/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 26.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.1/21

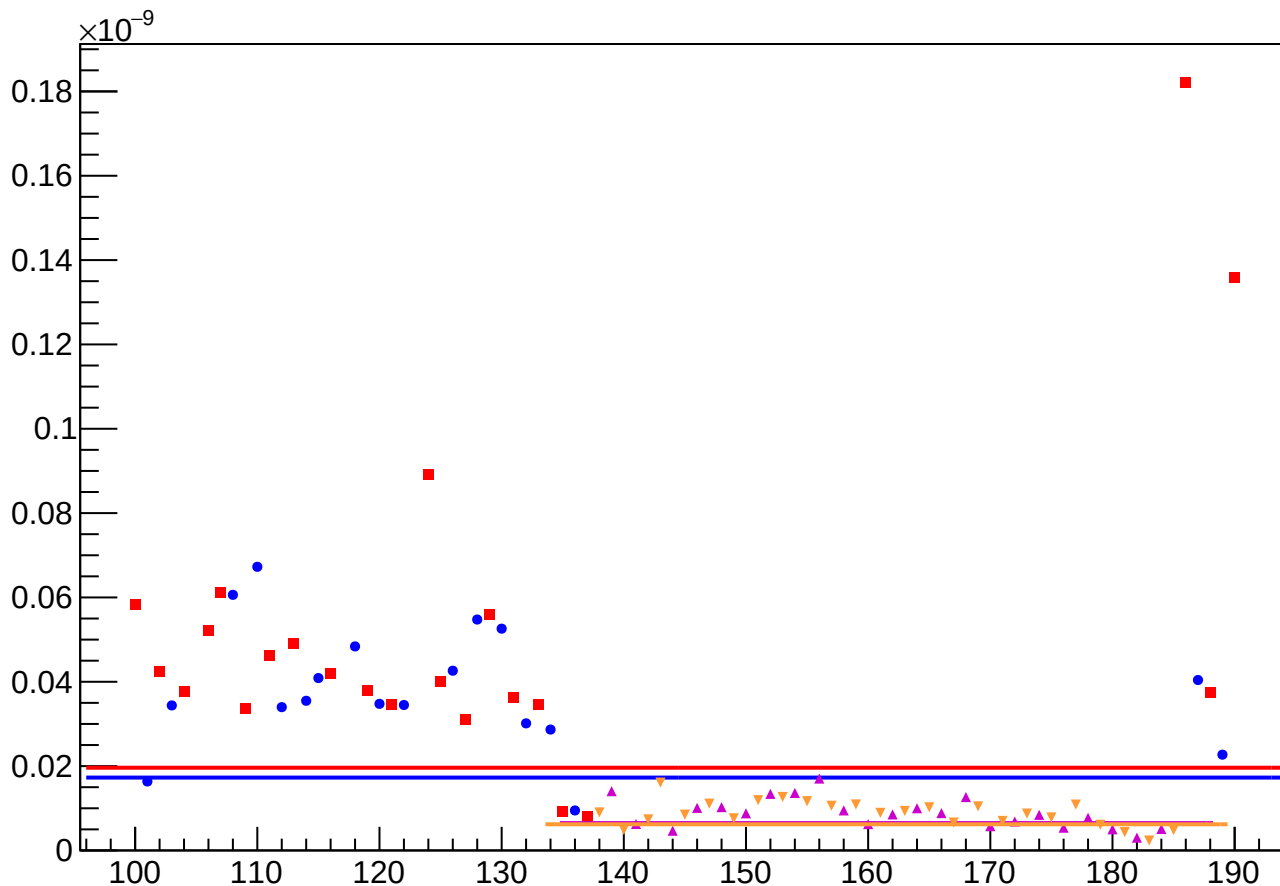
Left In: 0.000 ± 0.000 χ^2/NDF : 20.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 40.4/42

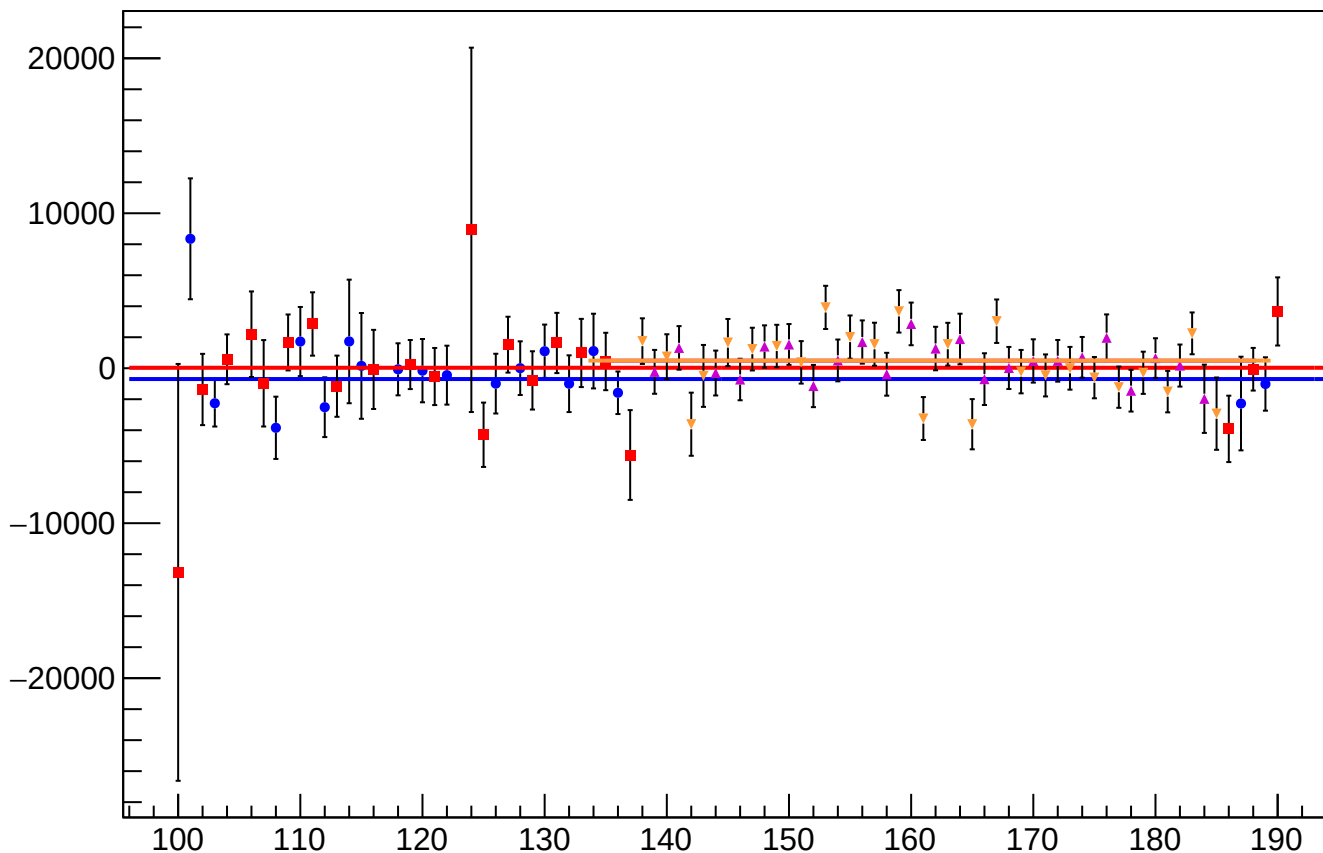
All: 0.000 ± 0.000 χ^2/NDF : 98.8/87

- sign 0.000 ± 0.000 χ^2/NDF : 56.6/44

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -698.032 ± 464.513 χ^2/NDF : 14.2/17

Left Out: 492.062 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 30.143 ± 440.413 χ^2/NDF : 22.0/21

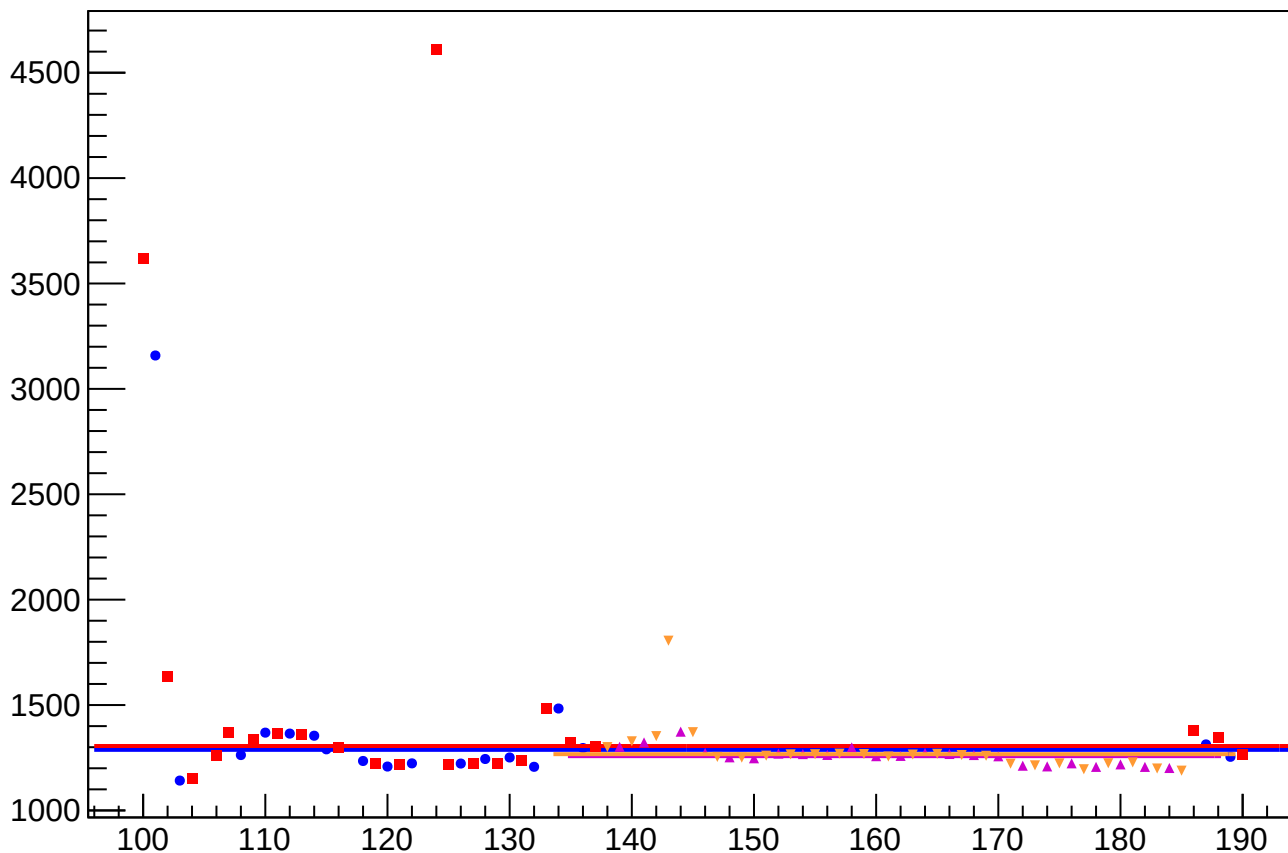
Left In: 486.821 ± 293.769 χ^2/NDF : 14.4/22

+ sign 160.790 ± 245.075 χ^2/NDF : 65.9/42

All: 253.754 ± 173.051 χ^2/NDF : 103.3/87

- sign 346.199 ± 244.389 χ^2/NDF : 37.2/44

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF : 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF : 187545.6/24

Right Out: 1305.601+/-0.311 χ^2/NDF : 324540.5/21

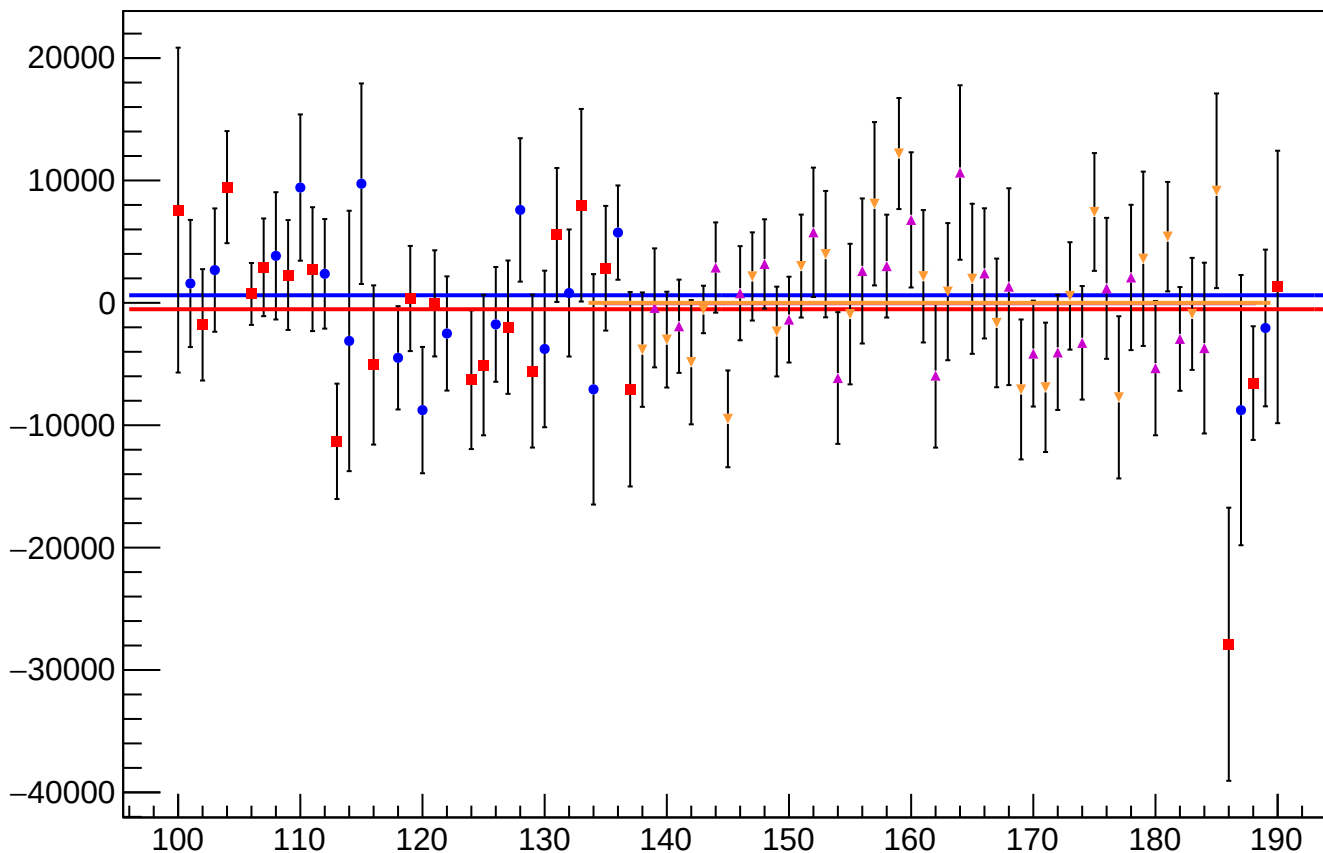
Left In: 1257.551+/-0.208 χ^2/NDF : 36816.4/22

+ sign 1272.677+/-0.173 χ^2/NDF : 705950.0/42

All: 1272.533+/-0.122 χ^2/NDF : 1083832.8/87

- sign 1272.391+/-0.173 χ^2/NDF : 377881.4/44

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug



Right In: 620.492 $\pm$ 1288.899 χ^2 /NDF: 15.0/17

Left Out: -0.604 $\pm$ 886.488 χ^2 /NDF:29.1/24

Right Out: -521.331 $\pm$ 1070.574 χ^2 /NDF: 26.4/21

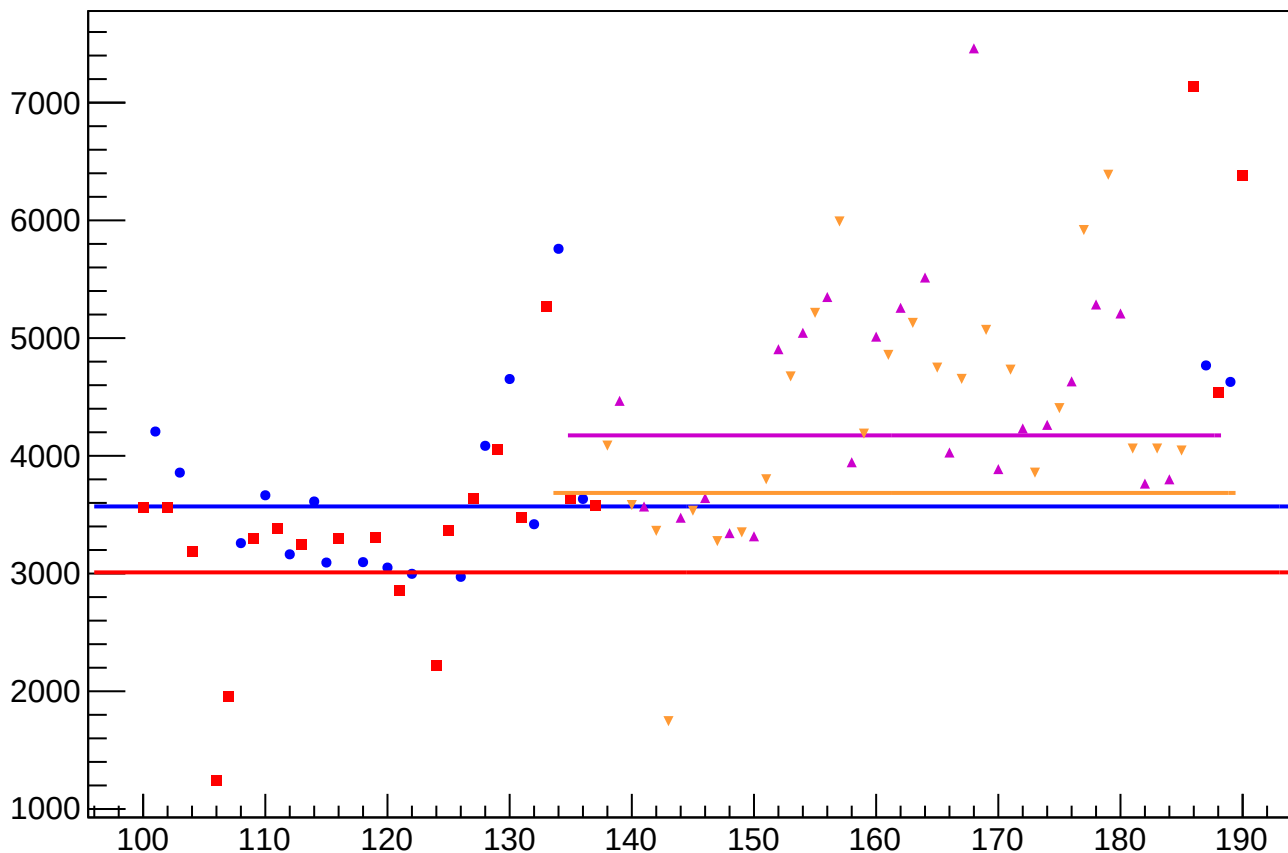
Left In: -31.593 $\pm$ 995.348 χ^2 /NDF:14.0/22

+ sign 198.853 $\pm$ 730.405 χ^2 /NDF: 44.2/42

All: -30.353 $\pm$ 515.964 χ^2 /NDF: 84.9/87

- sign -258.653 $\pm$ 728.962 χ^2 /NDF: 40.6/44

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 3569.977 $\pm$ 0.911 χ^2 /NDF: 436578.6/17

Left Out: 3684.769 $\pm$ 0.627 χ^2 /NDF: 3693646.6/24

Right Out: 3009.926 $\pm$ 0.757 χ^2 /NDF: 2216475.4/21

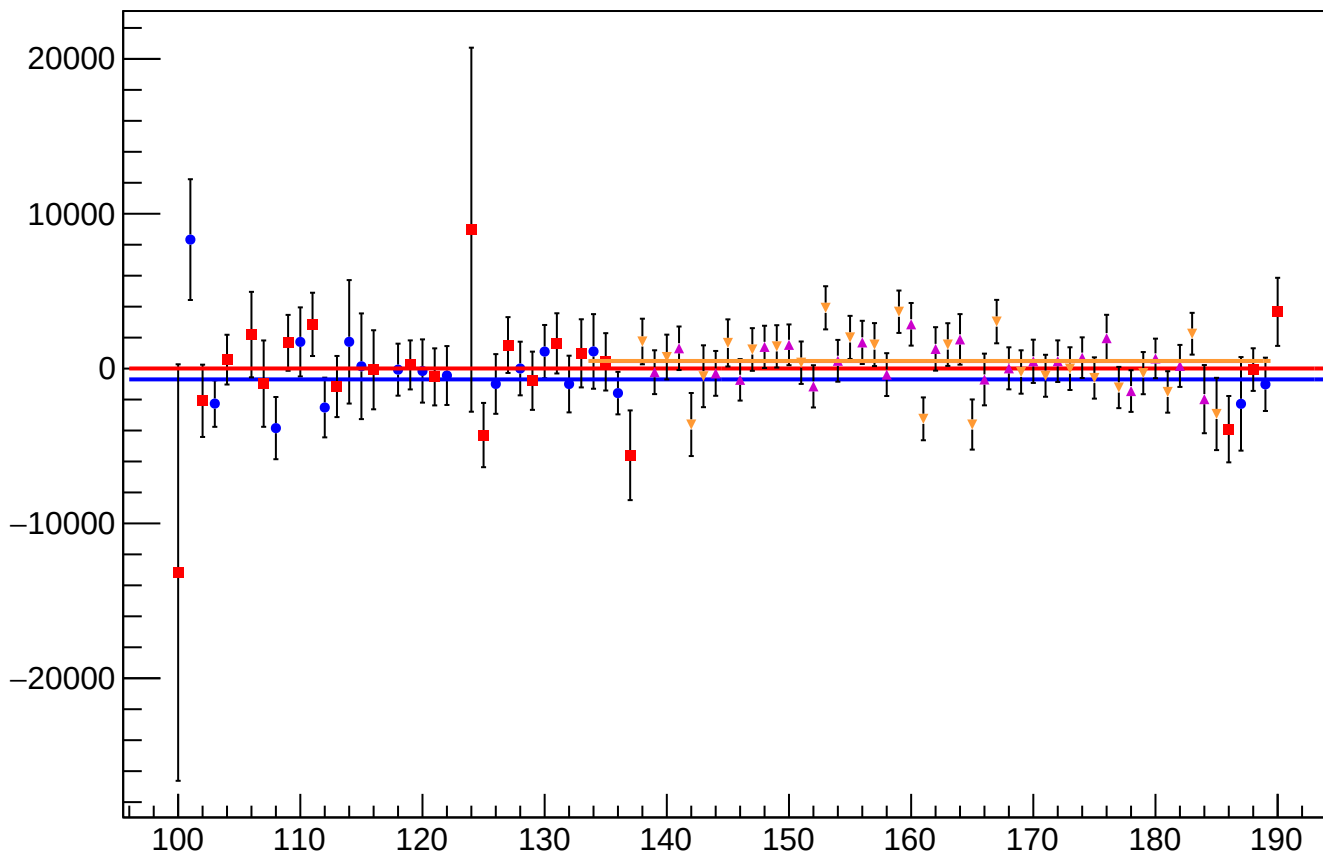
Left In: 4173.556 $\pm$ 0.704 χ^2 /NDF: 1274968.4/22

+ sign 3647.905 $\pm$ 0.516 χ^2 /NDF: 4140994.7/42

All: 3640.967 $\pm$ 0.365 χ^2 /NDF: 8900119.4/87

- sign 3634.056 $\pm$ 0.515 χ^2 /NDF: 4758764.5/44

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -698.399 ± 464.513 χ^2/NDF : 14.2/17

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 6.459 ± 440.651 χ^2/NDF : 22.4/21

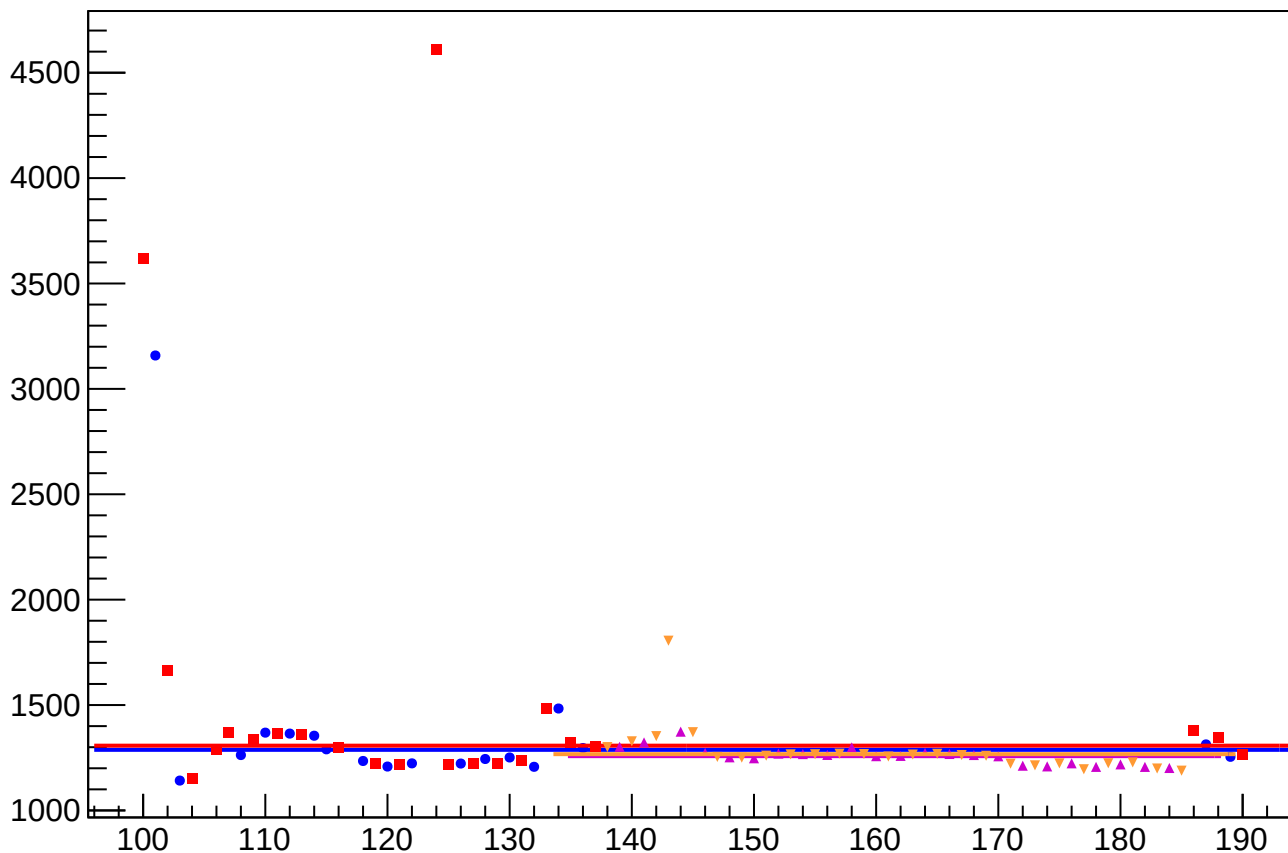
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 160.700 ± 245.075 χ^2/NDF : 65.8/42

All: 250.058 ± 173.066 χ^2/NDF : 103.8/87

- sign 338.947 ± 244.430 χ^2/NDF : 37.7/44

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.477 $\pm$ 0.328 χ^2/NDF : 515592.2/17

Left Out: 1266.968 $\pm$ 0.204 χ^2/NDF : 187545.6/24

Right Out: 1307.272 $\pm$ 0.311 χ^2/NDF : 330840.5/21

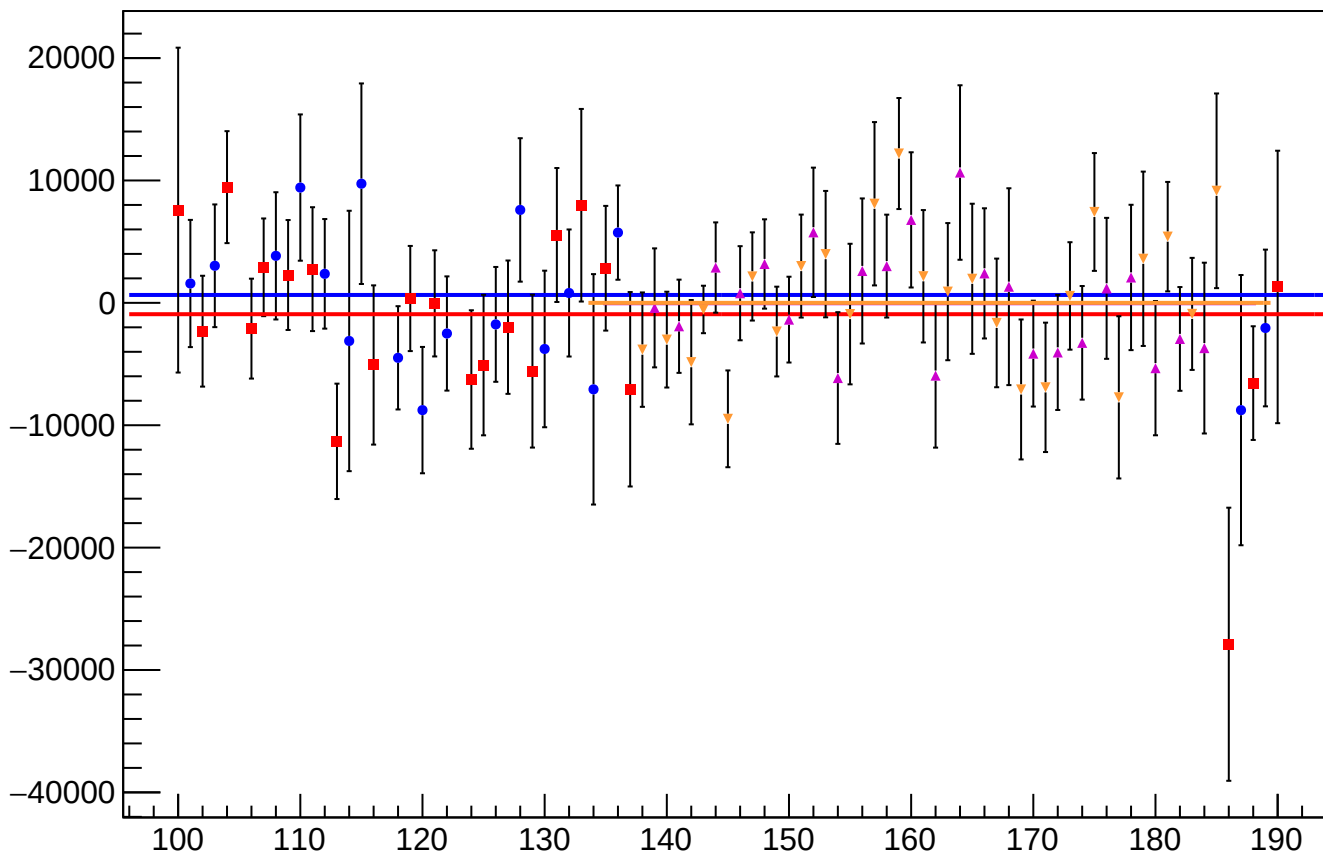
Left In: 1257.551 $\pm$ 0.208 χ^2/NDF : 36816.3/22

+ sign 1272.676 $\pm$ 0.173 χ^2/NDF : 705951.4/42

All: 1272.780 $\pm$ 0.122 χ^2/NDF : 1091274.1/87

- sign 1272.882 $\pm$ 0.173 χ^2/NDF : 385322.0/44

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug



Right In: 644.987 ± 1288.480 χ^2/NDF : 15.0/17

Left Out: -0.541 ± 886.487 χ^2/NDF : 29.1/24

Right Out: -927.344 ± 1134.615 χ^2/NDF : 26.3/21

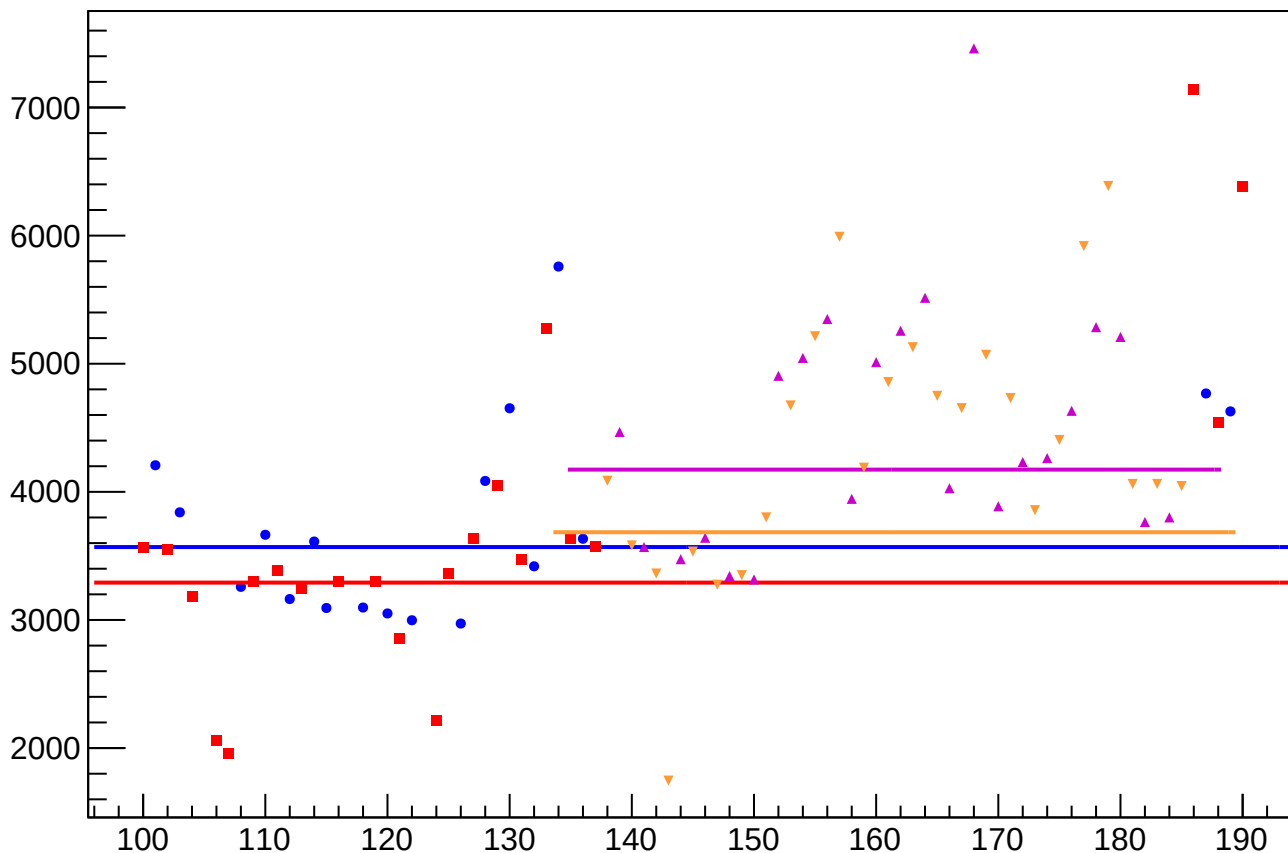
Left In: -31.597 ± 995.347 χ^2/NDF : 14.0/22

+ sign 206.853 ± 730.329 χ^2/NDF : 44.2/42

All: -99.544 ± 522.637 χ^2/NDF : 85.3/87

- sign -421.151 ± 748.238 χ^2/NDF : 40.7/44

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3569.073+/-0.911 χ^2 /NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2 /NDF: 3693687.2/24

Right Out: 3291.760+/-0.802 χ^2 /NDF: 1222238.2/21

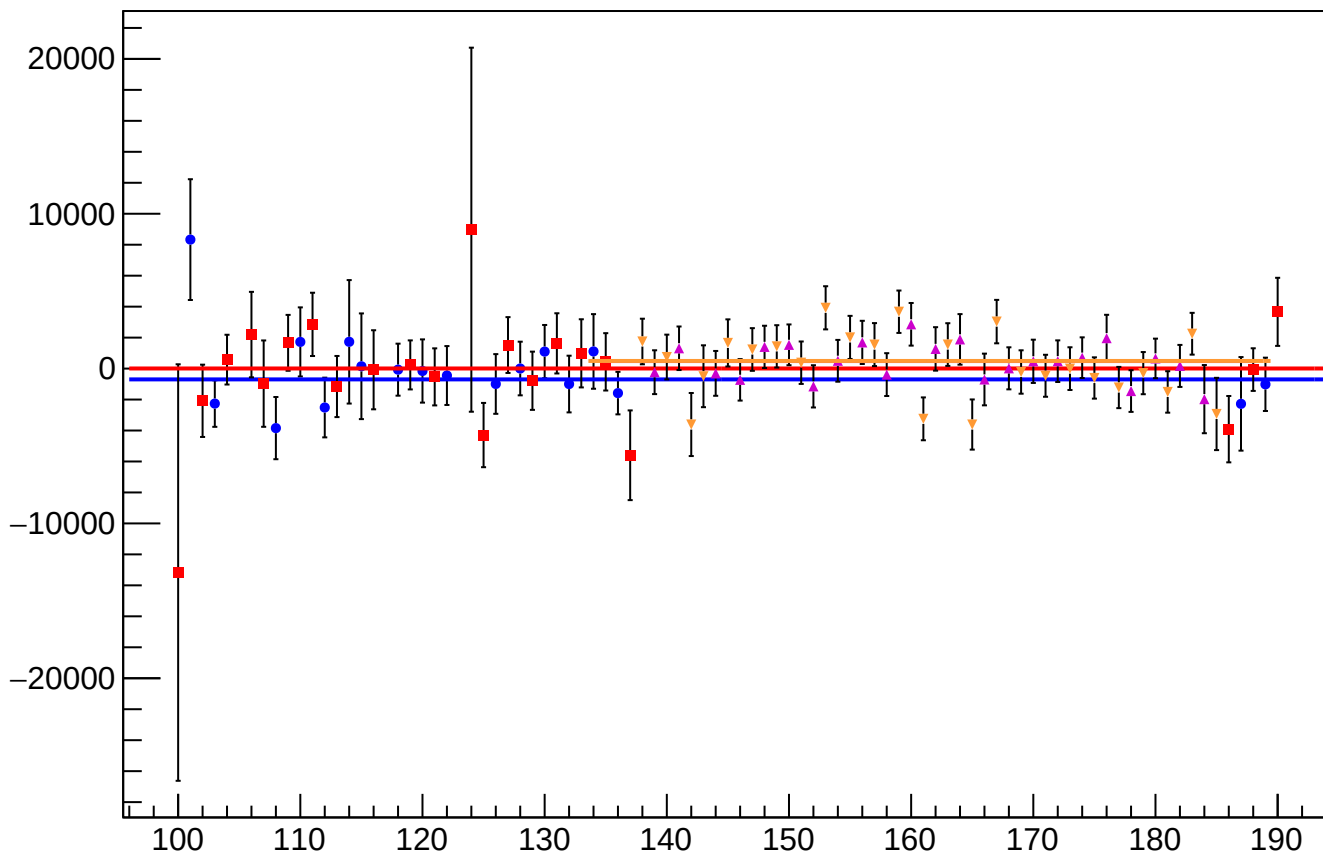
Left In: 4173.550+/-0.704 χ^2 /NDF: 1274967.5/22

+ sign 3647.593+/-0.516 χ^2 /NDF: 4140602.0/42

All: 3717.104+/-0.370 χ^2 /NDF: 7357585.2/87

- sign 3790.066+/-0.529 χ^2 /NDF: 3179848.9/44

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -698.399 ± 464.513 χ^2/NDF : 14.2/17

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 6.459 ± 440.651 χ^2/NDF : 22.4/21

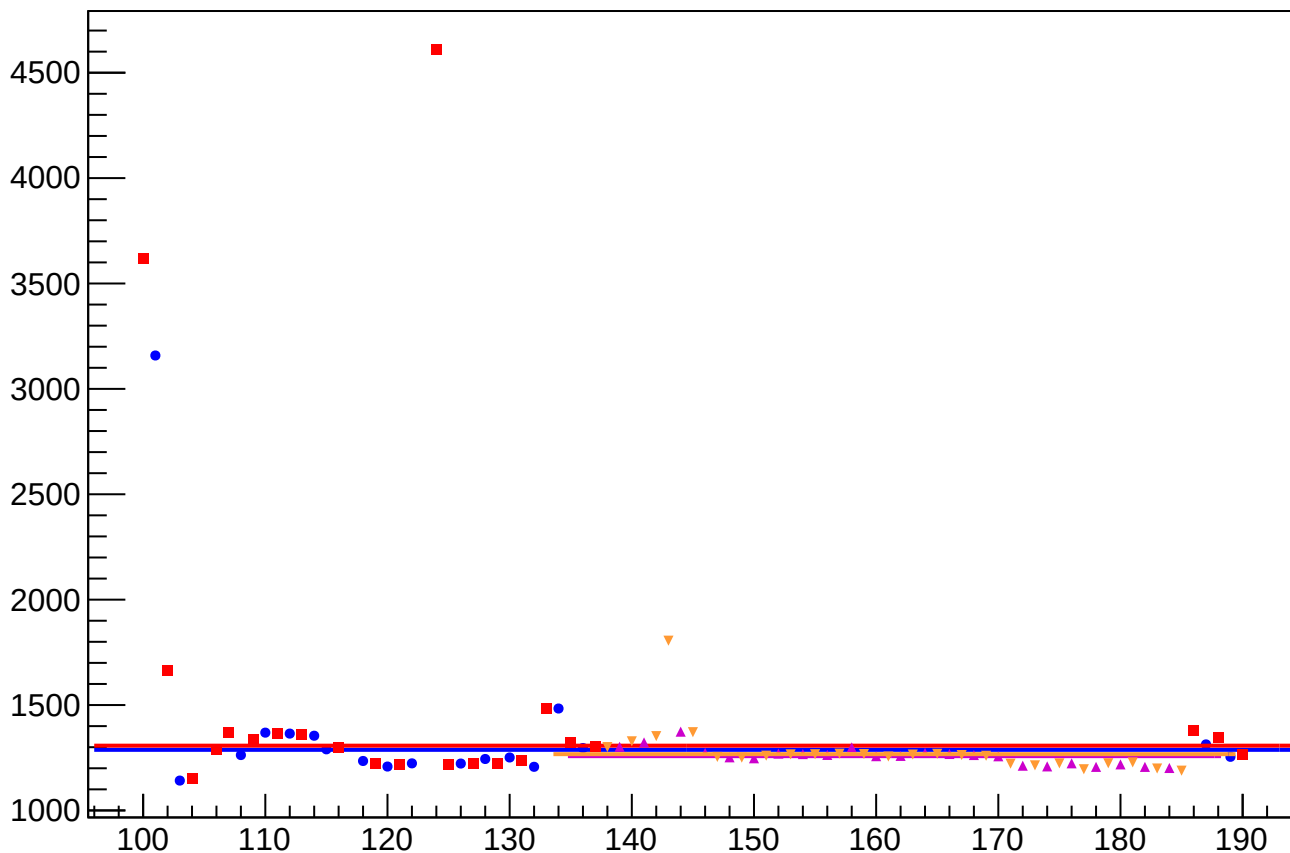
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 160.700 ± 245.075 χ^2/NDF : 65.8/42

All: 250.058 ± 173.066 χ^2/NDF : 103.8/87

- sign 338.947 ± 244.430 χ^2/NDF : 37.7/44

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.477 $\pm$ 0.328 χ^2 /NDF: 515592.2/17

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1307.272 $\pm$ 0.311 χ^2 /NDF: 330840.5/21

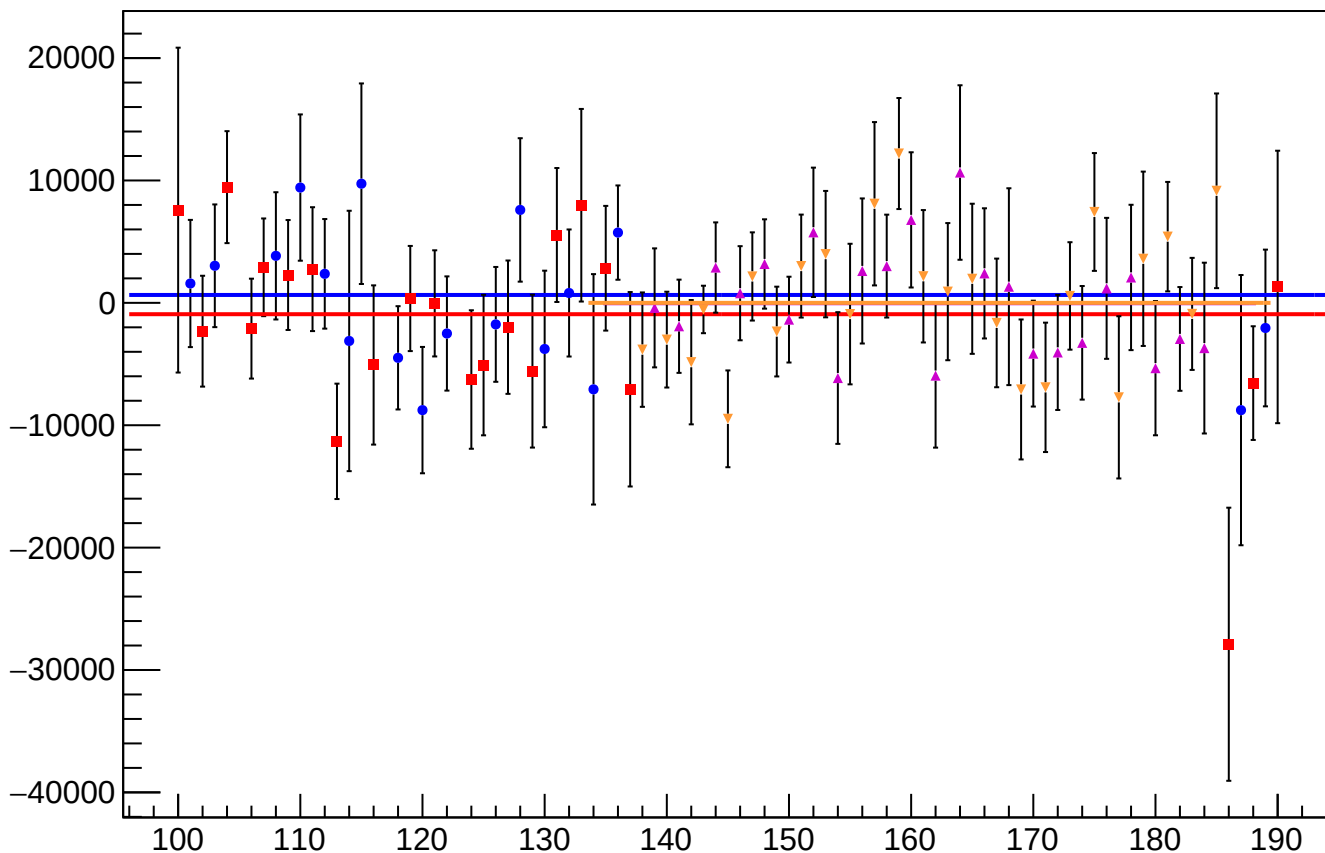
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1272.676 $\pm$ 0.173 χ^2 /NDF: 705951.4/42

All: 1272.780 $\pm$ 0.122 χ^2 /NDF: 1091274.1/87

- sign 1272.882 $\pm$ 0.173 χ^2 /NDF: 385322.0/44

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 644.987 ± 1288.480 $\chi^2/\text{NDF}: 15.0/17$

Left Out: -0.541 ± 886.487 $\chi^2/\text{NDF}: 29.1/24$

Right Out: -927.344 ± 1134.615 $\chi^2/\text{NDF}: 26.3/21$

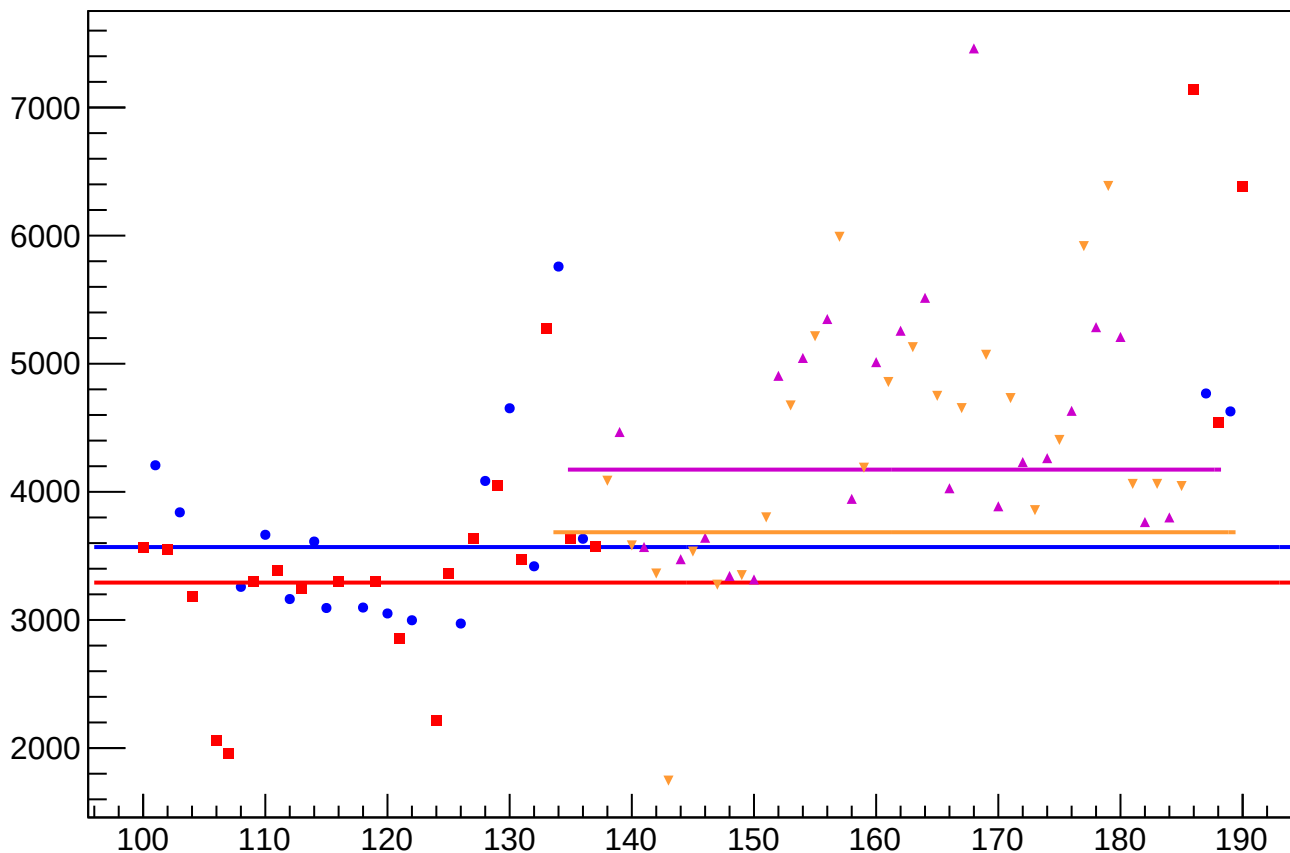
Left In: -31.597 ± 995.347 $\chi^2/\text{NDF}: 14.0/22$

+ sign 206.853 ± 730.329 $\chi^2/\text{NDF}: 44.2/42$

All: -99.544 ± 522.637 $\chi^2/\text{NDF}: 85.3/87$

- sign -421.151 ± 748.238 $\chi^2/\text{NDF}: 40.7/44$

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 3569.073+/-0.911 χ^2 /NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2 /NDF: 3693687.2/24

Right Out: 3291.760+/-0.802 χ^2 /NDF: 1222238.2/21

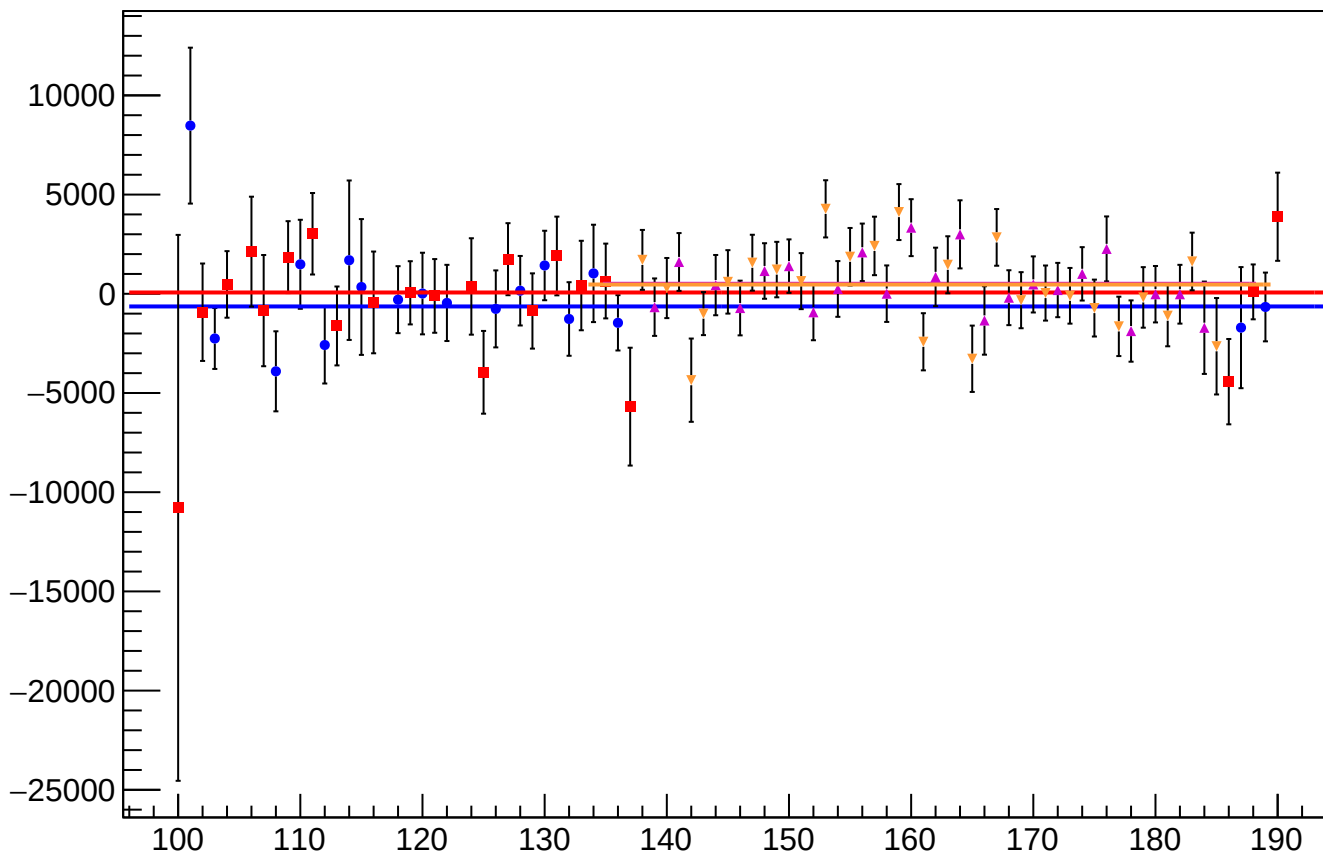
Left In: 4173.550+/-0.704 χ^2 /NDF: 1274967.5/22

+ sign 3647.593+/-0.516 χ^2 /NDF: 4140602.0/42

All: 3717.104+/-0.370 χ^2 /NDF: 7357585.2/87

- sign 3790.066+/-0.529 χ^2 /NDF: 3179848.9/44

dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -637.990 ± 469.578 χ^2/NDF : 14.2/17

Left Out: 467.929 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 65.657 ± 439.237 χ^2/NDF : 22.2/21

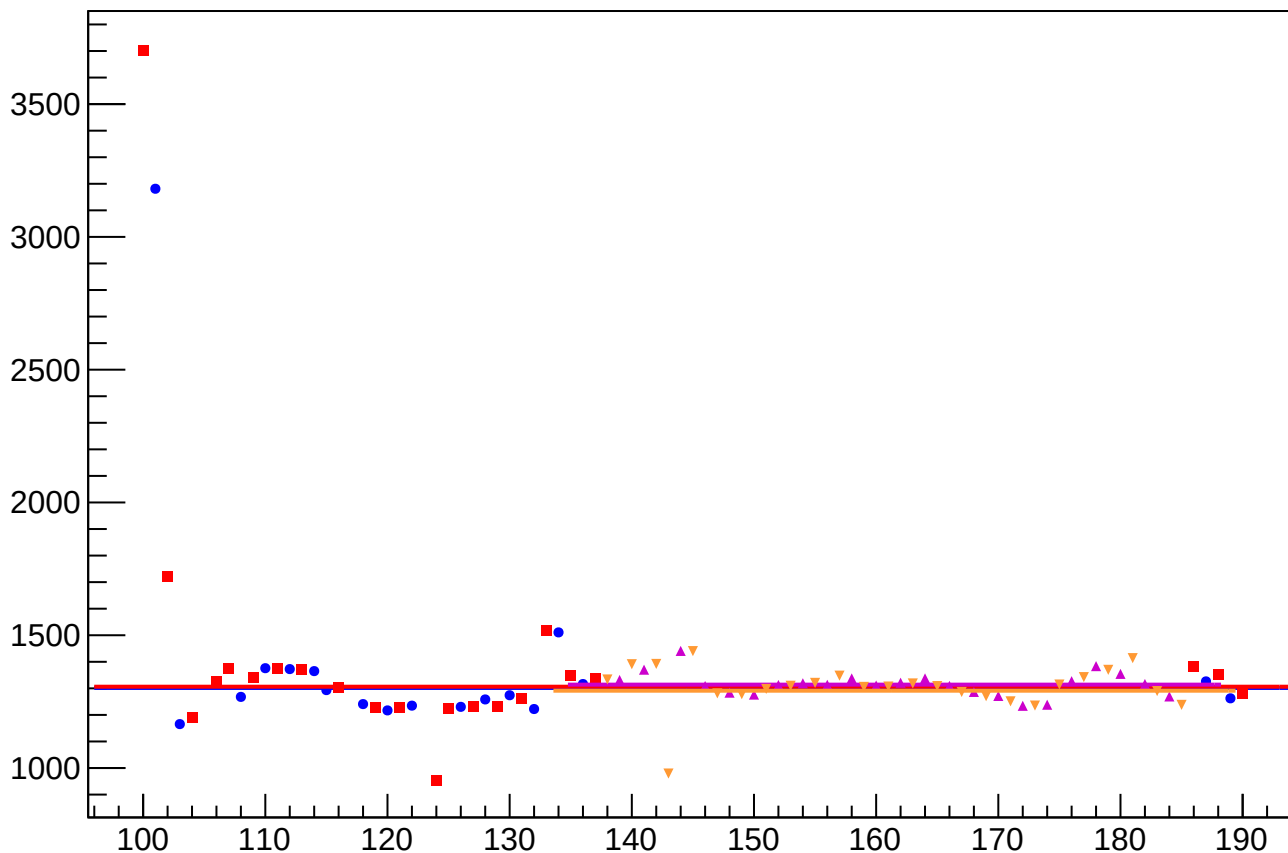
Left In: 503.558 ± 307.055 χ^2/NDF : 17.4/22

+ sign 156.104 ± 249.345 χ^2/NDF : 62.3/42

All: 257.015 ± 177.126 χ^2/NDF : 102.9/87

- sign 359.809 ± 251.660 χ^2/NDF : 40.3/44

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1301.572 $\pm$ 0.332 χ^2 /NDF: 511789.7/17

Left Out: 1291.211 $\pm$ 0.208 χ^2 /NDF: 230735.1/24

Right Out: 1306.216 $\pm$ 0.310 χ^2 /NDF: 218896.5/21

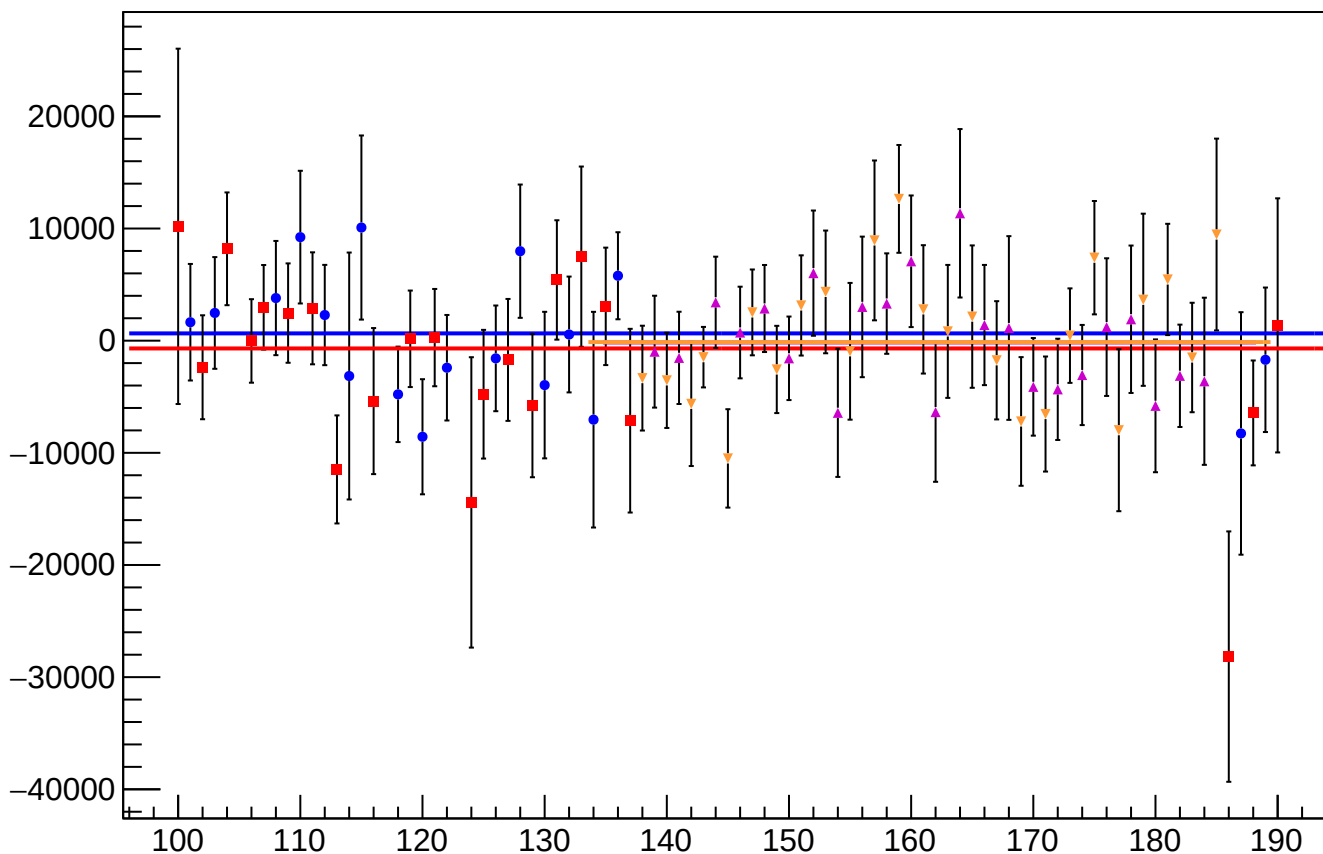
Left In: 1314.006 $\pm$ 0.217 χ^2 /NDF: 43044.7/22

+ sign 1294.132 $\pm$ 0.176 χ^2 /NDF: 743224.0/42

All: 1302.711 $\pm$ 0.125 χ^2 /NDF: 1010366.3/87

- sign 1311.447 $\pm$ 0.178 χ^2 /NDF: 262364.0/44

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug



Right In: 649.628 ± 1290.787 χ^2/NDF : 15.0/17

Left Out: -127.273 ± 977.231 χ^2/NDF : 28.6/24

Right Out: -693.747 ± 1150.121 χ^2/NDF : 24.7/21

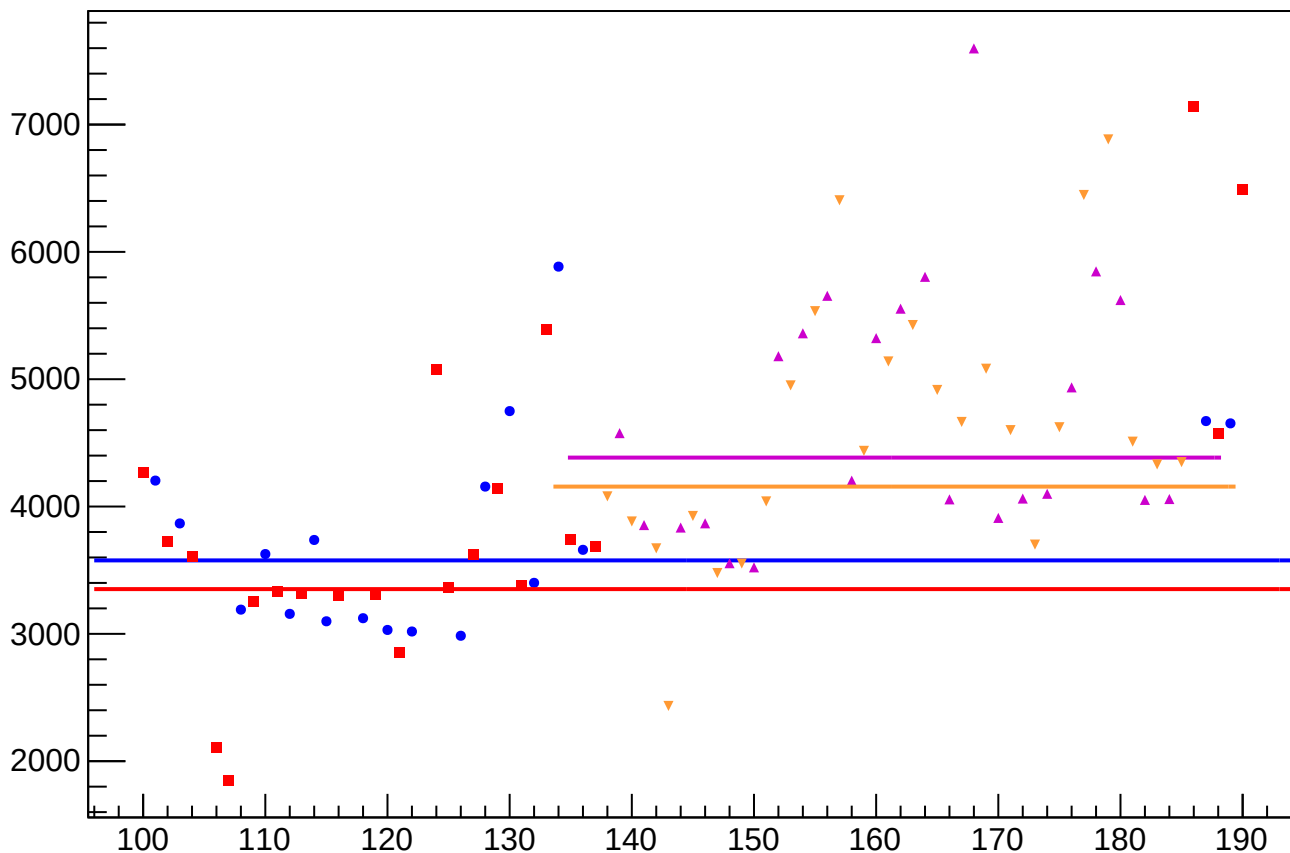
Left In: -159.452 ± 1045.510 χ^2/NDF : 13.8/22

+ sign 155.784 ± 779.128 χ^2/NDF : 43.8/42

All: -124.680 ± 548.974 χ^2/NDF : 82.7/87

- sign -401.201 ± 773.633 χ^2/NDF : 38.6/44

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3576.938 $\pm$ 0.913 χ^2/NDF : 455785.3/17

Left Out: 4156.582 $\pm$ 0.691 χ^2/NDF : 2080766.1/24

Right Out: 3351.477 $\pm$ 0.813 χ^2/NDF : 1327397.5/21

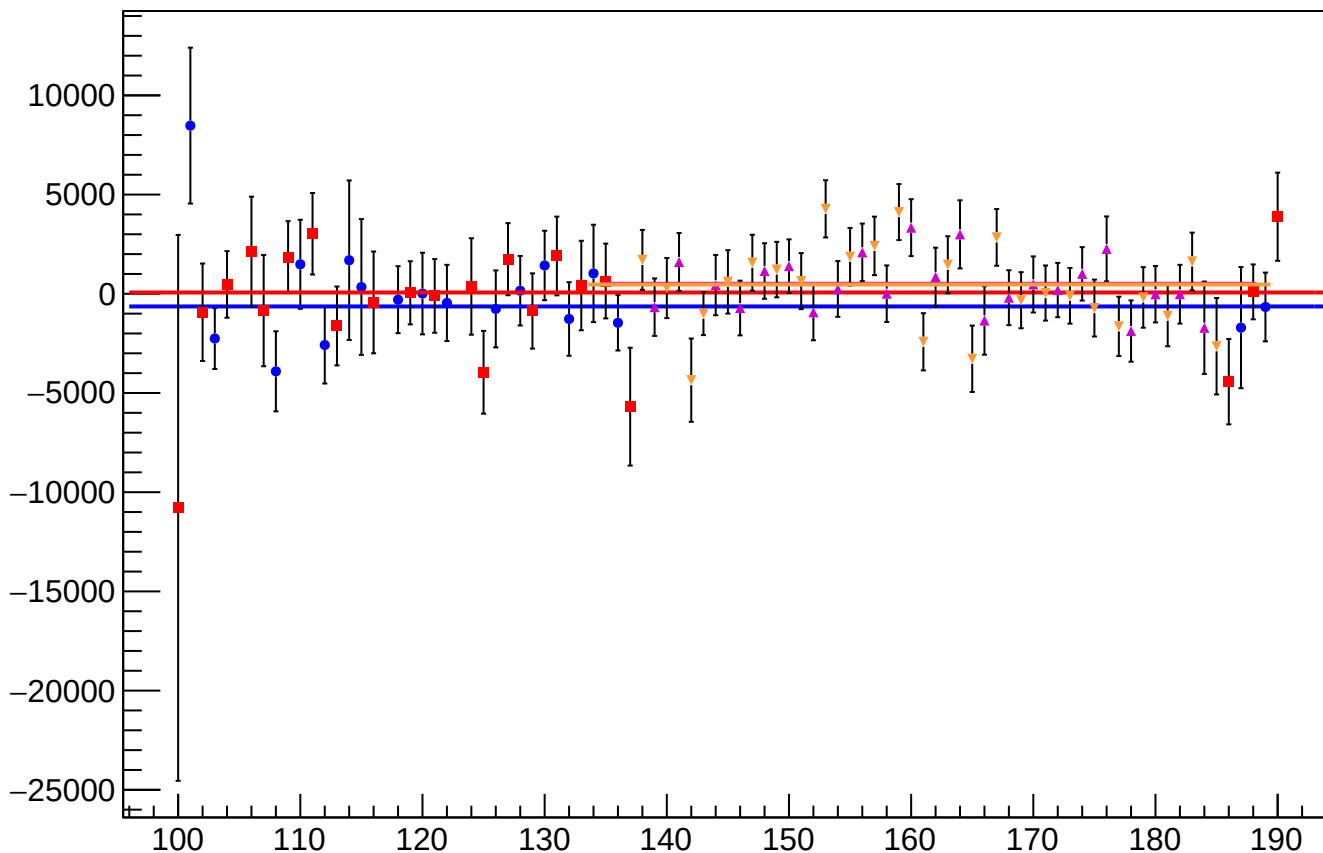
Left In: 4384.323 $\pm$ 0.739 χ^2/NDF : 1255470.8/22

+ sign 3945.393 $\pm$ 0.551 χ^2/NDF : 2792920.9/42

All: 3931.095 $\pm$ 0.388 χ^2/NDF : 6260263.4/87

- sign 3916.998 $\pm$ 0.547 χ^2/NDF : 3466004.9/44

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -637.994 ± 469.578 χ^2/NDF : 14.2/17

Left Out: 467.933 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 65.663 ± 439.237 χ^2/NDF : 22.2/21

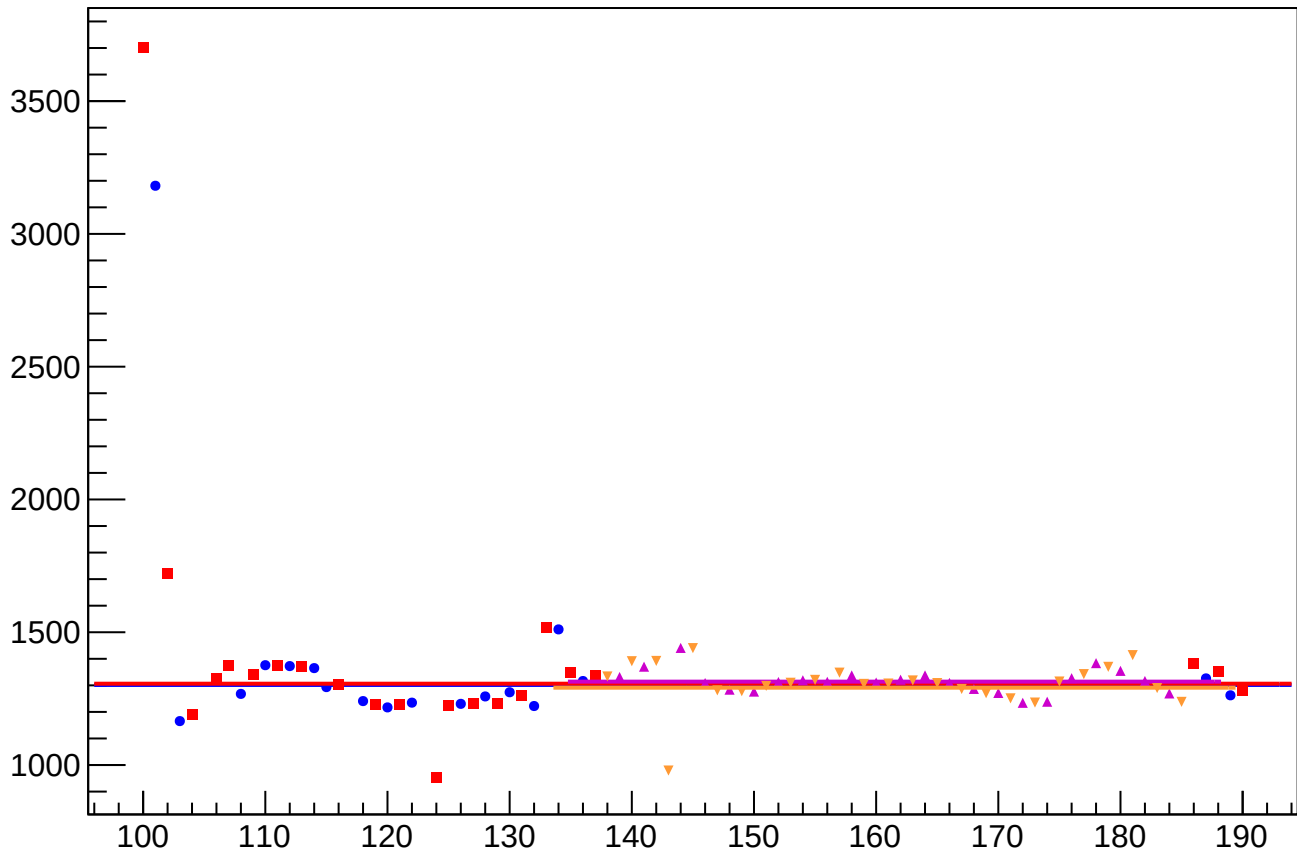
Left In: 503.558 ± 307.056 χ^2/NDF : 17.4/22

+ sign 156.106 ± 249.346 χ^2/NDF : 62.3/42

All: 257.017 ± 177.127 χ^2/NDF : 102.9/87

- sign 359.810 ± 251.660 χ^2/NDF : 40.3/44

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1301.572 $\pm$ 0.332 χ^2 /NDF: 511789.8/17

Left Out: 1291.212 $\pm$ 0.208 χ^2 /NDF: 230737.6/24

Right Out: 1306.216 $\pm$ 0.310 χ^2 /NDF: 218896.6/21

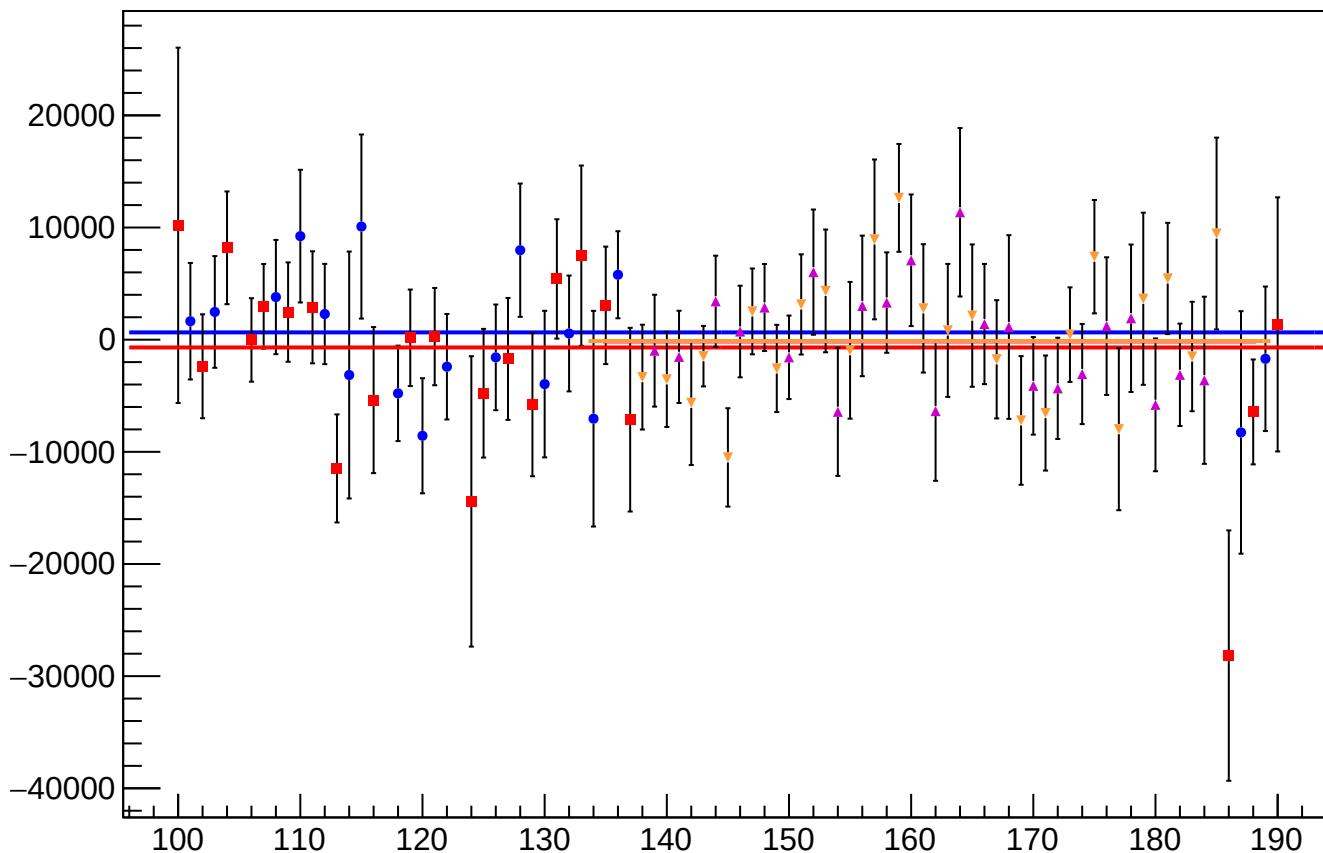
Left In: 1314.007 $\pm$ 0.217 χ^2 /NDF: 43046.8/22

+ sign 1294.133 $\pm$ 0.176 χ^2 /NDF: 743226.4/42

All: 1302.712 $\pm$ 0.125 χ^2 /NDF: 1010371.1/87

- sign 1311.448 $\pm$ 0.178 χ^2 /NDF: 262366.4/44

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 649.619 ± 1290.784 χ^2/NDF : 15.0/17

Left Out: -127.271 ± 977.232 χ^2/NDF : 28.6/24

Right Out: -693.740 ± 1150.118 χ^2/NDF : 24.7/21

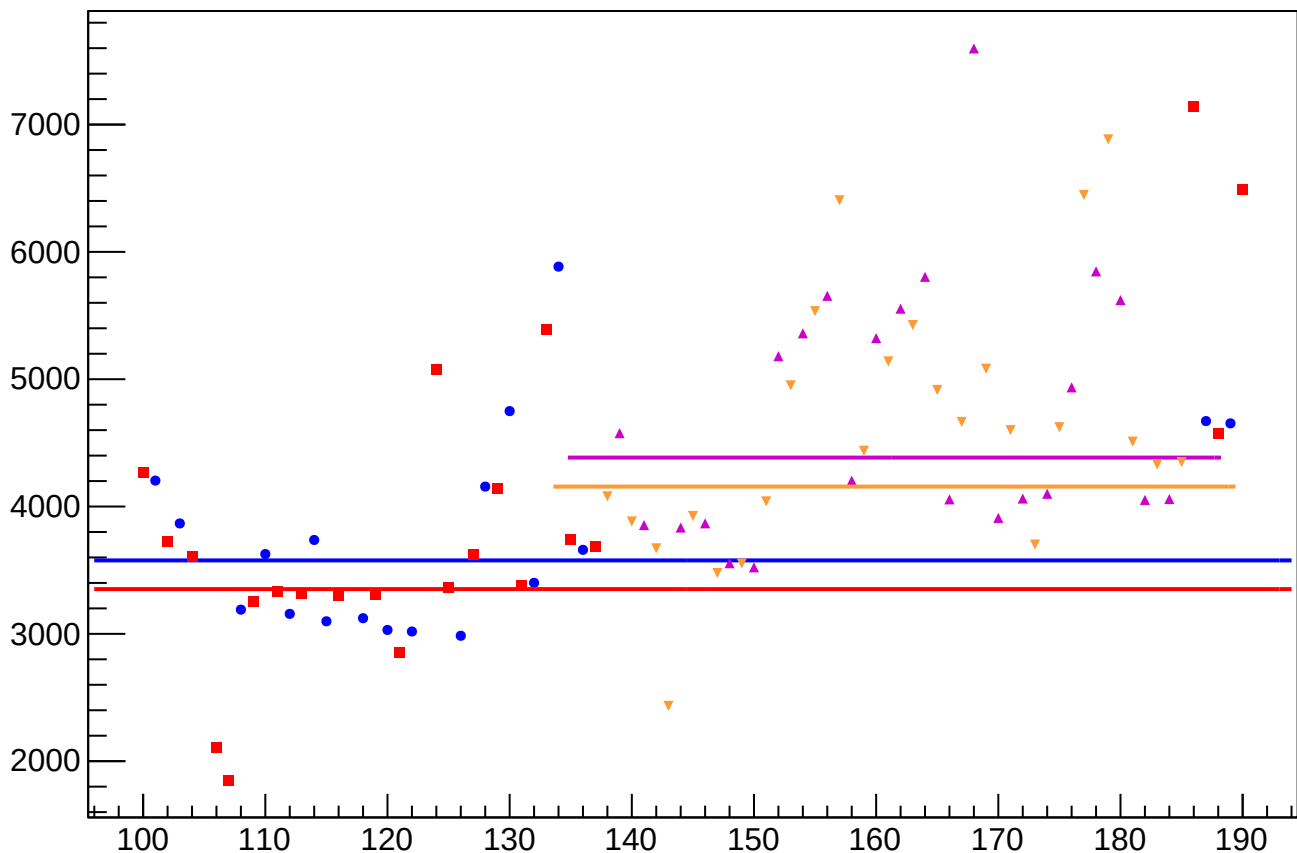
Left In: -159.454 ± 1045.511 χ^2/NDF : 13.8/22

+ sign 155.784 ± 779.129 χ^2/NDF : 43.8/42

All: -124.679 ± 548.974 χ^2/NDF : 82.7/87

- sign -401.200 ± 773.633 χ^2/NDF : 38.6/44

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 3576.930 $\pm$ 0.913 χ^2 /NDF: 455791.5/17

Left Out: 4156.588 $\pm$ 0.691 χ^2 /NDF:2080769.0/24

Right Out: 3351.469 $\pm$ 0.813 χ^2 /NDF: 1327403.2/21

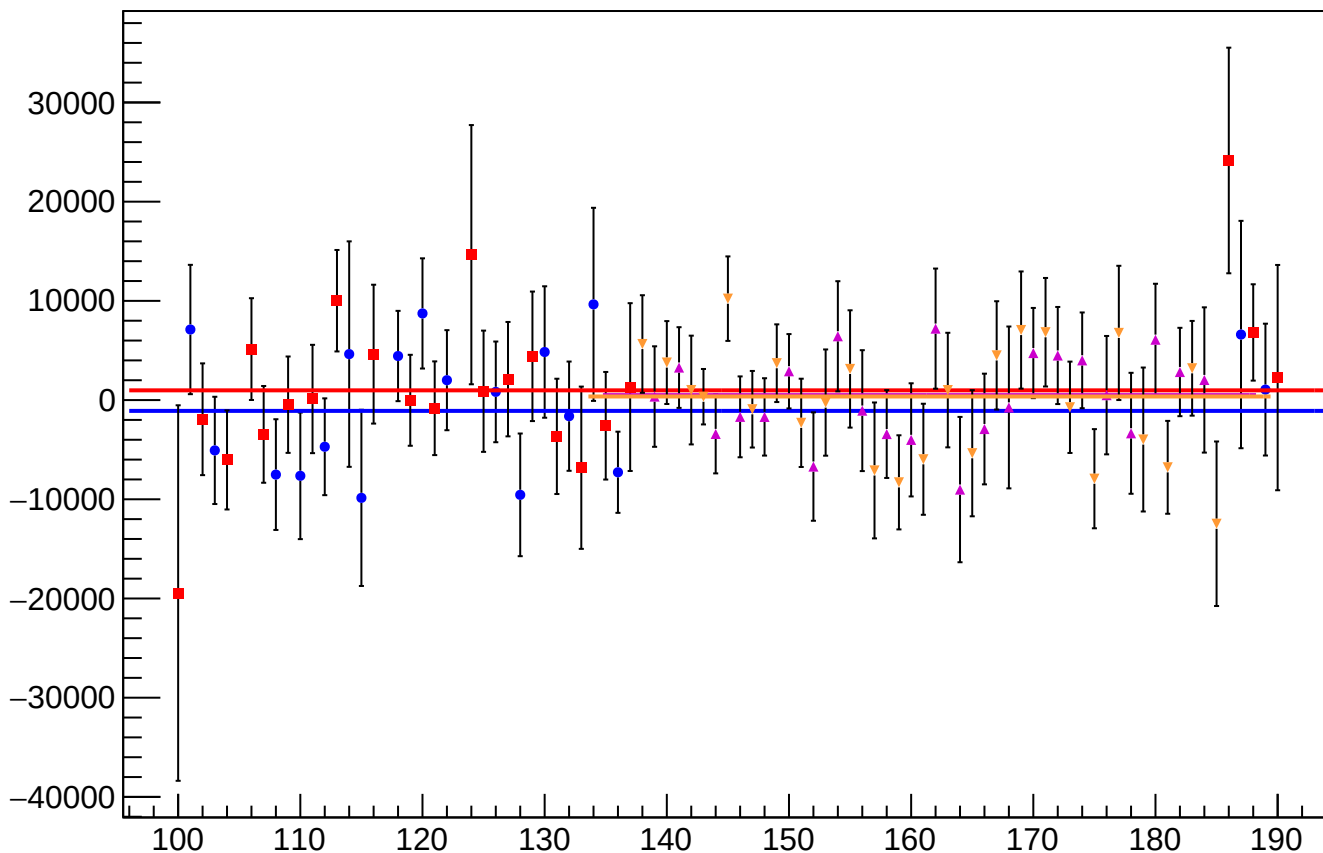
Left In: 4384.329 $\pm$ 0.739 χ^2 /NDF:1255475.0/22

+ sign 3945.393 $\pm$ 0.551 χ^2 /NDF: 2792943.8/42

All: 3931.095 $\pm$ 0.388 χ^2 /NDF: 6260321.7/87

- sign 3916.997 $\pm$ 0.547 χ^2 /NDF: 3466040.1/44

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1089.614 ± 1389.186 χ^2/NDF : 18.2/17

Left Out: 362.528 ± 979.860 χ^2/NDF : 27.7/24

Right Out: 981.085 ± 1271.948 χ^2/NDF : 17.6/21

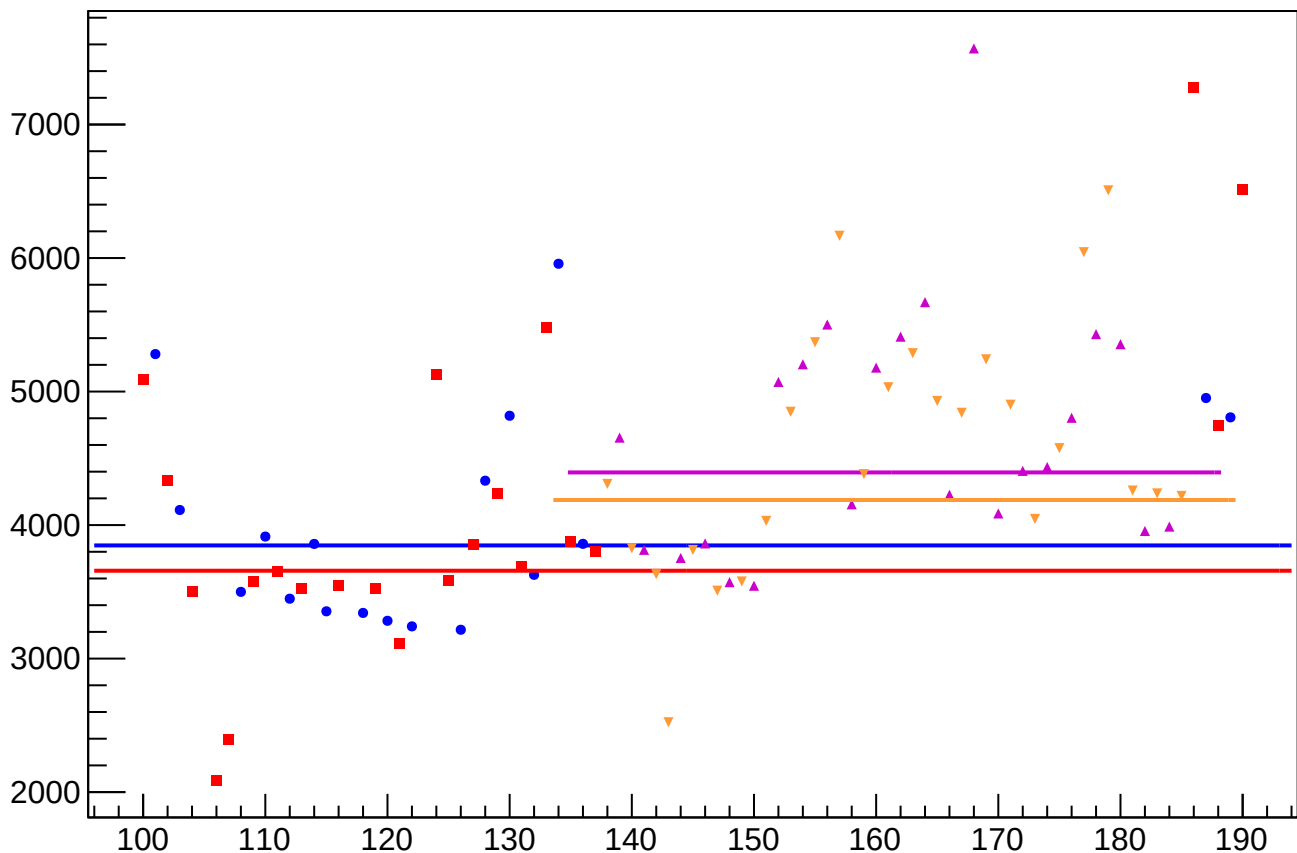
Left In: 497.522 ± 1044.707 χ^2/NDF : 13.9/22

+ sign -119.914 ± 800.716 χ^2/NDF : 46.5/42

All: 282.876 ± 568.507 χ^2/NDF : 78.6/87

- sign 692.323 ± 807.306 χ^2/NDF : 31.6/44

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3847.536 $\pm$ 0.982 χ^2 /NDF: 446964.5/17

Left Out: 4187.848 $\pm$ 0.693 χ^2 /NDF:1796345.9/24

Right Out: 3658.073 $\pm$ 0.888 χ^2 /NDF: 1049184.6/21

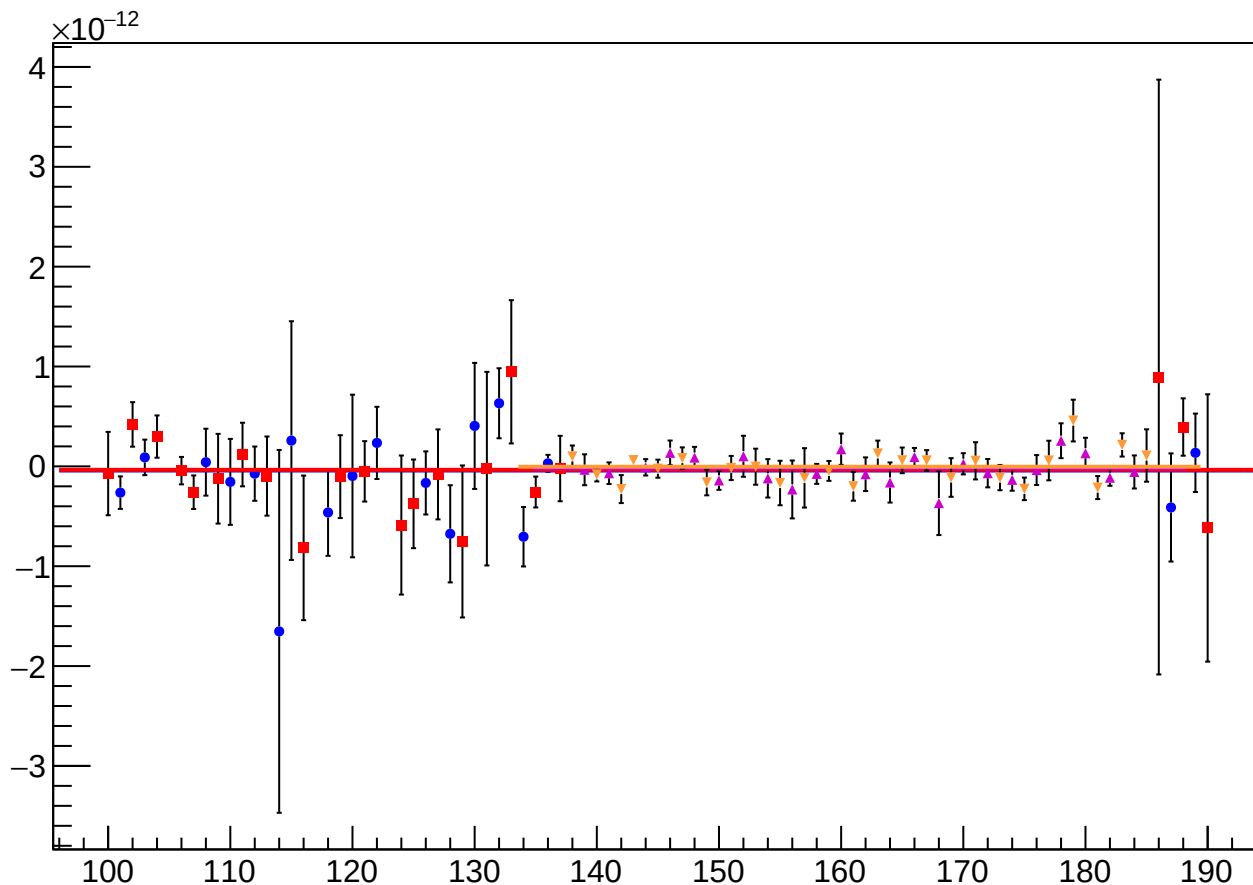
Left In: 4394.324 $\pm$ 0.739 χ^2 /NDF:1088394.9/22

+ sign 4074.786 $\pm$ 0.566 χ^2 /NDF: 2323459.3/42

All: 4084.017 $\pm$ 0.401 χ^2 /NDF: 4867696.9/87

- sign 4093.306 $\pm$ 0.568 χ^2 /NDF: 2543704.3/44

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF : 30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF : 18.5/21

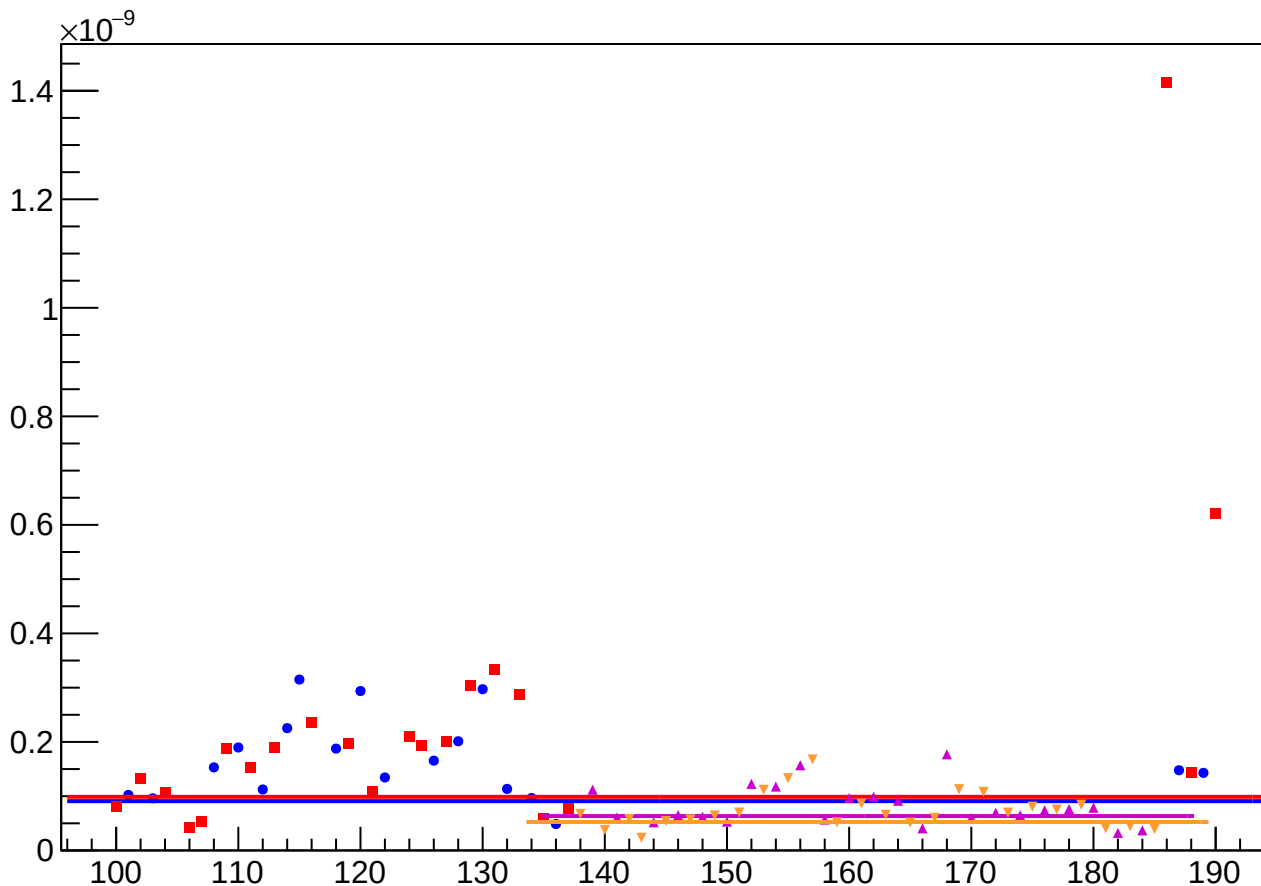
Left In: -0.000+/-0.000 χ^2/NDF : 17.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 48.1/42

All: -0.000+/-0.000 χ^2/NDF : 83.9/87

- sign -0.000+/-0.000 χ^2/NDF : 35.5/44

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2486687.4/21

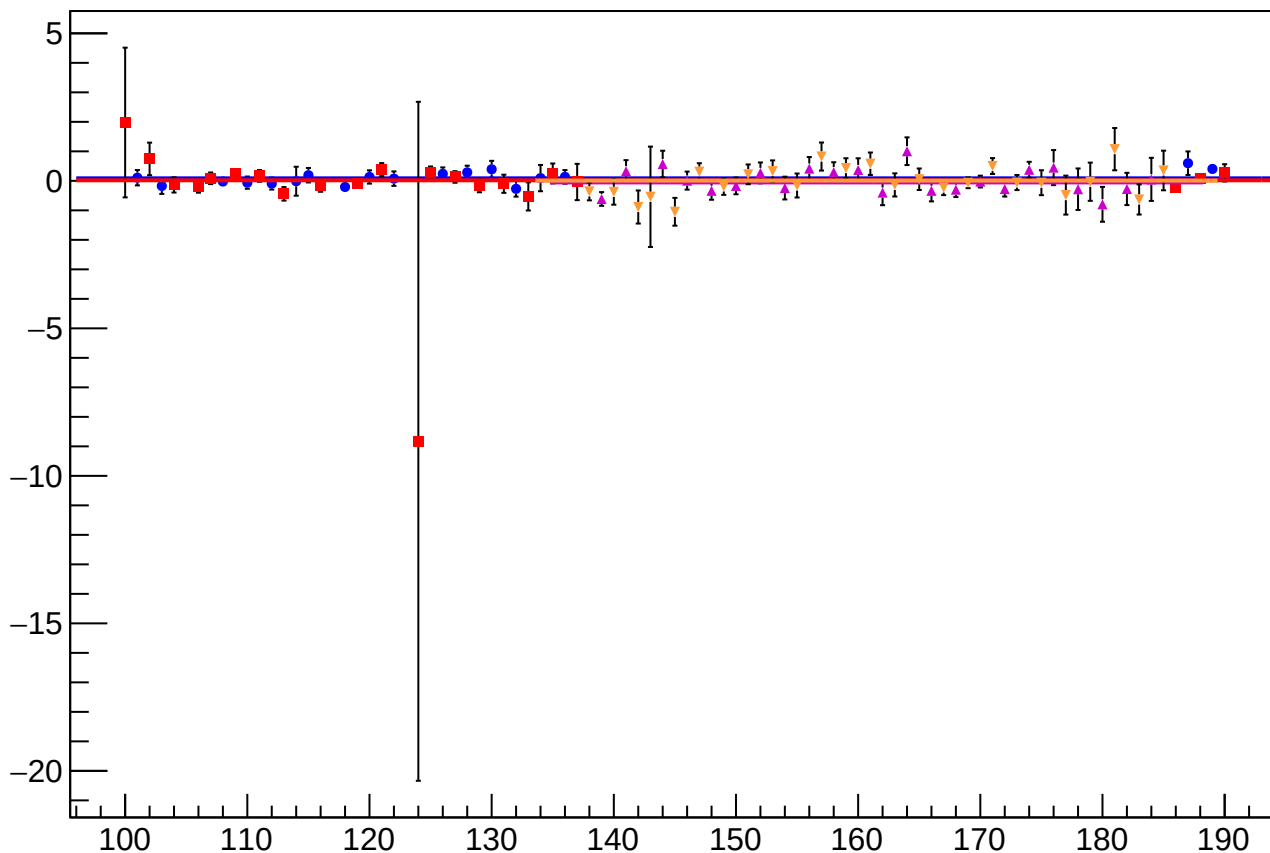
Left In: 0.000+/-0.000 χ^2/NDF : 1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 4910675.9/42

All: 0.000+/-0.000 χ^2/NDF : 9988043.9/87

- sign 0.000+/-0.000 χ^2/NDF : 4825437.8/44

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

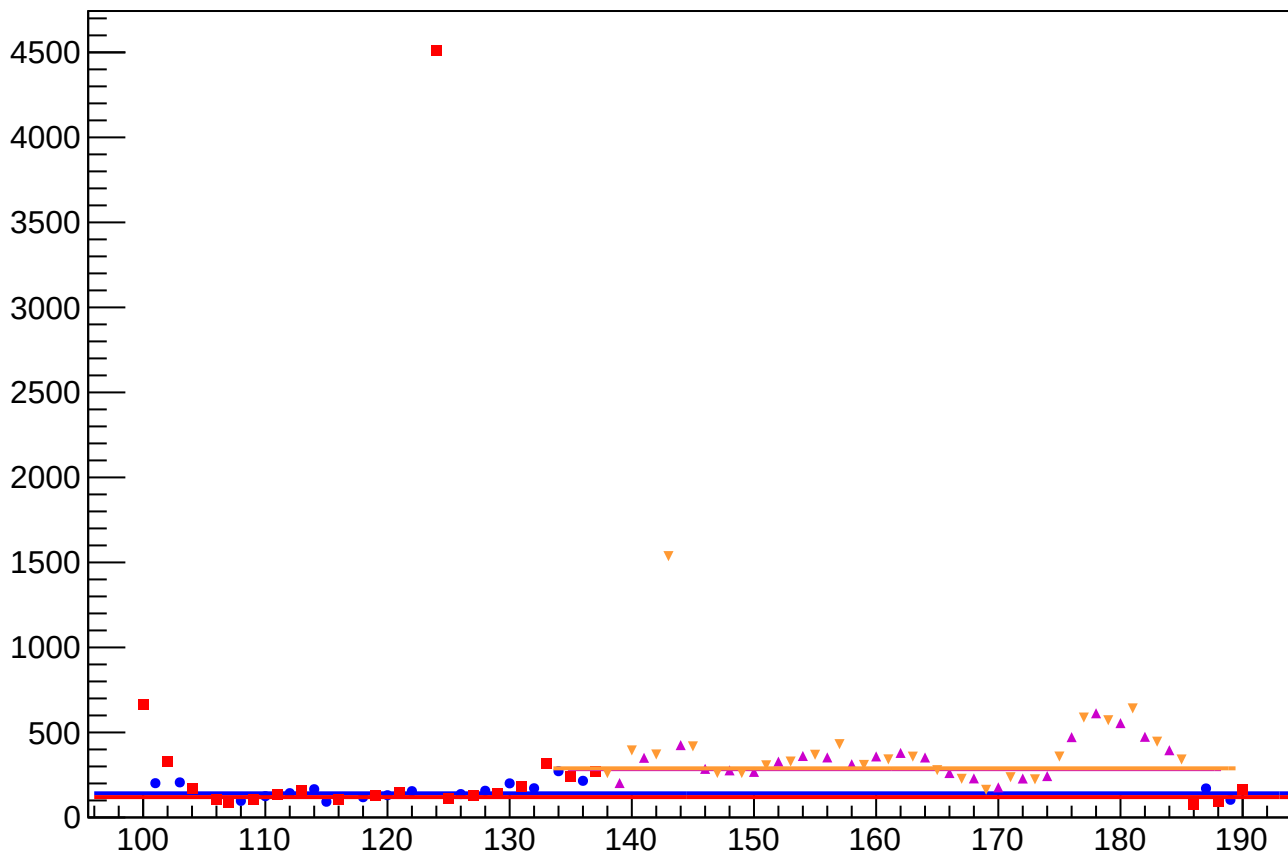
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 141.924 $\pm$ 0.038 χ^2 /NDF: 1149472.7/17

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 119.636 $\pm$ 0.031 χ^2 /NDF: 2197259.6/21

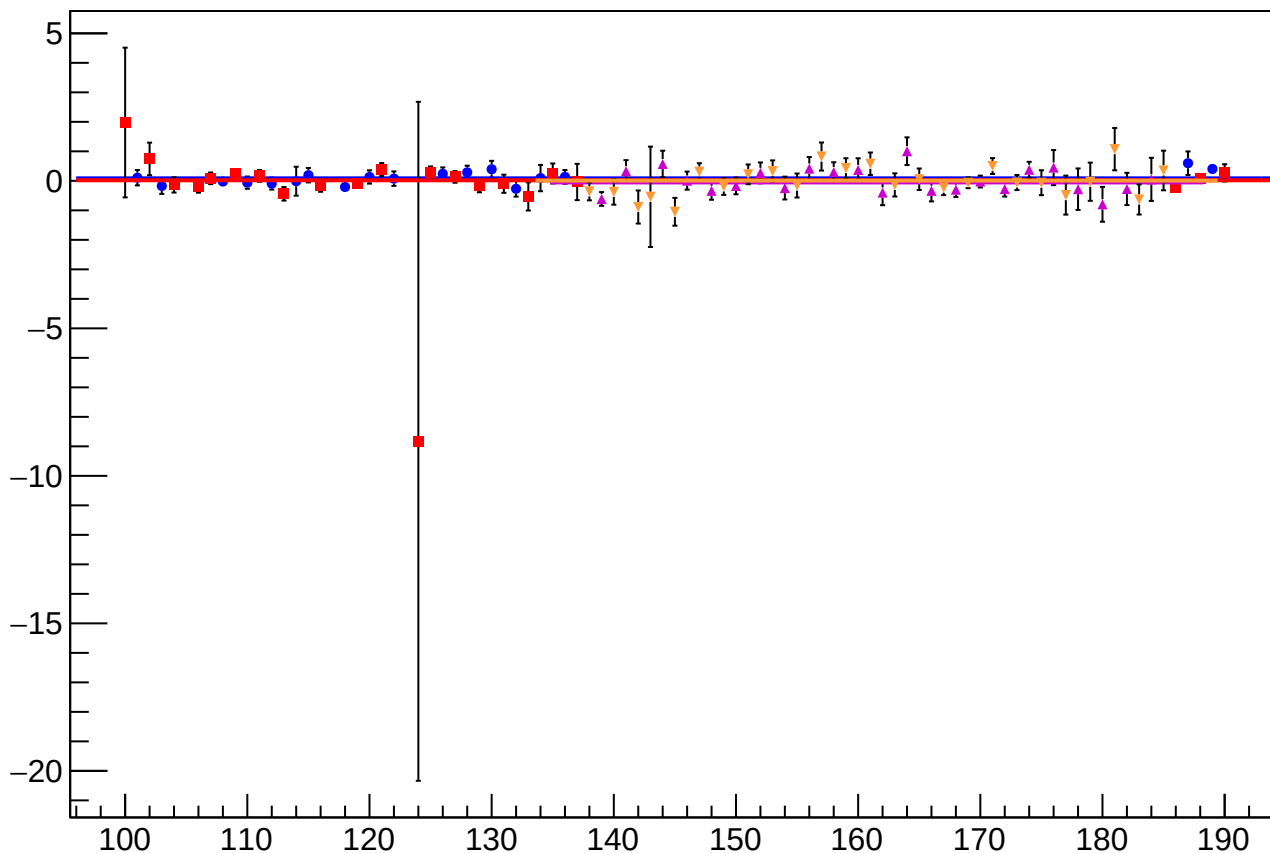
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 195.074 $\pm$ 0.030 χ^2 /NDF: 11268159.1/42

All: 178.852 $\pm$ 0.020 χ^2 /NDF: 24876570.4/87

- sign 166.337 $\pm$ 0.027 χ^2 /NDF: 13097163.0/44

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

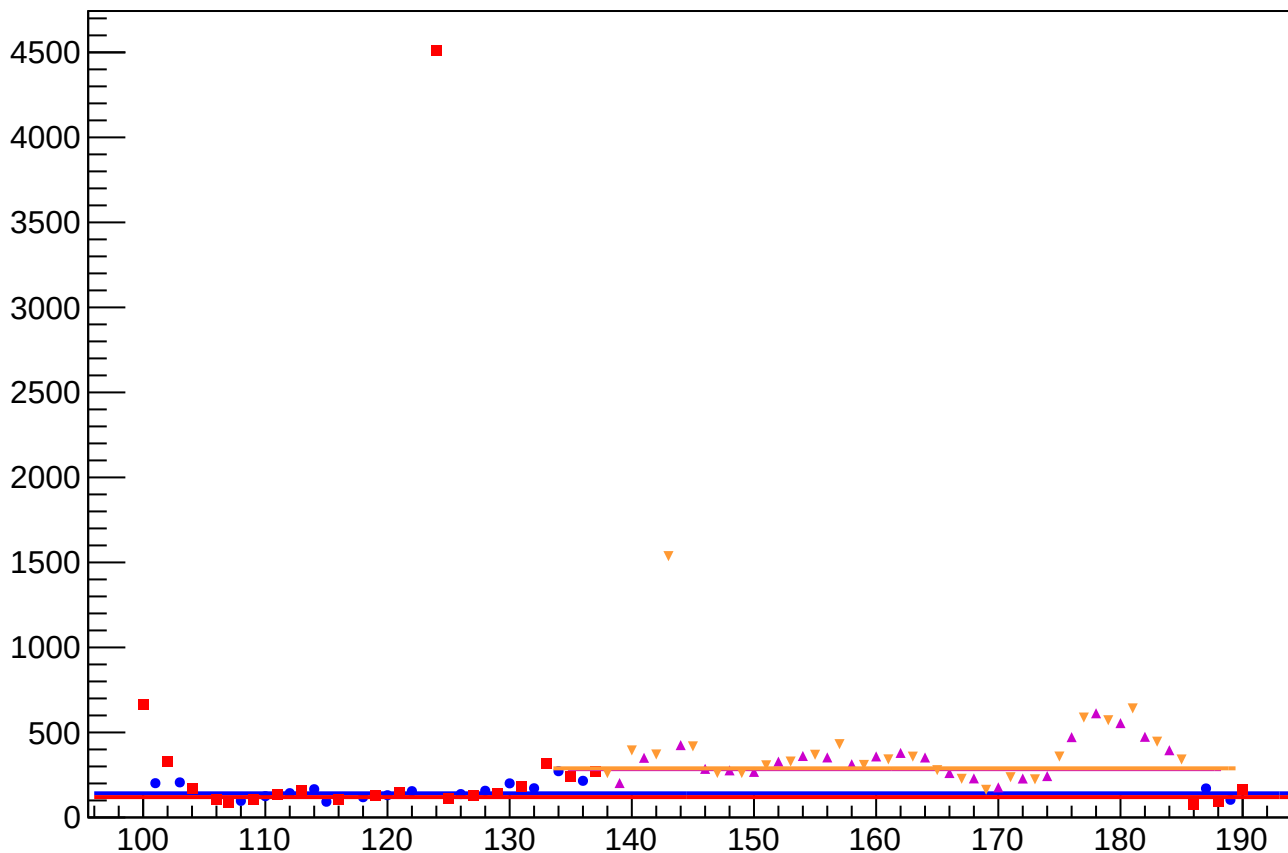
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.924 $\pm$ 0.038 χ^2 /NDF: 1149472.7/17

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 119.636 $\pm$ 0.031 χ^2 /NDF: 2197259.6/21

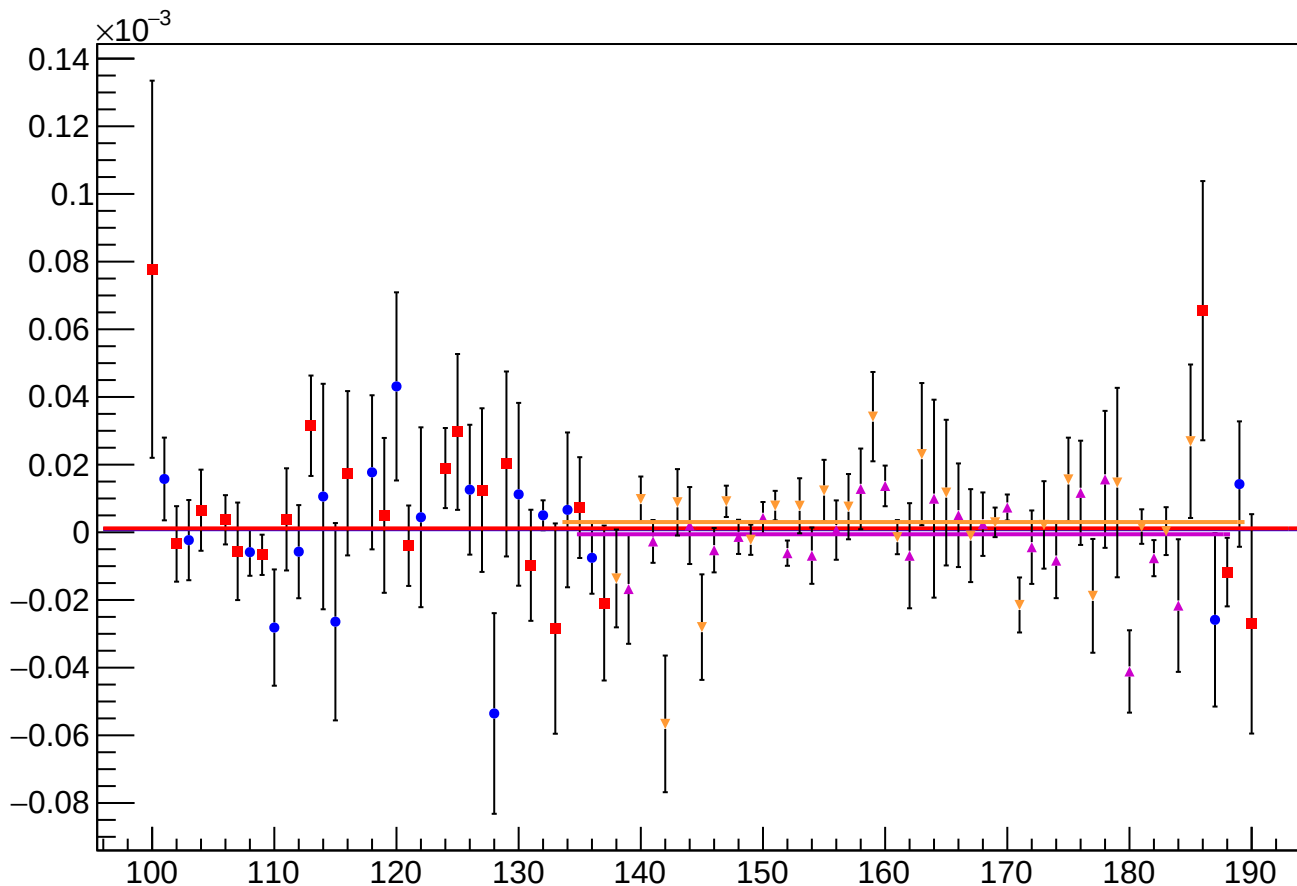
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 195.074 $\pm$ 0.030 χ^2 /NDF: 11268159.1/42

All: 178.852 $\pm$ 0.020 χ^2 /NDF: 24876570.4/87

- sign 166.337 $\pm$ 0.027 χ^2 /NDF: 13097163.0/44

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 42.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/21

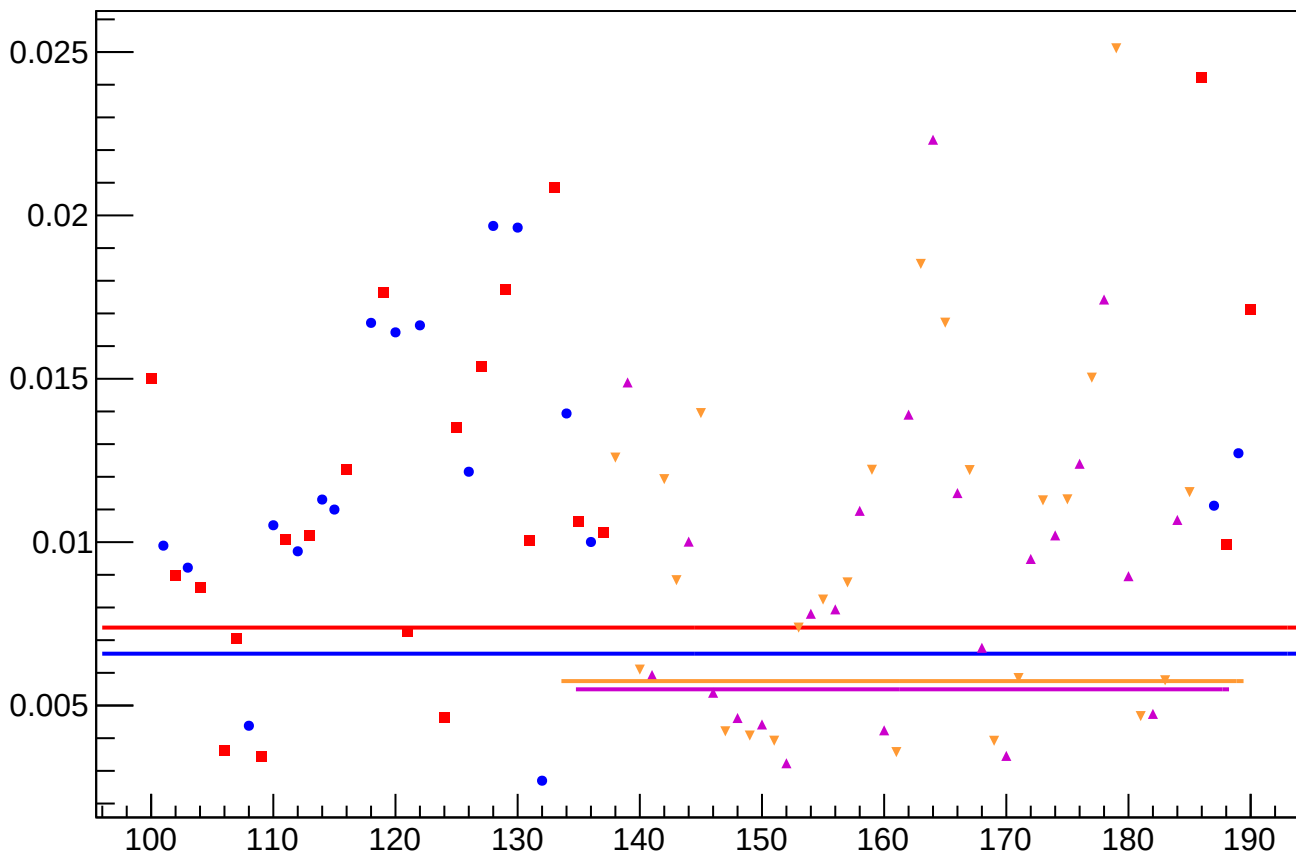
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 59.1/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 116.1/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 54.8/44

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF :8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4140336.3/21

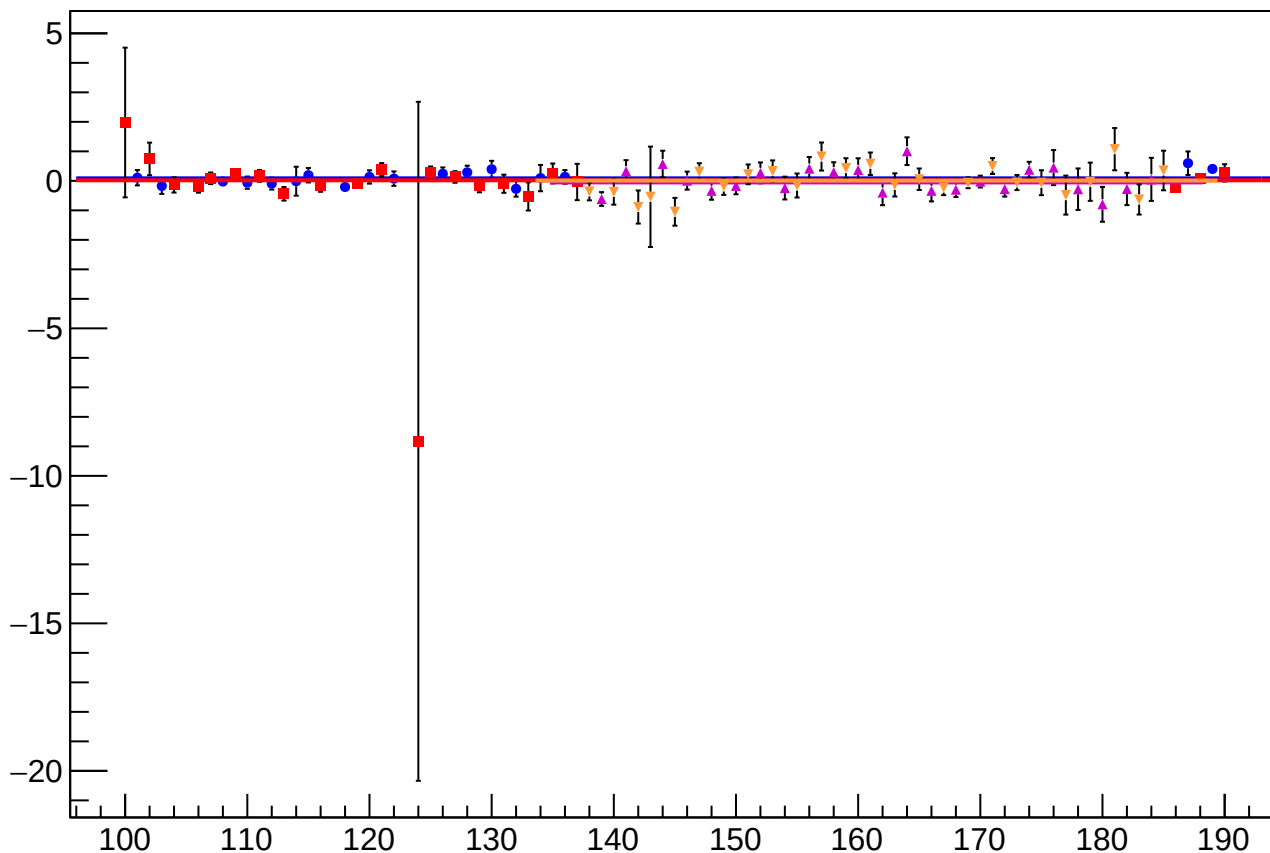
Left In: 0.005+/-0.000 χ^2/NDF :6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF : 13193582.6/42

All: 0.006+/-0.000 χ^2/NDF : 24949544.1/87

- sign 0.006+/-0.000 χ^2/NDF : 11755665.8/44

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

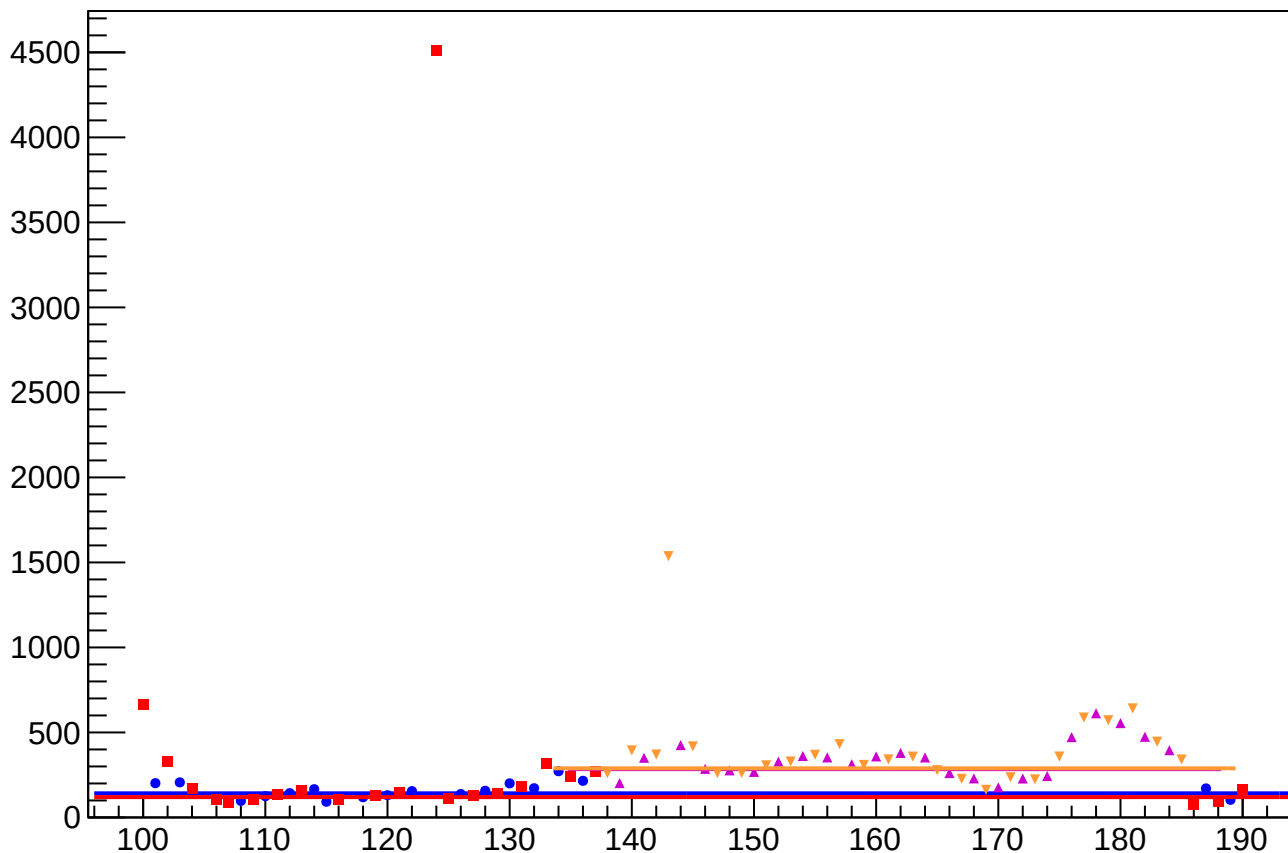
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 141.923+/-0.038 χ^2/NDF : 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF : 2197111.3/21

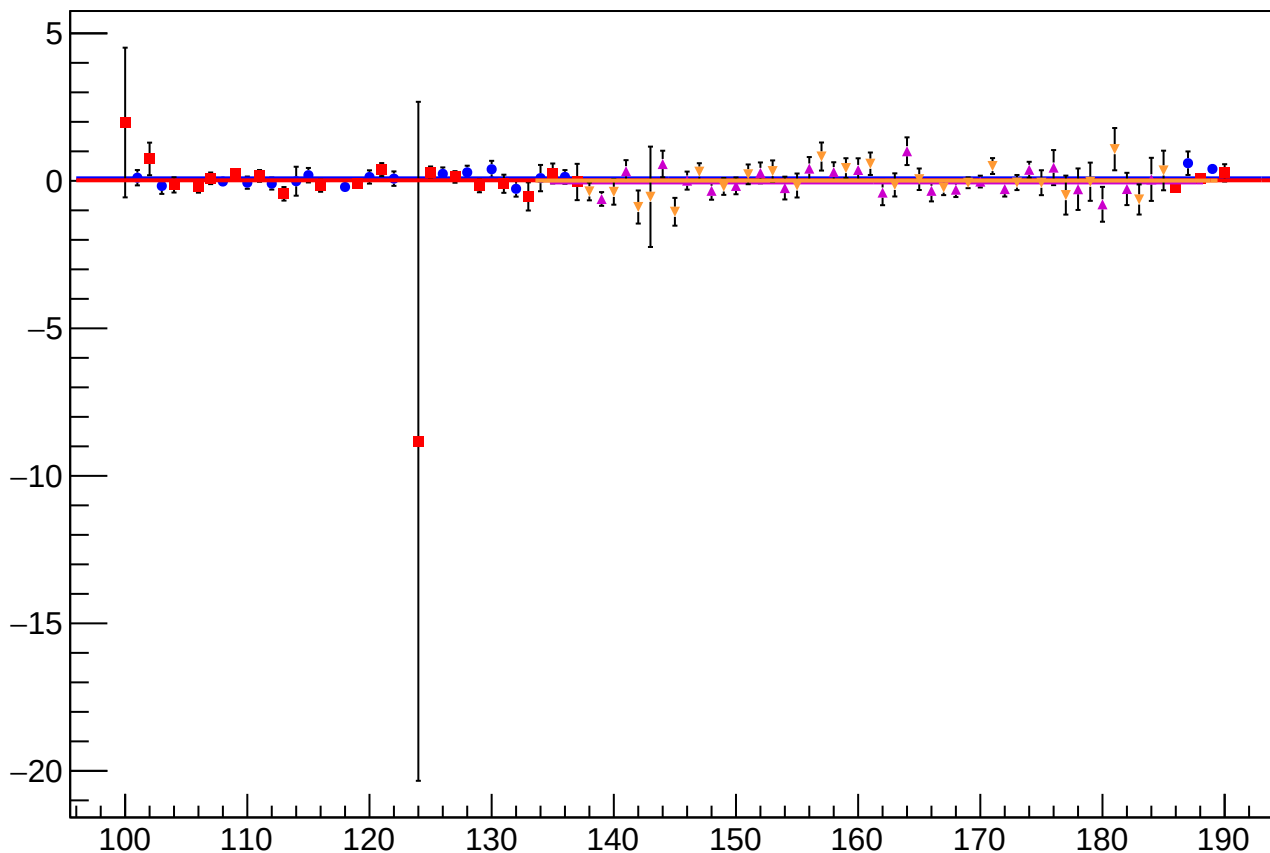
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF : 11268366.3/42

All: 178.853+/-0.020 χ^2/NDF : 24876501.4/87

- sign 166.339+/-0.027 χ^2/NDF : 13096983.9/44

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

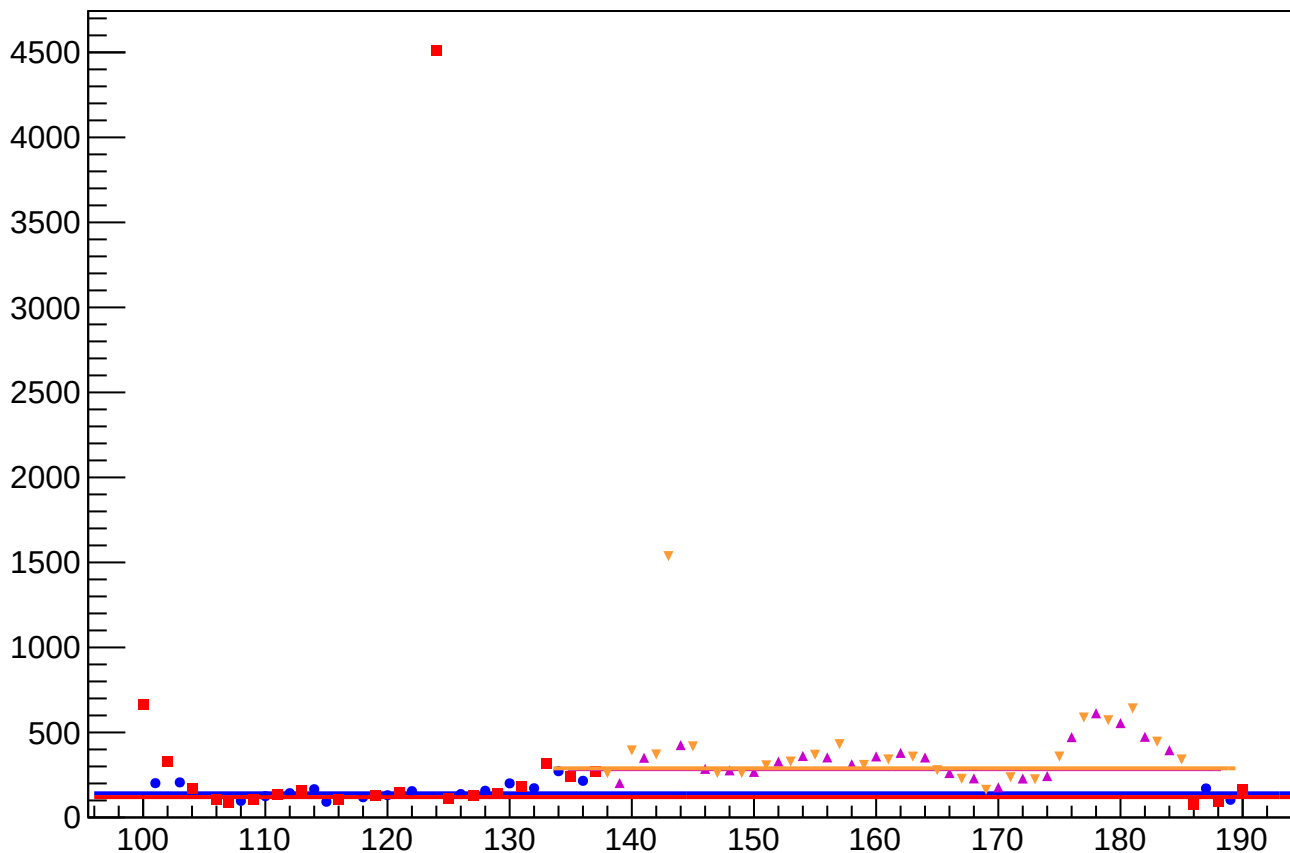
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.923+/-0.038 χ^2/NDF : 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF : 2197111.3/21

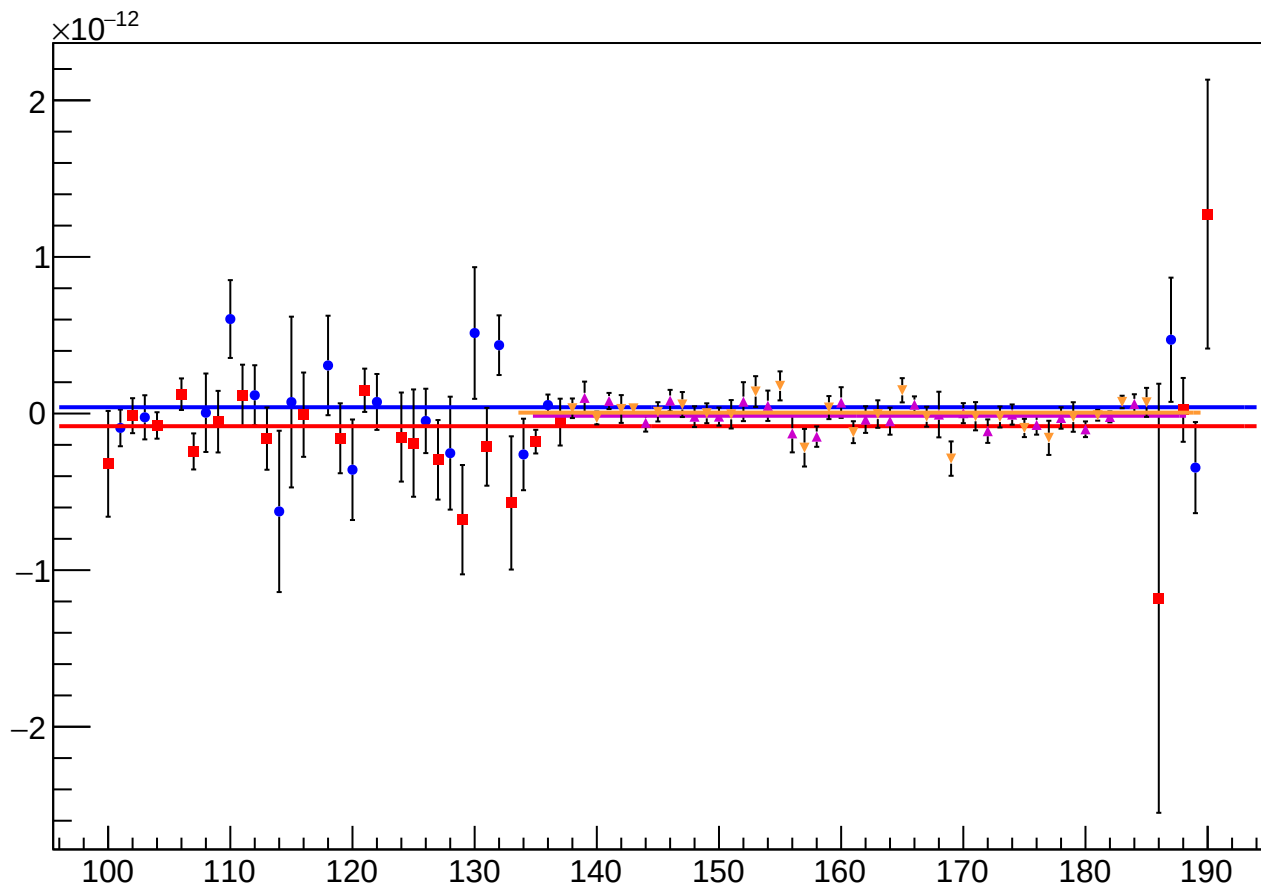
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF : 11268366.3/42

All: 178.853+/-0.020 χ^2/NDF : 24876501.4/87

- sign 166.339+/-0.027 χ^2/NDF : 13096983.9/44

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 34.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.6/21

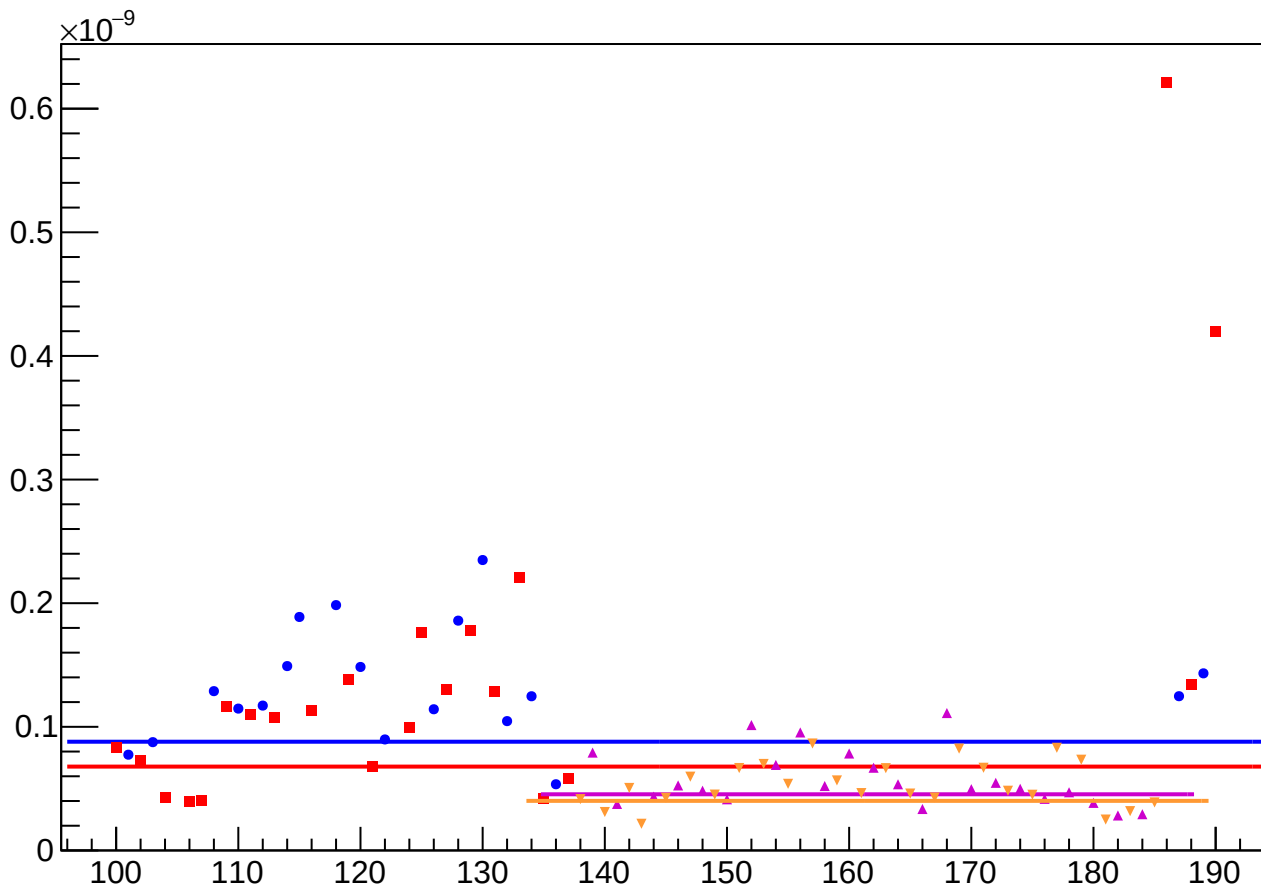
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 23.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.7/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 108.3/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 48.2/44

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3047292.4/21

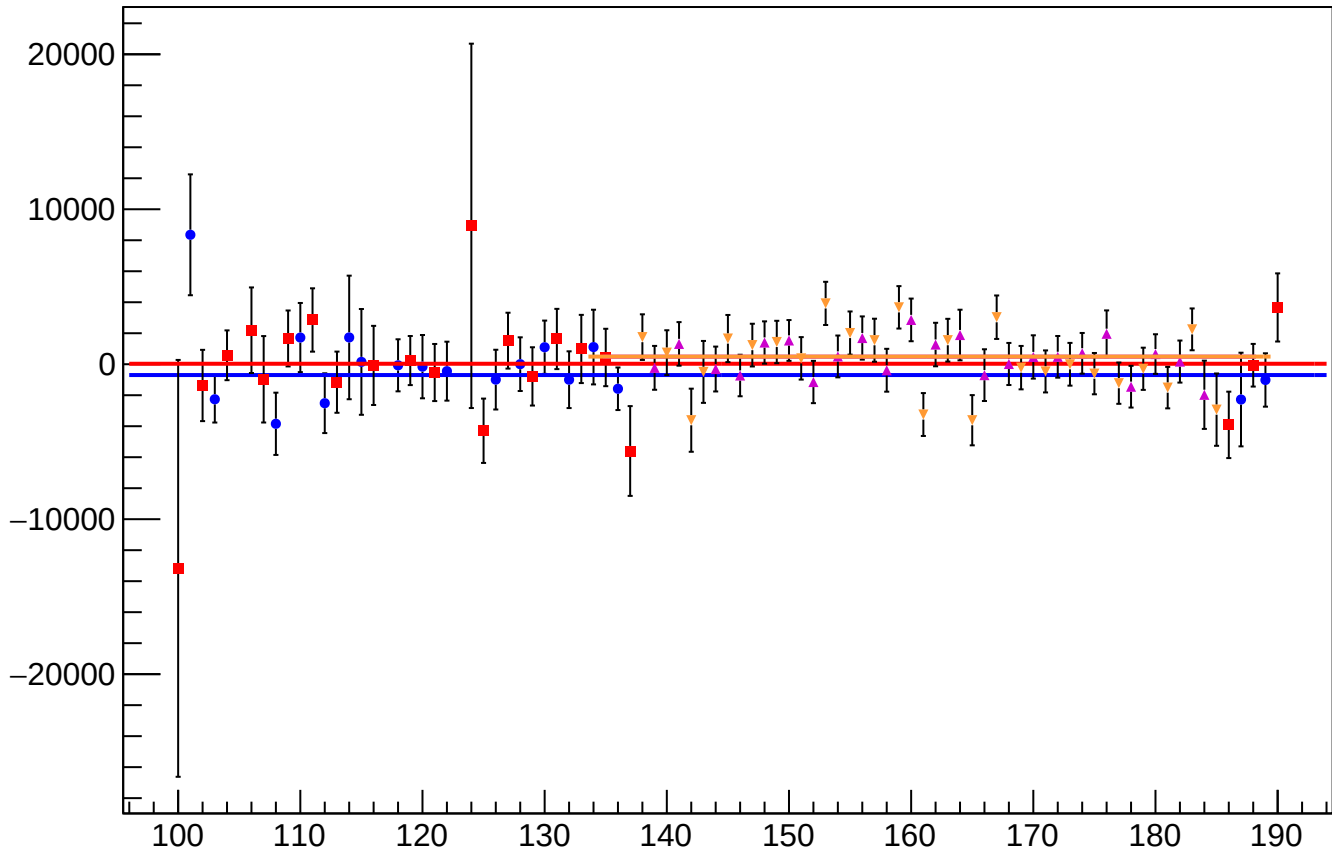
Left In: 0.000+/-0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 7654655.6/42

All: 0.000+/-0.000 χ^2/NDF : 14390042.4/87

- sign 0.000+/-0.000 χ^2/NDF : 6586517.2/44

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -698.032 ± 464.513 χ^2/NDF : 14.2/17

Left Out: 492.062 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 30.143 ± 440.413 χ^2/NDF : 22.0/21

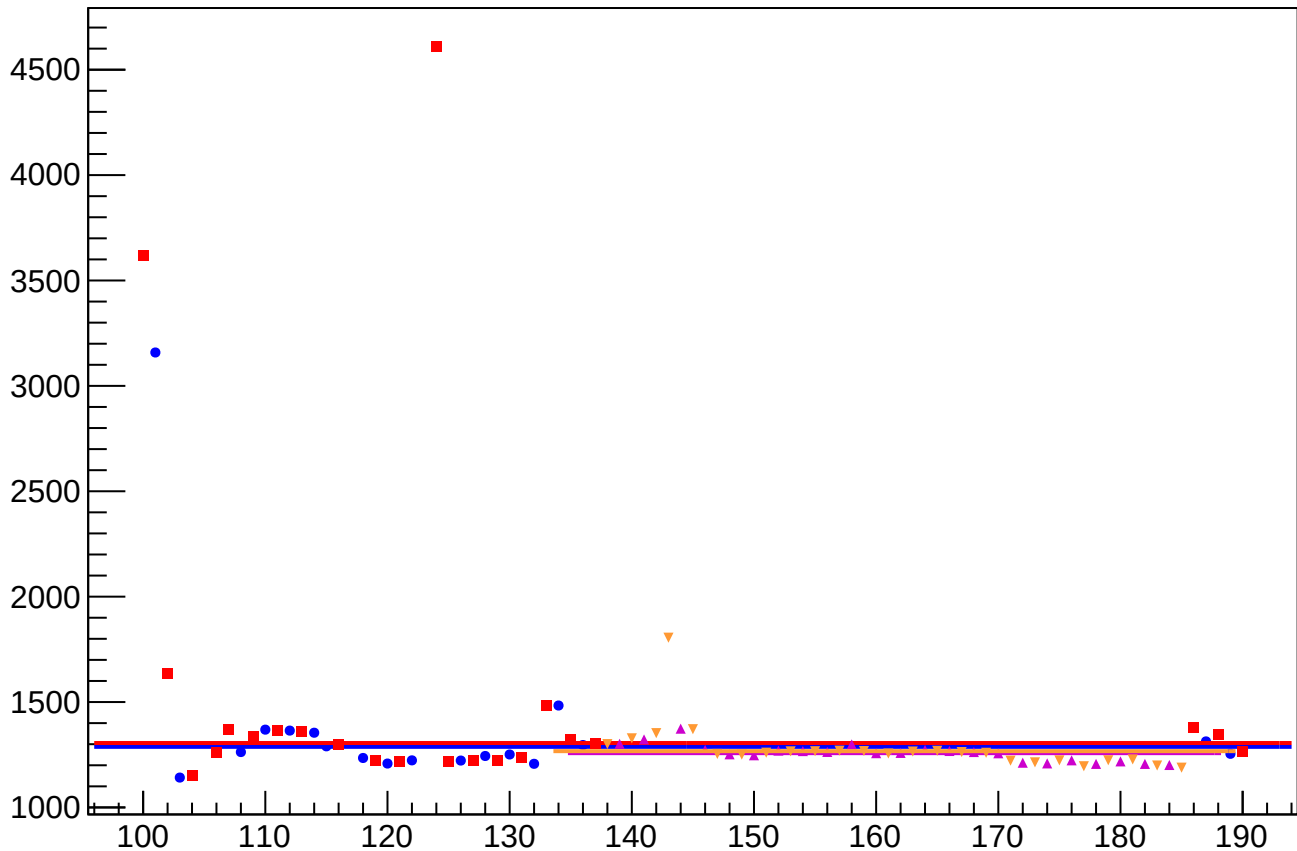
Left In: 486.821 ± 293.769 χ^2/NDF : 14.4/22

+ sign 160.790 ± 245.075 χ^2/NDF : 65.9/42

All: 253.754 ± 173.051 χ^2/NDF : 103.3/87

- sign 346.199 ± 244.389 χ^2/NDF : 37.2/44

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF : 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF : 187545.6/24

Right Out: 1305.601+/-0.311 χ^2/NDF : 324540.5/21

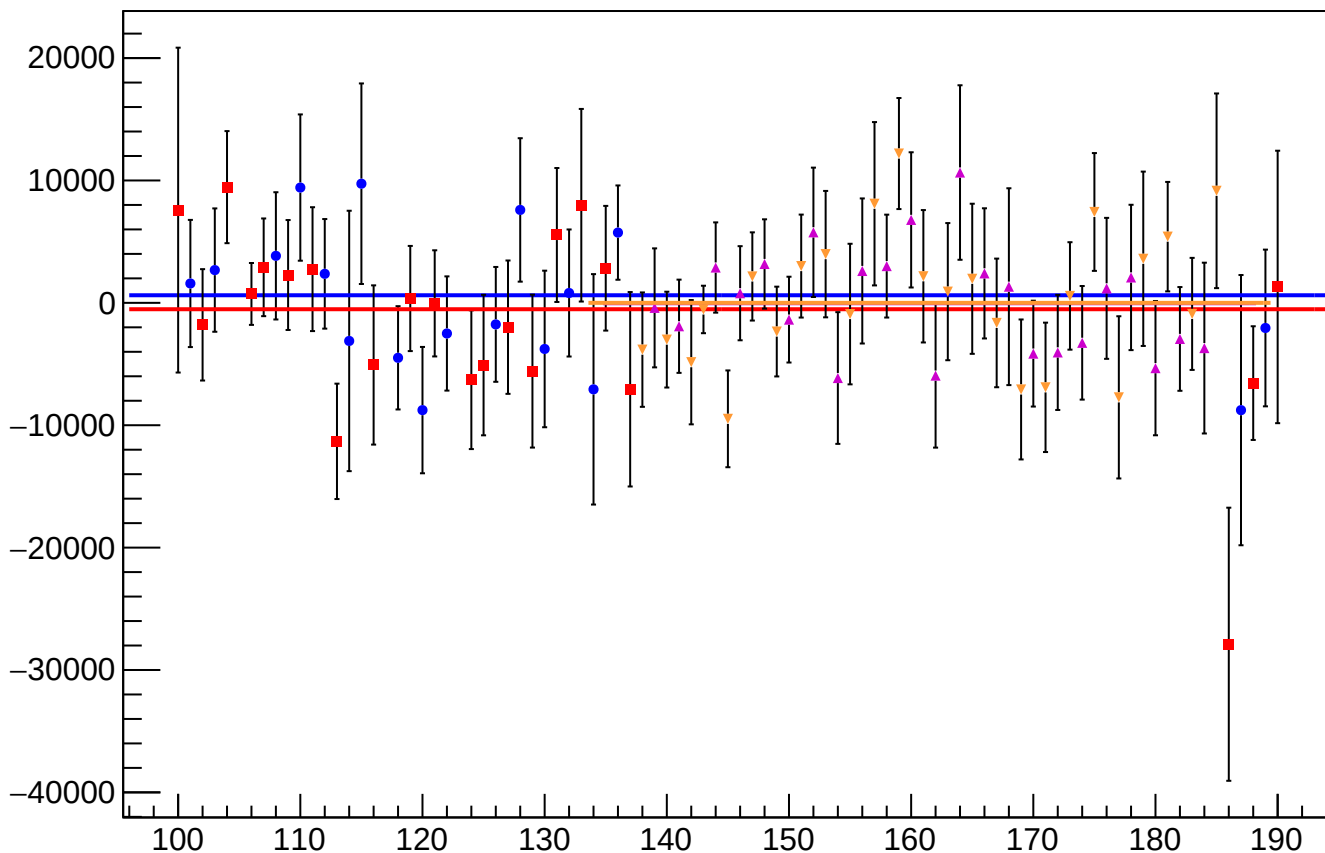
Left In: 1257.551+/-0.208 χ^2/NDF : 36816.4/22

+ sign 1272.677+/-0.173 χ^2/NDF : 705950.0/42

All: 1272.533+/-0.122 χ^2/NDF : 1083832.8/87

- sign 1272.391+/-0.173 χ^2/NDF : 377881.4/44

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug



Right In: 620.492 $\pm$ 1288.899 χ^2 /NDF: 15.0/17

Left Out: -0.604 $\pm$ 886.488 χ^2 /NDF:29.1/24

Right Out: -521.331 $\pm$ 1070.574 χ^2 /NDF: 26.4/21

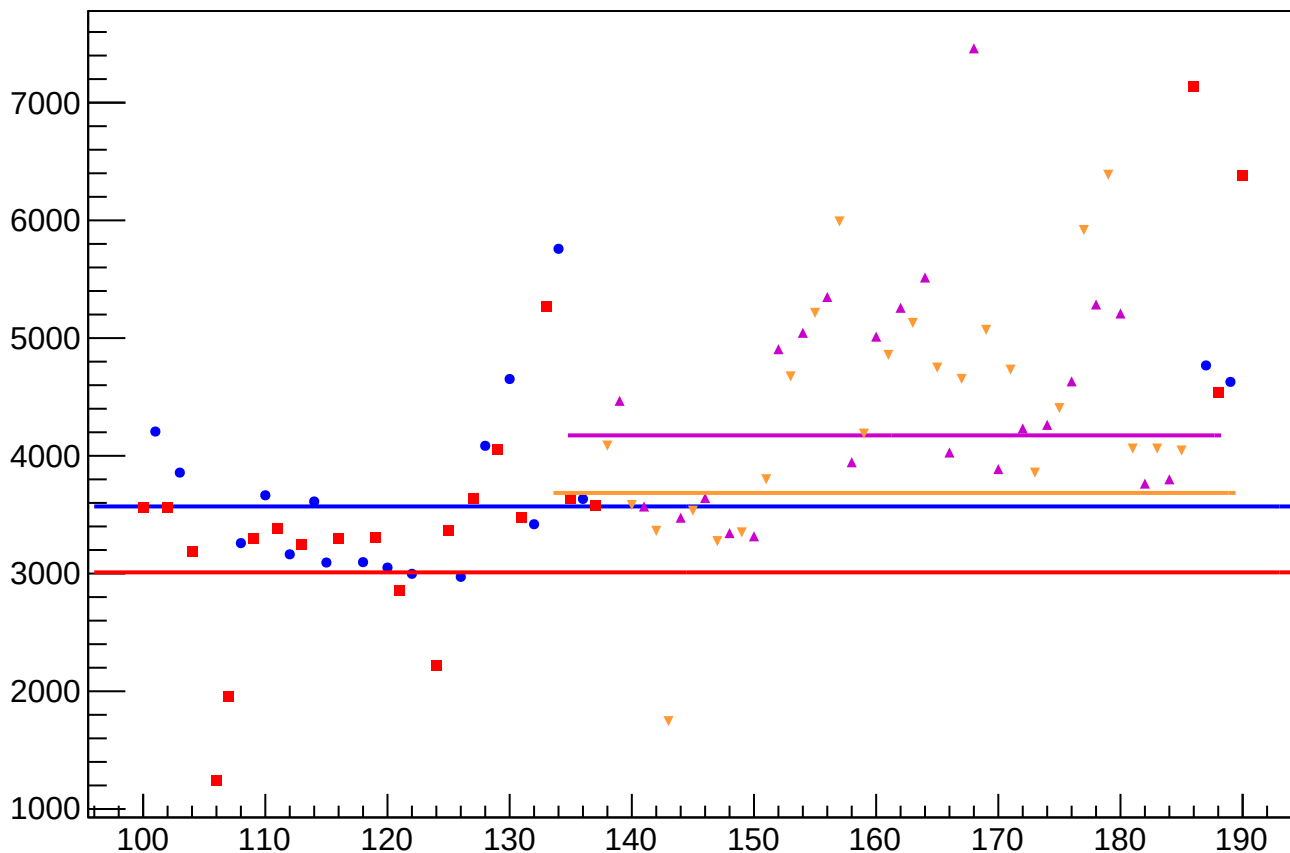
Left In: -31.593 $\pm$ 995.348 χ^2 /NDF:14.0/22

+ sign 198.853 $\pm$ 730.405 χ^2 /NDF: 44.2/42

All: -30.353 $\pm$ 515.964 χ^2 /NDF: 84.9/87

- sign -258.653 $\pm$ 728.962 χ^2 /NDF: 40.6/44

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug



Right In: 3569.977+/-0.911 χ^2/NDF : 436578.6/17

Left Out: 3684.769+/-0.627 χ^2/NDF : 3693646.6/24

Right Out: 3009.926+/-0.757 χ^2/NDF : 2216475.4/21

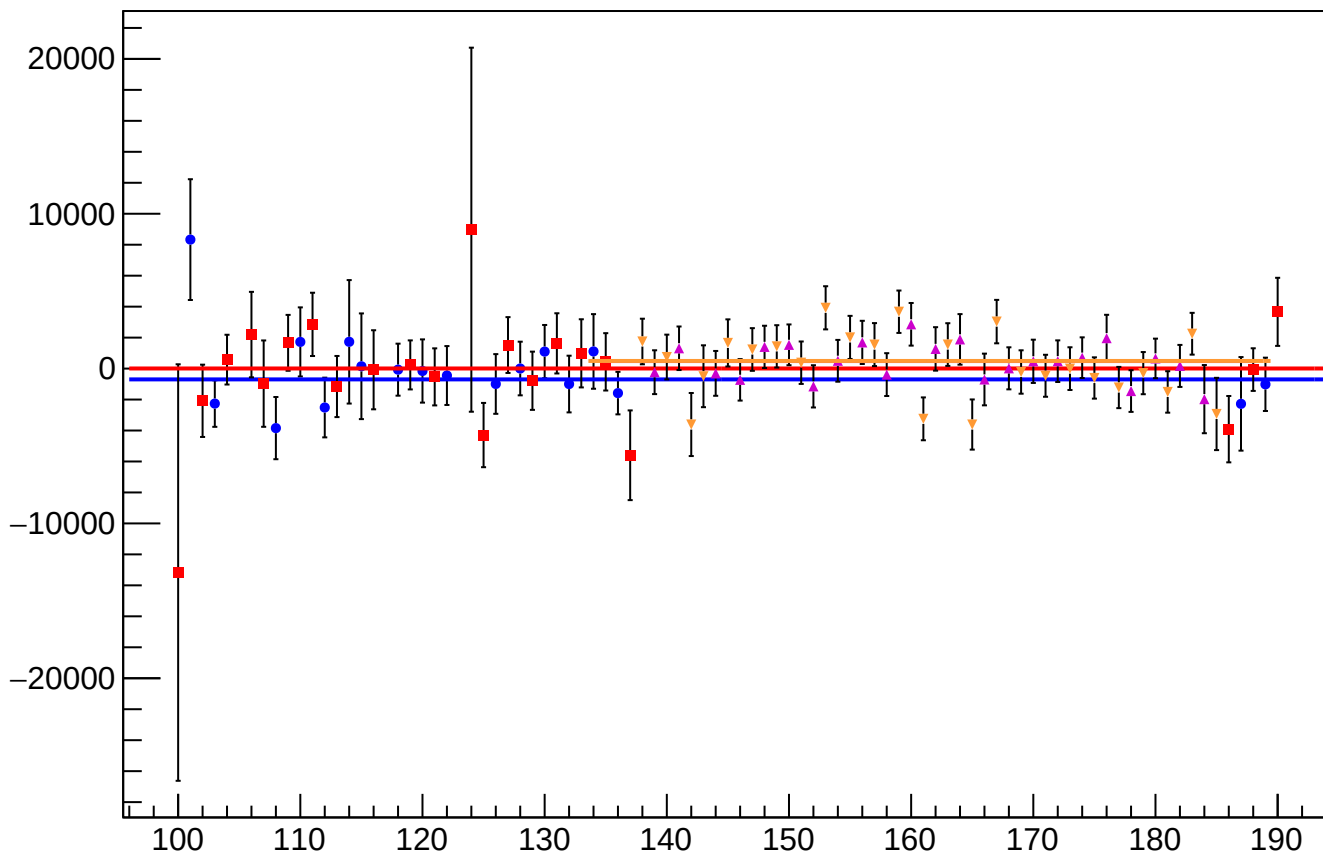
Left In: 4173.556+/-0.704 χ^2/NDF : 1274968.4/22

+ sign 3647.905+/-0.516 χ^2/NDF : 4140994.7/42

All: 3640.967+/-0.365 χ^2/NDF : 8900119.4/87

- sign 3634.056+/-0.515 χ^2/NDF : 4758764.5/44

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -698.399 ± 464.513 $\chi^2/\text{NDF}: 14.2/17$

Left Out: 492.079 ± 288.495 $\chi^2/\text{NDF}: 46.9/24$

Right Out: 6.459 ± 440.651 $\chi^2/\text{NDF}: 22.4/21$

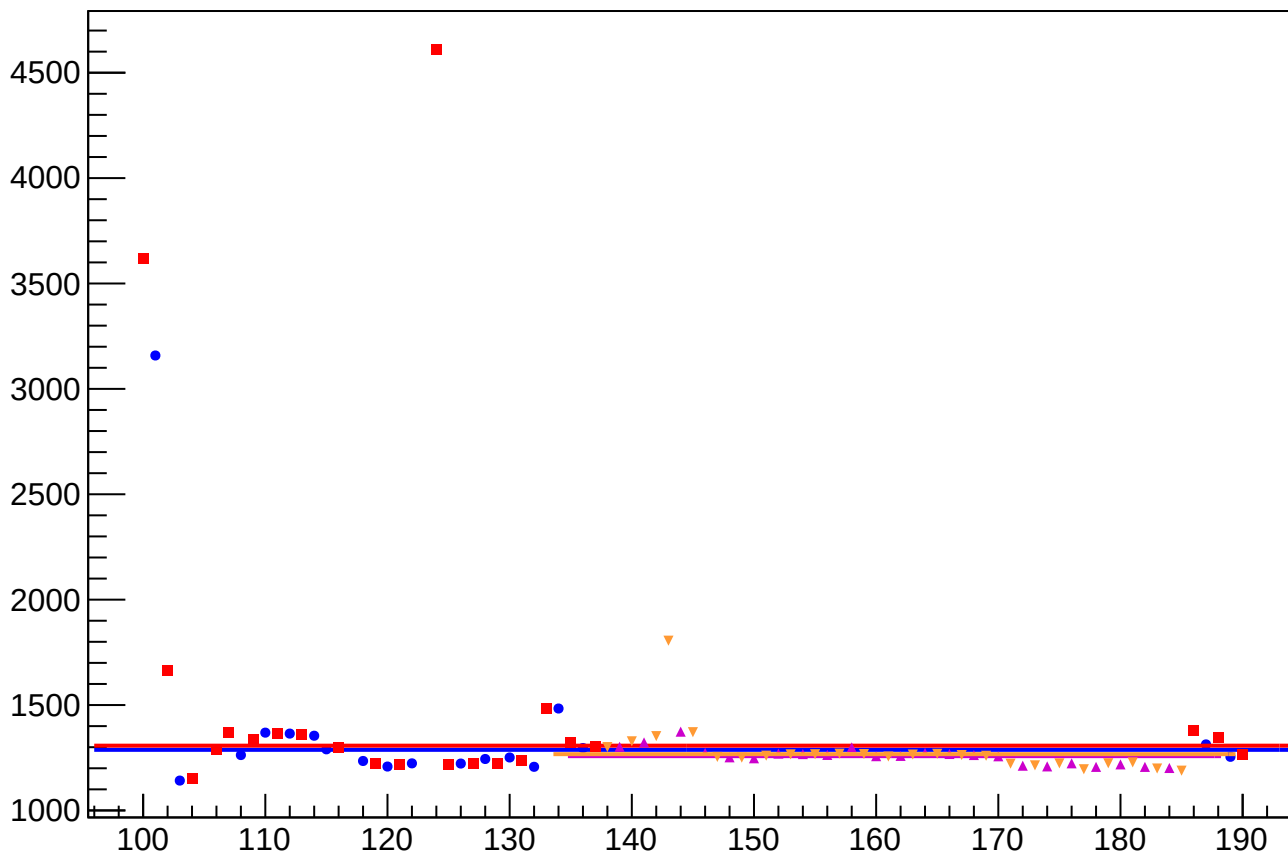
Left In: 486.720 ± 293.769 $\chi^2/\text{NDF}: 14.4/22$

+ sign 160.700 ± 245.075 $\chi^2/\text{NDF}: 65.8/42$

All: 250.058 ± 173.066 $\chi^2/\text{NDF}: 103.8/87$

- sign 338.947 ± 244.430 $\chi^2/\text{NDF}: 37.7/44$

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.477+/-0.328 χ^2/NDF : 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF : 187545.6/24

Right Out: 1307.272+/-0.311 χ^2/NDF : 330840.5/21

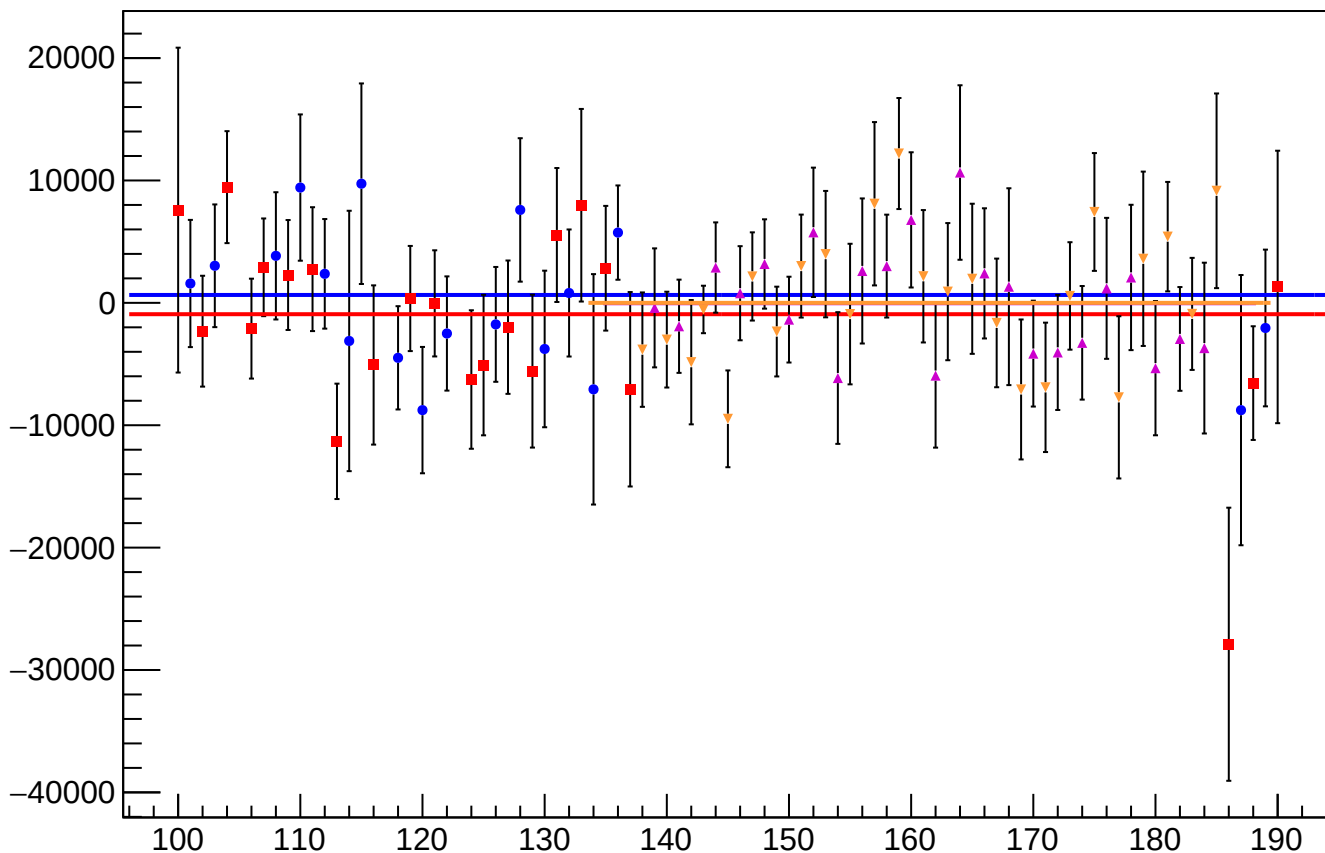
Left In: 1257.551+/-0.208 χ^2/NDF : 36816.3/22

+ sign 1272.676+/-0.173 χ^2/NDF : 705951.4/42

All: 1272.780+/-0.122 χ^2/NDF : 1091274.1/87

- sign 1272.882+/-0.173 χ^2/NDF : 385322.0/44

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug



Right In: 644.987 ± 1288.480 χ^2/NDF : 15.0/17

Left Out: -0.541 ± 886.487 χ^2/NDF : 29.1/24

Right Out: -927.344 ± 1134.615 χ^2/NDF : 26.3/21

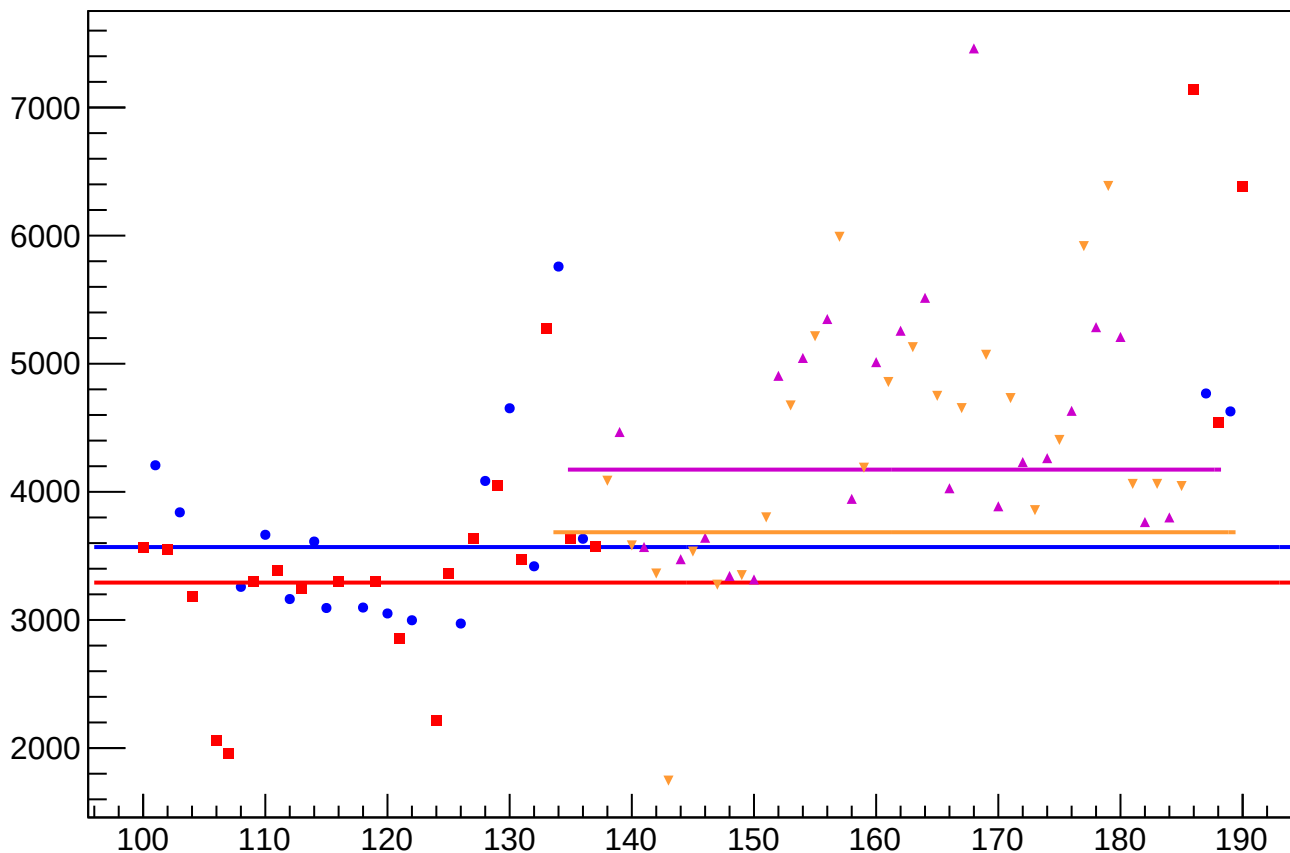
Left In: -31.597 ± 995.347 χ^2/NDF : 14.0/22

+ sign 206.853 ± 730.329 χ^2/NDF : 44.2/42

All: -99.544 ± 522.637 χ^2/NDF : 85.3/87

- sign -421.151 ± 748.238 χ^2/NDF : 40.7/44

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug



Right In: 3569.073+/-0.911 χ^2/NDF : 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF : 3693687.2/24

Right Out: 3291.760+/-0.802 χ^2/NDF : 1222238.2/21

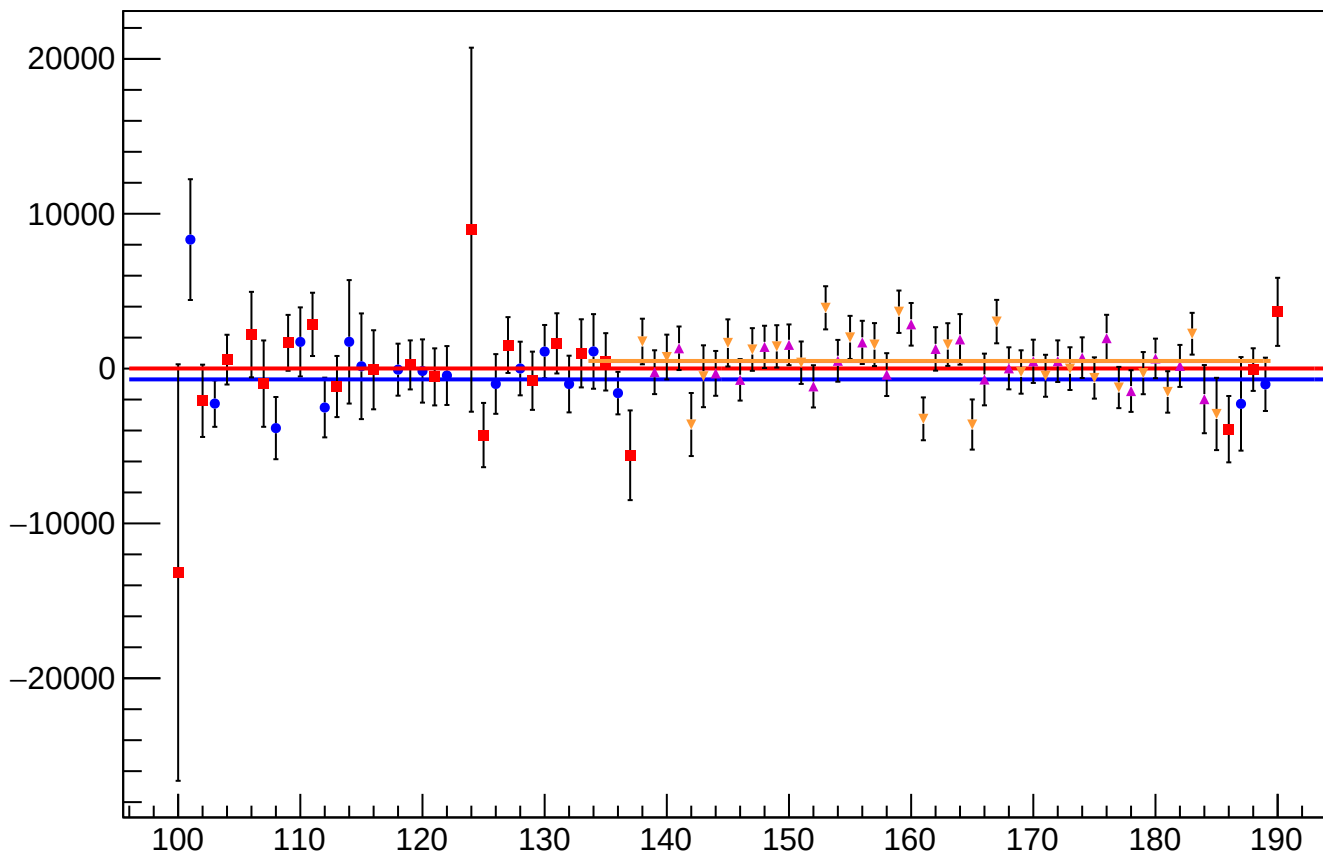
Left In: 4173.550+/-0.704 χ^2/NDF : 1274967.5/22

+ sign 3647.593+/-0.516 χ^2/NDF : 4140602.0/42

All: 3717.104+/-0.370 χ^2/NDF : 7357585.2/87

- sign 3790.066+/-0.529 χ^2/NDF : 3179848.9/44

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -698.399 ± 464.513 χ^2/NDF : 14.2/17

Left Out: 492.079 ± 288.495 χ^2/NDF : 46.9/24

Right Out: 6.459 ± 440.651 χ^2/NDF : 22.4/21

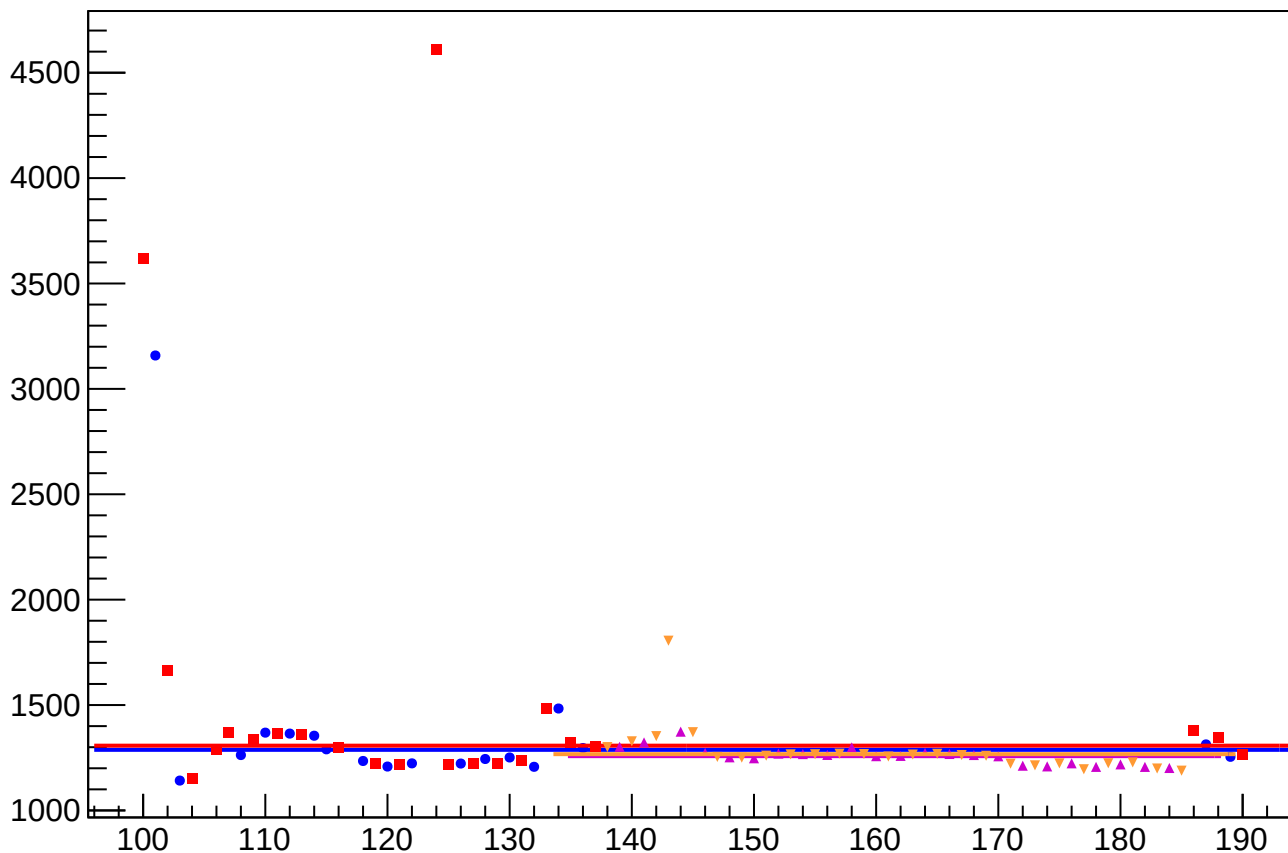
Left In: 486.720 ± 293.769 χ^2/NDF : 14.4/22

+ sign 160.700 ± 245.075 χ^2/NDF : 65.8/42

All: 250.058 ± 173.066 χ^2/NDF : 103.8/87

- sign 338.947 ± 244.430 χ^2/NDF : 37.7/44

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.477 $\pm$ 0.328 χ^2 /NDF: 515592.2/17

Left Out: 1266.968 $\pm$ 0.204 χ^2 /NDF: 187545.6/24

Right Out: 1307.272 $\pm$ 0.311 χ^2 /NDF: 330840.5/21

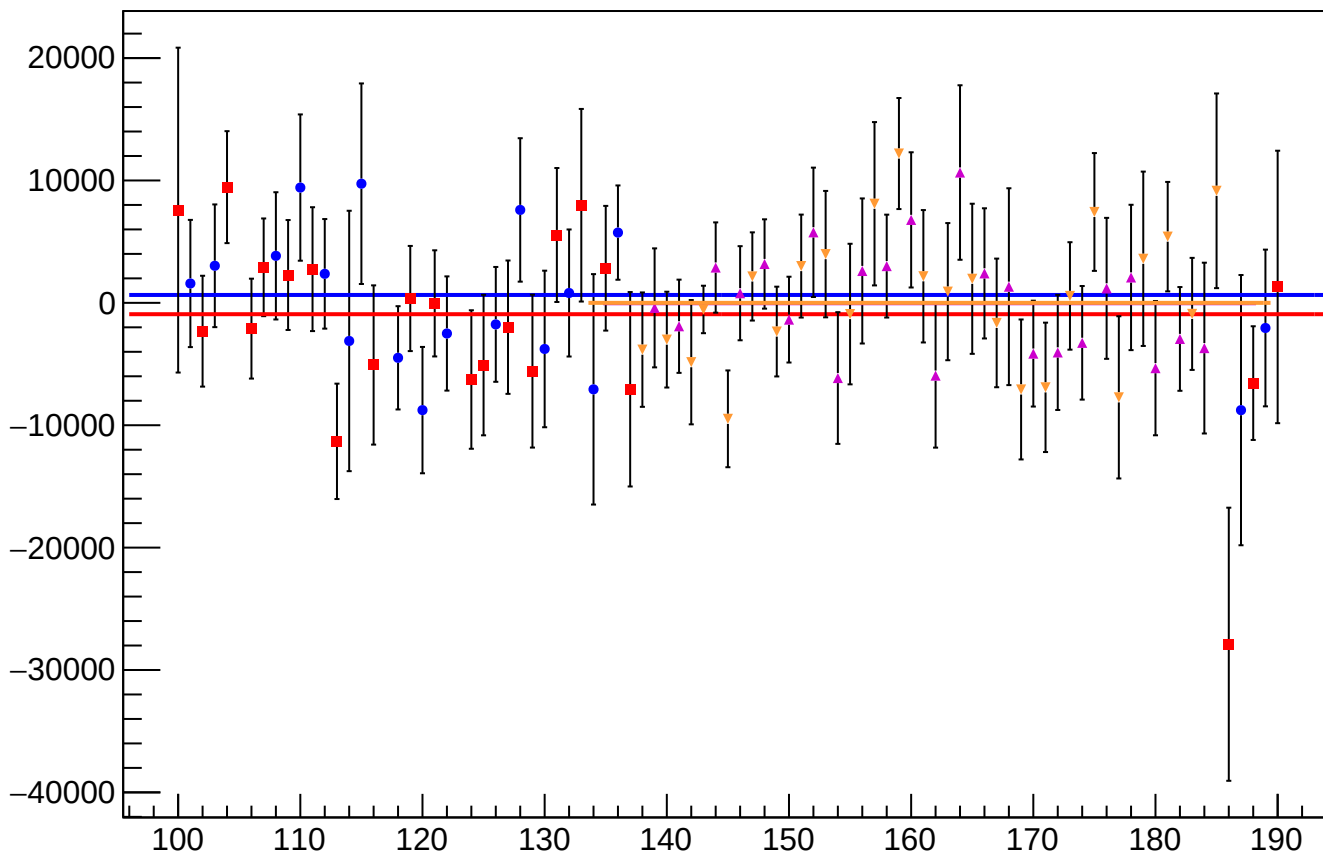
Left In: 1257.551 $\pm$ 0.208 χ^2 /NDF: 36816.3/22

+ sign 1272.676 $\pm$ 0.173 χ^2 /NDF: 705951.4/42

All: 1272.780 $\pm$ 0.122 χ^2 /NDF: 1091274.1/87

- sign 1272.882 $\pm$ 0.173 χ^2 /NDF: 385322.0/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 644.987 ± 1288.480 $\chi^2/\text{NDF}: 15.0/17$

Left Out: -0.541 ± 886.487 $\chi^2/\text{NDF}: 29.1/24$

Right Out: -927.344 ± 1134.615 $\chi^2/\text{NDF}: 26.3/21$

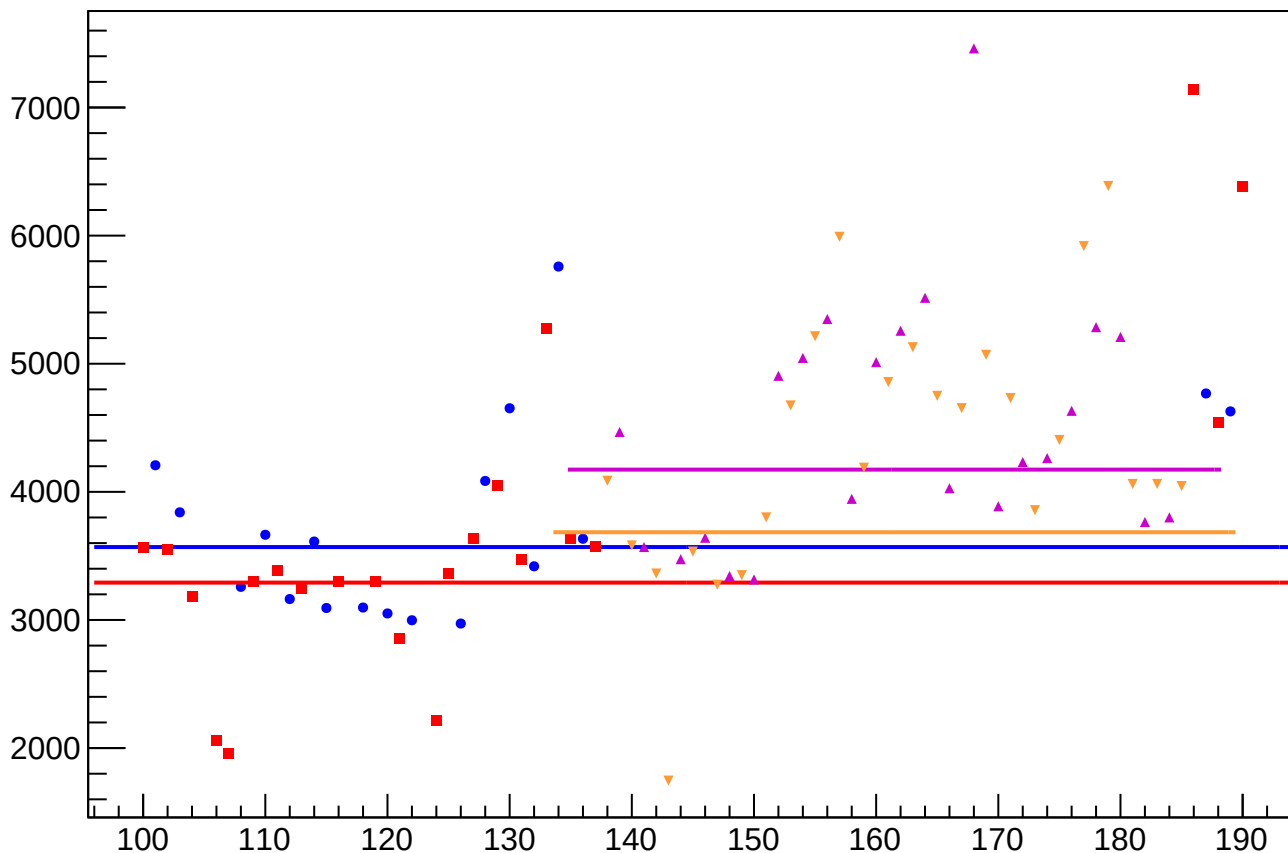
Left In: -31.597 ± 995.347 $\chi^2/\text{NDF}: 14.0/22$

+ sign 206.853 ± 730.329 $\chi^2/\text{NDF}: 44.2/42$

All: -99.544 ± 522.637 $\chi^2/\text{NDF}: 85.3/87$

- sign -421.151 ± 748.238 $\chi^2/\text{NDF}: 40.7/44$

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 3569.073+/-0.911 χ^2 /NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2 /NDF: 3693687.2/24

Right Out: 3291.760+/-0.802 χ^2 /NDF: 1222238.2/21

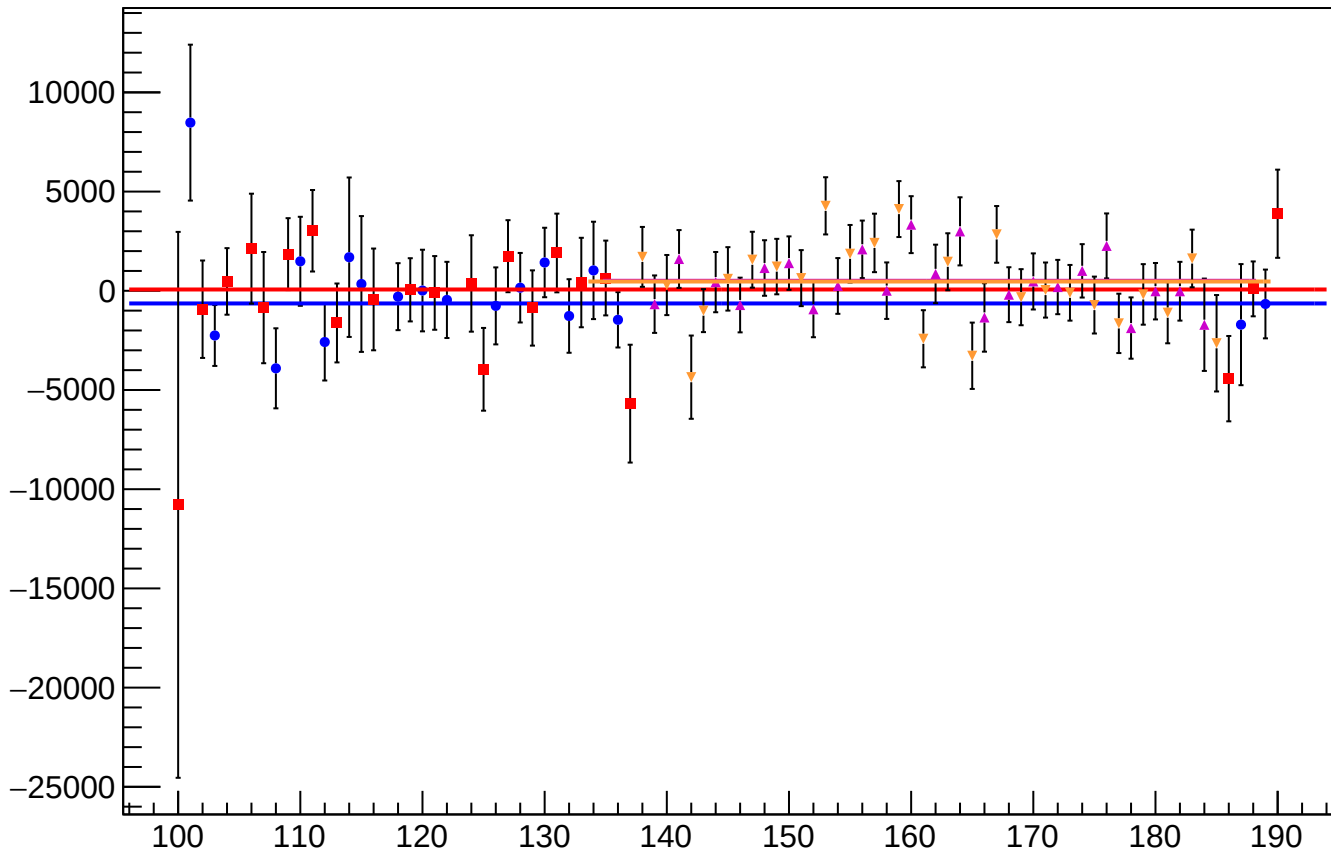
Left In: 4173.550+/-0.704 χ^2 /NDF: 1274967.5/22

+ sign 3647.593+/-0.516 χ^2 /NDF: 4140602.0/42

All: 3717.104+/-0.370 χ^2 /NDF: 7357585.2/87

- sign 3790.066+/-0.529 χ^2 /NDF: 3179848.9/44

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -637.990 ± 469.578 $\chi^2/\text{NDF}: 14.2/17$

Left Out: 467.929 ± 294.257 $\chi^2/\text{NDF}: 44.1/24$

Right Out: 65.657 ± 439.237 $\chi^2/\text{NDF}: 22.2/21$

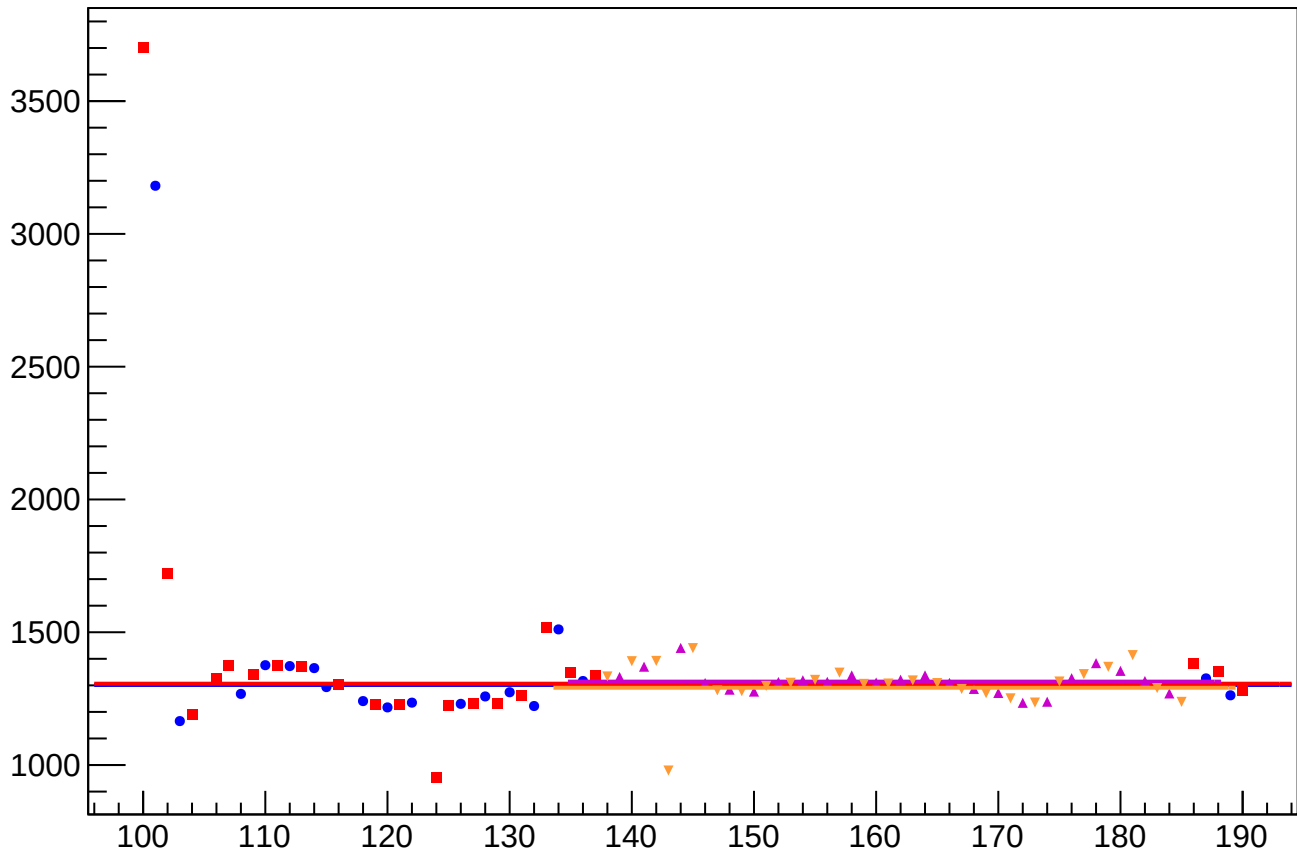
Left In: 503.558 ± 307.055 $\chi^2/\text{NDF}: 17.4/22$

+ sign 156.104 ± 249.345 $\chi^2/\text{NDF}: 62.3/42$

All: 257.015 ± 177.126 $\chi^2/\text{NDF}: 102.9/87$

- sign 359.809 ± 251.660 $\chi^2/\text{NDF}: 40.3/44$

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1301.572 $\pm$ 0.332 χ^2 /NDF: 511789.7/17

Left Out: 1291.211 $\pm$ 0.208 χ^2 /NDF: 230735.1/24

Right Out: 1306.216 $\pm$ 0.310 χ^2 /NDF: 218896.5/21

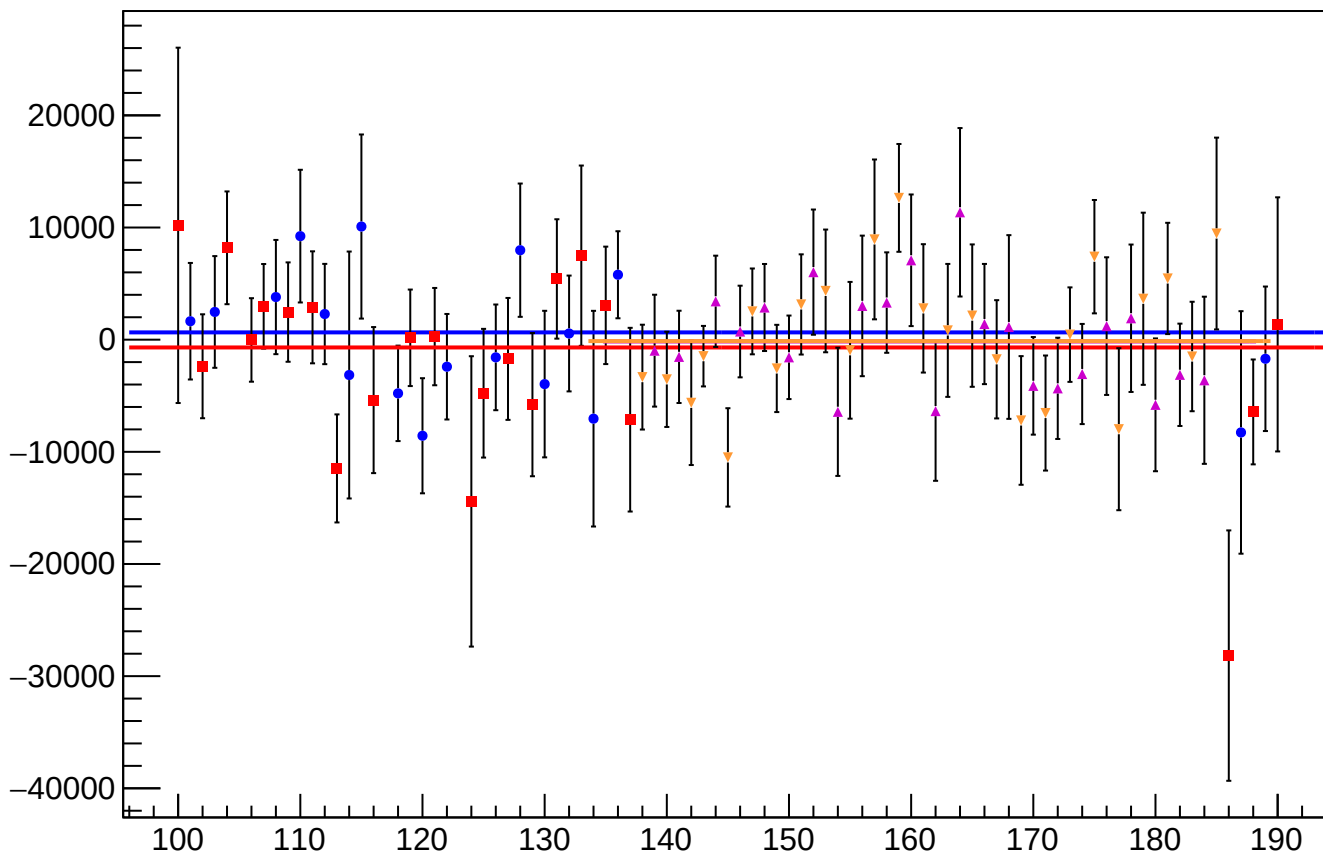
Left In: 1314.006 $\pm$ 0.217 χ^2 /NDF: 43044.7/22

+ sign 1294.132 $\pm$ 0.176 χ^2 /NDF: 743224.0/42

All: 1302.711 $\pm$ 0.125 χ^2 /NDF: 1010366.3/87

- sign 1311.447 $\pm$ 0.178 χ^2 /NDF: 262364.0/44

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug



Right In: 649.628 ± 1290.787 χ^2/NDF : 15.0/17

Left Out: -127.273 ± 977.231 χ^2/NDF : 28.6/24

Right Out: -693.747 ± 1150.121 χ^2/NDF : 24.7/21

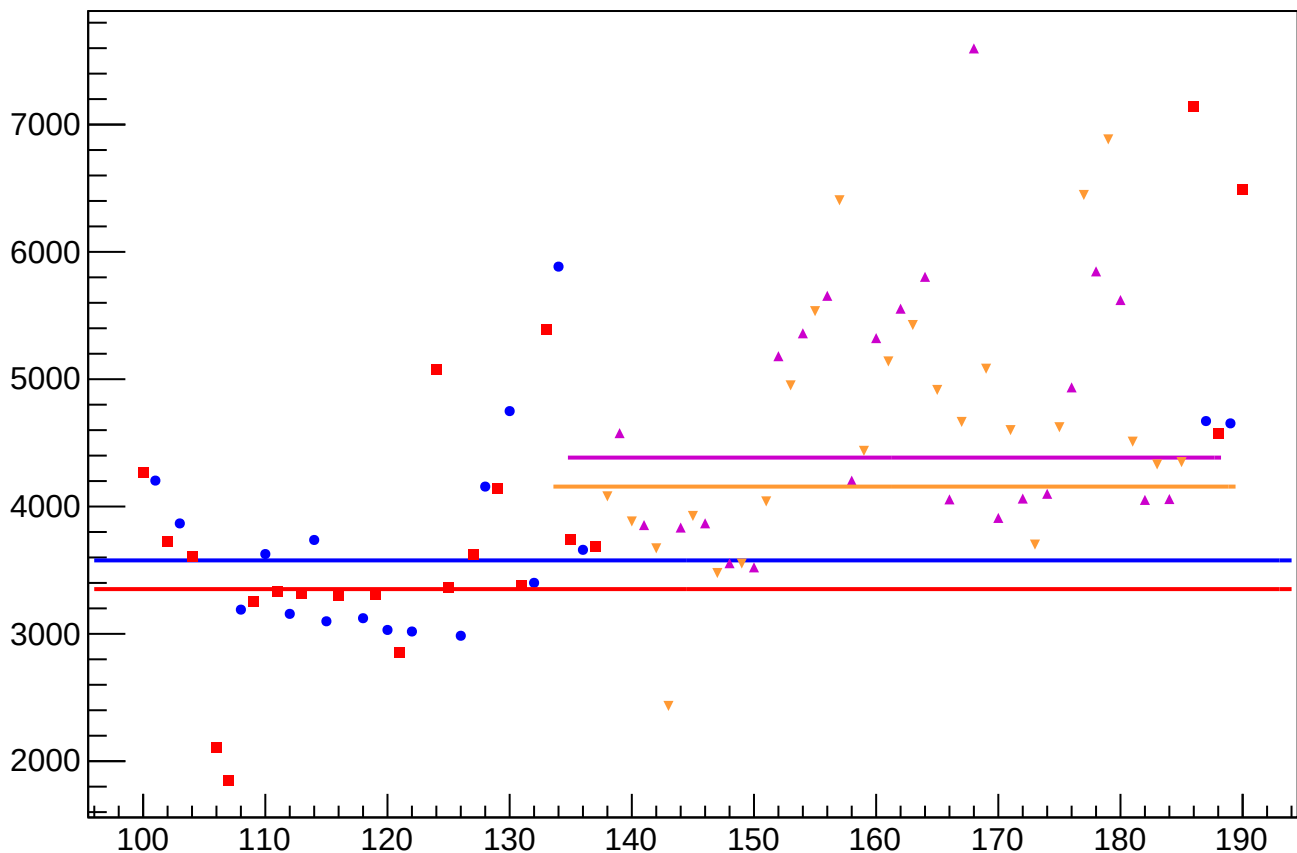
Left In: -159.452 ± 1045.510 χ^2/NDF : 13.8/22

+ sign 155.784 ± 779.128 χ^2/NDF : 43.8/42

All: -124.680 ± 548.974 χ^2/NDF : 82.7/87

- sign -401.201 ± 773.633 χ^2/NDF : 38.6/44

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug



Right In: 3576.938 $\pm$ 0.913 χ^2/NDF : 455785.3/17

Left Out: 4156.582 $\pm$ 0.691 χ^2/NDF : 2080766.1/24

Right Out: 3351.477 $\pm$ 0.813 χ^2/NDF : 1327397.5/21

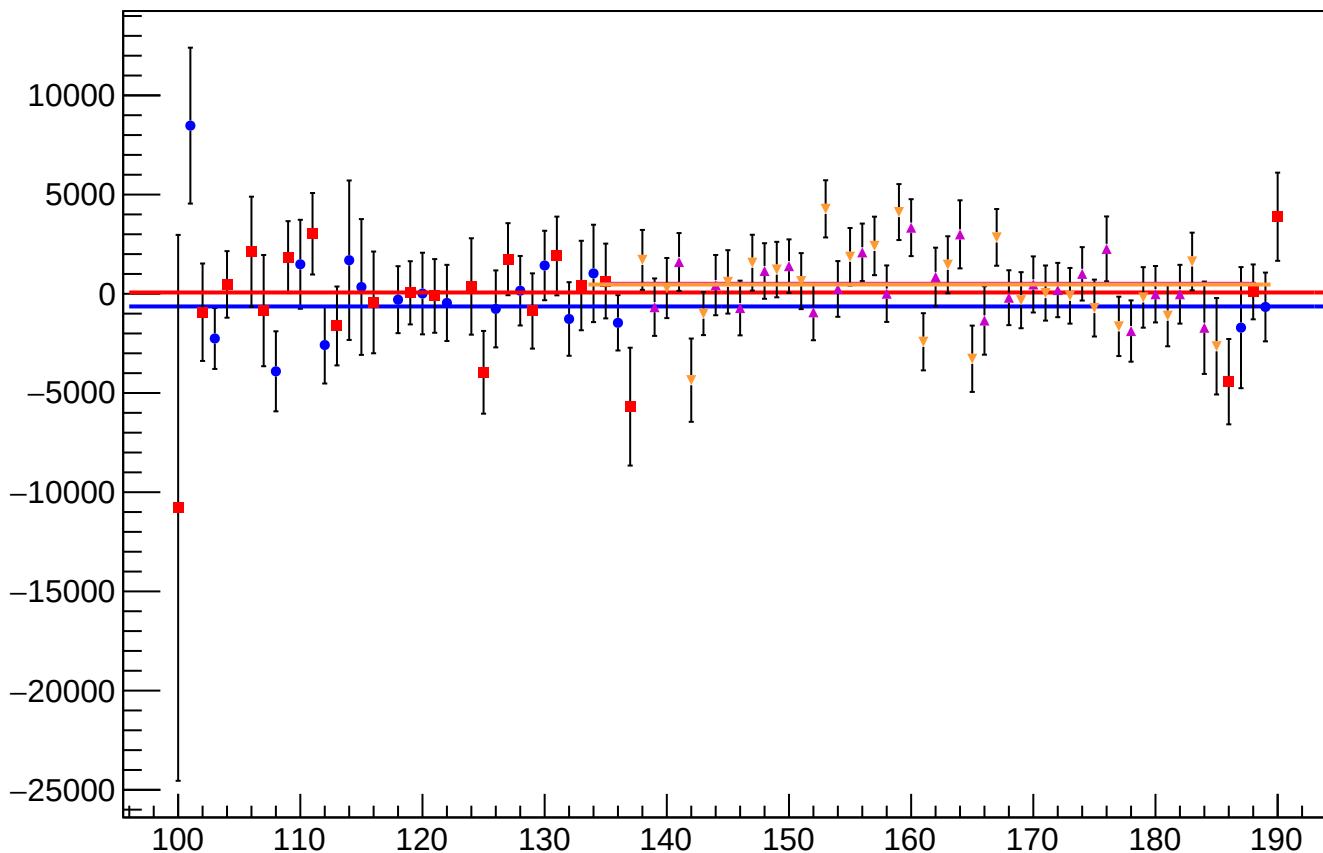
Left In: 4384.323 $\pm$ 0.739 χ^2/NDF : 1255470.8/22

+ sign 3945.393 $\pm$ 0.551 χ^2/NDF : 2792920.9/42

All: 3931.095 $\pm$ 0.388 χ^2/NDF : 6260263.4/87

- sign 3916.998 $\pm$ 0.547 χ^2/NDF : 3466004.9/44

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -637.994 ± 469.578 χ^2/NDF : 14.2/17

Left Out: 467.933 ± 294.257 χ^2/NDF : 44.1/24

Right Out: 65.663 ± 439.237 χ^2/NDF : 22.2/21

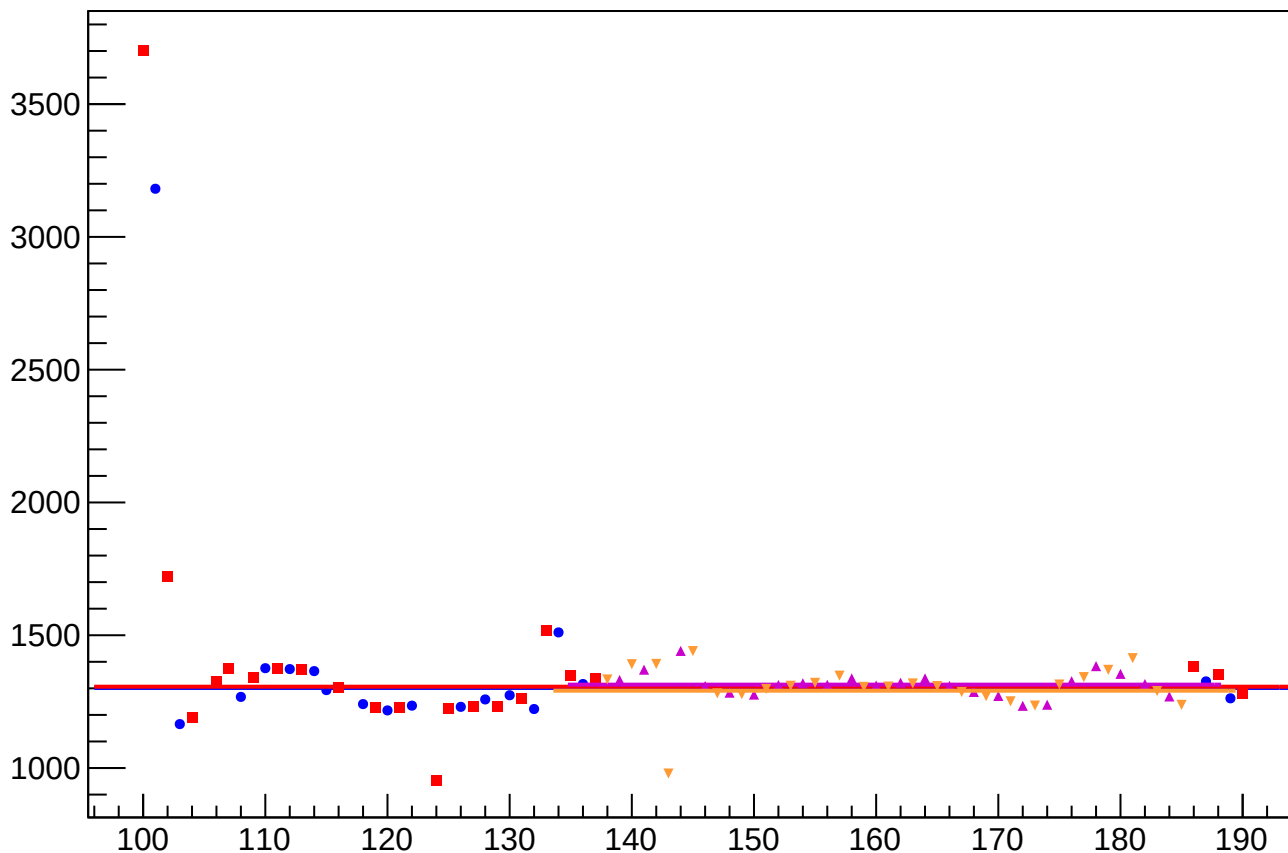
Left In: 503.558 ± 307.056 χ^2/NDF : 17.4/22

+ sign 156.106 ± 249.346 χ^2/NDF : 62.3/42

All: 257.017 ± 177.127 χ^2/NDF : 102.9/87

- sign 359.810 ± 251.660 χ^2/NDF : 40.3/44

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1301.572 $\pm$ 0.332 χ^2 /NDF: 511789.8/17

Left Out: 1291.212 $\pm$ 0.208 χ^2 /NDF: 230737.6/24

Right Out: 1306.216 $\pm$ 0.310 χ^2 /NDF: 218896.6/21

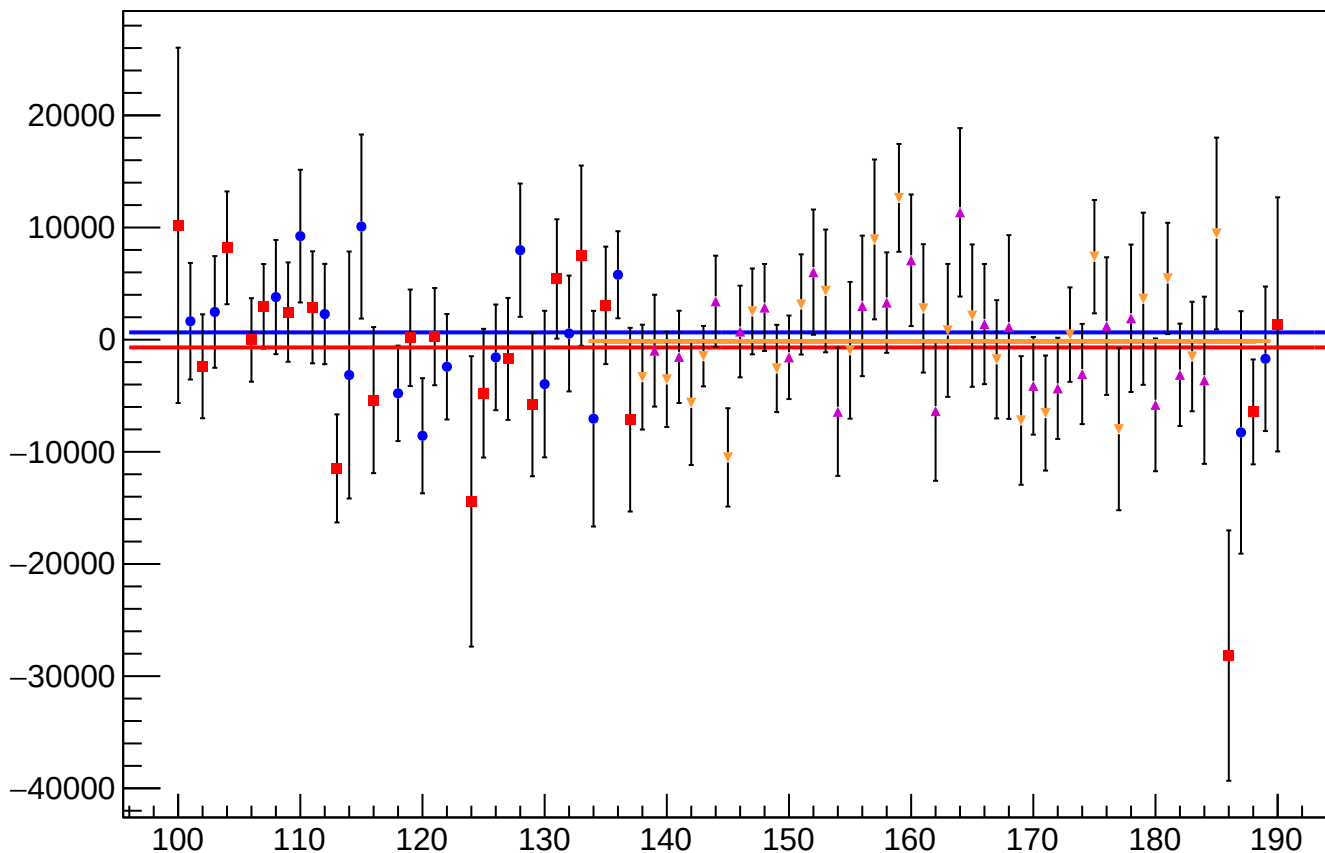
Left In: 1314.007 $\pm$ 0.217 χ^2 /NDF: 43046.8/22

+ sign 1294.133 $\pm$ 0.176 χ^2 /NDF: 743226.4/42

All: 1302.712 $\pm$ 0.125 χ^2 /NDF: 1010371.1/87

- sign 1311.448 $\pm$ 0.178 χ^2 /NDF: 262366.4/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 649.619 ± 1290.784 $\chi^2/\text{NDF}: 15.0/17$

Left Out: -127.271 ± 977.232 $\chi^2/\text{NDF}: 28.6/24$

Right Out: -693.740 ± 1150.118 $\chi^2/\text{NDF}: 24.7/21$

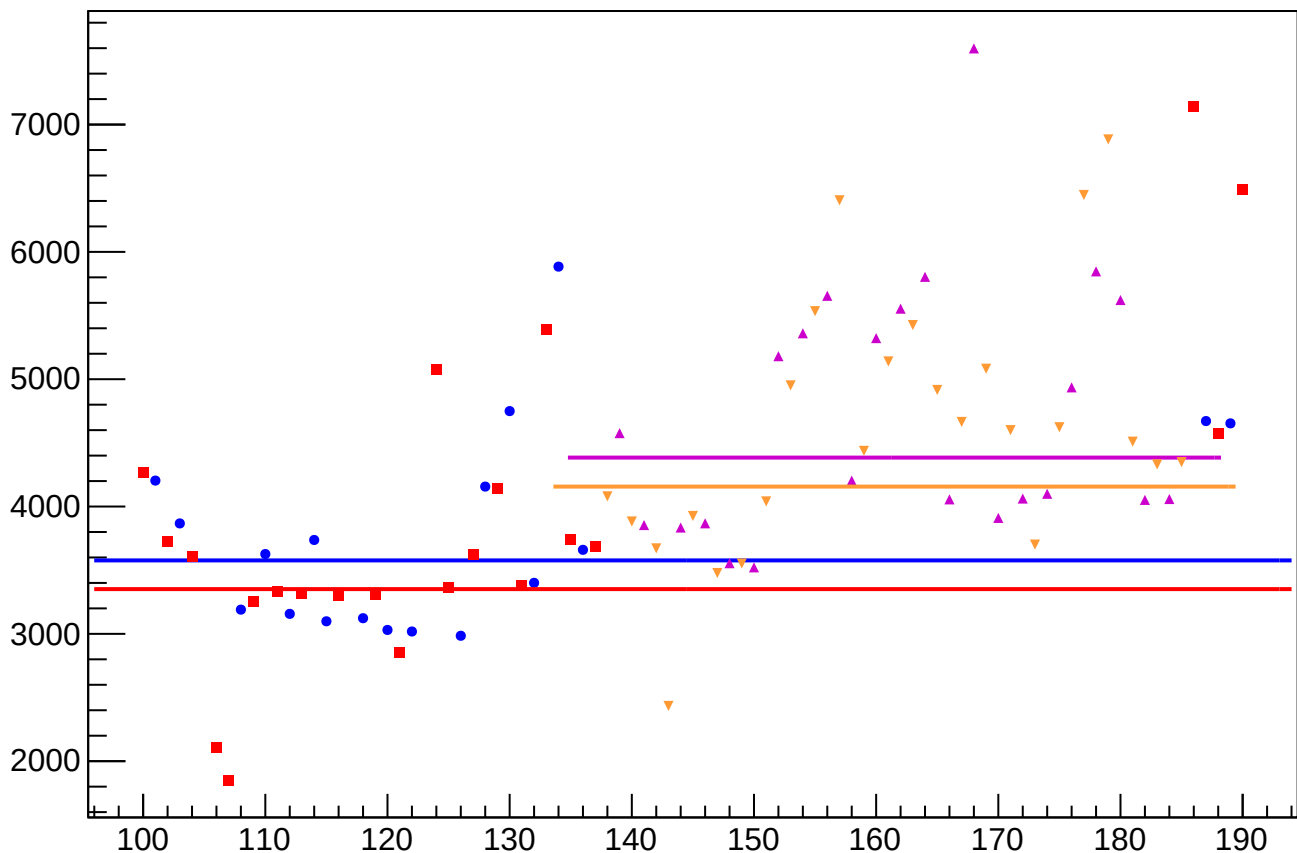
Left In: -159.454 ± 1045.511 $\chi^2/\text{NDF}: 13.8/22$

+ sign 155.784 ± 779.129 $\chi^2/\text{NDF}: 43.8/42$

All: -124.679 ± 548.974 $\chi^2/\text{NDF}: 82.7/87$

- sign -401.200 ± 773.633 $\chi^2/\text{NDF}: 38.6/44$

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 3576.930+/-0.913 χ^2/NDF : 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF : 2080769.0/24

Right Out: 3351.469+/-0.813 χ^2/NDF : 1327403.2/21

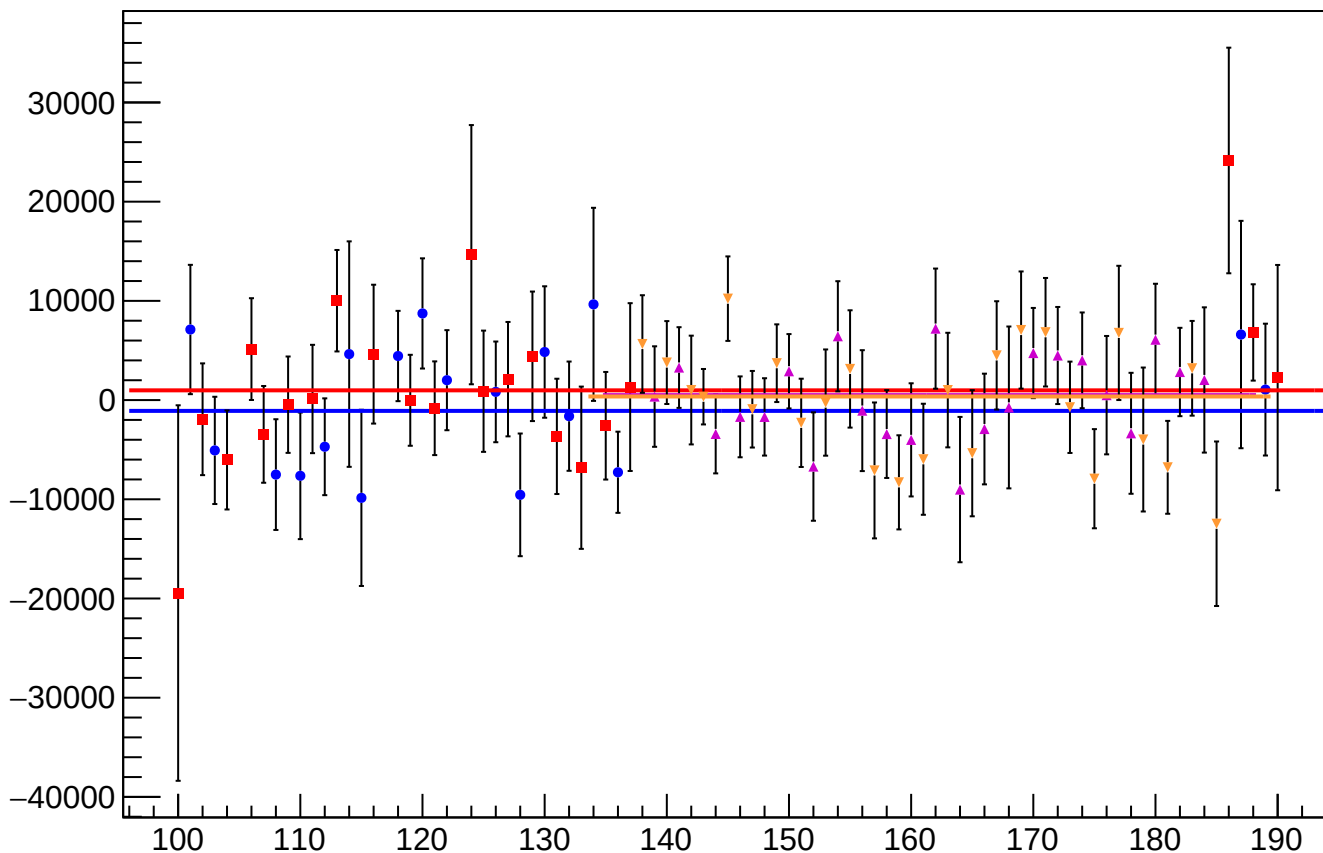
Left In: 4384.329+/-0.739 χ^2/NDF : 1255475.0/22

+ sign 3945.393+/-0.551 χ^2/NDF : 2792943.8/42

All: 3931.095+/-0.388 χ^2/NDF : 6260321.7/87

- sign 3916.997+/-0.547 χ^2/NDF : 3466040.1/44

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1089.614 ± 1389.186 χ^2/NDF : 18.2/17

Left Out: 362.528 ± 979.860 χ^2/NDF : 27.7/24

Right Out: 981.085 ± 1271.948 χ^2/NDF : 17.6/21

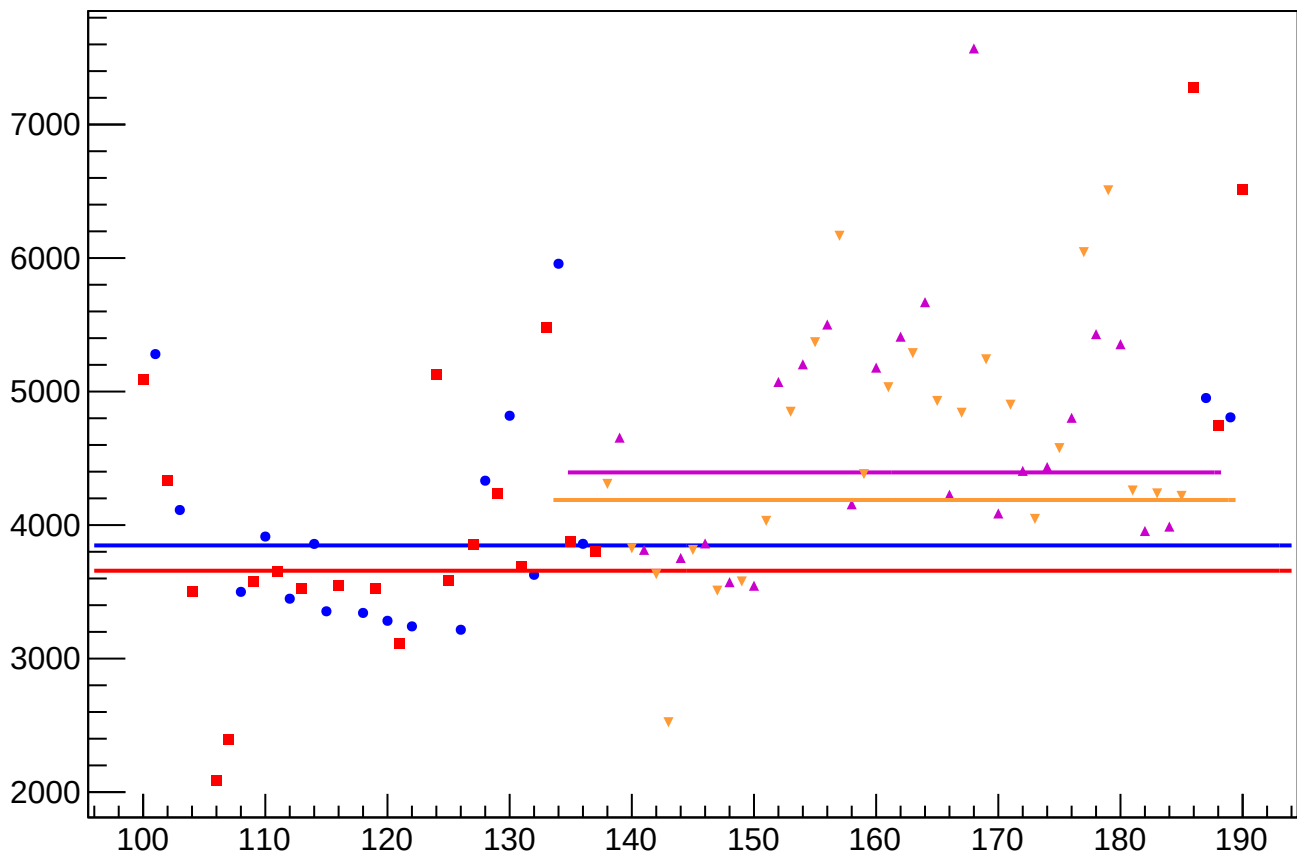
Left In: 497.522 ± 1044.707 χ^2/NDF : 13.9/22

+ sign -119.914 ± 800.716 χ^2/NDF : 46.5/42

All: 282.876 ± 568.507 χ^2/NDF : 78.6/87

- sign 692.323 ± 807.306 χ^2/NDF : 31.6/44

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3847.536 $\pm$ 0.982 χ^2 /NDF: 446964.5/17

Left Out: 4187.848 $\pm$ 0.693 χ^2 /NDF:1796345.9/24

Right Out: 3658.073 $\pm$ 0.888 χ^2 /NDF: 1049184.6/21

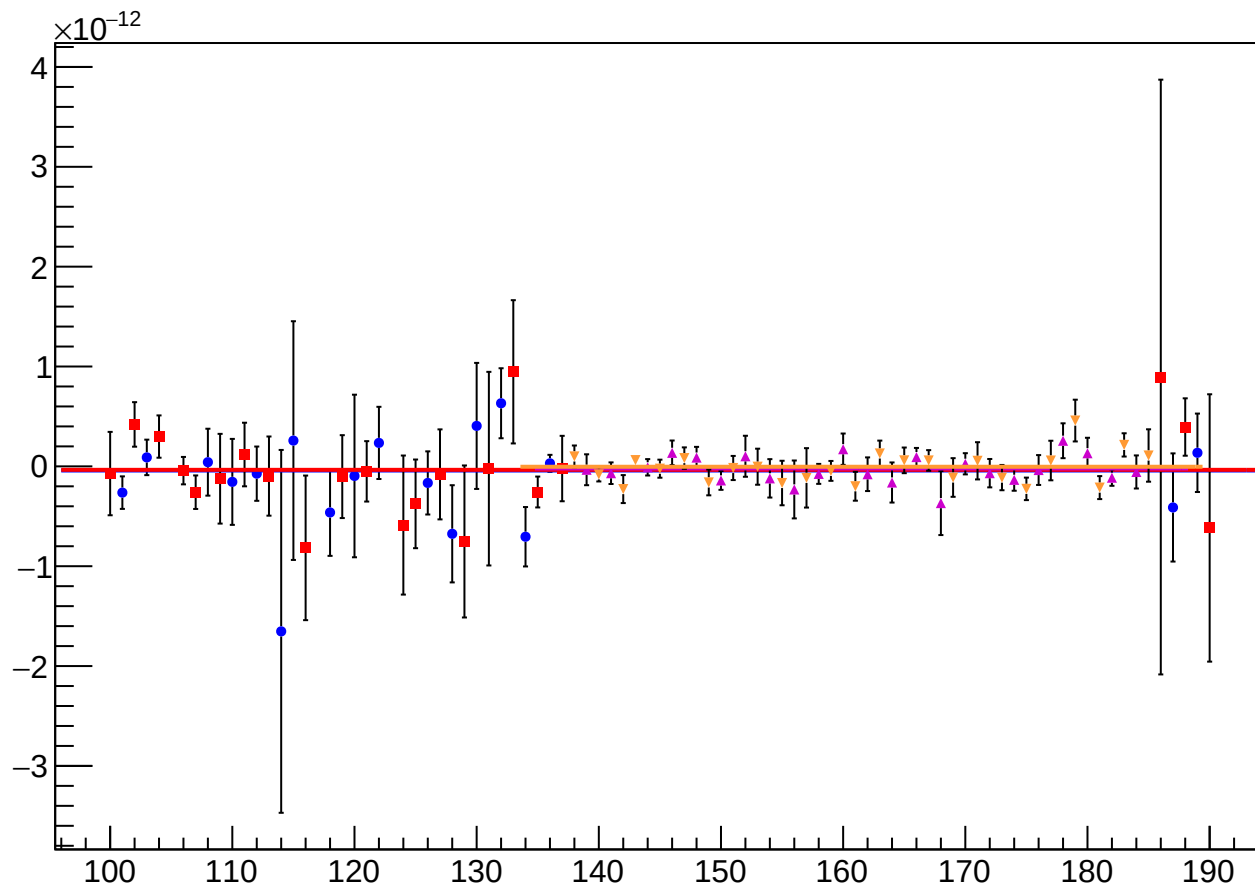
Left In: 4394.324 $\pm$ 0.739 χ^2 /NDF:1088394.9/22

+ sign 4074.786 $\pm$ 0.566 χ^2 /NDF: 2323459.3/42

All: 4084.017 $\pm$ 0.401 χ^2 /NDF: 4867696.9/87

- sign 4093.306 $\pm$ 0.568 χ^2 /NDF: 2543704.3/44

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2 /NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 18.5/21

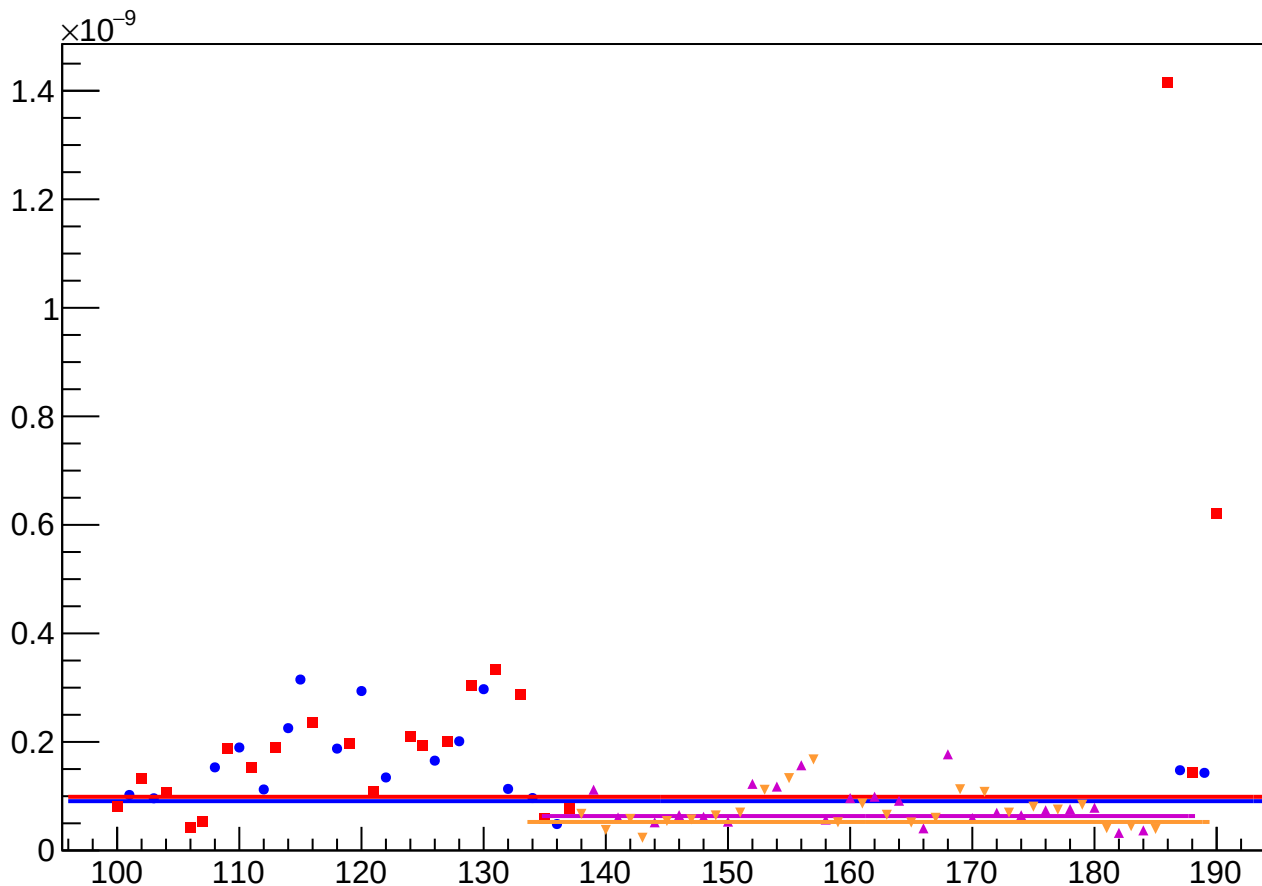
Left In: -0.000+/-0.000 χ^2 /NDF:17.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 48.1/42

All: -0.000+/-0.000 χ^2 /NDF: 83.9/87

- sign -0.000+/-0.000 χ^2 /NDF: 35.5/44

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1520132.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2628519.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2486687.4/21

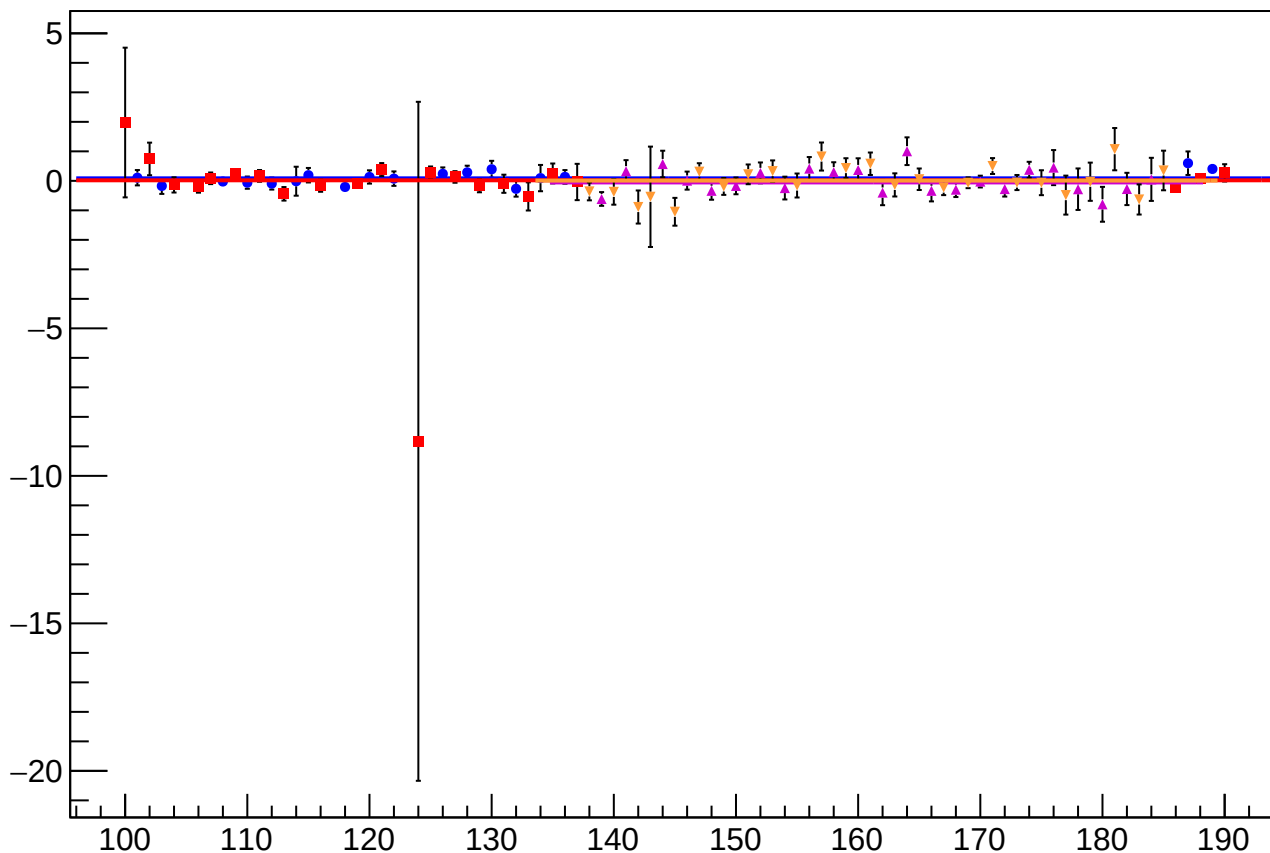
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1788279.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4910675.9/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9988043.9/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4825437.8/44

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

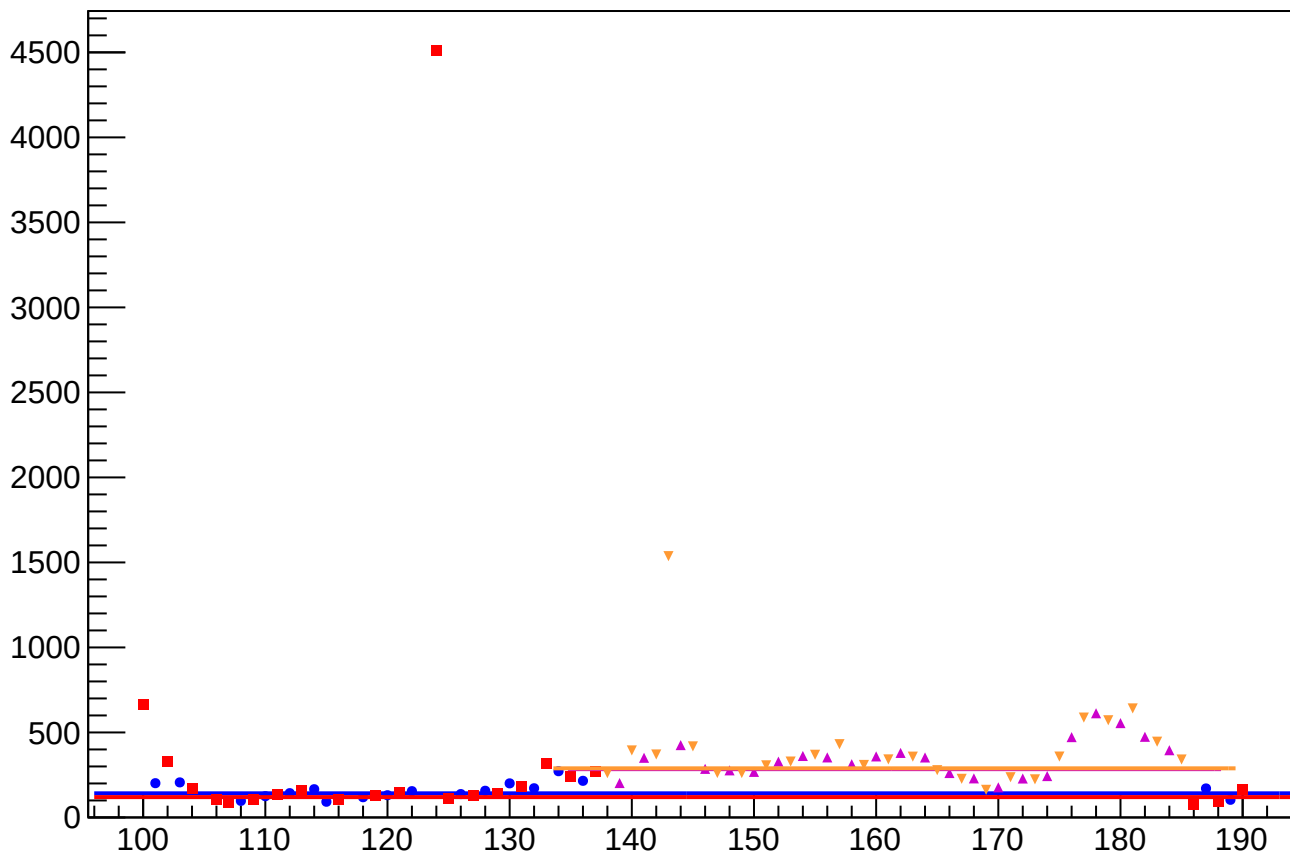
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 141.924+/-0.038 χ^2/NDF : 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF : 4648197.0/24

Right Out: 119.636+/-0.031 χ^2/NDF : 2197259.6/21

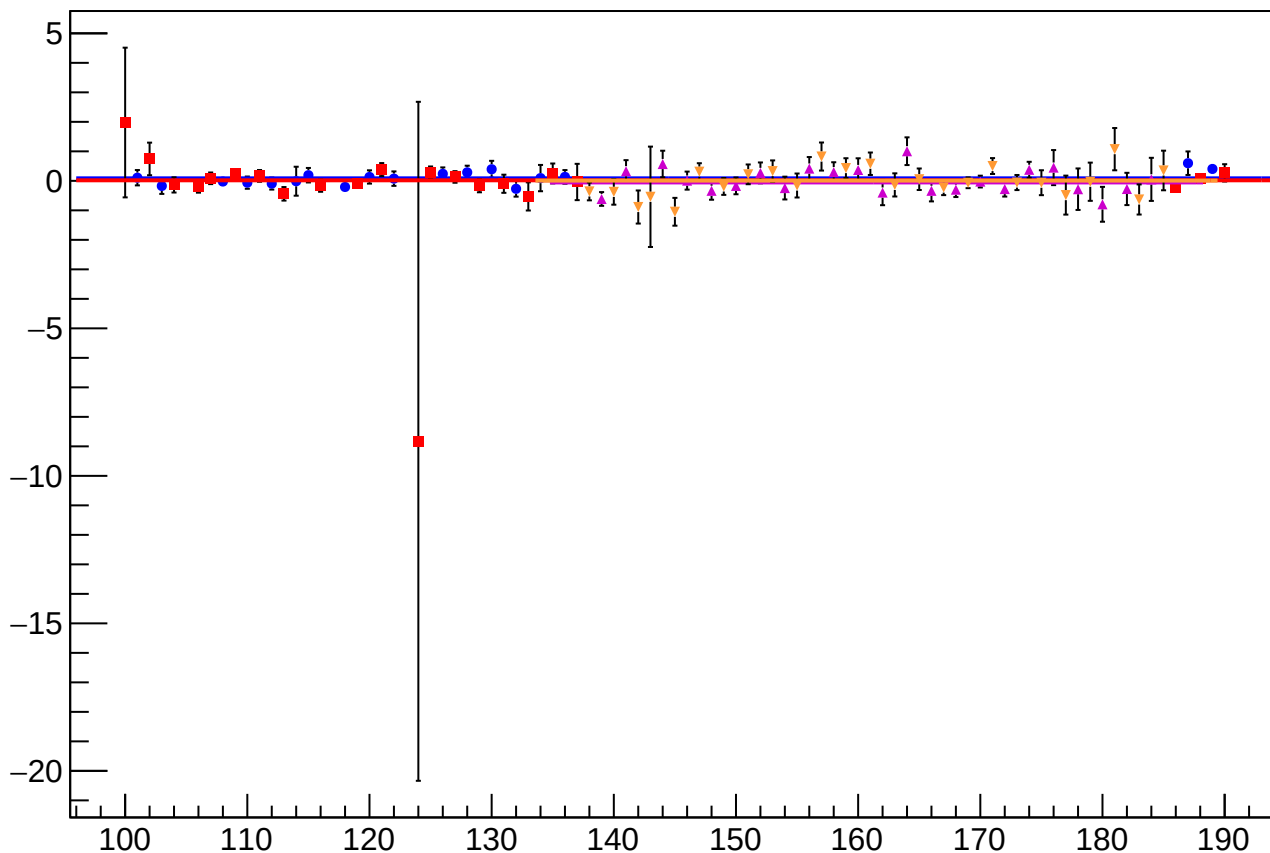
Left In: 284.168+/-0.050 χ^2/NDF : 3077521.1/22

+ sign 195.074+/-0.030 χ^2/NDF : 11268159.1/42

All: 178.852+/-0.020 χ^2/NDF : 24876570.4/87

- sign 166.337+/-0.027 χ^2/NDF : 13097163.0/44

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.085 ± 0.053 χ^2/NDF : 16.5/17

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.019 ± 0.044 χ^2/NDF : 25.5/21

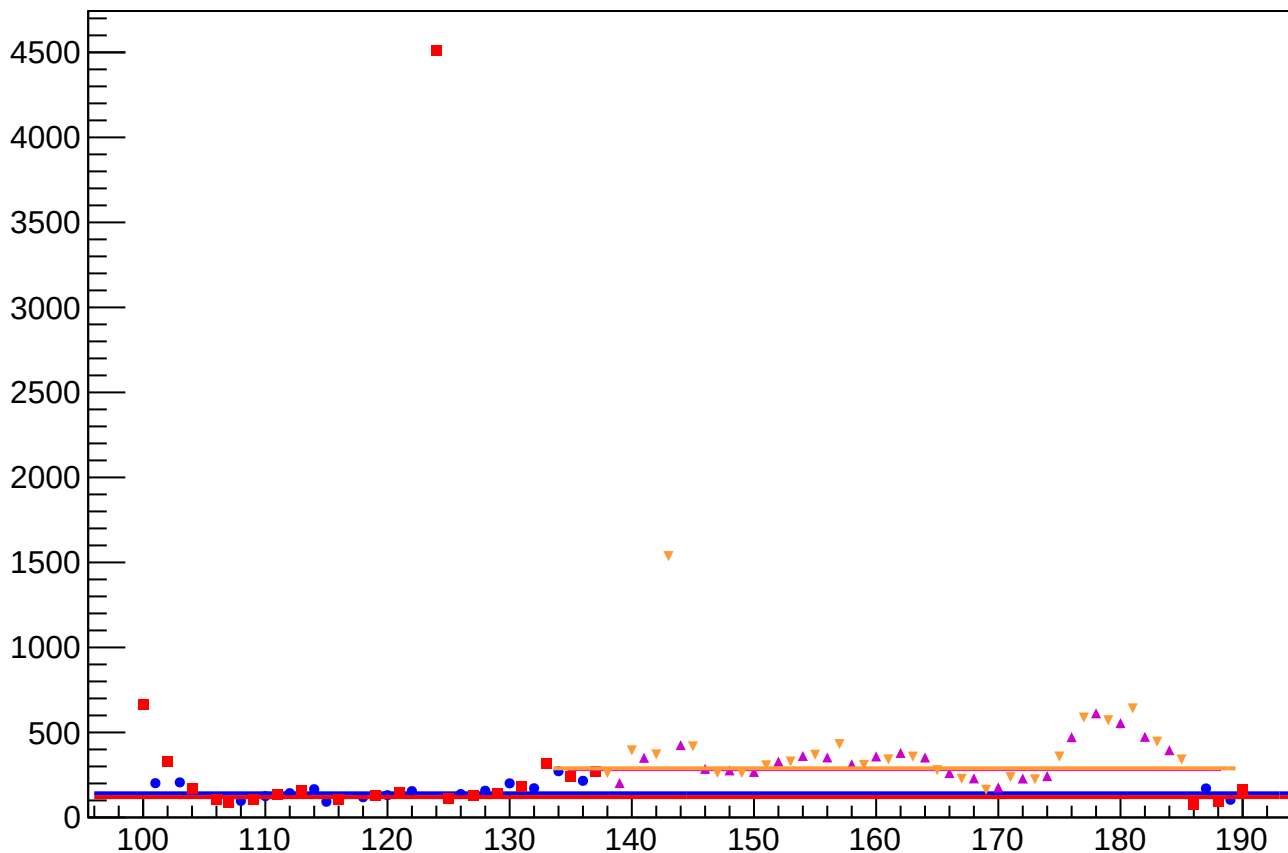
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.057 ± 0.043 χ^2/NDF : 46.1/42

All: 0.024 ± 0.028 χ^2/NDF : 101.2/87

- sign -0.002 ± 0.038 χ^2/NDF : 54.0/44

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.924 $\pm$ 0.038 χ^2 /NDF: 1149472.7/17

Left Out: 288.922 $\pm$ 0.050 χ^2 /NDF: 4648197.0/24

Right Out: 119.636 $\pm$ 0.031 χ^2 /NDF: 2197259.6/21

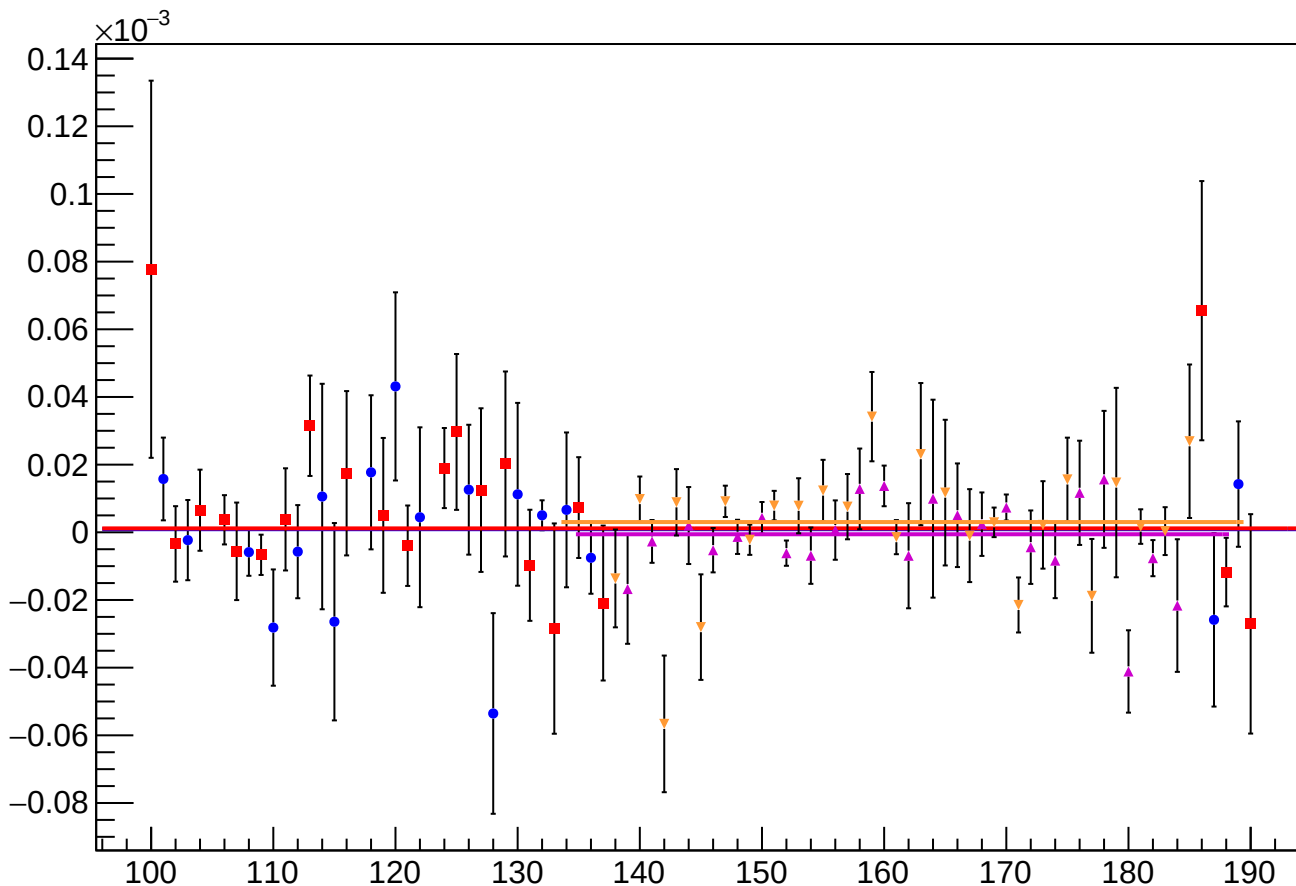
Left In: 284.168 $\pm$ 0.050 χ^2 /NDF: 3077521.1/22

+ sign 195.074 $\pm$ 0.030 χ^2 /NDF: 11268159.1/42

All: 178.852 $\pm$ 0.020 χ^2 /NDF: 24876570.4/87

- sign 166.337 $\pm$ 0.027 χ^2 /NDF: 13097163.0/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 16.5/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 42.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.4/21

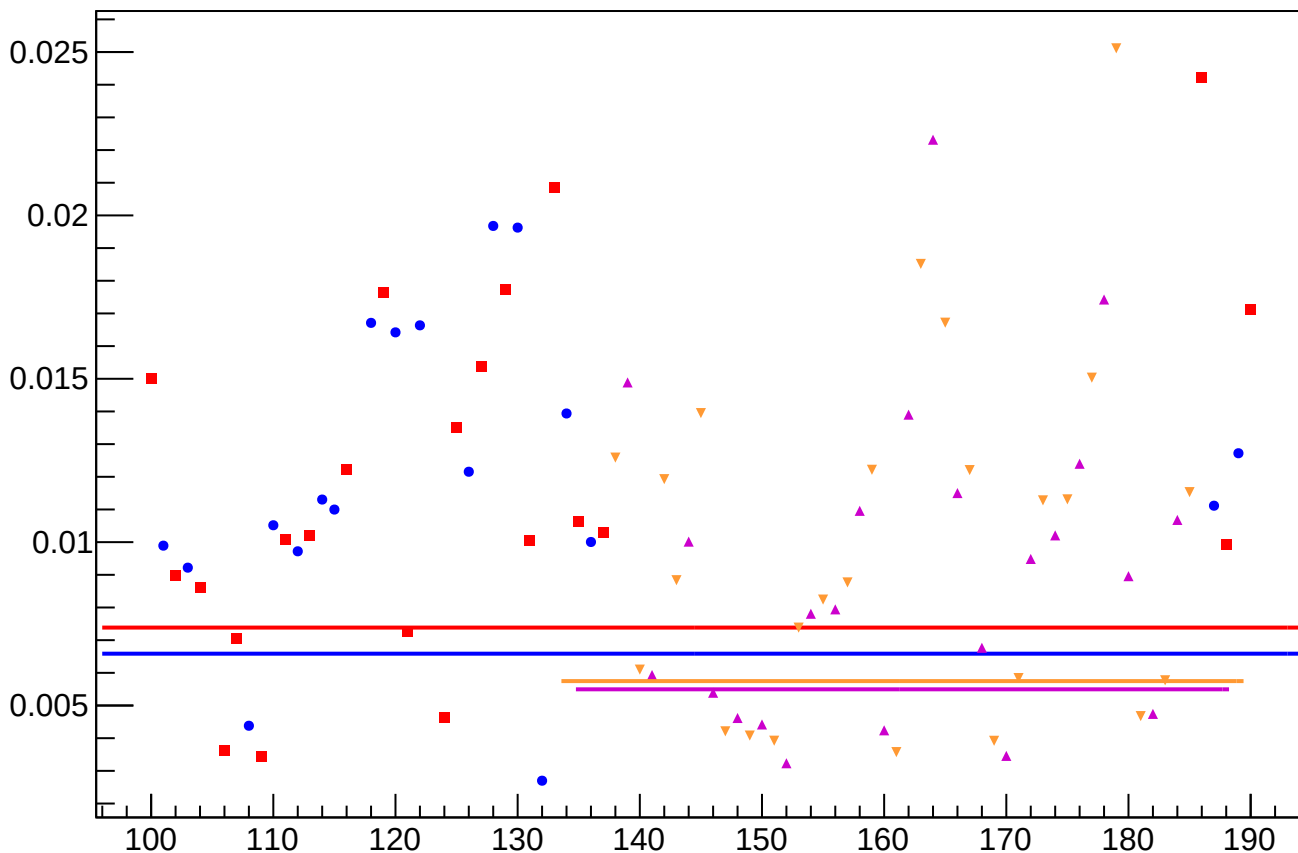
Left In: -0.000 ± 0.000 χ^2/NDF : 33.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 59.1/42

All: 0.000 ± 0.000 χ^2/NDF : 116.1/87

- sign -0.000 ± 0.000 χ^2/NDF : 54.8/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF : 8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4140336.3/21

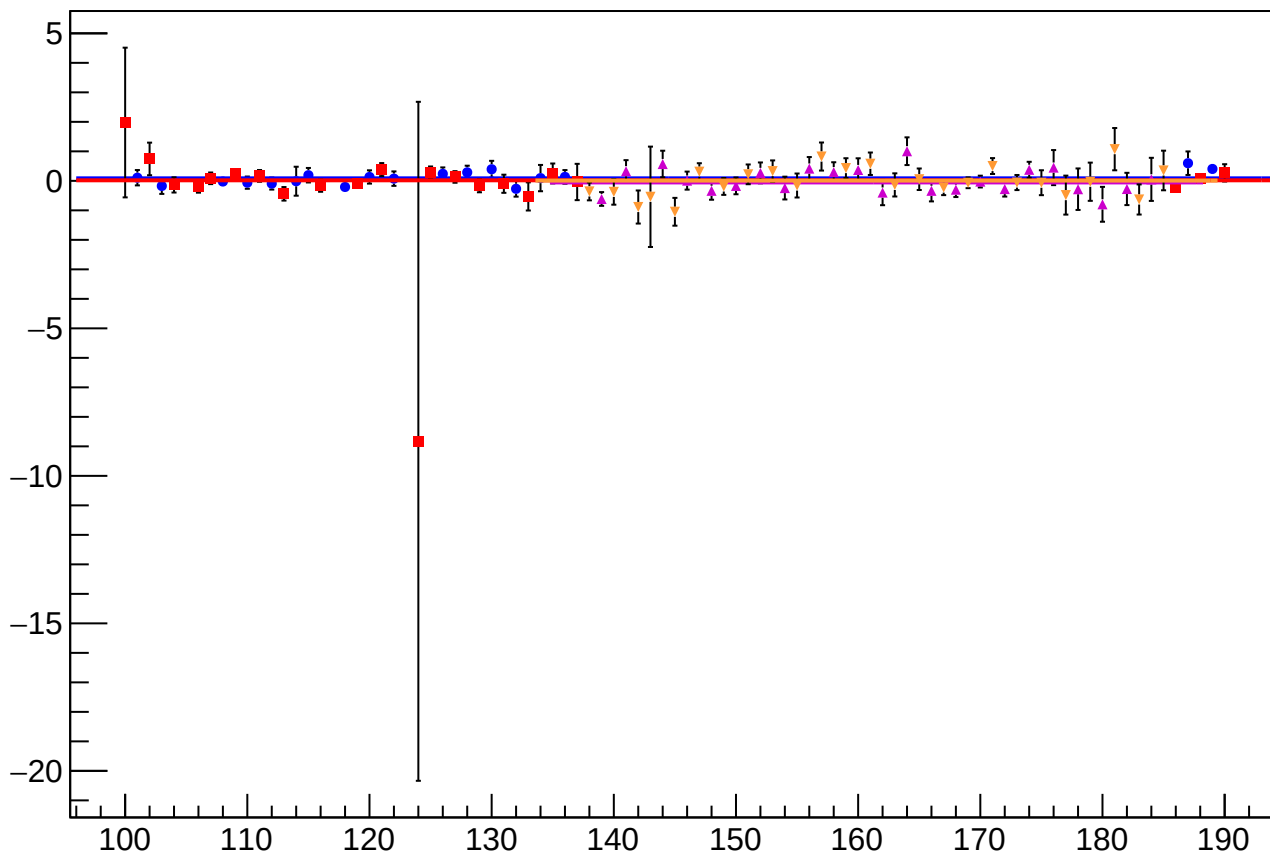
Left In: 0.005+/-0.000 χ^2/NDF : 6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF : 13193582.6/42

All: 0.006+/-0.000 χ^2/NDF : 24949544.1/87

- sign 0.006+/-0.000 χ^2/NDF : 11755665.8/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.085 $\pm$ 0.053 χ^2 /NDF: 16.5/17

Left Out: 0.009 $\pm$ 0.071 χ^2 /NDF: 28.9/24

Right Out: 0.019 $\pm$ 0.044 χ^2 /NDF: 25.5/21

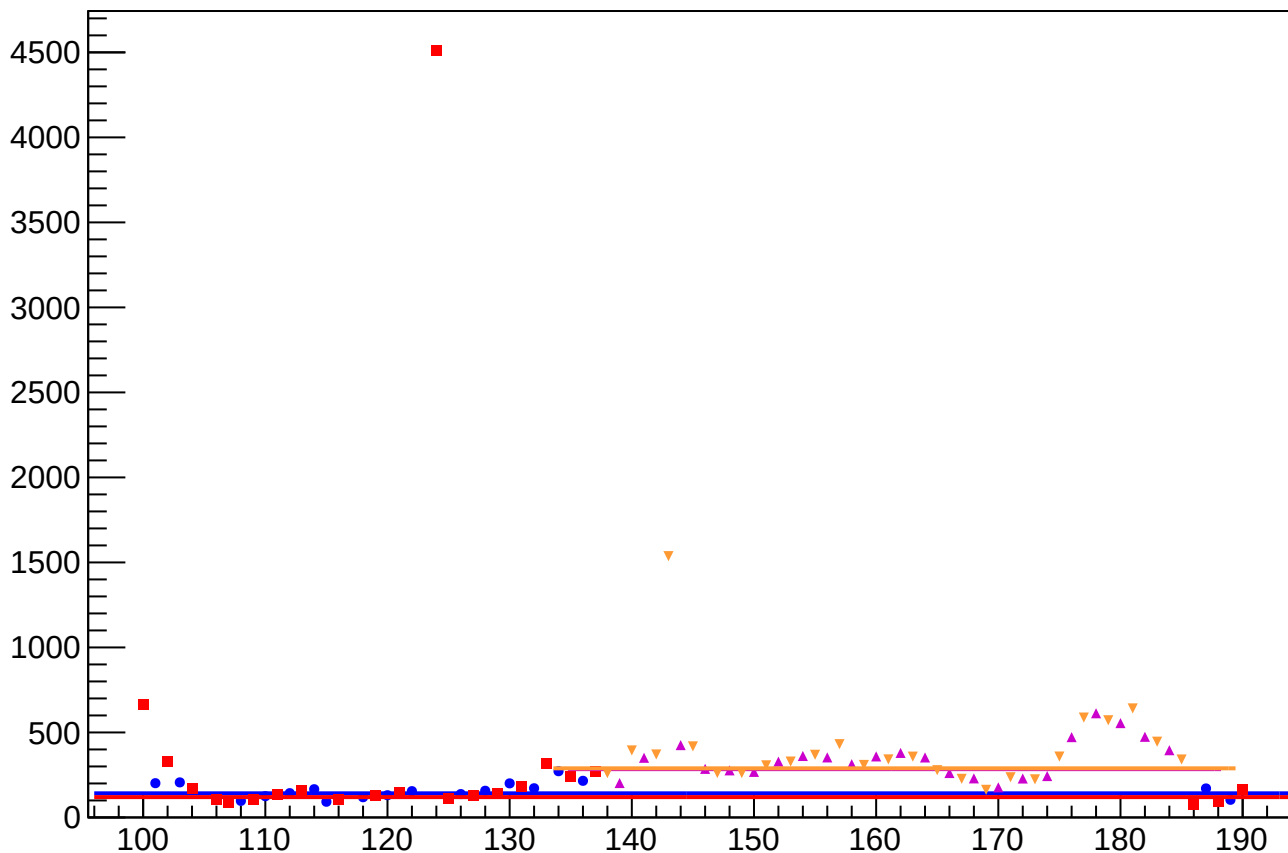
Left In: -0.053 $\pm$ 0.070 χ^2 /NDF: 27.8/22

+ sign 0.057 $\pm$ 0.043 χ^2 /NDF: 46.1/42

All: 0.024 $\pm$ 0.028 χ^2 /NDF: 101.2/87

- sign -0.002 $\pm$ 0.038 χ^2 /NDF: 54.0/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 141.923+/-0.038 χ^2/NDF : 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF : 2197111.3/21

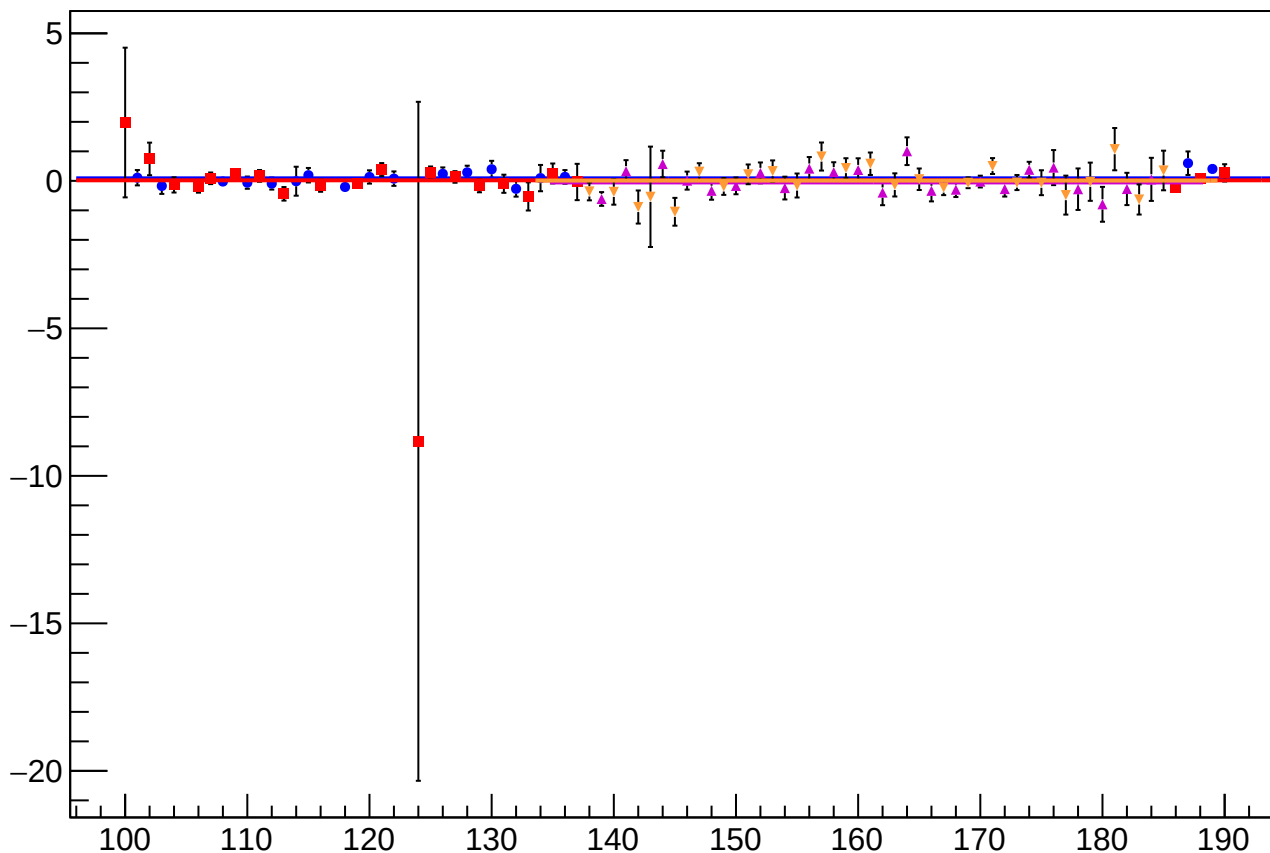
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF : 11268366.3/42

All: 178.853+/-0.020 χ^2/NDF : 24876501.4/87

- sign 166.339+/-0.027 χ^2/NDF : 13096983.9/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.085 ± 0.053 χ^2/NDF : 16.5/17

Left Out: 0.009 ± 0.071 χ^2/NDF : 28.9/24

Right Out: 0.019 ± 0.044 χ^2/NDF : 25.5/21

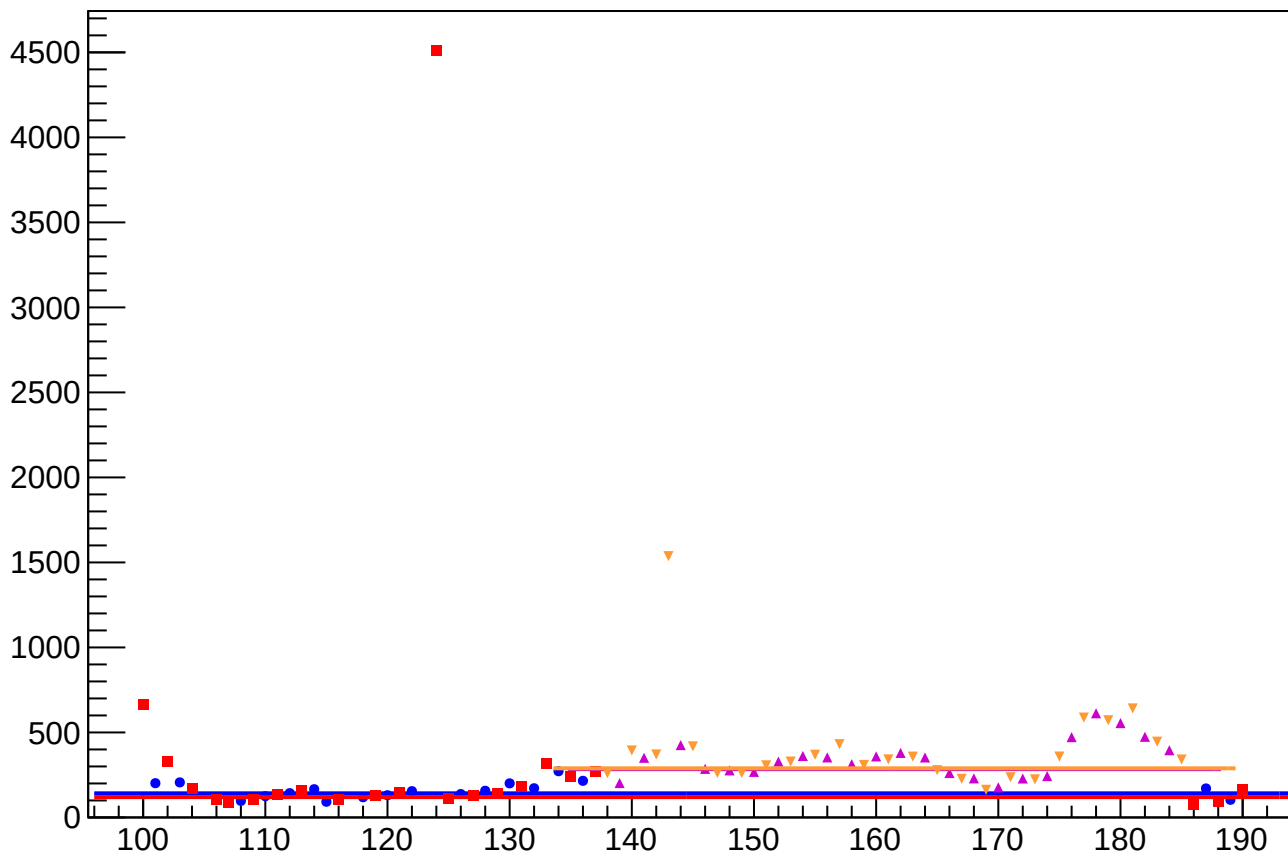
Left In: -0.053 ± 0.070 χ^2/NDF : 27.8/22

+ sign 0.057 ± 0.043 χ^2/NDF : 46.1/42

All: 0.024 ± 0.028 χ^2/NDF : 101.2/87

- sign -0.002 ± 0.038 χ^2/NDF : 54.0/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.923+/-0.038 χ^2/NDF : 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF : 4648388.8/24

Right Out: 119.638+/-0.031 χ^2/NDF : 2197111.3/21

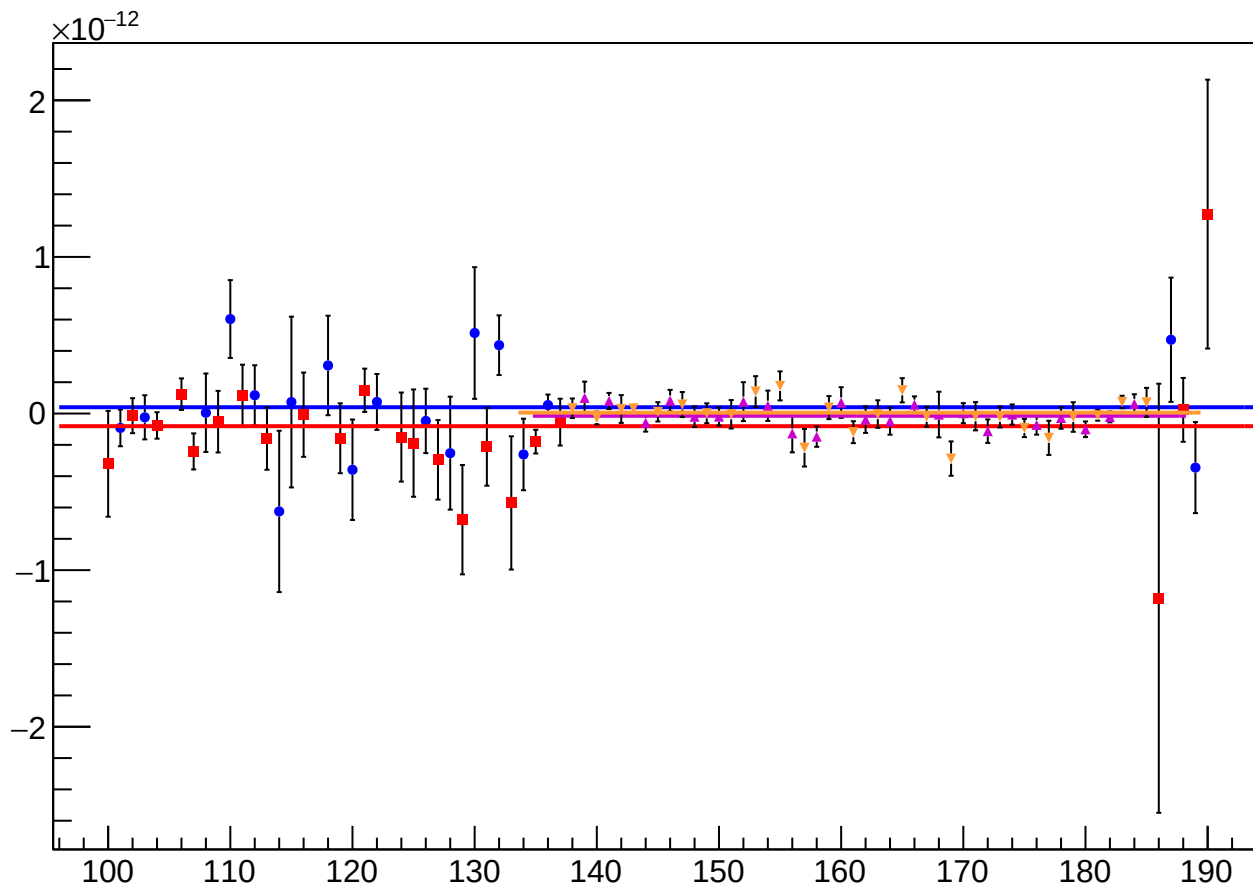
Left In: 284.170+/-0.050 χ^2/NDF : 3077626.7/22

+ sign 195.073+/-0.030 χ^2/NDF : 11268366.3/42

All: 178.853+/-0.020 χ^2/NDF : 24876501.4/87

- sign 166.339+/-0.027 χ^2/NDF : 13096983.9/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 21.9/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 34.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.6/21

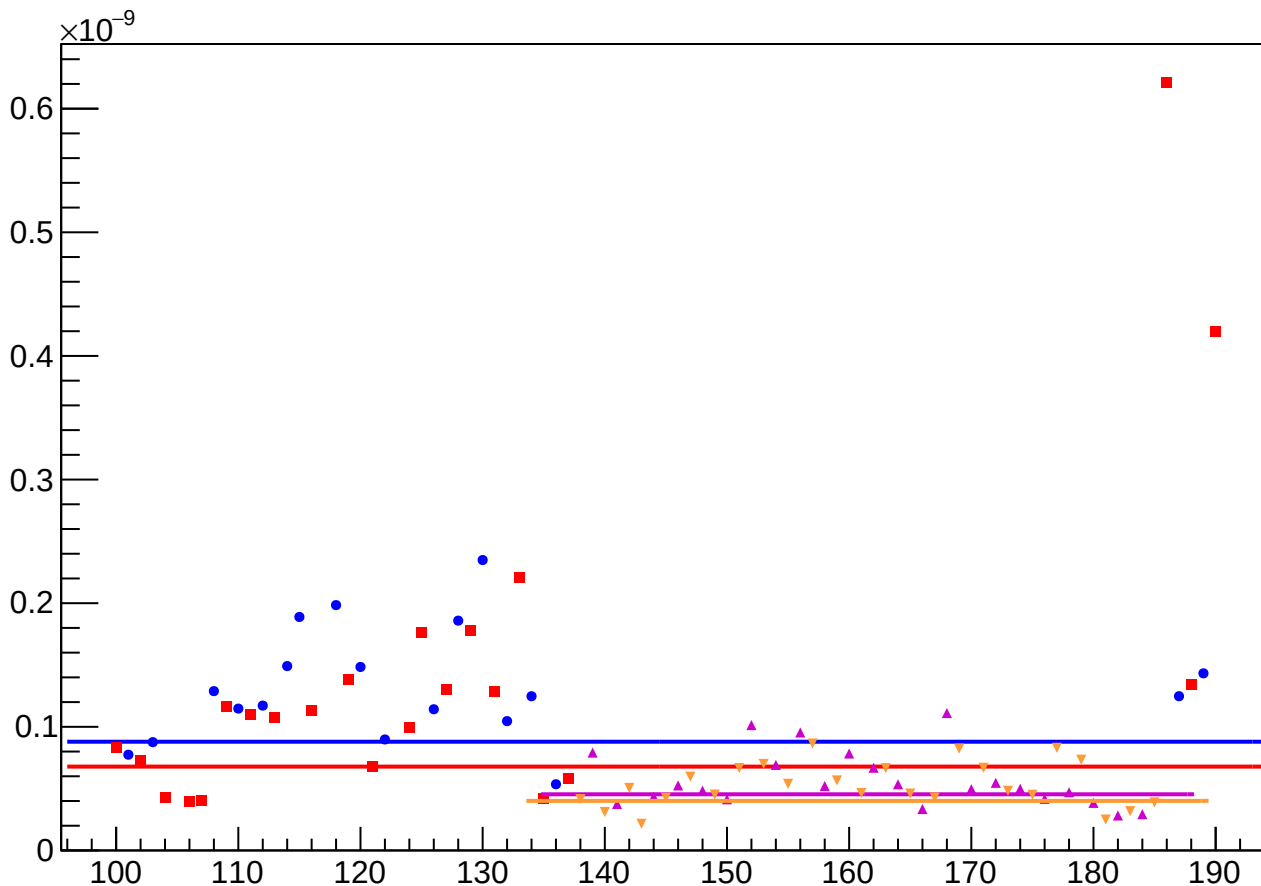
Left In: -0.000 ± 0.000 χ^2/NDF : 23.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 56.7/42

All: -0.000 ± 0.000 χ^2/NDF : 108.3/87

- sign -0.000 ± 0.000 χ^2/NDF : 48.2/44

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3047292.4/21

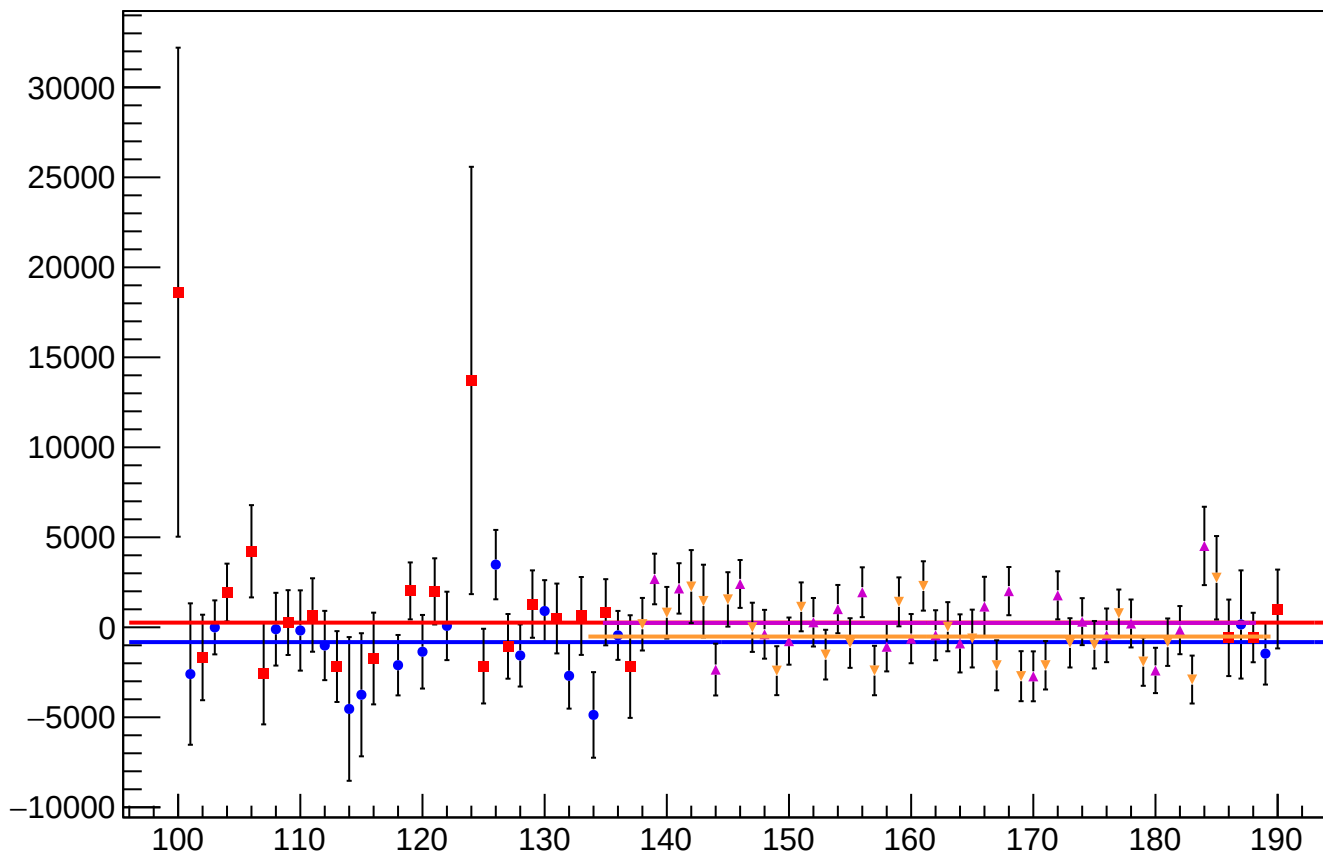
Left In: 0.000+/-0.000 χ^2/NDF : 2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 7654655.6/42

All: 0.000+/-0.000 χ^2/NDF : 14390042.4/87

- sign 0.000+/-0.000 χ^2/NDF : 6586517.2/44

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -822.961 ± 463.363 χ^2/NDF : 13.7/17

Left Out: -514.484 ± 285.945 χ^2/NDF : 30.9/24

Right Out: 259.811 ± 438.707 χ^2/NDF : 16.3/21

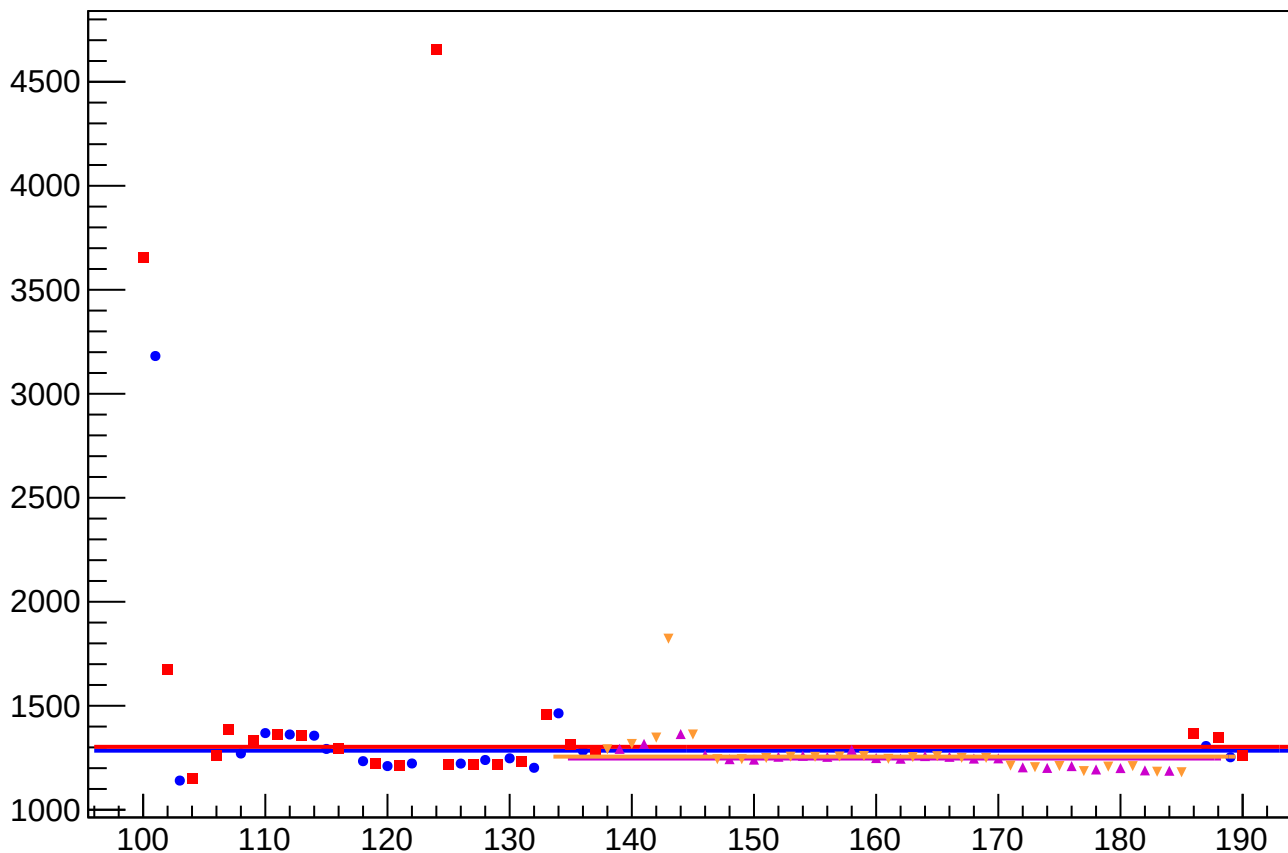
Left In: 242.686 ± 291.166 χ^2/NDF : 32.0/22

+ sign -599.560 ± 243.340 χ^2/NDF : 44.9/42

All: -174.525 ± 171.804 χ^2/NDF : 99.3/87

- sign 247.922 ± 242.598 χ^2/NDF : 48.3/44

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF : 518949.5/17

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.1/24

Right Out: 1302.580+/-0.310 χ^2/NDF : 332936.4/21

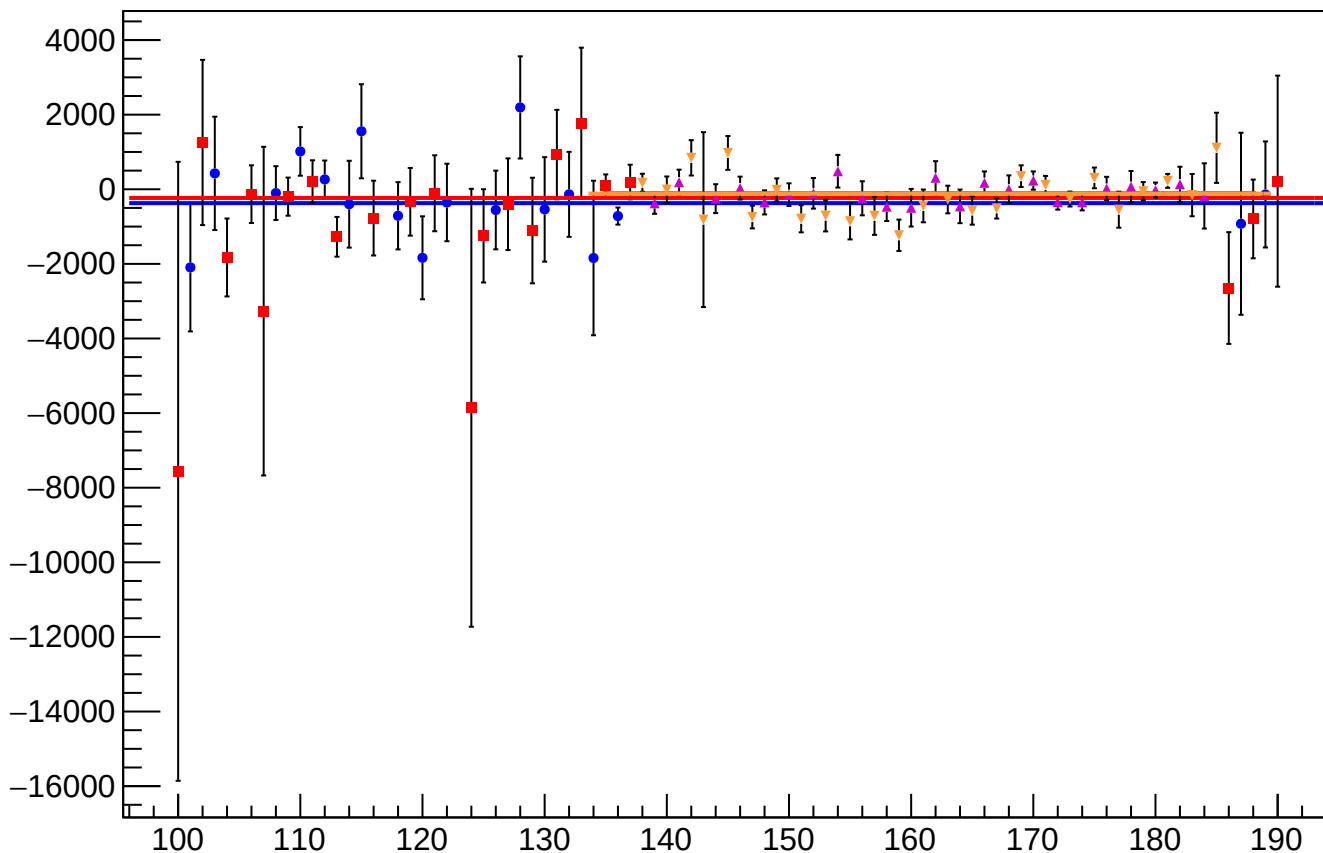
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF : 727599.9/42

All: 1263.478+/-0.121 χ^2/NDF : 1123198.8/87

- sign 1263.548+/-0.172 χ^2/NDF : 395598.6/44

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug



Right In: -371.698 ± 166.648 χ^2/NDF : 18.2/17

Left Out: -117.028 ± 65.059 χ^2/NDF : 48.4/24

Right Out: -232.804 ± 166.103 χ^2/NDF : 17.6/21

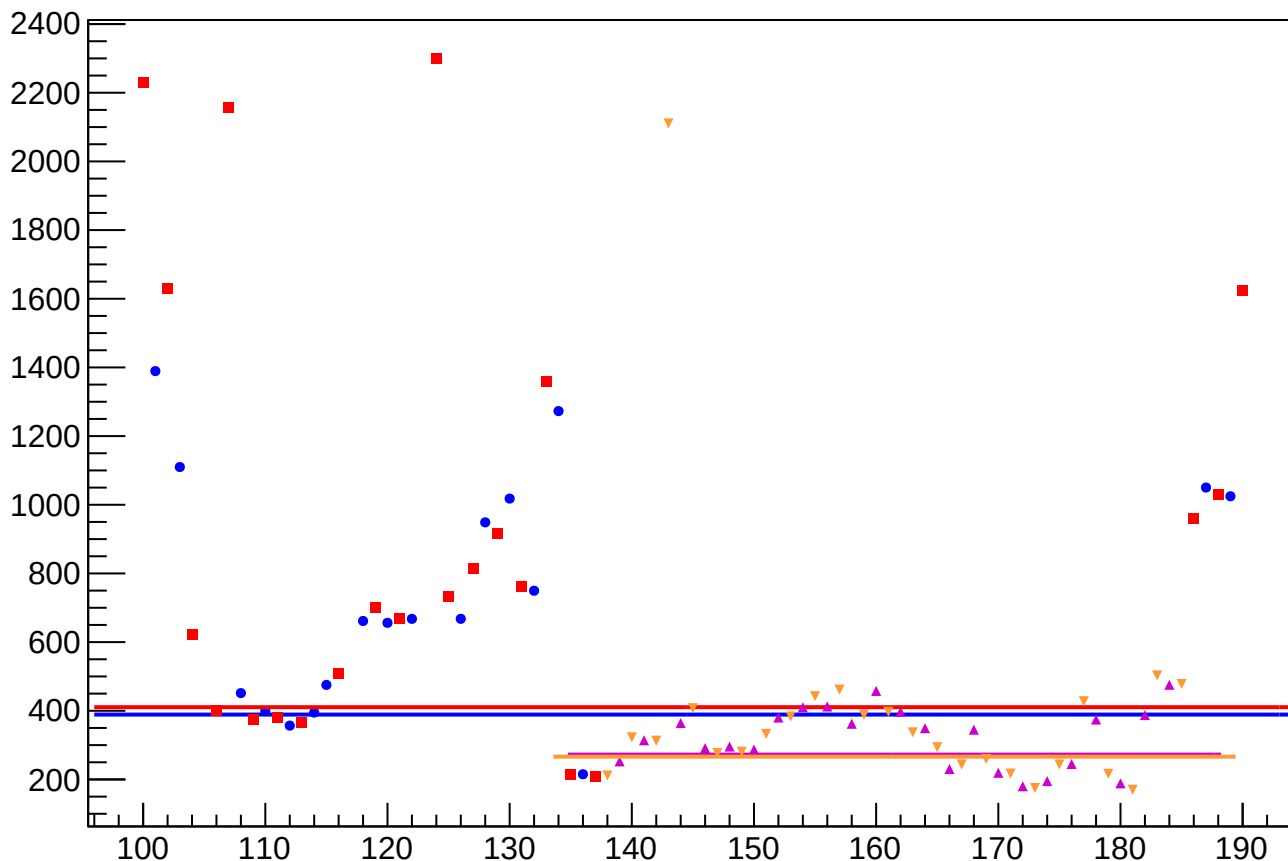
Left In: -107.341 ± 67.001 χ^2/NDF : 13.7/22

+ sign -150.709 ± 60.604 χ^2/NDF : 68.7/42

All: -138.126 ± 43.385 χ^2/NDF : 100.6/87

- sign -124.898 ± 62.136 χ^2/NDF : 31.8/44

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 388.937 ± 0.118 $\chi^2/\text{NDF}: 4747435.1/17$

Left Out: 266.321 ± 0.046 $\chi^2/\text{NDF}: 4630130.4/24$

Right Out: 410.485 ± 0.117 $\chi^2/\text{NDF}: 5433187.9/21$

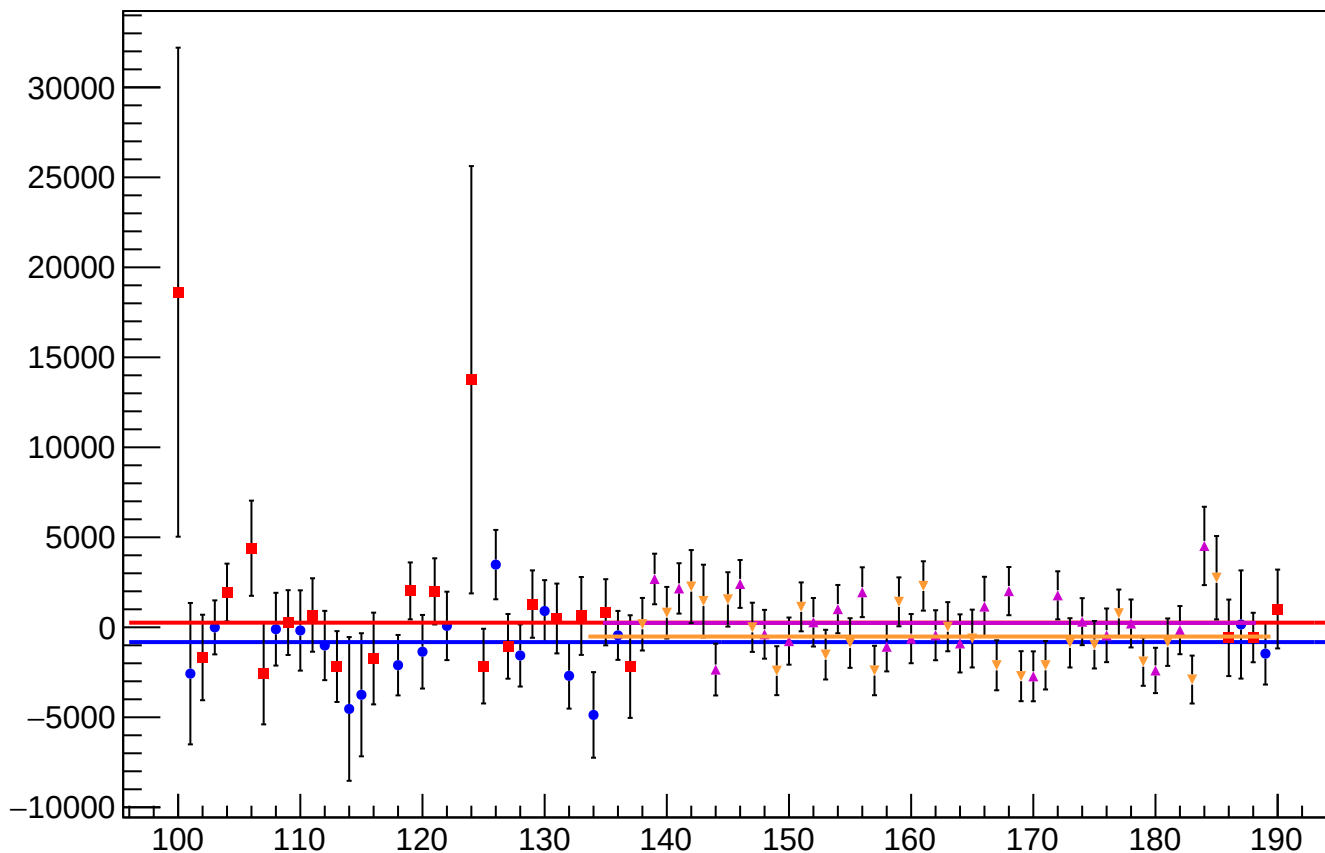
Left In: 272.368 ± 0.047 $\chi^2/\text{NDF}: 2887823.5/22$

+ sign 282.537 ± 0.043 $\chi^2/\text{NDF}: 10317111.4/42$

All: 287.002 ± 0.031 $\chi^2/\text{NDF}: 19849710.1/87$

- sign 291.696 ± 0.044 $\chi^2/\text{NDF}: 9510331.2/44$

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -822.593+/-463.363 χ^2/NDF : 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF : 30.9/24

Right Out: 257.521+/-439.092 χ^2/NDF : 16.4/21

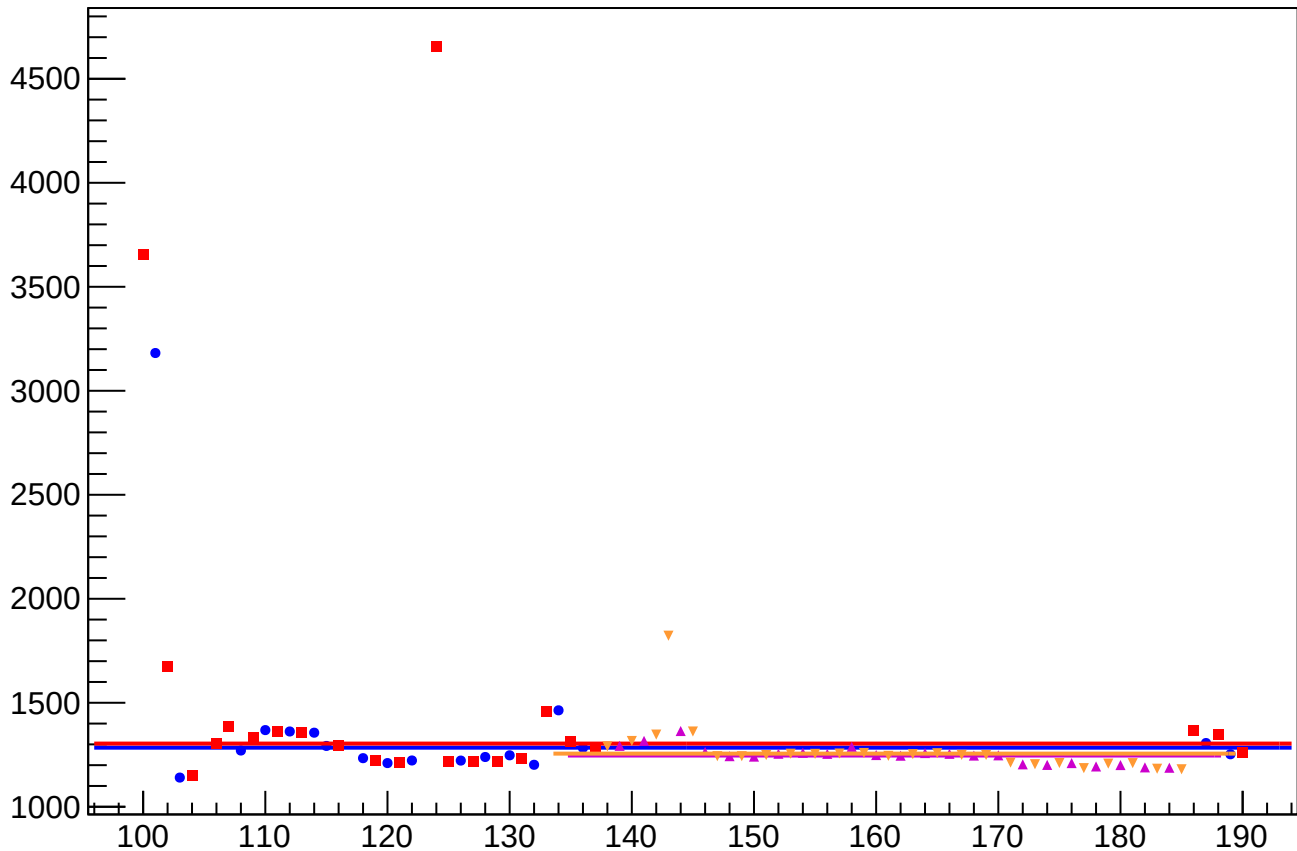
Left In: 242.663+/-291.166 χ^2/NDF : 32.0/22

+ sign -599.419+/-243.340 χ^2/NDF : 44.9/42

All: -174.930+/-171.827 χ^2/NDF : 99.4/87

- sign 247.201+/-242.663 χ^2/NDF : 48.4/44

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF : 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1303.774+/-0.310 χ^2/NDF : 332447.6/21

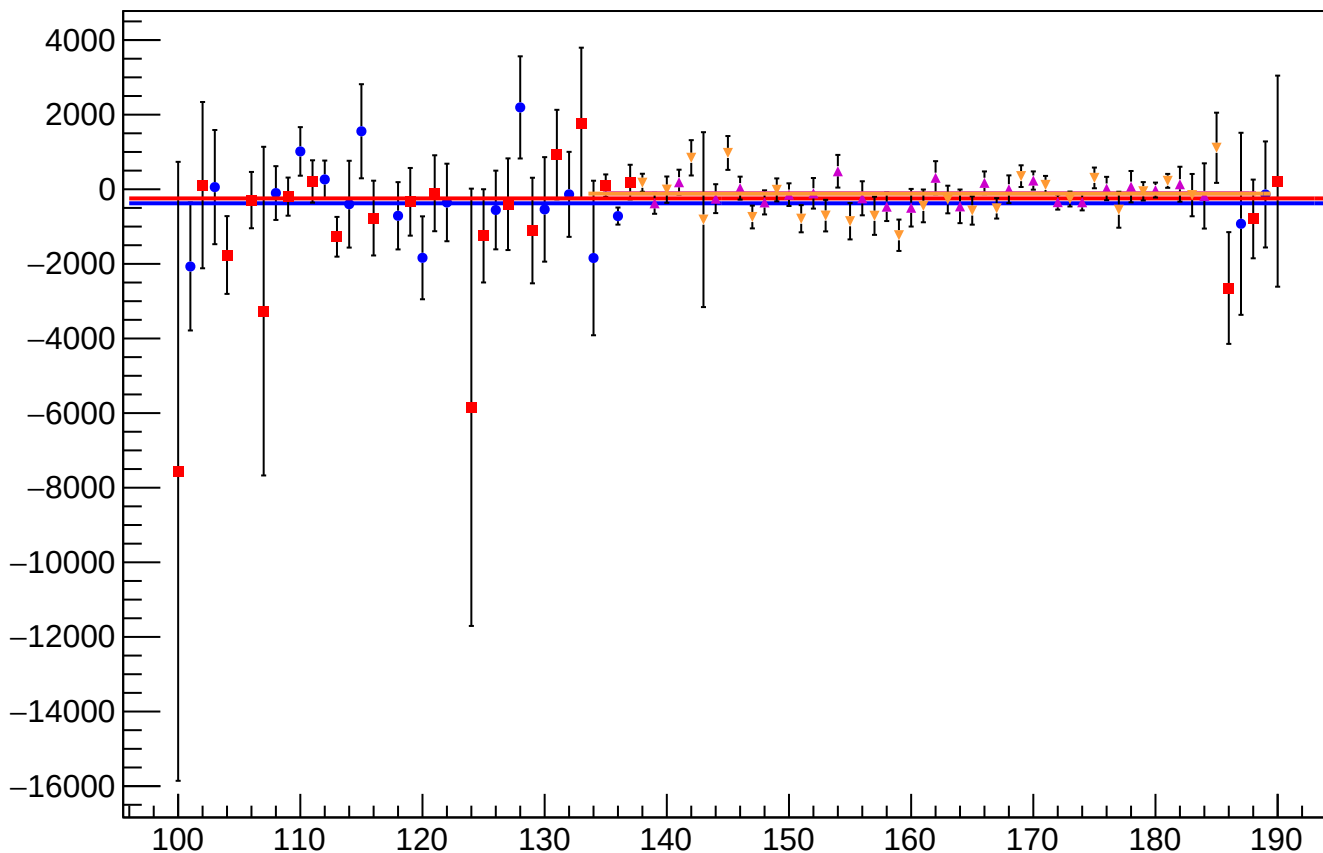
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF : 727601.2/42

All: 1263.650+/-0.122 χ^2/NDF : 1123665.2/87

- sign 1263.892+/-0.172 χ^2/NDF : 396060.0/44

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug



Right In: -376.061 ± 166.667 χ^2/NDF : 18.0/17

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -245.379 ± 165.917 χ^2/NDF : 17.0/21

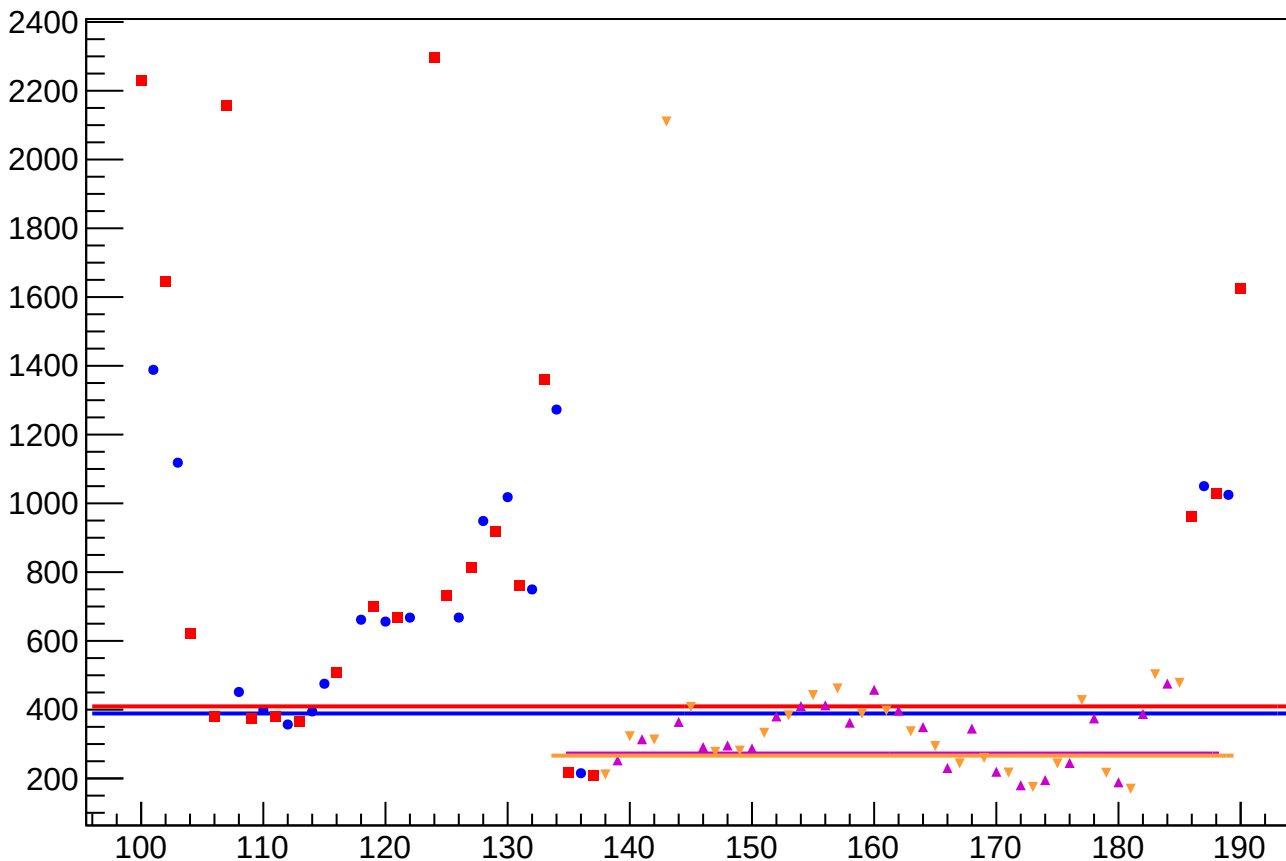
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -151.258 ± 60.606 χ^2/NDF : 68.6/42

All: -139.331 ± 43.383 χ^2/NDF : 99.9/87

- sign -126.798 ± 62.128 χ^2/NDF : 31.3/44

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 388.931 ± 0.118 χ^2/NDF : 4750587.4/17

Left Out: 266.326 ± 0.046 χ^2/NDF : 4630167.4/24

Right Out: 409.523 ± 0.117 χ^2/NDF : 5442365.2/21

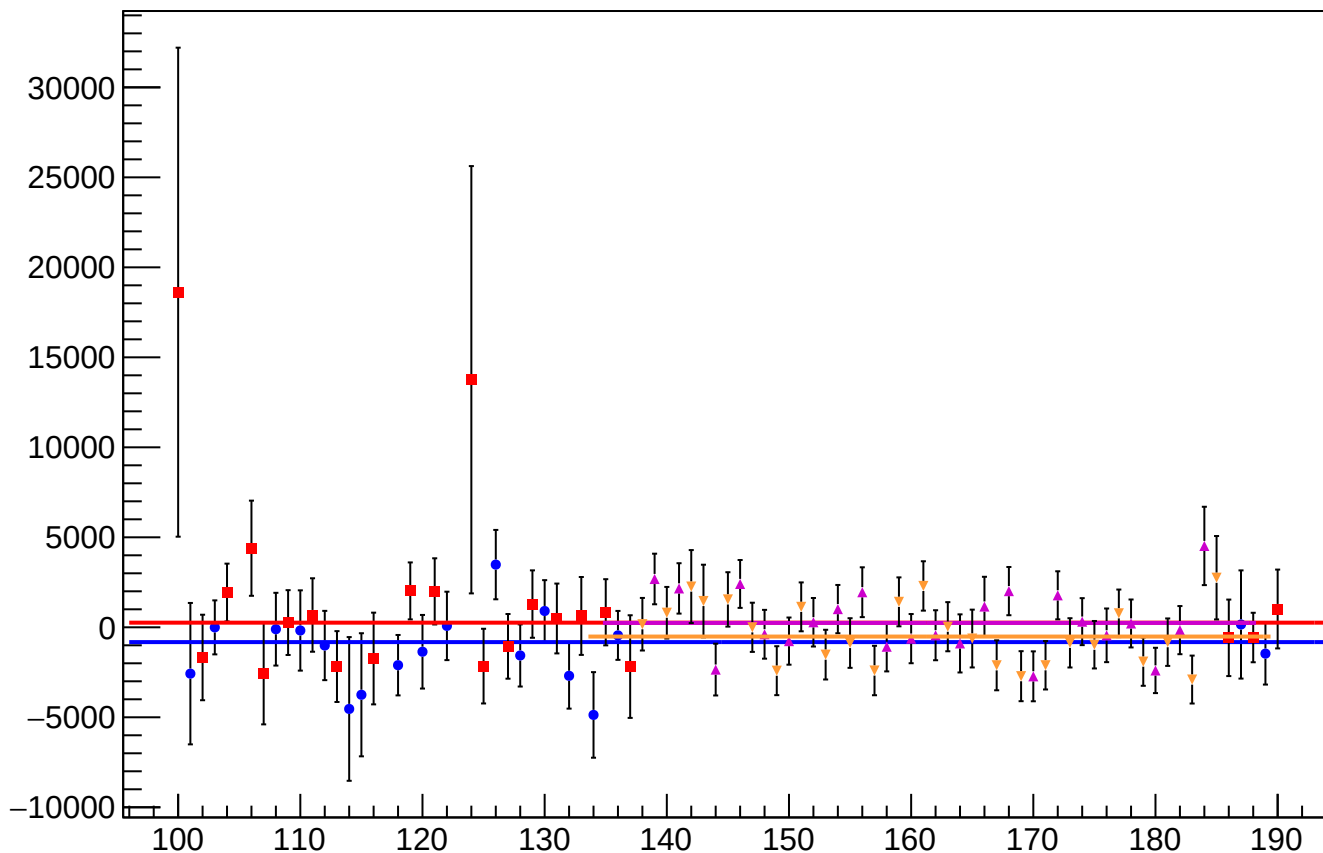
Left In: 272.378 ± 0.047 χ^2/NDF : 2887597.1/22

+ sign 282.539 ± 0.043 χ^2/NDF : 10319934.1/42

All: 286.961 ± 0.031 χ^2/NDF : 19846641.8/87

- sign 291.608 ± 0.044 χ^2/NDF : 9504871.7/44

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -822.593+/-463.363 χ^2/NDF : 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF : 30.9/24

Right Out: 257.521+/-439.092 χ^2/NDF : 16.4/21

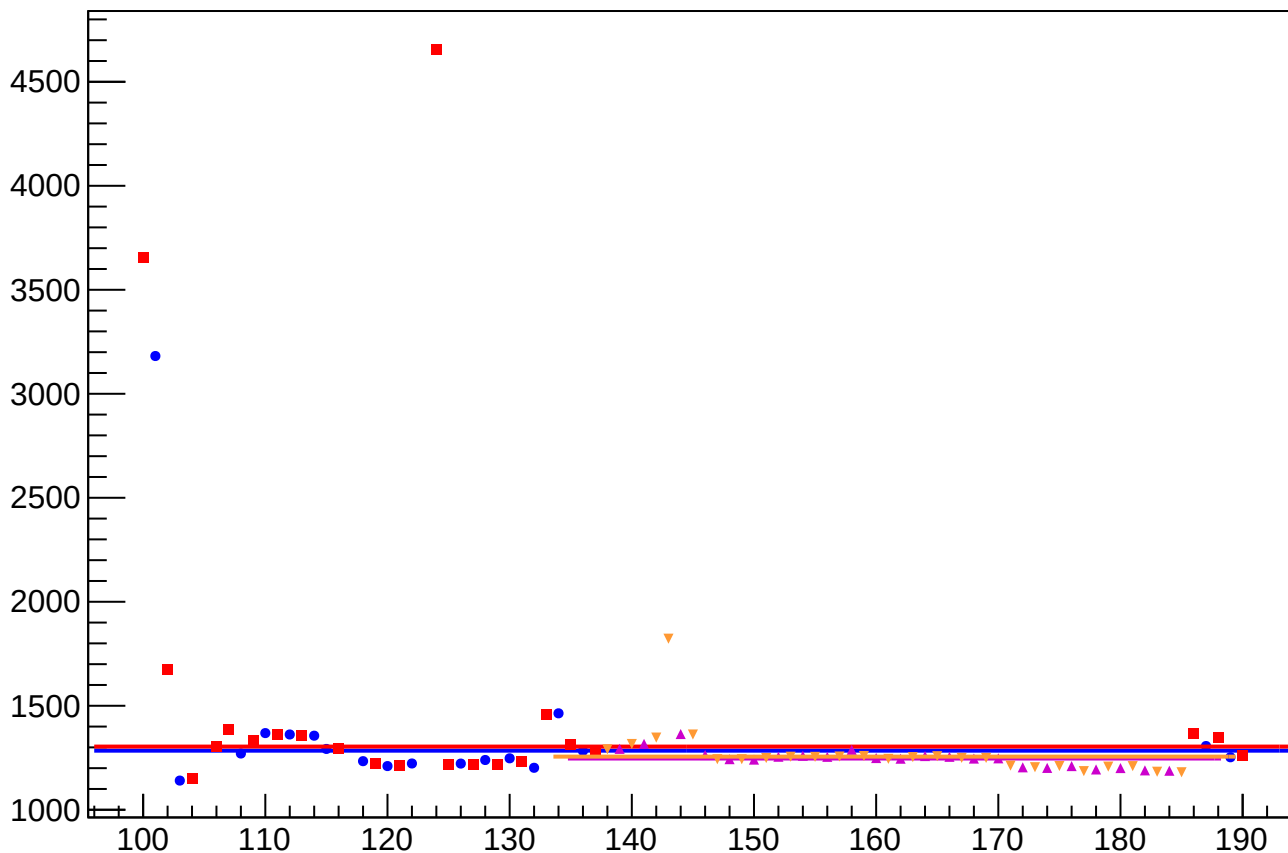
Left In: 242.663+/-291.166 χ^2/NDF : 32.0/22

+ sign -599.419+/-243.340 χ^2/NDF : 44.9/42

All: -174.930+/-171.827 χ^2/NDF : 99.4/87

- sign 247.201+/-242.663 χ^2/NDF : 48.4/44

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.135+/-0.328 χ^2/NDF : 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF : 203124.0/24

Right Out: 1303.774+/-0.310 χ^2/NDF : 332447.6/21

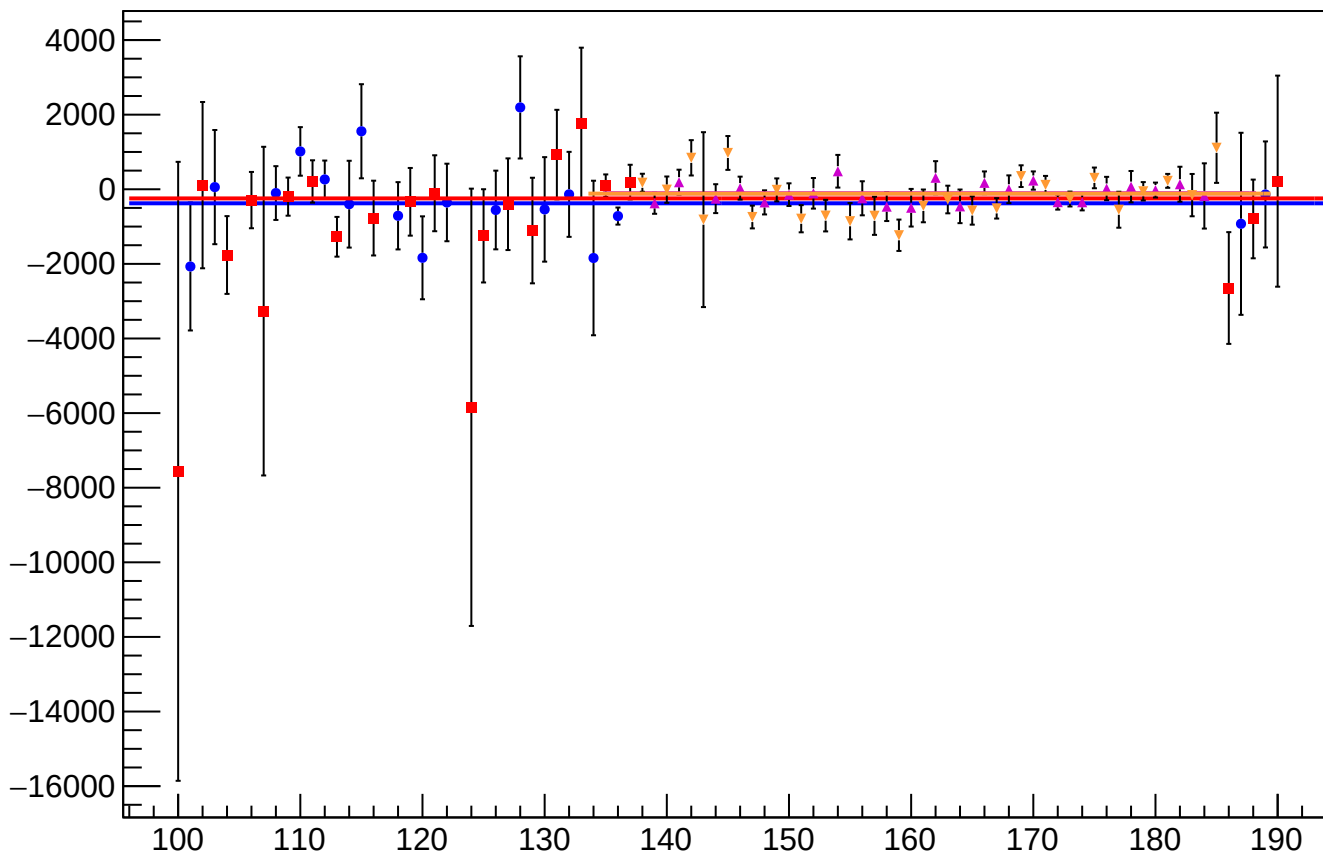
Left In: 1246.355+/-0.206 χ^2/NDF : 39857.0/22

+ sign 1263.408+/-0.172 χ^2/NDF : 727601.2/42

All: 1263.650+/-0.122 χ^2/NDF : 1123665.2/87

- sign 1263.892+/-0.172 χ^2/NDF : 396060.0/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -376.061 ± 166.667 χ^2/NDF : 18.0/17

Left Out: -117.002 ± 65.060 χ^2/NDF : 48.4/24

Right Out: -245.379 ± 165.917 χ^2/NDF : 17.0/21

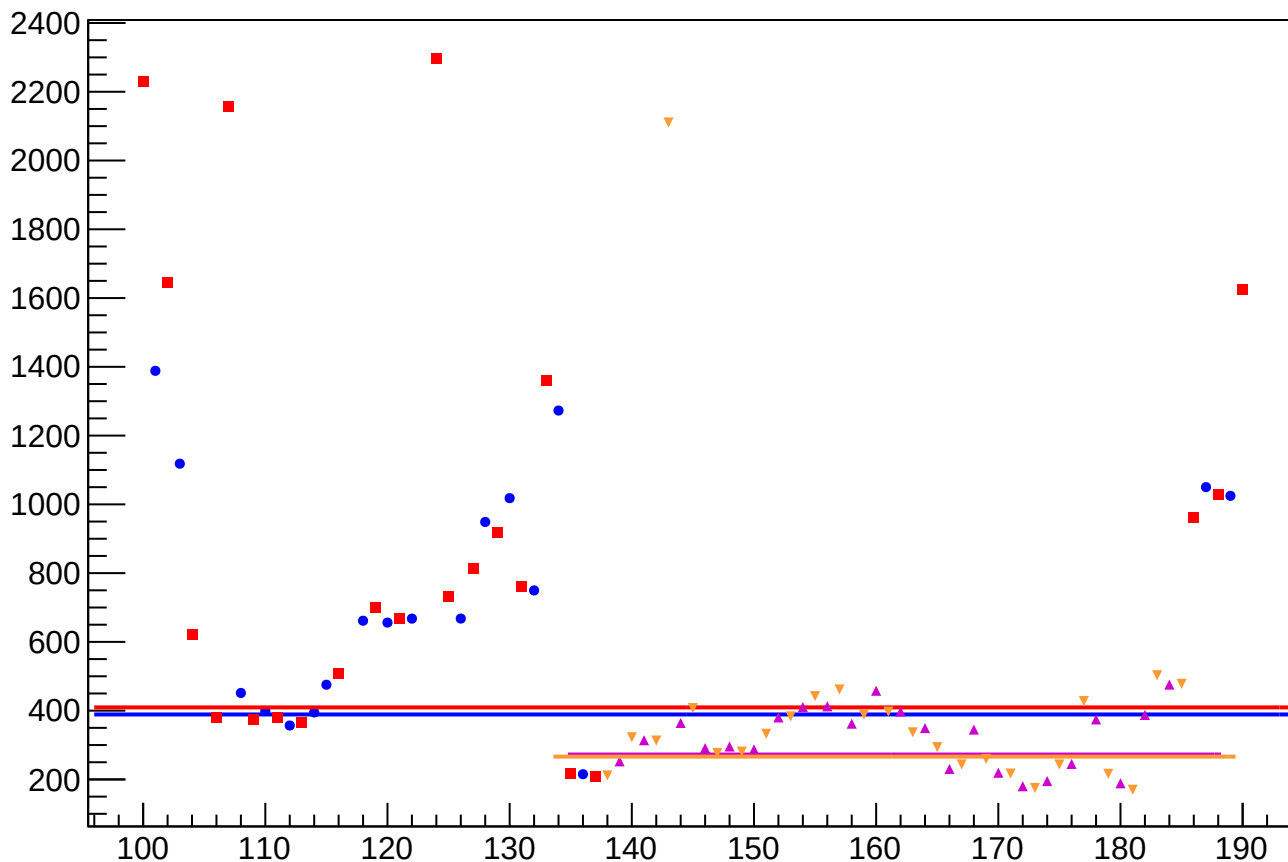
Left In: -107.459 ± 67.003 χ^2/NDF : 13.7/22

+ sign -151.258 ± 60.606 χ^2/NDF : 68.6/42

All: -139.331 ± 43.383 χ^2/NDF : 99.9/87

- sign -126.798 ± 62.128 χ^2/NDF : 31.3/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 388.931+/-0.118 χ^2/NDF : 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF : 4630167.4/24

Right Out: 409.523+/-0.117 χ^2/NDF : 5442365.2/21

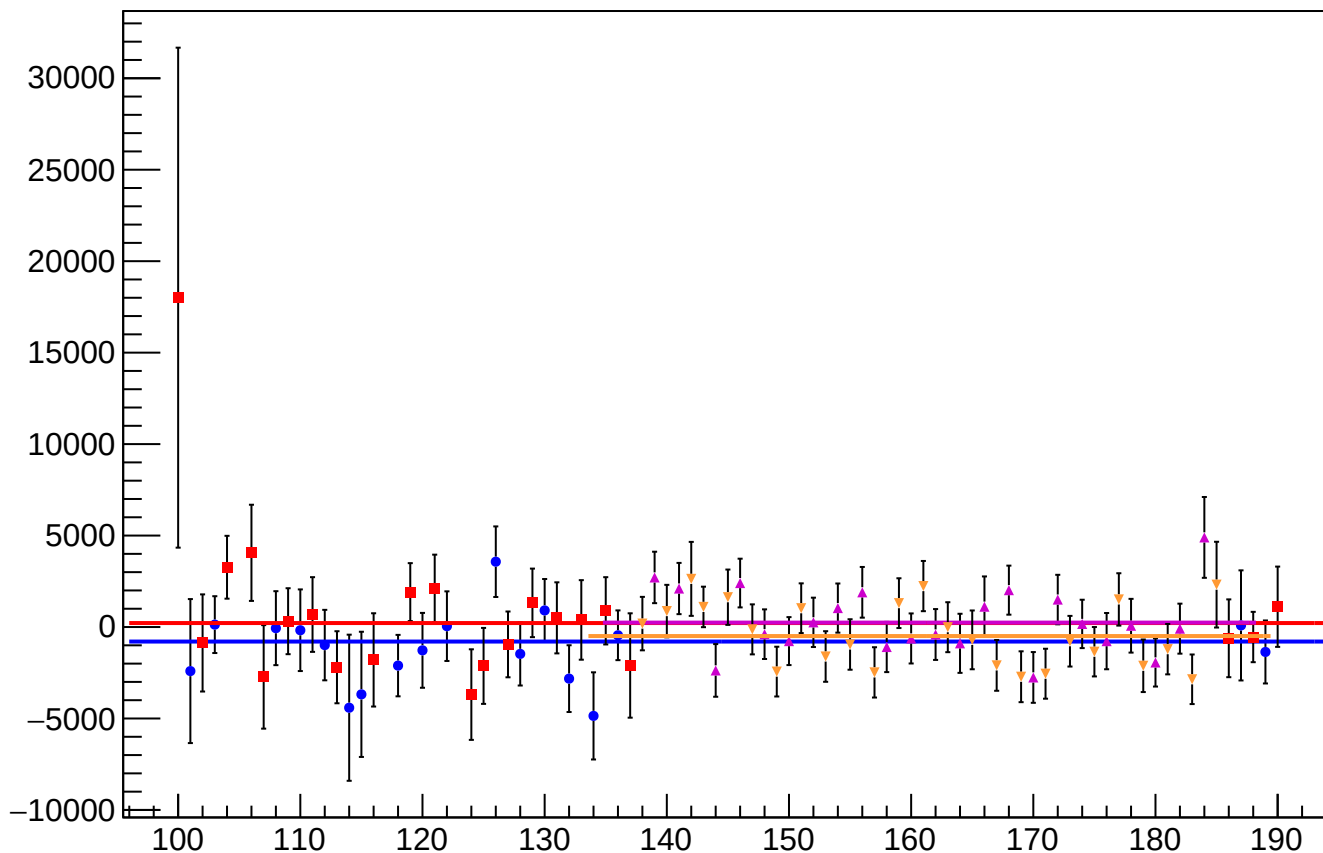
Left In: 272.378+/-0.047 χ^2/NDF : 2887597.1/22

+ sign 282.539+/-0.043 χ^2/NDF : 10319934.1/42

All: 286.961+/-0.031 χ^2/NDF : 19846641.8/87

- sign 291.608+/-0.044 χ^2/NDF : 9504871.7/44

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -794.138 ± 465.277 χ^2/NDF : 13.8/17

Left Out: -493.436 ± 282.734 χ^2/NDF : 34.2/24

Right Out: 217.653 ± 436.447 χ^2/NDF : 18.6/21

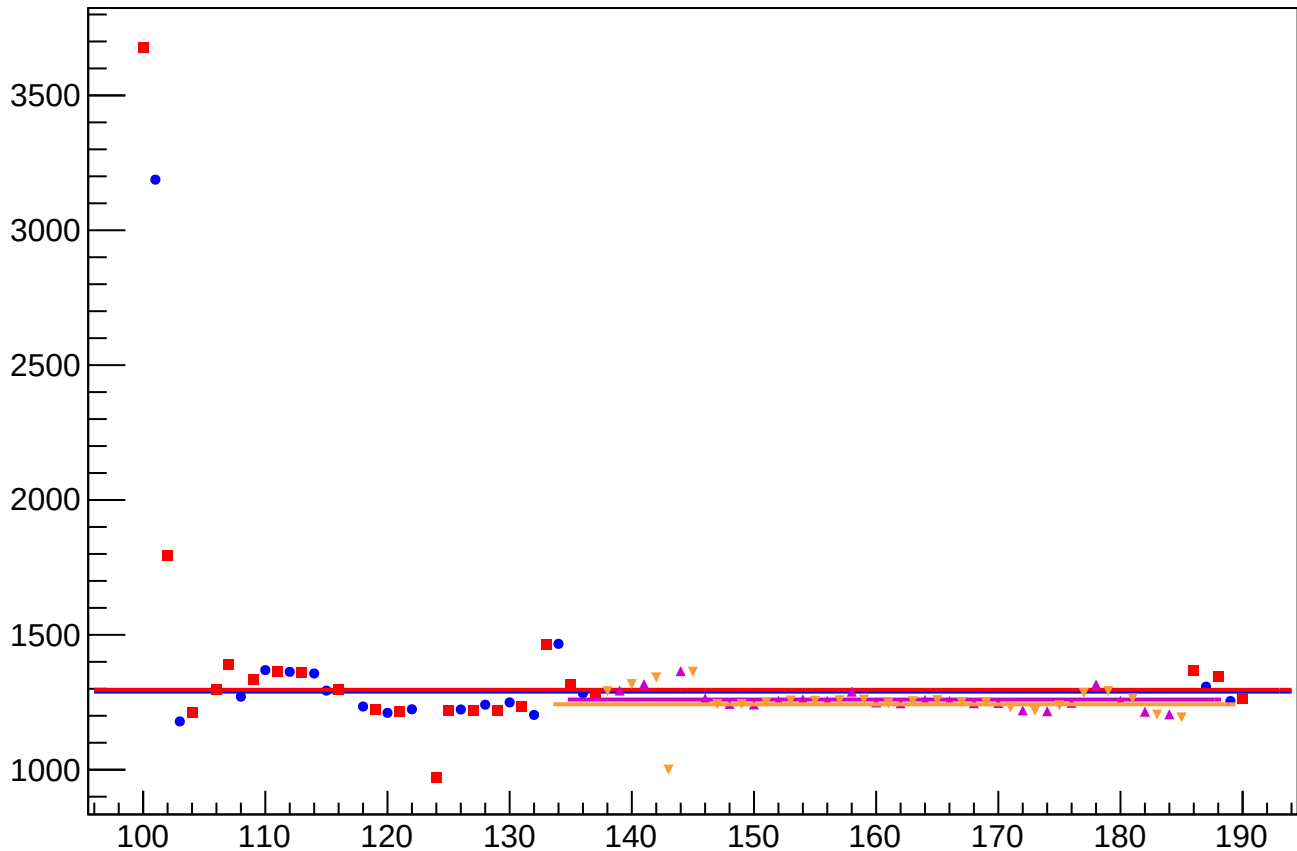
Left In: 242.004 ± 294.339 χ^2/NDF : 30.7/22

+ sign -574.529 ± 241.621 χ^2/NDF : 48.3/42

All: -174.082 ± 171.698 χ^2/NDF : 103.2/87

- sign 234.391 ± 244.031 χ^2/NDF : 49.3/44

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.680 $\pm$ 0.329 χ^2 /NDF: 510361.0/17

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF: 130023.1/24

Right Out: 1296.265 $\pm$ 0.309 χ^2 /NDF: 215191.1/21

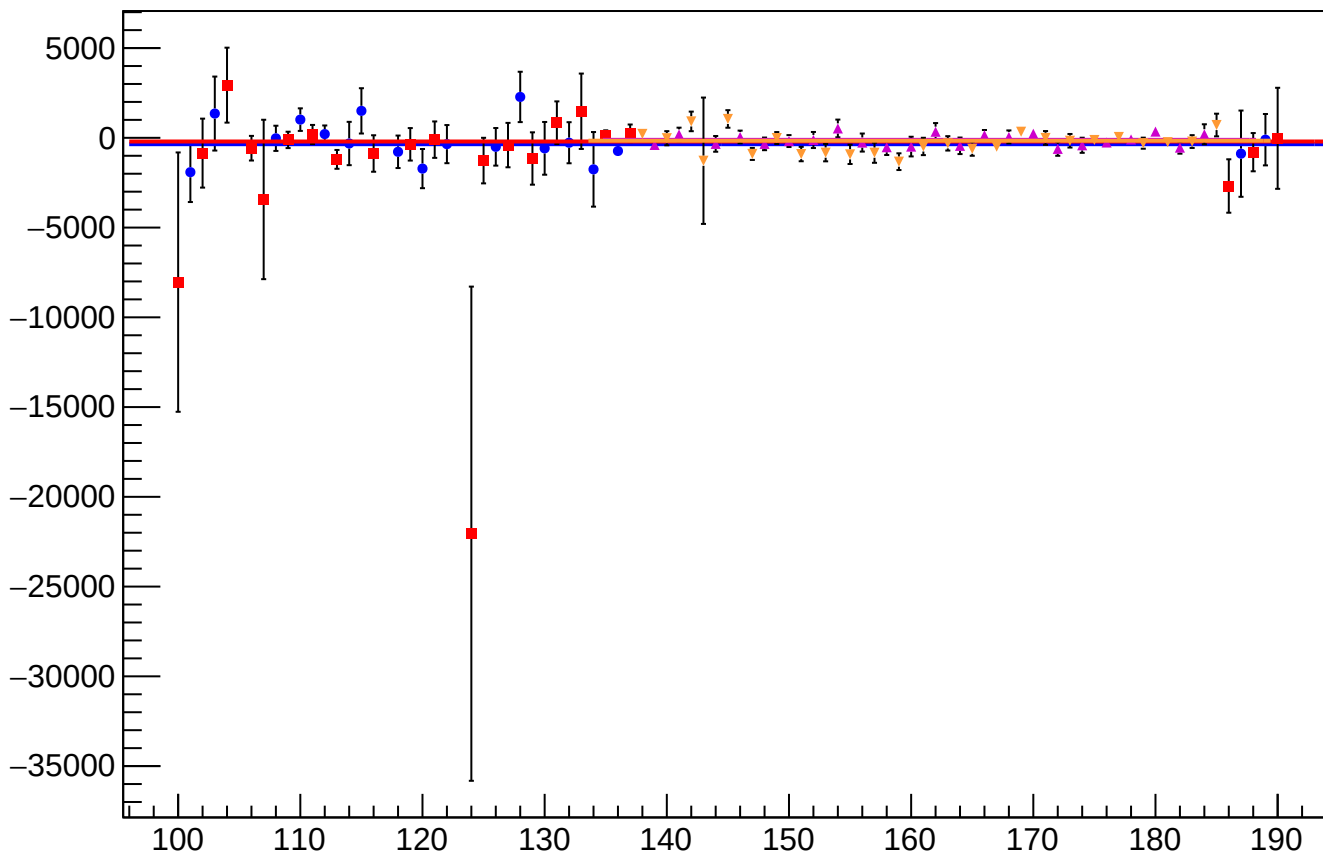
Left In: 1260.094 $\pm$ 0.208 χ^2 /NDF: 27932.1/22

+ sign 1255.252 $\pm$ 0.171 χ^2 /NDF: 655377.8/42

All: 1263.247 $\pm$ 0.121 χ^2 /NDF: 912366.7/87

- sign 1271.402 $\pm$ 0.173 χ^2 /NDF: 252565.7/44

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug



Right In: -354.342 ± 168.369 χ^2/NDF : 18.5/17

Left Out: -160.930 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -204.584 ± 166.210 χ^2/NDF : 19.0/21

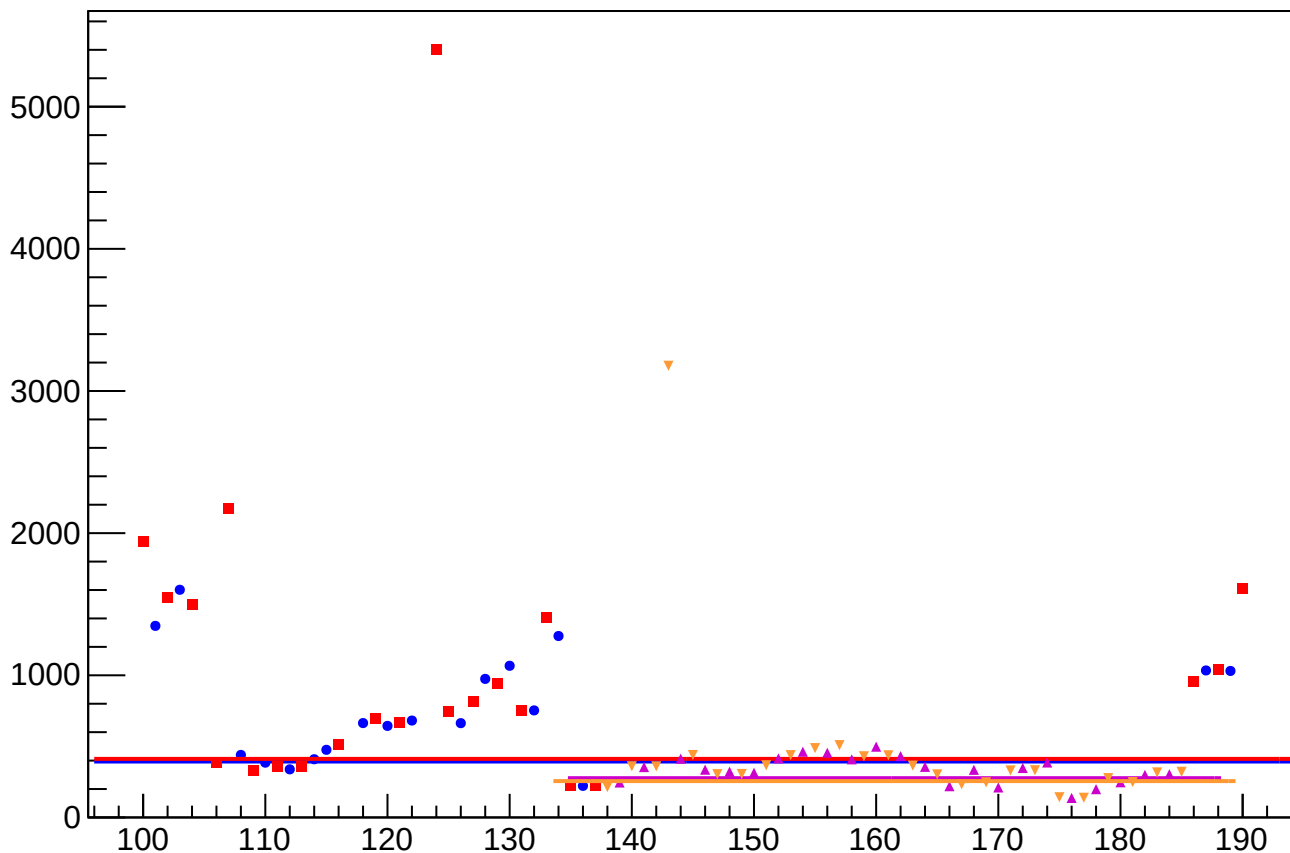
Left In: -113.722 ± 68.841 χ^2/NDF : 18.2/22

+ sign -185.436 ± 59.932 χ^2/NDF : 63.4/42

All: -157.964 ± 43.618 χ^2/NDF : 101.3/87

- sign -127.026 ± 63.601 χ^2/NDF : 37.5/44

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug



Right In: 393.541 $\pm$ 0.119 χ^2 /NDF: 4866722.7/17

Left Out: 255.768 $\pm$ 0.045 χ^2 /NDF: 6373929.4/24

Right Out: 412.008 $\pm$ 0.118 χ^2 /NDF: 5937168.3/21

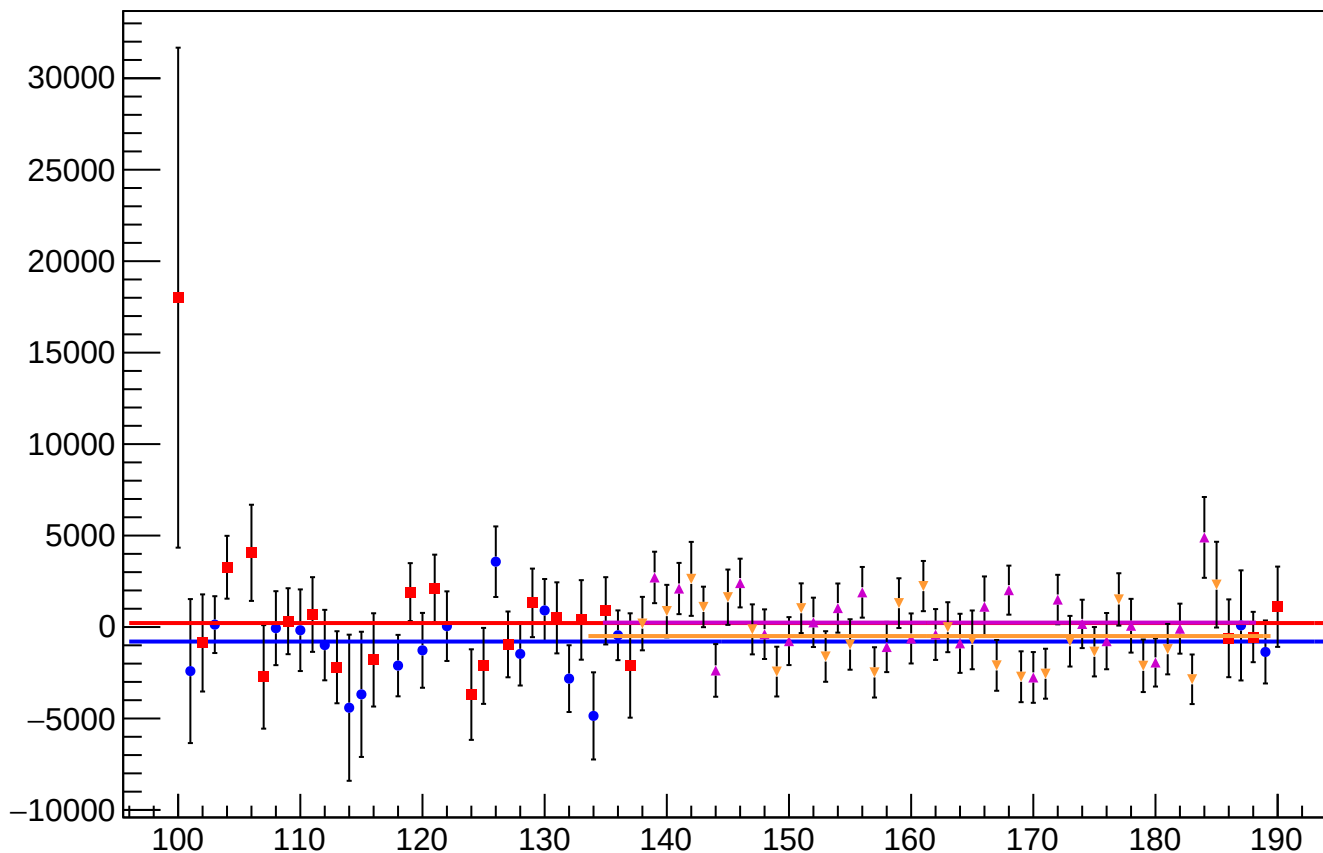
Left In: 276.298 $\pm$ 0.049 χ^2 /NDF: 4027410.5/22

+ sign 273.225 $\pm$ 0.042 χ^2 /NDF: 12410127.2/42

All: 284.016 $\pm$ 0.031 χ^2 /NDF: 23650678.9/87

- sign 296.170 $\pm$ 0.045 χ^2 /NDF: 11102676.6/44

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -794.140+/-465.277 χ^2 /NDF: 13.8/17

Left Out: -493.435+/-282.734 χ^2 /NDF:34.2/24

Right Out: 217.654+/-436.447 χ^2 /NDF: 18.6/21

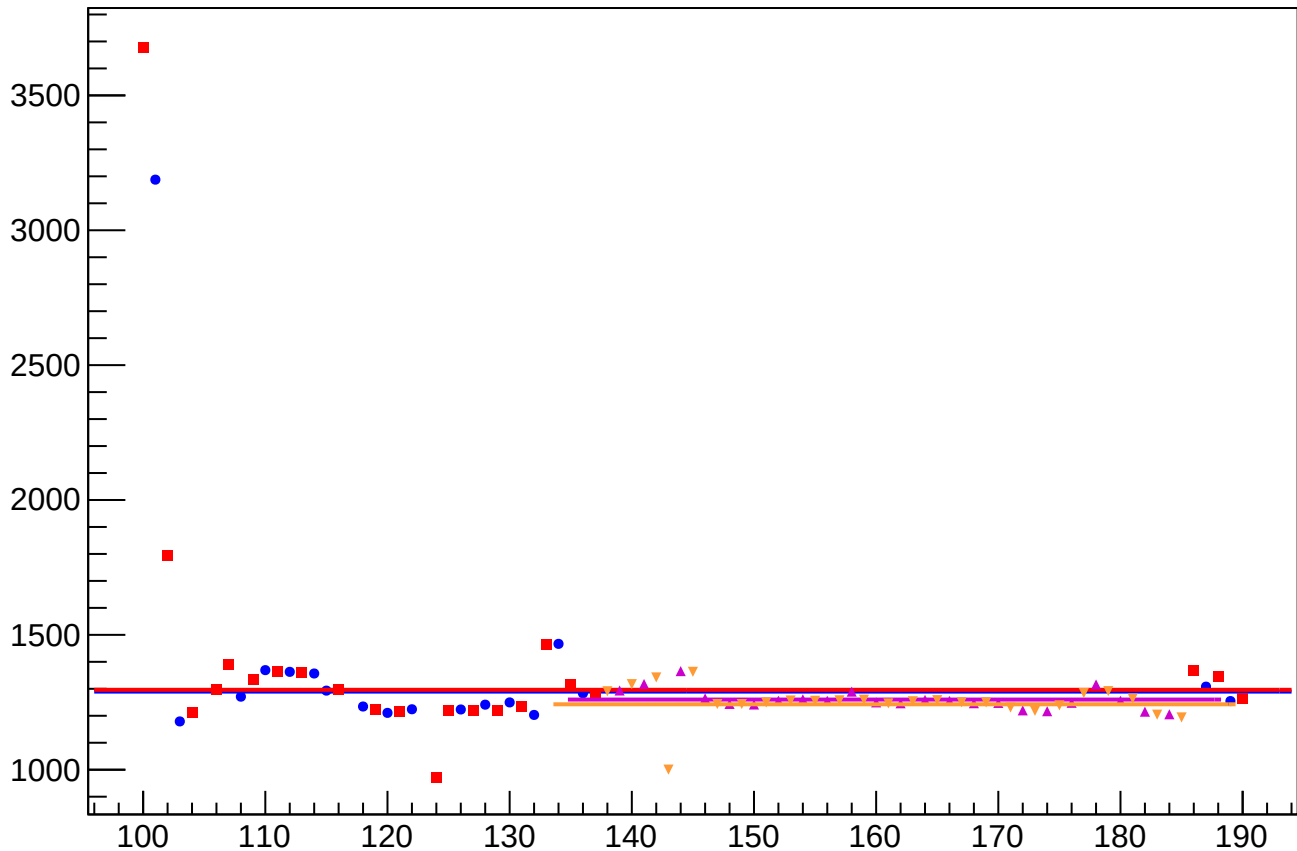
Left In: 242.004+/-294.339 χ^2 /NDF:30.7/22

+ sign -574.529+/-241.621 χ^2 /NDF: 48.3/42

All: -174.082+/-171.698 χ^2 /NDF: 103.2/87

- sign 234.391+/-244.031 χ^2 /NDF: 49.3/44

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.680+/-0.329 χ^2/NDF : 510361.0/17

Left Out: 1242.539 $\pm$ 0.200 χ^2 /NDF:130022.2/24

Right Out: 1296.265 ± 0.309 χ^2/NDF : 215191.3/21

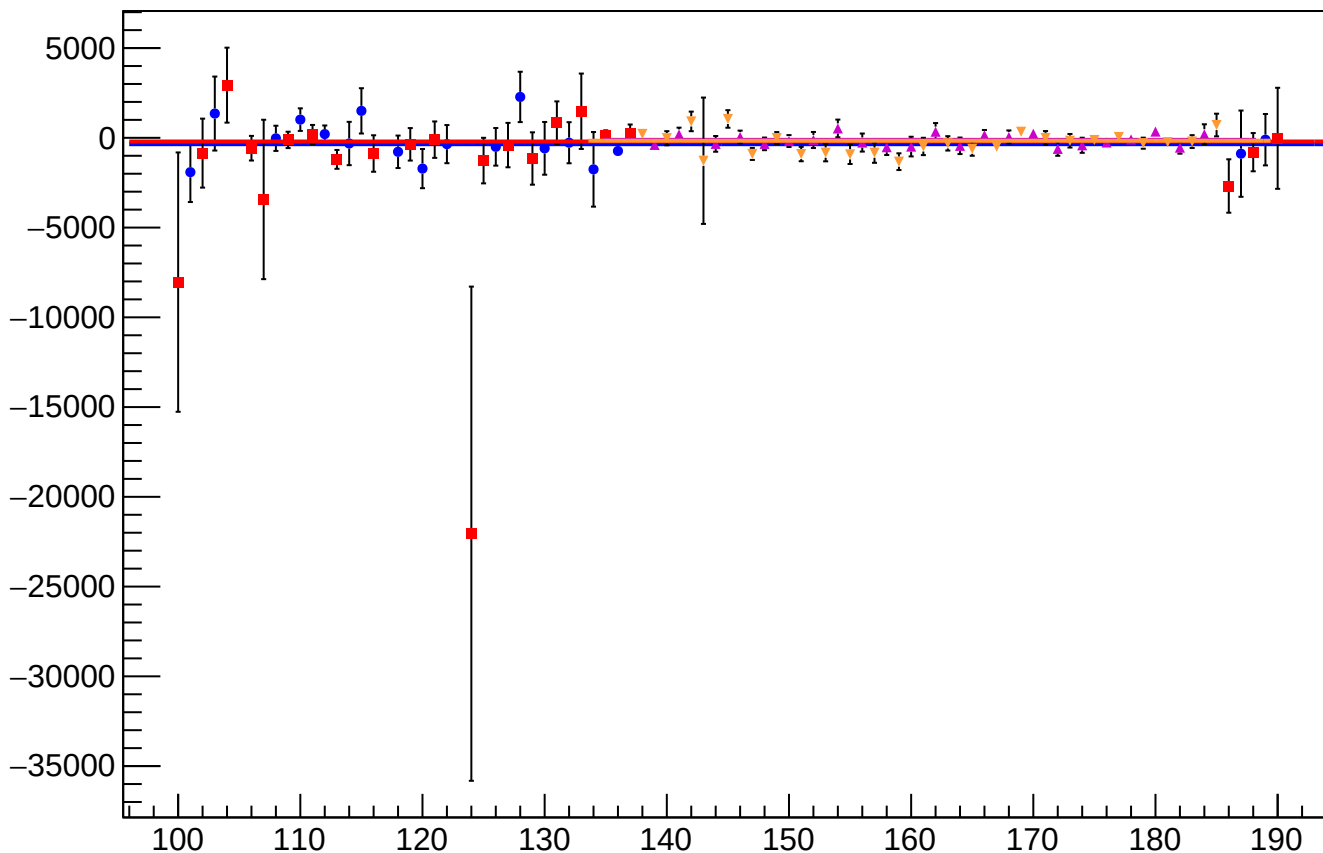
Left In: 1260.094+/-0.208 χ^2/NDF :27932.2/22

+ sign 1255.252+/-0.171 χ^2/NDF : 655376.9/42

All: 1263.247+/-0.121 χ^2/NDF : 912366.1/87

- sign 1271.402+/-0.173 χ^2/NDF : 252566.1/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -354.343 ± 168.372 χ^2/NDF : 18.5/17

Left Out: -160.933 ± 64.133 χ^2/NDF : 43.8/24

Right Out: -204.591 ± 166.213 χ^2/NDF : 19.0/21

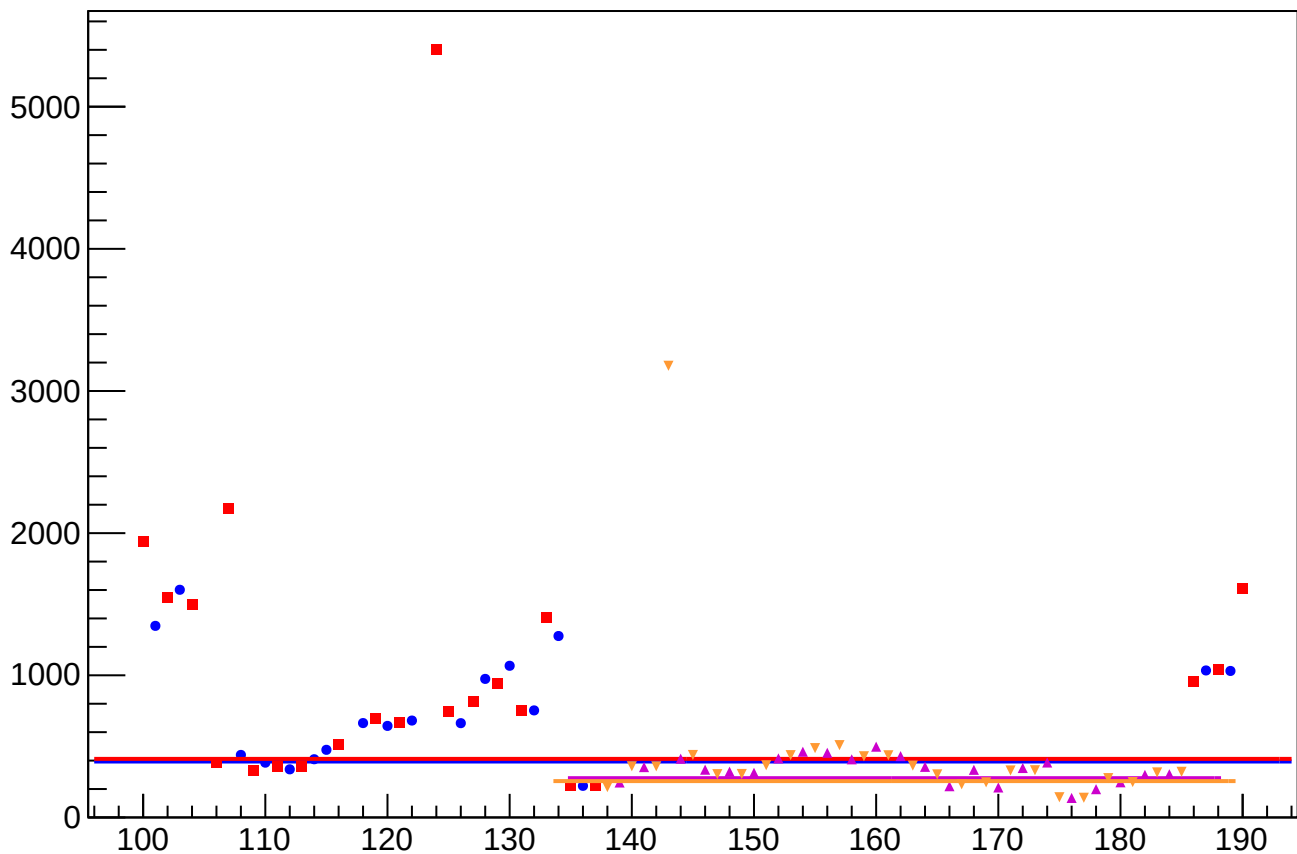
Left In: -113.720 ± 68.841 χ^2/NDF : 18.2/22

+ sign -185.438 ± 59.932 χ^2/NDF : 63.4/42

All: -157.965 ± 43.618 χ^2/NDF : 101.3/87

- sign -127.025 ± 63.601 χ^2/NDF : 37.5/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 393.551+/-0.119 χ^2/NDF : 4866523.3/17

Left Out: 255.770+/-0.045 χ^2/NDF : 6373829.7/24

Right Out: 412.017+/-0.118 χ^2/NDF : 5937000.0/21

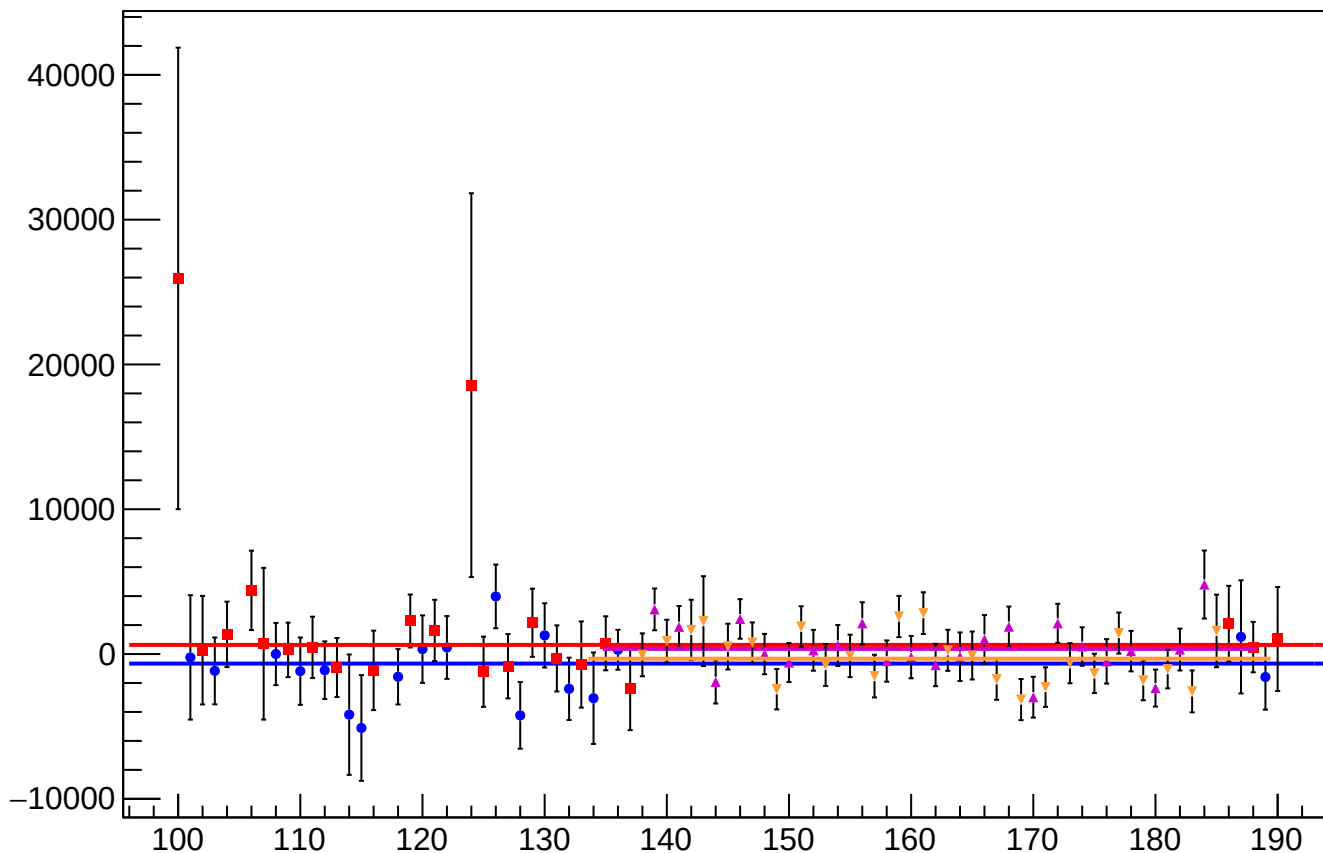
Left In: 276.299+/-0.049 χ^2/NDF : 4027371.0/22

+ sign 273.227+/-0.042 χ^2/NDF : 12409944.6/42

All: 284.018+/-0.031 χ^2/NDF : 23650381.8/87

- sign 296.171+/-0.045 χ^2/NDF : 11102572.9/44

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -660.215 ± 542.199 χ^2/NDF : 12.9/17

Left Out: -319.744 ± 298.271 χ^2/NDF : 31.6/24

Right Out: 630.889 ± 522.219 χ^2/NDF : 11.7/21

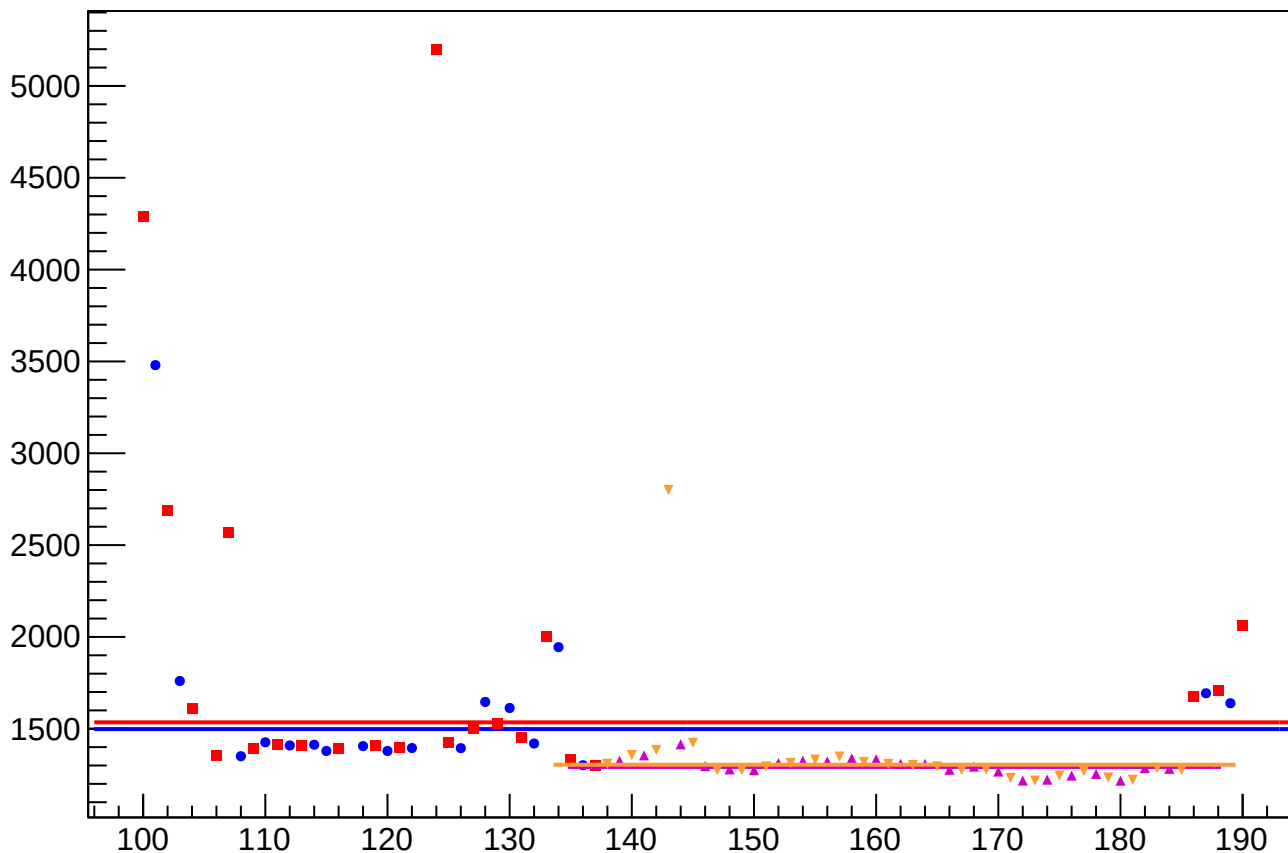
Left In: 356.387 ± 301.902 χ^2/NDF : 29.7/22

+ sign -398.842 ± 261.337 χ^2/NDF : 44.7/42

All: 13.104 ± 184.804 χ^2/NDF : 91.2/87

- sign 425.149 ± 261.369 χ^2/NDF : 41.5/44

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1498.249 $\pm$ 0.383 χ^2 /NDF: 598283.9/17

Left Out: 1304.156 $\pm$ 0.211 χ^2 /NDF: 519609.1/24

Right Out: 1534.920 $\pm$ 0.369 χ^2 /NDF: 701060.0/21

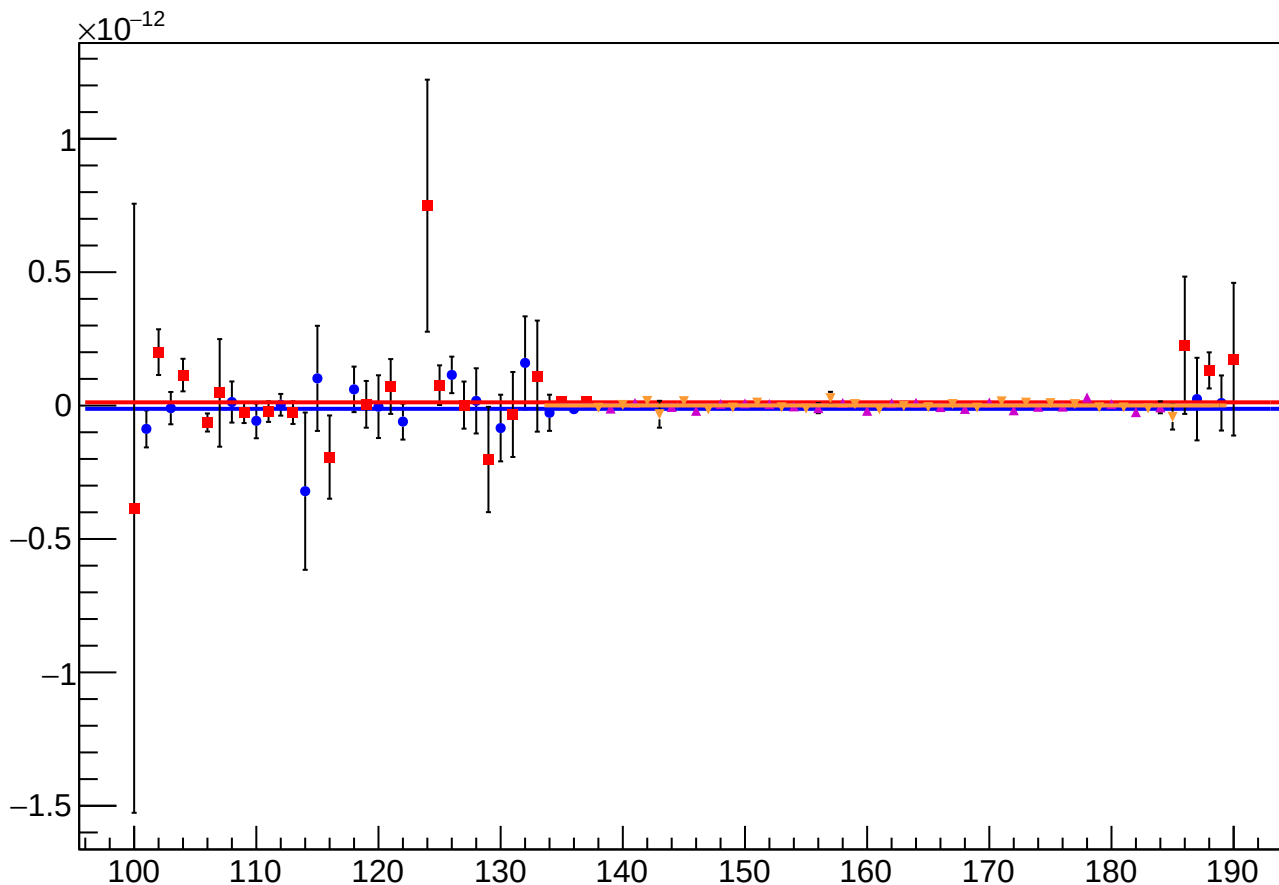
Left In: 1292.123 $\pm$ 0.213 χ^2 /NDF: 48343.1/22

+ sign 1349.248 $\pm$ 0.185 χ^2 /NDF: 1314642.7/42

All: 1351.095 $\pm$ 0.131 χ^2 /NDF: 2388277.5/87

- sign 1352.943 $\pm$ 0.185 χ^2 /NDF: 1073434.9/44

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 9.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 24.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26.5/21

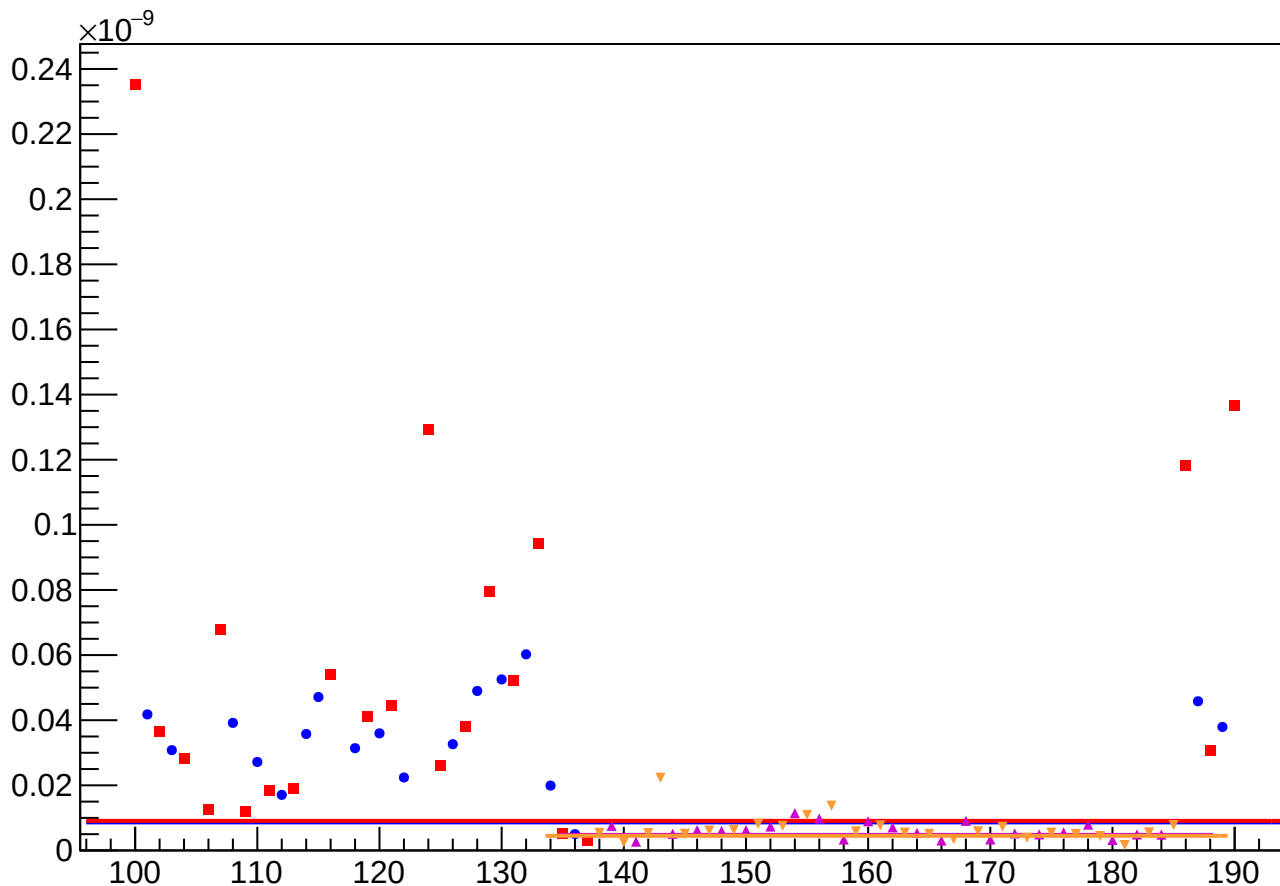
Left In: 0.000+/-0.000 χ^2/NDF : 29.6/22

+ sign -0.000+/-0.000 χ^2/NDF : 36.7/42

All: 0.000+/-0.000 χ^2/NDF : 95.1/87

- sign 0.000+/-0.000 χ^2/NDF : 58.0/44

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3338564.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2715297.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4319981.9/21

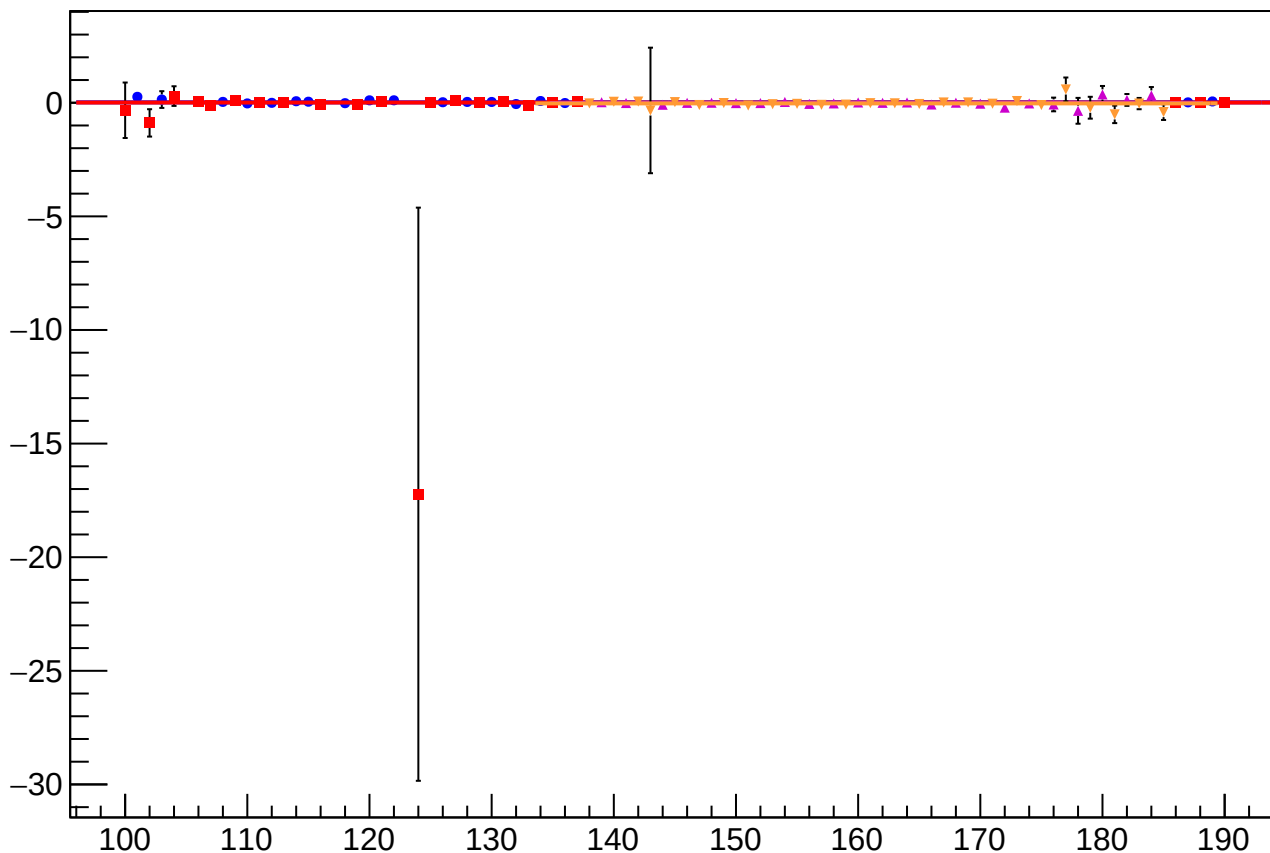
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1884808.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6635022.1/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13415251.3/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6756576.3/44

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 ± 0.015 χ^2/NDF : 11.8/17

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.009 ± 0.014 χ^2/NDF : 16.5/21

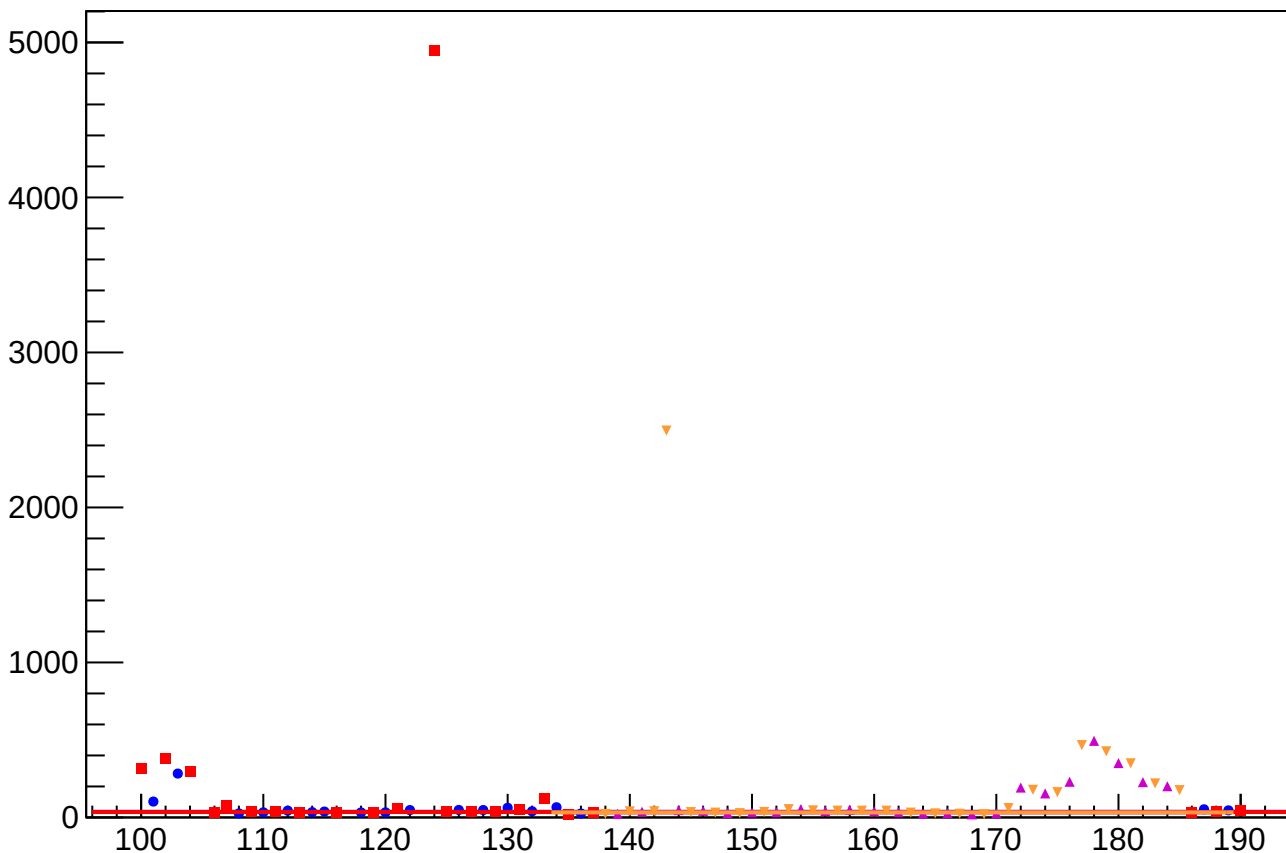
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.008 χ^2/NDF : 46.8/42

All: -0.009 ± 0.006 χ^2/NDF : 78.6/87

- sign -0.004 ± 0.008 χ^2/NDF : 31.1/44

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.439+/-0.011 χ^2/NDF : 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 34.918+/-0.010 χ^2/NDF : 2980134.6/21

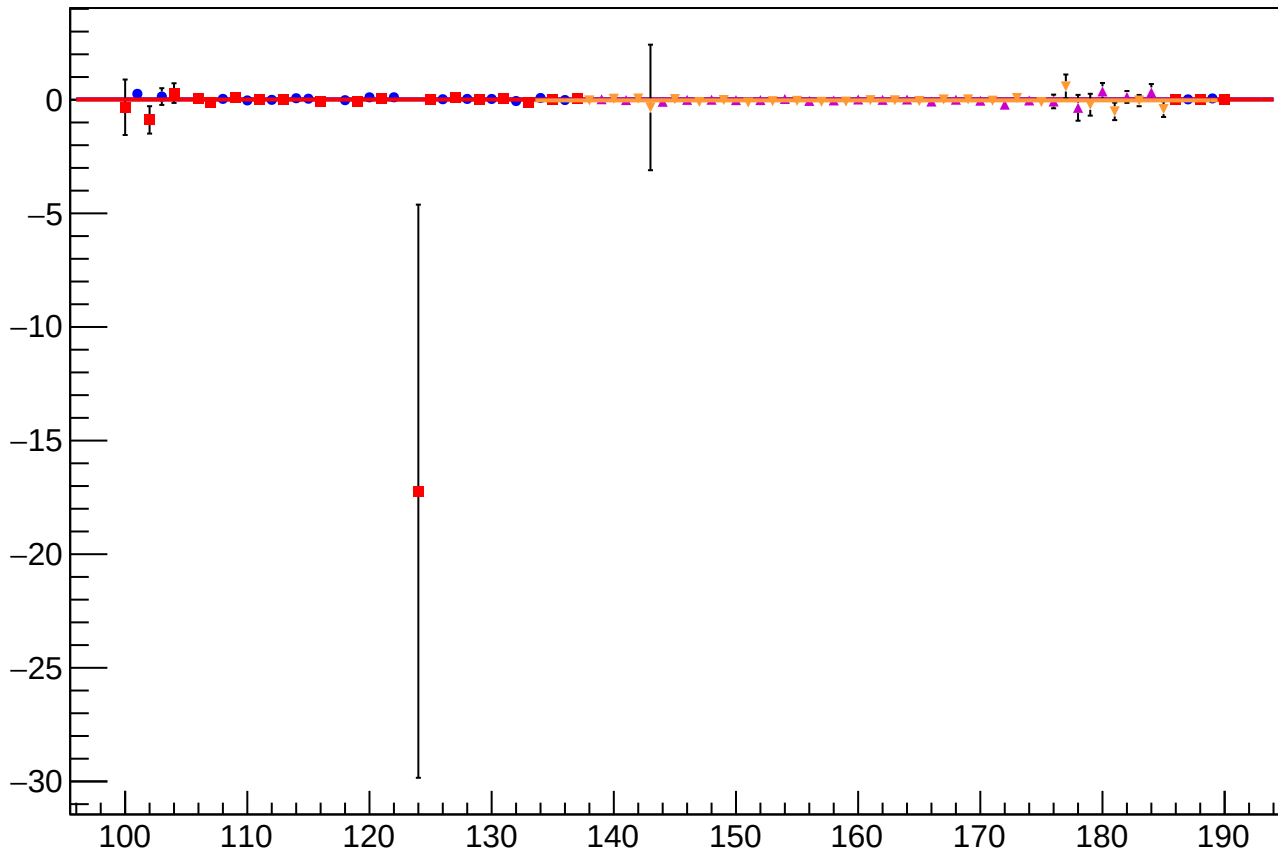
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF : 13305085.7/42

All: 33.549+/-0.004 χ^2/NDF : 25282918.8/87

- sign 33.433+/-0.006 χ^2/NDF : 11976945.5/44

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.015 χ^2 /NDF: 11.8/17

Left Out: -0.028 $\pm$ 0.010 χ^2 /NDF: 28.1/24

Right Out: 0.009 $\pm$ 0.014 χ^2 /NDF: 16.5/21

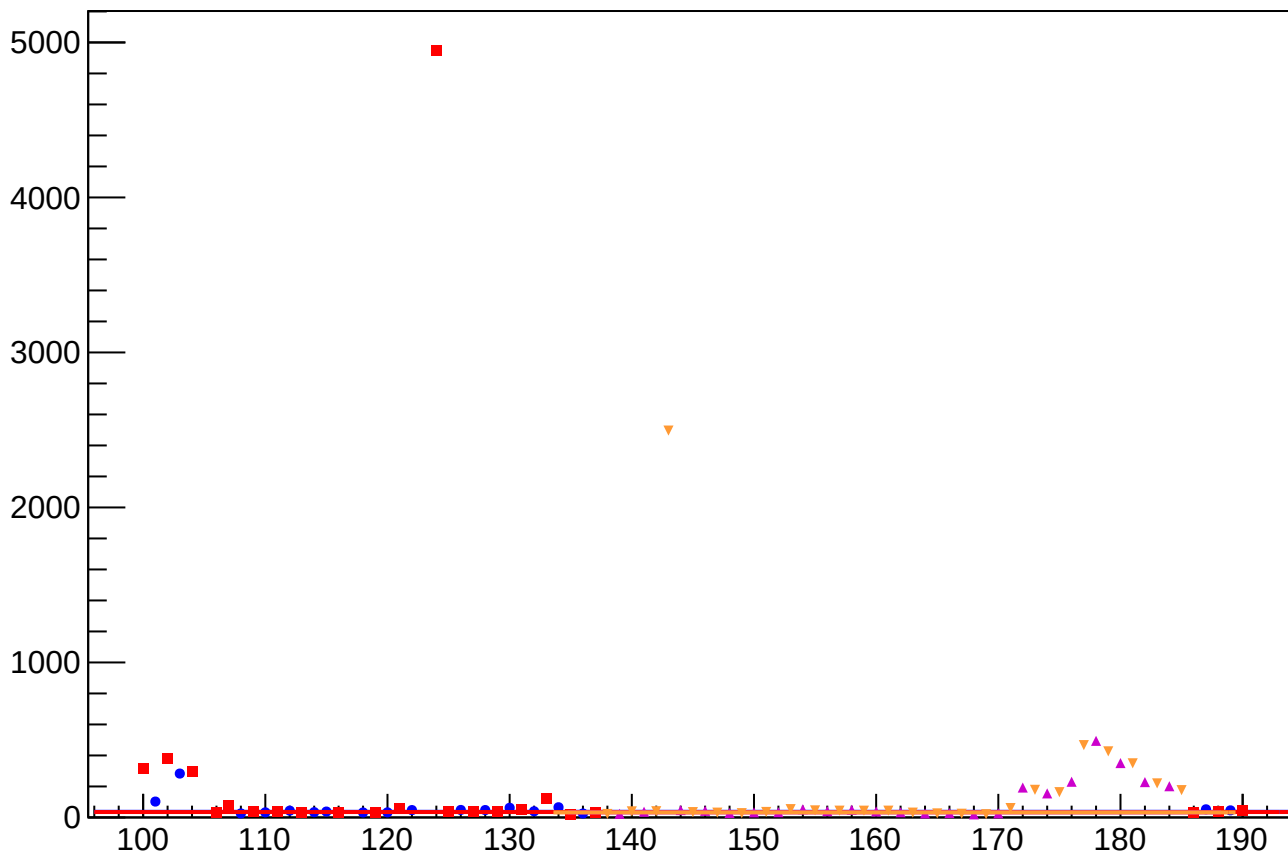
Left In: -0.011 $\pm$ 0.009 χ^2 /NDF: 13.2/22

+ sign -0.015 $\pm$ 0.008 χ^2 /NDF: 46.8/42

All: -0.009 $\pm$ 0.006 χ^2 /NDF: 78.6/87

- sign -0.004 $\pm$ 0.008 χ^2 /NDF: 31.1/44

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.439+/-0.011 χ^2/NDF : 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF : 10871758.1/24

Right Out: 34.918+/-0.010 χ^2/NDF : 2980134.6/21

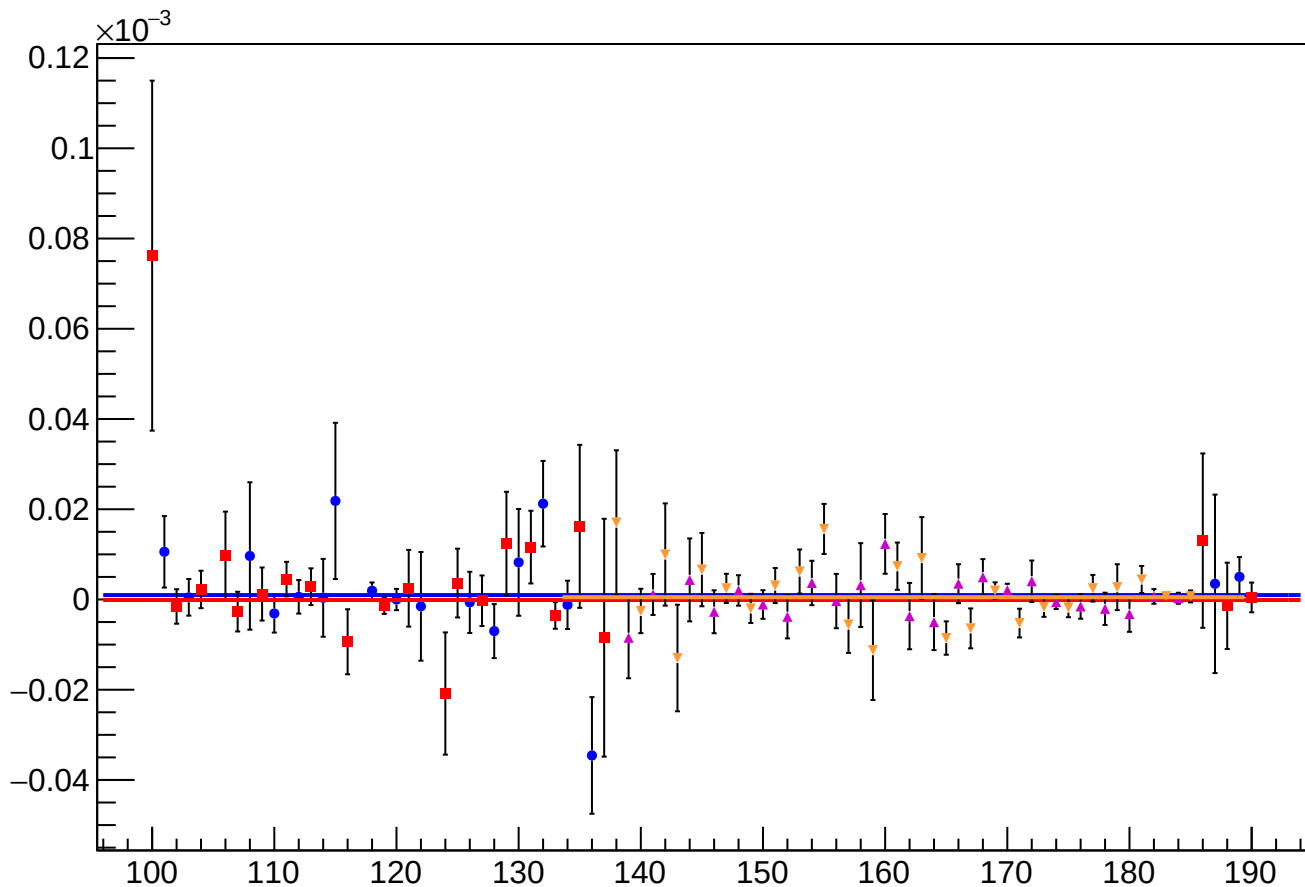
Left In: 32.738+/-0.007 χ^2/NDF : 8963240.8/22

+ sign 33.670+/-0.006 χ^2/NDF : 13305085.7/42

All: 33.549+/-0.004 χ^2/NDF : 25282918.8/87

- sign 33.433+/-0.006 χ^2/NDF : 11976945.5/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 20.0/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 35.7/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.6/21

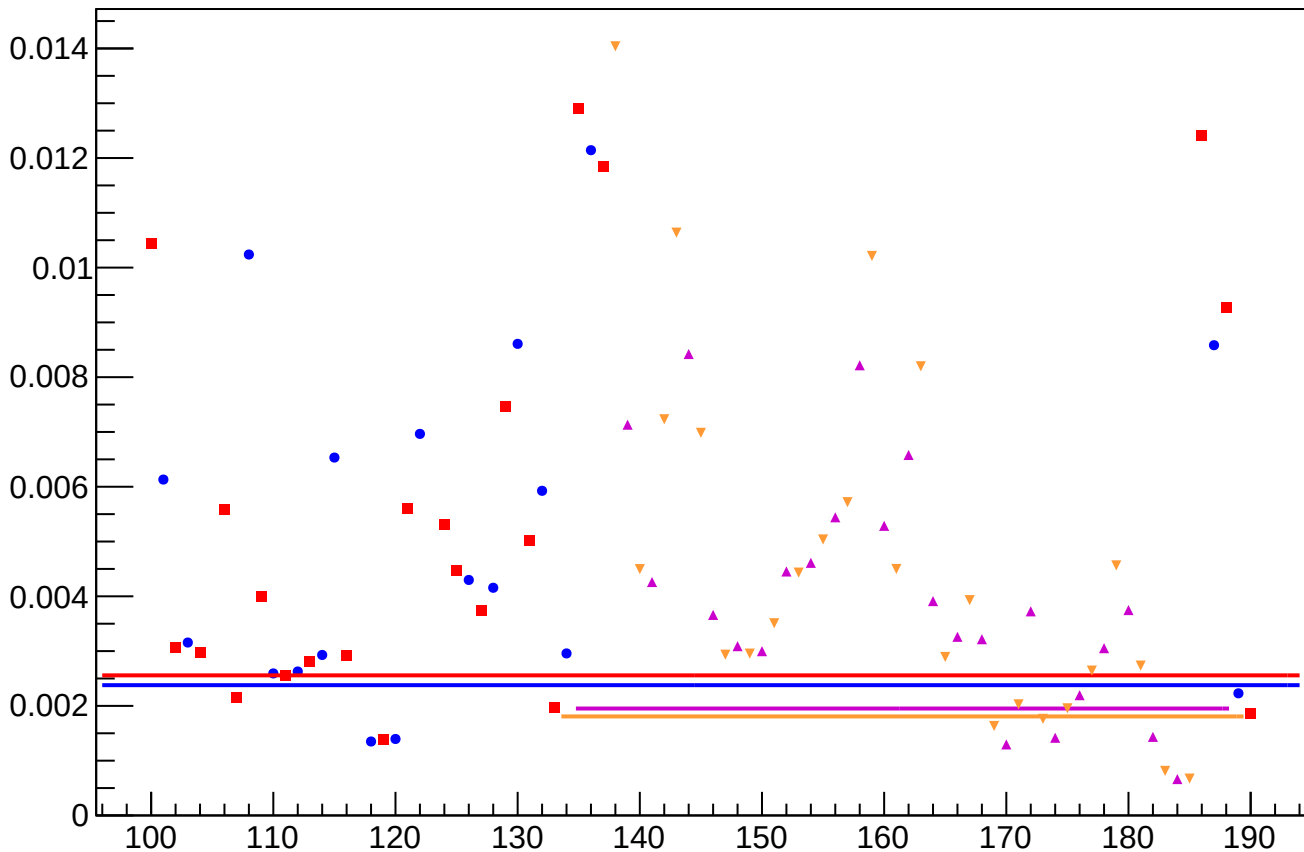
Left In: 0.000 ± 0.000 χ^2/NDF : 13.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 55.9/42

All: 0.000 ± 0.000 χ^2/NDF : 88.6/87

- sign 0.000 ± 0.000 χ^2/NDF : 32.5/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4920920.4/17

Left Out: 0.002+/-0.000 χ^2/NDF :14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4993756.9/21

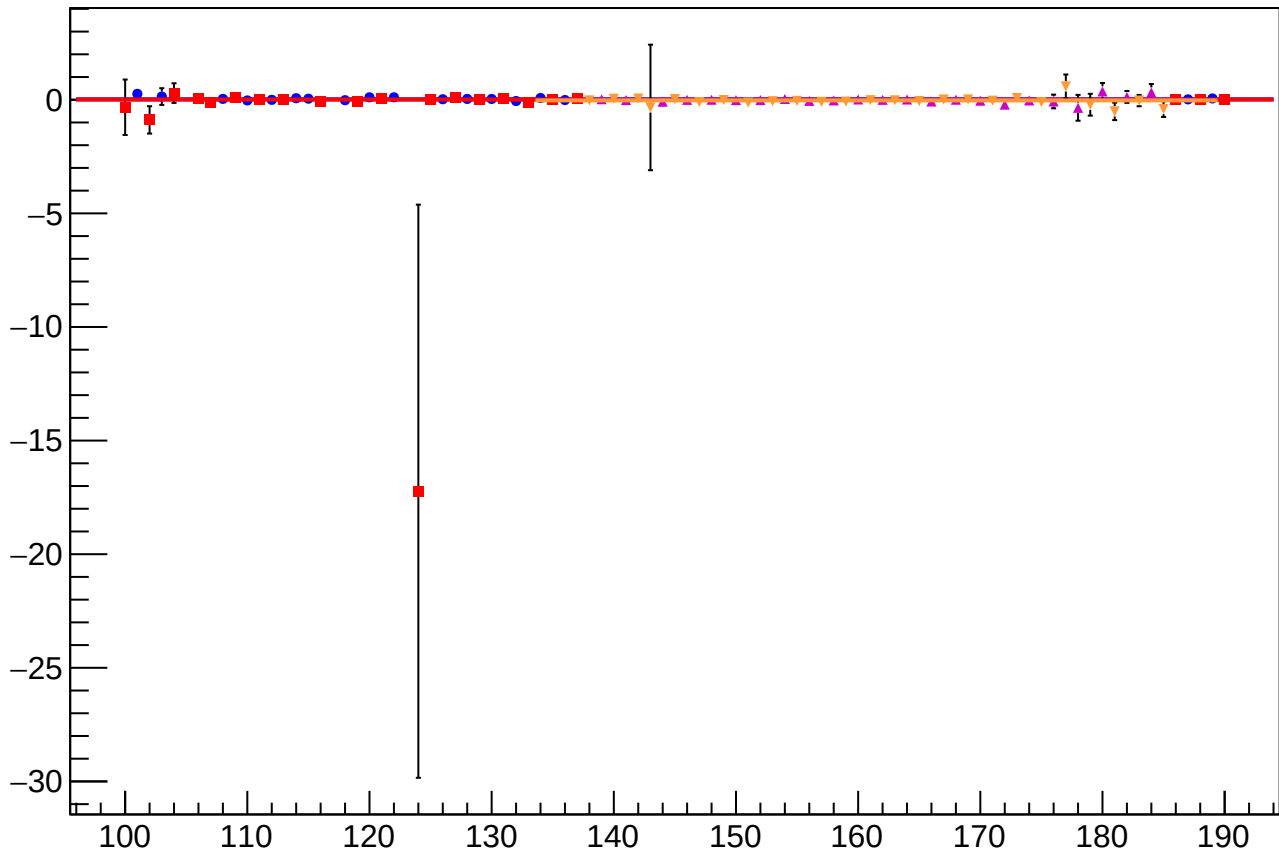
Left In: 0.002+/-0.000 χ^2/NDF :11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 20312681.4/42

All: 0.002+/-0.000 χ^2/NDF : 37456993.8/87

- sign 0.002+/-0.000 χ^2/NDF : 17012457.0/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018 ± 0.015 $\chi^2/\text{NDF}: 11.8/17$

Left Out: -0.028 ± 0.010 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 0.009 ± 0.014 $\chi^2/\text{NDF}: 16.5/21$

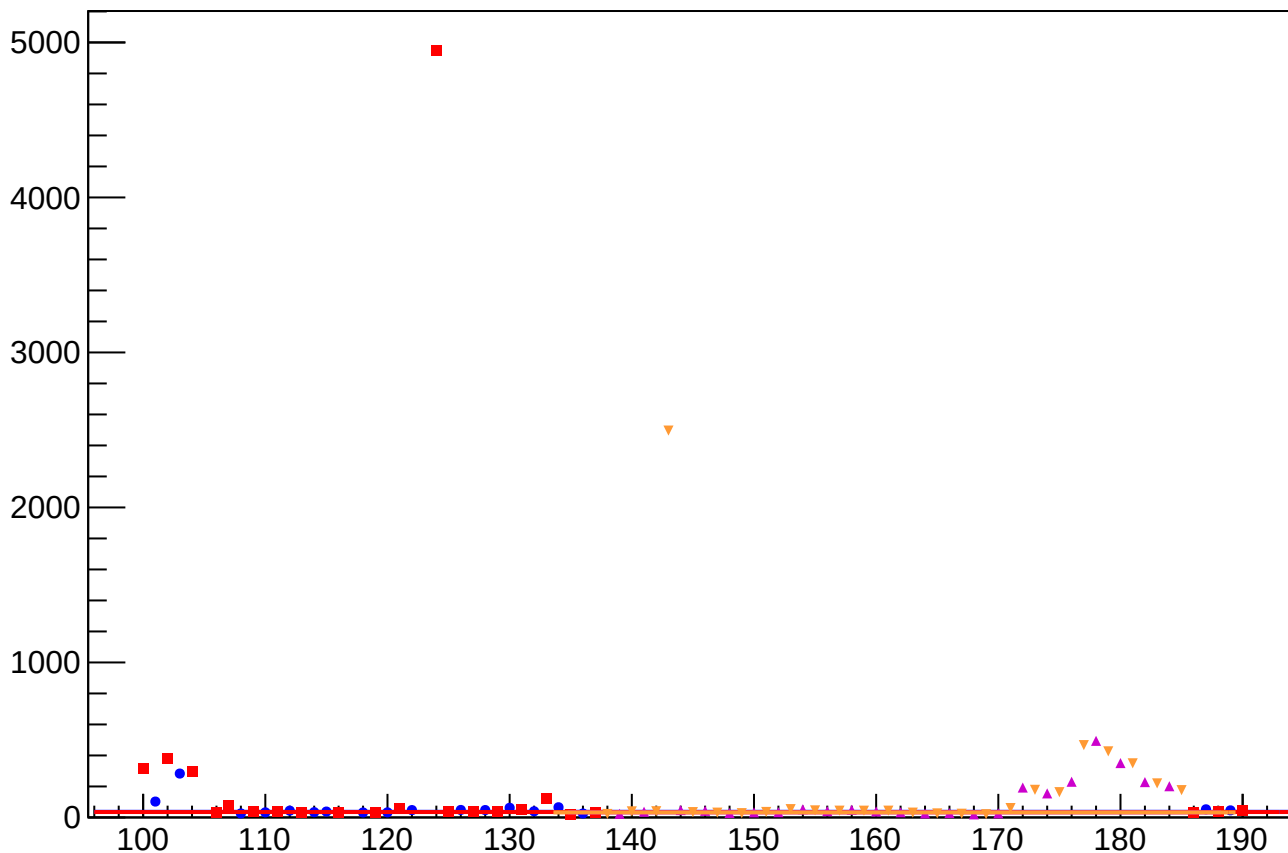
Left In: -0.011 ± 0.009 $\chi^2/\text{NDF}: 13.2/22$

+ sign -0.015 ± 0.008 $\chi^2/\text{NDF}: 46.8/42$

All: -0.009 ± 0.006 $\chi^2/\text{NDF}: 78.7/87$

- sign -0.004 ± 0.008 $\chi^2/\text{NDF}: 31.1/44$

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.441 $\pm$ 0.011 χ^2 /NDF: 2336973.1/17

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10872015.8/24

Right Out: 34.918 $\pm$ 0.010 χ^2 /NDF: 2979946.7/21

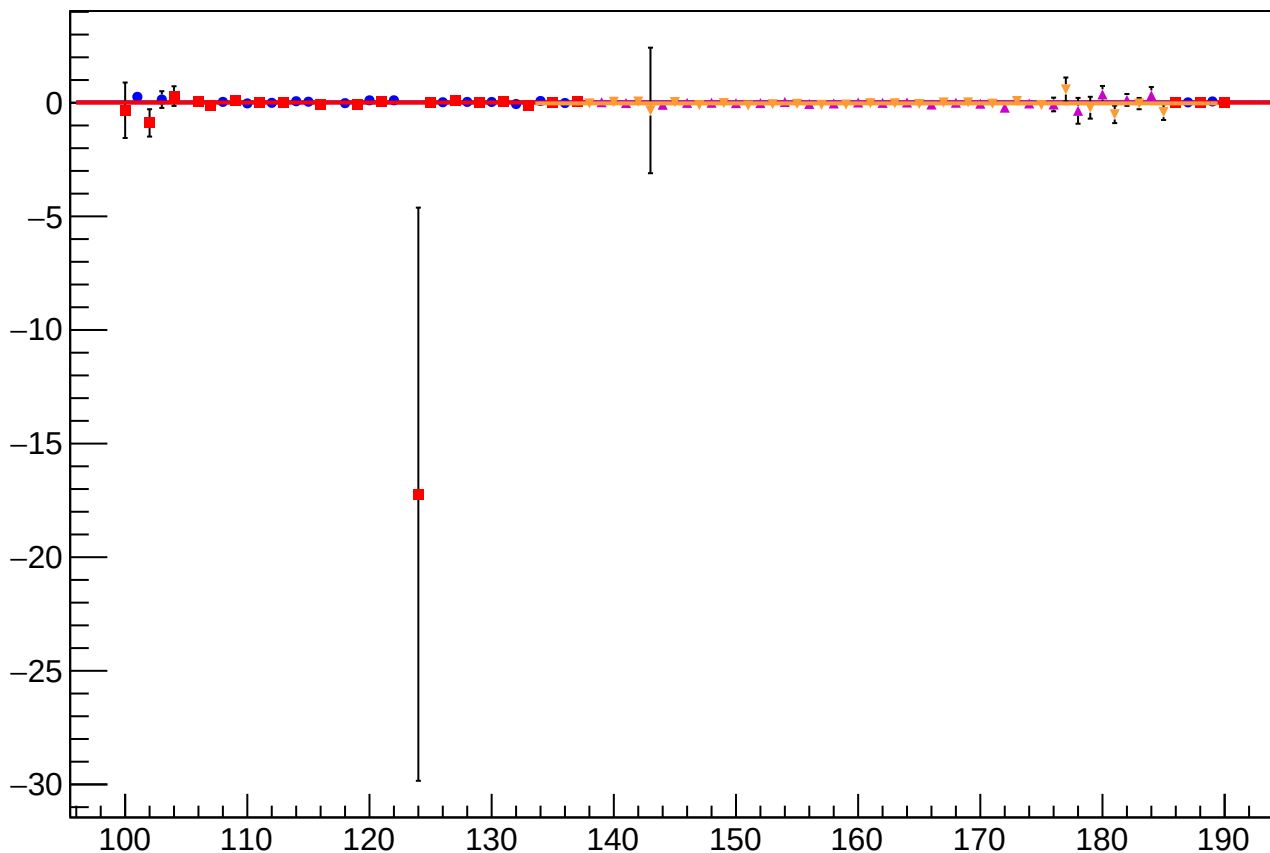
Left In: 32.737 $\pm$ 0.007 χ^2 /NDF: 8963873.9/22

+ sign 33.670 $\pm$ 0.006 χ^2 /NDF: 13305123.2/42

All: 33.548 $\pm$ 0.004 χ^2 /NDF: 25283459.0/87

- sign 33.432 $\pm$ 0.006 χ^2 /NDF: 11977440.2/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018 ± 0.015 χ^2/NDF : 11.8/17

Left Out: -0.028 ± 0.010 χ^2/NDF : 28.1/24

Right Out: 0.009 ± 0.014 χ^2/NDF : 16.5/21

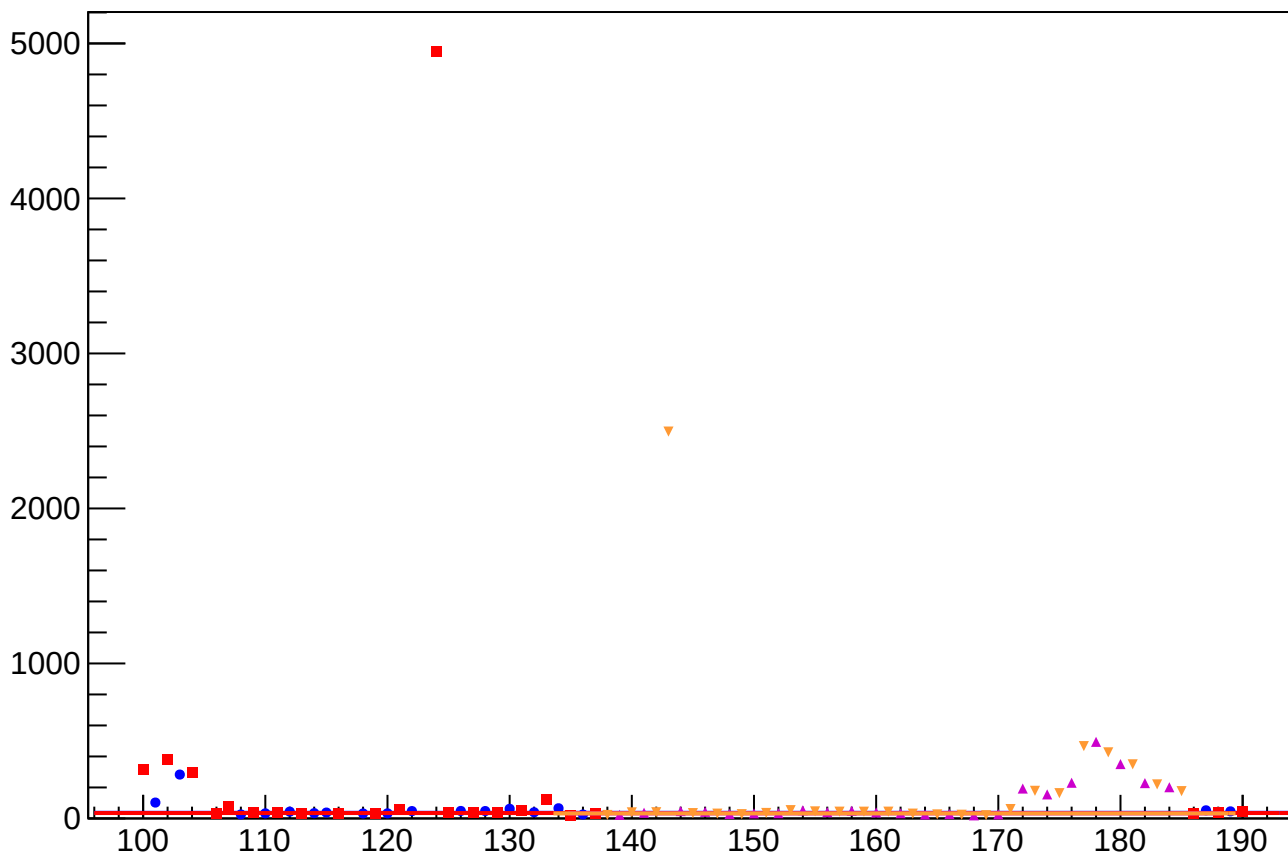
Left In: -0.011 ± 0.009 χ^2/NDF : 13.2/22

+ sign -0.015 ± 0.008 χ^2/NDF : 46.8/42

All: -0.009 ± 0.006 χ^2/NDF : 78.7/87

- sign -0.004 ± 0.008 χ^2/NDF : 31.1/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.441 $\pm$ 0.011 χ^2 /NDF: 2336973.1/17

Left Out: 32.551 $\pm$ 0.007 χ^2 /NDF: 10872015.8/24

Right Out: 34.918 $\pm$ 0.010 χ^2 /NDF: 2979946.7/21

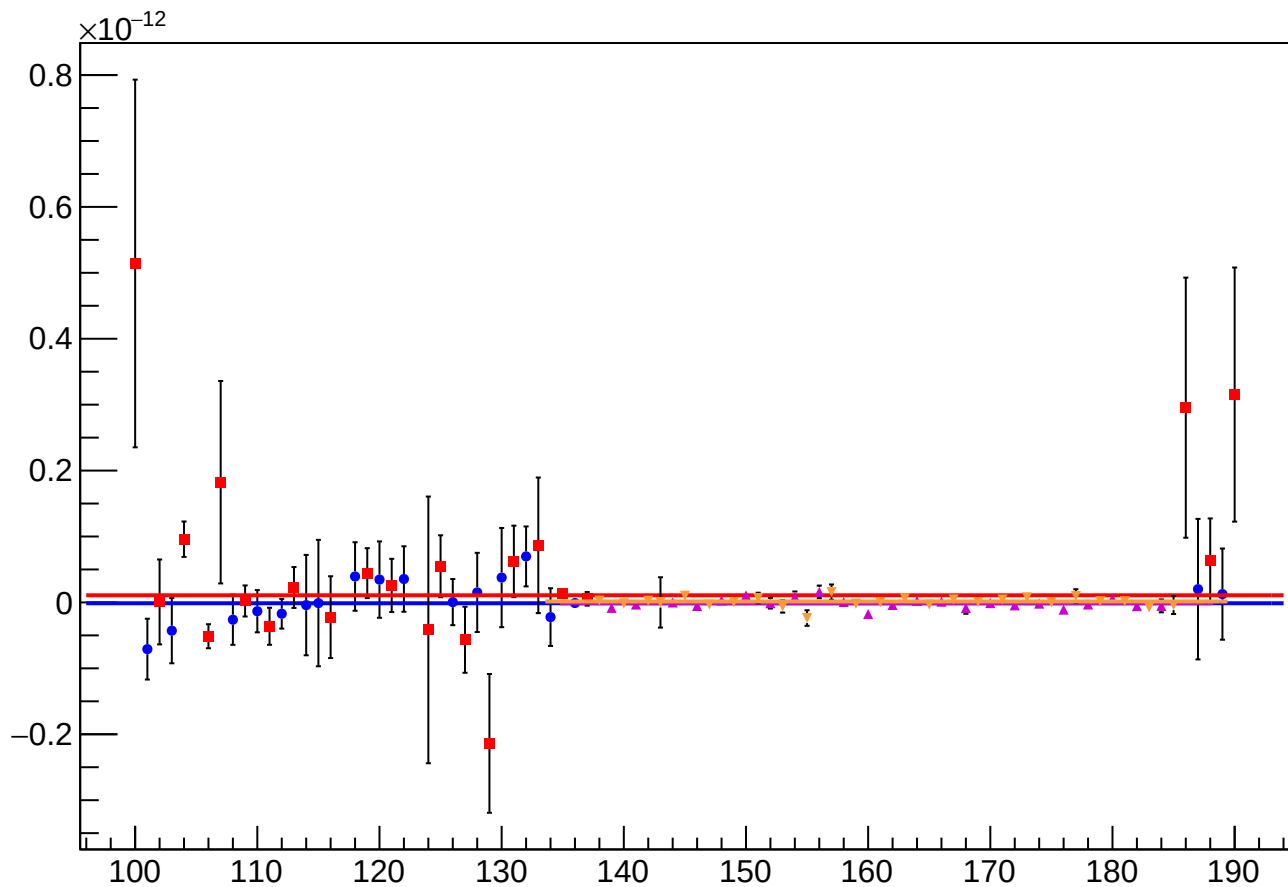
Left In: 32.737 $\pm$ 0.007 χ^2 /NDF: 8963873.9/22

+ sign 33.670 $\pm$ 0.006 χ^2 /NDF: 13305123.2/42

All: 33.548 $\pm$ 0.004 χ^2 /NDF: 25283459.0/87

- sign 33.432 $\pm$ 0.006 χ^2 /NDF: 11977440.2/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 8.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 45.1/21

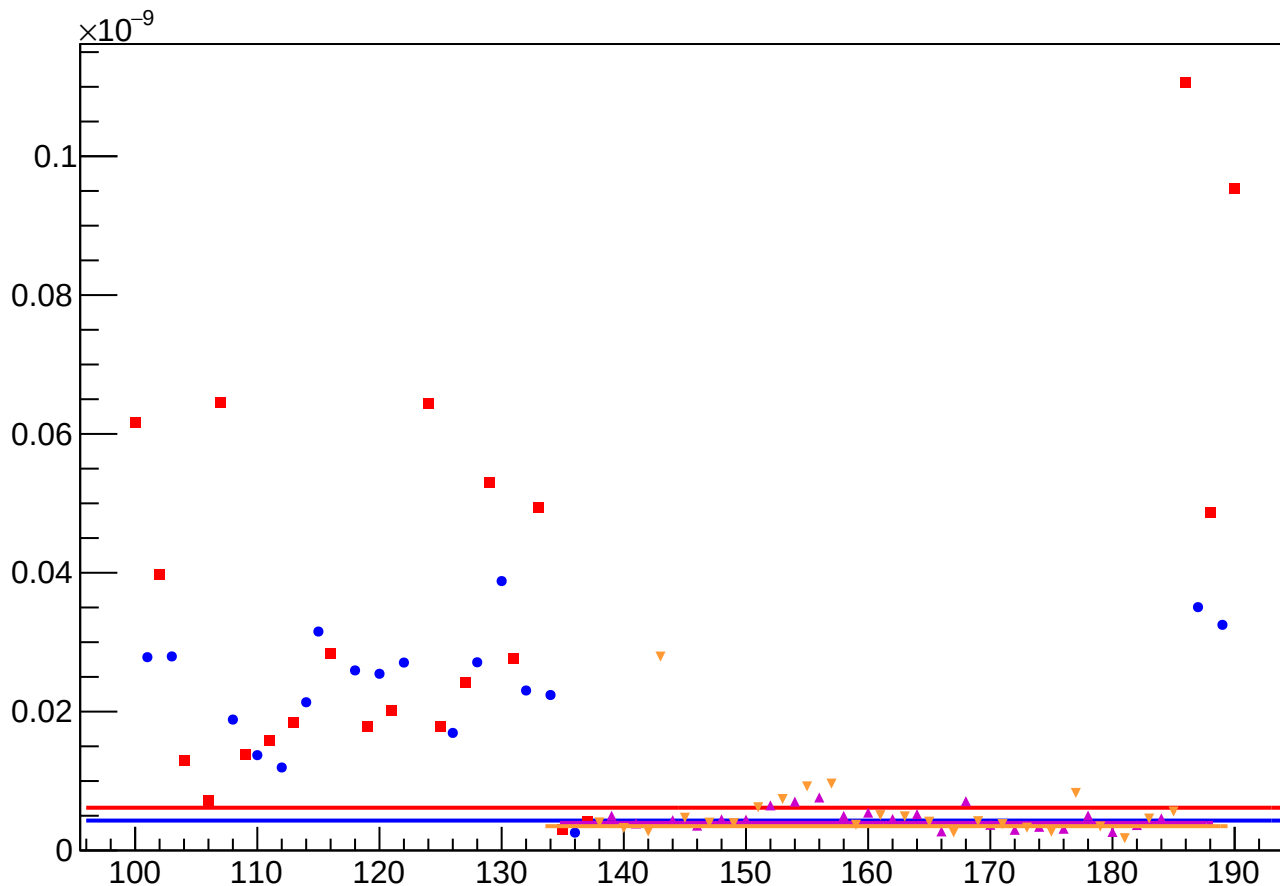
Left In: -0.000 ± 0.000 χ^2/NDF : 28.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 27.4/42

All: 0.000 ± 0.000 χ^2/NDF : 110.0/87

- sign -0.000 ± 0.000 χ^2/NDF : 81.5/44

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5580787.4/17

Left Out: 0.000+/-0.000 χ^2/NDF : 4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6723139.6/21

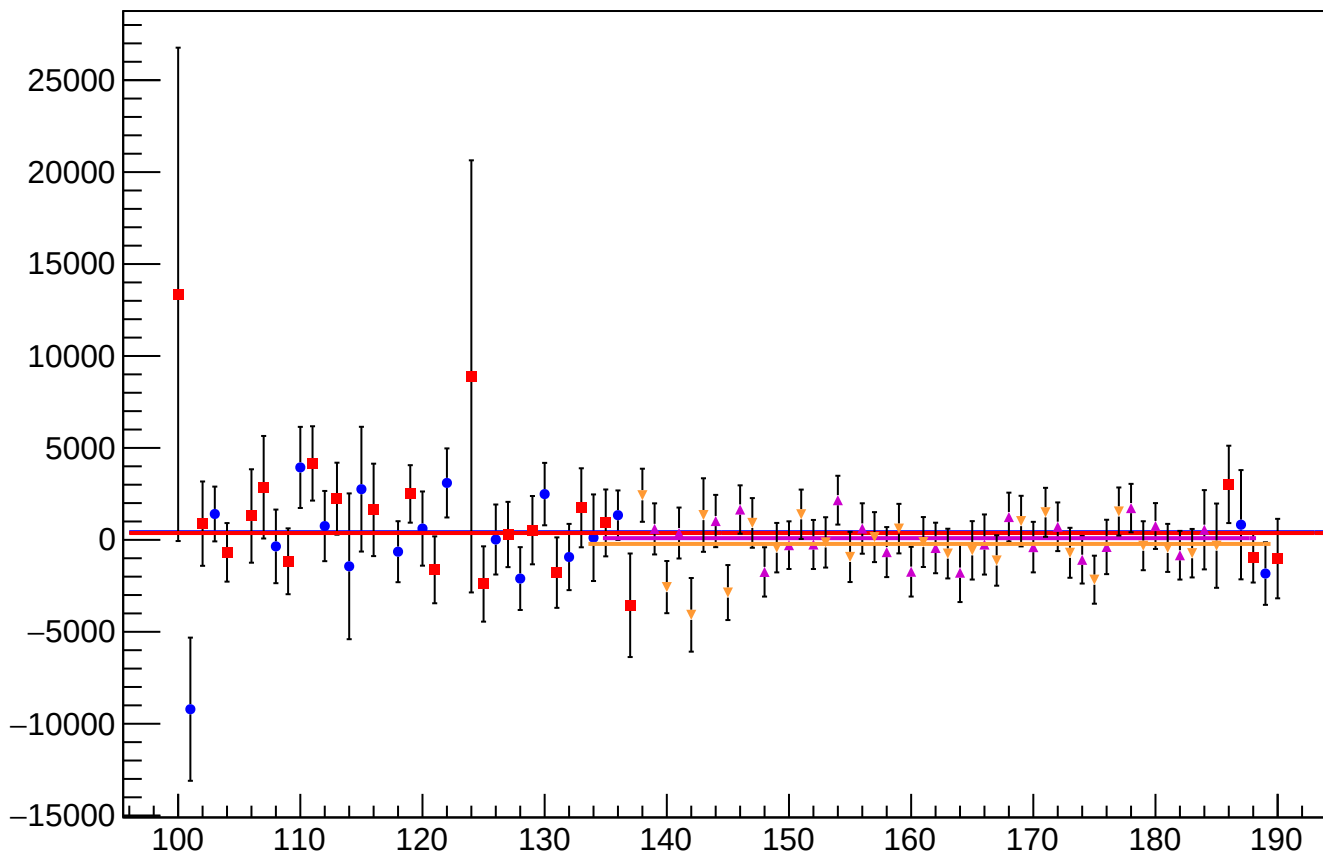
Left In: 0.000+/-0.000 χ^2/NDF : 2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 10371038.0/42

All: 0.000+/-0.000 χ^2/NDF : 19959436.3/87

- sign 0.000+/-0.000 χ^2/NDF : 9306718.1/44

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 416.942 $\pm$ 458.583 χ^2 /NDF: 19.0/17

Left Out: -220.721 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 371.714 $\pm$ 433.863 χ^2 /NDF: 19.8/21

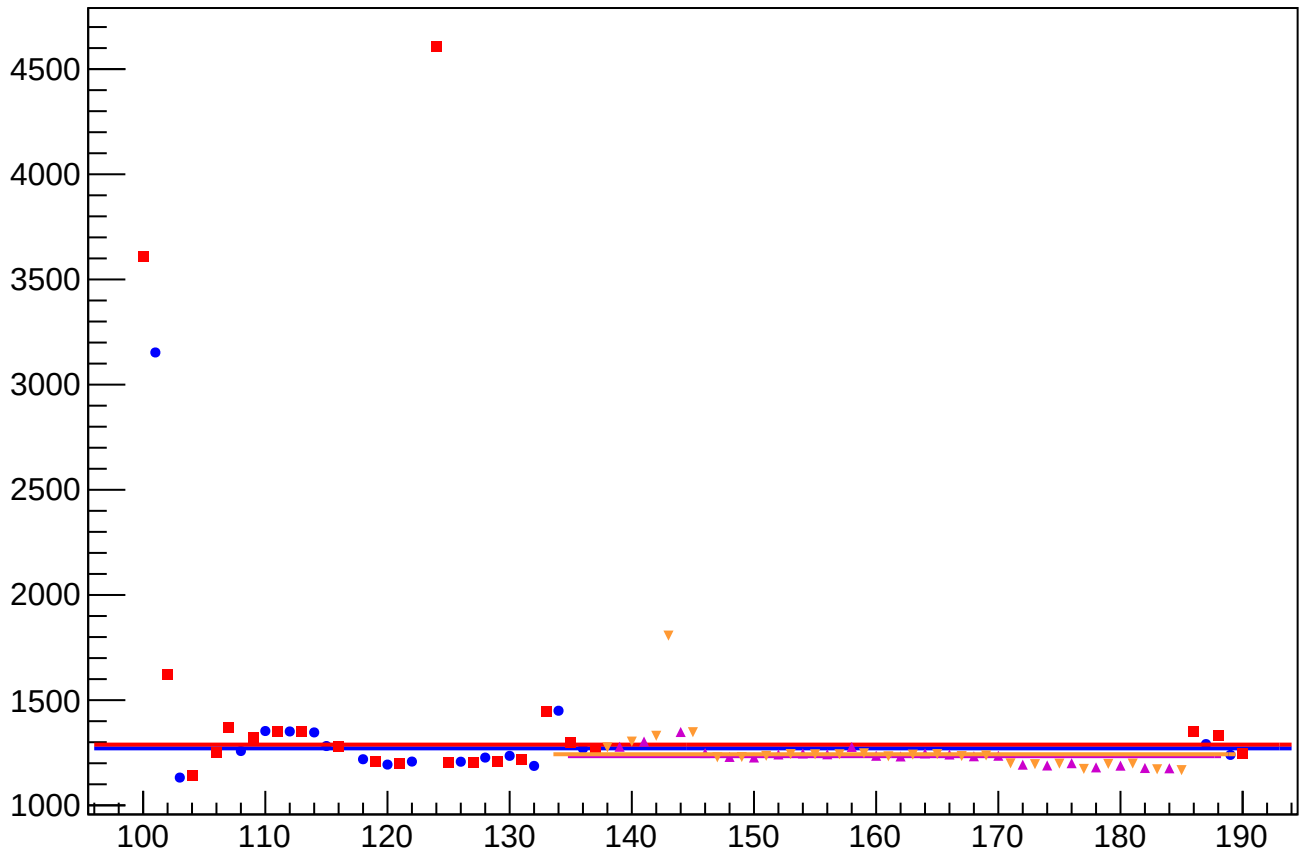
Left In: 92.402 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign -44.804 $\pm$ 240.866 χ^2 /NDF: 44.3/42

All: 66.927 $\pm$ 170.037 χ^2 /NDF: 79.5/87

- sign 177.922 $\pm$ 240.073 χ^2 /NDF: 34.8/44

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.843+/-0.324 χ^2/NDF : 520091.4/17

Left Out: 1242.825+/-0.200 χ^2/NDF : 203299.1/24

Right Out: 1288.659+/-0.307 χ^2/NDF : 326979.6/21

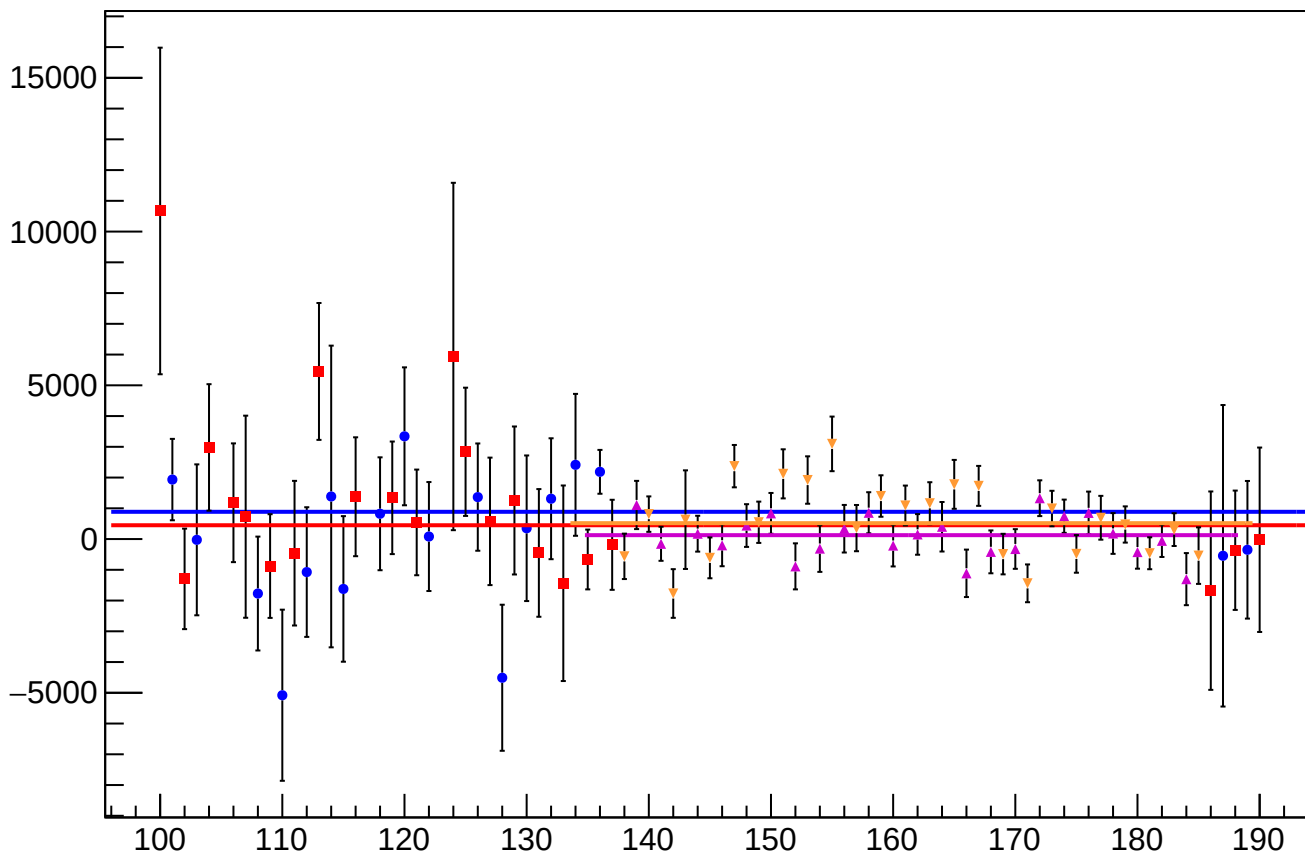
Left In: 1233.752+/-0.204 χ^2/NDF : 39281.8/22

+ sign 1250.554+/-0.170 χ^2/NDF : 728796.8/42

All: 1250.559+/-0.120 χ^2/NDF : 1117282.2/87

- sign 1250.564+/-0.170 χ^2/NDF : 388485.4/44

asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug



Right In: 886.254 $\pm$ 416.818 χ^2 /NDF: 20.3/17

Left Out: 516.792 $\pm$ 135.746 χ^2 /NDF: 67.0/24

Right Out: 449.117 $\pm$ 421.063 χ^2 /NDF: 17.8/21

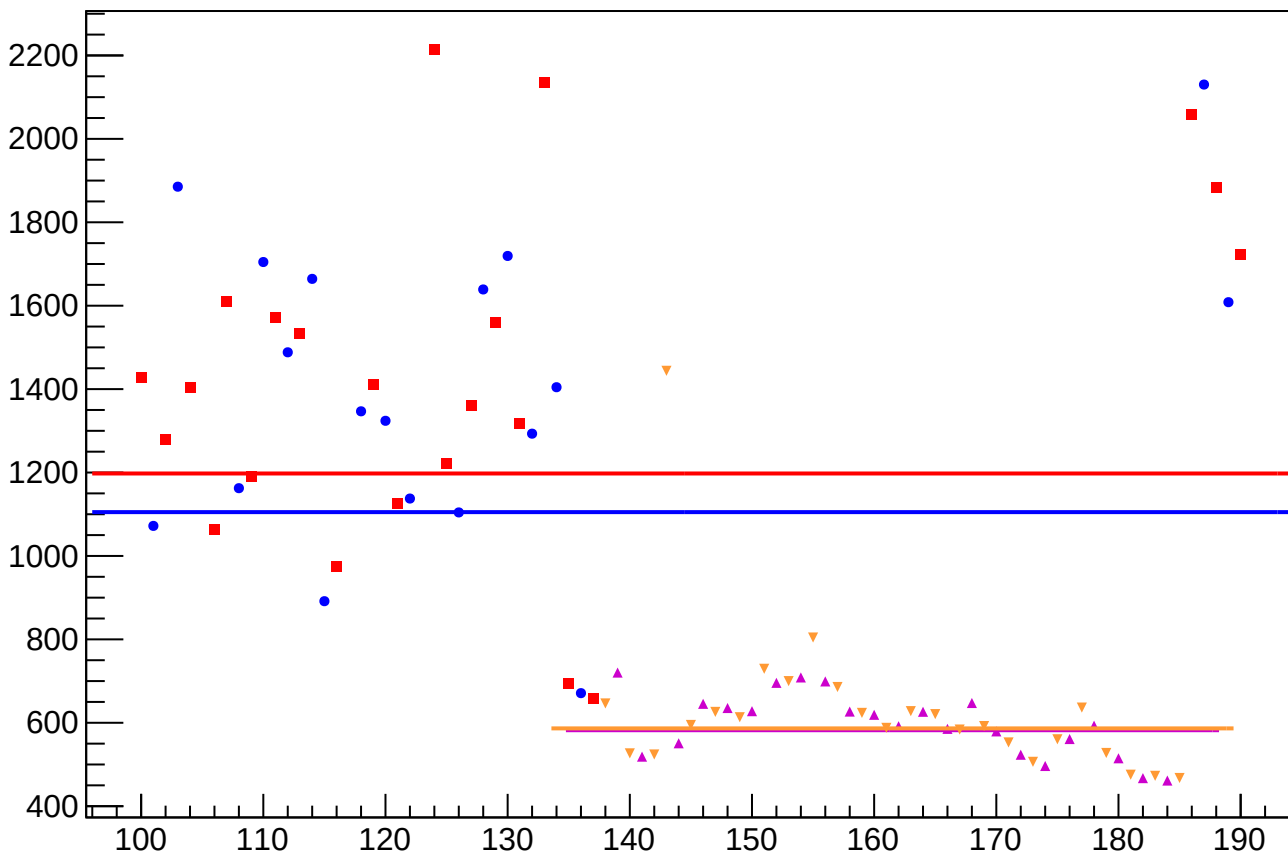
Left In: 126.569 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 552.220 $\pm$ 129.074 χ^2 /NDF: 88.0/42

All: 357.066 $\pm$ 91.771 χ^2 /NDF: 132.6/87

- sign 157.555 $\pm$ 130.506 χ^2 /NDF: 39.9/44

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1105.073+/-0.295 χ^2/NDF : 1678242.2/17

Left Out: 586.557+/-0.096 χ^2/NDF :1202915.7/24

Right Out: 1197.721+/-0.298 χ^2/NDF : 1787206.1/21

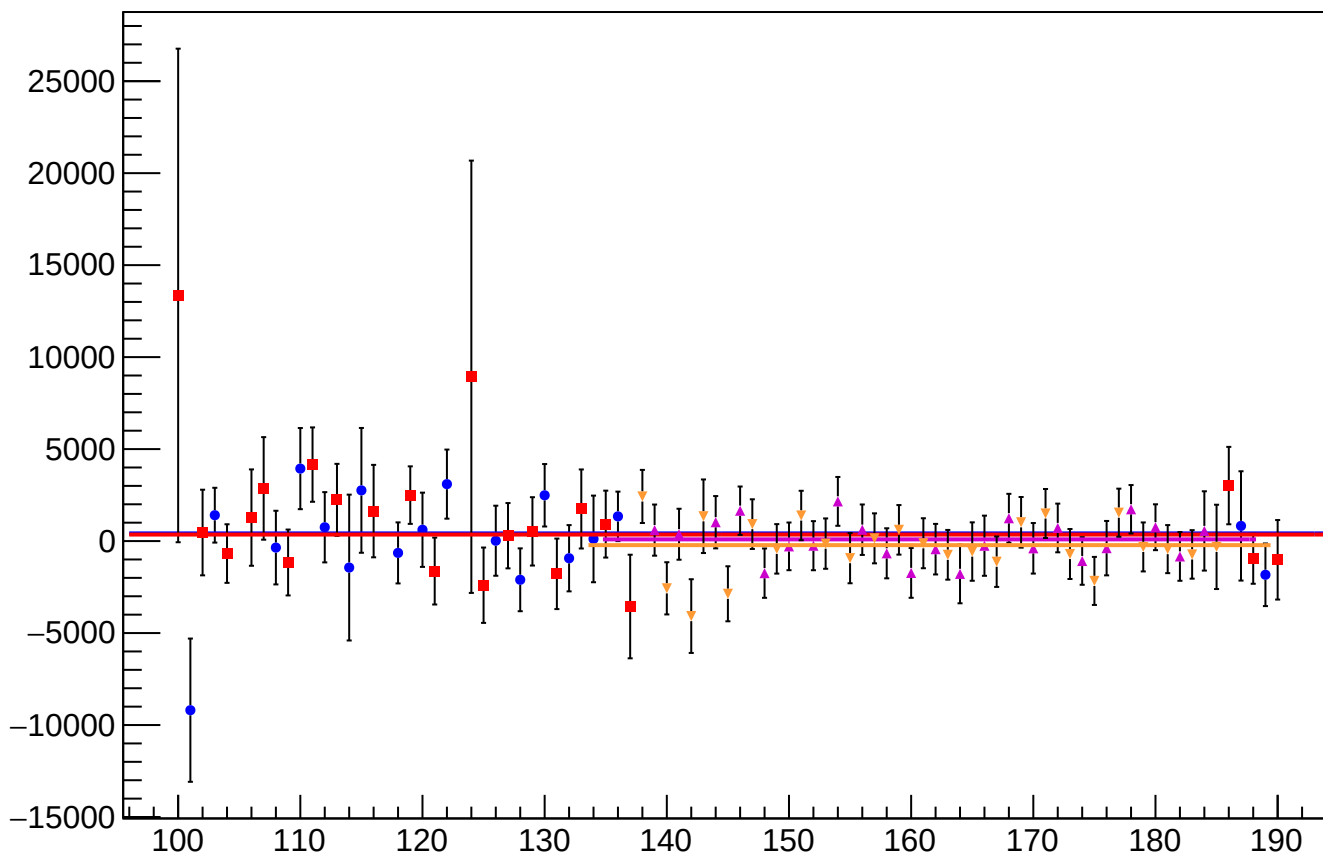
Left In: 582.190+/-0.097 χ^2/NDF :559261.3/22

+ sign 636.279+/-0.091 χ^2/NDF : 5679367.4/42

All: 638.773+/-0.065 χ^2/NDF : 11890772.5/87

- sign 641.322+/-0.092 χ^2/NDF : 6209895.1/44

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 417.223 $\pm$ 458.583 χ^2 /NDF: 18.9/17

Left Out: -220.755 $\pm$ 283.055 χ^2 /NDF:23.9/24

Right Out: 354.641 $\pm$ 434.465 χ^2 /NDF: 19.8/21

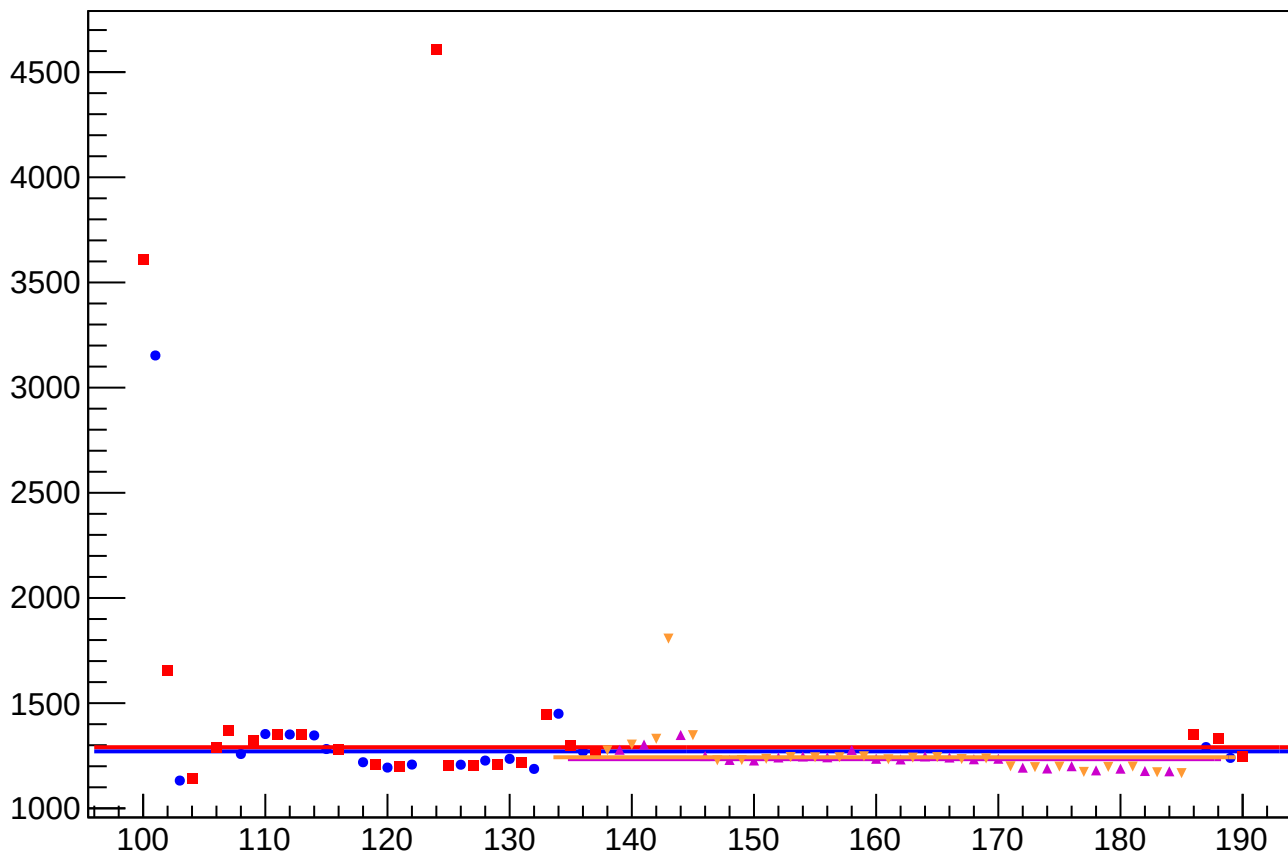
Left In: 92.472 $\pm$ 288.217 χ^2 /NDF:14.7/22

+ sign -44.752 $\pm$ 240.866 χ^2 /NDF: 44.3/42

All: 64.231 $\pm$ 170.073 χ^2 /NDF: 79.4/87

- sign 172.589 $\pm$ 240.174 χ^2 /NDF: 34.7/44

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.843 $\pm$ 0.324 χ^2 /NDF: 520092.8/17

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1290.542 $\pm$ 0.307 χ^2 /NDF: 333393.7/21

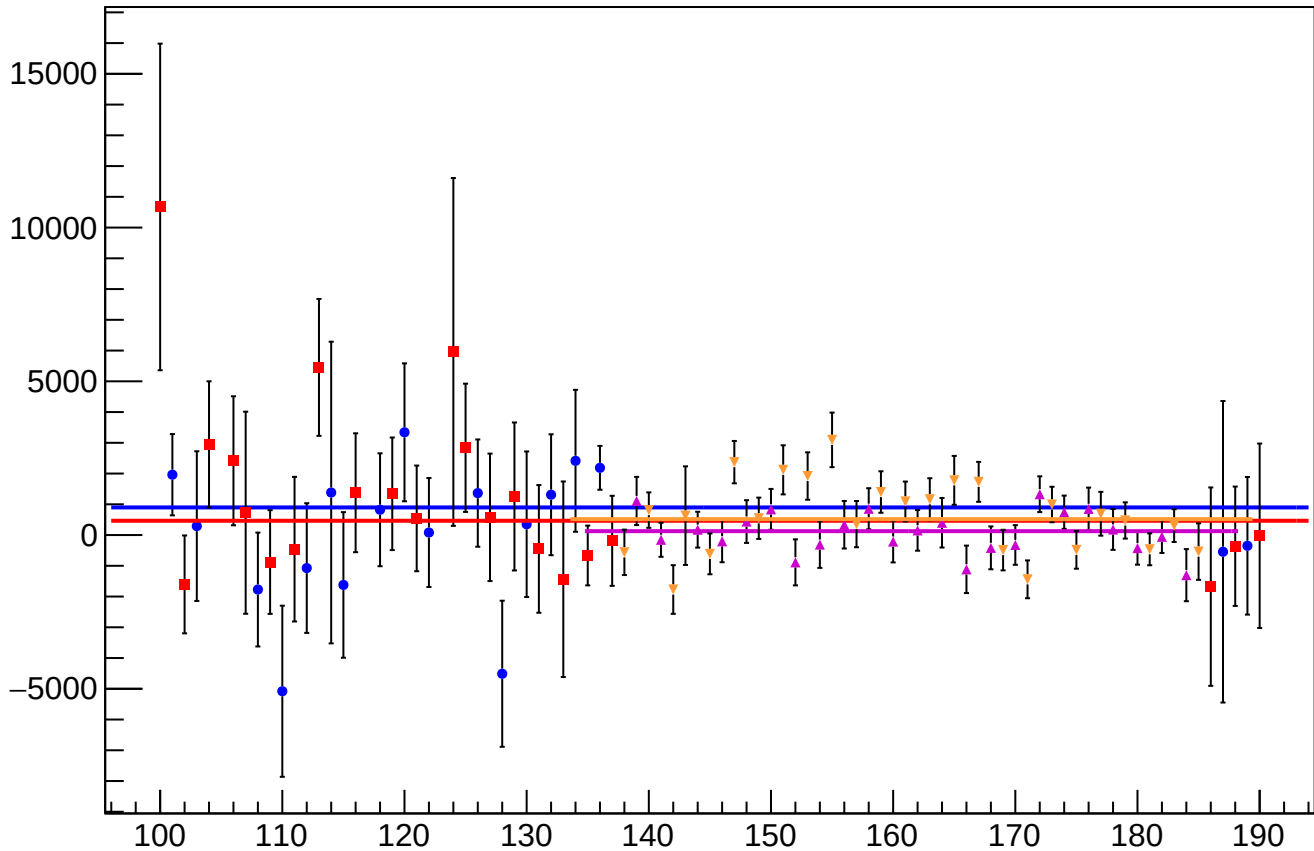
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1250.554 $\pm$ 0.170 χ^2 /NDF: 728798.1/42

All: 1250.831 $\pm$ 0.120 χ^2 /NDF: 1125207.3/87

- sign 1251.107 $\pm$ 0.170 χ^2 /NDF: 396404.0/44

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 898.158 $\pm$ 416.653 χ^2 /NDF: 20.3/17

Left Out: 516.811 $\pm$ 135.747 χ^2 /NDF: 67.0/24

Right Out: 464.643 $\pm$ 421.810 χ^2 /NDF: 19.1/21

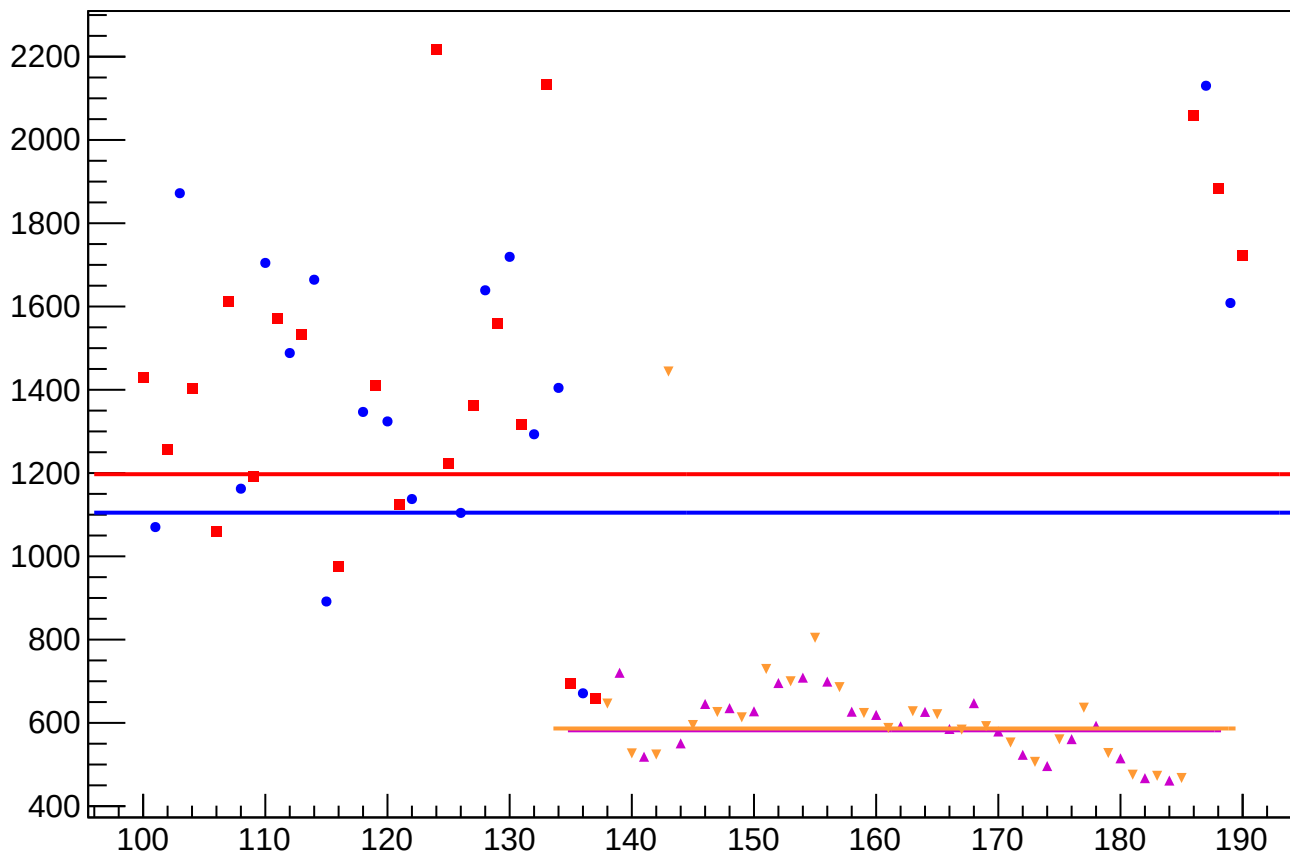
Left In: 126.549 $\pm$ 137.266 χ^2 /NDF: 21.6/22

+ sign 553.406 $\pm$ 129.069 χ^2 /NDF: 88.1/42

All: 358.382 $\pm$ 91.777 χ^2 /NDF: 133.9/87

- sign 158.924 $\pm$ 130.528 χ^2 /NDF: 41.2/44

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1104.872 +/- 0.295 χ^2/NDF : 1674845.3/17

Left Out: 586.562 +/- 0.096 χ^2/NDF : 1202822.0/24

Right Out: 1197.272 +/- 0.298 χ^2/NDF : 1783810.7/21

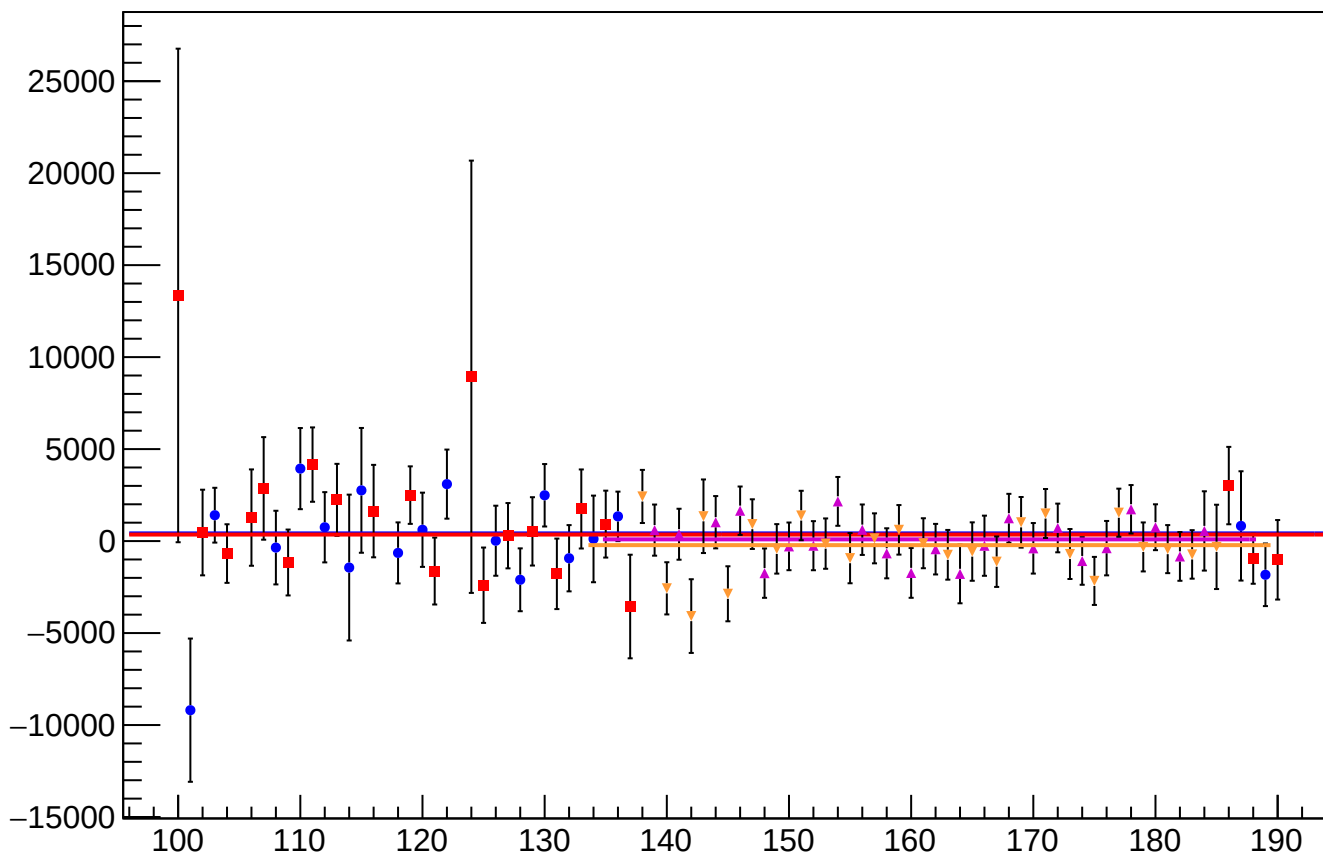
Left In: 582.189 +/- 0.097 χ^2/NDF : 559258.0/22

+ sign 636.300 +/- 0.091 χ^2/NDF : 5675667.6/42

All: 638.667 +/- 0.065 χ^2/NDF : 11865558.0/87

- sign 641.088 +/- 0.092 χ^2/NDF : 6188529.9/44

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 417.223+/-458.583 χ^2/NDF : 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF : 23.9/24

Right Out: 354.641+/-434.465 χ^2/NDF : 19.8/21

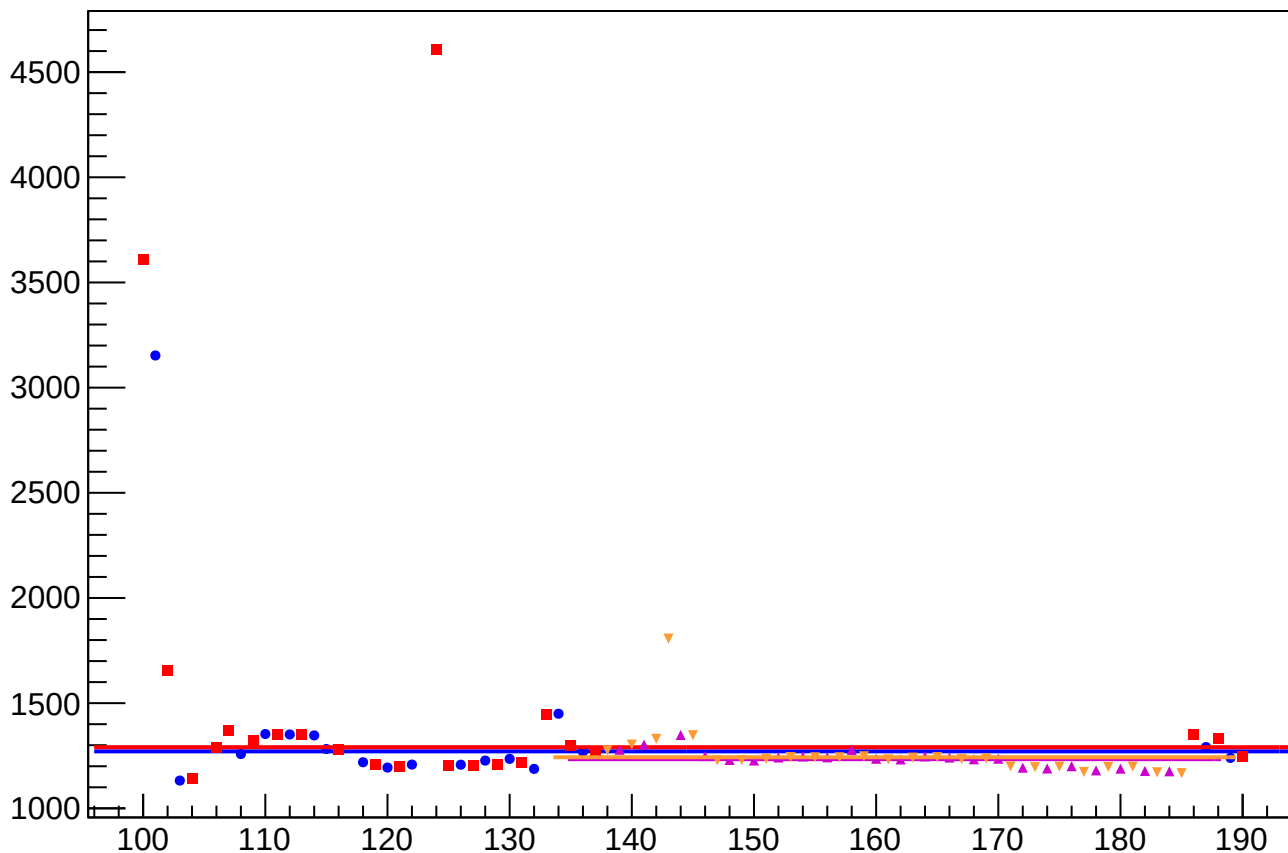
Left In: 92.472+/-288.217 χ^2/NDF : 14.7/22

+ sign -44.752+/-240.866 χ^2/NDF : 44.3/42

All: 64.231+/-170.073 χ^2/NDF : 79.4/87

- sign 172.589+/-240.174 χ^2/NDF : 34.7/44

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.843 $\pm$ 0.324 χ^2 /NDF: 520092.8/17

Left Out: 1242.825 $\pm$ 0.200 χ^2 /NDF: 203299.1/24

Right Out: 1290.542 $\pm$ 0.307 χ^2 /NDF: 333393.7/21

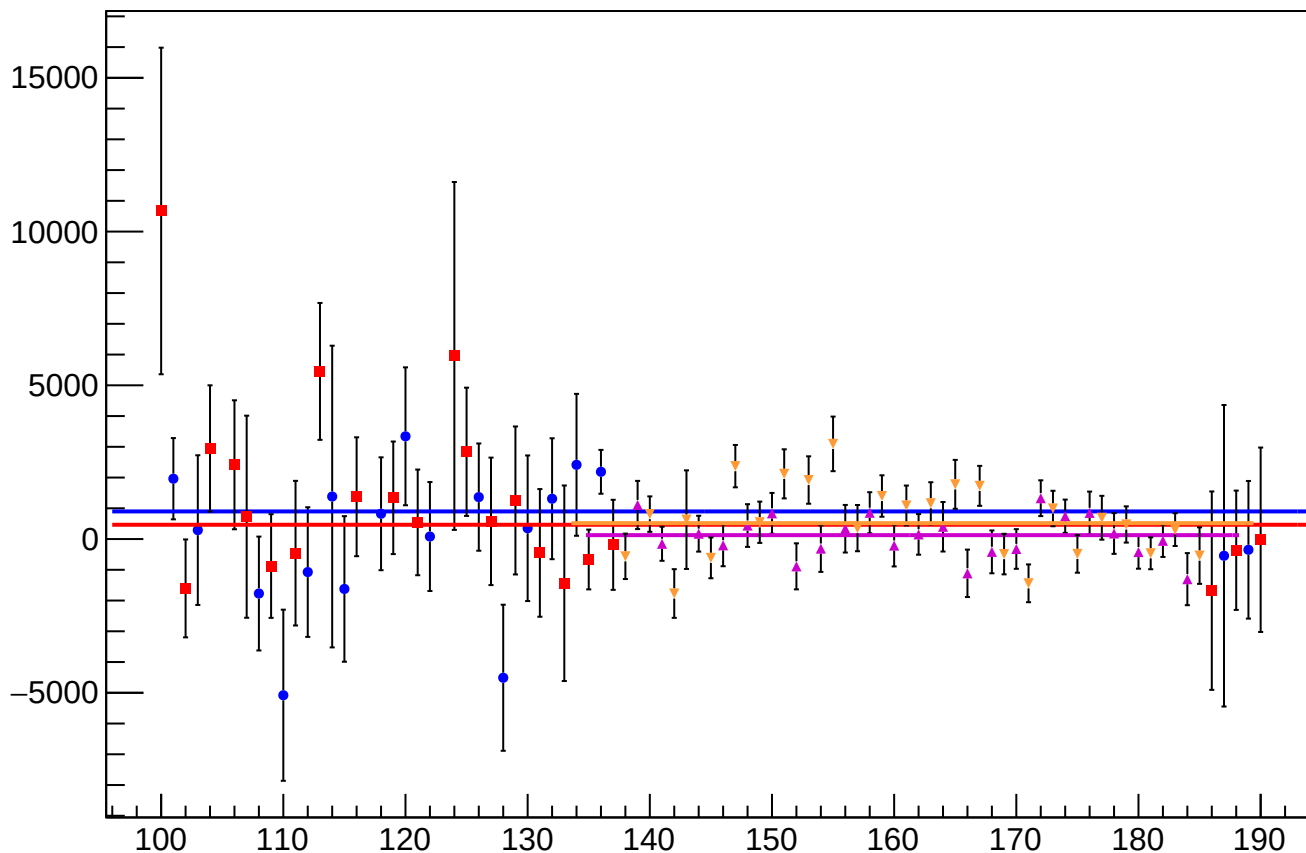
Left In: 1233.752 $\pm$ 0.204 χ^2 /NDF: 39281.7/22

+ sign 1250.554 $\pm$ 0.170 χ^2 /NDF: 728798.1/42

All: 1250.831 $\pm$ 0.120 χ^2 /NDF: 1125207.3/87

- sign 1251.107 $\pm$ 0.170 χ^2 /NDF: 396404.0/44

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug



Right In: 898.158 ± 416.653 χ^2/NDF : 20.3/17

Left Out: 516.811 ± 135.747 χ^2/NDF : 67.0/24

Right Out: 464.643 ± 421.810 χ^2/NDF : 19.1/21

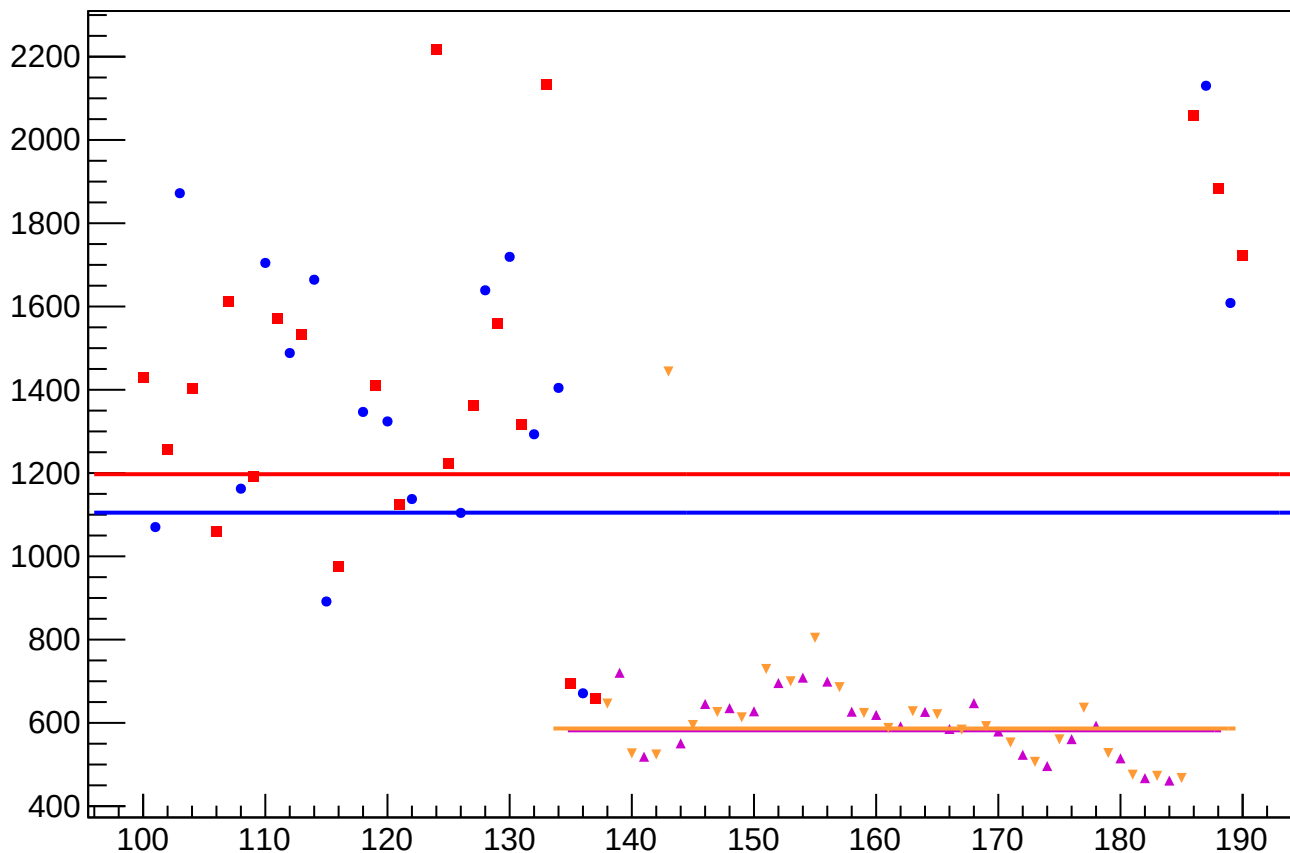
Left In: 126.549 ± 137.266 χ^2/NDF : 21.6/22

+ sign 553.406 ± 129.069 χ^2/NDF : 88.1/42

All: 358.382 ± 91.777 χ^2/NDF : 133.9/87

- sign 158.924 ± 130.528 χ^2/NDF : 41.2/44

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1104.872 $\pm$ 0.295 χ^2 /NDF: 1674845.3/17

Left Out: 586.562 $\pm$ 0.096 χ^2 /NDF: 1202822.0/24

Right Out: 1197.272 $\pm$ 0.298 χ^2 /NDF: 1783810.7/21

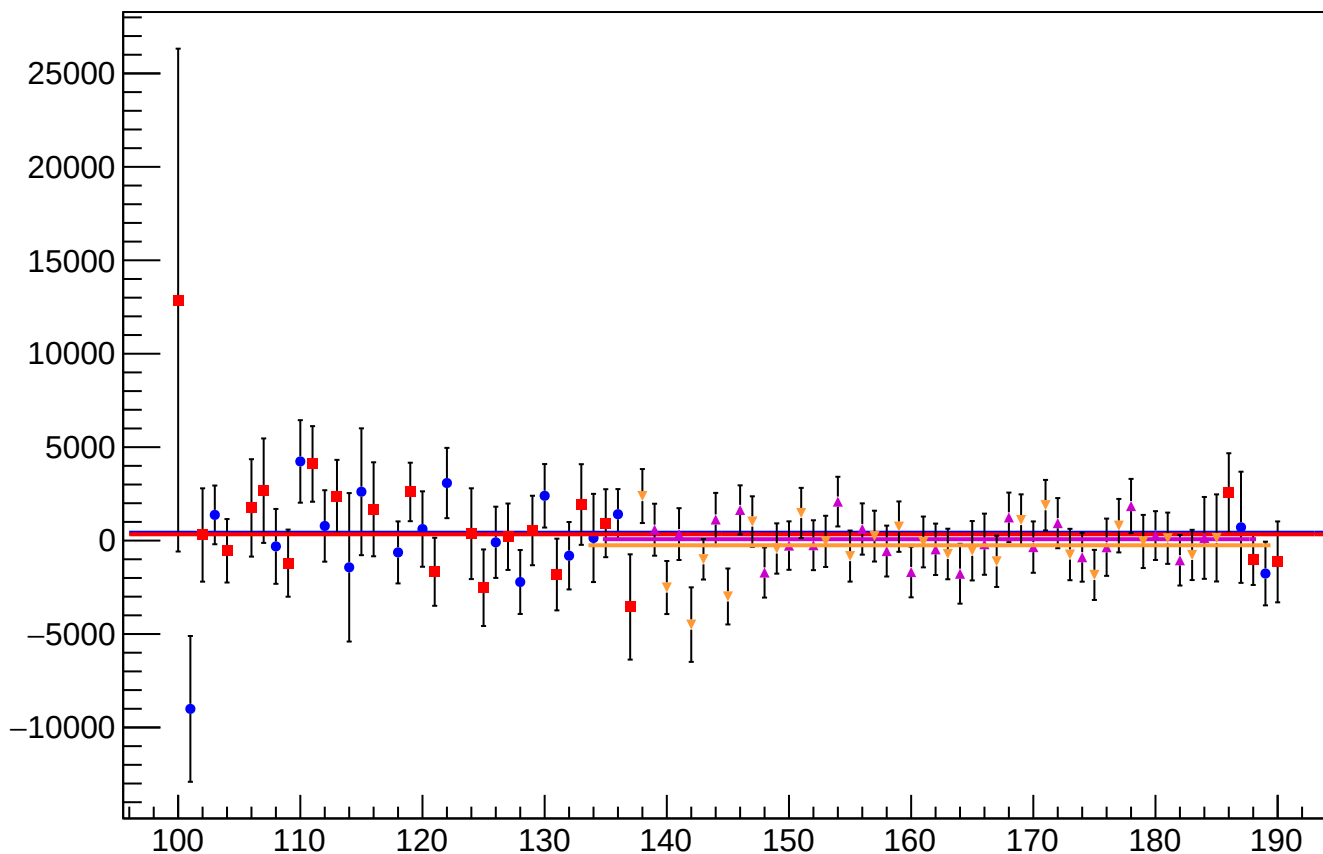
Left In: 582.189 $\pm$ 0.097 χ^2 /NDF: 559258.0/22

+ sign 636.300 $\pm$ 0.091 χ^2 /NDF: 5675667.6/42

All: 638.667 $\pm$ 0.065 χ^2 /NDF: 11865558.0/87

- sign 641.088 $\pm$ 0.092 χ^2 /NDF: 6188529.9/44

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 420.894+/-461.252 χ^2/NDF : 18.9/17

Left Out: -250.849+/-279.923 χ^2/NDF : 24.0/24

Right Out: 337.560+/-431.298 χ^2/NDF : 19.3/21

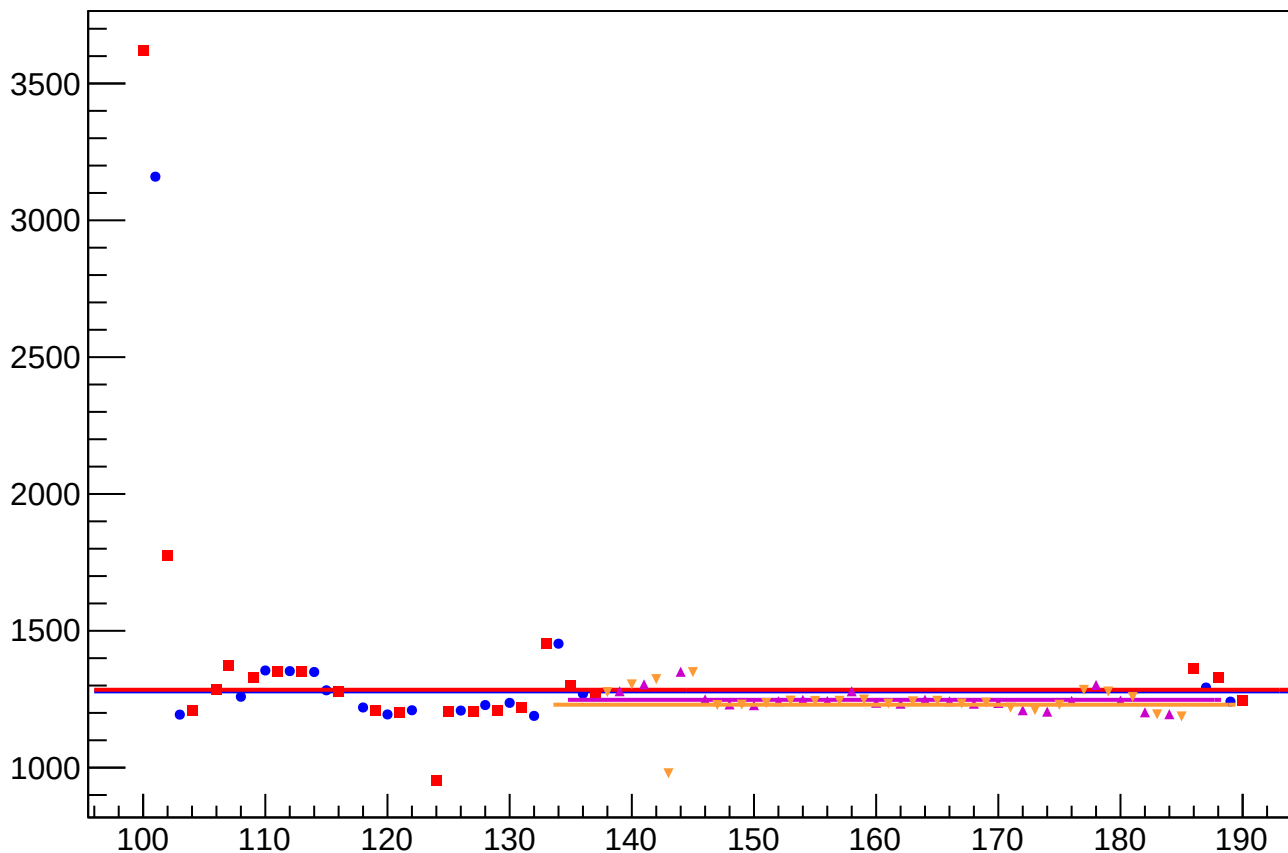
Left In: 74.881+/-291.458 χ^2/NDF : 14.0/22

+ sign -70.039+/-239.303 χ^2/NDF : 44.5/42

All: 42.563+/-169.980 χ^2/NDF : 78.5/87

- sign 157.231+/-241.488 χ^2/NDF : 33.6/44

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1278.697 $\pm$ 0.326 χ^2 /NDF: 508149.9/17

Left Out: 1229.986 $\pm$ 0.198 χ^2 /NDF: 141607.5/24

Right Out: 1284.594 $\pm$ 0.305 χ^2 /NDF: 226623.5/21

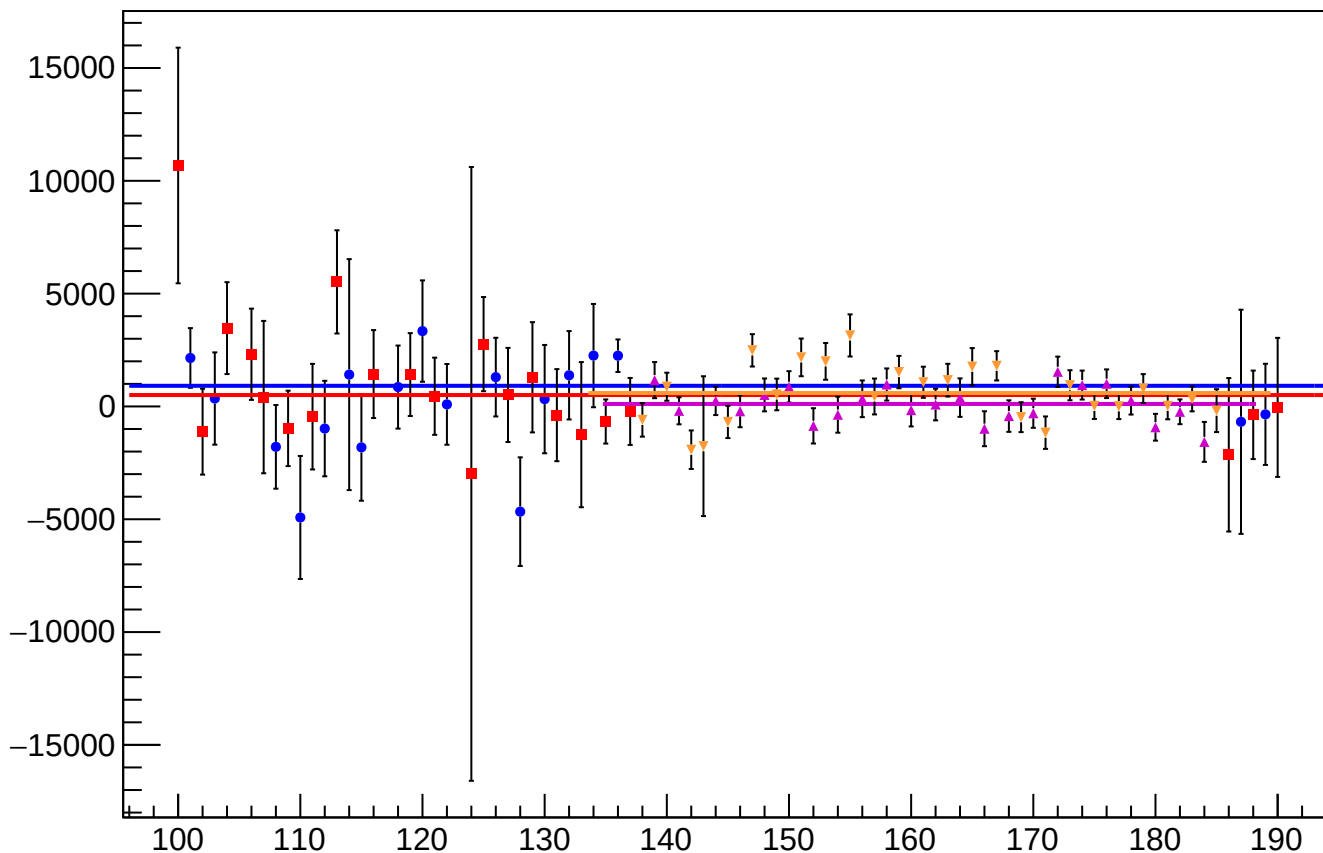
Left In: 1247.785 $\pm$ 0.206 χ^2 /NDF: 27340.8/22

+ sign 1243.098 $\pm$ 0.169 χ^2 /NDF: 666058.9/42

All: 1251.137 $\pm$ 0.120 χ^2 /NDF: 934579.8/87

- sign 1259.325 $\pm$ 0.171 χ^2 /NDF: 263964.5/44

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug



Right In: 915.040 $\pm$ 416.297 χ^2 /NDF: 20.9/17

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 505.241 $\pm$ 428.736 χ^2 /NDF: 18.0/21

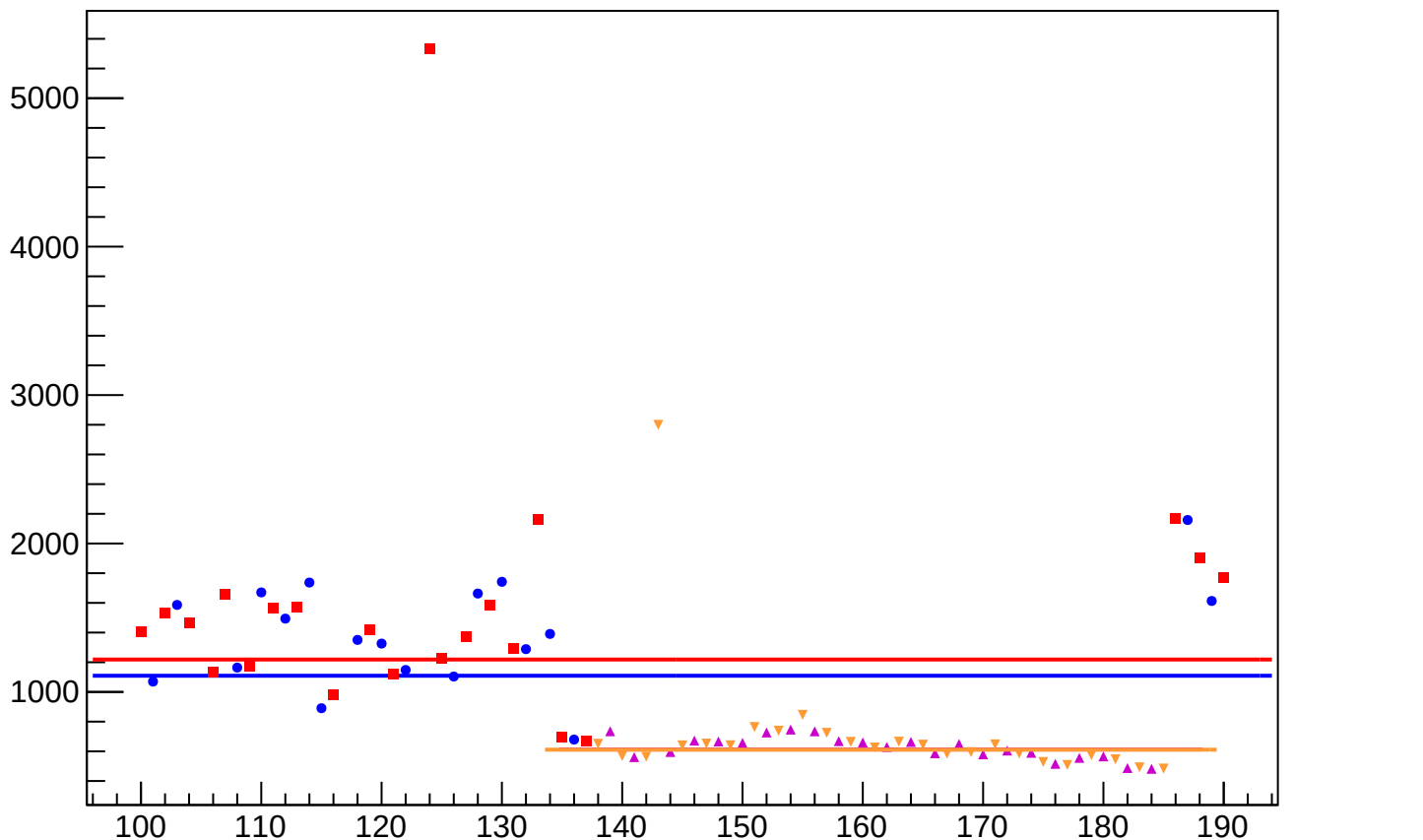
Left In: 110.252 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 628.411 $\pm$ 134.507 χ^2 /NDF: 78.7/42

All: 393.282 $\pm$ 95.878 χ^2 /NDF: 129.5/87

- sign 150.409 $\pm$ 136.704 χ^2 /NDF: 44.5/44

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1109.155 ± 0.294 $\chi^2/\text{NDF}: 1557785.6/17$

Left Out: 611.087 ± 0.101 $\chi^2/\text{NDF}: 1619322.3/24$

Right Out: 1218.459 ± 0.303 $\chi^2/\text{NDF}: 1991993.9/21$

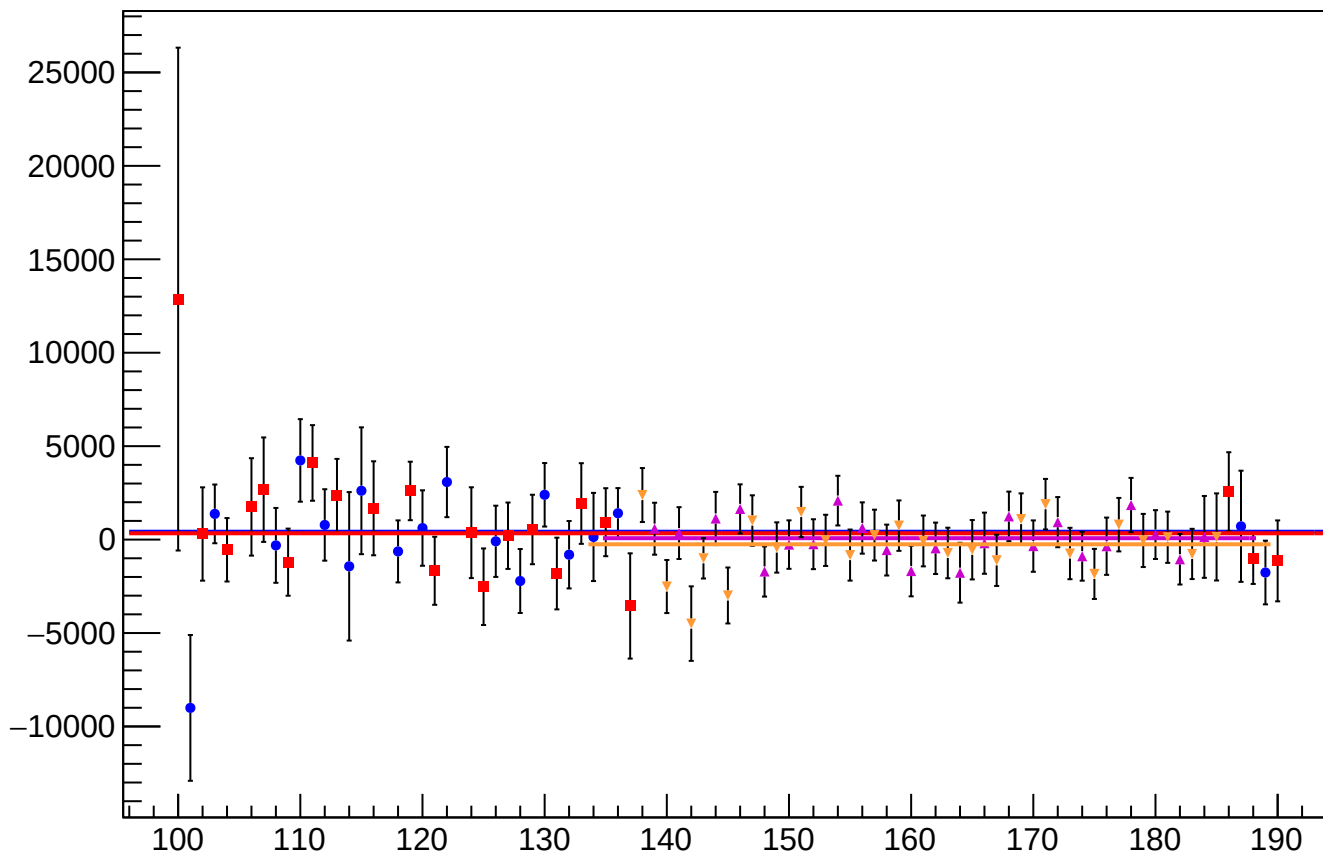
Left In: 612.399 ± 0.102 $\chi^2/\text{NDF}: 508595.4/22$

+ sign 663.083 ± 0.095 $\chi^2/\text{NDF}: 5741098.1/42$

All: 668.461 ± 0.068 $\chi^2/\text{NDF}: 11838386.6/87$

- sign 674.016 ± 0.097 $\chi^2/\text{NDF}: 6090789.2/44$

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 420.896 $\pm$ 461.252 χ^2 /NDF: 18.9/17

Left Out: -250.851 $\pm$ 279.923 χ^2 /NDF:24.0/24

Right Out: 337.560 $\pm$ 431.298 χ^2 /NDF: 19.3/21

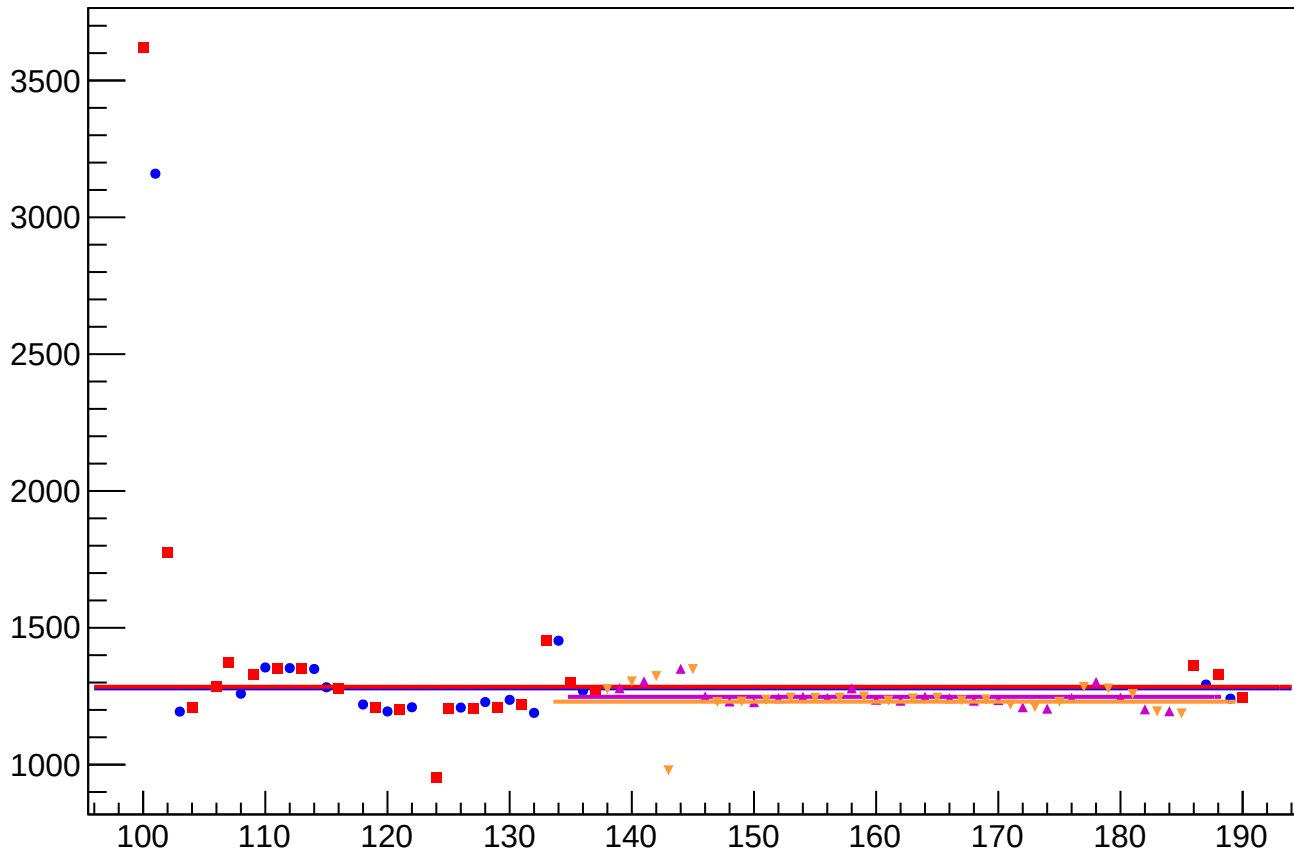
Left In: 74.881 $\pm$ 291.458 χ^2 /NDF:14.0/22

+ sign -70.040 $\pm$ 239.303 χ^2 /NDF: 44.5/42

All: 42.562 $\pm$ 169.980 χ^2 /NDF: 78.5/87

- sign 157.231 $\pm$ 241.488 χ^2 /NDF: 33.6/44

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1278.697 $\pm$ 0.326 χ^2 /NDF: 508150.0/17

Left Out: 1229.986 $\pm$ 0.198 χ^2 /NDF: 141606.6/24

Right Out: 1284.593 $\pm$ 0.305 χ^2 /NDF: 226623.4/21

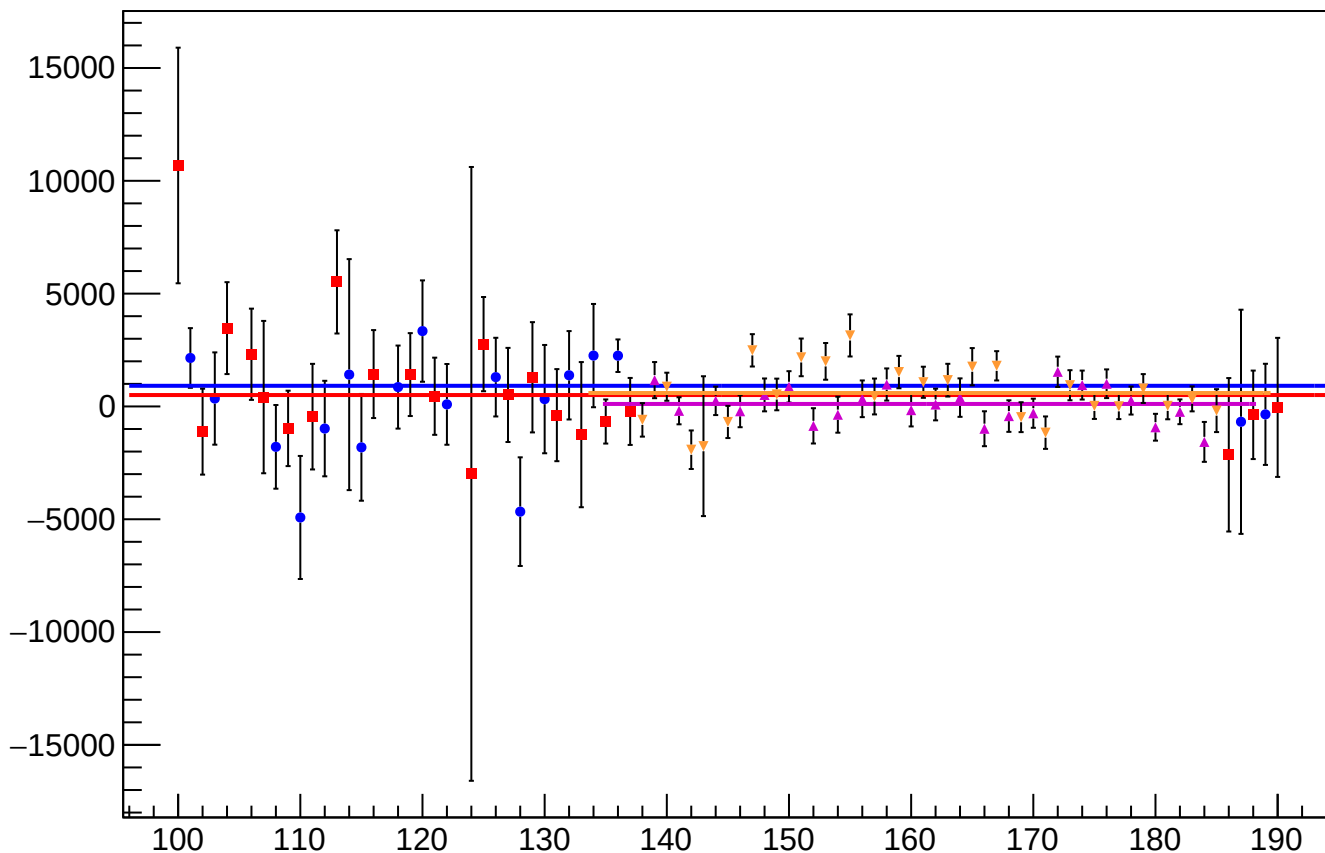
Left In: 1247.785 $\pm$ 0.206 χ^2 /NDF: 27340.7/22

+ sign 1243.097 $\pm$ 0.169 χ^2 /NDF: 666058.1/42

All: 1251.137 $\pm$ 0.120 χ^2 /NDF: 934578.9/87

- sign 1259.324 $\pm$ 0.171 χ^2 /NDF: 263964.4/44

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug



Right In: 915.035 $\pm$ 416.299 χ^2 /NDF: 20.9/17

Left Out: 595.000 $\pm$ 142.130 χ^2 /NDF: 57.3/24

Right Out: 505.249 $\pm$ 428.738 χ^2 /NDF: 18.0/21

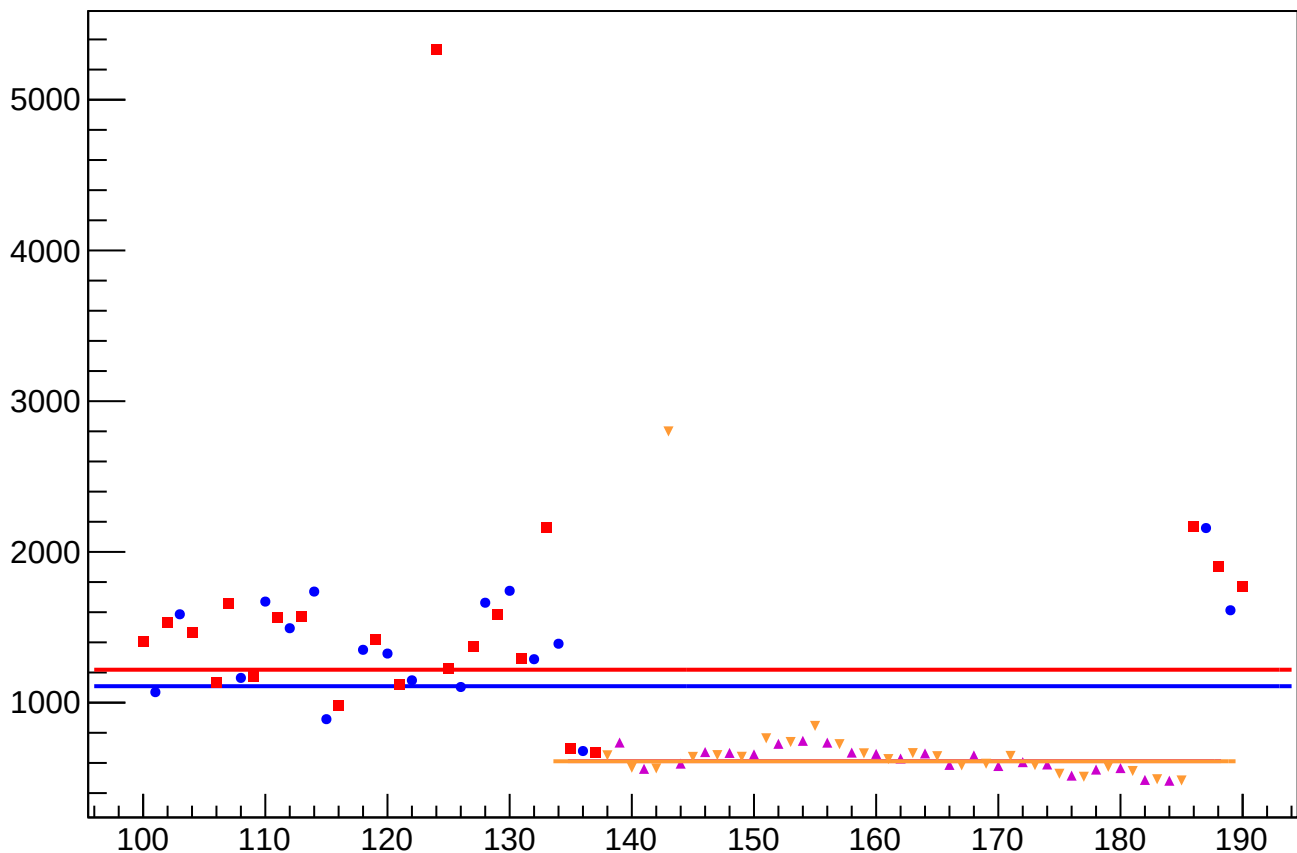
Left In: 110.251 $\pm$ 144.232 χ^2 /NDF: 25.7/22

+ sign 628.410 $\pm$ 134.507 χ^2 /NDF: 78.7/42

All: 393.281 $\pm$ 95.878 χ^2 /NDF: 129.5/87

- sign 150.409 $\pm$ 136.704 χ^2 /NDF: 44.5/44

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1109.161 ± 0.294 χ^2/NDF : 1557725.6/17

Left Out: 611.086 ± 0.101 χ^2/NDF : 1619319.5/24

Right Out: 1218.466 ± 0.303 χ^2/NDF : 1991934.7/21

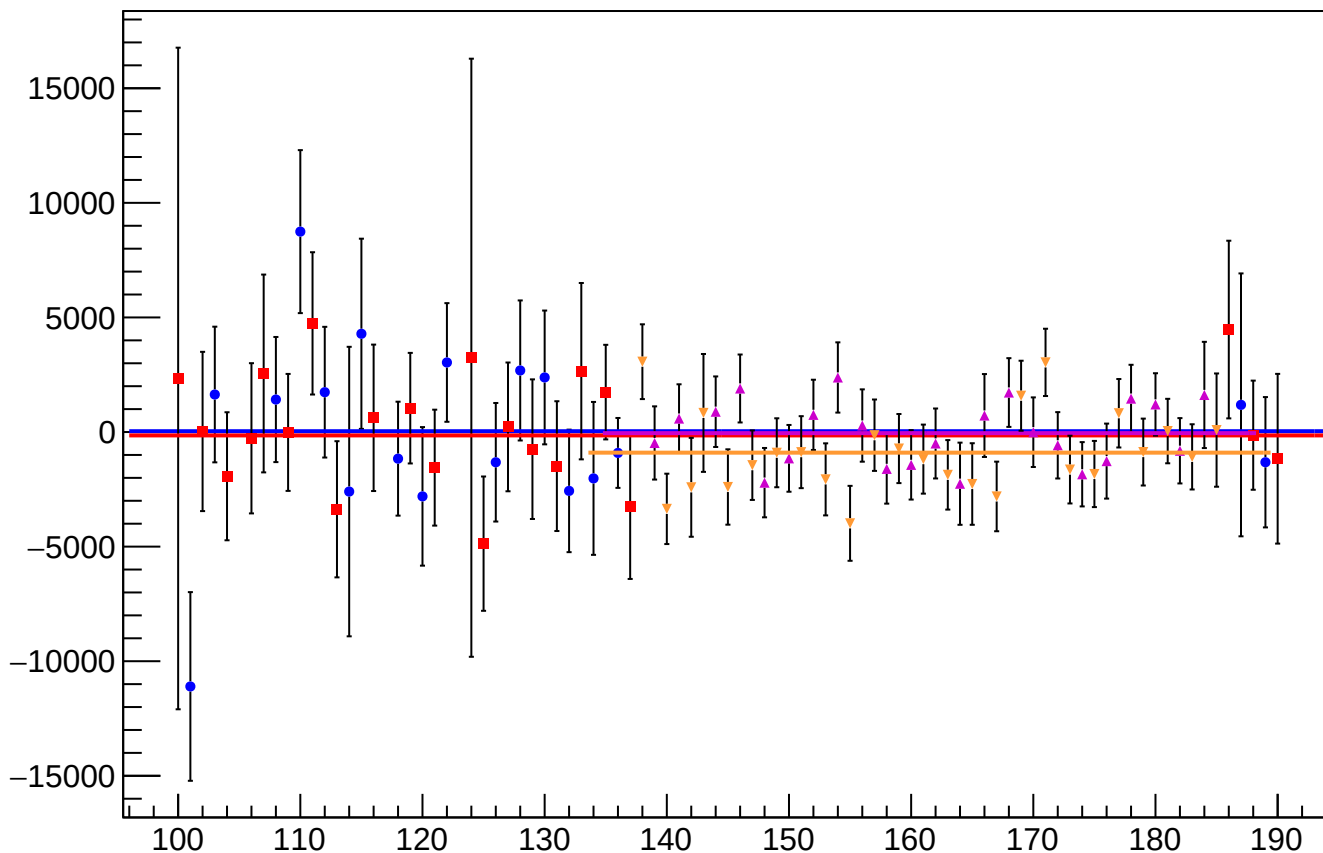
Left In: 612.398 ± 0.102 χ^2/NDF : 508597.7/22

+ sign 663.083 ± 0.095 χ^2/NDF : 5741086.7/42

All: 668.460 ± 0.068 χ^2/NDF : 11838386.5/87

- sign 674.015 ± 0.097 χ^2/NDF : 6090801.1/44

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 35.709 ± 674.071 χ^2/NDF : 21.6/17

Left Out: -899.894 ± 316.449 χ^2/NDF : 29.8/24

Right Out: -147.669 ± 651.172 χ^2/NDF : 11.9/21

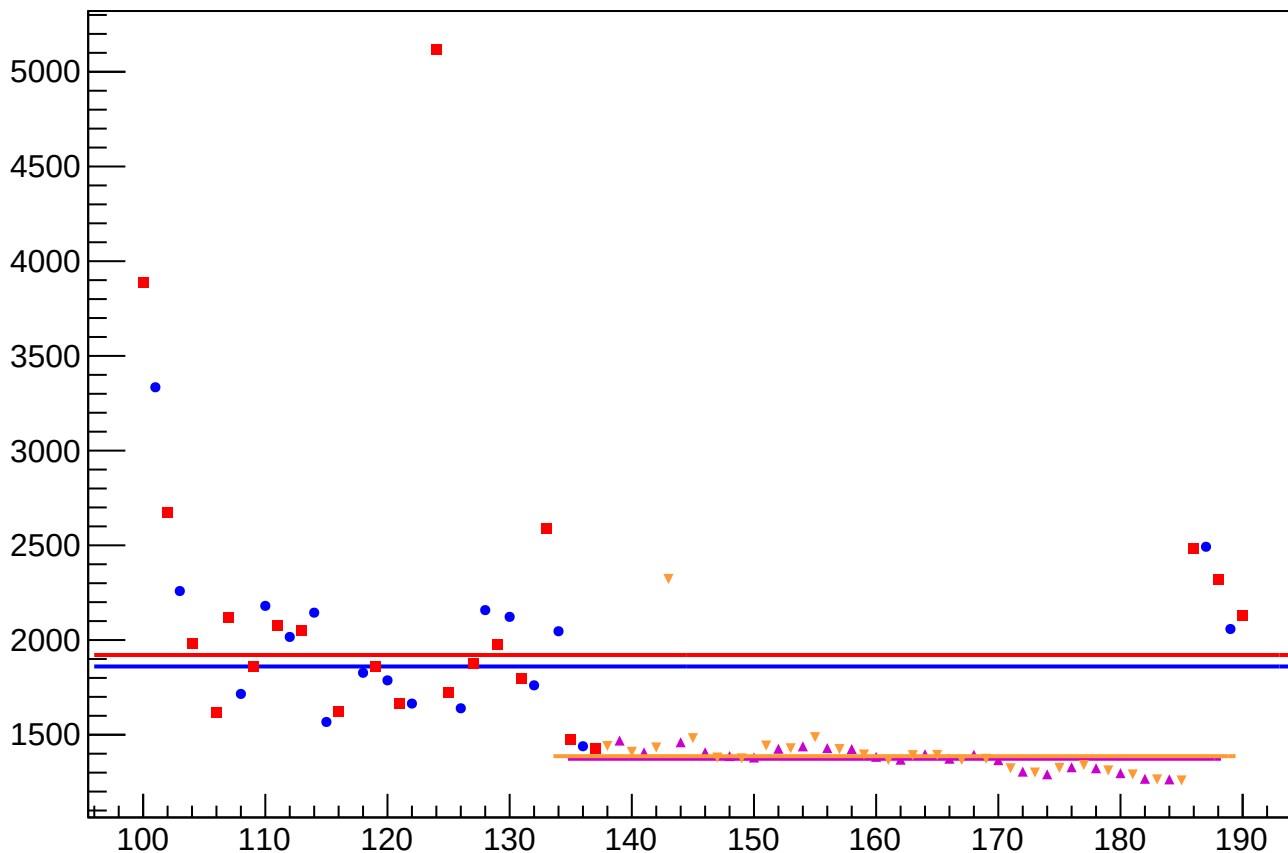
Left In: -48.178 ± 320.929 χ^2/NDF : 17.9/22

+ sign -730.933 ± 286.453 χ^2/NDF : 53.0/42

All: -400.909 ± 203.051 χ^2/NDF : 85.4/87

- sign -67.621 ± 287.866 χ^2/NDF : 29.8/44

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1860.446 $\pm$ 0.477 χ^2/NDF : 592536.1/17

Left Out: 1386.845 $\pm$ 0.224 χ^2/NDF : 339794.5/24

Right Out: 1920.960 $\pm$ 0.460 χ^2/NDF : 641334.0/21

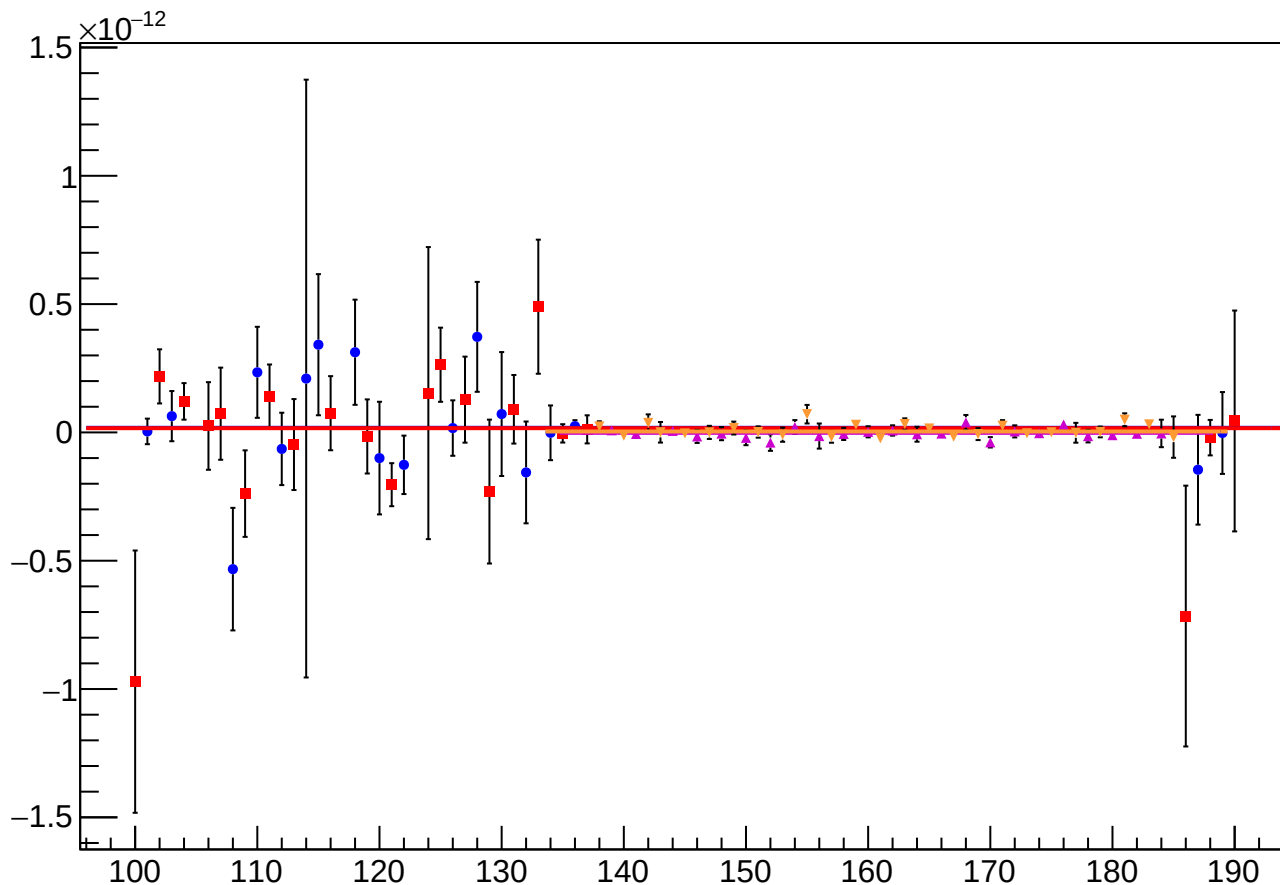
Left In: 1373.217 $\pm$ 0.227 χ^2/NDF : 64467.6/22

+ sign 1472.373 $\pm$ 0.203 χ^2/NDF : 1741325.4/42

All: 1476.299 $\pm$ 0.144 χ^2/NDF : 3586461.7/87

- sign 1480.263 $\pm$ 0.204 χ^2/NDF : 1844381.4/44

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 30.6/21

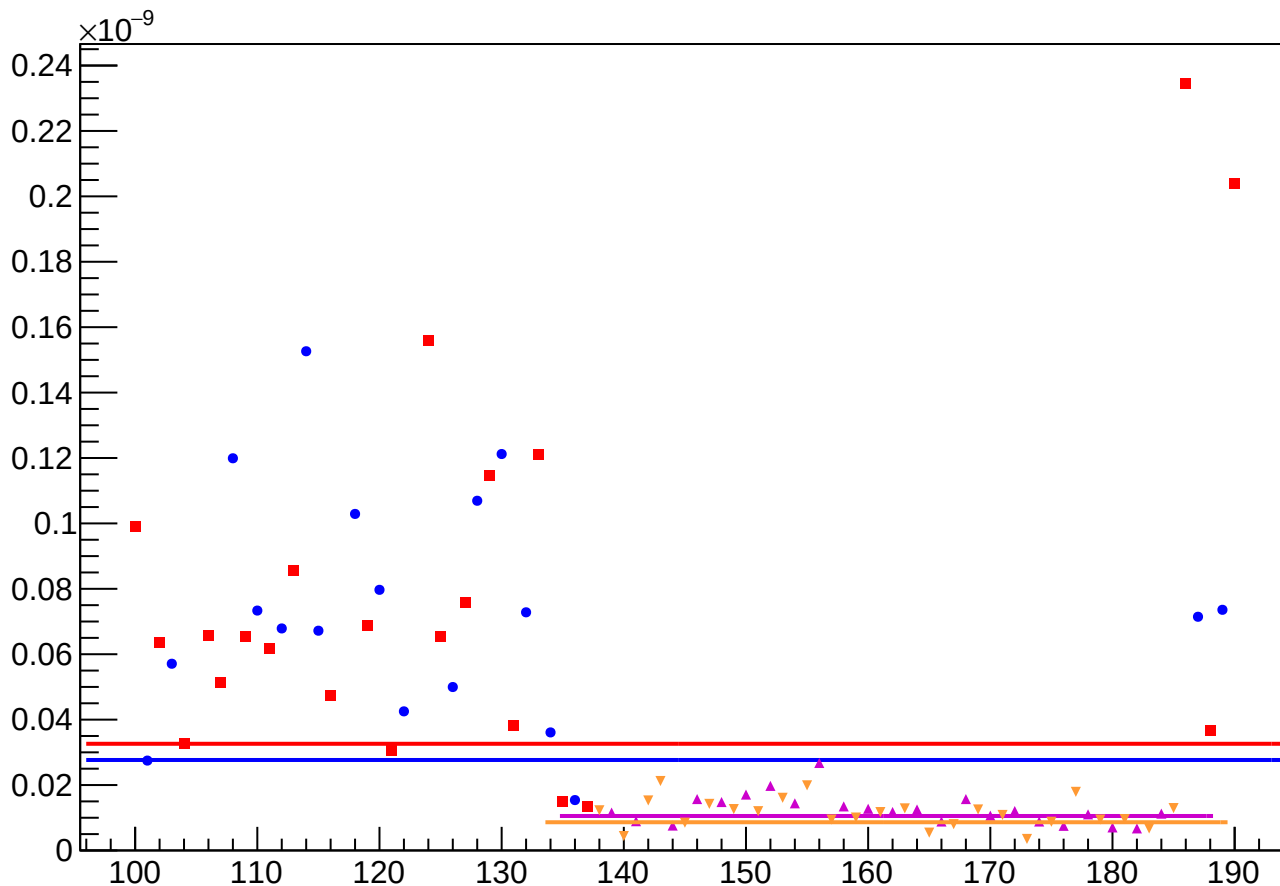
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.4/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 88.0/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.8/44

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2835767.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2921849.6/21

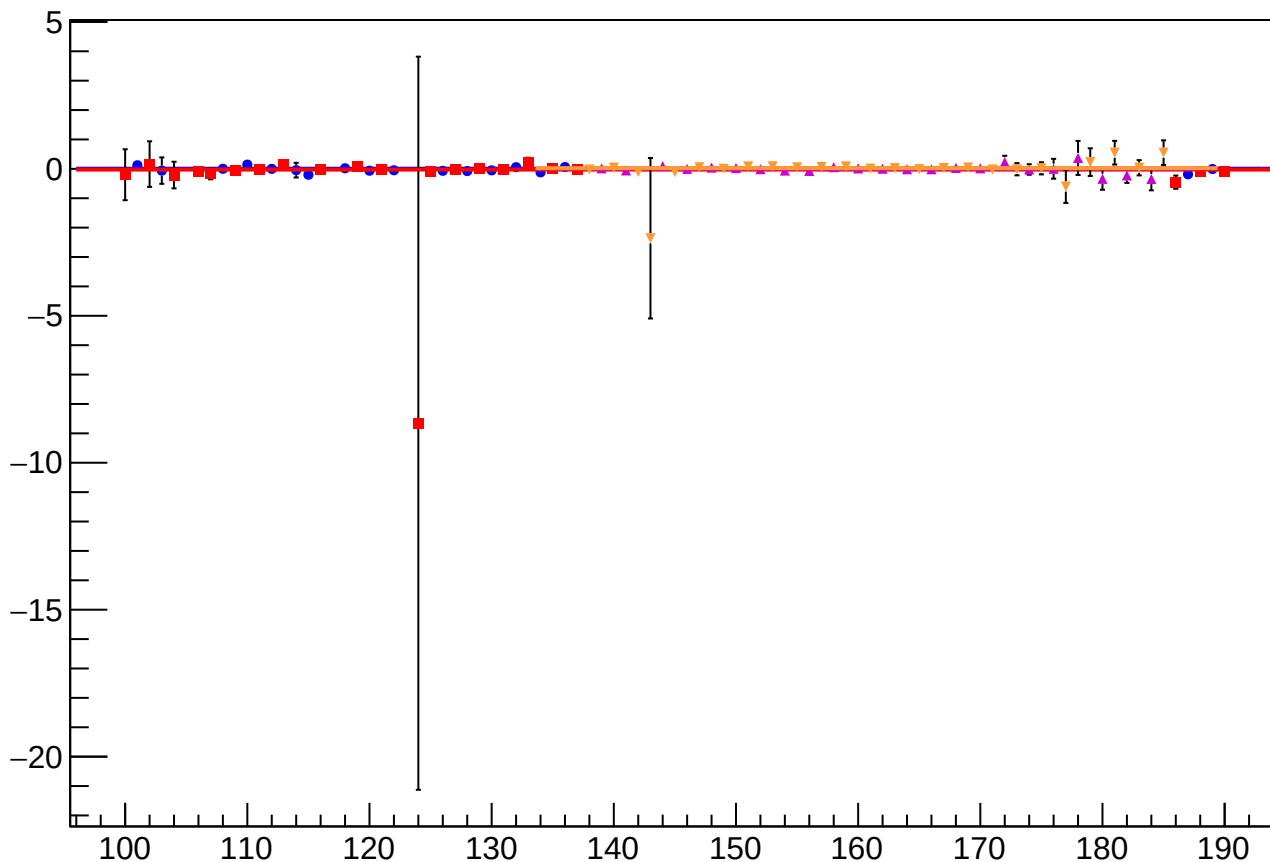
Left In: 0.000+/-0.000 χ^2/NDF : 1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 6993745.0/42

All: 0.000+/-0.000 χ^2/NDF : 13493534.0/87

- sign 0.000+/-0.000 χ^2/NDF : 6238823.8/44

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.015 χ^2/NDF : 21.6/17

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 18.8/21

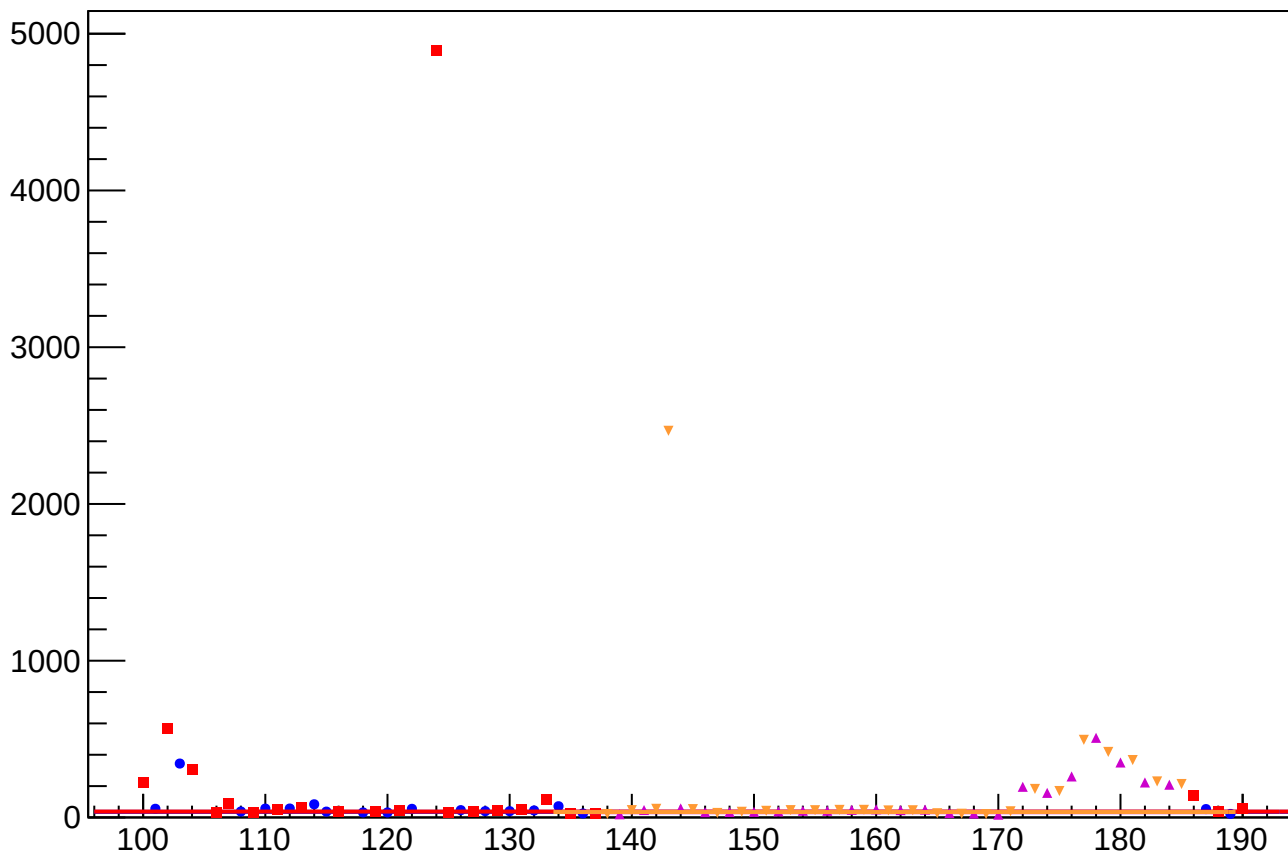
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.017 ± 0.008 χ^2/NDF : 45.7/42

All: 0.008 ± 0.006 χ^2/NDF : 85.2/87

- sign -0.001 ± 0.008 χ^2/NDF : 37.2/44

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.758 $\pm$ 0.011 χ^2 /NDF: 2253352.4/17

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 37.603 $\pm$ 0.011 χ^2 /NDF: 3709042.0/21

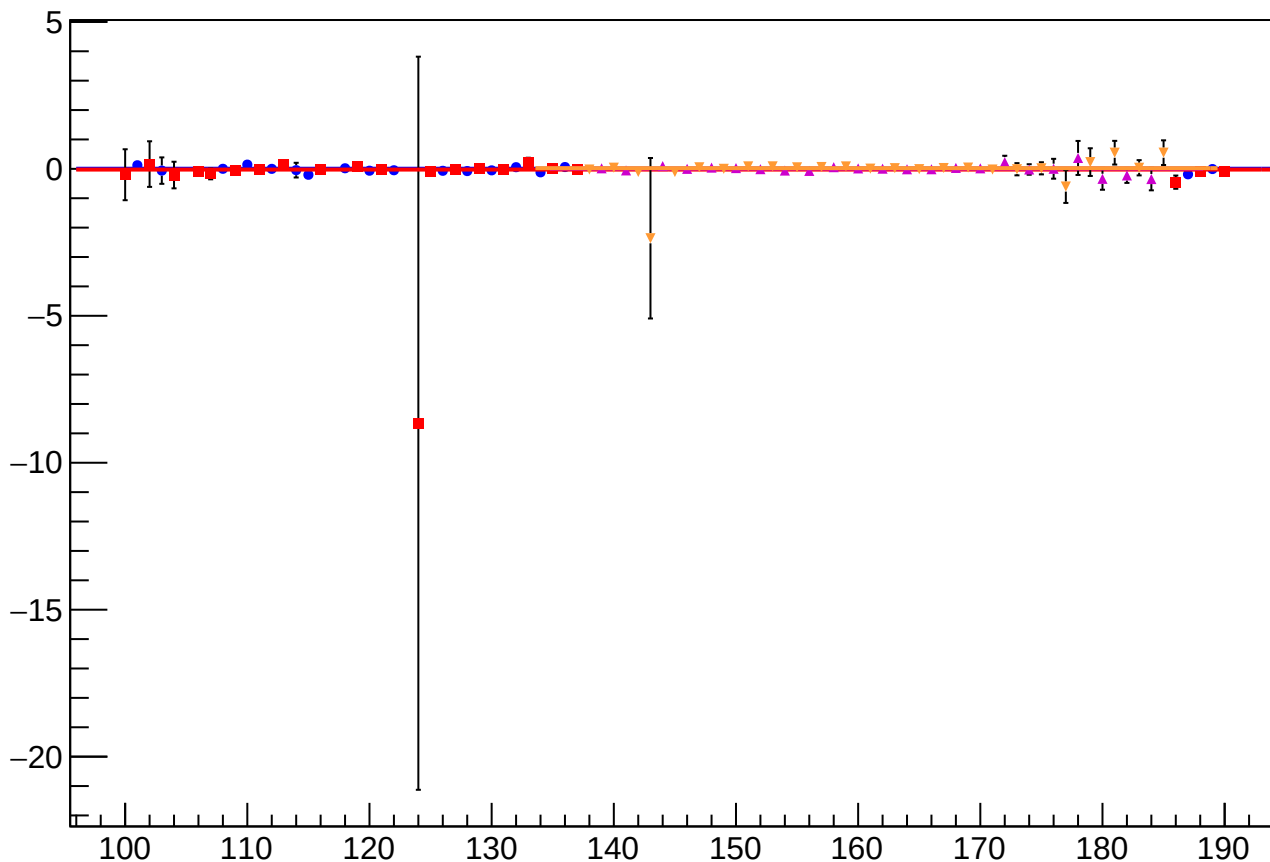
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 34.986 $\pm$ 0.006 χ^2 /NDF: 13663706.3/42

All: 34.889 $\pm$ 0.004 χ^2 /NDF: 27538347.7/87

- sign 34.795 $\pm$ 0.006 χ^2 /NDF: 13874116.1/44

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.015 χ^2/NDF : 21.6/17

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 18.8/21

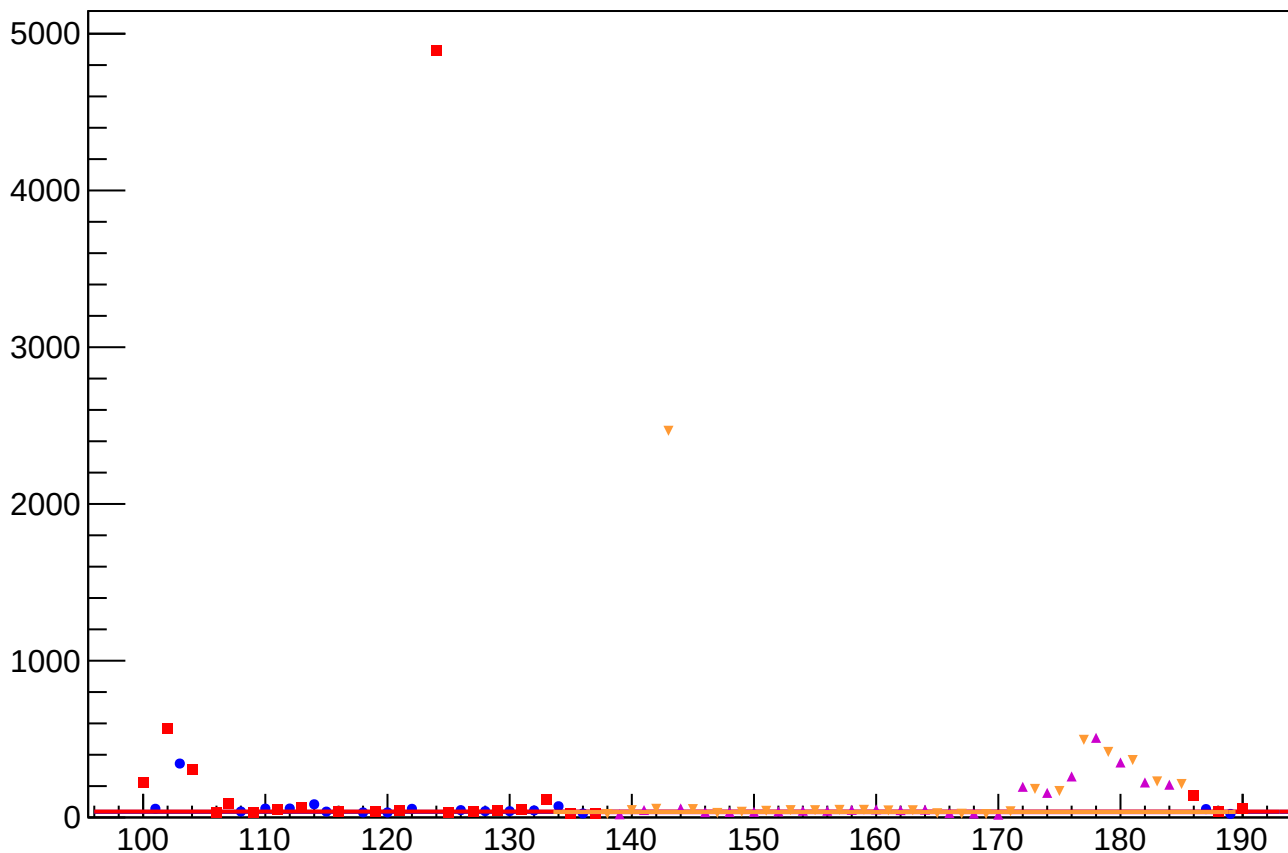
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.017 ± 0.008 χ^2/NDF : 45.7/42

All: 0.008 ± 0.006 χ^2/NDF : 85.2/87

- sign -0.001 ± 0.008 χ^2/NDF : 37.2/44

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.758 $\pm$ 0.011 χ^2 /NDF: 2253352.4/17

Left Out: 34.624 $\pm$ 0.007 χ^2 /NDF: 11402451.4/24

Right Out: 37.603 $\pm$ 0.011 χ^2 /NDF: 3709042.0/21

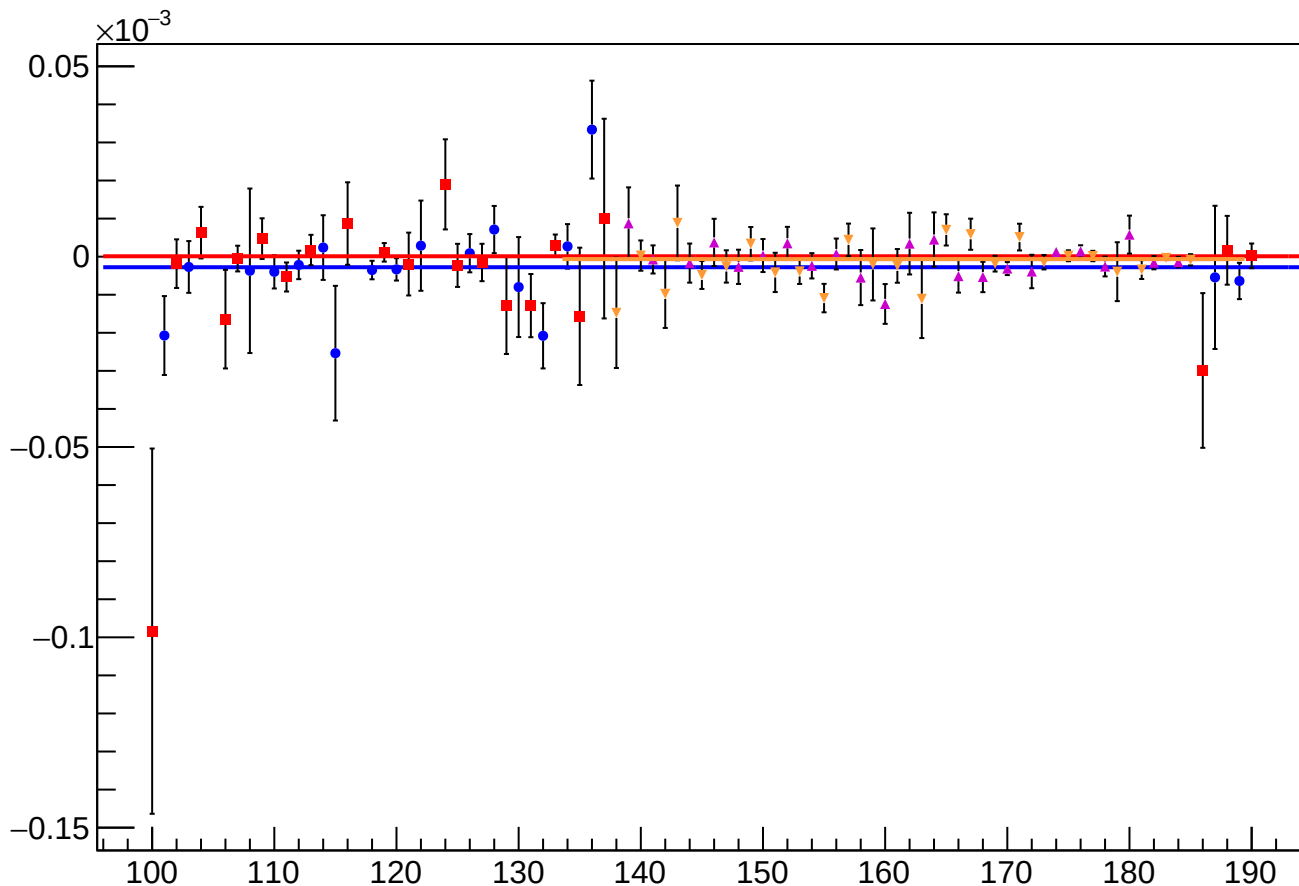
Left In: 33.592 $\pm$ 0.007 χ^2 /NDF: 10067466.4/22

+ sign 34.986 $\pm$ 0.006 χ^2 /NDF: 13663706.3/42

All: 34.889 $\pm$ 0.004 χ^2 /NDF: 27538347.7/87

- sign 34.795 $\pm$ 0.006 χ^2 /NDF: 13874116.1/44

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 22.5/17

Left Out: -0.000+/-0.000 χ^2 /NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 21.1/21

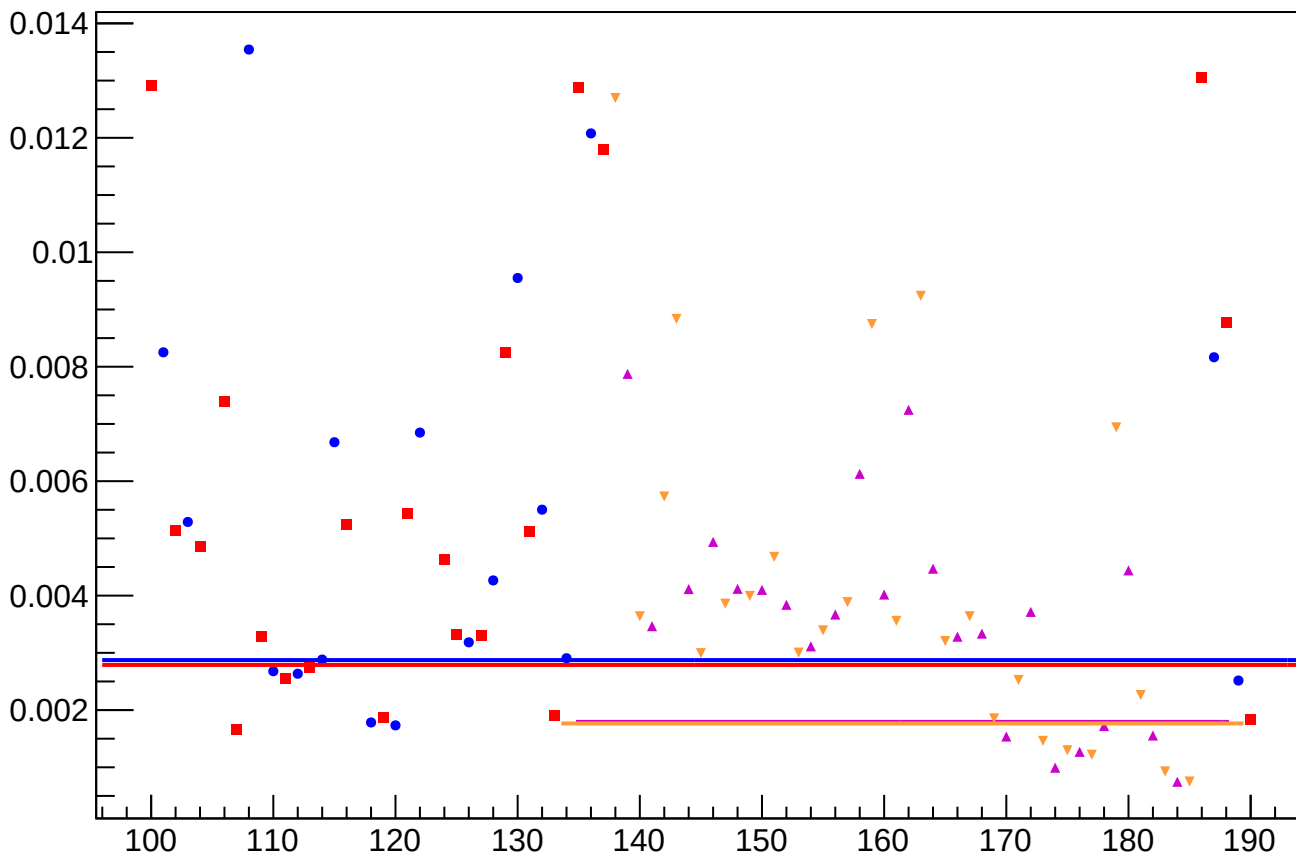
Left In: -0.000+/-0.000 χ^2 /NDF:21.9/22

+ sign -0.000+/-0.000 χ^2 /NDF: 53.4/42

All: -0.000+/-0.000 χ^2 /NDF: 97.2/87

- sign -0.000+/-0.000 χ^2 /NDF: 43.4/44

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4321613.8/17

Left Out: 0.002+/-0.000 χ^2/NDF :12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4873655.6/21

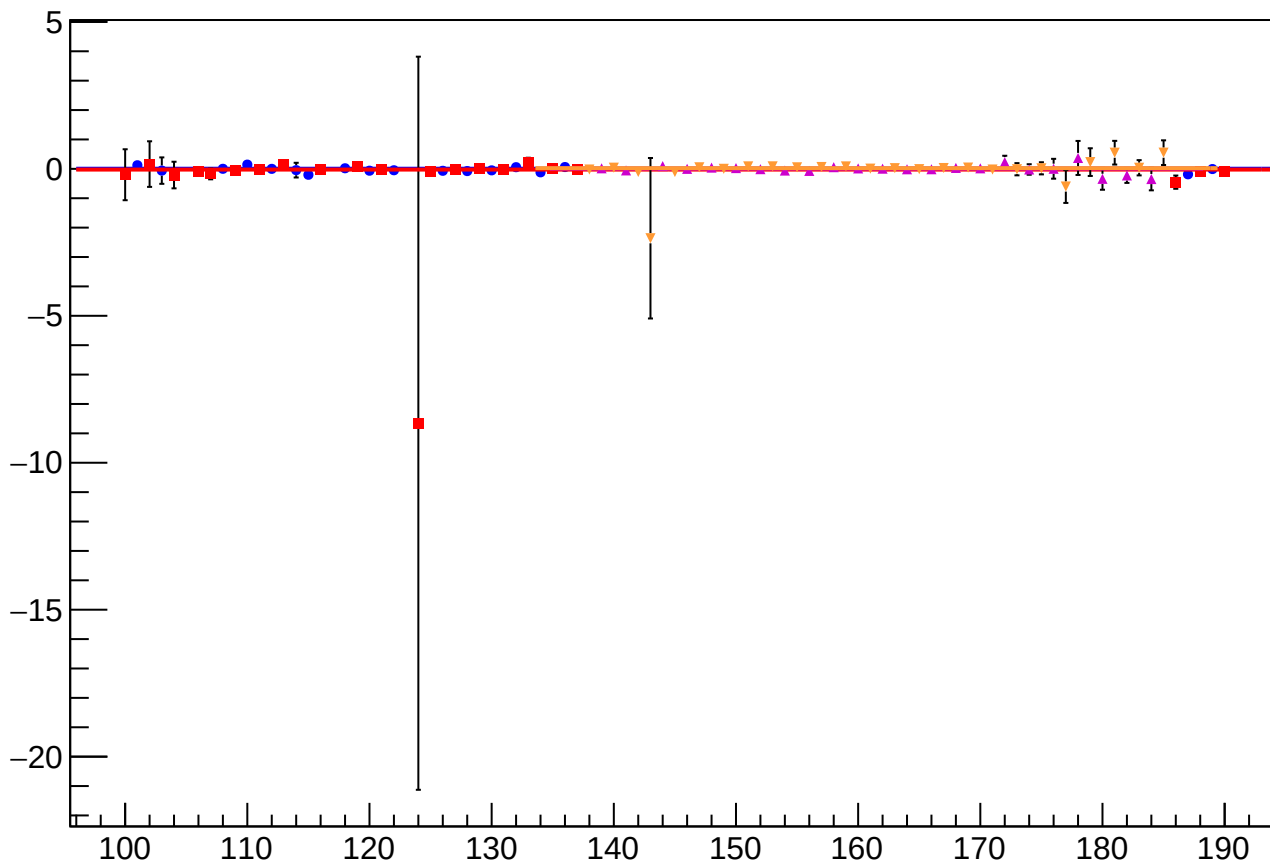
Left In: 0.002+/-0.000 χ^2/NDF :10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF : 18579898.9/42

All: 0.002+/-0.000 χ^2/NDF : 35566857.8/87

- sign 0.002+/-0.000 χ^2/NDF : 16967624.0/44

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.015 χ^2/NDF : 21.6/17

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 18.8/21

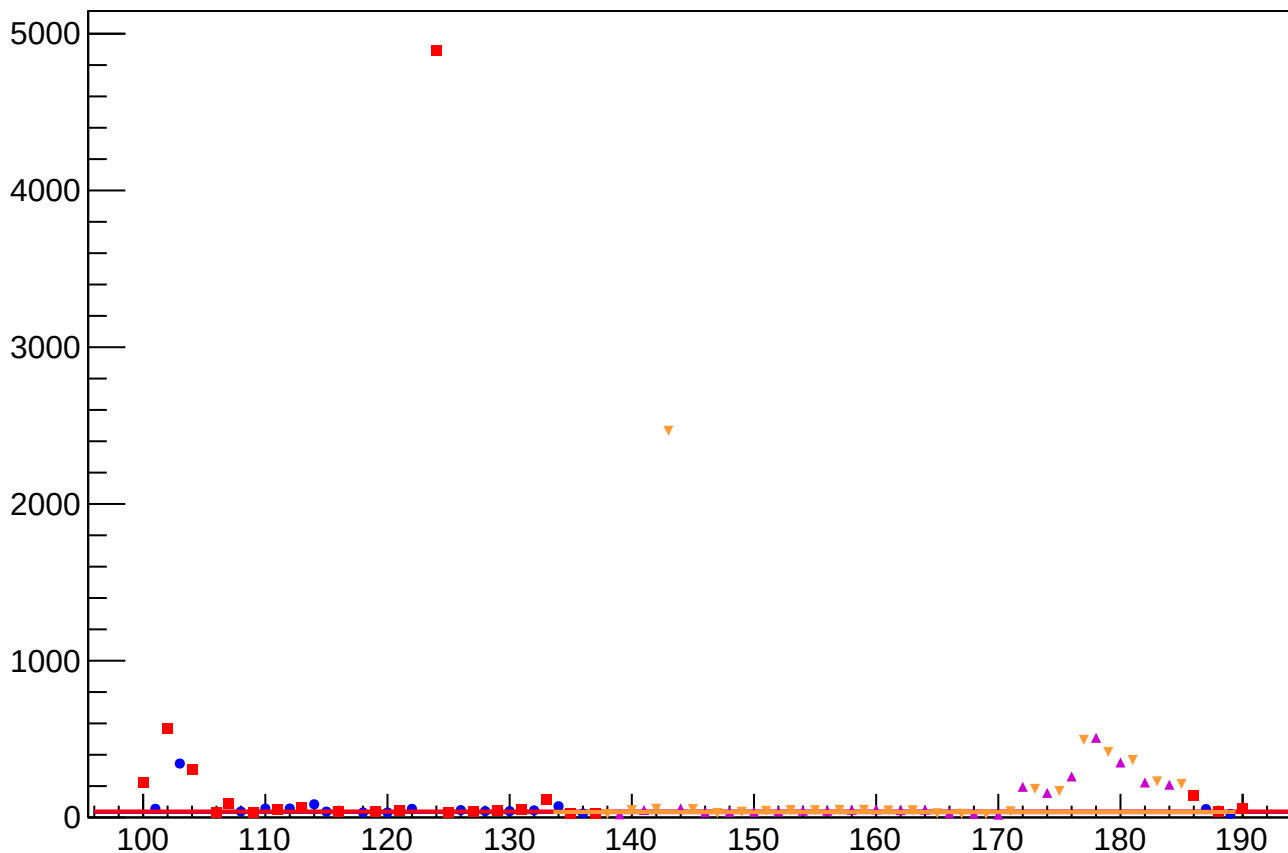
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.017 ± 0.008 χ^2/NDF : 45.7/42

All: 0.008 ± 0.006 χ^2/NDF : 85.2/87

- sign -0.001 ± 0.008 χ^2/NDF : 37.2/44

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.762 $\pm$ 0.011 χ^2 /NDF: 2252643.7/17

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 37.605 $\pm$ 0.011 χ^2 /NDF: 3708716.7/21

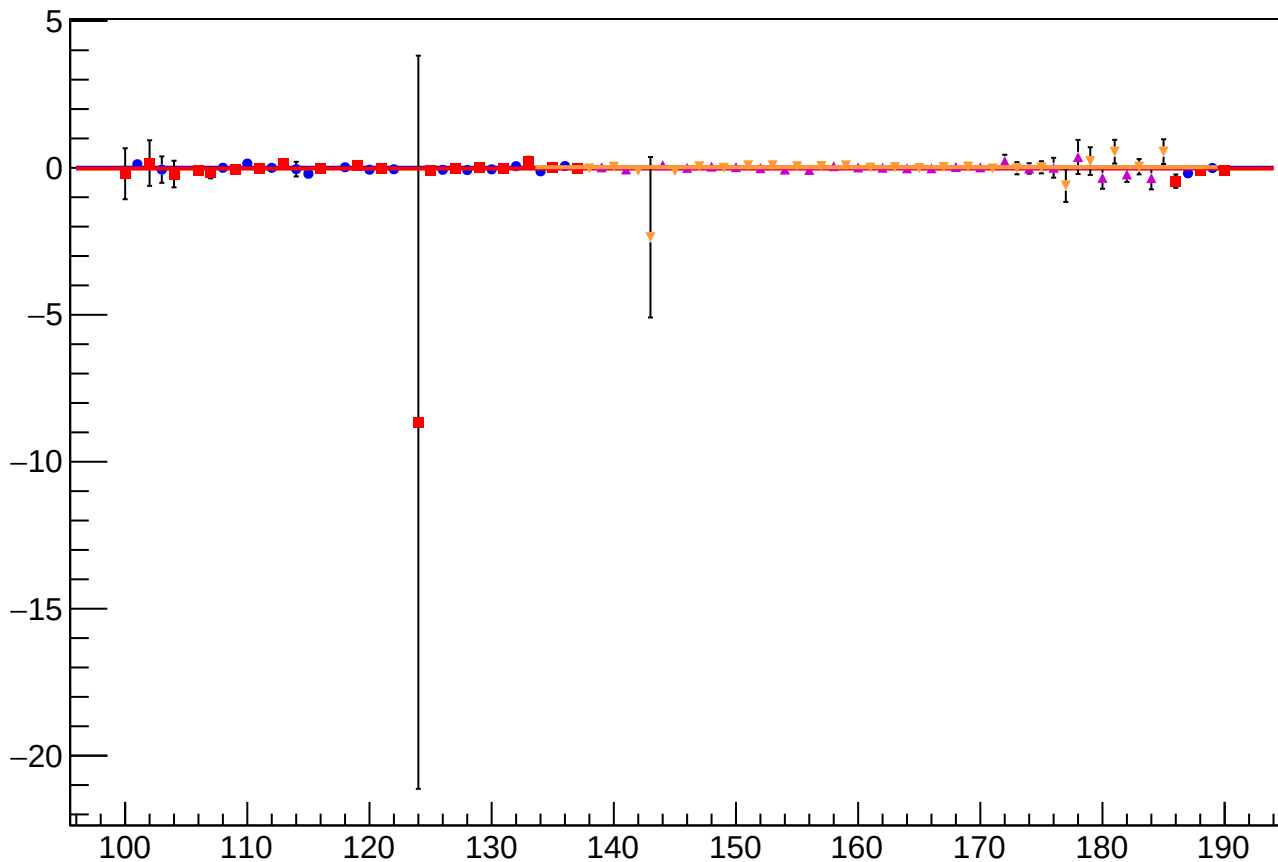
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 34.987 $\pm$ 0.006 χ^2 /NDF: 13663180.8/42

All: 34.891 $\pm$ 0.004 χ^2 /NDF: 27536194.6/87

- sign 34.797 $\pm$ 0.006 χ^2 /NDF: 13872497.2/44

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.015 χ^2/NDF : 21.6/17

Left Out: 0.023 ± 0.010 χ^2/NDF : 22.8/24

Right Out: -0.025 ± 0.015 χ^2/NDF : 18.8/21

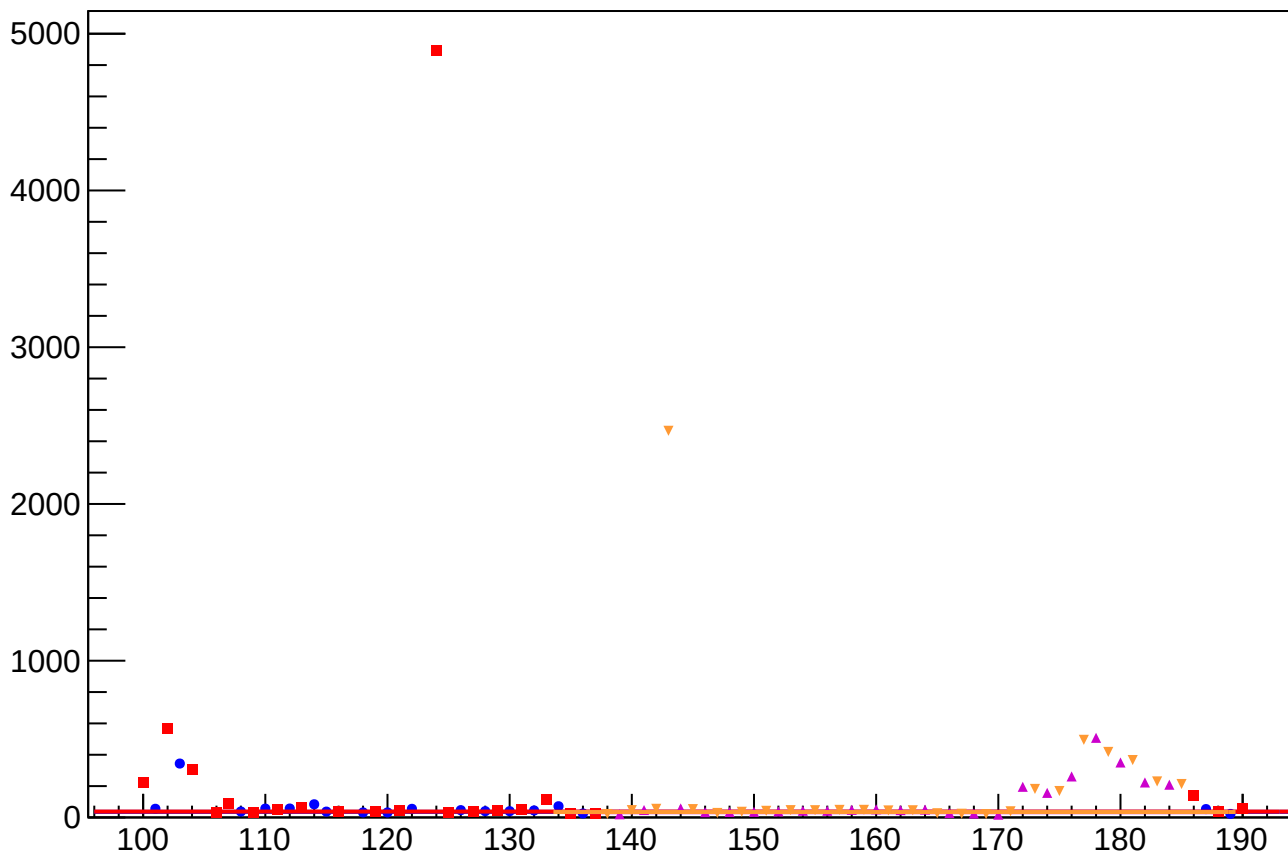
Left In: 0.010 ± 0.010 χ^2/NDF : 14.8/22

+ sign 0.017 ± 0.008 χ^2/NDF : 45.7/42

All: 0.008 ± 0.006 χ^2/NDF : 85.2/87

- sign -0.001 ± 0.008 χ^2/NDF : 37.2/44

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.762 $\pm$ 0.011 χ^2 /NDF: 2252643.7/17

Left Out: 34.623 $\pm$ 0.007 χ^2 /NDF: 11402566.2/24

Right Out: 37.605 $\pm$ 0.011 χ^2 /NDF: 3708716.7/21

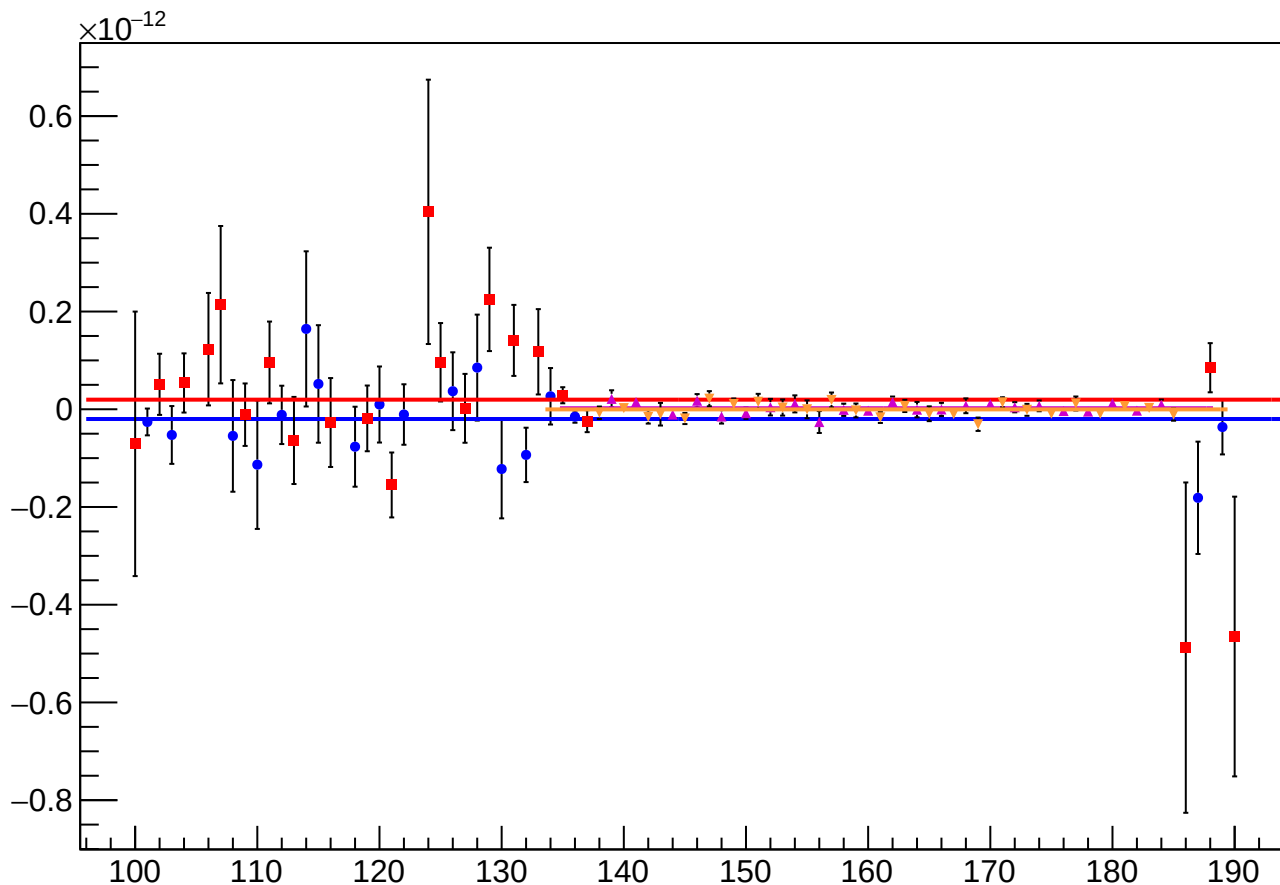
Left In: 33.595 $\pm$ 0.007 χ^2 /NDF: 10066196.6/22

+ sign 34.987 $\pm$ 0.006 χ^2 /NDF: 13663180.8/42

All: 34.891 $\pm$ 0.004 χ^2 /NDF: 27536194.6/87

- sign 34.797 $\pm$ 0.006 χ^2 /NDF: 13872497.2/44

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 10.4/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 26.0/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 34.1/21

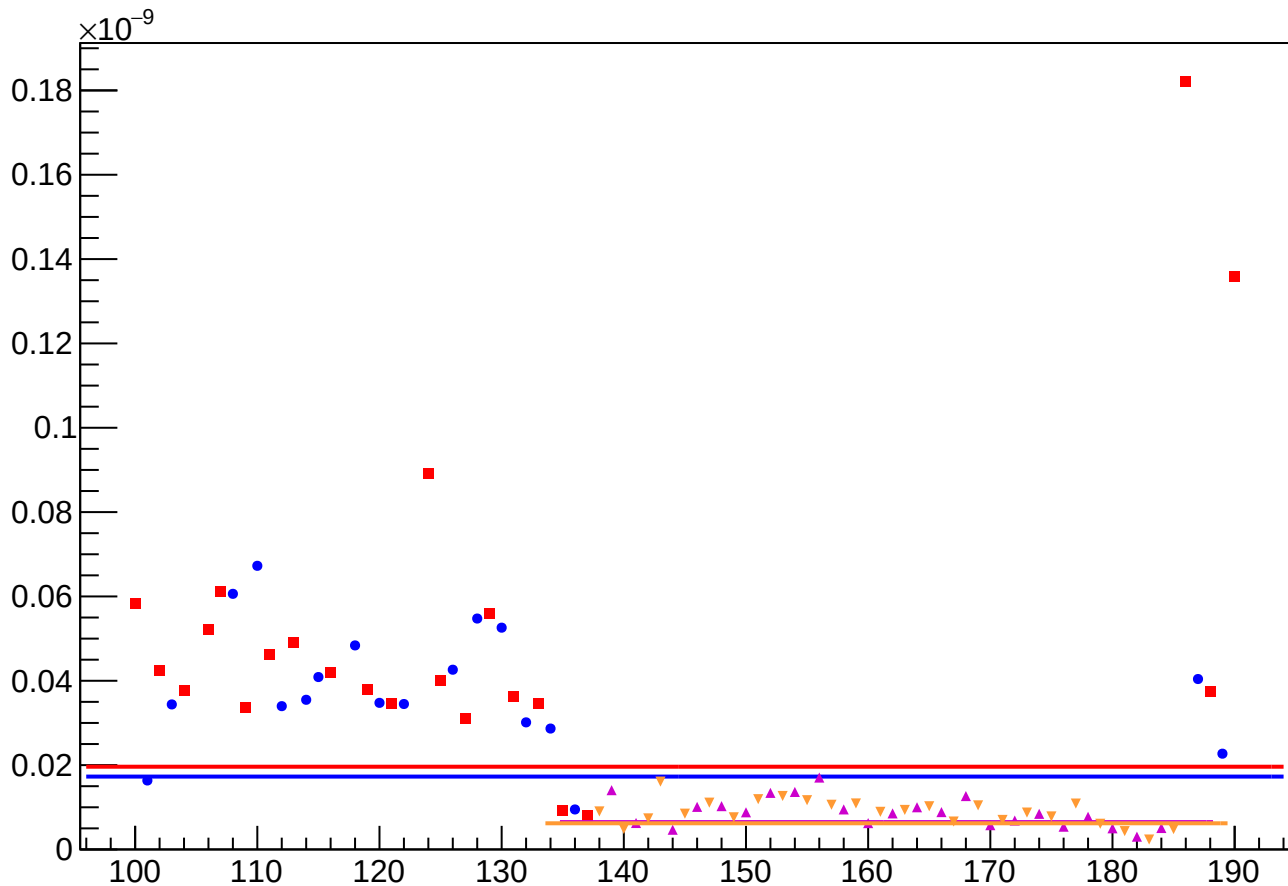
Left In: 0.000 ± 0.000 χ^2/NDF : 20.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 40.4/42

All: 0.000 ± 0.000 χ^2/NDF : 98.8/87

- sign 0.000 ± 0.000 χ^2/NDF : 56.6/44

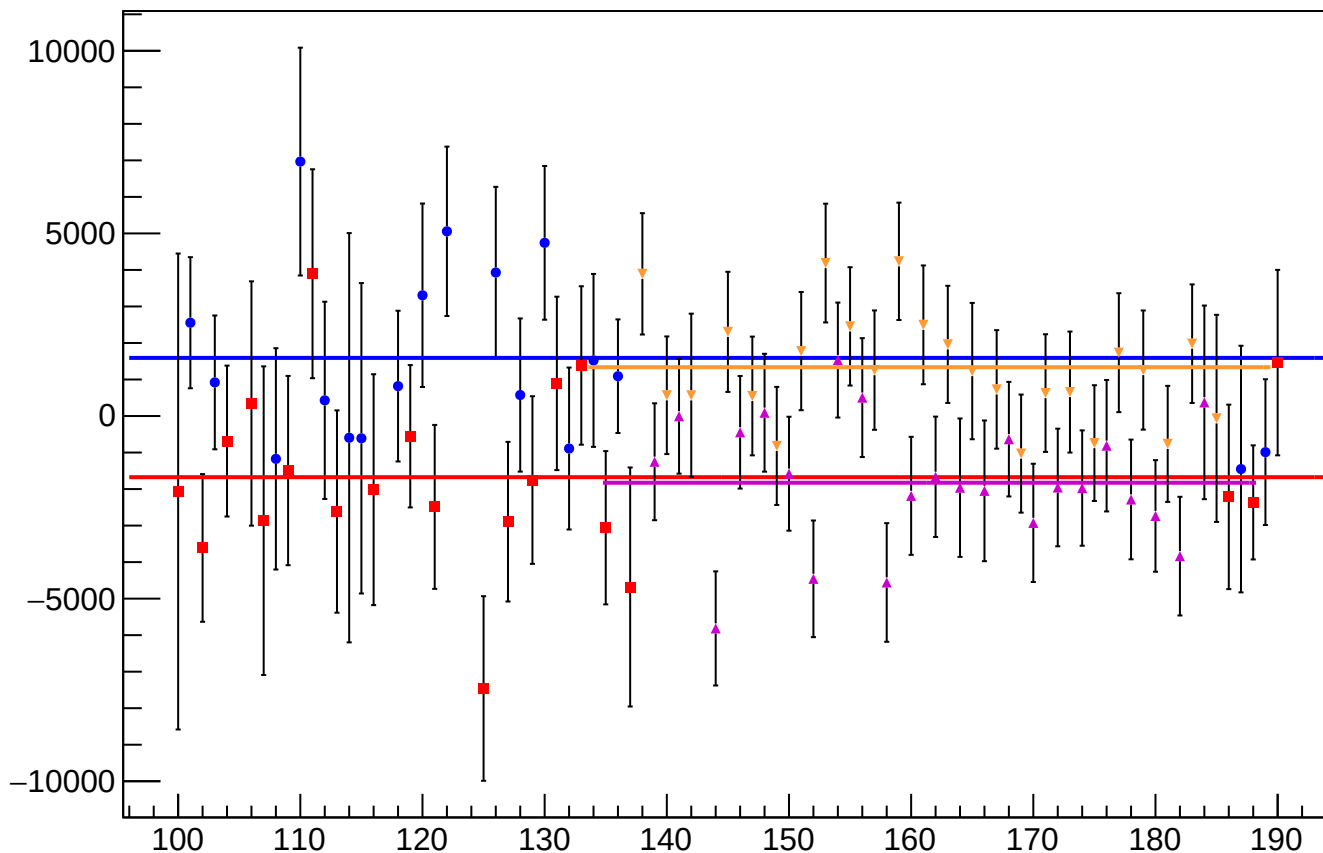
asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3310003.2/17
 Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5077918.2/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4741907.5/21
 Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3998320.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10877834.8/42
 All: 0.000 $\pm$ 0.000 χ^2 /NDF: 22502864.6/87
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11599976.8/44

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1591.880 $\pm$ 542.926 χ^2 /NDF: 15.0/17

Left Out: 1337.008 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1674.502 $\pm$ 527.110 χ^2 /NDF: 17.7/20

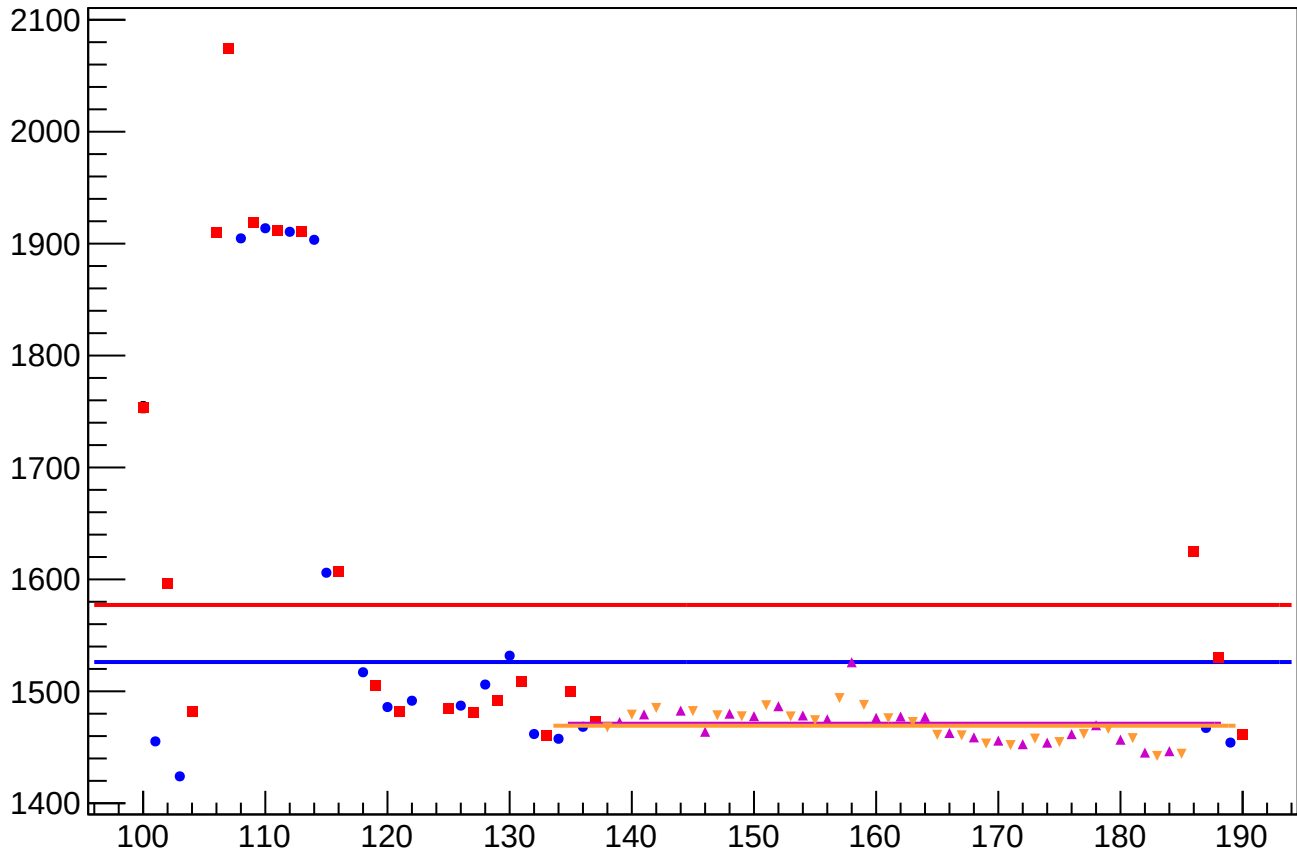
Left In: -1826.599 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1409.112 $\pm$ 288.775 χ^2 /NDF: 34.3/41

All: -191.603 $\pm$ 203.840 χ^2 /NDF: 139.8/85

- sign -1781.264 $\pm$ 287.776 χ^2 /NDF: 44.3/43

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1526.164+/-0.384 χ^2/NDF : 132833.4/17

Left Out: 1469.267+/-0.241 χ^2/NDF : 3155.3/23

Right Out: 1577.146+/-0.373 χ^2/NDF : 179257.0/20

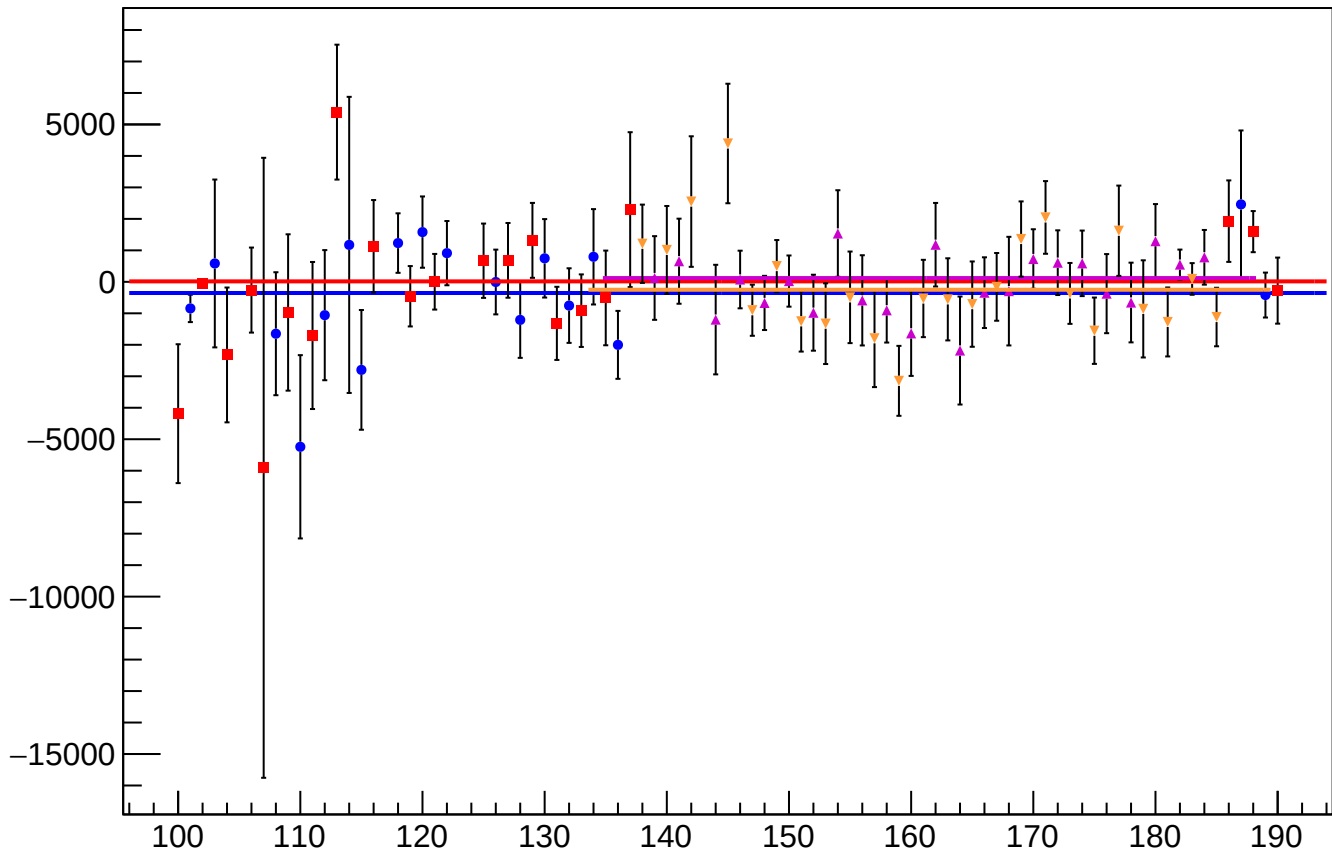
Left In: 1471.054+/-0.243 χ^2/NDF : 4642.4/22

+ sign 1485.363+/-0.204 χ^2/NDF : 151739.8/41

All: 1494.049+/-0.144 χ^2/NDF : 396116.9/85

- sign 1502.676+/-0.203 χ^2/NDF : 240770.4/43

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -354.492 ± 252.853 χ^2/NDF : 19.7/17

Left Out: -251.610 ± 218.369 χ^2/NDF : 32.7/23

Right Out: 14.712 ± 123.872 χ^2/NDF : 26.2/20

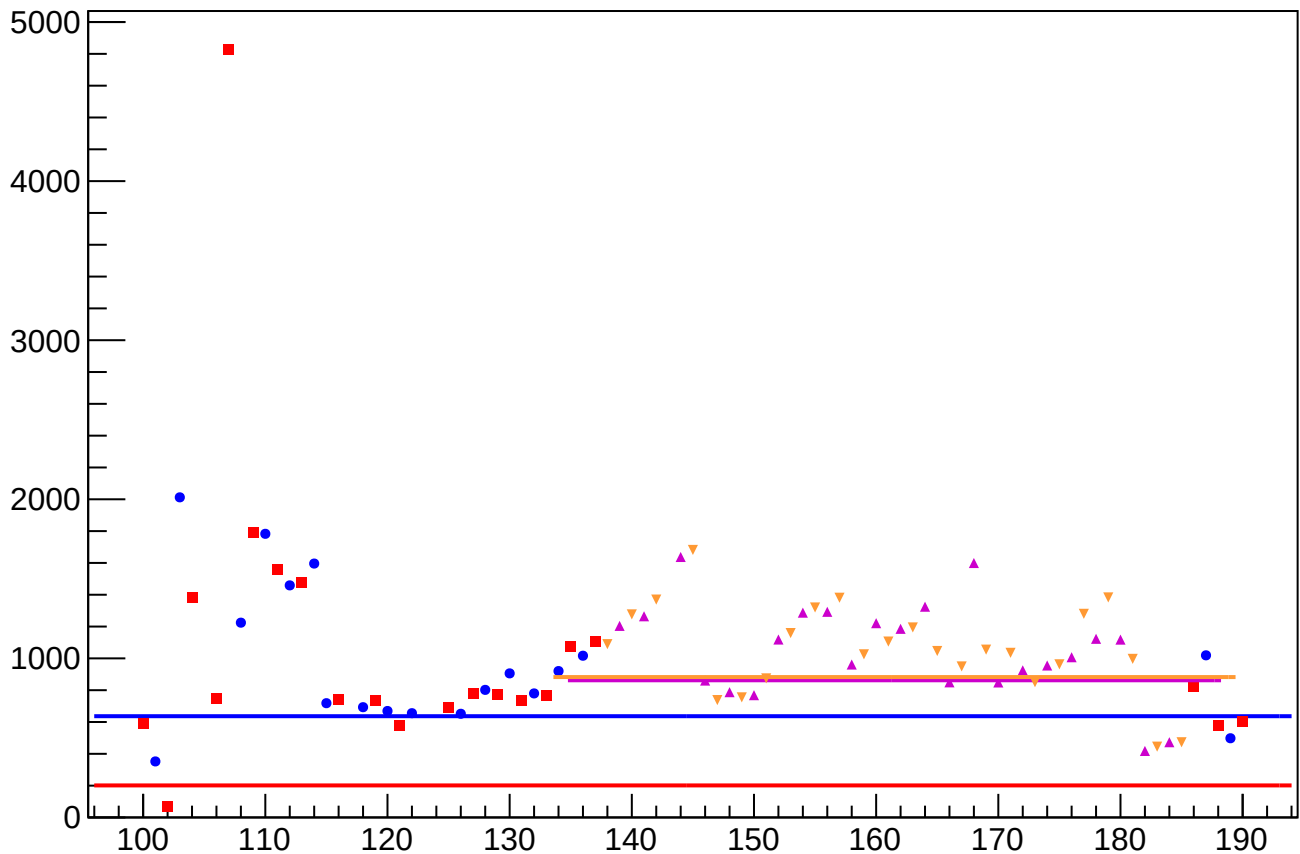
Left In: 119.802 ± 215.975 χ^2/NDF : 12.8/22

+ sign -295.562 ± 165.268 χ^2/NDF : 52.4/41

All: -59.193 ± 90.086 χ^2/NDF : 94.6/85

- sign 40.725 ± 107.453 χ^2/NDF : 39.2/43

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 636.499+/-0.179 χ^2/NDF : 2897316.3/17

Left Out: 882.430+/-0.154 χ^2/NDF : 3901279.8/23

Right Out: 201.384+/-0.088 χ^2/NDF : 11276501.6/20

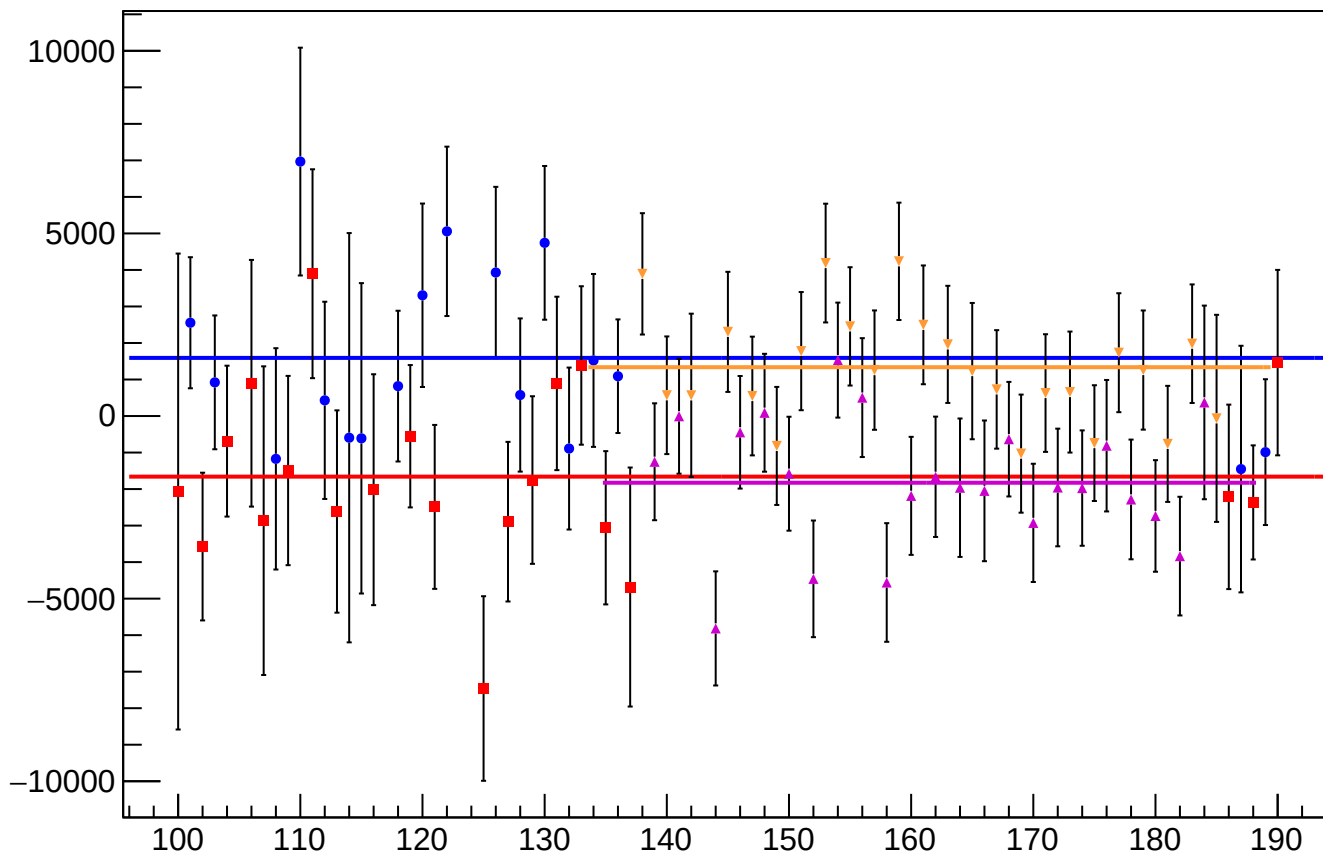
Left In: 862.298+/-0.153 χ^2/NDF : 4369416.2/22

+ sign 777.366+/-0.117 χ^2/NDF : 7882309.4/41

All: 487.509+/-0.064 χ^2/NDF : 46373838.2/85

- sign 364.980+/-0.076 χ^2/NDF : 29738873.7/43

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1591.994 $\pm$ 542.926 χ^2 /NDF: 15.0/17

Left Out: 1337.018 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1659.382 $\pm$ 527.239 χ^2 /NDF: 17.9/20

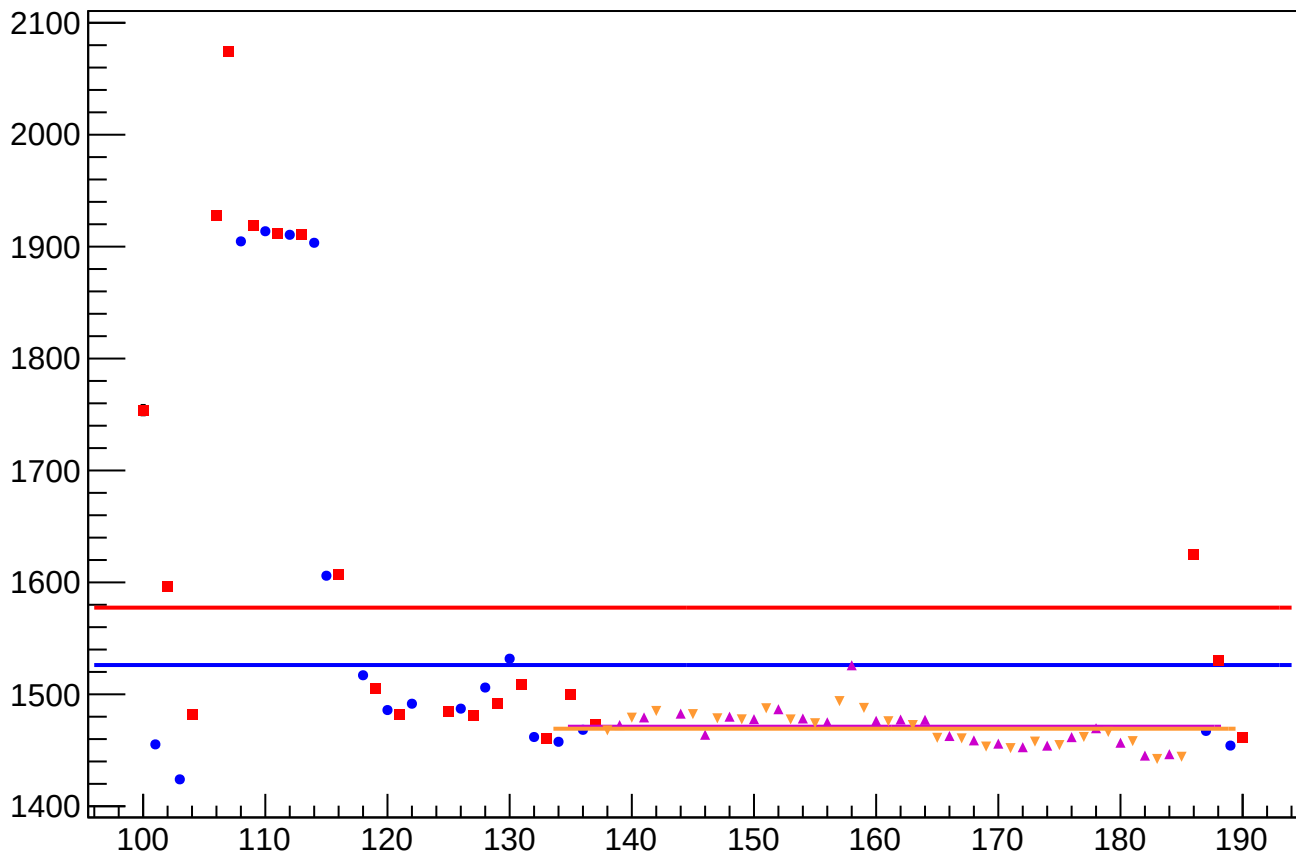
Left In: -1826.644 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1409.152 $\pm$ 288.775 χ^2 /NDF: 34.3/41

All: -189.230 $\pm$ 203.848 χ^2 /NDF: 139.9/85

- sign -1776.807 $\pm$ 287.797 χ^2 /NDF: 44.5/43

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1526.164+/-0.384 χ^2/NDF : 132833.3/17

Left Out: 1469.267+/-0.241 χ^2/NDF : 3155.3/23

+ sign 1485.363+/-0.204 χ^2/NDF : 151739.8/41

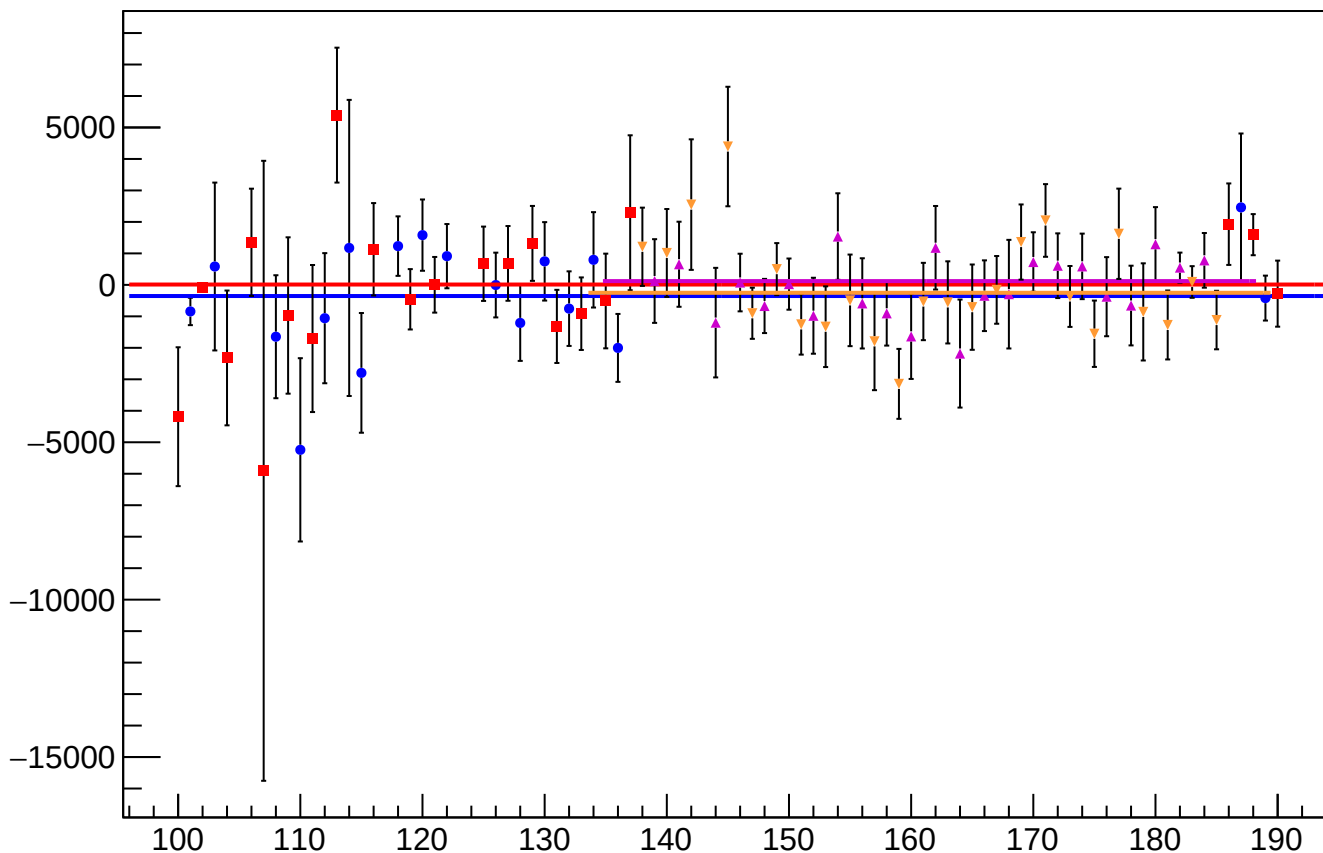
Right Out: 1577.448+/-0.373 χ^2/NDF : 181081.2/20

All: 1494.089+/-0.144 χ^2/NDF : 398279.0/85

- sign 1502.755+/-0.204 χ^2/NDF : 242899.6/43

Left In: 1471.054+/-0.243 χ^2/NDF : 4642.4/22

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -354.443 ± 252.852 χ^2/NDF : 19.7/17

Left Out: -251.589 ± 218.368 χ^2/NDF : 32.7/23

Right Out: 10.914 ± 133.327 χ^2/NDF : 27.0/20

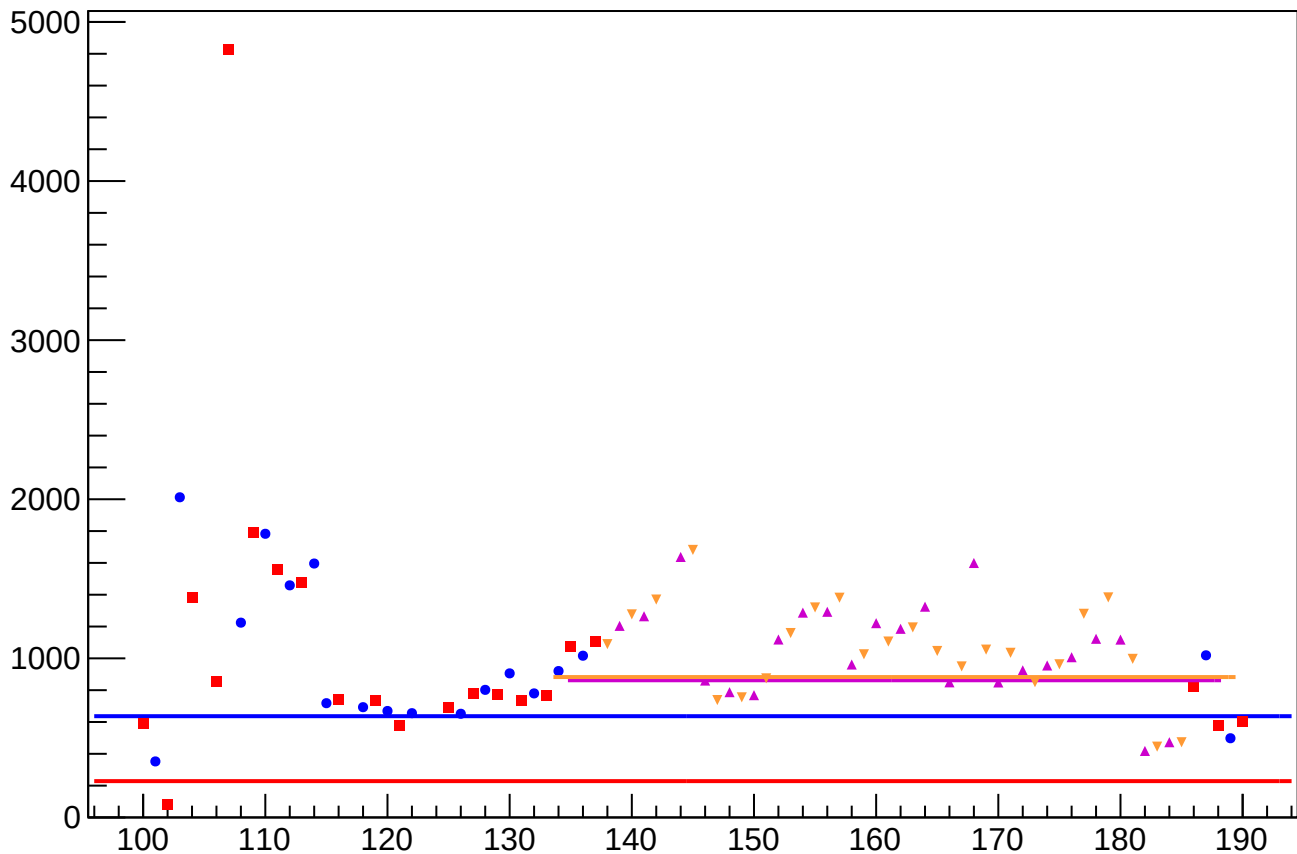
Left In: 119.845 ± 215.975 χ^2/NDF : 12.8/22

+ sign -295.529 ± 165.267 χ^2/NDF : 52.4/41

All: -66.810 ± 93.533 χ^2/NDF : 95.3/85

- sign 40.972 ± 113.451 χ^2/NDF : 40.0/43

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 636.496+/-0.179 χ^2/NDF : 2897354.2/17

Left Out: 882.419+/-0.154 χ^2/NDF : 3901620.8/23

Right Out: 228.354+/-0.094 χ^2/NDF : 10632626.6/20

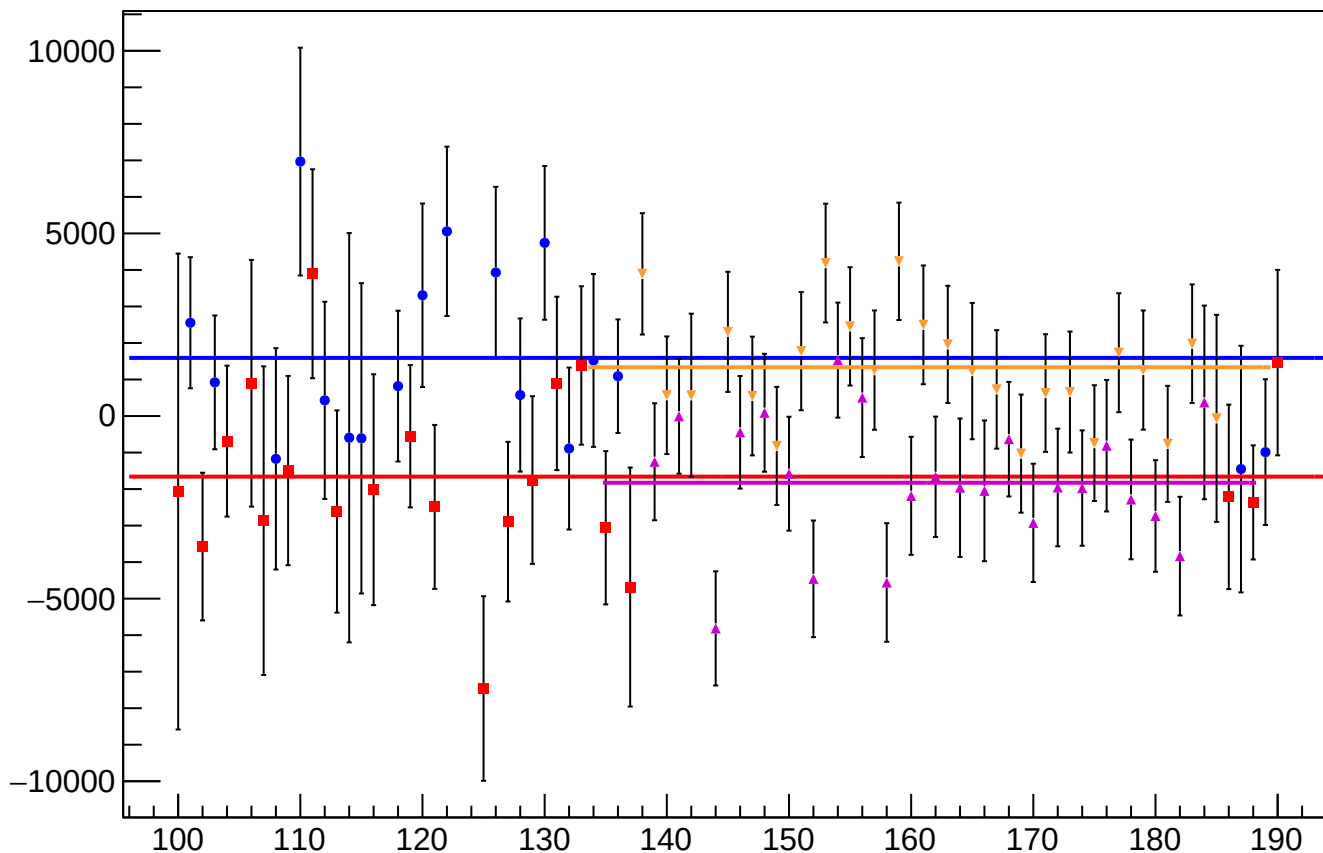
Left In: 862.300+/-0.153 χ^2/NDF : 4369426.7/22

+ sign 777.359+/-0.117 χ^2/NDF : 7882633.9/41

All: 523.099+/-0.066 χ^2/NDF : 42326040.5/85

- sign 403.282+/-0.080 χ^2/NDF : 27478839.2/43

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1591.994 $\pm$ 542.926 χ^2 /NDF: 15.0/17

Left Out: 1337.018 $\pm$ 341.012 χ^2 /NDF:19.2/23

Right Out: -1659.382 $\pm$ 527.239 χ^2 /NDF: 17.9/20

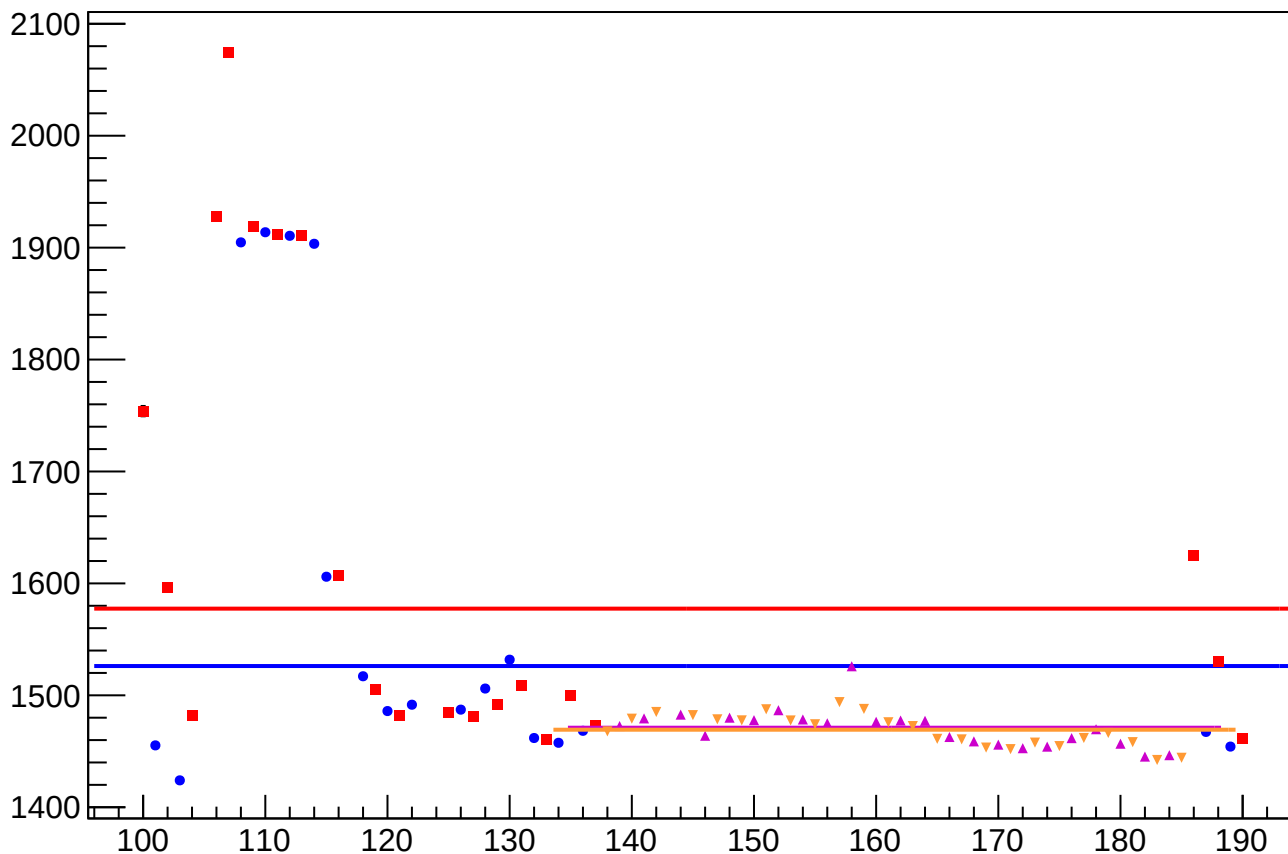
Left In: -1826.644 $\pm$ 343.483 χ^2 /NDF:26.5/22

+ sign 1409.152 $\pm$ 288.775 χ^2 /NDF: 34.3/41

All: -189.230 $\pm$ 203.848 χ^2 /NDF: 139.9/85

- sign -1776.807 $\pm$ 287.797 χ^2 /NDF: 44.5/43

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1526.164+/-0.384 χ^2/NDF : 132833.3/17

Left Out: 1469.267+/-0.241 χ^2/NDF : 3155.3/23

Right Out: 1577.448+/-0.373 χ^2/NDF : 181081.2/20

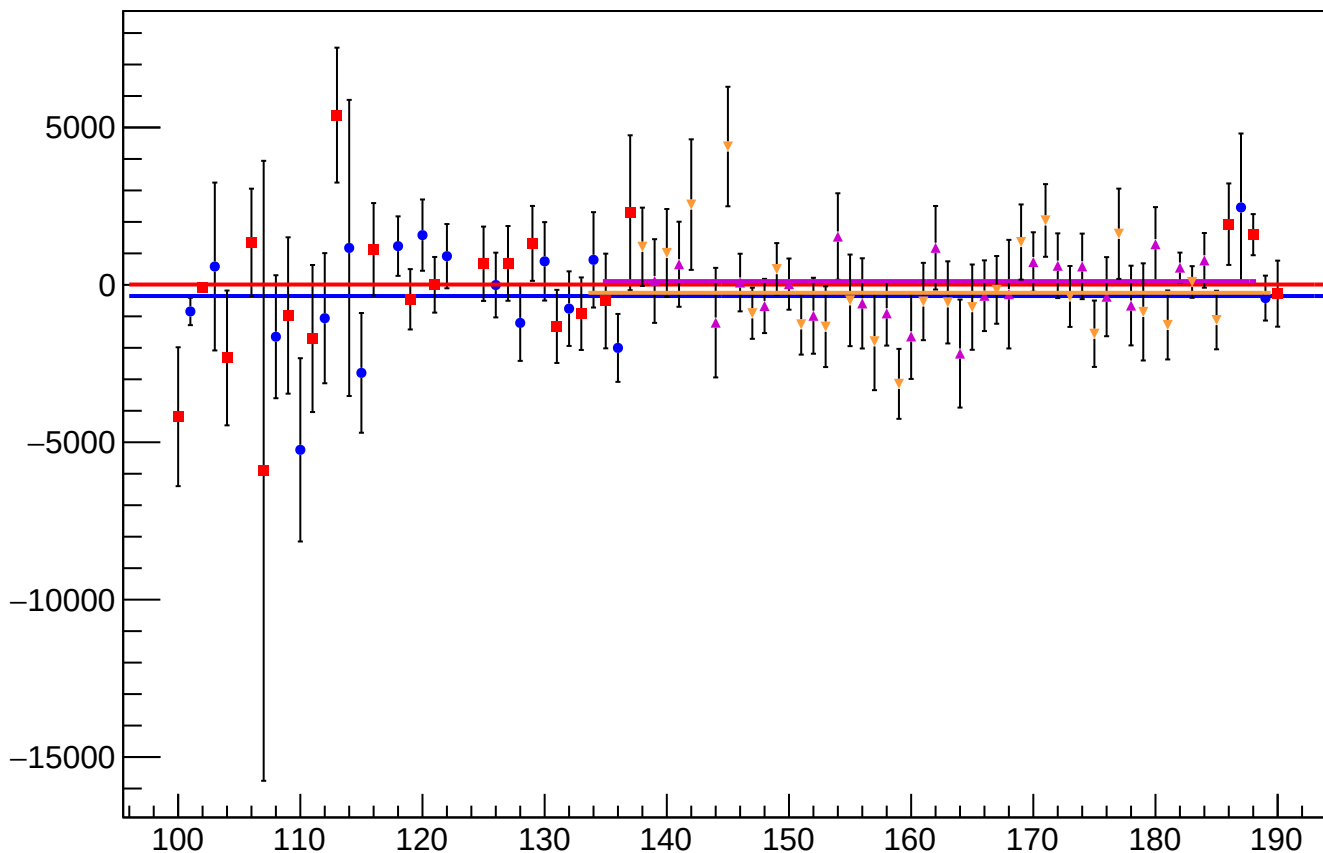
Left In: 1471.054+/-0.243 χ^2/NDF : 4642.4/22

+ sign 1485.363+/-0.204 χ^2/NDF : 151739.8/41

All: 1494.089+/-0.144 χ^2/NDF : 398279.0/85

- sign 1502.755+/-0.204 χ^2/NDF : 242899.6/43

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -354.443 $\pm$ 252.852 χ^2 /NDF: 19.7/17

Left Out: -251.589 $\pm$ 218.368 χ^2 /NDF: 32.7/23

Right Out: 10.914 $\pm$ 133.327 χ^2 /NDF: 27.0/20

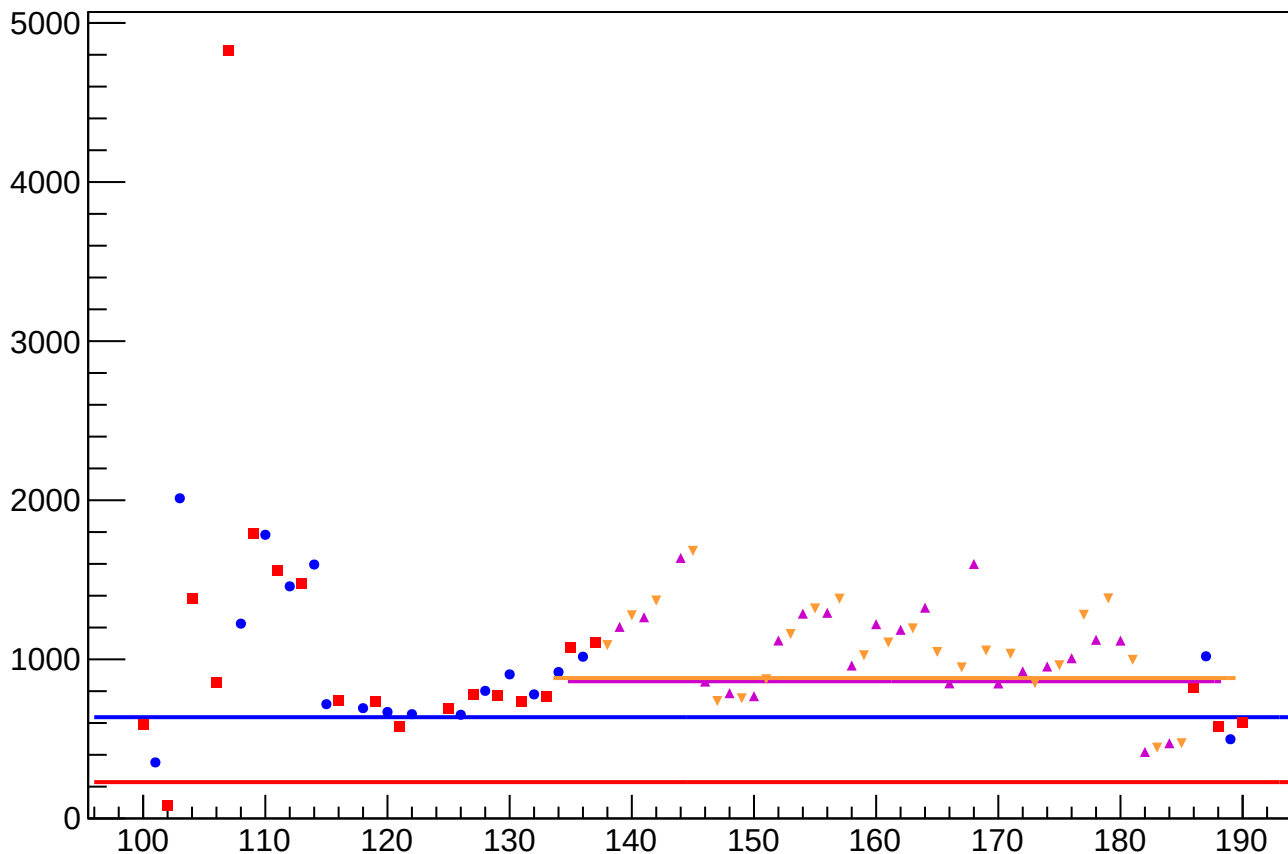
Left In: 119.845 $\pm$ 215.975 χ^2 /NDF: 12.8/22

+ sign -295.529 $\pm$ 165.267 χ^2 /NDF: 52.4/41

All: -66.810 $\pm$ 93.533 χ^2 /NDF: 95.3/85

- sign 40.972 $\pm$ 113.451 χ^2 /NDF: 40.0/43

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 636.496 $\pm$ 0.179 χ^2/NDF : 2897354.2/17

Left Out: 882.419 $\pm$ 0.154 χ^2/NDF : 3901620.8/23

Right Out: 228.354 $\pm$ 0.094 χ^2/NDF : 10632626.6/20

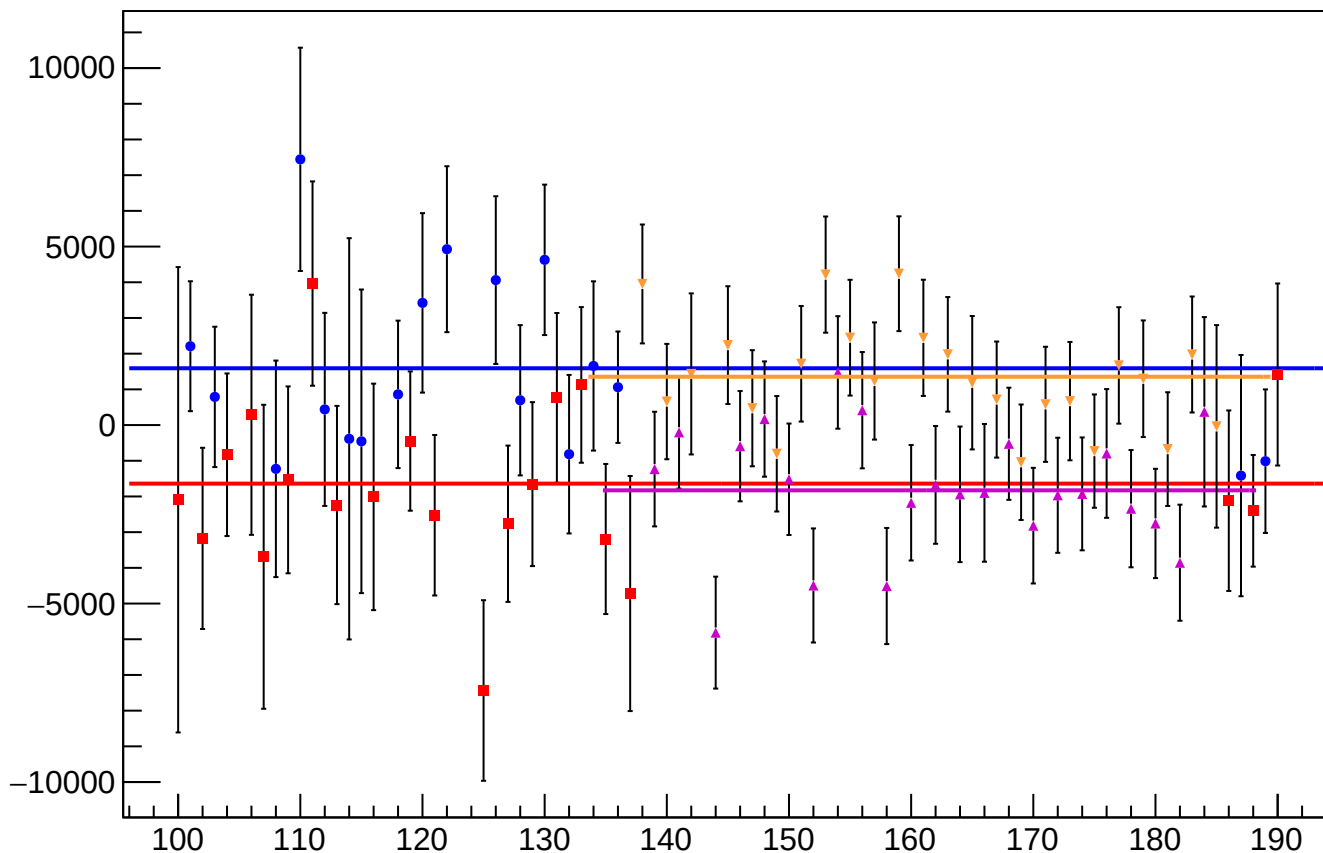
Left In: 862.300 $\pm$ 0.153 χ^2/NDF : 4369426.7/22

+ sign 777.359 $\pm$ 0.117 χ^2/NDF : 7882633.9/41

All: 523.099 $\pm$ 0.066 χ^2/NDF : 42326040.5/83

- sign 403.282 $\pm$ 0.080 χ^2/NDF : 27478839.2/43

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1591.400+/-547.824 χ^2/NDF : 15.0/17

Left Out: 1353.686+/-341.570 χ^2/NDF : 18.9/23

Right Out: -1640.407+/-538.156 χ^2/NDF : 16.8/20

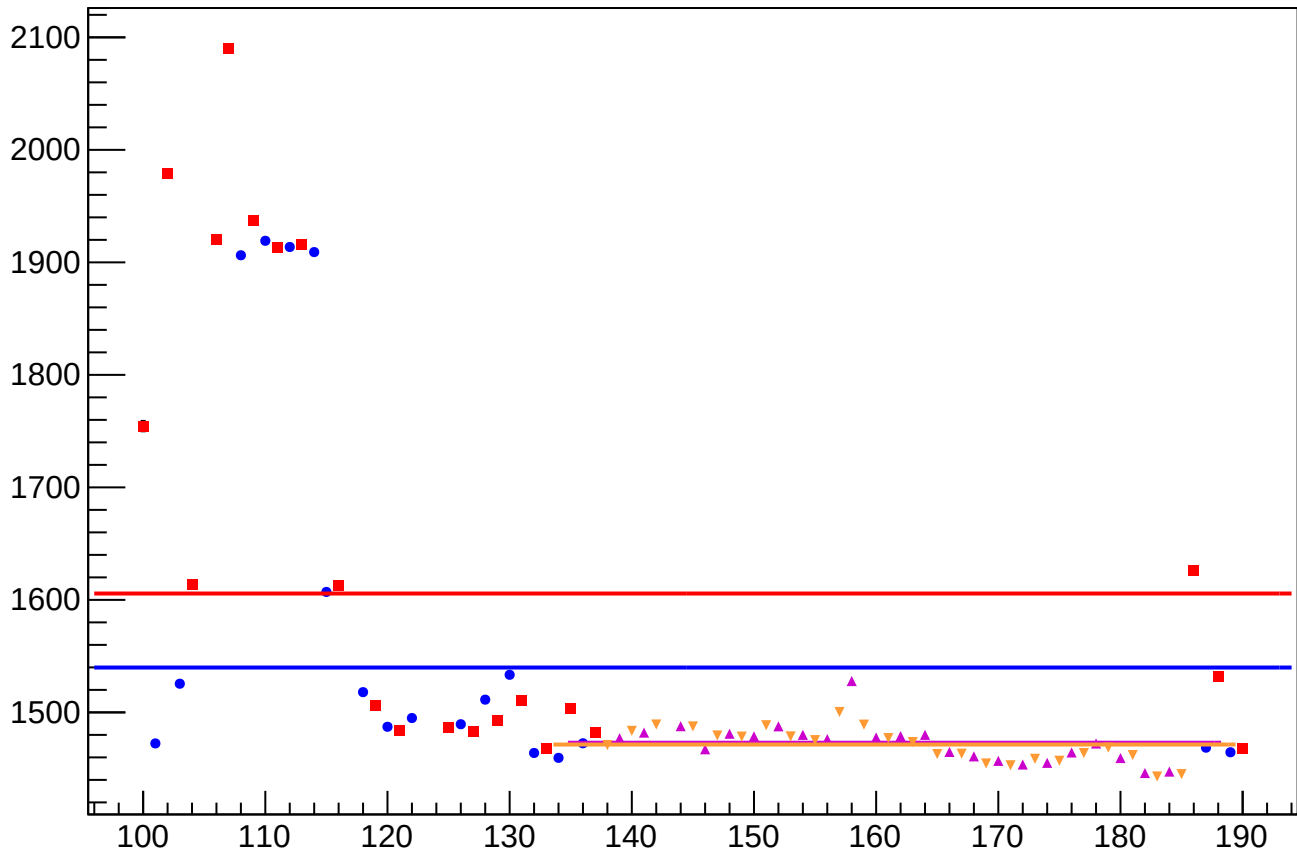
Left In: -1828.250+/-343.952 χ^2/NDF : 25.8/22

+ sign 1420.229+/-289.845 χ^2/NDF : 34.1/41

All: -176.936+/-204.941 χ^2/NDF : 137.5/85

- sign -1773.772+/-289.816 χ^2/NDF : 42.7/43

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1539.875 $\pm$ 0.387 χ^2 /NDF: 124014.1/17

Left Out: 1471.437 $\pm$ 0.242 χ^2 /NDF: 3436.8/23

Right Out: 1605.664 $\pm$ 0.381 χ^2 /NDF: 223721.2/20

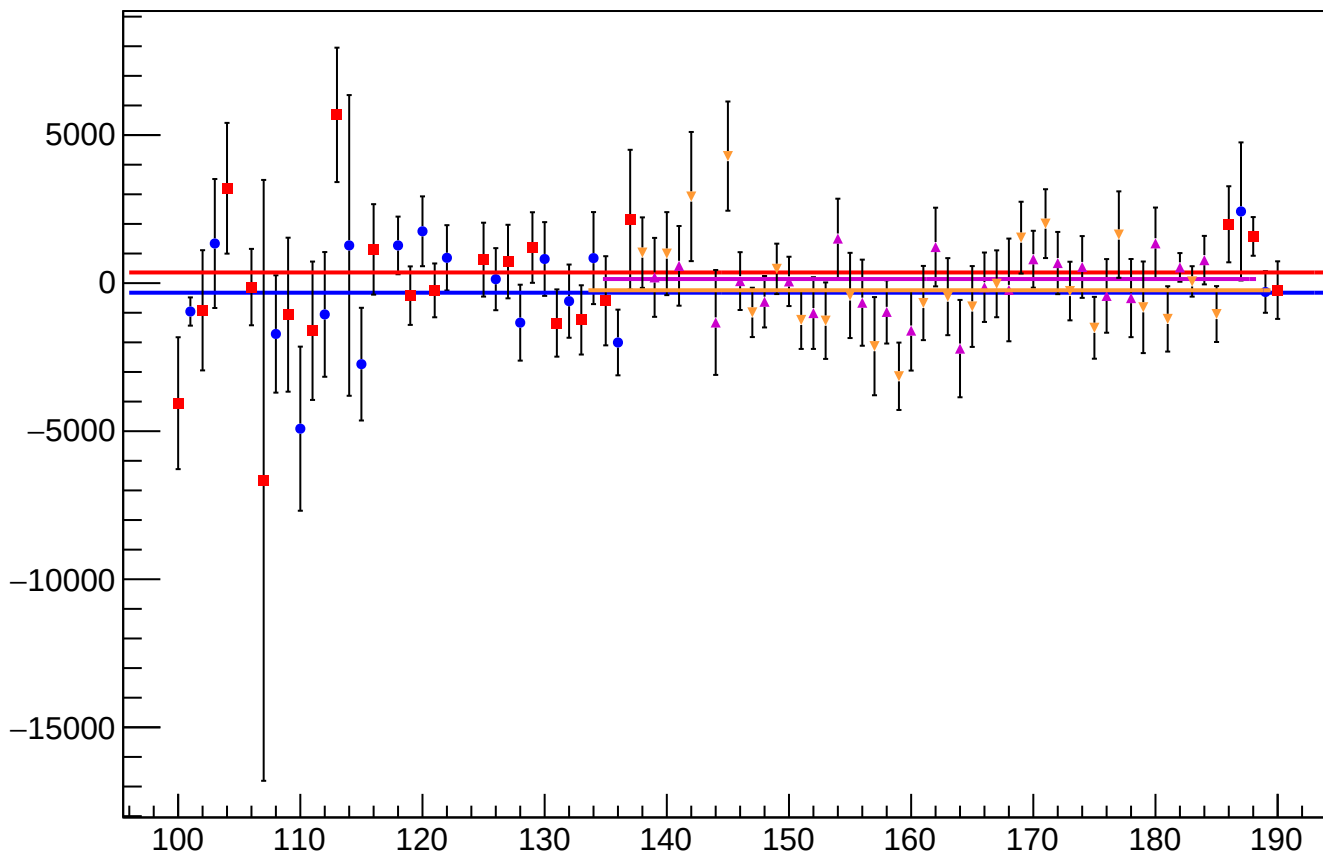
Left In: 1473.049 $\pm$ 0.243 χ^2 /NDF: 4751.3/22

+ sign 1490.595 $\pm$ 0.205 χ^2 /NDF: 149926.6/41

All: 1501.053 $\pm$ 0.145 χ^2 /NDF: 469834.0/85

- sign 1511.510 $\pm$ 0.205 χ^2 /NDF: 314699.9/43

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -323.224 $\pm$ 263.620 χ^2 /NDF: 20.3/17

Left Out: -240.267 $\pm$ 221.787 χ^2 /NDF:32.4/23

Right Out: 360.585 $\pm$ 281.973 χ^2 /NDF: 25.7/20

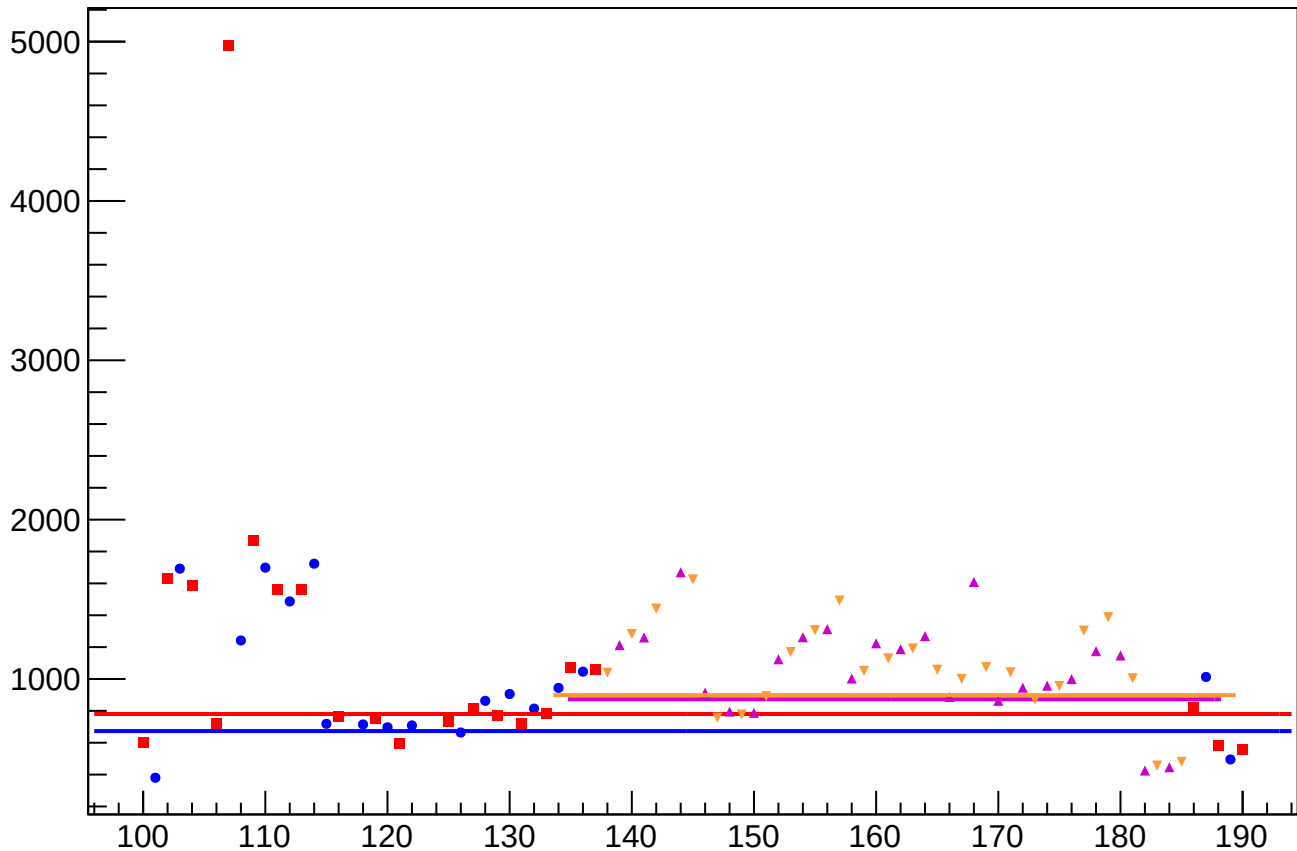
Left In: 138.421 $\pm$ 218.478 χ^2 /NDF:13.0/22

+ sign -274.649 $\pm$ 169.714 χ^2 /NDF: 52.8/41

All: -30.777 $\pm$ 121.049 χ^2 /NDF: 96.1/85

- sign 221.762 $\pm$ 172.703 χ^2 /NDF: 39.1/43

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 672.973+/-0.186 χ^2/NDF : 2621501.1/17

Left Out: 898.849+/-0.157 χ^2/NDF : 3791528.8/23

Right Out: 780.246+/-0.199 χ^2/NDF : 2270603.9/20

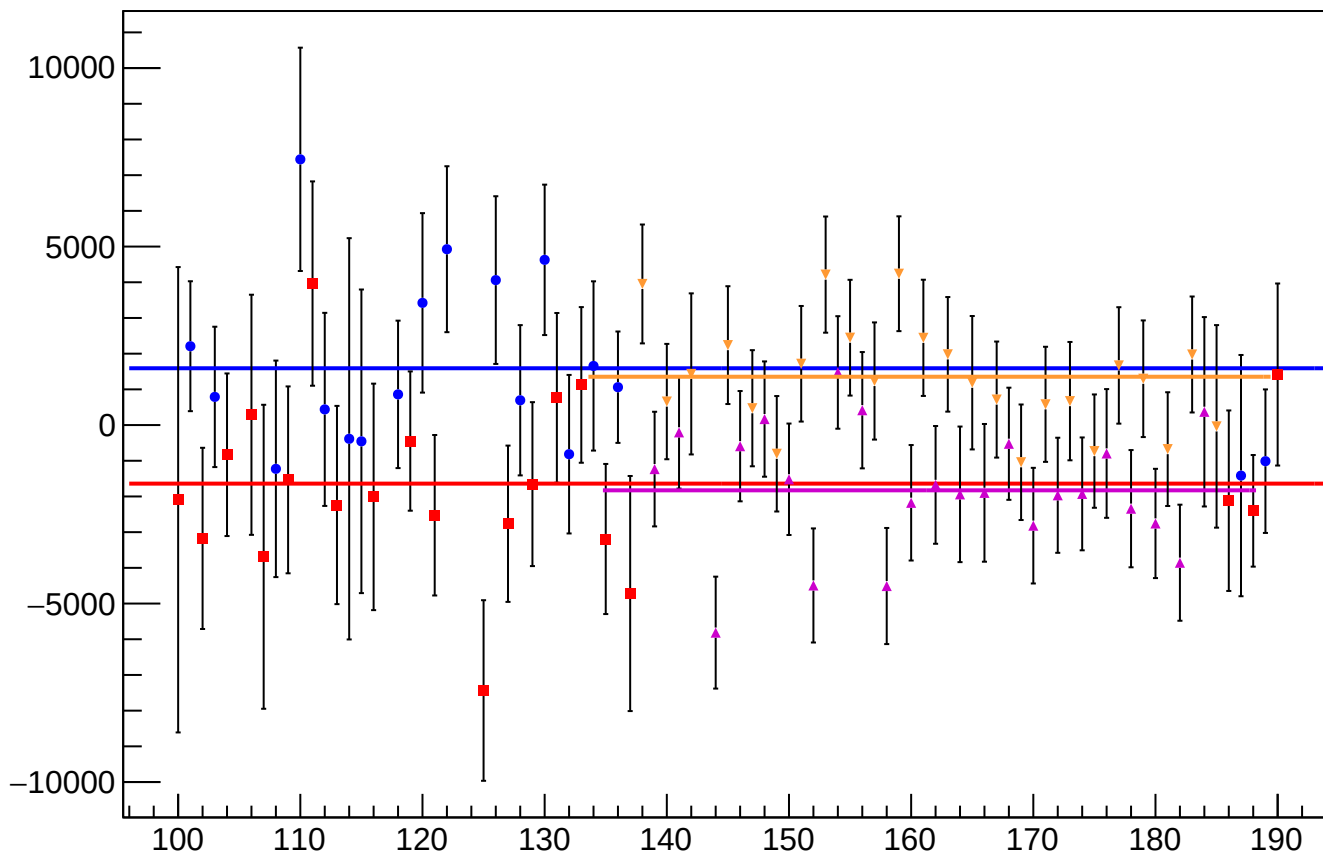
Left In: 872.472+/-0.154 χ^2/NDF : 4435516.3/22

+ sign 805.234+/-0.120 χ^2/NDF : 7272780.4/41

All: 821.269+/-0.086 χ^2/NDF : 14148939.6/85

- sign 837.875+/-0.122 χ^2/NDF : 6839813.6/43

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1591.398 $\pm$ 547.824 χ^2 /NDF: 15.0/17

Left Out: 1353.684 $\pm$ 341.570 χ^2 /NDF: 18.9/23

Right Out: -1640.404 $\pm$ 538.156 χ^2 /NDF: 16.8/20

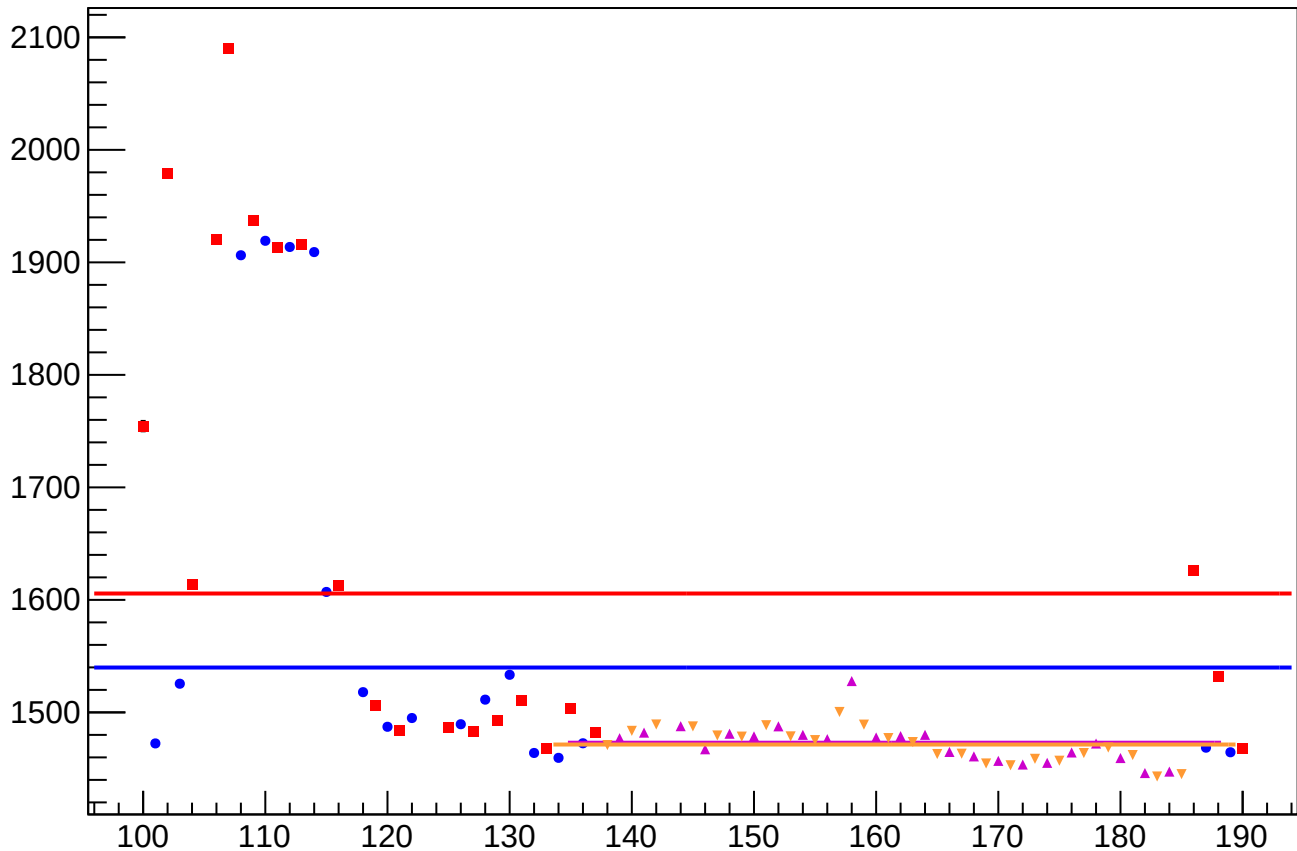
Left In: -1828.250 $\pm$ 343.952 χ^2 /NDF: 25.8/22

+ sign 1420.228 $\pm$ 289.845 χ^2 /NDF: 34.1/41

All: -176.936 $\pm$ 204.941 χ^2 /NDF: 137.5/85

- sign -1773.771 $\pm$ 289.816 χ^2 /NDF: 42.7/43

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1539.874 $\pm$ 0.387 χ^2 /NDF: 124014.1/17

Left Out: 1471.437 $\pm$ 0.242 χ^2 /NDF: 3436.8/23

Right Out: 1605.663 $\pm$ 0.381 χ^2 /NDF: 223721.0/20

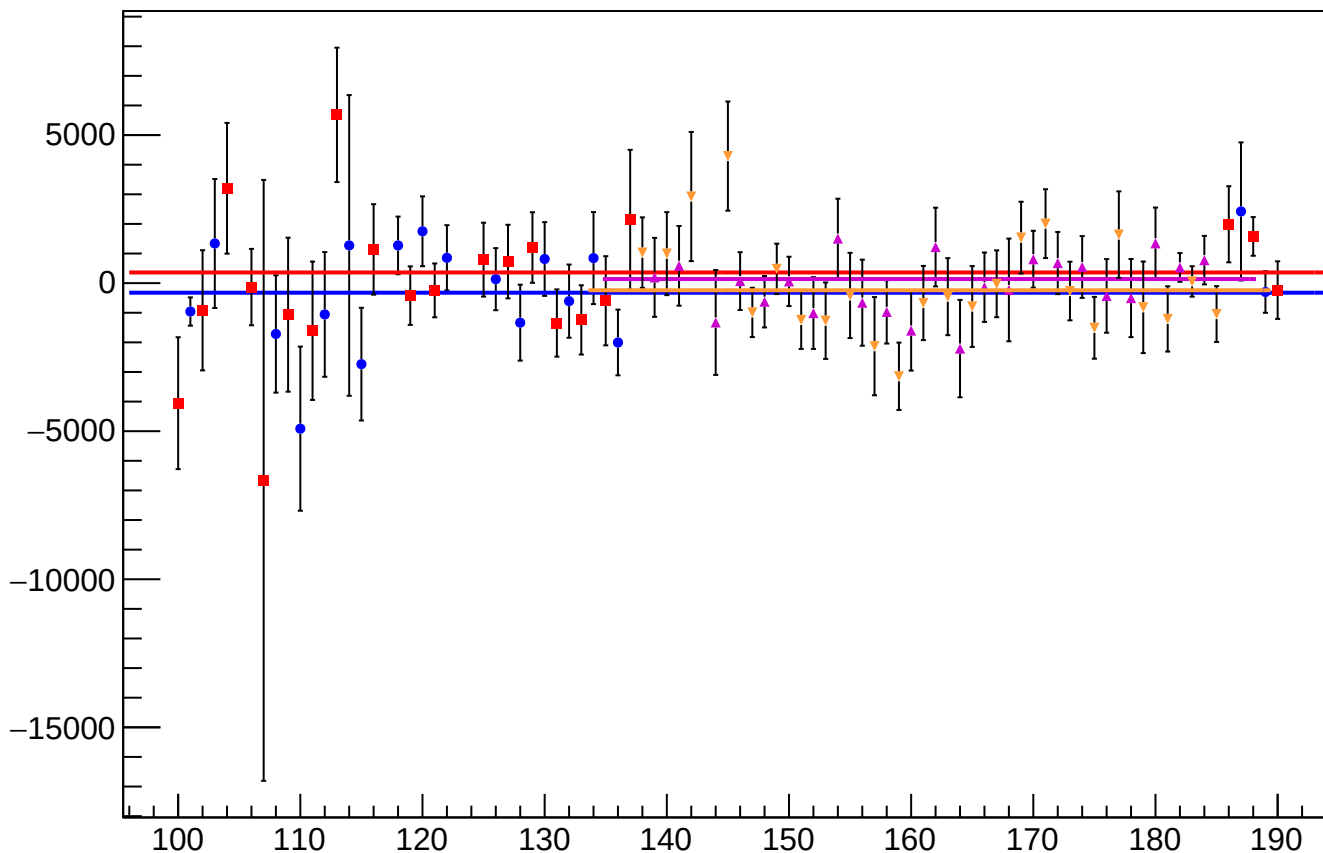
Left In: 1473.049 $\pm$ 0.243 χ^2 /NDF: 4751.3/22

+ sign 1490.595 $\pm$ 0.205 χ^2 /NDF: 149926.5/41

All: 1501.053 $\pm$ 0.145 χ^2 /NDF: 469833.4/85

- sign 1511.510 $\pm$ 0.205 χ^2 /NDF: 314699.4/43

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -323.223+/-263.620 χ^2/NDF : 20.3/17

Left Out: -240.269+/-221.788 χ^2/NDF : 32.4/23

Right Out: 360.584+/-281.973 χ^2/NDF : 25.7/20

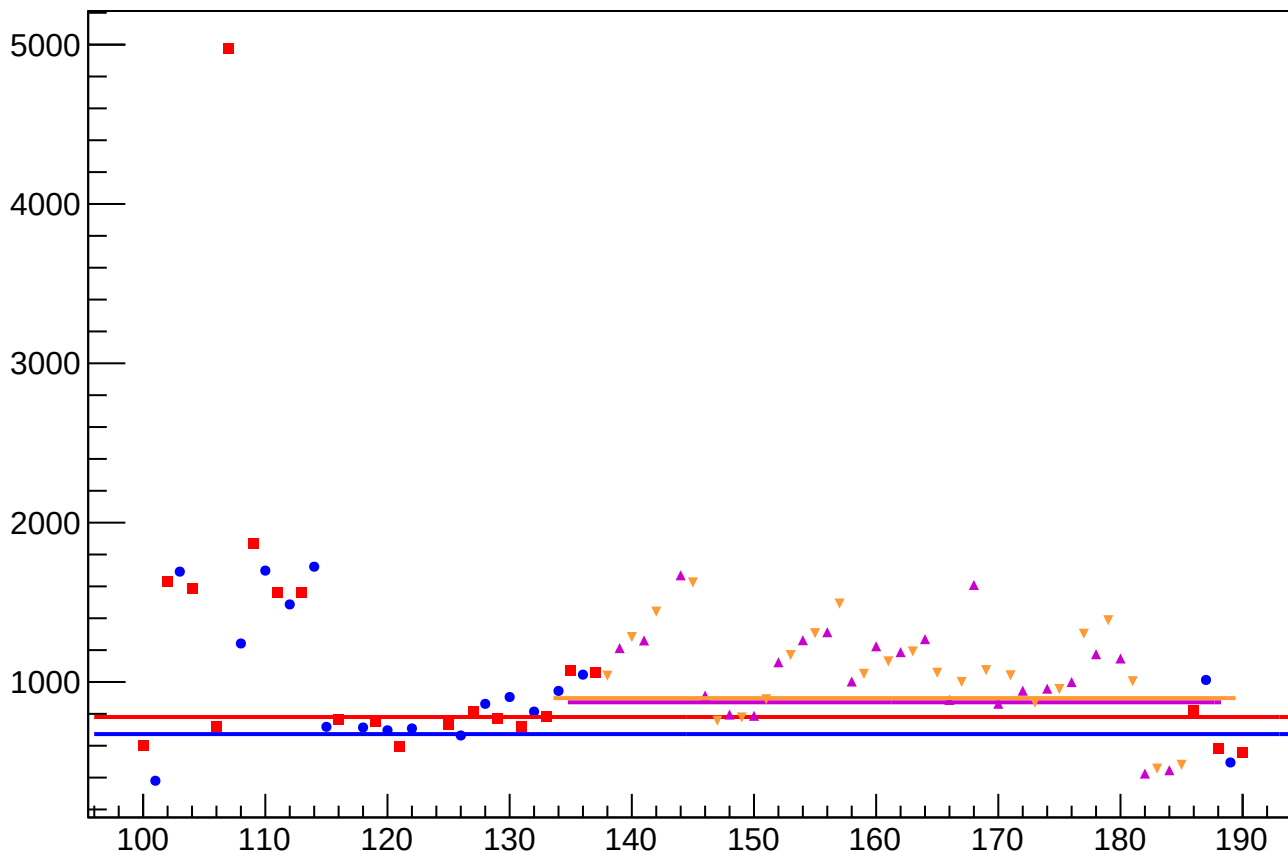
Left In: 138.421+/-218.478 χ^2/NDF : 13.0/22

+ sign -274.650+/-169.714 χ^2/NDF : 52.8/41

All: -30.777+/-121.049 χ^2/NDF : 96.1/85

- sign 221.762+/-172.704 χ^2/NDF : 39.1/43

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 672.973 $\pm$ 0.186 χ^2/NDF : 2621494.3/17

Left Out: 898.850 $\pm$ 0.157 χ^2/NDF : 3791537.4/23

Right Out: 780.245 $\pm$ 0.199 χ^2/NDF : 2270609.9/20

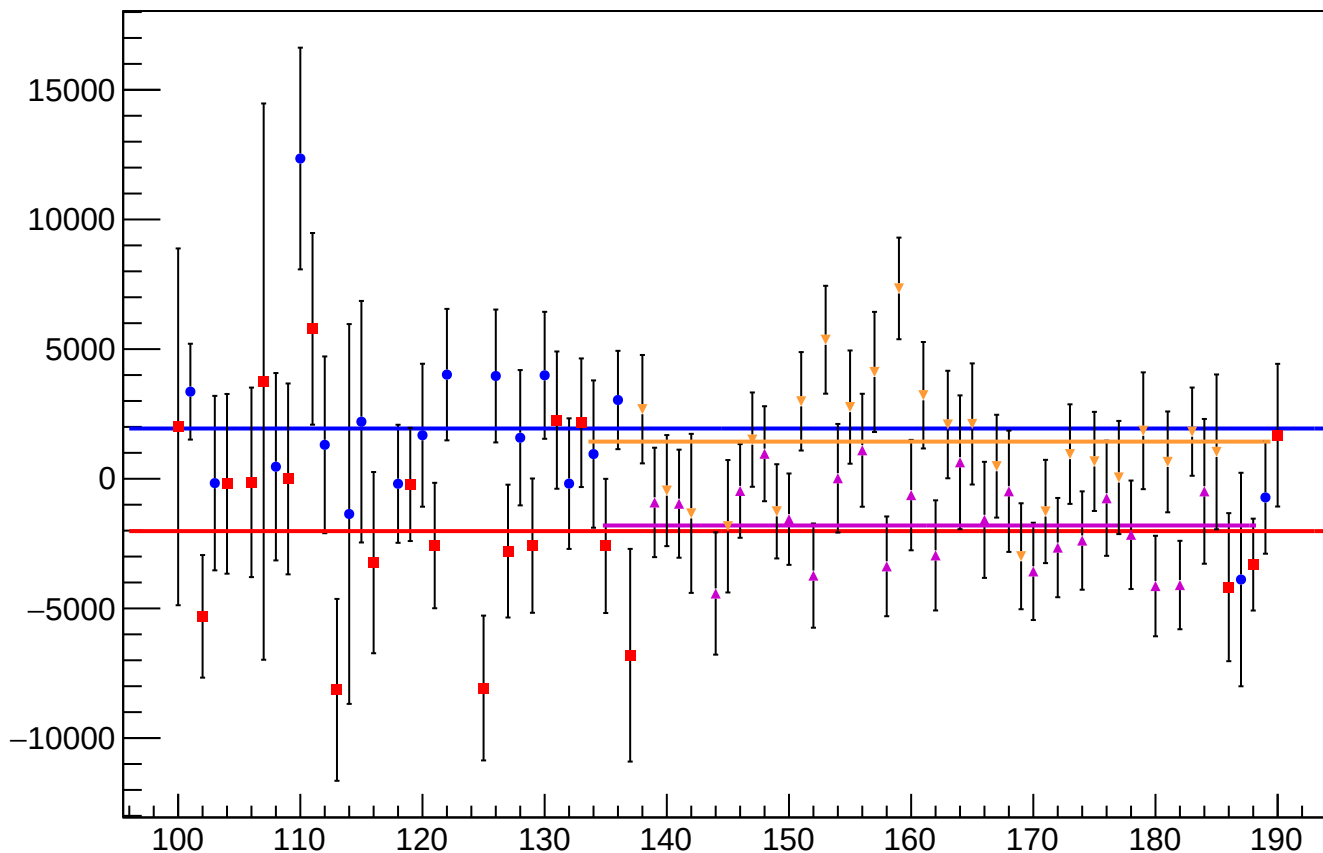
Left In: 872.473 $\pm$ 0.154 χ^2/NDF : 4435524.1/22

+ sign 805.234 $\pm$ 0.120 χ^2/NDF : 7272788.2/41

All: 821.270 $\pm$ 0.086 χ^2/NDF : 14148965.9/83

- sign 837.875 $\pm$ 0.122 χ^2/NDF : 6839832.8/43

asym_usl_atl1_avg_mean vs Slug



Right In: 1938.487 $\pm$ 640.097 χ^2 /NDF: 14.9/17

Left Out: 1433.314 $\pm$ 424.465 χ^2 /NDF: 29.4/23

Right Out: -2018.724 $\pm$ 623.171 χ^2 /NDF: 26.4/20

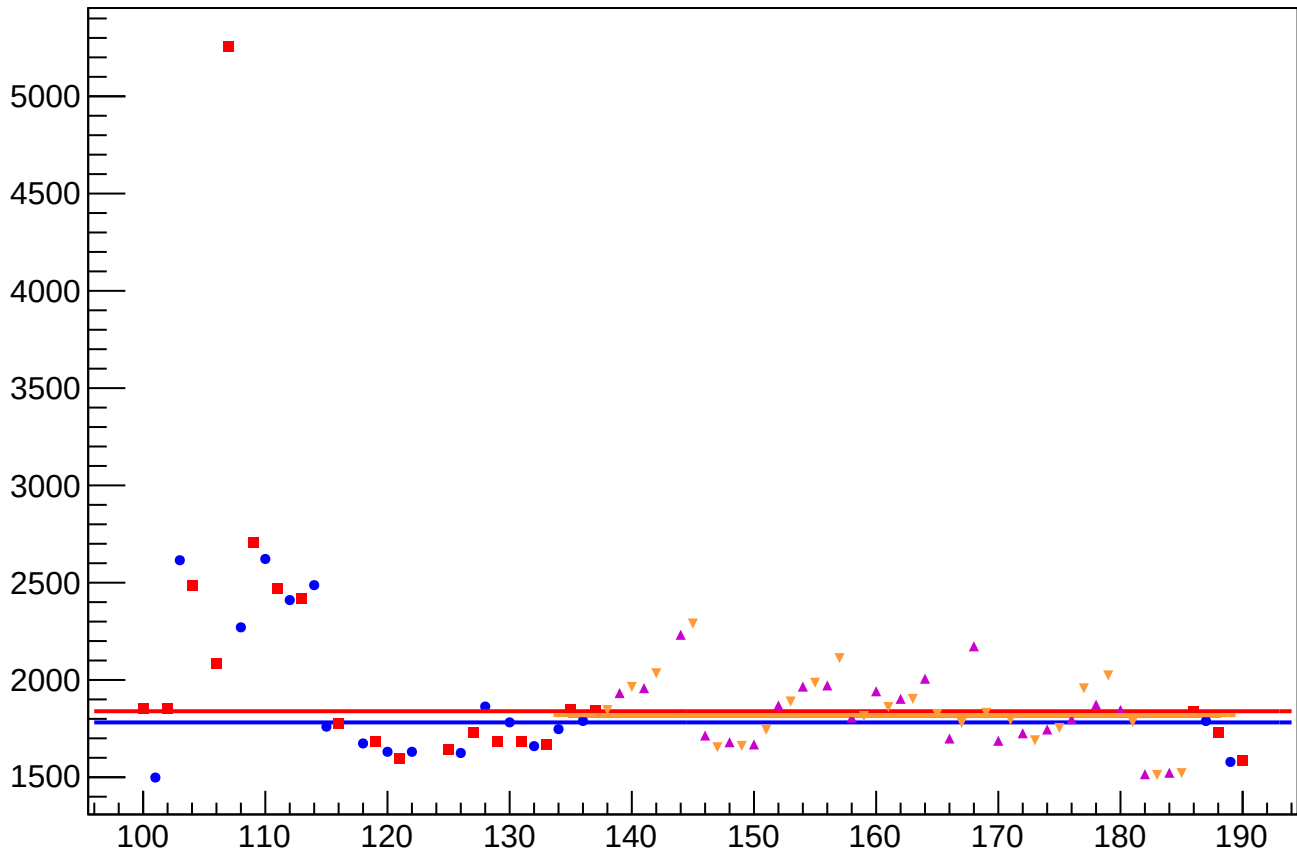
Left In: -1801.543 $\pm$ 426.483 χ^2 /NDF: 15.3/22

+ sign 1587.608 $\pm$ 353.753 χ^2 /NDF: 44.7/41

All: -150.431 $\pm$ 249.502 χ^2 /NDF: 134.5/85

- sign -1870.818 $\pm$ 351.952 χ^2 /NDF: 41.7/43

asym_usl_atl1_avg_rms vs Slug



Right In: 1781.849+/-0.453 χ^2/NDF : 419900.6/17

Left Out: 1819.417+/-0.300 χ^2/NDF : 295015.0/23

Right Out: 1839.258+/-0.441 χ^2/NDF : 599807.0/20

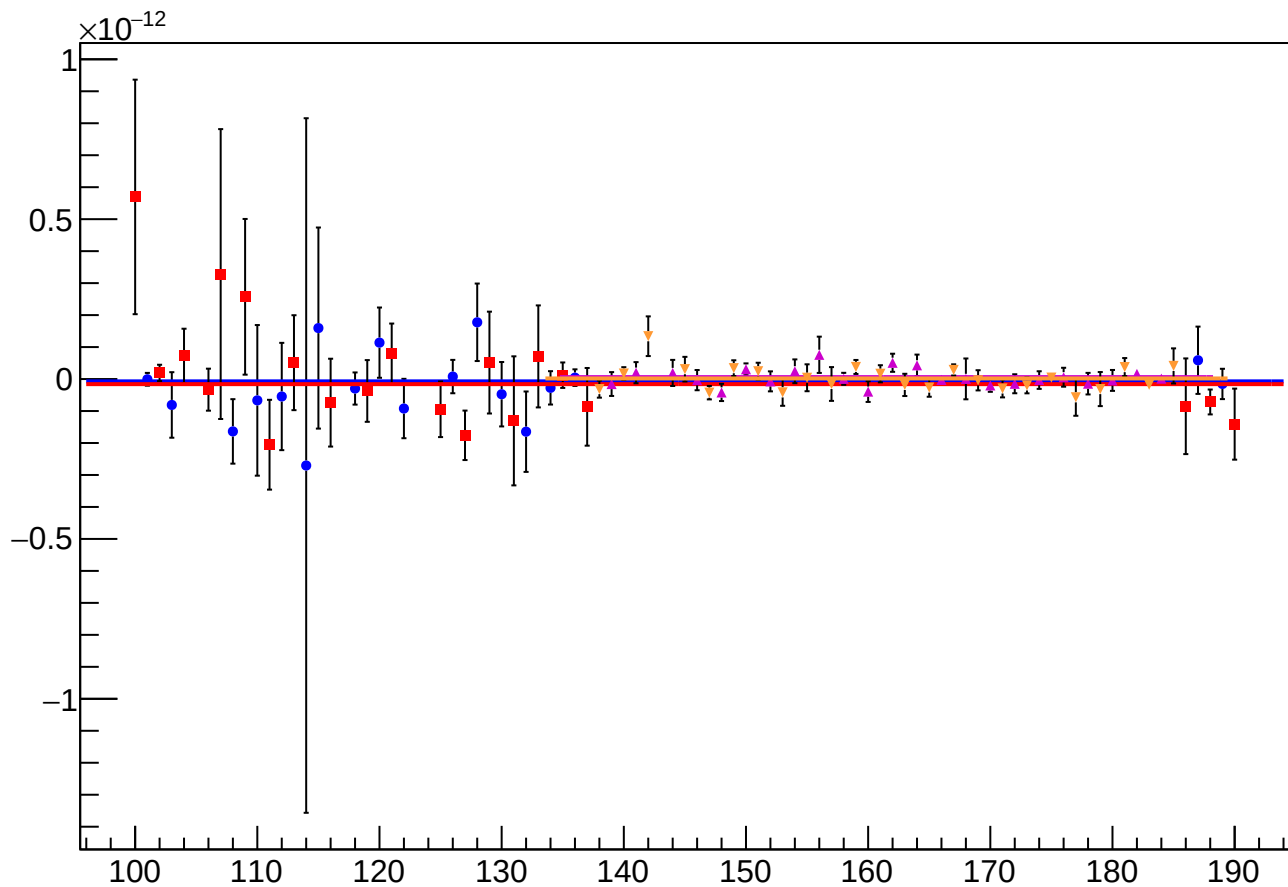
Left In: 1817.142+/-0.302 χ^2/NDF : 307103.2/22

+ sign 1807.943+/-0.250 χ^2/NDF : 719700.8/41

All: 1816.111+/-0.176 χ^2/NDF : 1630448.2/85

- sign 1824.196+/-0.249 χ^2/NDF : 908625.7/43

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 10.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 29.3/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.9/20

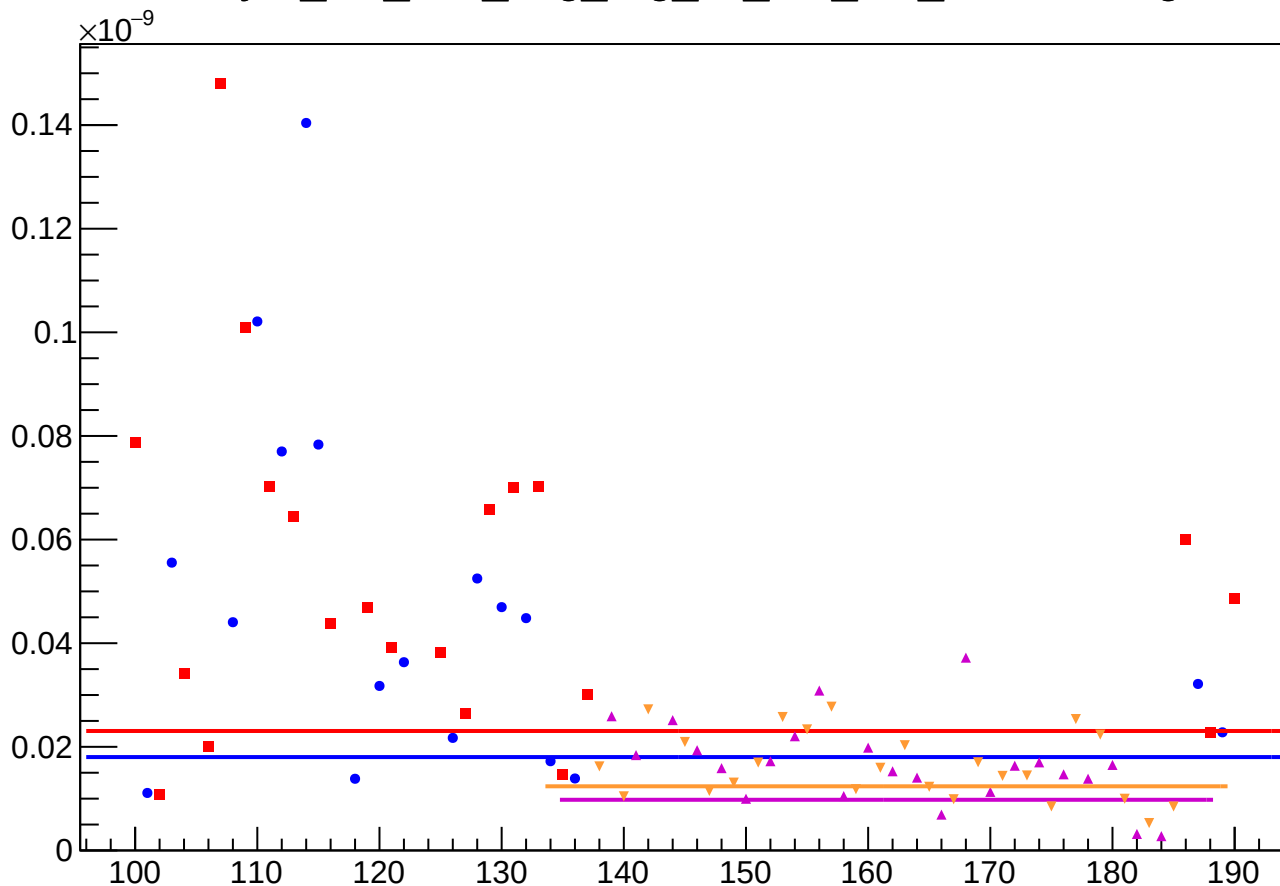
Left In: 0.000 ± 0.000 χ^2/NDF : 17.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 40.4/41

All: 0.000 ± 0.000 χ^2/NDF : 81.5/85

- sign 0.000 ± 0.000 χ^2/NDF : 40.7/43

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1900342.4/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 2334274.4/20

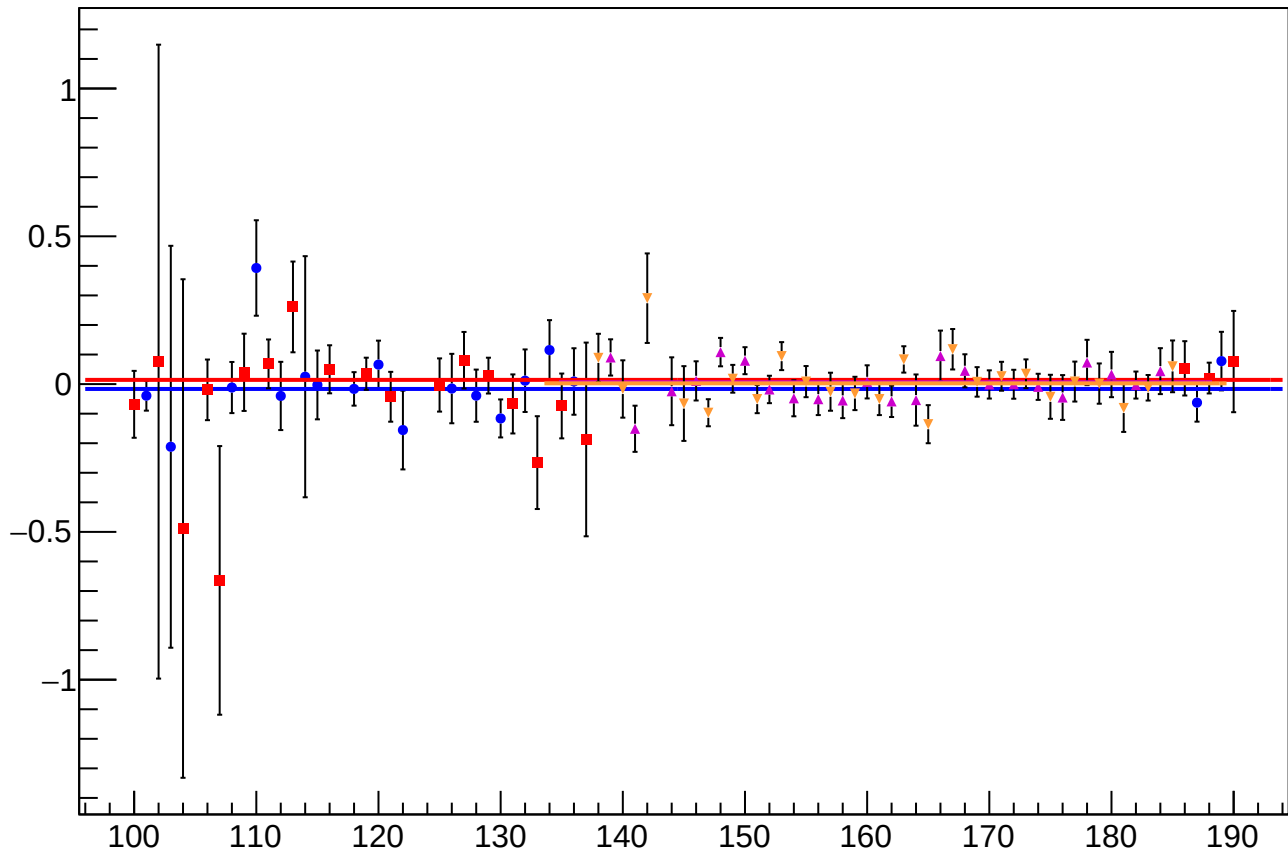
Left In: 0.000+/-0.000 χ^2/NDF : 4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 4141029.9/41

All: 0.000+/-0.000 χ^2/NDF : 12584369.4/85

- sign 0.000+/-0.000 χ^2/NDF : 8188207.2/43

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.021 χ^2/NDF : 14.6/17

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.014 ± 0.021 χ^2/NDF : 12.8/20

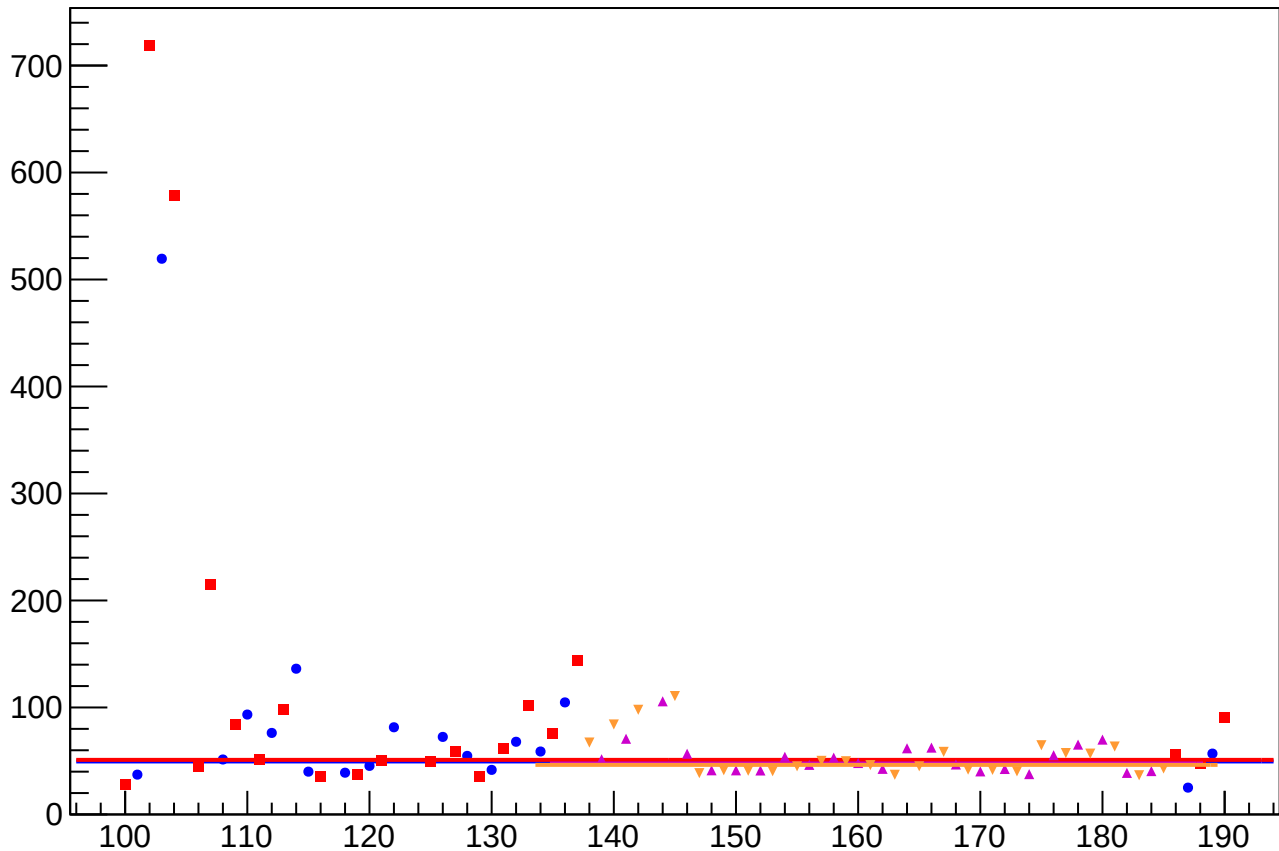
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.002 ± 0.010 χ^2/NDF : 45.1/41

All: 0.003 ± 0.007 χ^2/NDF : 80.2/85

- sign 0.008 ± 0.010 χ^2/NDF : 34.6/43

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.543+/-0.015 χ^2/NDF : 2594664.4/17

Left Out: 46.353+/-0.008 χ^2/NDF : 1967753.2/23

Right Out: 51.013+/-0.015 χ^2/NDF : 3171010.1/20

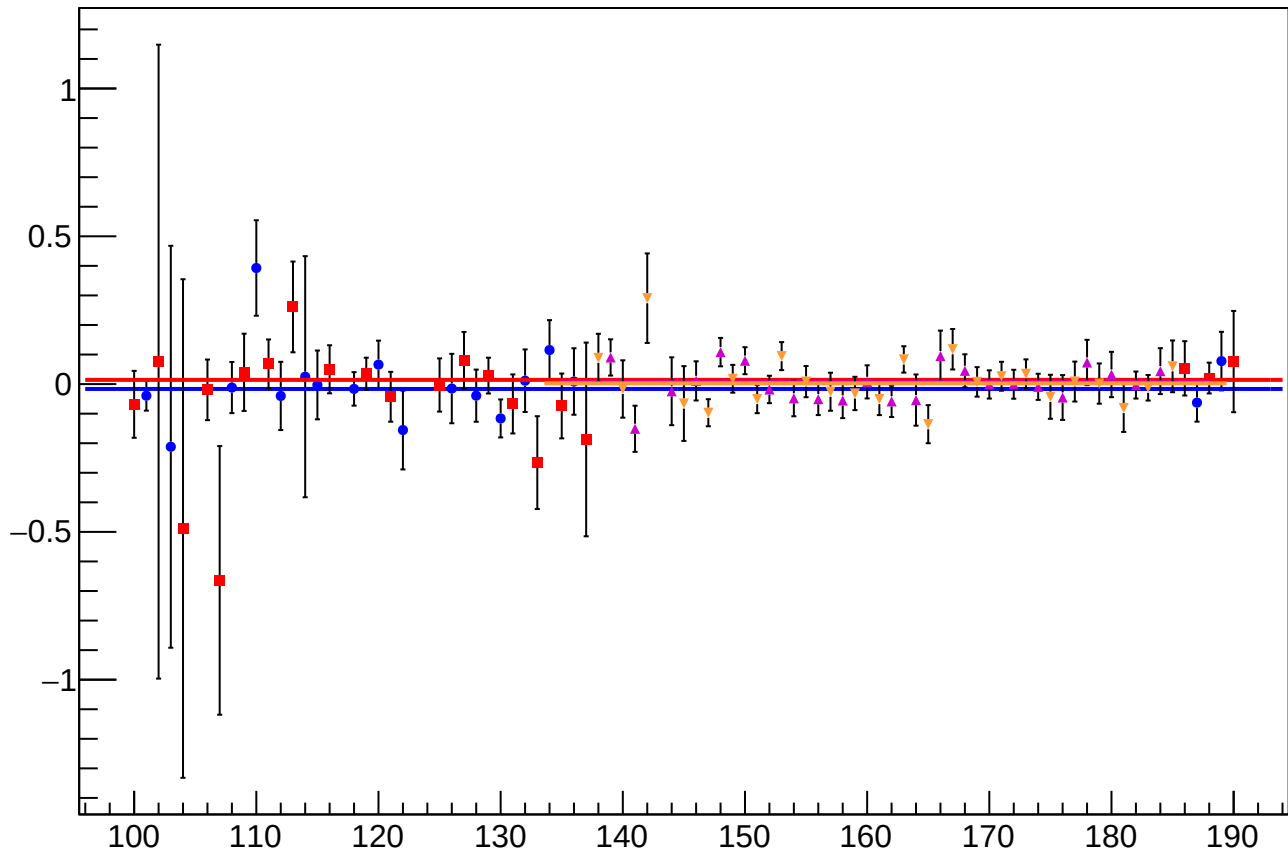
Left In: 47.575+/-0.009 χ^2/NDF : 1576196.2/22

+ sign 47.135+/-0.007 χ^2/NDF : 4597661.3/41

All: 47.783+/-0.005 χ^2/NDF : 9401663.3/85

- sign 48.449+/-0.007 χ^2/NDF : 4788049.5/43

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.021 χ^2/NDF : 14.6/17

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.014 ± 0.021 χ^2/NDF : 12.8/20

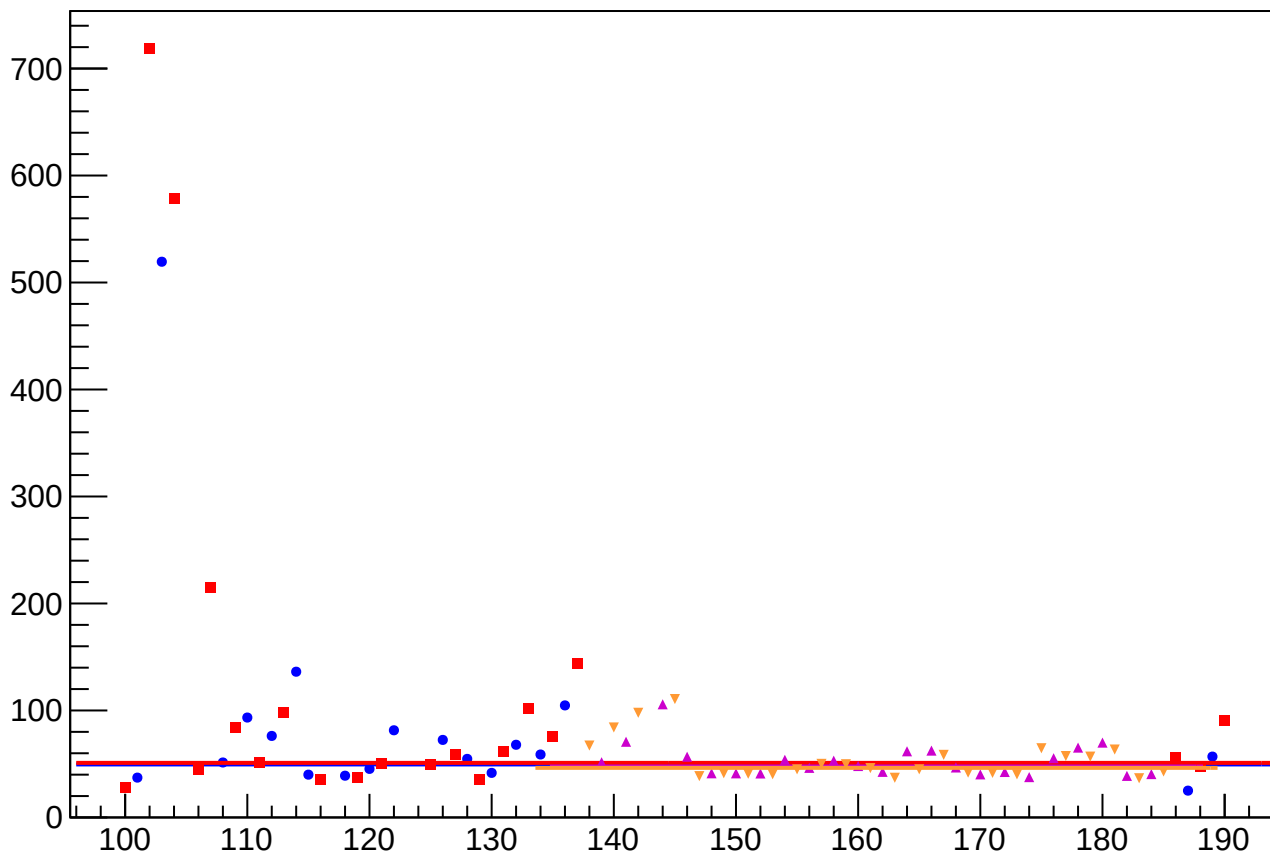
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.002 ± 0.010 χ^2/NDF : 45.1/41

All: 0.003 ± 0.007 χ^2/NDF : 80.2/85

- sign 0.008 ± 0.010 χ^2/NDF : 34.6/43

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.543 $\pm$ 0.015 χ^2 /NDF: 2594664.4/17

Left Out: 46.353 $\pm$ 0.008 χ^2 /NDF:1967753.2/23

Right Out: 51.013 $\pm$ 0.015 χ^2 /NDF: 3171010.1/20

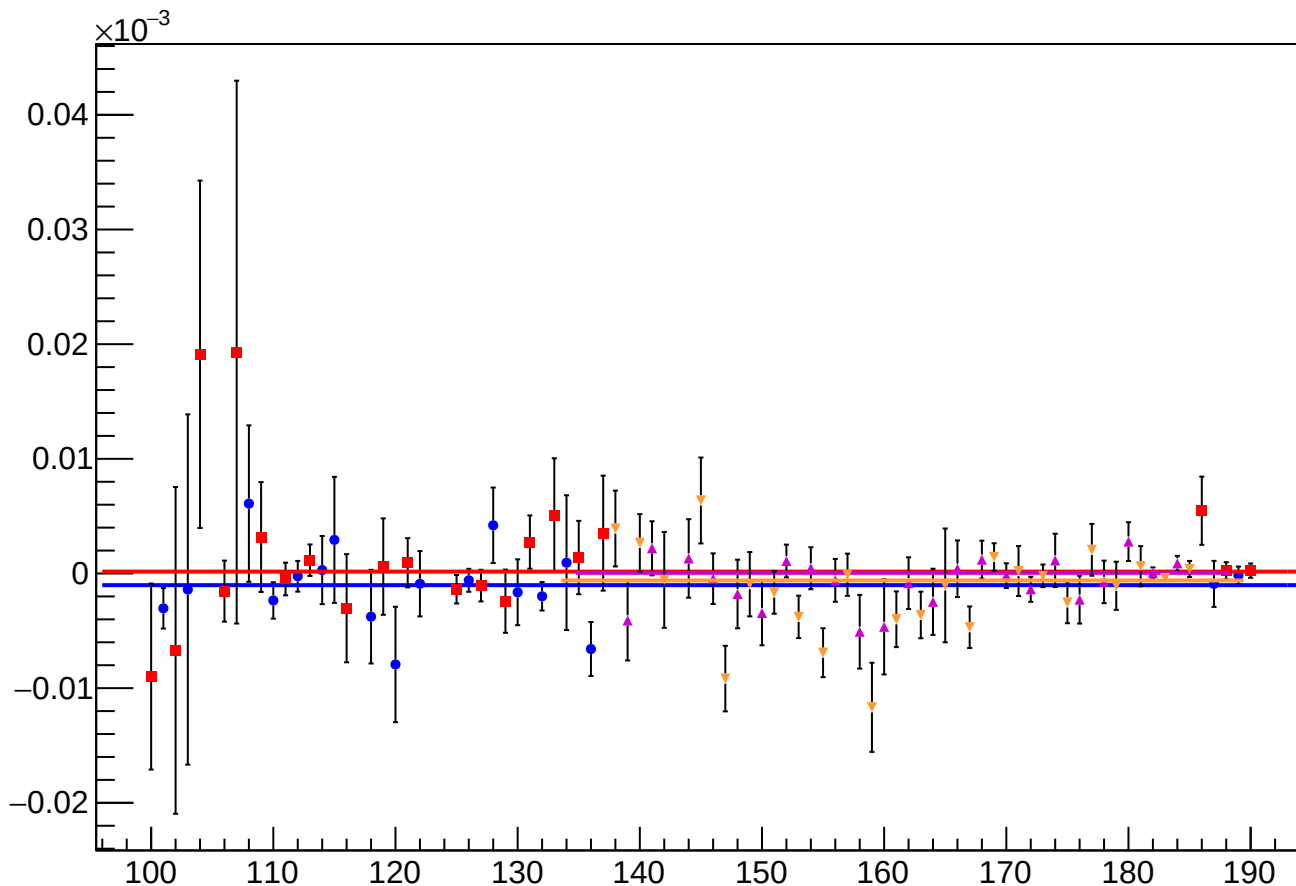
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF:1576196.2/22

+ sign 47.135 $\pm$ 0.007 χ^2 /NDF: 4597661.3/41

All: 47.783 $\pm$ 0.005 χ^2 /NDF: 9401663.3/85

- sign 48.449 $\pm$ 0.007 χ^2 /NDF: 4788049.5/43

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 16.8/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 54.0/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.1/20

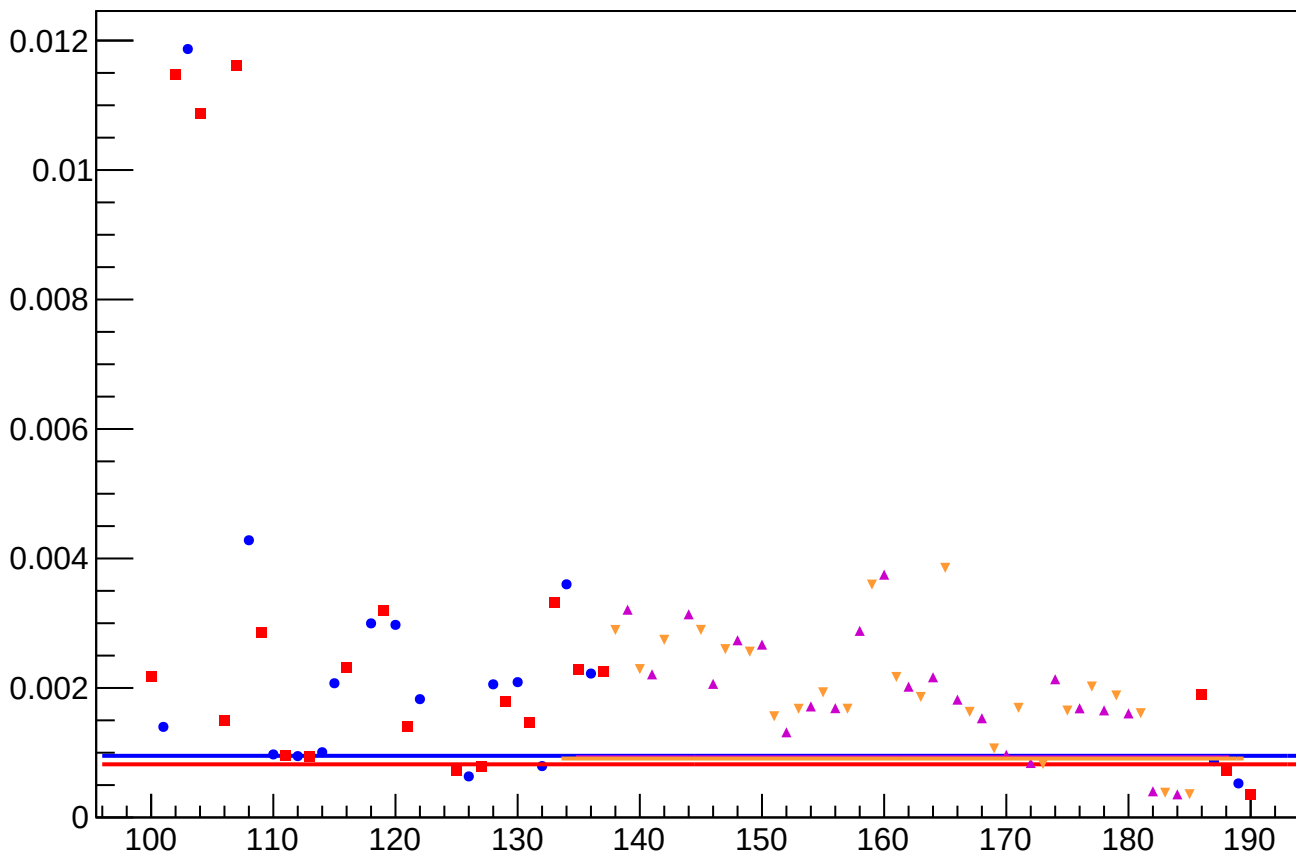
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 71.4/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 111.2/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33.0/43

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 5107853.9/17

Left Out: 0.001+/-0.000 χ^2/NDF : 14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF : 6894864.1/20

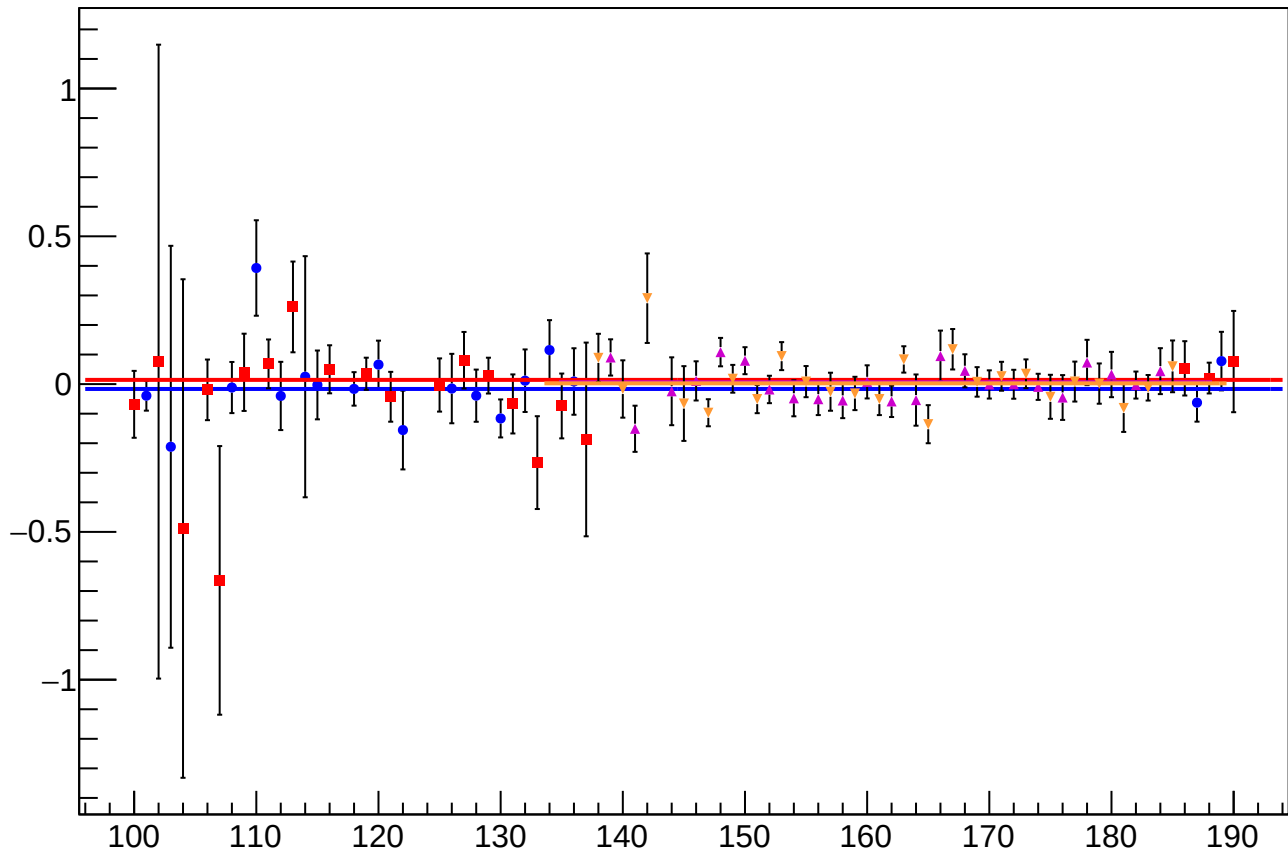
Left In: 0.001+/-0.000 χ^2/NDF : 13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF : 19259047.7/41

All: 0.001+/-0.000 χ^2/NDF : 39982673.4/85

- sign 0.001+/-0.000 χ^2/NDF : 20701199.0/43

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.021 χ^2/NDF : 14.6/17

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.014 ± 0.021 χ^2/NDF : 12.8/20

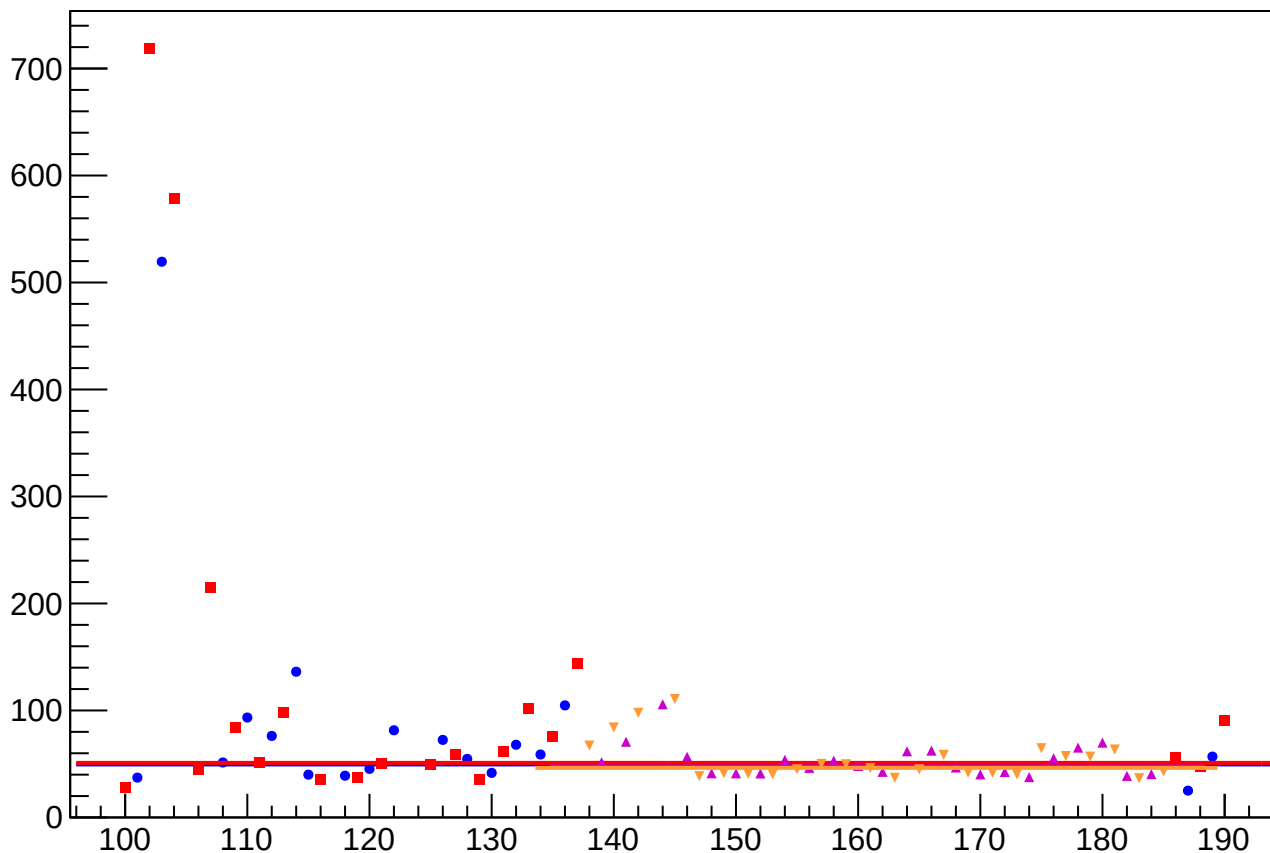
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.002 ± 0.010 χ^2/NDF : 45.1/41

All: 0.003 ± 0.007 χ^2/NDF : 80.2/85

- sign 0.008 ± 0.010 χ^2/NDF : 34.6/43

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.543 $\pm$ 0.015 χ^2 /NDF: 2594650.3/17

Left Out: 46.354 $\pm$ 0.008 χ^2 /NDF: 1967741.3/23

Right Out: 51.013 $\pm$ 0.015 χ^2 /NDF: 3170994.0/20

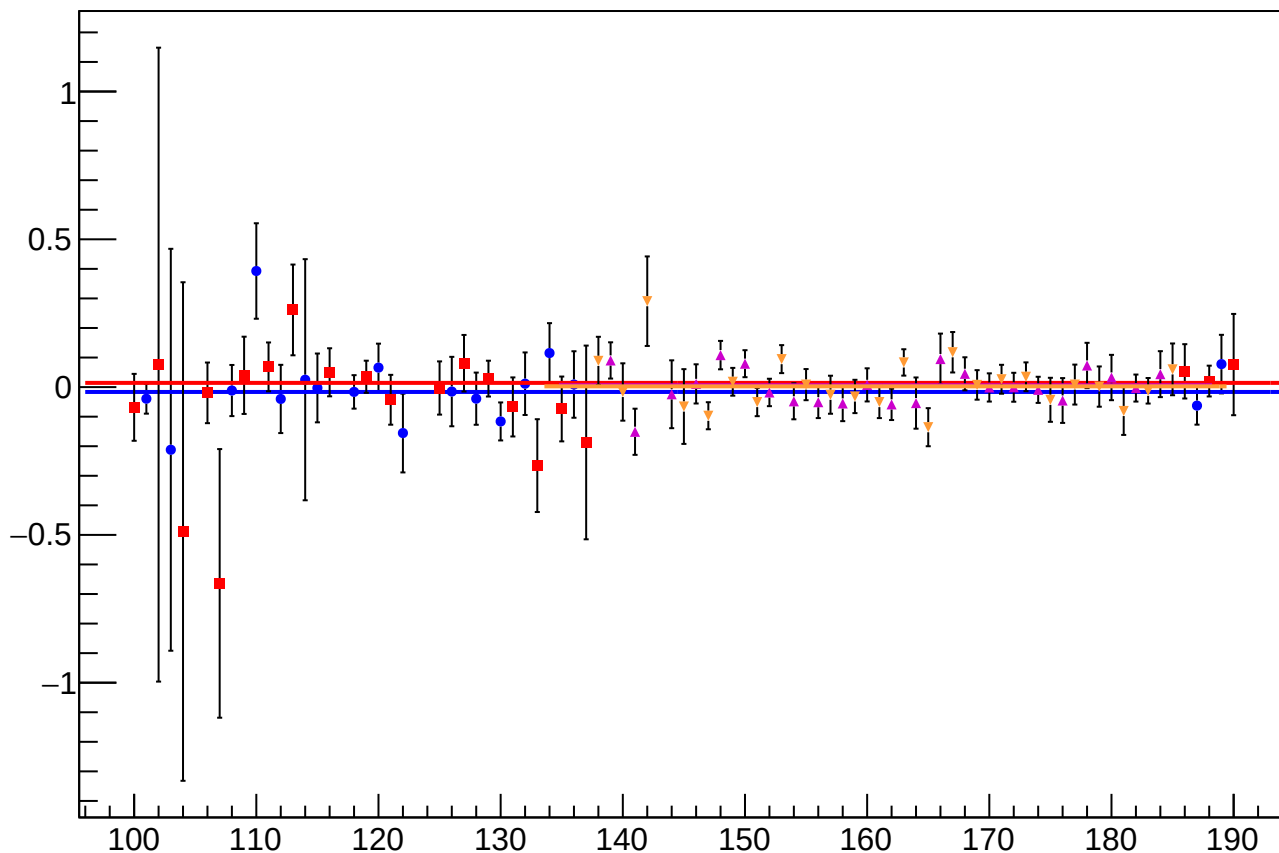
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF: 1576204.5/22

+ sign 47.135 $\pm$ 0.007 χ^2 /NDF: 4597630.3/41

All: 47.783 $\pm$ 0.005 χ^2 /NDF: 9401616.0/85

- sign 48.449 $\pm$ 0.007 χ^2 /NDF: 4788035.7/43

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.021 χ^2/NDF : 14.6/17

Left Out: 0.003 ± 0.012 χ^2/NDF : 29.9/23

Right Out: 0.014 ± 0.021 χ^2/NDF : 12.8/20

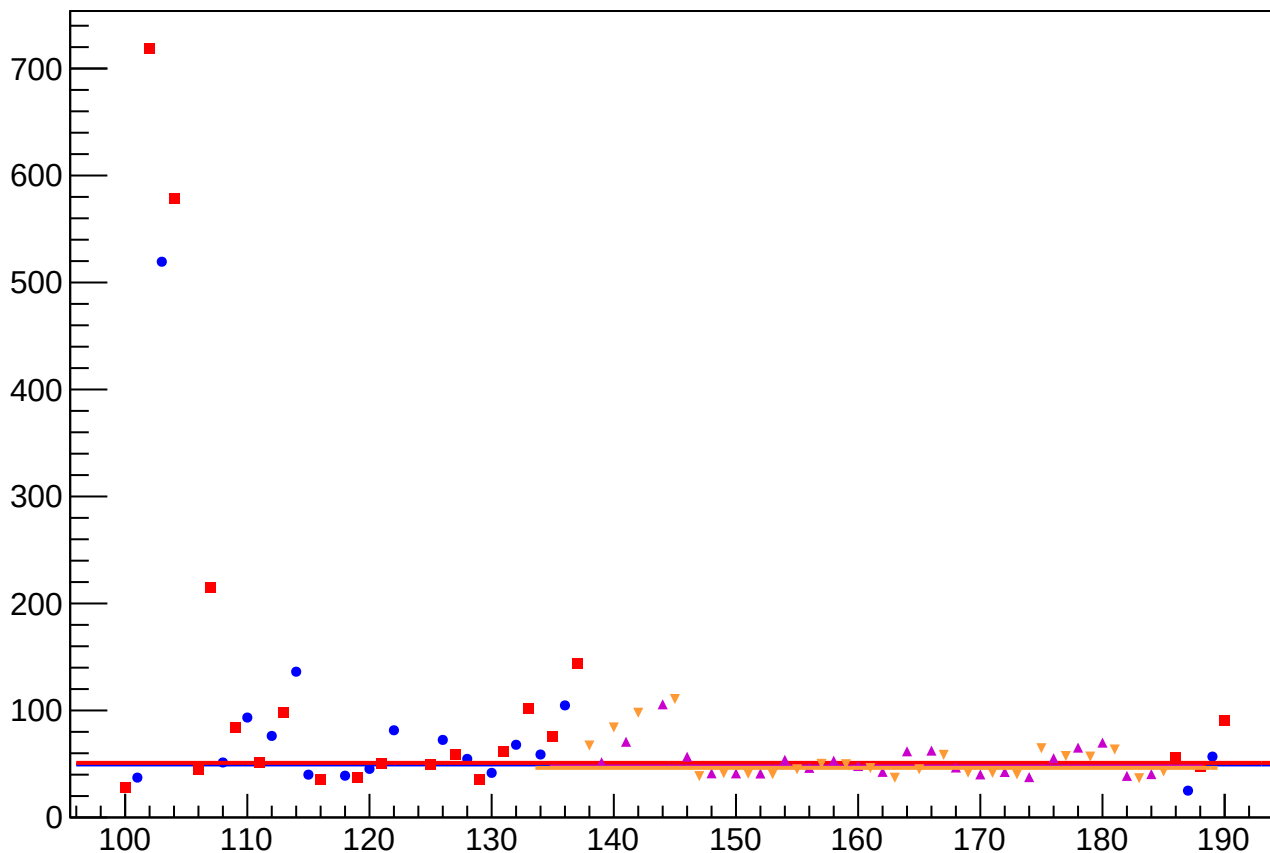
Left In: 0.006 ± 0.012 χ^2/NDF : 21.6/22

+ sign -0.002 ± 0.010 χ^2/NDF : 45.1/41

All: 0.003 ± 0.007 χ^2/NDF : 80.2/85

- sign 0.008 ± 0.010 χ^2/NDF : 34.6/43

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.543 $\pm$ 0.015 χ^2 /NDF: 2594650.3/17

Left Out: 46.354 $\pm$ 0.008 χ^2 /NDF: 1967741.3/23

Right Out: 51.013 $\pm$ 0.015 χ^2 /NDF: 3170994.0/20

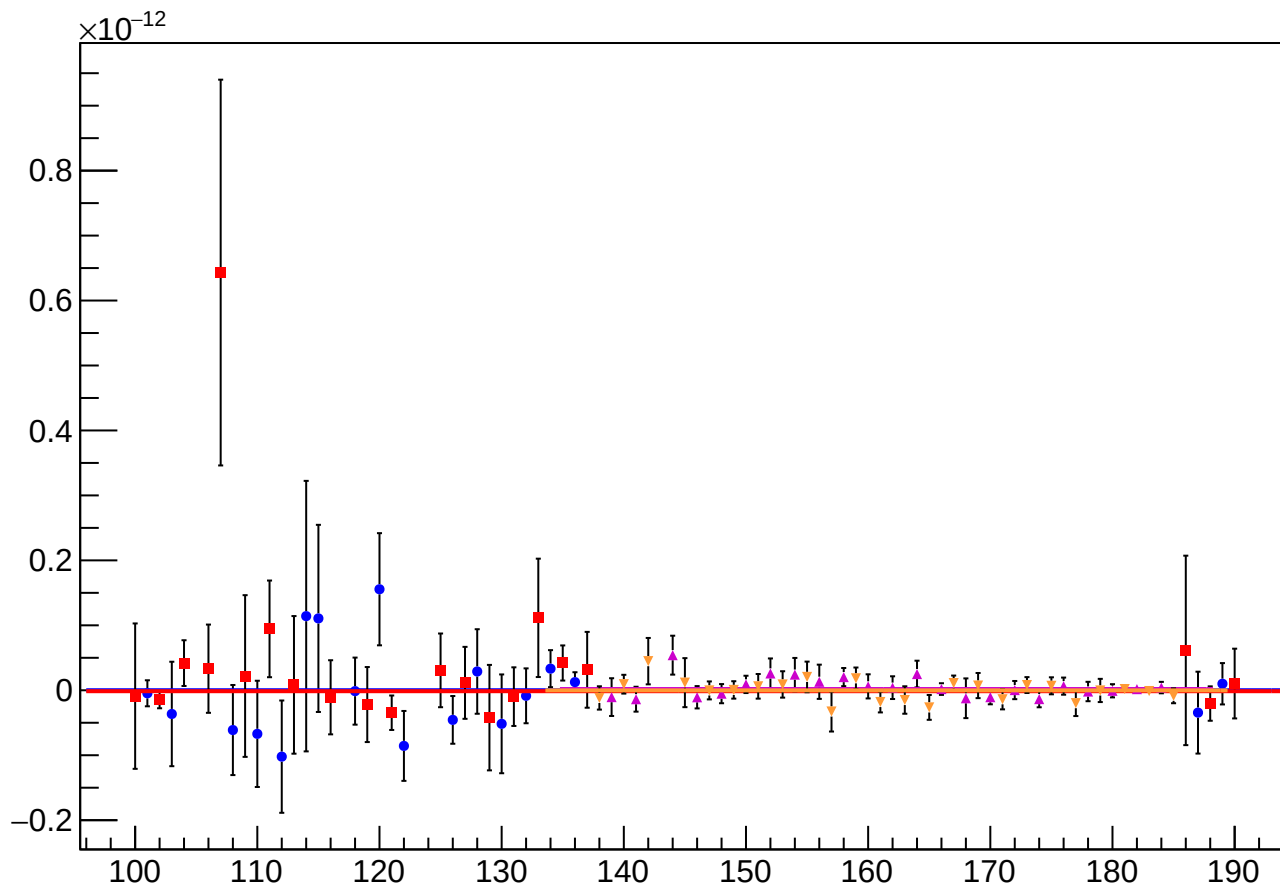
Left In: 47.575 $\pm$ 0.009 χ^2 /NDF: 1576204.5/22

+ sign 47.135 $\pm$ 0.007 χ^2 /NDF: 4597630.3/41

All: 47.783 $\pm$ 0.005 χ^2 /NDF: 9401616.0/85

- sign 48.449 $\pm$ 0.007 χ^2 /NDF: 4788035.7/43

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 14.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 13.9/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.8/20

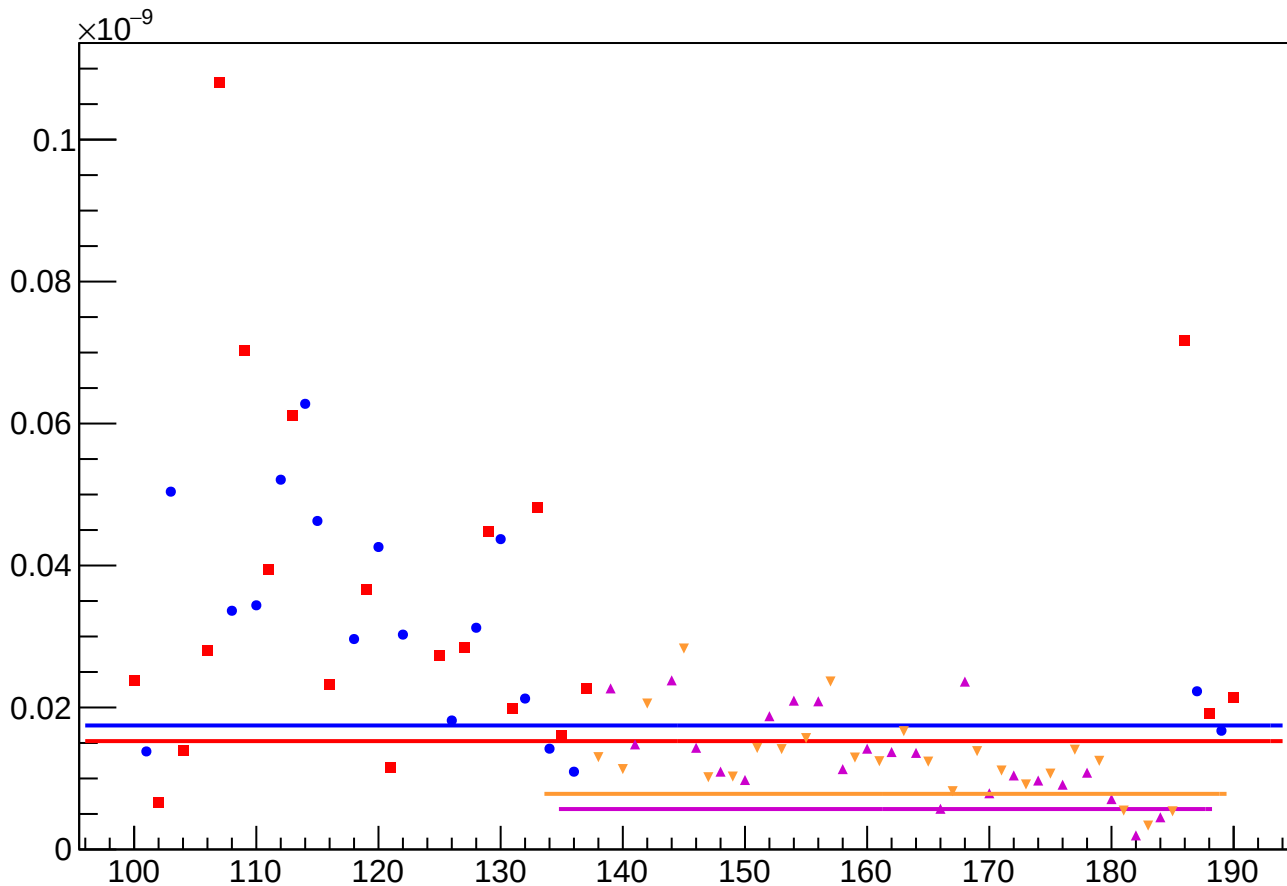
Left In: 0.000 ± 0.000 χ^2/NDF : 13.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 28.3/41

All: 0.000 ± 0.000 χ^2/NDF : 58.9/85

- sign 0.000 ± 0.000 χ^2/NDF : 30.3/43

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2237354.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6422392.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3645738.6/20

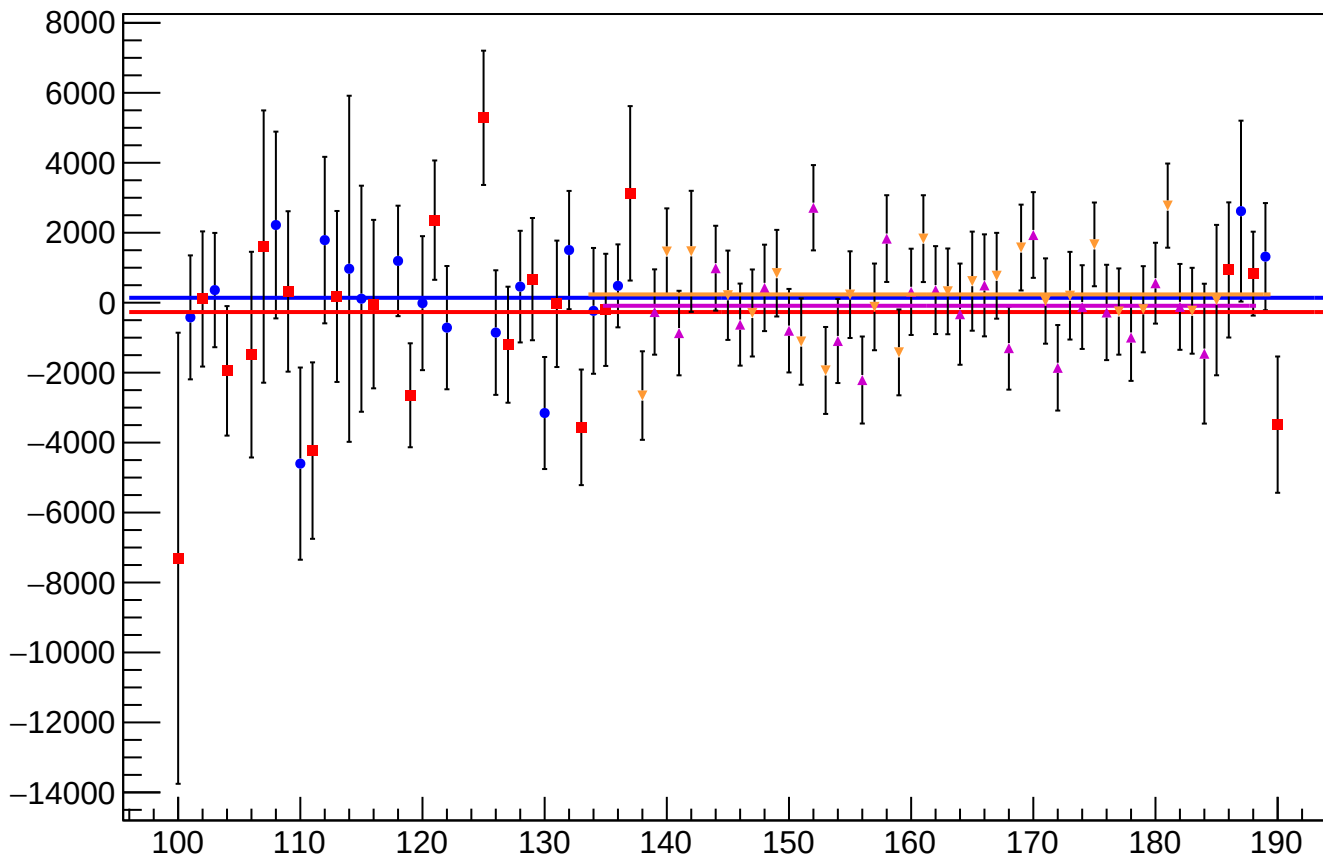
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 11199324.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10816374.3/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 29142907.7/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 17305518.5/43

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 140.043 $\pm$ 433.666 χ^2 /NDF: 11.8/17

Left Out: 236.601 $\pm$ 259.669 χ^2 /NDF:22.7/23

Right Out: -267.632 $\pm$ 420.343 χ^2 /NDF: 28.7/20

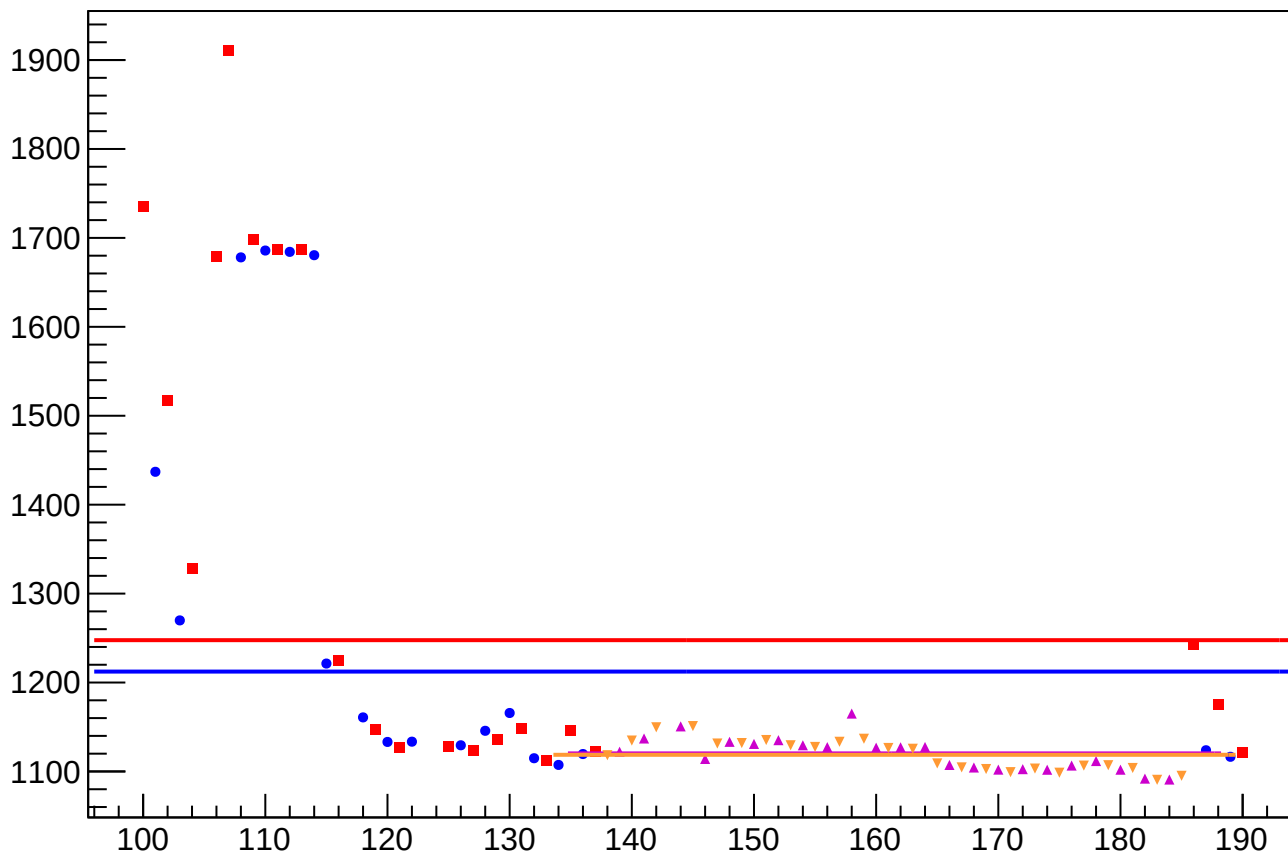
Left In: -88.380 $\pm$ 261.602 χ^2 /NDF:20.9/22

+ sign 211.118 $\pm$ 222.784 χ^2 /NDF: 34.5/41

All: 35.810 $\pm$ 157.290 χ^2 /NDF: 85.5/85

- sign -138.425 $\pm$ 222.102 χ^2 /NDF: 49.8/43

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1212.311+/-0.307 χ^2/NDF : 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF : 8205.0/23

Right Out: 1247.636+/-0.297 χ^2/NDF : 451792.0/20

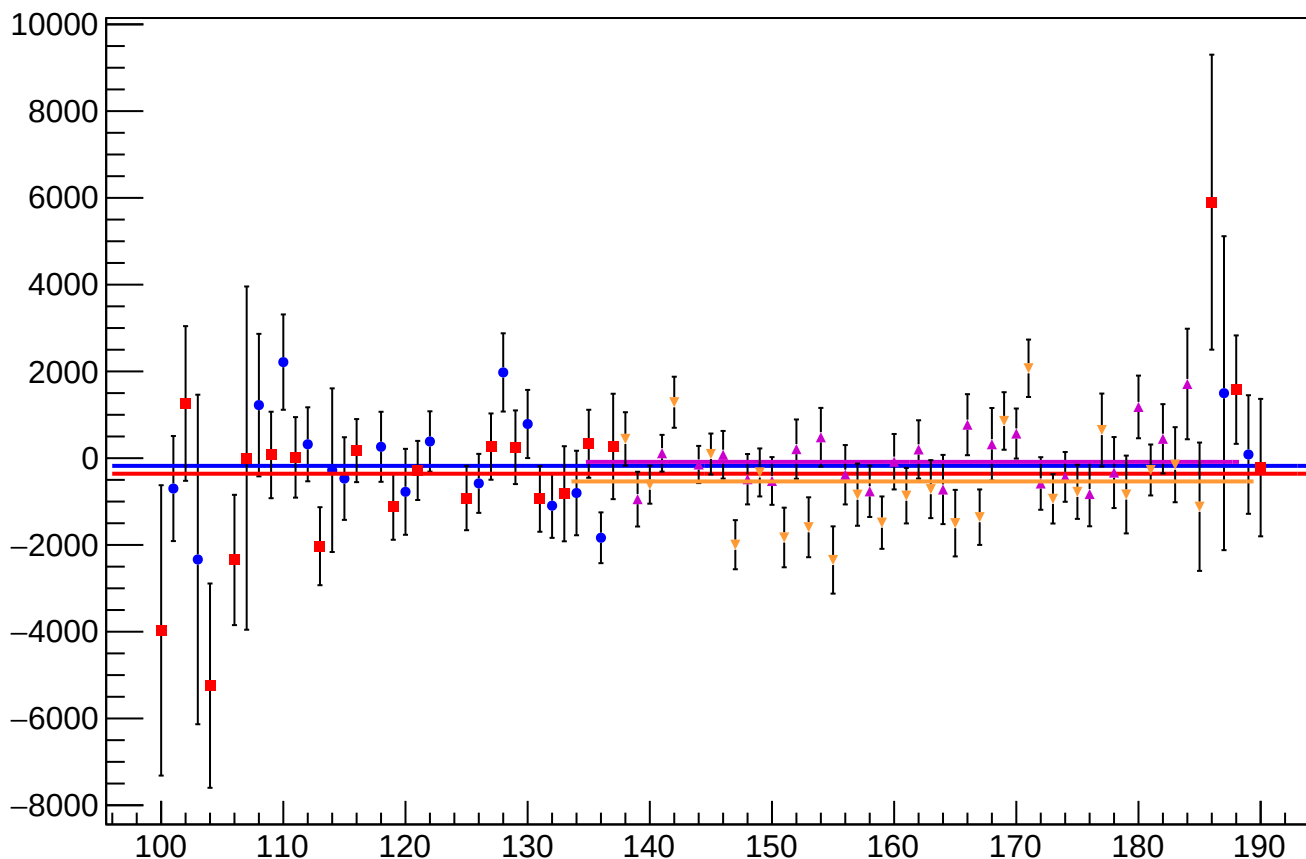
Left In: 1120.308+/-0.185 χ^2/NDF : 9479.7/22

+ sign 1143.430+/-0.158 χ^2/NDF : 383109.8/41

All: 1149.662+/-0.111 χ^2/NDF : 979780.2/85

- sign 1155.857+/-0.157 χ^2/NDF : 593549.4/43

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -177.316+/-219.559 χ^2/NDF : 25.5/17

Left Out: -535.899+/-130.646 χ^2/NDF : 61.6/23

Right Out: -358.256+/-217.198 χ^2/NDF : 22.8/20

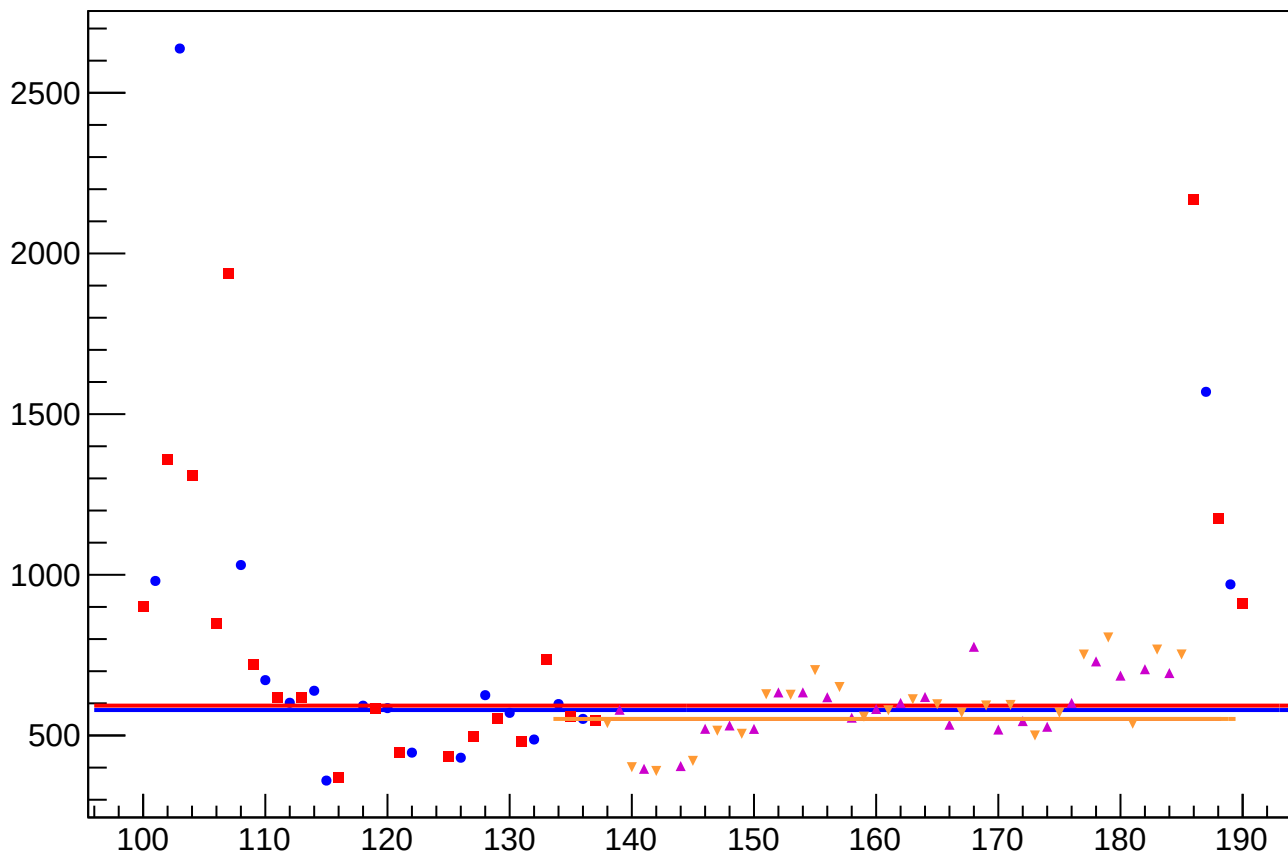
Left In: -85.254+/-130.966 χ^2/NDF : 17.1/22

+ sign -442.134+/-112.273 χ^2/NDF : 89.0/41

All: -299.941+/-79.347 χ^2/NDF : 133.3/85

- sign -158.047+/-112.155 χ^2/NDF : 41.1/43

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 579.116 $\pm$ 0.155 χ^2 /NDF: 1606156.9/17

Left Out: 551.440 $\pm$ 0.092 χ^2 /NDF:1226616.4/23

Right Out: 592.912 $\pm$ 0.154 χ^2 /NDF: 2336478.8/20

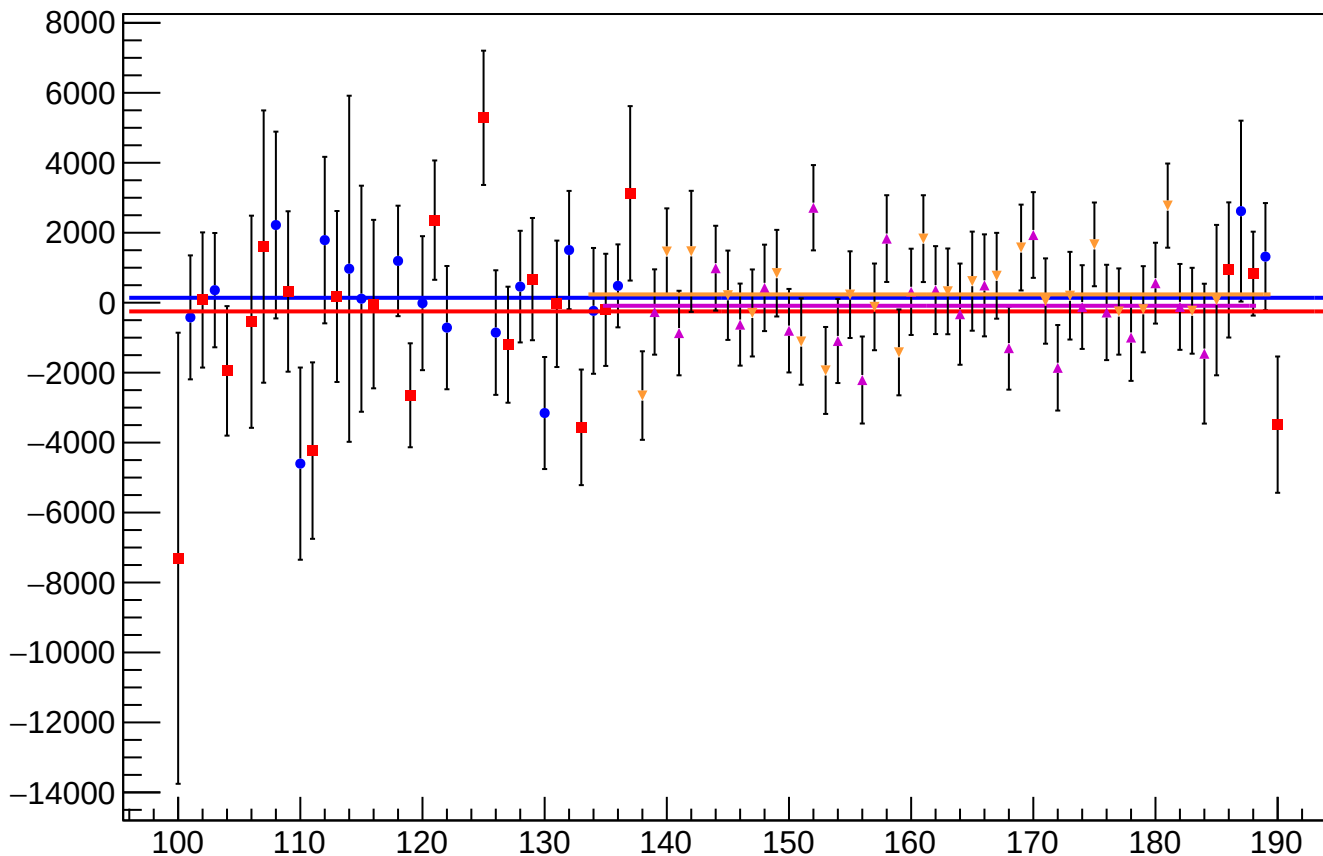
Left In: 551.336 $\pm$ 0.093 χ^2 /NDF:1061764.2/22

+ sign 558.677 $\pm$ 0.079 χ^2 /NDF: 2856241.9/41

All: 560.551 $\pm$ 0.056 χ^2 /NDF: 6309342.7/85

- sign 562.422 $\pm$ 0.079 χ^2 /NDF: 3451986.8/43

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 139.830 $\pm$ 433.666 χ^2 /NDF: 11.8/17

Left Out: 236.642 $\pm$ 259.669 χ^2 /NDF: 22.7/23

Right Out: -249.504 $\pm$ 420.604 χ^2 /NDF: 28.6/20

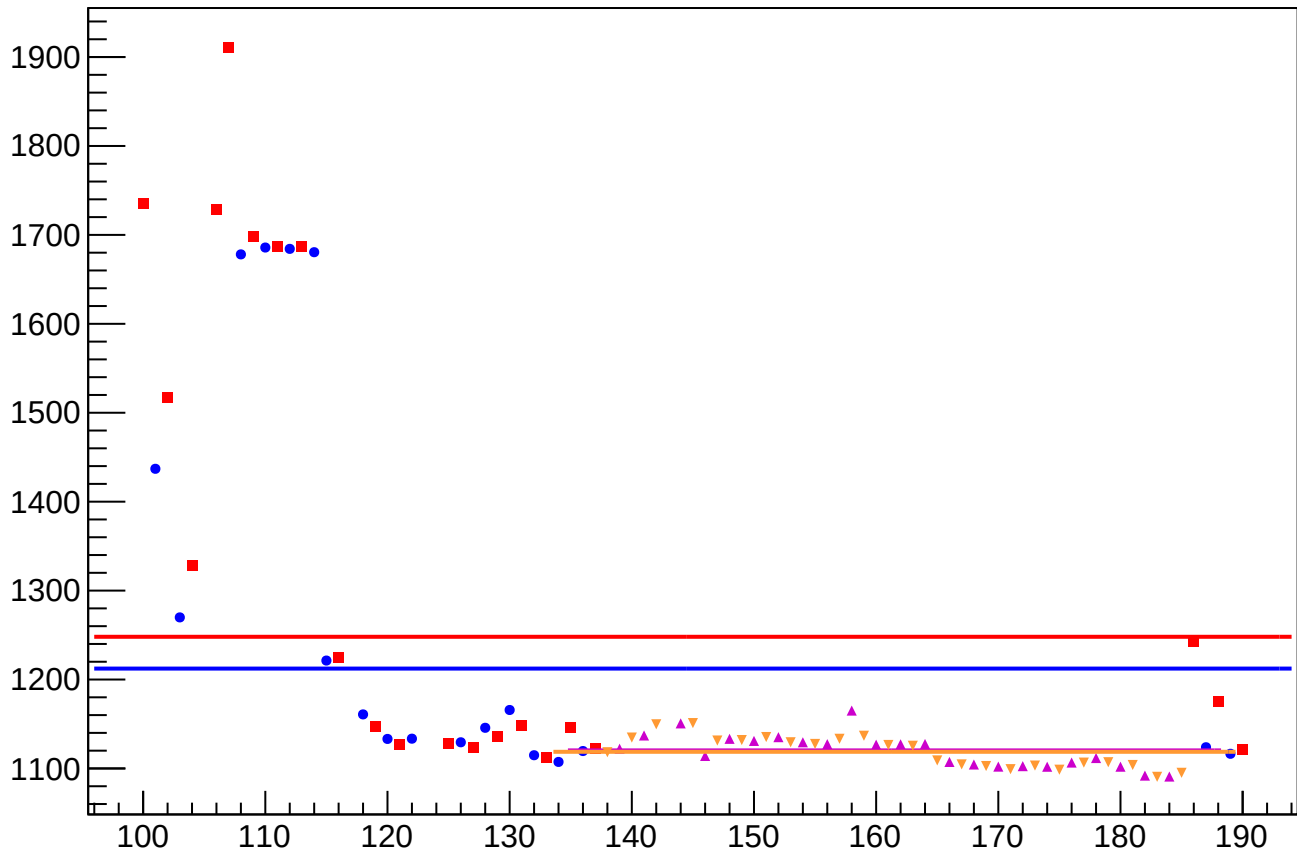
Left In: -88.370 $\pm$ 261.602 χ^2 /NDF: 20.9/22

+ sign 211.092 $\pm$ 222.784 χ^2 /NDF: 34.5/41

All: 38.389 $\pm$ 157.304 χ^2 /NDF: 85.3/85

- sign -133.316 $\pm$ 222.140 χ^2 /NDF: 49.6/43

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1212.311 $\pm$ 0.307 χ^2 /NDF: 306356.3/17

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1248.069 $\pm$ 0.297 χ^2 /NDF: 459122.6/20

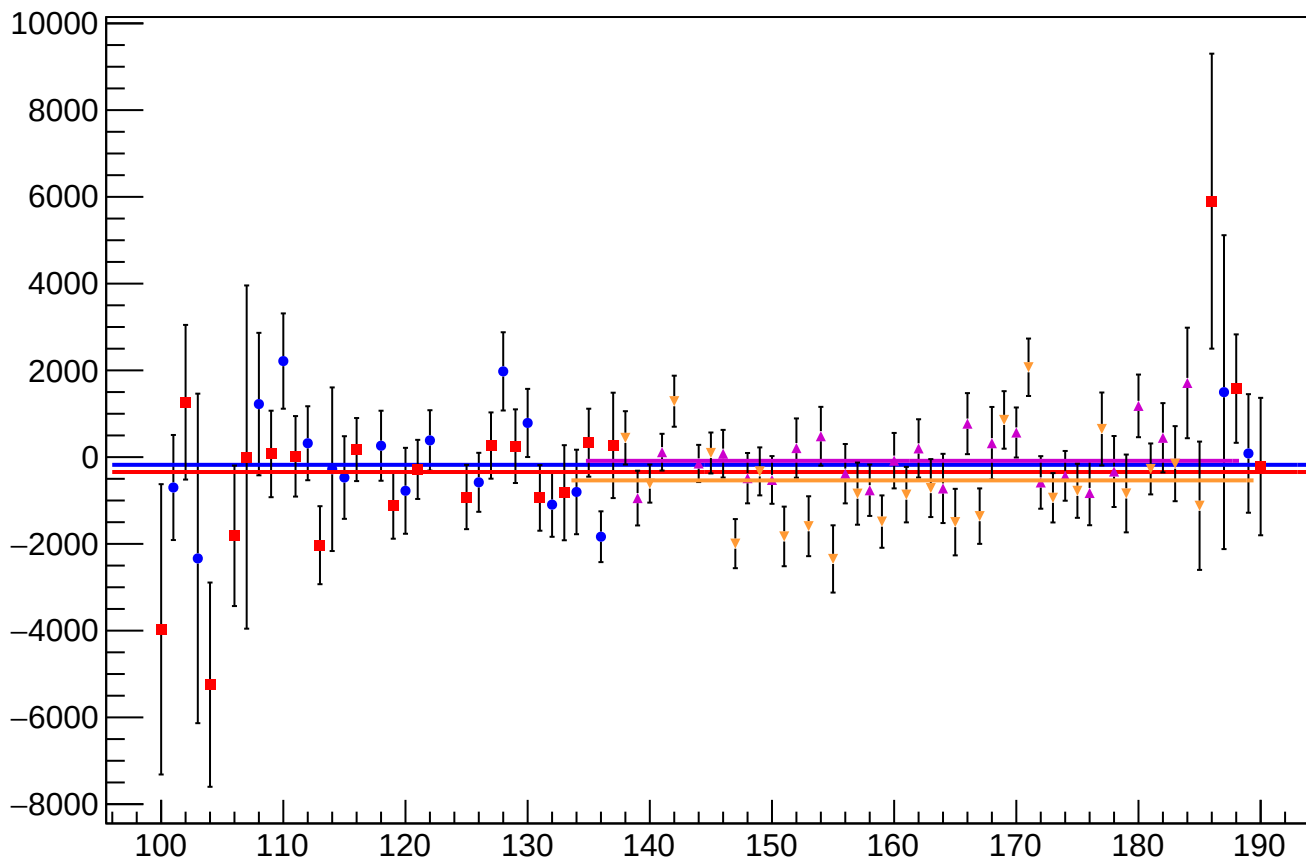
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1143.430 $\pm$ 0.158 χ^2 /NDF: 383109.9/41

All: 1149.706 $\pm$ 0.111 χ^2 /NDF: 987937.8/85

- sign 1155.946 $\pm$ 0.157 χ^2 /NDF: 601662.6/43

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -177.318+/-219.557 χ^2/NDF : 25.5/17

Left Out: -535.930+/-130.646 χ^2/NDF : 61.6/23

Right Out: -342.869+/-217.516 χ^2/NDF : 21.8/20

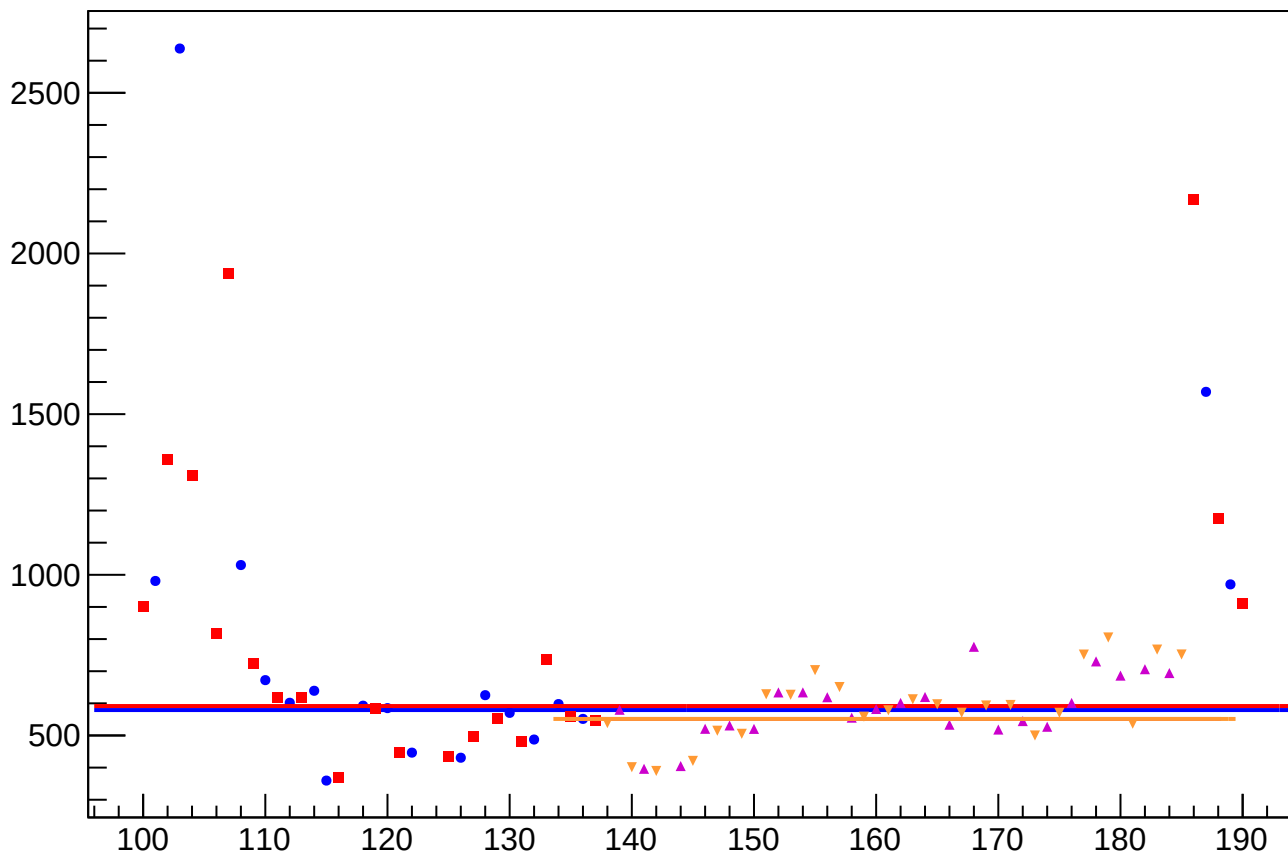
Left In: -85.243+/-130.966 χ^2/NDF : 17.1/22

+ sign -442.156+/-112.273 χ^2/NDF : 89.0/41

All: -297.877+/-79.362 χ^2/NDF : 132.4/85

- sign -153.789+/-112.198 χ^2/NDF : 40.0/43

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 579.111 $\pm$ 0.155 χ^2 /NDF: 1606137.8/17

Left Out: 551.439 $\pm$ 0.092 χ^2 /NDF:1226632.2/23

Right Out: 591.599 $\pm$ 0.154 χ^2 /NDF: 2317254.7/20

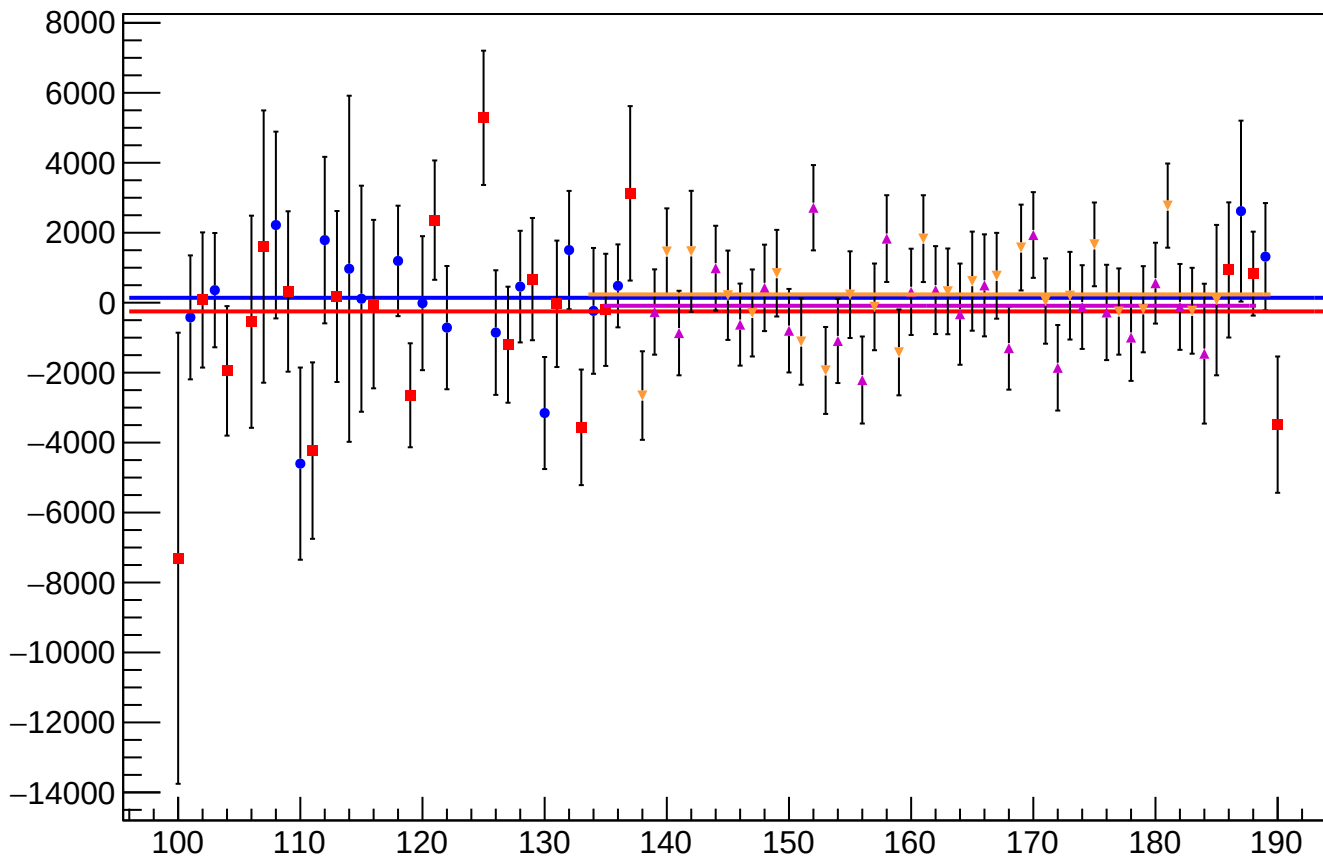
Left In: 551.335 $\pm$ 0.093 χ^2 /NDF:1061731.9/22

+ sign 558.675 $\pm$ 0.079 χ^2 /NDF: 2856232.0/41

All: 560.363 $\pm$ 0.056 χ^2 /NDF: 6286416.1/85

- sign 562.048 $\pm$ 0.079 χ^2 /NDF: 3429281.0/43

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 139.830 ± 433.666 χ^2/NDF : 11.8/17

Left Out: 236.642 ± 259.669 χ^2/NDF : 22.7/23

Right Out: -249.504 ± 420.604 χ^2/NDF : 28.6/20

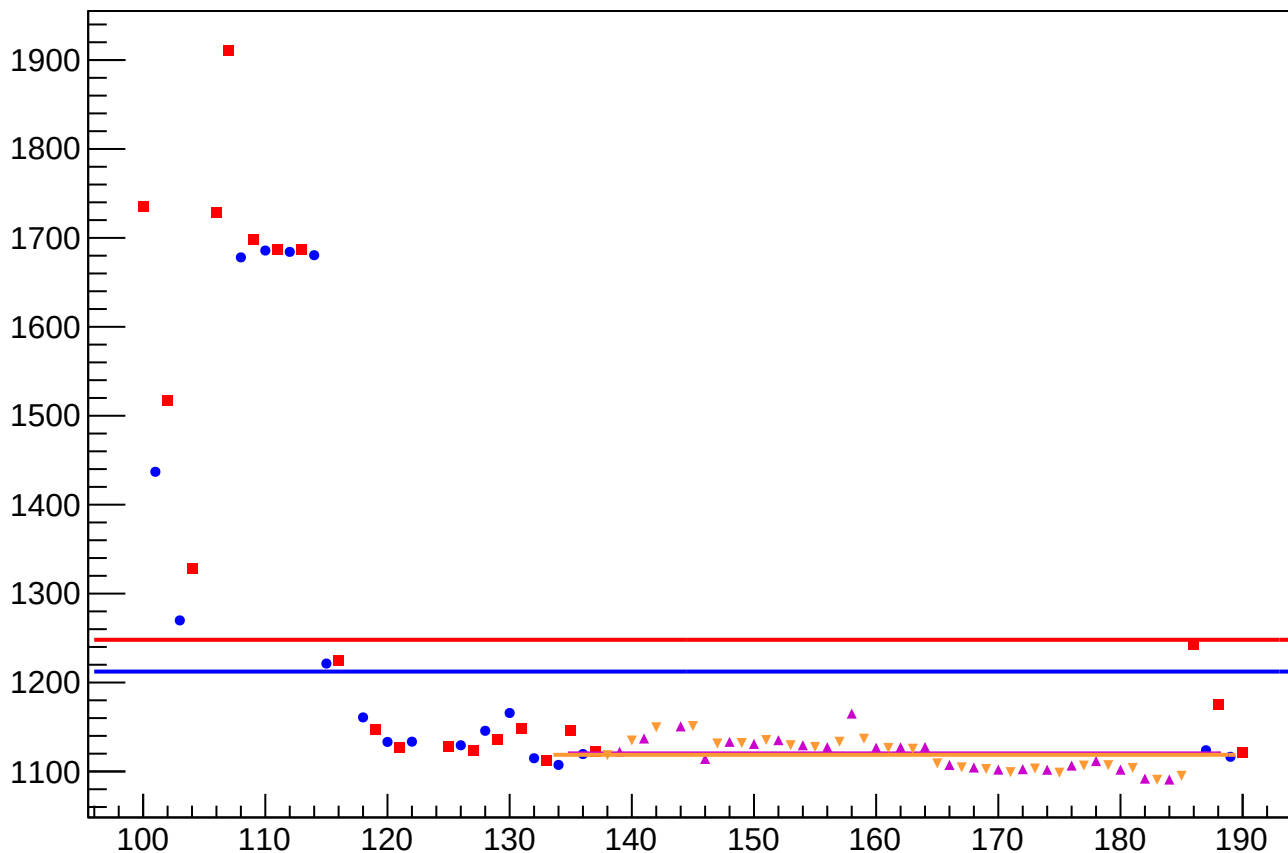
Left In: -88.370 ± 261.602 χ^2/NDF : 20.9/22

+ sign 211.092 ± 222.784 χ^2/NDF : 34.5/41

All: 38.389 ± 157.304 χ^2/NDF : 85.3/85

- sign -133.316 ± 222.140 χ^2/NDF : 49.6/43

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1212.311 $\pm$ 0.307 χ^2 /NDF: 306356.3/17

Left Out: 1118.733 $\pm$ 0.184 χ^2 /NDF: 8205.0/23

Right Out: 1248.069 $\pm$ 0.297 χ^2 /NDF: 459122.6/20

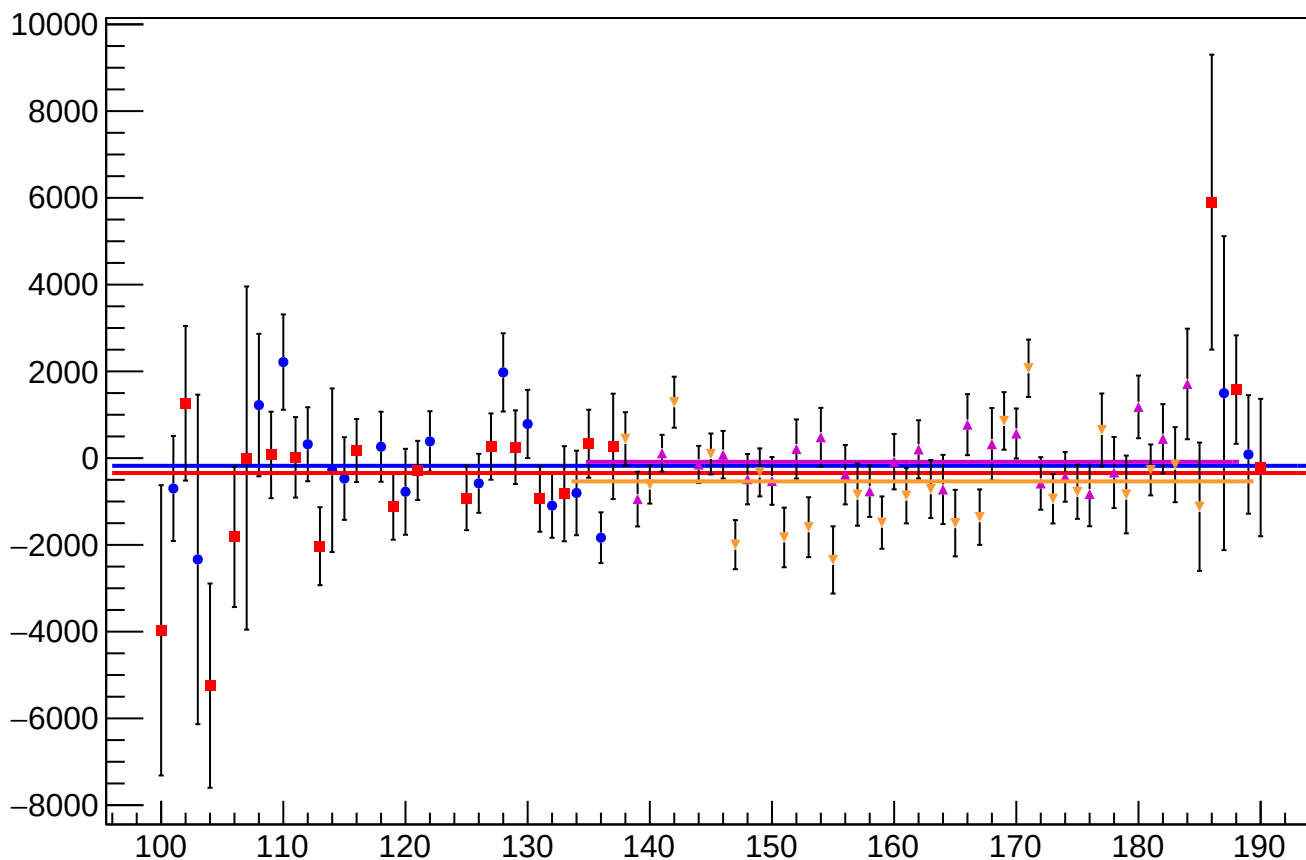
Left In: 1120.308 $\pm$ 0.185 χ^2 /NDF: 9479.7/22

+ sign 1143.430 $\pm$ 0.158 χ^2 /NDF: 383109.9/41

All: 1149.706 $\pm$ 0.111 χ^2 /NDF: 987937.8/85

- sign 1155.946 $\pm$ 0.157 χ^2 /NDF: 601662.6/43

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -177.318 ± 219.557 χ^2/NDF : 25.5/17

Left Out: -535.930 ± 130.646 χ^2/NDF : 61.6/23

Right Out: -342.869 ± 217.516 χ^2/NDF : 21.8/20

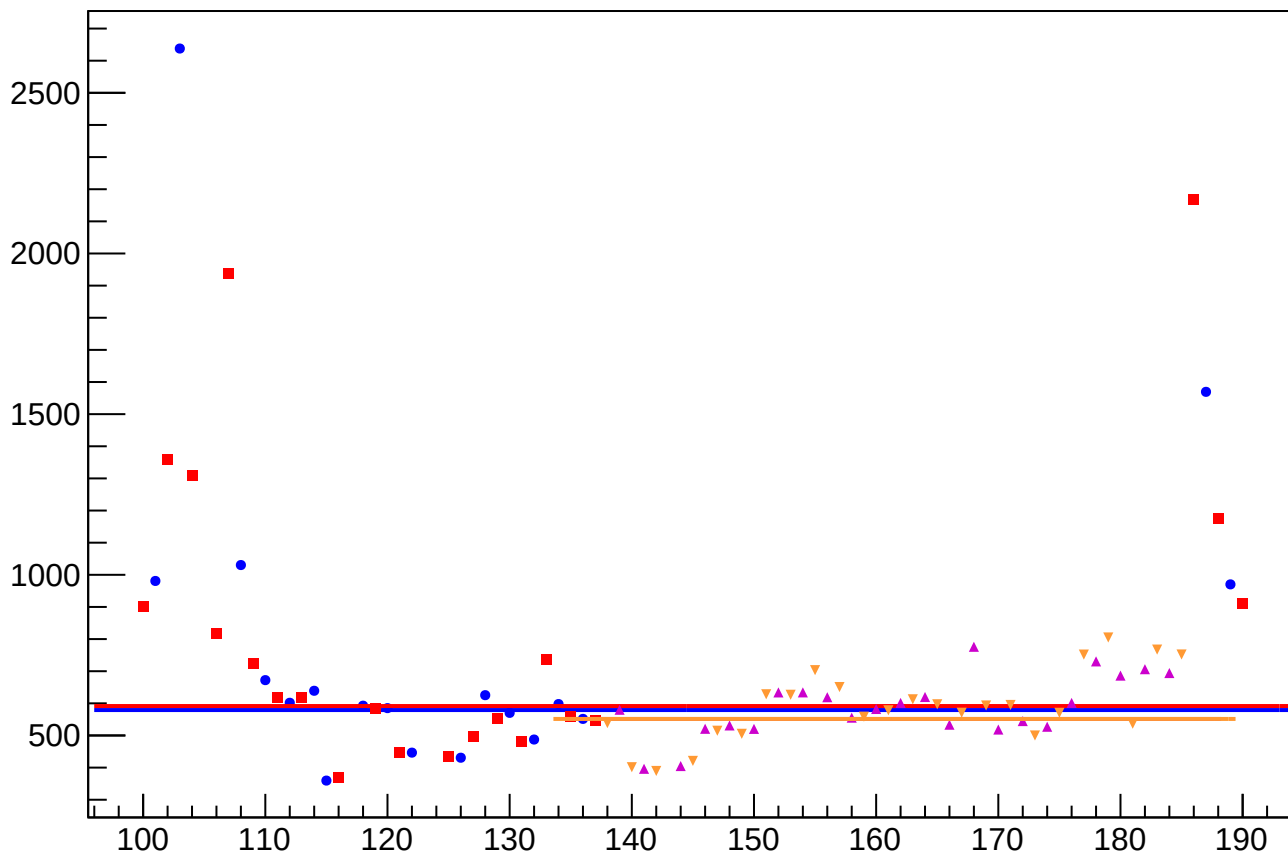
Left In: -85.243 ± 130.966 χ^2/NDF : 17.1/22

+ sign -442.156 ± 112.273 χ^2/NDF : 89.0/41

All: -297.877 ± 79.362 χ^2/NDF : 132.4/85

- sign -153.789 ± 112.198 χ^2/NDF : 40.0/43

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 579.111 $\pm$ 0.155 χ^2 /NDF: 1606137.8/17

Left Out: 551.439 $\pm$ 0.092 χ^2 /NDF:1226632.2/23

Right Out: 591.599 $\pm$ 0.154 χ^2 /NDF: 2317254.7/20

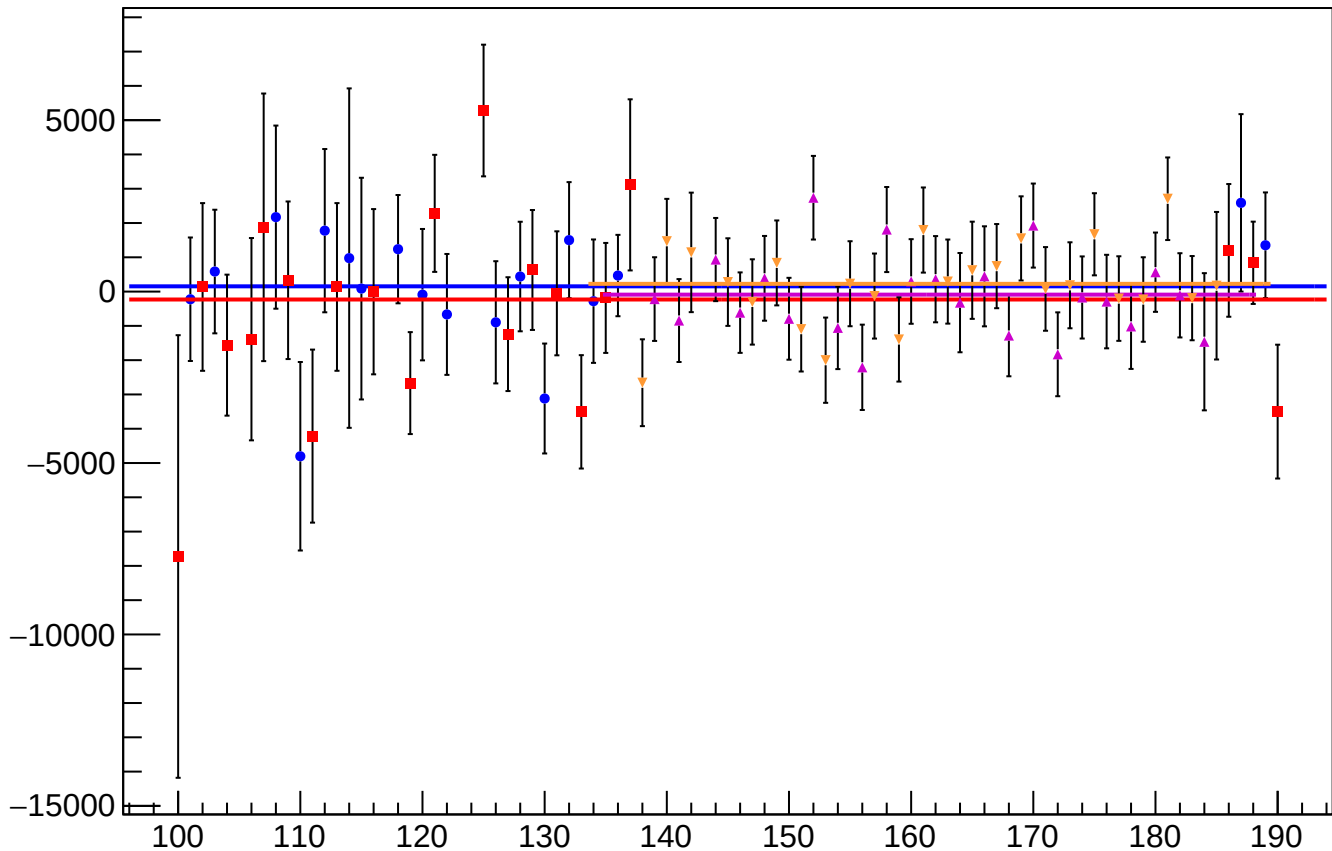
Left In: 551.335 $\pm$ 0.093 χ^2 /NDF:1061731.9/22

+ sign 558.675 $\pm$ 0.079 χ^2 /NDF: 2856232.0/41

All: 560.363 $\pm$ 0.056 χ^2 /NDF: 6286416.1/85

- sign 562.048 $\pm$ 0.079 χ^2 /NDF: 3429281.0/43

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 153.408 $\pm$ 437.209 χ^2 /NDF: 11.9/17

Left Out: 225.663 $\pm$ 259.829 χ^2 /NDF:22.2/23

Right Out: -230.850 $\pm$ 426.581 χ^2 /NDF: 28.4/20

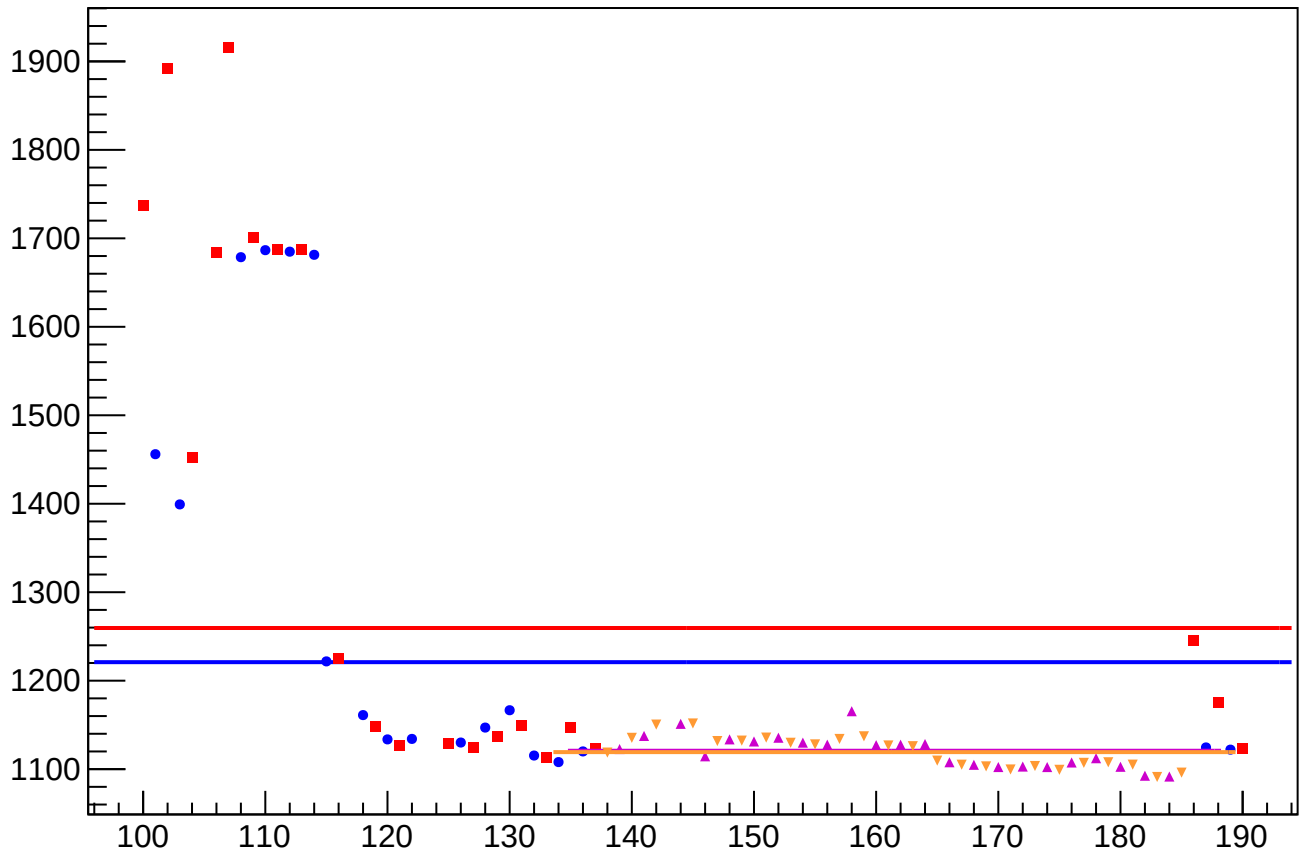
Left In: -89.078 $\pm$ 261.717 χ^2 /NDF:20.6/22

+ sign 206.805 $\pm$ 223.362 χ^2 /NDF: 34.1/41

All: 39.265 $\pm$ 157.841 χ^2 /NDF: 84.3/85

- sign -127.849 $\pm$ 223.079 χ^2 /NDF: 49.1/43

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.931+/-0.309 χ^2/NDF : 327840.7/17

Left Out: 1119.258+/-0.184 χ^2/NDF : 8143.3/23

Right Out: 1259.549+/-0.302 χ^2/NDF : 567411.6/20

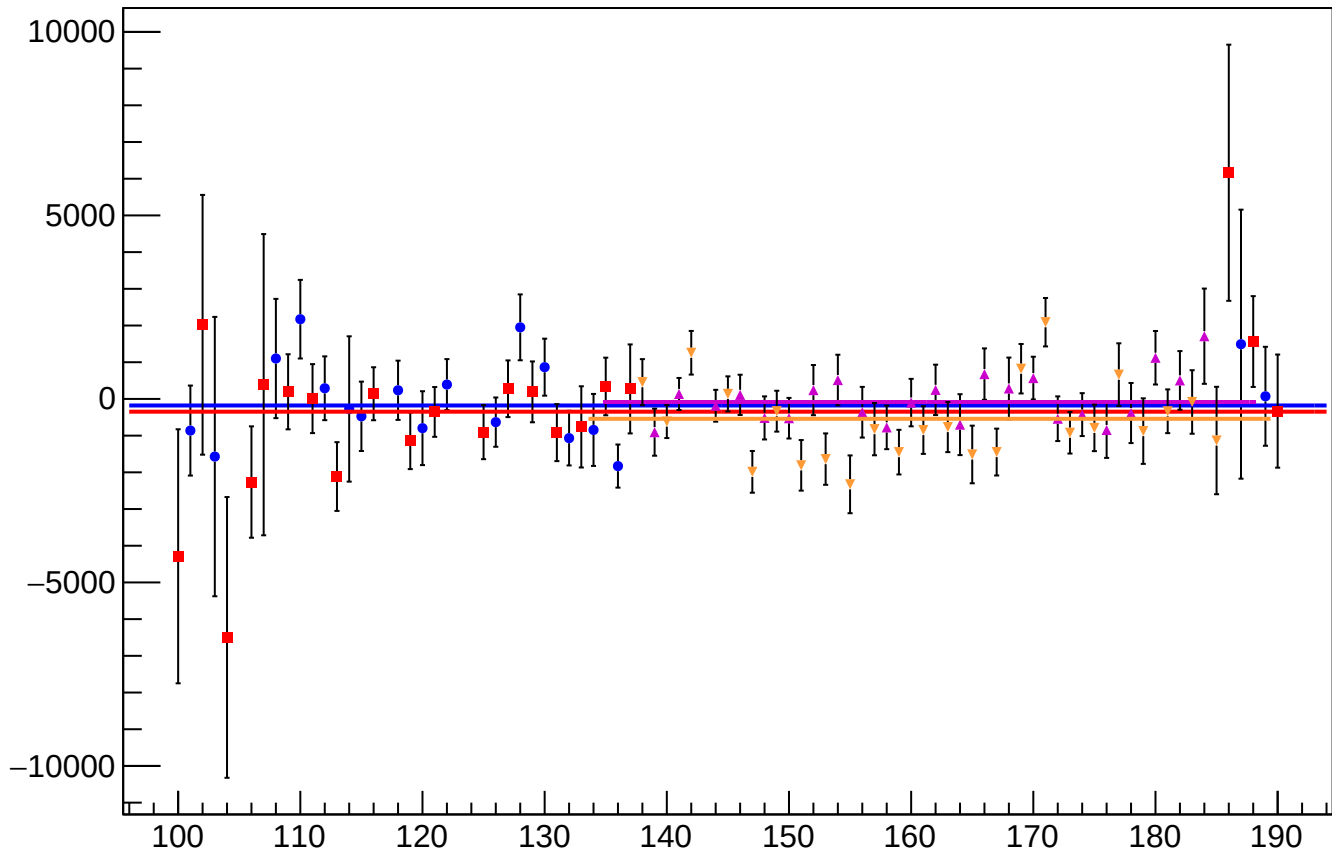
Left In: 1120.800+/-0.185 χ^2/NDF : 9426.5/22

+ sign 1145.795+/-0.158 χ^2/NDF : 415913.2/41

All: 1152.278+/-0.112 χ^2/NDF : 1149838.3/85

- sign 1158.744+/-0.158 χ^2/NDF : 730559.8/43

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -178.516+/-219.388 χ^2/NDF : 25.5/17

Left Out: -541.592+/-132.012 χ^2/NDF : 60.9/23

Right Out: -347.721+/-220.159 χ^2/NDF : 20.7/20

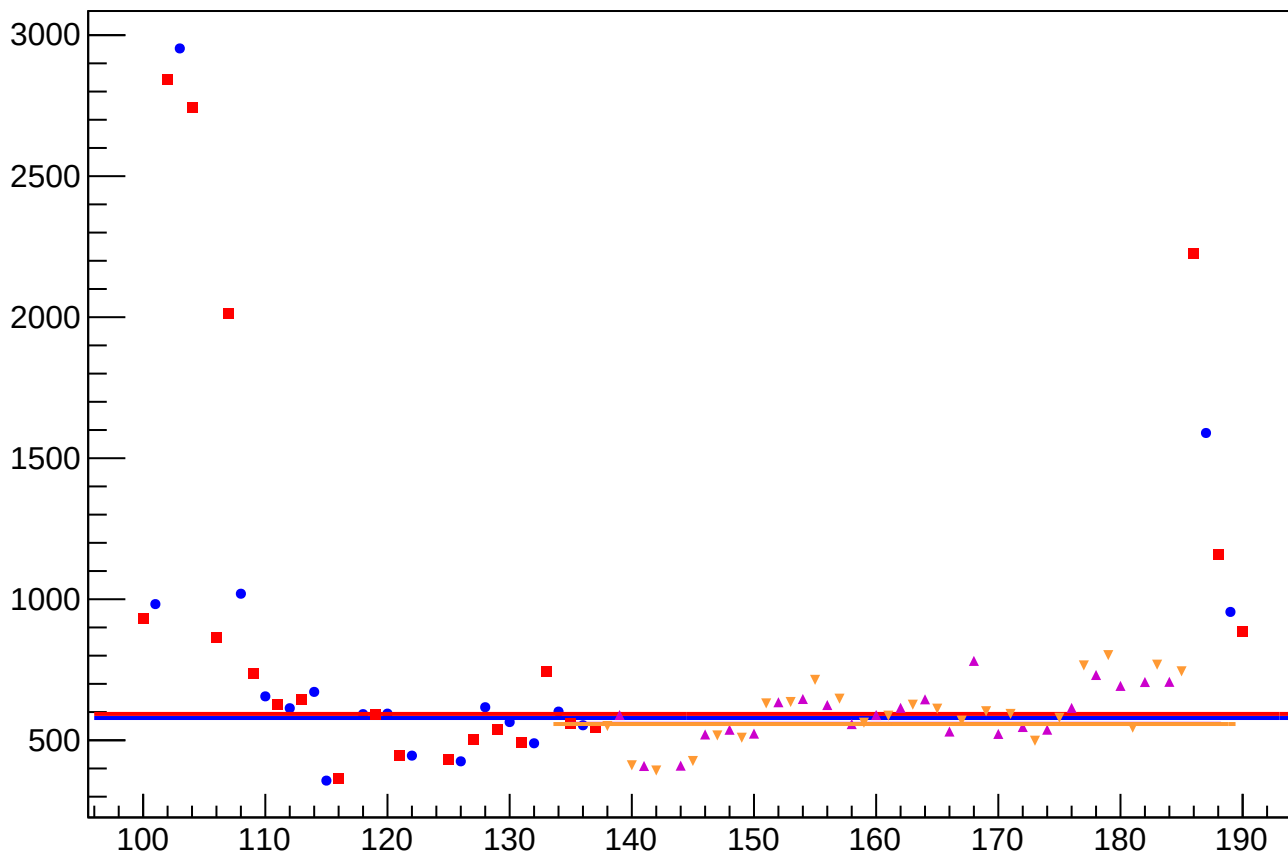
Left In: -84.122+/-132.548 χ^2/NDF : 16.4/22

+ sign -445.078+/-113.113 χ^2/NDF : 88.4/41

All: -300.232+/-80.139 χ^2/NDF : 129.8/85

- sign -154.249+/-113.556 χ^2/NDF : 38.1/43

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 578.879 ± 0.155 $\chi^2/\text{NDF}: 1796138.1/17$

Left Out: 557.592 ± 0.093 $\chi^2/\text{NDF}: 1193270.2/23$

Right Out: 593.434 ± 0.156 $\chi^2/\text{NDF}: 3240453.6/20$

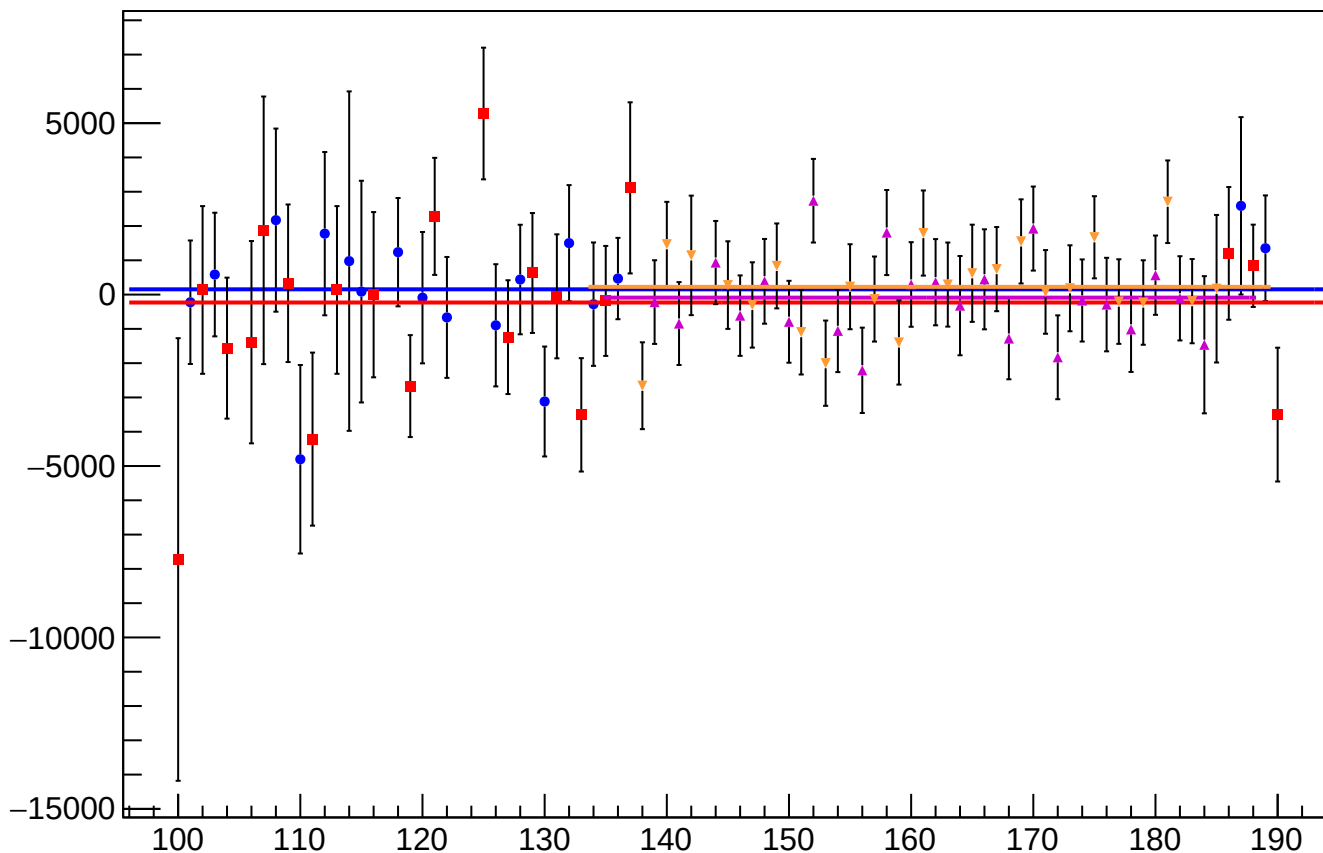
Left In: 558.393 ± 0.094 $\chi^2/\text{NDF}: 1027814.4/22$

+ sign 563.250 ± 0.080 $\chi^2/\text{NDF}: 3003232.4/41$

All: 565.474 ± 0.057 $\chi^2/\text{NDF}: 7310238.2/85$

- sign 567.715 ± 0.080 $\chi^2/\text{NDF}: 4305453.9/43$

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 153.409 $\pm$ 437.209 χ^2 /NDF: 11.9/17

Left Out: 225.661 $\pm$ 259.829 χ^2 /NDF:22.2/23

Right Out: -230.850 $\pm$ 426.581 χ^2 /NDF: 28.4/20

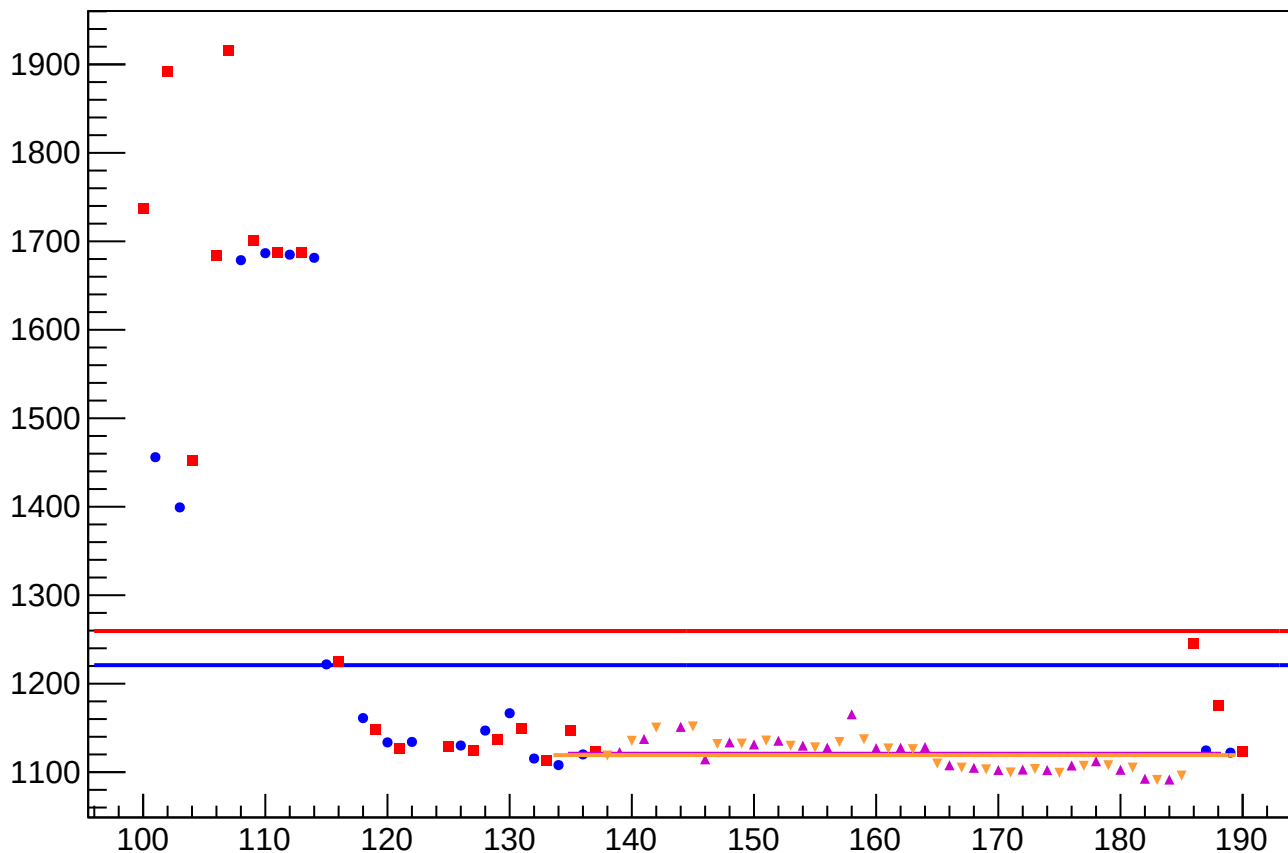
Left In: -89.079 $\pm$ 261.717 χ^2 /NDF:20.6/22

+ sign 206.803 $\pm$ 223.362 χ^2 /NDF: 34.1/41

All: 39.265 $\pm$ 157.841 χ^2 /NDF: 84.3/85

- sign -127.849 $\pm$ 223.079 χ^2 /NDF: 49.1/43

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.931 $\pm$ 0.309 χ^2 /NDF: 327840.3/17

Left Out: 1119.258 $\pm$ 0.184 χ^2 /NDF: 8143.3/23

Right Out: 1259.549 $\pm$ 0.302 χ^2 /NDF: 567411.1/20

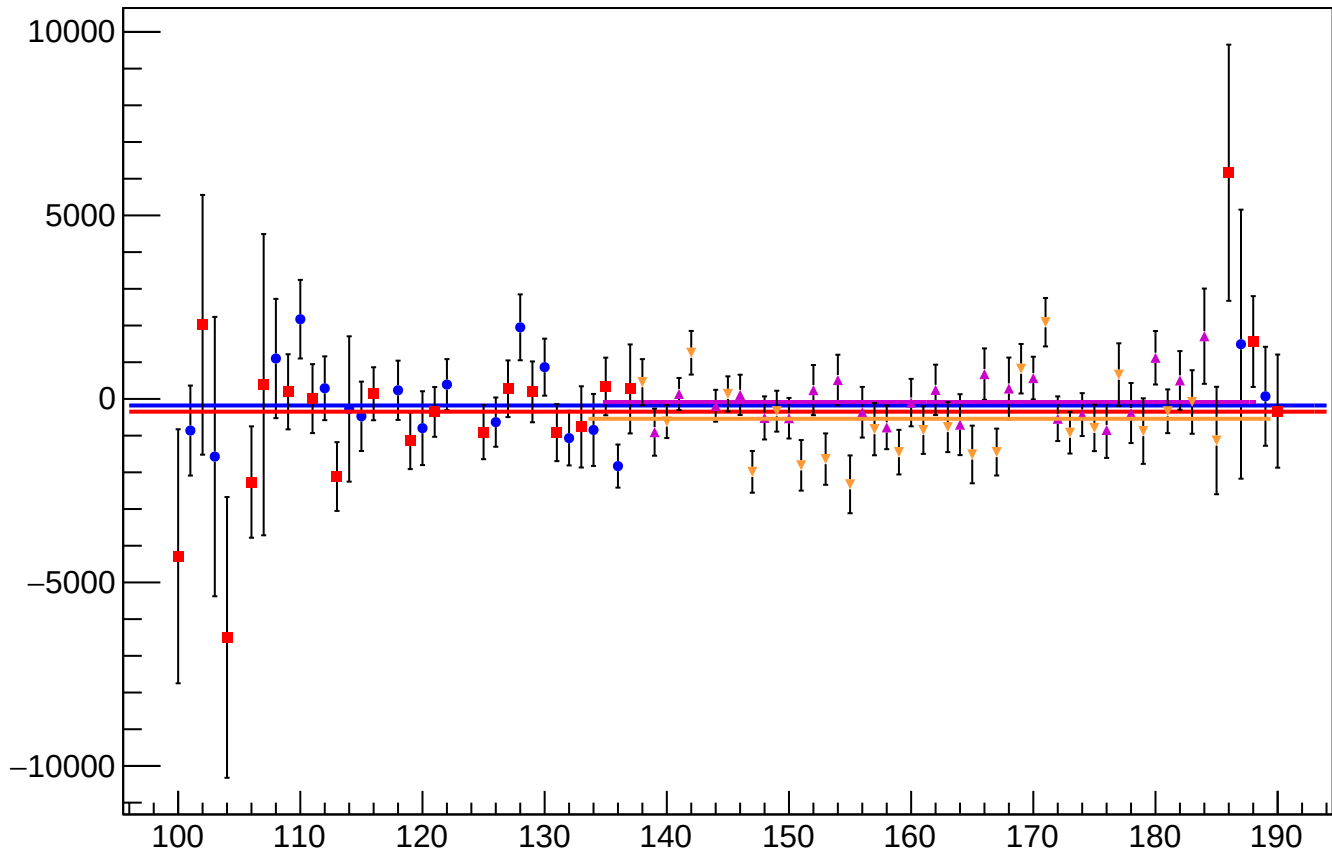
Left In: 1120.800 $\pm$ 0.185 χ^2 /NDF: 9426.5/22

+ sign 1145.795 $\pm$ 0.158 χ^2 /NDF: 415912.7/41

All: 1152.278 $\pm$ 0.112 χ^2 /NDF: 1149837.1/85

- sign 1158.744 $\pm$ 0.158 χ^2 /NDF: 730559.1/43

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -178.516 ± 219.388 χ^2/NDF : 25.5/17

Left Out: -541.591 ± 132.012 χ^2/NDF : 60.9/23

Right Out: -347.721 ± 220.159 χ^2/NDF : 20.7/20

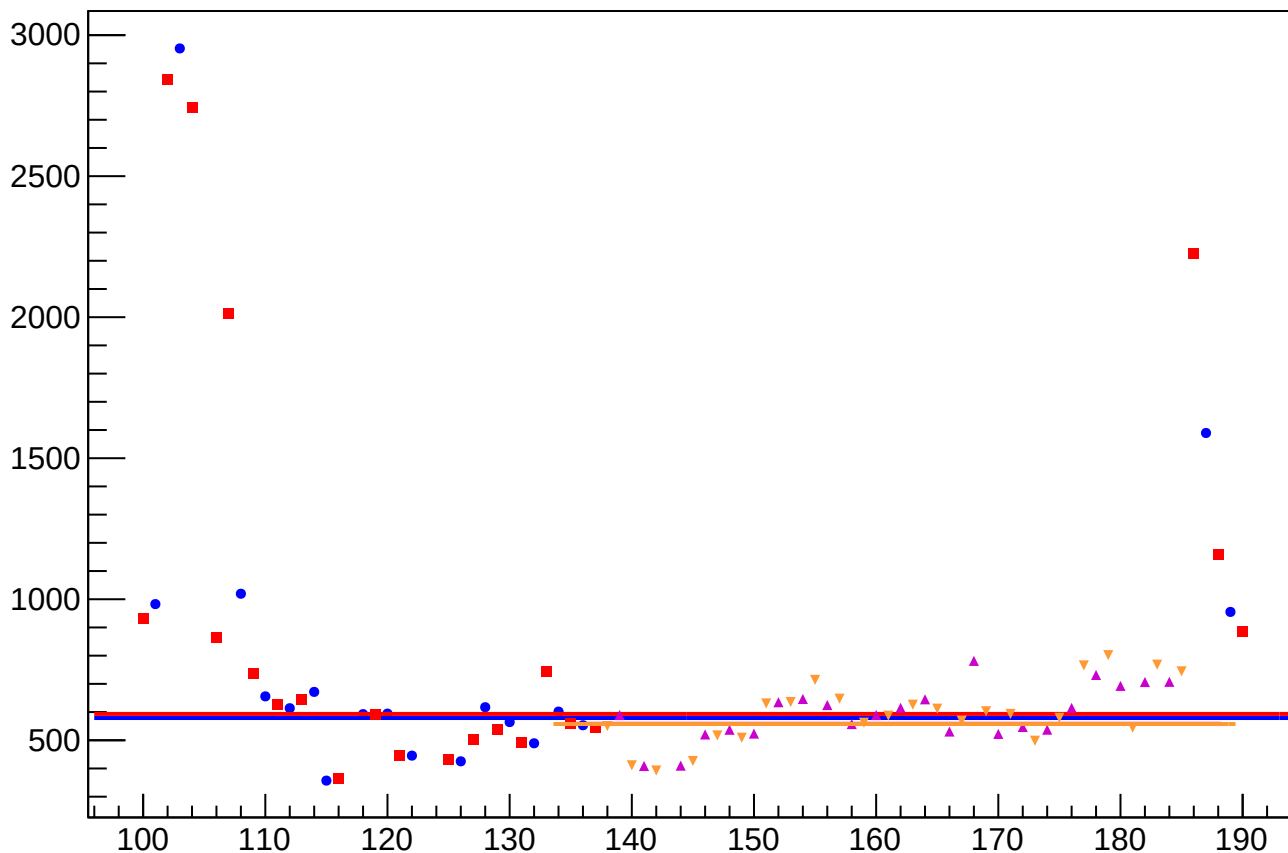
Left In: -84.122 ± 132.548 χ^2/NDF : 16.4/22

+ sign -445.077 ± 113.113 χ^2/NDF : 88.4/41

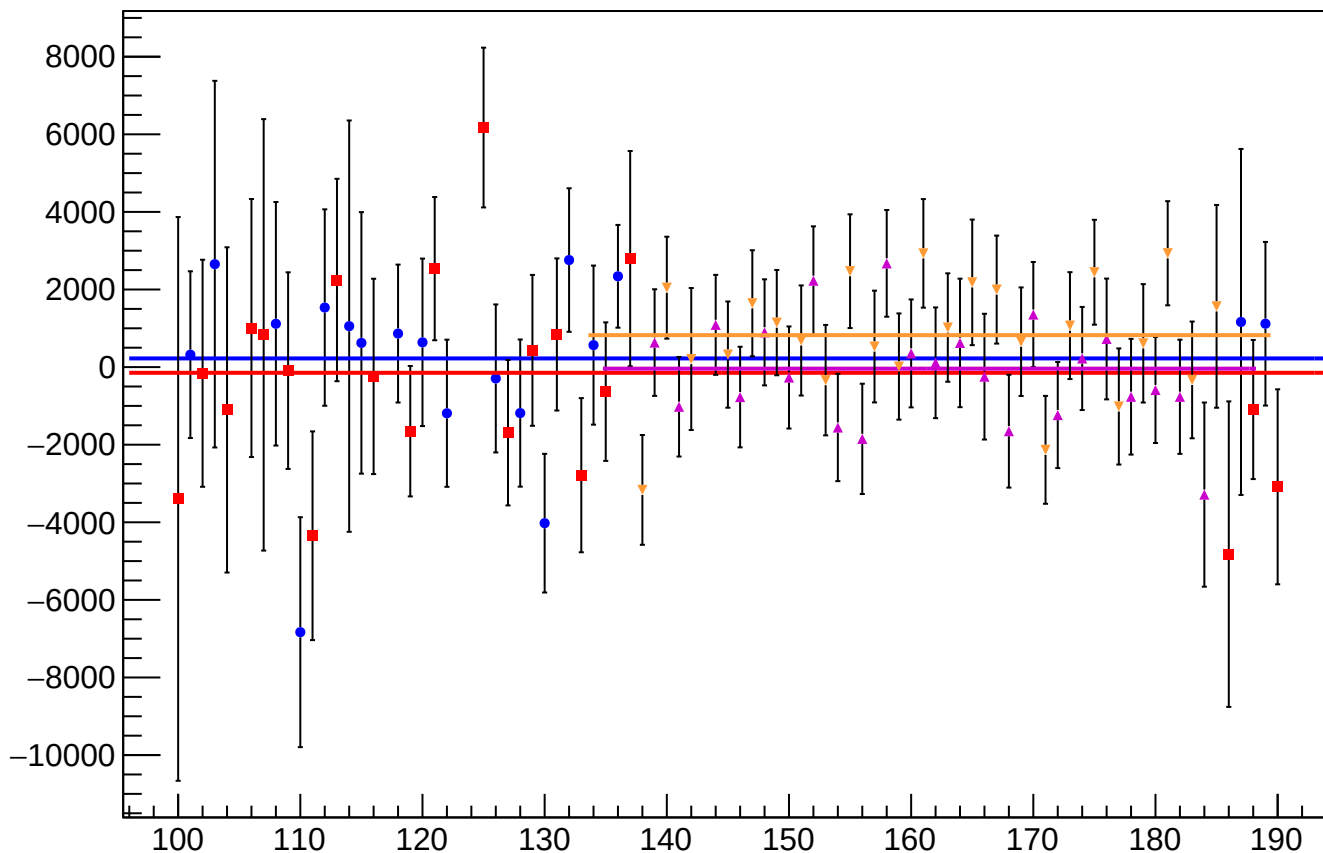
All: -300.232 ± 80.139 χ^2/NDF : 129.8/85

- sign -154.249 ± 113.556 χ^2/NDF : 38.1/43

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



asym_usl_atl1_dd_mean vs Slug



Right In: 223.683+/-512.504 χ^2/NDF : 18.0/17

Left Out: 823.319+/-294.835 χ^2/NDF : 26.2/23

Right Out: -146.832+/-510.455 χ^2/NDF : 23.1/20

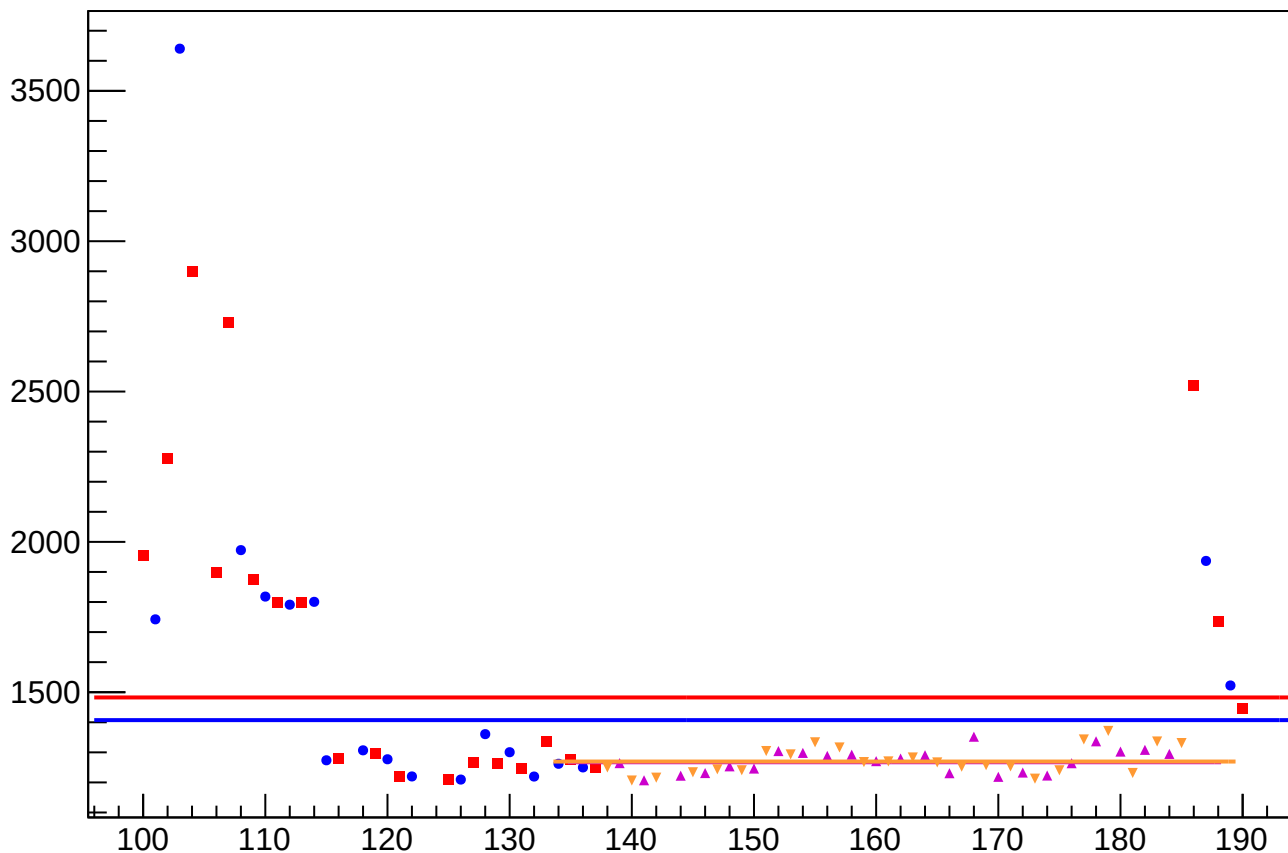
Left In: -39.696+/-296.006 χ^2/NDF : 17.9/22

+ sign 674.215+/-255.563 χ^2/NDF : 45.2/41

All: 304.509+/-180.888 χ^2/NDF : 90.4/85

- sign -66.656+/-256.067 χ^2/NDF : 41.0/43

asym_usl_atl1_dd_rms vs Slug



Right In: 1407.178+/-0.362 χ^2/NDF : 814985.4/17

Left Out: 1269.441+/-0.208 χ^2/NDF : 43040.3/23

Right Out: 1482.594+/-0.361 χ^2/NDF : 1046177.2/20

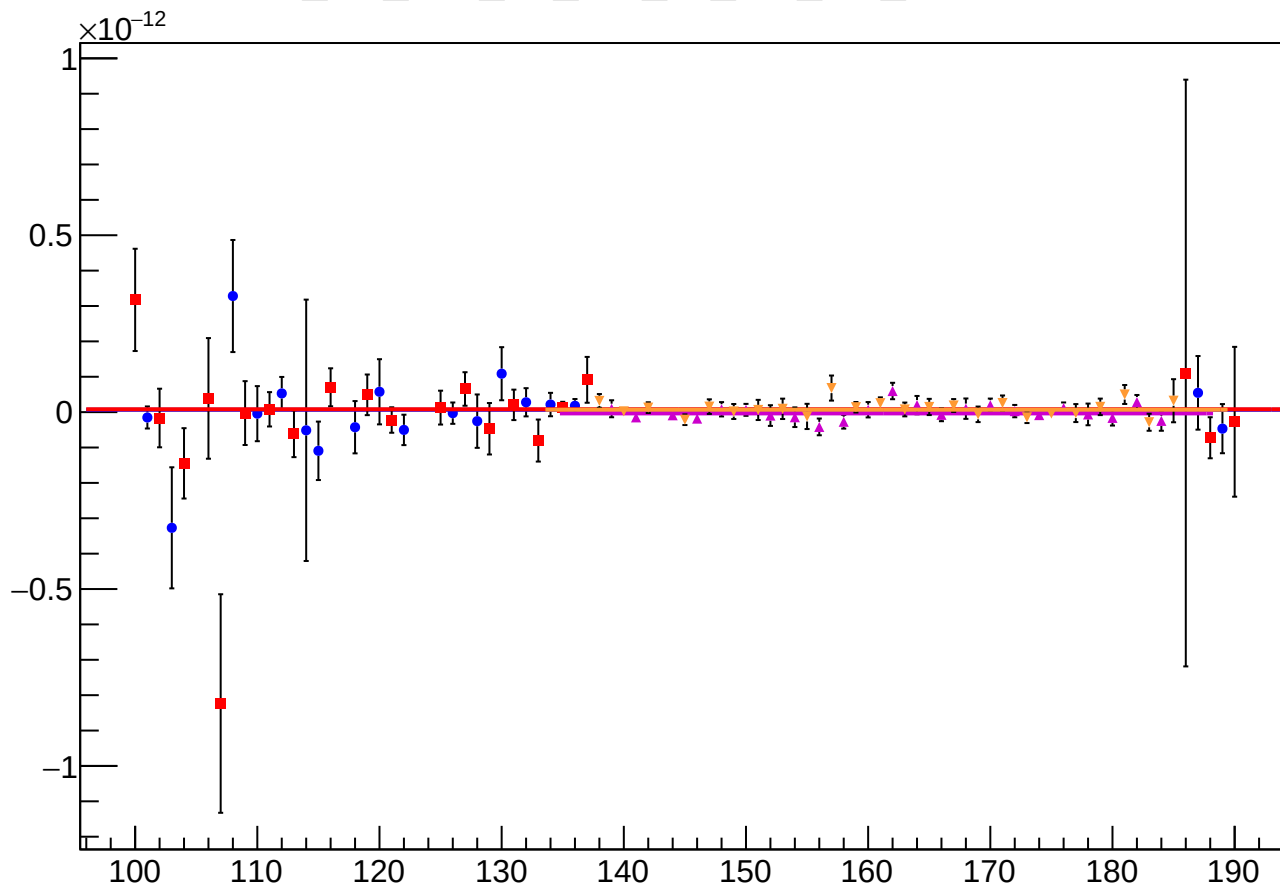
Left In: 1267.066+/-0.209 χ^2/NDF : 34547.0/22

+ sign 1303.690+/-0.181 χ^2/NDF : 966563.0/41

All: 1312.479+/-0.128 χ^2/NDF : 2318854.1/85

- sign 1321.303+/-0.181 χ^2/NDF : 1347550.8/43

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 17.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 19.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 26.1/20

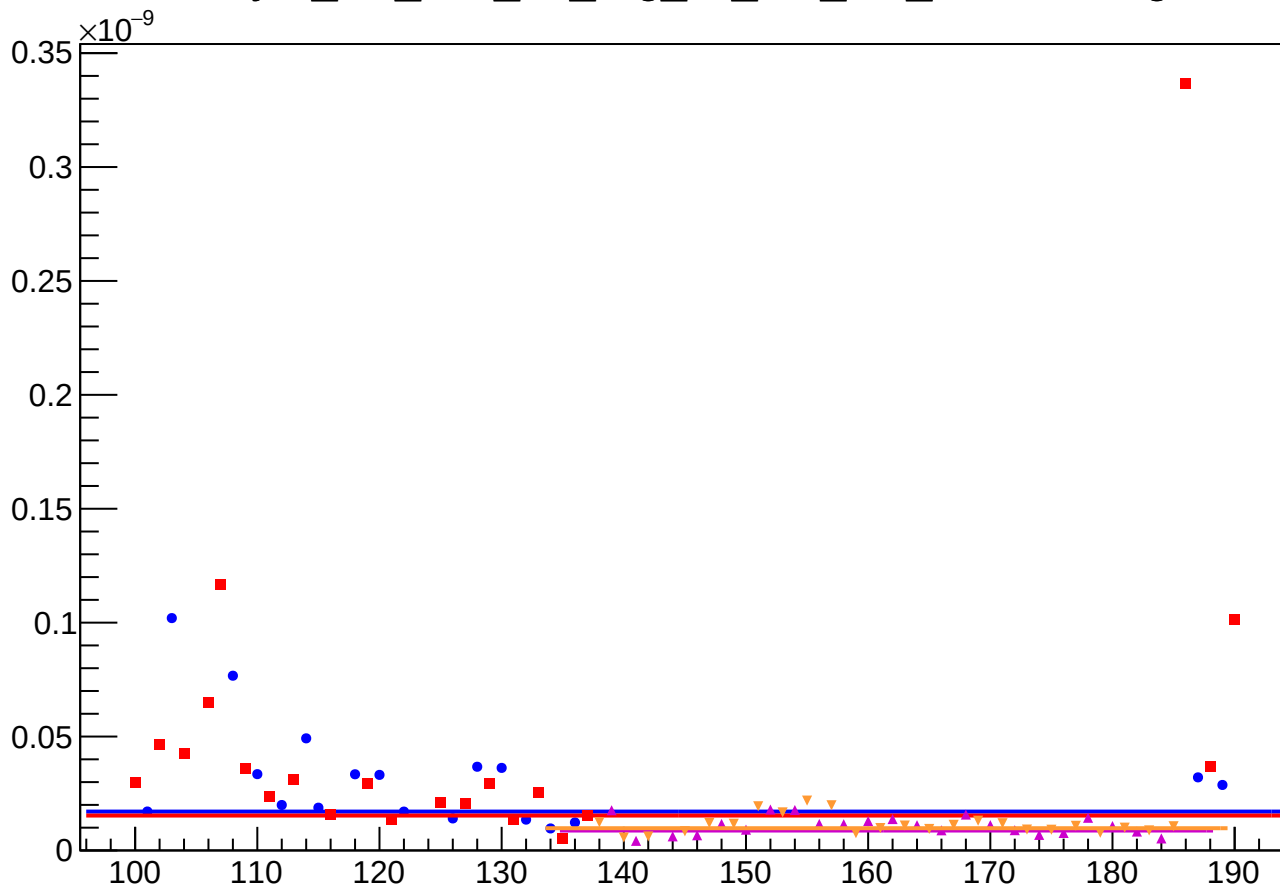
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 23.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 37.5/41

All: 0.000 $\pm$ 0.000 χ^2/NDF : 90.9/85

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 50.2/43

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1674806.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3177510.7/20

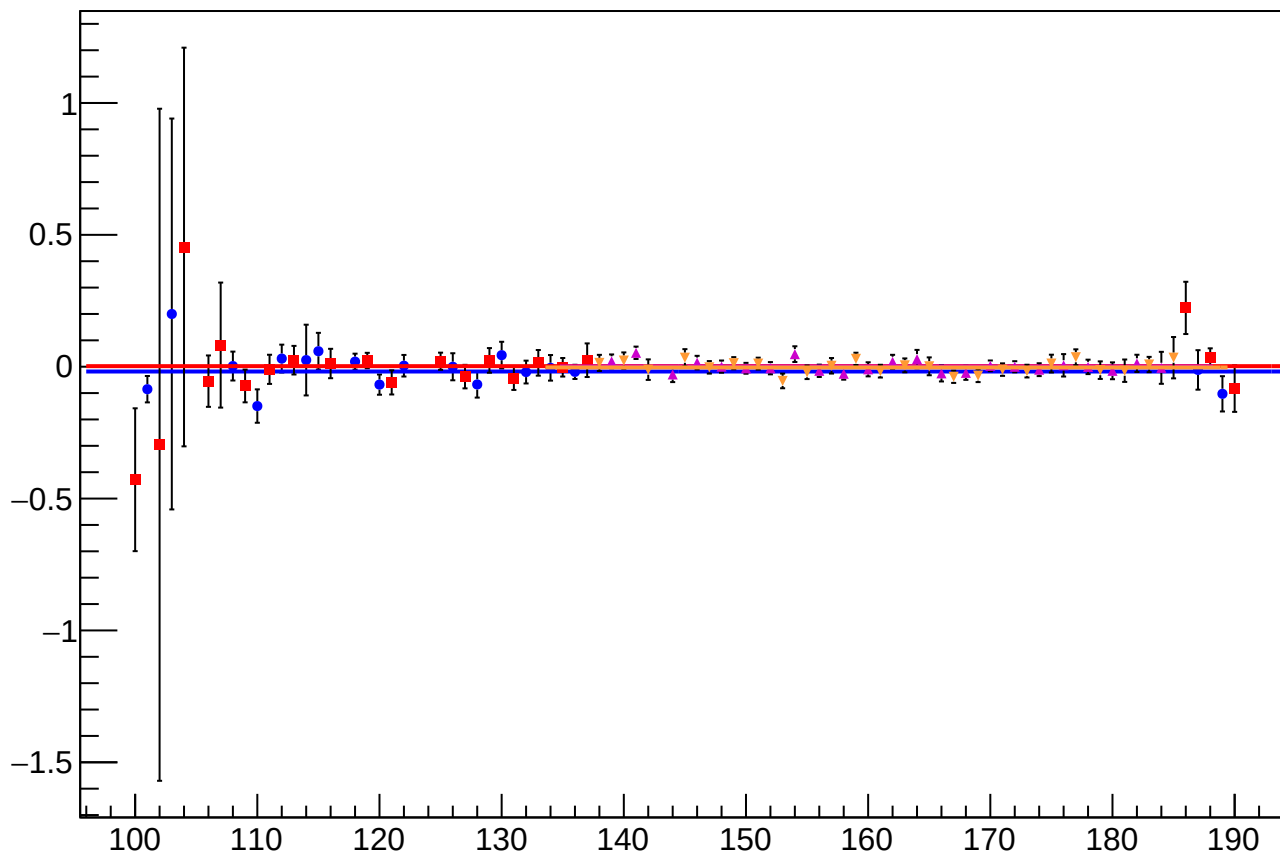
Left In: 0.000+/-0.000 χ^2/NDF : 1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 3870702.6/41

All: 0.000+/-0.000 χ^2/NDF : 9785928.3/85

- sign 0.000+/-0.000 χ^2/NDF : 5812678.2/43

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018 ± 0.011 χ^2/NDF : 16.3/17

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: 0.002 ± 0.011 χ^2/NDF : 16.7/20

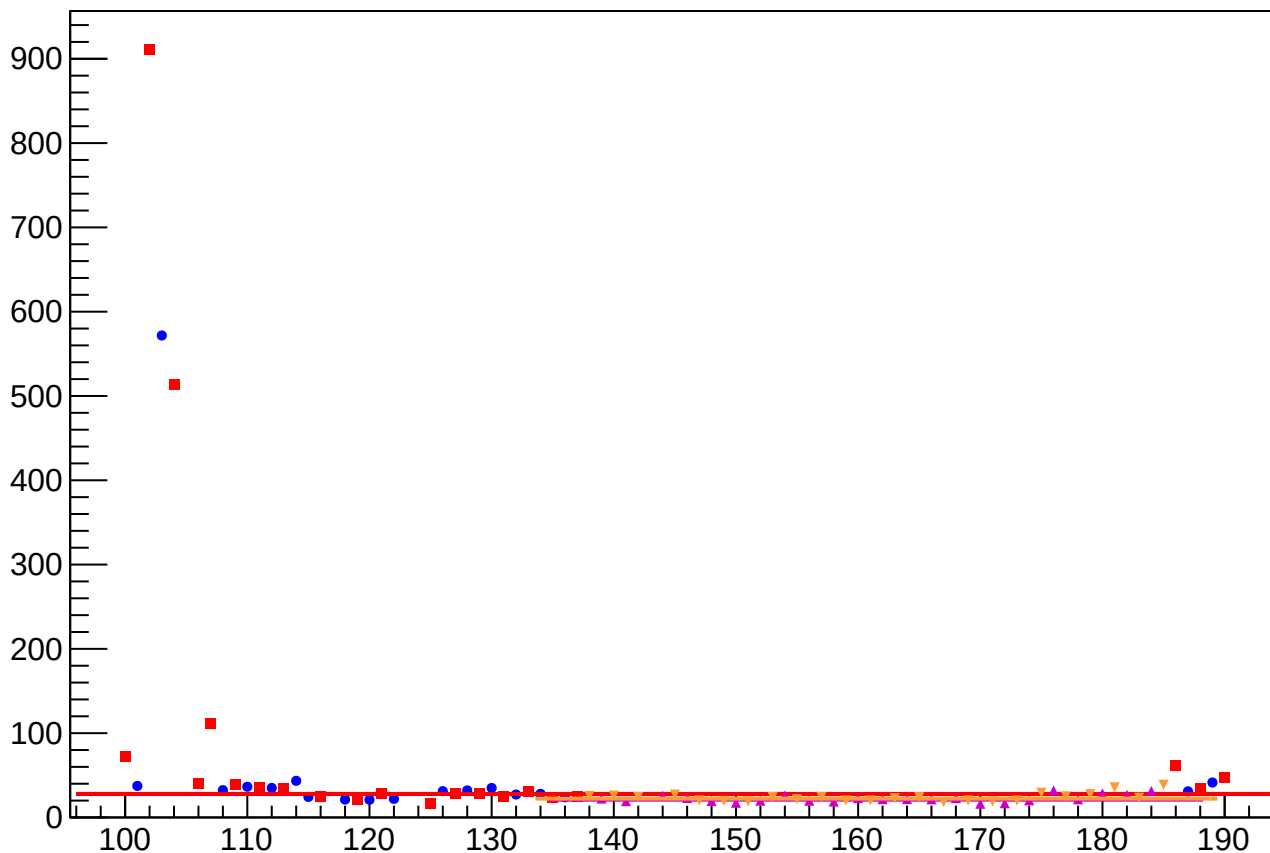
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.006 ± 0.005 χ^2/NDF : 34.1/41

All: -0.002 ± 0.004 χ^2/NDF : 66.6/85

- sign 0.001 ± 0.005 χ^2/NDF : 31.6/43

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.789+/-0.008 χ^2/NDF : 1658968.0/17

Left Out: 22.355+/-0.004 χ^2/NDF : 816073.4/23

Right Out: 27.929+/-0.008 χ^2/NDF : 3036134.2/20

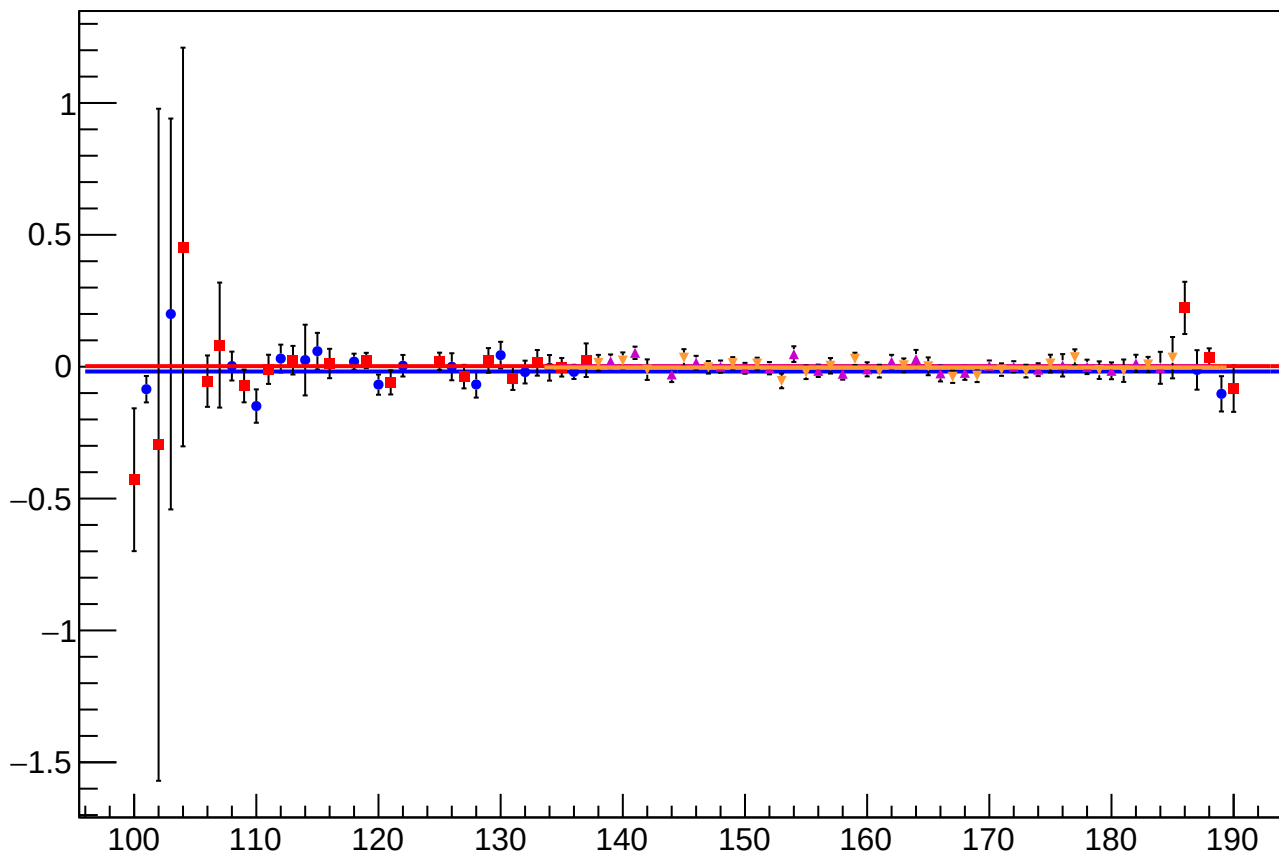
Left In: 21.099+/-0.004 χ^2/NDF : 819255.8/22

+ sign 23.458+/-0.004 χ^2/NDF : 2846144.9/41

All: 22.914+/-0.002 χ^2/NDF : 7342274.5/85

- sign 22.403+/-0.003 χ^2/NDF : 4451488.0/43

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.018 ± 0.011 χ^2/NDF : 16.3/17

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: 0.002 ± 0.011 χ^2/NDF : 16.7/20

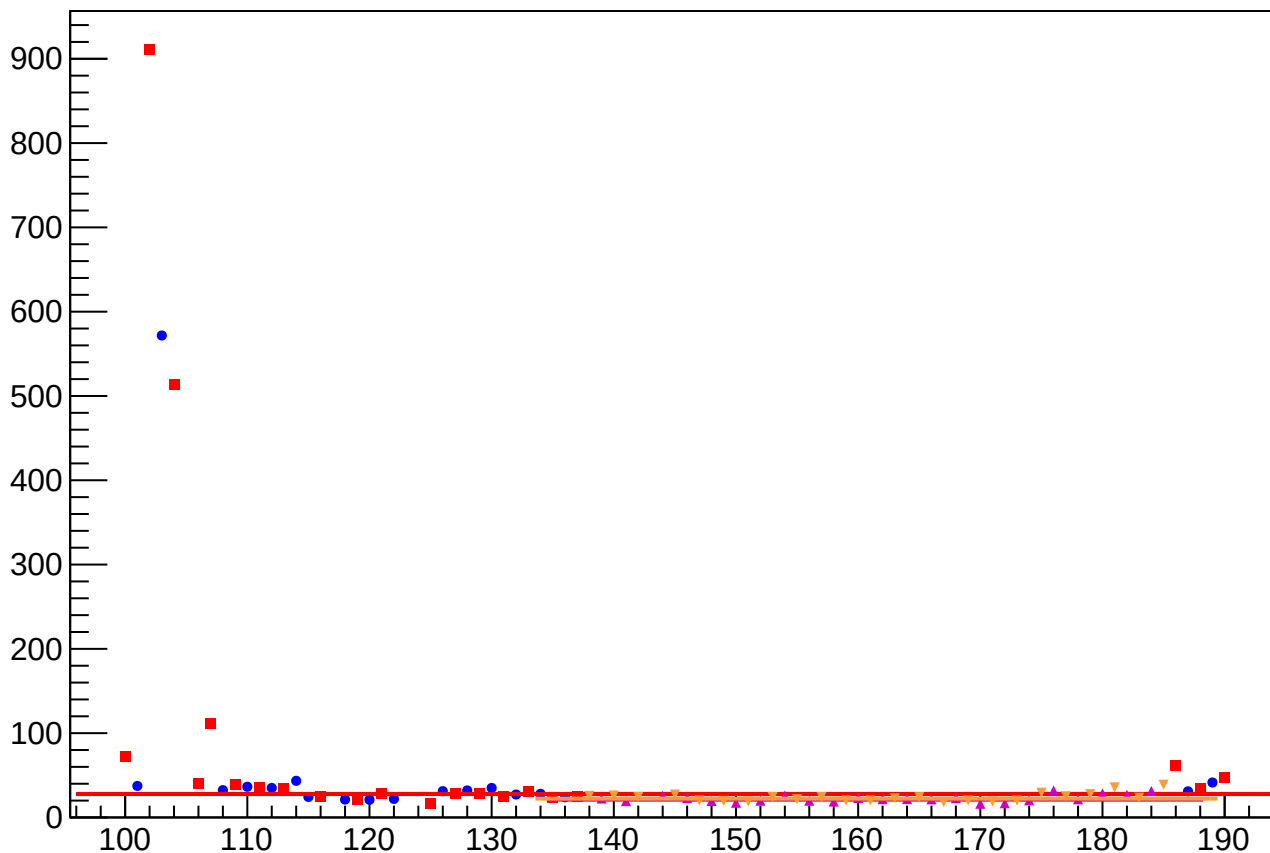
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.006 ± 0.005 χ^2/NDF : 34.1/41

All: -0.002 ± 0.004 χ^2/NDF : 66.6/85

- sign 0.001 ± 0.005 χ^2/NDF : 31.6/43

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.789+/-0.008 χ^2/NDF : 1658968.0/17

Left Out: 22.355+/-0.004 χ^2/NDF : 816073.4/23

Right Out: 27.929+/-0.008 χ^2/NDF : 3036134.2/20

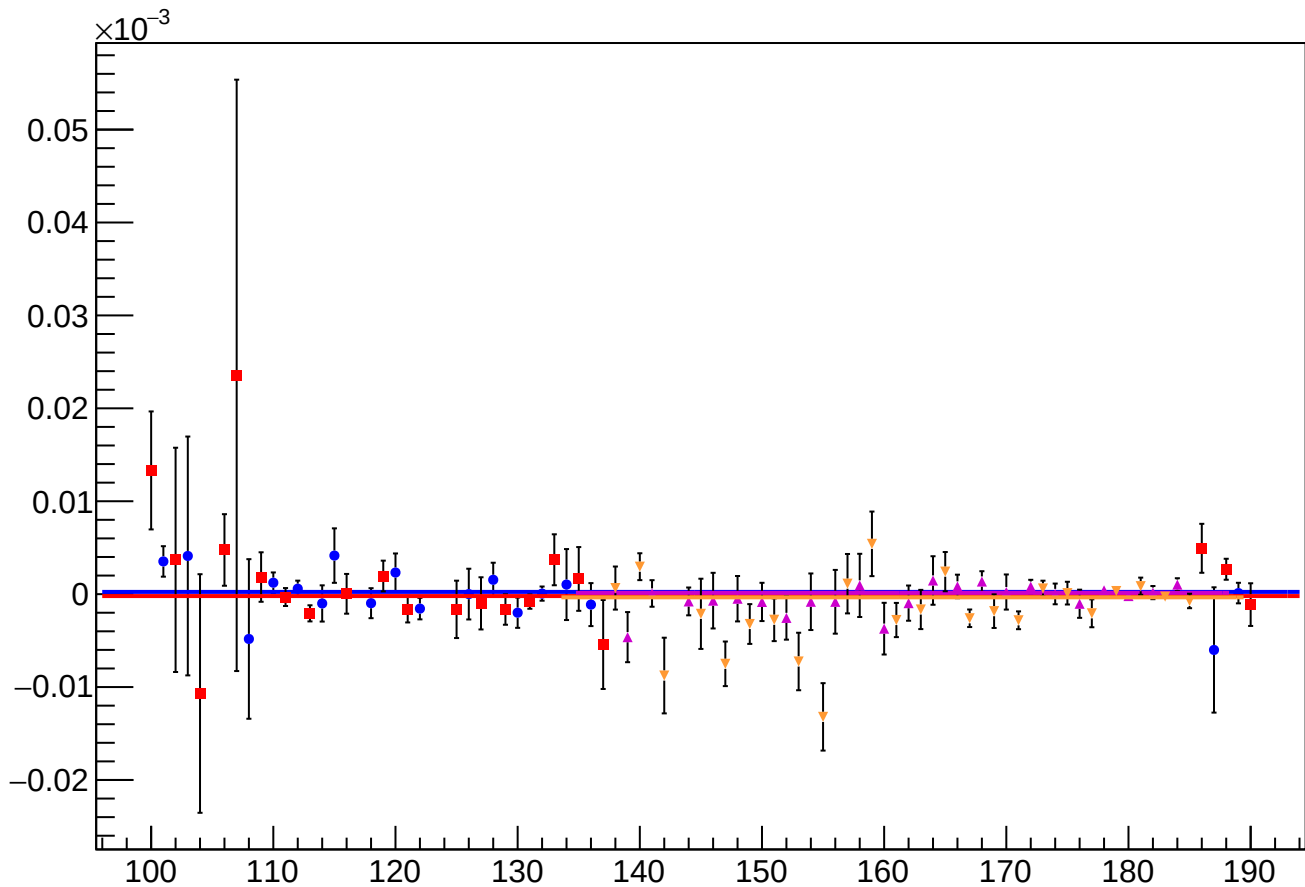
Left In: 21.099+/-0.004 χ^2/NDF : 819255.8/22

+ sign 23.458+/-0.004 χ^2/NDF : 2846144.9/41

All: 22.914+/-0.002 χ^2/NDF : 7342274.5/85

- sign 22.403+/-0.003 χ^2/NDF : 4451488.0/43

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 68.1/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 31.1/20

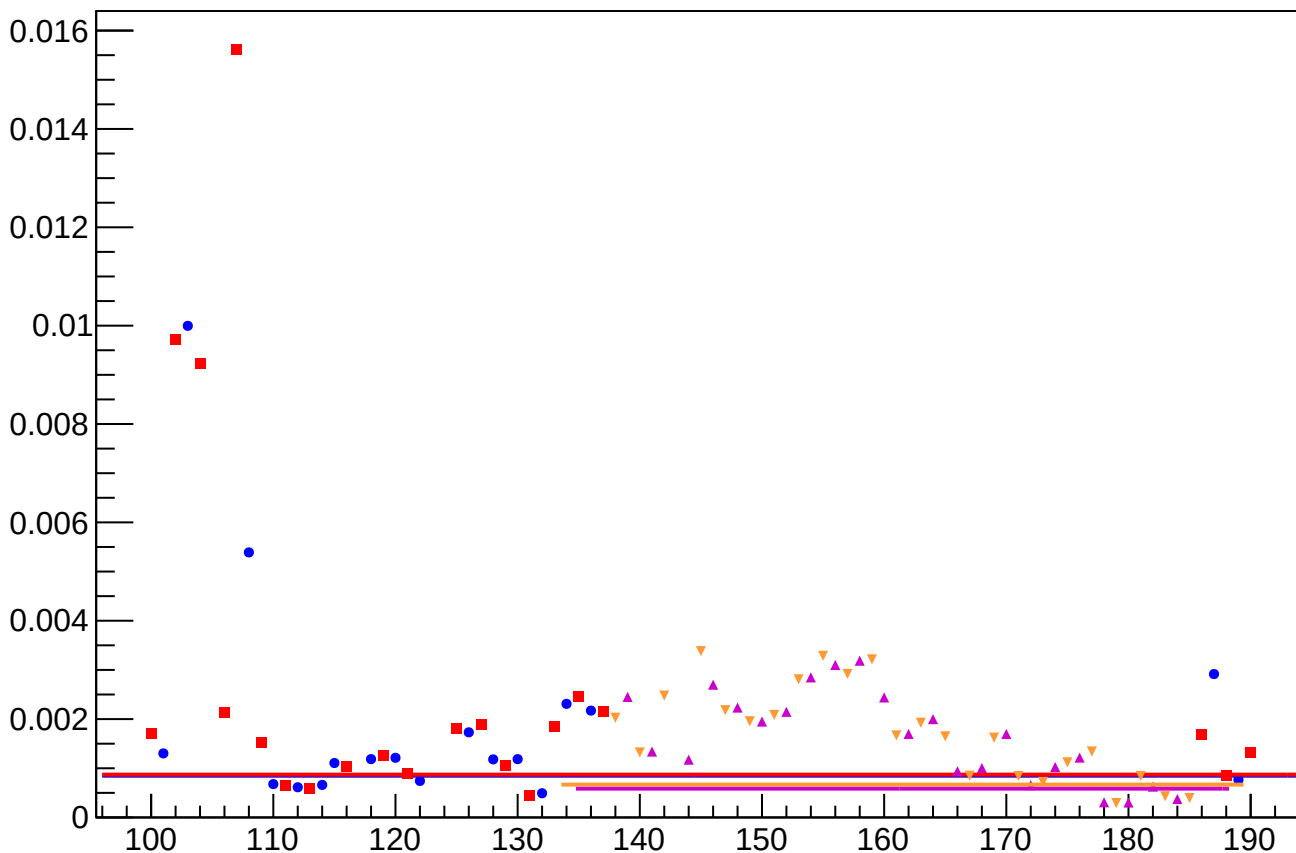
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 85.4/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 132.6/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 46.0/43

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 4063818.9/17

Left Out: 0.001+/-0.000 χ^2/NDF :15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF : 5320434.9/20

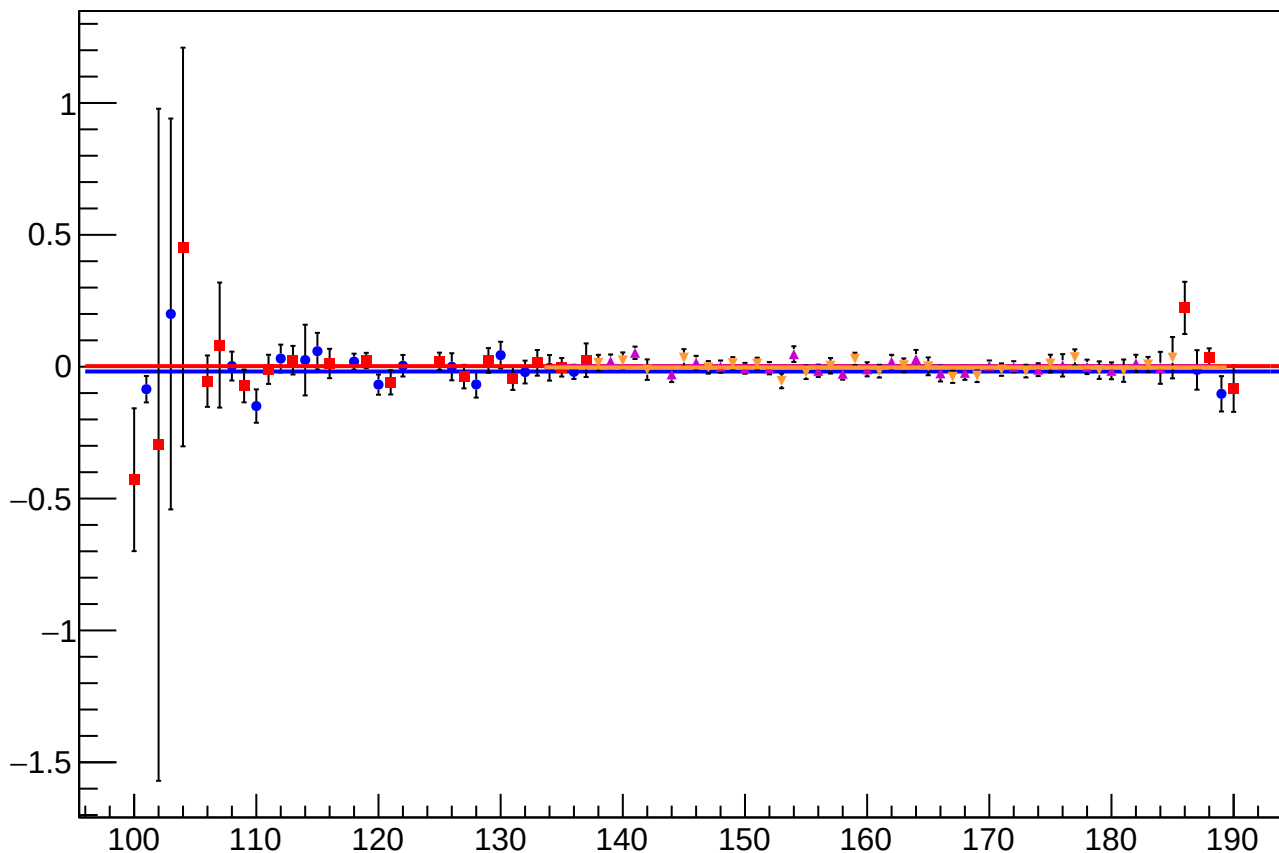
Left In: 0.001+/-0.000 χ^2/NDF :15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF : 19829814.4/41

All: 0.001+/-0.000 χ^2/NDF : 41923328.4/85

- sign 0.001+/-0.000 χ^2/NDF : 21933248.2/43

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.018 ± 0.011 χ^2/NDF : 16.3/17

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: 0.002 ± 0.011 χ^2/NDF : 16.7/20

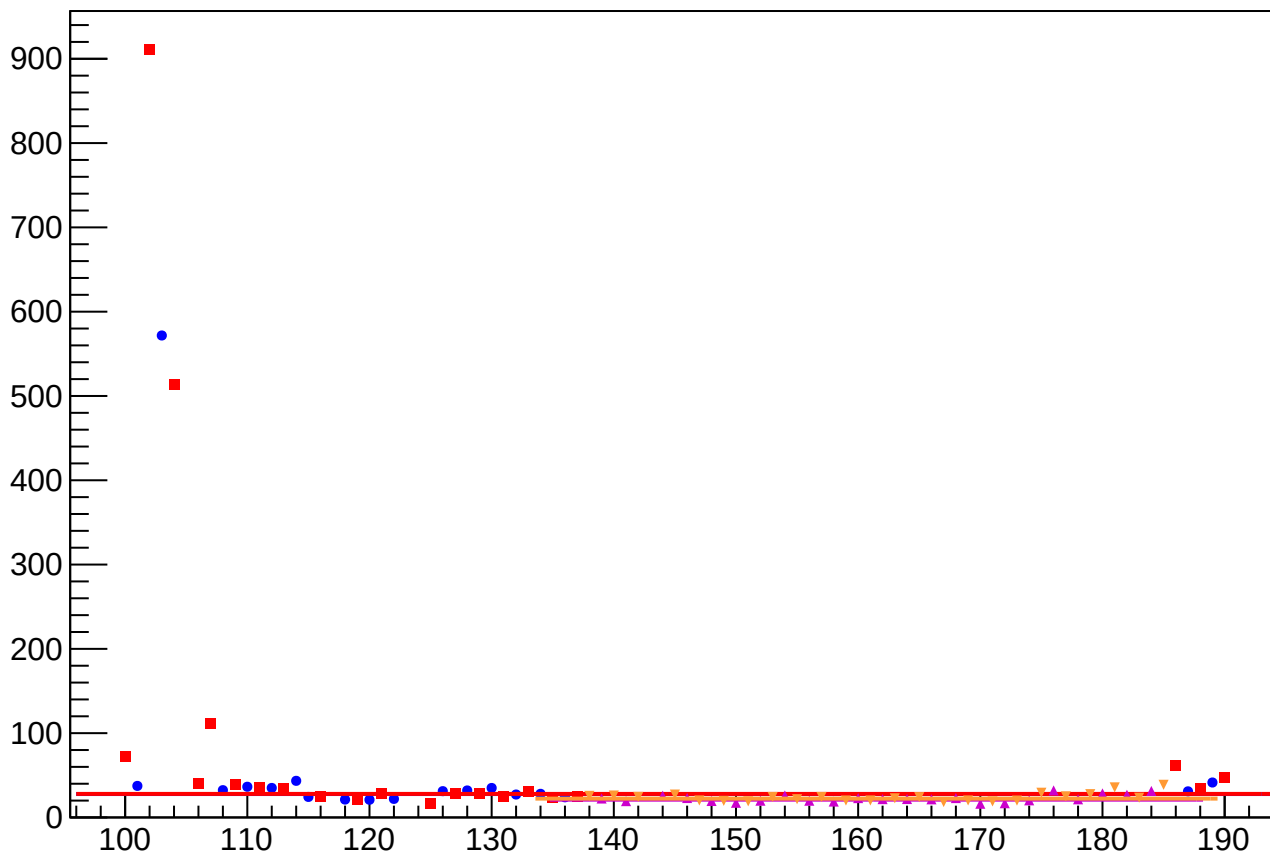
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.006 ± 0.005 χ^2/NDF : 34.1/41

All: -0.002 ± 0.004 χ^2/NDF : 66.6/85

- sign 0.001 ± 0.005 χ^2/NDF : 31.6/43

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.789 $\pm$ 0.008 χ^2 /NDF: 1658961.6/17

Left Out: 22.355 $\pm$ 0.004 χ^2 /NDF: 816044.6/23

Right Out: 27.929 $\pm$ 0.008 χ^2 /NDF: 3036139.8/20

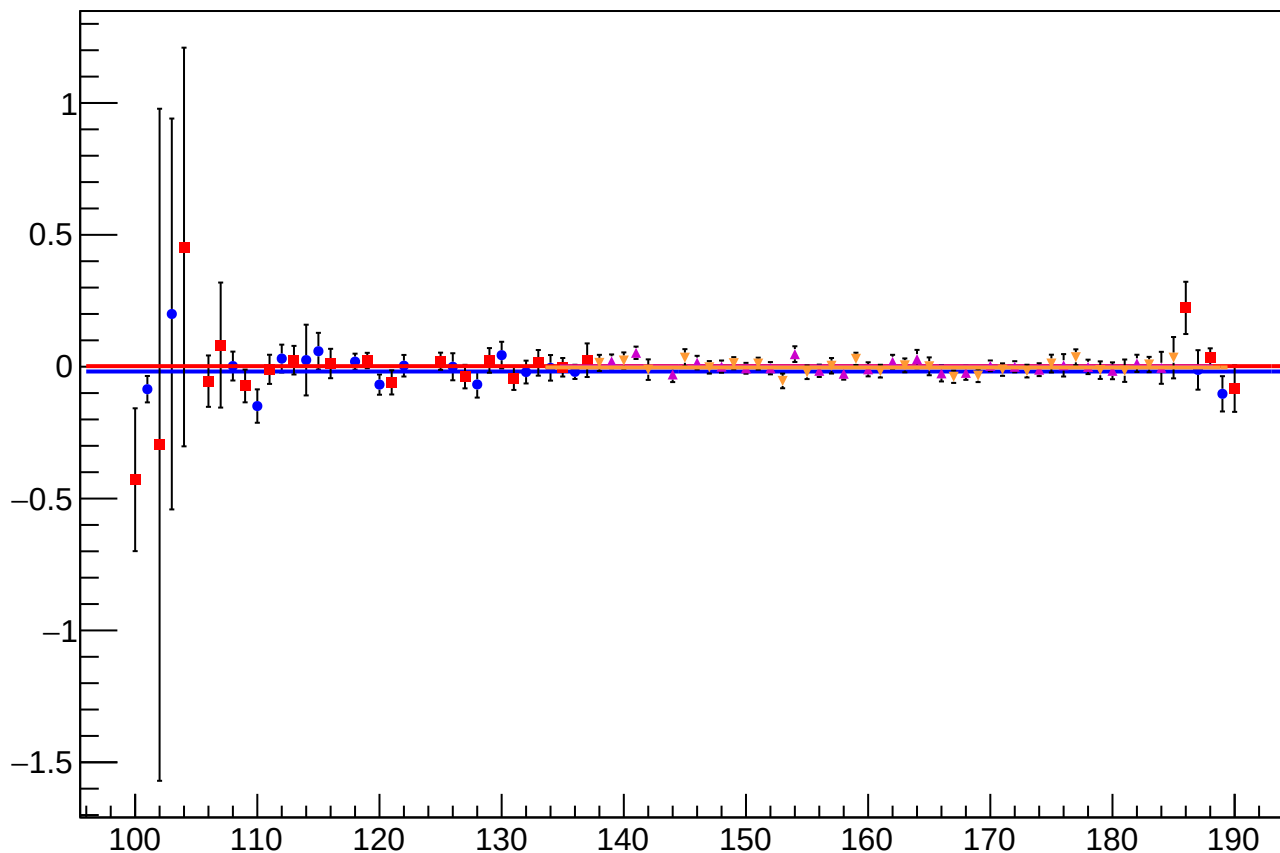
Left In: 21.099 $\pm$ 0.004 χ^2 /NDF: 819268.9/22

+ sign 23.458 $\pm$ 0.004 χ^2 /NDF: 2846112.0/41

All: 22.914 $\pm$ 0.002 χ^2 /NDF: 7342253.3/85

- sign 22.403 $\pm$ 0.003 χ^2 /NDF: 4451501.0/43

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.018 ± 0.011 χ^2/NDF : 16.3/17

Left Out: -0.003 ± 0.006 χ^2/NDF : 16.3/23

Right Out: 0.002 ± 0.011 χ^2/NDF : 16.7/20

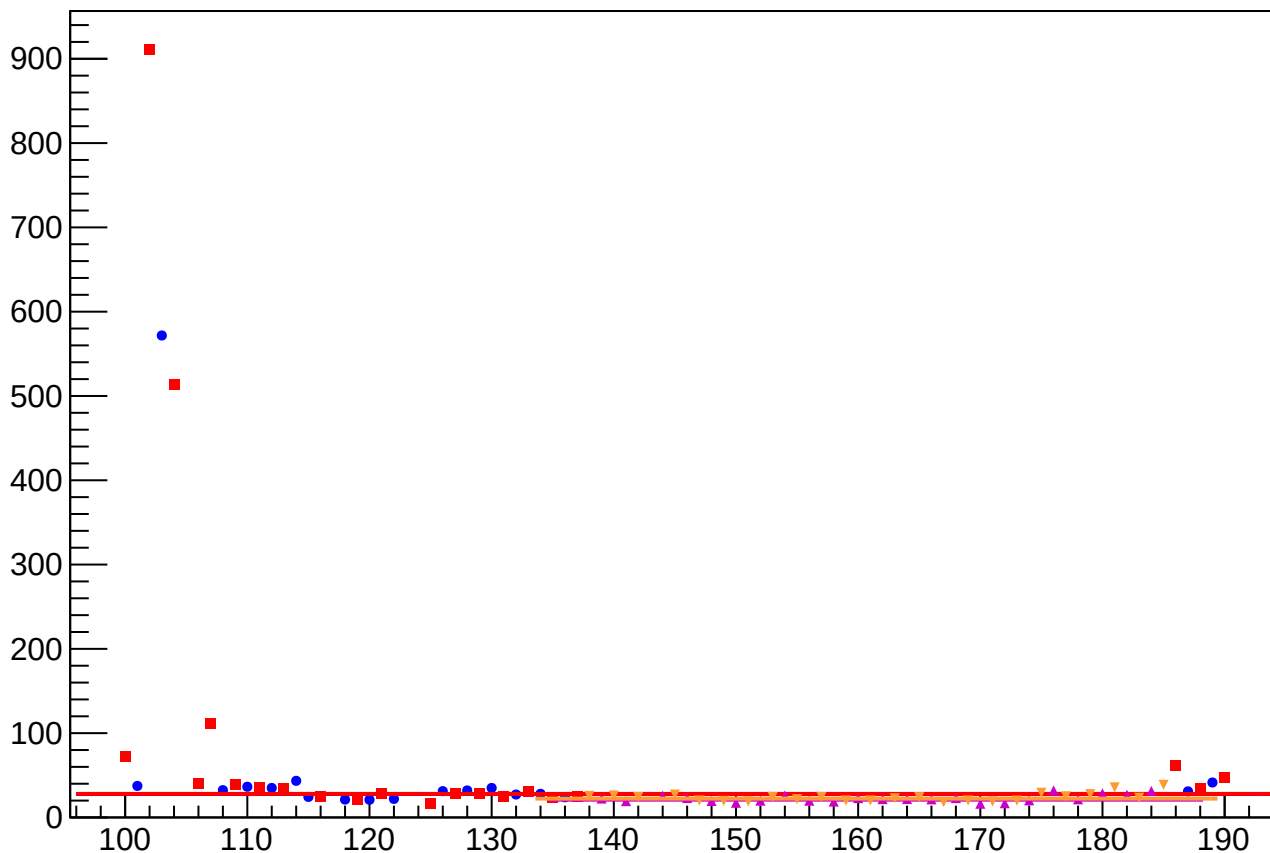
Left In: 0.001 ± 0.005 χ^2/NDF : 14.9/22

+ sign -0.006 ± 0.005 χ^2/NDF : 34.1/41

All: -0.002 ± 0.004 χ^2/NDF : 66.6/85

- sign 0.001 ± 0.005 χ^2/NDF : 31.6/43

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.789 $\pm$ 0.008 χ^2 /NDF: 1658961.6/17

Left Out: 22.355 $\pm$ 0.004 χ^2 /NDF: 816044.6/23

Right Out: 27.929 $\pm$ 0.008 χ^2 /NDF: 3036139.8/20

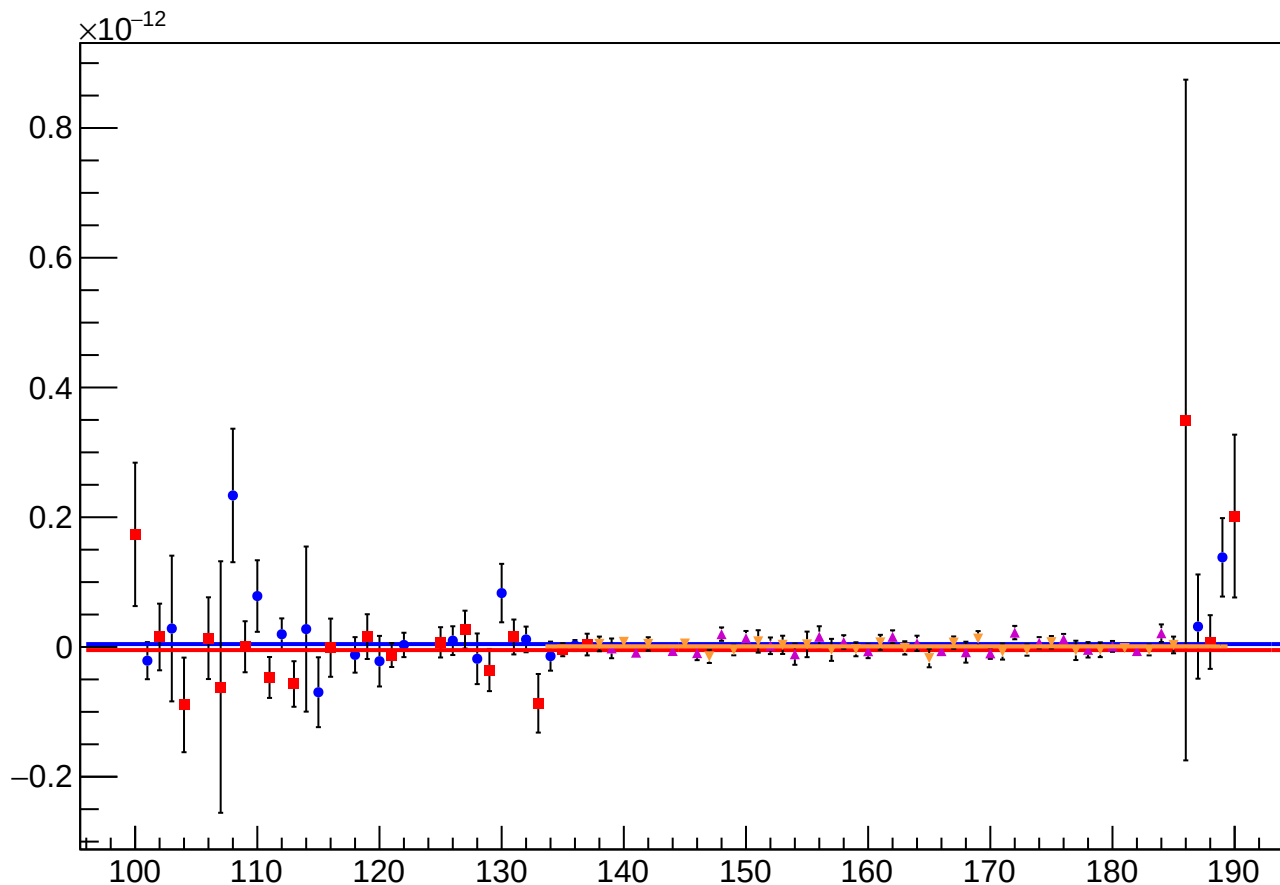
Left In: 21.099 $\pm$ 0.004 χ^2 /NDF: 819268.9/22

+ sign 23.458 $\pm$ 0.004 χ^2 /NDF: 2846112.0/41

All: 22.914 $\pm$ 0.002 χ^2 /NDF: 7342253.3/85

- sign 22.403 $\pm$ 0.003 χ^2 /NDF: 4451501.0/43

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:11.6/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.5/20

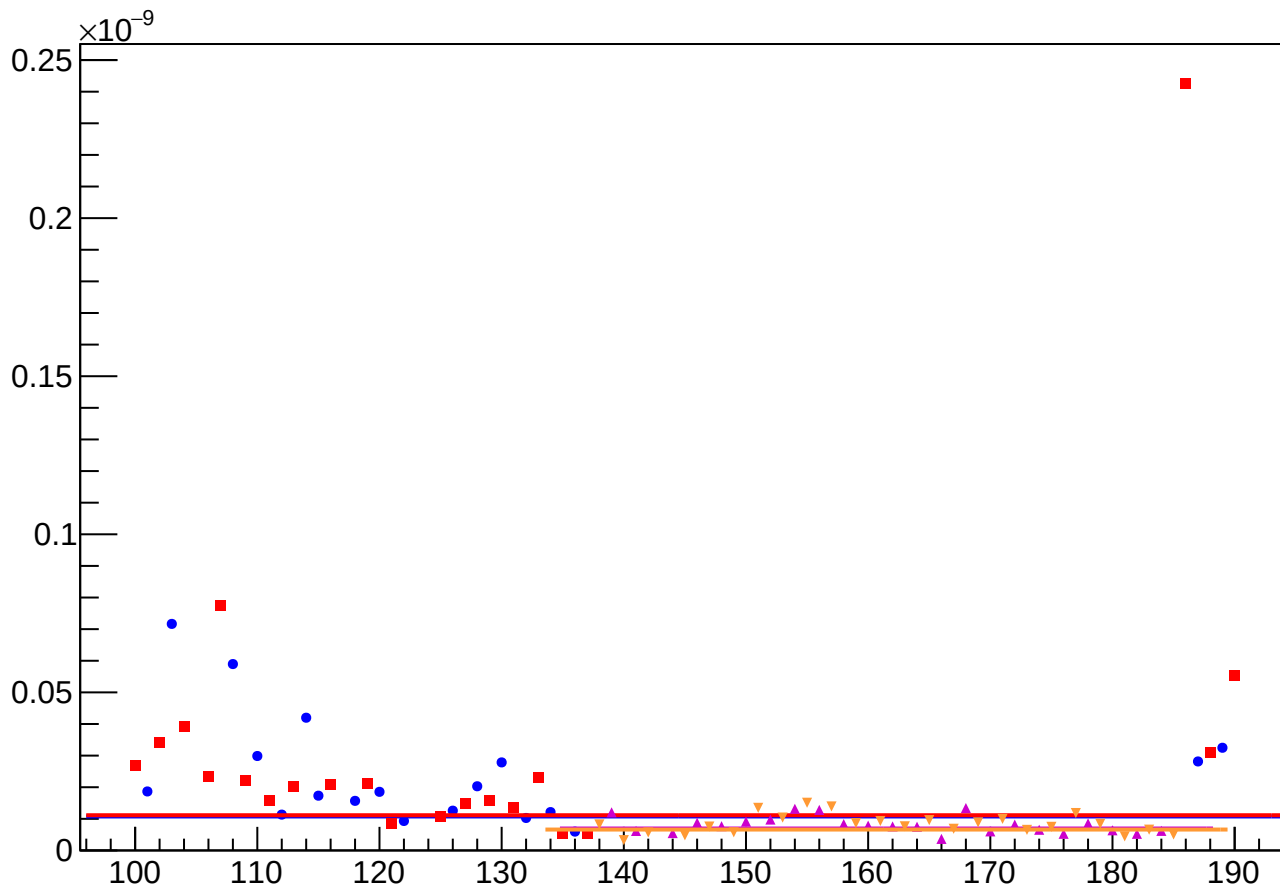
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:25.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.0/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 77.3/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.2/43

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3152043.3/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3457171.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3887573.1/20

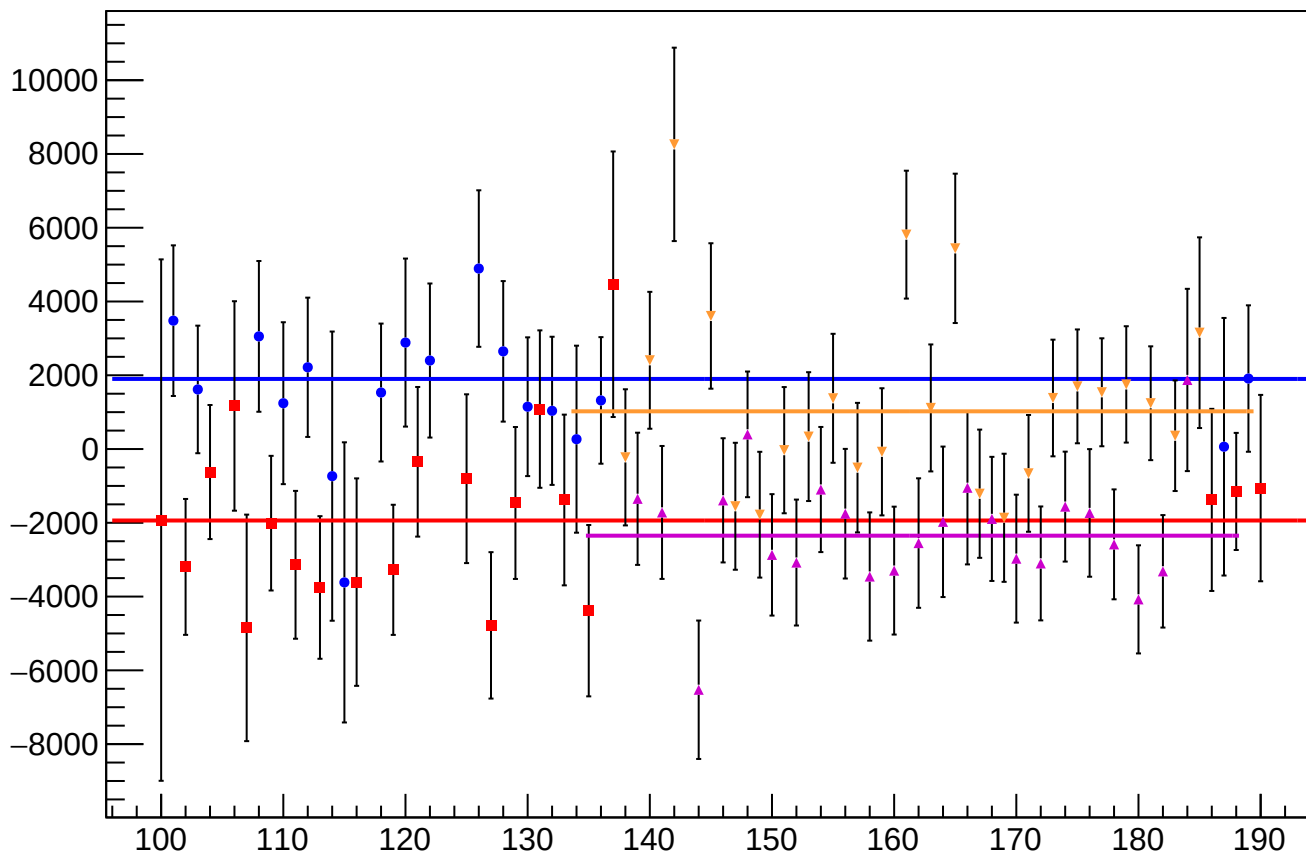
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2315472.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7548350.2/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 14654251.9/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7078826.1/43

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1900.604 $\pm$ 499.795 χ^2 /NDF: 7.2/17

Left Out: 1022.603 $\pm$ 353.459 χ^2 /NDF:36.4/23

Right Out: -1937.640 $\pm$ 475.560 χ^2 /NDF: 15.0/20

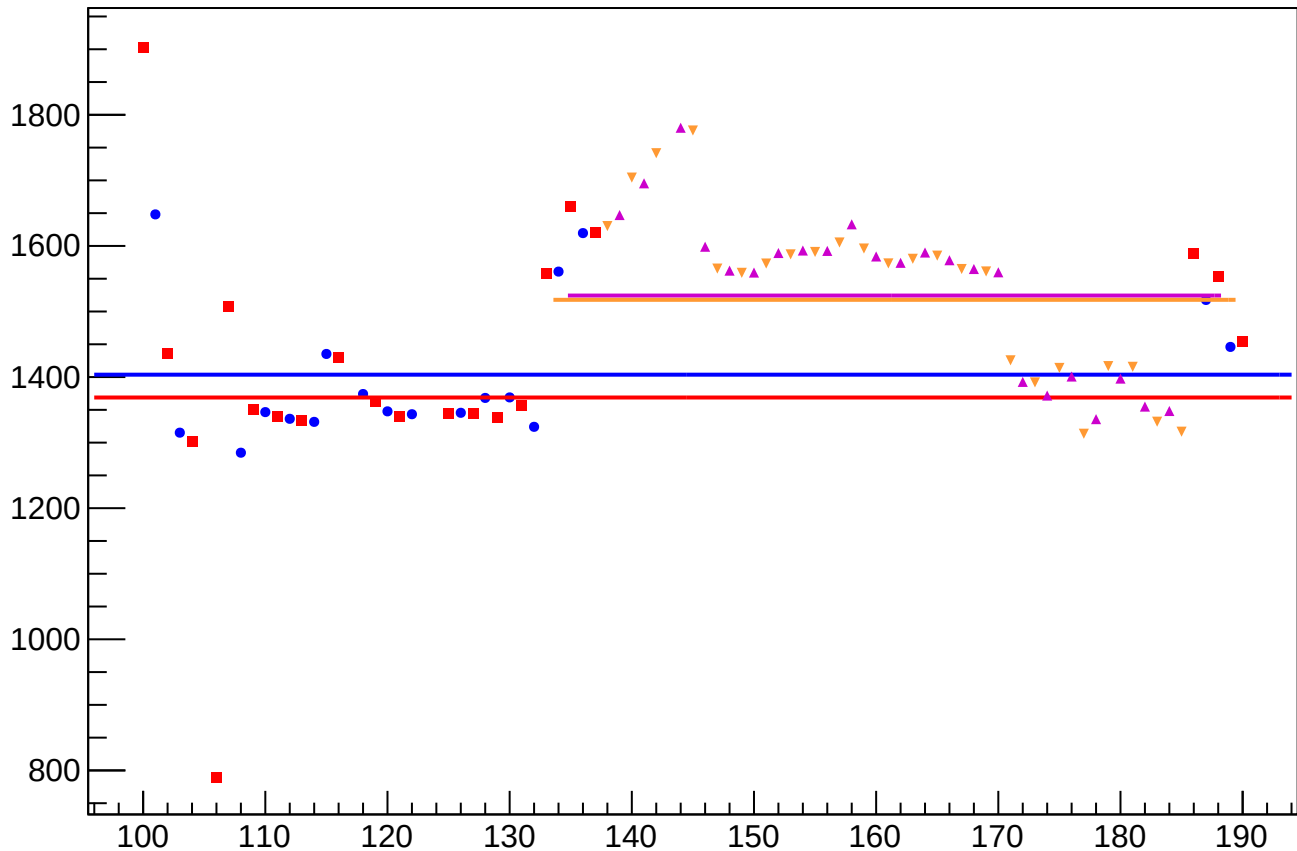
Left In: -2349.189 $\pm$ 357.068 χ^2 /NDF:16.0/22

+ sign 1315.326 $\pm$ 288.584 χ^2 /NDF: 45.7/41

All: -461.393 $\pm$ 202.975 χ^2 /NDF: 152.1/85

- sign -2200.820 $\pm$ 285.540 χ^2 /NDF: 31.4/43

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1403.640 ± 0.353 $\chi^2/\text{NDF}: 97185.2/17$

Left Out: 1517.815 ± 0.250 $\chi^2/\text{NDF}: 233957.9/23$

Right Out: 1368.817 ± 0.327 $\chi^2/\text{NDF}: 370266.3/20$

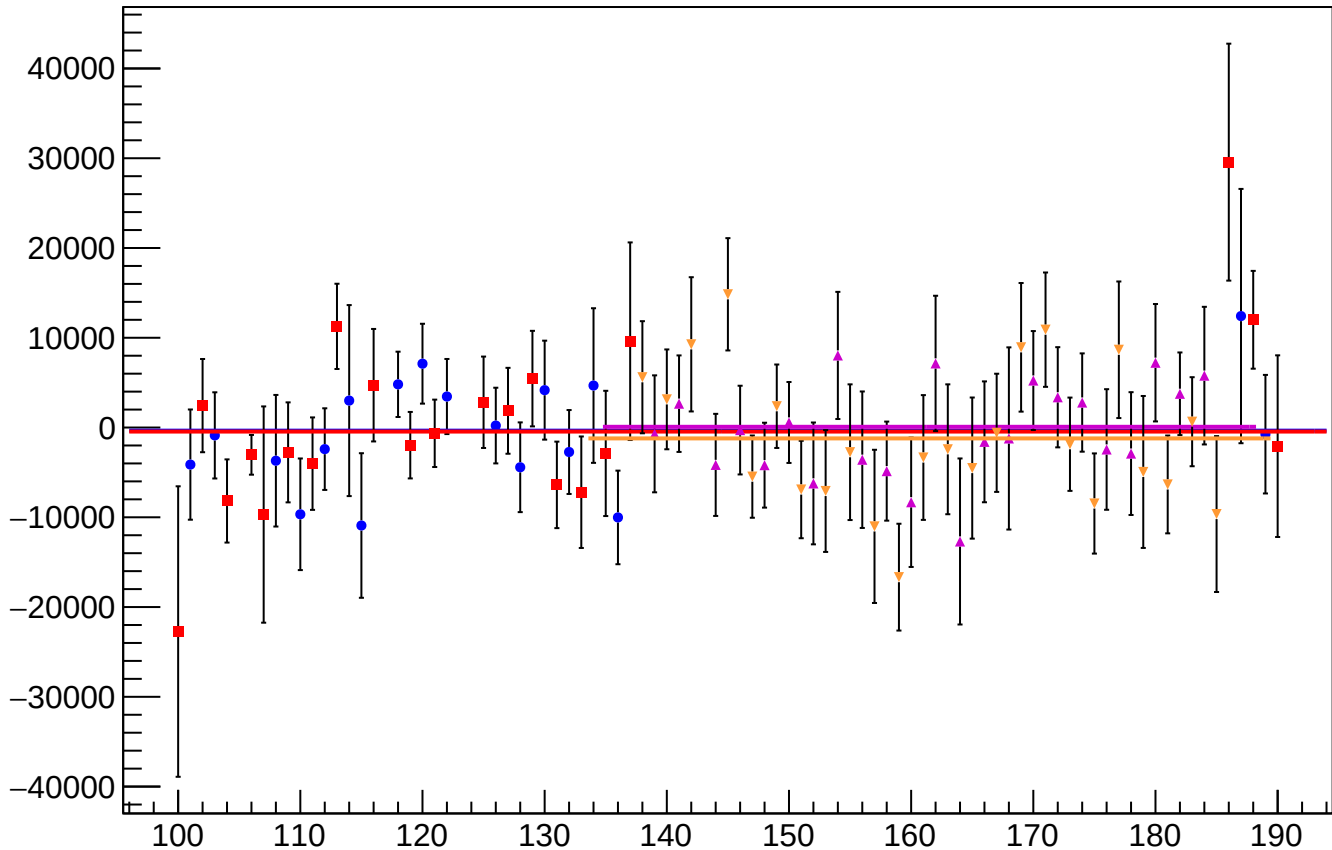
Left In: 1524.314 ± 0.252 $\chi^2/\text{NDF}: 224321.2/22$

+ sign 1479.750 ± 0.204 $\chi^2/\text{NDF}: 400718.4/41$

All: 1472.899 ± 0.143 $\chi^2/\text{NDF}: 1138969.0/85$

- sign 1466.322 ± 0.200 $\chi^2/\text{NDF}: 736041.5/43$

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -349.384 ± 1266.570 $\chi^2/\text{NDF}: 16.7/17$

Left Out: -1211.893 ± 1268.315 $\chi^2/\text{NDF}: 33.2/23$

Right Out: -449.234 ± 1086.860 $\chi^2/\text{NDF}: 30.5/20$

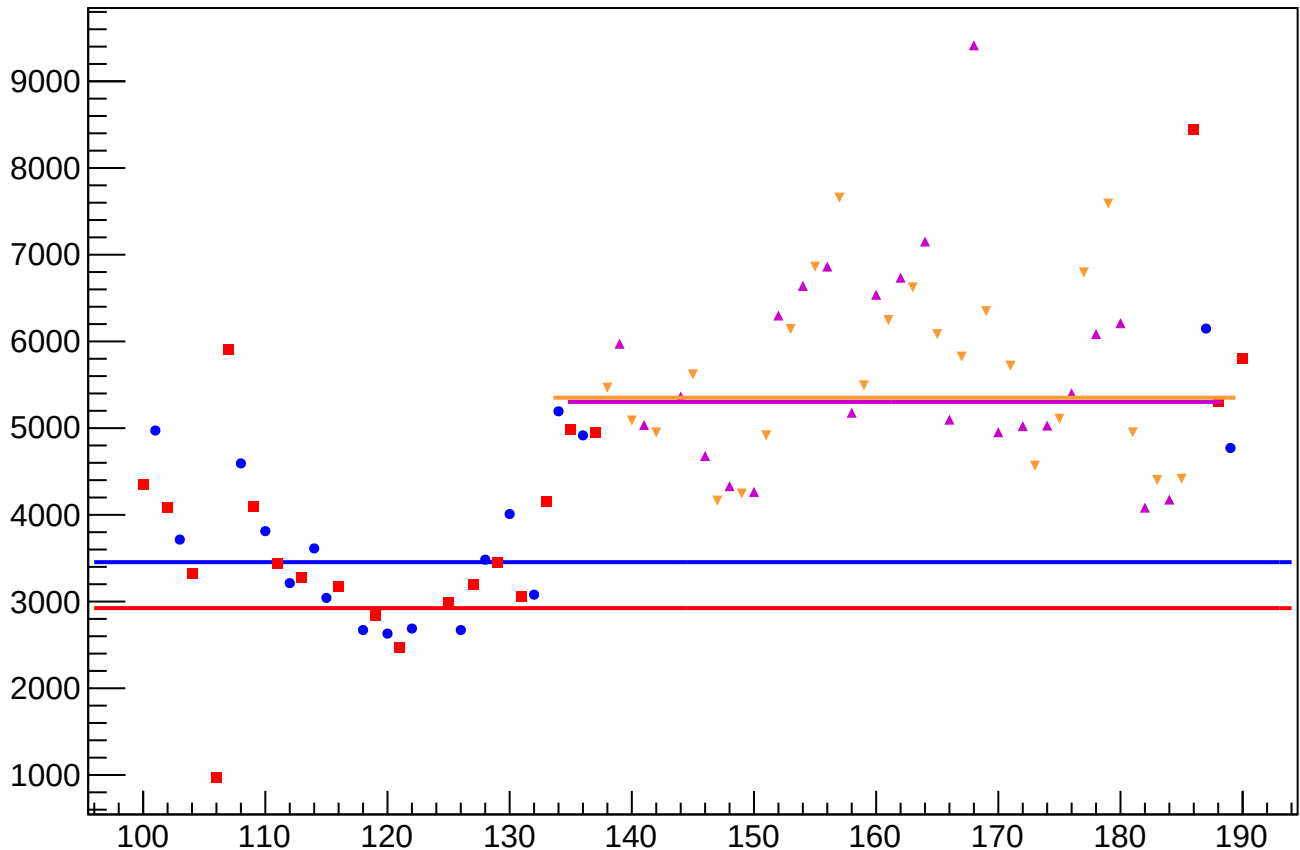
Left In: 80.780 ± 1264.327 $\chi^2/\text{NDF}: 13.2/22$

+ sign -780.045 ± 896.217 $\chi^2/\text{NDF}: 50.2/41$

All: -478.787 ± 606.658 $\chi^2/\text{NDF}: 94.2/85$

- sign -224.005 ± 824.190 $\chi^2/\text{NDF}: 43.8/43$

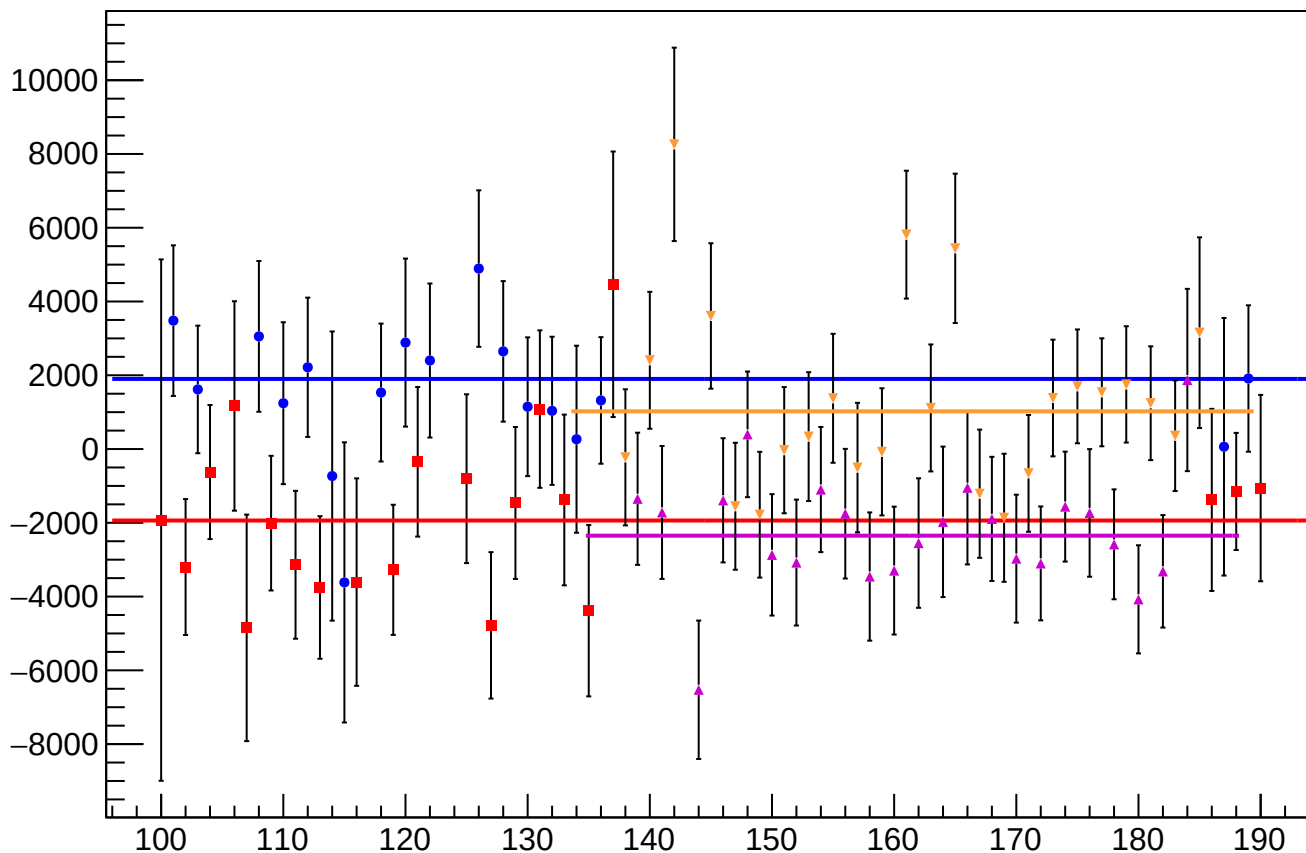
asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3454.365 $\pm$ 0.896 χ^2/NDF : 915381.8/17
 Left Out: 5351.126 $\pm$ 0.897 χ^2/NDF : 1066045.6/23
 Right Out: 2924.032 $\pm$ 0.769 χ^2/NDF : 3208154.7/20
 Left In: 5302.185 $\pm$ 0.894 χ^2/NDF : 1256309.3/22

+ sign 4401.440 $\pm$ 0.634 χ^2/NDF : 4221016.4/41
 All: 4148.522 $\pm$ 0.429 χ^2/NDF : 13048564.8/8
 - sign 3934.623 $\pm$ 0.583 χ^2/NDF : 8533560.1/43

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1900.694 ± 499.795 χ^2/NDF : 7.2/17

Left Out: 1022.634 ± 353.459 χ^2/NDF : 36.4/23

Right Out: -1937.828 ± 475.563 χ^2/NDF : 15.0/20

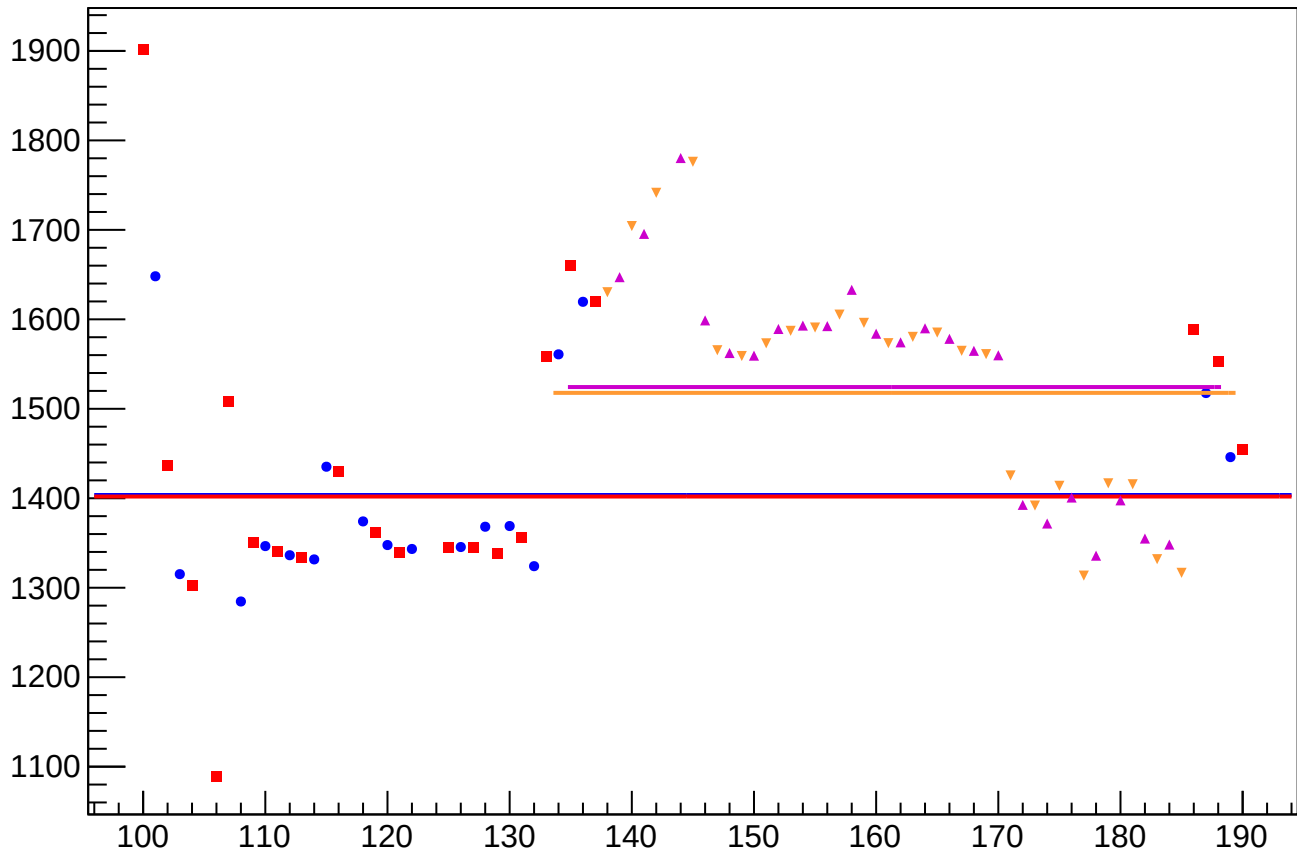
Left In: -2349.186 ± 357.068 χ^2/NDF : 16.0/22

+ sign 1315.376 ± 288.584 χ^2/NDF : 45.7/41

All: -461.399 ± 202.975 χ^2/NDF : 152.2/85

- sign -2200.887 ± 285.540 χ^2/NDF : 31.4/43

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1403.640+/-0.353 χ^2/NDF : 97185.1/17

Left Out: 1517.815+/-0.250 χ^2/NDF : 233957.9/23

Right Out: 1401.935+/-0.333 χ^2/NDF : 149425.8/20

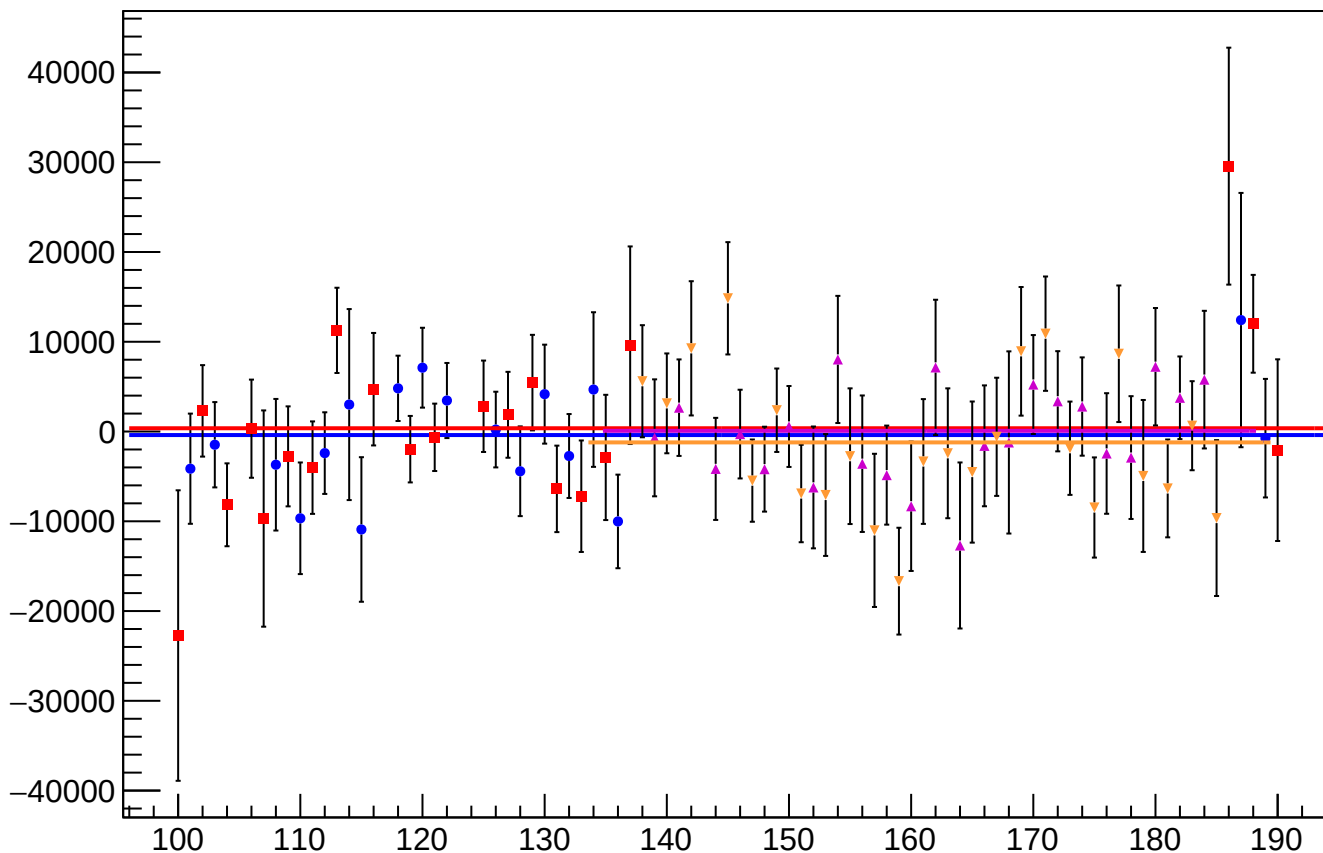
Left In: 1524.314+/-0.252 χ^2/NDF : 224321.2/22

+ sign 1479.750+/-0.204 χ^2/NDF : 400718.5/41

All: 1479.653+/-0.143 χ^2/NDF : 860381.4/85

- sign 1479.559+/-0.201 χ^2/NDF : 459662.5/43

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -392.890 ± 1265.650 $\chi^2/\text{NDF}: 16.8/17$

Left Out: -1211.889 ± 1268.316 $\chi^2/\text{NDF}: 33.2/23$

Right Out: 364.035 ± 1214.674 $\chi^2/\text{NDF}: 28.7/20$

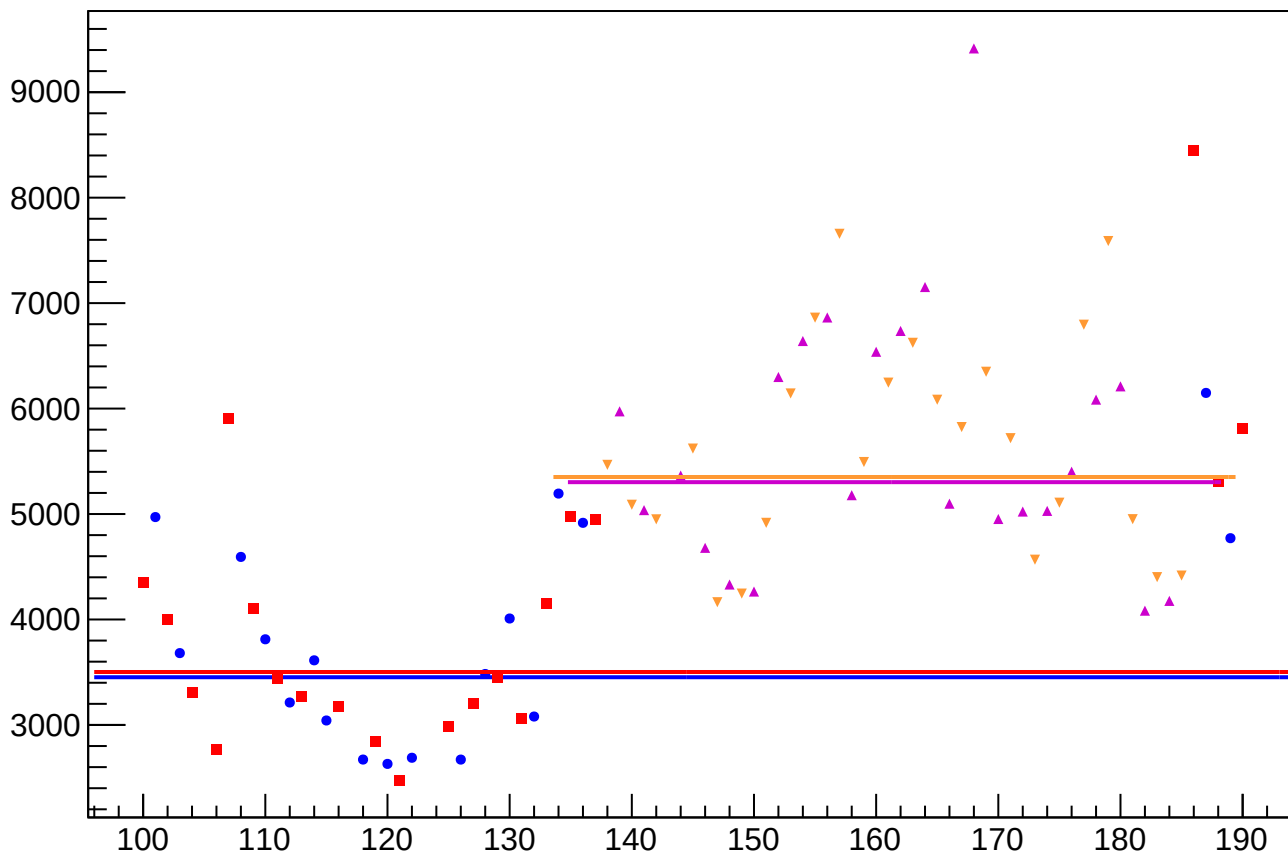
Left In: 80.689 ± 1264.325 $\chi^2/\text{NDF}: 13.2/22$

+ sign -801.527 ± 895.891 $\chi^2/\text{NDF}: 50.2/41$

All: -275.150 ± 626.314 $\chi^2/\text{NDF}: 92.8/85$

- sign 228.035 ± 875.931 $\chi^2/\text{NDF}: 41.9/43$

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3452.341+/-0.895 χ^2/NDF : 913933.8/17

Left Out: 5351.132+/-0.897 χ^2/NDF : 1066039.6/23

Right Out: 3502.036+/-0.859 χ^2/NDF : 1186890.0/20

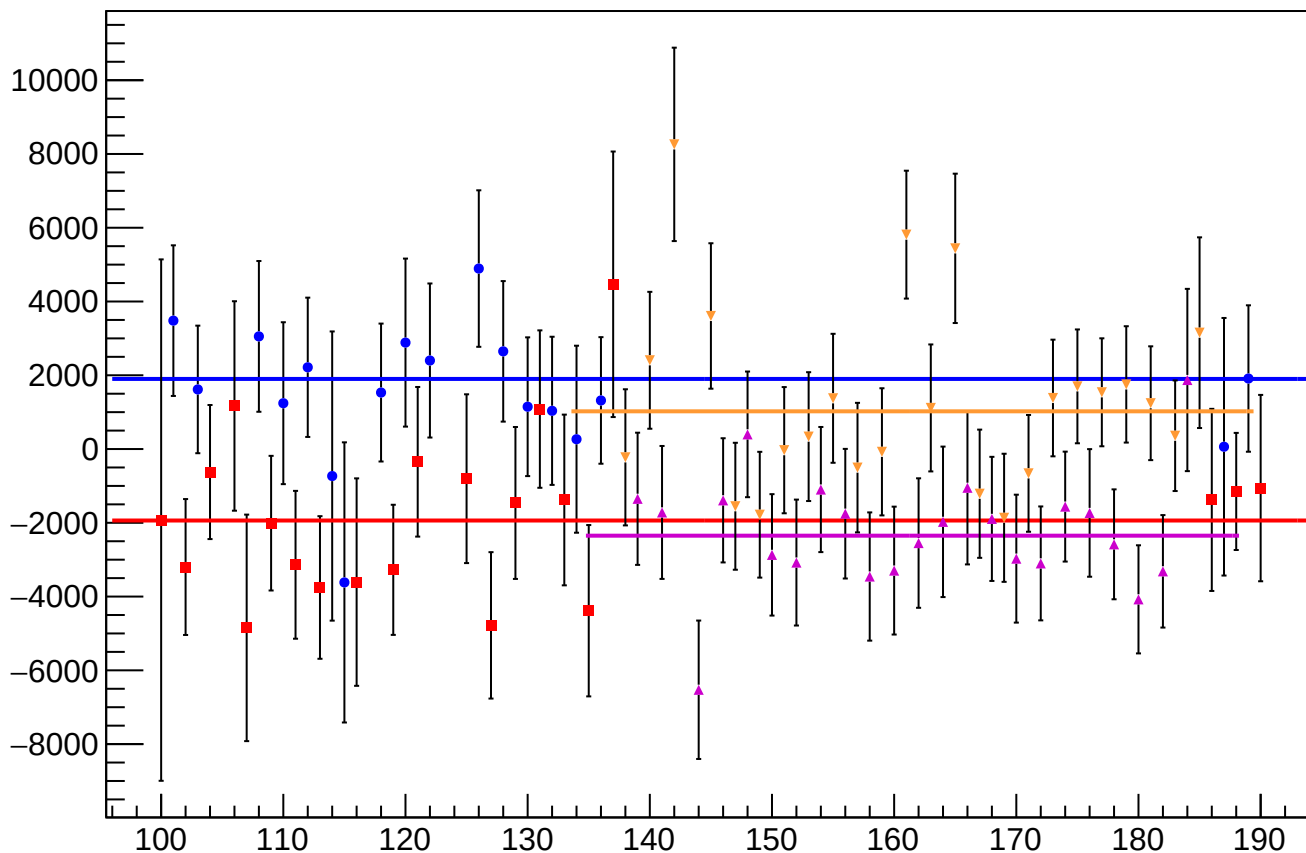
Left In: 5302.177+/-0.894 χ^2/NDF : 1256324.3/22

+ sign 4399.738+/-0.633 χ^2/NDF : 4225984.3/41

All: 4382.523+/-0.443 χ^2/NDF : 8779009.4/85

- sign 4366.066+/-0.619 χ^2/NDF : 4551580.7/43

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1900.694 $\pm$ 499.795 χ^2 /NDF: 7.2/17

Left Out: 1022.634 $\pm$ 353.459 χ^2 /NDF:36.4/23

Right Out: -1937.828 $\pm$ 475.563 χ^2 /NDF: 15.0/20

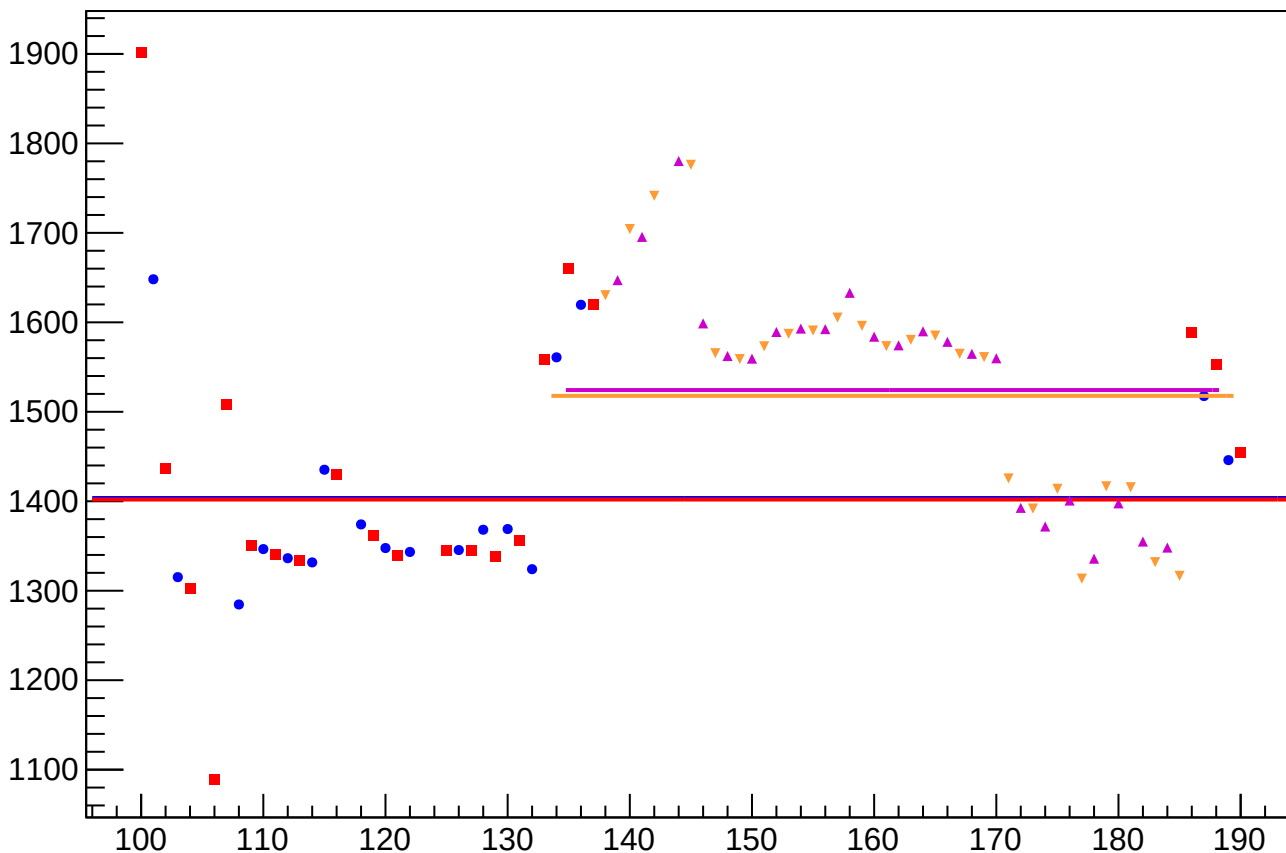
Left In: -2349.186 $\pm$ 357.068 χ^2 /NDF:16.0/22

+ sign 1315.376 $\pm$ 288.584 χ^2 /NDF: 45.7/41

All: -461.399 $\pm$ 202.975 χ^2 /NDF: 152.2/85

- sign -2200.887 $\pm$ 285.540 χ^2 /NDF: 31.4/43

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1403.640 $\pm$ 0.353 χ^2 /NDF: 97185.1/17

Left Out: 1517.815 $\pm$ 0.250 χ^2 /NDF: 233957.9/23

Right Out: 1401.935 $\pm$ 0.333 χ^2 /NDF: 149425.8/20

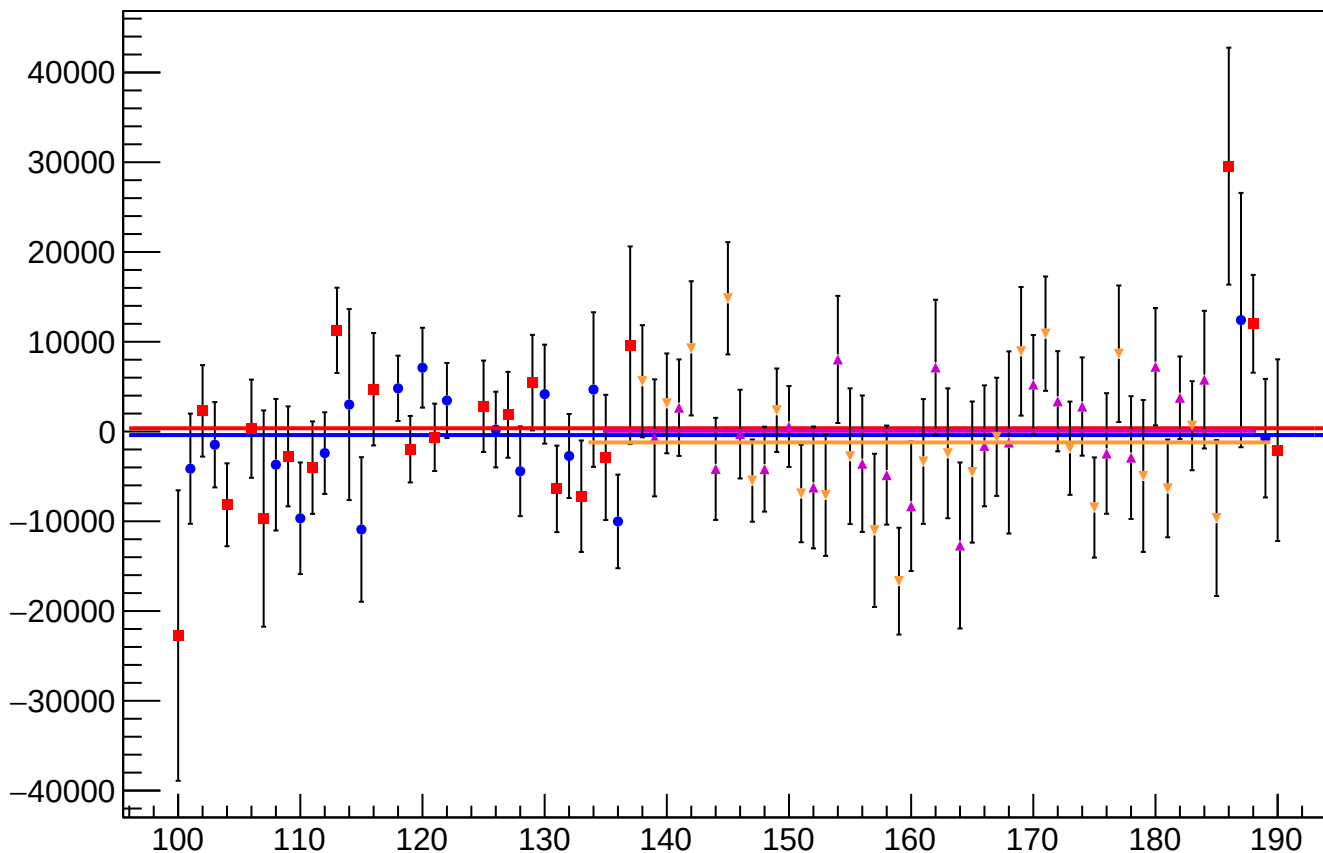
Left In: 1524.314 $\pm$ 0.252 χ^2 /NDF: 224321.2/22

+ sign 1479.750 $\pm$ 0.204 χ^2 /NDF: 400718.5/41

All: 1479.653 $\pm$ 0.143 χ^2 /NDF: 860381.4/85

- sign 1479.559 $\pm$ 0.201 χ^2 /NDF: 459662.5/43

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug



Right In: -392.890 ± 1265.650 $\chi^2/\text{NDF}: 16.8/17$

Left Out: -1211.889 ± 1268.316 $\chi^2/\text{NDF}: 33.2/23$

Right Out: 364.035 ± 1214.674 $\chi^2/\text{NDF}: 28.7/20$

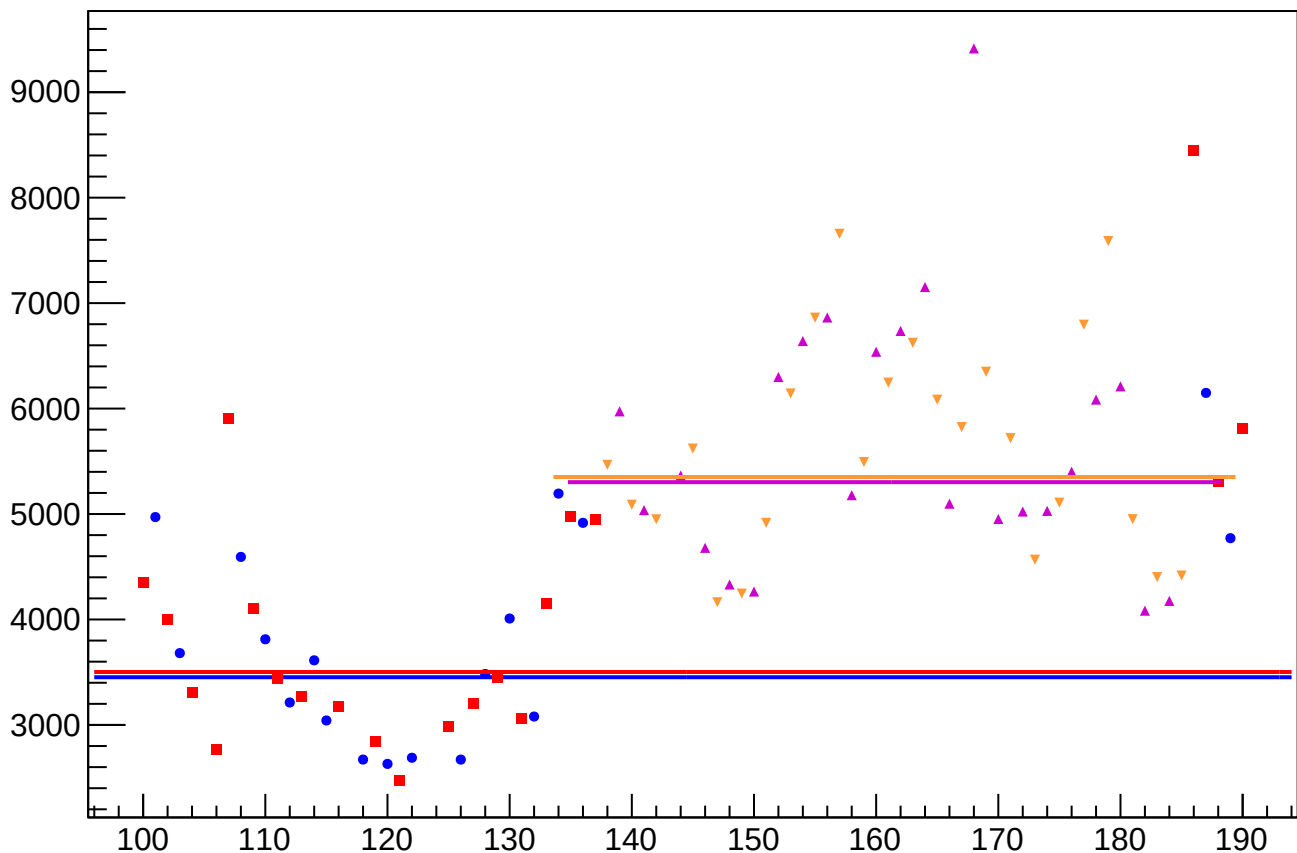
Left In: 80.689 ± 1264.325 $\chi^2/\text{NDF}: 13.2/22$

+ sign -801.527 ± 895.891 $\chi^2/\text{NDF}: 50.2/41$

All: -275.150 ± 626.314 $\chi^2/\text{NDF}: 92.8/85$

- sign 228.035 ± 875.931 $\chi^2/\text{NDF}: 41.9/43$

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3452.341+/-0.895 χ^2/NDF : 913933.8/17

Left Out: 5351.132+/-0.897 χ^2/NDF : 1066039.6/23

Right Out: 3502.036+/-0.859 χ^2/NDF : 1186890.0/20

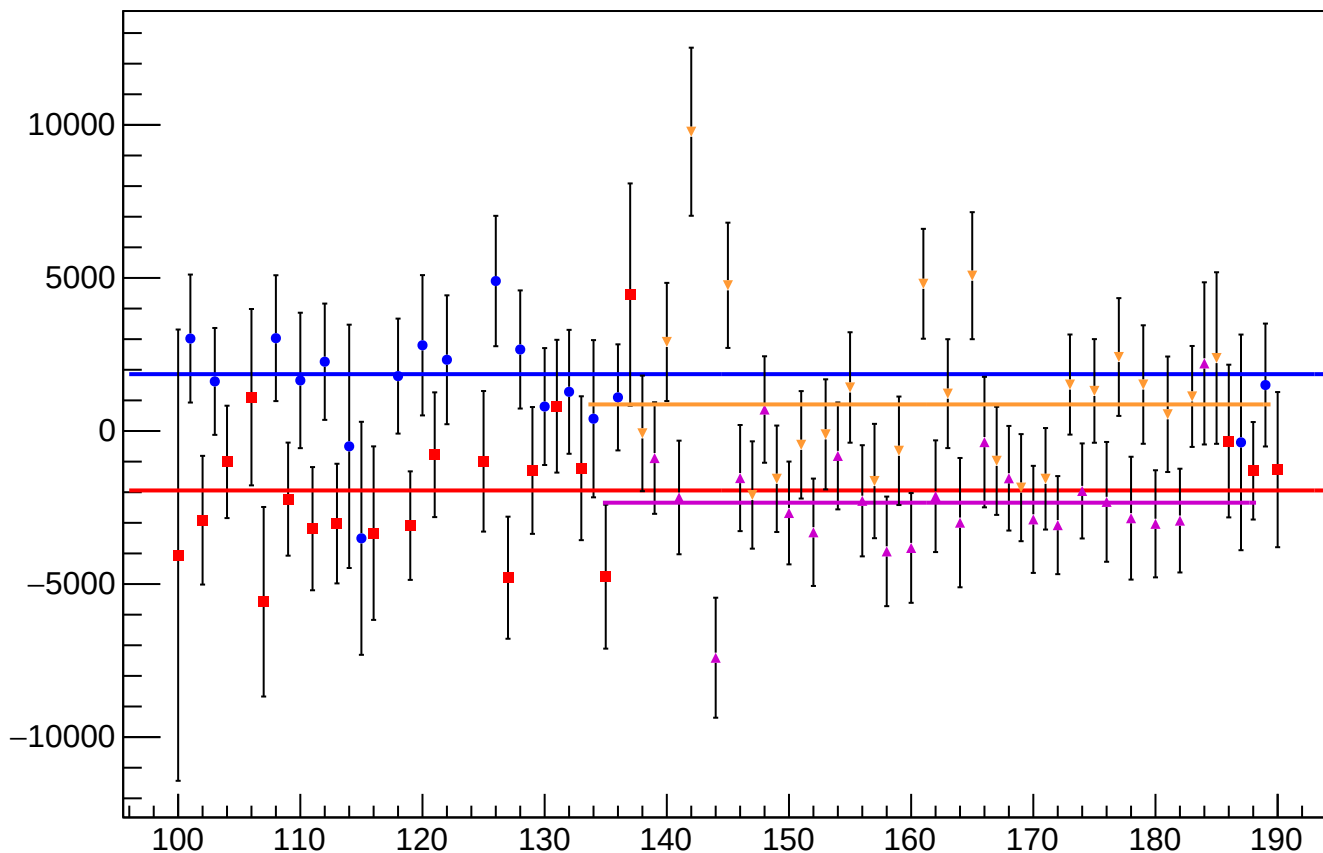
Left In: 5302.177+/-0.894 χ^2/NDF : 1256324.3/22

+ sign 4399.738+/-0.633 χ^2/NDF : 4225984.3/41

All: 4382.523+/-0.443 χ^2/NDF : 8779009.4/85

- sign 4366.066+/-0.619 χ^2/NDF : 4551580.7/43

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1857.118 $\pm$ 504.595 χ^2 /NDF: 6.8/17

Left Out: 868.415 $\pm$ 377.179 χ^2 /NDF:39.7/23

Right Out: -1942.180 $\pm$ 482.978 χ^2 /NDF: 14.0/20

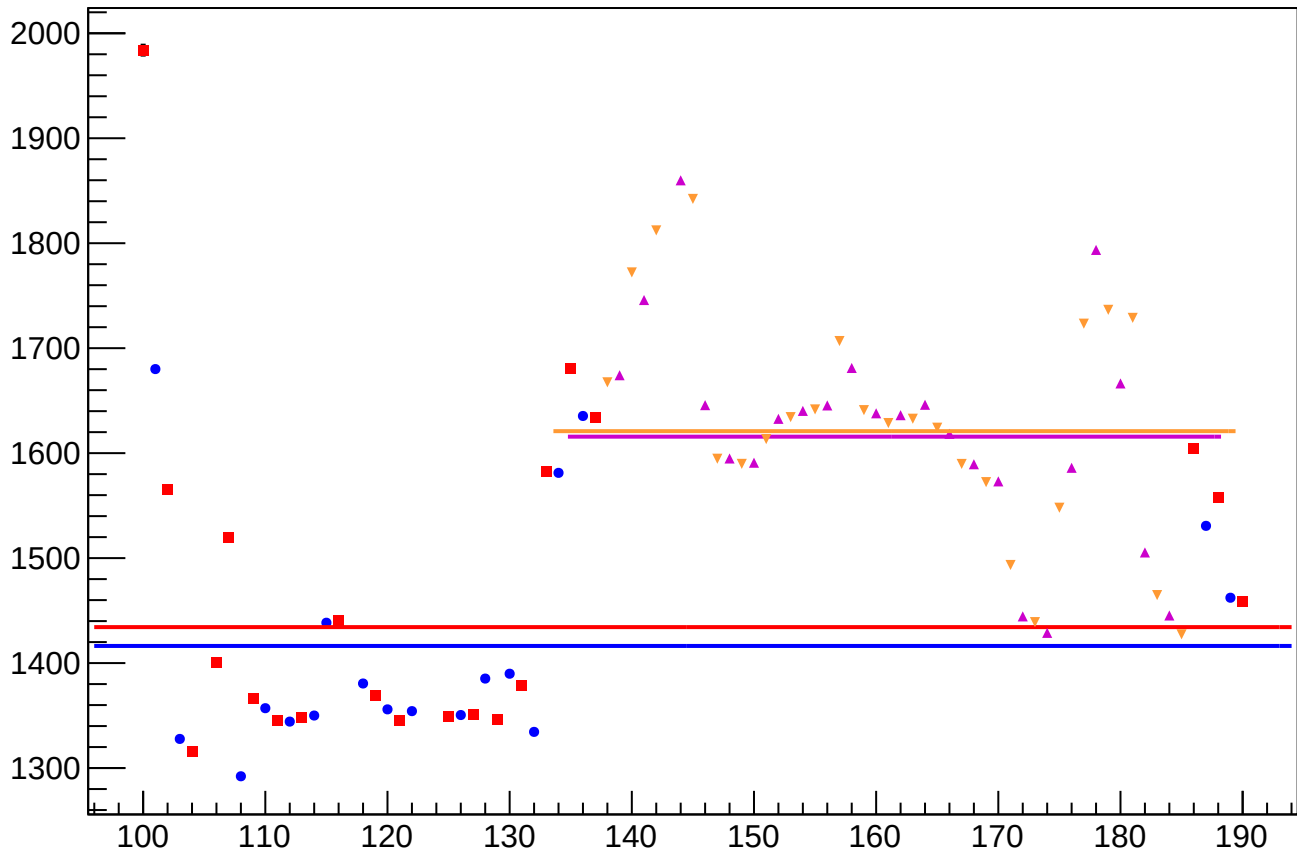
Left In: -2342.303 $\pm$ 378.114 χ^2 /NDF:18.0/22

+ sign 1222.822 $\pm$ 302.107 χ^2 /NDF: 49.0/41

All: -508.638 $\pm$ 212.056 χ^2 /NDF: 146.2/85

- sign -2190.257 $\pm$ 297.727 χ^2 /NDF: 32.4/43

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.324+/-0.357 χ^2/NDF : 102543.0/17

Left Out: 1620.945+/-0.267 χ^2/NDF : 141985.5/23

Right Out: 1434.267+/-0.341 χ^2/NDF : 114785.0/20

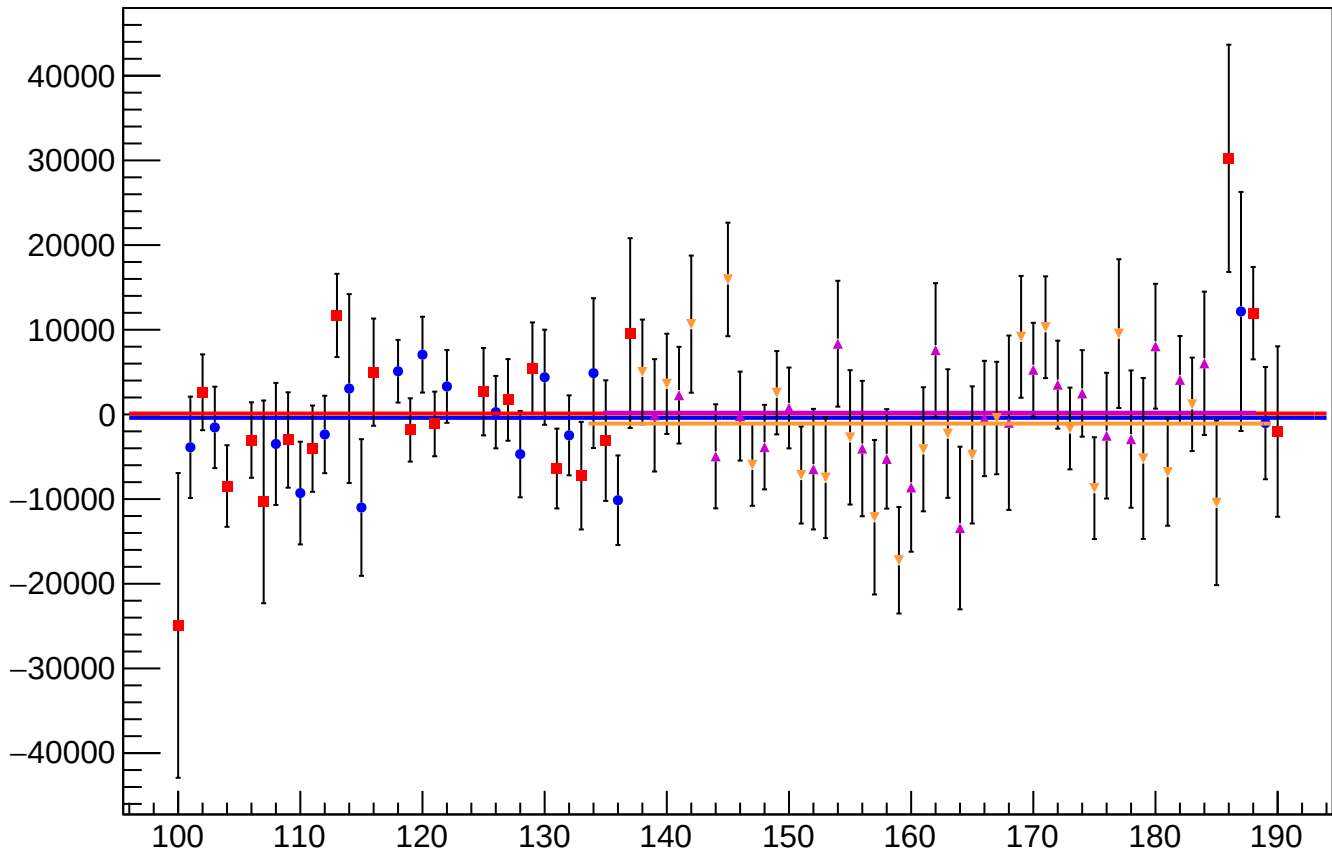
Left In: 1615.705+/-0.267 χ^2/NDF : 137139.2/22

+ sign 1547.597+/-0.214 χ^2/NDF : 455522.7/41

All: 1547.075+/-0.150 χ^2/NDF : 882937.1/85

- sign 1546.568+/-0.210 χ^2/NDF : 427402.6/43

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -405.672 ± 1278.626 $\chi^2/\text{NDF}: 16.6/17$

Left Out: -1082.232 ± 1332.403 $\chi^2/\text{NDF}: 32.9/23$

Right Out: 107.239 ± 1202.871 $\chi^2/\text{NDF}: 29.5/20$

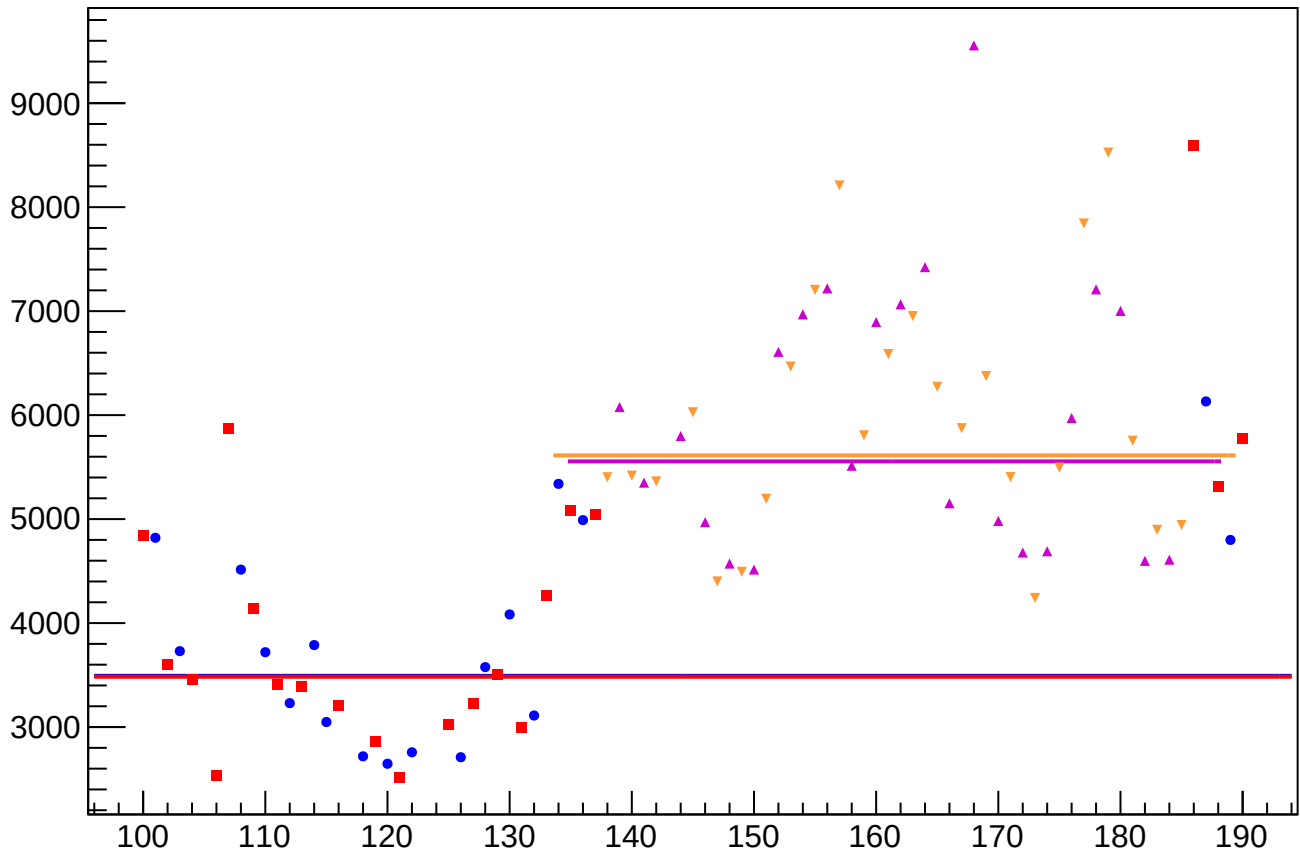
Left In: 201.662 ± 1326.173 $\chi^2/\text{NDF}: 12.9/22$

+ sign -730.023 ± 922.551 $\chi^2/\text{NDF}: 49.7/41$

All: -274.764 ± 640.884 $\chi^2/\text{NDF}: 92.5/85$

- sign 149.858 ± 890.968 $\chi^2/\text{NDF}: 42.3/43$

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3492.350+/-0.904 χ^2/NDF : 875255.8/17

Left Out: 5612.730+/-0.942 χ^2/NDF : 1188118.0/23

Right Out: 3484.113+/-0.851 χ^2/NDF : 1228897.0/20

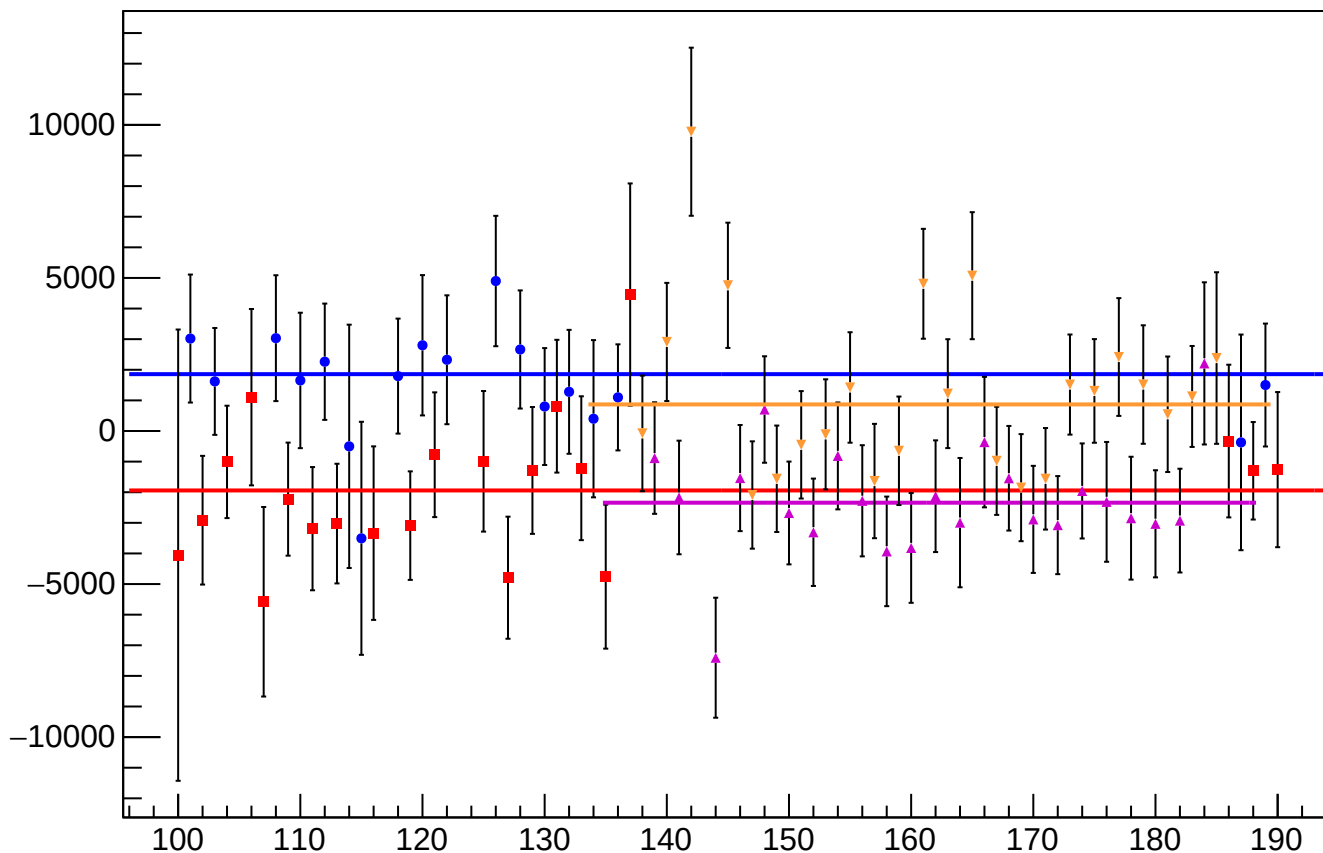
Left In: 5554.927+/-0.938 χ^2/NDF : 1332970.4/22

+ sign 4508.887+/-0.652 χ^2/NDF : 4700191.6/41

All: 4462.274+/-0.453 χ^2/NDF : 9947384.1/85

- sign 4418.798+/-0.630 χ^2/NDF : 5237324.4/43

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1857.120 ± 504.595 χ^2/NDF : 6.8/17

Left Out: 868.410 ± 377.180 χ^2/NDF : 39.7/23

Right Out: -1942.180 ± 482.978 χ^2/NDF : 14.0/20

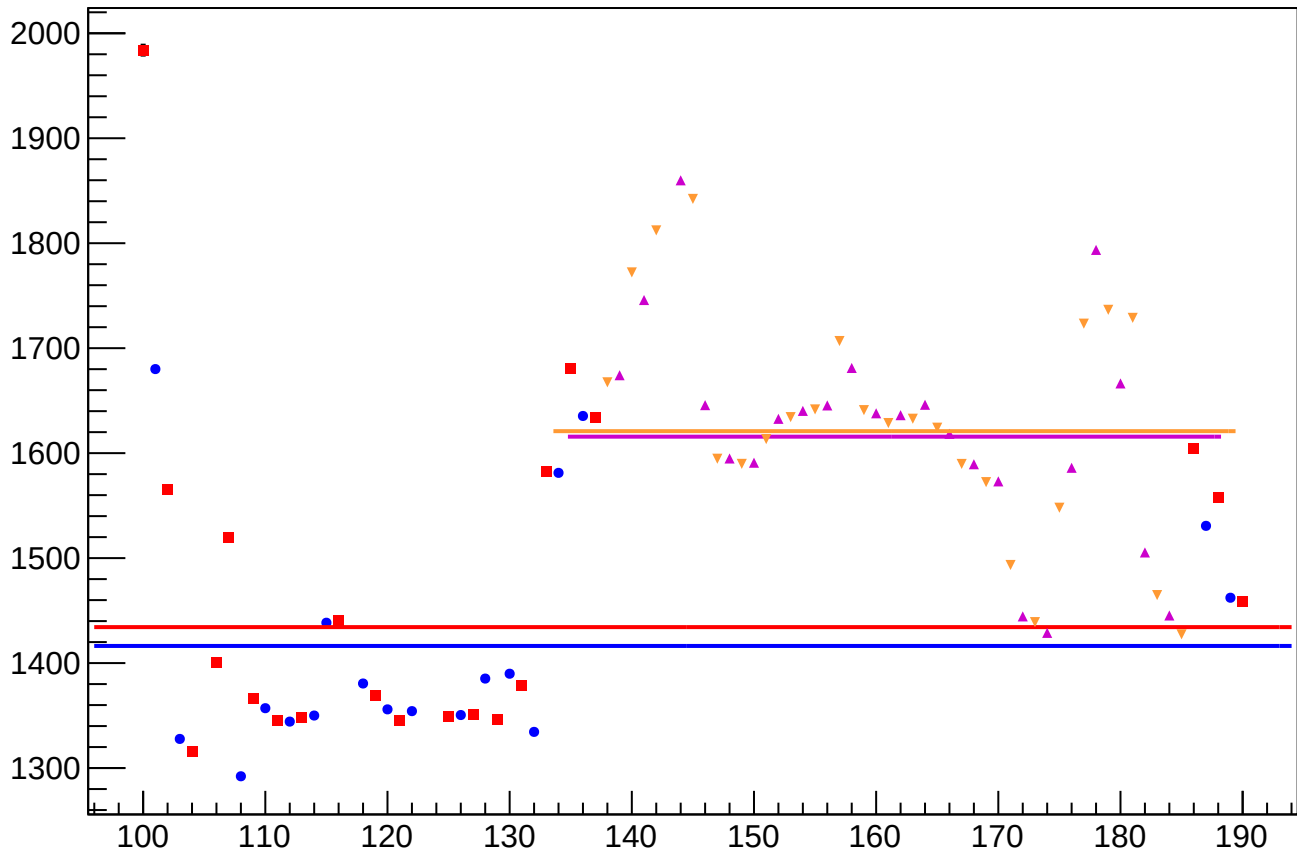
Left In: -2342.303 ± 378.114 χ^2/NDF : 18.0/22

+ sign 1222.819 ± 302.107 χ^2/NDF : 49.0/41

All: -508.639 ± 212.057 χ^2/NDF : 146.2/85

- sign -2190.257 ± 297.727 χ^2/NDF : 32.4/43

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.324+/-0.357 χ^2/NDF : 102543.0/17

Left Out: 1620.946+/-0.267 χ^2/NDF : 141990.3/23

Right Out: 1434.267+/-0.341 χ^2/NDF : 114785.0/20

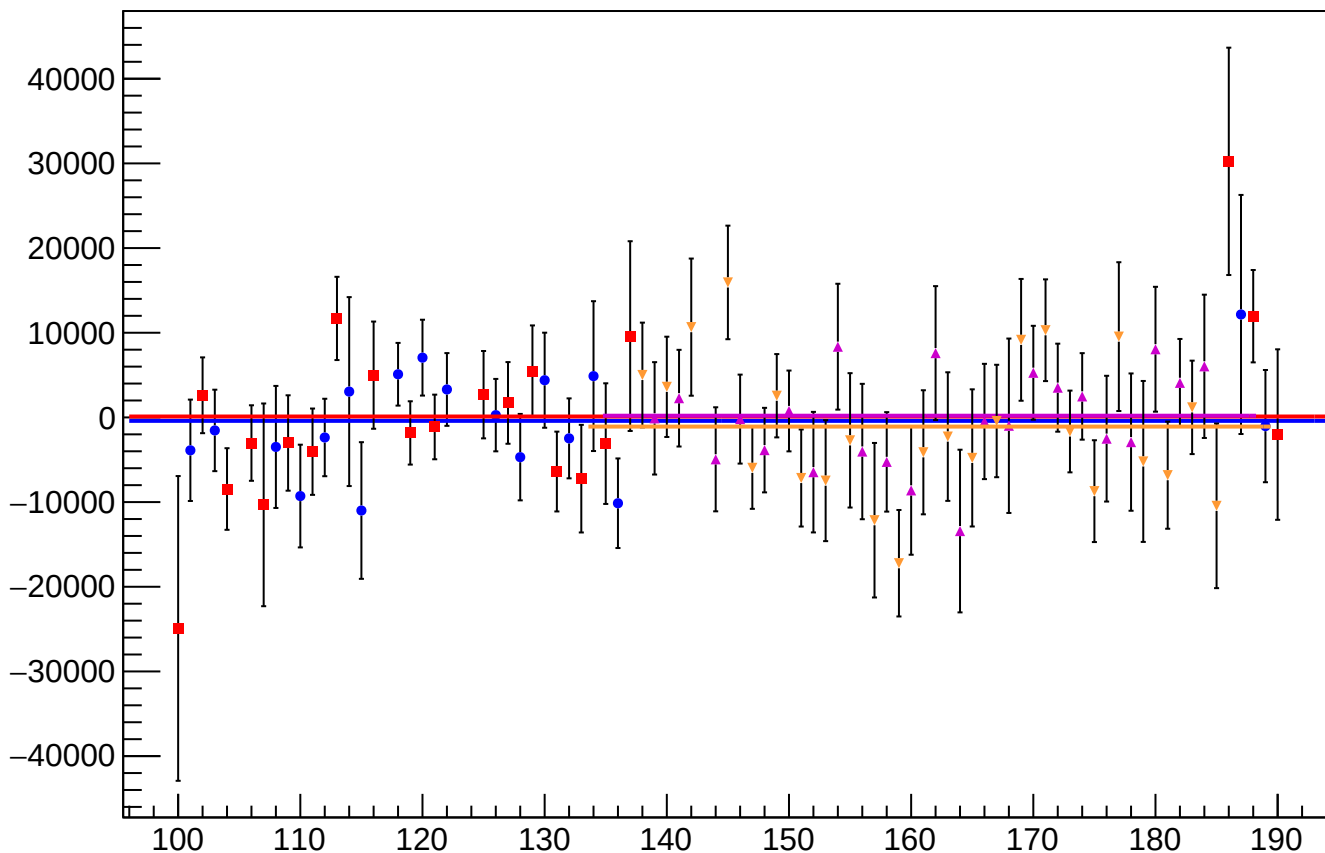
Left In: 1615.706+/-0.267 χ^2/NDF : 137144.0/22

+ sign 1547.598+/-0.214 χ^2/NDF : 455529.9/41

All: 1547.075+/-0.150 χ^2/NDF : 882951.8/85

- sign 1546.568+/-0.210 χ^2/NDF : 427410.1/43

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug



Right In: -405.666 $\pm$ 1278.623 χ^2/NDF : 16.6/17

Left Out: -1082.239 $\pm$ 1332.405 χ^2/NDF : 32.9/23

Right Out: 107.232 $\pm$ 1202.867 χ^2/NDF : 29.5/20

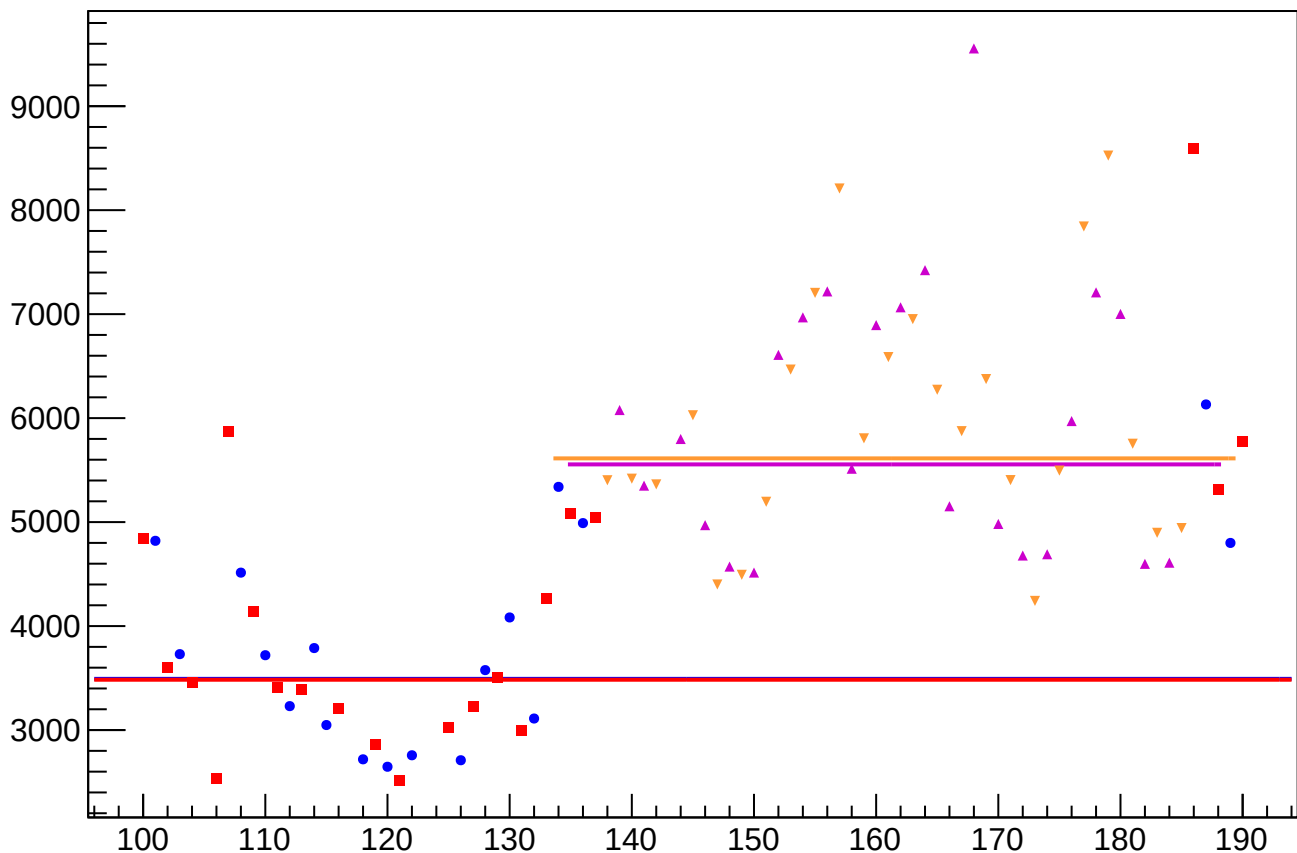
Left In: 201.663 $\pm$ 1326.175 χ^2/NDF : 12.9/22

+ sign -730.022 $\pm$ 922.550 χ^2/NDF : 49.7/41

All: -274.766 $\pm$ 640.884 χ^2/NDF : 92.5/85

- sign 149.854 $\pm$ 890.968 χ^2/NDF : 42.3/43

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3492.338 $\pm$ 0.904 χ^2 /NDF: 875266.4/17

Left Out: 5612.739 $\pm$ 0.942 χ^2 /NDF:1188118.8/23

Right Out: 3484.103 $\pm$ 0.851 χ^2 /NDF: 1228905.4/20

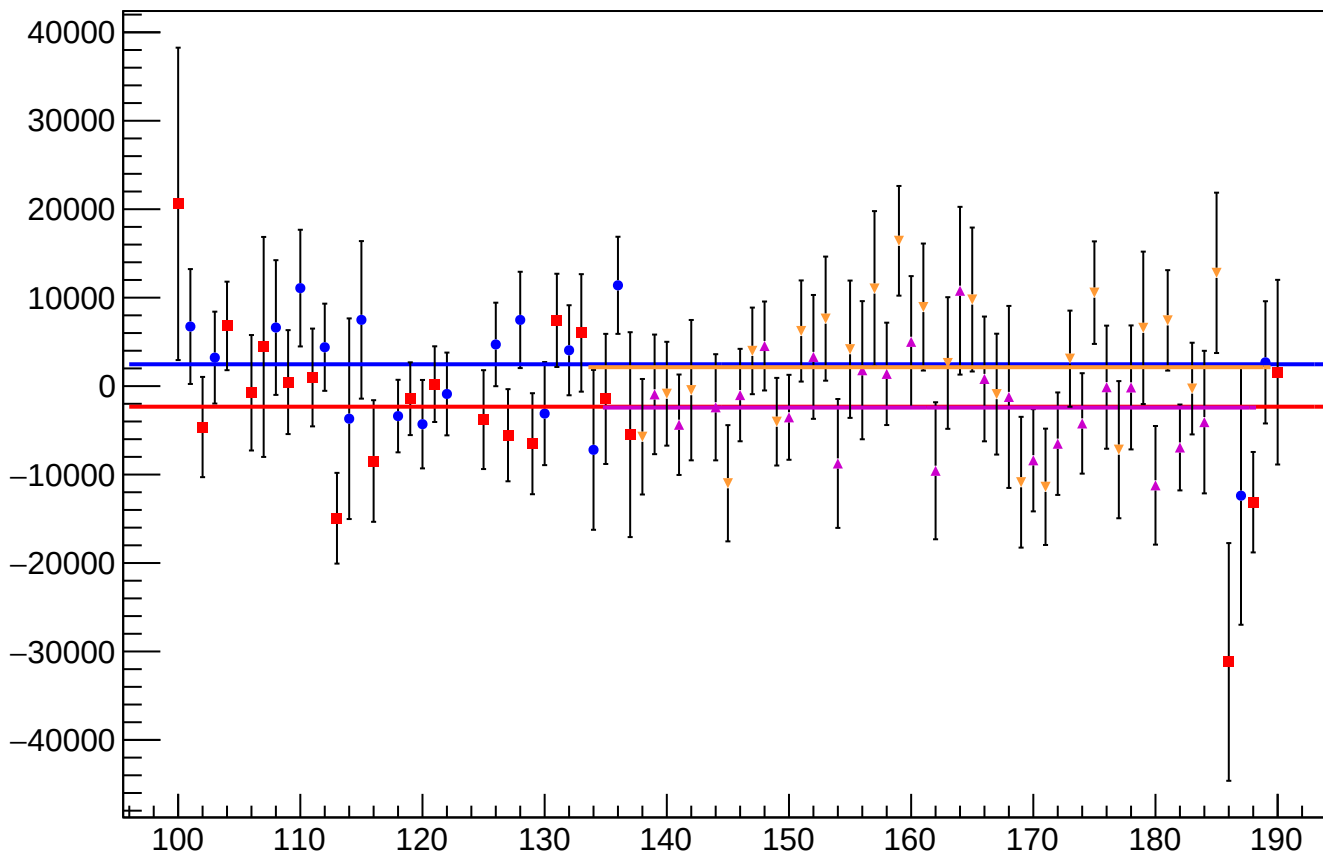
Left In: 5554.935 $\pm$ 0.938 χ^2 /NDF:1332972.0/22

+ sign 4508.881 $\pm$ 0.652 χ^2 /NDF: 4700255.8/41

All: 4462.268 $\pm$ 0.453 χ^2 /NDF: 9947508.0/85

- sign 4418.791 $\pm$ 0.630 χ^2 /NDF: 5237384.2/43

asym_usl_atl2_avg_mean vs Slug



Right In: 2469.150+/-1379.553 χ^2/NDF : 14.5/17

Left Out: 2138.140+/-1324.387 χ^2/NDF : 30.7/23

Right Out: -2327.669+/-1326.061 χ^2/NDF : 27.8/20

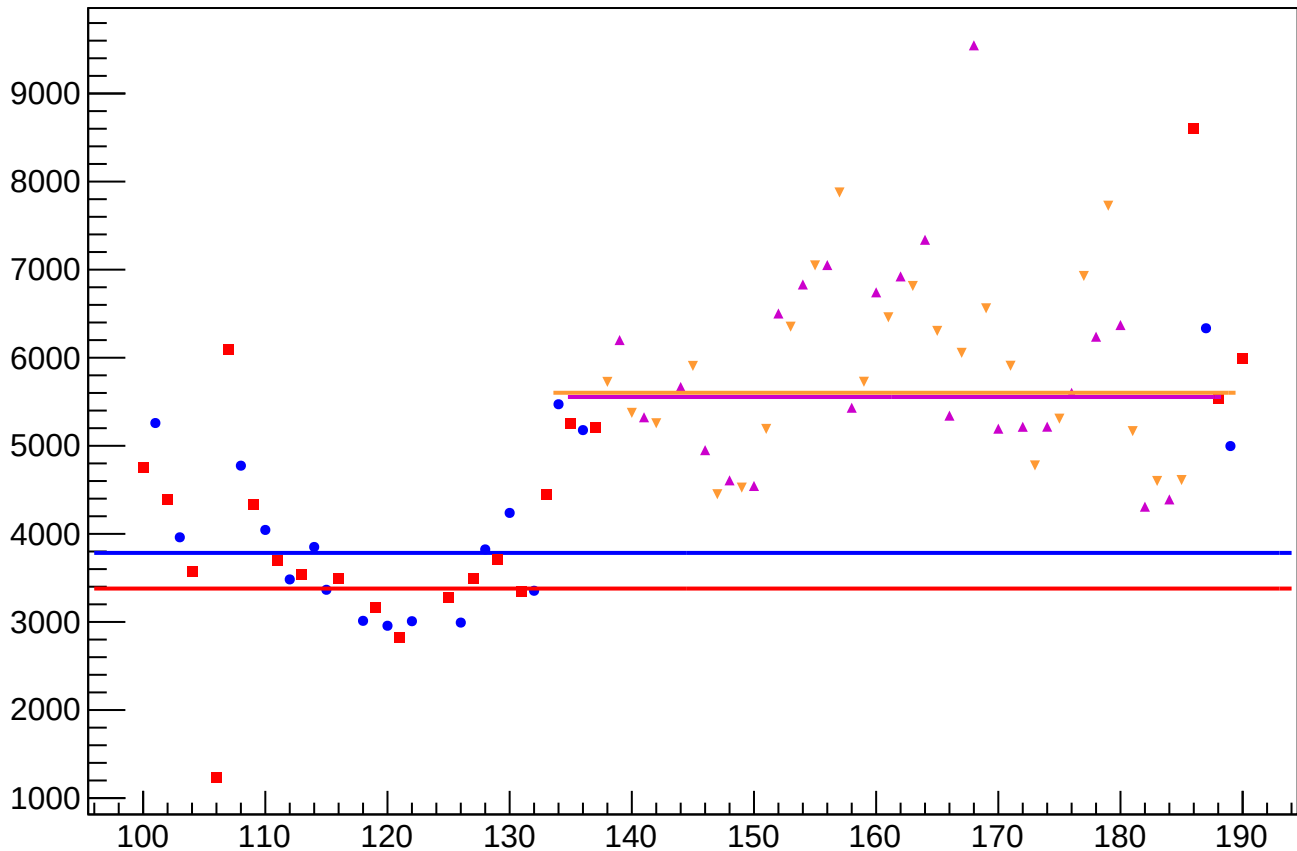
Left In: -2428.059+/-1321.080 χ^2/NDF : 12.9/22

+ sign 2296.894+/-955.390 χ^2/NDF : 45.2/41

All: -88.750+/-668.566 χ^2/NDF : 98.1/85

- sign -2378.053+/-935.900 χ^2/NDF : 40.7/43

asym_usl_atl2_avg_rms vs Slug



Right In: 3783.961+/-0.975 χ^2/NDF : 738990.5/17

Left Out: 5602.266+/-0.936 χ^2/NDF : 940451.0/23

Right Out: 3379.174+/-0.864 χ^2/NDF : 2371926.9/20

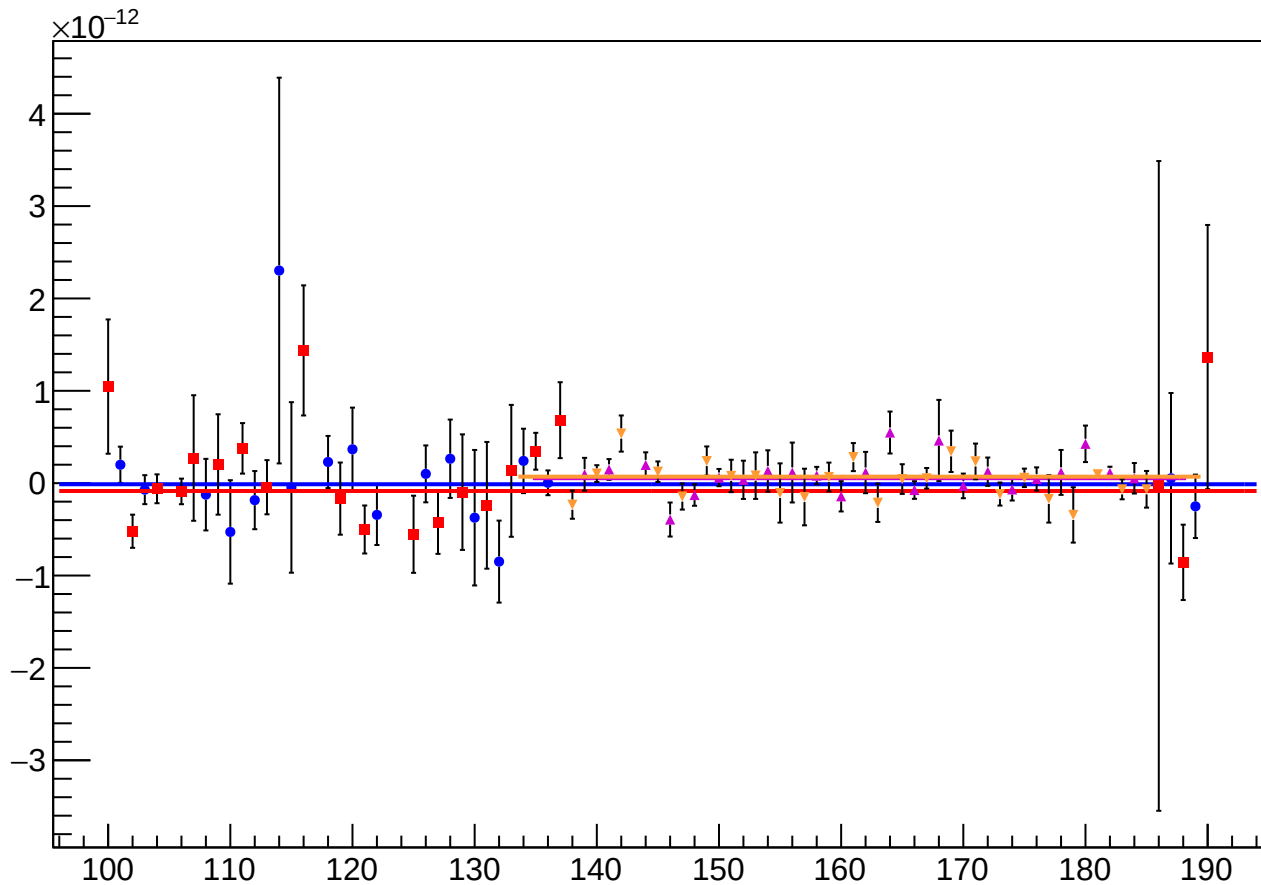
Left In: 5554.054+/-0.934 χ^2/NDF : 1112177.4/22

+ sign 4730.193+/-0.676 χ^2/NDF : 3487529.9/41

All: 4545.413+/-0.462 χ^2/NDF : 10032506.1/8

- sign 4382.435+/-0.634 χ^2/NDF : 6404177.1/43

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.6/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.3/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 34.2/20

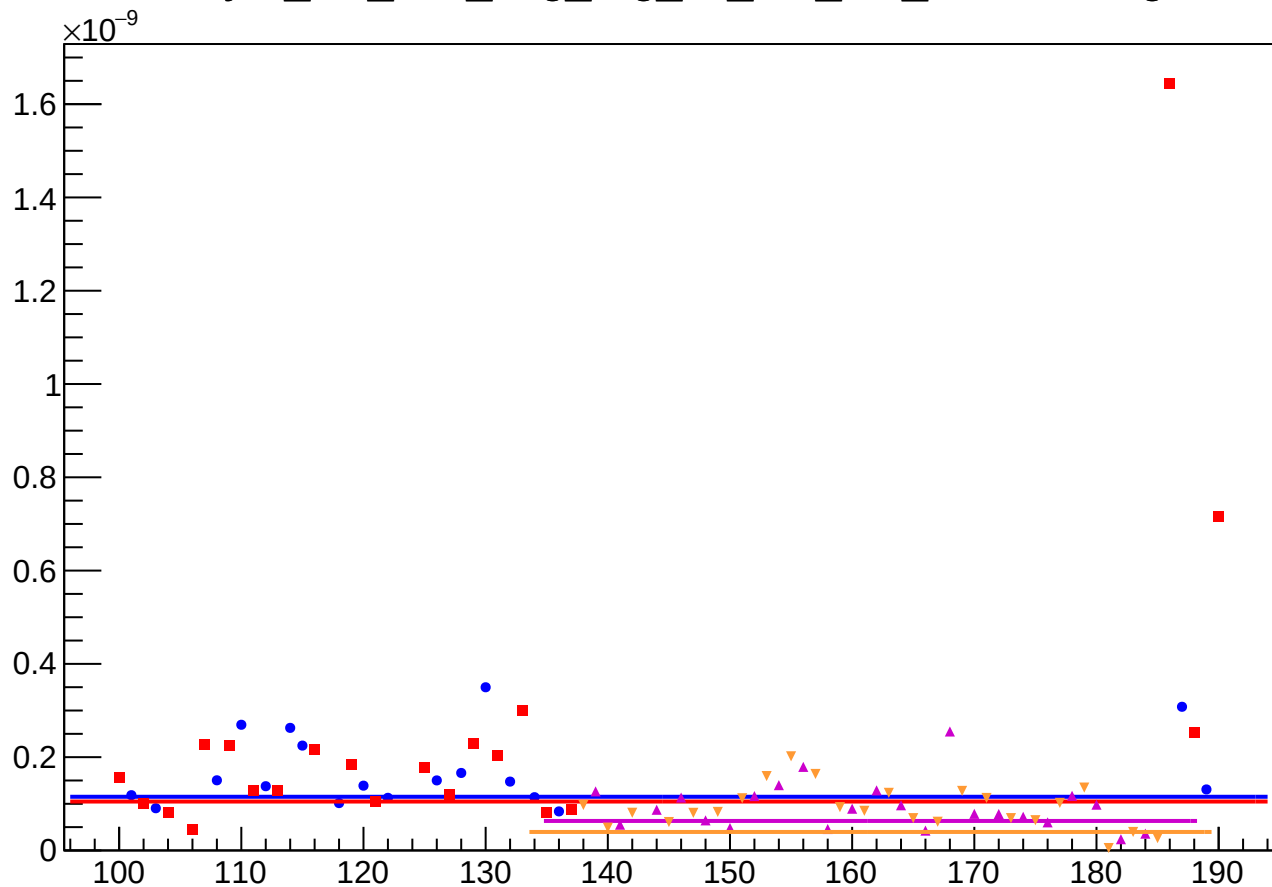
Left In: 0.000 ± 0.000 χ^2/NDF : 25.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 41.2/41

All: 0.000 ± 0.000 χ^2/NDF : 105.4/85

- sign 0.000 ± 0.000 χ^2/NDF : 63.4/43

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 748593.2/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 6954816.0/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 2128705.6/20

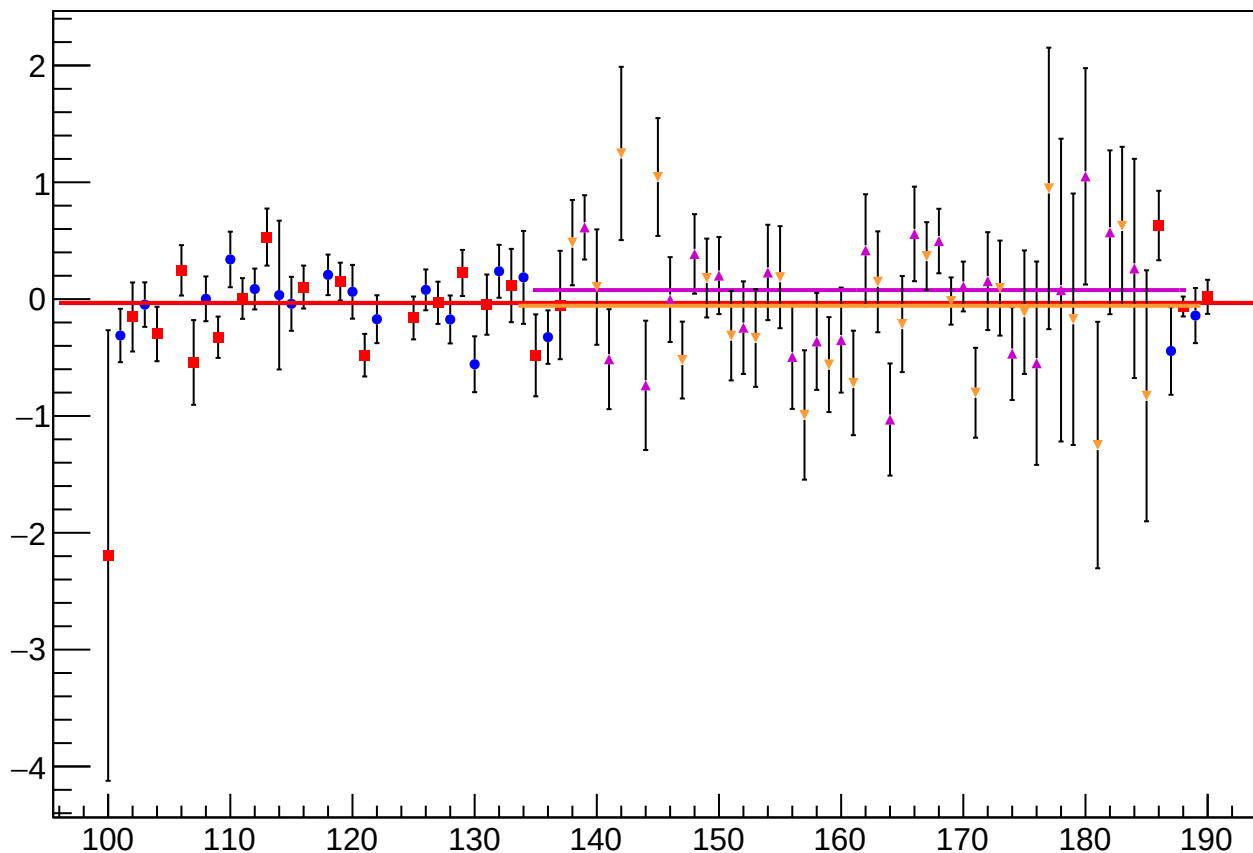
Left In: 0.000 ± 0.000 χ^2/NDF : 2922990.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 9883952.7/41

All: 0.000 ± 0.000 χ^2/NDF : 16601801.7/85

- sign 0.000 ± 0.000 χ^2/NDF : 5748182.6/43

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.034 ± 0.052 χ^2/NDF : 17.5/17

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.032 ± 0.042 χ^2/NDF : 31.6/20

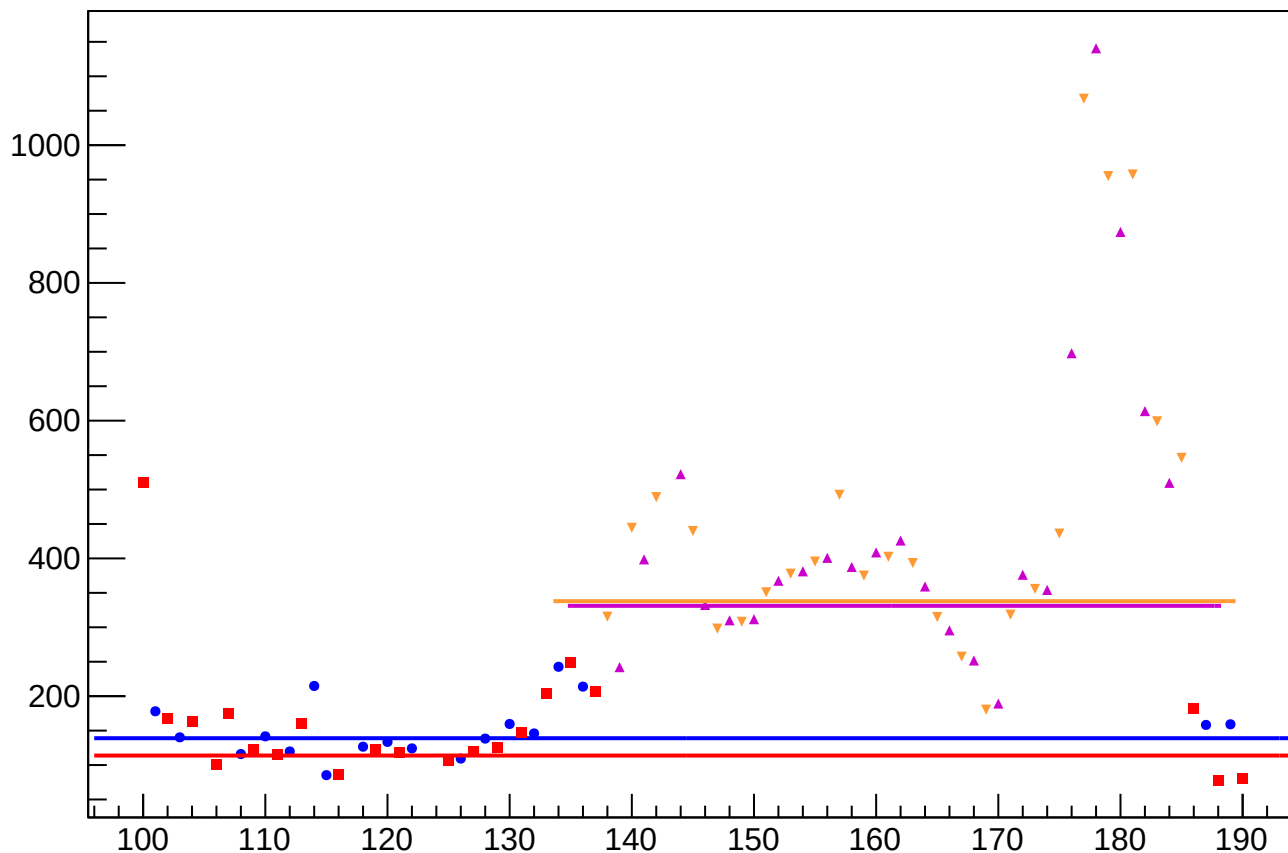
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.040 ± 0.045 χ^2/NDF : 47.9/41

All: -0.022 ± 0.029 χ^2/NDF : 108.2/85

- sign -0.010 ± 0.038 χ^2/NDF : 60.0/43

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 138.961+/-0.037 χ^2/NDF : 714355.1/17

Left Out: 337.937+/-0.060 χ^2/NDF : 4517129.8/23

Right Out: 113.807+/-0.030 χ^2/NDF : 1601786.7/20

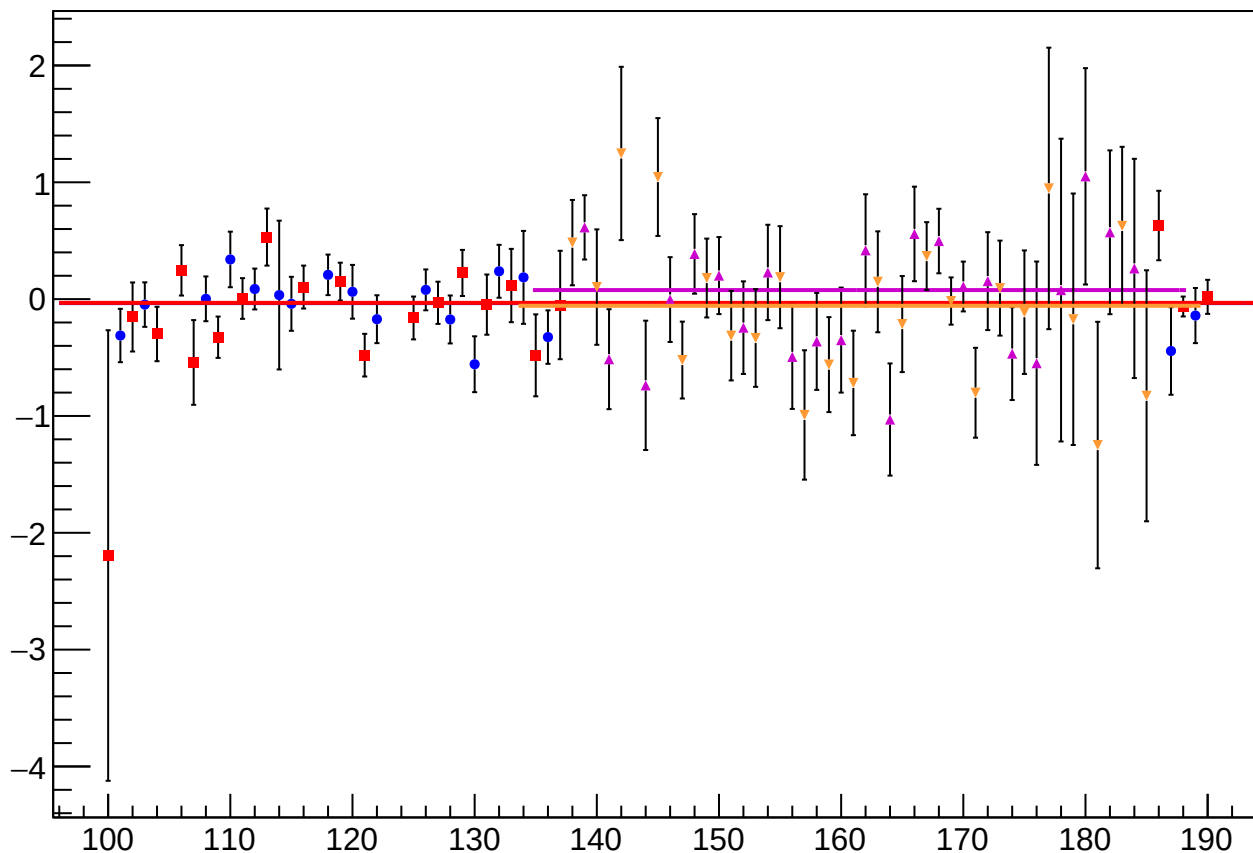
Left In: 331.158+/-0.059 χ^2/NDF : 4106959.8/22

+ sign 193.196+/-0.032 χ^2/NDF : 13118172.8/41

All: 172.821+/-0.020 χ^2/NDF : 30344374.6/85

- sign 158.257+/-0.027 χ^2/NDF : 16510991.9/43

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.034 ± 0.052 χ^2/NDF : 17.5/17

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.032 ± 0.042 χ^2/NDF : 31.6/20

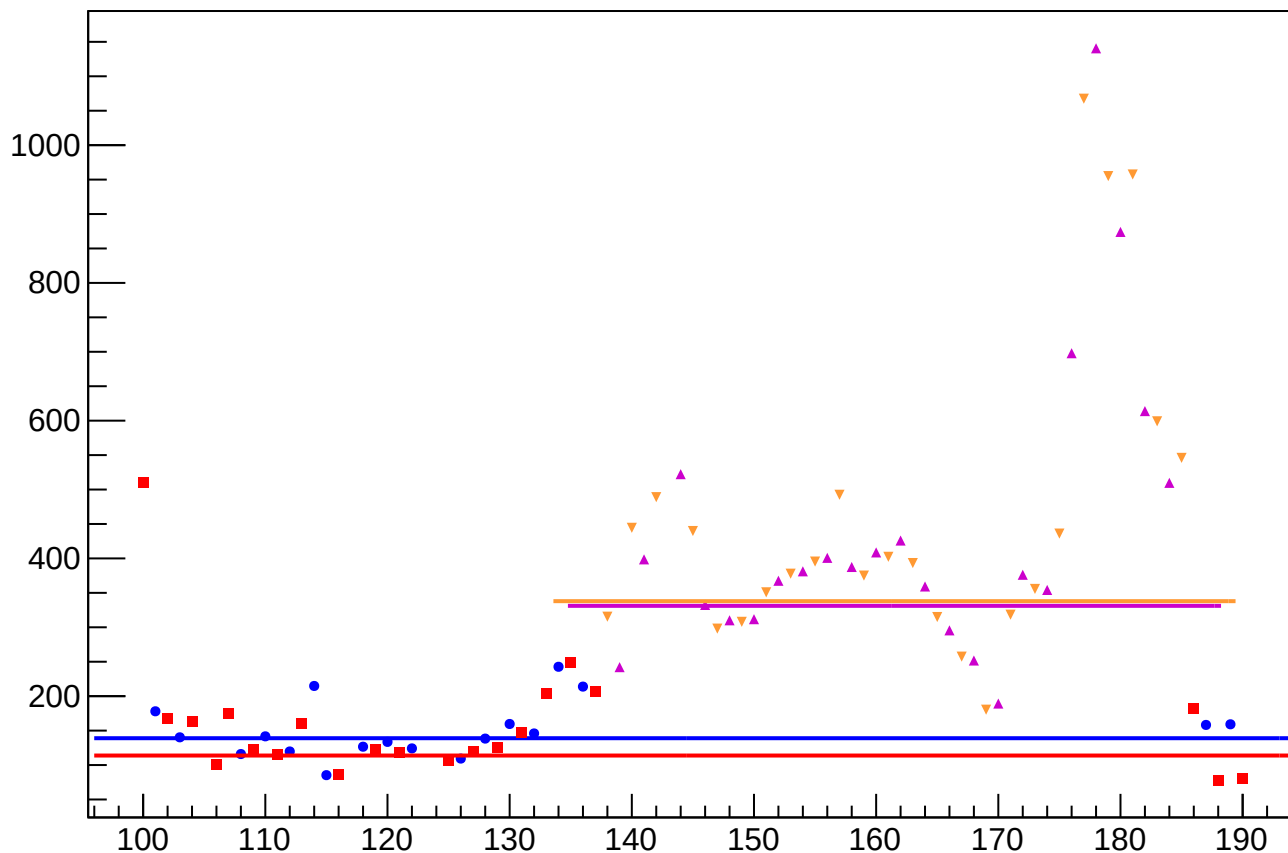
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.040 ± 0.045 χ^2/NDF : 47.9/41

All: -0.022 ± 0.029 χ^2/NDF : 108.2/85

- sign -0.010 ± 0.038 χ^2/NDF : 60.0/43

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 138.961 $\pm$ 0.037 χ^2 /NDF: 714355.1/17

Left Out: 337.937 $\pm$ 0.060 χ^2 /NDF: 4517129.8/23

Right Out: 113.807 $\pm$ 0.030 χ^2 /NDF: 1601786.7/20

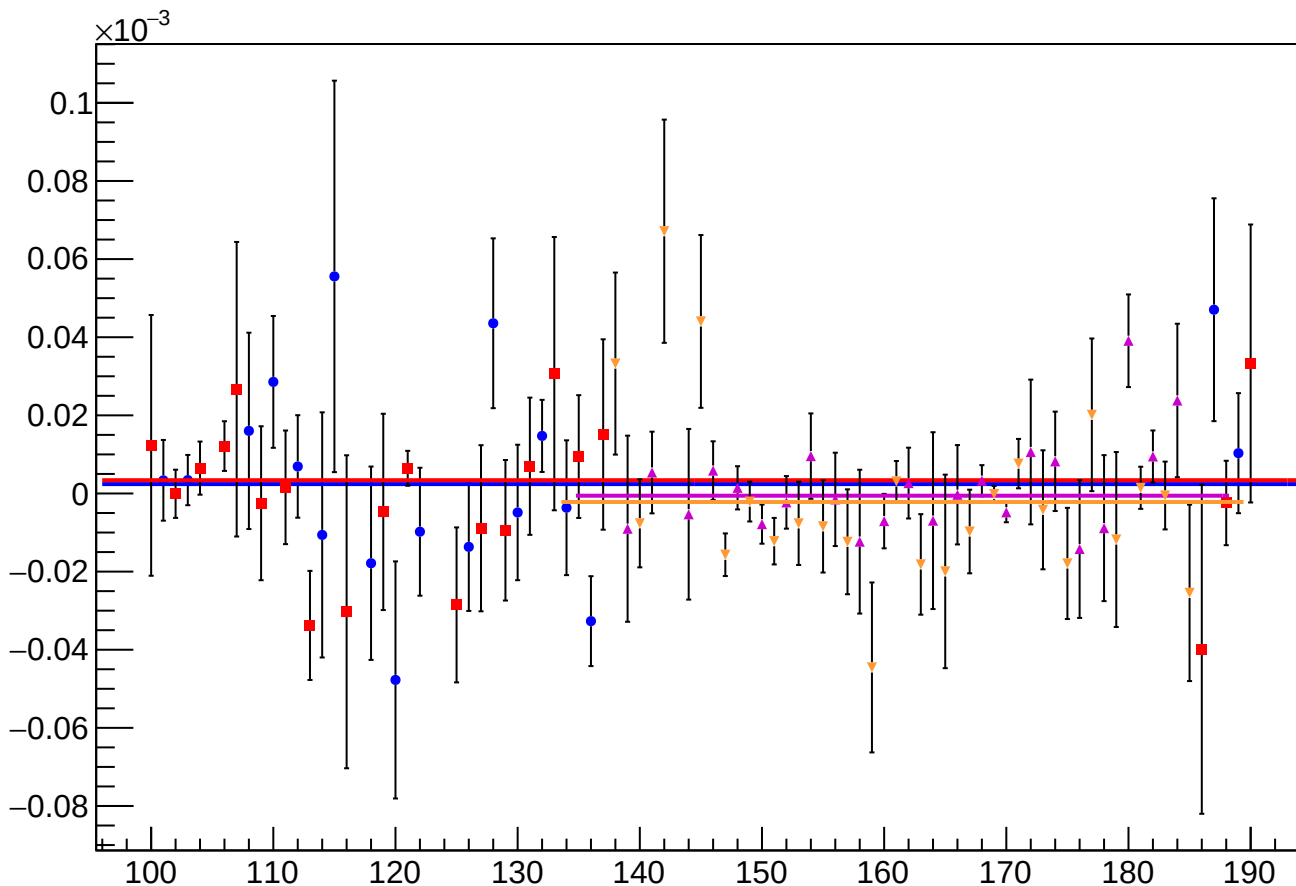
Left In: 331.158 $\pm$ 0.059 χ^2 /NDF: 4106959.8/22

+ sign 193.196 $\pm$ 0.032 χ^2 /NDF: 13118172.8/41

All: 172.821 $\pm$ 0.020 χ^2 /NDF: 30344374.6/85

- sign 158.257 $\pm$ 0.027 χ^2 /NDF: 16510991.9/43

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 26.7/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 37.9/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 17.9/20

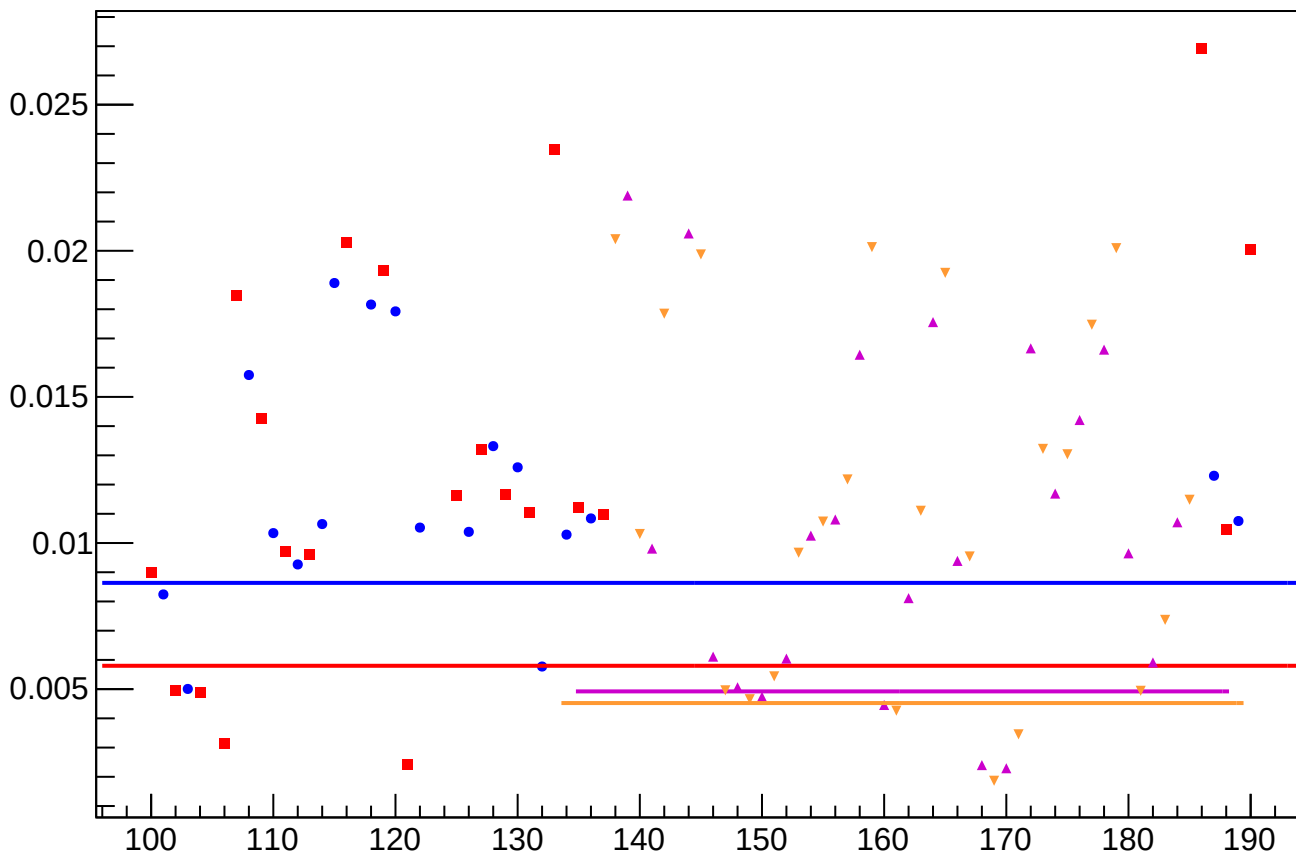
Left In: -0.000 ± 0.000 χ^2/NDF : 26.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 66.2/41

All: -0.000 ± 0.000 χ^2/NDF : 113.4/85

- sign 0.000 ± 0.000 χ^2/NDF : 46.0/43

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2001301.1/17

Left Out: 0.005+/-0.000 χ^2/NDF : 14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF : 6154802.8/20

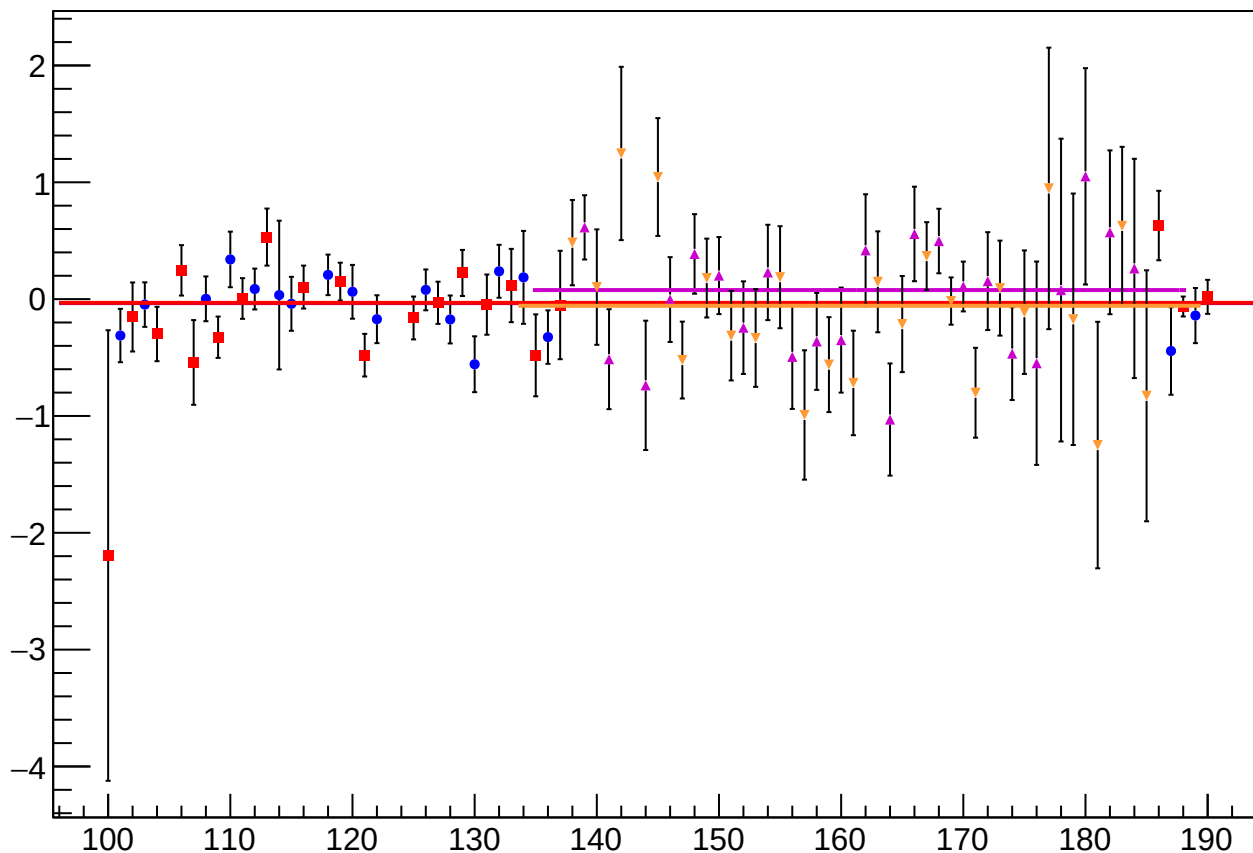
Left In: 0.005+/-0.000 χ^2/NDF : 11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 18817239.1/41

All: 0.005+/-0.000 χ^2/NDF : 36785880.8/85

- sign 0.005+/-0.000 χ^2/NDF : 17968357.7/43

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.034 ± 0.052 χ^2/NDF : 17.5/17

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.032 ± 0.042 χ^2/NDF : 31.6/20

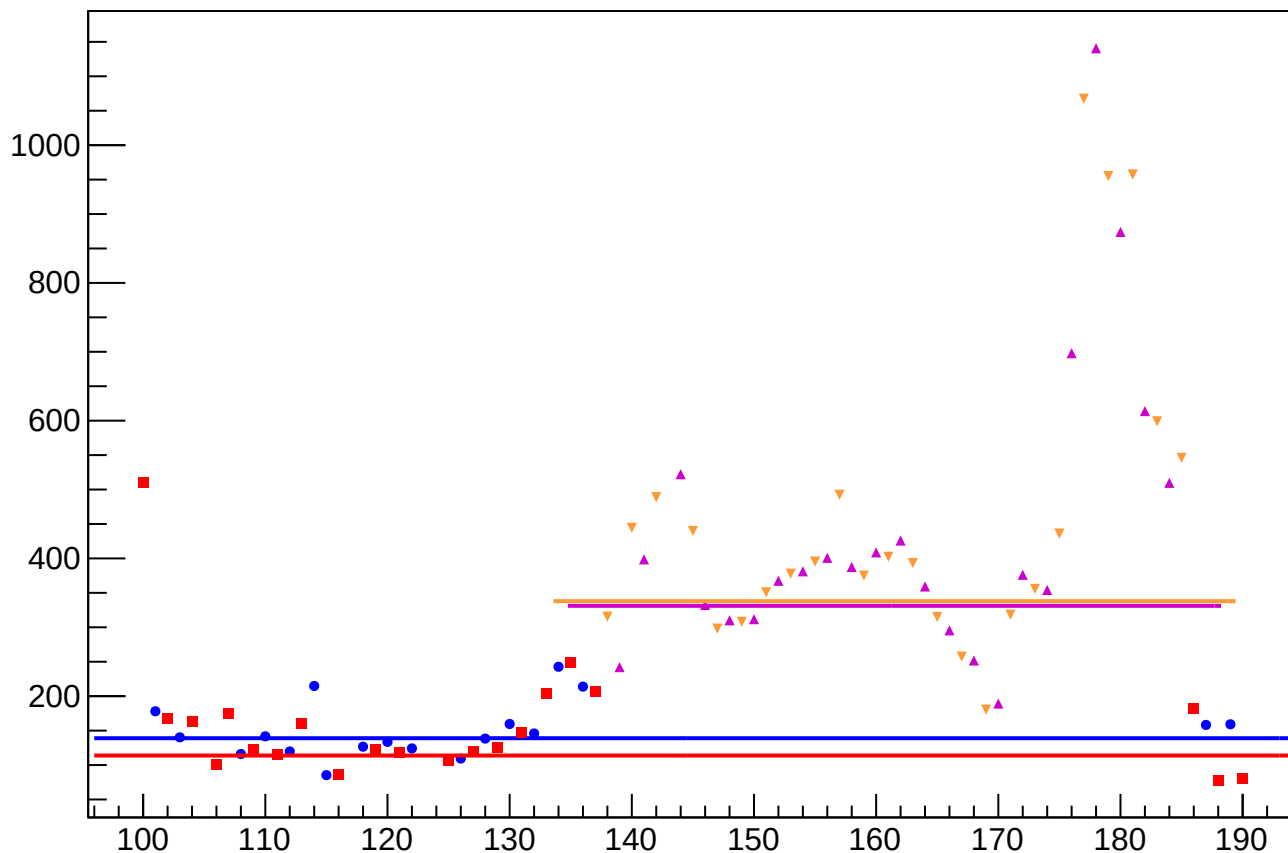
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.040 ± 0.045 χ^2/NDF : 47.9/41

All: -0.022 ± 0.029 χ^2/NDF : 108.2/85

- sign -0.010 ± 0.038 χ^2/NDF : 60.0/43

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 138.961+/-0.037 χ^2/NDF : 714345.1/17

Left Out: 337.939+/-0.060 χ^2/NDF : 4517201.8/23

Right Out: 113.805+/-0.030 χ^2/NDF : 1601828.5/20

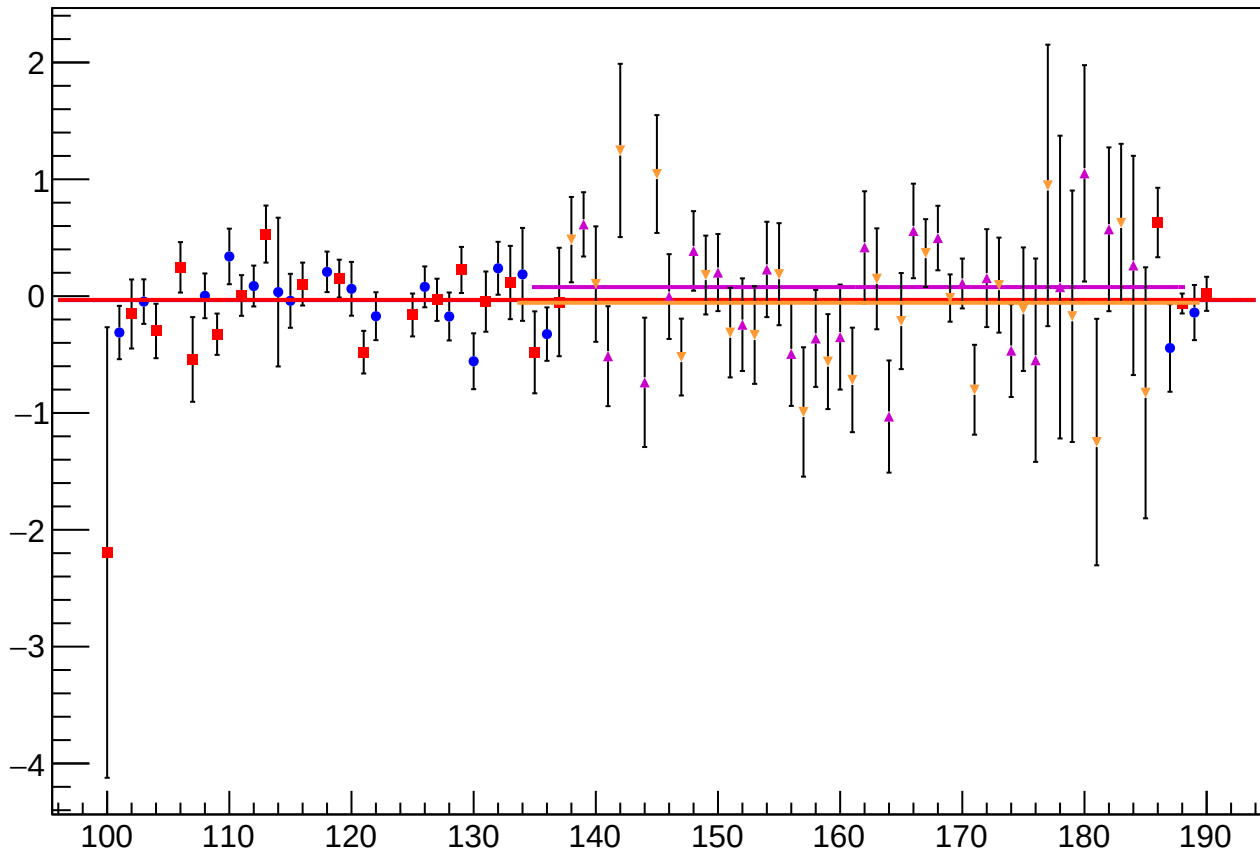
Left In: 331.161+/-0.059 χ^2/NDF : 4106963.1/22

+ sign 193.197+/-0.032 χ^2/NDF : 13118282.8/41

All: 172.820+/-0.020 χ^2/NDF : 30345023.9/85

- sign 158.255+/-0.027 χ^2/NDF : 16511414.7/43

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.034 ± 0.052 χ^2/NDF : 17.5/17

Left Out: -0.057 ± 0.085 χ^2/NDF : 30.4/23

Right Out: -0.032 ± 0.042 χ^2/NDF : 31.6/20

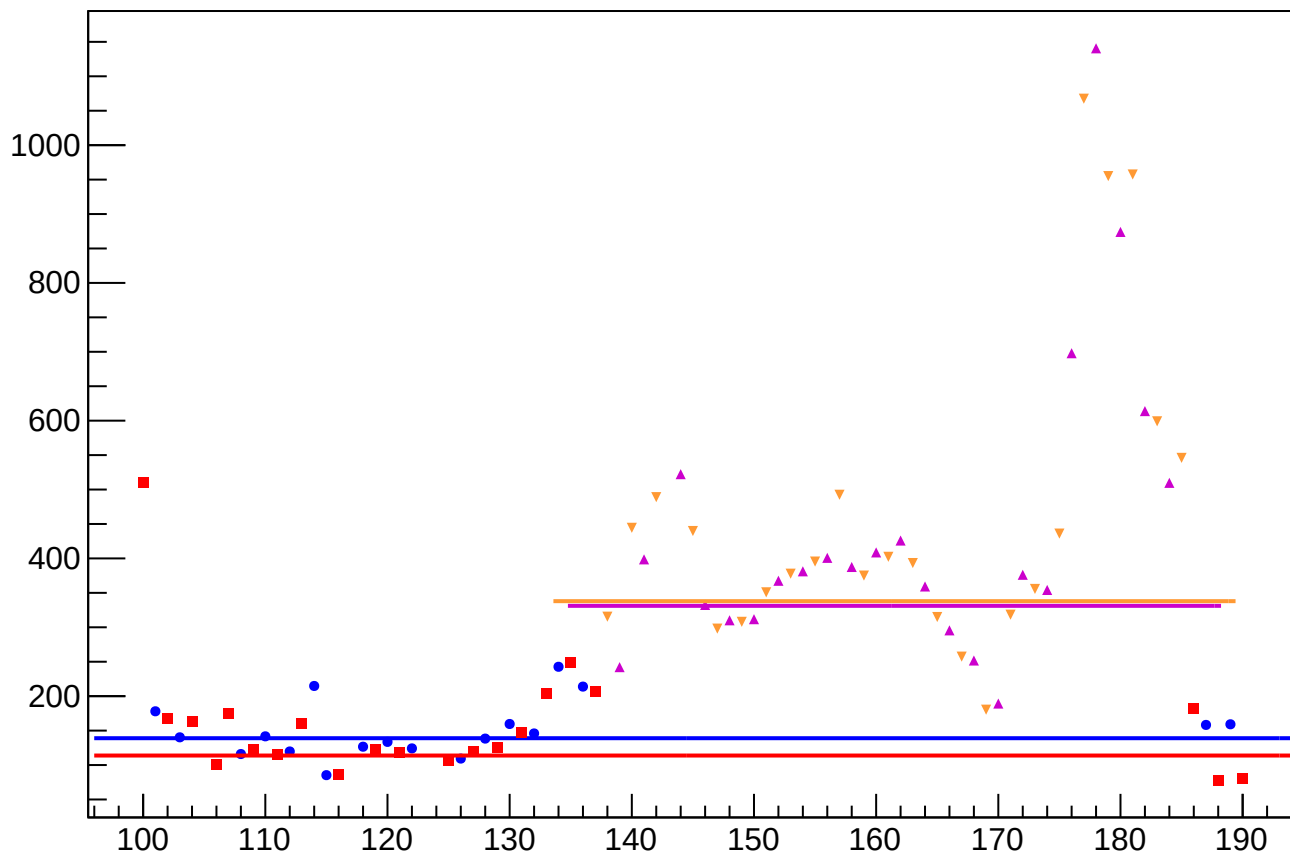
Left In: 0.077 ± 0.083 χ^2/NDF : 27.0/22

+ sign -0.040 ± 0.045 χ^2/NDF : 47.9/41

All: -0.022 ± 0.029 χ^2/NDF : 108.2/85

- sign -0.010 ± 0.038 χ^2/NDF : 60.0/43

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 138.961 $\pm$ 0.037 χ^2 /NDF: 714345.1/17

Left Out: 337.939 $\pm$ 0.060 χ^2 /NDF:4517201.8/23

Right Out: 113.805 $\pm$ 0.030 χ^2 /NDF: 1601828.5/20

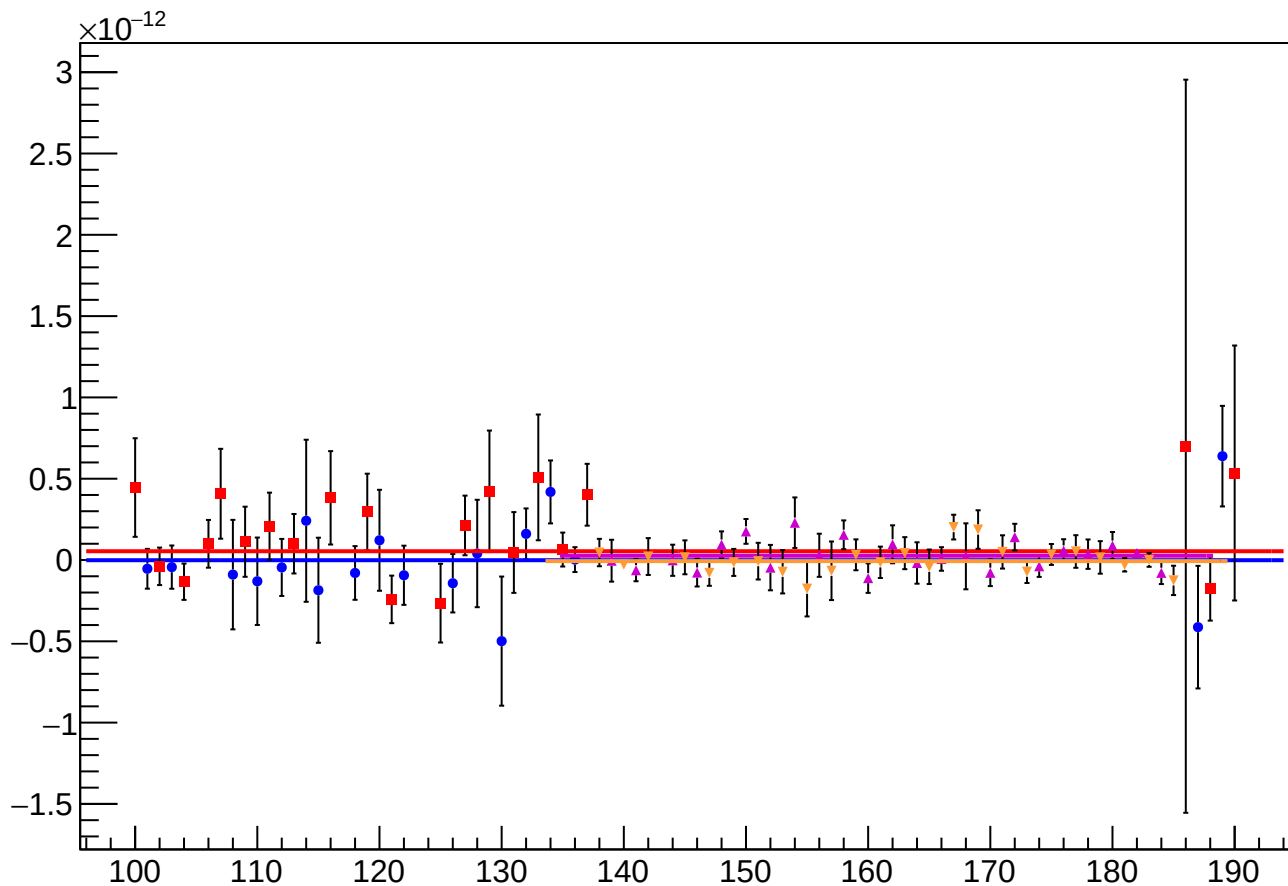
Left In: 331.161 $\pm$ 0.059 χ^2 /NDF:4106963.1/22

+ sign 193.197 $\pm$ 0.032 χ^2 /NDF: 13118282.8/41

All: 172.820 $\pm$ 0.020 χ^2 /NDF: 30345023.9/85

- sign 158.255 $\pm$ 0.027 χ^2 /NDF: 16511414.7/43

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.3/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 18.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 24.0/20

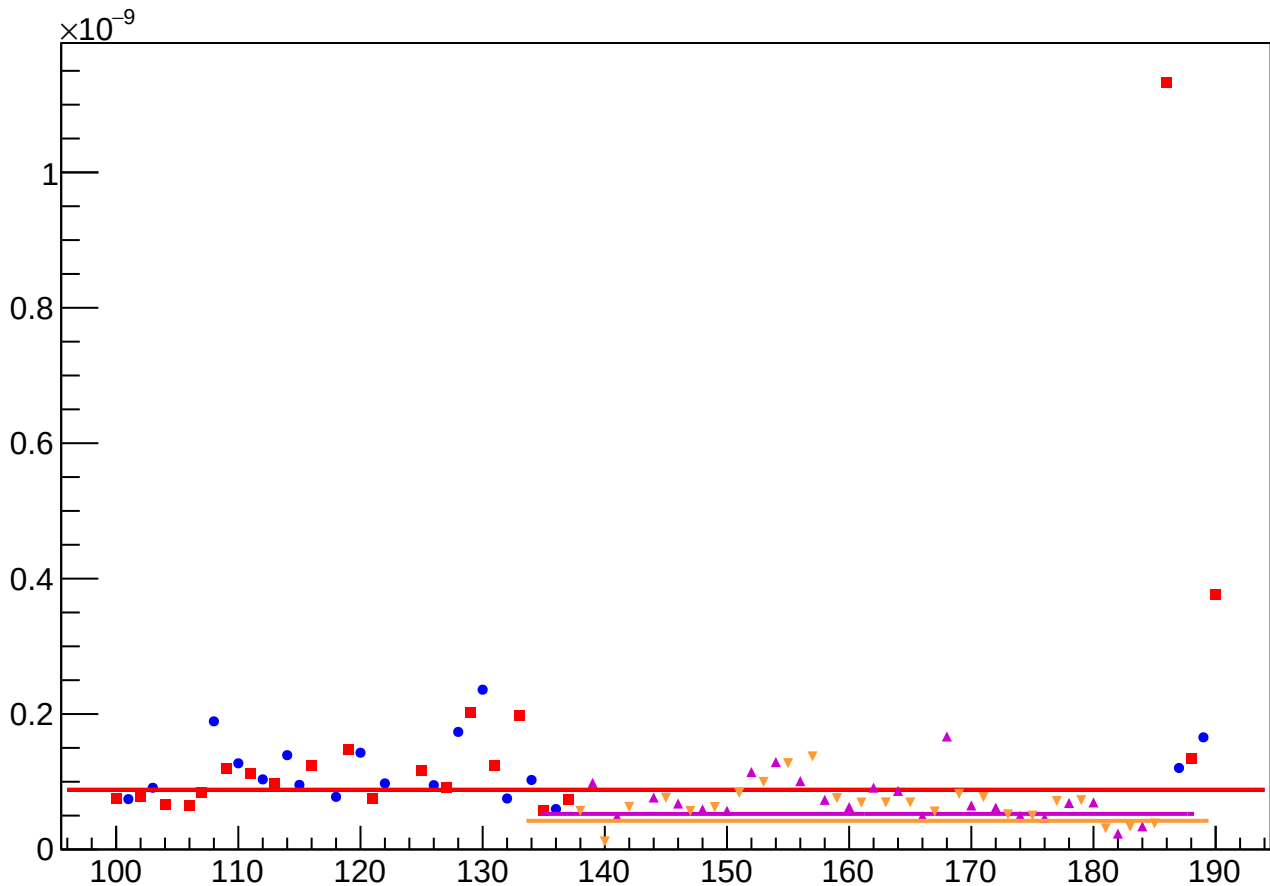
Left In: 0.000 ± 0.000 χ^2/NDF : 22.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 33.5/41

All: 0.000 ± 0.000 χ^2/NDF : 83.9/85

- sign 0.000 ± 0.000 χ^2/NDF : 47.2/43

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1216730.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 1801108.6/20

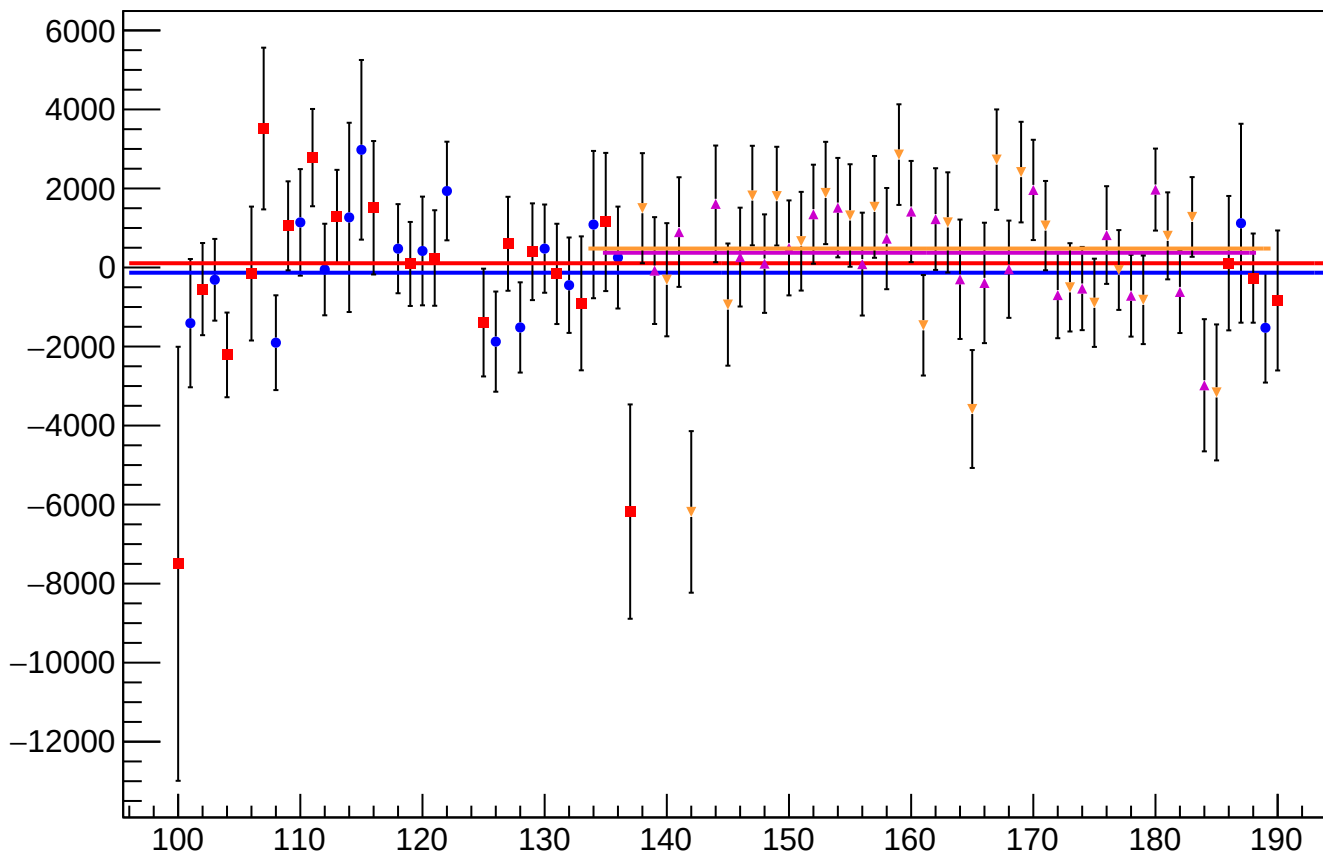
Left In: 0.000+/-0.000 χ^2/NDF : 4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 10030721.2/41

All: 0.000+/-0.000 χ^2/NDF : 18573297.7/85

- sign 0.000+/-0.000 χ^2/NDF : 8025994.6/43

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -132.075 ± 315.055 χ^2/NDF : 14.6/17

Left Out: 479.555 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 107.702 ± 300.084 χ^2/NDF : 24.8/20

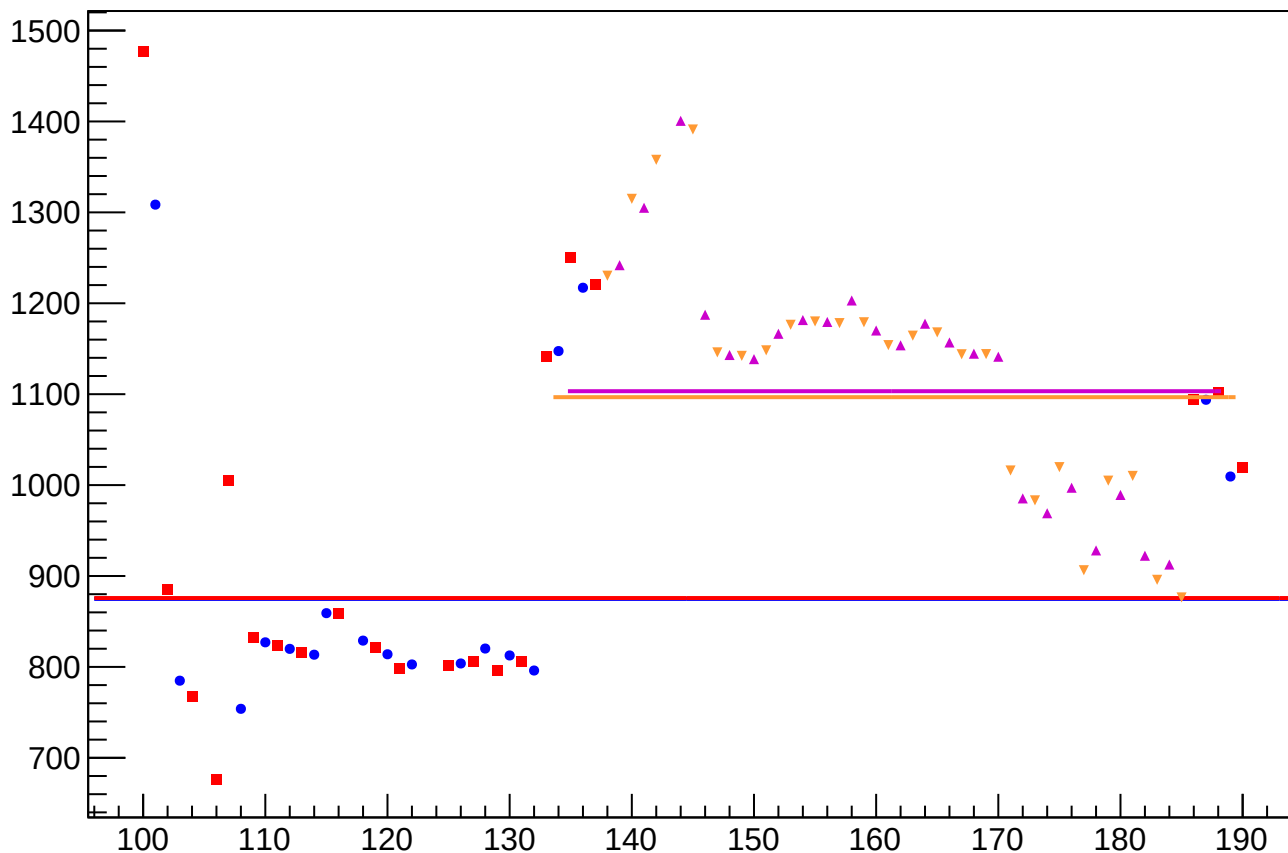
Left In: 372.926 ± 259.314 χ^2/NDF : 16.0/22

+ sign 235.945 ± 198.834 χ^2/NDF : 62.1/41

All: 247.901 ± 139.658 χ^2/NDF : 103.4/85

- sign 259.542 ± 196.206 χ^2/NDF : 41.3/43

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 874.797 $\pm$ 0.223 χ^2 /NDF: 443844.0/17

Left Out: 1096.711 $\pm$ 0.181 χ^2 /NDF:480498.6/23

Right Out: 875.762 $\pm$ 0.210 χ^2 /NDF: 452123.6/20

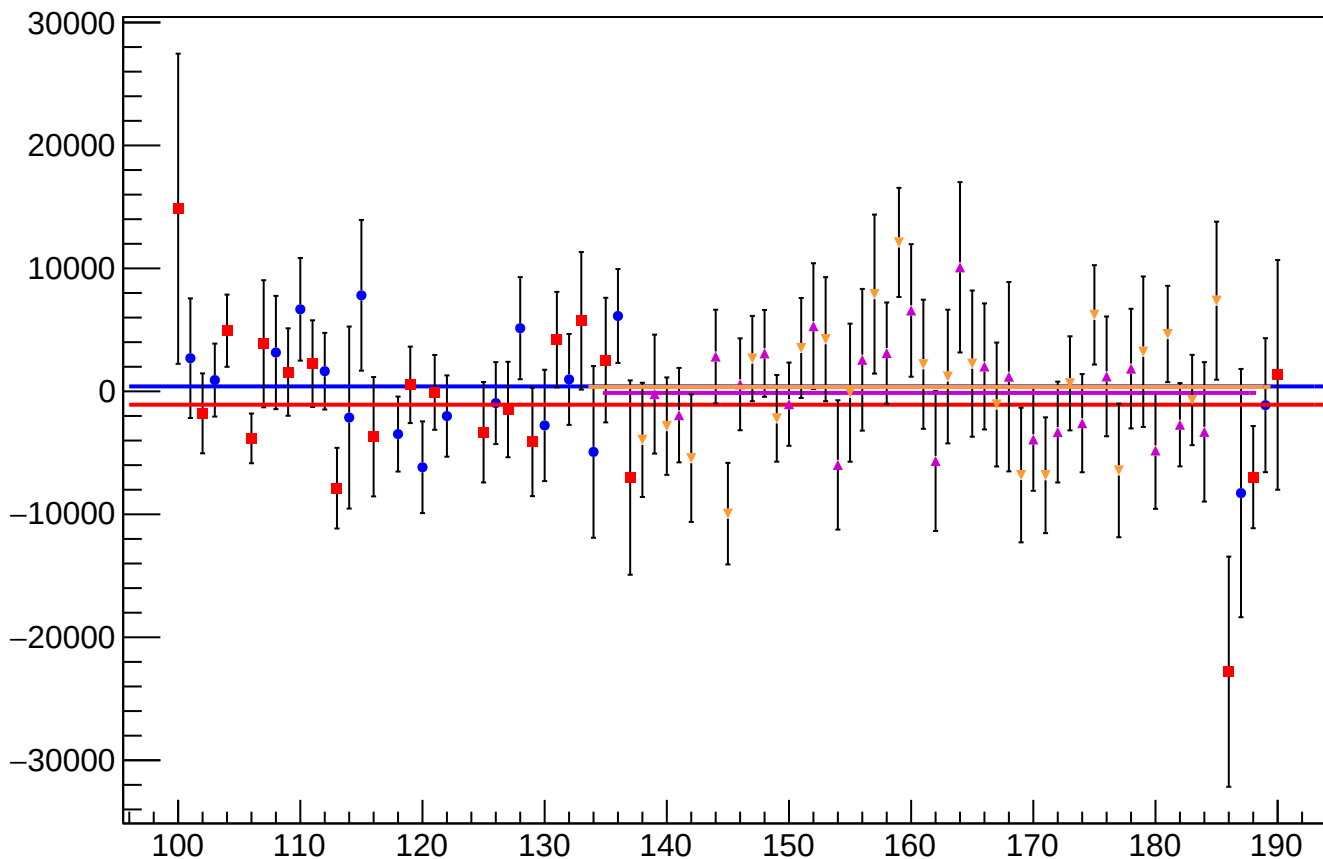
Left In: 1103.281 $\pm$ 0.183 χ^2 /NDF:447540.4/22

+ sign 1008.324 $\pm$ 0.141 χ^2 /NDF: 1521389.7/41

All: 1006.534 $\pm$ 0.099 χ^2 /NDF: 3087737.2/85

- sign 1004.808 $\pm$ 0.138 χ^2 /NDF: 1566029.2/43

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 403.070 $\pm$ 961.370 χ^2 /NDF: 15.5/17

Left Out: 357.729 $\pm$ 934.220 χ^2 /NDF:30.3/23

Right Out: -1085.605 $\pm$ 839.956 χ^2 /NDF: 27.7/20

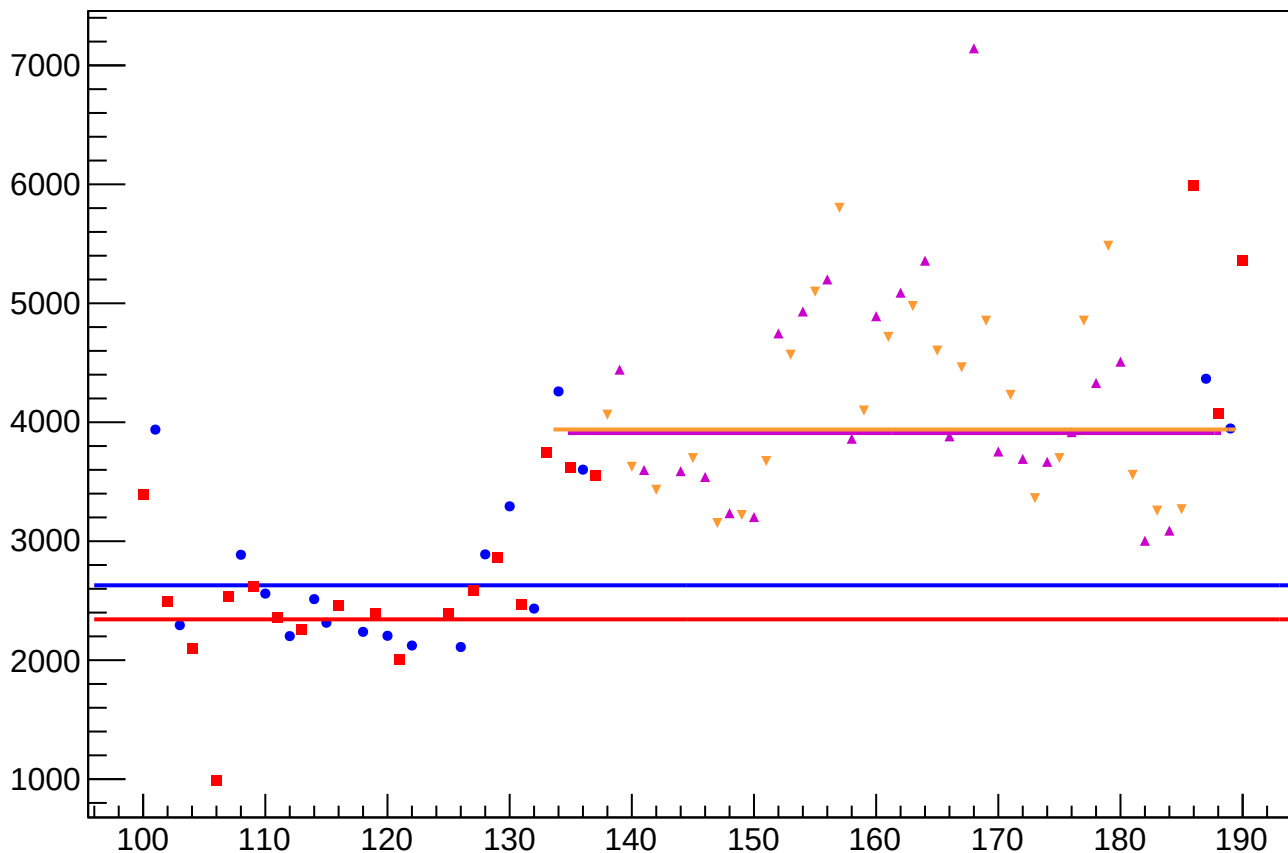
Left In: -126.696 $\pm$ 932.645 χ^2 /NDF:13.8/22

+ sign 379.750 $\pm$ 669.986 χ^2 /NDF: 45.8/41

All: -174.852 $\pm$ 456.683 χ^2 /NDF: 89.0/85

- sign -656.155 $\pm$ 624.143 χ^2 /NDF: 42.0/43

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2629.281 $\pm$ 0.680 χ^2 /NDF: 845938.0/17

Left Out: 3939.261 $\pm$ 0.661 χ^2 /NDF:1092666.9/23

Right Out: 2343.141 $\pm$ 0.594 χ^2 /NDF: 2168501.1/20

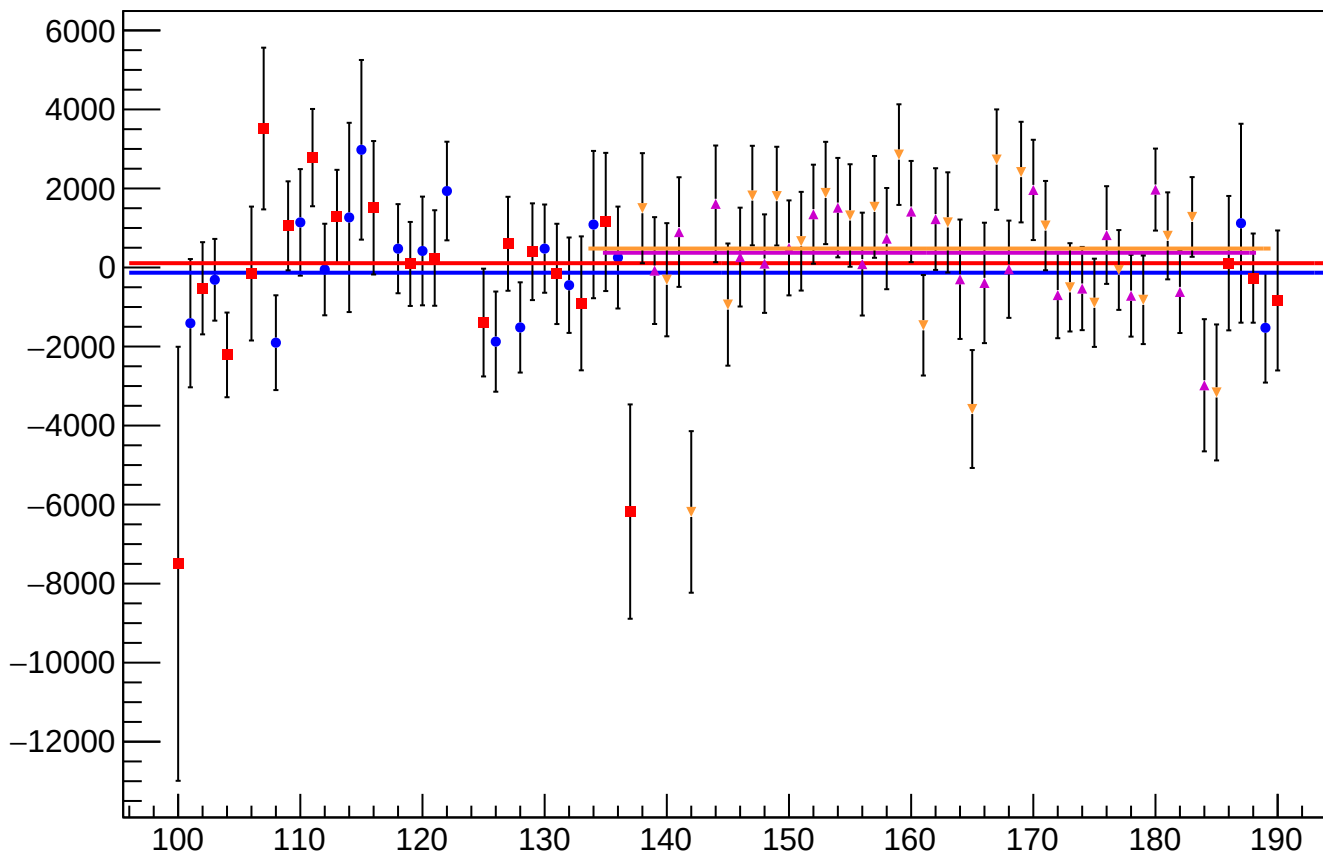
Left In: 3909.133 $\pm$ 0.659 χ^2 /NDF:1300774.2/22

+ sign 3303.030 $\pm$ 0.474 χ^2 /NDF: 3848507.9/41

All: 3164.605 $\pm$ 0.323 χ^2 /NDF: 10590620.3/8

- sign 3044.475 $\pm$ 0.441 χ^2 /NDF: 6582647.1/43

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -132.163 ± 315.055 χ^2/NDF : 14.6/17

Left Out: 479.583 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 109.120 ± 300.088 χ^2/NDF : 24.8/20

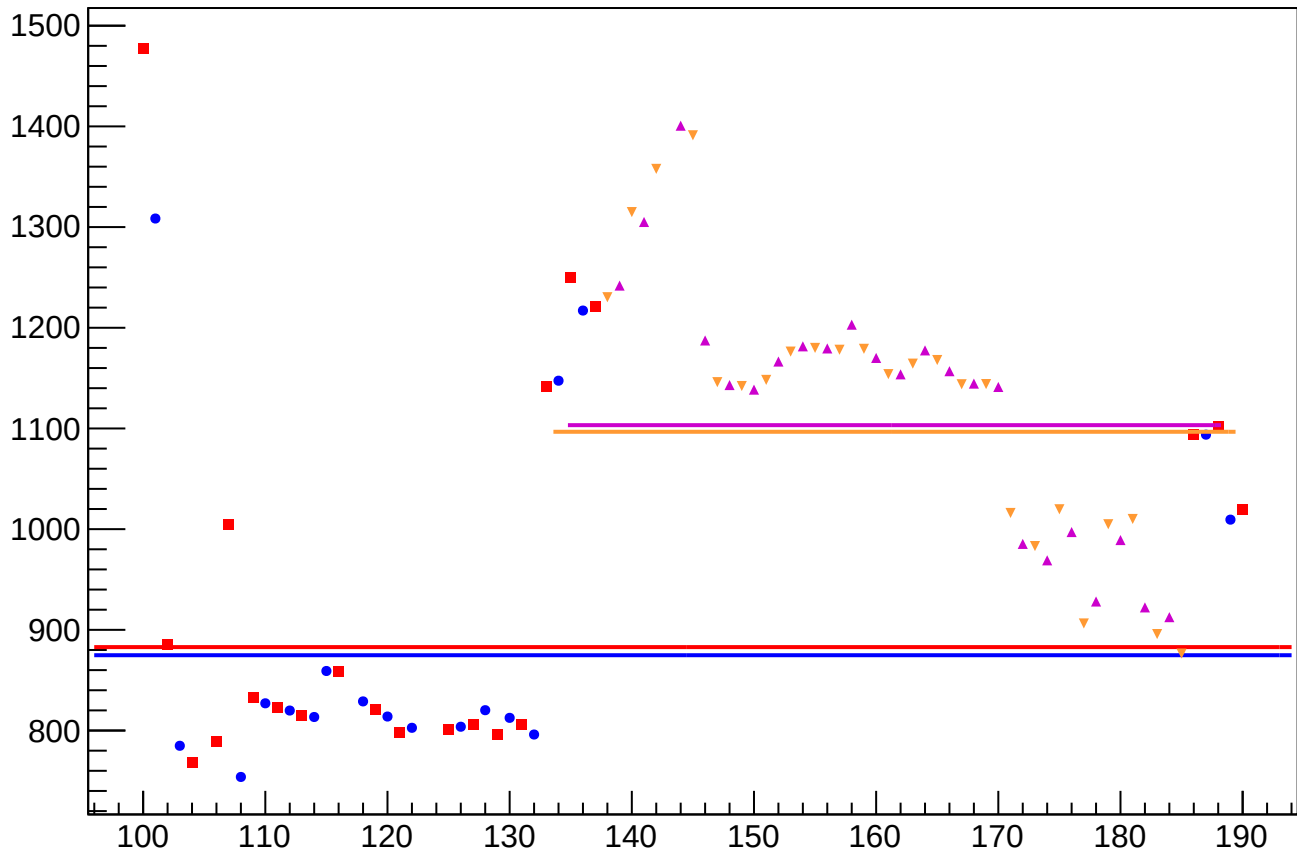
Left In: 372.901 ± 259.314 χ^2/NDF : 16.0/22

+ sign 235.926 ± 198.834 χ^2/NDF : 62.1/41

All: 248.192 ± 139.659 χ^2/NDF : 103.4/85

- sign 260.135 ± 196.207 χ^2/NDF : 41.3/43

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 874.797 $\pm$ 0.223 χ^2/NDF : 443843.7/17

Left Out: 1096.711 $\pm$ 0.181 χ^2/NDF : 480498.6/23

Right Out: 882.860 $\pm$ 0.211 χ^2/NDF : 410395.4/20

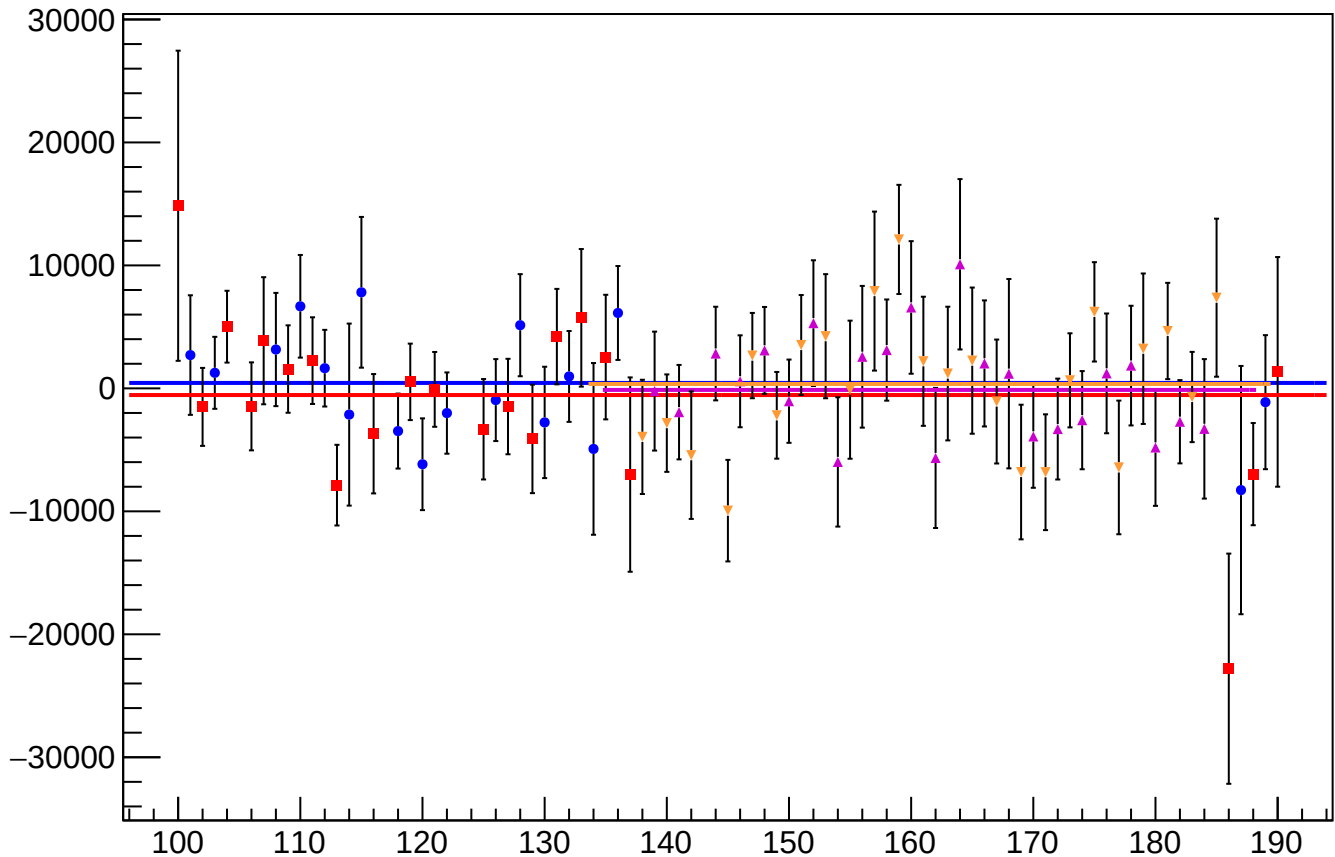
Left In: 1103.281 $\pm$ 0.183 χ^2/NDF : 447540.3/22

+ sign 1008.324 $\pm$ 0.141 χ^2/NDF : 1521389.8/41

All: 1008.446 $\pm$ 0.099 χ^2/NDF : 3000269.9/85

- sign 1008.565 $\pm$ 0.138 χ^2/NDF : 1478878.7/43

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 442.272 $\pm$ 960.021 χ^2 /NDF: 15.5/17

Left Out: 357.728 $\pm$ 934.221 χ^2 /NDF:30.3/23

Right Out: -542.913 $\pm$ 891.985 χ^2 /NDF: 25.6/20

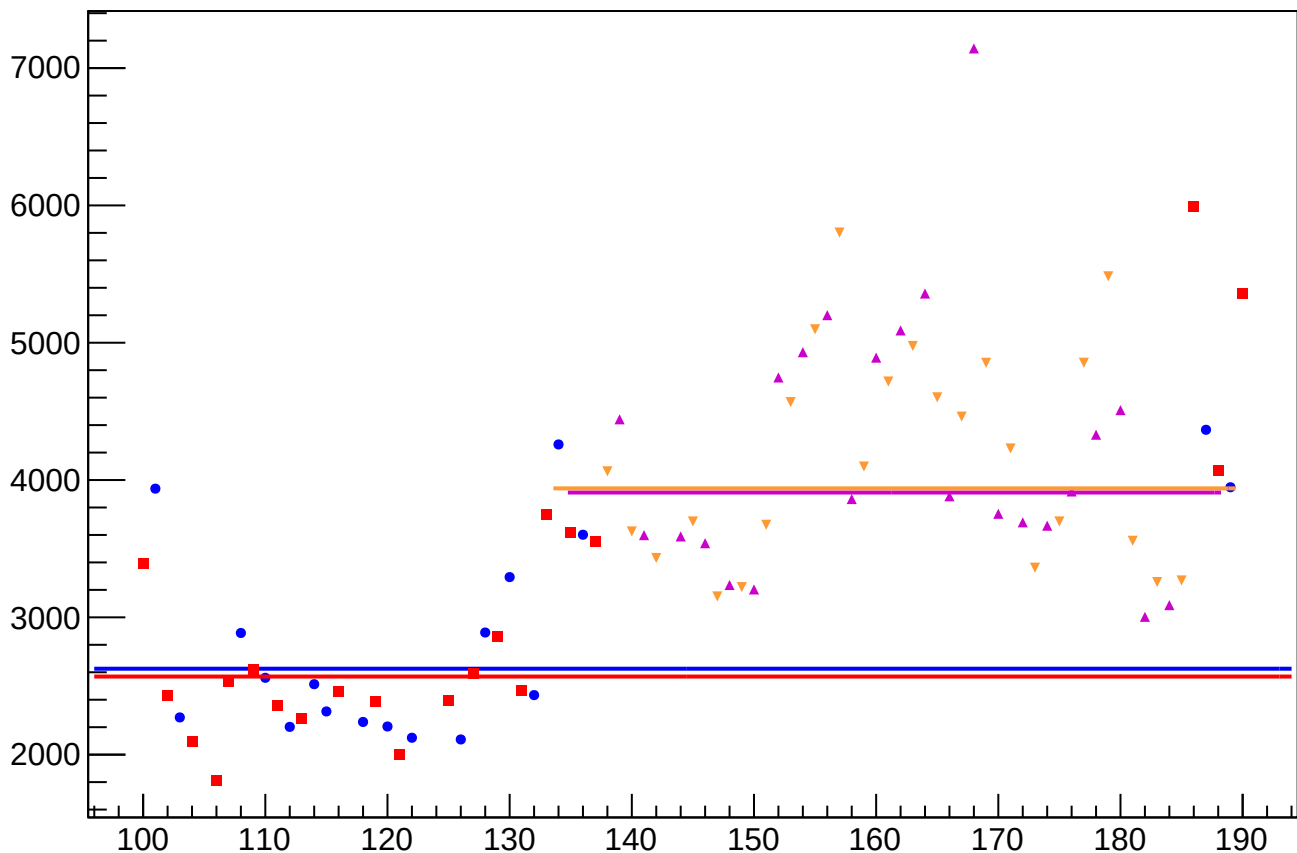
Left In: -126.635 $\pm$ 932.644 χ^2 /NDF:13.8/22

+ sign 398.848 $\pm$ 669.529 χ^2 /NDF: 45.8/41

All: 13.327 $\pm$ 464.373 χ^2 /NDF: 85.9/85

- sign -344.045 $\pm$ 644.623 χ^2 /NDF: 39.5/43

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2625.849+/-0.679 χ^2/NDF : 850190.5/17

Left Out: 3939.266+/-0.661 χ^2/NDF :1092657.5/23

Right Out: 2568.800+/-0.631 χ^2/NDF : 1183601.3/20

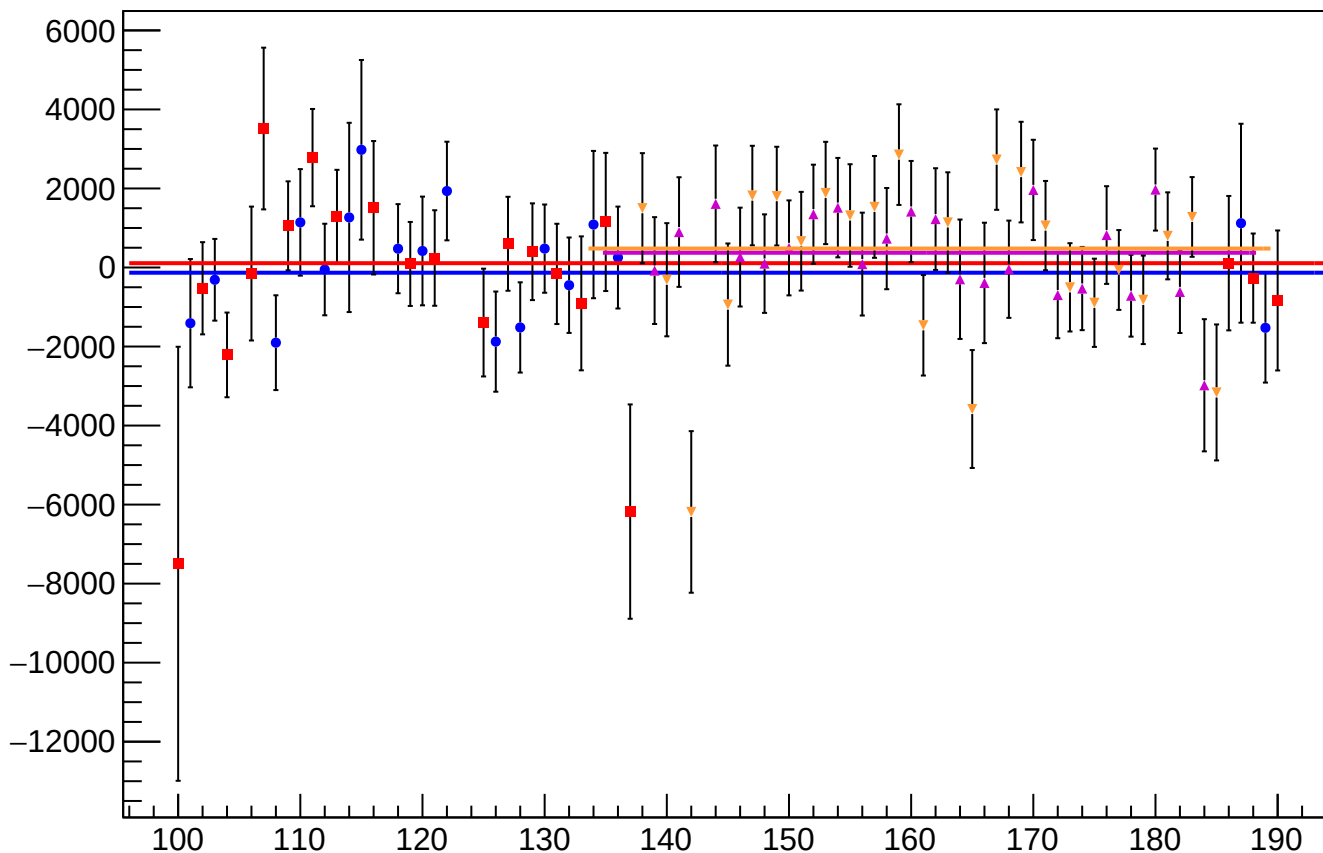
Left In: 3909.128+/-0.659 χ^2/NDF :1300782.7/22

+ sign 3300.443+/-0.473 χ^2/NDF : 3865555.7/41

All: 3253.047+/-0.328 χ^2/NDF : 8526586.7/85

- sign 3209.111+/-0.456 χ^2/NDF : 4641717.5/43

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -132.163 ± 315.055 χ^2/NDF : 14.6/17

Left Out: 479.583 ± 256.330 χ^2/NDF : 45.2/23

Right Out: 109.120 ± 300.088 χ^2/NDF : 24.8/20

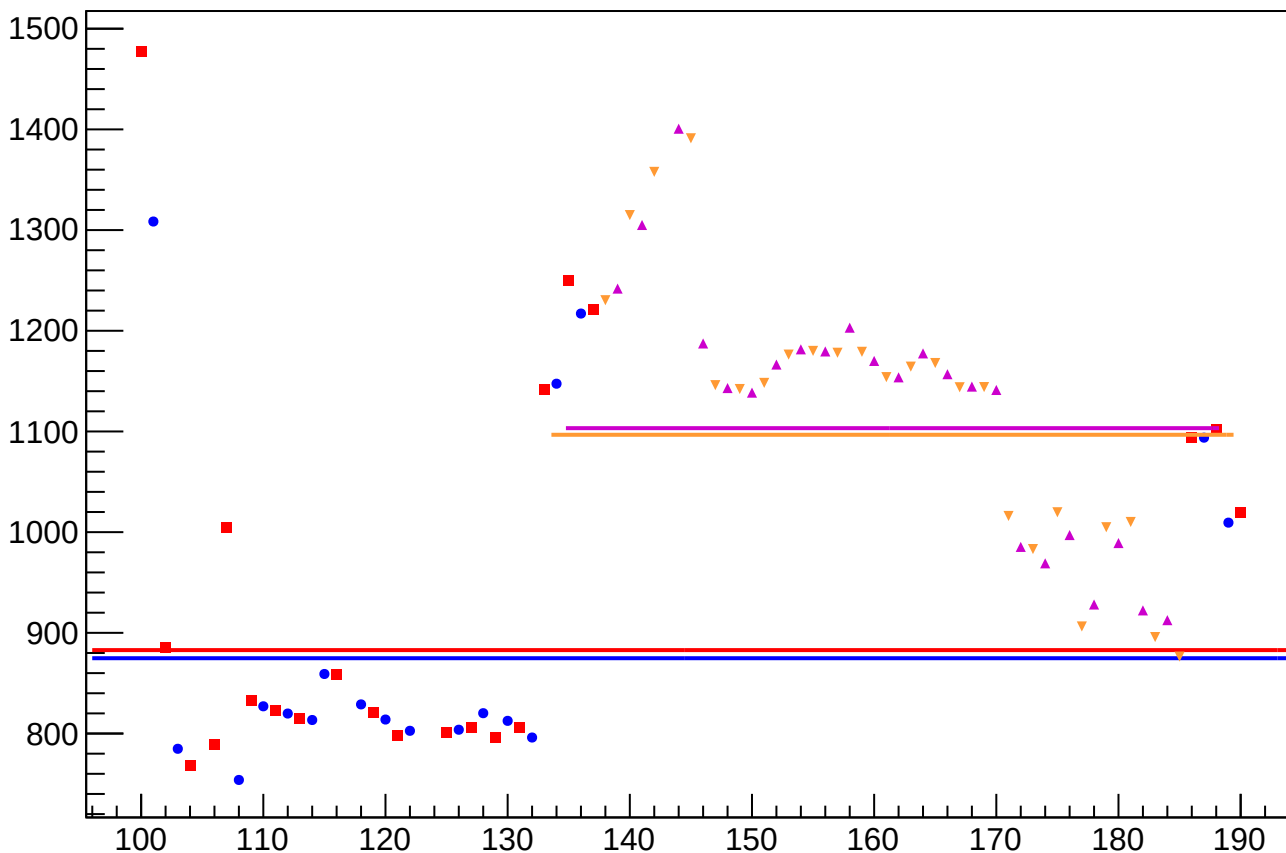
Left In: 372.901 ± 259.314 χ^2/NDF : 16.0/22

+ sign 235.926 ± 198.834 χ^2/NDF : 62.1/41

All: 248.192 ± 139.659 χ^2/NDF : 103.4/85

- sign 260.135 ± 196.207 χ^2/NDF : 41.3/43

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 874.797 $\pm$ 0.223 χ^2/NDF : 443843.7/17

Left Out: 1096.711 $\pm$ 0.181 χ^2/NDF :480498.6/23

Right Out: 882.860 $\pm$ 0.211 χ^2/NDF : 410395.4/20

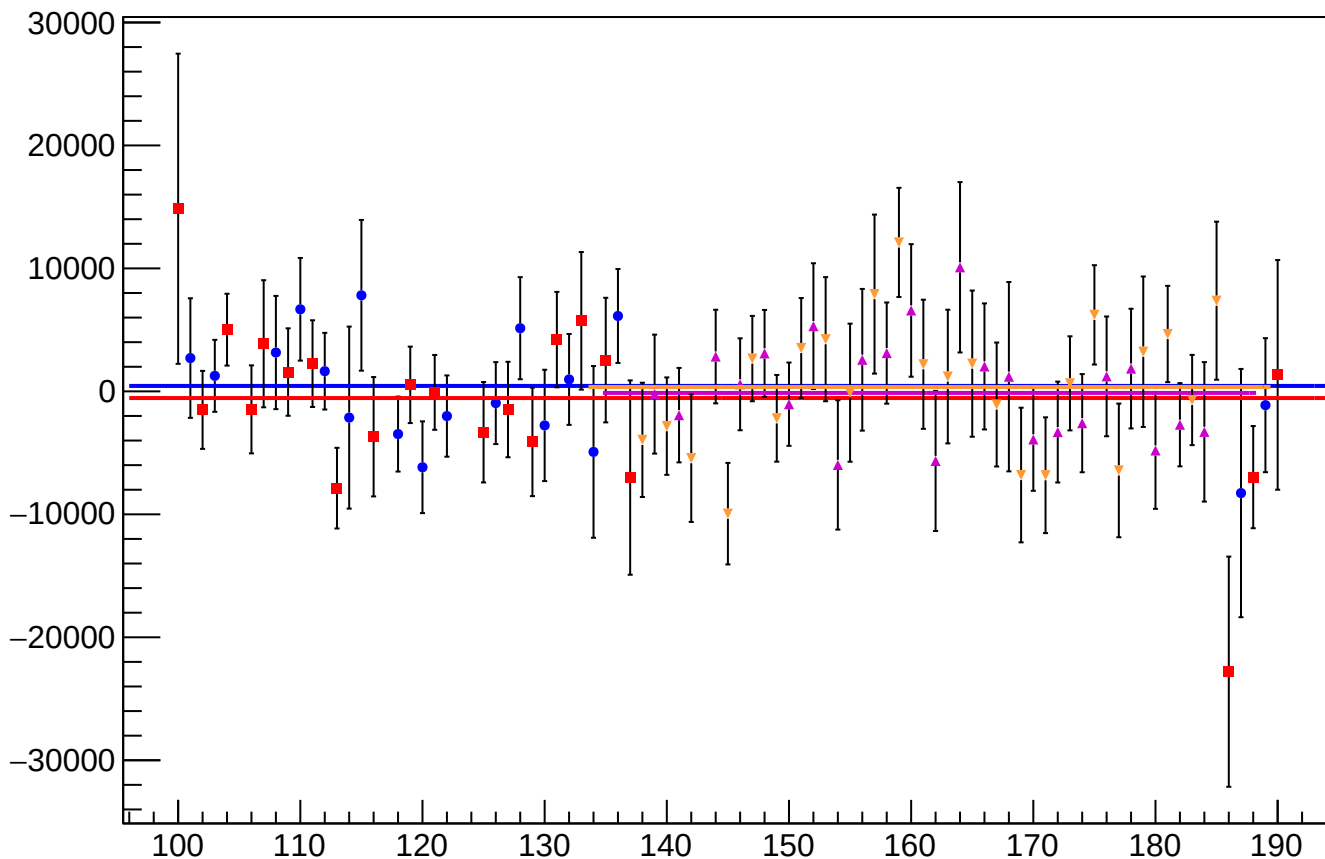
Left In: 1103.281 $\pm$ 0.183 χ^2/NDF :447540.3/22

+ sign 1008.324 $\pm$ 0.141 χ^2/NDF : 1521389.8/41

All: 1008.446 $\pm$ 0.099 χ^2/NDF : 3000269.9/85

- sign 1008.565 $\pm$ 0.138 χ^2/NDF : 1478878.7/43

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: 442.272 $\pm$ 960.021 χ^2 /NDF: 15.5/17

Left Out: 357.728 $\pm$ 934.221 χ^2 /NDF:30.3/23

Right Out: -542.913 $\pm$ 891.985 χ^2 /NDF: 25.6/20

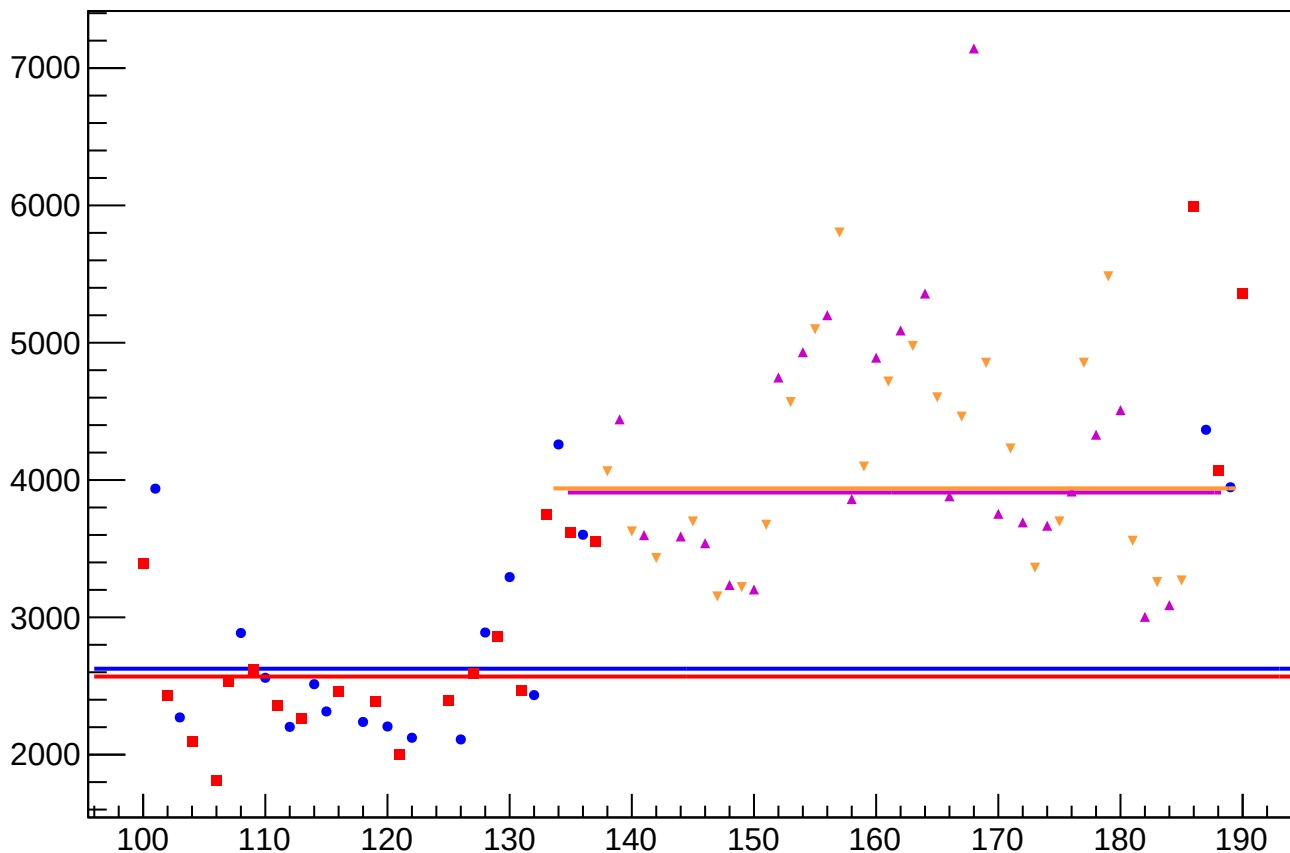
Left In: -126.635 $\pm$ 932.644 χ^2 /NDF:13.8/22

+ sign 398.848 $\pm$ 669.529 χ^2 /NDF: 45.8/41

All: 13.327 $\pm$ 464.373 χ^2 /NDF: 85.9/85

- sign -344.045 $\pm$ 644.623 χ^2 /NDF: 39.5/43

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2625.849 $\pm$ 0.679 χ^2 /NDF: 850190.5/17

Left Out: 3939.266 $\pm$ 0.661 χ^2 /NDF:1092657.5/23

Right Out: 2568.800 $\pm$ 0.631 χ^2 /NDF: 1183601.3/20

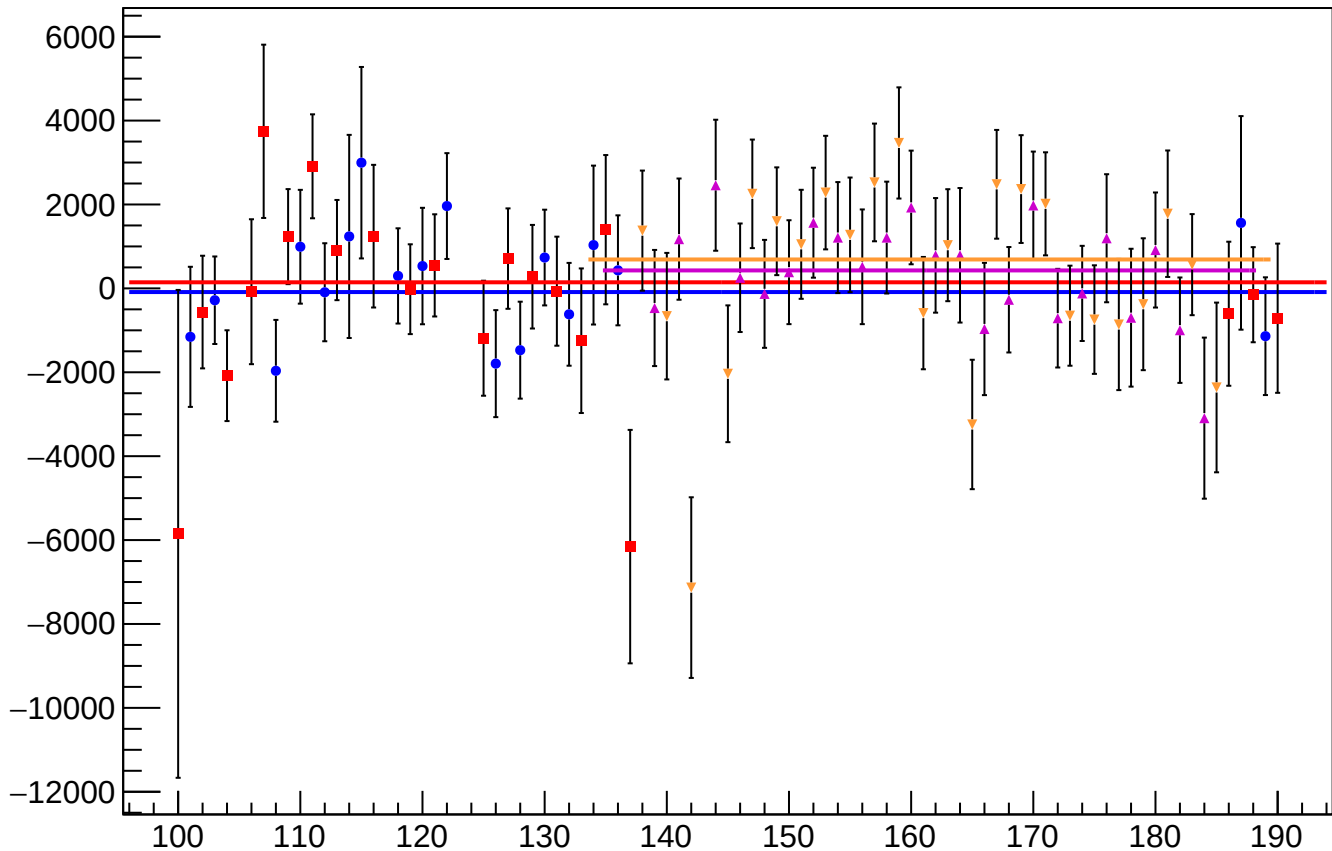
Left In: 3909.128 $\pm$ 0.659 χ^2 /NDF:1300782.7/22

+ sign 3300.443 $\pm$ 0.473 χ^2 /NDF: 3865555.7/41

All: 3253.047 $\pm$ 0.328 χ^2 /NDF: 8526586.7/85

- sign 3209.111 $\pm$ 0.456 χ^2 /NDF: 4641717.5/43

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -87.682 ± 318.789 $\chi^2/\text{NDF}: 14.0/17$

Left Out: 689.087 ± 284.388 $\chi^2/\text{NDF}: 45.7/23$

Right Out: 144.818 ± 305.355 $\chi^2/\text{NDF}: 23.5/20$

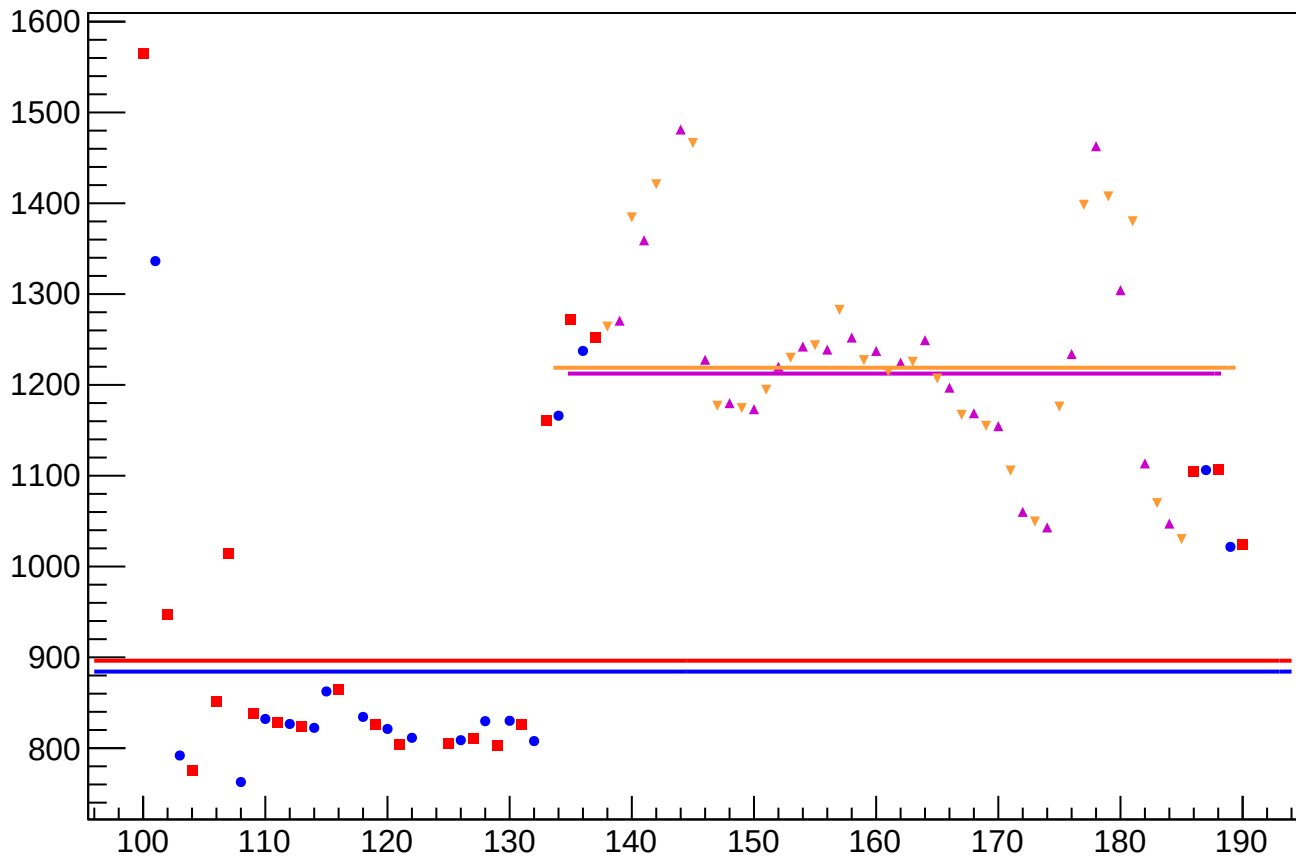
Left In: 428.052 ± 284.383 $\chi^2/\text{NDF}: 14.6/22$

+ sign 344.860 ± 212.217 $\chi^2/\text{NDF}: 63.0/41$

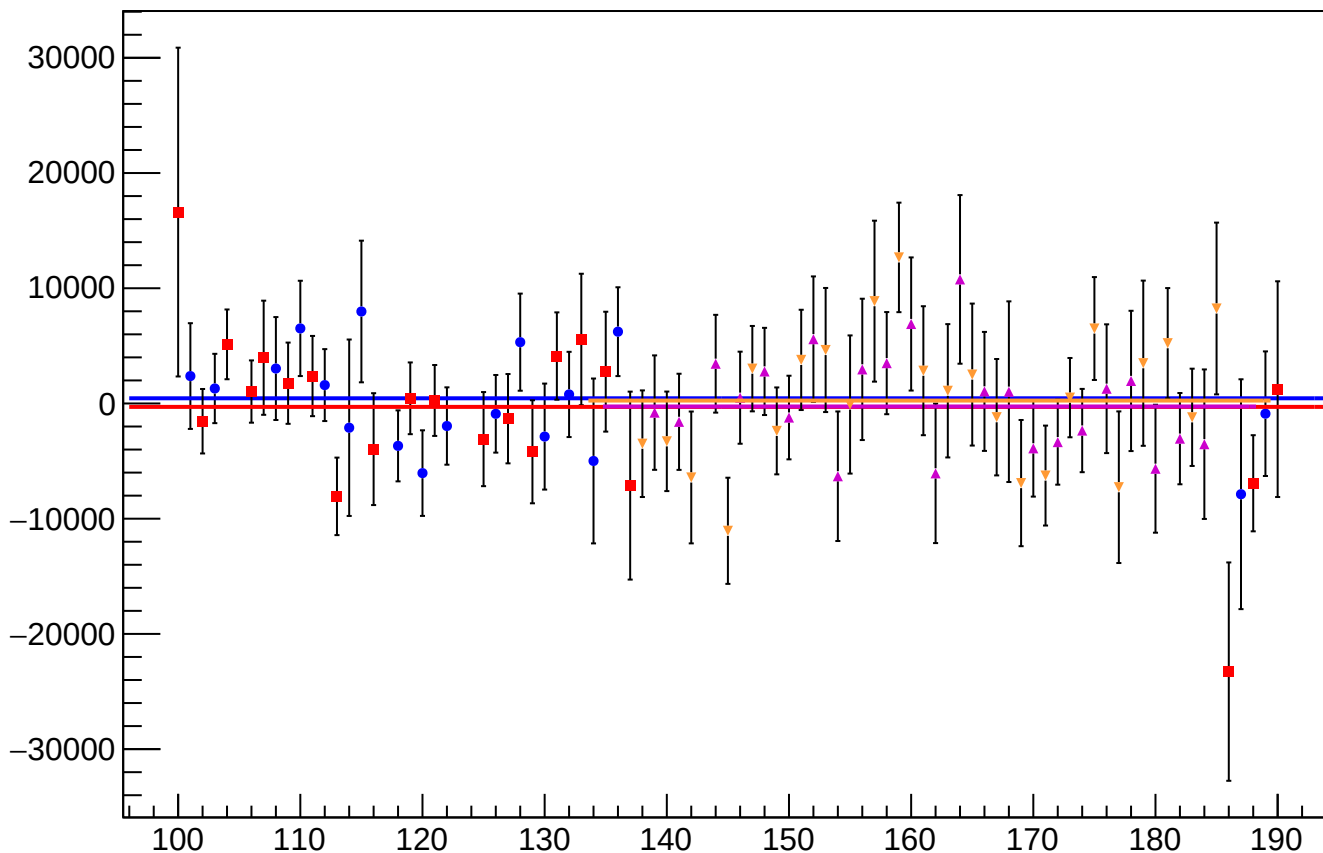
All: 320.205 ± 148.586 $\chi^2/\text{NDF}: 101.6/85$

- sign 296.495 ± 208.109 $\chi^2/\text{NDF}: 38.5/43$

dit_asym_usl_atl2_dd_rms vs Slug



asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 449.740 $\pm$ 964.406 χ^2 /NDF: 15.5/17

Left Out: 252.803 $\pm$ 995.149 χ^2 /NDF: 29.7/23

Right Out: -297.056 $\pm$ 866.829 χ^2 /NDF: 25.9/20

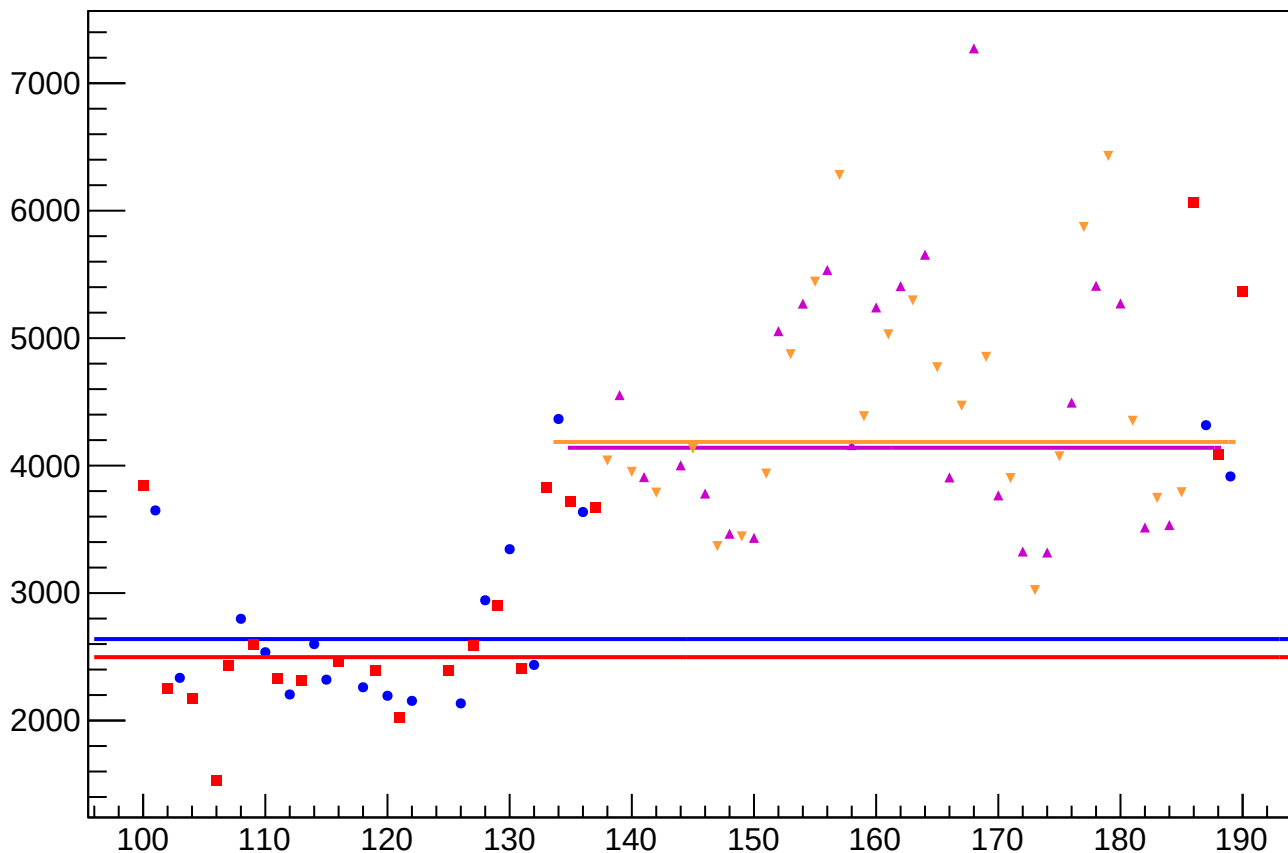
Left In: -266.235 $\pm$ 990.083 χ^2 /NDF: 13.4/22

+ sign 354.361 $\pm$ 692.552 χ^2 /NDF: 45.2/41

All: 16.206 $\pm$ 474.796 χ^2 /NDF: 85.0/85

- sign -283.682 $\pm$ 652.190 χ^2 /NDF: 39.4/43

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2639.072 $\pm$ 0.682 χ^2 /NDF: 792246.9/17

Left Out: 4185.656 $\pm$ 0.704 χ^2 /NDF:1271248.5/23

Right Out: 2497.408 $\pm$ 0.613 χ^2 /NDF: 1416491.1/20

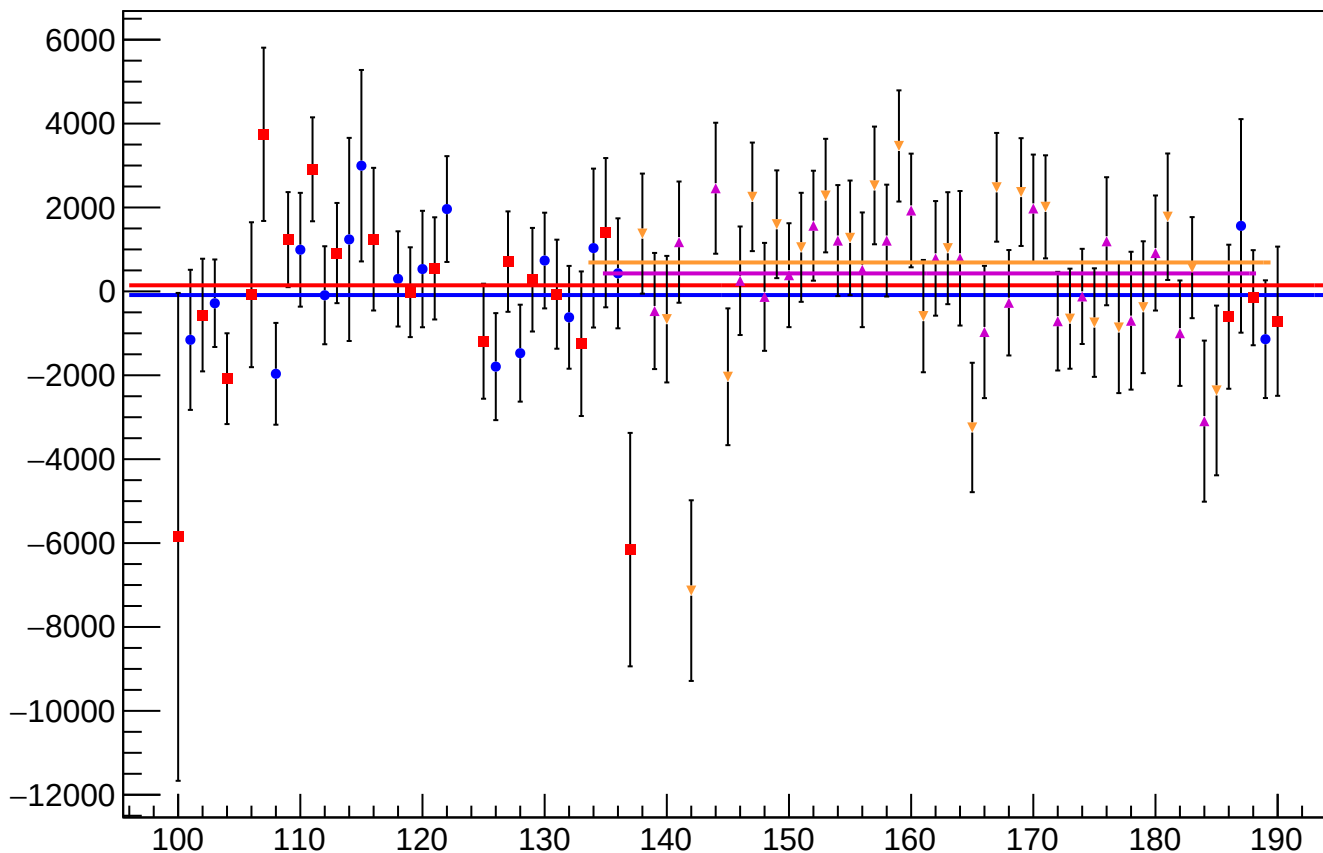
Left In: 4140.051 $\pm$ 0.700 χ^2 /NDF:1449924.0/22

+ sign 3388.106 $\pm$ 0.490 χ^2 /NDF: 4554558.7/41

All: 3293.805 $\pm$ 0.336 χ^2 /NDF: 10607351.8/8

- sign 3210.176 $\pm$ 0.461 χ^2 /NDF: 5982827.0/43

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -87.686 ± 318.789 $\chi^2/\text{NDF}: 14.0/17$

Left Out: 689.089 ± 284.388 $\chi^2/\text{NDF}: 45.7/23$

Right Out: 144.822 ± 305.355 $\chi^2/\text{NDF}: 23.5/20$

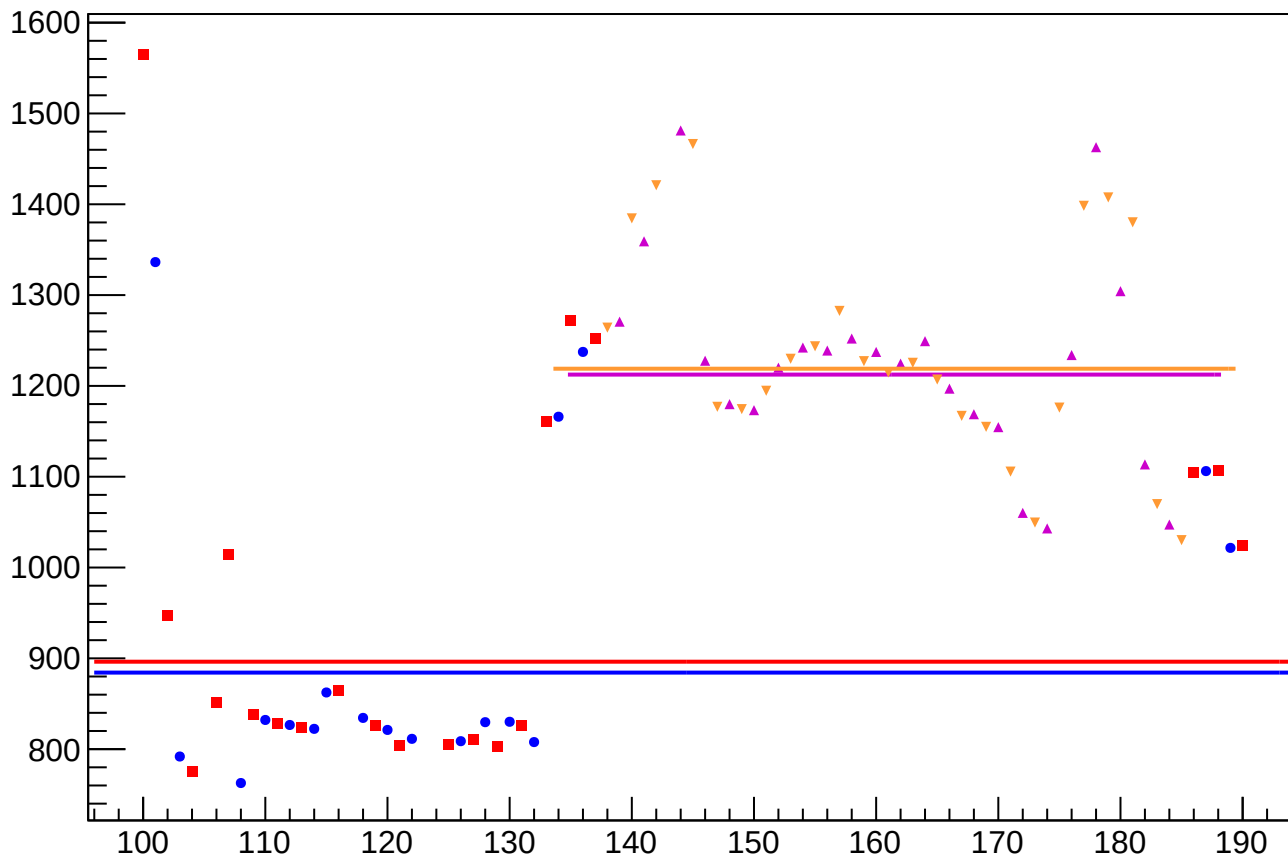
Left In: 428.050 ± 284.383 $\chi^2/\text{NDF}: 14.6/22$

+ sign 344.860 ± 212.217 $\chi^2/\text{NDF}: 63.0/41$

All: 320.205 ± 148.586 $\chi^2/\text{NDF}: 101.6/85$

- sign 296.495 ± 208.109 $\chi^2/\text{NDF}: 38.5/43$

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 884.302 $\pm$ 0.225 χ^2 /NDF: 453810.3/17

Left Out: 1218.929 $\pm$ 0.201 χ^2 /NDF:293885.7/23

Right Out: 896.302 $\pm$ 0.216 χ^2 /NDF: 415413.6/20

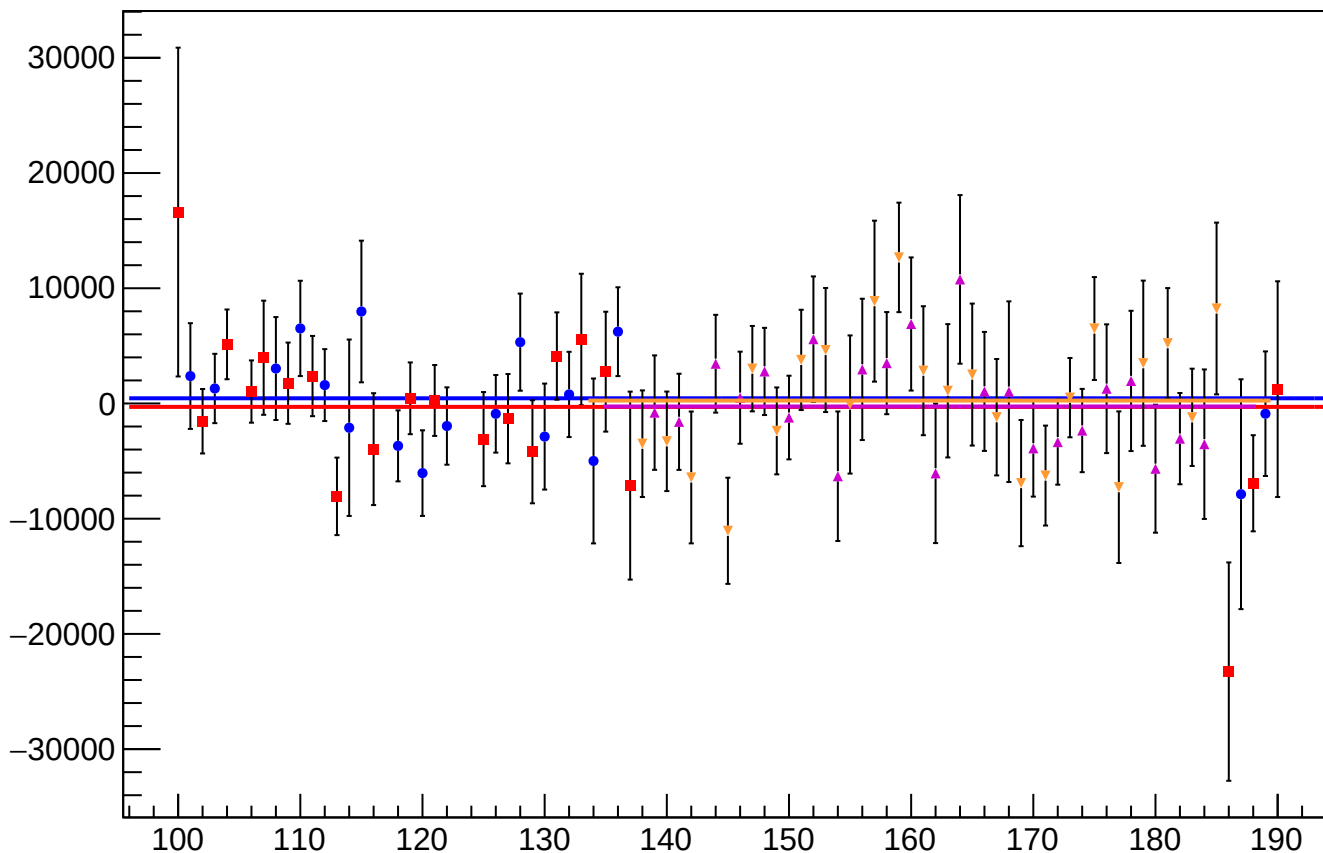
Left In: 1212.448 $\pm$ 0.201 χ^2 /NDF:260330.4/22

+ sign 1070.638 $\pm$ 0.150 χ^2 /NDF: 1974803.7/41

All: 1068.002 $\pm$ 0.105 χ^2 /NDF: 3800274.7/85

- sign 1065.469 $\pm$ 0.147 χ^2 /NDF: 1824865.8/43

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 449.737 $\pm$ 964.403 χ^2 /NDF: 15.5/17

Left Out: 252.805 $\pm$ 995.151 χ^2 /NDF:29.7/23

Right Out: -297.052 $\pm$ 866.827 χ^2 /NDF: 25.9/20

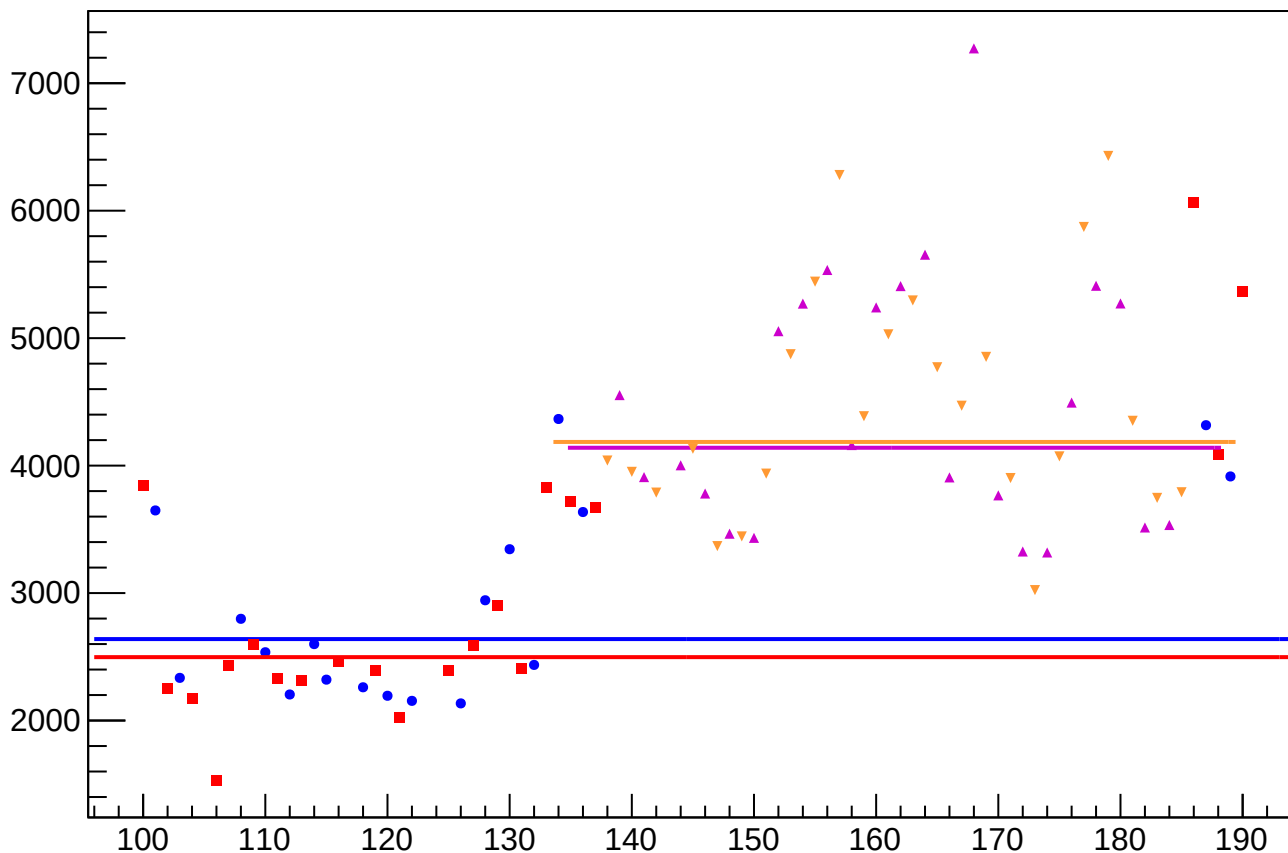
Left In: -266.236 $\pm$ 990.085 χ^2 /NDF:13.4/22

+ sign 354.360 $\pm$ 692.551 χ^2 /NDF: 45.2/41

All: 16.207 $\pm$ 474.796 χ^2 /NDF: 85.0/85

- sign -283.680 $\pm$ 652.189 χ^2 /NDF: 39.4/43

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2639.064 $\pm$ 0.682 χ^2 /NDF: 792256.2/17

Left Out: 4185.664 $\pm$ 0.704 χ^2 /NDF: 1271247.4/23

Right Out: 2497.401 $\pm$ 0.613 χ^2 /NDF: 1416499.8/20

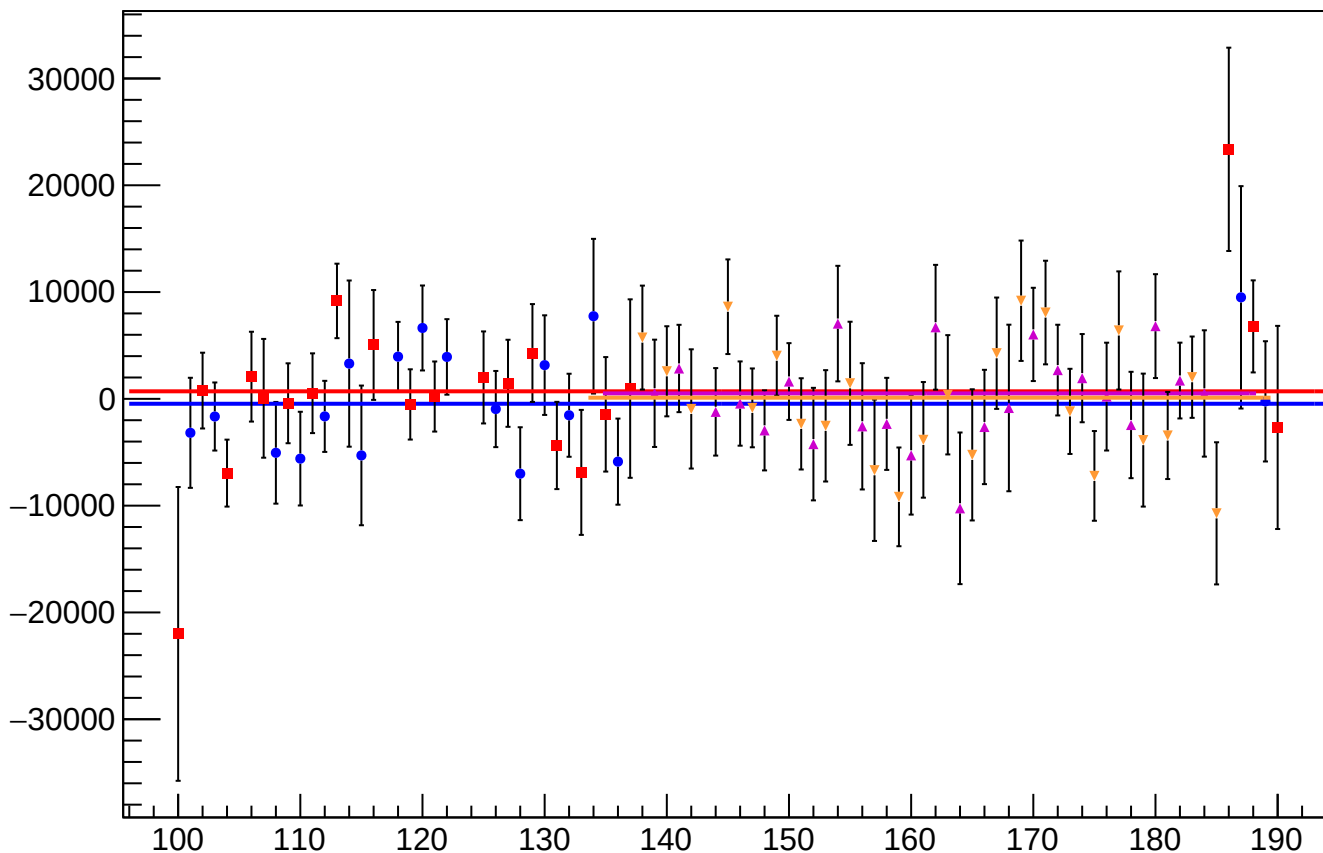
Left In: 4140.059 $\pm$ 0.700 χ^2 /NDF: 1449925.1/22

+ sign 3388.102 $\pm$ 0.490 χ^2 /NDF: 4554622.1/41

All: 3293.801 $\pm$ 0.336 χ^2 /NDF: 10607480.0/8

- sign 3210.172 $\pm$ 0.461 χ^2 /NDF: 5982891.6/43

asym_usl_atl2_dd_mean vs Slug



Right In: -458.939+/-1018.098 χ^2/NDF : 17.2/17

Left Out: 108.966+/-975.598 χ^2/NDF : 28.0/23

Right Out: 705.970+/-953.665 χ^2/NDF : 27.6/20

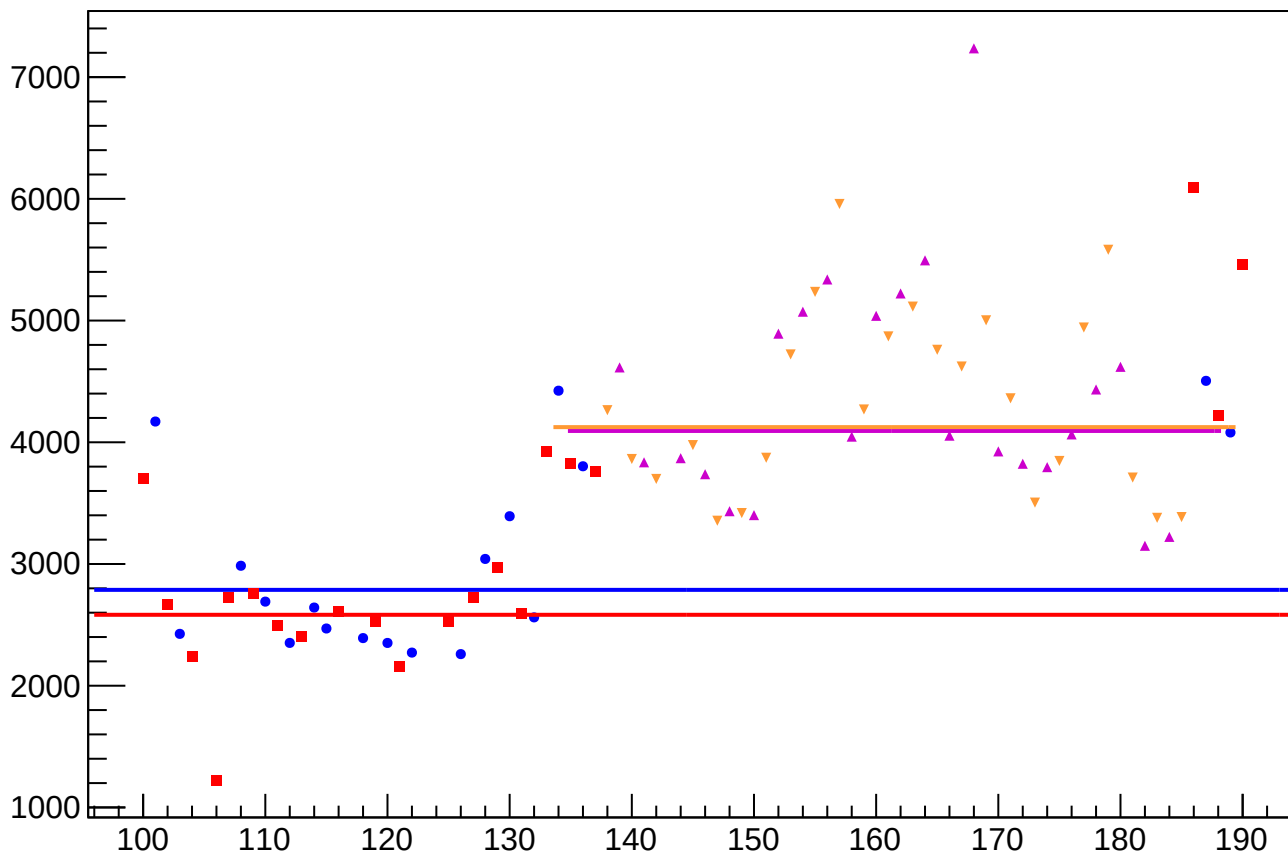
Left In: 509.024+/-974.173 χ^2/NDF : 13.5/22

+ sign -162.886+/-704.398 χ^2/NDF : 45.4/41

All: 236.125+/-489.780 χ^2/NDF : 87.1/85

- sign 609.592+/-681.478 χ^2/NDF : 41.1/43

asym_usl_atl2_dd_rms vs Slug



Right In: 2787.514 $\pm$ 0.720 χ^2 /NDF: 789898.2/17

Left Out: 4124.485 $\pm$ 0.690 χ^2 /NDF:969929.3/23

Right Out: 2582.663 $\pm$ 0.646 χ^2 /NDF: 1680771.3/20

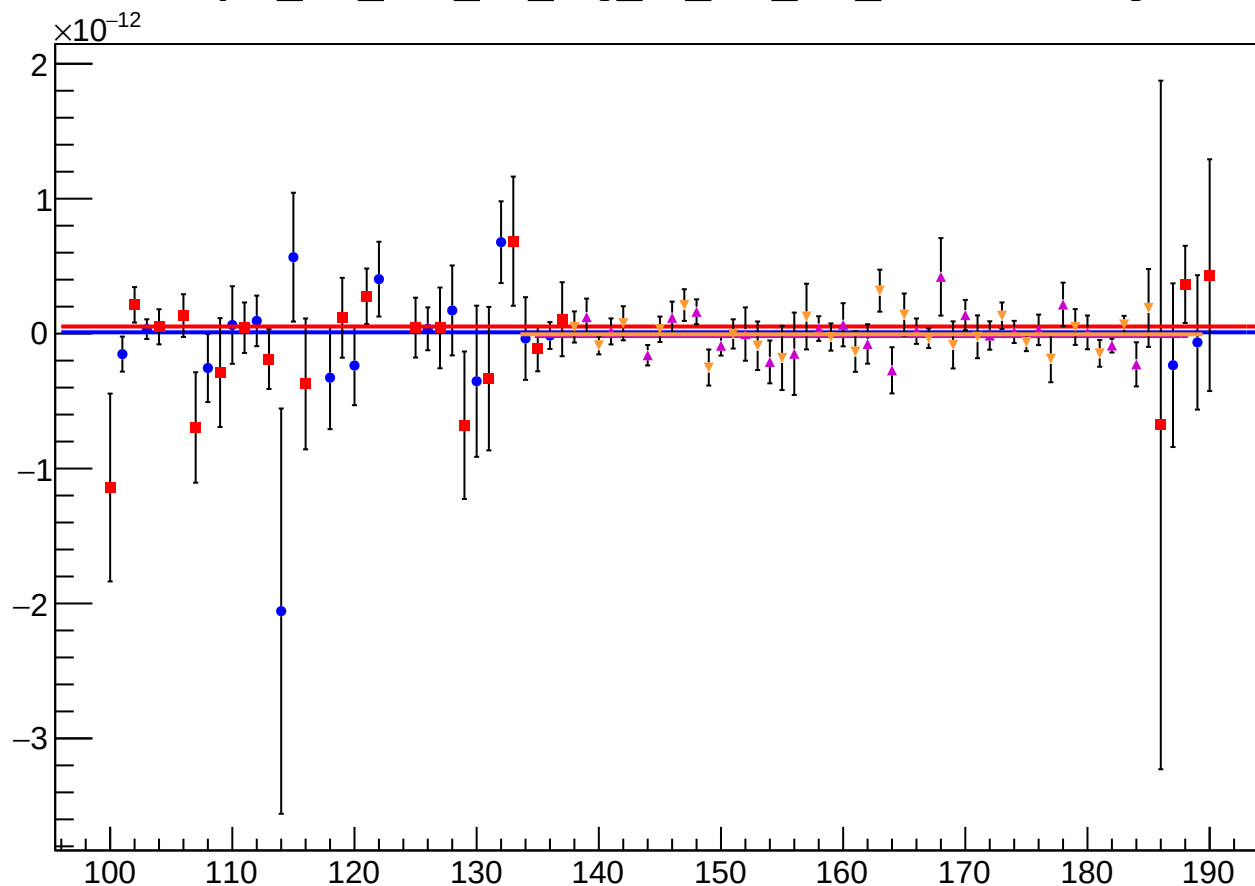
Left In: 4093.066 $\pm$ 0.689 χ^2 /NDF:1162851.8/22

+ sign 3484.485 $\pm$ 0.498 χ^2 /NDF: 3557825.6/41

All: 3381.210 $\pm$ 0.342 χ^2 /NDF: 9042776.5/85

- sign 3288.855 $\pm$ 0.471 χ^2 /NDF: 5403513.1/43

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.6/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.5/20

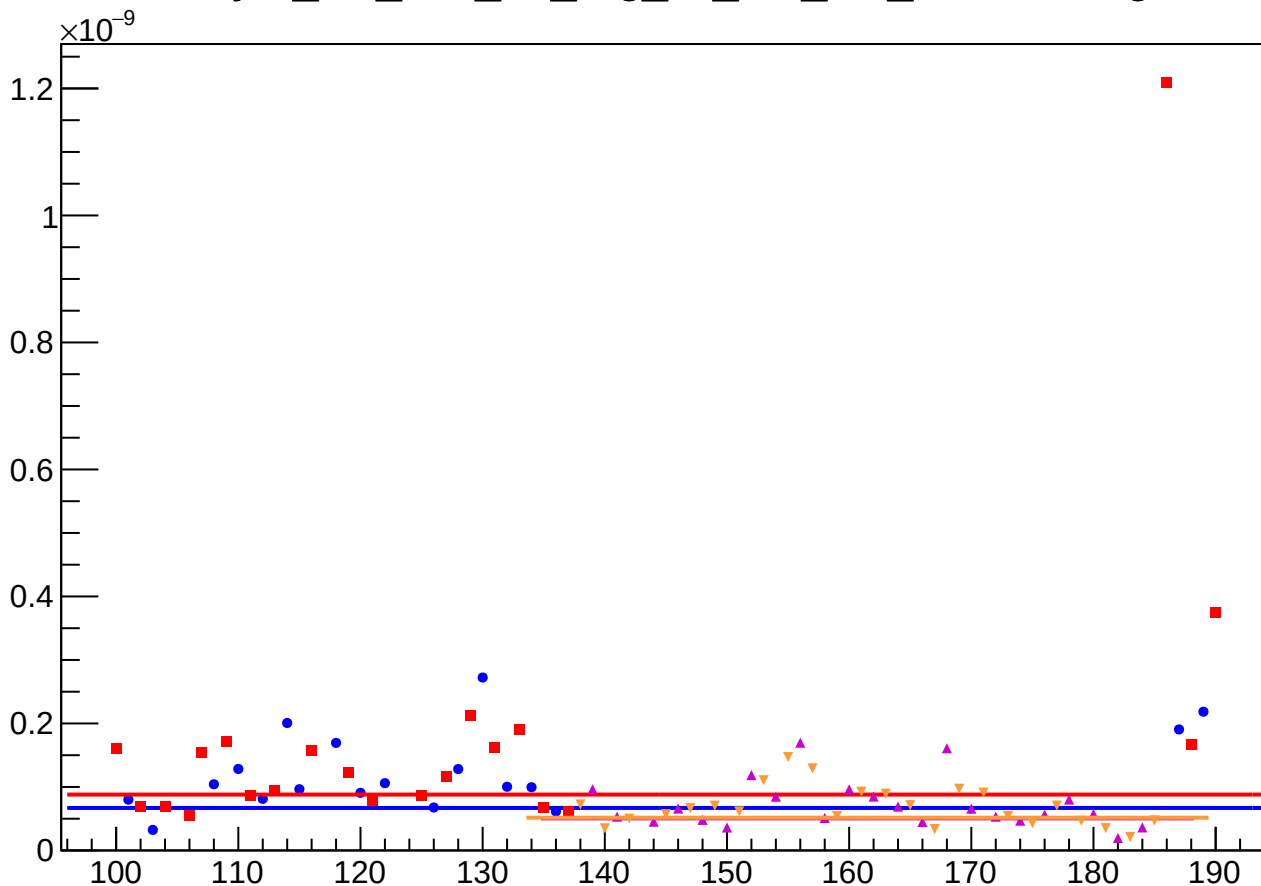
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 39.8/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 85.6/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 45.7/43

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 1494394.2/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2269565.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1464395.3/20

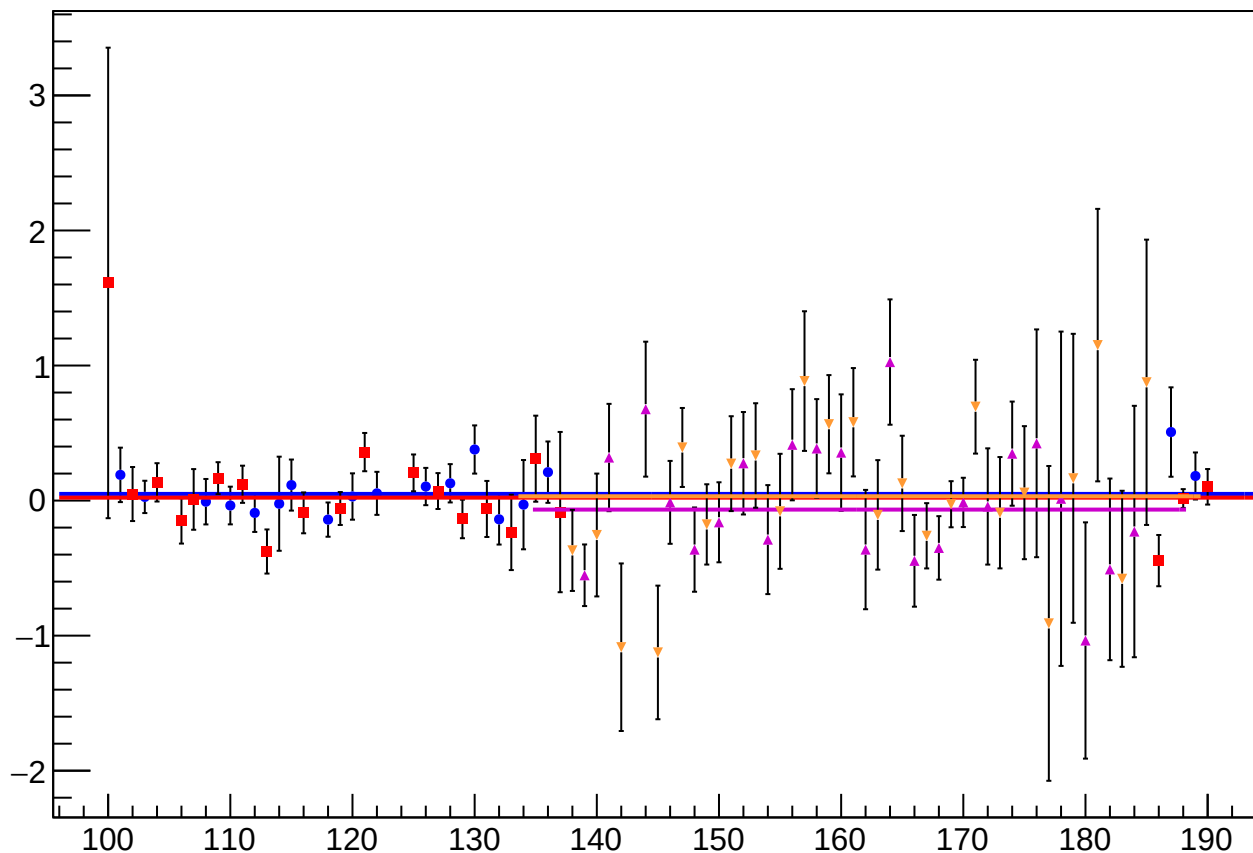
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2433650.3/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3960312.2/41

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8733977.8/85

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4768640.2/43

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.049 ± 0.040 χ^2/NDF : 12.4/17

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.022 ± 0.032 χ^2/NDF : 28.6/20

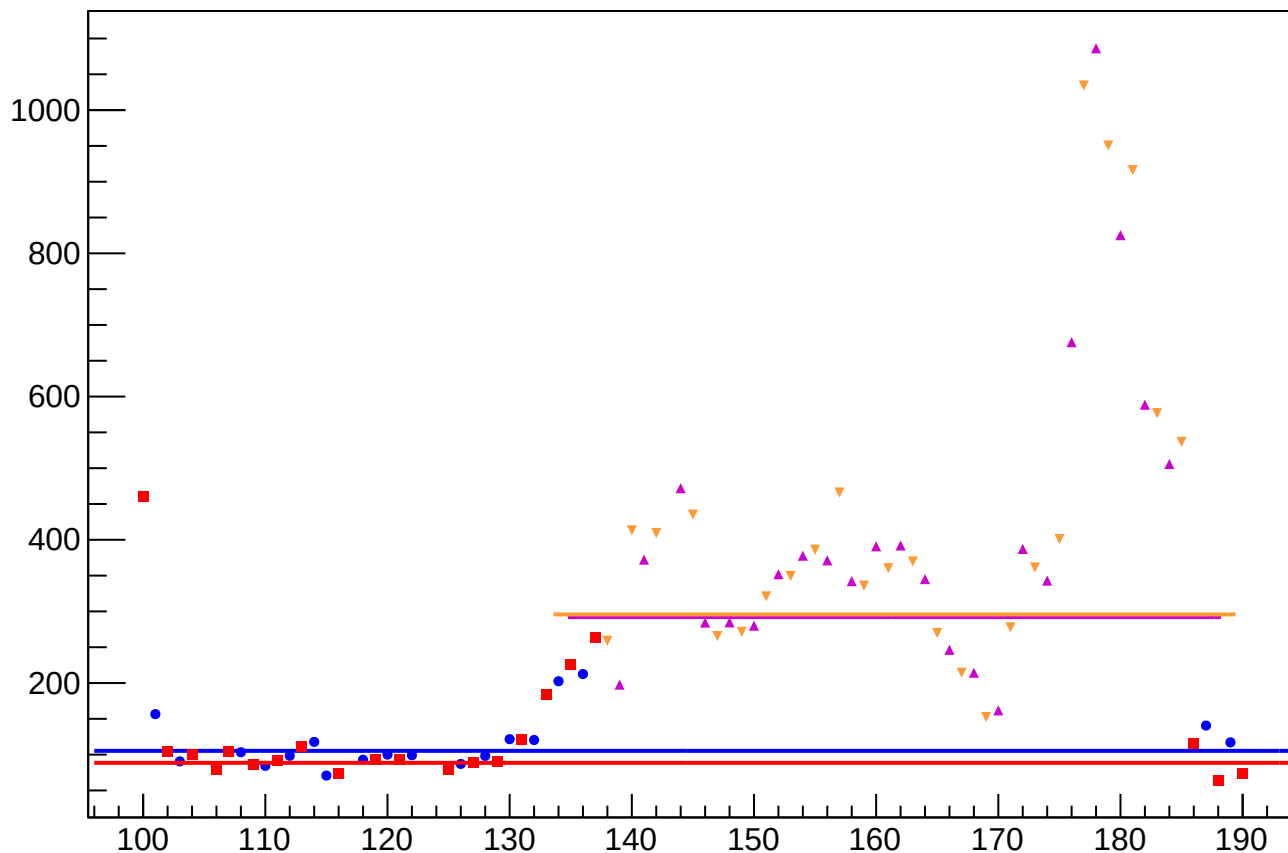
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.046 ± 0.035 χ^2/NDF : 42.1/41

All: 0.024 ± 0.023 χ^2/NDF : 98.3/85

- sign 0.008 ± 0.030 χ^2/NDF : 55.5/43

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 105.298+/-0.028 χ^2/NDF : 1023518.4/17

Left Out: 295.798+/-0.054 χ^2/NDF : 5501077.8/23

Right Out: 88.533+/-0.023 χ^2/NDF : 1366667.7/20

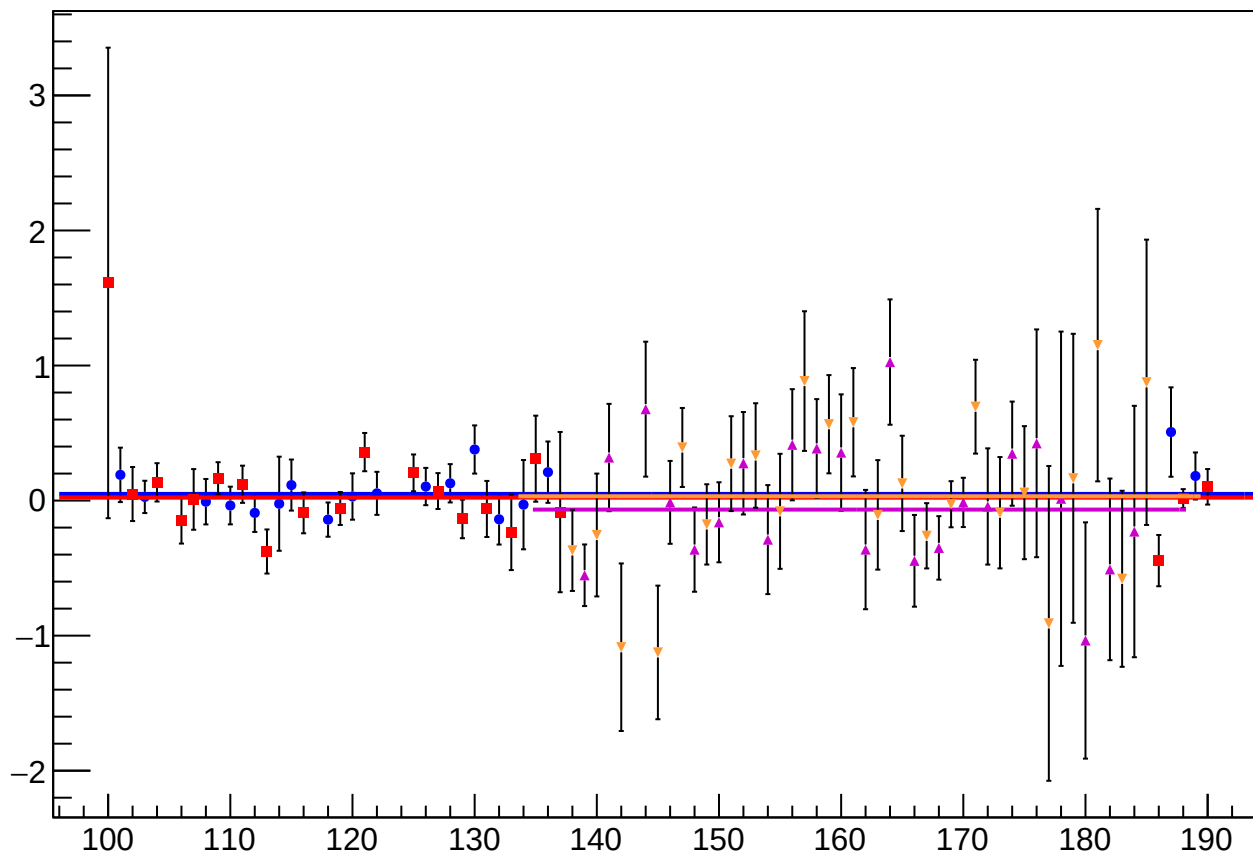
Left In: 292.100+/-0.053 χ^2/NDF : 5055737.7/22

+ sign 146.050+/-0.025 χ^2/NDF : 16401088.9/41

All: 131.294+/-0.016 χ^2/NDF : 35923426.0/85

- sign 120.744+/-0.021 χ^2/NDF : 18917977.3/43

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.049 $\pm$ 0.040 χ^2 /NDF: 12.4/17

Left Out: 0.032 $\pm$ 0.076 χ^2 /NDF: 29.7/23

Right Out: 0.022 $\pm$ 0.032 χ^2 /NDF: 28.6/20

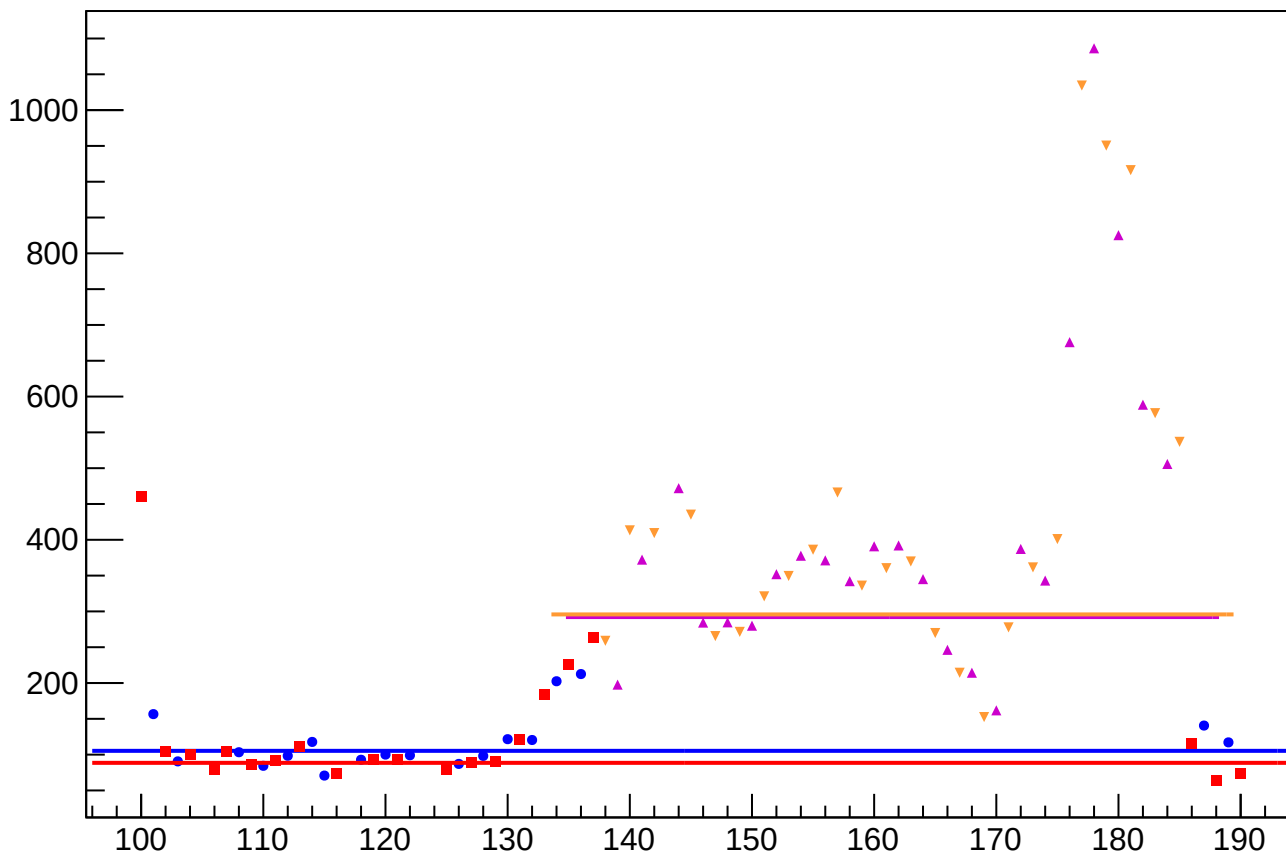
Left In: -0.067 $\pm$ 0.075 χ^2 /NDF: 25.7/22

+ sign 0.046 $\pm$ 0.035 χ^2 /NDF: 42.1/41

All: 0.024 $\pm$ 0.023 χ^2 /NDF: 98.3/85

- sign 0.008 $\pm$ 0.030 χ^2 /NDF: 55.5/43

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 105.298 $\pm$ 0.028 χ^2 /NDF: 1023518.4/17

Left Out: 295.798 $\pm$ 0.054 χ^2 /NDF: 5501077.8/23

Right Out: 88.533 $\pm$ 0.023 χ^2 /NDF: 1366667.7/20

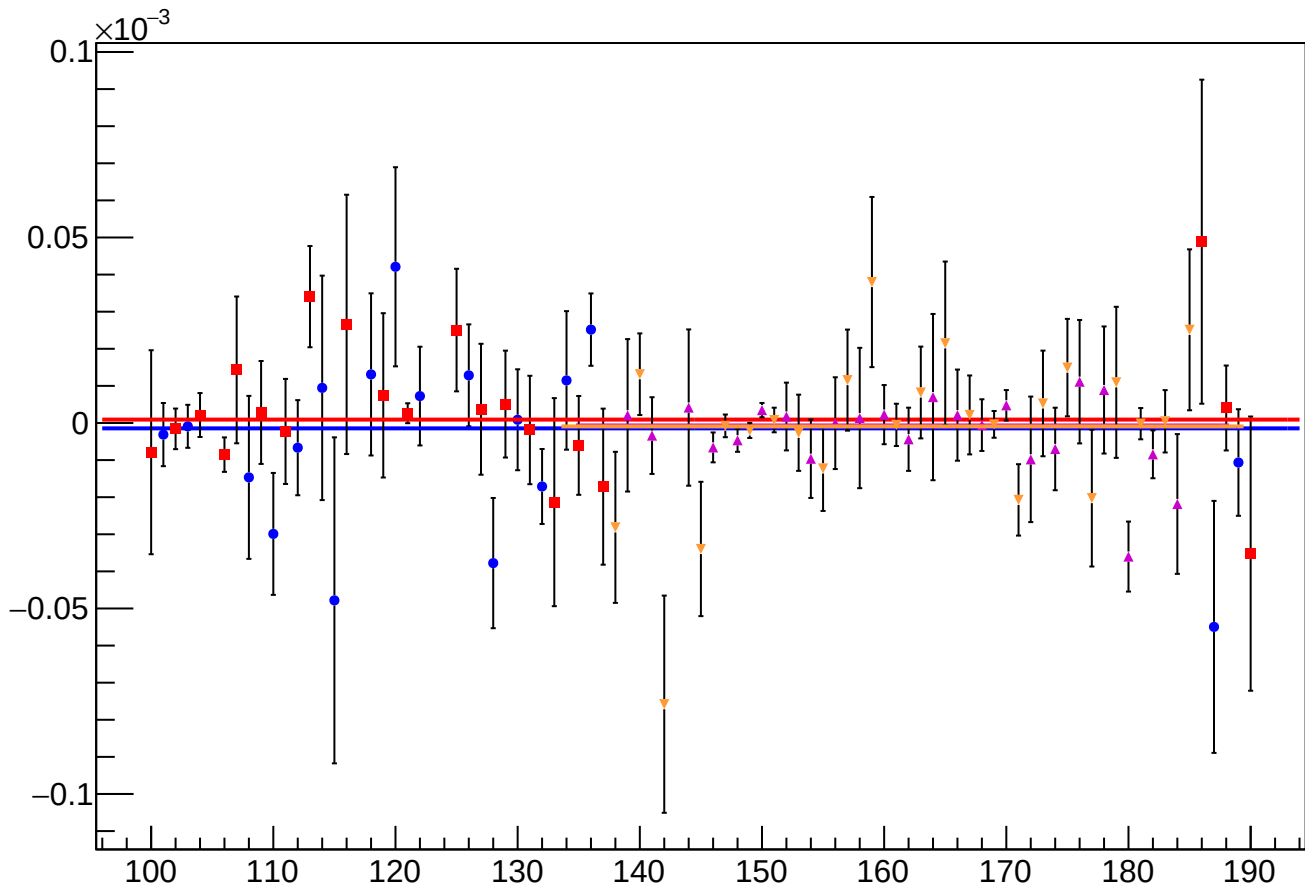
Left In: 292.100 $\pm$ 0.053 χ^2 /NDF: 5055737.7/22

+ sign 146.050 $\pm$ 0.025 χ^2 /NDF: 16401088.9/41

All: 131.294 $\pm$ 0.016 χ^2 /NDF: 35923426.0/89

- sign 120.744 $\pm$ 0.021 χ^2 /NDF: 18917977.3/43

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 26.9/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 29.1/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.1/20

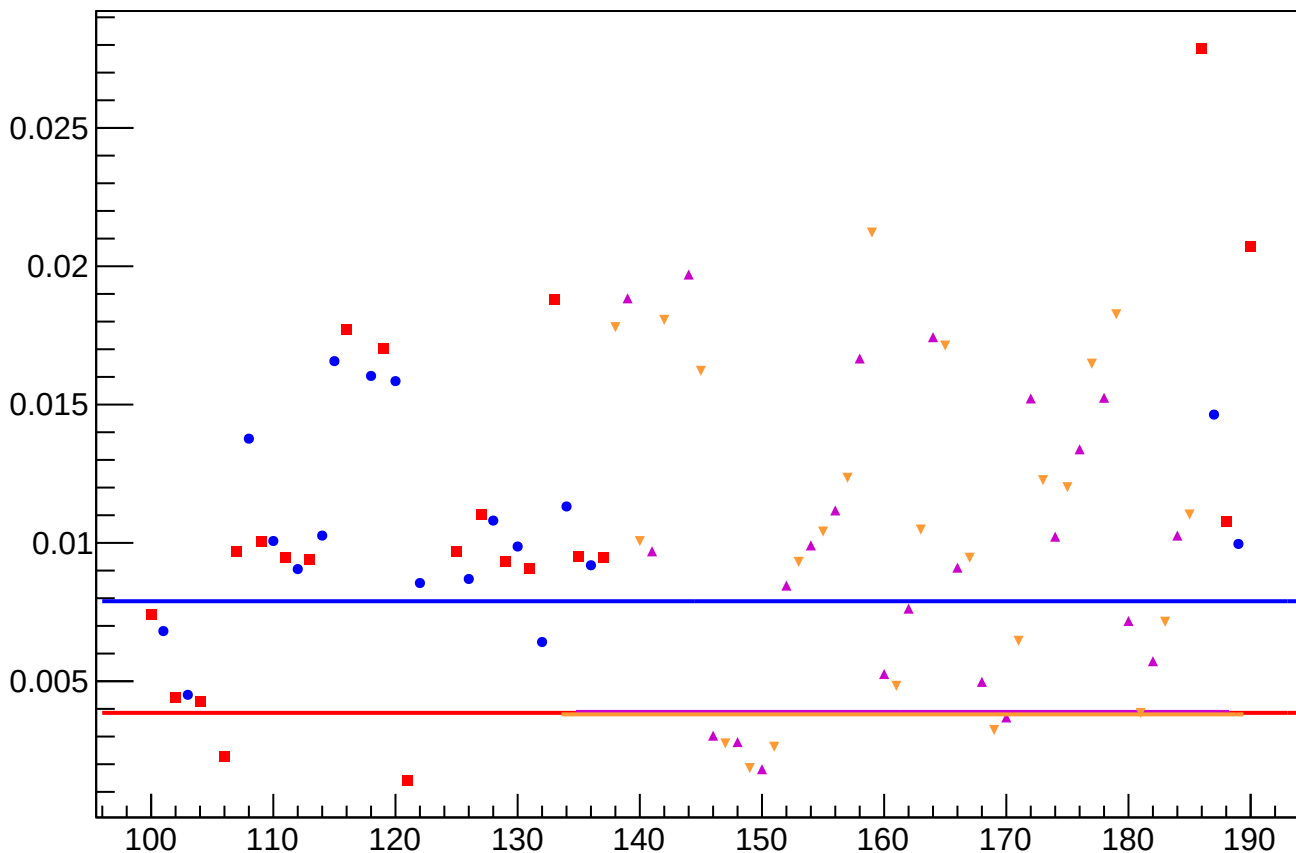
Left In: -0.000 ± 0.000 χ^2/NDF : 29.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 56.0/41

All: -0.000 ± 0.000 χ^2/NDF : 104.8/85

- sign -0.000 ± 0.000 χ^2/NDF : 48.4/43

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1826861.8/17

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:14624926.4/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 8156765.3/20

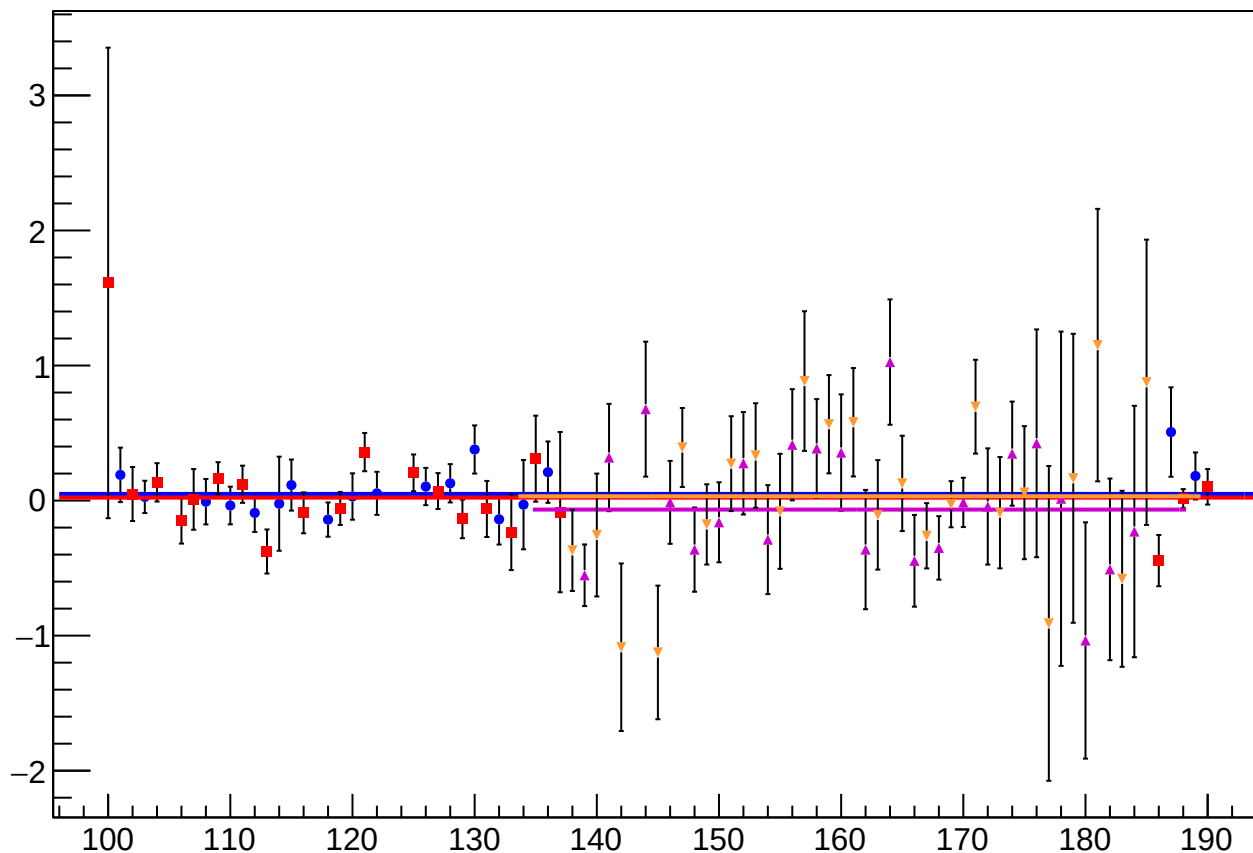
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:13523554.3/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 19608666.2/41

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 41485056.8/85

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 21680801.1/43

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.049 ± 0.040 χ^2/NDF : 12.4/17

Left Out: 0.032 ± 0.076 χ^2/NDF : 29.7/23

Right Out: 0.022 ± 0.032 χ^2/NDF : 28.6/20

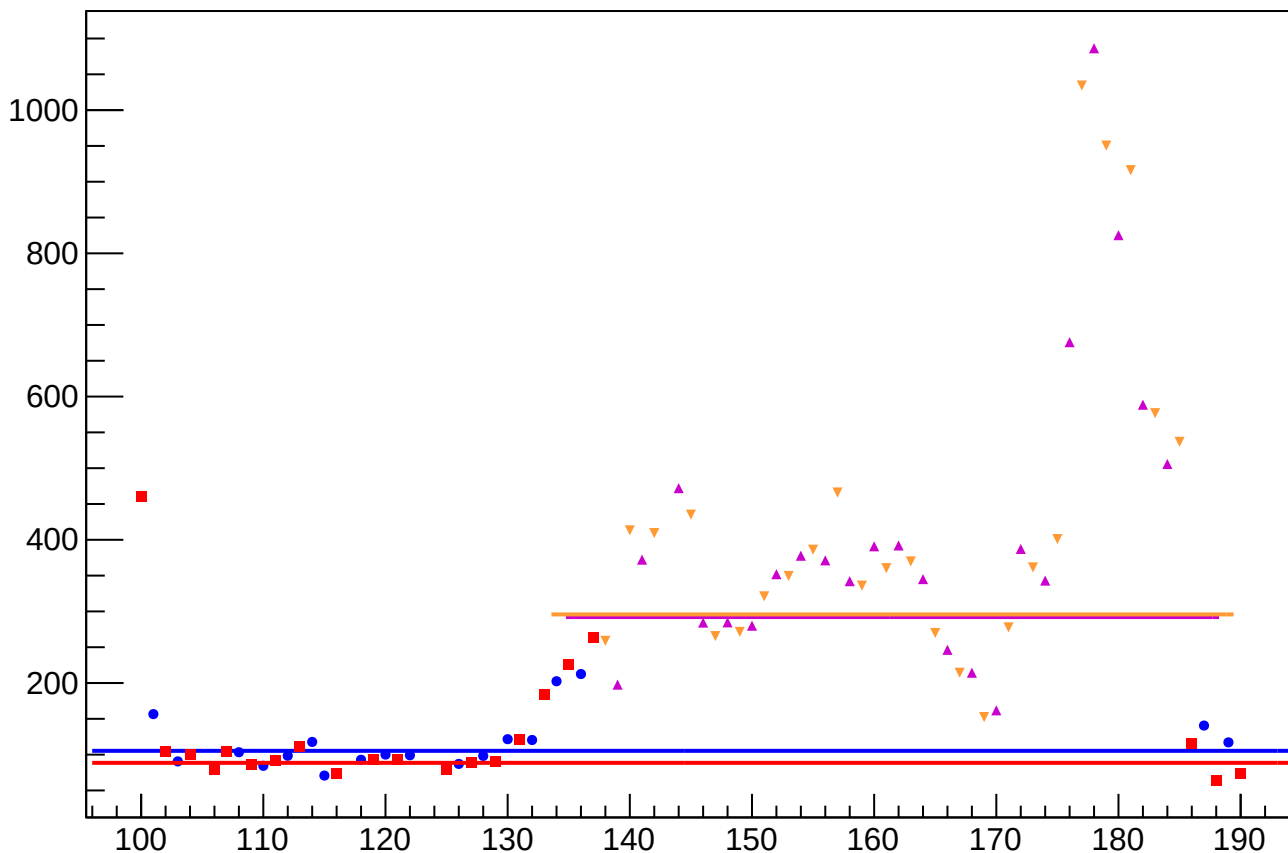
Left In: -0.067 ± 0.075 χ^2/NDF : 25.7/22

+ sign 0.046 ± 0.035 χ^2/NDF : 42.1/41

All: 0.024 ± 0.023 χ^2/NDF : 98.3/85

- sign 0.008 ± 0.030 χ^2/NDF : 55.5/43

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 105.298+/-0.028 χ^2/NDF : 1023462.7/17

Left Out: 295.800+/-0.054 χ^2/NDF : 5501139.3/23

Right Out: 88.532+/-0.023 χ^2/NDF : 1366704.5/20

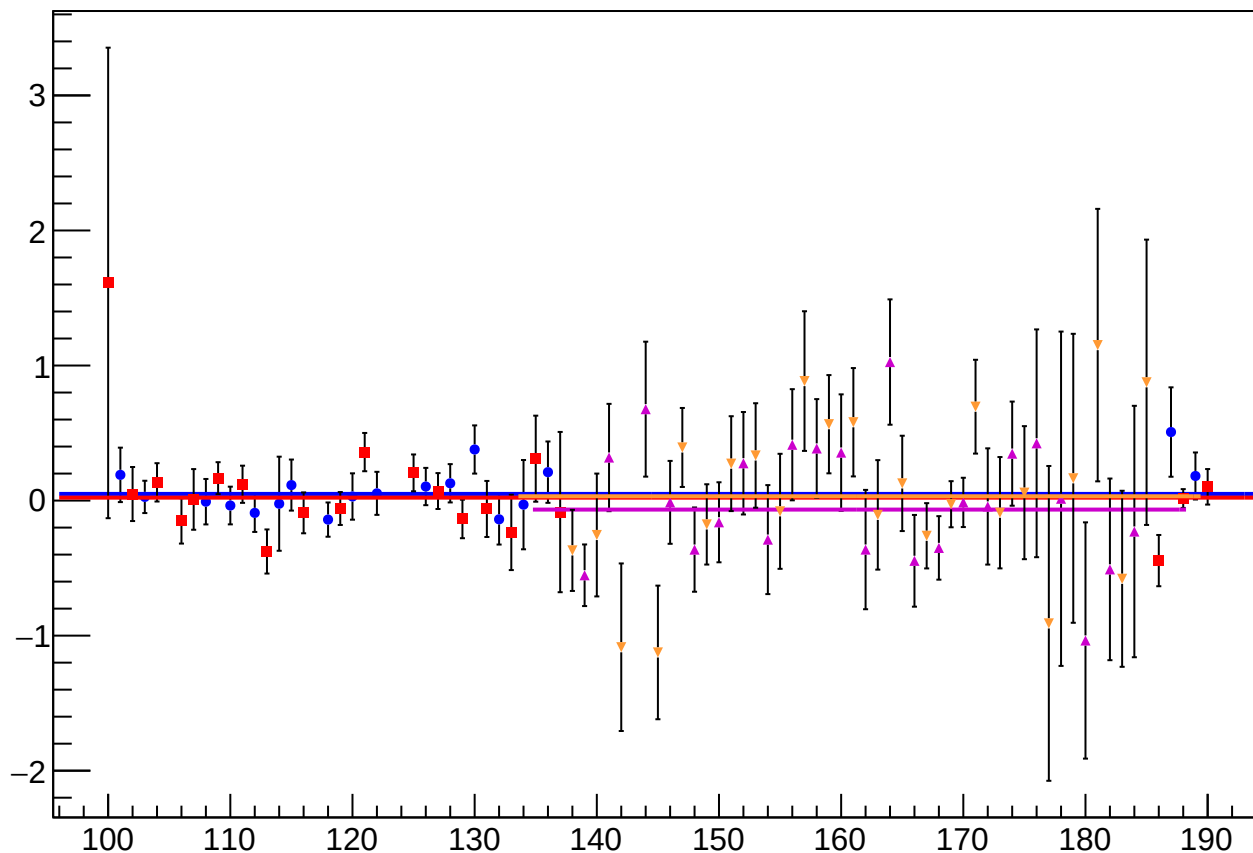
Left In: 292.103+/-0.053 χ^2/NDF : 5055695.7/22

+ sign 146.051+/-0.025 χ^2/NDF : 16401106.1/41

All: 131.293+/-0.016 χ^2/NDF : 35923973.4/85

- sign 120.742+/-0.021 χ^2/NDF : 18918382.6/43

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.049 $\pm$ 0.040 χ^2 /NDF: 12.4/17

Left Out: 0.032 $\pm$ 0.076 χ^2 /NDF:29.7/23

Right Out: 0.022 $\pm$ 0.032 χ^2 /NDF: 28.6/20

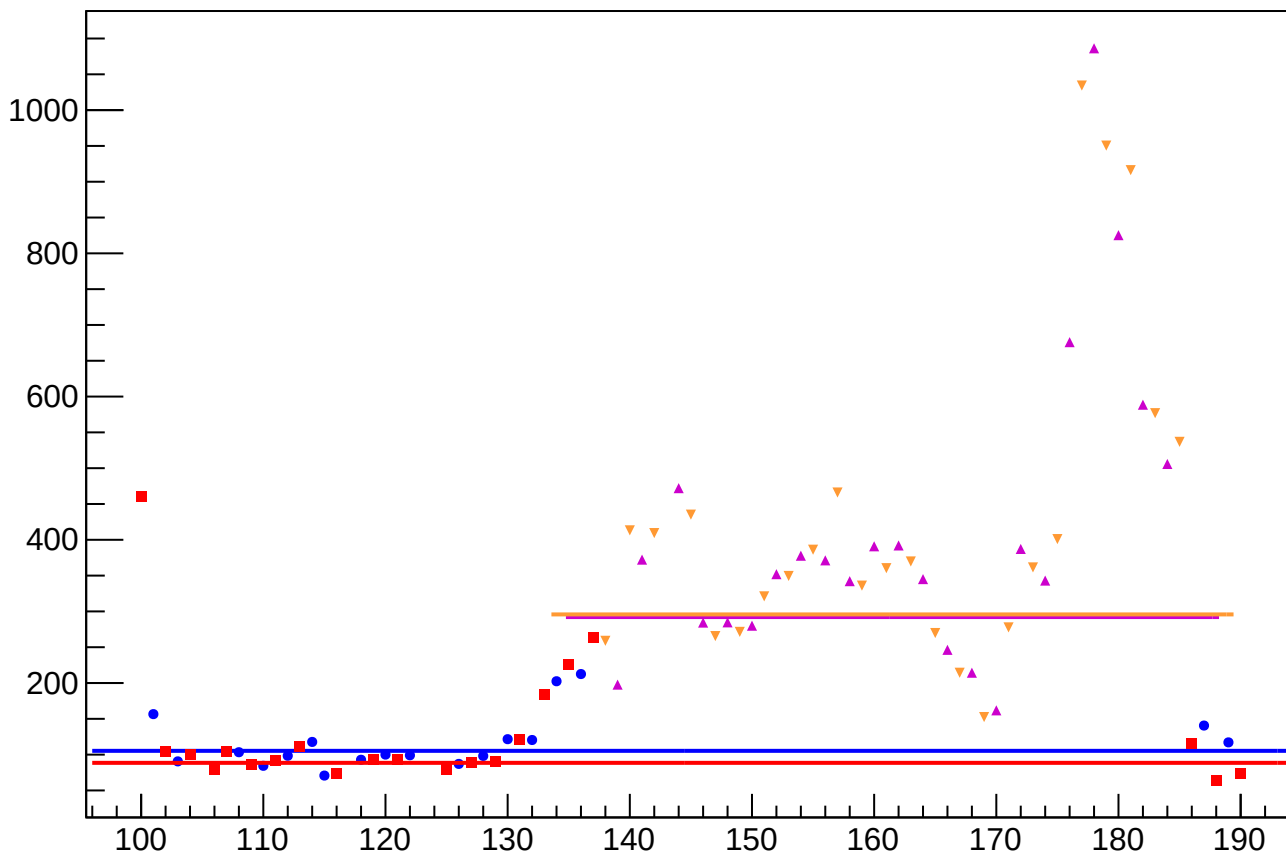
Left In: -0.067 $\pm$ 0.075 χ^2 /NDF:25.7/22

+ sign 0.046 $\pm$ 0.035 χ^2 /NDF: 42.1/41

All: 0.024 $\pm$ 0.023 χ^2 /NDF: 98.3/85

- sign 0.008 $\pm$ 0.030 χ^2 /NDF: 55.5/43

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 105.298 $\pm$ 0.028 χ^2 /NDF: 1023462.7/17

Left Out: 295.800 $\pm$ 0.054 χ^2 /NDF: 5501139.3/23

Right Out: 88.532 $\pm$ 0.023 χ^2 /NDF: 1366704.5/20

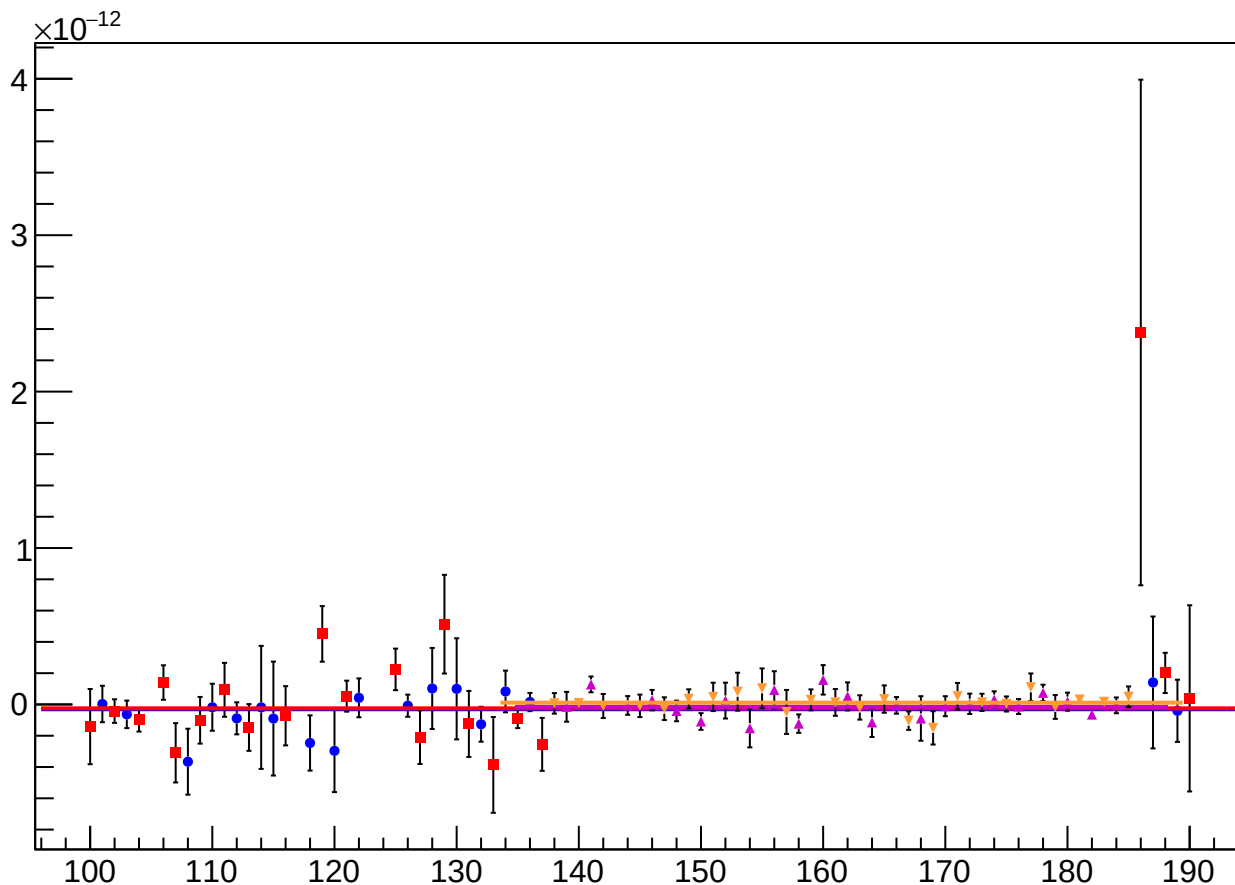
Left In: 292.103 $\pm$ 0.053 χ^2 /NDF: 5055695.7/22

+ sign 146.051 $\pm$ 0.025 χ^2 /NDF: 16401106.1/41

All: 131.293 $\pm$ 0.016 χ^2 /NDF: 35923973.4/85

- sign 120.742 $\pm$ 0.021 χ^2 /NDF: 18918382.6/43

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 8.8/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 10.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 32.5/20

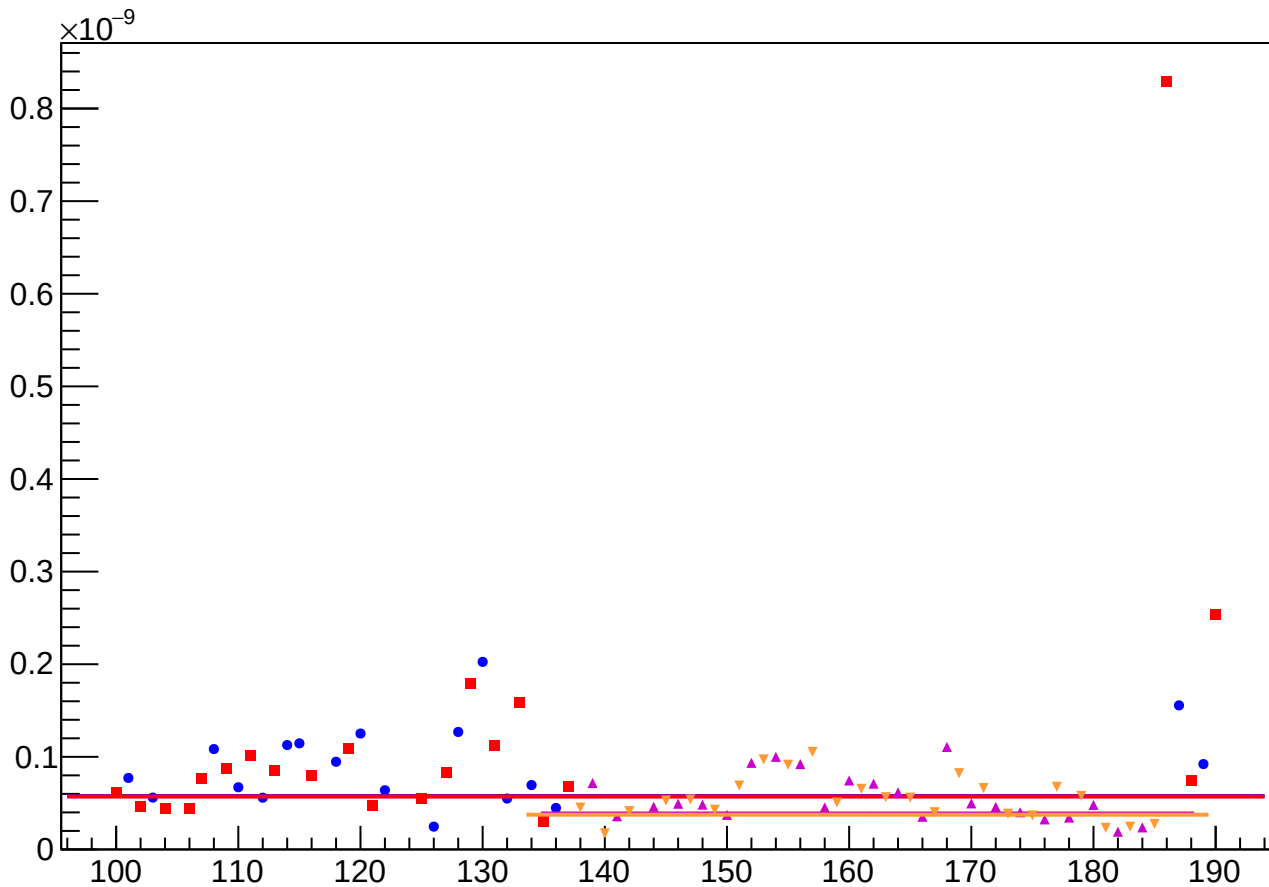
Left In: -0.000 ± 0.000 χ^2/NDF : 30.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 21.2/41

All: -0.000 ± 0.000 χ^2/NDF : 86.7/85

- sign -0.000 ± 0.000 χ^2/NDF : 63.5/43

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1754922.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4983727.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2482194.0/20

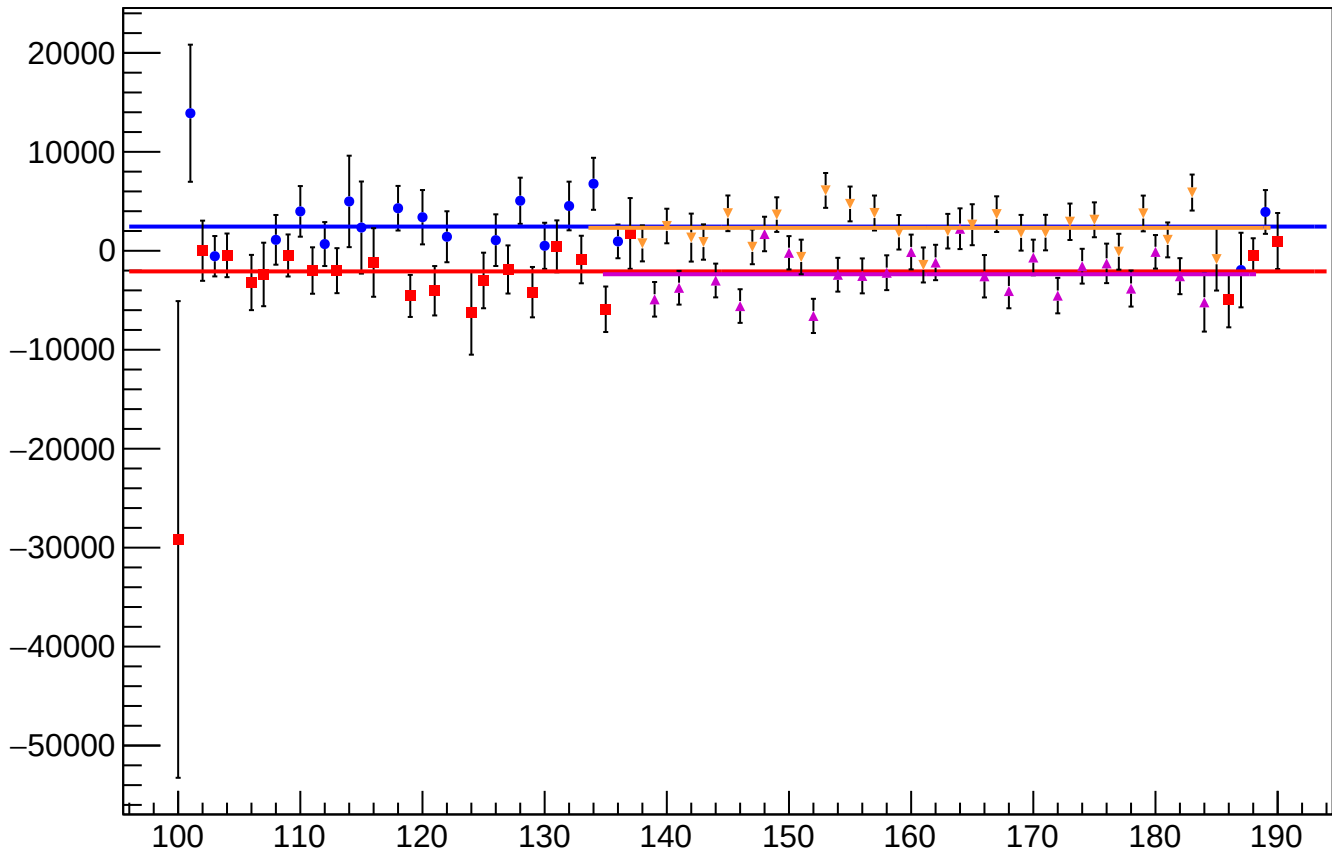
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4577795.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7549882.7/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 15344890.8/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7780488.6/43

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2446.984 ± 598.435 χ^2/NDF : 15.6/17

Left Out: 2321.067 ± 366.301 χ^2/NDF : 27.5/24

Right Out: -2082.345 ± 552.148 χ^2/NDF : 15.0/21

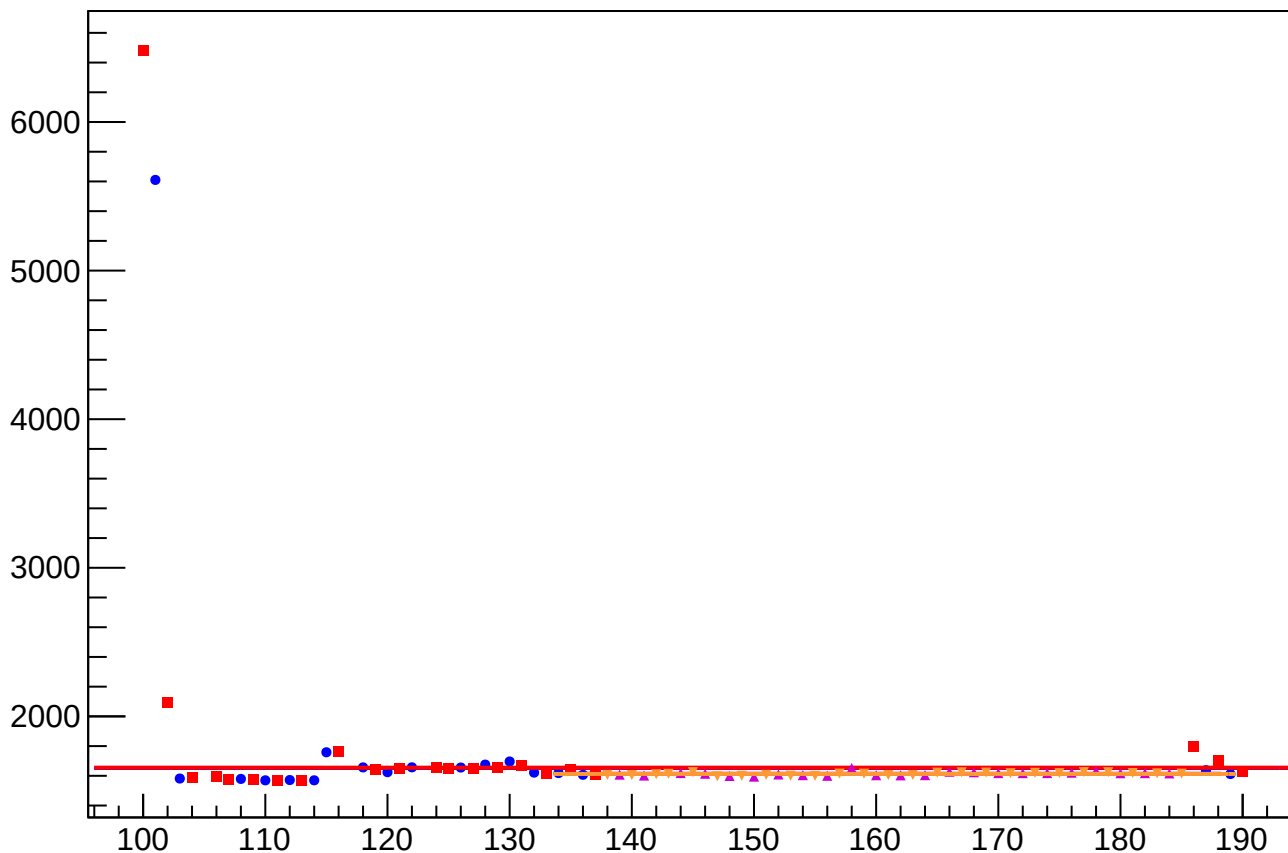
Left In: -2370.629 ± 376.798 χ^2/NDF : 33.7/22

+ sign 2355.386 ± 312.421 χ^2/NDF : 43.2/42

All: 29.353 ± 220.494 χ^2/NDF : 202.6/87

- sign -2279.032 ± 311.233 χ^2/NDF : 49.0/44

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.938 $\pm$ 0.423 χ^2 /NDF: 667014.9/17

Left Out: 1612.607 $\pm$ 0.259 χ^2 /NDF: 1172.5/24

Right Out: 1654.527 $\pm$ 0.390 χ^2 /NDF: 144213.8/21

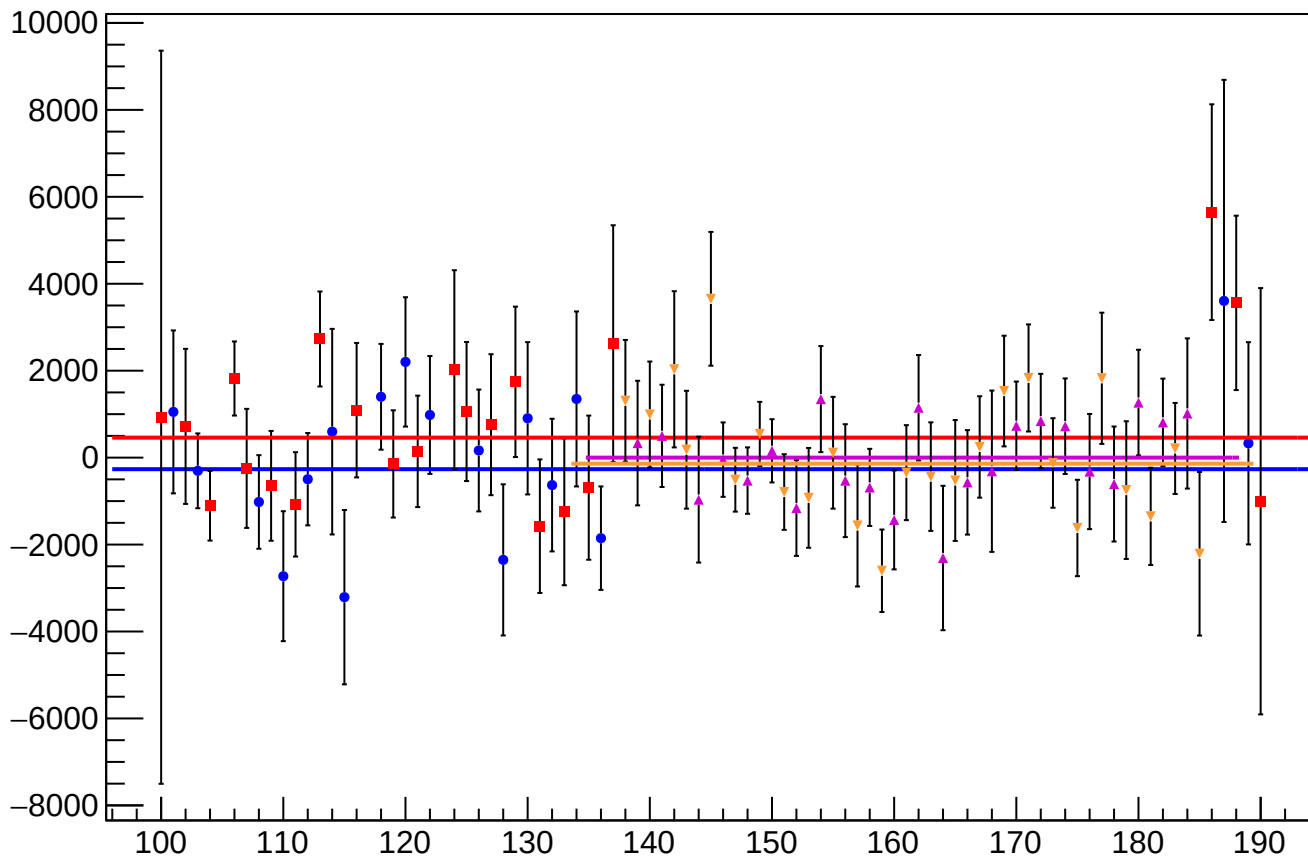
Left In: 1613.793 $\pm$ 0.266 χ^2 /NDF: 2354.6/22

+ sign 1623.599 $\pm$ 0.221 χ^2 /NDF: 674795.4/42

All: 1625.174 $\pm$ 0.156 χ^2 /NDF: 828891.8/87

- sign 1626.736 $\pm$ 0.220 χ^2 /NDF: 153995.2/44

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -265.817 $\pm$ 338.998 χ^2 /NDF: 16.6/17

Left Out: -139.022 $\pm$ 229.126 χ^2 /NDF:30.2/24

Right Out: 459.745 $\pm$ 306.261 χ^2 /NDF: 25.8/21

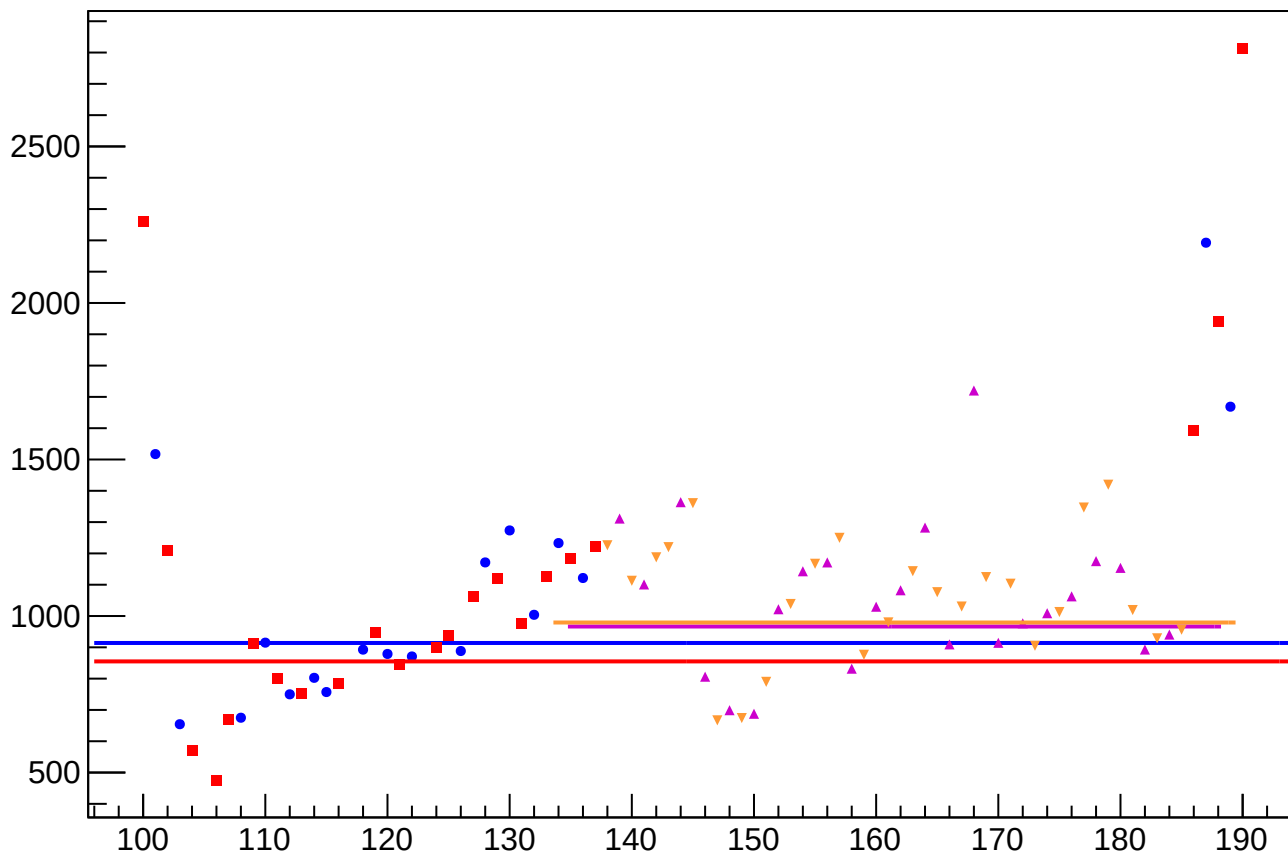
Left In: 0.092 $\pm$ 231.903 χ^2 /NDF:12.9/22

+ sign -178.782 $\pm$ 189.832 χ^2 /NDF: 46.9/42

All: -1.015 $\pm$ 132.446 χ^2 /NDF: 88.7/87

- sign 167.598 $\pm$ 184.881 χ^2 /NDF: 40.1/44

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 913.913 ± 0.240 $\chi^2/\text{NDF}: 1139256.3/17$

Left Out: 979.294 ± 0.162 $\chi^2/\text{NDF}: 1630623.2/24$

Right Out: 855.014 ± 0.217 $\chi^2/\text{NDF}: 2211109.1/21$

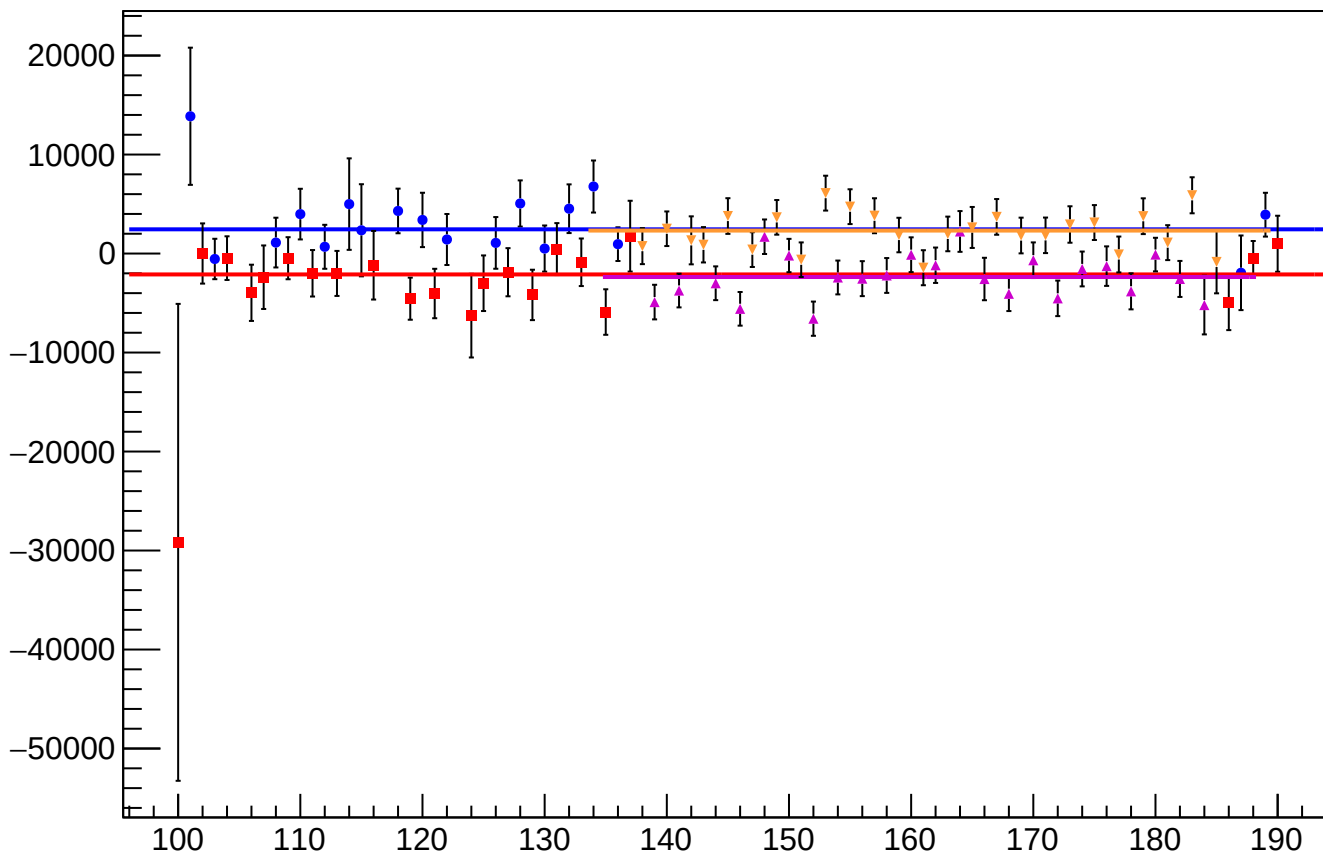
Left In: 966.526 ± 0.164 $\chi^2/\text{NDF}: 1602596.2/22$

+ sign 958.792 ± 0.134 $\chi^2/\text{NDF}: 2820946.2/42$

All: 941.906 ± 0.094 $\chi^2/\text{NDF}: 6834011.7/87$

- sign 925.889 ± 0.131 $\chi^2/\text{NDF}: 3982229.1/44$

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2446.487 $\pm$ 598.435 χ^2/NDF : 15.6/17

Left Out: 2321.025 $\pm$ 366.301 χ^2/NDF : 27.5/24

Right Out: -2109.935 $\pm$ 552.520 χ^2/NDF : 15.3/21

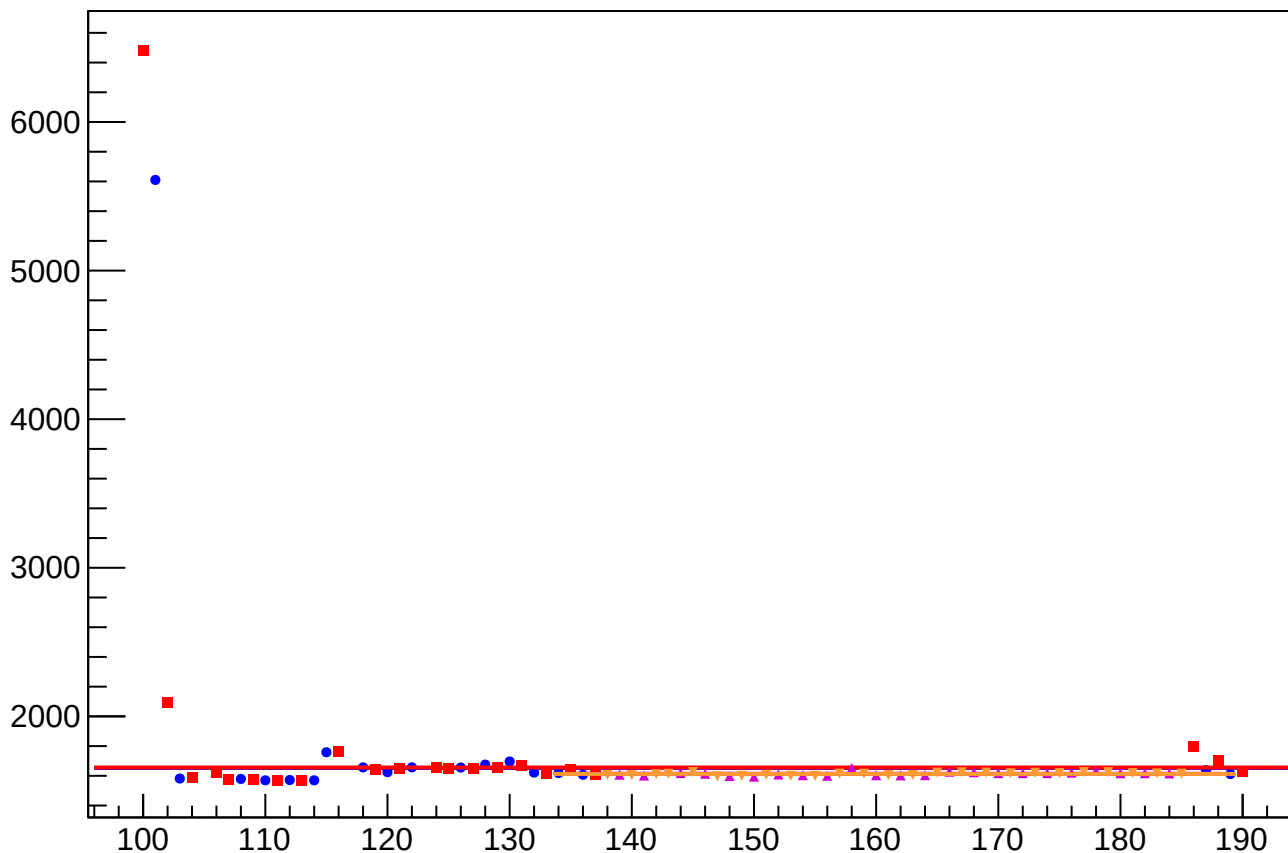
Left In: -2370.700 $\pm$ 376.798 χ^2/NDF : 33.7/22

+ sign 2355.219 $\pm$ 312.421 χ^2/NDF : 43.2/42

All: 25.304 $\pm$ 220.517 χ^2/NDF : 203.2/87

- sign -2287.923 $\pm$ 311.300 χ^2/NDF : 49.2/44

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.938 ± 0.423 $\chi^2/\text{NDF}: 667014.4/17$

Left Out: 1612.607 ± 0.259 $\chi^2/\text{NDF}: 1172.5/24$

Right Out: 1655.612 ± 0.391 $\chi^2/\text{NDF}: 143543.9/21$

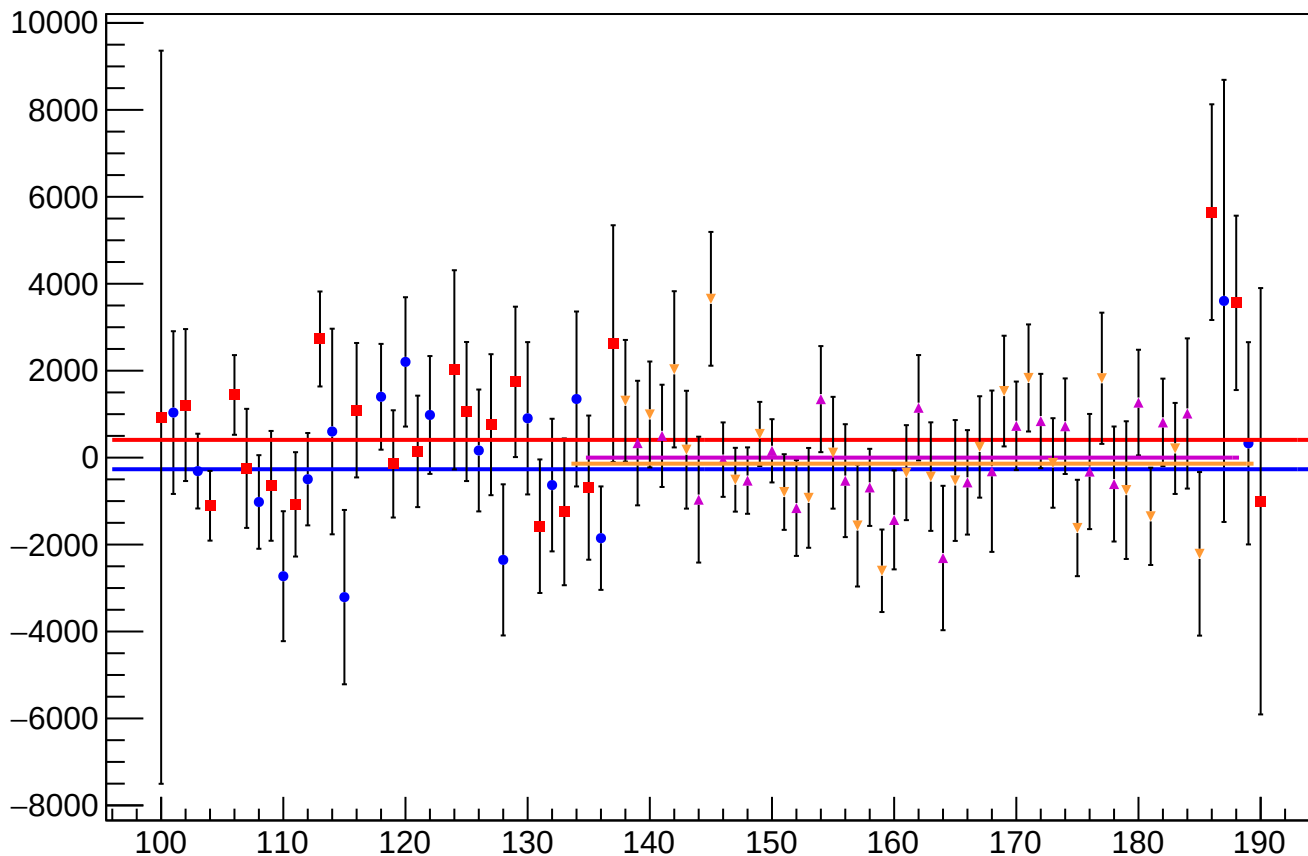
Left In: 1613.793 ± 0.266 $\chi^2/\text{NDF}: 2354.6/22$

+ sign 1623.599 ± 0.221 $\chi^2/\text{NDF}: 674795.0/42$

All: 1625.340 ± 0.156 $\chi^2/\text{NDF}: 828637.5/87$

- sign 1627.068 ± 0.220 $\chi^2/\text{NDF}: 153718.8/44$

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -267.133+/-338.955 χ^2/NDF : 16.6/17

Left Out: -139.074+/-229.125 χ^2/NDF : 30.2/24

Right Out: 408.342+/-308.858 χ^2/NDF : 24.5/21

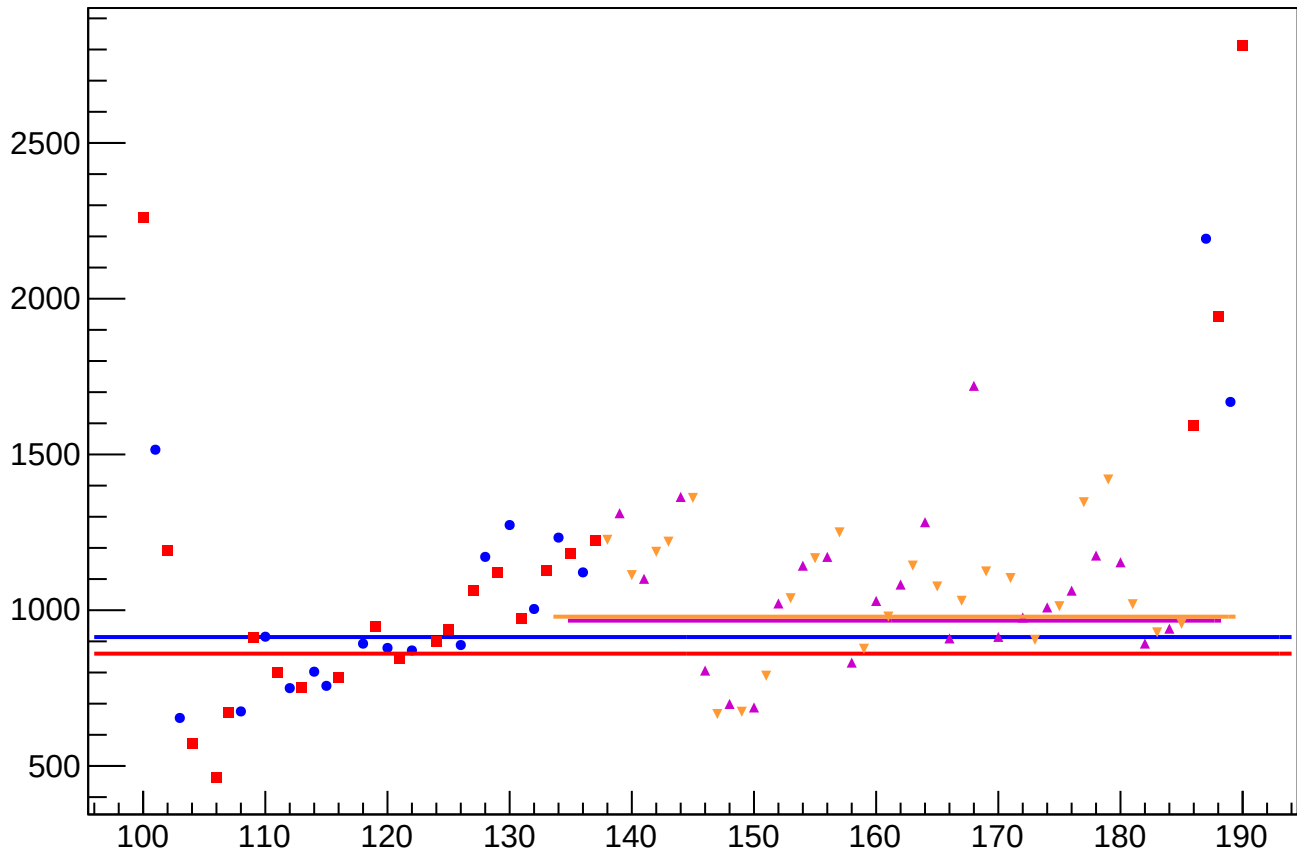
Left In: 0.068+/-231.904 χ^2/NDF : 12.9/22

+ sign -179.237+/-189.824 χ^2/NDF : 46.9/42

All: -12.183+/-132.652 χ^2/NDF : 86.9/87

- sign 147.258+/-185.448 χ^2/NDF : 38.5/44

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 913.809 $\pm$ 0.240 χ^2 /NDF: 1139096.4/17

Left Out: 979.288 $\pm$ 0.162 χ^2 /NDF: 1630731.2/24

Right Out: 860.583 $\pm$ 0.218 χ^2 /NDF: 2170078.4/21

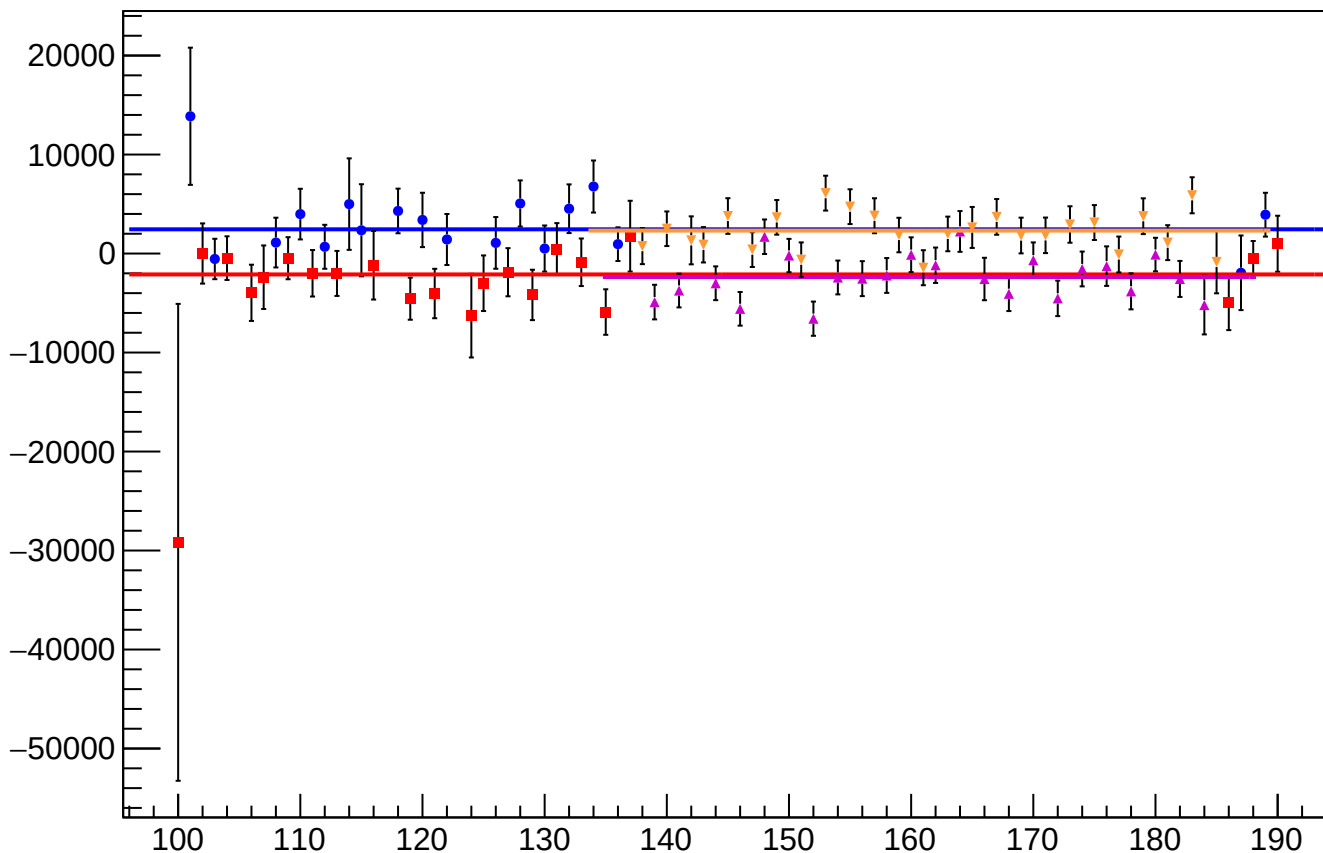
Left In: 966.531 $\pm$ 0.164 χ^2 /NDF: 1602562.1/22

+ sign 958.752 $\pm$ 0.134 χ^2 /NDF: 2821055.6/42

All: 943.189 $\pm$ 0.094 χ^2 /NDF: 6770469.7/87

- sign 928.335 $\pm$ 0.131 χ^2 /NDF: 3923139.0/44

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2446.487 $\pm$ 598.435 χ^2 /NDF: 15.6/17

Left Out: 2321.025 $\pm$ 366.301 χ^2 /NDF: 27.5/24

Right Out: -2109.935 $\pm$ 552.520 χ^2 /NDF: 15.3/21

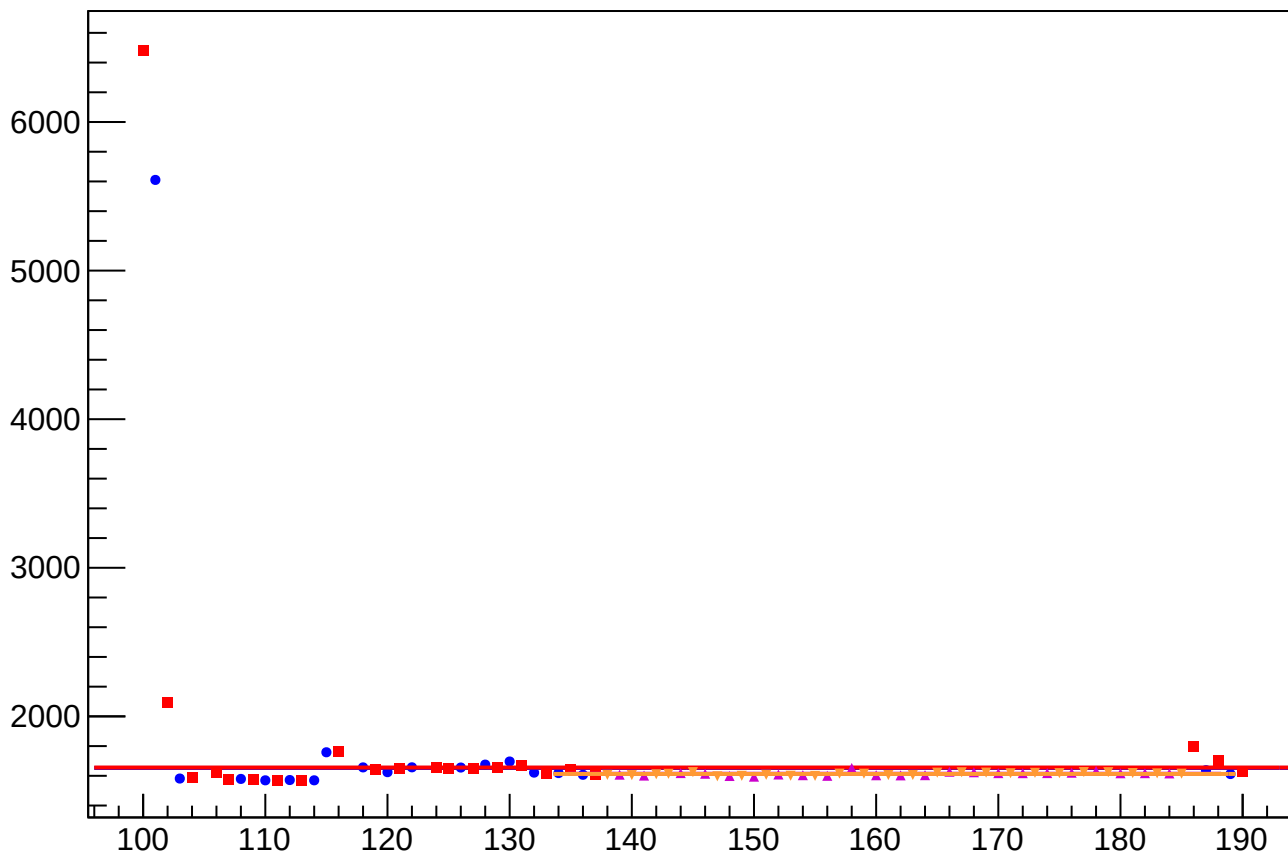
Left In: -2370.700 $\pm$ 376.798 χ^2 /NDF: 33.7/22

+ sign 2355.219 $\pm$ 312.421 χ^2 /NDF: 43.2/42

All: 25.304 $\pm$ 220.517 χ^2 /NDF: 203.2/87

- sign -2287.923 $\pm$ 311.300 χ^2 /NDF: 49.2/44

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.938 $\pm$ 0.423 χ^2 /NDF: 667014.4/17

Left Out: 1612.607 $\pm$ 0.259 χ^2 /NDF: 1172.5/24

Right Out: 1655.612 $\pm$ 0.391 χ^2 /NDF: 143543.9/21

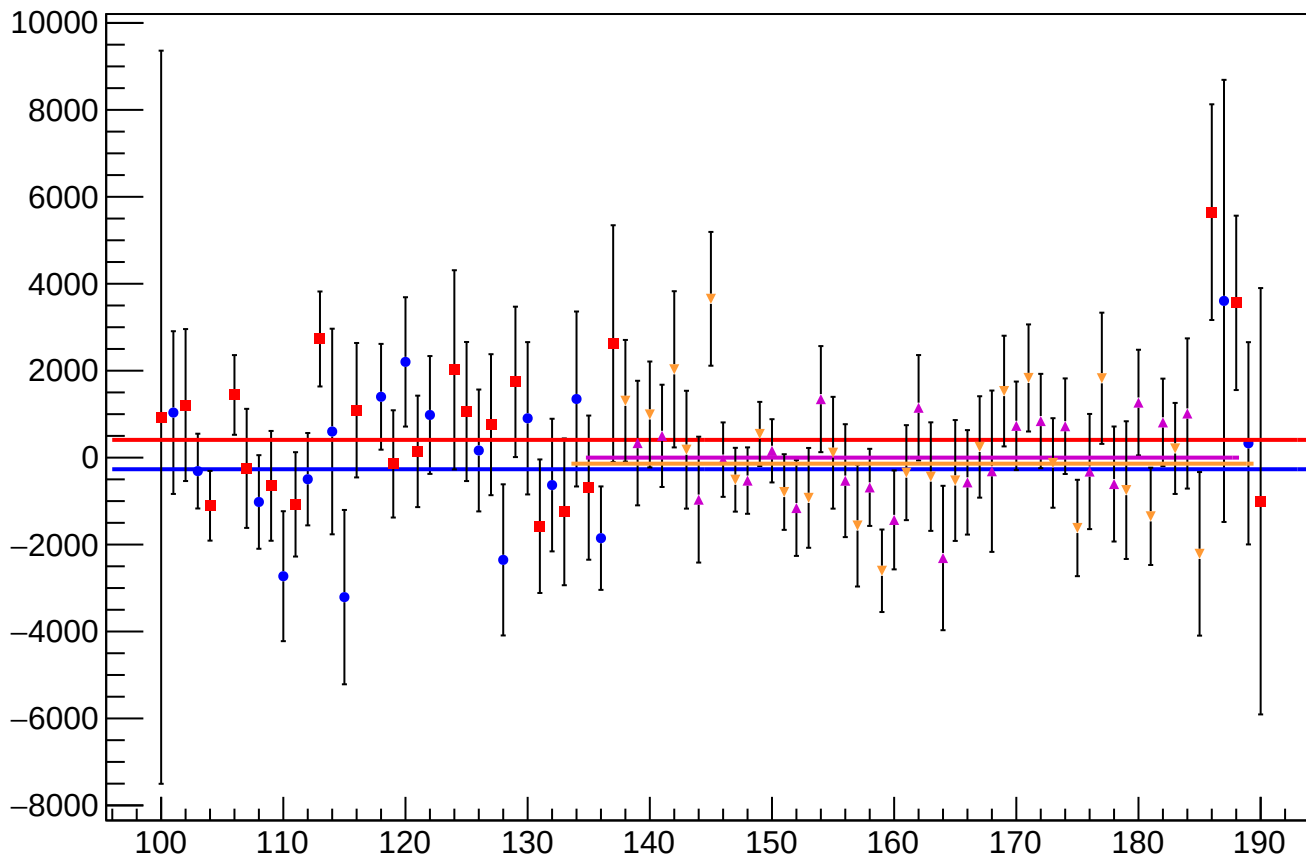
Left In: 1613.793 $\pm$ 0.266 χ^2 /NDF: 2354.6/22

+ sign 1623.599 $\pm$ 0.221 χ^2 /NDF: 674795.0/42

All: 1625.340 $\pm$ 0.156 χ^2 /NDF: 828637.5/87

- sign 1627.068 $\pm$ 0.220 χ^2 /NDF: 153718.8/44

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -267.133+/-338.955 χ^2/NDF : 16.6/17

Left Out: -139.074+/-229.125 χ^2/NDF : 30.2/24

Right Out: 408.342+/-308.858 χ^2/NDF : 24.5/21

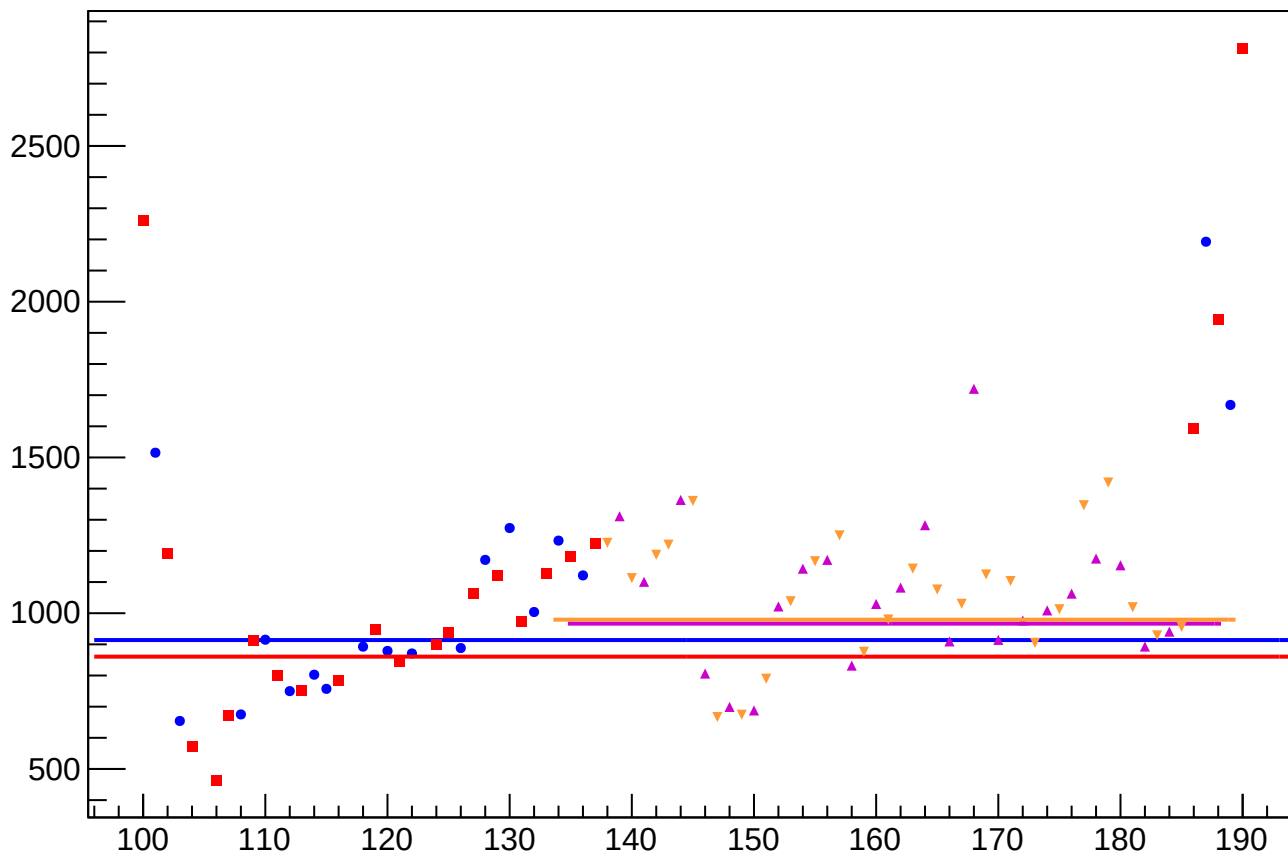
Left In: 0.068+/-231.904 χ^2/NDF : 12.9/22

+ sign -179.237+/-189.824 χ^2/NDF : 46.9/42

All: -12.183+/-132.652 χ^2/NDF : 86.9/87

- sign 147.258+/-185.448 χ^2/NDF : 38.5/44

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 913.809 $\pm$ 0.240 χ^2 /NDF: 1139096.4/17

Left Out: 979.288 $\pm$ 0.162 χ^2 /NDF: 1630731.2/24

Right Out: 860.583 $\pm$ 0.218 χ^2 /NDF: 2170078.4/21

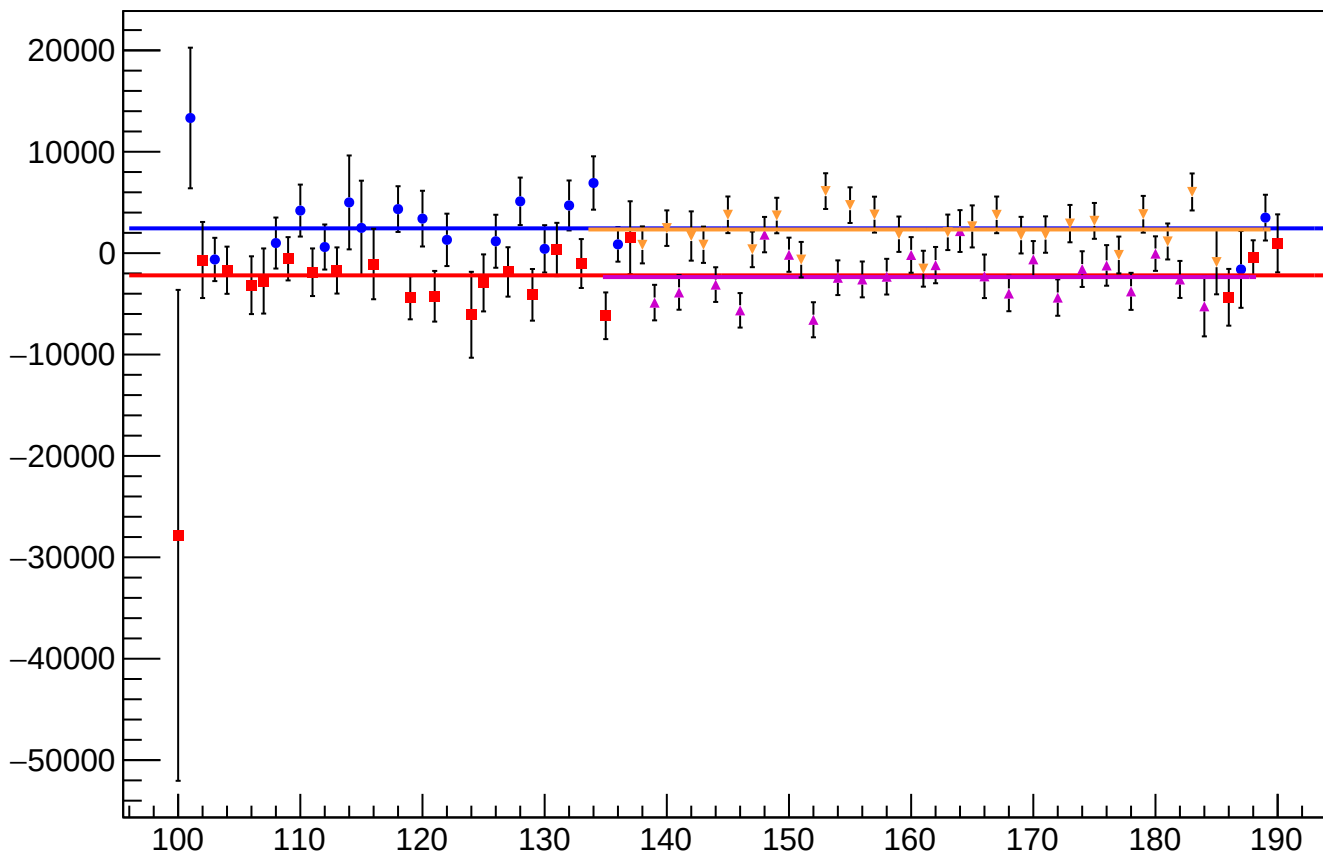
Left In: 966.531 $\pm$ 0.164 χ^2 /NDF: 1602562.1/22

+ sign 958.752 $\pm$ 0.134 χ^2 /NDF: 2821055.6/42

All: 943.189 $\pm$ 0.094 χ^2 /NDF: 6770469.7/87

- sign 928.335 $\pm$ 0.131 χ^2 /NDF: 3923139.0/44

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2445.163 $\pm$ 602.479 χ^2 /NDF: 15.6/17

Left Out: 2334.840 $\pm$ 366.991 χ^2 /NDF: 28.3/24

Right Out: -2191.277 $\pm$ 558.858 χ^2 /NDF: 13.5/21

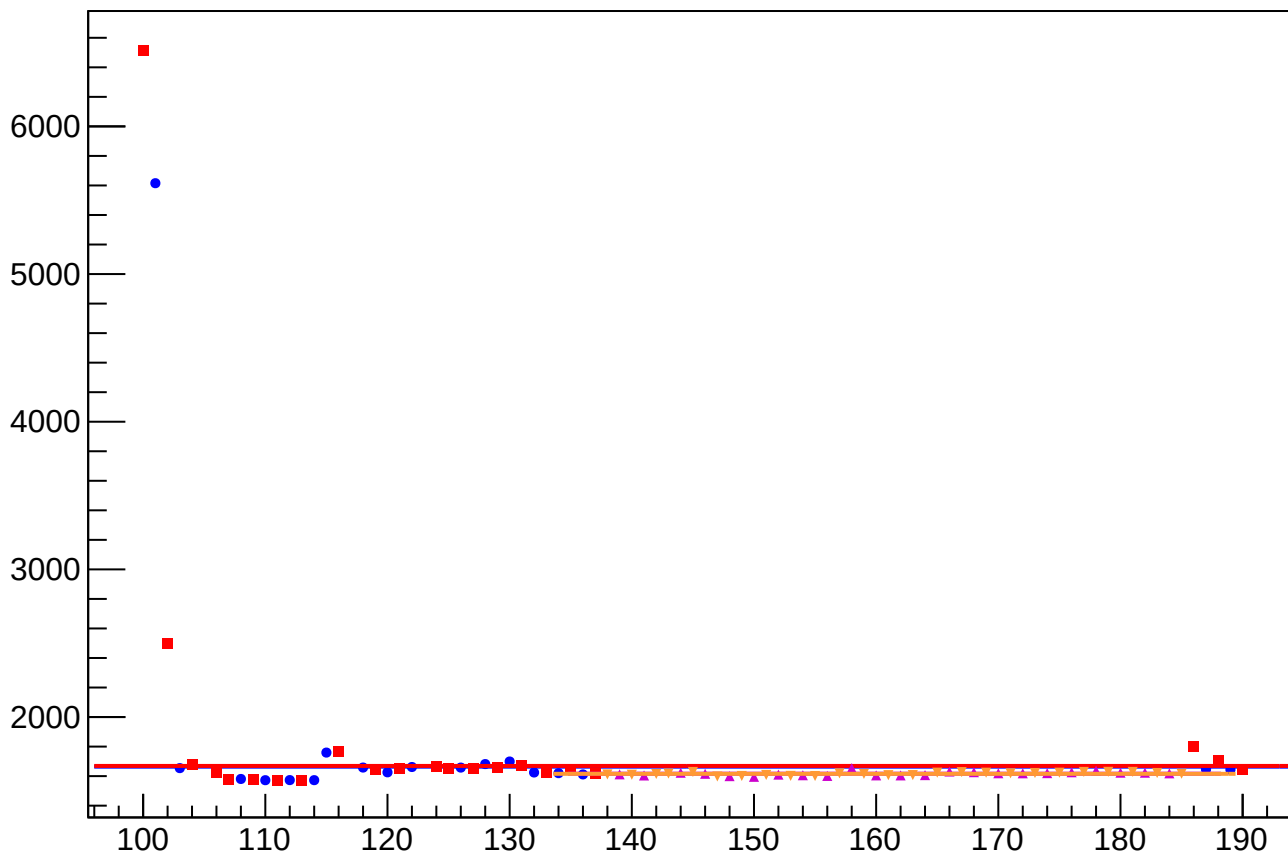
Left In: -2360.289 $\pm$ 377.400 χ^2 /NDF: 34.0/22

+ sign 2364.697 $\pm$ 313.422 χ^2 /NDF: 43.9/42

All: 23.758 $\pm$ 221.390 χ^2 /NDF: 202.8/87

- sign -2307.354 $\pm$ 312.763 χ^2 /NDF: 47.6/44

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1664.263 $\pm$ 0.426 χ^2 /NDF: 663150.2/17

Left Out: 1615.633 $\pm$ 0.260 χ^2 /NDF:1447.2/24

Right Out: 1668.969 $\pm$ 0.395 χ^2 /NDF: 199157.9/21

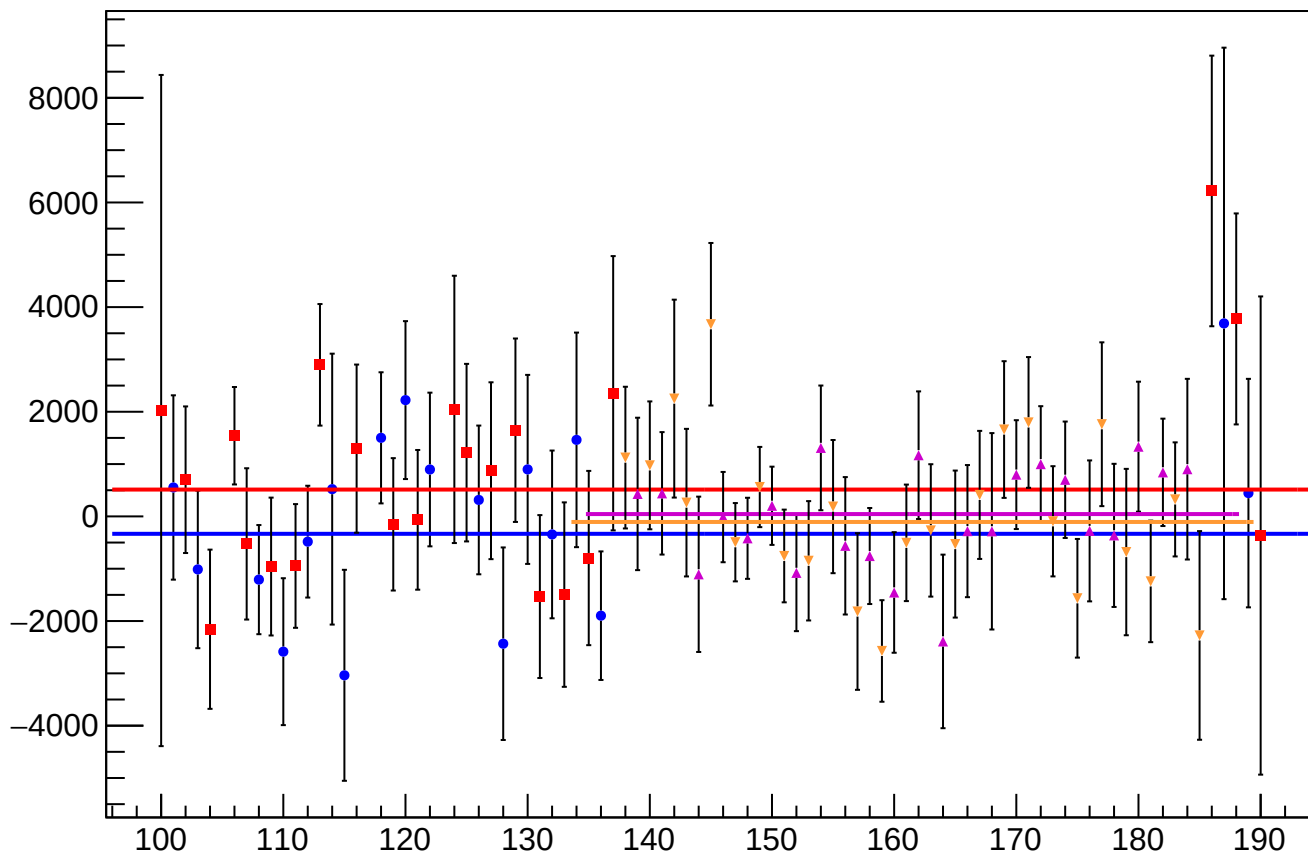
Left In: 1616.361 $\pm$ 0.267 χ^2 /NDF:2557.7/22

+ sign 1628.794 $\pm$ 0.222 χ^2 /NDF: 674101.3/42

All: 1630.820 $\pm$ 0.157 χ^2 /NDF: 888155.7/87

- sign 1632.838 $\pm$ 0.221 χ^2 /NDF: 213887.6/44

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -332.904 ± 361.973 χ^2/NDF : 16.4/17

Left Out: -106.338 ± 234.306 χ^2/NDF : 29.0/24

Right Out: 512.871 ± 332.184 χ^2/NDF : 25.2/21

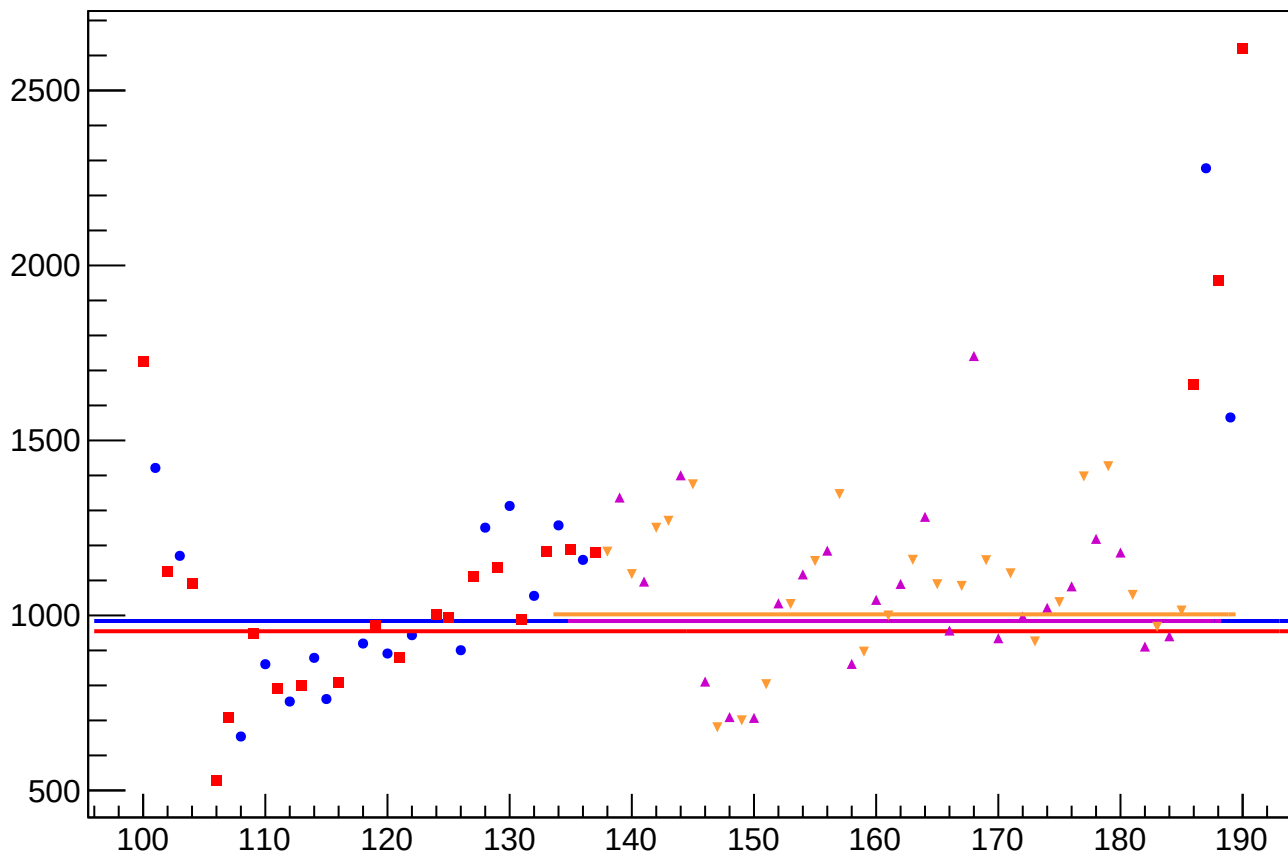
Left In: 44.469 ± 235.733 χ^2/NDF : 12.8/22

+ sign -173.238 ± 196.695 χ^2/NDF : 45.7/42

All: 18.341 ± 137.484 χ^2/NDF : 86.9/87

- sign 201.350 ± 192.245 χ^2/NDF : 39.3/44

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 984.059 $\pm$ 0.256 χ^2 /NDF: 961930.6/17

Left Out: 1003.101 $\pm$ 0.166 χ^2 /NDF: 1598415.6/24

Right Out: 954.820 $\pm$ 0.235 χ^2 /NDF: 1688002.9/21

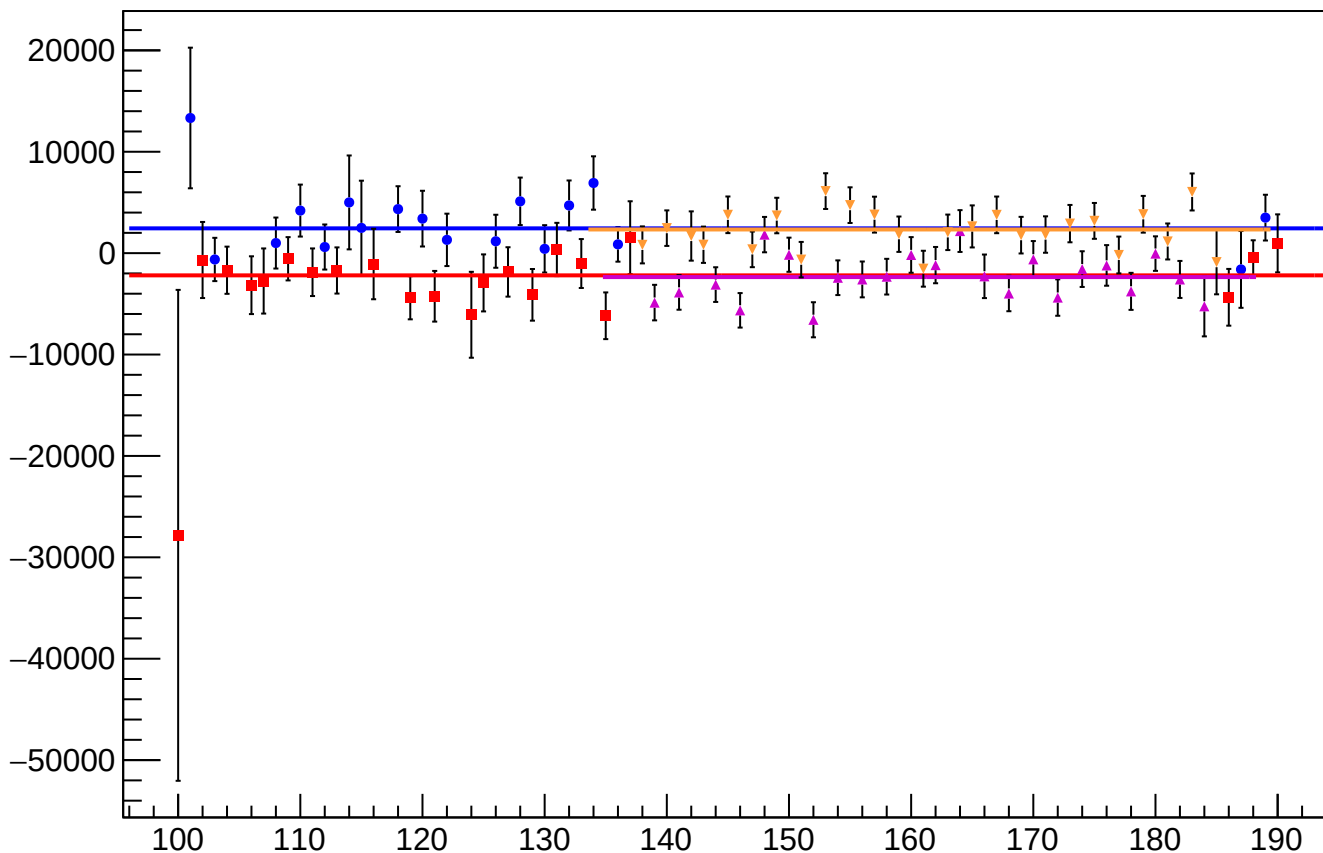
Left In: 984.053 $\pm$ 0.167 χ^2 /NDF: 1559561.5/22

+ sign 997.478 $\pm$ 0.139 χ^2 /NDF: 2564246.5/42

All: 985.605 $\pm$ 0.097 χ^2 /NDF: 5836362.5/87

- sign 974.262 $\pm$ 0.136 χ^2 /NDF: 3257865.9/44

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2445.163 $\pm$ 602.479 χ^2 /NDF: 15.6/17

Left Out: 2334.839 $\pm$ 366.991 χ^2 /NDF: 28.3/24

Right Out: -2191.275 $\pm$ 558.858 χ^2 /NDF: 13.5/21

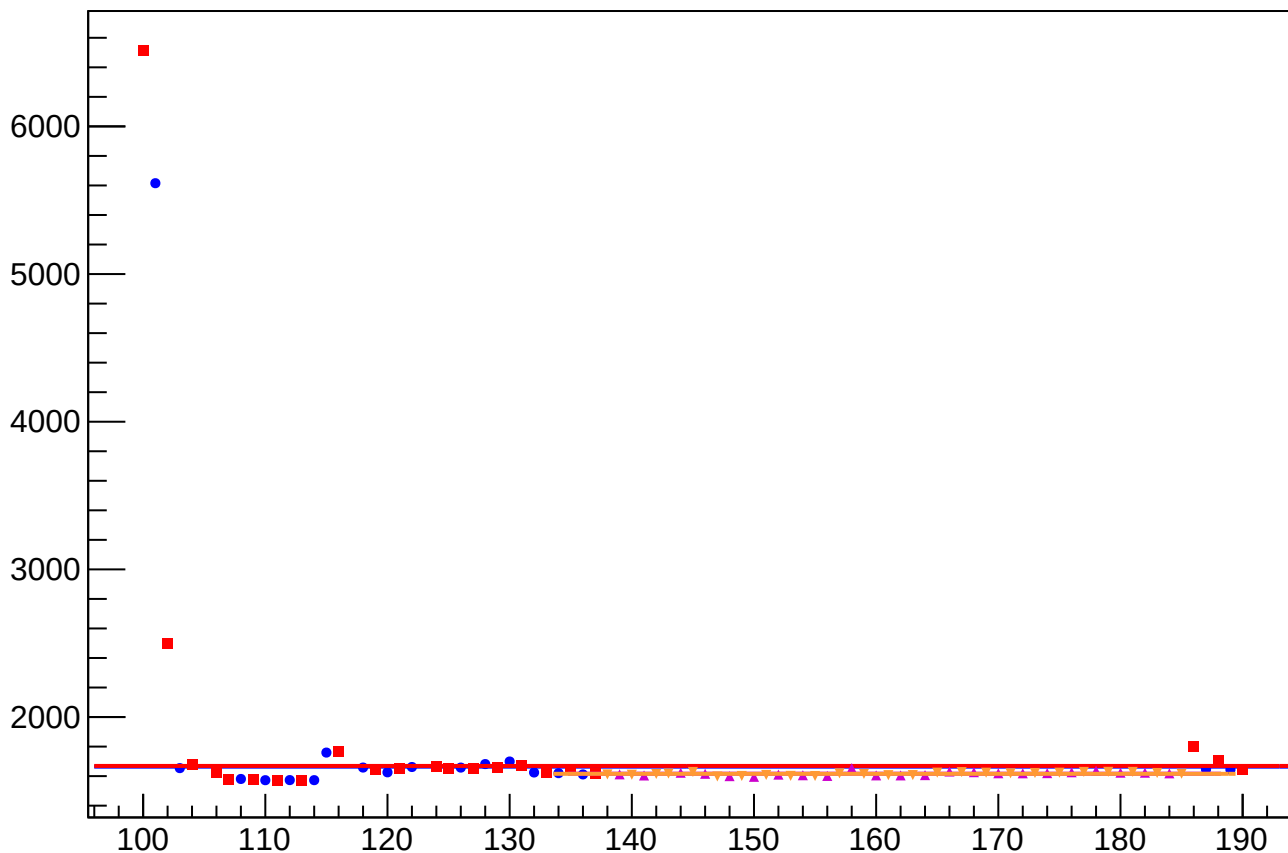
Left In: -2360.289 $\pm$ 377.400 χ^2 /NDF: 34.0/22

+ sign 2364.696 $\pm$ 313.422 χ^2 /NDF: 43.9/42

All: 23.758 $\pm$ 221.390 χ^2 /NDF: 202.8/87

- sign -2307.353 $\pm$ 312.763 χ^2 /NDF: 47.6/44

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1664.263 $\pm$ 0.426 χ^2 /NDF: 663150.2/17

Left Out: 1615.633 $\pm$ 0.260 χ^2 /NDF:1447.2/24

Right Out: 1668.969 $\pm$ 0.395 χ^2 /NDF: 199157.8/21

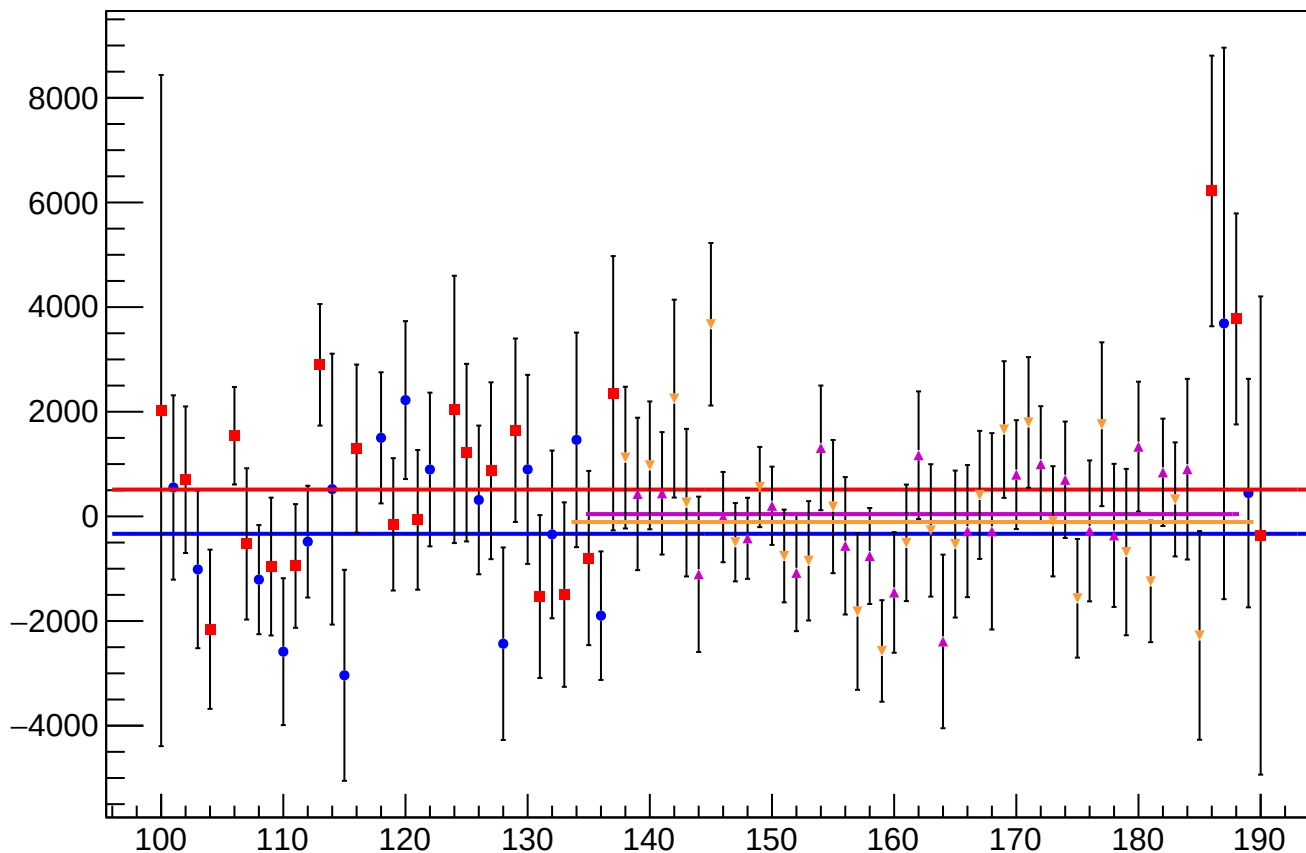
Left In: 1616.361 $\pm$ 0.267 χ^2 /NDF:2557.7/22

+ sign 1628.794 $\pm$ 0.222 χ^2 /NDF: 674101.2/42

All: 1630.820 $\pm$ 0.157 χ^2 /NDF: 888155.5/87

- sign 1632.838 $\pm$ 0.221 χ^2 /NDF: 213887.5/44

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug



Right In: -332.903 ± 361.972 χ^2/NDF : 16.4/17

Left Out: -106.340 ± 234.307 χ^2/NDF : 29.0/24

Right Out: 512.869 ± 332.183 χ^2/NDF : 25.2/21

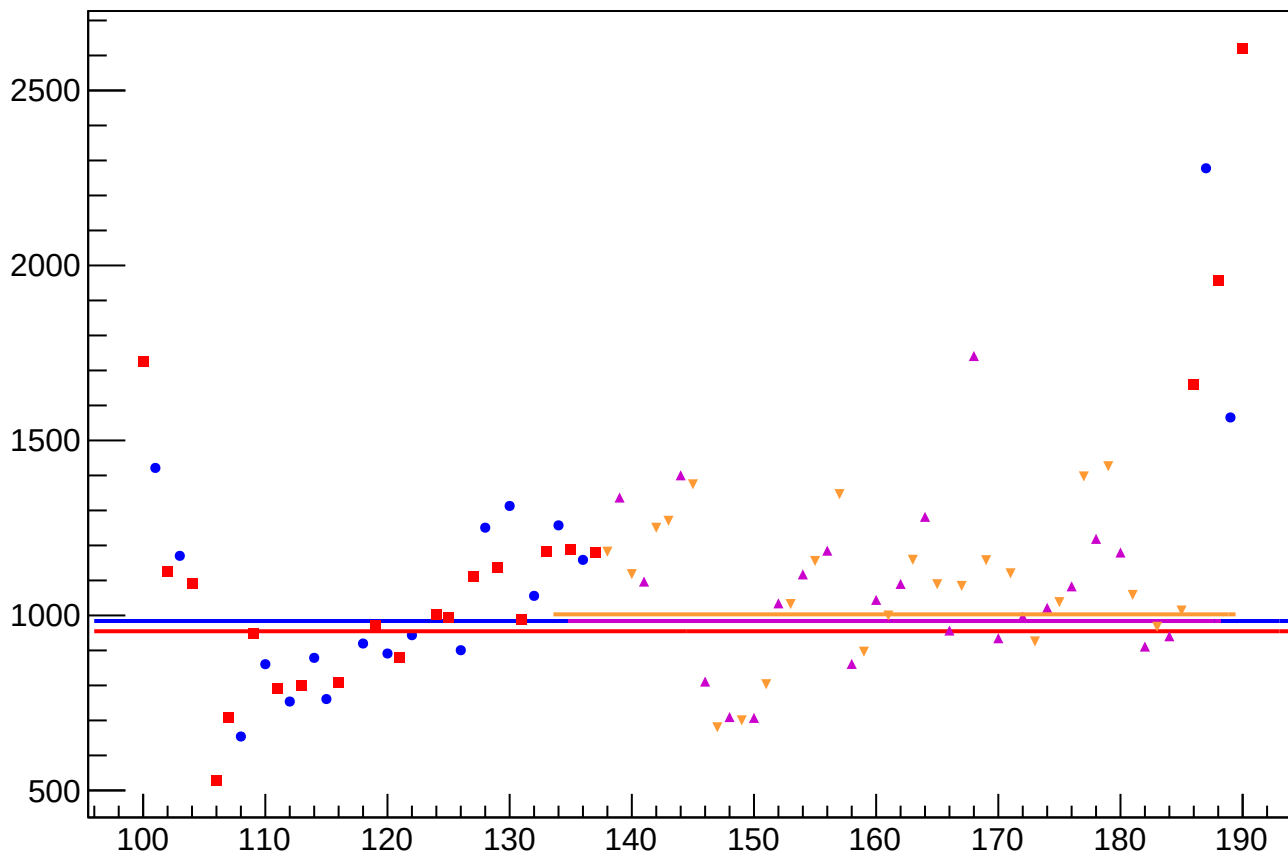
Left In: 44.468 ± 235.733 χ^2/NDF : 12.8/22

+ sign -173.239 ± 196.695 χ^2/NDF : 45.7/42

All: 18.340 ± 137.484 χ^2/NDF : 86.9/87

- sign 201.350 ± 192.245 χ^2/NDF : 39.3/44

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 984.055 $\pm$ 0.256 χ^2 /NDF: 961942.2/17

Left Out: 1003.103 $\pm$ 0.166 χ^2 /NDF: 1598417.7/24

Right Out: 954.817 $\pm$ 0.235 χ^2 /NDF: 1688007.4/21

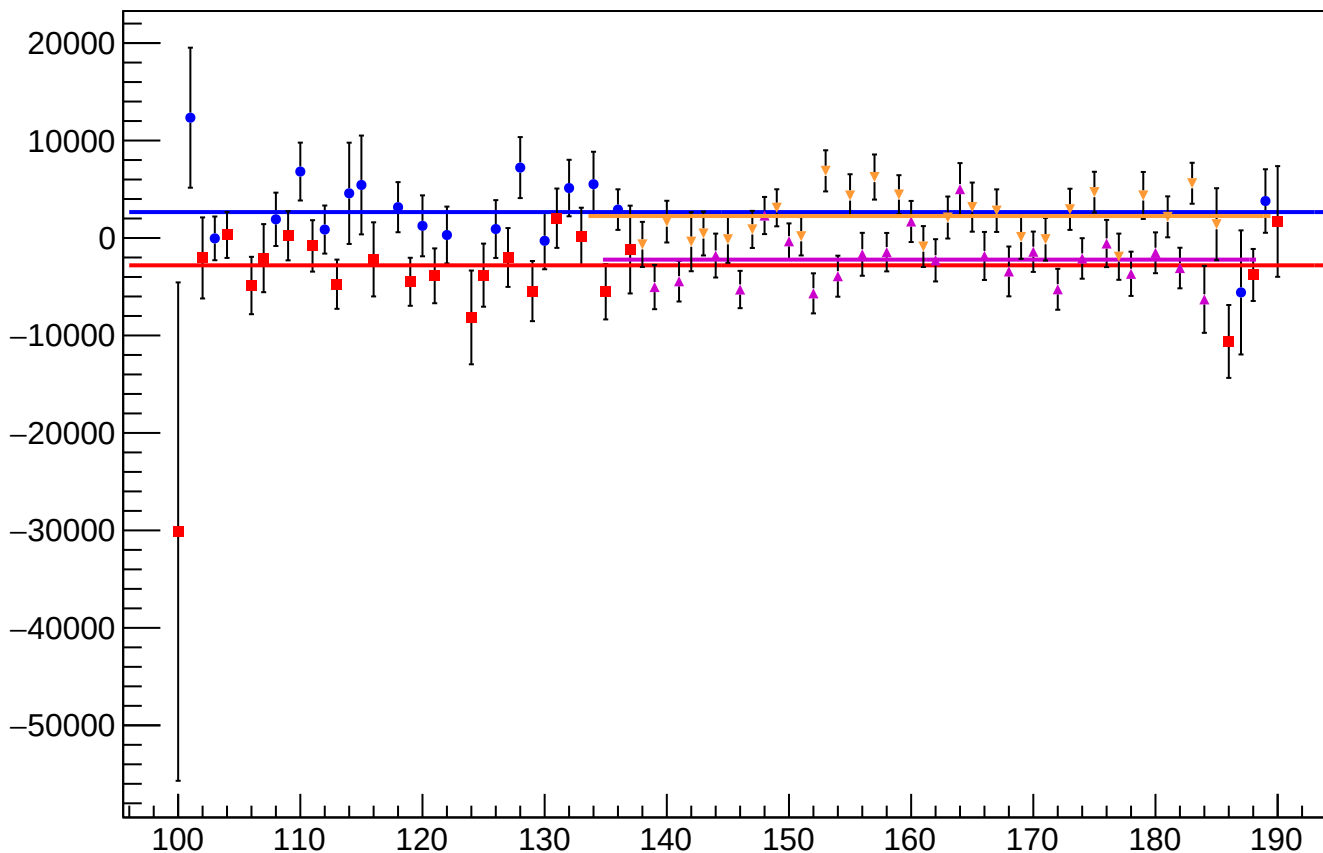
Left In: 984.055 $\pm$ 0.167 χ^2 /NDF: 1559563.7/22

+ sign 997.479 $\pm$ 0.139 χ^2 /NDF: 2564262.7/42

All: 985.605 $\pm$ 0.097 χ^2 /NDF: 5836388.5/87

- sign 974.263 $\pm$ 0.136 χ^2 /NDF: 3257875.8/44

asym_usr_atr1_avg_mean vs Slug



Right In: 2659.227 $\pm$ 712.559 χ^2 /NDF: 13.9/17

Left Out: 2252.380 $\pm$ 442.213 χ^2 /NDF: 28.3/24

Right Out: -2804.064 $\pm$ 667.147 χ^2 /NDF: 18.5/21

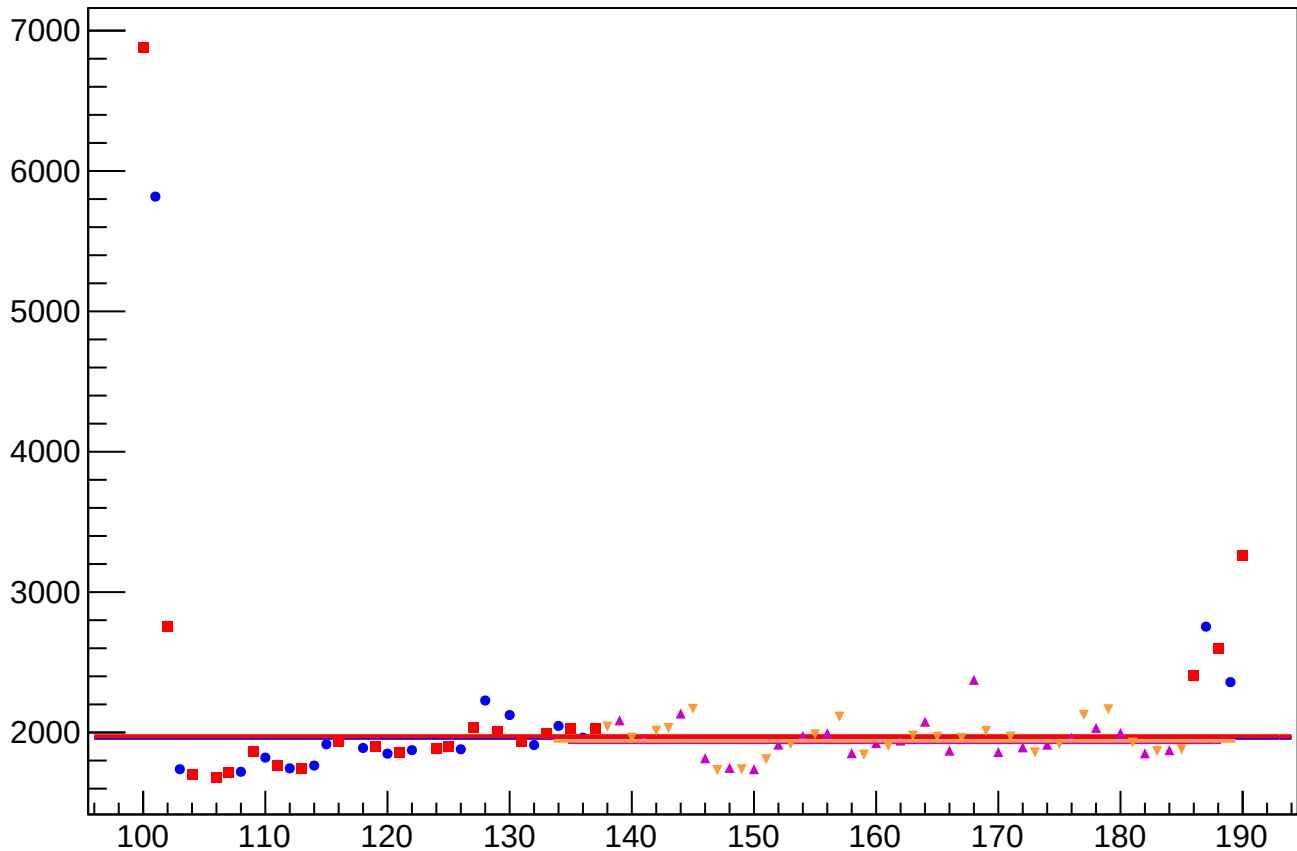
Left In: -2219.401 $\pm$ 452.286 χ^2 /NDF: 31.5/22

+ sign 2365.505 $\pm$ 375.737 χ^2 /NDF: 42.5/42

All: -27.716 $\pm$ 265.200 χ^2 /NDF: 173.9/87

- sign -2403.501 $\pm$ 374.366 χ^2 /NDF: 50.6/44

asym_usr_atr1_avg_rms vs Slug



Right In: 1962.003+/-0.504 χ^2/NDF : 725330.3/17

Left Out: 1941.583+/-0.313 χ^2/NDF :139011.4/24

Right Out: 1973.565+/-0.472 χ^2/NDF : 485273.2/21

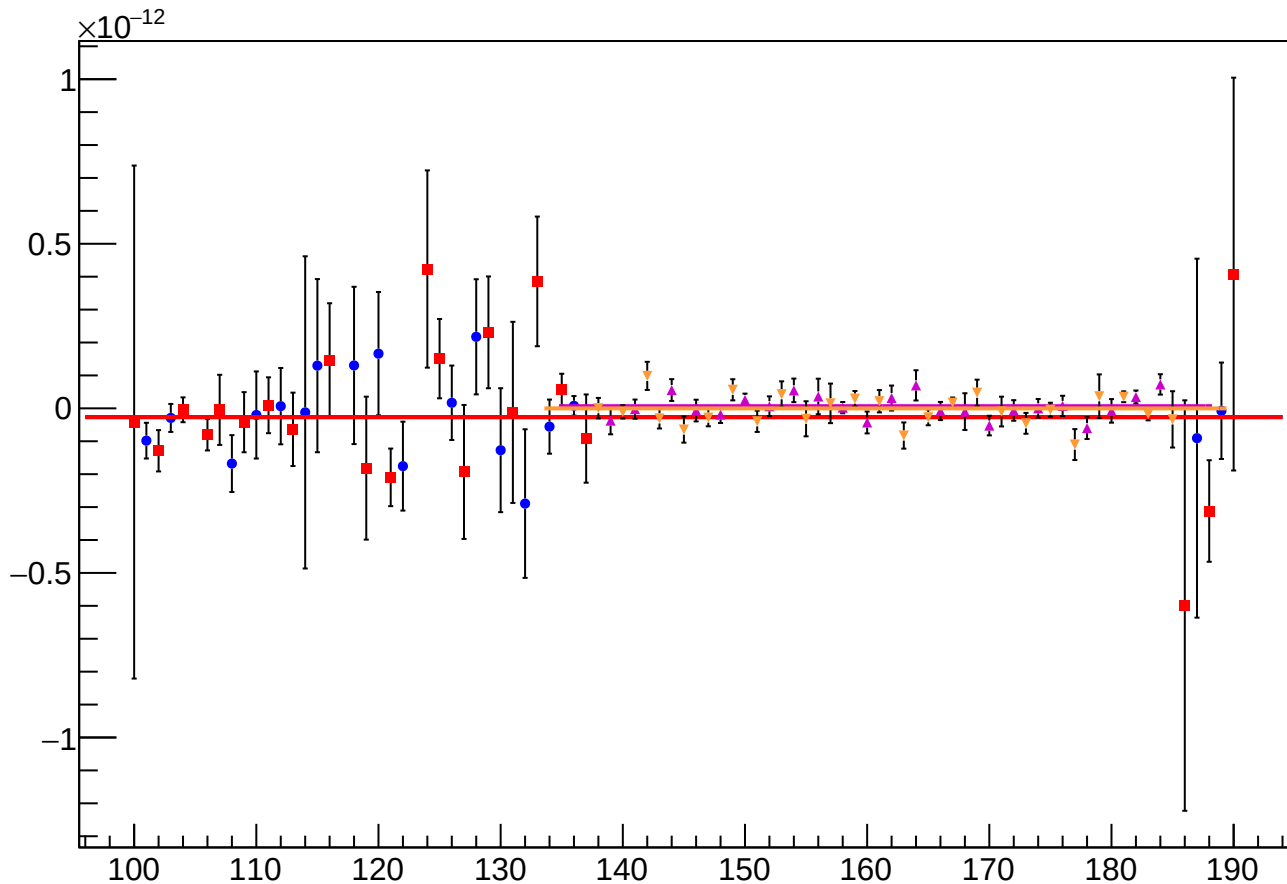
Left In: 1931.812+/-0.320 χ^2/NDF :159877.0/22

+ sign 1947.261+/-0.266 χ^2/NDF : 865527.4/42

All: 1946.106+/-0.188 χ^2/NDF : 1516082.2/87

- sign 1944.960+/-0.265 χ^2/NDF : 650517.1/44

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2 /NDF:40.3/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 30.3/21

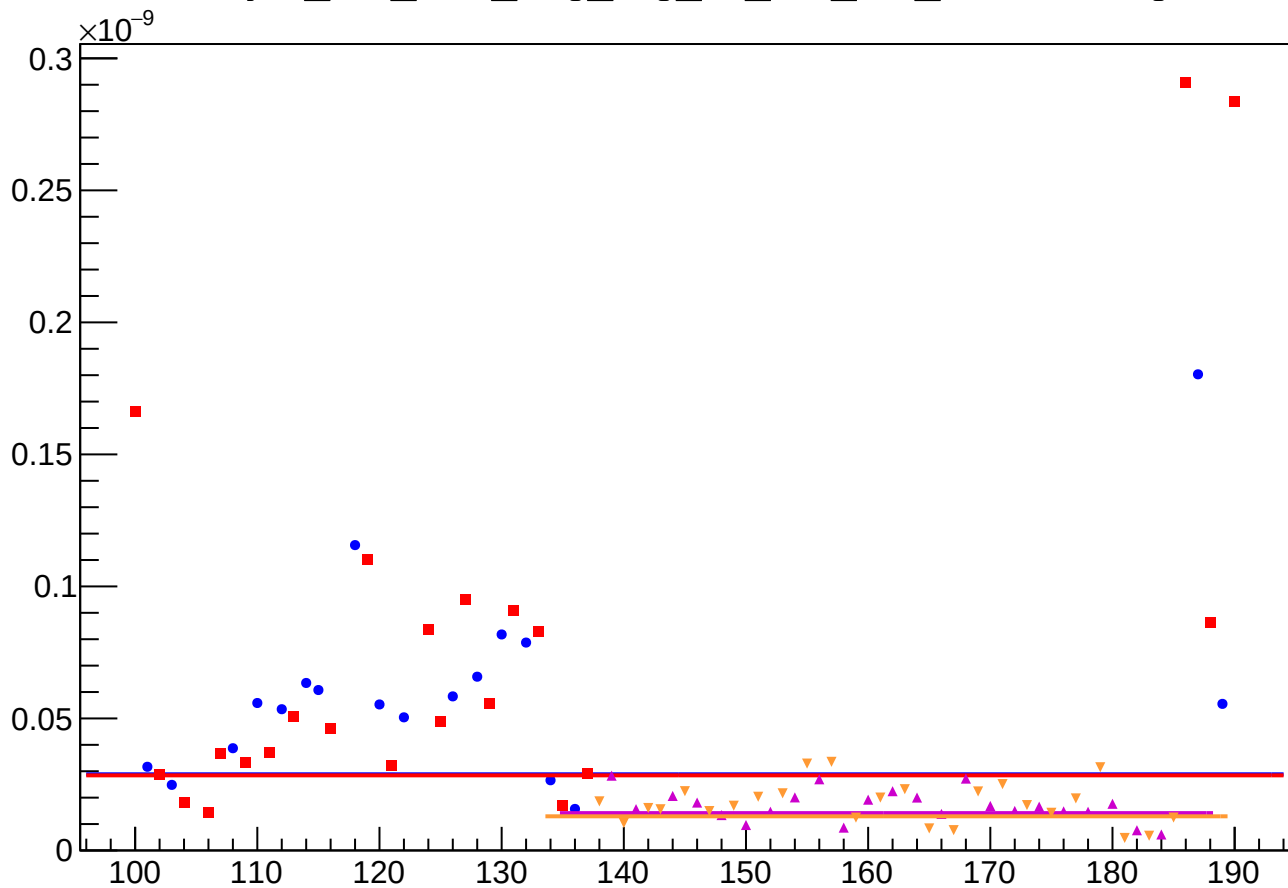
Left In: 0.000+/-0.000 χ^2 /NDF:27.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 54.9/42

All: 0.000+/-0.000 χ^2 /NDF: 115.9/87

- sign 0.000+/-0.000 χ^2 /NDF: 60.5/44

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1713510.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2568861.2/21

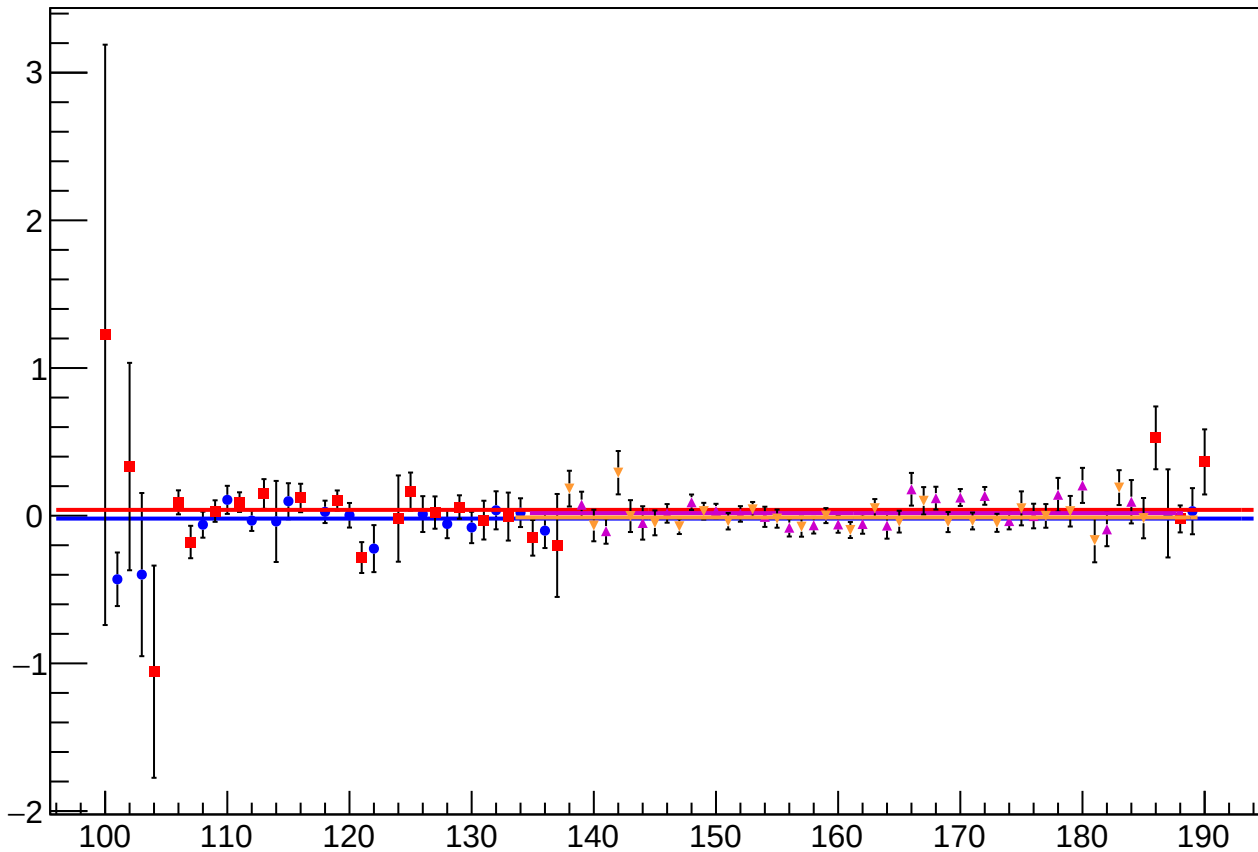
Left In: 0.000+/-0.000 χ^2/NDF : 1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 5828702.9/42

All: 0.000+/-0.000 χ^2/NDF : 10975182.2/87

- sign 0.000+/-0.000 χ^2/NDF : 5099456.9/44

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.020 ± 0.026 χ^2/NDF : 12.1/17

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.039 ± 0.023 χ^2/NDF : 32.3/21

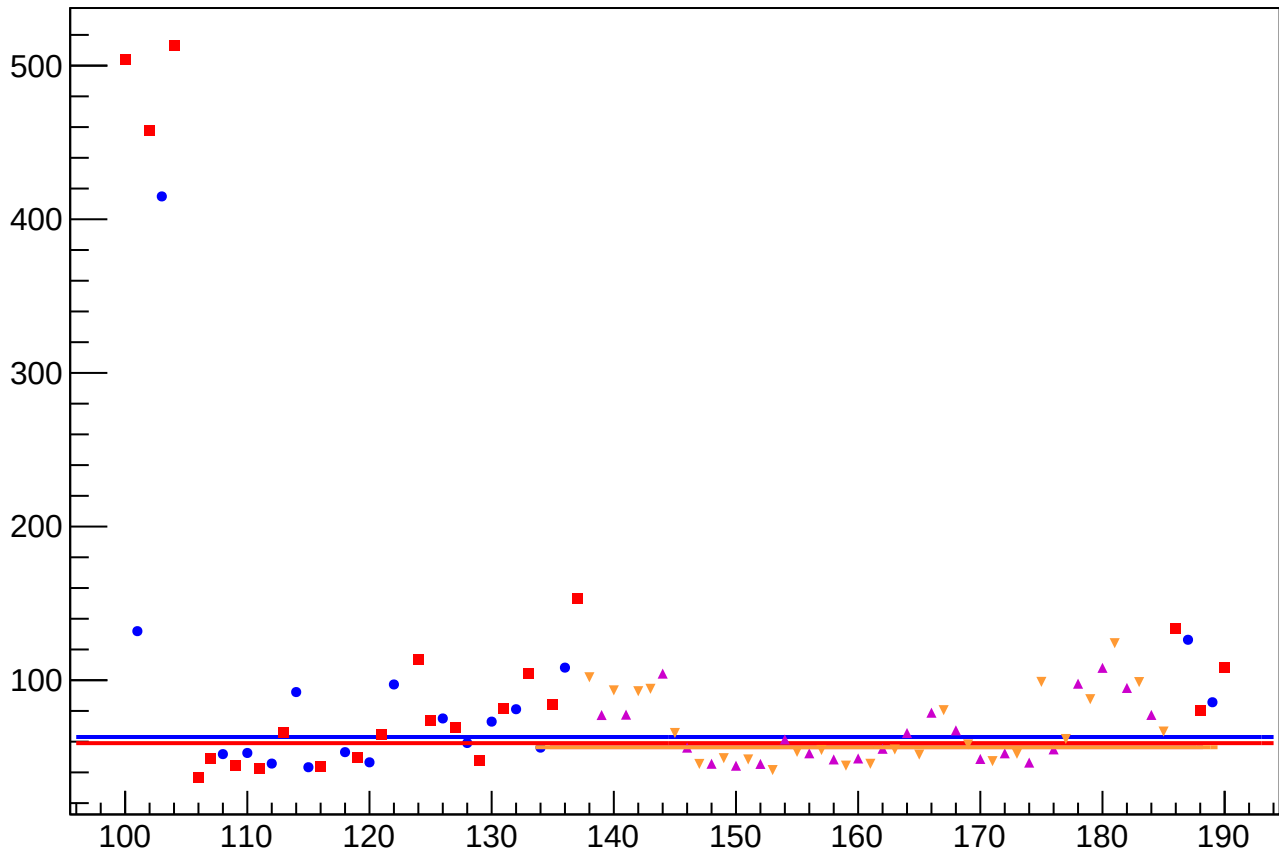
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign -0.014 ± 0.013 χ^2/NDF : 34.0/42

All: 0.005 ± 0.009 χ^2/NDF : 102.0/87

- sign 0.023 ± 0.012 χ^2/NDF : 63.6/44

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.031 $\pm$ 0.018 χ^2 /NDF: 2073685.1/17

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797305.0/24

Right Out: 59.035 $\pm$ 0.017 χ^2 /NDF: 3080248.5/21

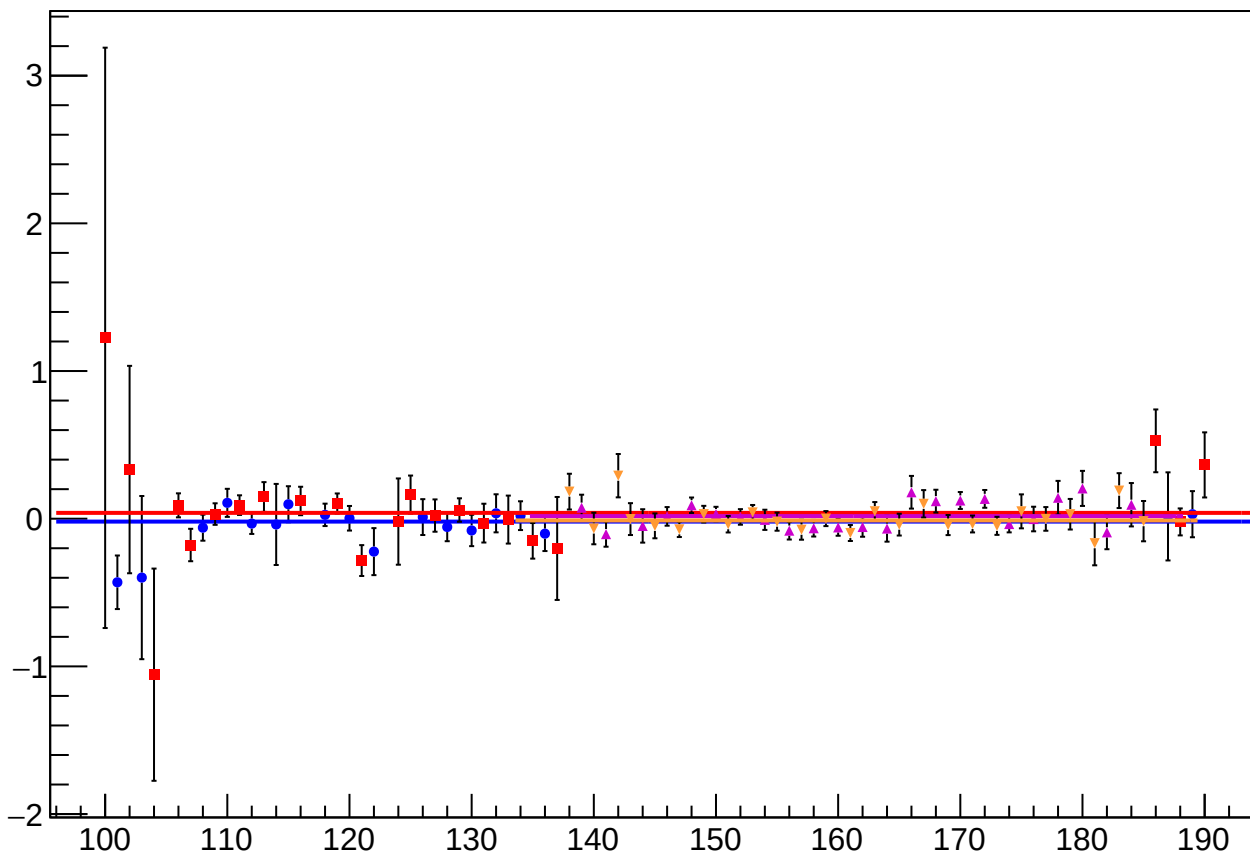
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140078.8/22

+ sign 57.915 $\pm$ 0.009 χ^2 /NDF: 4971142.7/42

All: 57.539 $\pm$ 0.006 χ^2 /NDF: 10212354.7/87

- sign 57.176 $\pm$ 0.009 χ^2 /NDF: 5237679.0/44

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.026 χ^2/NDF : 12.1/17

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.039 ± 0.023 χ^2/NDF : 32.3/21

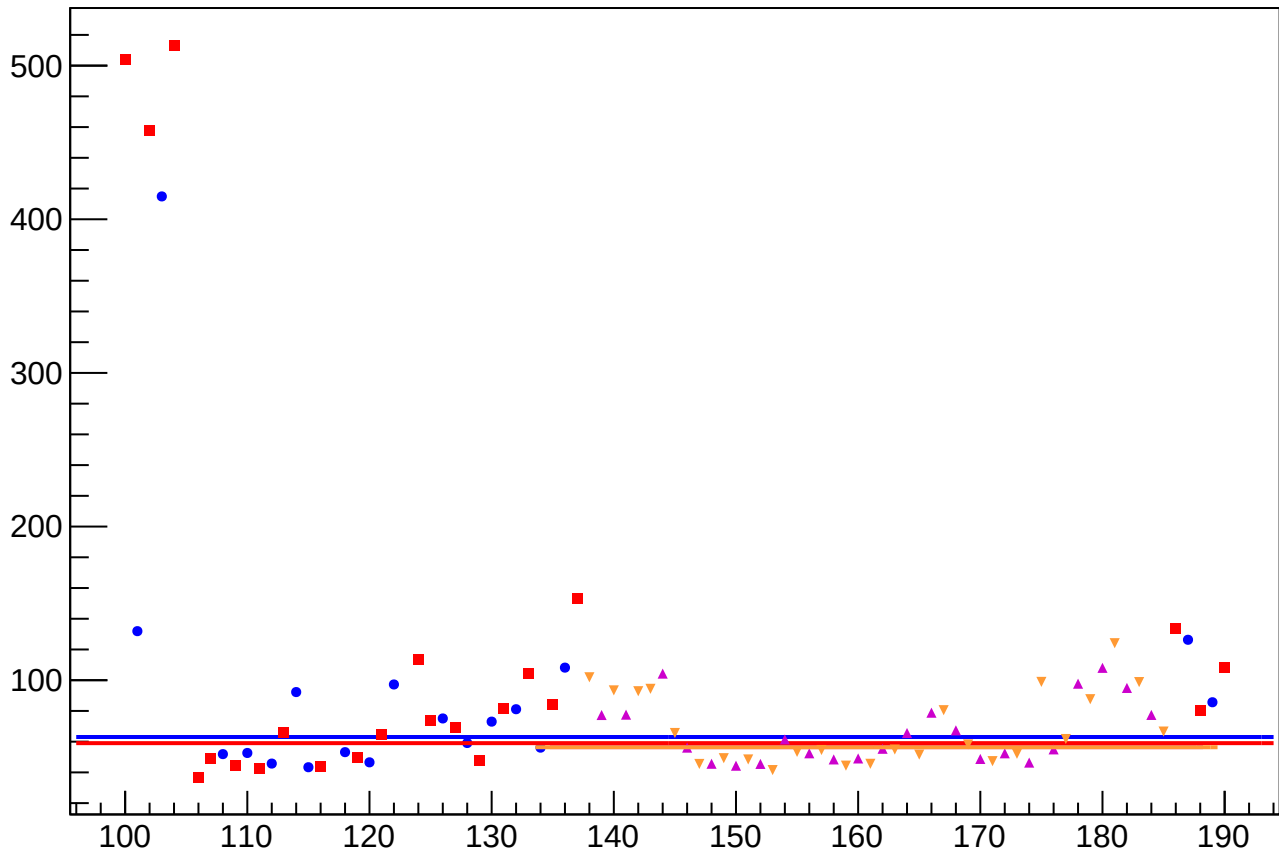
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign -0.014 ± 0.013 χ^2/NDF : 34.0/42

All: 0.005 ± 0.009 χ^2/NDF : 102.0/87

- sign 0.023 ± 0.012 χ^2/NDF : 63.6/44

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.031 $\pm$ 0.018 χ^2 /NDF: 2073685.1/17

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797305.0/24

Right Out: 59.035 $\pm$ 0.017 χ^2 /NDF: 3080248.5/21

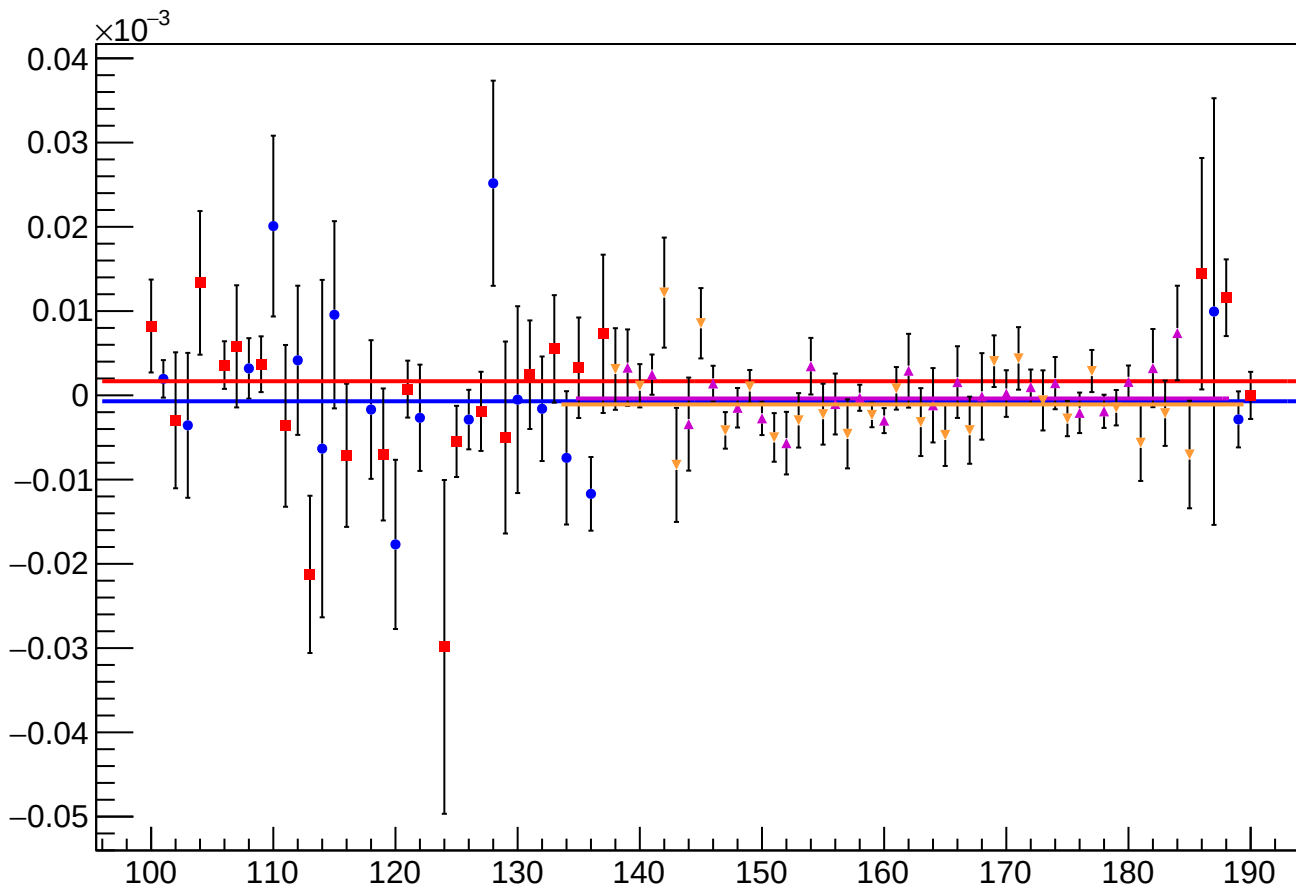
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140078.8/22

+ sign 57.915 $\pm$ 0.009 χ^2 /NDF: 4971142.7/42

All: 57.539 $\pm$ 0.006 χ^2 /NDF: 10212354.7/87

- sign 57.176 $\pm$ 0.009 χ^2 /NDF: 5237679.0/44

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 23.2/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 31.6/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 26.6/21

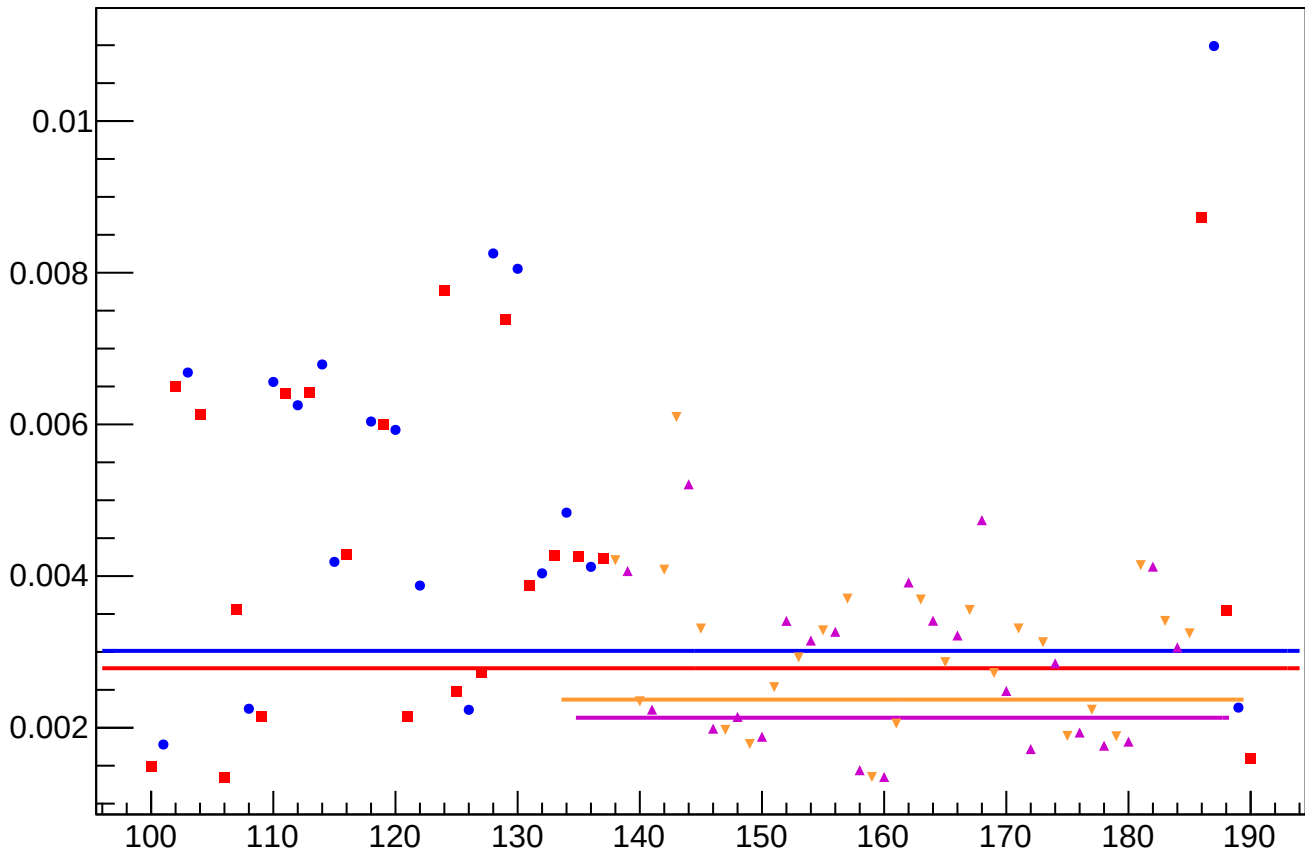
Left In: -0.000 ± 0.000 χ^2/NDF : 17.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 54.9/42

All: -0.000 ± 0.000 χ^2/NDF : 103.8/87

- sign 0.000 ± 0.000 χ^2/NDF : 46.8/44

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 3594355.8/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4161142.1/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 4110061.6/21

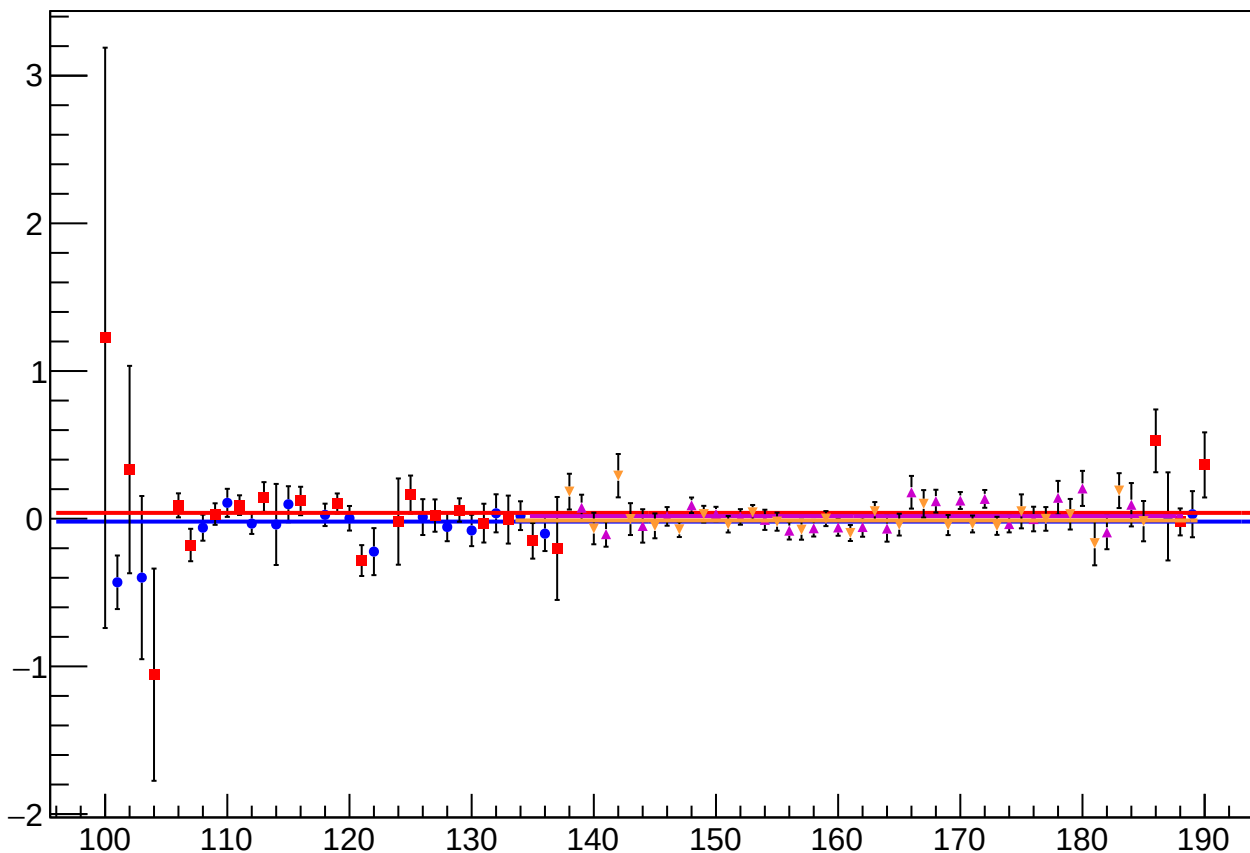
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4521223.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8198568.7/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 17602553.0/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9194952.6/44

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.020 ± 0.026 χ^2/NDF : 12.1/17

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.039 ± 0.023 χ^2/NDF : 32.3/21

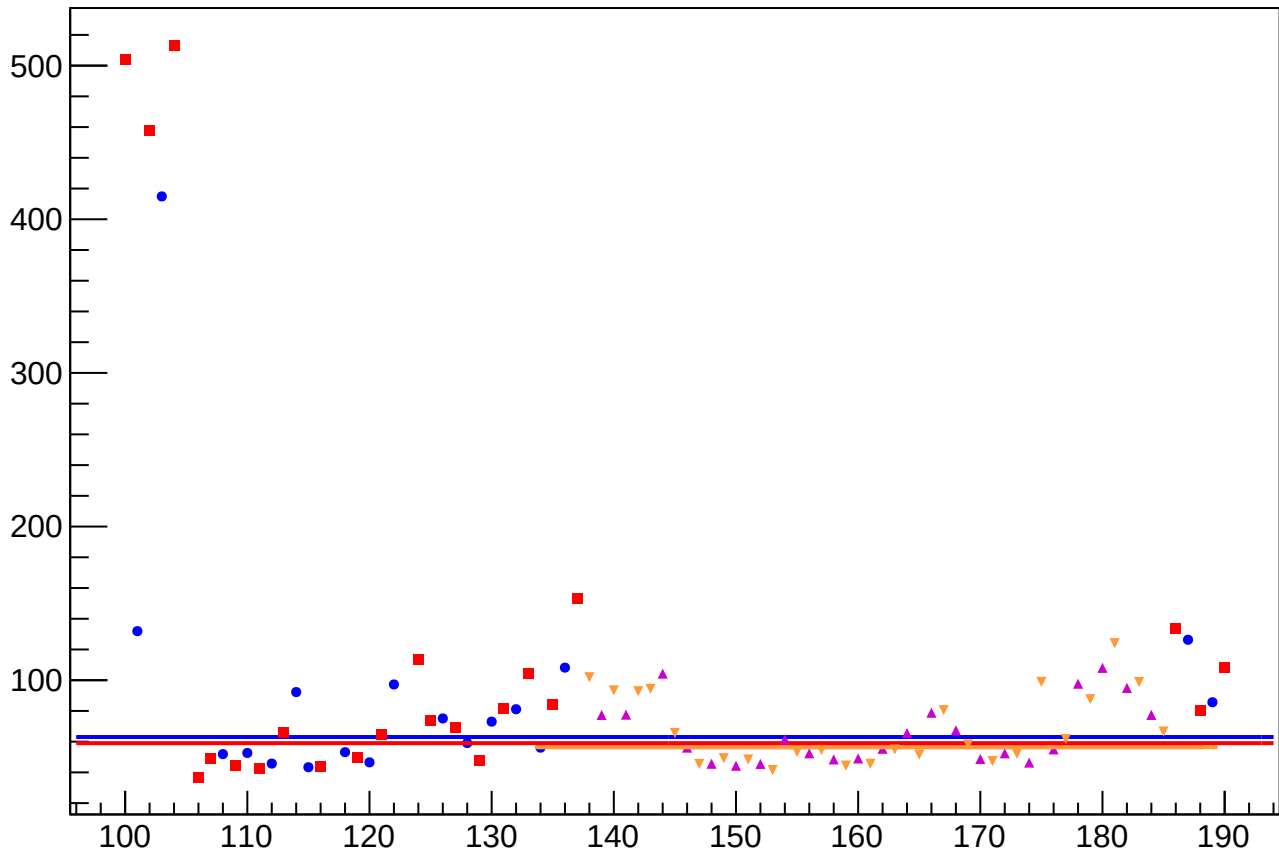
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign -0.014 ± 0.013 χ^2/NDF : 34.0/42

All: 0.005 ± 0.009 χ^2/NDF : 102.0/87

- sign 0.023 ± 0.012 χ^2/NDF : 63.6/44

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.031 $\pm$ 0.018 χ^2 /NDF: 2073653.6/17

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797380.0/24

Right Out: 59.034 $\pm$ 0.017 χ^2 /NDF: 3080247.0/21

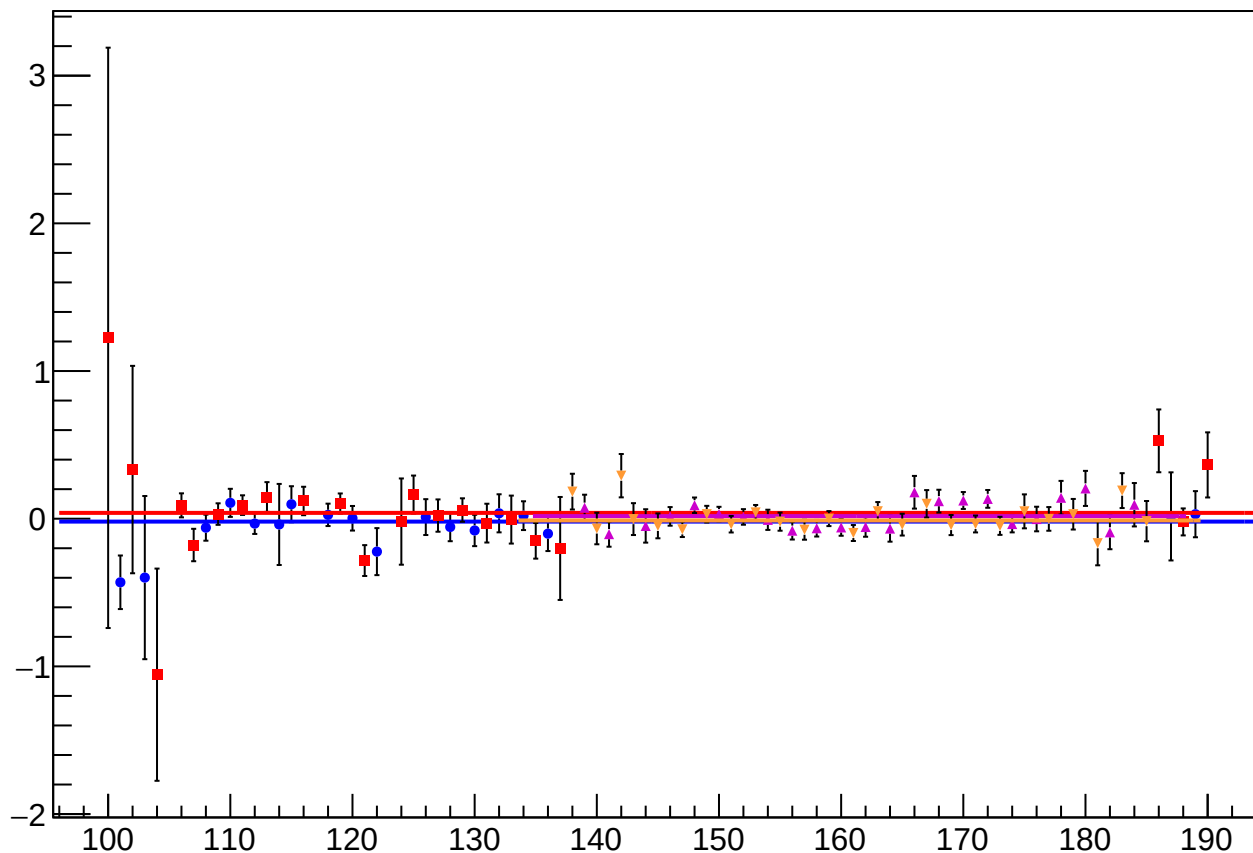
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140063.7/22

+ sign 57.915 $\pm$ 0.009 χ^2 /NDF: 4971161.6/42

All: 57.539 $\pm$ 0.006 χ^2 /NDF: 10212346.0/87

- sign 57.176 $\pm$ 0.009 χ^2 /NDF: 5237650.0/44

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020 ± 0.026 χ^2/NDF : 12.1/17

Left Out: -0.012 ± 0.014 χ^2/NDF : 21.8/24

Right Out: 0.039 ± 0.023 χ^2/NDF : 32.3/21

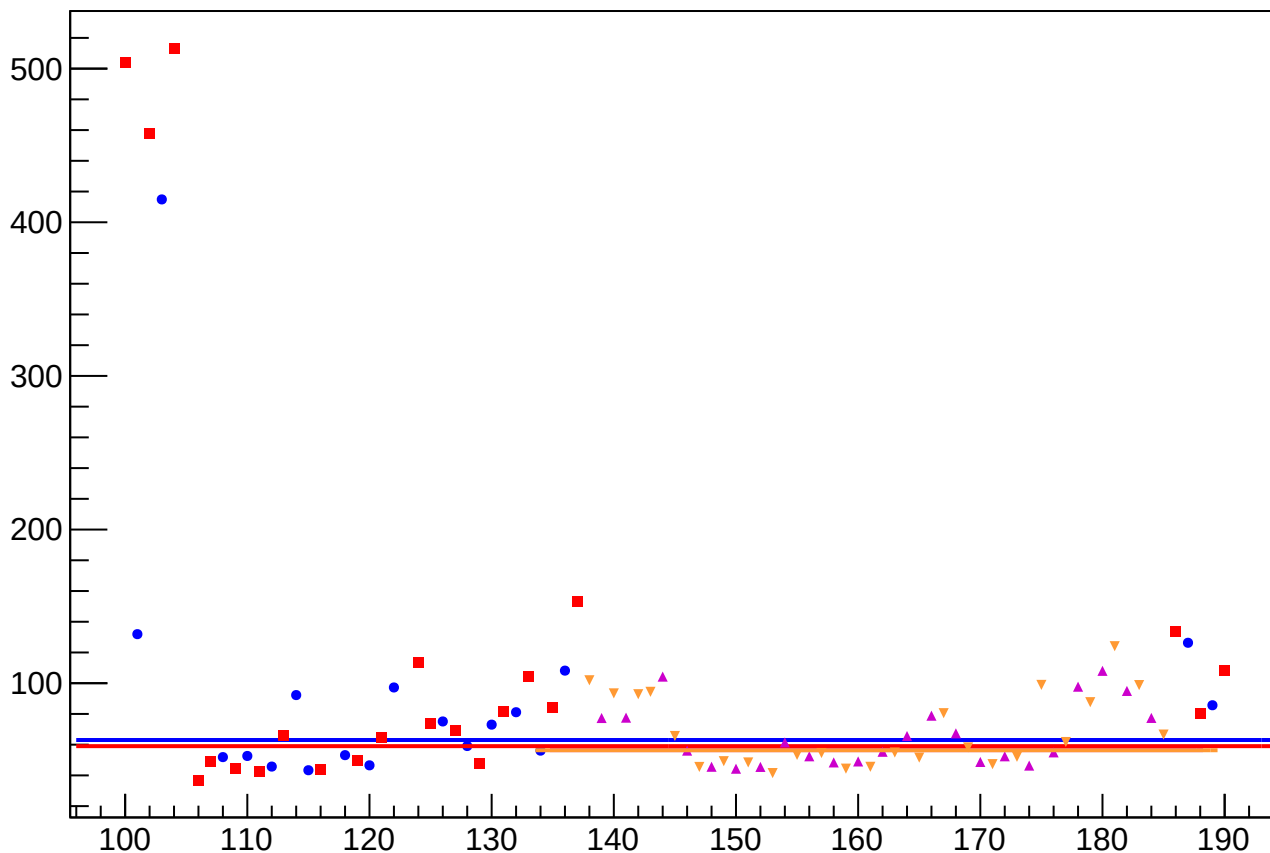
Left In: 0.017 ± 0.014 χ^2/NDF : 30.6/22

+ sign -0.014 ± 0.013 χ^2/NDF : 34.0/42

All: 0.005 ± 0.009 χ^2/NDF : 102.0/87

- sign 0.023 ± 0.012 χ^2/NDF : 63.6/44

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.031 $\pm$ 0.018 χ^2 /NDF: 2073653.6/17

Left Out: 56.374 $\pm$ 0.010 χ^2 /NDF: 2797380.0/24

Right Out: 59.034 $\pm$ 0.017 χ^2 /NDF: 3080247.0/21

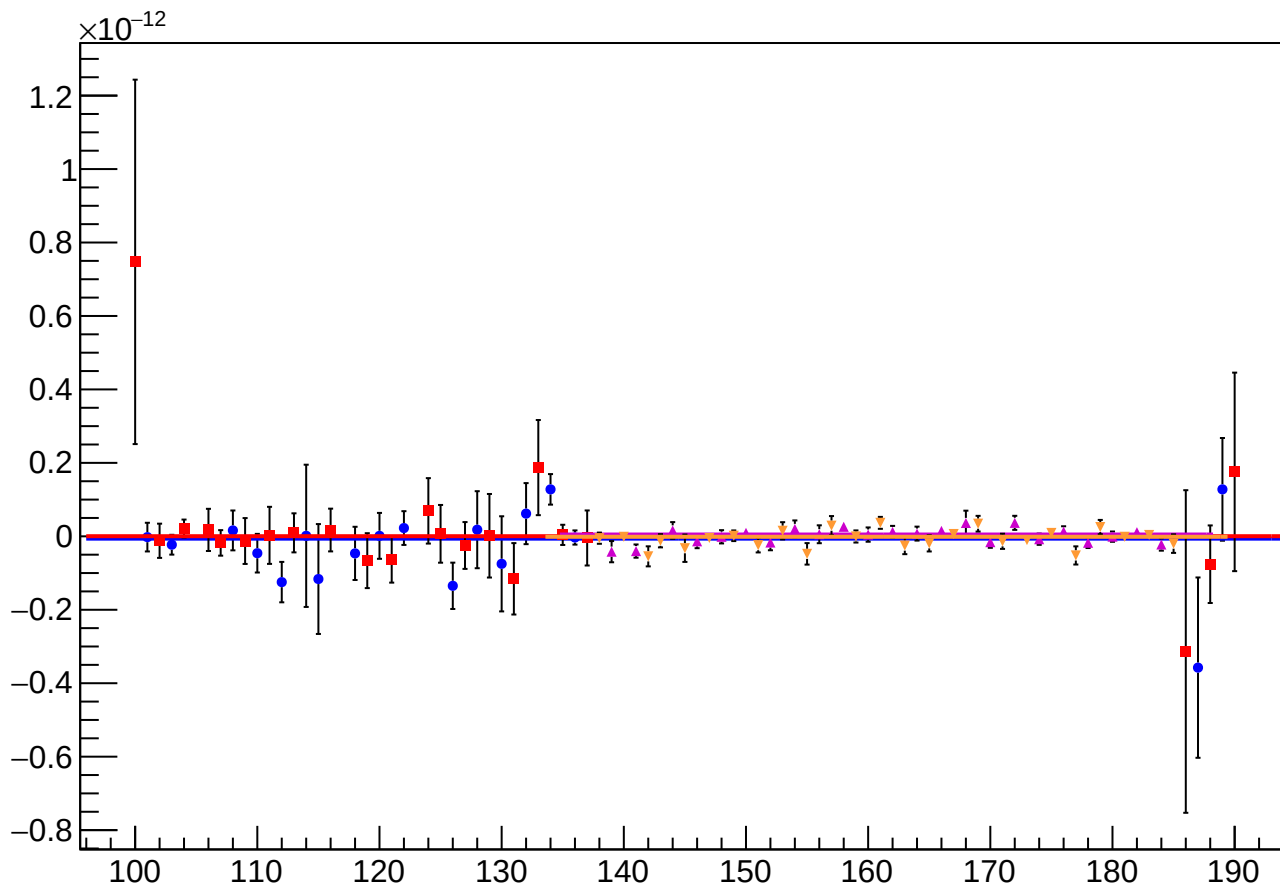
Left In: 56.467 $\pm$ 0.010 χ^2 /NDF: 2140063.7/22

+ sign 57.915 $\pm$ 0.009 χ^2 /NDF: 4971161.6/42

All: 57.539 $\pm$ 0.006 χ^2 /NDF: 10212346.0/87

- sign 57.176 $\pm$ 0.009 χ^2 /NDF: 5237650.0/44

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.6/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 29.6/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 11.2/21

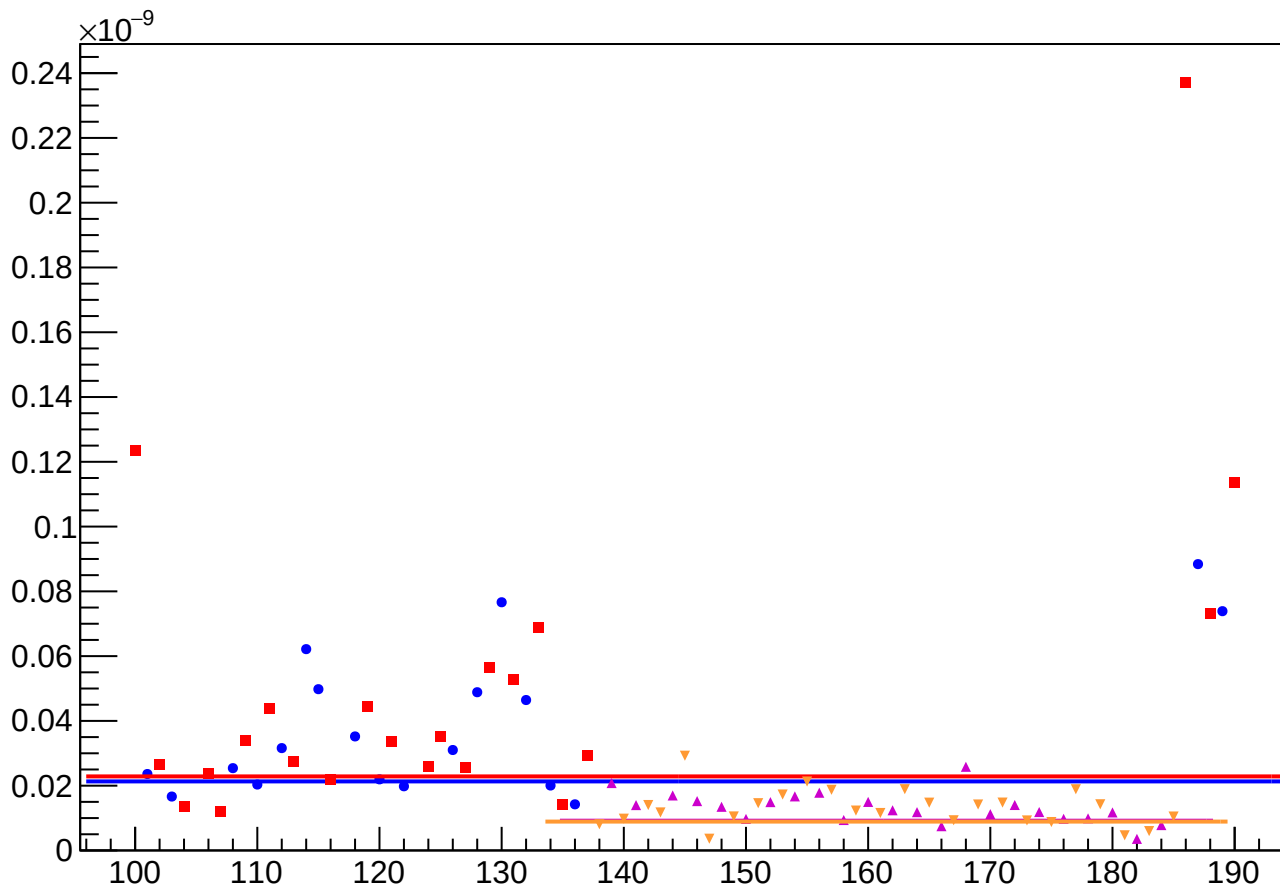
Left In: 0.000 ± 0.000 χ^2/NDF : 28.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 55.4/42

All: 0.000 ± 0.000 χ^2/NDF : 97.4/87

- sign 0.000 ± 0.000 χ^2/NDF : 39.7/44

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1820323.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3075124.8/21

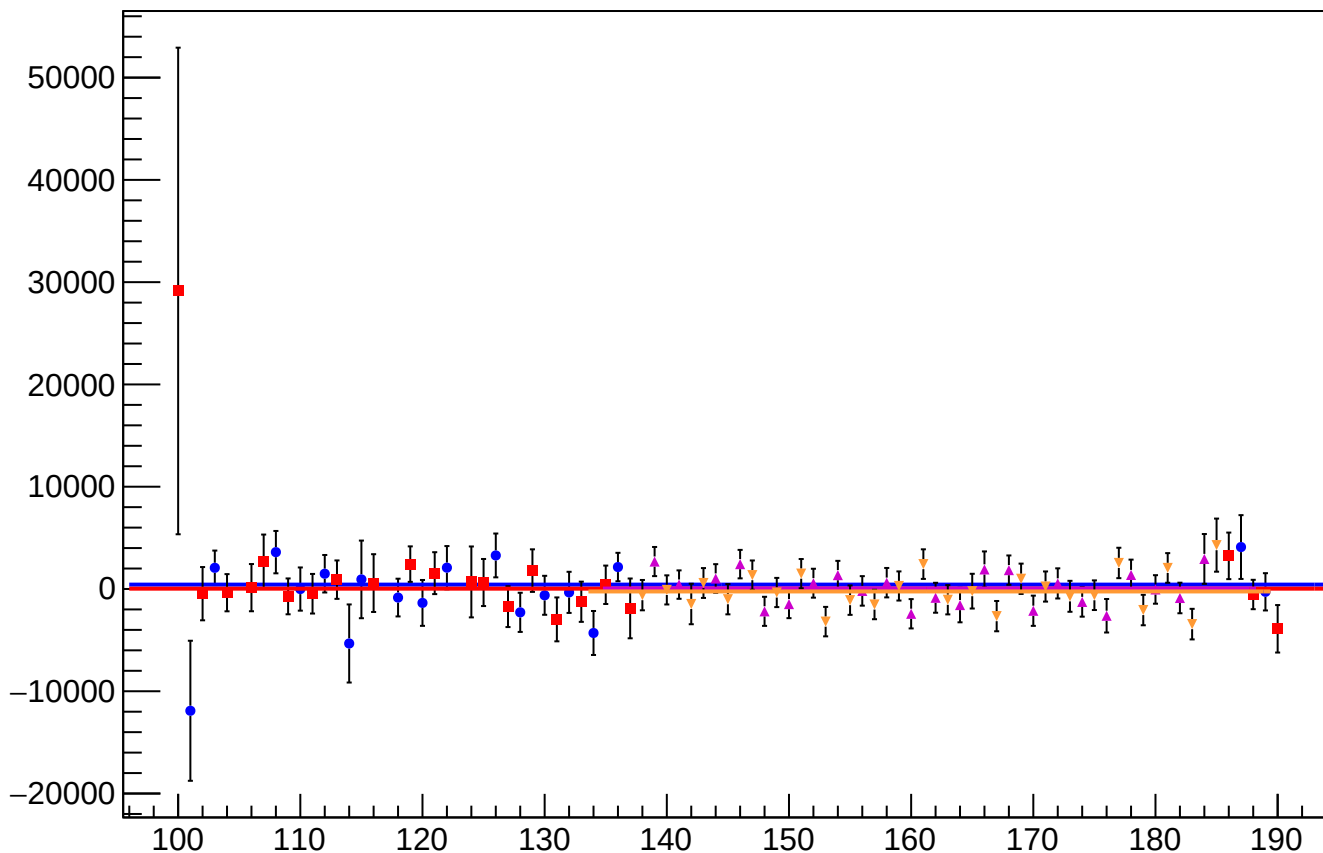
Left In: 0.000+/-0.000 χ^2/NDF : 5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 9156182.3/42

All: 0.000+/-0.000 χ^2/NDF : 19843800.8/87

- sign 0.000+/-0.000 χ^2/NDF : 10675211.1/44

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 425.848 $\pm$ 491.834 χ^2 /NDF: 23.1/17

Left Out: -240.873 $\pm$ 300.008 χ^2 /NDF:31.7/24

Right Out: 30.976 $\pm$ 454.203 χ^2 /NDF: 15.0/21

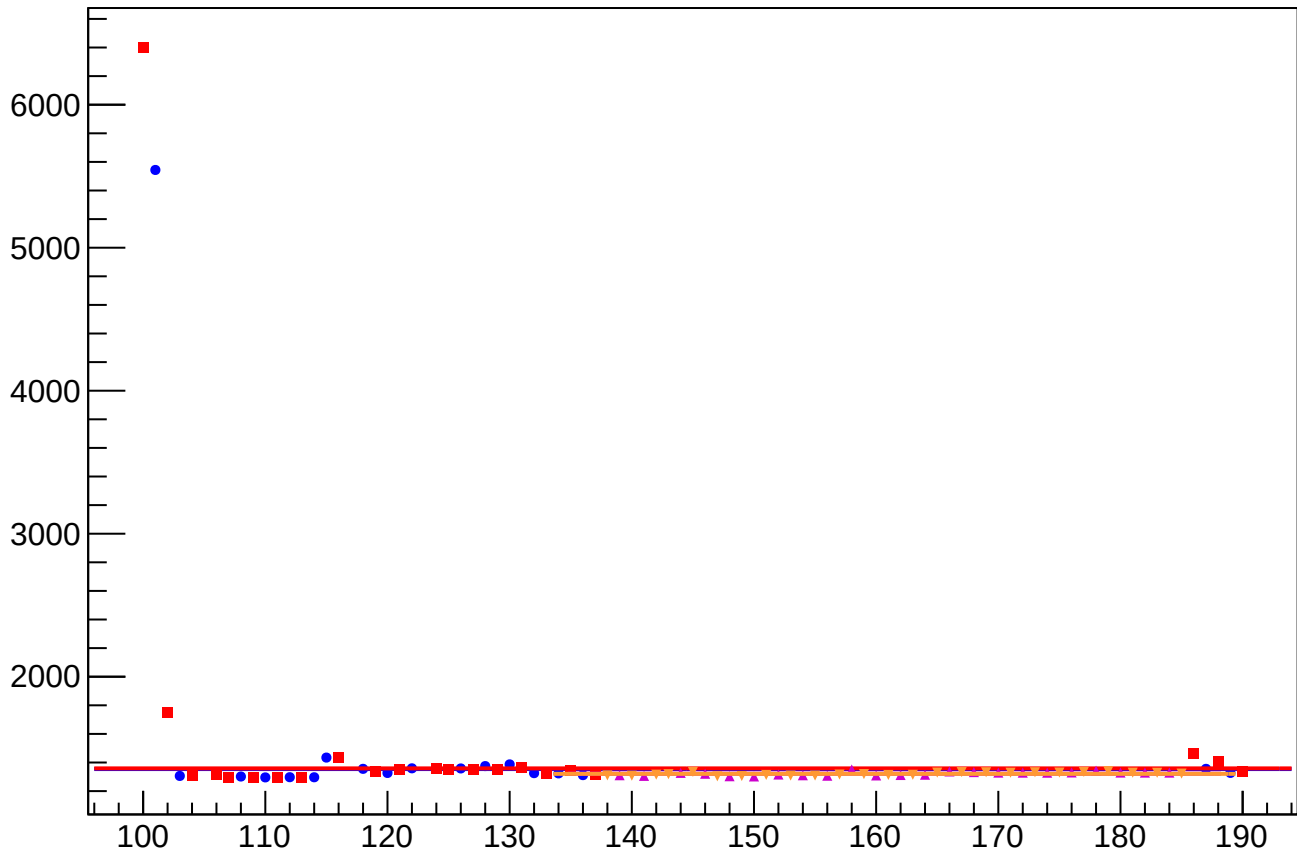
Left In: 39.122 $\pm$ 308.622 χ^2 /NDF:27.1/22

+ sign -60.075 $\pm$ 256.120 χ^2 /NDF: 56.1/42

All: -11.602 $\pm$ 180.803 χ^2 /NDF: 98.3/87

- sign 36.549 $\pm$ 255.269 χ^2 /NDF: 42.1/44

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1354.261+/-0.348 χ^2/NDF : 760736.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF : 2602.3/24

Right Out: 1358.854+/-0.321 χ^2/NDF : 154759.9/21

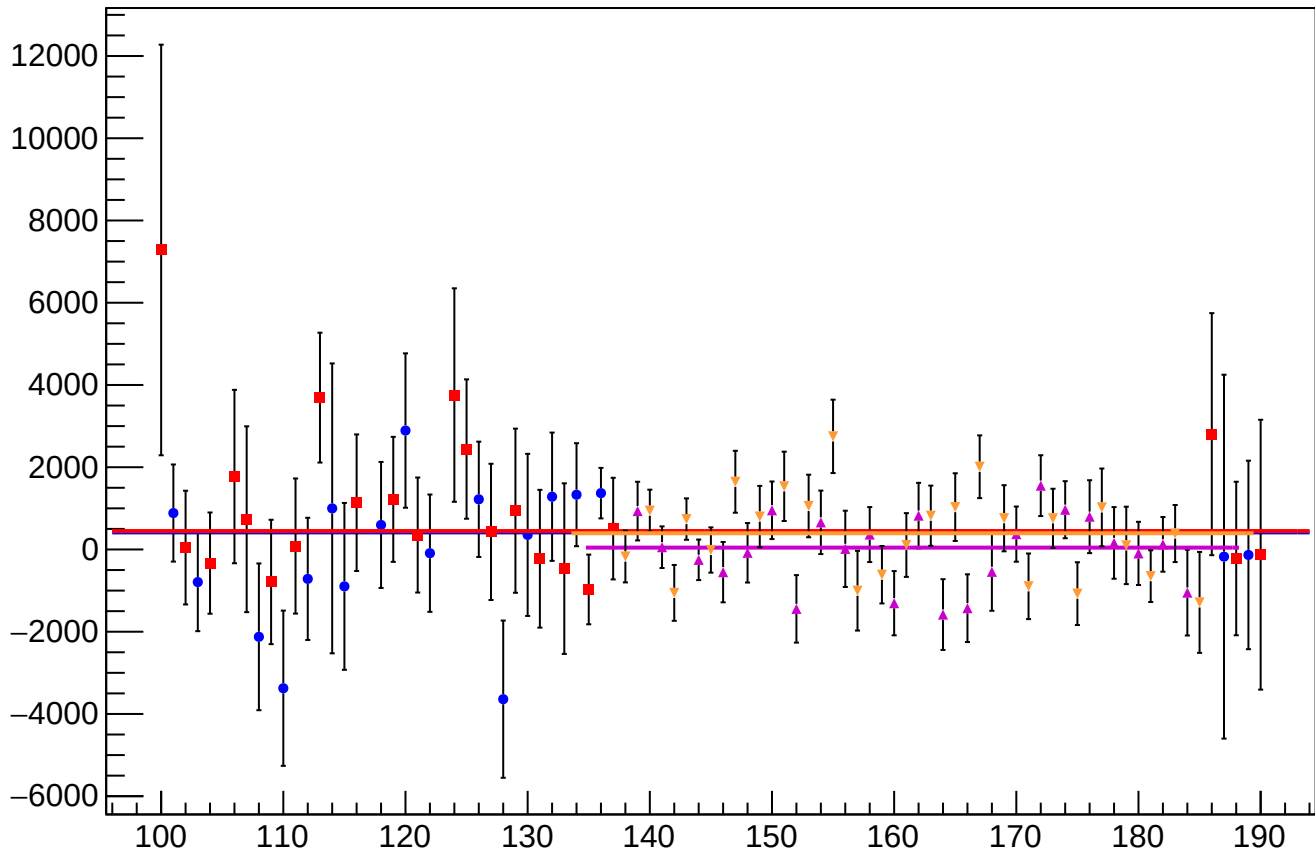
Left In: 1321.782+/-0.218 χ^2/NDF : 3553.3/22

+ sign 1329.830+/-0.181 χ^2/NDF : 770110.1/42

All: 1331.667+/-0.128 χ^2/NDF : 937743.1/87

- sign 1333.492+/-0.181 χ^2/NDF : 167427.9/44

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 414.956 ± 333.874 χ^2/NDF : 18.3/17

Left Out: 394.550 ± 144.562 χ^2/NDF : 41.8/24

Right Out: 447.965 ± 344.955 χ^2/NDF : 15.2/21

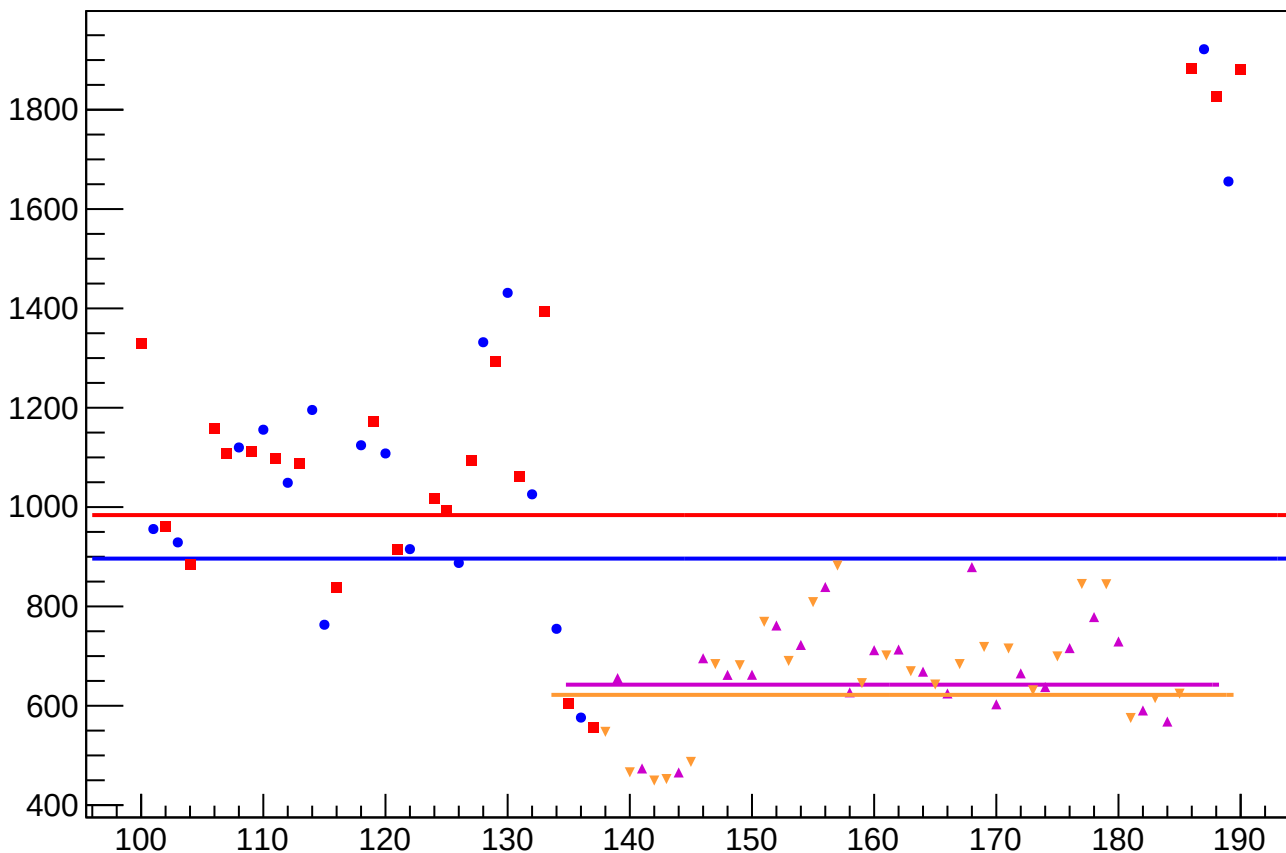
Left In: 44.777 ± 152.333 χ^2/NDF : 27.6/22

+ sign 397.771 ± 132.660 χ^2/NDF : 60.2/42

All: 261.231 ± 96.083 χ^2/NDF : 106.3/87

- sign 110.573 ± 139.350 χ^2/NDF : 43.9/44

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 896.289 ± 0.236 $\chi^2/\text{NDF}: 1350640.8/17$

Left Out: 621.950 ± 0.102 $\chi^2/\text{NDF}: 1383473.2/24$

+ sign 665.262 ± 0.094 $\chi^2/\text{NDF}: 3871258.0/42$

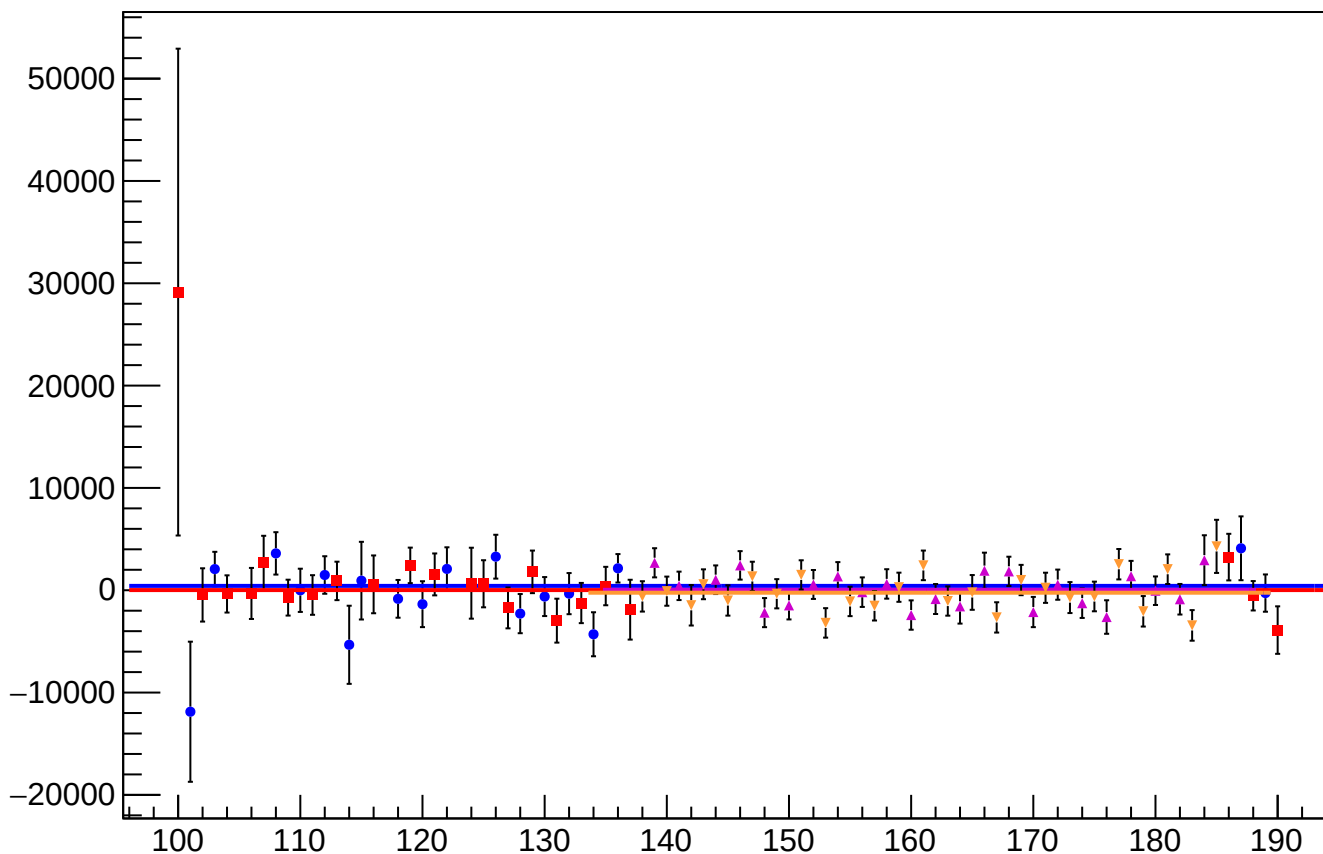
Right Out: 983.887 ± 0.244 $\chi^2/\text{NDF}: 1650419.0/21$

All: 680.914 ± 0.068 $\chi^2/\text{NDF}: 8146034.1/87$

- sign 698.185 ± 0.099 $\chi^2/\text{NDF}: 4216211.5/44$

Left In: 642.470 ± 0.108 $\chi^2/\text{NDF}: 926330.5/22$

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 426.114 $\pm$ 491.834 χ^2 /NDF: 23.0/17

Left Out: -240.875 $\pm$ 300.008 χ^2 /NDF:31.7/24

Right Out: 15.928 $\pm$ 455.476 χ^2 /NDF: 15.0/21

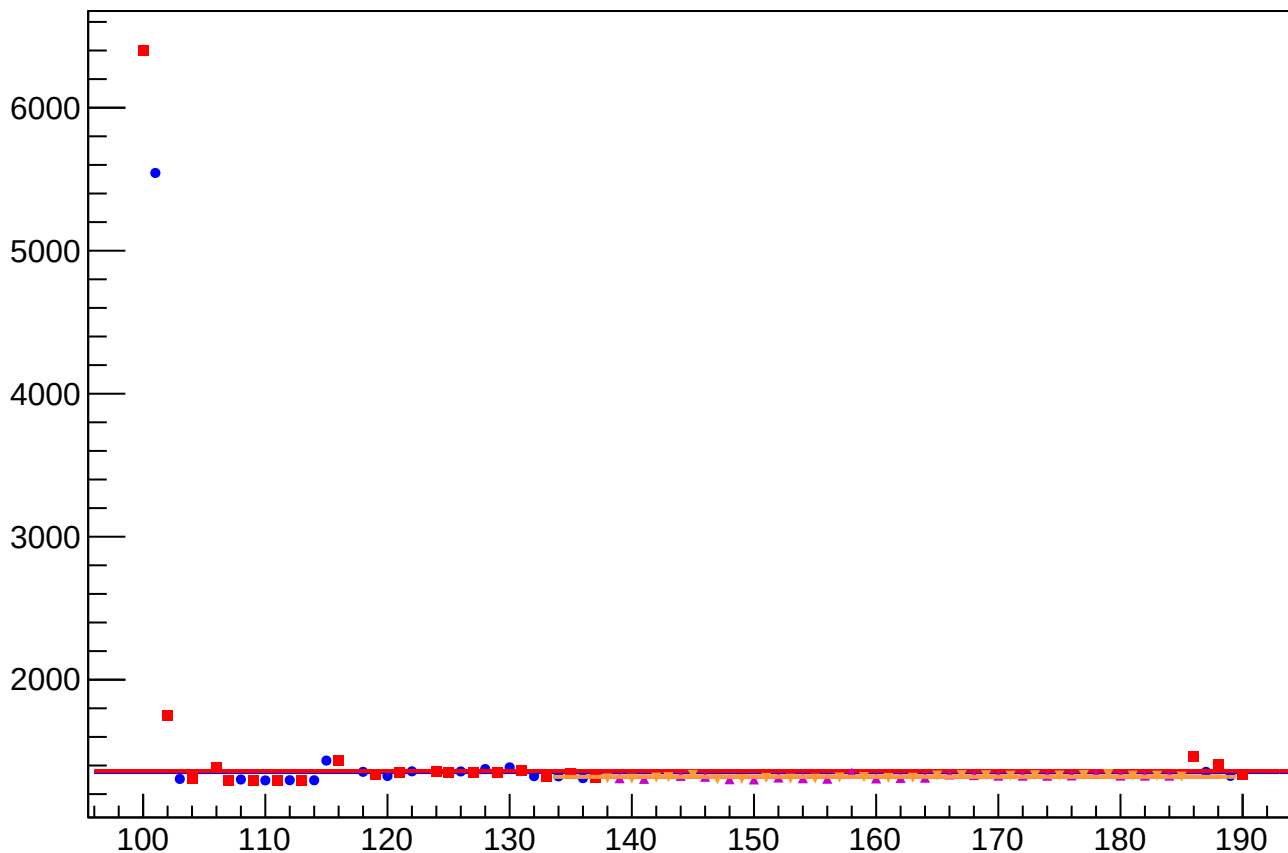
Left In: 39.193 $\pm$ 308.622 χ^2 /NDF:27.1/22

+ sign -60.004 $\pm$ 256.120 χ^2 /NDF: 56.1/42

All: -13.953 $\pm$ 180.883 χ^2 /NDF: 98.3/87

- sign 31.873 $\pm$ 255.494 χ^2 /NDF: 42.1/44

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1354.261+/-0.348 χ^2/NDF : 760735.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF : 2602.3/24

Right Out: 1361.461+/-0.322 χ^2/NDF : 154340.4/21

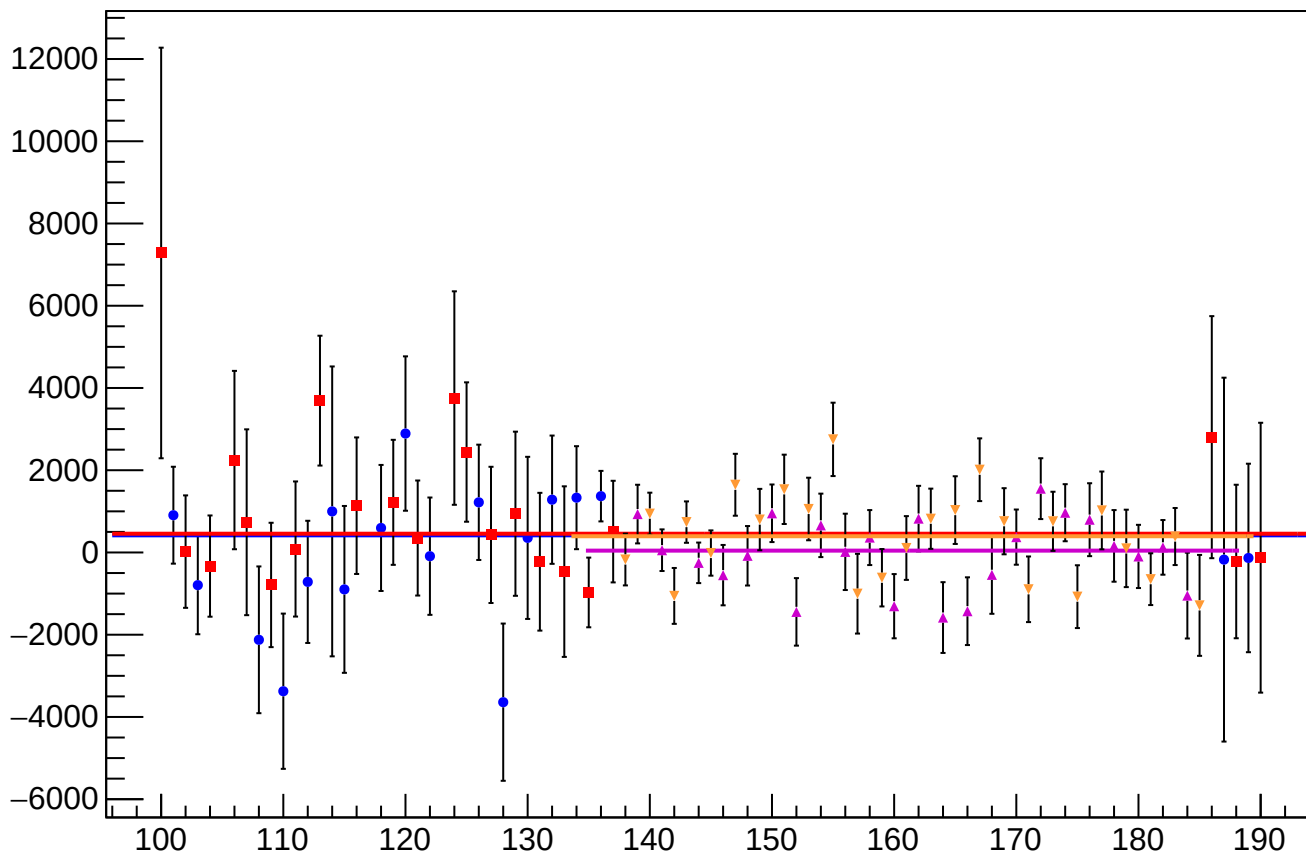
Left In: 1321.783+/-0.218 χ^2/NDF : 3553.3/22

+ sign 1329.830+/-0.181 χ^2/NDF : 770109.1/42

All: 1332.054+/-0.128 χ^2/NDF : 938705.8/87

- sign 1334.268+/-0.181 χ^2/NDF : 168295.8/44

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 416.686 ± 333.819 χ^2/NDF : 18.3/17

Left Out: 394.522 ± 144.562 χ^2/NDF : 41.8/24

Right Out: 455.945 ± 344.960 χ^2/NDF : 15.5/21

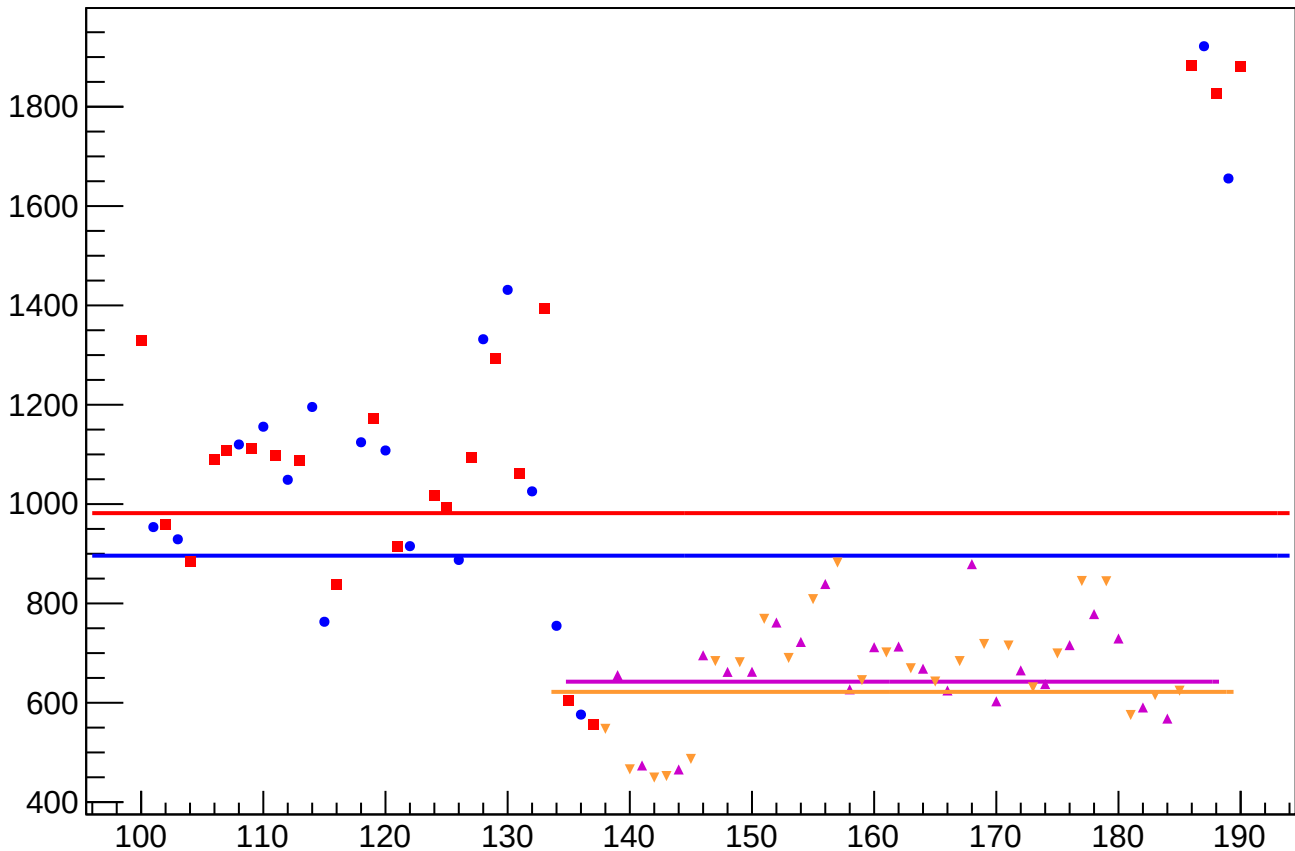
Left In: 44.766 ± 152.332 χ^2/NDF : 27.6/22

+ sign 398.022 ± 132.657 χ^2/NDF : 60.2/42

All: 261.979 ± 96.081 χ^2/NDF : 106.7/87

- sign 111.864 ± 139.349 χ^2/NDF : 44.3/44

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 896.159+/-0.236 χ^2/NDF : 1350290.6/17

Left Out: 621.950+/-0.102 χ^2/NDF : 1383373.4/24

Right Out: 981.790+/-0.244 χ^2/NDF : 1641690.7/21

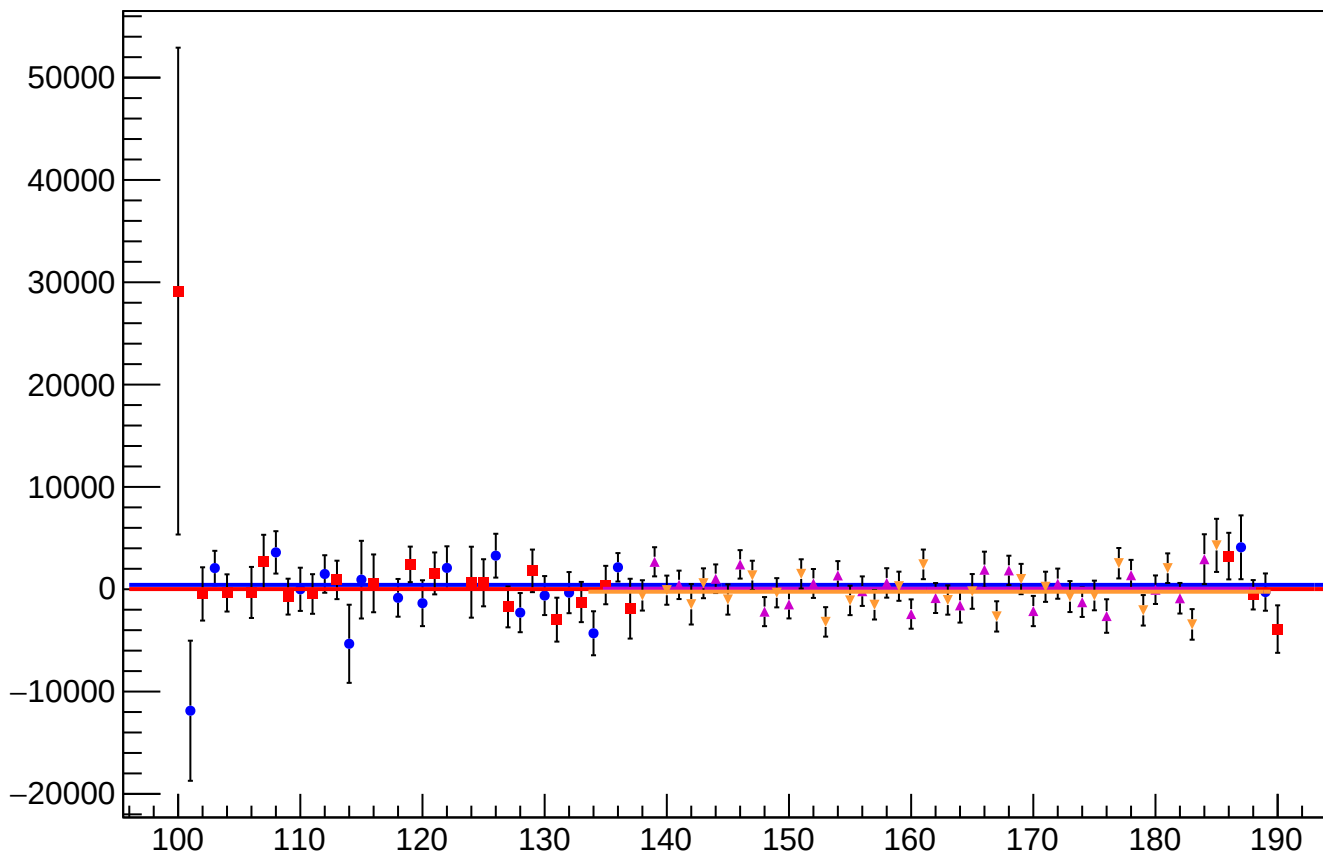
Left In: 642.465+/-0.108 χ^2/NDF : 926376.1/22

+ sign 665.253+/-0.094 χ^2/NDF : 3870039.6/42

All: 680.744+/-0.068 χ^2/NDF : 8114874.4/87

- sign 697.837+/-0.099 χ^2/NDF : 4187469.1/44

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 426.114 $\pm$ 491.834 χ^2 /NDF: 23.0/17

Left Out: -240.875 $\pm$ 300.008 χ^2 /NDF:31.7/24

Right Out: 15.928 $\pm$ 455.476 χ^2 /NDF: 15.0/21

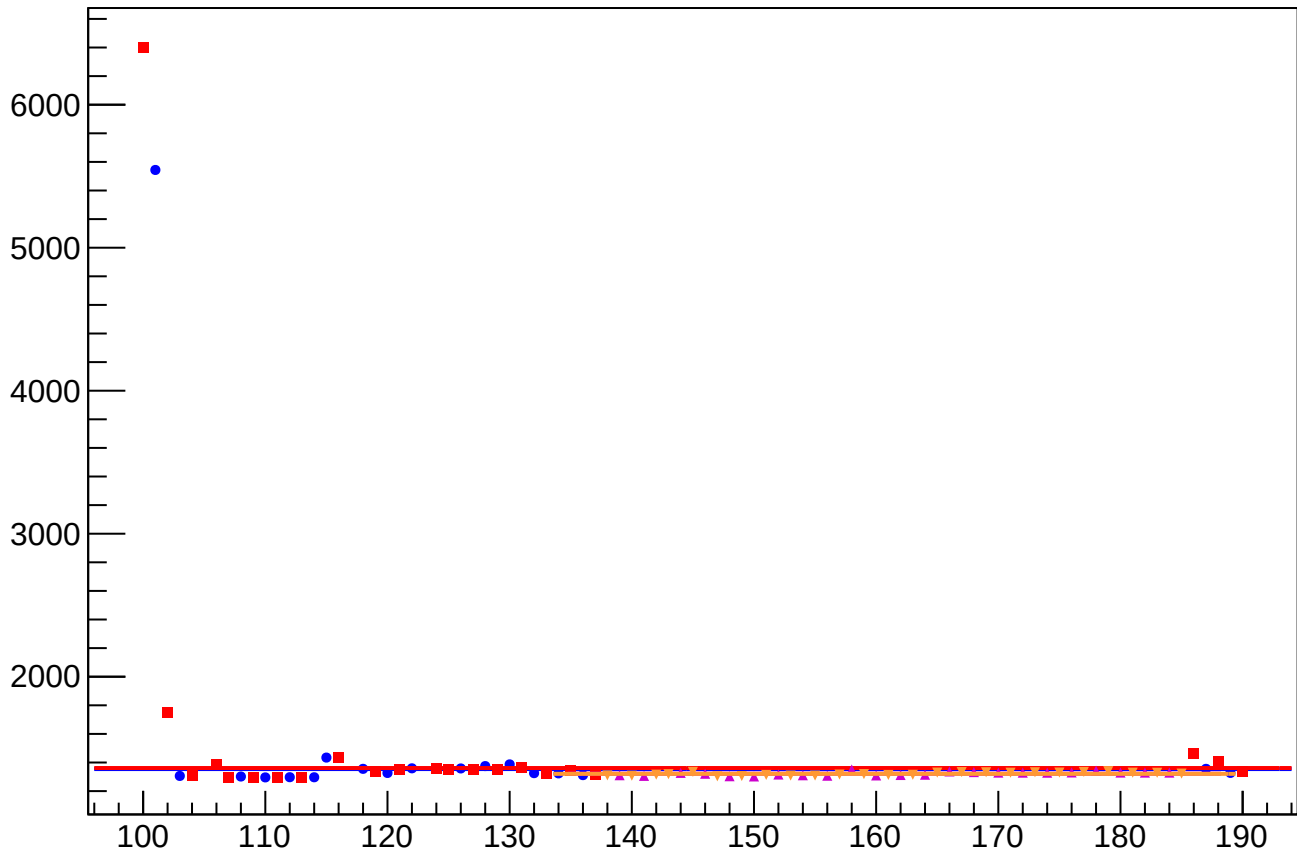
Left In: 39.193 $\pm$ 308.622 χ^2 /NDF:27.1/22

+ sign -60.004 $\pm$ 256.120 χ^2 /NDF: 56.1/42

All: -13.953 $\pm$ 180.883 χ^2 /NDF: 98.3/87

- sign 31.873 $\pm$ 255.494 χ^2 /NDF: 42.1/44

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1354.261+/-0.348 χ^2/NDF : 760735.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF : 2602.3/24

Right Out: 1361.461+/-0.322 χ^2/NDF : 154340.4/21

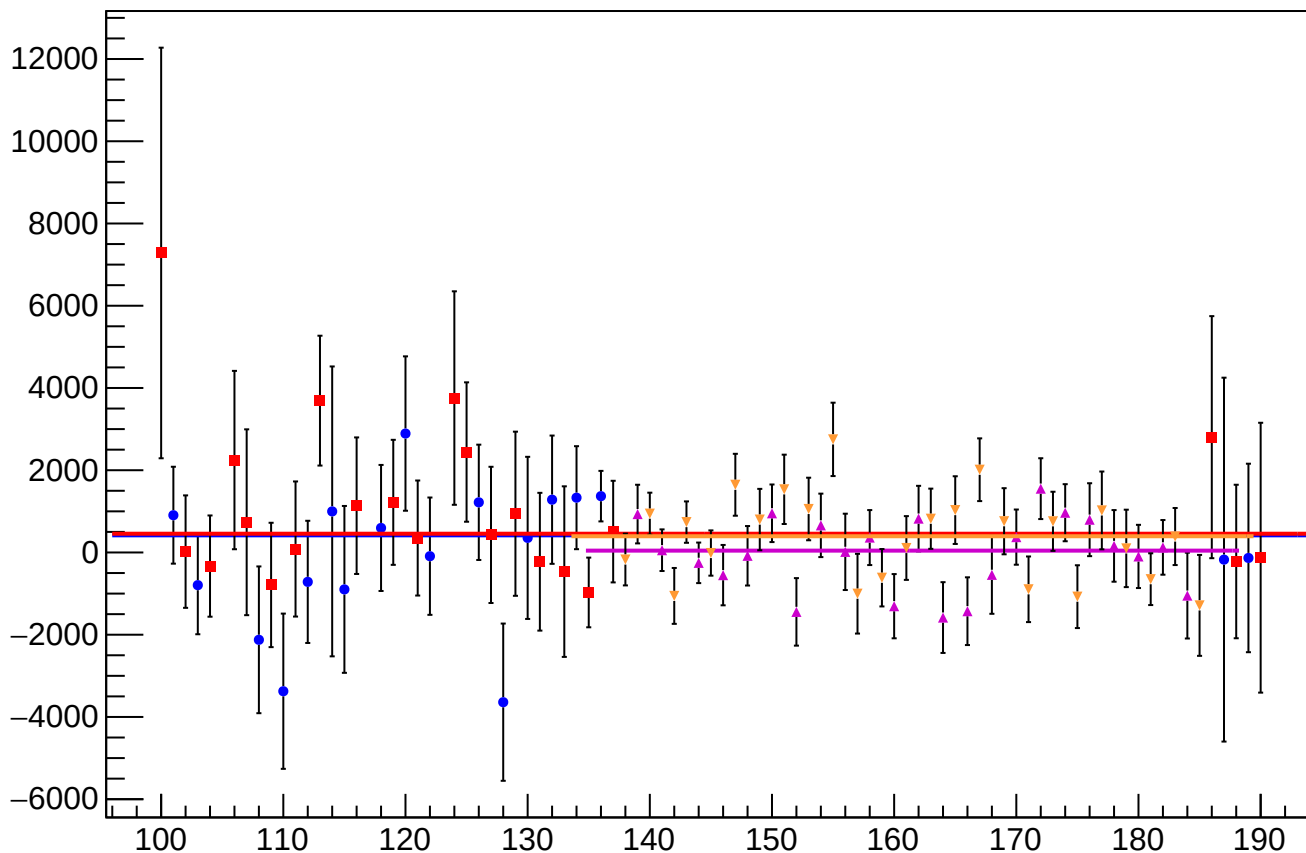
Left In: 1321.783+/-0.218 χ^2/NDF : 3553.3/22

+ sign 1329.830+/-0.181 χ^2/NDF : 770109.1/42

All: 1332.054+/-0.128 χ^2/NDF : 938705.8/87

- sign 1334.268+/-0.181 χ^2/NDF : 168295.8/44

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 416.686 $\pm$ 333.819 χ^2 /NDF: 18.3/17

Left Out: 394.522 $\pm$ 144.562 χ^2 /NDF:41.8/24

Right Out: 455.945 $\pm$ 344.960 χ^2 /NDF: 15.5/21

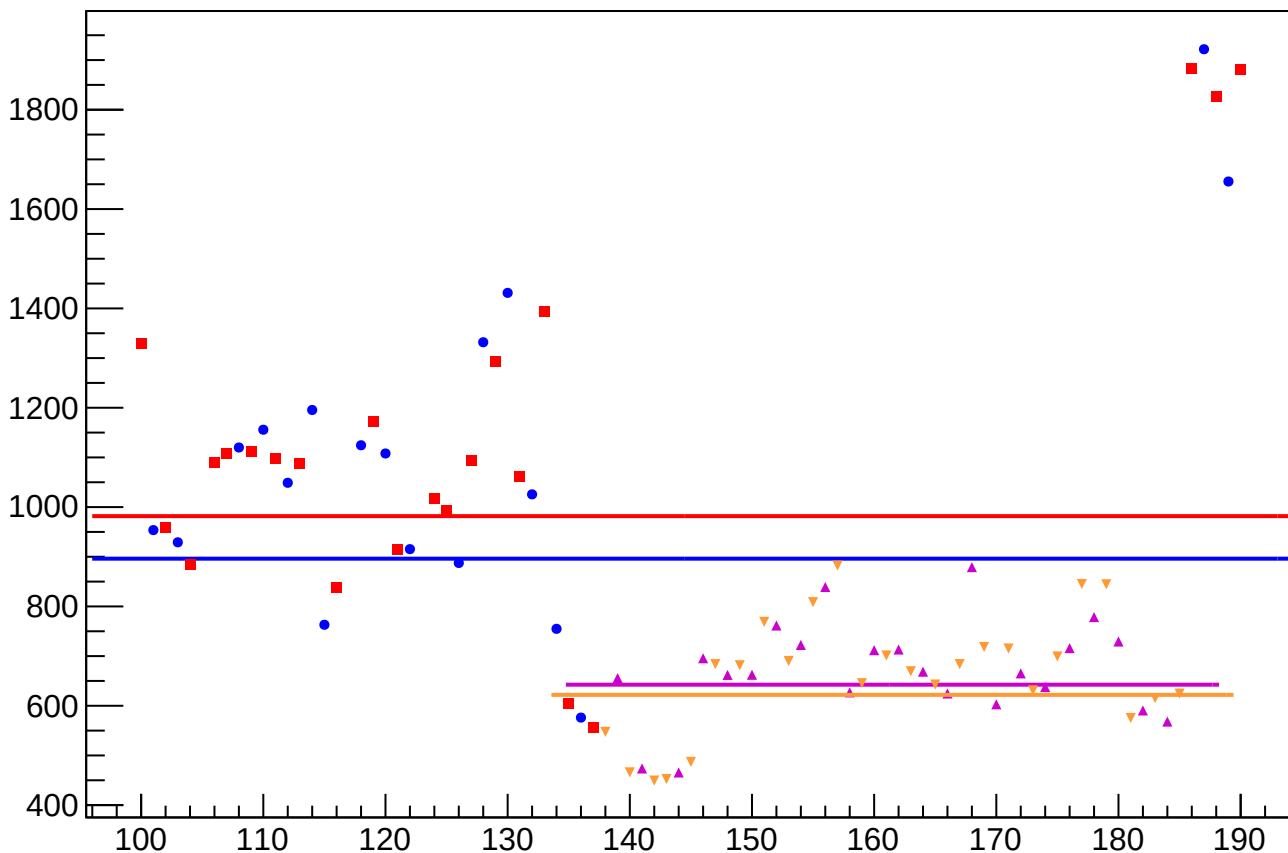
Left In: 44.766 $\pm$ 152.332 χ^2 /NDF:27.6/22

+ sign 398.022 $\pm$ 132.657 χ^2 /NDF: 60.2/42

All: 261.979 $\pm$ 96.081 χ^2 /NDF: 106.7/87

- sign 111.864 $\pm$ 139.349 χ^2 /NDF: 44.3/44

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 896.159 $\pm$ 0.236 χ^2/NDF : 1350290.6/17

Left Out: 621.950 $\pm$ 0.102 χ^2/NDF :1383373.4/24

Right Out: 981.790 $\pm$ 0.244 χ^2/NDF : 1641690.7/21

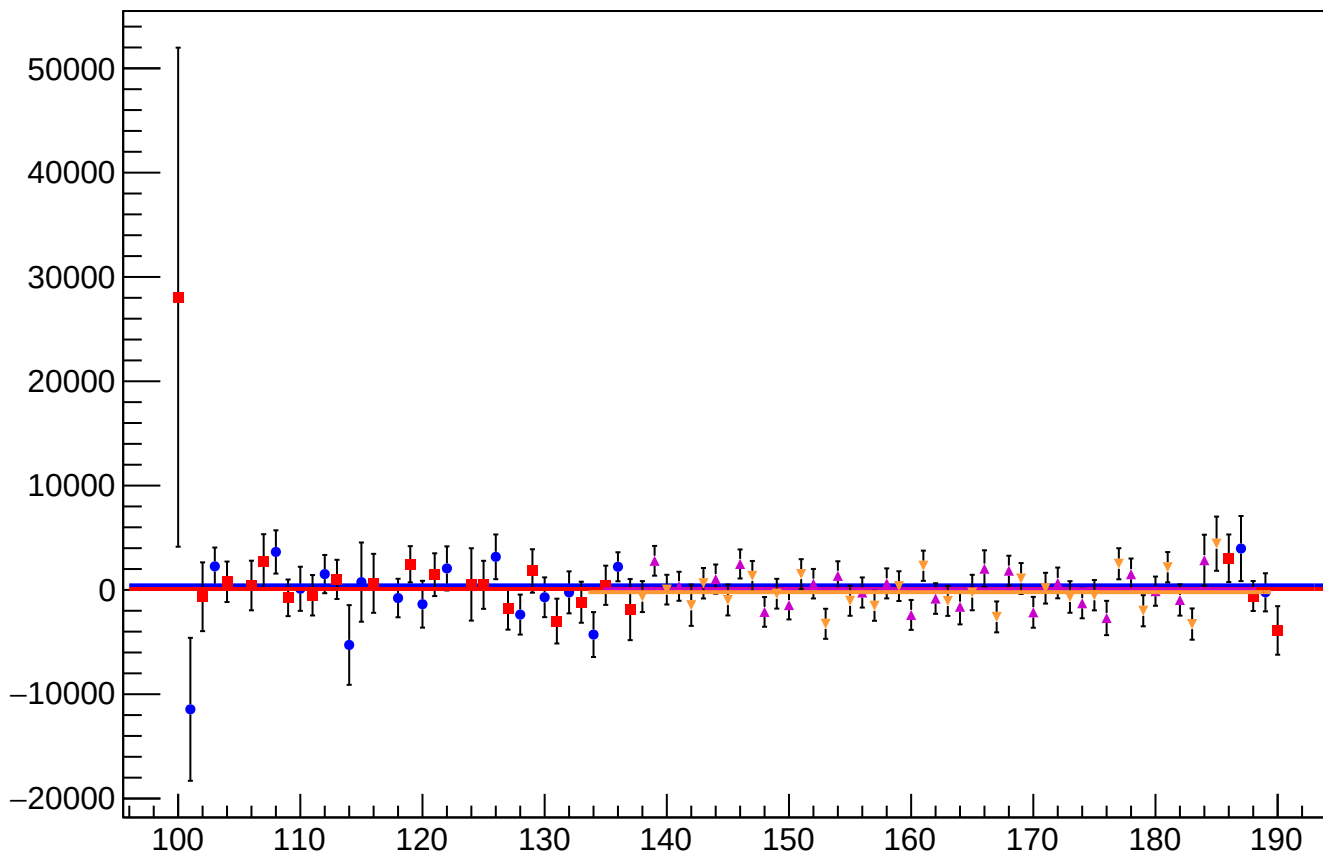
Left In: 642.465 $\pm$ 0.108 χ^2/NDF :926376.1/22

+ sign 665.253 $\pm$ 0.094 χ^2/NDF : 3870039.6/42

All: 680.744 $\pm$ 0.068 χ^2/NDF : 8114874.4/87

- sign 697.837 $\pm$ 0.099 χ^2/NDF : 4187469.1/44

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 434.115+/-494.854 χ^2/NDF : 22.8/17

Left Out: -215.033+/-300.379 χ^2/NDF : 31.3/24

Right Out: 89.986+/-459.490 χ^2/NDF : 14.8/21

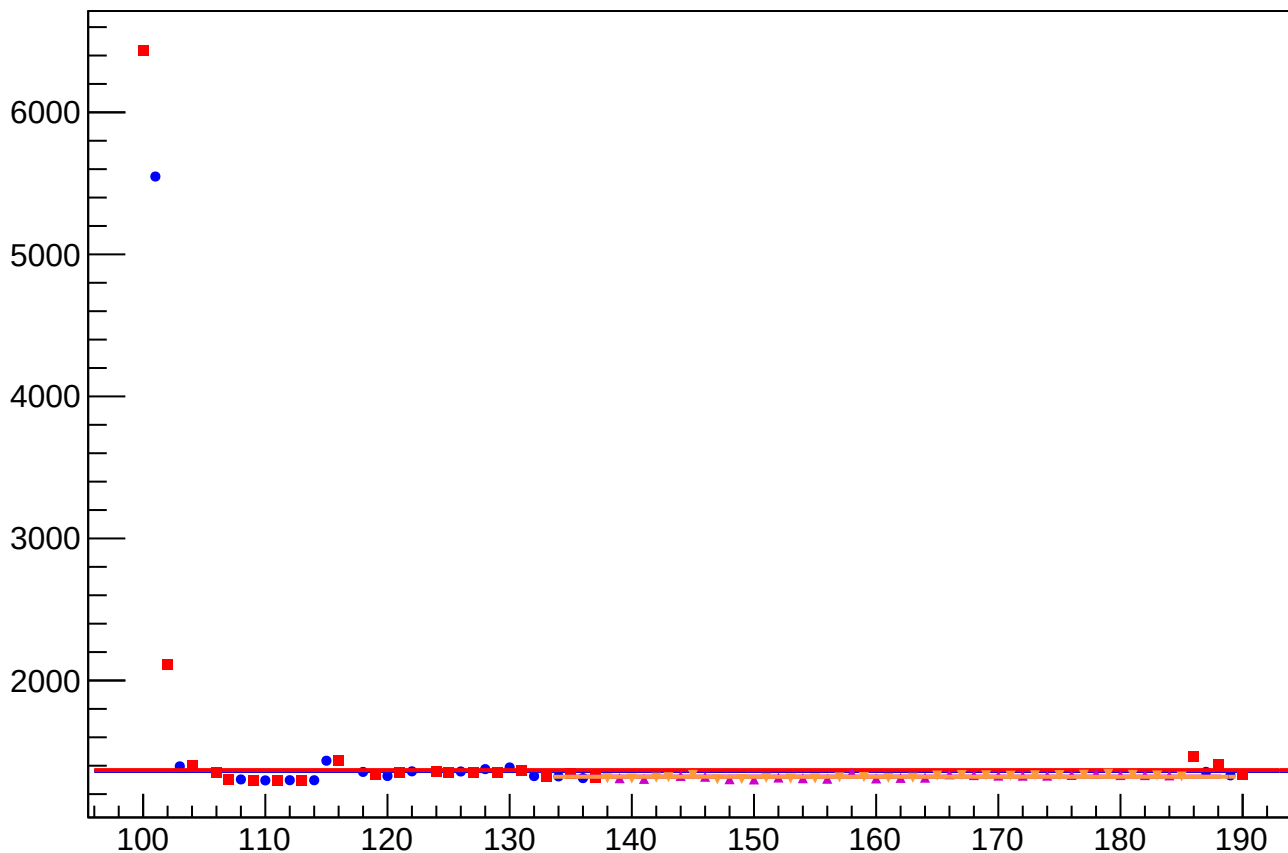
Left In: 50.244+/-308.986 χ^2/NDF : 27.8/22

+ sign -40.251+/-256.776 χ^2/NDF : 55.3/42

All: 11.259+/-181.437 χ^2/NDF : 98.1/87

- sign 62.619+/-256.405 χ^2/NDF : 42.7/44

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1362.638+/-0.350 χ^2/NDF : 759569.8/17

Left Out: 1322.369+/-0.212 χ^2/NDF : 2931.9/24

Right Out: 1369.120+/-0.325 χ^2/NDF : 211427.9/21

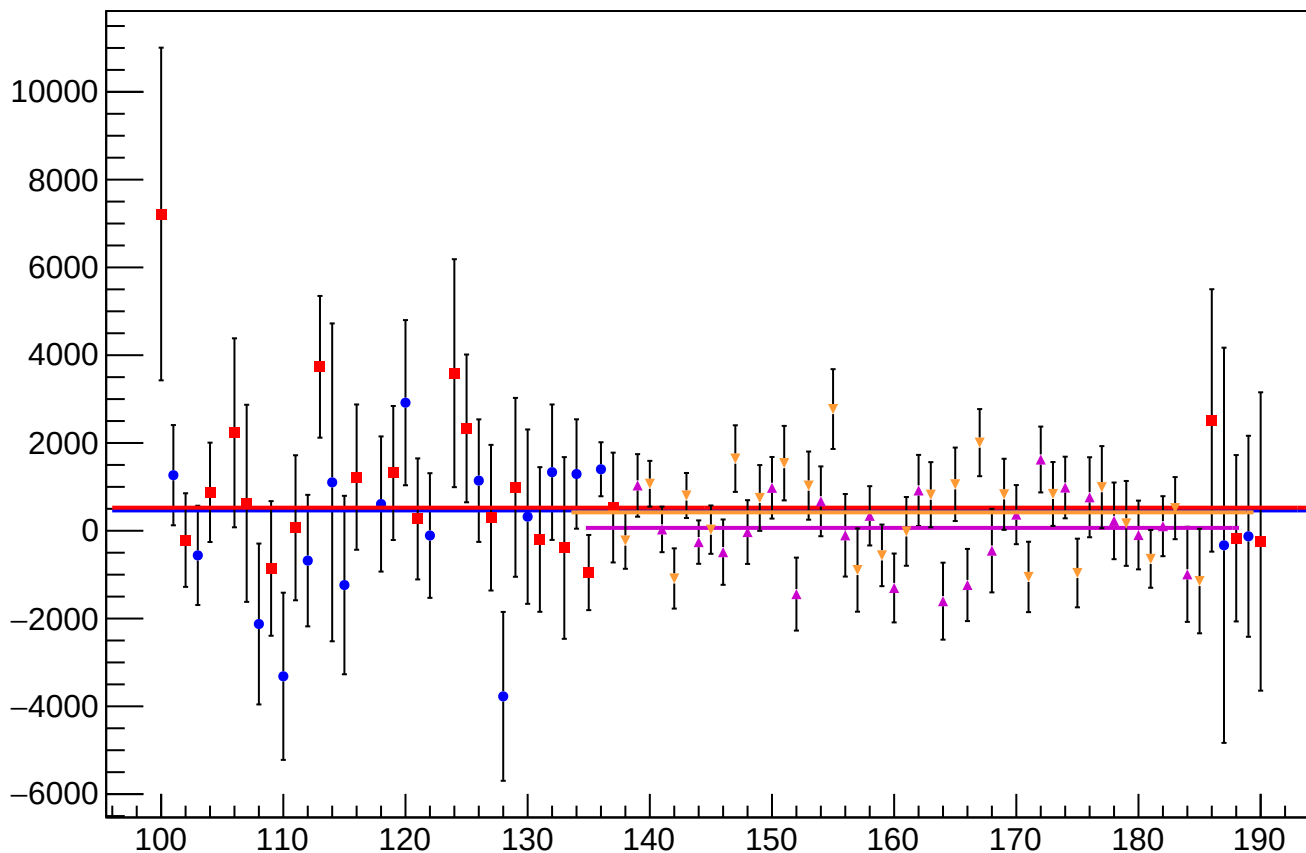
Left In: 1323.337+/-0.218 χ^2/NDF : 3856.3/22

+ sign 1333.211+/-0.182 χ^2/NDF : 772179.6/42

All: 1335.405+/-0.128 χ^2/NDF : 1001428.0/87

- sign 1337.593+/-0.181 χ^2/NDF : 228956.8/44

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 463.244 $\pm$ 332.038 χ^2 /NDF: 18.7/17

Left Out: 419.899 $\pm$ 146.436 χ^2 /NDF: 41.5/24

Right Out: 525.967 $\pm$ 336.624 χ^2 /NDF: 16.3/21

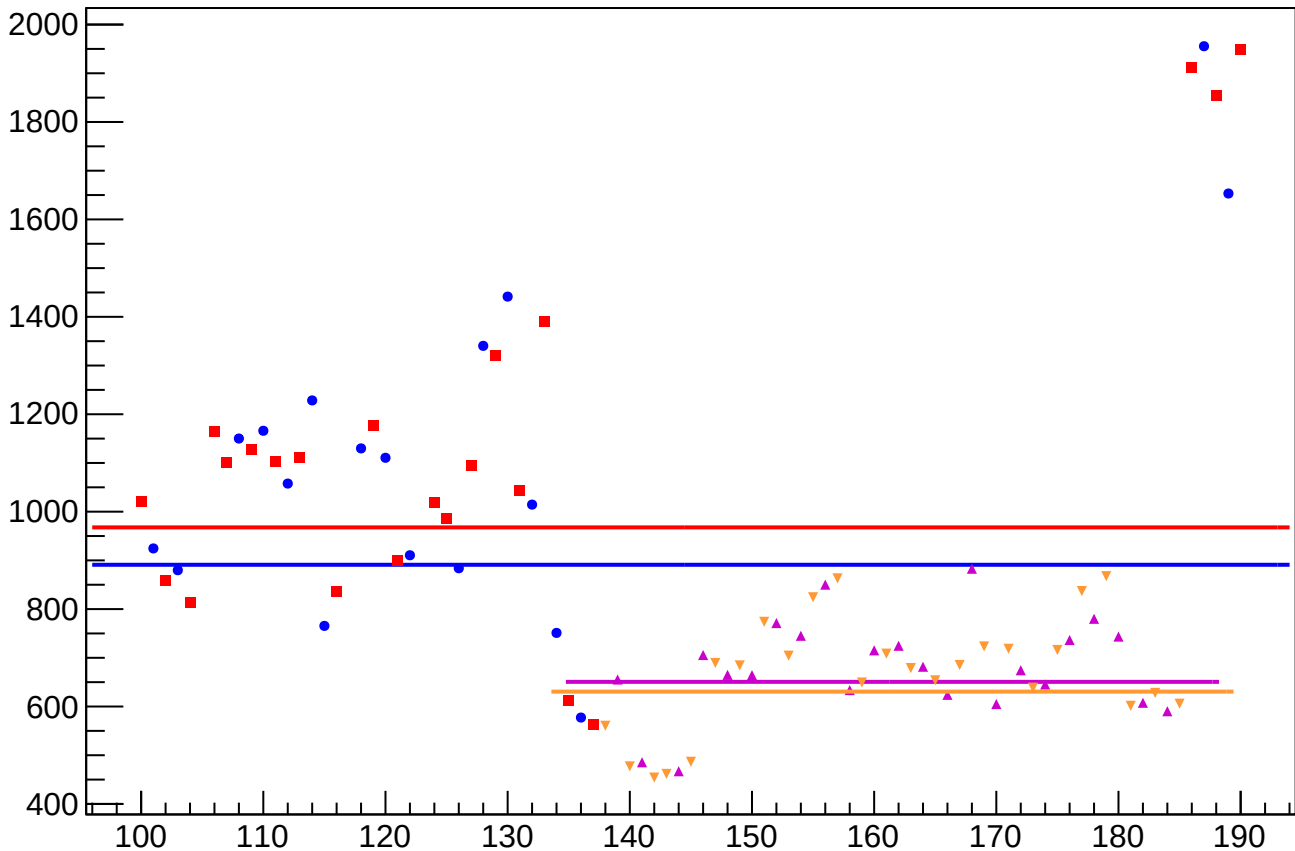
Left In: 65.405 $\pm$ 154.224 χ^2 /NDF: 27.0/22

+ sign 426.957 $\pm$ 133.984 χ^2 /NDF: 60.3/42

All: 292.523 $\pm$ 96.867 χ^2 /NDF: 107.2/87

- sign 145.307 $\pm$ 140.210 χ^2 /NDF: 44.8/44

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 890.981 ± 0.235 $\chi^2/\text{NDF}: 1363615.6/17$

Left Out: 630.592 ± 0.104 $\chi^2/\text{NDF}: 1328590.6/24$

Right Out: 967.749 ± 0.238 $\chi^2/\text{NDF}: 1708355.8/21$

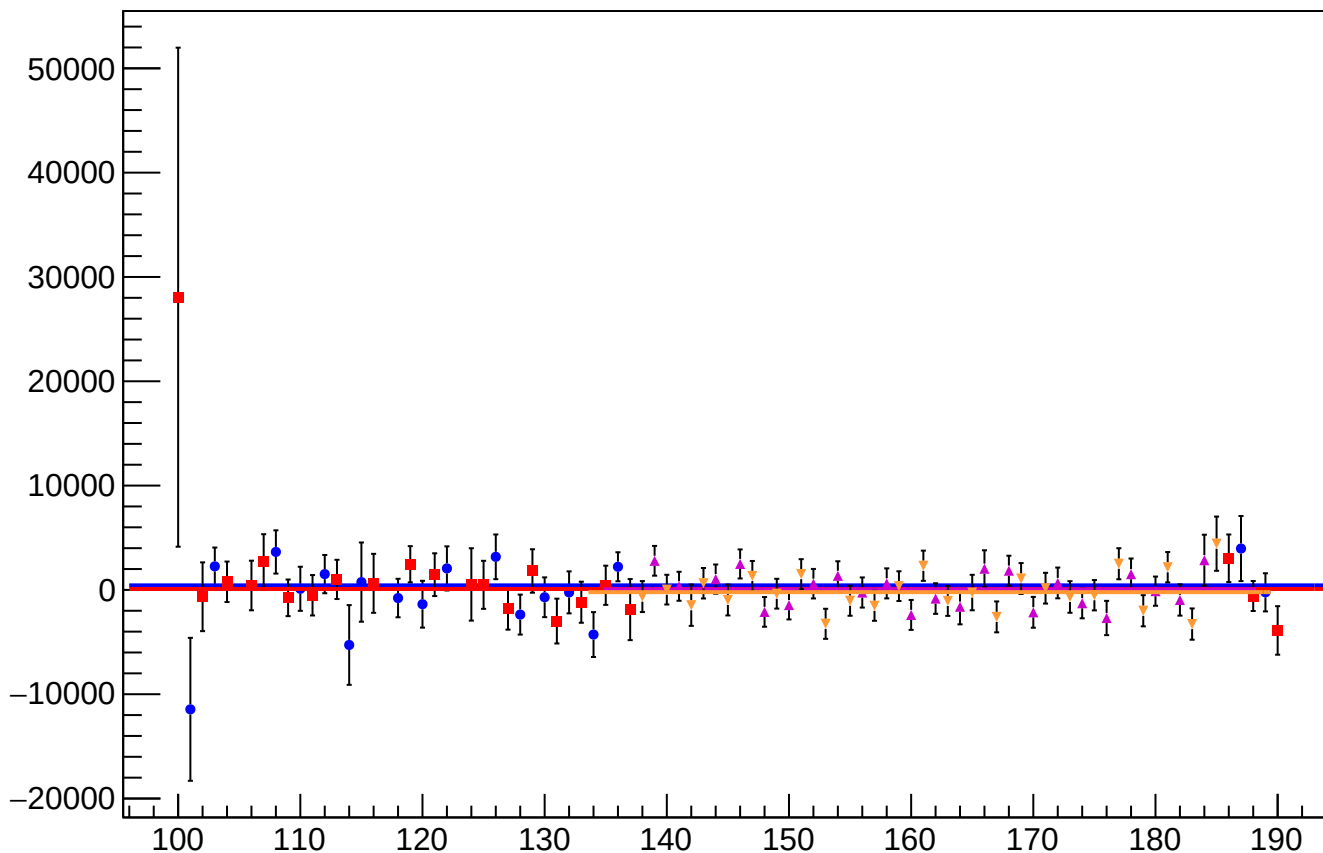
Left In: 650.637 ± 0.109 $\chi^2/\text{NDF}: 922078.1/22$

+ sign 672.991 ± 0.095 $\chi^2/\text{NDF}: 3721915.7/42$

All: 688.580 ± 0.068 $\chi^2/\text{NDF}: 7876022.6/87$

- sign 705.651 ± 0.099 $\chi^2/\text{NDF}: 4097383.0/44$

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 434.115 $\pm$ 494.854 χ^2 /NDF: 22.8/17

Left Out: -215.035 $\pm$ 300.379 χ^2 /NDF:31.3/24

Right Out: 89.985 $\pm$ 459.490 χ^2 /NDF: 14.8/21

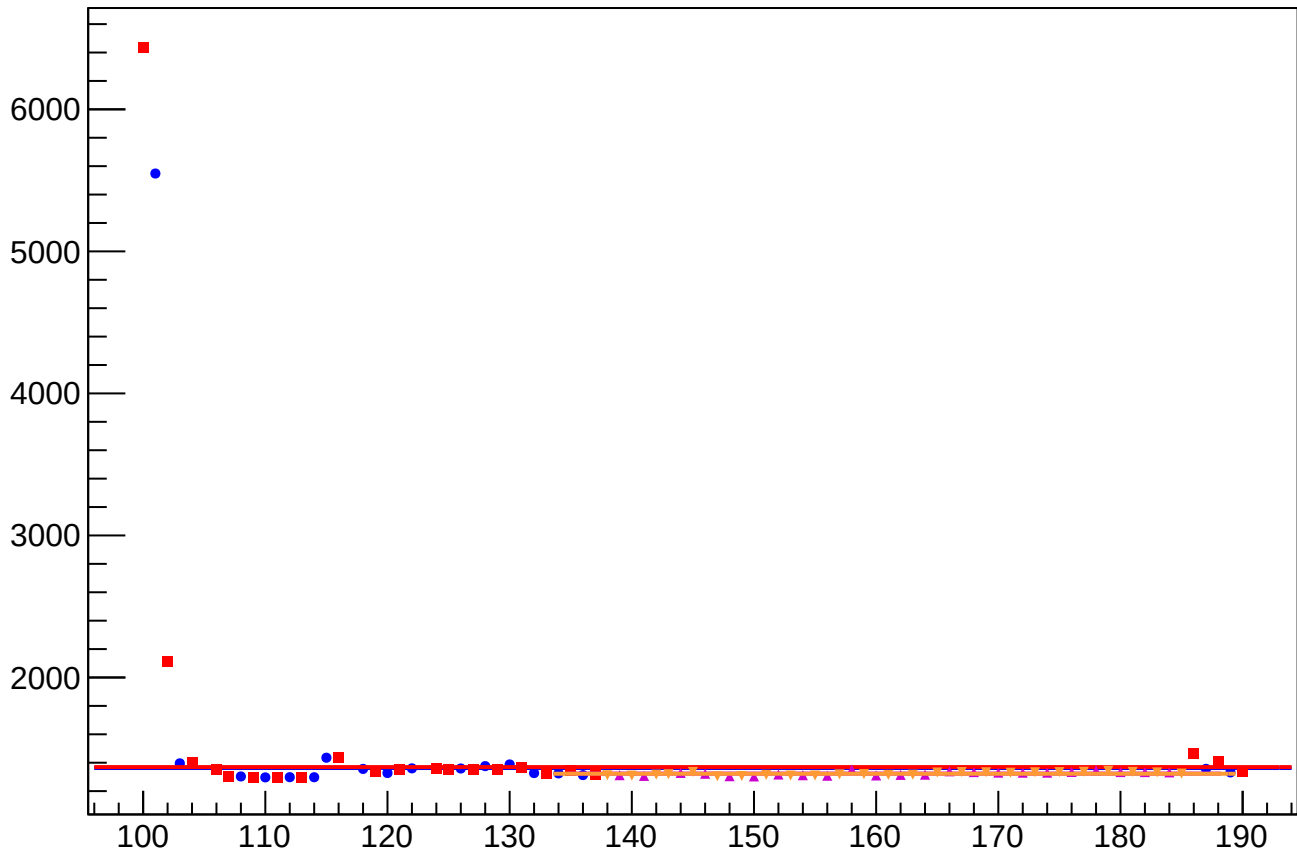
Left In: 50.244 $\pm$ 308.986 χ^2 /NDF:27.8/22

+ sign -40.251 $\pm$ 256.776 χ^2 /NDF: 55.3/42

All: 11.258 $\pm$ 181.437 χ^2 /NDF: 98.1/87

- sign 62.619 $\pm$ 256.405 χ^2 /NDF: 42.7/44

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1362.637 $\pm$ 0.350 χ^2 /NDF: 759569.8/17

Left Out: 1322.369 $\pm$ 0.212 χ^2 /NDF: 2931.9/24

Right Out: 1369.120 $\pm$ 0.325 χ^2 /NDF: 211427.9/21

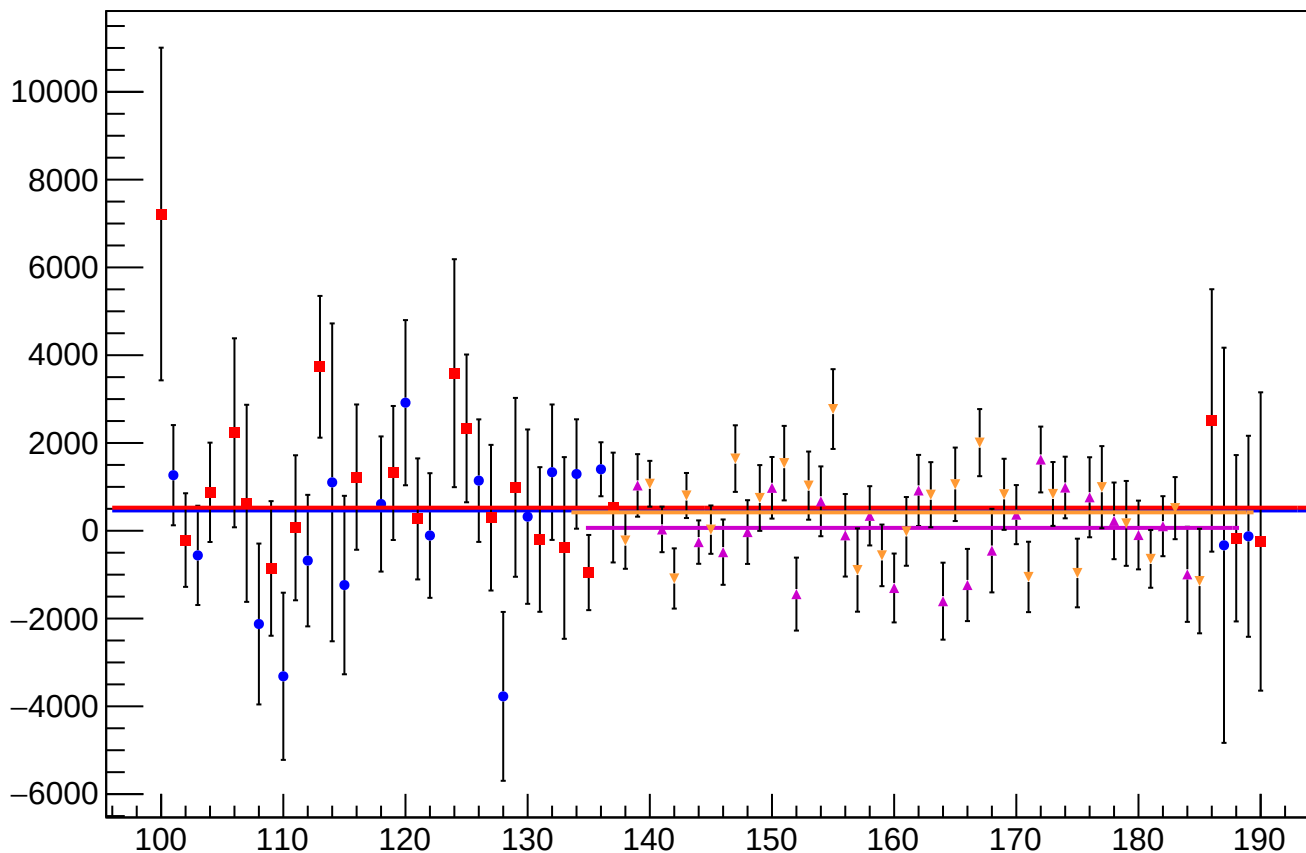
Left In: 1323.337 $\pm$ 0.218 χ^2 /NDF: 3856.3/22

+ sign 1333.211 $\pm$ 0.182 χ^2 /NDF: 772179.6/42

All: 1335.405 $\pm$ 0.128 χ^2 /NDF: 1001427.9/87

- sign 1337.593 $\pm$ 0.181 χ^2 /NDF: 228956.7/44

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 463.242 ± 332.037 χ^2/NDF : 18.7/17

Left Out: 419.899 ± 146.436 χ^2/NDF : 41.5/24

Right Out: 525.966 ± 336.623 χ^2/NDF : 16.3/21

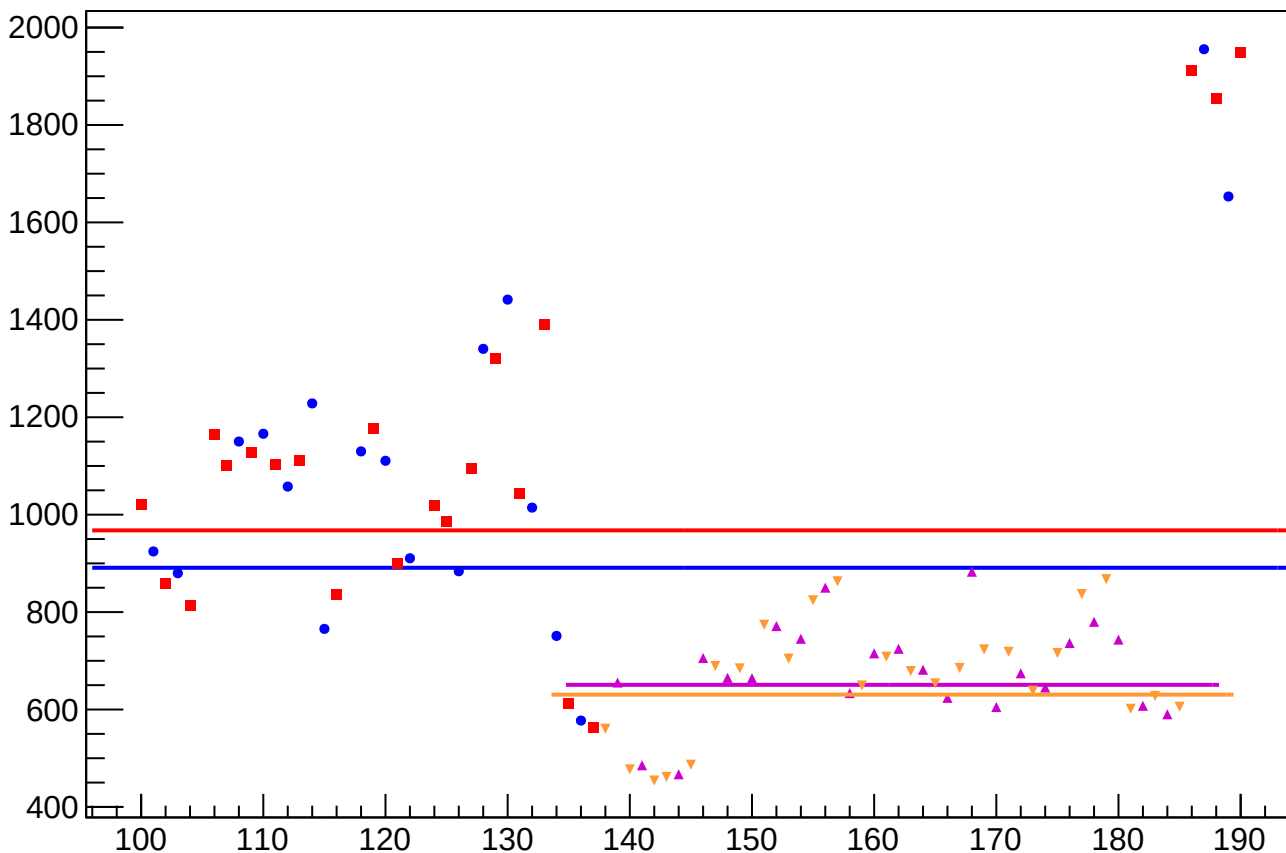
Left In: 65.405 ± 154.225 χ^2/NDF : 27.0/22

+ sign 426.957 ± 133.984 χ^2/NDF : 60.3/42

All: 292.523 ± 96.867 χ^2/NDF : 107.2/87

- sign 145.307 ± 140.210 χ^2/NDF : 44.8/44

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 890.978 ± 0.235 $\chi^2/\text{NDF}: 1363615.4/17$

Left Out: 630.592 ± 0.104 $\chi^2/\text{NDF}: 1328610.2/24$

Right Out: 967.747 ± 0.238 $\chi^2/\text{NDF}: 1708356.0/21$

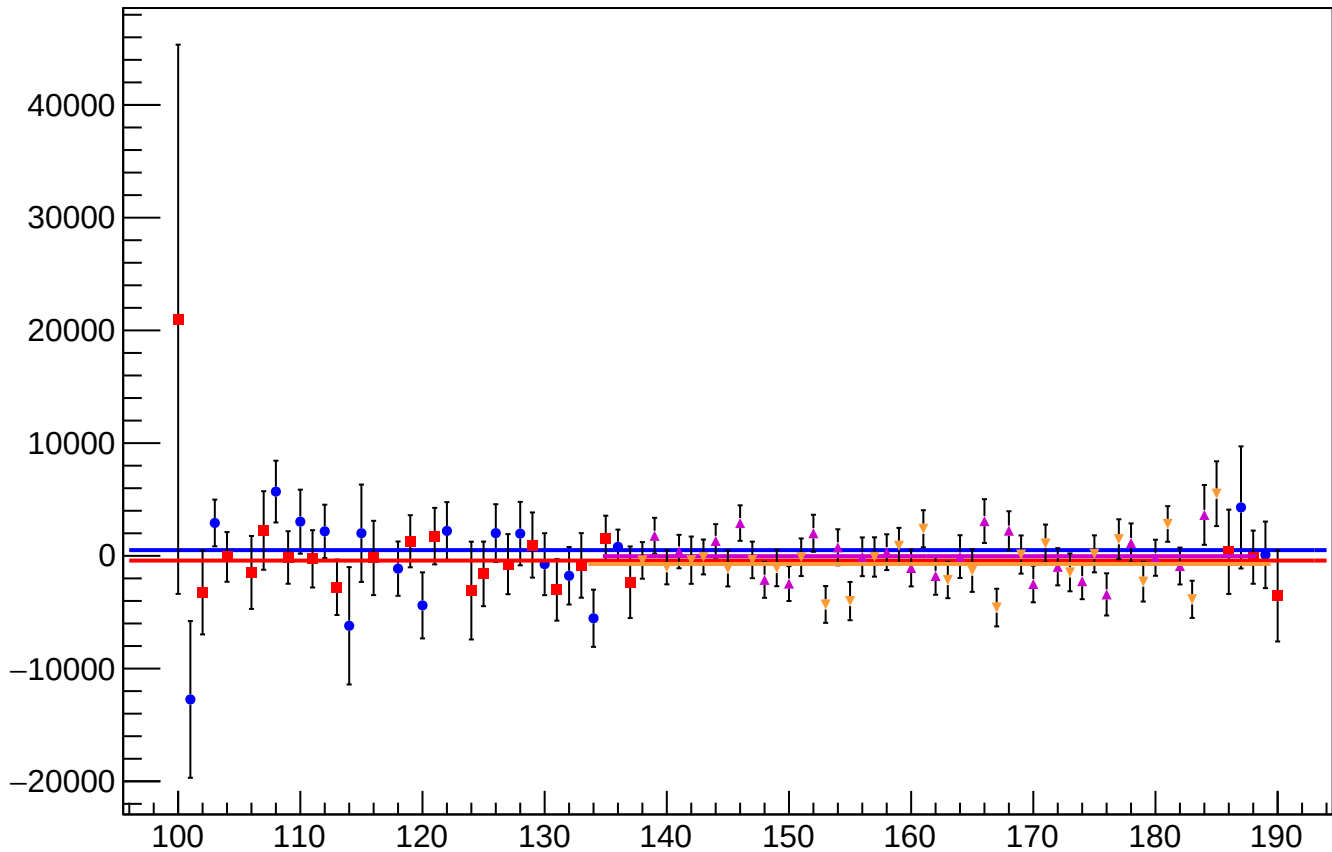
Left In: 650.638 ± 0.109 $\chi^2/\text{NDF}: 922087.6/22$

+ sign 672.991 ± 0.095 $\chi^2/\text{NDF}: 3721915.6/42$

All: 688.581 ± 0.068 $\chi^2/\text{NDF}: 7876010.3/87$

- sign 705.652 ± 0.099 $\chi^2/\text{NDF}: 4097368.8/44$

asym_usr_atr1_dd_mean vs Slug



Right In: 507.708 ± 629.804 χ^2/NDF : 23.2/17

Left Out: -718.291 ± 337.578 χ^2/NDF : 37.7/24

Right Out: -418.866 ± 604.263 χ^2/NDF : 7.9/21

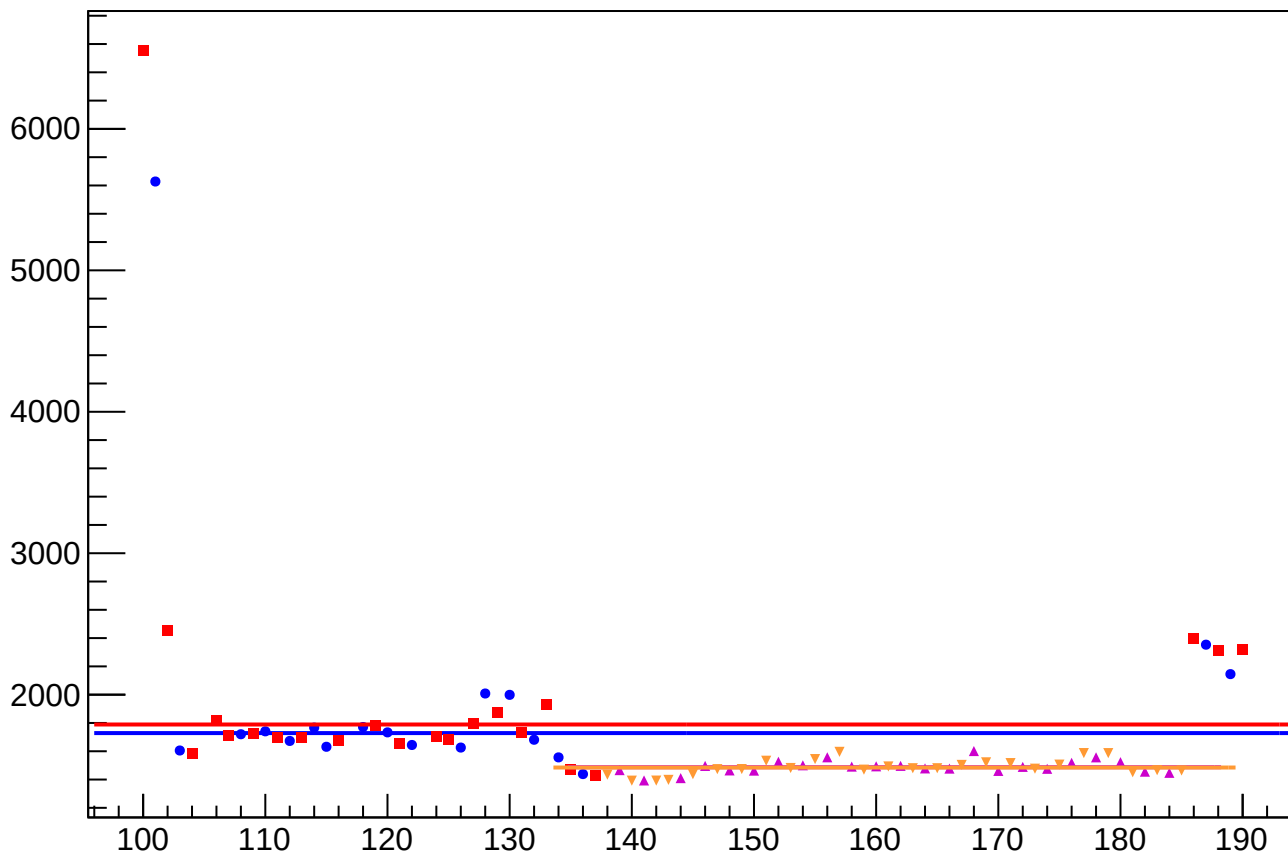
Left In: -27.514 ± 347.415 χ^2/NDF : 28.0/22

+ sign -444.672 ± 297.532 χ^2/NDF : 63.9/42

All: -286.657 ± 211.666 χ^2/NDF : 100.7/87

- sign -124.739 ± 301.184 χ^2/NDF : 36.2/44

asym_usr_atr1_dd_rms vs Slug



Right In: 1728.452 $\pm$ 0.445 χ^2 /NDF: 832595.9/17

Left Out: 1484.960 $\pm$ 0.239 χ^2 /NDF: 50905.1/24

Right Out: 1789.151 $\pm$ 0.427 χ^2 /NDF: 443286.5/21

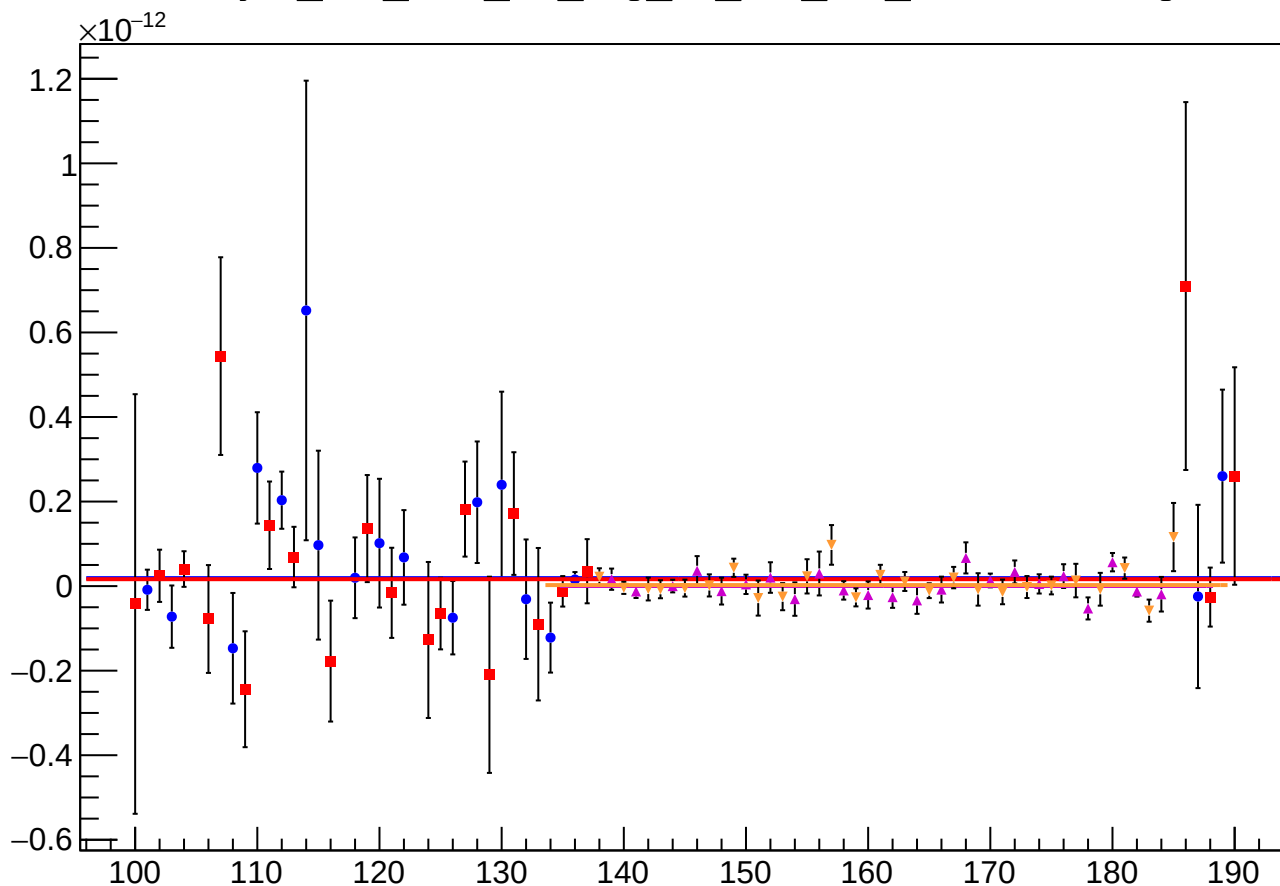
Left In: 1487.112 $\pm$ 0.246 χ^2 /NDF: 34817.2/22

+ sign 1539.303 $\pm$ 0.210 χ^2 /NDF: 1115725.1/42

All: 1550.587 $\pm$ 0.150 χ^2 /NDF: 1975204.3/87

- sign 1562.149 $\pm$ 0.213 χ^2 /NDF: 853655.1/44

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 25.0/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.1/21

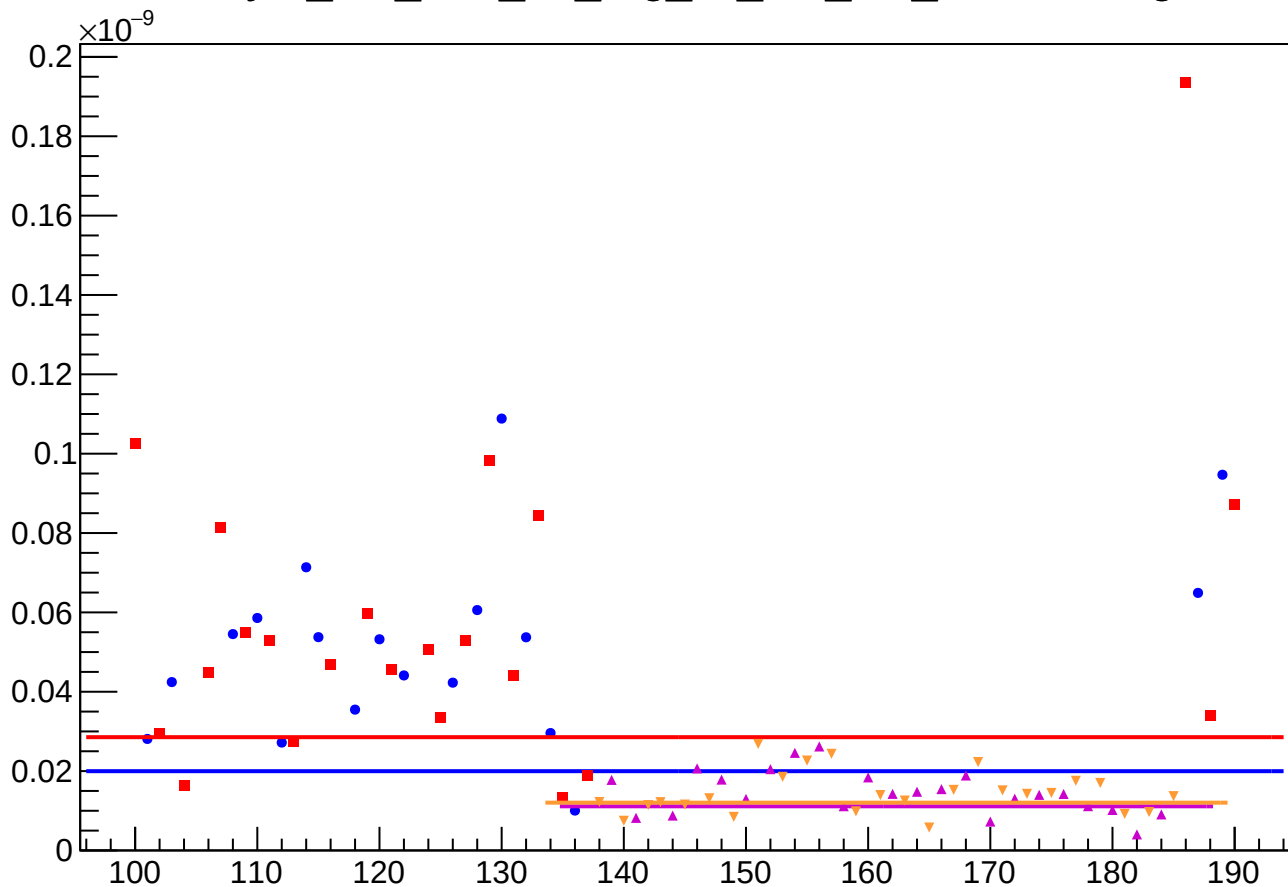
Left In: 0.000 ± 0.000 χ^2/NDF : 24.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 51.6/42

All: 0.000 ± 0.000 χ^2/NDF : 102.6/87

- sign 0.000 ± 0.000 χ^2/NDF : 50.8/44

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2630155.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2059689.8/21

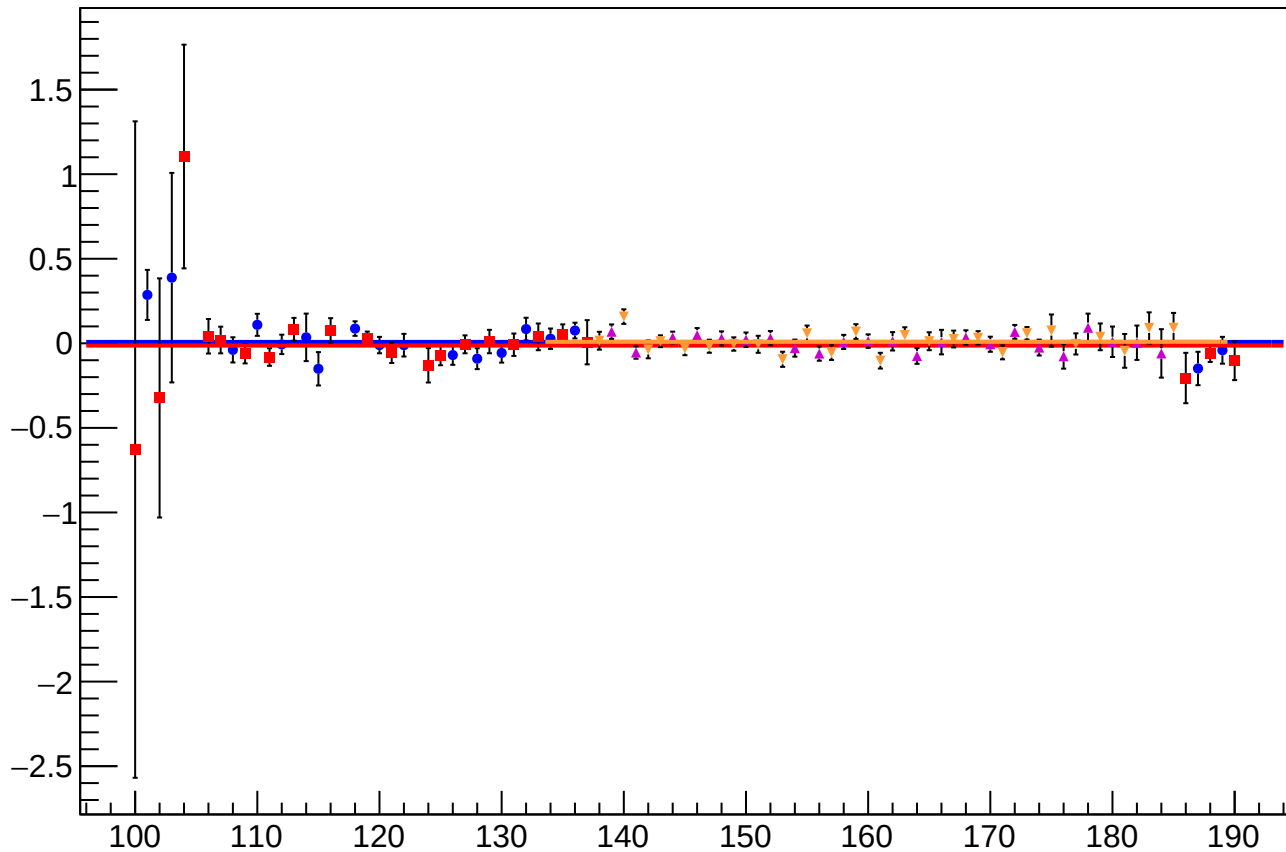
Left In: 0.000+/-0.000 χ^2/NDF : 2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 4699436.8/42

All: 0.000+/-0.000 χ^2/NDF : 10670117.9/87

- sign 0.000+/-0.000 χ^2/NDF : 5952229.9/44

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 ± 0.015 χ^2/NDF : 25.1/17

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.014 ± 0.015 χ^2/NDF : 18.2/21

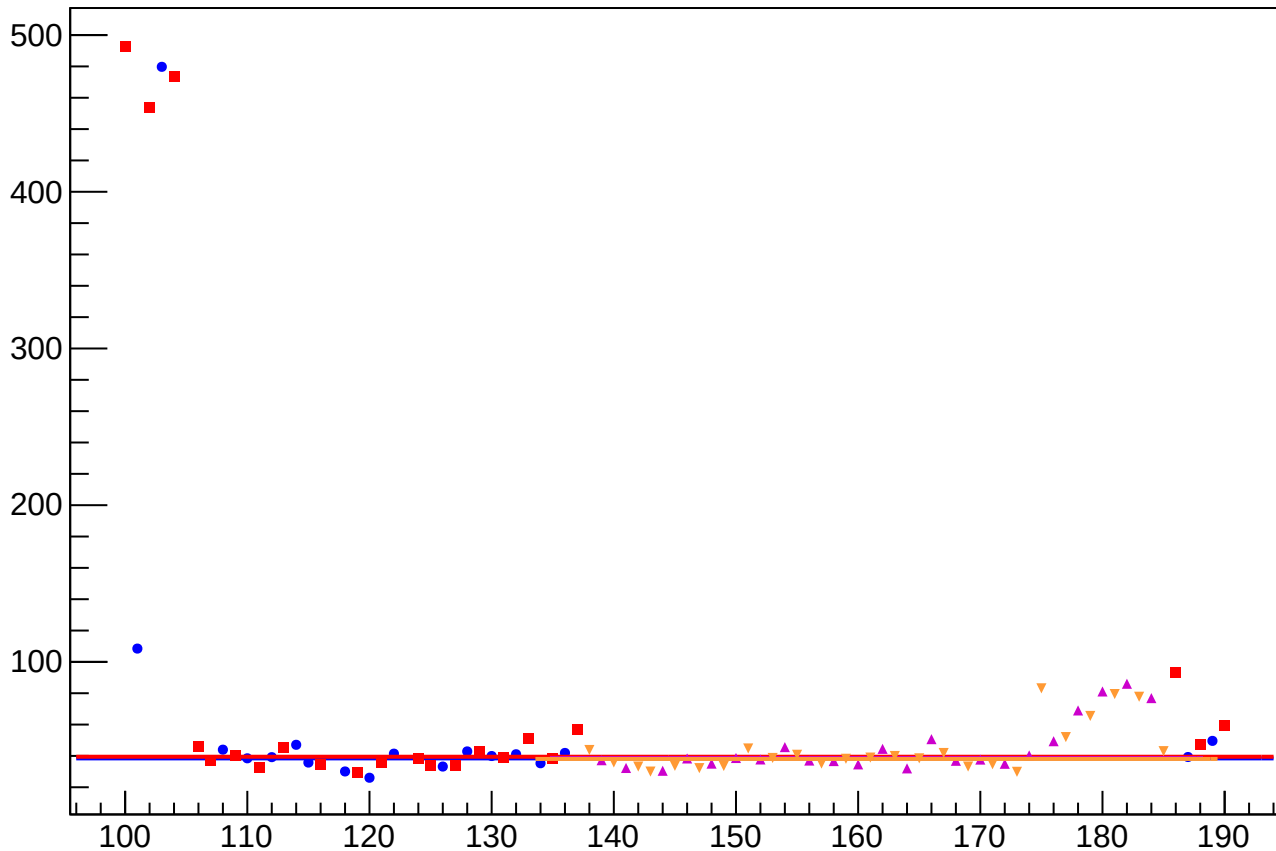
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.009 ± 0.008 χ^2/NDF : 63.7/42

All: 0.005 ± 0.006 χ^2/NDF : 102.6/87

- sign 0.001 ± 0.008 χ^2/NDF : 38.5/44

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 38.417 $\pm$ 0.011 χ^2 /NDF: 1781353.5/17

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967115.3/24

Right Out: 39.476 $\pm$ 0.011 χ^2 /NDF: 2338226.3/21

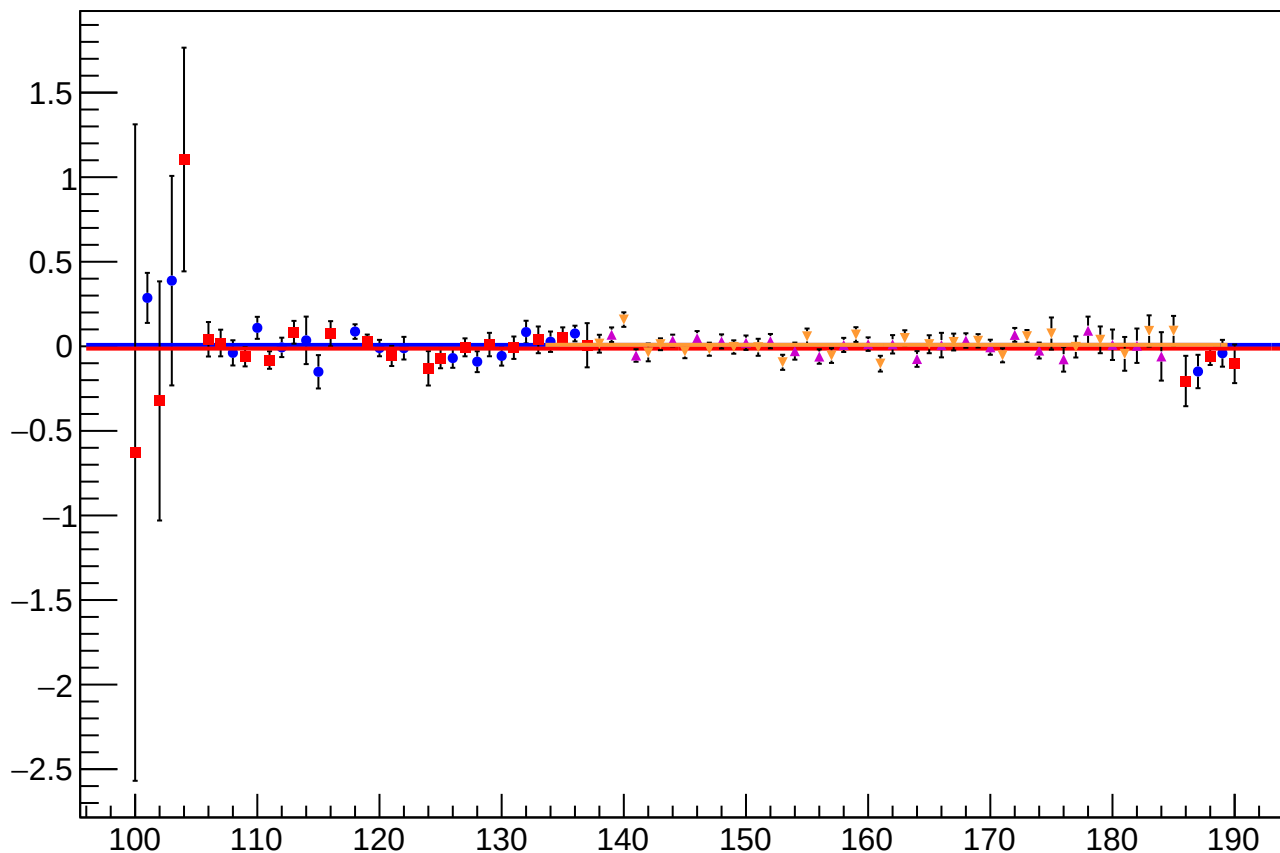
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727664.7/22

+ sign 38.164 $\pm$ 0.006 χ^2 /NDF: 3749209.6/42

All: 38.518 $\pm$ 0.004 χ^2 /NDF: 7827196.1/87

- sign 38.885 $\pm$ 0.006 χ^2 /NDF: 4070282.7/44

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 ± 0.015 χ^2/NDF : 25.1/17

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.014 ± 0.015 χ^2/NDF : 18.2/21

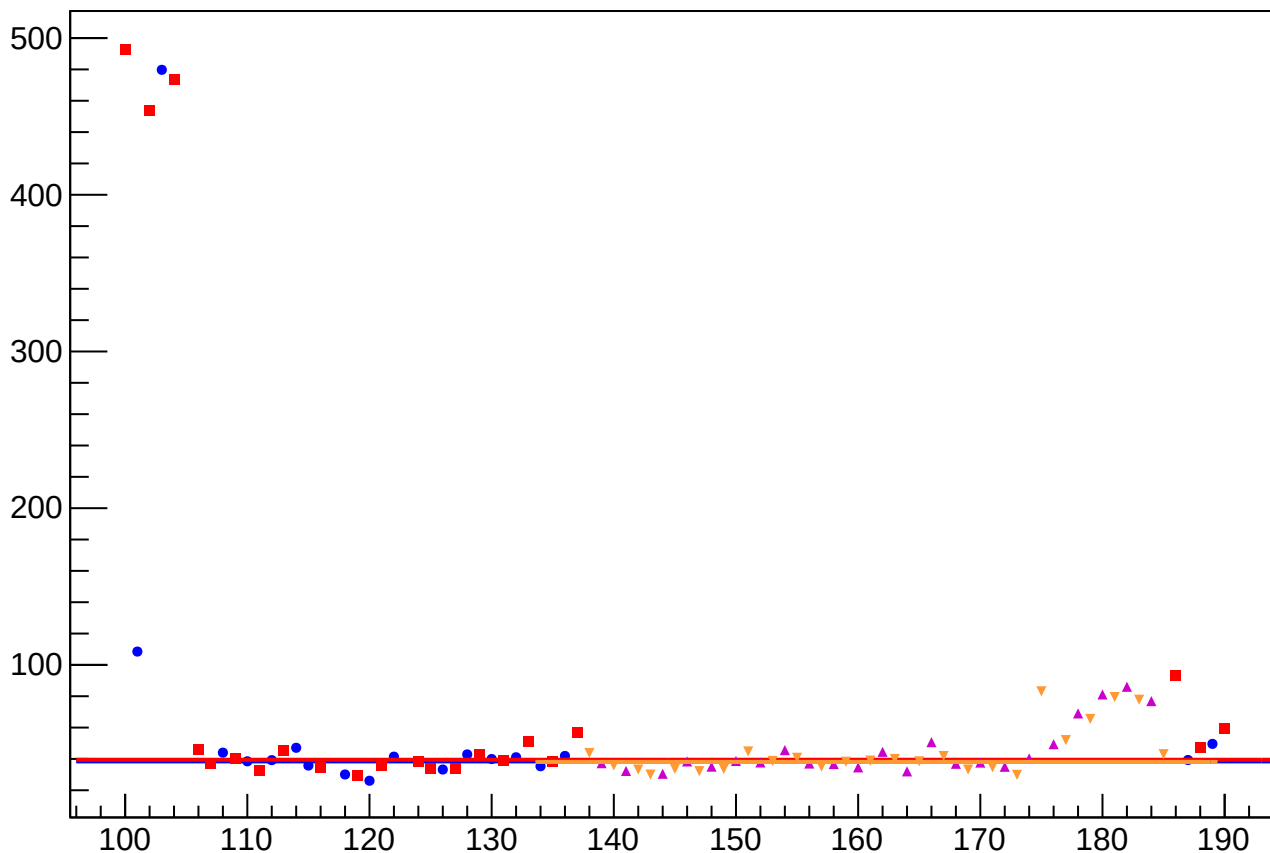
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.009 ± 0.008 χ^2/NDF : 63.7/42

All: 0.005 ± 0.006 χ^2/NDF : 102.6/87

- sign 0.001 ± 0.008 χ^2/NDF : 38.5/44

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.417 $\pm$ 0.011 χ^2 /NDF: 1781353.5/17

Left Out: 38.067 $\pm$ 0.007 χ^2 /NDF: 1967115.3/24

Right Out: 39.476 $\pm$ 0.011 χ^2 /NDF: 2338226.3/21

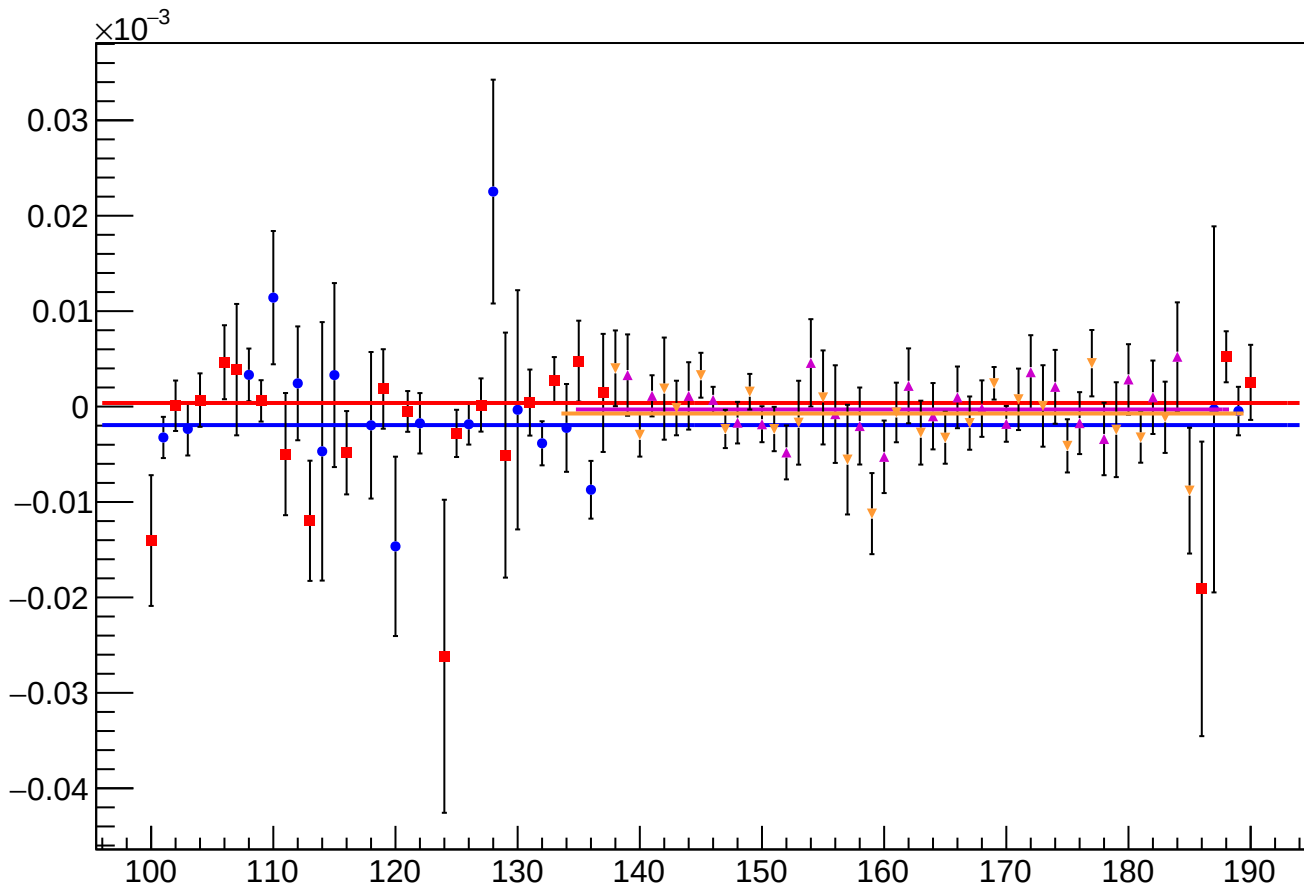
Left In: 38.630 $\pm$ 0.007 χ^2 /NDF: 1727664.7/22

+ sign 38.164 $\pm$ 0.006 χ^2 /NDF: 3749209.6/42

All: 38.518 $\pm$ 0.004 χ^2 /NDF: 7827196.1/87

- sign 38.885 $\pm$ 0.006 χ^2 /NDF: 4070282.7/44

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 20.8/17

Left Out: -0.000+/-0.000 χ^2/NDF : 26.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23.9/21

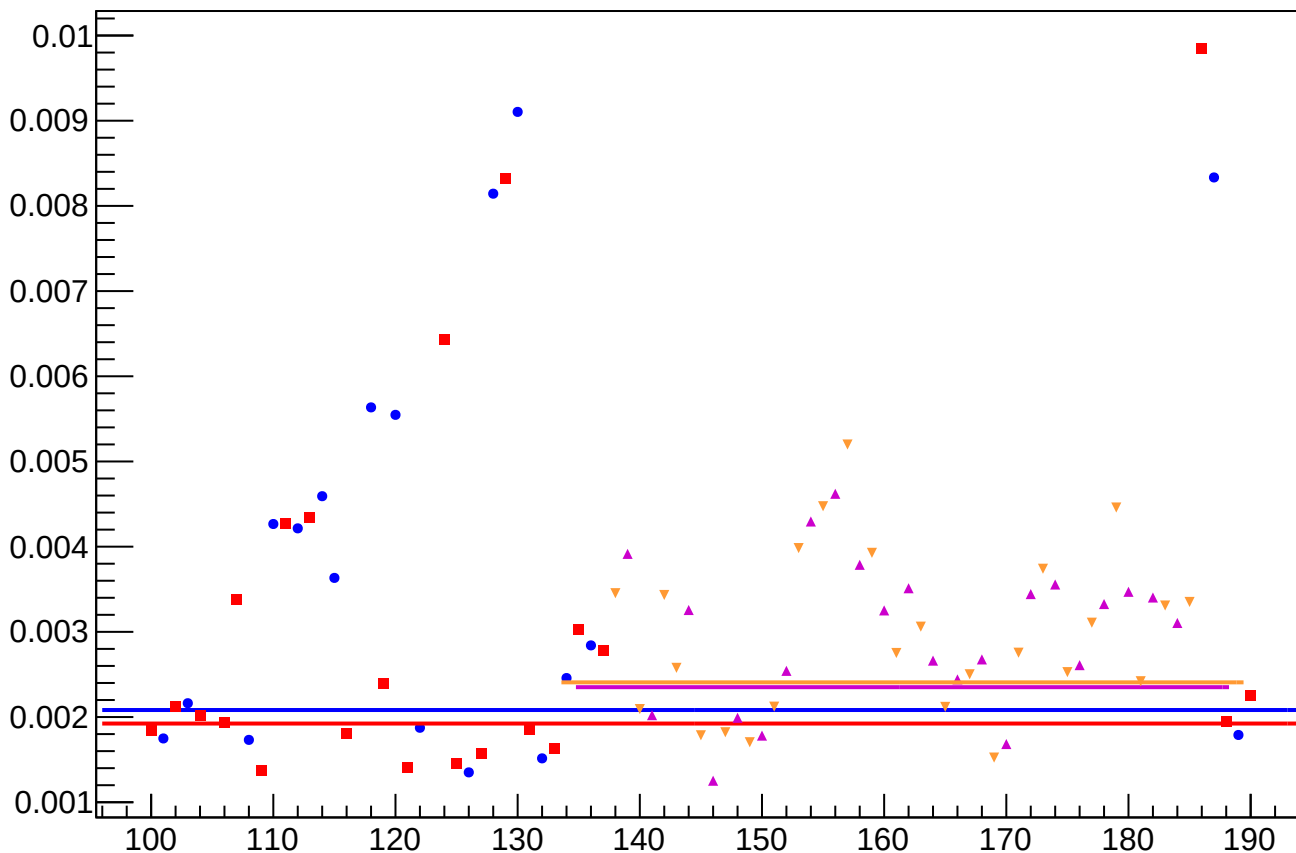
Left In: -0.000+/-0.000 χ^2/NDF : 13.8/22

+ sign -0.000+/-0.000 χ^2/NDF : 48.7/42

All: -0.000+/-0.000 χ^2/NDF : 89.5/87

- sign -0.000+/-0.000 χ^2/NDF : 38.2/44

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 ± 0.000 χ^2/NDF : 3257876.7/17

Left Out: 0.002 ± 0.000 χ^2/NDF : 3682960.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 2437739.4/21

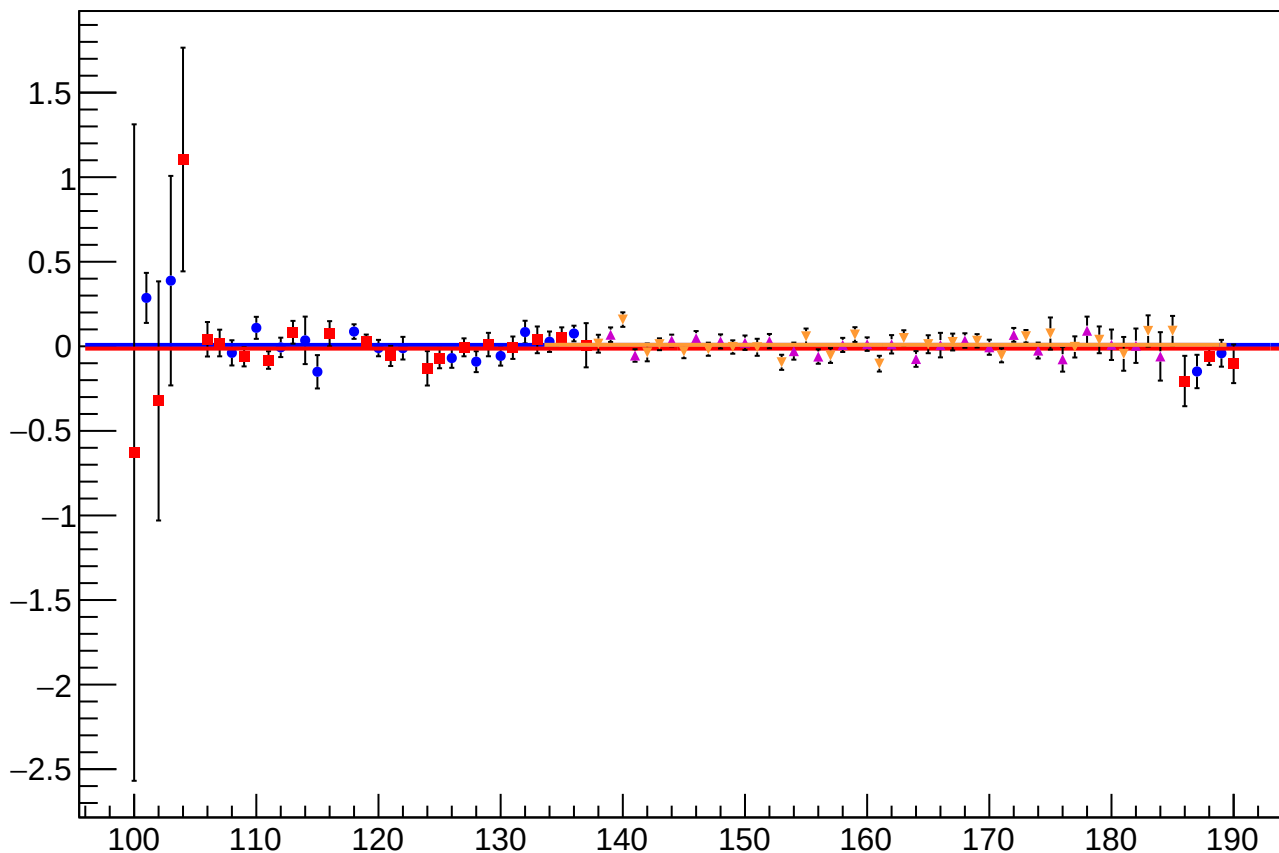
Left In: 0.002 ± 0.000 χ^2/NDF : 4438139.5/22

+ sign 0.002 ± 0.000 χ^2/NDF : 7141025.0/42

All: 0.002 ± 0.000 χ^2/NDF : 14482683.4/87

- sign 0.002 ± 0.000 χ^2/NDF : 7278723.8/44

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008 ± 0.015 χ^2/NDF : 25.1/17

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.014 ± 0.015 χ^2/NDF : 18.2/21

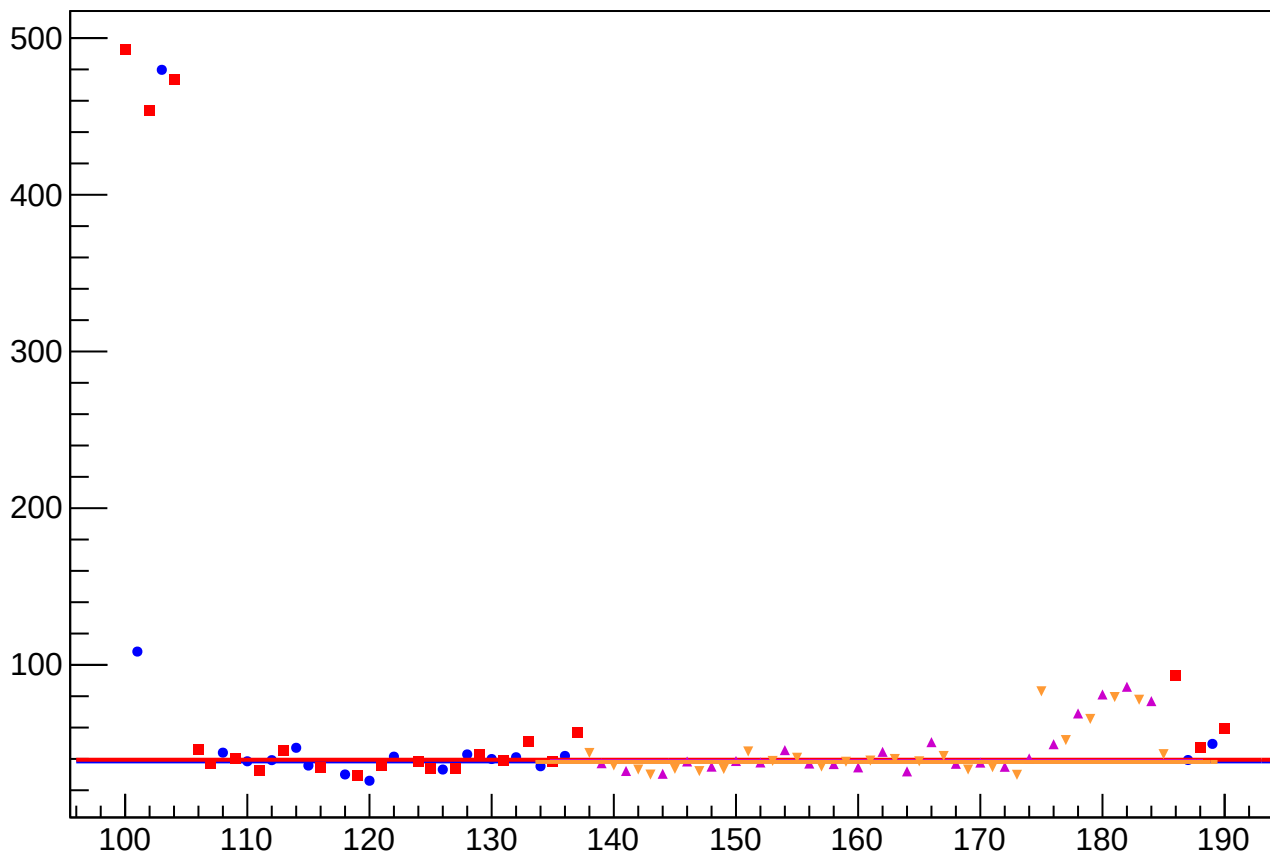
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.009 ± 0.008 χ^2/NDF : 63.7/42

All: 0.005 ± 0.006 χ^2/NDF : 102.6/87

- sign 0.001 ± 0.008 χ^2/NDF : 38.5/44

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 38.416 ± 0.011 $\chi^2/\text{NDF}: 1781368.0/17$

Left Out: 38.067 ± 0.007 $\chi^2/\text{NDF}: 1967110.9/24$

Right Out: 39.475 ± 0.011 $\chi^2/\text{NDF}: 2338320.5/21$

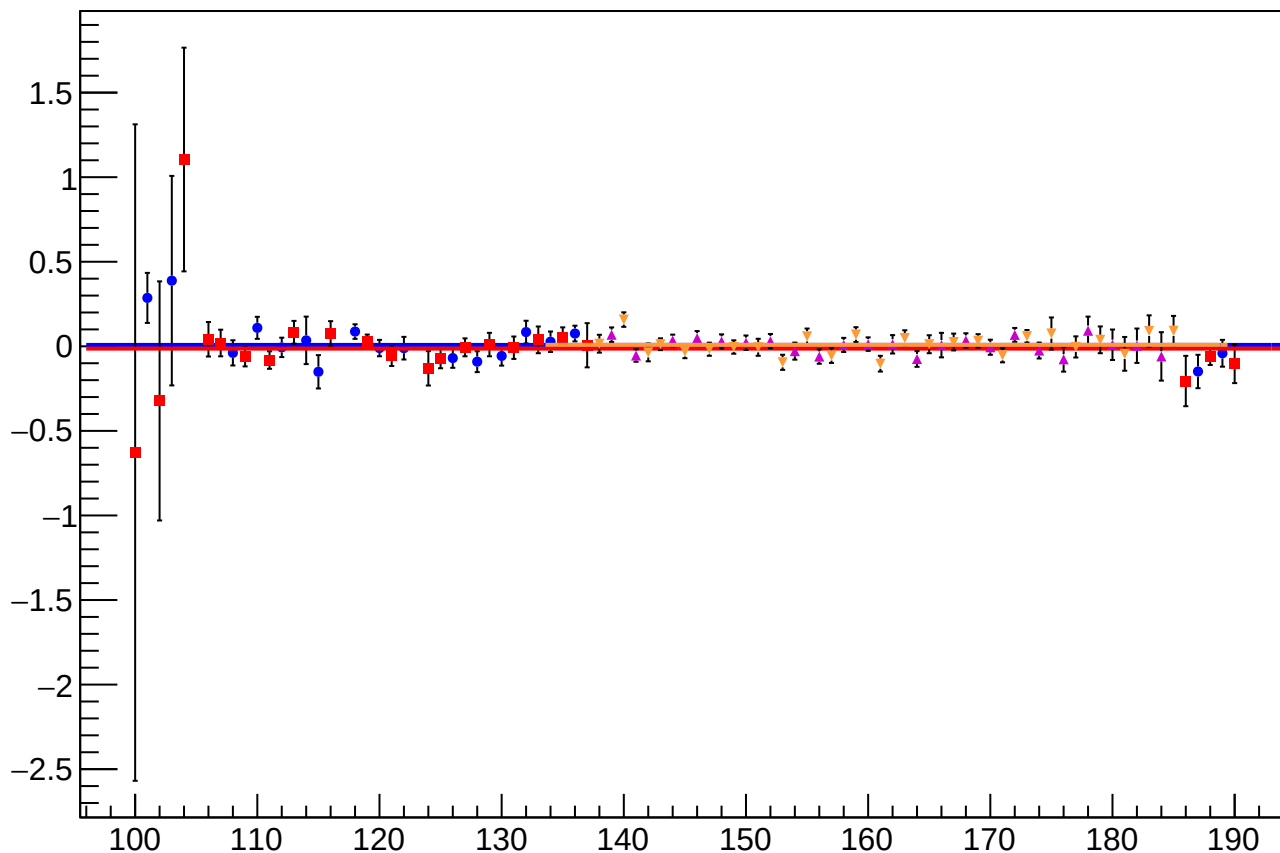
Left In: 38.630 ± 0.007 $\chi^2/\text{NDF}: 1727699.0/22$

+ sign 38.164 ± 0.006 $\chi^2/\text{NDF}: 3749217.8/42$

All: 38.517 ± 0.004 $\chi^2/\text{NDF}: 7827315.8/87$

- sign 38.884 ± 0.006 $\chi^2/\text{NDF}: 4070401.3/44$

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008 ± 0.015 χ^2/NDF : 25.1/17

Left Out: 0.009 ± 0.010 χ^2/NDF : 38.6/24

Right Out: -0.014 ± 0.015 χ^2/NDF : 18.2/21

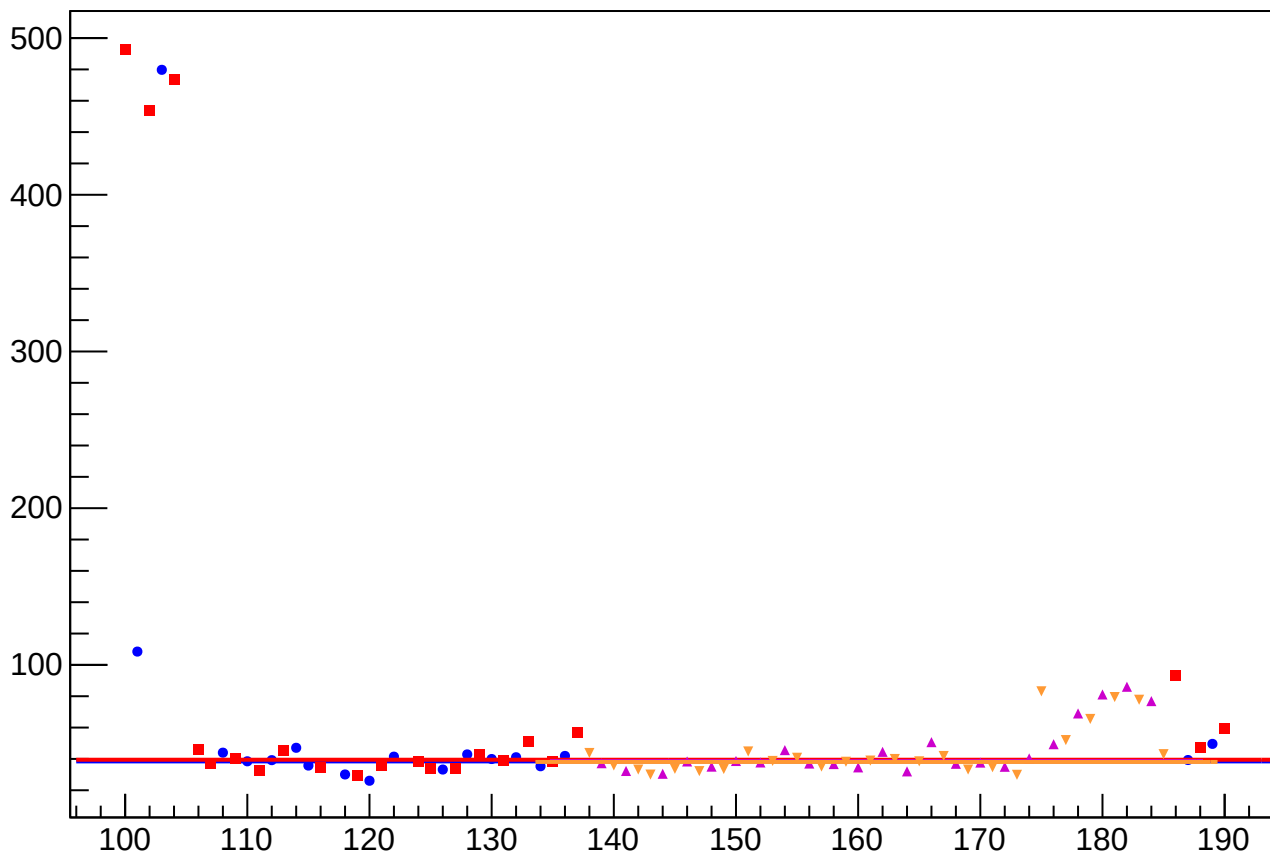
Left In: 0.008 ± 0.010 χ^2/NDF : 18.9/22

+ sign 0.009 ± 0.008 χ^2/NDF : 63.7/42

All: 0.005 ± 0.006 χ^2/NDF : 102.6/87

- sign 0.001 ± 0.008 χ^2/NDF : 38.5/44

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.416+/-0.011 χ^2 /NDF: 1781368.0/17

Left Out: 38.067+/-0.007 χ^2 /NDF:1967110.9/24

Right Out: 39.475+/-0.011 χ^2 /NDF: 2338320.5/21

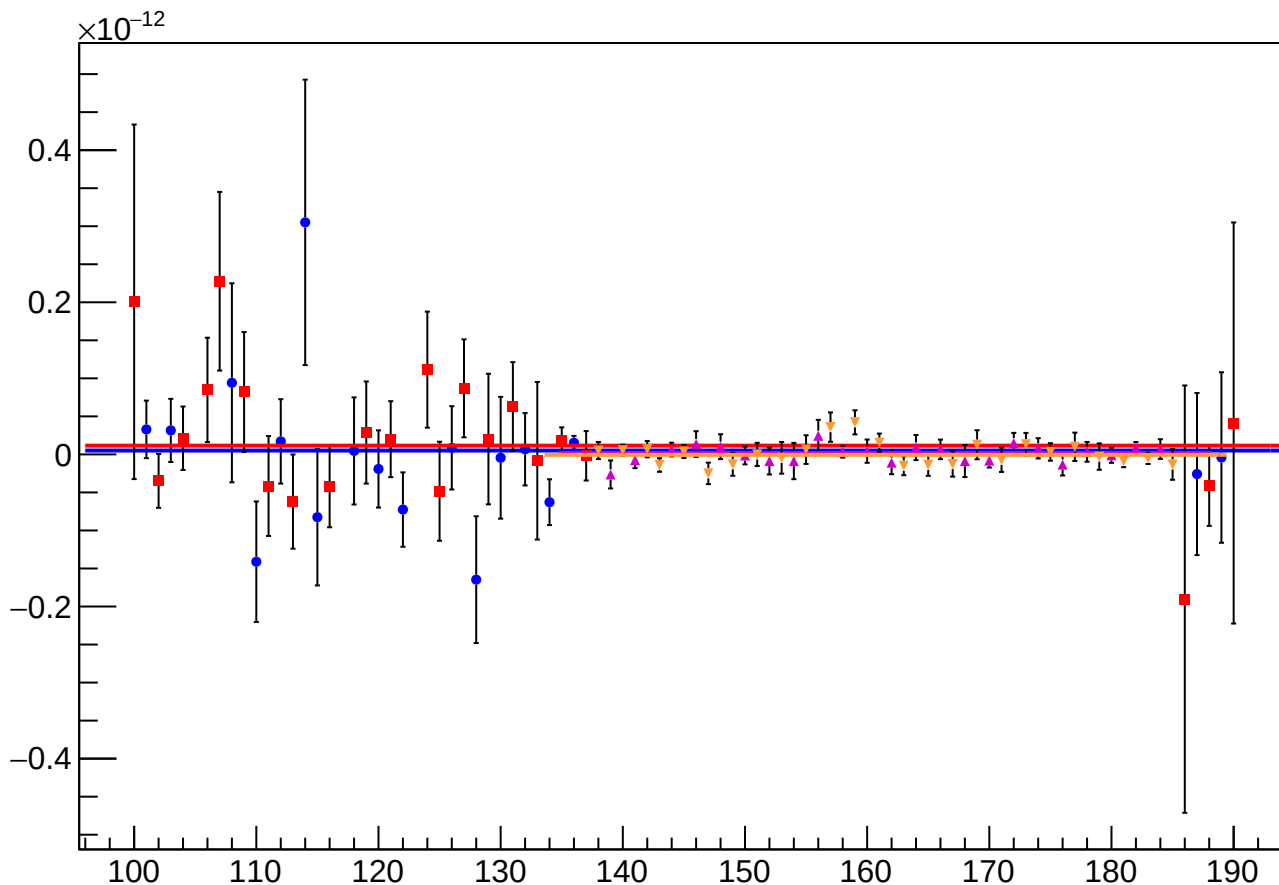
Left In: 38.630+/-0.007 χ^2 /NDF:1727699.0/22

+ sign 38.164+/-0.006 χ^2 /NDF: 3749217.8/42

All: 38.517+/-0.004 χ^2 /NDF: 7827315.8/87

- sign 38.884+/-0.006 χ^2 /NDF: 4070401.3/44

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.8/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/21

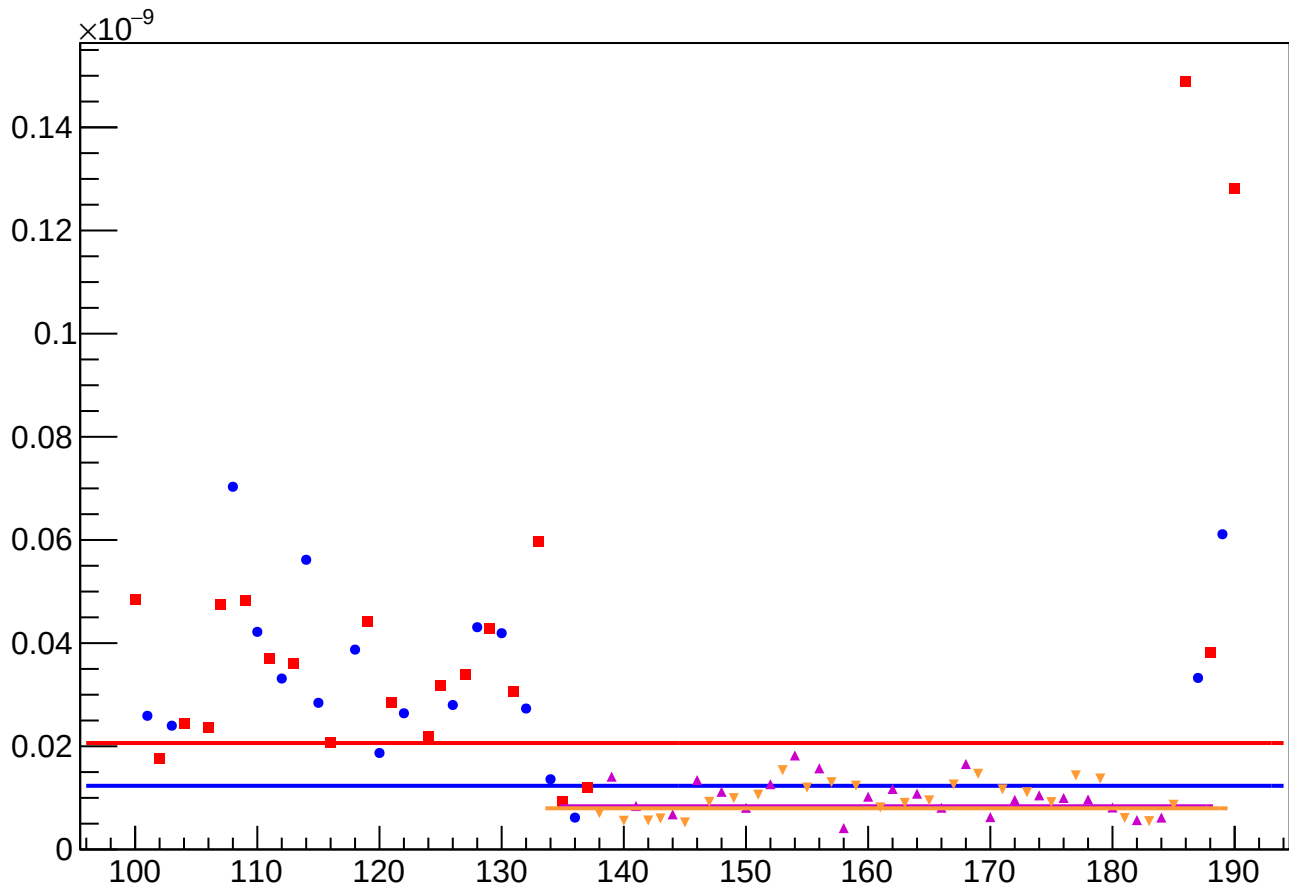
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 11.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 49.2/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 79.6/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30.0/44

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4328556.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3605359.1/21

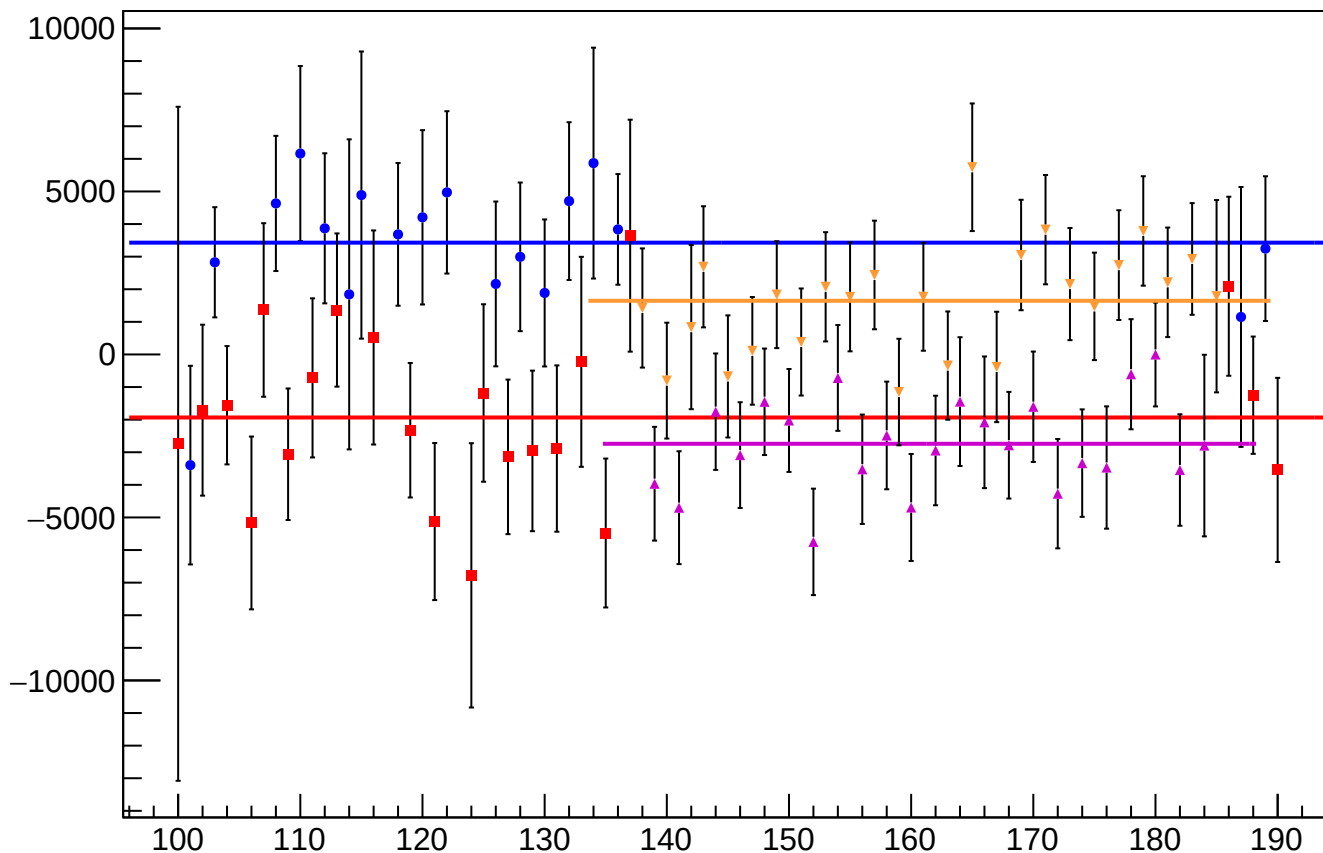
Left In: 0.000+/-0.000 χ^2/NDF : 2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 7769701.3/42

All: 0.000+/-0.000 χ^2/NDF : 16894432.3/87

- sign 0.000+/-0.000 χ^2/NDF : 9037941.5/44

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3429.109 $\pm$ 574.226 χ^2 /NDF: 9.2/17

Left Out: 1646.402 $\pm$ 349.758 χ^2 /NDF:21.0/24

Right Out: -1933.973 $\pm$ 537.358 χ^2 /NDF: 17.8/21

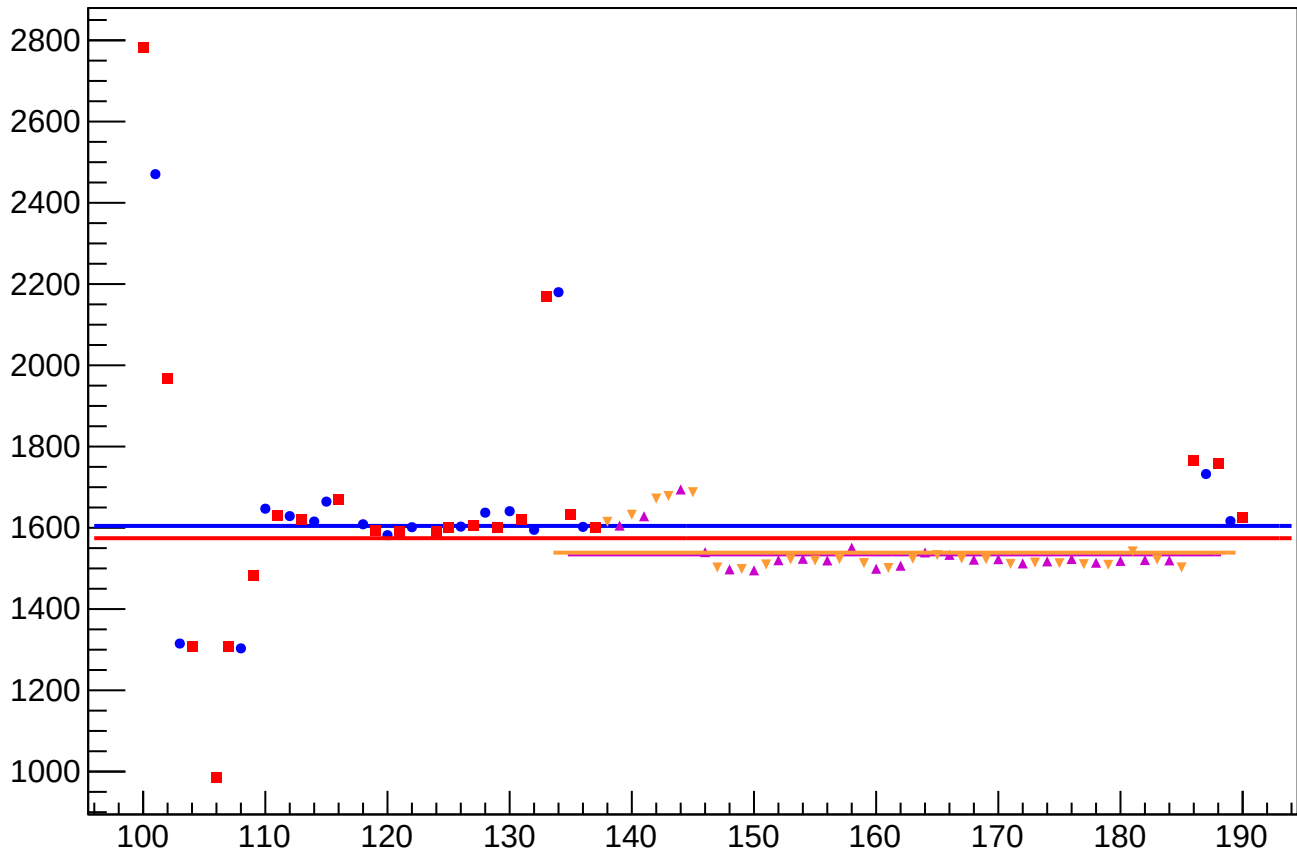
Left In: -2740.924 $\pm$ 358.458 χ^2 /NDF:16.4/22

+ sign 2128.809 $\pm$ 298.710 χ^2 /NDF: 37.2/42

All: -185.763 $\pm$ 211.039 χ^2 /NDF: 192.9/87

- sign -2492.421 $\pm$ 298.199 χ^2 /NDF: 35.8/44

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1604.656 $\pm$ 0.406 χ^2 /NDF: 319604.3/17

Left Out: 1538.810 $\pm$ 0.247 χ^2 /NDF: 47056.2/24

Right Out: 1574.396 $\pm$ 0.375 χ^2 /NDF: 412647.1/21

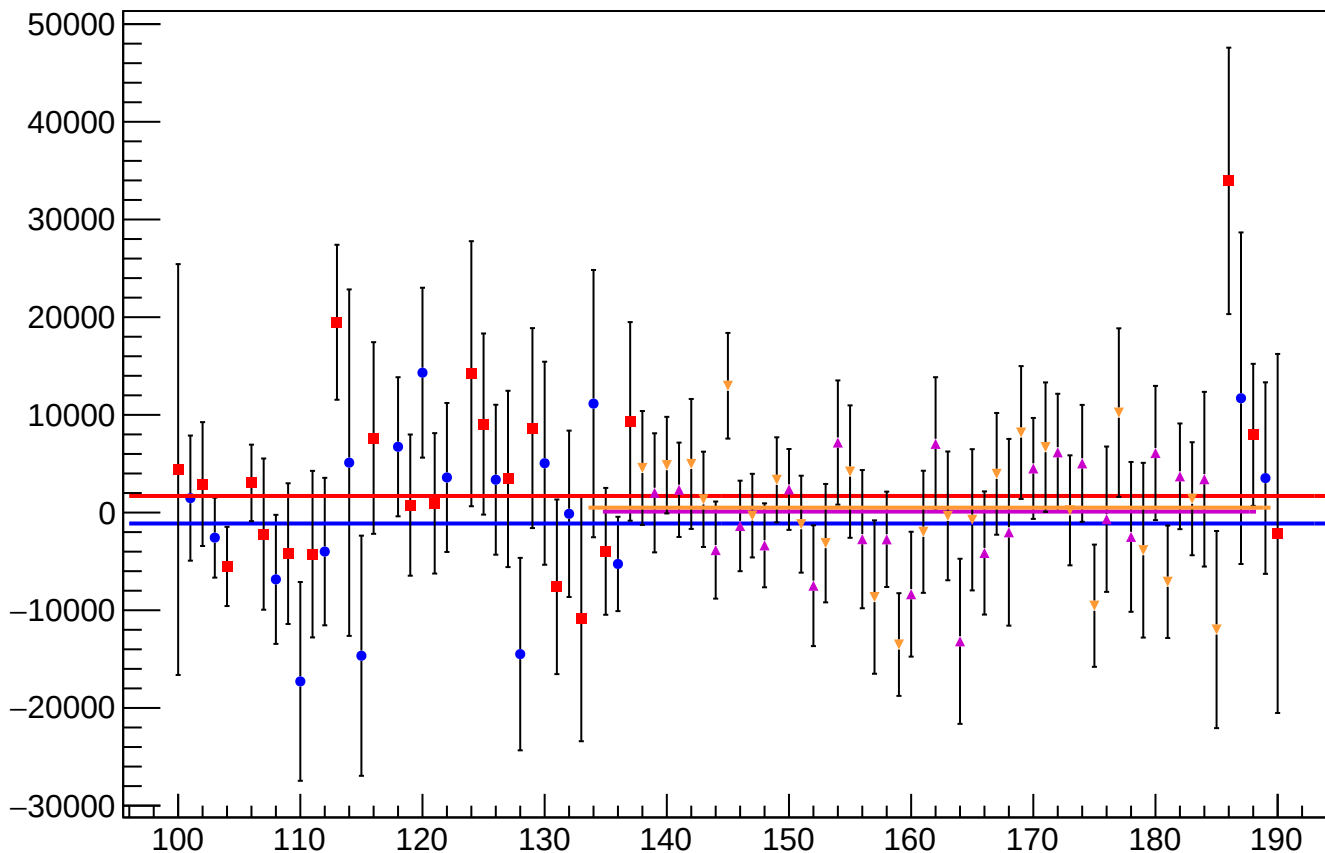
Left In: 1534.615 $\pm$ 0.253 χ^2 /NDF: 31120.6/22

+ sign 1556.628 $\pm$ 0.211 χ^2 /NDF: 385842.4/42

All: 1551.838 $\pm$ 0.149 χ^2 /NDF: 838366.9/87

- sign 1547.106 $\pm$ 0.210 χ^2 /NDF: 451502.1/44

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1119.759+/-1805.972 χ^2/NDF : 14.7/17

Left Out: 503.846+/-1187.304 χ^2/NDF : 26.8/24

Right Out: 1699.882+/-1609.277 χ^2/NDF : 21.9/21

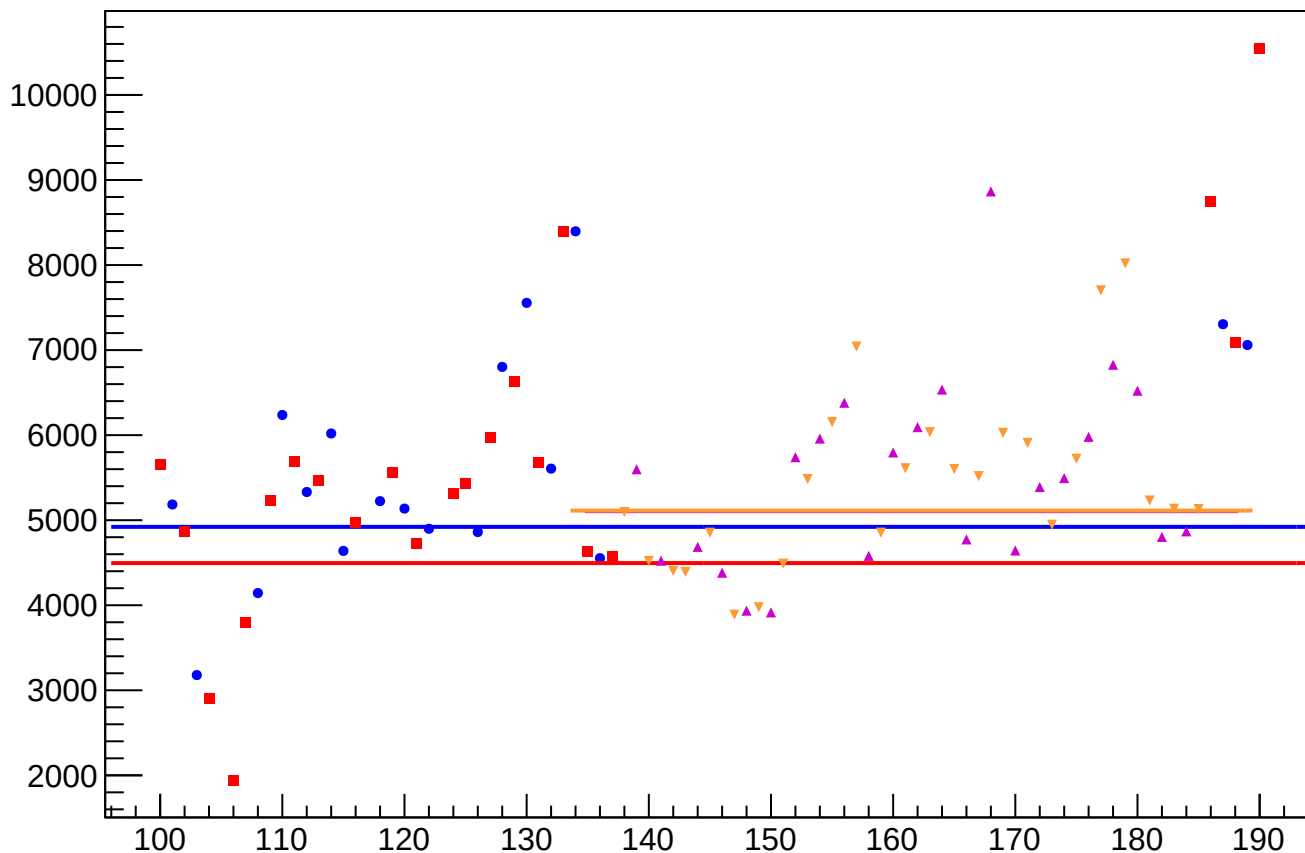
Left In: 97.910+/-1217.585 χ^2/NDF : 14.9/22

+ sign 13.872+/-992.105 χ^2/NDF : 42.0/42

All: 354.668+/-693.935 χ^2/NDF : 79.7/87

- sign -681.107+/-970.982 χ^2/NDF : 37.5/44

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4921.624+/-1.277 χ^2/NDF : 936394.2/17

Left Out: 5112.954+/-0.840 χ^2/NDF : 1159010.4/24

Right Out: 4495.678+/-1.138 χ^2/NDF : 2392704.0/21

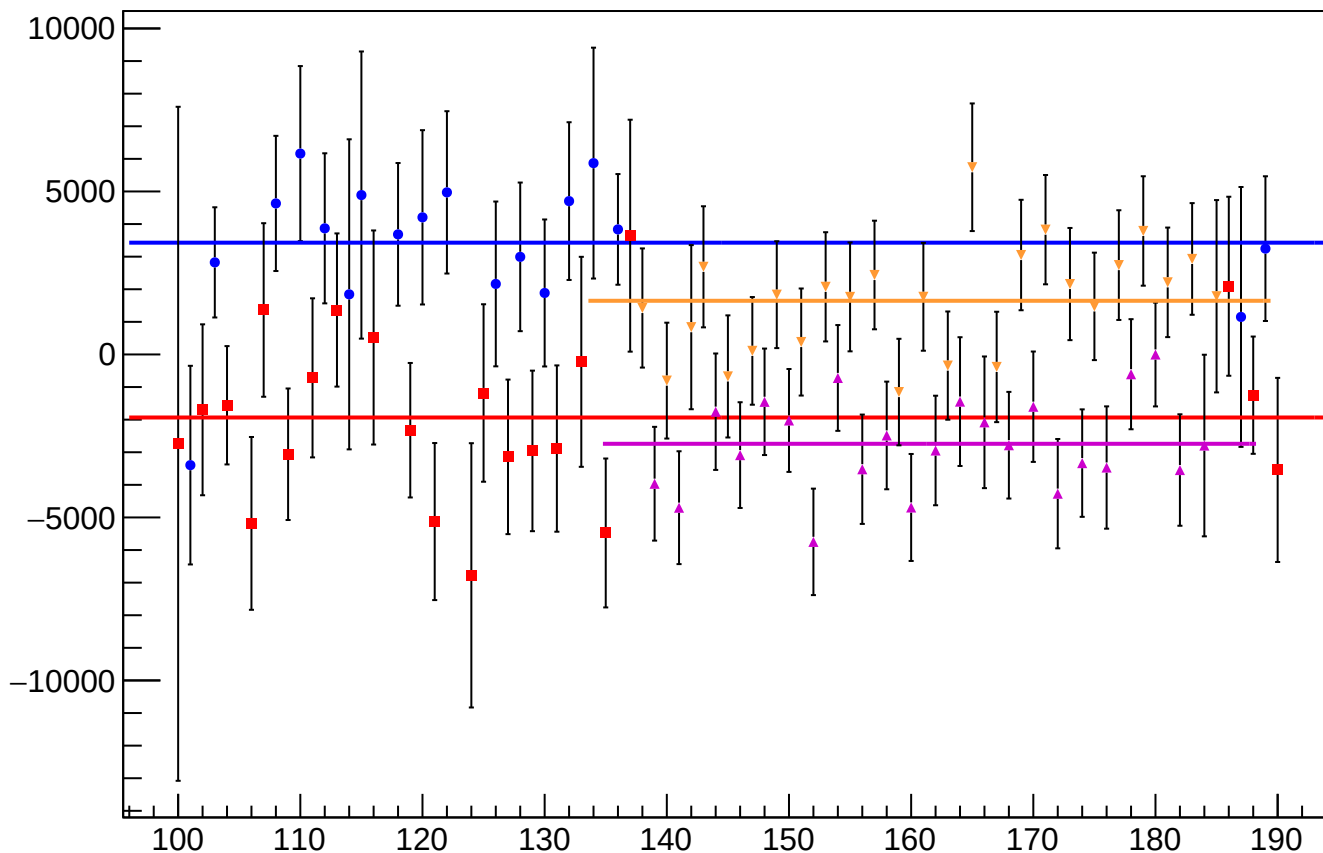
Left In: 5106.386+/-0.861 χ^2/NDF : 1251622.3/22

+ sign 5055.214+/-0.702 χ^2/NDF : 2111078.0/42

All: 4967.795+/-0.491 χ^2/NDF : 5968979.2/87

- sign 4884.058+/-0.687 χ^2/NDF : 3827498.2/44

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3428.822 $\pm$ 574.226 χ^2 /NDF: 9.2/17

Left Out: 1646.294 $\pm$ 349.758 χ^2 /NDF:21.0/24

Right Out: -1933.939 $\pm$ 537.360 χ^2 /NDF: 17.8/21

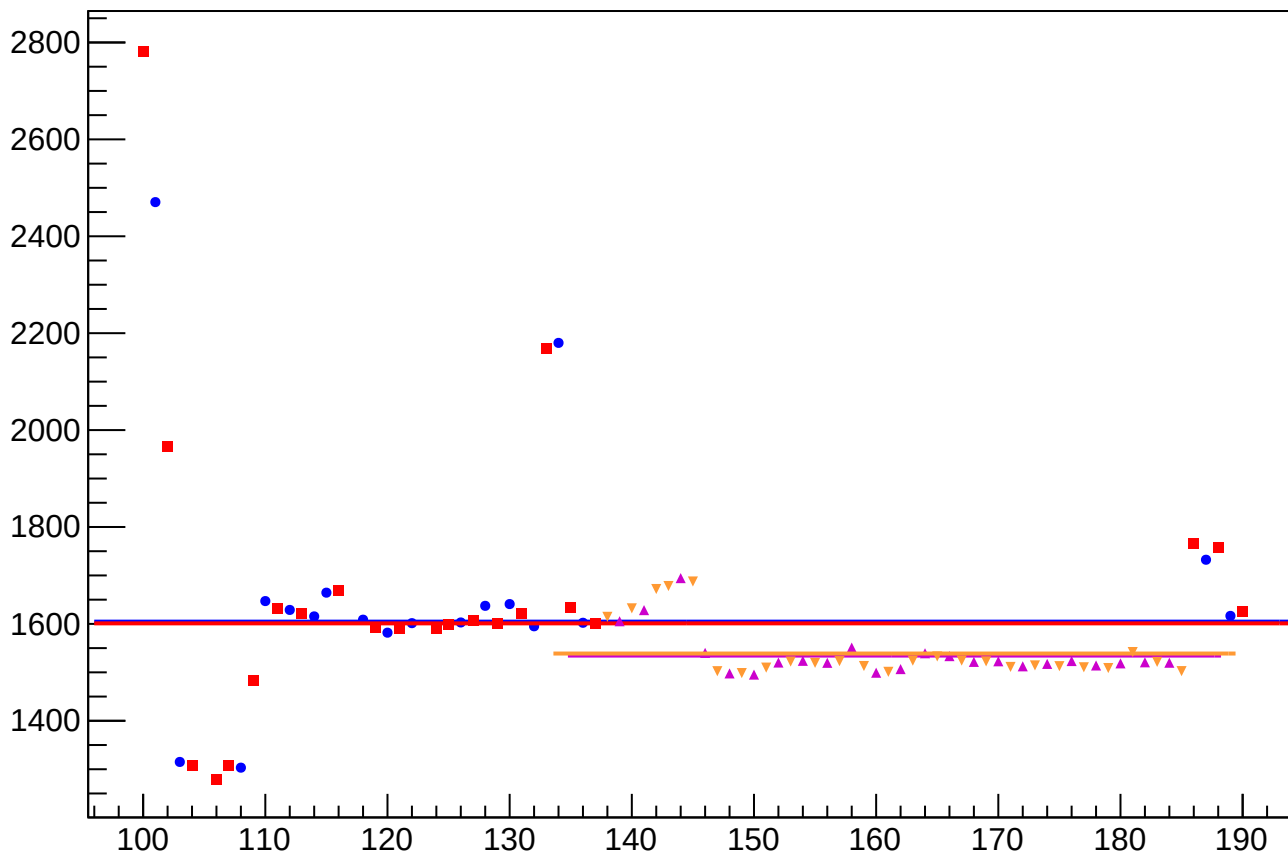
Left In: -2740.826 $\pm$ 358.458 χ^2 /NDF:16.4/22

+ sign 2128.653 $\pm$ 298.710 χ^2 /NDF: 37.2/42

All: -185.800 $\pm$ 211.039 χ^2 /NDF: 192.9/87

- sign -2492.344 $\pm$ 298.199 χ^2 /NDF: 35.8/44

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1604.656+/-0.406 χ^2/NDF : 319603.4/17

Left Out: 1538.810+/-0.247 χ^2/NDF : 47056.2/24

Right Out: 1601.076+/-0.379 χ^2/NDF : 269658.2/21

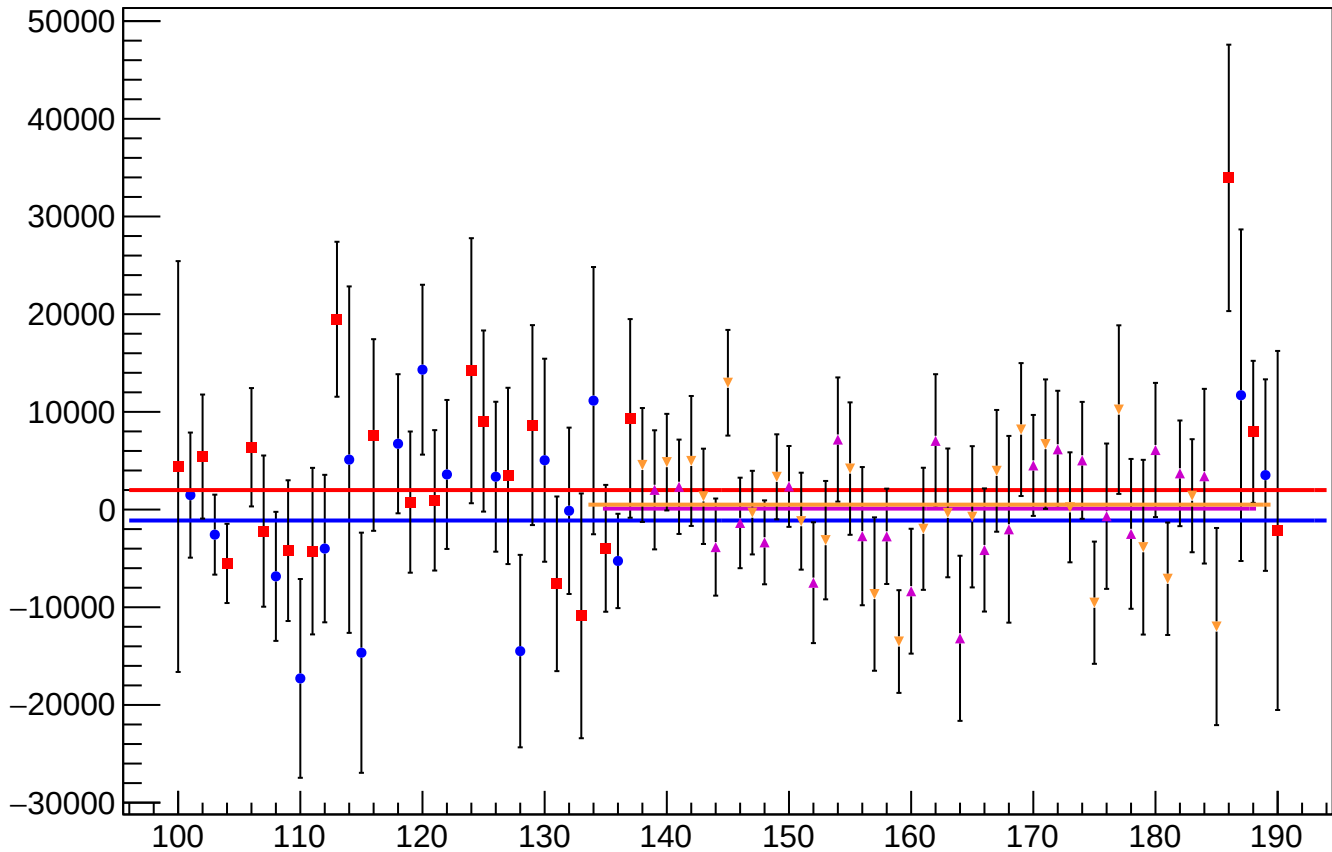
Left In: 1534.615+/-0.253 χ^2/NDF : 31120.6/22

+ sign 1556.628+/-0.211 χ^2/NDF : 385841.6/42

All: 1555.900+/-0.149 χ^2/NDF : 707913.4/87

- sign 1555.175+/-0.211 χ^2/NDF : 322048.0/44

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1119.979 ± 1806.007 χ^2/NDF : 14.7/17

Left Out: 503.849 ± 1187.302 χ^2/NDF : 26.8/24

Right Out: 1995.079 ± 1694.857 χ^2/NDF : 22.7/21

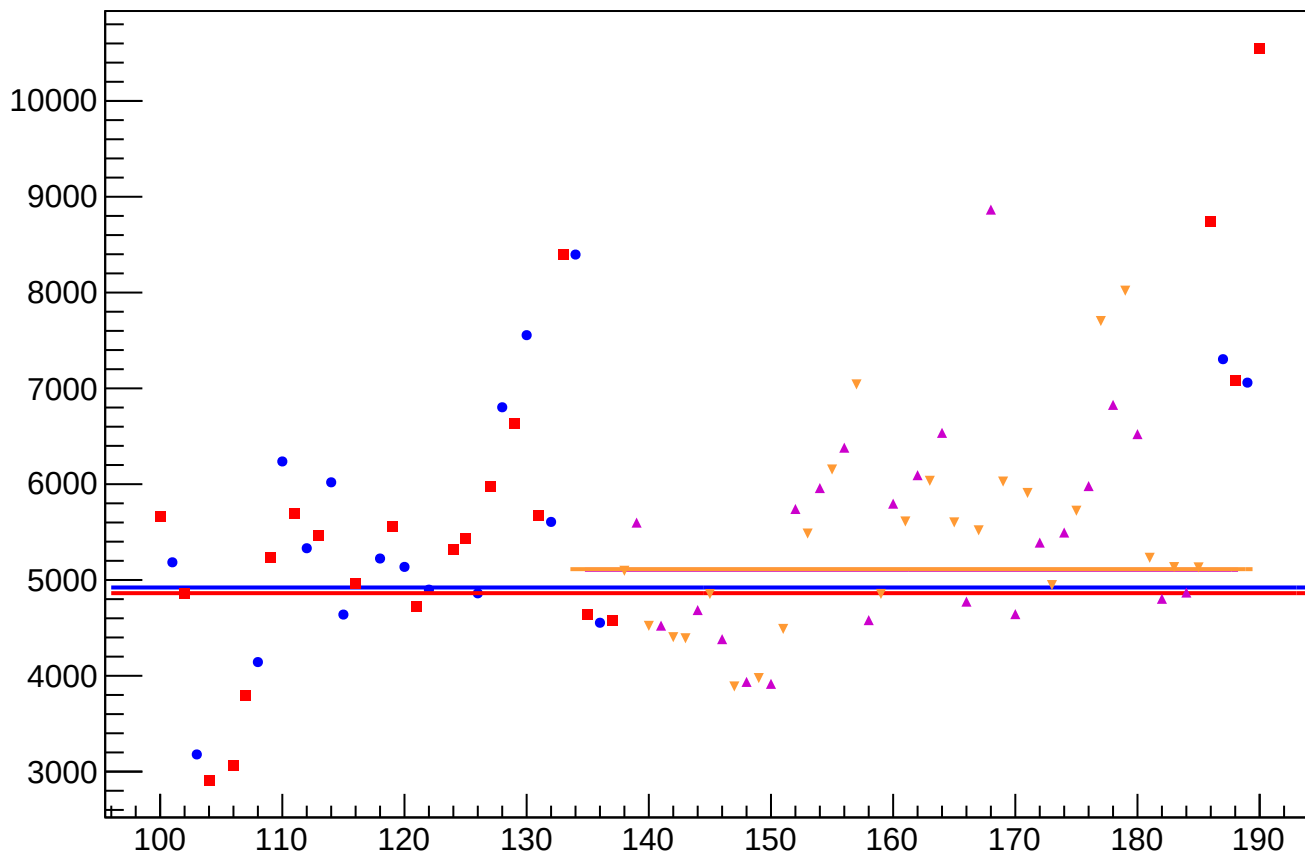
Left In: 97.930 ± 1217.585 χ^2/NDF : 14.9/22

+ sign 13.822 ± 992.110 χ^2/NDF : 42.0/42

All: 379.979 ± 700.376 χ^2/NDF : 80.7/87

- sign 743.743 ± 988.862 χ^2/NDF : 38.4/44

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4921.758+/-1.277 χ^2/NDF : 936181.0/17

Left Out: 5112.947+/-0.840 χ^2/NDF : 1159023.2/24

Right Out: 4862.467+/-1.198 χ^2/NDF : 1557885.0/21

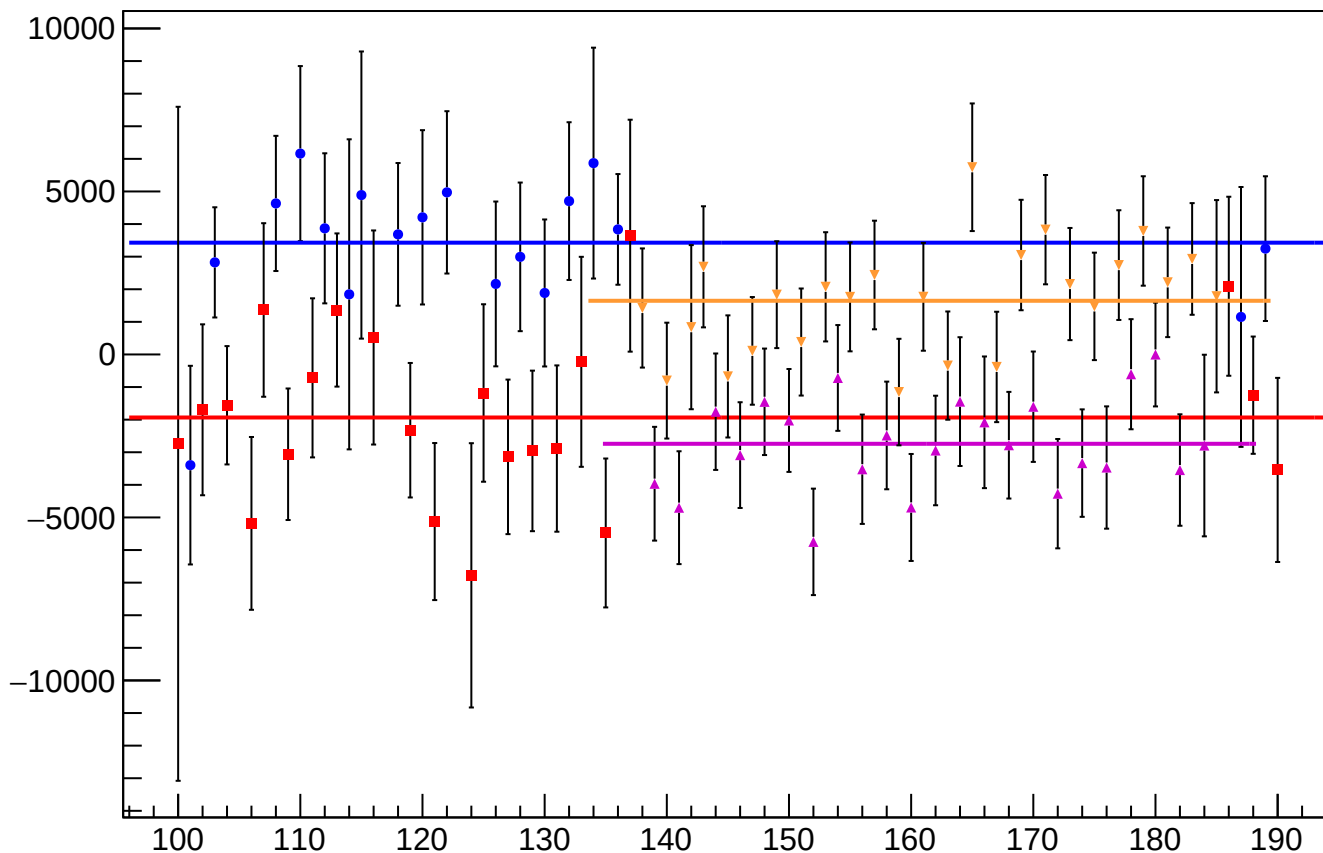
Left In: 5106.384+/-0.861 χ^2/NDF : 1251622.9/22

+ sign 5055.251+/-0.702 χ^2/NDF : 2110854.0/42

All: 5039.249+/-0.495 χ^2/NDF : 4948721.7/87

- sign 5023.352+/-0.699 χ^2/NDF : 2836830.4/44

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3428.822 $\pm$ 574.226 χ^2 /NDF: 9.2/17

Left Out: 1646.294 $\pm$ 349.758 χ^2 /NDF:21.0/24

Right Out: -1933.939 $\pm$ 537.360 χ^2 /NDF: 17.8/21

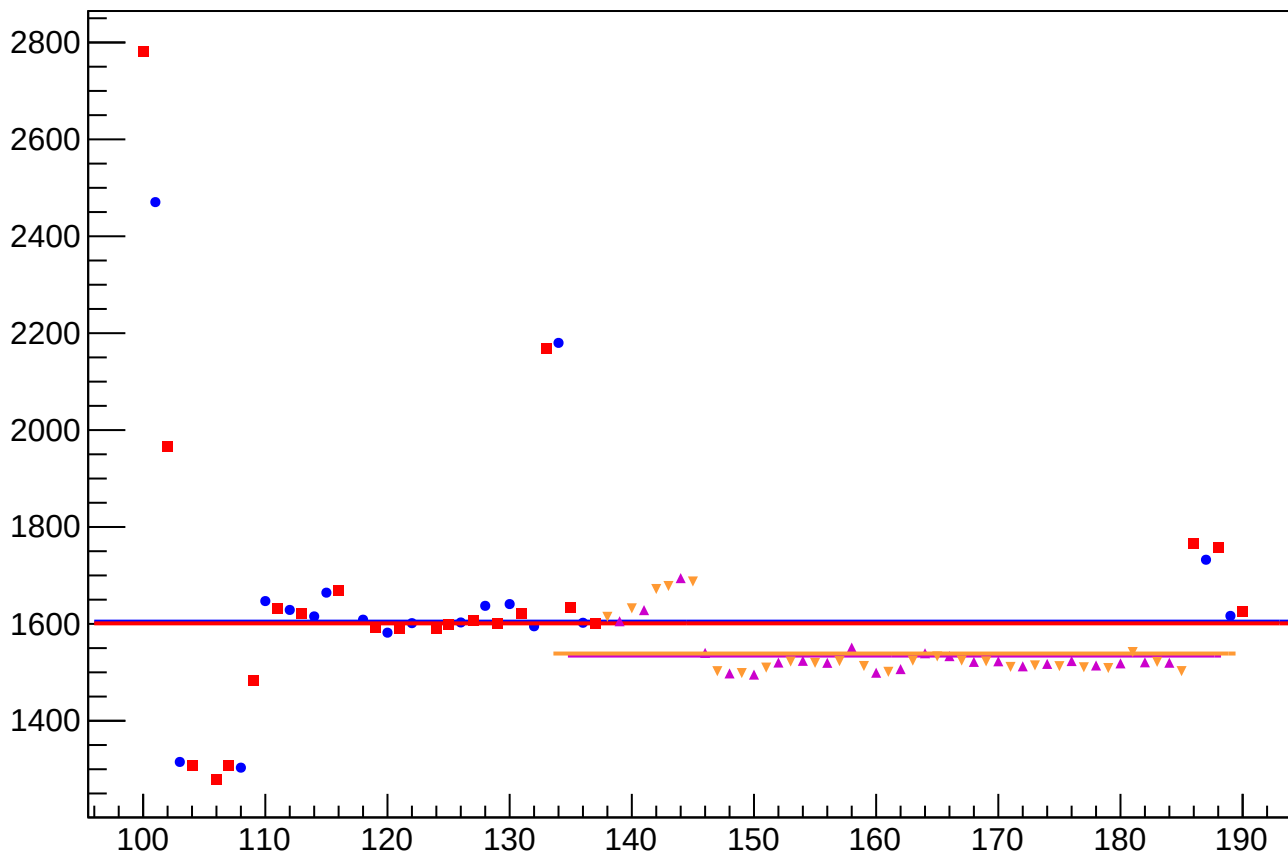
Left In: -2740.826 $\pm$ 358.458 χ^2 /NDF:16.4/22

+ sign 2128.653 $\pm$ 298.710 χ^2 /NDF: 37.2/42

All: -185.800 $\pm$ 211.039 χ^2 /NDF: 192.9/87

- sign -2492.344 $\pm$ 298.199 χ^2 /NDF: 35.8/44

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1604.656+/-0.406 χ^2/NDF : 319603.4/17

Left Out: 1538.810+/-0.247 χ^2/NDF : 47056.2/24

Right Out: 1601.076+/-0.379 χ^2/NDF : 269658.2/21

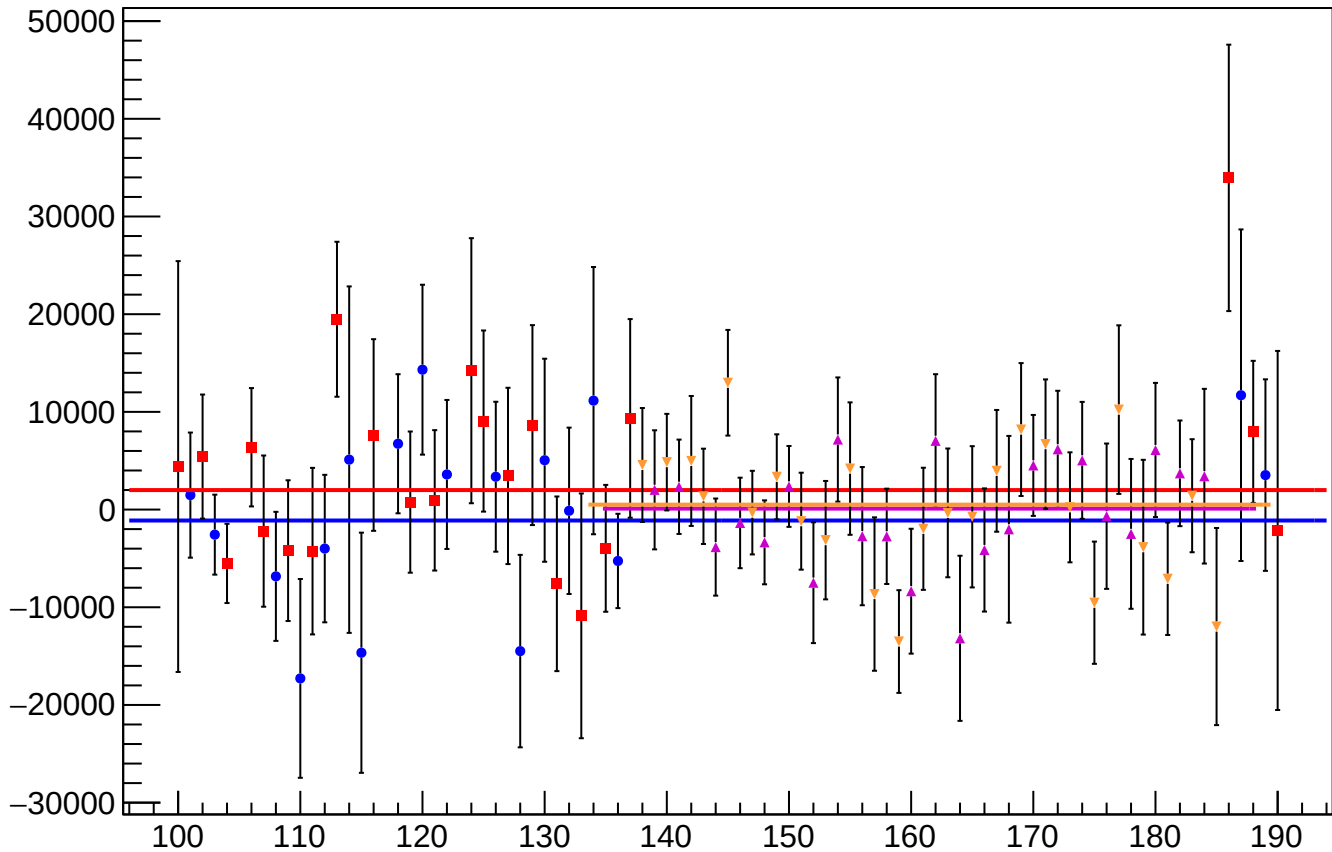
Left In: 1534.615+/-0.253 χ^2/NDF : 31120.6/22

+ sign 1556.628+/-0.211 χ^2/NDF : 385841.6/42

All: 1555.900+/-0.149 χ^2/NDF : 707913.4/87

- sign 1555.175+/-0.211 χ^2/NDF : 322048.0/44

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug



Right In: -1119.979 $\pm$ 1806.007 χ^2/NDF : 14.7/17

Left Out: 503.849 $\pm$ 1187.302 χ^2/NDF : 26.8/24

Right Out: 1995.079 $\pm$ 1694.857 χ^2/NDF : 22.7/21

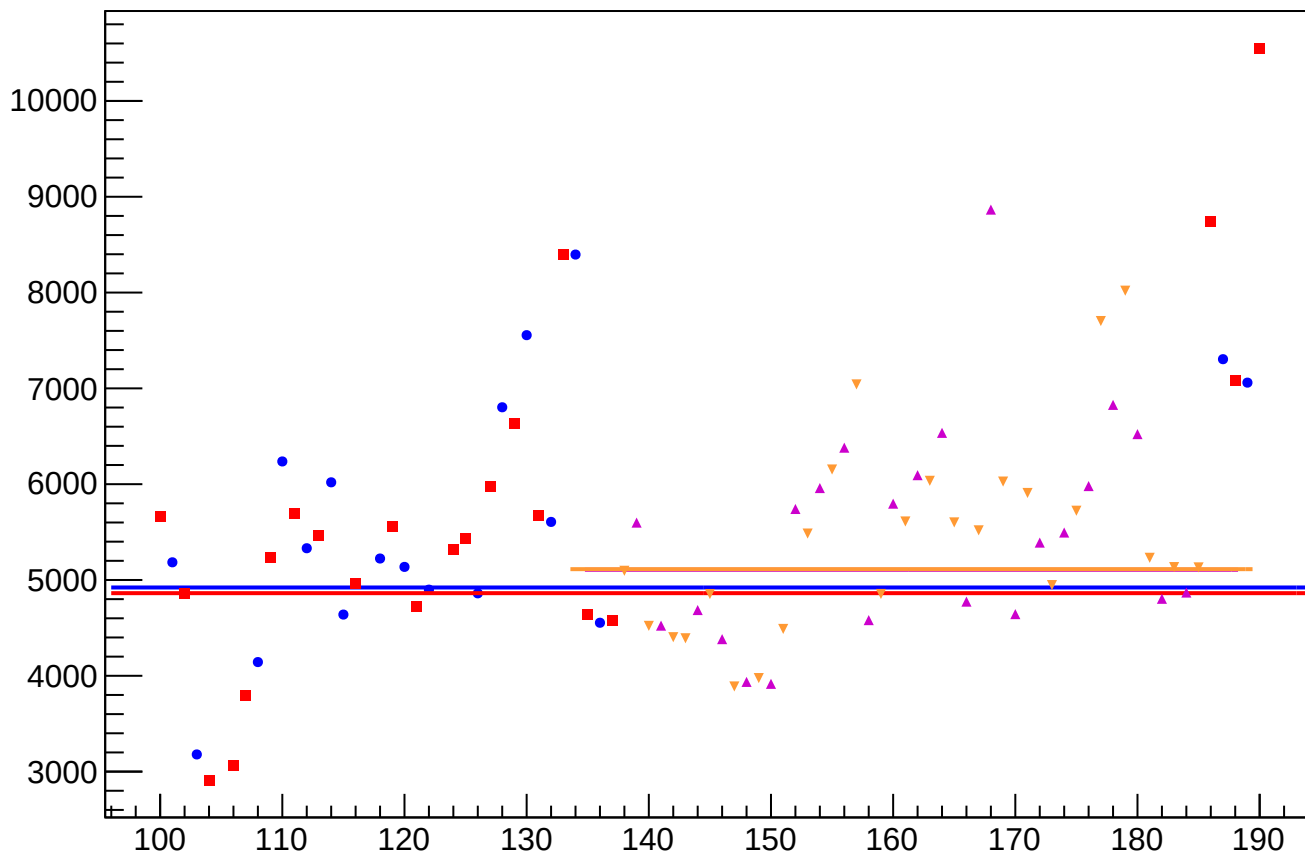
Left In: 97.930 $\pm$ 1217.585 χ^2/NDF : 14.9/22

+ sign 13.822 $\pm$ 992.110 χ^2/NDF : 42.0/42

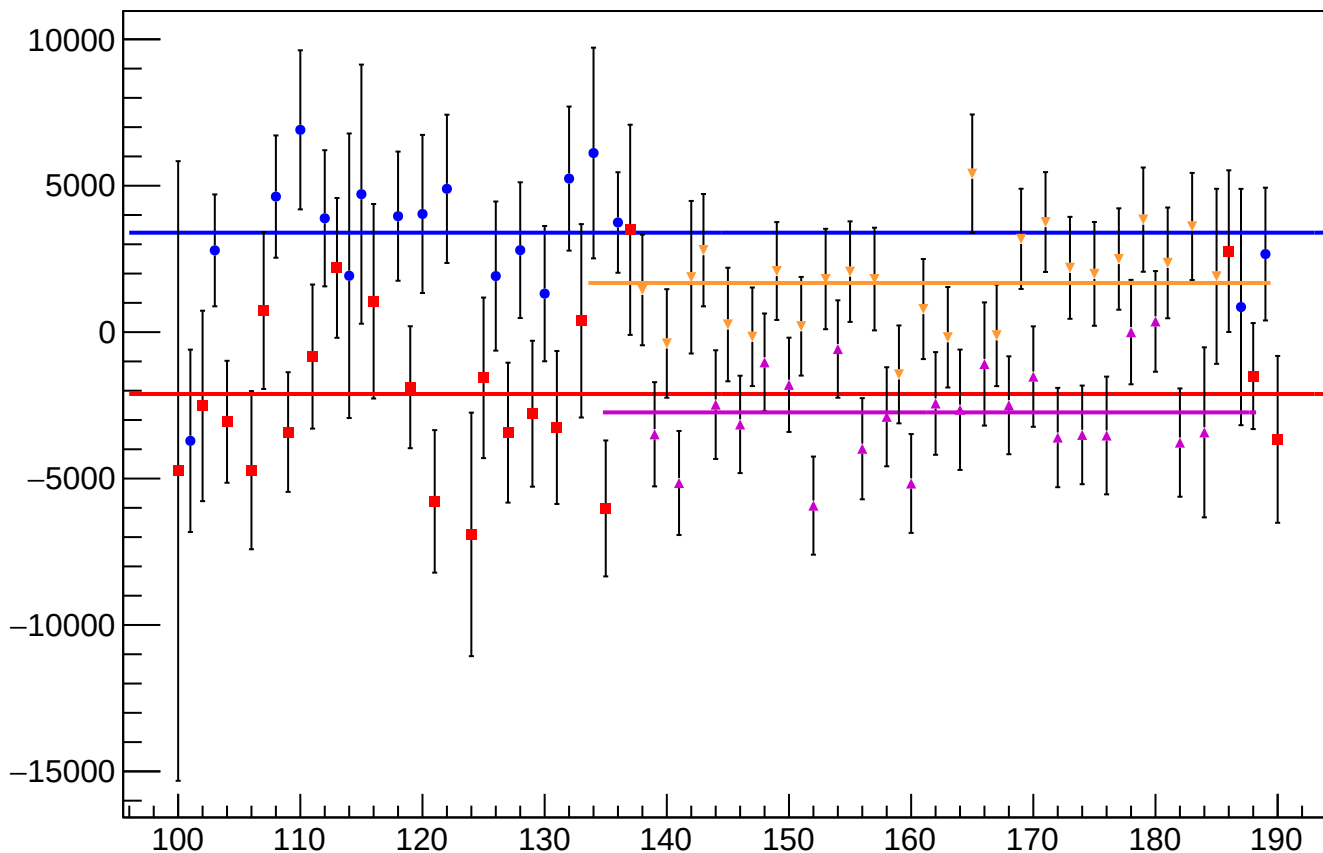
All: 379.979 $\pm$ 700.376 χ^2/NDF : 80.7/87

- sign 743.743 $\pm$ 988.862 χ^2/NDF : 38.4/44

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3396.178 ± 588.728 χ^2/NDF : 10.9/17

Left Out: 1679.163 ± 362.391 χ^2/NDF : 19.0/24

Right Out: -2112.190 ± 553.071 χ^2/NDF : 20.8/21

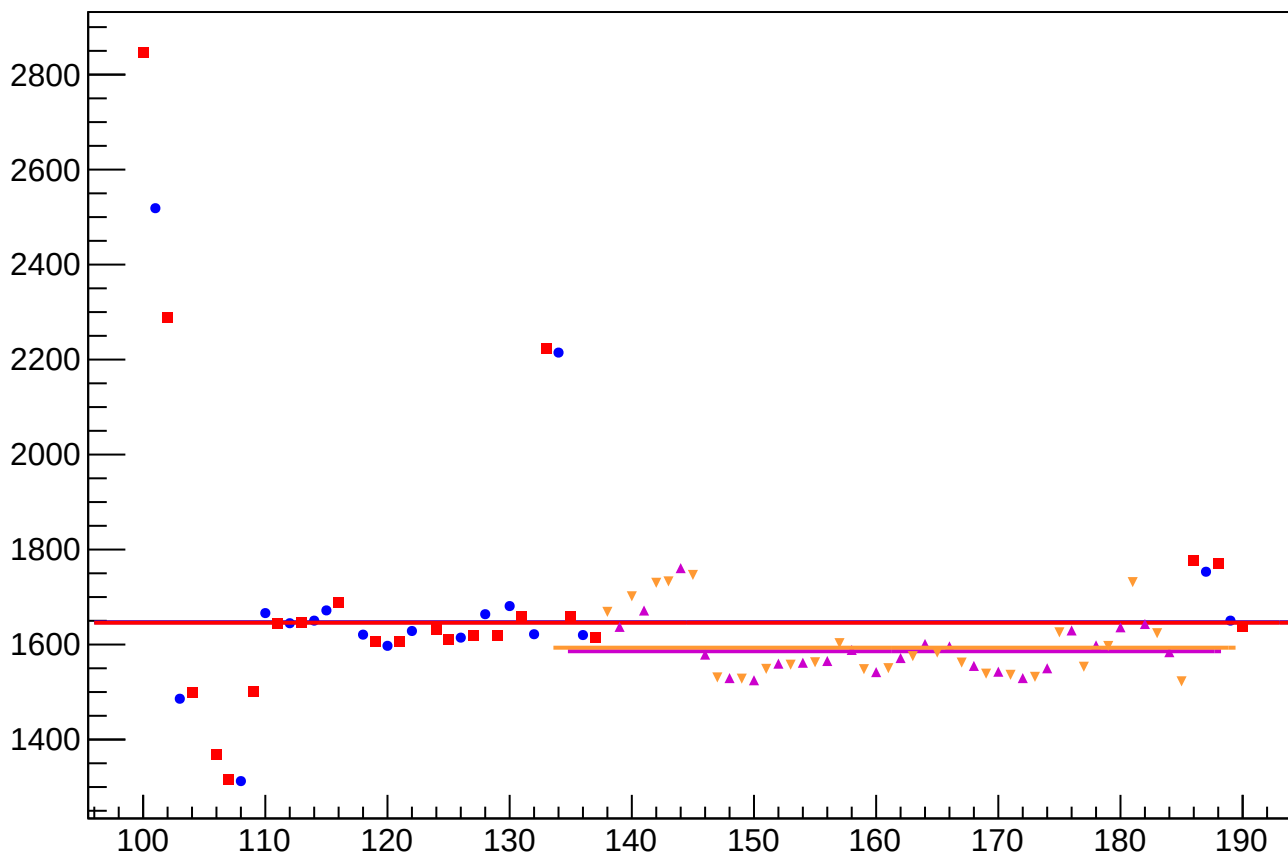
Left In: -2740.666 ± 370.604 χ^2/NDF : 19.2/22

+ sign 2150.973 ± 308.611 χ^2/NDF : 36.0/42

All: -203.078 ± 217.960 χ^2/NDF : 193.0/87

- sign -2545.917 ± 307.875 χ^2/NDF : 40.9/44

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1646.936 $\pm$ 0.416 χ^2 /NDF: 276251.8/17

Left Out: 1593.388 $\pm$ 0.256 χ^2 /NDF: 71876.4/24

Right Out: 1646.040 $\pm$ 0.391 χ^2 /NDF: 253572.7/21

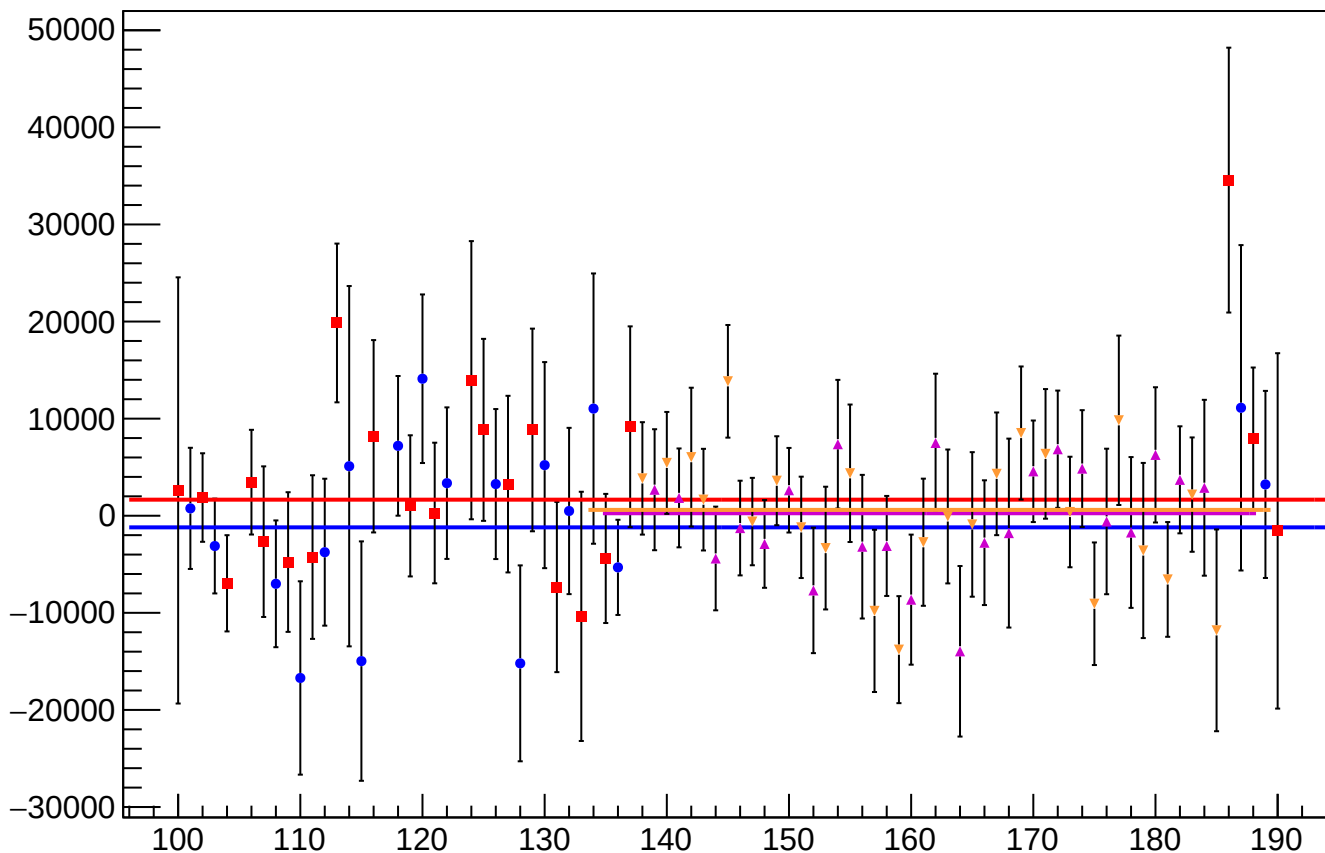
Left In: 1585.918 $\pm$ 0.262 χ^2 /NDF: 41915.3/22

+ sign 1608.102 $\pm$ 0.218 χ^2 /NDF: 360127.6/42

All: 1606.330 $\pm$ 0.154 χ^2 /NDF: 672073.7/87

- sign 1604.567 $\pm$ 0.218 χ^2 /NDF: 311814.6/44

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -1197.029 ± 1865.454 χ^2/NDF : 14.7/17

Left Out: 601.820 ± 1233.559 χ^2/NDF : 26.0/24

Right Out: 1654.518 ± 1680.534 χ^2/NDF : 21.9/21

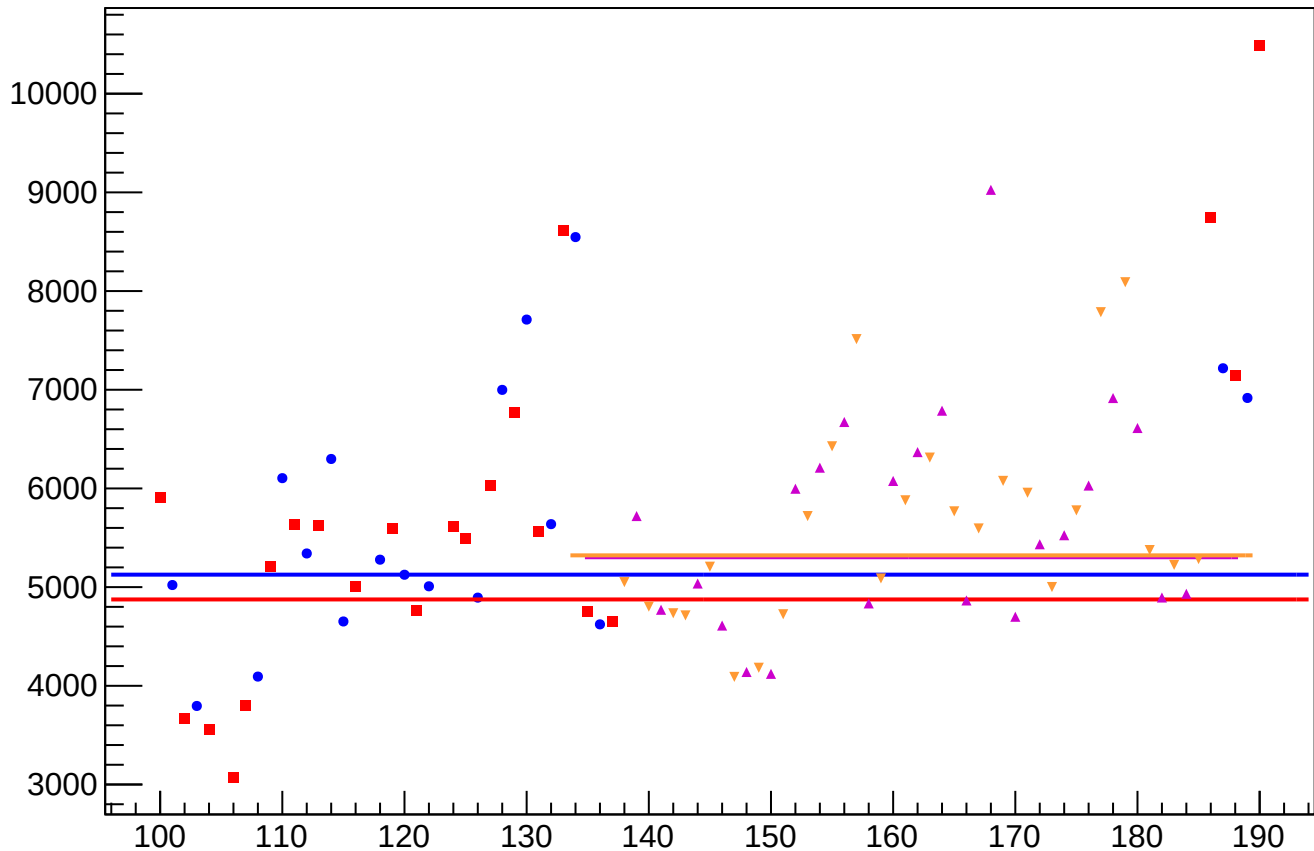
Left In: 255.905 ± 1262.607 χ^2/NDF : 14.6/22

+ sign 54.544 ± 1028.941 χ^2/NDF : 41.3/42

All: 414.289 ± 720.581 χ^2/NDF : 78.5/87

- sign 760.534 ± 1009.449 χ^2/NDF : 37.0/44

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5126.381+/-1.319 χ^2/NDF : 670938.0/17

Left Out: 5321.956+/-0.872 χ^2/NDF : 1037009.2/24

Right Out: 4875.150+/-1.188 χ^2/NDF : 1443410.1/21

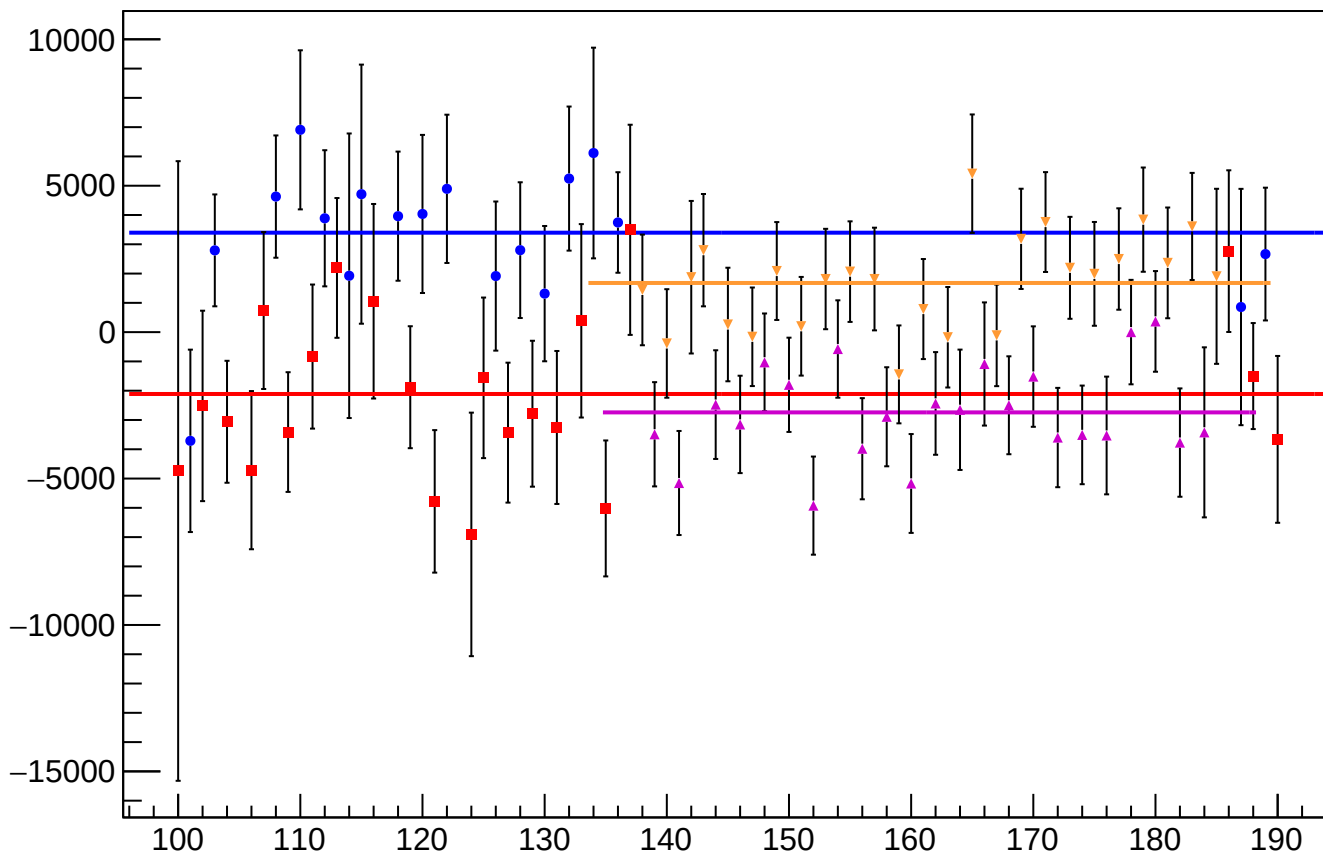
Left In: 5302.849+/-0.893 χ^2/NDF : 1152376.1/22

+ sign 5262.455+/-0.728 χ^2/NDF : 1723242.1/42

All: 5204.404+/-0.510 χ^2/NDF : 4414324.1/87

- sign 5148.533+/-0.714 χ^2/NDF : 2678589.1/44

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3396.180 ± 588.728 χ^2/NDF : 10.9/17

Left Out: 1679.156 ± 362.392 χ^2/NDF : 19.0/24

Right Out: -2112.193 ± 553.071 χ^2/NDF : 20.8/21

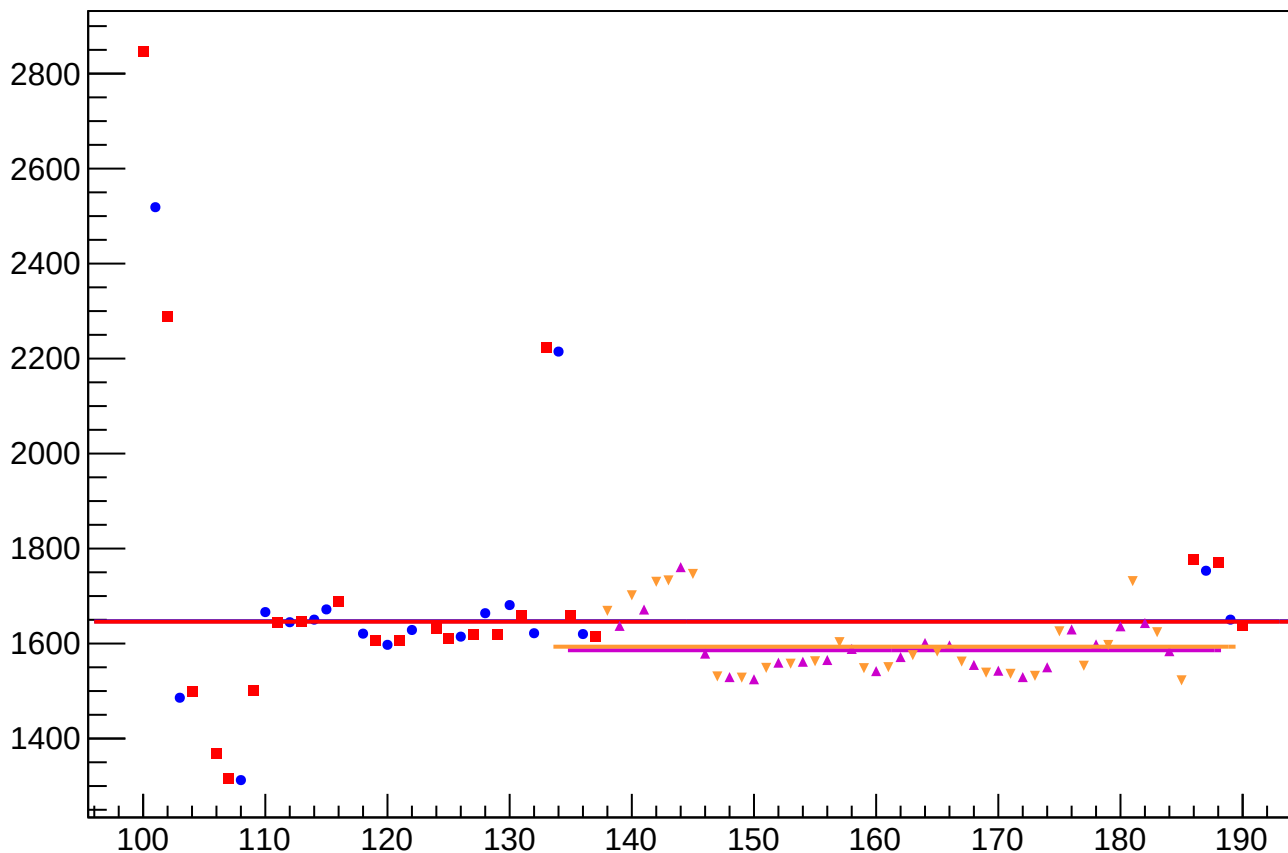
Left In: -2740.666 ± 370.605 χ^2/NDF : 19.2/22

+ sign 2150.970 ± 308.611 χ^2/NDF : 36.0/42

All: -203.081 ± 217.960 χ^2/NDF : 193.0/87

- sign -2545.918 ± 307.875 χ^2/NDF : 40.9/44

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1646.935 $\pm$ 0.416 χ^2 /NDF: 276251.9/17

Left Out: 1593.388 $\pm$ 0.256 χ^2 /NDF: 71876.3/24

Right Out: 1646.040 $\pm$ 0.391 χ^2 /NDF: 253572.4/21

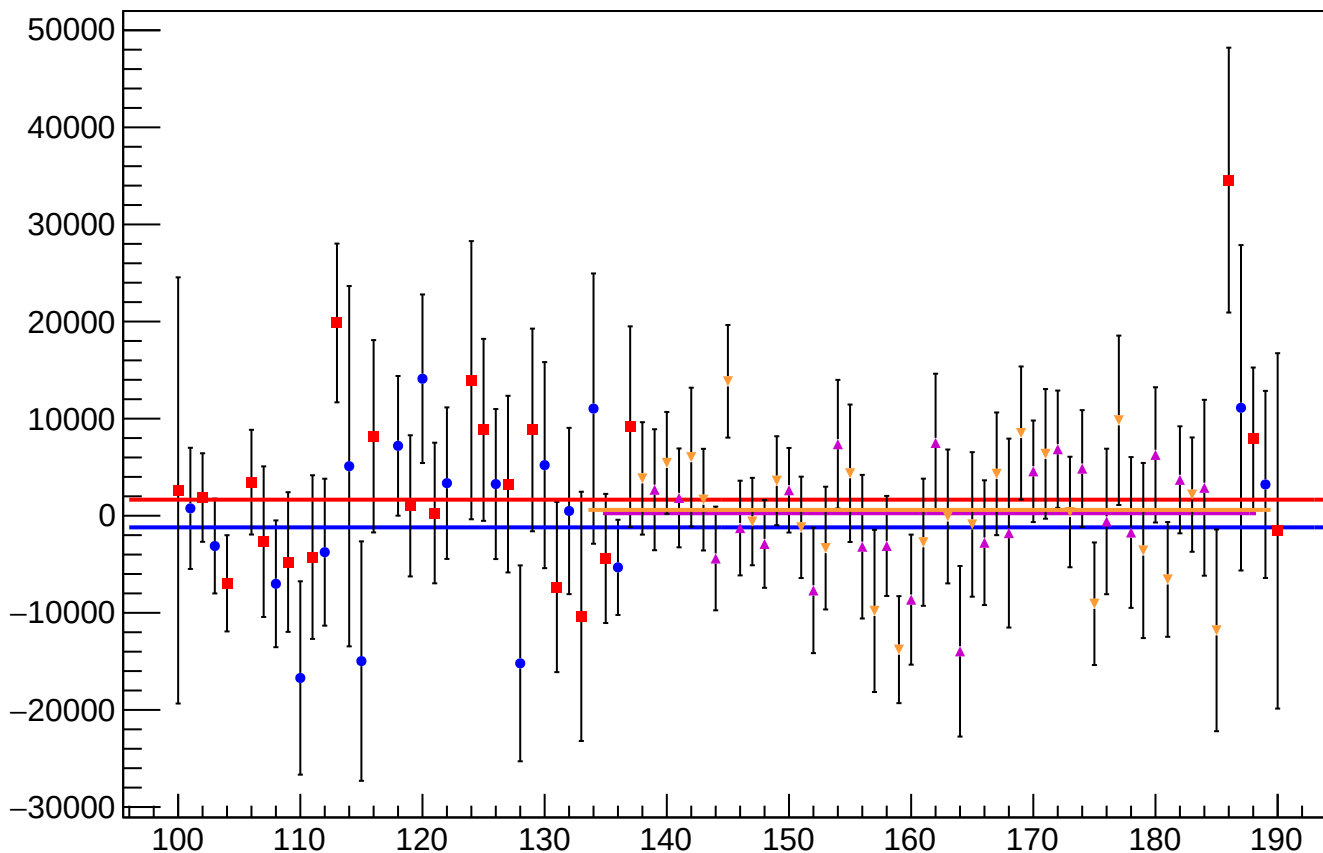
Left In: 1585.919 $\pm$ 0.262 χ^2 /NDF: 41915.1/22

+ sign 1608.102 $\pm$ 0.218 χ^2 /NDF: 360126.9/42

All: 1606.330 $\pm$ 0.154 χ^2 /NDF: 672071.8/87

- sign 1604.568 $\pm$ 0.218 χ^2 /NDF: 311813.3/44

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -1197.015 ± 1865.452 χ^2/NDF : 14.7/17

Left Out: 601.817 ± 1233.561 χ^2/NDF : 26.0/24

Right Out: 1654.517 ± 1680.531 χ^2/NDF : 21.9/21

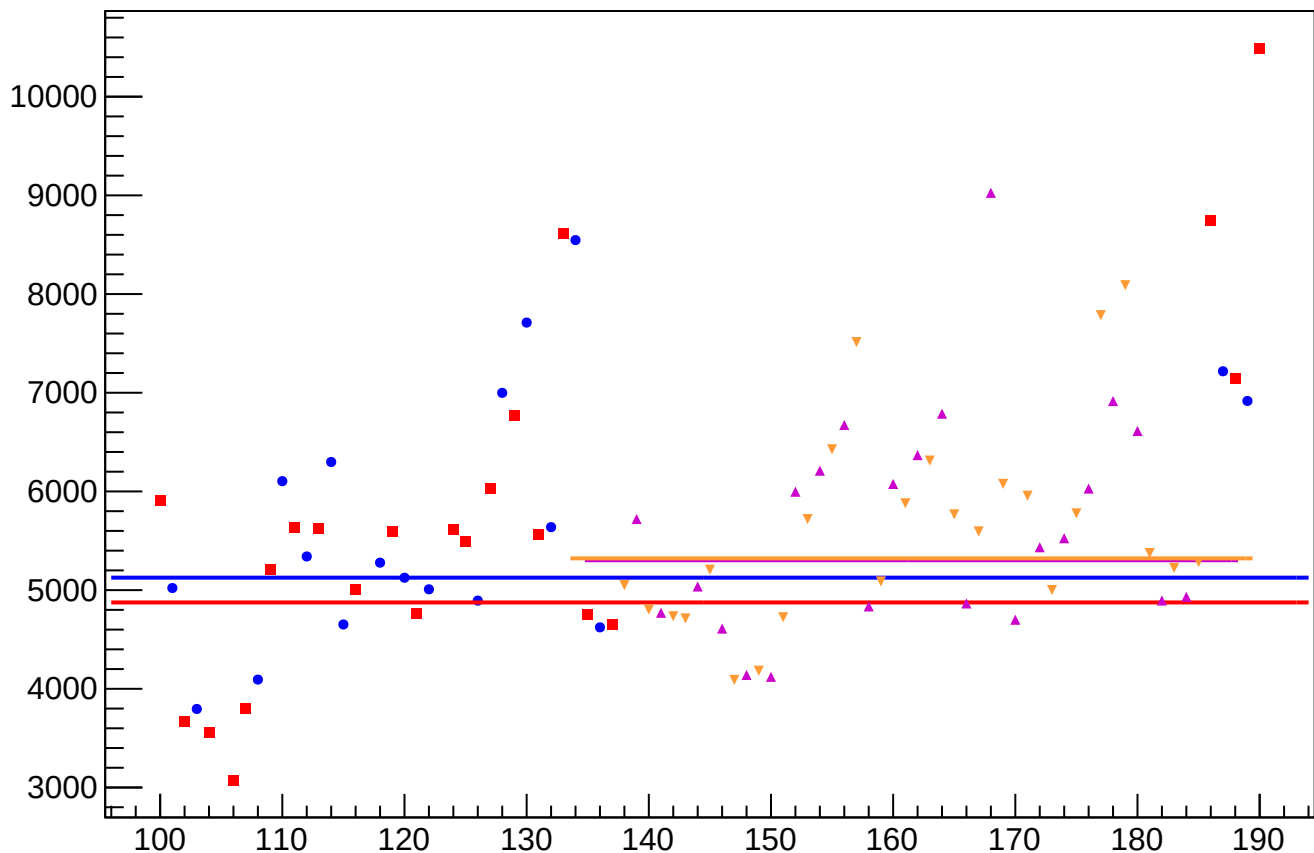
Left In: 255.907 ± 1262.609 χ^2/NDF : 14.6/22

+ sign 54.544 ± 1028.942 χ^2/NDF : 41.3/42

All: 414.291 ± 720.581 χ^2/NDF : 78.5/87

- sign 760.537 ± 1009.450 χ^2/NDF : 37.0/44

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5126.375 $\pm$ 1.319 χ^2 /NDF: 670933.3/17

Left Out: 5321.965 $\pm$ 0.872 χ^2 /NDF:1037011.4/24

Right Out: 4875.143 $\pm$ 1.188 χ^2 /NDF: 1443406.3/21

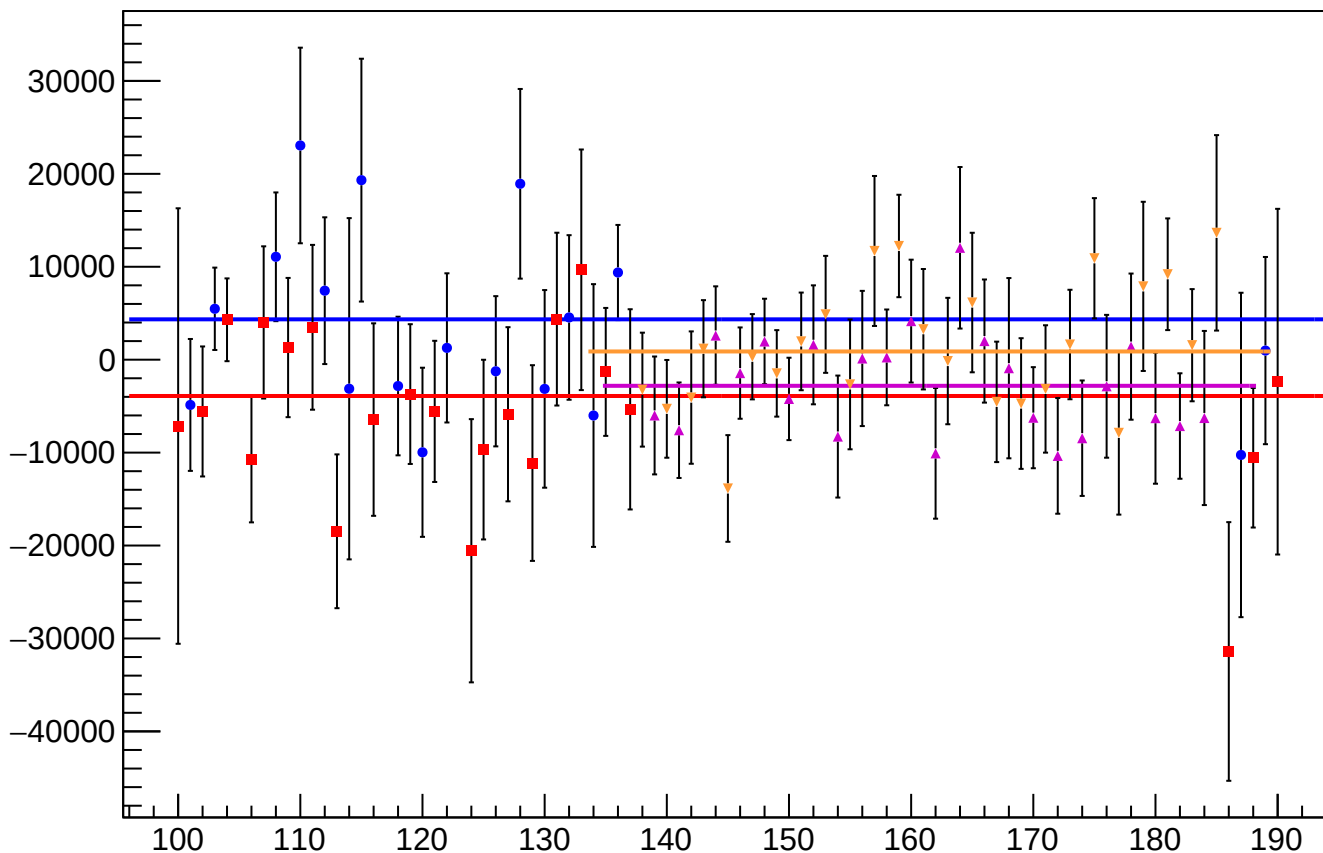
Left In: 5302.858 $\pm$ 0.893 χ^2 /NDF:1152380.1/22

+ sign 5262.459 $\pm$ 0.728 χ^2 /NDF: 1723242.1/42

All: 5204.408 $\pm$ 0.510 χ^2 /NDF: 4414330.6/87

- sign 5148.535 $\pm$ 0.714 χ^2 /NDF: 2678595.3/44

asym_usr_atr2_avg_mean vs Slug



Right In: 4342.359+/-1910.949 χ^2/NDF : 16.4/17

Left Out: 885.482+/-1246.500 χ^2/NDF : 25.7/24

Right Out: -3906.586+/-1802.215 χ^2/NDF : 18.8/21

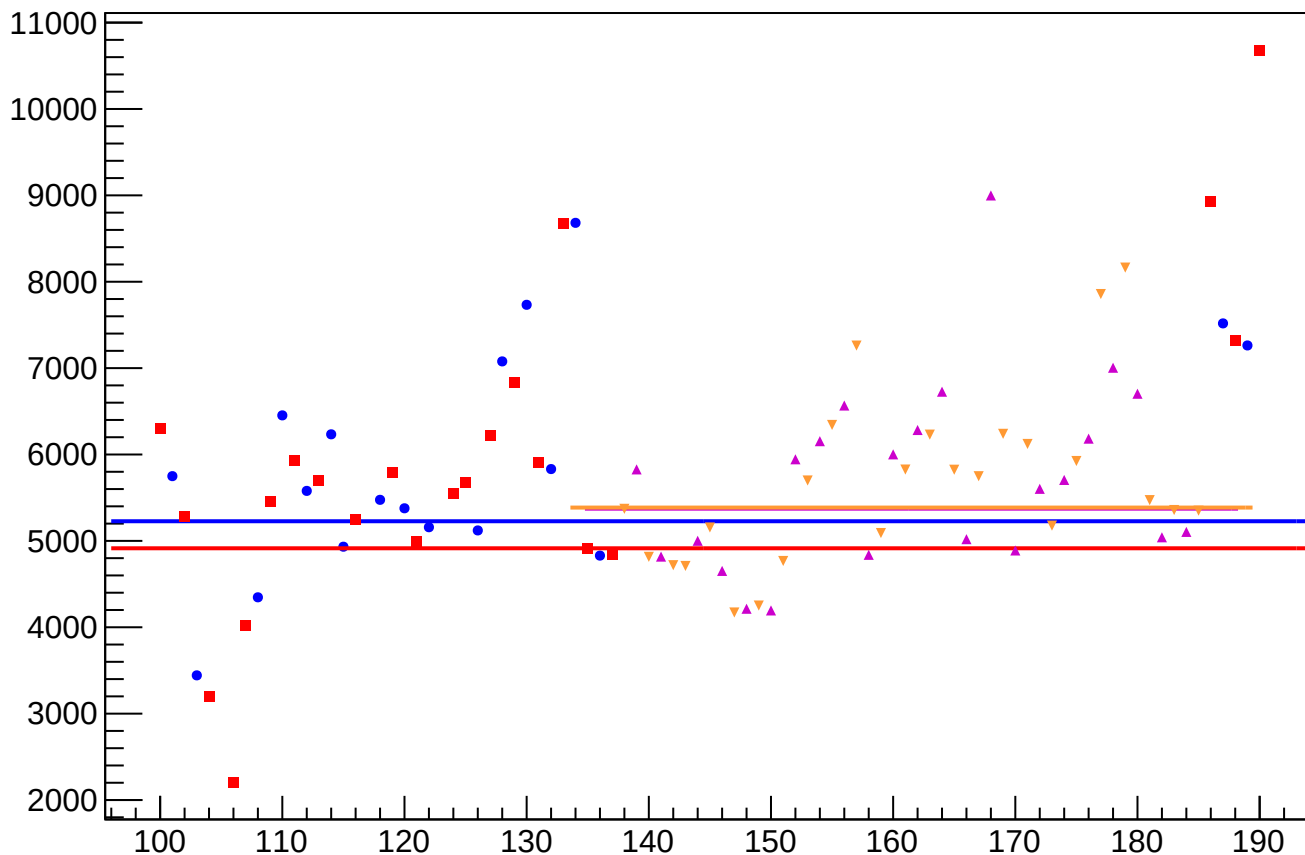
Left In: -2810.702+/-1277.225 χ^2/NDF : 14.7/22

+ sign 1917.309+/-1044.024 χ^2/NDF : 44.3/42

All: -634.670+/-737.544 χ^2/NDF : 90.0/87

- sign -3177.092+/-1042.068 χ^2/NDF : 33.7/44

asym_usr_atr2_avg_rms vs Slug



Right In: 5227.392+/-1.351 χ^2/NDF : 842255.2/17

Left Out: 5385.653+/-0.881 χ^2/NDF : 987089.3/24

Right Out: 4914.364+/-1.229 χ^2/NDF : 1950836.4/21

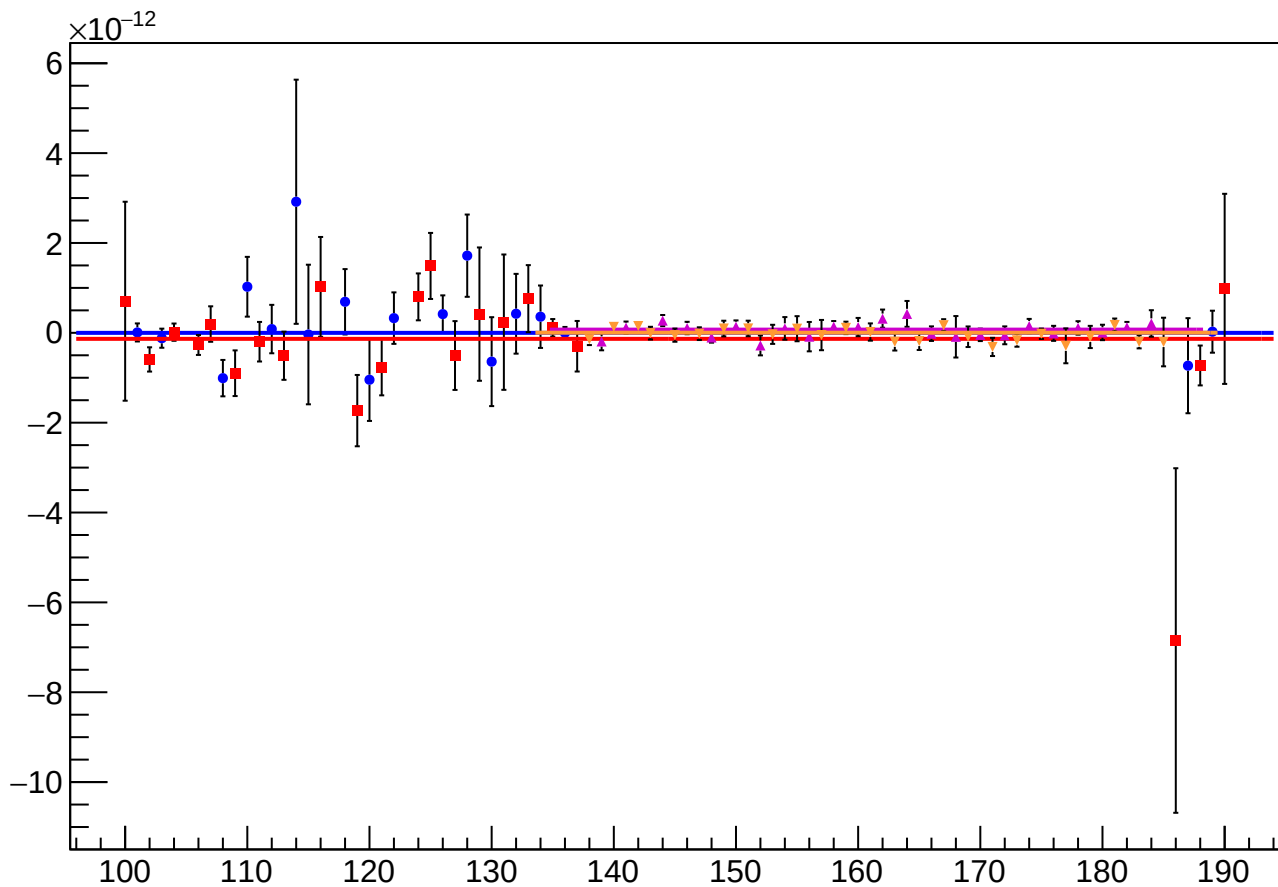
Left In: 5372.867+/-0.903 χ^2/NDF : 1071821.2/22

+ sign 5338.414+/-0.738 χ^2/NDF : 1838967.6/42

All: 5274.394+/-0.518 χ^2/NDF : 4966793.2/87

- sign 5212.162+/-0.728 χ^2/NDF : 3112994.7/44

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 18.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:18.3/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 30.4/21

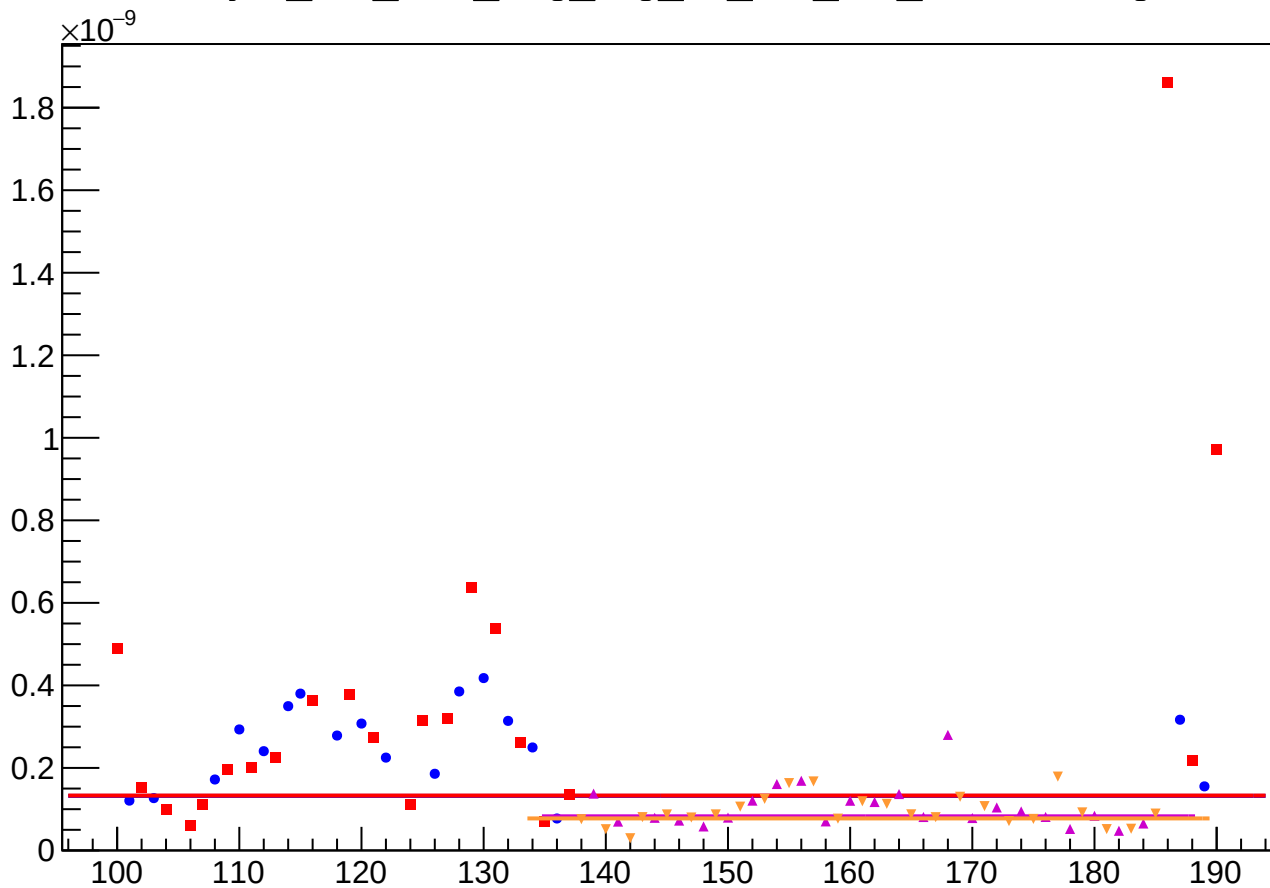
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 88.7/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 51.0/44

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1396017.2/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2537938.6/21

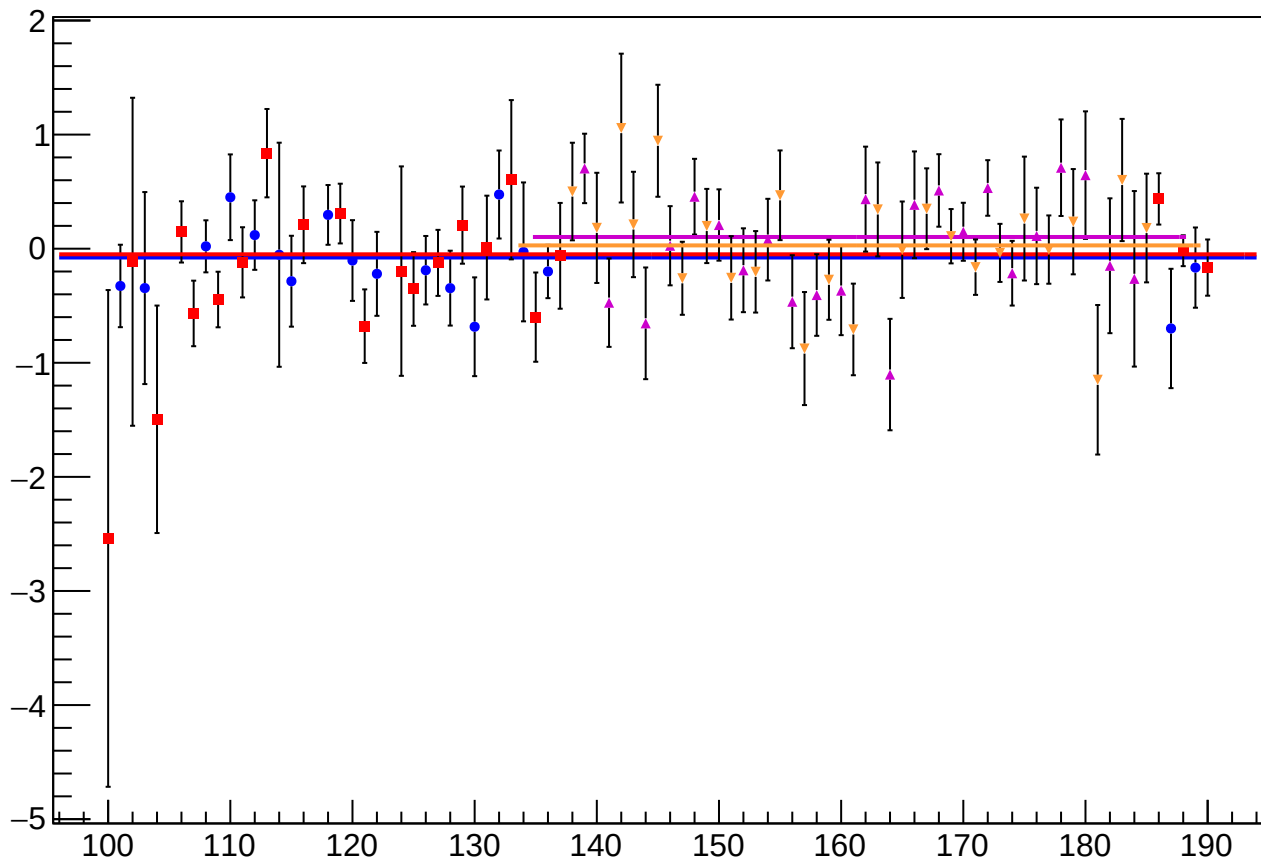
Left In: 0.000+/-0.000 χ^2/NDF : 1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 3766125.6/42

All: 0.000+/-0.000 χ^2/NDF : 8453436.8/87

- sign 0.000+/-0.000 χ^2/NDF : 4660817.0/44

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.077 ± 0.082 χ^2/NDF : 12.2/17

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.049 ± 0.065 χ^2/NDF : 30.8/21

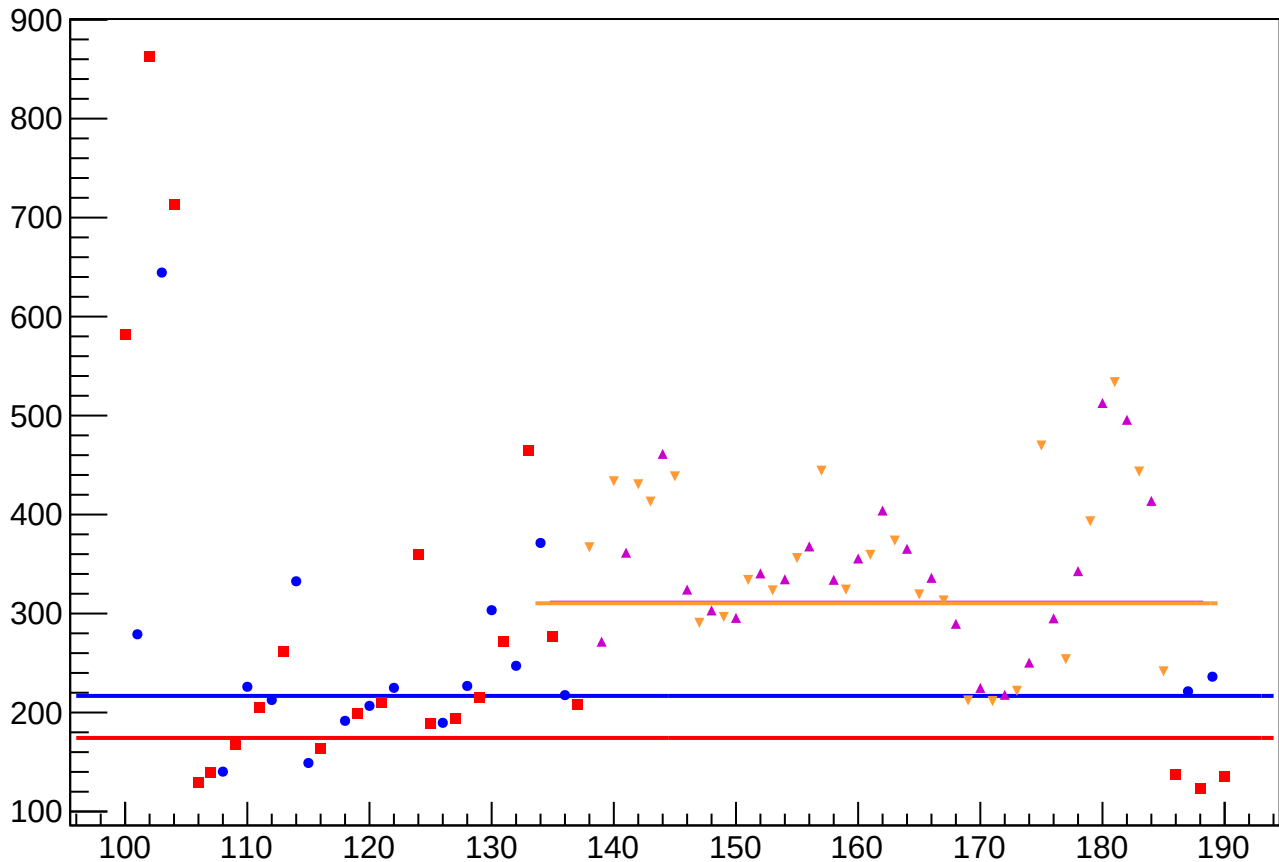
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign -0.019 ± 0.055 χ^2/NDF : 38.5/42

All: -0.000 ± 0.037 χ^2/NDF : 104.0/87

- sign 0.015 ± 0.050 χ^2/NDF : 65.3/44

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 216.789 +/- 0.058 χ^2/NDF : 1155417.1/17

Left Out: 310.359 +/- 0.053 χ^2/NDF : 2363086.4/24

Right Out: 174.324 +/- 0.046 χ^2/NDF : 2467297.2/21

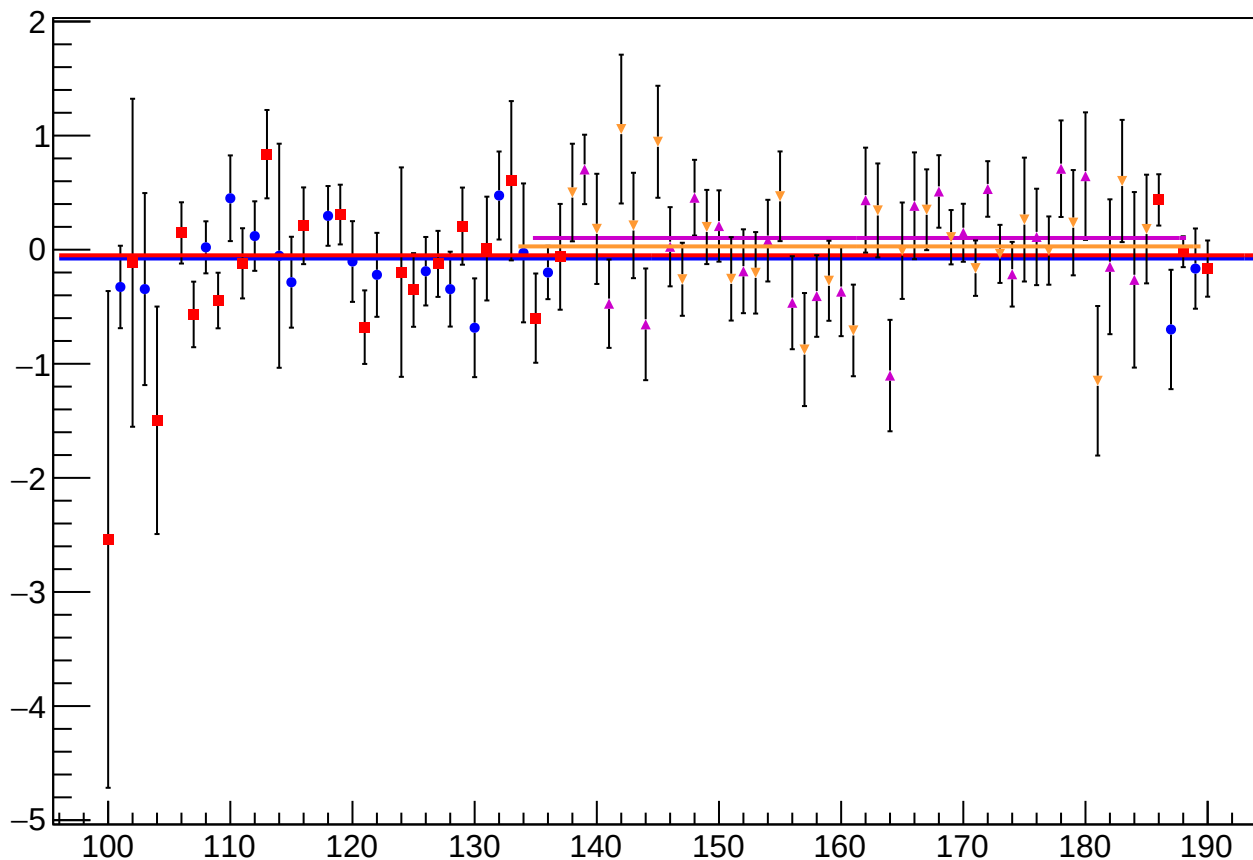
Left In: 310.960 +/- 0.054 χ^2/NDF : 1600370.0/22

+ sign 267.957 +/- 0.039 χ^2/NDF : 4941788.9/42

All: 248.051 +/- 0.026 χ^2/NDF : 13188759.7/87

- sign 232.020 +/- 0.035 χ^2/NDF : 7777695.4/44

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.077 ± 0.082 χ^2/NDF : 12.2/17

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.049 ± 0.065 χ^2/NDF : 30.8/21

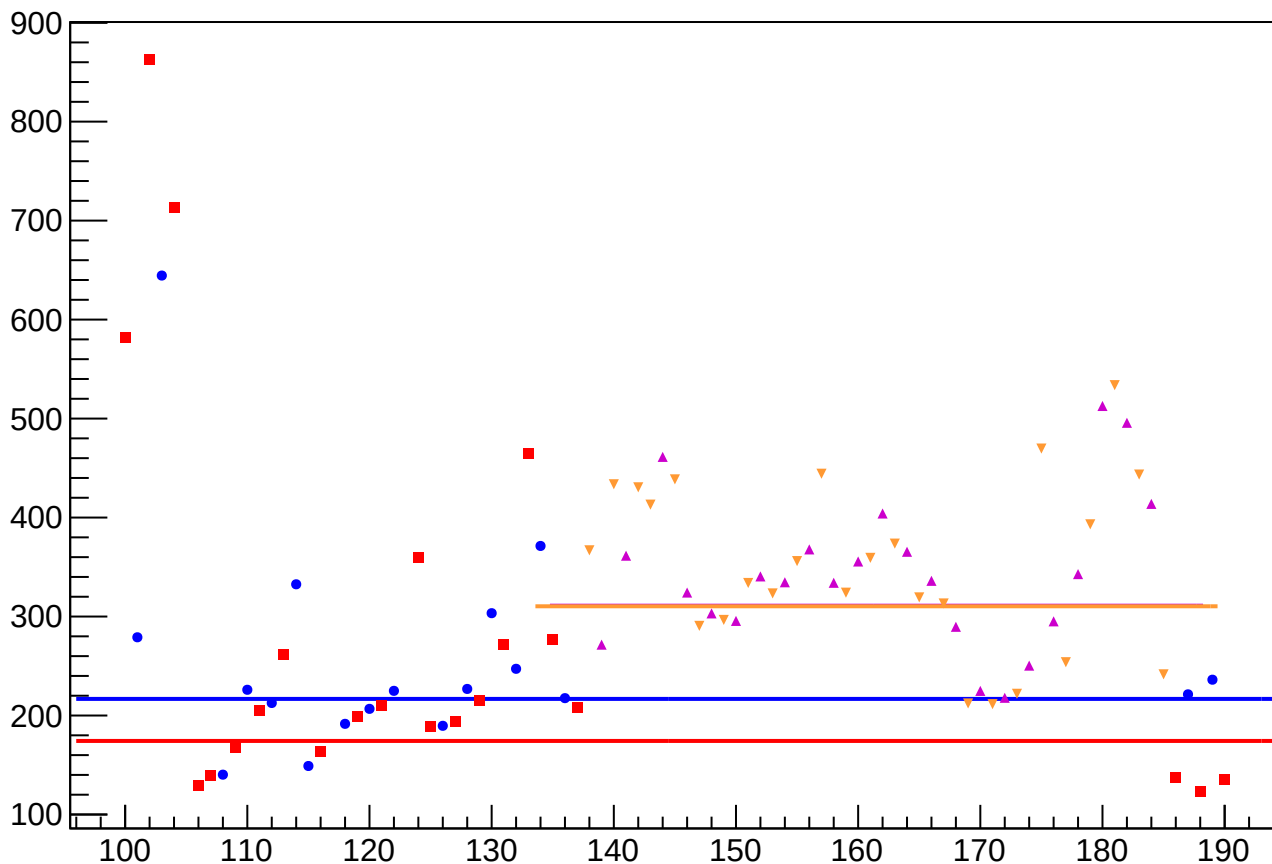
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign -0.019 ± 0.055 χ^2/NDF : 38.5/42

All: -0.000 ± 0.037 χ^2/NDF : 104.0/87

- sign 0.015 ± 0.050 χ^2/NDF : 65.3/44

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 216.789 $\pm$ 0.058 χ^2/NDF : 1155417.1/17

Left Out: 310.359 $\pm$ 0.053 χ^2/NDF : 2363086.4/24

Right Out: 174.324 $\pm$ 0.046 χ^2/NDF : 2467297.2/21

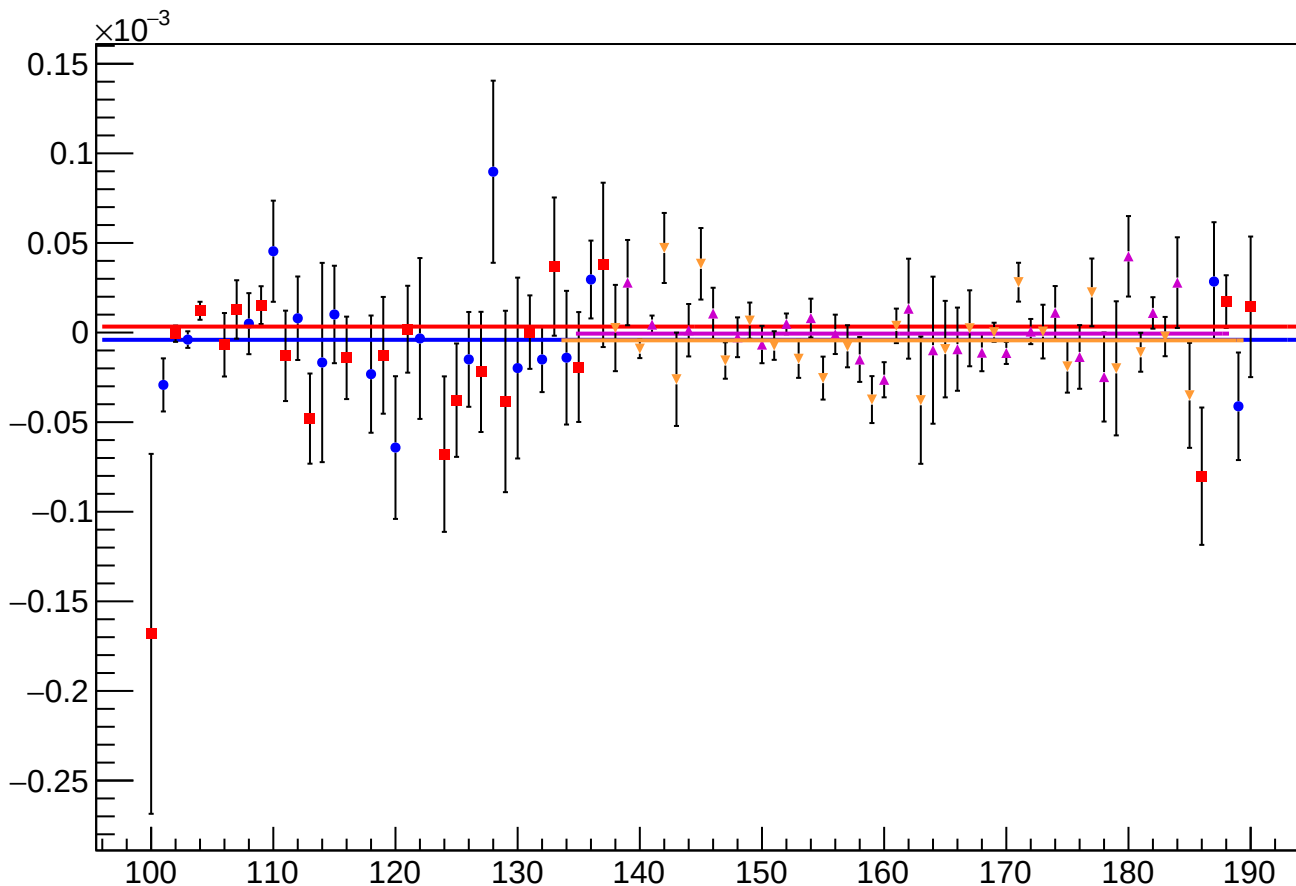
Left In: 310.960 $\pm$ 0.054 χ^2/NDF : 1600370.0/22

+ sign 267.957 $\pm$ 0.039 χ^2/NDF : 4941788.9/42

All: 248.051 $\pm$ 0.026 χ^2/NDF : 13188759.7/87

- sign 232.020 $\pm$ 0.035 χ^2/NDF : 7777695.4/44

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 18.4/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 42.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 27.4/21

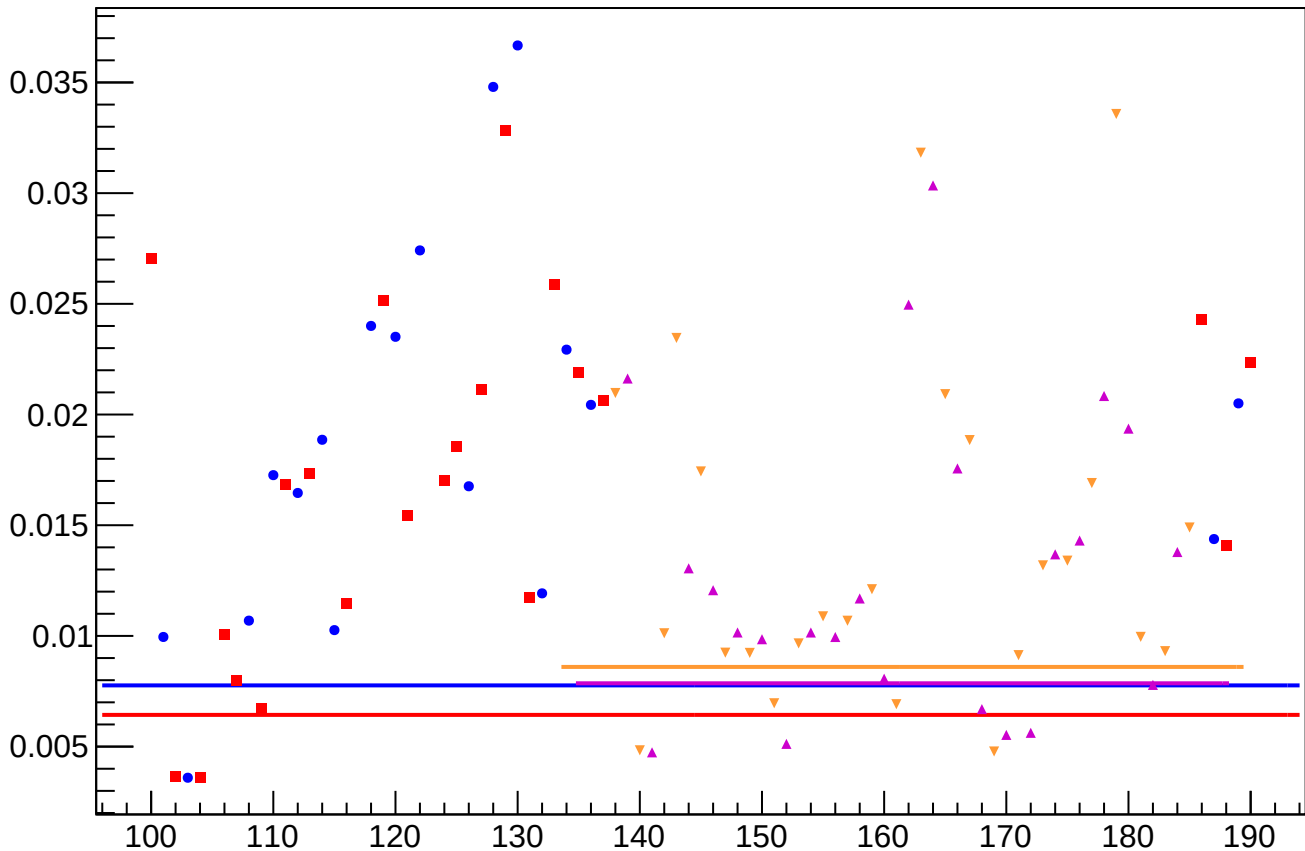
Left In: -0.000 ± 0.000 χ^2/NDF : 26.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 60.8/42

All: -0.000 ± 0.000 χ^2/NDF : 119.8/87

- sign 0.000 ± 0.000 χ^2/NDF : 55.1/44

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 6527987.9/17

Left Out: 0.009+/-0.000 χ^2/NDF : 7653564.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 7294743.3/21

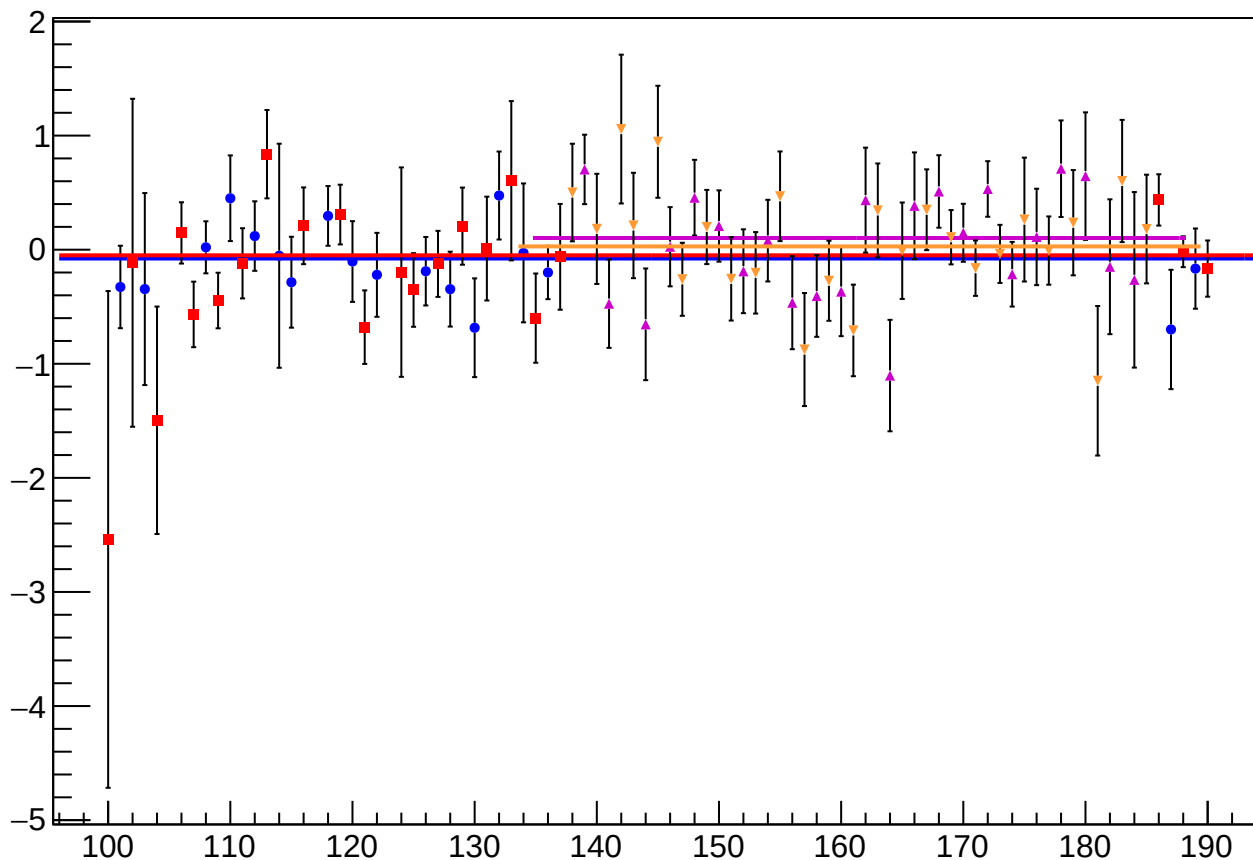
Left In: 0.008+/-0.000 χ^2/NDF : 6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF : 14254819.9/42

All: 0.008+/-0.000 χ^2/NDF : 28978782.1/87

- sign 0.007+/-0.000 χ^2/NDF : 14397814.4/44

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.077 ± 0.082 χ^2/NDF : 12.2/17

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.049 ± 0.065 χ^2/NDF : 30.8/21

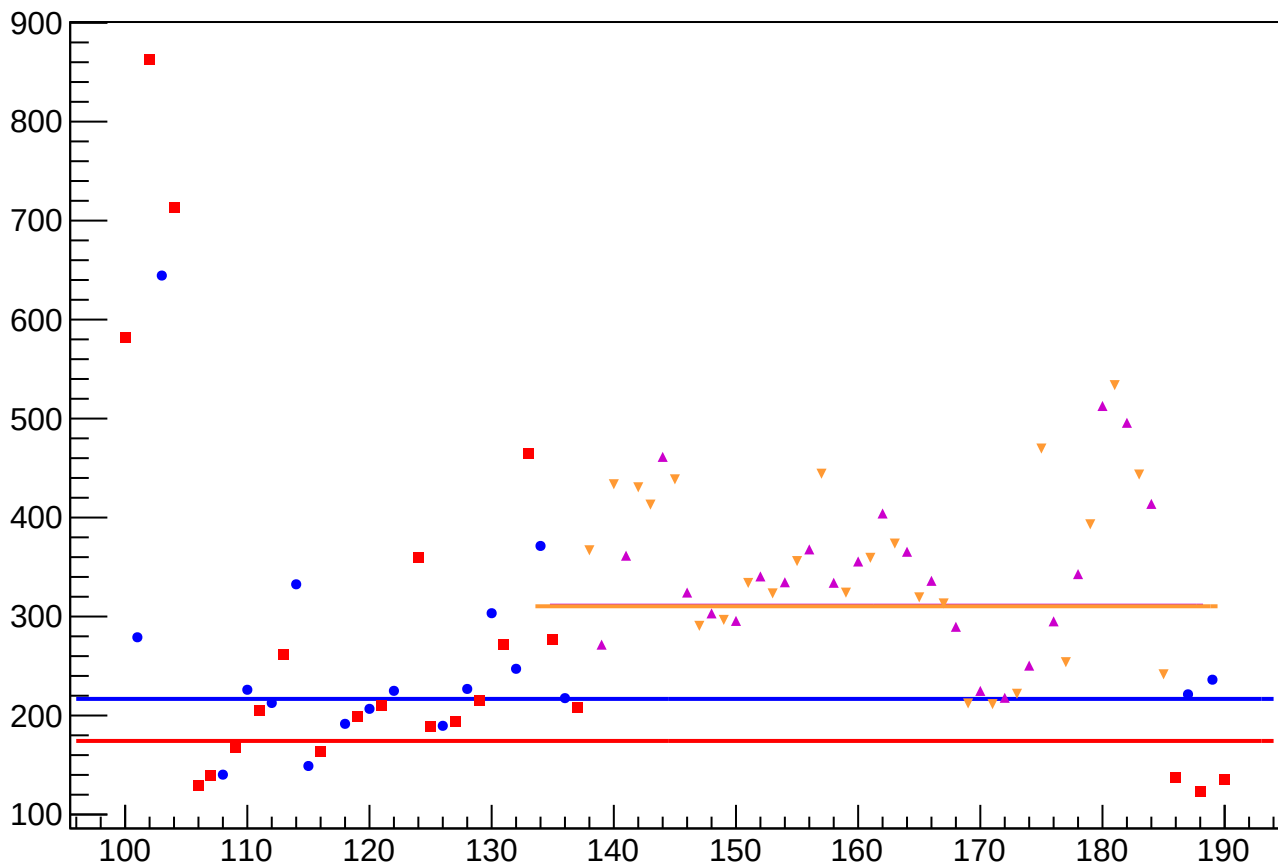
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign -0.019 ± 0.055 χ^2/NDF : 38.5/42

All: -0.000 ± 0.037 χ^2/NDF : 104.0/87

- sign 0.015 ± 0.050 χ^2/NDF : 65.3/44

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 216.788+/-0.058 χ^2/NDF : 1155392.9/17

Left Out: 310.362+/-0.053 χ^2/NDF : 2363148.8/24

Right Out: 174.321+/-0.046 χ^2/NDF : 2467337.3/21

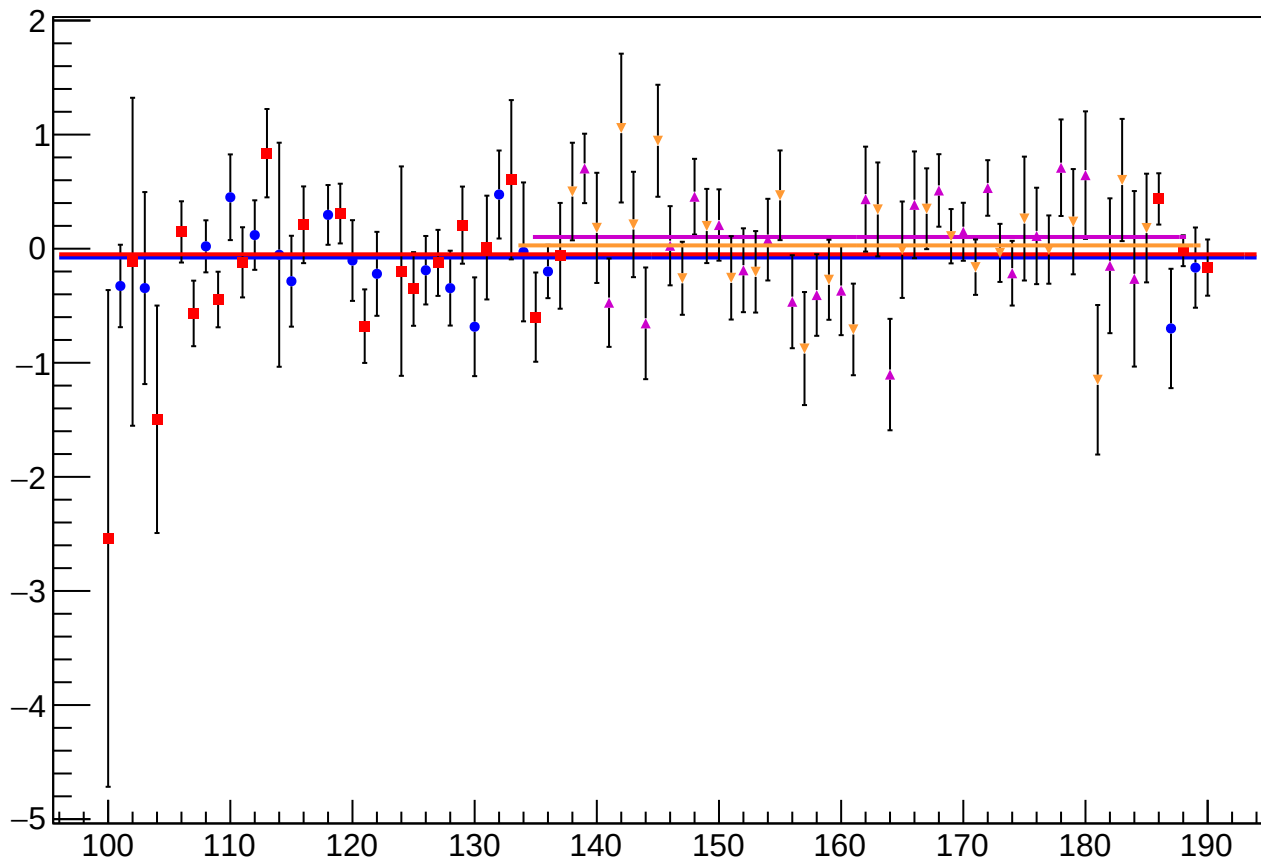
Left In: 310.963+/-0.054 χ^2/NDF : 1600401.1/22

+ sign 267.958+/-0.039 χ^2/NDF : 4941950.4/42

All: 248.050+/-0.026 χ^2/NDF : 13189385.1/87

- sign 232.019+/-0.035 χ^2/NDF : 7778097.0/44

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.077 ± 0.082 χ^2/NDF : 12.2/17

Left Out: 0.029 ± 0.075 χ^2/NDF : 25.3/24

Right Out: -0.049 ± 0.065 χ^2/NDF : 30.8/21

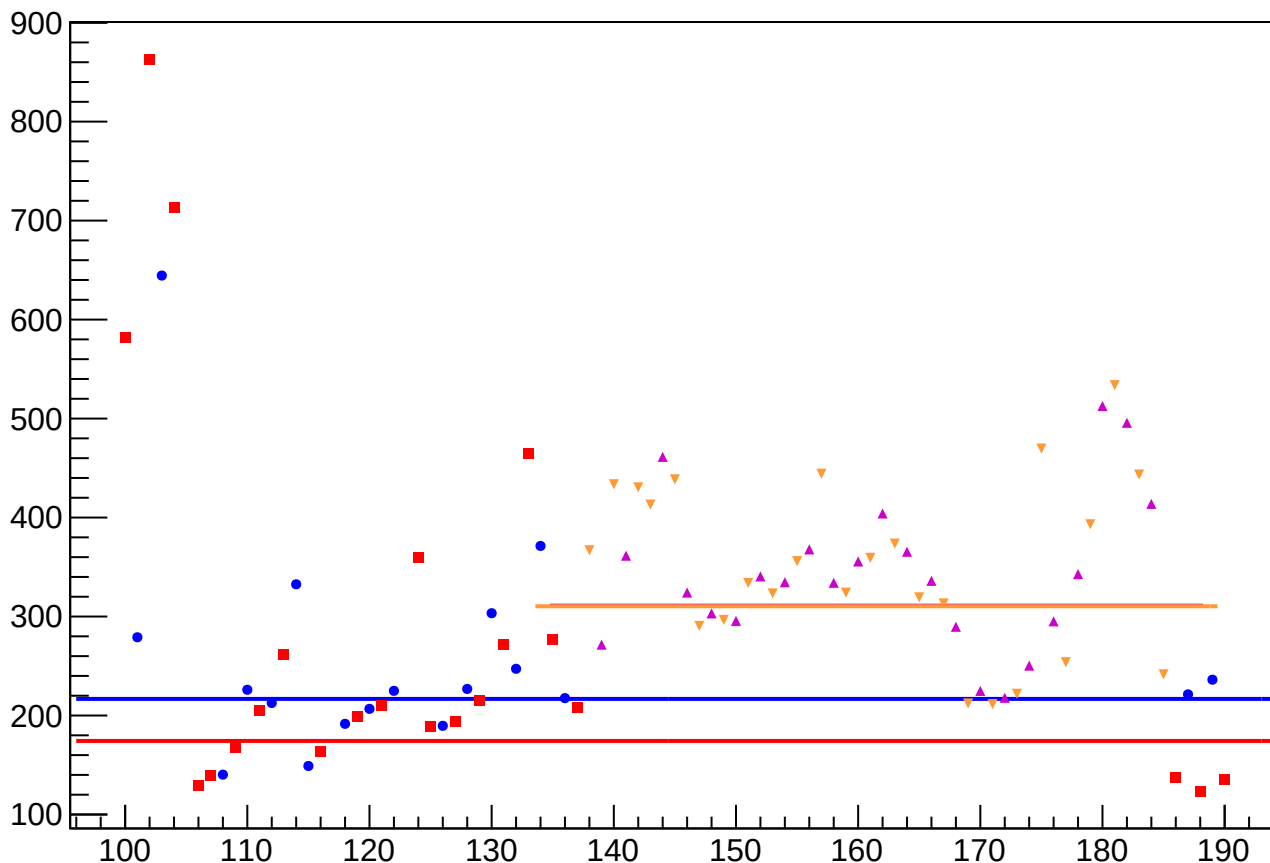
Left In: 0.103 ± 0.076 χ^2/NDF : 32.3/22

+ sign -0.019 ± 0.055 χ^2/NDF : 38.5/42

All: -0.000 ± 0.037 χ^2/NDF : 104.0/87

- sign 0.015 ± 0.050 χ^2/NDF : 65.3/44

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 216.788 $\pm$ 0.058 χ^2 /NDF: 1155392.9/17

Left Out: 310.362 $\pm$ 0.053 χ^2 /NDF: 2363148.8/24

Right Out: 174.321 $\pm$ 0.046 χ^2 /NDF: 2467337.3/21

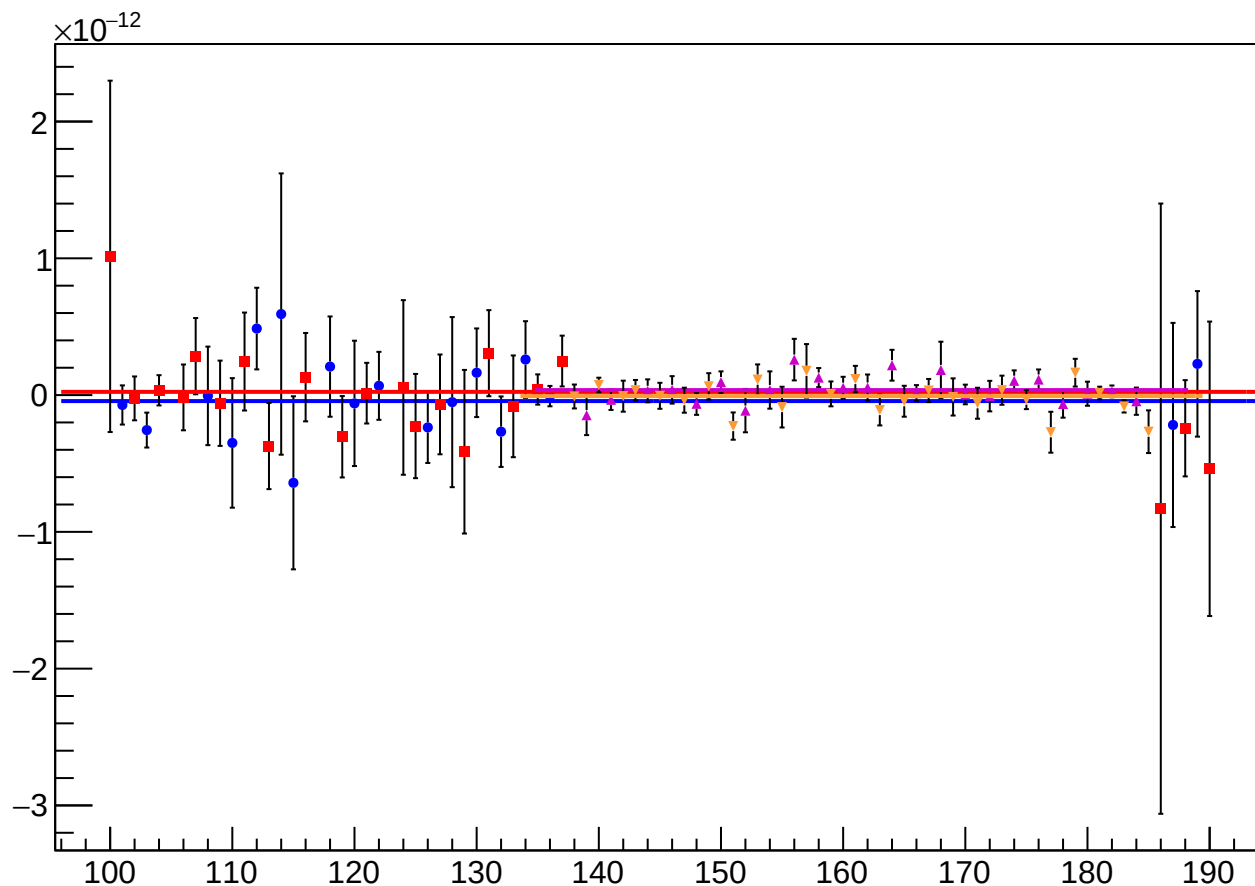
Left In: 310.963 $\pm$ 0.054 χ^2 /NDF: 1600401.1/22

+ sign 267.958 $\pm$ 0.039 χ^2 /NDF: 4941950.4/42

All: 248.050 $\pm$ 0.026 χ^2 /NDF: 13189385.1/87

- sign 232.019 $\pm$ 0.035 χ^2 /NDF: 7778097.0/44

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.8/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 25.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 9.4/21

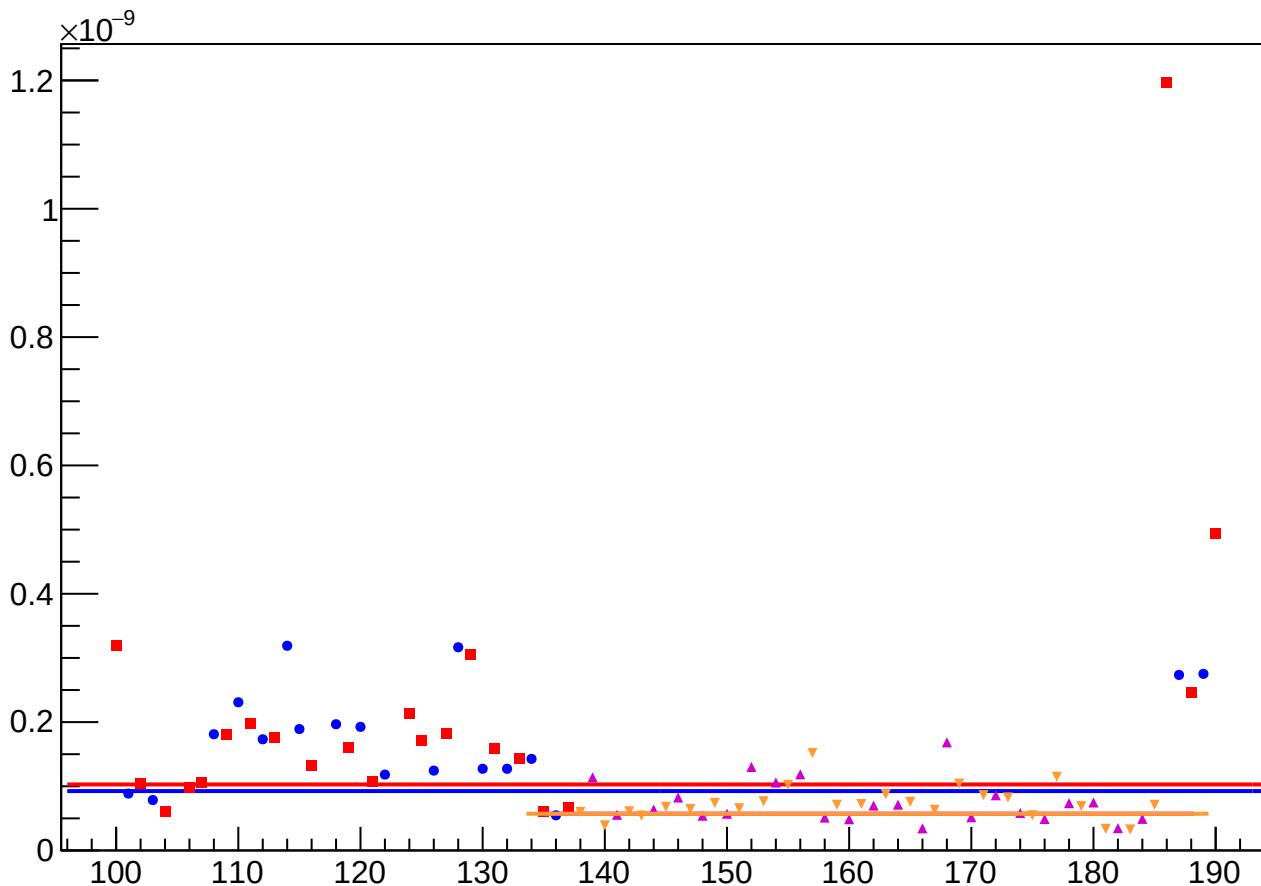
Left In: 0.000 ± 0.000 χ^2/NDF : 16.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 38.0/42

All: 0.000 ± 0.000 χ^2/NDF : 68.3/87

- sign 0.000 ± 0.000 χ^2/NDF : 26.2/44

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2166217.2/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2787417.5/21

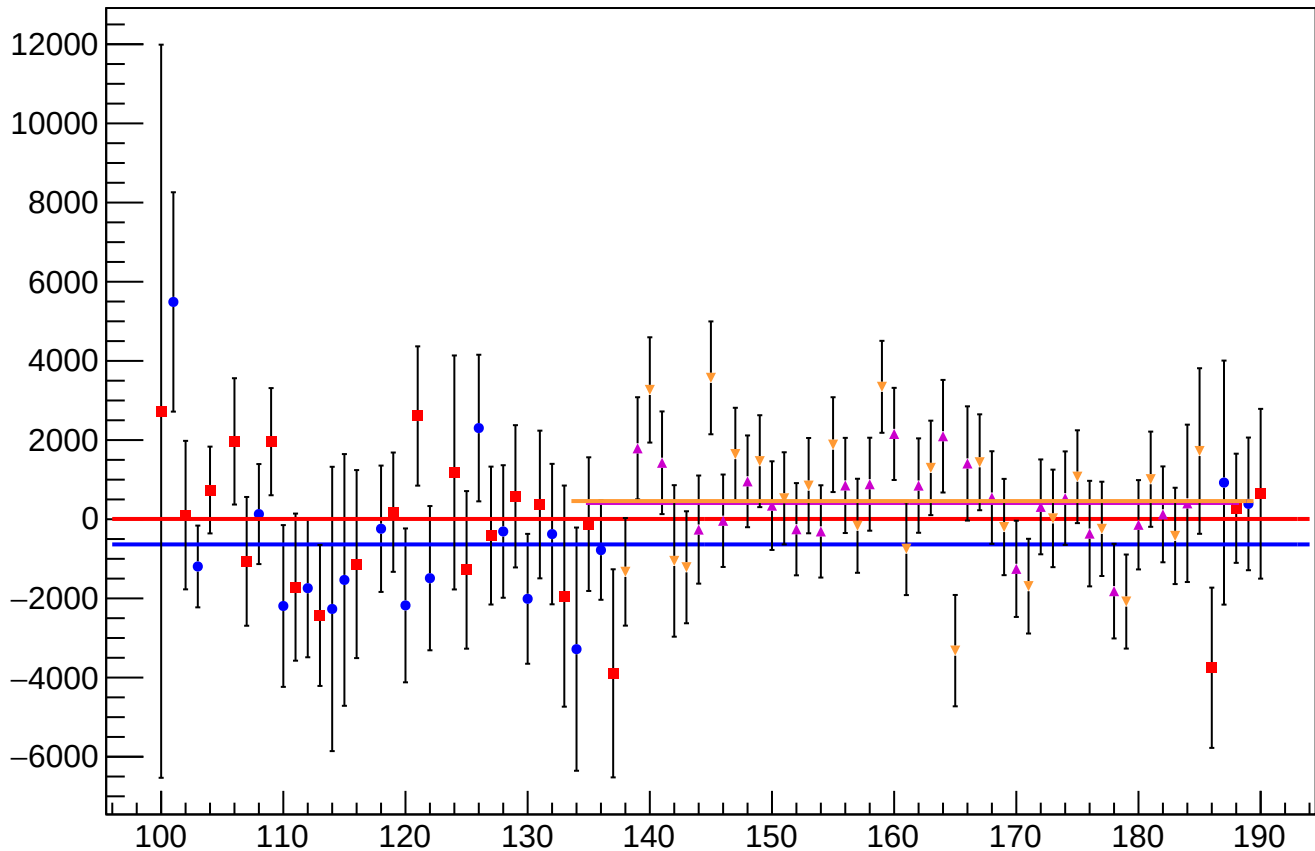
Left In: 0.000+/-0.000 χ^2/NDF : 3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 6409939.2/42

All: 0.000+/-0.000 χ^2/NDF : 13903386.6/87

- sign 0.000+/-0.000 χ^2/NDF : 7488616.6/44

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -636.140 $\pm$ 410.443 χ^2 /NDF: 12.4/17

Left Out: 458.782 $\pm$ 251.538 χ^2 /NDF:42.1/24

Right Out: 7.194 $\pm$ 380.839 χ^2 /NDF: 16.8/21

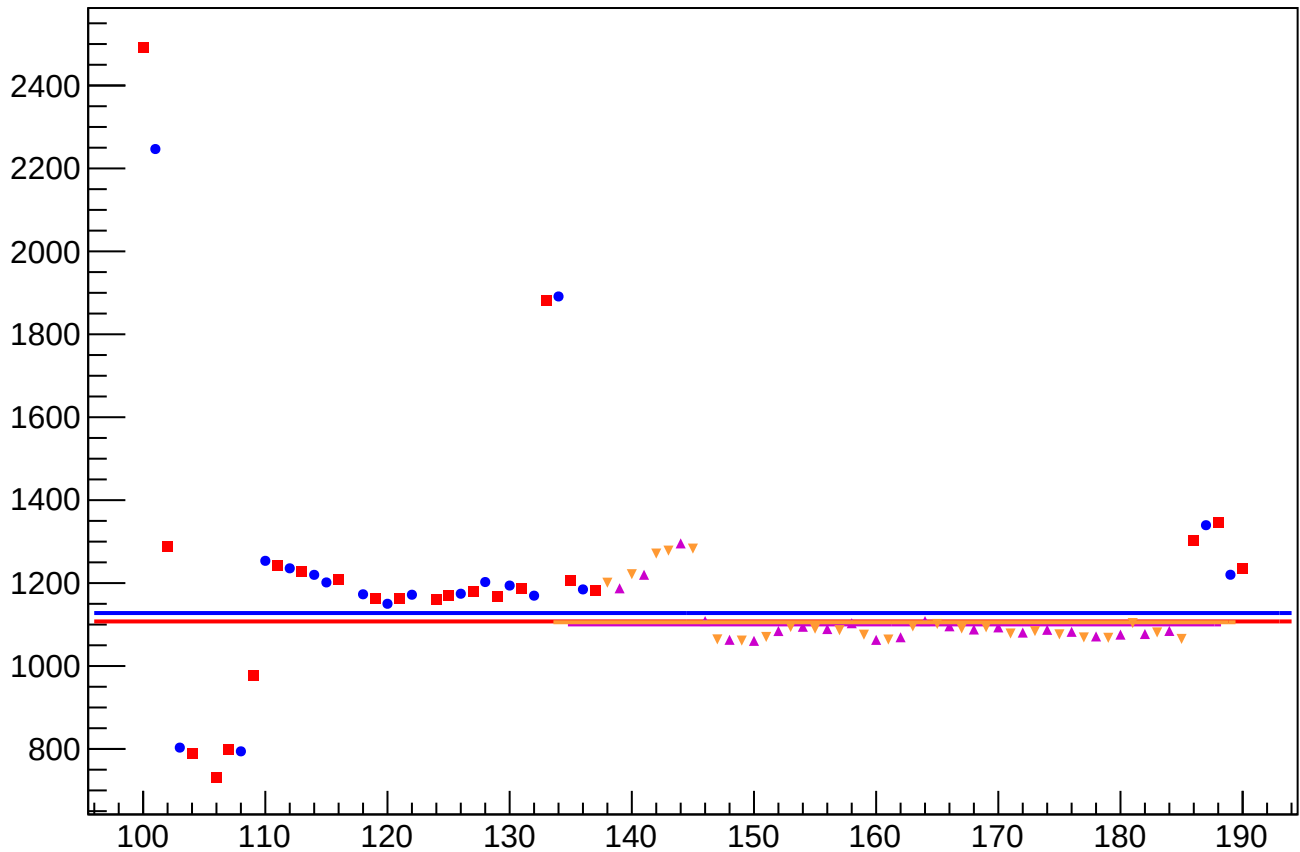
Left In: 411.262 $\pm$ 257.201 χ^2 /NDF:13.7/22

+ sign 159.832 $\pm$ 214.467 χ^2 /NDF: 59.6/42

All: 222.649 $\pm$ 151.182 χ^2 /NDF: 91.0/87

- sign 284.694 $\pm$ 213.146 χ^2 /NDF: 31.2/44

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1127.762 $\pm$ 0.290 χ^2 /NDF: 836467.7/17

Left Out: 1105.549 $\pm$ 0.178 χ^2 /NDF: 121950.0/24

Right Out: 1107.508 $\pm$ 0.267 χ^2 /NDF: 748076.6/21

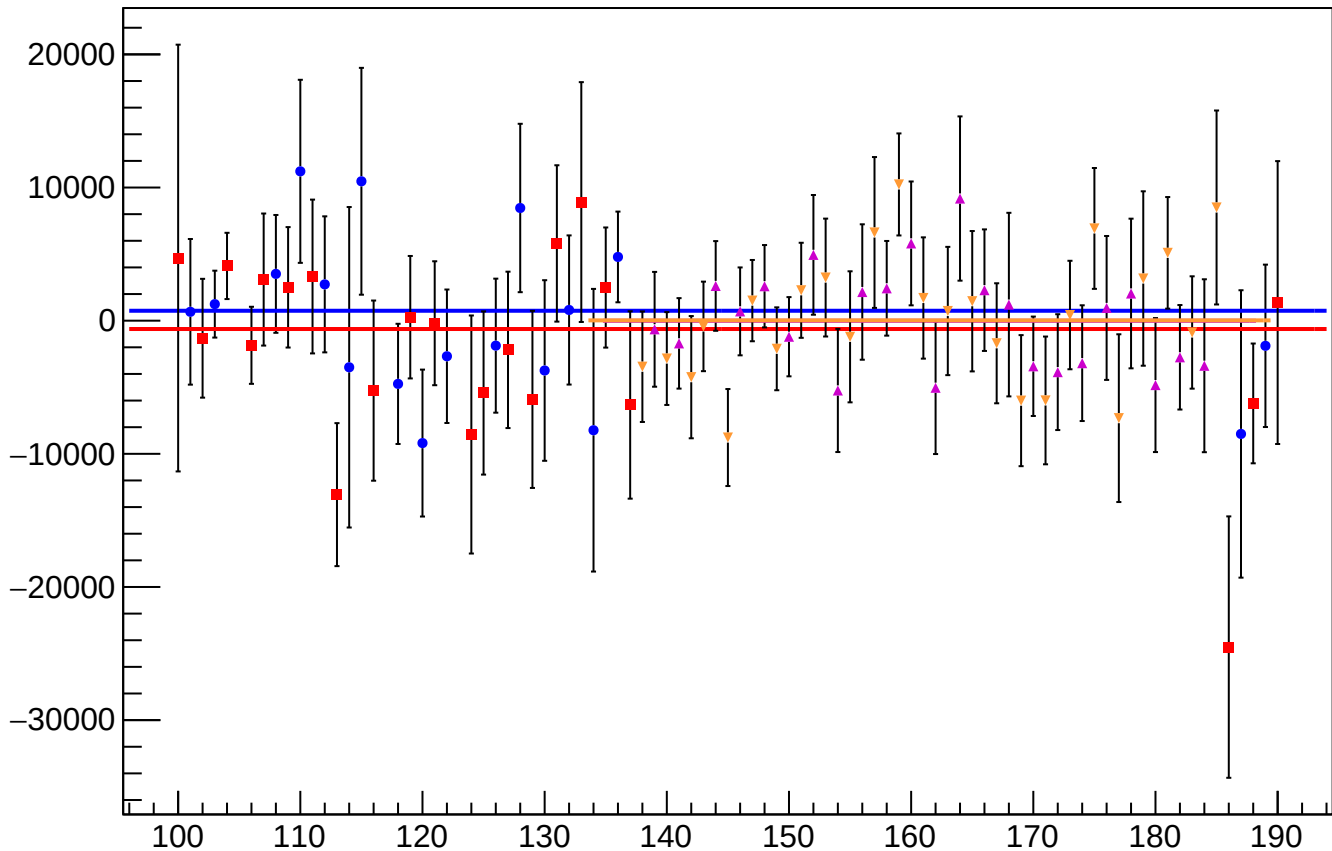
Left In: 1100.350 $\pm$ 0.182 χ^2 /NDF: 80240.5/22

+ sign 1111.614 $\pm$ 0.152 χ^2 /NDF: 962676.0/42

All: 1107.076 $\pm$ 0.107 χ^2 /NDF: 1793258.8/87

- sign 1102.614 $\pm$ 0.150 χ^2 /NDF: 828807.1/44

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 745.410 ± 1200.811 χ^2/NDF : 14.8/17

Left Out: 23.368 ± 850.404 χ^2/NDF : 28.5/24

Right Out: -625.563 ± 1069.280 χ^2/NDF : 24.4/21

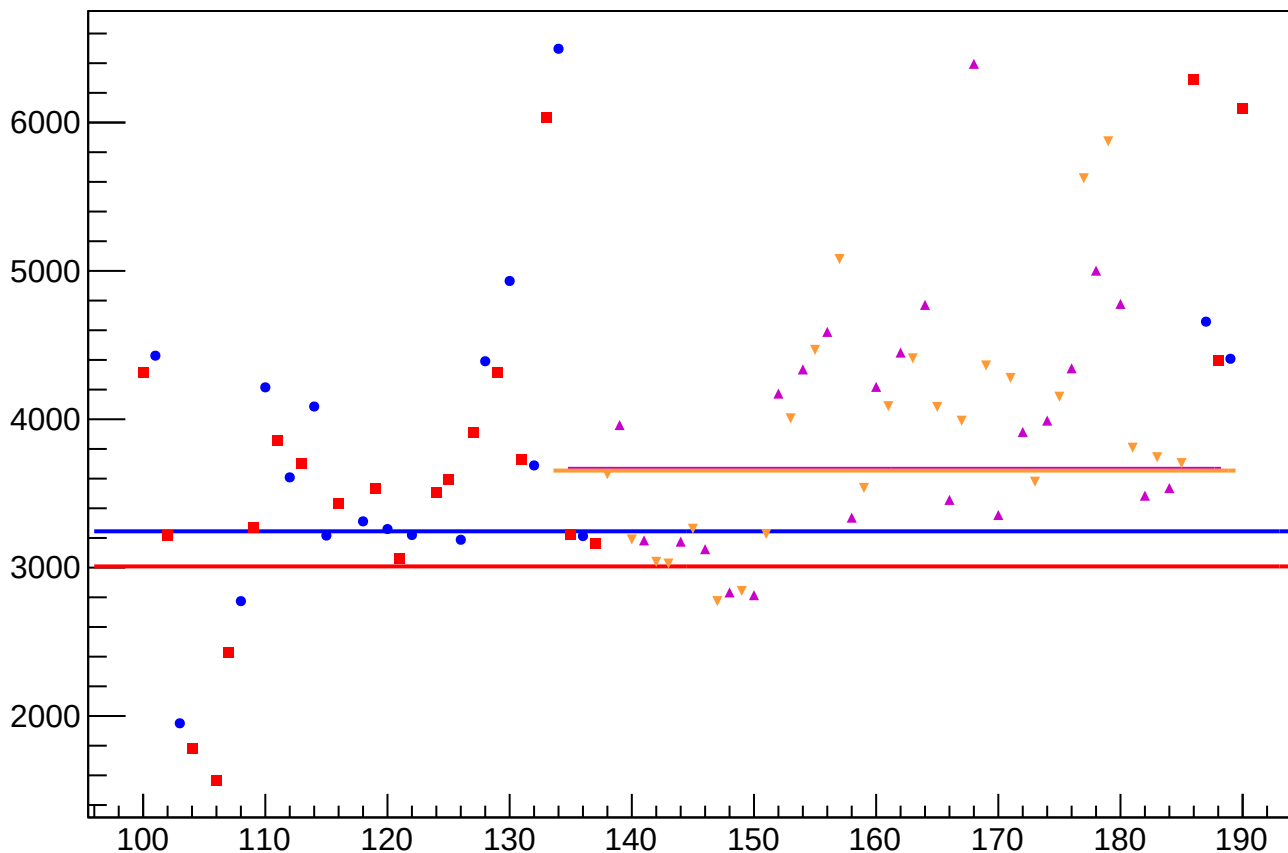
Left In: -6.317 ± 875.256 χ^2/NDF : 14.0/22

+ sign 264.541 ± 693.997 χ^2/NDF : 43.5/42

All: -1.436 ± 484.715 χ^2/NDF : 82.4/87

- sign -254.761 ± 677.289 χ^2/NDF : 38.6/44

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3244.823+/-0.849 χ^2/NDF : 1204408.4/17

Left Out: 3654.198+/-0.601 χ^2/NDF : 1311761.6/24

Right Out: 3008.312+/-0.756 χ^2/NDF : 2135719.2/21

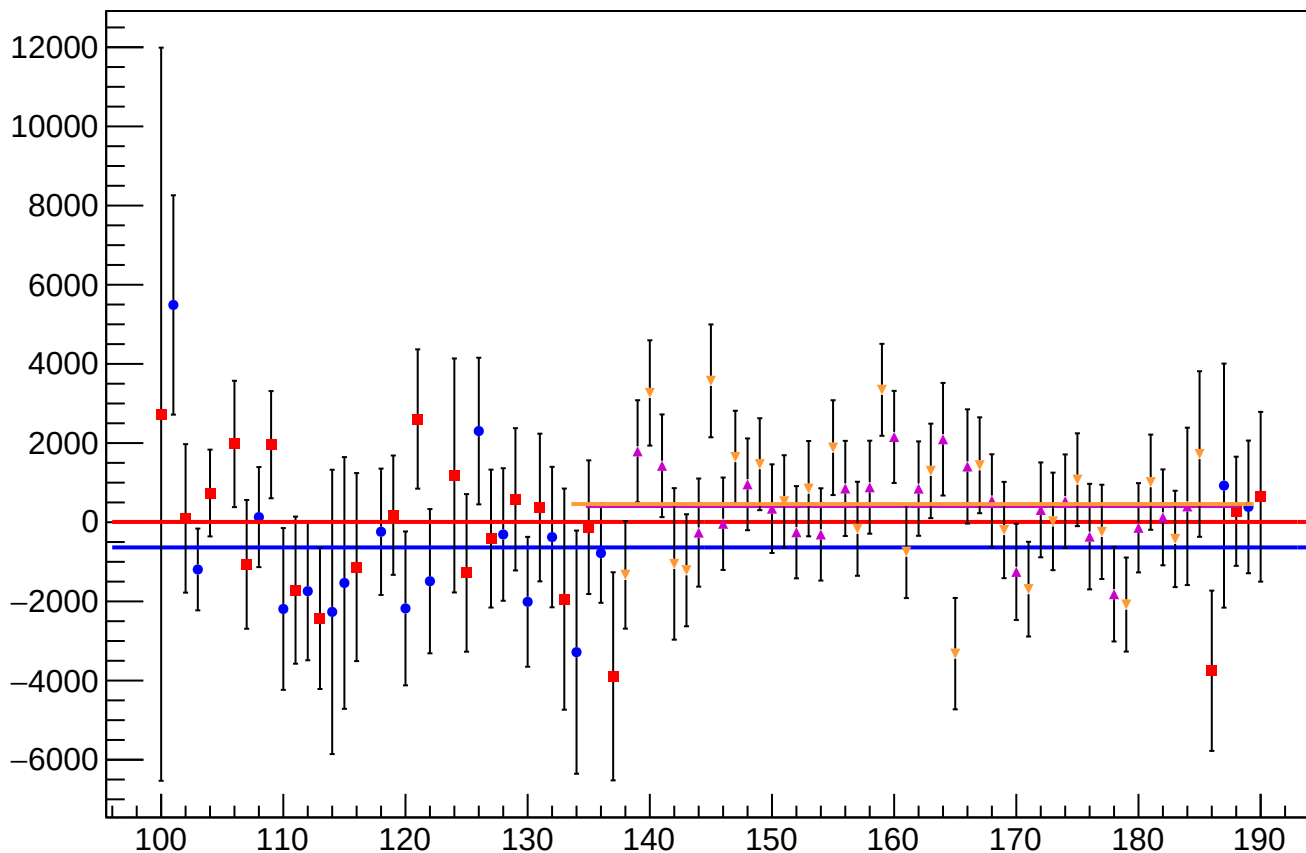
Left In: 3666.118+/-0.619 χ^2/NDF : 1343709.3/22

+ sign 3517.461+/-0.491 χ^2/NDF : 2670975.6/42

All: 3458.428+/-0.343 χ^2/NDF : 6631890.2/87

- sign 3402.203+/-0.479 χ^2/NDF : 3932660.8/44

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -636.099 ± 410.443 χ^2/NDF : 12.4/17

Left Out: 458.844 ± 251.538 χ^2/NDF : 42.1/24

Right Out: 7.433 ± 380.842 χ^2/NDF : 16.8/21

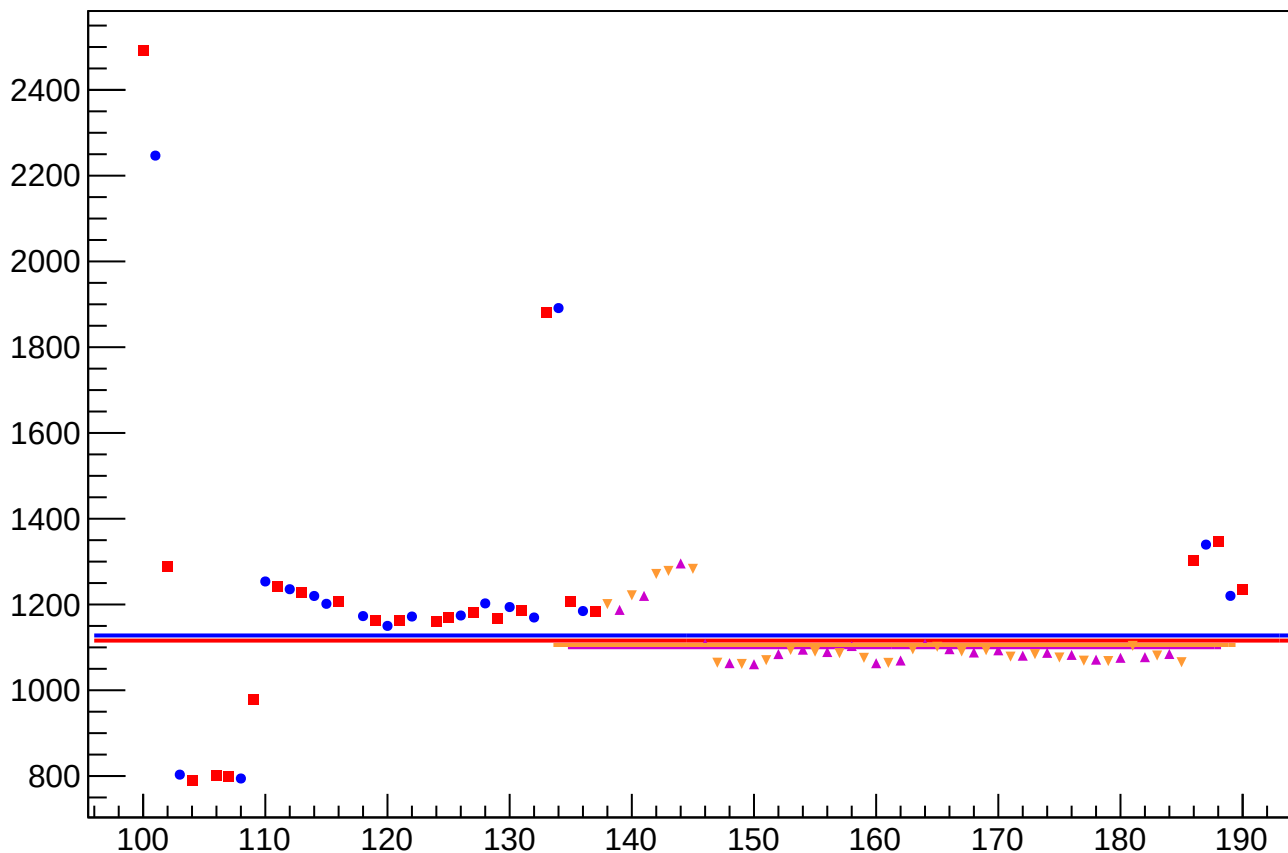
Left In: 411.165 ± 257.201 χ^2/NDF : 13.7/22

+ sign 159.888 ± 214.467 χ^2/NDF : 59.6/42

All: 222.681 ± 151.182 χ^2/NDF : 91.0/87

- sign 284.703 ± 213.146 χ^2/NDF : 31.2/44

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1127.762 $\pm$ 0.290 χ^2 /NDF: 836464.1/17

Left Out: 1105.549 $\pm$ 0.178 χ^2 /NDF: 121950.0/24

Right Out: 1115.825 $\pm$ 0.269 χ^2 /NDF: 686139.7/21

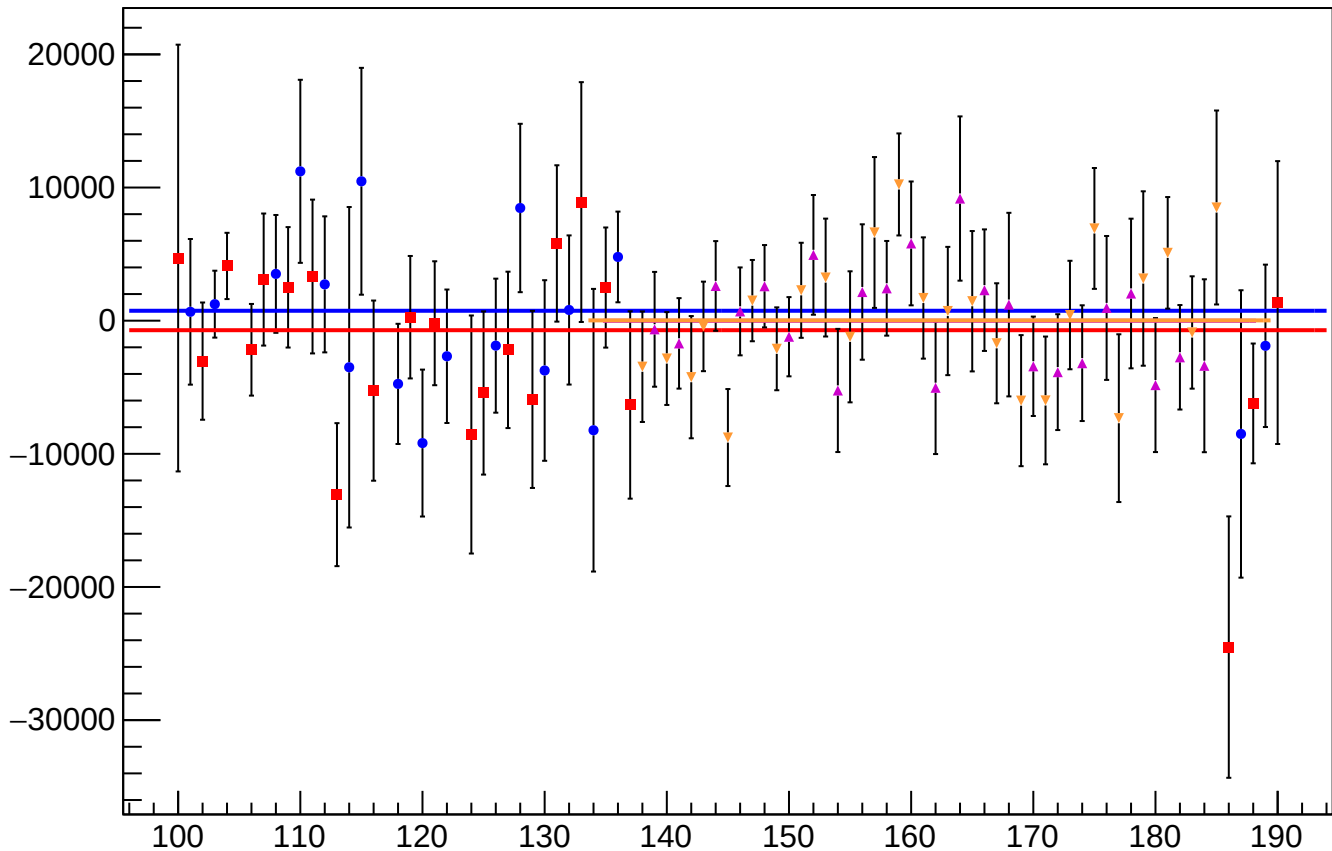
Left In: 1100.350 $\pm$ 0.182 χ^2 /NDF: 80240.5/22

+ sign 1111.614 $\pm$ 0.152 χ^2 /NDF: 962672.7/42

All: 1108.390 $\pm$ 0.107 χ^2 /NDF: 1732224.1/87

- sign 1105.208 $\pm$ 0.151 χ^2 /NDF: 768653.4/44

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 744.915 ± 1200.857 χ^2/NDF : 14.8/17

Left Out: 23.365 ± 850.403 χ^2/NDF : 28.5/24

Right Out: -714.977 ± 1090.452 χ^2/NDF : 24.7/21

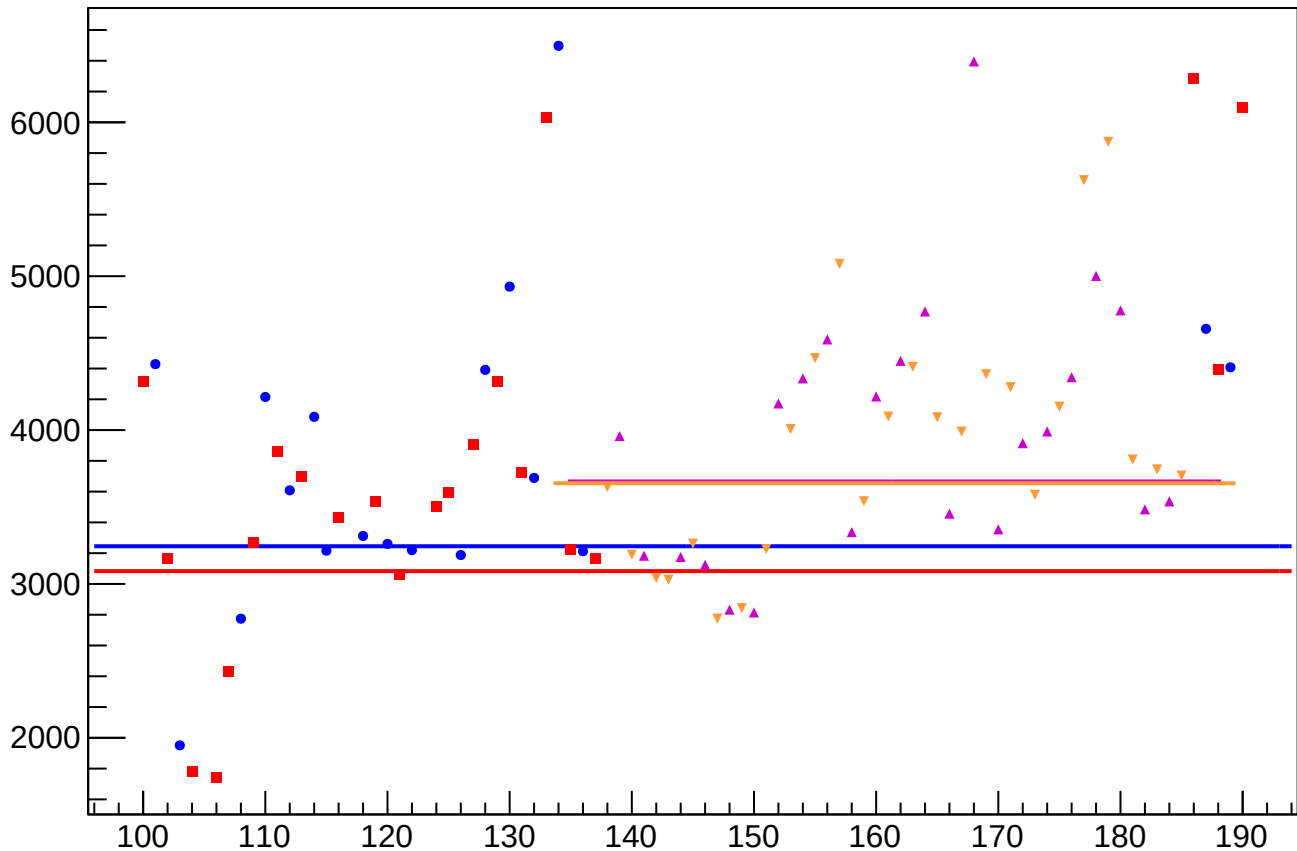
Left In: -6.368 ± 875.255 χ^2/NDF : 14.0/22

+ sign 264.360 ± 694.005 χ^2/NDF : 43.5/42

All: -14.381 ± 486.644 χ^2/NDF : 82.8/87

- sign -284.016 ± 682.575 χ^2/NDF : 39.0/44

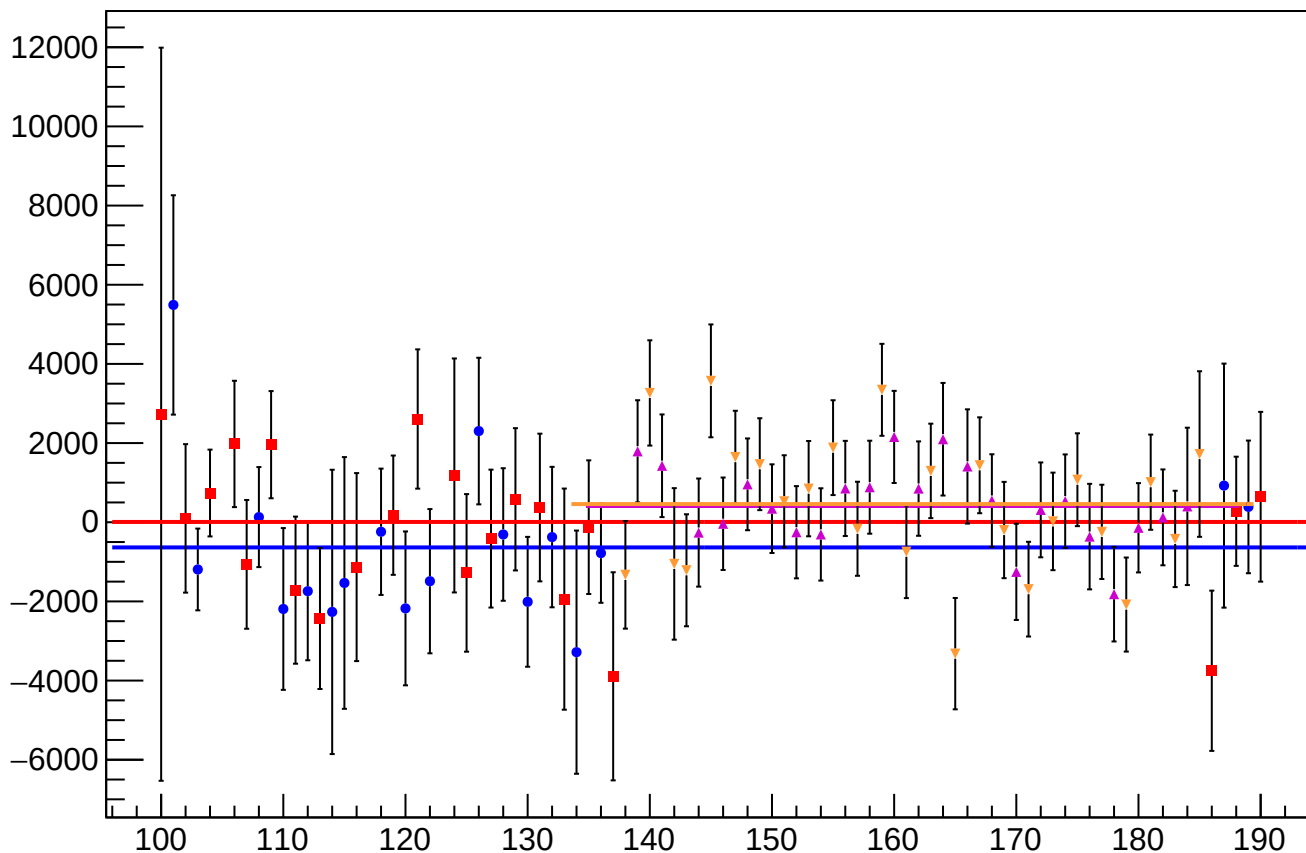
asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3245.003 $\pm$ 0.849 χ^2/NDF : 1203935.7/17
 Left Out: 3654.195 $\pm$ 0.601 χ^2/NDF : 1311769.4/24
 Right Out: 3083.295 $\pm$ 0.771 χ^2/NDF : 1897659.6/21
 Left In: 3666.114 $\pm$ 0.619 χ^2/NDF : 1343711.6/22

+ sign 3517.526 $\pm$ 0.491 χ^2/NDF : 2670365.0/42
 All: 3476.977 $\pm$ 0.344 χ^2/NDF : 6272637.3/87
 - sign 3437.753 $\pm$ 0.483 χ^2/NDF : 3588840.4/44

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -636.099 ± 410.443 χ^2/NDF : 12.4/17

Left Out: 458.844 ± 251.538 χ^2/NDF : 42.1/24

Right Out: 7.433 ± 380.842 χ^2/NDF : 16.8/21

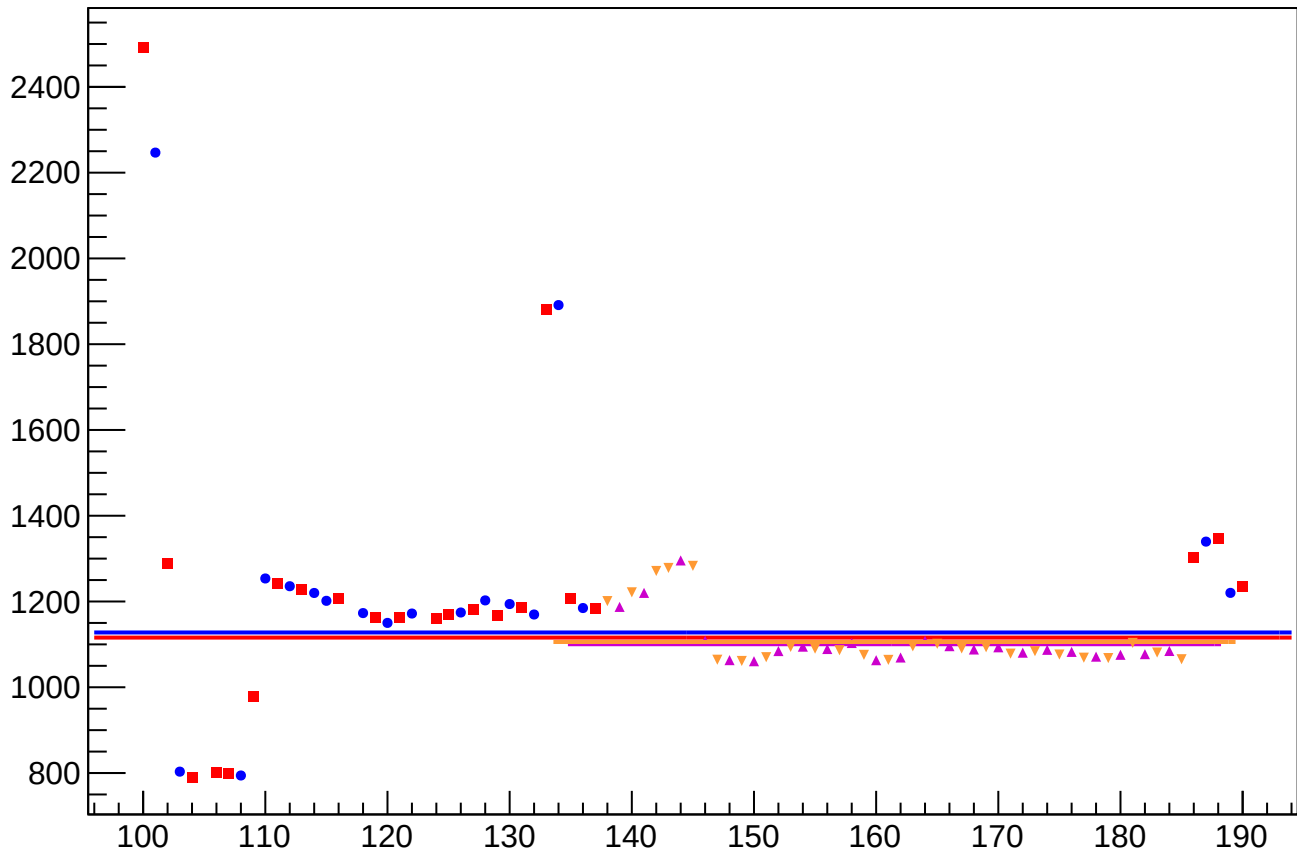
Left In: 411.165 ± 257.201 χ^2/NDF : 13.7/22

+ sign 159.888 ± 214.467 χ^2/NDF : 59.6/42

All: 222.681 ± 151.182 χ^2/NDF : 91.0/87

- sign 284.703 ± 213.146 χ^2/NDF : 31.2/44

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1127.762 $\pm$ 0.290 χ^2 /NDF: 836464.1/17

Left Out: 1105.549 $\pm$ 0.178 χ^2 /NDF:121950.0/24

Right Out: 1115.825 $\pm$ 0.269 χ^2 /NDF: 686139.7/21

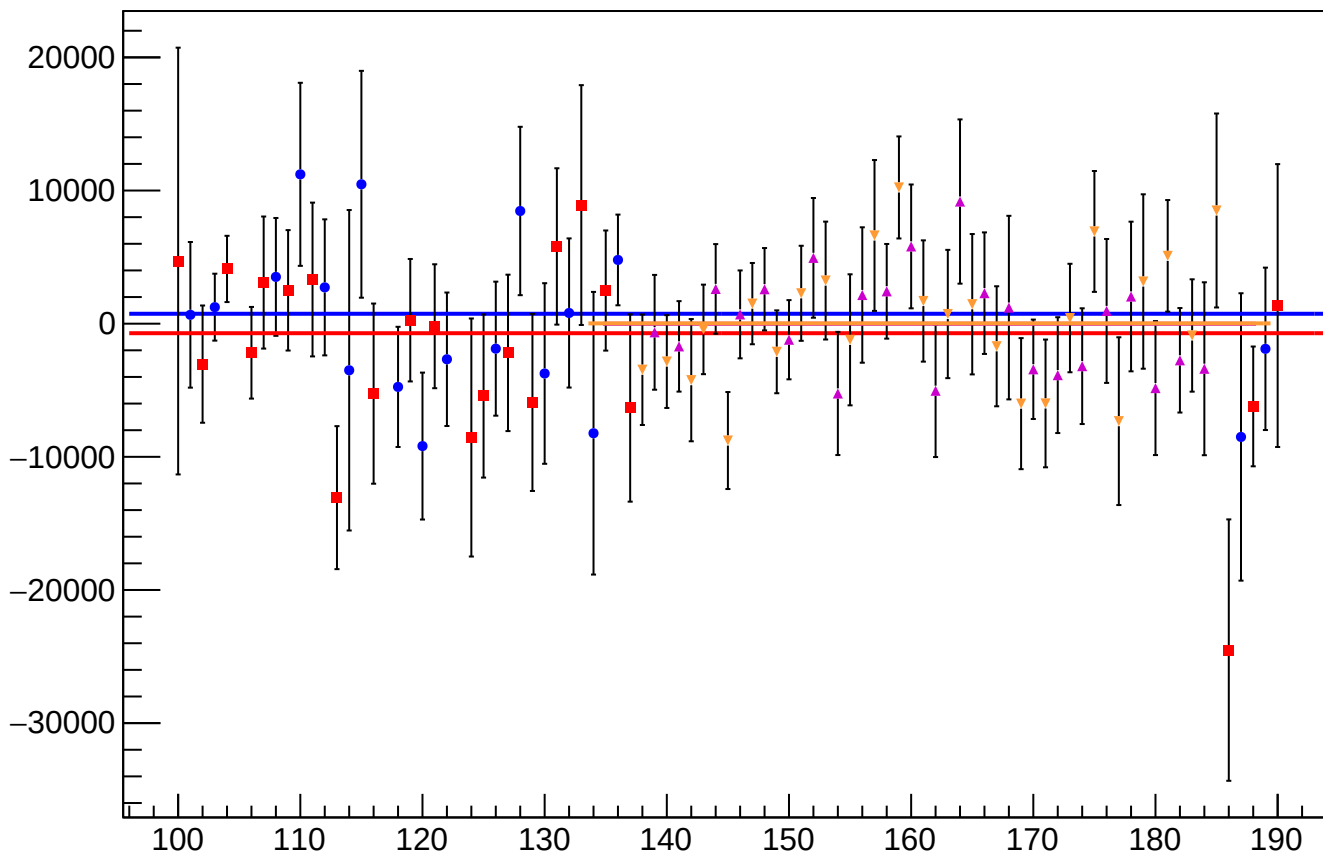
Left In: 1100.350 $\pm$ 0.182 χ^2 /NDF:80240.5/22

+ sign 1111.614 $\pm$ 0.152 χ^2 /NDF: 962672.7/42

All: 1108.390 $\pm$ 0.107 χ^2 /NDF: 1732224.1/87

- sign 1105.208 $\pm$ 0.151 χ^2 /NDF: 768653.4/44

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug



Right In: 744.915 ± 1200.857 χ^2/NDF : 14.8/17

Left Out: 23.365 ± 850.403 χ^2/NDF : 28.5/24

Right Out: -714.977 ± 1090.452 χ^2/NDF : 24.7/21

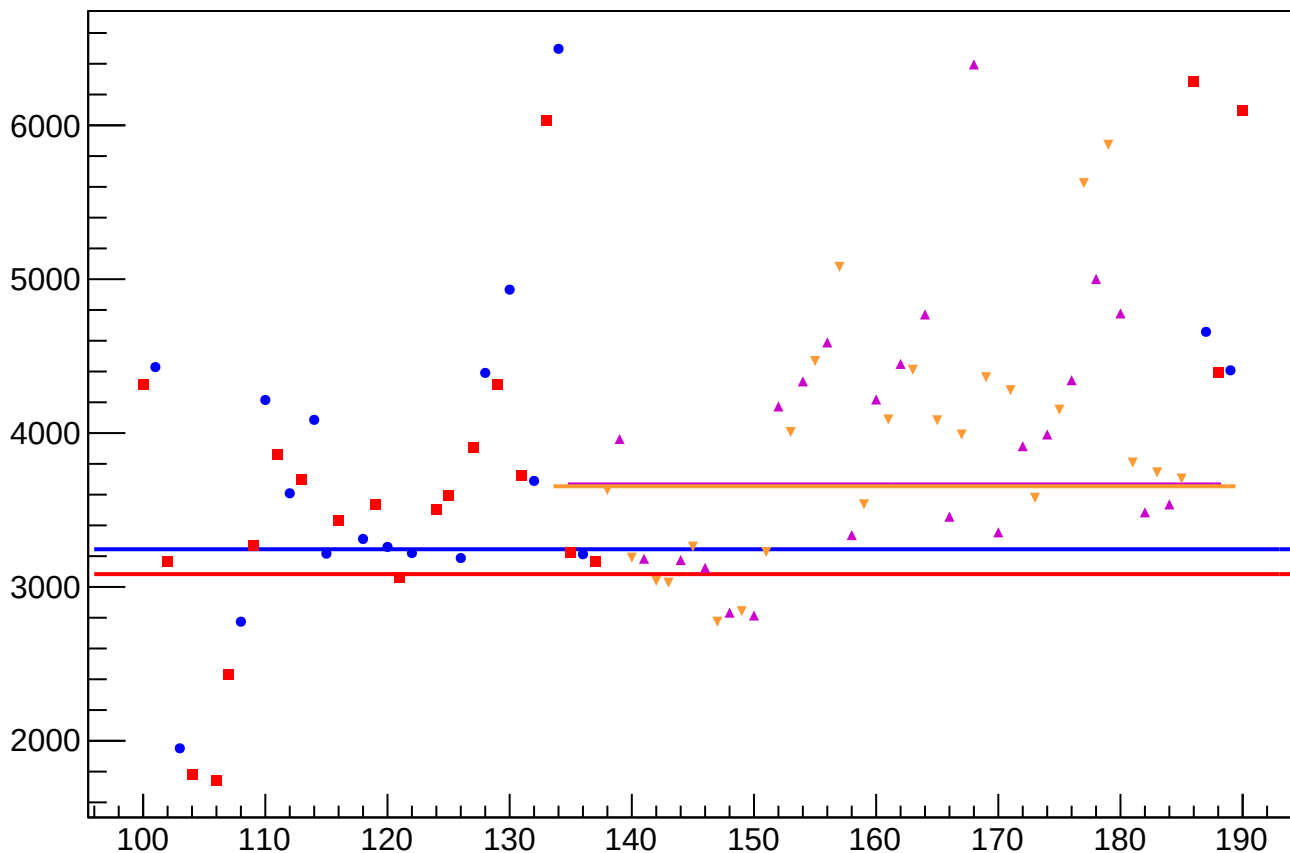
Left In: -6.368 ± 875.255 χ^2/NDF : 14.0/22

+ sign 264.360 ± 694.005 χ^2/NDF : 43.5/42

All: -14.381 ± 486.644 χ^2/NDF : 82.8/87

- sign -284.016 ± 682.575 χ^2/NDF : 39.0/44

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3245.003+/-0.849 χ^2/NDF : 1203935.7/17

Left Out: 3654.195+/-0.601 χ^2/NDF : 1311769.4/24

Right Out: 3083.295+/-0.771 χ^2/NDF : 1897659.6/21

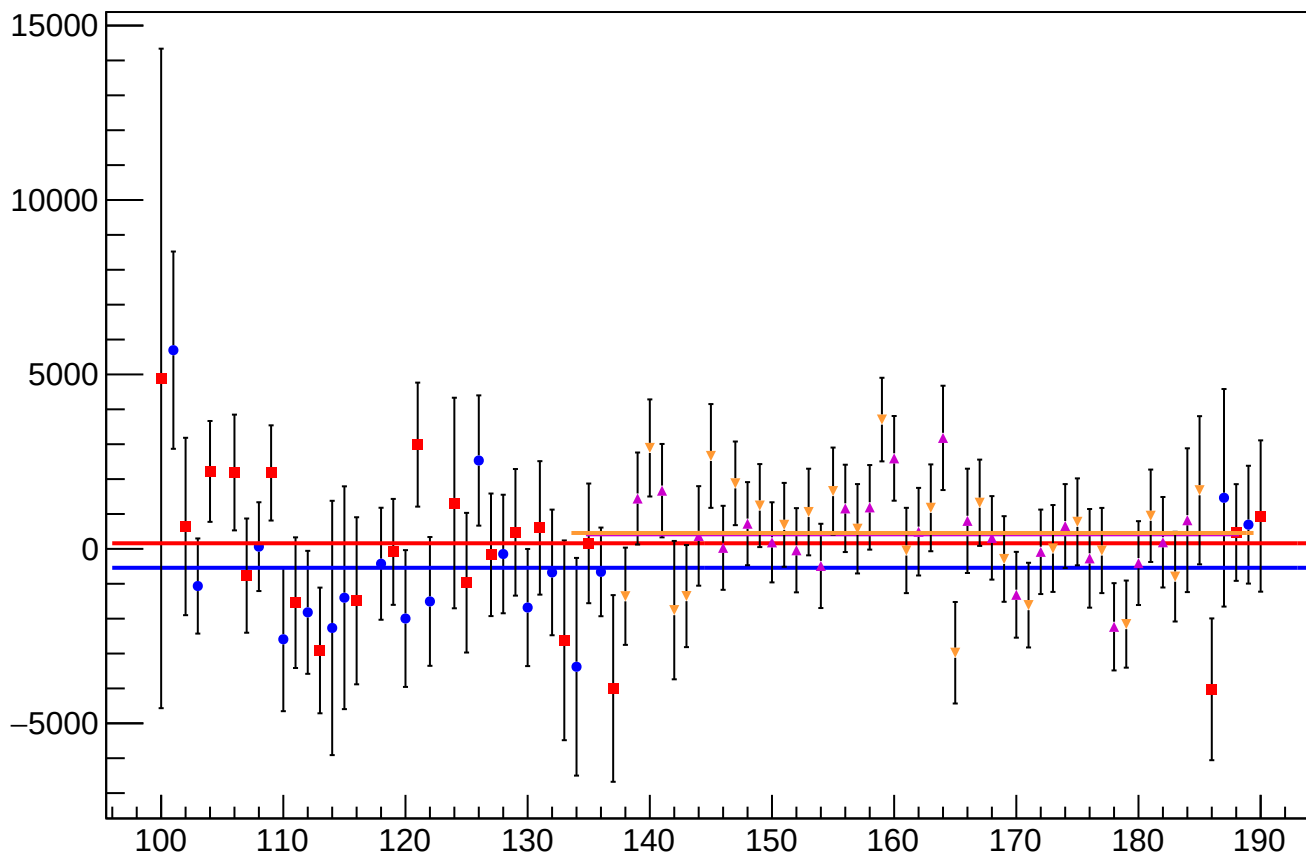
Left In: 3666.114+/-0.619 χ^2/NDF : 1343711.6/22

+ sign 3517.526+/-0.491 χ^2/NDF : 2670365.0/42

All: 3476.977+/-0.344 χ^2/NDF : 6272637.3/87

- sign 3437.753+/-0.483 χ^2/NDF : 3588840.4/44

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -542.133 ± 429.344 χ^2/NDF : 12.9/17

Left Out: 455.711 ± 261.005 χ^2/NDF : 36.1/24

Right Out: 160.707 ± 399.221 χ^2/NDF : 21.5/21

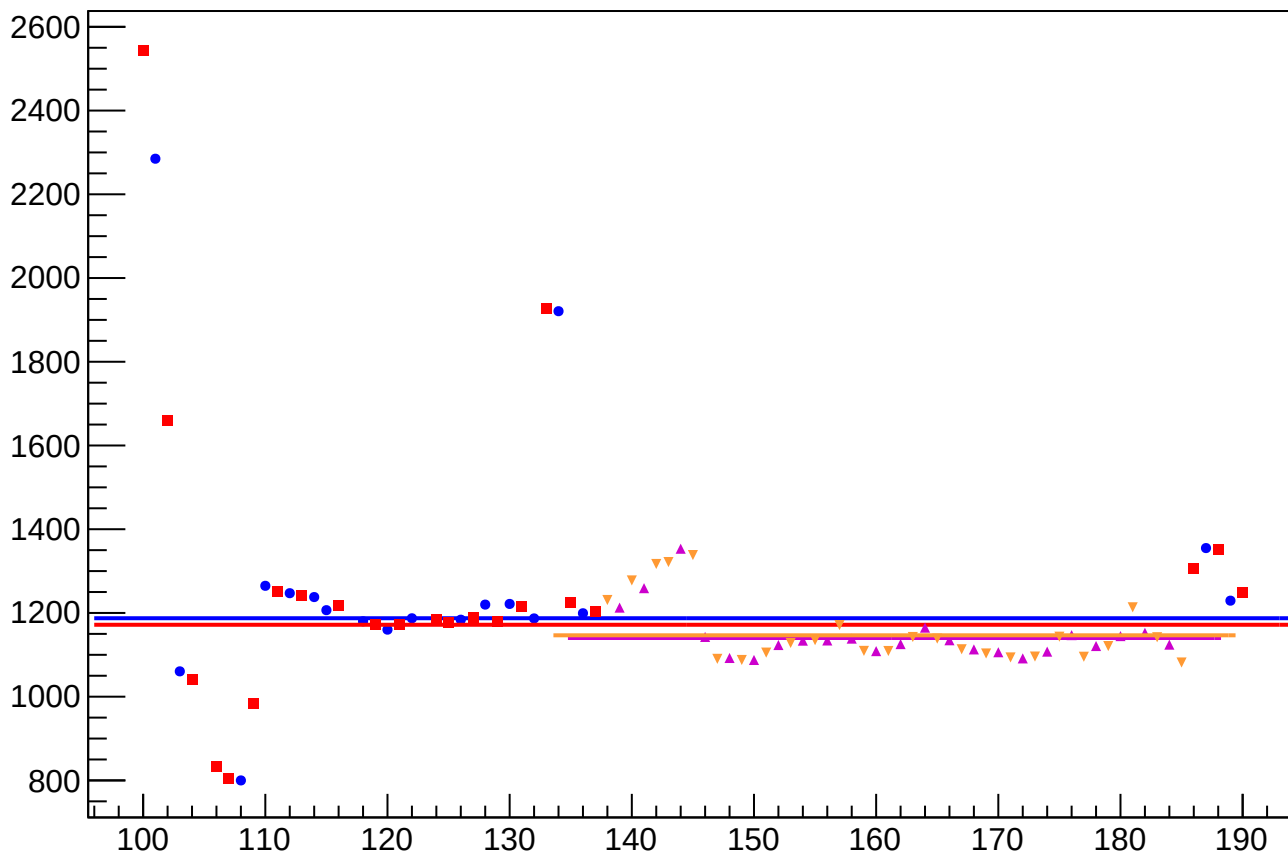
Left In: 417.202 ± 266.582 χ^2/NDF : 17.3/22

+ sign 186.452 ± 223.028 χ^2/NDF : 53.0/42

All: 262.730 ± 157.232 χ^2/NDF : 92.3/87

- sign 338.102 ± 221.698 χ^2/NDF : 39.1/44

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.383+/-0.304 χ^2/NDF : 629303.3/17

Left Out: 1146.614+/-0.185 χ^2/NDF : 141015.8/24

Right Out: 1171.776+/-0.282 χ^2/NDF : 550896.1/21

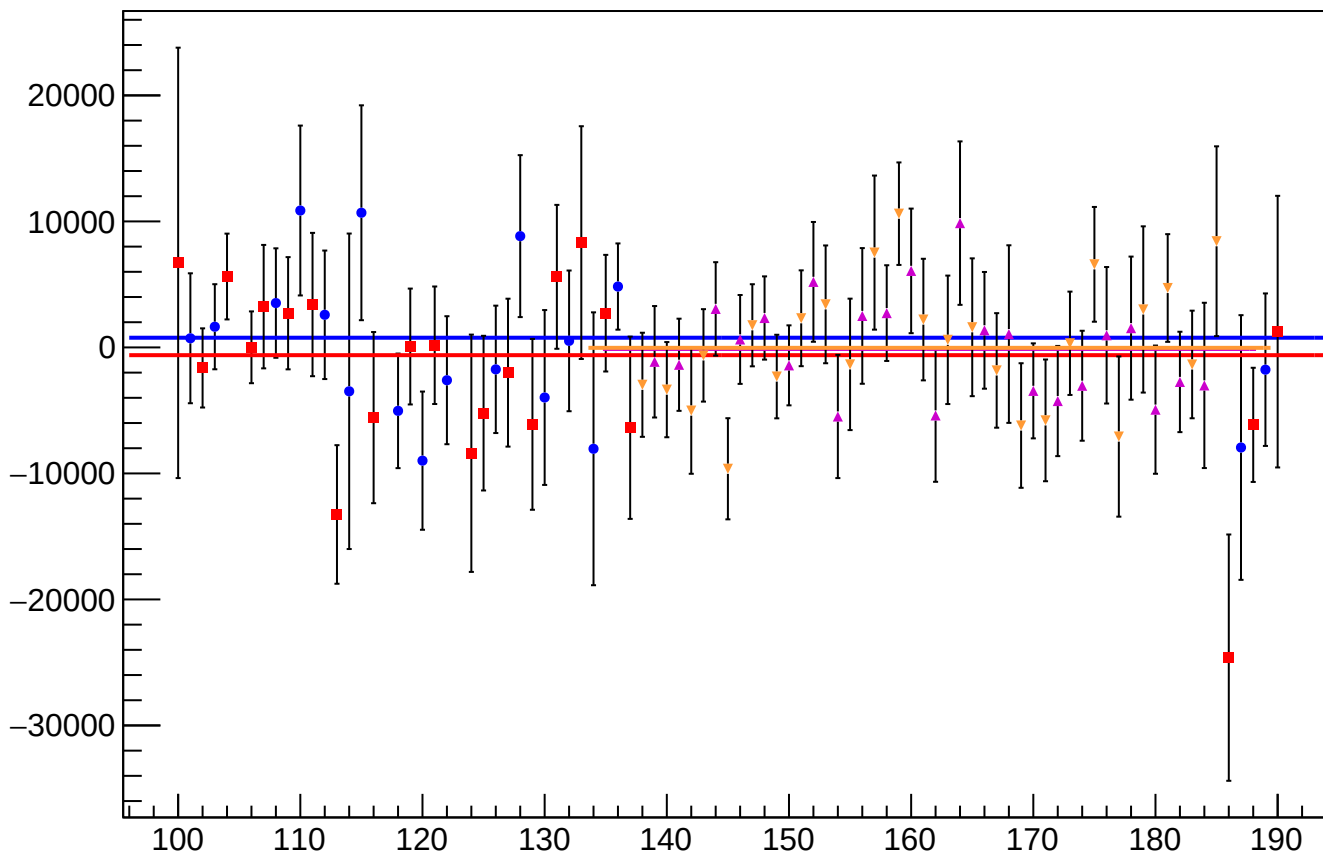
Left In: 1140.168+/-0.189 χ^2/NDF : 84737.4/22

+ sign 1157.615+/-0.158 χ^2/NDF : 783487.0/42

All: 1153.744+/-0.111 χ^2/NDF : 1428993.5/87

- sign 1149.921+/-0.157 χ^2/NDF : 644309.1/44

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 769.561 $\pm$ 1264.017 χ^2 /NDF: 14.8/17

Left Out: -33.549 $\pm$ 891.370 χ^2 /NDF: 27.8/24

Right Out: -615.194 $\pm$ 1084.702 χ^2 /NDF: 24.0/21

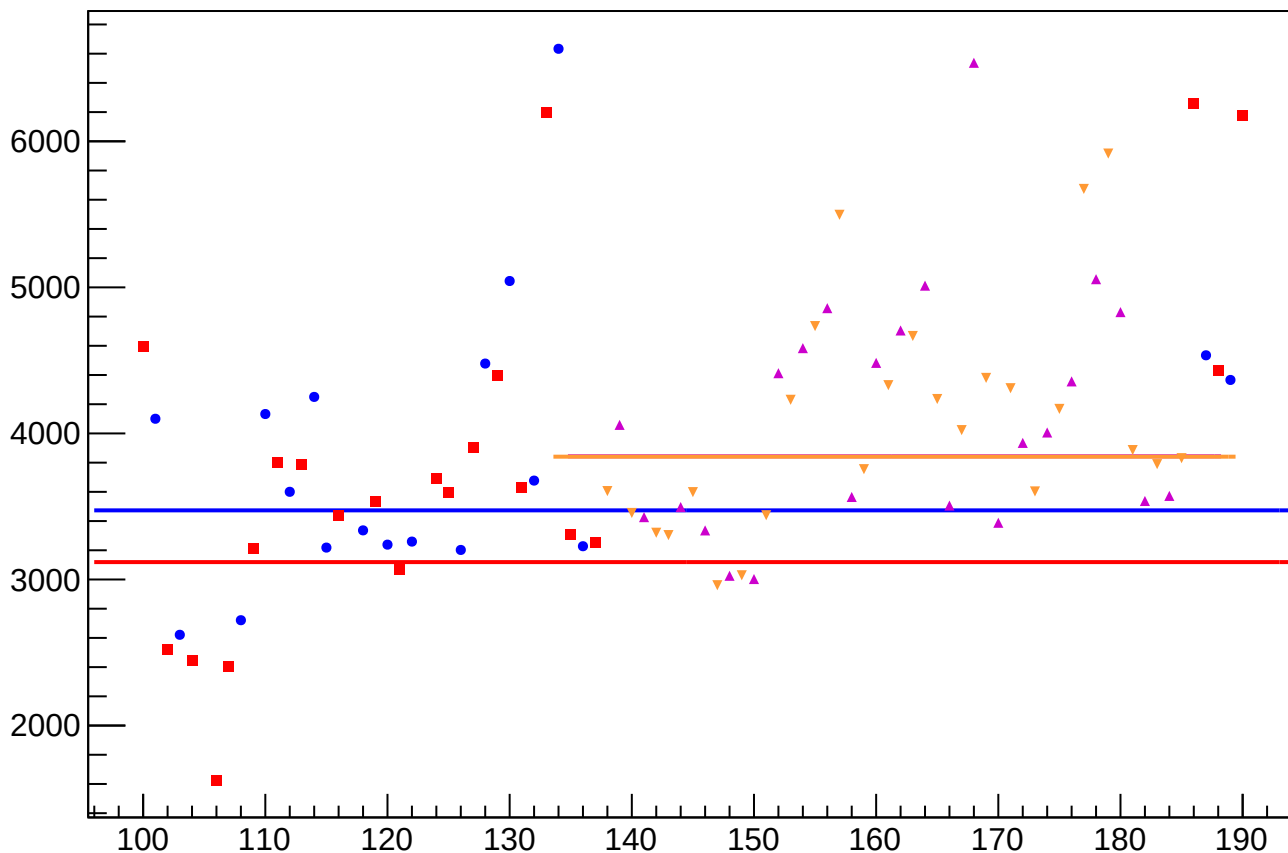
Left In: -121.051 $\pm$ 915.714 χ^2 /NDF: 13.8/22

+ sign 233.186 $\pm$ 728.459 χ^2 /NDF: 42.8/42

All: -58.008 $\pm$ 504.629 χ^2 /NDF: 81.0/87

- sign -326.675 $\pm$ 699.715 χ^2 /NDF: 37.9/44

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3473.288 $\pm$ 0.894 χ^2/NDF : 660256.4/17

Left Out: 3840.830 $\pm$ 0.630 χ^2/NDF : 1118666.6/24

Right Out: 3119.074 $\pm$ 0.767 χ^2/NDF : 1742266.5/21

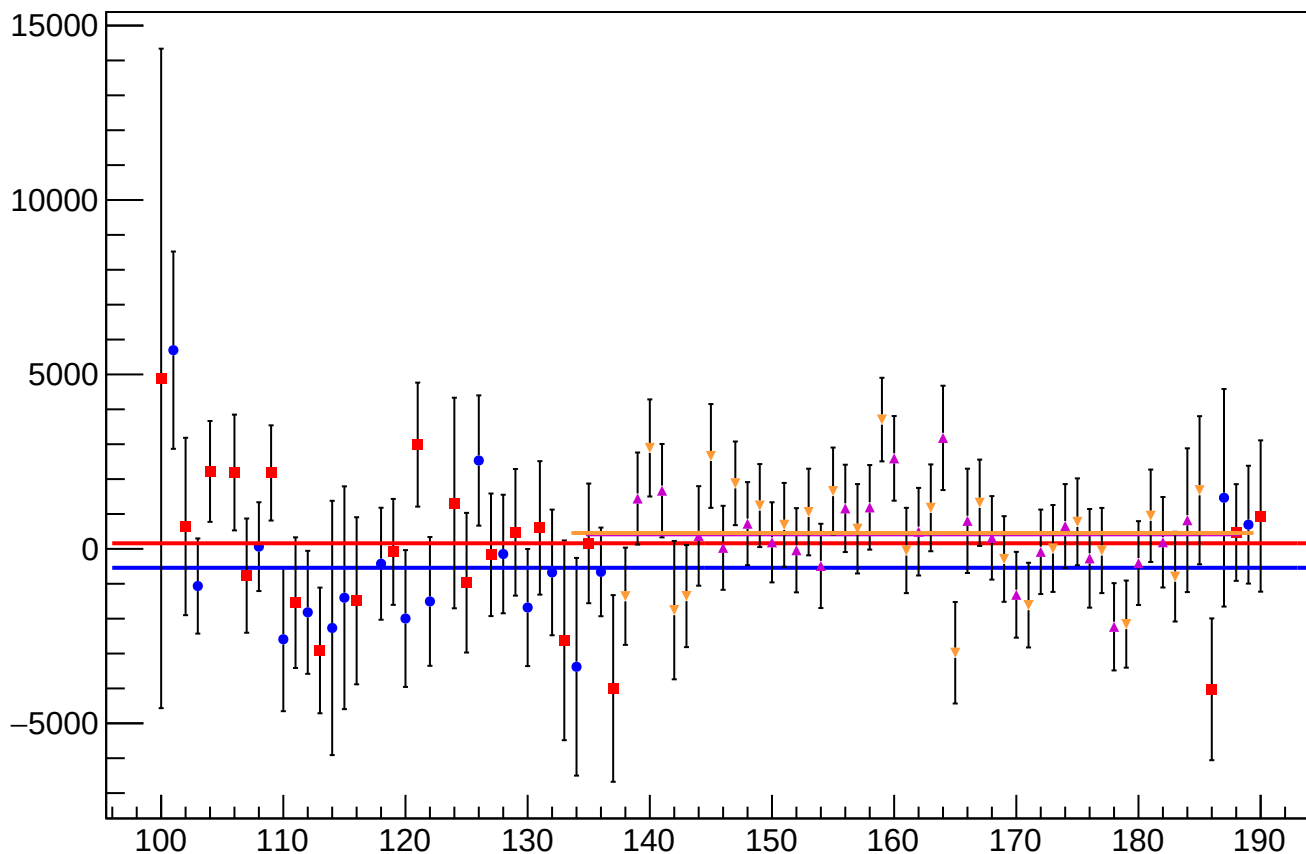
Left In: 3843.328 $\pm$ 0.648 χ^2/NDF : 1196057.8/22

+ sign 3718.760 $\pm$ 0.515 χ^2/NDF : 1891858.8/42

All: 3626.797 $\pm$ 0.357 χ^2/NDF : 5412076.2/87

- sign 3541.950 $\pm$ 0.495 χ^2/NDF : 3458935.1/44

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -542.137 ± 429.343 χ^2/NDF : 12.9/17

Left Out: 455.716 ± 261.006 χ^2/NDF : 36.1/24

Right Out: 160.712 ± 399.221 χ^2/NDF : 21.5/21

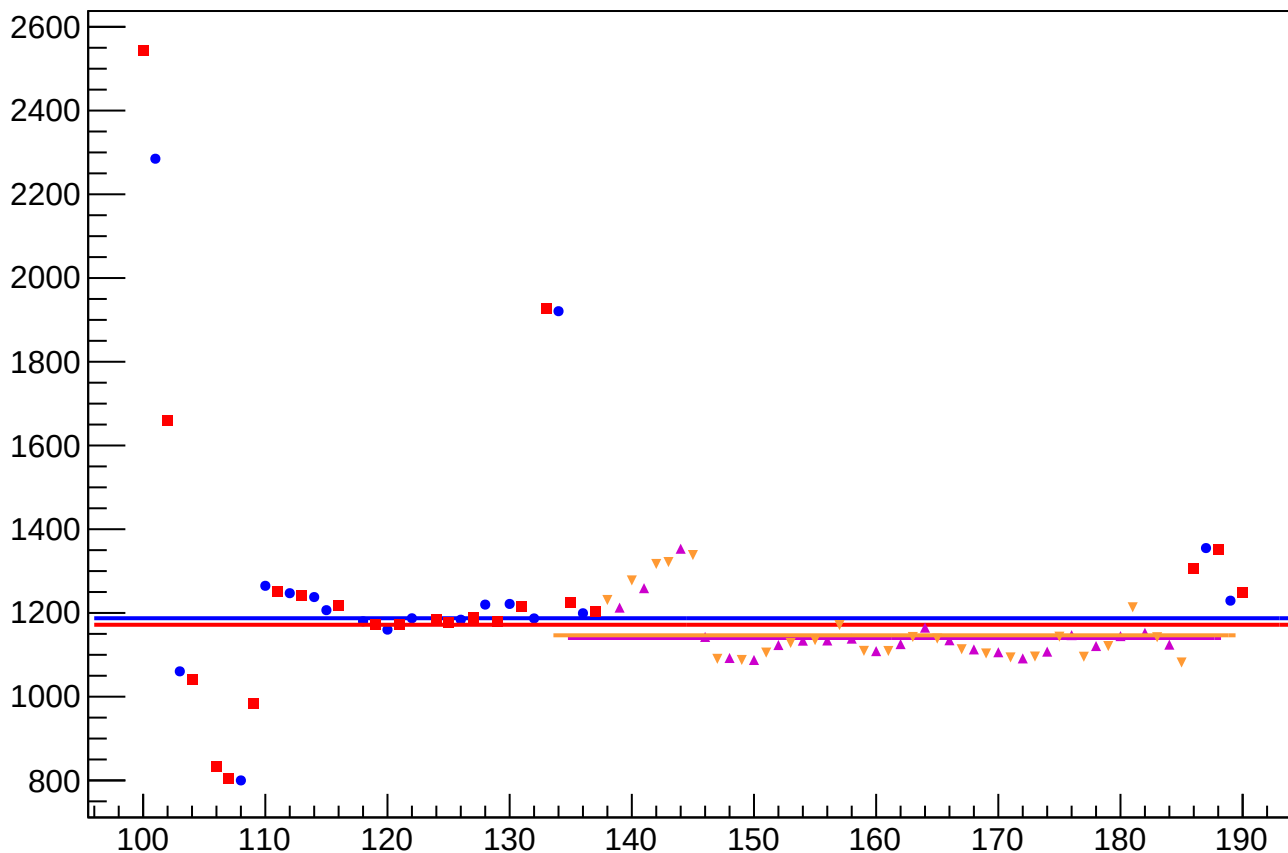
Left In: 417.201 ± 266.583 χ^2/NDF : 17.3/22

+ sign 186.454 ± 223.028 χ^2/NDF : 53.0/42

All: 262.732 ± 157.232 χ^2/NDF : 92.3/87

- sign 338.103 ± 221.699 χ^2/NDF : 39.1/44

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.383 $\pm$ 0.304 χ^2 /NDF: 629303.5/17

Left Out: 1146.614 $\pm$ 0.185 χ^2 /NDF: 141015.8/24

Right Out: 1171.777 $\pm$ 0.282 χ^2 /NDF: 550895.5/21

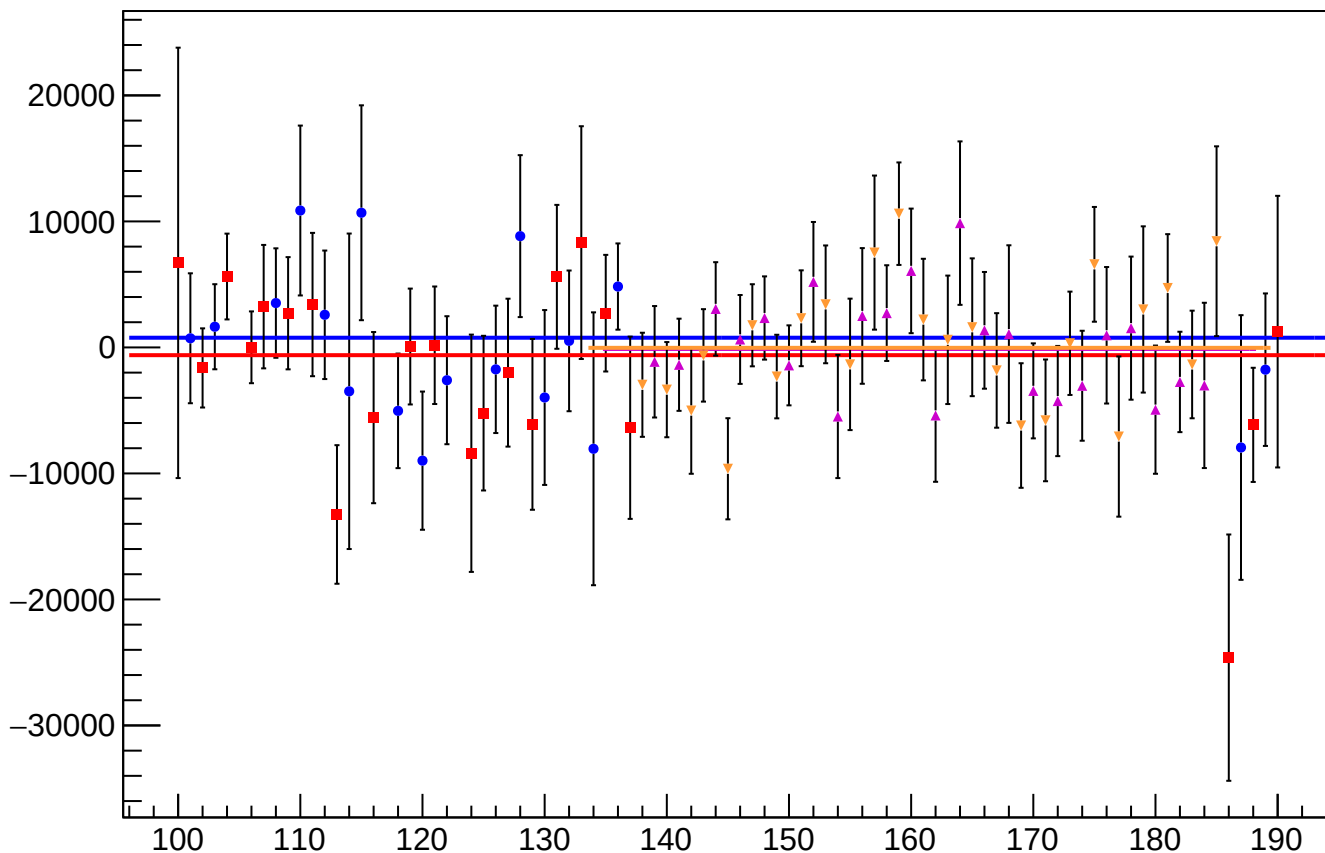
Left In: 1140.169 $\pm$ 0.189 χ^2 /NDF: 84737.2/22

+ sign 1157.615 $\pm$ 0.158 χ^2 /NDF: 783486.6/42

All: 1153.745 $\pm$ 0.111 χ^2 /NDF: 1428992.0/87

- sign 1149.921 $\pm$ 0.157 χ^2 /NDF: 644308.0/44

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug



Right In: 769.545 ± 1264.016 $\chi^2/\text{NDF}: 14.8/17$

Left Out: -33.548 ± 891.372 $\chi^2/\text{NDF}: 27.8/24$

Right Out: -615.185 ± 1084.700 $\chi^2/\text{NDF}: 24.0/21$

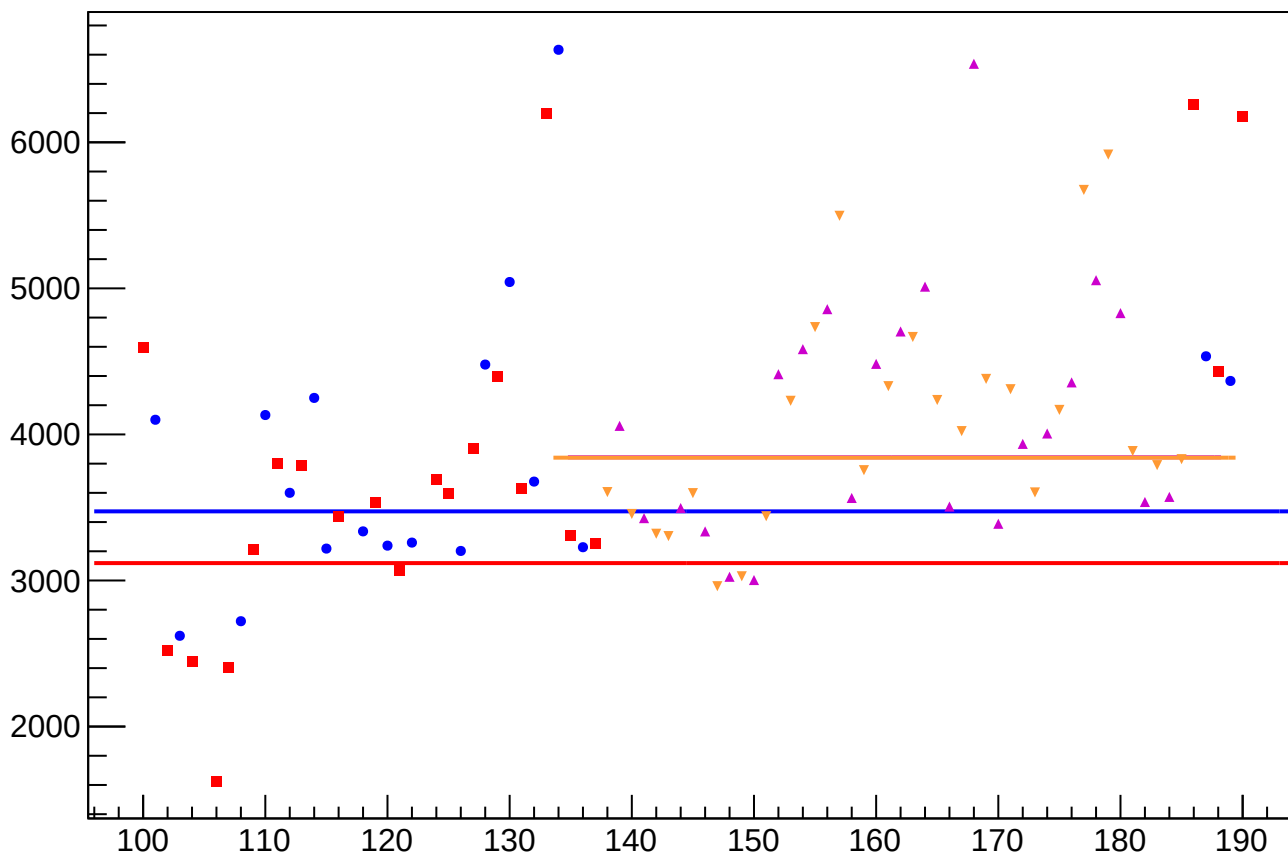
Left In: -121.054 ± 915.716 $\chi^2/\text{NDF}: 13.8/22$

+ sign 233.182 ± 728.459 $\chi^2/\text{NDF}: 42.8/42$

All: -58.010 ± 504.629 $\chi^2/\text{NDF}: 81.0/87$

- sign -326.674 ± 699.715 $\chi^2/\text{NDF}: 37.9/44$

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 3473.285 $\pm$ 0.894 χ^2/NDF : 660253.3/17

Left Out: 3840.836 $\pm$ 0.630 χ^2/NDF : 1118668.2/24

Right Out: 3119.069 $\pm$ 0.767 χ^2/NDF : 1742268.3/21

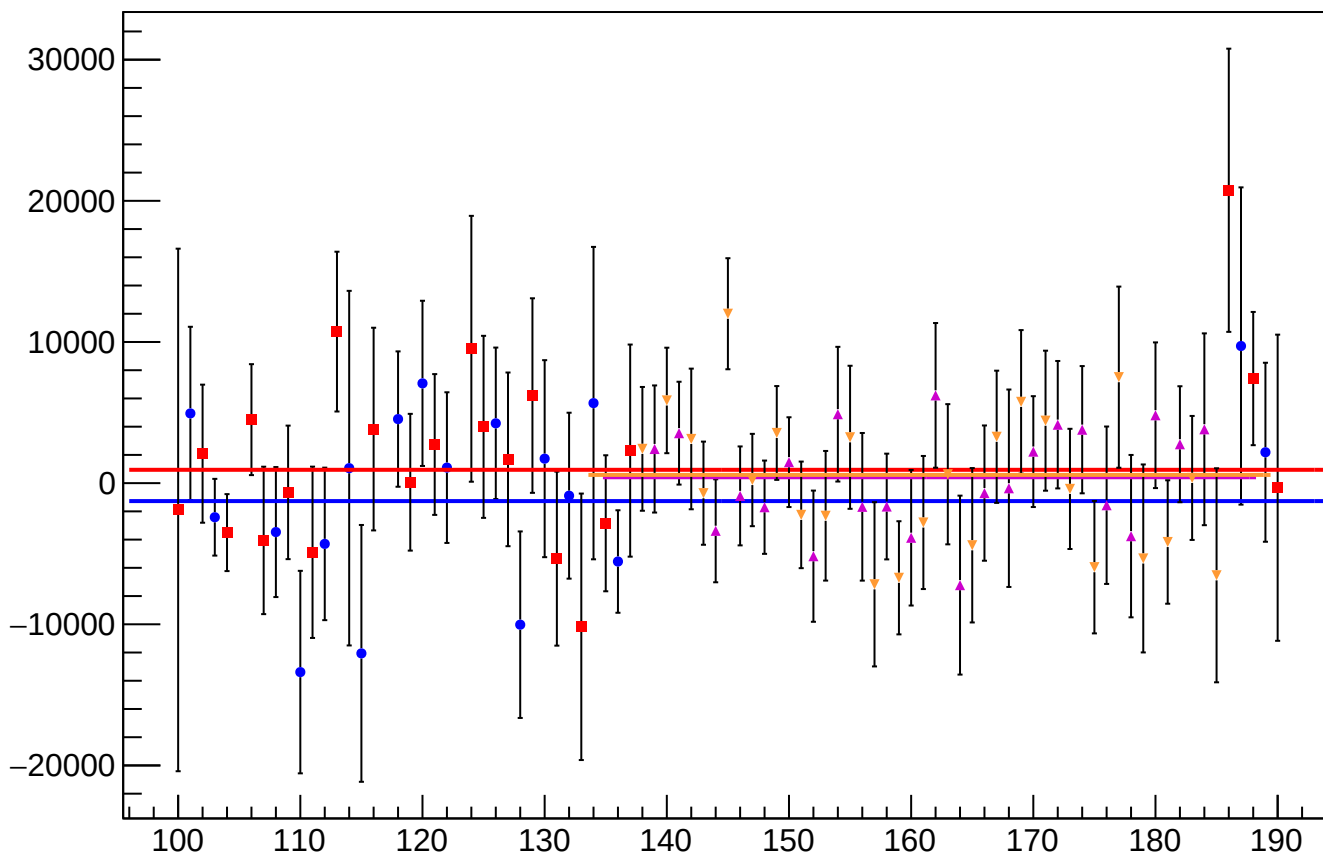
Left In: 3843.333 $\pm$ 0.648 χ^2/NDF : 1196061.6/22

+ sign 3718.762 $\pm$ 0.515 χ^2/NDF : 1891862.5/42

All: 3626.798 $\pm$ 0.357 χ^2/NDF : 5412101.3/87

- sign 3541.950 $\pm$ 0.495 χ^2/NDF : 3458955.0/44

asym_usr_atr2_dd_mean vs Slug



Right In: -1271.497 ± 1277.332 χ^2/NDF : 15.8/17

Left Out: 583.278 ± 894.900 χ^2/NDF : 27.4/24

Right Out: 944.883 ± 1170.043 χ^2/NDF : 19.4/21

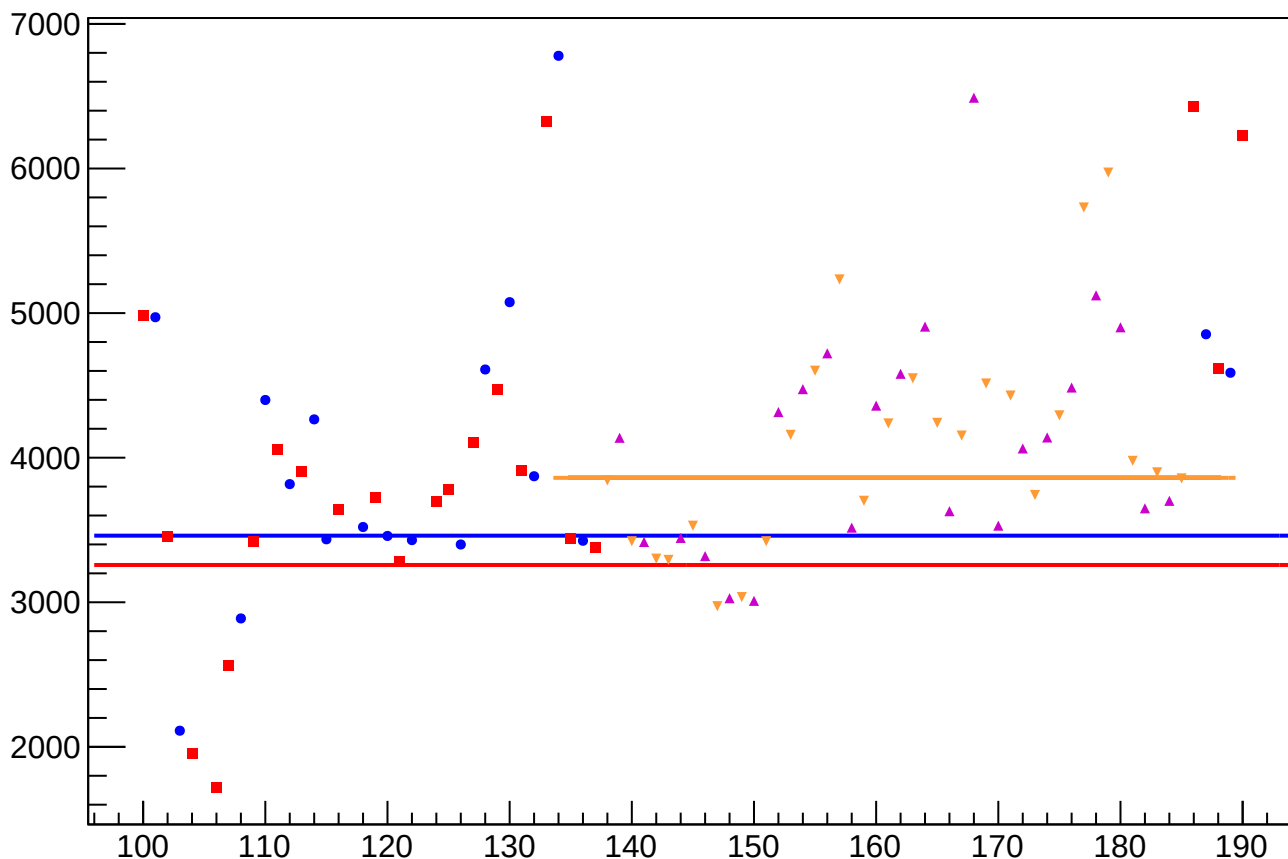
Left In: 416.803 ± 919.006 χ^2/NDF : 12.5/22

+ sign -27.384 ± 732.924 χ^2/NDF : 44.6/42

All: 299.975 ± 514.612 χ^2/NDF : 77.0/87

- sign 618.288 ± 722.725 χ^2/NDF : 32.0/44

asym_usr_atr2_dd_rms vs Slug



Right In: 3460.685 $\pm$ 0.903 χ^2 /NDF: 1147838.5/17

Left Out: 3860.536 $\pm$ 0.633 χ^2 /NDF: 1097292.6/24

Right Out: 3257.893 $\pm$ 0.815 χ^2 /NDF: 1883661.0/21

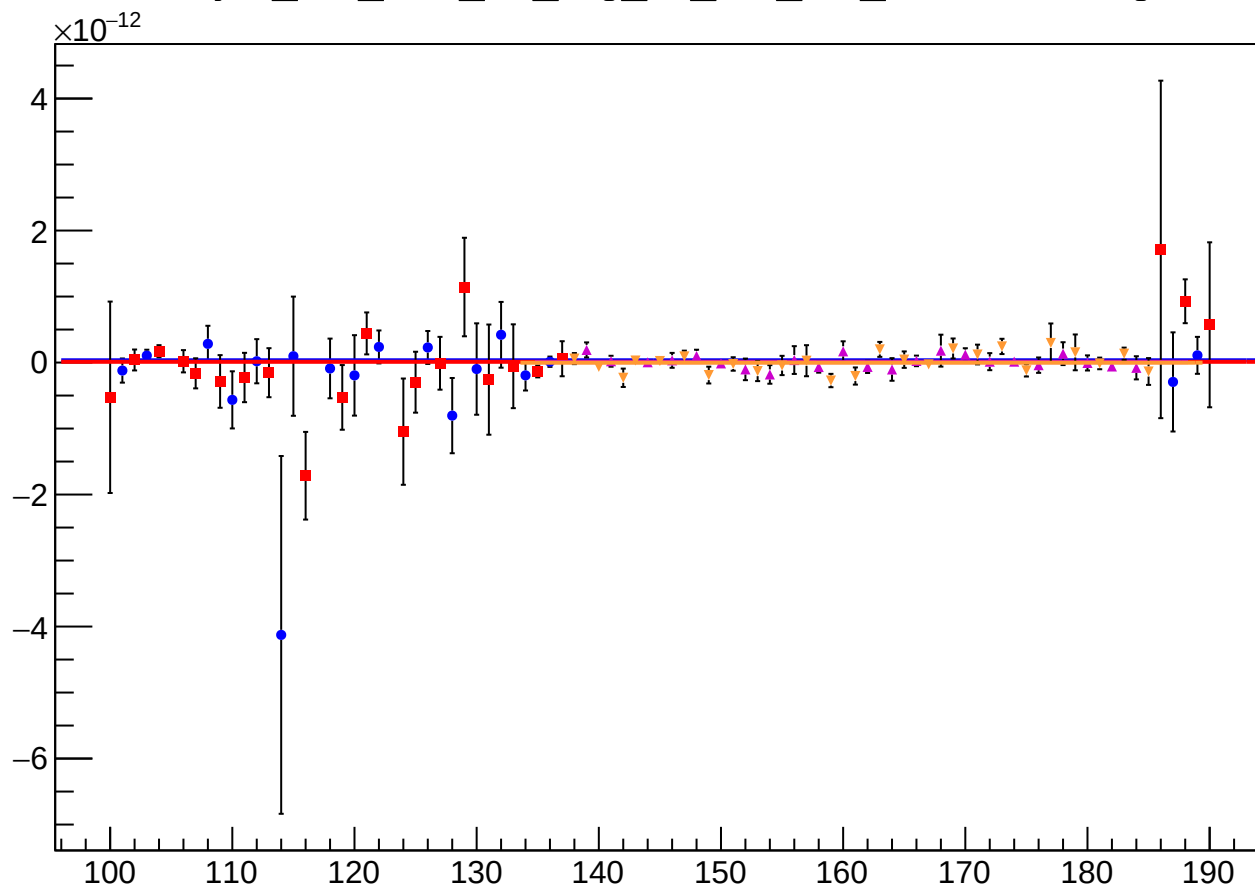
Left In: 3862.339 $\pm$ 0.650 χ^2 /NDF: 1142179.8/22

+ sign 3728.890 $\pm$ 0.518 χ^2 /NDF: 2376589.1/42

All: 3677.078 $\pm$ 0.363 χ^2 /NDF: 5758463.4/87

- sign 3627.294 $\pm$ 0.508 χ^2 /NDF: 3362276.0/44

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 12.1/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 34.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 30.3/21

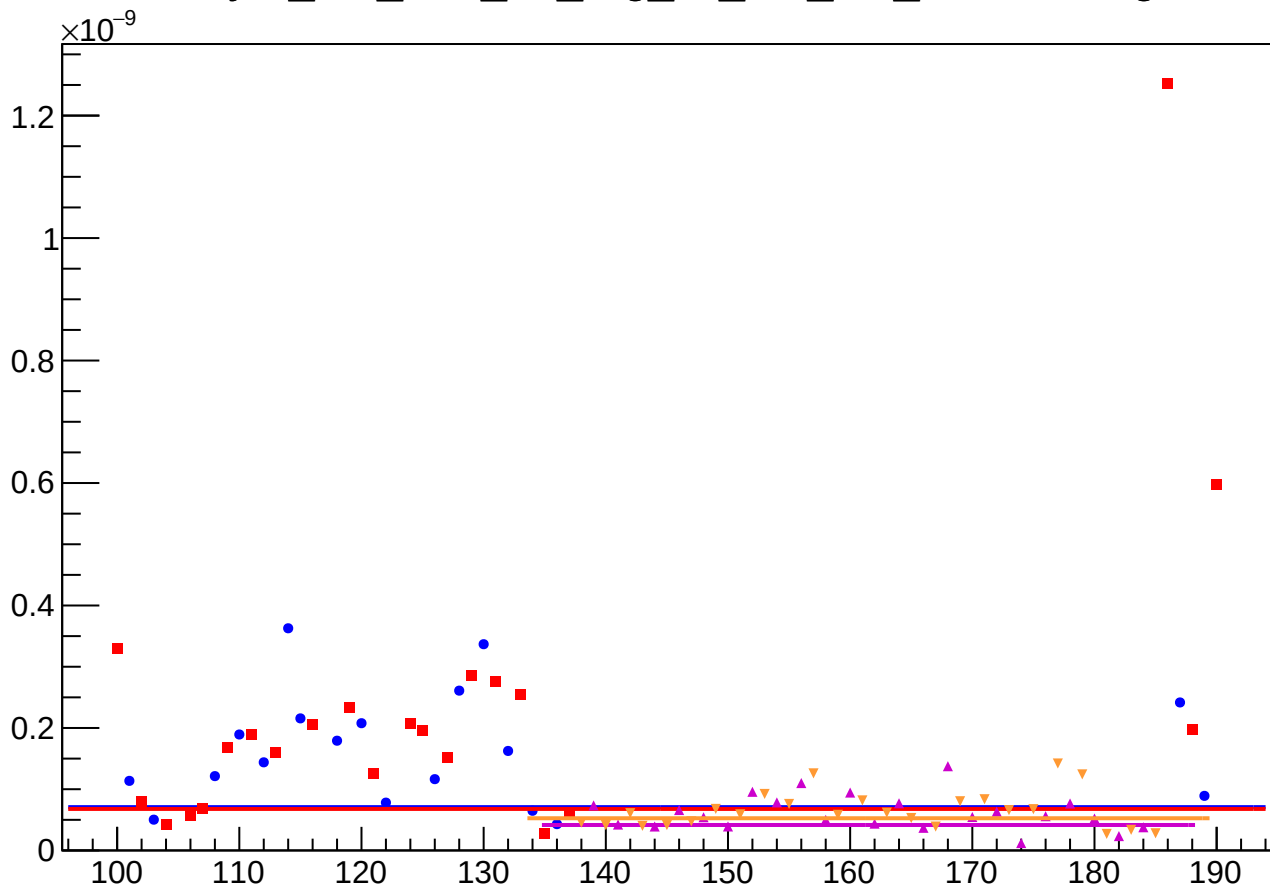
Left In: 0.000 ± 0.000 χ^2/NDF : 12.8/22

+ sign 0.000 ± 0.000 χ^2/NDF : 46.8/42

All: 0.000 ± 0.000 χ^2/NDF : 90.0/87

- sign 0.000 ± 0.000 χ^2/NDF : 43.2/44

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1843126.1/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 1611629.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 3359650.0/21

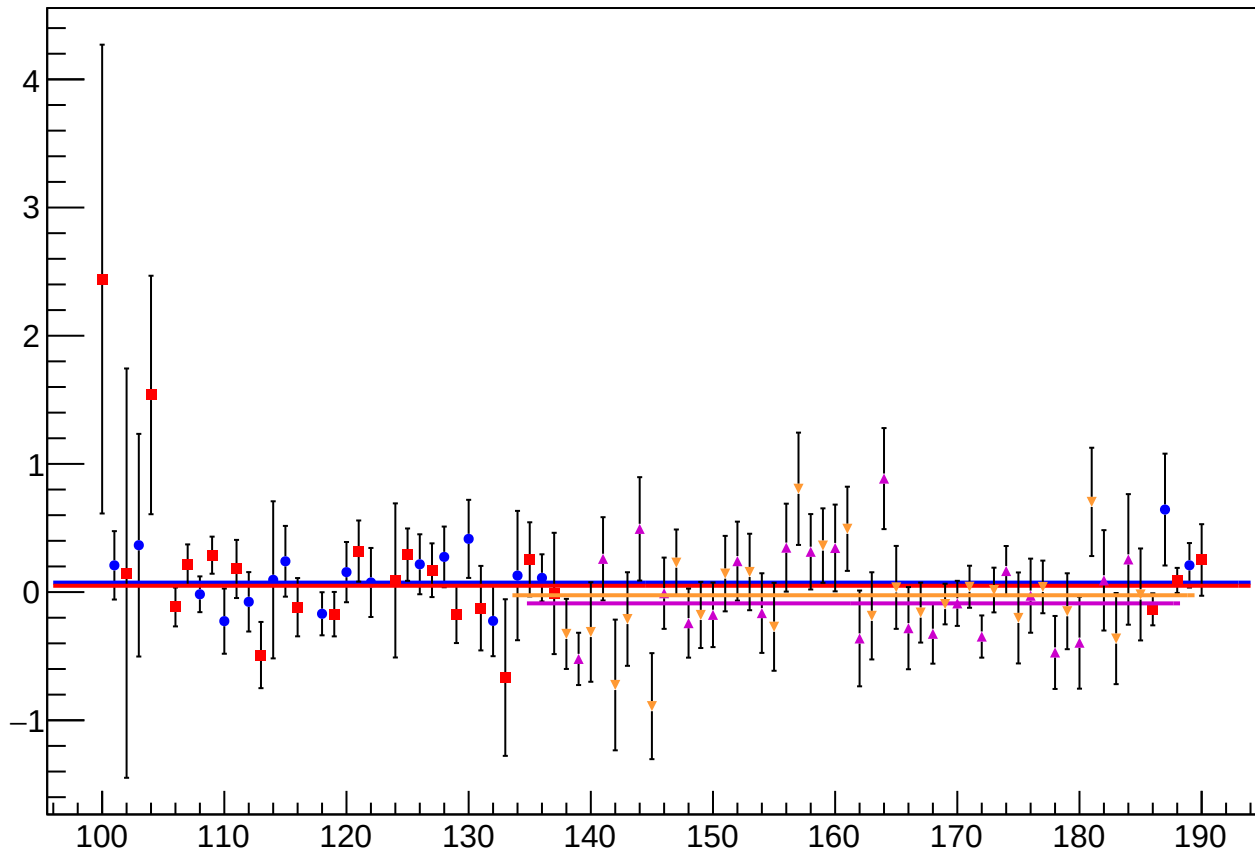
Left In: 0.000 ± 0.000 χ^2/NDF : 2939628.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 3691886.2/42

All: 0.000 ± 0.000 χ^2/NDF : 10792745.9/87

- sign 0.000 ± 0.000 χ^2/NDF : 6795152.8/44

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 ± 0.056 $\chi^2/\text{NDF}: 11.1/17$

Left Out: -0.025 ± 0.055 $\chi^2/\text{NDF}: 24.1/24$

Right Out: 0.049 ± 0.044 $\chi^2/\text{NDF}: 25.2/21$

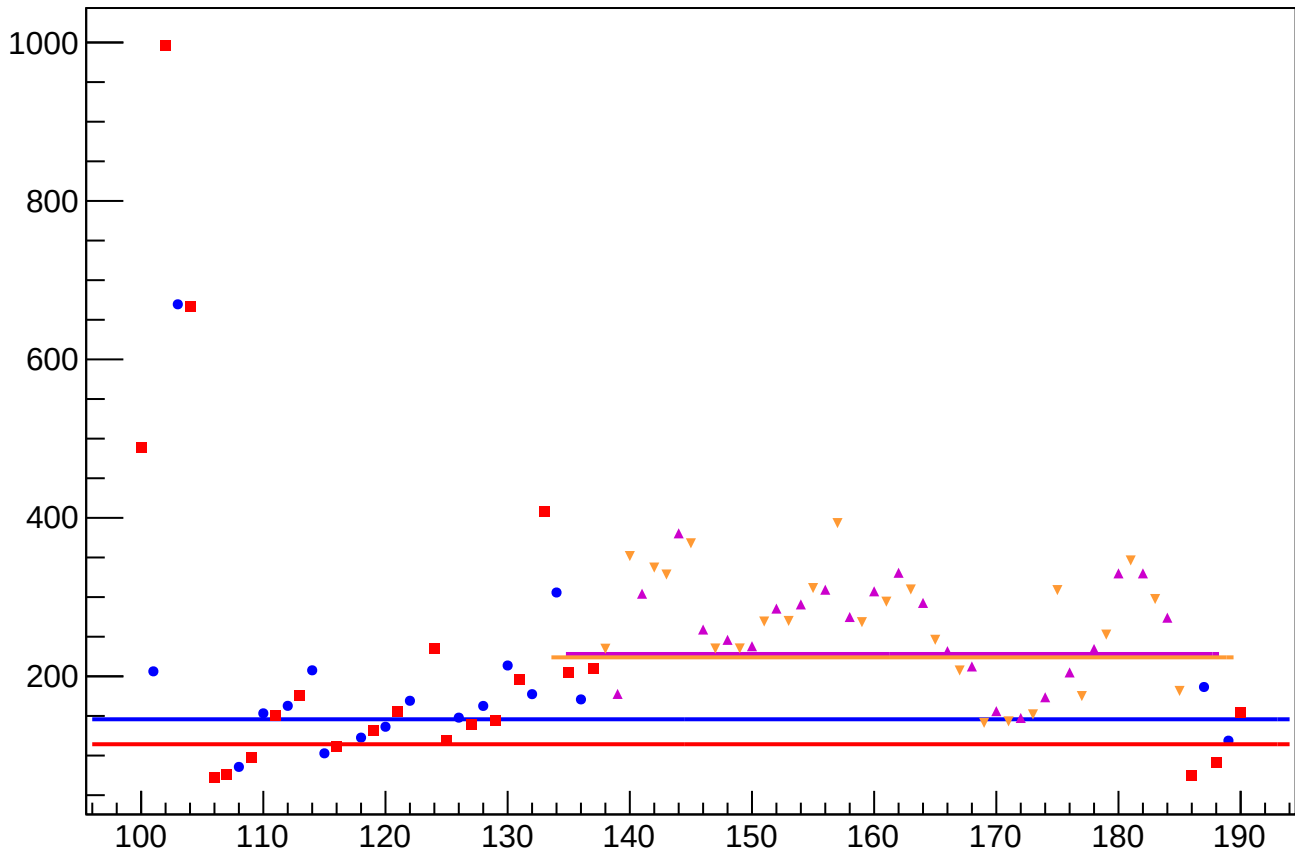
Left In: -0.088 ± 0.057 $\chi^2/\text{NDF}: 30.0/22$

+ sign 0.023 ± 0.039 $\chi^2/\text{NDF}: 36.7/42$

All: 0.009 ± 0.026 $\chi^2/\text{NDF}: 95.8/87$

- sign -0.002 ± 0.035 $\chi^2/\text{NDF}: 58.8/44$

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 145.785 $\pm$ 0.040 χ^2 /NDF: 1779139.1/17

Left Out: 223.945 $\pm$ 0.039 χ^2 /NDF:3438444.8/24

Right Out: 114.289 $\pm$ 0.031 χ^2 /NDF: 3318880.6/21

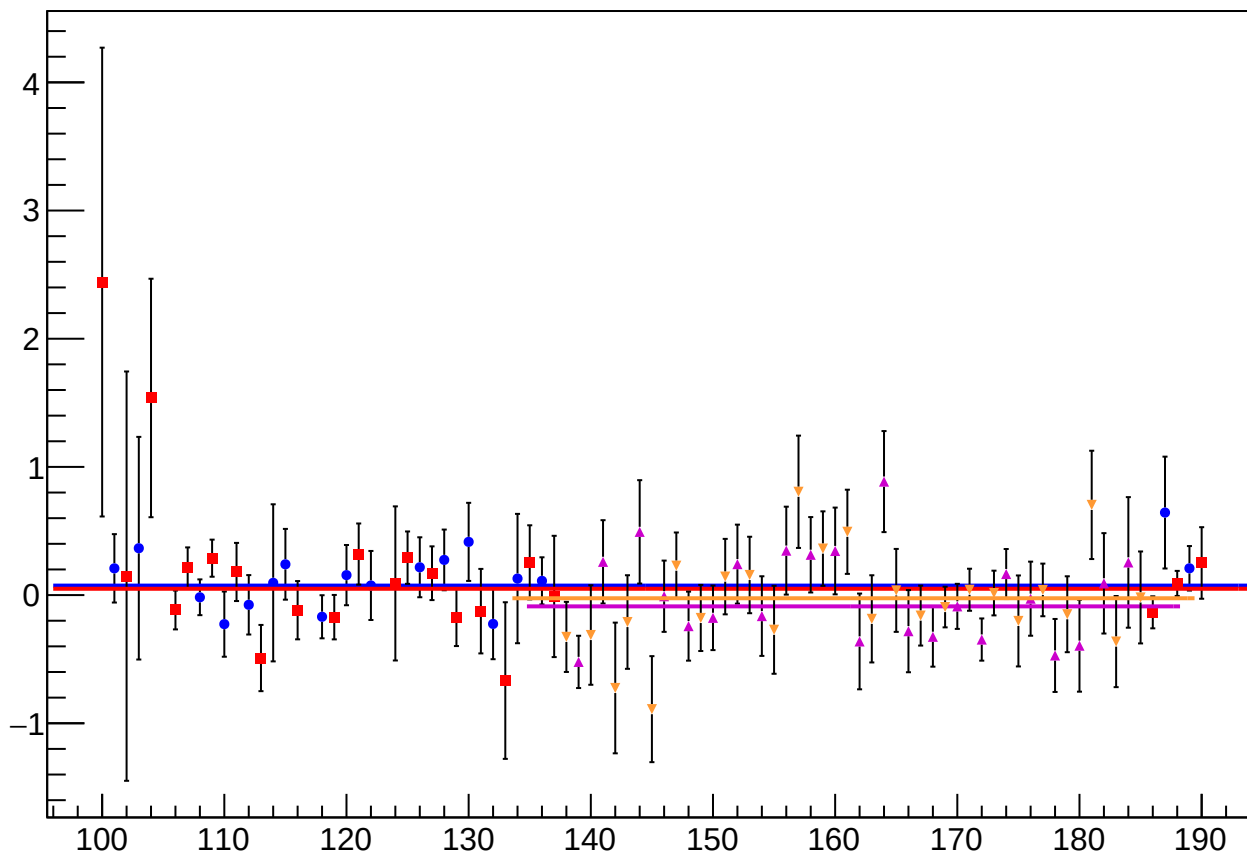
Left In: 228.199 $\pm$ 0.040 χ^2 /NDF:2488915.3/22

+ sign 186.035 $\pm$ 0.028 χ^2 /NDF: 7205464.7/42

All: 169.876 $\pm$ 0.018 χ^2 /NDF: 18662790.9/87

- sign 157.160 $\pm$ 0.025 χ^2 /NDF: 10849491.1/44

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074 ± 0.056 χ^2/NDF : 11.1/17

Left Out: -0.025 ± 0.055 χ^2/NDF : 24.1/24

Right Out: 0.049 ± 0.044 χ^2/NDF : 25.2/21

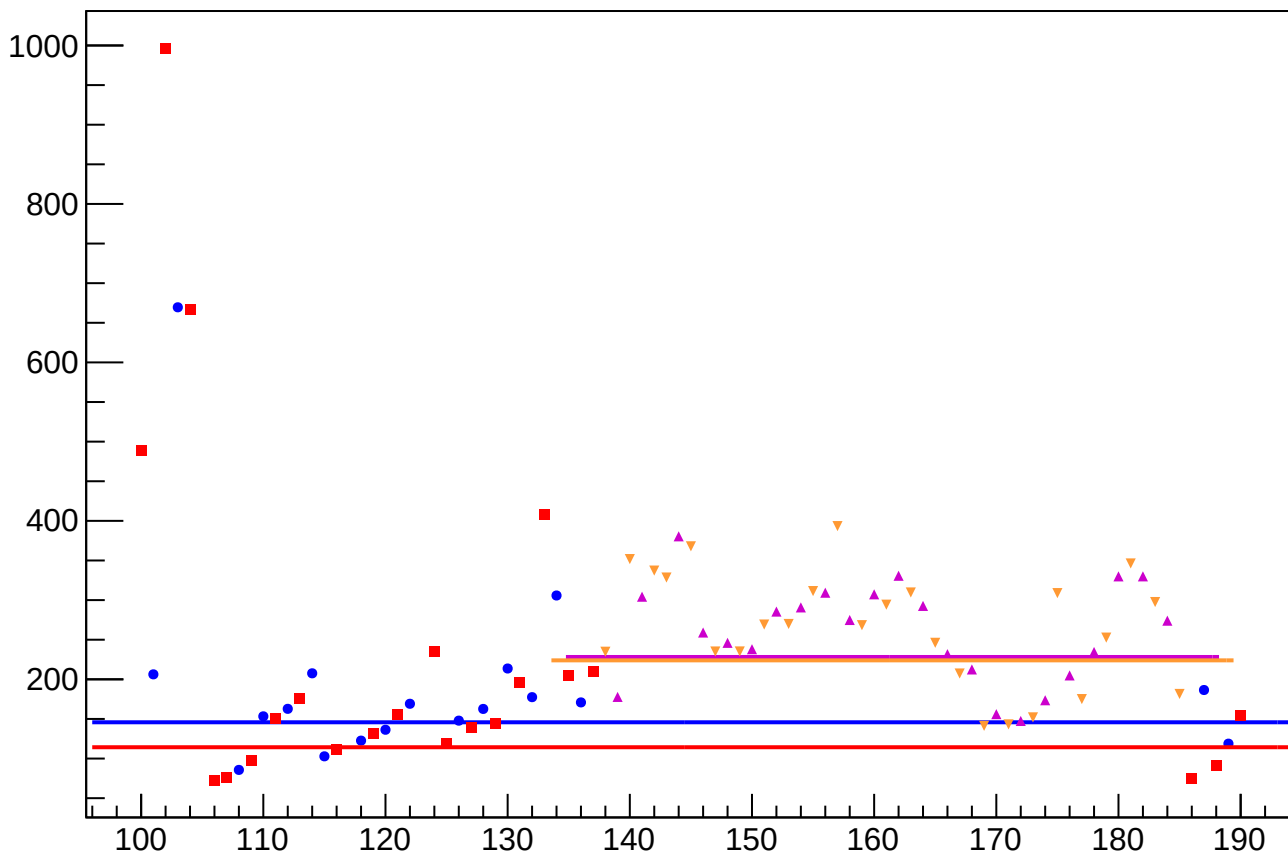
Left In: -0.088 ± 0.057 χ^2/NDF : 30.0/22

+ sign 0.023 ± 0.039 χ^2/NDF : 36.7/42

All: 0.009 ± 0.026 χ^2/NDF : 95.8/87

- sign -0.002 ± 0.035 χ^2/NDF : 58.8/44

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.785+/-0.040 χ^2/NDF : 1779139.1/17

Left Out: 223.945+/-0.039 χ^2/NDF : 3438444.8/24

Right Out: 114.289+/-0.031 χ^2/NDF : 3318880.6/21

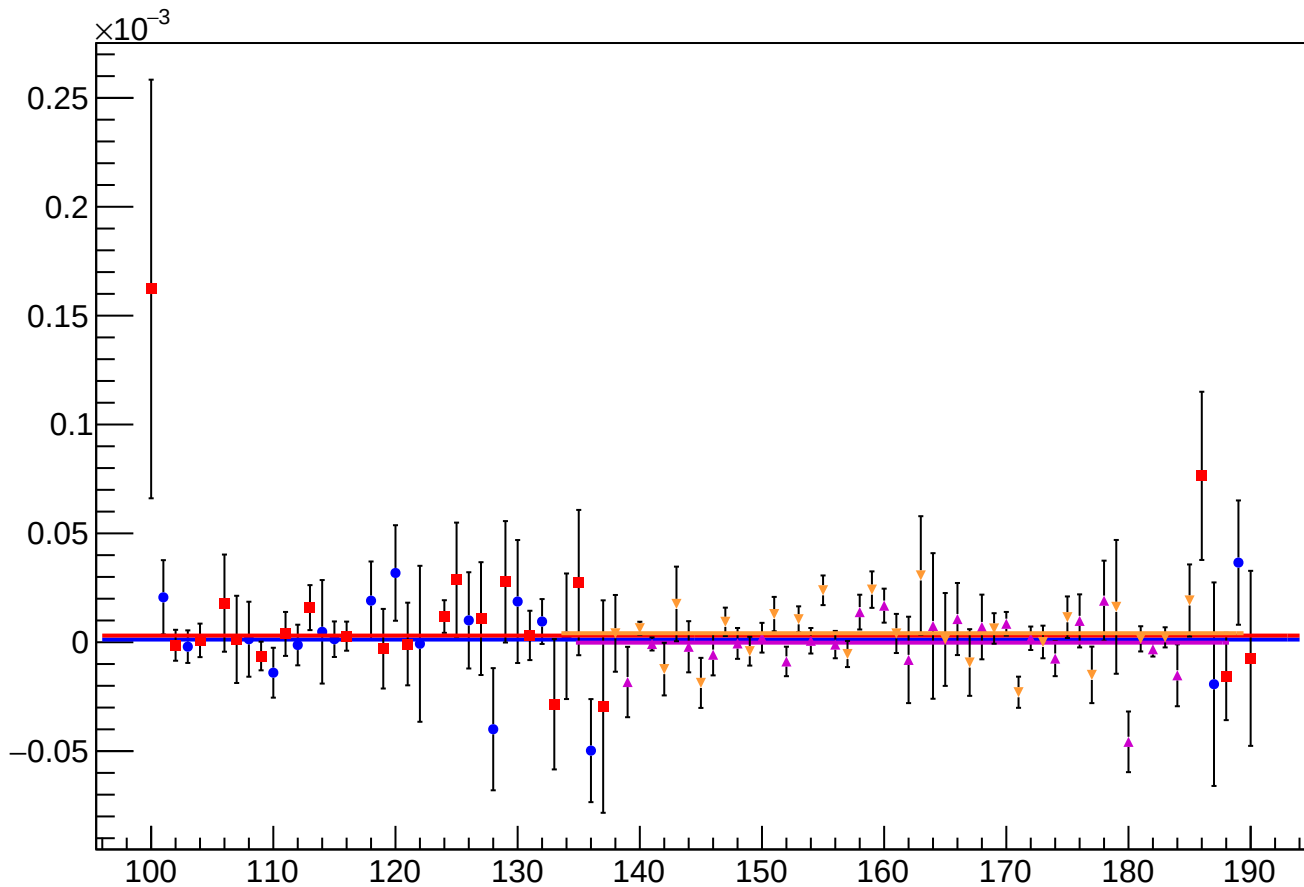
Left In: 228.199+/-0.040 χ^2/NDF : 2488915.3/22

+ sign 186.035+/-0.028 χ^2/NDF : 7205464.7/42

All: 169.876+/-0.018 χ^2/NDF : 18662790.9/87

- sign 157.160+/-0.025 χ^2/NDF : 10849491.1/44

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 16.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 48.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 17.3/21

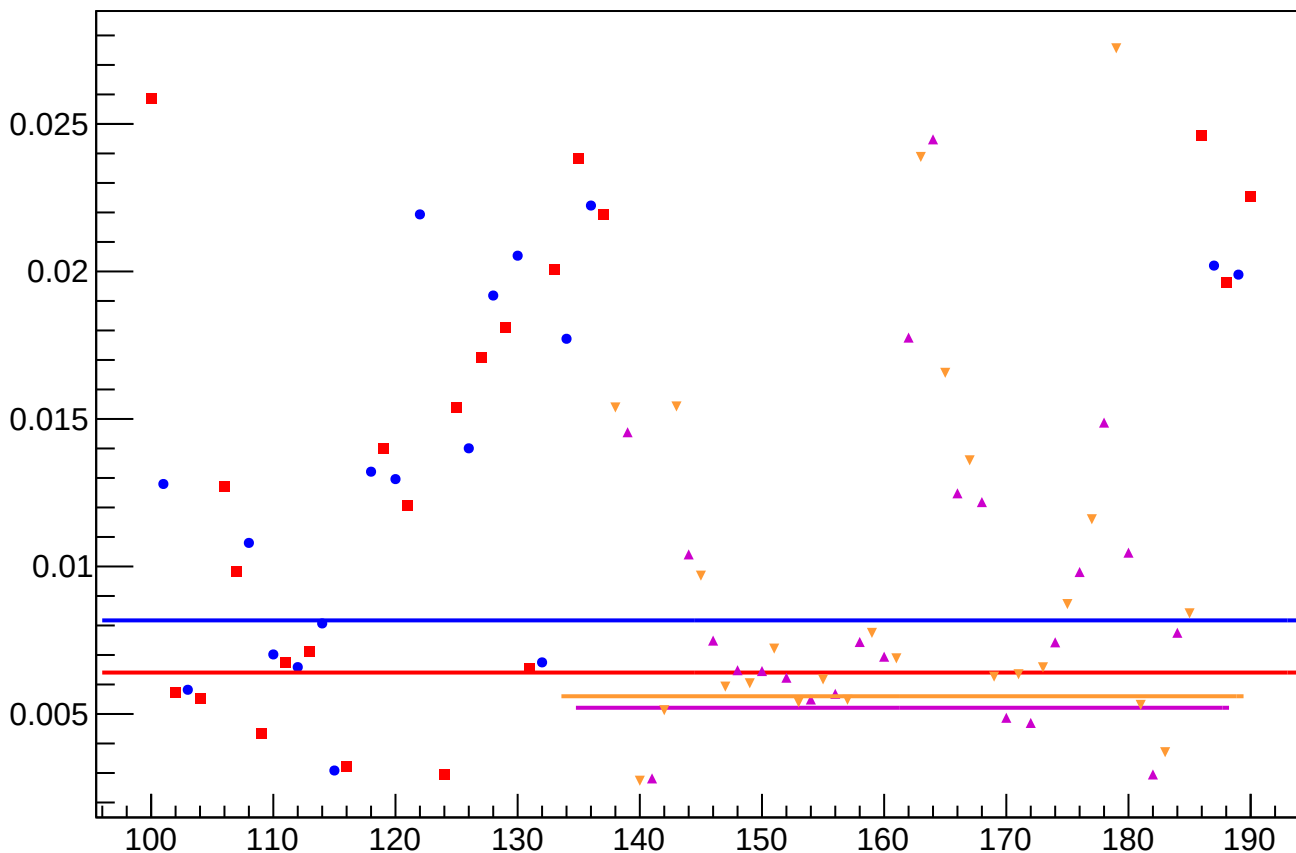
Left In: -0.000 $\pm$ 0.000 χ^2/NDF : 30.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 65.4/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 116.8/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 48.5/44

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 4056762.3/17

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 7769287.5/24

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 5689703.2/21

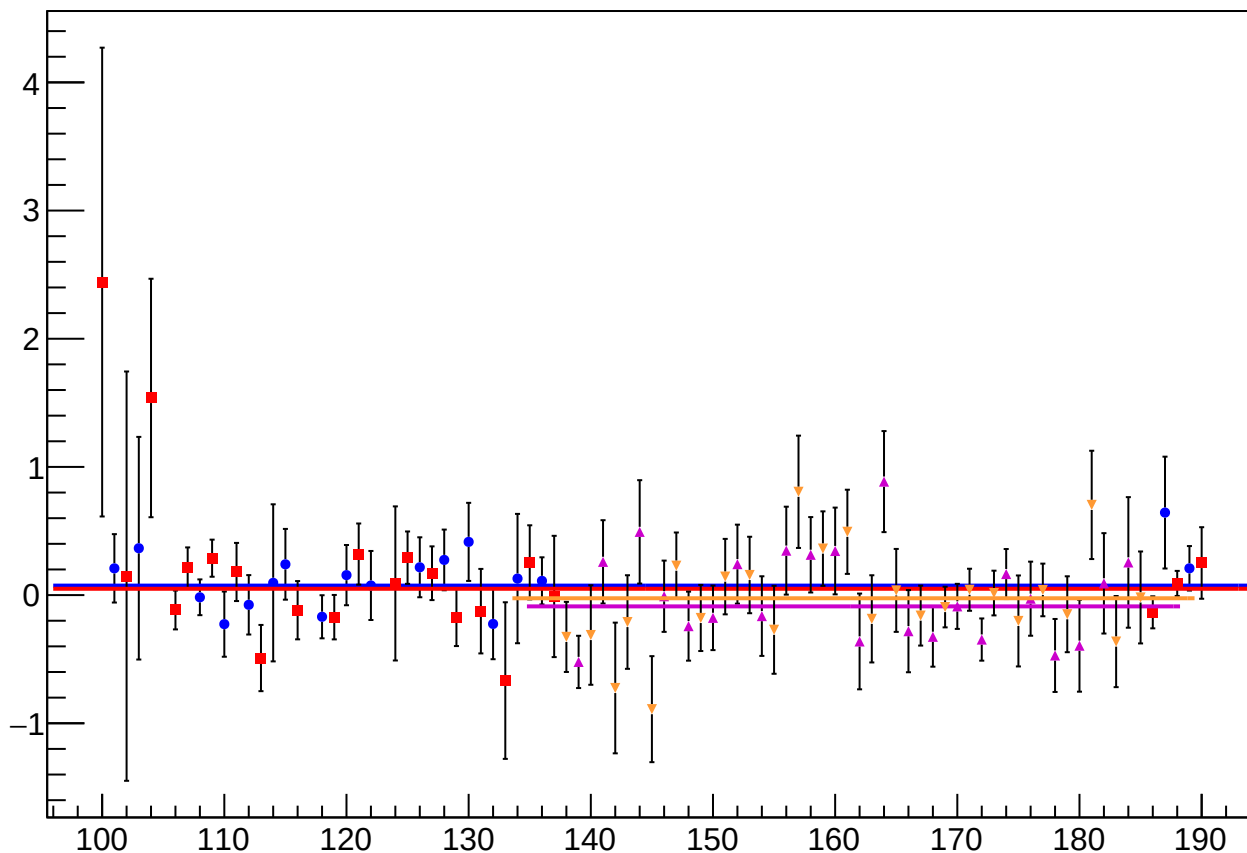
Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 7460452.2/22

+ sign 0.006 $\pm$ 0.000 χ^2/NDF : 12777349.6/42

All: 0.006 $\pm$ 0.000 χ^2/NDF : 26404681.3/87

- sign 0.005 $\pm$ 0.000 χ^2/NDF : 13473322.7/44

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.074 ± 0.056 $\chi^2/\text{NDF}: 11.1/17$

Left Out: -0.025 ± 0.055 $\chi^2/\text{NDF}: 24.1/24$

Right Out: 0.049 ± 0.044 $\chi^2/\text{NDF}: 25.2/21$

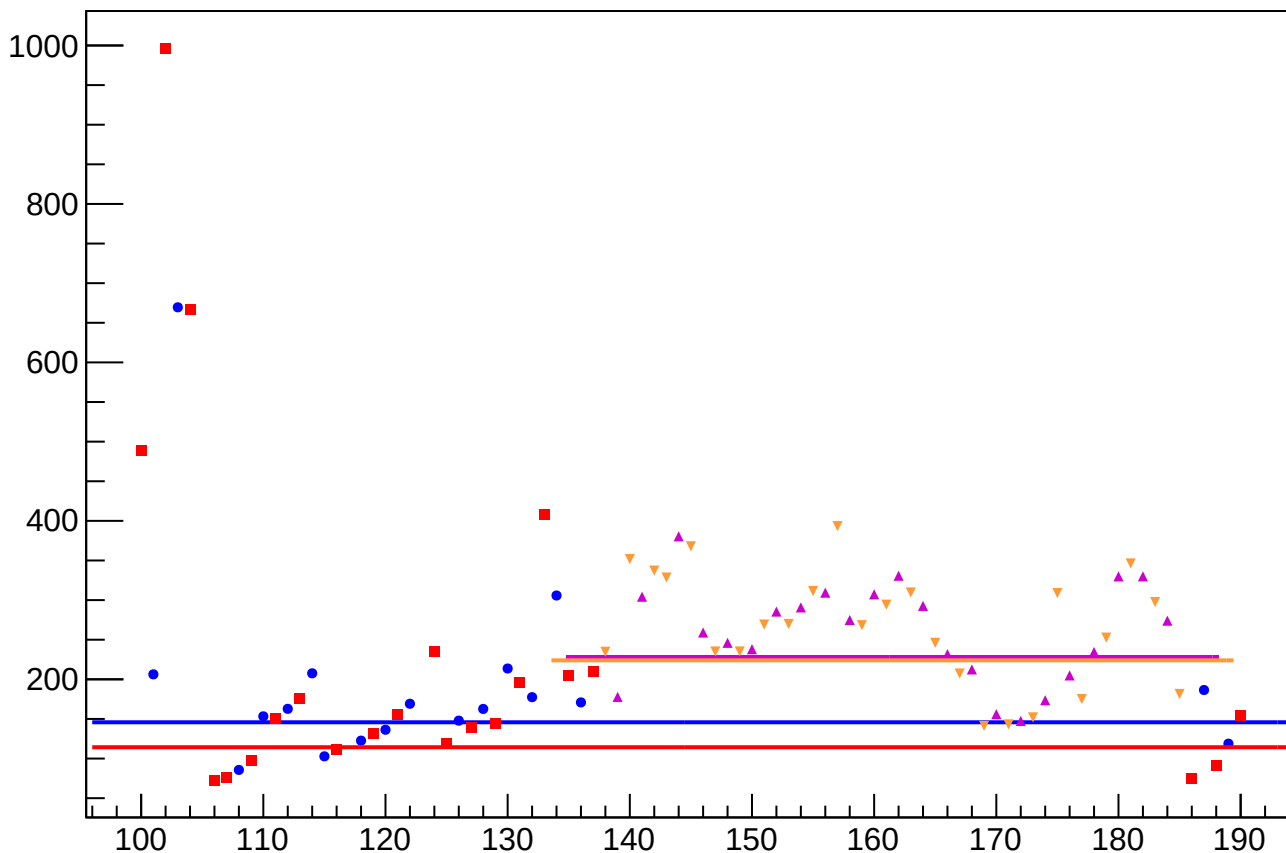
Left In: -0.088 ± 0.057 $\chi^2/\text{NDF}: 30.0/22$

+ sign 0.023 ± 0.039 $\chi^2/\text{NDF}: 36.7/42$

All: 0.009 ± 0.026 $\chi^2/\text{NDF}: 95.8/87$

- sign -0.002 ± 0.035 $\chi^2/\text{NDF}: 58.8/44$

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 145.781+/-0.040 χ^2/NDF : 1779244.2/17

Left Out: 223.946+/-0.039 χ^2/NDF : 3438541.7/24

Right Out: 114.294+/-0.031 χ^2/NDF : 3318582.7/21

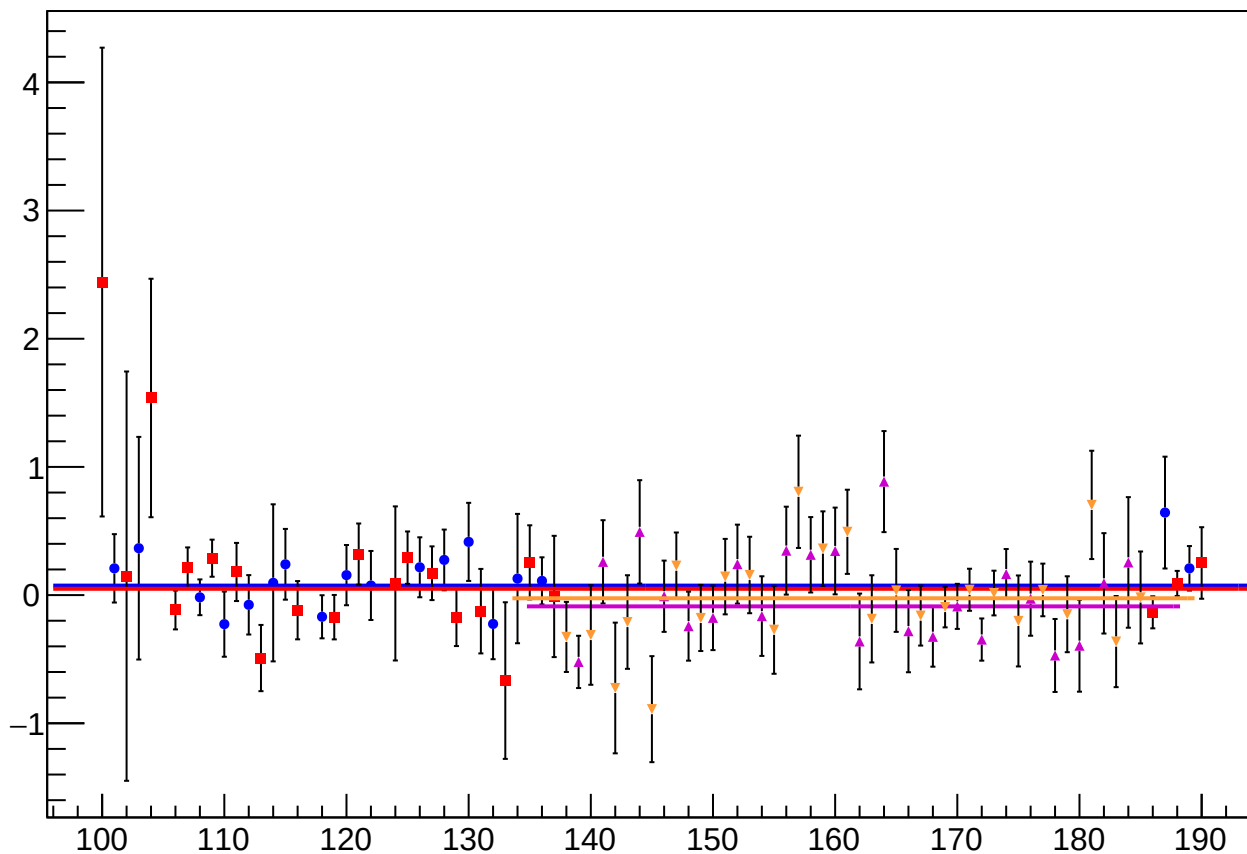
Left In: 228.201+/-0.040 χ^2/NDF : 2488951.6/22

+ sign 186.033+/-0.028 χ^2/NDF : 7205942.7/42

All: 169.878+/-0.018 χ^2/NDF : 18662284.7/87

- sign 157.165+/-0.025 χ^2/NDF : 10848799.6/44

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.074 ± 0.056 $\chi^2/\text{NDF}: 11.1/17$

Left Out: -0.025 ± 0.055 $\chi^2/\text{NDF}: 24.1/24$

Right Out: 0.049 ± 0.044 $\chi^2/\text{NDF}: 25.2/21$

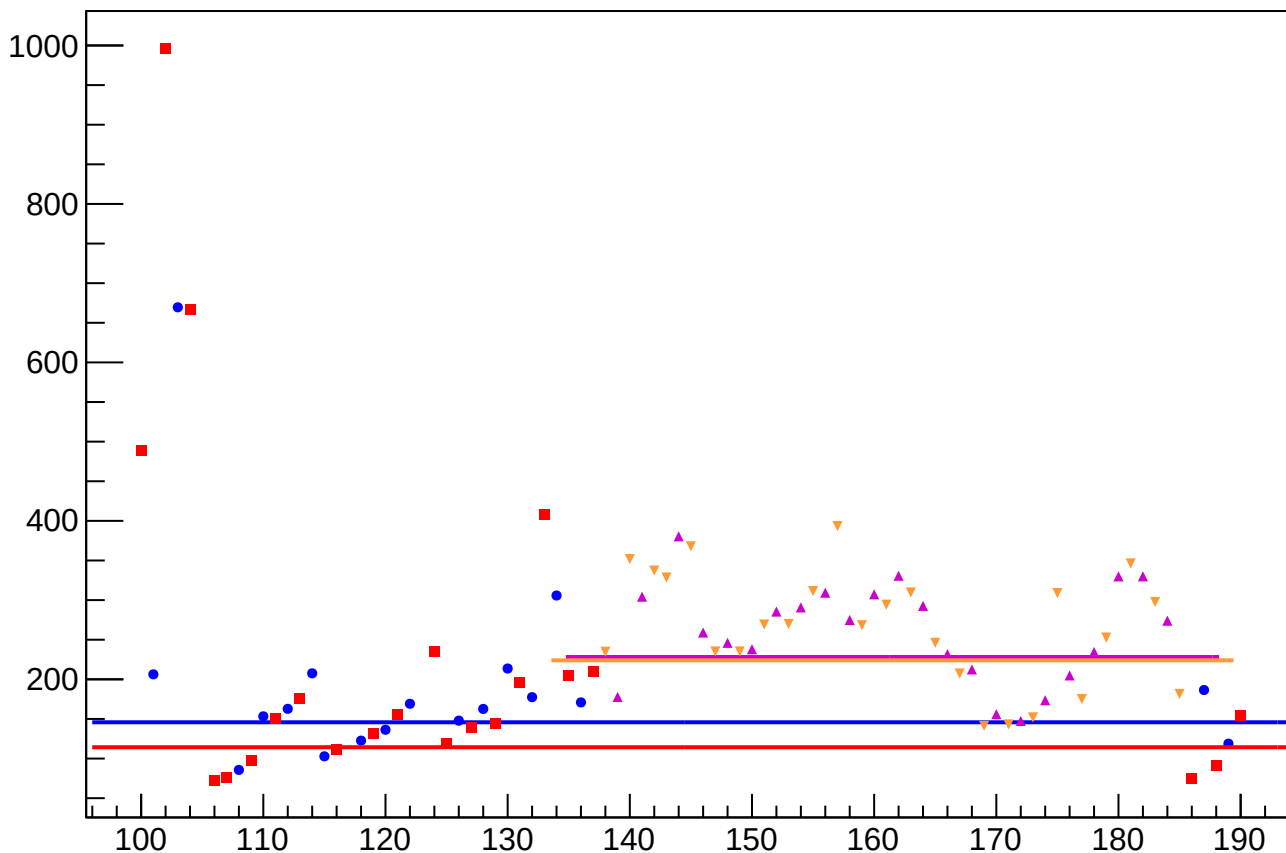
Left In: -0.088 ± 0.057 $\chi^2/\text{NDF}: 30.0/22$

+ sign 0.023 ± 0.039 $\chi^2/\text{NDF}: 36.7/42$

All: 0.009 ± 0.026 $\chi^2/\text{NDF}: 95.8/87$

- sign -0.002 ± 0.035 $\chi^2/\text{NDF}: 58.8/44$

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.781+/-0.040 χ^2/NDF : 1779244.2/17

Left Out: 223.946+/-0.039 χ^2/NDF : 3438541.7/24

Right Out: 114.294+/-0.031 χ^2/NDF : 3318582.7/21

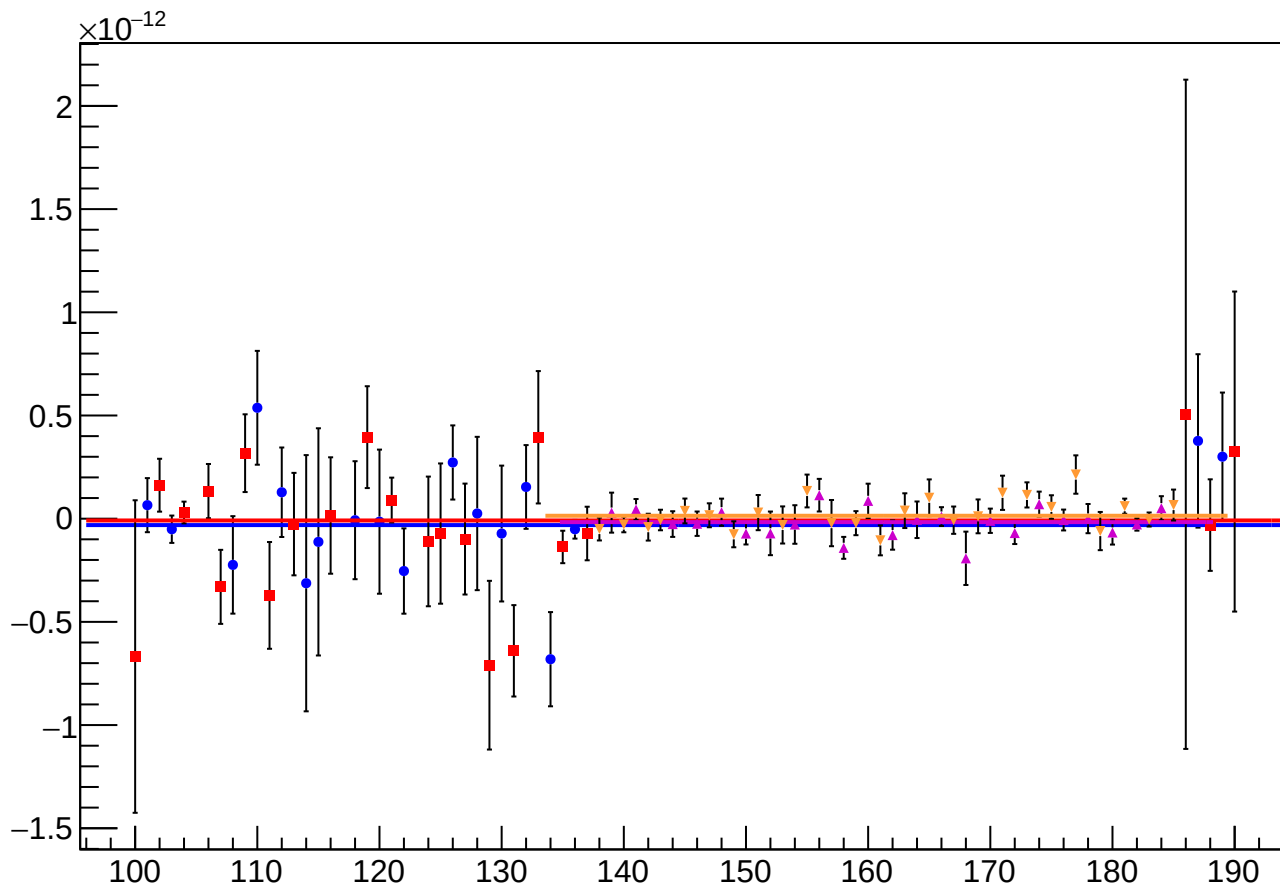
Left In: 228.201+/-0.040 χ^2/NDF : 2488951.6/22

+ sign 186.033+/-0.028 χ^2/NDF : 7205942.7/42

All: 169.878+/-0.018 χ^2/NDF : 18662284.7/87

- sign 157.165+/-0.025 χ^2/NDF : 10848799.6/44

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.6/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 32.1/21

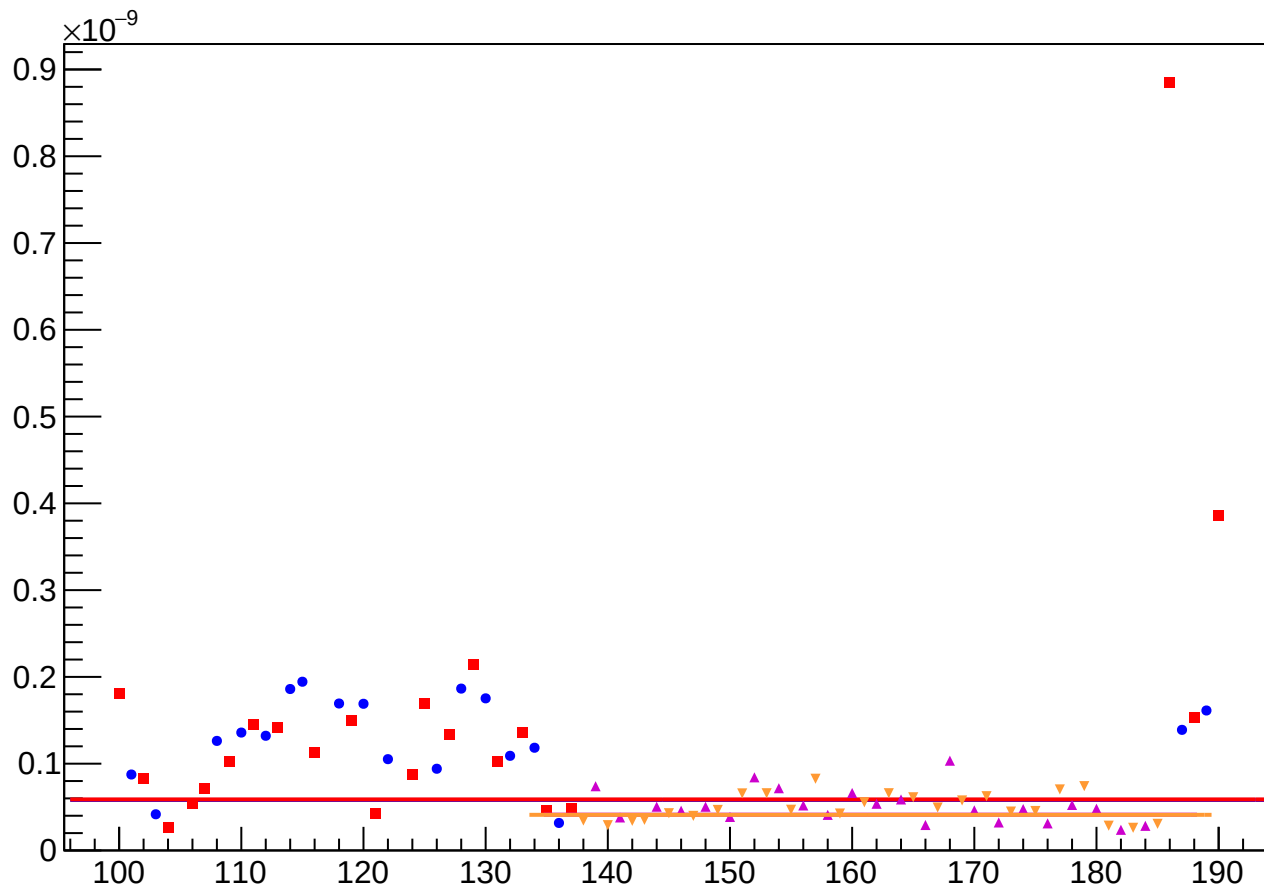
Left In: -0.000 ± 0.000 χ^2/NDF : 21.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 48.7/42

All: -0.000 ± 0.000 χ^2/NDF : 104.8/87

- sign -0.000 ± 0.000 χ^2/NDF : 53.9/44

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3411850.2/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3990018.7/21

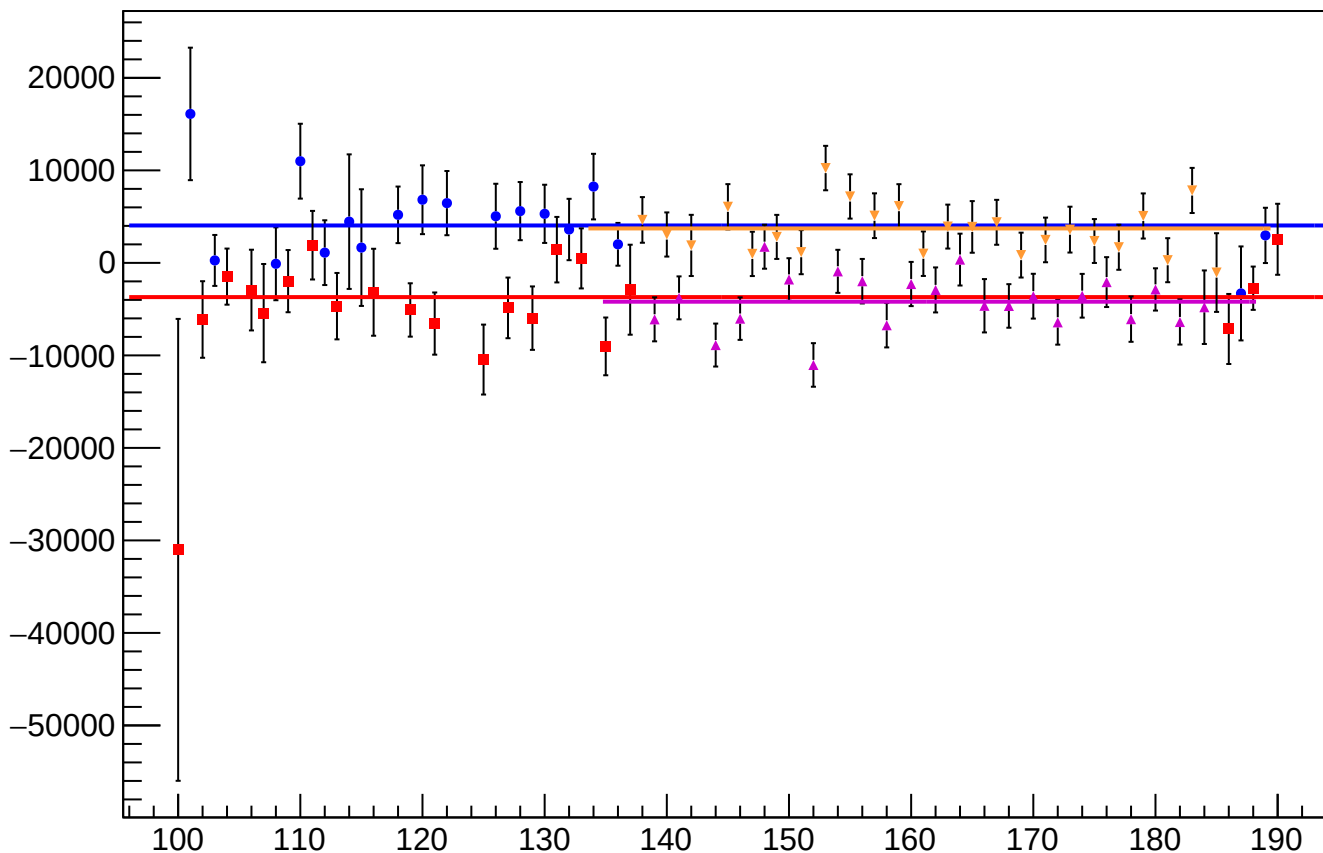
Left In: 0.000+/-0.000 χ^2/NDF : 2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 6563021.4/42

All: 0.000+/-0.000 χ^2/NDF : 13940463.2/87

- sign 0.000+/-0.000 χ^2/NDF : 7376593.3/44

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4044.179 $\pm$ 828.621 χ^2 /NDF: 15.7/17

Left Out: 3723.486 $\pm$ 507.155 χ^2 /NDF:25.4/23

Right Out: -3698.807 $\pm$ 781.440 χ^2 /NDF: 19.9/20

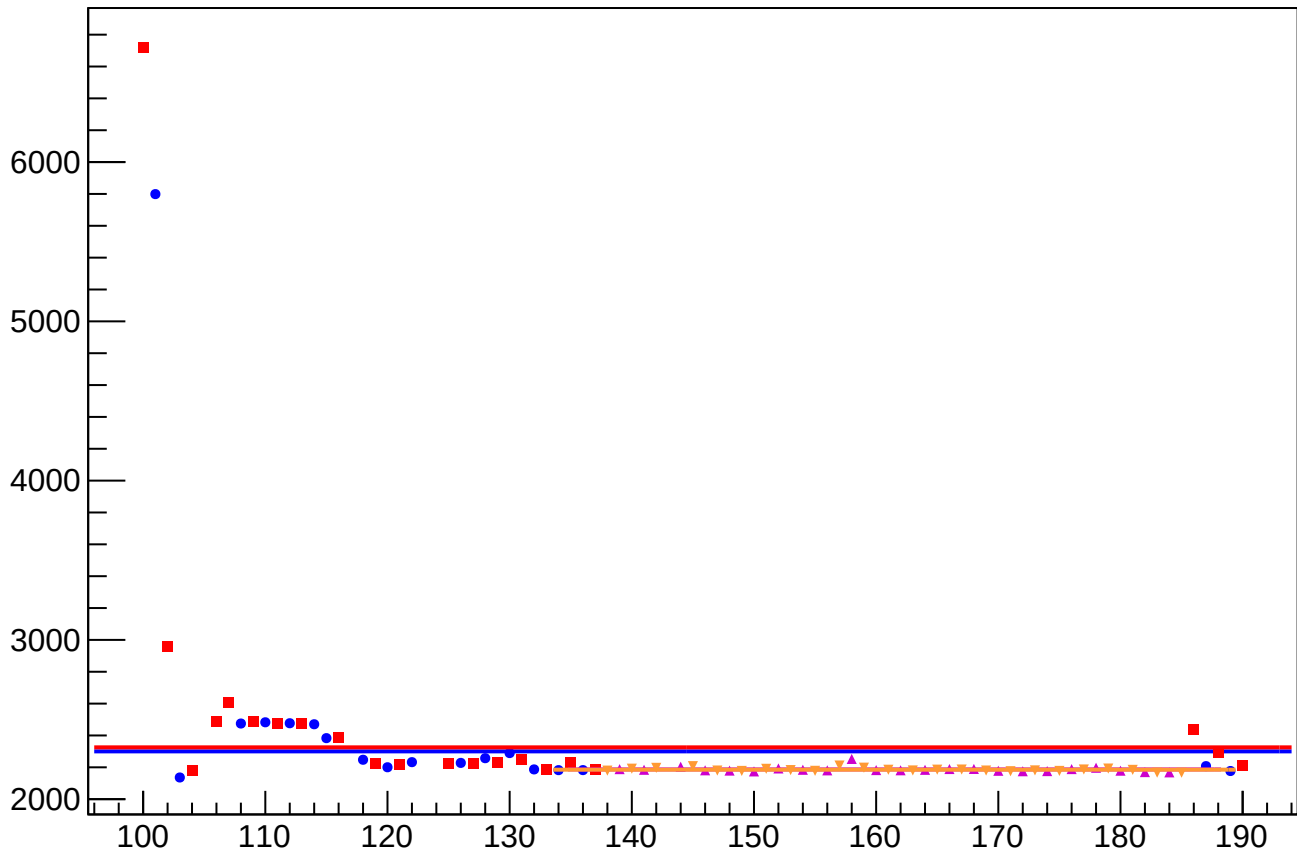
Left In: -4195.942 $\pm$ 510.578 χ^2 /NDF:32.1/22

+ sign 3810.880 $\pm$ 432.566 χ^2 /NDF: 41.3/41

All: -165.096 $\pm$ 304.038 χ^2 /NDF: 260.5/85

- sign -4047.207 $\pm$ 427.429 χ^2 /NDF: 52.3/43

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2300.090+/-0.586 χ^2/NDF : 516903.8/17

Left Out: 2185.133+/-0.359 χ^2/NDF :815.1/23

Right Out: 2325.330 $\pm$ 0.553 χ^2 /NDF: 155224.0/20

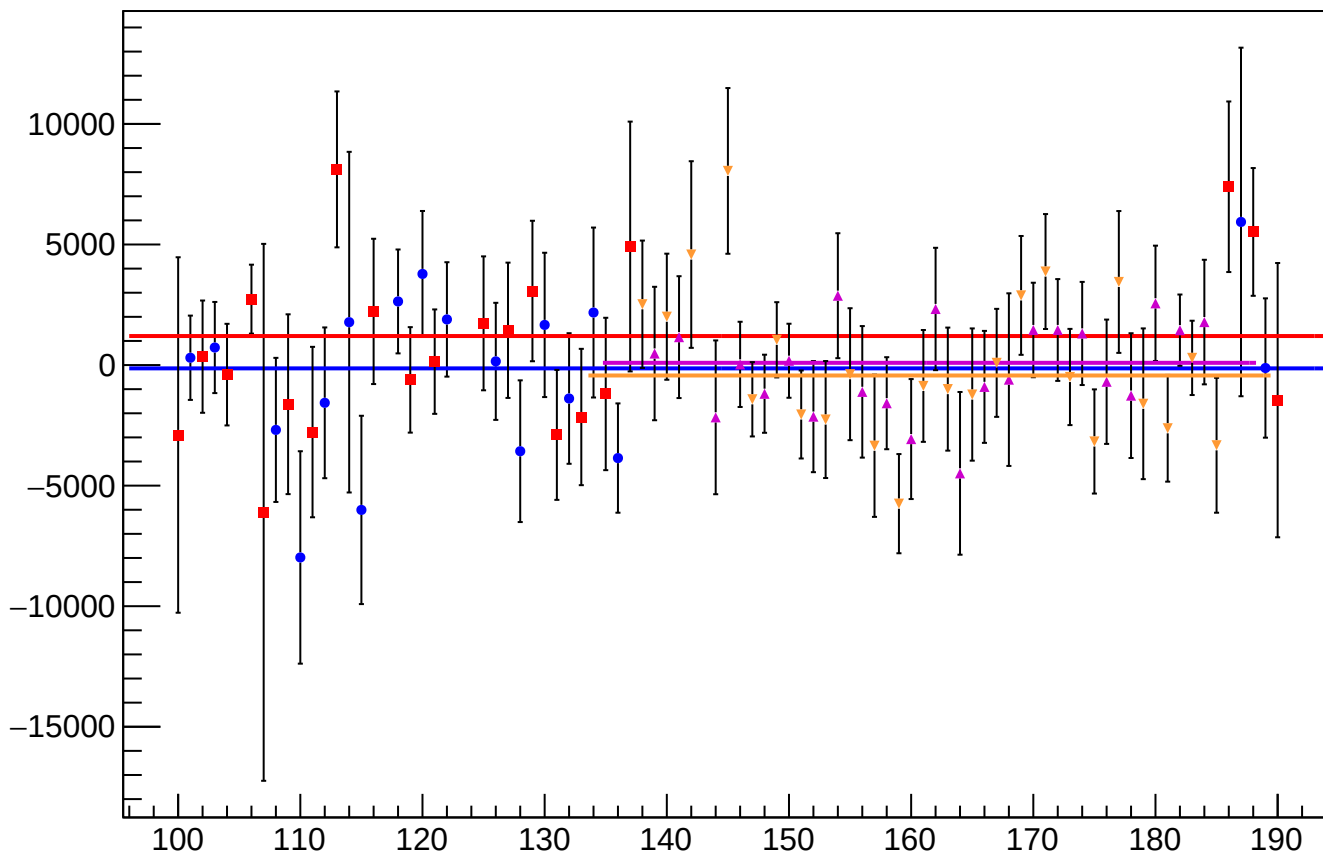
Left In: 2186.745+/-0.361 χ^2/NDF :2063.9/22

+ sign 2216.460+/-0.306 χ^2/NDF : 545722.4/41

All: 2222.404+/-0.215 χ^2/NDF : 747839.9/85

- sign 2228.208 $\pm$ 0.302 χ^2 /NDF: 201371.2/43

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug



Right In: -137.490+/-639.361 χ^2/NDF : 17.1/17

Left Out: -432.286+/-462.383 χ^2/NDF : 31.3/23

Right Out: 1203.630+/-604.771 χ^2/NDF : 21.3/20

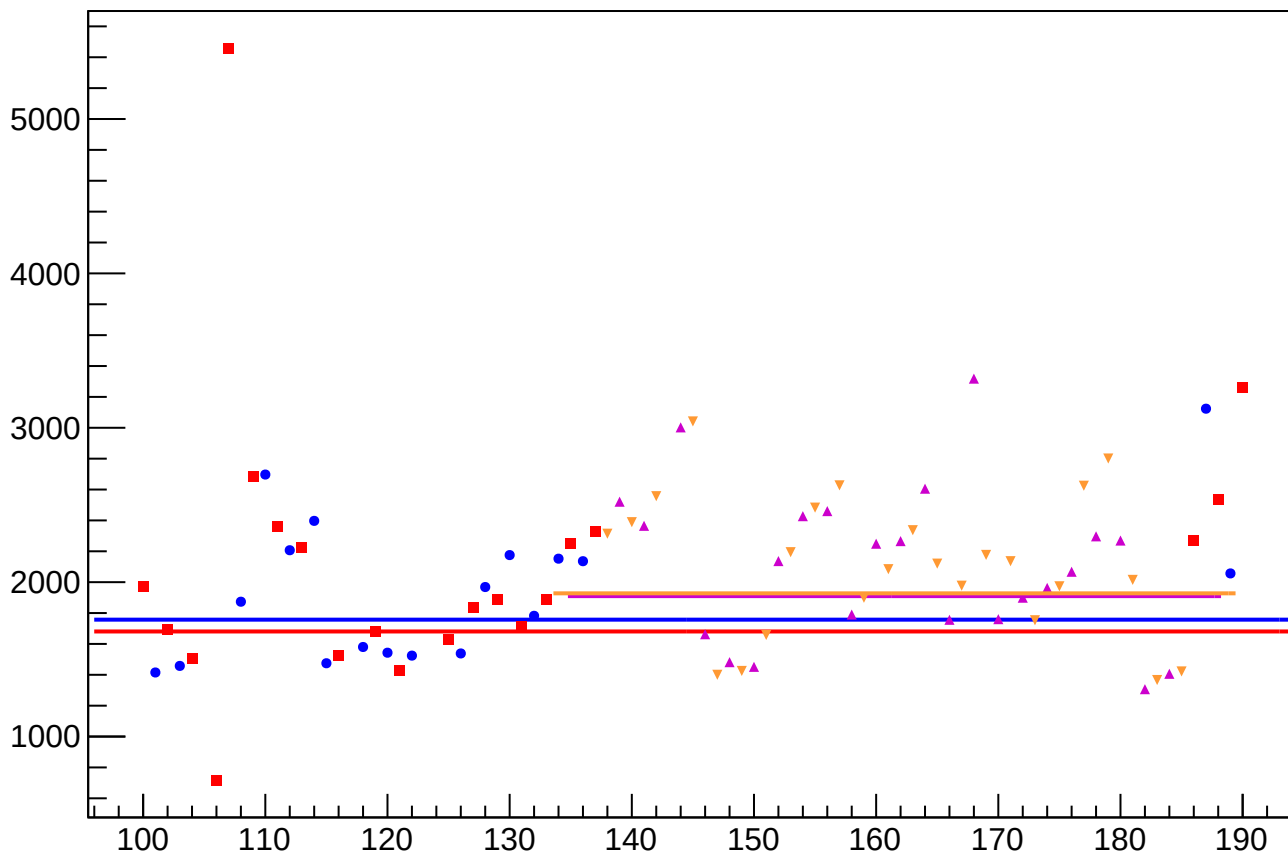
Left In: 92.649+/-460.669 χ^2/NDF : 12.8/22

+ sign -331.051+/-374.671 χ^2/NDF : 48.6/41

All: 93.973+/-261.982 χ^2/NDF : 87.3/85

- sign 500.577+/-366.462 χ^2/NDF : 36.2/43

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug



Right In: 1757.176 $\pm$ 0.452 χ^2/NDF : 575245.3/17

Left Out: 1927.660 $\pm$ 0.327 χ^2/NDF : 1798383.1/23

Right Out: 1680.661 $\pm$ 0.428 χ^2/NDF : 2012905.0/20

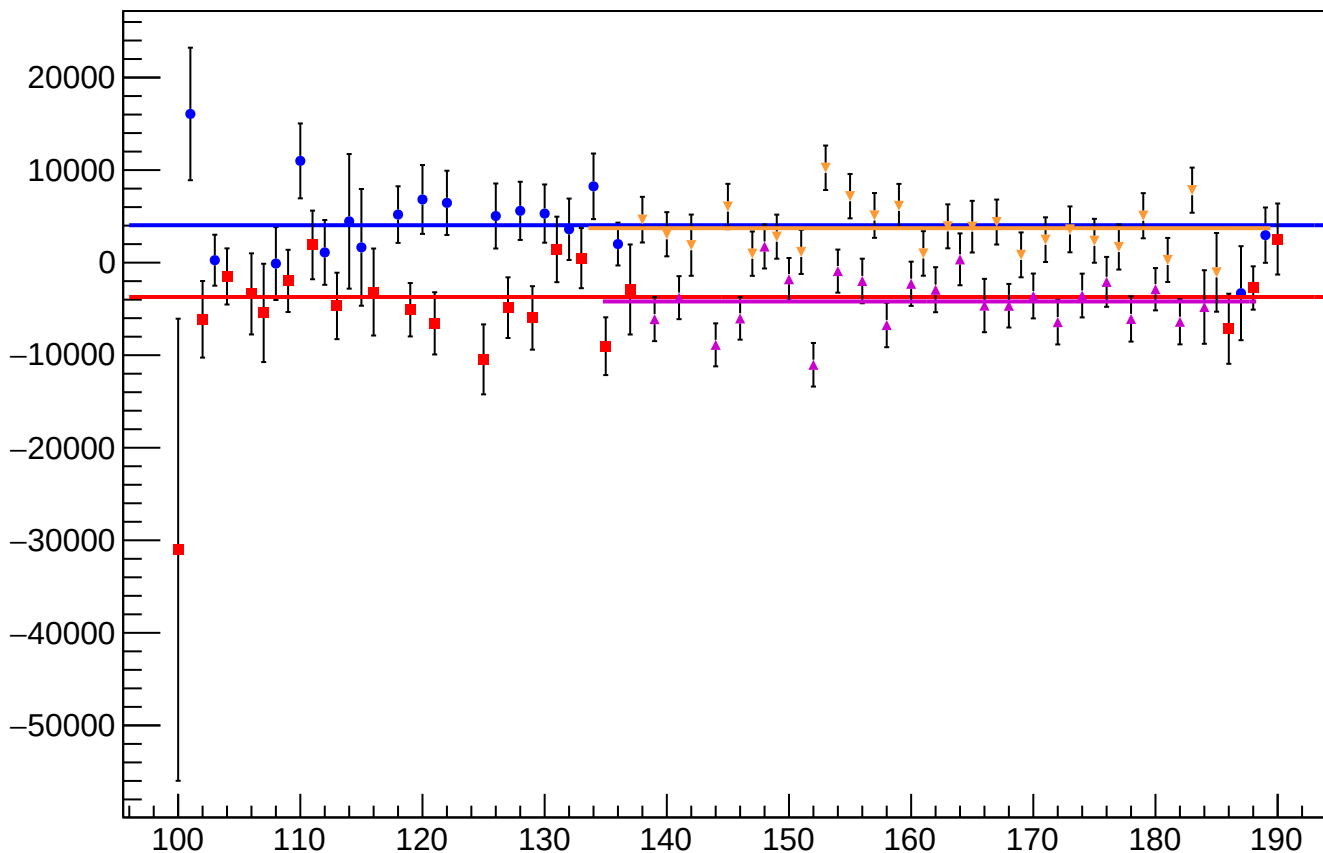
Left In: 1909.612 $\pm$ 0.326 χ^2/NDF : 1942264.8/22

+ sign 1869.115 $\pm$ 0.265 χ^2/NDF : 2466997.5/41

All: 1846.848 $\pm$ 0.185 χ^2/NDF : 6617379.9/85

- sign 1825.546 $\pm$ 0.259 χ^2/NDF : 4136560.7/43

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4043.598 $\pm$ 828.621 χ^2 /NDF: 15.7/17

Left Out: 3723.433 $\pm$ 507.155 χ^2 /NDF:25.4/23

Right Out: -3713.331 $\pm$ 781.549 χ^2 /NDF: 19.9/20

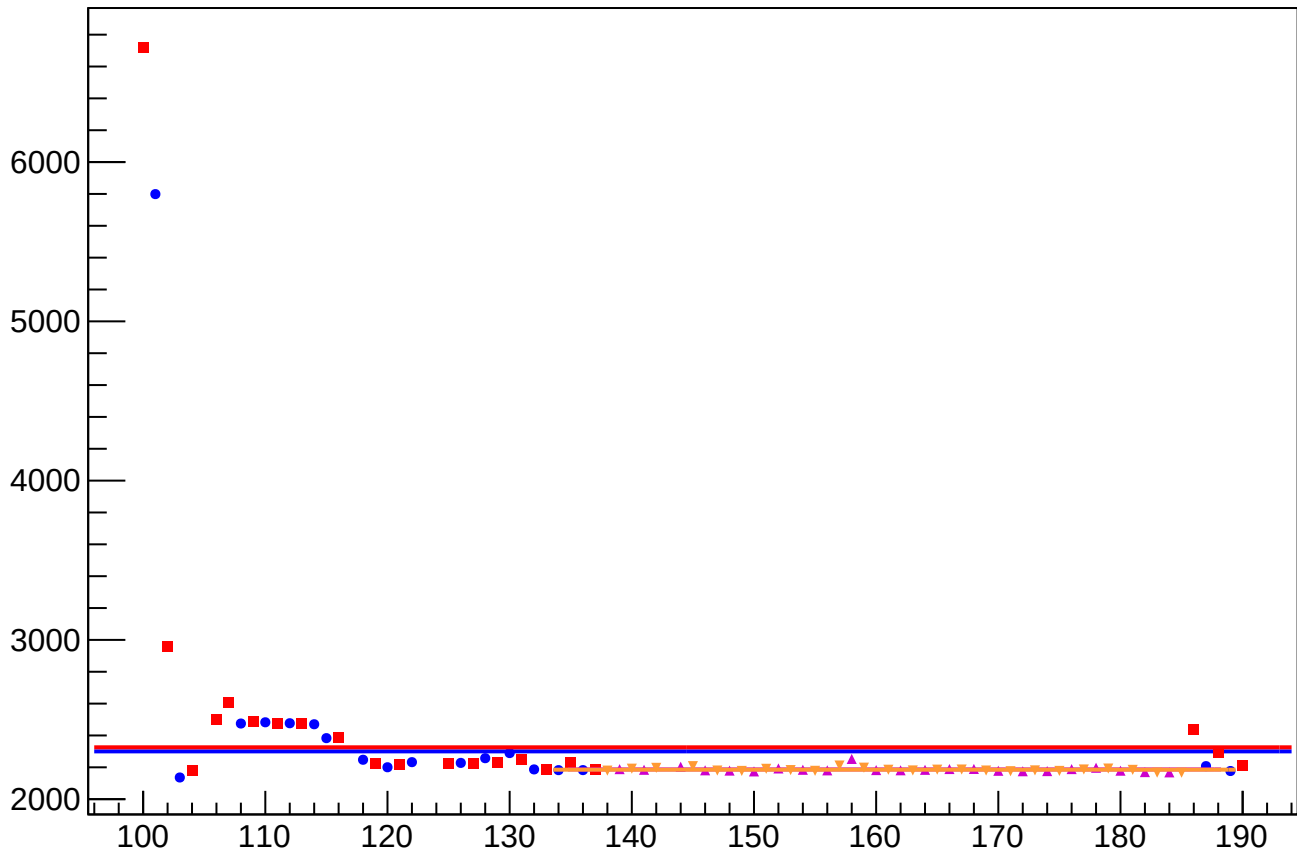
Left In: -4196.060 $\pm$ 510.578 χ^2 /NDF:32.1/22

+ sign 3810.683 $\pm$ 432.566 χ^2 /NDF: 41.3/41

All: -167.285 $\pm$ 304.044 χ^2 /NDF: 260.7/85

- sign -4051.664 $\pm$ 427.447 χ^2 /NDF: 52.3/43

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2300.090 $\pm$ 0.586 χ^2 /NDF: 516904.2/17

Left Out: 2185.133 $\pm$ 0.359 χ^2 /NDF:815.1/23

Right Out: 2325.626 $\pm$ 0.553 χ^2 /NDF: 155579.6/20

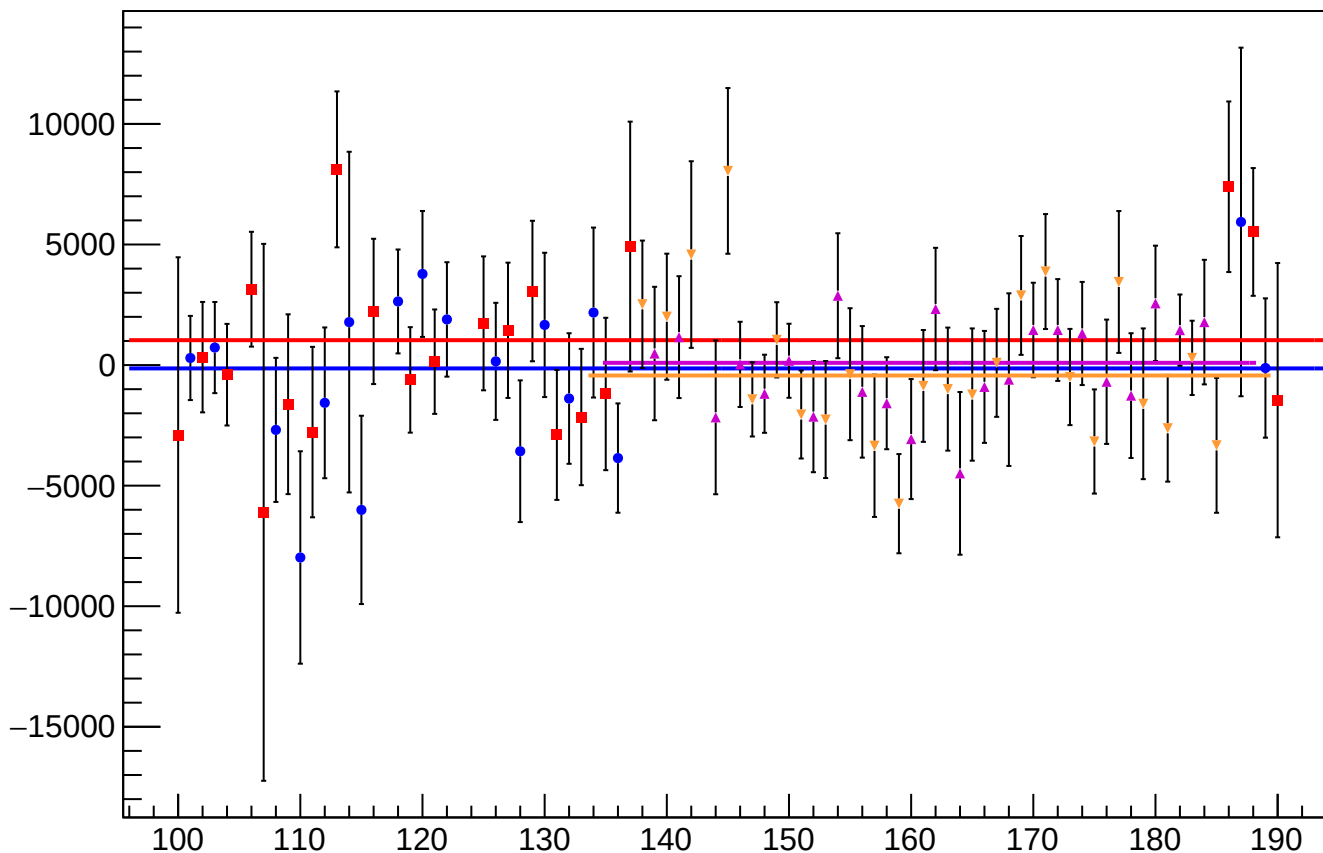
Left In: 2186.745 $\pm$ 0.361 χ^2 /NDF:2063.9/22

+ sign 2216.460 $\pm$ 0.306 χ^2 /NDF: 545722.7/41

All: 2222.445 $\pm$ 0.215 χ^2 /NDF: 748385.8/85

- sign 2228.288 $\pm$ 0.302 χ^2 /NDF: 201906.5/43

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug



Right In: -138.530+/-639.243 χ^2/NDF : 17.1/17

Left Out: -432.320+/-462.383 χ^2/NDF : 31.3/23

Right Out: 1032.281+/-641.847 χ^2/NDF : 20.7/20

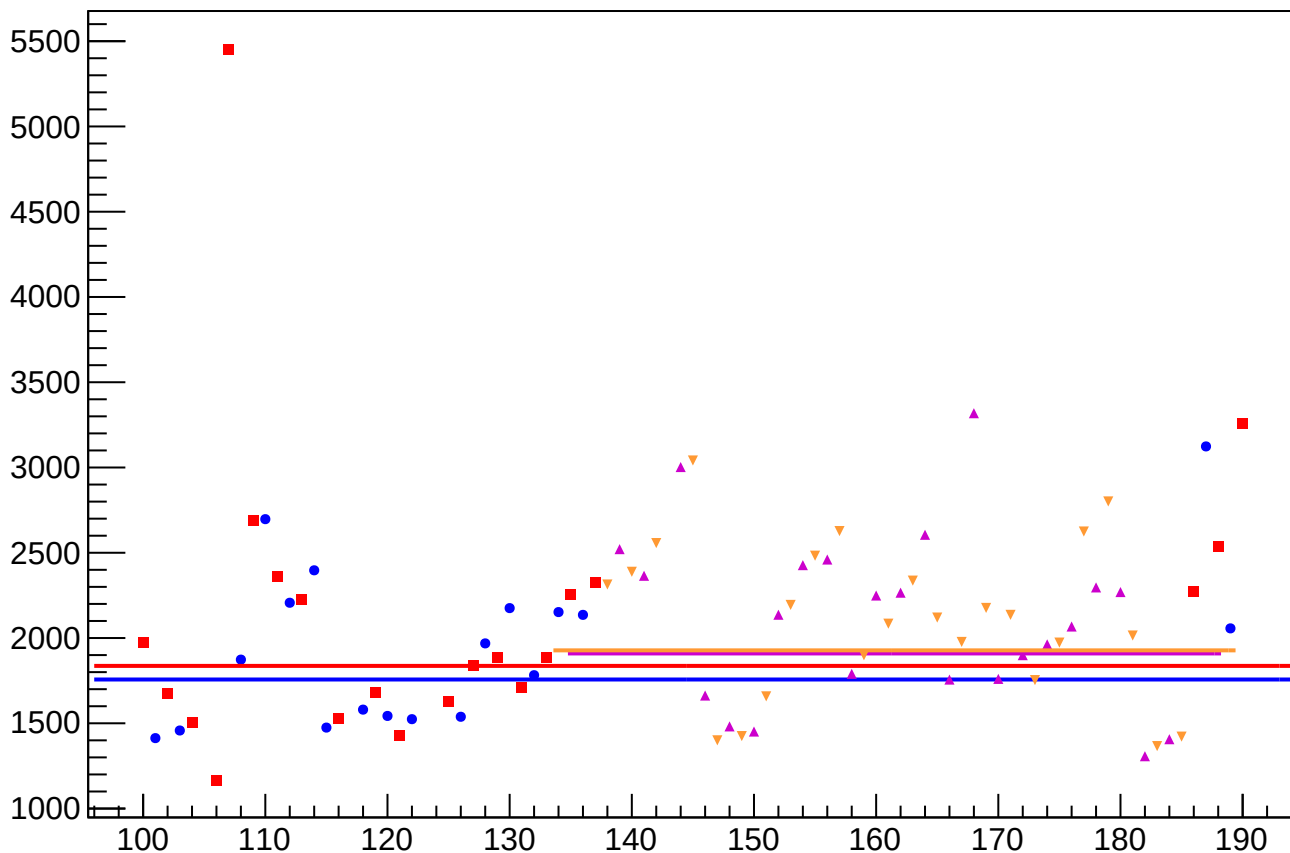
Left In: 92.604+/-460.670 χ^2/NDF : 12.8/22

+ sign -331.406+/-374.647 χ^2/NDF : 48.6/41

All: 40.731+/-264.776 χ^2/NDF : 85.4/85

- sign 412.085+/-374.253 χ^2/NDF : 34.9/43

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1756.798 $\pm$ 0.452 χ^2 /NDF: 576308.6/17

Left Out: 1927.659 $\pm$ 0.327 χ^2 /NDF: 1798407.2/23

Right Out: 1836.587 $\pm$ 0.454 χ^2 /NDF: 1075120.7/20

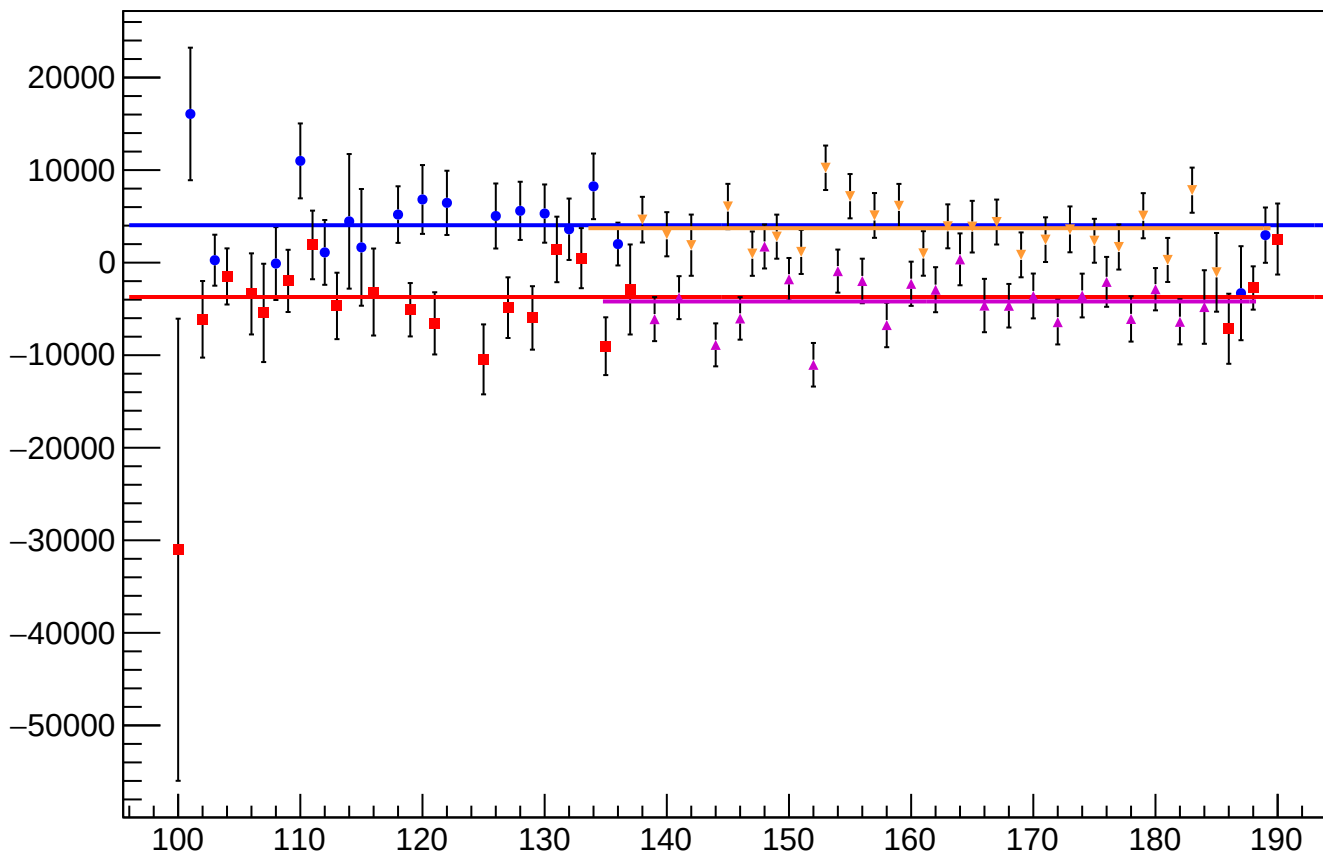
Left In: 1909.618 $\pm$ 0.326 χ^2 /NDF: 1942286.8/22

+ sign 1868.970 $\pm$ 0.265 χ^2 /NDF: 2468520.4/41

All: 1876.887 $\pm$ 0.187 χ^2 /NDF: 5504801.8/85

- sign 1884.788 $\pm$ 0.265 χ^2 /NDF: 3034496.9/43

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4043.598 $\pm$ 828.621 χ^2 /NDF: 15.7/17

Left Out: 3723.433 $\pm$ 507.155 χ^2 /NDF:25.4/23

Right Out: -3713.331 $\pm$ 781.549 χ^2 /NDF: 19.9/20

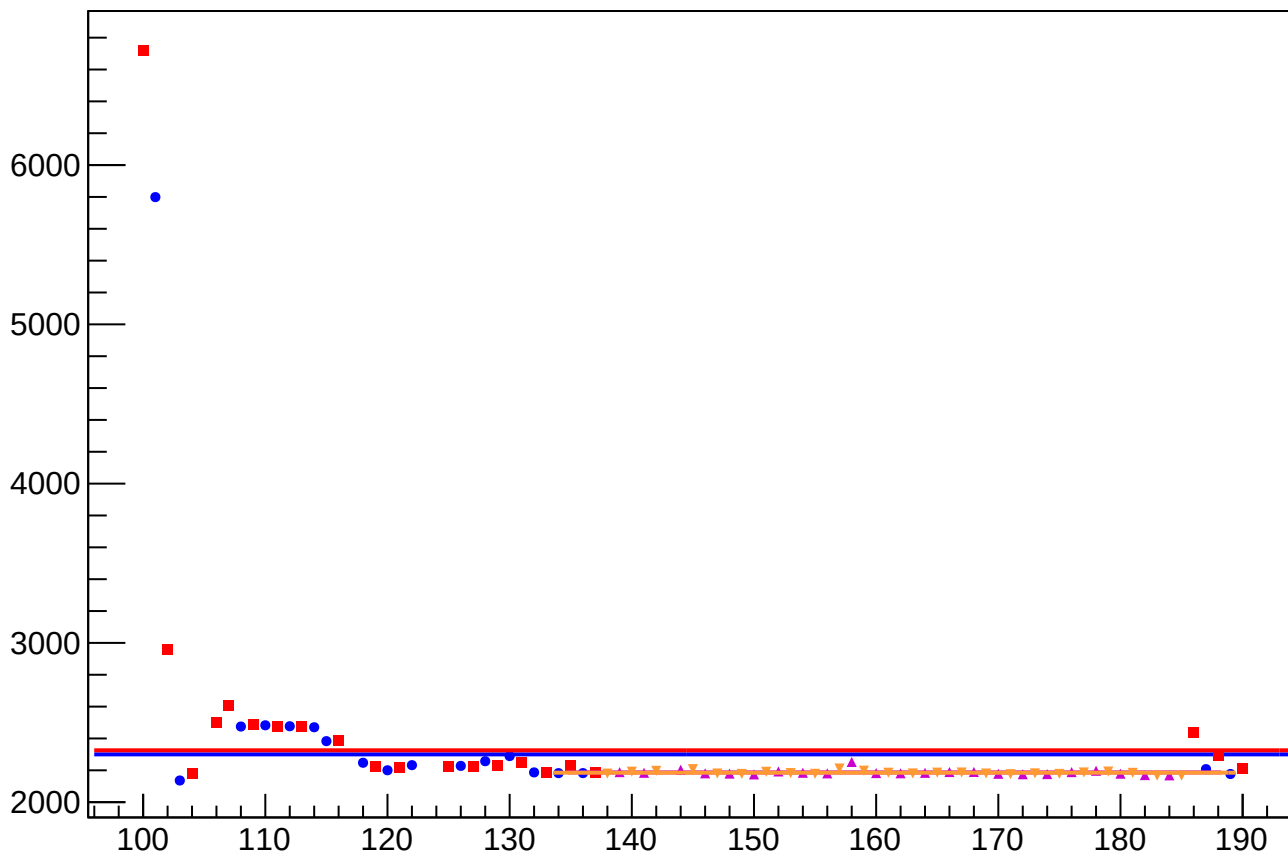
Left In: -4196.060 $\pm$ 510.578 χ^2 /NDF:32.1/22

+ sign 3810.683 $\pm$ 432.566 χ^2 /NDF: 41.3/41

All: -167.285 $\pm$ 304.044 χ^2 /NDF: 260.7/85

- sign -4051.664 $\pm$ 427.447 χ^2 /NDF: 52.3/43

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2300.090+/-0.586 χ^2/NDF : 516904.2/17

Left Out: 2185.133+/-0.359 χ^2/NDF : 815.1/23

Right Out: 2325.626+/-0.553 χ^2/NDF : 155579.6/20

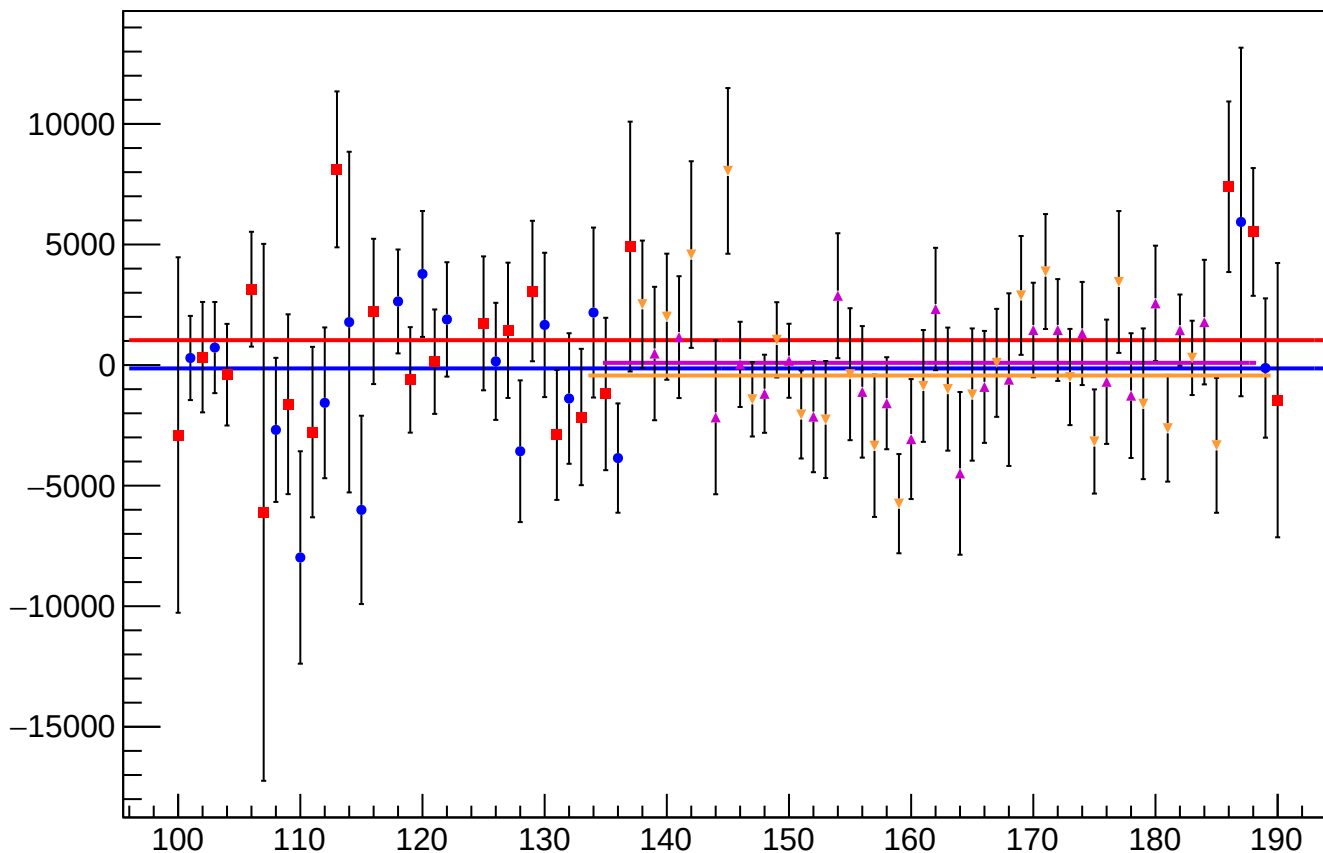
Left In: 2186.745+/-0.361 χ^2/NDF : 2063.9/22

+ sign 2216.460+/-0.306 χ^2/NDF : 545722.7/41

All: 2222.445+/-0.215 χ^2/NDF : 748385.8/85

- sign 2228.288+/-0.302 χ^2/NDF : 201906.5/43

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -138.530+/-639.243 χ^2/NDF : 17.1/17

Left Out: -432.320+/-462.383 χ^2/NDF : 31.3/23

Right Out: 1032.281+/-641.847 χ^2/NDF : 20.7/20

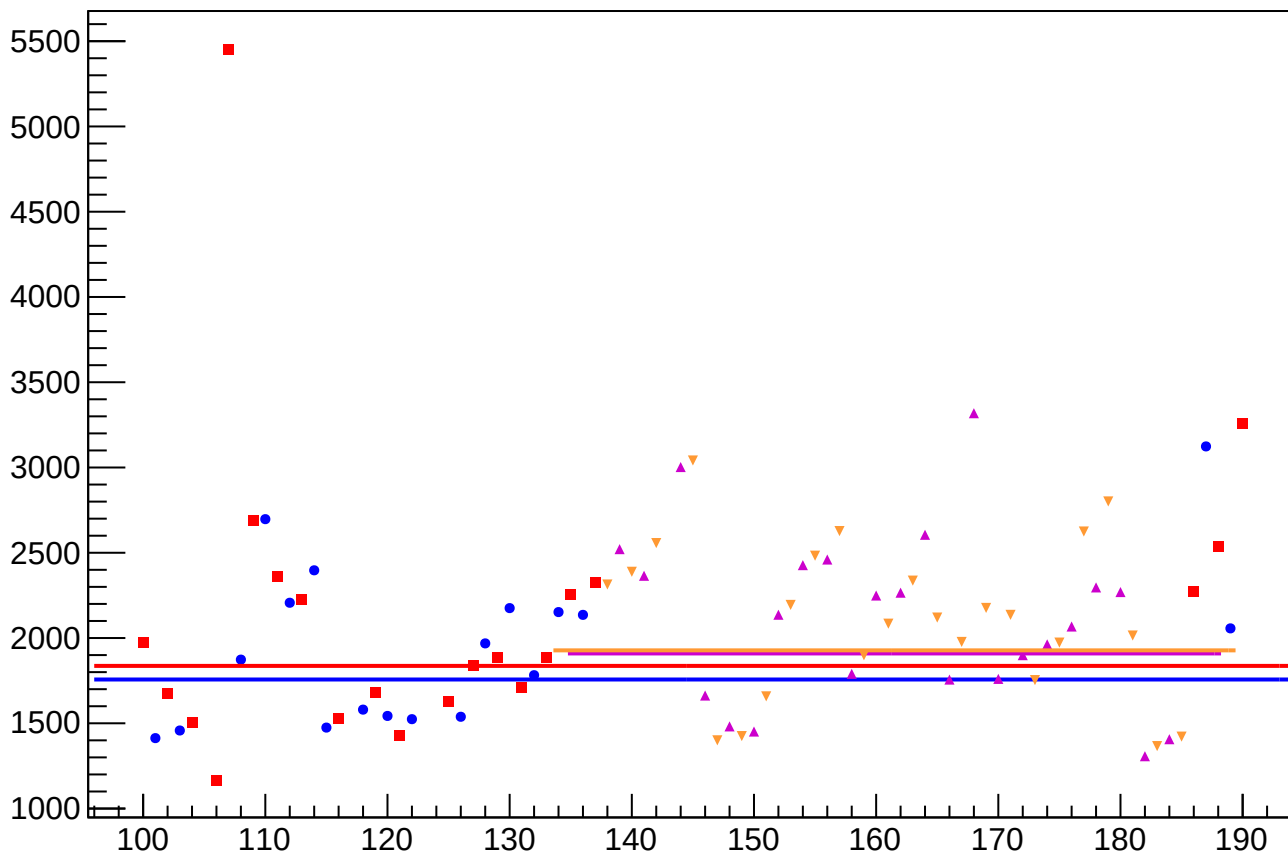
Left In: 92.604+/-460.670 χ^2/NDF : 12.8/22

+ sign -331.406+/-374.647 χ^2/NDF : 48.6/41

All: 40.731+/-264.776 χ^2/NDF : 85.4/85

- sign 412.085+/-374.253 χ^2/NDF : 34.9/43

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 1756.798 $\pm$ 0.452 χ^2 /NDF: 576308.6/17

Left Out: 1927.659 $\pm$ 0.327 χ^2 /NDF: 1798407.2/23

Right Out: 1836.587 $\pm$ 0.454 χ^2 /NDF: 1075120.7/20

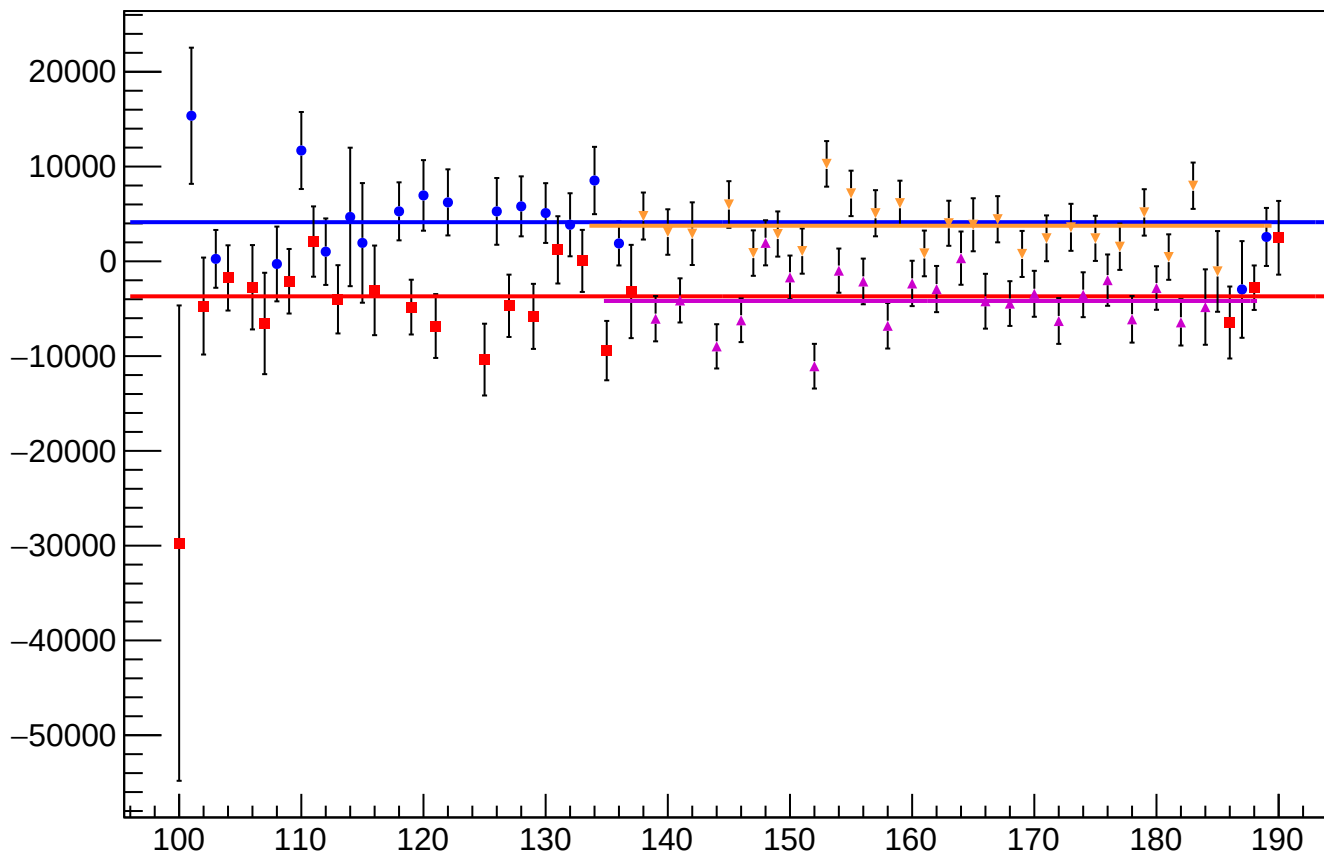
Left In: 1909.618 $\pm$ 0.326 χ^2 /NDF: 1942286.8/22

+ sign 1868.970 $\pm$ 0.265 χ^2 /NDF: 2468520.4/41

All: 1876.887 $\pm$ 0.187 χ^2 /NDF: 5504801.8/85

- sign 1884.788 $\pm$ 0.265 χ^2 /NDF: 3034496.9/43

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4131.572 $\pm$ 839.547 χ^2 /NDF: 15.9/17

Left Out: 3754.065 $\pm$ 508.568 χ^2 /NDF:25.7/23

Right Out: -3692.812 $\pm$ 796.008 χ^2 /NDF: 18.8/20

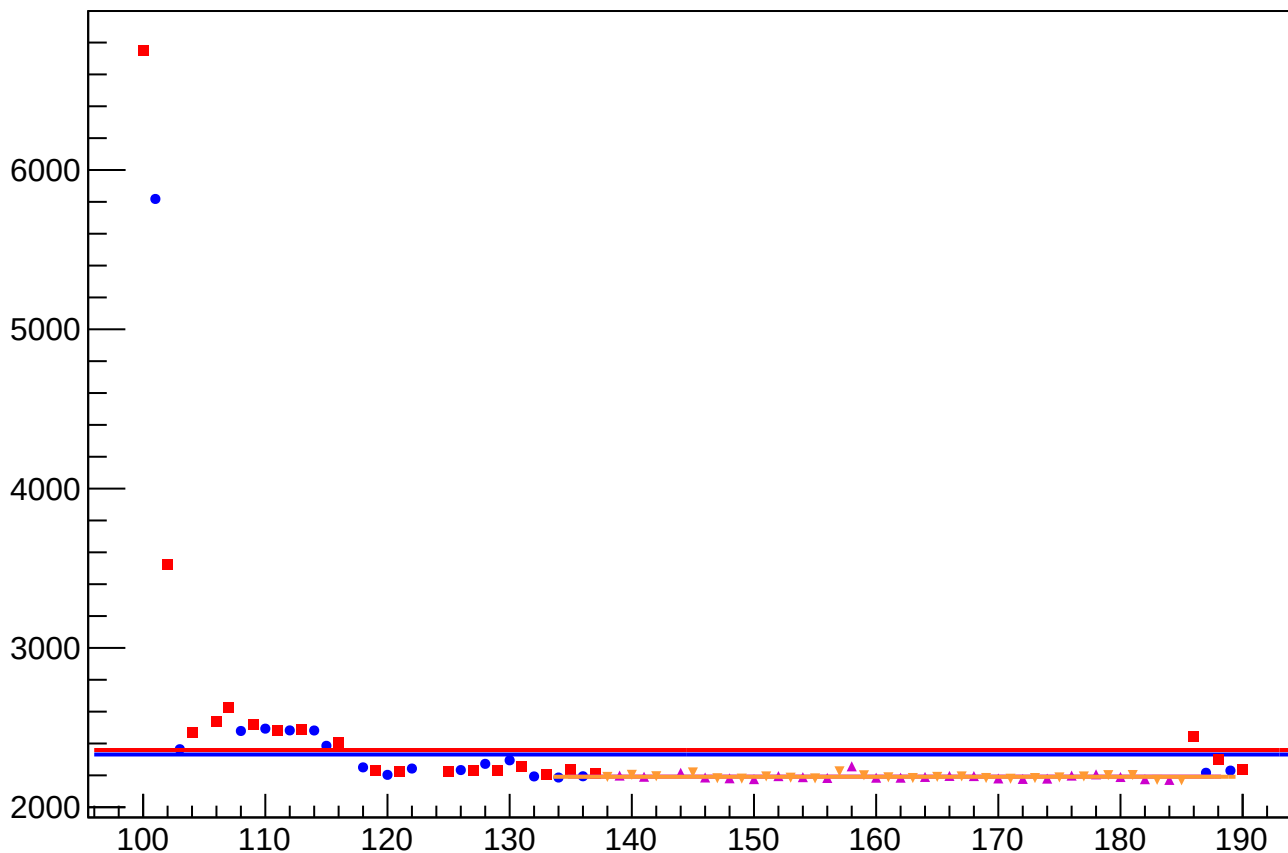
Left In: -4184.214 $\pm$ 511.864 χ^2 /NDF:32.7/22

+ sign 3855.405 $\pm$ 434.984 χ^2 /NDF: 41.7/41

All: -133.127 $\pm$ 305.994 χ^2 /NDF: 259.9/85

- sign -4040.461 $\pm$ 430.533 χ^2 /NDF: 51.7/43

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2330.984+/-0.594 χ^2/NDF : 506421.3/17

Left Out: 2191.147+/-0.360 χ^2/NDF :1228.9/23

Right Out: 2359.150+/-0.563 χ^2/NDF : 214656.7/20

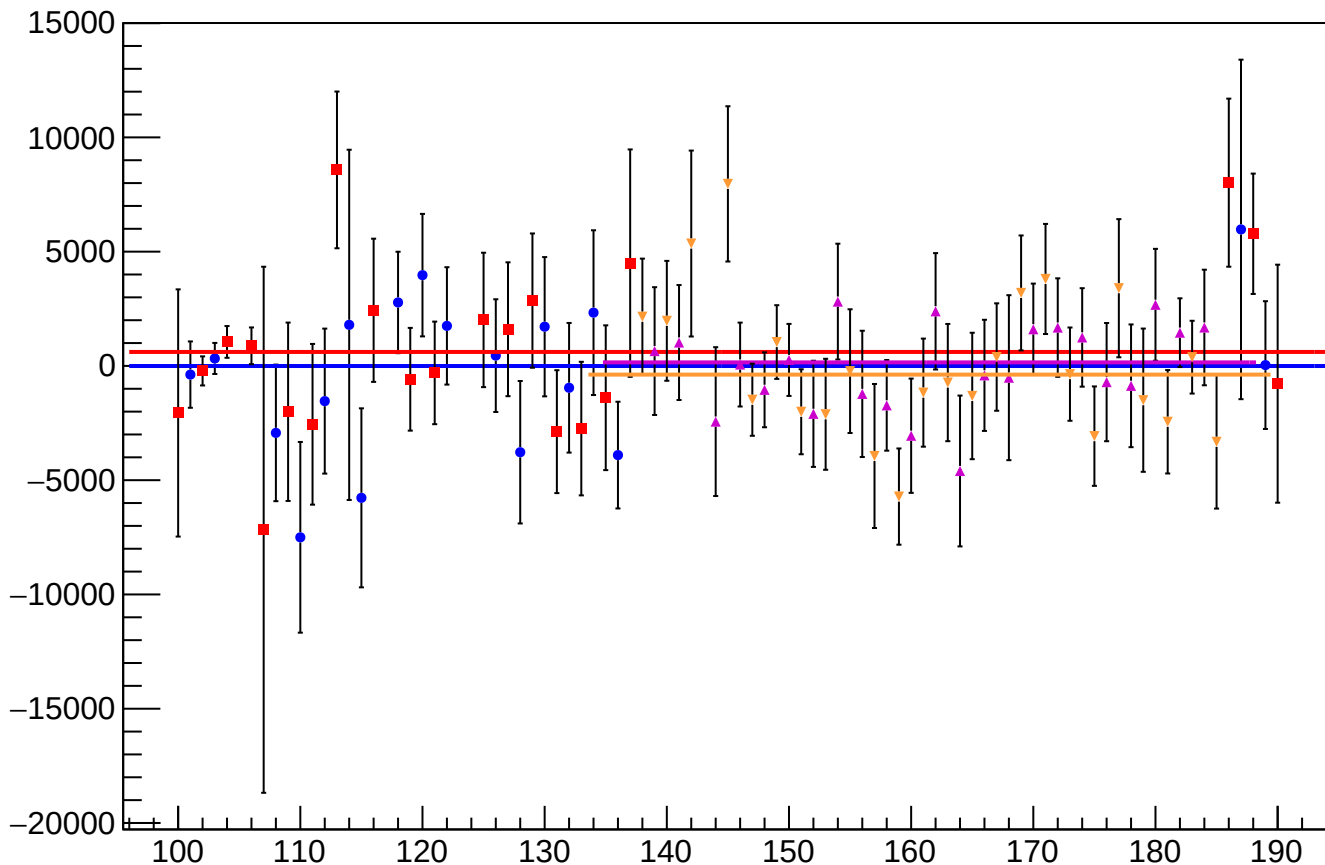
Left In: 2192.201+/-0.362 χ^2/NDF :2281.8/22

+ sign 2228.685+/-0.308 χ^2/NDF : 548241.5/41

All: 2234.926+/-0.216 χ^2/NDF : 828234.8/85

- sign 2241.040+/-0.304 χ^2/NDF : 279178.4/43

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug



Right In: -4.633+/-477.187 χ^2/NDF : 17.0/17

Left Out: -380.488+/-471.481 χ^2/NDF : 30.8/23

Right Out: 611.535+/-356.641 χ^2/NDF : 23.3/20

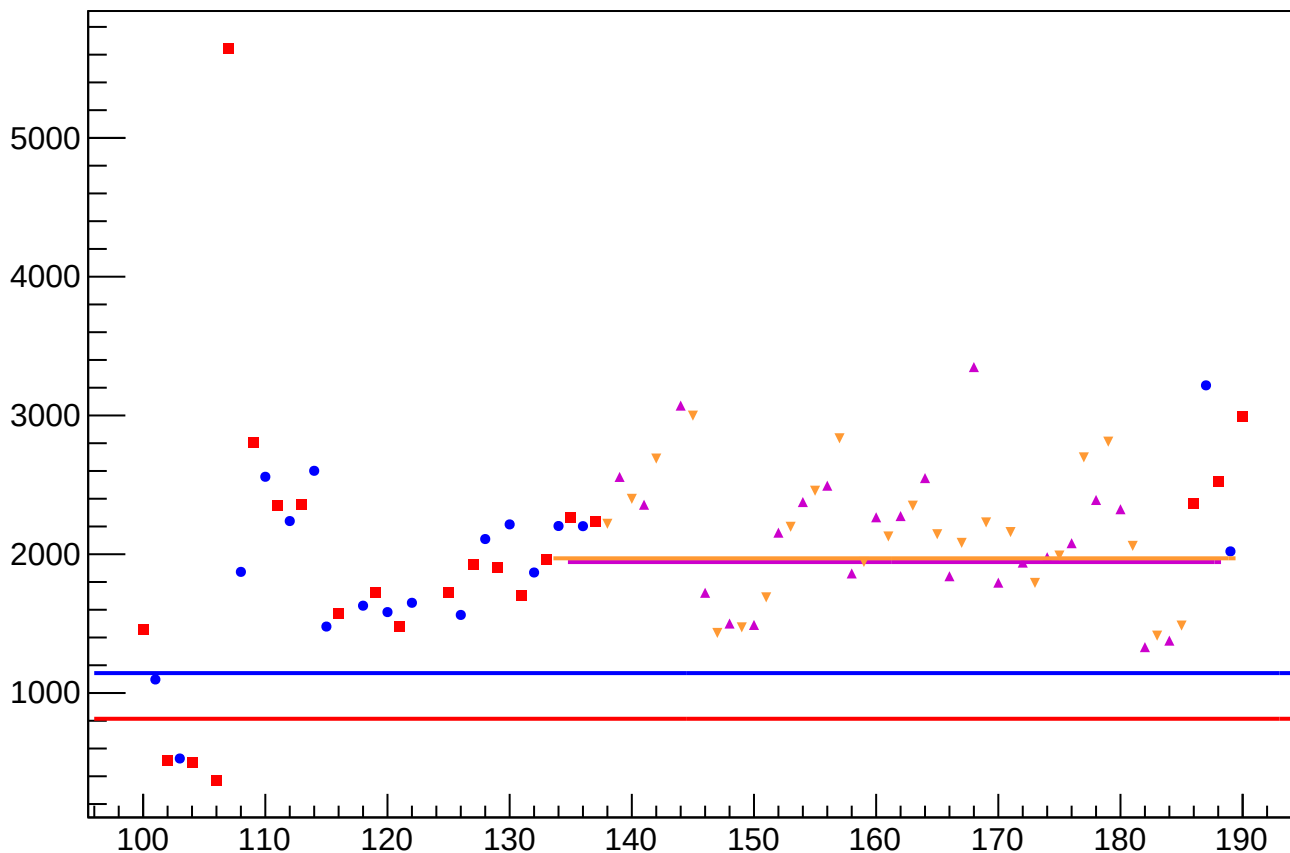
Left In: 154.512+/-467.999 χ^2/NDF : 12.8/22

+ sign -194.821+/-335.386 χ^2/NDF : 48.0/41

All: 177.381+/-216.584 χ^2/NDF : 86.8/85

- sign 443.634+/-283.663 χ^2/NDF : 36.7/43

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1143.436+/-0.337 χ^2/NDF : 4109890.6/17

Left Out: 1970.655+/-0.333 χ^2/NDF : 1696659.6/23

Right Out: 814.363+/-0.252 χ^2/NDF : 7197576.0/20

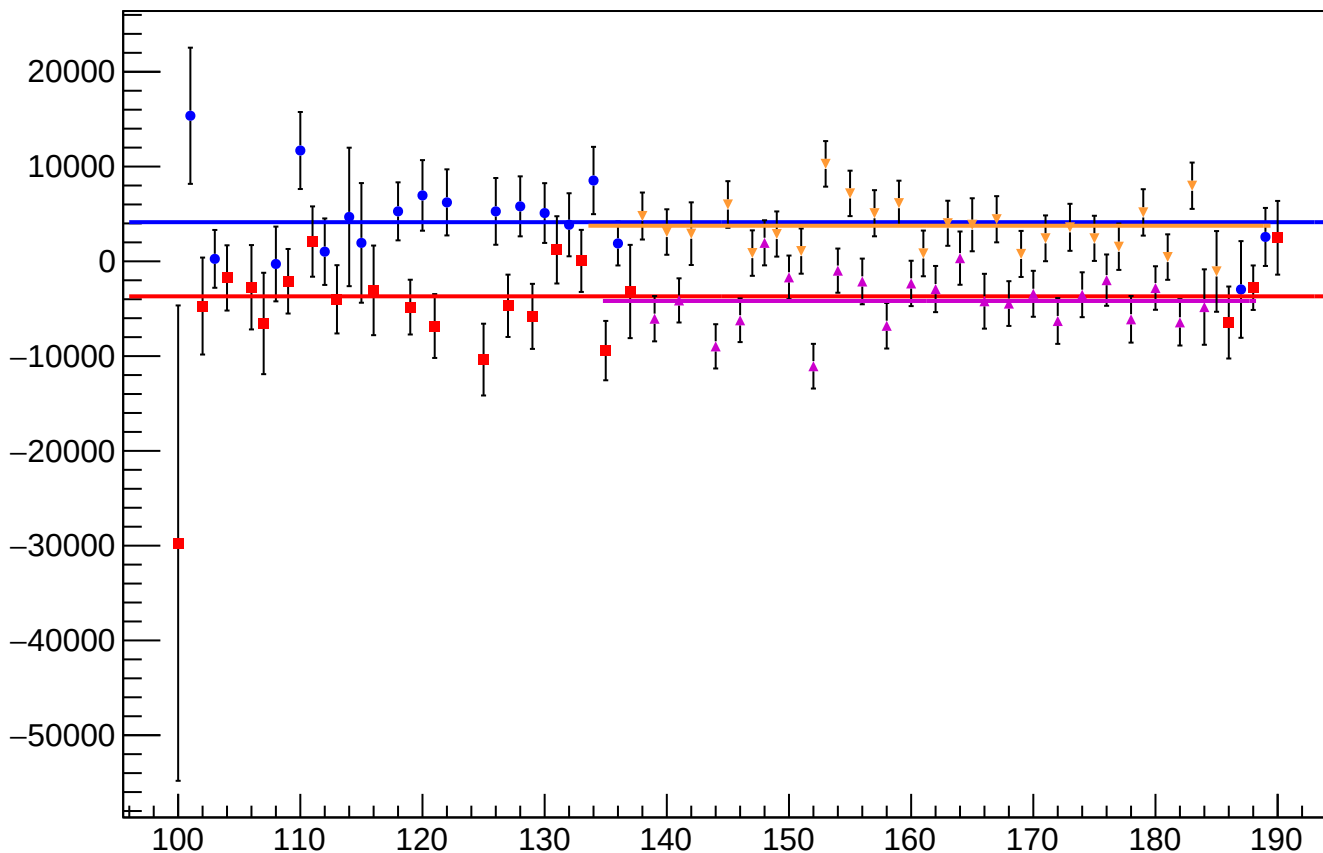
Left In: 1943.628+/-0.331 χ^2/NDF : 1882933.7/22

+ sign 1562.021+/-0.237 χ^2/NDF : 8847835.6/41

All: 1368.014+/-0.153 χ^2/NDF : 26443028.5/6

- sign 1229.232+/-0.201 χ^2/NDF : 16447234.6/43

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4131.568 $\pm$ 839.547 χ^2 /NDF: 15.9/17

Left Out: 3754.064 $\pm$ 508.568 χ^2 /NDF:25.7/23

Right Out: -3692.807 $\pm$ 796.008 χ^2 /NDF: 18.8/20

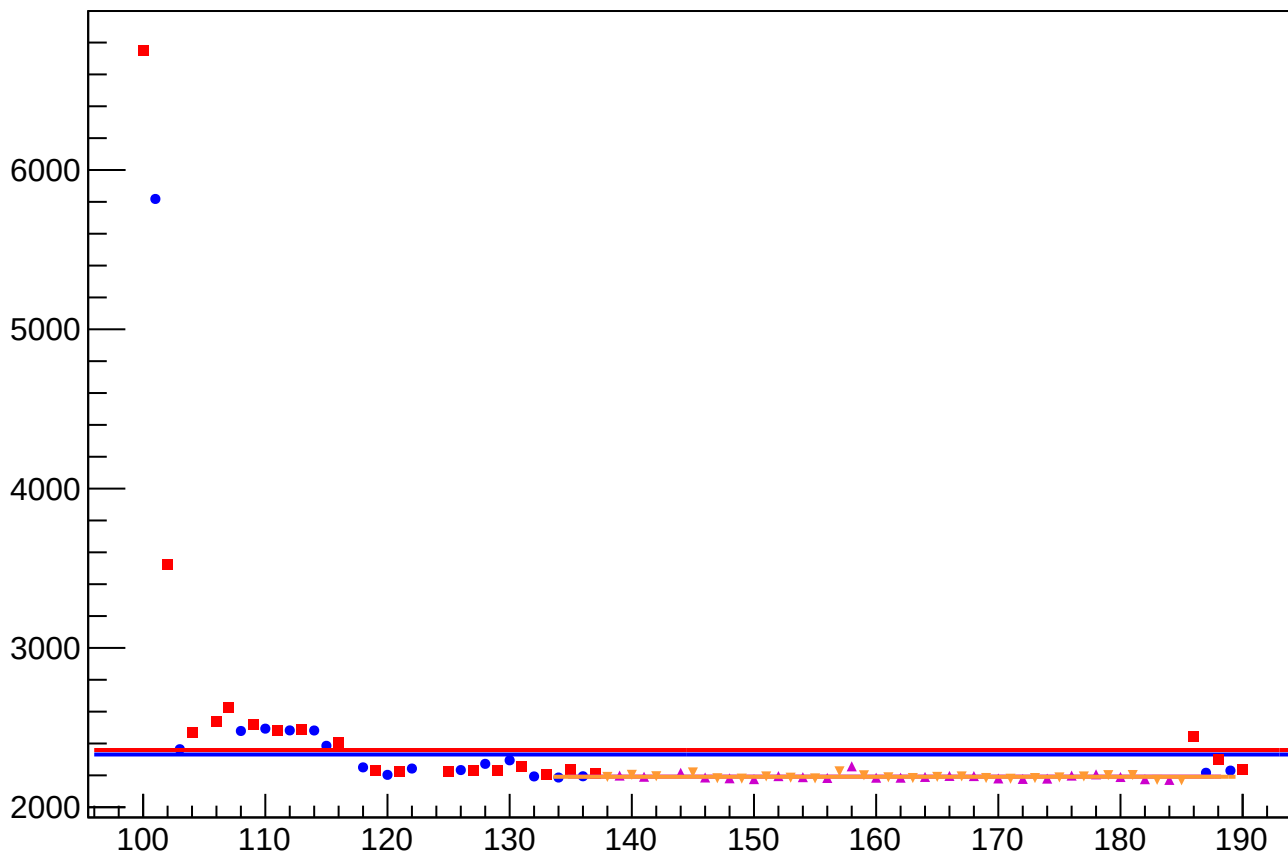
Left In: -4184.214 $\pm$ 511.864 χ^2 /NDF:32.7/22

+ sign 3855.403 $\pm$ 434.984 χ^2 /NDF: 41.7/41

All: -133.128 $\pm$ 305.994 χ^2 /NDF: 259.9/85

- sign -4040.460 $\pm$ 430.533 χ^2 /NDF: 51.7/43

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2330.983+/-0.594 χ^2/NDF : 506421.2/17

Left Out: 2191.147+/-0.360 χ^2/NDF :1228.9/23

Right Out: 2359.149+/-0.563 χ^2/NDF : 214655.7/20

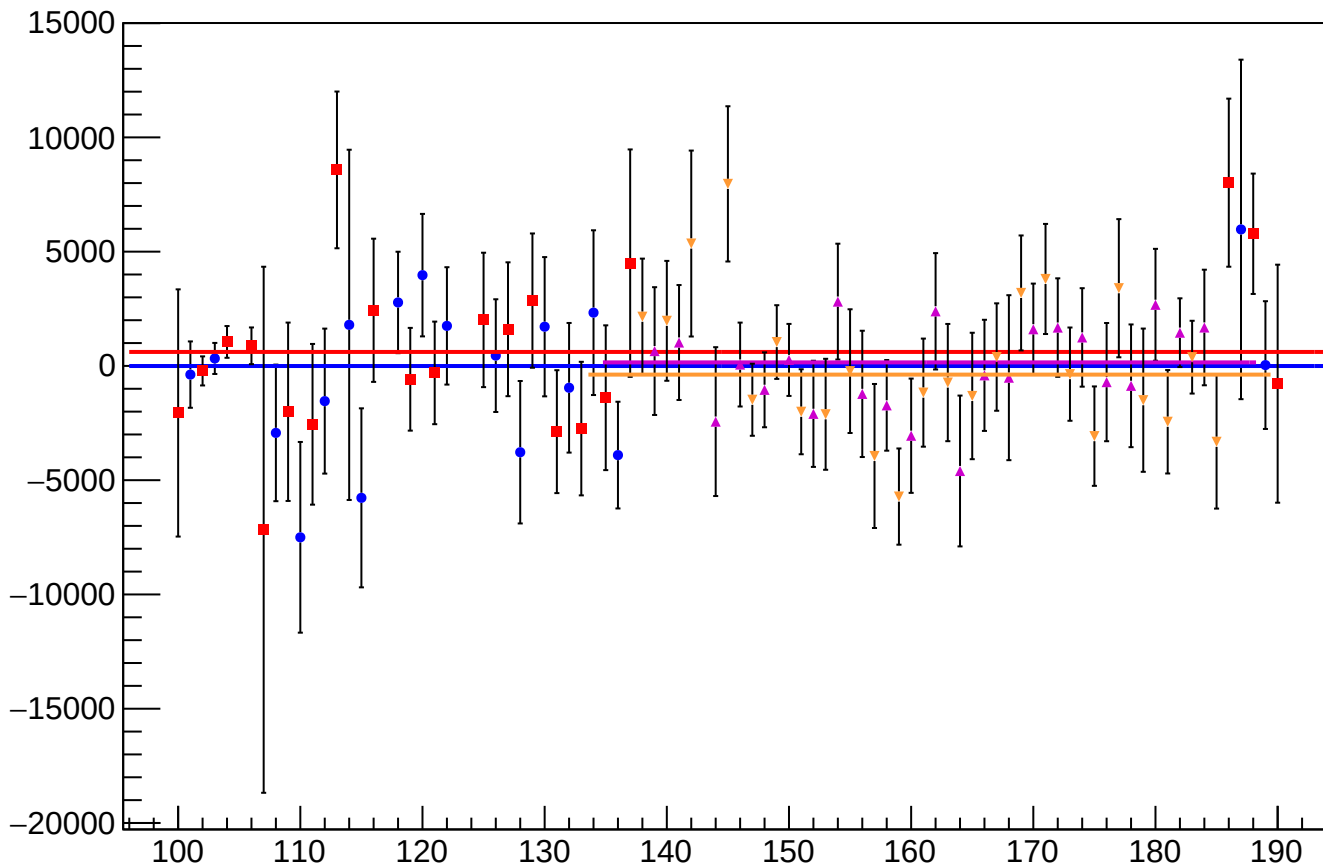
Left In: 2192.201+/-0.362 χ^2/NDF :2281.8/22

+ sign 2228.685+/-0.308 χ^2/NDF : 548241.2/41

All: 2234.926+/-0.216 χ^2/NDF : 828233.2/85

- sign 2241.039+/-0.304 χ^2/NDF : 279177.0/43

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -4.640+/-477.189 χ^2/NDF : 17.0/17

Left Out: -380.492+/-471.482 χ^2/NDF : 30.8/23

Right Out: 611.542+/-356.646 χ^2/NDF : 23.3/20

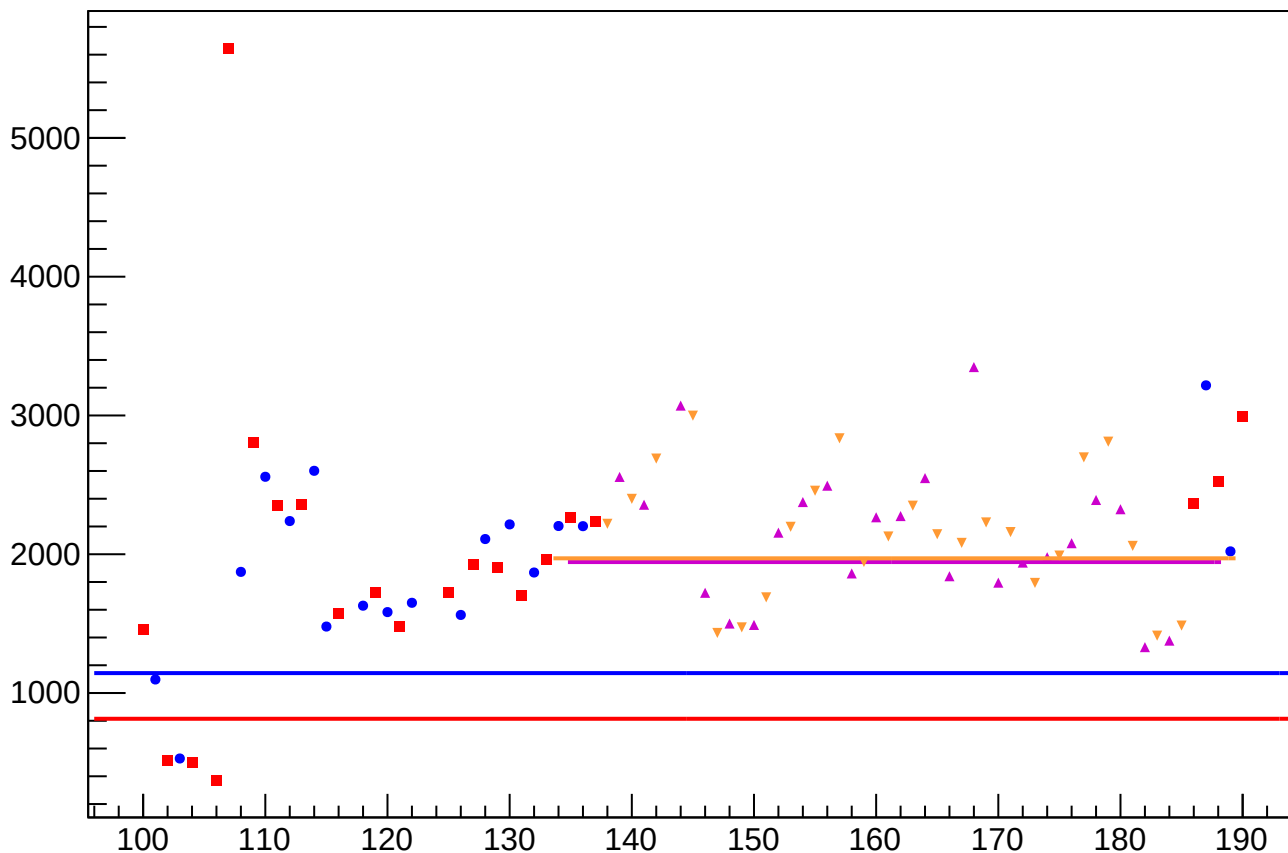
Left In: 154.512+/-468.000 χ^2/NDF : 12.8/22

+ sign -194.827+/-335.388 χ^2/NDF : 48.0/41

All: 177.379+/-216.586 χ^2/NDF : 86.8/85

- sign 443.636+/-283.666 χ^2/NDF : 36.7/43

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 1143.446 $\pm$ 0.337 χ^2/NDF : 4109810.3/17

Left Out: 1970.659 $\pm$ 0.333 χ^2/NDF : 1696658.8/23

Right Out: 814.379 $\pm$ 0.252 χ^2/NDF : 7197431.9/20

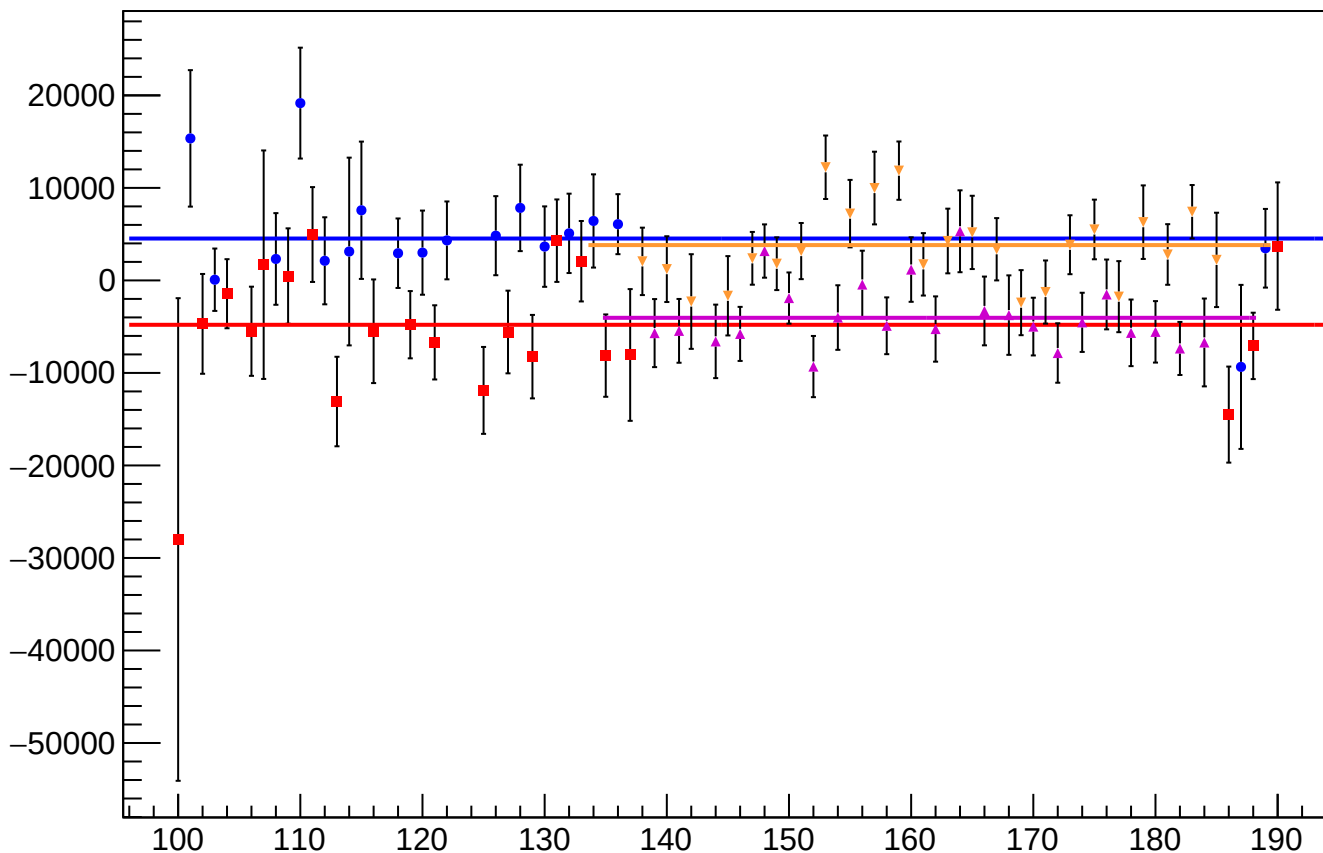
Left In: 1943.631 $\pm$ 0.331 χ^2/NDF : 1882931.8/22

+ sign 1562.029 $\pm$ 0.237 χ^2/NDF : 8847687.2/41

All: 1368.028 $\pm$ 0.153 χ^2/NDF : 26442410.2/8

- sign 1229.249 $\pm$ 0.201 χ^2/NDF : 16446840.2/43

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4527.376 $\pm$ 1094.947 χ^2 /NDF: 14.3/17

Left Out: 3817.837 $\pm$ 708.312 χ^2 /NDF:30.9/23

Right Out: -4797.494 $\pm$ 1054.514 χ^2 /NDF: 25.5/20

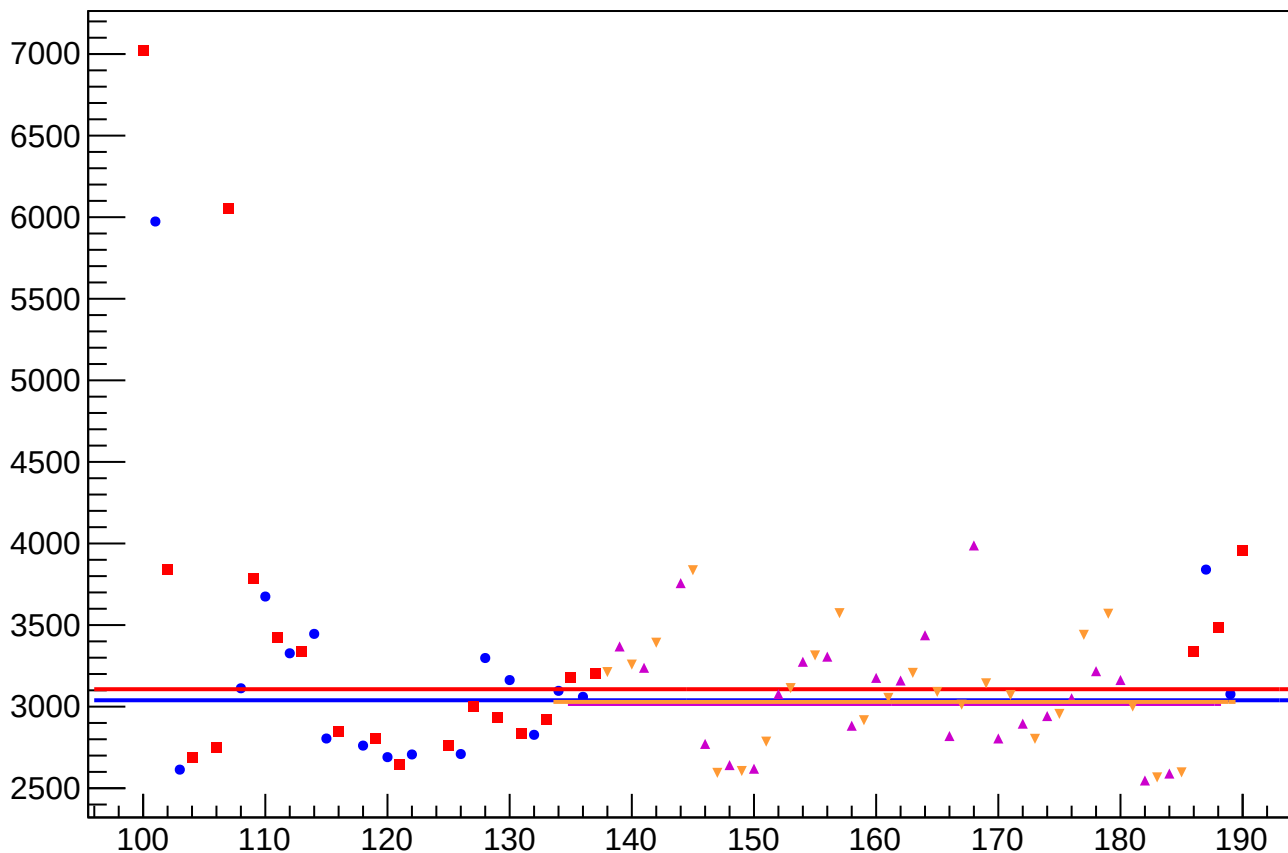
Left In: -4042.422 $\pm$ 709.573 χ^2 /NDF:22.5/22

+ sign 4027.161 $\pm$ 594.723 χ^2 /NDF: 45.4/41

All: -167.538 $\pm$ 418.388 χ^2 /NDF: 192.3/85

- sign -4277.752 $\pm$ 588.703 χ^2 /NDF: 48.3/43

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3039.063+/-0.774 χ^2/NDF : 460575.6/17

Left Out: 3028.983+/-0.501 χ^2/NDF : 397111.2/23

Right Out: 3106.816+/-0.746 χ^2/NDF : 407068.0/20

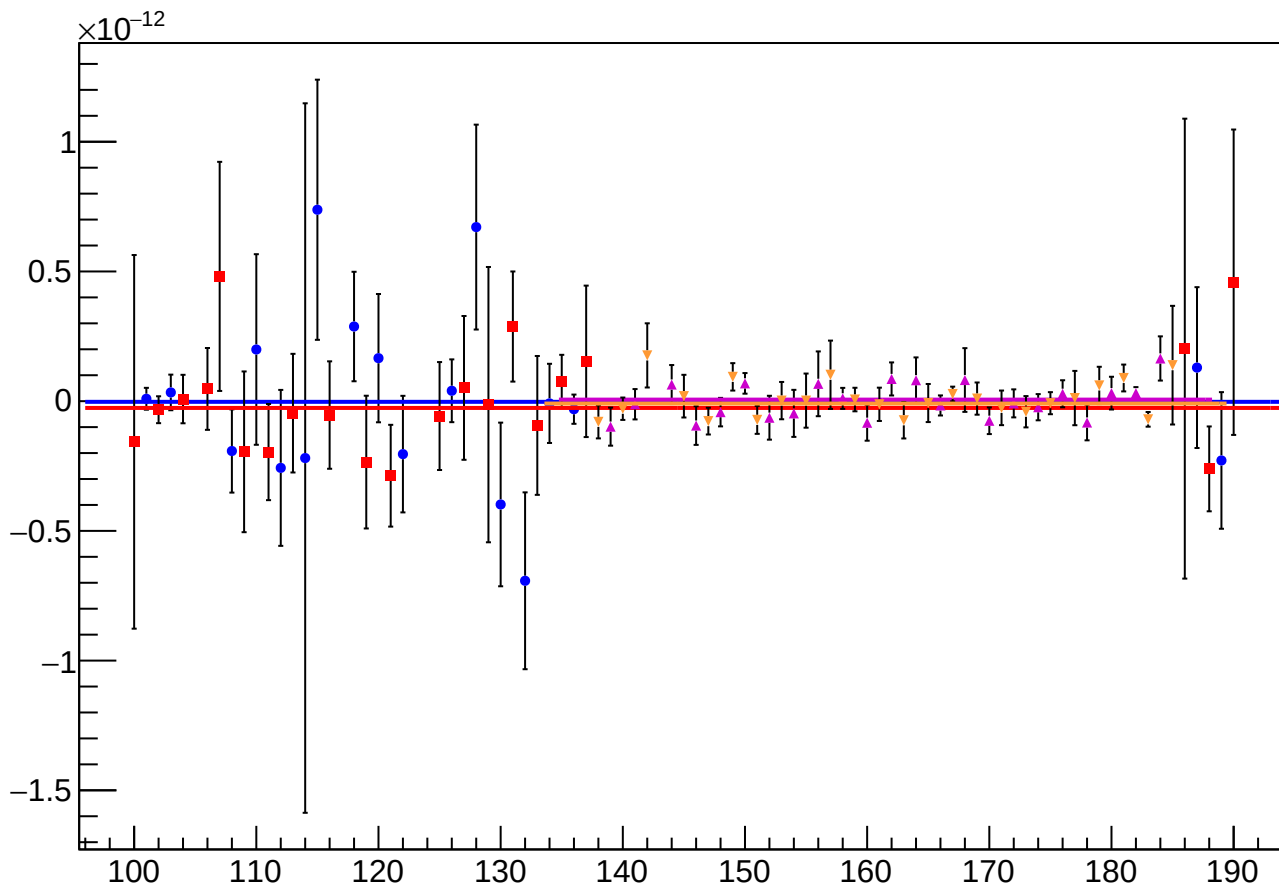
Left In: 3016.252+/-0.502 χ^2/NDF : 439897.8/22

+ sign 3031.957+/-0.421 χ^2/NDF : 857806.2/41

All: 3038.281+/-0.296 χ^2/NDF : 1715374.0/85

- sign 3044.478+/-0.416 χ^2/NDF : 857120.0/43

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 18.0/17

Left Out: -0.000+/-0.000 χ^2 /NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 11.8/20

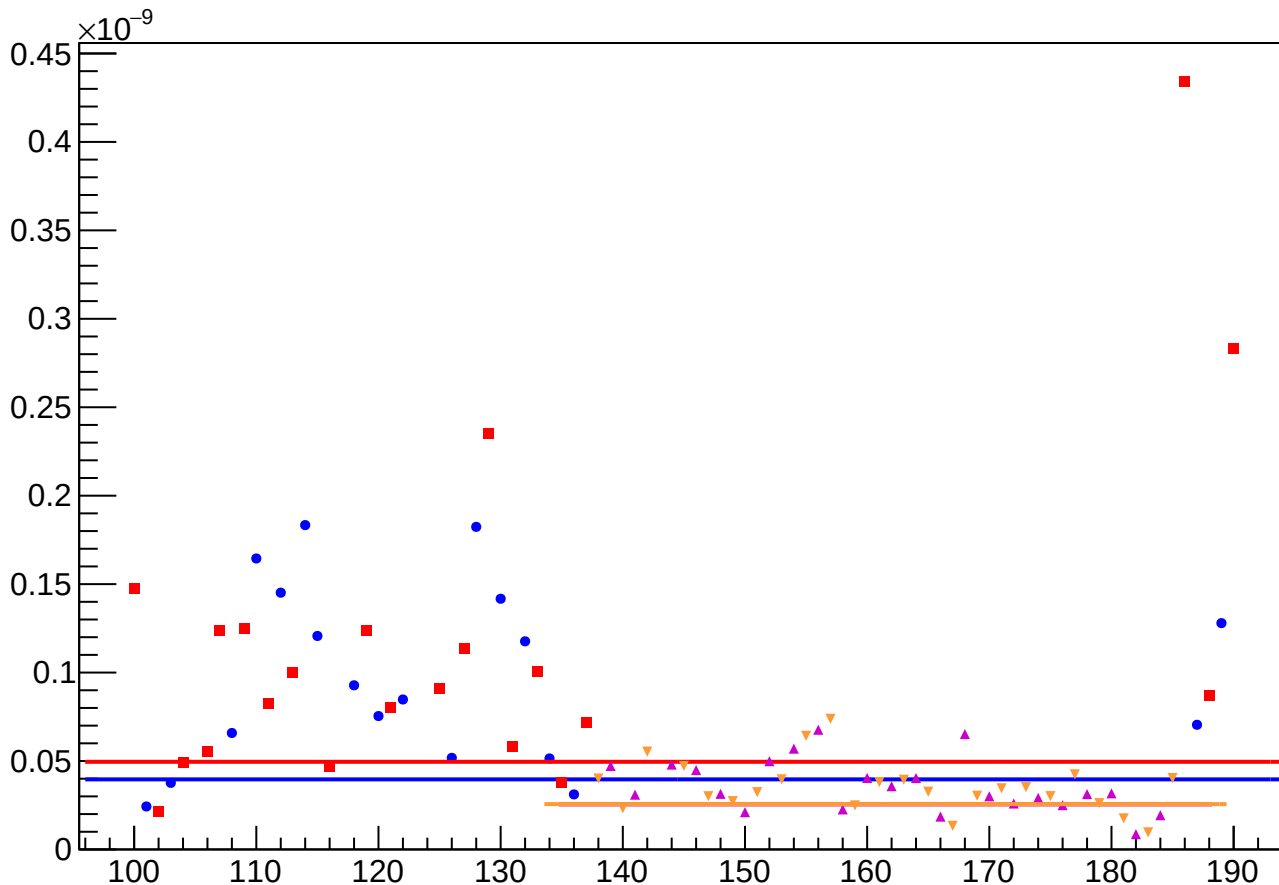
Left In: 0.000+/-0.000 χ^2 /NDF:23.3/22

+ sign -0.000+/-0.000 χ^2 /NDF: 42.3/41

All: -0.000+/-0.000 χ^2 /NDF: 78.7/85

- sign 0.000+/-0.000 χ^2 /NDF: 35.9/43

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2020024.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 2509643.6/20

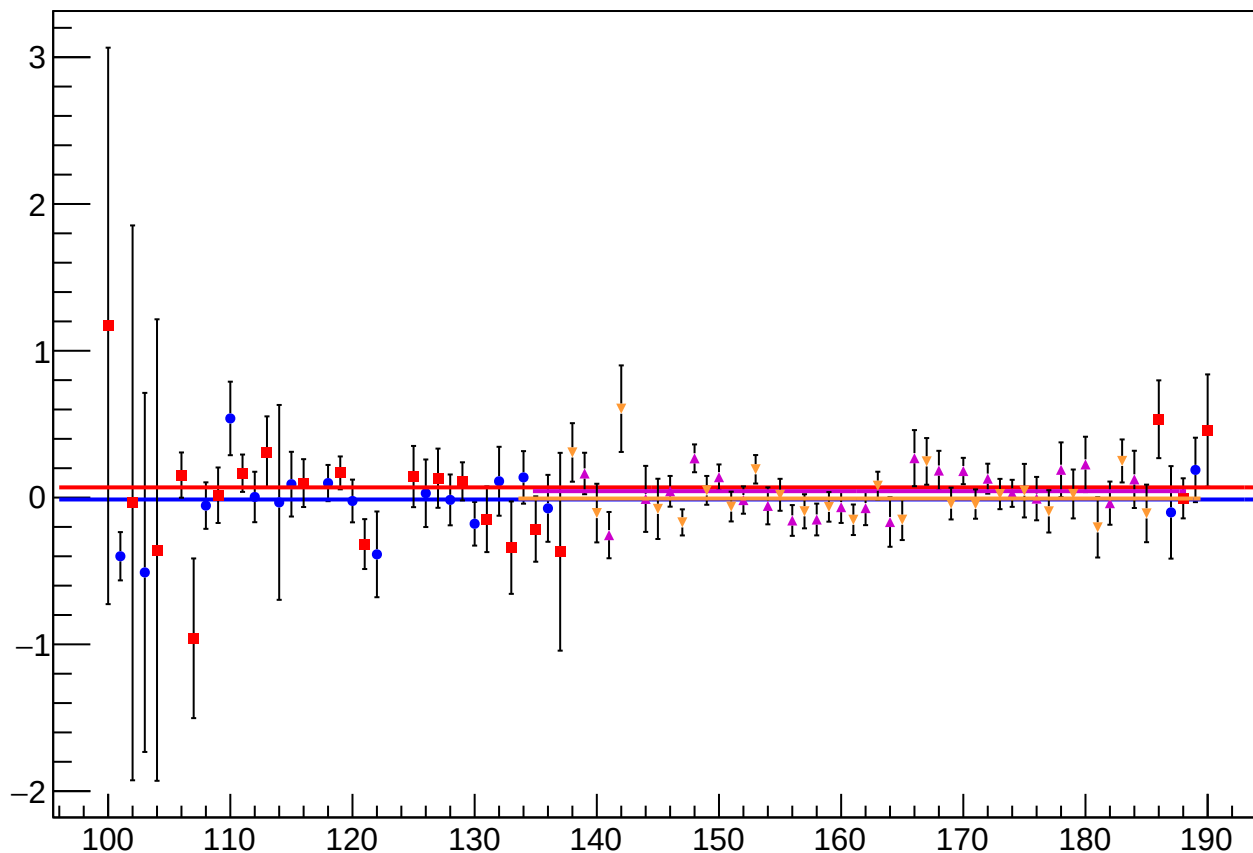
Left In: 0.000+/-0.000 χ^2/NDF : 2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 4919265.2/41

All: 0.000+/-0.000 χ^2/NDF : 11158379.9/85

- sign 0.000+/-0.000 χ^2/NDF : 6238810.7/43

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.013 ± 0.046 χ^2/NDF : 16.6/17

Left Out: -0.007 ± 0.025 χ^2/NDF : 27.7/23

Right Out: 0.069 ± 0.043 χ^2/NDF : 21.3/20

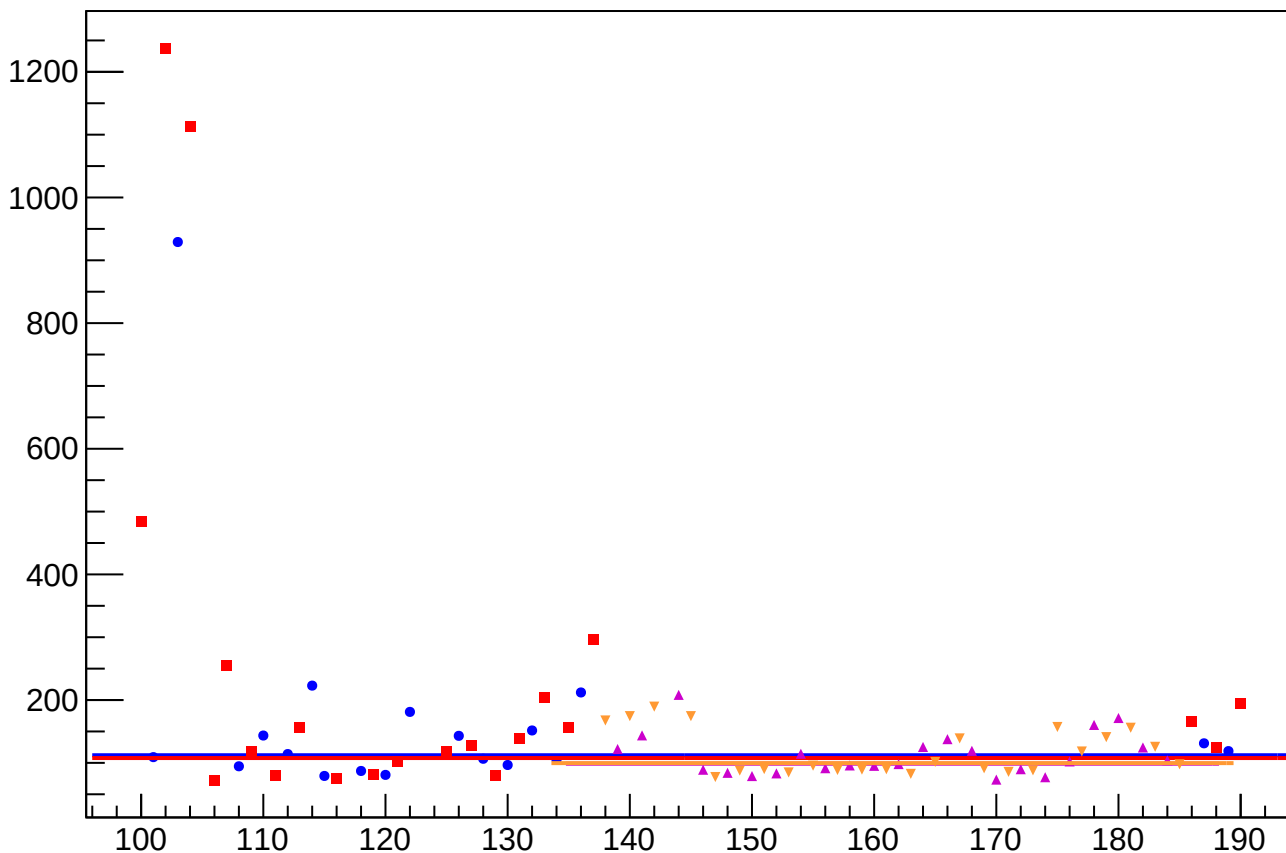
Left In: 0.044 ± 0.025 χ^2/NDF : 30.3/22

+ sign -0.008 ± 0.022 χ^2/NDF : 44.3/41

All: 0.022 ± 0.015 χ^2/NDF : 99.6/85

- sign 0.050 ± 0.022 χ^2/NDF : 51.8/43

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 112.149 $\pm$ 0.033 χ^2 /NDF: 1848882.4/17

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF: 2070986.6/23

Right Out: 107.665 $\pm$ 0.030 χ^2 /NDF: 3079539.3/20

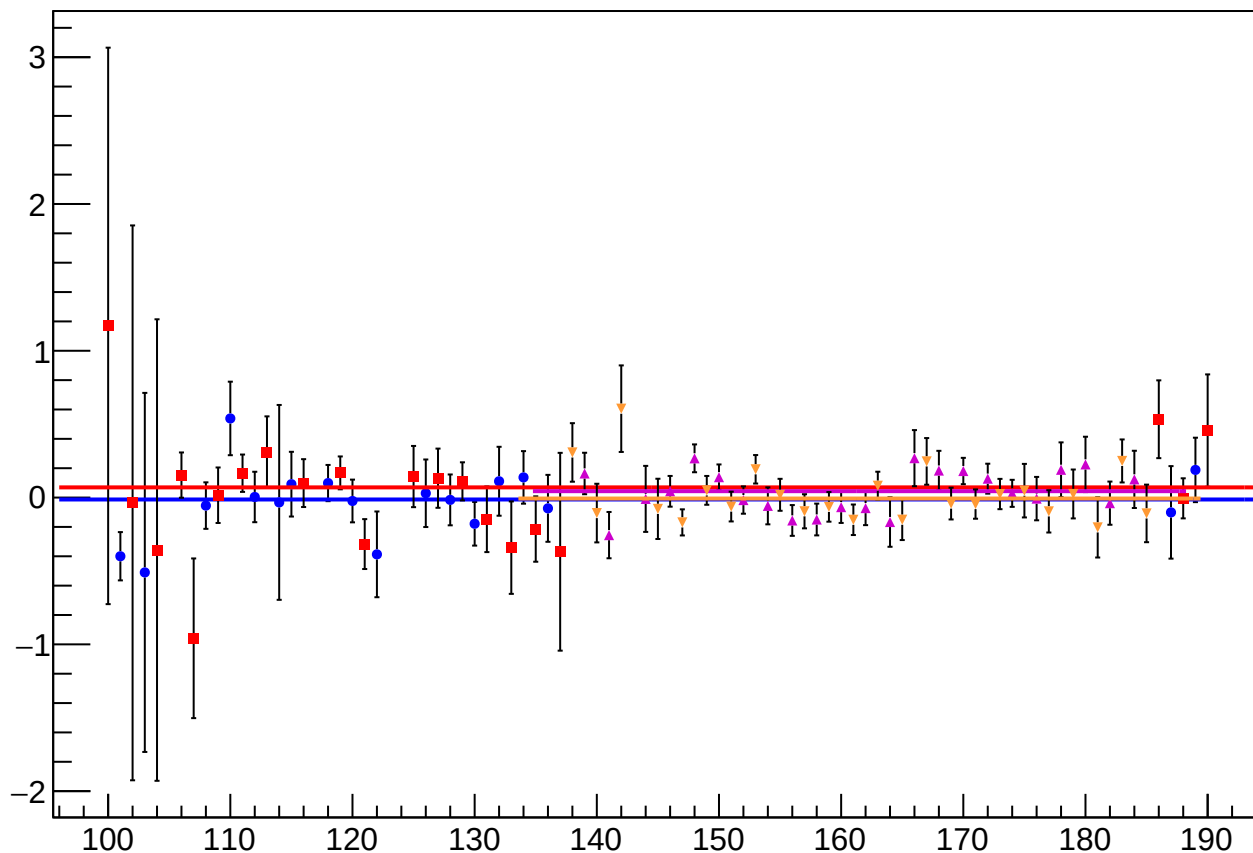
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF: 2003365.1/22

+ sign 102.506 $\pm$ 0.016 χ^2 /NDF: 4034115.4/41

All: 101.706 $\pm$ 0.011 χ^2 /NDF: 9187275.7/85

- sign 100.945 $\pm$ 0.015 χ^2 /NDF: 5148090.6/43

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013 ± 0.046 χ^2/NDF : 16.6/17

Left Out: -0.007 ± 0.025 χ^2/NDF : 27.7/23

Right Out: 0.069 ± 0.043 χ^2/NDF : 21.3/20

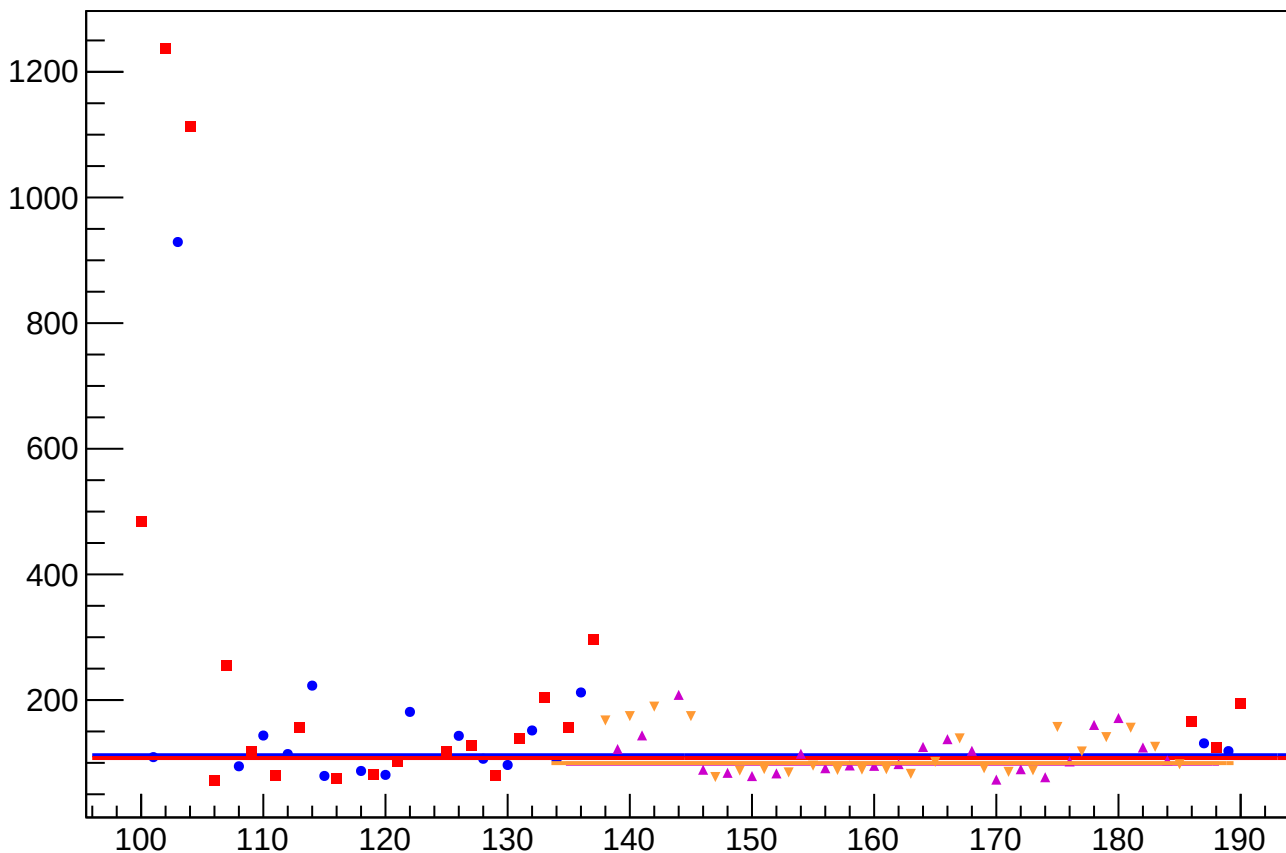
Left In: 0.044 ± 0.025 χ^2/NDF : 30.3/22

+ sign -0.008 ± 0.022 χ^2/NDF : 44.3/41

All: 0.022 ± 0.015 χ^2/NDF : 99.6/85

- sign 0.050 ± 0.022 χ^2/NDF : 51.8/43

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 112.149 $\pm$ 0.033 χ^2 /NDF: 1848882.4/17

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF: 2070986.6/23

Right Out: 107.665 $\pm$ 0.030 χ^2 /NDF: 3079539.3/20

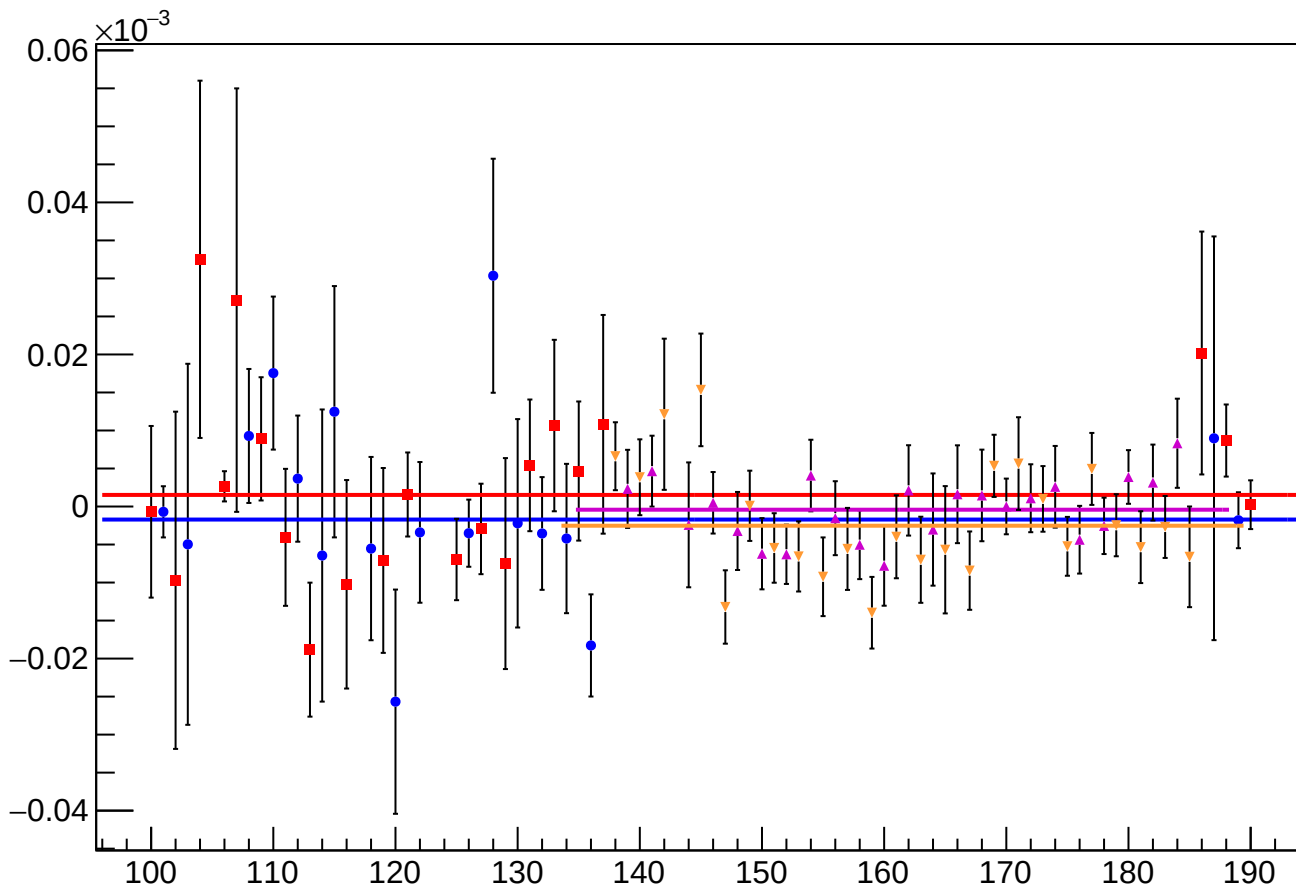
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF: 2003365.1/22

+ sign 102.506 $\pm$ 0.016 χ^2 /NDF: 4034115.4/41

All: 101.706 $\pm$ 0.011 χ^2 /NDF: 9187275.7/85

- sign 100.945 $\pm$ 0.015 χ^2 /NDF: 5148090.6/43

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.2/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 40.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/20

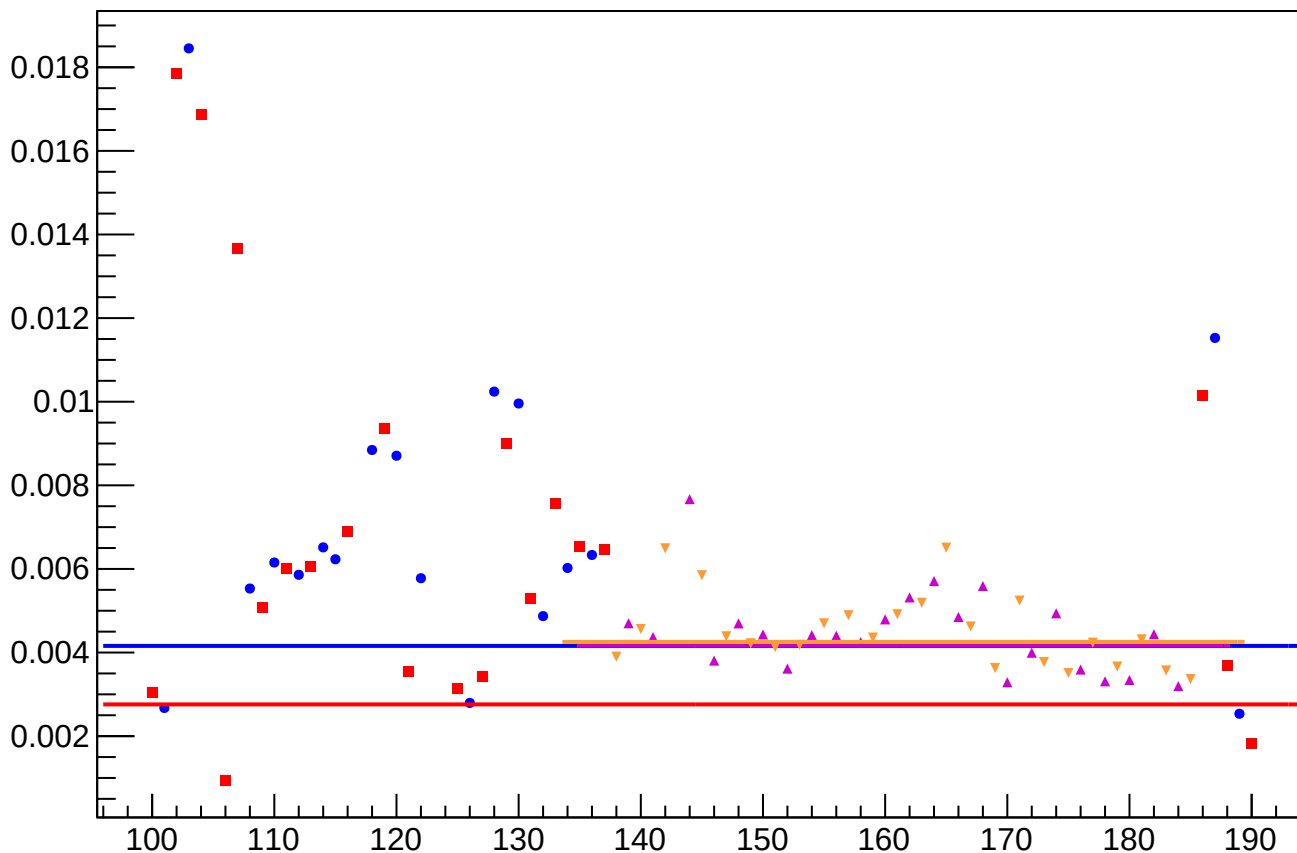
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 60.5/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 102.5/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.0/43

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3645186.9/17

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:833222.5/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 7282538.4/20

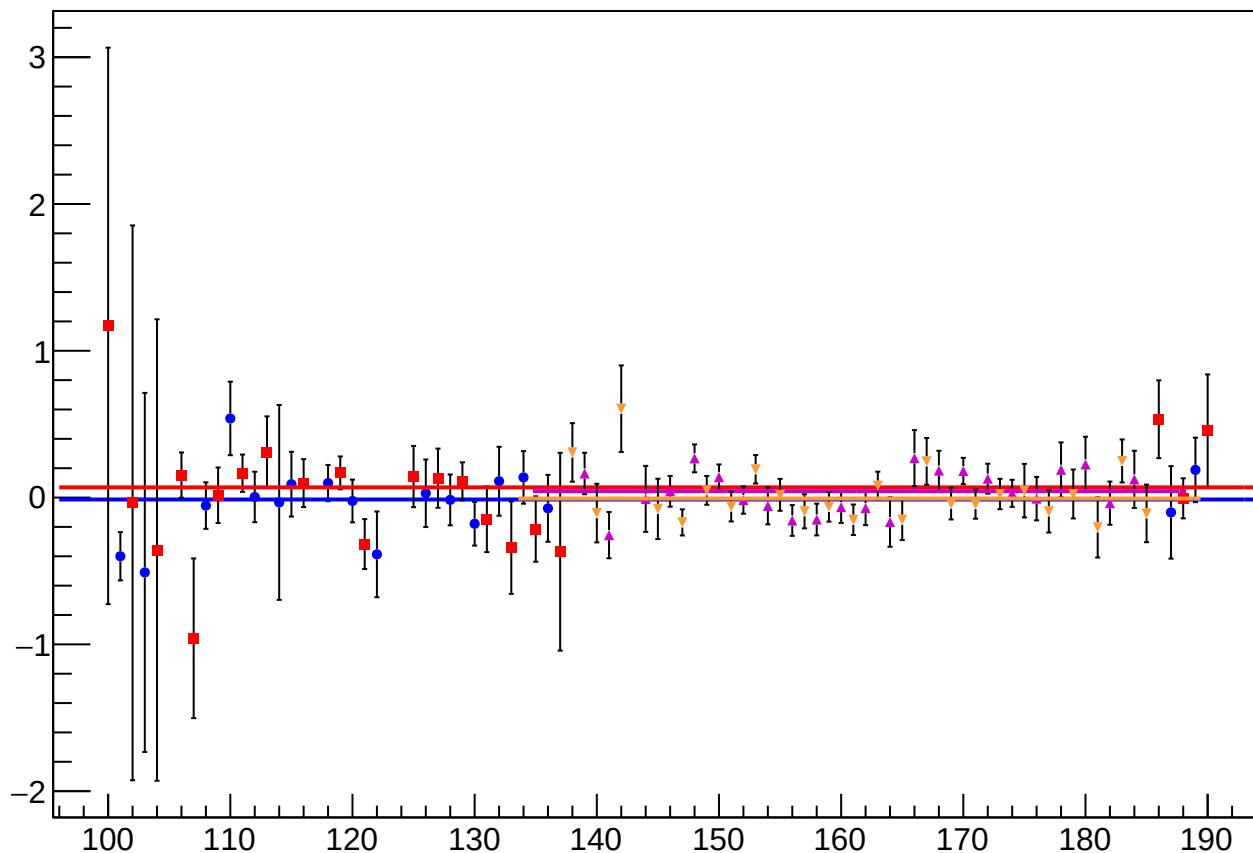
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1277434.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4483137.0/41

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 15043928.5/85

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 10055229.4/43

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.013 ± 0.046 χ^2/NDF : 16.6/17

Left Out: -0.007 ± 0.025 χ^2/NDF : 27.7/23

Right Out: 0.069 ± 0.043 χ^2/NDF : 21.3/20

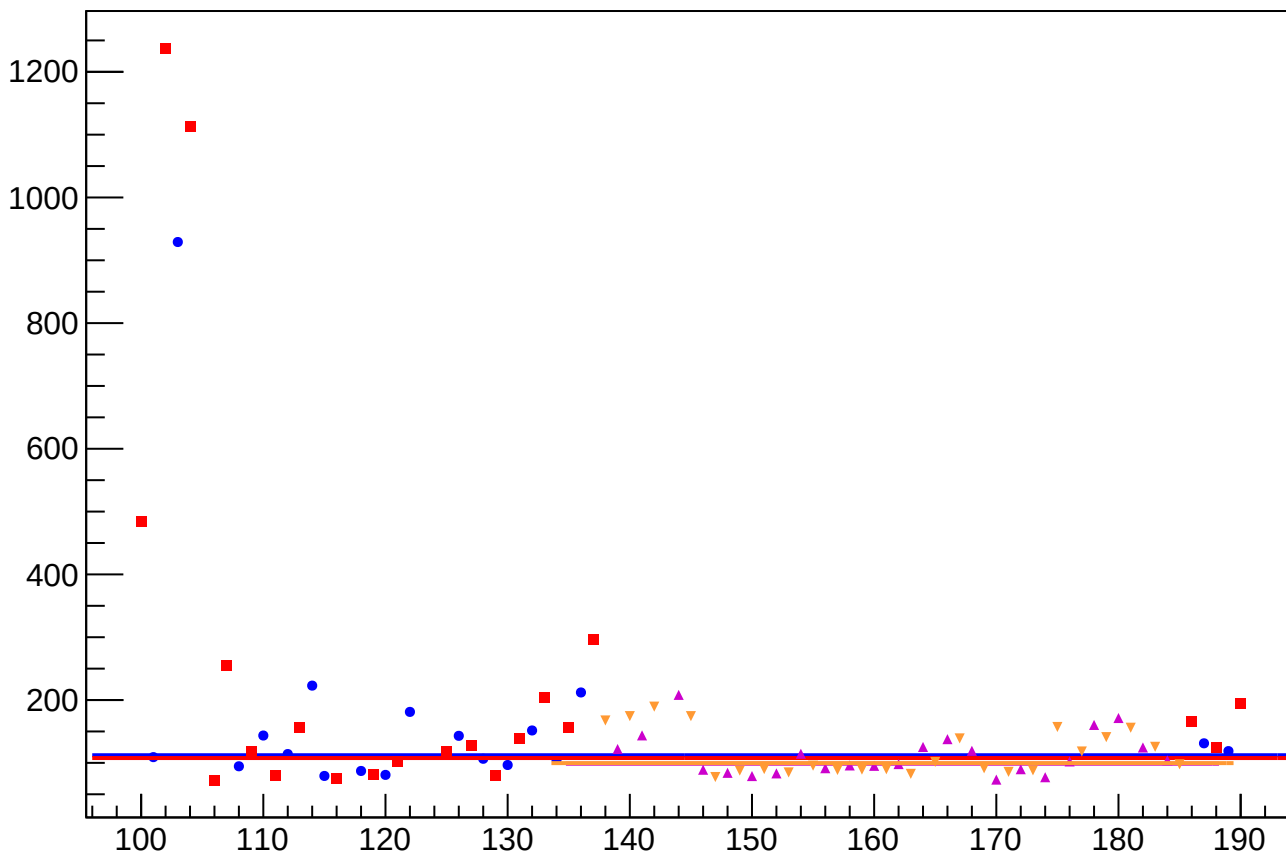
Left In: 0.044 ± 0.025 χ^2/NDF : 30.3/22

+ sign -0.008 ± 0.022 χ^2/NDF : 44.3/41

All: 0.022 ± 0.015 χ^2/NDF : 99.6/85

- sign 0.050 ± 0.022 χ^2/NDF : 51.8/43

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 112.147 $\pm$ 0.033 χ^2 /NDF: 1848938.4/17

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF:2070951.9/23

Right Out: 107.663 $\pm$ 0.030 χ^2 /NDF: 3079564.6/20

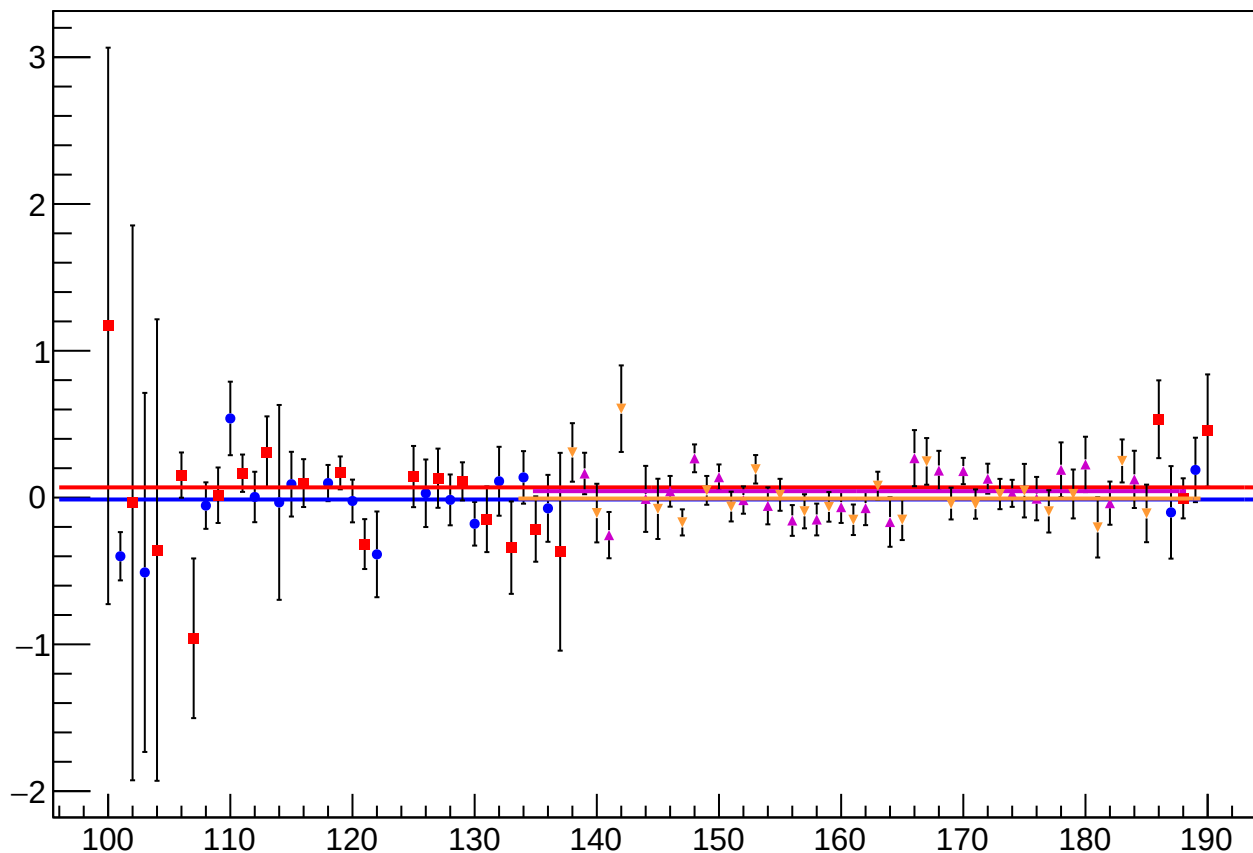
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF:2003332.7/22

+ sign 102.506 $\pm$ 0.016 χ^2 /NDF: 4034083.4/41

All: 101.706 $\pm$ 0.011 χ^2 /NDF: 9187212.6/85

- sign 100.945 $\pm$ 0.015 χ^2 /NDF: 5148059.0/43

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013 ± 0.046 χ^2/NDF : 16.6/17

Left Out: -0.007 ± 0.025 χ^2/NDF : 27.7/23

Right Out: 0.069 ± 0.043 χ^2/NDF : 21.3/20

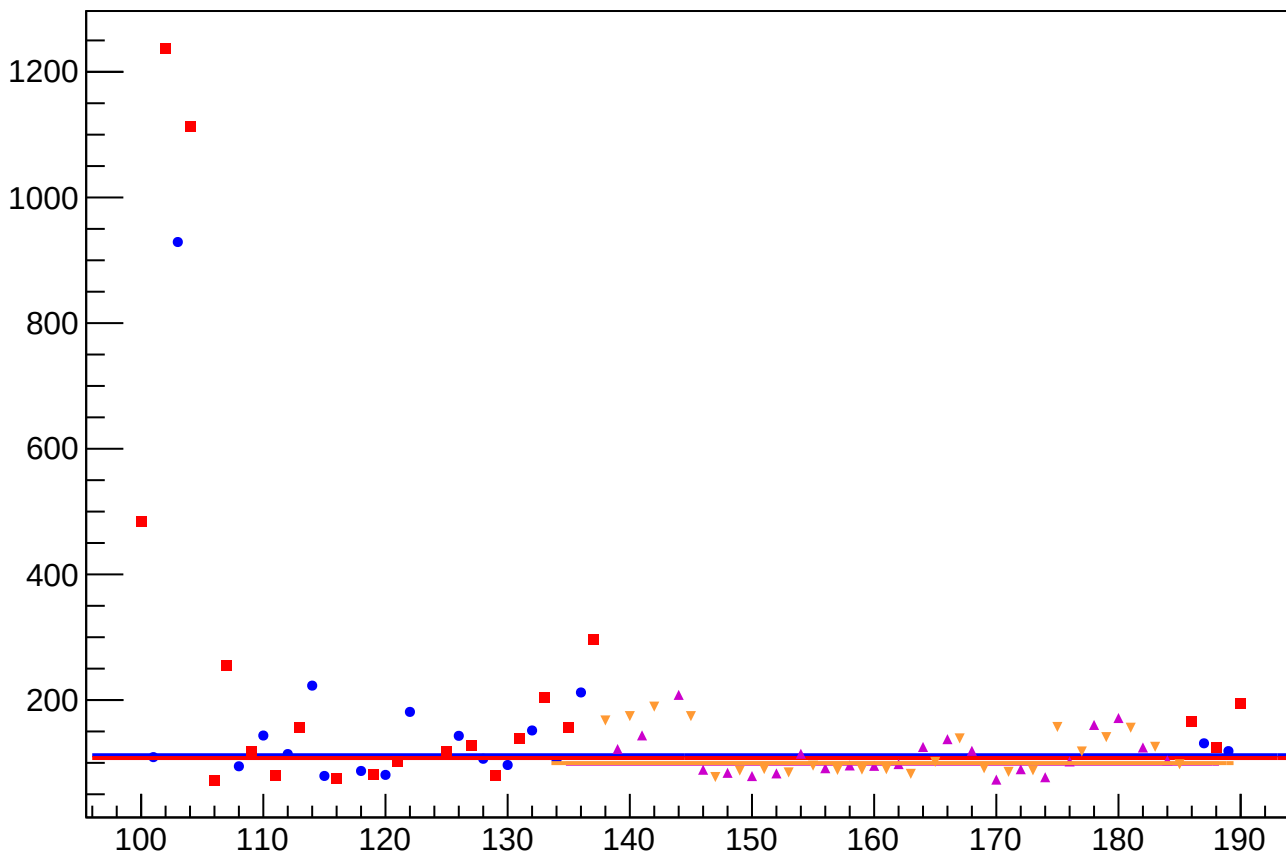
Left In: 0.044 ± 0.025 χ^2/NDF : 30.3/22

+ sign -0.008 ± 0.022 χ^2/NDF : 44.3/41

All: 0.022 ± 0.015 χ^2/NDF : 99.6/85

- sign 0.050 ± 0.022 χ^2/NDF : 51.8/43

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 112.147 $\pm$ 0.033 χ^2 /NDF: 1848938.4/17

Left Out: 99.590 $\pm$ 0.018 χ^2 /NDF: 2070951.9/23

Right Out: 107.663 $\pm$ 0.030 χ^2 /NDF: 3079564.6/20

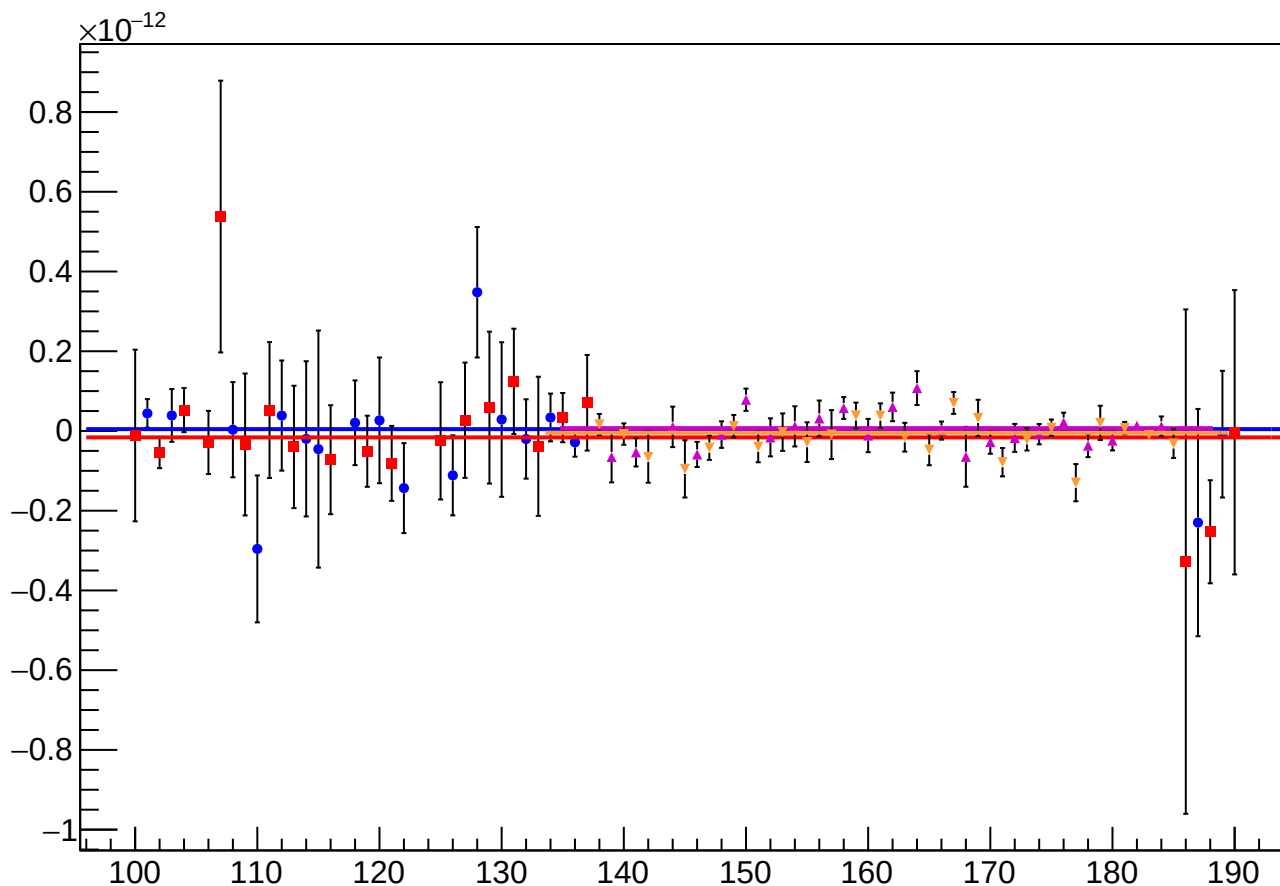
Left In: 98.669 $\pm$ 0.018 χ^2 /NDF: 2003332.7/22

+ sign 102.506 $\pm$ 0.016 χ^2 /NDF: 4034083.4/41

All: 101.706 $\pm$ 0.011 χ^2 /NDF: 9187212.6/85

- sign 100.945 $\pm$ 0.015 χ^2 /NDF: 5148059.0/43

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.6/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:32.9/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.4/20

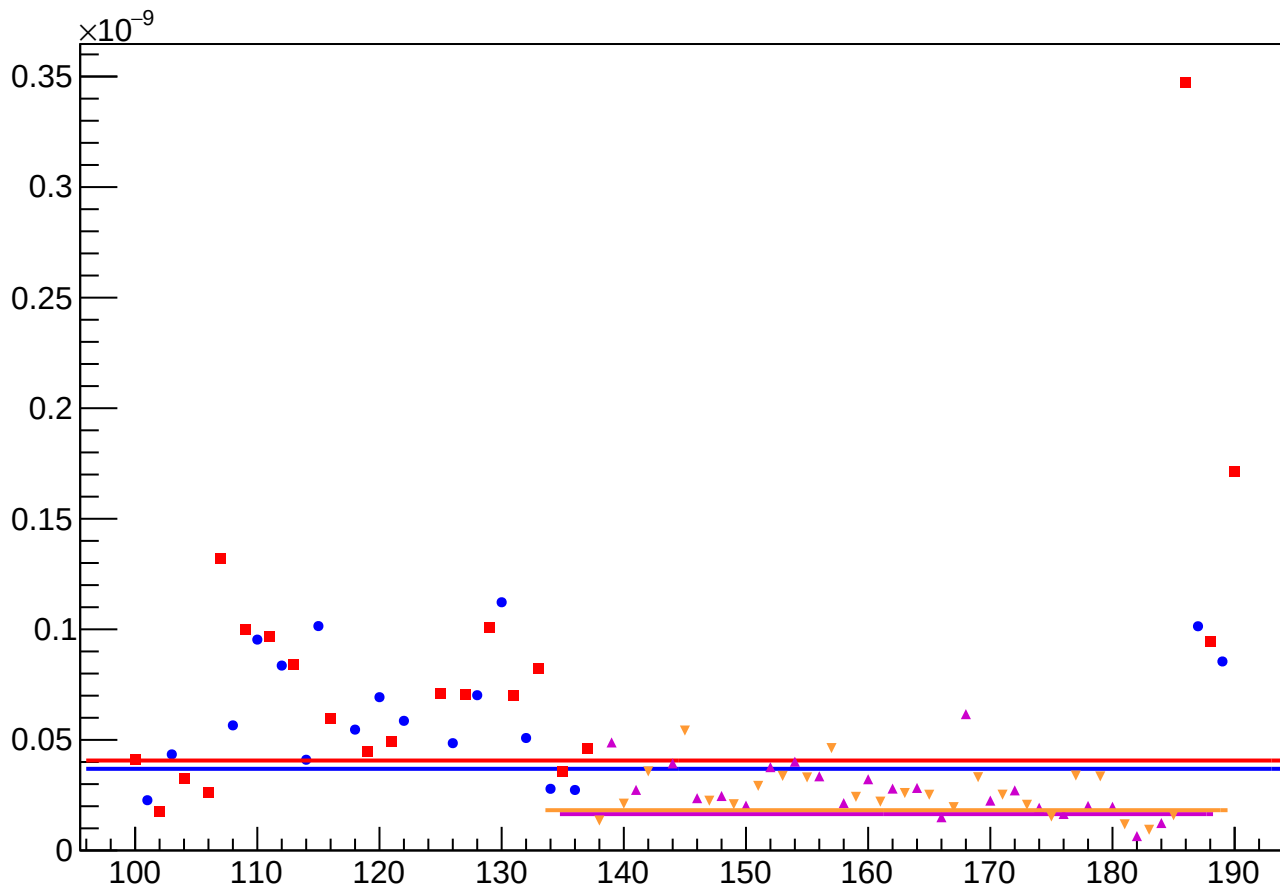
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:35.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 46.7/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 96.9/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 48.7/43

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2053527.2/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4306302.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3306922.6/20

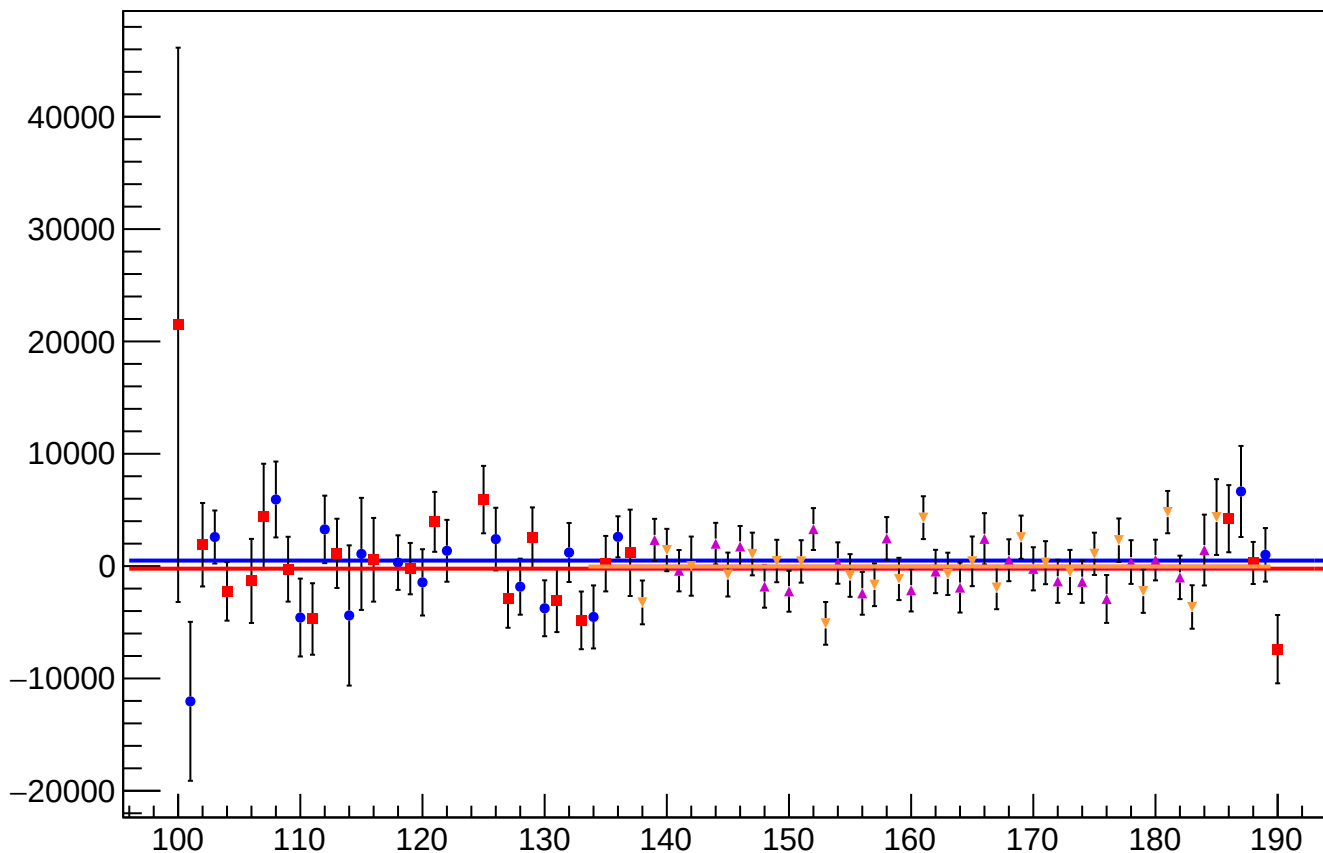
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 7007463.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8133888.0/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 21011322.7/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12754701.6/43

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 493.558 ± 670.766 $\chi^2/\text{NDF}: 21.9/17$

Left Out: -34.799 ± 401.970 $\chi^2/\text{NDF}: 35.4/23$

Right Out: -226.699 ± 635.530 $\chi^2/\text{NDF}: 25.9/20$

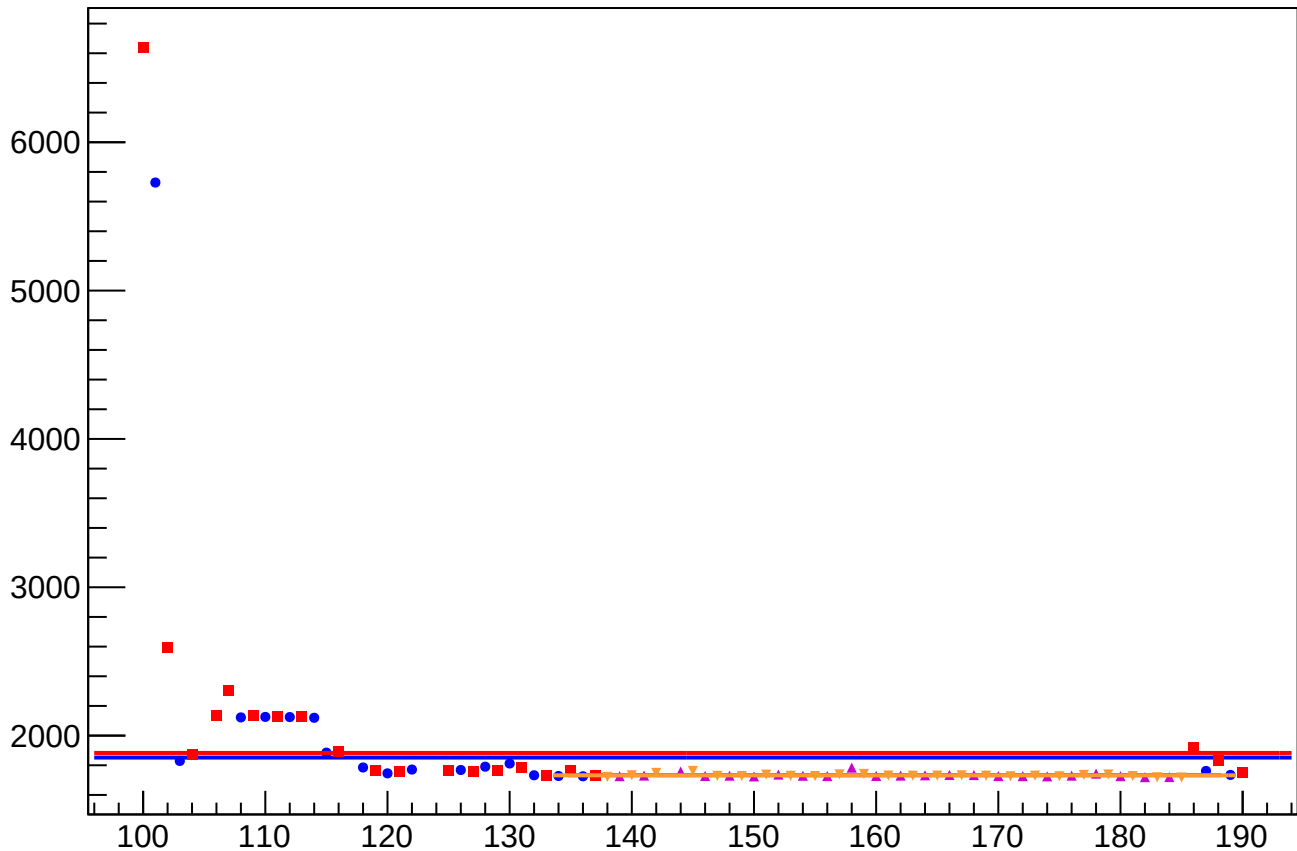
Left In: -52.796 ± 404.703 $\chi^2/\text{NDF}: 19.4/22$

+ sign 104.810 ± 344.798 $\chi^2/\text{NDF}: 57.7/41$

All: -0.119 ± 242.586 $\chi^2/\text{NDF}: 103.3/85$

- sign -102.970 ± 341.365 $\chi^2/\text{NDF}: 45.4/43$

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1852.019+/-0.474 χ^2/NDF : 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF : 937.2/23

Right Out: 1883.223+/-0.449 χ^2/NDF : 256880.1/20

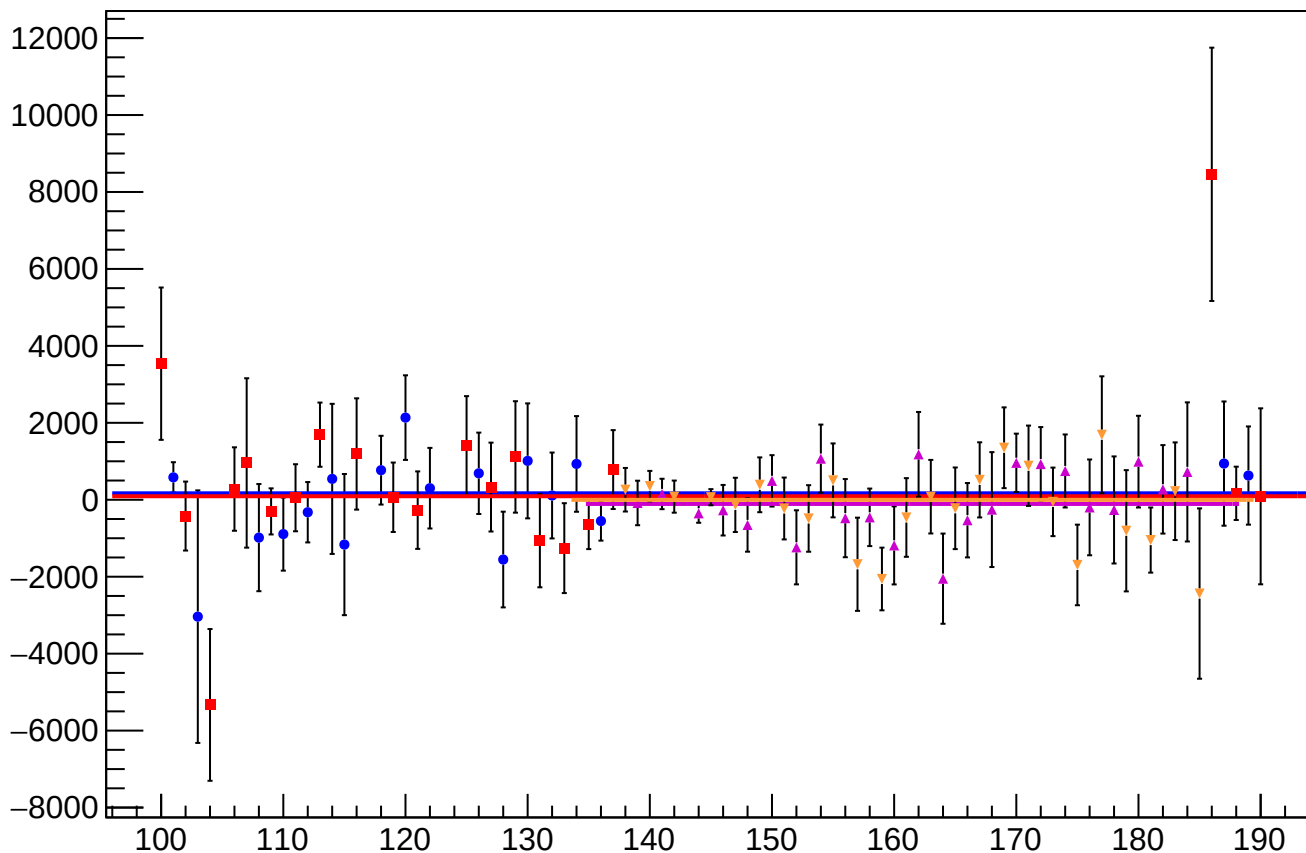
Left In: 1733.315+/-0.286 χ^2/NDF : 2230.5/22

+ sign 1763.702+/-0.244 χ^2/NDF : 727285.4/41

All: 1770.198+/-0.172 χ^2/NDF : 1066973.7/85

- sign 1776.566+/-0.241 χ^2/NDF : 338282.5/43

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug



Right In: 167.890 $\pm$ 214.967 χ^2 /NDF: 13.8/17

Left Out: -2.406 $\pm$ 130.052 χ^2 /NDF:20.3/23

Right Out: 91.439 $\pm$ 223.698 χ^2 /NDF: 27.9/20

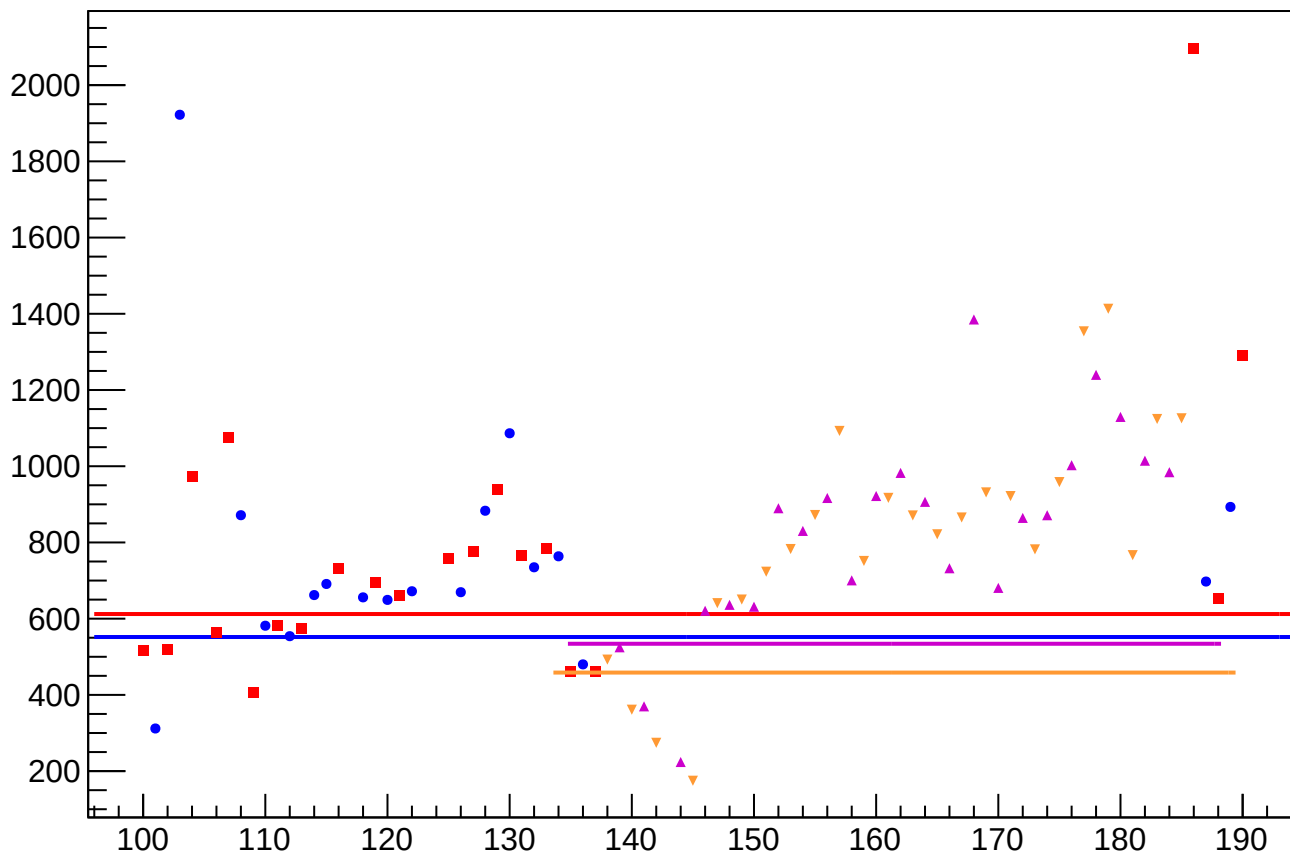
Left In: -108.386 $\pm$ 143.315 χ^2 /NDF:17.0/22

+ sign 43.223 $\pm$ 111.273 χ^2 /NDF: 34.6/41

All: 0.275 $\pm$ 81.804 χ^2 /NDF: 80.4/85

- sign -50.236 $\pm$ 120.674 χ^2 /NDF: 45.5/43

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 551.874+/-0.152 χ^2/NDF : 2020735.9/17

Left Out: 458.579+/-0.092 χ^2/NDF : 11426734.4/23

Right Out: 612.191+/-0.158 χ^2/NDF : 1446448.8/20

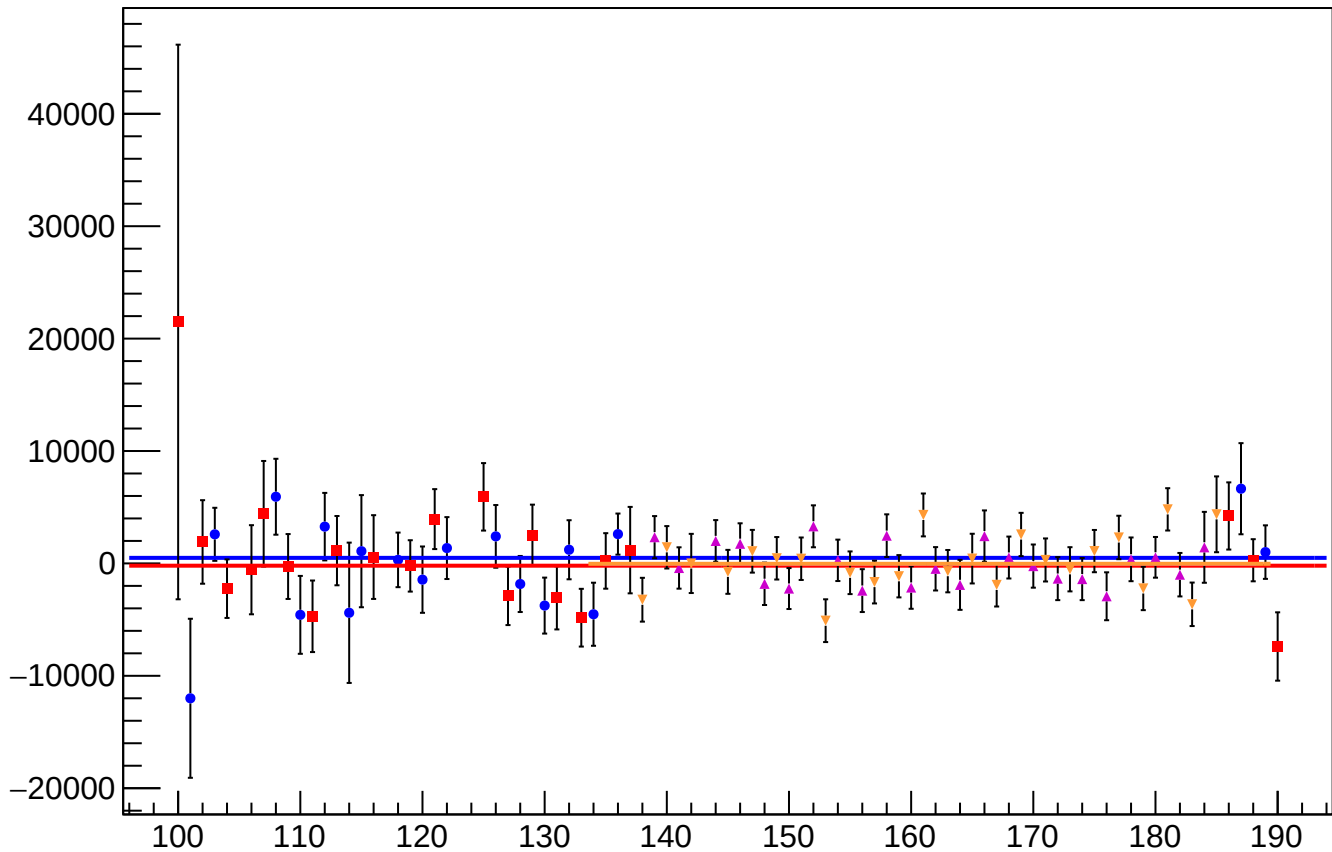
Left In: 534.161+/-0.101 χ^2/NDF : 8443293.1/22

+ sign 483.576+/-0.079 χ^2/NDF : 13723240.8/41

All: 517.257+/-0.058 χ^2/NDF : 24184251.4/83

- sign 556.868+/-0.085 χ^2/NDF : 10062278.1/43

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 493.715 $\pm$ 670.766 χ^2 /NDF: 21.9/17

Left Out: -34.742 $\pm$ 401.970 χ^2 /NDF:35.4/23

Right Out: -203.636 $\pm$ 636.531 χ^2 /NDF: 25.9/20

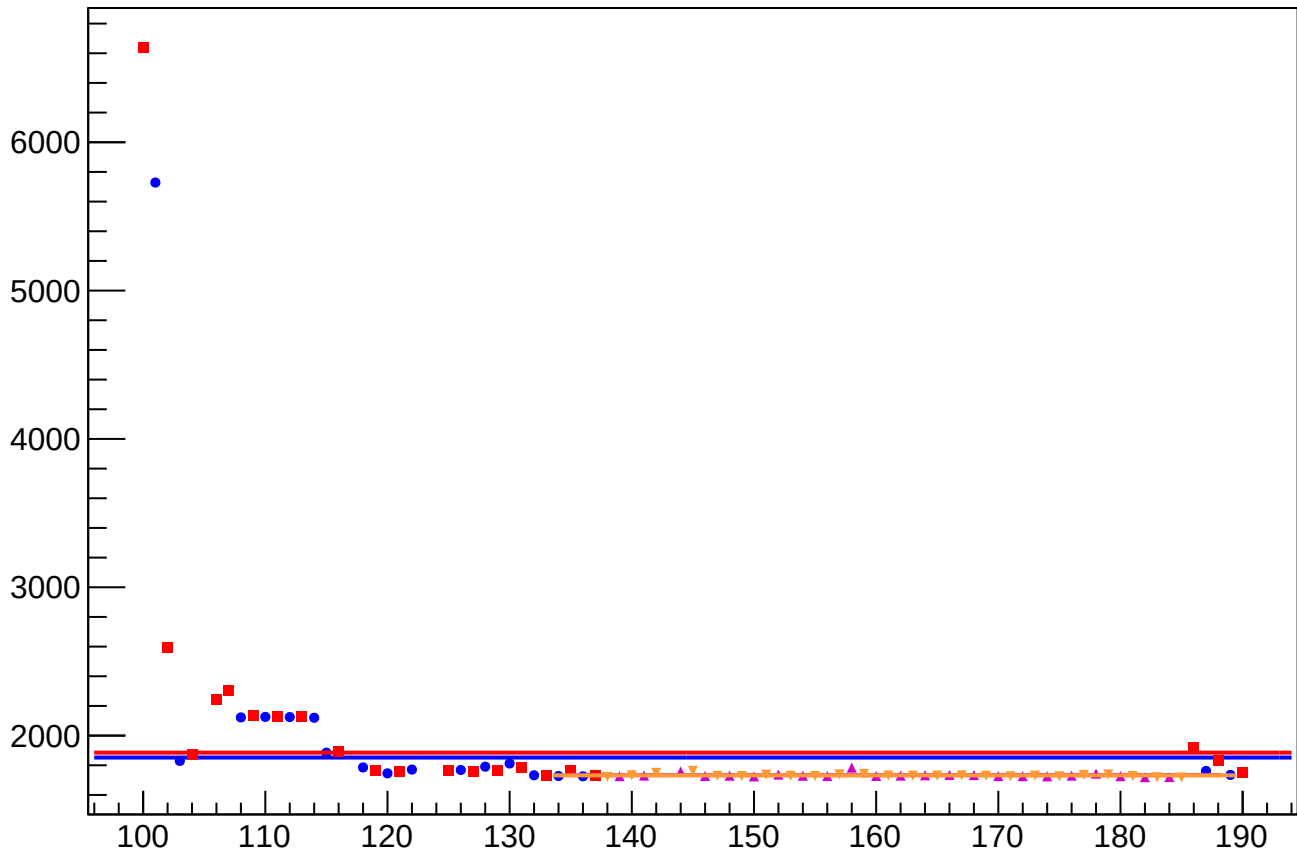
Left In: -52.714 $\pm$ 404.703 χ^2 /NDF:19.4/22

+ sign 104.893 $\pm$ 344.798 χ^2 /NDF: 57.7/41

All: 3.407 $\pm$ 242.642 χ^2 /NDF: 103.2/85

- sign -96.159 $\pm$ 341.520 χ^2 /NDF: 45.3/43

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1852.019+/-0.474 χ^2/NDF : 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF : 937.2/23

Right Out: 1885.134+/-0.450 χ^2/NDF : 264043.3/20

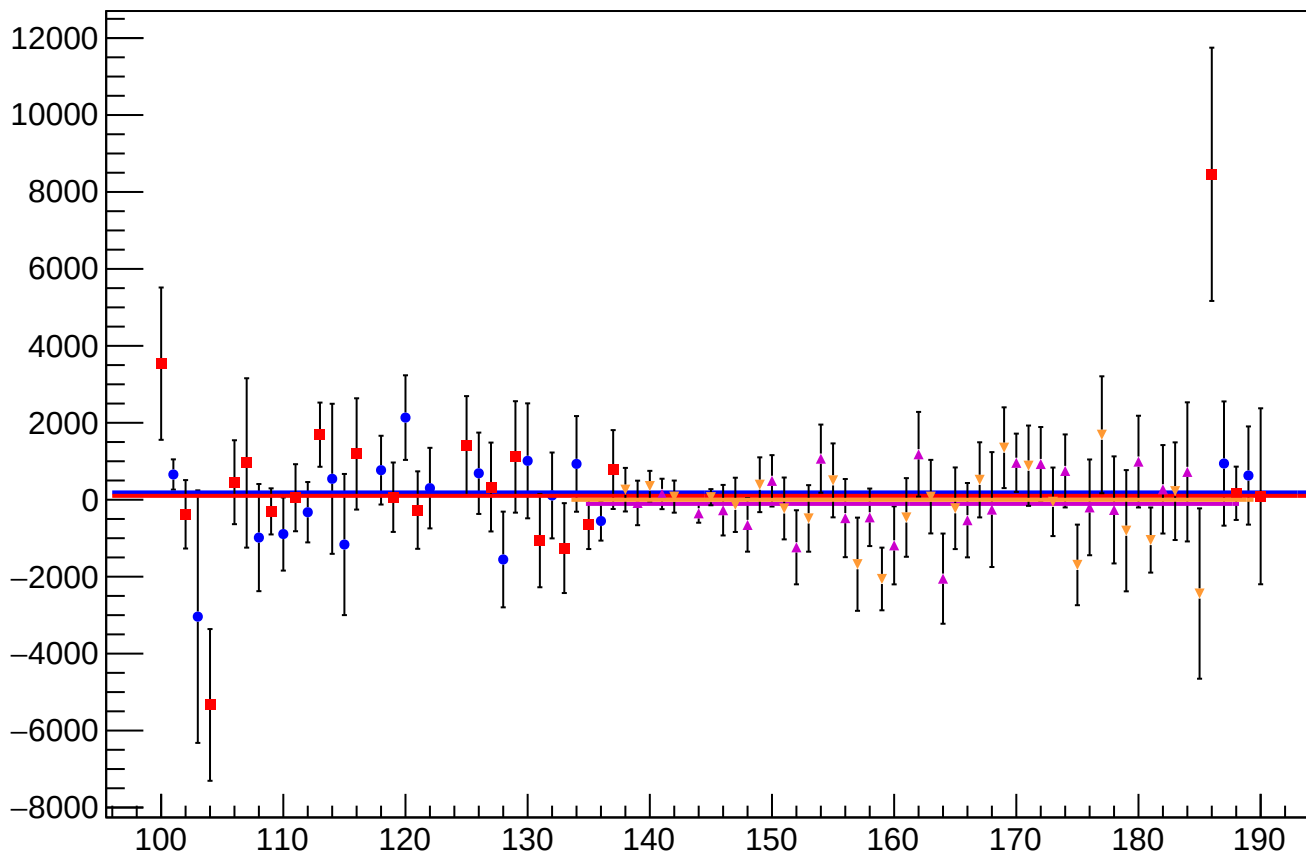
Left In: 1733.315+/-0.286 χ^2/NDF : 2230.5/22

+ sign 1763.702+/-0.244 χ^2/NDF : 727285.2/41

All: 1770.424+/-0.172 χ^2/NDF : 1076086.9/85

- sign 1777.019+/-0.241 χ^2/NDF : 347295.7/43

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug



Right In: 190.141 $\pm$ 214.897 χ^2 /NDF: 14.3/17

Left Out: -2.529 $\pm$ 130.054 χ^2 /NDF:20.3/23

Right Out: 101.095 $\pm$ 223.651 χ^2 /NDF: 27.9/20

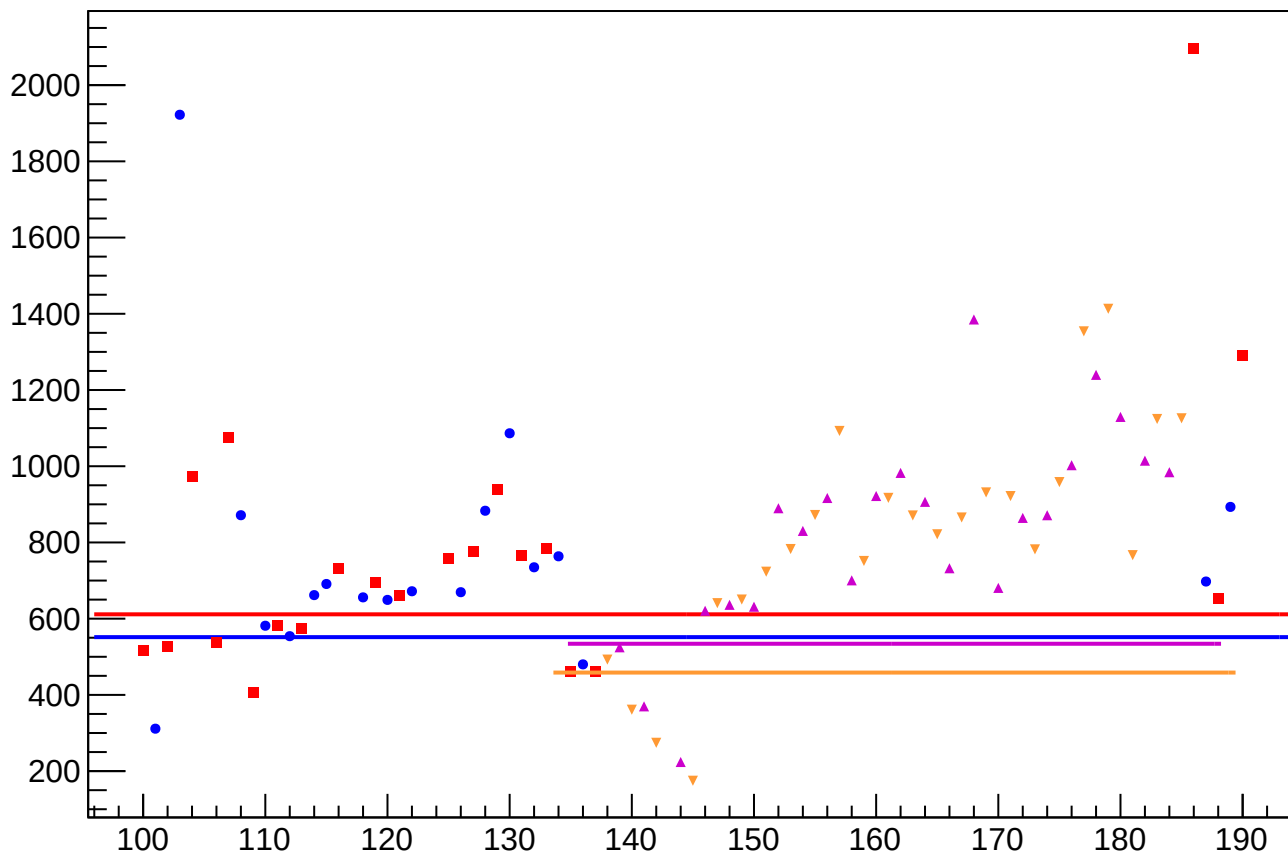
Left In: -108.358 $\pm$ 143.315 χ^2 /NDF:17.0/22

+ sign 49.121 $\pm$ 111.265 χ^2 /NDF: 35.1/41

All: 4.772 $\pm$ 81.798 χ^2 /NDF: 81.0/85

- sign -47.388 $\pm$ 120.667 χ^2 /NDF: 45.6/43

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 551.568 $\pm$ 0.152 χ^2 /NDF: 2025427.2/17

Left Out: 458.589 $\pm$ 0.092 χ^2 /NDF:11426319.1/23

Right Out: 611.424 $\pm$ 0.158 χ^2 /NDF: 1449136.3/20

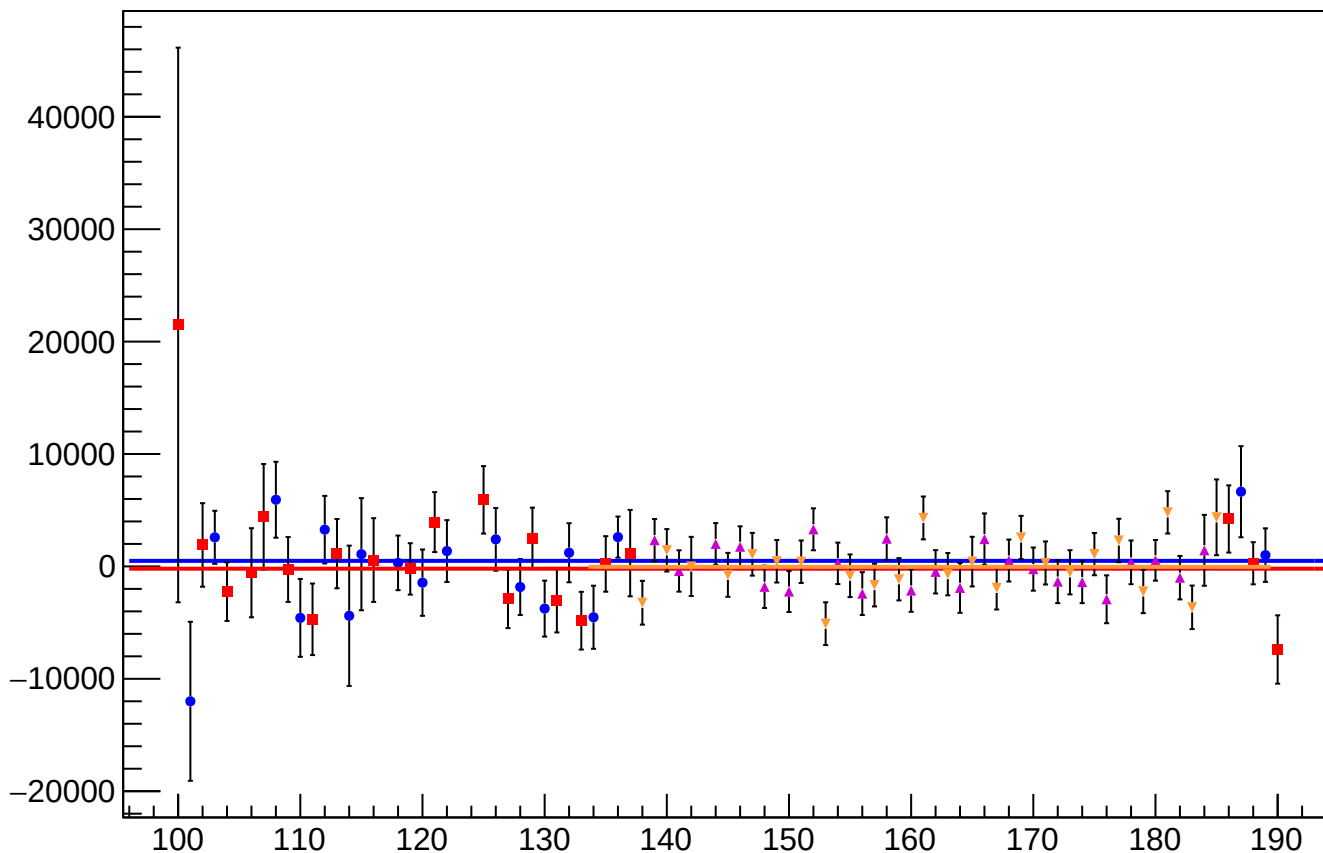
Left In: 534.168 $\pm$ 0.101 χ^2 /NDF:8442812.5/22

+ sign 483.514 $\pm$ 0.079 χ^2 /NDF: 13725780.3/41

All: 517.125 $\pm$ 0.058 χ^2 /NDF: 24184068.8/85

- sign 556.657 $\pm$ 0.085 χ^2 /NDF: 10061123.7/43

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 493.715 $\pm$ 670.766 χ^2 /NDF: 21.9/17

Left Out: -34.742 $\pm$ 401.970 χ^2 /NDF:35.4/23

Right Out: -203.636 $\pm$ 636.531 χ^2 /NDF: 25.9/20

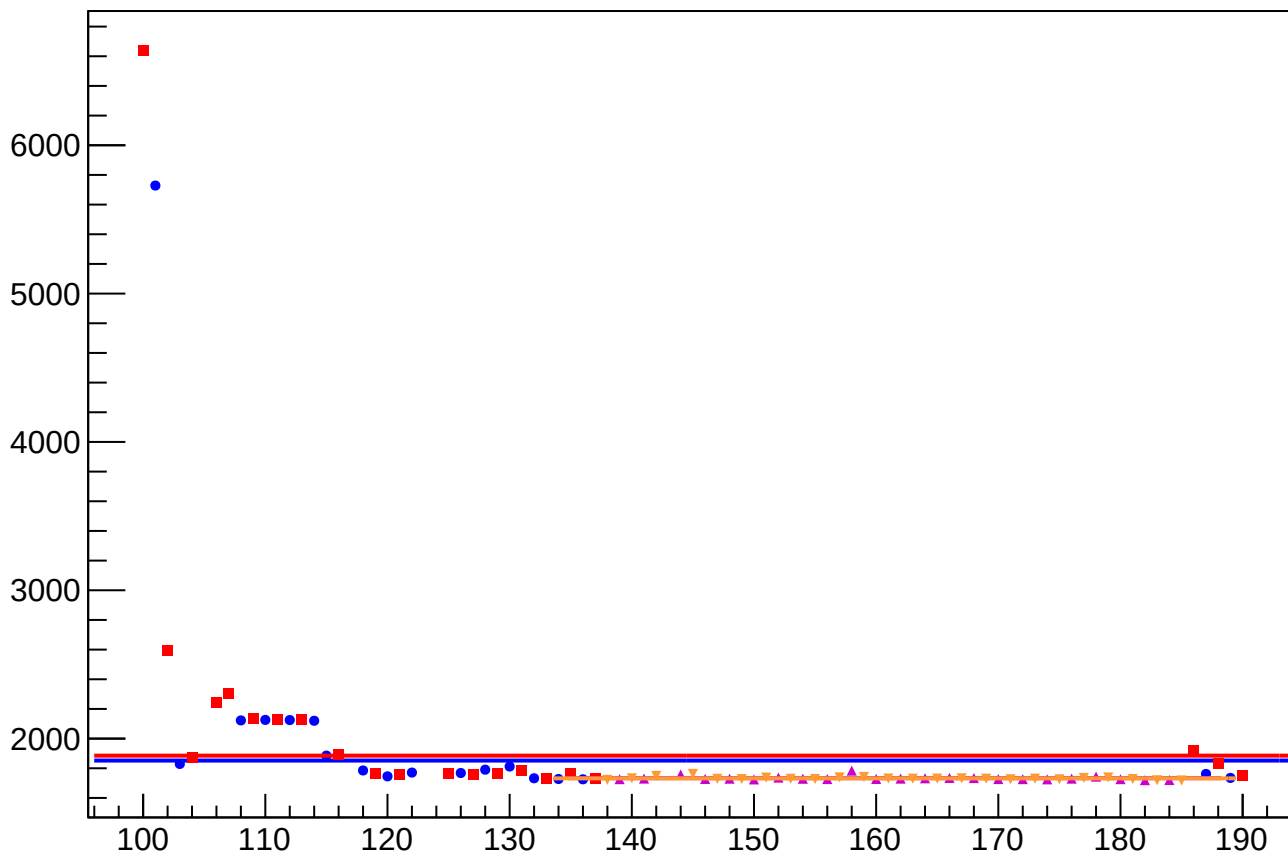
Left In: -52.714 $\pm$ 404.703 χ^2 /NDF:19.4/22

+ sign 104.893 $\pm$ 344.798 χ^2 /NDF: 57.7/41

All: 3.407 $\pm$ 242.642 χ^2 /NDF: 103.2/85

- sign -96.159 $\pm$ 341.520 χ^2 /NDF: 45.3/43

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1852.019 ± 0.474 χ^2/NDF : 679224.8/17

Left Out: 1731.985 ± 0.284 χ^2/NDF : 937.2/23

Right Out: 1885.134 ± 0.450 χ^2/NDF : 264043.3/20

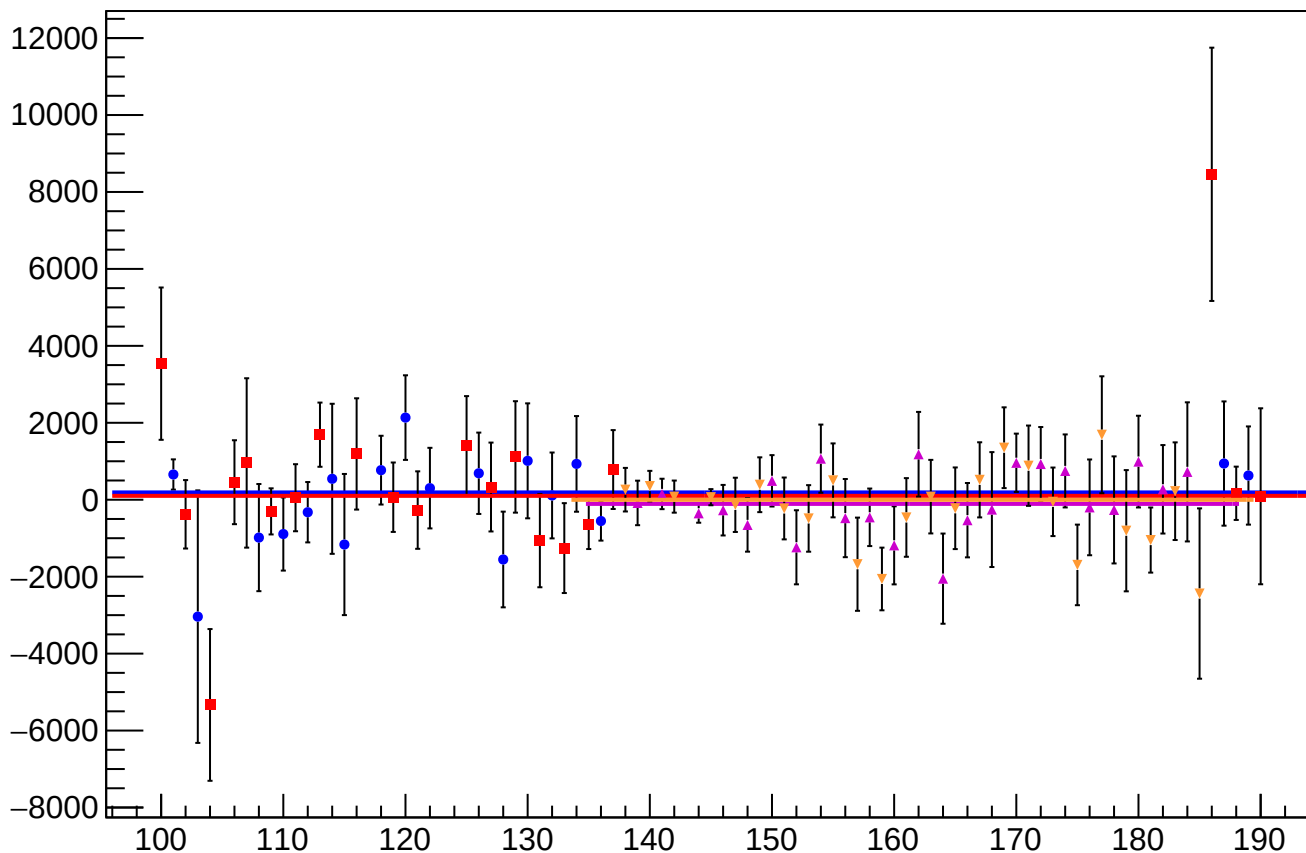
Left In: 1733.315 ± 0.286 χ^2/NDF : 2230.5/22

+ sign 1763.702 ± 0.244 χ^2/NDF : 727285.2/41

All: 1770.424 ± 0.172 χ^2/NDF : 1076086.9/85

- sign 1777.019 ± 0.241 χ^2/NDF : 347295.7/43

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 190.141+/-214.897 χ^2/NDF : 14.3/17

Left Out: -2.529+/-130.054 χ^2/NDF : 20.3/23

Right Out: 101.095+/-223.651 χ^2/NDF : 27.9/20

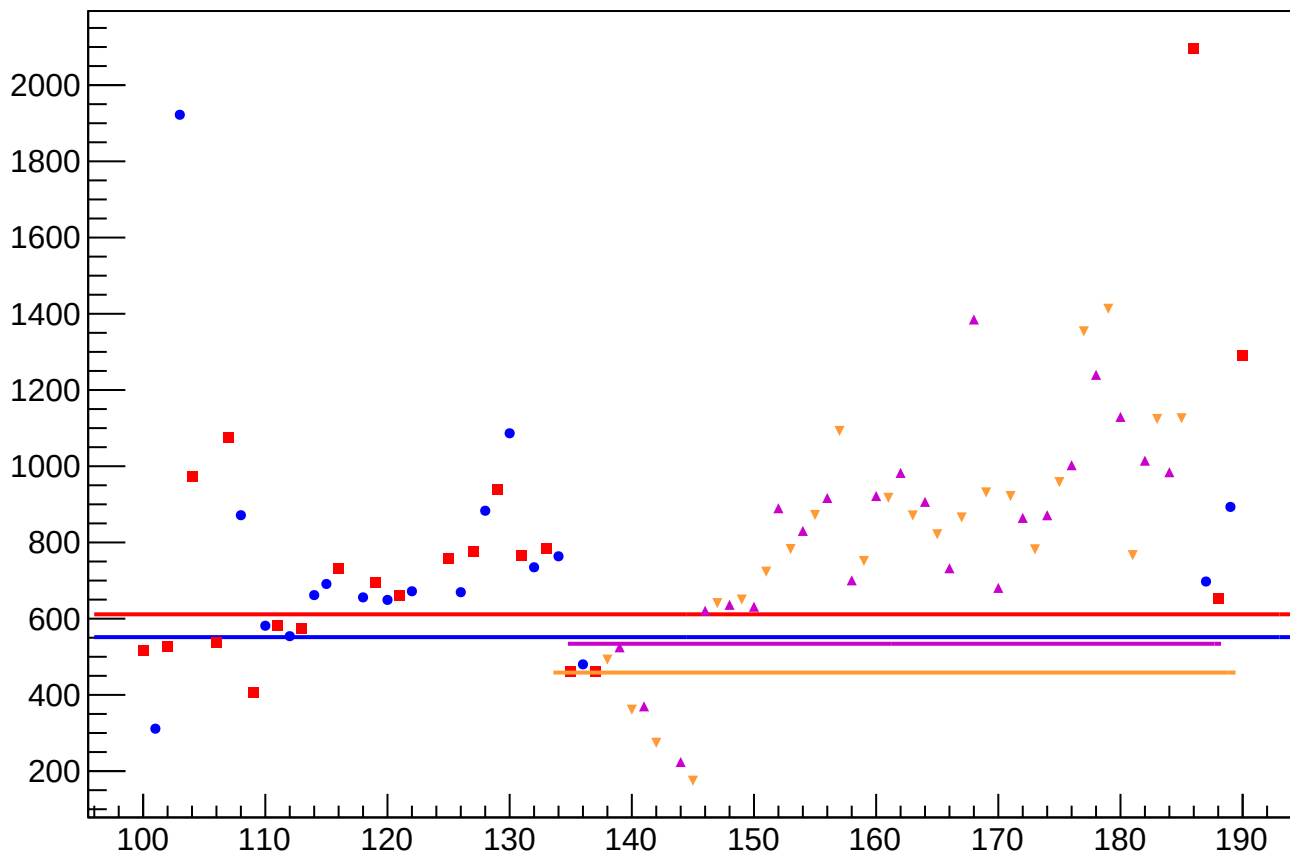
Left In: -108.358+/-143.315 χ^2/NDF : 17.0/22

+ sign 49.121+/-111.265 χ^2/NDF : 35.1/41

All: 4.772+/-81.798 χ^2/NDF : 81.0/85

- sign -47.388+/-120.667 χ^2/NDF : 45.6/43

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 551.568 +/- 0.152 χ^2/NDF : 2025427.2/17

Left Out: 458.589 +/- 0.092 χ^2/NDF : 11426319.1/23

Right Out: 611.424 +/- 0.158 χ^2/NDF : 1449136.3/20

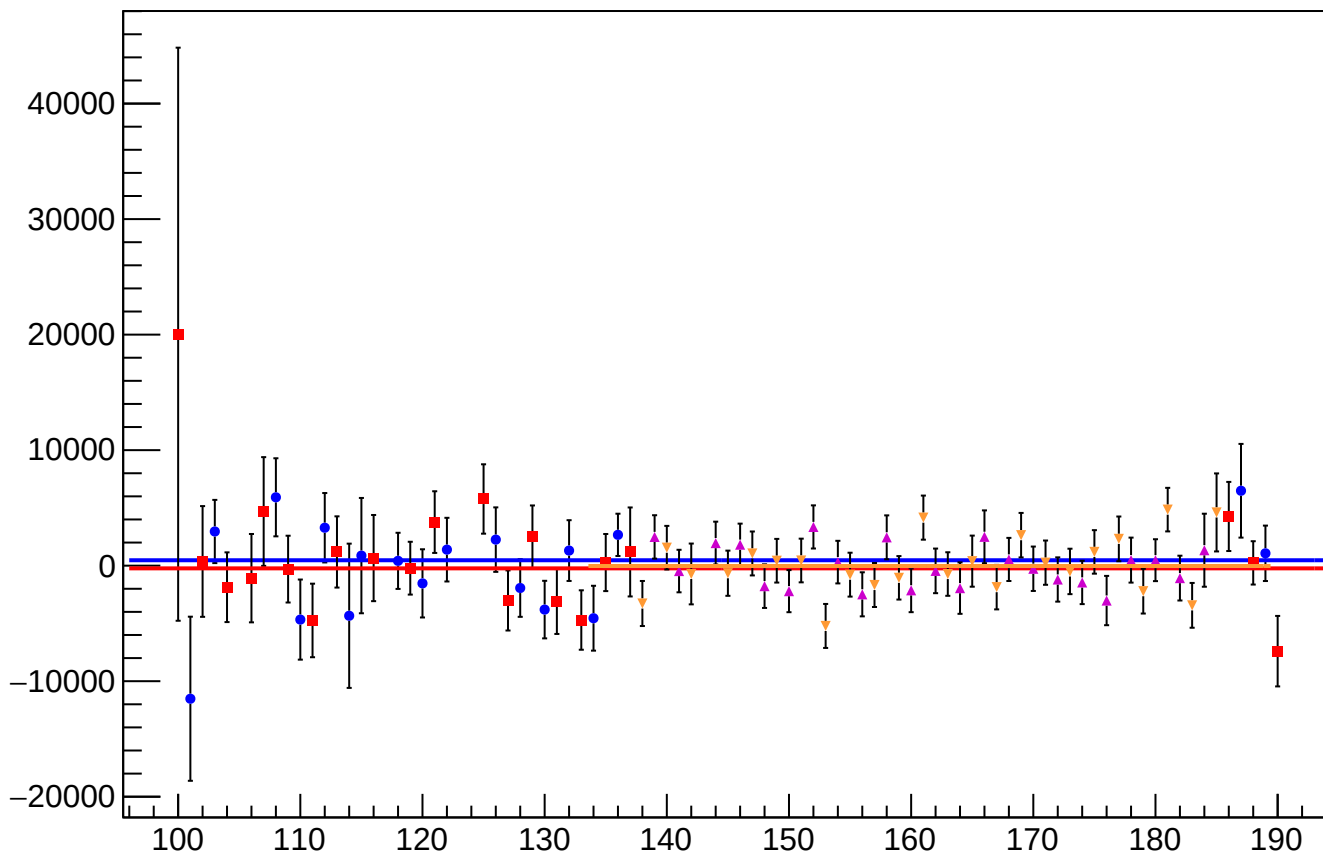
Left In: 534.168 +/- 0.101 χ^2/NDF : 8442812.5/22

+ sign 483.514 +/- 0.079 χ^2/NDF : 13725780.3/41

All: 517.125 +/- 0.058 χ^2/NDF : 24184068.8/85

- sign 556.657 +/- 0.085 χ^2/NDF : 10061123.7/43

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 468.924 $\pm$ 678.636 χ^2 /NDF: 21.8/17

Left Out: -29.389 $\pm$ 402.317 χ^2 /NDF:35.4/23

Right Out: -233.673 $\pm$ 645.262 χ^2 /NDF: 24.9/20

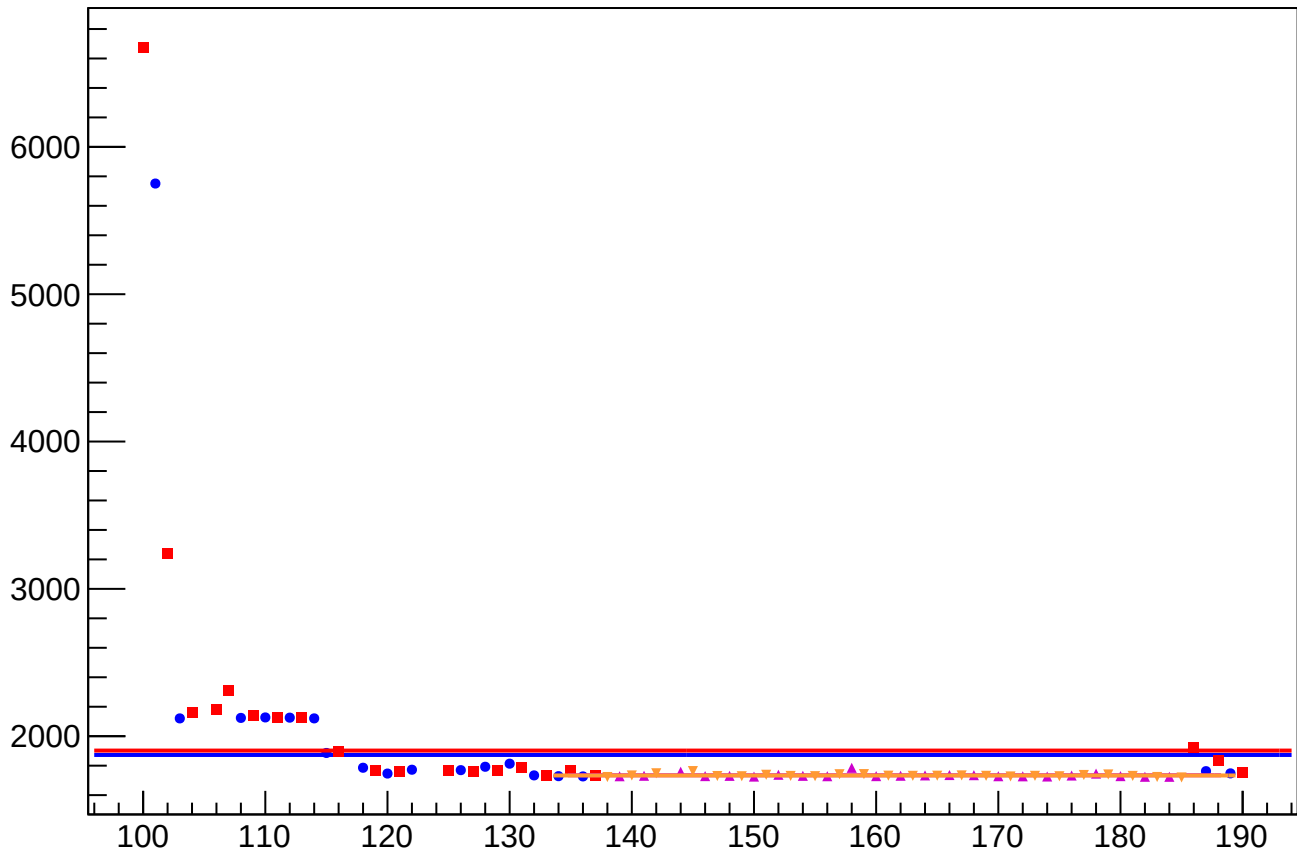
Left In: -42.465 $\pm$ 405.052 χ^2 /NDF:19.9/22

+ sign 100.200 $\pm$ 346.074 χ^2 /NDF: 57.6/41

All: 0.984 $\pm$ 243.639 χ^2 /NDF: 102.6/85

- sign -96.512 $\pm$ 343.061 χ^2 /NDF: 44.8/43

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1872.646+/-0.480 χ^2/NDF : 697173.2/17

Left Out: 1733.478+/-0.284 χ^2/NDF :901.3/23

Right Out: 1902.402 ± 0.456 χ^2/NDF : 360744.8/20

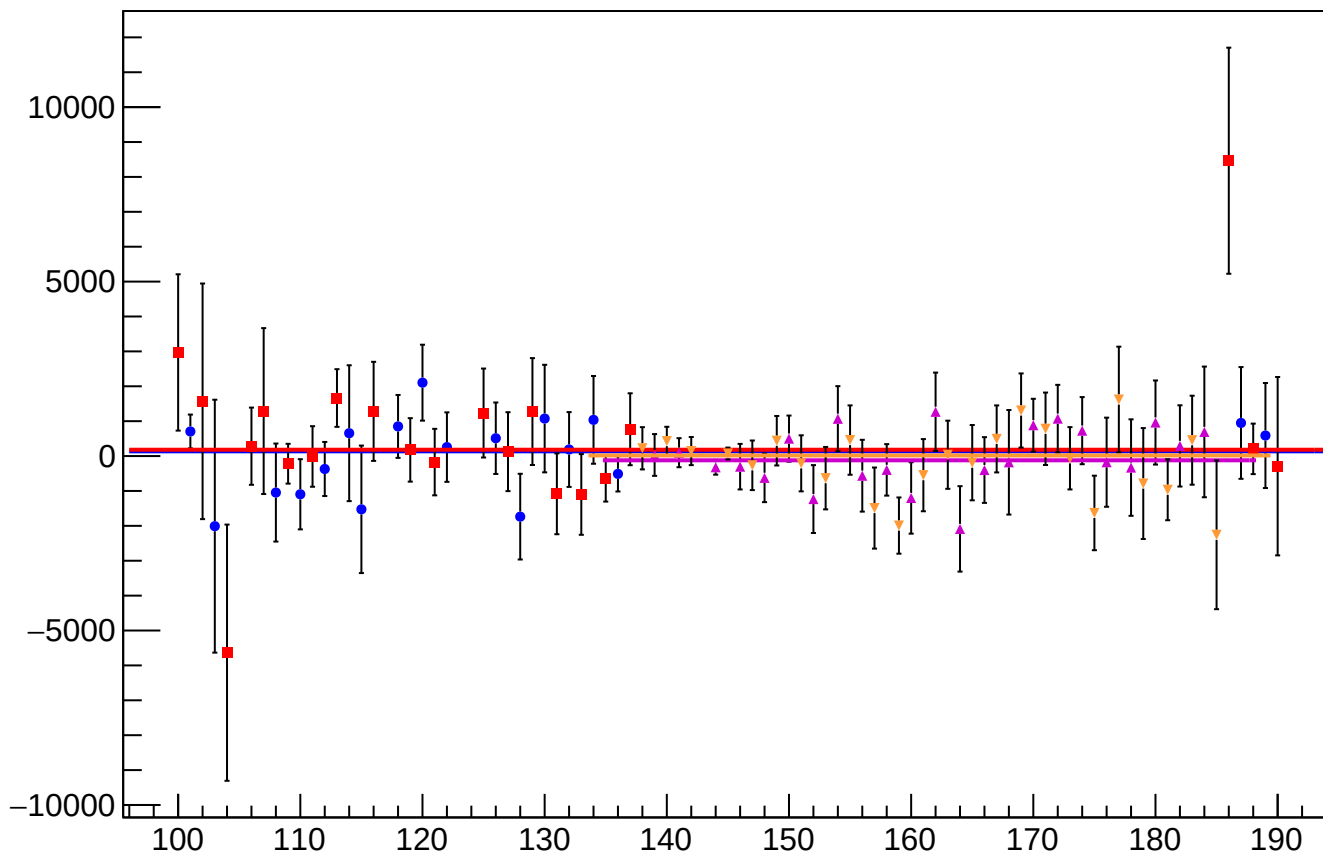
Left In: 1734.810+/-0.286 χ^2/NDF :2175.7/22

+ sign 1769.670+/-0.245 χ^2/NDF : 760309.6/41

All: 1775.981+/-0.172 χ^2/NDF : 1221329.7/85

- sign 1782.182+/-0.243 χ^2/NDF : 459701.4/43

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug



Right In: 135.884 $\pm$ 226.706 χ^2 /NDF: 14.5/17

Left Out: 18.027 $\pm$ 119.333 χ^2 /NDF:19.4/23

Right Out: 181.537 $\pm$ 231.299 χ^2 /NDF: 21.0/20

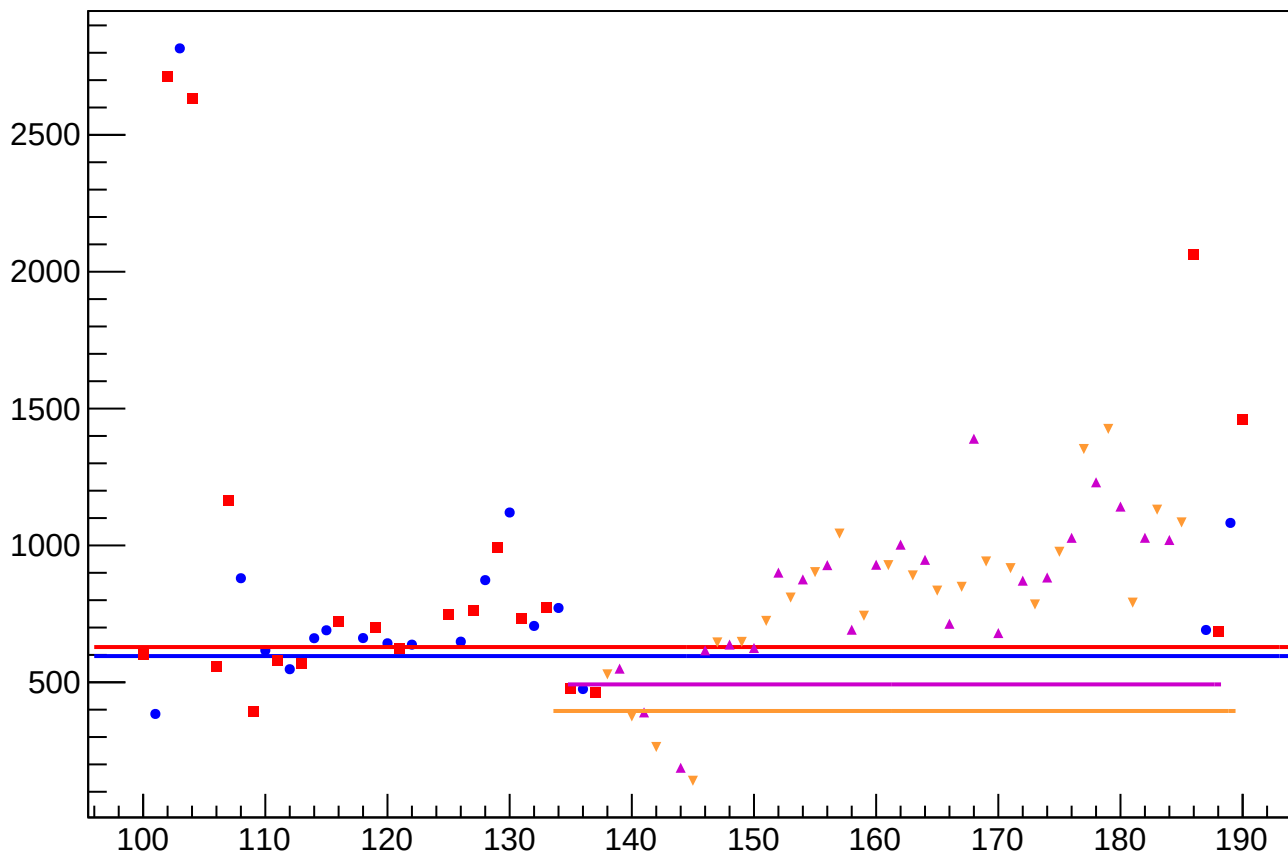
Left In: -121.705 $\pm$ 137.150 χ^2 /NDF:16.5/22

+ sign 43.597 $\pm$ 105.597 χ^2 /NDF: 34.2/41

All: 5.156 $\pm$ 78.681 χ^2 /NDF: 73.2/85

- sign -42.822 $\pm$ 117.970 χ^2 /NDF: 38.7/43

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug



Right In: 595.797 $\pm$ 0.160 χ^2 /NDF: 1977179.0/17

Left Out: 395.188 $\pm$ 0.084 χ^2 /NDF: 14334419.9/23

Right Out: 628.762 $\pm$ 0.164 χ^2 /NDF: 2830094.4/20

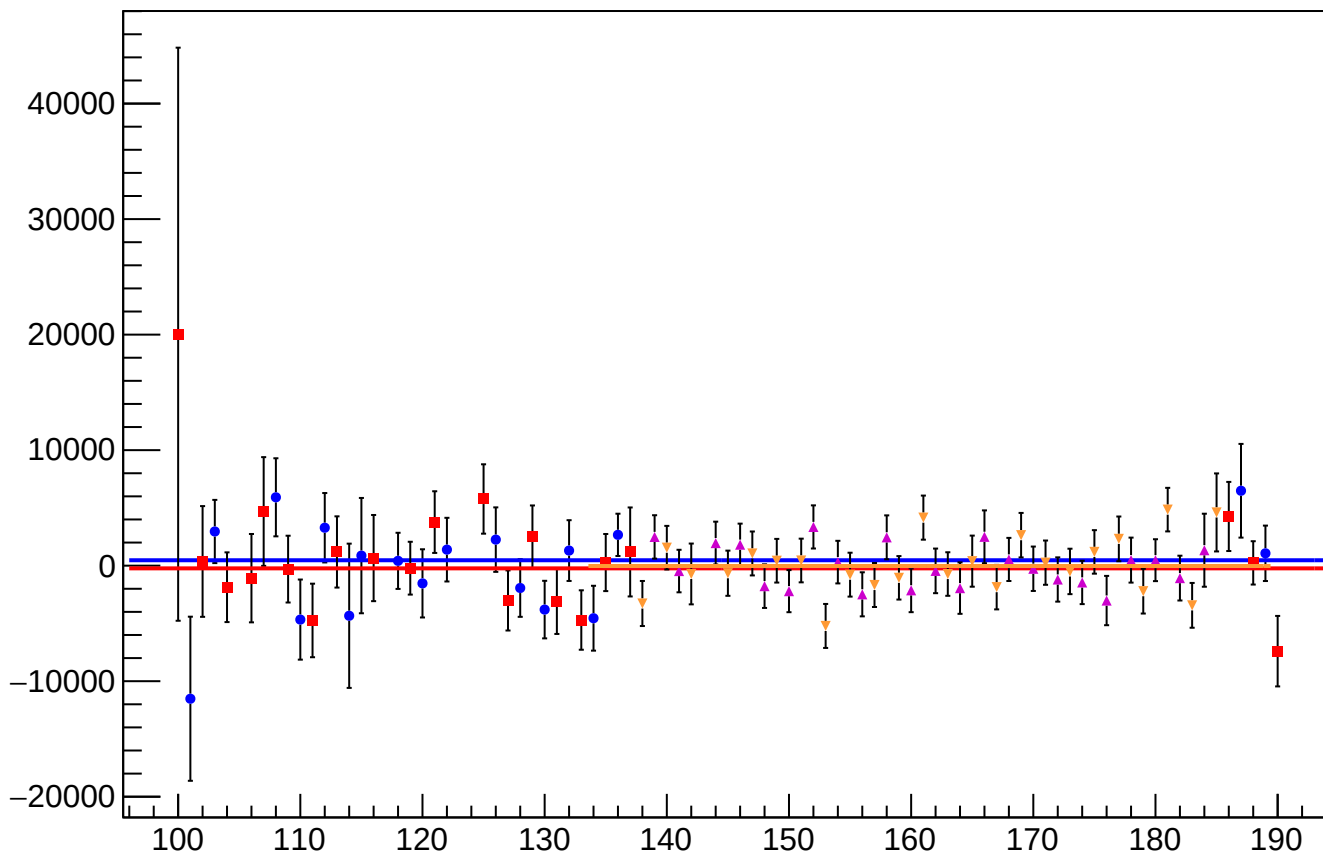
Left In: 492.294 $\pm$ 0.097 χ^2 /NDF: 10419498.8/22

+ sign 438.712 $\pm$ 0.075 χ^2 /NDF: 17537869.9/41

All: 478.338 $\pm$ 0.056 χ^2 /NDF: 31935691.9/83

- sign 527.794 $\pm$ 0.083 χ^2 /NDF: 13764693.4/43

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 468.924 ± 678.636 χ^2/NDF : 21.8/17

Left Out: -29.392 ± 402.317 χ^2/NDF : 35.4/23

Right Out: -233.673 ± 645.262 χ^2/NDF : 24.9/20

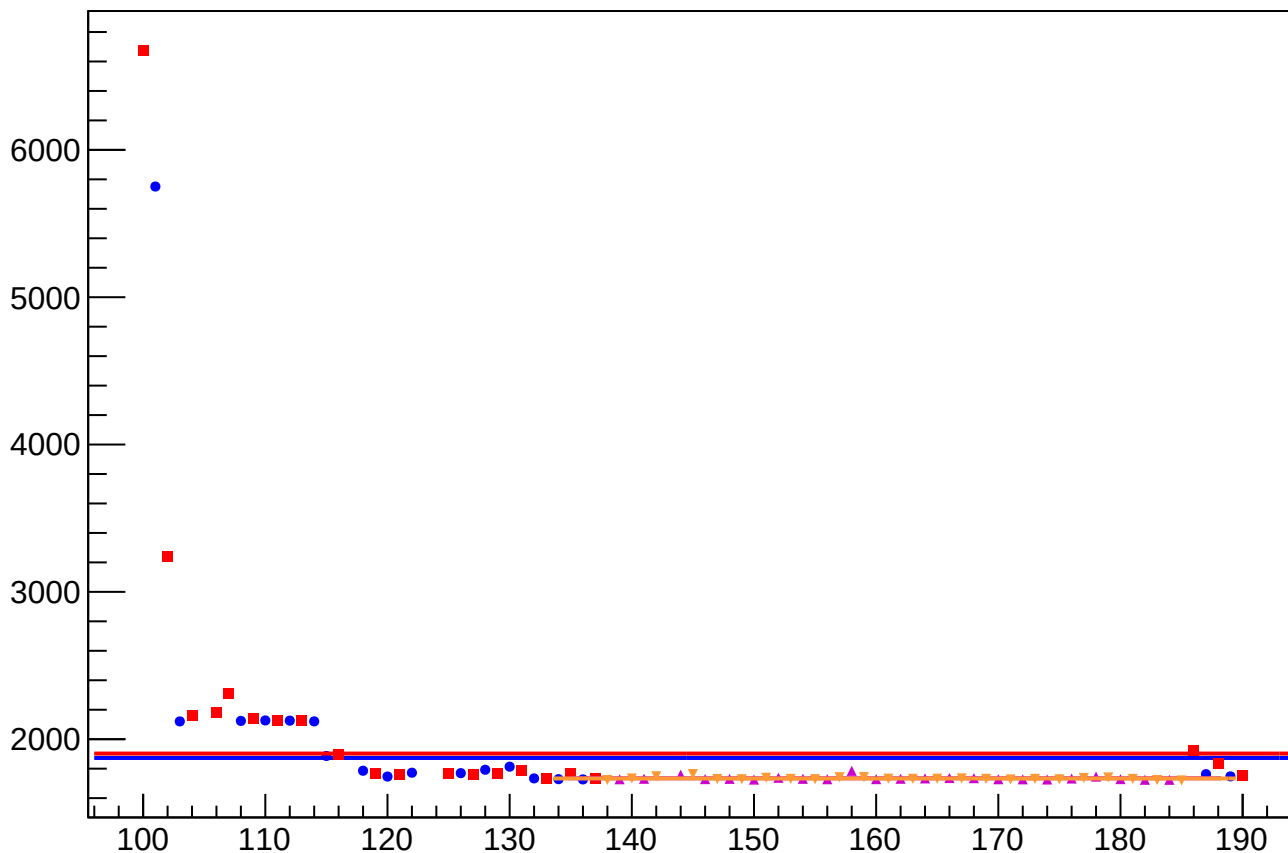
Left In: -42.465 ± 405.052 χ^2/NDF : 19.9/22

+ sign 100.197 ± 346.074 χ^2/NDF : 57.6/41

All: 0.983 ± 243.639 χ^2/NDF : 102.6/85

- sign -96.513 ± 343.061 χ^2/NDF : 44.8/43

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1872.646 $\pm$ 0.480 χ^2 /NDF: 697172.9/17

Left Out: 1733.478 $\pm$ 0.284 χ^2 /NDF: 901.3/23

Right Out: 1902.402 $\pm$ 0.456 χ^2 /NDF: 360744.1/20

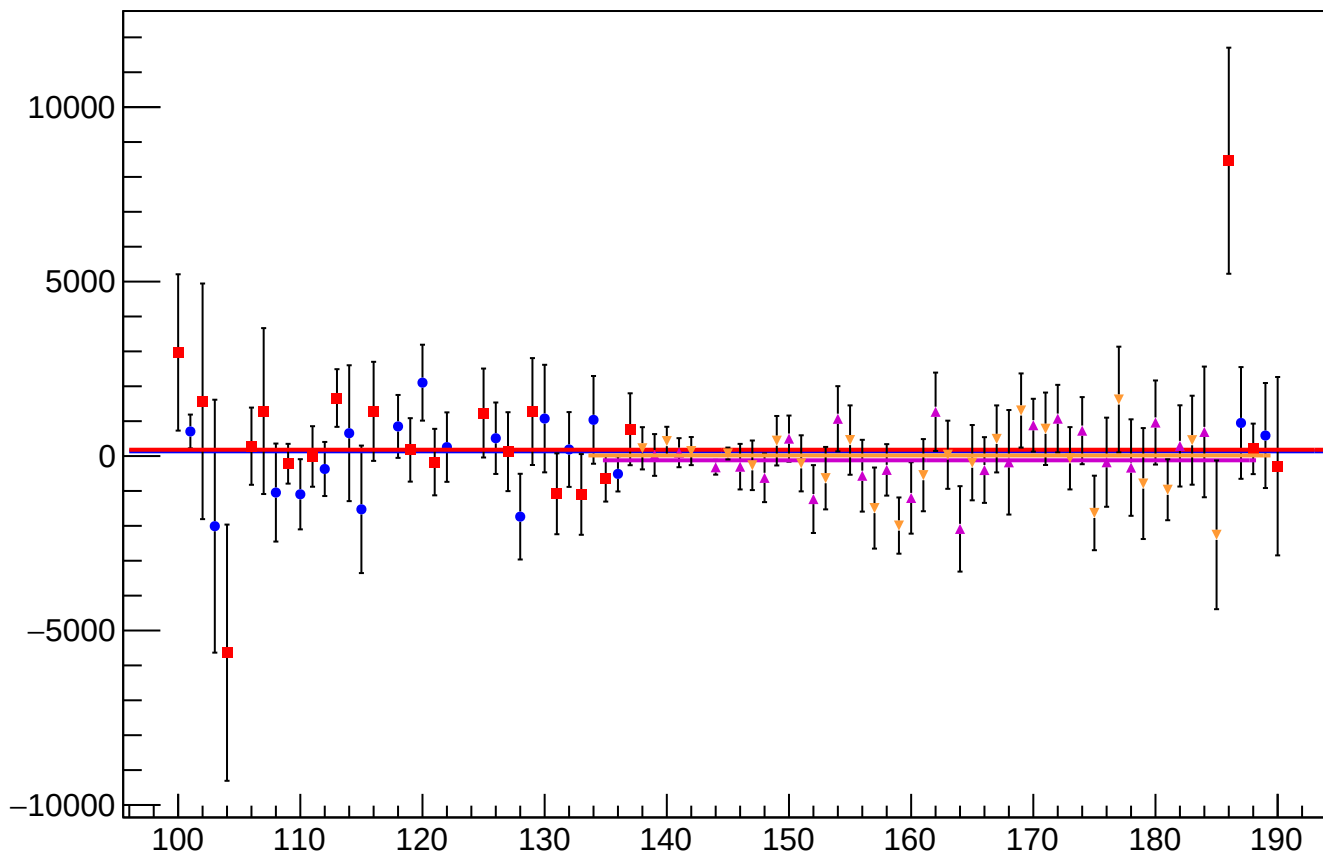
Left In: 1734.810 $\pm$ 0.286 χ^2 /NDF: 2175.7/22

+ sign 1769.670 $\pm$ 0.245 χ^2 /NDF: 760309.2/41

All: 1775.981 $\pm$ 0.172 χ^2 /NDF: 1221328.4/85

- sign 1782.182 $\pm$ 0.243 χ^2 /NDF: 459700.5/43

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 135.880 $\pm$ 226.705 χ^2 /NDF: 14.5/17

Left Out: 18.026 $\pm$ 119.333 χ^2 /NDF:19.4/23

Right Out: 181.536 $\pm$ 231.298 χ^2 /NDF: 21.0/20

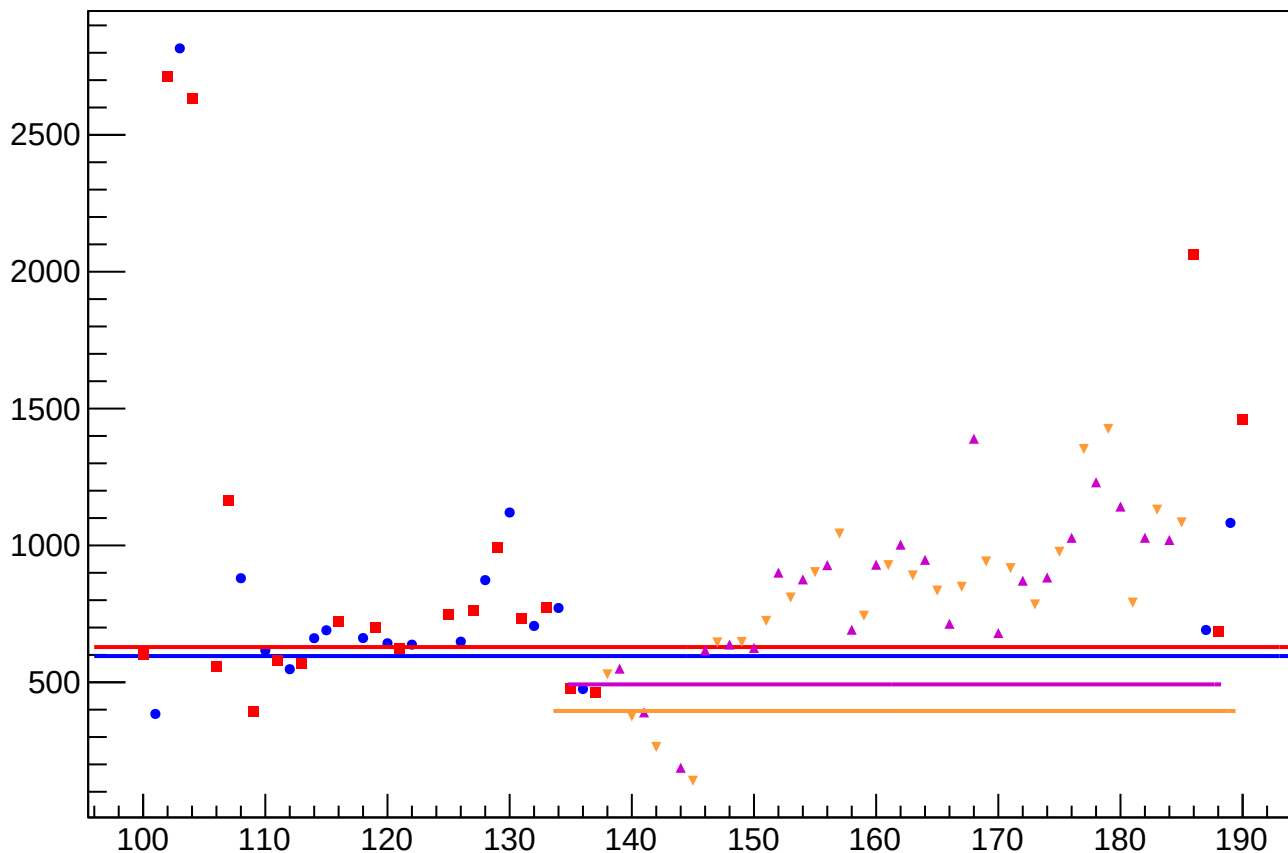
Left In: -121.706 $\pm$ 137.150 χ^2 /NDF:16.5/22

+ sign 43.595 $\pm$ 105.597 χ^2 /NDF: 34.2/41

All: 5.155 $\pm$ 78.681 χ^2 /NDF: 73.2/85

- sign -42.822 $\pm$ 117.970 χ^2 /NDF: 38.7/43

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 595.795 $\pm$ 0.160 χ^2 /NDF: 1977168.8/17

Left Out: 395.188 $\pm$ 0.084 χ^2 /NDF: 14334464.6/23

Right Out: 628.758 $\pm$ 0.164 χ^2 /NDF: 2830113.4/20

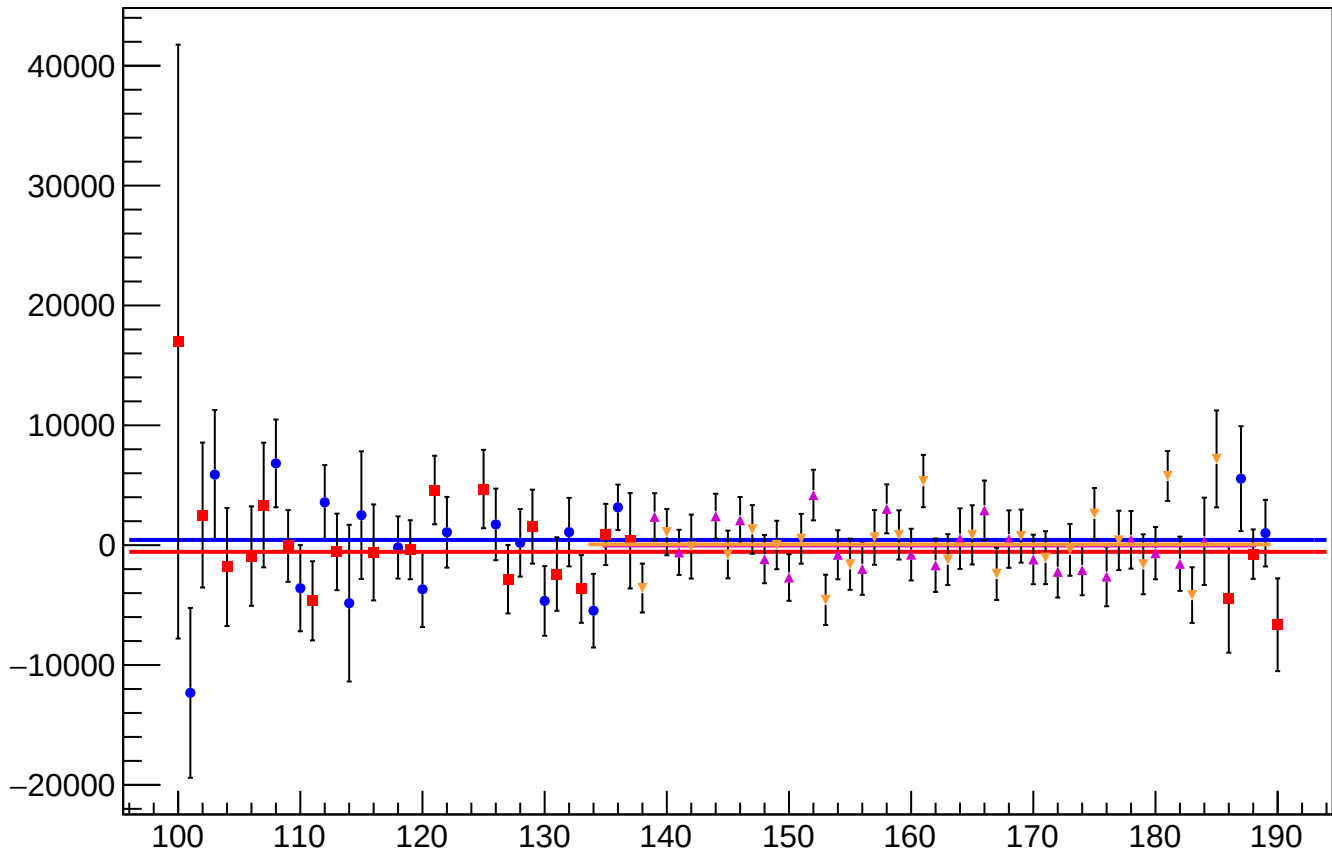
Left In: 492.295 $\pm$ 0.097 χ^2 /NDF: 10419523.2/22

+ sign 438.712 $\pm$ 0.075 χ^2 /NDF: 17537887.7/41

All: 478.338 $\pm$ 0.056 χ^2 /NDF: 31935721.7/85

- sign 527.794 $\pm$ 0.083 χ^2 /NDF: 13764706.1/43

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 437.769 $\pm$ 750.086 χ^2 /NDF: 22.7/17

Left Out: 66.661 $\pm$ 449.750 χ^2 /NDF:33.6/23

Right Out: -555.421 $\pm$ 718.476 χ^2 /NDF: 15.1/20

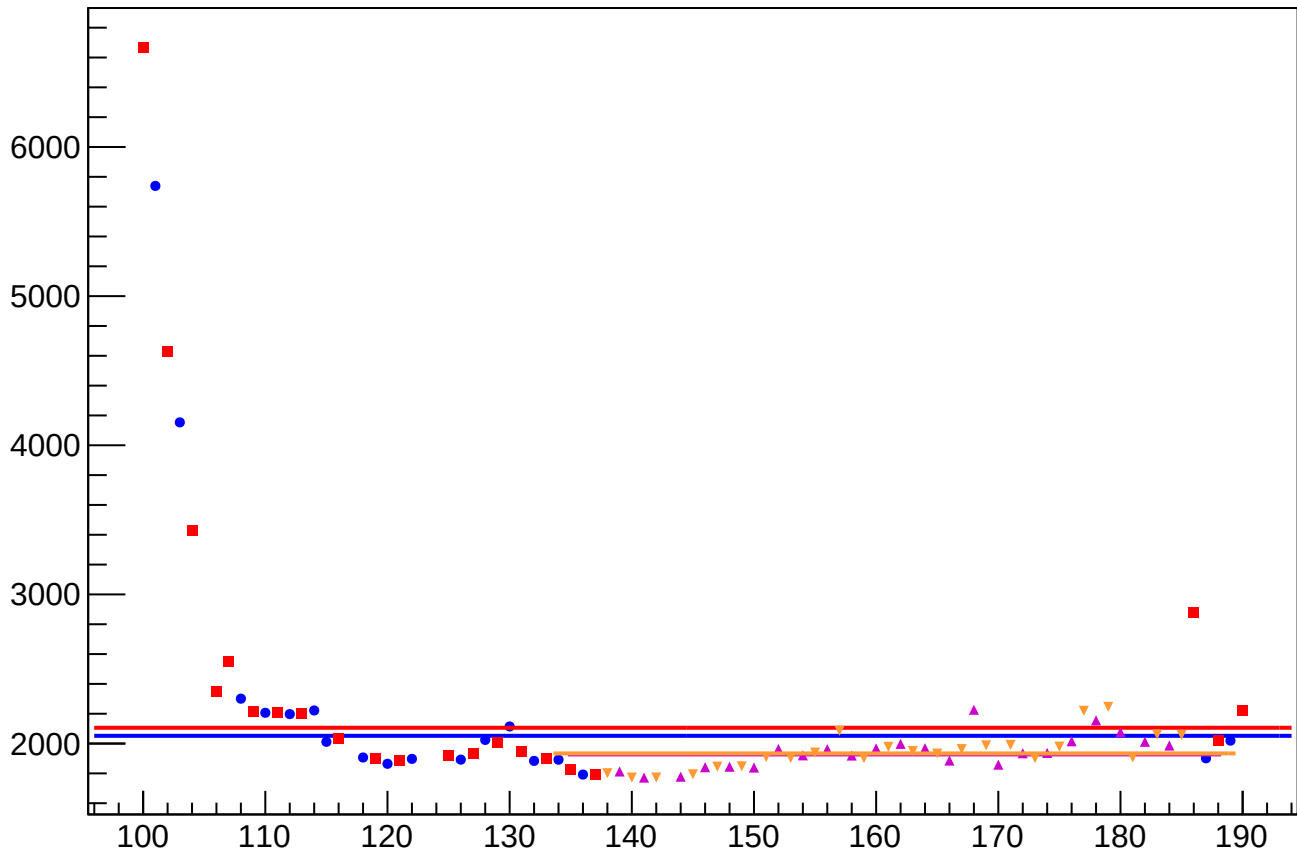
Left In: -25.575 $\pm$ 450.755 χ^2 /NDF:20.0/22

+ sign 164.799 $\pm$ 385.726 χ^2 /NDF: 56.4/41

All: -6.937 $\pm$ 271.362 χ^2 /NDF: 92.3/85

- sign -175.222 $\pm$ 381.831 χ^2 /NDF: 35.4/43

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2051.943 $\pm$ 0.530 χ^2 /NDF: 942695.9/17

Left Out: 1933.804 $\pm$ 0.318 χ^2 /NDF:128531.8/23

Right Out: 2105.930 $\pm$ 0.508 χ^2 /NDF: 747290.6/20

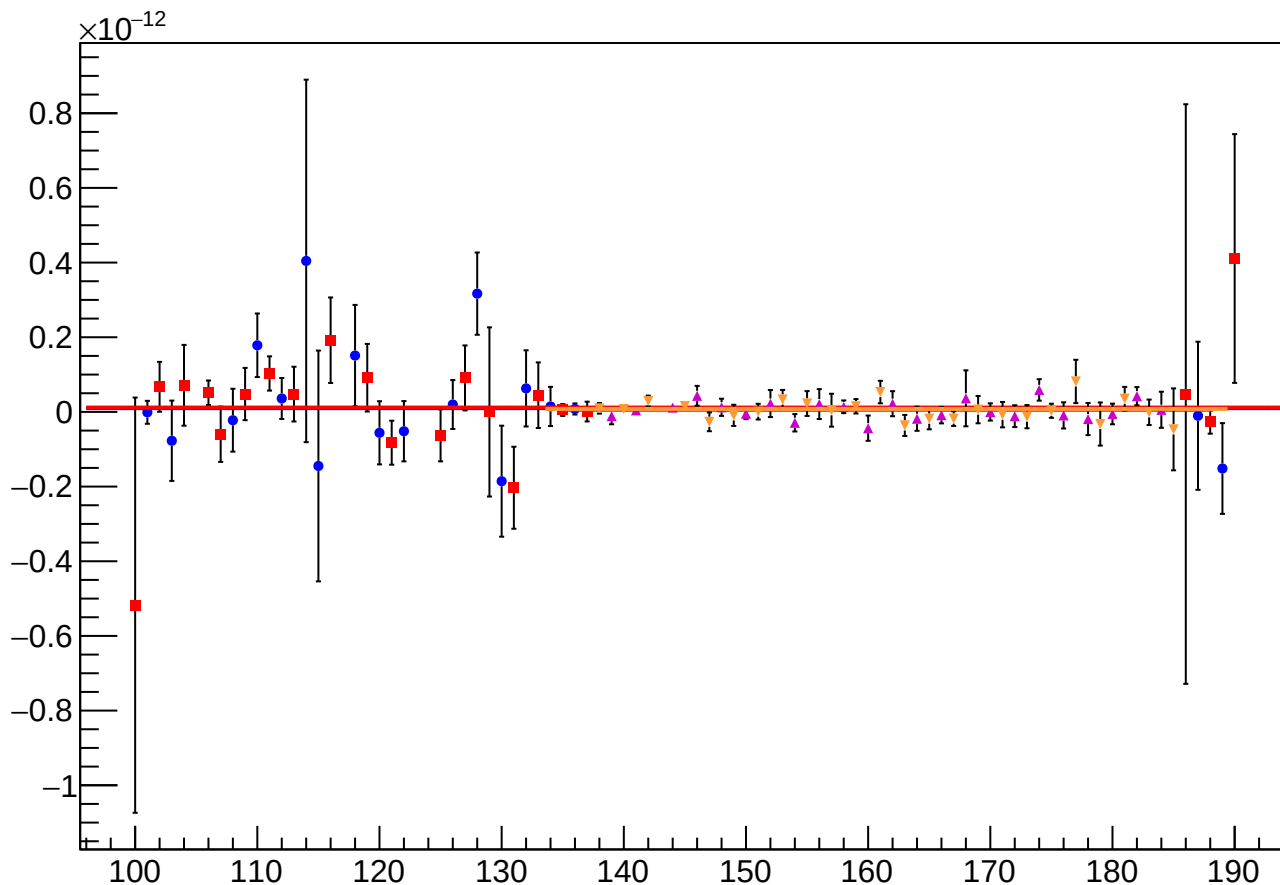
Left In: 1927.125 $\pm$ 0.319 χ^2 /NDF:116436.1/22

+ sign 1965.046 $\pm$ 0.273 χ^2 /NDF: 1107720.7/41

All: 1971.400 $\pm$ 0.192 χ^2 /NDF: 2061406.3/85

- sign 1977.626 $\pm$ 0.270 χ^2 /NDF: 952611.1/43

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.8/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:17.3/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.7/20

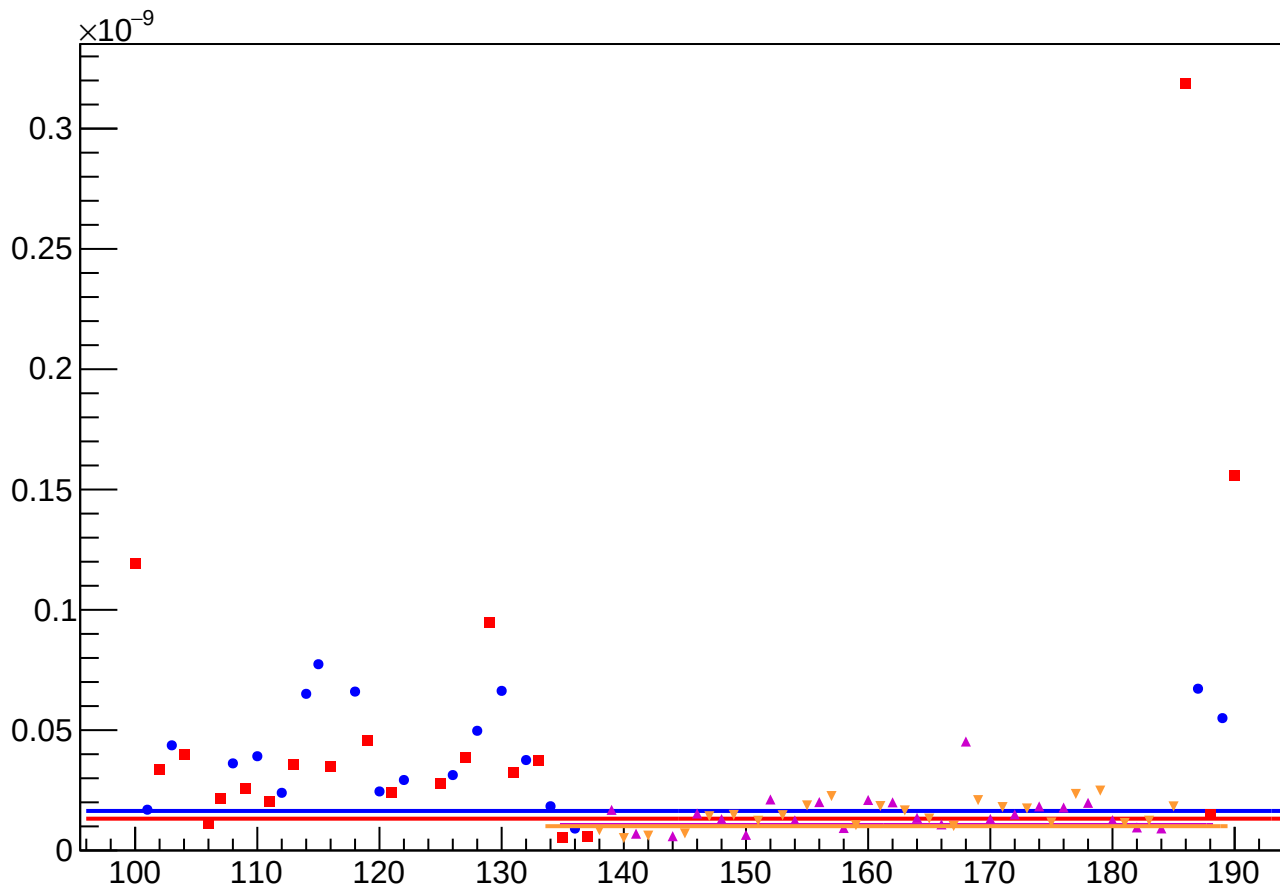
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:16.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.2/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 78.0/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.7/43

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2272480.2/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 2274817.9/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 3172177.7/20

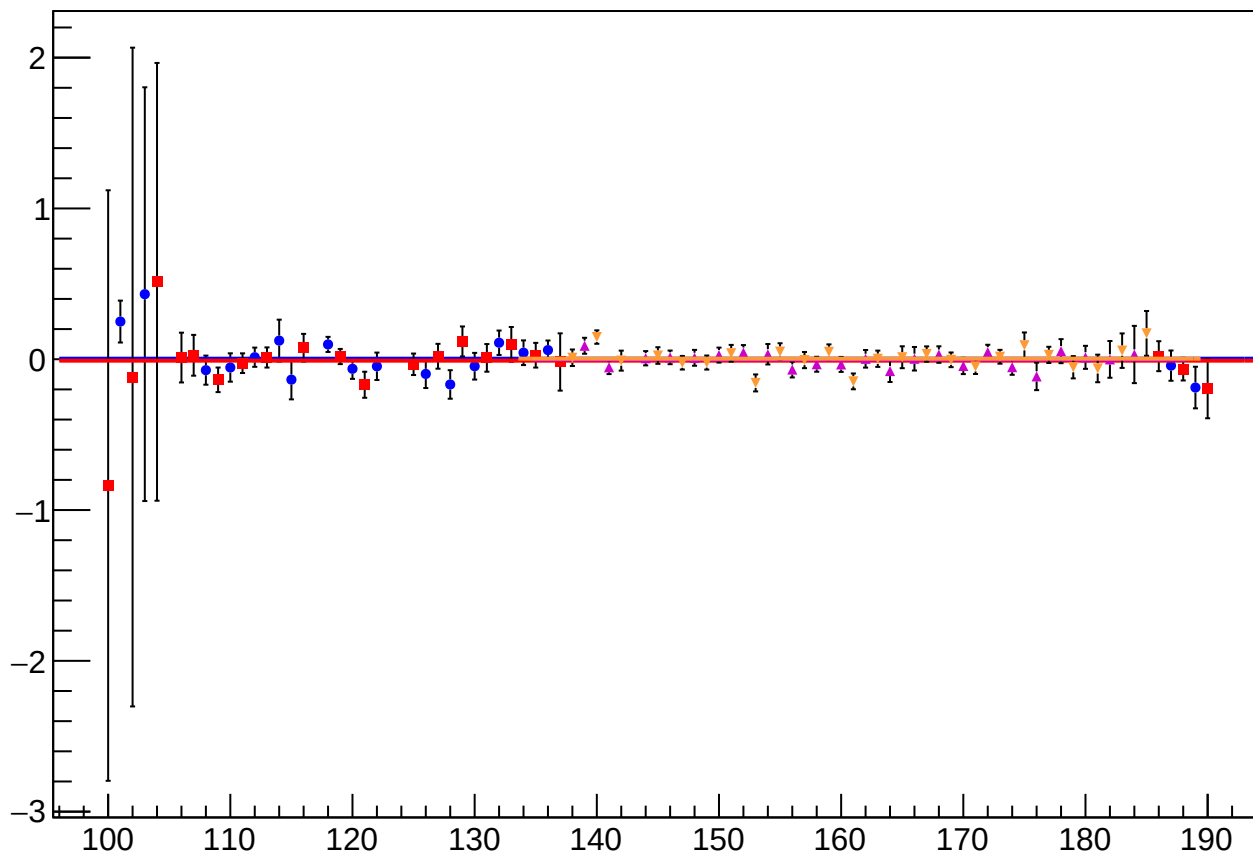
Left In: 0.000 ± 0.000 χ^2/NDF : 2578668.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 5077006.6/41

All: 0.000 ± 0.000 χ^2/NDF : 10940743.8/85

- sign 0.000 ± 0.000 χ^2/NDF : 5862624.7/43

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.020 χ^2/NDF : 20.7/17

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.009 ± 0.020 χ^2/NDF : 12.1/20

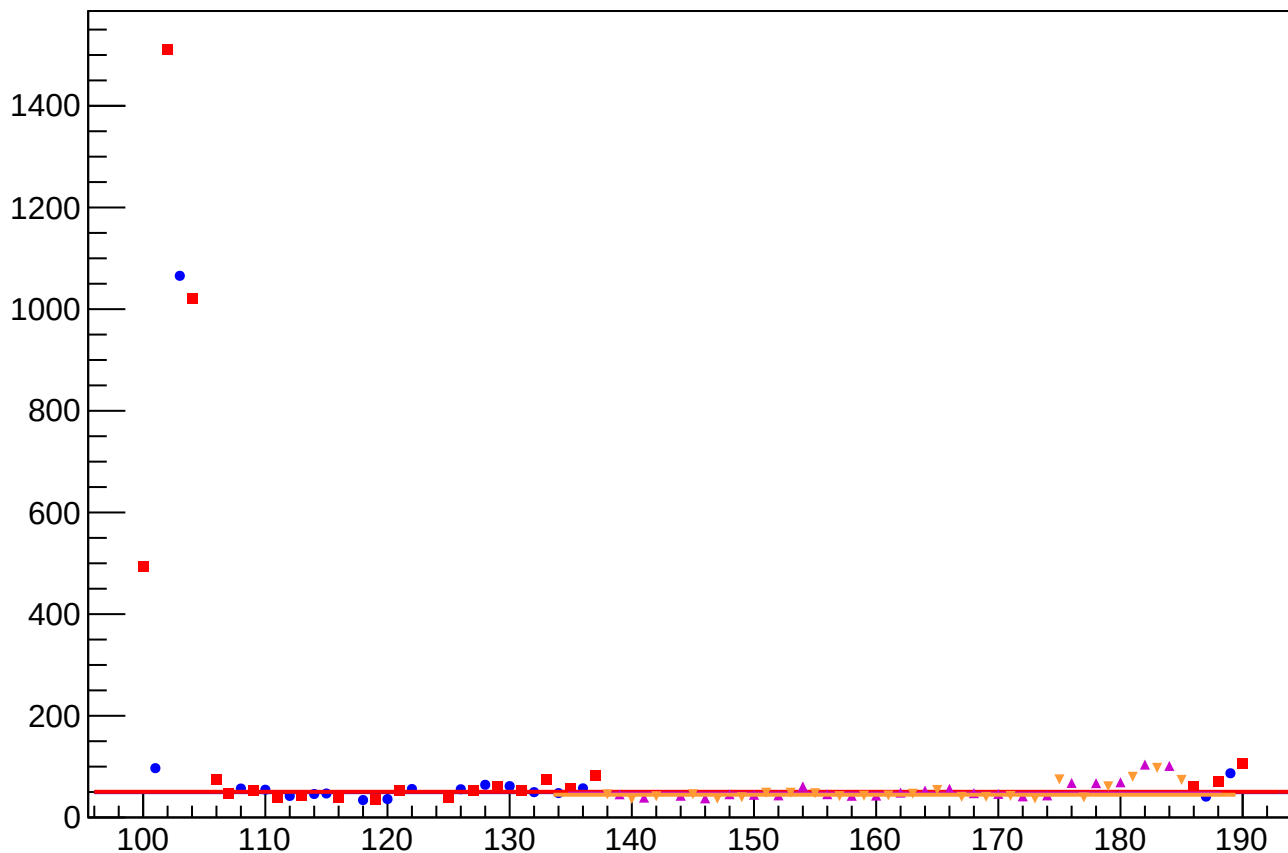
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.004 ± 0.010 χ^2/NDF : 55.7/41

All: -0.000 ± 0.007 χ^2/NDF : 82.7/85

- sign -0.004 ± 0.010 χ^2/NDF : 26.6/43

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.804 $\pm$ 0.014 χ^2 /NDF: 1938043.1/17

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.4/23

Right Out: 50.434 $\pm$ 0.014 χ^2 /NDF: 2781697.7/20

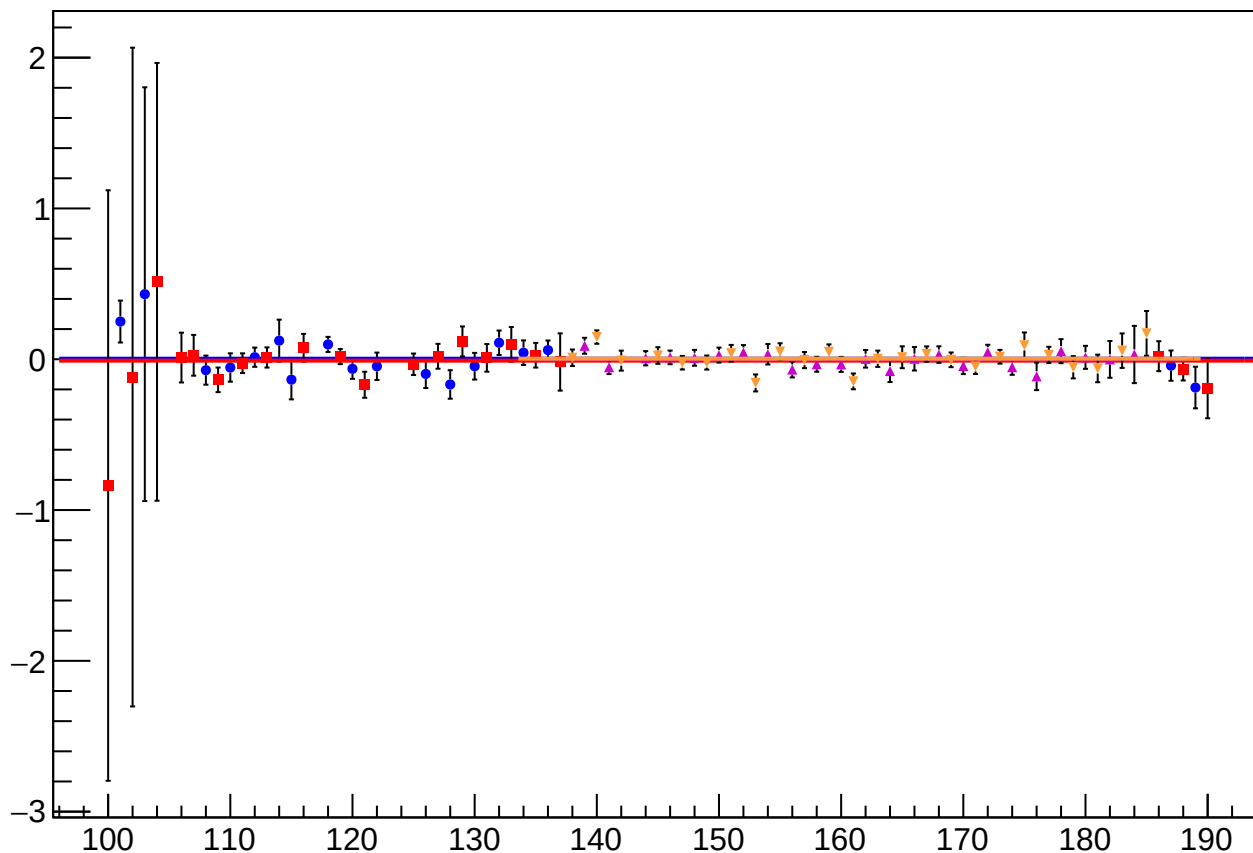
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383050.4/22

+ sign 45.967 $\pm$ 0.007 χ^2 /NDF: 3513983.8/41

All: 46.918 $\pm$ 0.005 χ^2 /NDF: 7758046.4/85

- sign 47.919 $\pm$ 0.007 χ^2 /NDF: 4207010.5/43

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.020 χ^2/NDF : 20.7/17

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.009 ± 0.020 χ^2/NDF : 12.1/20

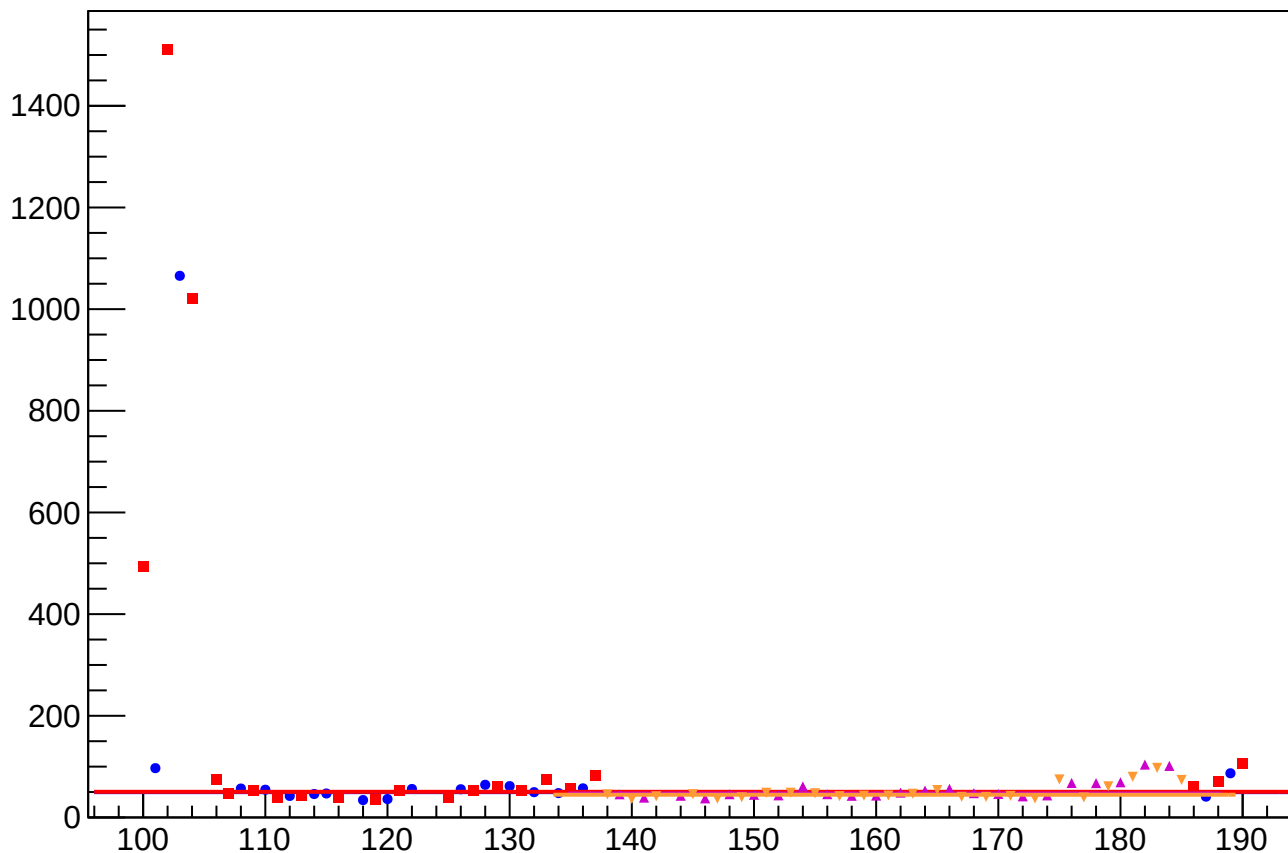
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.004 ± 0.010 χ^2/NDF : 55.7/41

All: -0.000 ± 0.007 χ^2/NDF : 82.7/85

- sign -0.004 ± 0.010 χ^2/NDF : 26.6/43

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.804 $\pm$ 0.014 χ^2 /NDF: 1938043.1/17

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.4/23

Right Out: 50.434 $\pm$ 0.014 χ^2 /NDF: 2781697.7/20

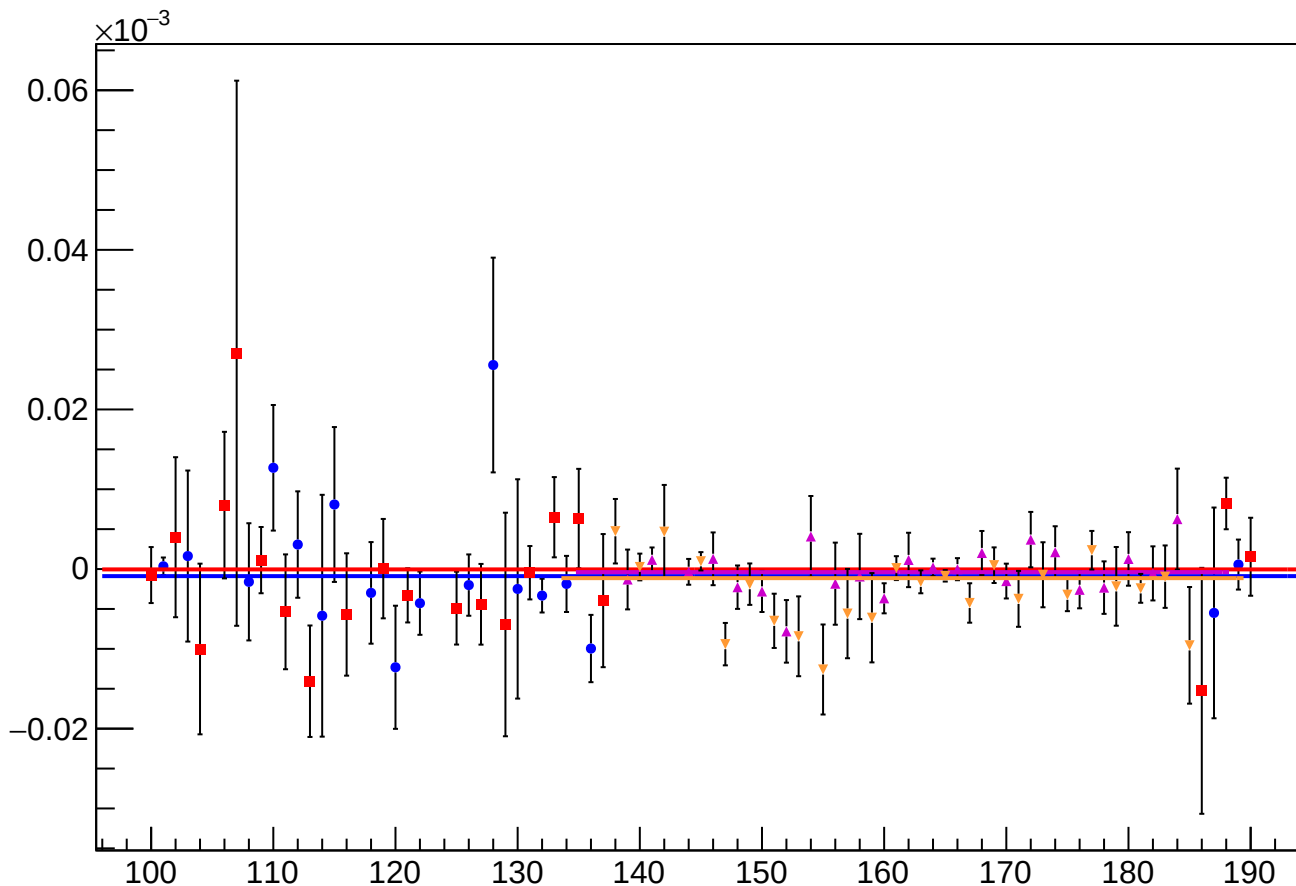
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383050.4/22

+ sign 45.967 $\pm$ 0.007 χ^2 /NDF: 3513983.8/41

All: 46.918 $\pm$ 0.005 χ^2 /NDF: 7758046.4/85

- sign 47.919 $\pm$ 0.007 χ^2 /NDF: 4207010.5/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.0/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 35.7/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.3/20

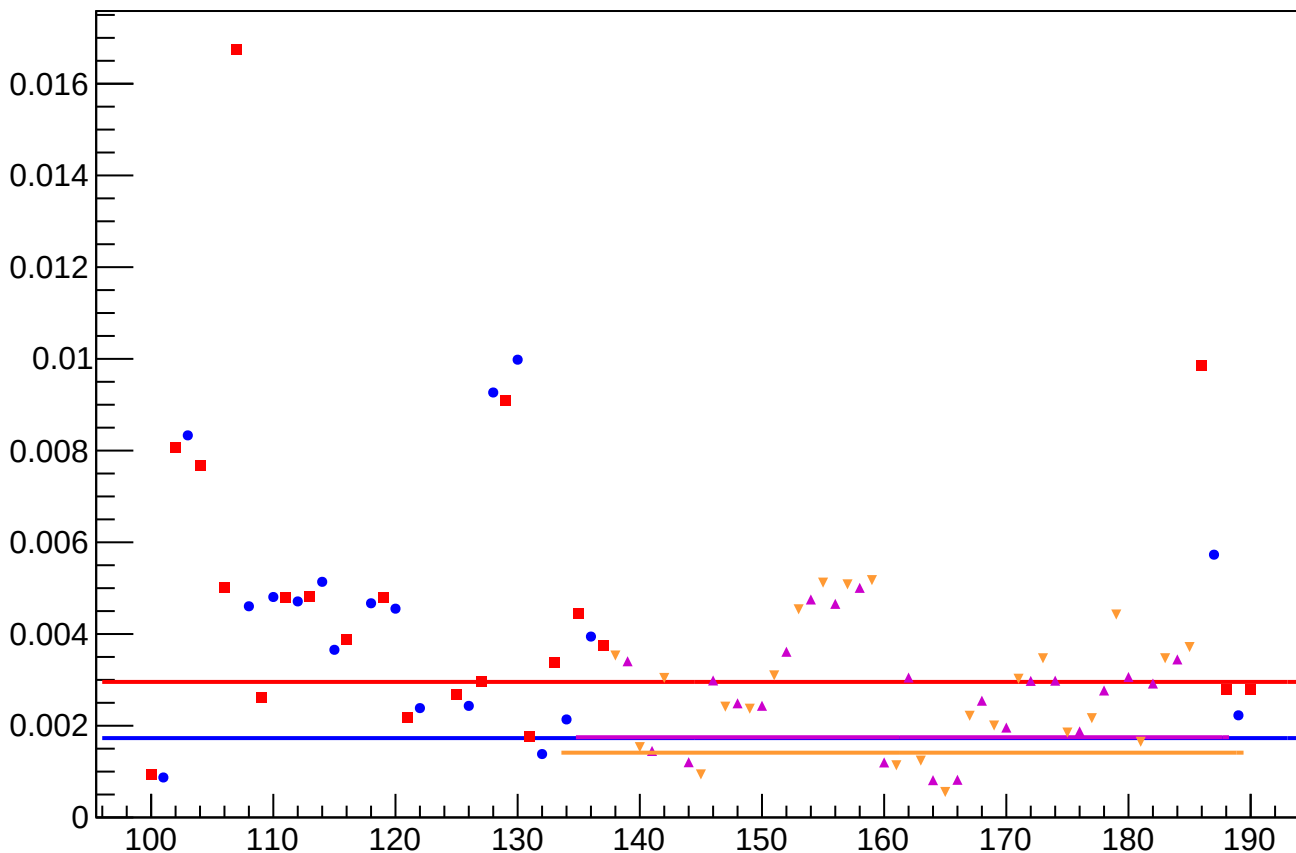
Left In: -0.000 ± 0.000 χ^2/NDF : 16.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 54.8/41

All: -0.000 ± 0.000 χ^2/NDF : 94.2/85

- sign -0.000 ± 0.000 χ^2/NDF : 37.7/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6201505.7/17

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:11586658.8/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 3787464.4/20

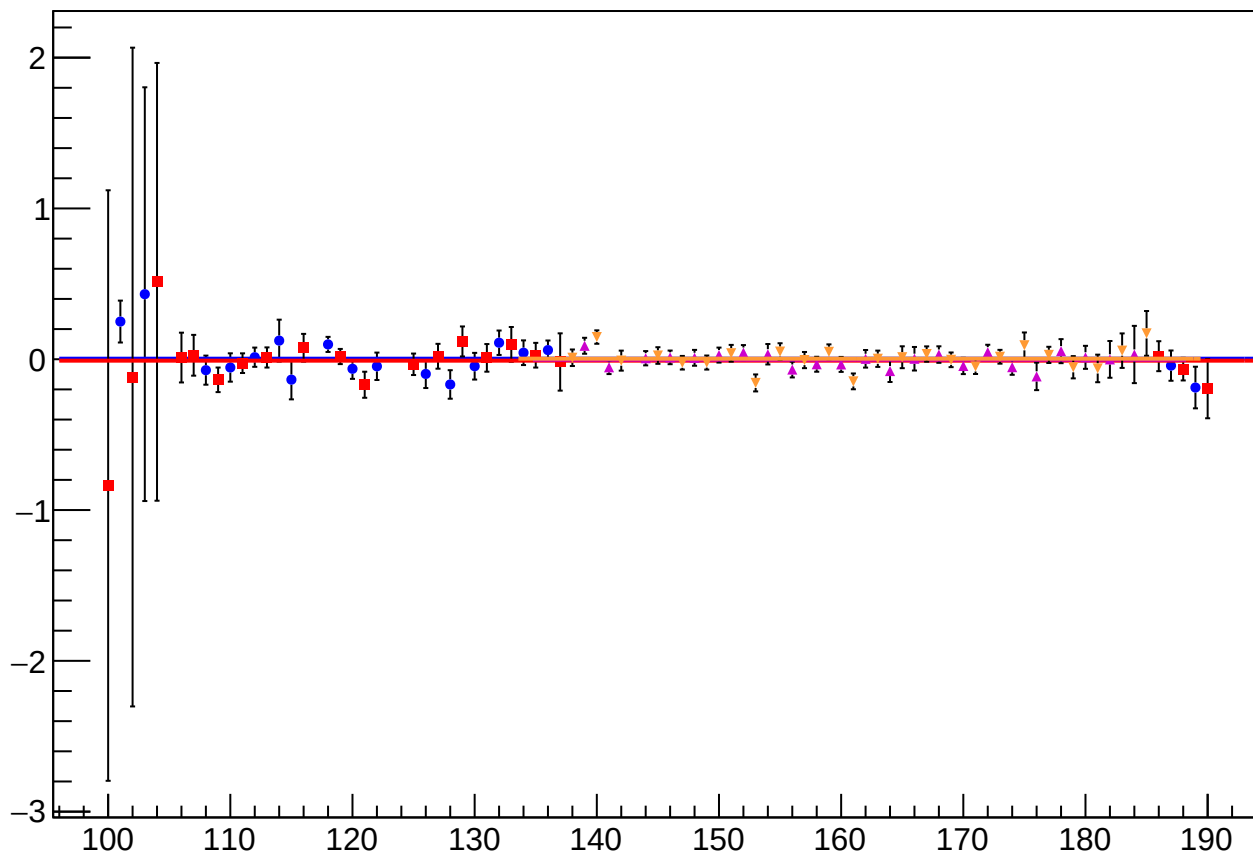
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:8238945.3/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 18037880.3/41

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 33120317.8/85

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13860245.8/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.020 χ^2/NDF : 20.7/17

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.009 ± 0.020 χ^2/NDF : 12.1/20

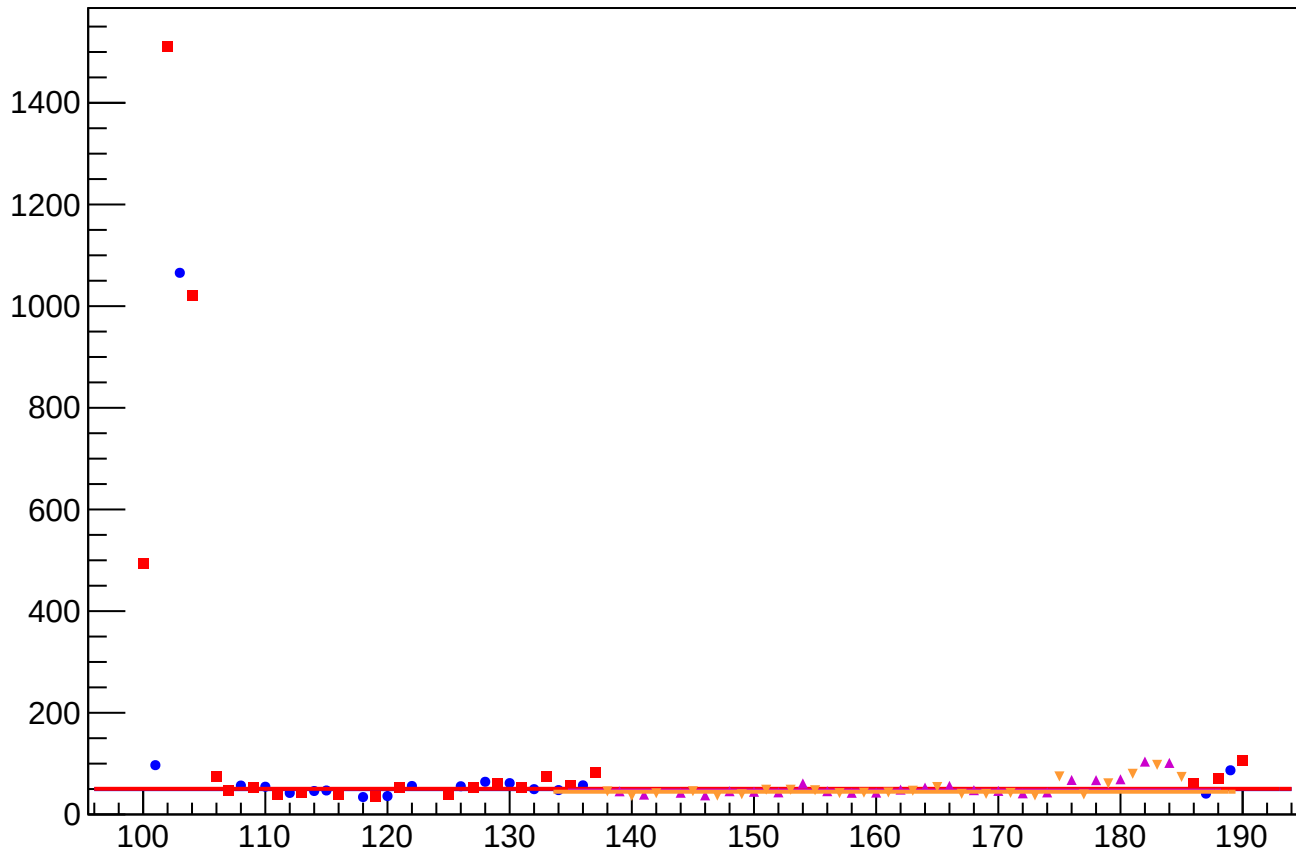
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.004 ± 0.010 χ^2/NDF : 55.7/41

All: -0.000 ± 0.007 χ^2/NDF : 82.7/85

- sign -0.004 ± 0.010 χ^2/NDF : 26.6/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.804 $\pm$ 0.014 χ^2 /NDF: 1937964.4/17

Left Out: 44.733 $\pm$ 0.008 χ^2 /NDF: 1481436.0/23

Right Out: 50.433 $\pm$ 0.014 χ^2 /NDF: 2781744.7/20

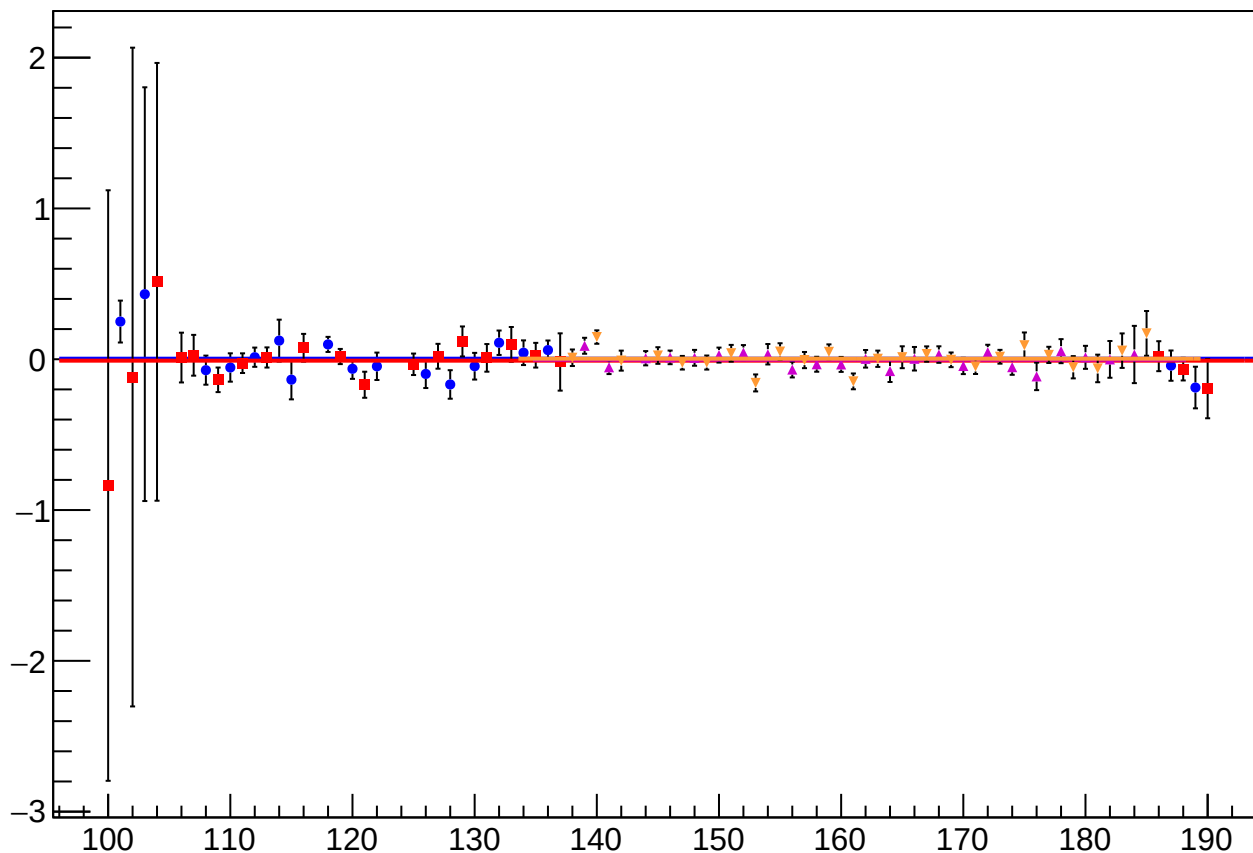
Left In: 47.033 $\pm$ 0.008 χ^2 /NDF: 1383121.1/22

+ sign 45.967 $\pm$ 0.007 χ^2 /NDF: 3513913.4/41

All: 46.918 $\pm$ 0.005 χ^2 /NDF: 7758055.8/85

- sign 47.918 $\pm$ 0.007 χ^2 /NDF: 4207113.5/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.020 χ^2/NDF : 20.7/17

Left Out: 0.004 ± 0.012 χ^2/NDF : 35.0/23

Right Out: -0.009 ± 0.020 χ^2/NDF : 12.1/20

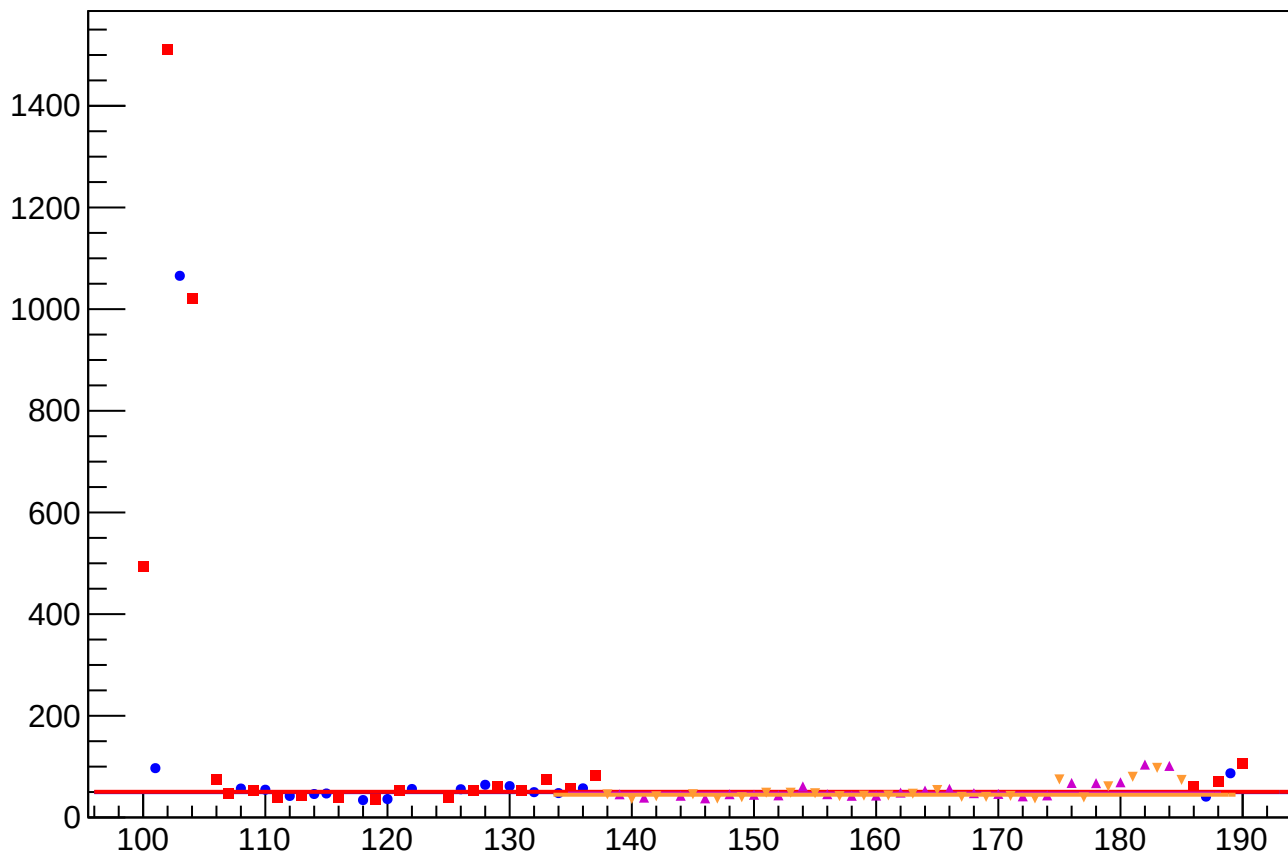
Left In: -0.003 ± 0.012 χ^2/NDF : 14.5/22

+ sign 0.004 ± 0.010 χ^2/NDF : 55.7/41

All: -0.000 ± 0.007 χ^2/NDF : 82.7/85

- sign -0.004 ± 0.010 χ^2/NDF : 26.6/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.804+/-0.014 χ^2/NDF : 1937964.4/17

Left Out: 44.733+/-0.008 χ^2/NDF : 1481436.0/23

Right Out: 50.433+/-0.014 χ^2/NDF : 2781744.7/20

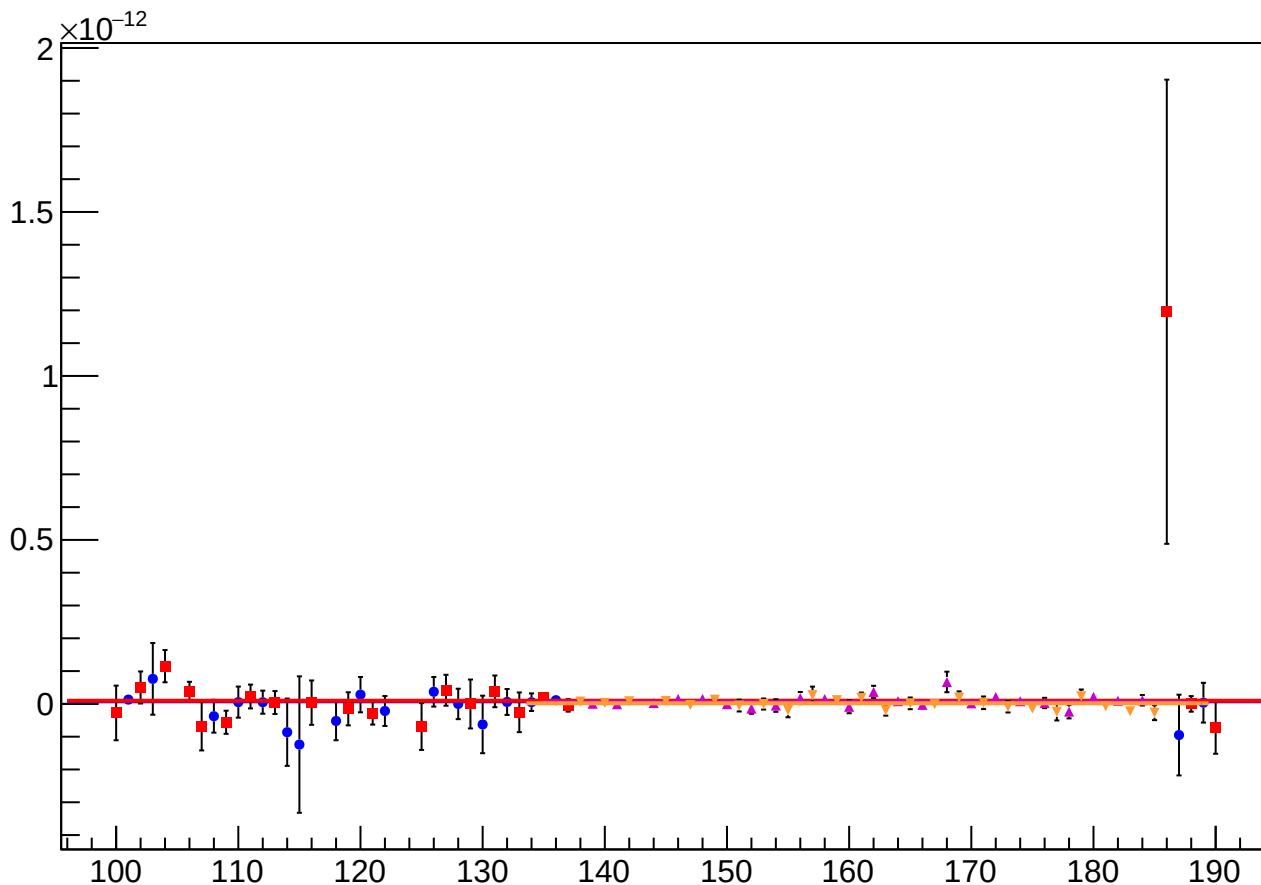
Left In: 47.033+/-0.008 χ^2/NDF : 1383121.1/22

+ sign 45.967+/-0.007 χ^2/NDF : 3513913.4/41

All: 46.918+/-0.005 χ^2/NDF : 7758055.8/85

- sign 47.918+/-0.007 χ^2/NDF : 4207113.5/43

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:20.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.3/20

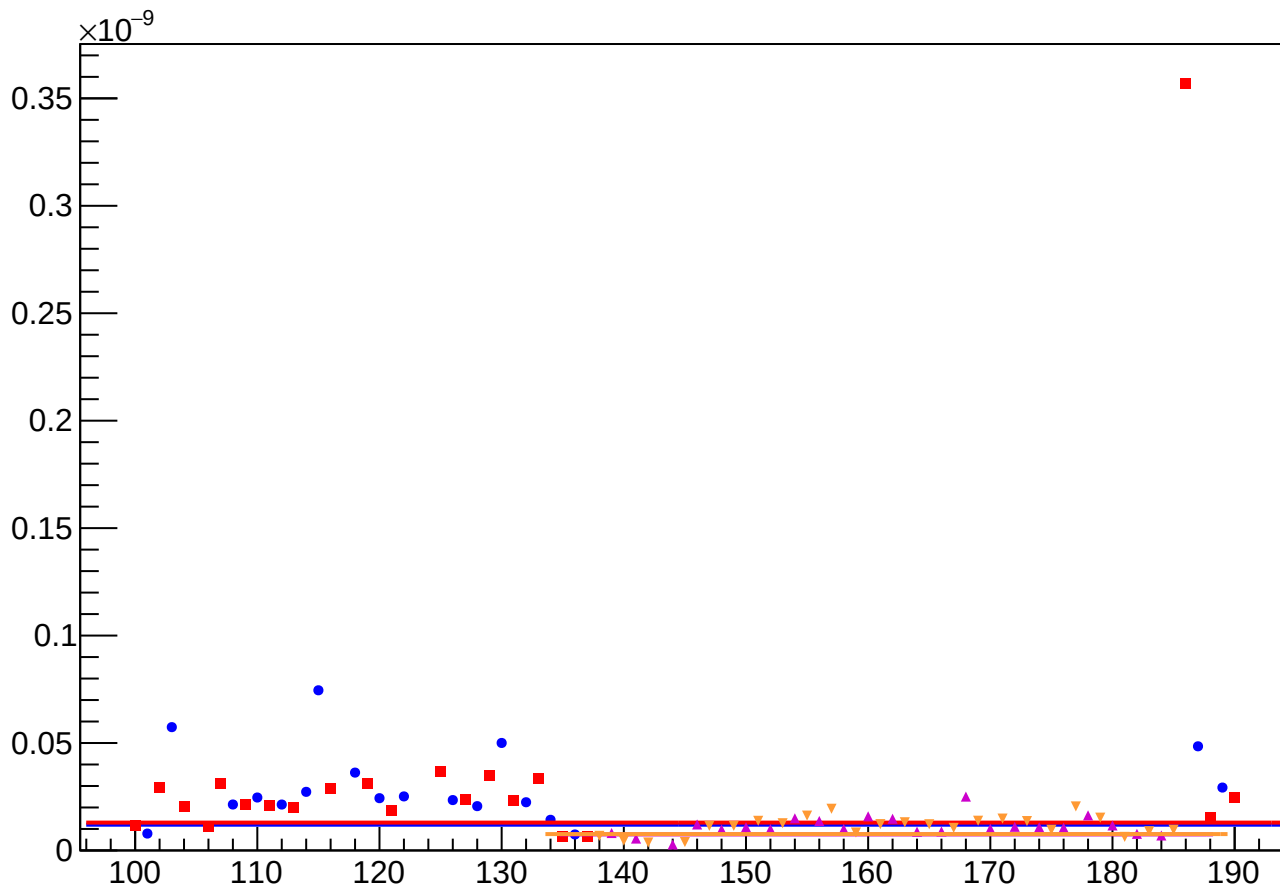
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:17.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.5/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 66.9/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.5/43

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3248154.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3468182.8/20

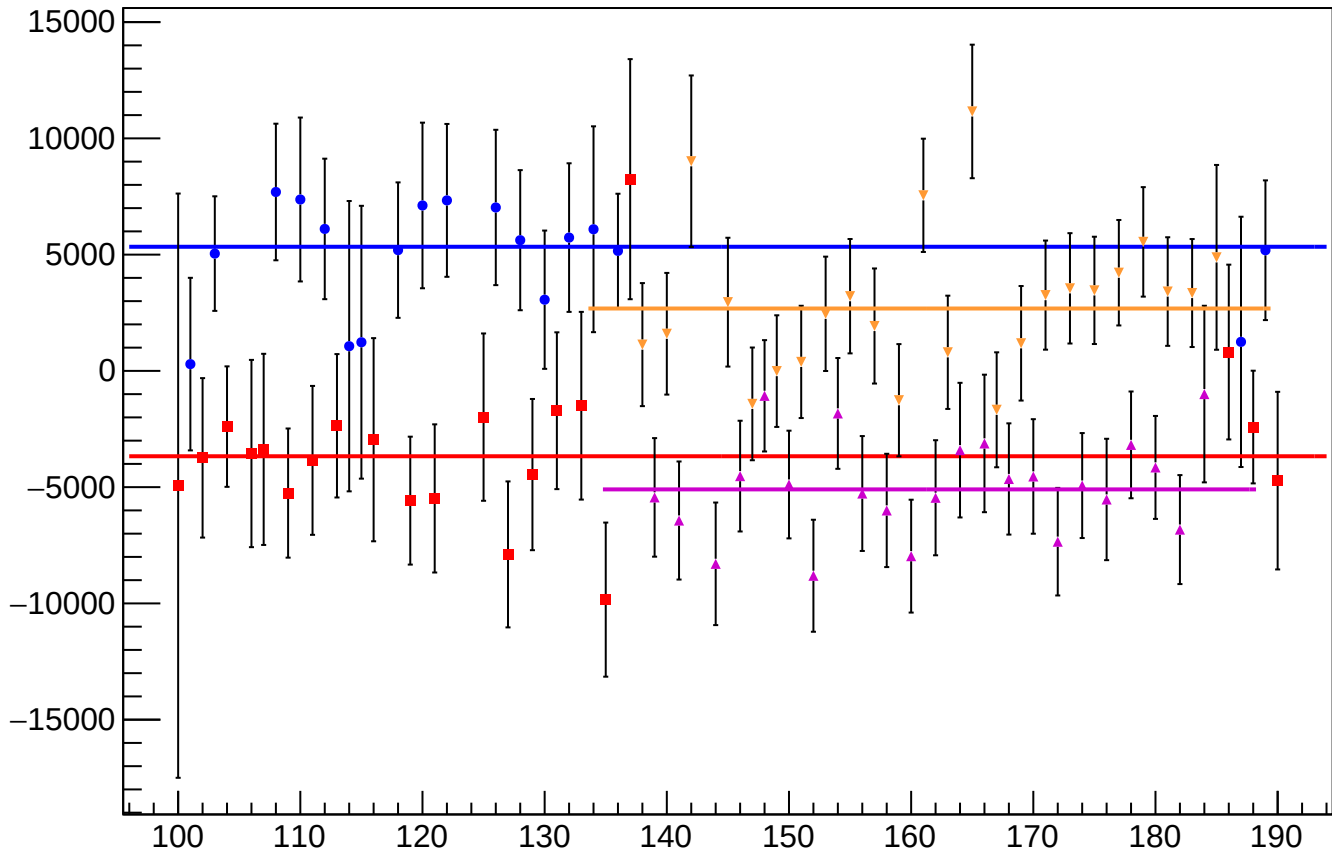
Left In: 0.000+/-0.000 χ^2/NDF : 5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 9587231.4/41

All: 0.000+/-0.000 χ^2/NDF : 20173596.2/85

- sign 0.000+/-0.000 χ^2/NDF : 10585212.5/43

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5338.200 $\pm$ 776.155 χ^2 /NDF: 6.0/17

Left Out: 2682.870 $\pm$ 512.020 χ^2 /NDF:30.8/23

Right Out: -3671.125 $\pm$ 737.713 χ^2 /NDF: 14.9/20

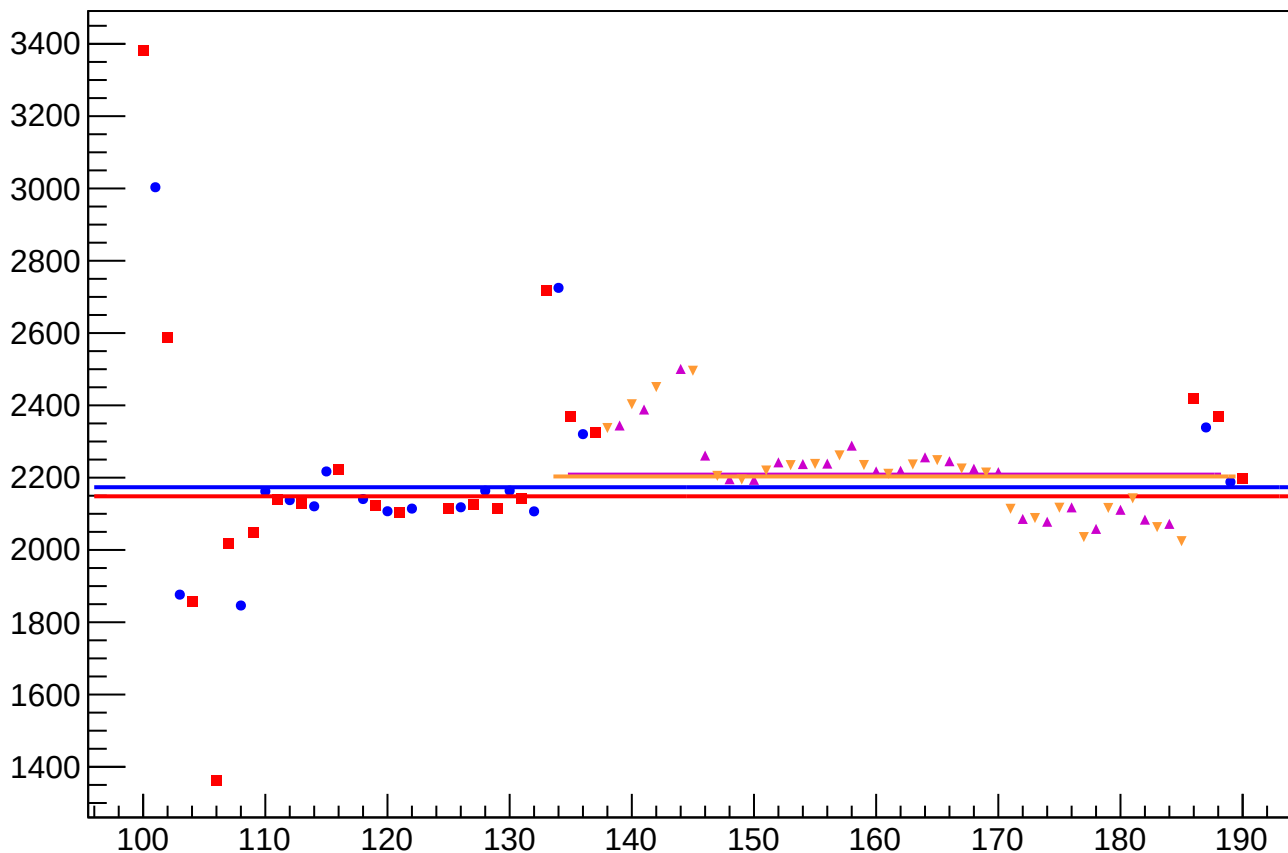
Left In: -5096.427 $\pm$ 516.232 χ^2 /NDF:14.9/22

+ sign 3488.038 $\pm$ 427.398 χ^2 /NDF: 44.9/41

All: -612.303 $\pm$ 300.634 χ^2 /NDF: 259.4/85

- sign -4627.907 $\pm$ 422.959 χ^2 /NDF: 32.3/43

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2173.545 $\pm$ 0.549 χ^2 /NDF: 197664.0/17

Left Out: 2203.297 $\pm$ 0.362 χ^2 /NDF: 88208.3/23

Right Out: 2148.395 $\pm$ 0.515 χ^2 /NDF: 299106.7/20

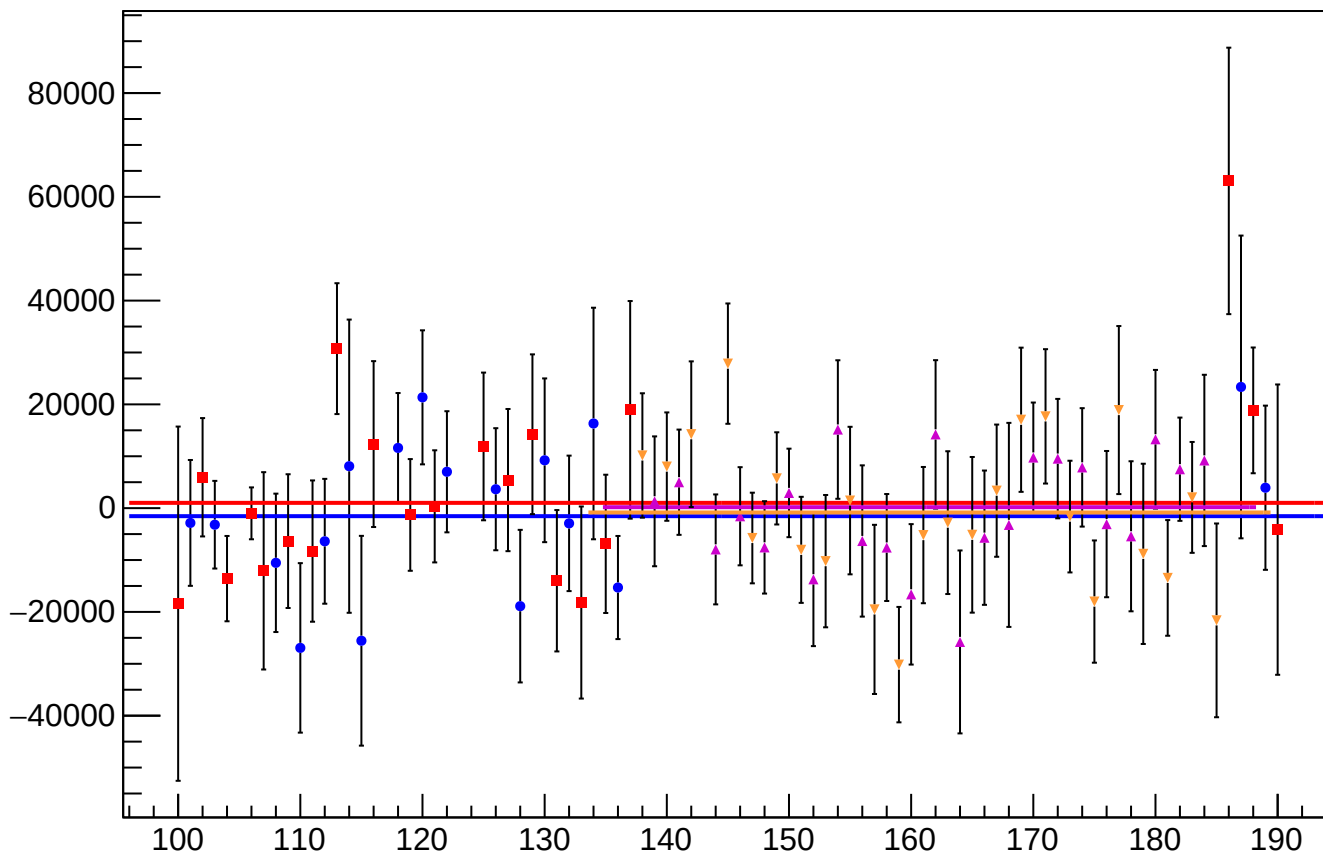
Left In: 2208.379 $\pm$ 0.365 χ^2 /NDF: 80994.3/22

+ sign 2194.275 $\pm$ 0.302 χ^2 /NDF: 287920.0/41

All: 2191.246 $\pm$ 0.212 χ^2 /NDF: 677255.0/85

- sign 2188.306 $\pm$ 0.298 χ^2 /NDF: 389137.1/43

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug



Right In: -1547.058 $\pm$ 3129.721 χ^2 /NDF: 15.3/17

Left Out: -833.485 $\pm$ 2481.469 χ^2 /NDF:29.5/23

Right Out: 1018.791 $\pm$ 2624.260 χ^2 /NDF: 24.0/20

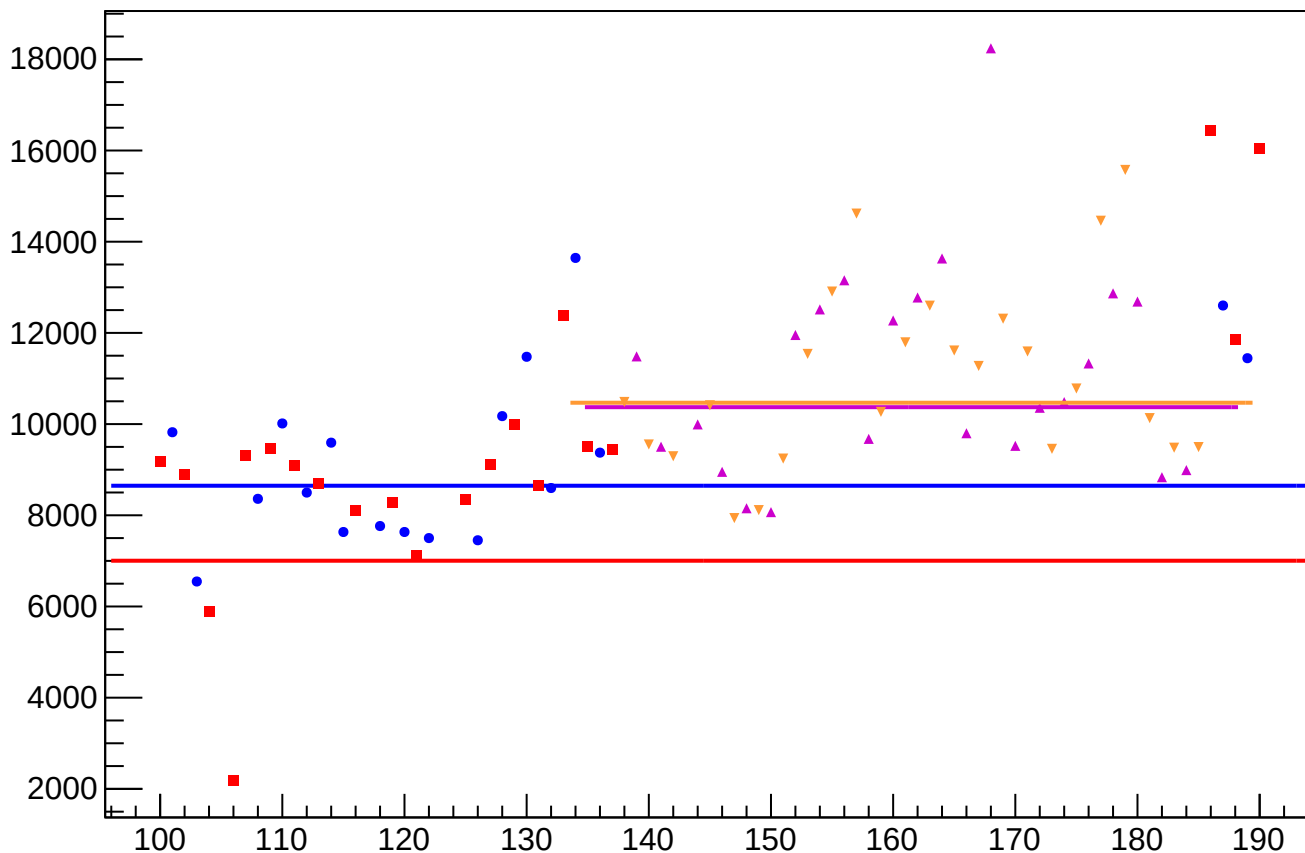
Left In: 182.426 $\pm$ 2471.223 χ^2 /NDF:13.8/22

+ sign -1108.919 $\pm$ 1944.444 χ^2 /NDF: 44.8/41

All: -201.398 $\pm$ 1320.548 χ^2 /NDF: 83.0/85

- sign 575.512 $\pm$ 1799.089 χ^2 /NDF: 37.8/43

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8648.170+/-2.213 χ^2/NDF : 527064.9/17

Left Out: 10468.677+/-1.755 χ^2/NDF : 1045257.2/23

Right Out: 7003.481+/-1.856 χ^2/NDF : 3421111.2/20

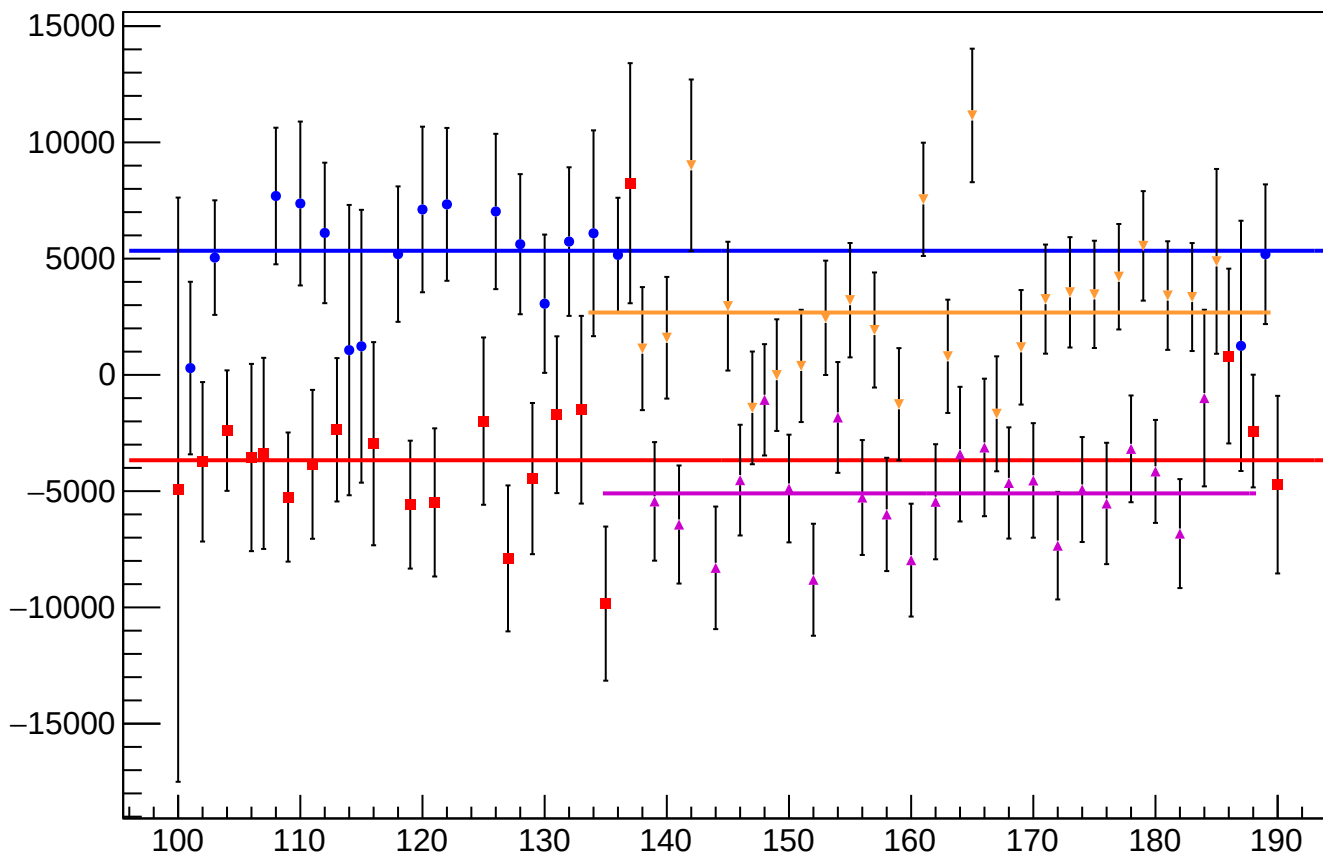
Left In: 10370.895+/-1.747 χ^2/NDF : 1203758.1/22

+ sign 9765.974+/-1.375 χ^2/NDF : 1987827.6/41

All: 9239.197+/-0.934 χ^2/NDF : 8630532.7/85

- sign 8788.233+/-1.272 χ^2/NDF : 6370253.2/43

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5338.387 $\pm$ 776.155 χ^2 /NDF: 6.0/17

Left Out: 2682.792 $\pm$ 512.020 χ^2 /NDF:30.8/23

Right Out: -3670.894 $\pm$ 737.713 χ^2 /NDF: 14.9/20

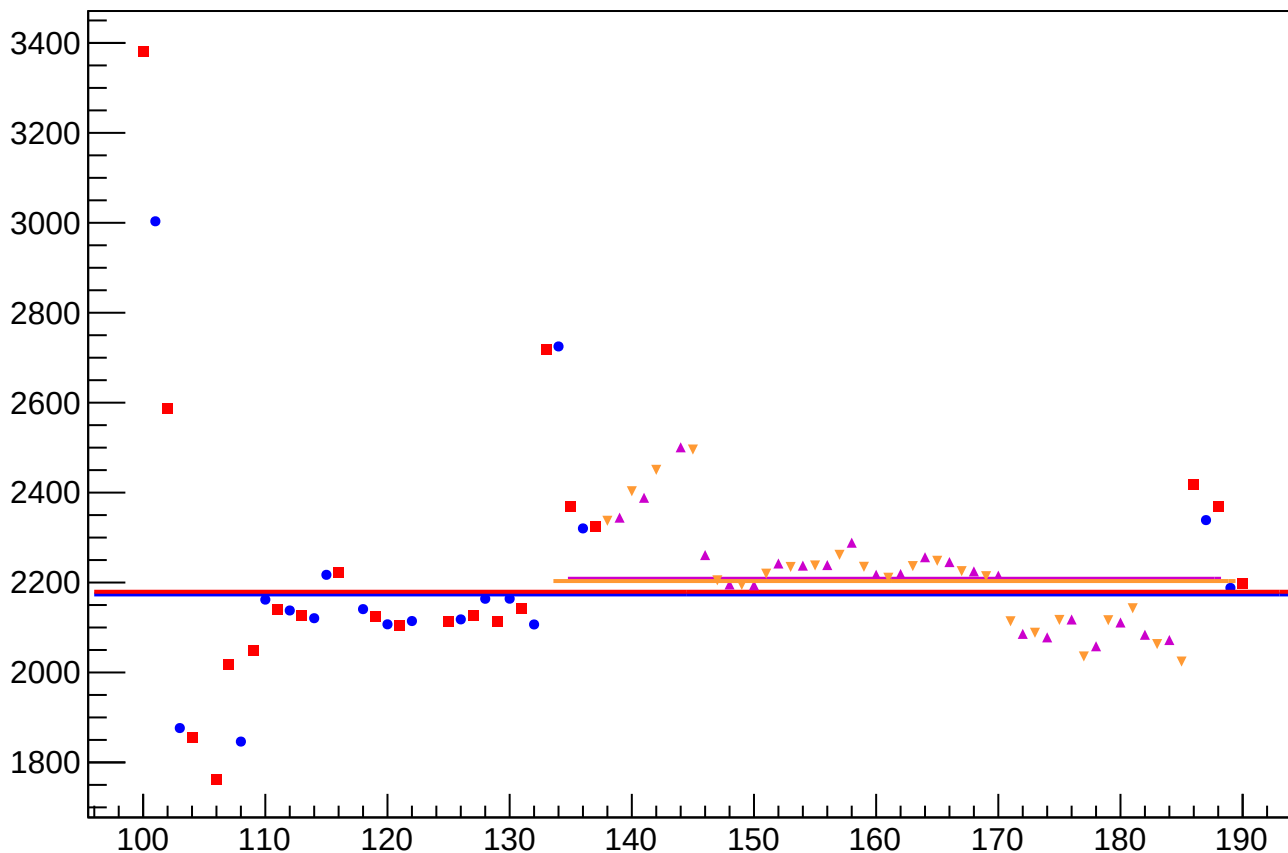
Left In: -5096.334 $\pm$ 516.232 χ^2 /NDF:14.9/22

+ sign 3488.040 $\pm$ 427.398 χ^2 /NDF: 44.9/41

All: -612.232 $\pm$ 300.634 χ^2 /NDF: 259.4/85

- sign -4627.769 $\pm$ 422.959 χ^2 /NDF: 32.3/43

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2173.545 $\pm$ 0.549 χ^2 /NDF: 197664.4/17

Left Out: 2203.297 $\pm$ 0.362 χ^2 /NDF: 88208.3/23

Right Out: 2179.521 $\pm$ 0.519 χ^2 /NDF: 181297.8/20

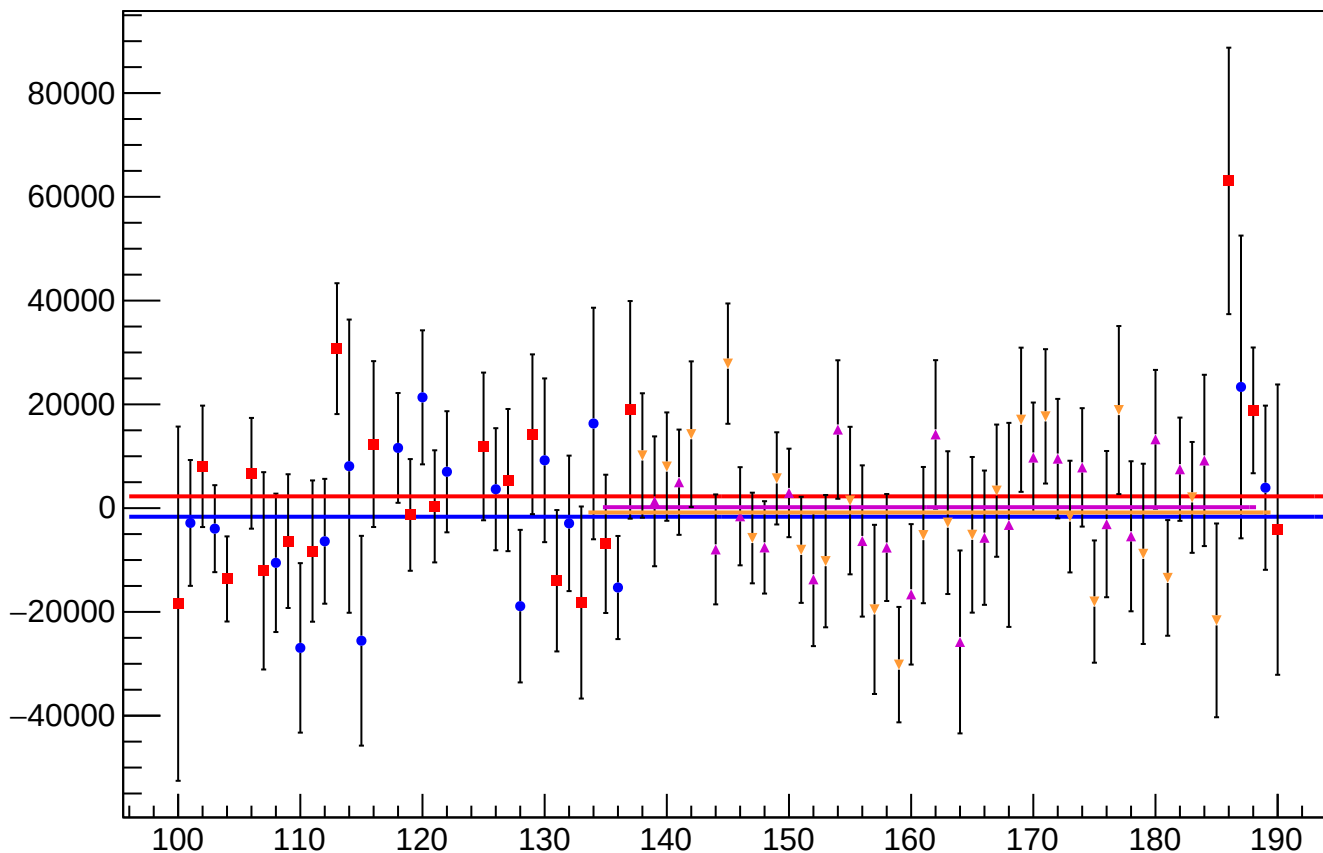
Left In: 2208.379 $\pm$ 0.365 χ^2 /NDF: 80994.3/22

+ sign 2194.275 $\pm$ 0.302 χ^2 /NDF: 287920.4/41

All: 2196.585 $\pm$ 0.212 χ^2 /NDF: 552393.9/85

- sign 2198.840 $\pm$ 0.299 χ^2 /NDF: 264358.1/43

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug



Right In: -1656.787 ± 3126.420 $\chi^2/\text{NDF}: 15.3/17$

Left Out: -833.458 ± 2481.469 $\chi^2/\text{NDF}: 29.5/23$

Right Out: 2270.846 ± 2966.119 $\chi^2/\text{NDF}: 24.2/20$

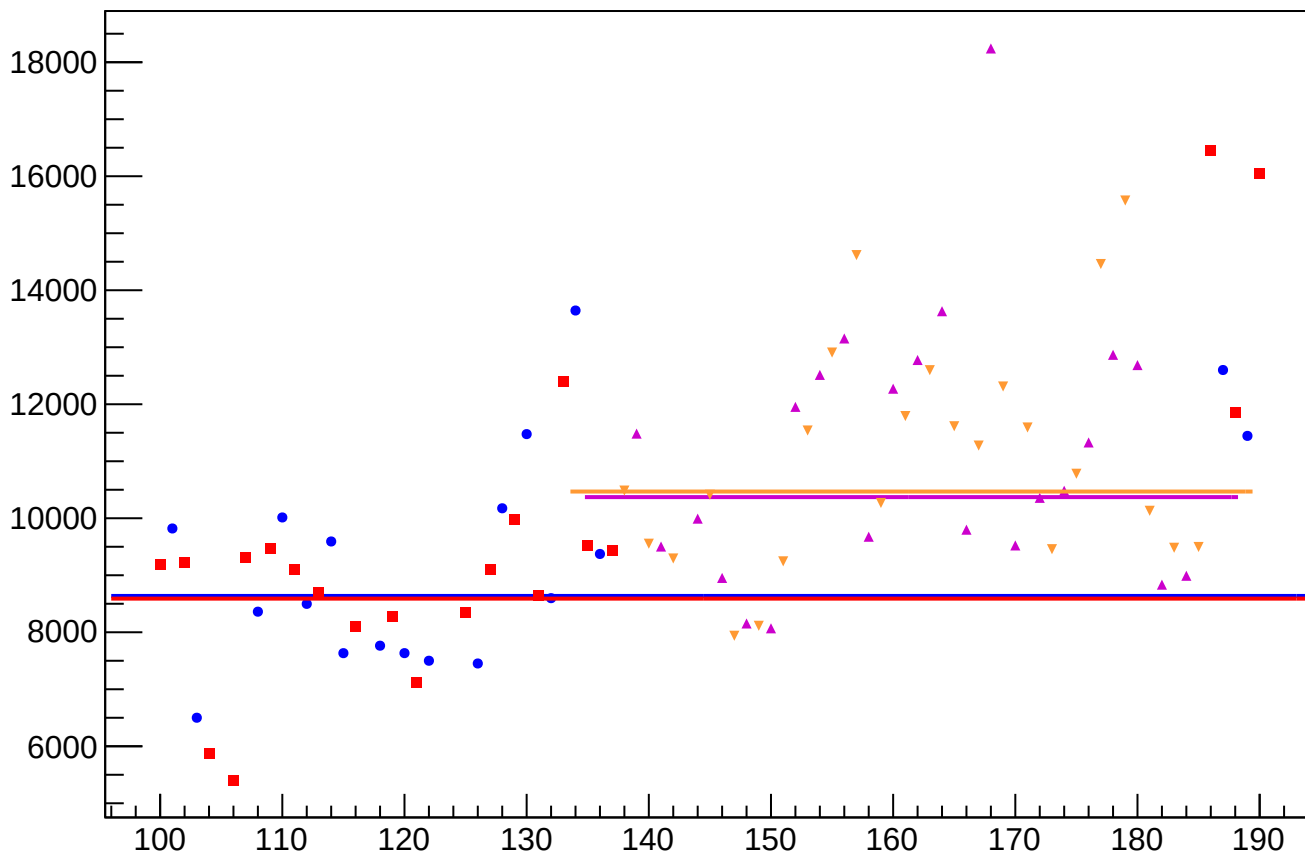
Left In: 182.360 ± 2471.221 $\chi^2/\text{NDF}: 13.8/22$

+ sign -1151.669 ± 1943.651 $\chi^2/\text{NDF}: 44.9/41$

All: -31.135 ± 1358.167 $\chi^2/\text{NDF}: 83.7/85$

- sign 1038.074 ± 1898.616 $\chi^2/\text{NDF}: 38.2/43$

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 8637.137+/-2.211 χ^2/NDF : 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF : 1045258.5/23

Right Out: 8590.167+/-2.097 χ^2/NDF : 1051791.0/20

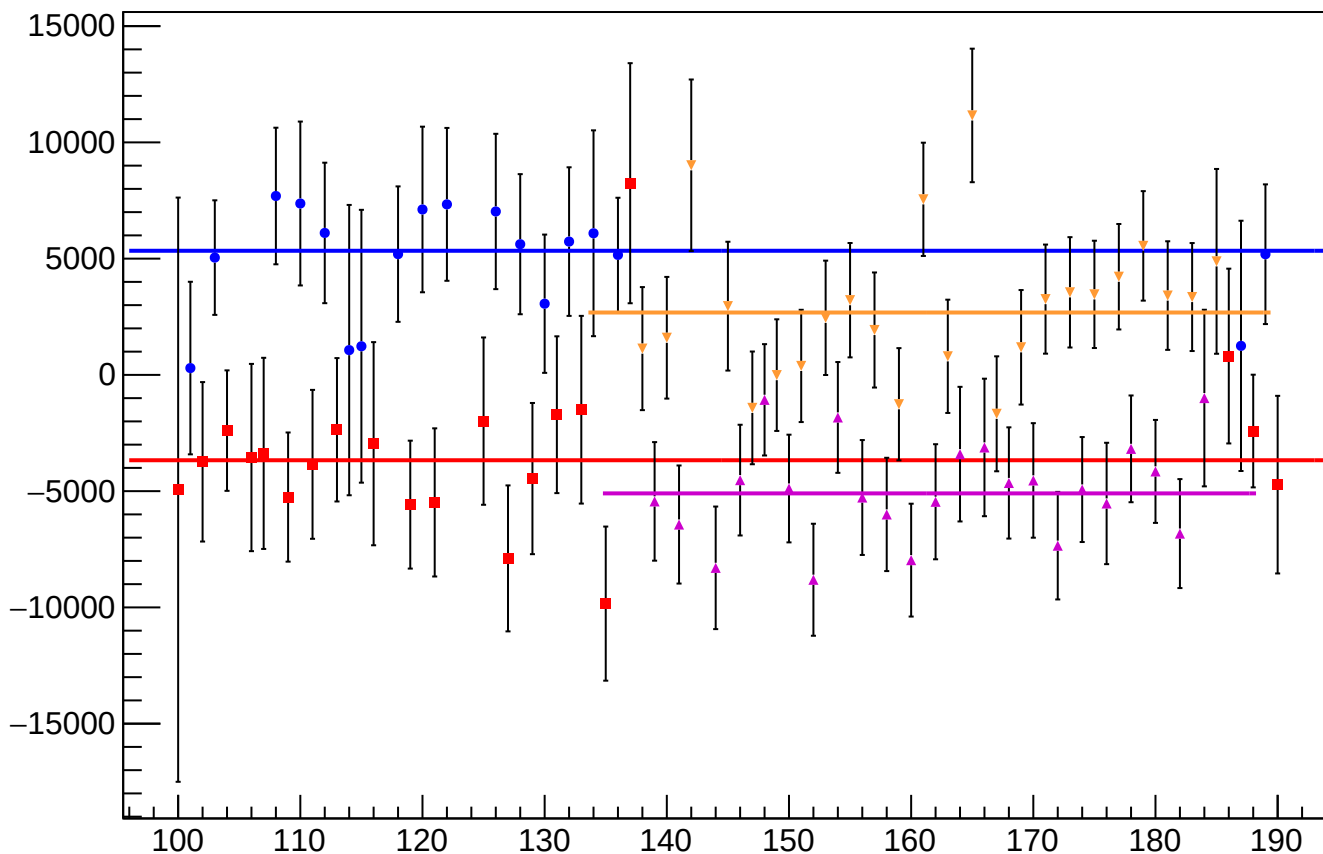
Left In: 10370.886+/-1.747 χ^2/NDF : 1203763.9/22

+ sign 9760.798+/-1.374 χ^2/NDF : 2000991.3/41

All: 9699.635+/-0.960 χ^2/NDF : 4685911.8/85

- sign 9641.273+/-1.343 χ^2/NDF : 2681050.2/43

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5338.387 $\pm$ 776.155 χ^2 /NDF: 6.0/17

Left Out: 2682.792 $\pm$ 512.020 χ^2 /NDF:30.8/23

Right Out: -3670.894 $\pm$ 737.713 χ^2 /NDF: 14.9/20

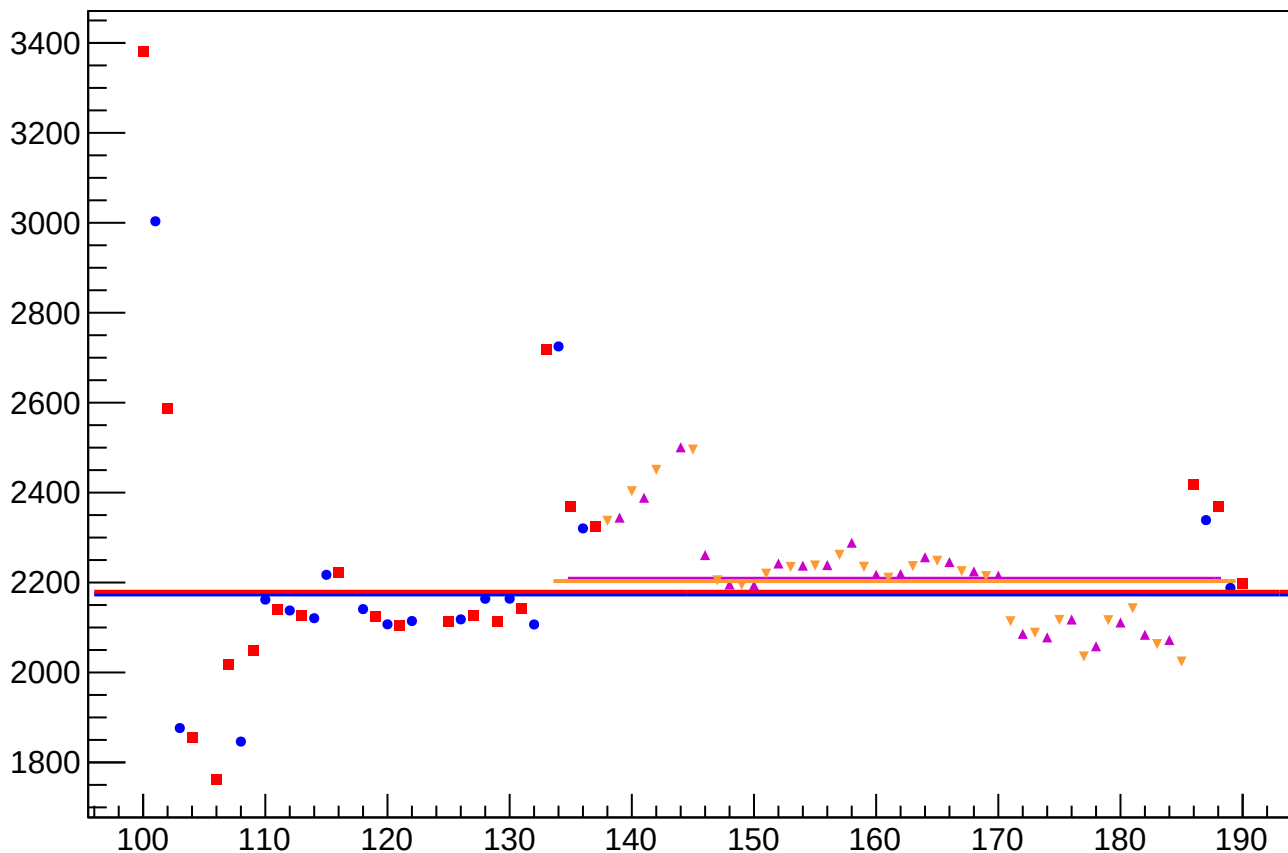
Left In: -5096.334 $\pm$ 516.232 χ^2 /NDF:14.9/22

+ sign 3488.040 $\pm$ 427.398 χ^2 /NDF: 44.9/41

All: -612.232 $\pm$ 300.634 χ^2 /NDF: 259.4/85

- sign -4627.769 $\pm$ 422.959 χ^2 /NDF: 32.3/43

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2173.545 $\pm$ 0.549 χ^2 /NDF: 197664.4/17

Left Out: 2203.297 $\pm$ 0.362 χ^2 /NDF: 88208.3/23

Right Out: 2179.521 $\pm$ 0.519 χ^2 /NDF: 181297.8/20

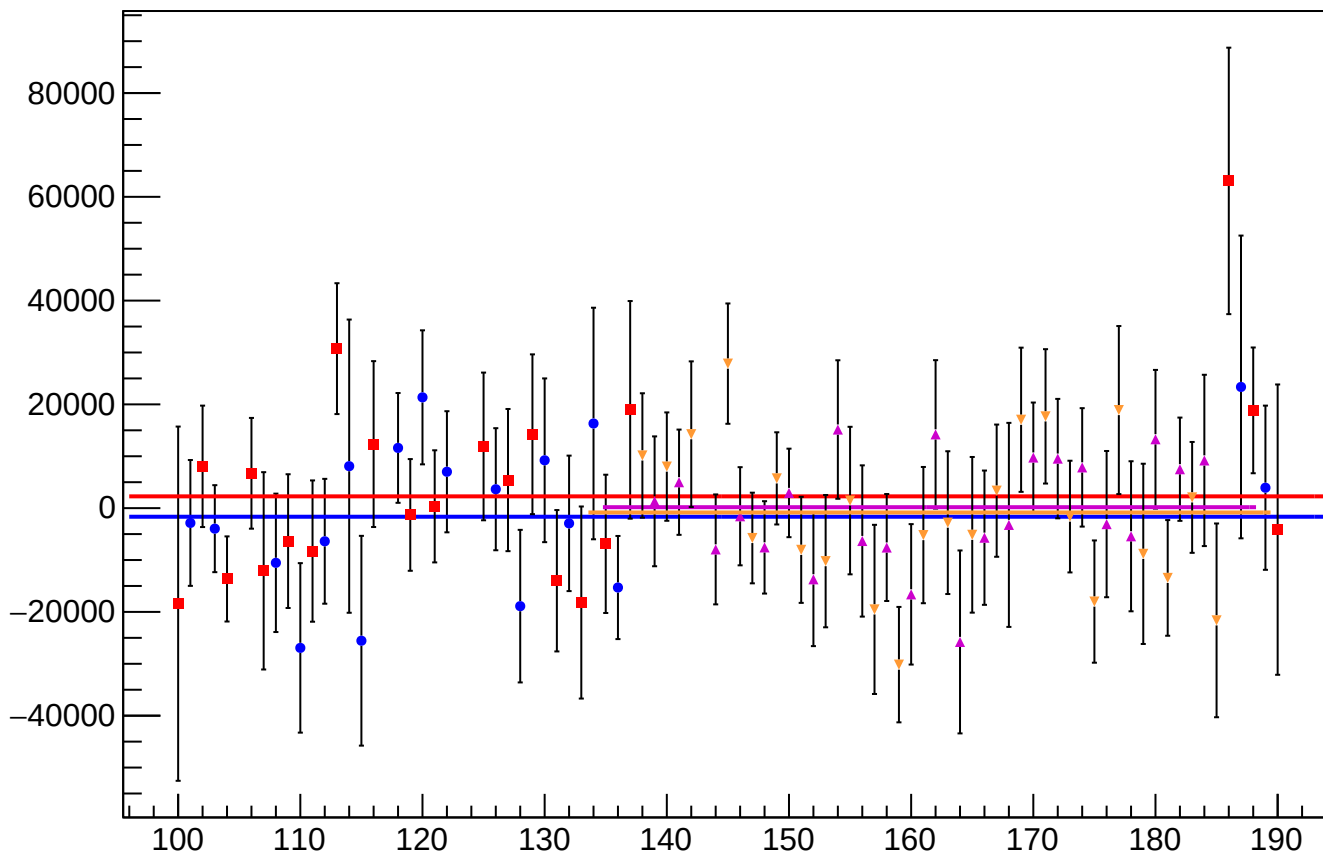
Left In: 2208.379 $\pm$ 0.365 χ^2 /NDF: 80994.3/22

+ sign 2194.275 $\pm$ 0.302 χ^2 /NDF: 287920.4/41

All: 2196.585 $\pm$ 0.212 χ^2 /NDF: 552393.9/85

- sign 2198.840 $\pm$ 0.299 χ^2 /NDF: 264358.1/43

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -1656.787 ± 3126.420 $\chi^2/\text{NDF}: 15.3/17$

Left Out: -833.458 ± 2481.469 $\chi^2/\text{NDF}: 29.5/23$

Right Out: 2270.846 ± 2966.119 $\chi^2/\text{NDF}: 24.2/20$

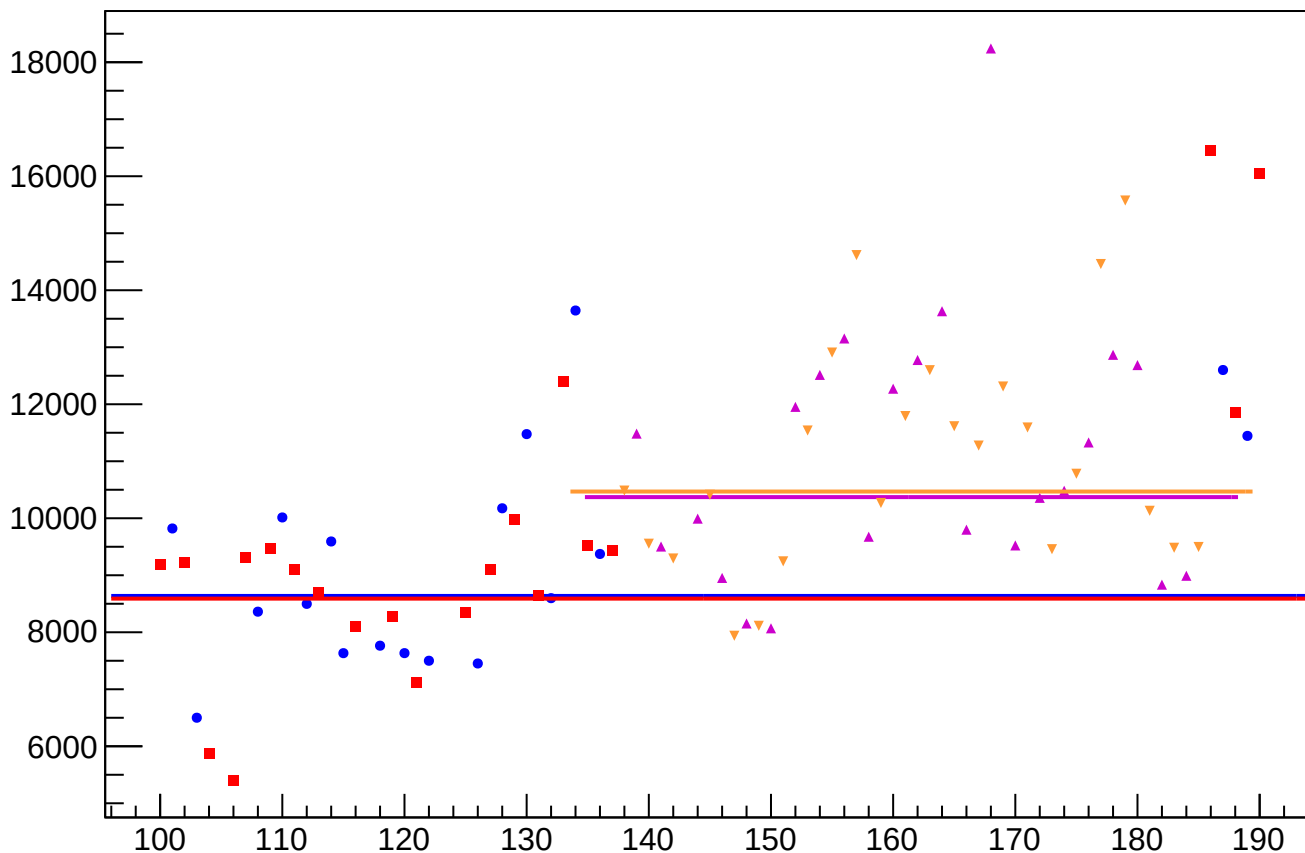
Left In: 182.360 ± 2471.221 $\chi^2/\text{NDF}: 13.8/22$

+ sign -1151.669 ± 1943.651 $\chi^2/\text{NDF}: 44.9/41$

All: -31.135 ± 1358.167 $\chi^2/\text{NDF}: 83.7/85$

- sign 1038.074 ± 1898.616 $\chi^2/\text{NDF}: 38.2/43$

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 8637.137+/-2.211 χ^2/NDF : 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF : 1045258.5/23

Right Out: 8590.167+/-2.097 χ^2/NDF : 1051791.0/20

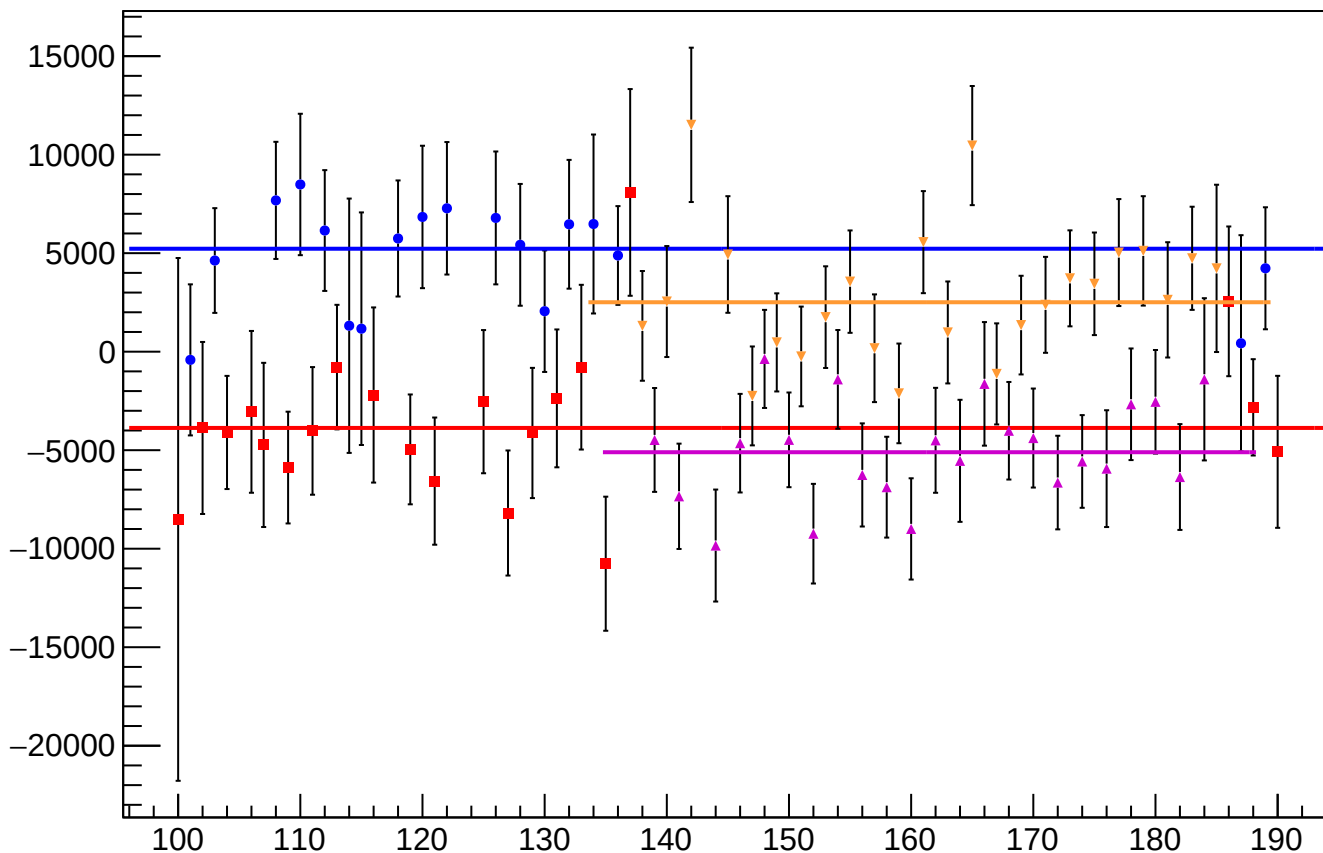
Left In: 10370.886+/-1.747 χ^2/NDF : 1203763.9/22

+ sign 9760.798+/-1.374 χ^2/NDF : 2000991.3/41

All: 9699.635+/-0.960 χ^2/NDF : 4685911.8/85

- sign 9641.273+/-1.343 χ^2/NDF : 2681050.2/43

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5225.108 $\pm$ 796.486 χ^2 /NDF: 7.6/17

Left Out: 2508.976 $\pm$ 551.601 χ^2 /NDF:29.8/23

Right Out: -3870.527 $\pm$ 761.759 χ^2 /NDF: 17.8/20

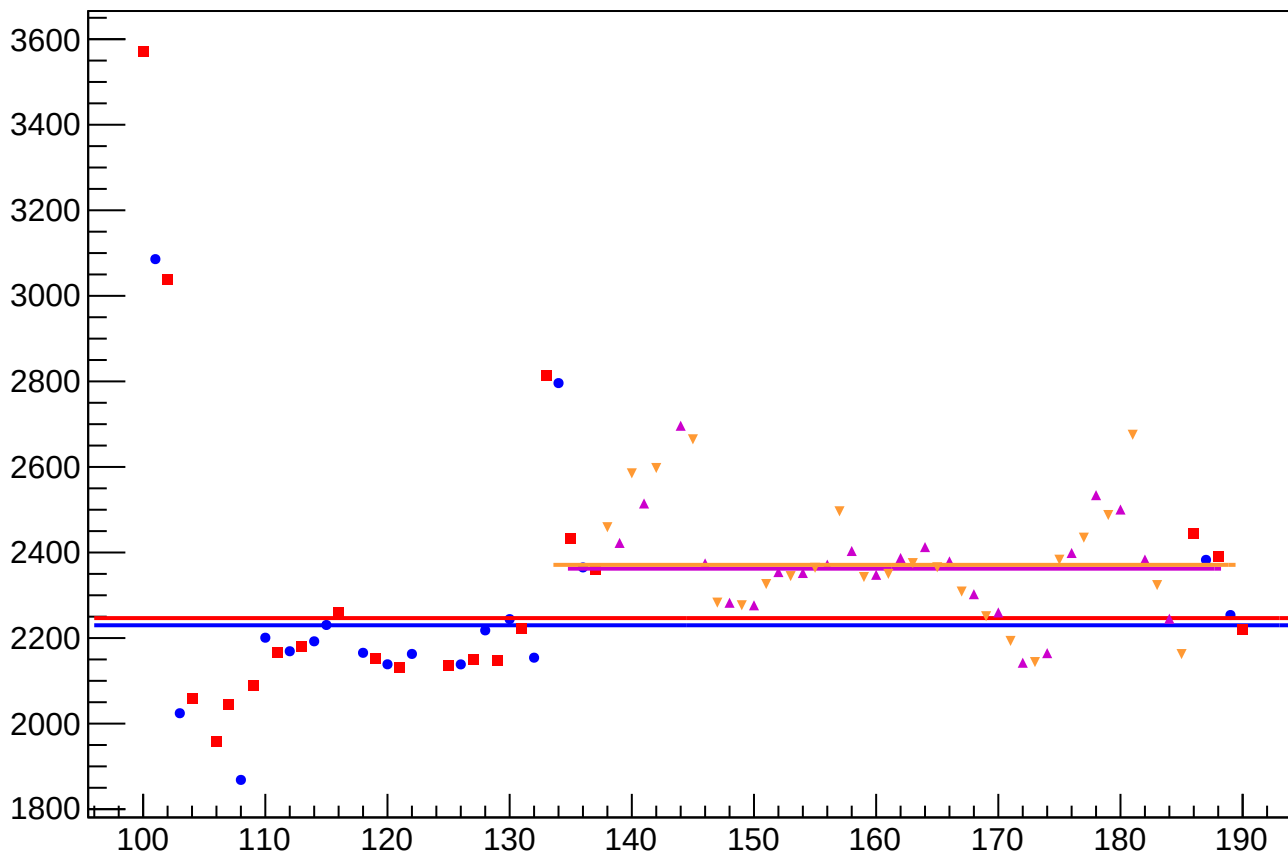
Left In: -5102.993 $\pm$ 552.583 χ^2 /NDF:19.9/22

+ sign 3389.408 $\pm$ 453.472 χ^2 /NDF: 45.3/41

All: -699.681 $\pm$ 318.445 χ^2 /NDF: 245.2/85

- sign -4678.061 $\pm$ 447.291 χ^2 /NDF: 39.4/43

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2229.882 $\pm$ 0.563 χ^2 /NDF: 186433.1/17

Left Out: 2371.137 $\pm$ 0.390 χ^2 /NDF: 116296.5/23

Right Out: 2246.672 $\pm$ 0.538 χ^2 /NDF: 184181.9/20

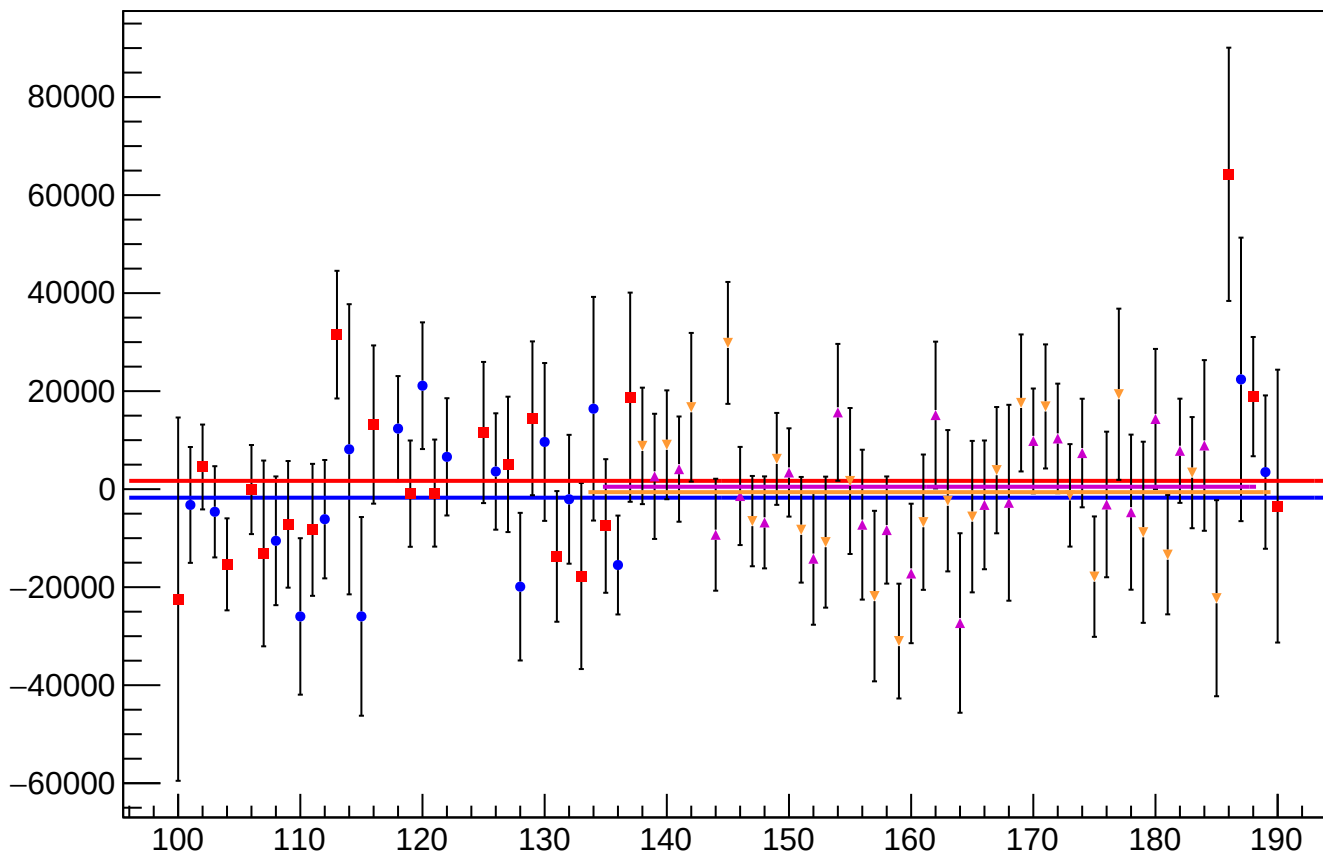
Left In: 2362.218 $\pm$ 0.391 χ^2 /NDF: 91896.7/22

+ sign 2325.349 $\pm$ 0.321 χ^2 /NDF: 345243.7/41

All: 2323.830 $\pm$ 0.225 χ^2 /NDF: 651537.0/85

- sign 2322.353 $\pm$ 0.316 χ^2 /NDF: 306249.1/43

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug



Right In: -1741.167 ± 3183.028 $\chi^2/\text{NDF}: 15.3/17$

Left Out: -608.283 ± 2589.919 $\chi^2/\text{NDF}: 28.9/23$

Right Out: 1694.476 ± 2910.127 $\chi^2/\text{NDF}: 23.9/20$

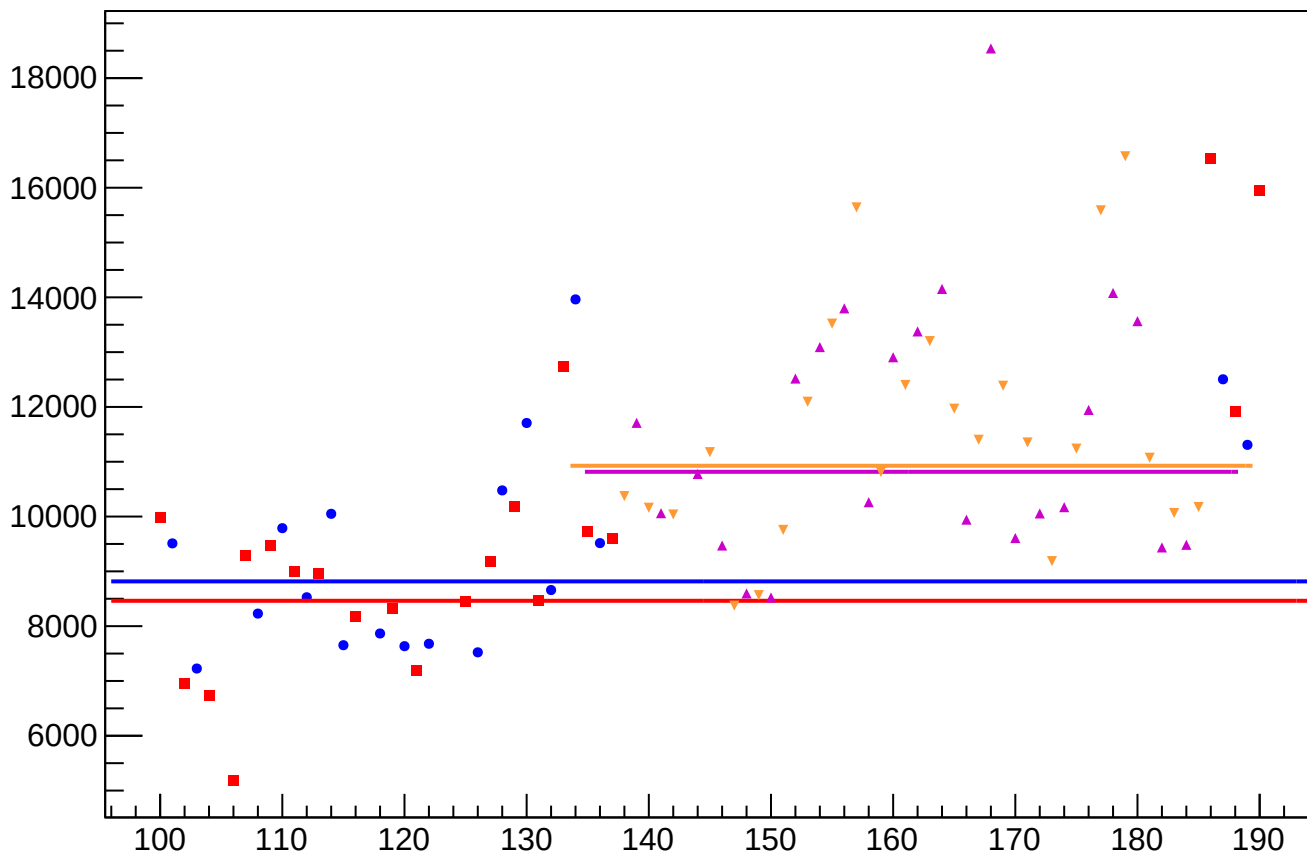
Left In: 490.044 ± 2577.213 $\chi^2/\text{NDF}: 13.5/22$

+ sign -1059.549 ± 2008.926 $\chi^2/\text{NDF}: 44.3/41$

All: 21.929 ± 1391.550 $\chi^2/\text{NDF}: 82.4/85$

- sign 1019.456 ± 1929.379 $\chi^2/\text{NDF}: 37.6/43$

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8816.870+/-2.251 χ^2/NDF : 445747.3/17

Left Out: 10926.860+/-1.831 χ^2/NDF : 1057331.1/23

Right Out: 8462.953+/-2.058 χ^2/NDF : 1097431.0/20

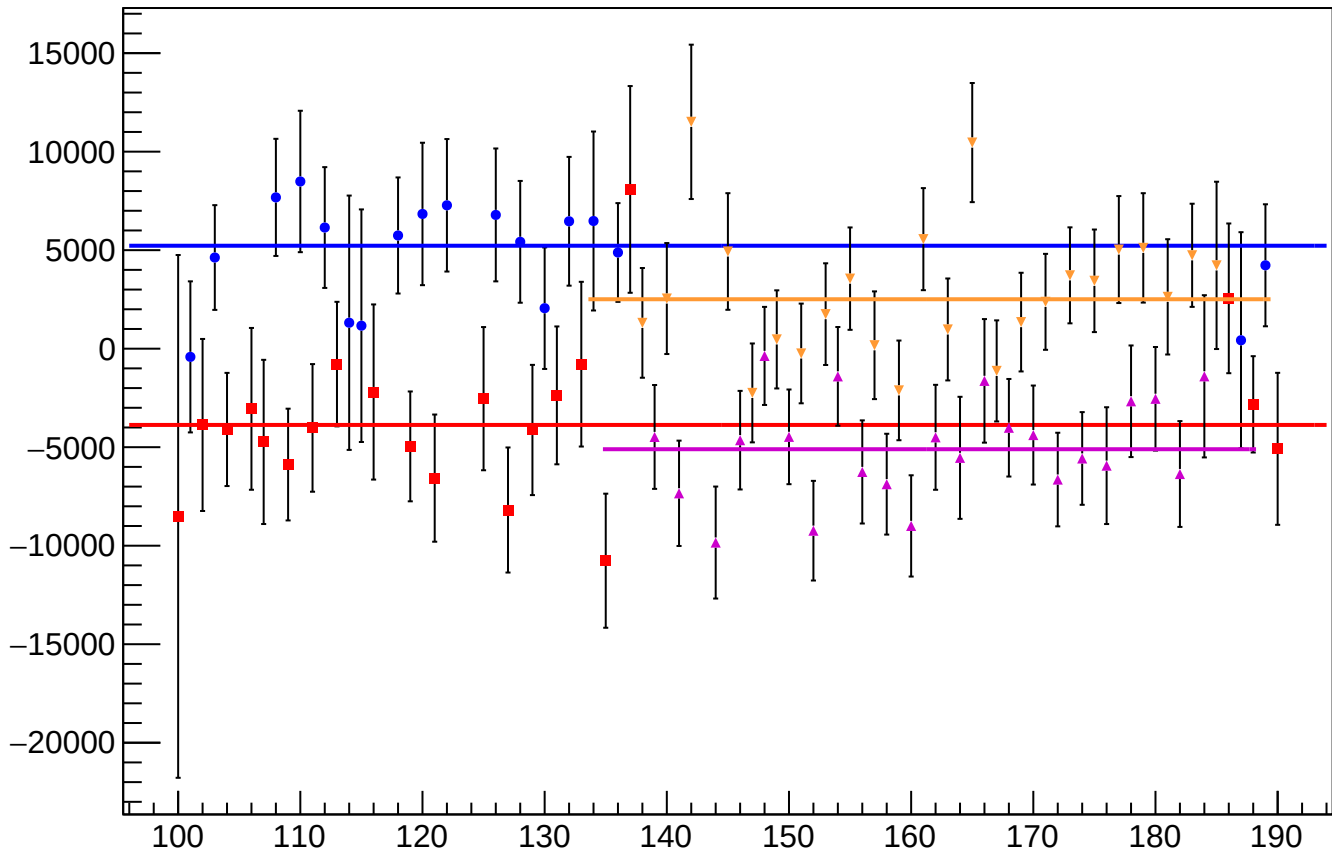
Left In: 10816.320+/-1.822 χ^2/NDF : 1196820.9/22

+ sign 10086.380+/-1.421 χ^2/NDF : 2031846.8/41

All: 9927.988+/-0.984 χ^2/NDF : 5083026.0/85

- sign 9781.891+/-1.364 χ^2/NDF : 3027278.6/43

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5225.110 $\pm$ 796.485 χ^2 /NDF: 7.6/17

Left Out: 2508.963 $\pm$ 551.602 χ^2 /NDF:29.8/23

Right Out: -3870.529 $\pm$ 761.759 χ^2 /NDF: 17.8/20

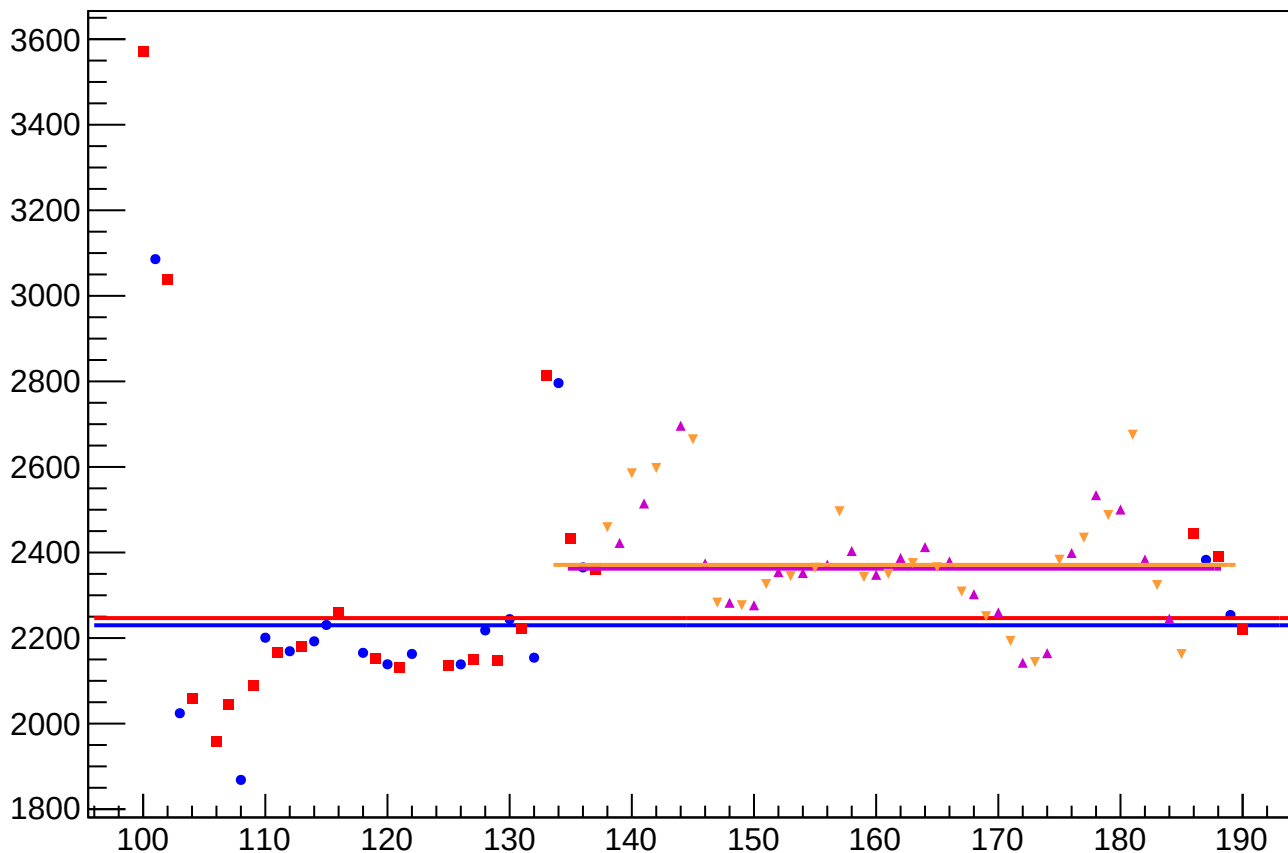
Left In: -5102.996 $\pm$ 552.584 χ^2 /NDF:19.9/22

+ sign 3389.402 $\pm$ 453.472 χ^2 /NDF: 45.3/41

All: -699.685 $\pm$ 318.446 χ^2 /NDF: 245.2/85

- sign -4678.062 $\pm$ 447.291 χ^2 /NDF: 39.4/43

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2229.881+/-0.563 χ^2/NDF : 186433.3/17

Left Out: 2371.140+/-0.390 χ^2/NDF : 116300.8/23

Right Out: 2246.671+/-0.538 χ^2/NDF : 184181.8/20

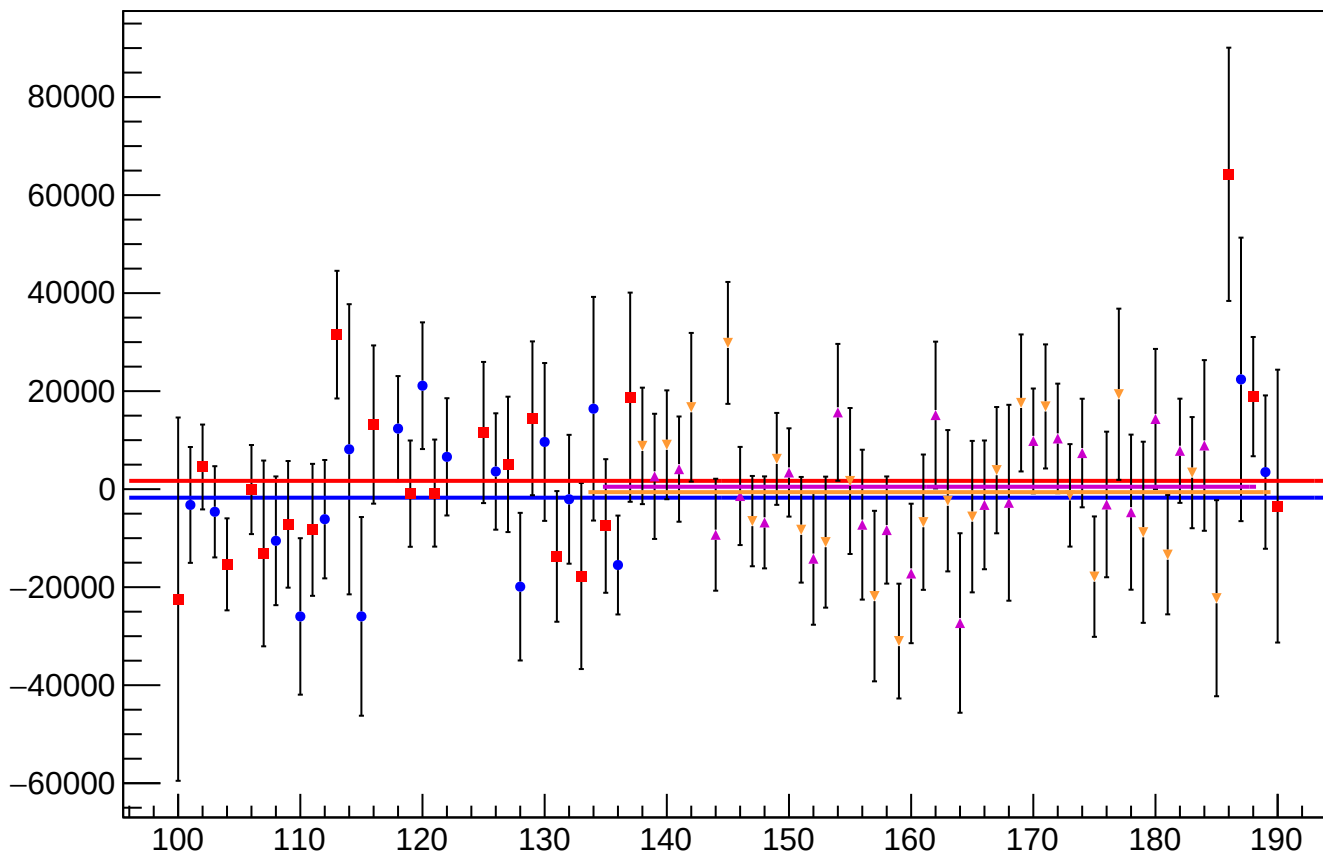
Left In: 2362.221+/-0.391 χ^2/NDF : 91901.3/22

+ sign 2325.351+/-0.321 χ^2/NDF : 345250.7/41

All: 2323.832+/-0.225 χ^2/NDF : 651550.6/85

- sign 2322.355+/-0.316 χ^2/NDF : 306255.7/43

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1741.149 ± 3183.021 $\chi^2/\text{NDF}: 15.3/17$

Left Out: -608.291 ± 2589.924 $\chi^2/\text{NDF}: 28.9/23$

Right Out: 1694.463 ± 2910.121 $\chi^2/\text{NDF}: 23.9/20$

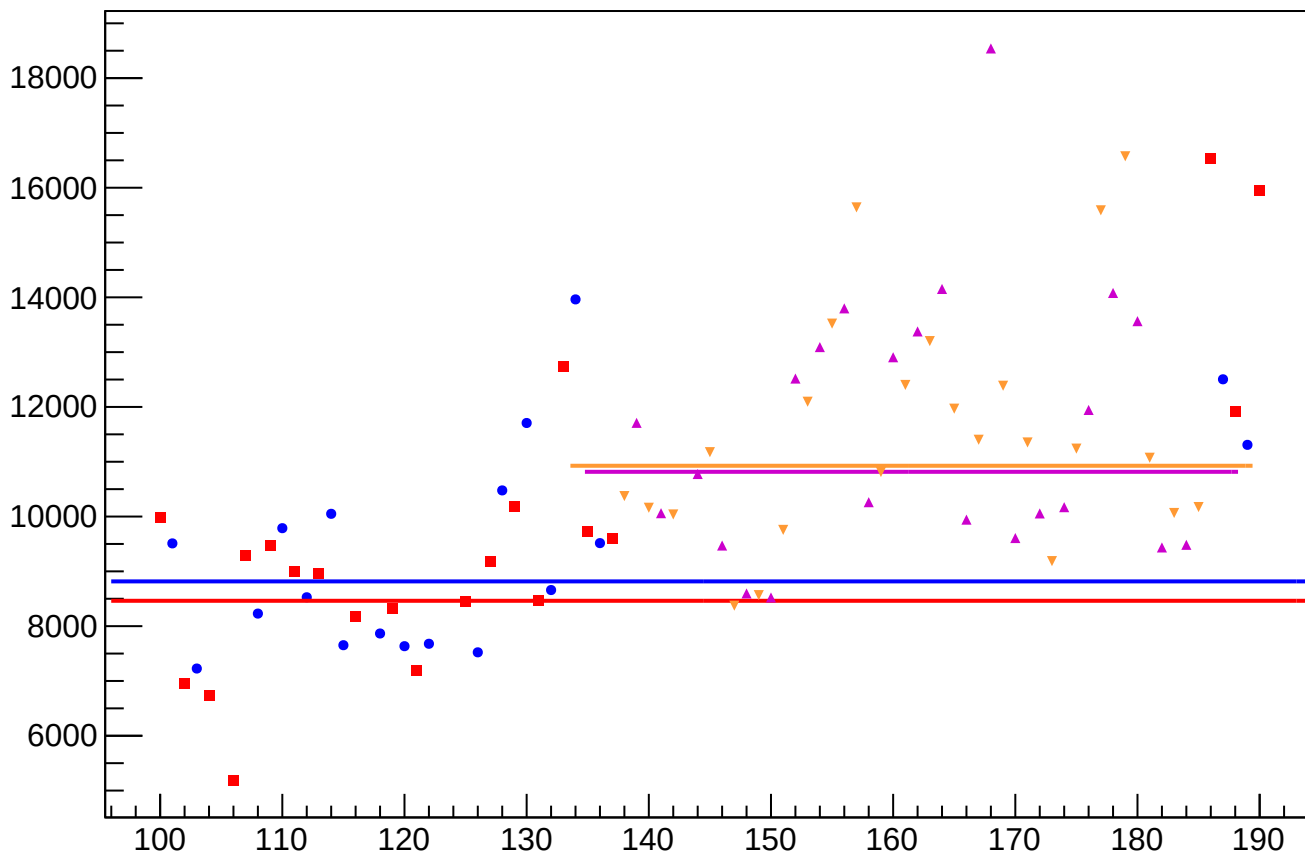
Left In: 490.047 ± 2577.218 $\chi^2/\text{NDF}: 13.5/22$

+ sign -1059.549 ± 2008.927 $\chi^2/\text{NDF}: 44.3/41$

All: 21.928 ± 1391.550 $\chi^2/\text{NDF}: 82.4/85$

- sign 1019.454 ± 1929.379 $\chi^2/\text{NDF}: 37.6/43$

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 8816.850+/-2.251 χ^2/NDF : 445751.5/17

Left Out: 10926.878+/-1.831 χ^2/NDF : 1057333.6/23

Right Out: 8462.936+/-2.058 χ^2/NDF : 1097432.8/20

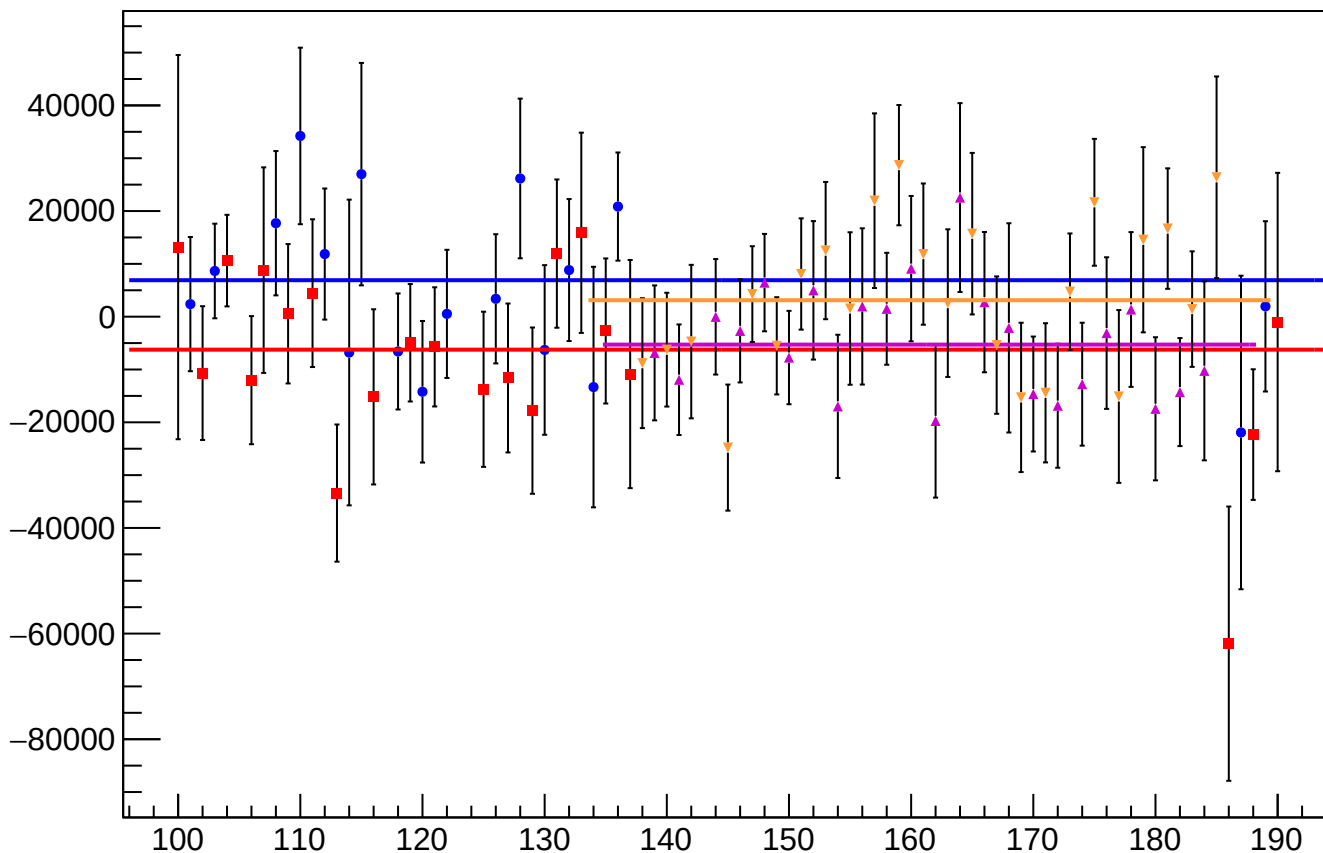
Left In: 10816.337+/-1.822 χ^2/NDF : 1196824.5/22

+ sign 10086.379+/-1.421 χ^2/NDF : 2031873.2/41

All: 9927.986+/-0.984 χ^2/NDF : 5083080.1/85

- sign 9781.888+/-1.364 χ^2/NDF : 3027306.1/43

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 6907.344+/-3242.488 χ^2/NDF : 15.1/17

Left Out: 3119.161+/-2542.855 χ^2/NDF : 27.4/23

Right Out: -6243.111+/-3095.197 χ^2/NDF : 21.0/20

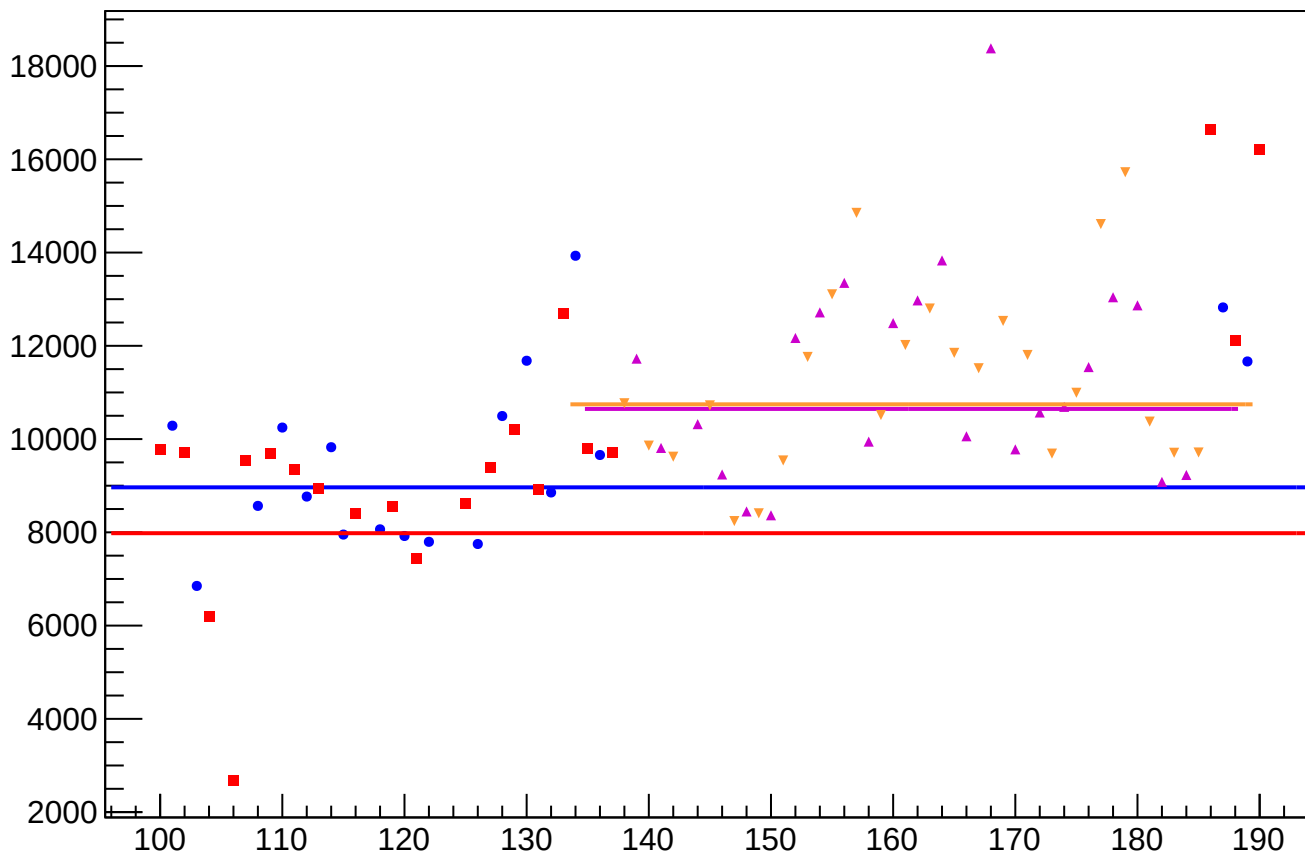
Left In: -5290.718+/-2532.995 χ^2/NDF : 13.3/22

+ sign 4561.744+/-2000.936 χ^2/NDF : 43.4/41

All: -660.581+/-1400.271 χ^2/NDF : 91.1/85

- sign -5672.720+/-1960.256 χ^2/NDF : 34.4/43

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8964.923+/-2.293 χ^2/NDF : 489303.4/17

Left Out: 10745.331+/-1.798 χ^2/NDF : 964618.1/23

Right Out: 7981.739+/-2.044 χ^2/NDF : 2316746.5/20

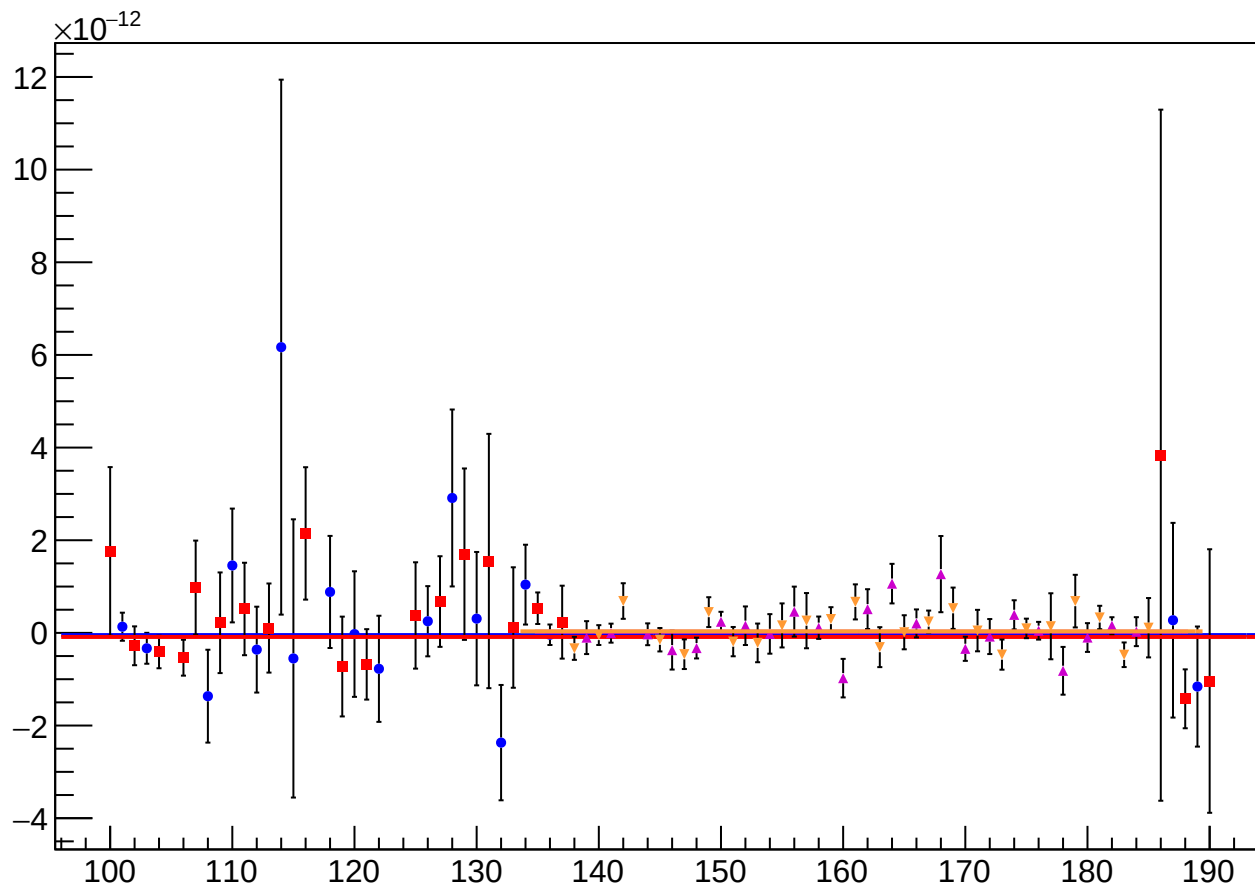
Left In: 10646.477+/-1.791 χ^2/NDF : 1114064.0/22

+ sign 10067.322+/-1.415 χ^2/NDF : 1827293.1/41

All: 9764.081+/-0.976 χ^2/NDF : 6306985.4/85

- sign 9489.178+/-1.347 χ^2/NDF : 4392115.0/43

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 15.1/17$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 26.3/23$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 18.8/20$

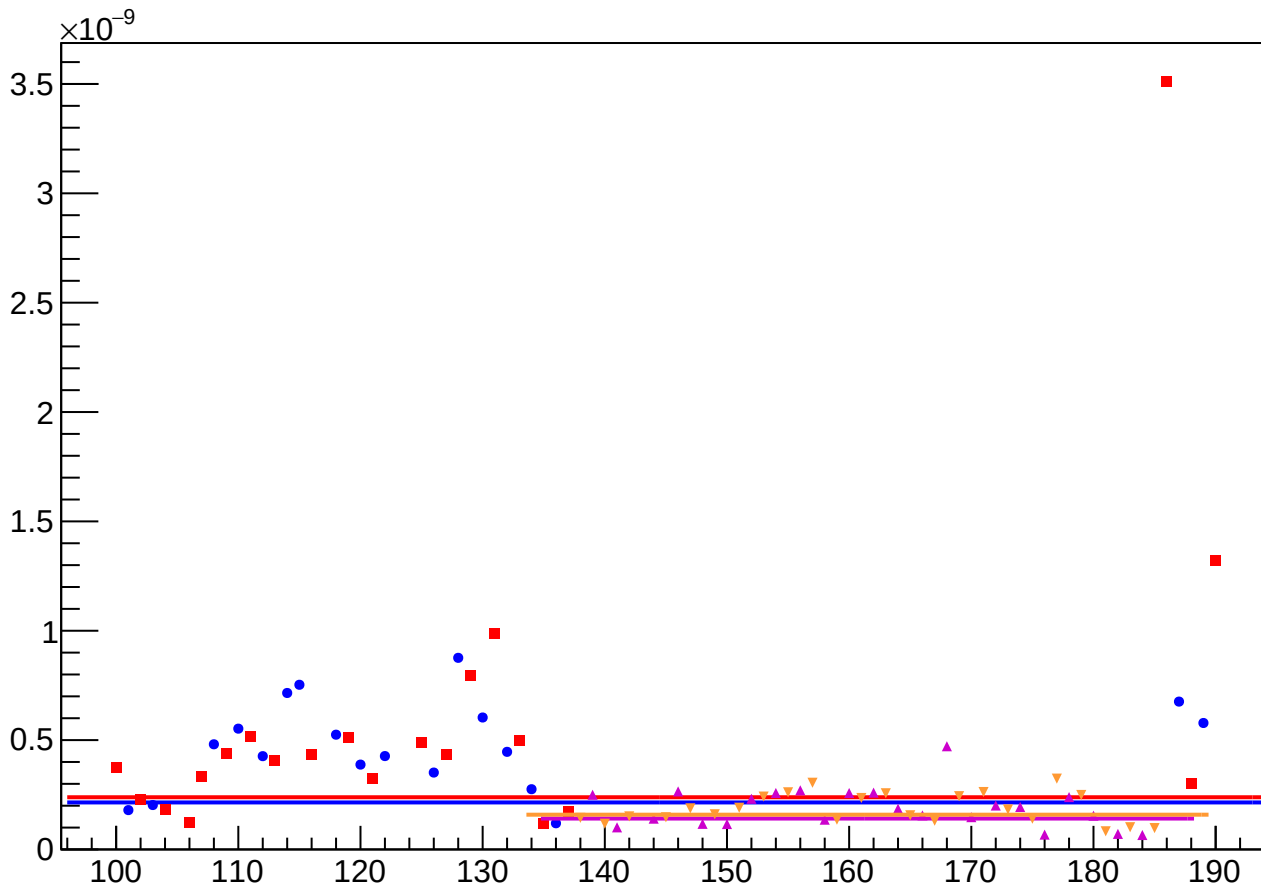
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 27.9/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 41.6/41$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 88.8/85$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 47.2/43$

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1889810.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 2259712.5/20

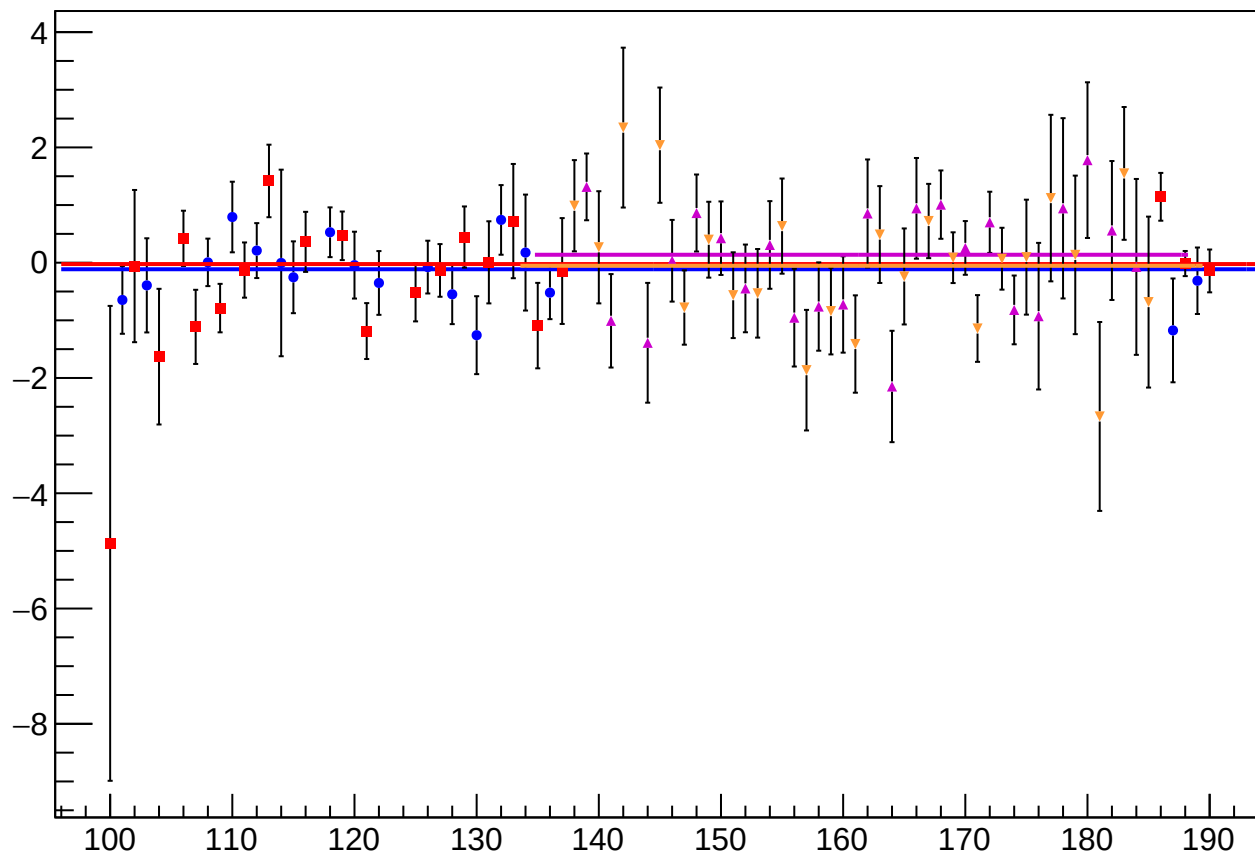
Left In: 0.000+/-0.000 χ^2/NDF : 2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3447988.6/41

All: 0.000+/-0.000 χ^2/NDF : 8874210.5/85

- sign 0.000+/-0.000 χ^2/NDF : 5366148.2/43

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.114 ± 0.134 χ^2/NDF : 14.1/17

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.024 ± 0.107 χ^2/NDF : 35.7/20

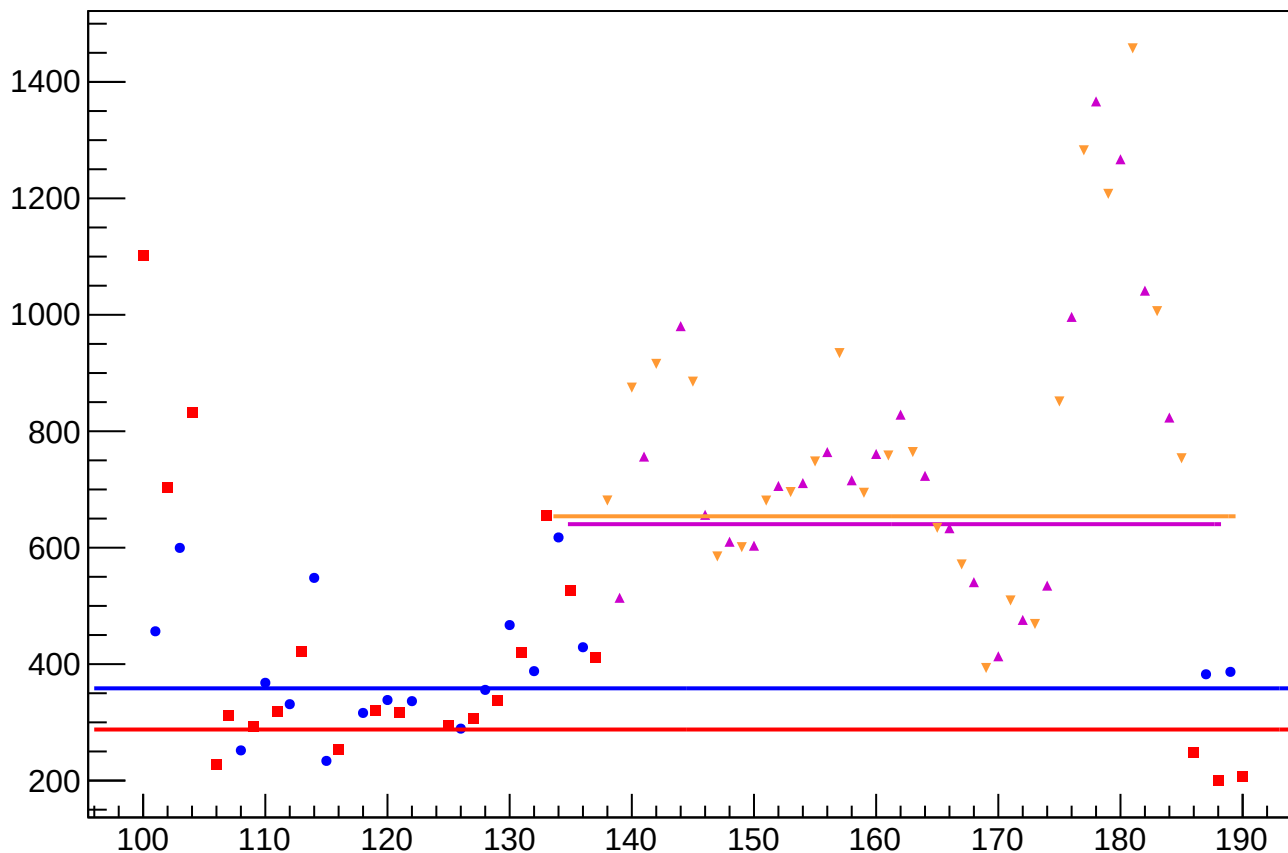
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.089 ± 0.103 χ^2/NDF : 44.3/41

All: -0.022 ± 0.067 χ^2/NDF : 111.4/85

- sign 0.027 ± 0.089 χ^2/NDF : 66.4/43

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 358.438 $\pm$ 0.095 χ^2 /NDF: 791880.3/17

Left Out: 653.930 $\pm$ 0.114 χ^2 /NDF:3124472.6/23

Right Out: 287.700 $\pm$ 0.076 χ^2 /NDF: 1911710.8/20

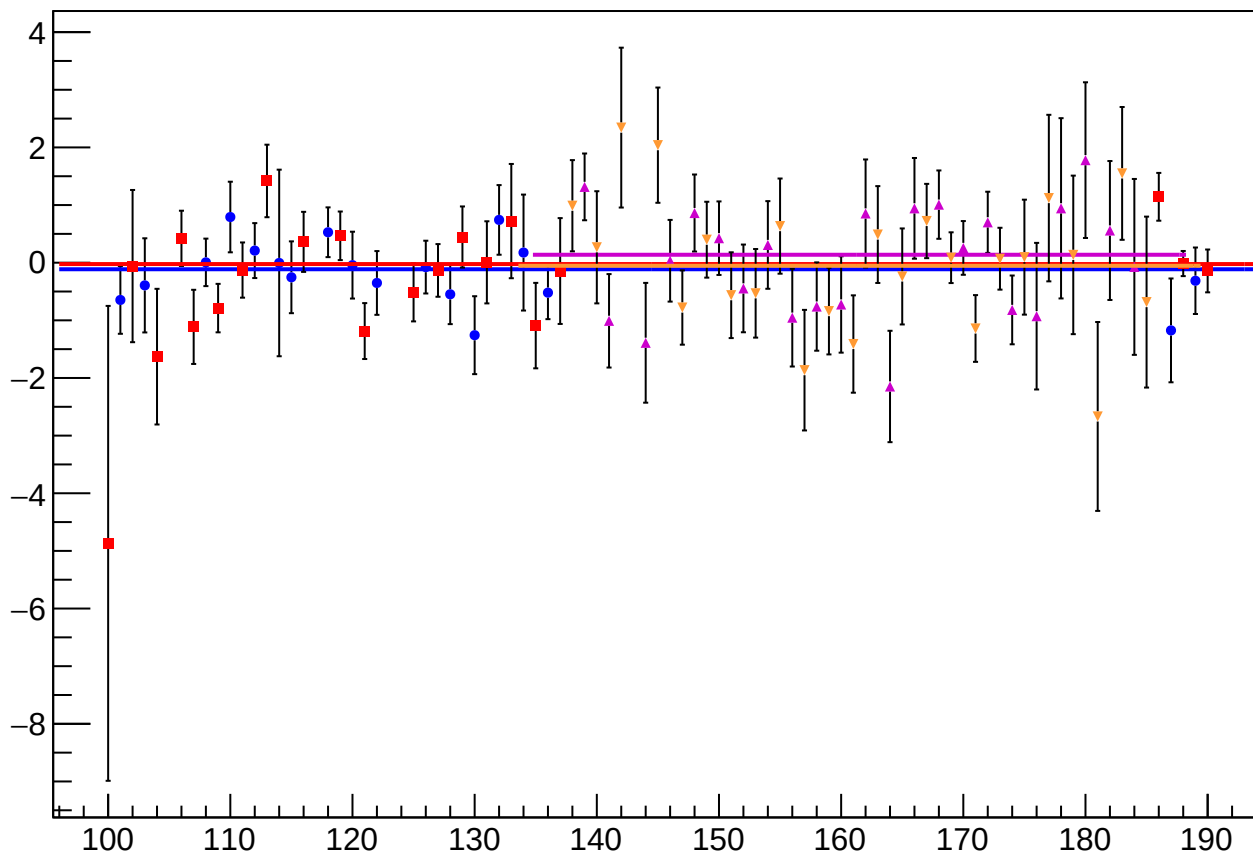
Left In: 640.392 $\pm$ 0.112 χ^2 /NDF:2647967.4/22

+ sign 479.536 $\pm$ 0.073 χ^2 /NDF: 7876337.3/41

All: 433.441 $\pm$ 0.048 χ^2 /NDF: 19951745.7/85

- sign 399.347 $\pm$ 0.063 χ^2 /NDF: 11382304.2/43

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.114 ± 0.134 χ^2/NDF : 14.1/17

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.024 ± 0.107 χ^2/NDF : 35.7/20

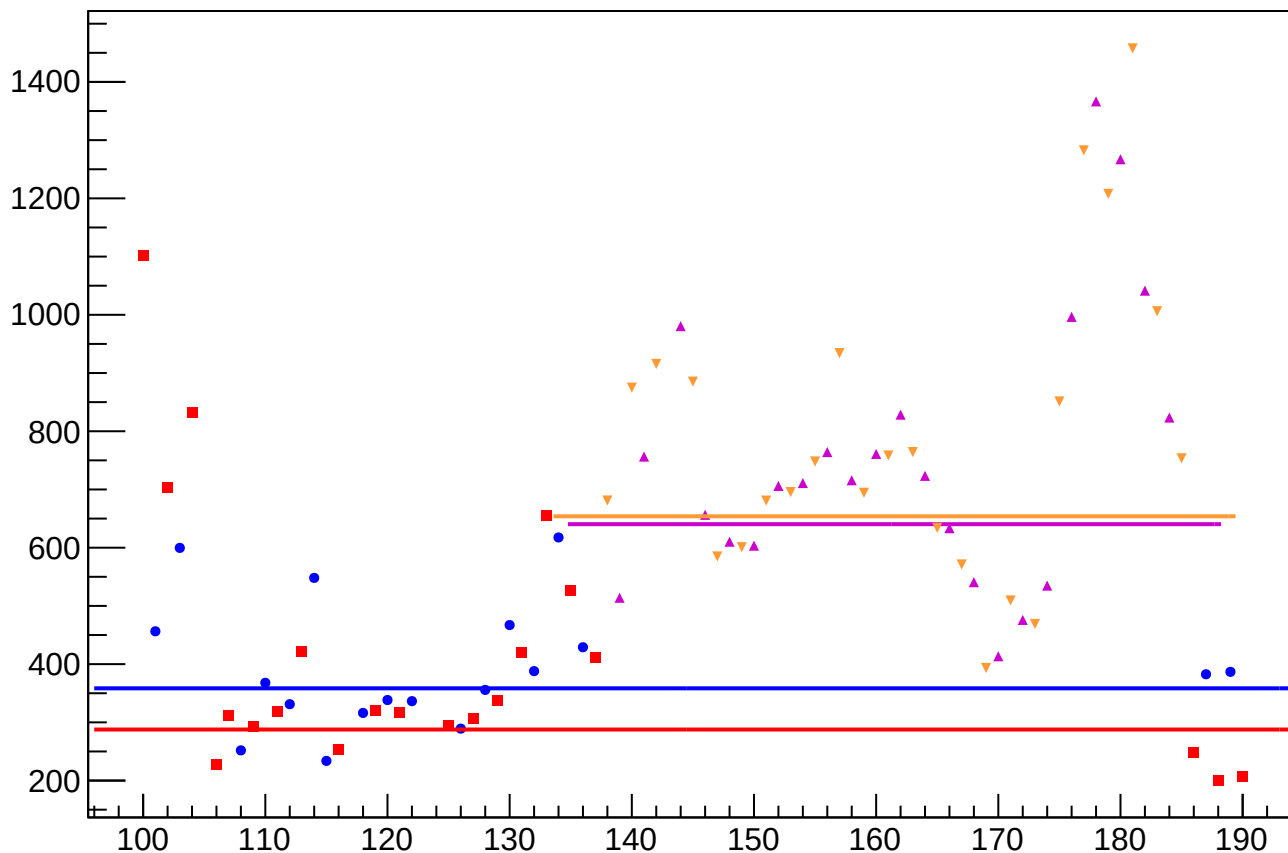
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.089 ± 0.103 χ^2/NDF : 44.3/41

All: -0.022 ± 0.067 χ^2/NDF : 111.4/85

- sign 0.027 ± 0.089 χ^2/NDF : 66.4/43

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 358.438+/-0.095 χ^2/NDF : 791880.3/17

Left Out: 653.930+/-0.114 χ^2/NDF : 3124472.6/23

Right Out: 287.700+/-0.076 χ^2/NDF : 1911710.8/20

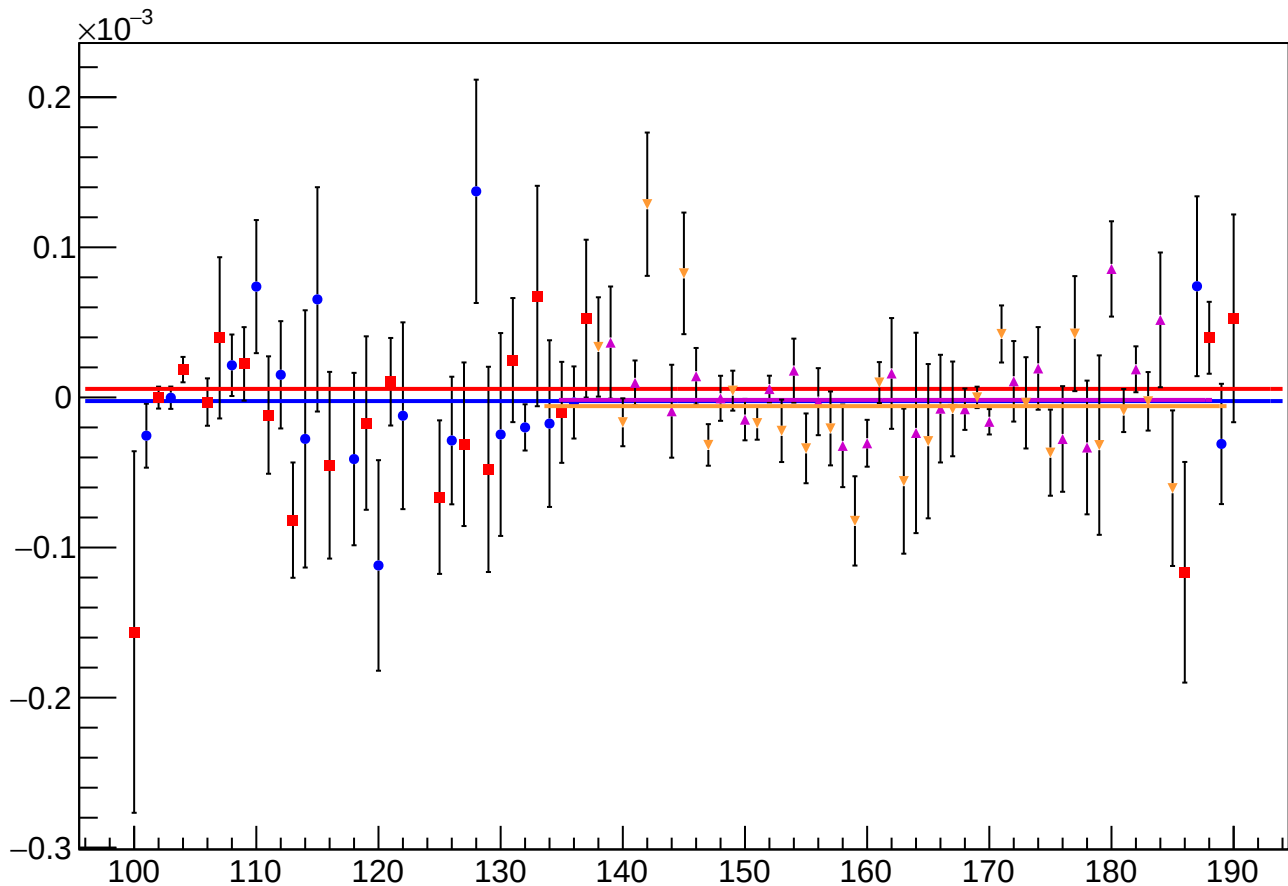
Left In: 640.392+/-0.112 χ^2/NDF : 2647967.4/22

+ sign 479.536+/-0.073 χ^2/NDF : 7876337.3/41

All: 433.441+/-0.048 χ^2/NDF : 19951745.7/85

- sign 399.347+/-0.063 χ^2/NDF : 11382304.2/43

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.2/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 42.6/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.4/20

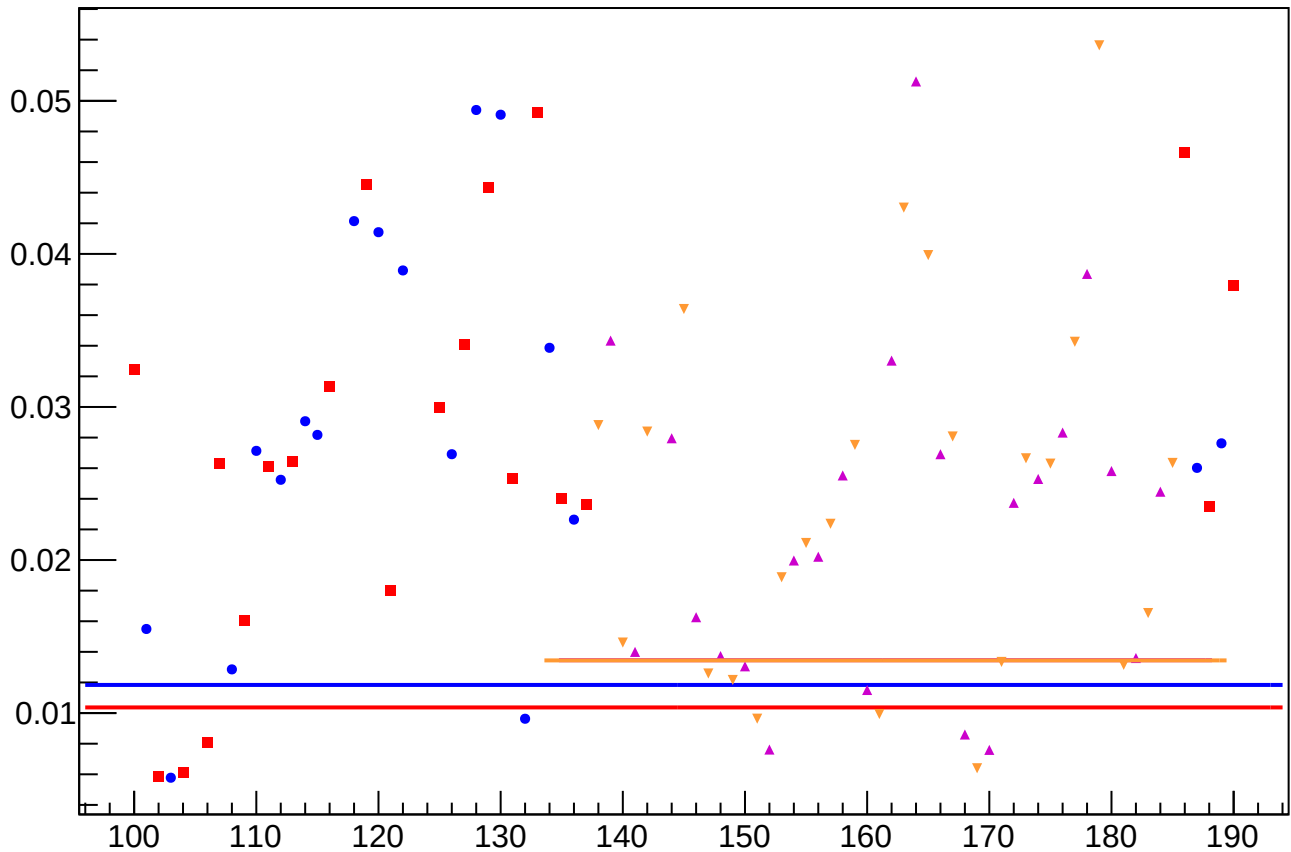
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.6/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 60.0/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 111.5/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 49.5/43

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012 ± 0.000 $\chi^2/\text{NDF}: 5934958.5/17$

Left Out: 0.013 ± 0.000 $\chi^2/\text{NDF}: 8856192.5/23$

Right Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 7247056.3/20$

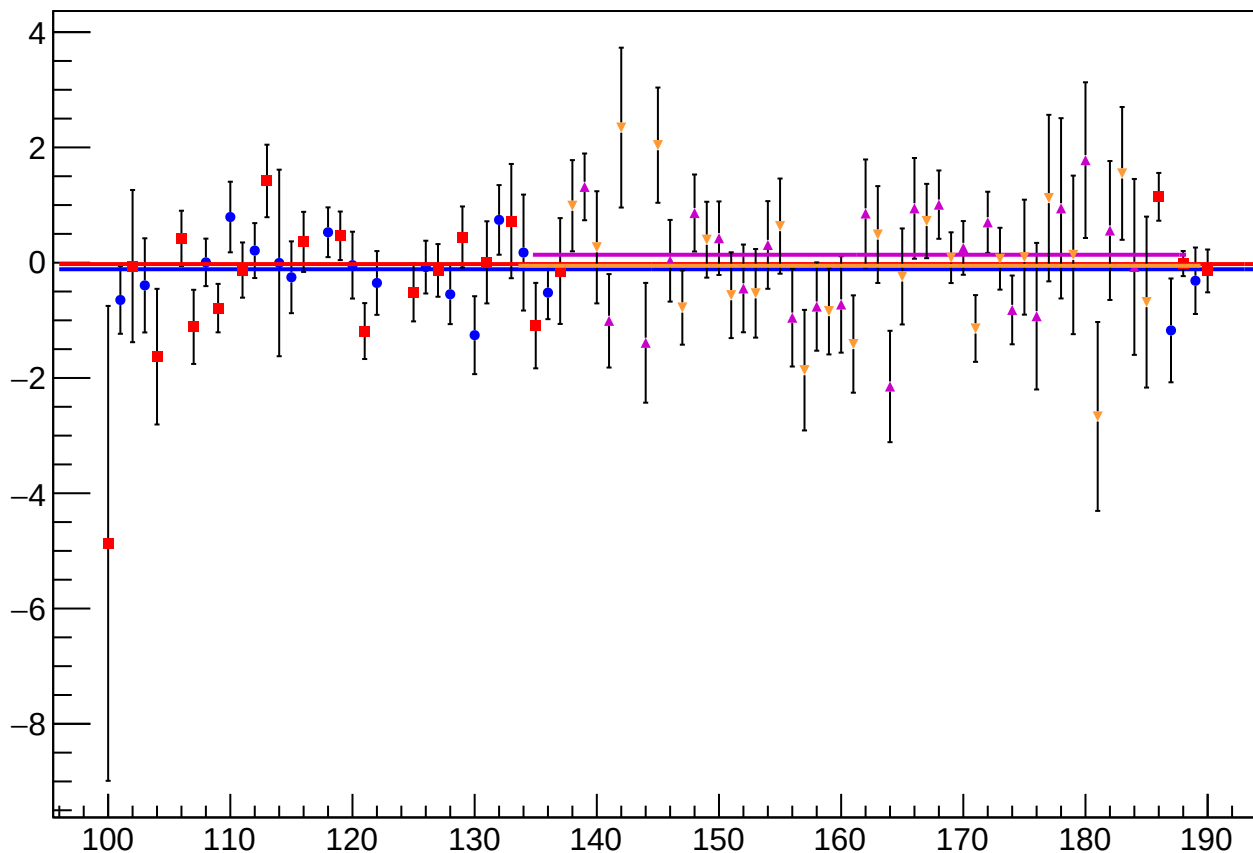
Left In: 0.013 ± 0.000 $\chi^2/\text{NDF}: 7548263.6/22$

+ sign 0.013 ± 0.000 $\chi^2/\text{NDF}: 14908279.5/41$

All: 0.013 ± 0.000 $\chi^2/\text{NDF}: 30300082.4/85$

- sign 0.012 ± 0.000 $\chi^2/\text{NDF}: 15336474.7/43$

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.114 ± 0.134 χ^2/NDF : 14.1/17

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.024 ± 0.107 χ^2/NDF : 35.7/20

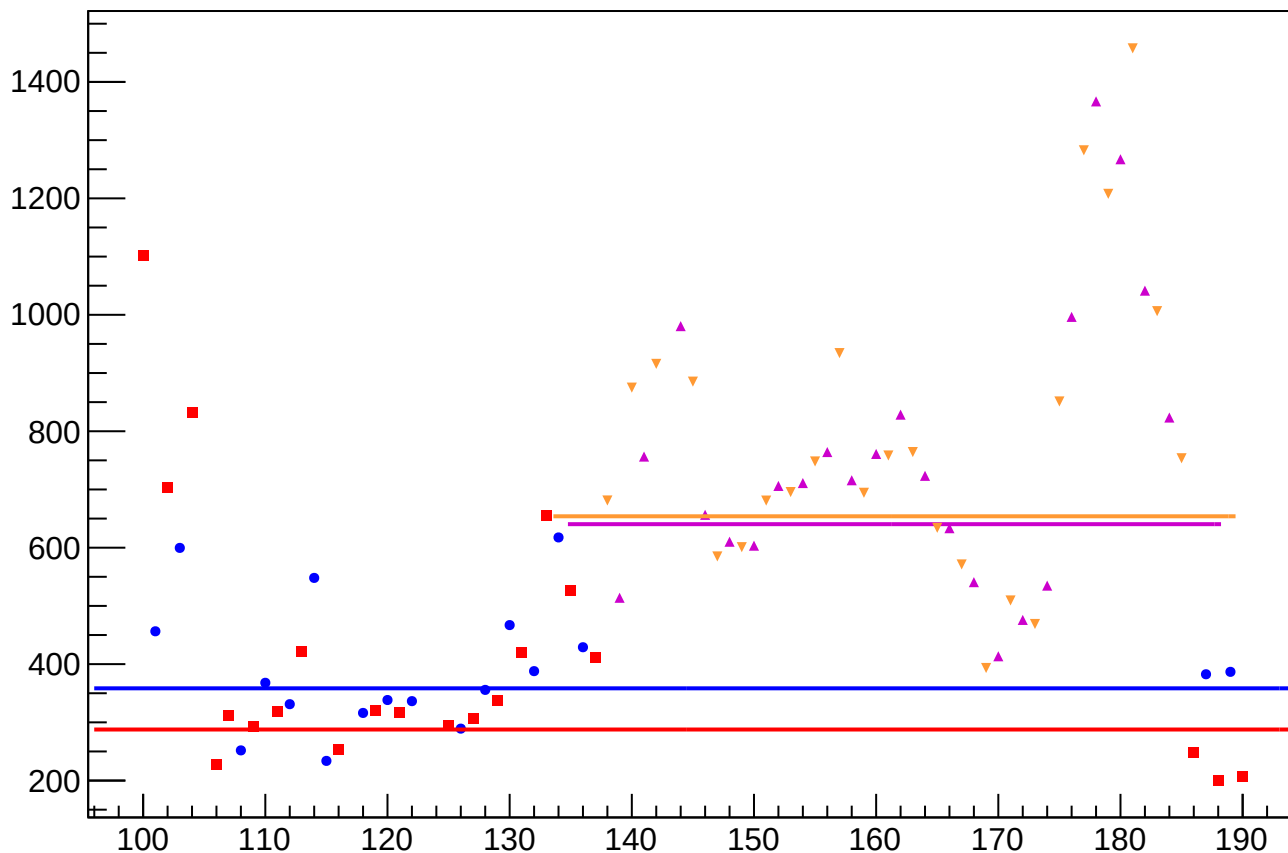
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.089 ± 0.103 χ^2/NDF : 44.3/41

All: -0.022 ± 0.067 χ^2/NDF : 111.4/85

- sign 0.027 ± 0.089 χ^2/NDF : 66.4/43

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 358.438 $\pm$ 0.095 χ^2 /NDF: 791851.2/17

Left Out: 653.930 $\pm$ 0.114 χ^2 /NDF: 3124692.9/23

Right Out: 287.694 $\pm$ 0.076 χ^2 /NDF: 1911782.7/20

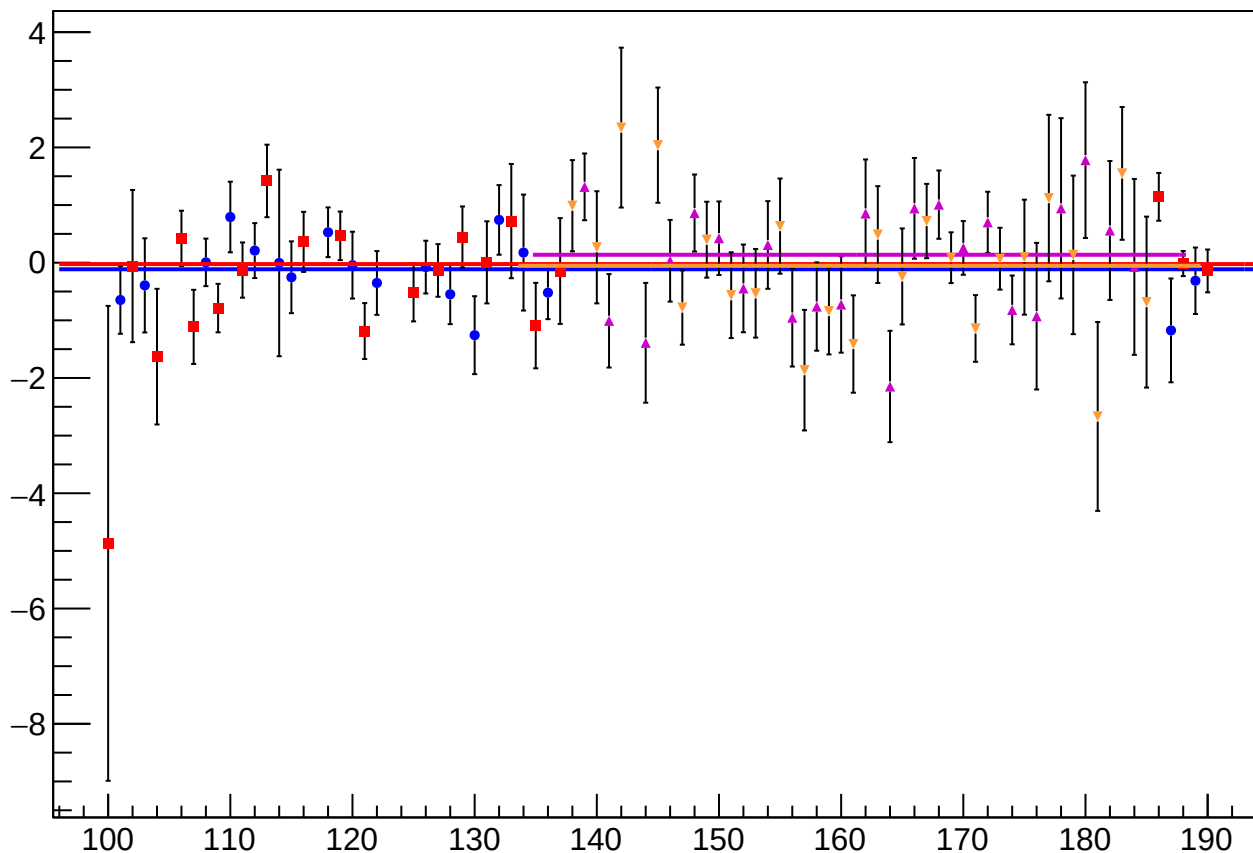
Left In: 640.395 $\pm$ 0.112 χ^2 /NDF: 2648118.2/22

+ sign 479.535 $\pm$ 0.073 χ^2 /NDF: 7876548.8/41

All: 433.436 $\pm$ 0.048 χ^2 /NDF: 19952657.4/85

- sign 399.340 $\pm$ 0.063 χ^2 /NDF: 11382895.0/43

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.114 ± 0.134 χ^2/NDF : 14.1/17

Left Out: -0.053 ± 0.161 χ^2/NDF : 30.1/23

Right Out: -0.024 ± 0.107 χ^2/NDF : 35.7/20

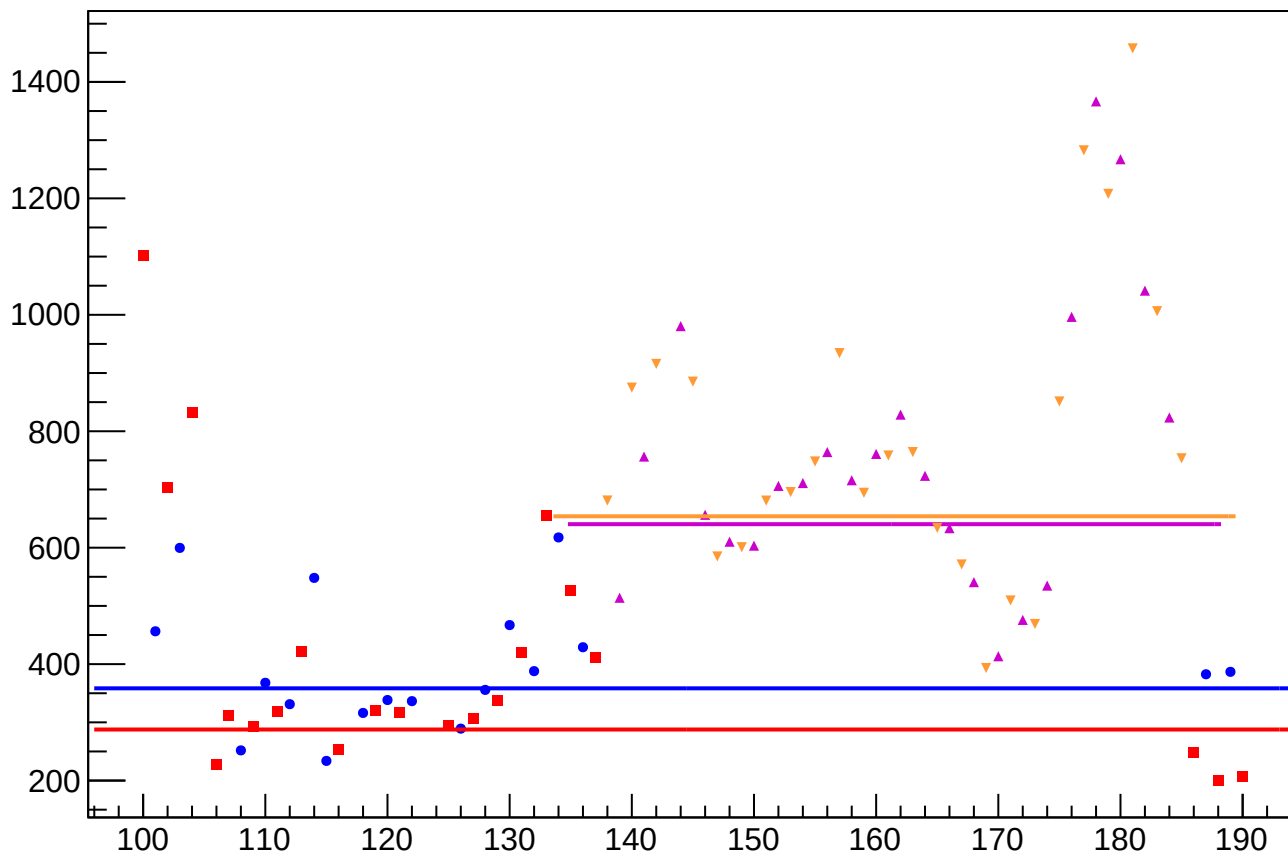
Left In: 0.138 ± 0.158 χ^2/NDF : 30.0/22

+ sign -0.089 ± 0.103 χ^2/NDF : 44.3/41

All: -0.022 ± 0.067 χ^2/NDF : 111.4/85

- sign 0.027 ± 0.089 χ^2/NDF : 66.4/43

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 358.438 $\pm$ 0.095 χ^2 /NDF: 791851.2/17

Left Out: 653.930 $\pm$ 0.114 χ^2 /NDF: 3124692.9/23

Right Out: 287.694 $\pm$ 0.076 χ^2 /NDF: 1911782.7/20

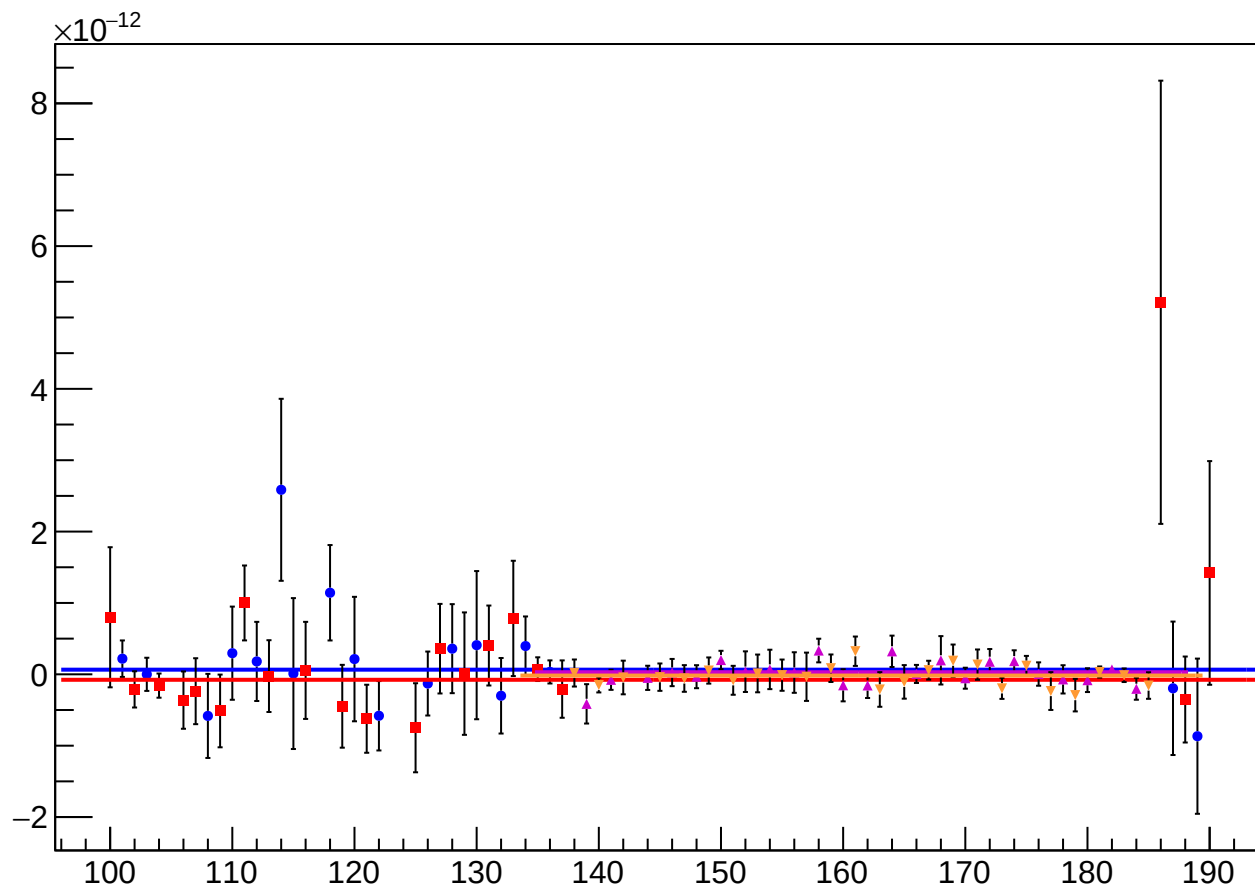
Left In: 640.395 $\pm$ 0.112 χ^2 /NDF: 2648118.2/22

+ sign 479.535 $\pm$ 0.073 χ^2 /NDF: 7876548.8/41

All: 433.436 $\pm$ 0.048 χ^2 /NDF: 19952657.4/85

- sign 399.340 $\pm$ 0.063 χ^2 /NDF: 11382895.0/43

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 12.6/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 13.1/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 17.1/20

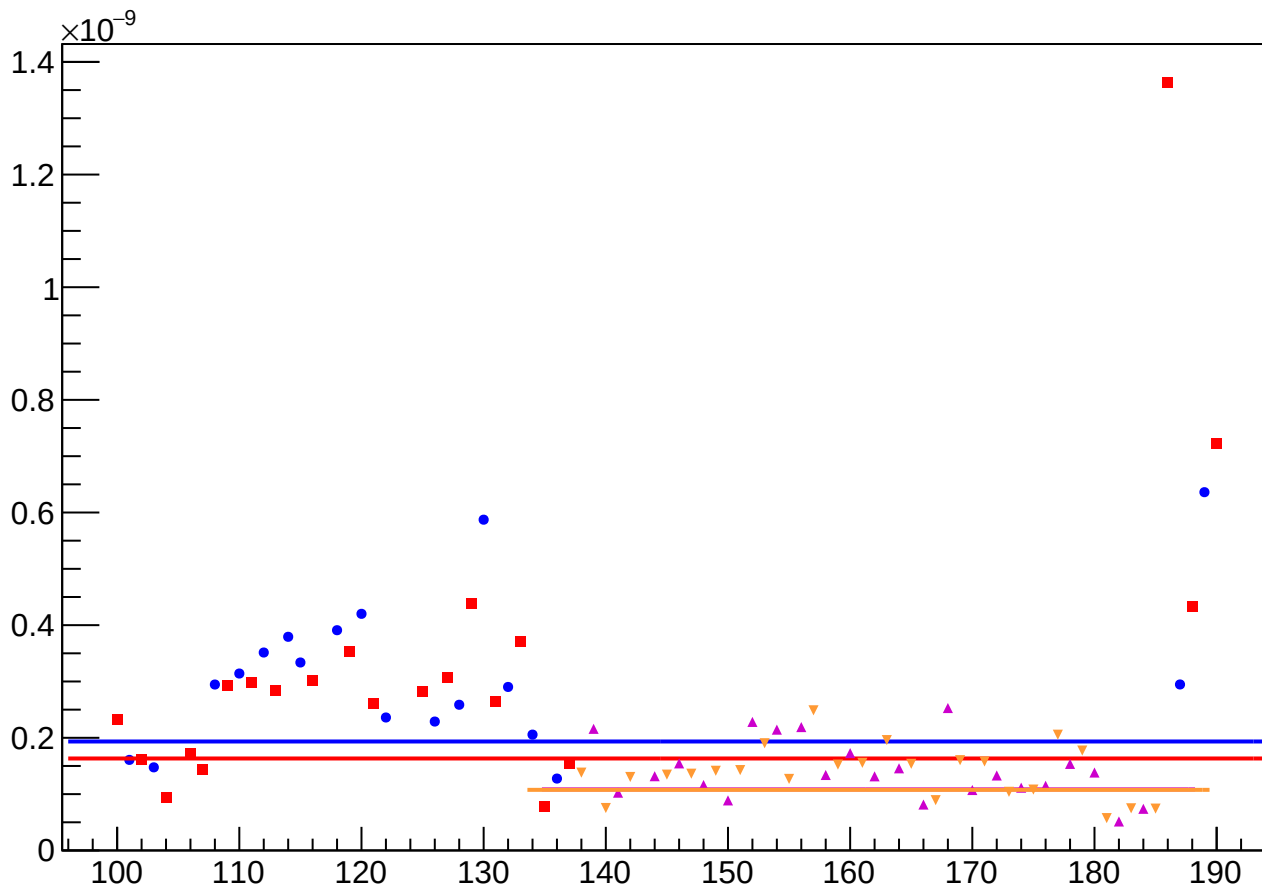
Left In: 0.000 ± 0.000 χ^2/NDF : 17.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 26.4/41

All: 0.000 ± 0.000 χ^2/NDF : 63.0/85

- sign 0.000 ± 0.000 χ^2/NDF : 36.3/43

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1879961.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3173656.2/20

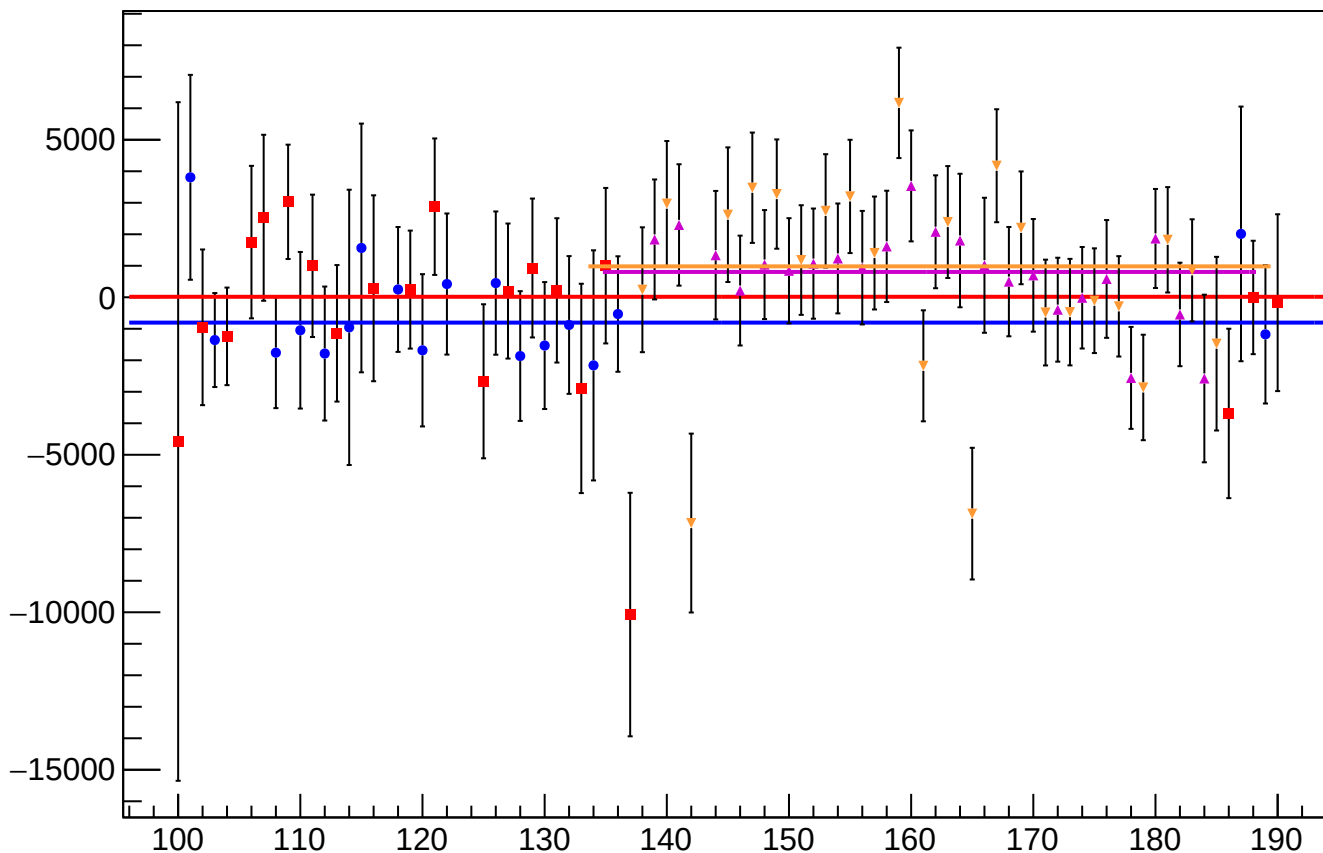
Left In: 0.000+/-0.000 χ^2/NDF : 3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 6775558.7/41

All: 0.000+/-0.000 χ^2/NDF : 14550256.0/85

- sign 0.000+/-0.000 χ^2/NDF : 7773605.0/43

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -804.143+/-533.238 χ^2/NDF : 5.1/17

Left Out: 981.627+/-370.843 χ^2/NDF : 55.5/23

Right Out: 15.499+/-505.988 χ^2/NDF : 18.4/20

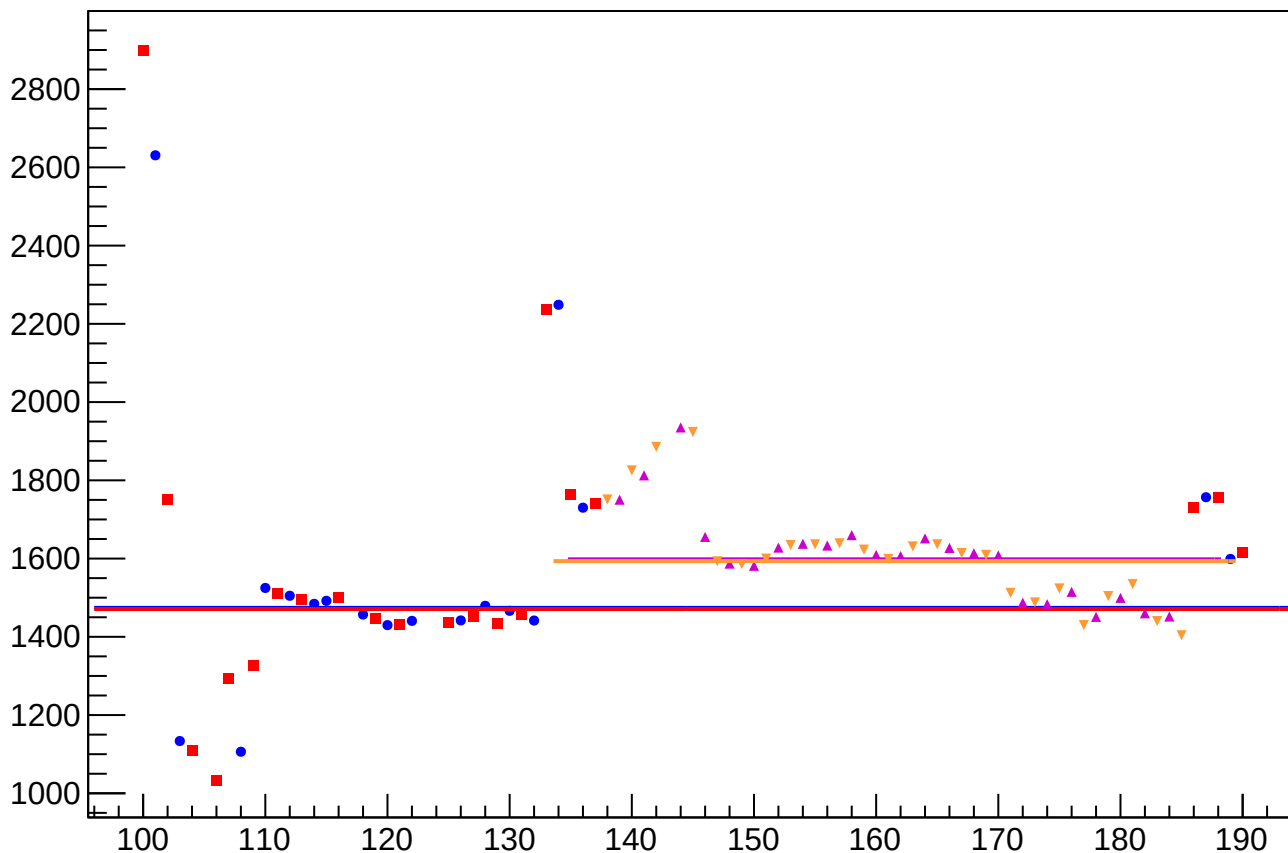
Left In: 803.908+/-374.066 χ^2/NDF : 12.4/22

+ sign 399.483+/-304.455 χ^2/NDF : 68.2/41

All: 463.148+/-213.976 χ^2/NDF : 100.8/85

- sign 525.291+/-300.793 χ^2/NDF : 32.5/43

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1473.966 $\pm$ 0.377 χ^2 /NDF: 593168.9/17

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF:187613.7/23

Right Out: 1471.030 $\pm$ 0.356 χ^2 /NDF: 497516.3/20

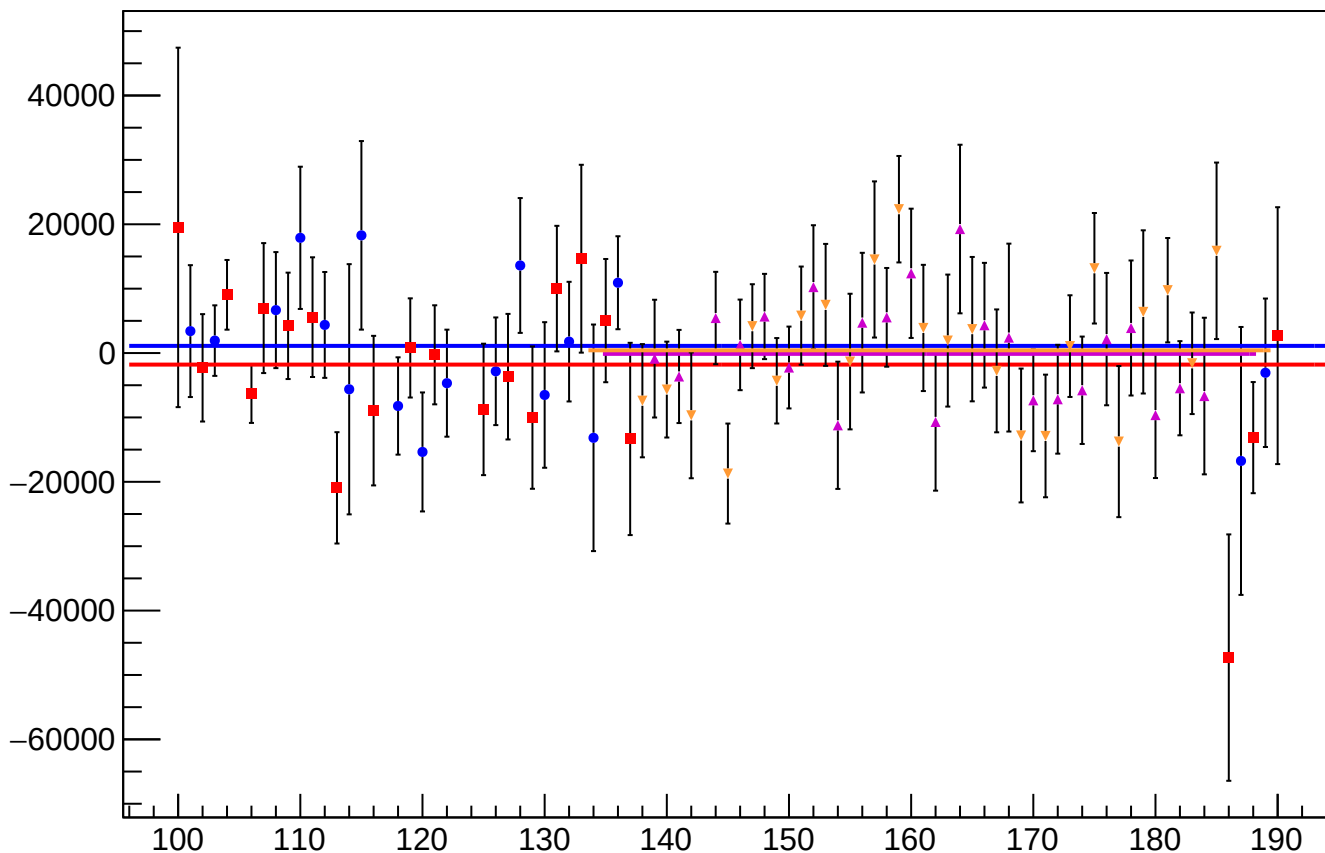
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF:169157.7/22

+ sign 1554.521 $\pm$ 0.215 χ^2 /NDF: 848501.5/41

All: 1553.667 $\pm$ 0.151 χ^2 /NDF: 1597459.6/85

- sign 1552.838 $\pm$ 0.212 χ^2 /NDF: 748927.1/43

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug



Right In: 1113.460 $\pm$ 2212.764 χ^2 /NDF: 15.1/17

Left Out: 426.701 $\pm$ 1819.878 χ^2 /NDF:29.4/23

Right Out: -1793.508 $\pm$ 1939.639 χ^2 /NDF: 25.2/20

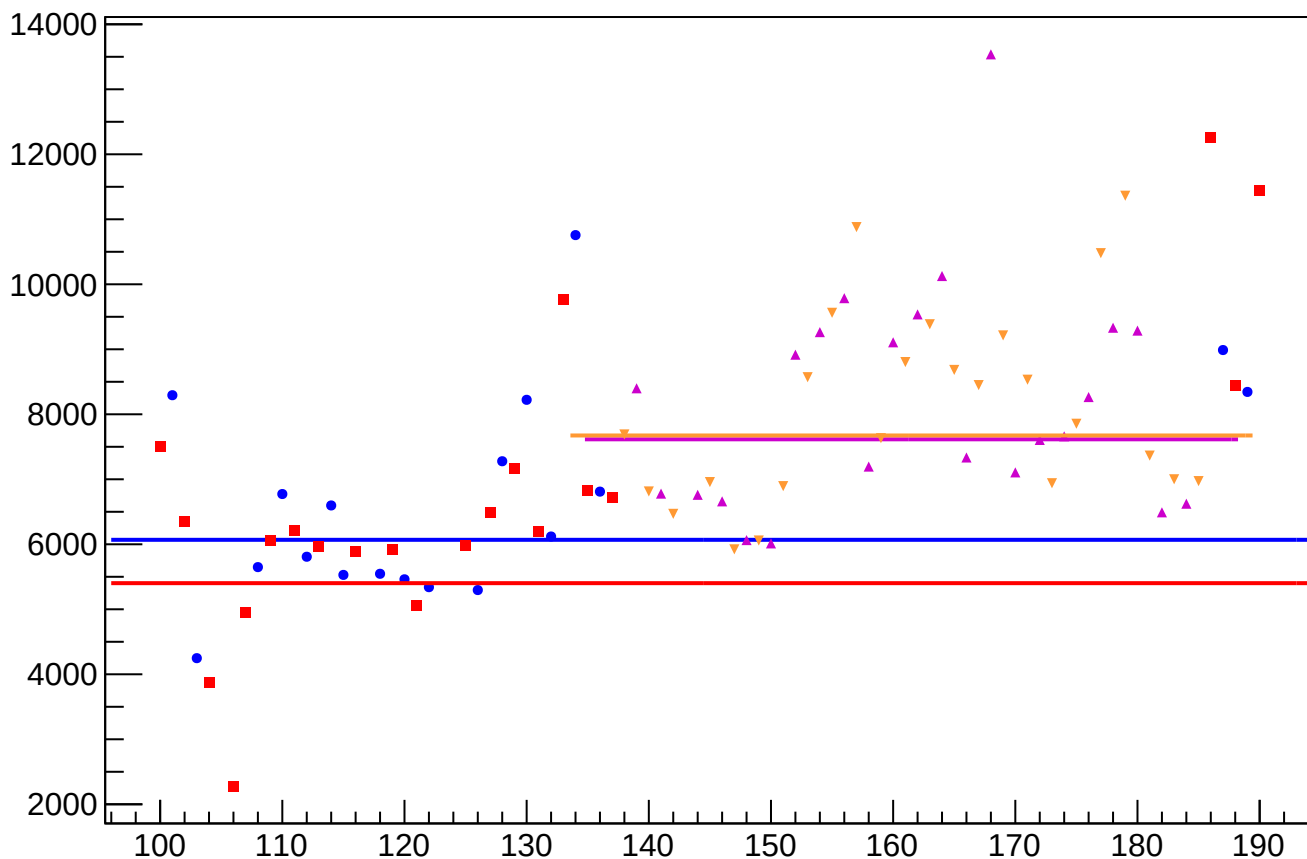
Left In: -126.369 $\pm$ 1814.830 χ^2 /NDF:13.9/22

+ sign 703.801 $\pm$ 1405.566 χ^2 /NDF: 44.5/41

All: -147.679 $\pm$ 964.220 χ^2 /NDF: 84.7/85

- sign -904.580 $\pm$ 1325.206 χ^2 /NDF: 39.5/43

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 6068.814+/-1.565 χ^2/NDF : 764261.1/17

Left Out: 7674.060+/-1.287 χ^2/NDF : 1076713.7/23

Right Out: 5401.969+/-1.372 χ^2/NDF : 2214592.7/20

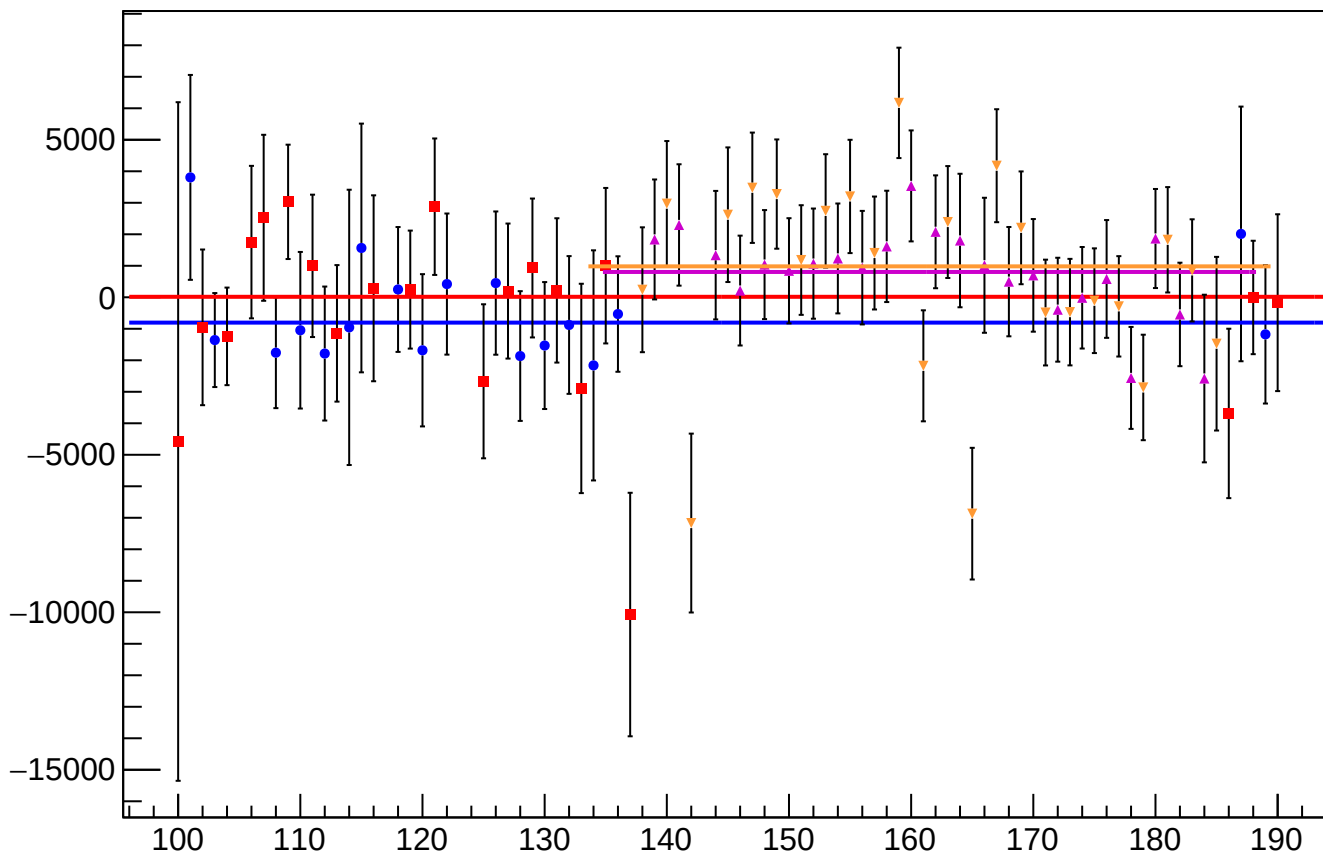
Left In: 7614.974+/-1.283 χ^2/NDF : 1224520.2/22

+ sign 7026.360+/-0.994 χ^2/NDF : 2468832.6/41

All: 6791.092+/-0.682 χ^2/NDF : 7401976.4/85

- sign 6581.956+/-0.937 χ^2/NDF : 4827299.5/43

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -804.238+/-533.238 χ^2/NDF : 5.1/17

Left Out: 981.712+/-370.843 χ^2/NDF : 55.6/23

Right Out: 15.371+/-505.988 χ^2/NDF : 18.4/20

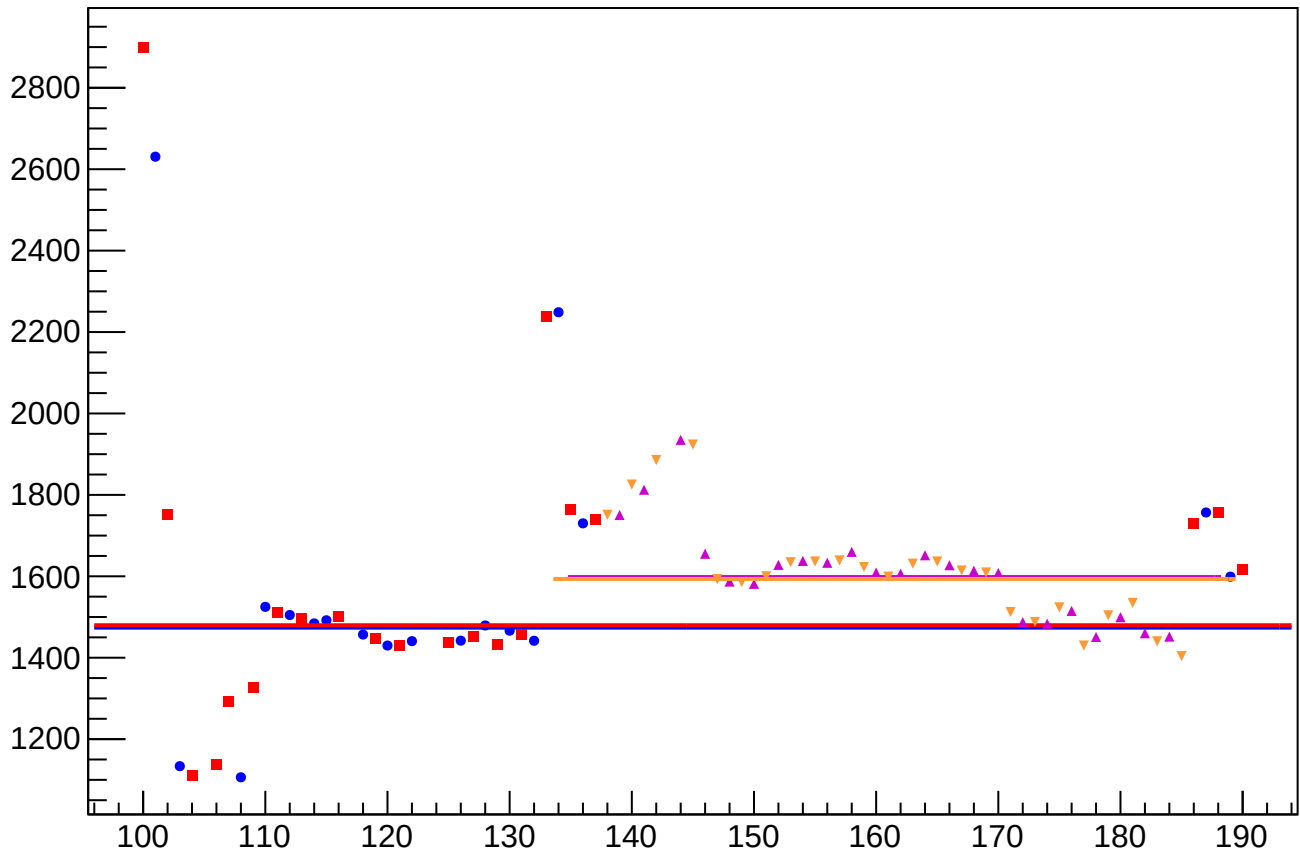
Left In: 803.783+/-374.066 χ^2/NDF : 12.4/22

+ sign 399.509+/-304.455 χ^2/NDF : 68.2/41

All: 463.097+/-213.976 χ^2/NDF : 100.8/85

- sign 525.164+/-300.793 χ^2/NDF : 32.5/43

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1473.965 $\pm$ 0.377 χ^2 /NDF: 593169.1/17

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF: 187613.7/23

Right Out: 1479.786 $\pm$ 0.357 χ^2 /NDF: 454002.7/20

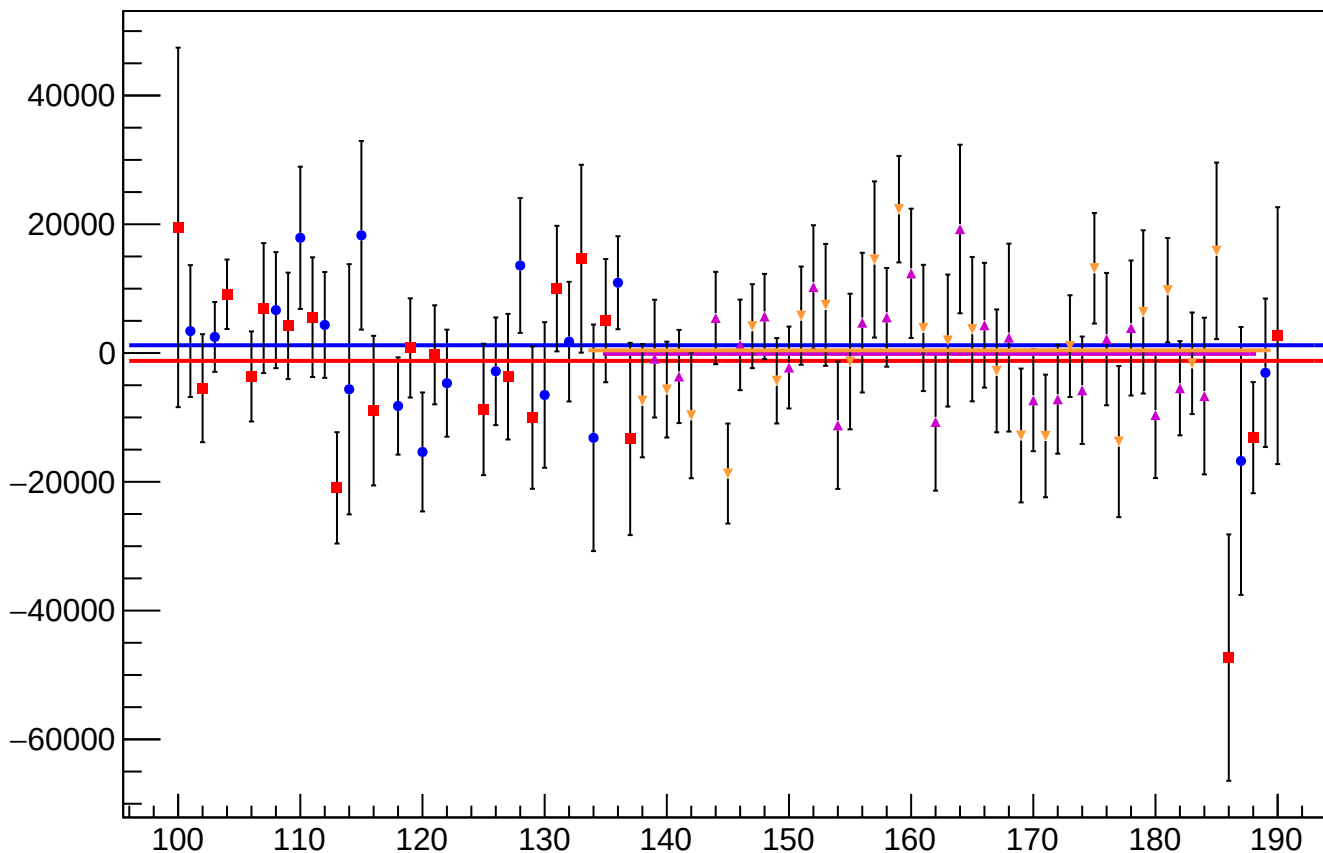
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF: 169157.7/22

+ sign 1554.521 $\pm$ 0.215 χ^2 /NDF: 848501.9/41

All: 1555.369 $\pm$ 0.151 χ^2 /NDF: 1542601.4/85

- sign 1556.195 $\pm$ 0.213 χ^2 /NDF: 694068.9/43

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug



Right In: 1210.994 $\pm$ 2209.264 χ^2 /NDF: 15.1/17

Left Out: 426.702 $\pm$ 1819.879 χ^2 /NDF:29.4/23

Right Out: -1215.365 $\pm$ 2047.847 χ^2 /NDF: 24.5/20

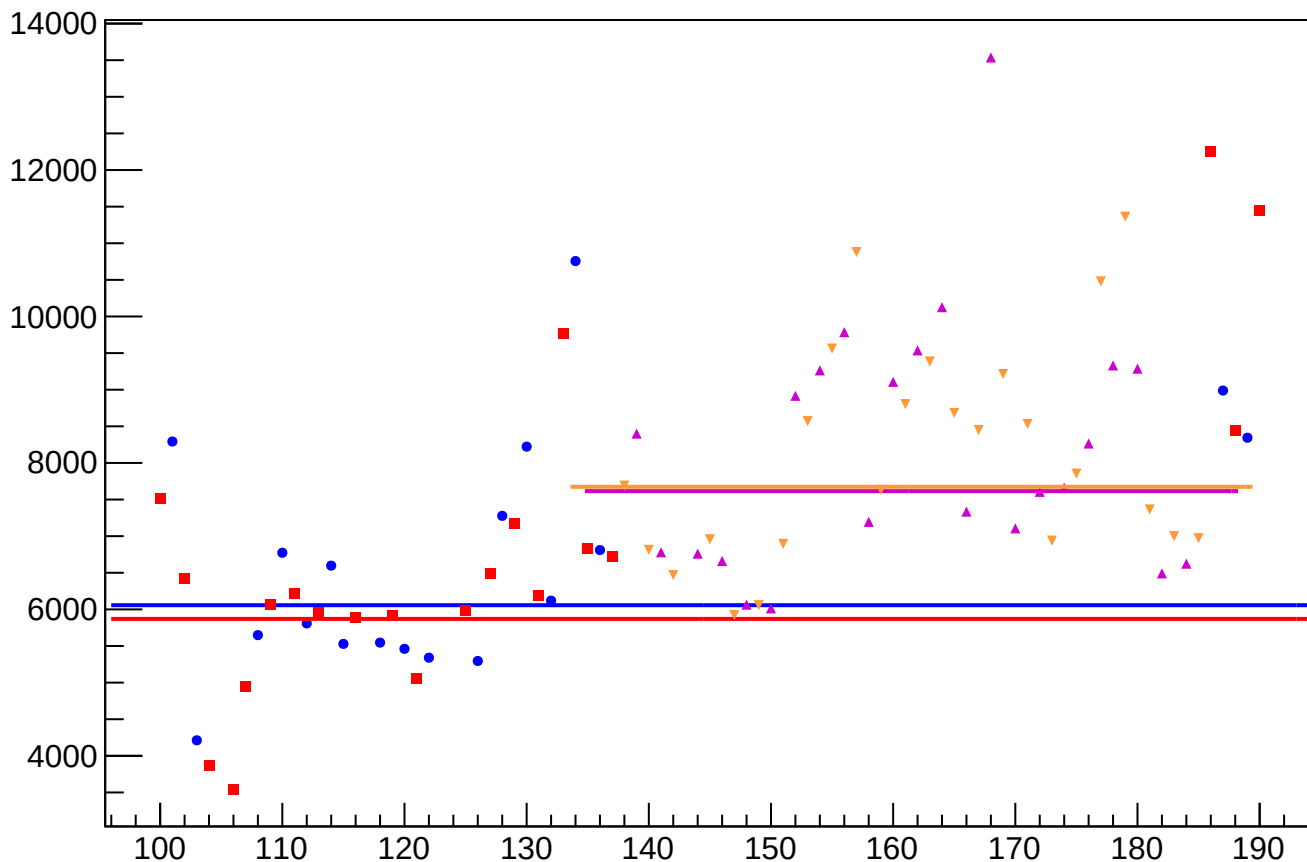
Left In: -126.376 $\pm$ 1814.828 χ^2 /NDF:13.9/22

+ sign 743.754 $\pm$ 1404.668 χ^2 /NDF: 44.6/41

All: 46.496 $\pm$ 976.416 χ^2 /NDF: 83.6/85

- sign -605.414 $\pm$ 1358.223 χ^2 /NDF: 38.6/43

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 6057.124+/-1.562 χ^2/NDF : 777368.0/17

Left Out: 7674.063+/-1.287 χ^2/NDF : 1076712.6/23

Right Out: 5870.094+/-1.448 χ^2/NDF : 1320859.3/20

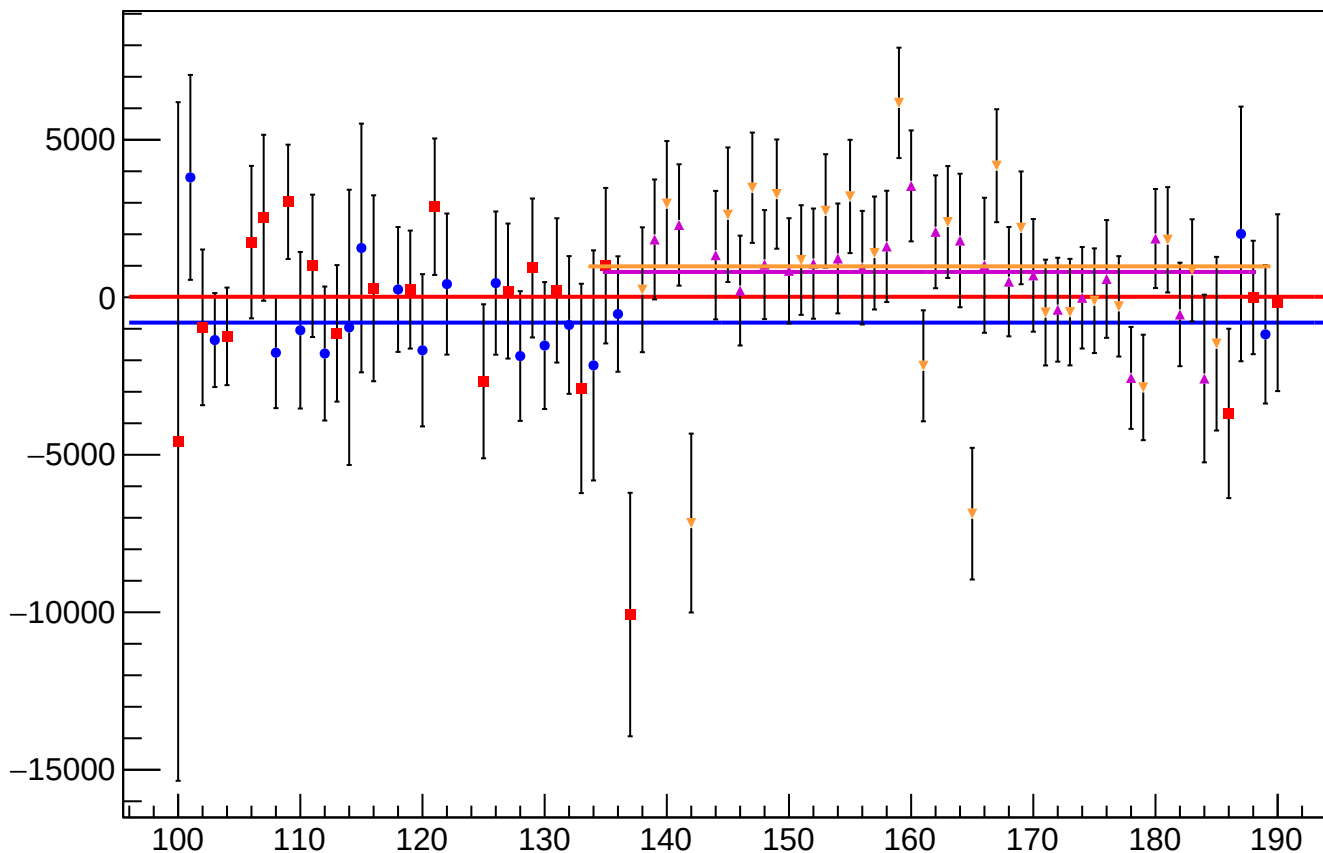
Left In: 7614.964+/-1.283 χ^2/NDF : 1224525.6/22

+ sign 7020.412+/-0.993 χ^2/NDF : 2492320.6/41

All: 6931.003+/-0.690 χ^2/NDF : 5866650.0/85

- sign 6847.408+/-0.960 χ^2/NDF : 3358650.2/43

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -804.238+/-533.238 χ^2/NDF : 5.1/17

Left Out: 981.712+/-370.843 χ^2/NDF : 55.6/23

Right Out: 15.371+/-505.988 χ^2/NDF : 18.4/20

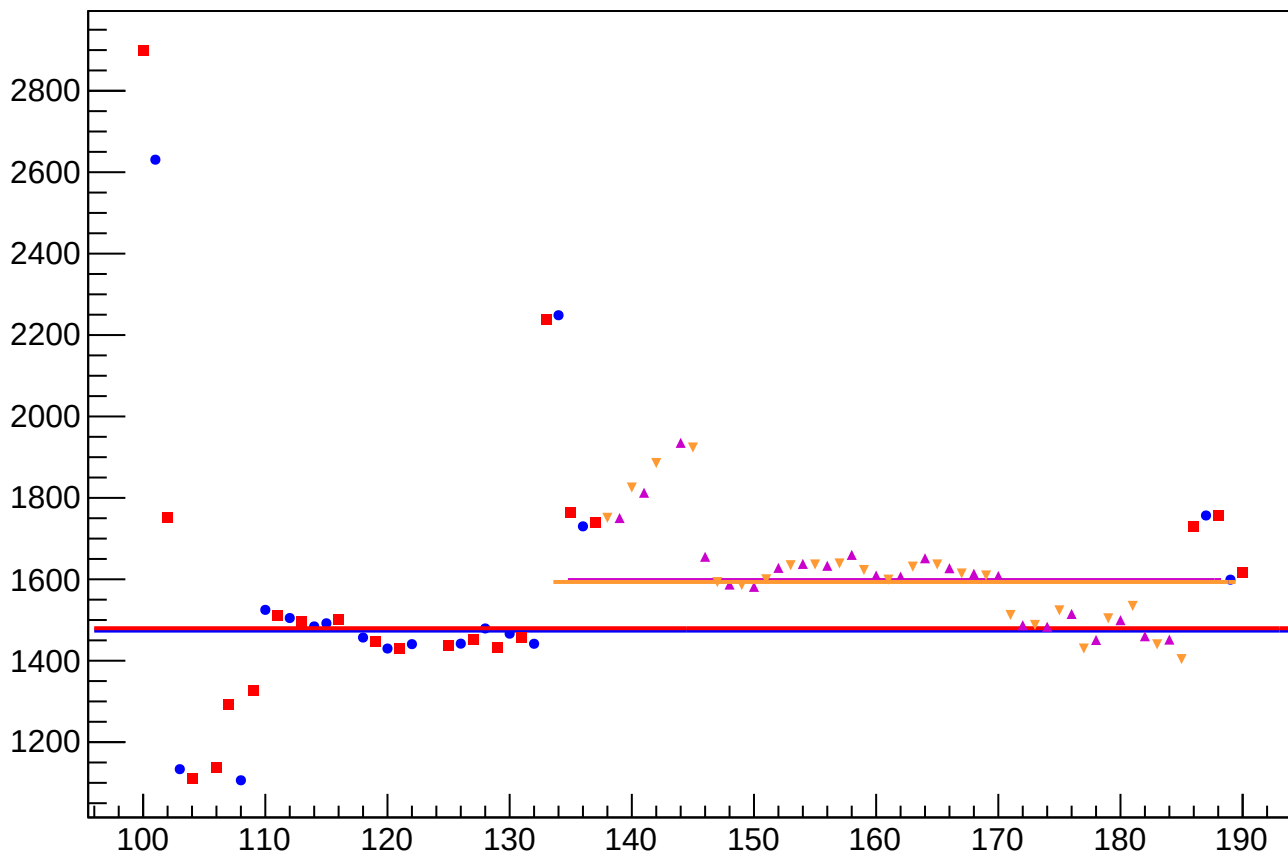
Left In: 803.783+/-374.066 χ^2/NDF : 12.4/22

+ sign 399.509+/-304.455 χ^2/NDF : 68.2/41

All: 463.097+/-213.976 χ^2/NDF : 100.8/85

- sign 525.164+/-300.793 χ^2/NDF : 32.5/43

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1473.965 $\pm$ 0.377 χ^2 /NDF: 593169.1/17

Left Out: 1593.482 $\pm$ 0.262 χ^2 /NDF: 187613.7/23

Right Out: 1479.786 $\pm$ 0.357 χ^2 /NDF: 454002.7/20

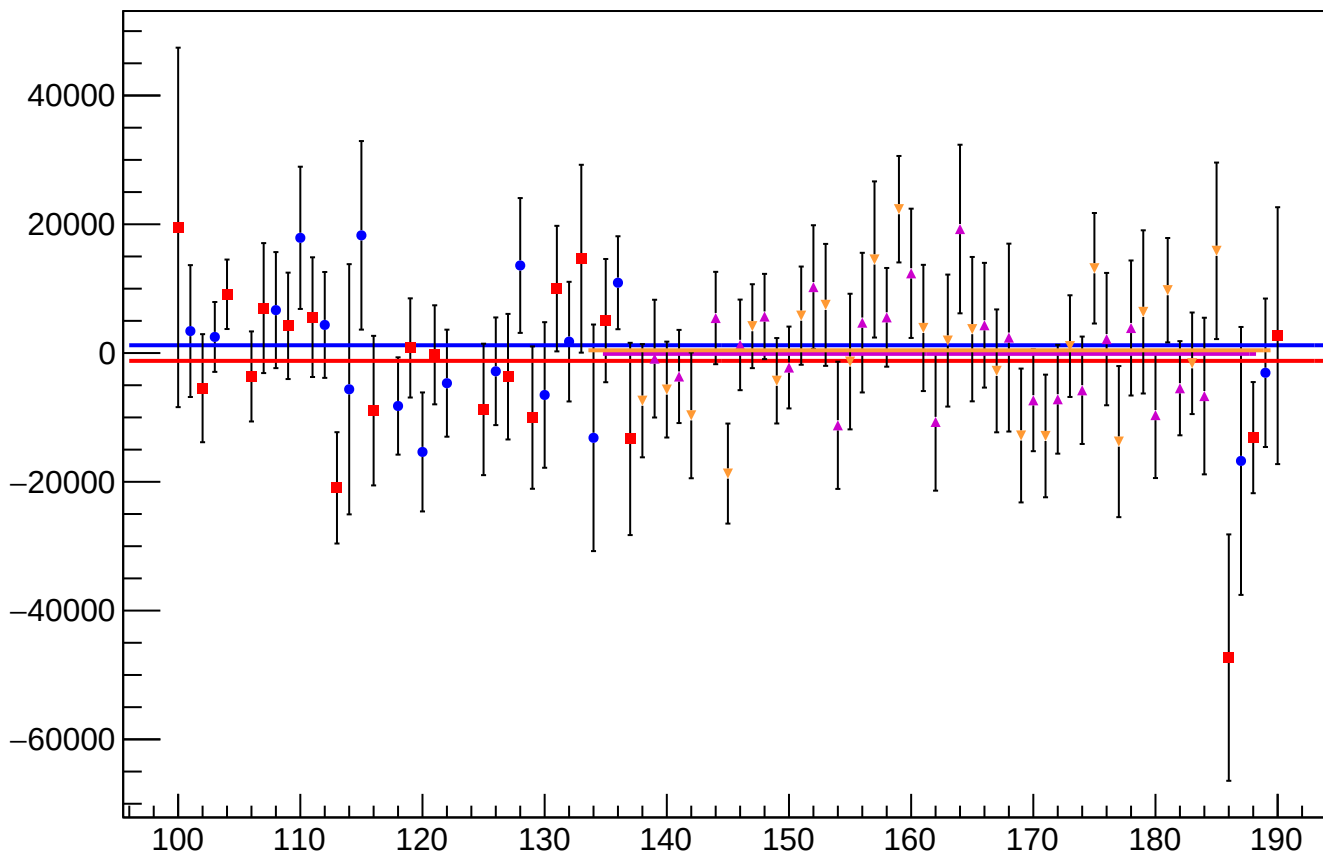
Left In: 1598.119 $\pm$ 0.265 χ^2 /NDF: 169157.7/22

+ sign 1554.521 $\pm$ 0.215 χ^2 /NDF: 848501.9/41

All: 1555.369 $\pm$ 0.151 χ^2 /NDF: 1542601.4/85

- sign 1556.195 $\pm$ 0.213 χ^2 /NDF: 694068.9/43

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 1210.994+/-2209.264 χ^2/NDF : 15.1/17

Left Out: 426.702+/-1819.879 χ^2/NDF : 29.4/23

Right Out: -1215.365+/-2047.847 χ^2/NDF : 24.5/20

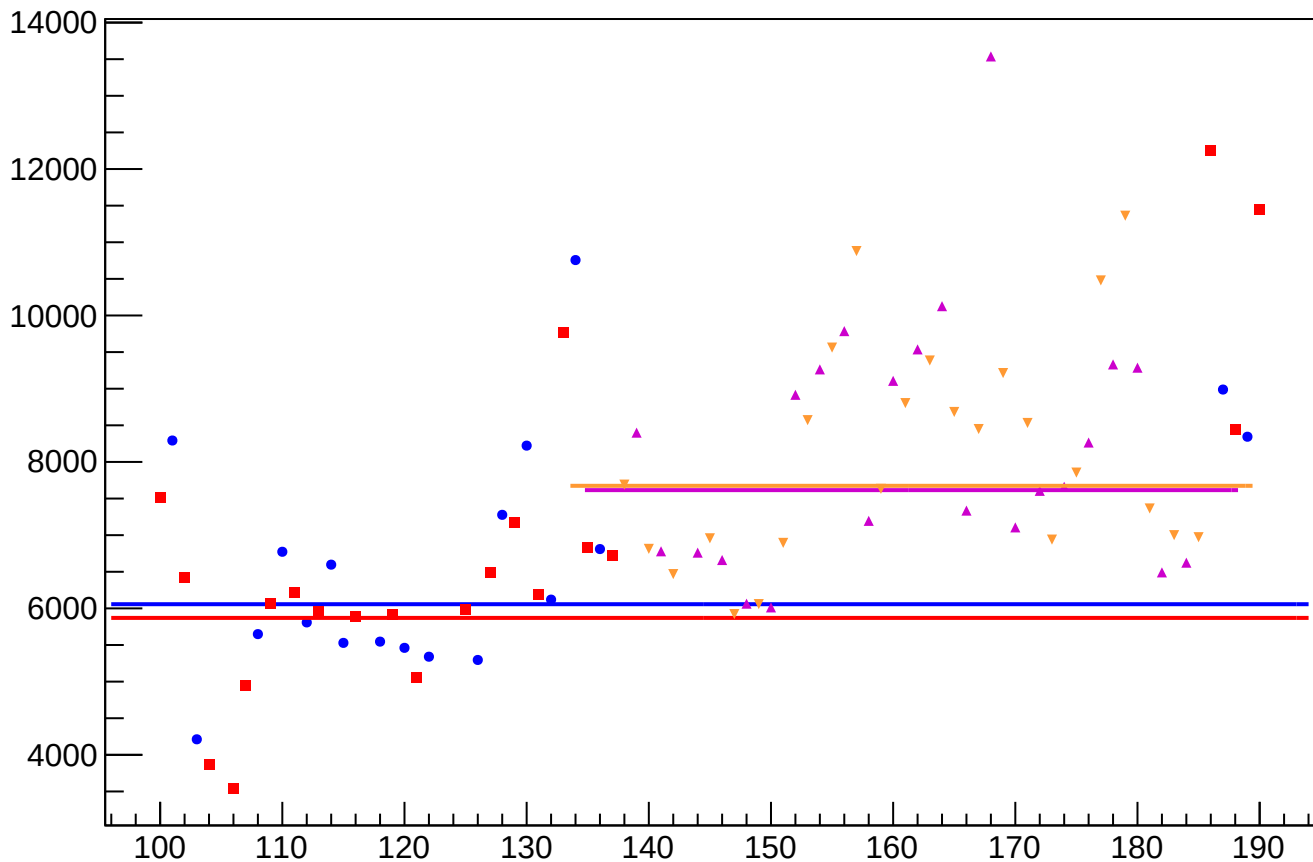
Left In: -126.376+/-1814.828 χ^2/NDF : 13.9/22

+ sign 743.754+/-1404.668 χ^2/NDF : 44.6/41

All: 46.496+/-976.416 χ^2/NDF : 83.6/85

- sign -605.414+/-1358.223 χ^2/NDF : 38.6/43

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 6057.124+/-1.562 χ^2 /NDF: 777368.0/17

Left Out: 7674.063+/-1.287 χ^2 /NDF: 1076712.6/23

Right Out: 5870.094+/-1.448 χ^2 /NDF: 1320859.3/20

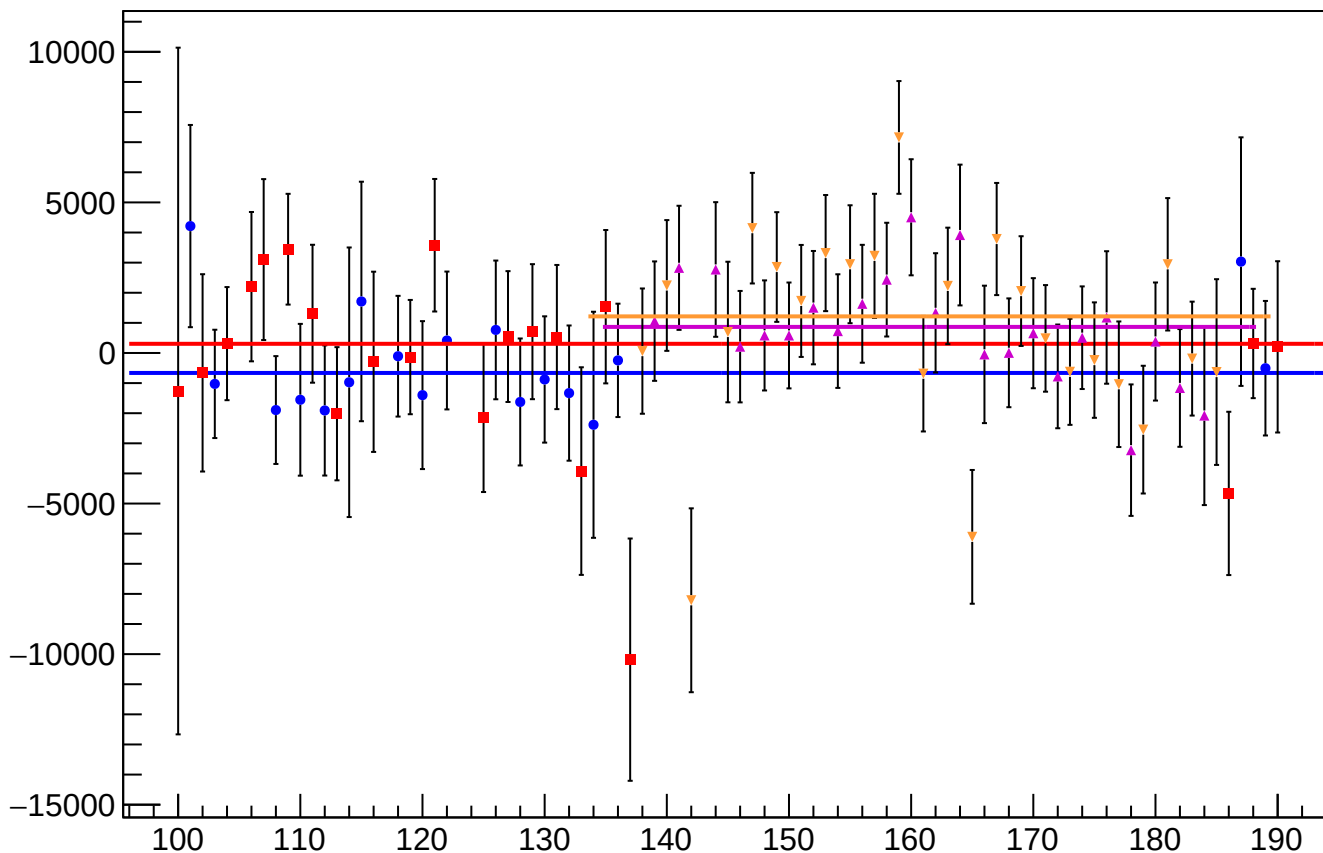
Left In: 7614.964+/-1.283 χ^2 /NDF: 1224525.6/22

+ sign 7020.412+/-0.993 χ^2 /NDF: 2492320.6/41

All: 6931.003+/-0.690 χ^2 /NDF: 5866650.0/85

- sign 6847.408+/-0.960 χ^2 /NDF: 3358650.2/43

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -662.858 ± 554.562 χ^2/NDF : 5.6/17

Left Out: 1215.353 ± 409.584 χ^2/NDF : 48.5/23

Right Out: 304.657 ± 528.038 χ^2/NDF : 21.2/20

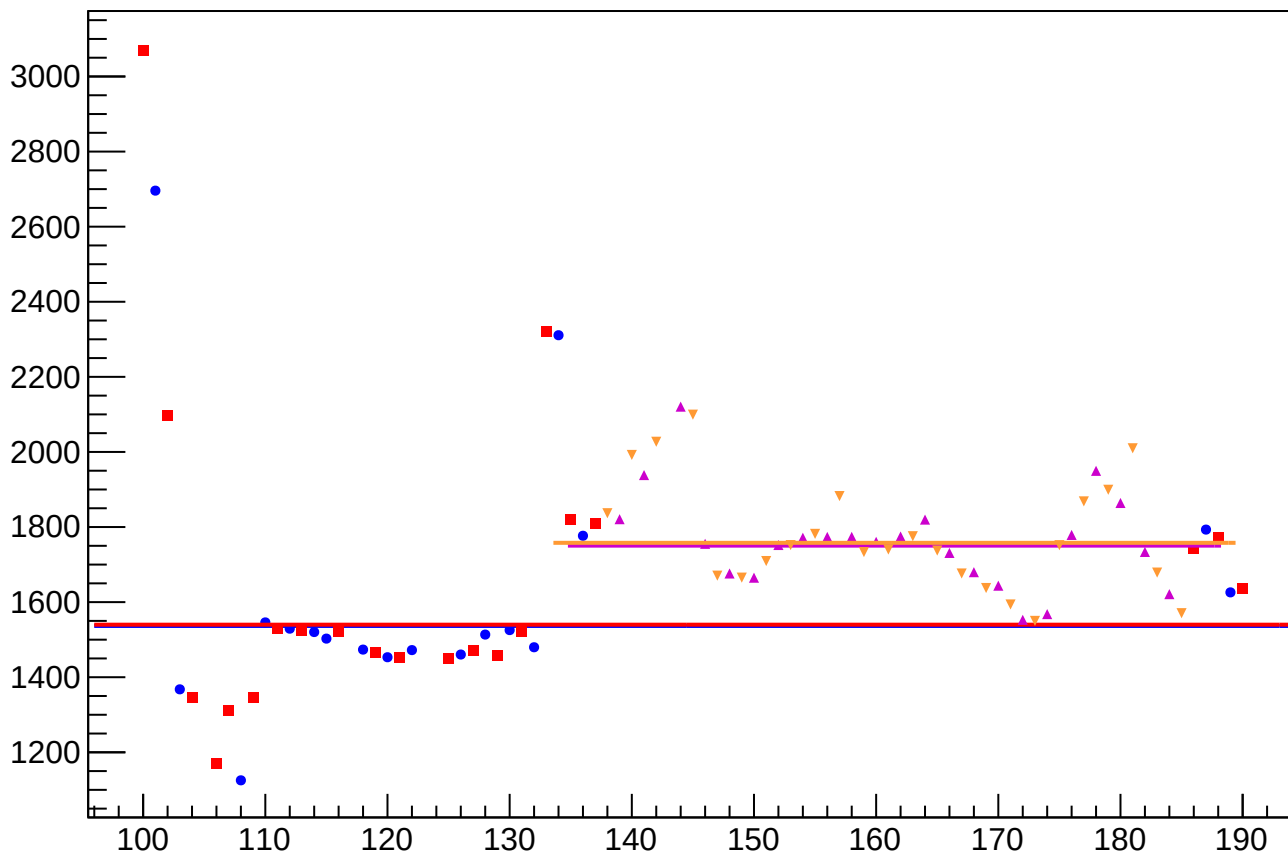
Left In: 866.022 ± 410.038 χ^2/NDF : 15.1/22

+ sign 552.427 ± 329.466 χ^2/NDF : 61.5/41

All: 604.519 ± 230.960 χ^2/NDF : 98.6/85

- sign 654.853 ± 323.860 χ^2/NDF : 37.1/43

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.558 $\pm$ 0.392 χ^2 /NDF: 499992.9/17

Left Out: 1757.965 $\pm$ 0.290 χ^2 /NDF: 213284.1/23

Right Out: 1539.913 $\pm$ 0.373 χ^2 /NDF: 393097.6/20

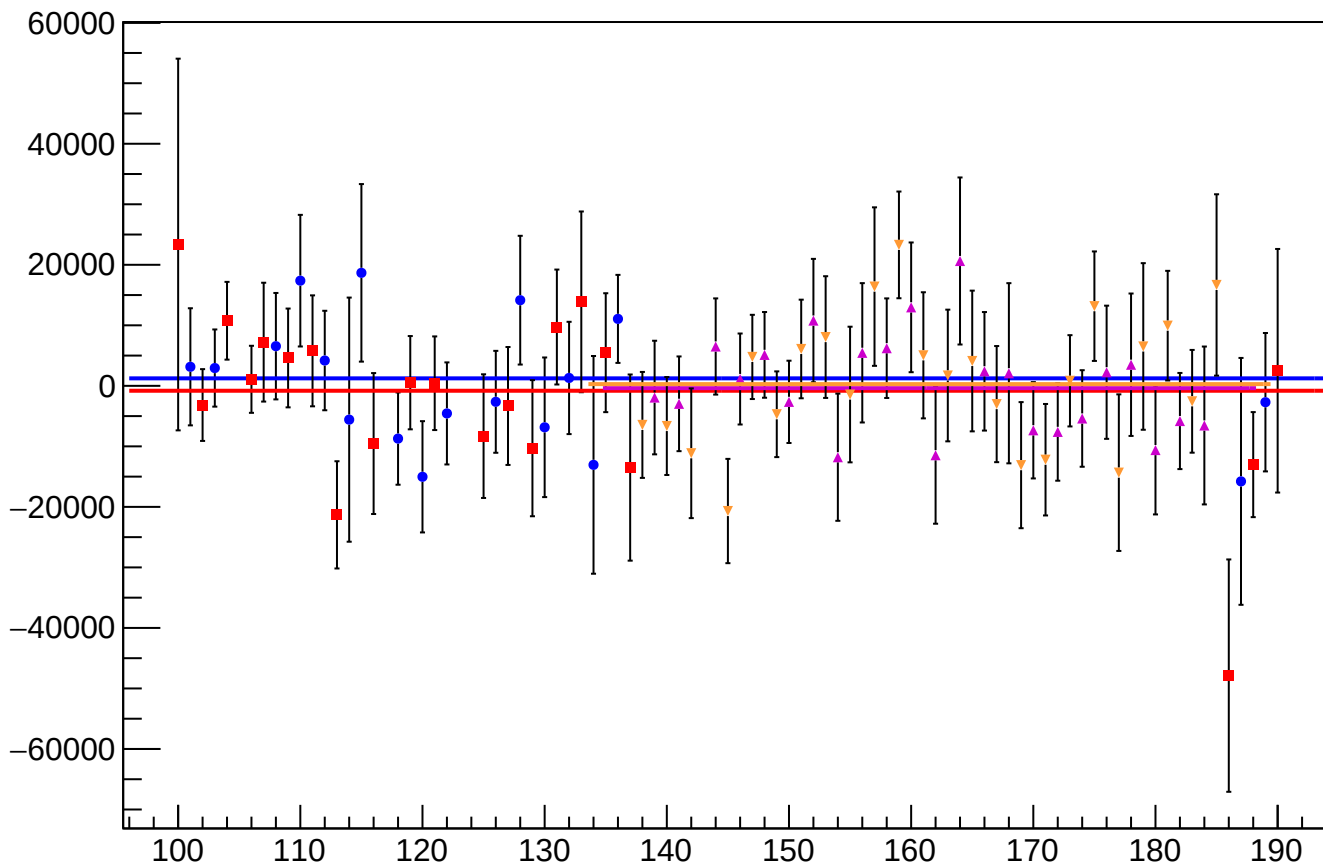
Left In: 1750.477 $\pm$ 0.290 χ^2 /NDF: 171889.4/22

+ sign 1679.818 $\pm$ 0.233 χ^2 /NDF: 919551.8/41

All: 1675.457 $\pm$ 0.163 χ^2 /NDF: 1683684.5/85

- sign 1671.245 $\pm$ 0.229 χ^2 /NDF: 763443.8/43

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug



Right In: 1237.569 $\pm$ 2259.703 χ^2 /NDF: 15.1/17

Left Out: 284.925 $\pm$ 1920.134 χ^2 /NDF: 28.7/23

Right Out: -810.321 $\pm$ 1984.533 χ^2 /NDF: 24.4/20

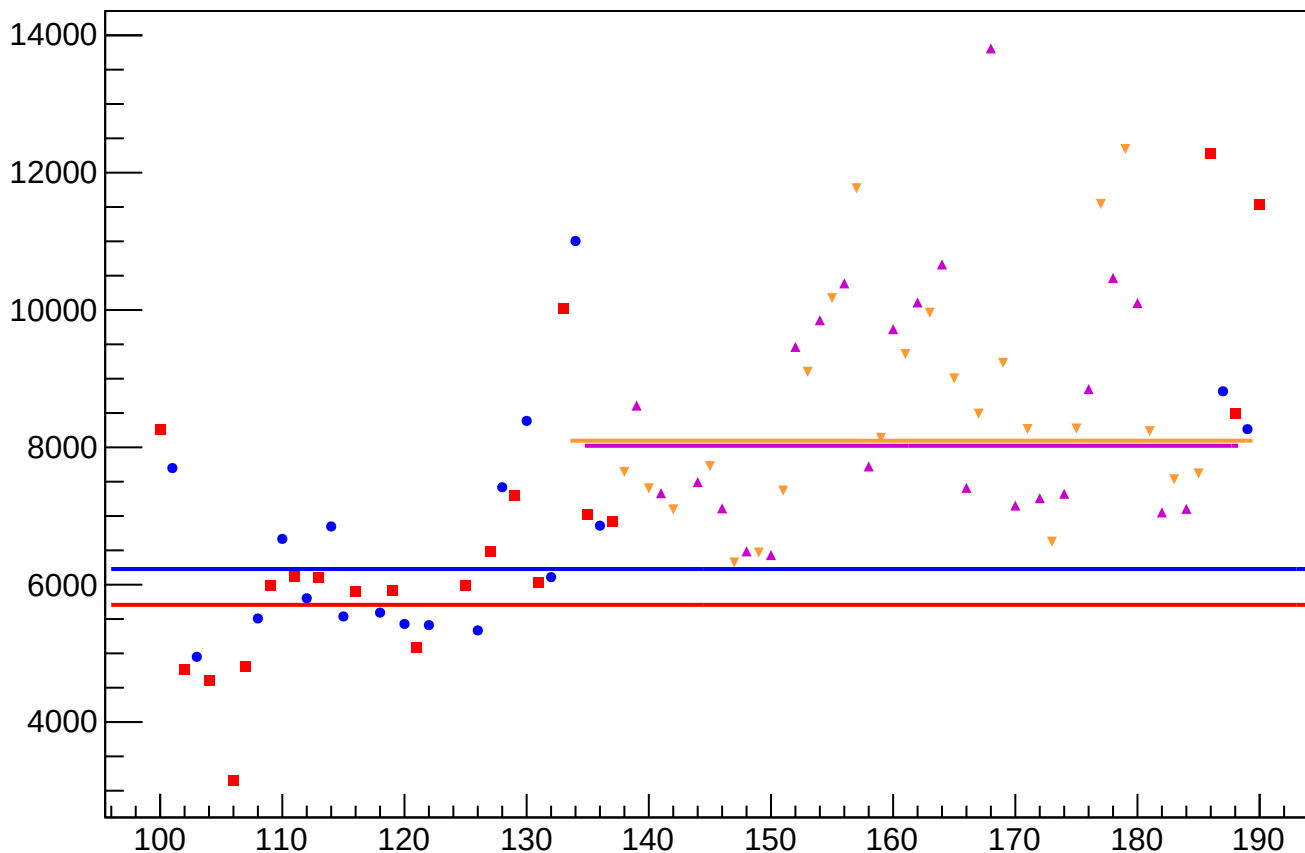
Left In: -382.660 $\pm$ 1912.385 χ^2 /NDF: 13.6/22

+ sign 684.362 $\pm$ 1463.222 χ^2 /NDF: 43.9/41

All: 9.313 $\pm$ 1002.806 χ^2 /NDF: 82.2/85

- sign -588.576 $\pm$ 1377.060 χ^2 /NDF: 38.0/43

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6228.367+/-1.598 χ^2/NDF : 572427.6/17

Left Out: 8096.821+/-1.358 χ^2/NDF : 1087790.8/23

Right Out: 5706.559+/-1.403 χ^2/NDF : 1471611.4/20

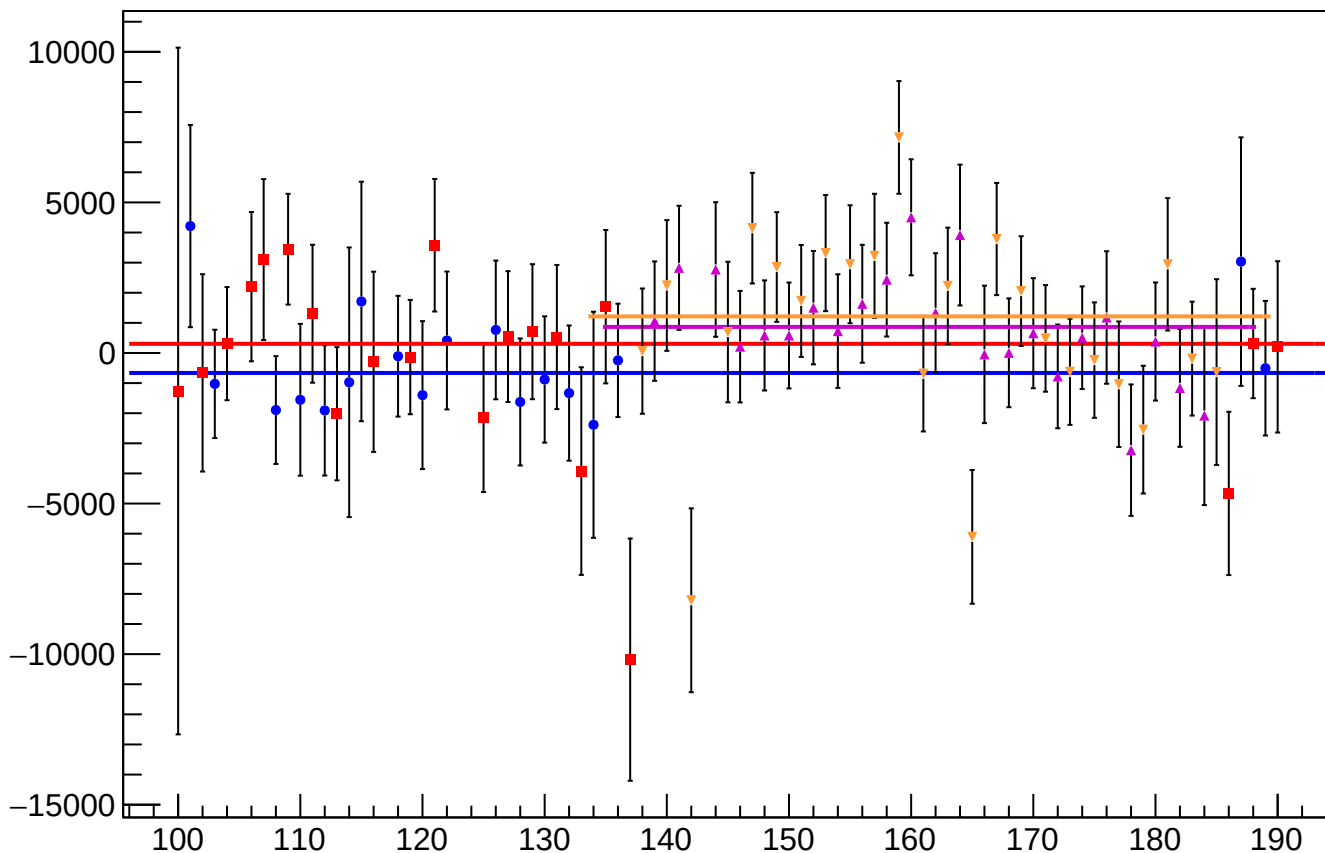
Left In: 8022.726+/-1.352 χ^2/NDF : 1225549.2/22

+ sign 7313.391+/-1.035 χ^2/NDF : 2454270.6/41

All: 7098.149+/-0.709 χ^2/NDF : 6645604.8/85

- sign 6907.509+/-0.974 χ^2/NDF : 4109725.4/43

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -662.862+/-554.562 χ^2/NDF : 5.6/17

Left Out: 1215.361+/-409.585 χ^2/NDF :48.5/23

Right Out: 304.667+/-528.038 χ^2/NDF : 21.2/20

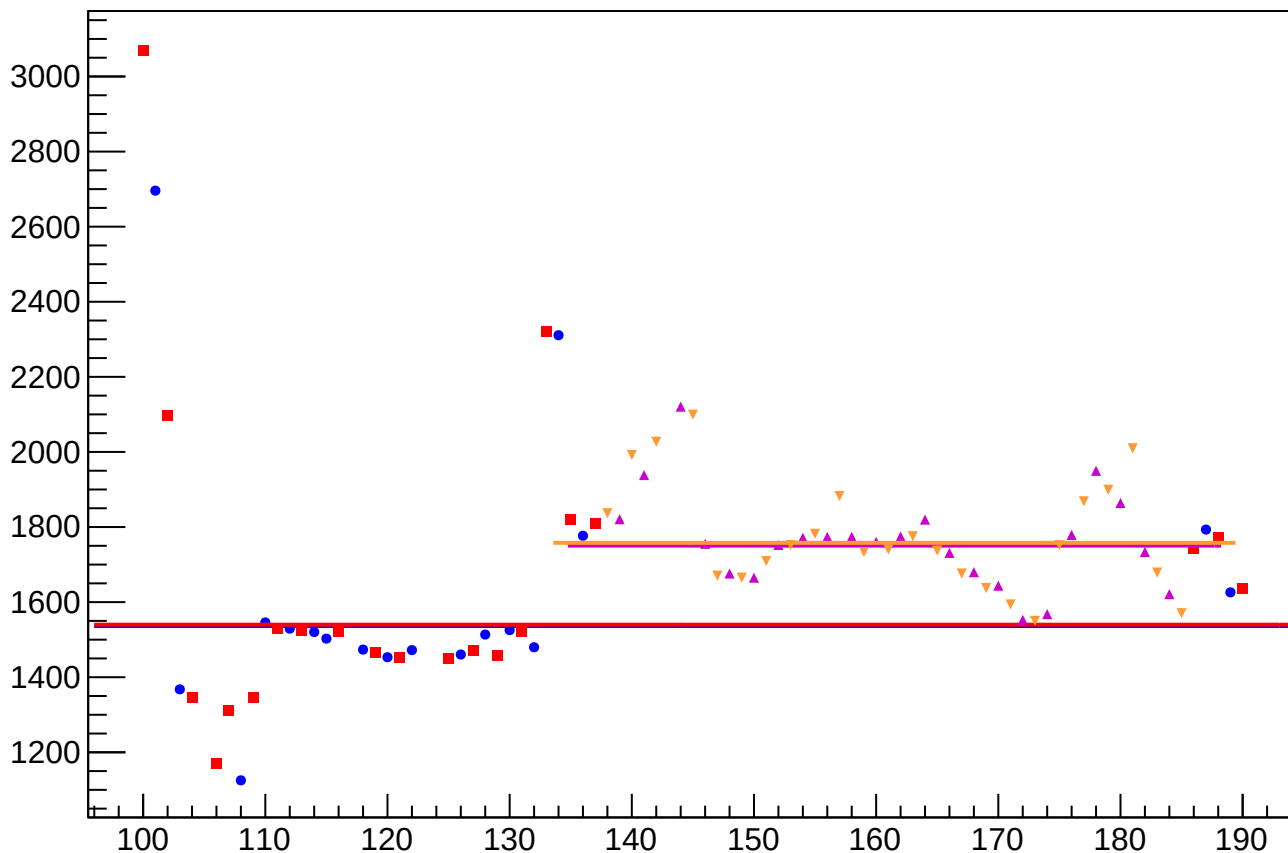
Left In: 866.021+/-410.039 χ^2/NDF :15.1/22

+ sign 552.429+/-329.466 χ^2/NDF : 61.5/41

All: 604.521+/-230.960 χ^2/NDF : 98.6/85

- sign 654.855+/-323.860 χ^2/NDF : 37.1/43

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.558+/-0.392 χ^2/NDF : 499992.1/17

Left Out: 1757.968+/-0.290 χ^2/NDF : 213292.2/23

Right Out: 1539.913+/-0.373 χ^2/NDF : 393097.6/20

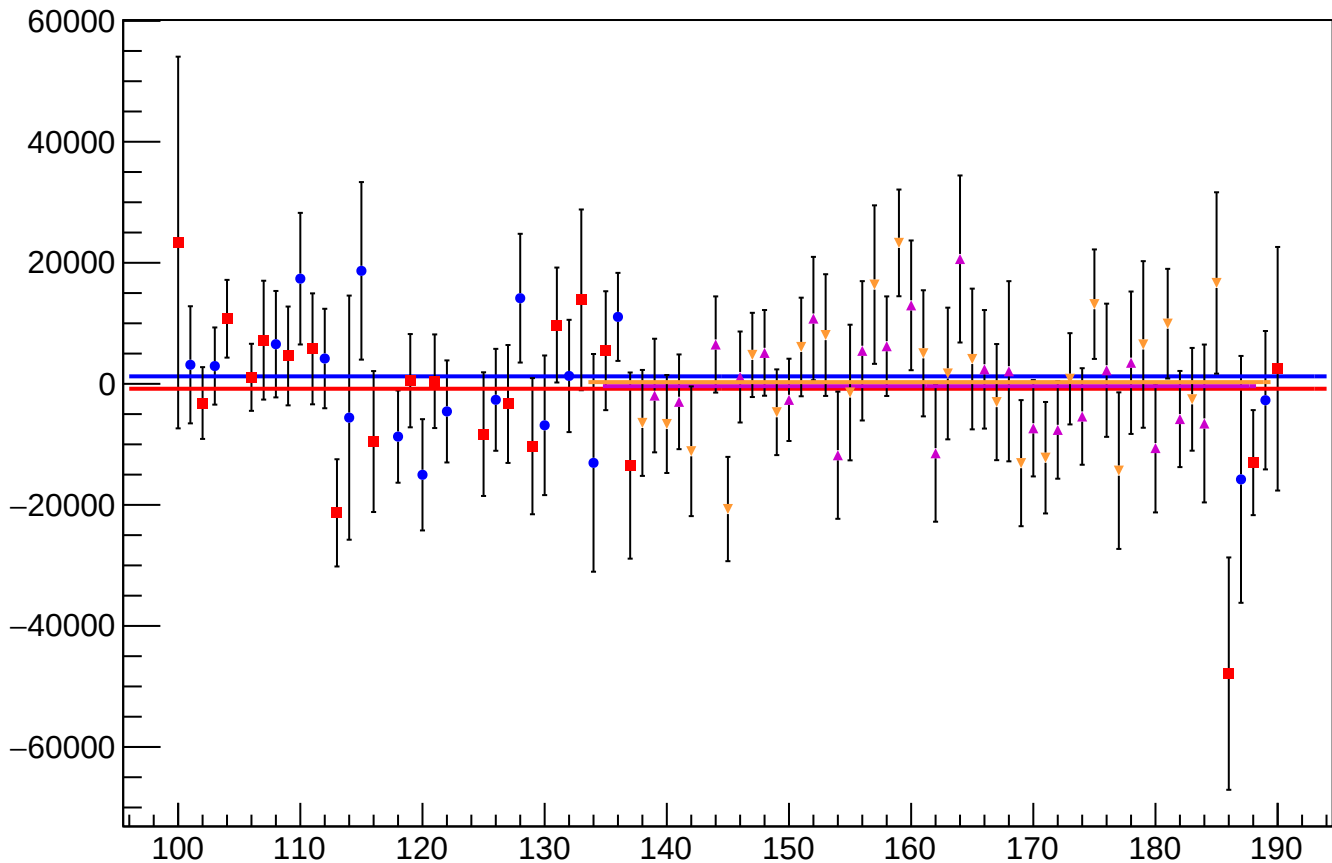
Left In: 1750.480+/-0.290 χ^2/NDF : 171897.3/22

+ sign 1679.820+/-0.233 χ^2/NDF : 919564.6/41

All: 1675.459+/-0.163 χ^2/NDF : 1683710.2/85

- sign 1671.246+/-0.229 χ^2/NDF : 763456.8/43

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 1237.552 $\pm$ 2259.699 χ^2 /NDF: 15.1/17

Left Out: 284.927 $\pm$ 1920.138 χ^2 /NDF:28.7/23

Right Out: -810.310 $\pm$ 1984.529 χ^2 /NDF: 24.4/20

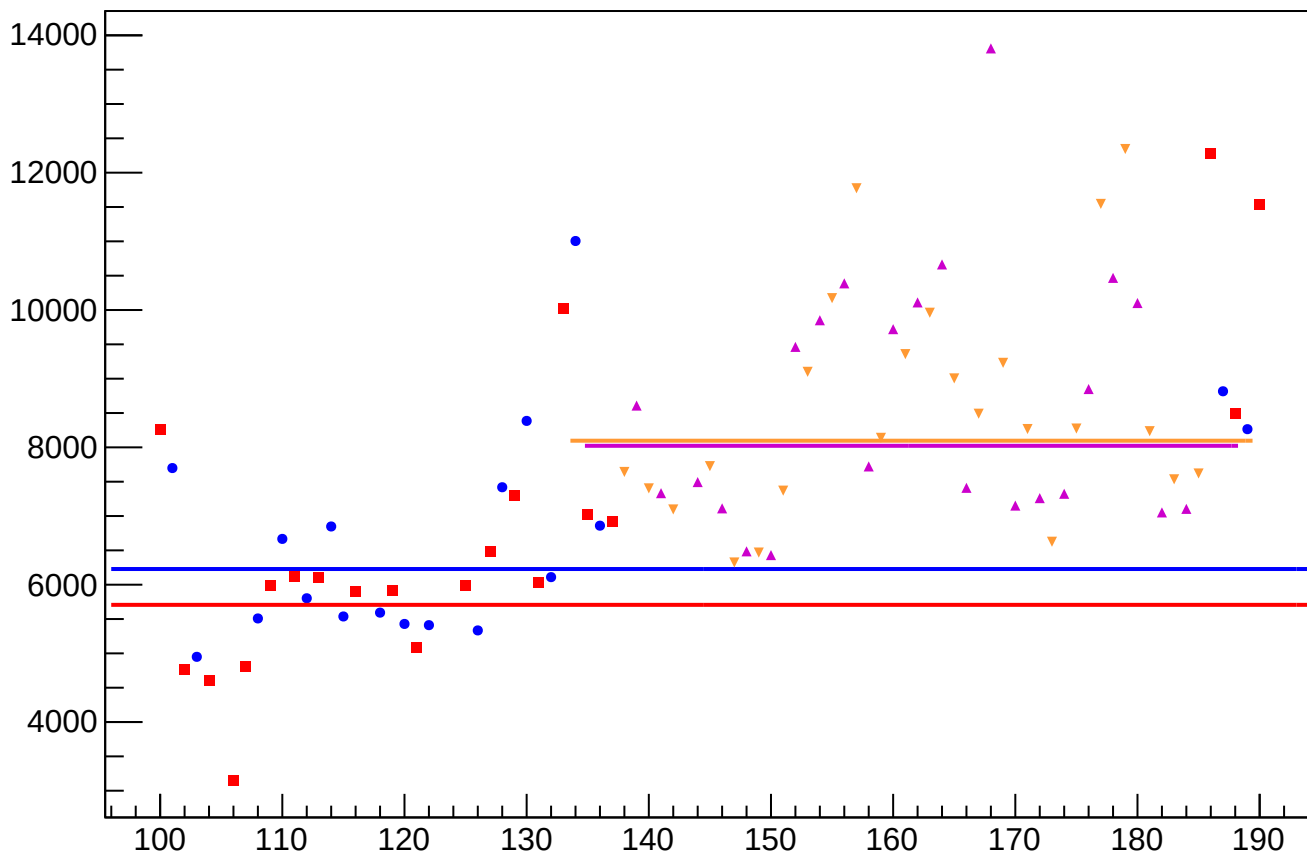
Left In: -382.663 $\pm$ 1912.388 χ^2 /NDF:13.6/22

+ sign 684.357 $\pm$ 1463.222 χ^2 /NDF: 43.9/41

All: 9.312 $\pm$ 1002.806 χ^2 /NDF: 82.2/85

- sign -588.573 $\pm$ 1377.060 χ^2 /NDF: 38.0/43

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 6228.354+/-1.598 χ^2/NDF : 572431.9/17

Left Out: 8096.833+/-1.358 χ^2/NDF : 1087793.4/23

Right Out: 5706.548+/-1.403 χ^2/NDF : 1471614.8/20

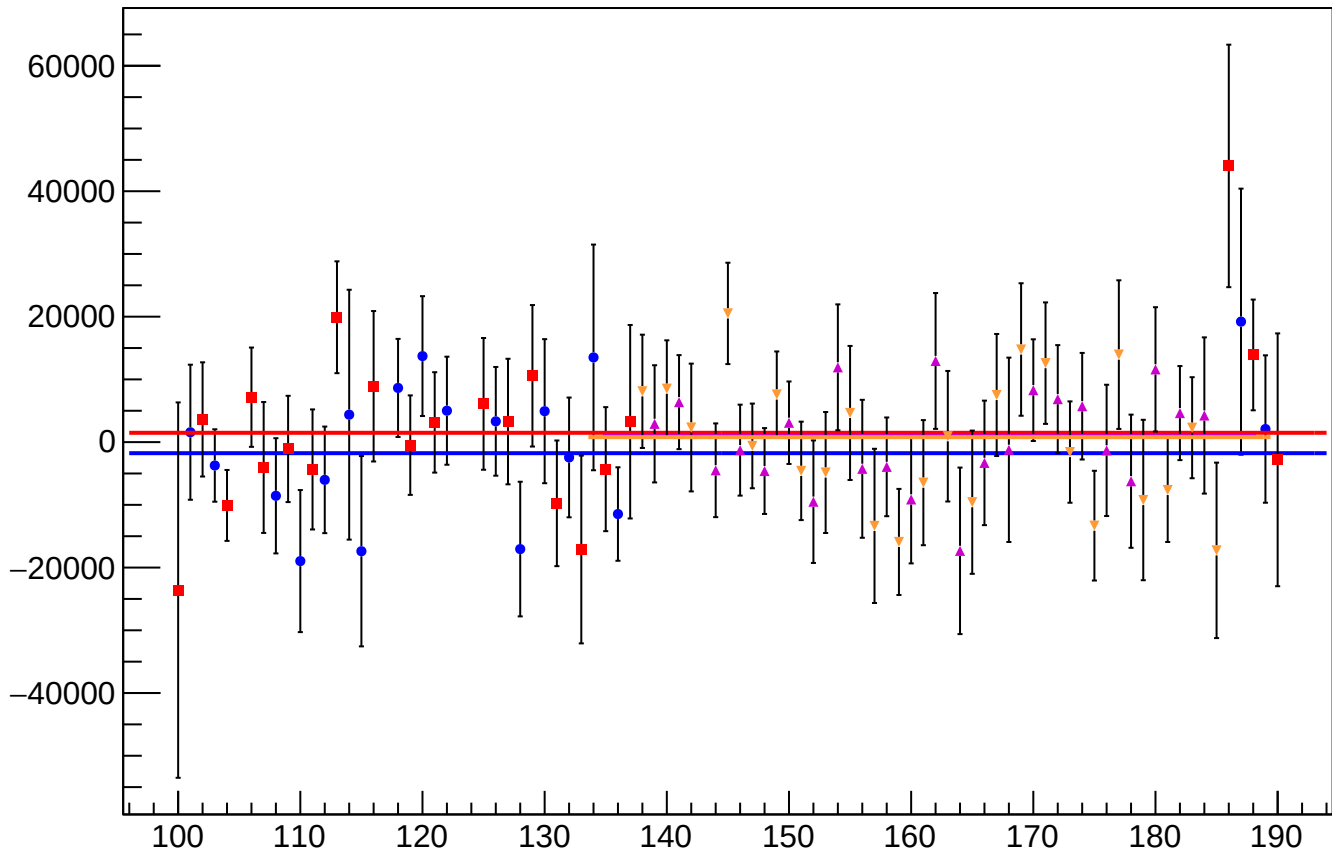
Left In: 8022.738+/-1.352 χ^2/NDF : 1225553.6/22

+ sign 7313.390+/-1.035 χ^2/NDF : 2454299.7/41

All: 7098.147+/-0.709 χ^2/NDF : 6645670.9/85

- sign 6907.506+/-0.974 χ^2/NDF : 4109761.7/43

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -1763.322 ± 2288.712 χ^2/NDF : 15.7/17

Left Out: 791.264 ± 1865.111 χ^2/NDF : 27.2/23

Right Out: 1487.797 ± 2135.589 χ^2/NDF : 21.9/20

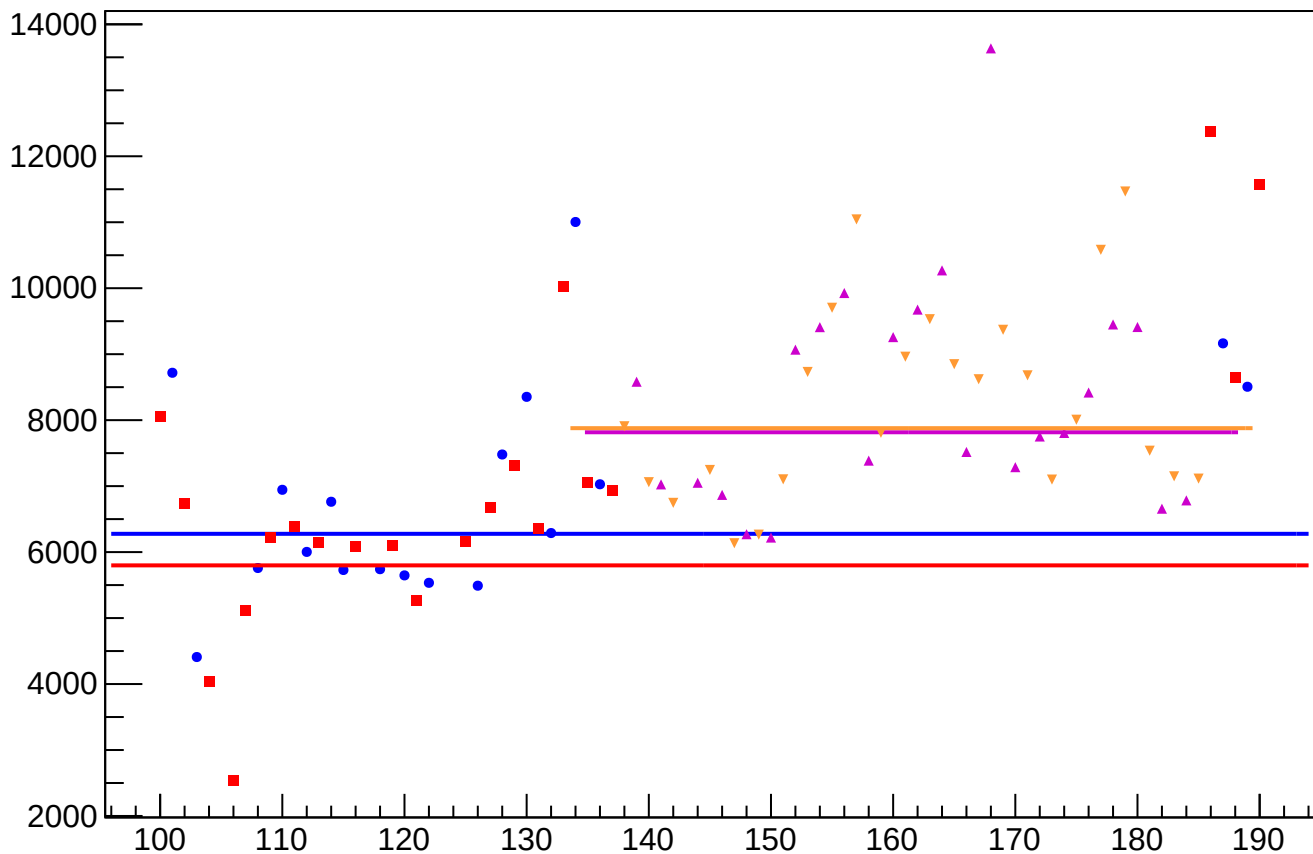
Left In: 963.967 ± 1859.926 χ^2/NDF : 12.8/22

+ sign -228.197 ± 1445.827 χ^2/NDF : 43.6/41

All: 502.389 ± 1006.712 χ^2/NDF : 78.8/85

- sign 1189.913 ± 1402.569 χ^2/NDF : 34.7/43

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6277.068+/-1.618 χ^2/NDF : 738701.1/17

Left Out: 7878.482+/-1.319 χ^2/NDF : 990058.5/23

Right Out: 5798.681+/-1.460 χ^2/NDF : 1794775.2/20

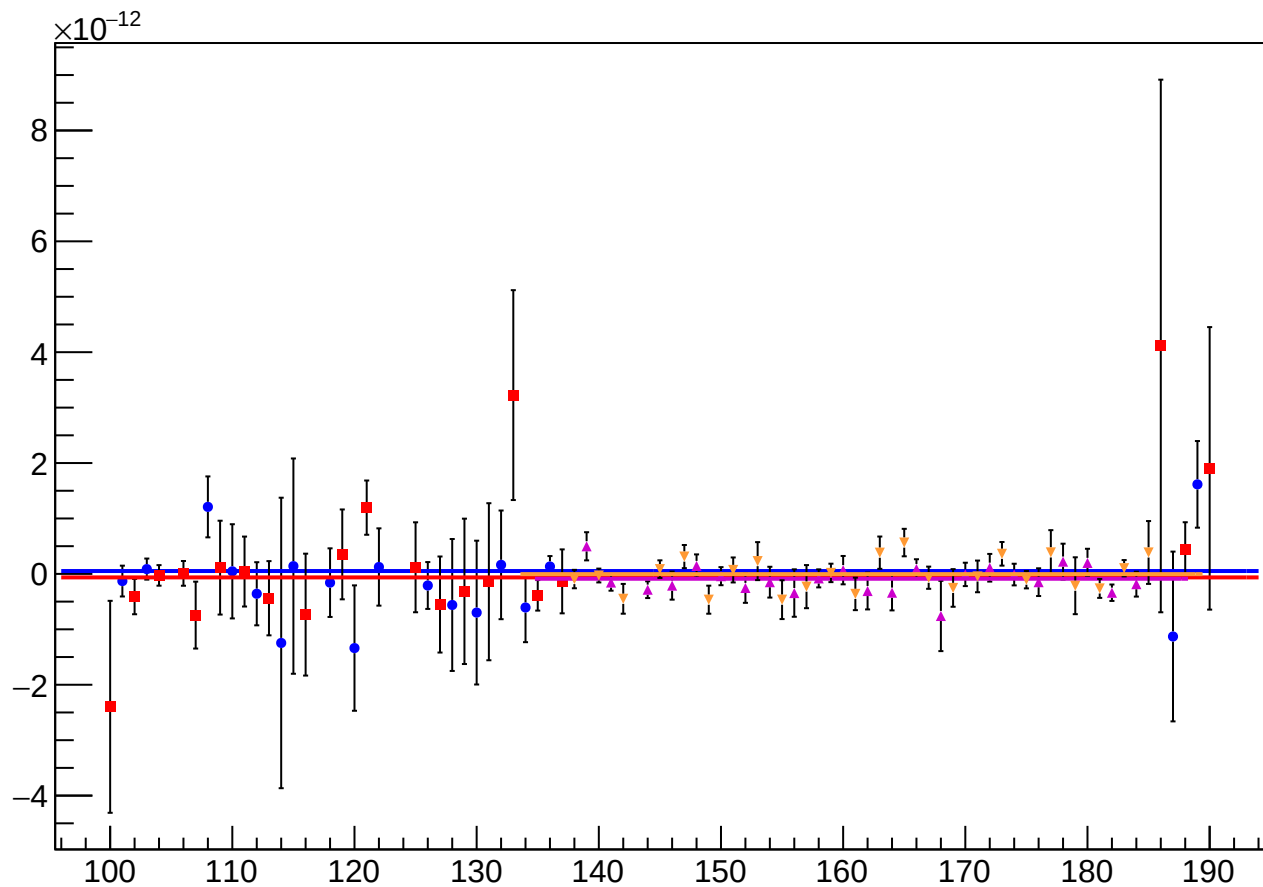
Left In: 7816.447+/-1.315 χ^2/NDF : 1132368.2/22

+ sign 7239.400+/-1.022 χ^2/NDF : 2317171.0/41

All: 7068.646+/-0.706 χ^2/NDF : 6352045.1/85

- sign 6912.643+/-0.977 χ^2/NDF : 3981492.0/43

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 14.2/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 28.6/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.9/20

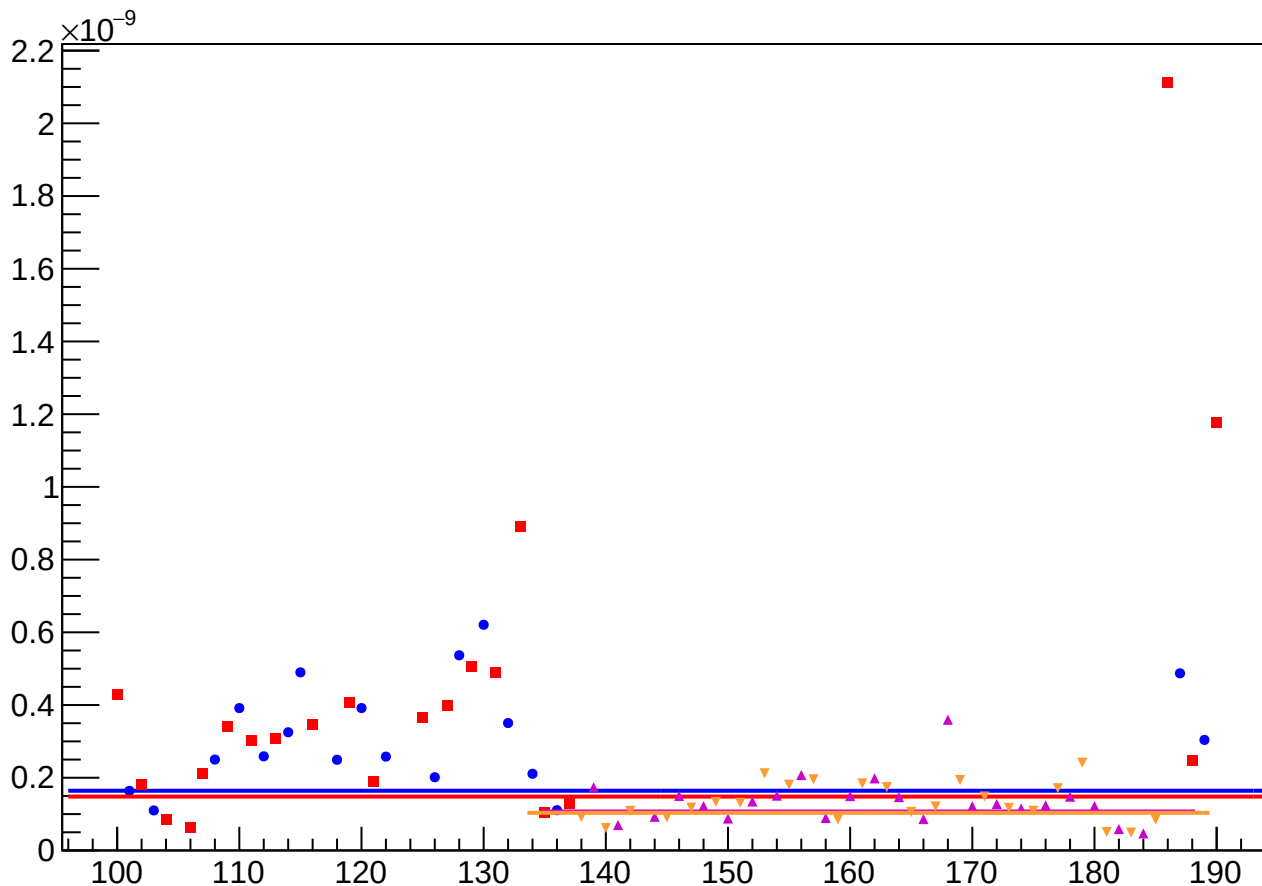
Left In: -0.000 ± 0.000 χ^2/NDF : 19.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 43.0/41

All: -0.000 ± 0.000 χ^2/NDF : 83.7/85

- sign -0.000 ± 0.000 χ^2/NDF : 38.3/43

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1485428.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF : 2914339.4/20

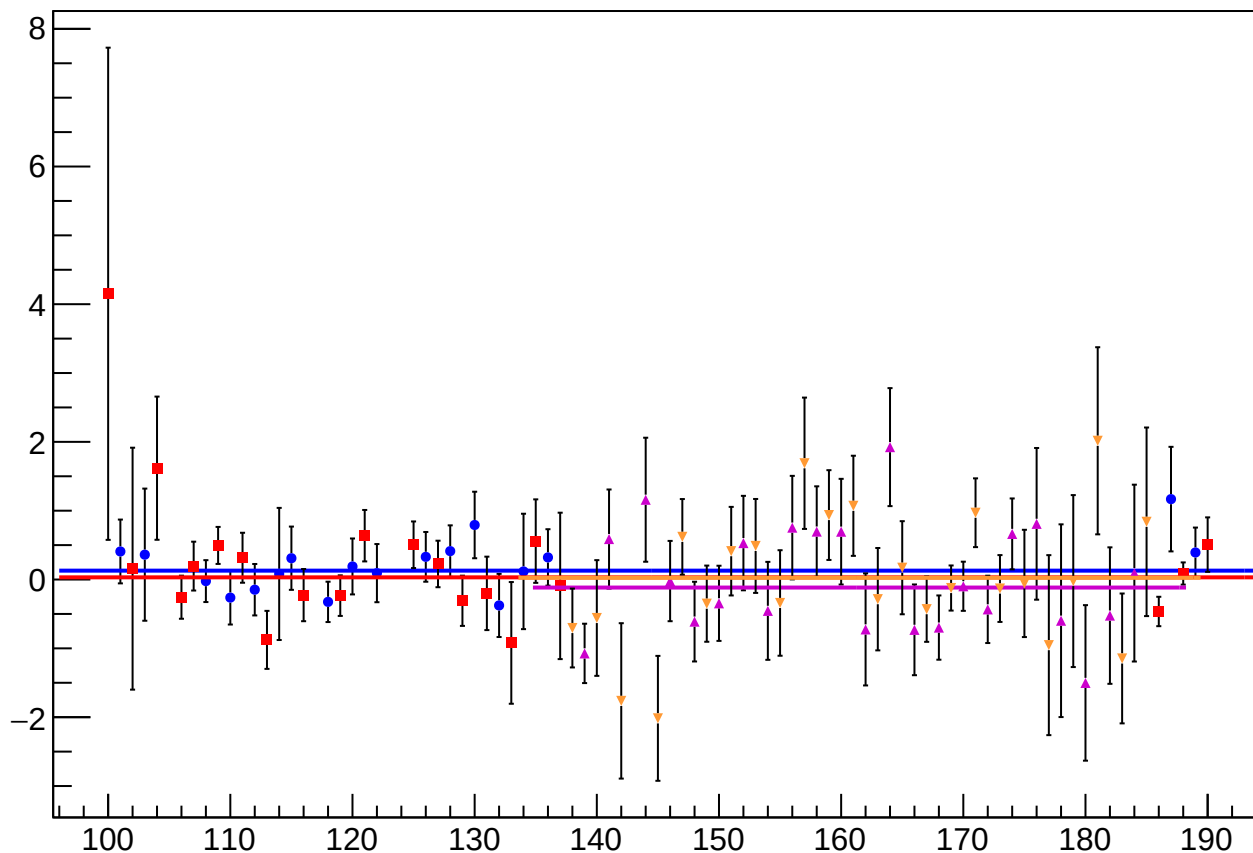
Left In: 0.000+/-0.000 χ^2/NDF : 1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 3982663.3/41

All: 0.000+/-0.000 χ^2/NDF : 8770877.9/85

- sign 0.000+/-0.000 χ^2/NDF : 4787497.7/43

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.129 ± 0.100 $\chi^2/\text{NDF}: 11.4/17$

Left Out: 0.025 ± 0.134 $\chi^2/\text{NDF}: 29.1/23$

Right Out: 0.032 ± 0.076 $\chi^2/\text{NDF}: 29.1/20$

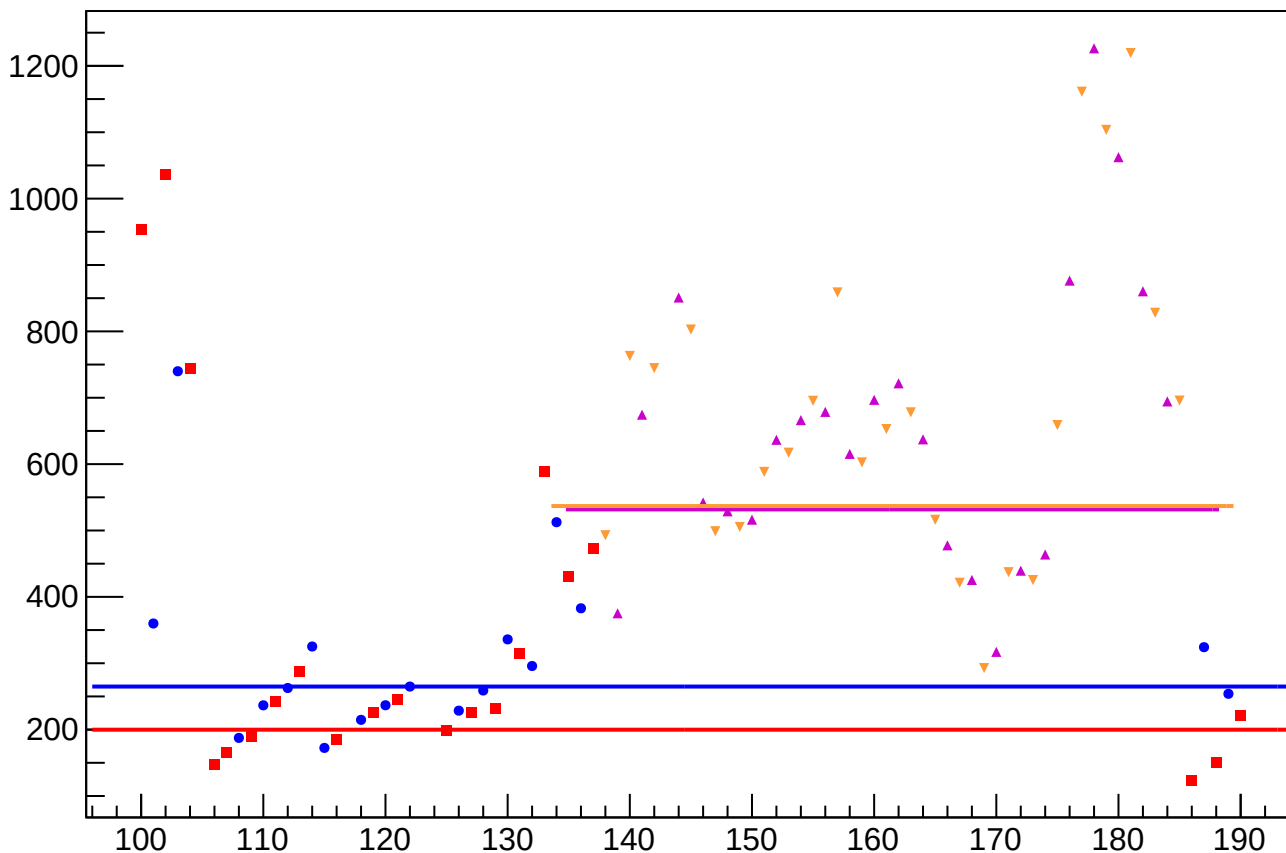
Left In: -0.117 ± 0.132 $\chi^2/\text{NDF}: 27.8/22$

+ sign 0.092 ± 0.080 $\chi^2/\text{NDF}: 40.9/41$

All: 0.034 ± 0.051 $\chi^2/\text{NDF}: 99.6/85$

- sign -0.005 ± 0.066 $\chi^2/\text{NDF}: 57.8/43$

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 264.882 $\pm$ 0.071 χ^2/NDF : 1298041.6/17

Left Out: 536.821 $\pm$ 0.095 χ^2/NDF : 3963242.1/23

Right Out: 199.888 $\pm$ 0.054 χ^2/NDF : 2710866.8/20

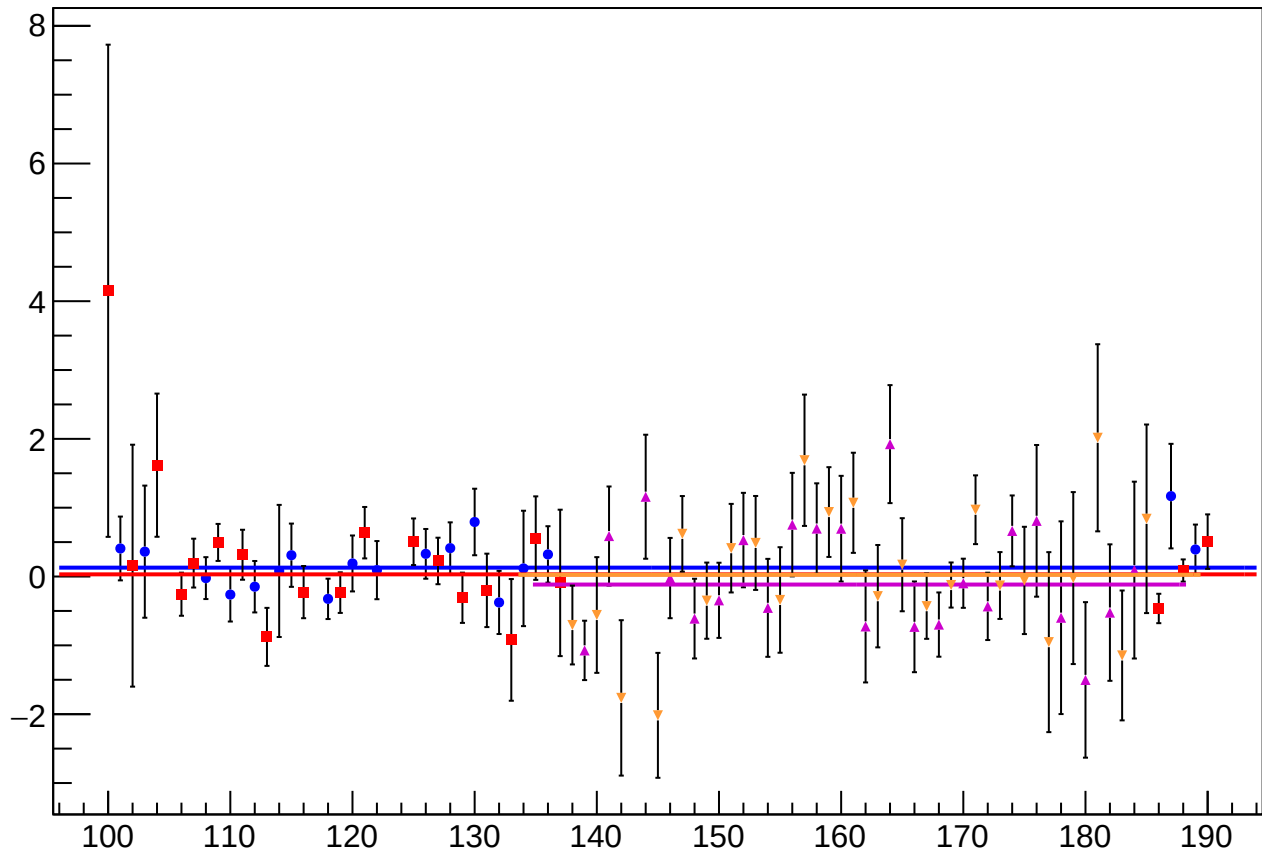
Left In: 531.769 $\pm$ 0.094 χ^2/NDF : 3381209.0/22

+ sign 362.223 $\pm$ 0.057 χ^2/NDF : 10552091.2/41

All: 314.652 $\pm$ 0.036 χ^2/NDF : 27261552.5/85

- sign 282.364 $\pm$ 0.047 χ^2/NDF : 15526810.0/43

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.129 ± 0.100 χ^2/NDF : 11.4/17

Left Out: 0.025 ± 0.134 χ^2/NDF : 29.1/23

Right Out: 0.032 ± 0.076 χ^2/NDF : 29.1/20

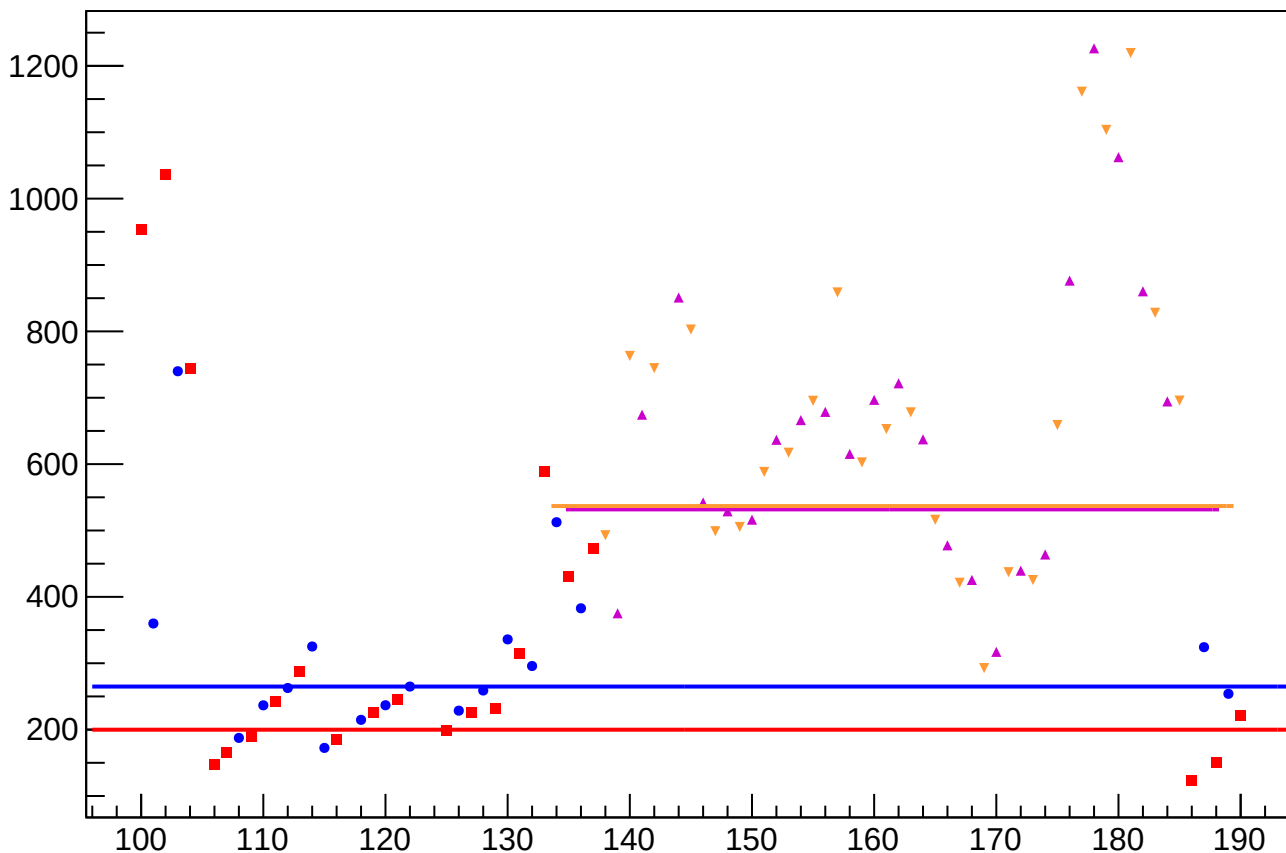
Left In: -0.117 ± 0.132 χ^2/NDF : 27.8/22

+ sign 0.092 ± 0.080 χ^2/NDF : 40.9/41

All: 0.034 ± 0.051 χ^2/NDF : 99.6/85

- sign -0.005 ± 0.066 χ^2/NDF : 57.8/43

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.882 $\pm$ 0.071 χ^2/NDF : 1298041.6/17

Left Out: 536.821 $\pm$ 0.095 χ^2/NDF : 3963242.1/23

Right Out: 199.888 $\pm$ 0.054 χ^2/NDF : 2710866.8/20

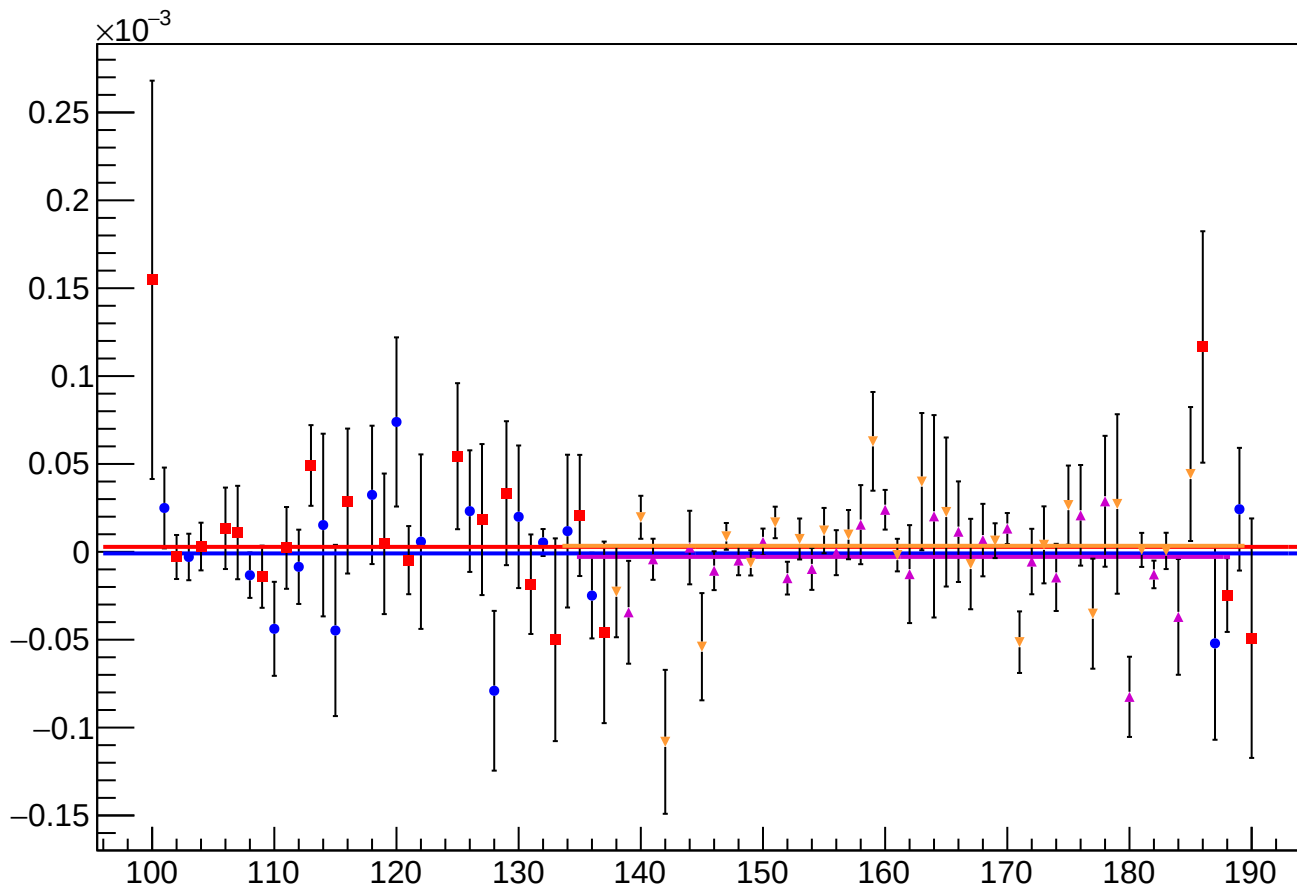
Left In: 531.769 $\pm$ 0.094 χ^2/NDF : 3381209.0/22

+ sign 362.223 $\pm$ 0.057 χ^2/NDF : 10552091.2/41

All: 314.652 $\pm$ 0.036 χ^2/NDF : 27261552.5/85

- sign 282.364 $\pm$ 0.047 χ^2/NDF : 15526810.0/43

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 15.8/17$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 39.1/23$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 17.9/20$

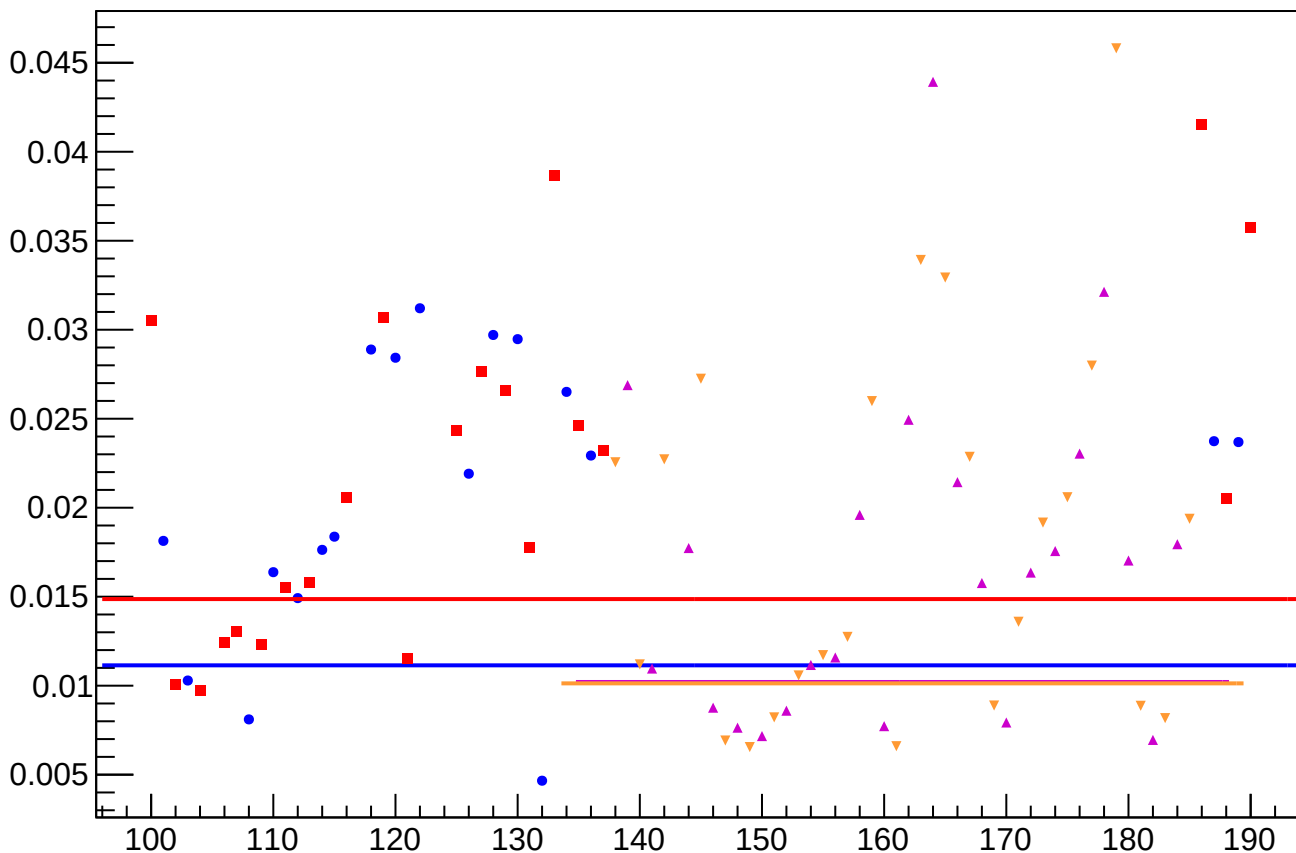
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 32.2/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 55.4/41$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 107.8/85$

- sign -0.000 ± 0.000 $\chi^2/\text{NDF}: 51.0/43$

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 4954036.0/17

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 7812047.6/23

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 2783086.6/20

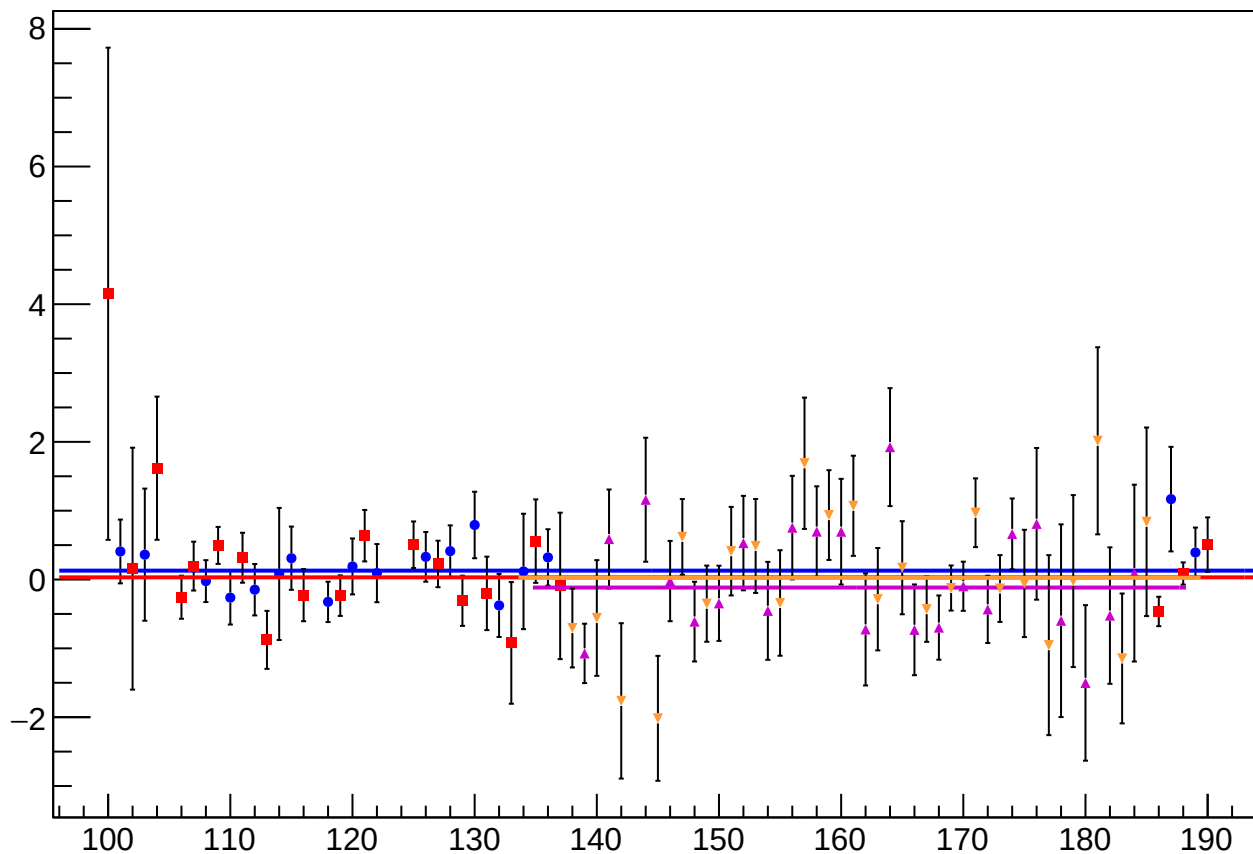
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 6075883.8/22

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 12831361.1/41

All: 0.011 $\pm$ 0.000 χ^2/NDF : 22940847.1/85

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 10006082.4/43

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.129 ± 0.100 $\chi^2/\text{NDF}: 11.4/17$

Left Out: 0.025 ± 0.134 $\chi^2/\text{NDF}: 29.1/23$

Right Out: 0.032 ± 0.076 $\chi^2/\text{NDF}: 29.1/20$

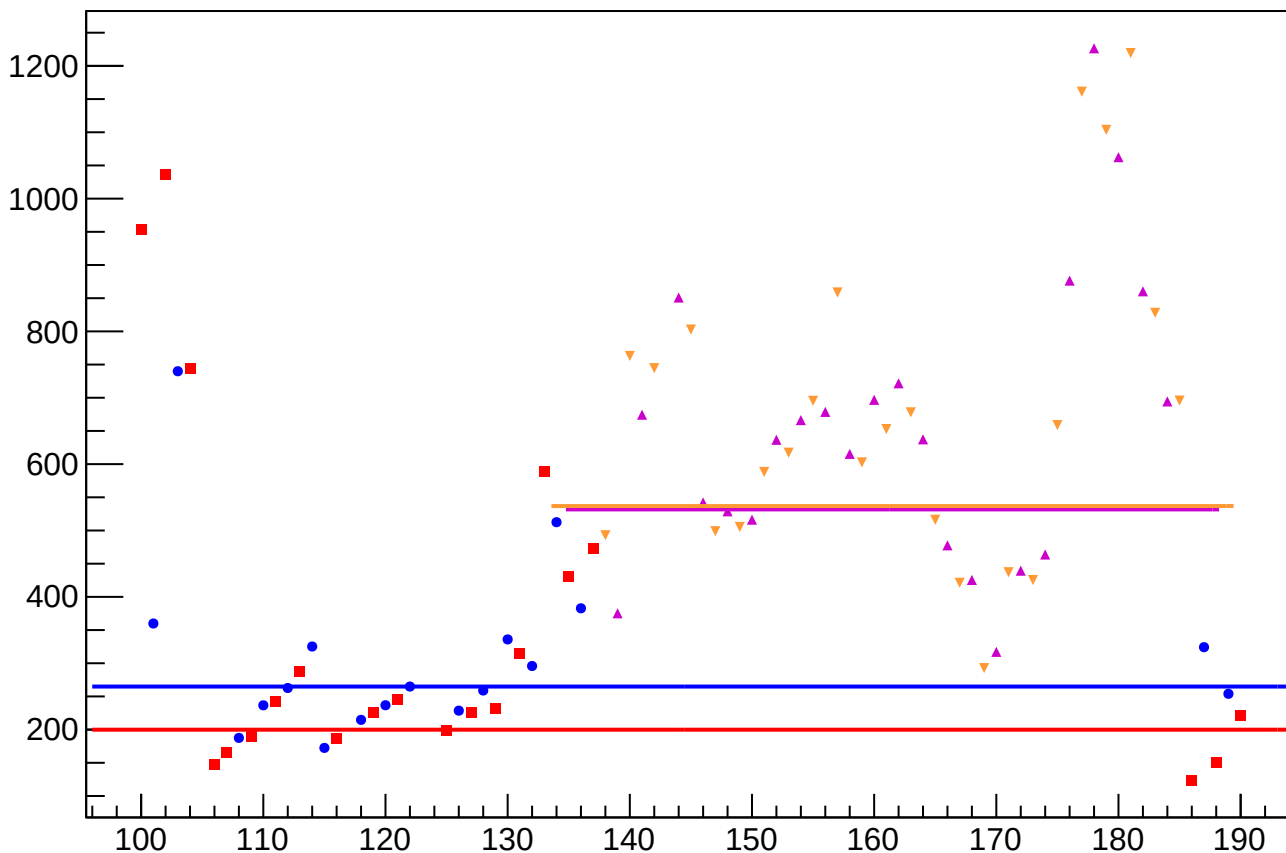
Left In: -0.117 ± 0.132 $\chi^2/\text{NDF}: 27.8/22$

+ sign 0.092 ± 0.080 $\chi^2/\text{NDF}: 40.9/41$

All: 0.034 ± 0.051 $\chi^2/\text{NDF}: 99.6/85$

- sign -0.005 ± 0.066 $\chi^2/\text{NDF}: 57.8/43$

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 264.880 $\pm$ 0.071 χ^2/NDF : 1298015.1/17

Left Out: 536.822 $\pm$ 0.095 χ^2/NDF : 3963422.5/23

Right Out: 199.886 $\pm$ 0.054 χ^2/NDF : 2710926.7/20

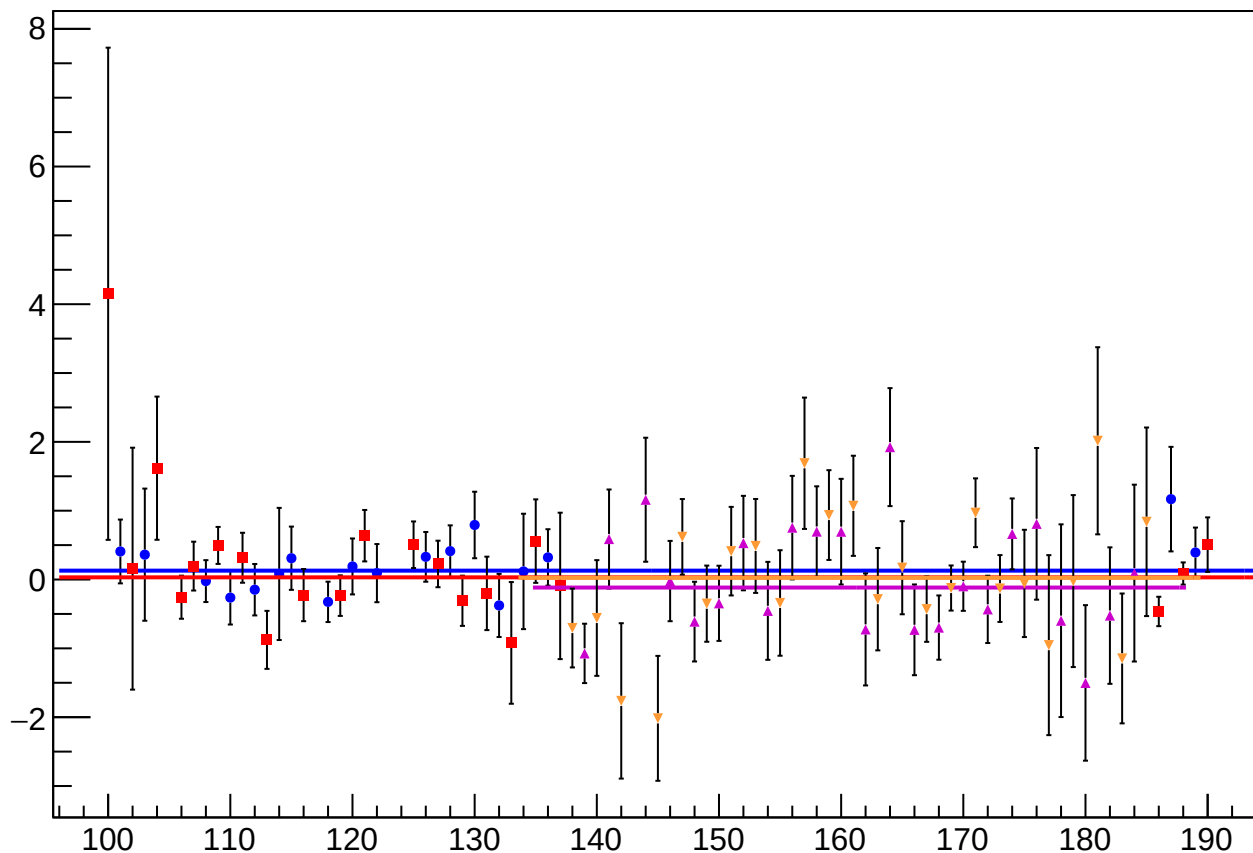
Left In: 531.773 $\pm$ 0.094 χ^2/NDF : 3381293.8/22

+ sign 362.221 $\pm$ 0.057 χ^2/NDF : 10552335.6/41

All: 314.649 $\pm$ 0.036 χ^2/NDF : 27262241.8/85

- sign 282.361 $\pm$ 0.047 χ^2/NDF : 15527217.6/43

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.129 ± 0.100 $\chi^2/\text{NDF}: 11.4/17$

Left Out: 0.025 ± 0.134 $\chi^2/\text{NDF}: 29.1/23$

Right Out: 0.032 ± 0.076 $\chi^2/\text{NDF}: 29.1/20$

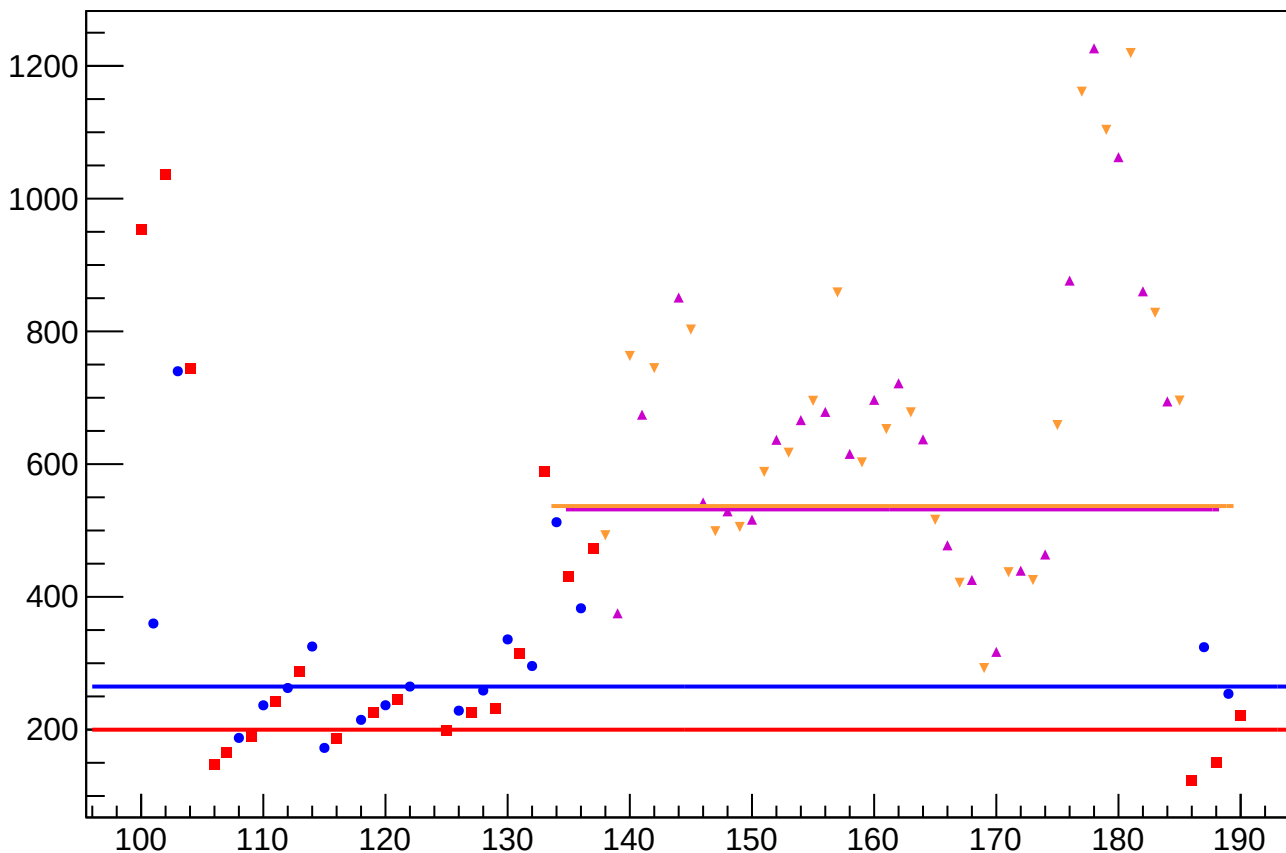
Left In: -0.117 ± 0.132 $\chi^2/\text{NDF}: 27.8/22$

+ sign 0.092 ± 0.080 $\chi^2/\text{NDF}: 40.9/41$

All: 0.034 ± 0.051 $\chi^2/\text{NDF}: 99.6/85$

- sign -0.005 ± 0.066 $\chi^2/\text{NDF}: 57.8/43$

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 264.880 $\pm$ 0.071 χ^2 /NDF: 1298015.1/17

Left Out: 536.822 $\pm$ 0.095 χ^2 /NDF: 3963422.5/23

Right Out: 199.886 $\pm$ 0.054 χ^2 /NDF: 2710926.7/20

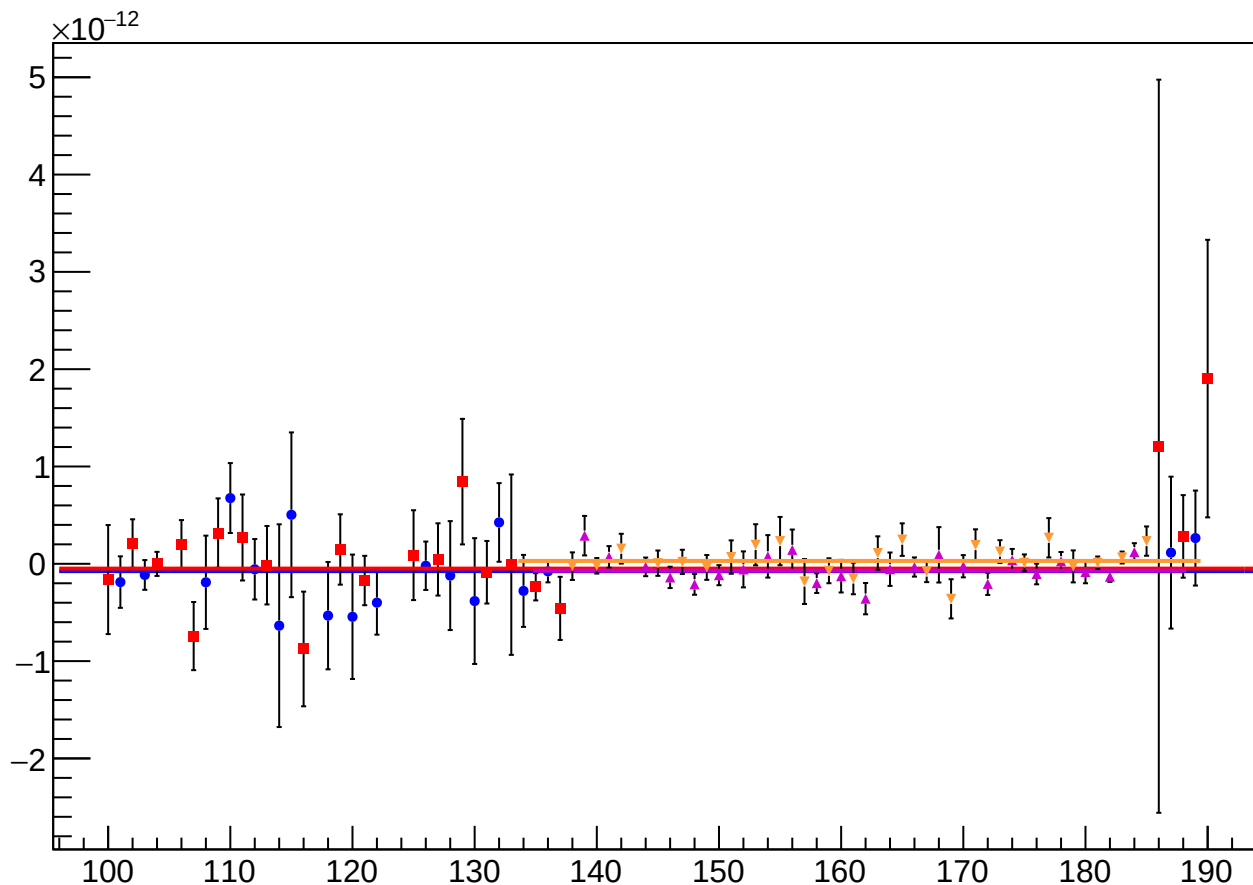
Left In: 531.773 $\pm$ 0.094 χ^2 /NDF: 3381293.8/22

+ sign 362.221 $\pm$ 0.057 χ^2 /NDF: 10552335.6/41

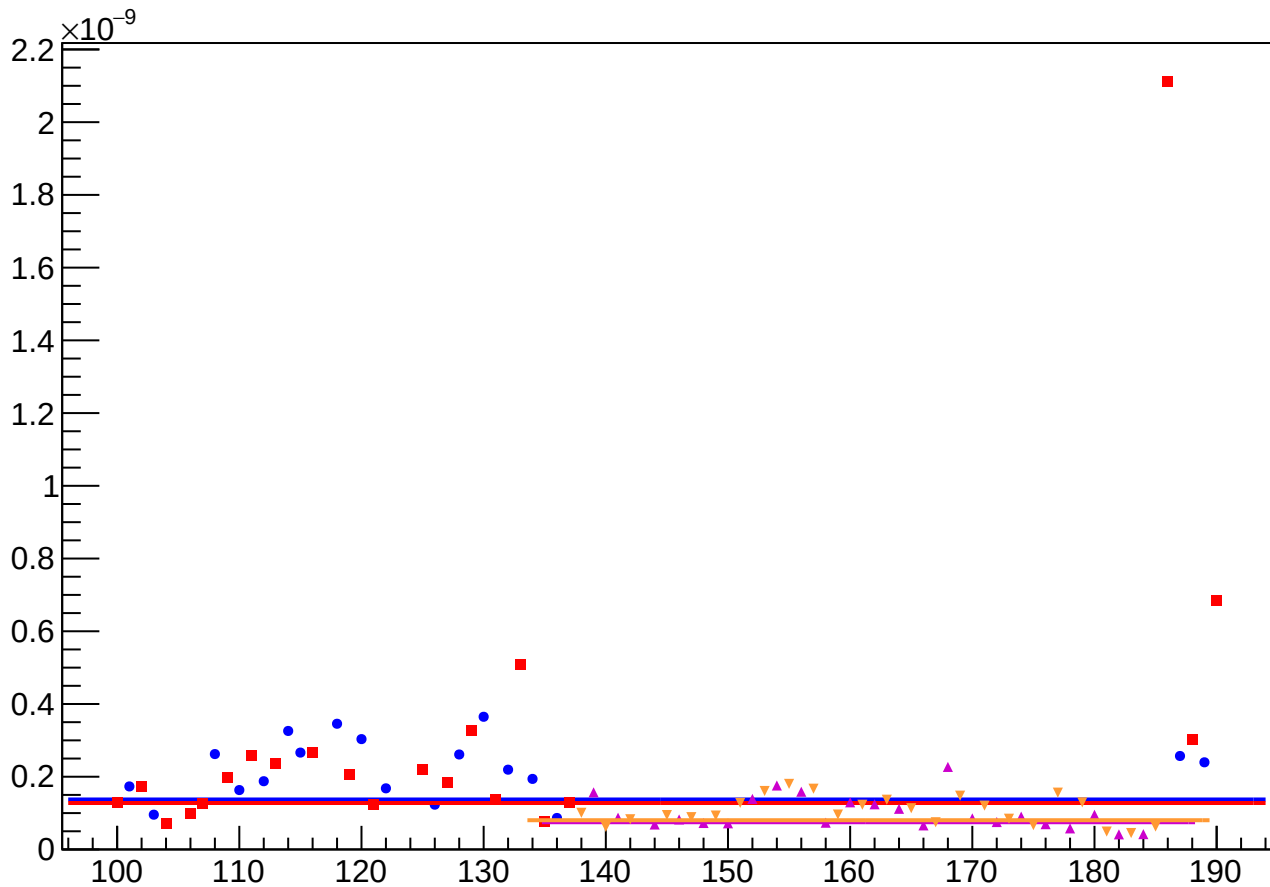
All: 314.649 $\pm$ 0.036 χ^2 /NDF: 27262241.8/85

- sign 282.361 $\pm$ 0.047 χ^2 /NDF: 15527217.6/43

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1953452.1/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 3732870.2/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 3214790.1/20

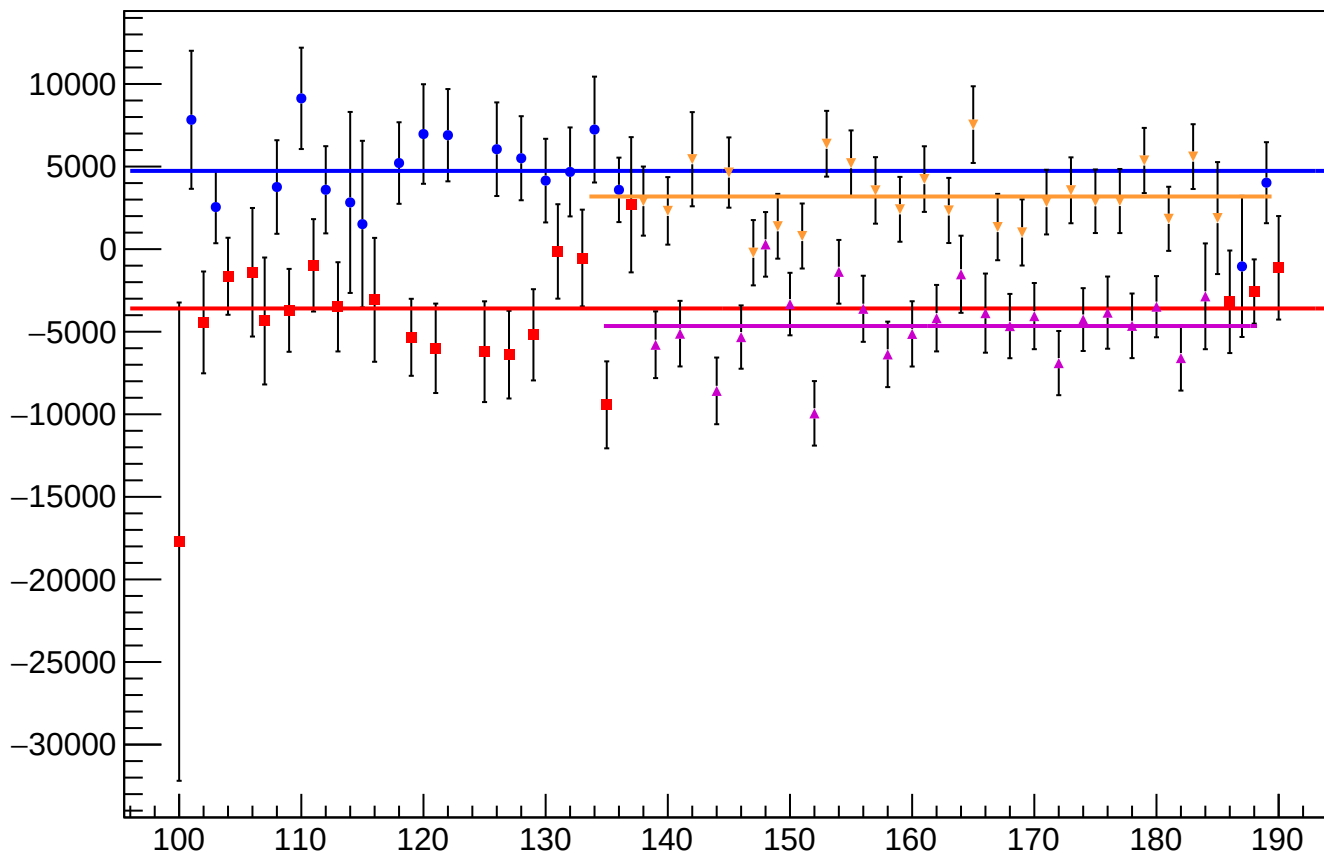
Left In: 0.000 ± 0.000 χ^2/NDF : 3665599.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 6929676.4/41

All: 0.000 ± 0.000 χ^2/NDF : 15092542.1/85

- sign 0.000 ± 0.000 χ^2/NDF : 8095897.4/43

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4737.521 $\pm$ 664.019 χ^2 /NDF: 8.9/17

Left Out: 3187.125 $\pm$ 418.619 χ^2 /NDF:19.9/23

Right Out: -3592.171 $\pm$ 628.011 χ^2 /NDF: 17.2/20

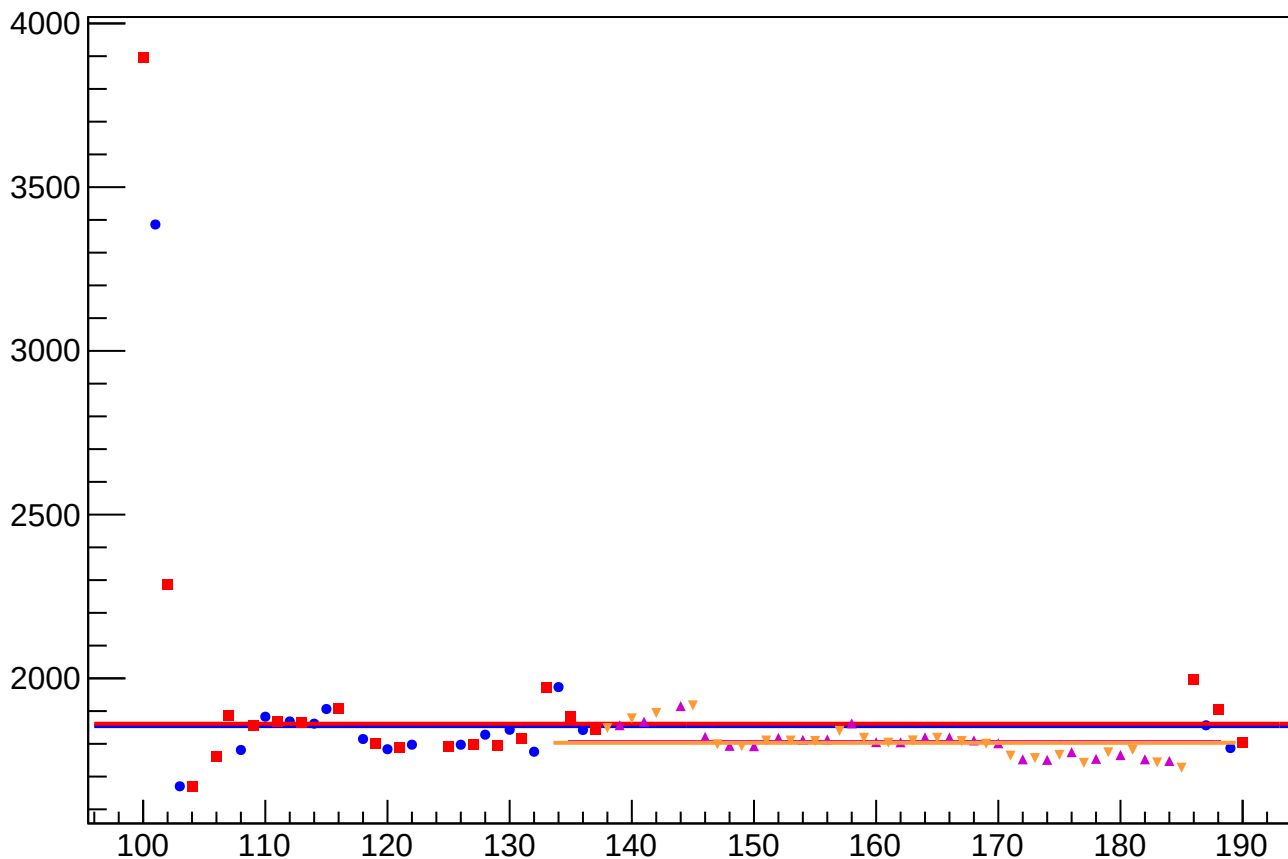
Left In: -4655.206 $\pm$ 421.691 χ^2 /NDF:27.7/22

+ sign 3628.069 $\pm$ 354.121 χ^2 /NDF: 32.6/41

All: -393.912 $\pm$ 248.964 χ^2 /NDF: 334.6/85

- sign -4324.857 $\pm$ 350.090 χ^2 /NDF: 46.9/43

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1854.136 $\pm$ 0.470 χ^2 /NDF: 293945.6/17

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF:20641.1/23

Right Out: 1861.394 $\pm$ 0.443 χ^2 /NDF: 108020.0/20

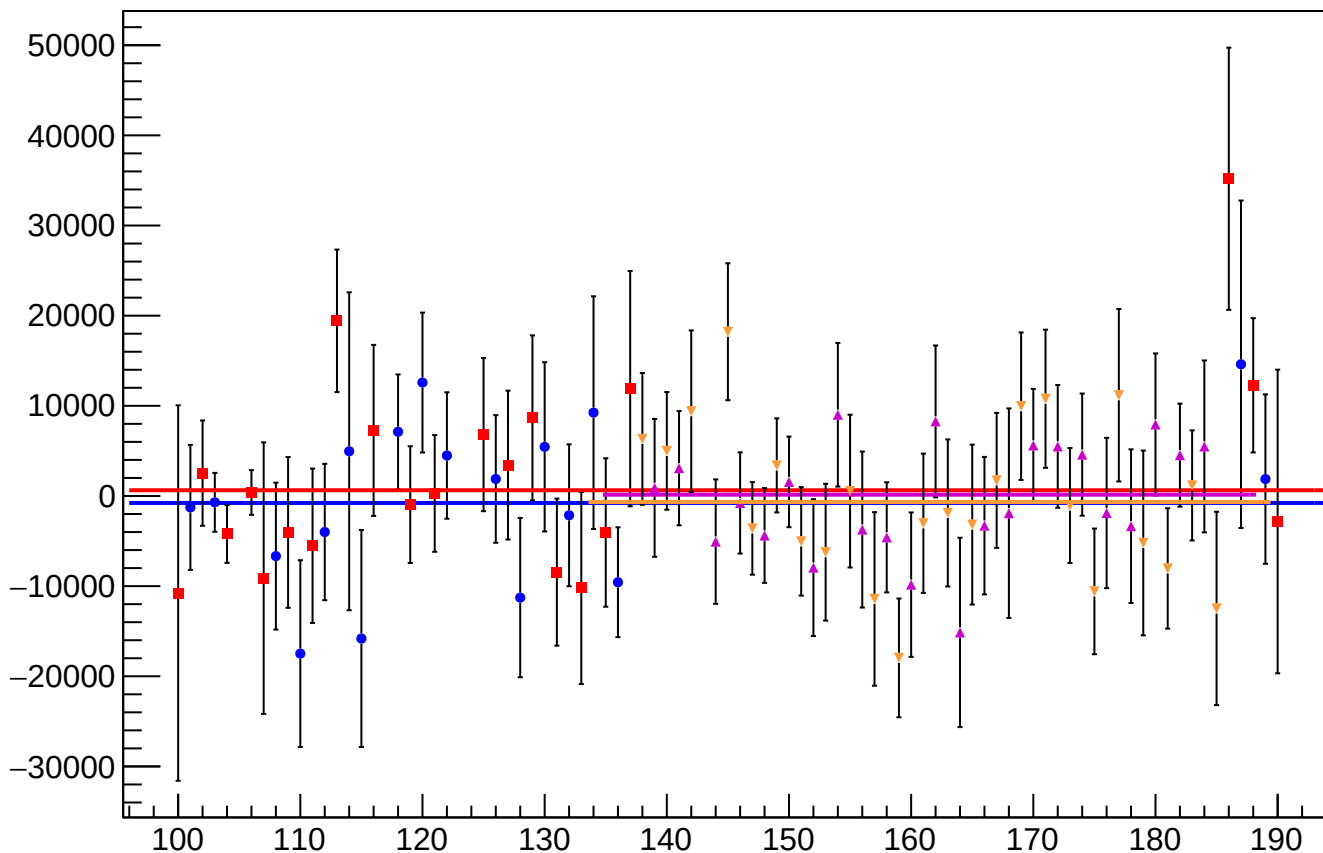
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF:19314.7/22

+ sign 1817.625 $\pm$ 0.250 χ^2 /NDF: 323036.2/41

All: 1820.330 $\pm$ 0.176 χ^2 /NDF: 461535.2/85

- sign 1822.969 $\pm$ 0.247 χ^2 /NDF: 138268.4/43

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug



Right In: -771.785+/-1726.038 χ^2/NDF : 15.6/17

Left Out: -667.243+/-1478.798 χ^2/NDF : 29.8/23

Right Out: 635.776+/-1400.923 χ^2/NDF : 23.0/20

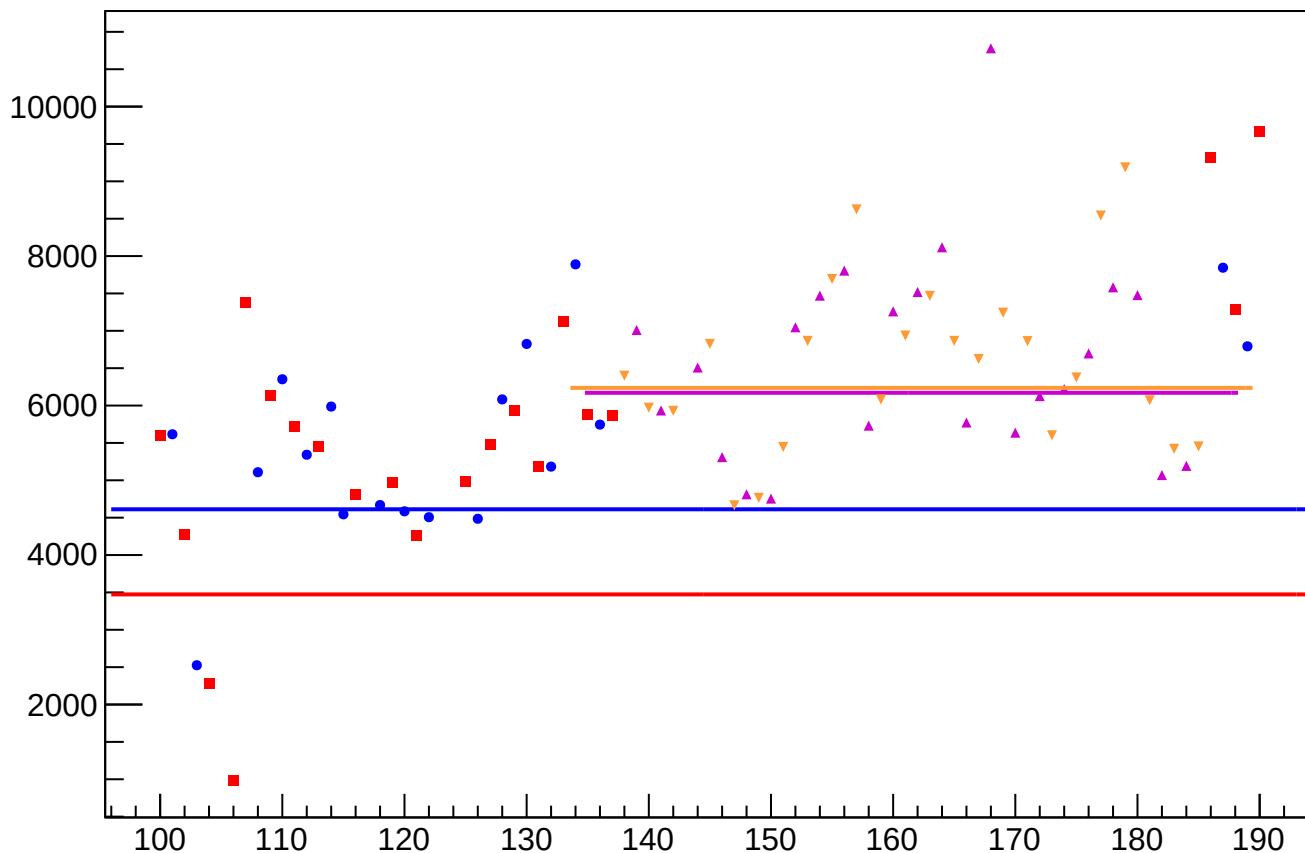
Left In: 143.435+/-1471.371 χ^2/NDF : 13.6/22

+ sign -711.497+/-1123.000 χ^2/NDF : 45.3/41

All: -98.602+/-752.842 χ^2/NDF : 82.5/85

- sign 401.674+/-1014.593 χ^2/NDF : 36.7/43

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 4612.146 $\pm$ 1.220 χ^2 /NDF: 1499552.0/17

Left Out: 6236.636 $\pm$ 1.046 χ^2 /NDF:1067659.4/23

Right Out: 3473.207 $\pm$ 0.991 χ^2 /NDF: 5131737.9/20

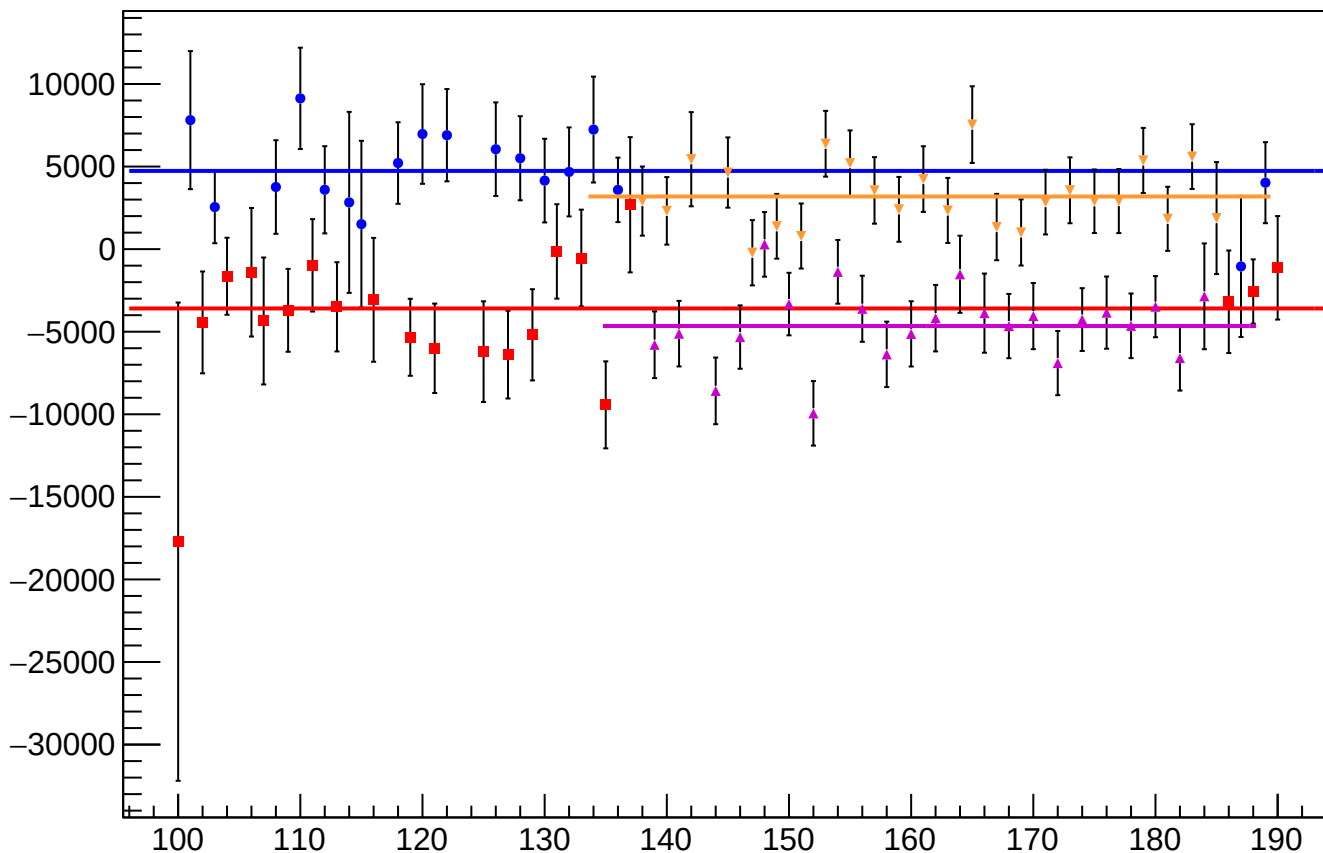
Left In: 6170.791 $\pm$ 1.040 χ^2 /NDF:1237554.5/22

+ sign 5548.972 $\pm$ 0.794 χ^2 /NDF: 3588869.6/41

All: 5112.306 $\pm$ 0.532 χ^2 /NDF: 14033451.6/8

- sign 4755.876 $\pm$ 0.717 χ^2 /NDF: 9895363.1/43

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4737.131 $\pm$ 664.020 χ^2/NDF : 8.8/17

Left Out: 3187.056 $\pm$ 418.619 χ^2/NDF : 19.9/23

Right Out: -3591.967 $\pm$ 628.011 χ^2/NDF : 17.2/20

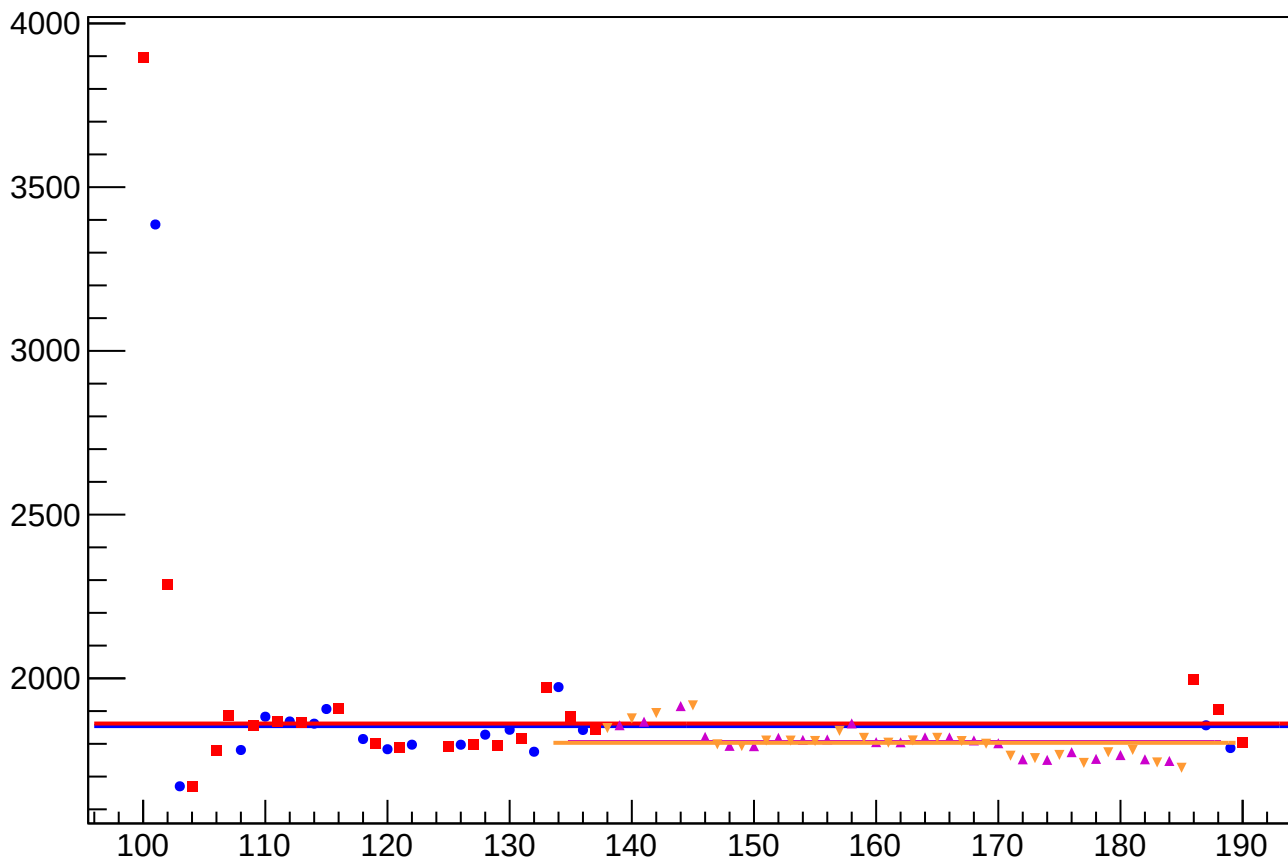
Left In: -4655.225 $\pm$ 421.691 χ^2/NDF : 27.7/22

+ sign 3627.909 $\pm$ 354.121 χ^2/NDF : 32.6/41

All: -393.966 $\pm$ 248.964 χ^2/NDF : 334.6/85

- sign -4324.807 $\pm$ 350.090 χ^2/NDF : 46.9/43

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1854.136 $\pm$ 0.470 χ^2 /NDF: 293947.5/17

Left Out: 1803.115 $\pm$ 0.296 χ^2 /NDF:20641.1/23

Right Out: 1861.974 $\pm$ 0.443 χ^2 /NDF: 107503.4/20

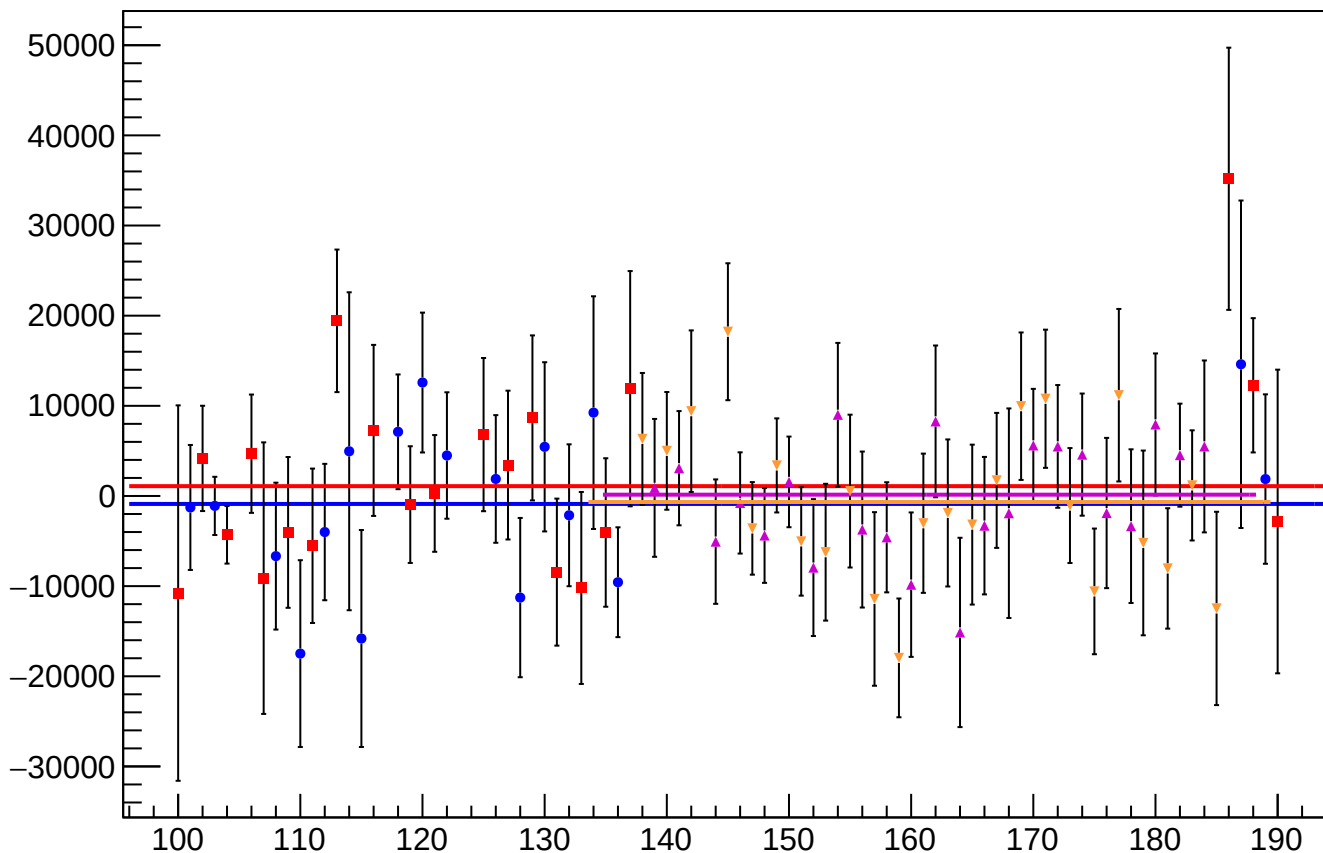
Left In: 1805.559 $\pm$ 0.298 χ^2 /NDF:19314.6/22

+ sign 1817.625 $\pm$ 0.250 χ^2 /NDF: 323038.1/41

All: 1820.418 $\pm$ 0.176 χ^2 /NDF: 461260.1/85

- sign 1823.144 $\pm$ 0.247 χ^2 /NDF: 137976.2/43

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug



Right In: -883.780+/-1720.132 χ^2/NDF : 15.6/17

Left Out: -667.245+/-1478.798 χ^2/NDF : 29.8/23

Right Out: 1089.995+/-1641.086 χ^2/NDF : 23.7/20

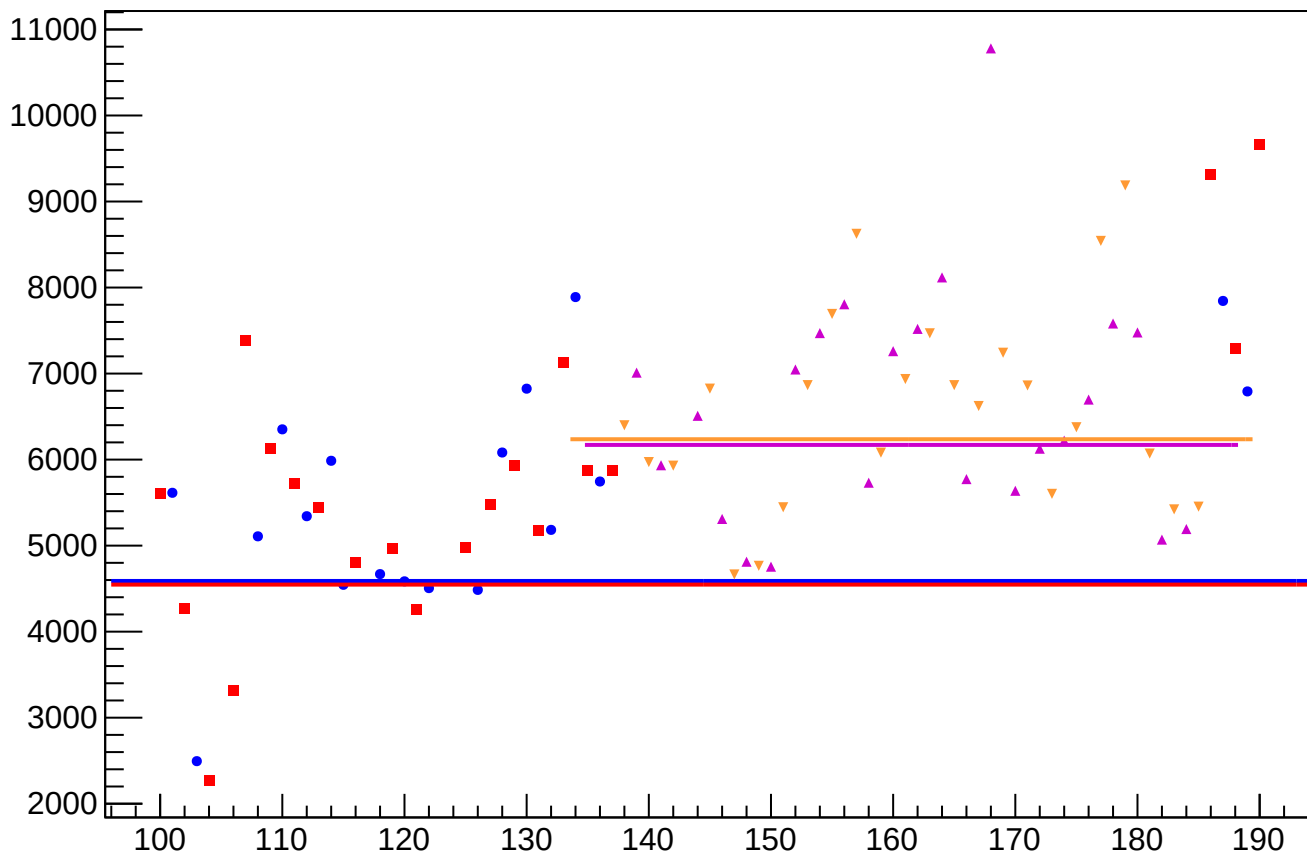
Left In: 143.369+/-1471.371 χ^2/NDF : 13.6/22

+ sign -759.269+/-1121.369 χ^2/NDF : 45.3/41

All: -81.585+/-783.629 χ^2/NDF : 83.5/85

- sign 565.217+/-1095.520 χ^2/NDF : 37.5/43

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4589.131+/-1.216 χ^2/NDF : 1543981.3/17

Left Out: 6236.635+/-1.046 χ^2/NDF : 1067665.4/23

Right Out: 4546.926+/-1.160 χ^2/NDF : 2267235.2/20

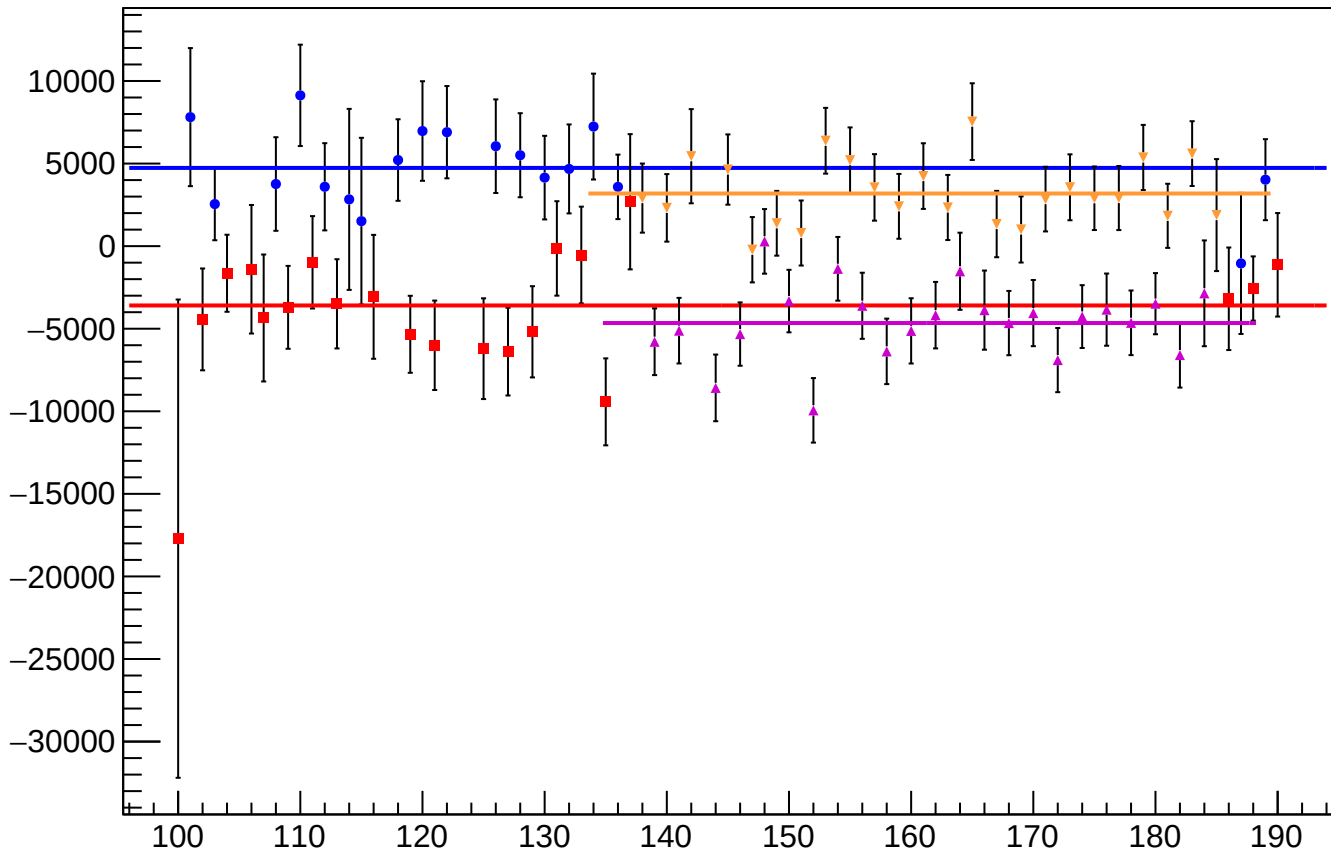
Left In: 6170.789+/-1.040 χ^2/NDF : 1237564.5/22

+ sign 5536.471+/-0.793 χ^2/NDF : 3666613.4/41

All: 5490.764+/-0.554 χ^2/NDF : 8263488.4/85

- sign 5447.141+/-0.775 χ^2/NDF : 4590381.1/43

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4737.131 $\pm$ 664.020 χ^2 /NDF: 8.8/17

Left Out: 3187.056 $\pm$ 418.619 χ^2 /NDF:19.9/23

Right Out: -3591.967 $\pm$ 628.011 χ^2 /NDF: 17.2/20

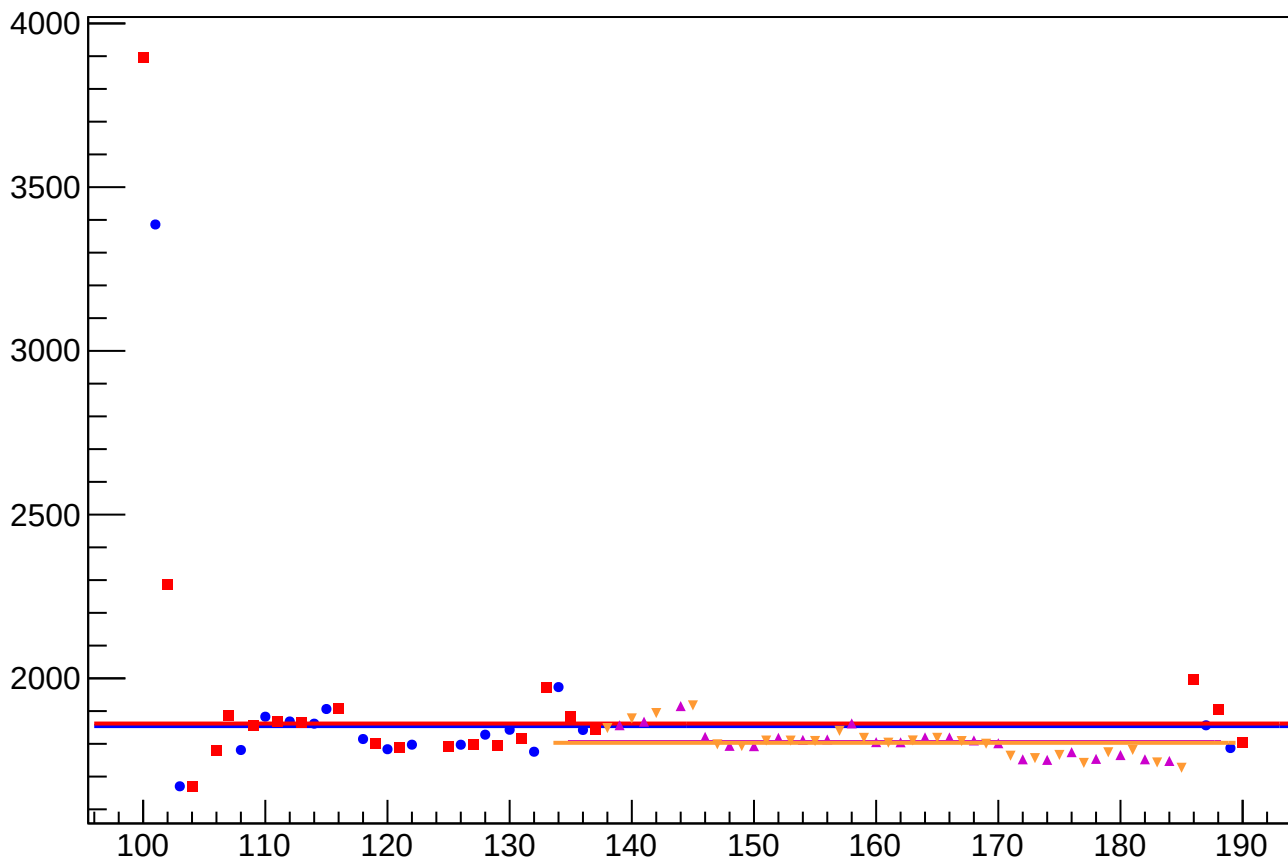
Left In: -4655.225 $\pm$ 421.691 χ^2 /NDF:27.7/22

+ sign 3627.909 $\pm$ 354.121 χ^2 /NDF: 32.6/41

All: -393.966 $\pm$ 248.964 χ^2 /NDF: 334.6/85

- sign -4324.807 $\pm$ 350.090 χ^2 /NDF: 46.9/43

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1854.136 ± 0.470 χ^2/NDF : 293947.5/17

Left Out: 1803.115 ± 0.296 χ^2/NDF : 20641.1/23

Right Out: 1861.974 ± 0.443 χ^2/NDF : 107503.4/20

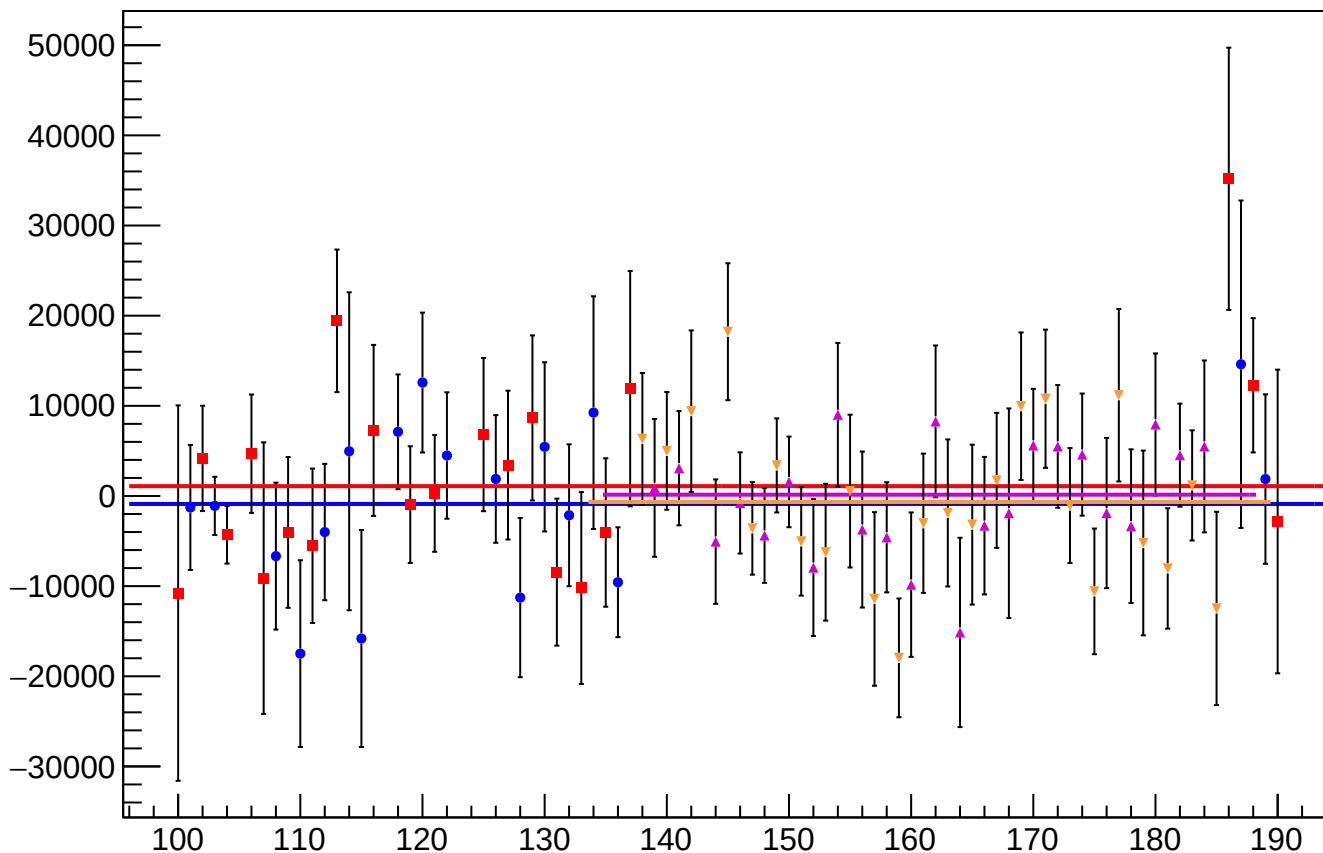
Left In: 1805.559 ± 0.298 χ^2/NDF : 19314.6/22

+ sign 1817.625 ± 0.250 χ^2/NDF : 323038.1/41

All: 1820.418 ± 0.176 χ^2/NDF : 461260.1/85

- sign 1823.144 ± 0.247 χ^2/NDF : 137976.2/43

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug



Right In: -883.780 ± 1720.132 χ^2/NDF : 15.6/17

Left Out: -667.245 ± 1478.798 χ^2/NDF : 29.8/23

Right Out: 1089.995 ± 1641.086 χ^2/NDF : 23.7/20

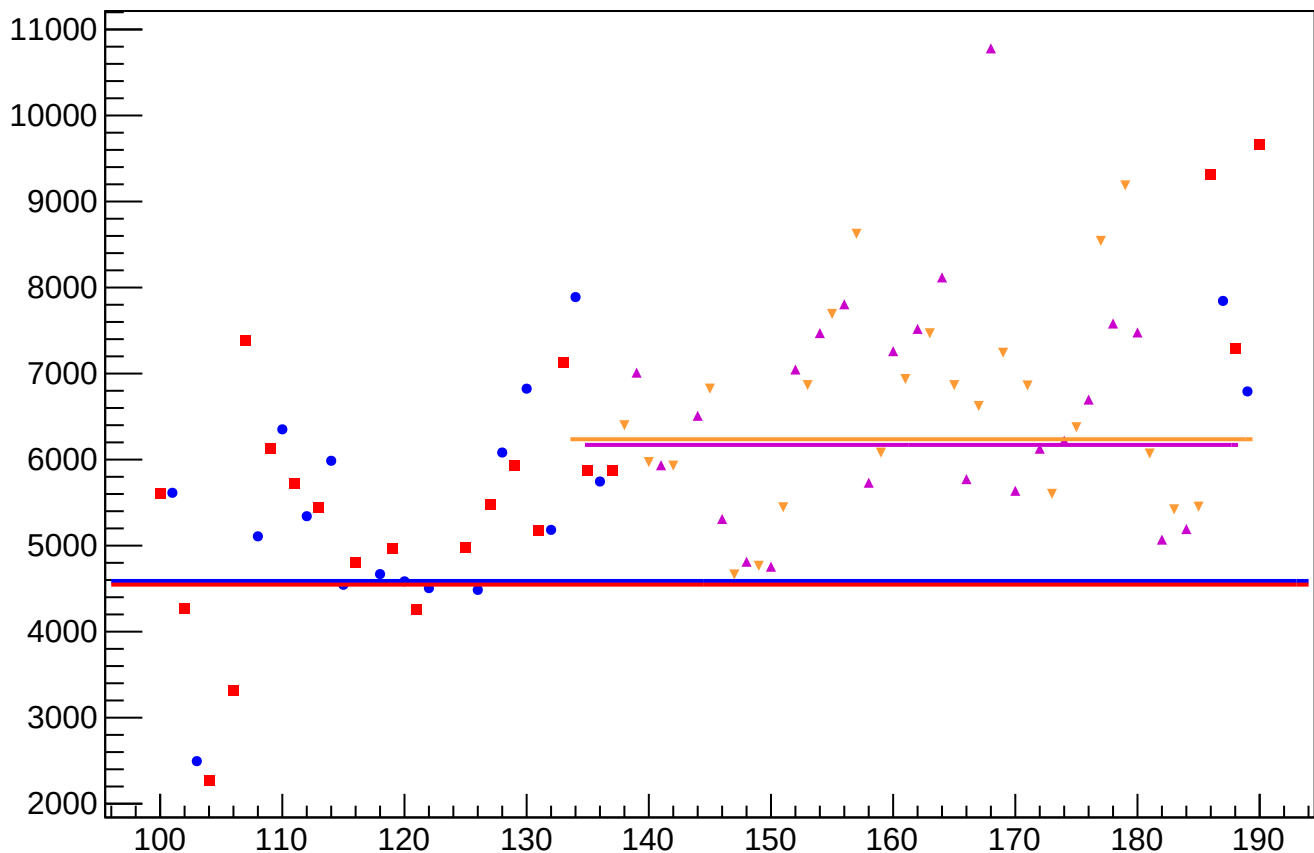
Left In: 143.369 ± 1471.371 χ^2/NDF : 13.6/22

+ sign -759.269 ± 1121.369 χ^2/NDF : 45.3/41

All: -81.585 ± 783.629 χ^2/NDF : 83.5/85

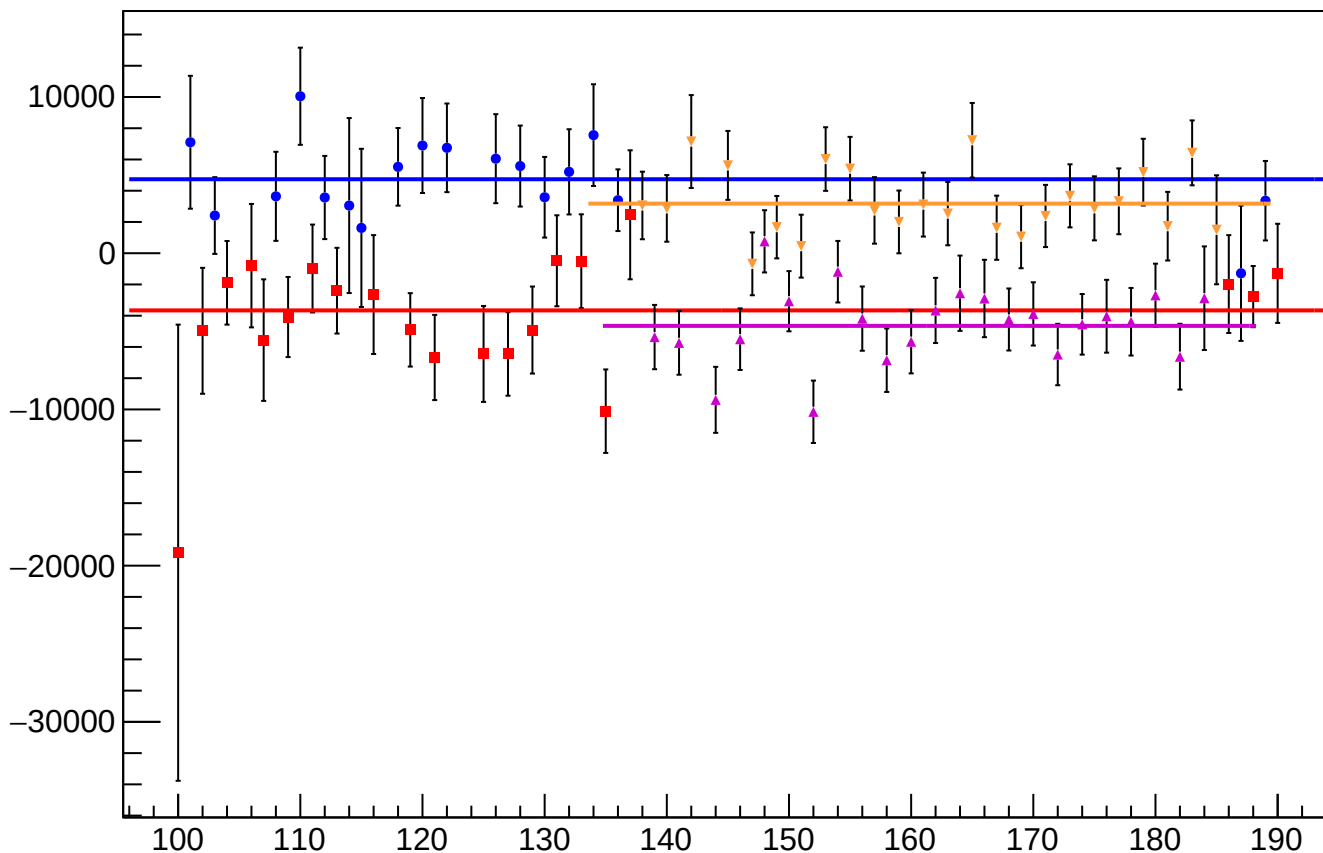
- sign 565.217 ± 1095.520 χ^2/NDF : 37.5/43

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 4589.131+/-1.216	χ^2/NDF : 1543981.3/17	+ sign 5536.471+/-0.793	χ^2/NDF : 3666613.4/41
Left Out: 6236.635+/-1.046	χ^2/NDF : 1067665.4/23	All: 5490.764+/-0.554	χ^2/NDF : 8263488.4/85
Right Out: 4546.926+/-1.160	χ^2/NDF : 2267235.2/20	- sign 5447.141+/-0.775	χ^2/NDF : 4590381.1/43
Left In: 6170.789+/-1.040	χ^2/NDF : 1237564.5/22		

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4735.232 $\pm$ 678.985 χ^2 /NDF: 10.0/17

Left Out: 3174.550 $\pm$ 434.815 χ^2 /NDF:21.6/23

Right Out: -3659.565 $\pm$ 645.969 χ^2 /NDF: 18.6/20

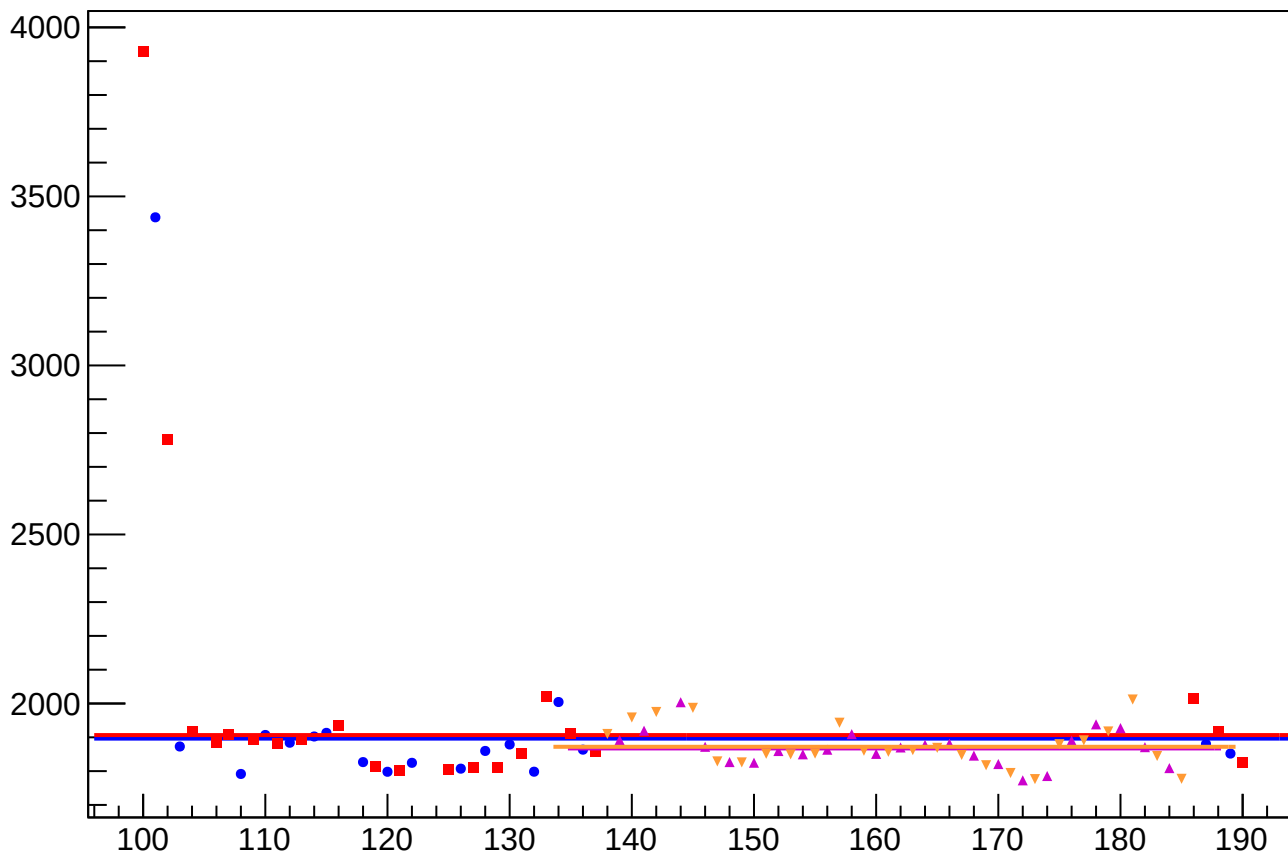
Left In: -4650.461 $\pm$ 436.198 χ^2 /NDF:30.5/22

+ sign 3628.443 $\pm$ 366.167 χ^2 /NDF: 35.3/41

All: -406.975 $\pm$ 257.253 χ^2 /NDF: 326.0/85

- sign -4340.136 $\pm$ 361.498 χ^2 /NDF: 50.8/43

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1896.186 $\pm$ 0.480 χ^2 /NDF: 279141.8/17

Left Out: 1871.979 $\pm$ 0.307 χ^2 /NDF: 37154.8/23

Right Out: 1906.620 $\pm$ 0.456 χ^2 /NDF: 153894.9/20

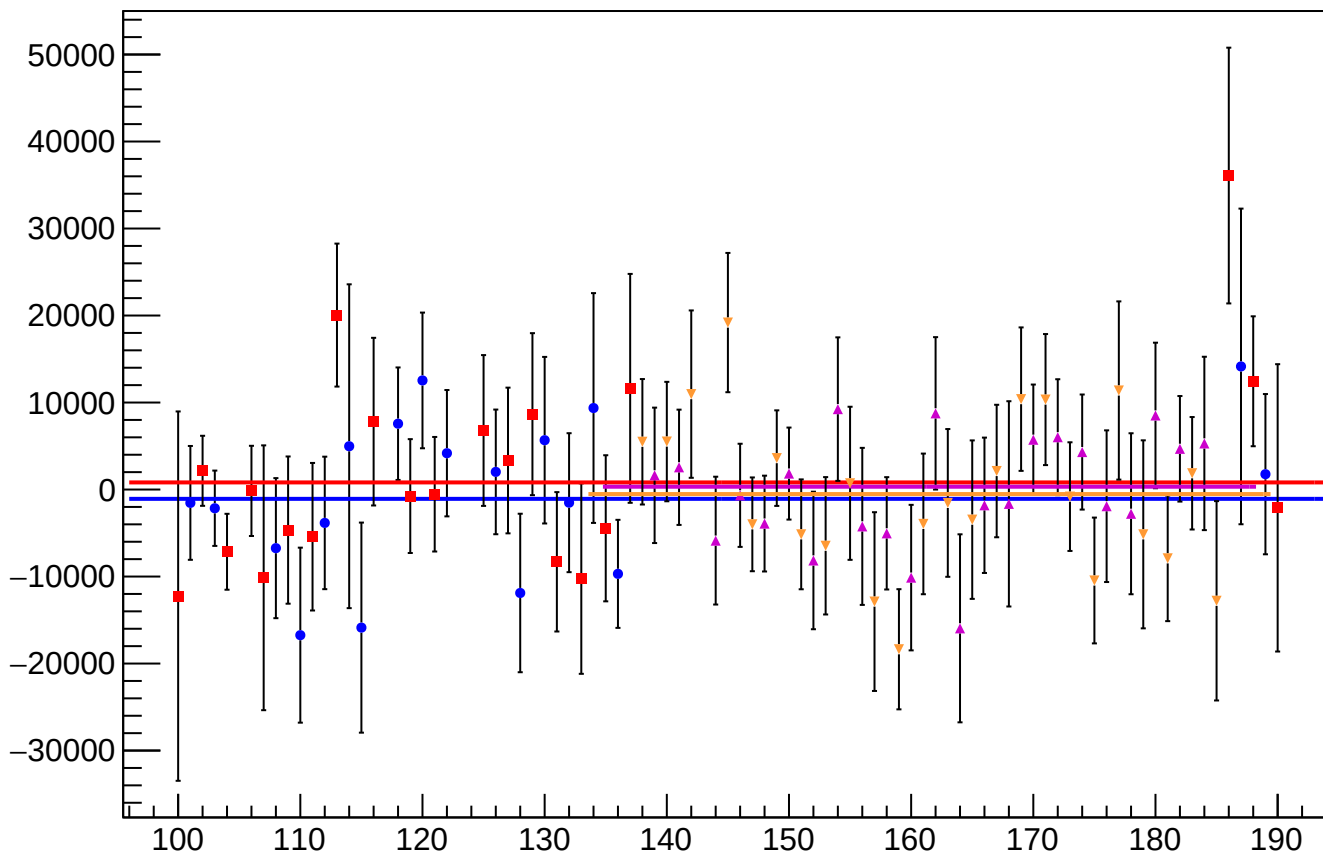
Left In: 1867.079 $\pm$ 0.308 χ^2 /NDF: 27246.7/22

+ sign 1879.019 $\pm$ 0.259 χ^2 /NDF: 318099.3/41

All: 1879.251 $\pm$ 0.182 χ^2 /NDF: 504395.5/85

- sign 1879.477 $\pm$ 0.256 χ^2 /NDF: 186294.6/43

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug



Right In: -1070.088 ± 1847.387 $\chi^2/\text{NDF}: 15.5/17$

Left Out: -520.262 ± 1536.784 $\chi^2/\text{NDF}: 29.2/23$

Right Out: 818.003 ± 1650.359 $\chi^2/\text{NDF}: 24.3/20$

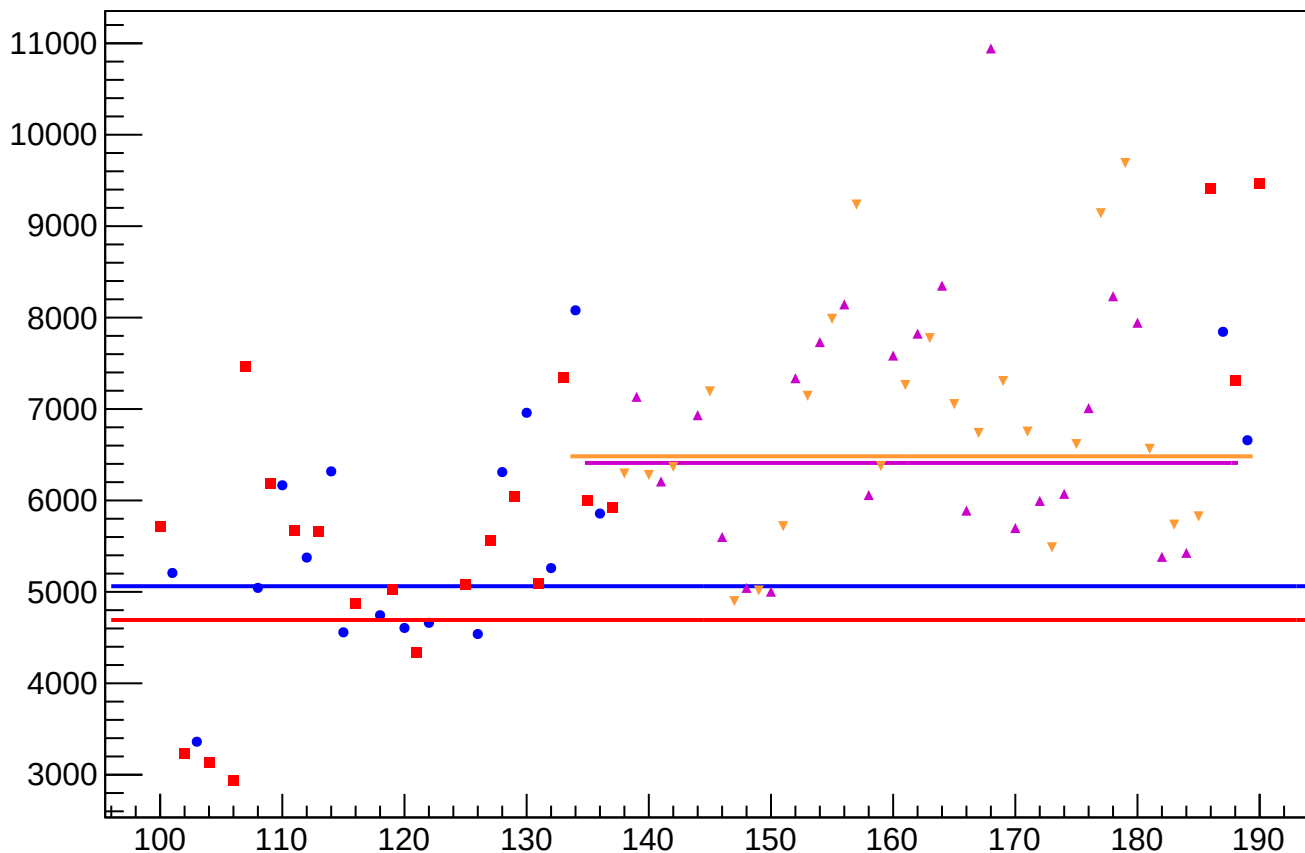
Left In: 324.625 ± 1527.995 $\chi^2/\text{NDF}: 13.4/22$

+ sign -745.133 ± 1181.441 $\chi^2/\text{NDF}: 44.8/41$

All: -62.484 ± 813.279 $\chi^2/\text{NDF}: 83.2/85$

- sign 552.347 ± 1121.222 $\chi^2/\text{NDF}: 37.8/43$

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 5062.073+/-1.306 χ^2/NDF : 739909.2/17

Left Out: 6482.730+/-1.087 χ^2/NDF : 1074584.9/23

Right Out: 4692.890+/-1.167 χ^2/NDF : 1821562.1/20

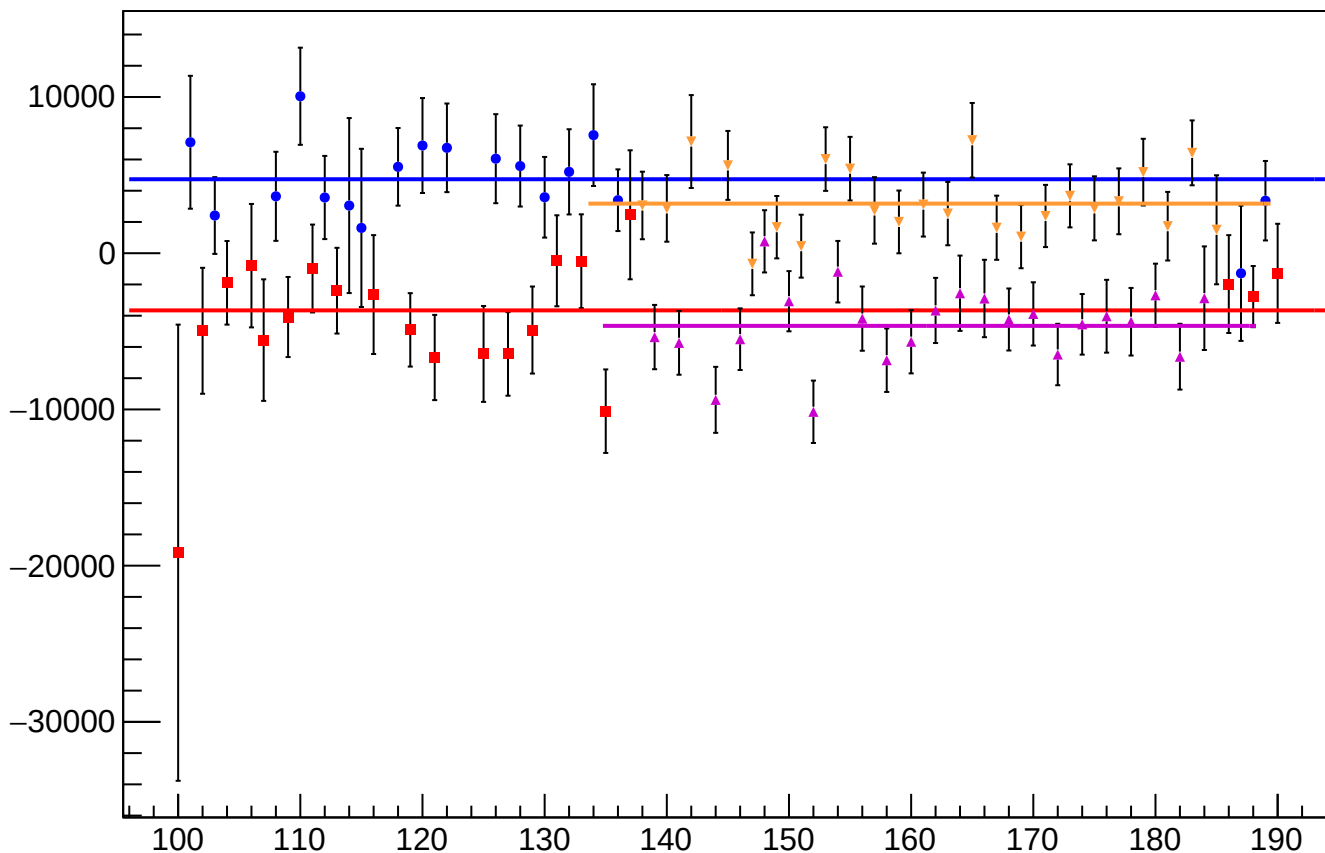
Left In: 6410.419+/-1.080 χ^2/NDF : 1219830.0/22

+ sign 5901.702+/-0.835 χ^2/NDF : 2513515.1/41

All: 5752.268+/-0.575 χ^2/NDF : 6782048.8/85

- sign 5617.680+/-0.793 χ^2/NDF : 4207719.2/43

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4735.232 $\pm$ 678.984 χ^2 /NDF: 10.0/17

Left Out: 3174.543 $\pm$ 434.815 χ^2 /NDF:21.6/23

Right Out: -3659.563 $\pm$ 645.969 χ^2 /NDF: 18.6/20

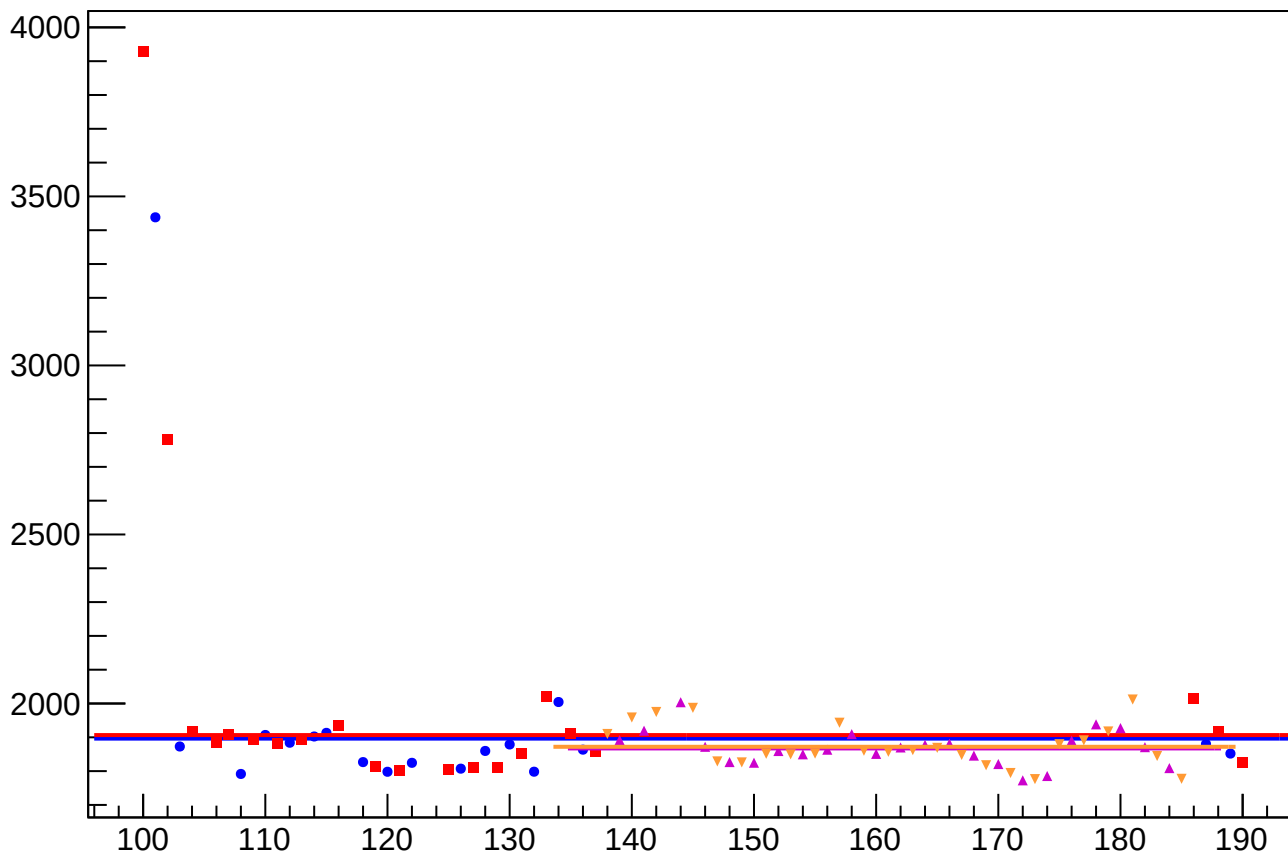
Left In: -4650.462 $\pm$ 436.198 χ^2 /NDF:30.5/22

+ sign 3628.439 $\pm$ 366.168 χ^2 /NDF: 35.3/41

All: -406.977 $\pm$ 257.253 χ^2 /NDF: 326.0/85

- sign -4340.136 $\pm$ 361.498 χ^2 /NDF: 50.8/43

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1896.185 $\pm$ 0.480 χ^2 /NDF: 279142.0/17

Left Out: 1871.981 $\pm$ 0.307 χ^2 /NDF: 37155.9/23

Right Out: 1906.619 $\pm$ 0.456 χ^2 /NDF: 153894.1/20

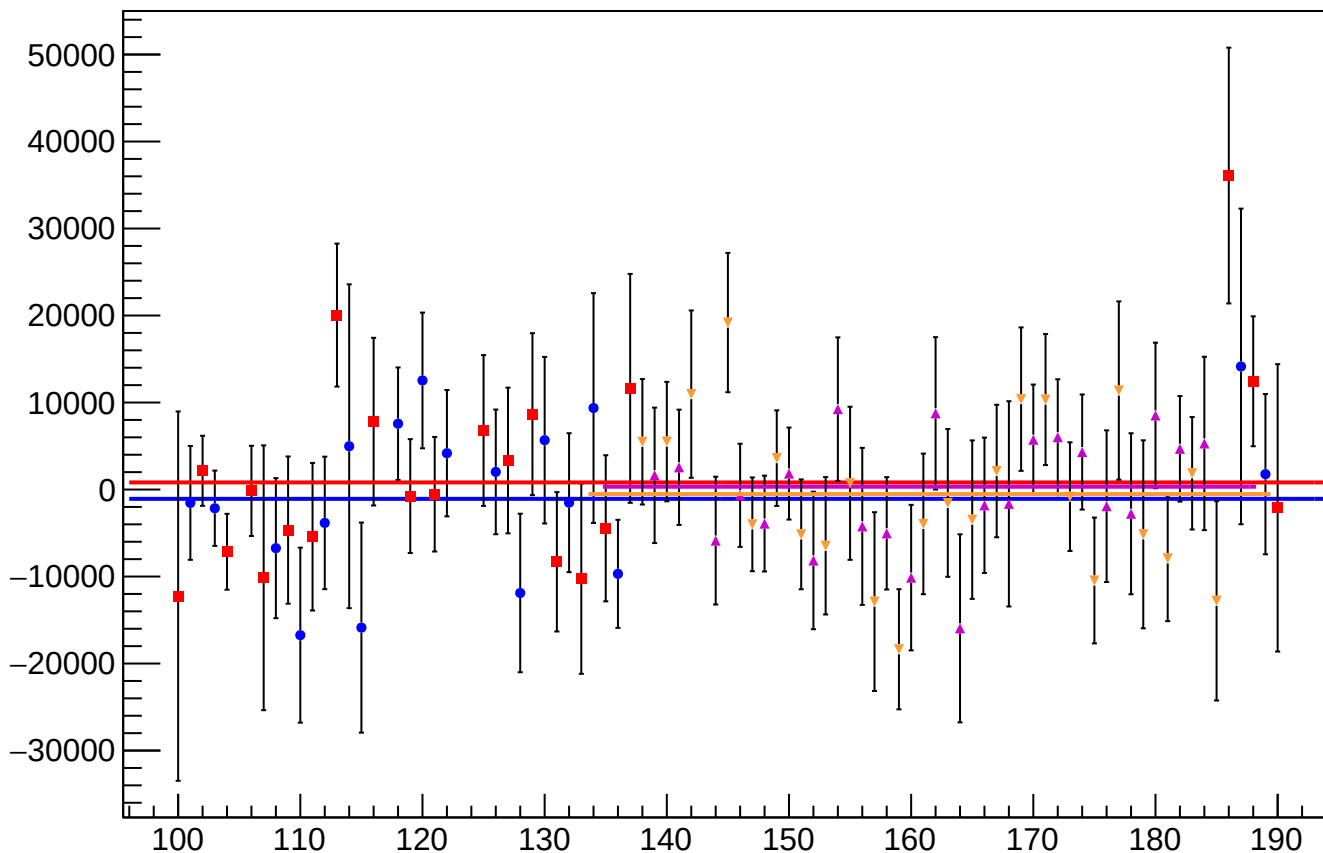
Left In: 1867.080 $\pm$ 0.308 χ^2 /NDF: 27247.8/22

+ sign 1879.020 $\pm$ 0.259 χ^2 /NDF: 318100.3/41

All: 1879.252 $\pm$ 0.182 χ^2 /NDF: 504396.3/85

- sign 1879.478 $\pm$ 0.256 χ^2 /NDF: 186294.5/43

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug



Right In: -1070.080 $\pm$ 1847.383 χ^2 /NDF: 15.5/17

Left Out: -520.268 $\pm$ 1536.787 χ^2 /NDF: 29.2/23

Right Out: 817.997 $\pm$ 1650.355 χ^2 /NDF: 24.3/20

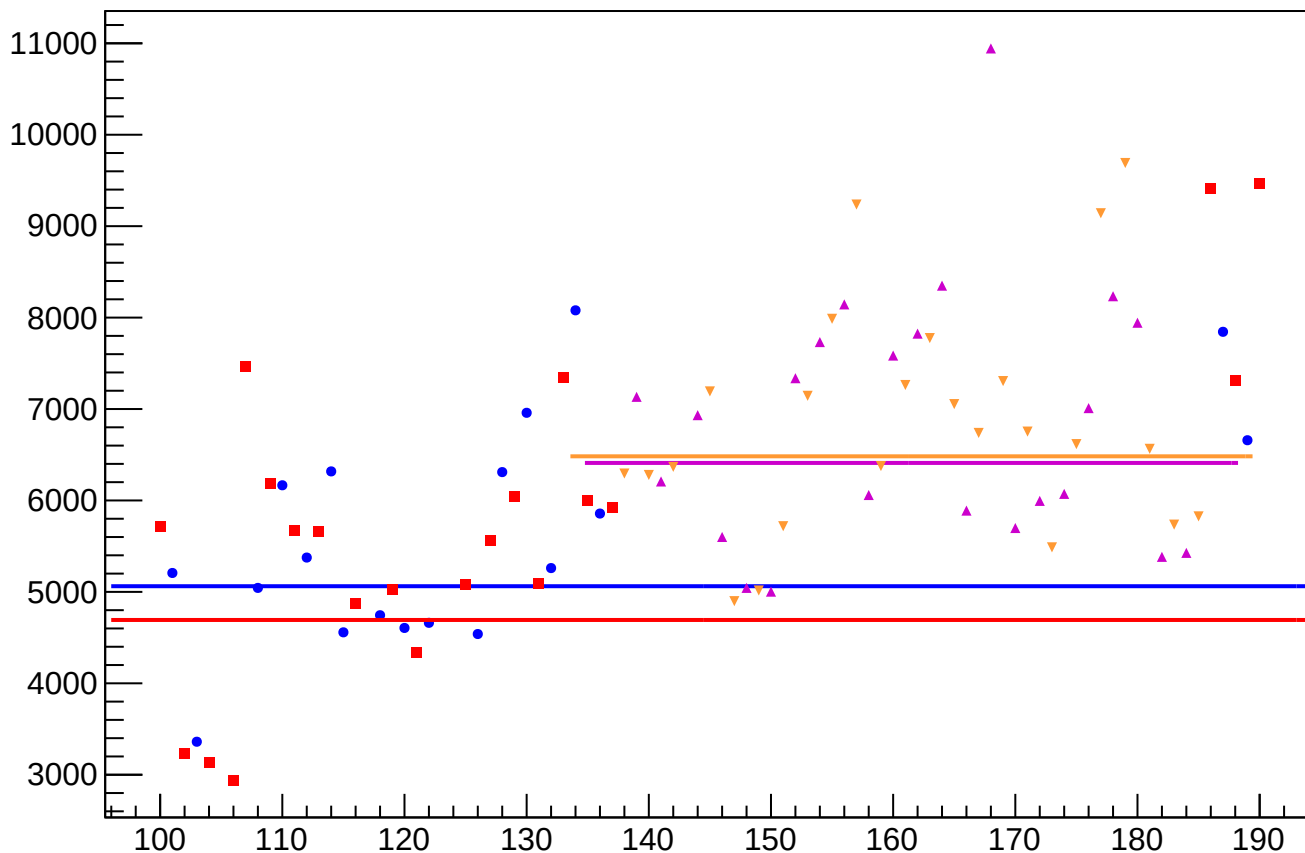
Left In: 324.626 $\pm$ 1527.998 χ^2 /NDF: 13.4/22

+ sign -745.134 $\pm$ 1181.441 χ^2 /NDF: 44.8/41

All: -62.486 $\pm$ 813.279 χ^2 /NDF: 83.2/85

- sign 552.346 $\pm$ 1121.222 χ^2 /NDF: 37.8/43

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug



Right In: 5062.061+/-1.306 χ^2/NDF : 739913.9/17

Left Out: 6482.740+/-1.087 χ^2/NDF : 1074587.3/23

Right Out: 4692.878+/-1.167 χ^2/NDF : 1821566.4/20

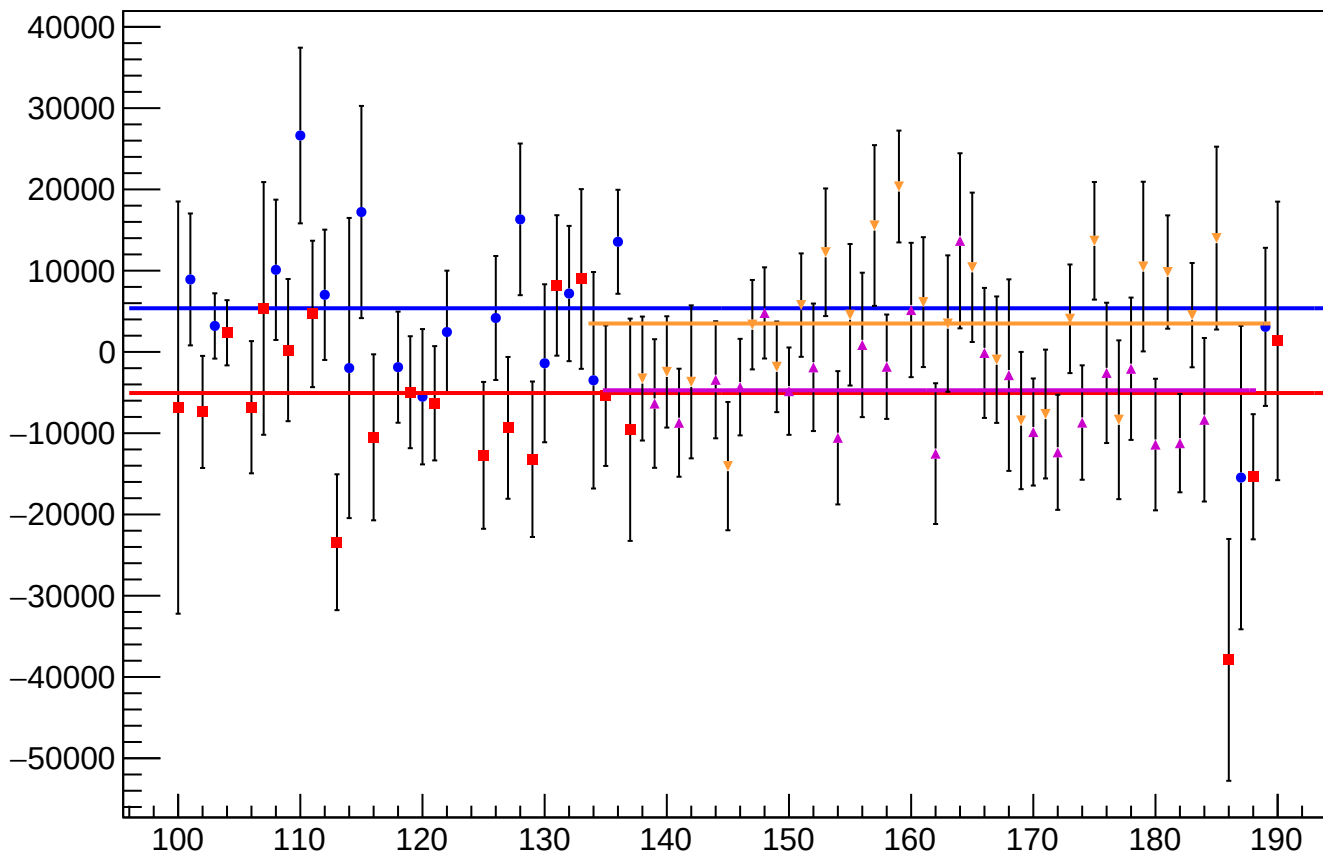
Left In: 6410.429+/-1.080 χ^2/NDF : 1219833.0/22

+ sign 5901.700+/-0.835 χ^2/NDF : 2513546.1/41

All: 5752.266+/-0.575 χ^2/NDF : 6782118.5/85

- sign 5617.677+/-0.793 χ^2/NDF : 4207757.3/43

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5374.911+/-1910.562 χ^2/NDF : 14.0/17

Left Out: 3497.162+/-1545.839 χ^2/NDF : 27.5/23

Right Out: -5056.797+/-1838.383 χ^2/NDF : 23.3/20

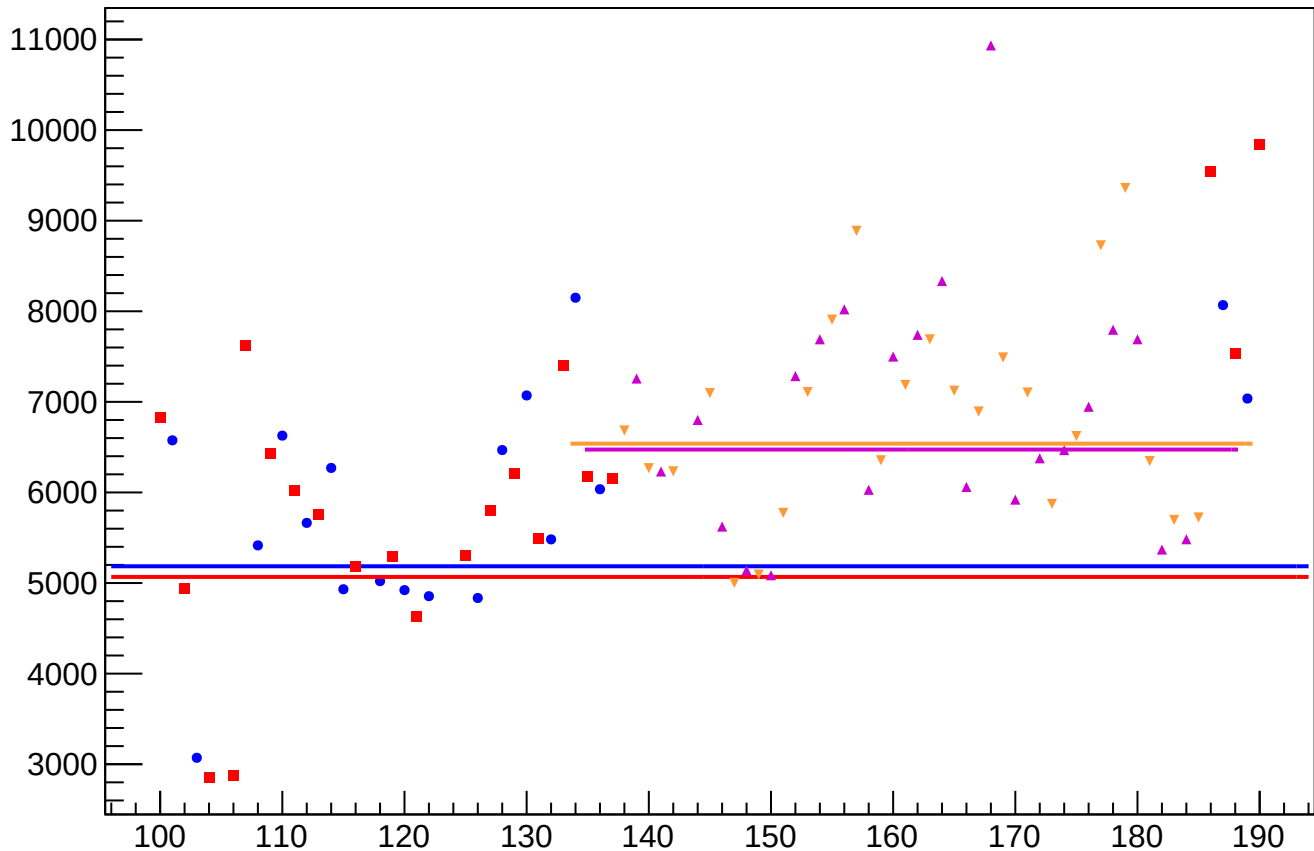
Left In: -4719.535+/-1539.177 χ^2/NDF : 14.3/22

+ sign 4240.076+/-1201.743 χ^2/NDF : 42.0/41

All: -391.680+/-842.024 χ^2/NDF : 108.7/85

- sign -4858.521+/-1180.155 χ^2/NDF : 37.5/43

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5185.018 $\pm$ 1.351 χ^2 /NDF: 1045320.6/17

Left Out: 6538.706 $\pm$ 1.093 χ^2 /NDF: 920612.0/23

Right Out: 5067.488 $\pm$ 1.276 χ^2 /NDF: 1746195.1/20

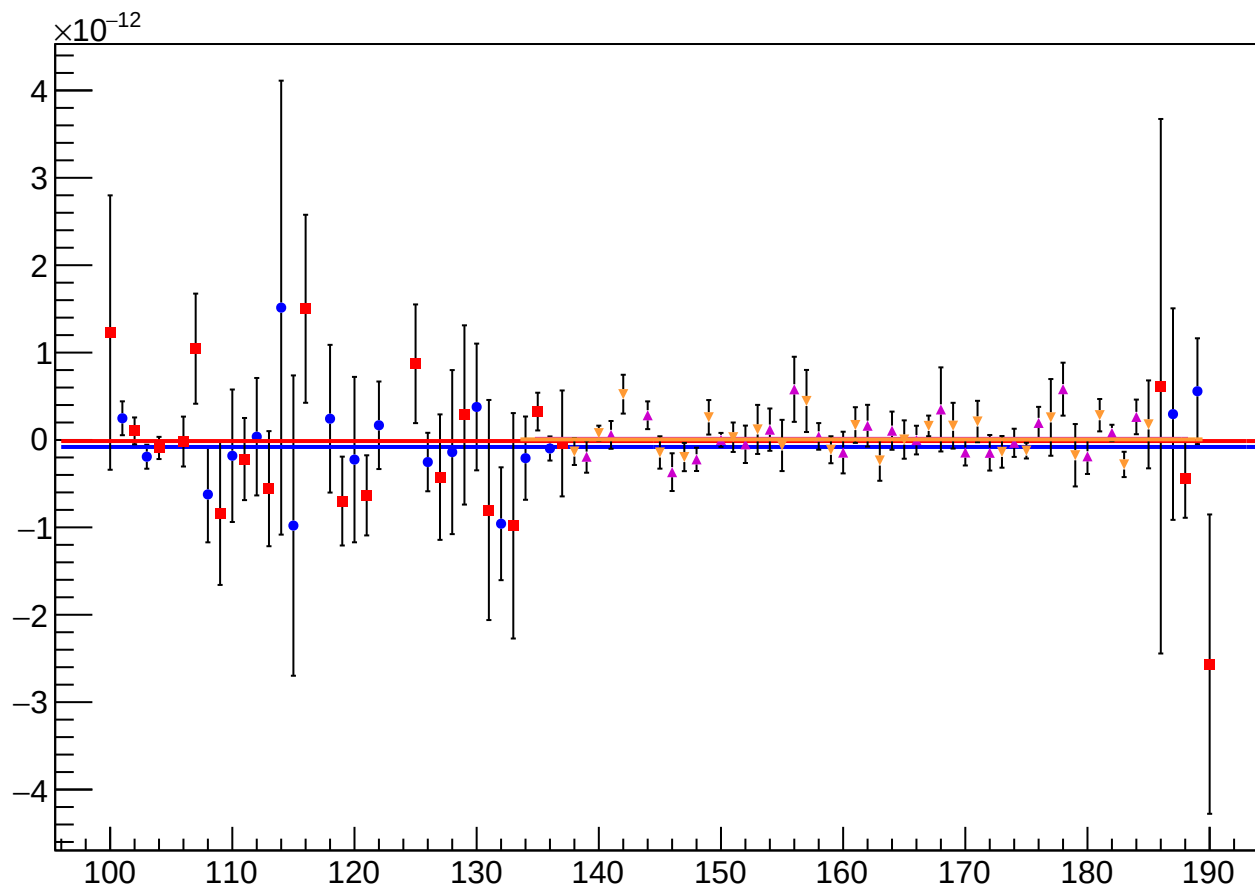
Left In: 6473.481 $\pm$ 1.088 χ^2 /NDF: 1071757.3/22

+ sign 6003.121 $\pm$ 0.850 χ^2 /NDF: 2572736.9/41

All: 5940.636 $\pm$ 0.593 χ^2 /NDF: 6104119.9/85

- sign 5881.305 $\pm$ 0.828 χ^2 /NDF: 3520841.6/43

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 9.4/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 27.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.6/20

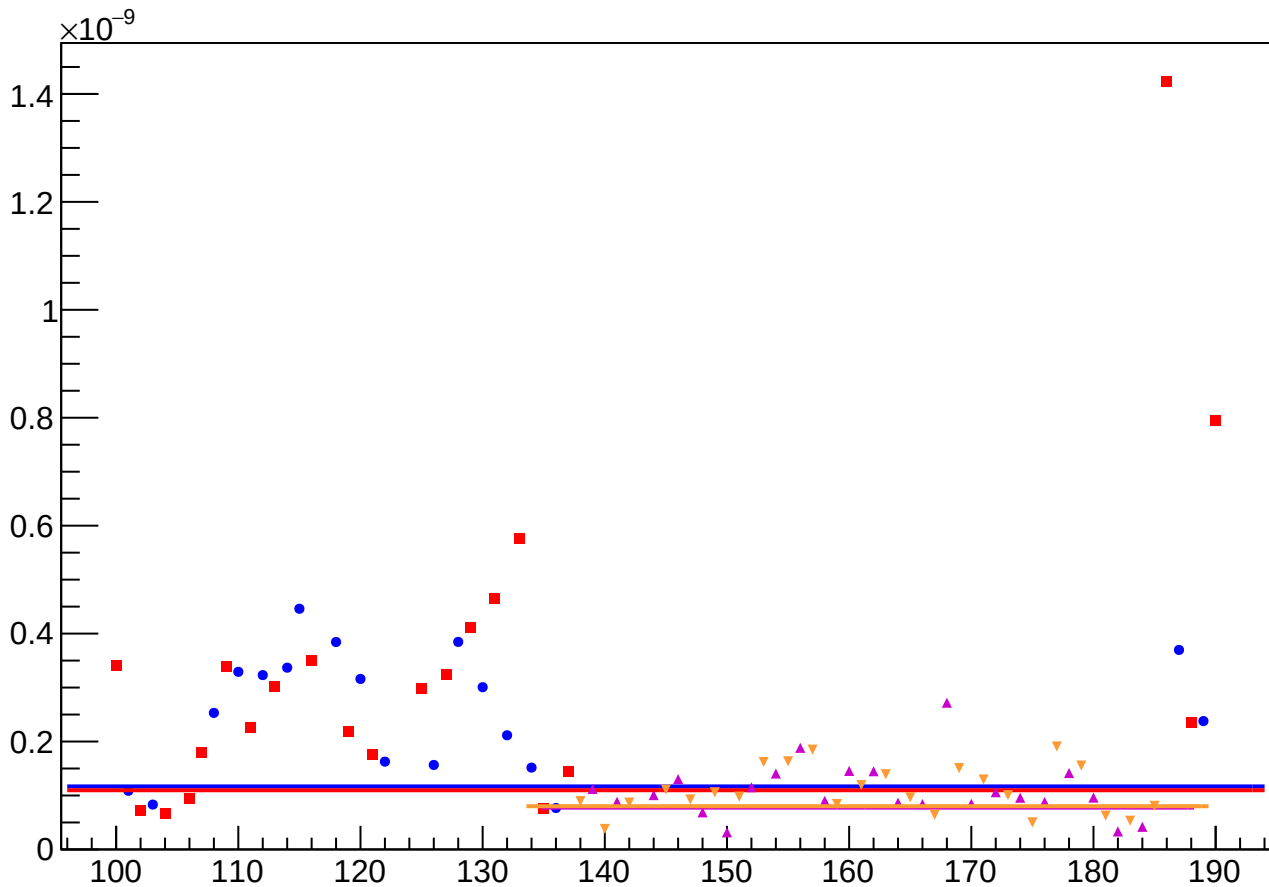
Left In: 0.000 ± 0.000 χ^2/NDF : 24.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 37.6/41

All: 0.000 ± 0.000 χ^2/NDF : 82.4/85

- sign 0.000 ± 0.000 χ^2/NDF : 44.7/43

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1695158.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF : 2942826.4/20

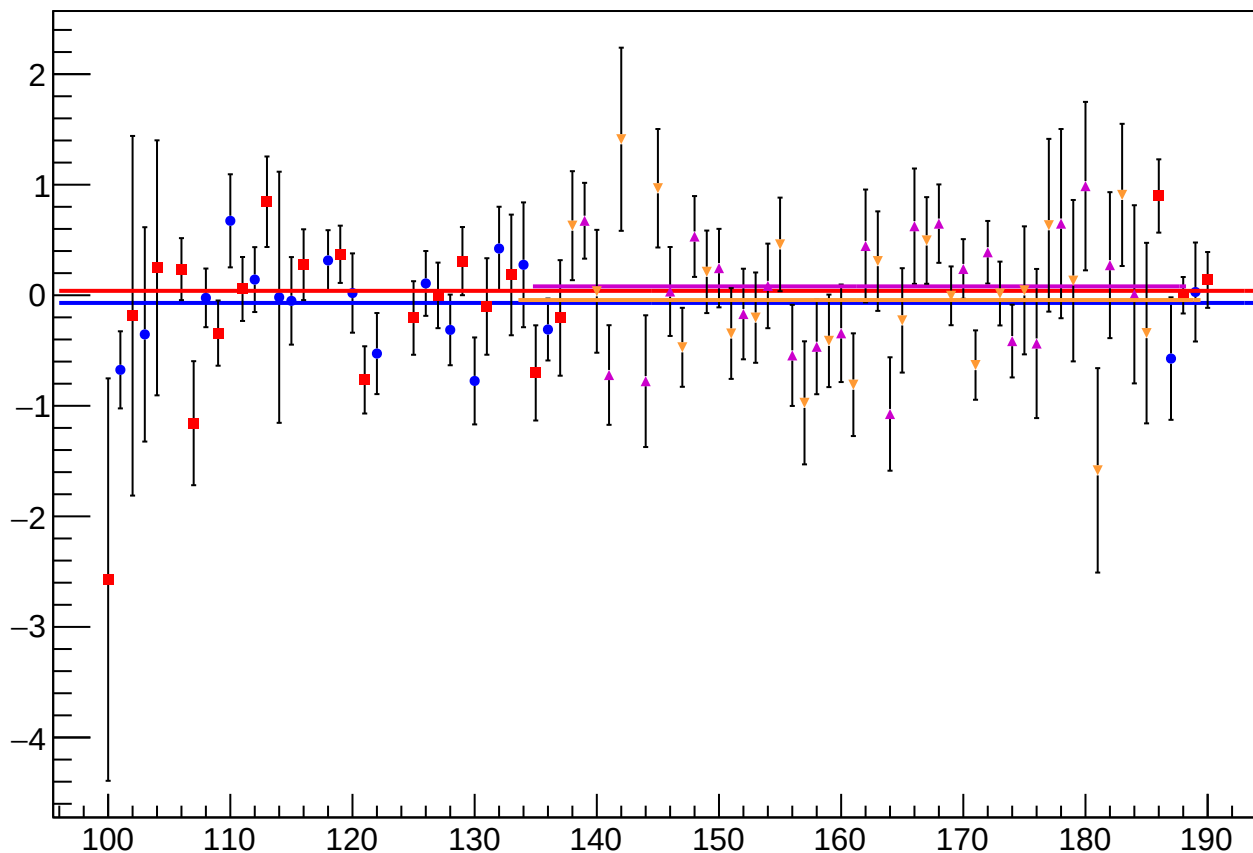
Left In: 0.000+/-0.000 χ^2/NDF : 2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 4224050.8/41

All: 0.000+/-0.000 χ^2/NDF : 10118934.4/85

- sign 0.000+/-0.000 χ^2/NDF : 5883453.2/43

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.069 ± 0.086 χ^2/NDF : 18.2/17

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: 0.040 ± 0.072 χ^2/NDF : 33.5/20

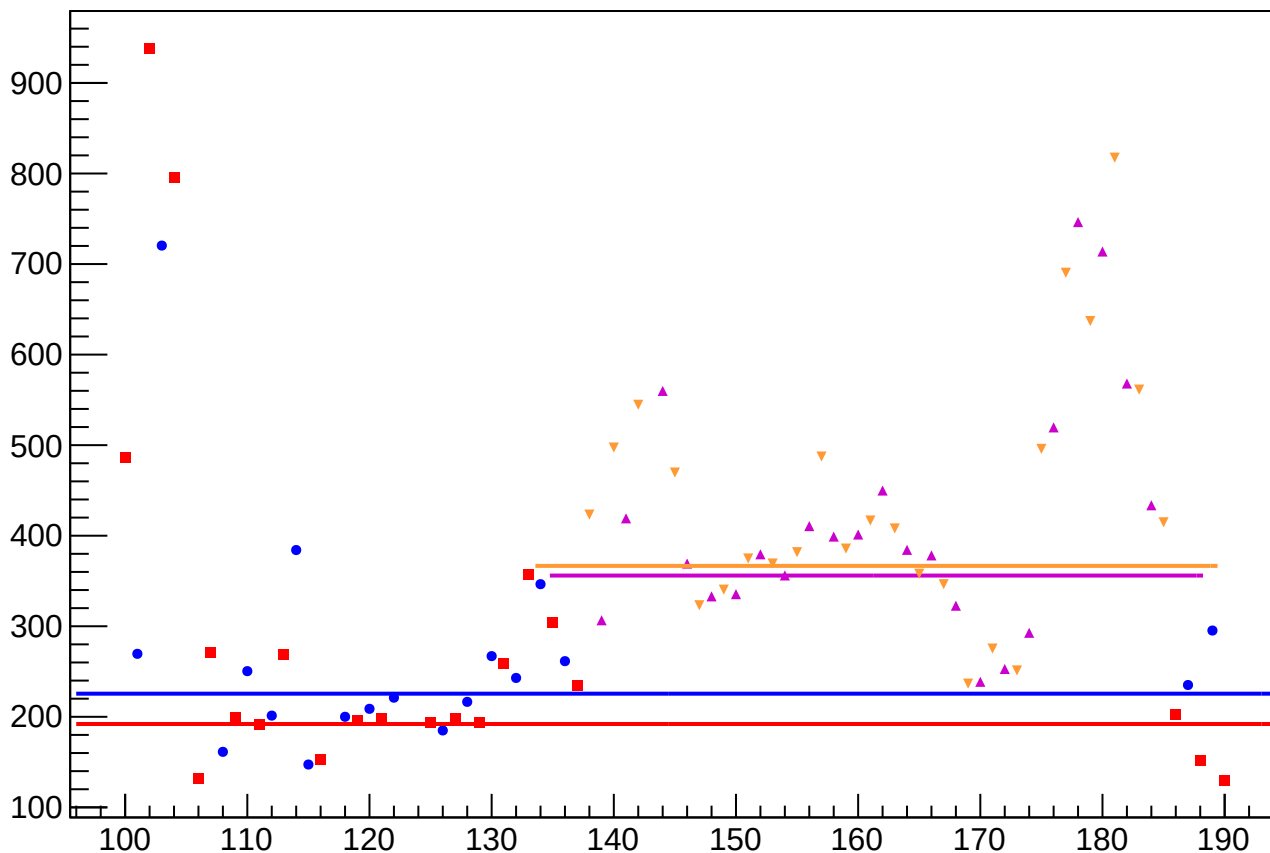
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign -0.057 ± 0.062 χ^2/NDF : 49.2/41

All: 0.006 ± 0.042 χ^2/NDF : 115.0/85

- sign 0.056 ± 0.056 χ^2/NDF : 64.0/43

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 225.548 $\pm$ 0.061 χ^2 /NDF: 1070137.2/17

Left Out: 366.670 $\pm$ 0.064 χ^2 /NDF: 2841071.8/23

Right Out: 192.059 $\pm$ 0.051 χ^2 /NDF: 1877824.5/20

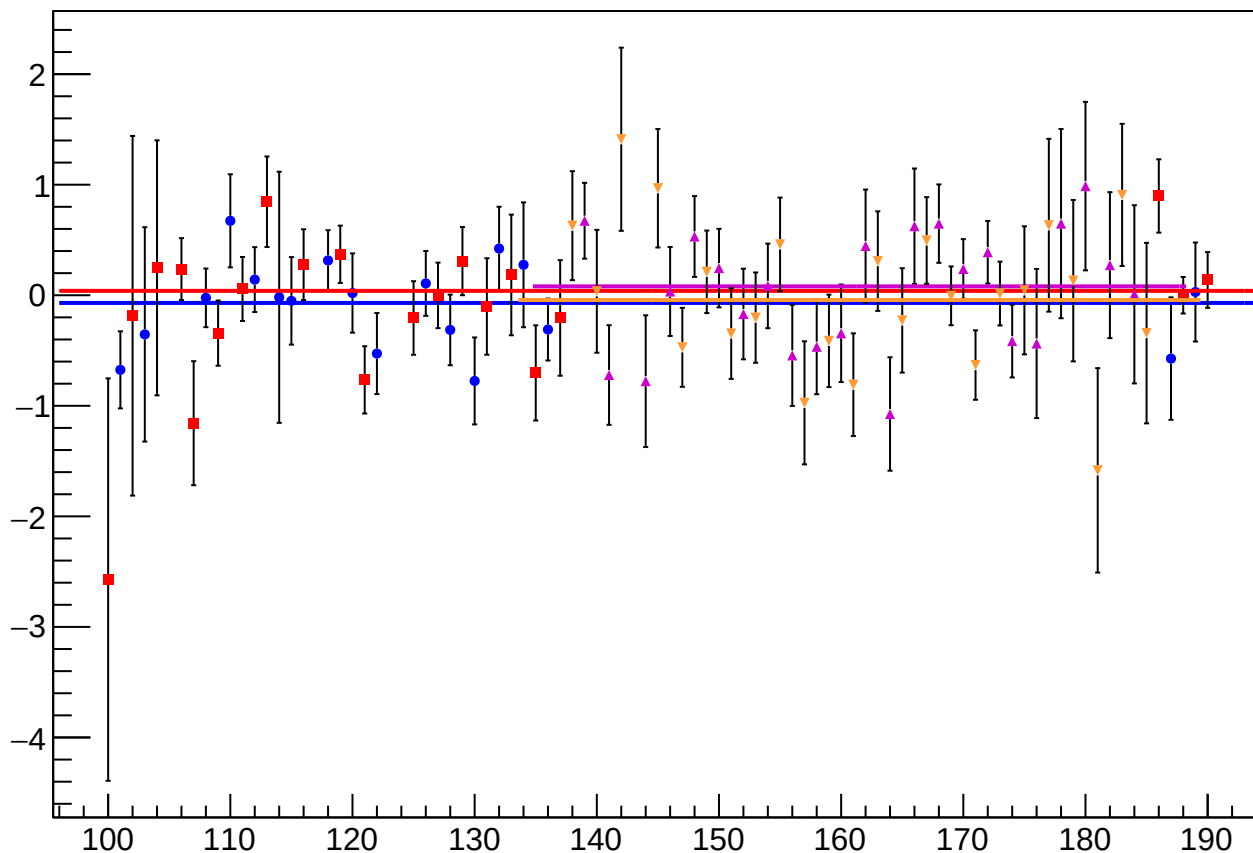
Left In: 355.992 $\pm$ 0.062 χ^2 /NDF: 2420701.1/22

+ sign 292.480 $\pm$ 0.044 χ^2 /NDF: 6470380.0/41

All: 273.388 $\pm$ 0.029 χ^2 /NDF: 15272744.4/85

- sign 258.118 $\pm$ 0.039 χ^2 /NDF: 8464281.6/43

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.069 ± 0.086 χ^2/NDF : 18.2/17

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: 0.040 ± 0.072 χ^2/NDF : 33.5/20

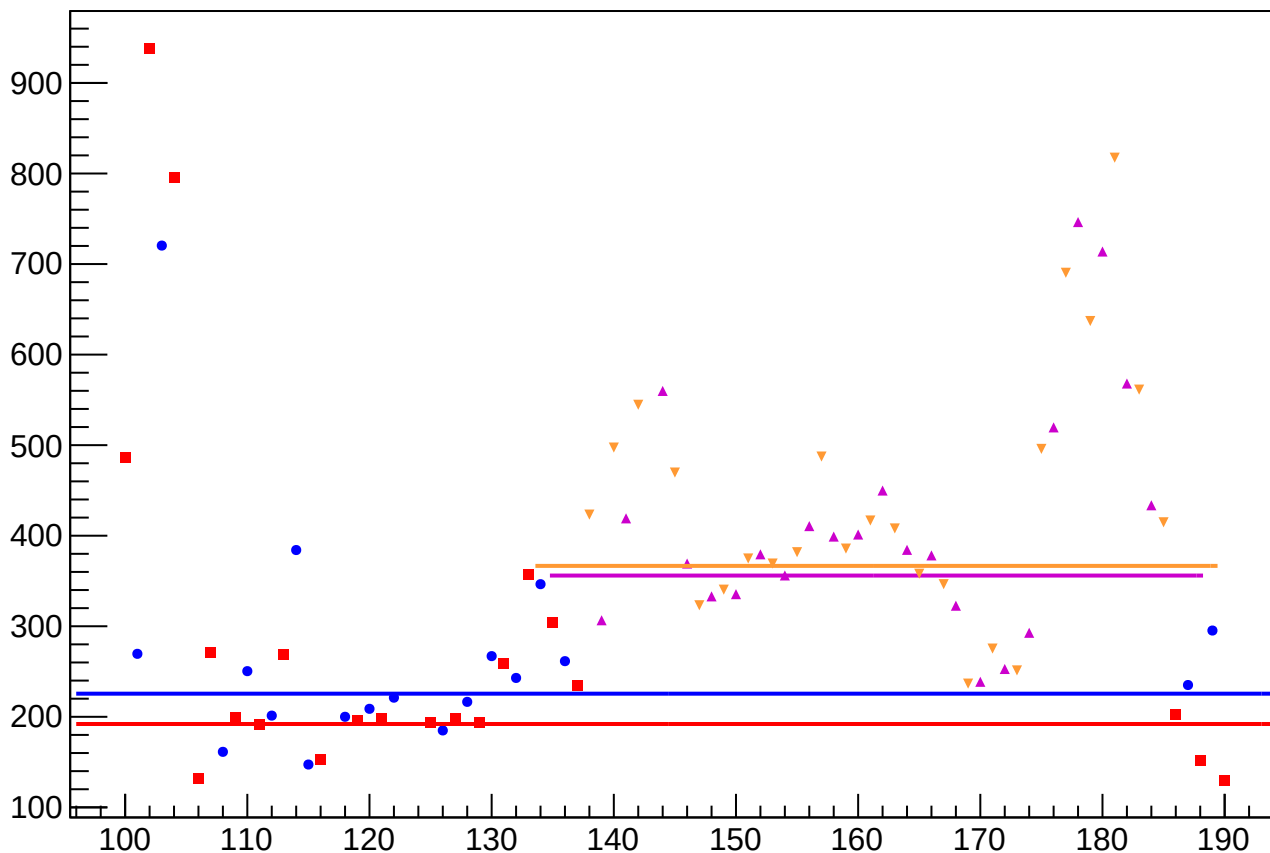
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign -0.057 ± 0.062 χ^2/NDF : 49.2/41

All: 0.006 ± 0.042 χ^2/NDF : 115.0/85

- sign 0.056 ± 0.056 χ^2/NDF : 64.0/43

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 225.548 $\pm$ 0.061 χ^2 /NDF: 1070137.2/17

Left Out: 366.670 $\pm$ 0.064 χ^2 /NDF: 2841071.8/23

Right Out: 192.059 $\pm$ 0.051 χ^2 /NDF: 1877824.5/20

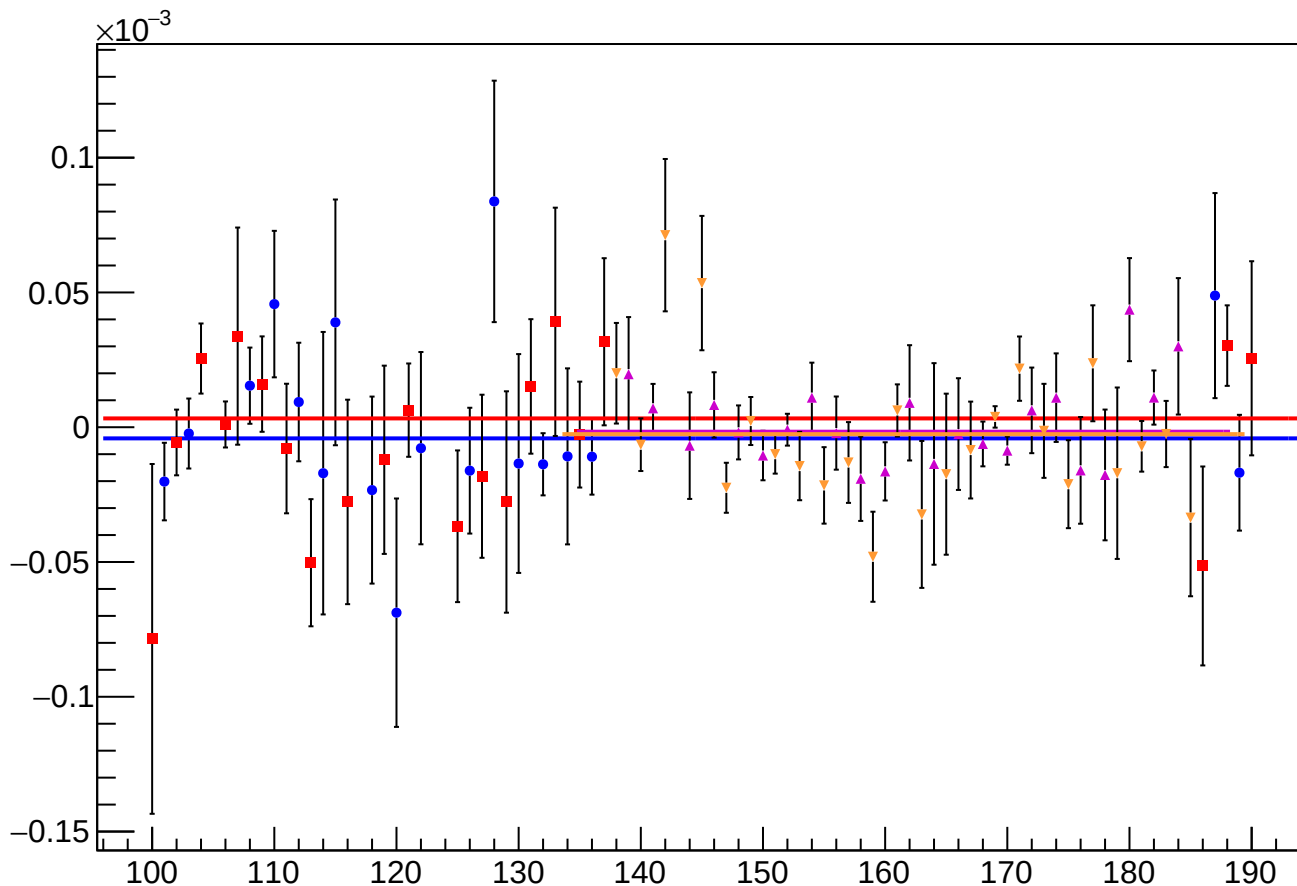
Left In: 355.992 $\pm$ 0.062 χ^2 /NDF: 2420701.1/22

+ sign 292.480 $\pm$ 0.044 χ^2 /NDF: 6470380.0/41

All: 273.388 $\pm$ 0.029 χ^2 /NDF: 15272744.4/85

- sign 258.118 $\pm$ 0.039 χ^2 /NDF: 8464281.6/43

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.9/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 43.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.3/20

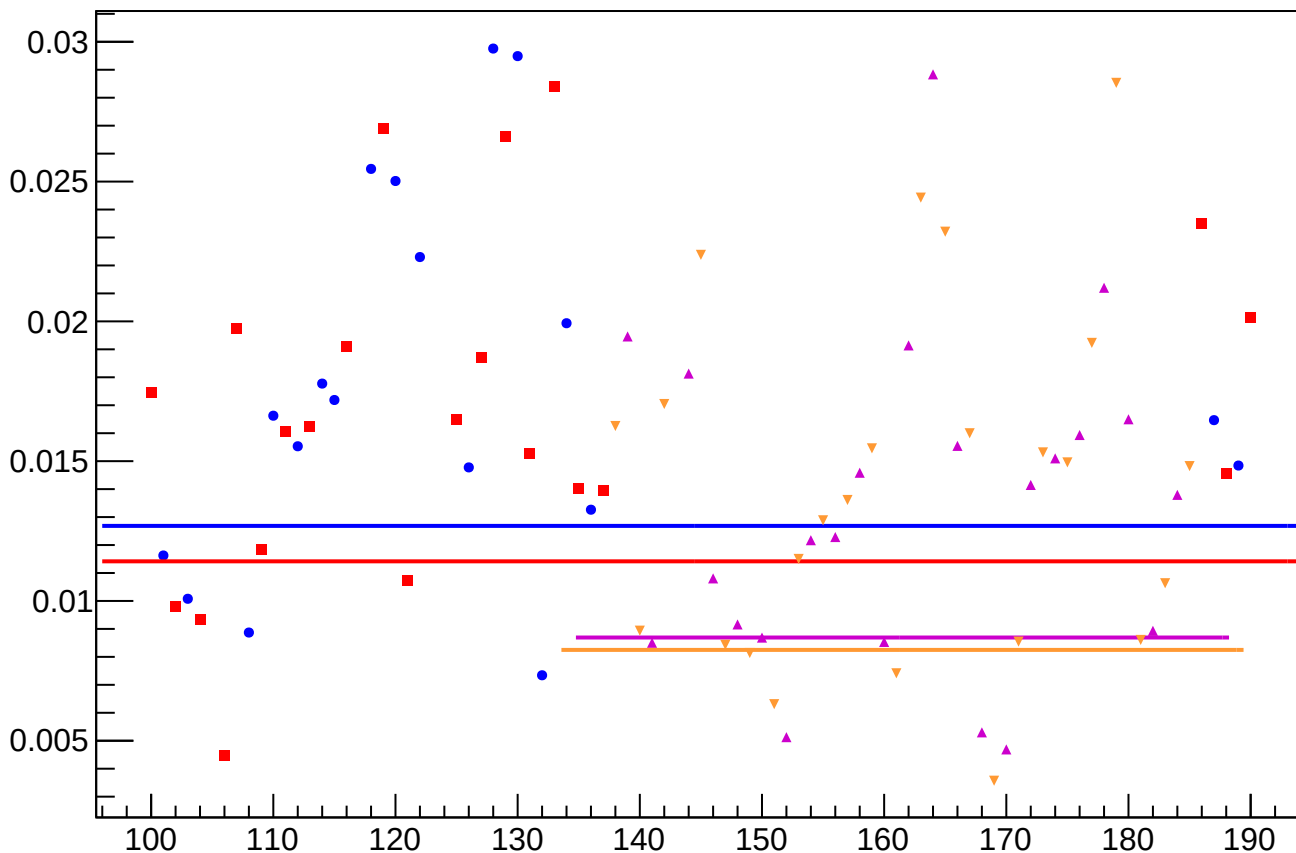
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.7/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 61.5/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 107.1/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 45.0/43

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 2157688.5/17

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 8879581.2/23

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 3445108.2/20

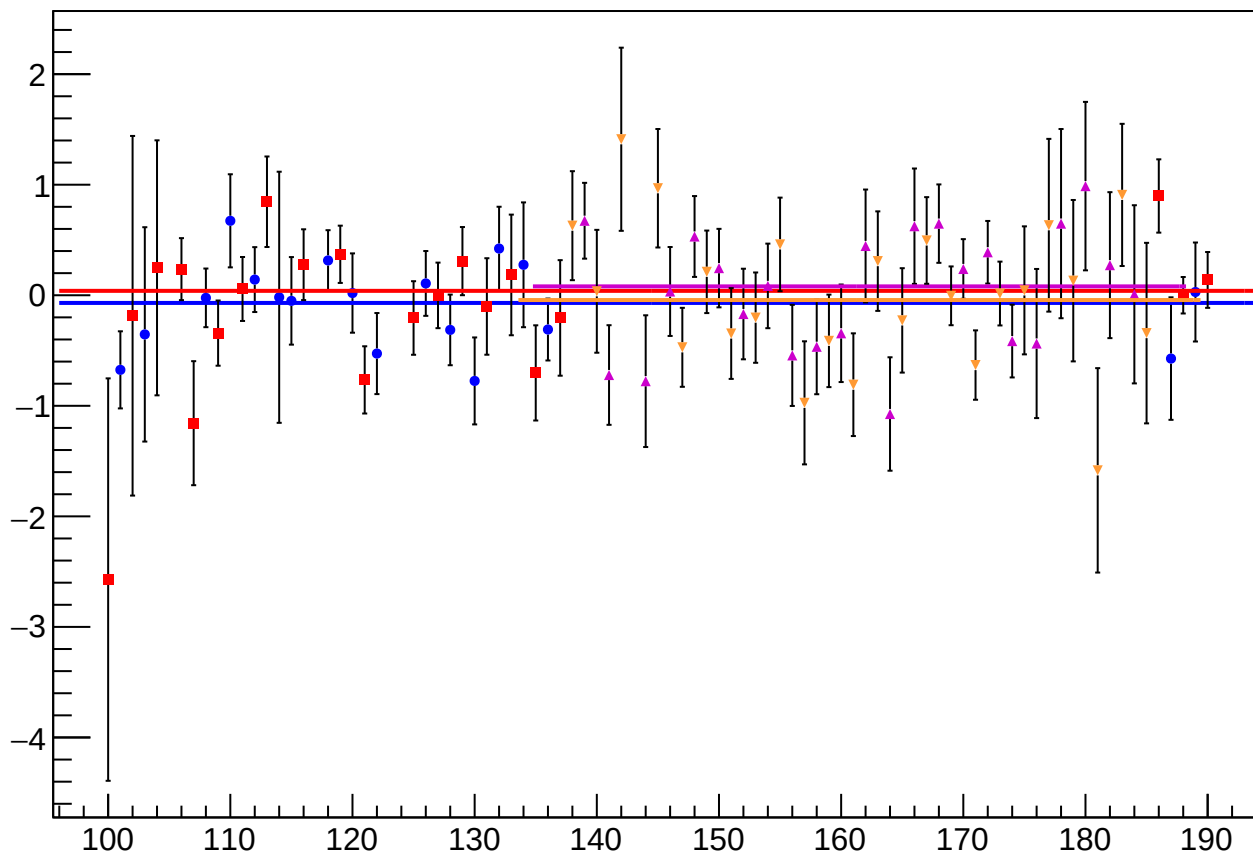
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 6875072.4/22

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 12384027.5/41

All: 0.009 $\pm$ 0.000 χ^2/NDF : 23336746.1/85

- sign 0.009 $\pm$ 0.000 χ^2/NDF : 10933509.8/43

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.069 ± 0.086 χ^2/NDF : 18.2/17

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: 0.040 ± 0.072 χ^2/NDF : 33.5/20

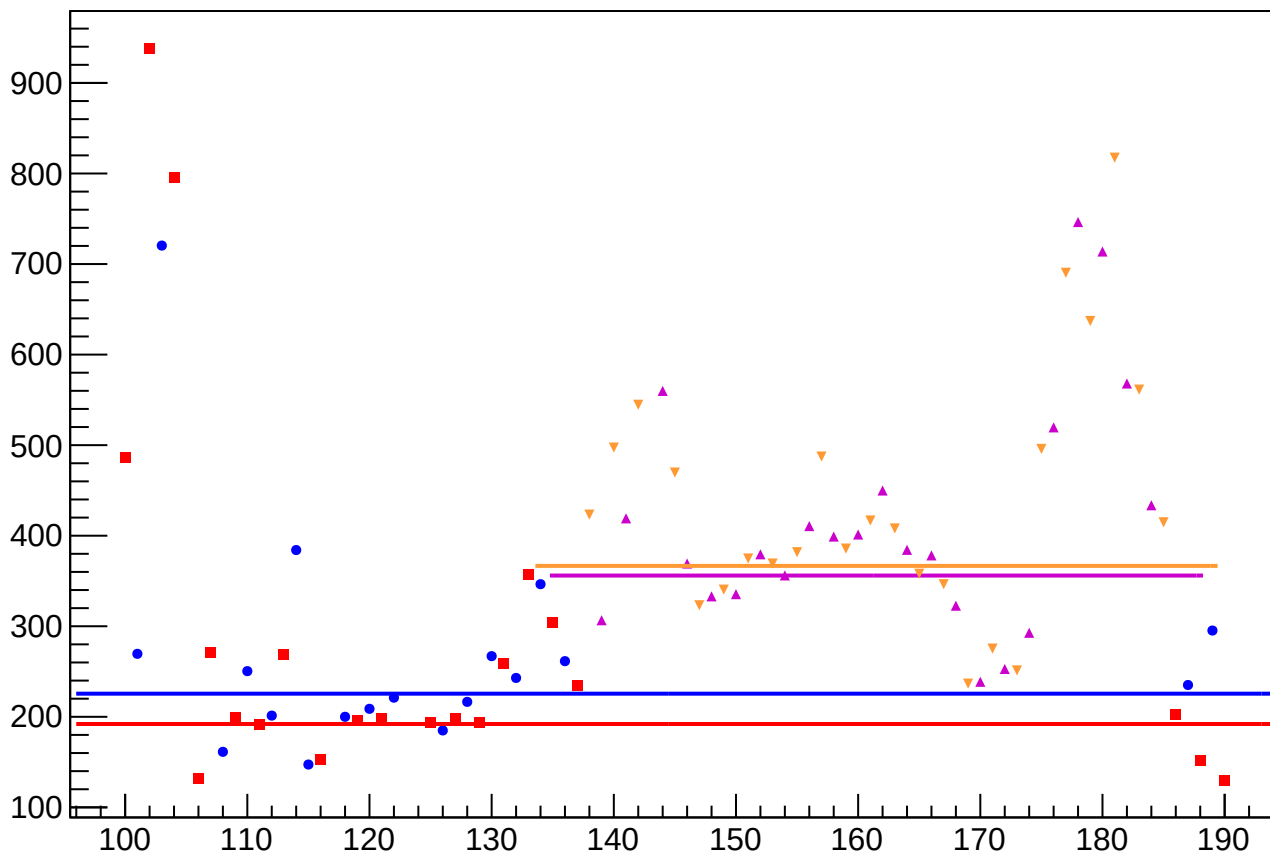
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign -0.057 ± 0.062 χ^2/NDF : 49.2/41

All: 0.006 ± 0.042 χ^2/NDF : 115.0/85

- sign 0.056 ± 0.056 χ^2/NDF : 64.0/43

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 225.546 $\pm$ 0.061 χ^2/NDF : 1070131.8/17

Left Out: 366.671 $\pm$ 0.064 χ^2/NDF : 2841292.6/23

Right Out: 192.056 $\pm$ 0.051 χ^2/NDF : 1877814.6/20

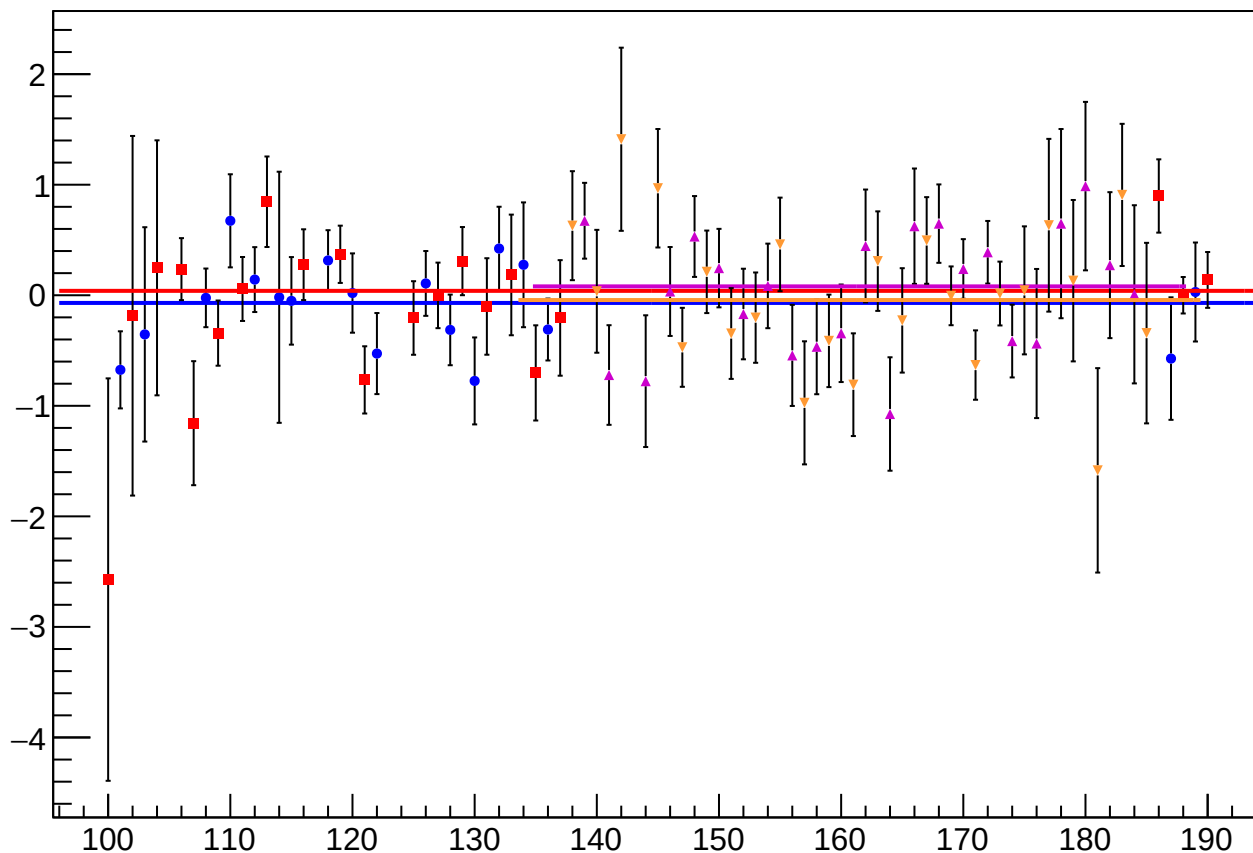
Left In: 355.993 $\pm$ 0.062 χ^2/NDF : 2420863.3/22

+ sign 292.478 $\pm$ 0.044 χ^2/NDF : 6470661.4/41

All: 273.386 $\pm$ 0.029 χ^2/NDF : 15273478.4/85

- sign 258.115 $\pm$ 0.039 χ^2/NDF : 8464695.9/43

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.069 ± 0.086 χ^2/NDF : 18.2/17

Left Out: -0.043 ± 0.090 χ^2/NDF : 31.0/23

Right Out: 0.040 ± 0.072 χ^2/NDF : 33.5/20

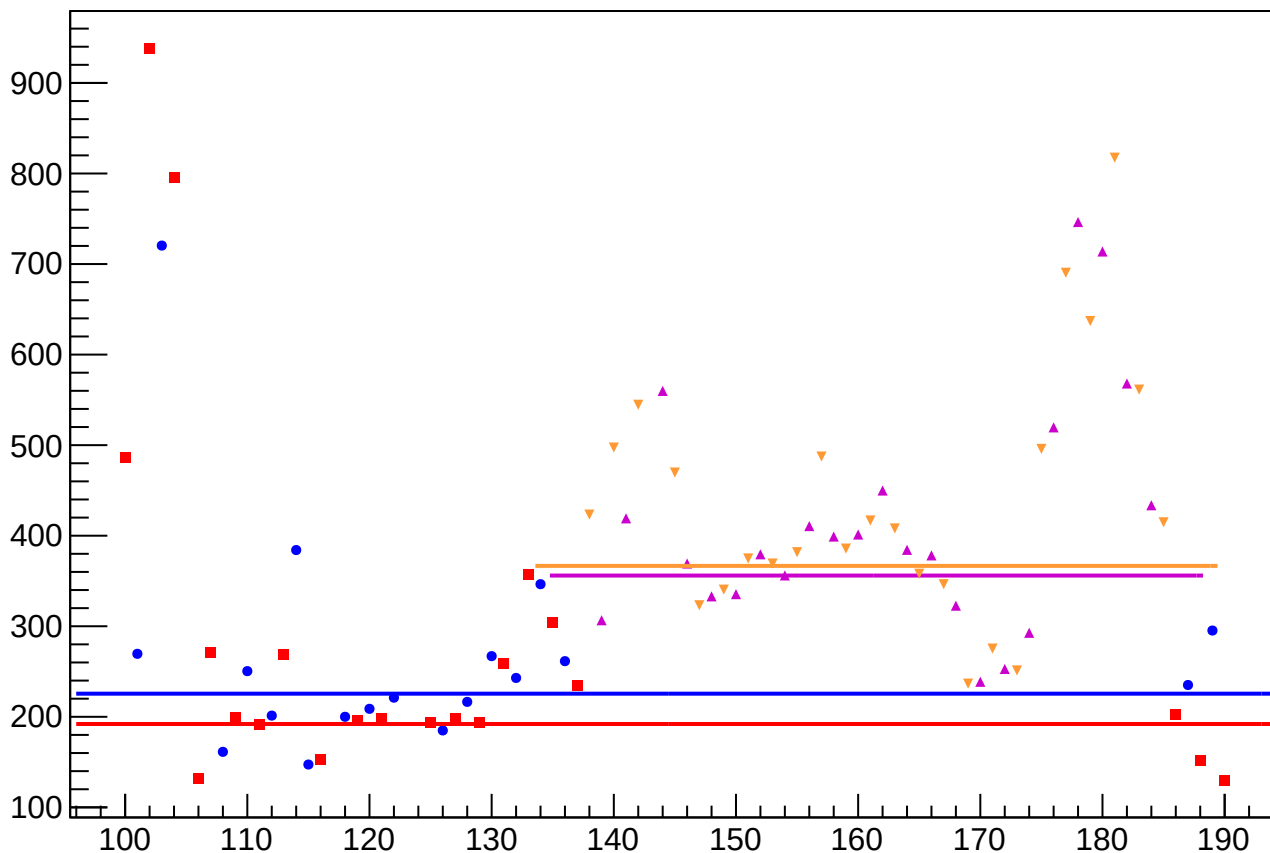
Left In: 0.080 ± 0.088 χ^2/NDF : 30.3/22

+ sign -0.057 ± 0.062 χ^2/NDF : 49.2/41

All: 0.006 ± 0.042 χ^2/NDF : 115.0/85

- sign 0.056 ± 0.056 χ^2/NDF : 64.0/43

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 225.546 $\pm$ 0.061 χ^2 /NDF: 1070131.8/17

Left Out: 366.671 $\pm$ 0.064 χ^2 /NDF: 2841292.6/23

Right Out: 192.056 $\pm$ 0.051 χ^2 /NDF: 1877814.6/20

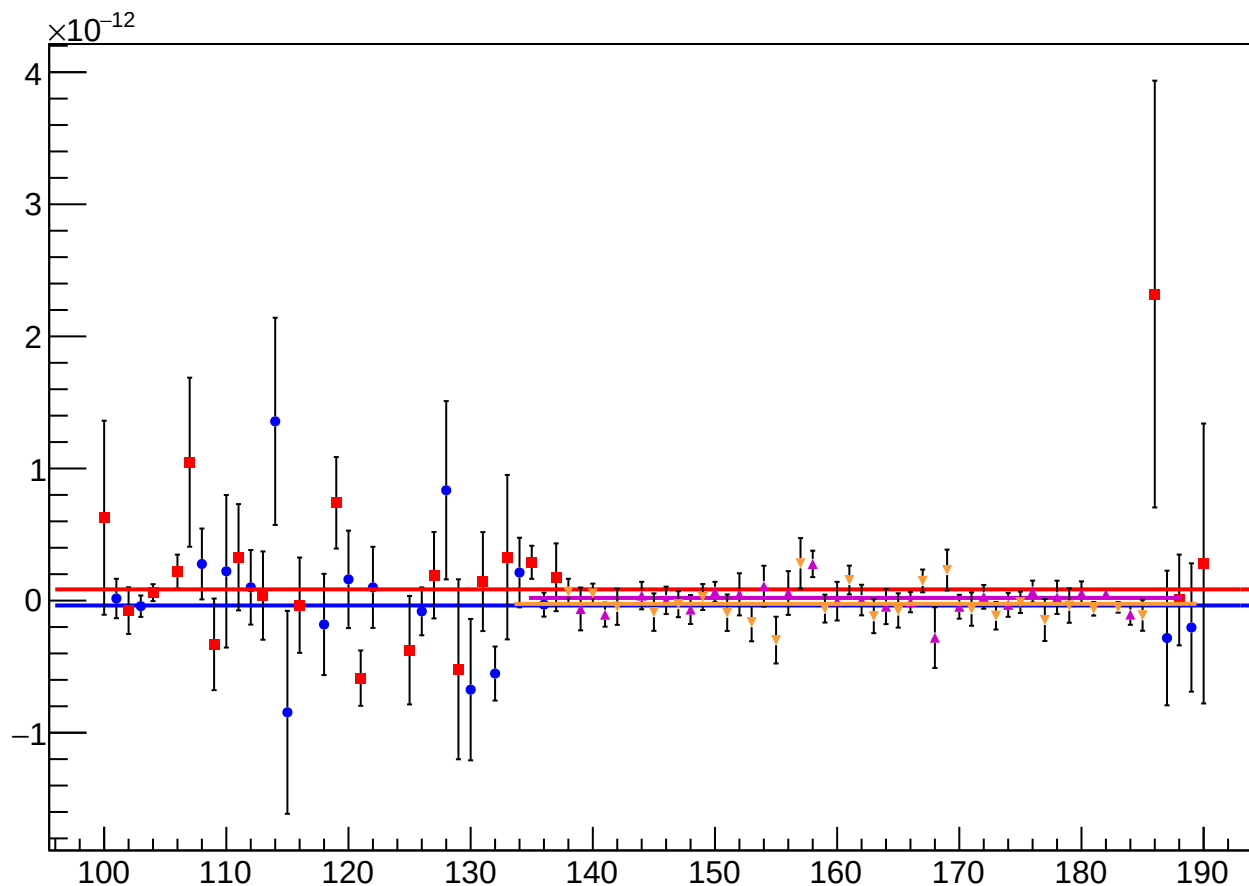
Left In: 355.993 $\pm$ 0.062 χ^2 /NDF: 2420863.3/22

+ sign 292.478 $\pm$ 0.044 χ^2 /NDF: 6470661.4/41

All: 273.386 $\pm$ 0.029 χ^2 /NDF: 15273478.4/85

- sign 258.115 $\pm$ 0.039 χ^2 /NDF: 8464695.9/43

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2 /NDF: 21.9/23

Right Out: 0.000+/-0.000 χ^2 /NDF: 27.8/20

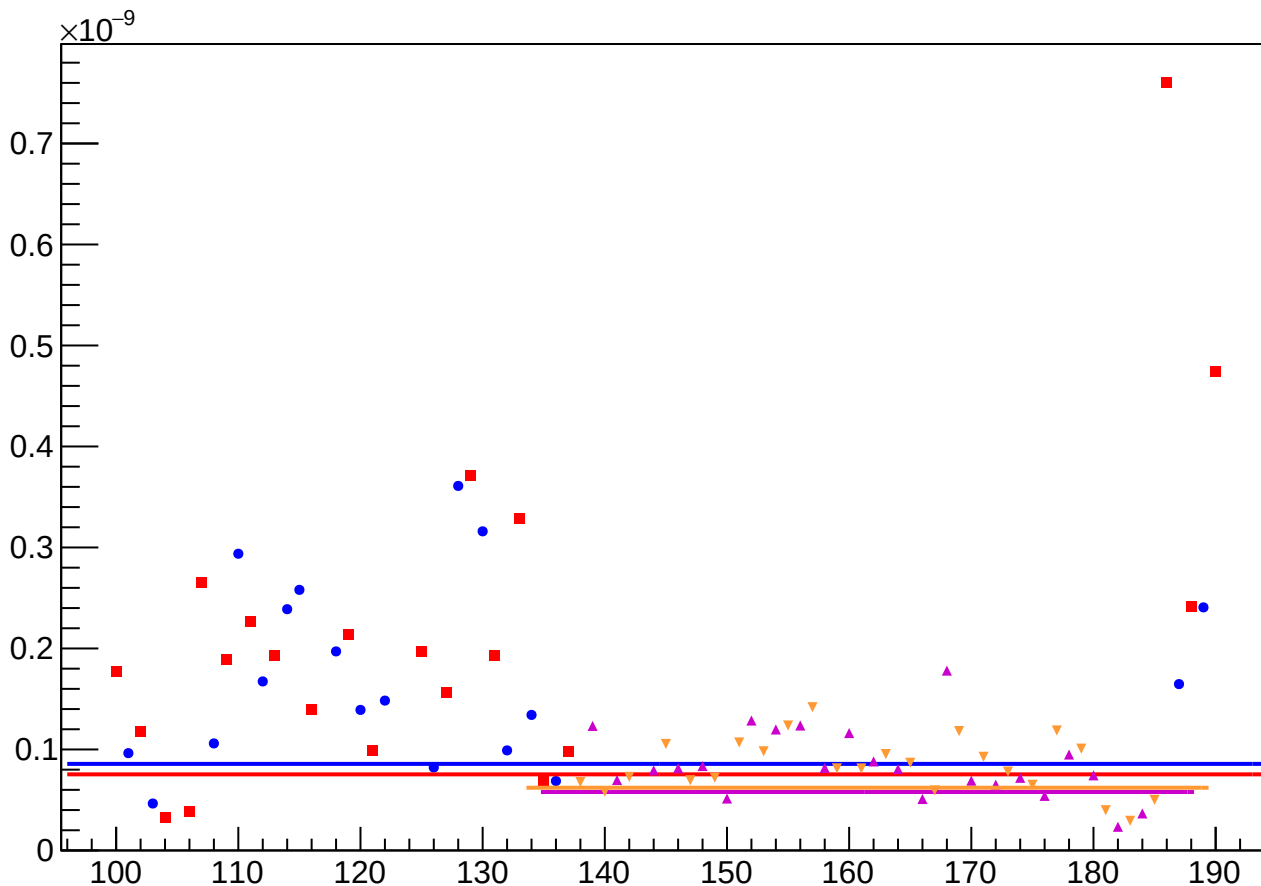
Left In: 0.000+/-0.000 χ^2 /NDF: 17.2/22

+ sign -0.000+/-0.000 χ^2 /NDF: 39.5/41

All: 0.000+/-0.000 χ^2 /NDF: 91.7/85

- sign 0.000+/-0.000 χ^2 /NDF: 46.9/43

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2491164.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4100152.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4872523.8/20

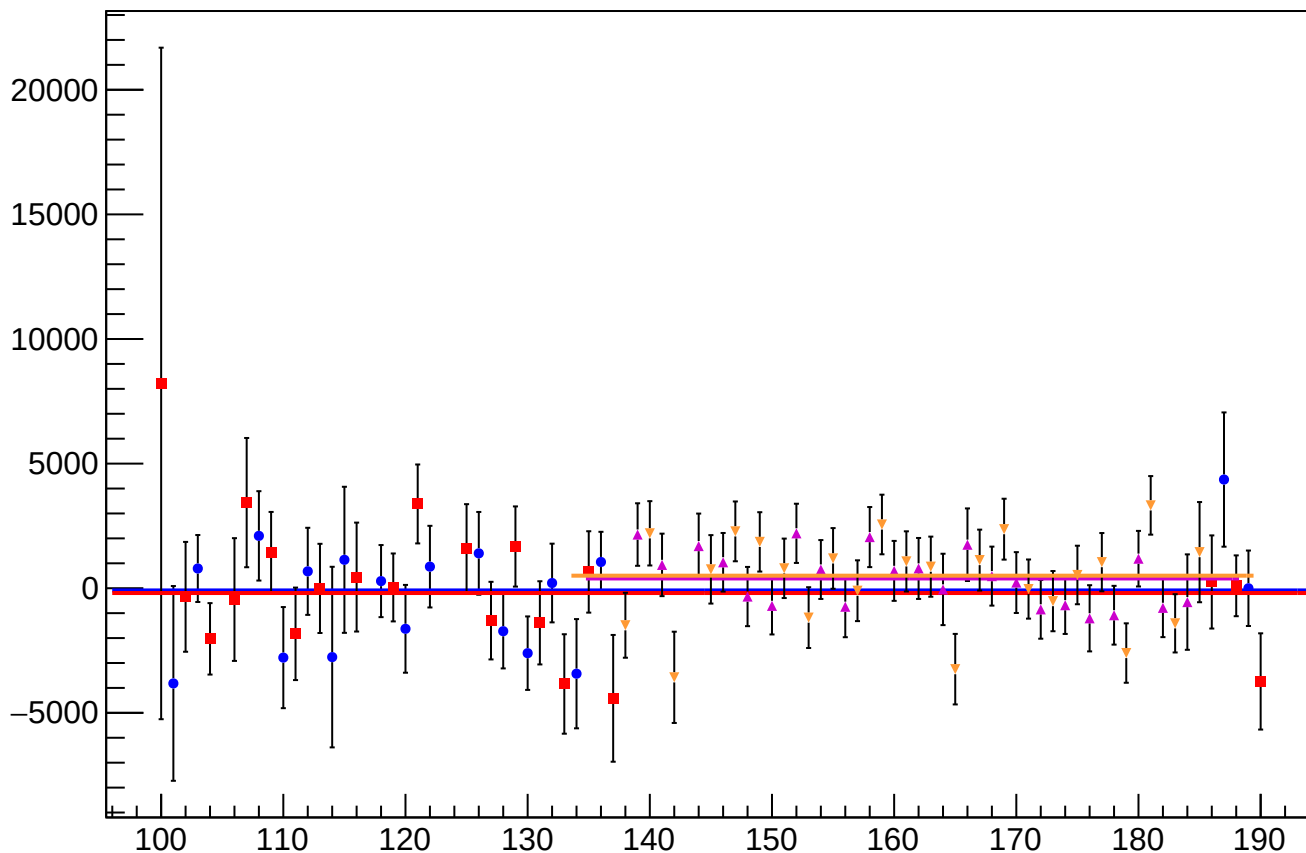
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5512617.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7028231.6/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 17768827.2/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10655586.4/43

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -88.434 ± 408.115 χ^2/NDF : 17.6/17

Left Out: 503.606 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -192.482 ± 388.789 χ^2/NDF : 24.2/20

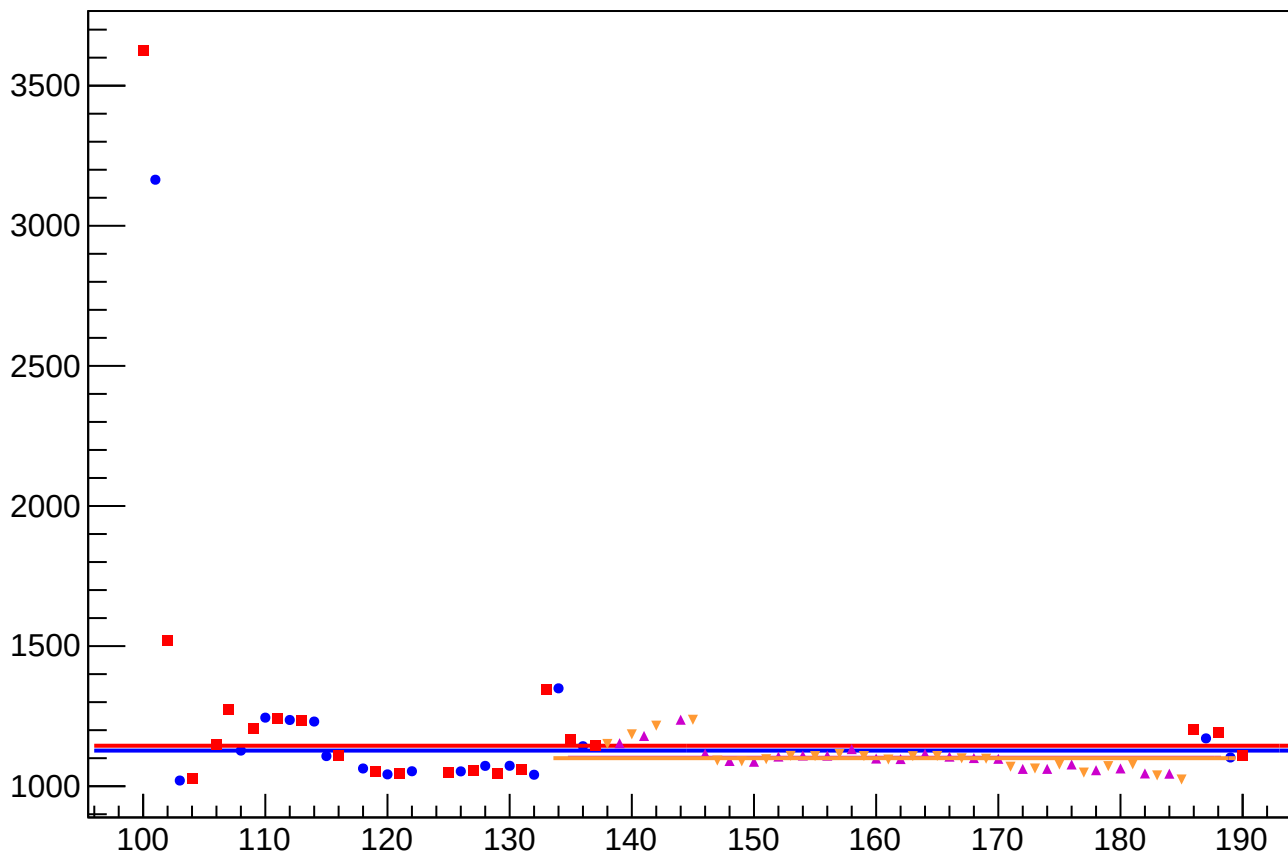
Left In: 391.701 ± 257.386 χ^2/NDF : 17.8/22

+ sign 336.873 ± 216.580 χ^2/NDF : 63.6/41

All: 274.720 ± 152.447 χ^2/NDF : 107.4/85

- sign 213.688 ± 214.617 χ^2/NDF : 43.6/43

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.135 $\pm$ 0.289 χ^2 /NDF: 622455.2/17

Left Out: 1100.063 $\pm$ 0.181 χ^2 /NDF: 58733.9/23

Right Out: 1144.464 $\pm$ 0.275 χ^2 /NDF: 226321.5/20

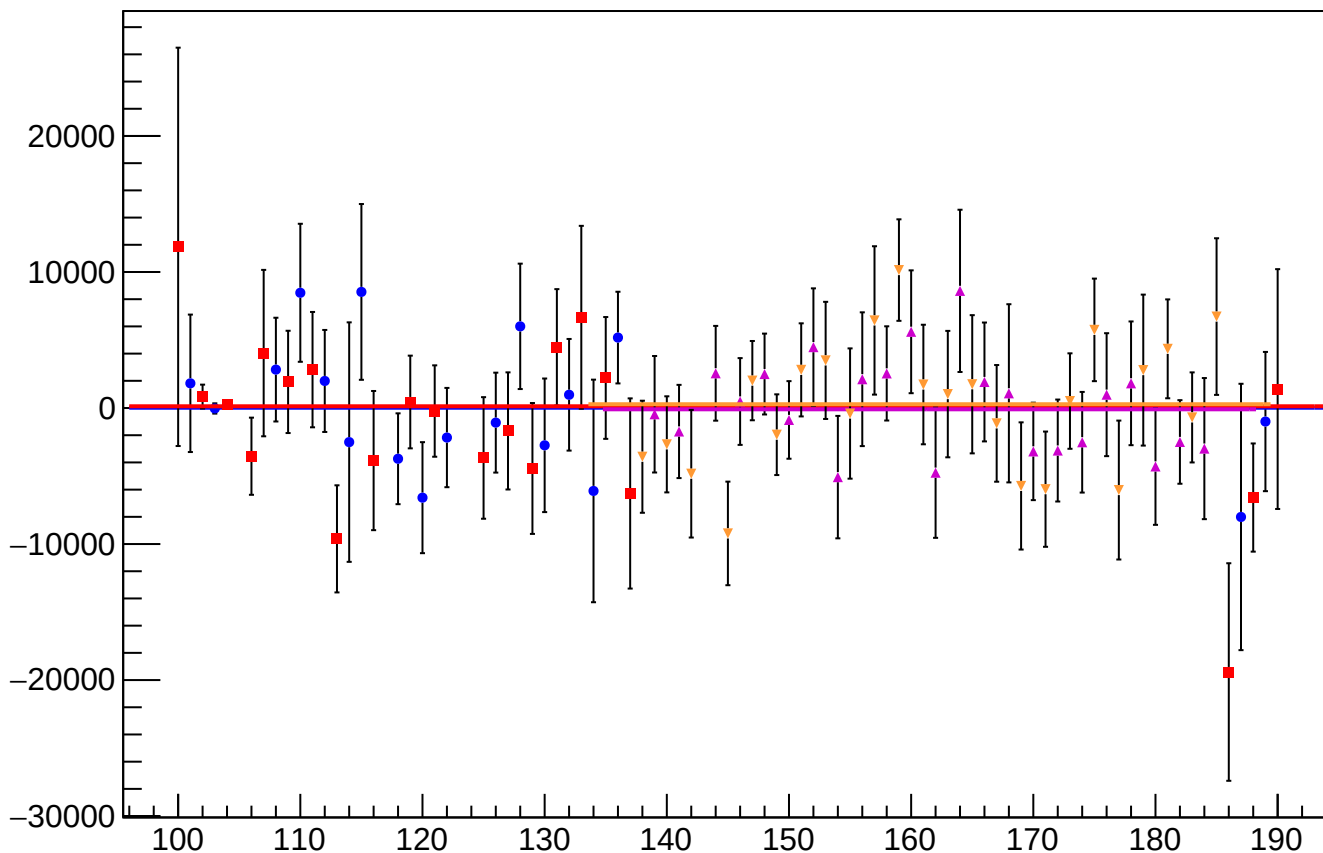
Left In: 1101.530 $\pm$ 0.182 χ^2 /NDF: 52145.9/22

+ sign 1107.687 $\pm$ 0.153 χ^2 /NDF: 687510.9/41

All: 1111.197 $\pm$ 0.108 χ^2 /NDF: 984011.5/85

- sign 1114.640 $\pm$ 0.152 χ^2 /NDF: 295460.3/43

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug



Right In: 22.616+/-356.545 χ^2/NDF : 15.6/17

Left Out: 277.507+/-820.501 χ^2/NDF : 29.9/23

Right Out: 127.421+/-321.017 χ^2/NDF : 24.5/20

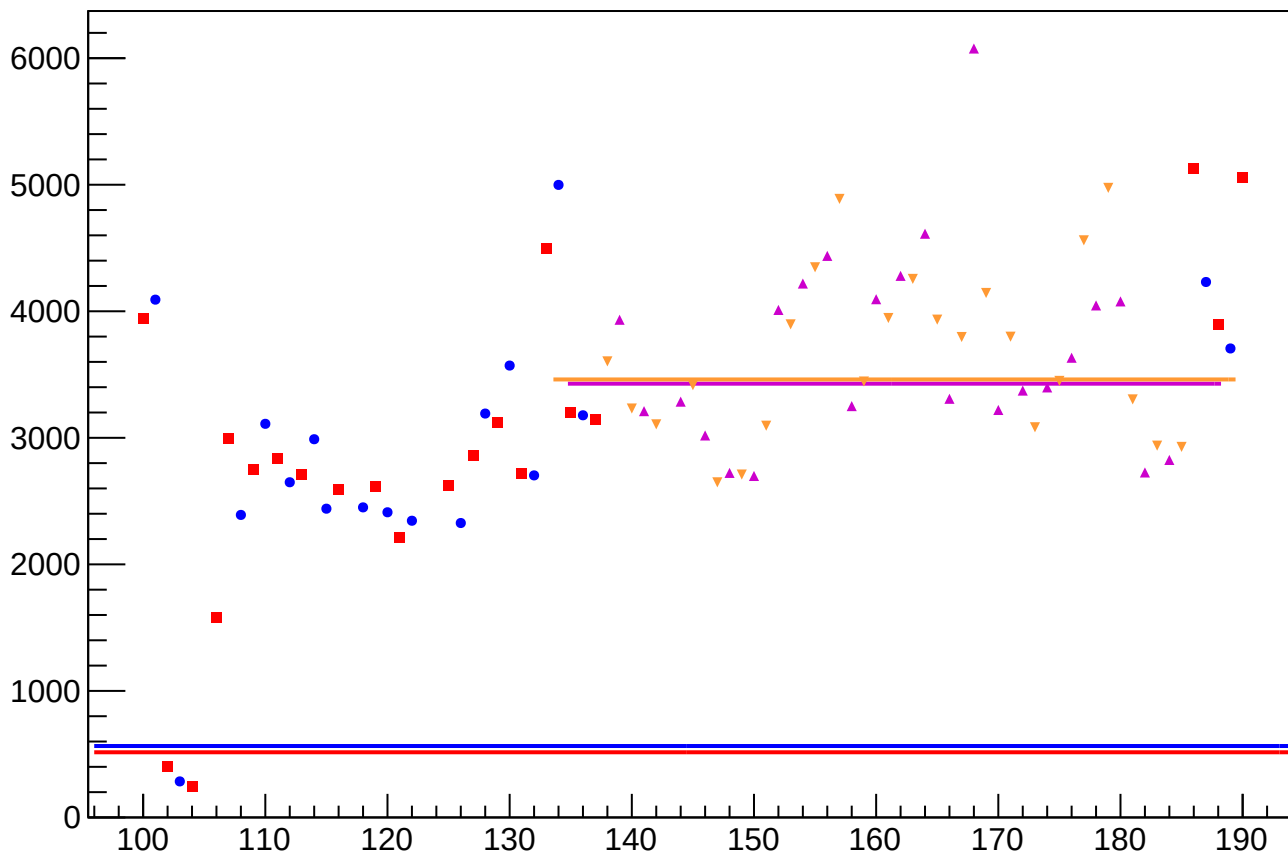
Left In: -94.734+/-817.223 χ^2/NDF : 13.7/22

+ sign 63.102+/-327.005 χ^2/NDF : 45.5/41

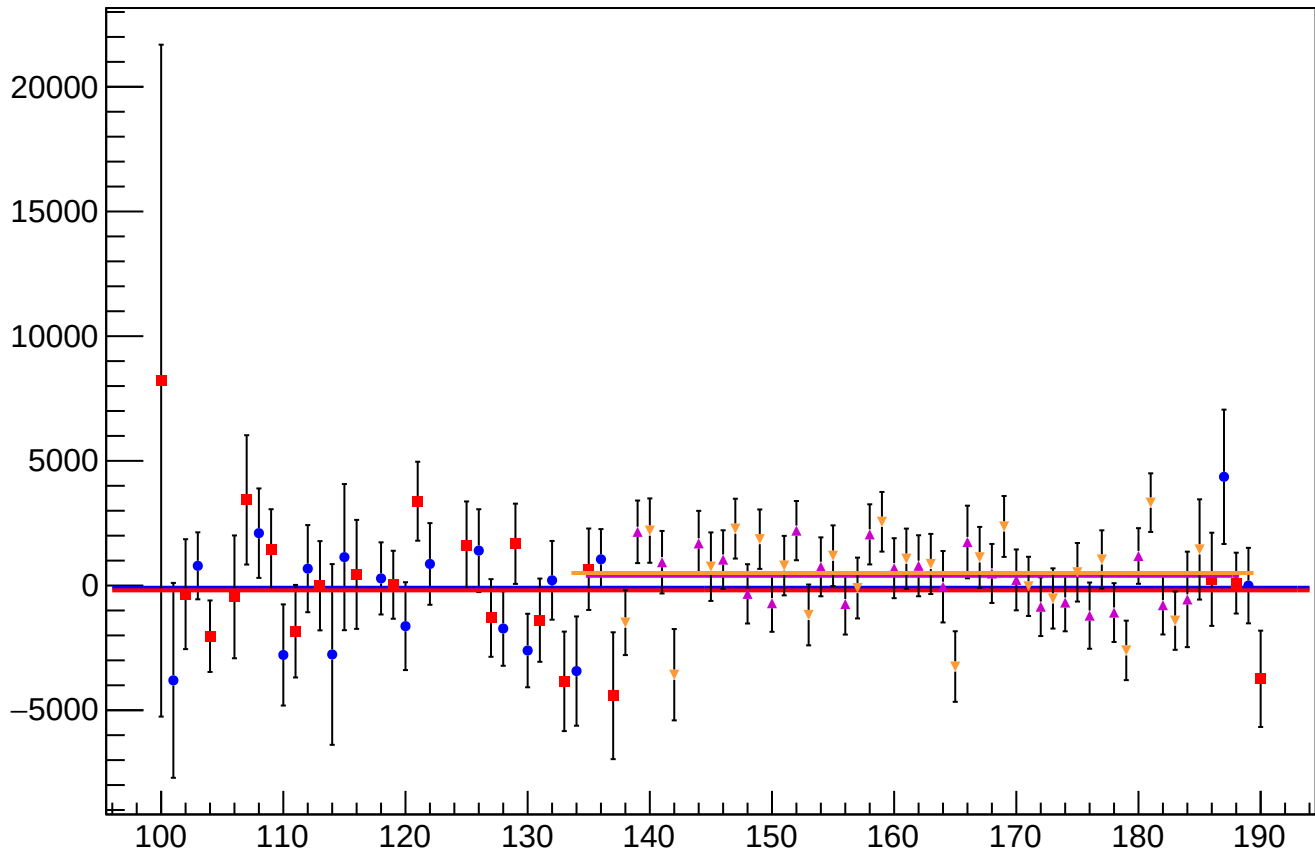
All: 81.971+/-220.579 χ^2/NDF : 83.8/85

- sign 97.724+/-298.791 χ^2/NDF : 38.2/43

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug



cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -88.254 ± 408.115 χ^2/NDF : 17.6/17

Left Out: 503.679 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -192.603 ± 388.789 χ^2/NDF : 24.2/20

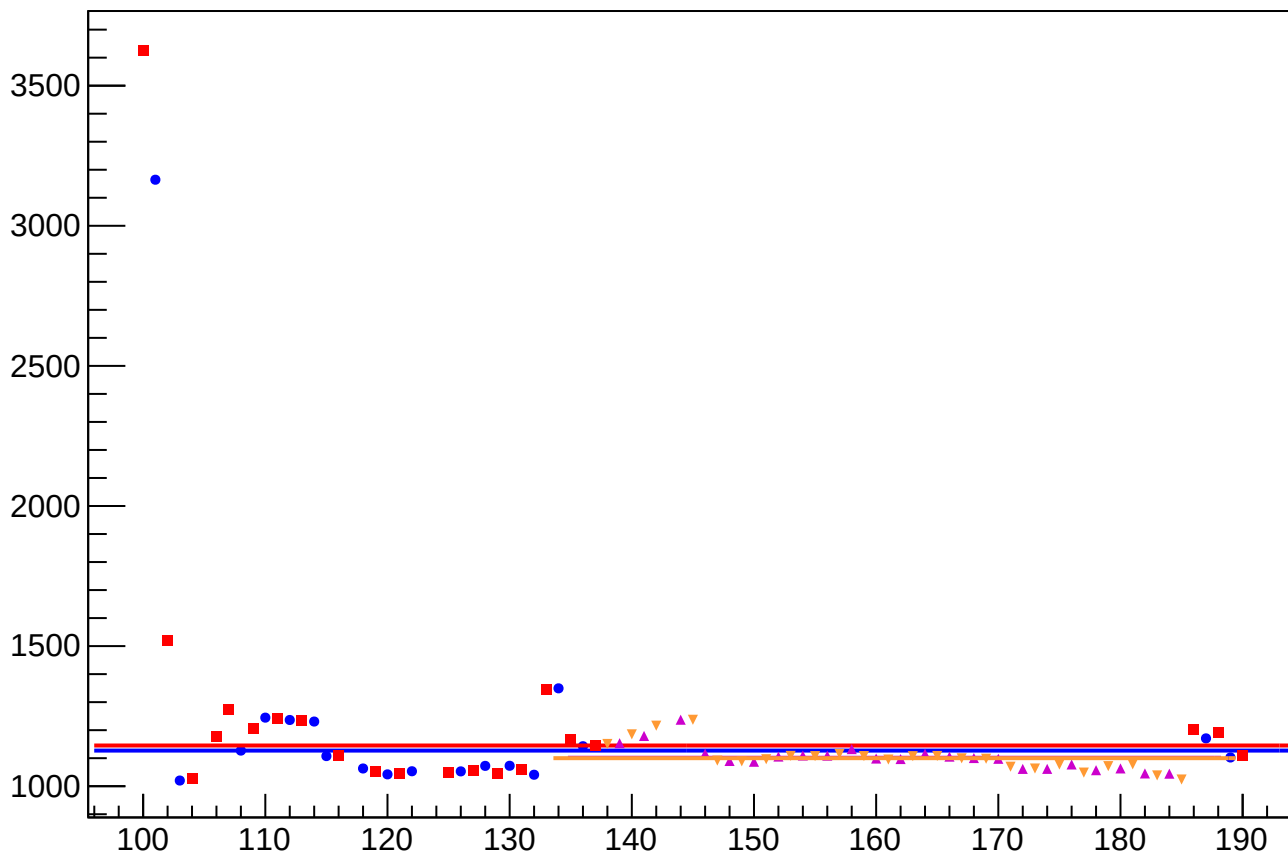
Left In: 391.689 ± 257.386 χ^2/NDF : 17.8/22

+ sign 336.976 ± 216.580 χ^2/NDF : 63.6/41

All: 274.748 ± 152.447 χ^2/NDF : 107.4/85

- sign 213.643 ± 214.617 χ^2/NDF : 43.6/43

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.135+/-0.289 χ^2/NDF : 622456.4/17

Left Out: 1100.063+/-0.181 χ^2/NDF : 58733.9/23

Right Out: 1145.260+/-0.275 χ^2/NDF : 226706.3/20

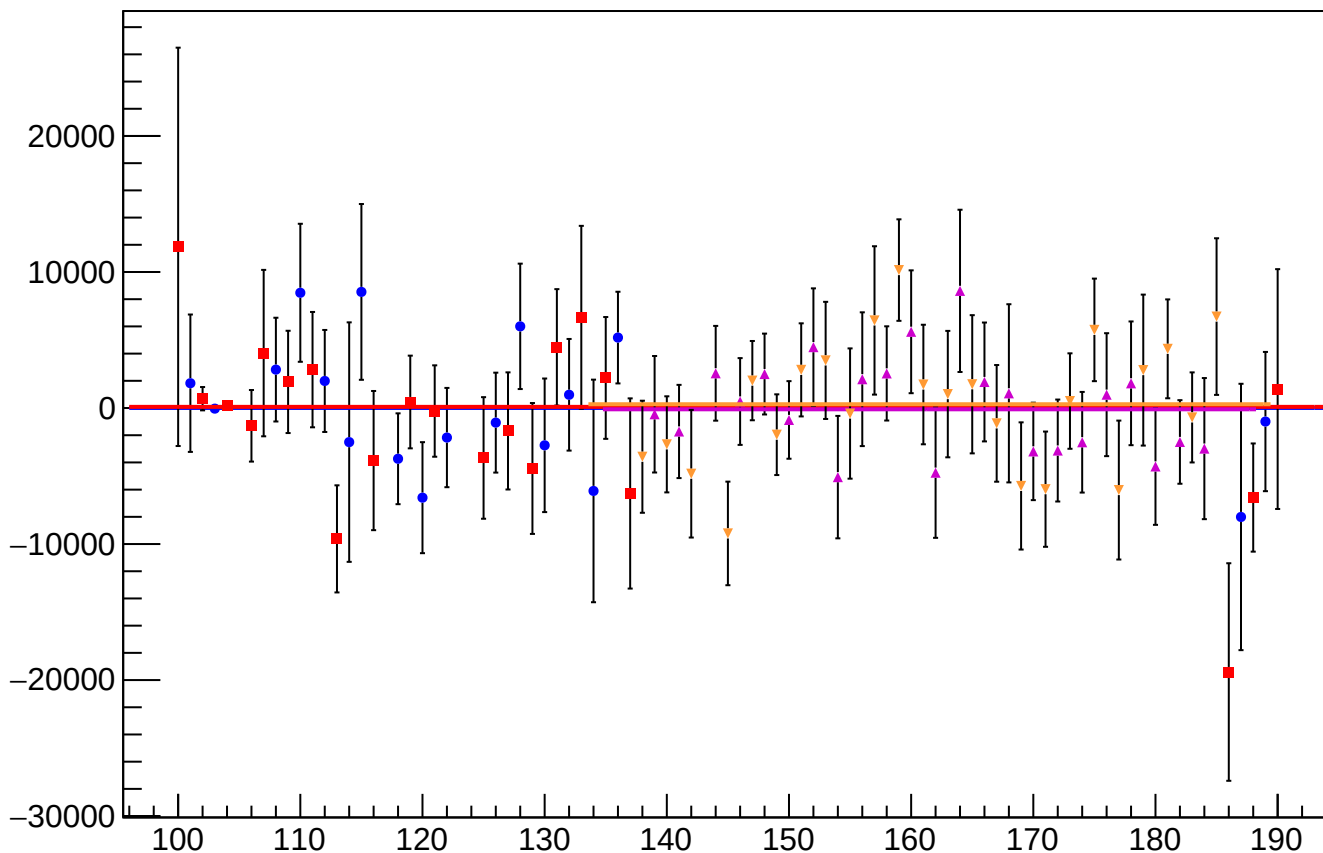
Left In: 1101.530+/-0.182 χ^2/NDF : 52145.9/22

+ sign 1107.687+/-0.153 χ^2/NDF : 687511.9/41

All: 1111.309+/-0.108 χ^2/NDF : 985075.9/85

- sign 1114.864+/-0.152 χ^2/NDF : 296455.9/43

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug



Right In: 7.179 ± 343.536 $\chi^2/\text{NDF}: 15.6/17$

Left Out: 277.536 ± 820.502 $\chi^2/\text{NDF}: 29.9/23$

Right Out: 84.768 ± 315.911 $\chi^2/\text{NDF}: 22.8/20$

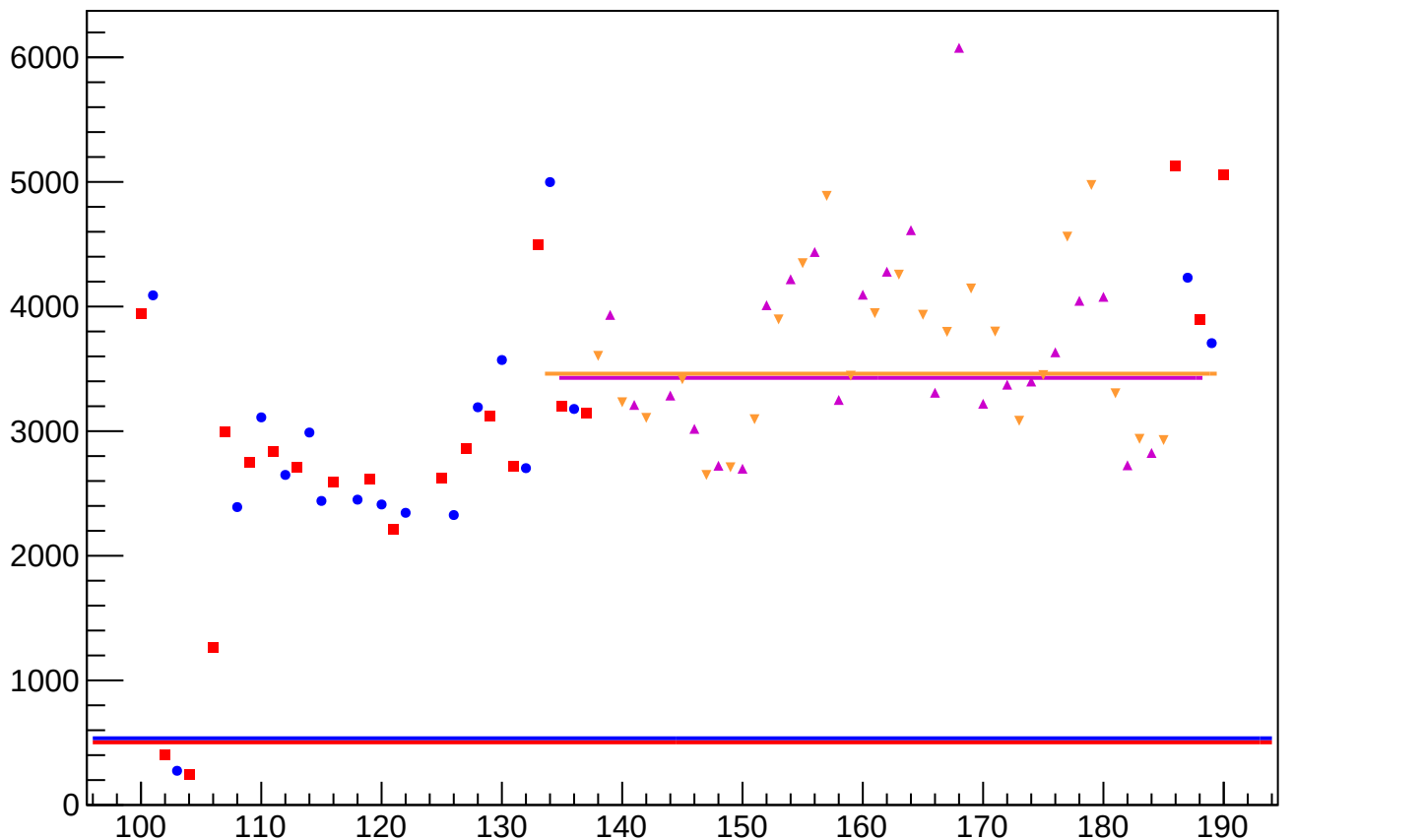
Left In: -94.742 ± 817.222 $\chi^2/\text{NDF}: 13.7/22$

+ sign 47.504 ± 316.882 $\chi^2/\text{NDF}: 45.5/41$

All: 54.973 ± 215.785 $\chi^2/\text{NDF}: 82.1/85$

- sign 61.431 ± 294.661 $\chi^2/\text{NDF}: 36.5/43$

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug



Right In: 535.239+/-0.243 χ^2/NDF : 10893269.6/17

Left Out: 3461.261+/-0.580 χ^2/NDF : 1058691.8/23

Right Out: 502.841+/-0.223 χ^2/NDF : 11792070.8/20

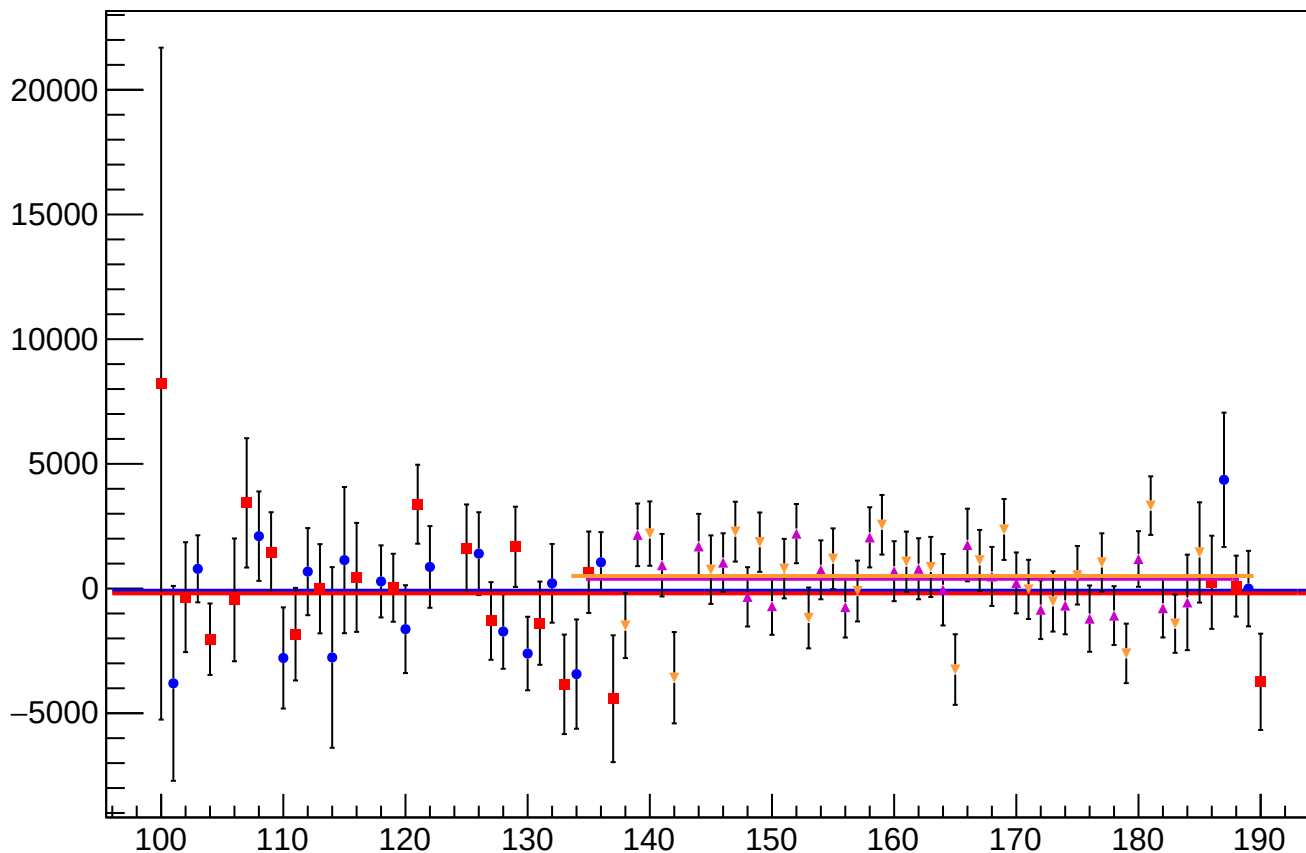
Left In: 3427.857+/-0.578 χ^2/NDF : 1243147.4/22

+ sign 971.668+/-0.224 χ^2/NDF : 33592947.6/41

All: 924.177+/-0.153 χ^2/NDF : 69002545.9/83

- sign 883.112+/-0.208 χ^2/NDF : 35325832.6/43

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -88.254 ± 408.115 χ^2/NDF : 17.6/17

Left Out: 503.679 ± 255.531 χ^2/NDF : 44.6/23

Right Out: -192.603 ± 388.789 χ^2/NDF : 24.2/20

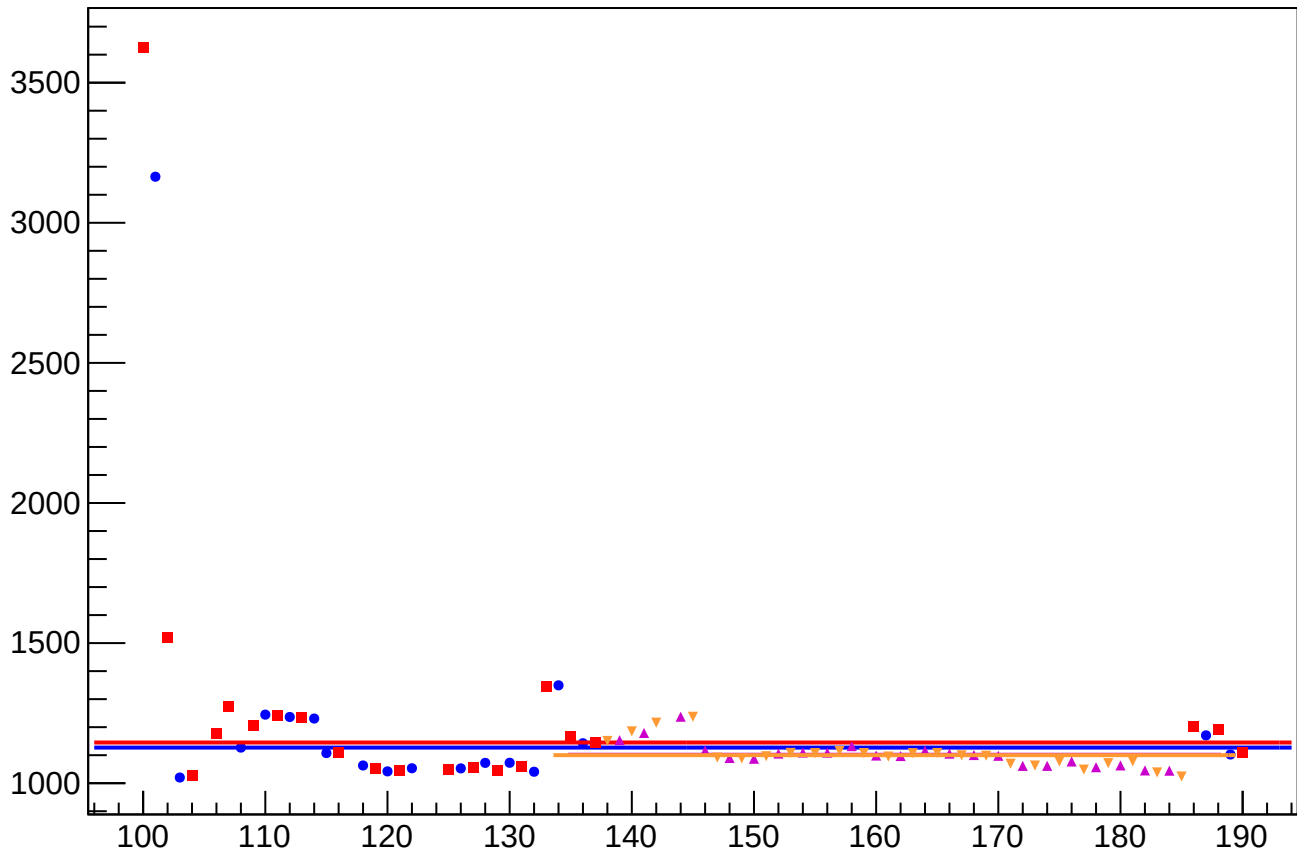
Left In: 391.689 ± 257.386 χ^2/NDF : 17.8/22

+ sign 336.976 ± 216.580 χ^2/NDF : 63.6/41

All: 274.748 ± 152.447 χ^2/NDF : 107.4/85

- sign 213.643 ± 214.617 χ^2/NDF : 43.6/43

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.135+/-0.289 χ^2/NDF : 622456.4/17

Left Out: 1100.063+/-0.181 χ^2/NDF : 58733.9/23

Right Out: 1145.260+/-0.275 χ^2/NDF : 226706.3/20

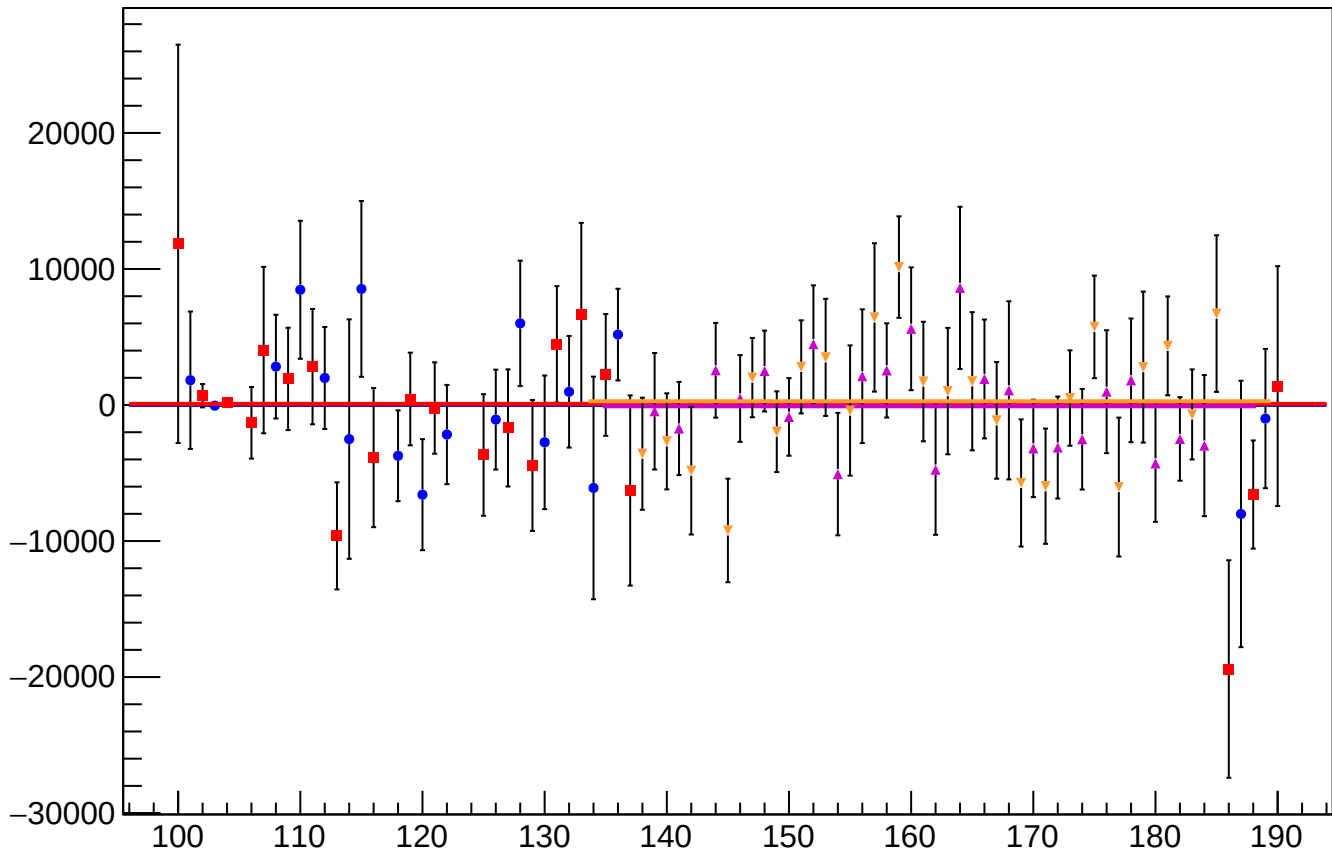
Left In: 1101.530+/-0.182 χ^2/NDF : 52145.9/22

+ sign 1107.687+/-0.153 χ^2/NDF : 687511.9/41

All: 1111.309+/-0.108 χ^2/NDF : 985075.9/85

- sign 1114.864+/-0.152 χ^2/NDF : 296455.9/43

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 7.179+/-343.536 χ^2/NDF : 15.6/17

Left Out: 277.536+/-820.502 χ^2/NDF : 29.9/23

Right Out: 84.768+/-315.911 χ^2/NDF : 22.8/20

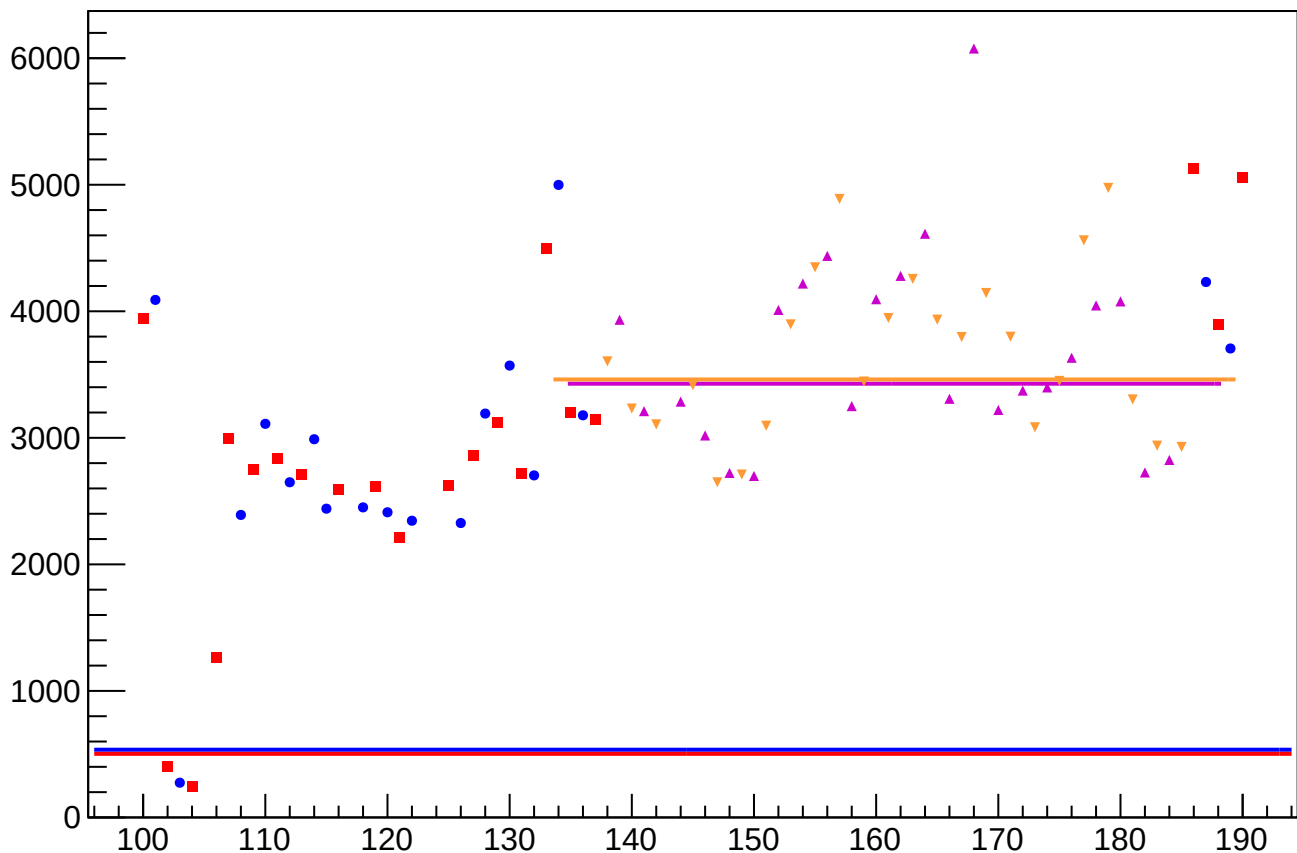
Left In: -94.742+/-817.222 χ^2/NDF : 13.7/22

+ sign 47.504+/-316.882 χ^2/NDF : 45.5/41

All: 54.973+/-215.785 χ^2/NDF : 82.1/85

- sign 61.431+/-294.661 χ^2/NDF : 36.5/43

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug



Right In: 535.239+/-0.243 χ^2/NDF : 10893269.6/17

Left Out: 3461.261+/-0.580 χ^2/NDF : 1058691.8/23

Right Out: 502.841+/-0.223 χ^2/NDF : 11792070.8/20

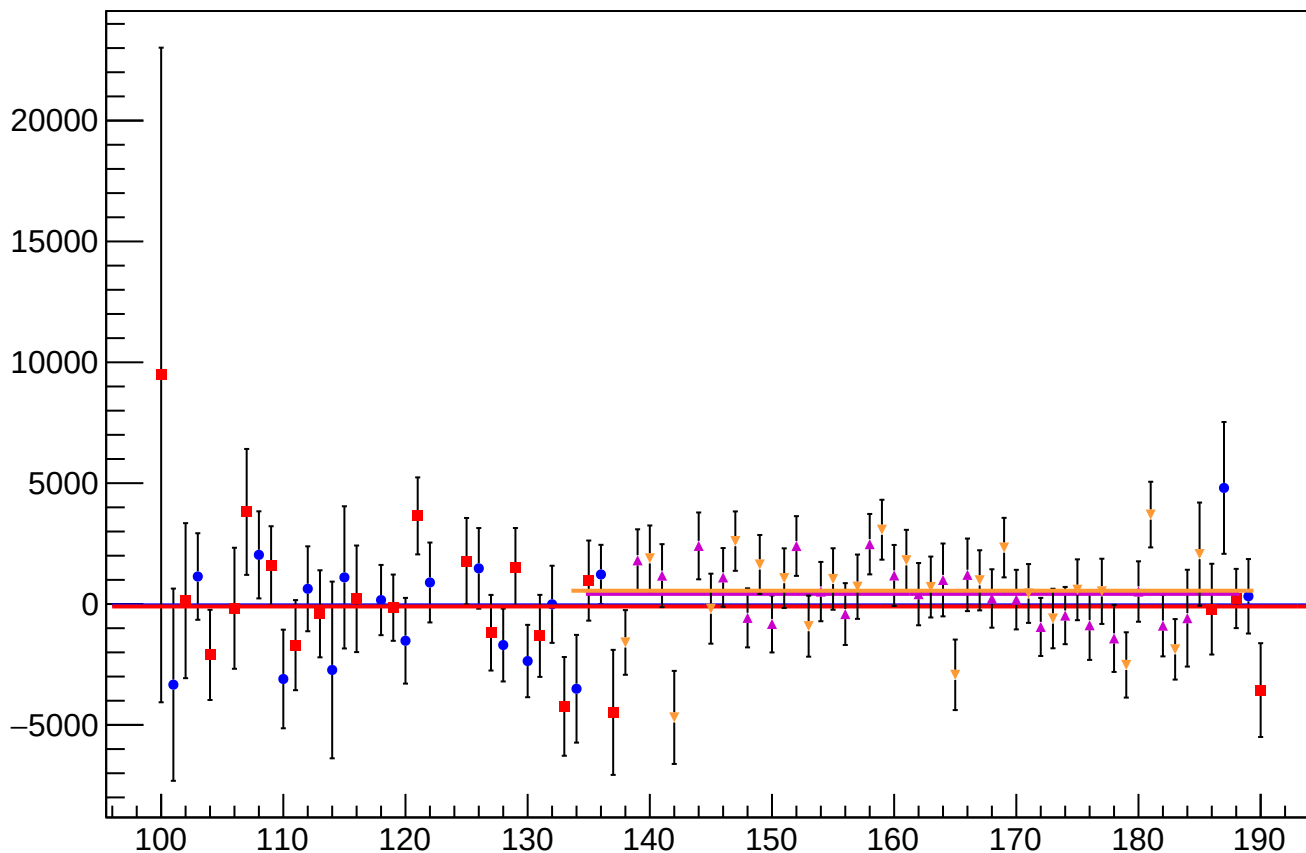
Left In: 3427.857+/-0.578 χ^2/NDF : 1243147.4/22

+ sign 971.668+/-0.224 χ^2/NDF : 33592947.6/41

All: 924.177+/-0.153 χ^2/NDF : 69002545.9/83

- sign 883.112+/-0.208 χ^2/NDF : 35325832.6/43

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -54.038 ± 420.373 χ^2/NDF : 17.7/17

Left Out: 550.661 ± 269.206 χ^2/NDF : 45.2/23

Right Out: -100.617 ± 401.103 χ^2/NDF : 25.0/20

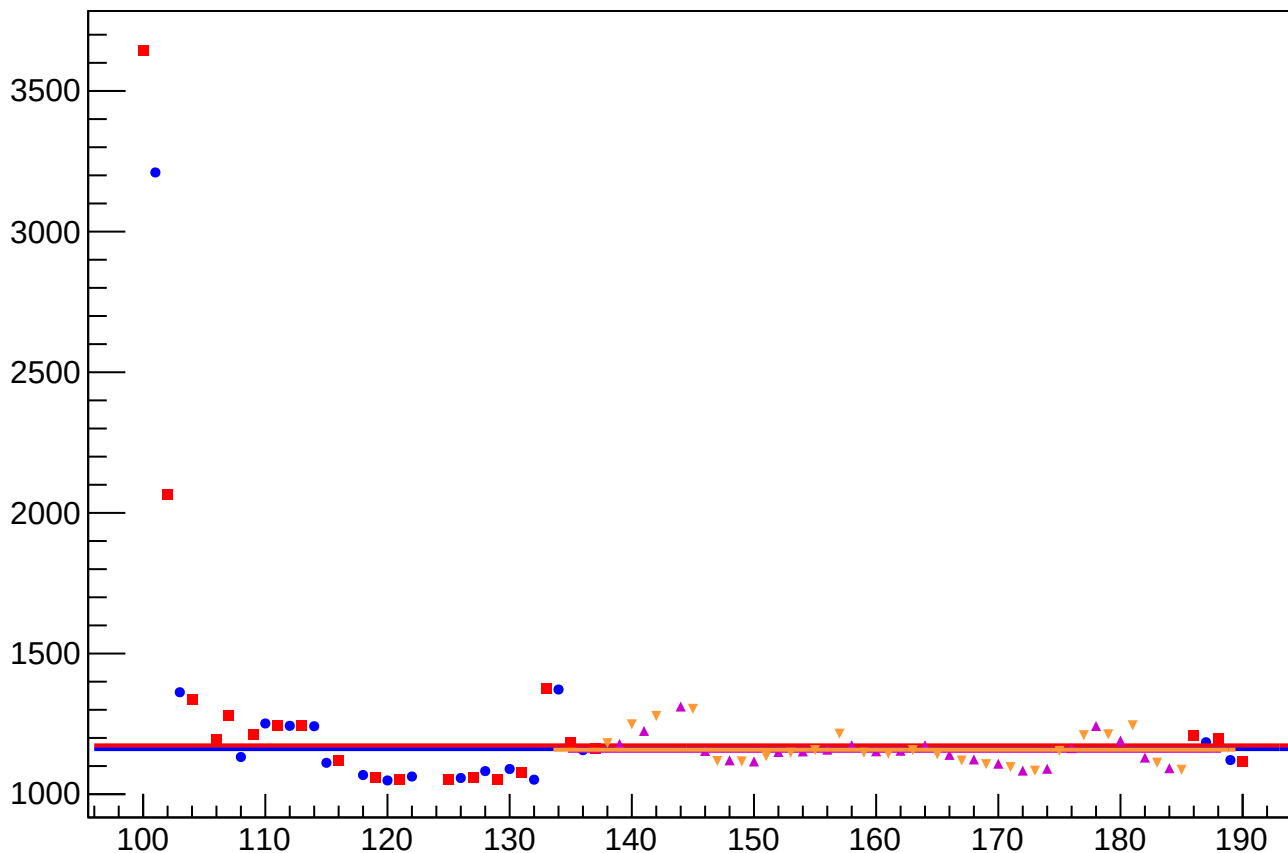
Left In: 421.023 ± 269.815 χ^2/NDF : 18.0/22

+ sign 374.793 ± 226.704 χ^2/NDF : 64.4/41

All: 315.924 ± 159.295 χ^2/NDF : 108.7/85

- sign 258.515 ± 223.876 χ^2/NDF : 44.2/43

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1160.278+/-0.297 χ^2/NDF : 636860.6/17

Left Out: 1158.177+/-0.190 χ^2/NDF : 84111.8/23

Right Out: 1173.564+/-0.284 χ^2/NDF : 334853.3/20

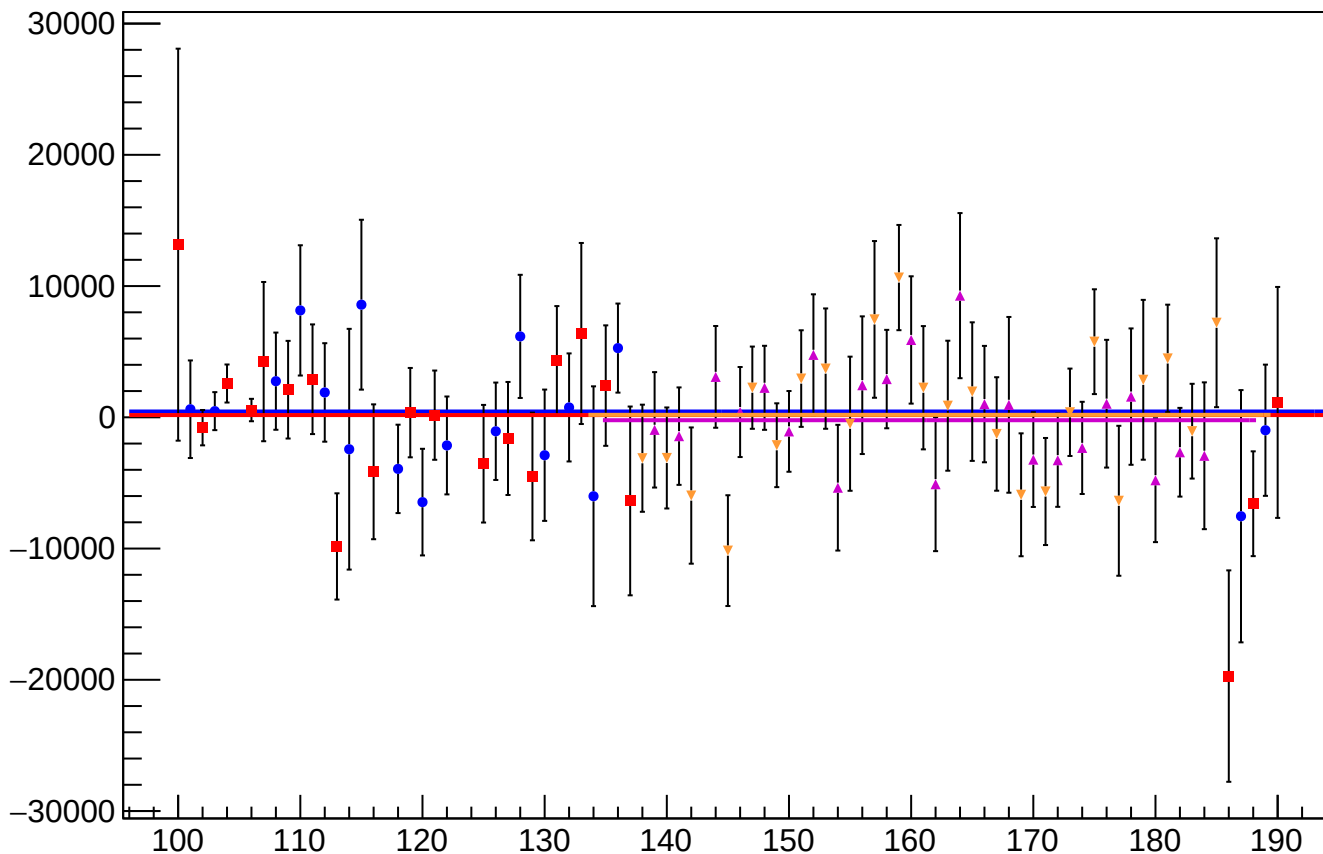
Left In: 1154.231+/-0.191 χ^2/NDF : 66476.9/22

+ sign 1158.788+/-0.160 χ^2/NDF : 721007.8/41

All: 1159.532+/-0.113 χ^2/NDF : 1125581.3/85

- sign 1160.257+/-0.158 χ^2/NDF : 404531.0/43

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 442.844 $\pm$ 857.628 χ^2 /NDF: 15.2/17

Left Out: 189.735 $\pm$ 869.432 χ^2 /NDF:29.3/23

Right Out: 170.555 $\pm$ 557.797 χ^2 /NDF: 25.8/20

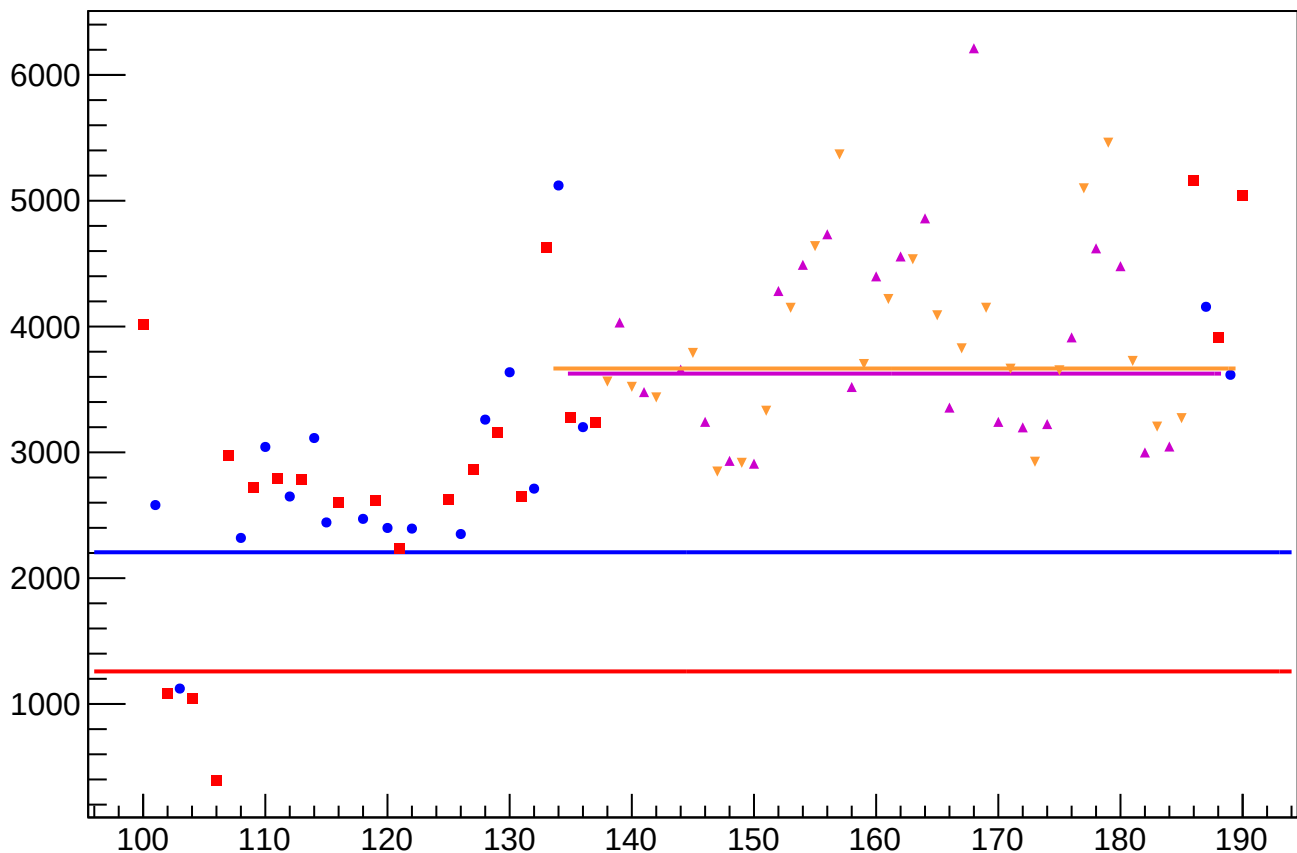
Left In: -221.361 $\pm$ 864.775 χ^2 /NDF:13.4/22

+ sign 318.019 $\pm$ 610.565 χ^2 /NDF: 44.5/41

All: 152.791 $\pm$ 371.809 χ^2 /NDF: 84.0/85

- sign 55.406 $\pm$ 468.745 χ^2 /NDF: 39.3/43

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2205.883+/-0.606 χ^2/NDF : 2225564.6/17

Left Out: 3666.536+/-0.615 χ^2/NDF : 1095831.4/23

Right Out: 1258.765+/-0.394 χ^2/NDF : 7588141.7/20

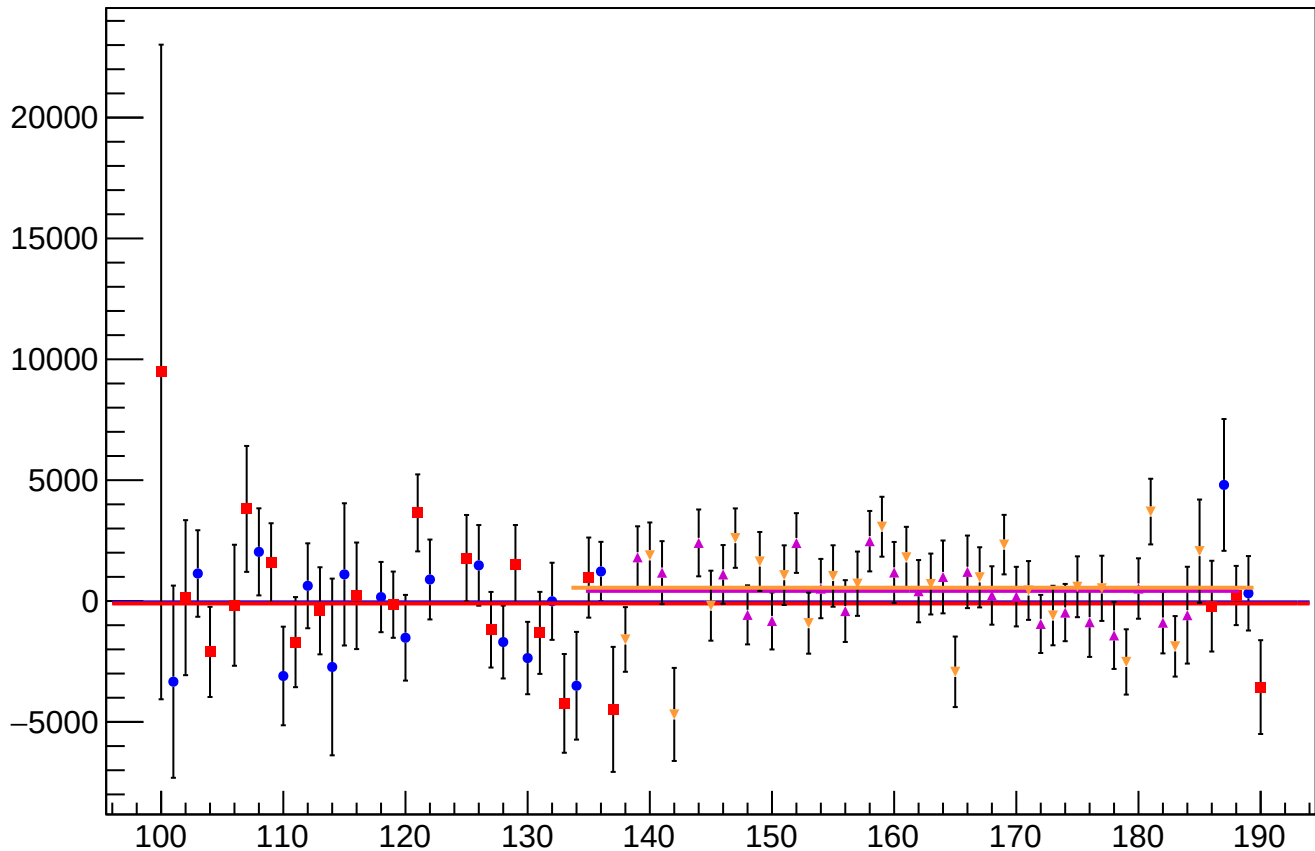
Left In: 3625.940+/-0.611 χ^2/NDF : 1257928.4/22

+ sign 2926.226+/-0.432 χ^2/NDF : 6182401.9/41

All: 2314.699+/-0.263 χ^2/NDF : 28800207.8/8

- sign 1954.266+/-0.331 χ^2/NDF : 19428986.9/43

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -54.040 ± 420.373 χ^2/NDF : 17.7/17

Left Out: 550.663 ± 269.206 χ^2/NDF : 45.2/23

Right Out: -100.614 ± 401.103 χ^2/NDF : 25.0/20

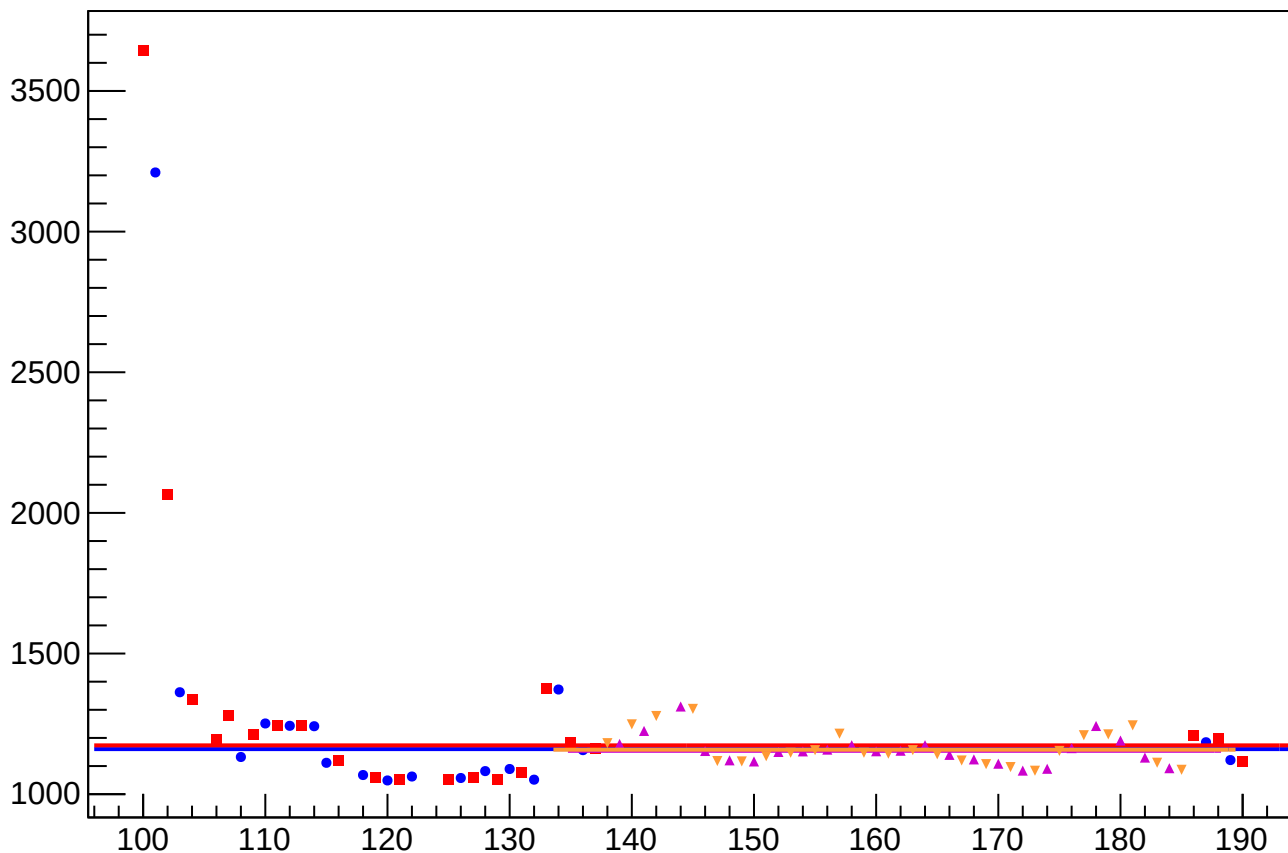
Left In: 421.022 ± 269.815 χ^2/NDF : 18.0/22

+ sign 374.794 ± 226.704 χ^2/NDF : 64.4/41

All: 315.925 ± 159.295 χ^2/NDF : 108.7/85

- sign 258.515 ± 223.876 χ^2/NDF : 44.2/43

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1160.278+/-0.297 χ^2/NDF : 636860.8/17

Left Out: 1158.178+/-0.190 χ^2/NDF : 84114.3/23

Right Out: 1173.564+/-0.284 χ^2/NDF : 334852.9/20

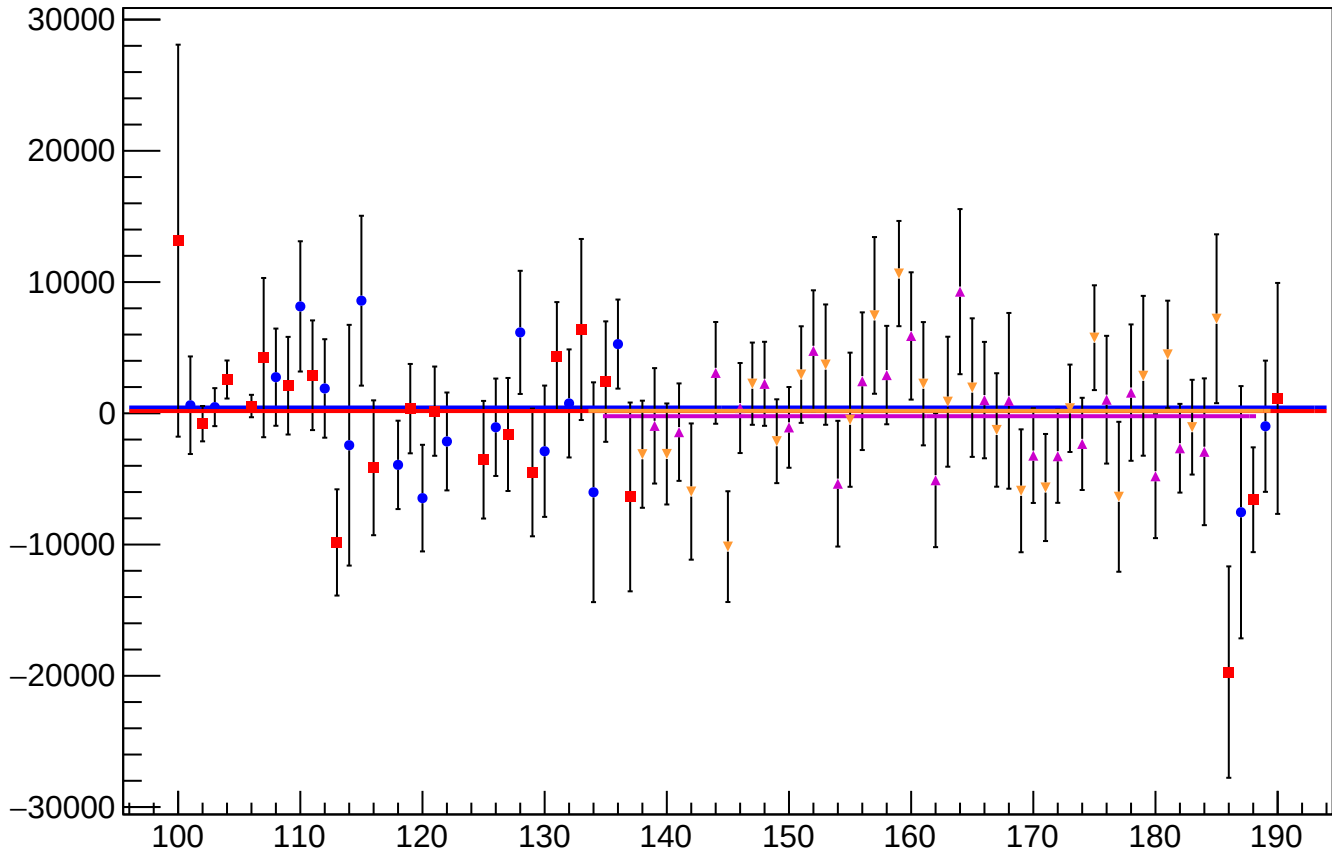
Left In: 1154.232+/-0.191 χ^2/NDF : 66479.5/22

+ sign 1158.788+/-0.160 χ^2/NDF : 721010.4/41

All: 1159.532+/-0.113 χ^2/NDF : 1125585.7/85

- sign 1160.257+/-0.158 χ^2/NDF : 404532.7/43

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 442.838 $\pm$ 857.627 χ^2 /NDF: 15.2/17

Left Out: 189.735 $\pm$ 869.434 χ^2 /NDF:29.3/23

Right Out: 170.562 $\pm$ 557.790 χ^2 /NDF: 25.8/20

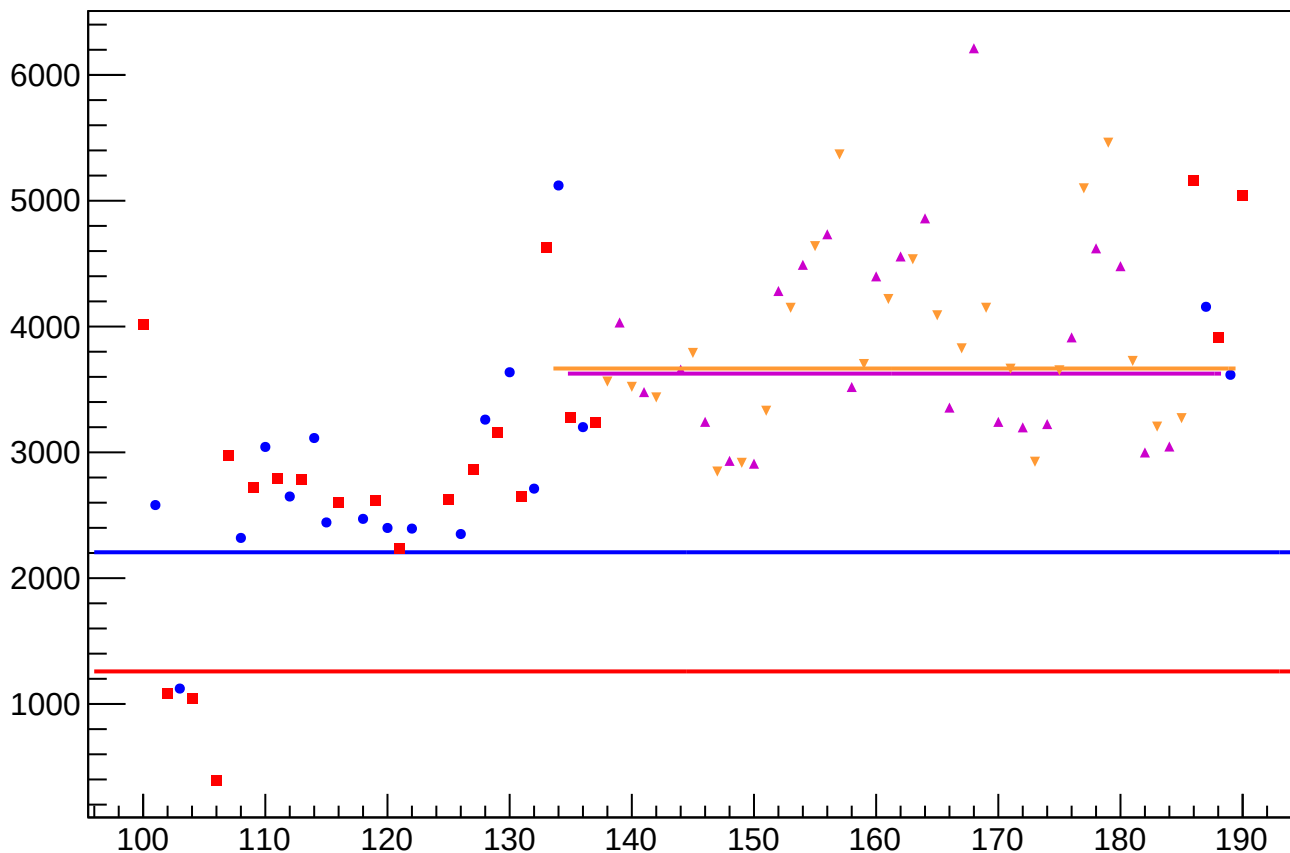
Left In: -221.363 $\pm$ 864.776 χ^2 /NDF:13.4/22

+ sign 318.017 $\pm$ 610.565 χ^2 /NDF: 44.5/41

All: 152.793 $\pm$ 371.808 χ^2 /NDF: 84.0/85

- sign 55.412 $\pm$ 468.742 χ^2 /NDF: 39.3/43

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug



Right In: 2205.879+/-0.606 χ^2/NDF : 2225562.5/17

Left Out: 3666.541+/-0.615 χ^2/NDF : 1095834.2/23

Right Out: 1258.741+/-0.394 χ^2/NDF : 7588295.2/20

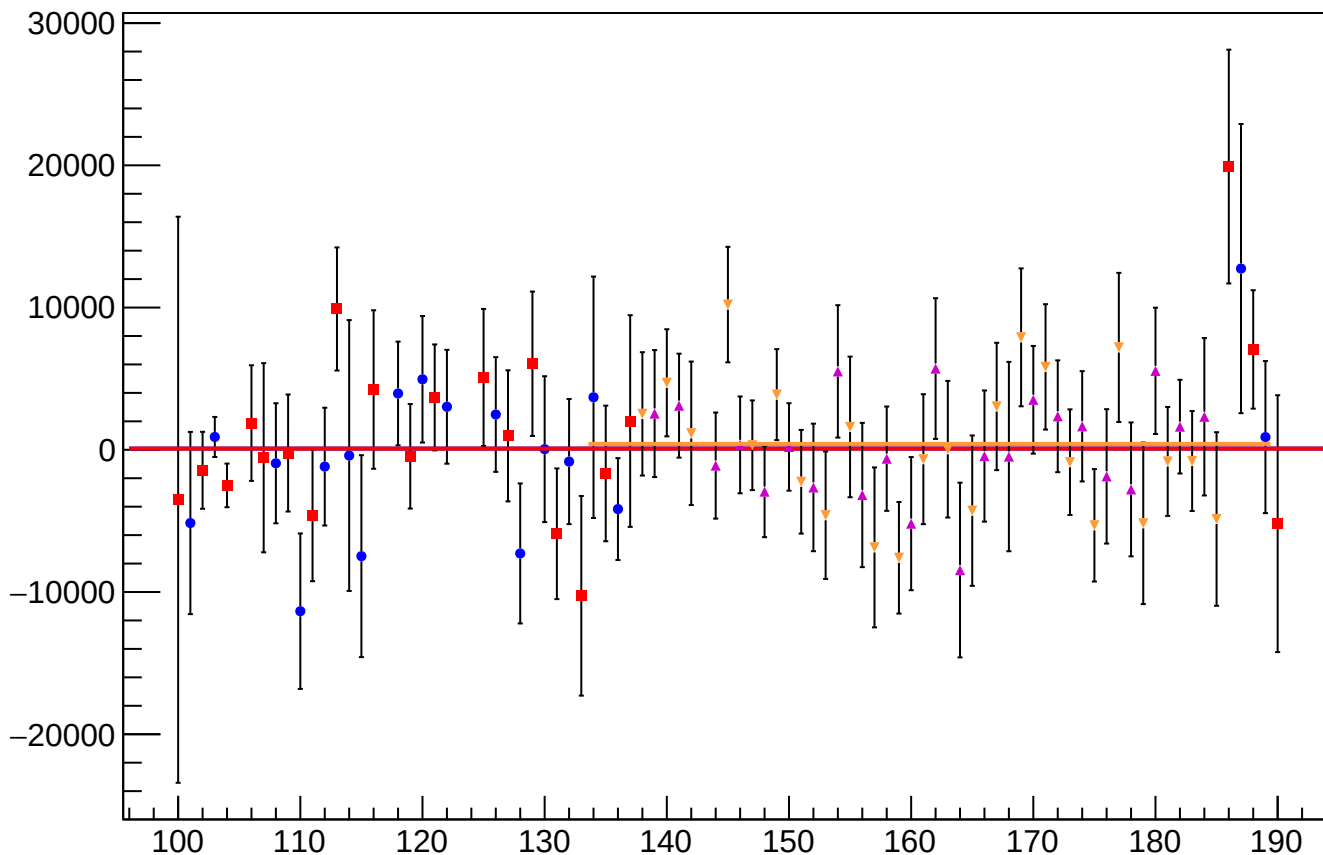
Left In: 3625.945+/-0.611 χ^2/NDF : 1257933.0/22

+ sign 2926.225+/-0.432 χ^2/NDF : 6182435.5/41

All: 2314.677+/-0.263 χ^2/NDF : 28800913.6/8

- sign 1954.237+/-0.331 χ^2/NDF : 19429459.2/43

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 82.921+/-903.786 χ^2/NDF : 15.3/17

Left Out: 413.494+/-865.331 χ^2/NDF : 27.2/23

Right Out: 83.945+/-867.652 χ^2/NDF : 26.6/20

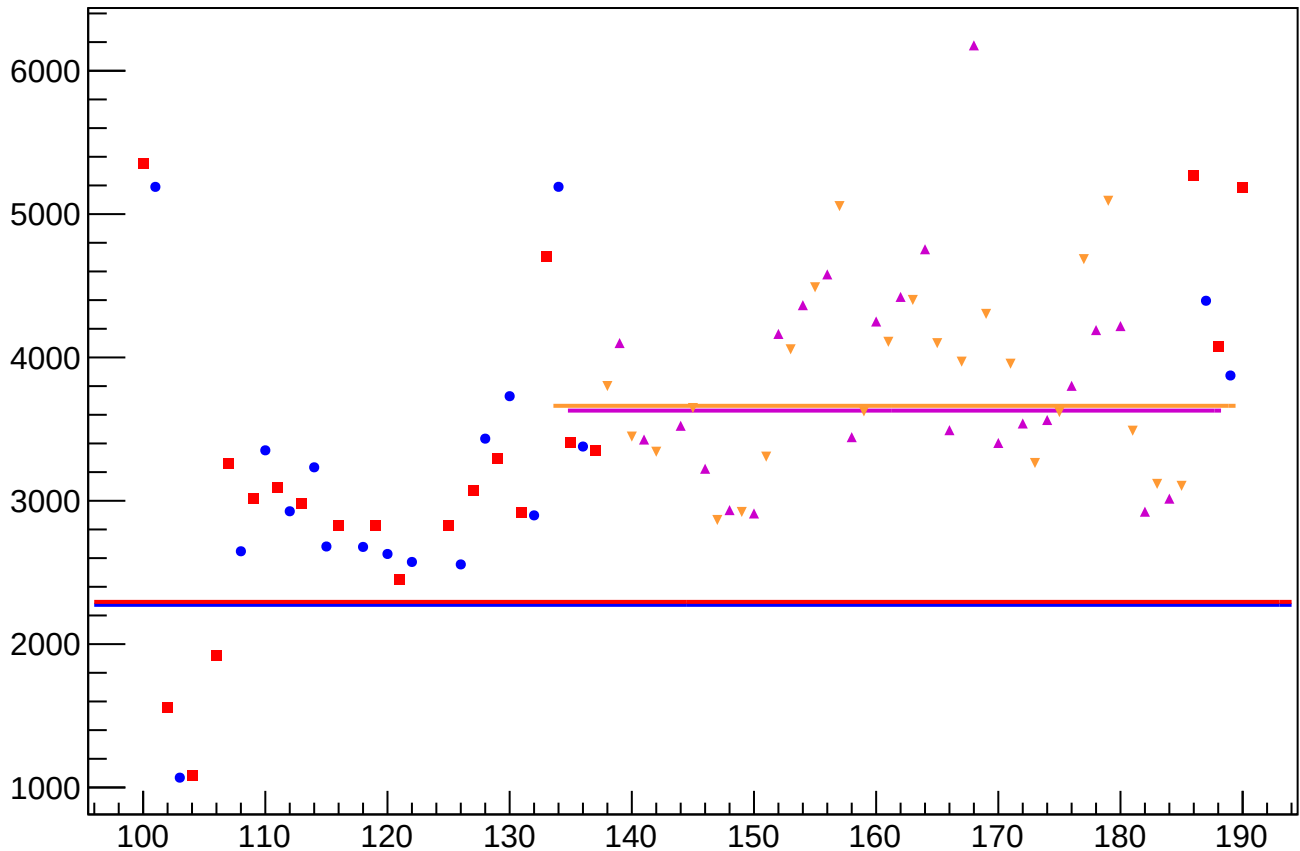
Left In: 403.543+/-862.437 χ^2/NDF : 12.3/22

+ sign 255.390+/-625.034 χ^2/NDF : 42.6/41

All: 249.933+/-437.165 χ^2/NDF : 81.6/85

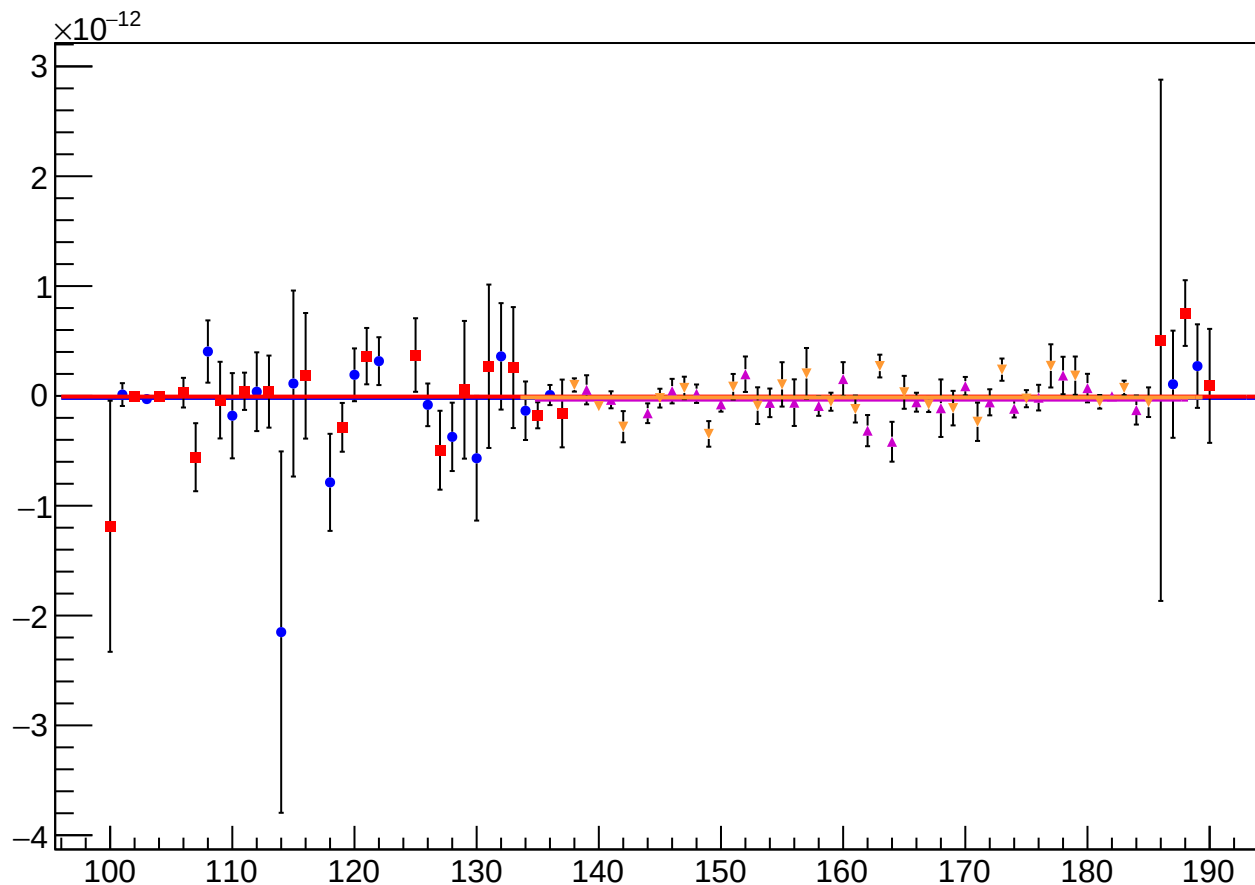
- sign 244.707+/-611.671 χ^2/NDF : 39.0/43

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2274.199+/-0.639	χ^2/NDF : 3112976.4/17	+ sign 2998.594+/-0.442	χ^2/NDF : 6469145.0/41
Left Out: 3662.662+/-0.612	χ^2/NDF : 893468.3/23	All: 2981.174+/-0.309	χ^2/NDF : 13067930.4/8
Right Out: 2294.822+/-0.612	χ^2/NDF : 3156036.4/20	- sign 2964.528+/-0.432	χ^2/NDF : 6595747.4/43
Left In: 3629.184+/-0.610	χ^2/NDF : 1054949.6/22		

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 14.4/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 45.3/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.6/20

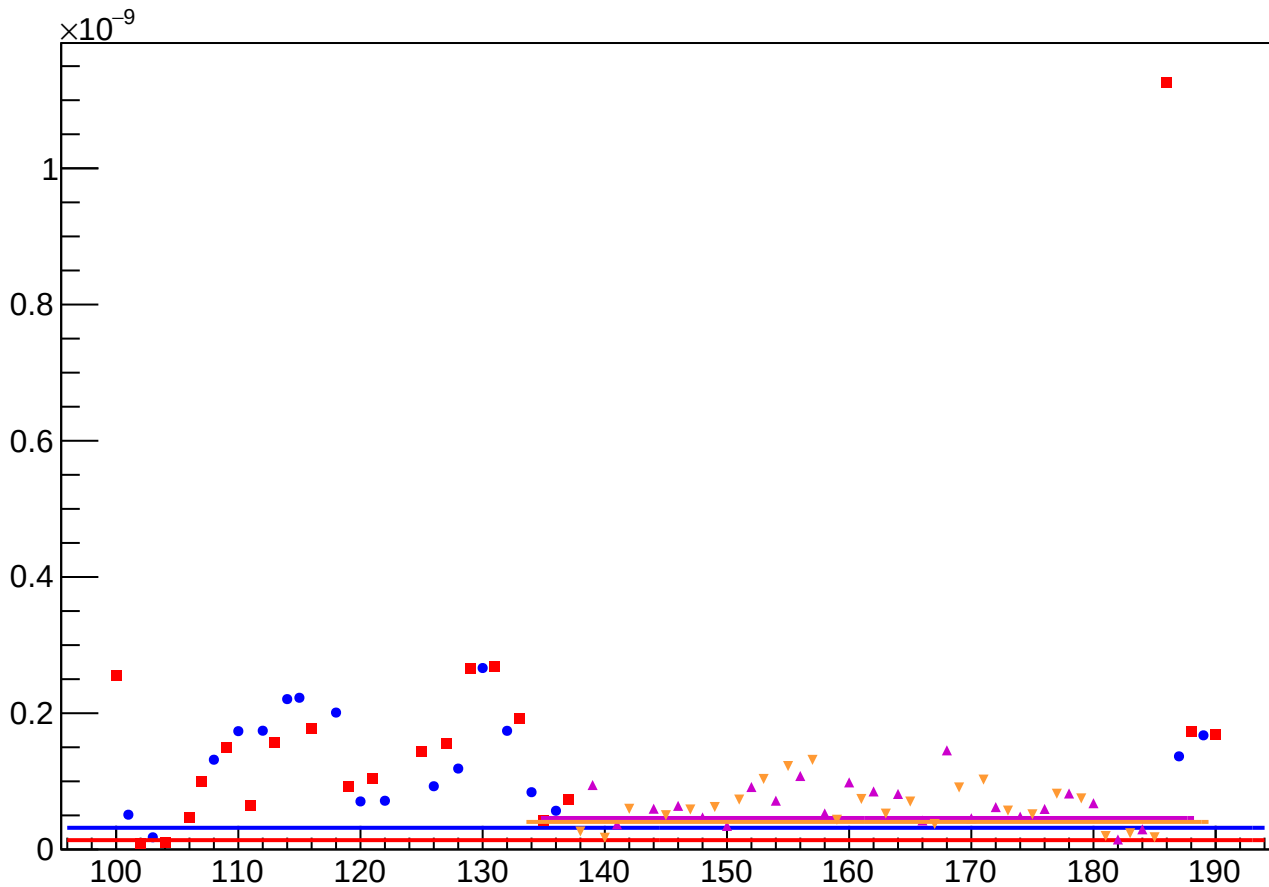
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 59.7/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 104.3/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.6/43

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3348146.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 4845132.3/20

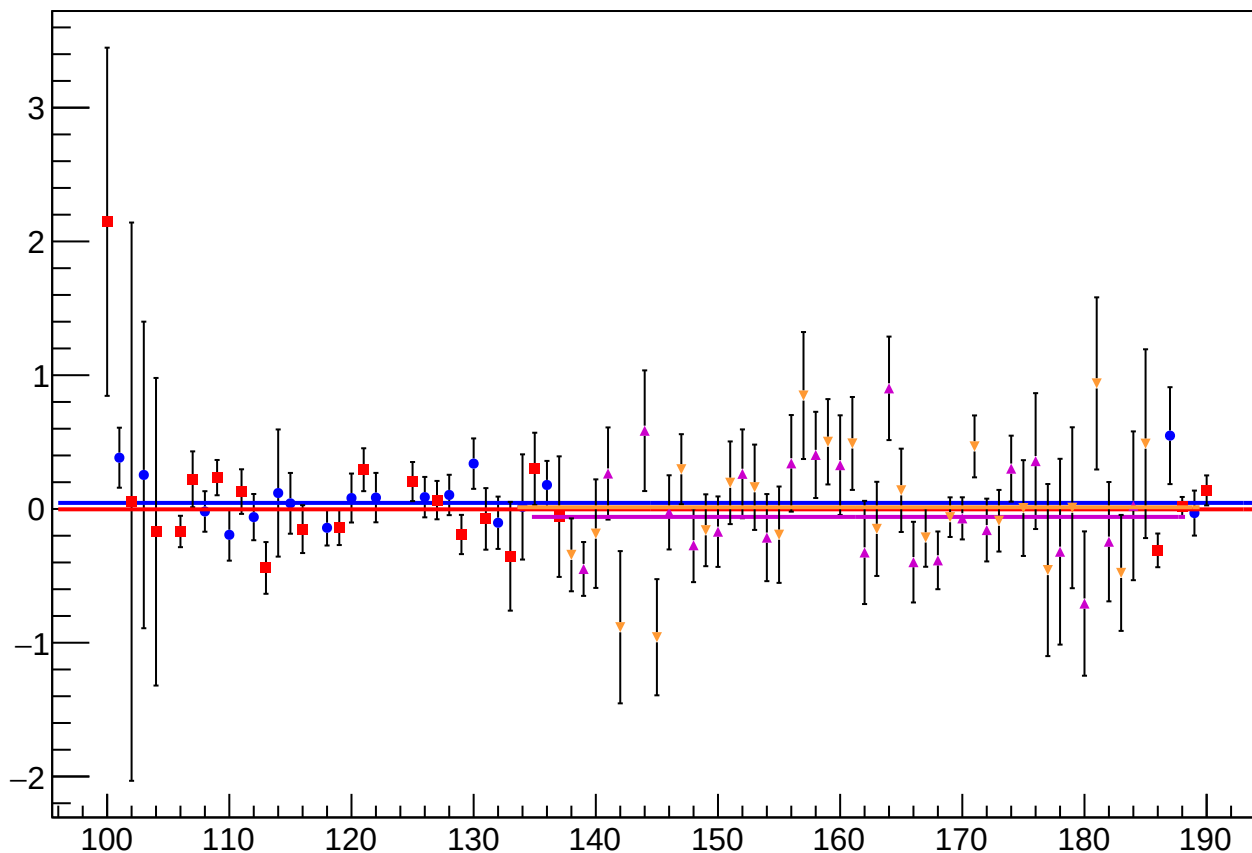
Left In: 0.000+/-0.000 χ^2/NDF : 2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 6930861.1/41

All: 0.000+/-0.000 χ^2/NDF : 18921836.0/85

- sign 0.000+/-0.000 χ^2/NDF : 11168735.6/43

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 ± 0.045 χ^2/NDF : 12.4/17

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: -0.003 ± 0.034 χ^2/NDF : 33.7/20

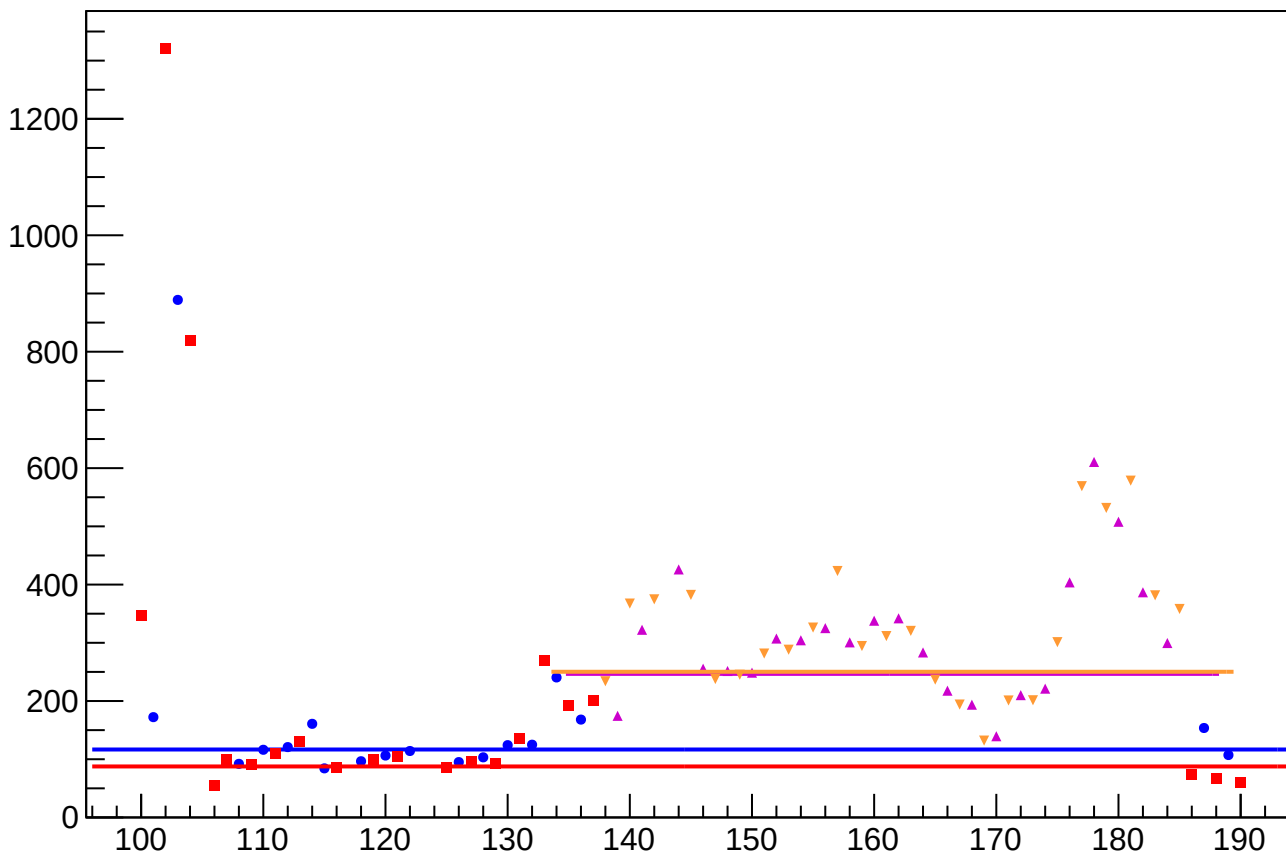
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.034 ± 0.037 χ^2/NDF : 41.9/41

All: 0.004 ± 0.023 χ^2/NDF : 105.3/85

- sign -0.016 ± 0.030 χ^2/NDF : 62.2/43

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.721+/-0.032 χ^2/NDF : 1647962.1/17

Left Out: 250.247+/-0.045 χ^2/NDF : 4353162.7/23

Right Out: 87.606+/-0.024 χ^2/NDF : 3145081.0/20

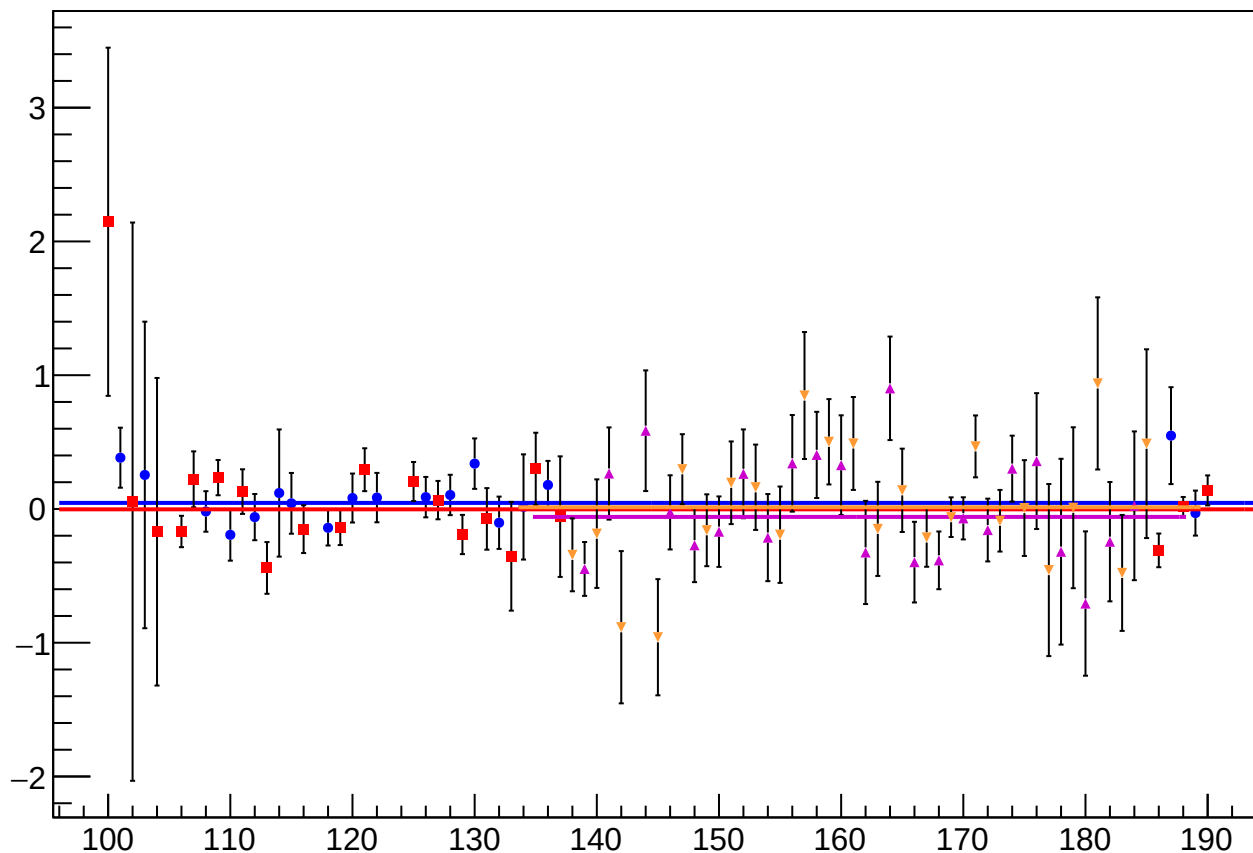
Left In: 246.630+/-0.044 χ^2/NDF : 3773083.4/22

+ sign 162.252+/-0.026 χ^2/NDF : 11920294.7/41

All: 139.542+/-0.016 χ^2/NDF : 30200182.3/85

- sign 124.555+/-0.021 χ^2/NDF : 17015089.4/43

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 ± 0.045 $\chi^2/\text{NDF}: 12.4/17$

Left Out: 0.013 ± 0.063 $\chi^2/\text{NDF}: 29.3/23$

Right Out: -0.003 ± 0.034 $\chi^2/\text{NDF}: 33.7/20$

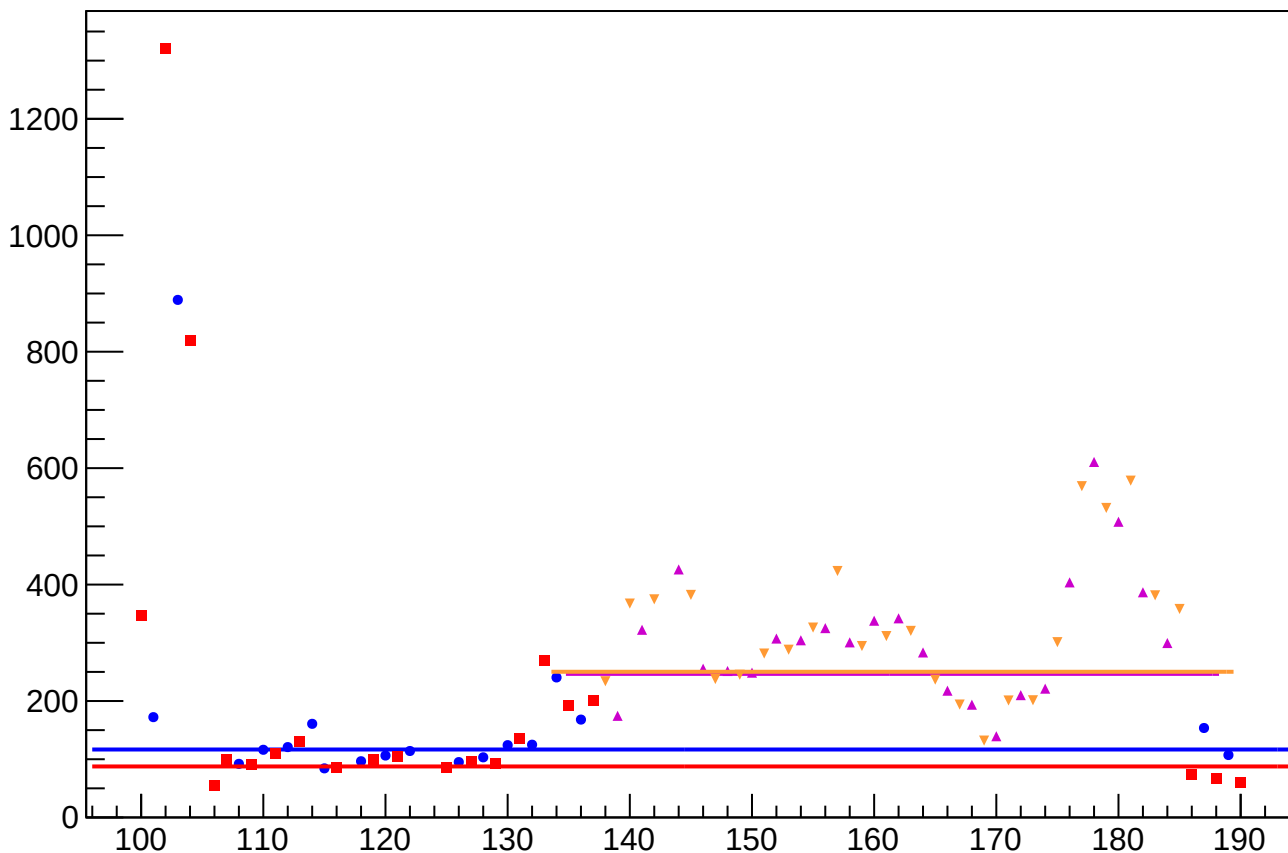
Left In: -0.059 ± 0.062 $\chi^2/\text{NDF}: 27.9/22$

+ sign 0.034 ± 0.037 $\chi^2/\text{NDF}: 41.9/41$

All: 0.004 ± 0.023 $\chi^2/\text{NDF}: 105.3/85$

- sign -0.016 ± 0.030 $\chi^2/\text{NDF}: 62.2/43$

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.721+/-0.032 χ^2/NDF : 1647962.1/17

Left Out: 250.247+/-0.045 χ^2/NDF : 4353162.7/23

Right Out: 87.606+/-0.024 χ^2/NDF : 3145081.0/20

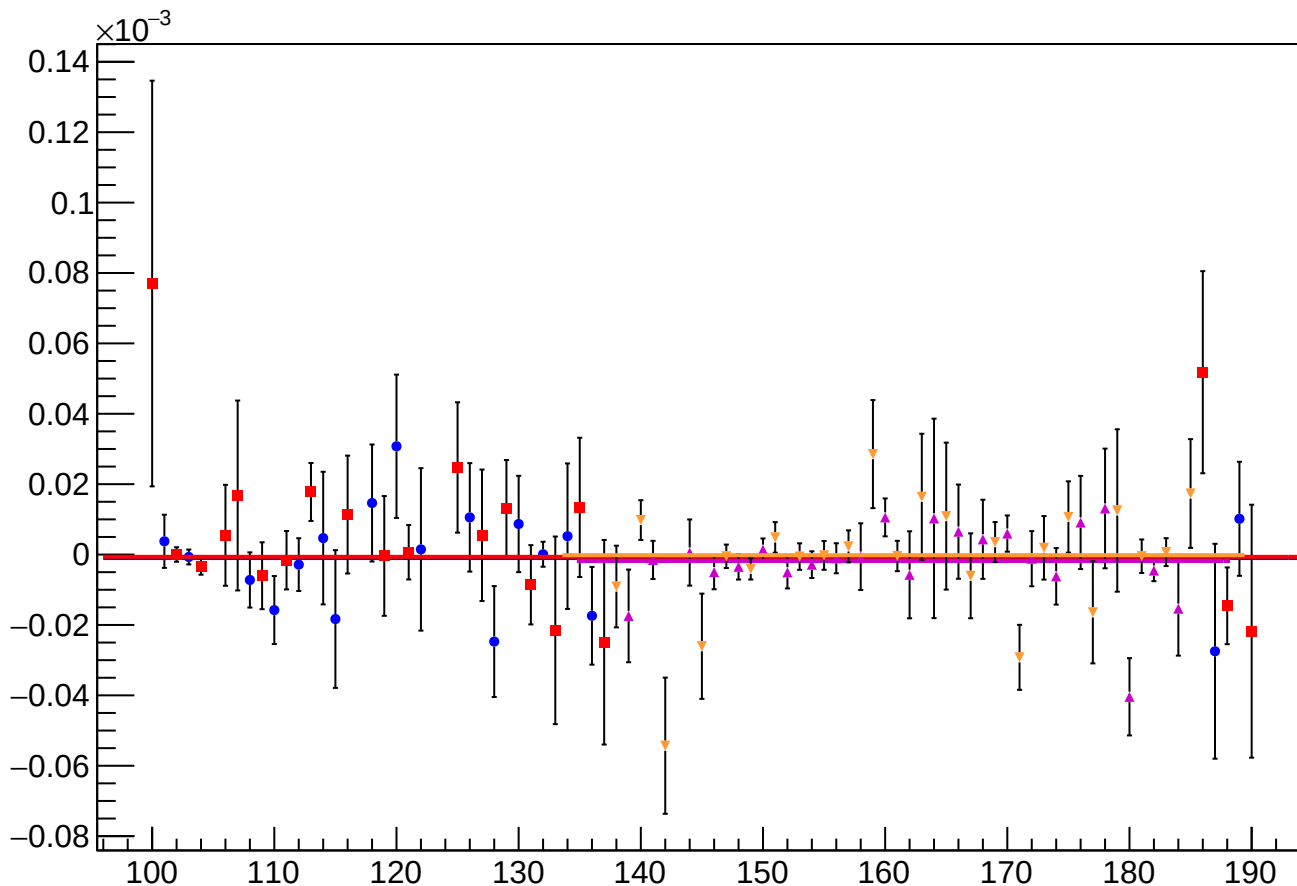
Left In: 246.630+/-0.044 χ^2/NDF : 3773083.4/22

+ sign 162.252+/-0.026 χ^2/NDF : 11920294.7/41

All: 139.542+/-0.016 χ^2/NDF : 30200182.3/85

- sign 124.555+/-0.021 χ^2/NDF : 17015089.4/43

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.8/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 37.2/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 20.4/20

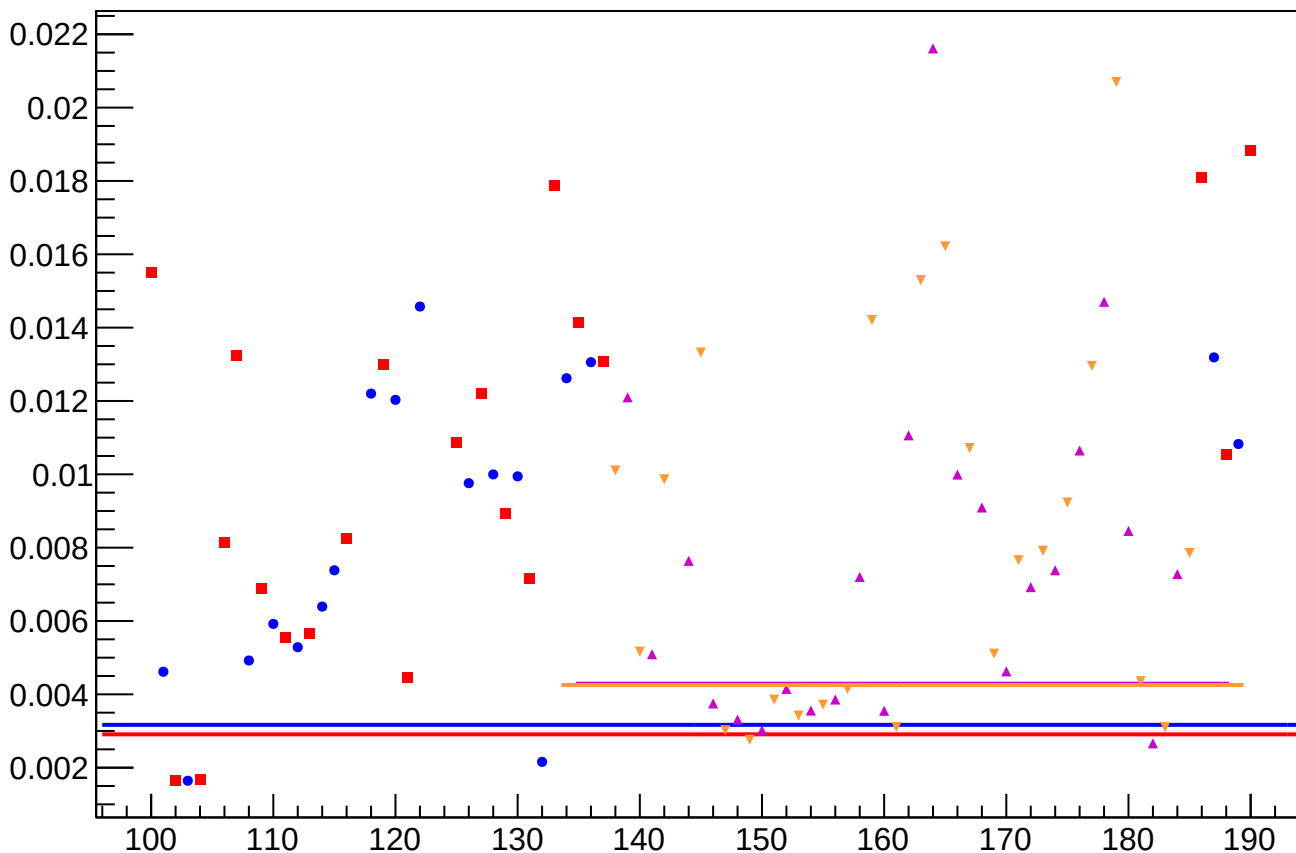
Left In: -0.000 ± 0.000 χ^2/NDF : 28.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 51.1/41

All: -0.000 ± 0.000 χ^2/NDF : 100.6/85

- sign -0.000 ± 0.000 χ^2/NDF : 49.0/43

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 6634700.8/17

Left Out: 0.004+/-0.000 χ^2/NDF : 8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF : 8678196.2/20

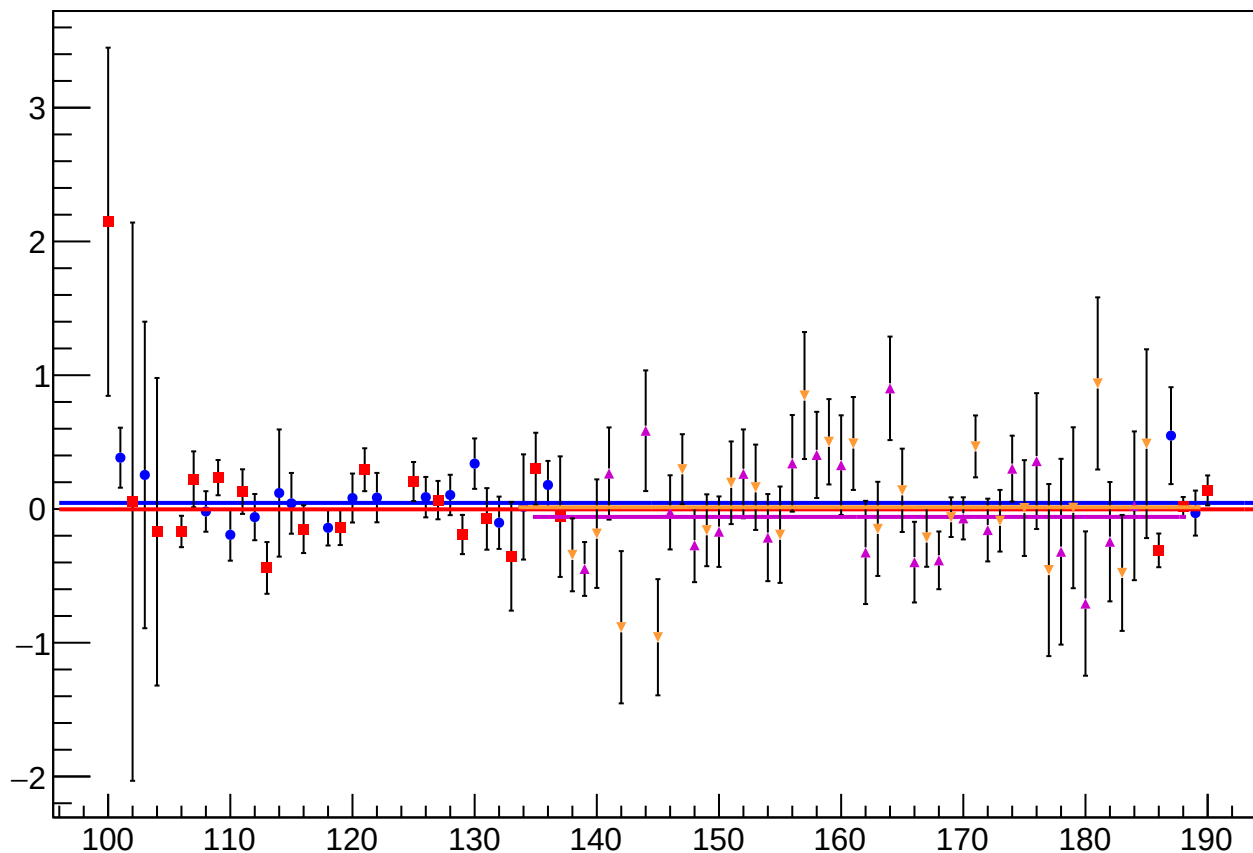
Left In: 0.004+/-0.000 χ^2/NDF : 6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF : 15742023.4/41

All: 0.004+/-0.000 χ^2/NDF : 32197543.0/85

- sign 0.004+/-0.000 χ^2/NDF : 16423683.1/43

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045 ± 0.045 χ^2/NDF : 12.4/17

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: -0.003 ± 0.034 χ^2/NDF : 33.7/20

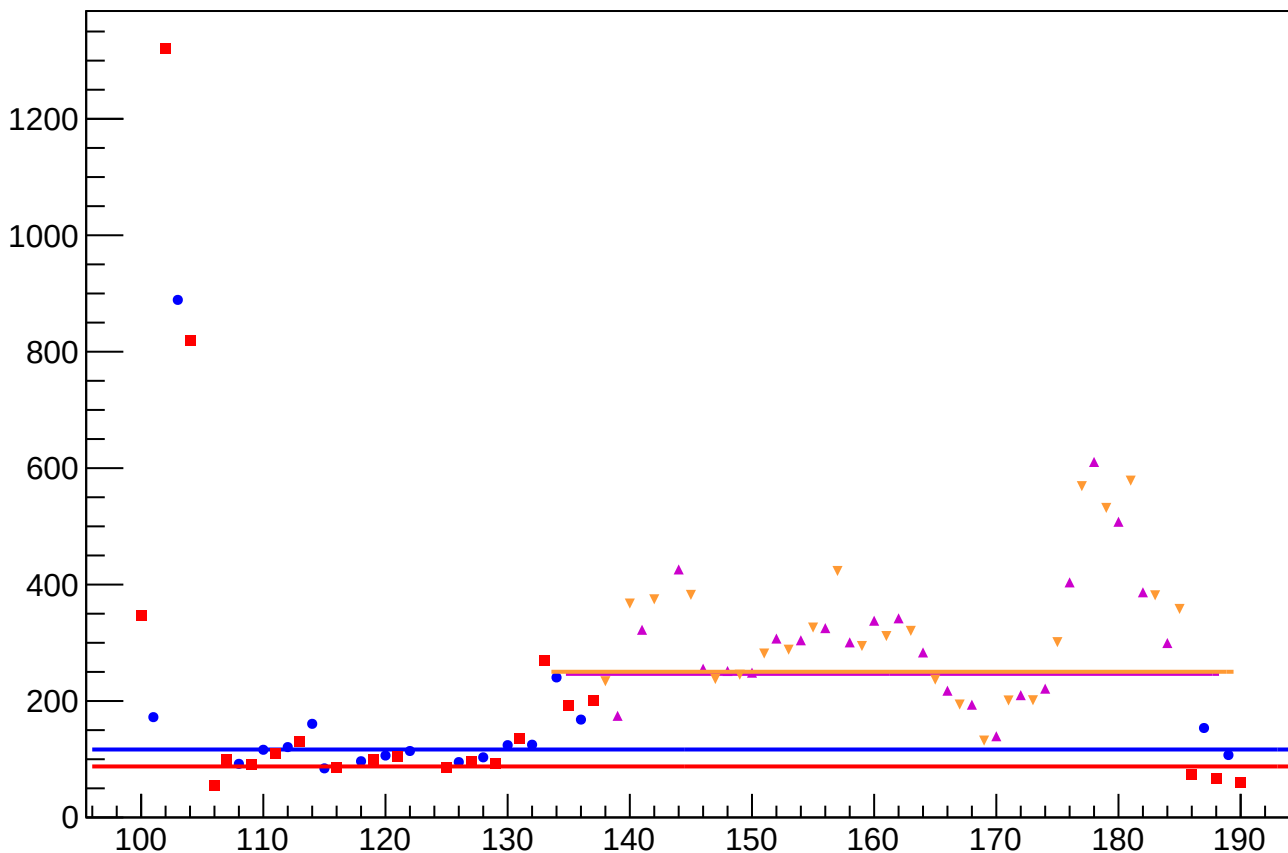
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.034 ± 0.037 χ^2/NDF : 41.9/41

All: 0.004 ± 0.023 χ^2/NDF : 105.3/85

- sign -0.016 ± 0.030 χ^2/NDF : 62.2/43

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 116.720 $\pm$ 0.032 χ^2 /NDF: 1647969.8/17

Left Out: 250.248 $\pm$ 0.045 χ^2 /NDF: 4353323.9/23

Right Out: 87.602 $\pm$ 0.024 χ^2 /NDF: 3145359.8/20

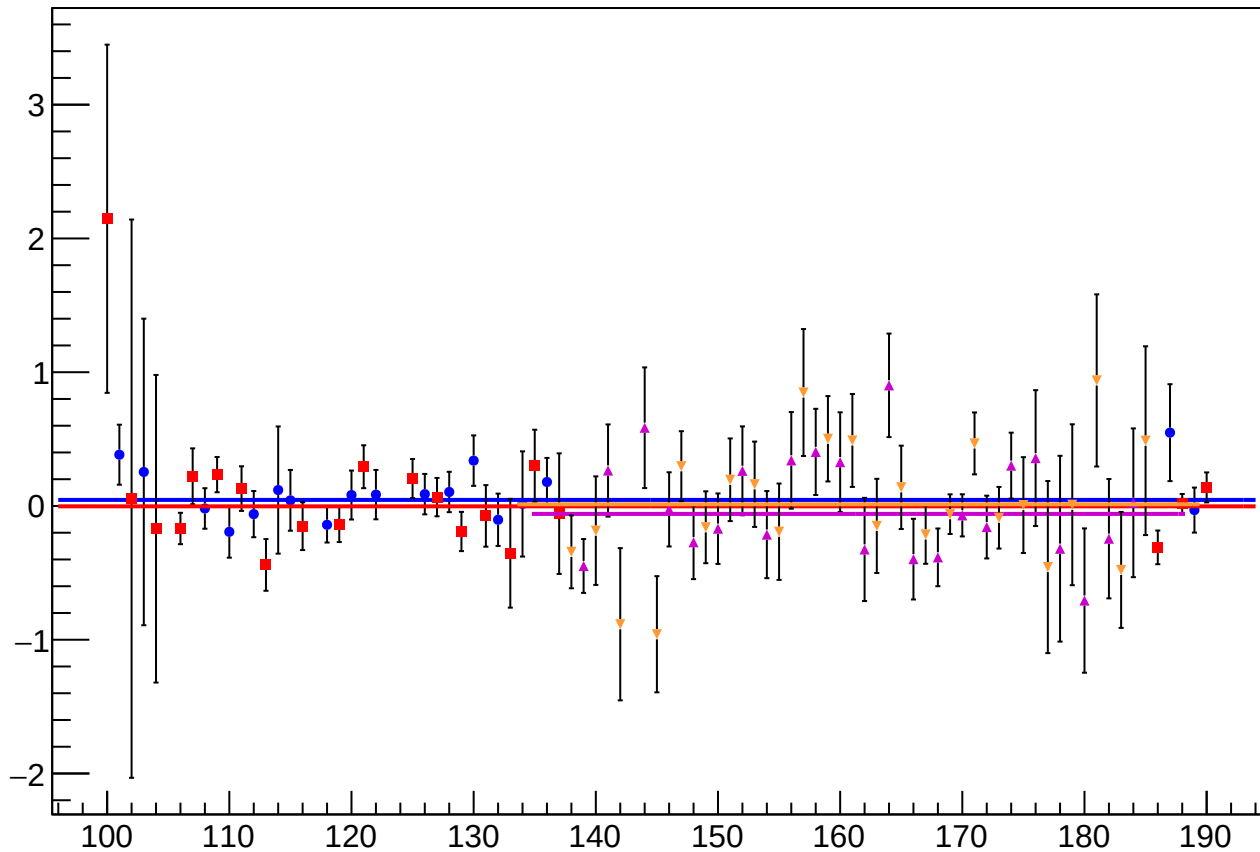
Left In: 246.632 $\pm$ 0.044 χ^2 /NDF: 3773144.3/22

+ sign 162.251 $\pm$ 0.026 χ^2 /NDF: 11920549.8/41

All: 139.538 $\pm$ 0.016 χ^2 /NDF: 30201951.9/85

- sign 124.549 $\pm$ 0.021 χ^2 /NDF: 17016256.6/43

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045 ± 0.045 χ^2/NDF : 12.4/17

Left Out: 0.013 ± 0.063 χ^2/NDF : 29.3/23

Right Out: -0.003 ± 0.034 χ^2/NDF : 33.7/20

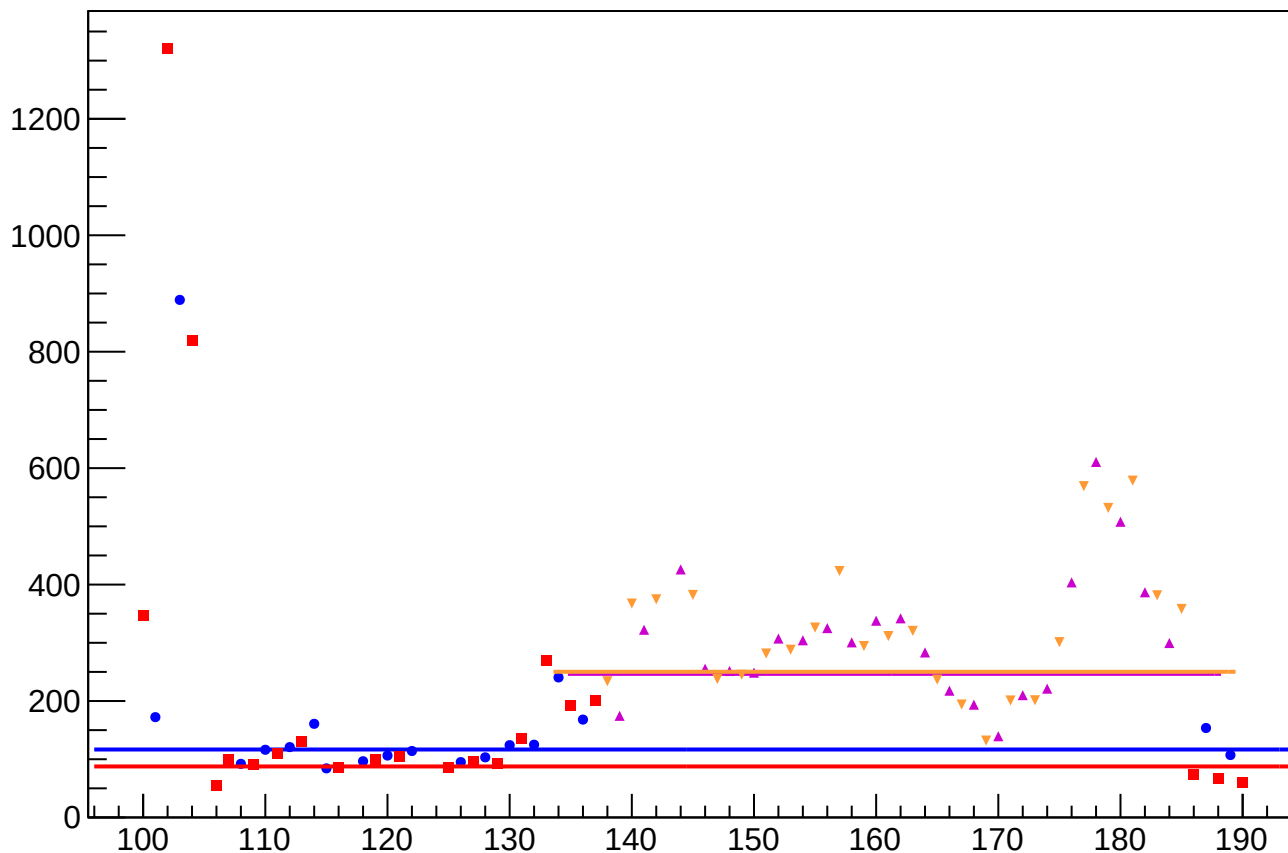
Left In: -0.059 ± 0.062 χ^2/NDF : 27.9/22

+ sign 0.034 ± 0.037 χ^2/NDF : 41.9/41

All: 0.004 ± 0.023 χ^2/NDF : 105.3/85

- sign -0.016 ± 0.030 χ^2/NDF : 62.2/43

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.720 $\pm$ 0.032 χ^2 /NDF: 1647969.8/17

Left Out: 250.248 $\pm$ 0.045 χ^2 /NDF: 4353323.9/23

Right Out: 87.602 $\pm$ 0.024 χ^2 /NDF: 3145359.8/20

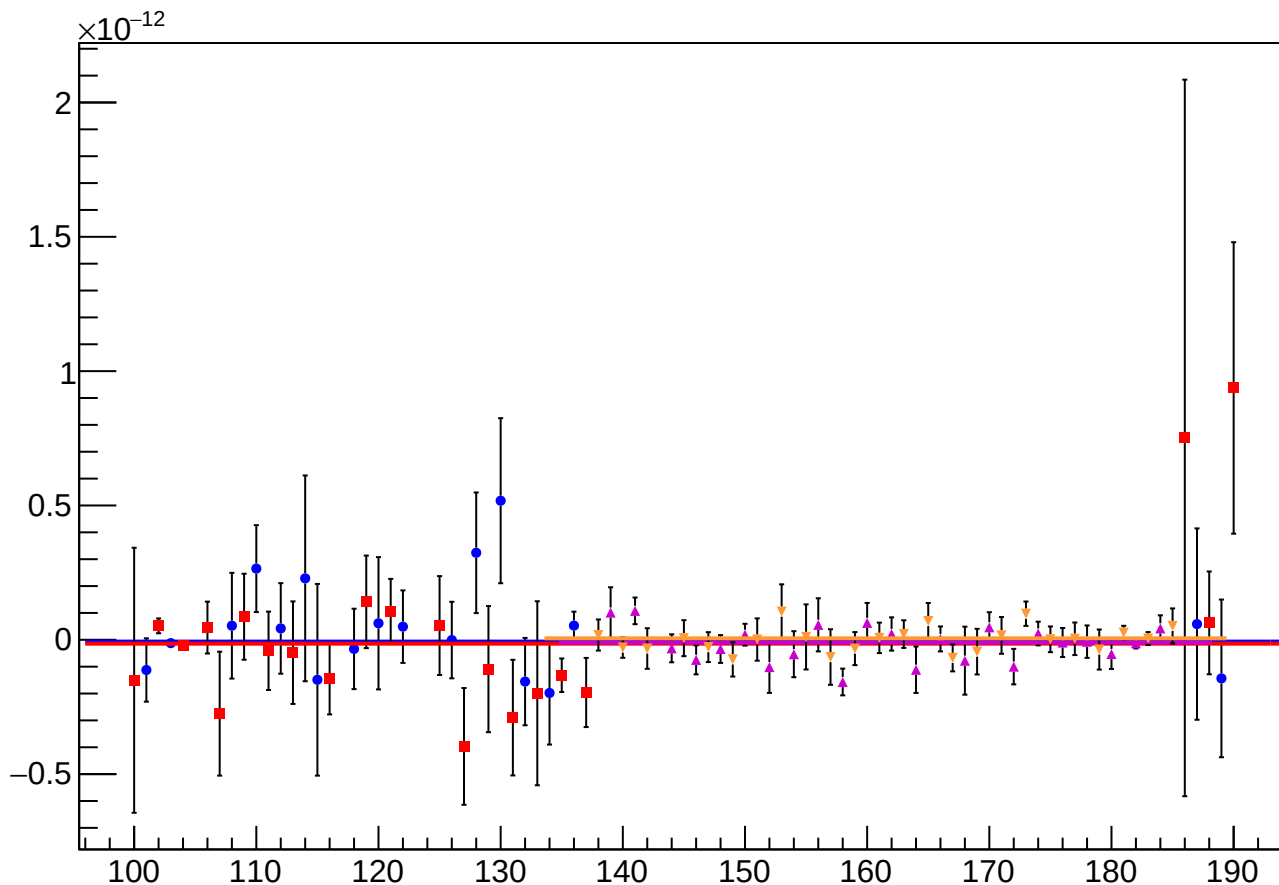
Left In: 246.632 $\pm$ 0.044 χ^2 /NDF: 3773144.3/22

+ sign 162.251 $\pm$ 0.026 χ^2 /NDF: 11920549.8/41

All: 139.538 $\pm$ 0.016 χ^2 /NDF: 30201951.9/85

- sign 124.549 $\pm$ 0.021 χ^2 /NDF: 17016256.6/43

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.3/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 13.8/23

Right Out: -0.000 ± 0.000 χ^2/NDF : 25.5/20

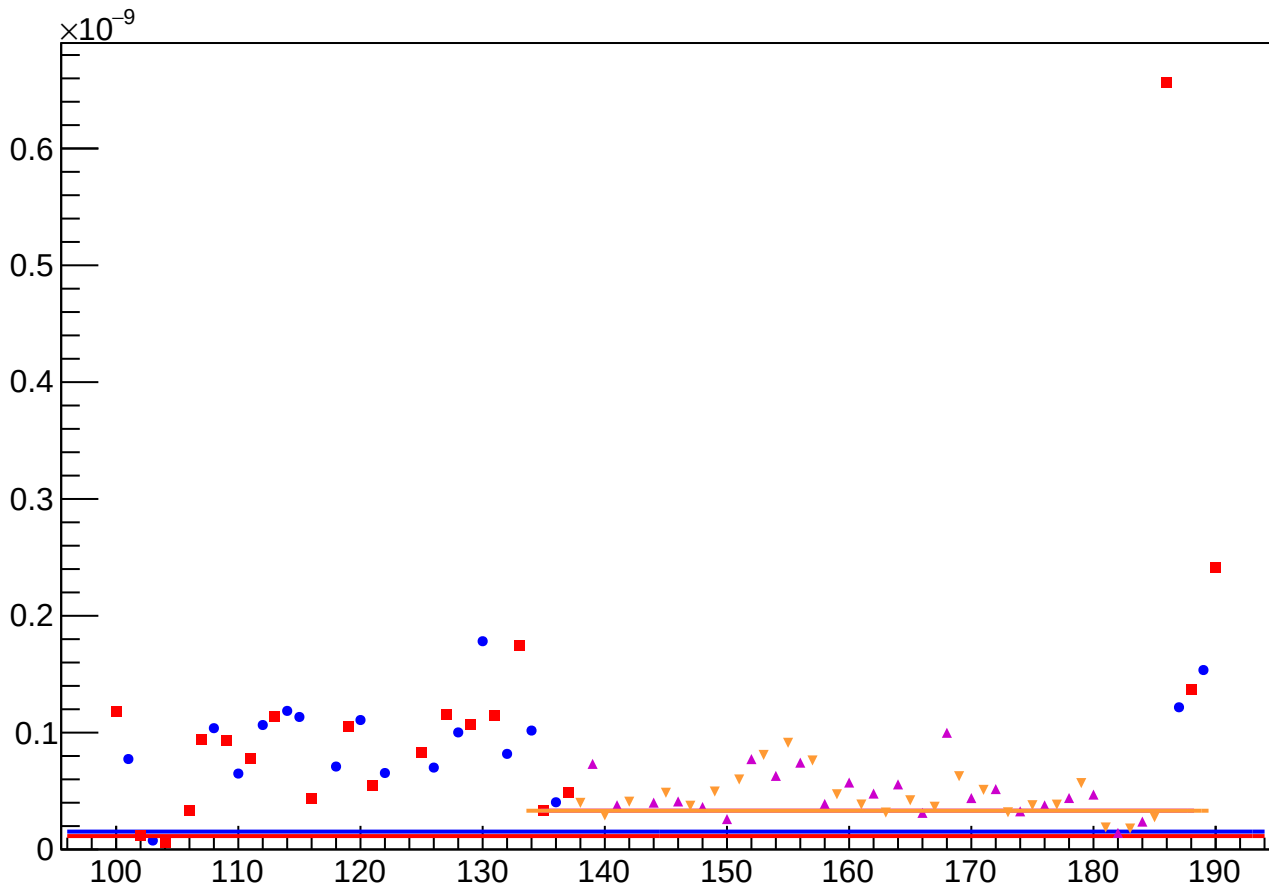
Left In: -0.000 ± 0.000 χ^2/NDF : 27.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 27.7/41

All: -0.000 ± 0.000 χ^2/NDF : 82.6/85

- sign -0.000 ± 0.000 χ^2/NDF : 53.4/43

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6517381.2/17

Left Out: 0.000+/-0.000 χ^2/NDF : 4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 7558668.7/20

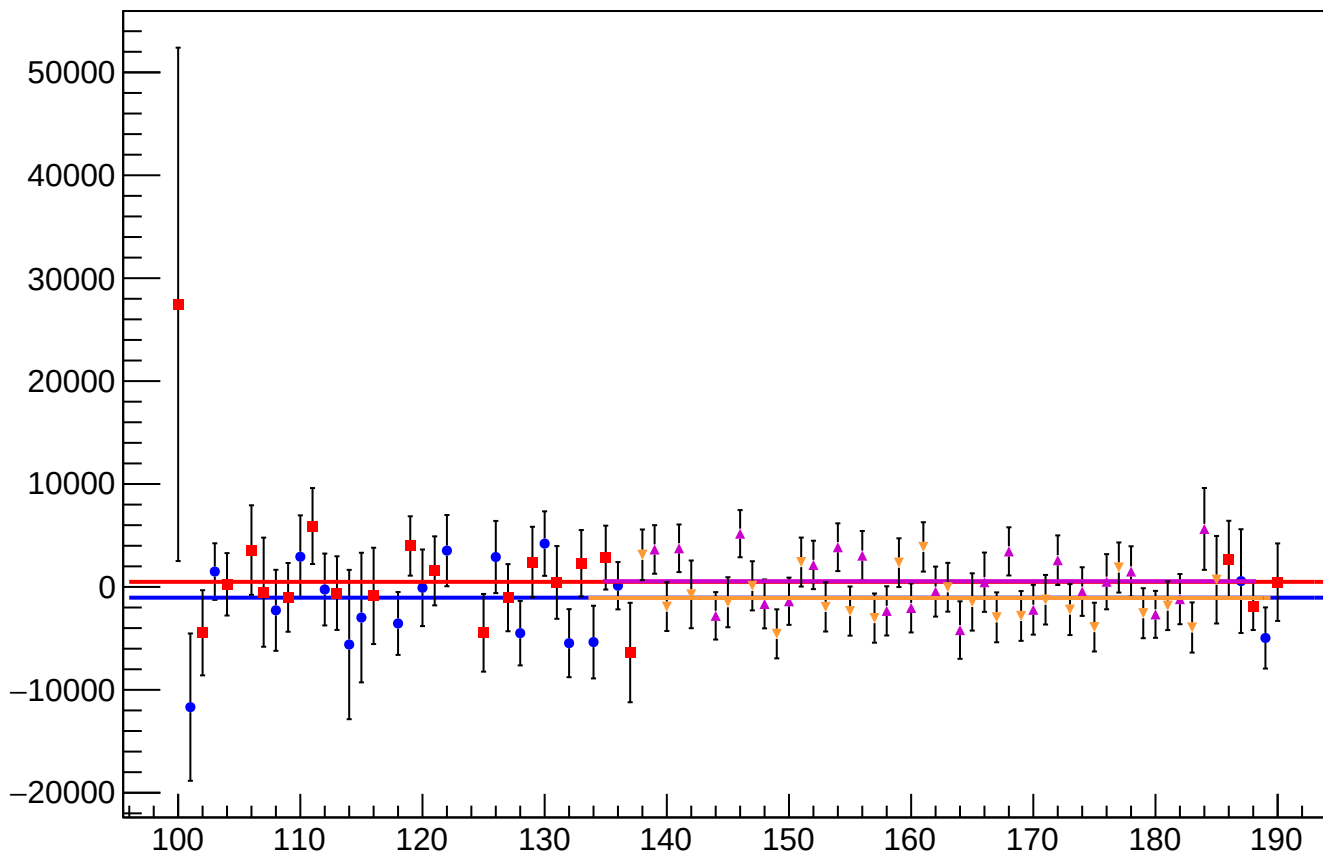
Left In: 0.000+/-0.000 χ^2/NDF : 5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 12957413.4/41

All: 0.000+/-0.000 χ^2/NDF : 30401011.1/85

- sign 0.000+/-0.000 χ^2/NDF : 17157513.2/43

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -1043.624 ± 825.975 χ^2/NDF : 17.8/17

Left Out: -1072.863 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 492.968 ± 778.191 χ^2/NDF : 13.8/20

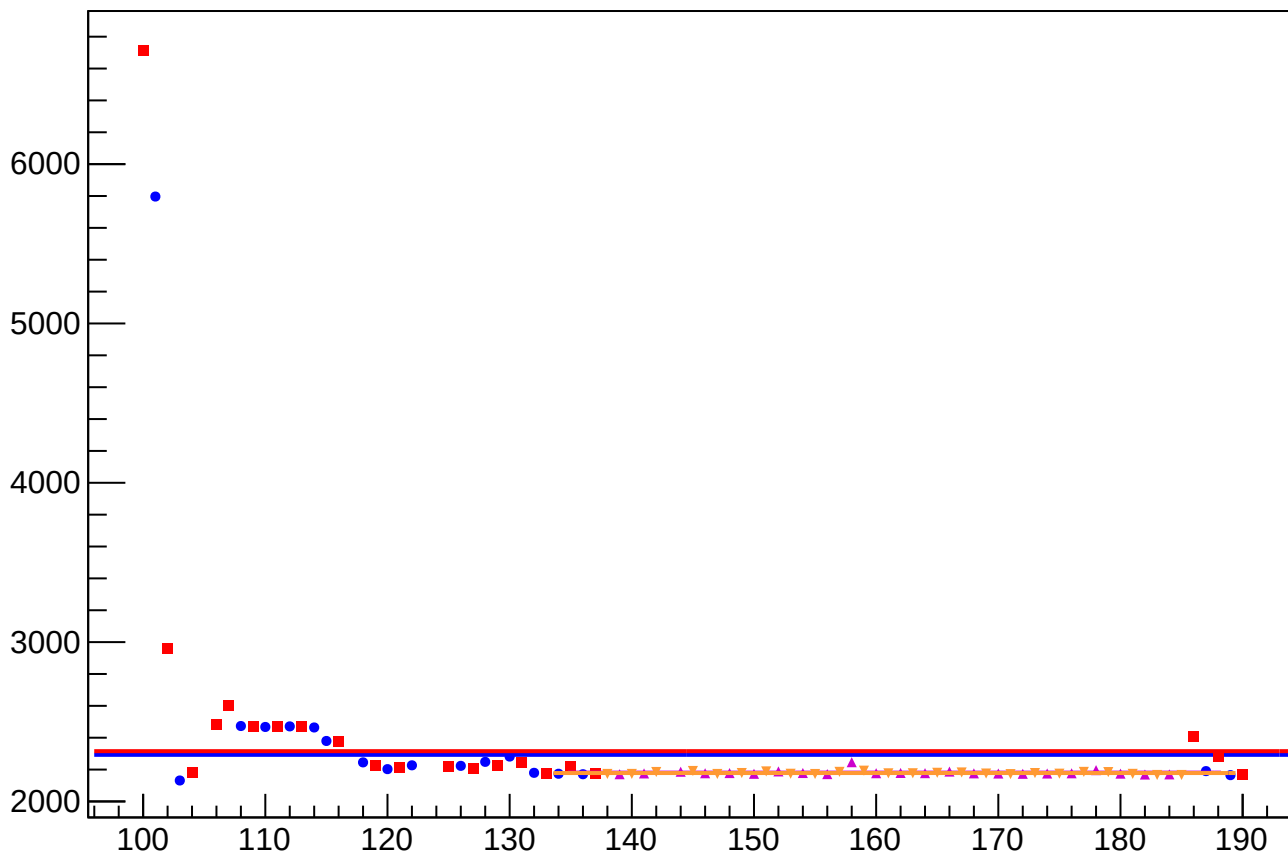
Left In: 557.052 ± 509.208 χ^2/NDF : 28.7/22

+ sign -1064.895 ± 431.184 χ^2/NDF : 39.4/41

All: -254.011 ± 303.077 χ^2/NDF : 88.9/85

- sign 537.840 ± 426.094 χ^2/NDF : 42.5/43

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2292.576 $\pm$ 0.584 χ^2 /NDF: 519180.1/17

Left Out: 2178.244 $\pm$ 0.357 χ^2 /NDF:389.1/23

Right Out: 2315.562 $\pm$ 0.550 χ^2 /NDF: 156543.1/20

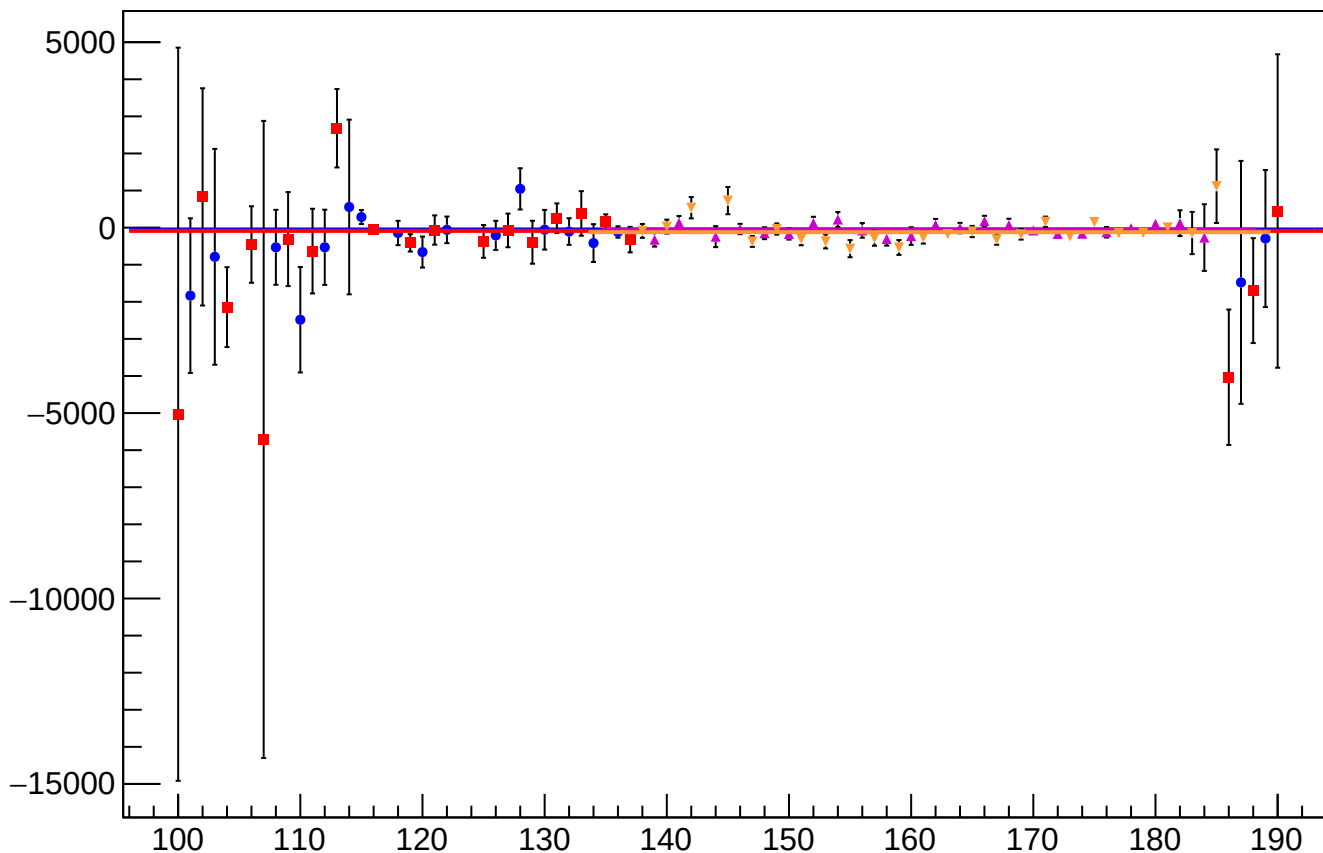
Left In: 2180.919 $\pm$ 0.360 χ^2 /NDF:1866.2/22

+ sign 2209.401 $\pm$ 0.305 χ^2 /NDF: 547446.5/41

All: 2215.414 $\pm$ 0.214 χ^2 /NDF: 748547.1/85

- sign 2221.286 $\pm$ 0.301 χ^2 /NDF: 200332.0/43

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug



Right In: -49.618 $\pm$ 90.769 χ^2 /NDF: 14.6/17

Left Out: -123.007 $\pm$ 31.408 χ^2 /NDF: 43.8/23

Right Out: -87.501 $\pm$ 82.145 χ^2 /NDF: 23.6/20

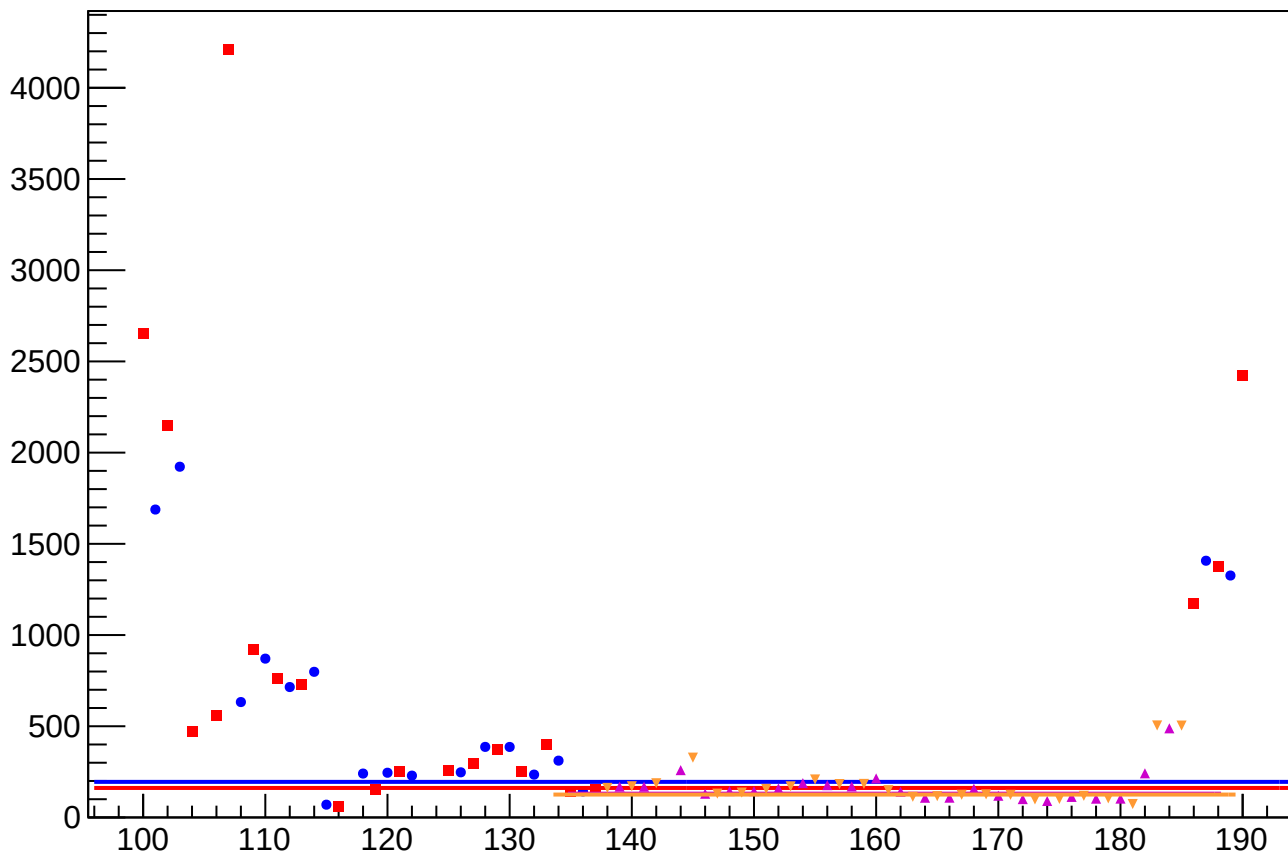
Left In: -50.317 $\pm$ 32.545 χ^2 /NDF: 18.2/22

+ sign -115.160 $\pm$ 29.681 χ^2 /NDF: 59.0/41

All: -85.835 $\pm$ 21.188 χ^2 /NDF: 103.0/85

- sign -55.361 $\pm$ 30.257 χ^2 /NDF: 42.1/43

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 195.054 $\pm$ 0.064 χ^2 /NDF: 6091818.8/17

Left Out: 125.506 $\pm$ 0.022 χ^2 /NDF: 3942746.1/23

Right Out: 161.715 $\pm$ 0.058 χ^2 /NDF: 8828449.1/20

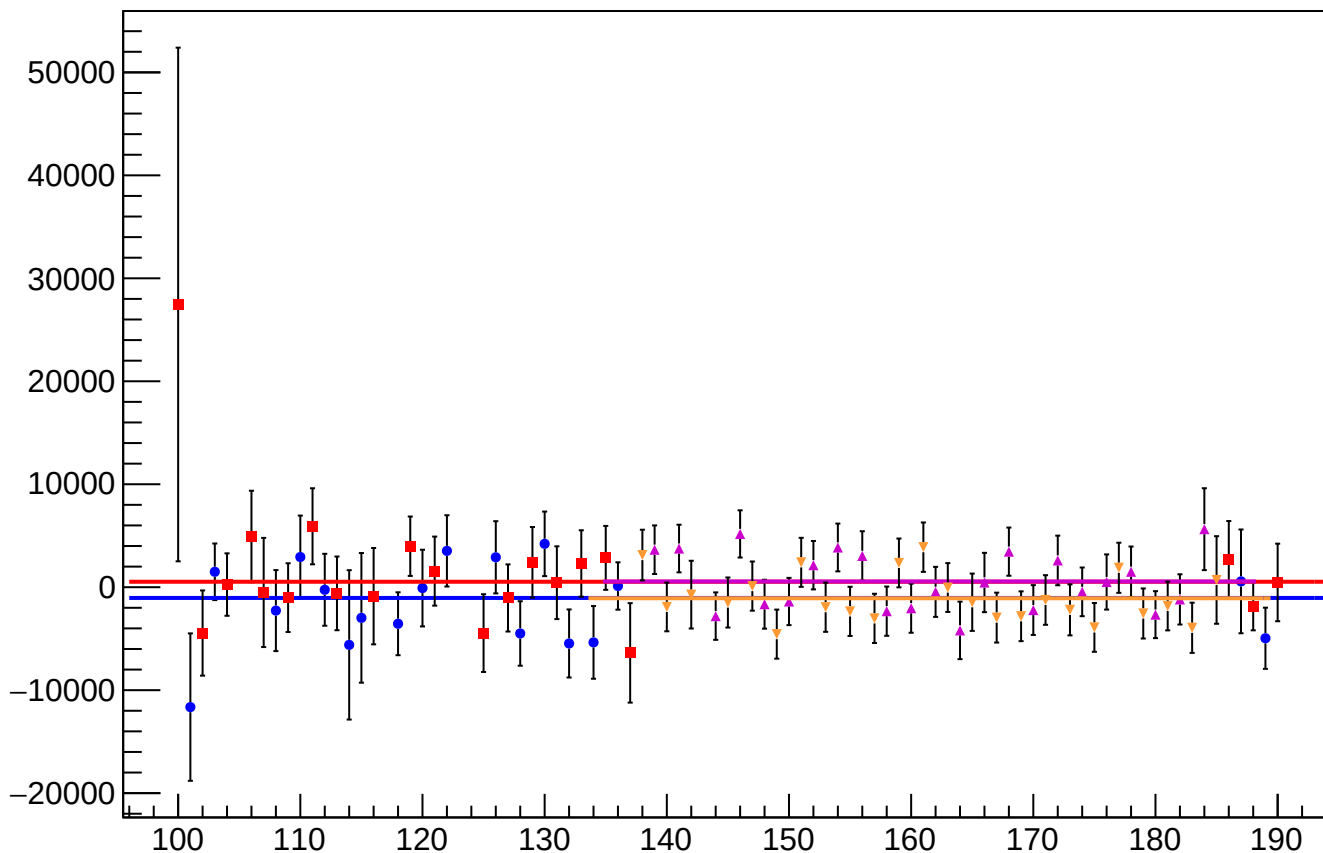
Left In: 130.436 $\pm$ 0.023 χ^2 /NDF: 2679692.6/22

+ sign 132.943 $\pm$ 0.021 χ^2 /NDF: 11083144.5/41

All: 133.795 $\pm$ 0.015 χ^2 /NDF: 22845276.1/85

- sign 134.680 $\pm$ 0.021 χ^2 /NDF: 11758772.9/43

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -1042.743 ± 825.975 χ^2/NDF : 17.8/17

Left Out: -1072.795 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 530.400 ± 778.708 χ^2/NDF : 14.3/20

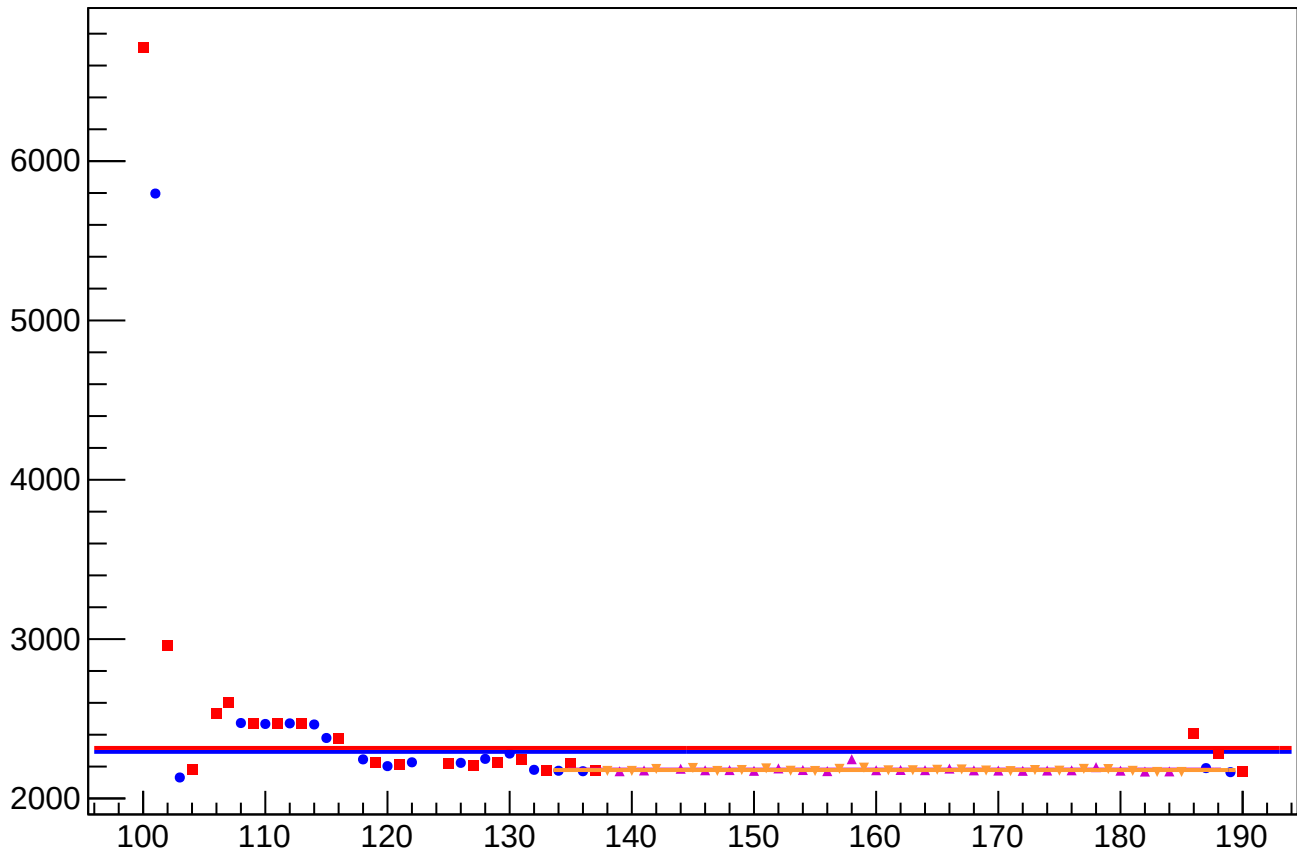
Left In: 557.079 ± 509.208 χ^2/NDF : 28.7/22

+ sign -1064.605 ± 431.184 χ^2/NDF : 39.4/41

All: -248.338 ± 303.108 χ^2/NDF : 89.4/85

- sign 549.088 ± 426.178 χ^2/NDF : 43.0/43

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2292.576 ± 0.584 χ^2/NDF : 519180.4/17

Left Out: 2178.244 ± 0.357 χ^2/NDF : 389.1/23

Right Out: 2316.896 ± 0.551 χ^2/NDF : 158401.8/20

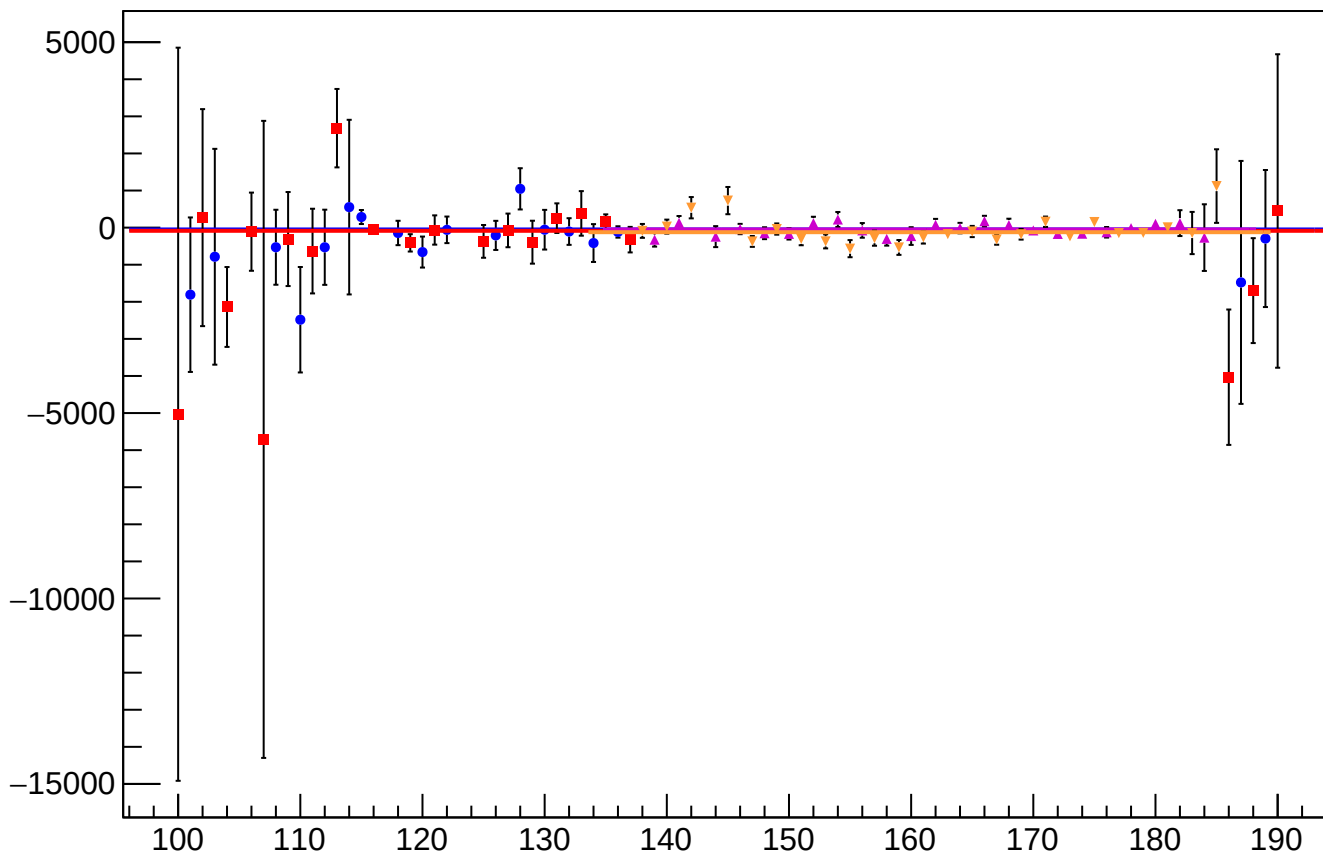
Left In: 2180.919 ± 0.360 χ^2/NDF : 1866.2/22

+ sign 2209.401 ± 0.305 χ^2/NDF : 547446.8/41

All: 2215.596 ± 0.214 χ^2/NDF : 751248.2/85

- sign 2221.647 ± 0.301 χ^2/NDF : 202985.4/43

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug



Right In: -49.652 ± 90.775 χ^2/NDF : 14.6/17

Left Out: -122.928 ± 31.408 χ^2/NDF : 43.8/23

Right Out: -85.492 ± 82.084 χ^2/NDF : 23.4/20

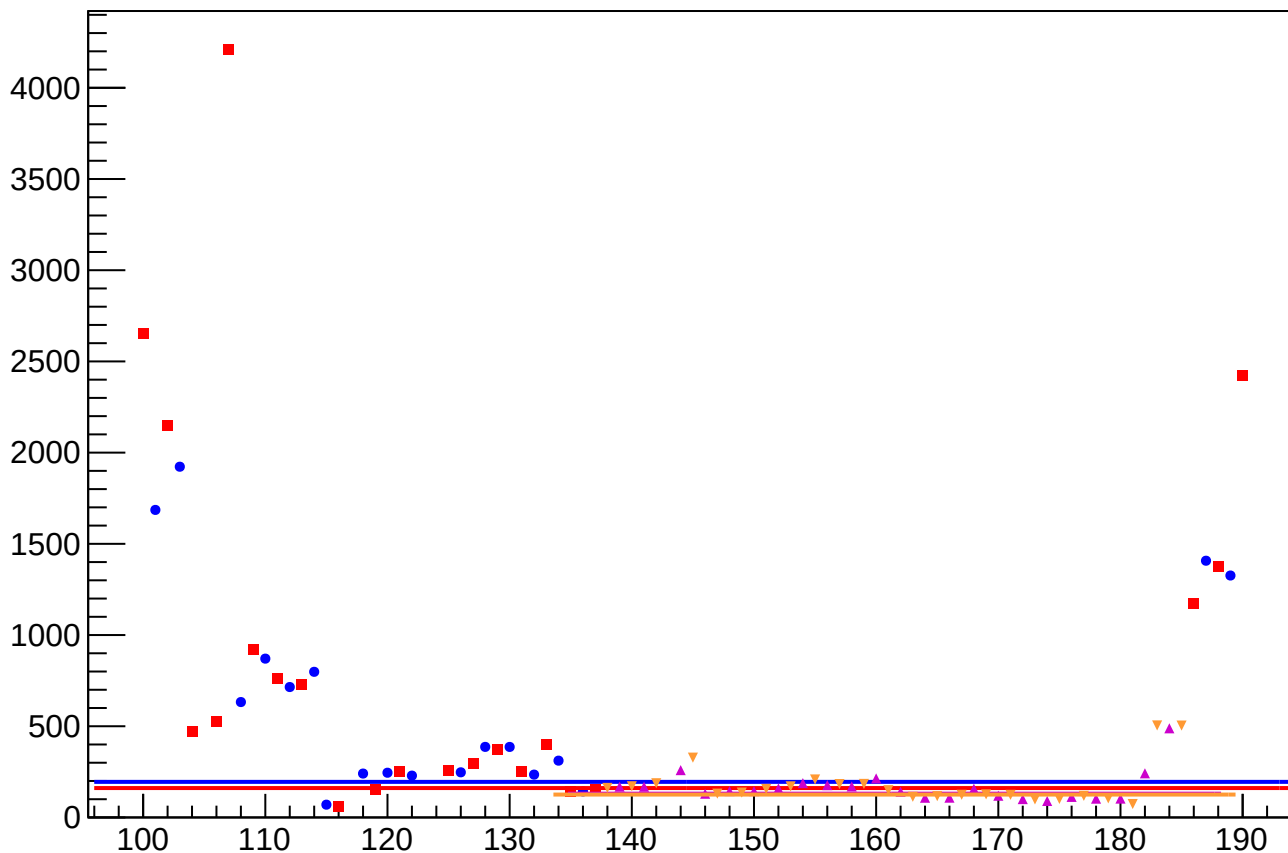
Left In: -50.209 ± 32.548 χ^2/NDF : 18.3/22

+ sign -115.094 ± 29.682 χ^2/NDF : 58.9/41

All: -85.625 ± 21.188 χ^2/NDF : 102.8/85

- sign -55.003 ± 30.256 χ^2/NDF : 41.8/43

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 195.079+/-0.064 χ^2/NDF : 6090644.3/17

Left Out: 125.503+/-0.022 χ^2/NDF : 3943570.9/23

Right Out: 161.152+/-0.058 χ^2/NDF : 8785144.7/20

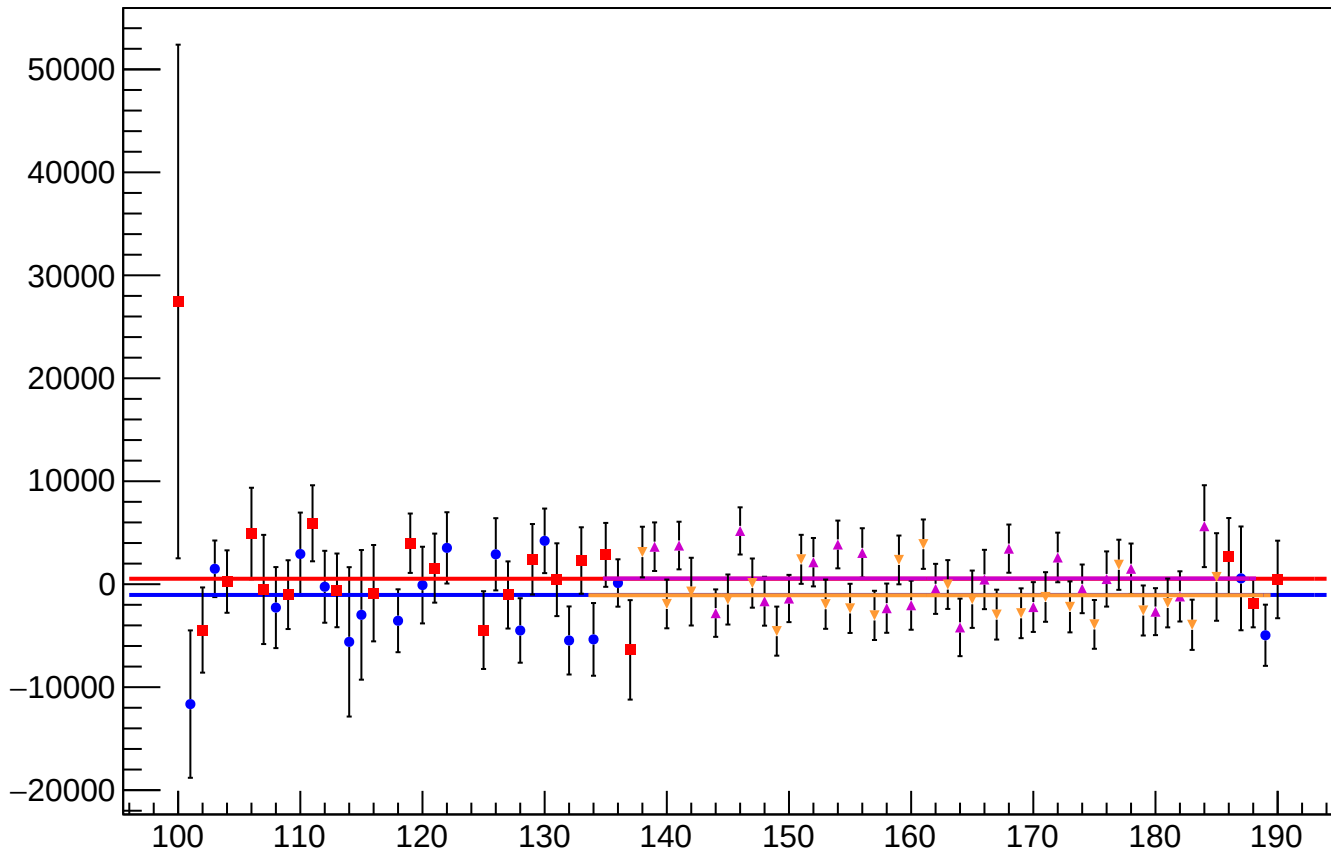
Left In: 130.451+/-0.023 χ^2/NDF : 2679365.4/22

+ sign 132.941+/-0.021 χ^2/NDF : 11083537.8/41

All: 133.766+/-0.015 χ^2/NDF : 22792960.5/85

- sign 134.622+/-0.021 χ^2/NDF : 11706277.0/43

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -1042.743 ± 825.975 χ^2/NDF : 17.8/17

Left Out: -1072.795 ± 505.534 χ^2/NDF : 21.6/23

Right Out: 530.400 ± 778.708 χ^2/NDF : 14.3/20

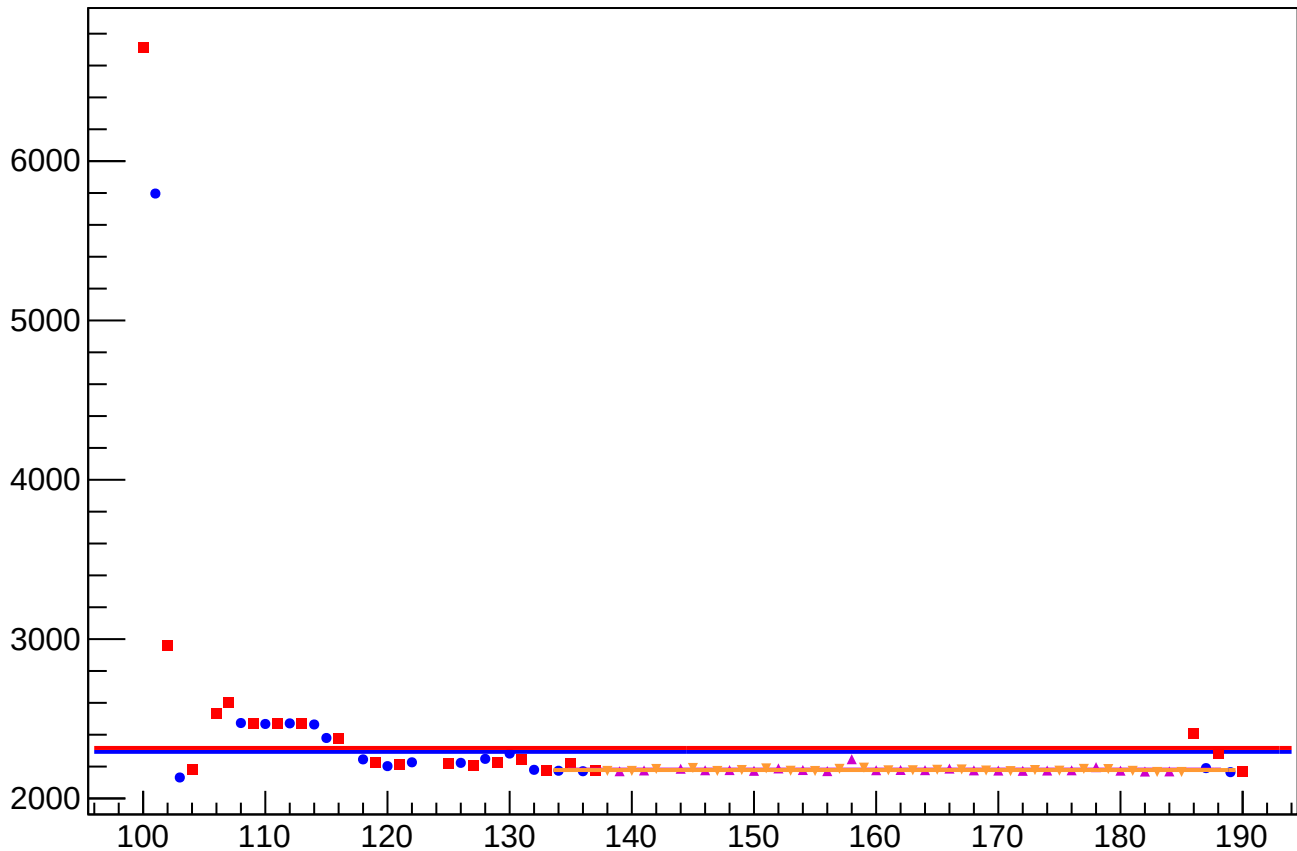
Left In: 557.079 ± 509.208 χ^2/NDF : 28.7/22

+ sign -1064.605 ± 431.184 χ^2/NDF : 39.4/41

All: -248.338 ± 303.108 χ^2/NDF : 89.4/85

- sign 549.088 ± 426.178 χ^2/NDF : 43.0/43

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2292.576+/-0.584 χ^2/NDF : 519180.4/17

Left Out: 2178.244+/-0.357 χ^2/NDF : 389.1/23

Right Out: 2316.896+/-0.551 χ^2/NDF : 158401.8/20

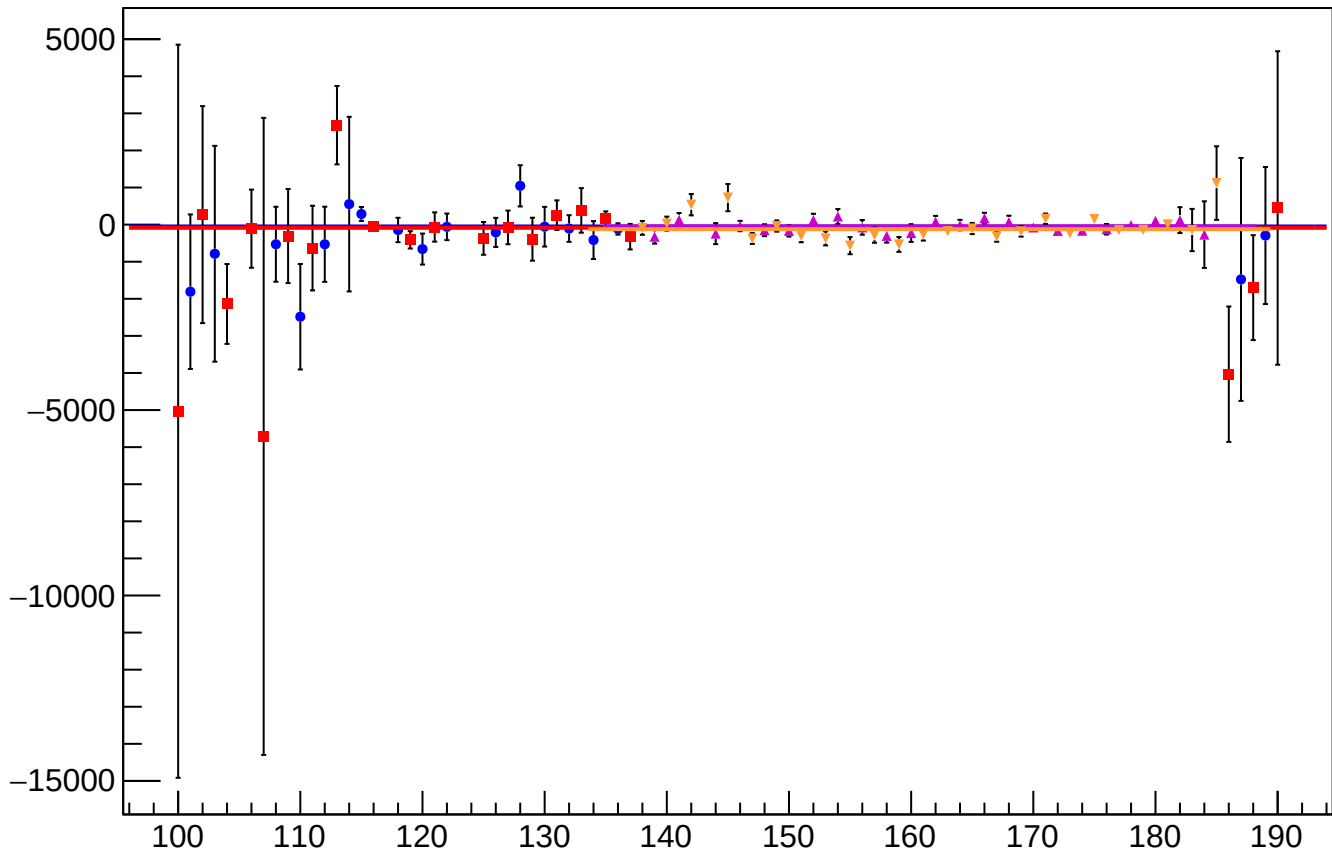
Left In: 2180.919+/-0.360 χ^2/NDF : 1866.2/22

+ sign 2209.401+/-0.305 χ^2/NDF : 547446.8/41

All: 2215.596+/-0.214 χ^2/NDF : 751248.2/85

- sign 2221.647+/-0.301 χ^2/NDF : 202985.4/43

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -49.652 ± 90.775 χ^2/NDF : 14.6/17

Left Out: -122.928 ± 31.408 χ^2/NDF : 43.8/23

Right Out: -85.492 ± 82.084 χ^2/NDF : 23.4/20

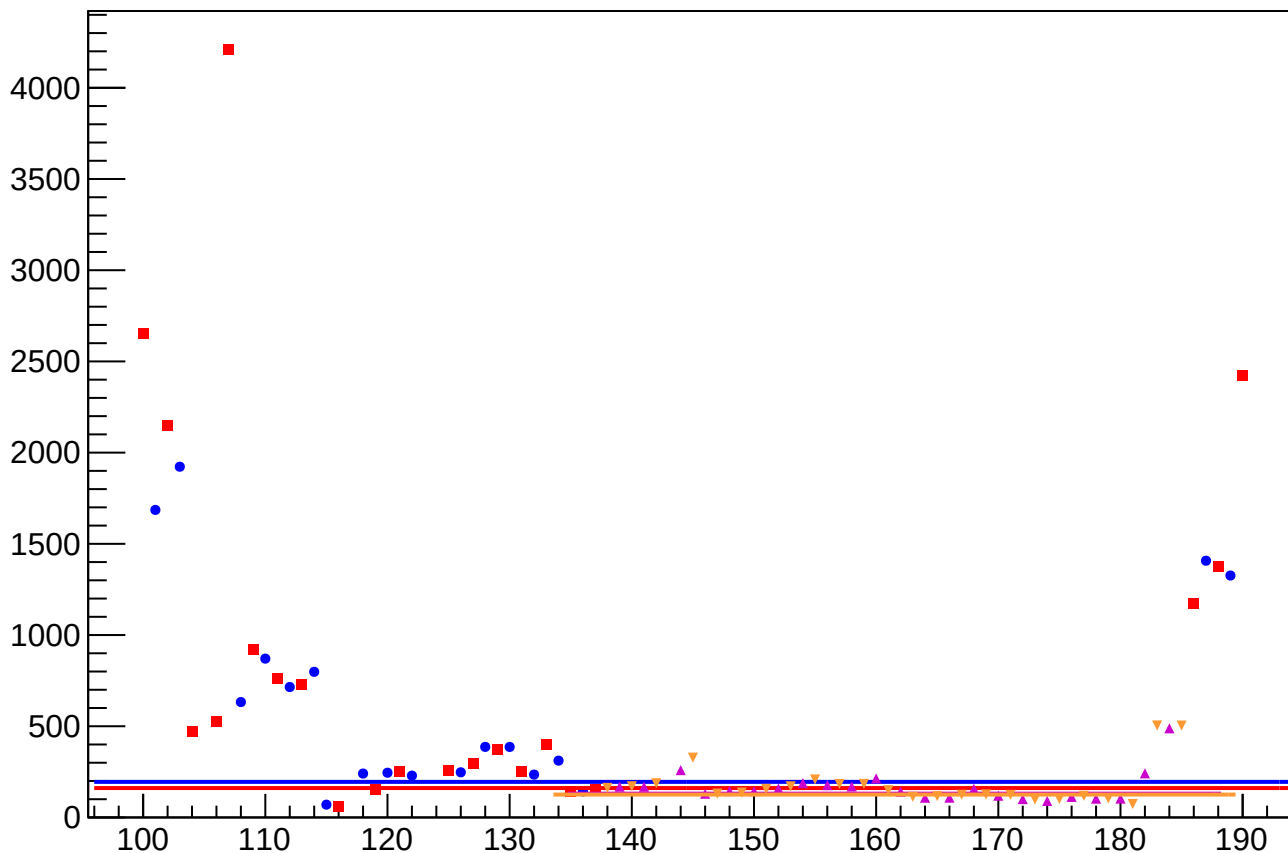
Left In: -50.209 ± 32.548 χ^2/NDF : 18.3/22

+ sign -115.094 ± 29.682 χ^2/NDF : 58.9/41

All: -85.625 ± 21.188 χ^2/NDF : 102.8/85

- sign -55.003 ± 30.256 χ^2/NDF : 41.8/43

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 195.079 $\pm$ 0.064 χ^2 /NDF: 6090644.3/17

Left Out: 125.503 $\pm$ 0.022 χ^2 /NDF: 3943570.9/23

Right Out: 161.152 $\pm$ 0.058 χ^2 /NDF: 8785144.7/20

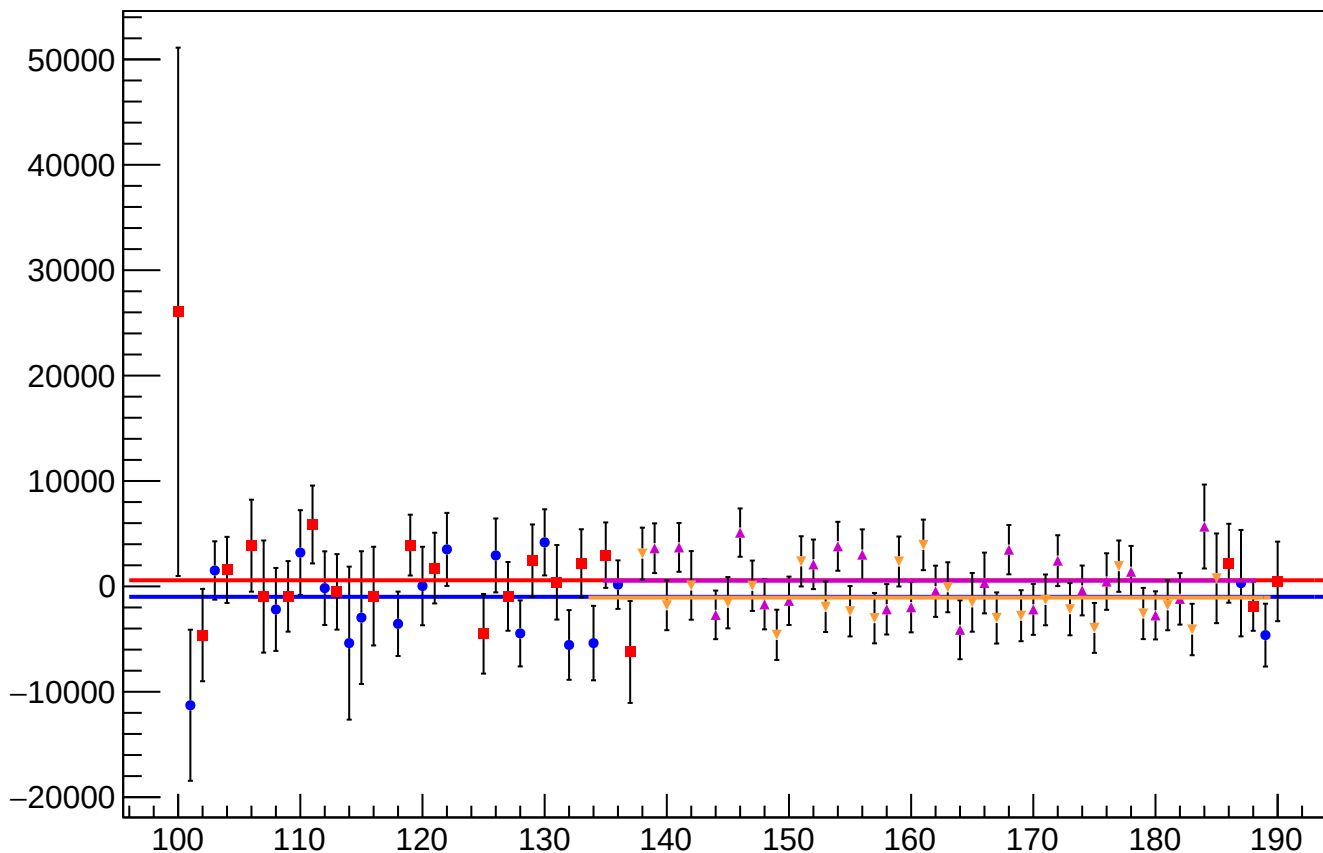
Left In: 130.451 $\pm$ 0.023 χ^2 /NDF: 2679365.4/22

+ sign 132.941 $\pm$ 0.021 χ^2 /NDF: 11083537.8/41

All: 133.766 $\pm$ 0.015 χ^2 /NDF: 22792960.5/85

- sign 134.622 $\pm$ 0.021 χ^2 /NDF: 11706277.0/43

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -990.120 ± 826.990 χ^2/NDF : 17.5/17

Left Out: -1062.372 ± 505.627 χ^2/NDF : 21.9/23

Right Out: 579.767 ± 781.963 χ^2/NDF : 13.6/20

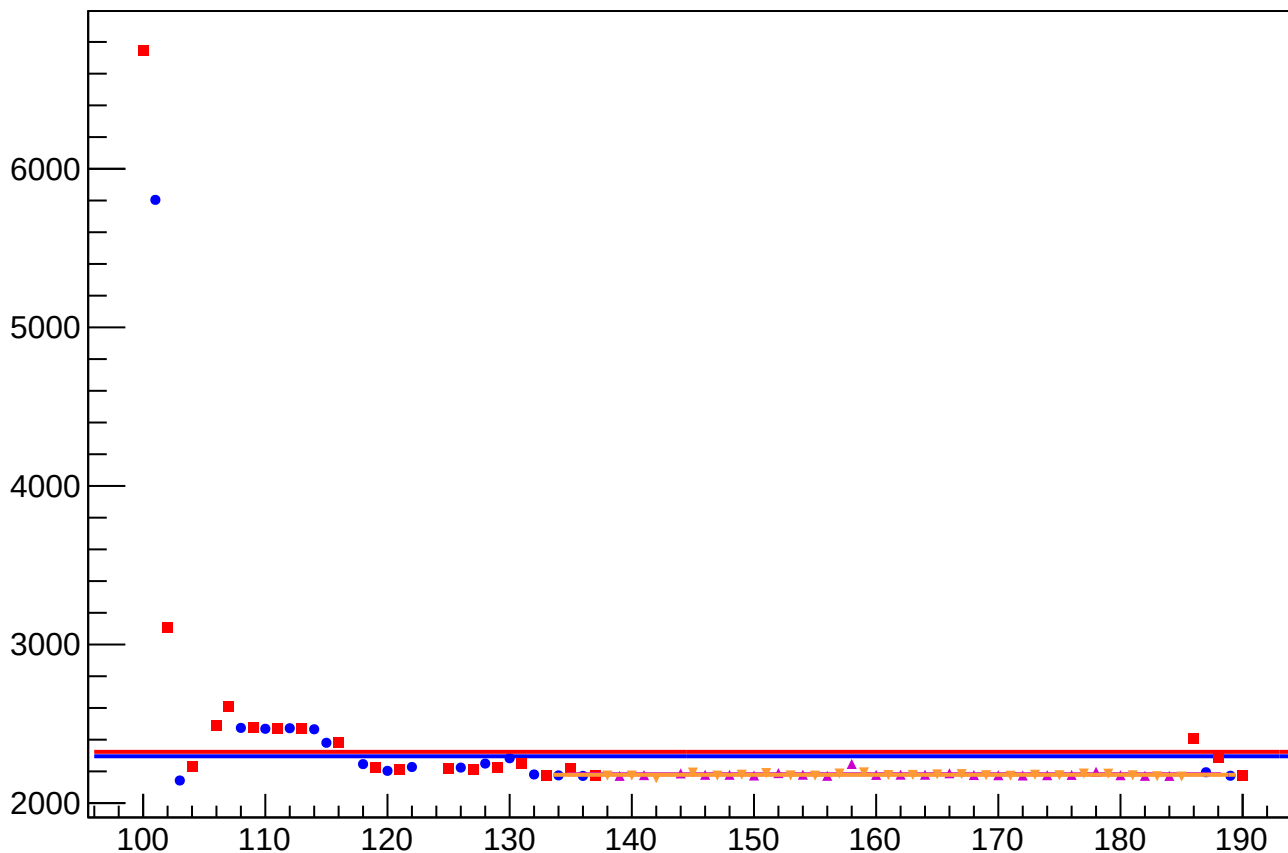
Left In: 544.260 ± 509.433 χ^2/NDF : 27.9/22

+ sign -1042.712 ± 431.385 χ^2/NDF : 39.4/41

All: -235.479 ± 303.416 χ^2/NDF : 87.8/85

- sign 554.840 ± 426.842 χ^2/NDF : 41.5/43

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2295.195+/-0.585 χ^2/NDF : 518406.2/17

Left Out: 2178.503+/-0.358 χ^2/NDF : 456.1/23

Right Out: 2323.263+/-0.553 χ^2/NDF : 172261.0/20

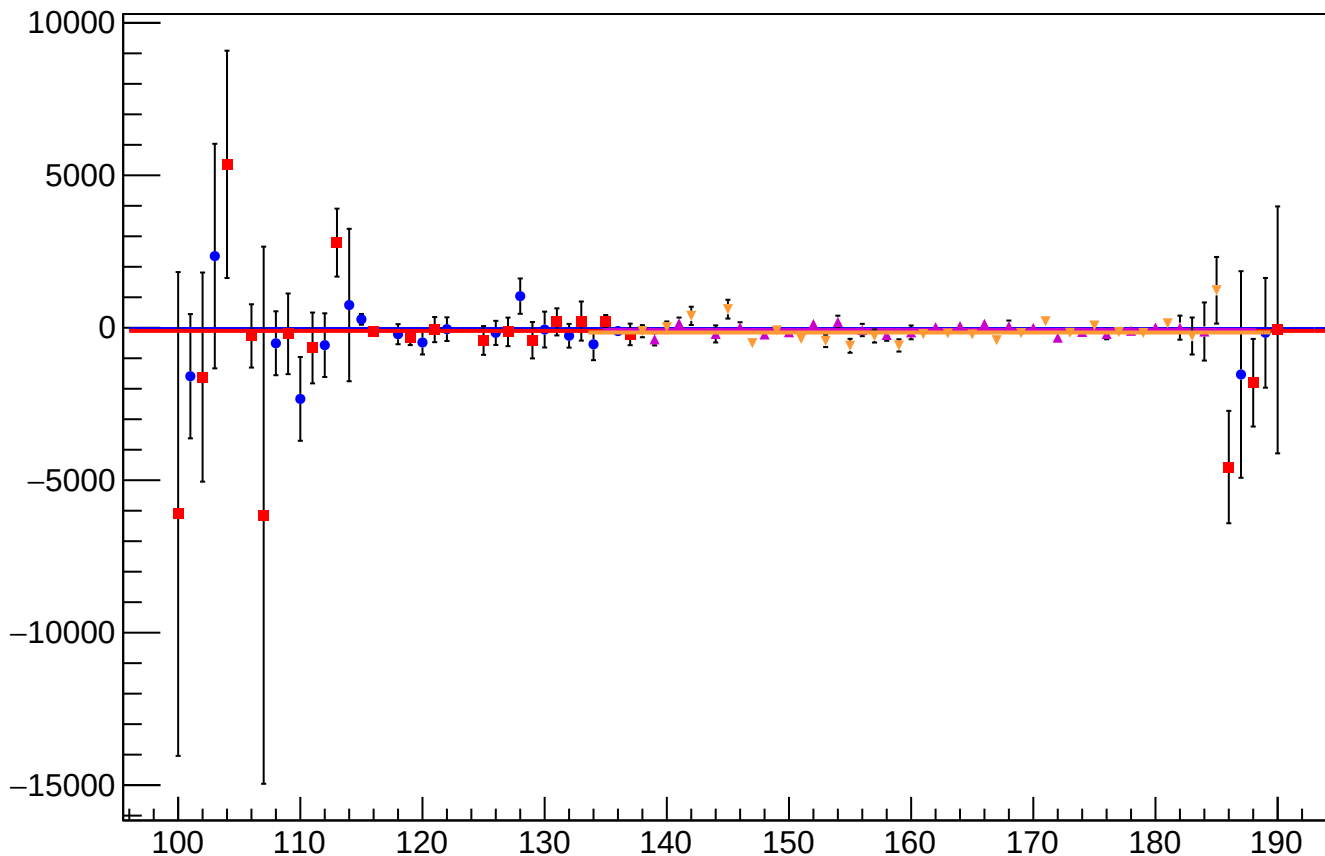
Left In: 2181.882+/-0.360 χ^2/NDF : 1838.2/22

+ sign 2210.255+/-0.305 χ^2/NDF : 547847.5/41

All: 2217.205+/-0.215 χ^2/NDF : 768872.4/85

- sign 2224.009+/-0.302 χ^2/NDF : 219997.6/43

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



Right In: -41.554 ± 92.253 χ^2/NDF : 14.3/17

Left Out: -154.725 ± 34.061 χ^2/NDF : 47.3/23

Right Out: -102.208 ± 85.821 χ^2/NDF : 22.3/20

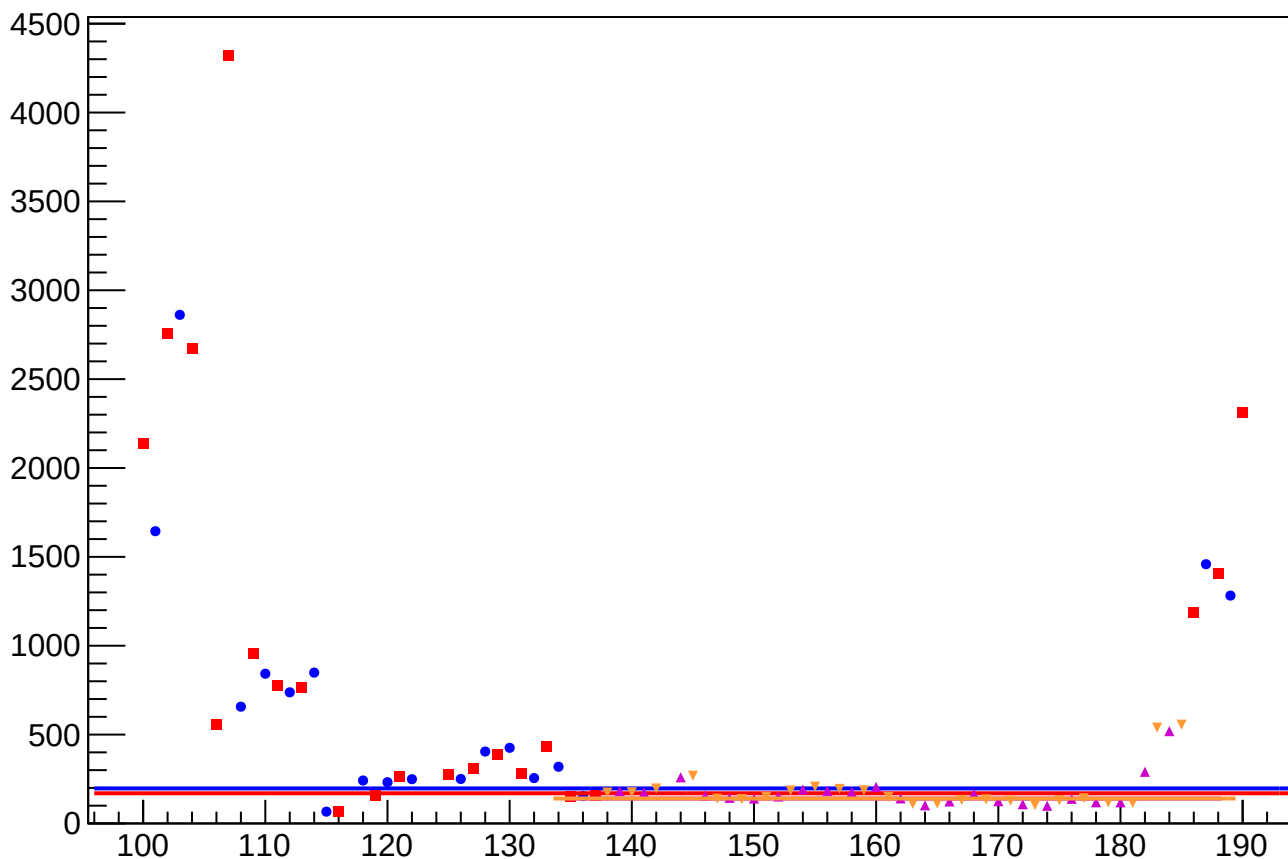
Left In: -70.142 ± 34.204 χ^2/NDF : 18.9/22

+ sign -141.149 ± 31.952 χ^2/NDF : 62.9/41

All: -107.656 ± 22.530 χ^2/NDF : 106.4/85

- sign -74.537 ± 31.774 χ^2/NDF : 41.3/43

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 197.054 $\pm$ 0.065 χ^2 /NDF: 6625548.9/17

Left Out: 140.319 $\pm$ 0.024 χ^2 /NDF: 2760284.0/23

Right Out: 169.727 $\pm$ 0.061 χ^2 /NDF: 9728071.2/20

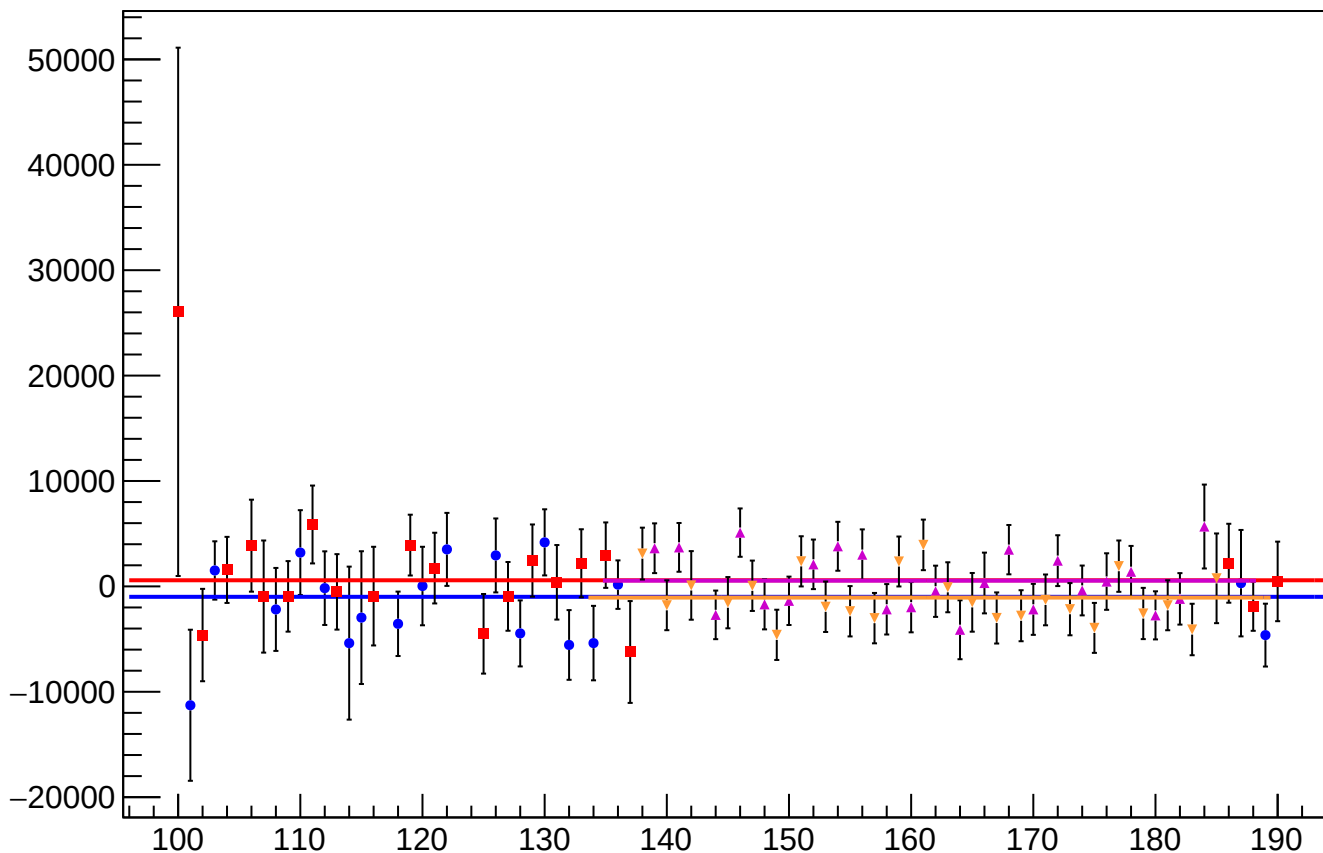
Left In: 139.979 $\pm$ 0.024 χ^2 /NDF: 2412455.4/22

+ sign 147.125 $\pm$ 0.023 χ^2 /NDF: 10051540.6/41

All: 145.582 $\pm$ 0.016 χ^2 /NDF: 22408704.9/85

- sign 144.056 $\pm$ 0.022 χ^2 /NDF: 12347889.3/43

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -990.121 ± 826.989 χ^2/NDF : 17.5/17

Left Out: -1062.373 ± 505.627 χ^2/NDF : 21.9/23

Right Out: 579.766 ± 781.963 χ^2/NDF : 13.6/20

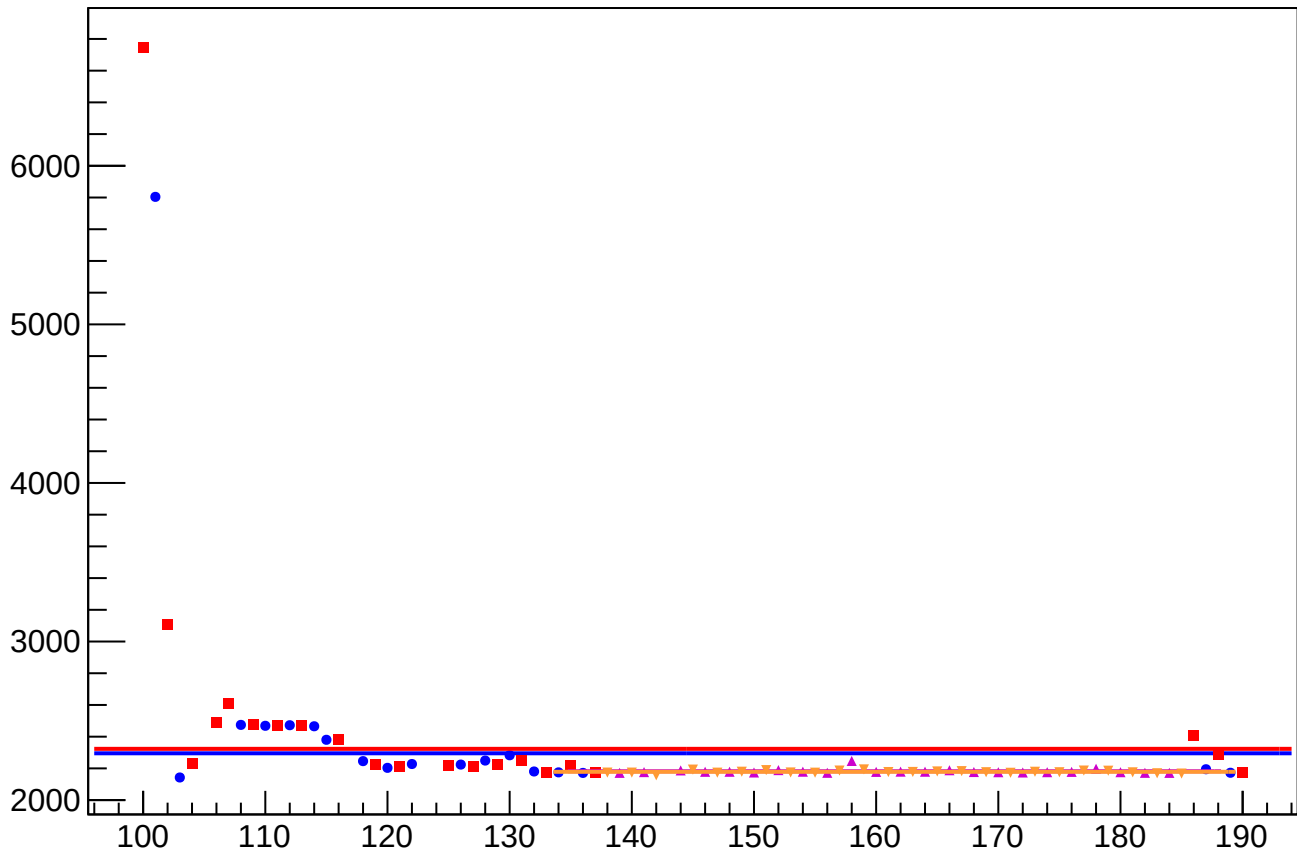
Left In: 544.259 ± 509.433 χ^2/NDF : 27.9/22

+ sign -1042.713 ± 431.385 χ^2/NDF : 39.4/41

All: -235.480 ± 303.416 χ^2/NDF : 87.8/85

- sign 554.839 ± 426.842 χ^2/NDF : 41.5/43

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2295.194+/-0.585 χ^2/NDF : 518406.2/17

Left Out: 2178.503+/-0.358 χ^2/NDF : 456.1/23

Right Out: 2323.263+/-0.553 χ^2/NDF : 172260.9/20

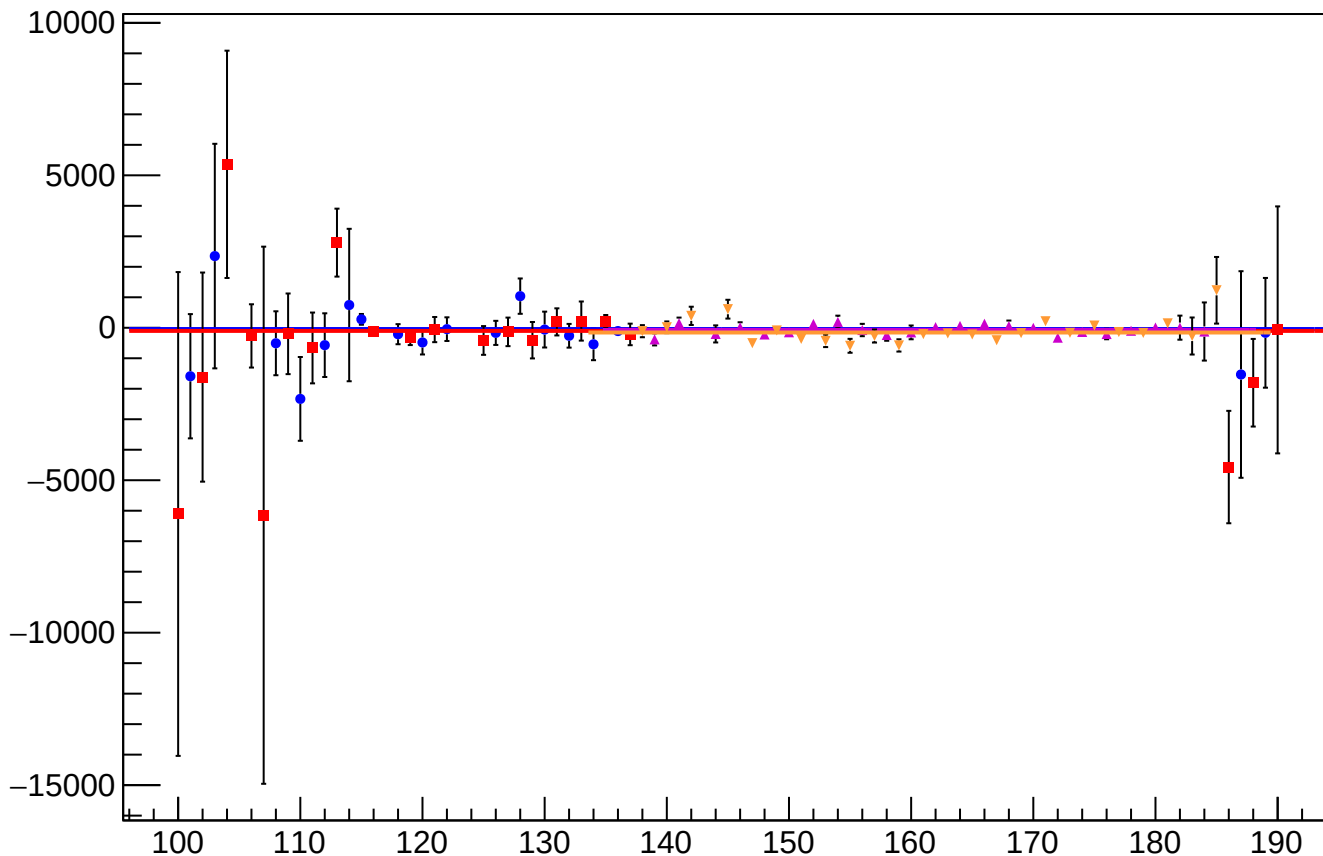
Left In: 2181.882+/-0.360 χ^2/NDF : 1838.2/22

+ sign 2210.255+/-0.305 χ^2/NDF : 547847.6/41

All: 2217.205+/-0.215 χ^2/NDF : 768872.3/85

- sign 2224.009+/-0.302 χ^2/NDF : 219997.5/43

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -41.551 ± 92.252 χ^2/NDF : 14.3/17

Left Out: -154.726 ± 34.061 χ^2/NDF : 47.3/23

Right Out: -102.208 ± 85.820 χ^2/NDF : 22.3/20

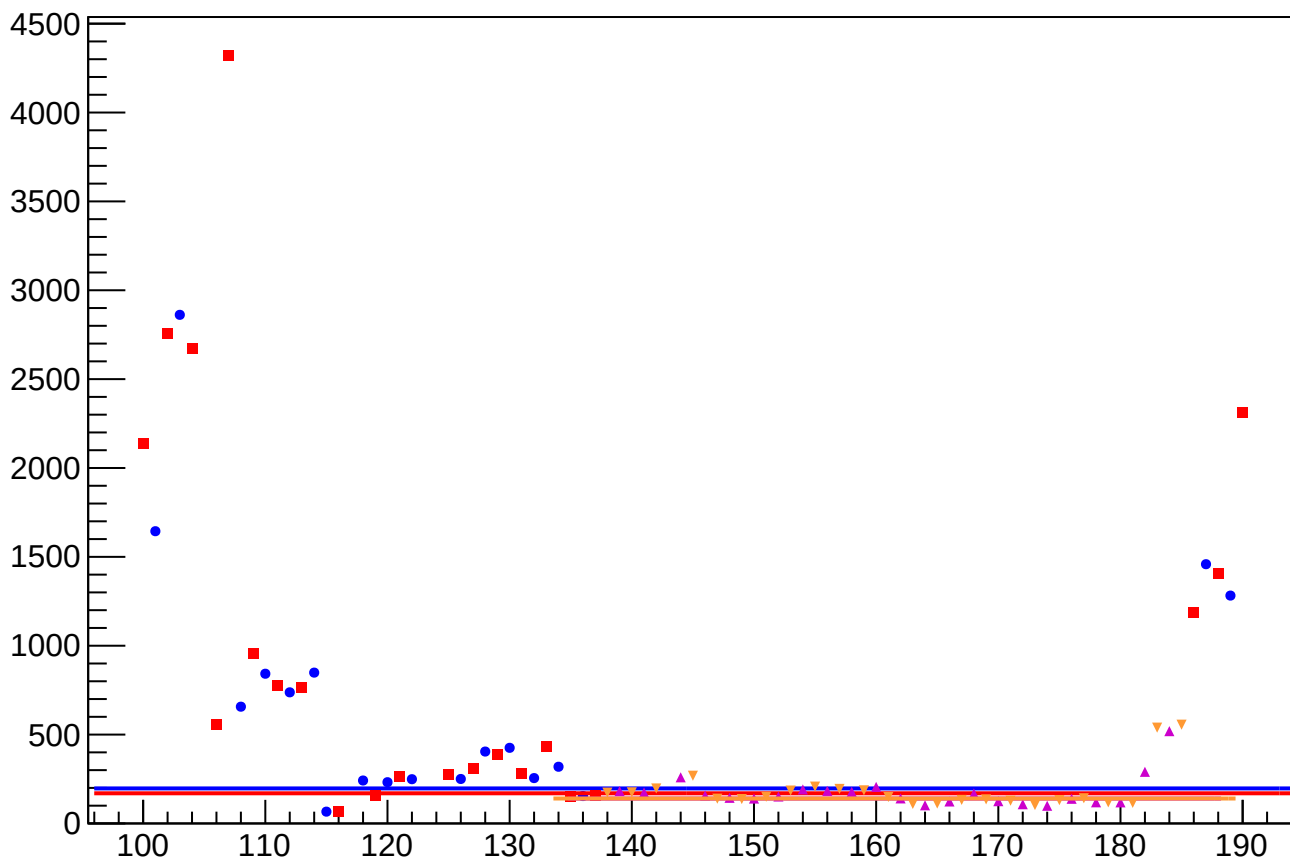
Left In: -70.141 ± 34.204 χ^2/NDF : 18.9/22

+ sign -141.149 ± 31.952 χ^2/NDF : 62.9/41

All: -107.656 ± 22.530 χ^2/NDF : 106.4/85

- sign -74.536 ± 31.774 χ^2/NDF : 41.3/43

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 197.052 $\pm$ 0.065 χ^2 /NDF: 6625590.0/17

Left Out: 140.319 $\pm$ 0.024 χ^2 /NDF: 2760280.2/23

Right Out: 169.724 $\pm$ 0.061 χ^2 /NDF: 9728139.2/20

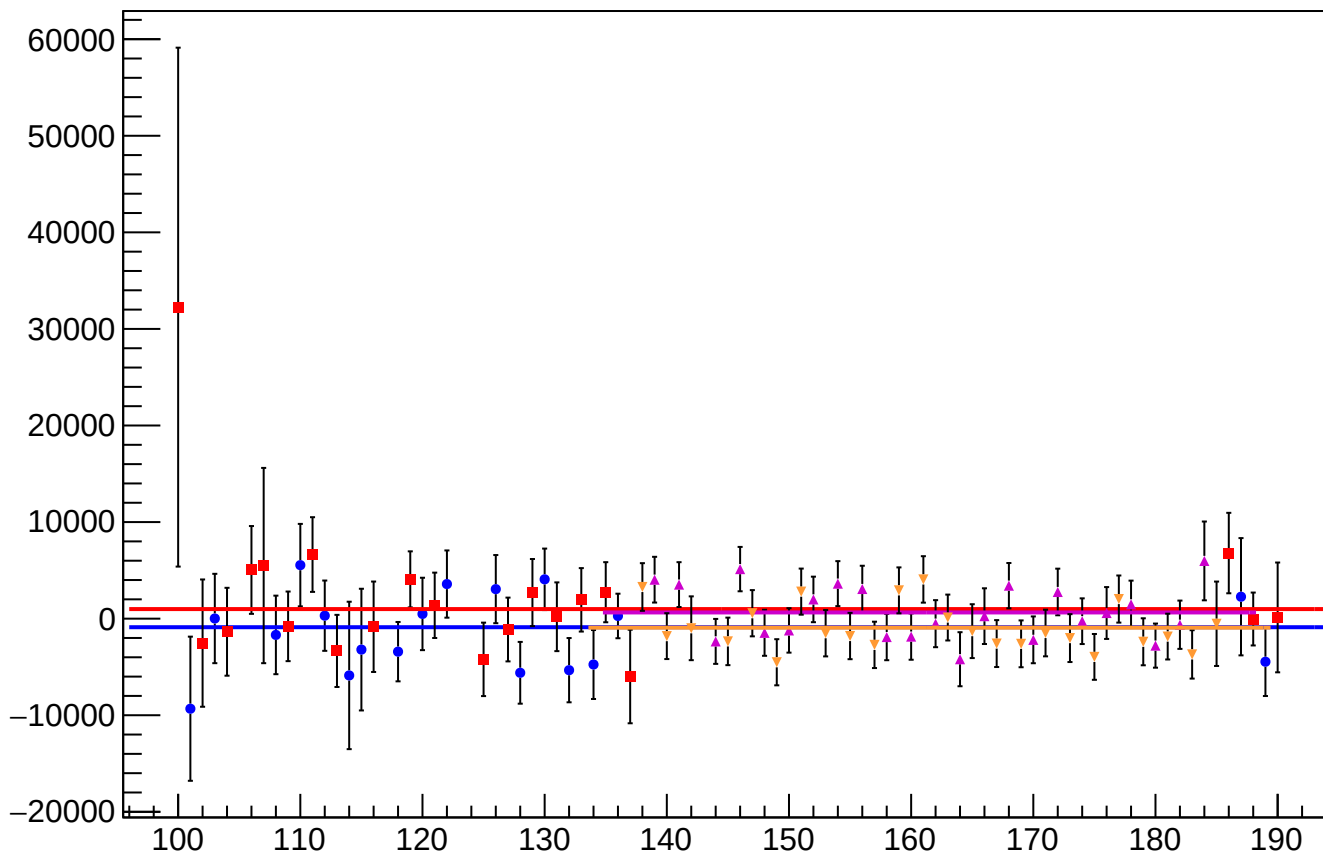
Left In: 139.979 $\pm$ 0.024 χ^2 /NDF: 2412509.5/22

+ sign 147.125 $\pm$ 0.023 χ^2 /NDF: 10051525.0/41

All: 145.582 $\pm$ 0.016 χ^2 /NDF: 22408780.9/85

- sign 144.056 $\pm$ 0.022 χ^2 /NDF: 12347979.3/43

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -886.066+/-877.813 χ^2/NDF : 17.1/17

Left Out: -932.002+/-507.717 χ^2/NDF : 22.4/23

Right Out: 991.747+/-850.827 χ^2/NDF : 15.1/20

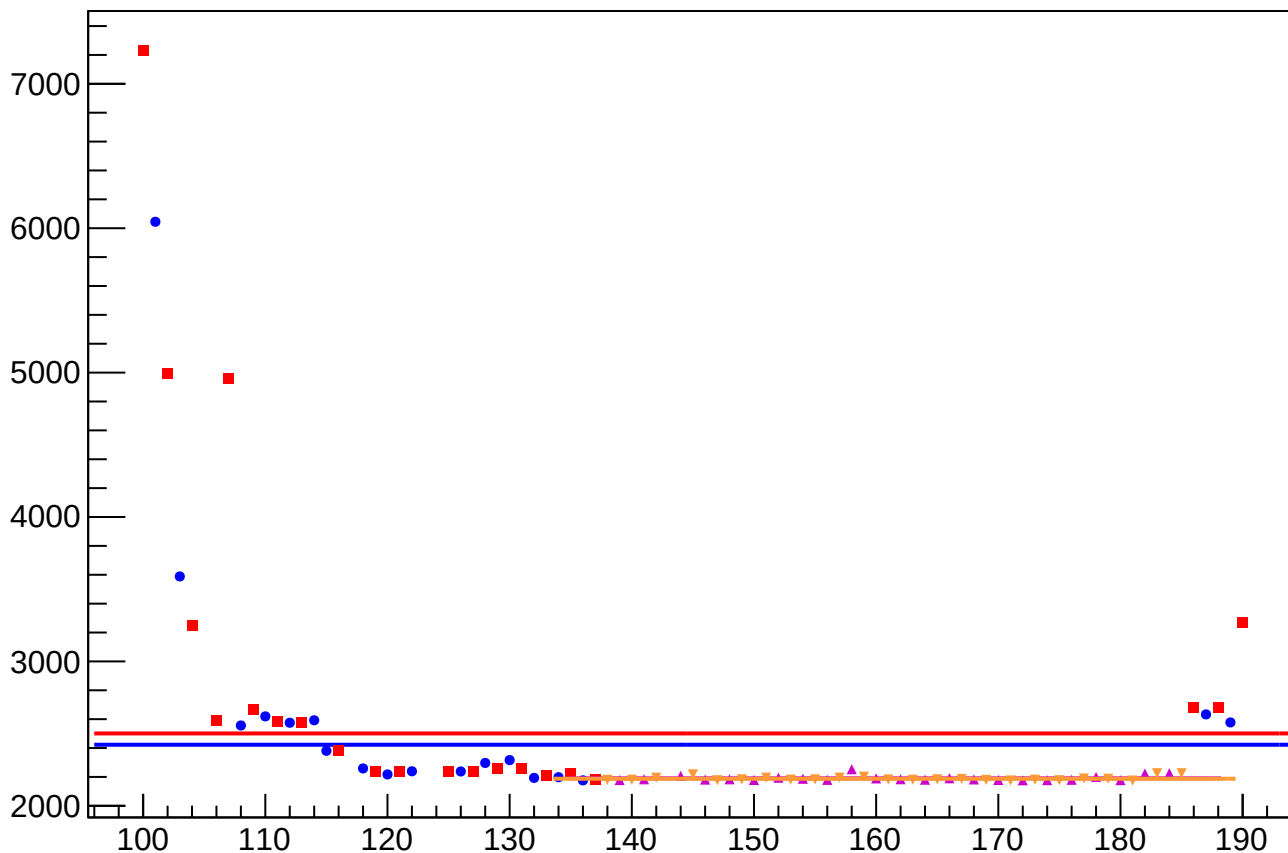
Left In: 642.773+/-511.372 χ^2/NDF : 27.0/22

+ sign -920.487+/-439.498 χ^2/NDF : 39.5/41

All: -90.291+/-310.347 χ^2/NDF : 88.8/85

- sign 735.381+/-438.299 χ^2/NDF : 42.2/43

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2422.880+/-0.621 χ^2 /NDF: 683621.0/17

Left Out: 2187.620+/-0.359 χ^2 /NDF:1342.1/23

Right Out: 2501.113+/-0.602 χ^2 /NDF: 688006.5/20

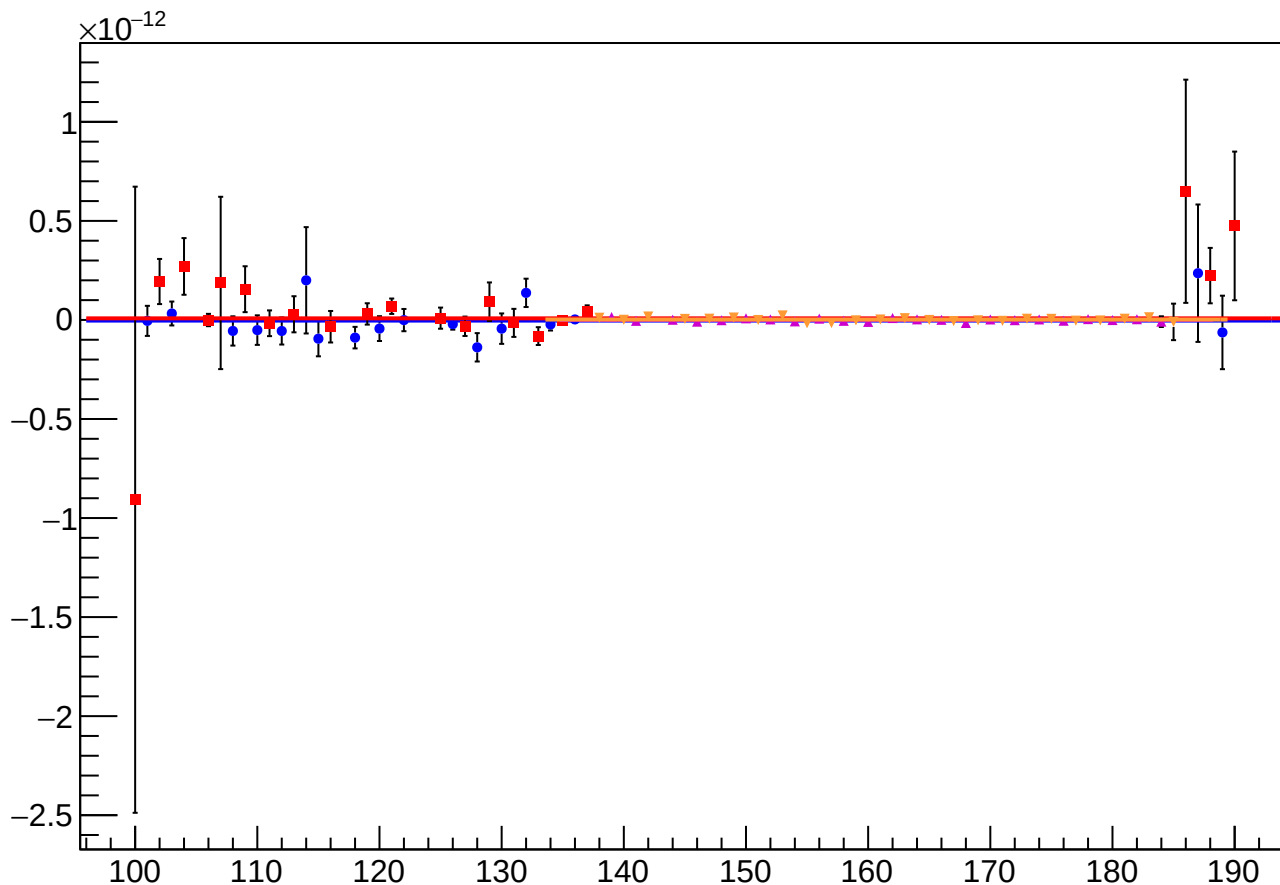
Left In: 2190.163+/-0.362 χ^2 /NDF:2542.8/22

+ sign 2246.594+/-0.311 χ^2 /NDF: 792608.4/41

All: 2259.673+/-0.219 χ^2 /NDF: 1682934.9/85

- sign 2272.682+/-0.310 χ^2 /NDF: 886793.4/43

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 16.2/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 19.4/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 24.1/20

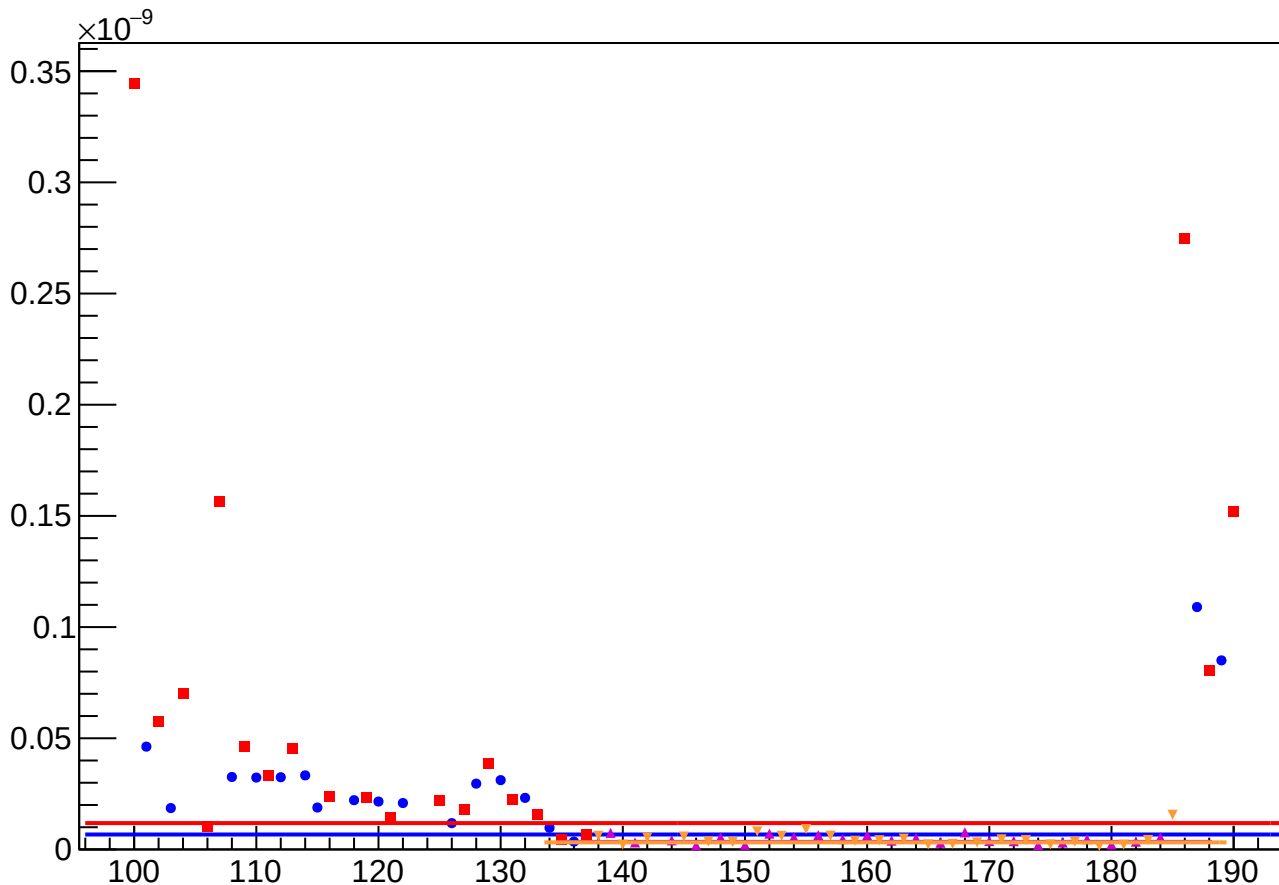
Left In: 0.000 ± 0.000 χ^2/NDF : 13.3/22

+ sign 0.000 ± 0.000 χ^2/NDF : 36.2/41

All: 0.000 ± 0.000 χ^2/NDF : 74.6/85

- sign 0.000 ± 0.000 χ^2/NDF : 38.1/43

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 3388137.6/17

Left Out: 0.000 +/- 0.000 χ^2/NDF : 2065501.9/23

Right Out: 0.000 +/- 0.000 χ^2/NDF : 3900727.2/20

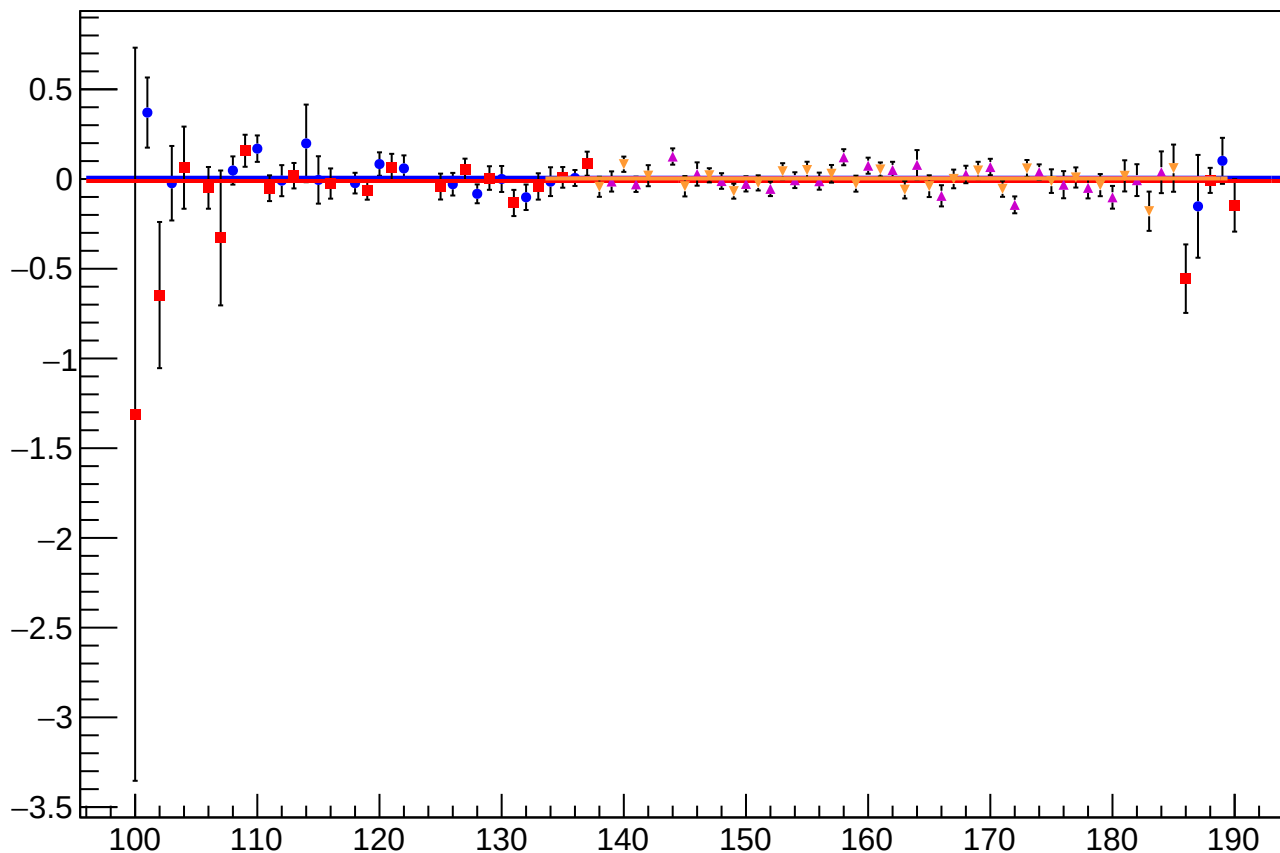
Left In: 0.000 +/- 0.000 χ^2/NDF : 1703481.0/22

+ sign 0.000 +/- 0.000 χ^2/NDF : 6054545.6/41

All: 0.000 +/- 0.000 χ^2/NDF : 13156994.4/85

- sign 0.000 +/- 0.000 χ^2/NDF : 7074957.1/43

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.018 χ^2/NDF : 18.1/17

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: -0.011 ± 0.018 χ^2/NDF : 25.4/20

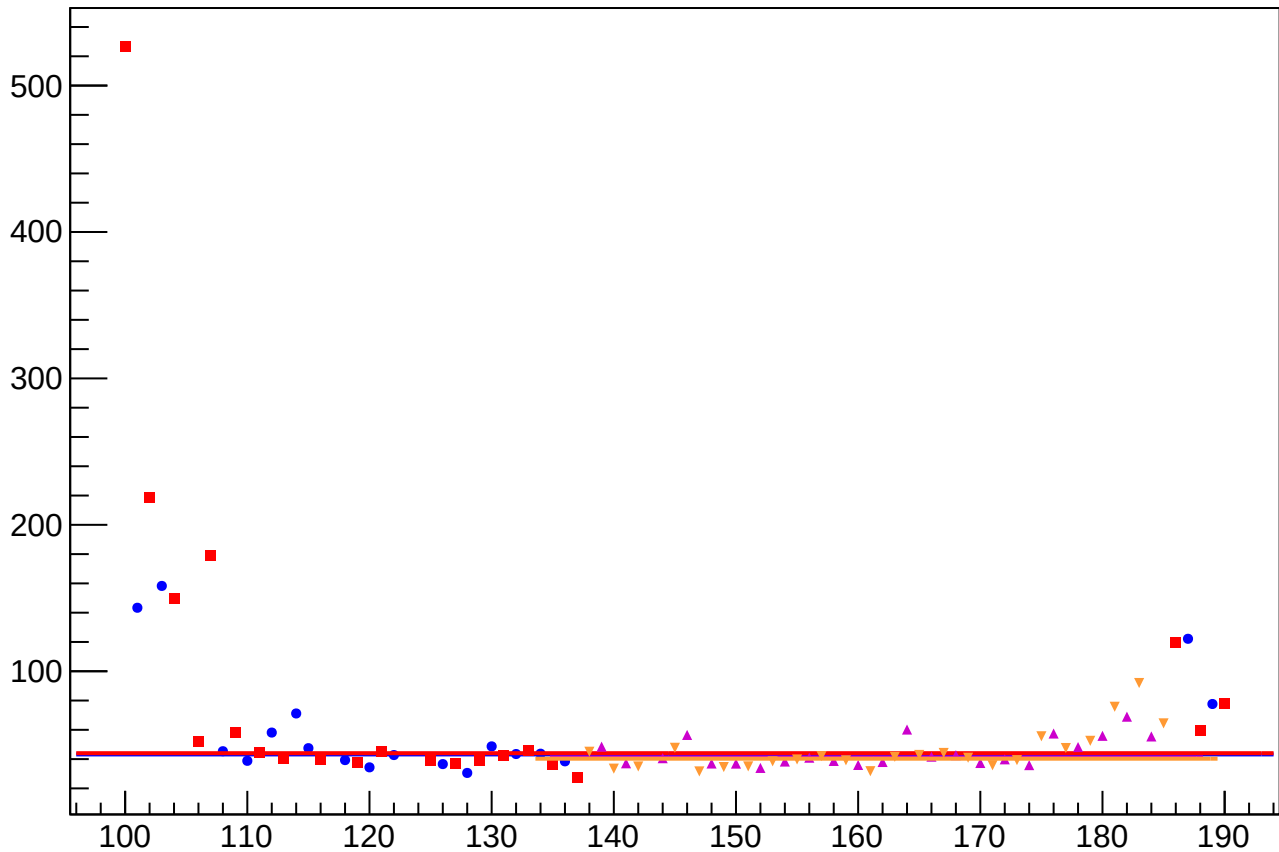
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.004 ± 0.009 χ^2/NDF : 40.0/41

All: 0.003 ± 0.006 χ^2/NDF : 107.5/85

- sign 0.001 ± 0.009 χ^2/NDF : 67.5/43

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 43.186 $\pm$ 0.013 χ^2 /NDF: 1757270.0/17

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489065.3/23

Right Out: 44.042 $\pm$ 0.013 χ^2 /NDF: 1991234.5/20

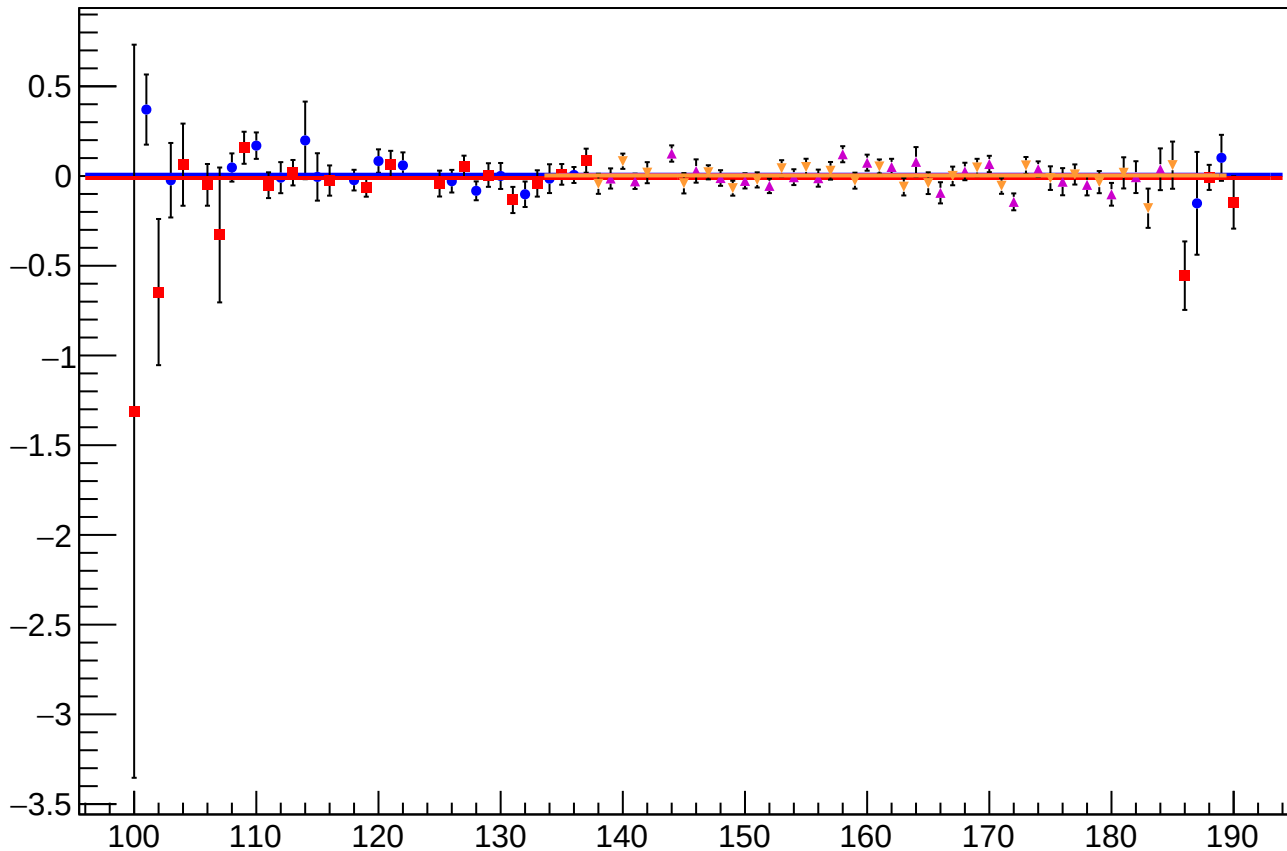
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926843.9/22

+ sign 40.999 $\pm$ 0.006 χ^2 /NDF: 3285422.6/41

All: 41.424 $\pm$ 0.005 χ^2 /NDF: 6253569.6/85

- sign 41.856 $\pm$ 0.006 χ^2 /NDF: 2959151.0/43

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.018 $\chi^2/\text{NDF}: 18.1/17$

Left Out: 0.003 ± 0.010 $\chi^2/\text{NDF}: 21.8/23$

Right Out: -0.011 ± 0.018 $\chi^2/\text{NDF}: 25.4/20$

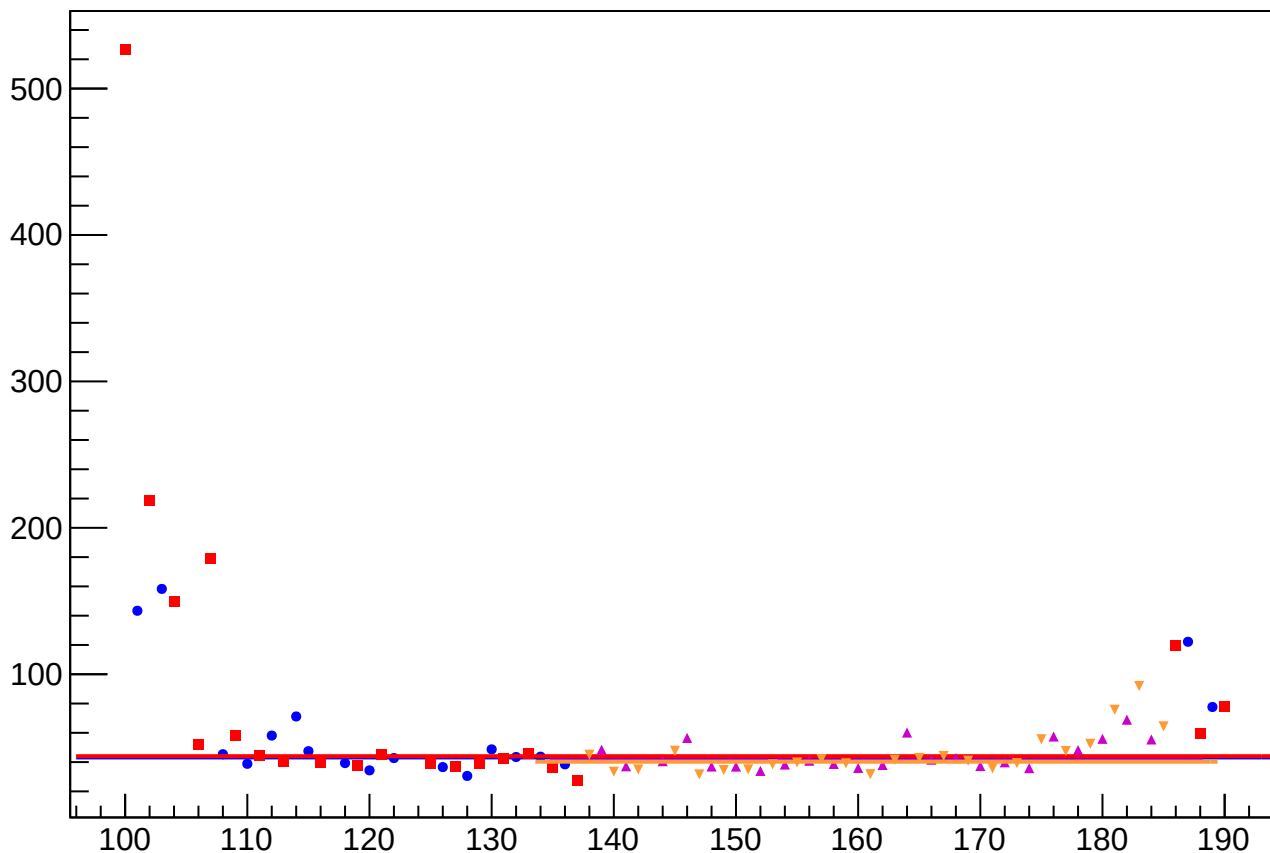
Left In: 0.005 ± 0.011 $\chi^2/\text{NDF}: 41.4/22$

+ sign 0.004 ± 0.009 $\chi^2/\text{NDF}: 40.0/41$

All: 0.003 ± 0.006 $\chi^2/\text{NDF}: 107.5/85$

- sign 0.001 ± 0.009 $\chi^2/\text{NDF}: 67.5/43$

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.186 $\pm$ 0.013 χ^2 /NDF: 1757270.0/17

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489065.3/23

Right Out: 44.042 $\pm$ 0.013 χ^2 /NDF: 1991234.5/20

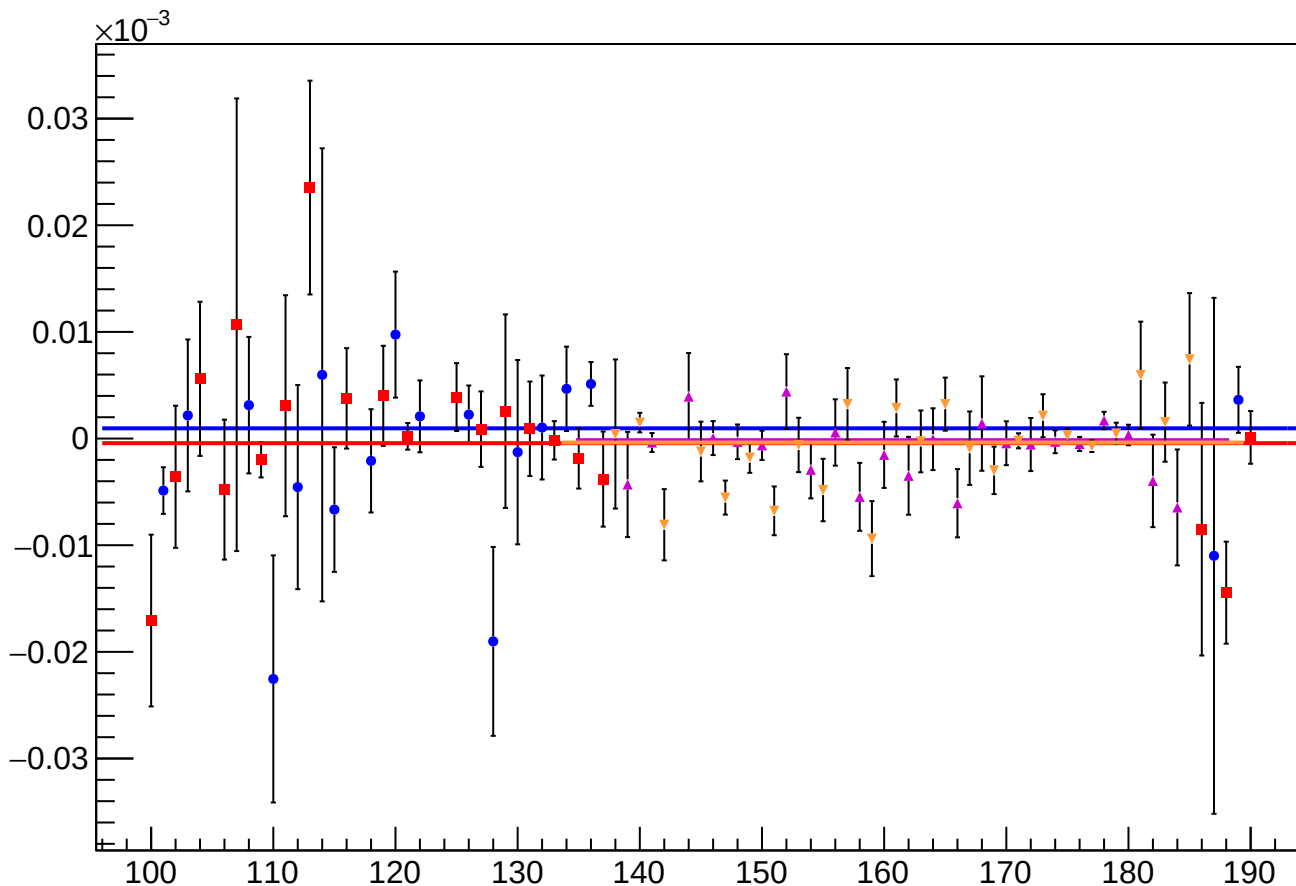
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926843.9/22

+ sign 40.999 $\pm$ 0.006 χ^2 /NDF: 3285422.6/41

All: 41.424 $\pm$ 0.005 χ^2 /NDF: 6253569.6/85

- sign 41.856 $\pm$ 0.006 χ^2 /NDF: 2959151.0/43

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.5/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:51.2/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 26.7/20

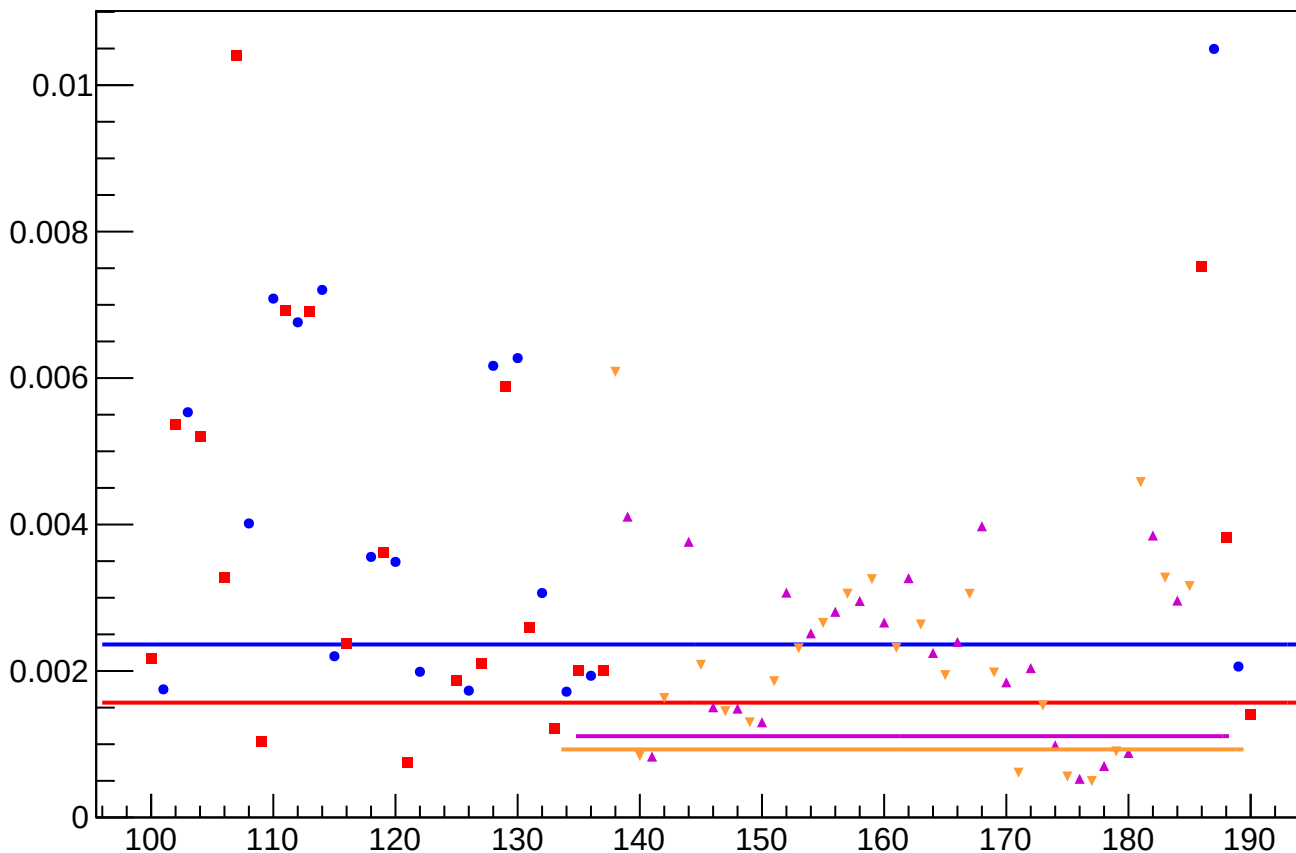
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 80.5/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 127.2/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 46.7/43

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3078158.2/17

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:12568645.9/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 5976512.3/20

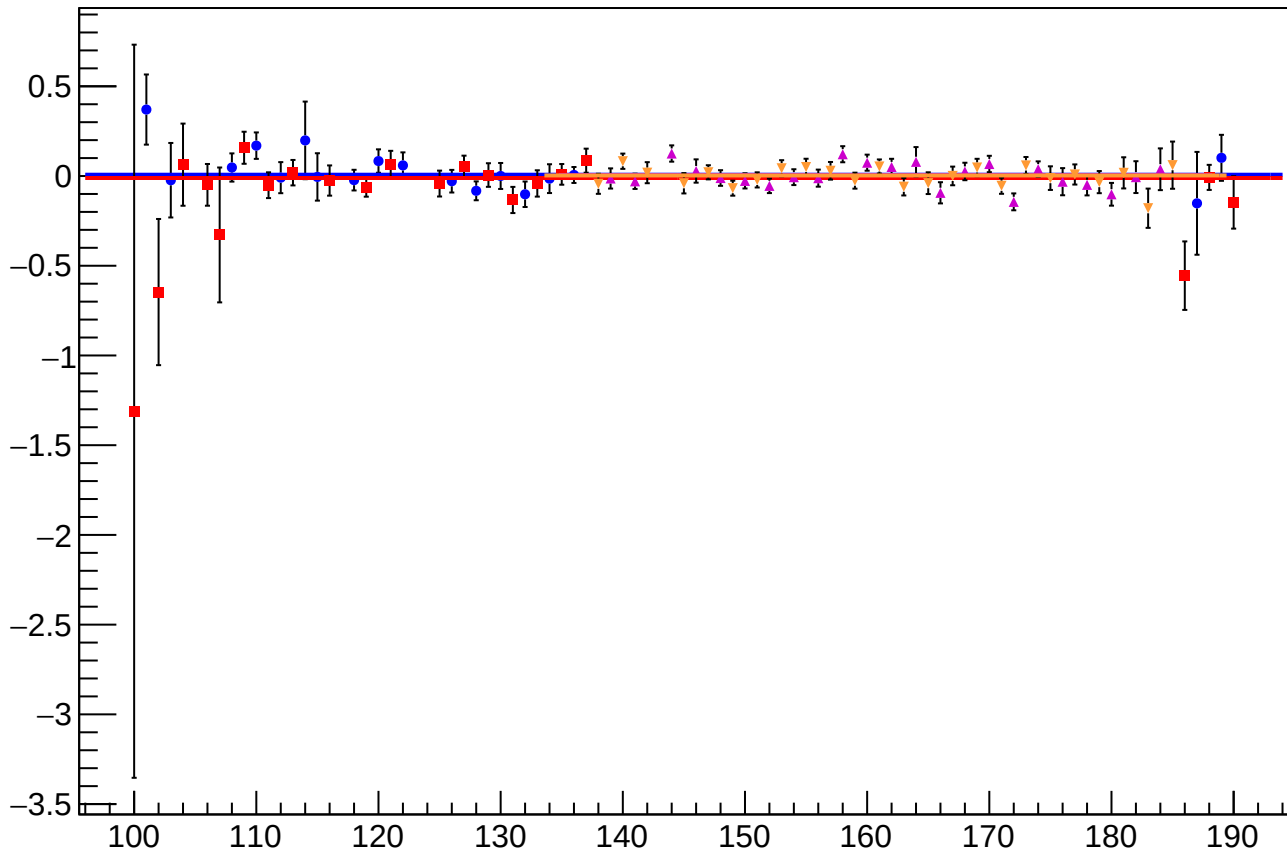
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:10930077.0/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 19713416.0/41

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 37657609.1/85

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 17643686.0/43

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.018 χ^2/NDF : 18.1/17

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: -0.011 ± 0.018 χ^2/NDF : 25.4/20

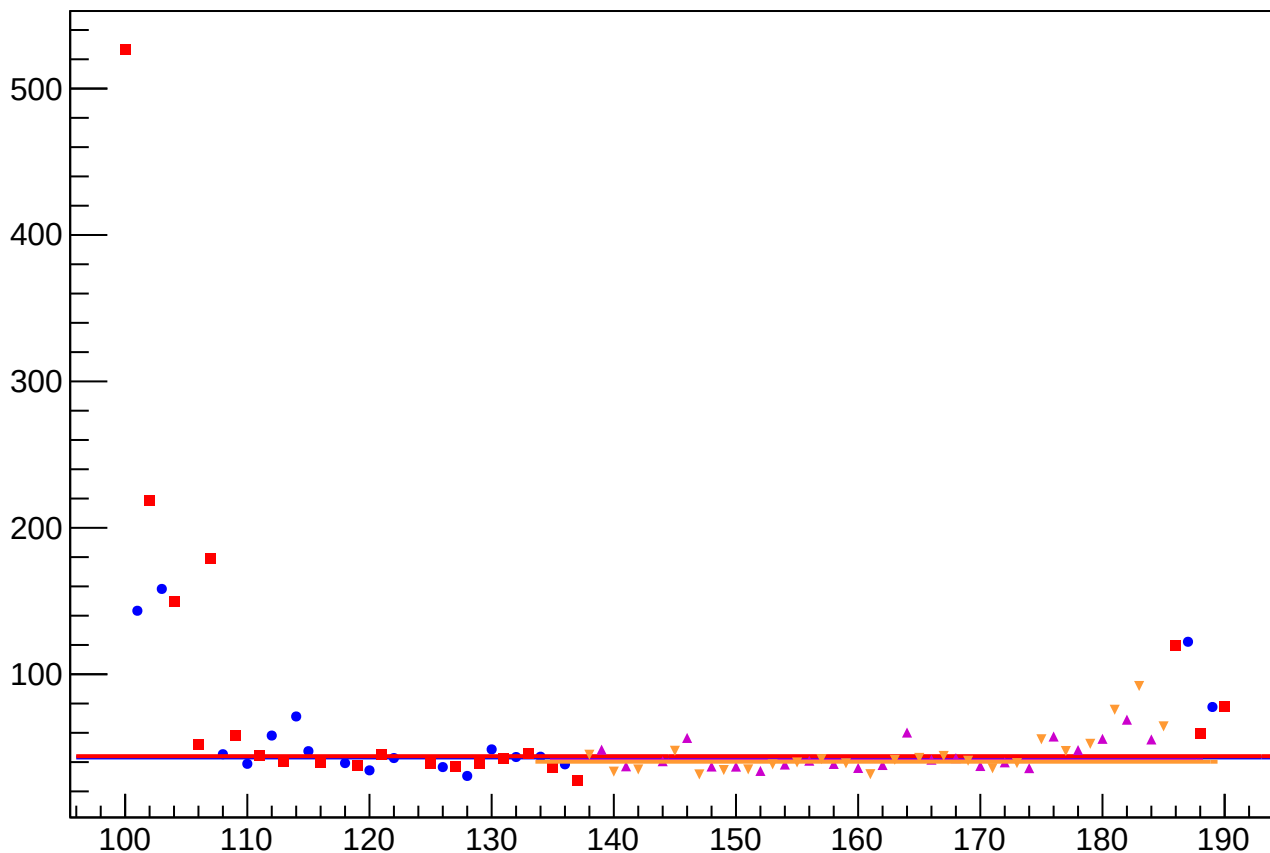
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.004 ± 0.009 χ^2/NDF : 40.0/41

All: 0.003 ± 0.006 χ^2/NDF : 107.5/85

- sign 0.001 ± 0.009 χ^2/NDF : 67.5/43

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 43.184+/-0.013 χ^2/NDF : 1757521.6/17

Left Out: 40.277+/-0.007 χ^2/NDF : 1489049.7/23

Right Out: 44.043+/-0.013 χ^2/NDF : 1991236.4/20

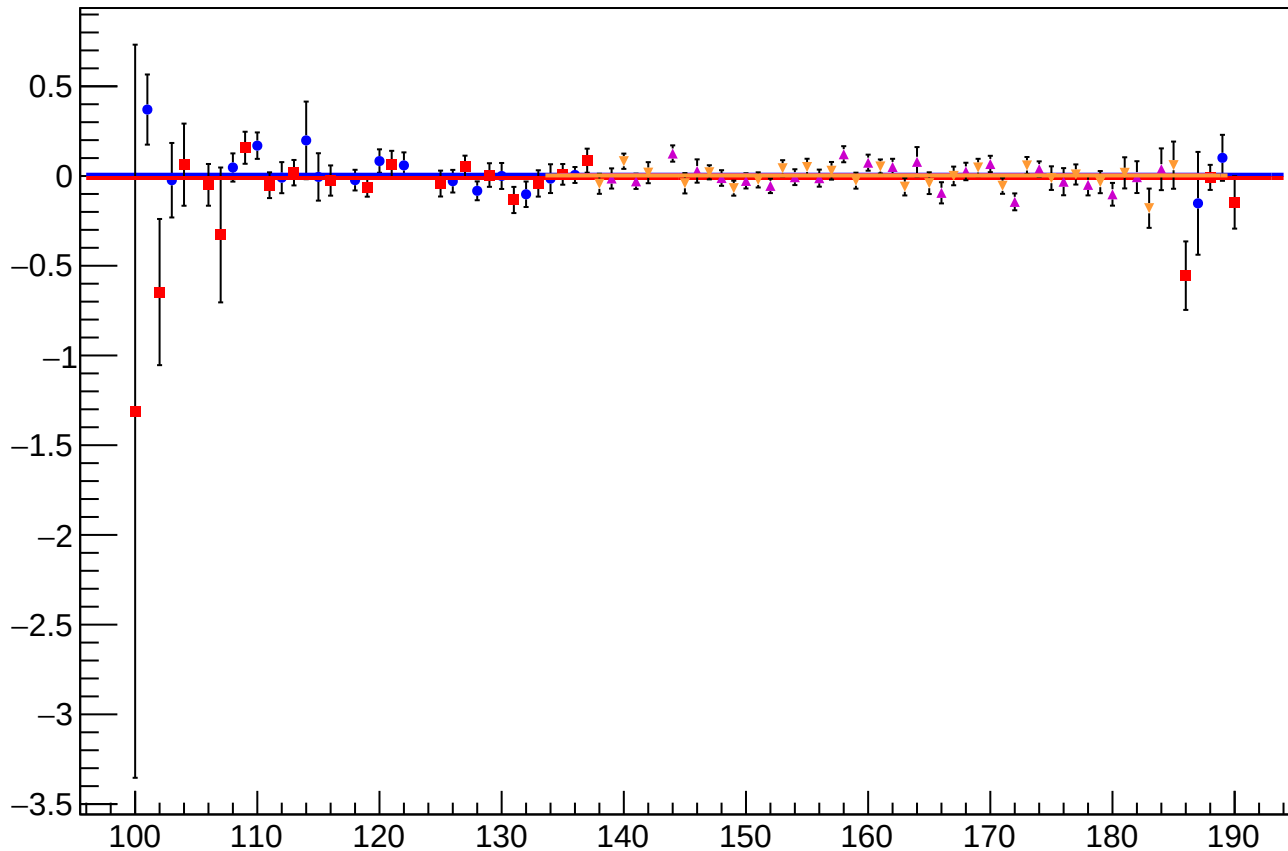
Left In: 41.082+/-0.007 χ^2/NDF : 926883.3/22

+ sign 40.999+/-0.006 χ^2/NDF : 3285590.9/41

All: 41.424+/-0.005 χ^2/NDF : 6253805.7/85

- sign 41.856+/-0.006 χ^2/NDF : 2959205.5/43

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.018 χ^2/NDF : 18.1/17

Left Out: 0.003 ± 0.010 χ^2/NDF : 21.8/23

Right Out: -0.011 ± 0.018 χ^2/NDF : 25.4/20

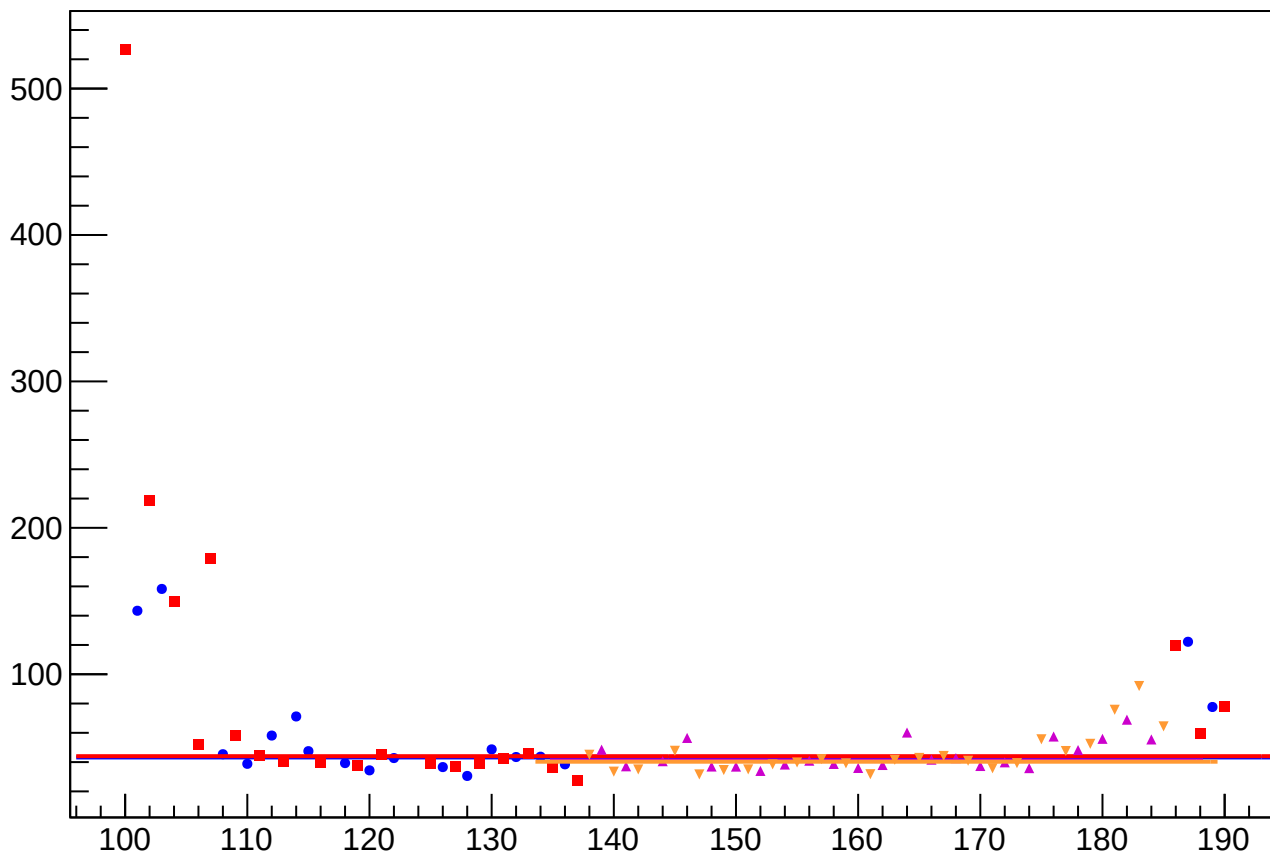
Left In: 0.005 ± 0.011 χ^2/NDF : 41.4/22

+ sign 0.004 ± 0.009 χ^2/NDF : 40.0/41

All: 0.003 ± 0.006 χ^2/NDF : 107.5/85

- sign 0.001 ± 0.009 χ^2/NDF : 67.5/43

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.184 $\pm$ 0.013 χ^2 /NDF: 1757521.6/17

Left Out: 40.277 $\pm$ 0.007 χ^2 /NDF: 1489049.7/23

Right Out: 44.043 $\pm$ 0.013 χ^2 /NDF: 1991236.4/20

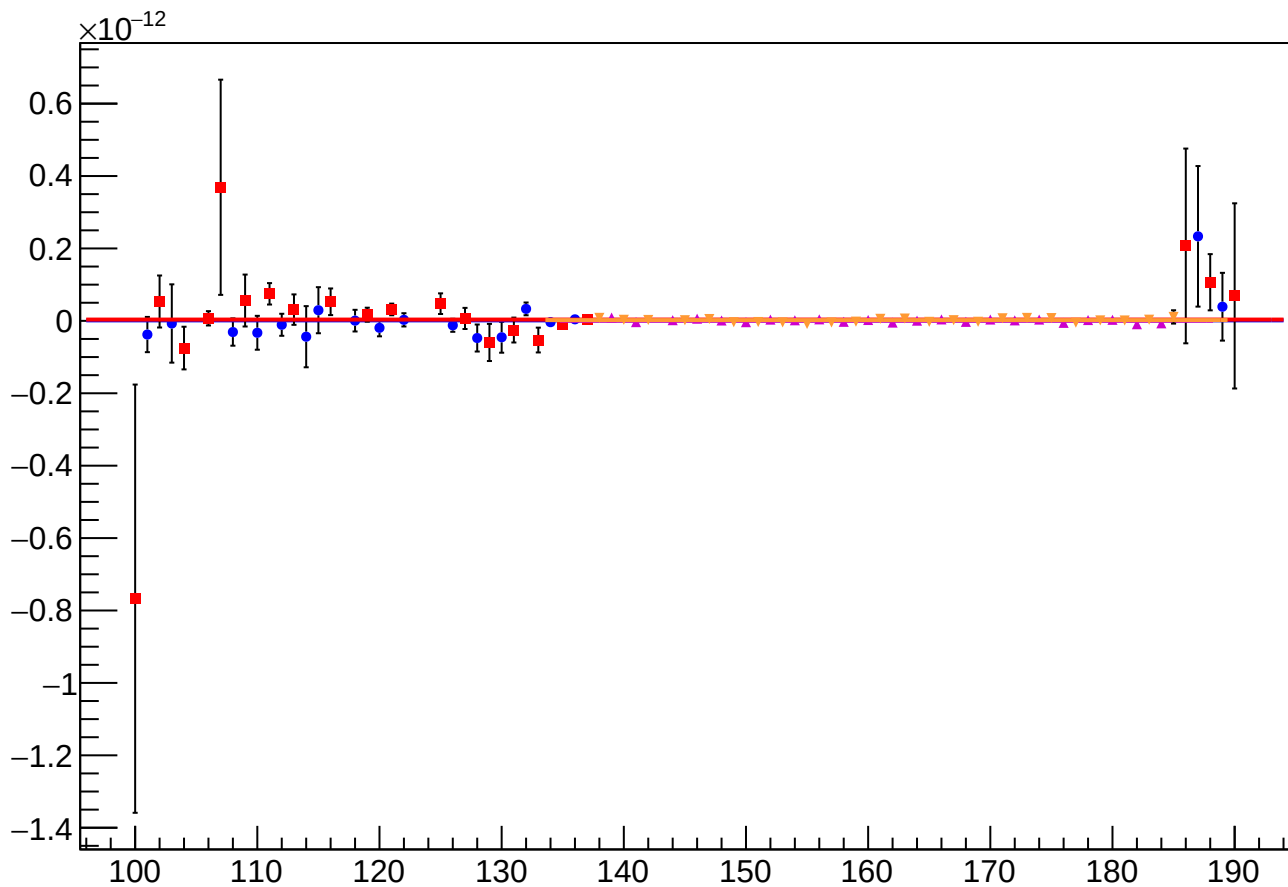
Left In: 41.082 $\pm$ 0.007 χ^2 /NDF: 926883.3/22

+ sign 40.999 $\pm$ 0.006 χ^2 /NDF: 3285590.9/41

All: 41.424 $\pm$ 0.005 χ^2 /NDF: 6253805.7/85

- sign 41.856 $\pm$ 0.006 χ^2 /NDF: 2959205.5/43

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 31.2/20

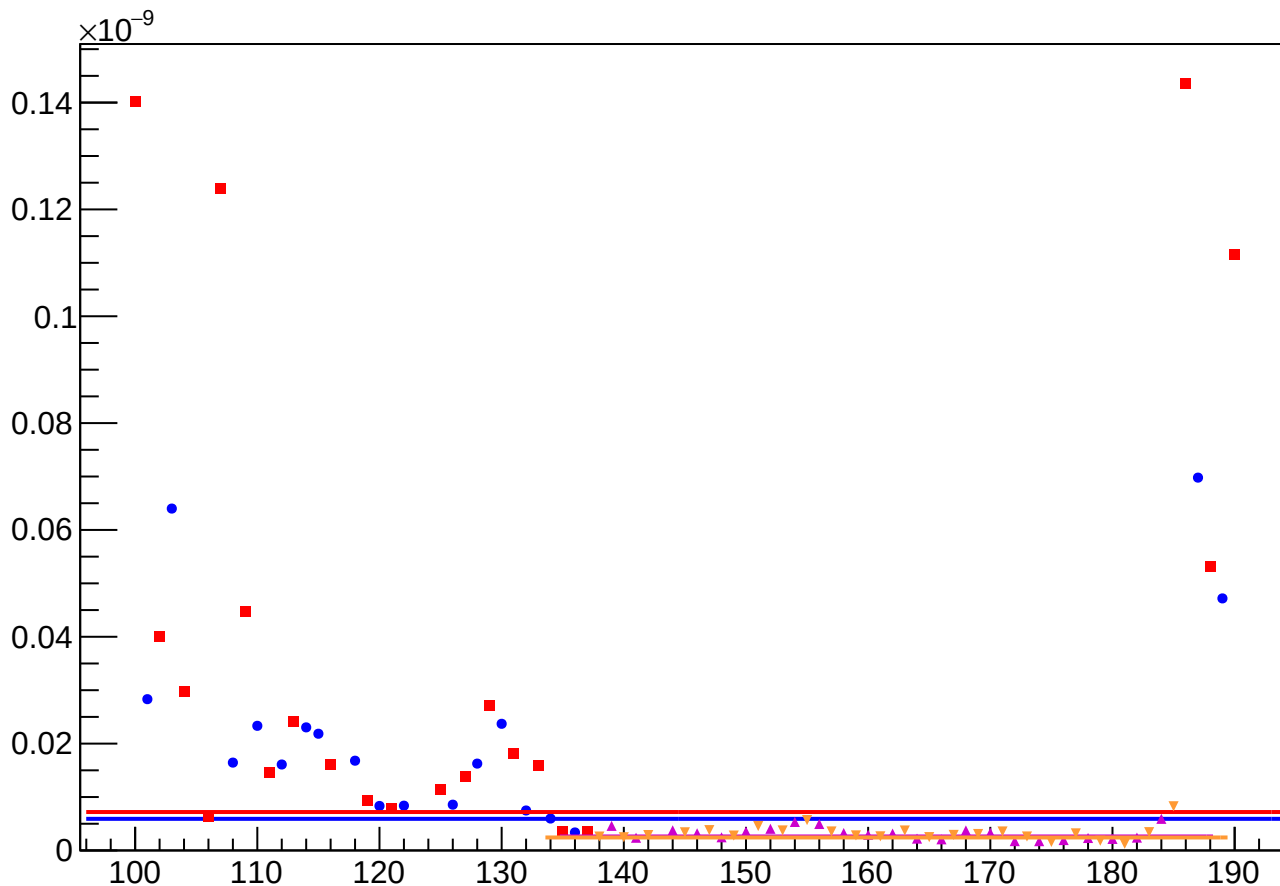
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.3/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 94.0/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 54.8/43

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3902478.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 5345176.2/20

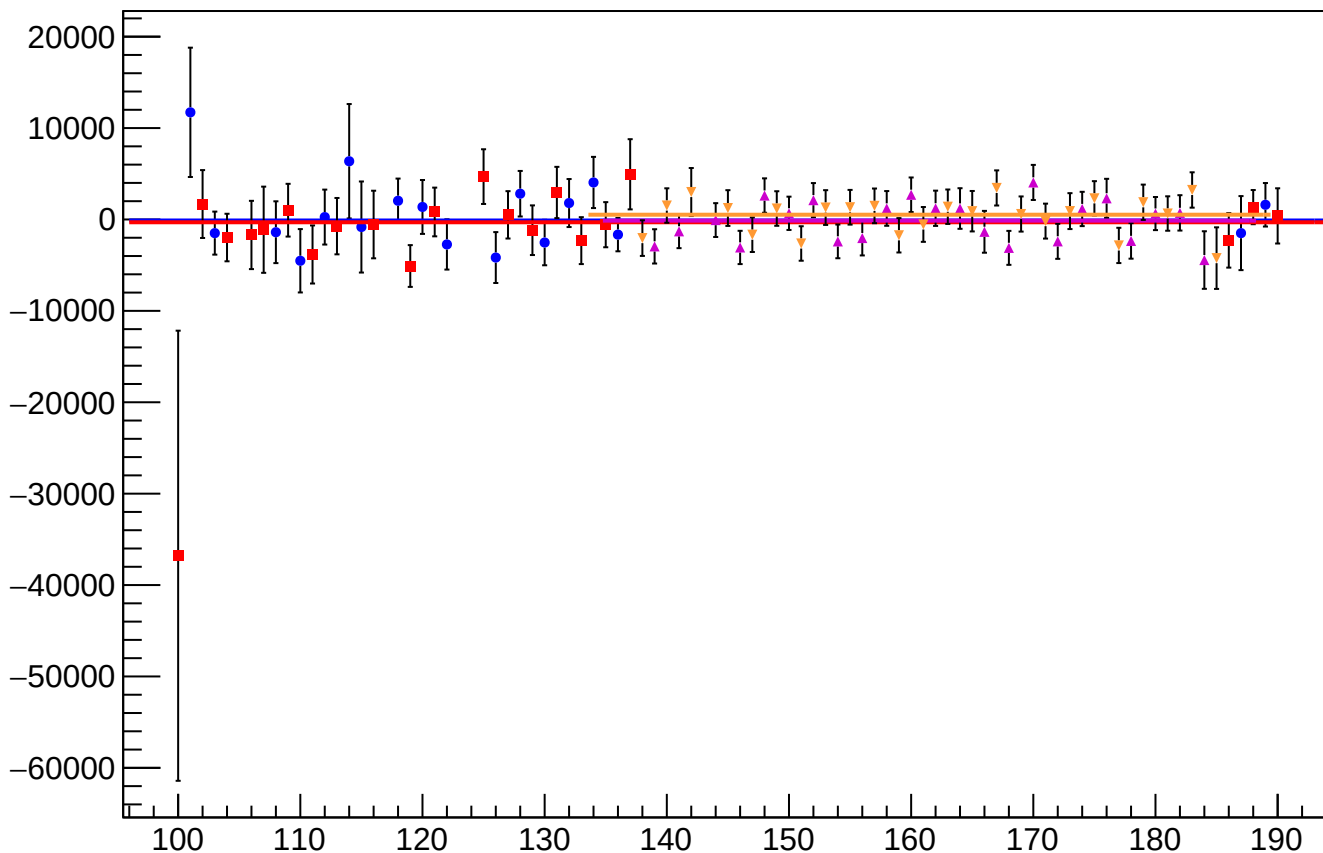
Left In: 0.000+/-0.000 χ^2/NDF : 1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 8216574.2/41

All: 0.000+/-0.000 χ^2/NDF : 17375267.4/85

- sign 0.000+/-0.000 χ^2/NDF : 9104305.1/43

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -112.665 ± 670.250 χ^2/NDF : 16.5/17

Left Out: 519.929 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -306.310 ± 634.545 χ^2/NDF : 17.2/20

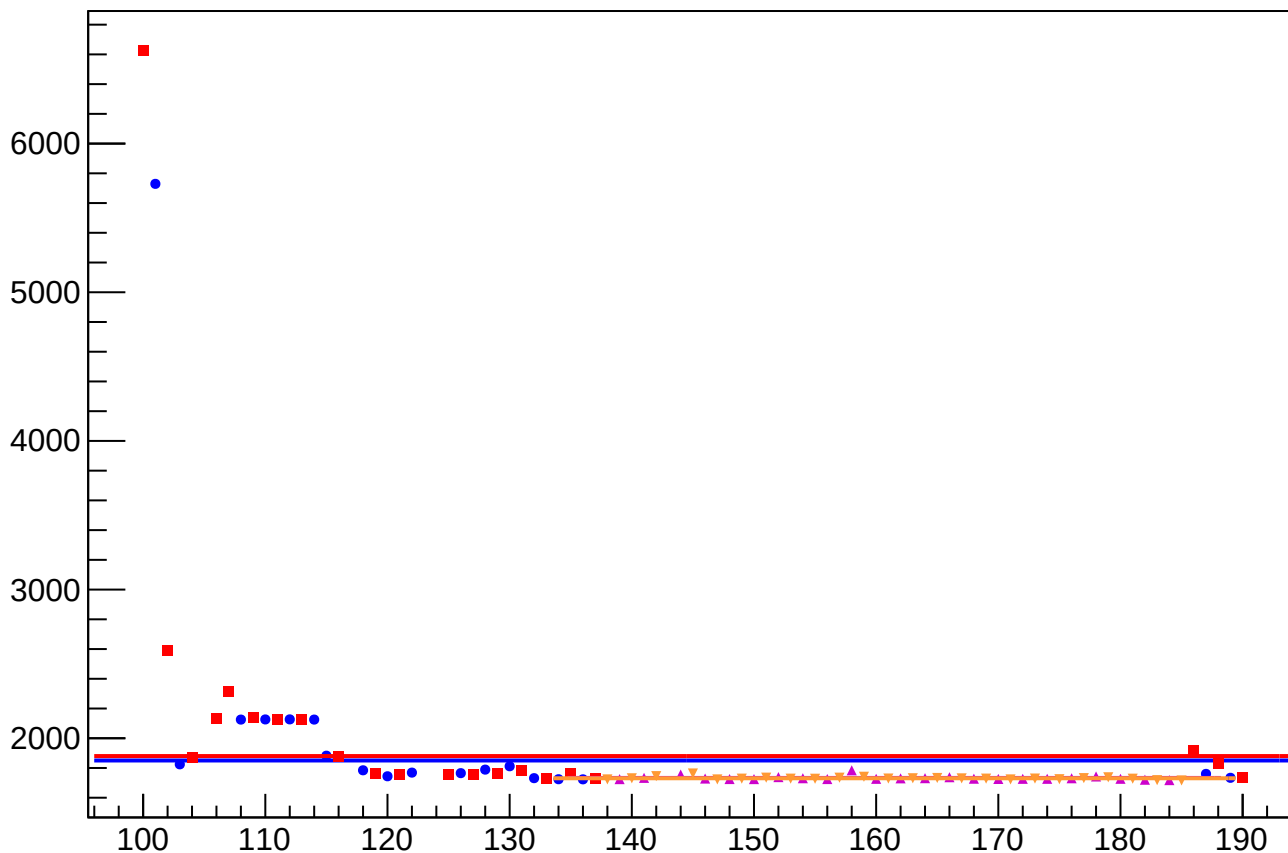
Left In: -126.031 ± 404.630 χ^2/NDF : 29.5/22

+ sign 352.750 ± 344.560 χ^2/NDF : 37.9/41

All: 84.677 ± 242.433 χ^2/NDF : 85.8/85

- sign -178.145 ± 341.169 χ^2/NDF : 46.7/43

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1850.466+/-0.474 χ^2/NDF : 681138.4/17

Left Out: 1730.847+/-0.284 χ^2/NDF : 969.7/23

Right Out: 1880.143+/-0.449 χ^2/NDF : 258240.9/20

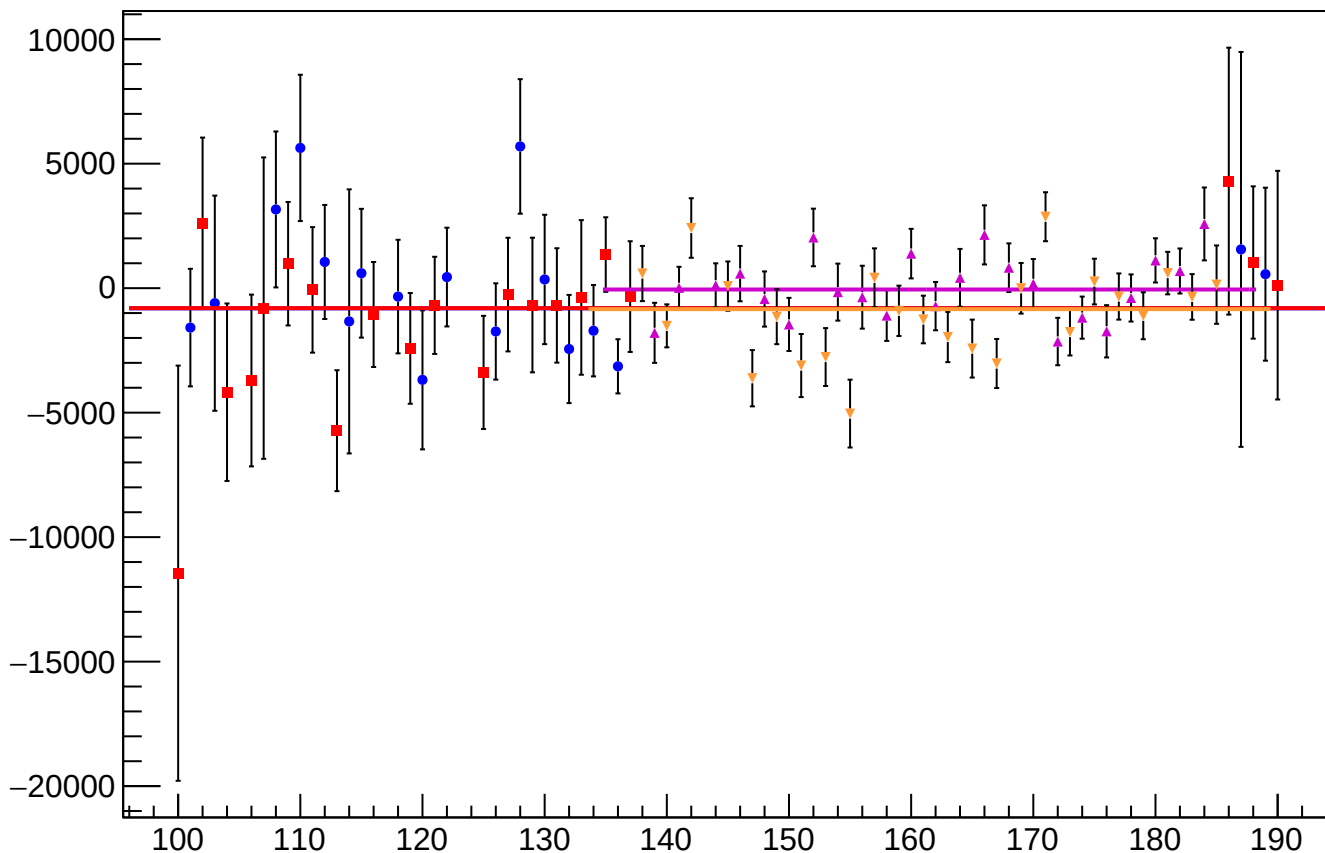
Left In: 1733.007+/-0.286 χ^2/NDF : 2237.4/22

+ sign 1762.459+/-0.244 χ^2/NDF : 728975.9/41

All: 1769.065+/-0.171 χ^2/NDF : 1067357.8/85

- sign 1775.541+/-0.241 χ^2/NDF : 336926.2/43

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug



Right In: -811.532 $\pm$ 541.766 χ^2 /NDF: 20.9/17

Left Out: -842.437 $\pm$ 210.852 χ^2 /NDF:62.7/23

Right Out: -802.453 $\pm$ 566.002 χ^2 /NDF: 14.3/20

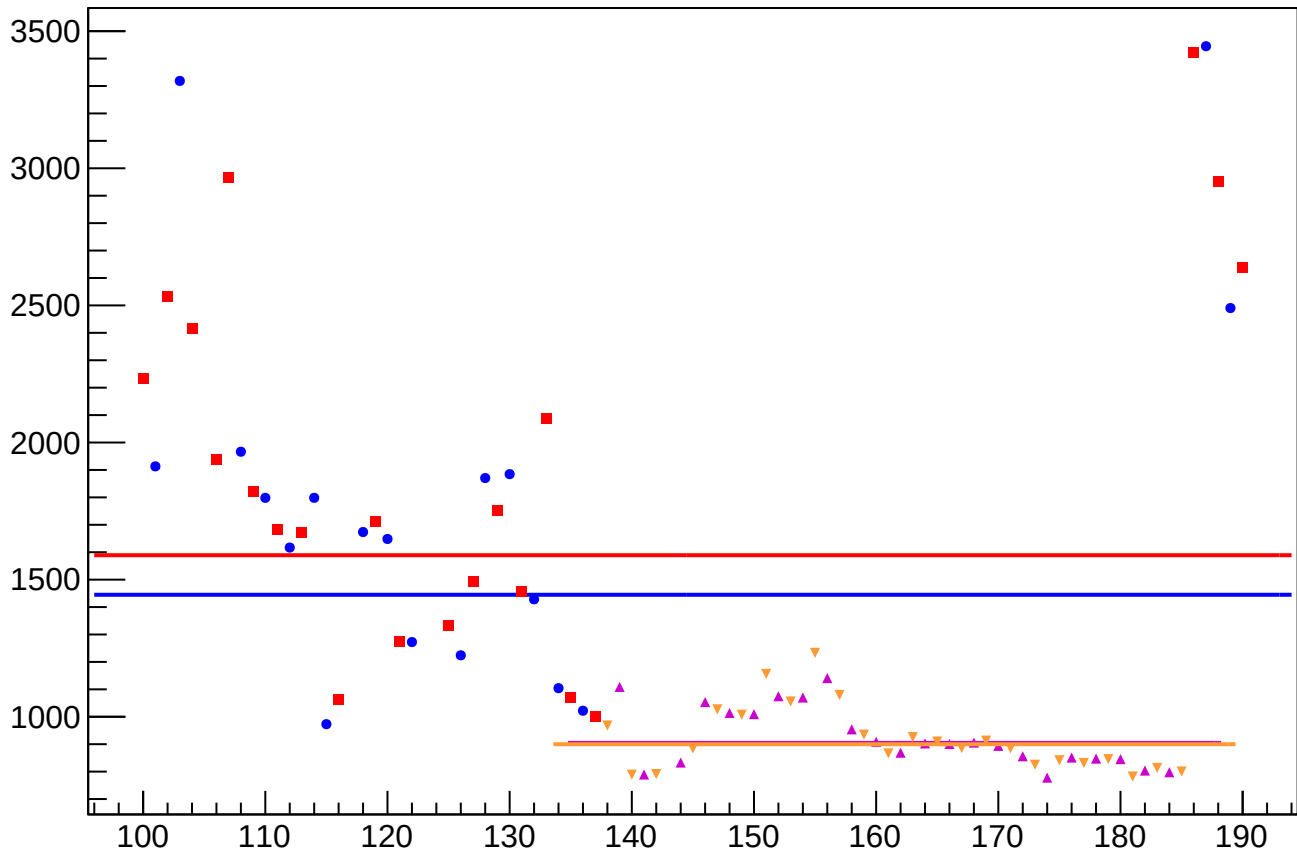
Left In: -53.905 $\pm$ 212.966 χ^2 /NDF:30.6/22

+ sign -838.371 $\pm$ 196.495 χ^2 /NDF: 83.6/41

All: -497.496 $\pm$ 139.932 χ^2 /NDF: 136.1/85

- sign -146.737 $\pm$ 199.323 χ^2 /NDF: 46.4/43

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1444.888+/-0.383 χ^2/NDF : 1484502.1/17

Left Out: 899.811+/-0.149 χ^2/NDF : 495328.4/23

Right Out: 1589.128+/-0.400 χ^2/NDF : 1810695.8/20

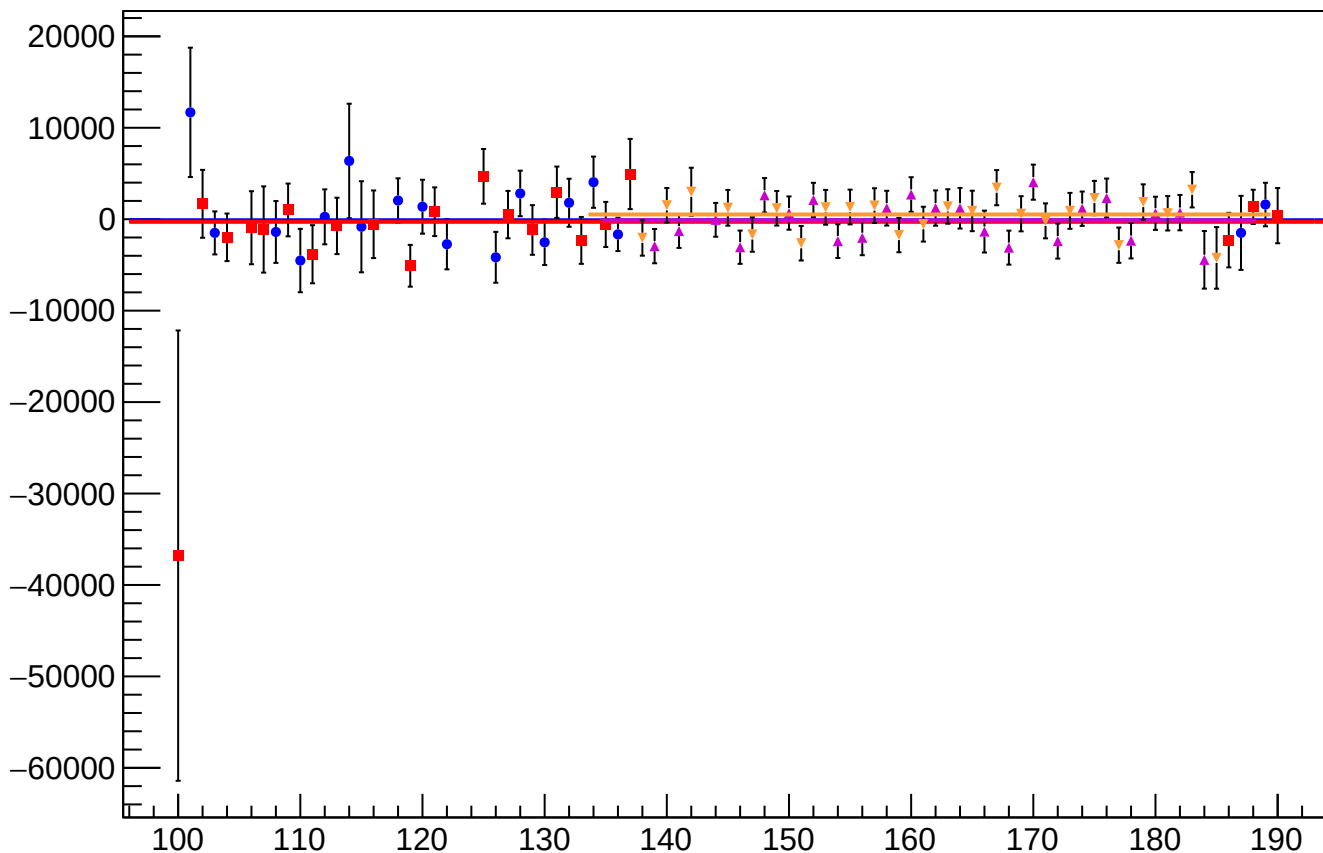
Left In: 904.656+/-0.151 χ^2/NDF : 452251.7/22

+ sign 971.514+/-0.139 χ^2/NDF : 3738032.4/41

All: 980.399+/-0.099 χ^2/NDF : 8571409.3/85

- sign 989.542+/-0.141 χ^2/NDF : 4825079.8/43

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -113.340 ± 670.250 χ^2/NDF : 16.5/17

Left Out: 519.957 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -282.330 ± 635.696 χ^2/NDF : 17.1/20

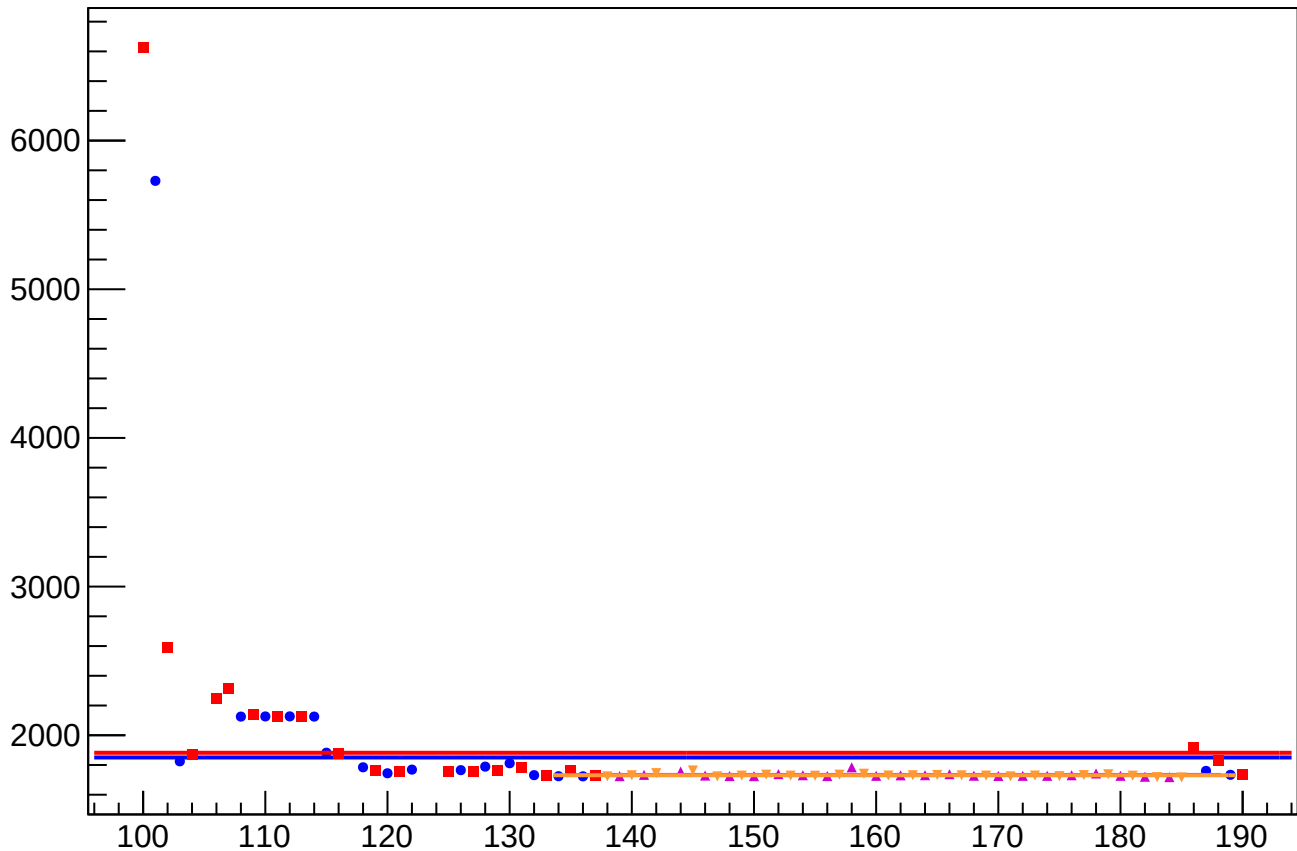
Left In: -126.091 ± 404.630 χ^2/NDF : 29.5/22

+ sign 352.592 ± 344.560 χ^2/NDF : 37.9/41

All: 88.273 ± 242.497 χ^2/NDF : 85.7/85

- sign -171.140 ± 341.347 χ^2/NDF : 46.6/43

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1850.466 $\pm$ 0.474 χ^2/NDF : 681138.3/17

Left Out: 1730.847 $\pm$ 0.284 χ^2/NDF : 969.7/23

Right Out: 1882.183 $\pm$ 0.450 χ^2/NDF : 266166.1/20

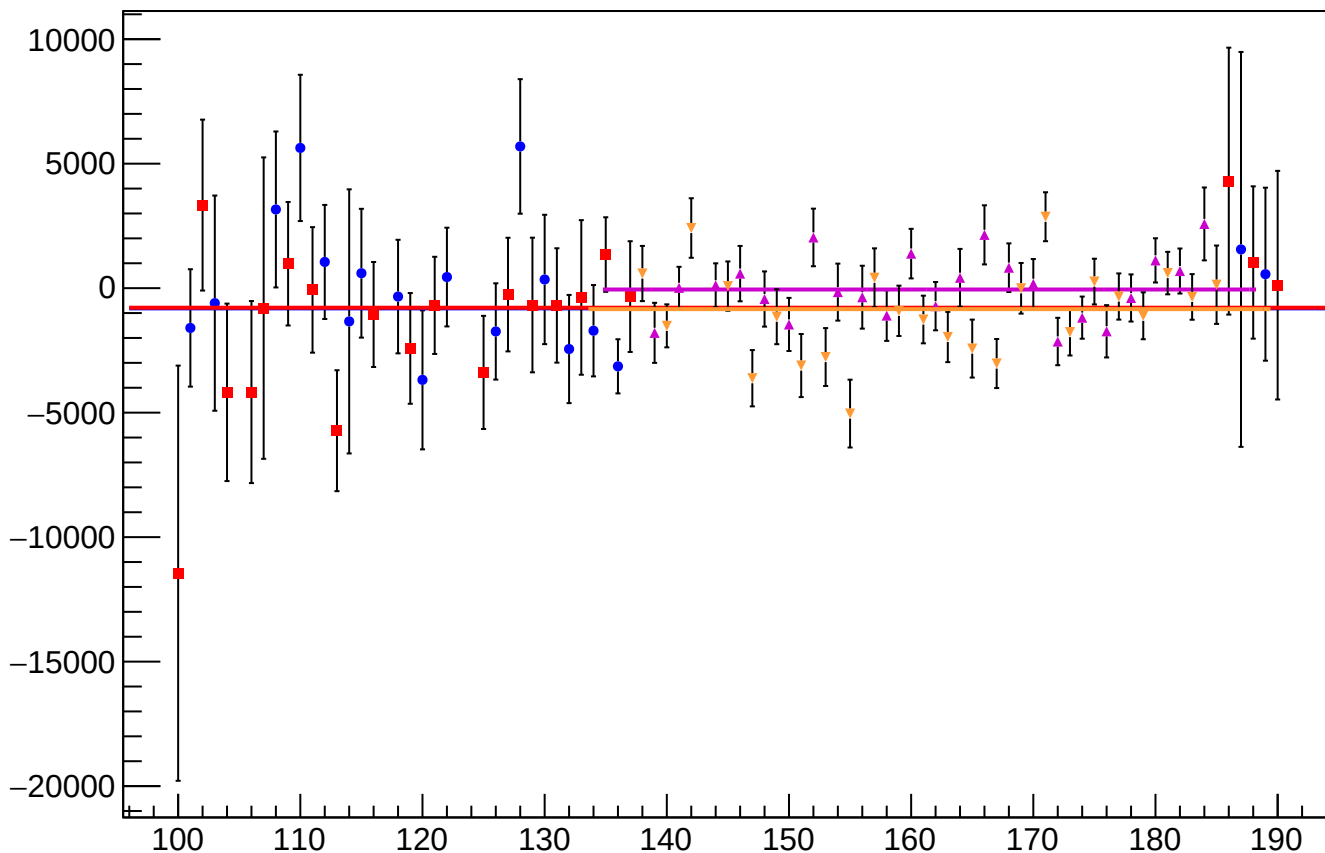
Left In: 1733.007 $\pm$ 0.286 χ^2/NDF : 2237.4/22

+ sign 1762.459 $\pm$ 0.244 χ^2/NDF : 728975.8/41

All: 1769.303 $\pm$ 0.171 χ^2/NDF : 1077323.2/85

- sign 1776.020 $\pm$ 0.241 χ^2/NDF : 346784.1/43

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug



Right In: -812.331+/-541.725 χ^2/NDF : 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF : 62.7/23

Right Out: -785.566+/-566.839 χ^2/NDF : 14.9/20

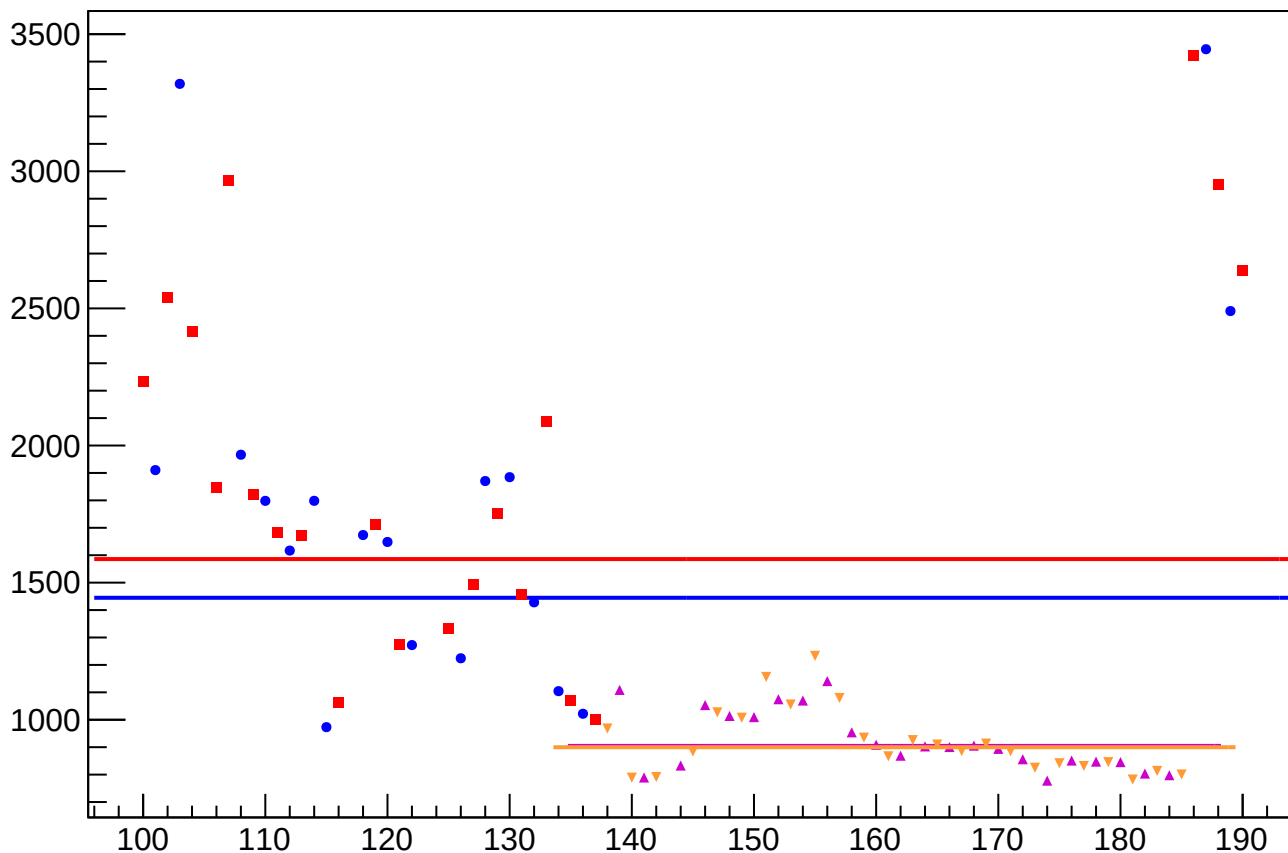
Left In: -53.927+/-212.965 χ^2/NDF : 30.6/22

+ sign -838.507+/-196.493 χ^2/NDF : 83.6/41

All: -496.492+/-139.944 χ^2/NDF : 136.7/85

- sign -144.428+/-199.359 χ^2/NDF : 47.0/43

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1444.808 $\pm$ 0.383 χ^2 /NDF: 1483899.2/17

Left Out: 899.814 $\pm$ 0.149 χ^2 /NDF: 495276.2/23

Right Out: 1585.959 $\pm$ 0.401 χ^2 /NDF: 1801691.1/20

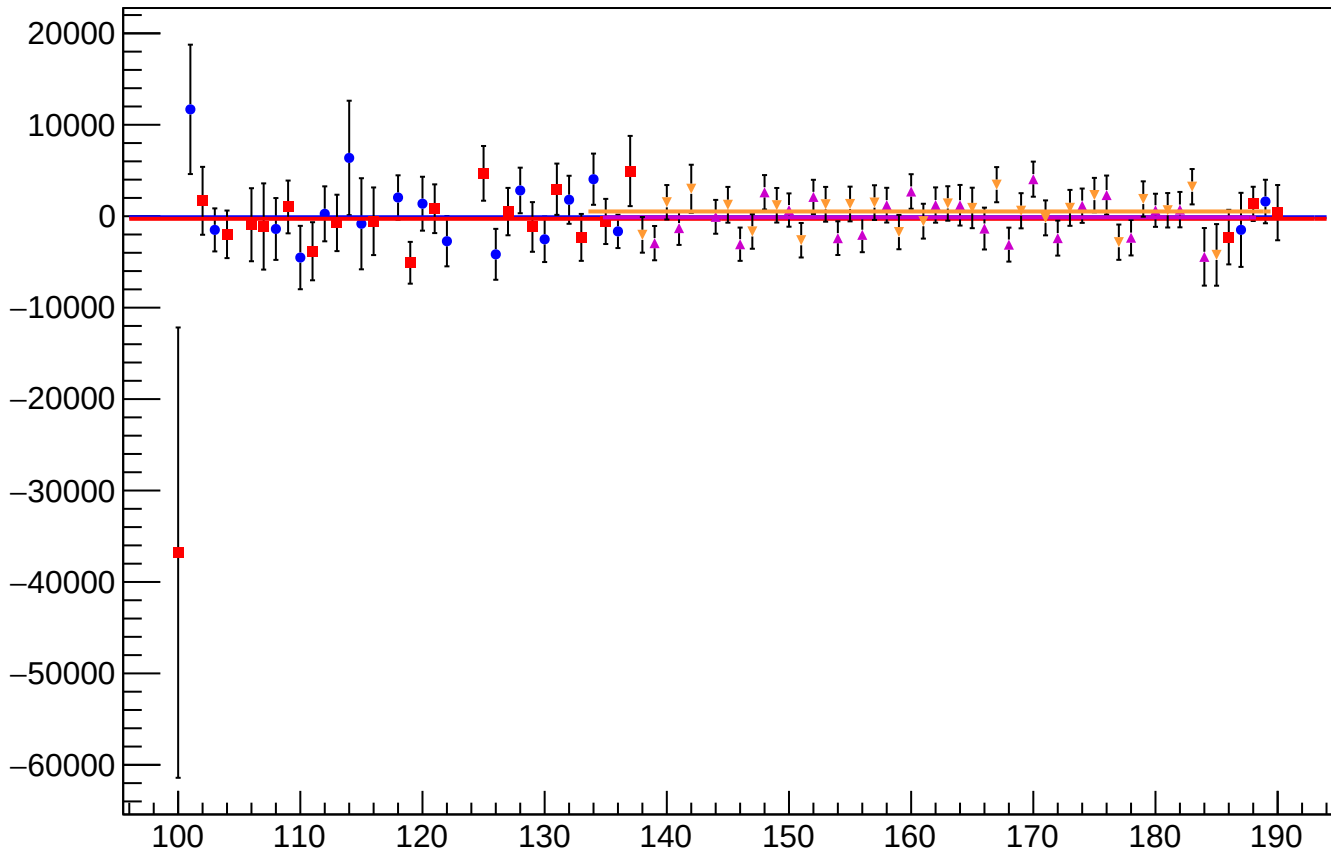
Left In: 904.653 $\pm$ 0.151 χ^2 /NDF: 452259.2/22

+ sign 971.516 $\pm$ 0.139 χ^2 /NDF: 3737068.8/41

All: 980.096 $\pm$ 0.099 χ^2 /NDF: 8530684.5/85

- sign 988.927 $\pm$ 0.141 χ^2 /NDF: 4785877.6/43

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -113.340 ± 670.250 χ^2/NDF : 16.5/17

Left Out: 519.957 ± 401.705 χ^2/NDF : 20.8/23

Right Out: -282.330 ± 635.696 χ^2/NDF : 17.1/20

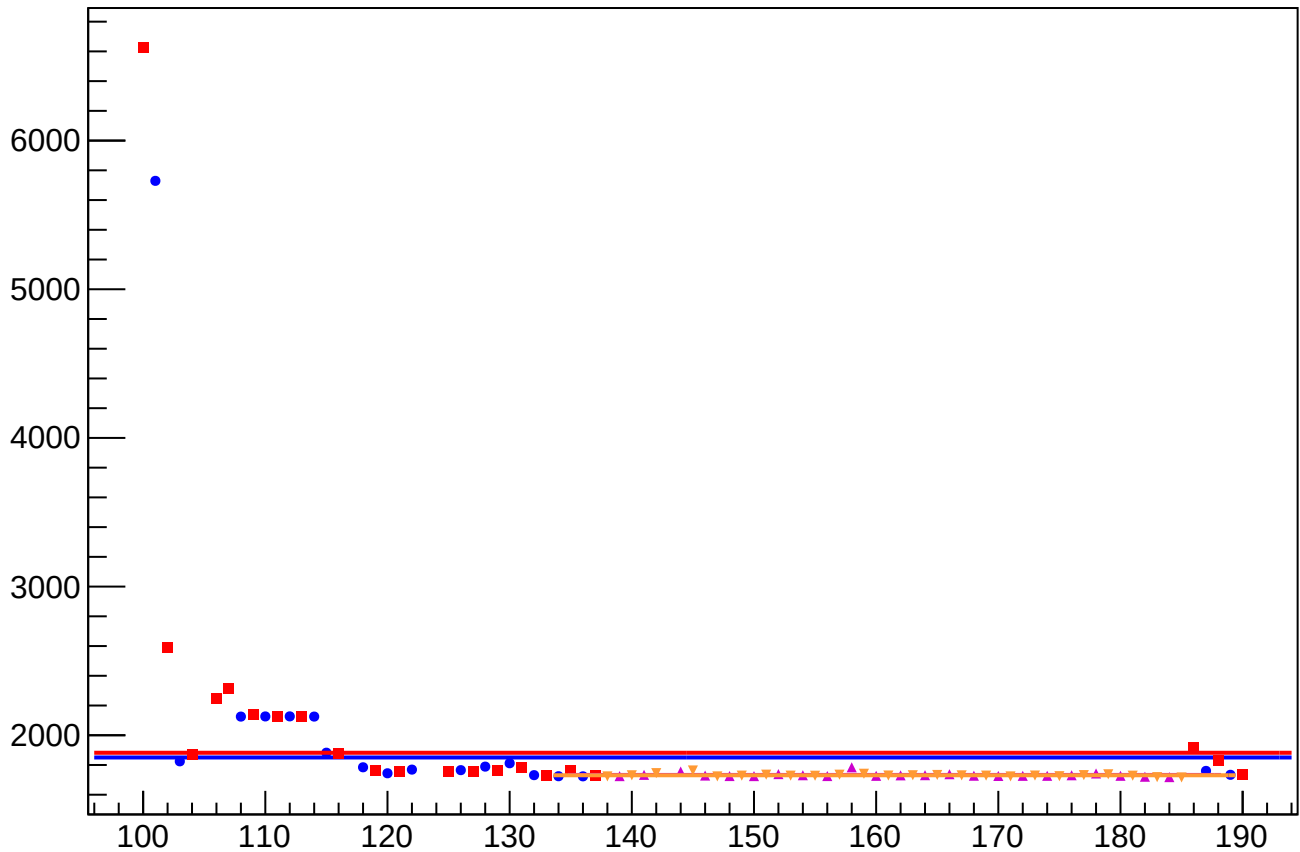
Left In: -126.091 ± 404.630 χ^2/NDF : 29.5/22

+ sign 352.592 ± 344.560 χ^2/NDF : 37.9/41

All: 88.273 ± 242.497 χ^2/NDF : 85.7/85

- sign -171.140 ± 341.347 χ^2/NDF : 46.6/43

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1850.466 $\pm$ 0.474 χ^2 /NDF: 681138.3/17

Left Out: 1730.847 $\pm$ 0.284 χ^2 /NDF: 969.7/23

Right Out: 1882.183 $\pm$ 0.450 χ^2 /NDF: 266166.1/20

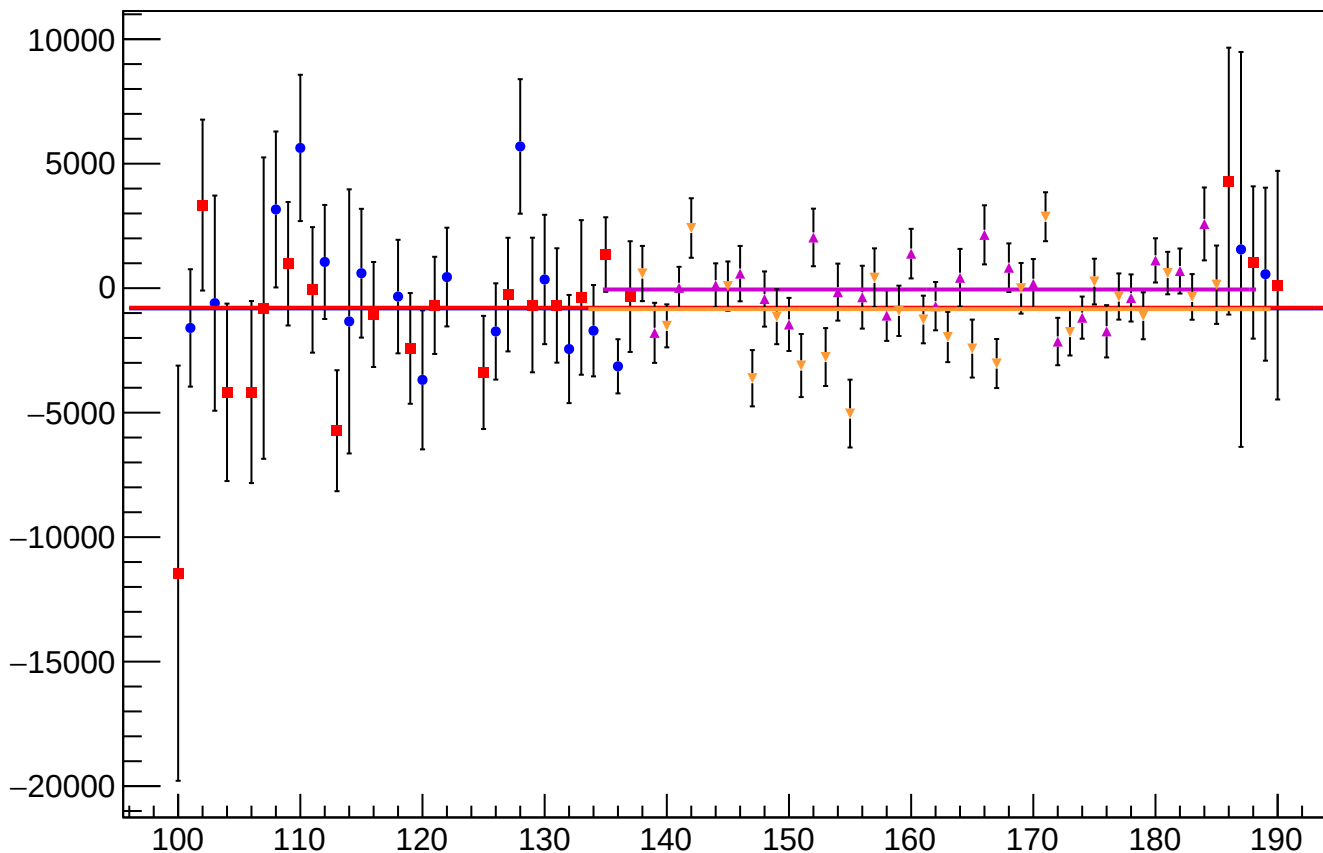
Left In: 1733.007 $\pm$ 0.286 χ^2 /NDF: 2237.4/22

+ sign 1762.459 $\pm$ 0.244 χ^2 /NDF: 728975.8/41

All: 1769.303 $\pm$ 0.171 χ^2 /NDF: 1077323.2/85

- sign 1776.020 $\pm$ 0.241 χ^2 /NDF: 346784.1/43

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: -812.331+/-541.725 χ^2/NDF : 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF : 62.7/23

Right Out: -785.566+/-566.839 χ^2/NDF : 14.9/20

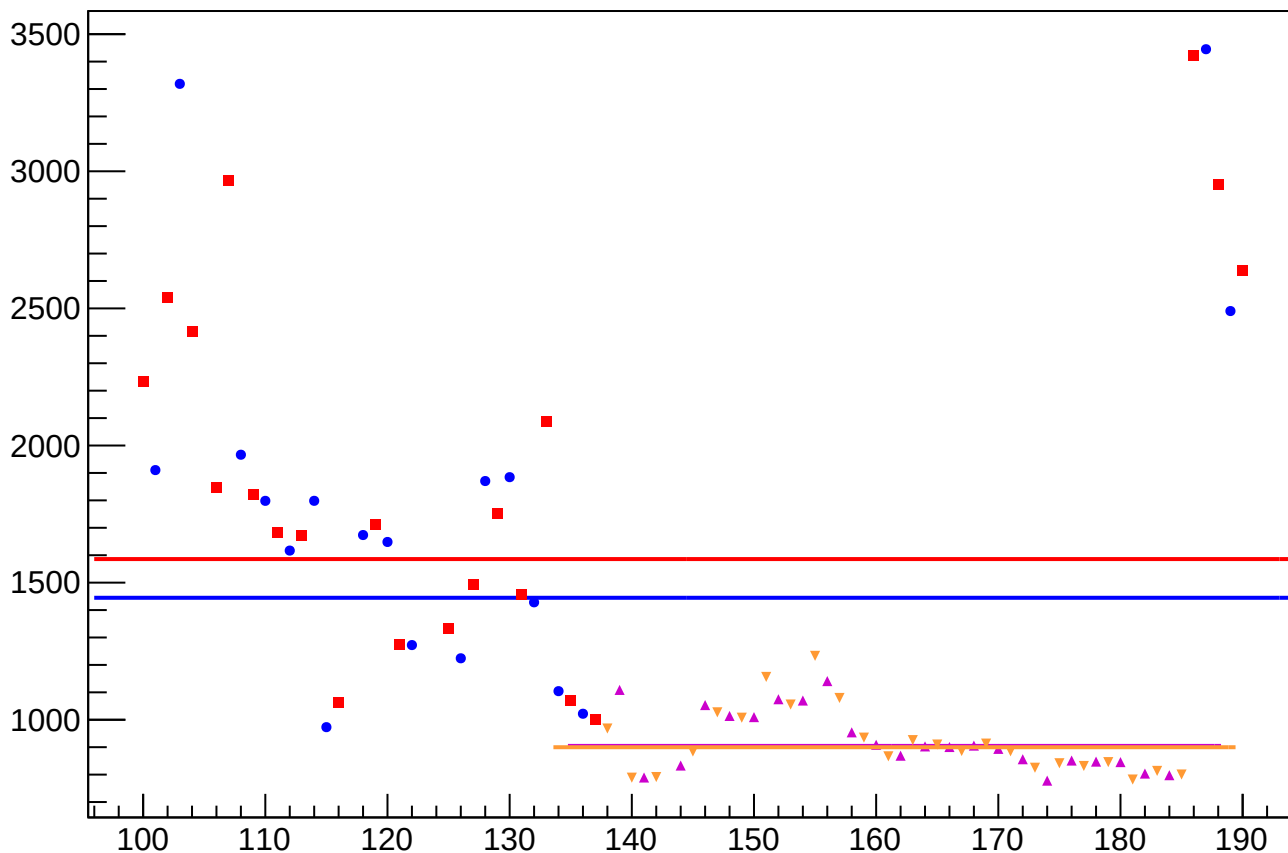
Left In: -53.927+/-212.965 χ^2/NDF : 30.6/22

+ sign -838.507+/-196.493 χ^2/NDF : 83.6/41

All: -496.492+/-139.944 χ^2/NDF : 136.7/85

- sign -144.428+/-199.359 χ^2/NDF : 47.0/43

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 1444.808+/-0.383 χ^2/NDF : 1483899.2/17

Left Out: 899.814+/-0.149 χ^2/NDF : 495276.2/23

Right Out: 1585.959+/-0.401 χ^2/NDF : 1801691.1/20

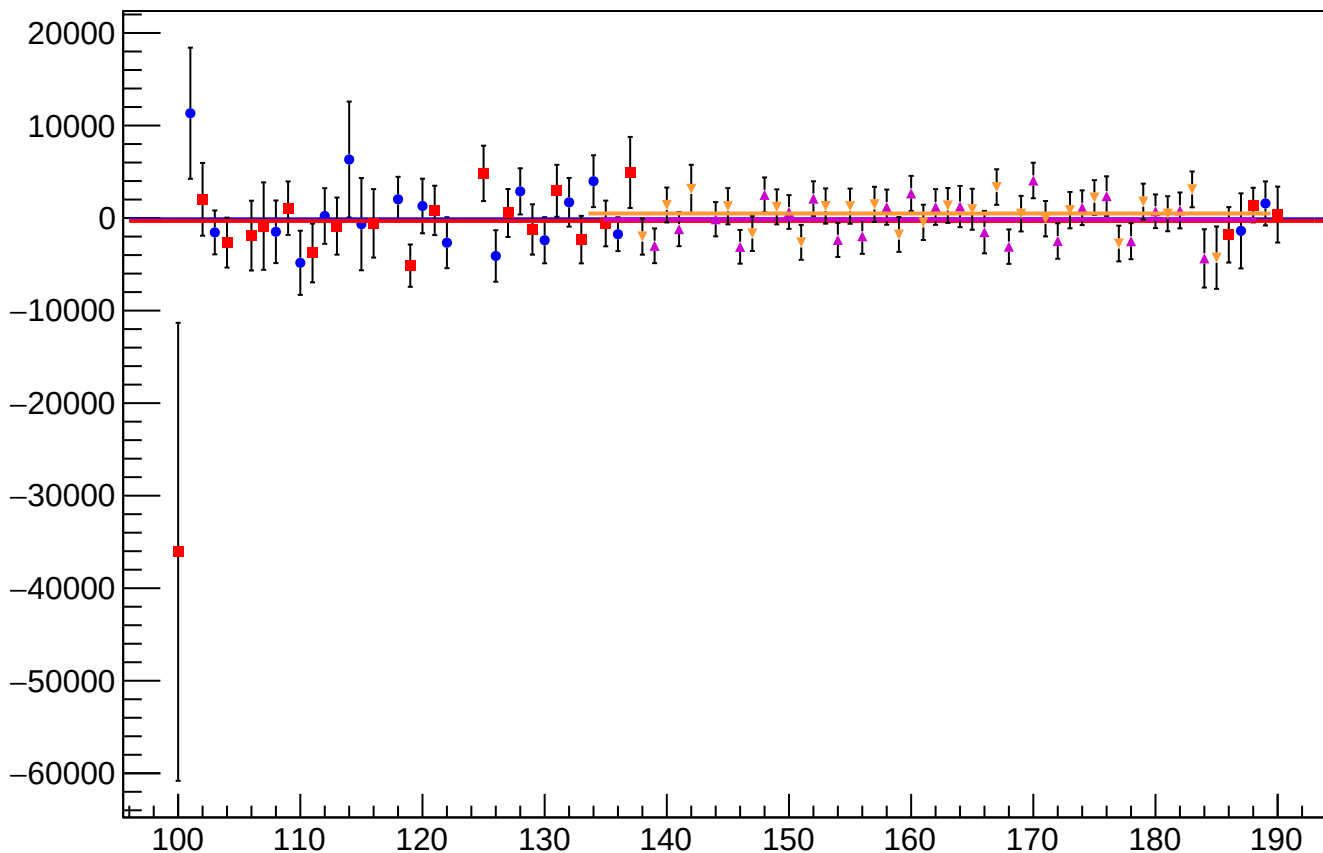
Left In: 904.653+/-0.151 χ^2/NDF : 452259.2/22

+ sign 971.516+/-0.139 χ^2/NDF : 3737068.8/41

All: 980.096+/-0.099 χ^2/NDF : 8530684.5/85

- sign 988.927+/-0.141 χ^2/NDF : 4785877.6/43

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -137.534 $\pm$ 671.004 χ^2 /NDF: 16.3/17

Left Out: 494.897 $\pm$ 402.069 χ^2 /NDF: 20.1/23

Right Out: -307.587 $\pm$ 637.520 χ^2 /NDF: 17.6/20

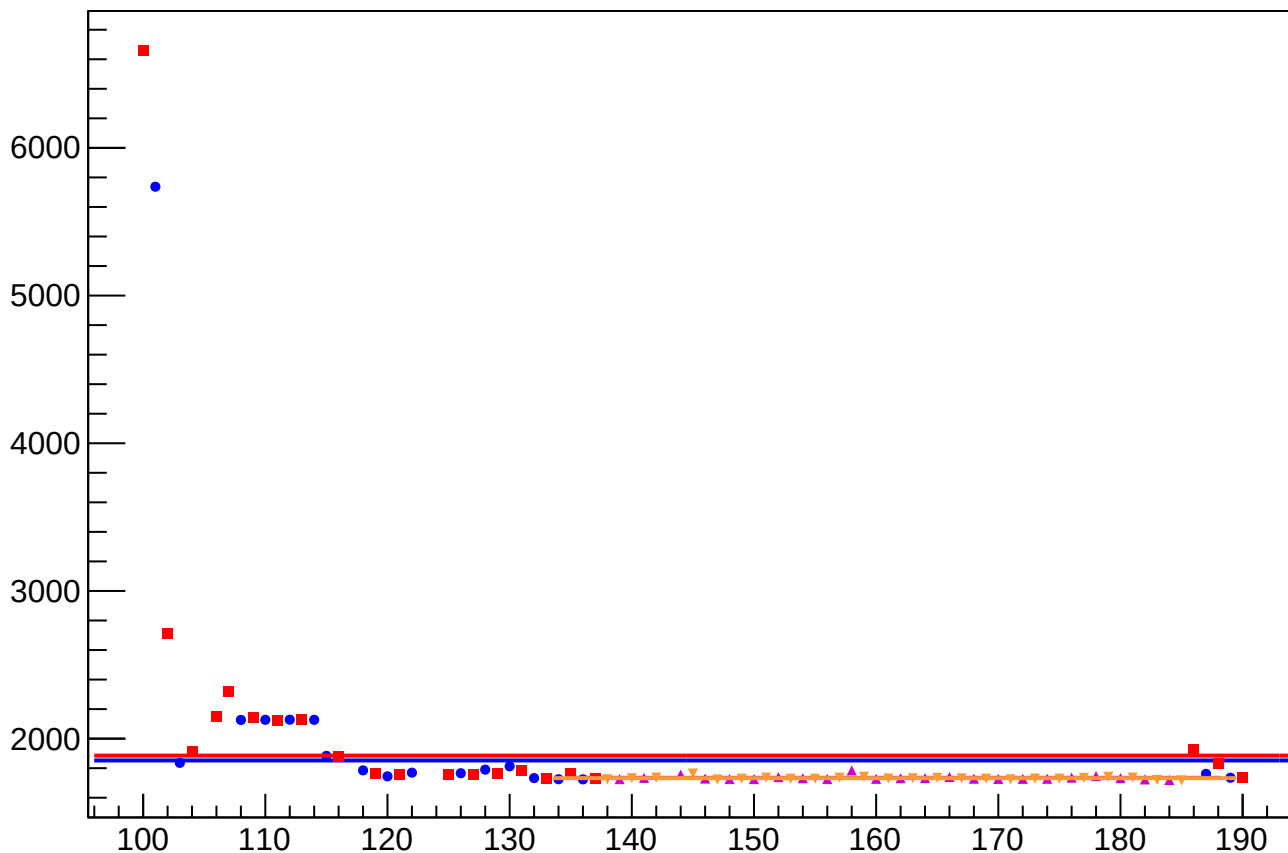
Left In: -137.162 $\pm$ 404.995 χ^2 /NDF: 29.6/22

+ sign 327.815 $\pm$ 344.892 χ^2 /NDF: 37.0/41

All: 68.547 $\pm$ 242.792 χ^2 /NDF: 85.4/85

- sign -186.164 $\pm$ 341.848 χ^2 /NDF: 47.2/43

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1852.274+/-0.474 χ^2/NDF : 681494.7/17

Left Out: 1732.389+/-0.284 χ^2/NDF : 910.8/23

Right Out: 1885.076+/-0.451 χ^2/NDF : 276415.7/20

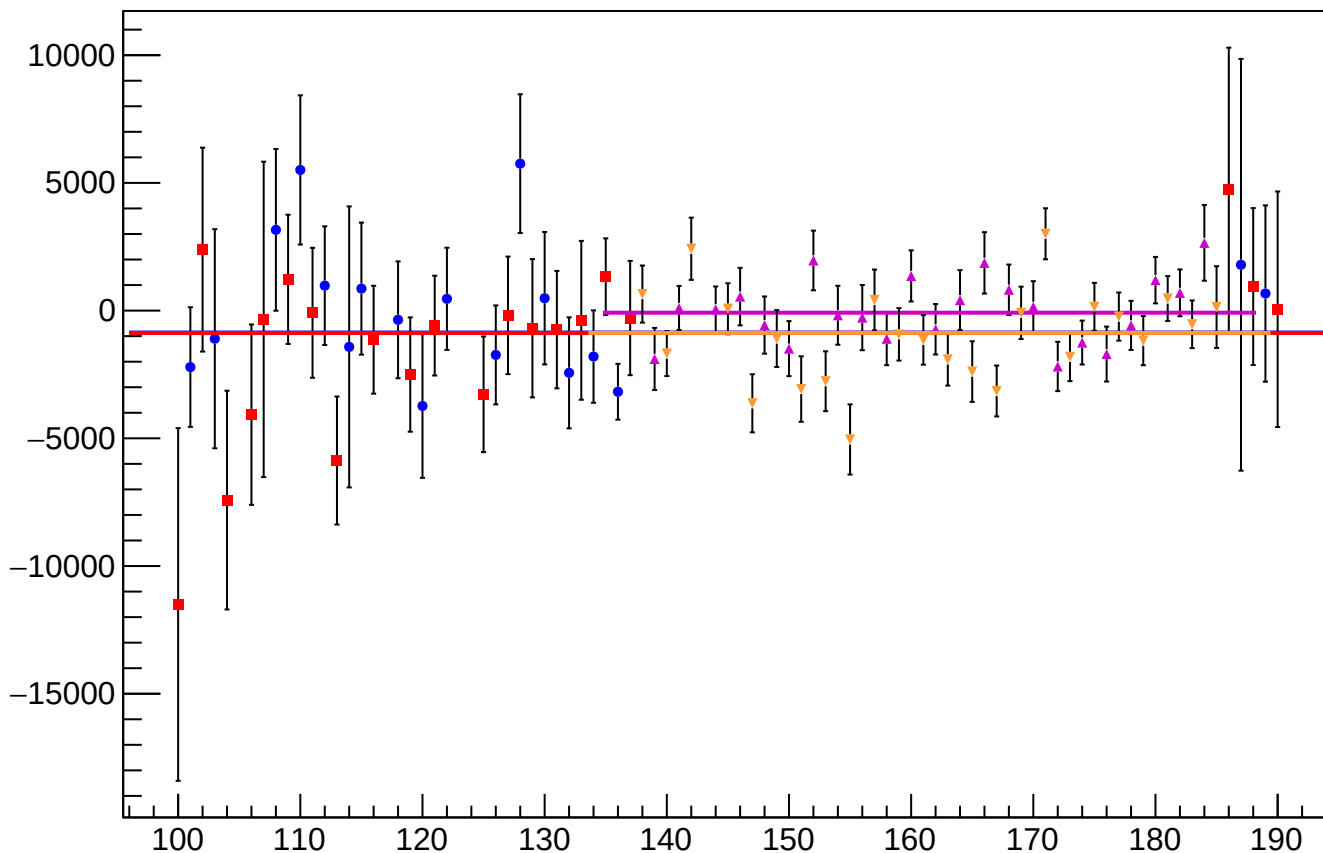
Left In: 1734.568+/-0.286 χ^2/NDF : 2215.7/22

+ sign 1764.061+/-0.244 χ^2/NDF : 729381.6/41

All: 1771.013+/-0.172 χ^2/NDF : 1089044.3/85

- sign 1777.843+/-0.242 χ^2/NDF : 358051.7/43

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug



Right In: -859.637 $\pm$ 542.718 χ^2 /NDF: 21.3/17

Left Out: -872.827 $\pm$ 214.008 χ^2 /NDF:62.0/23

Right Out: -874.279 $\pm$ 573.302 χ^2 /NDF: 16.4/20

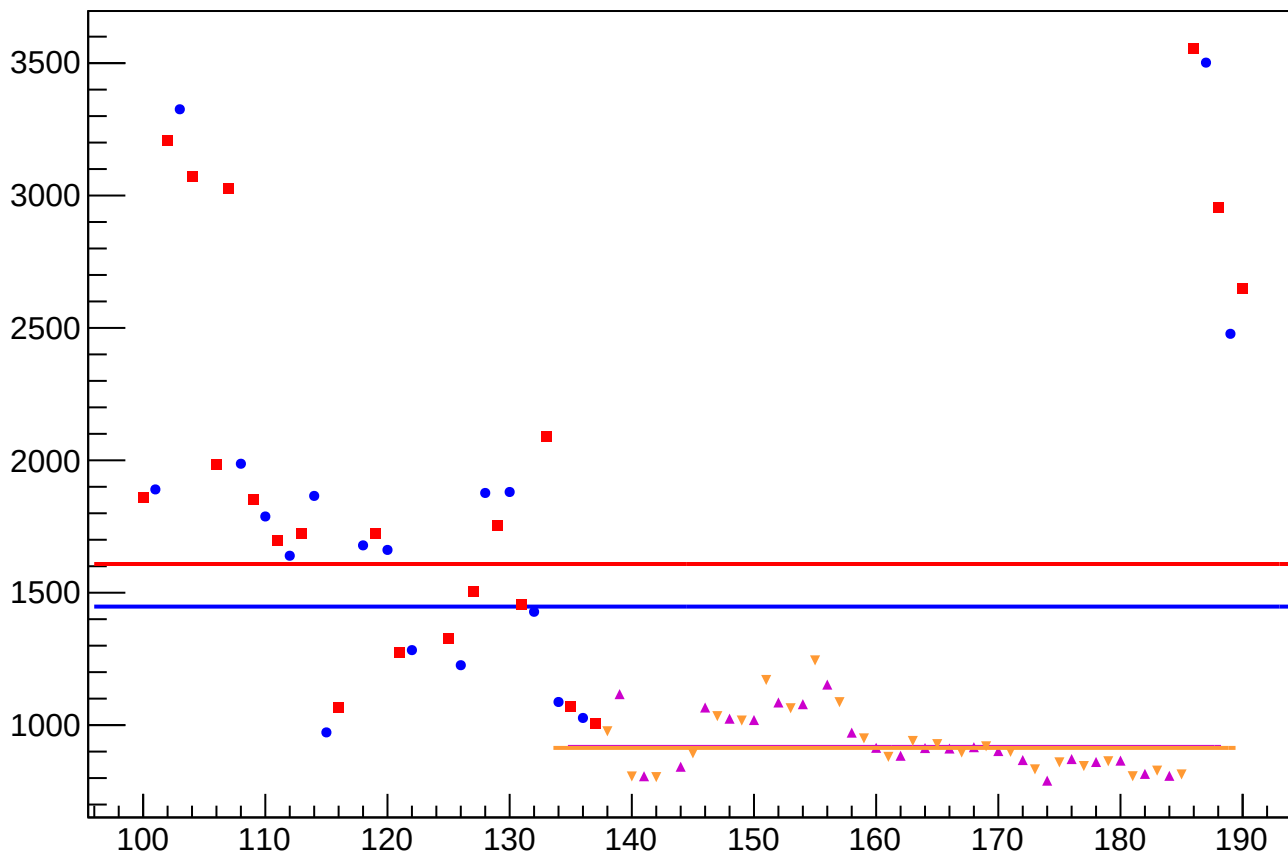
Left In: -81.519 $\pm$ 215.913 χ^2 /NDF:30.0/22

+ sign -871.052 $\pm$ 199.088 χ^2 /NDF: 83.3/41

All: -530.640 $\pm$ 141.815 χ^2 /NDF: 137.3/85

- sign -179.995 $\pm$ 202.059 χ^2 /NDF: 48.0/43

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1447.578+/-0.384 χ^2/NDF : 1494259.1/17

Left Out: 913.899+/-0.151 χ^2/NDF : 462850.2/23

+ sign 985.715+/-0.141 χ^2/NDF : 3630797.9/41

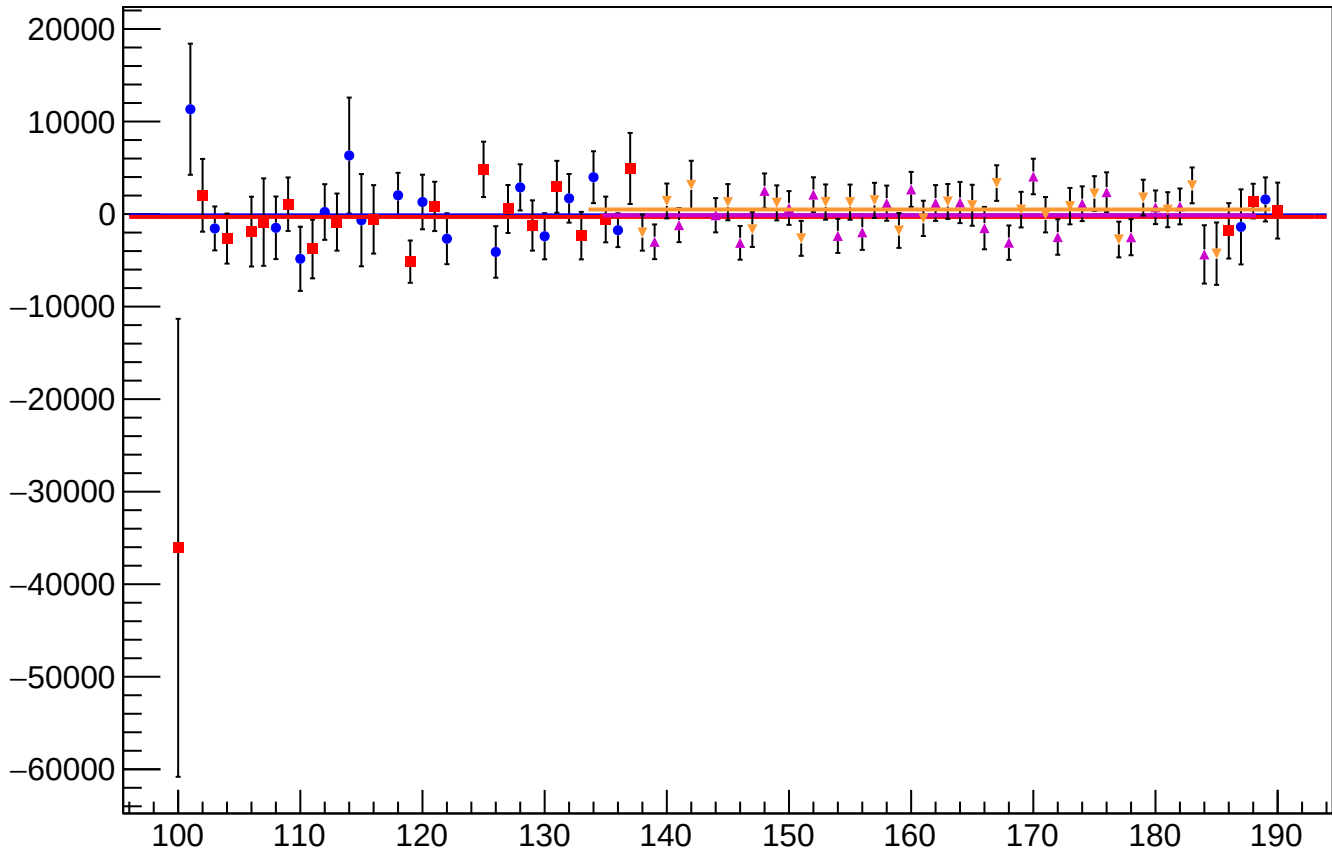
Right Out: 1608.432+/-0.405 χ^2/NDF : 2137142.5/20

All: 994.466+/-0.100 χ^2/NDF : 8749073.5/85

- sign 1003.479+/-0.143 χ^2/NDF : 5110431.7/43

Left In: 917.674+/-0.153 χ^2/NDF : 430498.5/22

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -137.533 ± 671.004 χ^2/NDF : 16.3/17

Left Out: 494.897 ± 402.069 χ^2/NDF : 20.1/23

Right Out: -307.587 ± 637.520 χ^2/NDF : 17.6/20

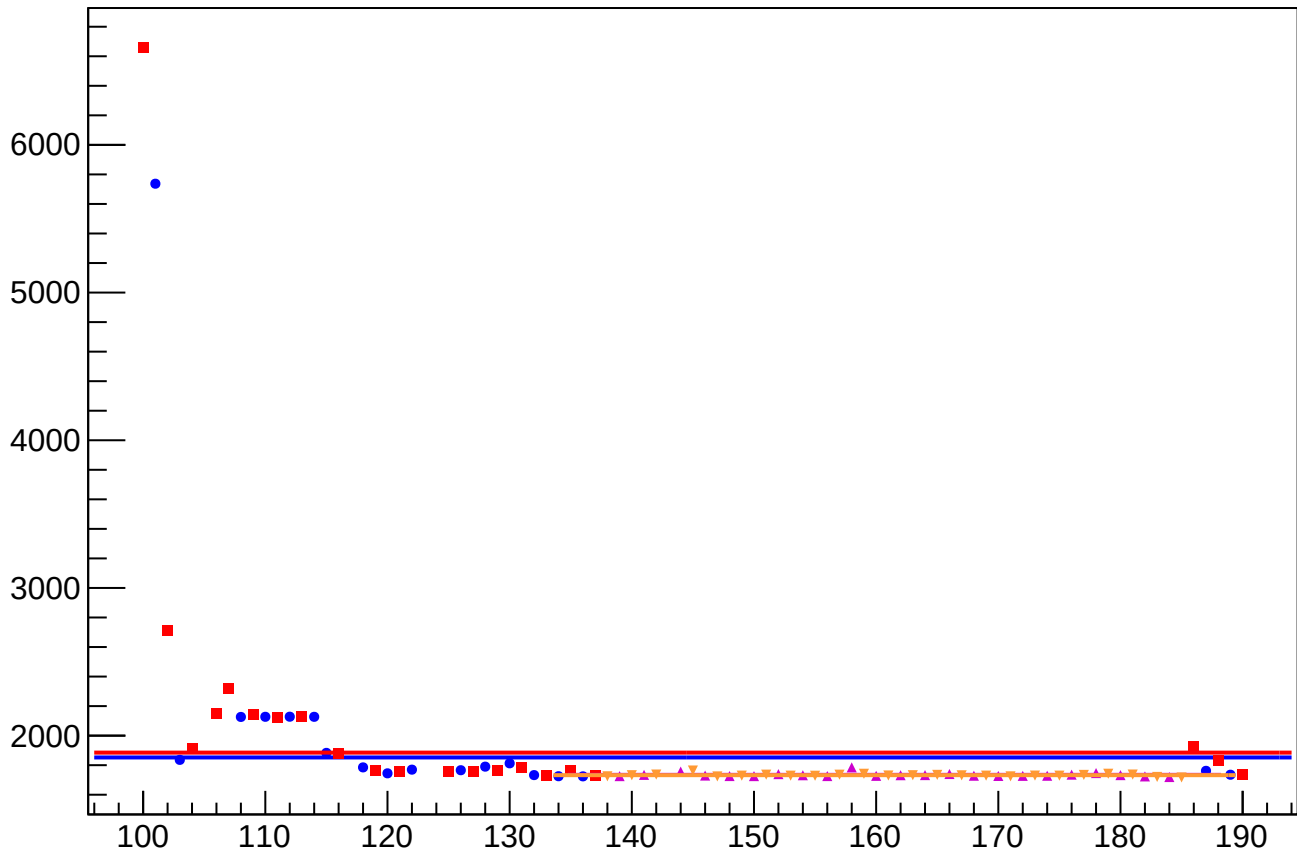
Left In: -137.163 ± 404.995 χ^2/NDF : 29.6/22

+ sign 327.815 ± 344.892 χ^2/NDF : 37.0/41

All: 68.547 ± 242.792 χ^2/NDF : 85.4/85

- sign -186.164 ± 341.848 χ^2/NDF : 47.2/43

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1852.274 ± 0.474 χ^2/NDF : 681494.7/17

Left Out: 1732.389 ± 0.284 χ^2/NDF : 910.8/23

Right Out: 1885.076 ± 0.451 χ^2/NDF : 276415.5/20

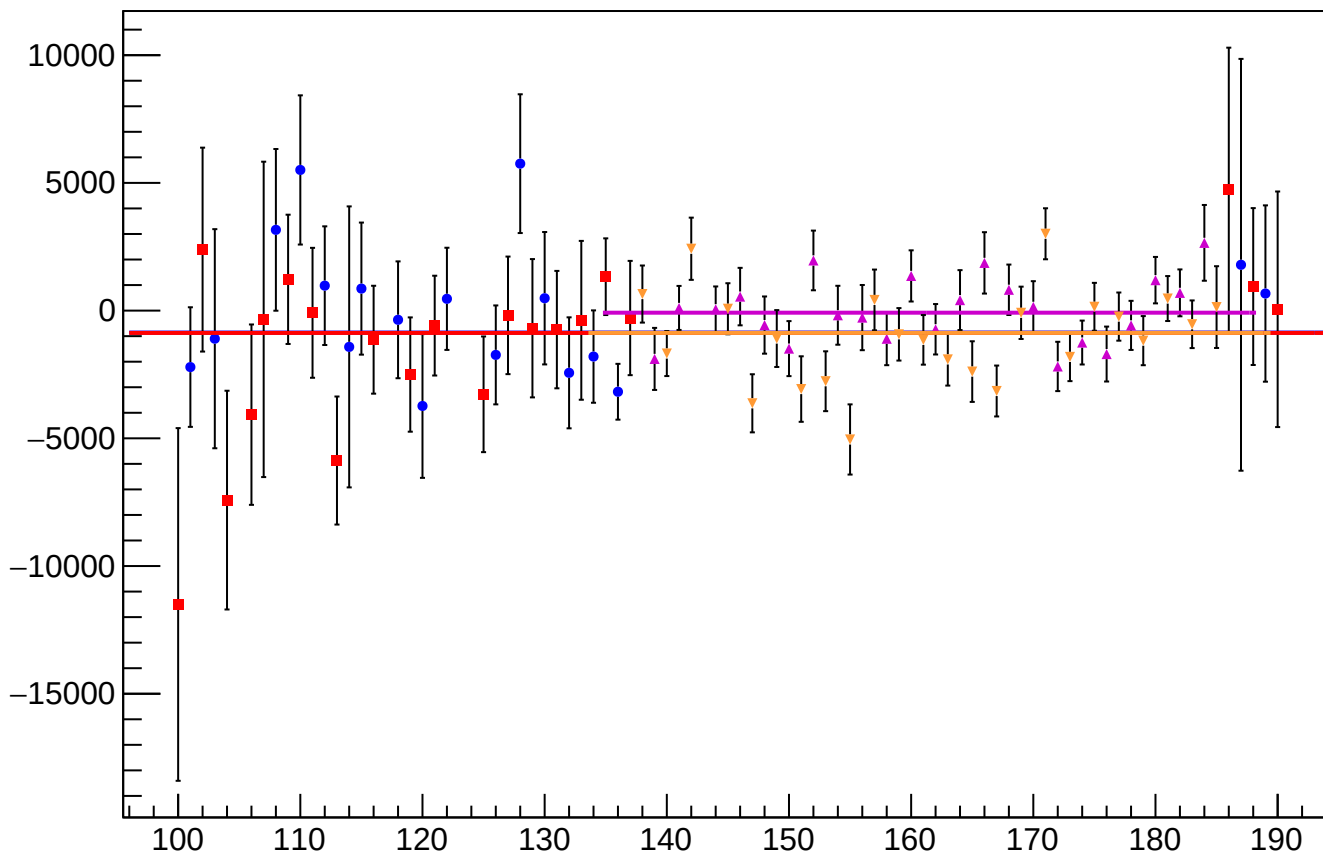
Left In: 1734.568 ± 0.286 χ^2/NDF : 2215.7/22

+ sign 1764.061 ± 0.244 χ^2/NDF : 729381.6/41

All: 1771.013 ± 0.172 χ^2/NDF : 1089044.0/85

- sign 1777.843 ± 0.242 χ^2/NDF : 358051.4/43

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: -859.633 ± 542.717 χ^2/NDF : 21.3/17

Left Out: -872.826 ± 214.008 χ^2/NDF : 62.0/23

Right Out: -874.277 ± 573.301 χ^2/NDF : 16.4/20

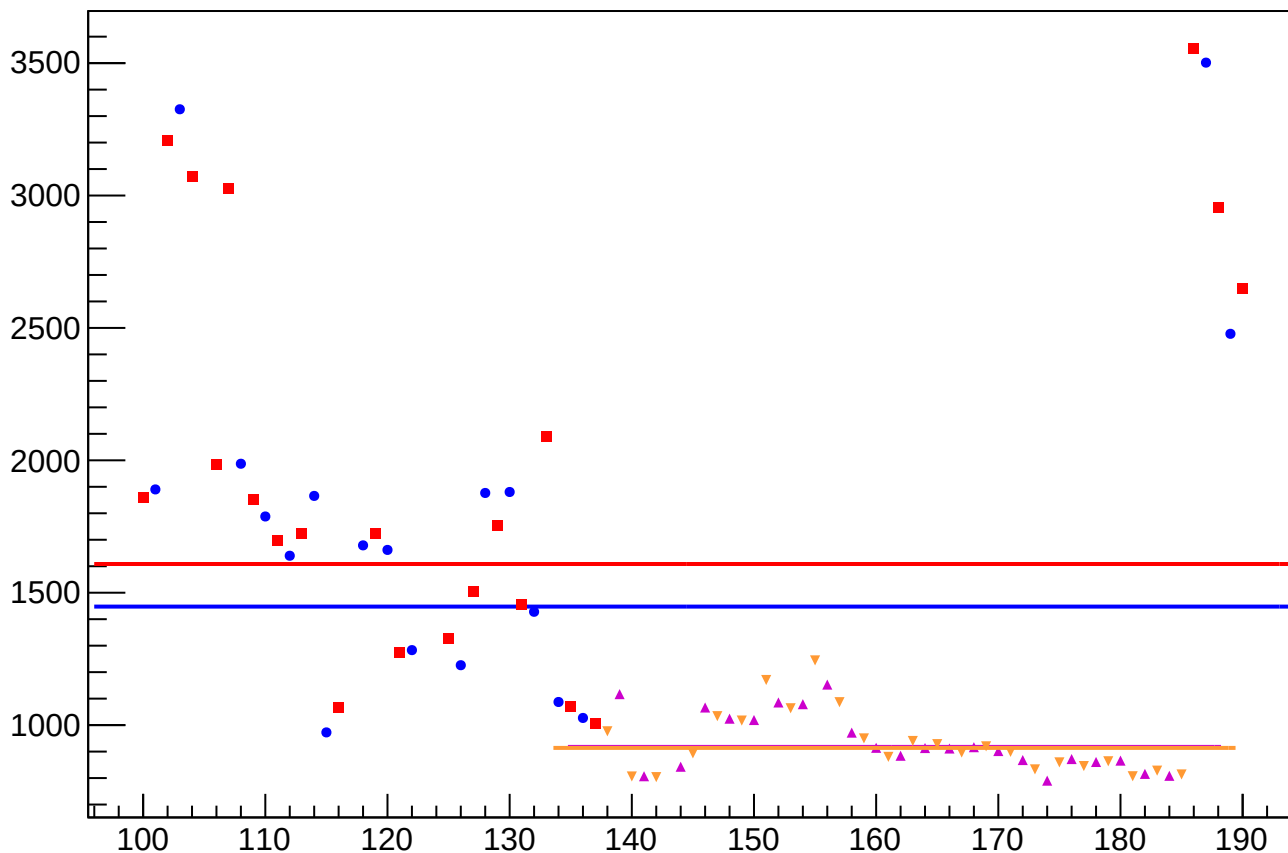
Left In: -81.518 ± 215.913 χ^2/NDF : 30.0/22

+ sign -871.051 ± 199.088 χ^2/NDF : 83.3/41

All: -530.639 ± 141.815 χ^2/NDF : 137.3/85

- sign -179.994 ± 202.058 χ^2/NDF : 48.0/43

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1447.575 $\pm$ 0.384 χ^2/NDF : 1494260.6/17

Left Out: 913.898 $\pm$ 0.151 χ^2/NDF : 462858.6/23

Right Out: 1608.429 $\pm$ 0.405 χ^2/NDF : 2137148.4/20

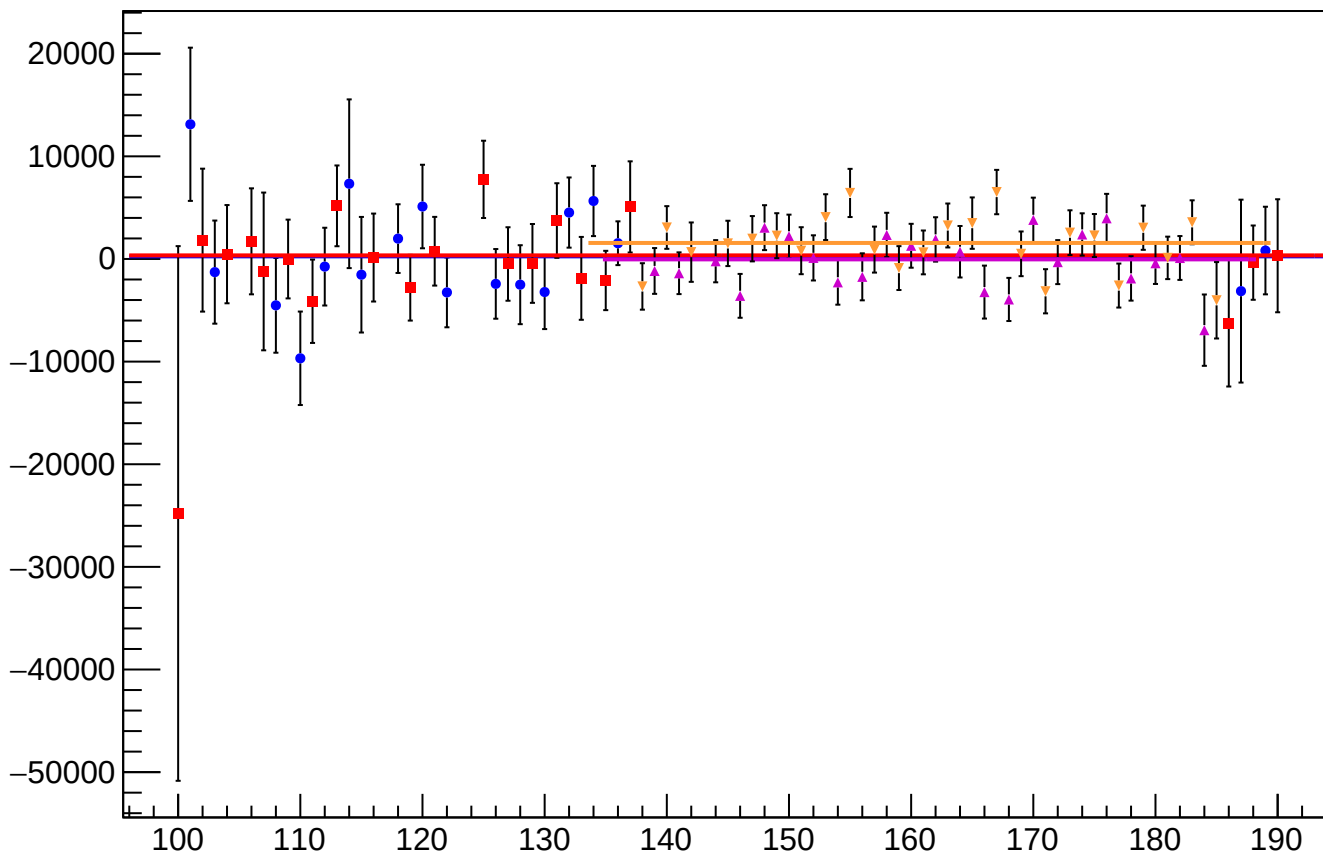
Left In: 917.674 $\pm$ 0.153 χ^2/NDF : 430509.1/22

+ sign 985.714 $\pm$ 0.141 χ^2/NDF : 3630795.5/41

All: 994.465 $\pm$ 0.100 χ^2/NDF : 8749077.7/85

- sign 1003.479 $\pm$ 0.143 χ^2/NDF : 5110438.5/43

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 254.157 $\pm$ 914.982 χ^2 /NDF: 19.2/17

Left Out: 1561.357 $\pm$ 456.883 χ^2 /NDF:31.2/23

Right Out: 348.833 $\pm$ 907.563 χ^2 /NDF: 13.0/20

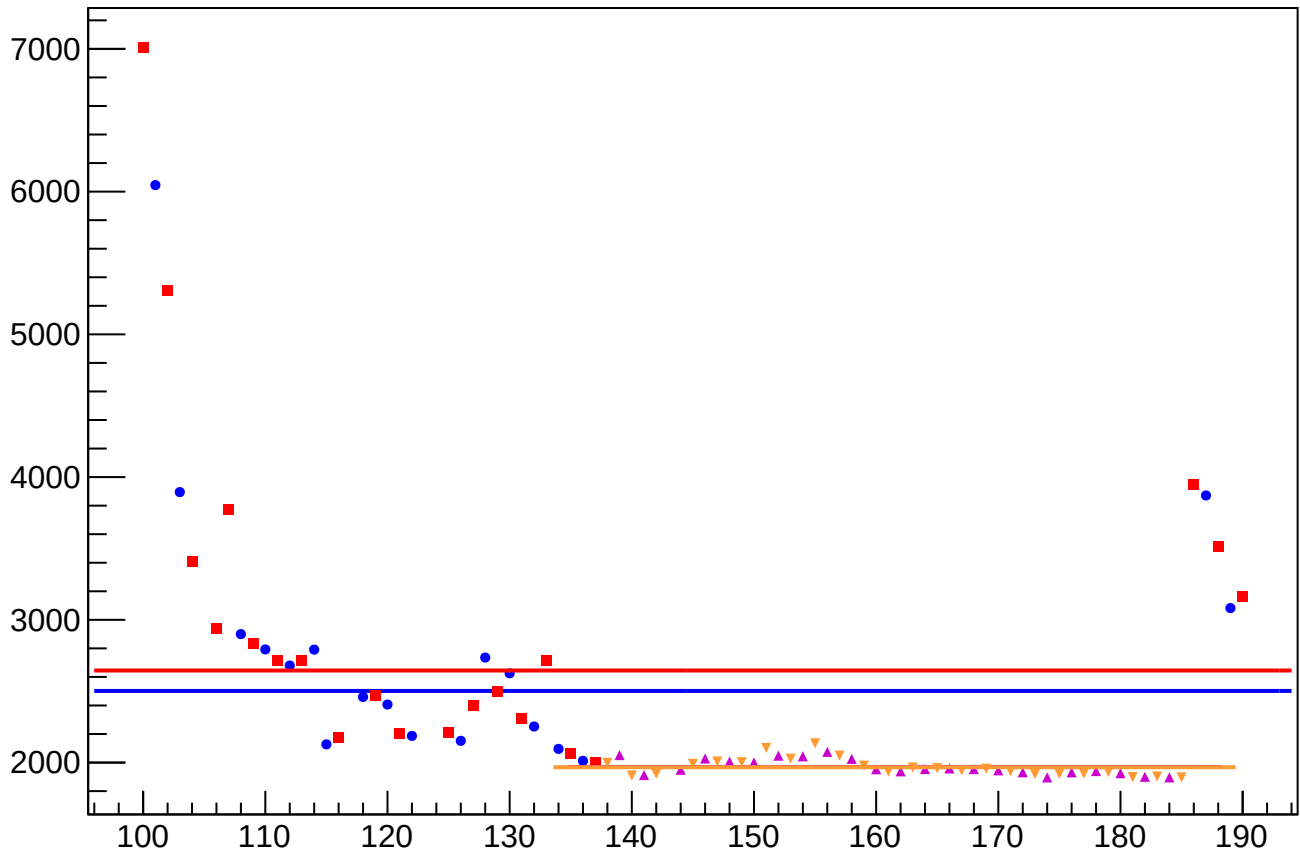
Left In: -39.885 $\pm$ 459.938 χ^2 /NDF:27.8/22

+ sign 1300.473 $\pm$ 408.757 χ^2 /NDF: 52.1/41

All: 672.327 $\pm$ 289.565 χ^2 /NDF: 97.7/85

- sign 39.548 $\pm$ 410.262 χ^2 /NDF: 40.9/43

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2501.913+/-0.647 χ^2/NDF : 921415.5/17

Left Out: 1967.416+/-0.323 χ^2/NDF : 34217.6/23

Right Out: 2645.041+/-0.642 χ^2/NDF : 921684.7/20

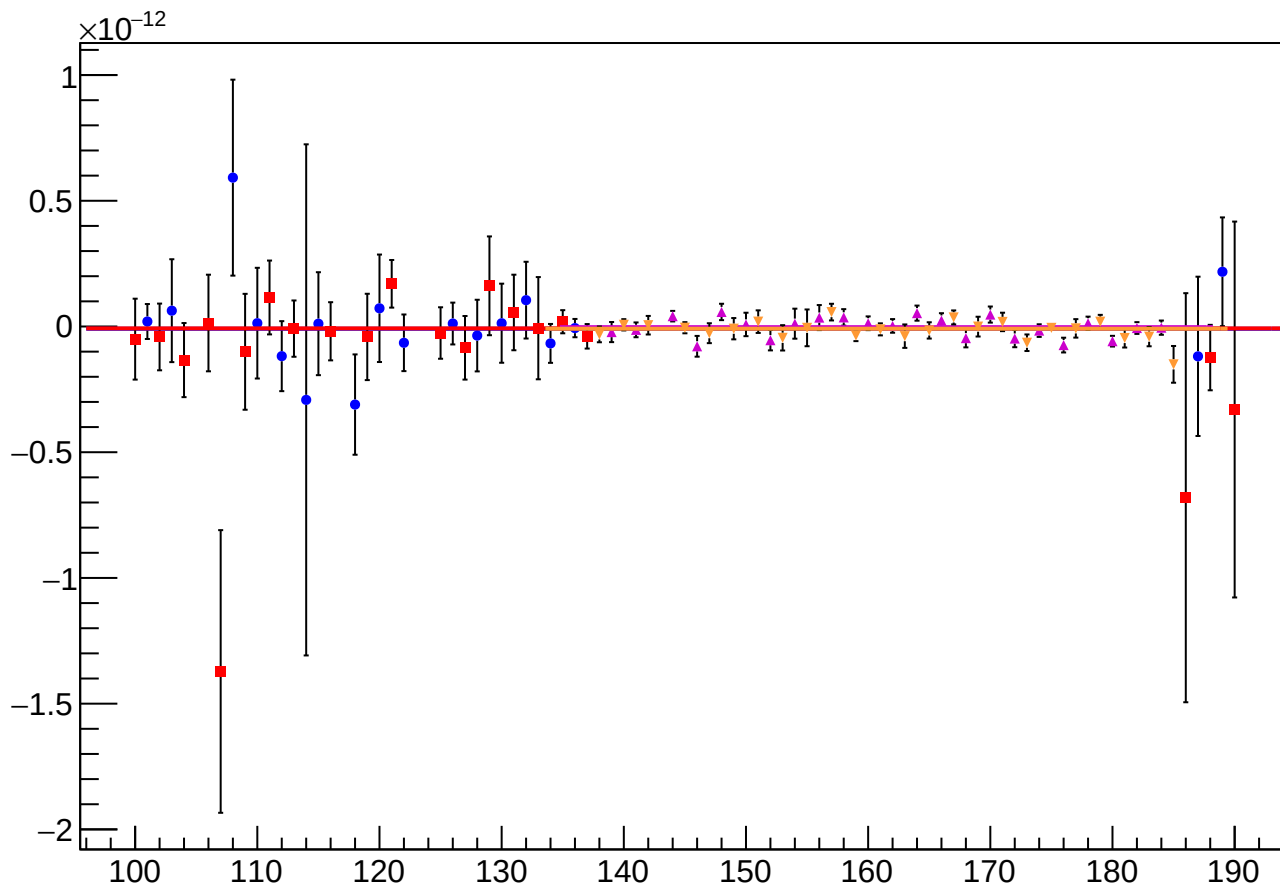
Left In: 1969.022+/-0.325 χ^2/NDF : 26523.0/22

+ sign 2074.088+/-0.289 χ^2/NDF : 1501915.1/41

All: 2090.566+/-0.205 χ^2/NDF : 3339564.5/85

- sign 2107.165+/-0.290 χ^2/NDF : 1831125.0/43

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 8.5/17

Left Out: -0.000+/-0.000 χ^2 /NDF:20.8/23

Right Out: -0.000+/-0.000 χ^2 /NDF: 14.9/20

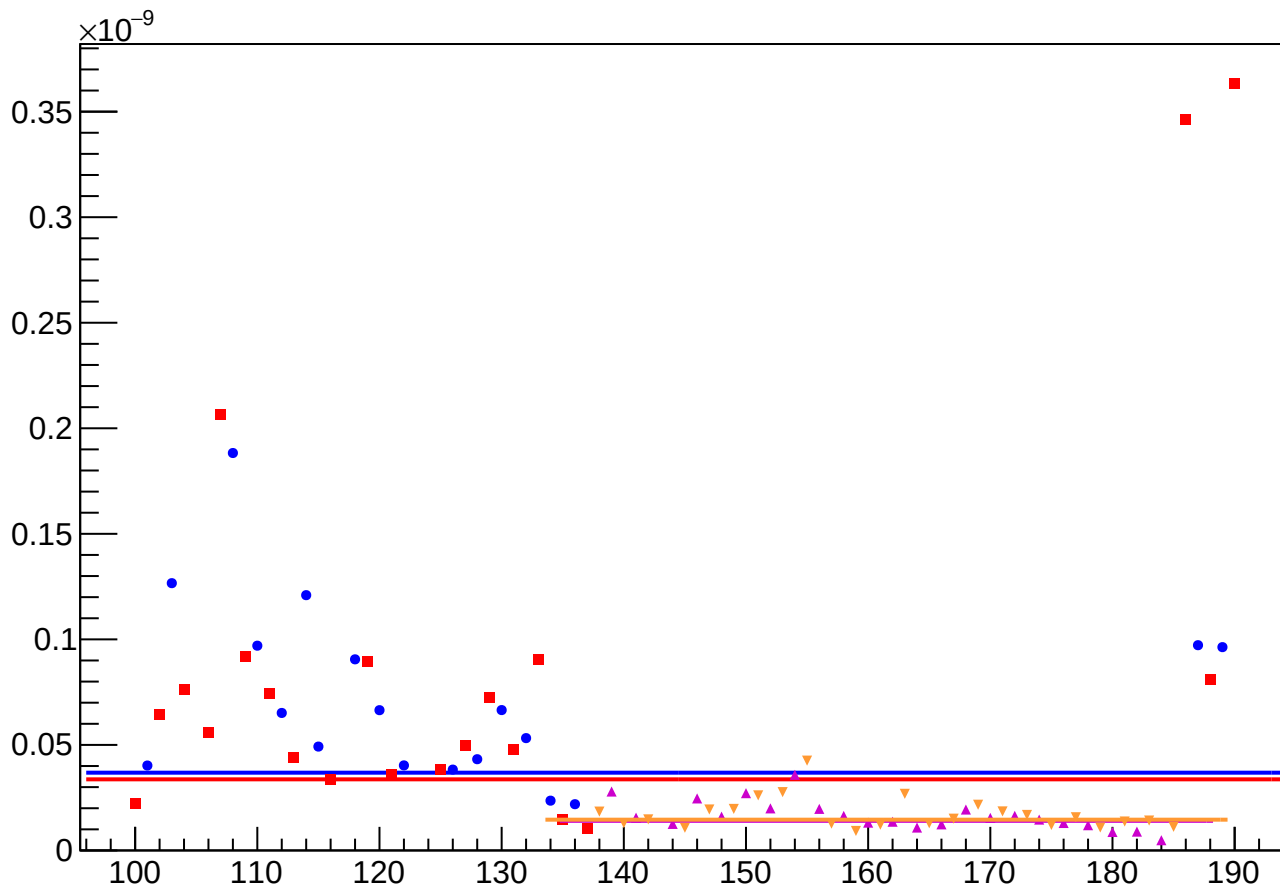
Left In: -0.000+/-0.000 χ^2 /NDF:38.9/22

+ sign -0.000+/-0.000 χ^2 /NDF: 29.3/41

All: -0.000+/-0.000 χ^2 /NDF: 83.6/85

- sign -0.000+/-0.000 χ^2 /NDF: 53.9/43

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1848417.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3037799.5/20

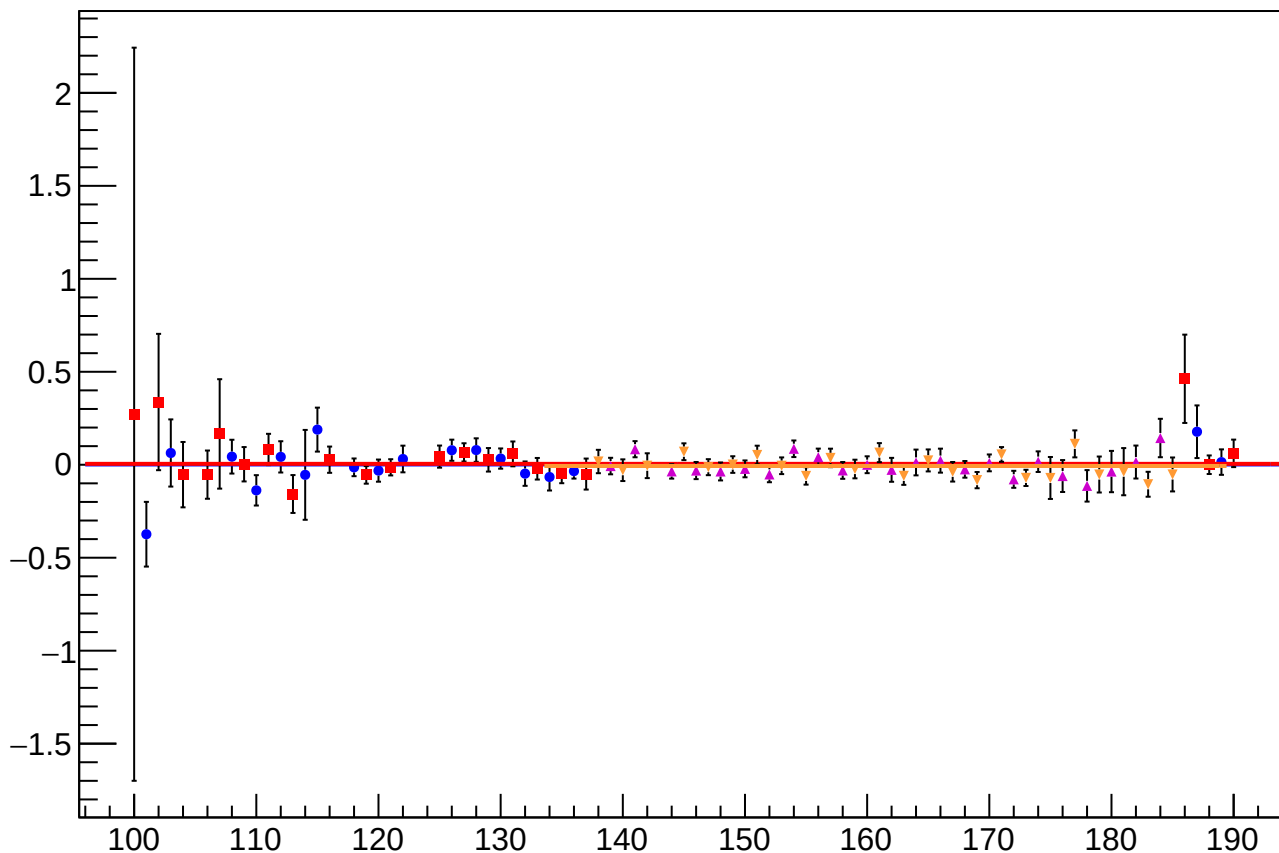
Left In: 0.000+/-0.000 χ^2/NDF : 1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 4594022.3/41

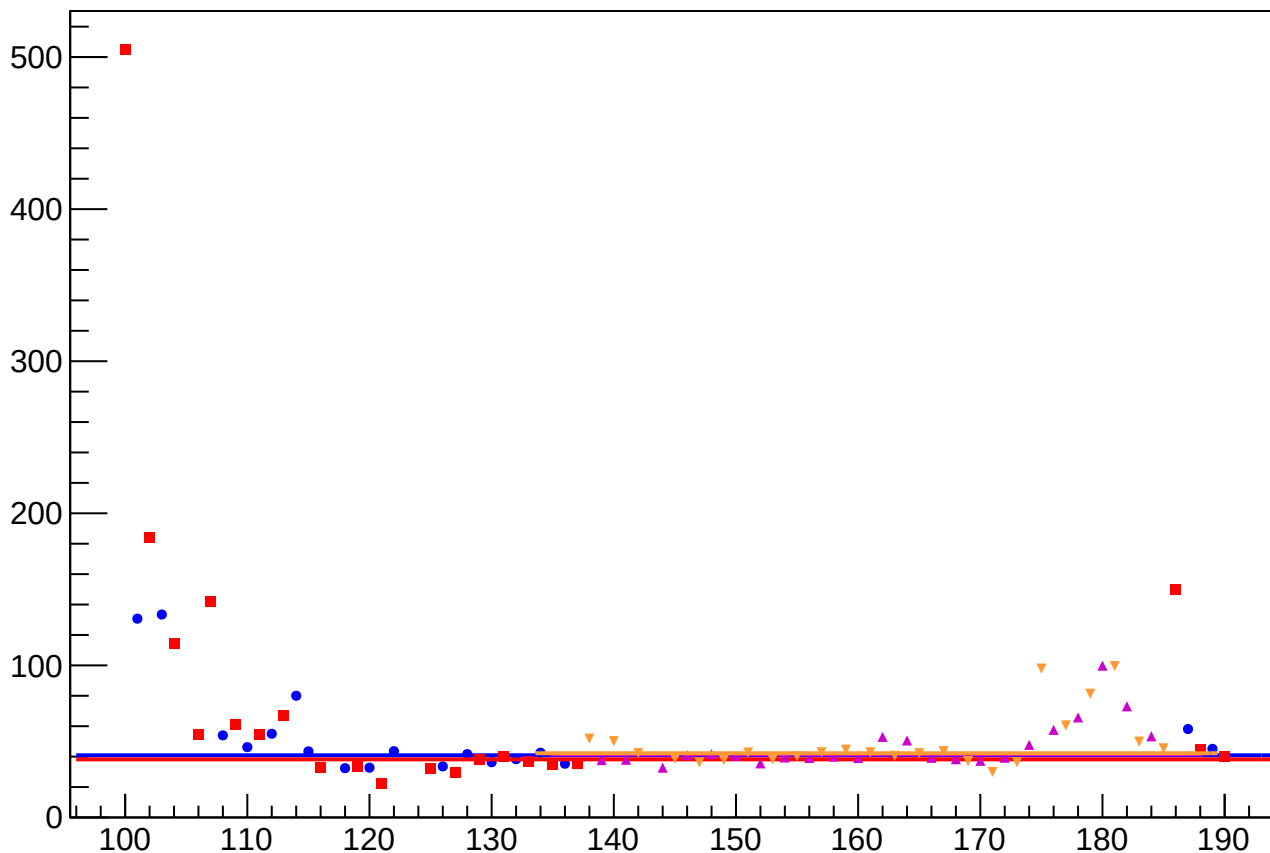
All: 0.000+/-0.000 χ^2/NDF : 10339198.4/85

- sign 0.000+/-0.000 χ^2/NDF : 5730855.3/43

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.866 $\pm$ 0.012 χ^2 /NDF: 1449342.6/17

Left Out: 42.208 $\pm$ 0.008 χ^2 /NDF: 1819371.1/23

Right Out: 38.205 $\pm$ 0.011 χ^2 /NDF: 2331100.5/20

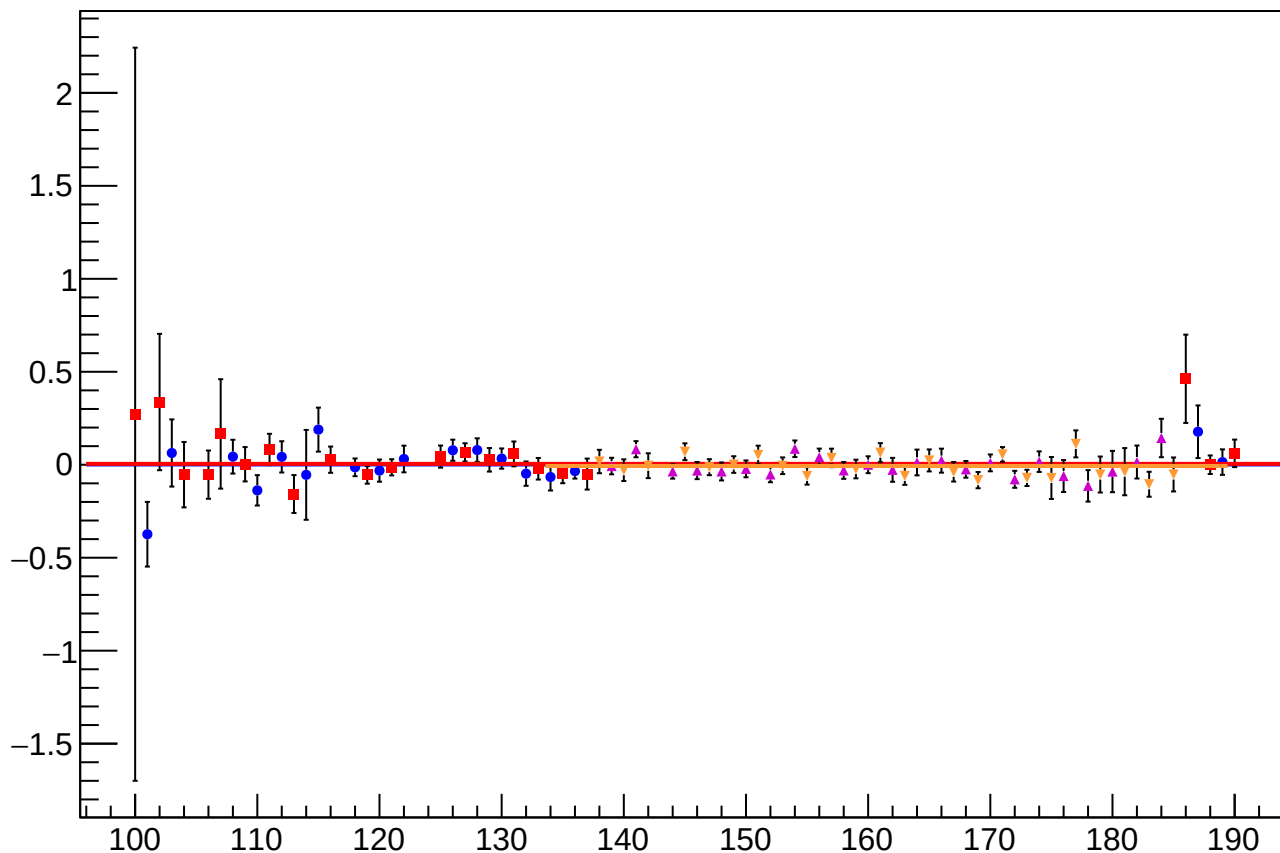
Left In: 41.421 $\pm$ 0.008 χ^2 /NDF: 1412177.5/22

+ sign 41.798 $\pm$ 0.006 χ^2 /NDF: 3277945.4/41

All: 41.062 $\pm$ 0.004 χ^2 /NDF: 7105115.5/85

- sign 40.371 $\pm$ 0.006 χ^2 /NDF: 3801789.4/43

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.016 χ^2 /NDF: 18.7/17

Left Out: -0.007 $\pm$ 0.011 χ^2 /NDF: 23.9/23

Right Out: 0.005 $\pm$ 0.015 χ^2 /NDF: 15.3/20

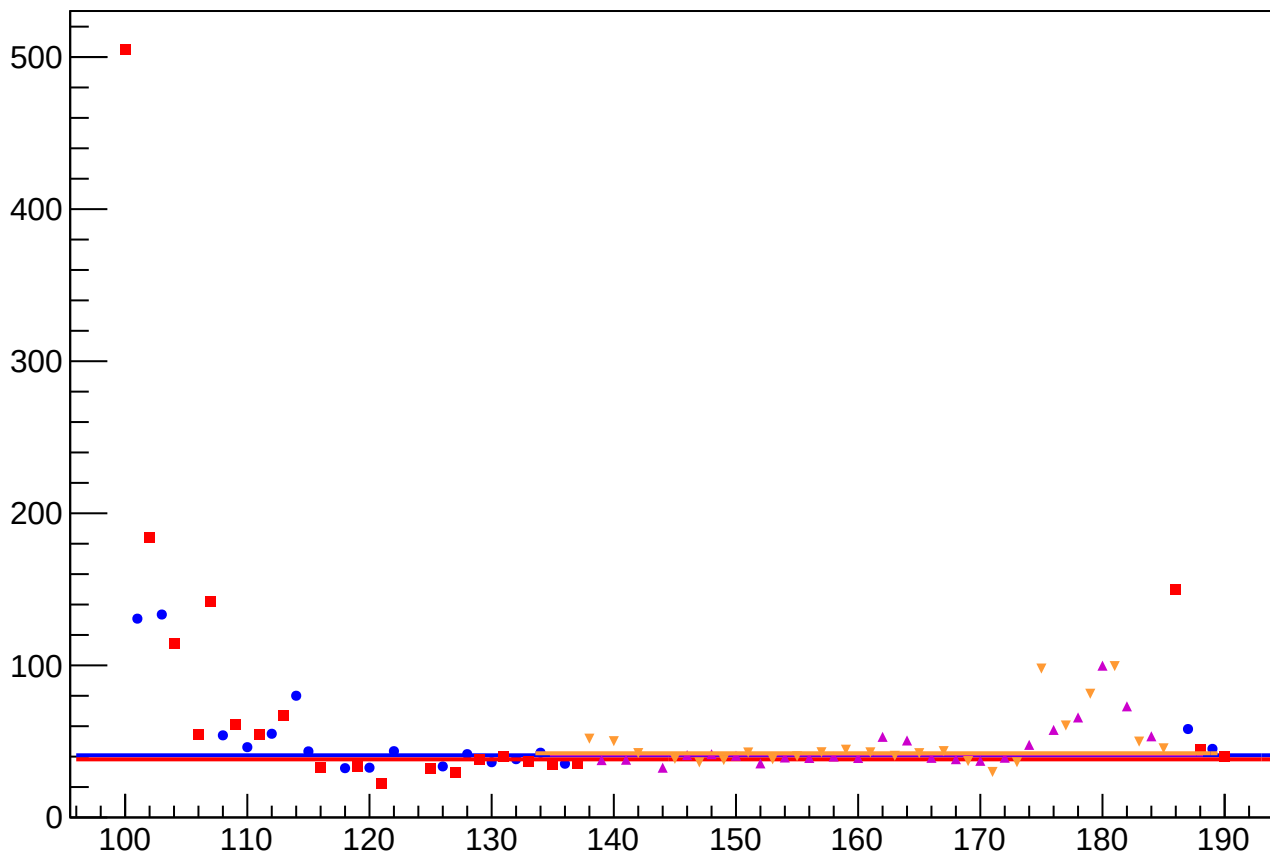
Left In: -0.006 $\pm$ 0.011 χ^2 /NDF: 20.1/22

+ sign -0.004 $\pm$ 0.009 χ^2 /NDF: 42.8/41

All: -0.003 $\pm$ 0.006 χ^2 /NDF: 78.6/85

- sign -0.003 $\pm$ 0.009 χ^2 /NDF: 35.7/43

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.866 $\pm$ 0.012 χ^2 /NDF: 1449342.6/17

Left Out: 42.208 $\pm$ 0.008 χ^2 /NDF: 1819371.1/23

Right Out: 38.205 $\pm$ 0.011 χ^2 /NDF: 2331100.5/20

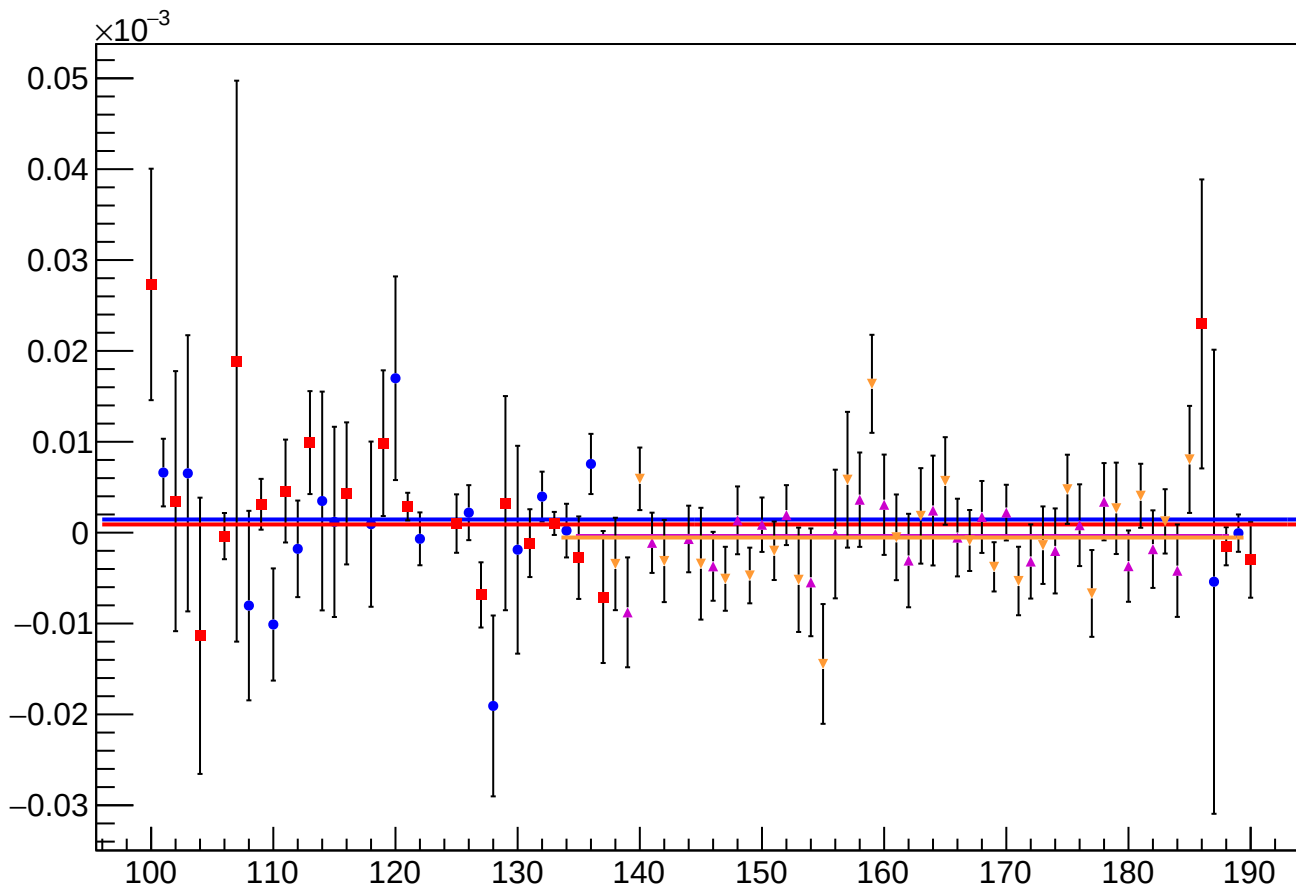
Left In: 41.421 $\pm$ 0.008 χ^2 /NDF: 1412177.5/22

+ sign 41.798 $\pm$ 0.006 χ^2 /NDF: 3277945.4/41

All: 41.062 $\pm$ 0.004 χ^2 /NDF: 7105115.5/85

- sign 40.371 $\pm$ 0.006 χ^2 /NDF: 3801789.4/43

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.6/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 36.8/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 23.3/20

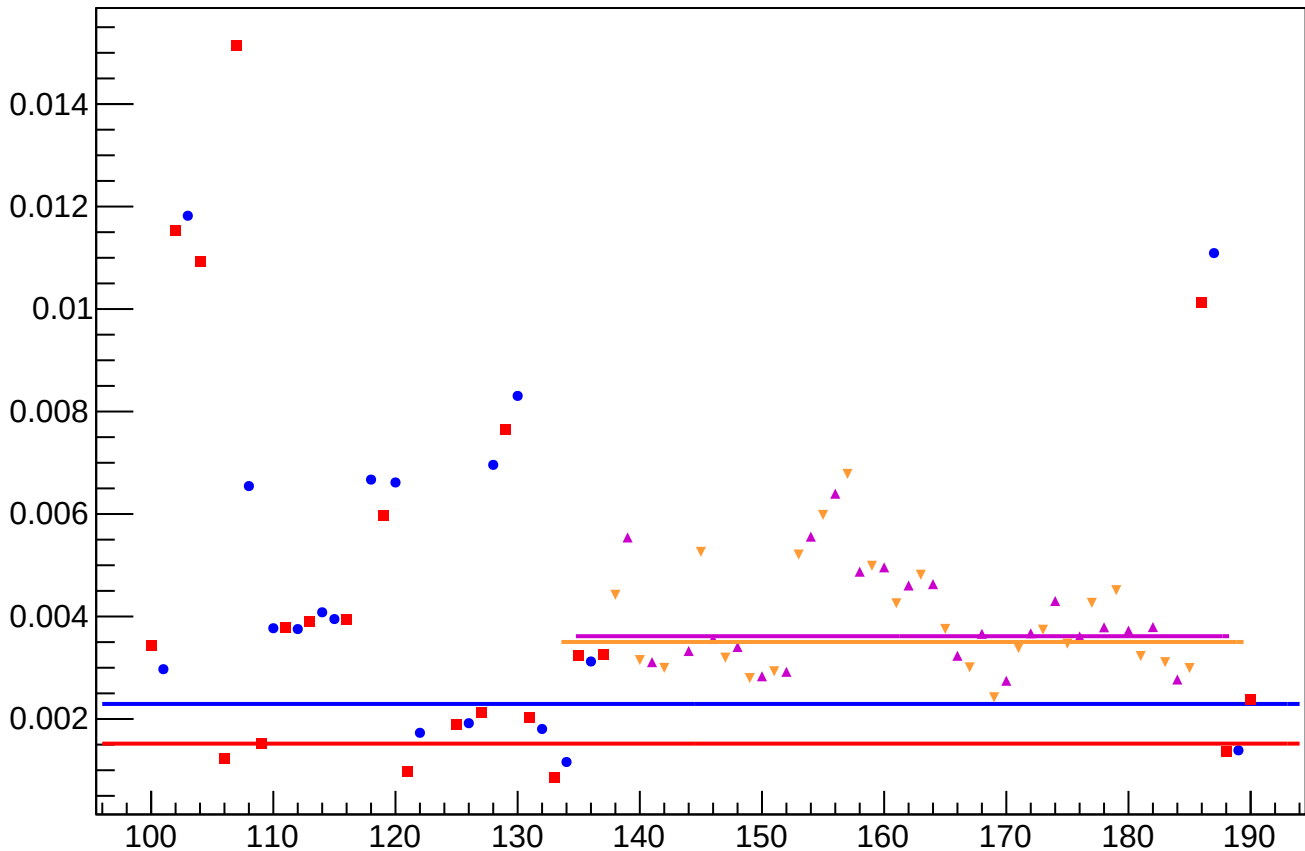
Left In: -0.000 ± 0.000 χ^2/NDF : 9.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 57.8/41

All: 0.000 ± 0.000 χ^2/NDF : 92.1/85

- sign 0.000 ± 0.000 χ^2/NDF : 34.3/43

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4512894.3/17

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2190693.7/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 6249438.4/20

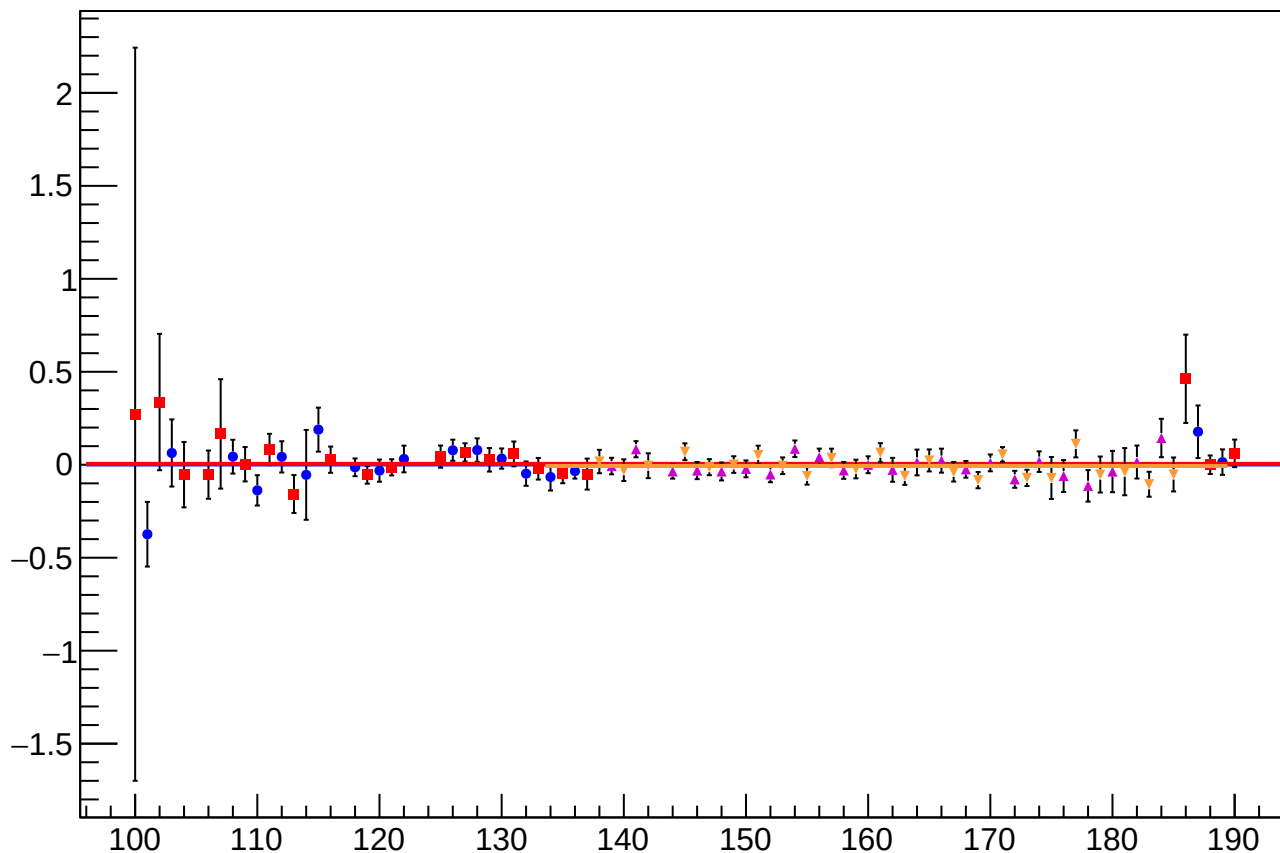
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1668896.2/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8417007.1/41

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 24624015.2/85

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 14974310.3/43

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.016 χ^2/NDF : 18.7/17

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: 0.005 ± 0.015 χ^2/NDF : 15.3/20

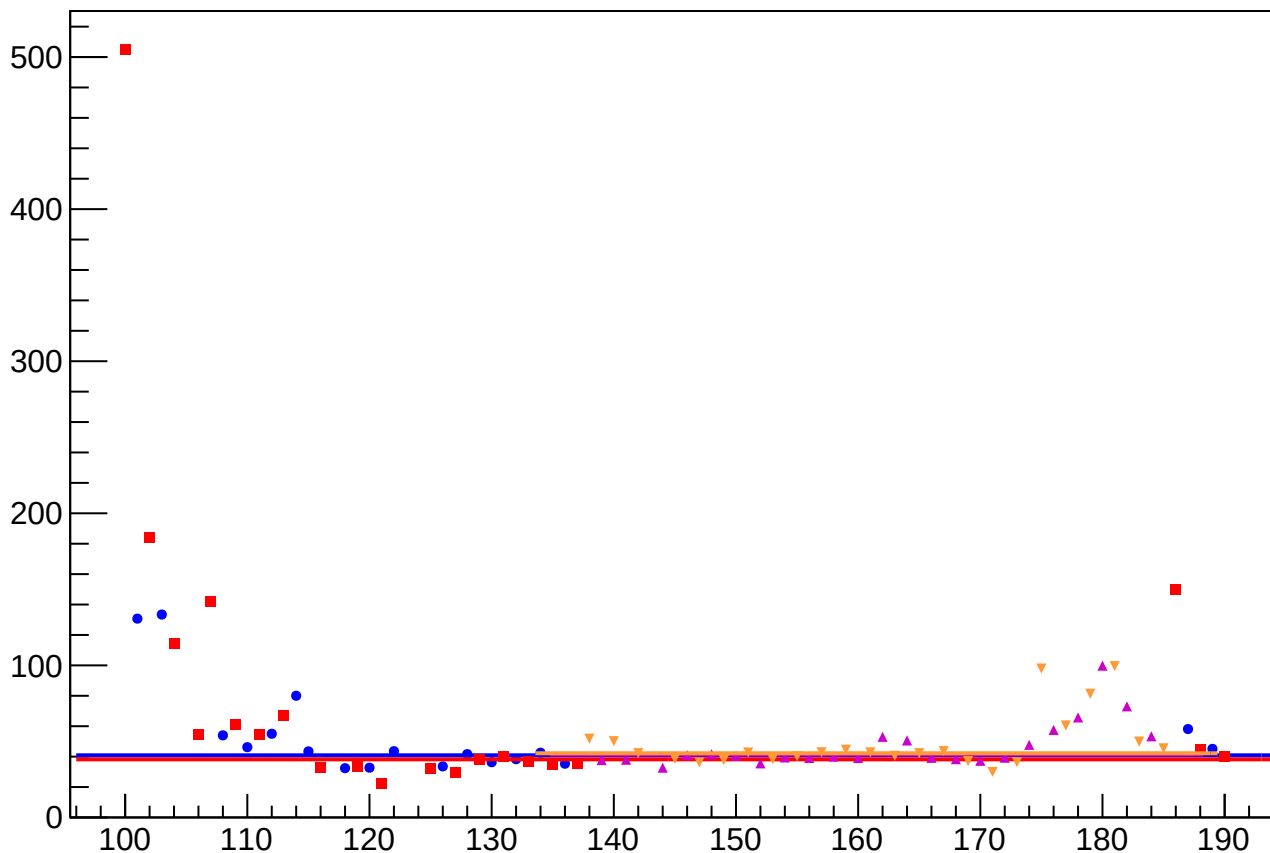
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign -0.004 ± 0.009 χ^2/NDF : 42.8/41

All: -0.003 ± 0.006 χ^2/NDF : 78.6/85

- sign -0.003 ± 0.009 χ^2/NDF : 35.7/43

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.866 $\pm$ 0.012 χ^2 /NDF: 1449217.9/17

Left Out: 42.208 $\pm$ 0.008 χ^2 /NDF: 1819378.3/23

Right Out: 38.205 $\pm$ 0.011 χ^2 /NDF: 2331098.9/20

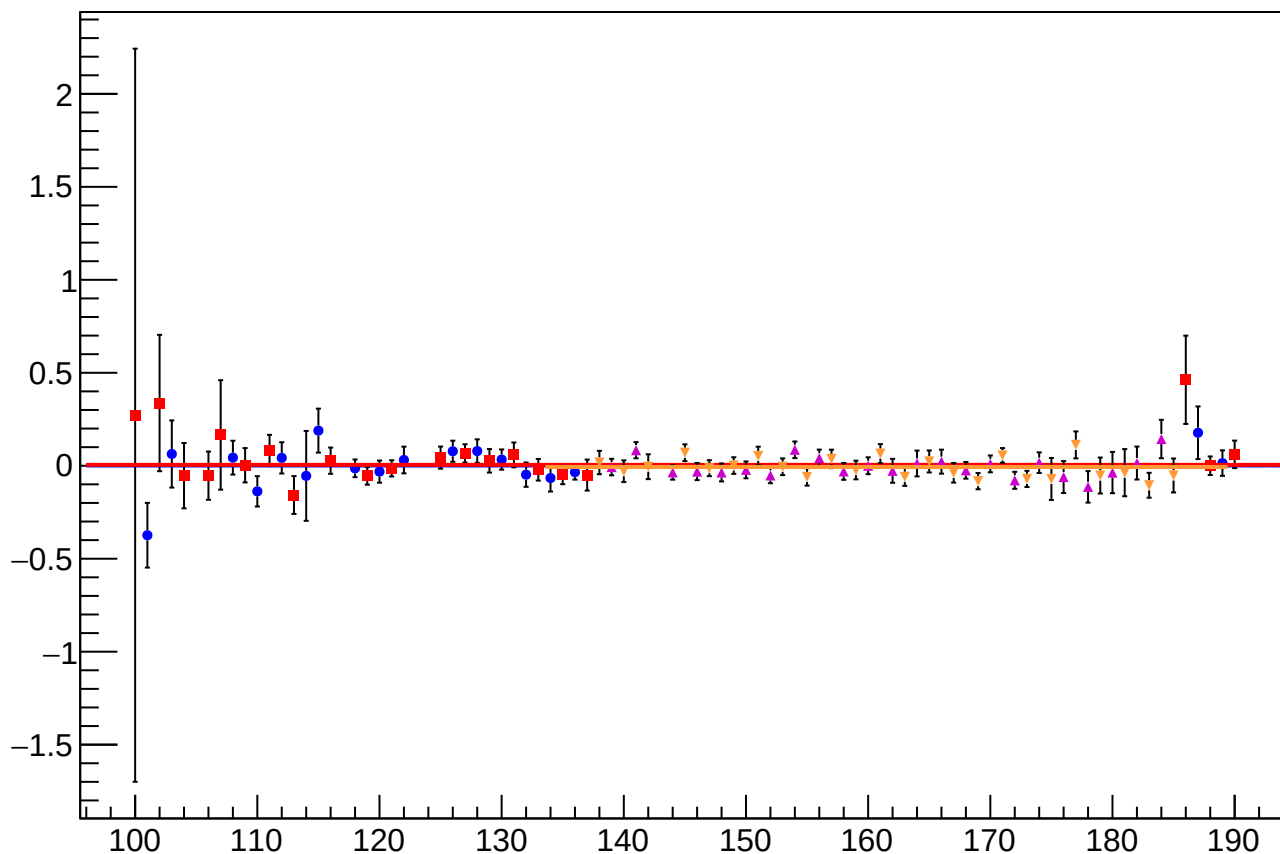
Left In: 41.421 $\pm$ 0.008 χ^2 /NDF: 1412111.4/22

+ sign 41.798 $\pm$ 0.006 χ^2 /NDF: 3277817.4/41

All: 41.061 $\pm$ 0.004 χ^2 /NDF: 7104962.3/85

- sign 40.370 $\pm$ 0.006 χ^2 /NDF: 3801751.6/43

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.016 χ^2/NDF : 18.7/17

Left Out: -0.007 ± 0.011 χ^2/NDF : 23.9/23

Right Out: 0.005 ± 0.015 χ^2/NDF : 15.3/20

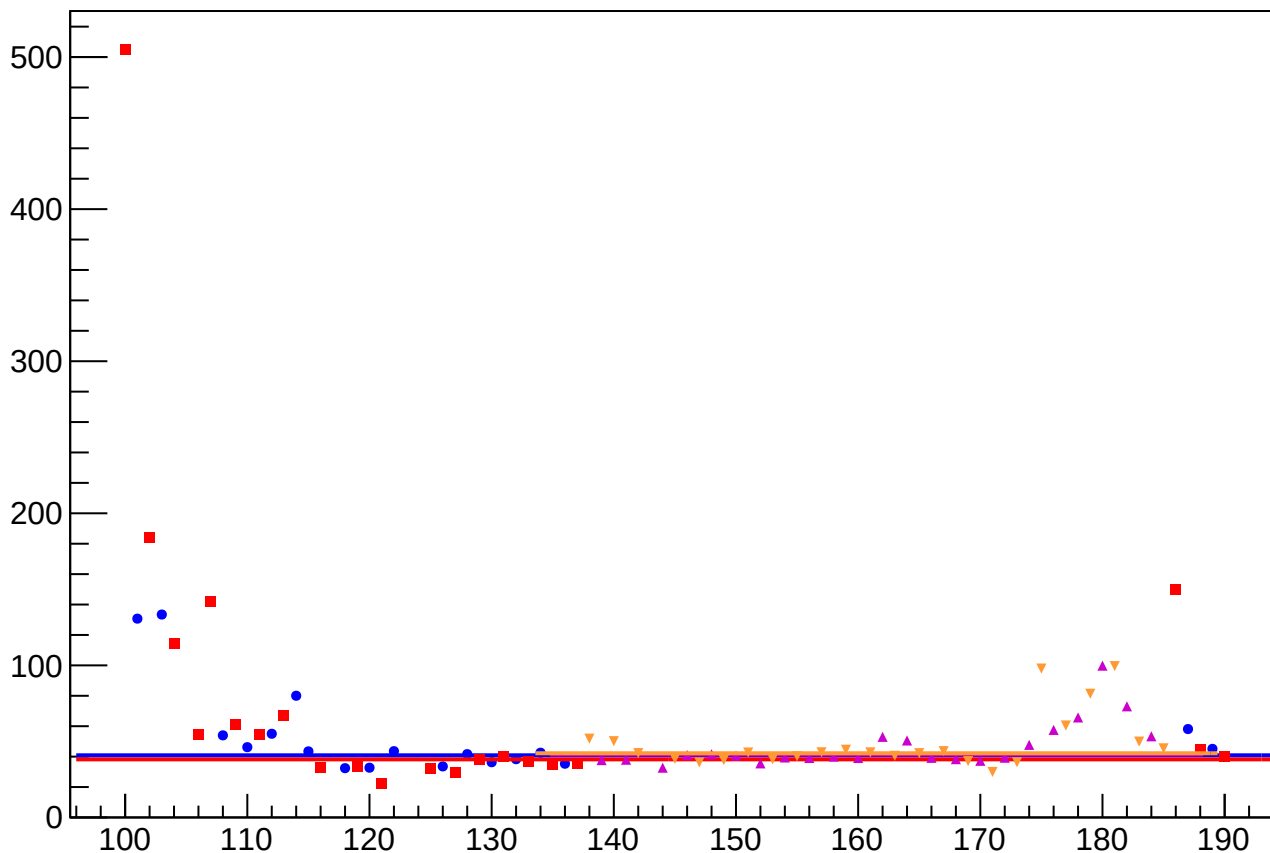
Left In: -0.006 ± 0.011 χ^2/NDF : 20.1/22

+ sign -0.004 ± 0.009 χ^2/NDF : 42.8/41

All: -0.003 ± 0.006 χ^2/NDF : 78.6/85

- sign -0.003 ± 0.009 χ^2/NDF : 35.7/43

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.866 $\pm$ 0.012 χ^2 /NDF: 1449217.9/17

Left Out: 42.208 $\pm$ 0.008 χ^2 /NDF: 1819378.3/23

Right Out: 38.205 $\pm$ 0.011 χ^2 /NDF: 2331098.9/20

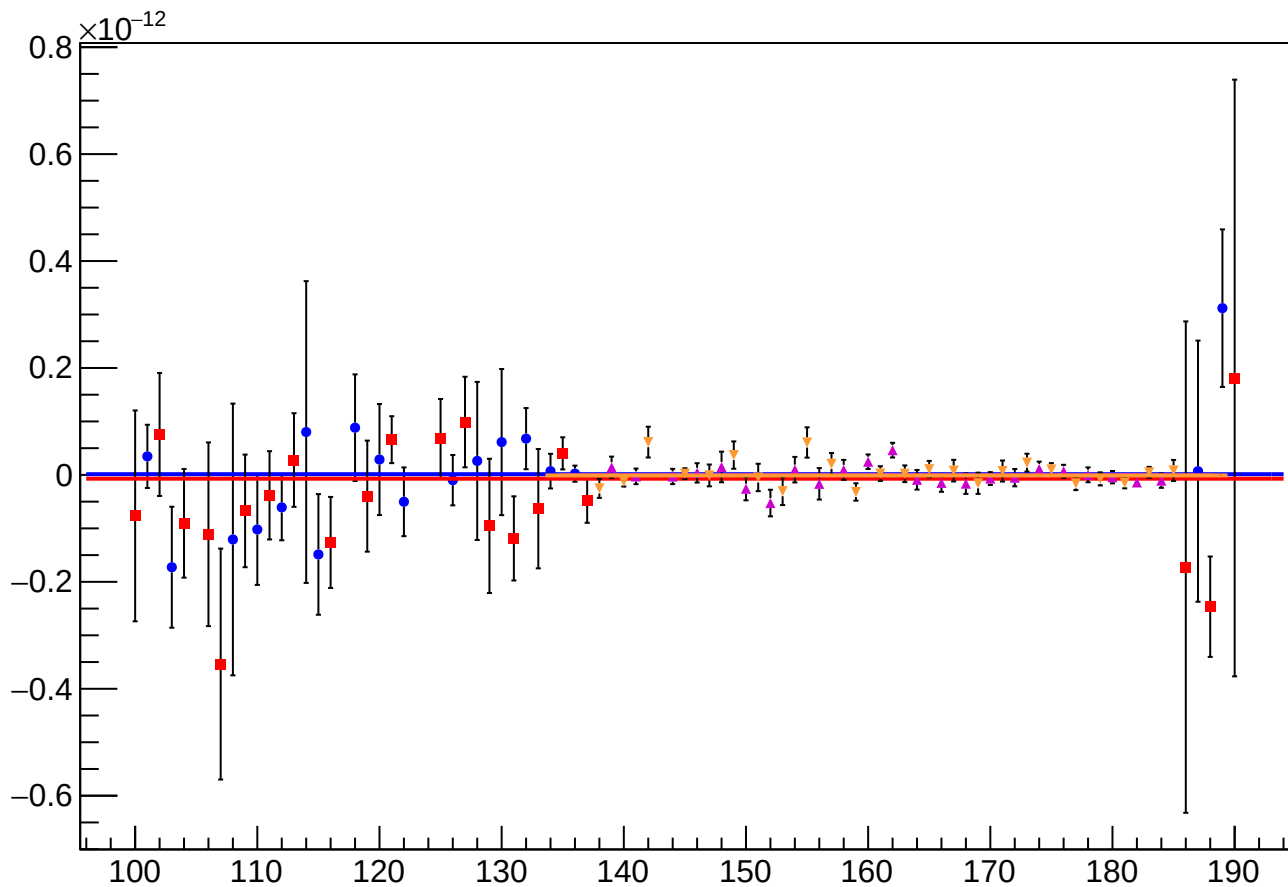
Left In: 41.421 $\pm$ 0.008 χ^2 /NDF: 1412111.4/22

+ sign 41.798 $\pm$ 0.006 χ^2 /NDF: 3277817.4/41

All: 41.061 $\pm$ 0.004 χ^2 /NDF: 7104962.3/85

- sign 40.370 $\pm$ 0.006 χ^2 /NDF: 3801751.6/43

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.4/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 29.5/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.3/20

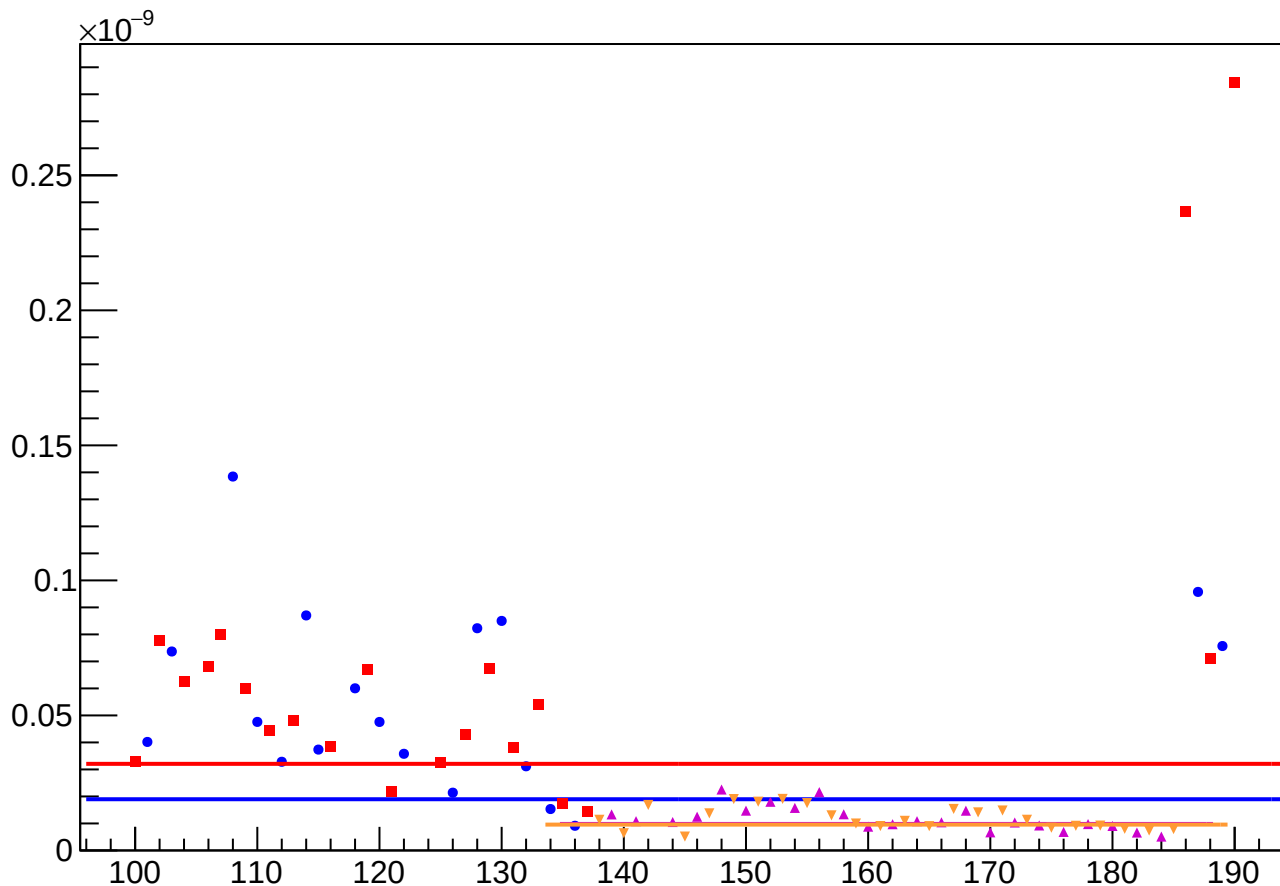
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 28.3/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 43.9/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 97.7/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 53.8/43

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4521211.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3555251.8/20

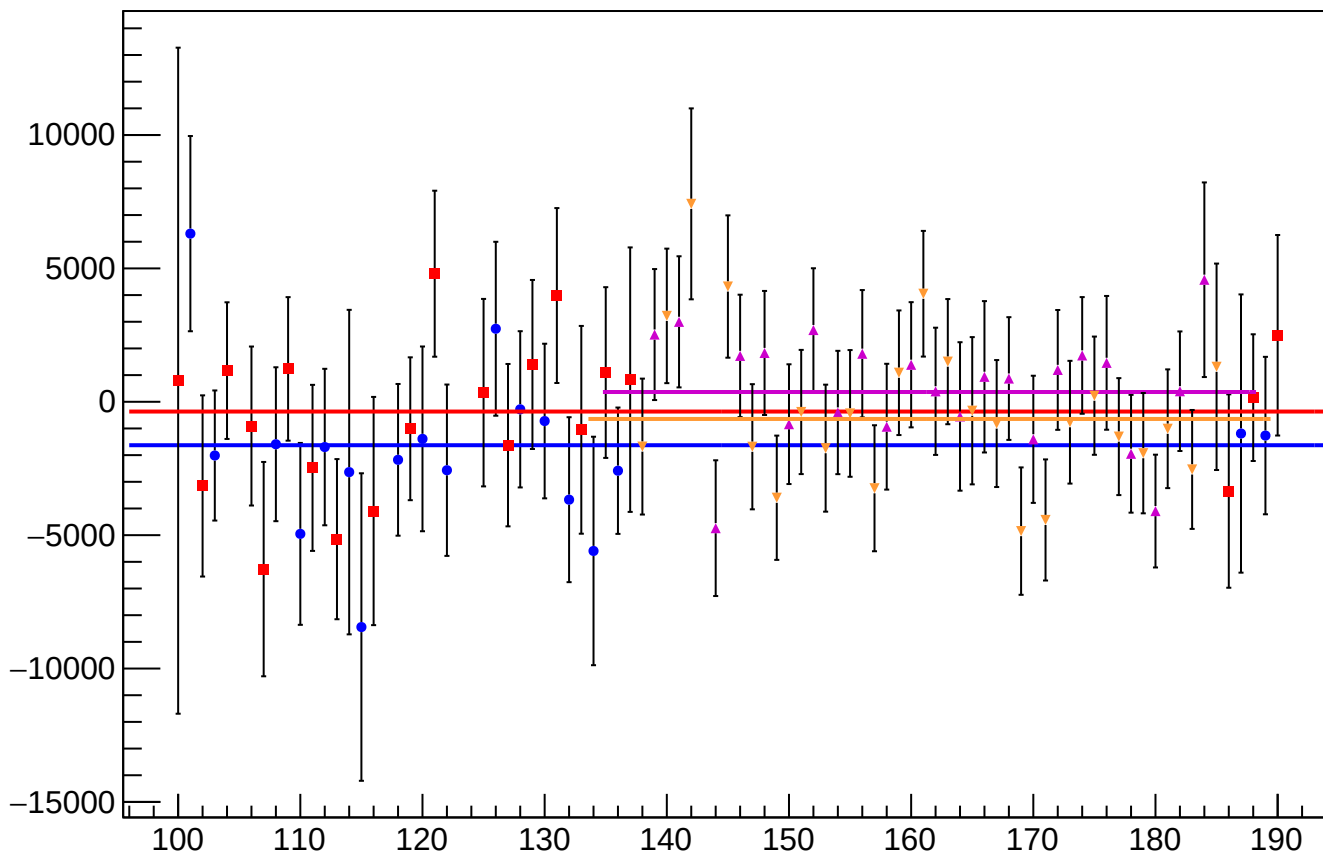
Left In: 0.000+/-0.000 χ^2/NDF : 2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 8209342.5/41

All: 0.000+/-0.000 χ^2/NDF : 17670428.2/85

- sign 0.000+/-0.000 χ^2/NDF : 9439556.6/43

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1628.130 $\pm$ 756.980 χ^2 /NDF: 10.8/17

Left Out: -643.811 $\pm$ 493.681 χ^2 /NDF: 27.1/23

Right Out: -365.747 $\pm$ 710.699 χ^2 /NDF: 14.0/20

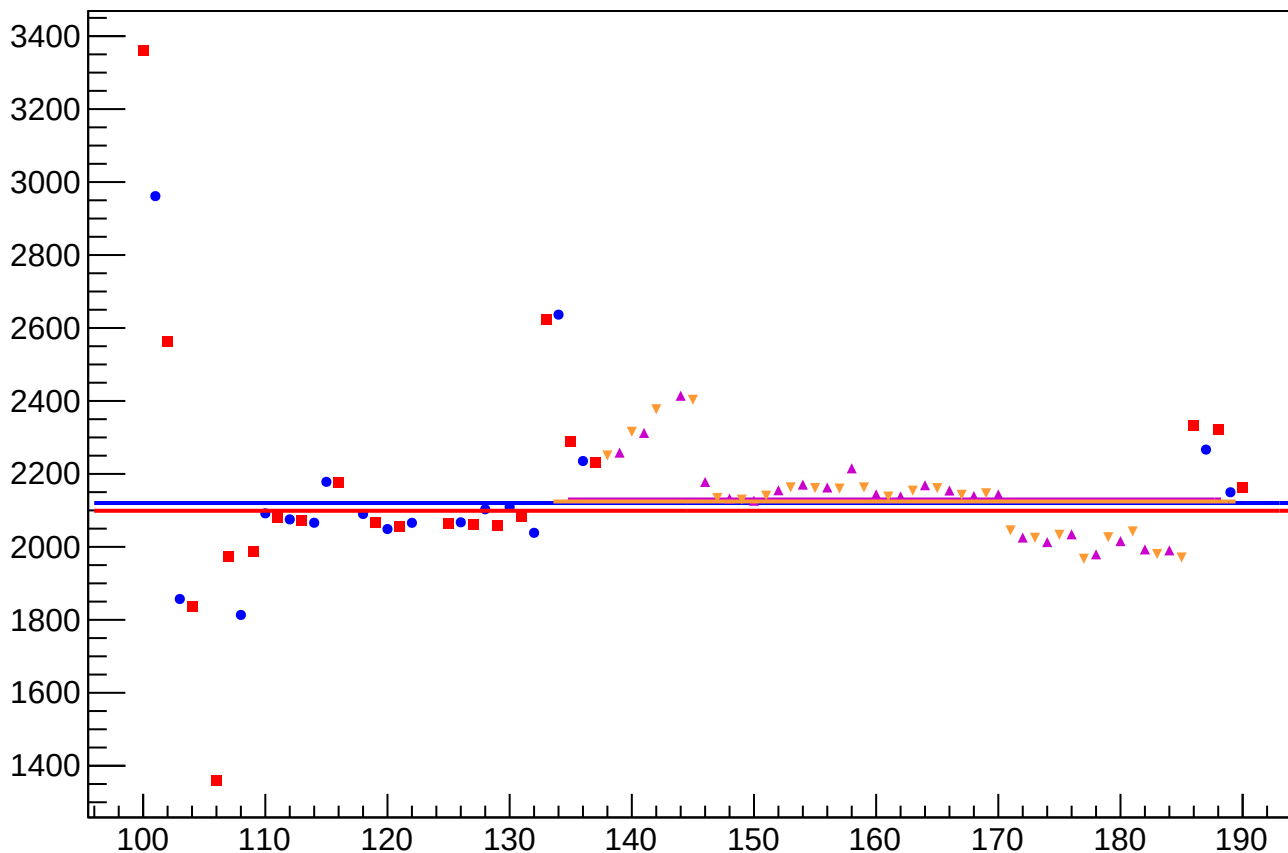
Left In: 366.759 $\pm$ 497.896 χ^2 /NDF: 17.3/22

+ sign -937.539 $\pm$ 413.513 χ^2 /NDF: 39.1/41

All: -398.550 $\pm$ 290.351 χ^2 /NDF: 74.5/85

- sign 125.603 $\pm$ 407.783 χ^2 /NDF: 32.1/43

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2120.255 $\pm$ 0.535 χ^2 /NDF: 191792.9/17

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2098.981 $\pm$ 0.503 χ^2 /NDF: 280421.5/20

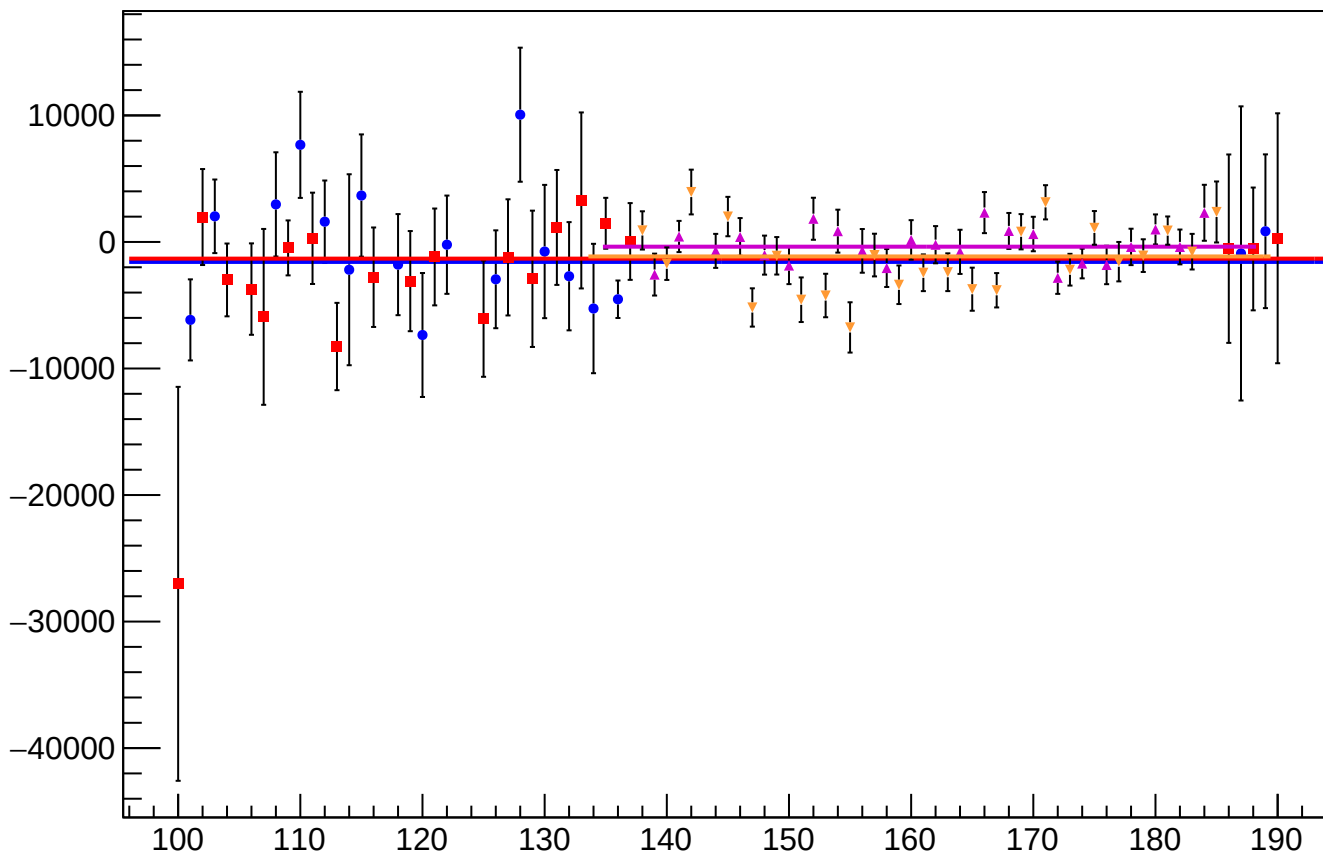
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.5/22

+ sign 2123.189 $\pm$ 0.292 χ^2 /NDF: 281019.7/41

All: 2121.430 $\pm$ 0.205 χ^2 /NDF: 649405.9/85

- sign 2119.718 $\pm$ 0.288 χ^2 /NDF: 368314.7/43

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug



Right In: -1577.938 ± 851.563 χ^2/NDF : 23.0/17

Left Out: -1144.817 ± 302.488 χ^2/NDF : 67.5/23

Right Out: -1317.208 ± 820.168 χ^2/NDF : 13.5/20

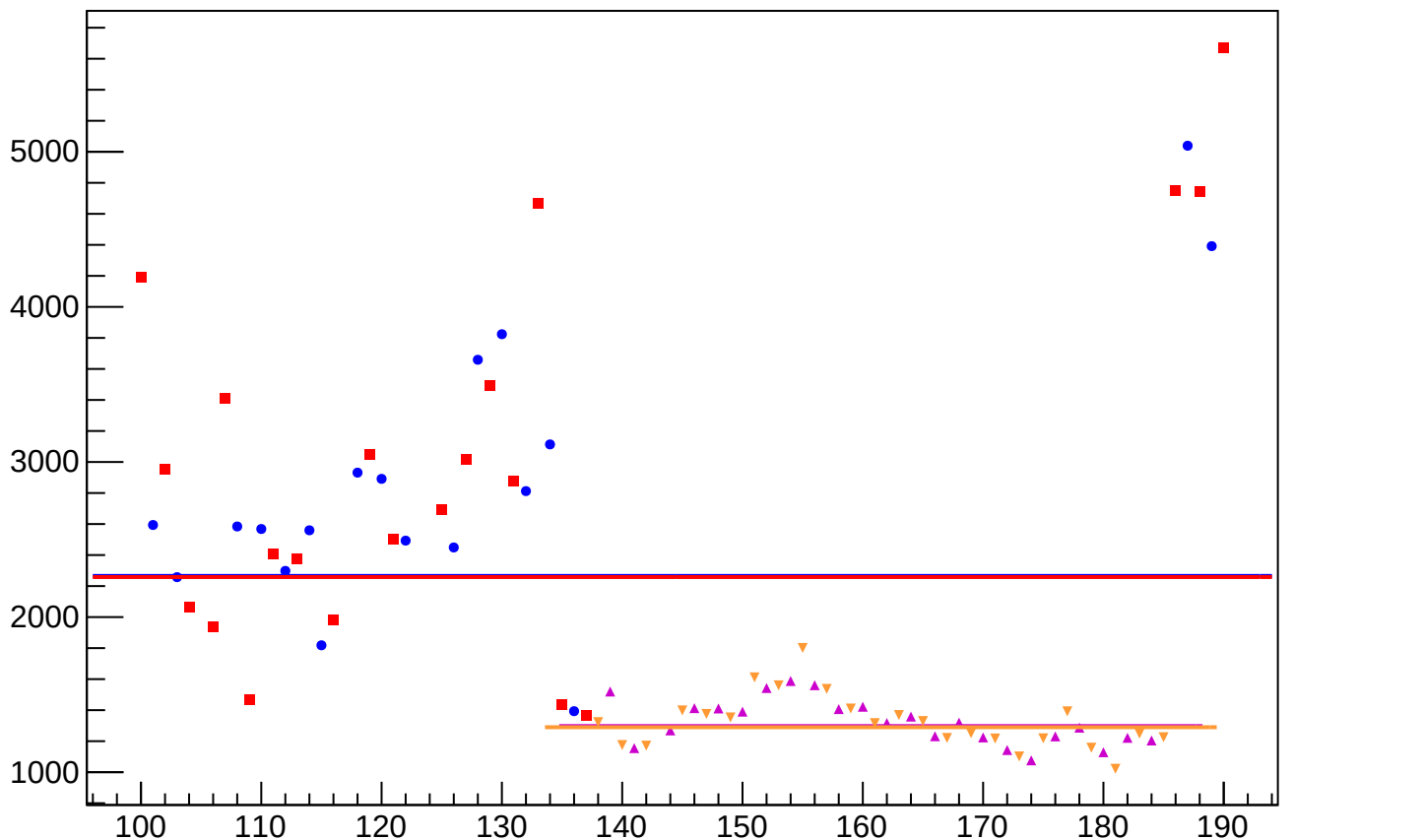
Left In: -373.302 ± 305.378 χ^2/NDF : 20.3/22

+ sign -1193.344 ± 285.039 χ^2/NDF : 90.8/41

All: -842.199 ± 201.957 χ^2/NDF : 128.8/85

- sign -488.227 ± 286.184 χ^2/NDF : 35.0/43

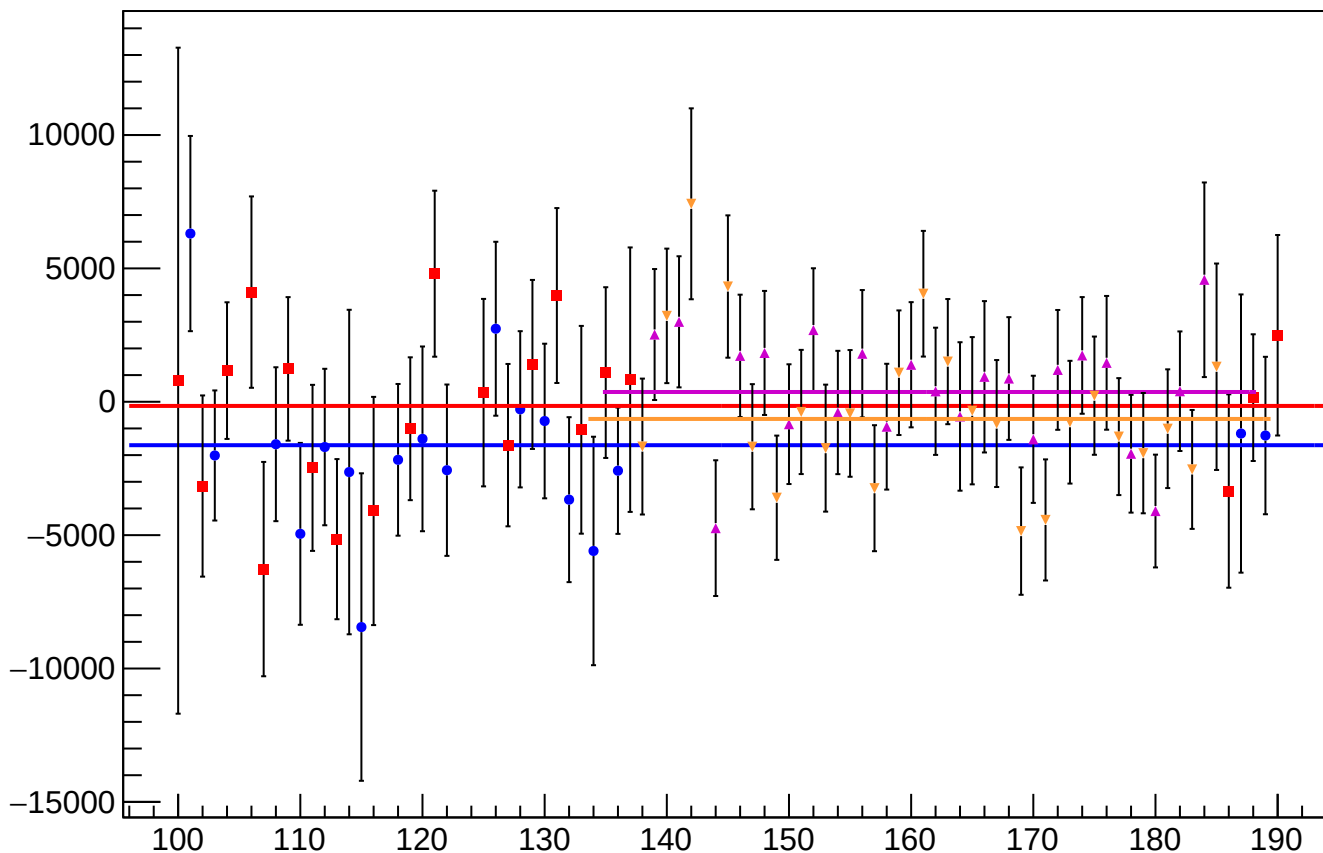
asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2265.365 $\pm$ 0.602 χ^2 /NDF: 1617191.3/17
 Left Out: 1290.029 $\pm$ 0.214 χ^2 /NDF: 567950.9/23
 Right Out: 2258.306 $\pm$ 0.580 χ^2 /NDF: 2494961.1/20
 Left In: 1297.454 $\pm$ 0.216 χ^2 /NDF: 433995.4/22

+ sign 1399.307 $\pm$ 0.202 χ^2 /NDF: 4514825.5/41
 All: 1406.844 $\pm$ 0.143 χ^2 /NDF: 9857341.6/85
 - sign 1414.442 $\pm$ 0.202 χ^2 /NDF: 5339707.7/43

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1628.040 $\pm$ 756.981 χ^2 /NDF: 10.8/17

Left Out: -643.673 $\pm$ 493.681 χ^2 /NDF: 27.1/23

Right Out: -155.817 $\pm$ 717.047 χ^2 /NDF: 15.5/20

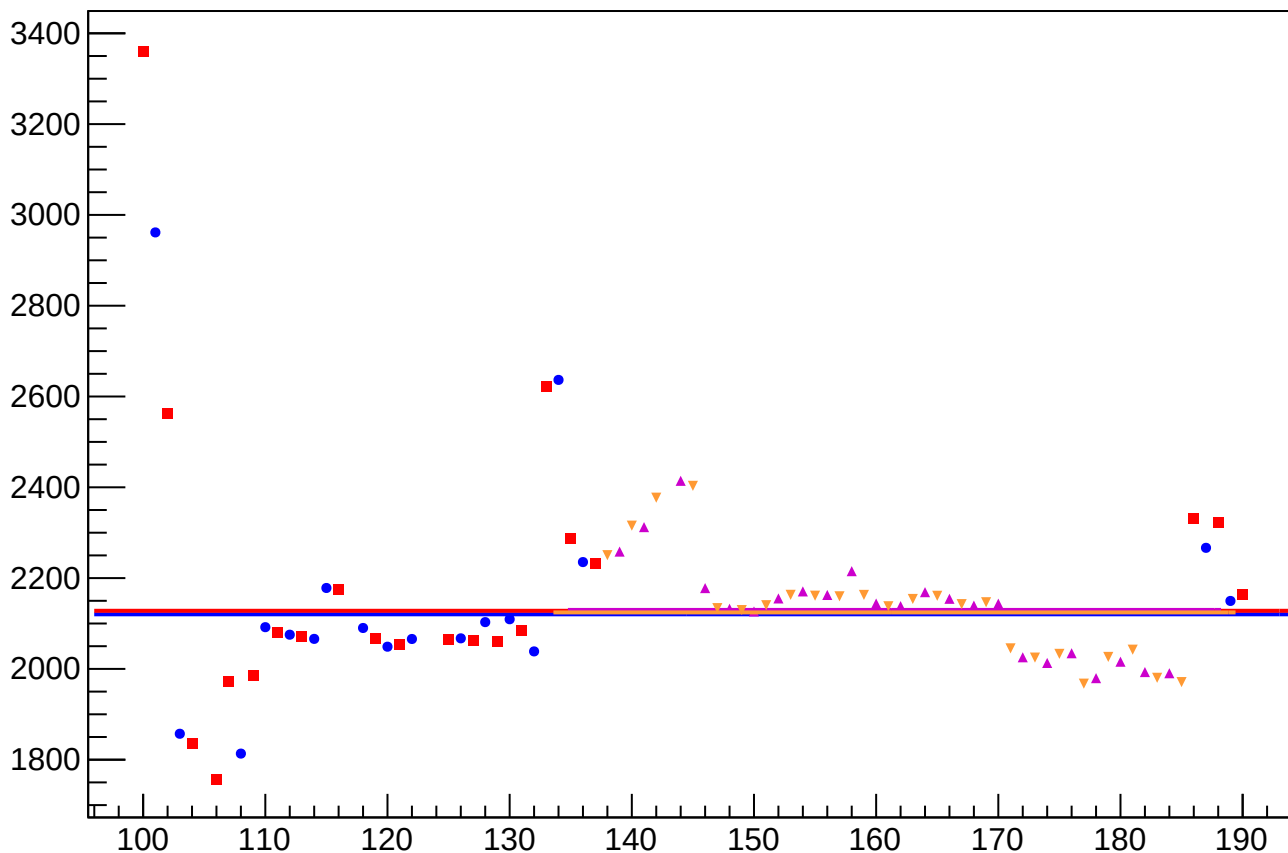
Left In: 366.649 $\pm$ 497.896 χ^2 /NDF: 17.3/22

+ sign -937.415 $\pm$ 413.513 χ^2 /NDF: 39.1/41

All: -364.101 $\pm$ 290.779 χ^2 /NDF: 76.1/85

- sign 196.688 $\pm$ 408.971 χ^2 /NDF: 33.1/43

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2120.255 $\pm$ 0.535 χ^2 /NDF: 191793.2/17

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2128.017 $\pm$ 0.507 χ^2 /NDF: 172716.0/20

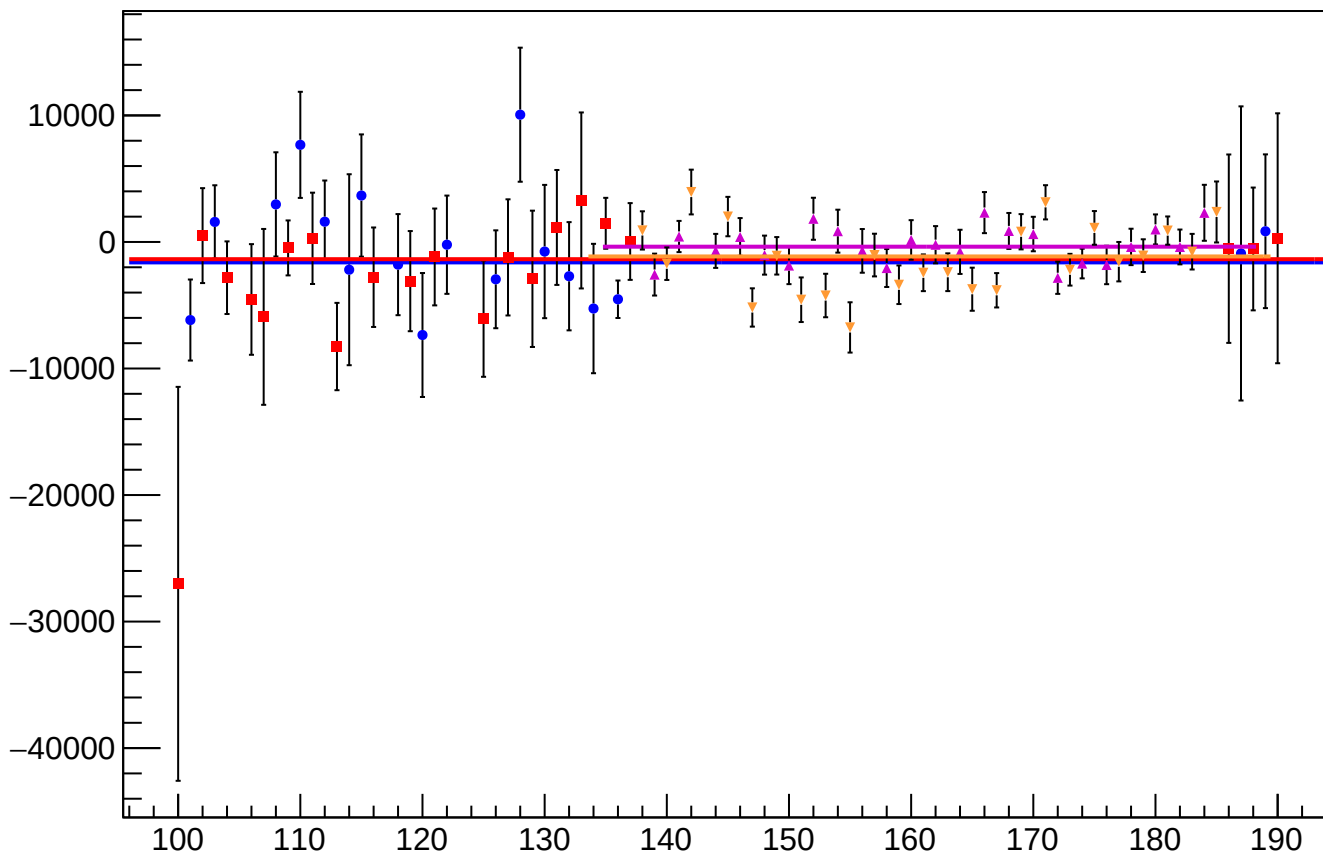
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.4/22

+ sign 2123.189 $\pm$ 0.292 χ^2 /NDF: 281020.0/41

All: 2126.271 $\pm$ 0.206 χ^2 /NDF: 539319.5/85

- sign 2129.285 $\pm$ 0.289 χ^2 /NDF: 258079.7/43

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug



Right In: -1615.017 $\pm$ 851.283 χ^2 /NDF: 22.7/17

Left Out: -1144.779 $\pm$ 302.490 χ^2 /NDF: 67.5/23

Right Out: -1360.451 $\pm$ 826.347 χ^2 /NDF: 13.0/20

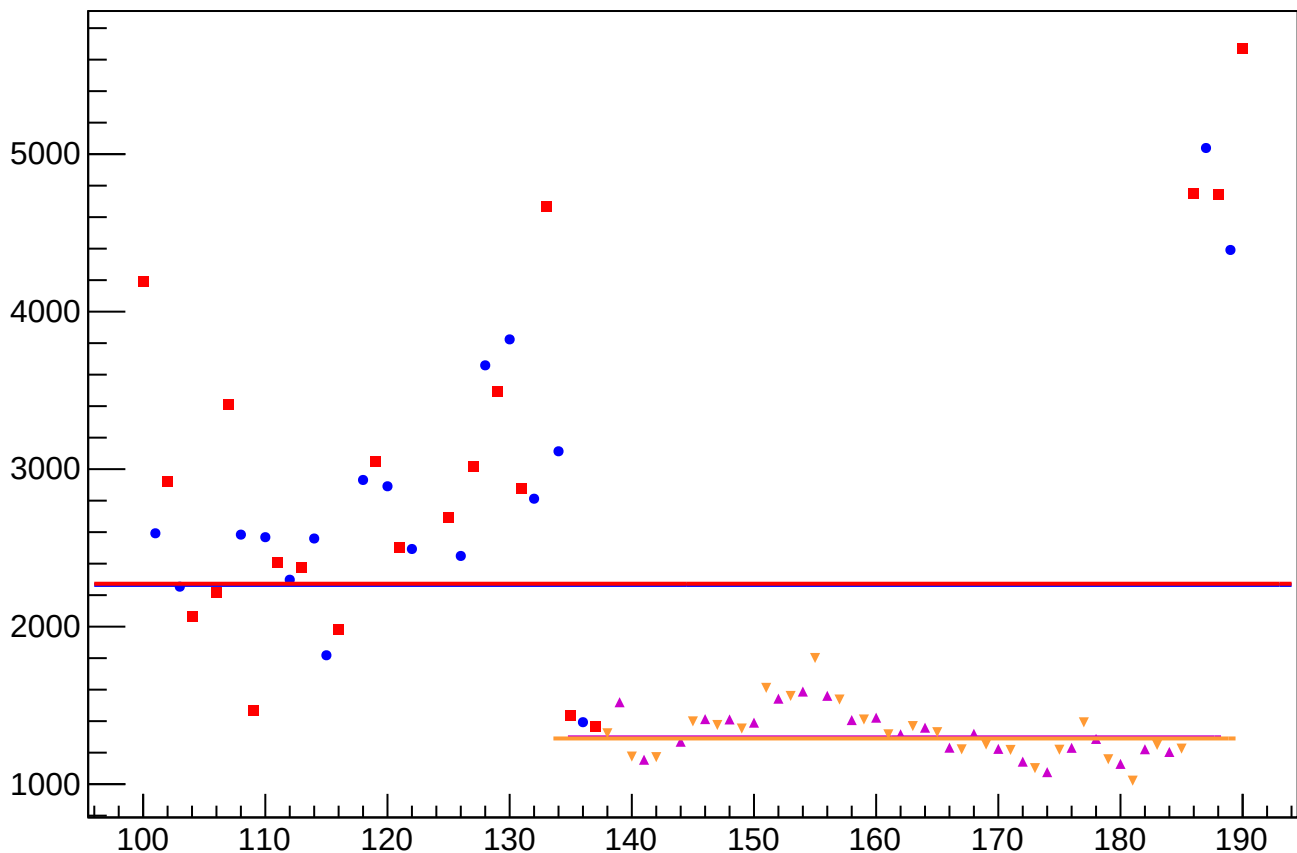
Left In: -373.186 $\pm$ 305.379 χ^2 /NDF: 20.3/22

+ sign -1197.497 $\pm$ 285.031 χ^2 /NDF: 90.5/41

All: -846.402 $\pm$ 202.045 χ^2 /NDF: 128.1/85

- sign -491.815 $\pm$ 286.445 χ^2 /NDF: 34.6/43

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug



Right In: 2264.999 $\pm$ 0.602 χ^2 /NDF: 1617060.5/17

Left Out: 1290.041 $\pm$ 0.214 χ^2 /NDF: 567883.5/23

Right Out: 2272.504 $\pm$ 0.584 χ^2 /NDF: 2475010.9/20

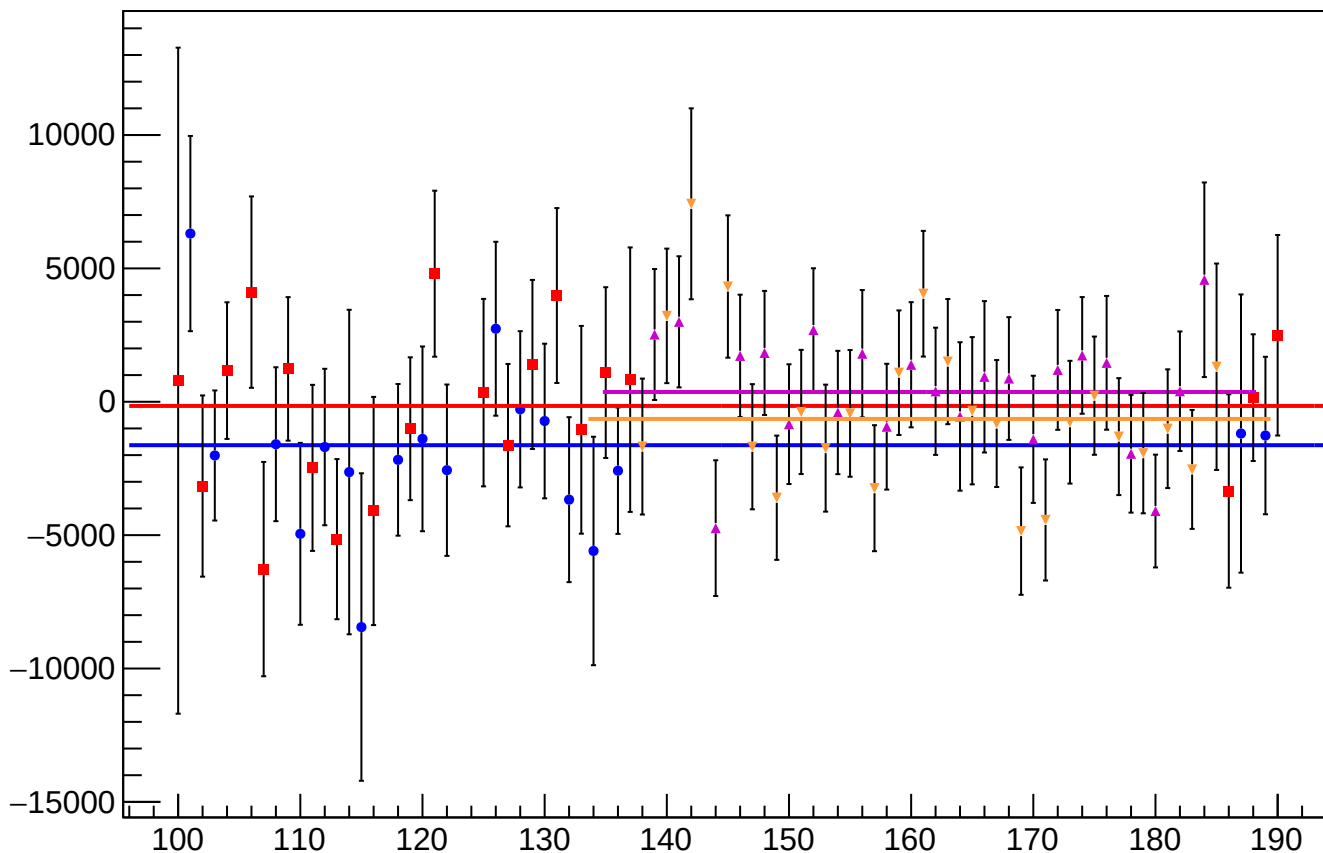
Left In: 1297.458 $\pm$ 0.216 χ^2 /NDF: 434006.2/22

+ sign 1399.341 $\pm$ 0.202 χ^2 /NDF: 4514184.0/41

All: 1406.942 $\pm$ 0.143 χ^2 /NDF: 9876023.9/85

- sign 1414.618 $\pm$ 0.203 χ^2 /NDF: 5358981.2/43

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1628.040 $\pm$ 756.981 χ^2 /NDF: 10.8/17

Left Out: -643.673 $\pm$ 493.681 χ^2 /NDF: 27.1/23

Right Out: -155.817 $\pm$ 717.047 χ^2 /NDF: 15.5/20

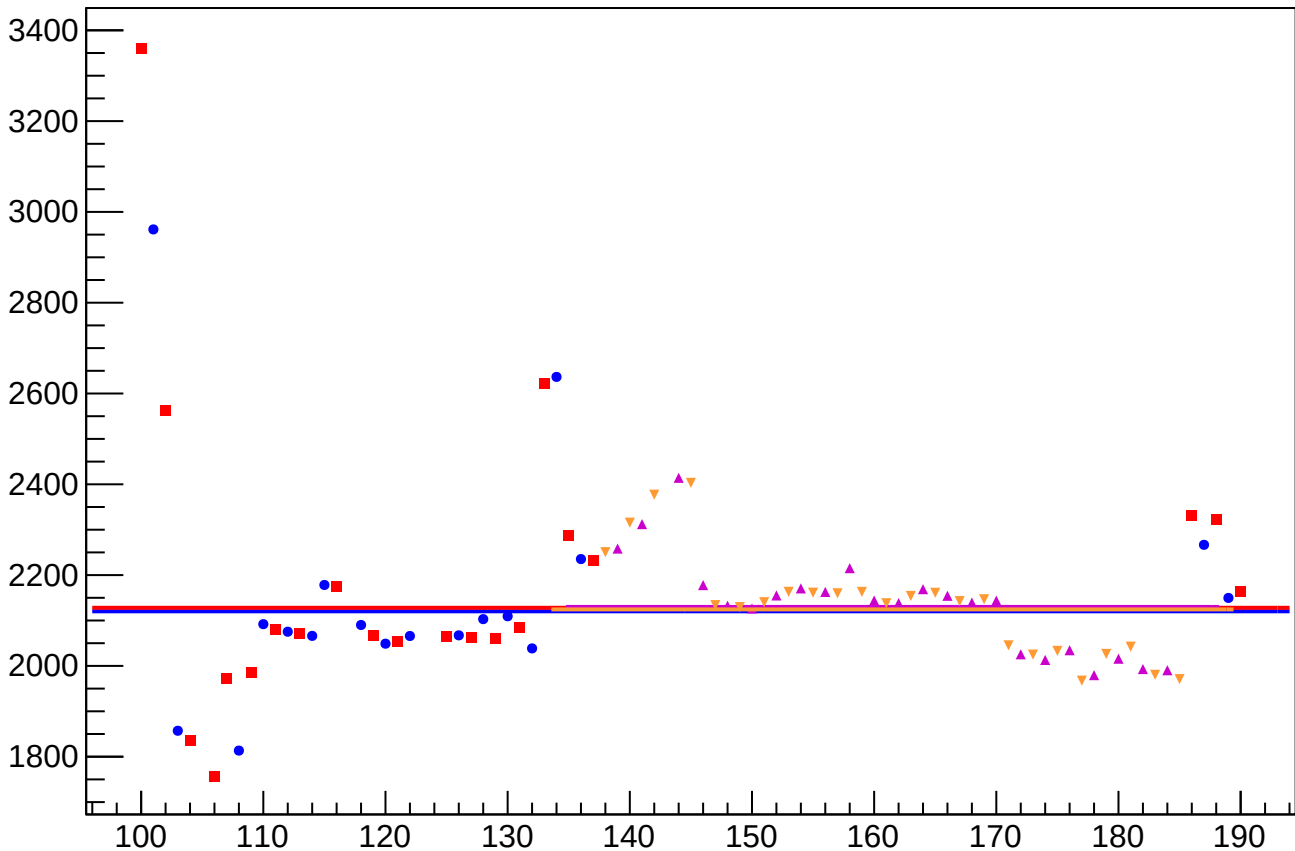
Left In: 366.649 $\pm$ 497.896 χ^2 /NDF: 17.3/22

+ sign -937.415 $\pm$ 413.513 χ^2 /NDF: 39.1/41

All: -364.101 $\pm$ 290.779 χ^2 /NDF: 76.1/85

- sign 196.688 $\pm$ 408.971 χ^2 /NDF: 33.1/43

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2120.255 $\pm$ 0.535 χ^2 /NDF: 191793.2/17

Left Out: 2124.437 $\pm$ 0.349 χ^2 /NDF: 89184.0/23

Right Out: 2128.017 $\pm$ 0.507 χ^2 /NDF: 172716.0/20

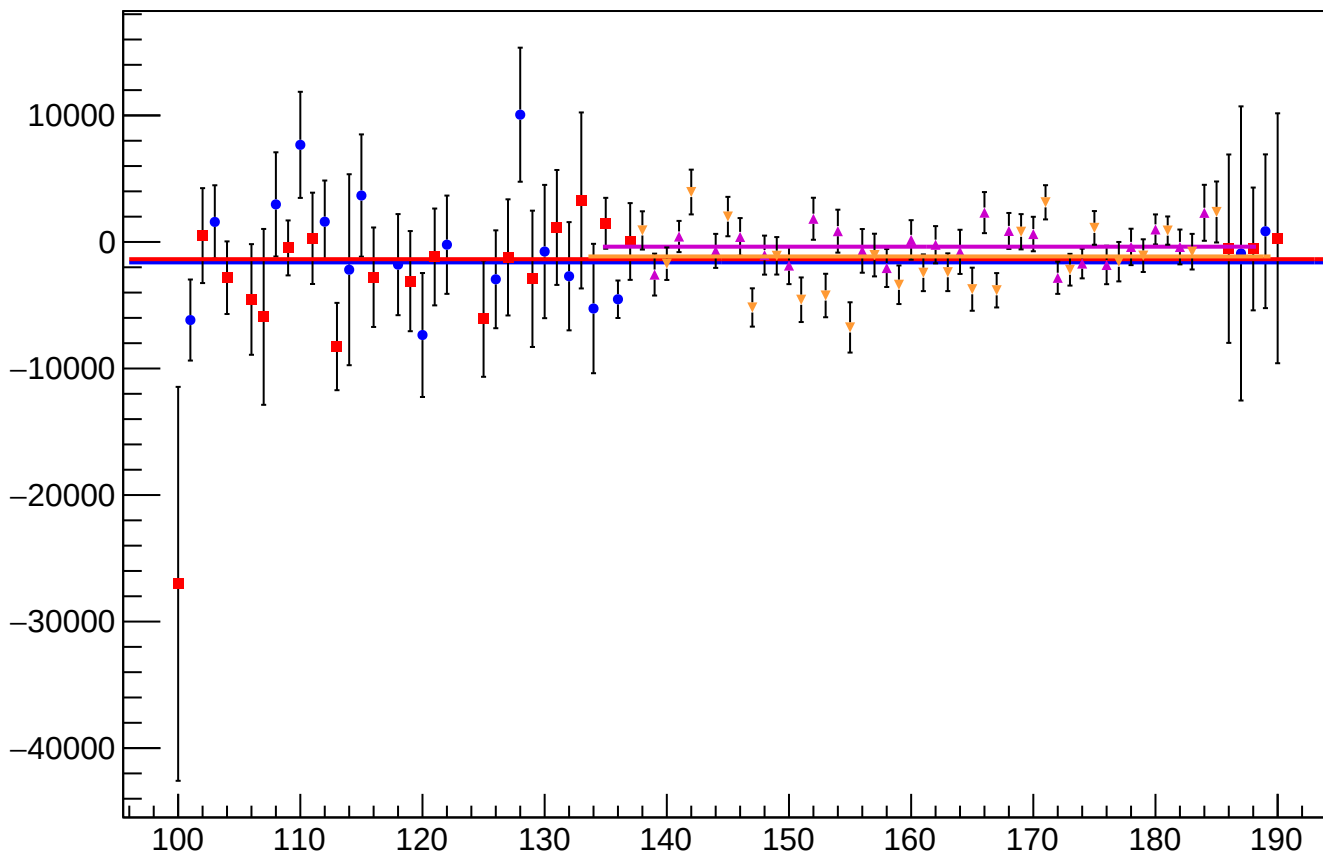
Left In: 2129.897 $\pm$ 0.352 χ^2 /NDF: 85354.4/22

+ sign 2123.189 $\pm$ 0.292 χ^2 /NDF: 281020.0/41

All: 2126.271 $\pm$ 0.206 χ^2 /NDF: 539319.5/85

- sign 2129.285 $\pm$ 0.289 χ^2 /NDF: 258079.7/43

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -1615.017 ± 851.283 χ^2/NDF : 22.7/17

Left Out: -1144.779 ± 302.490 χ^2/NDF : 67.5/23

Right Out: -1360.451 ± 826.347 χ^2/NDF : 13.0/20

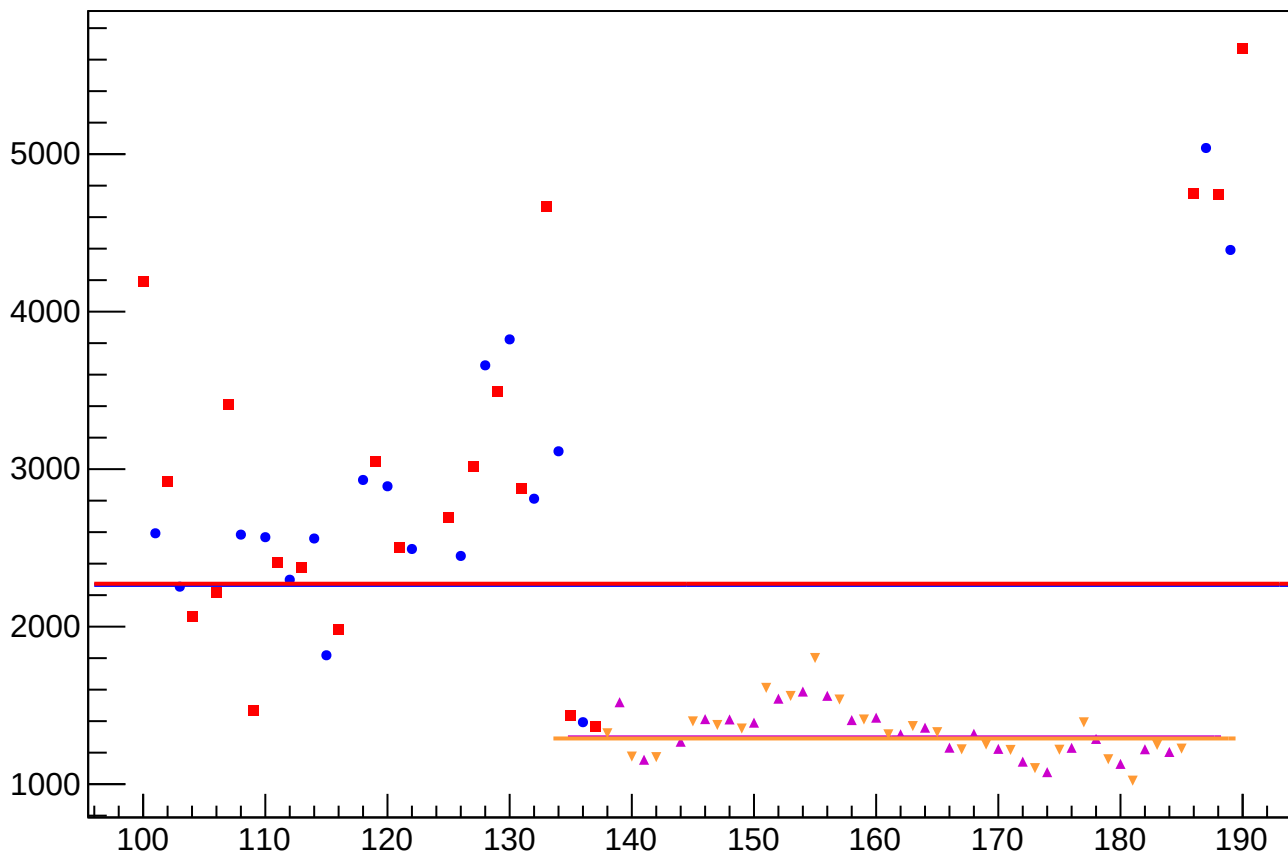
Left In: -373.186 ± 305.379 χ^2/NDF : 20.3/22

+ sign -1197.497 ± 285.031 χ^2/NDF : 90.5/41

All: -846.402 ± 202.045 χ^2/NDF : 128.1/85

- sign -491.815 ± 286.445 χ^2/NDF : 34.6/43

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 2264.999+/-0.602 χ^2/NDF : 1617060.5/17

Left Out: 1290.041+/-0.214 χ^2/NDF : 567883.5/23

Right Out: 2272.504+/-0.584 χ^2/NDF : 2475010.9/20

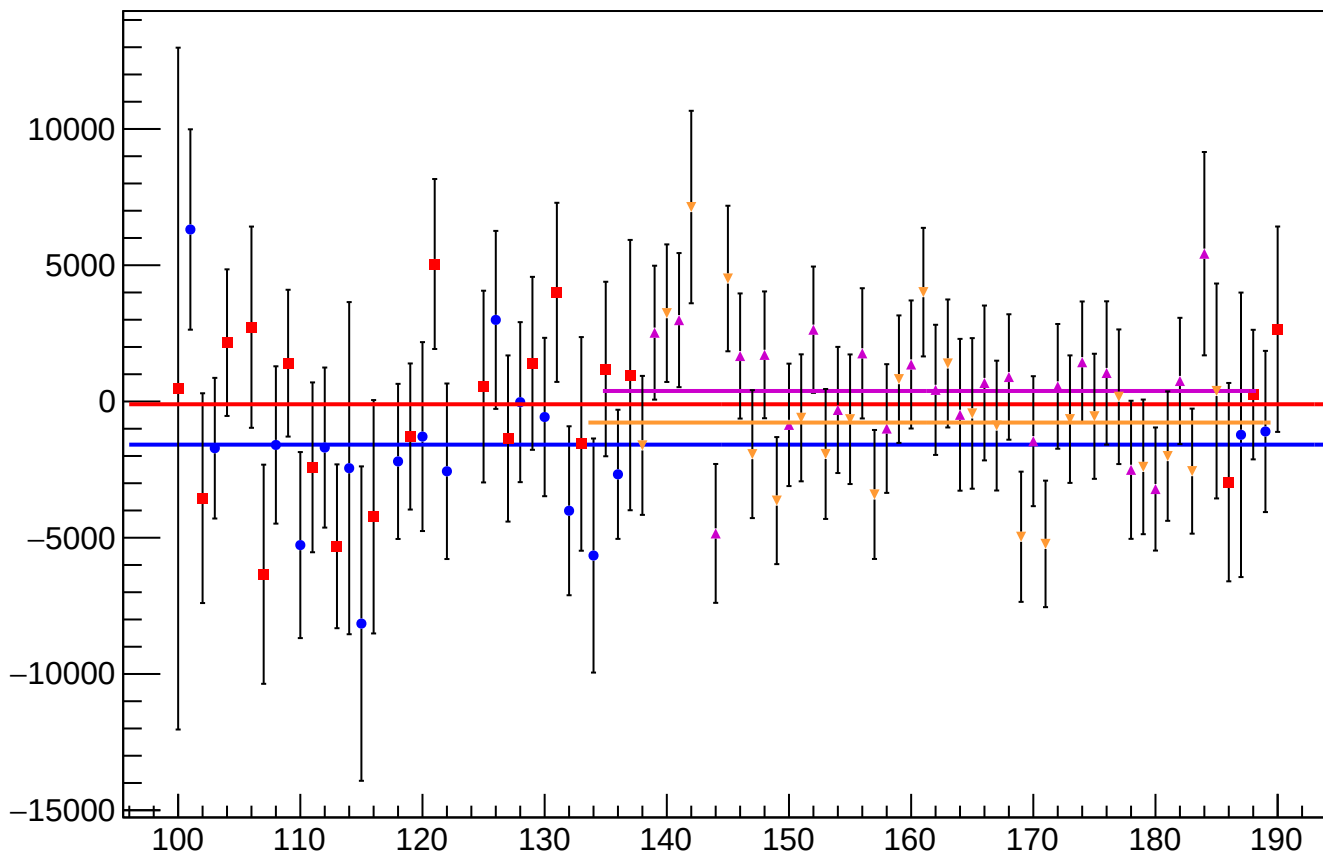
Left In: 1297.458+/-0.216 χ^2/NDF : 434006.2/22

+ sign 1399.341+/-0.202 χ^2/NDF : 4514184.0/41

All: 1406.942+/-0.143 χ^2/NDF : 9876023.9/85

- sign 1414.618+/-0.203 χ^2/NDF : 5358981.2/43

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1584.041 ± 762.168 χ^2/NDF : 11.4/17

Left Out: -773.579 ± 502.816 χ^2/NDF : 28.6/23

Right Out: -102.118 ± 725.195 χ^2/NDF : 15.7/20

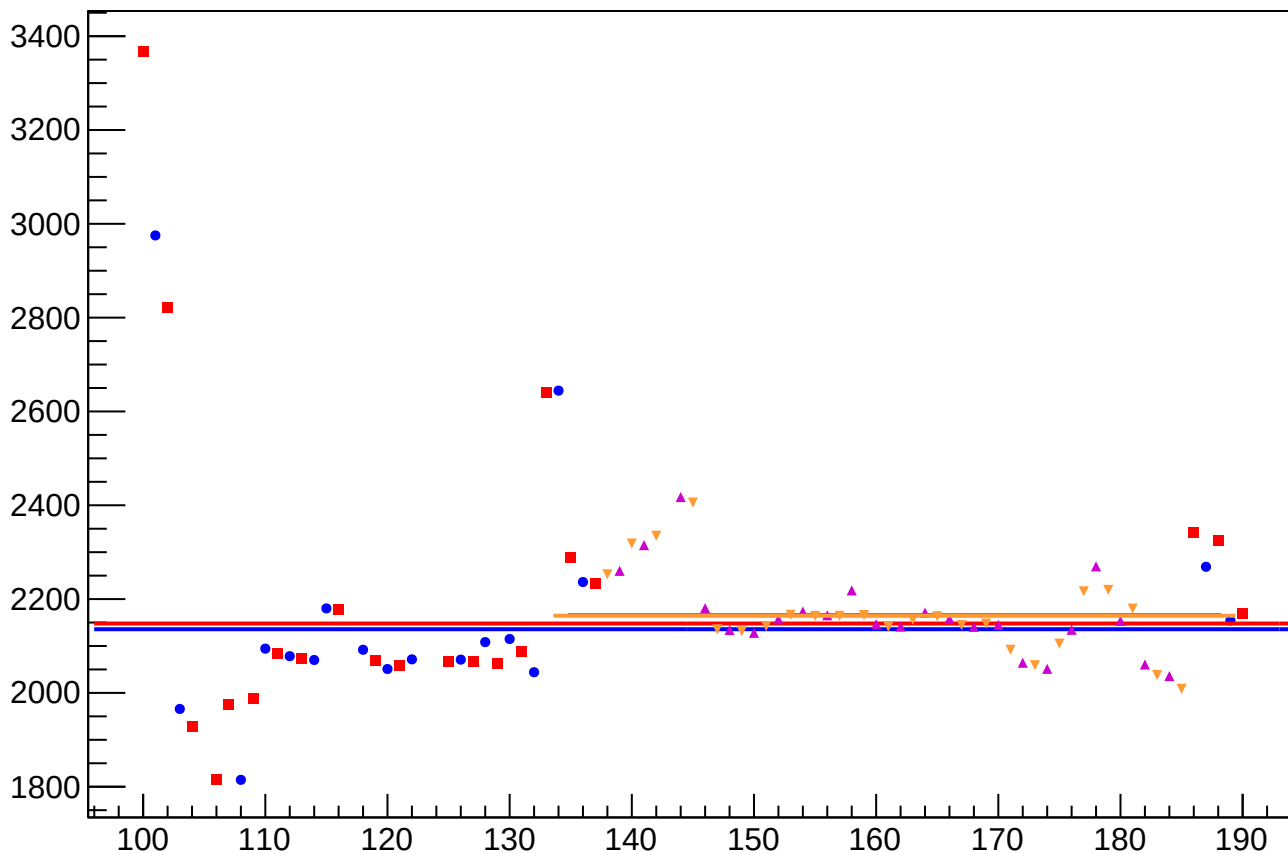
Left In: 385.269 ± 506.052 χ^2/NDF : 15.6/22

+ sign -1019.349 ± 419.710 χ^2/NDF : 40.7/41

All: -389.820 ± 295.100 χ^2/NDF : 76.8/85

- sign 225.659 ± 415.000 χ^2/NDF : 31.7/43

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2135.768 $\pm$ 0.539 χ^2 /NDF: 177385.5/17

Left Out: 2164.532 $\pm$ 0.356 χ^2 /NDF: 50676.3/23

Right Out: 2147.905 $\pm$ 0.513 χ^2 /NDF: 183272.1/20

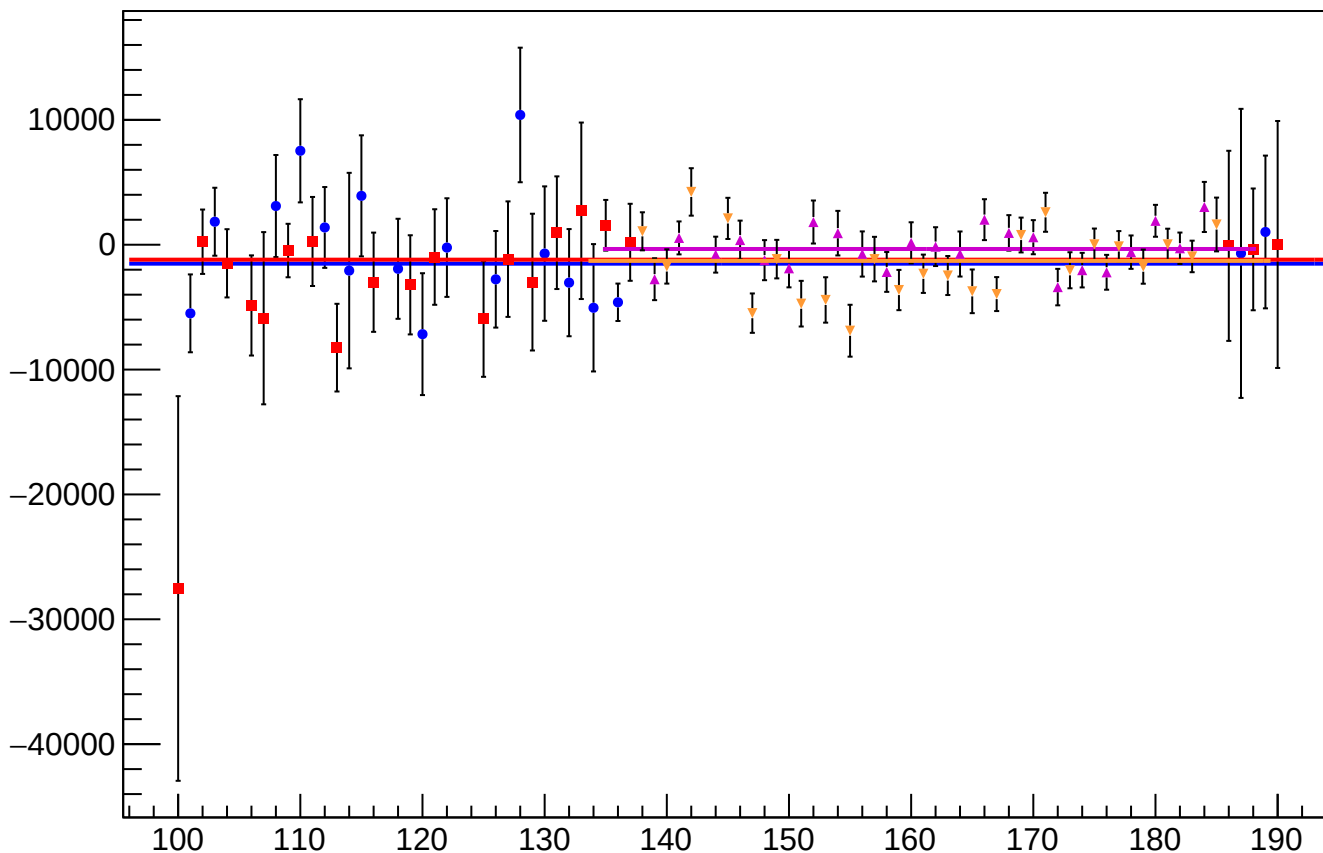
Left In: 2165.643 $\pm$ 0.358 χ^2 /NDF: 52124.5/22

+ sign 2155.809 $\pm$ 0.297 χ^2 /NDF: 230046.6/41

All: 2157.845 $\pm$ 0.209 χ^2 /NDF: 466340.9/85

- sign 2159.834 $\pm$ 0.293 χ^2 /NDF: 236201.3/43

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug



Right In: -1516.404 $\pm$ 849.093 χ^2 /NDF: 22.8/17

Left Out: -1293.716 $\pm$ 310.622 χ^2 /NDF: 58.7/23

Right Out: -1196.535 $\pm$ 801.269 χ^2 /NDF: 13.1/20

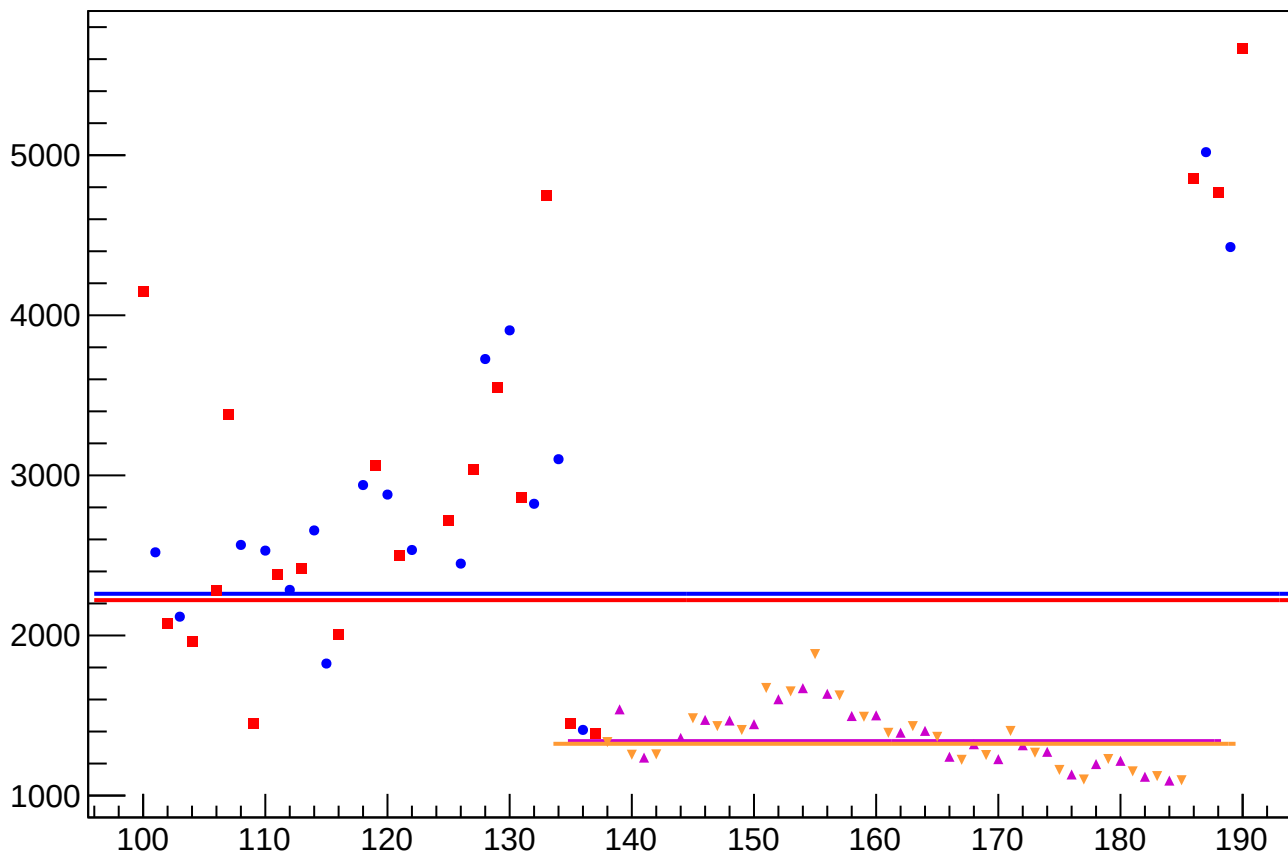
Left In: -341.259 $\pm$ 315.566 χ^2 /NDF: 24.8/22

+ sign -1320.001 $\pm$ 291.715 χ^2 /NDF: 81.5/41

All: -890.858 $\pm$ 206.942 χ^2 /NDF: 124.8/85

- sign -456.103 $\pm$ 293.616 χ^2 /NDF: 38.9/43

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2260.377+/-0.600 χ^2/NDF : 1596349.9/17

Left Out: 1323.402+/-0.220 χ^2/NDF : 663859.2/23

Right Out: 2220.721+/-0.567 χ^2/NDF : 2450103.1/20

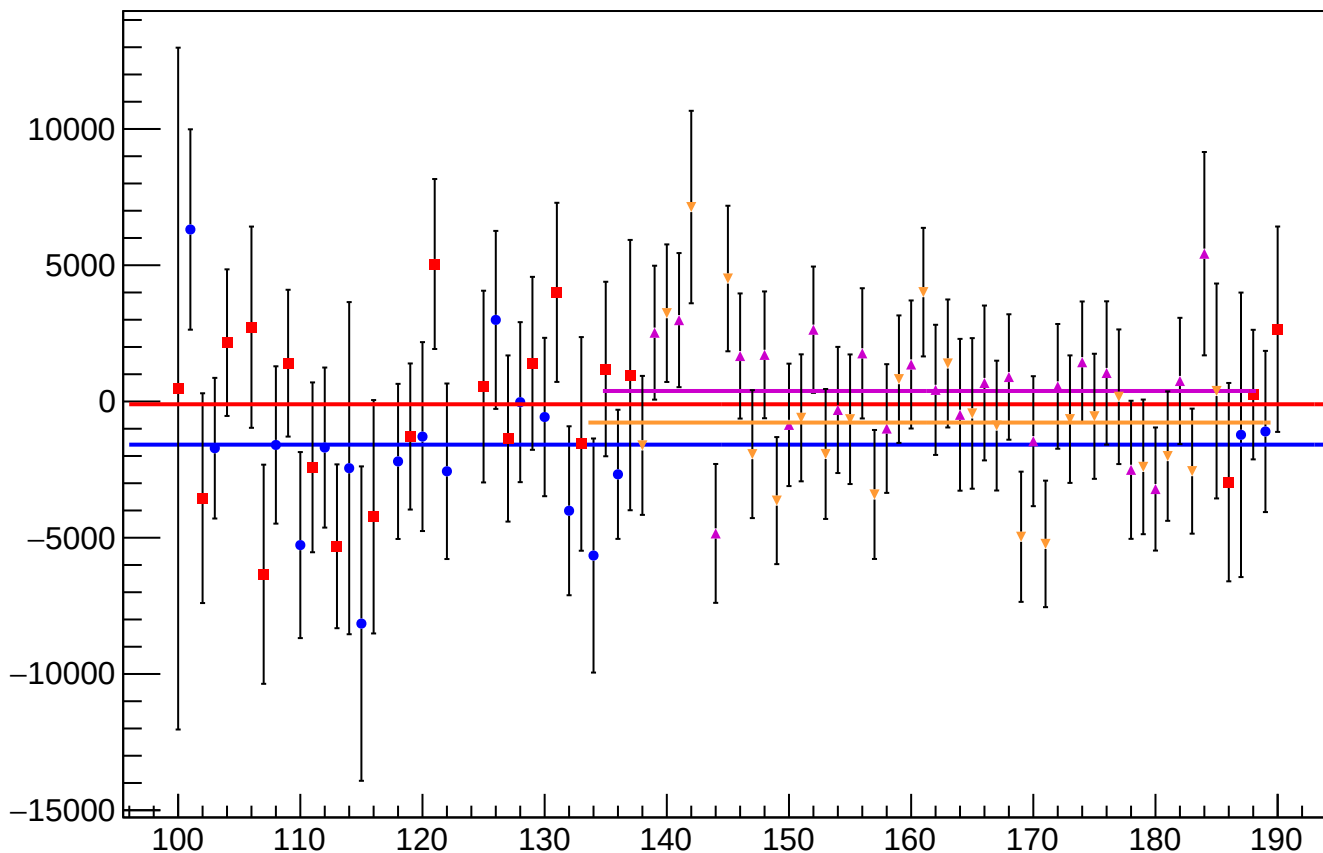
Left In: 1340.084+/-0.223 χ^2/NDF : 494267.4/22

+ sign 1433.997+/-0.206 χ^2/NDF : 4408173.3/41

All: 1446.086+/-0.146 χ^2/NDF : 9450898.6/85

- sign 1458.334+/-0.208 χ^2/NDF : 5035810.4/43

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1584.043 $\pm$ 762.168 χ^2/NDF : 11.4/17

Left Out: -773.576 $\pm$ 502.816 χ^2/NDF : 28.6/23

Right Out: -102.115 $\pm$ 725.195 χ^2/NDF : 15.7/20

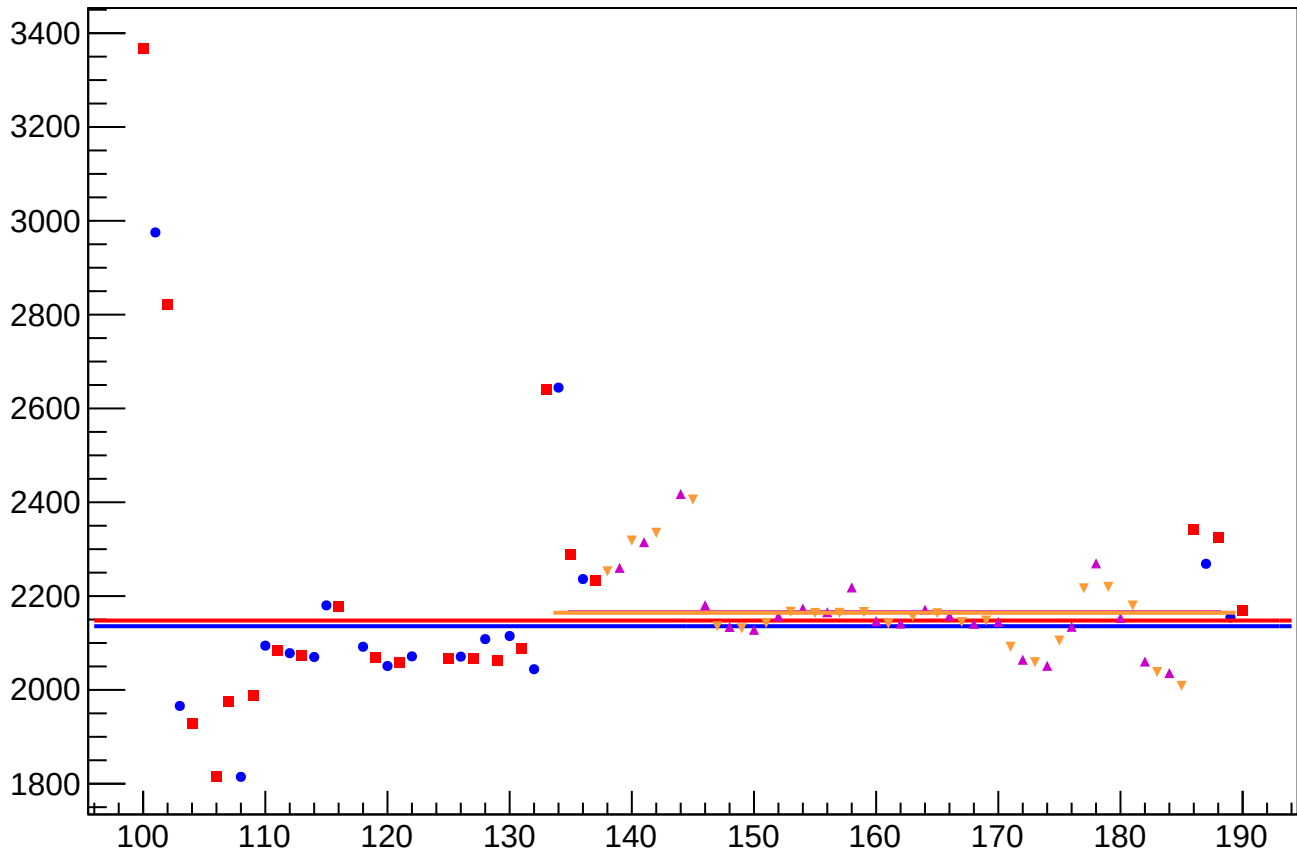
Left In: 385.269 $\pm$ 506.052 χ^2/NDF : 15.6/22

+ sign -1019.348 $\pm$ 419.709 χ^2/NDF : 40.7/41

All: -389.819 $\pm$ 295.100 χ^2/NDF : 76.8/85

- sign 225.660 $\pm$ 415.000 χ^2/NDF : 31.7/43

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2135.767 $\pm$ 0.539 χ^2 /NDF: 177385.5/17

Left Out: 2164.532 $\pm$ 0.356 χ^2 /NDF: 50676.3/23

Right Out: 2147.905 $\pm$ 0.513 χ^2 /NDF: 183272.0/20

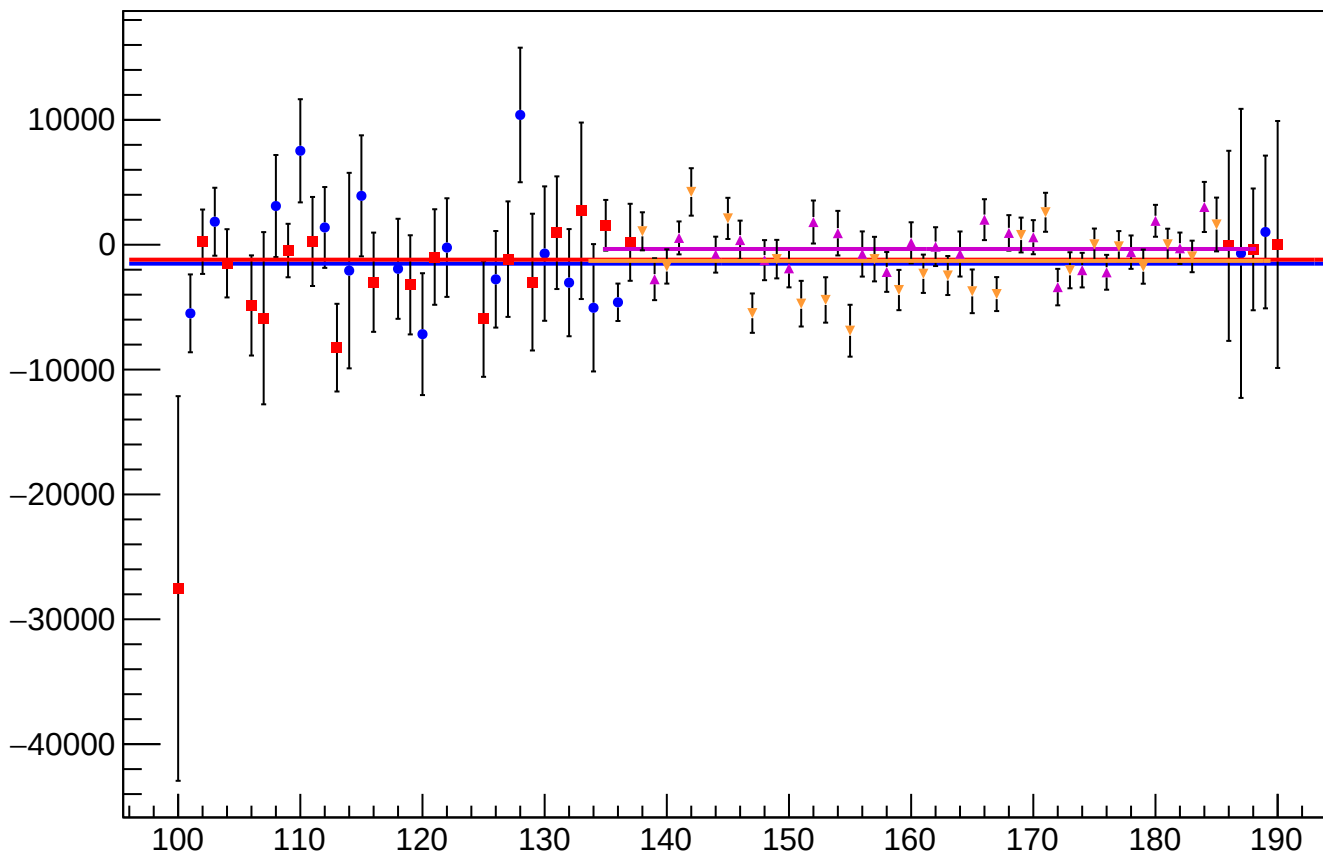
Left In: 2165.643 $\pm$ 0.358 χ^2 /NDF: 52124.4/22

+ sign 2155.809 $\pm$ 0.297 χ^2 /NDF: 230046.6/41

All: 2157.844 $\pm$ 0.209 χ^2 /NDF: 466340.8/85

- sign 2159.834 $\pm$ 0.293 χ^2 /NDF: 236201.2/43

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -1516.391 $\pm$ 849.096 χ^2 /NDF: 22.8/17

Left Out: -1293.717 $\pm$ 310.622 χ^2 /NDF: 58.7/23

Right Out: -1196.549 $\pm$ 801.272 χ^2 /NDF: 13.1/20

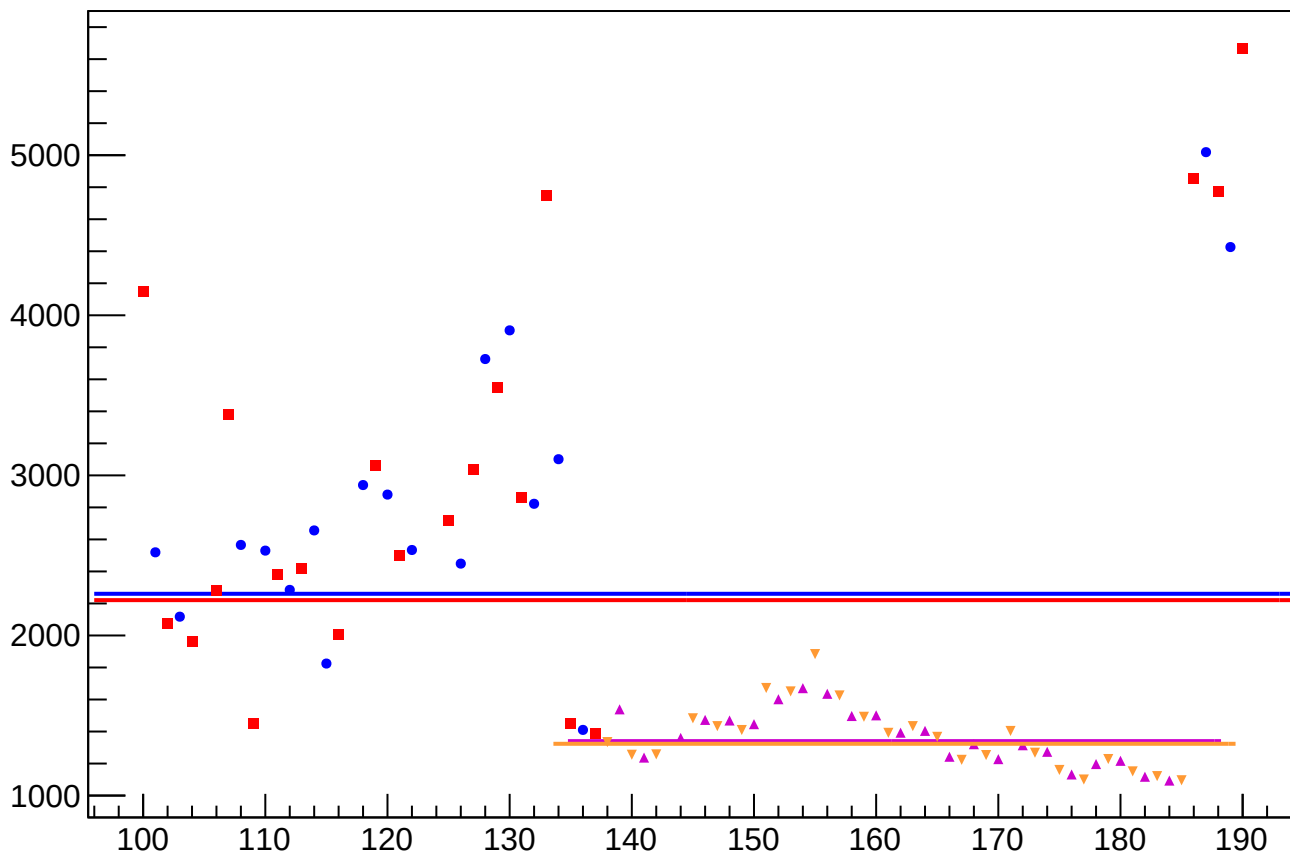
Left In: -341.256 $\pm$ 315.566 χ^2 /NDF: 24.8/22

+ sign -1320.000 $\pm$ 291.715 χ^2 /NDF: 81.5/41

All: -890.857 $\pm$ 206.942 χ^2 /NDF: 124.8/85

- sign -456.102 $\pm$ 293.616 χ^2 /NDF: 38.9/43

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 2260.389+/-0.600 χ^2/NDF : 1596287.2/17

Left Out: 1323.402+/-0.220 χ^2/NDF : 663857.6/23

Right Out: 2220.733+/-0.567 χ^2/NDF : 2450047.8/20

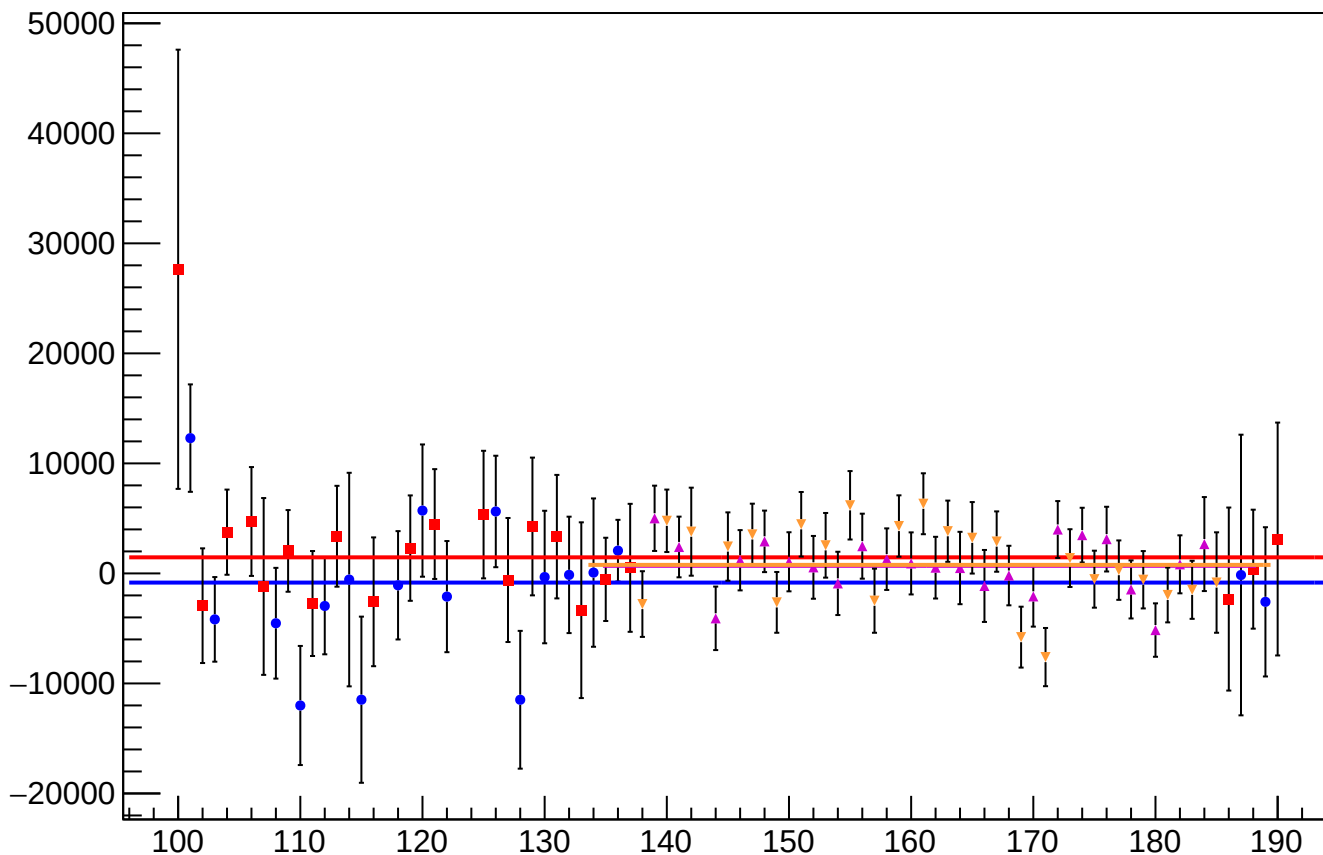
Left In: 1340.083+/-0.223 χ^2/NDF : 494276.1/22

+ sign 1433.997+/-0.206 χ^2/NDF : 4408154.3/41

All: 1446.086+/-0.146 χ^2/NDF : 9450886.2/85

- sign 1458.333+/-0.208 χ^2/NDF : 5035817.5/43

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -833.786 ± 1215.847 χ^2/NDF : 22.0/17

Left Out: 774.788 ± 583.692 χ^2/NDF : 39.3/23

Right Out: 1460.640 ± 1169.931 χ^2/NDF : 7.0/20

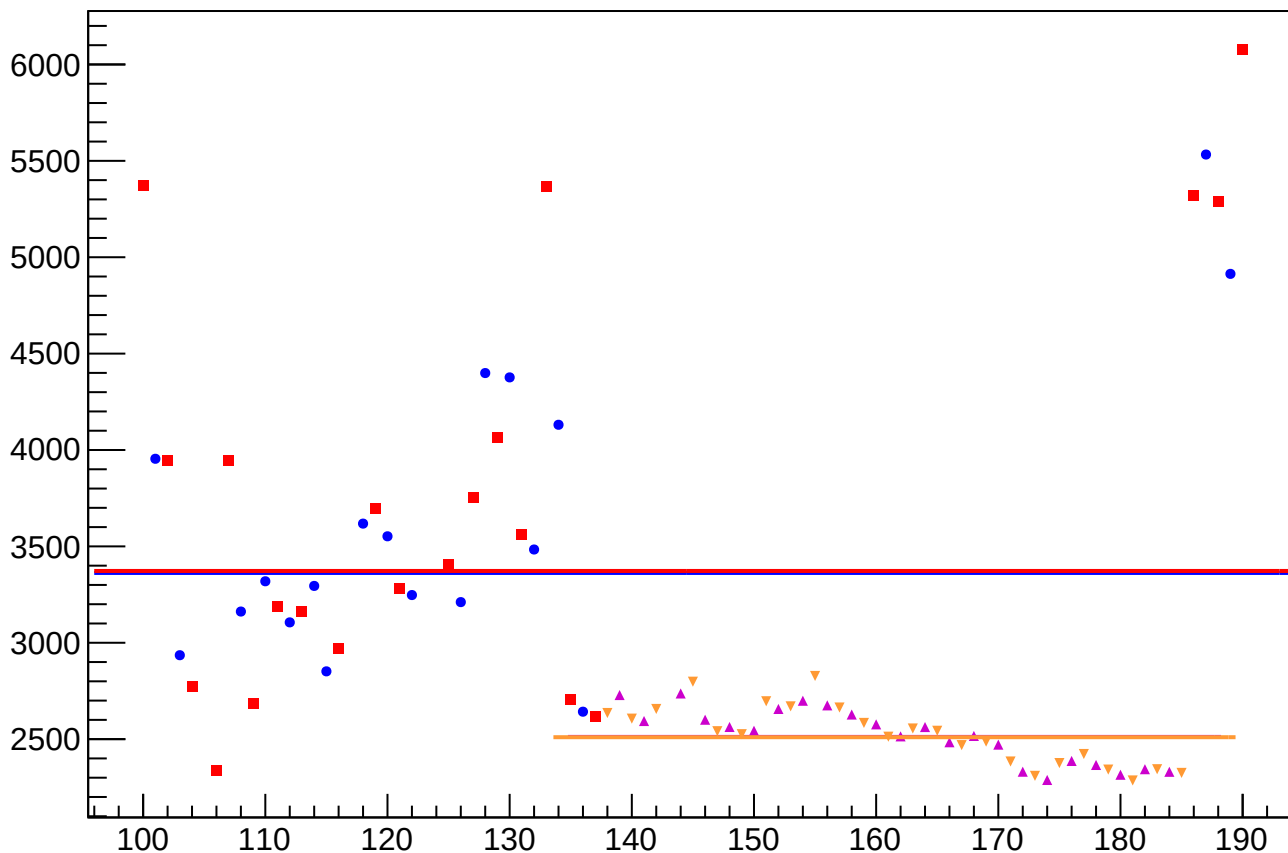
Left In: 689.981 ± 587.431 χ^2/NDF : 18.3/22

+ sign 473.500 ± 526.198 χ^2/NDF : 62.7/41

All: 659.760 ± 371.643 χ^2/NDF : 88.7/85

- sign 845.152 ± 524.971 χ^2/NDF : 25.7/43

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3362.267 $\pm$ 0.860 χ^2 /NDF: 517006.5/17

Left Out: 2510.069 $\pm$ 0.413 χ^2 /NDF:128632.5/23

Right Out: 3372.509 $\pm$ 0.827 χ^2 /NDF: 1032933.2/20

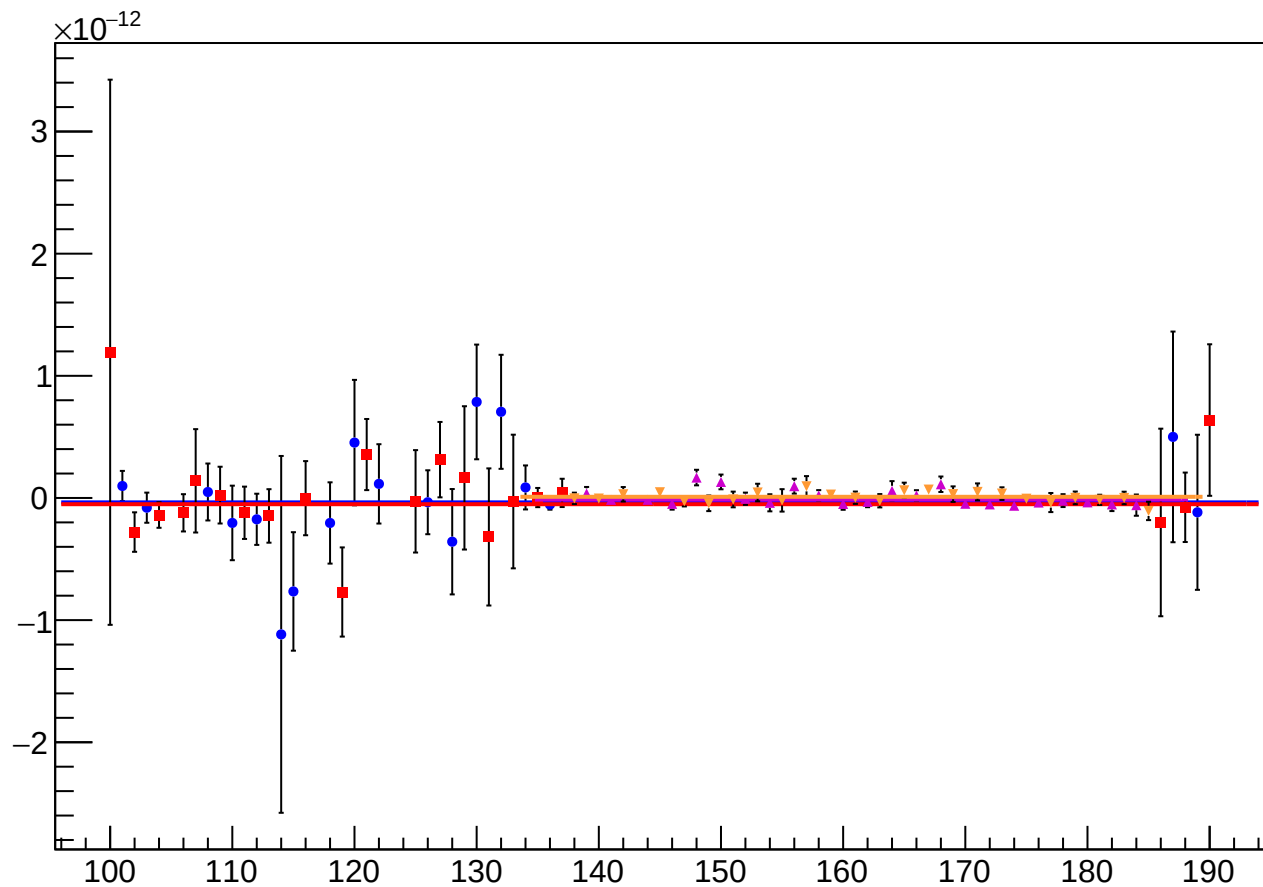
Left In: 2511.613 $\pm$ 0.415 χ^2 /NDF:113485.5/22

+ sign 2669.687 $\pm$ 0.372 χ^2 /NDF: 1444156.6/41

All: 2677.340 $\pm$ 0.263 χ^2 /NDF: 3456341.9/85

- sign 2684.957 $\pm$ 0.371 χ^2 /NDF: 2011341.2/43

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 13.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 12.2/23

Right Out: -0.000+/-0.000 χ^2/NDF : 13.9/20

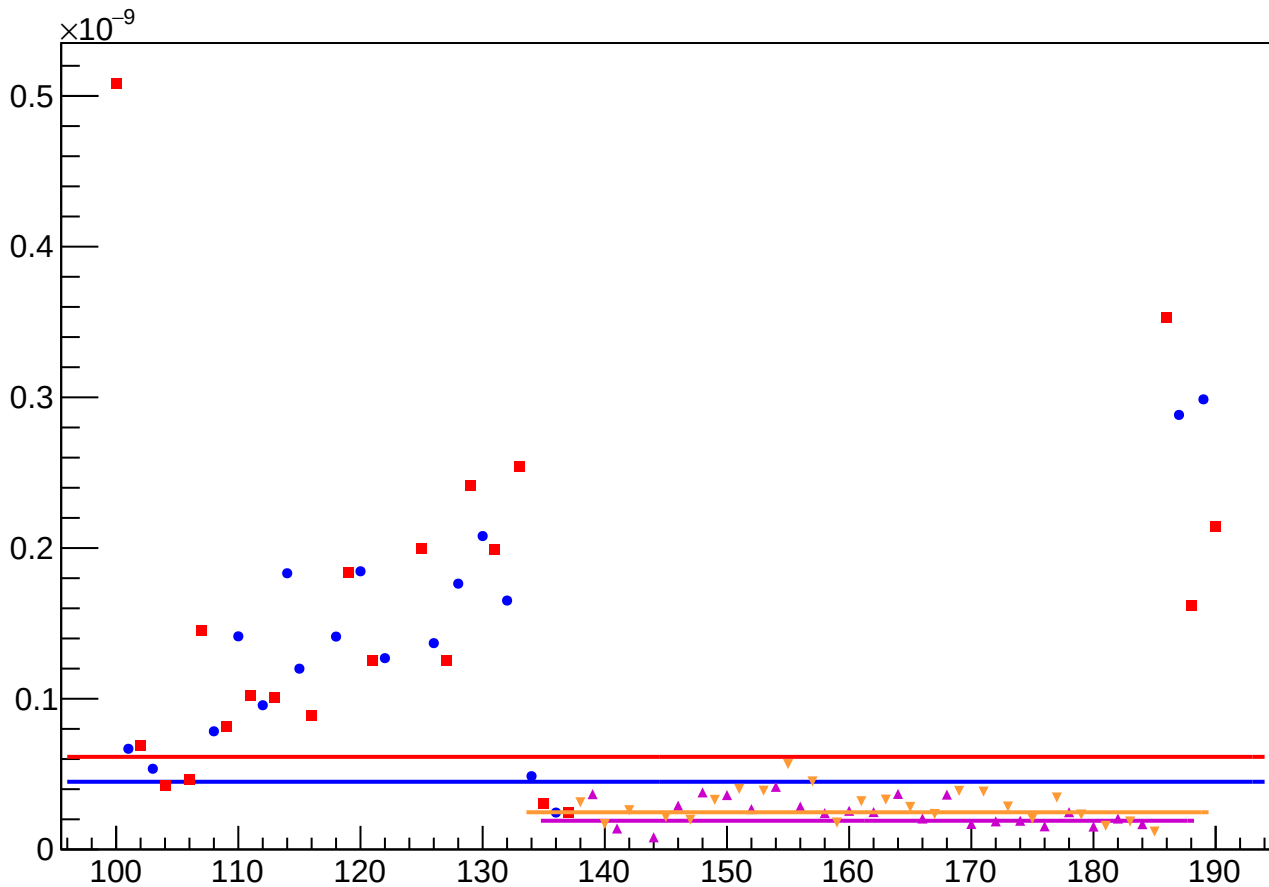
Left In: -0.000+/-0.000 χ^2/NDF : 30.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 27.4/41

All: -0.000+/-0.000 χ^2/NDF : 75.5/85

- sign -0.000+/-0.000 χ^2/NDF : 45.6/43

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2708979.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1413212.9/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2762906.2/20

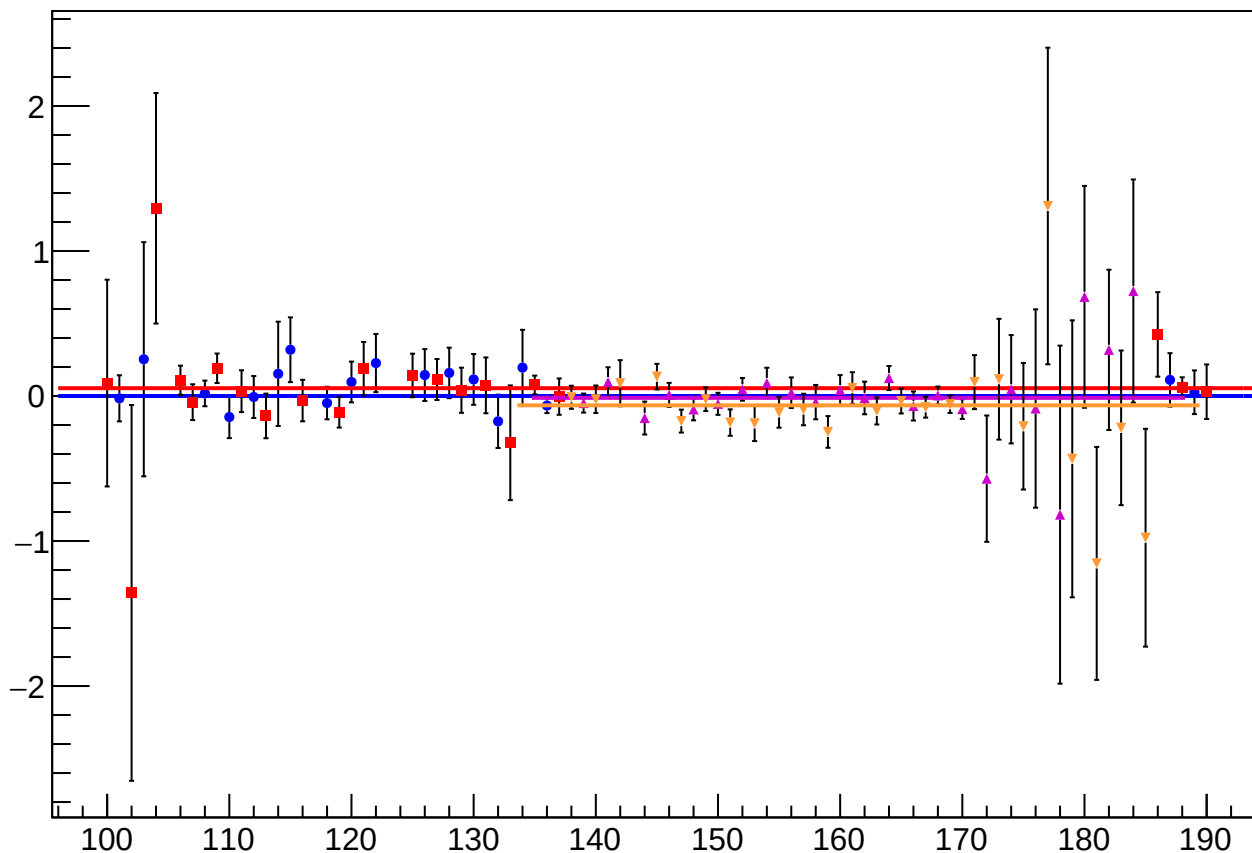
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2190334.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4764382.5/41

All: 0.000 $\pm$ 0.000 χ^2/NDF : 12002167.5/85

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 6850955.9/43

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.031 χ^2/NDF : 10.7/17

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.054 ± 0.028 χ^2/NDF : 14.7/20

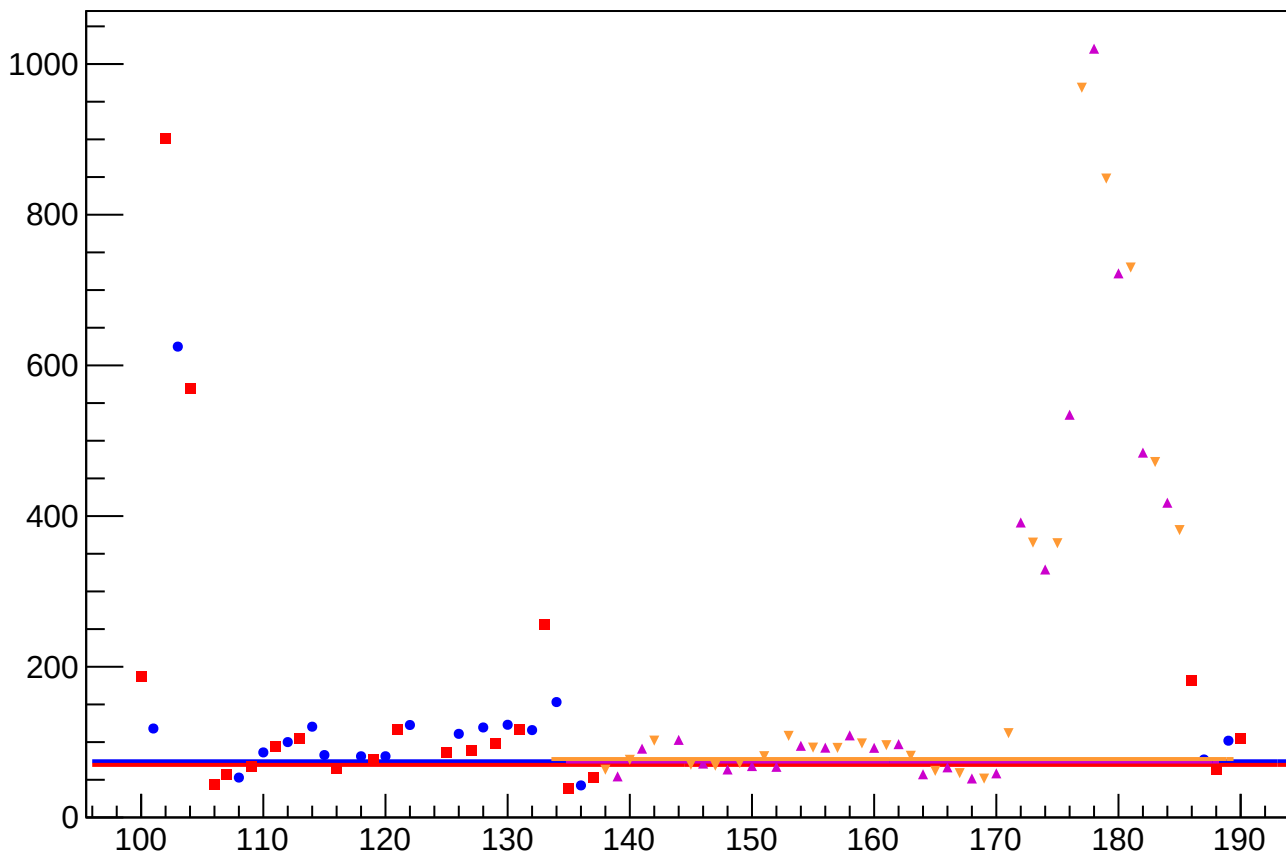
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.043 ± 0.018 χ^2/NDF : 35.9/41

All: -0.014 ± 0.012 χ^2/NDF : 73.9/85

- sign 0.011 ± 0.017 χ^2/NDF : 33.3/43

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 74.558 $\pm$ 0.022 χ^2 /NDF: 2924082.8/17

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF: 8331194.0/23

Right Out: 69.782 $\pm$ 0.020 χ^2 /NDF: 3712130.3/20

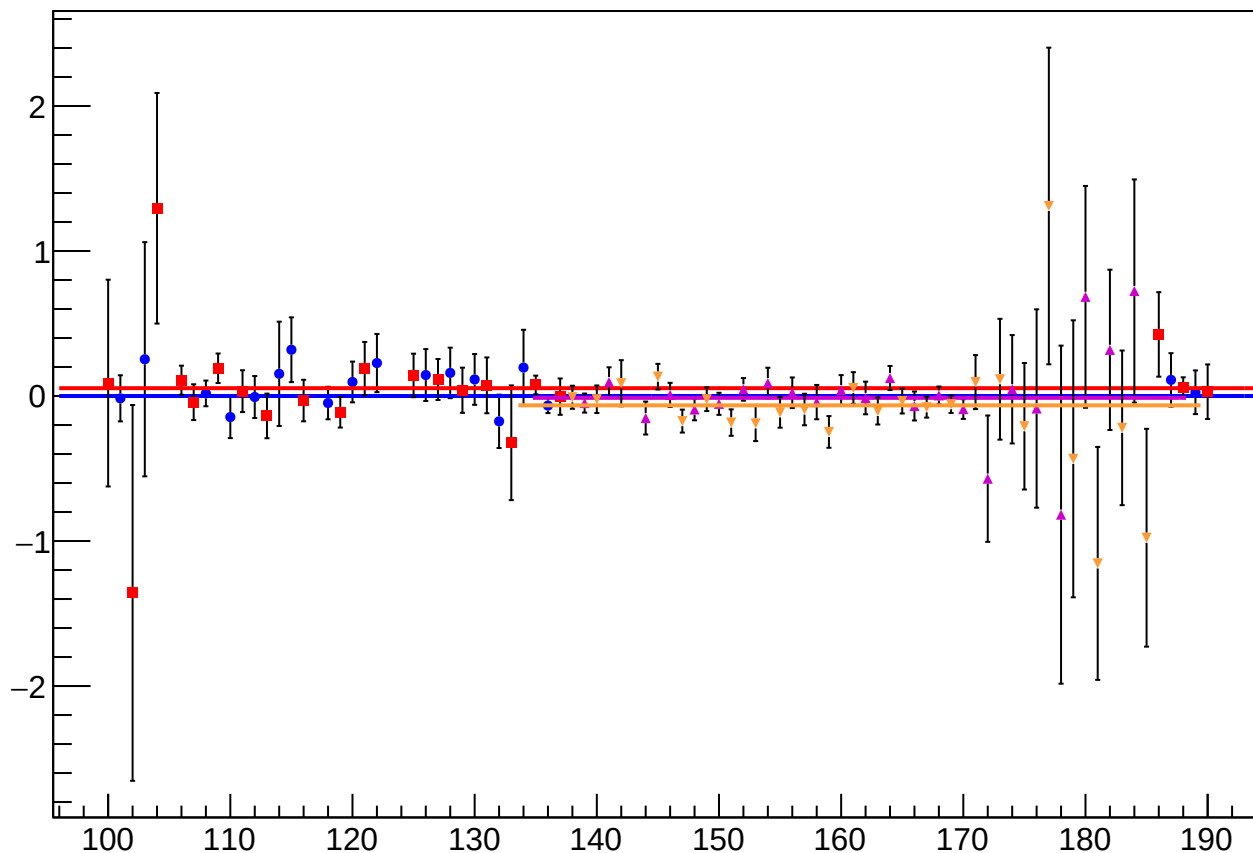
Left In: 74.216 $\pm$ 0.015 χ^2 /NDF: 8514080.5/22

+ sign 76.533 $\pm$ 0.013 χ^2 /NDF: 11267459.0/41

All: 74.470 $\pm$ 0.009 χ^2 /NDF: 23574475.4/85

- sign 72.641 $\pm$ 0.012 χ^2 /NDF: 12257518.4/43

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.031 χ^2/NDF : 10.7/17

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.054 ± 0.028 χ^2/NDF : 14.7/20

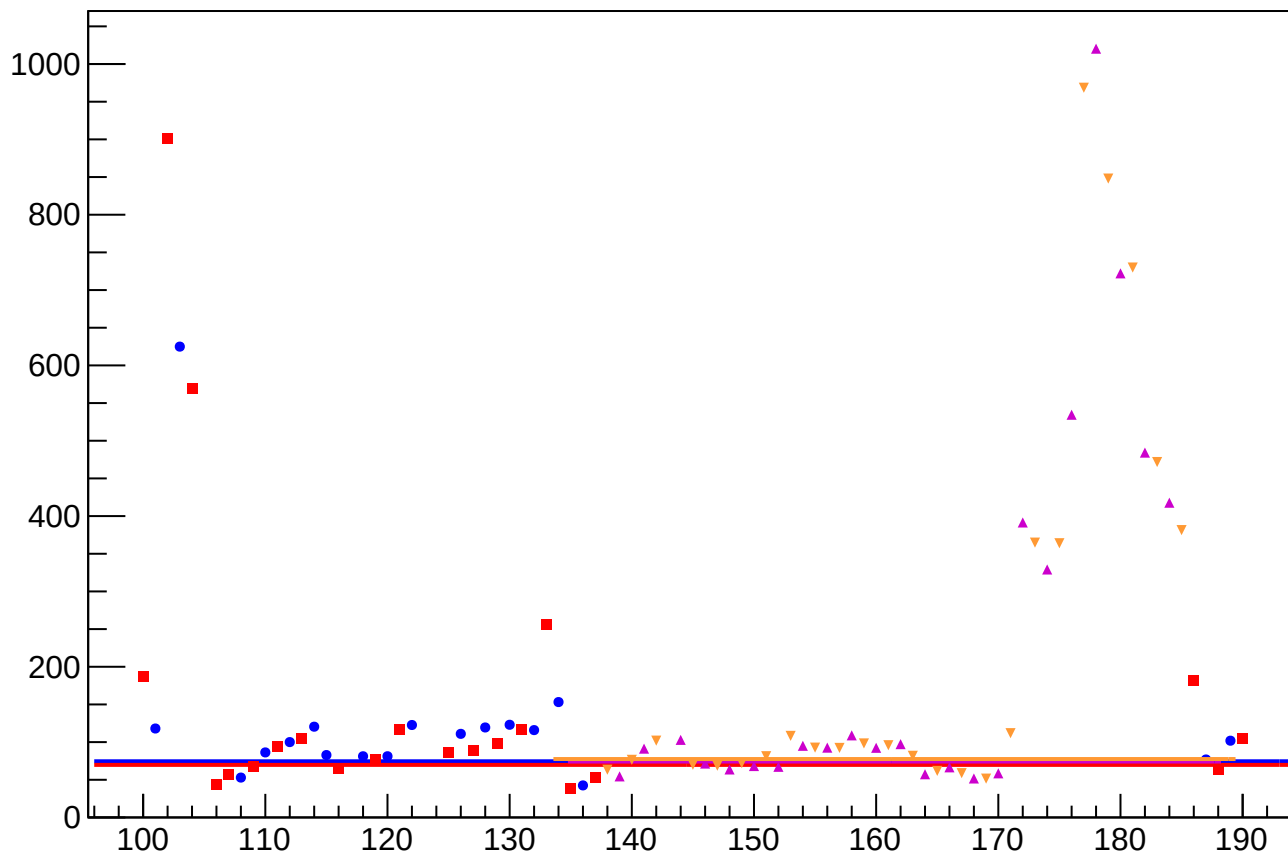
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.043 ± 0.018 χ^2/NDF : 35.9/41

All: -0.014 ± 0.012 χ^2/NDF : 73.9/85

- sign 0.011 ± 0.017 χ^2/NDF : 33.3/43

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 74.558 $\pm$ 0.022 χ^2 /NDF: 2924082.8/17

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF: 8331194.0/23

Right Out: 69.782 $\pm$ 0.020 χ^2 /NDF: 3712130.3/20

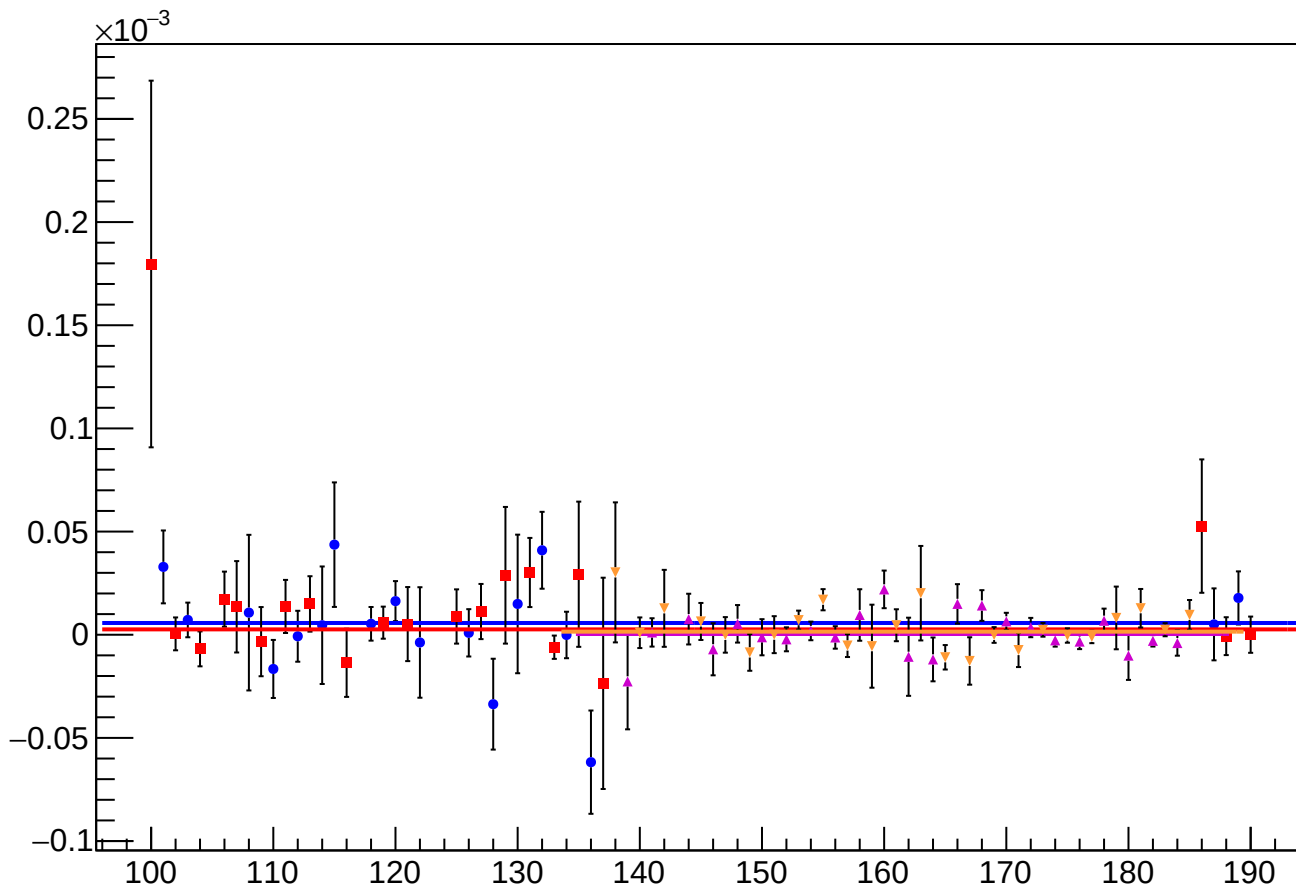
Left In: 74.216 $\pm$ 0.015 χ^2 /NDF: 8514080.5/22

+ sign 76.533 $\pm$ 0.013 χ^2 /NDF: 11267459.0/41

All: 74.470 $\pm$ 0.009 χ^2 /NDF: 23574475.4/85

- sign 72.641 $\pm$ 0.012 χ^2 /NDF: 12257518.4/43

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 23.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 27.1/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 19.4/20

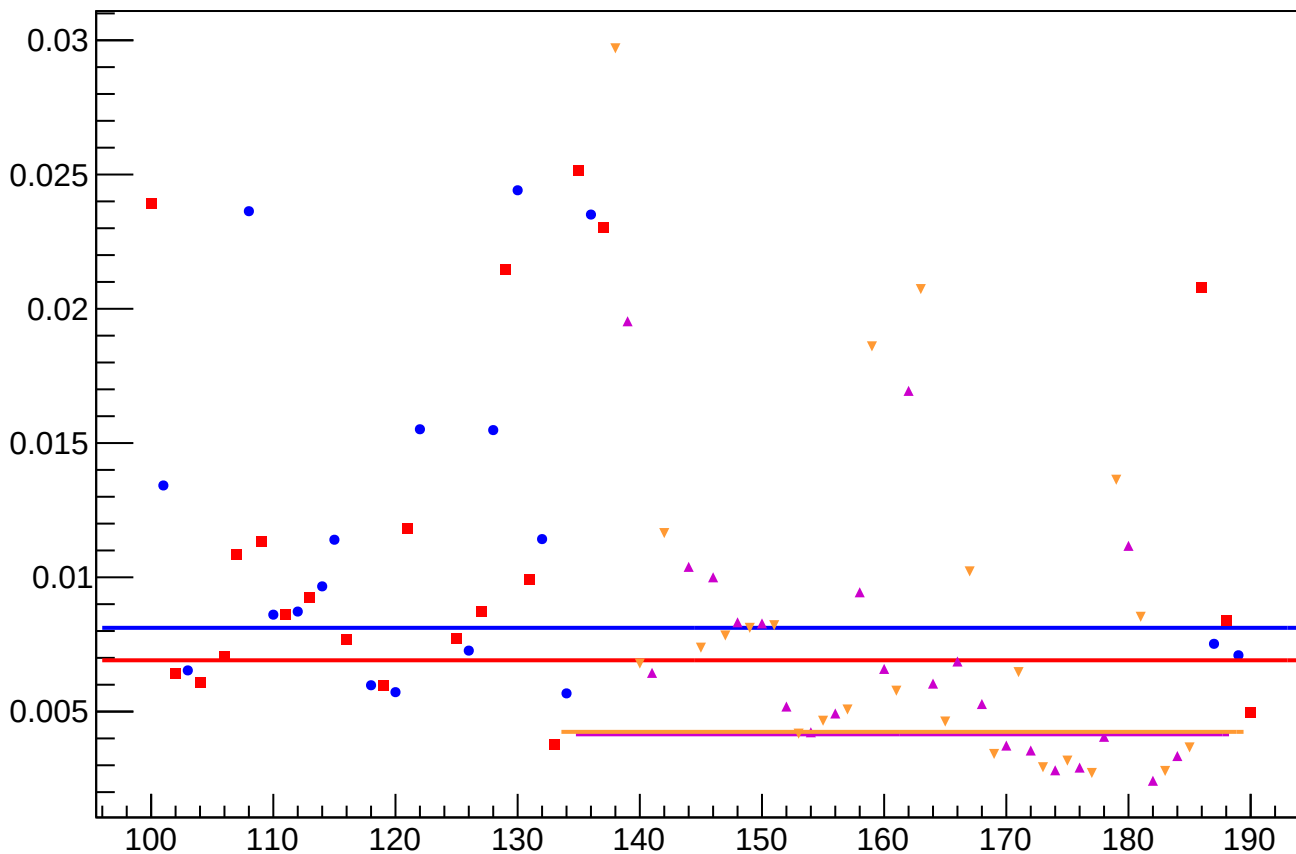
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 24.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 52.1/41

All: 0.000 $\pm$ 0.000 χ^2/NDF : 97.3/85

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 44.6/43

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 2672709.1/17

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 8650909.7/23

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 2944493.1/20

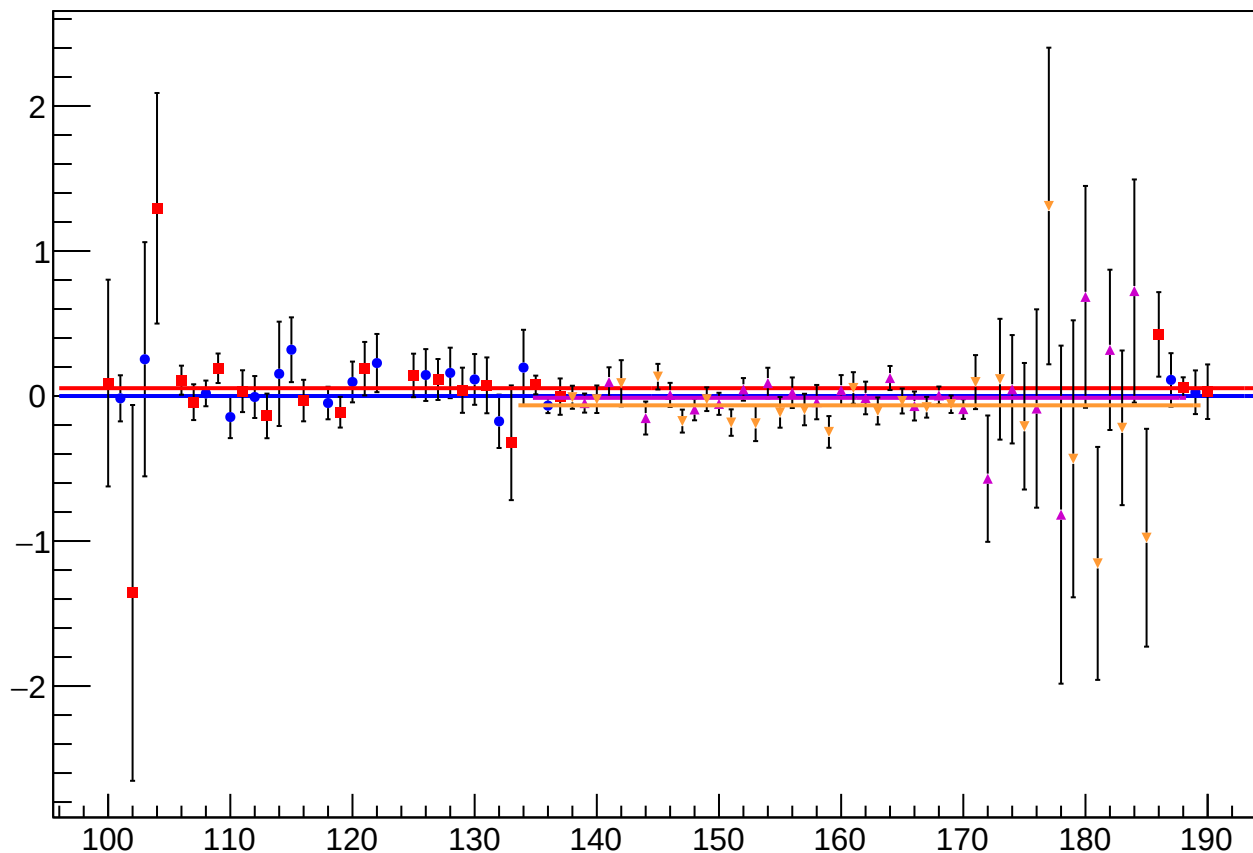
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 6886421.5/22

+ sign 0.005 $\pm$ 0.000 χ^2/NDF : 13766469.7/41

All: 0.005 $\pm$ 0.000 χ^2/NDF : 25483302.4/85

- sign 0.005 $\pm$ 0.000 χ^2/NDF : 11715903.4/43

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.031 χ^2/NDF : 10.7/17

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.054 ± 0.028 χ^2/NDF : 14.7/20

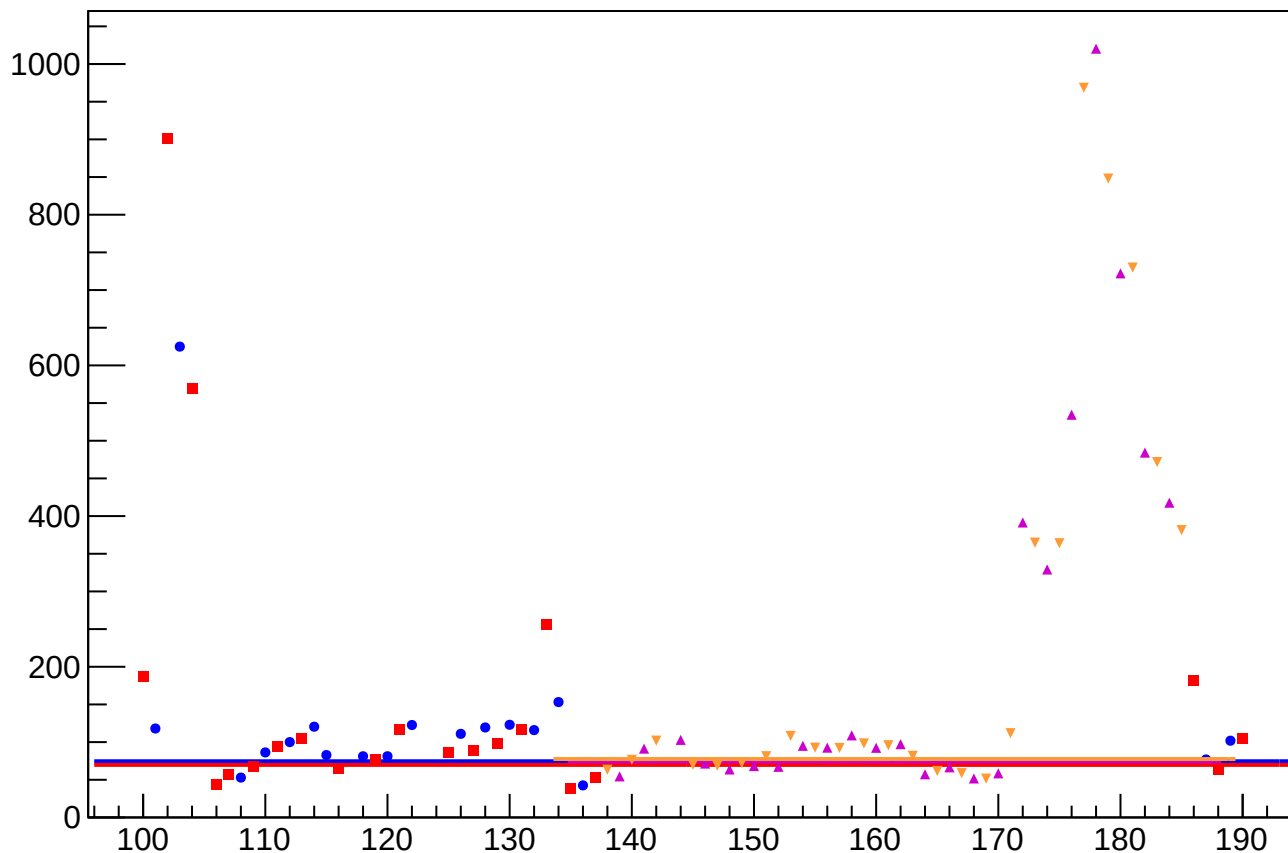
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.043 ± 0.018 χ^2/NDF : 35.9/41

All: -0.014 ± 0.012 χ^2/NDF : 73.9/85

- sign 0.011 ± 0.017 χ^2/NDF : 33.3/43

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 74.582 $\pm$ 0.022 χ^2 /NDF: 2921670.8/17

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF: 8331106.7/23

Right Out: 69.773 $\pm$ 0.020 χ^2 /NDF: 3713162.7/20

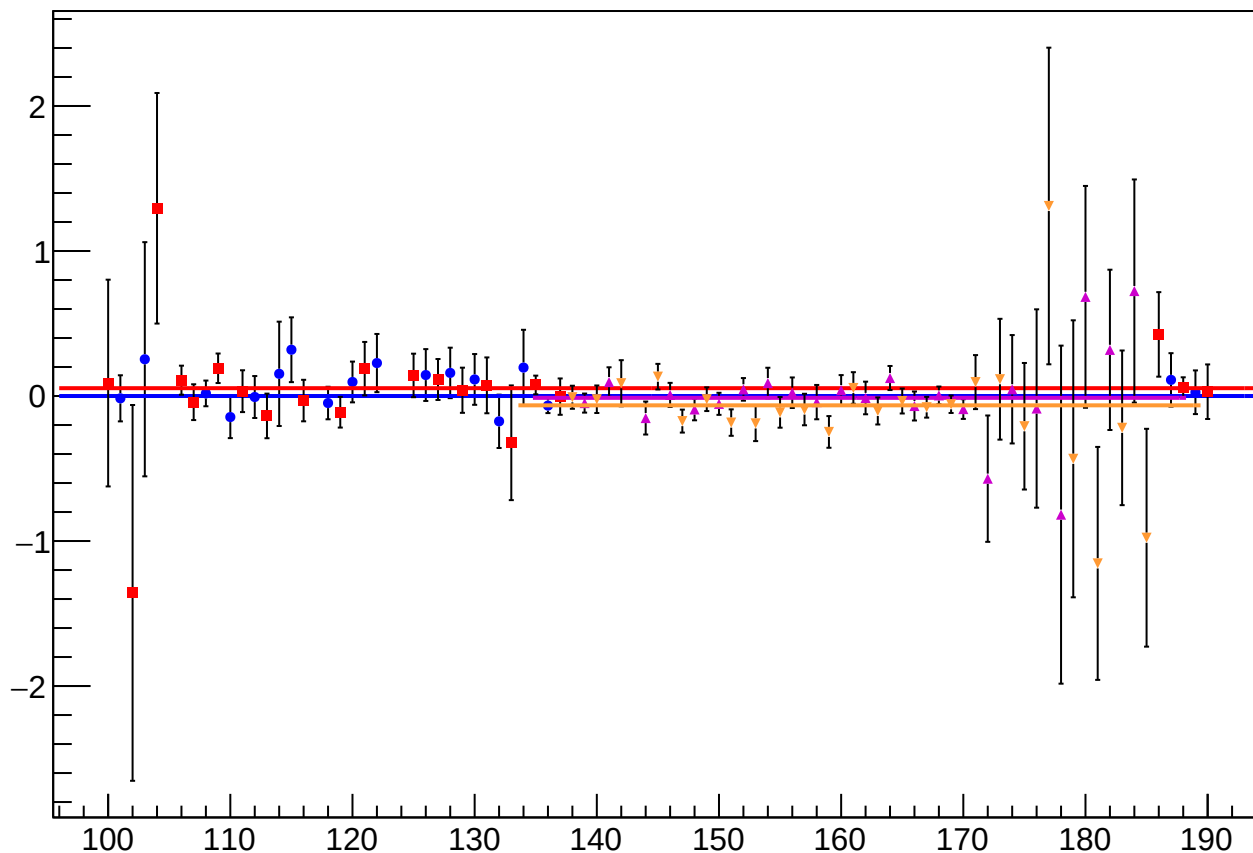
Left In: 74.217 $\pm$ 0.015 χ^2 /NDF: 8513791.3/22

+ sign 76.541 $\pm$ 0.013 χ^2 /NDF: 11264759.2/41

All: 74.473 $\pm$ 0.009 χ^2 /NDF: 23572925.8/85

- sign 72.638 $\pm$ 0.012 χ^2 /NDF: 12258403.7/43

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.031 χ^2/NDF : 10.7/17

Left Out: -0.064 ± 0.022 χ^2/NDF : 22.3/23

Right Out: 0.054 ± 0.028 χ^2/NDF : 14.7/20

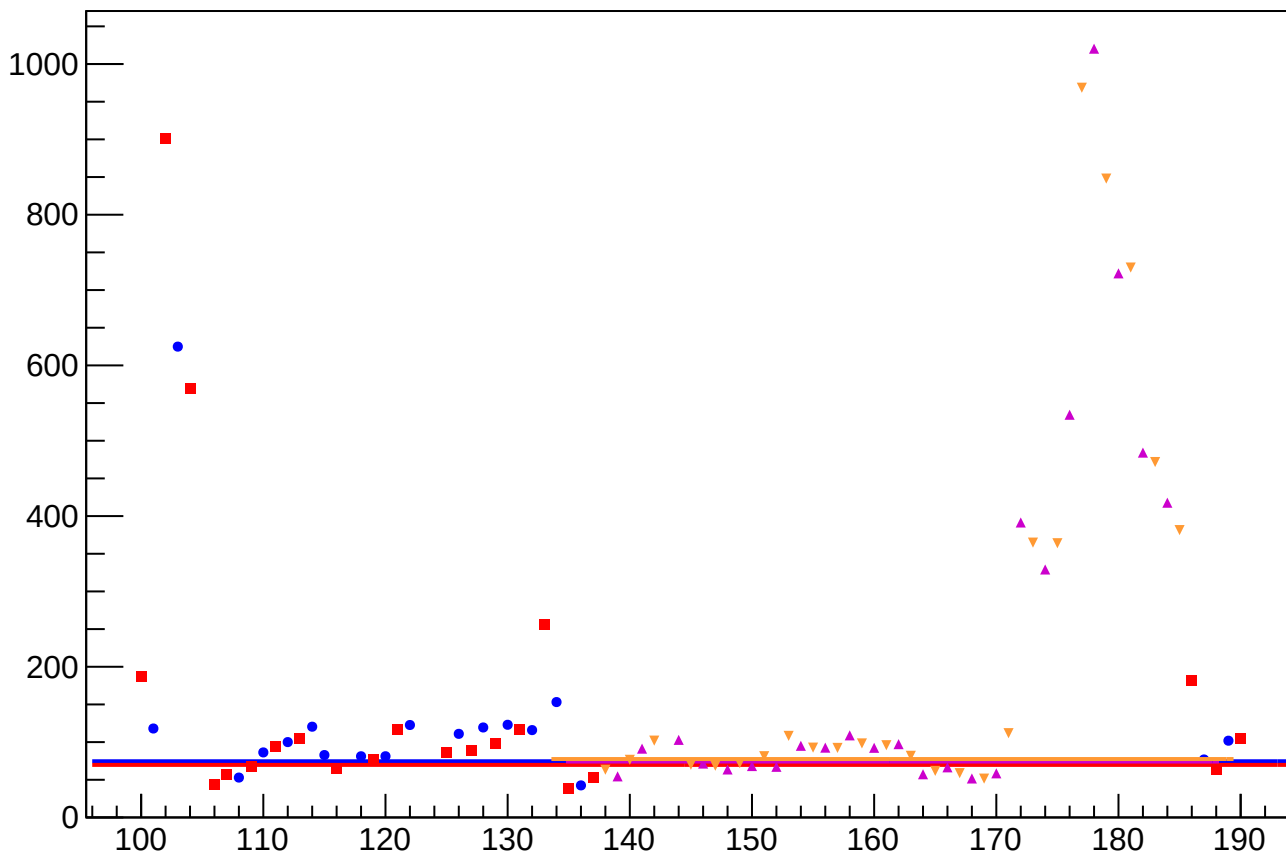
Left In: -0.013 ± 0.021 χ^2/NDF : 15.0/22

+ sign -0.043 ± 0.018 χ^2/NDF : 35.9/41

All: -0.014 ± 0.012 χ^2/NDF : 73.9/85

- sign 0.011 ± 0.017 χ^2/NDF : 33.3/43

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 74.582 $\pm$ 0.022 χ^2 /NDF: 2921670.8/17

Left Out: 77.533 $\pm$ 0.016 χ^2 /NDF: 8331106.7/23

Right Out: 69.773 $\pm$ 0.020 χ^2 /NDF: 3713162.7/20

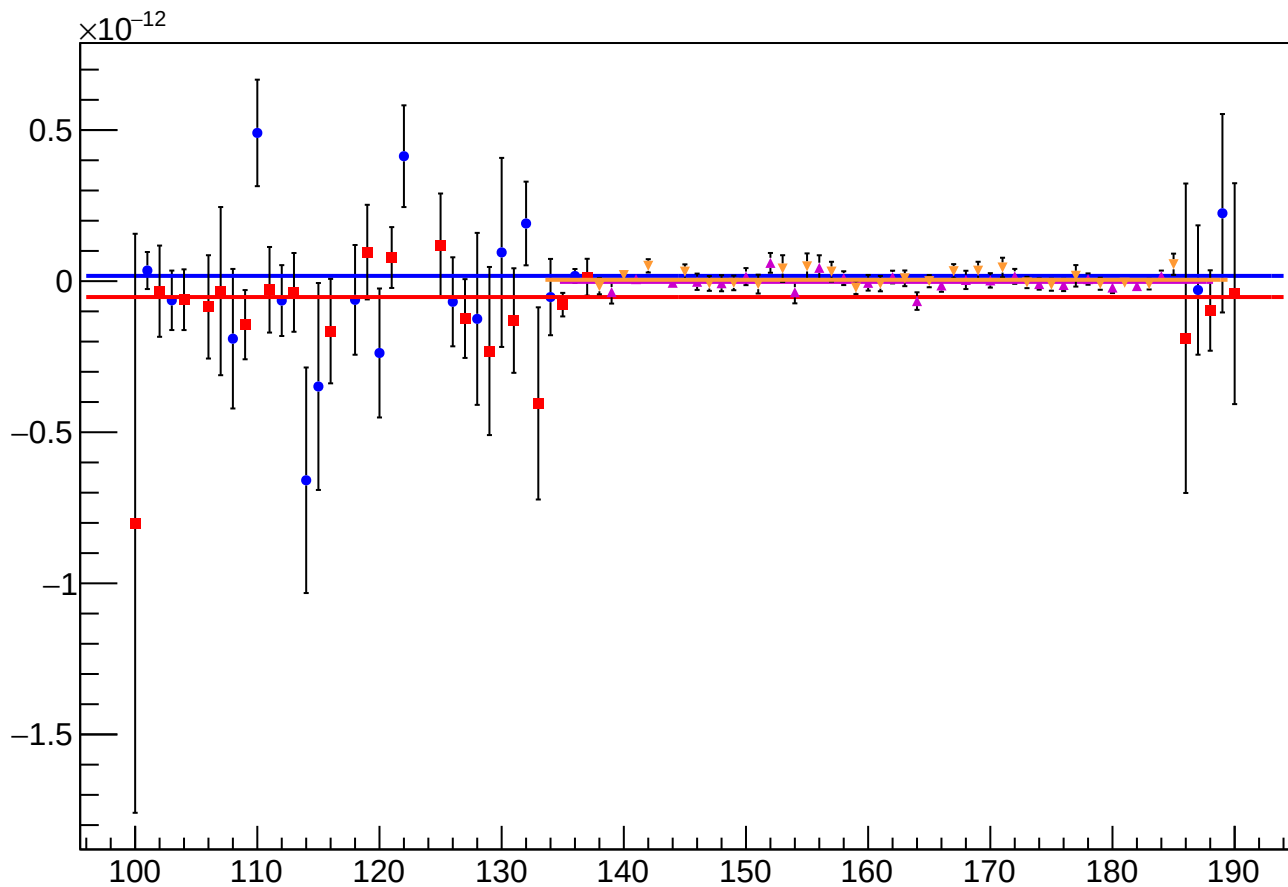
Left In: 74.217 $\pm$ 0.015 χ^2 /NDF: 8513791.3/22

+ sign 76.541 $\pm$ 0.013 χ^2 /NDF: 11264759.2/41

All: 74.473 $\pm$ 0.009 χ^2 /NDF: 23572925.8/85

- sign 72.638 $\pm$ 0.012 χ^2 /NDF: 12258403.7/43

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.8/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 9.3/20

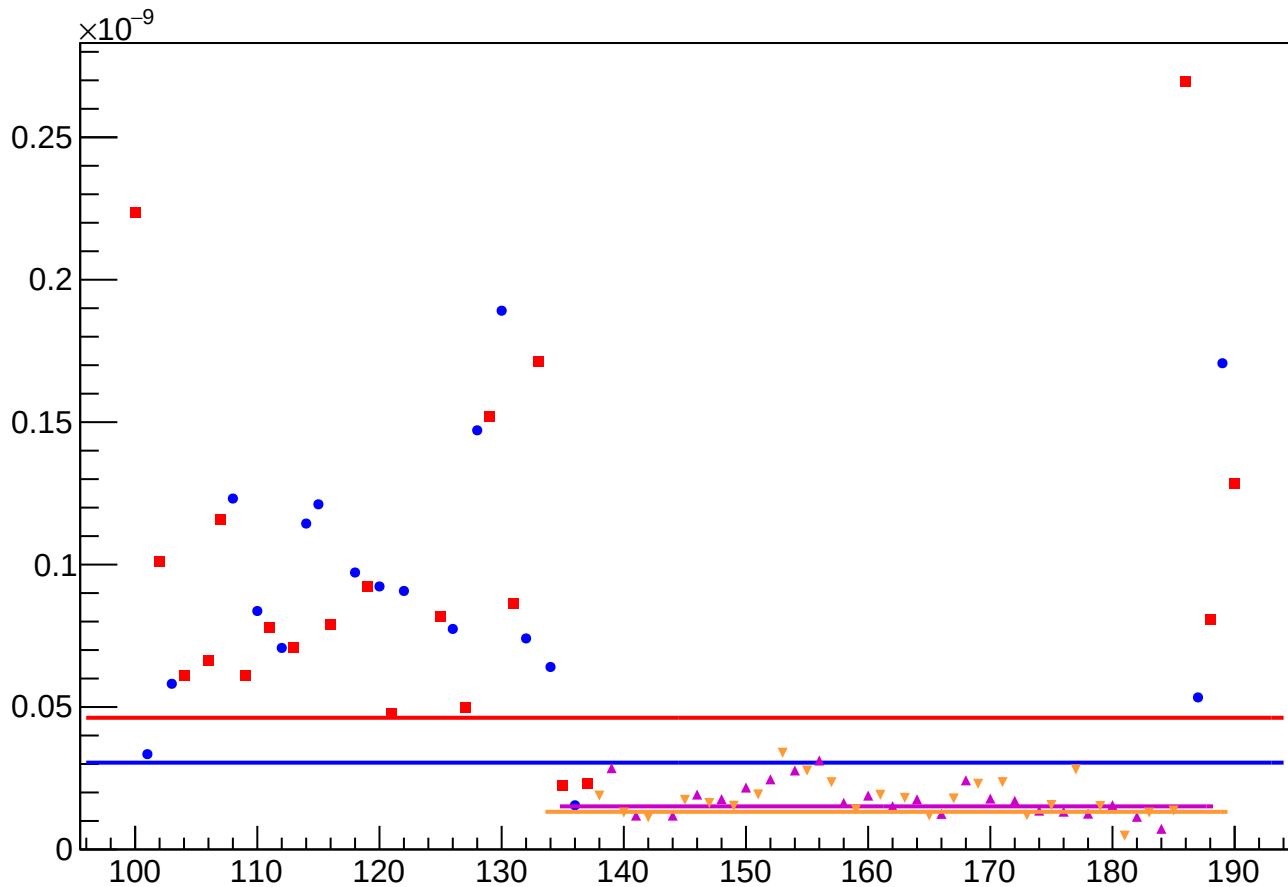
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.9/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 79.0/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 30.9/43

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4469830.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3408429.1/20

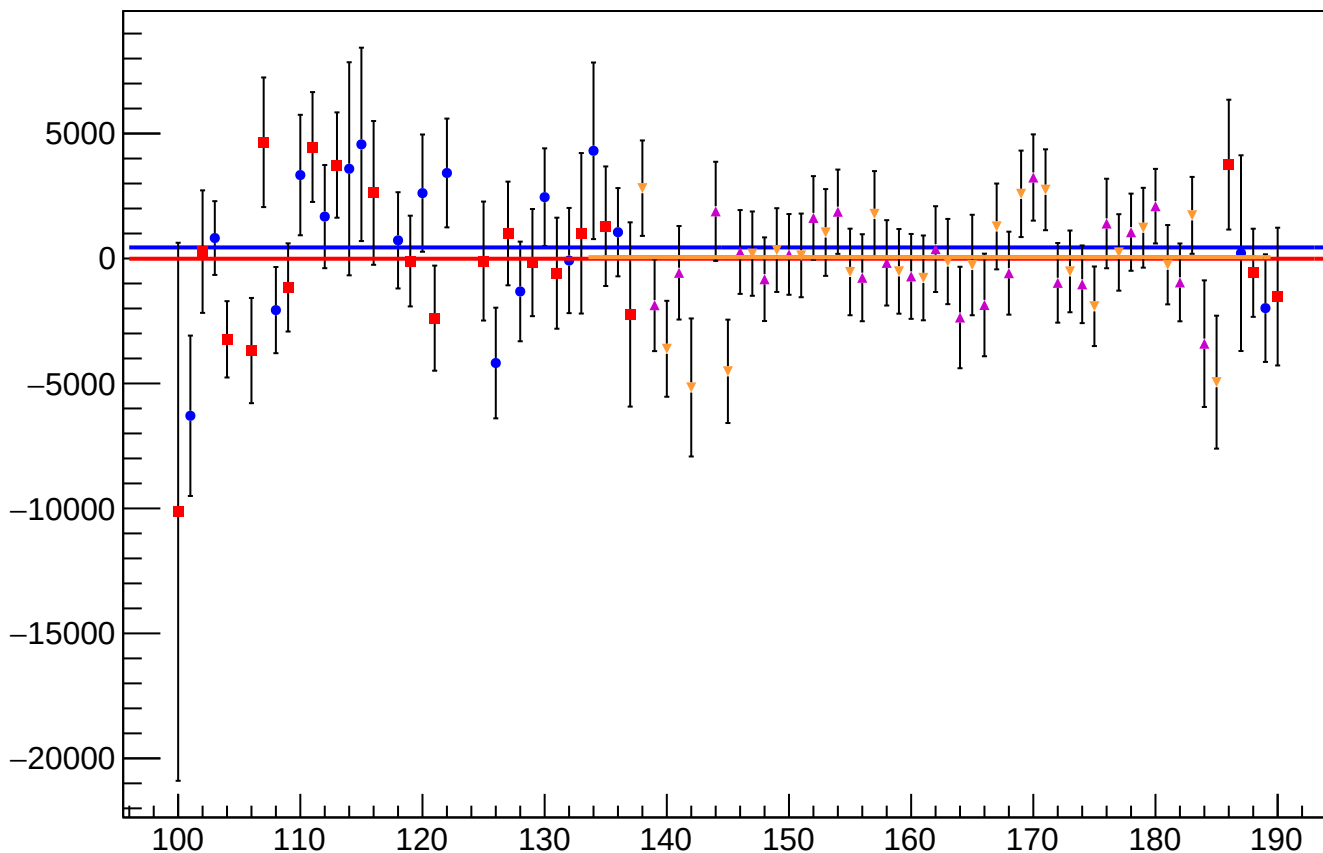
Left In: 0.000+/-0.000 χ^2/NDF : 2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 10241514.3/41

All: 0.000+/-0.000 χ^2/NDF : 19206184.8/85

- sign 0.000+/-0.000 χ^2/NDF : 8718302.5/43

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 443.037 $\pm$ 519.204 χ^2 /NDF: 21.7/17

Left Out: 54.770 $\pm$ 356.375 χ^2 /NDF: 28.5/23

Right Out: -9.196 $\pm$ 490.367 χ^2 /NDF: 25.1/20

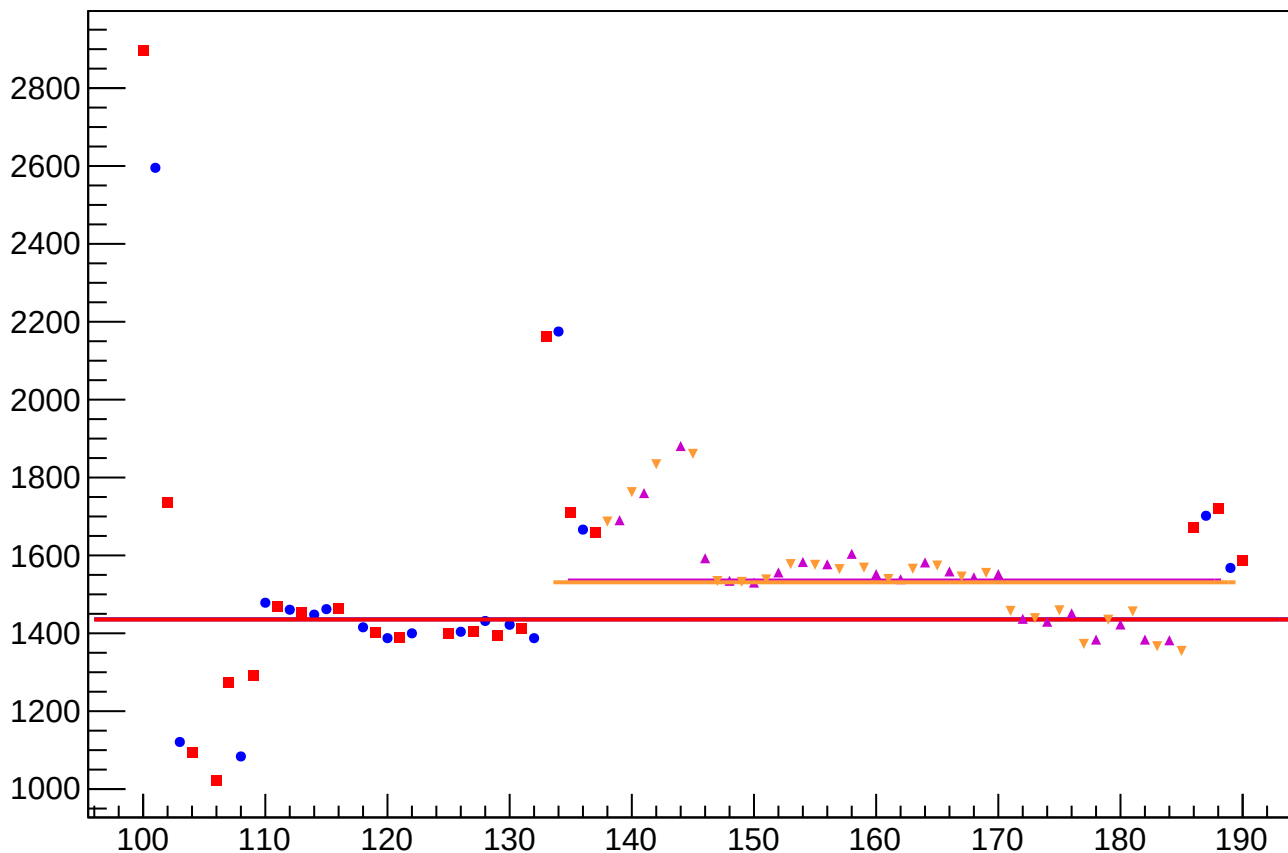
Left In: 48.177 $\pm$ 359.531 χ^2 /NDF: 16.8/22

+ sign 179.113 $\pm$ 293.820 χ^2 /NDF: 50.5/41

All: 102.614 $\pm$ 206.380 χ^2 /NDF: 92.5/85

- sign 28.118 $\pm$ 289.948 χ^2 /NDF: 41.8/43

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1435.877+/-0.367 χ^2/NDF : 578224.9/17

Left Out: 1530.976+/-0.252 χ^2/NDF : 203539.8/23

Right Out: 1435.433+/-0.347 χ^2/NDF : 480846.8/20

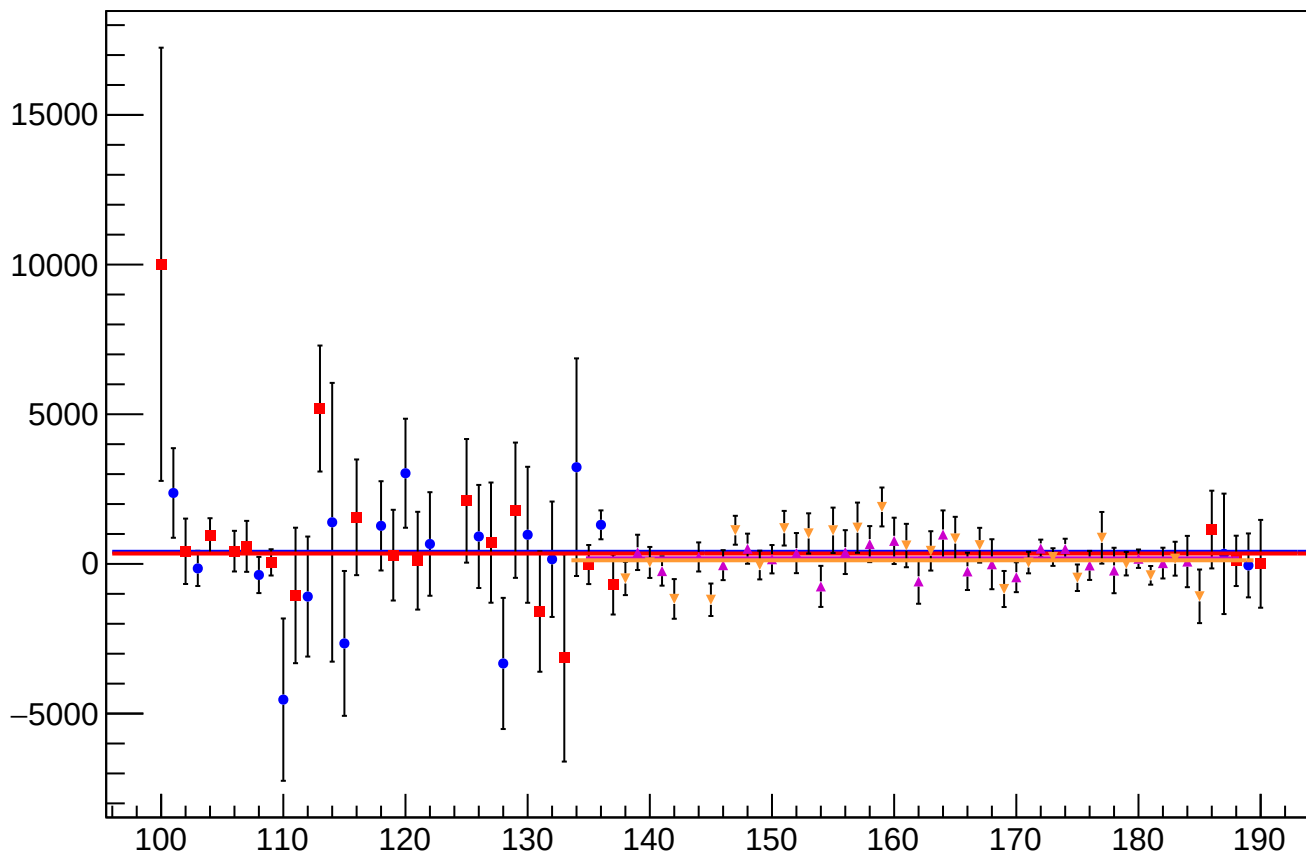
Left In: 1535.551+/-0.254 χ^2/NDF : 192432.7/22

+ sign 1500.521+/-0.208 χ^2/NDF : 827374.0/41

All: 1500.534+/-0.146 χ^2/NDF : 1554876.3/85

- sign 1500.547+/-0.205 χ^2/NDF : 727502.3/43

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug



Right In: 404.856 $\pm$ 264.817 χ^2 /NDF: 19.5/17

Left Out: 121.327 $\pm$ 105.060 χ^2 /NDF: 43.6/23

Right Out: 346.849 $\pm$ 219.393 χ^2 /NDF: 14.4/20

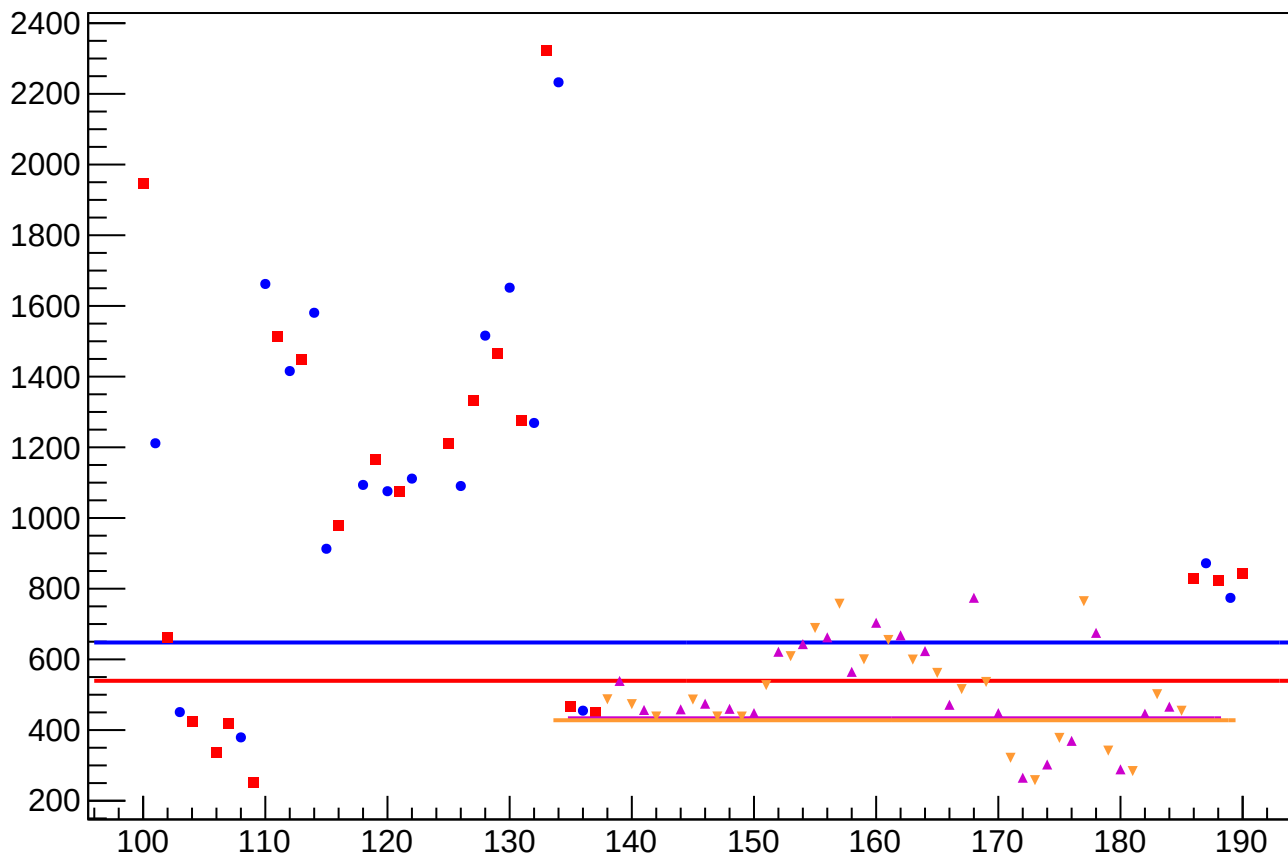
Left In: 186.828 $\pm$ 106.975 χ^2 /NDF: 11.6/22

+ sign 159.884 $\pm$ 97.655 χ^2 /NDF: 64.2/41

All: 189.171 $\pm$ 68.516 χ^2 /NDF: 90.8/85

- sign 217.565 $\pm$ 96.154 χ^2 /NDF: 26.5/43

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 647.781+/-0.187 χ^2/NDF : 3809576.1/17

Left Out: 427.814+/-0.074 χ^2/NDF : 3188159.5/23

Right Out: 539.384+/-0.155 χ^2/NDF : 4780791.5/20

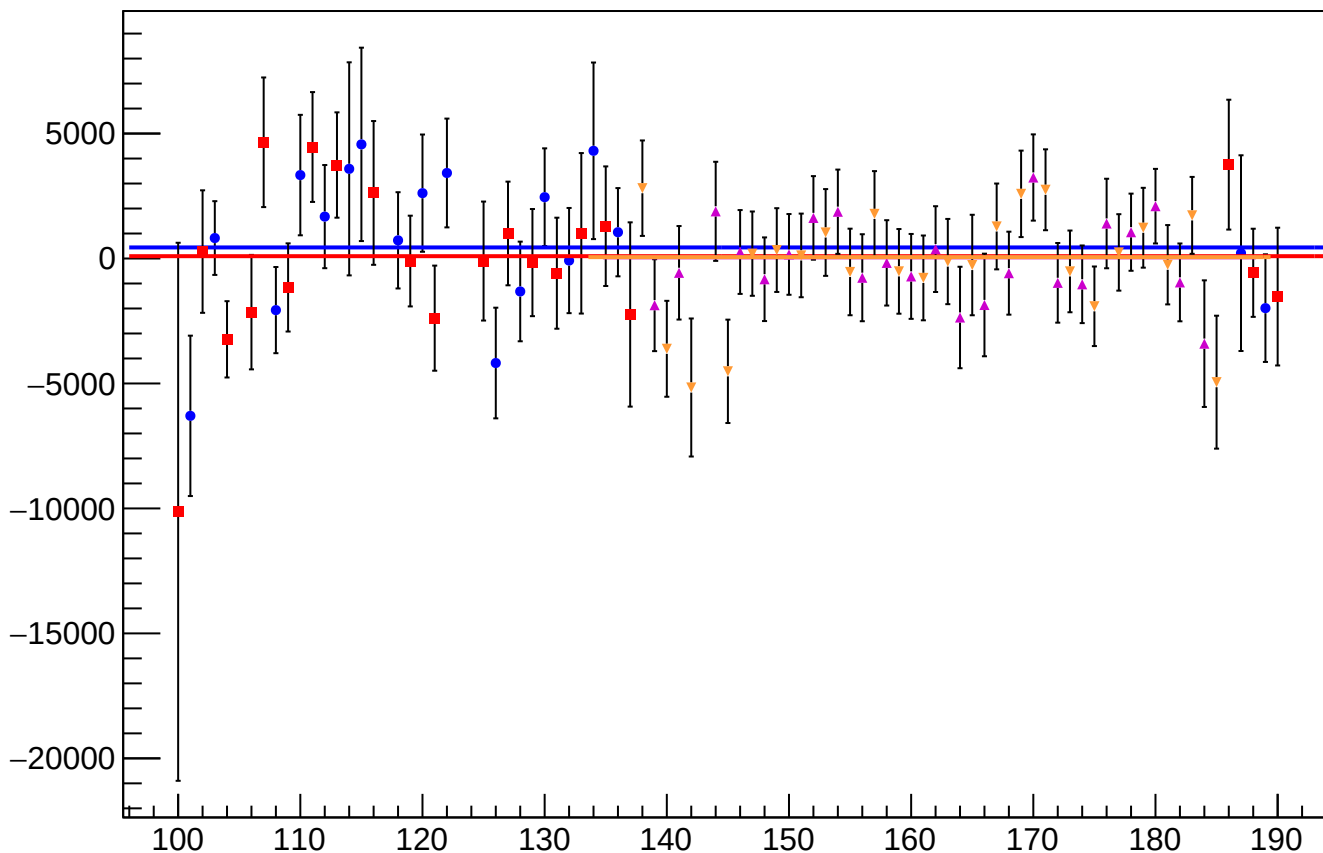
Left In: 433.283+/-0.076 χ^2/NDF : 3247998.9/22

+ sign 457.727+/-0.069 χ^2/NDF : 8189990.5/41

All: 455.664+/-0.048 χ^2/NDF : 16598449.7/85

- sign 453.663+/-0.068 χ^2/NDF : 8406701.0/43

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 442.921 $\pm$ 519.204 χ^2 /NDF: 21.7/17

Left Out: 54.734 $\pm$ 356.375 χ^2 /NDF:28.5/23

Right Out: 93.240 $\pm$ 492.438 χ^2 /NDF: 22.8/20

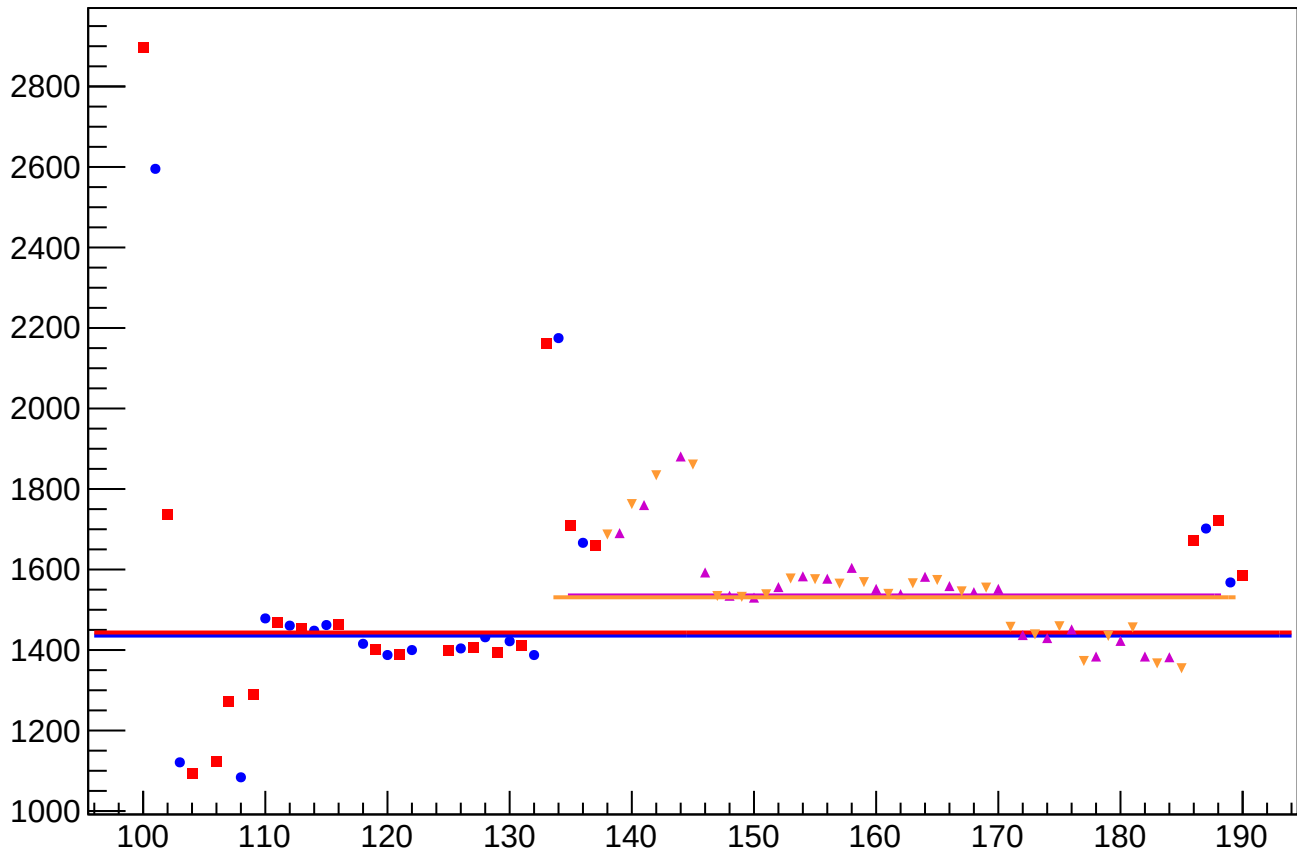
Left In: 48.256 $\pm$ 359.531 χ^2 /NDF:16.8/22

+ sign 179.051 $\pm$ 293.820 χ^2 /NDF: 50.5/41

All: 120.794 $\pm$ 206.533 χ^2 /NDF: 90.2/85

- sign 63.897 $\pm$ 290.374 χ^2 /NDF: 39.6/43

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1435.877 $\pm$ 0.367 χ^2 /NDF: 578225.1/17

Left Out: 1530.976 $\pm$ 0.252 χ^2 /NDF: 203539.7/23

Right Out: 1443.511 $\pm$ 0.348 χ^2 /NDF: 440953.5/20

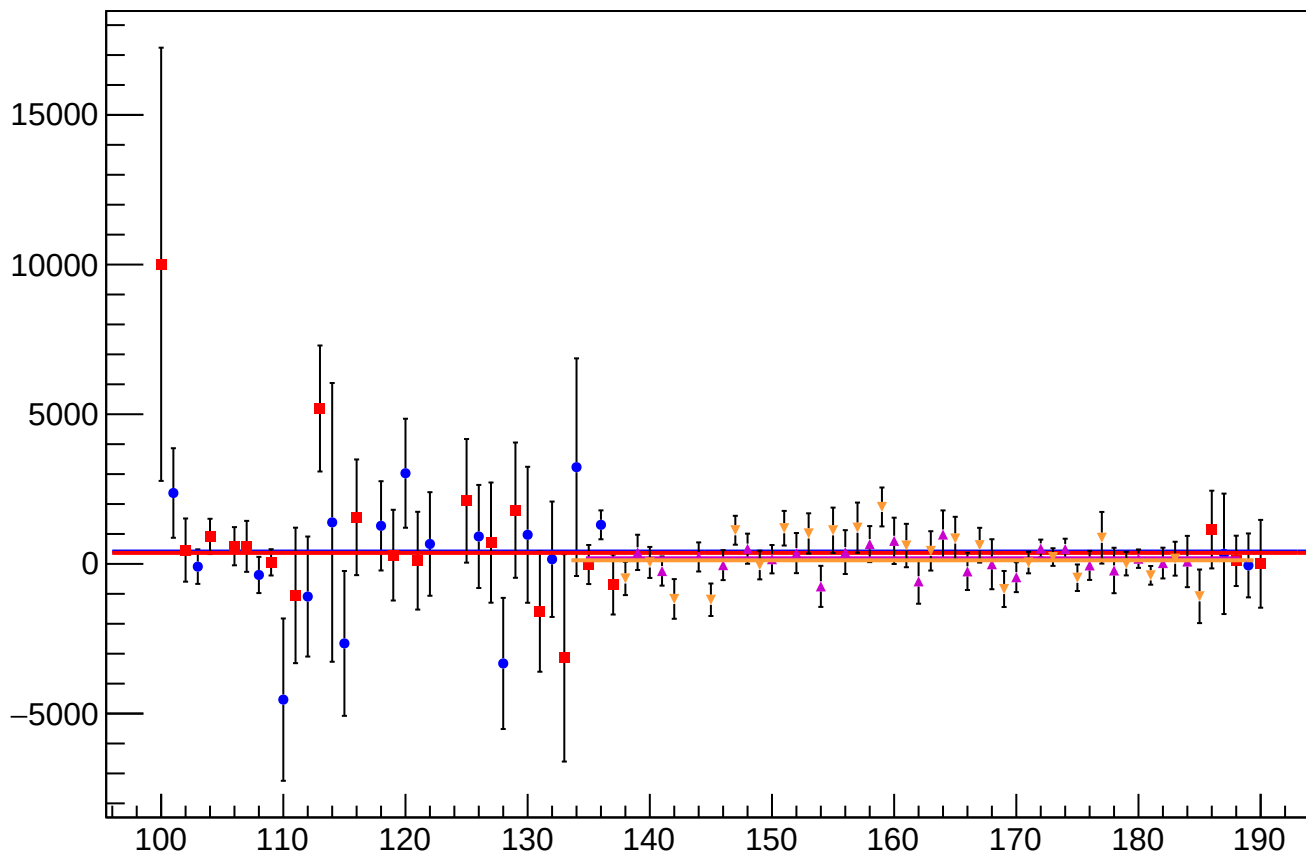
Left In: 1535.551 $\pm$ 0.254 χ^2 /NDF: 192432.7/22

+ sign 1500.520 $\pm$ 0.208 χ^2 /NDF: 827374.4/41

All: 1502.052 $\pm$ 0.146 χ^2 /NDF: 1506442.6/85

- sign 1503.548 $\pm$ 0.205 χ^2 /NDF: 678960.8/43

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug



Right In: 413.027 ± 263.774 $\chi^2/\text{NDF}: 19.4/17$

Left Out: 121.325 ± 105.060 $\chi^2/\text{NDF}: 43.7/23$

Right Out: 368.045 ± 217.412 $\chi^2/\text{NDF}: 14.5/20$

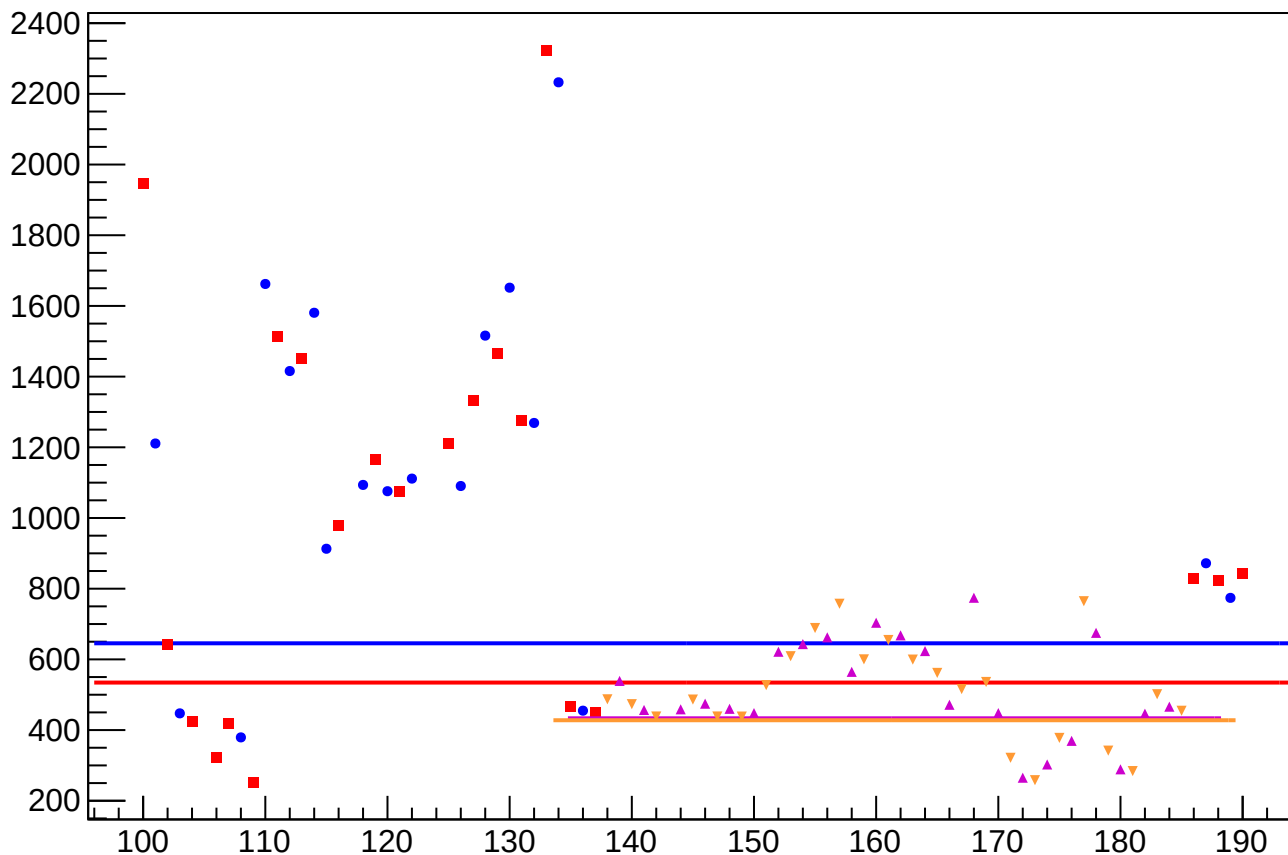
Left In: 187.037 ± 106.975 $\chi^2/\text{NDF}: 11.6/22$

+ sign 161.265 ± 97.603 $\chi^2/\text{NDF}: 64.1/41$

All: 192.301 ± 68.437 $\chi^2/\text{NDF}: 91.0/85$

- sign 222.318 ± 95.985 $\chi^2/\text{NDF}: 26.7/43$

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 645.486 ± 0.187 χ^2/NDF : 3826356.7/17

Left Out: 427.814 ± 0.074 χ^2/NDF : 3188396.1/23

Right Out: 534.396 ± 0.154 χ^2/NDF : 4824379.6/20

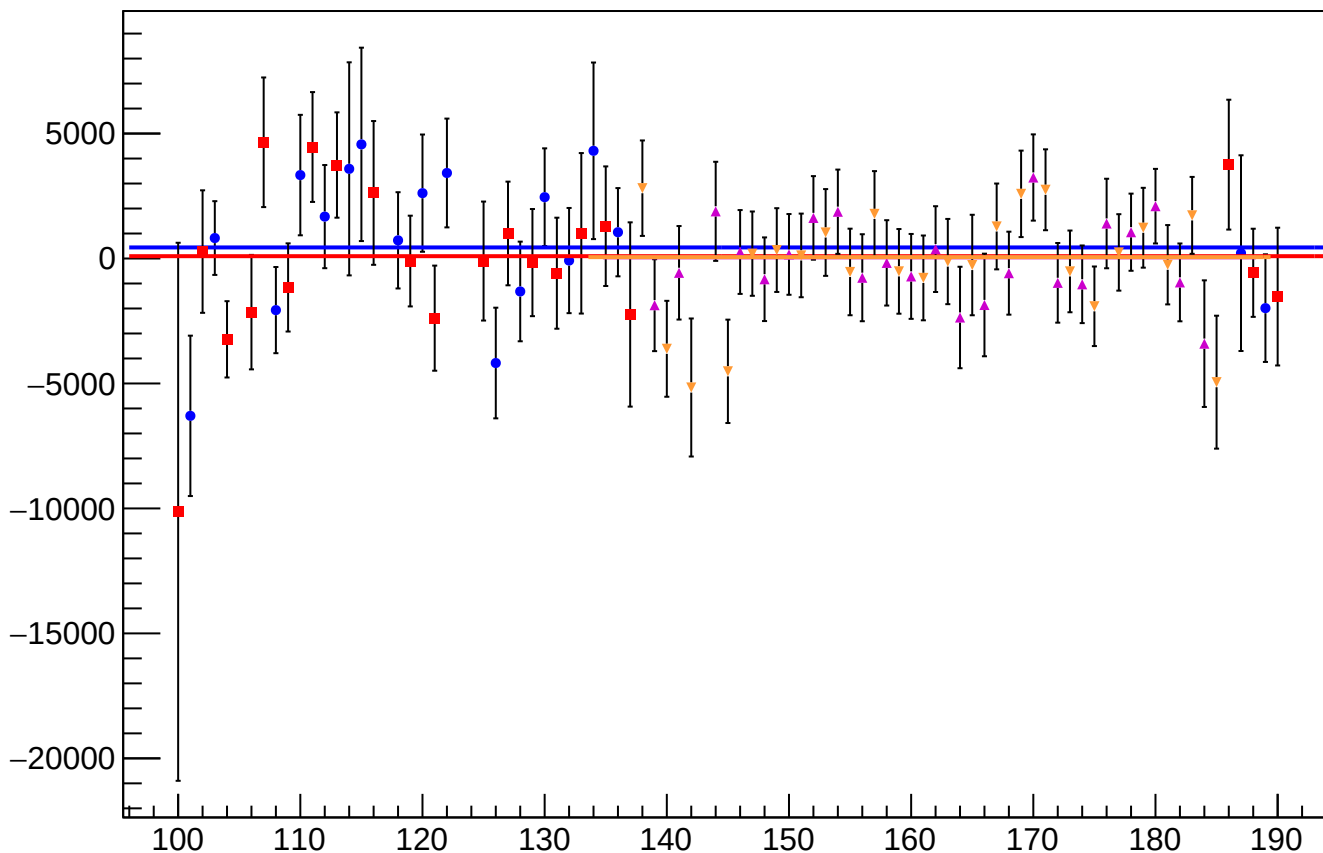
Left In: 433.285 ± 0.076 χ^2/NDF : 3247871.5/22

+ sign 457.617 ± 0.069 χ^2/NDF : 8190246.9/41

All: 455.267 ± 0.048 χ^2/NDF : 16613041.0/85

- sign 452.993 ± 0.068 χ^2/NDF : 8420511.6/43

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 442.921 $\pm$ 519.204 χ^2/NDF : 21.7/17

Left Out: 54.734 $\pm$ 356.375 χ^2/NDF : 28.5/23

Right Out: 93.240 $\pm$ 492.438 χ^2/NDF : 22.8/20

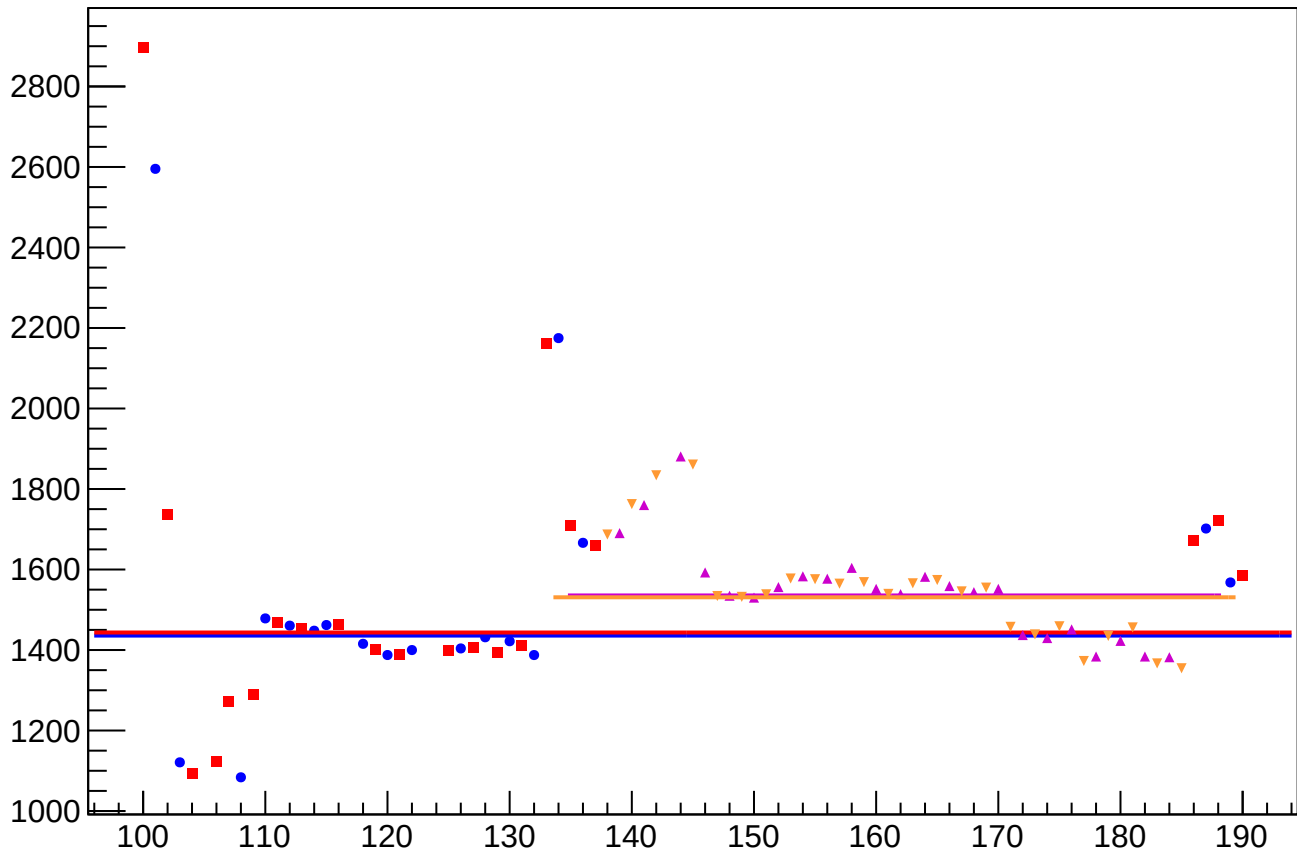
Left In: 48.256 $\pm$ 359.531 χ^2/NDF : 16.8/22

+ sign 179.051 $\pm$ 293.820 χ^2/NDF : 50.5/41

All: 120.794 $\pm$ 206.533 χ^2/NDF : 90.2/85

- sign 63.897 $\pm$ 290.374 χ^2/NDF : 39.6/43

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1435.877 $\pm$ 0.367 χ^2 /NDF: 578225.1/17

Left Out: 1530.976 $\pm$ 0.252 χ^2 /NDF: 203539.7/23

Right Out: 1443.511 $\pm$ 0.348 χ^2 /NDF: 440953.5/20

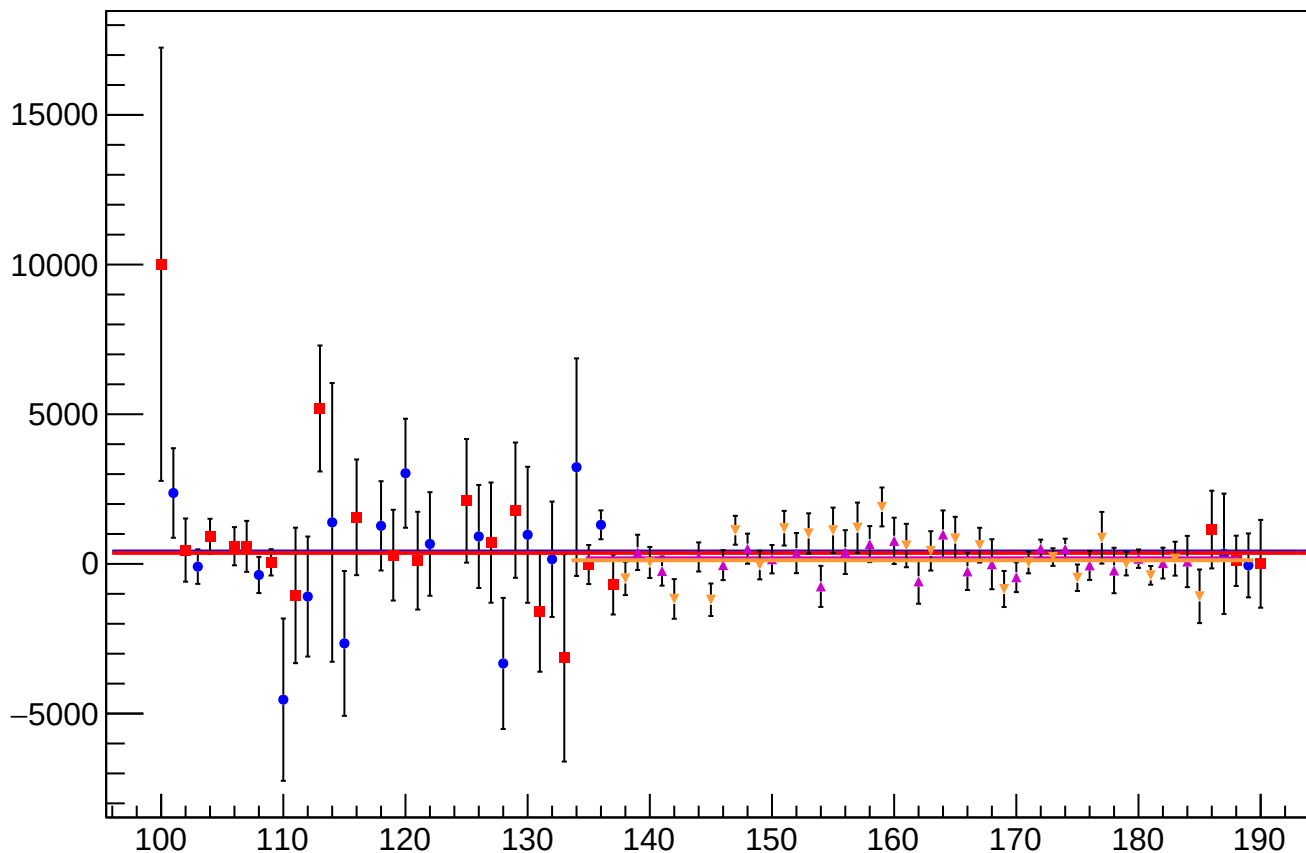
Left In: 1535.551 $\pm$ 0.254 χ^2 /NDF: 192432.7/22

+ sign 1500.520 $\pm$ 0.208 χ^2 /NDF: 827374.4/41

All: 1502.052 $\pm$ 0.146 χ^2 /NDF: 1506442.6/85

- sign 1503.548 $\pm$ 0.205 χ^2 /NDF: 678960.8/43

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 413.027 $\pm$ 263.774 χ^2 /NDF: 19.4/17

Left Out: 121.325 $\pm$ 105.060 χ^2 /NDF:43.7/23

Right Out: 368.045 $\pm$ 217.412 χ^2 /NDF: 14.5/20

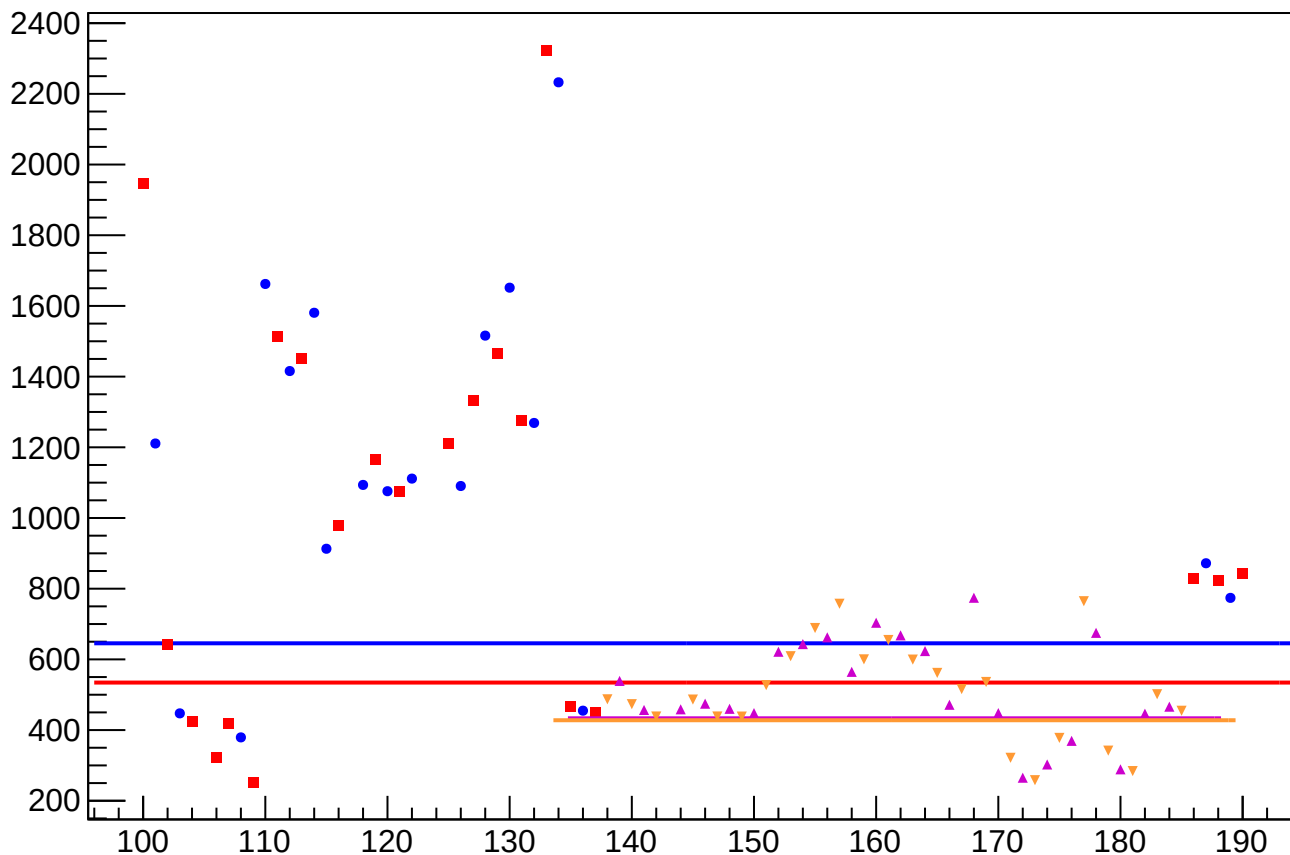
Left In: 187.037 $\pm$ 106.975 χ^2 /NDF:11.6/22

+ sign 161.265 $\pm$ 97.603 χ^2 /NDF: 64.1/41

All: 192.301 $\pm$ 68.437 χ^2 /NDF: 91.0/85

- sign 222.318 $\pm$ 95.985 χ^2 /NDF: 26.7/43

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 645.486+/-0.187 χ^2/NDF : 3826356.7/17

Left Out: 427.814+/-0.074 χ^2/NDF : 3188396.1/23

Right Out: 534.396+/-0.154 χ^2/NDF : 4824379.6/20

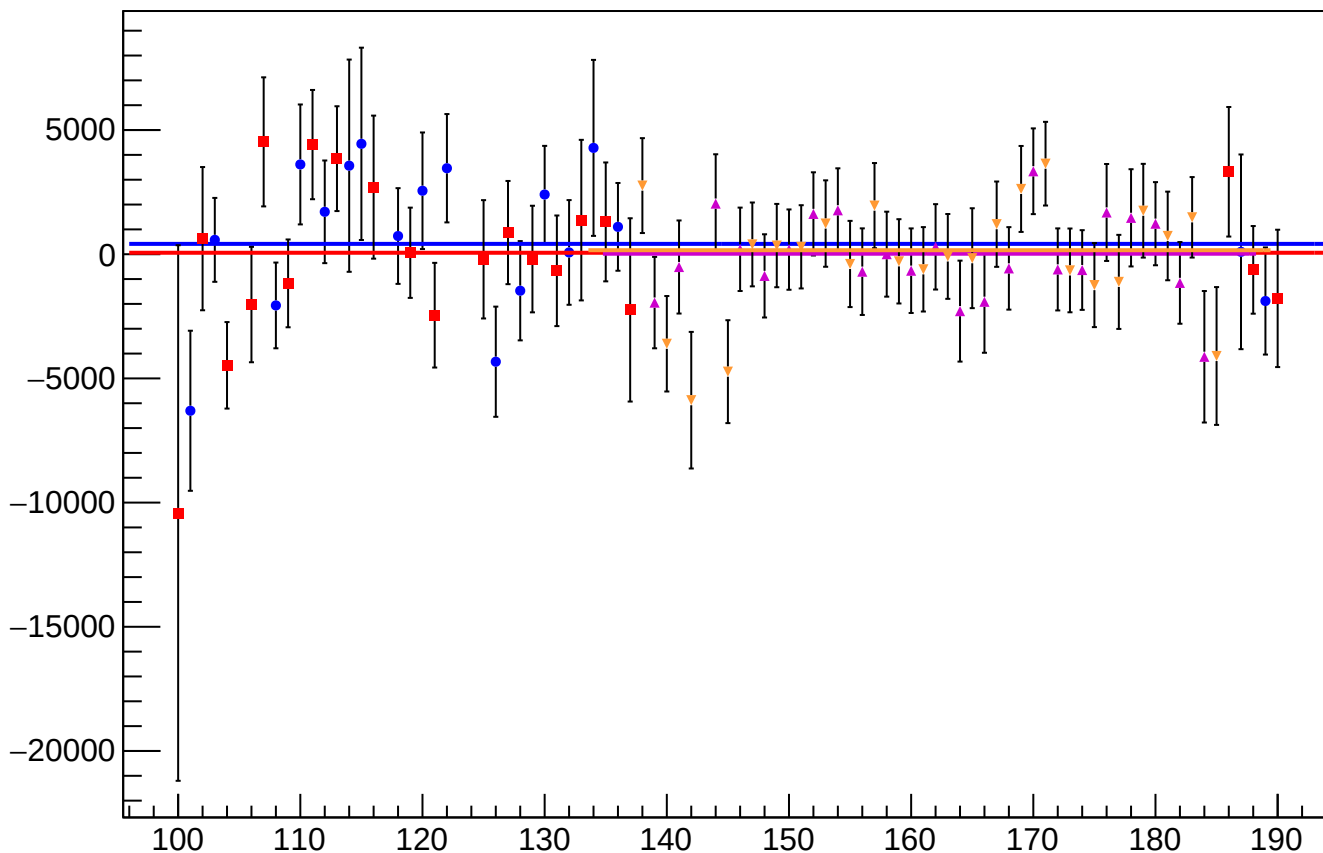
Left In: 433.285+/-0.076 χ^2/NDF : 3247871.5/22

+ sign 457.617+/-0.069 χ^2/NDF : 8190246.9/41

All: 455.267+/-0.048 χ^2/NDF : 16613041.0/85

- sign 452.993+/-0.068 χ^2/NDF : 8420511.6/43

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 416.629 $\pm$ 527.764 χ^2 /NDF: 22.0/17

Left Out: 161.591 $\pm$ 368.366 χ^2 /NDF: 29.9/23

Right Out: 59.037 $\pm$ 502.438 χ^2 /NDF: 24.7/20

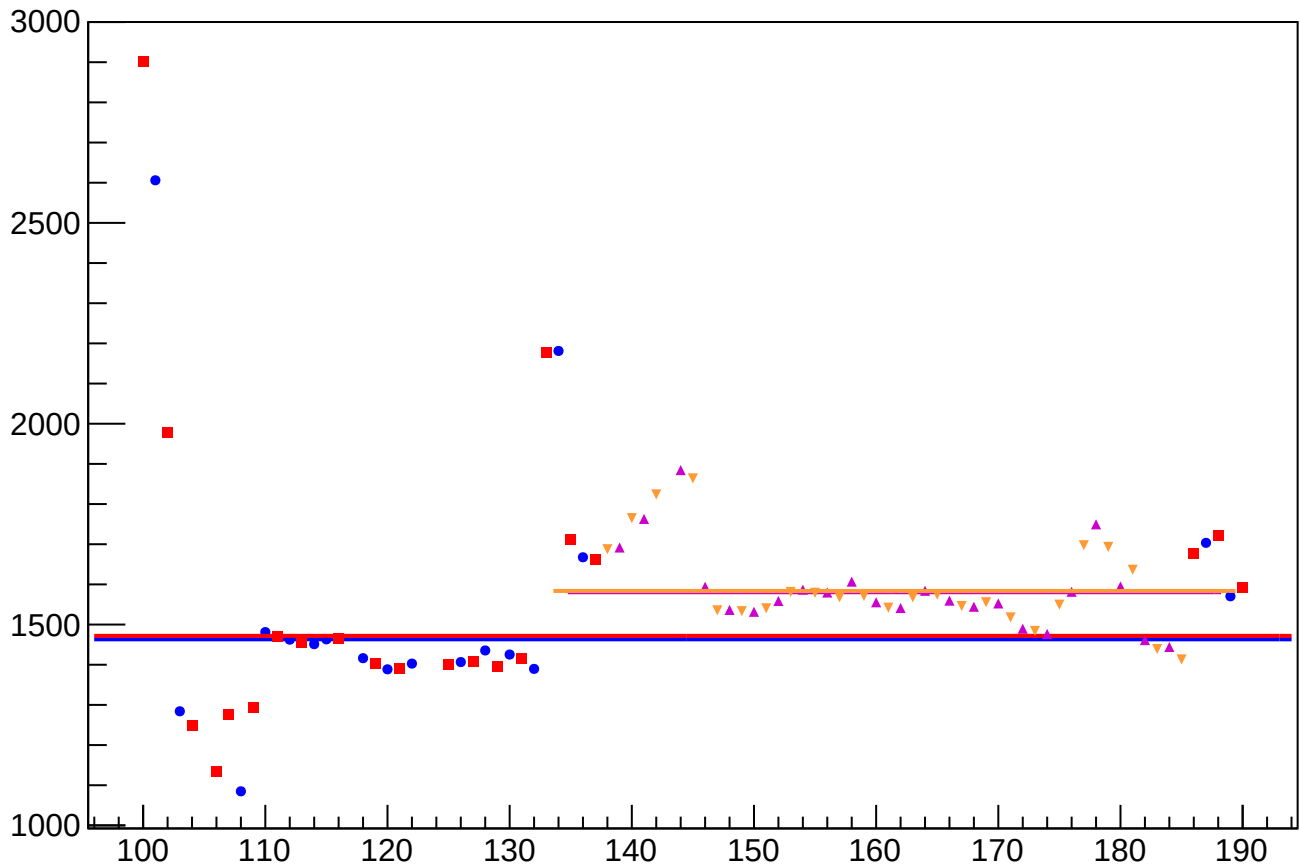
Left In: 20.252 $\pm$ 369.781 χ^2 /NDF: 16.0/22

+ sign 245.137 $\pm$ 302.064 χ^2 /NDF: 52.1/41

All: 138.012 $\pm$ 212.074 χ^2 /NDF: 93.0/85

- sign 33.879 $\pm$ 297.818 χ^2 /NDF: 40.7/43

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1463.262 $\pm$ 0.373 χ^2 /NDF: 501188.5/17

Left Out: 1583.673 $\pm$ 0.260 χ^2 /NDF:133583.1/23

Right Out: 1471.936 $\pm$ 0.355 χ^2 /NDF: 394736.4/20

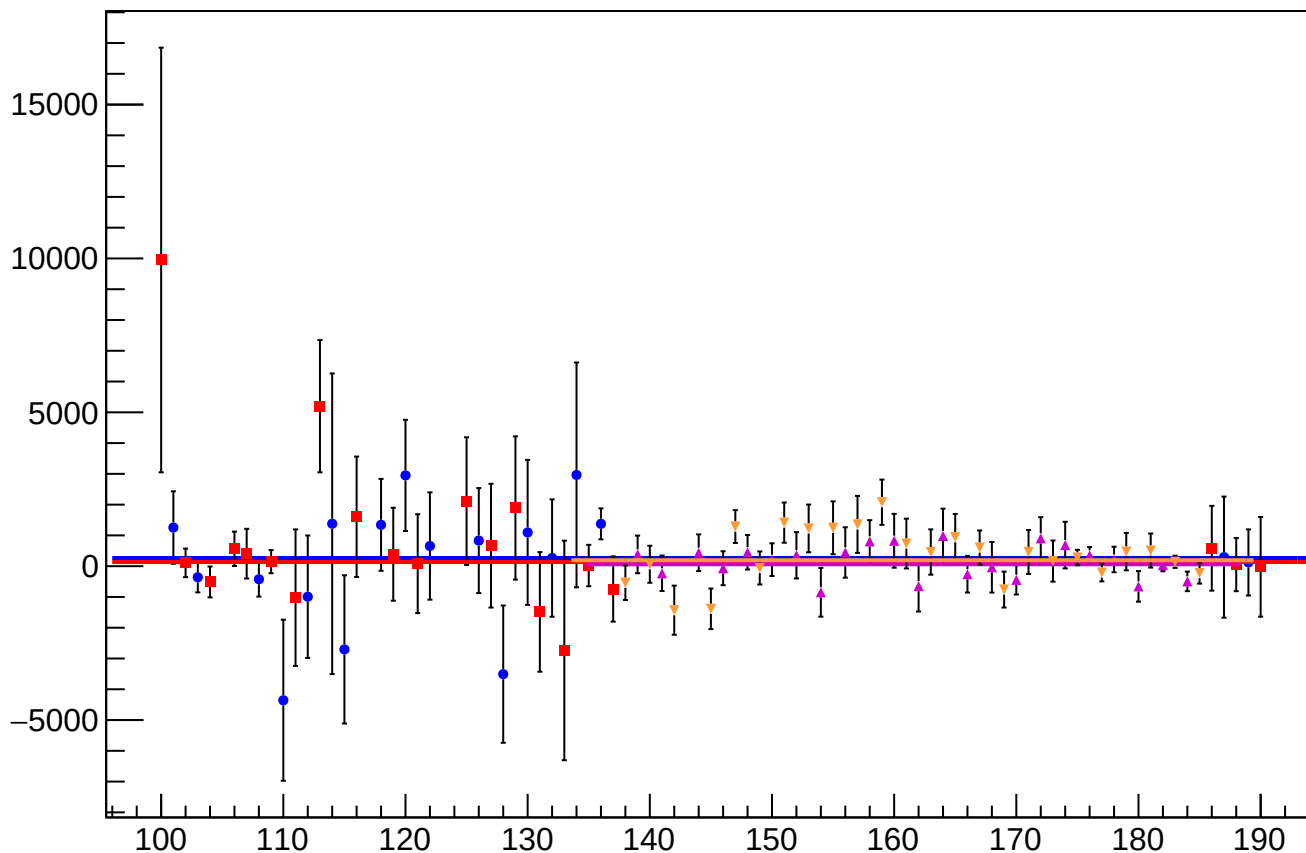
Left In: 1580.464 $\pm$ 0.261 χ^2 /NDF:125745.6/22

+ sign 1544.229 $\pm$ 0.214 χ^2 /NDF: 704775.8/41

All: 1543.267 $\pm$ 0.150 χ^2 /NDF: 1285826.5/85

- sign 1542.333 $\pm$ 0.211 χ^2 /NDF: 581010.7/43

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug



Right In: 265.458 $\pm$ 251.122 χ^2 /NDF: 20.2/17

Left Out: 193.307 $\pm$ 95.894 χ^2 /NDF:40.1/23

Right Out: 134.921 $\pm$ 187.977 χ^2 /NDF: 14.6/20

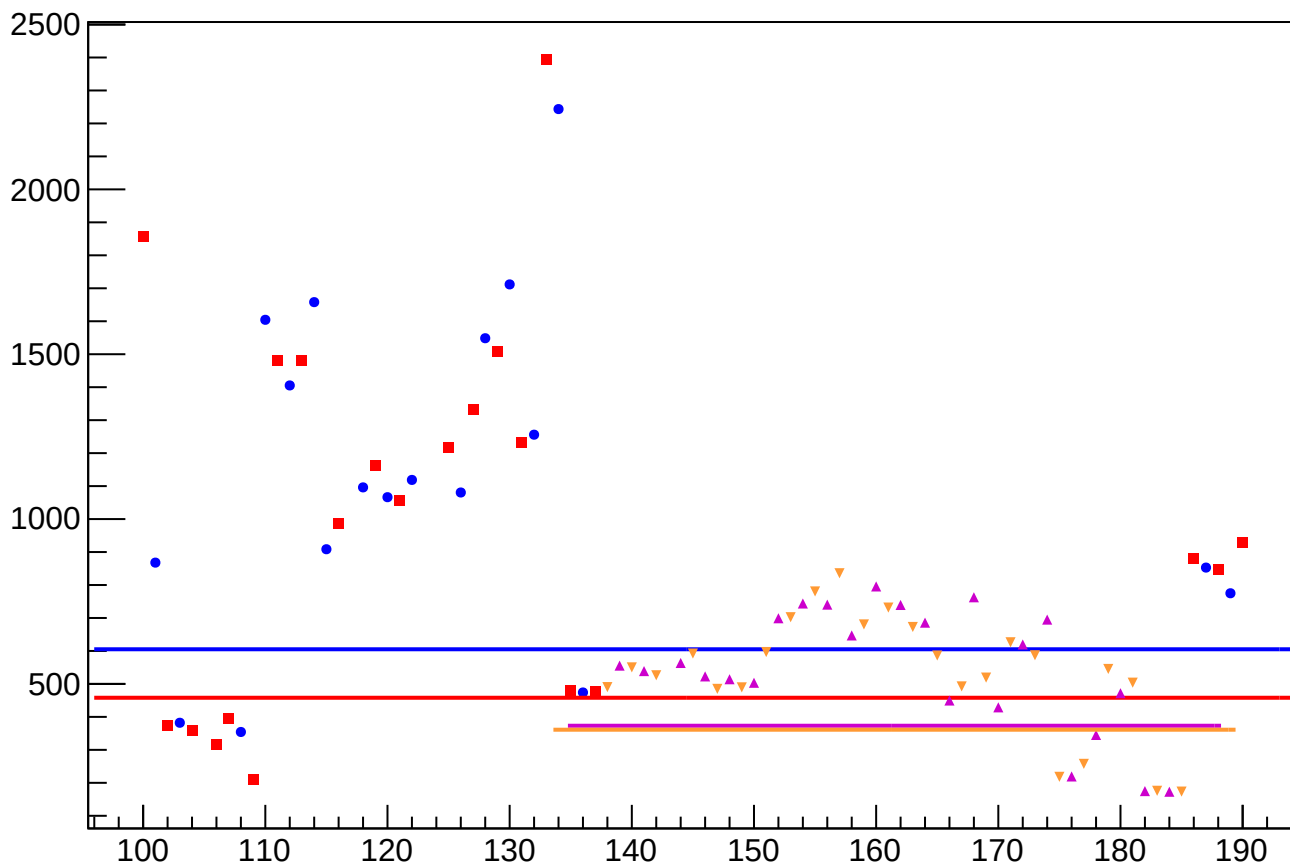
Left In: 62.183 $\pm$ 99.717 χ^2 /NDF:17.0/22

+ sign 202.489 $\pm$ 89.584 χ^2 /NDF: 60.4/41

All: 139.277 $\pm$ 62.811 χ^2 /NDF: 93.0/85

- sign 78.156 $\pm$ 88.090 χ^2 /NDF: 31.7/43

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 605.091 $\pm$ 0.178 χ^2 /NDF: 3973313.4/17

Left Out: 361.100 $\pm$ 0.068 χ^2 /NDF: 8183123.9/23

Right Out: 458.046 $\pm$ 0.133 χ^2 /NDF: 5683692.4/20

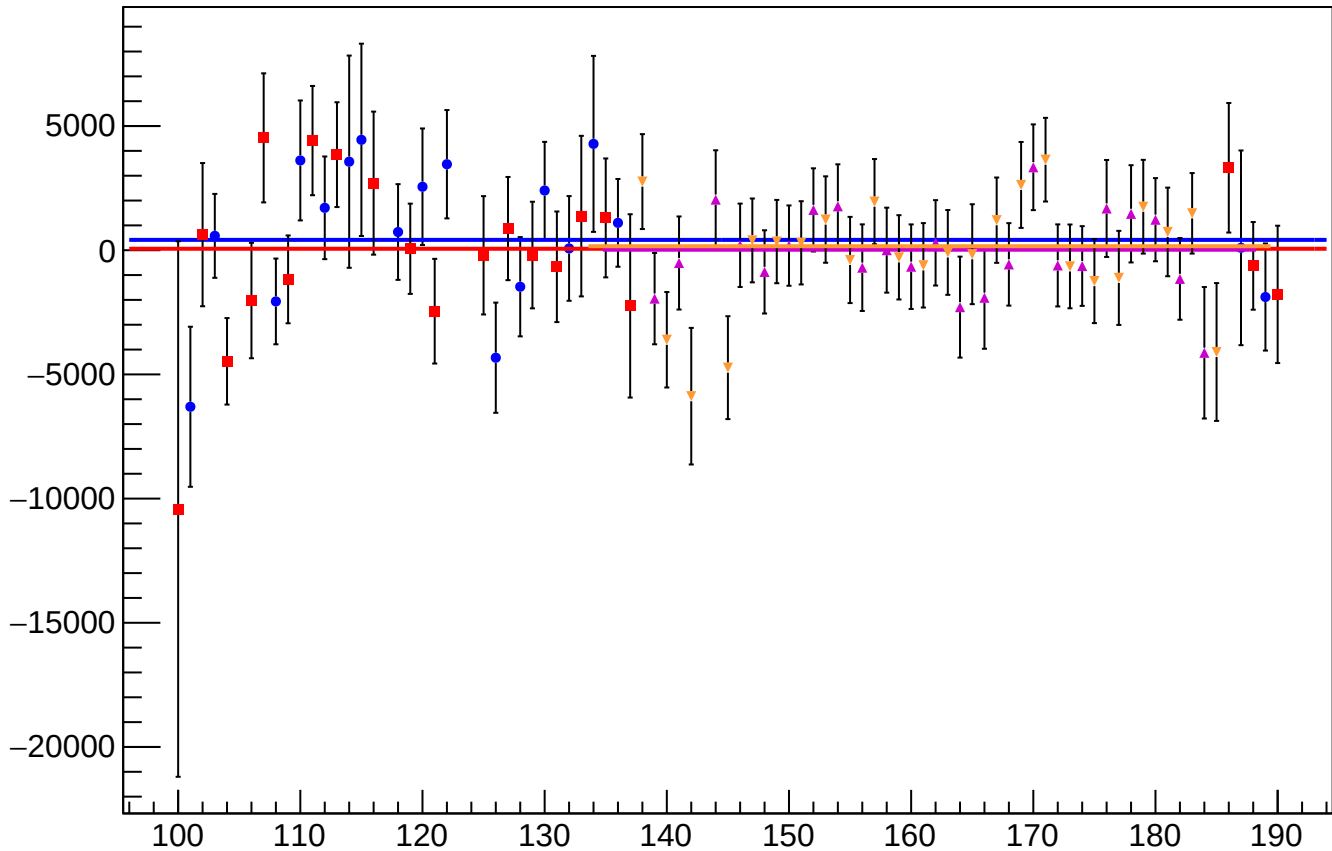
Left In: 373.140 $\pm$ 0.071 χ^2 /NDF: 8207354.5/22

+ sign 392.150 $\pm$ 0.063 χ^2 /NDF: 13804199.2/41

All: 391.965 $\pm$ 0.044 χ^2 /NDF: 28013692.8/85

- sign 391.786 $\pm$ 0.062 χ^2 /NDF: 14209476.8/43

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 416.629 $\pm$ 527.764 χ^2 /NDF: 22.0/17

Left Out: 161.587 $\pm$ 368.366 χ^2 /NDF: 29.9/23

Right Out: 59.035 $\pm$ 502.438 χ^2 /NDF: 24.7/20

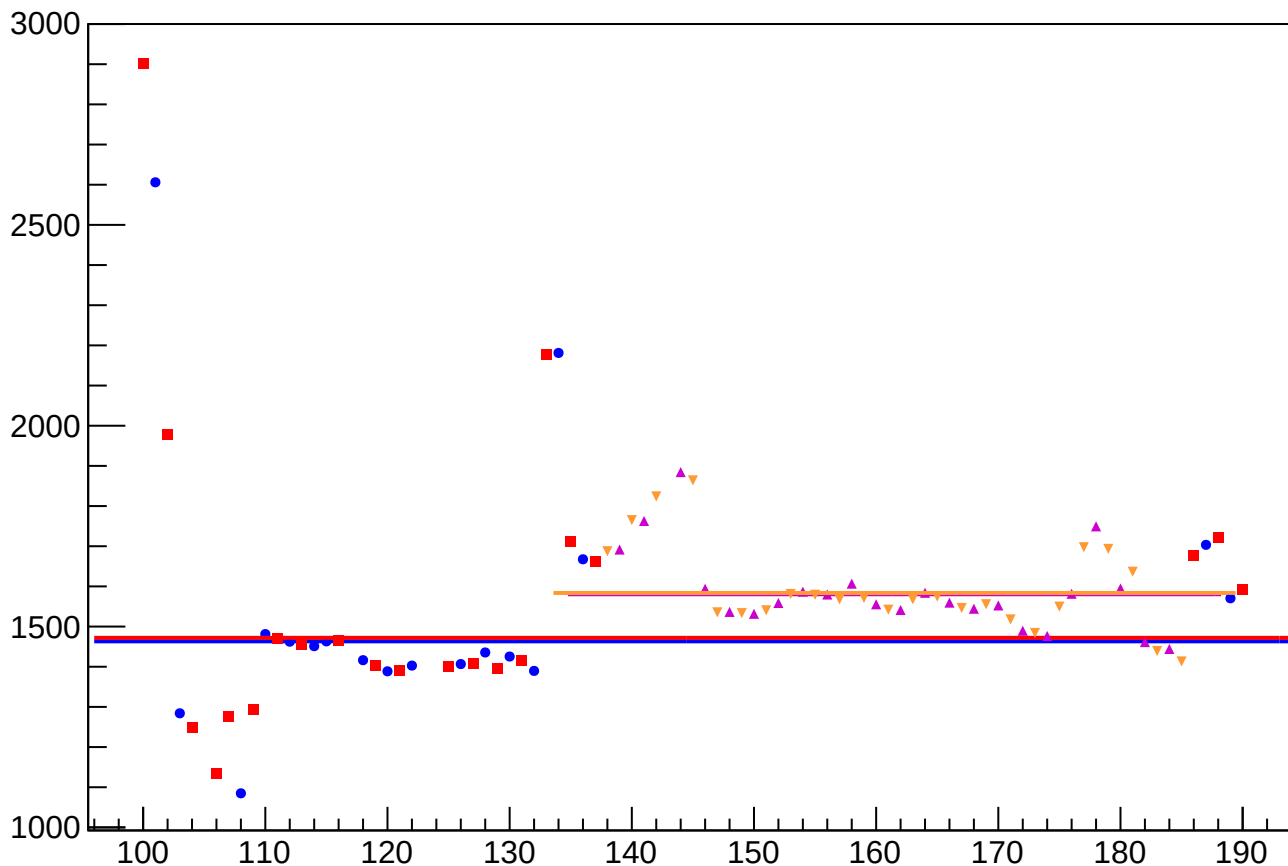
Left In: 20.250 $\pm$ 369.781 χ^2 /NDF: 16.0/22

+ sign 245.134 $\pm$ 302.064 χ^2 /NDF: 52.1/41

All: 138.010 $\pm$ 212.074 χ^2 /NDF: 93.0/85

- sign 33.877 $\pm$ 297.818 χ^2 /NDF: 40.7/43

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1463.262 $\pm$ 0.373 χ^2 /NDF: 501188.1/17

Left Out: 1583.673 $\pm$ 0.260 χ^2 /NDF:133583.3/23

Right Out: 1471.936 $\pm$ 0.355 χ^2 /NDF: 394736.6/20

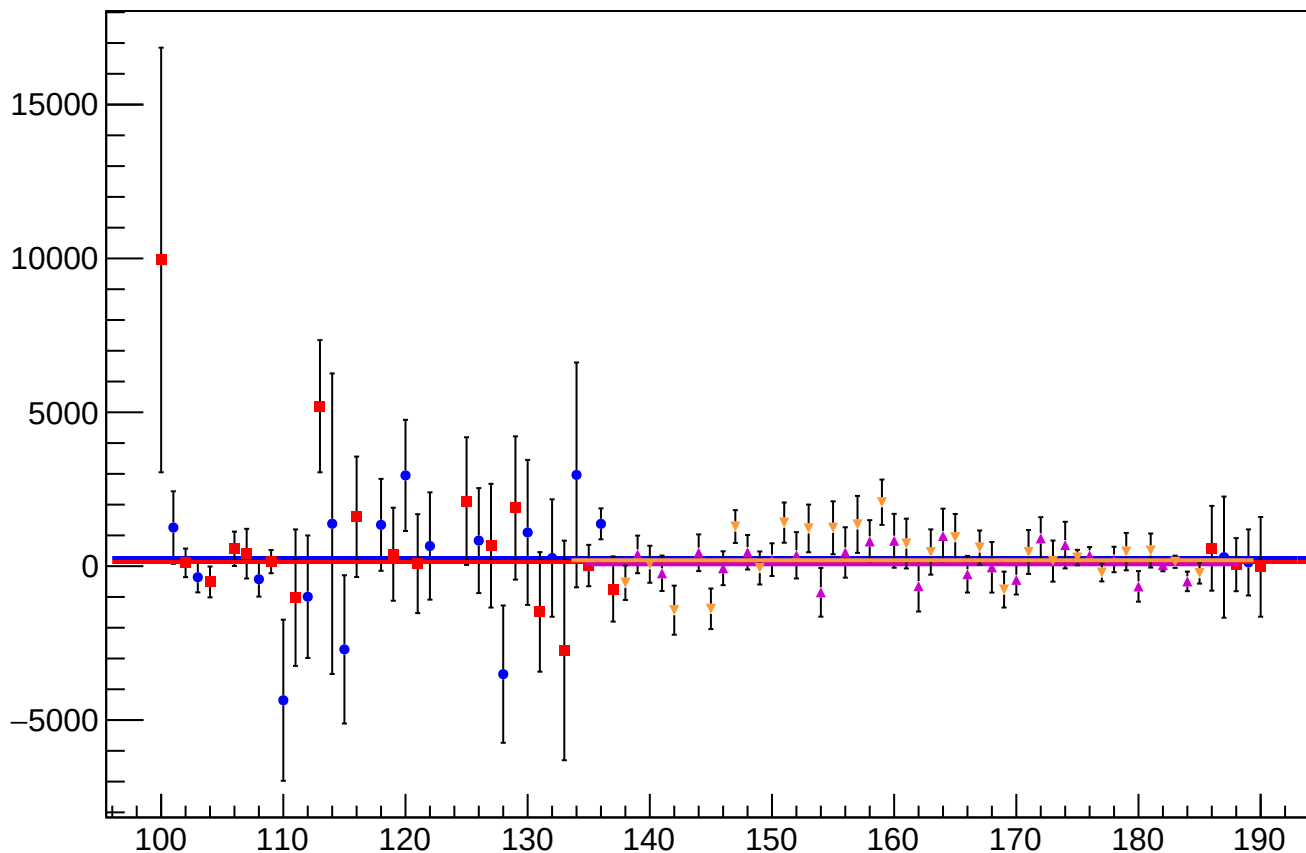
Left In: 1580.464 $\pm$ 0.261 χ^2 /NDF:125745.6/22

+ sign 1544.229 $\pm$ 0.214 χ^2 /NDF: 704775.3/41

All: 1543.267 $\pm$ 0.150 χ^2 /NDF: 1285825.8/85

- sign 1542.333 $\pm$ 0.211 χ^2 /NDF: 581010.6/43

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 265.452 $\pm$ 251.121 χ^2 /NDF: 20.2/17

Left Out: 193.312 $\pm$ 95.894 χ^2 /NDF:40.1/23

Right Out: 134.917 $\pm$ 187.979 χ^2 /NDF: 14.6/20

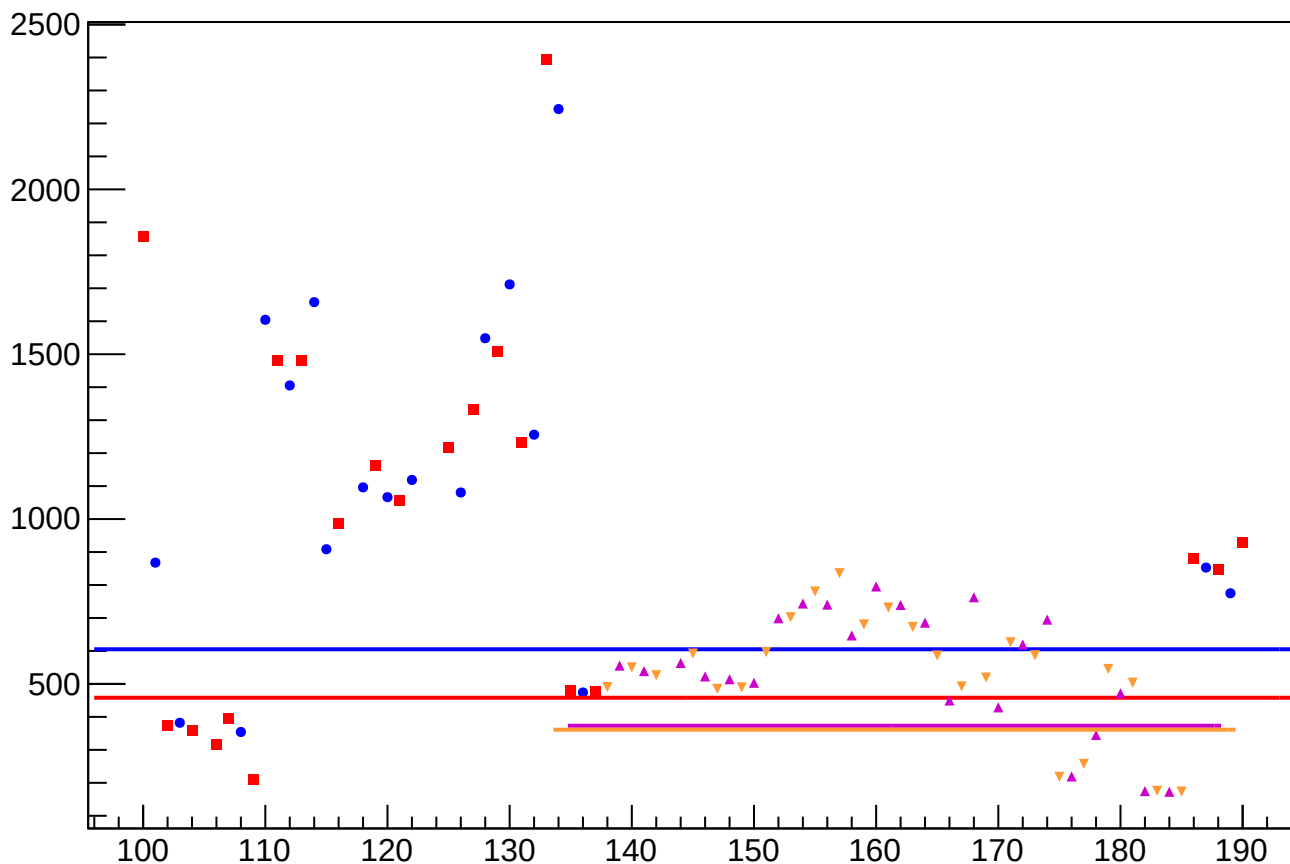
Left In: 62.181 $\pm$ 99.718 χ^2 /NDF:17.0/22

+ sign 202.493 $\pm$ 89.585 χ^2 /NDF: 60.4/41

All: 139.278 $\pm$ 62.811 χ^2 /NDF: 93.0/85

- sign 78.154 $\pm$ 88.091 χ^2 /NDF: 31.7/43

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 605.089+/-0.178 χ^2/NDF : 3973350.2/17

Left Out: 361.103+/-0.068 χ^2/NDF : 8182968.2/23

Right Out: 458.052+/-0.133 χ^2/NDF : 5683612.1/20

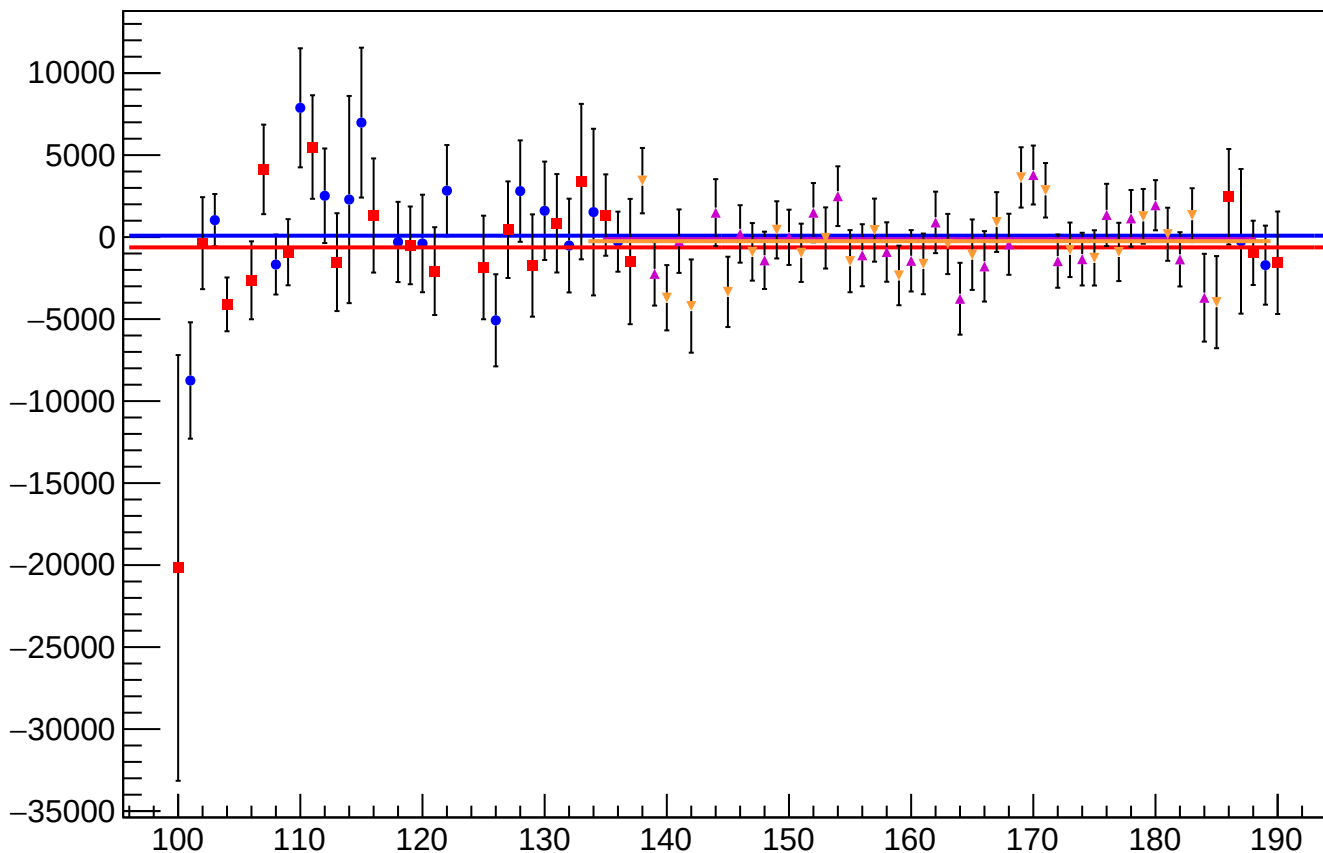
Left In: 373.145+/-0.071 χ^2/NDF : 8207110.6/22

+ sign 392.154+/-0.063 χ^2/NDF : 13804012.1/41

All: 391.969+/-0.044 χ^2/NDF : 28013183.2/85

- sign 391.791+/-0.062 χ^2/NDF : 14209154.4/43

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 85.677+/-635.451 χ^2/NDF : 21.3/17

Left Out: -247.110+/-378.224 χ^2/NDF : 26.0/23

Right Out: -626.705+/-591.373 χ^2/NDF : 18.3/20

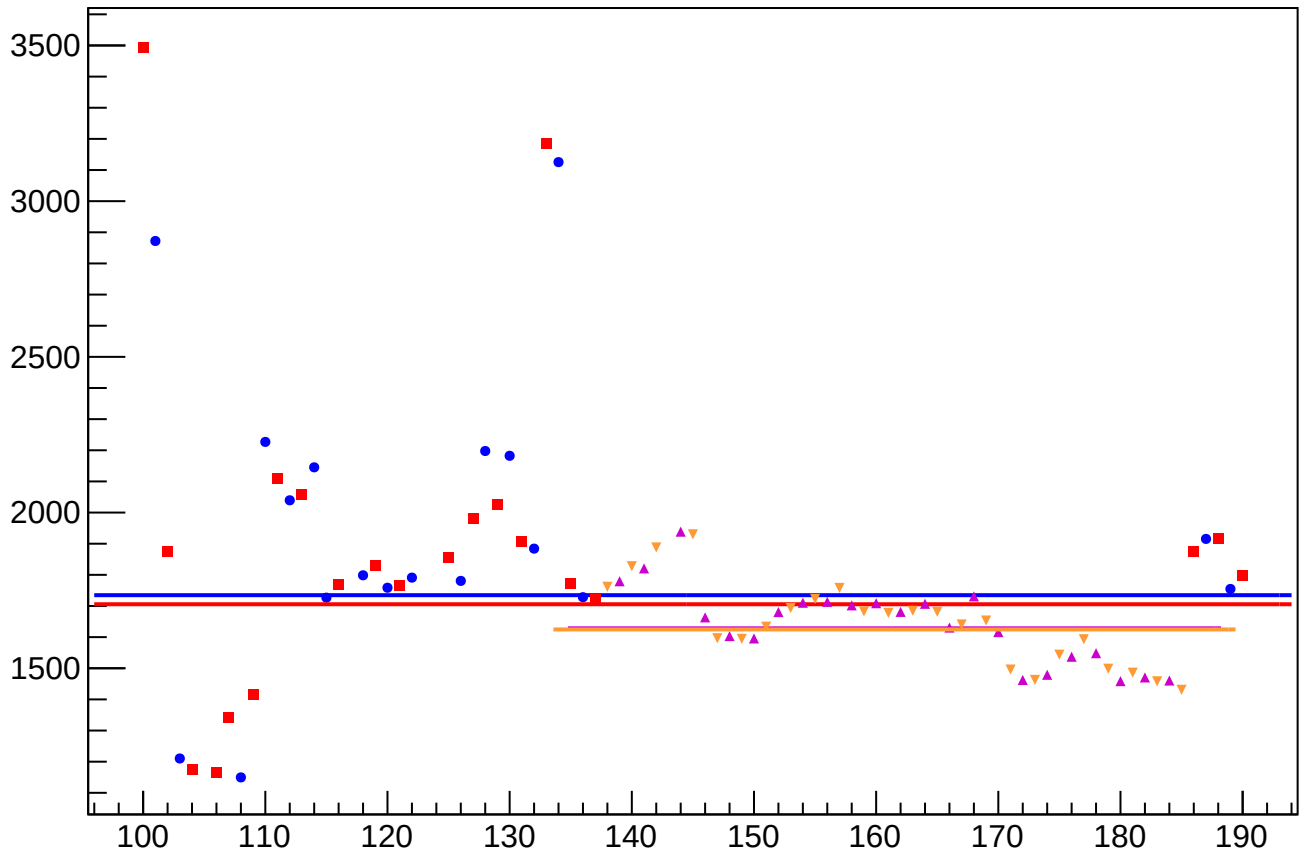
Left In: -126.114+/-381.305 χ^2/NDF : 21.2/22

+ sign -160.055+/-325.010 χ^2/NDF : 47.6/41

All: -217.381+/-228.193 χ^2/NDF : 87.6/85

- sign -273.115+/-320.465 χ^2/NDF : 40.0/43

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1734.705 $\pm$ 0.449 χ^2 /NDF: 945721.5/17

Left Out: 1624.614 $\pm$ 0.267 χ^2 /NDF: 207257.7/23

+ sign 1653.413 $\pm$ 0.230 χ^2 /NDF: 1197305.2/41

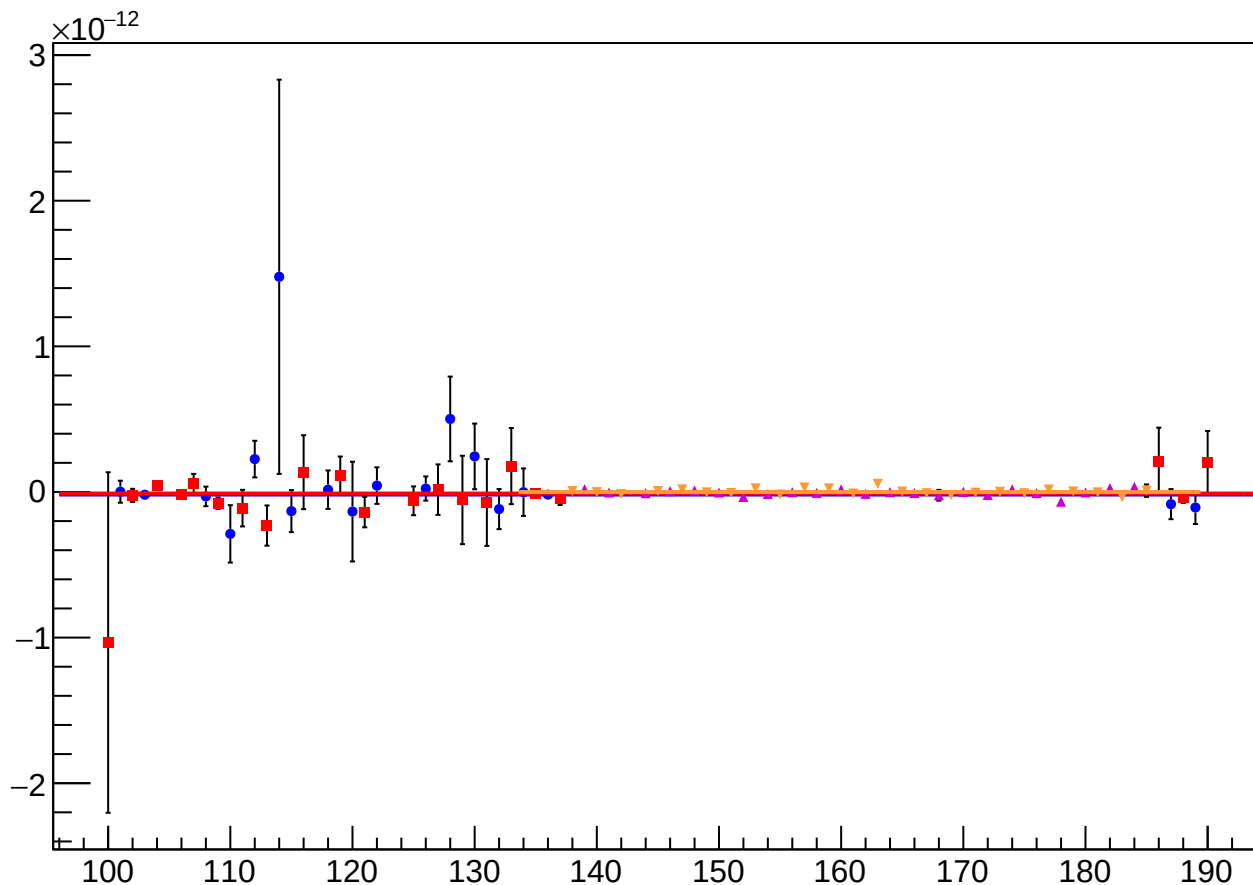
Right Out: 1705.557 $\pm$ 0.418 χ^2 /NDF: 782217.8/20

All: 1652.155 $\pm$ 0.161 χ^2 /NDF: 2208622.7/85

Left In: 1628.221 $\pm$ 0.270 χ^2 /NDF: 204880.6/22

- sign 1650.931 $\pm$ 0.227 χ^2 /NDF: 1011258.3/43

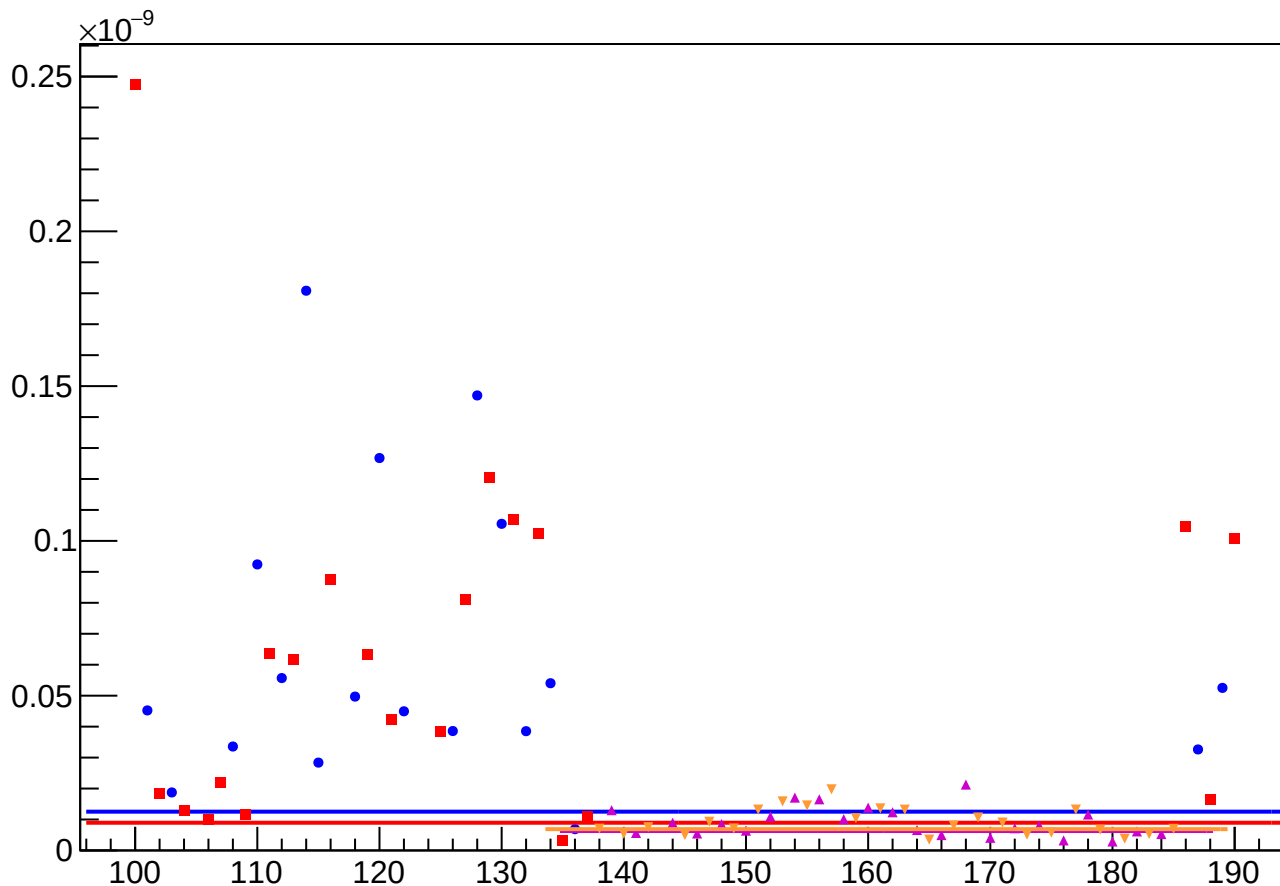
asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 14.3/17
 Left Out: -0.000+/-0.000 χ^2/NDF : 22.6/23
 Right Out: -0.000+/-0.000 χ^2/NDF : 18.9/20
 Left In: -0.000+/-0.000 χ^2/NDF : 24.2/22

+ sign -0.000+/-0.000 χ^2/NDF : 39.5/41
 All: -0.000+/-0.000 χ^2/NDF : 83.7/85
 - sign -0.000+/-0.000 χ^2/NDF : 44.2/43

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3756846.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2256547.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4318793.0/20

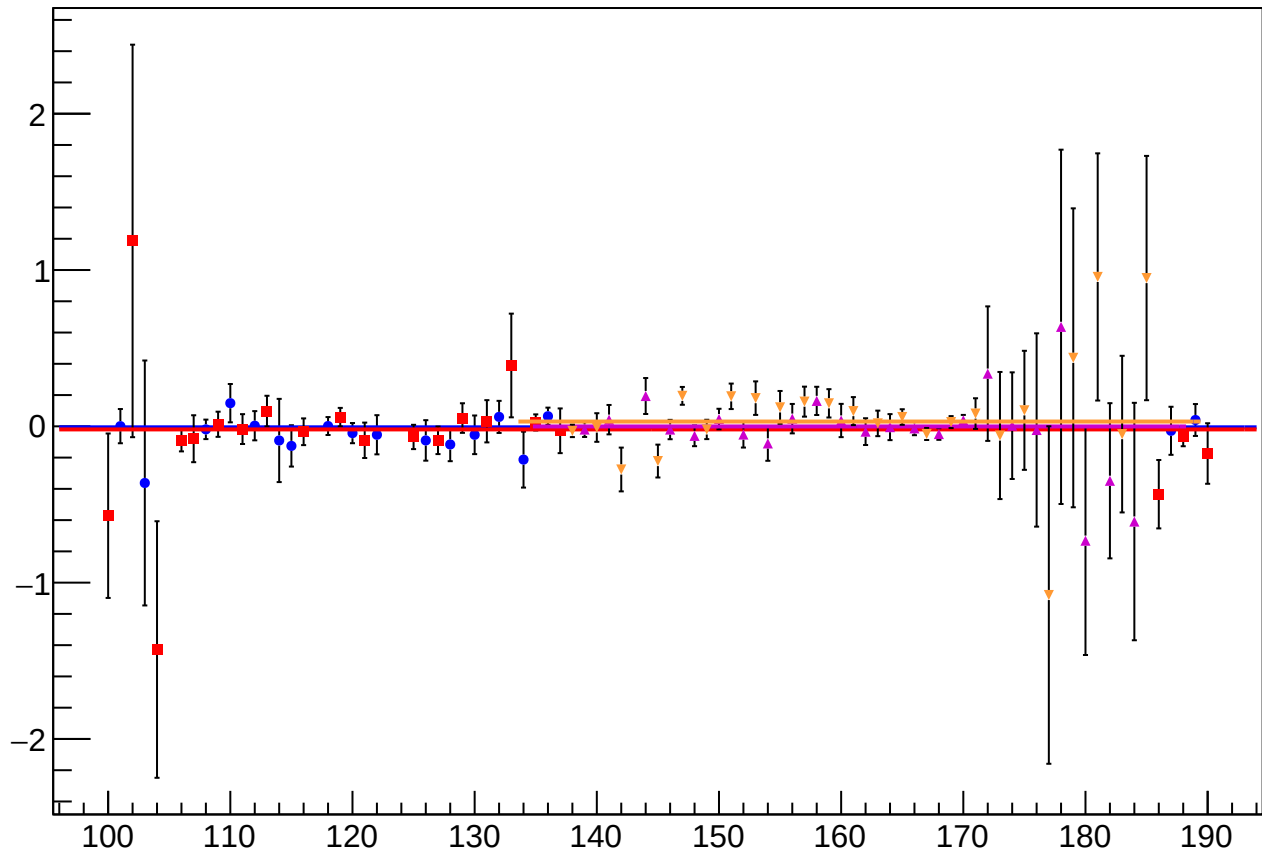
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2888385.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 6583494.8/41

All: 0.000 $\pm$ 0.000 χ^2/NDF : 14051800.0/85

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 7387347.9/43

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.022 χ^2/NDF : 8.5/17

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.020 ± 0.021 χ^2/NDF : 18.8/20

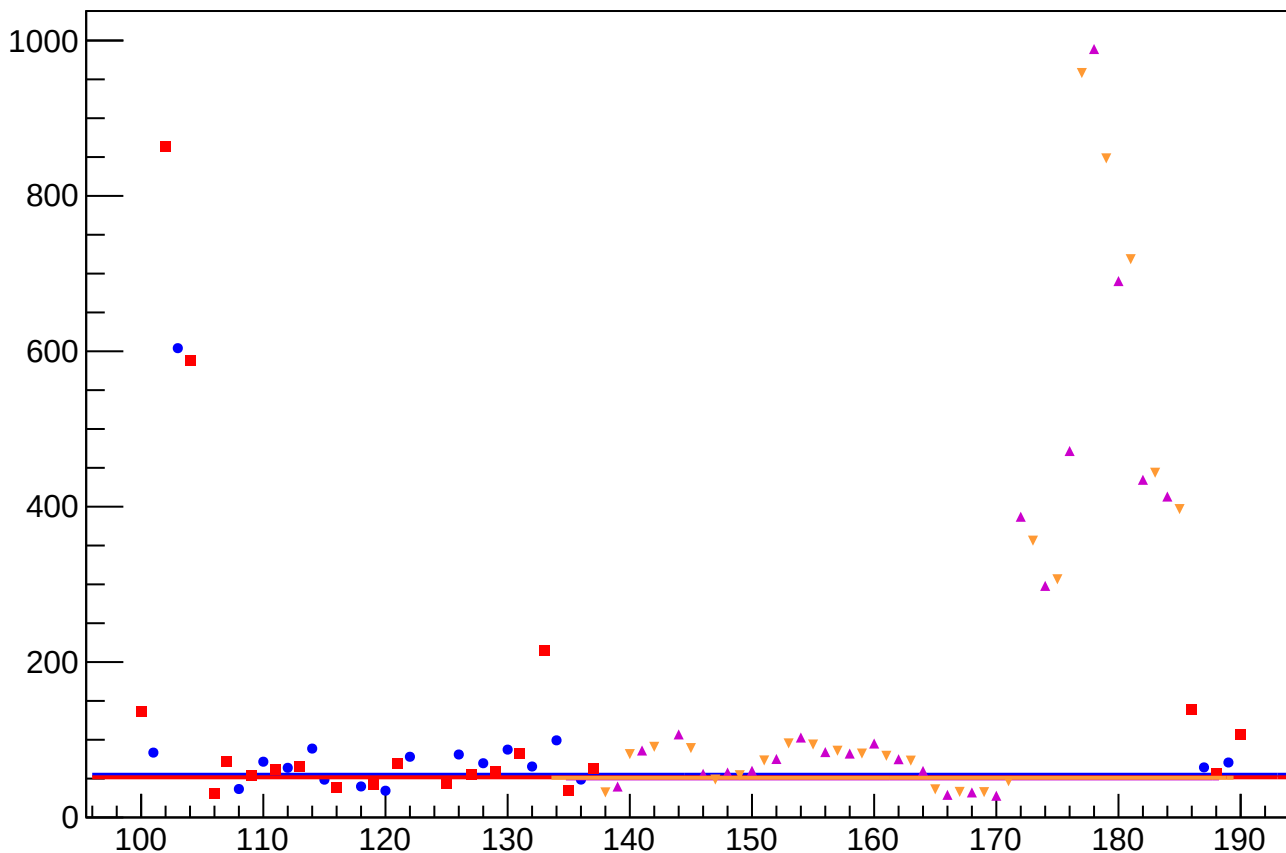
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.019 ± 0.013 χ^2/NDF : 51.9/41

All: 0.005 ± 0.009 χ^2/NDF : 89.5/85

- sign -0.007 ± 0.012 χ^2/NDF : 35.4/43

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 54.949 $\pm$ 0.016 χ^2 /NDF: 2273622.7/17

Left Out: 51.081 $\pm$ 0.011 χ^2 /NDF: 11736636.7/23

Right Out: 51.674 $\pm$ 0.015 χ^2 /NDF: 3527401.5/20

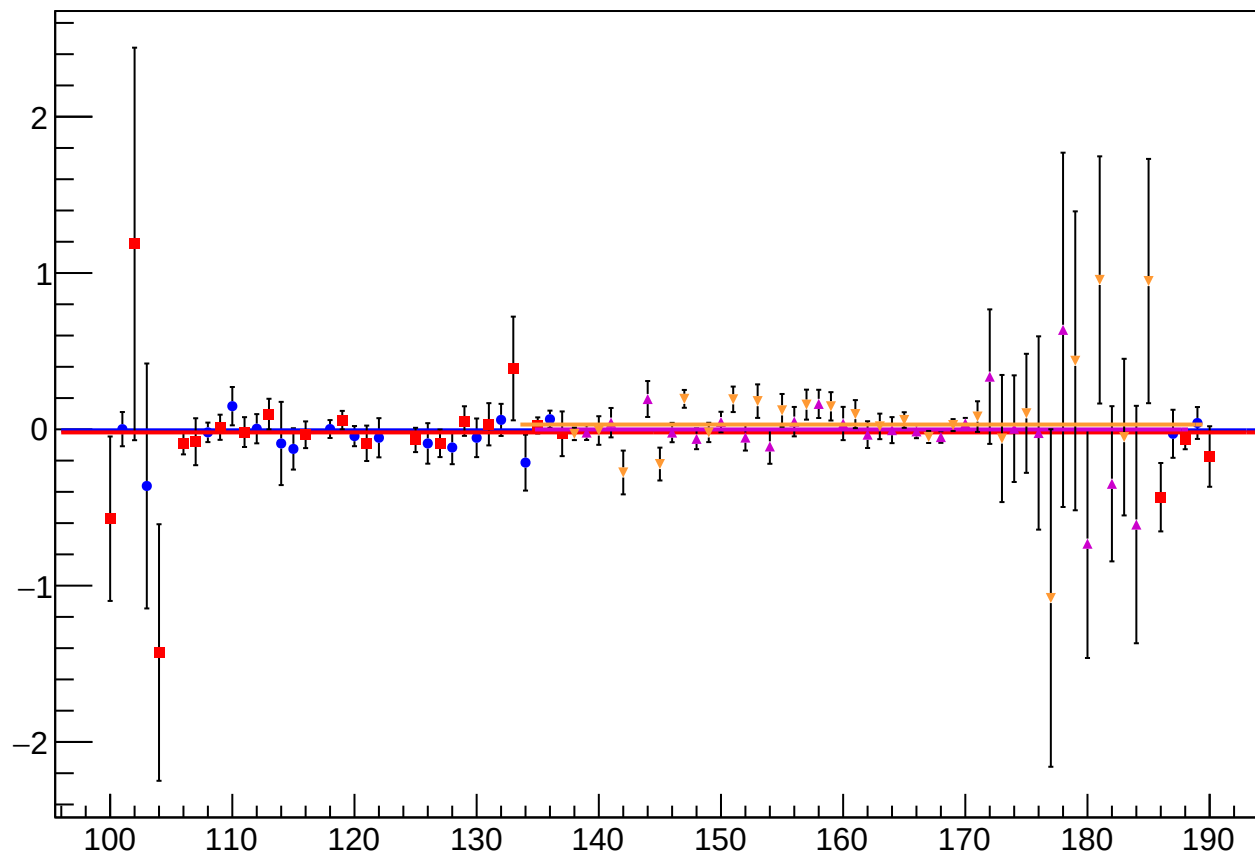
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195723.8/22

+ sign 52.338 $\pm$ 0.009 χ^2 /NDF: 14050875.0/41

All: 51.518 $\pm$ 0.006 χ^2 /NDF: 29796232.2/85

- sign 50.753 $\pm$ 0.009 χ^2 /NDF: 15729271.3/43

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.022 $\chi^2/\text{NDF}: 8.5/17$

Left Out: 0.031 ± 0.015 $\chi^2/\text{NDF}: 41.5/23$

Right Out: -0.020 ± 0.021 $\chi^2/\text{NDF}: 18.8/20$

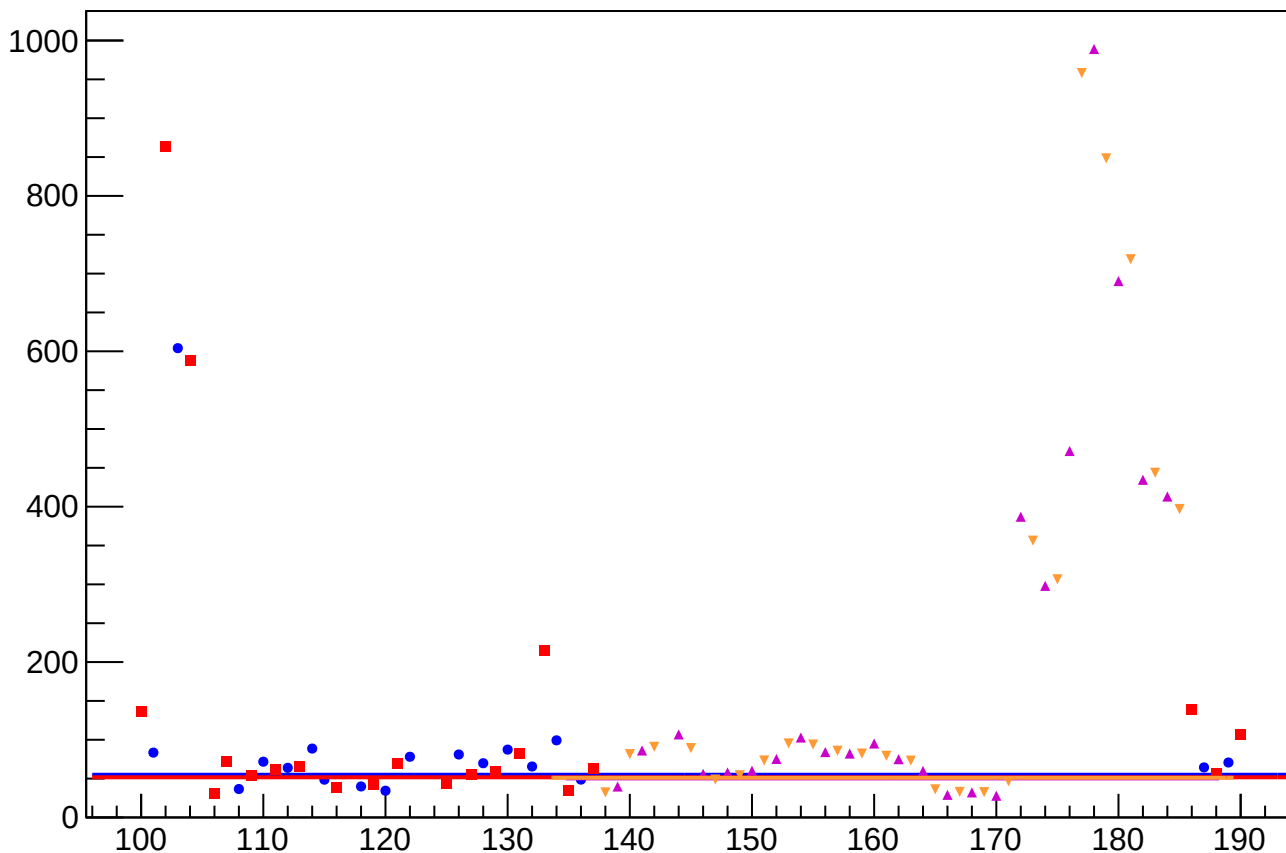
Left In: -0.001 ± 0.015 $\chi^2/\text{NDF}: 16.0/22$

+ sign 0.019 ± 0.013 $\chi^2/\text{NDF}: 51.9/41$

All: 0.005 ± 0.009 $\chi^2/\text{NDF}: 89.5/85$

- sign -0.007 ± 0.012 $\chi^2/\text{NDF}: 35.4/43$

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 54.949 $\pm$ 0.016 χ^2 /NDF: 2273622.7/17

Left Out: 51.081 $\pm$ 0.011 χ^2 /NDF: 11736636.7/23

Right Out: 51.674 $\pm$ 0.015 χ^2 /NDF: 3527401.5/20

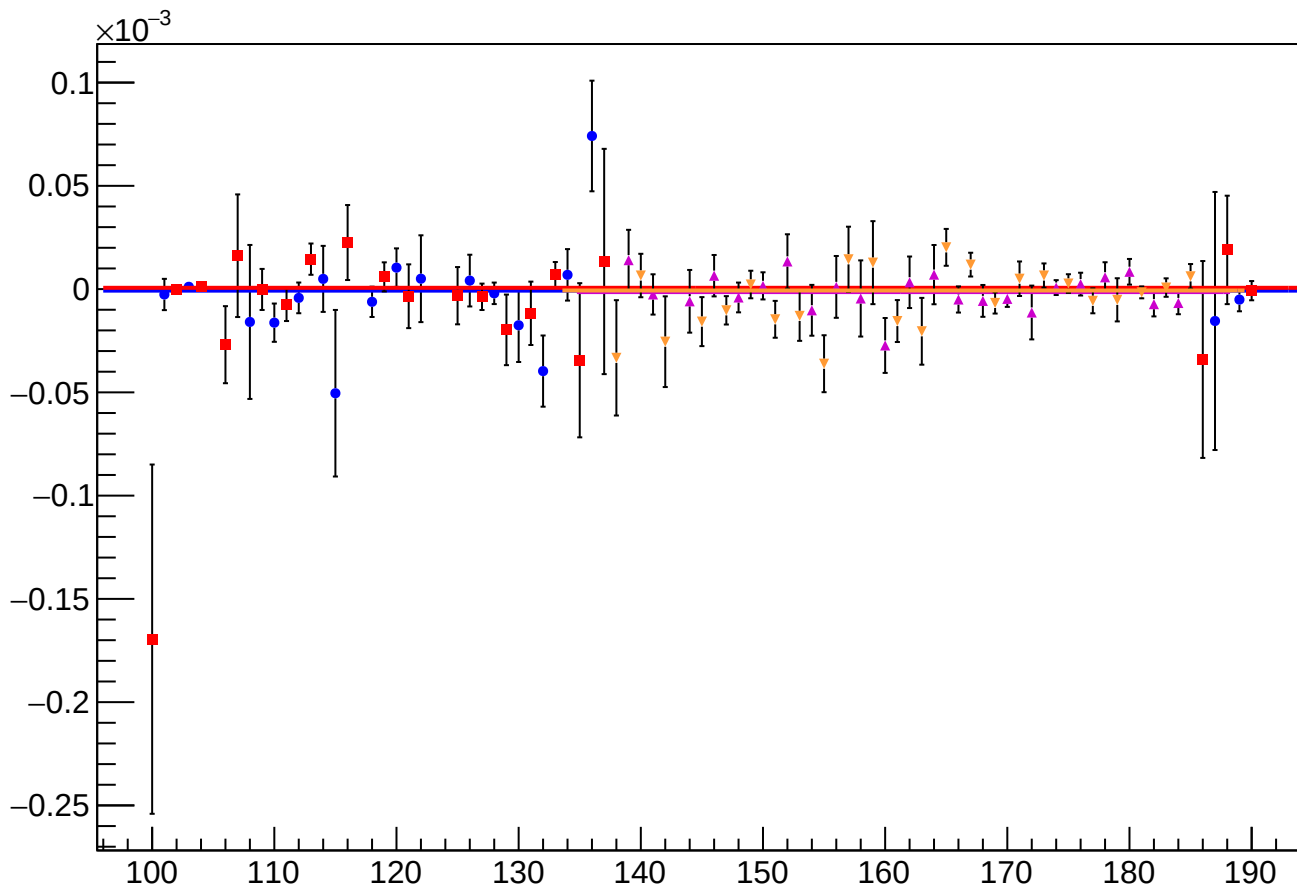
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195723.8/22

+ sign 52.338 $\pm$ 0.009 χ^2 /NDF: 14050875.0/41

All: 51.518 $\pm$ 0.006 χ^2 /NDF: 29796232.2/85

- sign 50.753 $\pm$ 0.009 χ^2 /NDF: 15729271.3/43

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 22.8/17

Left Out: -0.000+/-0.000 χ^2/NDF : 38.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 18.9/20

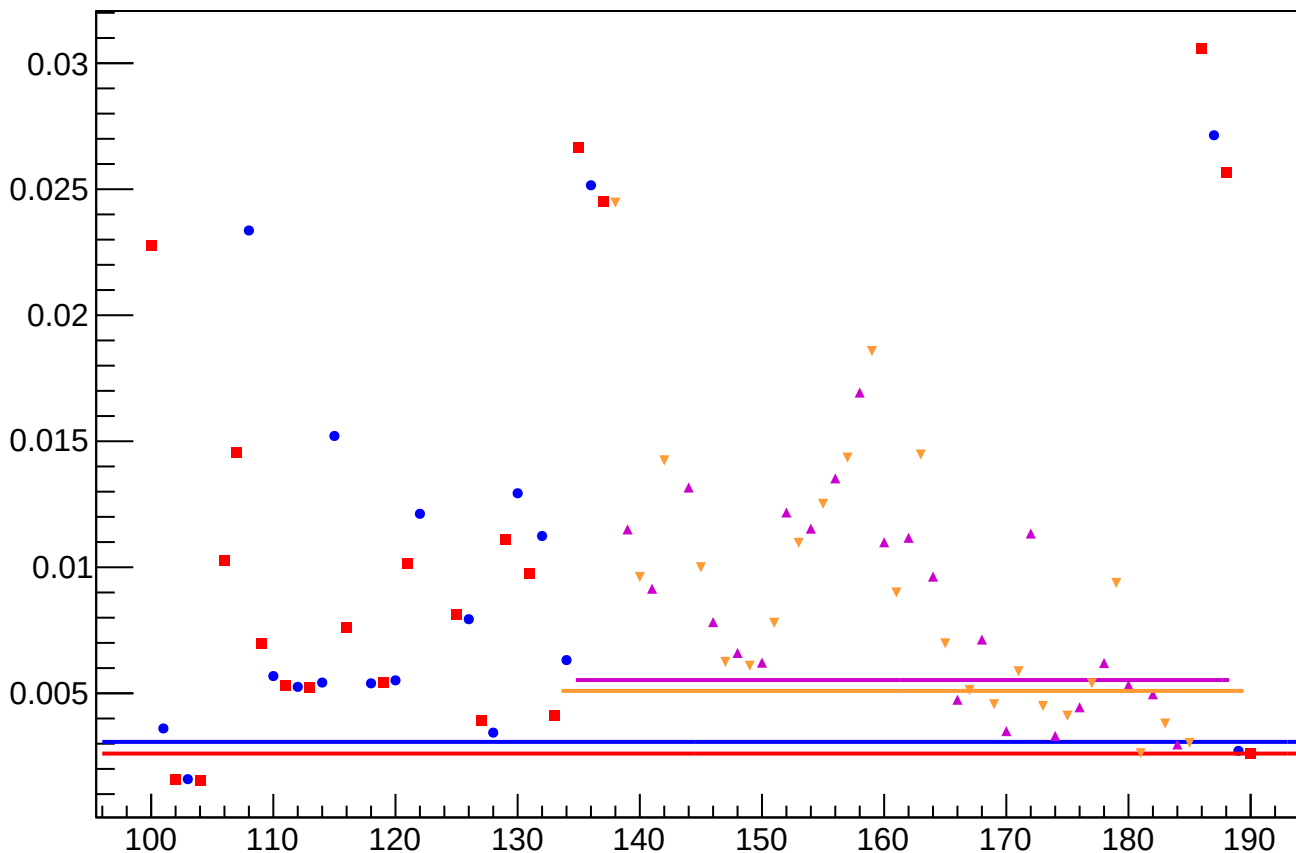
Left In: -0.000+/-0.000 χ^2/NDF : 16.4/22

+ sign -0.000+/-0.000 χ^2/NDF : 61.3/41

All: -0.000+/-0.000 χ^2/NDF : 98.0/85

- sign -0.000+/-0.000 χ^2/NDF : 36.5/43

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 6083964.2/17

Left Out: 0.005+/-0.000 χ^2/NDF : 8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF : 8474453.4/20

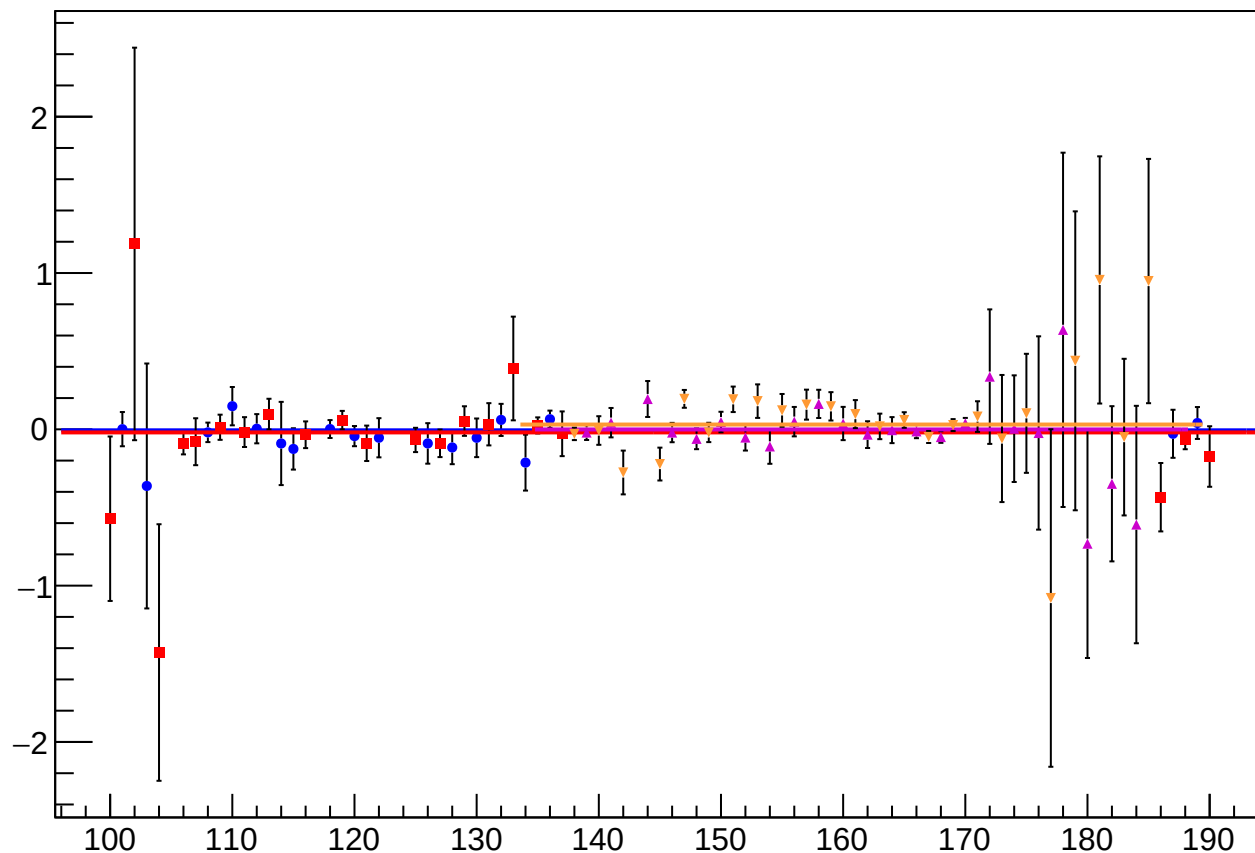
Left In: 0.006+/-0.000 χ^2/NDF : 6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF : 16341330.1/41

All: 0.004+/-0.000 χ^2/NDF : 36409420.2/85

- sign 0.004+/-0.000 χ^2/NDF : 19879467.0/43

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.022 $\chi^2/\text{NDF}: 8.5/17$

Left Out: 0.031 ± 0.015 $\chi^2/\text{NDF}: 41.5/23$

Right Out: -0.020 ± 0.021 $\chi^2/\text{NDF}: 18.8/20$

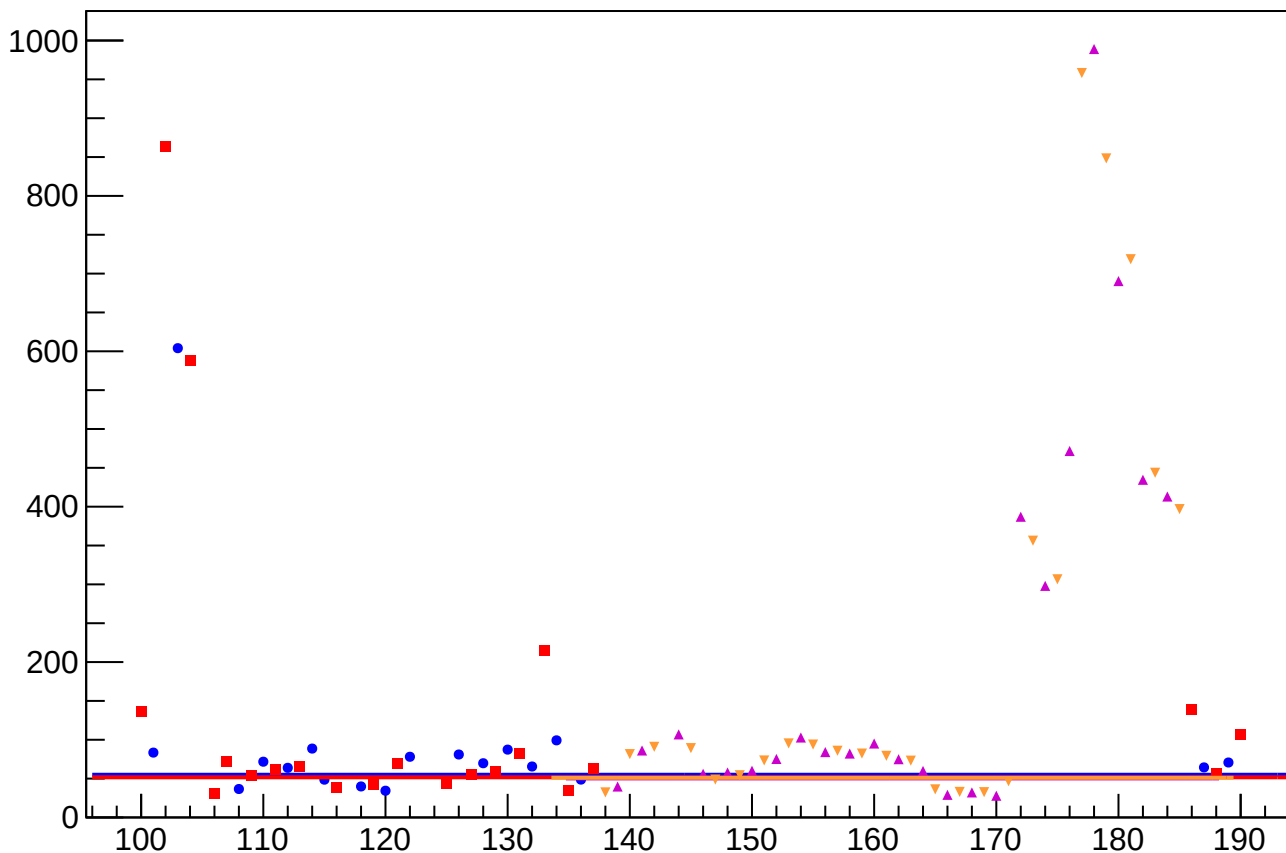
Left In: -0.001 ± 0.015 $\chi^2/\text{NDF}: 16.0/22$

+ sign 0.019 ± 0.013 $\chi^2/\text{NDF}: 51.9/41$

All: 0.005 ± 0.009 $\chi^2/\text{NDF}: 89.5/85$

- sign -0.007 ± 0.012 $\chi^2/\text{NDF}: 35.4/43$

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 54.952 $\pm$ 0.016 χ^2 /NDF: 2273218.6/17

Left Out: 51.083 $\pm$ 0.011 χ^2 /NDF: 11735805.5/23

Right Out: 51.676 $\pm$ 0.015 χ^2 /NDF: 3527121.9/20

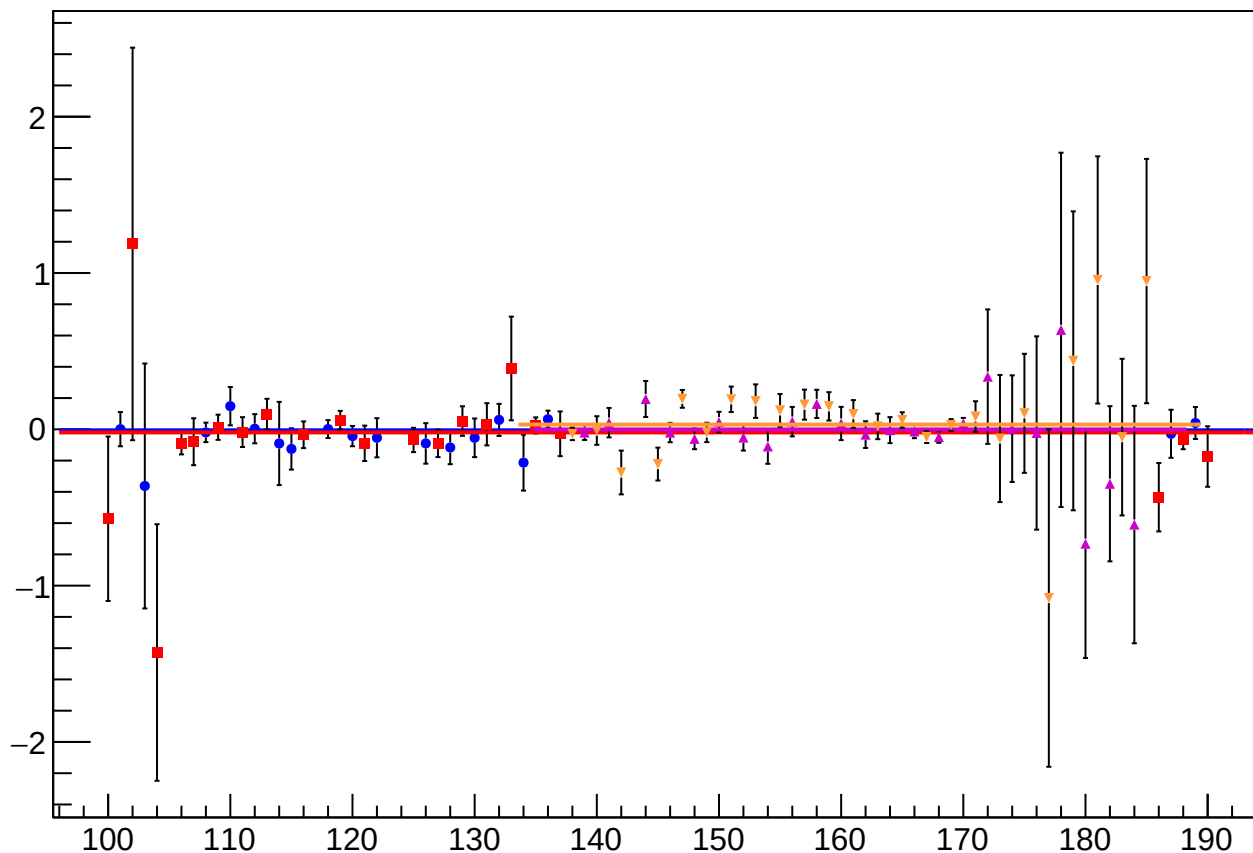
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195665.4/22

+ sign 52.341 $\pm$ 0.009 χ^2 /NDF: 14049655.4/41

All: 51.519 $\pm$ 0.006 χ^2 /NDF: 29794731.2/85

- sign 50.754 $\pm$ 0.009 χ^2 /NDF: 15728953.2/43

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.022 χ^2/NDF : 8.5/17

Left Out: 0.031 ± 0.015 χ^2/NDF : 41.5/23

Right Out: -0.020 ± 0.021 χ^2/NDF : 18.8/20

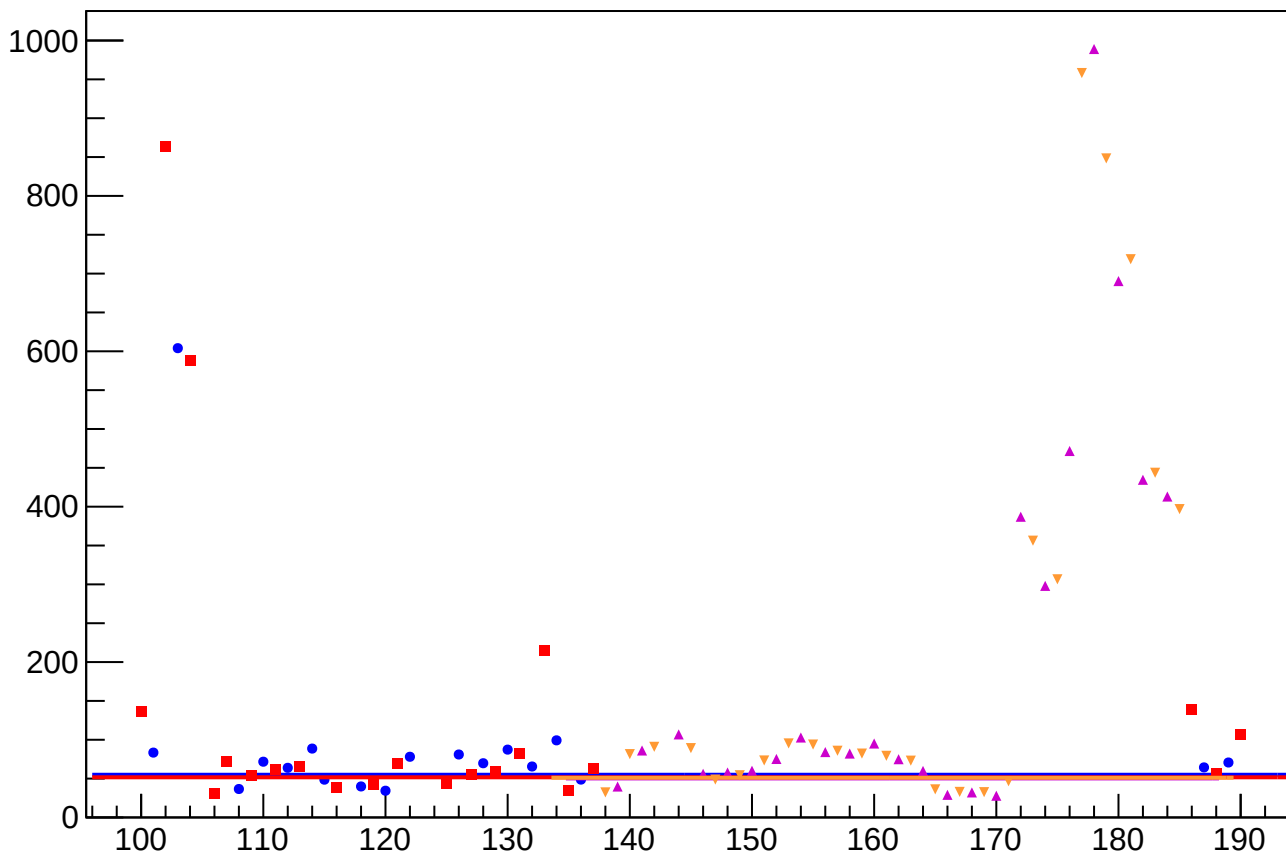
Left In: -0.001 ± 0.015 χ^2/NDF : 16.0/22

+ sign 0.019 ± 0.013 χ^2/NDF : 51.9/41

All: 0.005 ± 0.009 χ^2/NDF : 89.5/85

- sign -0.007 ± 0.012 χ^2/NDF : 35.4/43

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 54.952 $\pm$ 0.016 χ^2 /NDF: 2273218.6/17

Left Out: 51.083 $\pm$ 0.011 χ^2 /NDF: 11735805.5/23

Right Out: 51.676 $\pm$ 0.015 χ^2 /NDF: 3527121.9/20

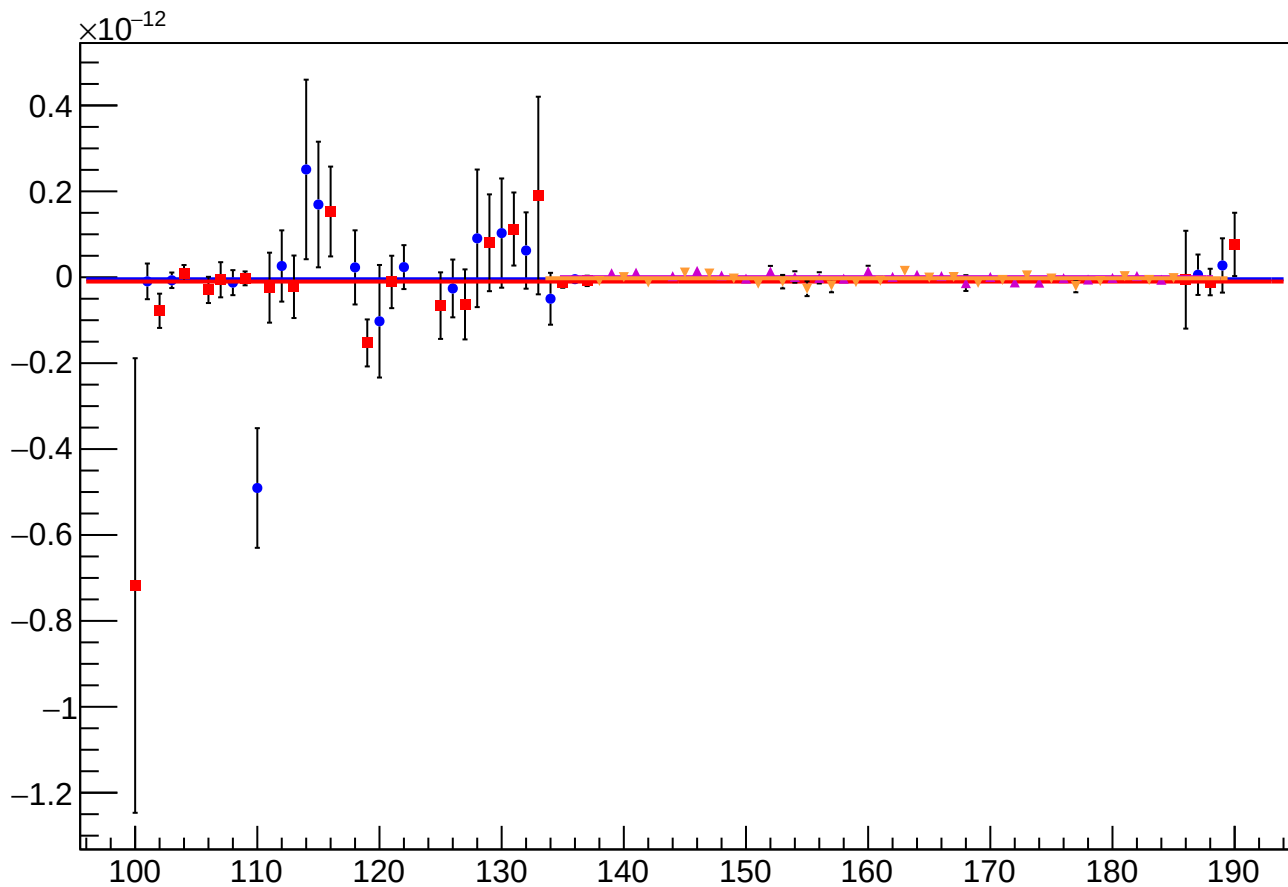
Left In: 50.251 $\pm$ 0.011 χ^2 /NDF: 12195665.4/22

+ sign 52.341 $\pm$ 0.009 χ^2 /NDF: 14049655.4/41

All: 51.519 $\pm$ 0.006 χ^2 /NDF: 29794731.2/85

- sign 50.754 $\pm$ 0.009 χ^2 /NDF: 15728953.2/43

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 18.9/17

Left Out: -0.000+/-0.000 χ^2/NDF : 22.2/23

Right Out: -0.000+/-0.000 χ^2/NDF : 21.5/20

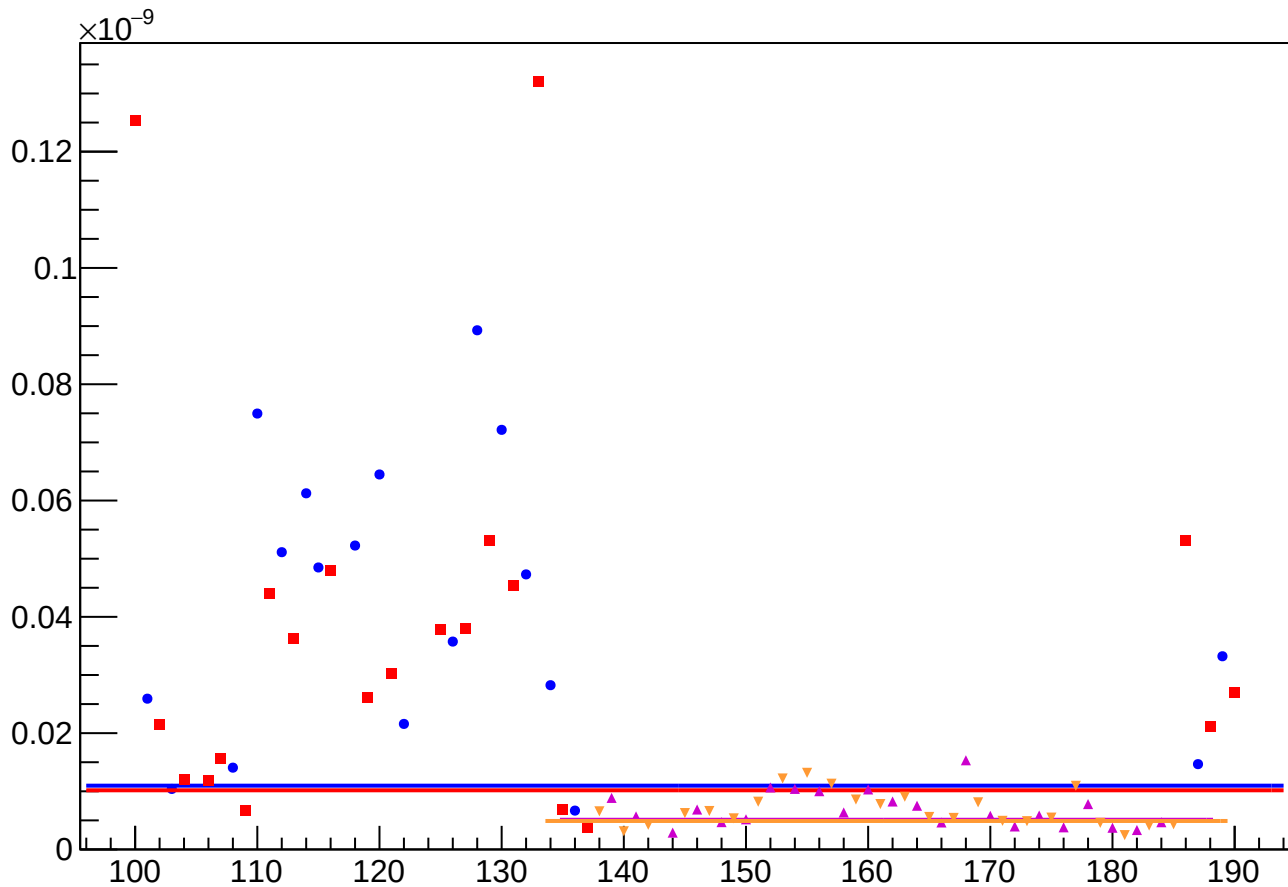
Left In: 0.000+/-0.000 χ^2/NDF : 18.2/22

+ sign -0.000+/-0.000 χ^2/NDF : 41.2/41

All: -0.000+/-0.000 χ^2/NDF : 84.4/85

- sign -0.000+/-0.000 χ^2/NDF : 42.2/43

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4822478.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 4697973.2/20

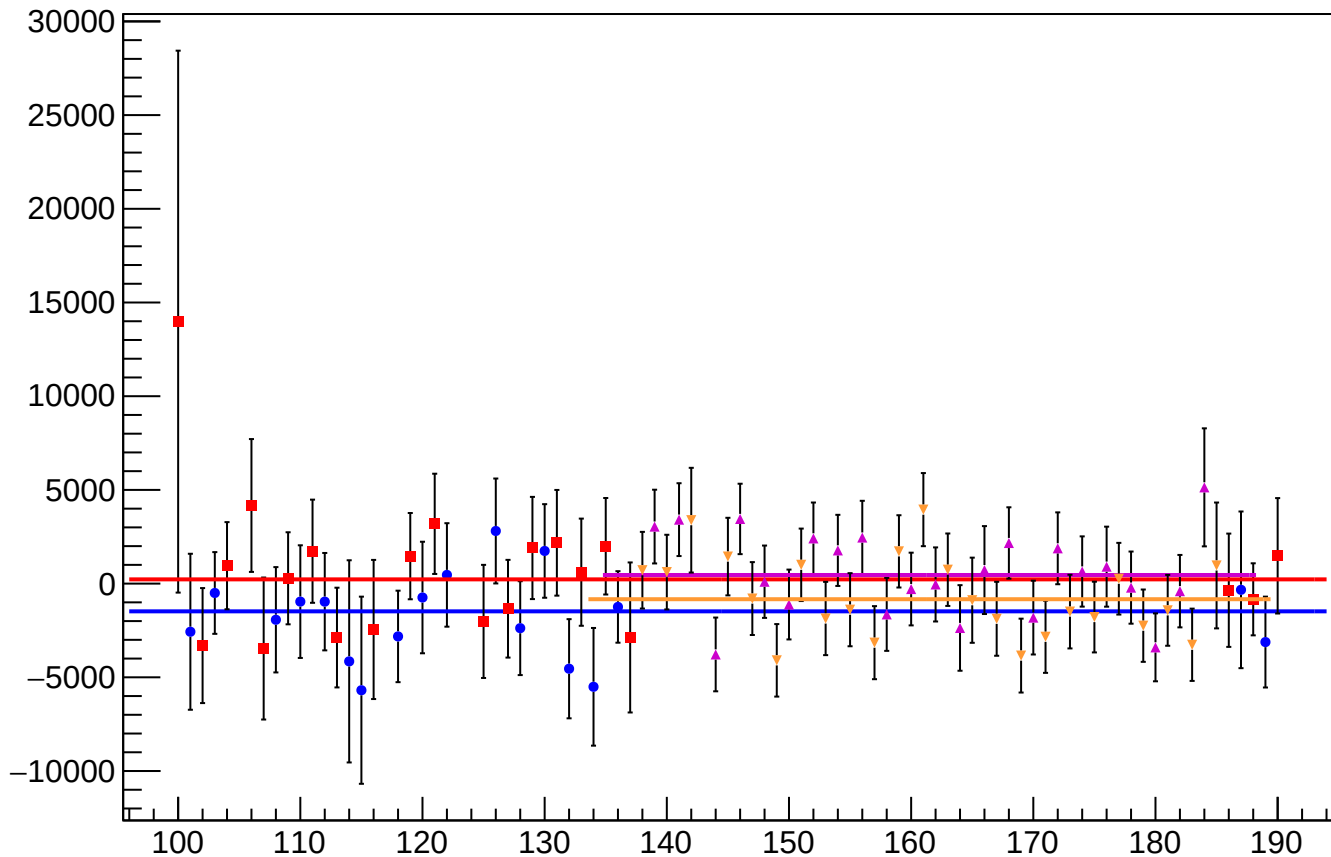
Left In: 0.000+/-0.000 χ^2/NDF : 3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 10685267.1/41

All: 0.000+/-0.000 χ^2/NDF : 20404071.5/85

- sign 0.000+/-0.000 χ^2/NDF : 9698696.0/43

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1479.992 ± 654.602 χ^2/NDF : 9.9/17

Left Out: -832.582 ± 410.448 χ^2/NDF : 25.4/23

Right Out: 226.304 ± 617.375 χ^2/NDF : 11.6/20

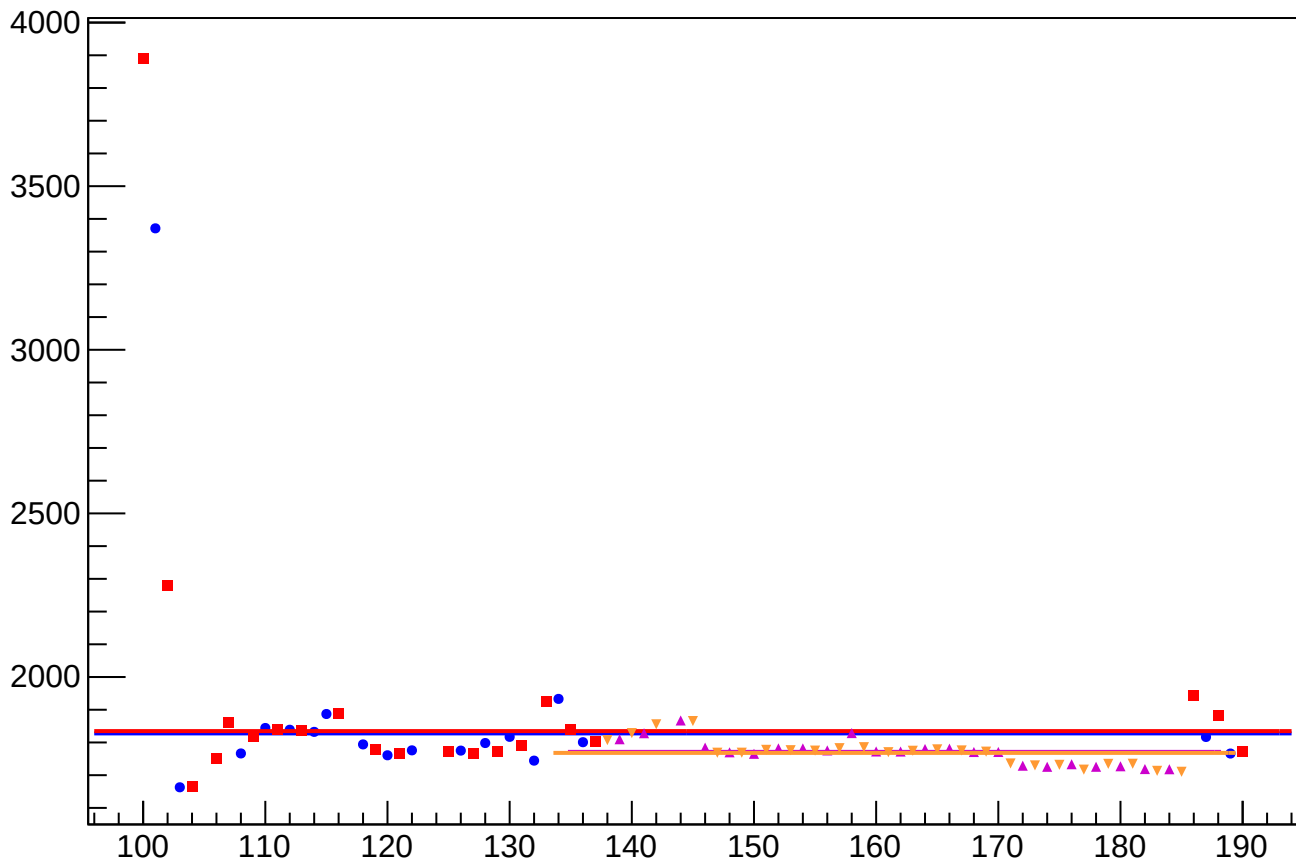
Left In: 459.594 ± 413.637 χ^2/NDF : 27.3/22

+ sign -1015.284 ± 347.743 χ^2/NDF : 36.0/41

All: -305.657 ± 244.427 χ^2/NDF : 83.2/85

- sign 387.317 ± 343.638 χ^2/NDF : 38.9/43

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1827.680 $\pm$ 0.463 χ^2 /NDF: 296858.3/17

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF: 16358.2/23

Right Out: 1834.727 $\pm$ 0.437 χ^2 /NDF: 107967.7/20

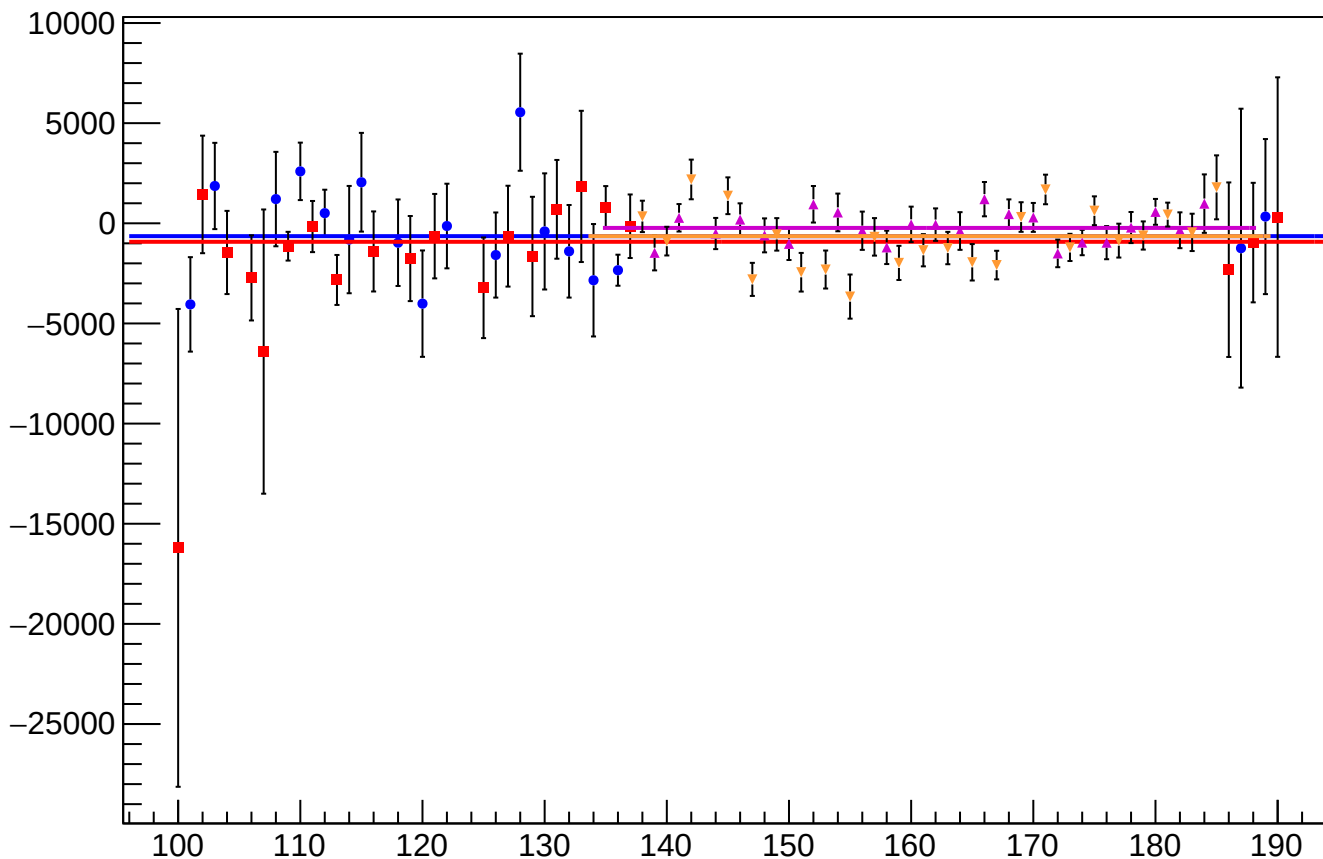
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF: 16425.7/22

+ sign 1784.932 $\pm$ 0.246 χ^2 /NDF: 325099.2/41

All: 1787.948 $\pm$ 0.173 χ^2 /NDF: 464397.3/85

- sign 1790.894 $\pm$ 0.243 χ^2 /NDF: 139000.8/43

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug



Right In: -641.618+/-438.407 χ^2/NDF : 23.3/17

Left Out: -641.029+/-166.449 χ^2/NDF : 66.7/23

Right Out: -922.854+/-387.892 χ^2/NDF : 11.7/20

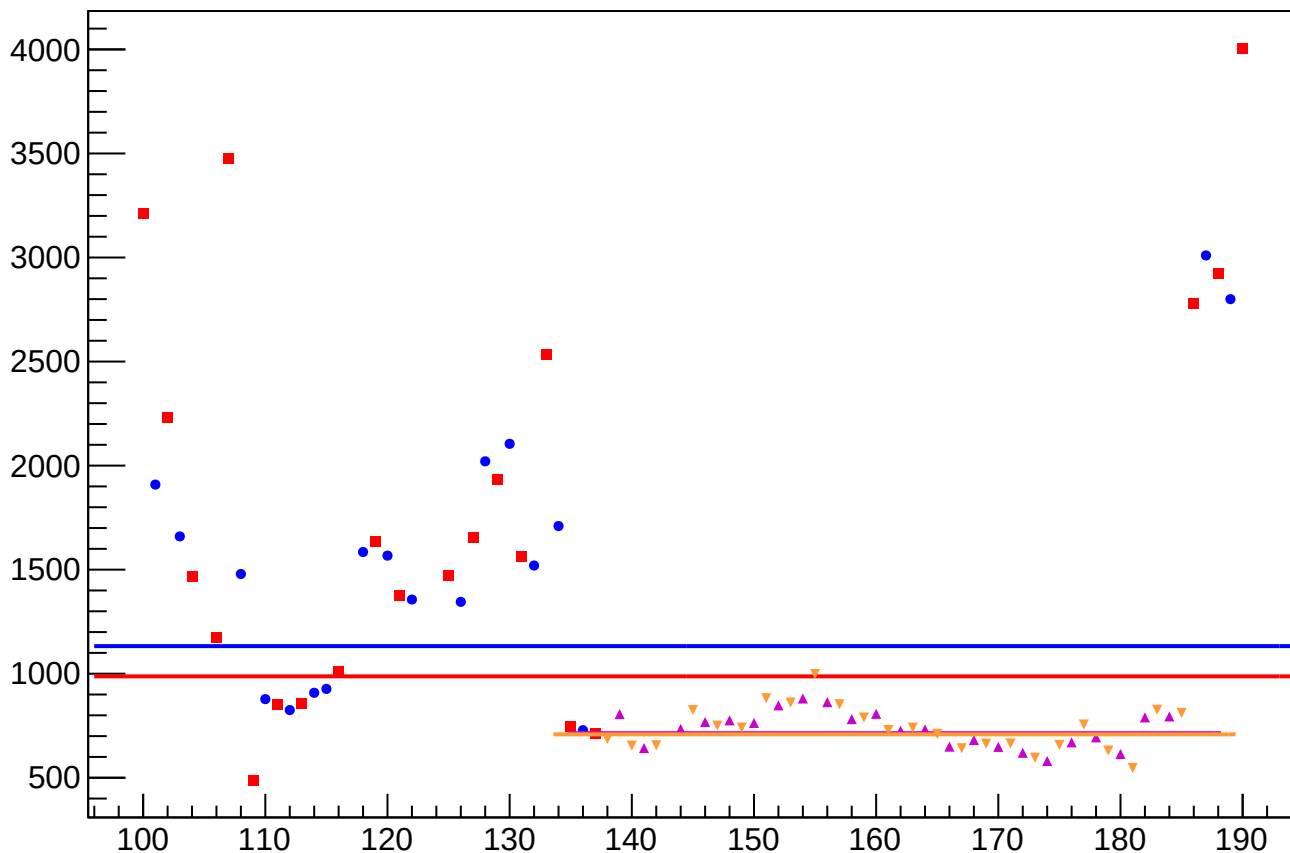
Left In: -230.653+/-168.319 χ^2/NDF : 19.9/22

+ sign -641.103+/-155.611 χ^2/NDF : 90.0/41

All: -489.554+/-109.606 χ^2/NDF : 126.2/85

- sign -340.339+/-154.408 χ^2/NDF : 34.3/43

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1132.503 $\pm$ 0.310 χ^2 /NDF: 2403409.5/17

Left Out: 708.503 $\pm$ 0.118 χ^2 /NDF: 700473.3/23

Right Out: 987.201 $\pm$ 0.274 χ^2 /NDF: 4650879.3/20

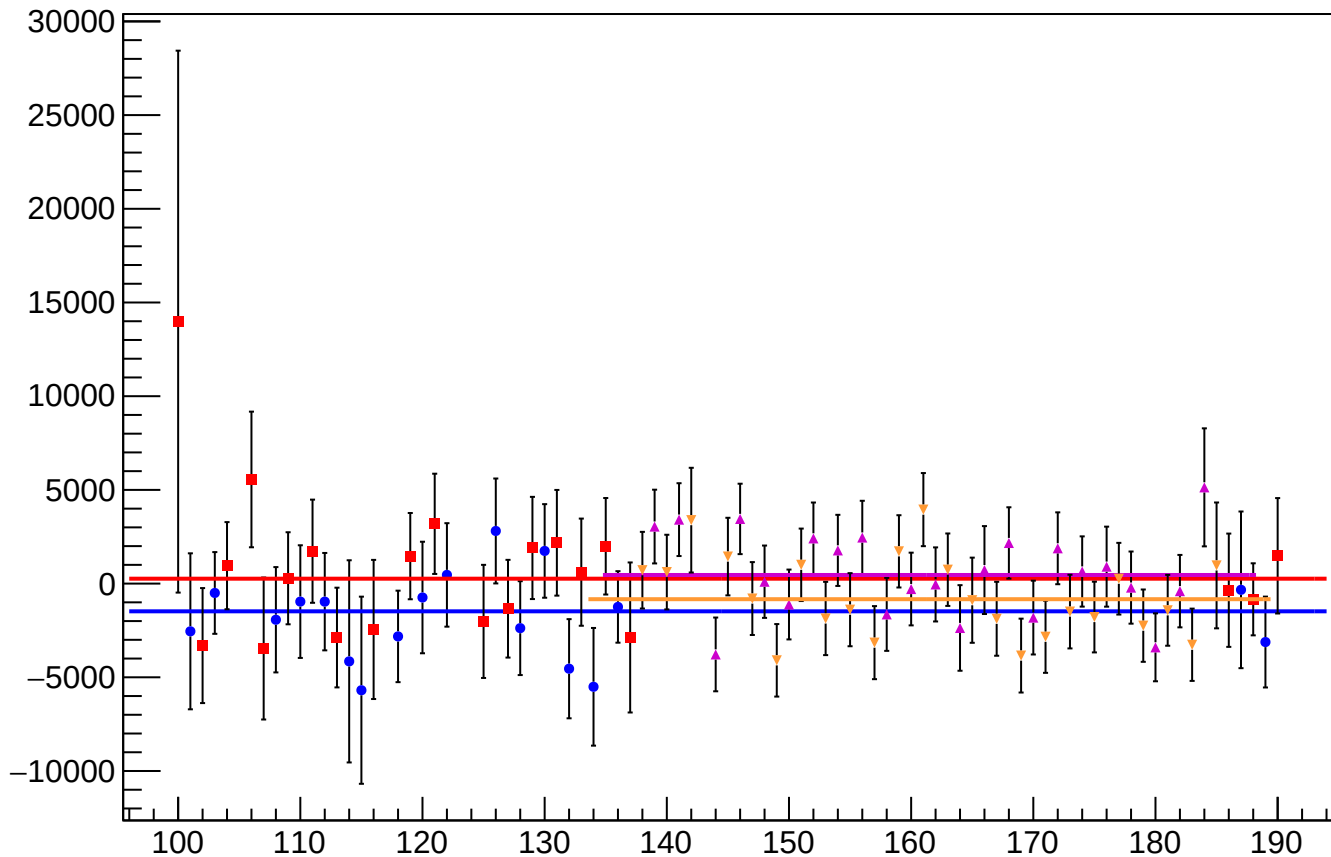
Left In: 714.162 $\pm$ 0.119 χ^2 /NDF: 497246.5/22

+ sign 761.921 $\pm$ 0.110 χ^2 /NDF: 4738912.2/41

All: 759.657 $\pm$ 0.078 χ^2 /NDF: 10721813.7/85

- sign 757.428 $\pm$ 0.109 χ^2 /NDF: 5982061.2/43

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1479.410 ± 654.602 χ^2/NDF : 9.8/17

Left Out: -832.476 ± 410.448 χ^2/NDF : 25.4/23

Right Out: 261.768 ± 617.757 χ^2/NDF : 12.5/20

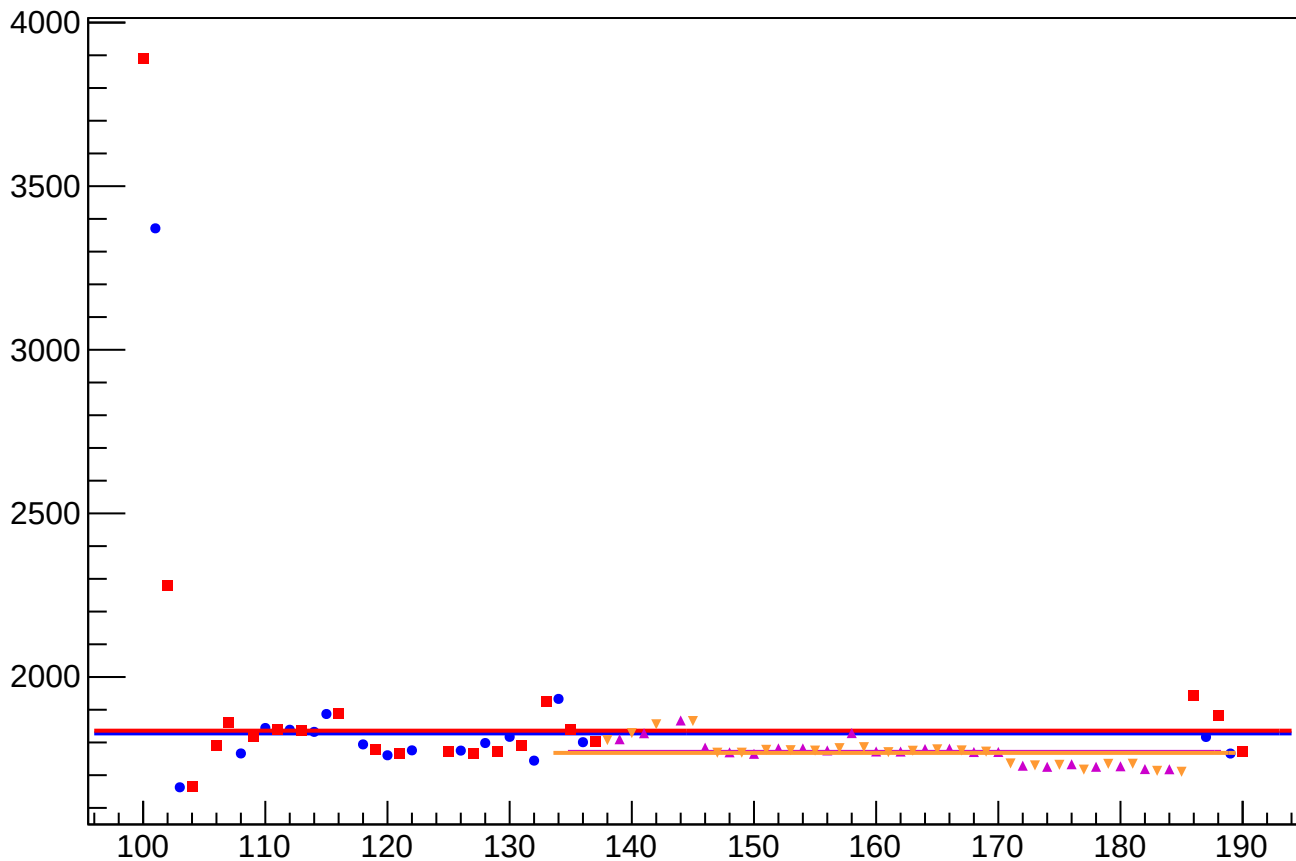
Left In: 459.554 ± 413.637 χ^2/NDF : 27.3/22

+ sign -1015.043 ± 347.743 χ^2/NDF : 36.0/41

All: -300.102 ± 244.451 χ^2/NDF : 84.2/85

- sign 398.329 ± 343.704 χ^2/NDF : 39.8/43

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1827.680 $\pm$ 0.463 χ^2 /NDF: 296860.2/17

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF: 16358.2/23

Right Out: 1836.022 $\pm$ 0.437 χ^2 /NDF: 107118.0/20

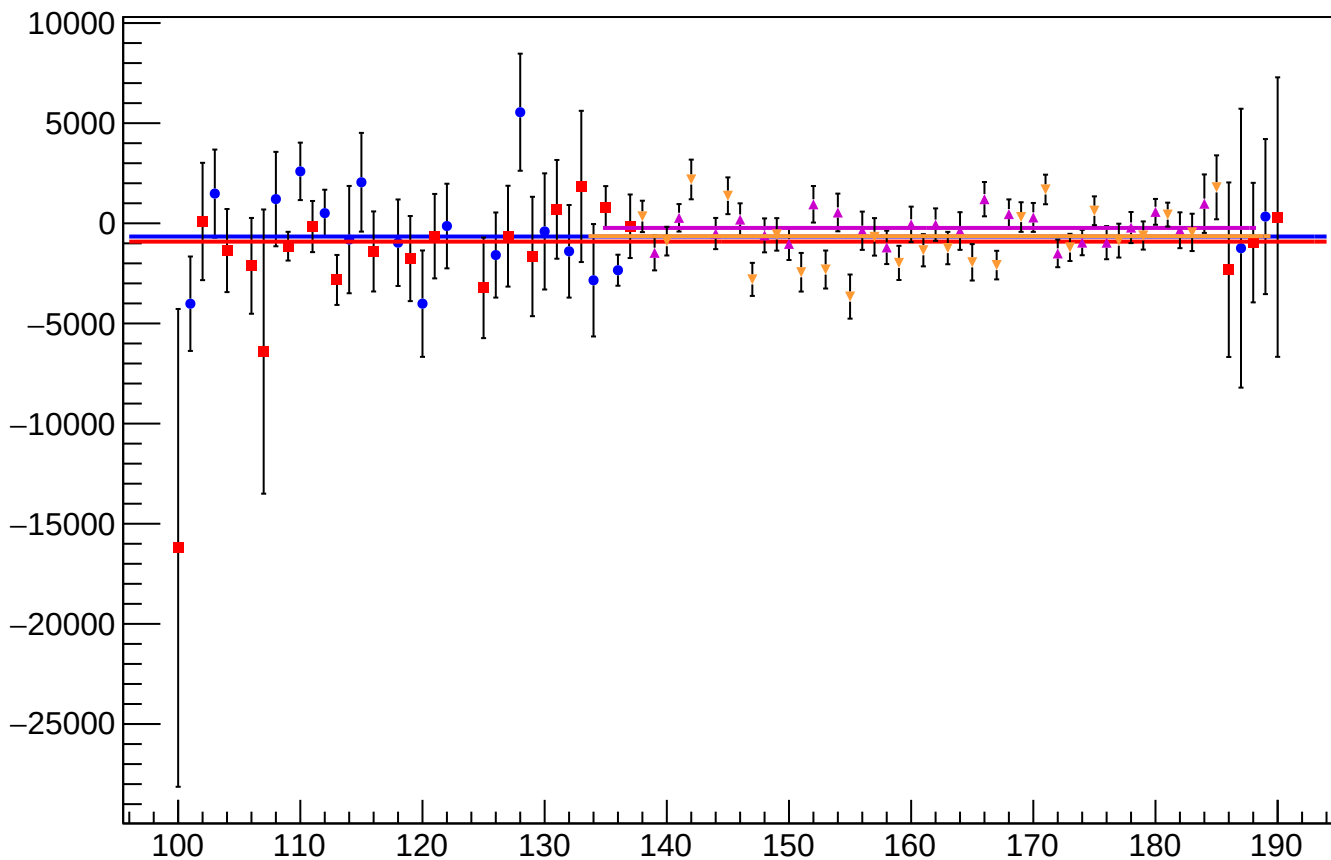
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF: 16425.7/22

+ sign 1784.932 $\pm$ 0.246 χ^2 /NDF: 325101.0/41

All: 1788.142 $\pm$ 0.173 χ^2 /NDF: 464178.0/85

- sign 1791.278 $\pm$ 0.243 χ^2 /NDF: 138740.1/43

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug



Right In: -659.877+/-438.768 χ^2/NDF : 22.8/17

Left Out: -641.004+/-166.450 χ^2/NDF : 66.7/23

Right Out: -914.327+/-389.227 χ^2/NDF : 10.6/20

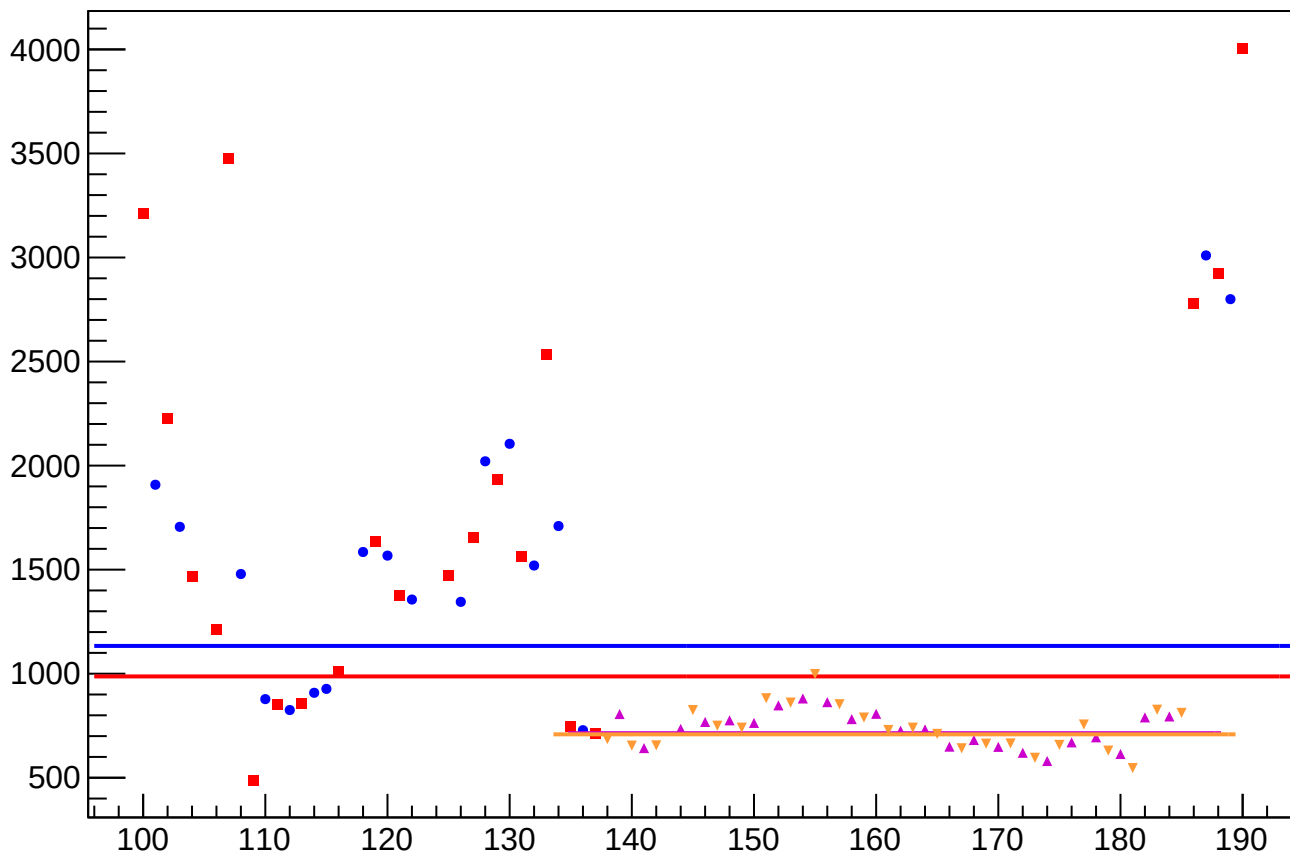
Left In: -230.572+/-168.320 χ^2/NDF : 19.9/22

+ sign -643.379+/-155.628 χ^2/NDF : 89.5/41

All: -489.721+/-109.642 χ^2/NDF : 124.6/85

- sign -338.297+/-154.493 χ^2/NDF : 33.2/43

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1133.456+/-0.310 χ^2/NDF : 2419149.3/17

Left Out: 708.508+/-0.118 χ^2/NDF : 700448.7/23

Right Out: 986.893+/-0.275 χ^2/NDF : 4651952.9/20

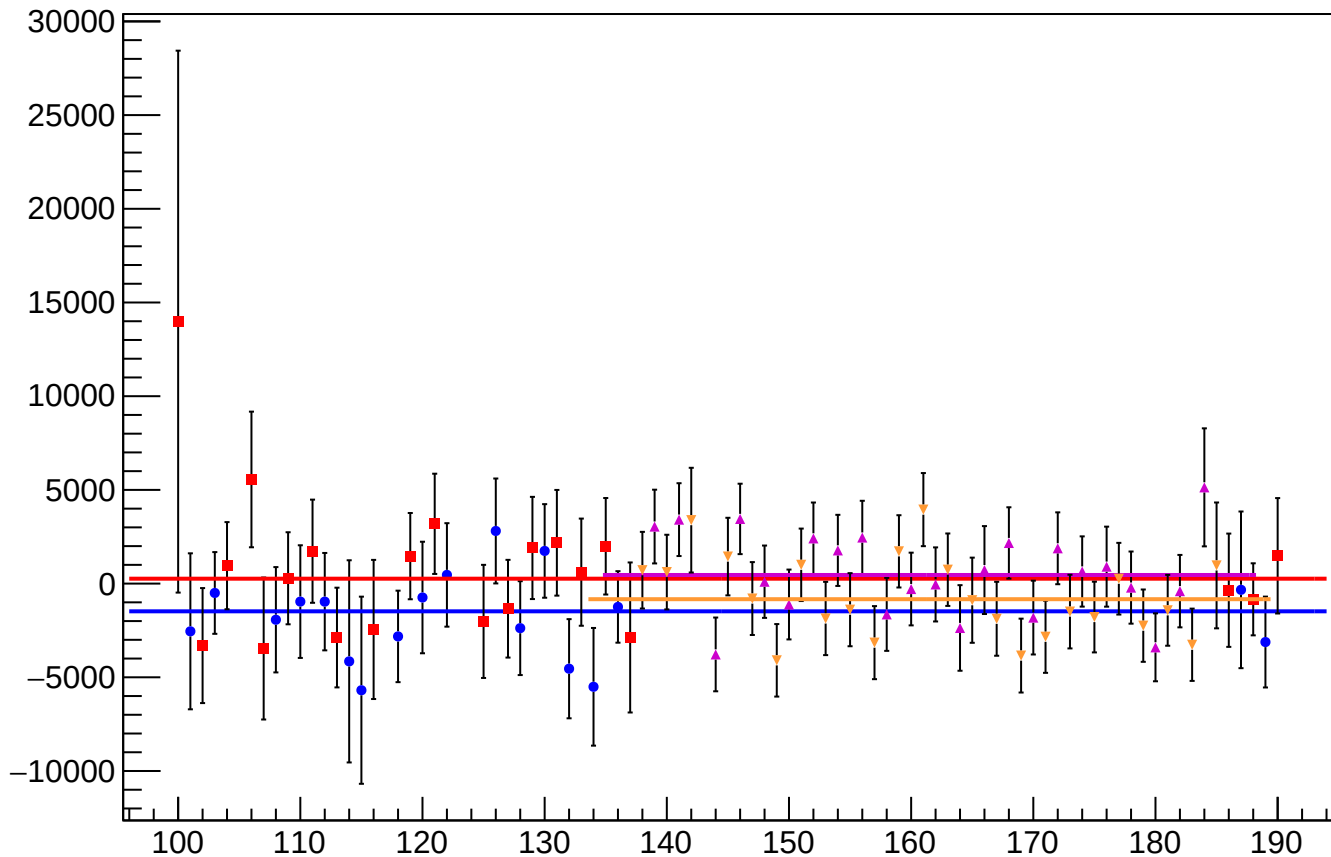
Left In: 714.168+/-0.119 χ^2/NDF : 497252.3/22

+ sign 761.970+/-0.110 χ^2/NDF : 4759569.4/41

All: 759.535+/-0.078 χ^2/NDF : 10736961.4/85

- sign 757.135+/-0.109 χ^2/NDF : 5976419.8/43

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1479.410 ± 654.602 χ^2/NDF : 9.8/17

Left Out: -832.476 ± 410.448 χ^2/NDF : 25.4/23

Right Out: 261.768 ± 617.757 χ^2/NDF : 12.5/20

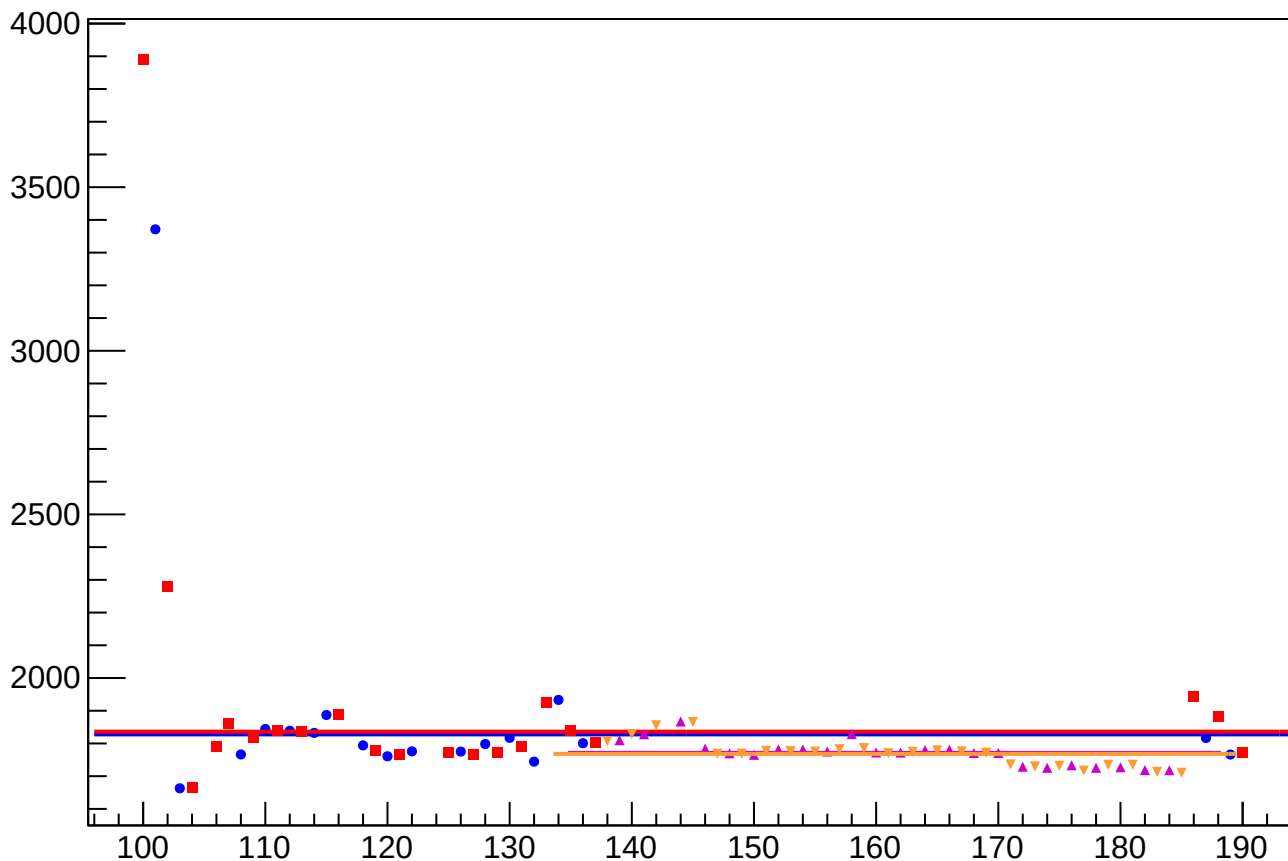
Left In: 459.554 ± 413.637 χ^2/NDF : 27.3/22

+ sign -1015.043 ± 347.743 χ^2/NDF : 36.0/41

All: -300.102 ± 244.451 χ^2/NDF : 84.2/85

- sign 398.329 ± 343.704 χ^2/NDF : 39.8/43

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1827.680 $\pm$ 0.463 χ^2 /NDF: 296860.2/17

Left Out: 1768.125 $\pm$ 0.290 χ^2 /NDF: 16358.2/23

Right Out: 1836.022 $\pm$ 0.437 χ^2 /NDF: 107118.0/20

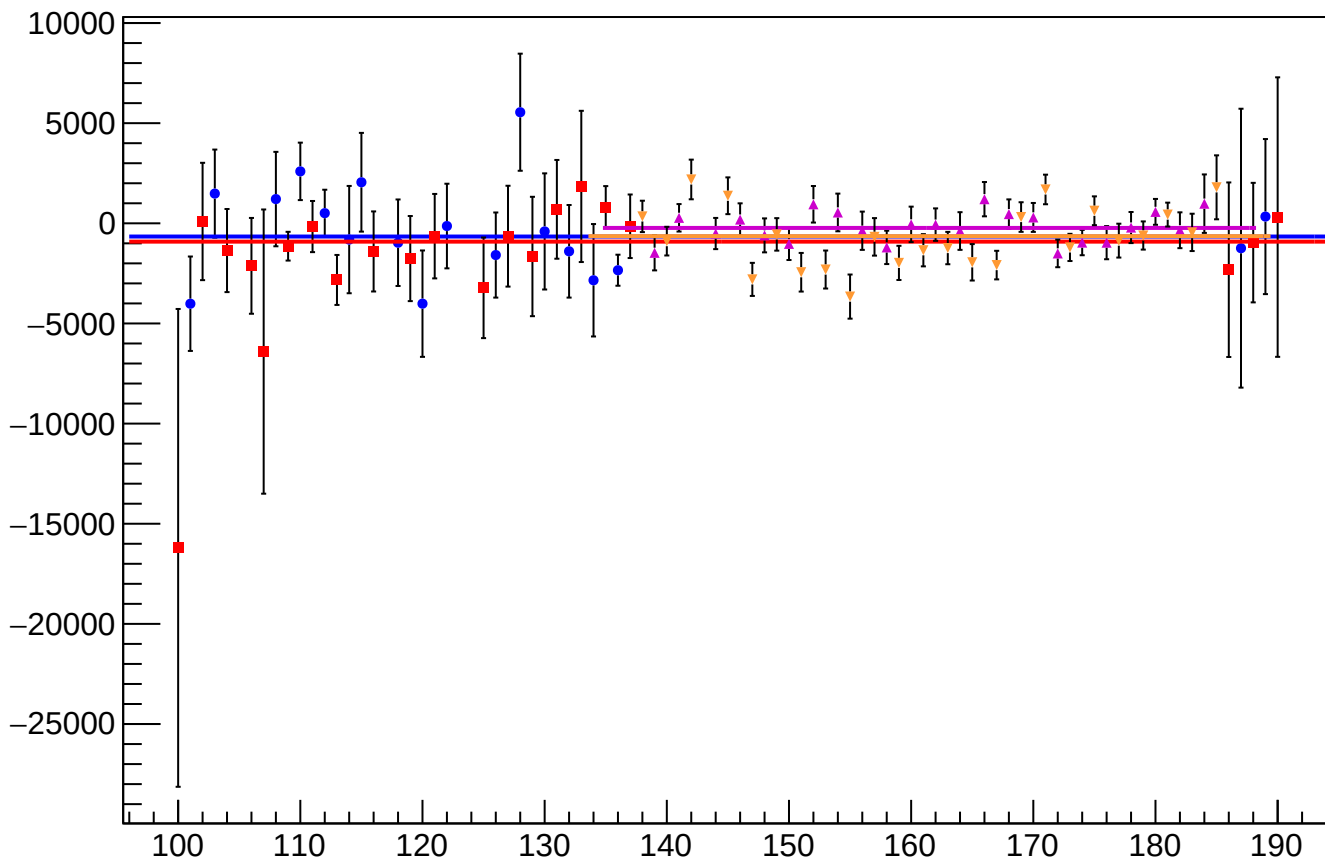
Left In: 1771.217 $\pm$ 0.292 χ^2 /NDF: 16425.7/22

+ sign 1784.932 $\pm$ 0.246 χ^2 /NDF: 325101.0/41

All: 1788.142 $\pm$ 0.173 χ^2 /NDF: 464178.0/85

- sign 1791.278 $\pm$ 0.243 χ^2 /NDF: 138740.1/43

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -659.877+/-438.768 χ^2/NDF : 22.8/17

Left Out: -641.004+/-166.450 χ^2/NDF : 66.7/23

Right Out: -914.327+/-389.227 χ^2/NDF : 10.6/20

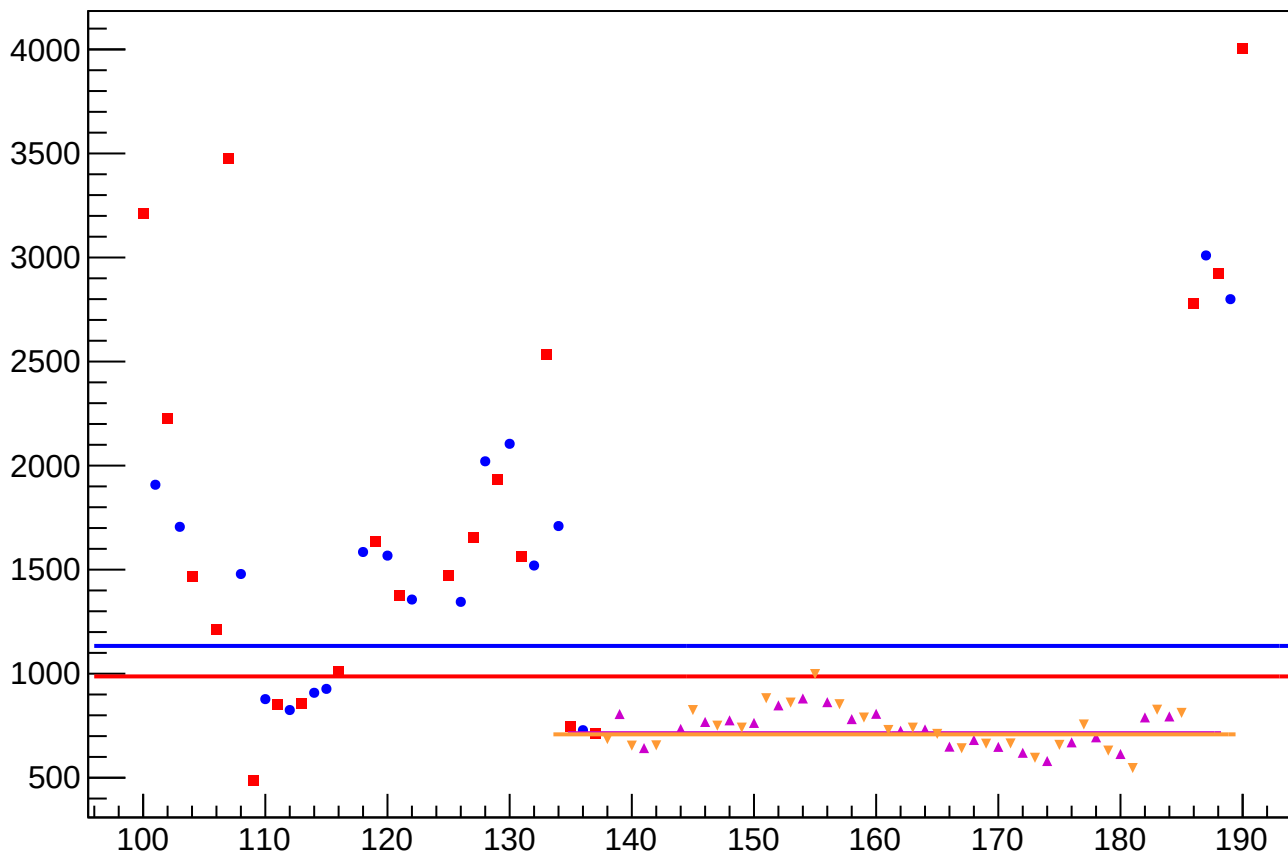
Left In: -230.572+/-168.320 χ^2/NDF : 19.9/22

+ sign -643.379+/-155.628 χ^2/NDF : 89.5/41

All: -489.721+/-109.642 χ^2/NDF : 124.6/85

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asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 1133.456+/-0.310 χ^2/NDF : 2419149.3/17

Left Out: 708.508+/-0.118 χ^2/NDF : 700448.7/23

Right Out: 986.893+/-0.275 χ^2/NDF : 4651952.9/20

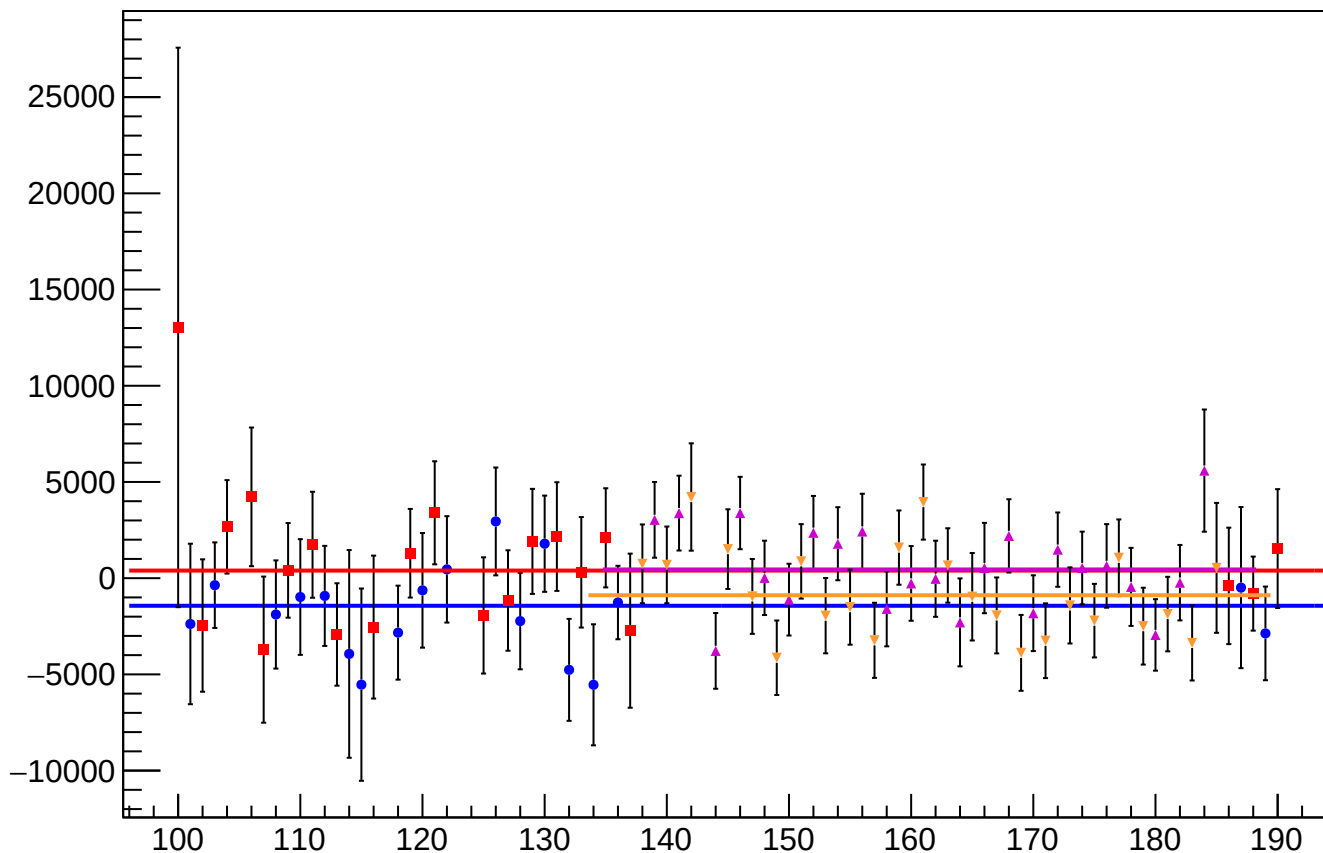
Left In: 714.168+/-0.119 χ^2/NDF : 497252.3/22

+ sign 761.970+/-0.110 χ^2/NDF : 4759569.4/41

All: 759.535+/-0.078 χ^2/NDF : 10736961.4/85

- sign 757.135+/-0.109 χ^2/NDF : 5976419.8/43

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1434.036 ± 656.440 χ^2/NDF : 10.0/17

Left Out: -886.354 ± 413.227 χ^2/NDF : 28.1/23

Right Out: 395.485 ± 622.738 χ^2/NDF : 11.7/20

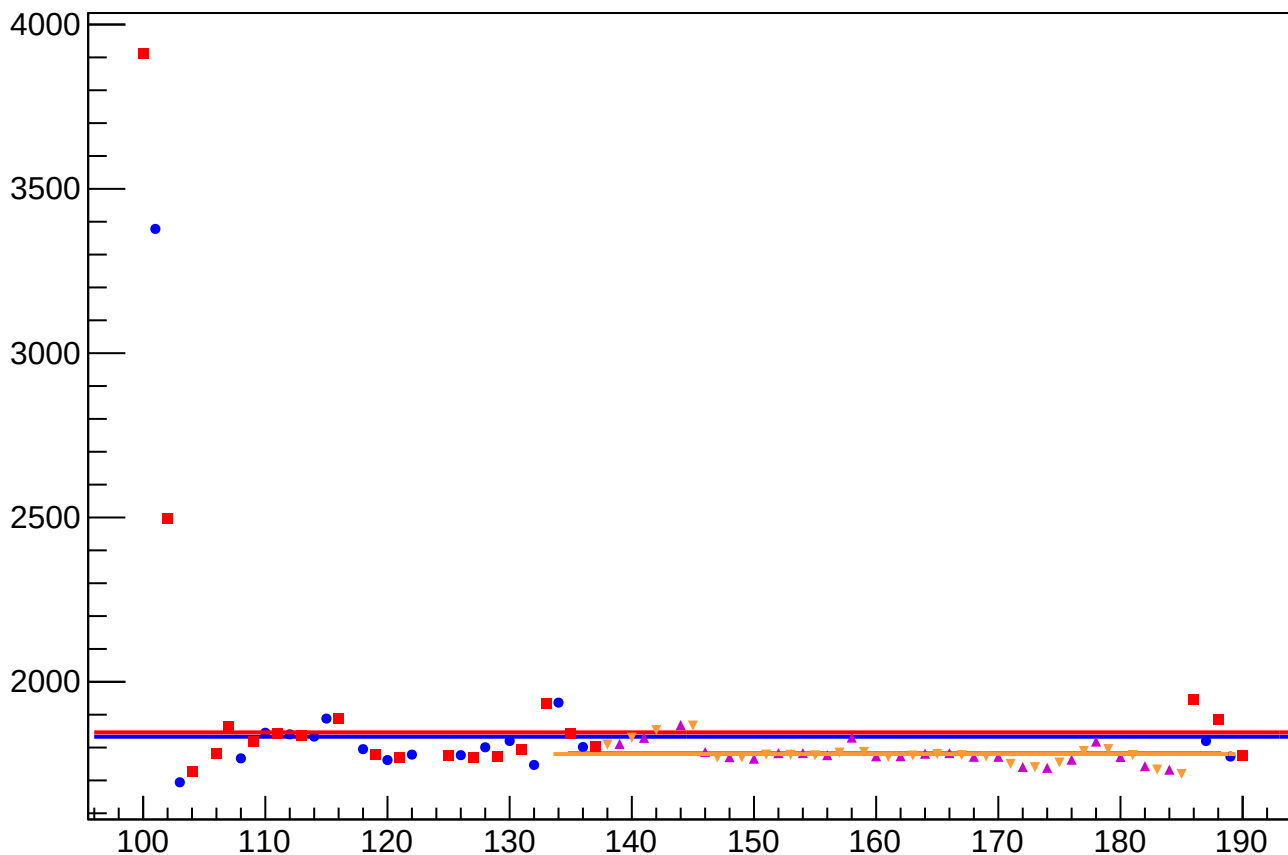
Left In: 453.237 ± 416.200 χ^2/NDF : 25.8/22

+ sign -1041.788 ± 349.707 χ^2/NDF : 38.7/41

All: -295.389 ± 245.971 χ^2/NDF : 85.2/85

- sign 435.406 ± 346.032 χ^2/NDF : 37.6/43

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.929+/-0.464 χ^2/NDF : 293350.2/17

Left Out: 1780.220+/-0.292 χ^2/NDF : 10380.2/23

Right Out: 1846.175+/-0.440 χ^2/NDF : 132405.2/20

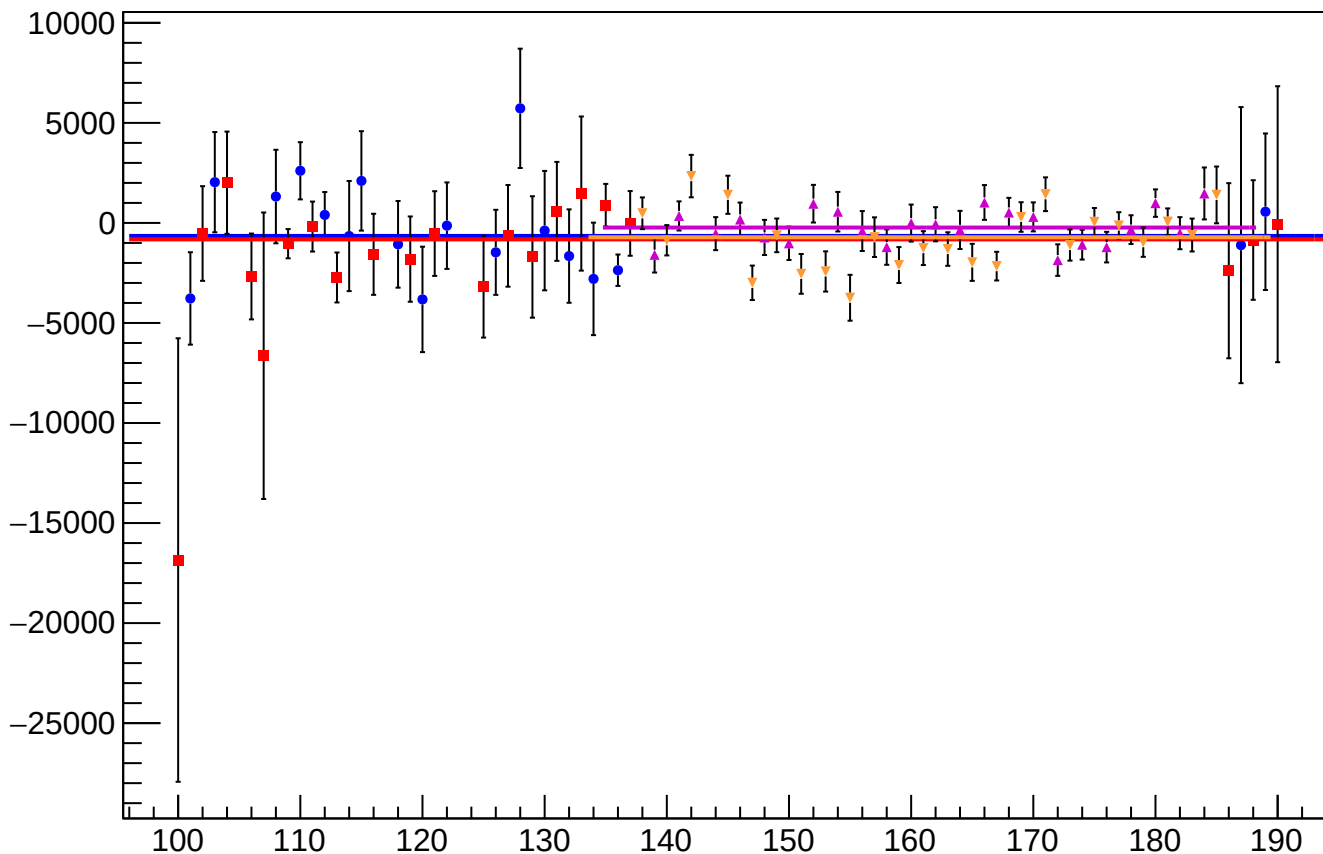
Left In: 1782.298+/-0.294 χ^2/NDF : 11232.1/22

+ sign 1795.179+/-0.247 χ^2/NDF : 312965.5/41

All: 1798.636+/-0.174 χ^2/NDF : 471535.5/85

- sign 1802.021+/-0.245 χ^2/NDF : 158183.2/43

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug



Right In: -649.696+/-442.124 χ^2/NDF : 22.9/17

Left Out: -716.600+/-170.602 χ^2/NDF : 59.4/23

Right Out: -823.105+/-391.509 χ^2/NDF : 12.4/20

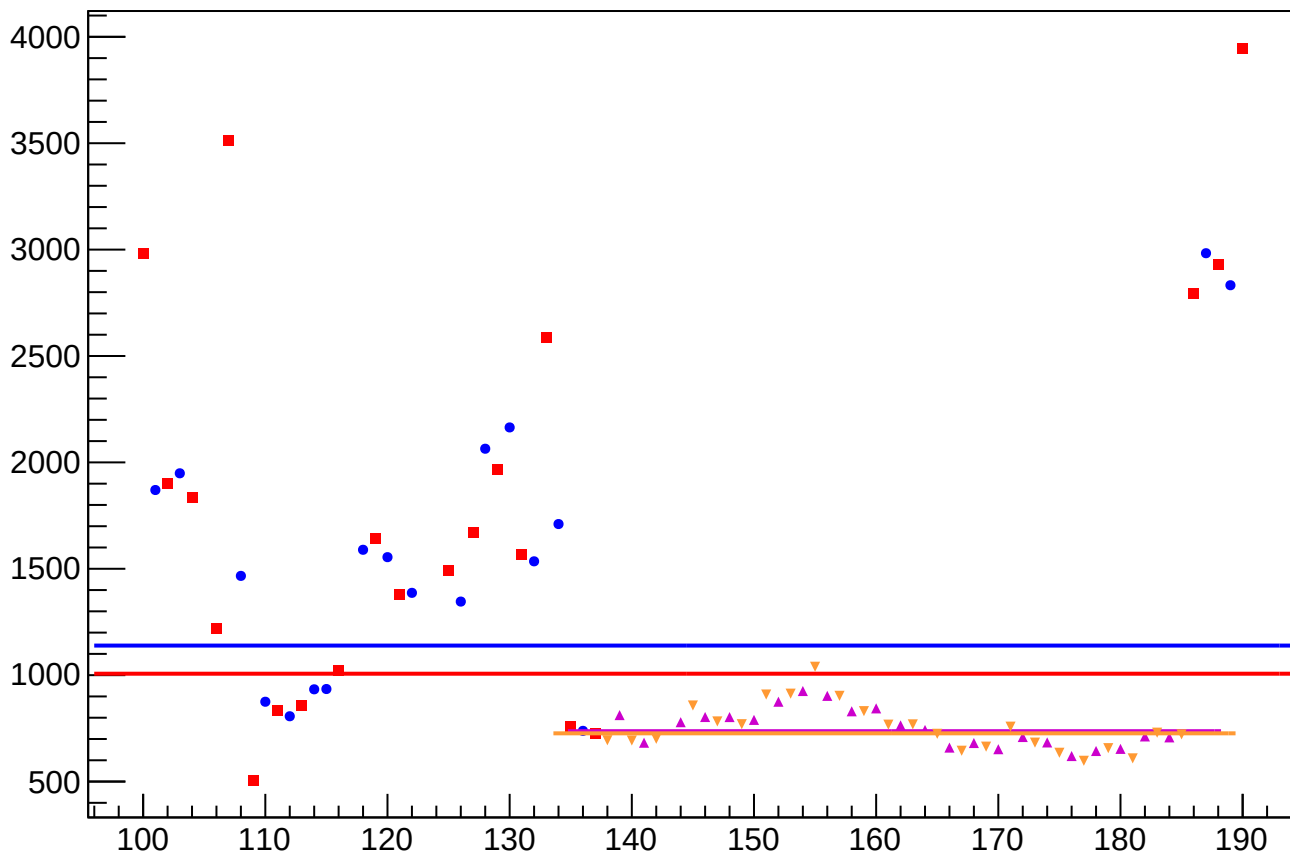
Left In: -231.320+/-173.436 χ^2/NDF : 24.1/22

+ sign -707.929+/-159.164 χ^2/NDF : 82.2/41

All: -517.459+/-112.336 χ^2/NDF : 123.5/85

- sign -328.402+/-158.573 χ^2/NDF : 38.4/43

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1139.070 $\pm$ 0.313 χ^2 /NDF: 2499985.5/17

Left Out: 726.604 $\pm$ 0.121 χ^2 /NDF: 684784.1/23

+ sign 780.060 $\pm$ 0.113 χ^2 /NDF: 4699856.3/41

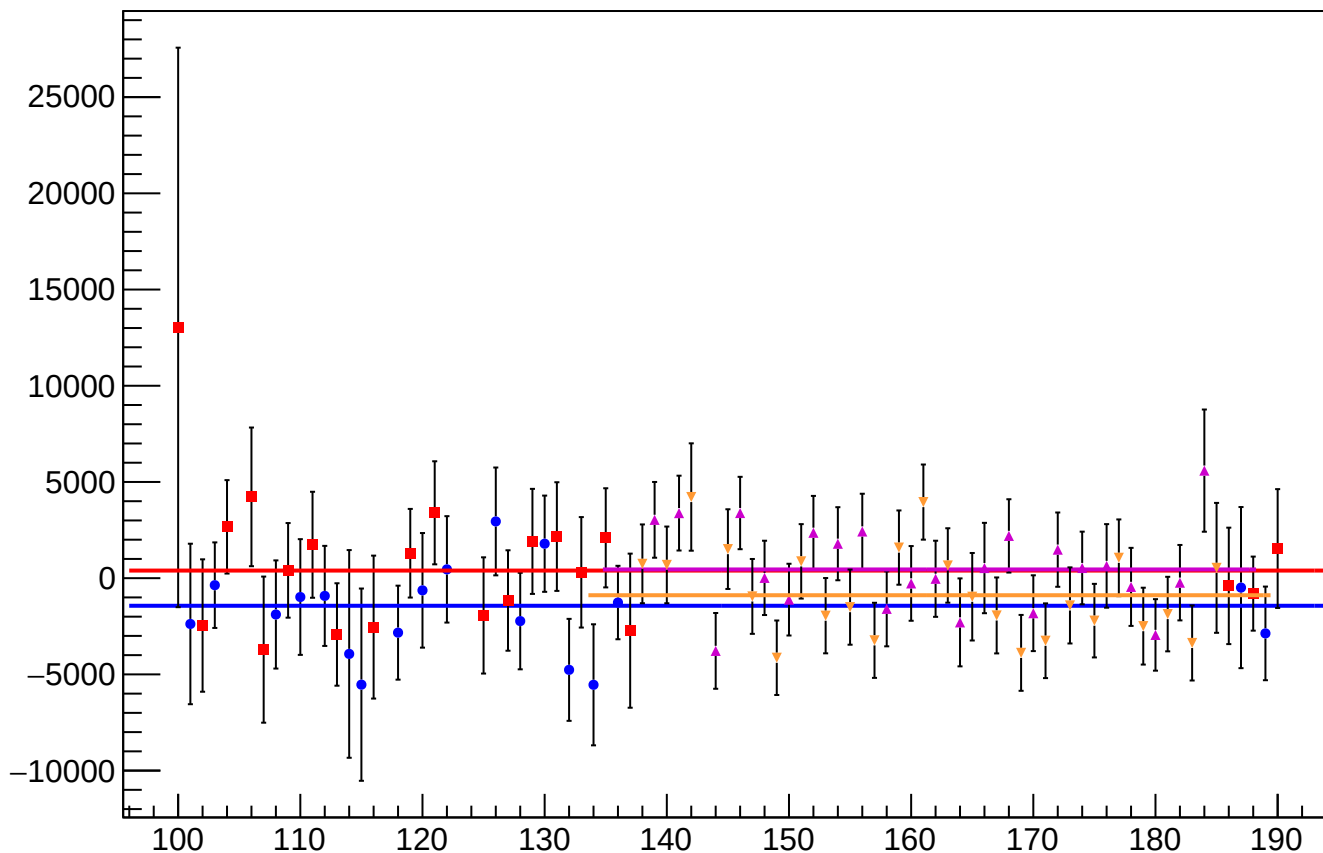
Right Out: 1006.823 $\pm$ 0.277 χ^2 /NDF: 4619234.7/20

All: 780.542 $\pm$ 0.079 χ^2 /NDF: 10580000.5/85

Left In: 736.709 $\pm$ 0.123 χ^2 /NDF: 465041.6/22

- sign 781.021 $\pm$ 0.112 χ^2 /NDF: 5880107.6/43

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1434.038 $\pm$ 656.440 χ^2 /NDF: 10.0/17

Left Out: -886.352 $\pm$ 413.227 χ^2 /NDF: 28.1/23

Right Out: 395.487 $\pm$ 622.738 χ^2 /NDF: 11.7/20

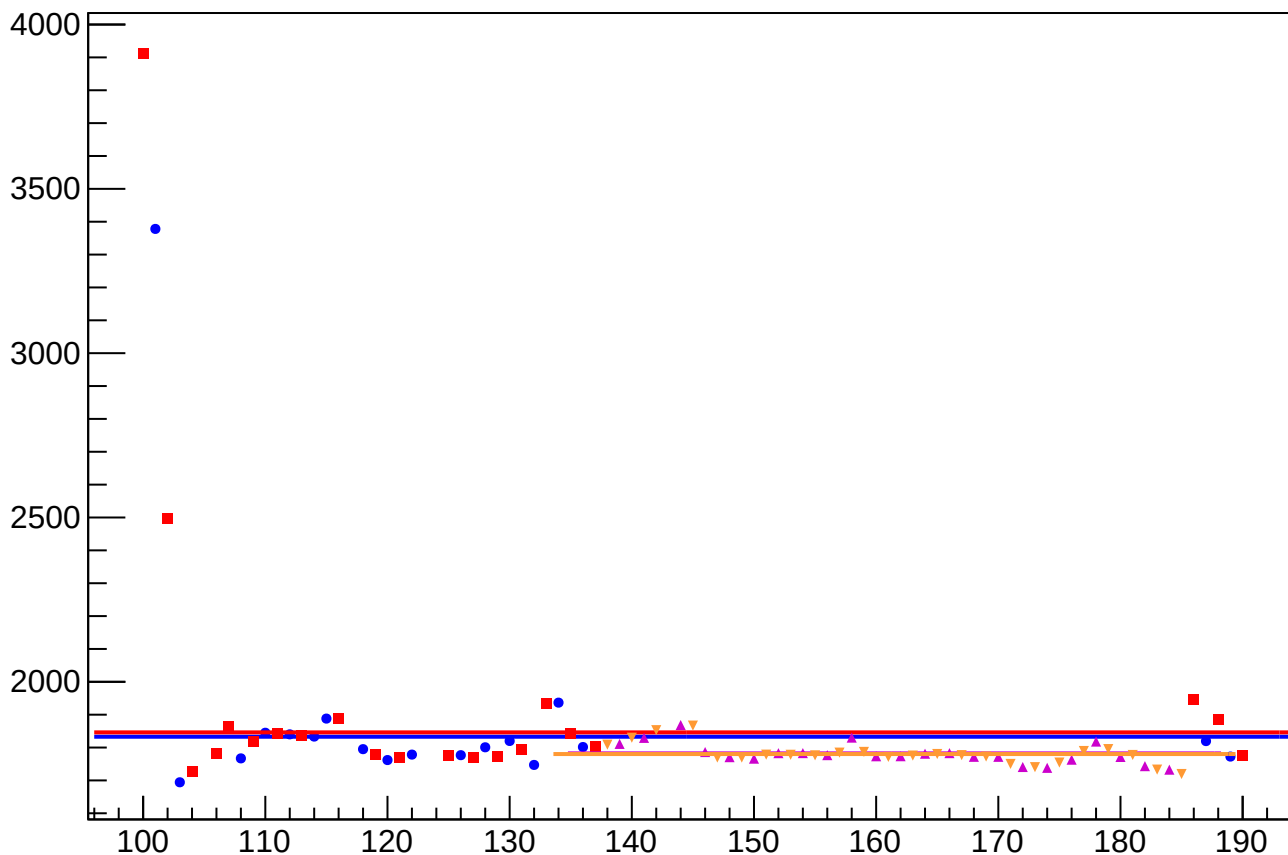
Left In: 453.236 $\pm$ 416.200 χ^2 /NDF: 25.8/22

+ sign -1041.788 $\pm$ 349.707 χ^2 /NDF: 38.7/41

All: -295.389 $\pm$ 245.971 χ^2 /NDF: 85.2/85

- sign 435.406 $\pm$ 346.032 χ^2 /NDF: 37.6/43

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.929+/-0.464 χ^2/NDF : 293350.2/17

Left Out: 1780.220+/-0.292 χ^2/NDF : 10380.2/23

Right Out: 1846.175+/-0.440 χ^2/NDF : 132405.2/20

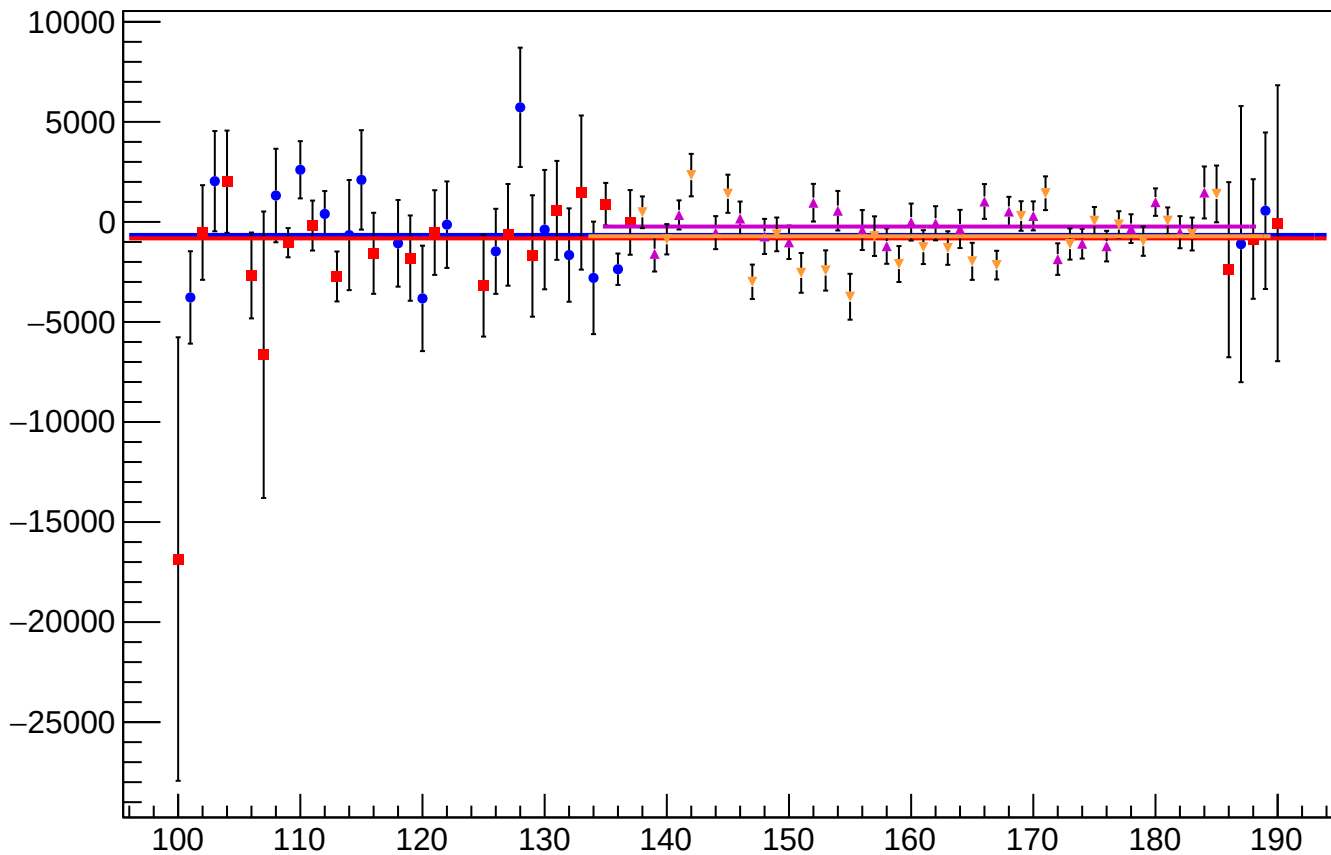
Left In: 1782.298+/-0.294 χ^2/NDF : 11232.1/22

+ sign 1795.179+/-0.247 χ^2/NDF : 312965.5/41

All: 1798.636+/-0.174 χ^2/NDF : 471535.7/85

- sign 1802.021+/-0.245 χ^2/NDF : 158183.4/43

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -649.683+/-442.124 χ^2/NDF : 22.9/17

Left Out: -716.601+/-170.602 χ^2/NDF : 59.4/23

Right Out: -823.111+/-391.509 χ^2/NDF : 12.4/20

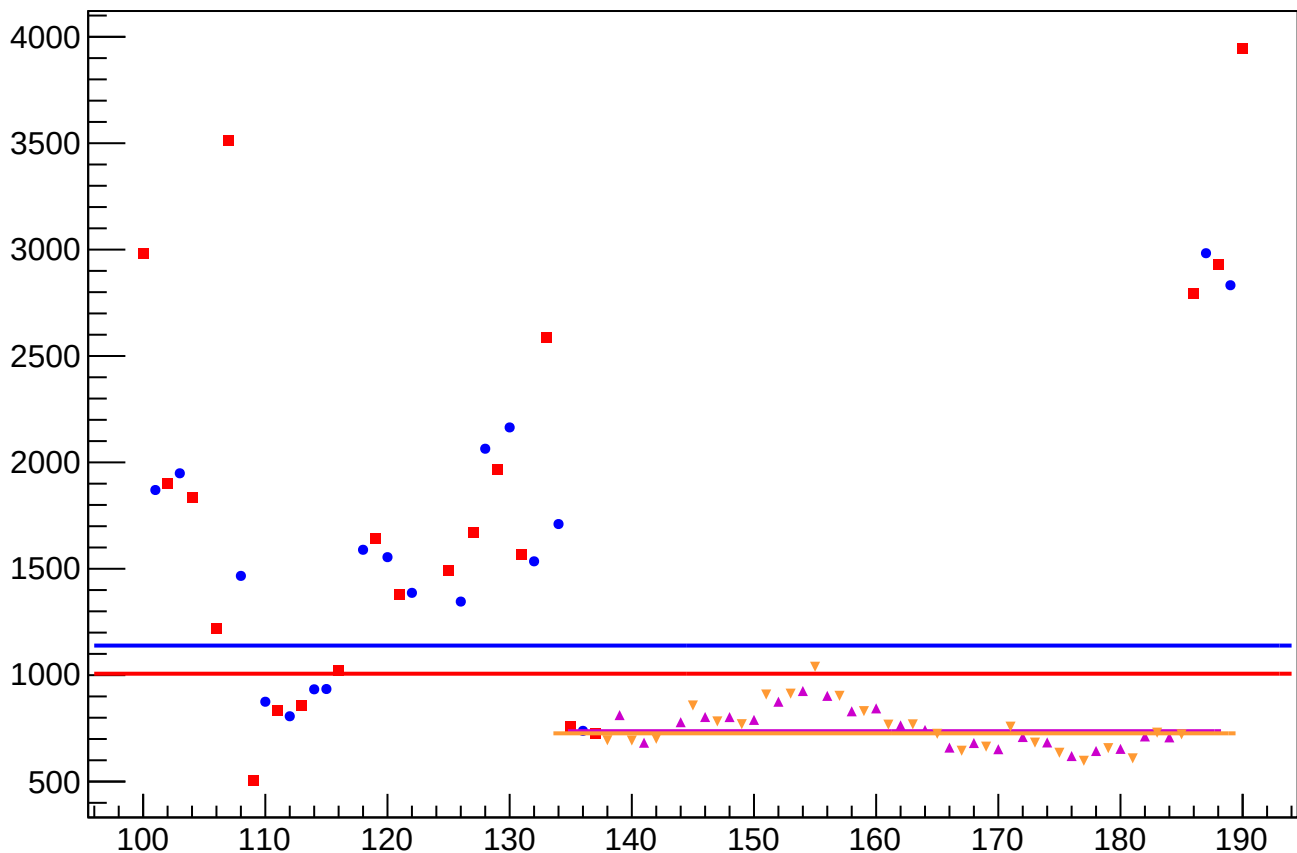
Left In: -231.318+/-173.435 χ^2/NDF : 24.1/22

+ sign -707.928+/-159.164 χ^2/NDF : 82.2/41

All: -517.458+/-112.336 χ^2/NDF : 123.5/85

- sign -328.401+/-158.573 χ^2/NDF : 38.4/43

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 1139.073+/-0.313 χ^2/NDF : 2499944.9/17

Left Out: 726.605+/-0.121 χ^2/NDF : 684780.2/23

Right Out: 1006.826+/-0.277 χ^2/NDF : 4619205.1/20

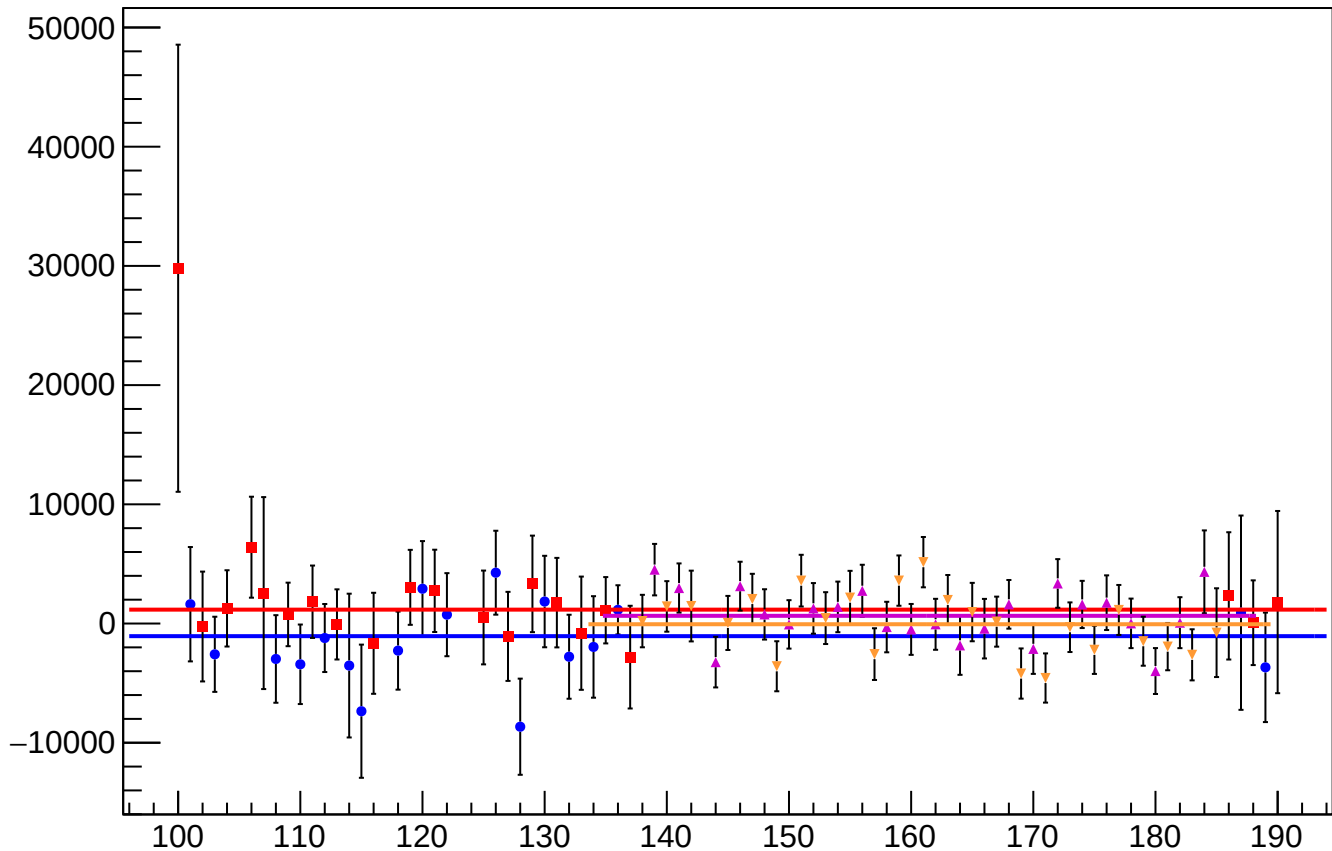
Left In: 736.709+/-0.123 χ^2/NDF : 465053.4/22

+ sign 780.060+/-0.113 χ^2/NDF : 4699828.5/41

All: 780.542+/-0.079 χ^2/NDF : 10579971.3/85

- sign 781.021+/-0.112 χ^2/NDF : 5880106.1/43

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1059.597 ± 853.715 χ^2/NDF : 12.4/17

Left Out: -59.589 ± 445.601 χ^2/NDF : 33.0/23

Right Out: 1165.188 ± 830.092 χ^2/NDF : 7.1/20

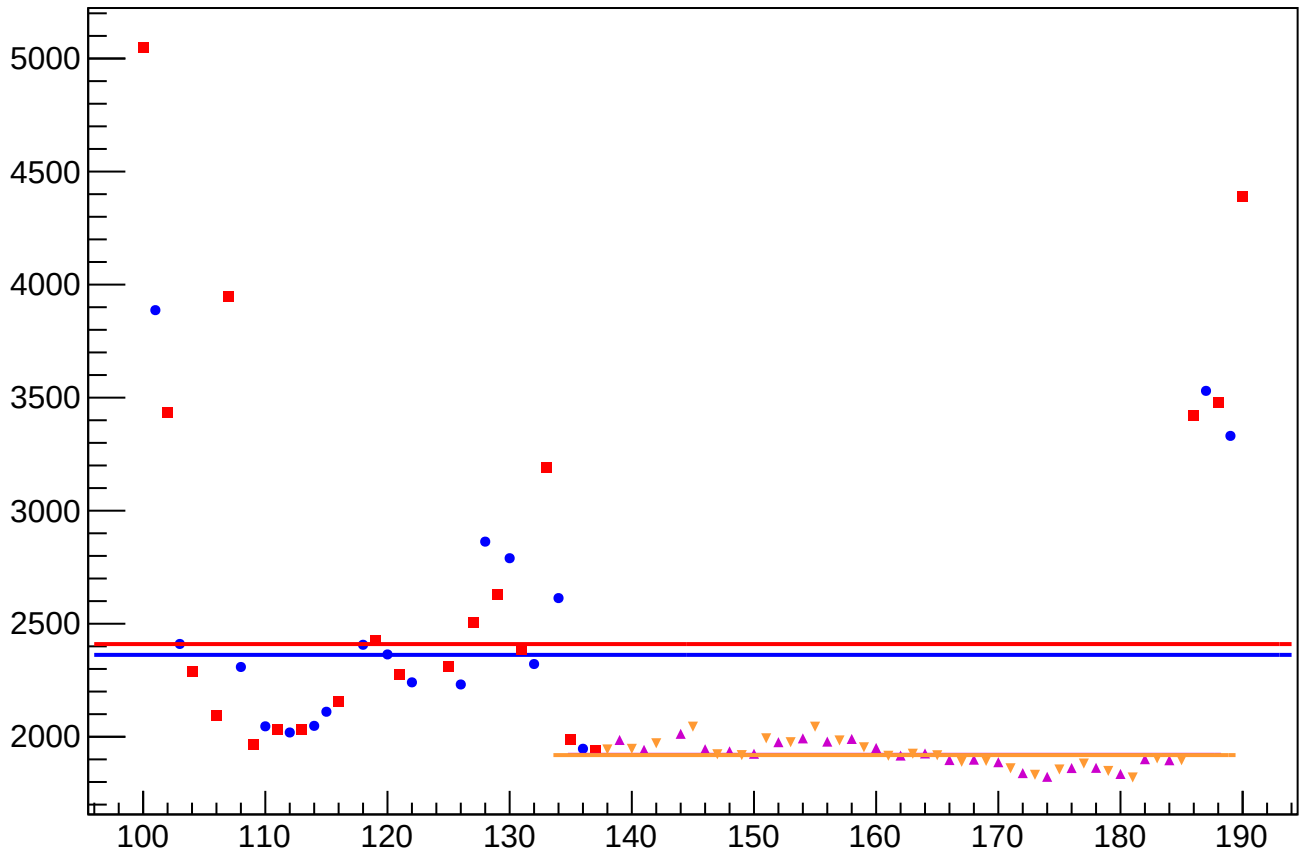
Left In: 646.910 ± 448.538 χ^2/NDF : 23.7/22

+ sign -273.698 ± 395.028 χ^2/NDF : 46.4/41

All: 245.714 ± 279.180 χ^2/NDF : 81.0/85

- sign 764.036 ± 394.614 χ^2/NDF : 31.1/43

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2362.236+/-0.604 χ^2/NDF : 538954.3/17

Left Out: 1918.975+/-0.315 χ^2/NDF : 35574.5/23

Right Out: 2410.012+/-0.587 χ^2/NDF : 876353.3/20

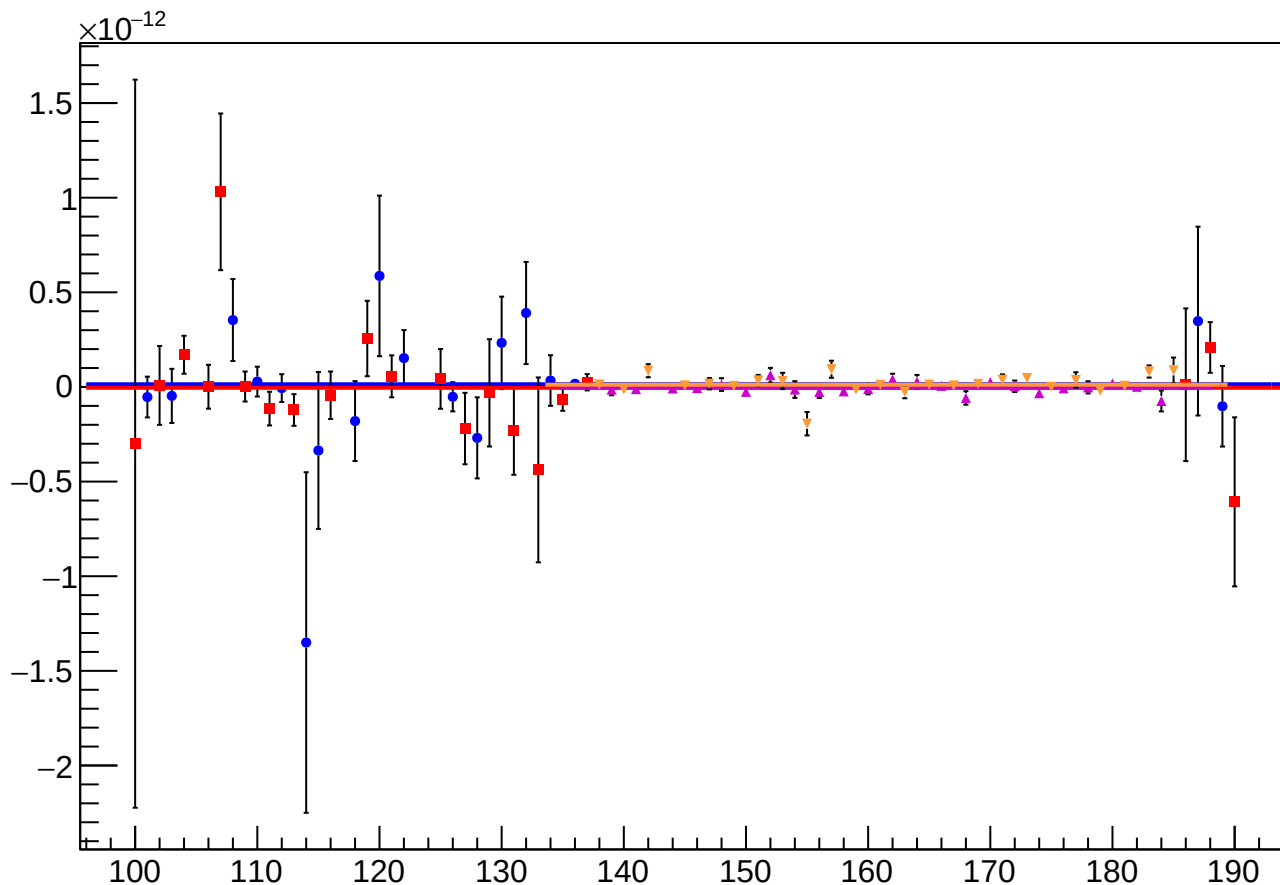
Left In: 1920.214+/-0.317 χ^2/NDF : 29912.0/22

+ sign 2013.881+/-0.279 χ^2/NDF : 998257.7/41

All: 2022.402+/-0.197 χ^2/NDF : 2445350.3/85

- sign 2030.906+/-0.279 χ^2/NDF : 1445233.2/43

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 38.1/23

Right Out: -0.000+/-0.000 χ^2/NDF : 23.9/20

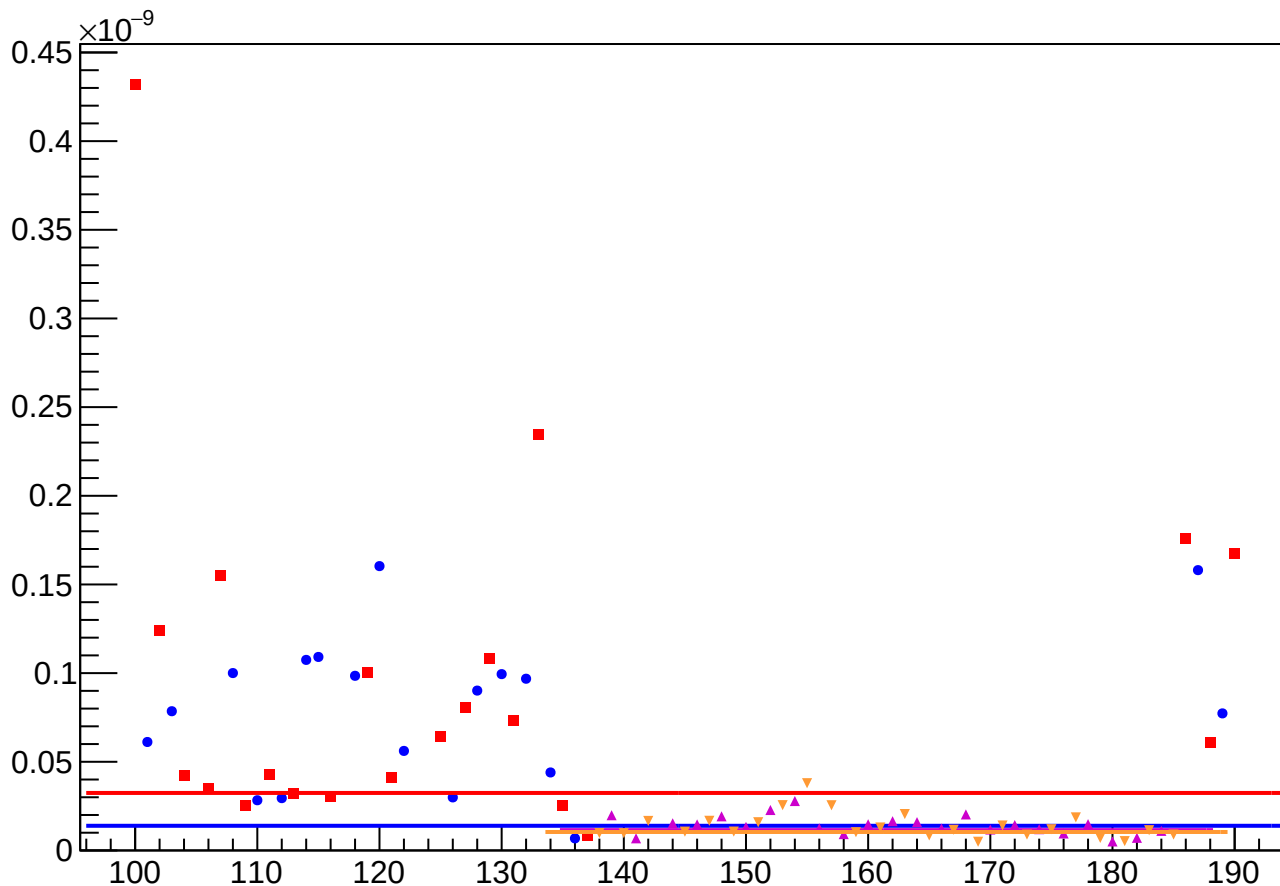
Left In: -0.000+/-0.000 χ^2/NDF : 19.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 53.8/41

All: 0.000+/-0.000 χ^2/NDF : 102.5/85

- sign -0.000+/-0.000 χ^2/NDF : 43.5/43

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3761847.2/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2075235.5/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2886380.4/20

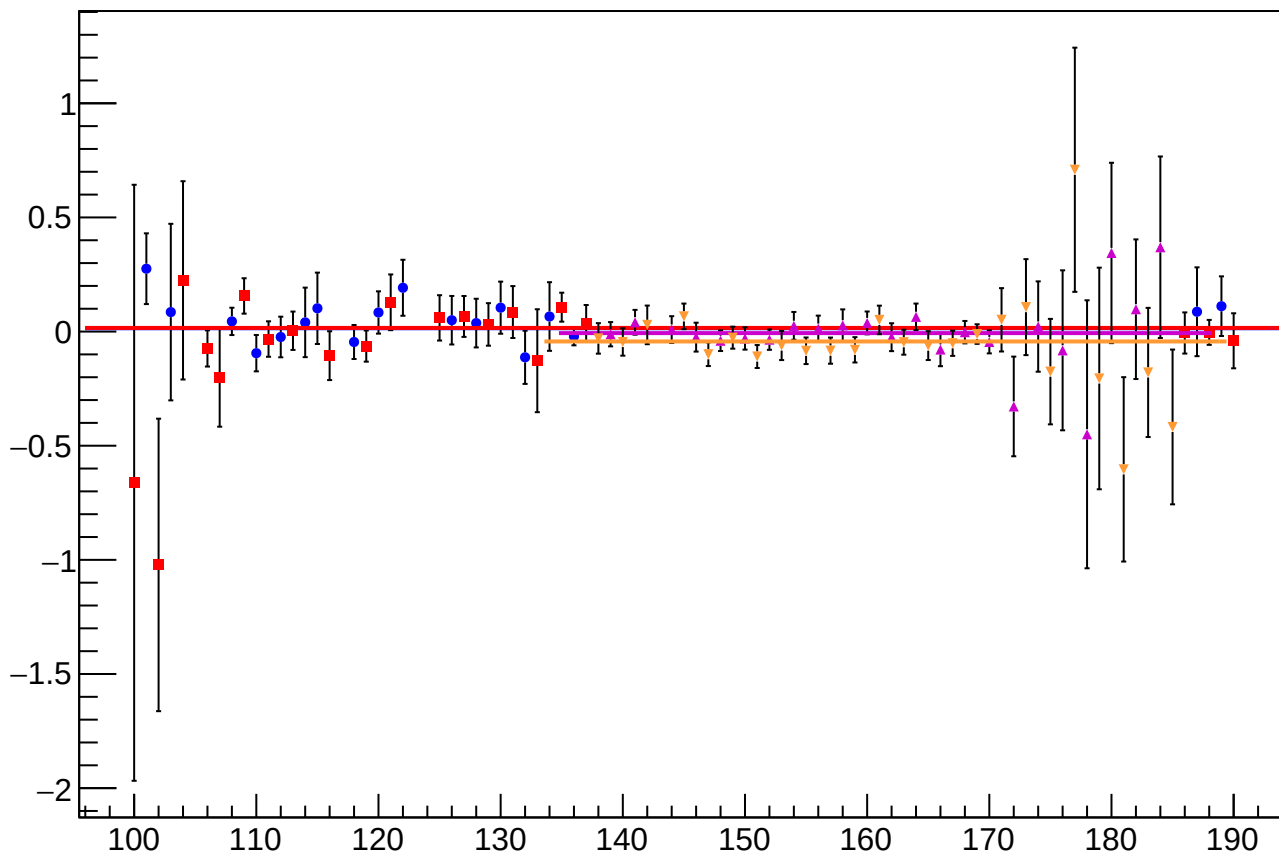
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1894438.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5949910.3/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 12351142.2/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6285823.8/43

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.021 $\chi^2/\text{NDF}: 12.4/17$

Left Out: -0.043 ± 0.014 $\chi^2/\text{NDF}: 18.9/23$

Right Out: 0.016 ± 0.020 $\chi^2/\text{NDF}: 16.5/20$

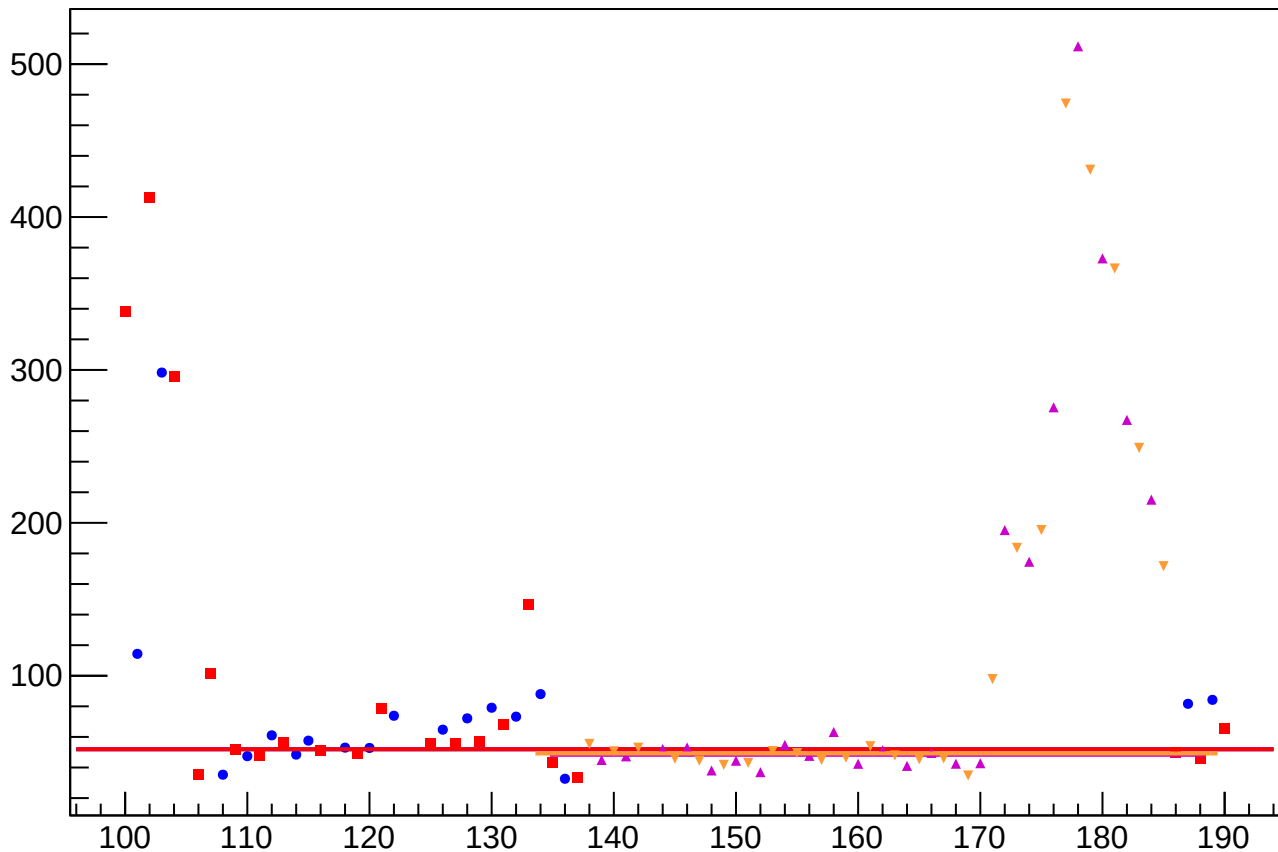
Left In: -0.007 ± 0.014 $\chi^2/\text{NDF}: 11.3/22$

+ sign -0.026 ± 0.012 $\chi^2/\text{NDF}: 36.4/41$

All: -0.013 ± 0.008 $\chi^2/\text{NDF}: 67.7/85$

- sign 0.000 ± 0.011 $\chi^2/\text{NDF}: 28.6/43$

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 51.927+/-0.015 χ^2/NDF : 2442391.9/17

Left Out: 49.180+/-0.010 χ^2/NDF : 7250092.4/23

Right Out: 51.942+/-0.014 χ^2/NDF : 2266281.7/20

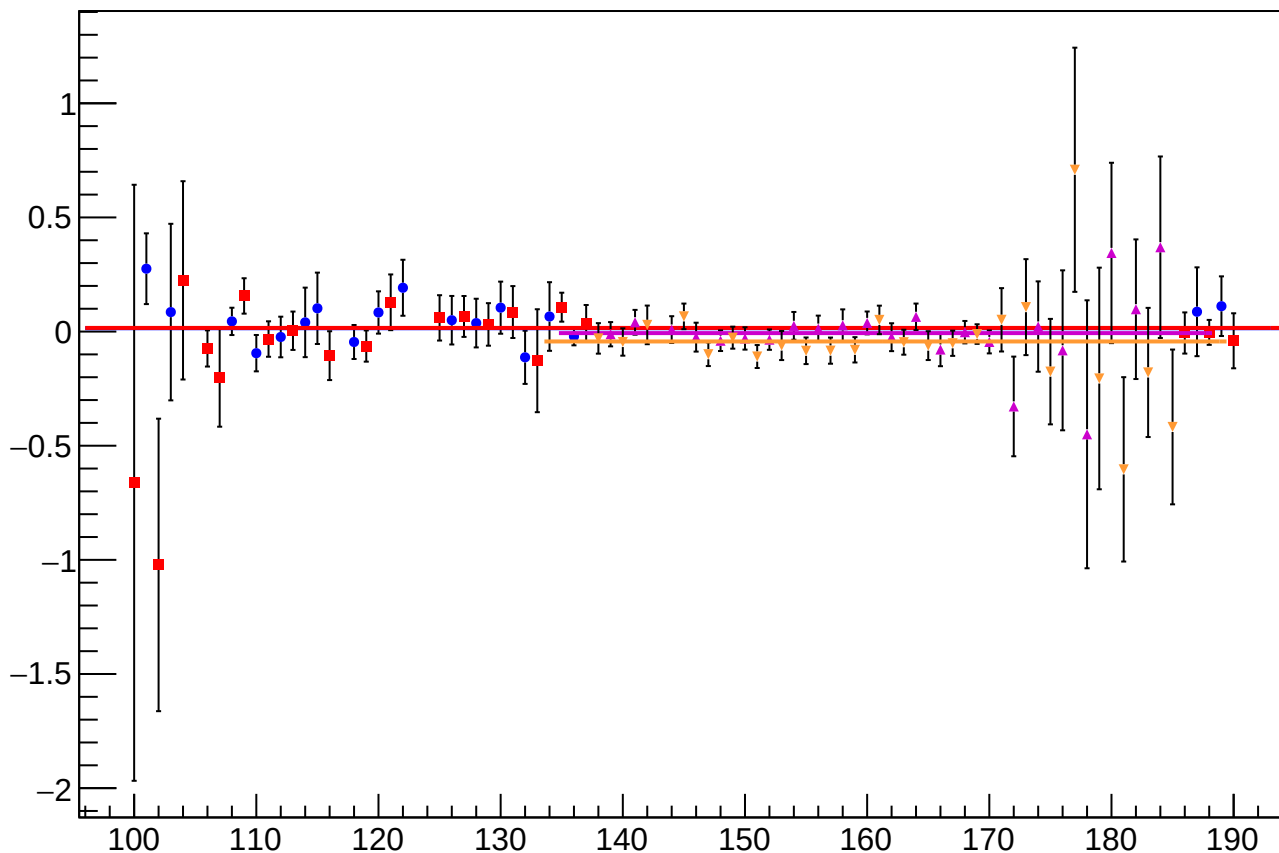
Left In: 48.307+/-0.010 χ^2/NDF : 7040663.5/22

+ sign 49.993+/-0.008 χ^2/NDF : 9715583.7/41

All: 49.694+/-0.006 χ^2/NDF : 19069147.4/85

- sign 49.415+/-0.008 χ^2/NDF : 9351026.4/43

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.021 χ^2/NDF : 12.4/17

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.016 ± 0.020 χ^2/NDF : 16.5/20

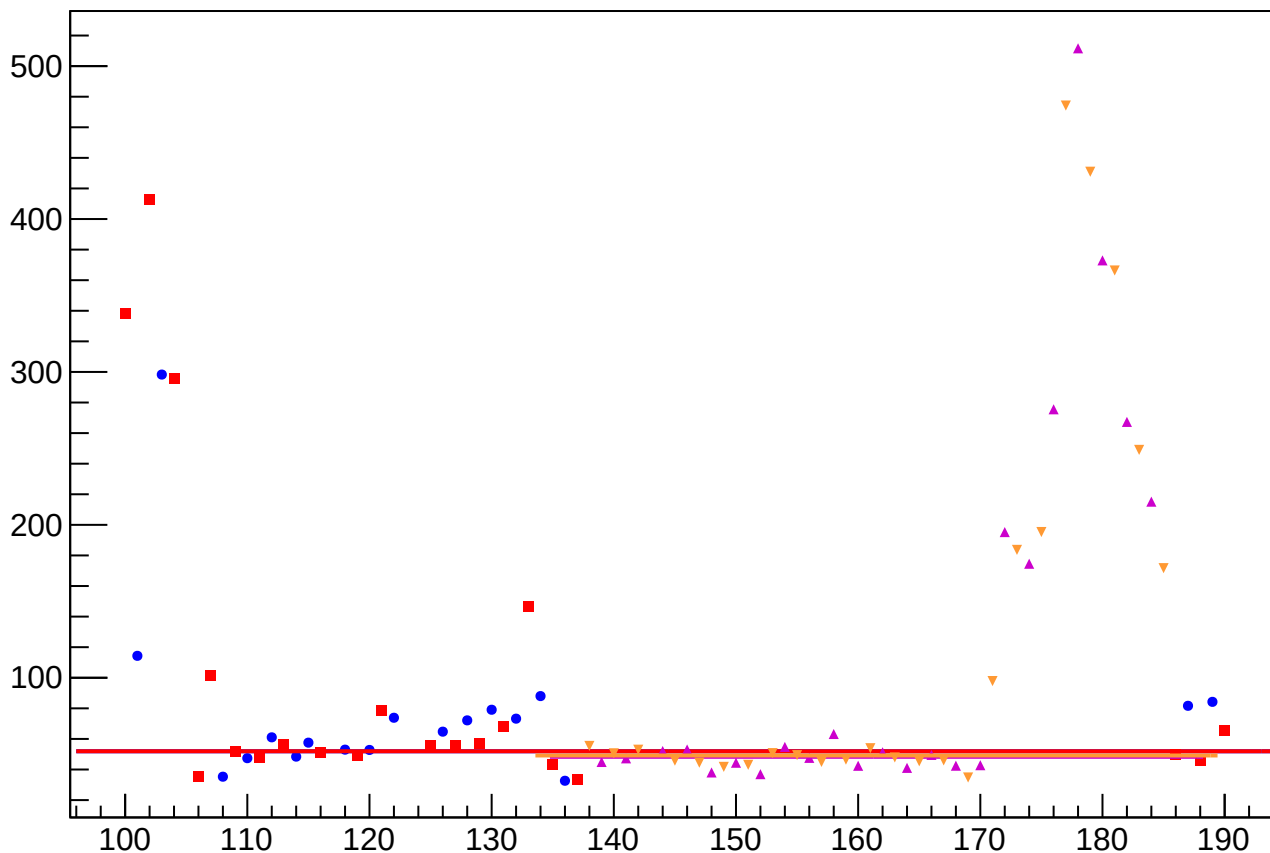
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.026 ± 0.012 χ^2/NDF : 36.4/41

All: -0.013 ± 0.008 χ^2/NDF : 67.7/85

- sign 0.000 ± 0.011 χ^2/NDF : 28.6/43

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.927 $\pm$ 0.015 χ^2 /NDF: 2442391.9/17

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250092.4/23

Right Out: 51.942 $\pm$ 0.014 χ^2 /NDF: 2266281.7/20

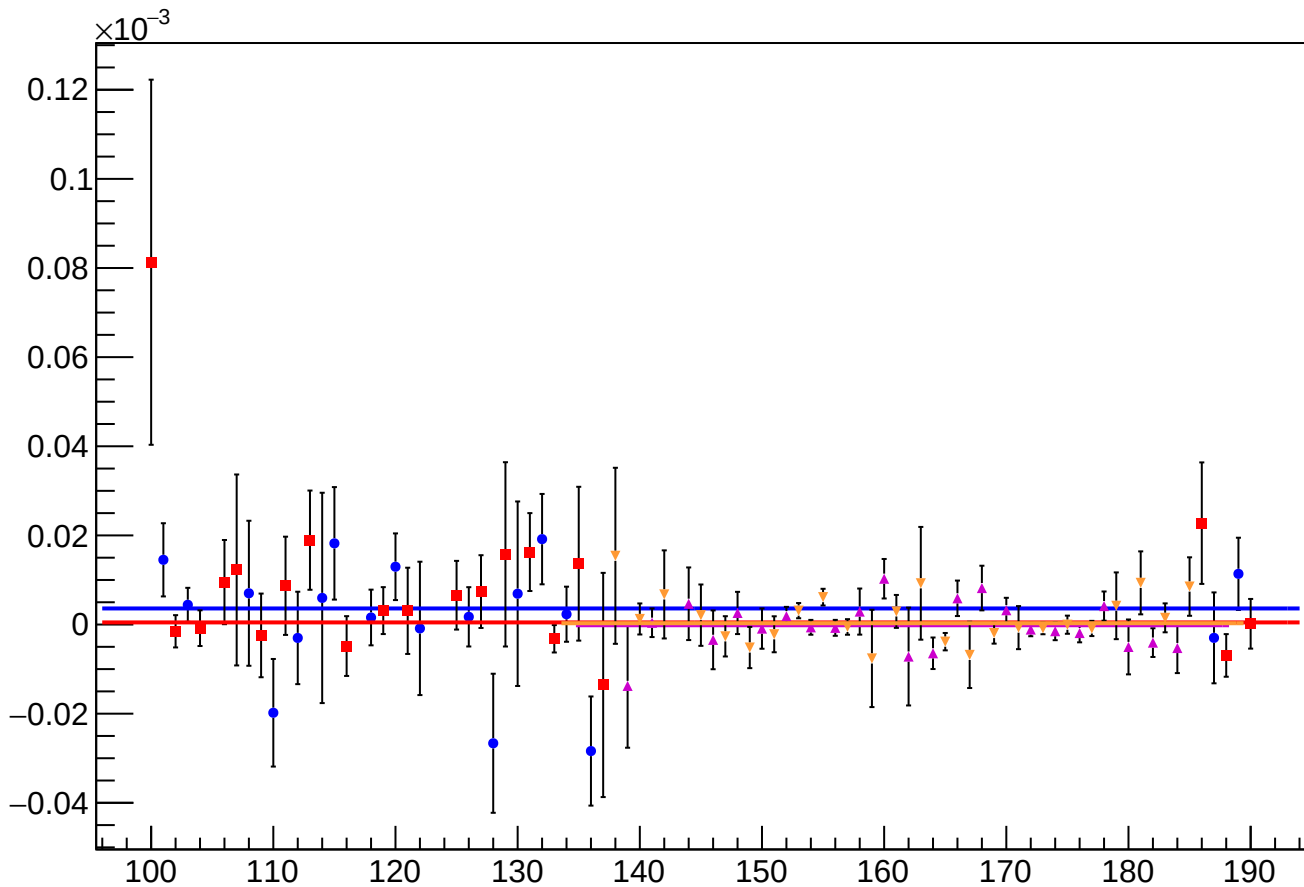
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040663.5/22

+ sign 49.993 $\pm$ 0.008 χ^2 /NDF: 9715583.7/41

All: 49.694 $\pm$ 0.006 χ^2 /NDF: 19069147.4/85

- sign 49.415 $\pm$ 0.008 χ^2 /NDF: 9351026.4/43

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 23.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:28.8/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.4/20

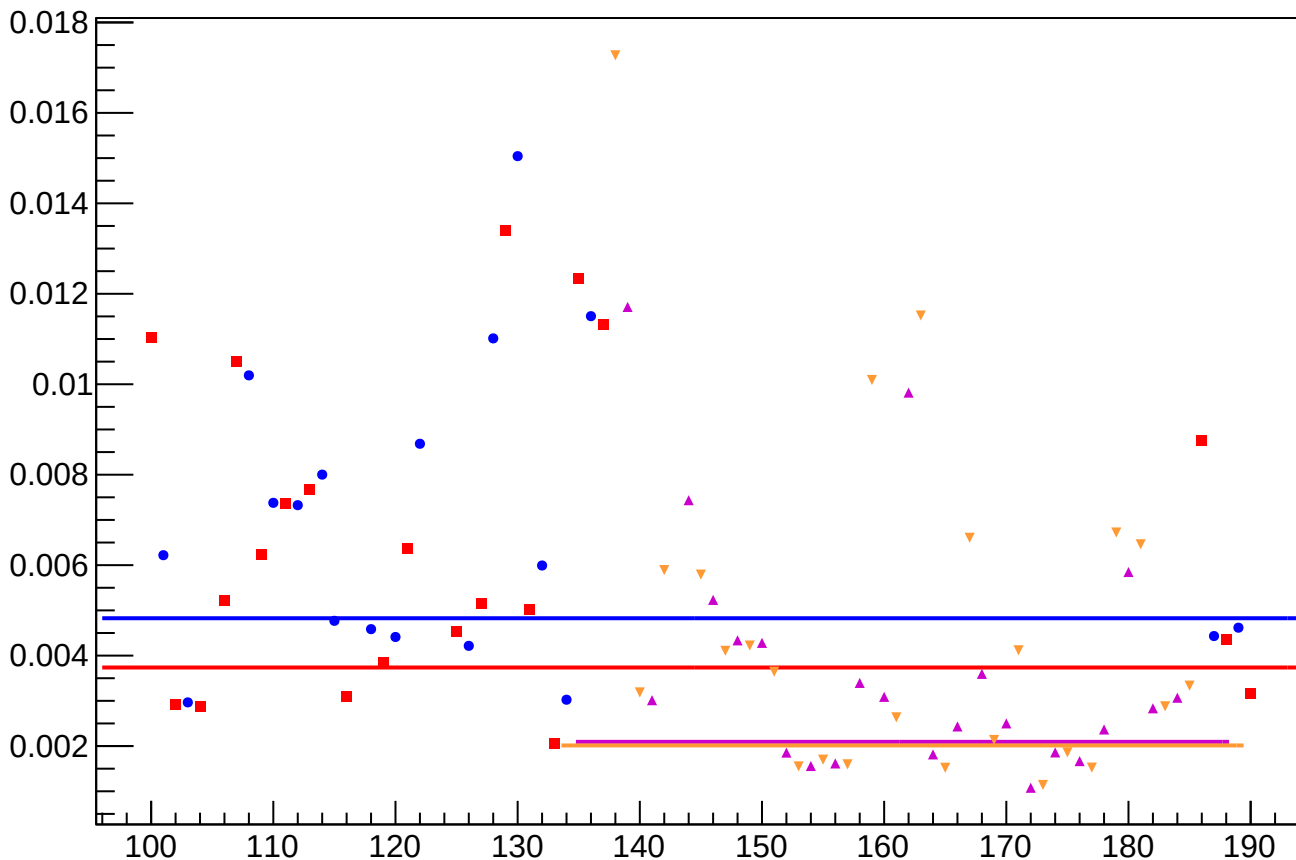
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:25.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.0/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 103.4/85

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 47.9/43

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2749821.1/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:10262318.5/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3439977.6/20

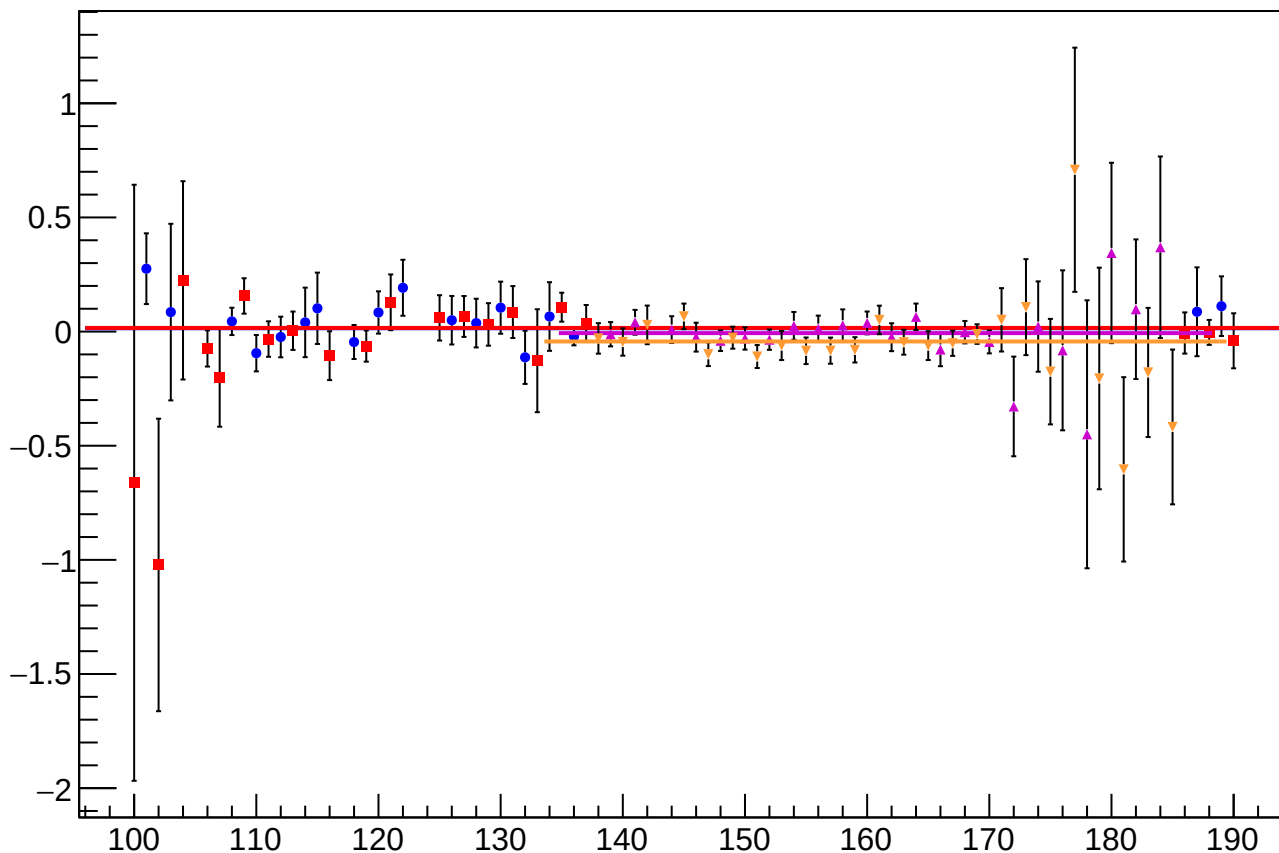
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:7141979.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 16755415.0/41

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 29620099.8/85

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12819367.8/43

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.021 χ^2/NDF : 12.4/17

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.016 ± 0.020 χ^2/NDF : 16.4/20

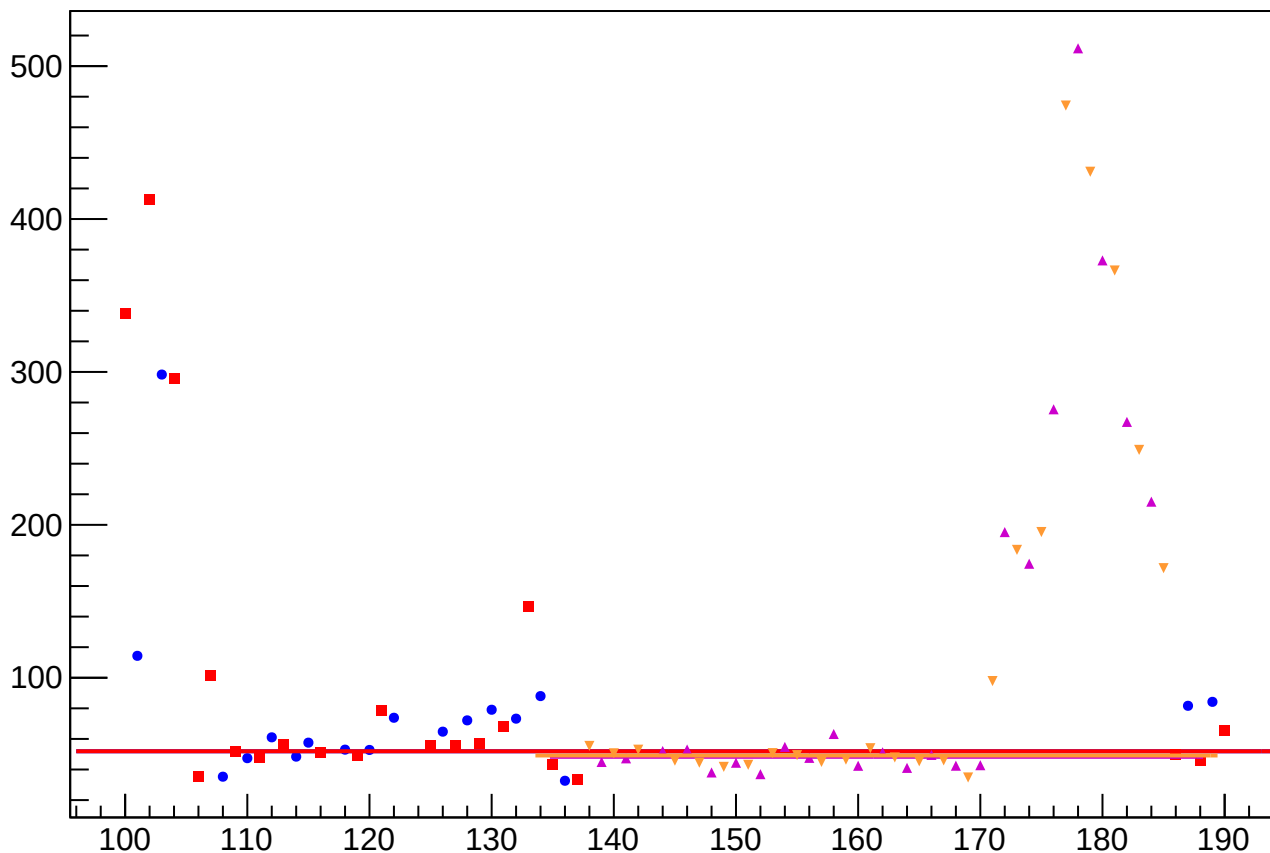
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.026 ± 0.012 χ^2/NDF : 36.4/41

All: -0.013 ± 0.008 χ^2/NDF : 67.7/85

- sign 0.000 ± 0.011 χ^2/NDF : 28.6/43

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 51.927 $\pm$ 0.015 χ^2 /NDF: 2442300.3/17

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250102.5/23

Right Out: 51.943 $\pm$ 0.014 χ^2 /NDF: 2266154.3/20

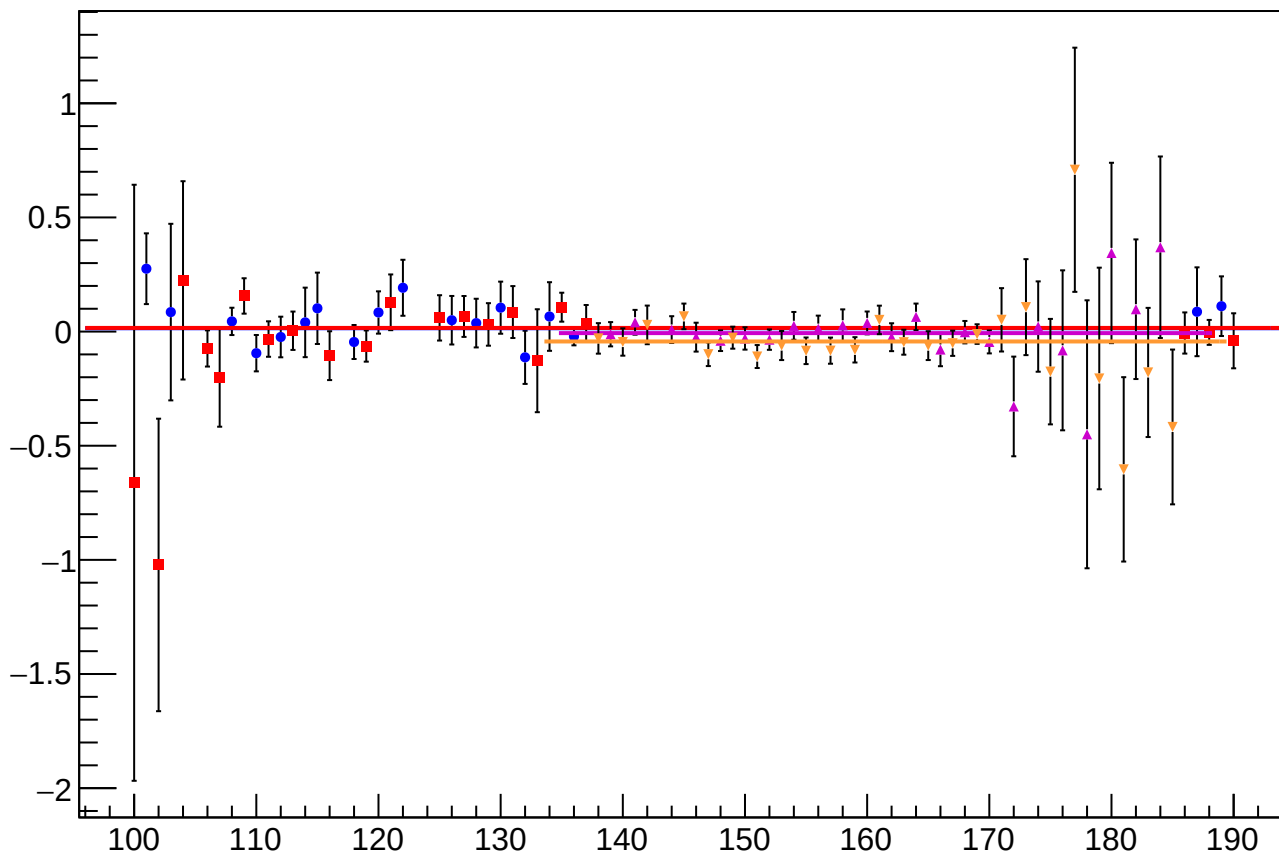
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040585.4/22

+ sign 49.993 $\pm$ 0.008 χ^2 /NDF: 9715515.9/41

All: 49.695 $\pm$ 0.006 χ^2 /NDF: 19068879.2/85

- sign 49.416 $\pm$ 0.008 χ^2 /NDF: 9350830.2/43

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.021 χ^2/NDF : 12.4/17

Left Out: -0.043 ± 0.014 χ^2/NDF : 18.9/23

Right Out: 0.016 ± 0.020 χ^2/NDF : 16.4/20

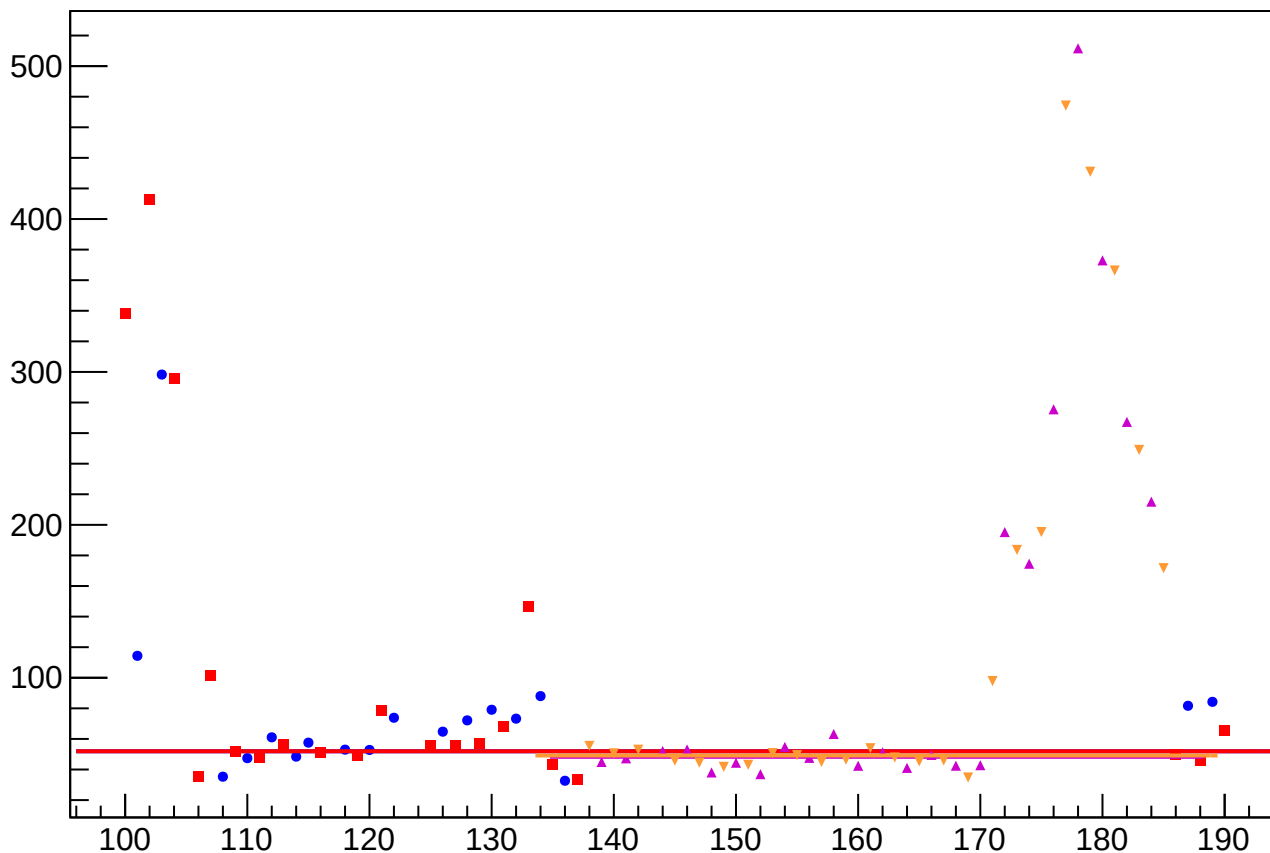
Left In: -0.007 ± 0.014 χ^2/NDF : 11.3/22

+ sign -0.026 ± 0.012 χ^2/NDF : 36.4/41

All: -0.013 ± 0.008 χ^2/NDF : 67.7/85

- sign 0.000 ± 0.011 χ^2/NDF : 28.6/43

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.927 $\pm$ 0.015 χ^2 /NDF: 2442300.3/17

Left Out: 49.180 $\pm$ 0.010 χ^2 /NDF: 7250102.5/23

Right Out: 51.943 $\pm$ 0.014 χ^2 /NDF: 2266154.3/20

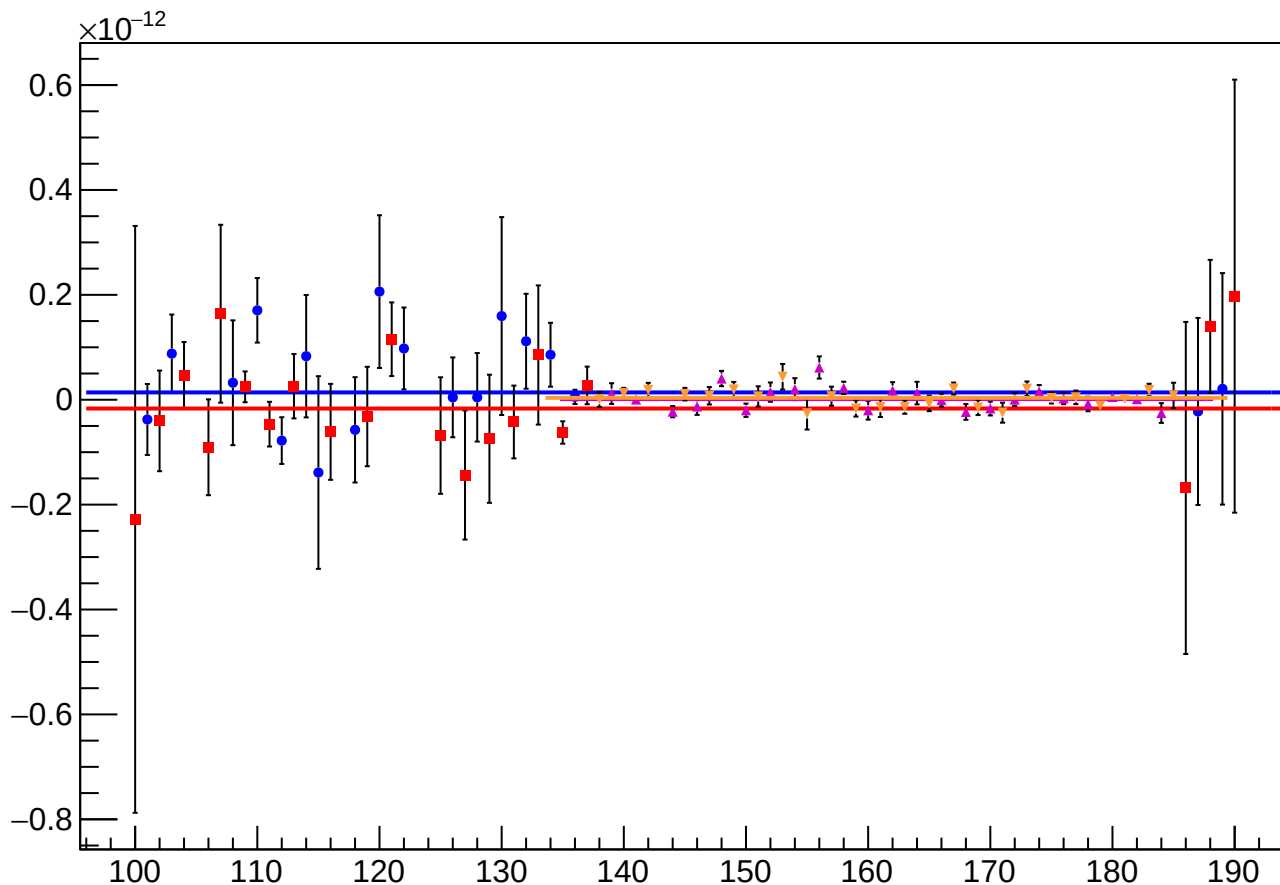
Left In: 48.307 $\pm$ 0.010 χ^2 /NDF: 7040585.4/22

+ sign 49.993 $\pm$ 0.008 χ^2 /NDF: 9715515.9/41

All: 49.695 $\pm$ 0.006 χ^2 /NDF: 19068879.2/85

- sign 49.416 $\pm$ 0.008 χ^2 /NDF: 9350830.2/43

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:24.6/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 20.1/20

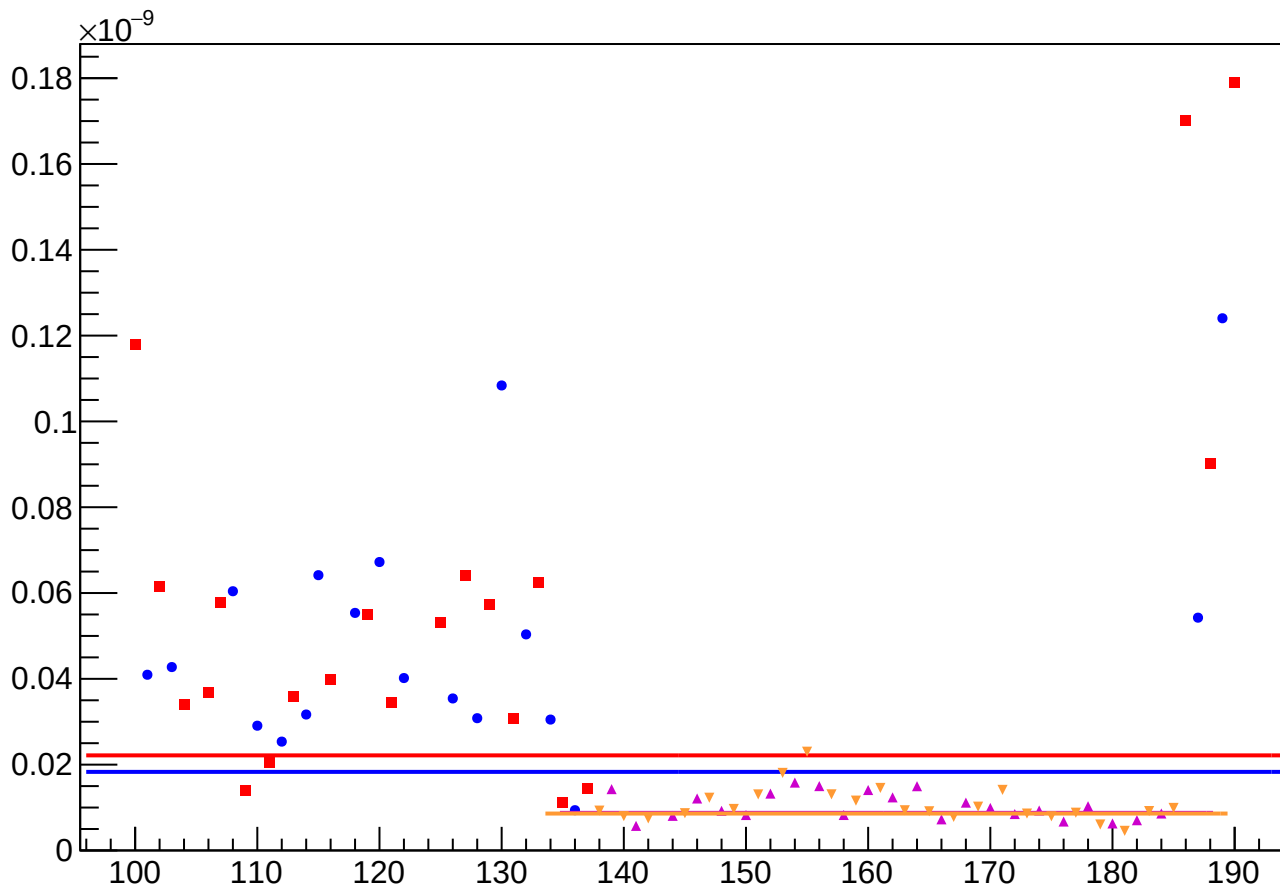
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:40.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.7/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 108.9/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 62.1/43

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3941474.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 3935418.8/20

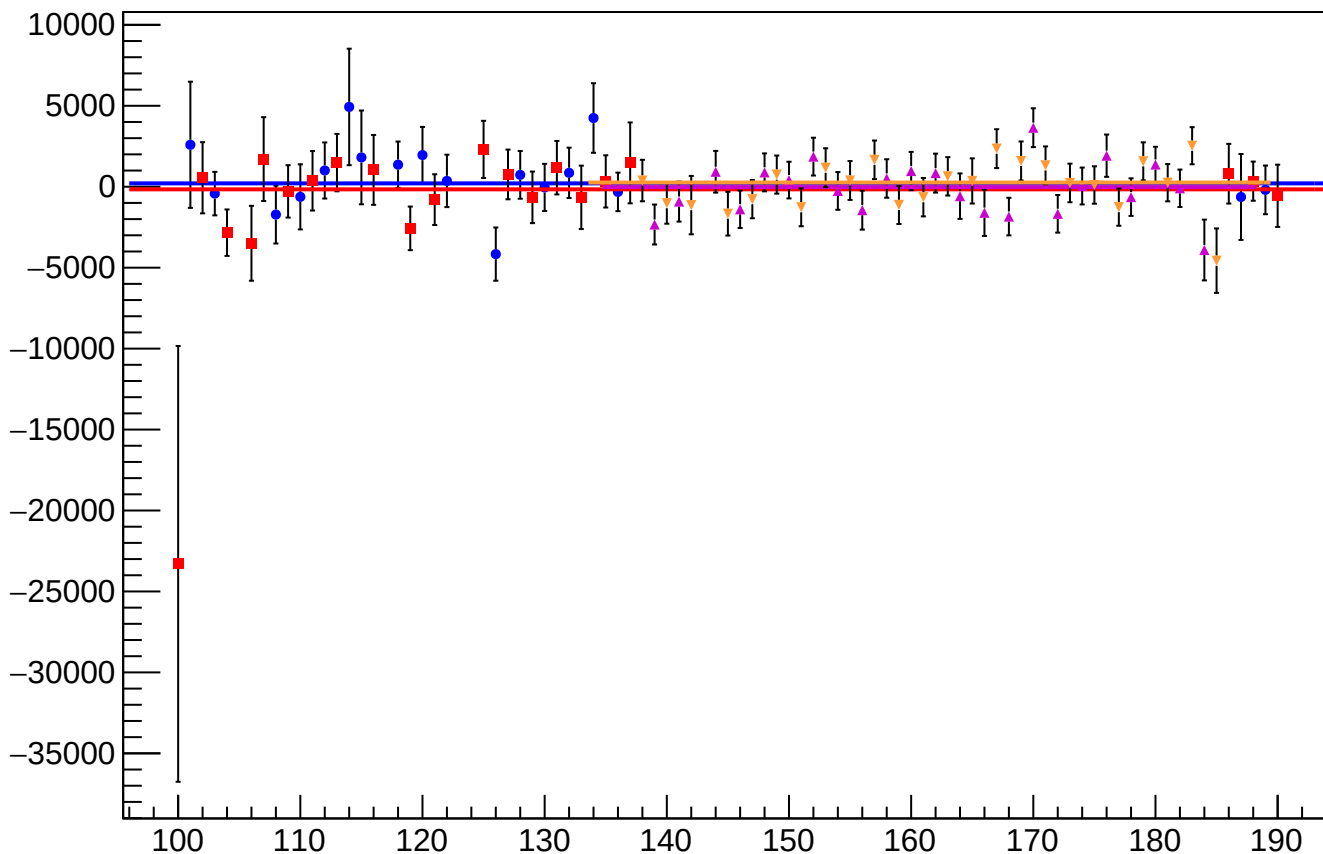
Left In: 0.000+/-0.000 χ^2/NDF : 1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 7844894.1/41

All: 0.000+/-0.000 χ^2/NDF : 15953794.7/85

- sign 0.000+/-0.000 χ^2/NDF : 8099834.4/43

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 207.282 $\pm$ 403.893 χ^2 /NDF: 17.1/17

Left Out: 260.650 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -161.239 $\pm$ 384.470 χ^2 /NDF: 17.9/20

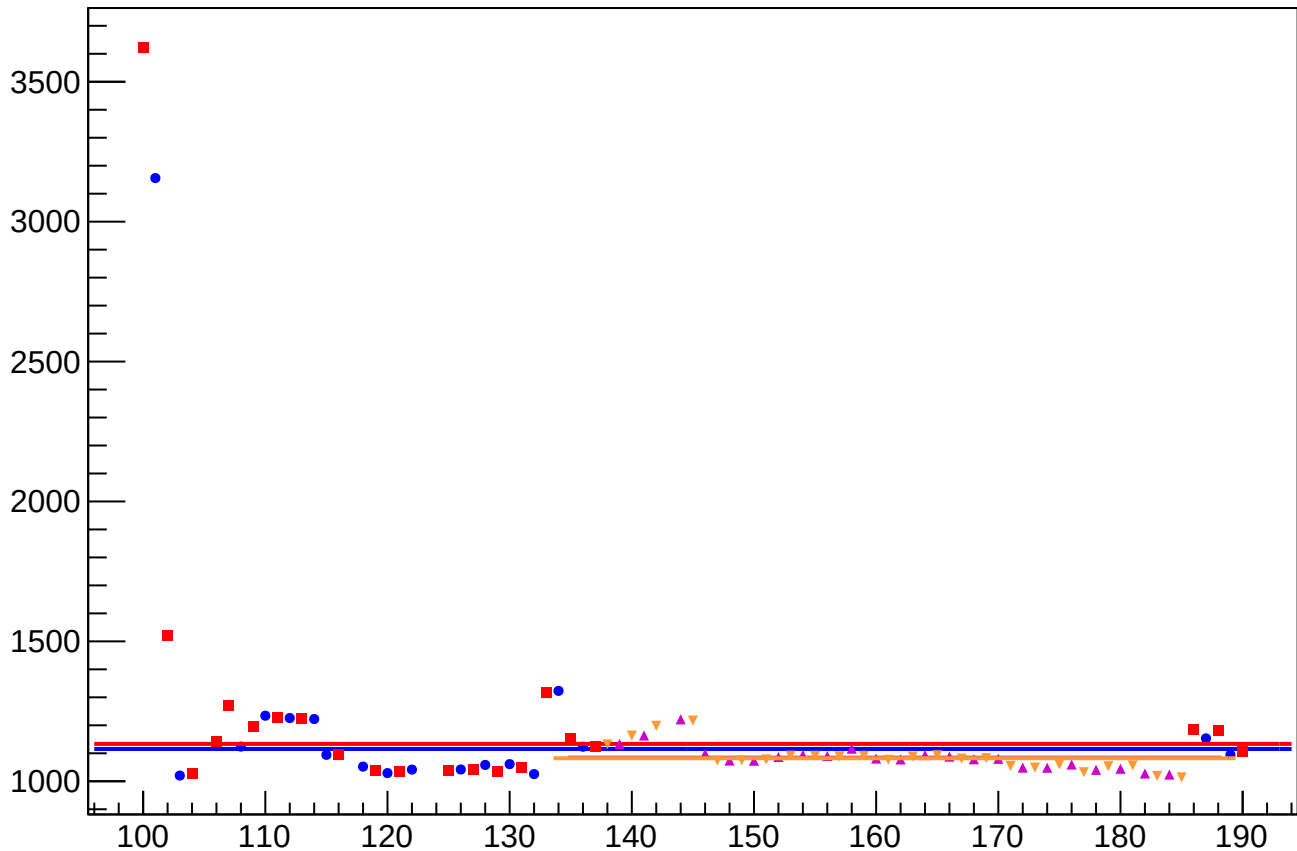
Left In: -22.368 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 245.747 $\pm$ 213.432 χ^2 /NDF: 45.4/41

All: 89.287 $\pm$ 150.245 χ^2 /NDF: 100.2/85

- sign -64.409 $\pm$ 211.539 χ^2 /NDF: 53.8/43

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.405 $\pm$ 0.286 χ^2 /NDF: 624183.6/17

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1133.526 $\pm$ 0.272 χ^2 /NDF: 228040.5/20

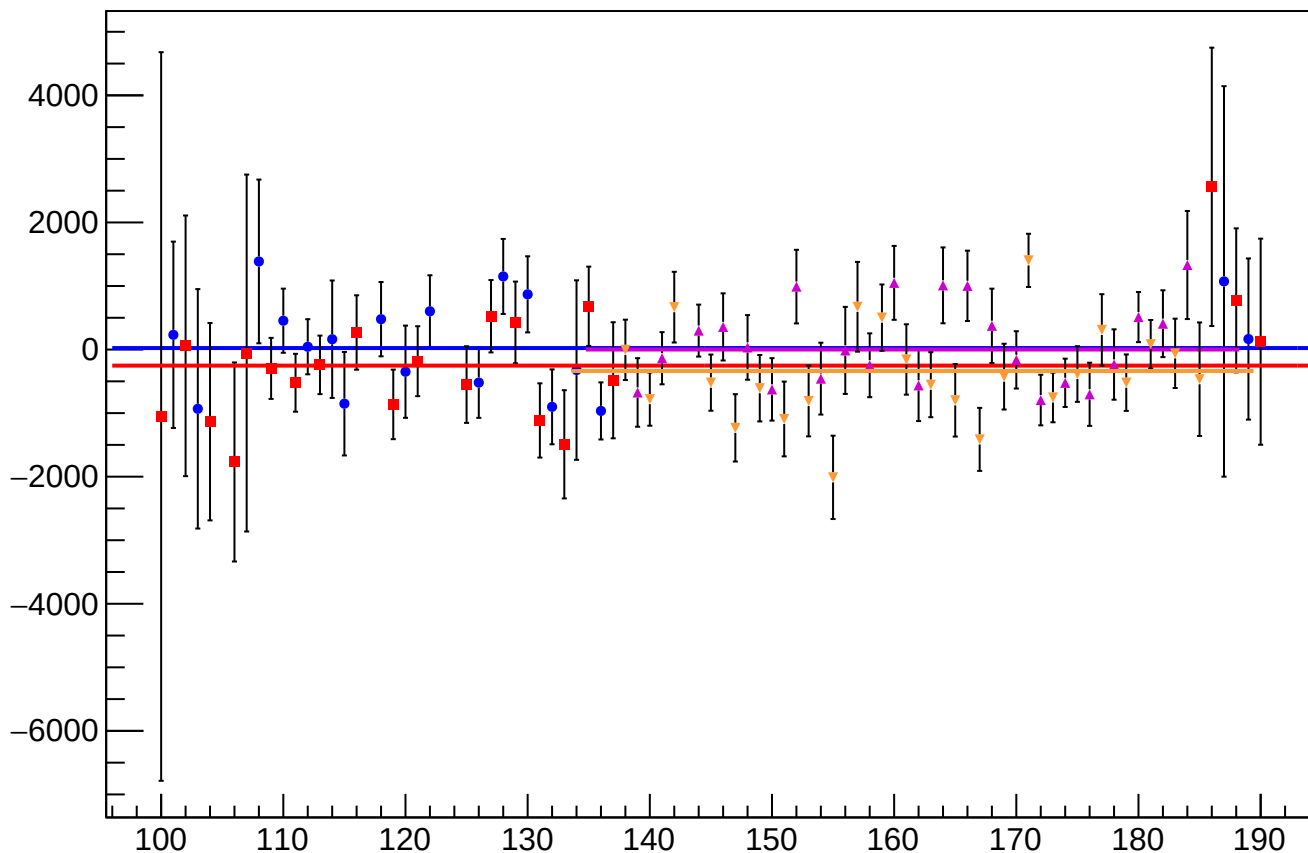
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1091.550 $\pm$ 0.151 χ^2 /NDF: 691736.5/41

All: 1095.363 $\pm$ 0.106 χ^2 /NDF: 997467.0/85

- sign 1099.109 $\pm$ 0.150 χ^2 /NDF: 304465.1/43

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: 23.654+/-159.733 χ^2/NDF : 19.3/17

Left Out: -337.727+/-102.601 χ^2/NDF : 48.8/23

Right Out: -252.645+/-153.647 χ^2/NDF : 16.1/20

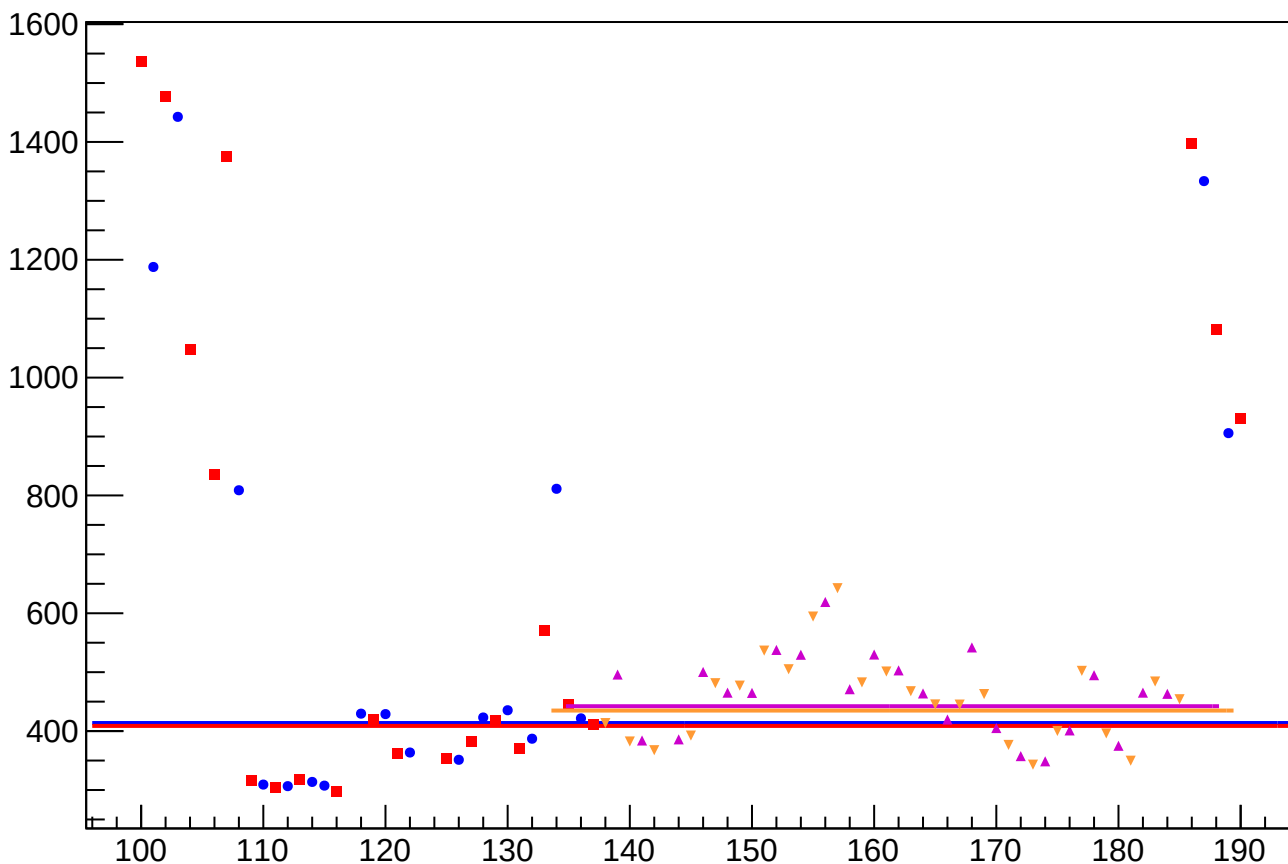
Left In: 0.547+/-104.733 χ^2/NDF : 31.9/22

+ sign -232.175+/-86.327 χ^2/NDF : 71.7/41

All: -156.164+/-61.117 χ^2/NDF : 123.1/85

- sign -79.776+/-86.540 χ^2/NDF : 49.8/43

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 413.682 $\pm$ 0.113 χ^2 /NDF: 2297291.4/17

Left Out: 434.858 $\pm$ 0.073 χ^2 /NDF: 878416.4/23

Right Out: 408.794 $\pm$ 0.109 χ^2 /NDF: 3120510.4/20

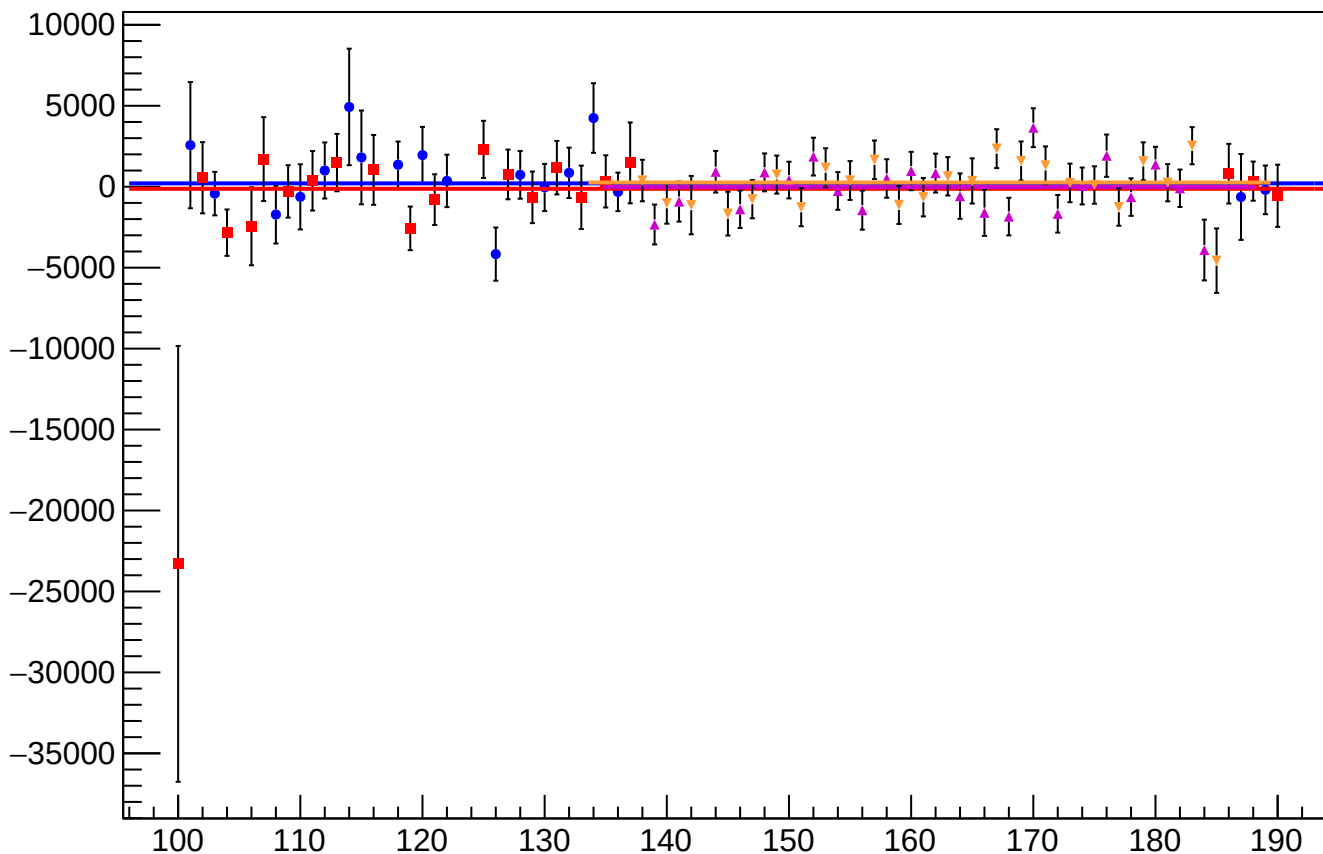
Left In: 442.209 $\pm$ 0.074 χ^2 /NDF: 825972.2/22

+ sign 428.673 $\pm$ 0.061 χ^2 /NDF: 3200592.9/41

All: 430.137 $\pm$ 0.043 χ^2 /NDF: 7212812.1/85

- sign 431.608 $\pm$ 0.061 χ^2 /NDF: 4011066.1/43

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 206.945 $\pm$ 403.893 χ^2 /NDF: 17.1/17

Left Out: 260.639 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -127.271 $\pm$ 384.880 χ^2 /NDF: 16.7/20

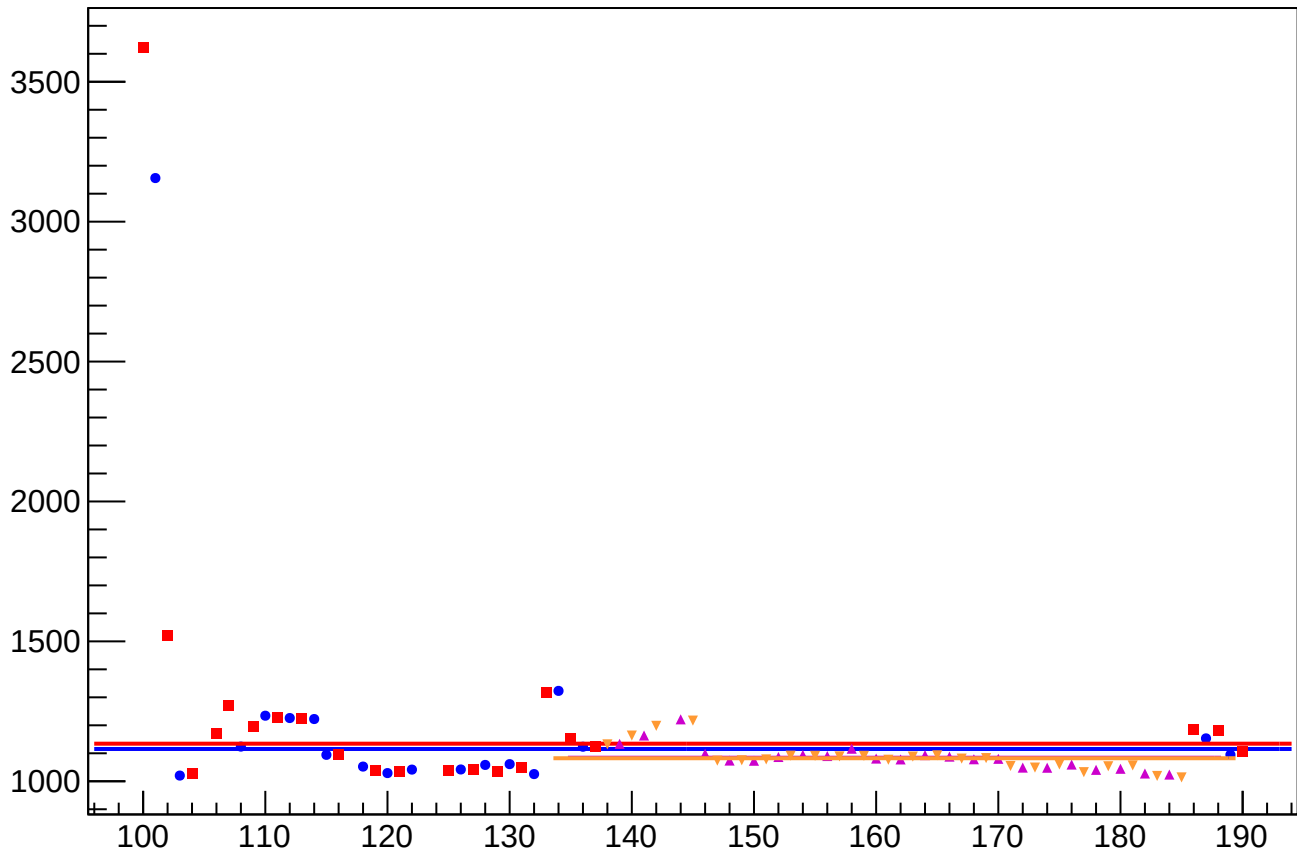
Left In: -22.362 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 245.645 $\pm$ 213.432 χ^2 /NDF: 45.4/41

All: 94.499 $\pm$ 150.270 χ^2 /NDF: 98.9/85

- sign -54.074 $\pm$ 211.607 χ^2 /NDF: 52.6/43

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.405 $\pm$ 0.286 χ^2 /NDF: 624184.6/17

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1134.312 $\pm$ 0.272 χ^2 /NDF: 228518.4/20

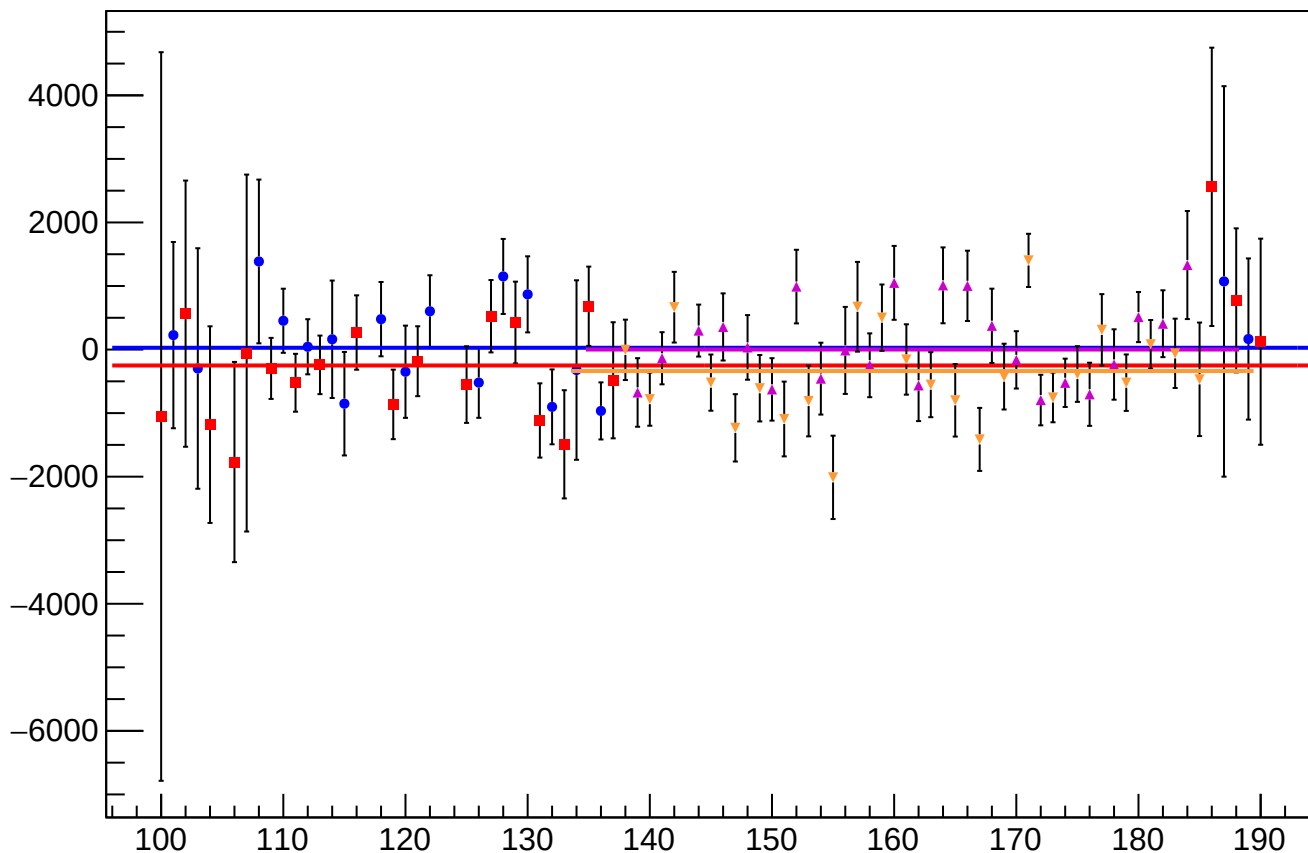
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1091.550 $\pm$ 0.151 χ^2 /NDF: 691737.4/41

All: 1095.470 $\pm$ 0.106 χ^2 /NDF: 998721.1/85

- sign 1099.324 $\pm$ 0.150 χ^2 /NDF: 305645.5/43

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug



Right In: 28.026+/-159.734 χ^2/NDF : 19.1/17

Left Out: -337.816+/-102.601 χ^2/NDF : 48.8/23

Right Out: -250.379+/-153.669 χ^2/NDF : 16.2/20

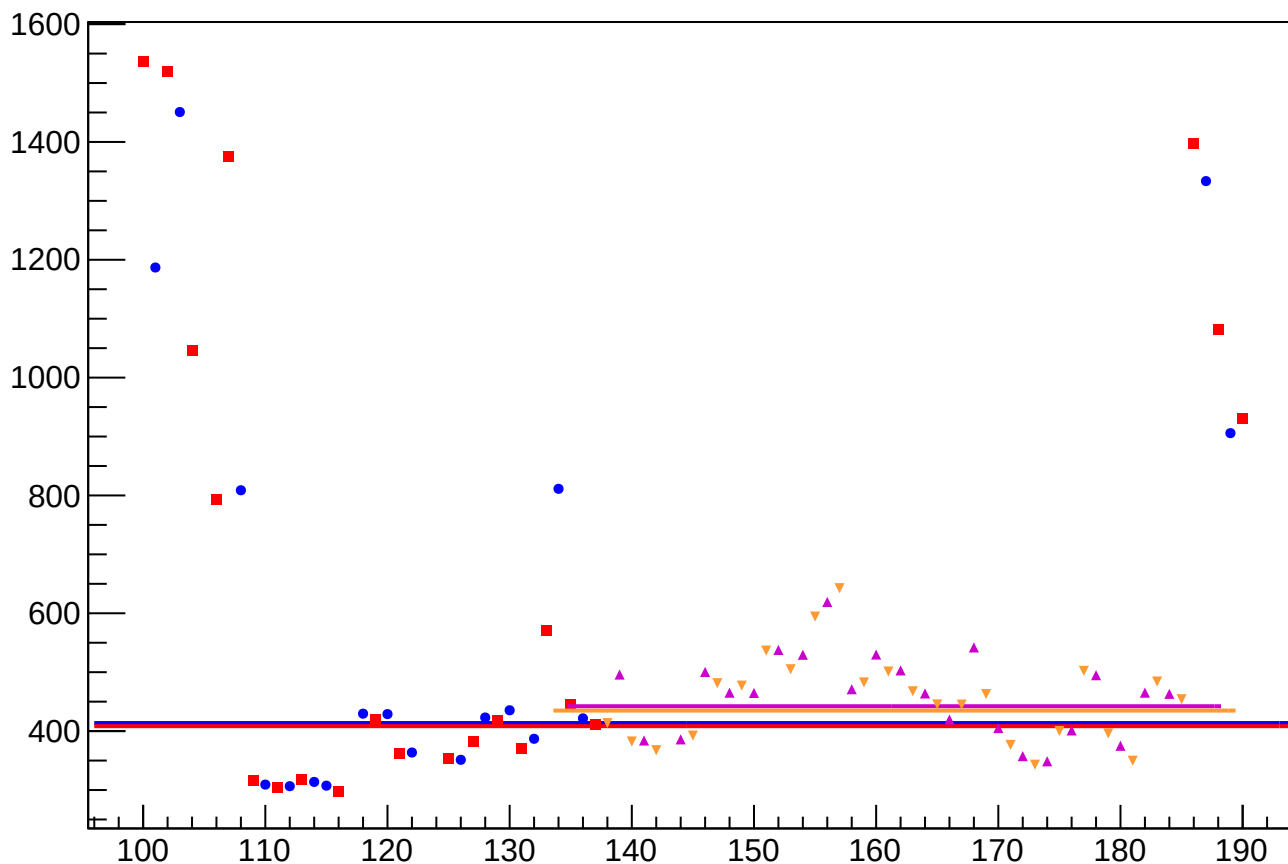
Left In: 0.567+/-104.733 χ^2/NDF : 31.9/22

+ sign -230.963+/-86.327 χ^2/NDF : 71.6/41

All: -155.186+/-61.119 χ^2/NDF : 123.0/85

- sign -79.027+/-86.544 χ^2/NDF : 49.9/43

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 413.670 $\pm$ 0.113 χ^2 /NDF: 2300985.7/17

Left Out: 434.856 $\pm$ 0.073 χ^2 /NDF: 878507.3/23

Right Out: 408.351 $\pm$ 0.109 χ^2 /NDF: 3110260.7/20

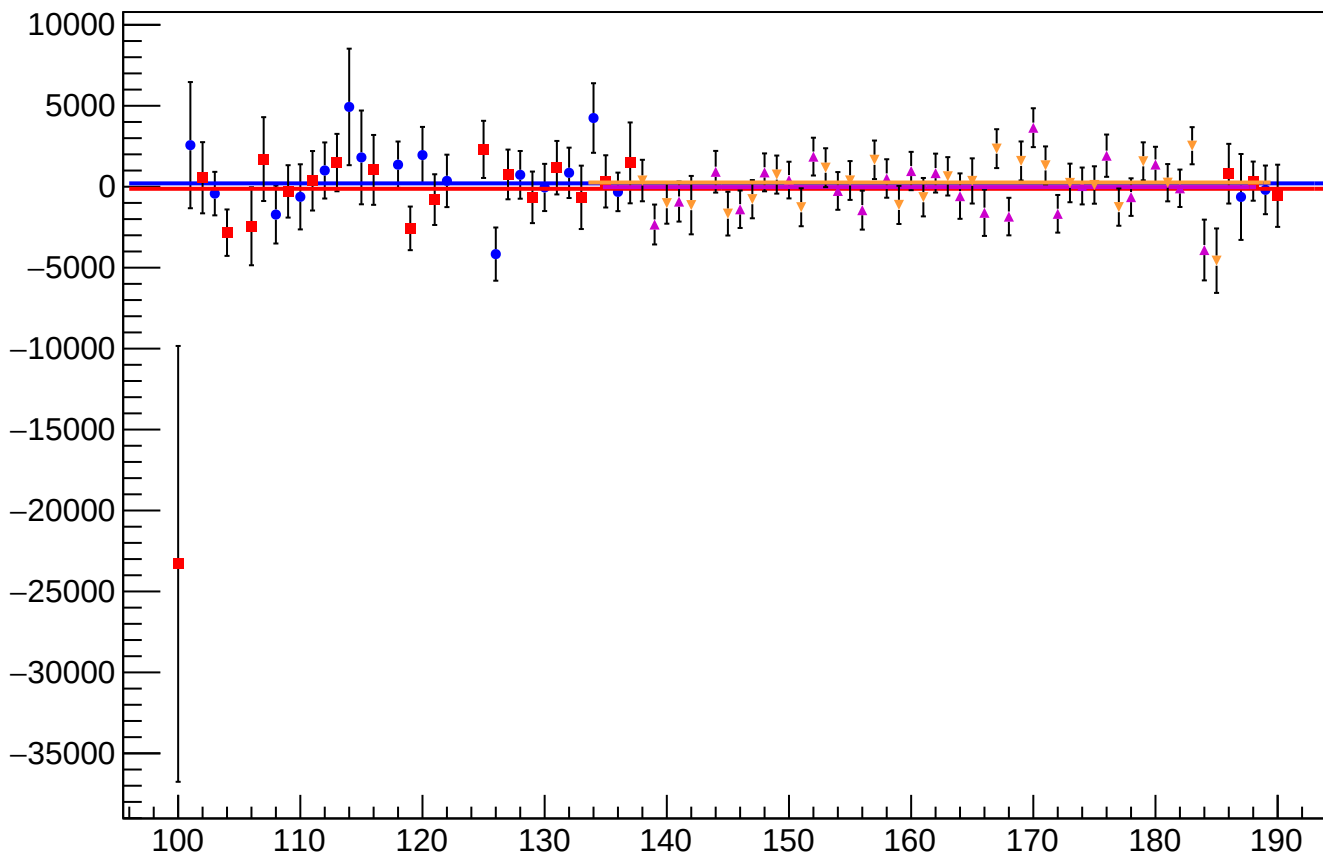
Left In: 442.210 $\pm$ 0.074 χ^2 /NDF: 825844.5/22

+ sign 428.668 $\pm$ 0.061 χ^2 /NDF: 3204399.1/41

All: 430.066 $\pm$ 0.043 χ^2 /NDF: 7207854.1/85

- sign 431.470 $\pm$ 0.061 χ^2 /NDF: 4002403.8/43

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 206.945 $\pm$ 403.893 χ^2 /NDF: 17.1/17

Left Out: 260.639 $\pm$ 251.401 χ^2 /NDF:28.2/23

Right Out: -127.271 $\pm$ 384.880 χ^2 /NDF: 16.7/20

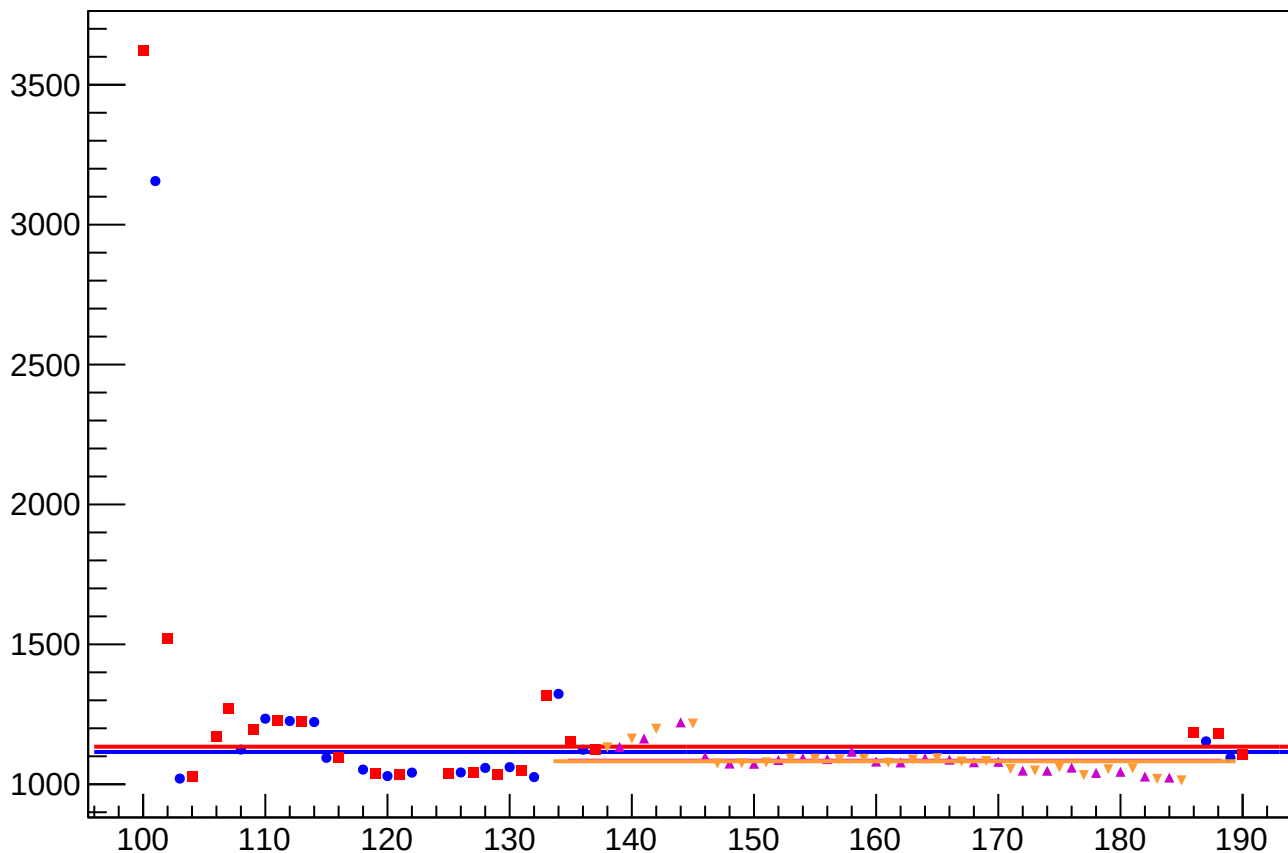
Left In: -22.362 $\pm$ 253.332 χ^2 /NDF:35.8/22

+ sign 245.645 $\pm$ 213.432 χ^2 /NDF: 45.4/41

All: 94.499 $\pm$ 150.270 χ^2 /NDF: 98.9/85

- sign -54.074 $\pm$ 211.607 χ^2 /NDF: 52.6/43

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.405 $\pm$ 0.286 χ^2 /NDF: 624184.6/17

Left Out: 1082.308 $\pm$ 0.178 χ^2 /NDF: 57873.0/23

Right Out: 1134.312 $\pm$ 0.272 χ^2 /NDF: 228518.4/20

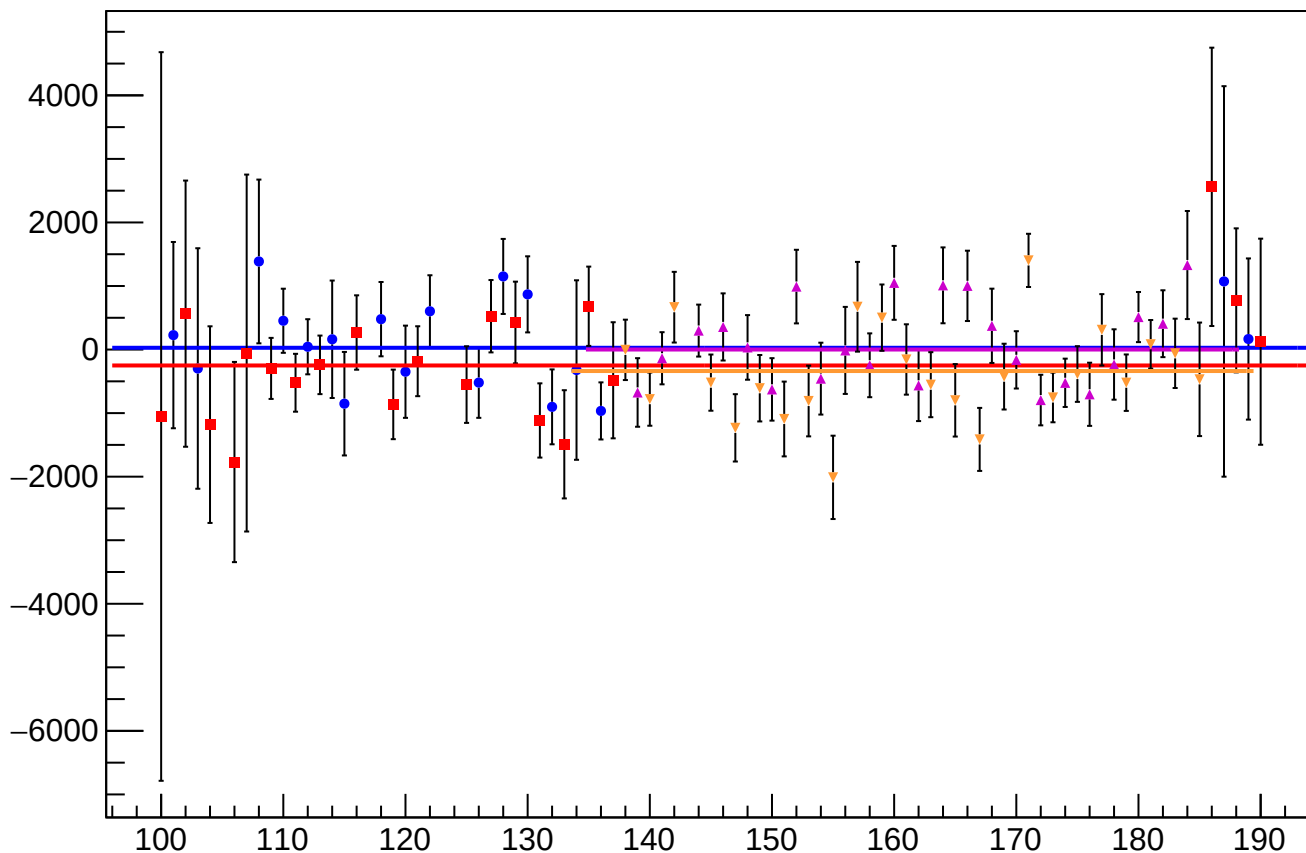
Left In: 1084.166 $\pm$ 0.179 χ^2 /NDF: 53438.8/22

+ sign 1091.550 $\pm$ 0.151 χ^2 /NDF: 691737.4/41

All: 1095.470 $\pm$ 0.106 χ^2 /NDF: 998721.1/85

- sign 1099.324 $\pm$ 0.150 χ^2 /NDF: 305645.5/43

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug



Right In: 28.026+/-159.734 χ^2/NDF : 19.1/17

Left Out: -337.816+/-102.601 χ^2/NDF : 48.8/23

Right Out: -250.379+/-153.669 χ^2/NDF : 16.2/20

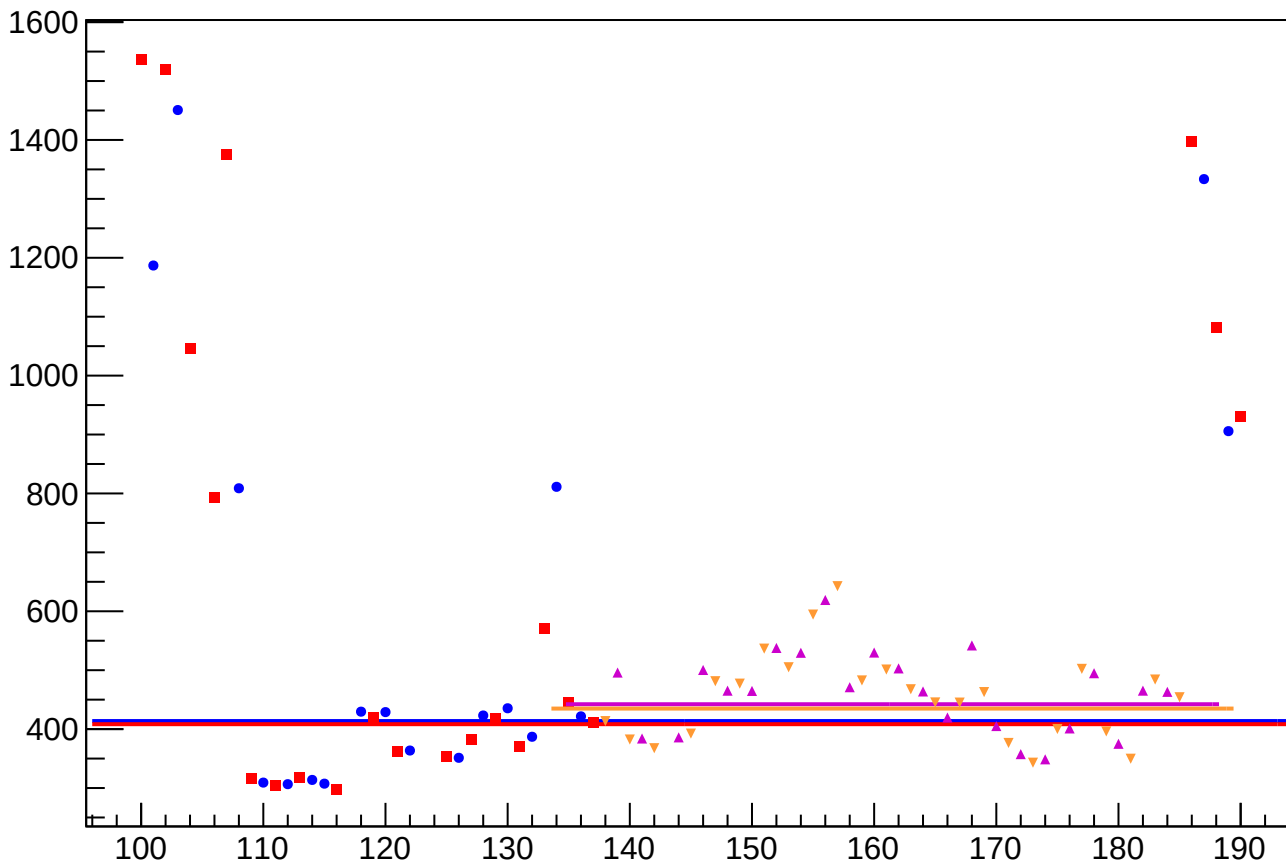
Left In: 0.567+/-104.733 χ^2/NDF : 31.9/22

+ sign -230.963+/-86.327 χ^2/NDF : 71.6/41

All: -155.186+/-61.119 χ^2/NDF : 123.0/85

- sign -79.027+/-86.544 χ^2/NDF : 49.9/43

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 413.670 $\pm$ 0.113 χ^2 /NDF: 2300985.7/17

Left Out: 434.856 $\pm$ 0.073 χ^2 /NDF:878507.3/23

Right Out: 408.351 $\pm$ 0.109 χ^2 /NDF: 3110260.7/20

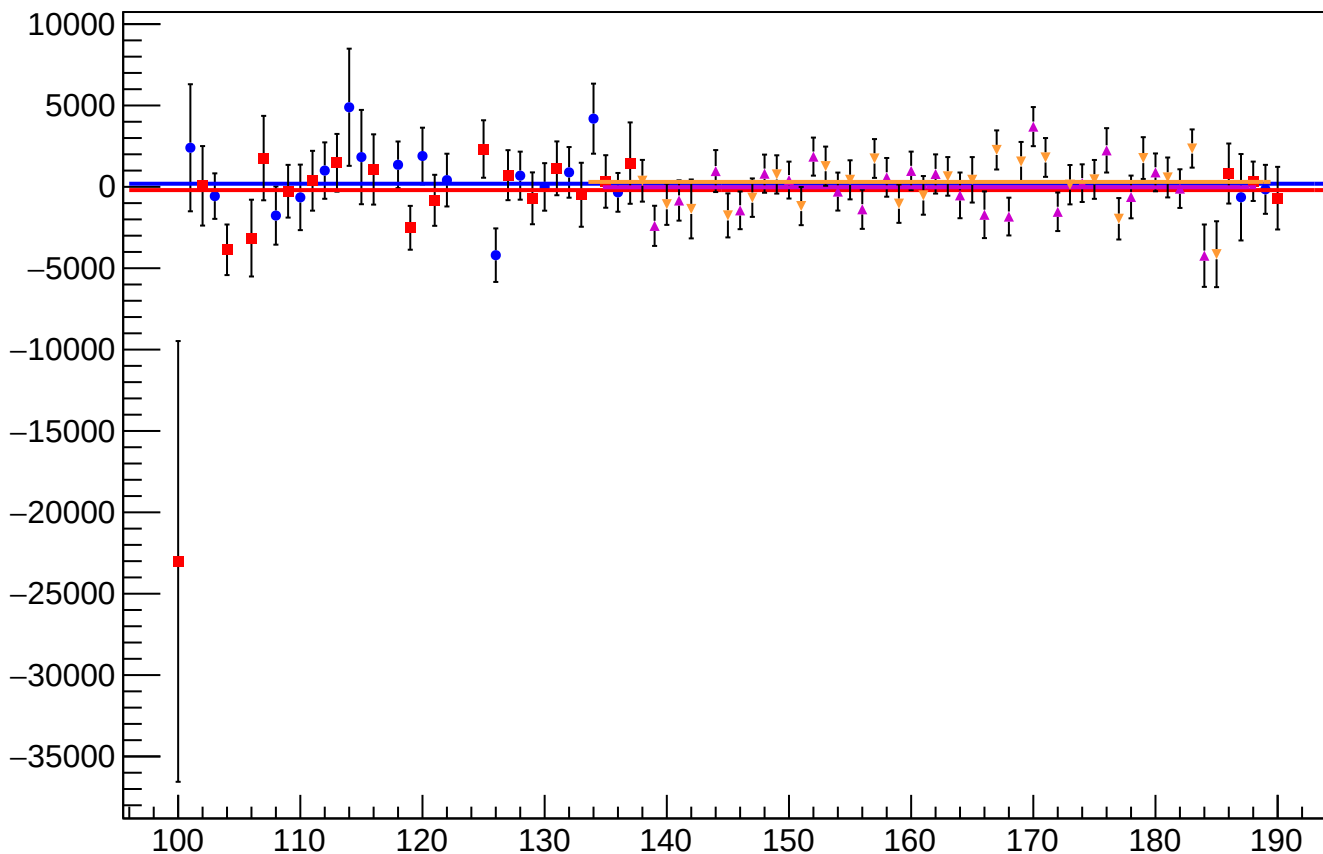
Left In: 442.210 $\pm$ 0.074 χ^2 /NDF:825844.5/22

+ sign 428.668 $\pm$ 0.061 χ^2 /NDF: 3204399.1/41

All: 430.066 $\pm$ 0.043 χ^2 /NDF: 7207854.1/85

- sign 431.470 $\pm$ 0.061 χ^2 /NDF: 4002403.8/43

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 191.691 ± 405.597 χ^2/NDF : 17.1/17

Left Out: 303.404 ± 255.556 χ^2/NDF : 28.5/23

Right Out: -199.560 ± 388.184 χ^2/NDF : 19.3/20

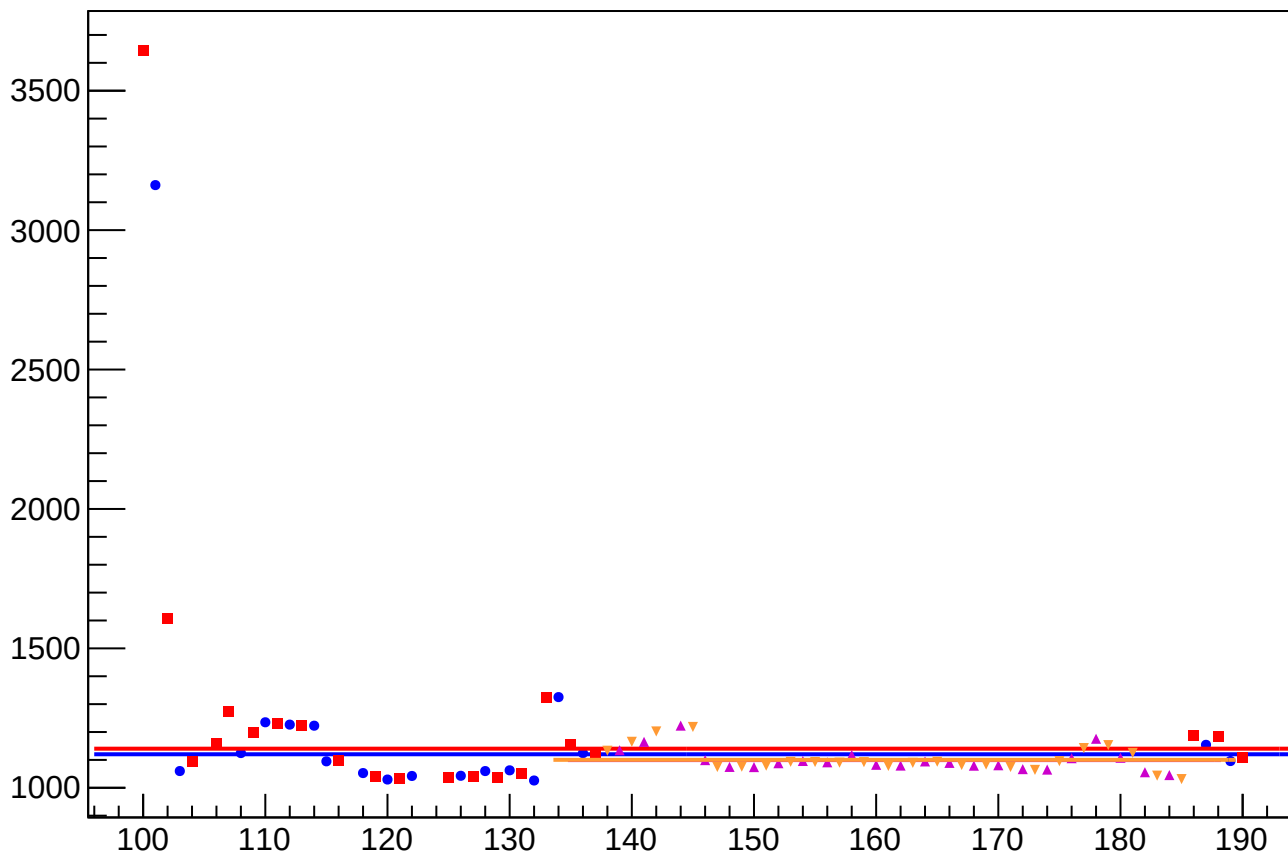
Left In: -25.319 ± 256.866 χ^2/NDF : 35.9/22

+ sign 271.657 ± 216.217 χ^2/NDF : 45.7/41

All: 95.011 ± 152.175 χ^2/NDF : 102.3/85

- sign -78.379 ± 214.214 χ^2/NDF : 55.3/43

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1120.215+/-0.287 χ^2/NDF : 617887.8/17

Left Out: 1100.258+/-0.181 χ^2/NDF : 48774.1/23

Right Out: 1140.265+/-0.274 χ^2/NDF : 232249.5/20

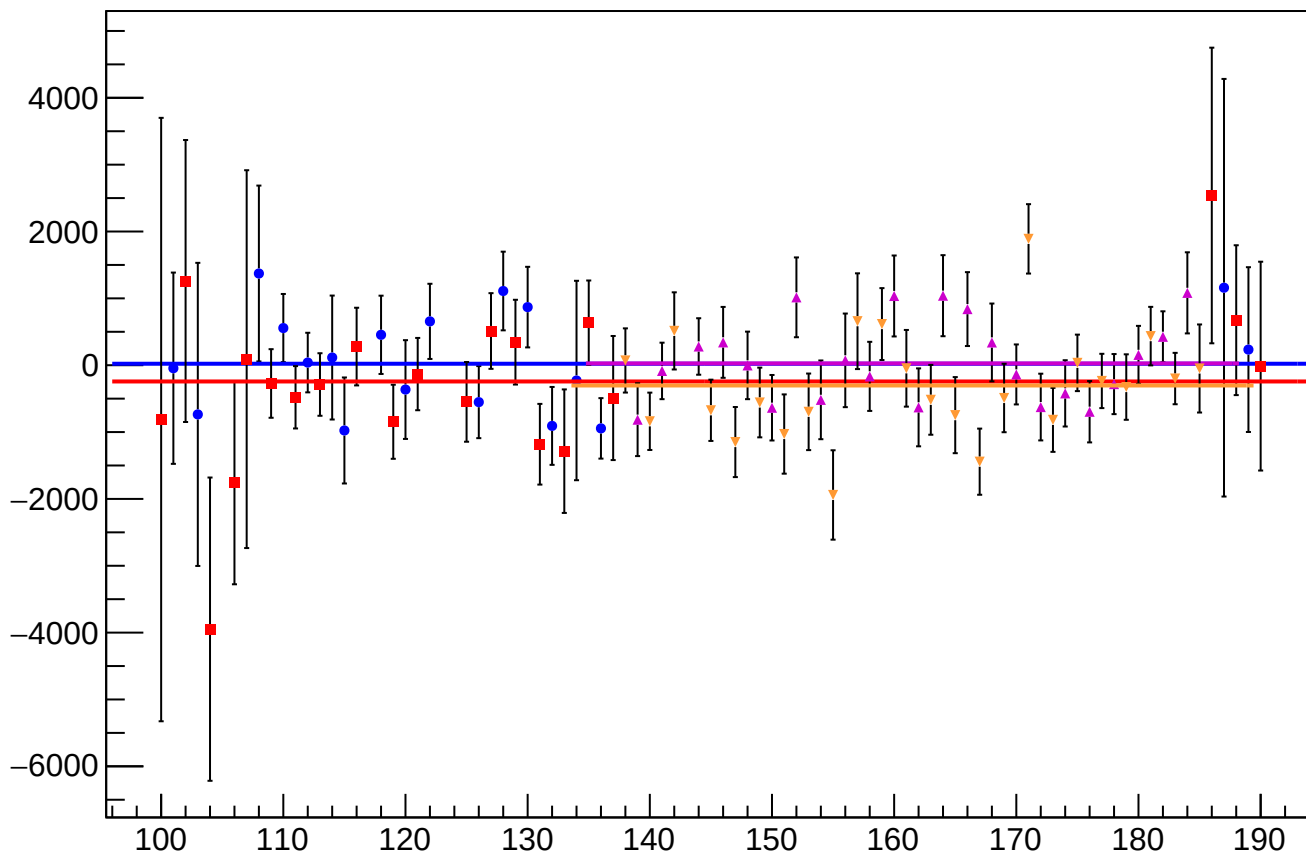
Left In: 1099.342+/-0.182 χ^2/NDF : 44785.6/22

+ sign 1105.929+/-0.153 χ^2/NDF : 670127.9/41

All: 1108.894+/-0.108 χ^2/NDF : 963366.9/85

- sign 1111.804+/-0.151 χ^2/NDF : 292493.9/43

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug



Right In: 21.995+/-160.256 χ^2/NDF : 19.8/17

Left Out: -303.217+/-102.979 χ^2/NDF : 49.5/23

Right Out: -243.115+/-156.075 χ^2/NDF : 17.4/20

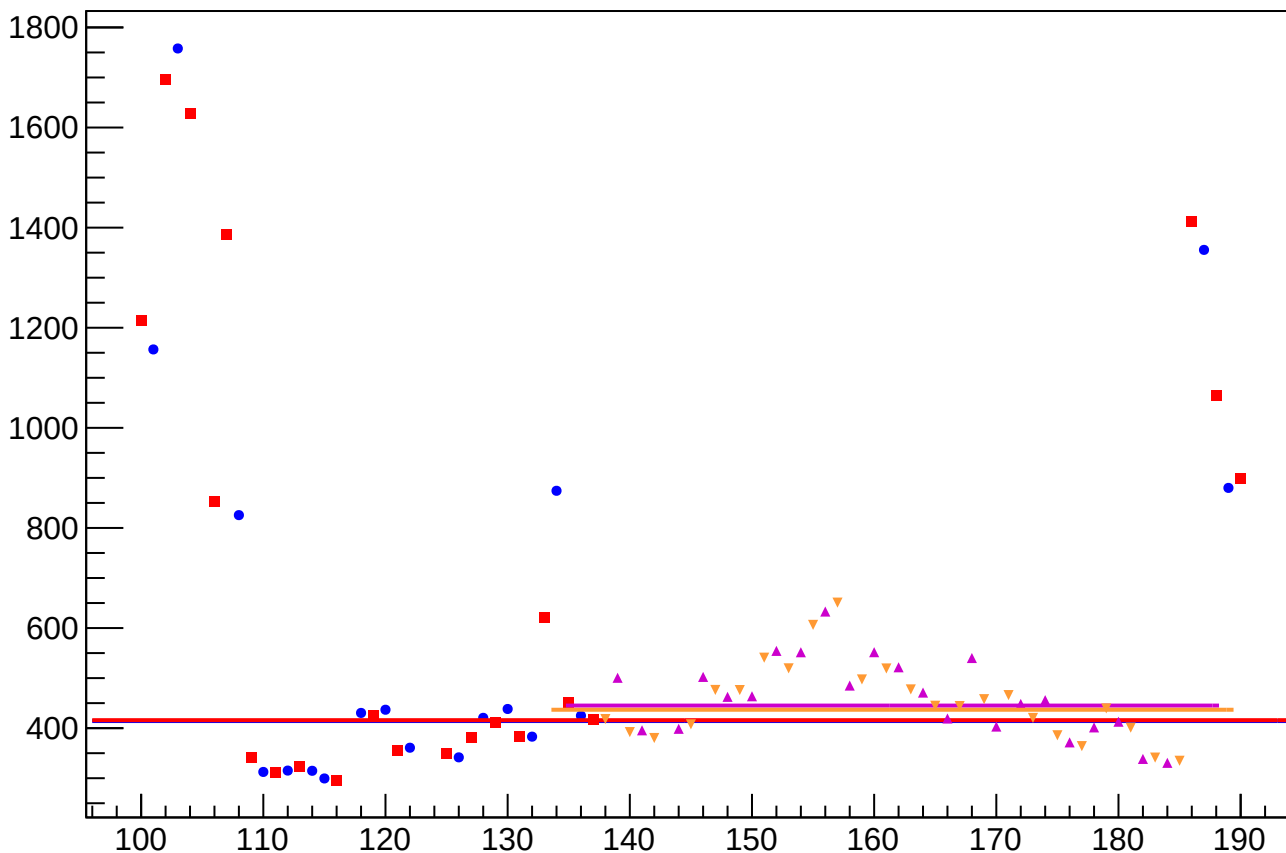
Left In: 26.740+/-105.420 χ^2/NDF : 27.9/22

+ sign -208.174+/-86.634 χ^2/NDF : 72.2/41

All: -133.616+/-61.515 χ^2/NDF : 121.0/85

- sign -57.804+/-87.359 χ^2/NDF : 47.3/43

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 414.217 $\pm$ 0.113 χ^2 /NDF: 2405481.0/17

Left Out: 436.787 $\pm$ 0.073 χ^2 /NDF:855206.3/23

Right Out: 415.951 $\pm$ 0.110 χ^2 /NDF: 3509998.6/20

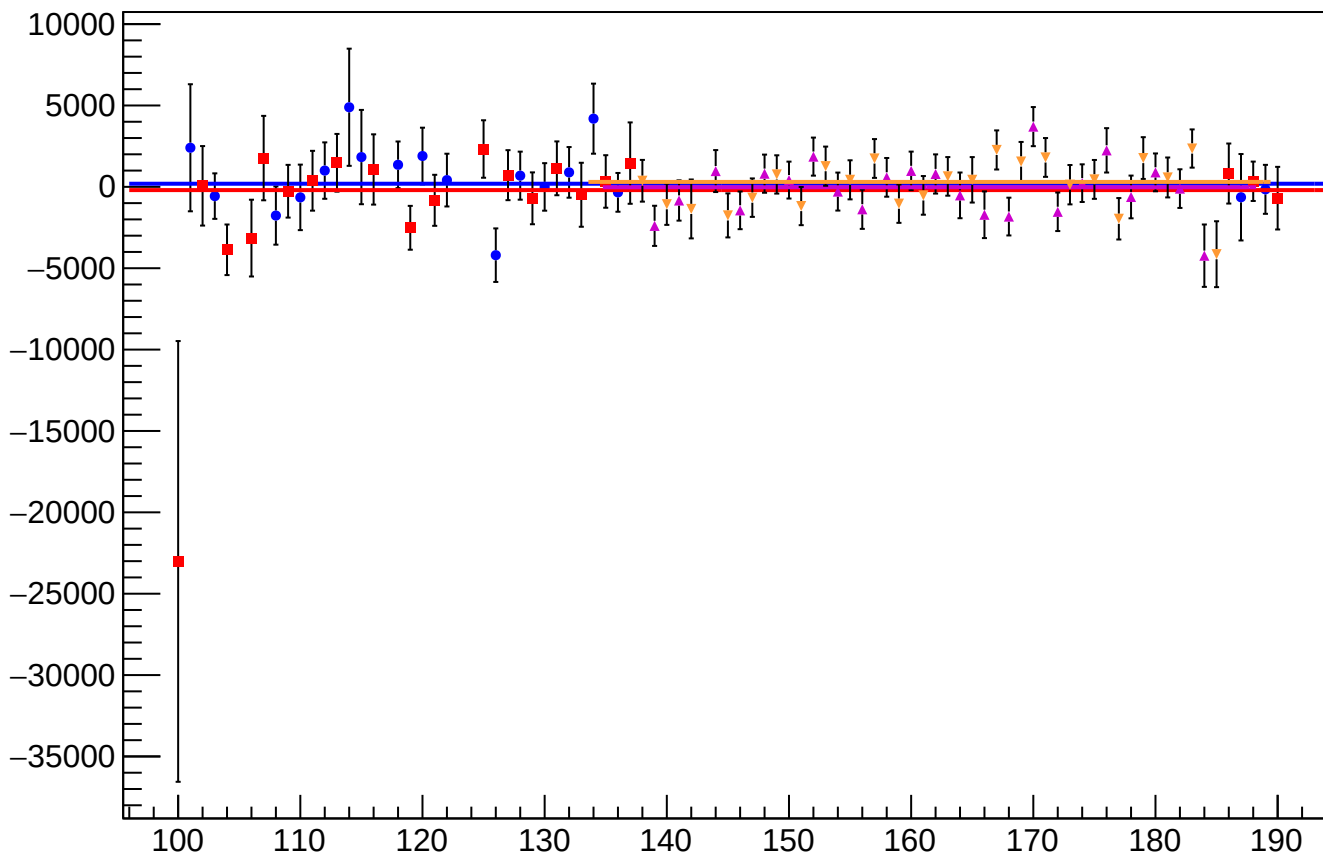
Left In: 445.109 $\pm$ 0.075 χ^2 /NDF:874534.9/22

+ sign 430.191 $\pm$ 0.061 χ^2 /NDF: 3288765.0/41

All: 433.058 $\pm$ 0.043 χ^2 /NDF: 7725650.5/85

- sign 435.974 $\pm$ 0.062 χ^2 /NDF: 4432466.7/43

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 191.692 ± 405.597 $\chi^2/\text{NDF}: 17.1/17$

Left Out: 303.402 ± 255.556 $\chi^2/\text{NDF}: 28.5/23$

Right Out: -199.561 ± 388.184 $\chi^2/\text{NDF}: 19.3/20$

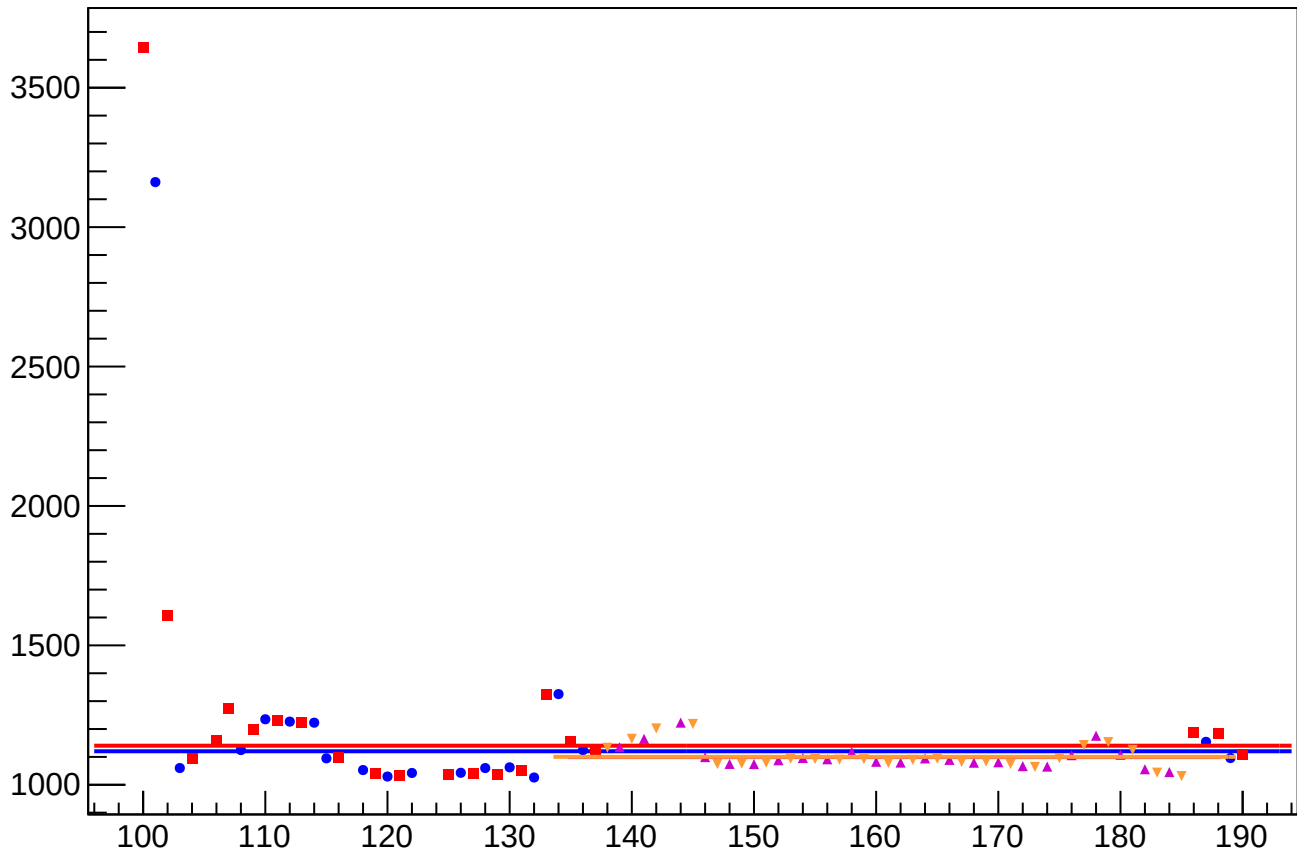
Left In: -25.320 ± 256.866 $\chi^2/\text{NDF}: 35.9/22$

+ sign 271.656 ± 216.217 $\chi^2/\text{NDF}: 45.7/41$

All: 95.010 ± 152.175 $\chi^2/\text{NDF}: 102.3/85$

- sign -78.380 ± 214.214 $\chi^2/\text{NDF}: 55.3/43$

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1120.215 $\pm$ 0.287 χ^2 /NDF: 617887.8/17

Left Out: 1100.258 $\pm$ 0.181 χ^2 /NDF: 48774.3/23

Right Out: 1140.265 $\pm$ 0.274 χ^2 /NDF: 232249.5/20

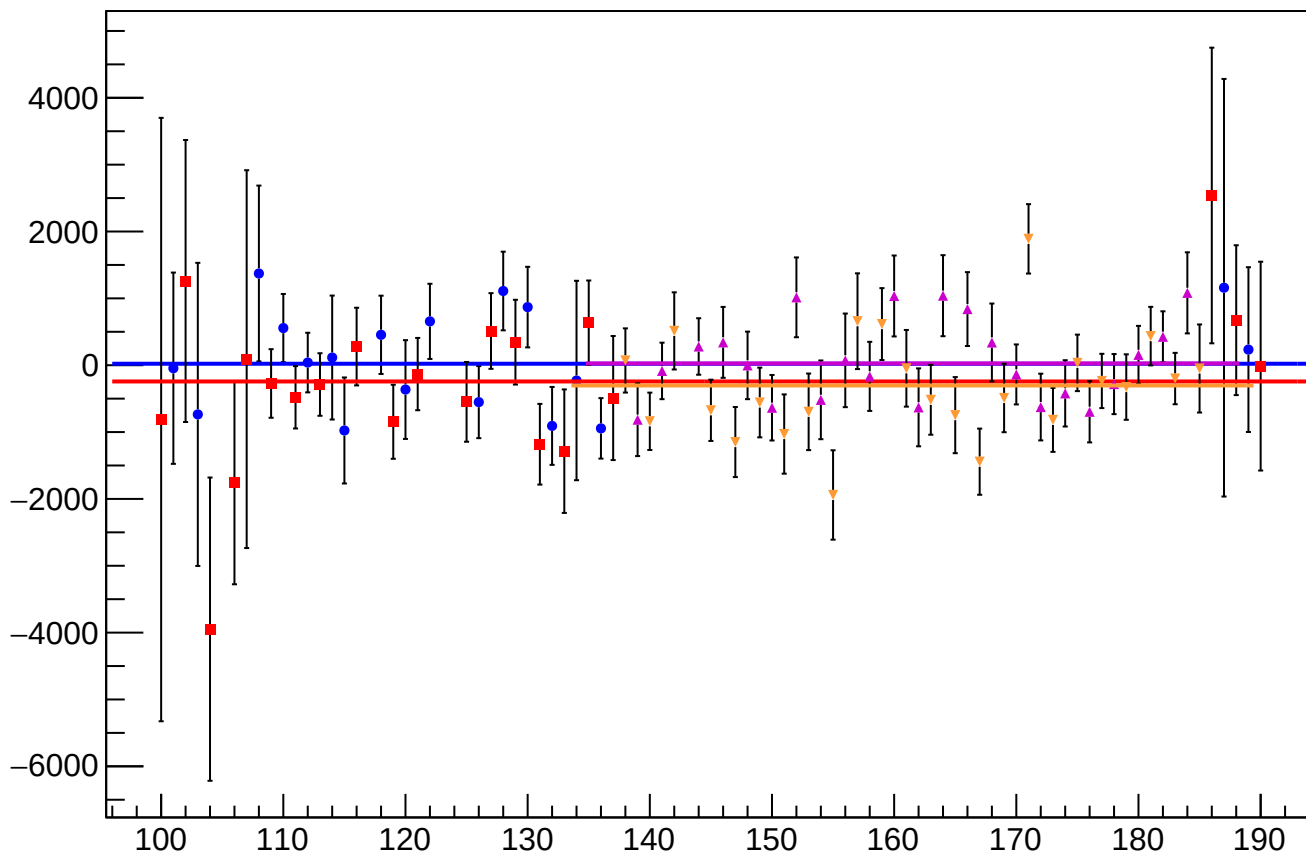
Left In: 1099.342 $\pm$ 0.182 χ^2 /NDF: 44785.7/22

+ sign 1105.929 $\pm$ 0.153 χ^2 /NDF: 670128.2/41

All: 1108.894 $\pm$ 0.108 χ^2 /NDF: 963367.3/85

- sign 1111.804 $\pm$ 0.151 χ^2 /NDF: 292494.1/43

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug



Right In: 21.991 $\pm$ 160.255 χ^2 /NDF: 19.8/17

Left Out: -303.218 $\pm$ 102.979 χ^2 /NDF: 49.5/23

Right Out: -243.112 $\pm$ 156.074 χ^2 /NDF: 17.4/20

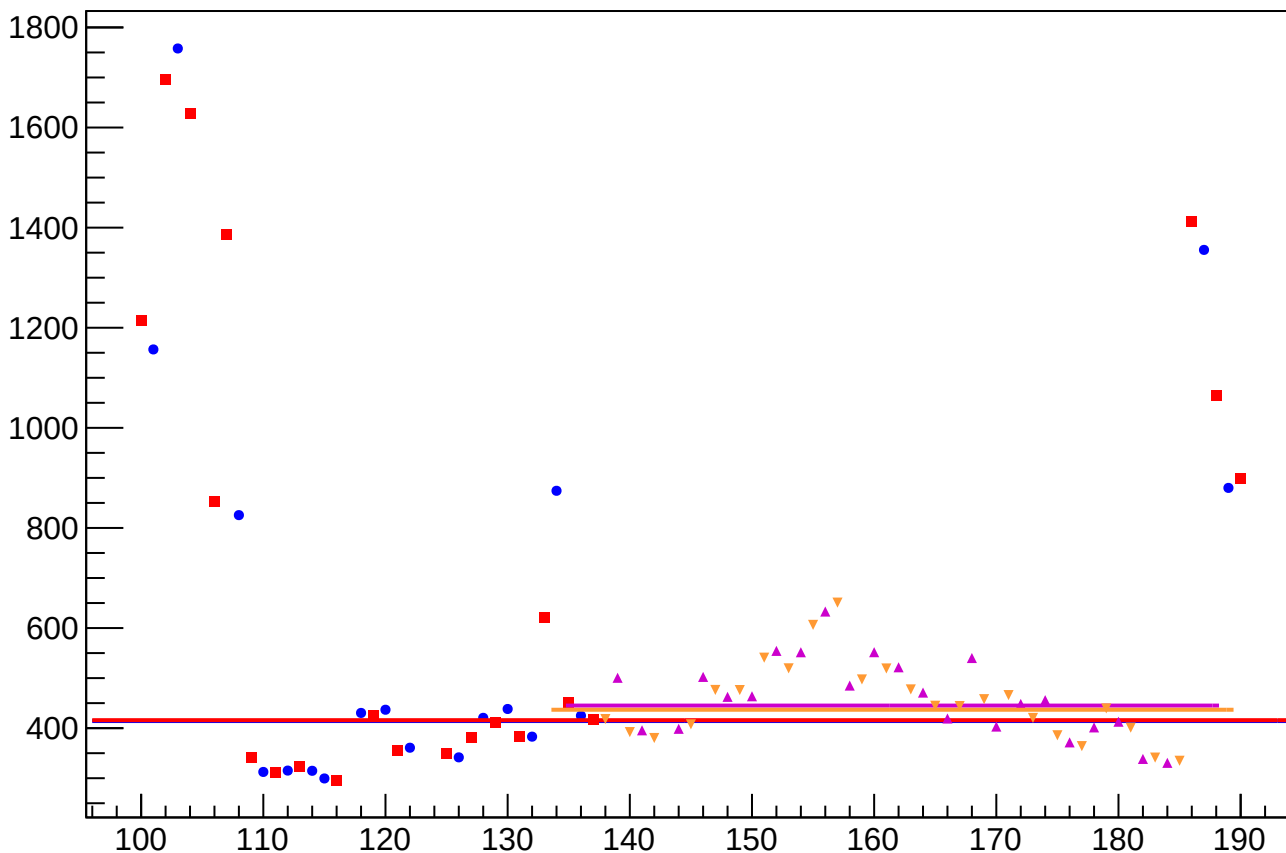
Left In: 26.739 $\pm$ 105.420 χ^2 /NDF: 27.9/22

+ sign -208.175 $\pm$ 86.634 χ^2 /NDF: 72.2/41

All: -133.616 $\pm$ 61.514 χ^2 /NDF: 121.0/85

- sign -57.804 $\pm$ 87.359 χ^2 /NDF: 47.3/43

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 414.213+/-0.113 χ^2/NDF : 2405479.0/17

Left Out: 436.787+/-0.073 χ^2/NDF : 855236.5/23

Right Out: 415.948+/-0.110 χ^2/NDF : 3510010.4/20

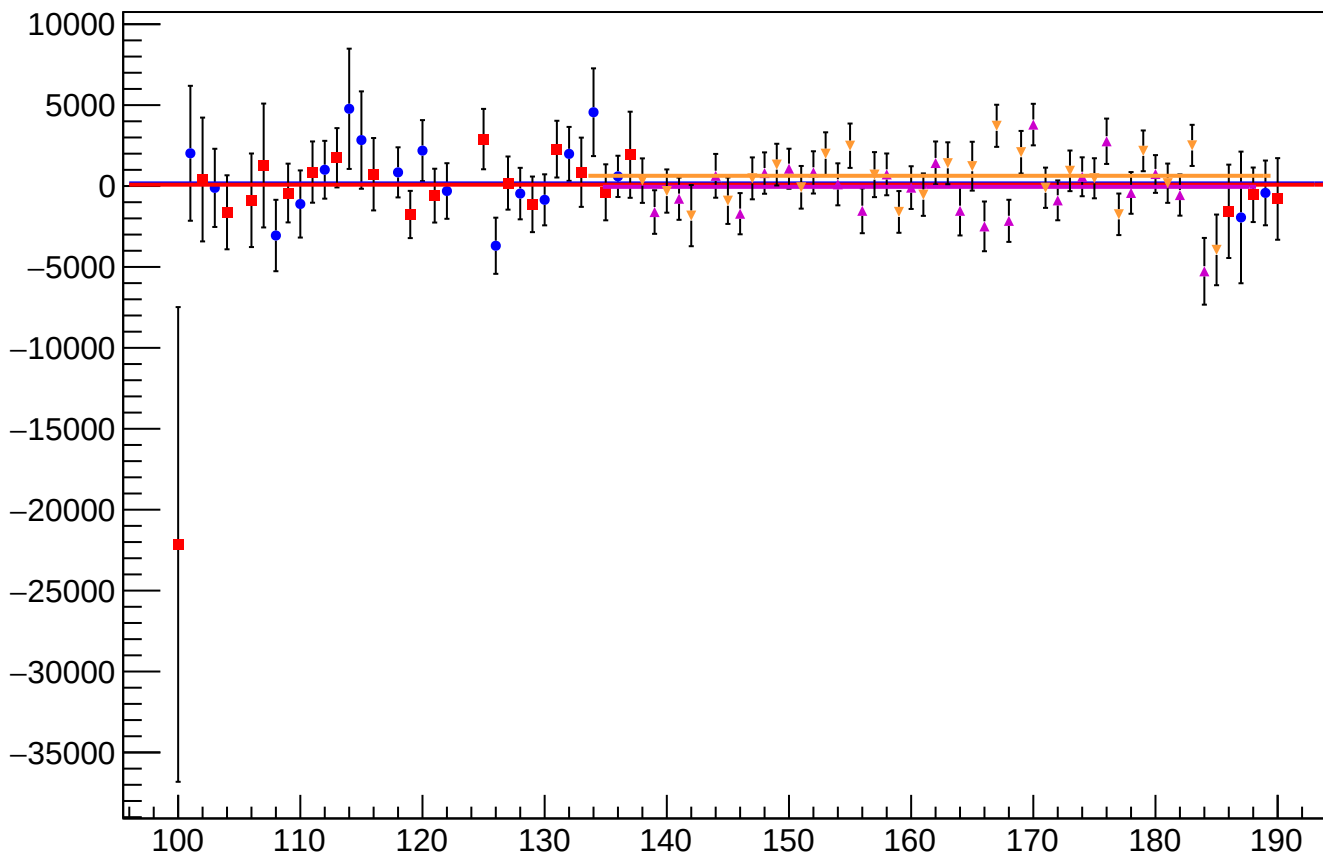
Left In: 445.108+/-0.075 χ^2/NDF : 874568.8/22

+ sign 430.190+/-0.061 χ^2/NDF : 3288800.3/41

All: 433.057+/-0.043 χ^2/NDF : 7725741.3/85

- sign 435.972+/-0.062 χ^2/NDF : 4432522.6/43

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 163.067+/-458.795 χ^2/NDF : 16.5/17

Left Out: 632.875+/-274.060 χ^2/NDF :30.1/23

Right Out: 82.758+/-446.779 χ^2/NDF : 11.6/20

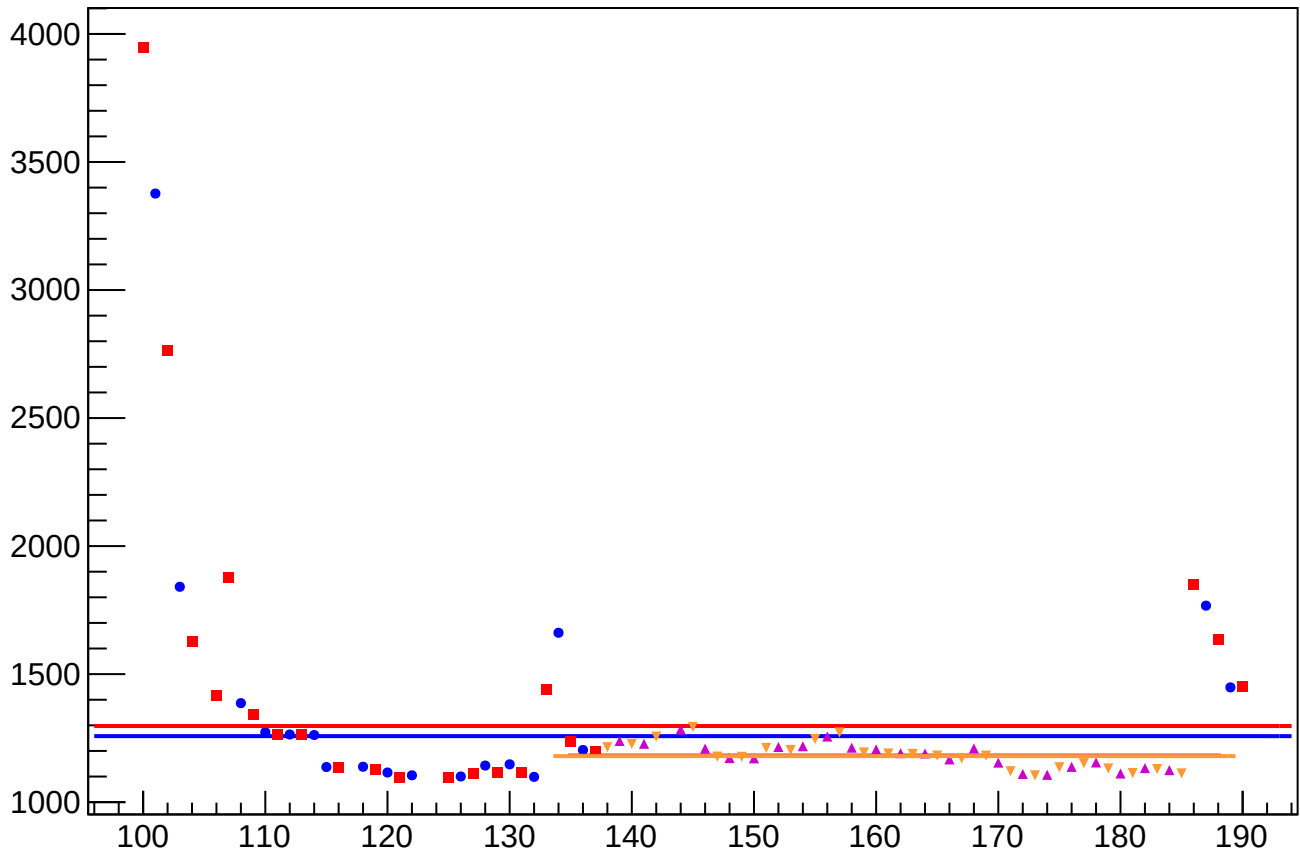
Left In: -50.835+/-276.213 χ^2/NDF :35.0/22

+ sign 509.322+/-235.280 χ^2/NDF : 47.4/41

All: 247.336+/-166.247 χ^2/NDF : 96.6/85

- sign -13.894+/-234.940 χ^2/NDF : 46.7/43

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1257.797 $\pm$ 0.324 χ^2 /NDF: 834979.1/17

Left Out: 1179.713 $\pm$ 0.194 χ^2 /NDF: 64667.7/23

Right Out: 1297.330 $\pm$ 0.316 χ^2 /NDF: 787839.2/20

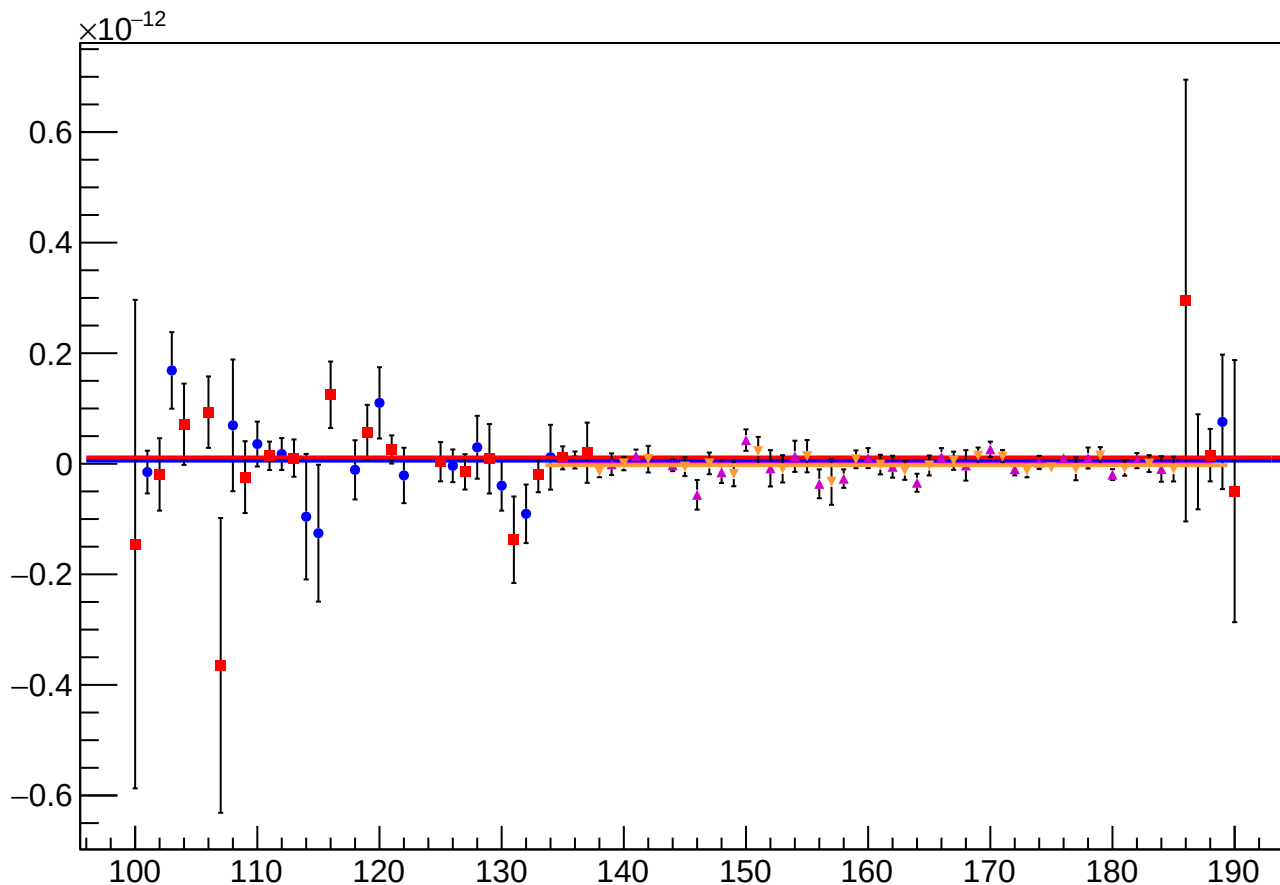
Left In: 1181.929 $\pm$ 0.195 χ^2 /NDF: 60355.9/22

+ sign 1200.248 $\pm$ 0.166 χ^2 /NDF: 942343.5/41

All: 1207.054 $\pm$ 0.118 χ^2 /NDF: 1890417.6/85

- sign 1213.840 $\pm$ 0.166 χ^2 /NDF: 944732.1/43

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 16.7/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 10.5/23

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.6/20

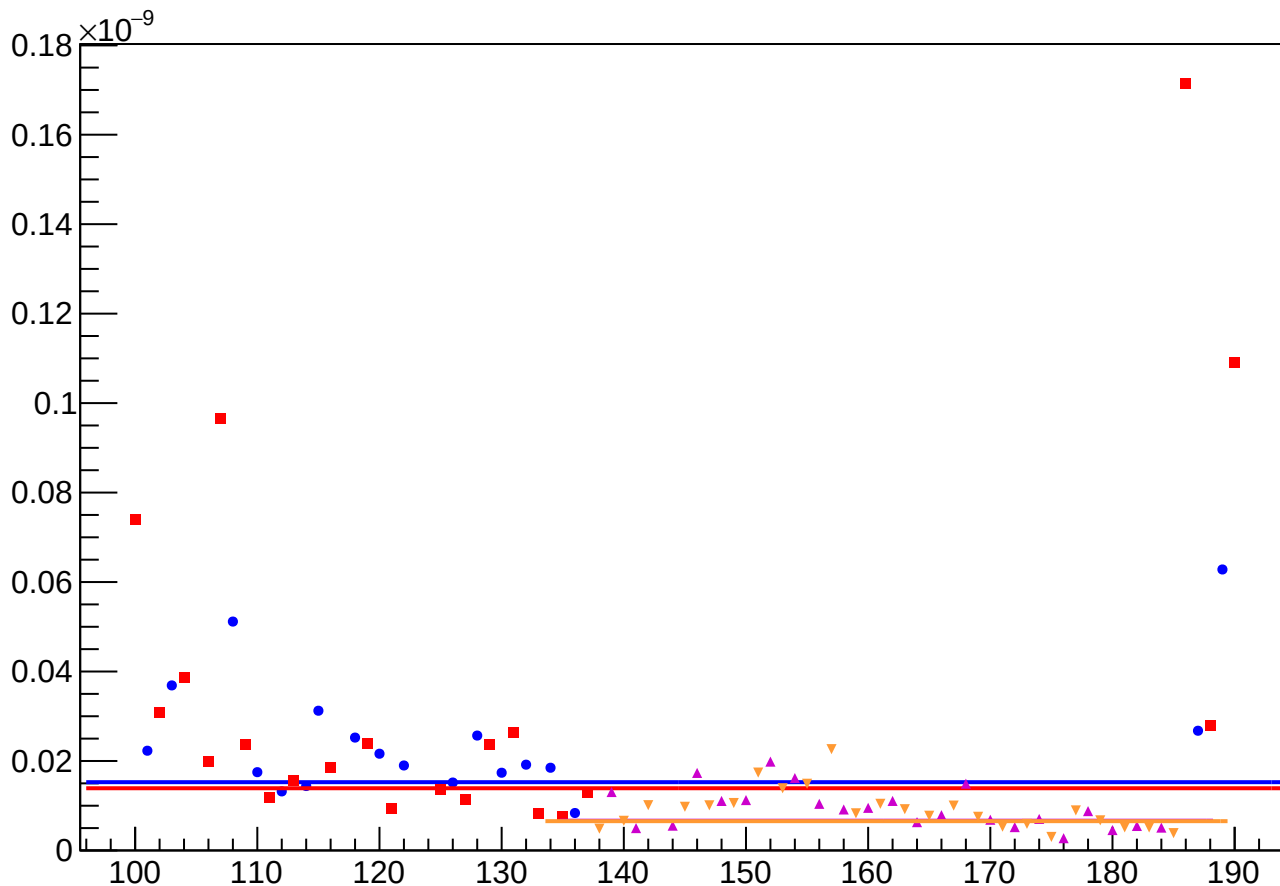
Left In: -0.000 ± 0.000 χ^2/NDF : 32.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 27.9/41

All: -0.000 ± 0.000 χ^2/NDF : 77.9/85

- sign 0.000 ± 0.000 χ^2/NDF : 49.6/43

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 $\chi^2/\text{NDF}: 1426964.5/17$

Left Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 2332749.6/23$

Right Out: 0.000+/-0.000 $\chi^2/\text{NDF}: 2005244.3/20$

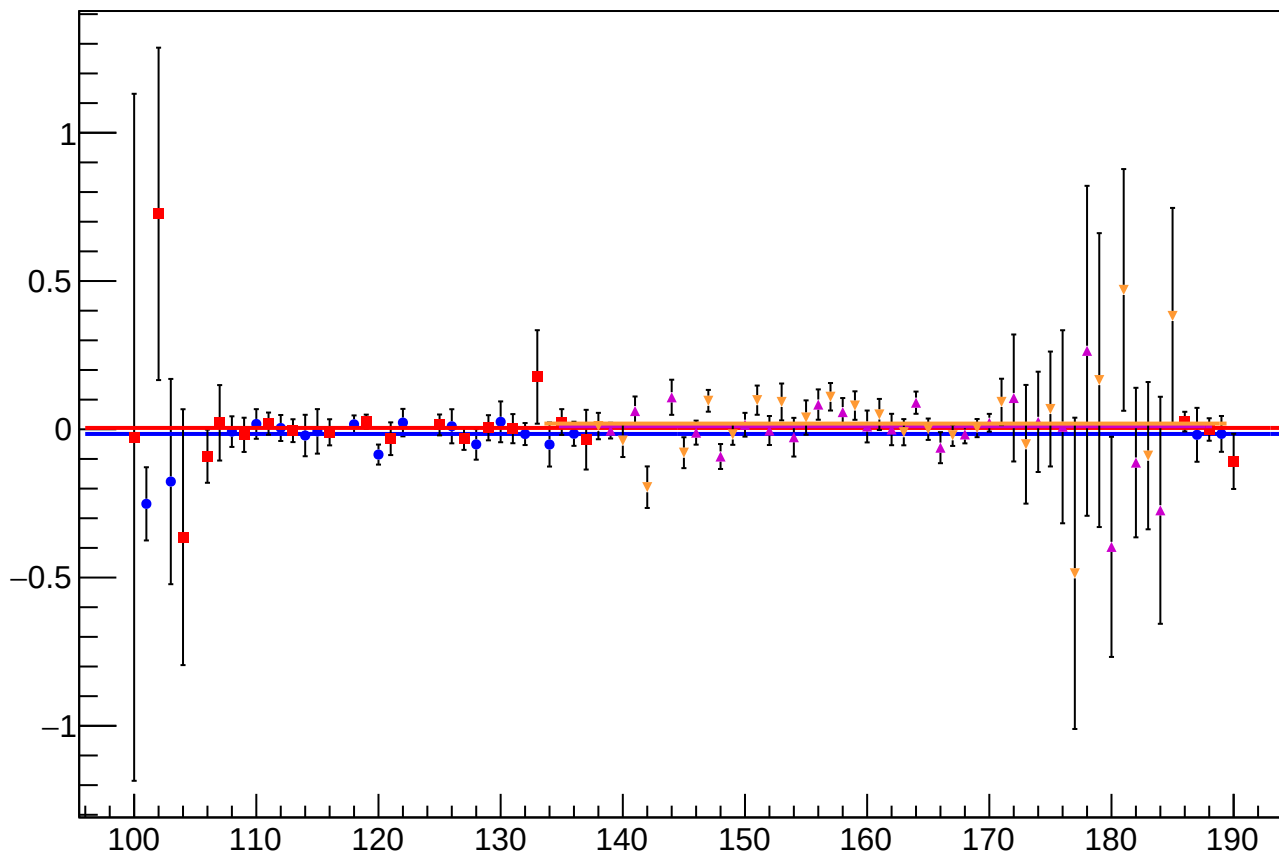
Left In: 0.000+/-0.000 $\chi^2/\text{NDF}: 2542530.1/22$

+ sign 0.000+/-0.000 $\chi^2/\text{NDF}: 5270573.4/41$

All: 0.000+/-0.000 $\chi^2/\text{NDF}: 10941211.7/85$

- sign 0.000+/-0.000 $\chi^2/\text{NDF}: 5670437.5/43$

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/17

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: 0.005 ± 0.010 χ^2/NDF : 9.8/20

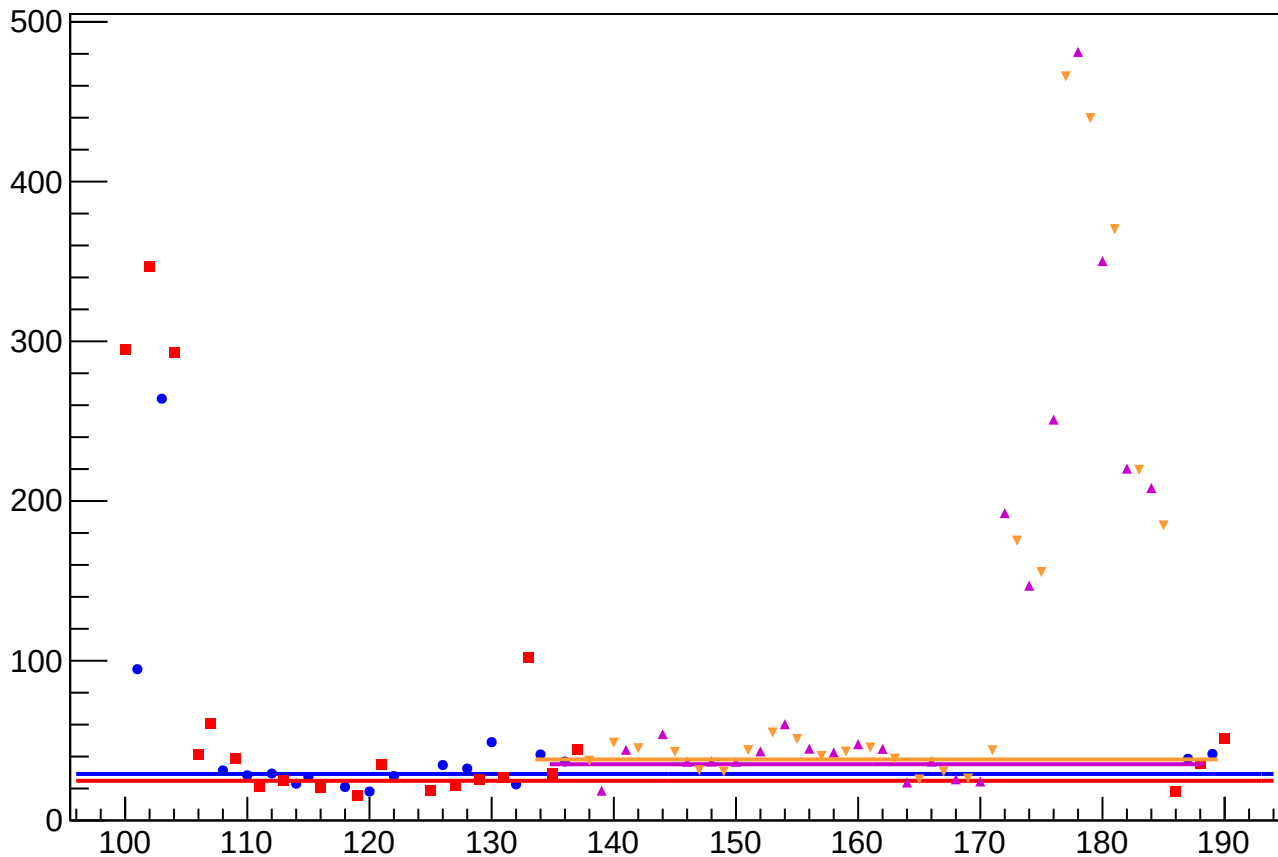
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.004 ± 0.008 χ^2/NDF : 52.5/41

All: 0.006 ± 0.005 χ^2/NDF : 86.2/85

- sign 0.007 ± 0.007 χ^2/NDF : 33.5/43

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.106+/-0.008 χ^2/NDF : 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF : 8285024.8/23

Right Out: 24.830+/-0.007 χ^2/NDF : 3341248.6/20

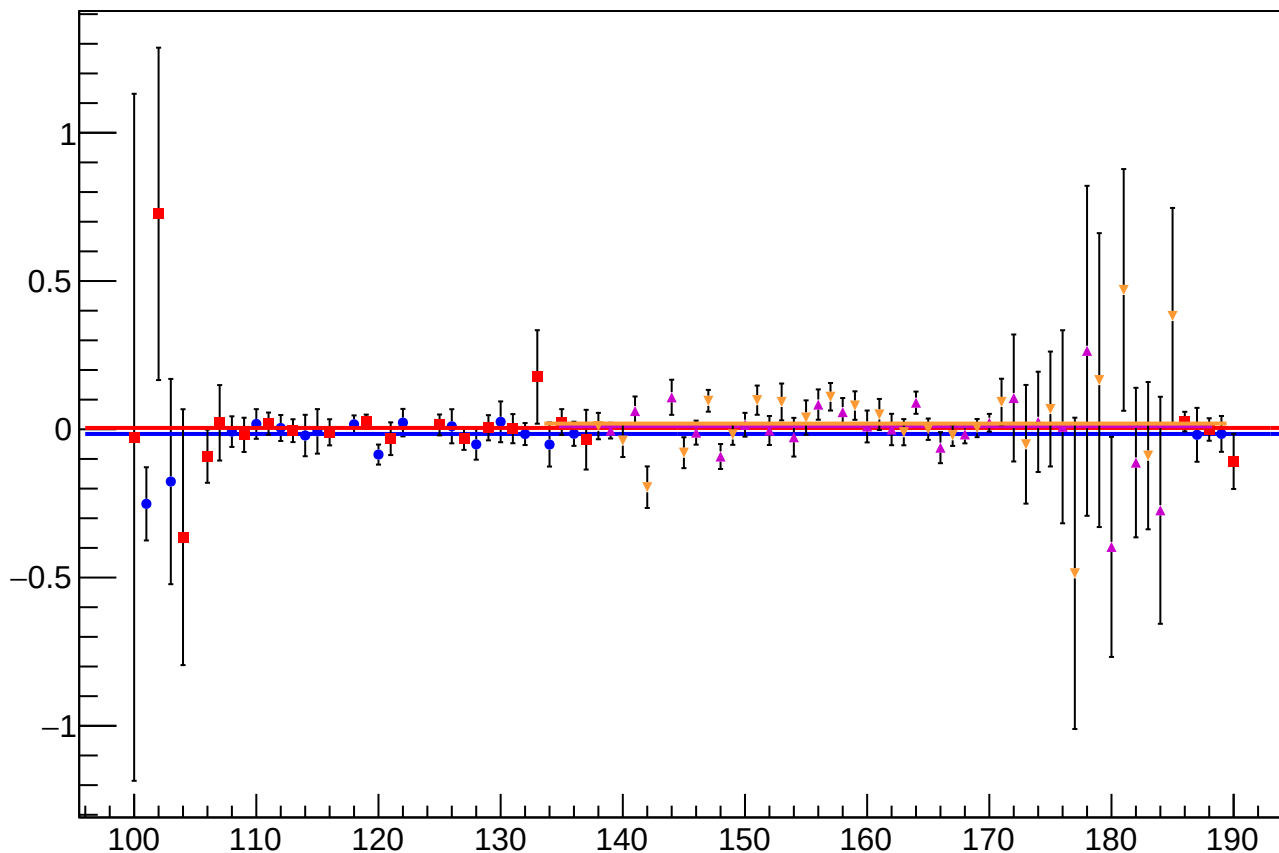
Left In: 35.195+/-0.007 χ^2/NDF : 9390926.6/22

+ sign 34.116+/-0.006 χ^2/NDF : 11283571.9/41

All: 31.887+/-0.004 χ^2/NDF : 25311106.7/85

- sign 30.048+/-0.005 χ^2/NDF : 13745283.6/43

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/17

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: 0.005 ± 0.010 χ^2/NDF : 9.8/20

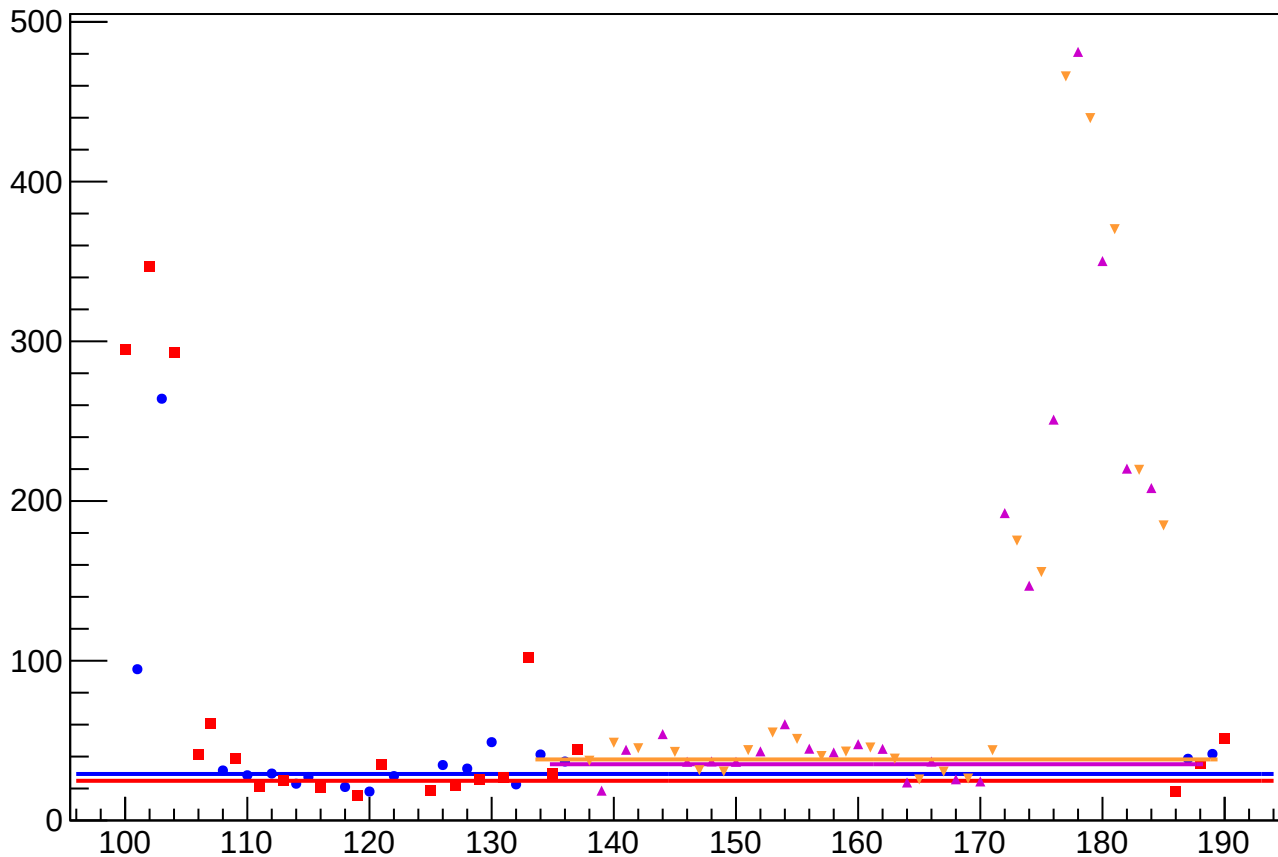
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.004 ± 0.008 χ^2/NDF : 52.5/41

All: 0.006 ± 0.005 χ^2/NDF : 86.2/85

- sign 0.007 ± 0.007 χ^2/NDF : 33.5/43

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.106+/-0.008 χ^2/NDF : 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF : 8285024.8/23

Right Out: 24.830+/-0.007 χ^2/NDF : 3341248.6/20

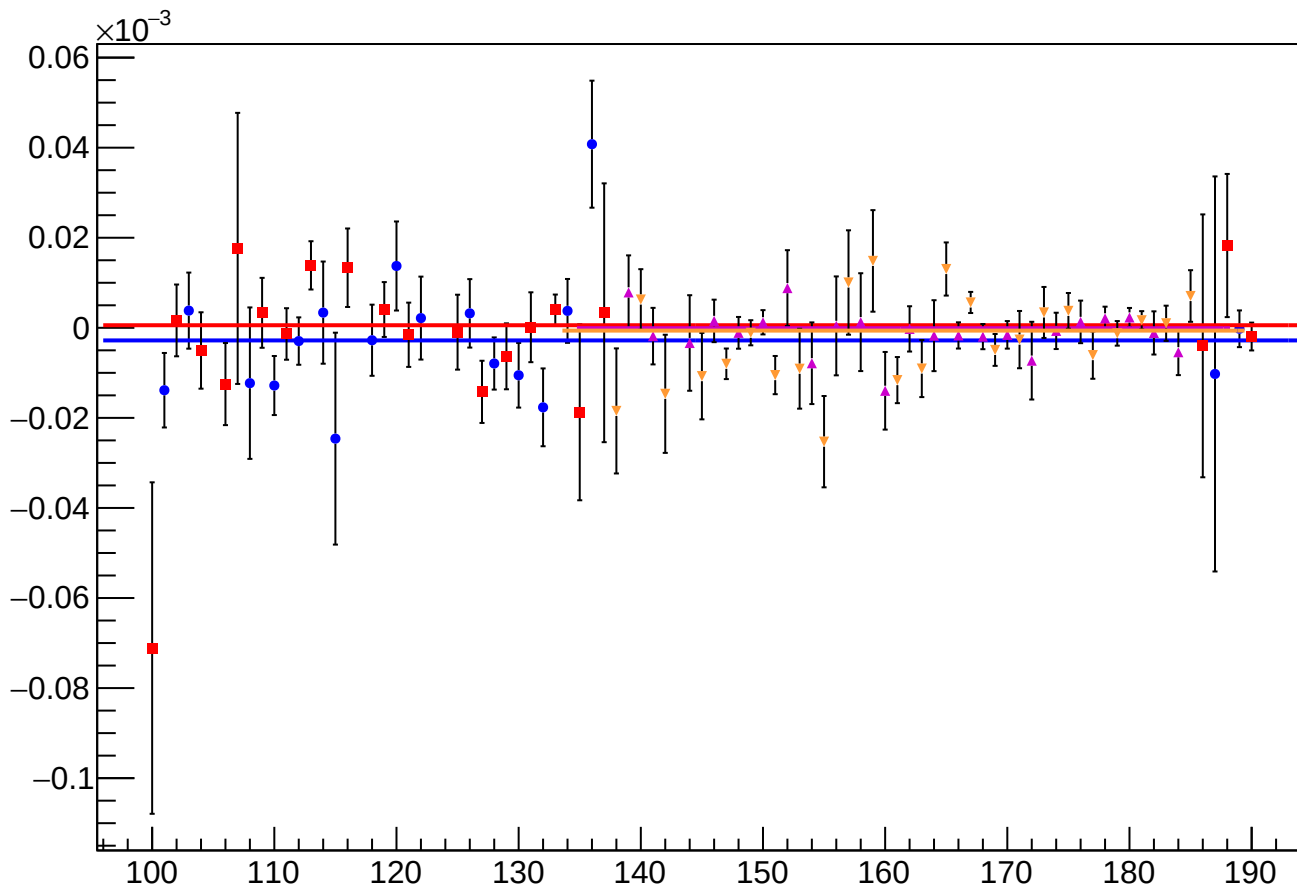
Left In: 35.195+/-0.007 χ^2/NDF : 9390926.6/22

+ sign 34.116+/-0.006 χ^2/NDF : 11283571.9/41

All: 31.887+/-0.004 χ^2/NDF : 25311106.7/85

- sign 30.048+/-0.005 χ^2/NDF : 13745283.6/43

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.7/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 51.2/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 25.0/20

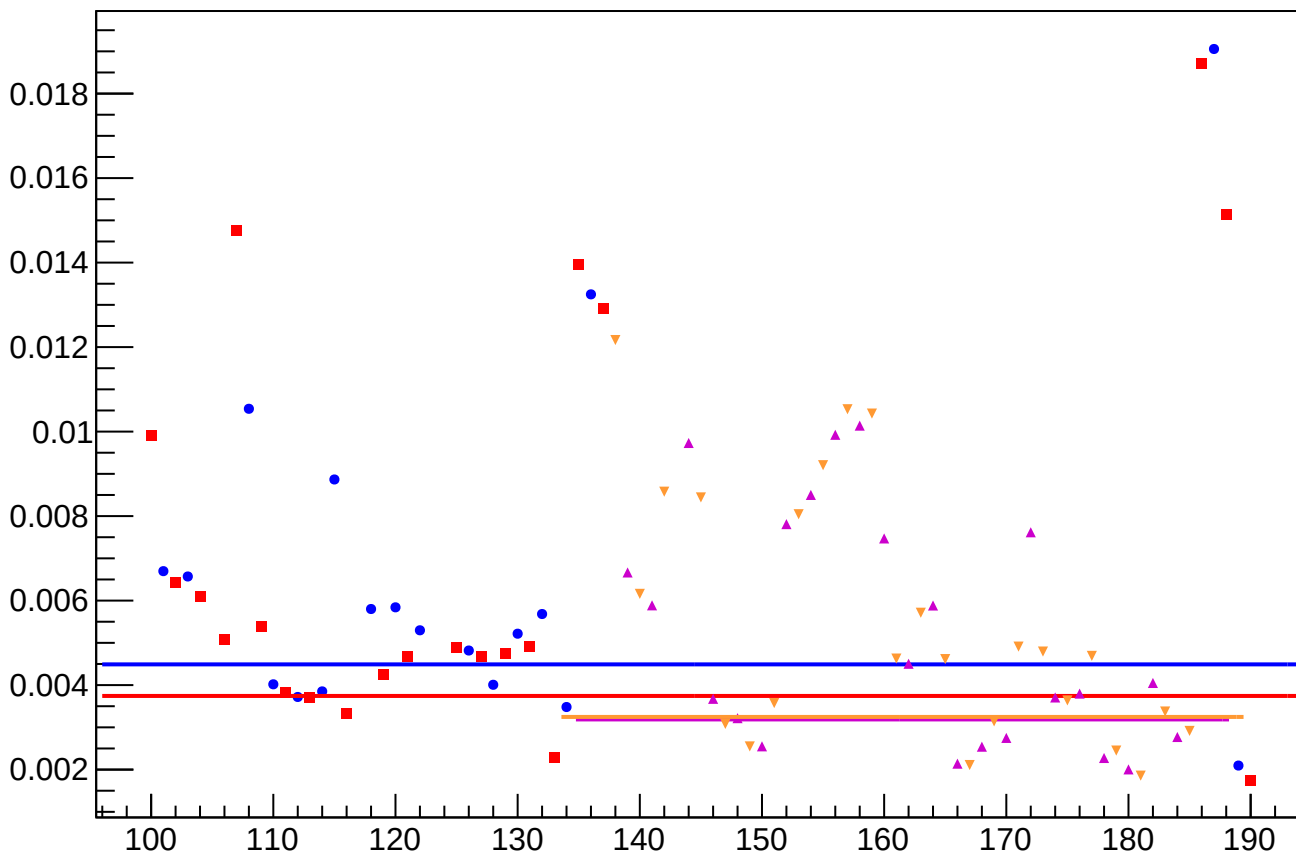
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.0/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 78.0/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 115.2/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.2/43

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 2557718.9/17$

Left Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 7736973.1/23$

Right Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 4563803.5/20$

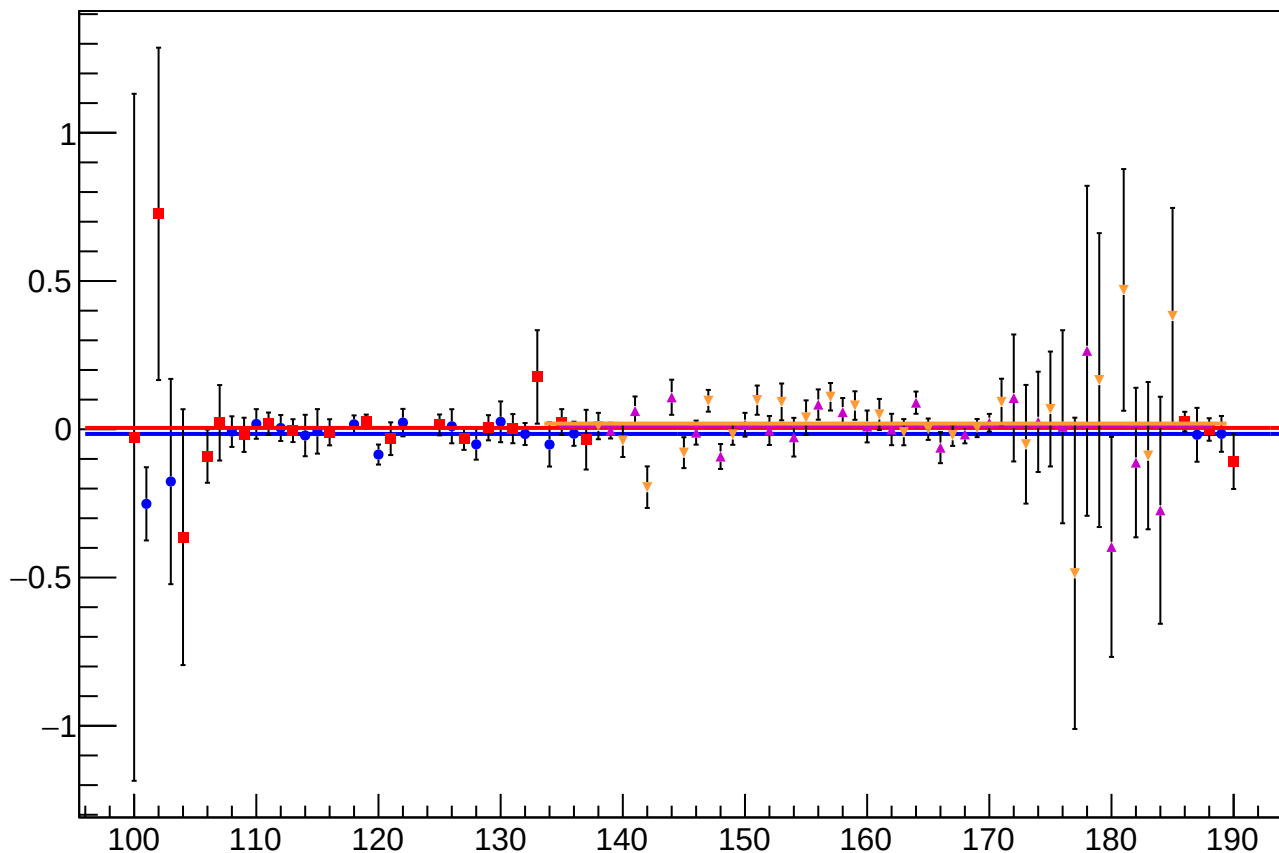
Left In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 7301771.9/22$

+ sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 11062248.5/41$

All: 0.003 ± 0.000 $\chi^2/\text{NDF}: 23177543.3/85$

- sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 12076544.2/43$

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 χ^2/NDF : 11.9/17

Left Out: 0.019 ± 0.011 χ^2/NDF : 35.9/23

Right Out: 0.005 ± 0.010 χ^2/NDF : 9.8/20

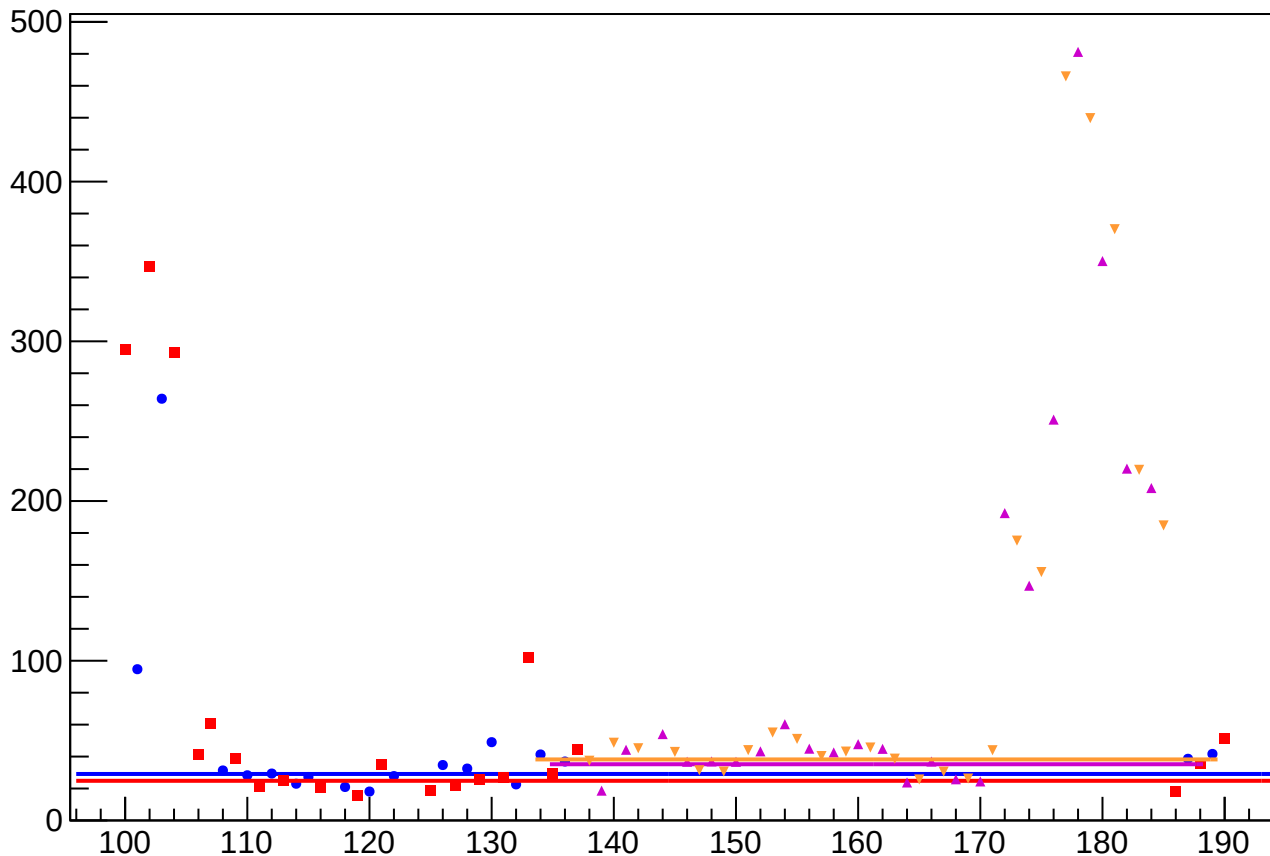
Left In: 0.010 ± 0.010 χ^2/NDF : 23.6/22

+ sign 0.004 ± 0.008 χ^2/NDF : 52.5/41

All: 0.006 ± 0.005 χ^2/NDF : 86.2/85

- sign 0.007 ± 0.007 χ^2/NDF : 33.5/43

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.106+/-0.008 χ^2/NDF : 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF : 8285200.7/23

Right Out: 24.828+/-0.007 χ^2/NDF : 3341490.0/20

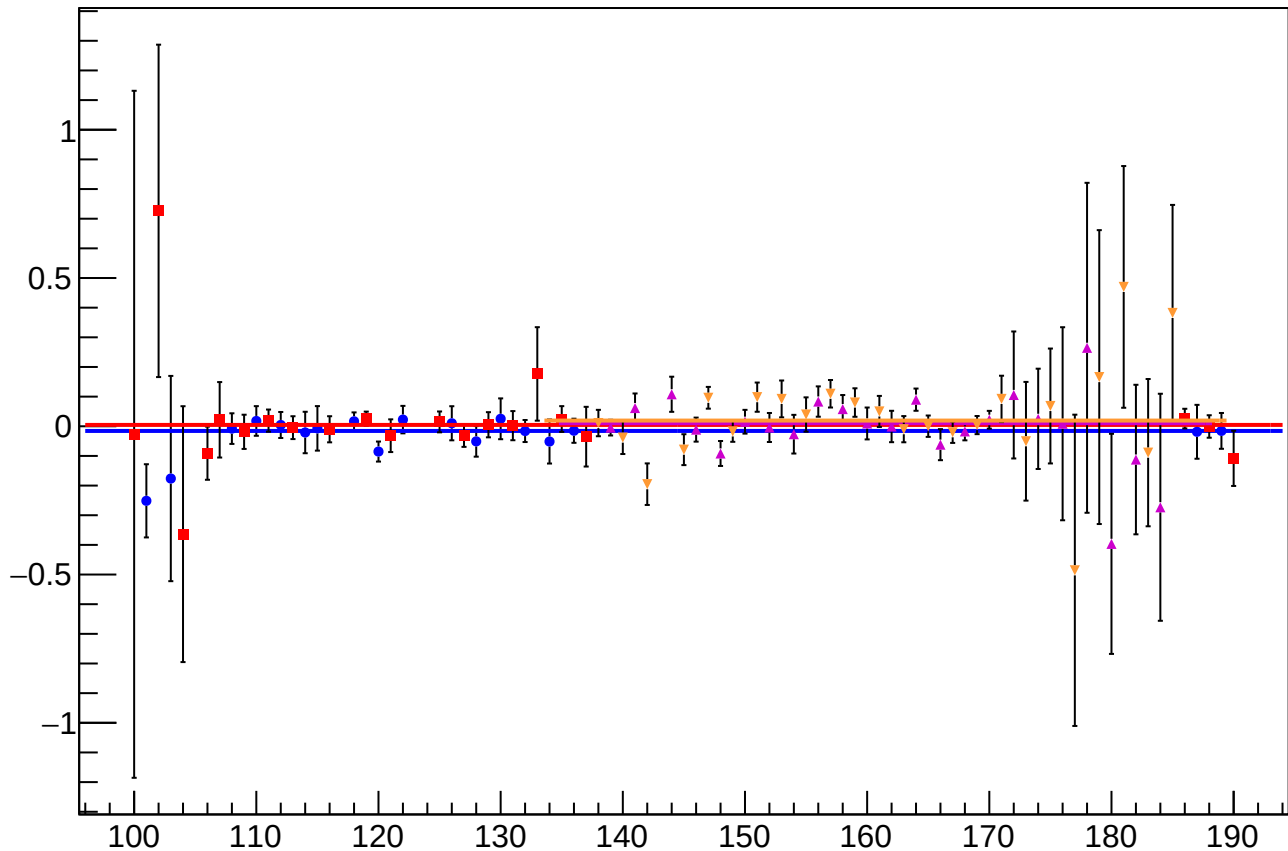
Left In: 35.195+/-0.007 χ^2/NDF : 9391361.4/22

+ sign 34.116+/-0.006 χ^2/NDF : 11283706.8/41

All: 31.886+/-0.004 χ^2/NDF : 25312499.4/85

- sign 30.046+/-0.005 χ^2/NDF : 13746363.1/43

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.012 $\chi^2/\text{NDF}: 11.9/17$

Left Out: 0.019 ± 0.011 $\chi^2/\text{NDF}: 35.9/23$

Right Out: 0.005 ± 0.010 $\chi^2/\text{NDF}: 9.8/20$

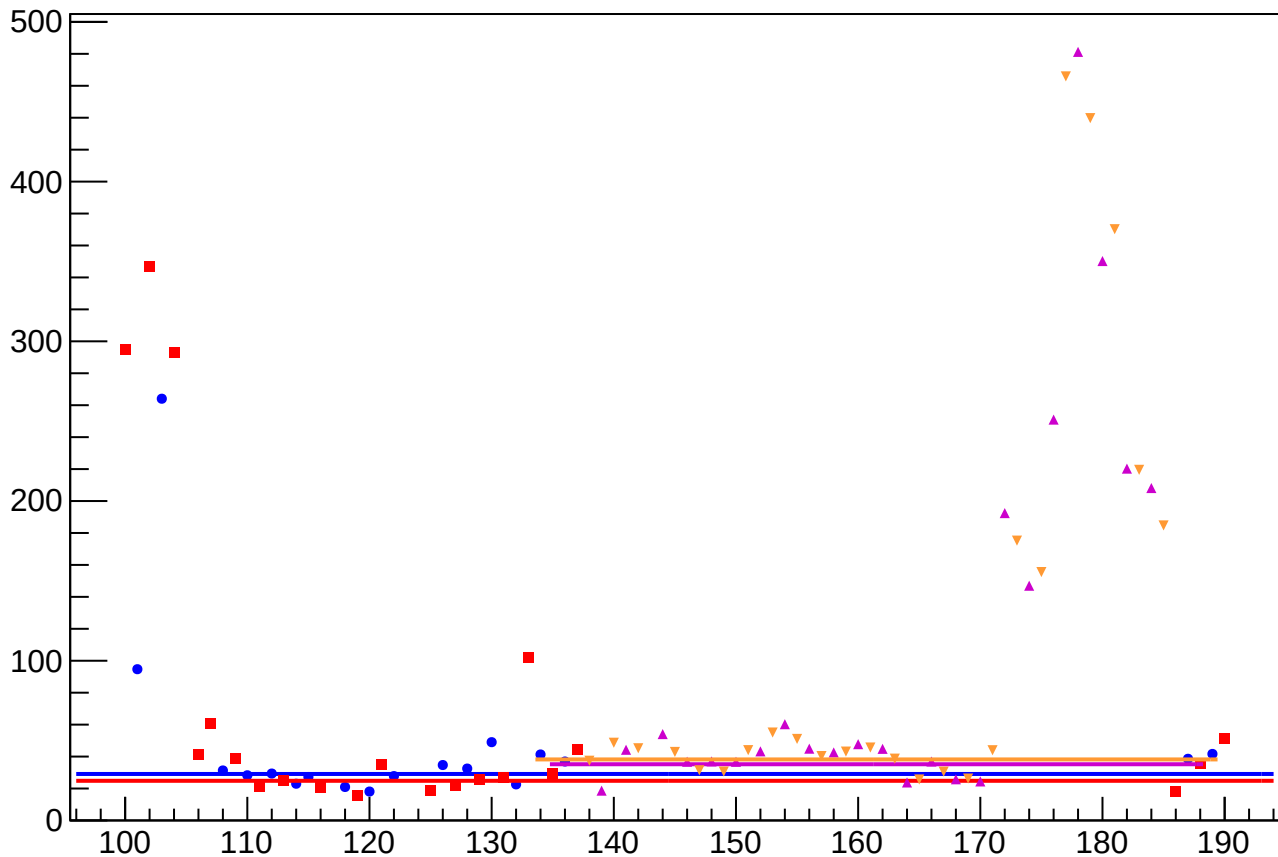
Left In: 0.010 ± 0.010 $\chi^2/\text{NDF}: 23.6/22$

+ sign 0.004 ± 0.008 $\chi^2/\text{NDF}: 52.5/41$

All: 0.006 ± 0.005 $\chi^2/\text{NDF}: 86.2/85$

- sign 0.007 ± 0.007 $\chi^2/\text{NDF}: 33.5/43$

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.106+/-0.008 χ^2/NDF : 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF : 8285200.7/23

Right Out: 24.828+/-0.007 χ^2/NDF : 3341490.0/20

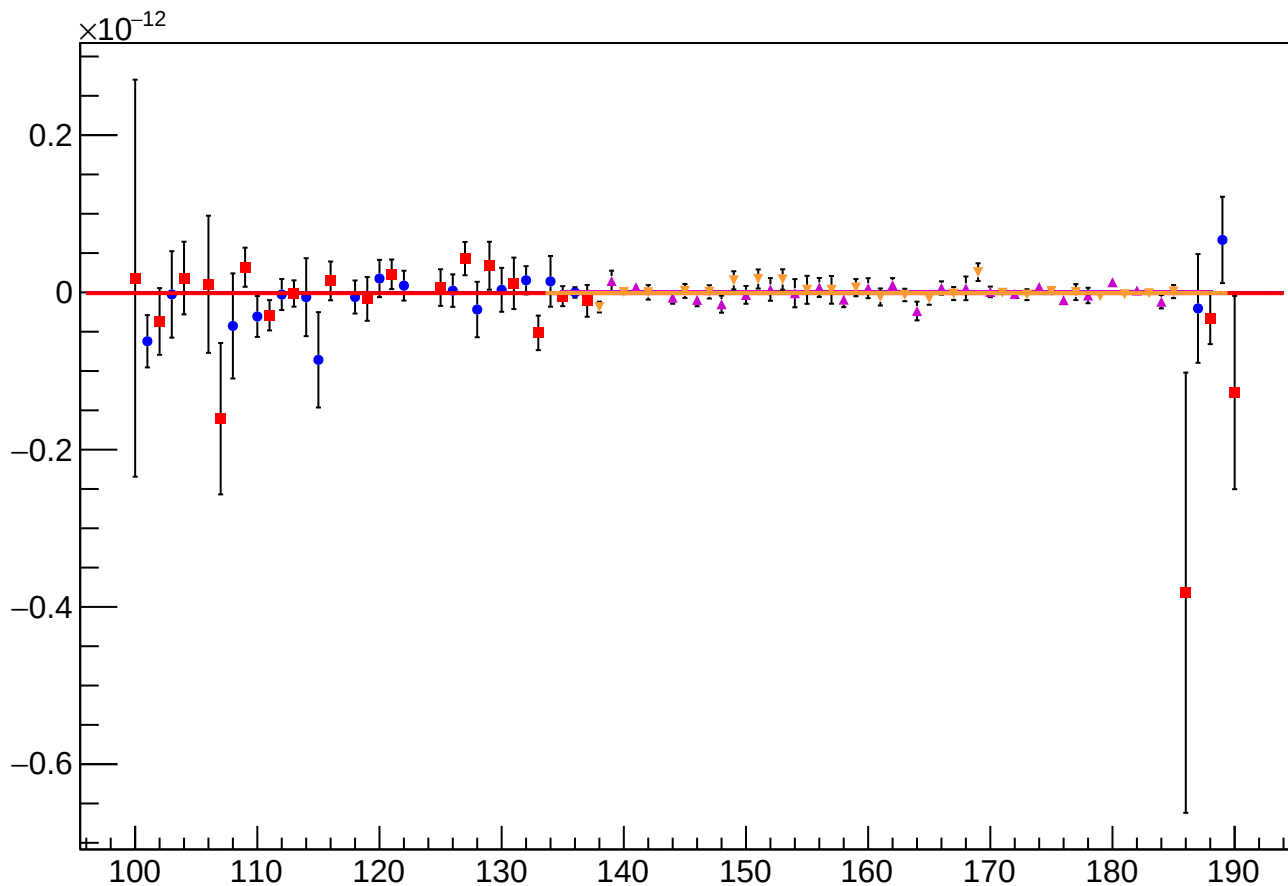
Left In: 35.195+/-0.007 χ^2/NDF : 9391361.4/22

+ sign 34.116+/-0.006 χ^2/NDF : 11283706.8/41

All: 31.886+/-0.004 χ^2/NDF : 25312499.4/85

- sign 30.046+/-0.005 χ^2/NDF : 13746363.1/43

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.0/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:21.1/23

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 25.0/20

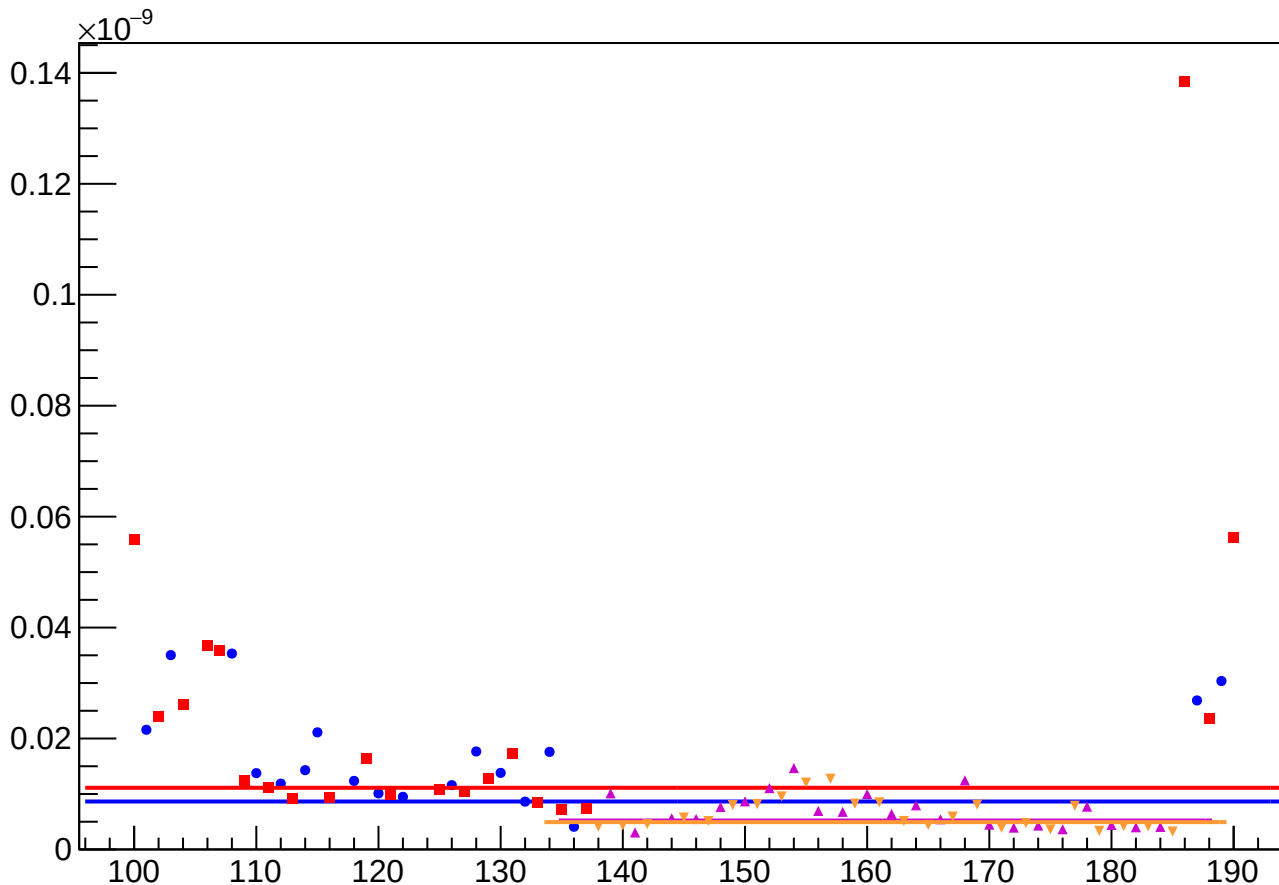
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:26.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 32.1/41

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 83.7/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 51.3/43

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3167538.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2632036.7/23

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2221991.6/20

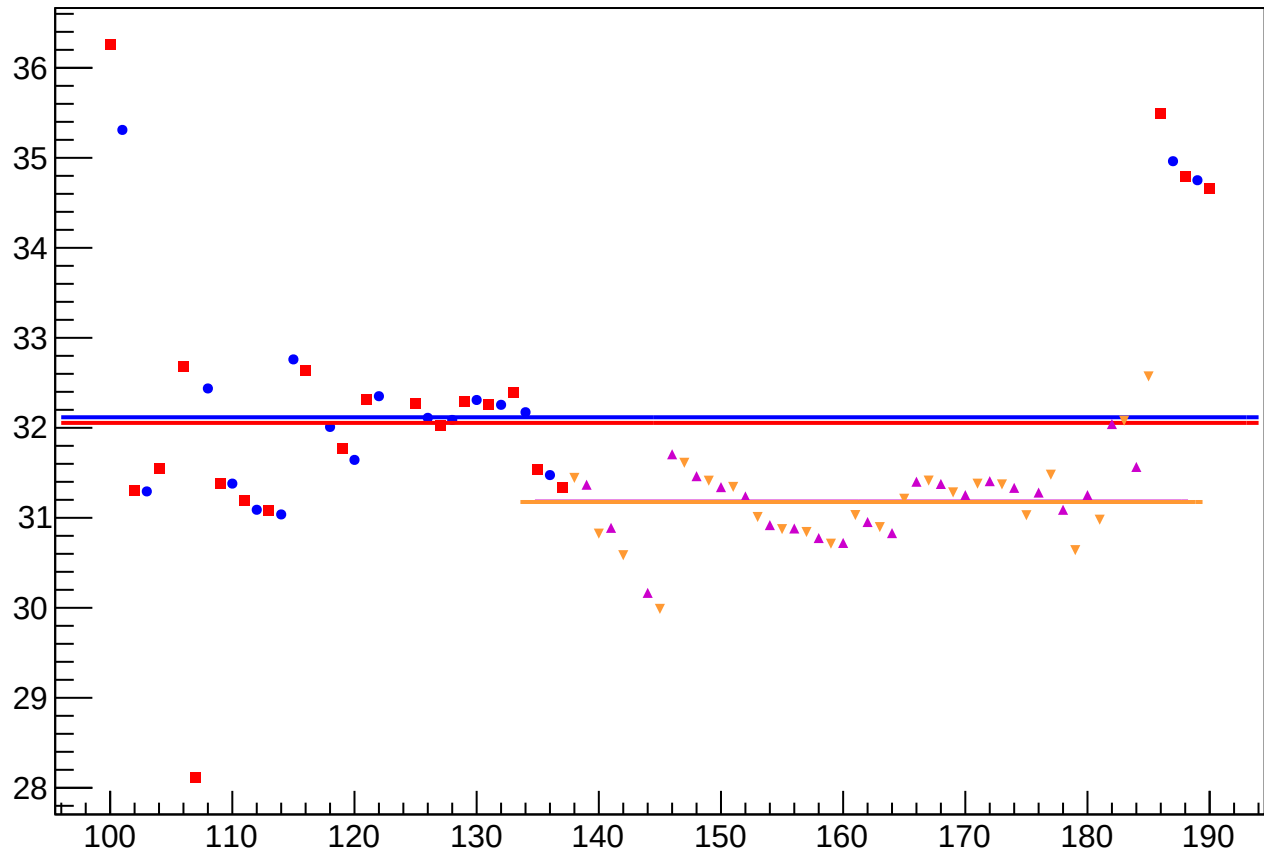
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3449719.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6903095.3/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 14737393.2/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7766366.2/43

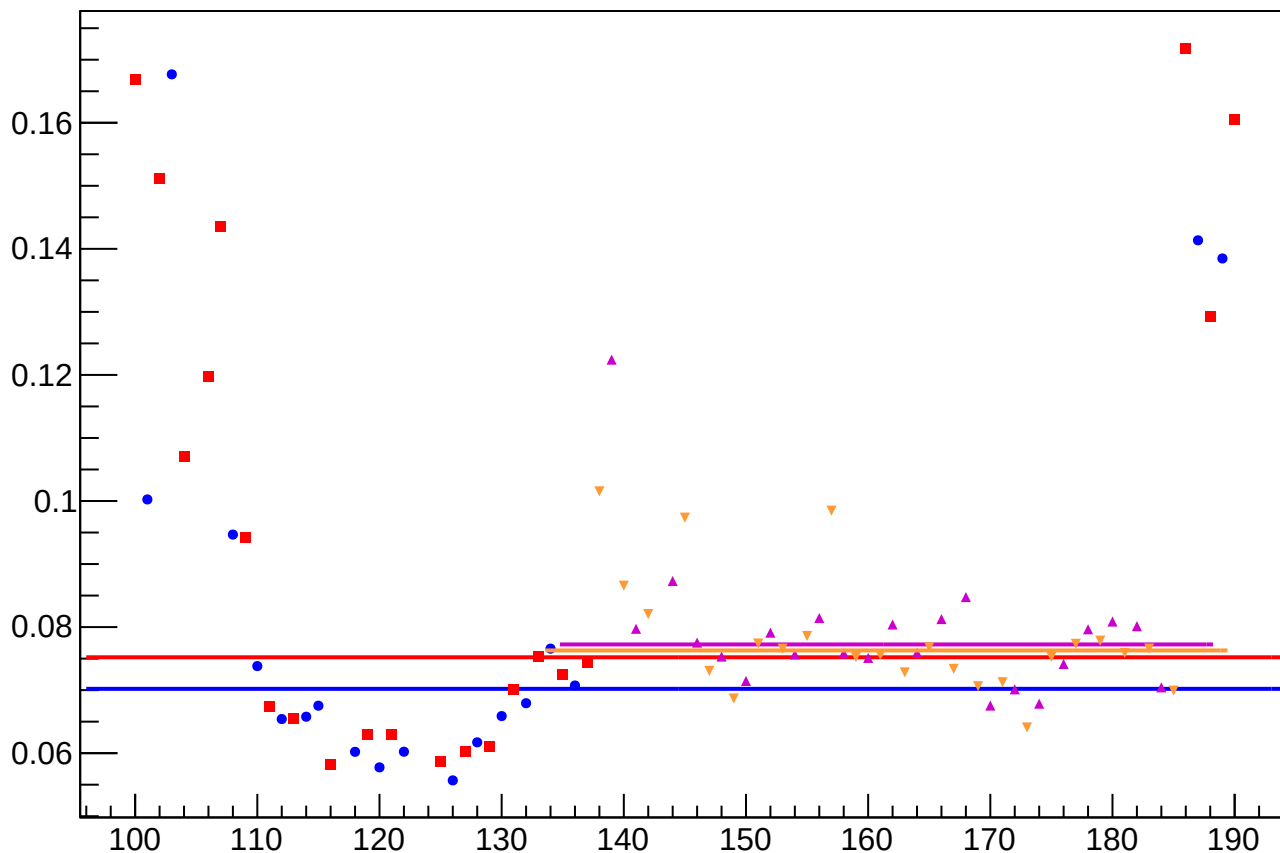
yield_usl_mean vs Slug



Right In: 32.117 ± 0.000 $\chi^2/NDF: 1158409623.7/17$
 Left Out: 31.176 ± 0.000 $\chi^2/NDF: 529824418.6/23$
 Right Out: 32.055 ± 0.000 $\chi^2/NDF: 1200863028.5/20$
 Left In: 31.181 ± 0.000 $\chi^2/NDF: 376263410.1/22$

+ sign 31.480 ± 0.000 $\chi^2/NDF: 2512137722.4/41$
 All: 31.472 ± 0.000 $\chi^2/NDF: 4773975285.2/8$
 - sign 31.463 ± 0.000 $\chi^2/NDF: 2261273355.1/43$

yield_usl_rms vs Slug



Right In: 0.070 $\pm$ 0.000 χ^2 /NDF: 1045528.0/17

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:356697.3/23

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 1682976.6/20

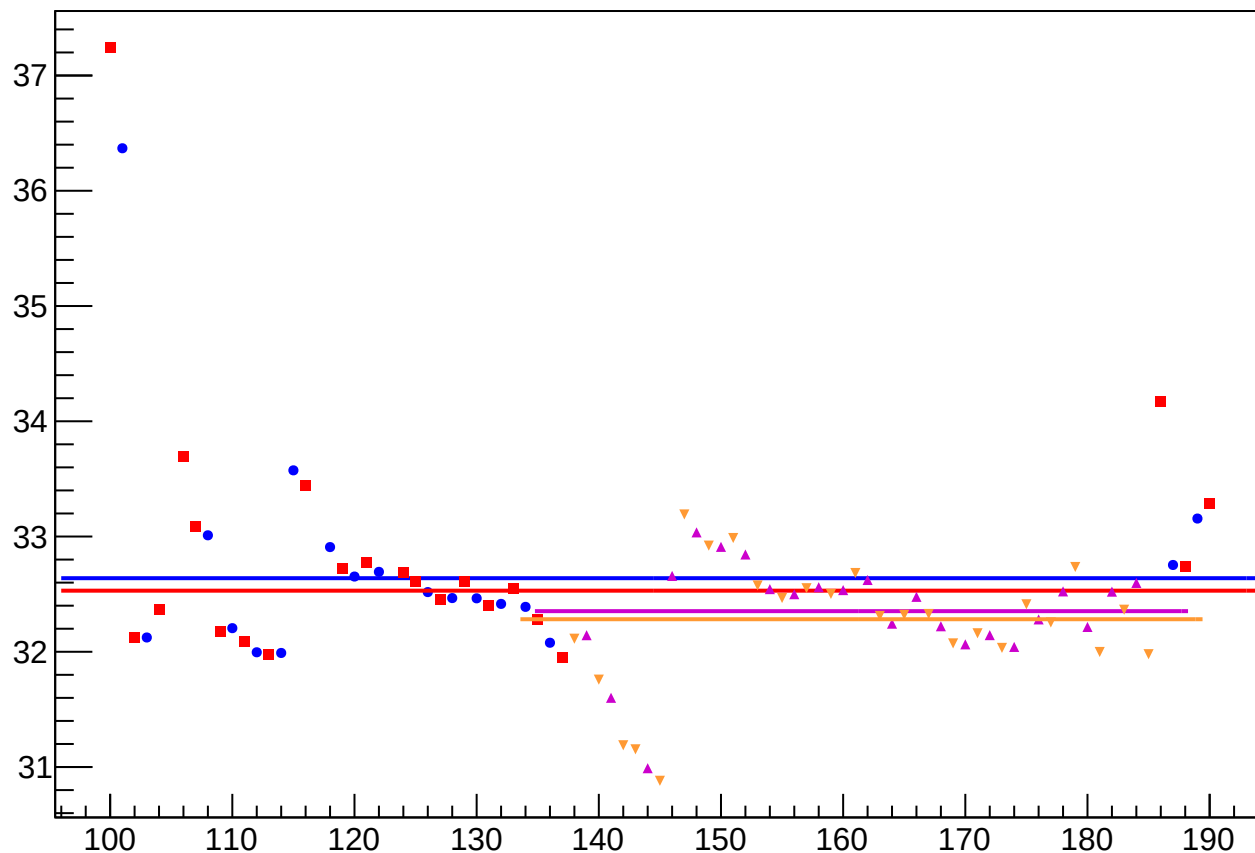
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:365206.5/22

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 1471173.7/41

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 3548074.6/85

- sign 0.077 $\pm$ 0.000 χ^2 /NDF: 2055614.5/43

yield_usr_mean vs Slug



Right In: 32.638 $\pm$ 0.000 χ^2 /NDF: 744771316.2/17

Left Out: 32.282 $\pm$ 0.000 χ^2 /NDF: 838959313.2/24

Right Out: 32.530 $\pm$ 0.000 χ^2 /NDF: 216829865.7/21

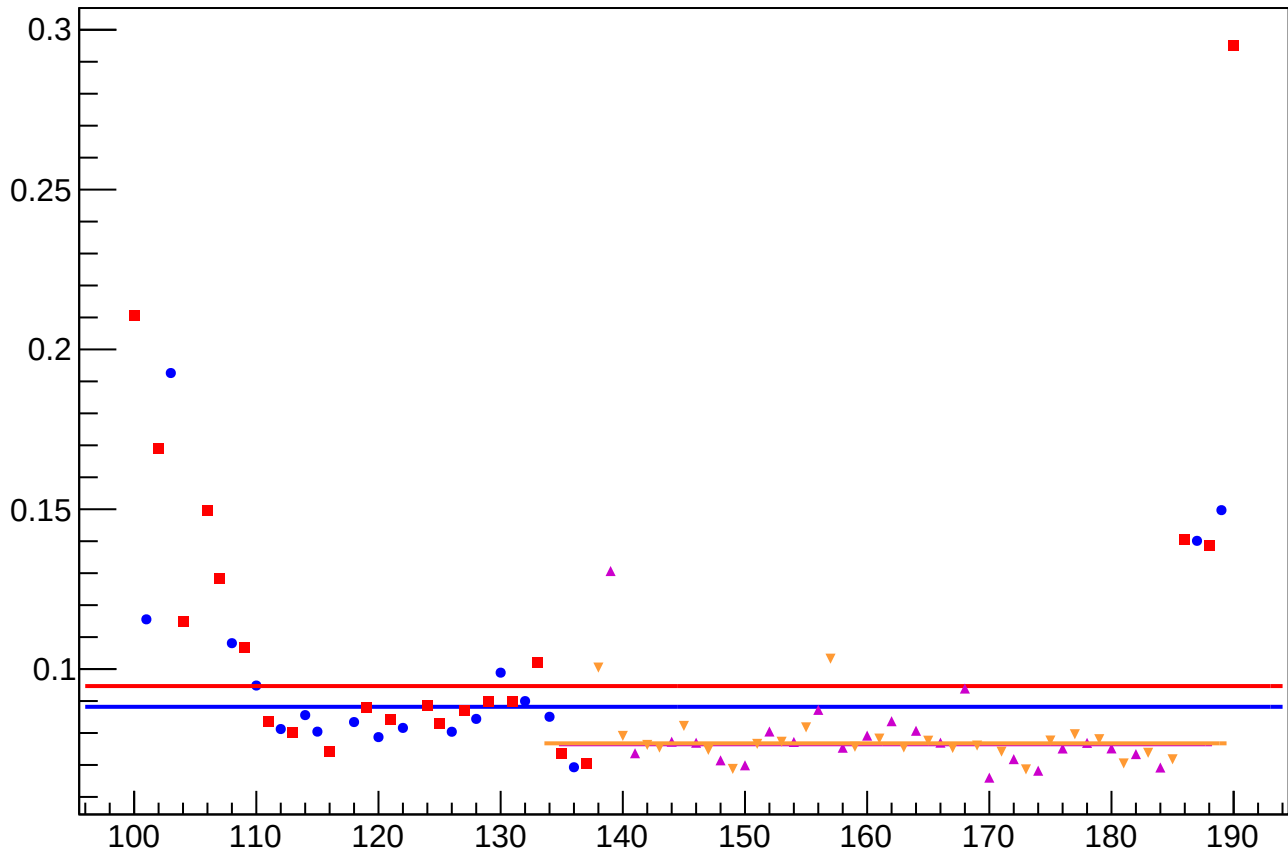
Left In: 32.353 $\pm$ 0.000 χ^2 /NDF: 589893462.0/22

+ sign 32.363 $\pm$ 0.000 χ^2 /NDF: 1669479347.9/42

All: 32.378 $\pm$ 0.000 χ^2 /NDF: 2498972399.5/8

- sign 32.393 $\pm$ 0.000 χ^2 /NDF: 827684486.8/44

yield_usr_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 803415.8/17

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:250795.7/24

Right Out: 0.095 $\pm$ 0.000 χ^2 /NDF: 1214391.0/21

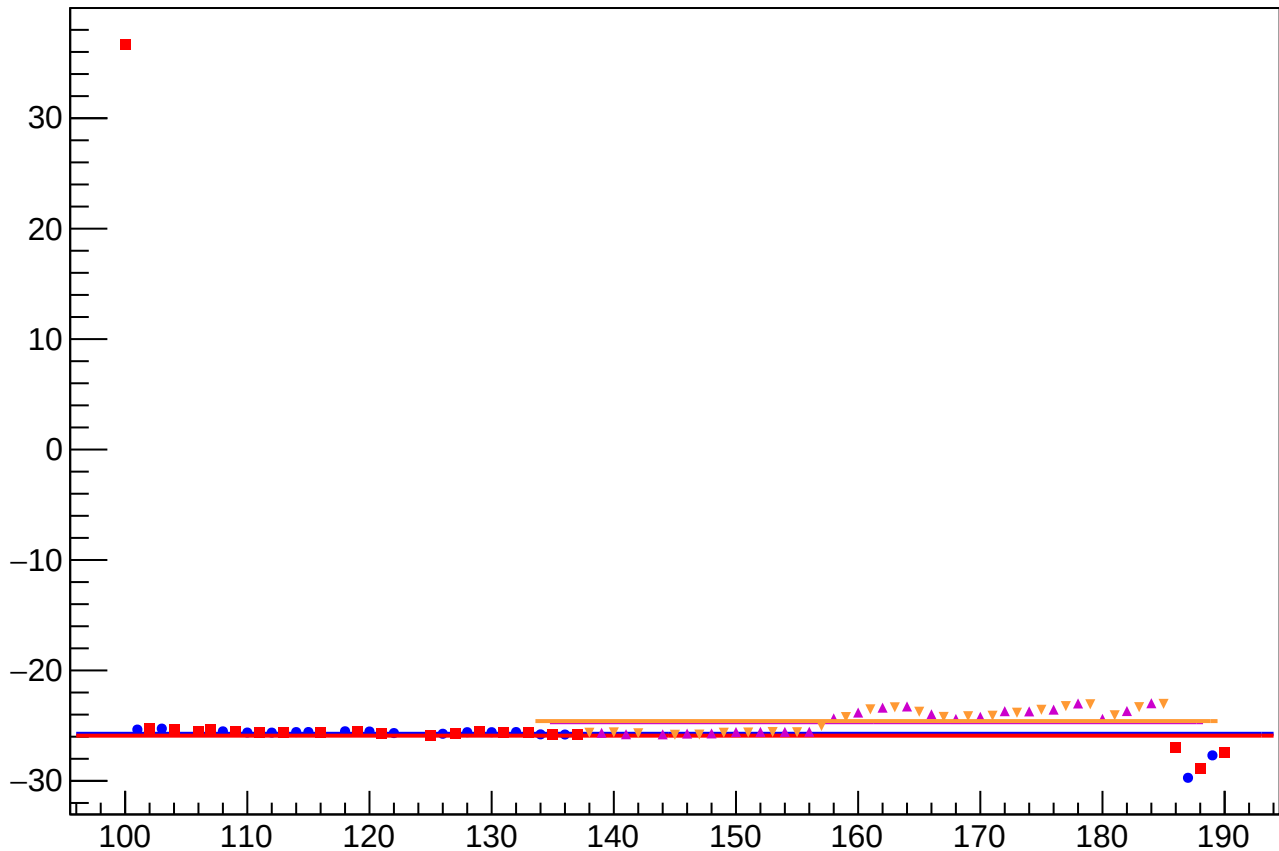
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:482593.3/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 1230781.9/42

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 3374876.4/87

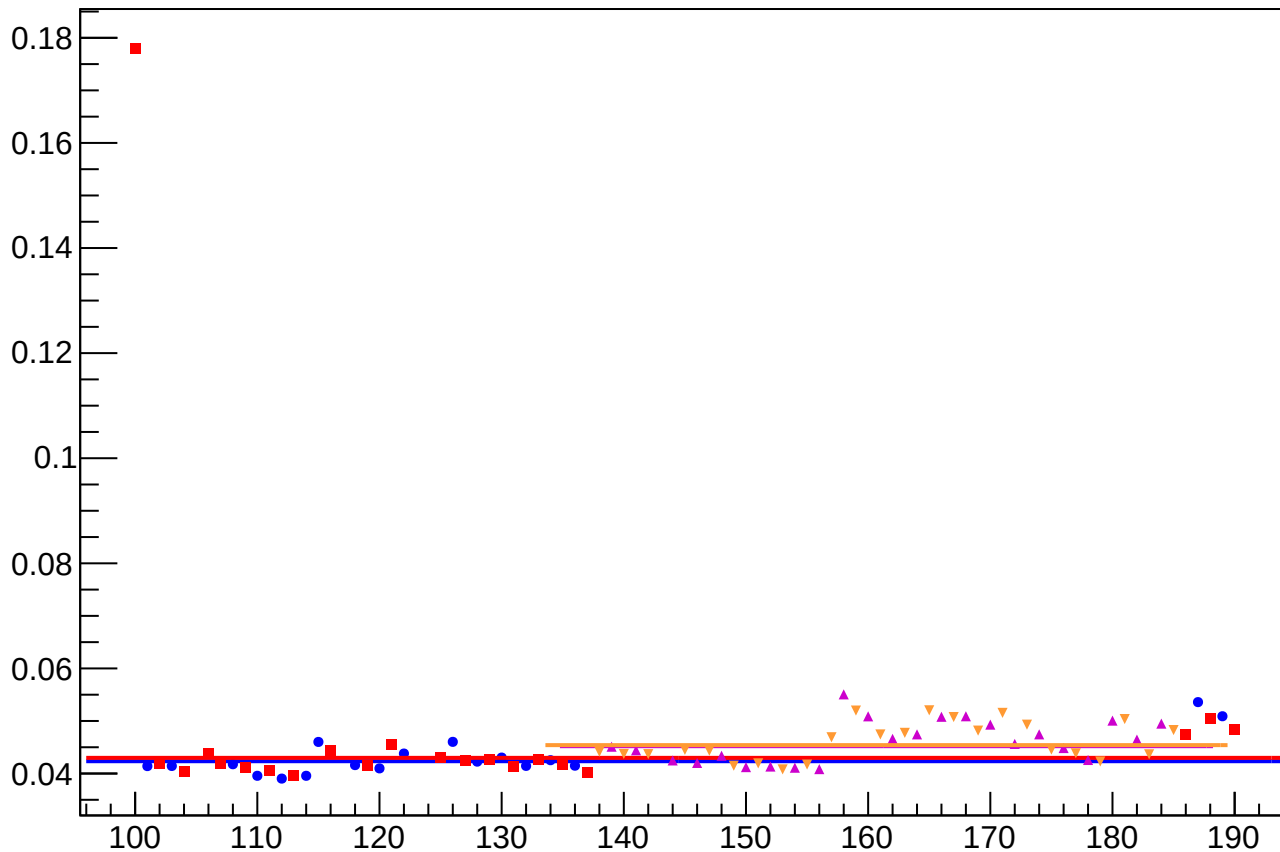
- sign 0.081 $\pm$ 0.000 χ^2 /NDF: 2137418.5/44

yield_dsl_mean vs Slug



Right In: -25.737 +/- 0.000 χ^2/NDF : 1995035888.2/17
 Left Out: -24.587 +/- 0.000 χ^2/NDF : 9182387434.6/23
 Right Out: -25.906 +/- 0.000 χ^2/NDF : 13171125040.1/20
 Left In: -24.689 +/- 0.000 χ^2/NDF : 8820957974.3/22
 All: -25.048 +/- 0.000 χ^2/NDF : 41766797202.3

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 69408.4/17

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:205535.7/23

Right Out: 0.043 $\pm$ 0.000 χ^2 /NDF: 166648.5/20

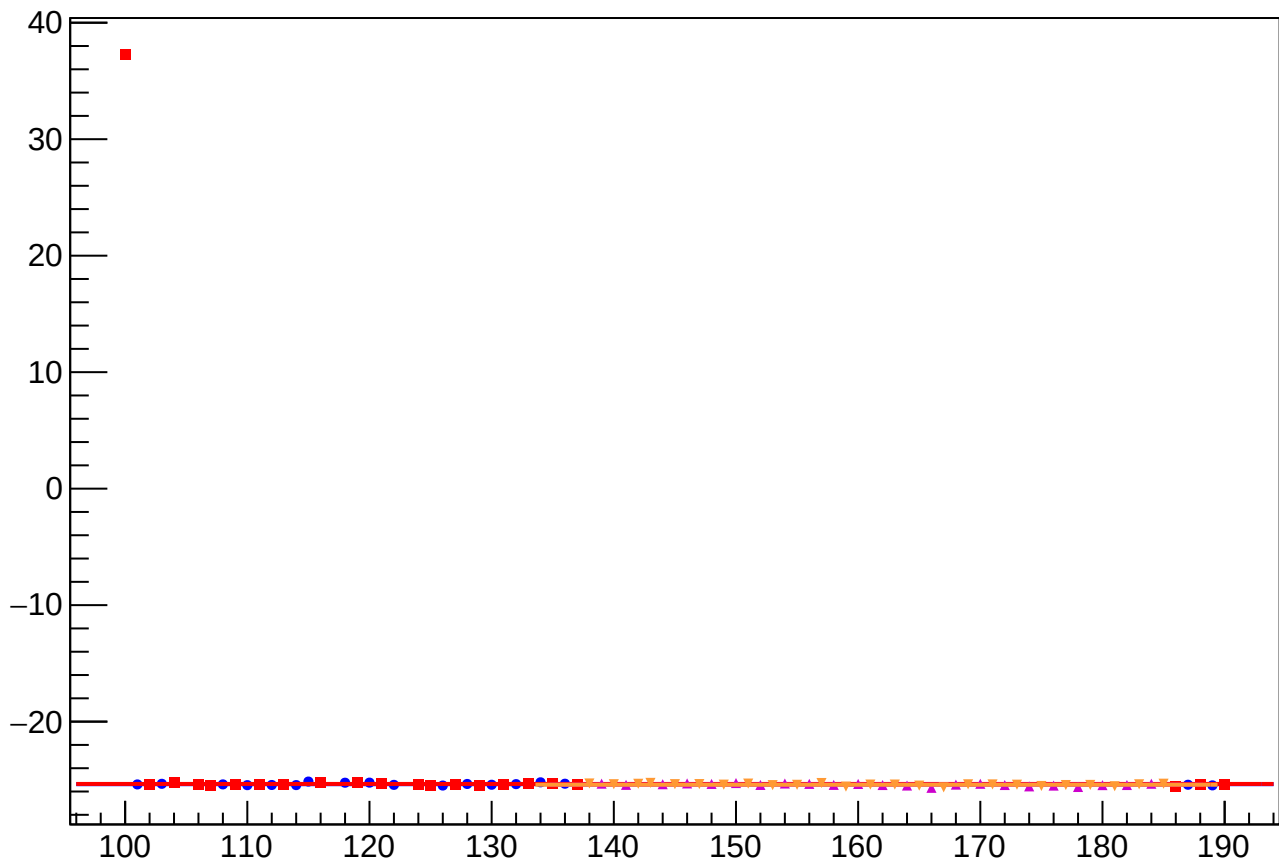
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:244675.5/22

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 329578.0/41

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 771505.6/85

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 441913.5/43

yield_dsr_mean vs Slug



Right In: -25.373+/-0.000 χ^2/NDF : 16083627.2/17

Left Out: -25.417+/-0.000 χ^2/NDF : 52213098.9/24

Right Out: -25.350+/-0.000 χ^2/NDF : 6324721422.7/21

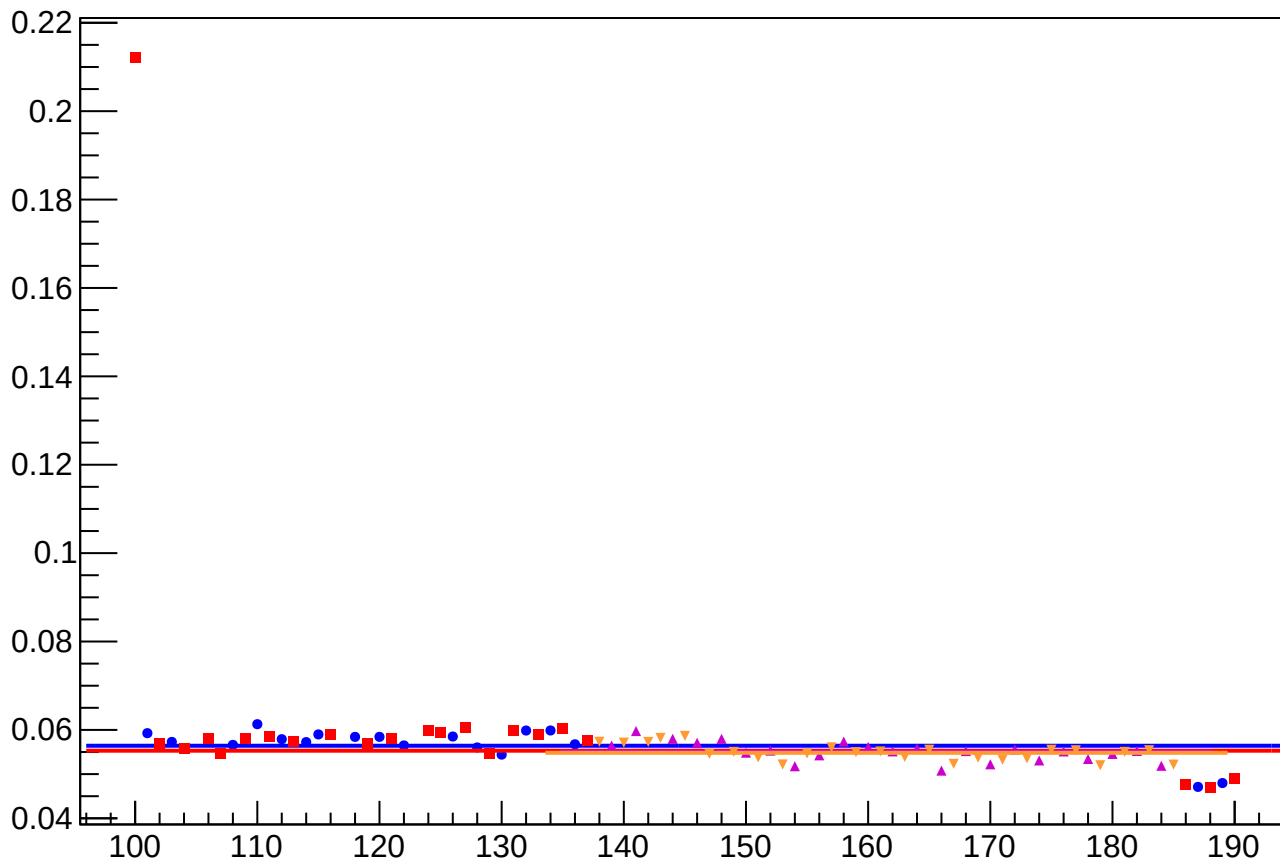
Left In: -25.414+/-0.000 χ^2/NDF : 55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF : 71642183.2/42

All: -25.399+/-0.000 χ^2/NDF : 6460690241.8/

- sign -25.393+/-0.000 χ^2/NDF : 6388471876.8/44

yield_dsr_rms vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 65447.1/17

Left Out: 0.055+/-0.000 χ^2/NDF : 38095.1/24

Right Out: 0.055+/-0.000 χ^2/NDF : 211216.5/21

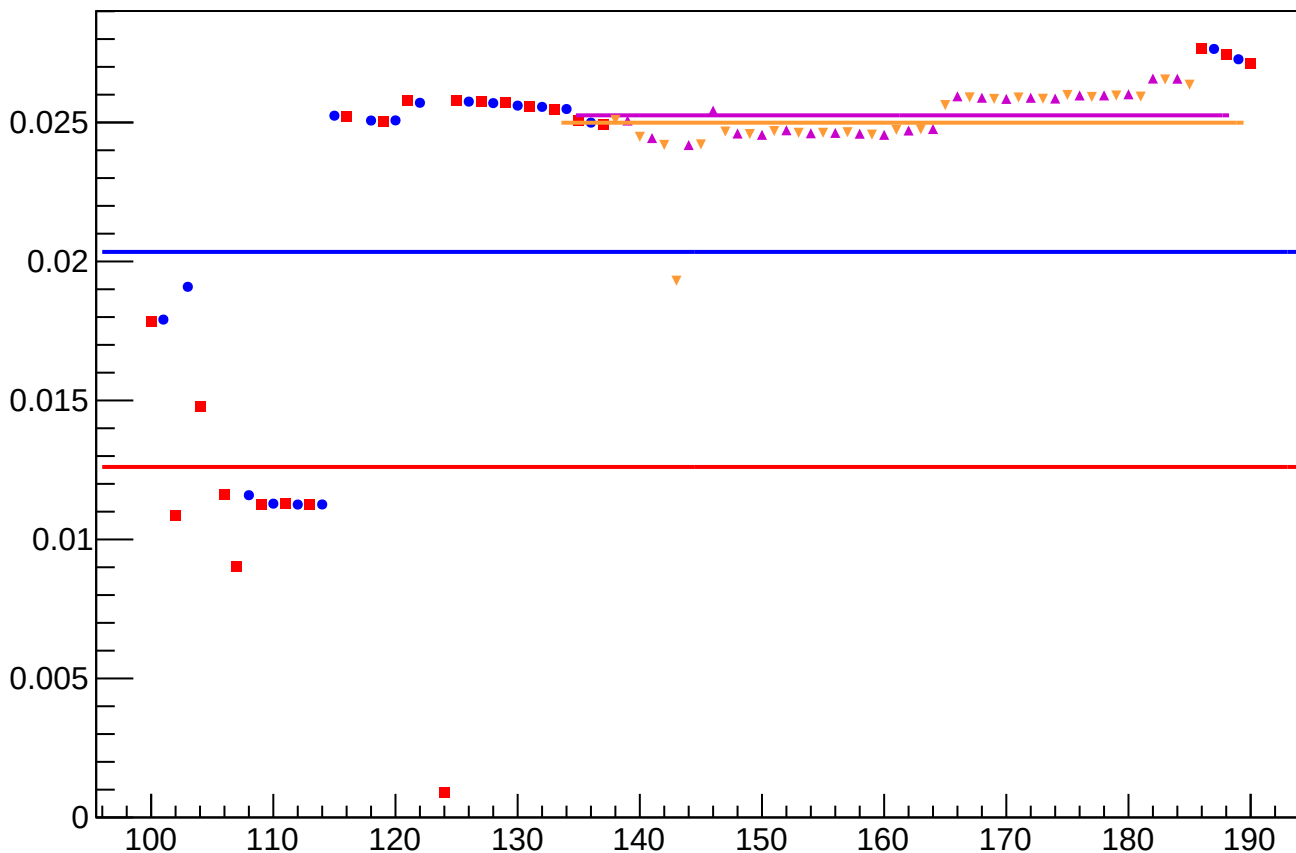
Left In: 0.055+/-0.000 χ^2/NDF : 51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF : 112376.5/42

All: 0.055+/-0.000 χ^2/NDF : 375339.4/87

- sign 0.055+/-0.000 χ^2/NDF : 262885.0/44

yield_atl1_mean vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 67216650235.6/17

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7880064969.5/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 300876652225.6/21

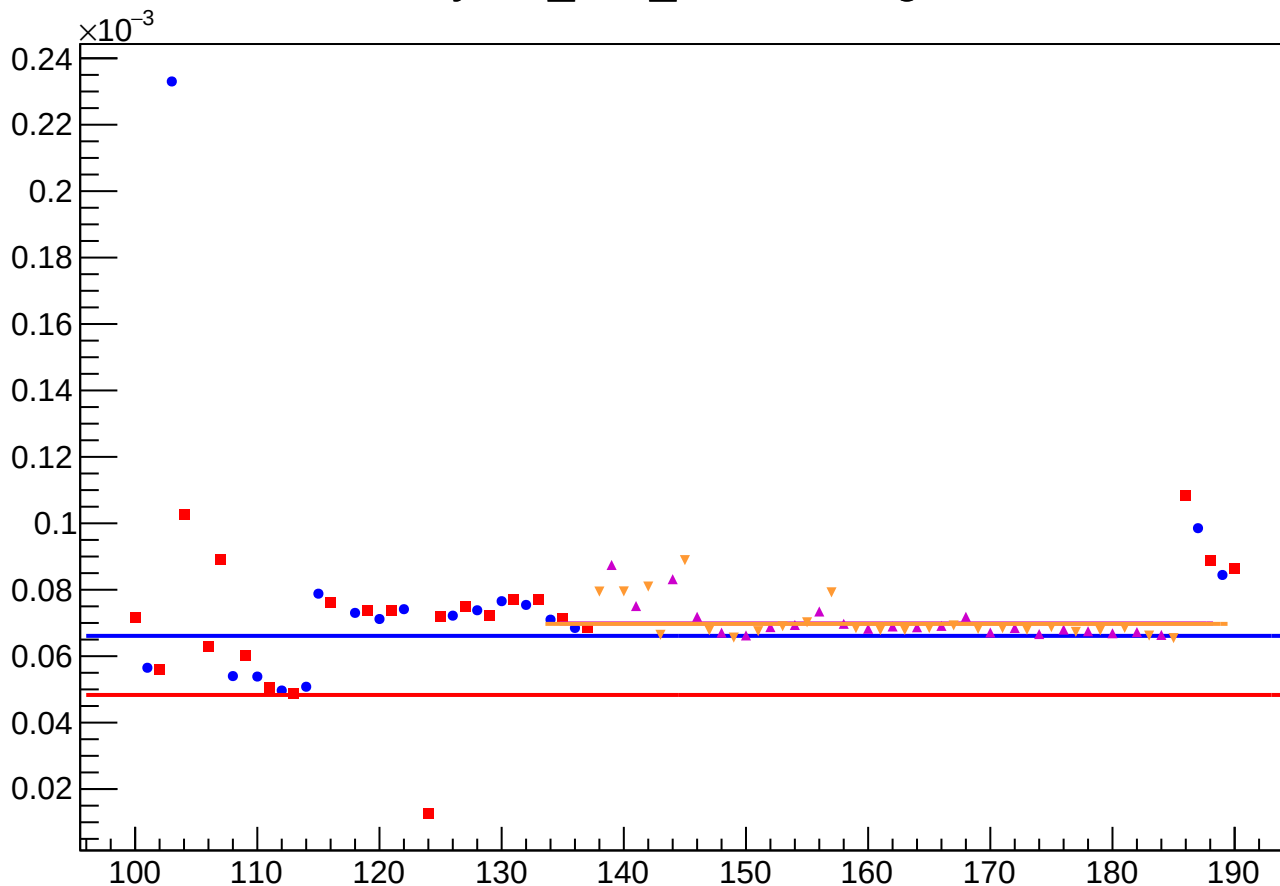
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 1884783780.3/22

+ sign 0.024 $\pm$ 0.000 χ^2 /NDF: 100118524655.6/42

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 694460587389.8

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 553075575783.7/44

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 909342.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4599946.8/21

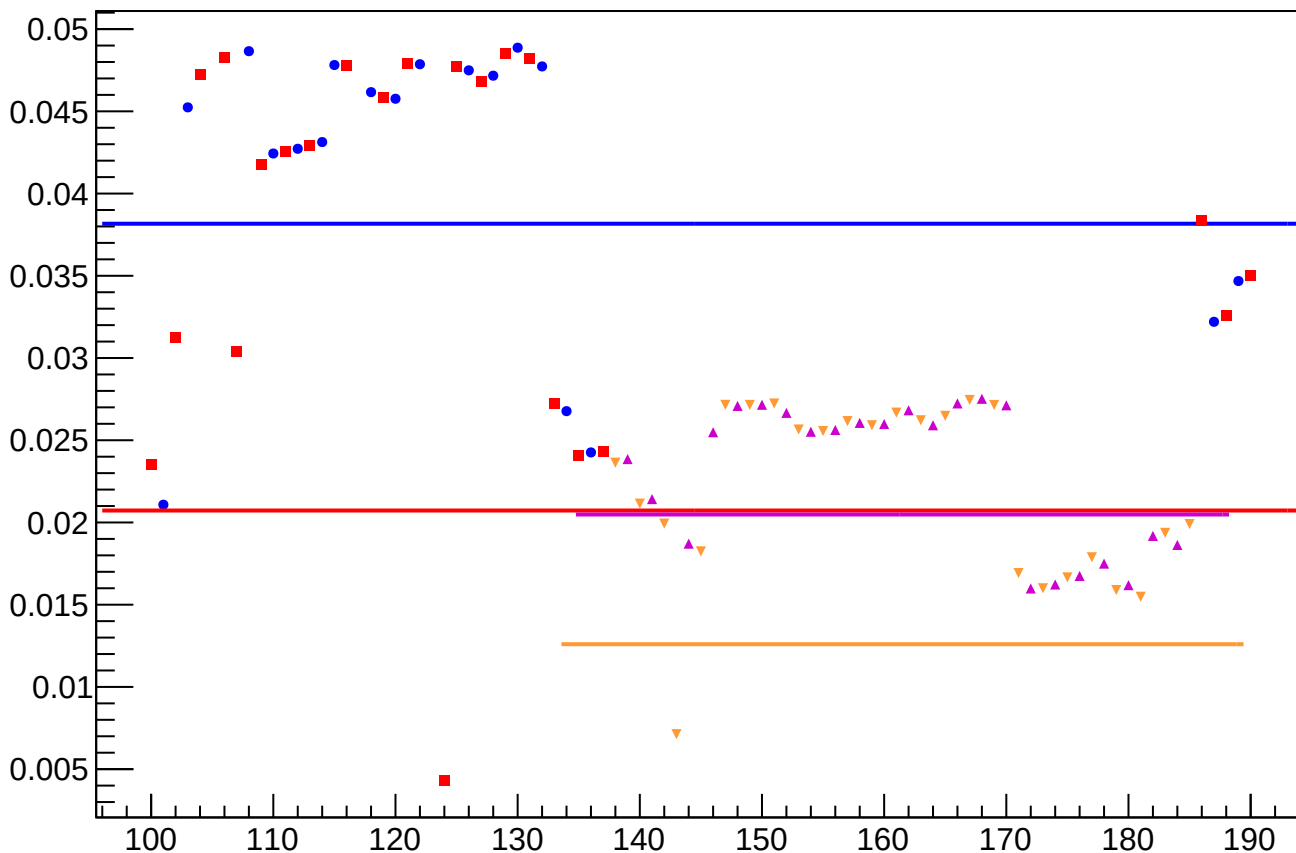
Left In: 0.000+/-0.000 χ^2/NDF : 152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 1127778.7/42

All: 0.000+/-0.000 χ^2/NDF : 7706629.2/87

- sign 0.000+/-0.000 χ^2/NDF : 6204519.0/44

yield_atl2_mean vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 7138914592.7/17

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 37338500367.6/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 43325268385.0/21

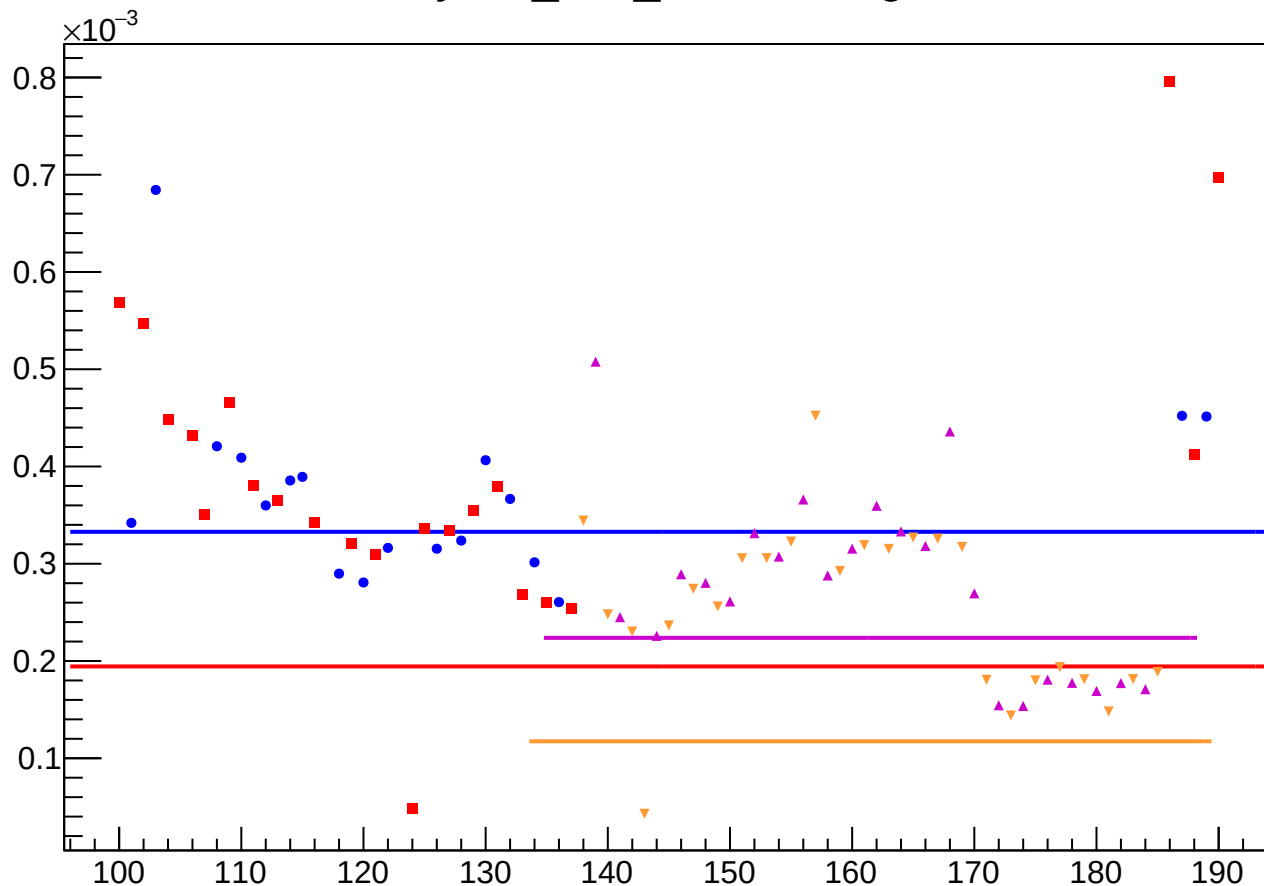
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 6099907424.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 82112774186.2/42

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 141702049991.5

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 49430492525.2/44

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 674132.8/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:14390785.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7017203.5/21

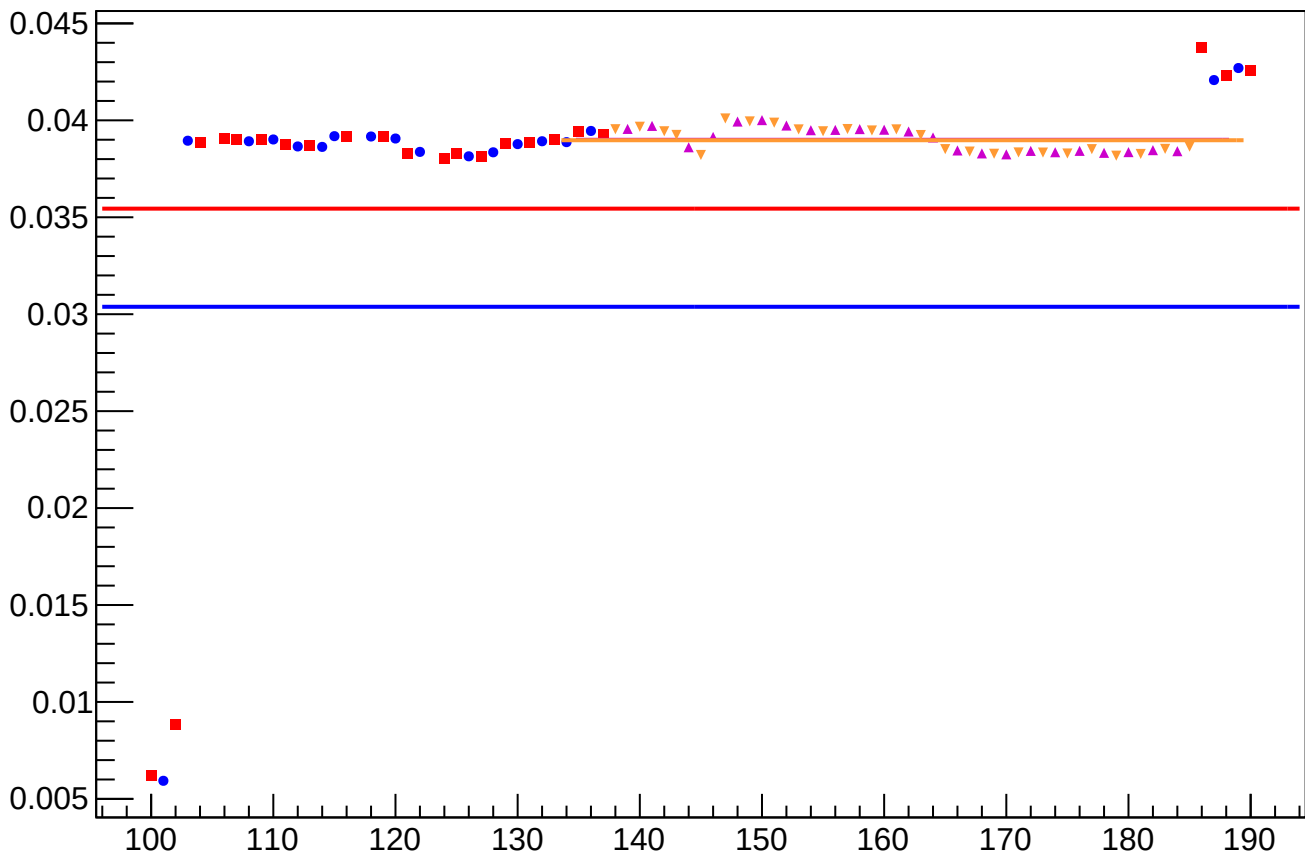
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3388230.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 20407940.6/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 34677965.5/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10561557.8/44

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 110883577952.2/17

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 477670162.8/24

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 137798952557.5/42

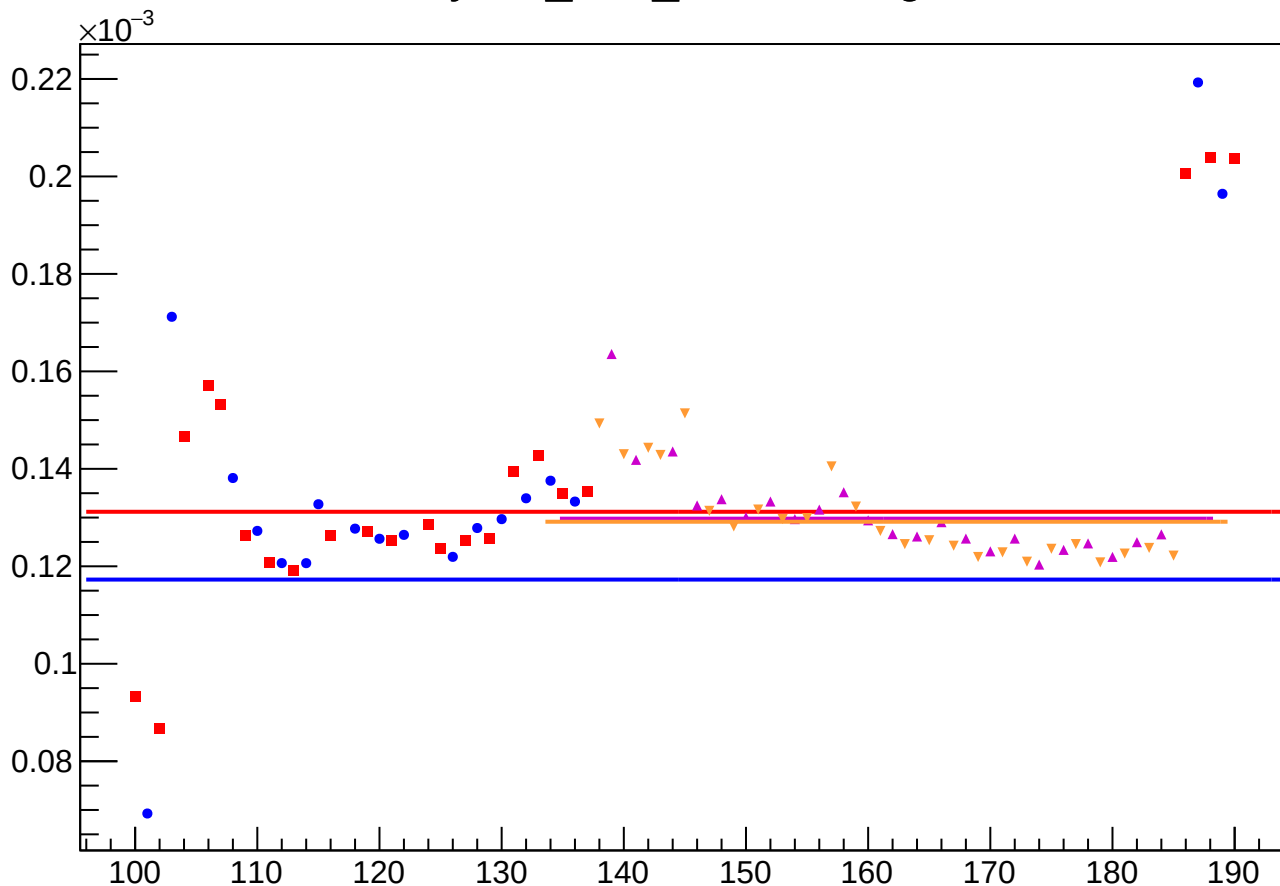
Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 49599915997.8/21

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 194132719463.0

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 54215027905.7/44

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 408808029.6/22

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1104795.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:157557.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 716509.4/21

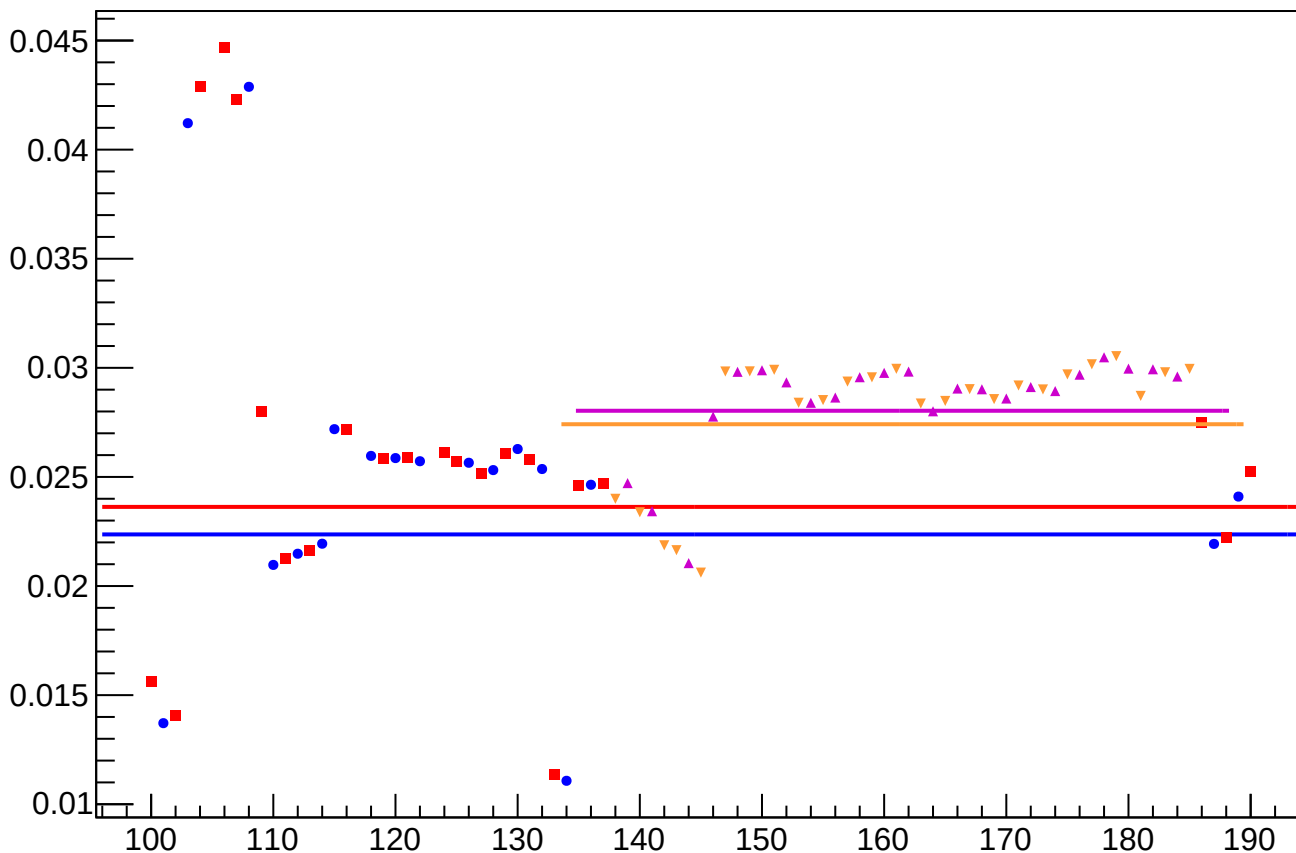
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:141831.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1363280.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 2260318.0/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 859678.7/44

yield_atr2_mean vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 5024142889.0/17

Left Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 2240091851.9/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5621000546.5/21

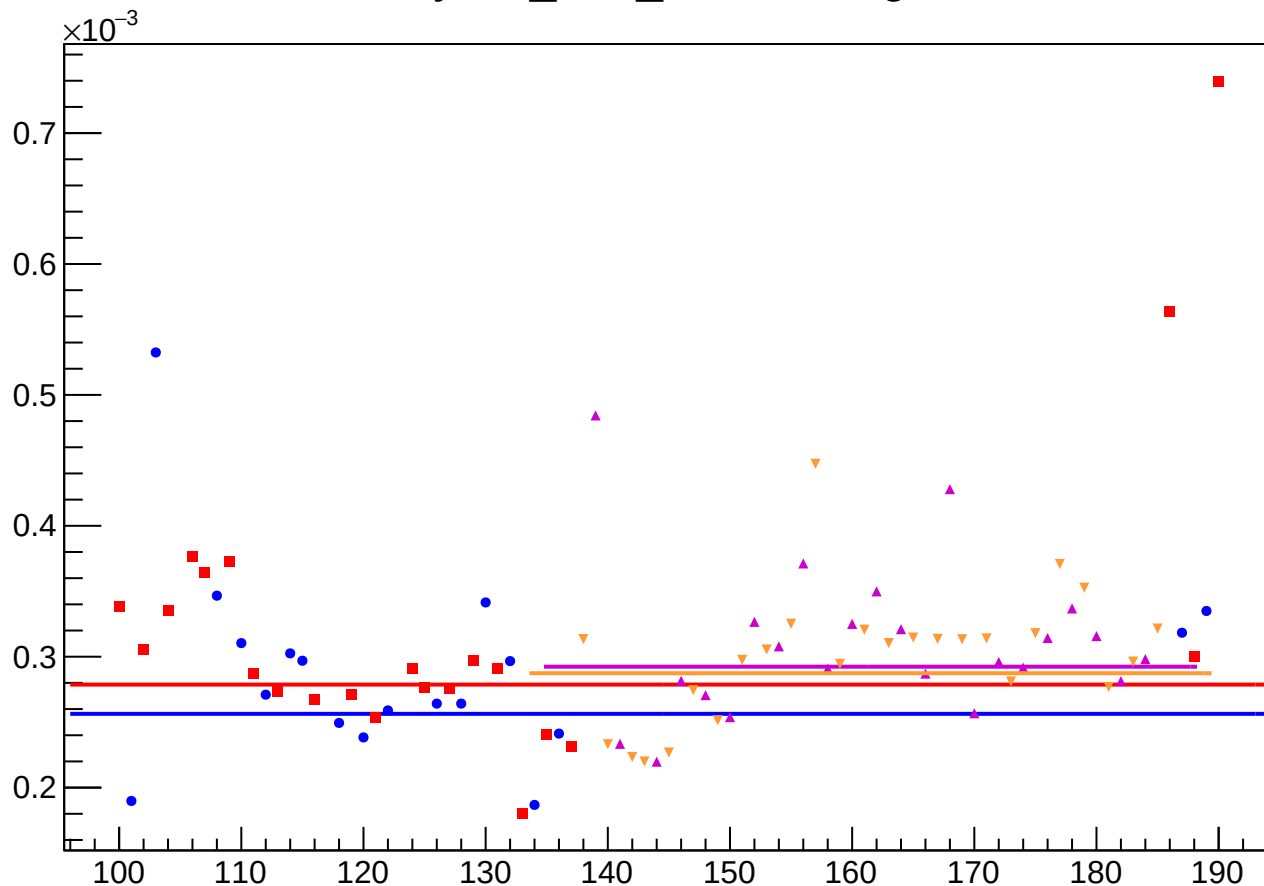
Left In: 0.028 $\pm$ 0.000 χ^2 /NDF: 1490587051.3/22

+ sign 0.026 $\pm$ 0.000 χ^2 /NDF: 9024498409.6/42

All: 0.026 $\pm$ 0.000 χ^2 /NDF: 17510449140.3/8

- sign 0.027 $\pm$ 0.000 χ^2 /NDF: 8391646478.6/44

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 768775.3/17

Left Out: 0.000+/-0.000 χ^2/NDF :821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 926508.4/21

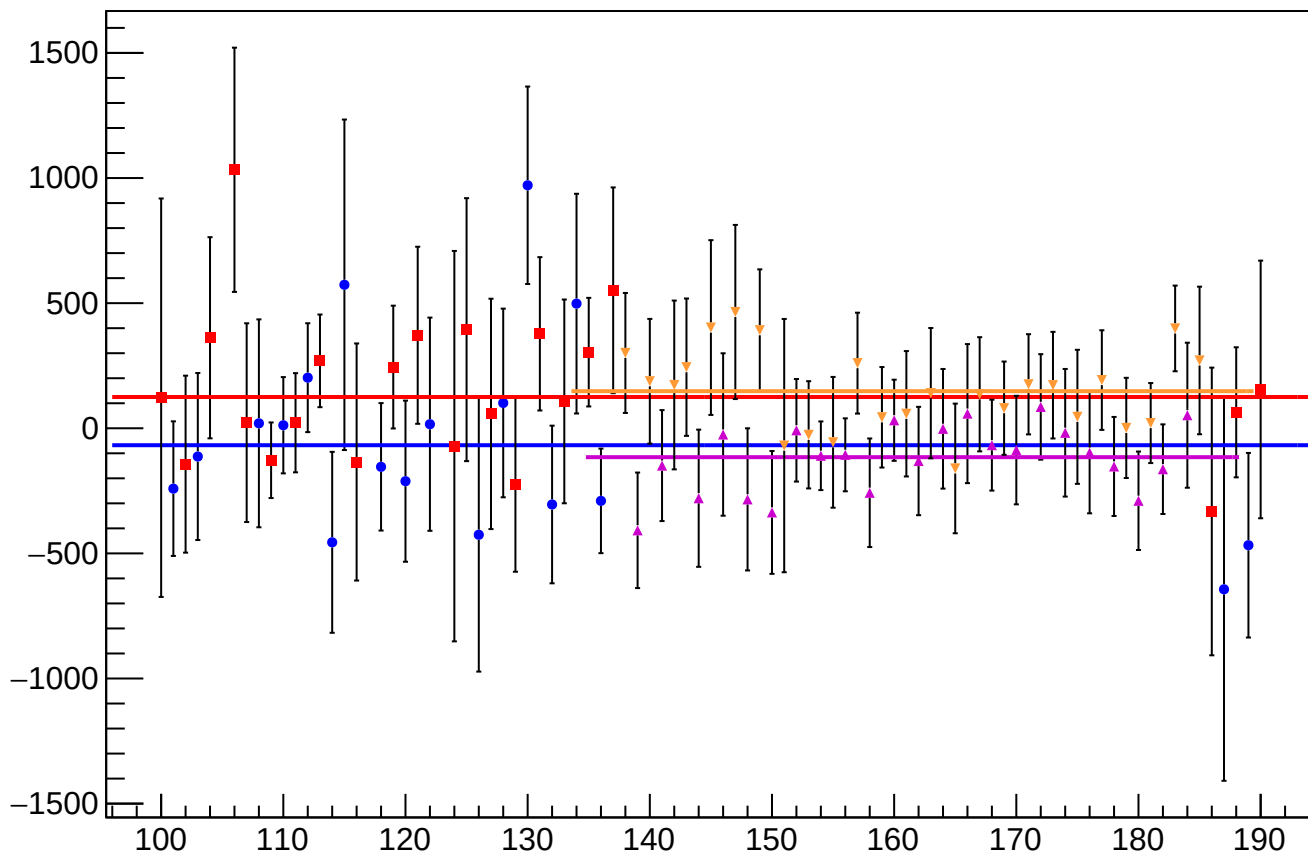
Left In: 0.000+/-0.000 χ^2/NDF :970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 1723223.3/42

All: 0.000+/-0.000 χ^2/NDF : 3678993.4/87

- sign 0.000+/-0.000 χ^2/NDF : 1921634.0/44

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -67.684 ± 74.270 $\chi^2/\text{NDF}: 17.3/17$

Left Out: 148.273 ± 46.219 $\chi^2/\text{NDF}: 10.4/24$

Right Out: 124.921 ± 64.893 $\chi^2/\text{NDF}: 13.6/21$

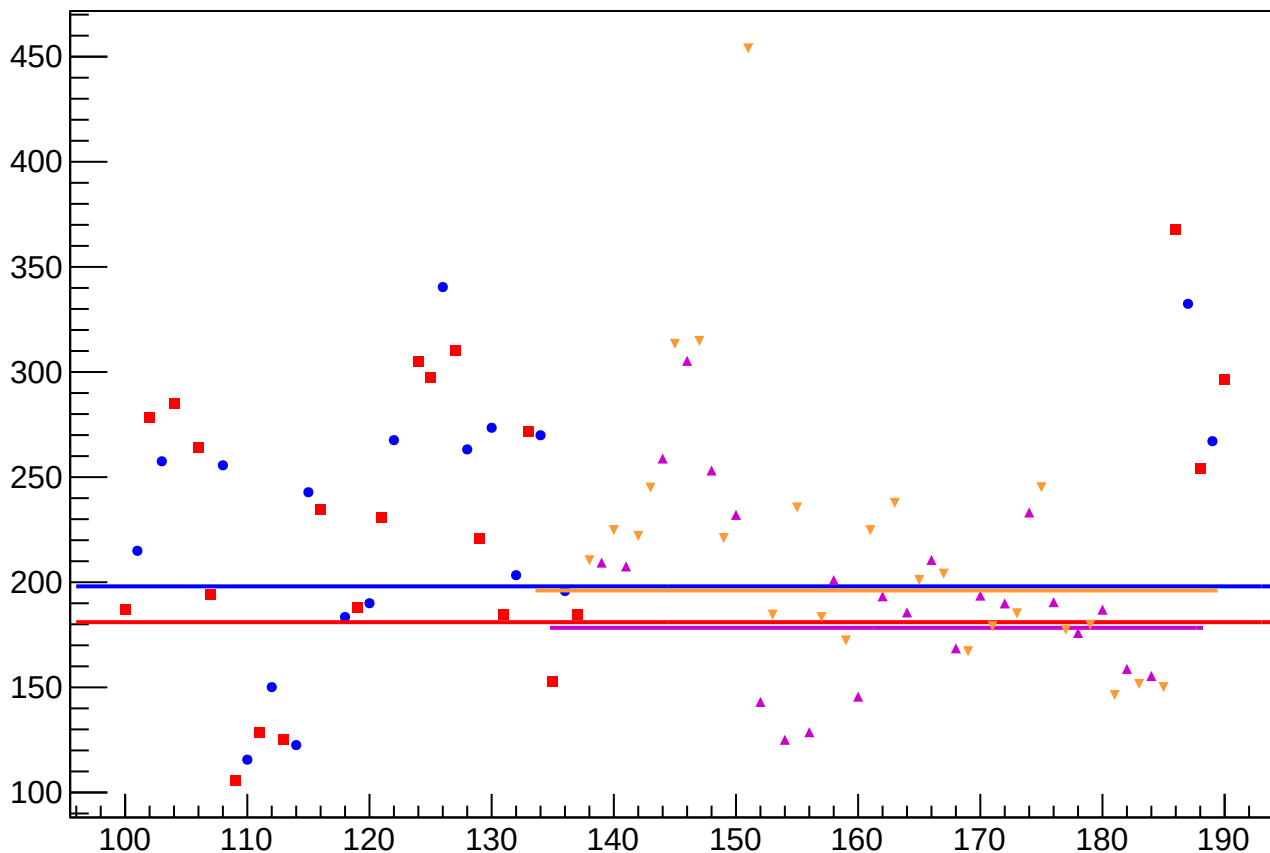
Left In: -115.487 ± 43.568 $\chi^2/\text{NDF}: 7.8/22$

+ sign 87.986 ± 39.241 $\chi^2/\text{NDF}: 33.8/42$

All: 18.365 ± 26.596 $\chi^2/\text{NDF}: 70.4/87$

- sign -40.791 ± 36.172 $\chi^2/\text{NDF}: 30.9/44$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 198.047 $\pm$ 0.053 χ^2/NDF : 1186199.6/17

Left Out: 196.087 $\pm$ 0.033 χ^2/NDF : 1818492.9/24

Right Out: 181.012 $\pm$ 0.046 χ^2/NDF : 2166463.4/21

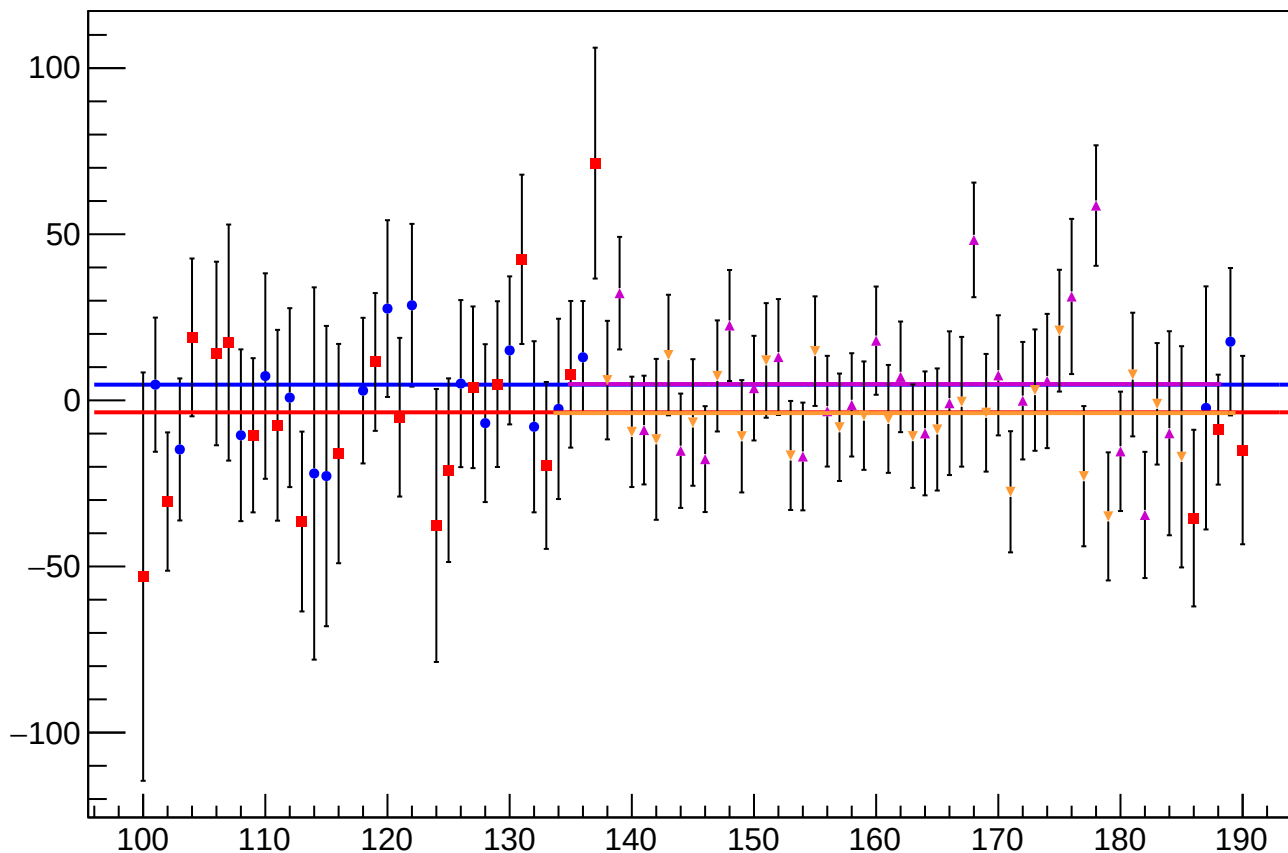
Left In: 178.318 $\pm$ 0.031 χ^2/NDF : 1678336.4/22

+ sign 196.634 $\pm$ 0.028 χ^2/NDF : 3005697.4/42

All: 187.184 $\pm$ 0.019 χ^2/NDF : 7067400.5/87

- sign 179.155 $\pm$ 0.026 χ^2/NDF : 3847176.8/44

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.725 $\pm$ 5.869 χ^2 /NDF: 4.9/17

Left Out: -3.834 $\pm$ 3.603 χ^2 /NDF:12.9/24

Right Out: -3.601 $\pm$ 5.473 χ^2 /NDF: 17.8/21

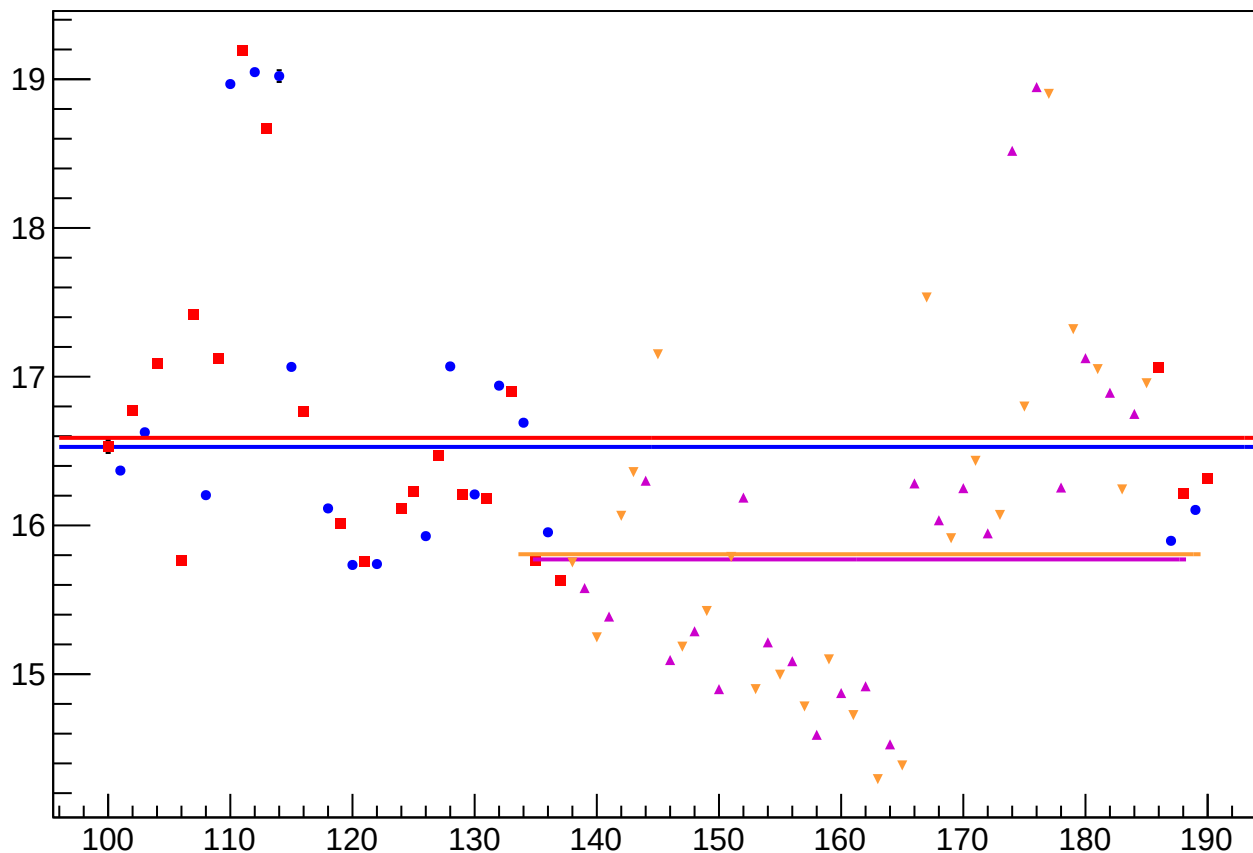
Left In: 4.903 $\pm$ 3.695 χ^2 /NDF:33.9/22

+ sign -1.492 $\pm$ 3.070 χ^2 /NDF: 19.3/42

All: 0.379 $\pm$ 2.168 χ^2 /NDF: 73.4/87

- sign 2.240 $\pm$ 3.063 χ^2 /NDF: 53.4/44

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.528 ± 0.004 $\chi^2/\text{NDF}: 46036.1/17$

Left Out: 15.806 ± 0.003 $\chi^2/\text{NDF}: 172651.3/24$

Right Out: 16.589 ± 0.004 $\chi^2/\text{NDF}: 45387.3/21$

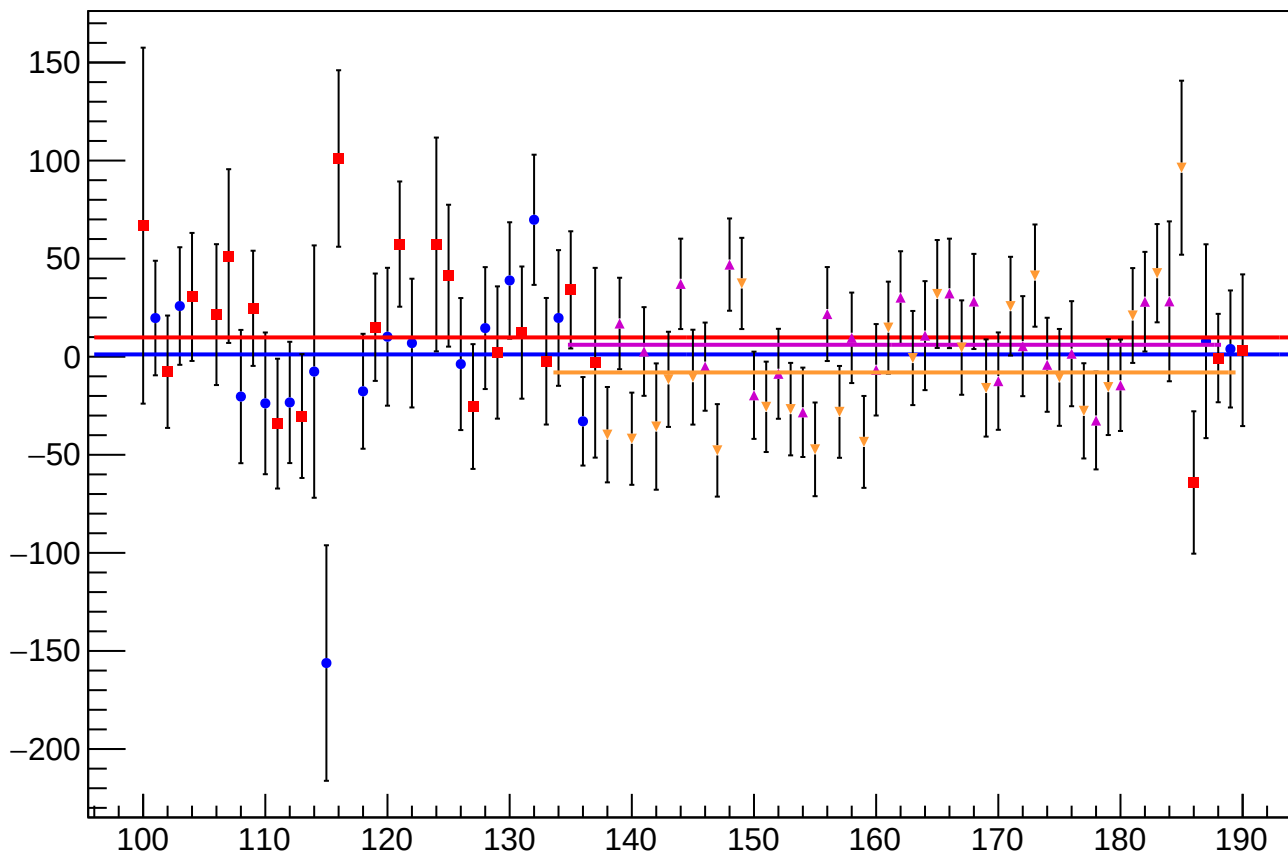
Left In: 15.771 ± 0.003 $\chi^2/\text{NDF}: 152136.7/22$

+ sign 16.004 ± 0.002 $\chi^2/\text{NDF}: 240644.7/42$

All: 16.016 ± 0.002 $\chi^2/\text{NDF}: 468874.8/87$

- sign 16.027 ± 0.002 $\chi^2/\text{NDF}: 228170.7/44$

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.177+/-7.742 χ^2/NDF : 18.7/17

Left Out: -8.016+/-4.956 χ^2/NDF : 38.9/24

Right Out: 9.843+/-7.216 χ^2/NDF : 20.2/21

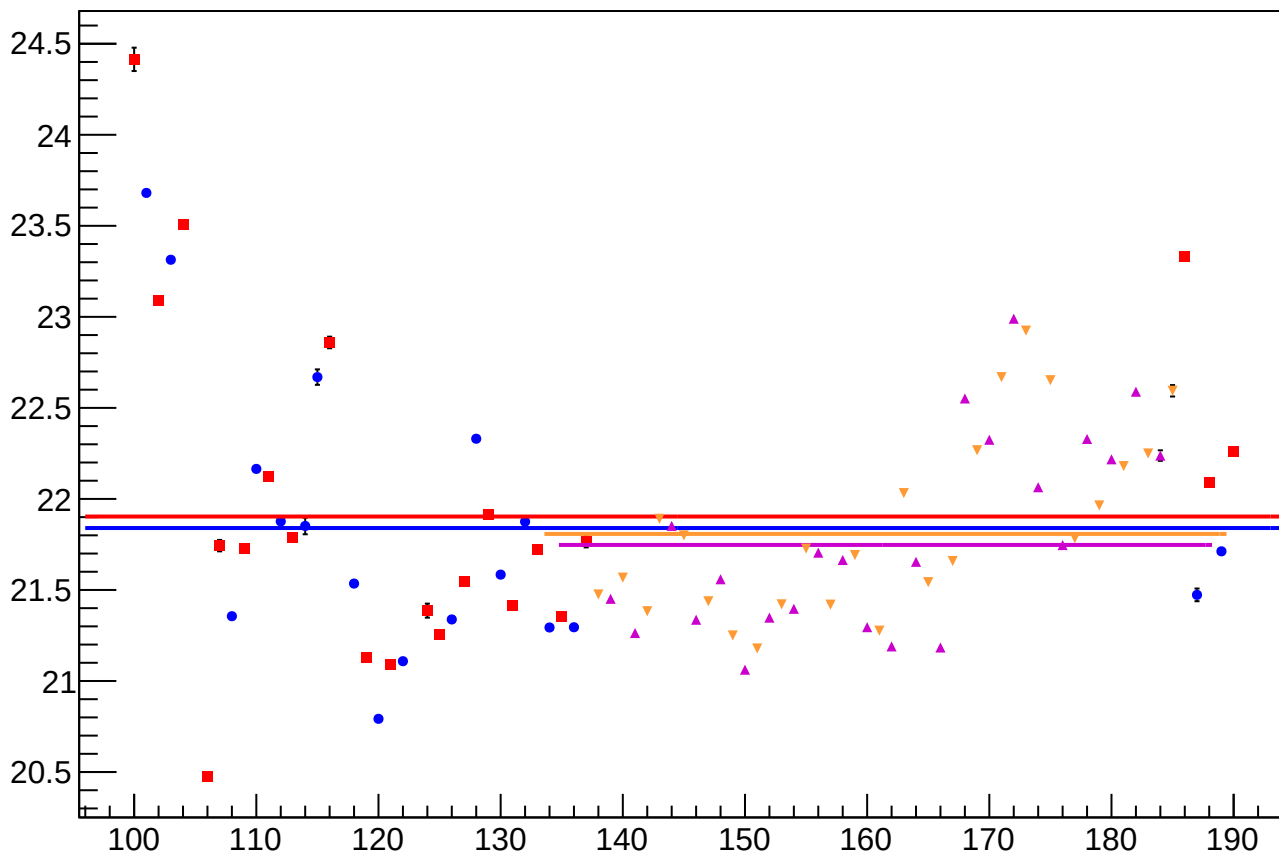
Left In: 6.086+/-5.080 χ^2/NDF : 17.9/22

+ sign -5.344+/-4.174 χ^2/NDF : 58.5/42

All: 1.024+/-2.944 χ^2/NDF : 101.4/87

- sign 7.331+/-4.154 χ^2/NDF : 38.3/44

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.840 $\pm$ 0.005 χ^2 /NDF: 19626.7/17

Left Out: 21.808 $\pm$ 0.004 χ^2 /NDF:17561.0/24

Right Out: 21.903 $\pm$ 0.005 χ^2 /NDF: 22628.7/21

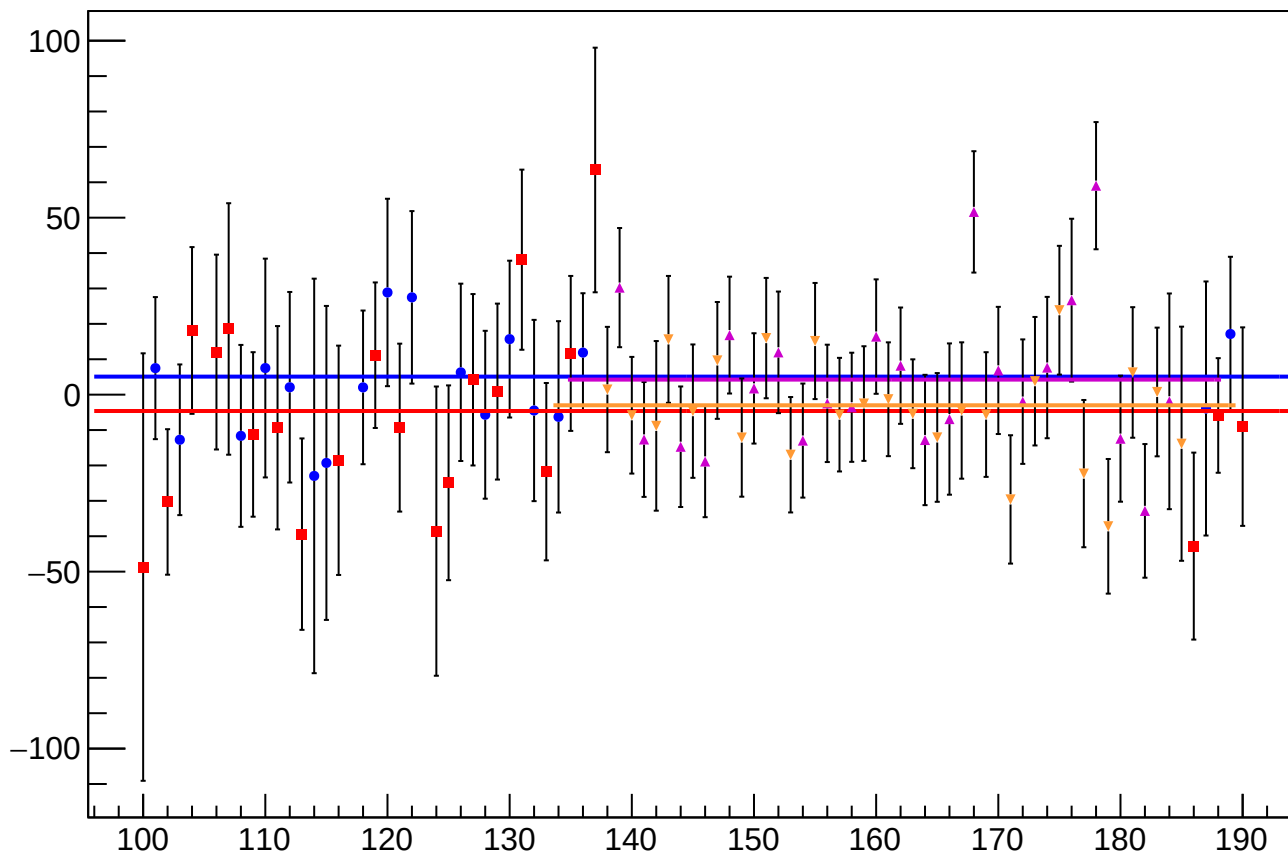
Left In: 21.747 $\pm$ 0.004 χ^2 /NDF:20560.9/22

+ sign 21.817 $\pm$ 0.003 χ^2 /NDF: 37212.6/42

All: 21.808 $\pm$ 0.002 χ^2 /NDF: 81046.7/87

- sign 21.799 $\pm$ 0.003 χ^2 /NDF: 43815.1/44

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.095 $\pm$ 5.829 χ^2 /NDF: 4.7/17

Left Out: -3.002 $\pm$ 3.569 χ^2 /NDF:14.6/24

Right Out: -4.621 $\pm$ 5.430 χ^2 /NDF: 17.7/21

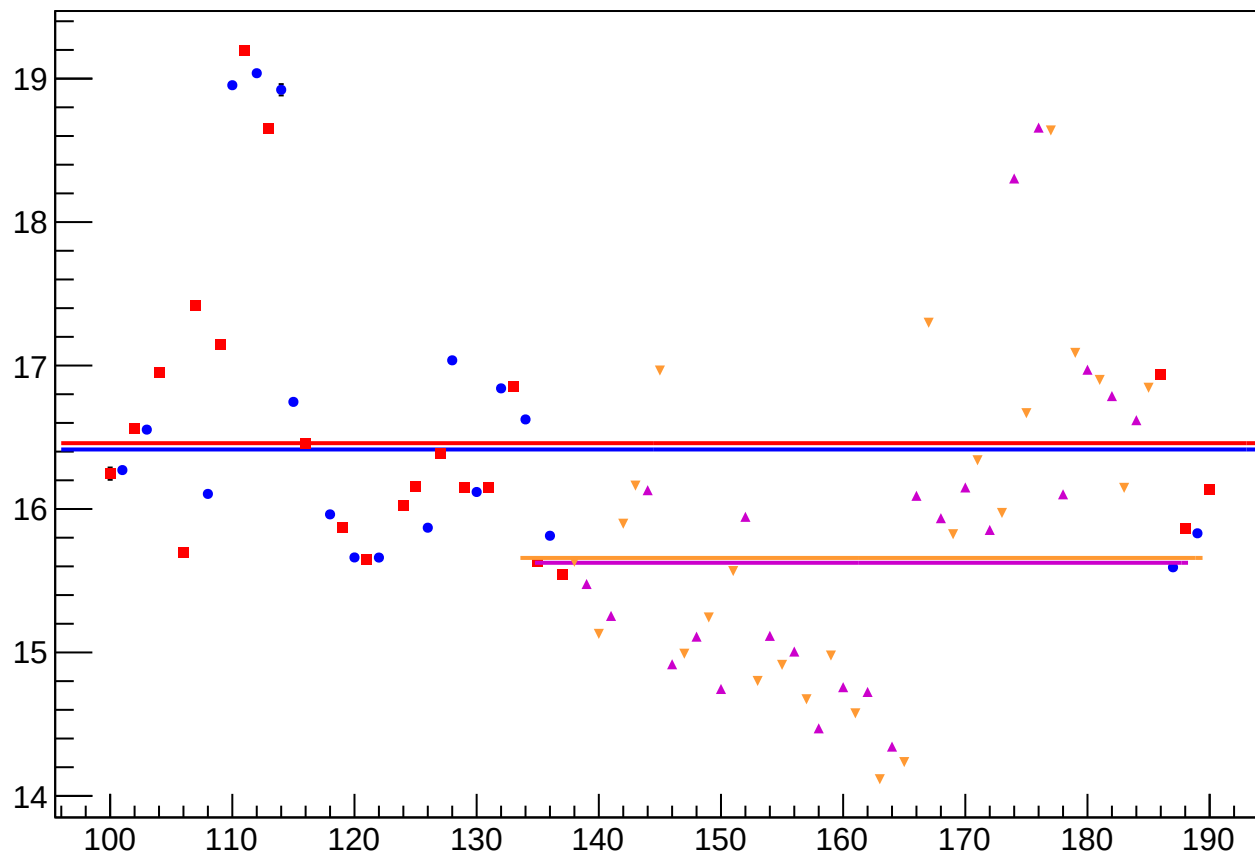
Left In: 4.249 $\pm$ 3.661 χ^2 /NDF:33.8/22

+ sign -0.795 $\pm$ 3.044 χ^2 /NDF: 20.7/42

All: 0.344 $\pm$ 2.149 χ^2 /NDF: 74.3/87

- sign 1.478 $\pm$ 3.035 χ^2 /NDF: 53.3/44

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.415 $\pm$ 0.004 χ^2 /NDF: 49930.5/17

Left Out: 15.659 $\pm$ 0.003 χ^2 /NDF: 169838.6/24

Right Out: 16.459 $\pm$ 0.004 χ^2 /NDF: 50373.2/21

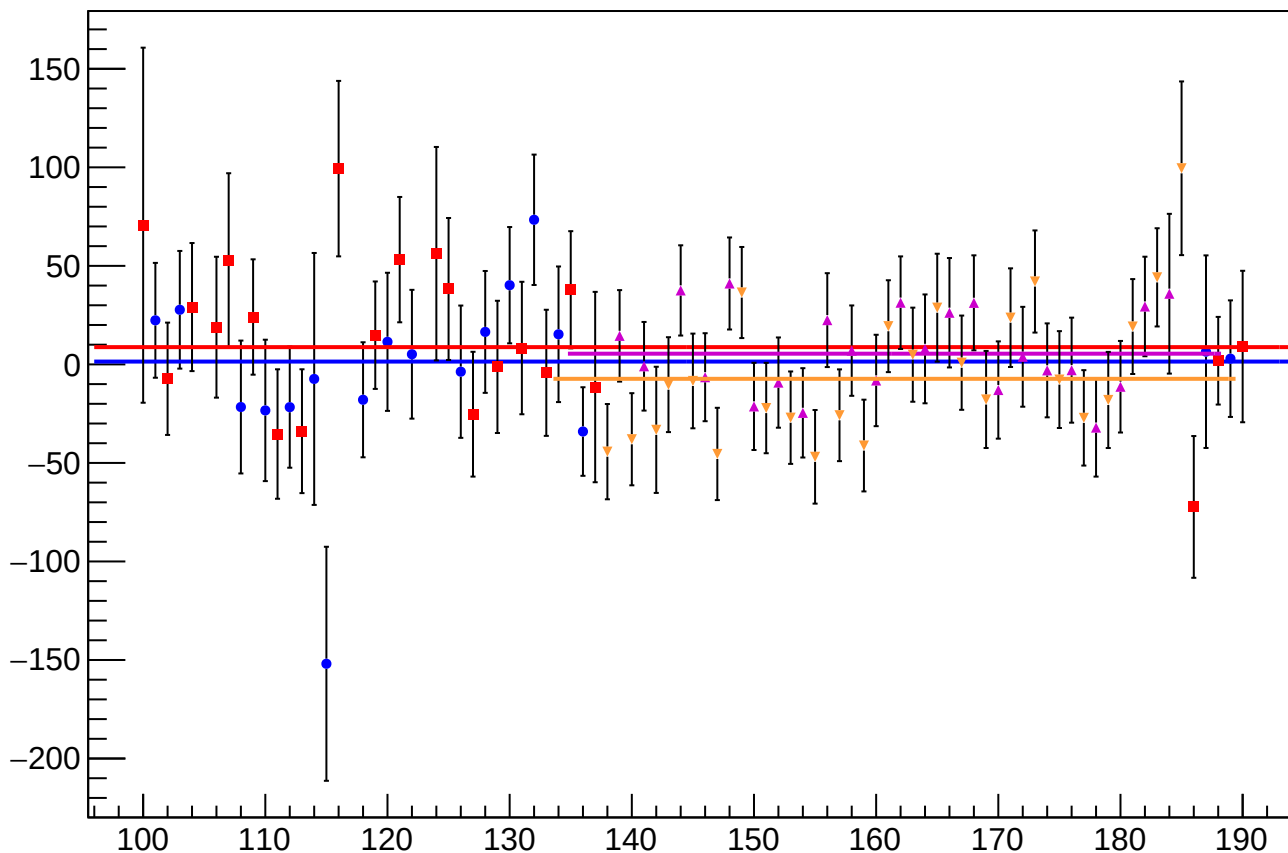
Left In: 15.625 $\pm$ 0.003 χ^2 /NDF: 150431.7/22

+ sign 15.865 $\pm$ 0.002 χ^2 /NDF: 244231.7/42

All: 15.875 $\pm$ 0.002 χ^2 /NDF: 477499.9/87

- sign 15.886 $\pm$ 0.002 χ^2 /NDF: 233222.6/44

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.433 ± 7.704 χ^2/NDF : 19.4/17

Left Out: -7.318 ± 4.929 χ^2/NDF : 38.6/24

Right Out: 8.762 ± 7.173 χ^2/NDF : 21.5/21

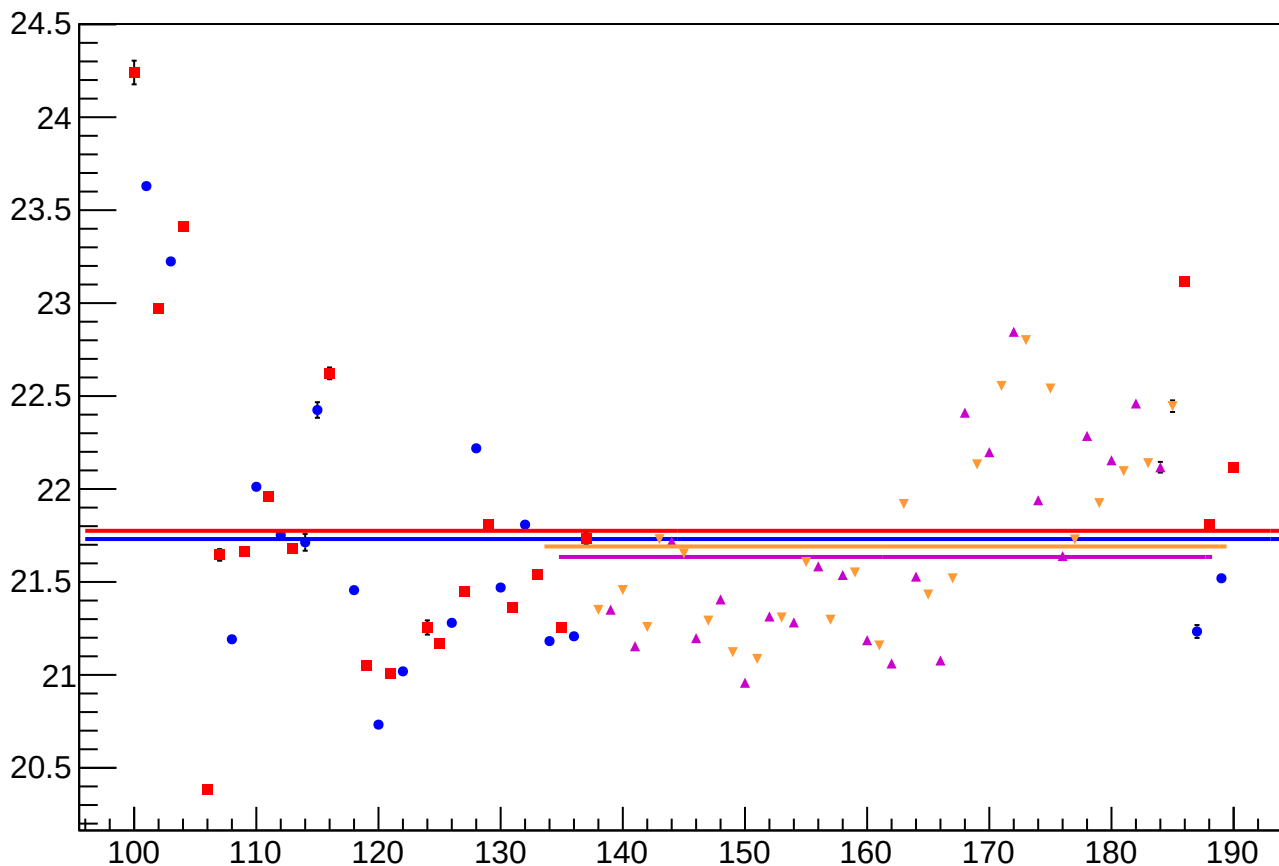
Left In: 5.435 ± 5.054 χ^2/NDF : 17.3/22

+ sign -4.776 ± 4.152 χ^2/NDF : 59.0/42

All: 0.909 ± 2.929 χ^2/NDF : 101.6/87

- sign 6.538 ± 4.131 χ^2/NDF : 38.9/44

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.731 $\pm$ 0.005 χ^2 /NDF: 20081.0/17

Left Out: 21.691 $\pm$ 0.003 χ^2 /NDF:17934.9/24

Right Out: 21.775 $\pm$ 0.005 χ^2 /NDF: 21496.3/21

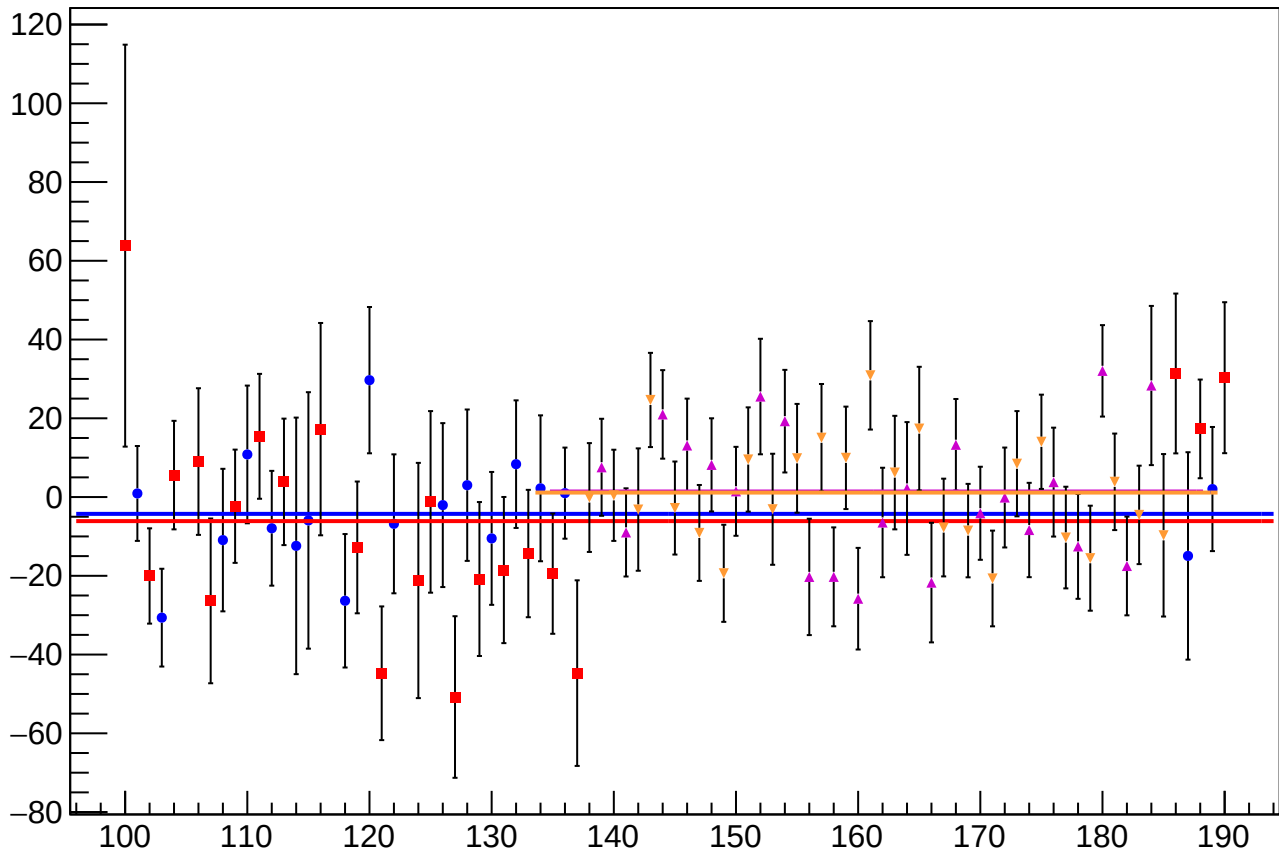
Left In: 21.635 $\pm$ 0.004 χ^2 /NDF:20561.5/22

+ sign 21.702 $\pm$ 0.003 χ^2 /NDF: 38054.2/42

All: 21.692 $\pm$ 0.002 χ^2 /NDF: 80652.2/87

- sign 21.681 $\pm$ 0.003 χ^2 /NDF: 42571.5/44

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.270 ± 3.951 χ^2/NDF : 12.3/17

Left Out: 1.138 ± 2.620 χ^2/NDF : 24.5/24

Right Out: -6.111 ± 3.751 χ^2/NDF : 34.2/21

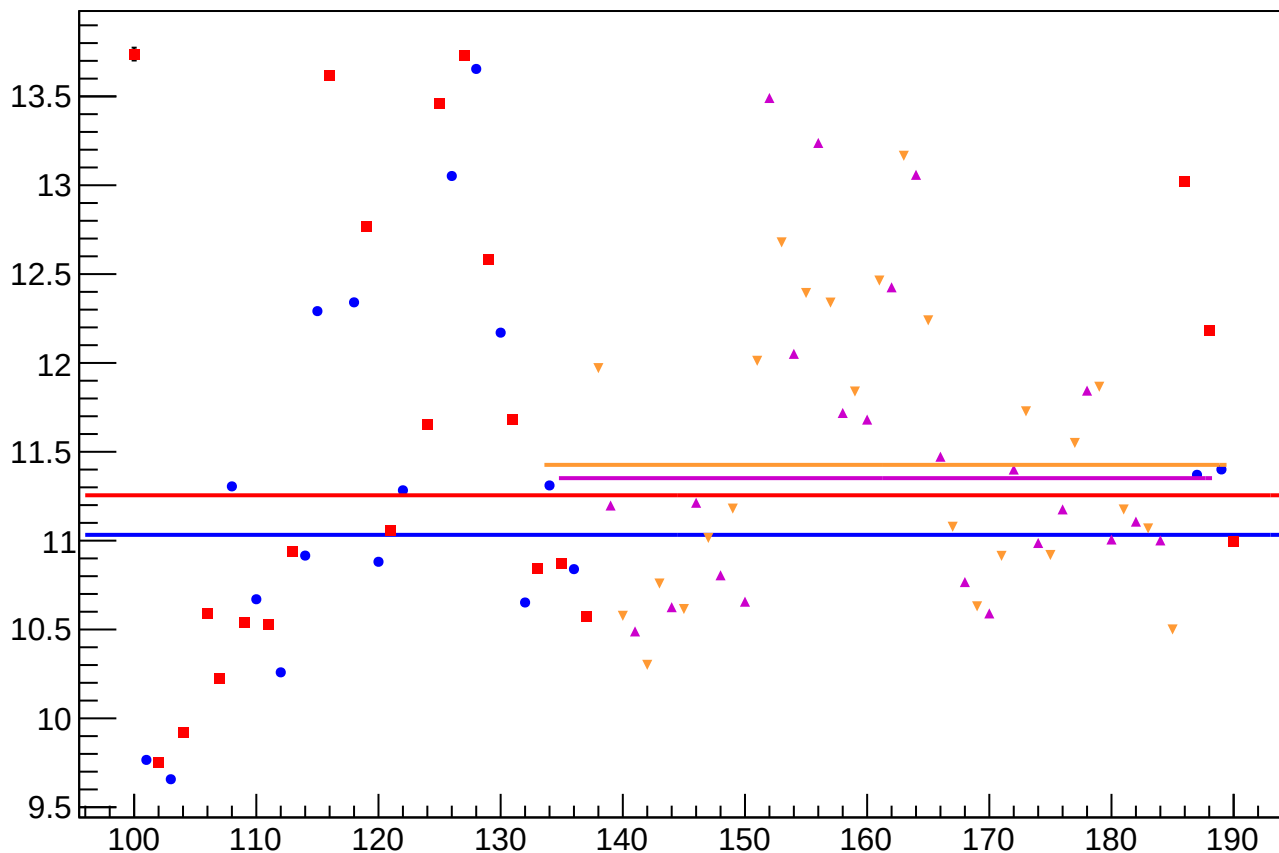
Left In: 1.407 ± 2.674 χ^2/NDF : 36.3/22

+ sign -0.514 ± 2.183 χ^2/NDF : 38.1/42

All: -0.821 ± 1.542 χ^2/NDF : 111.3/87

- sign -1.127 ± 2.177 χ^2/NDF : 73.2/44

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.033 ± 0.003 χ^2/NDF : 137710.8/17

Left Out: 11.426 ± 0.002 χ^2/NDF : 156973.4/24

Right Out: 11.255 ± 0.003 χ^2/NDF : 192426.8/21

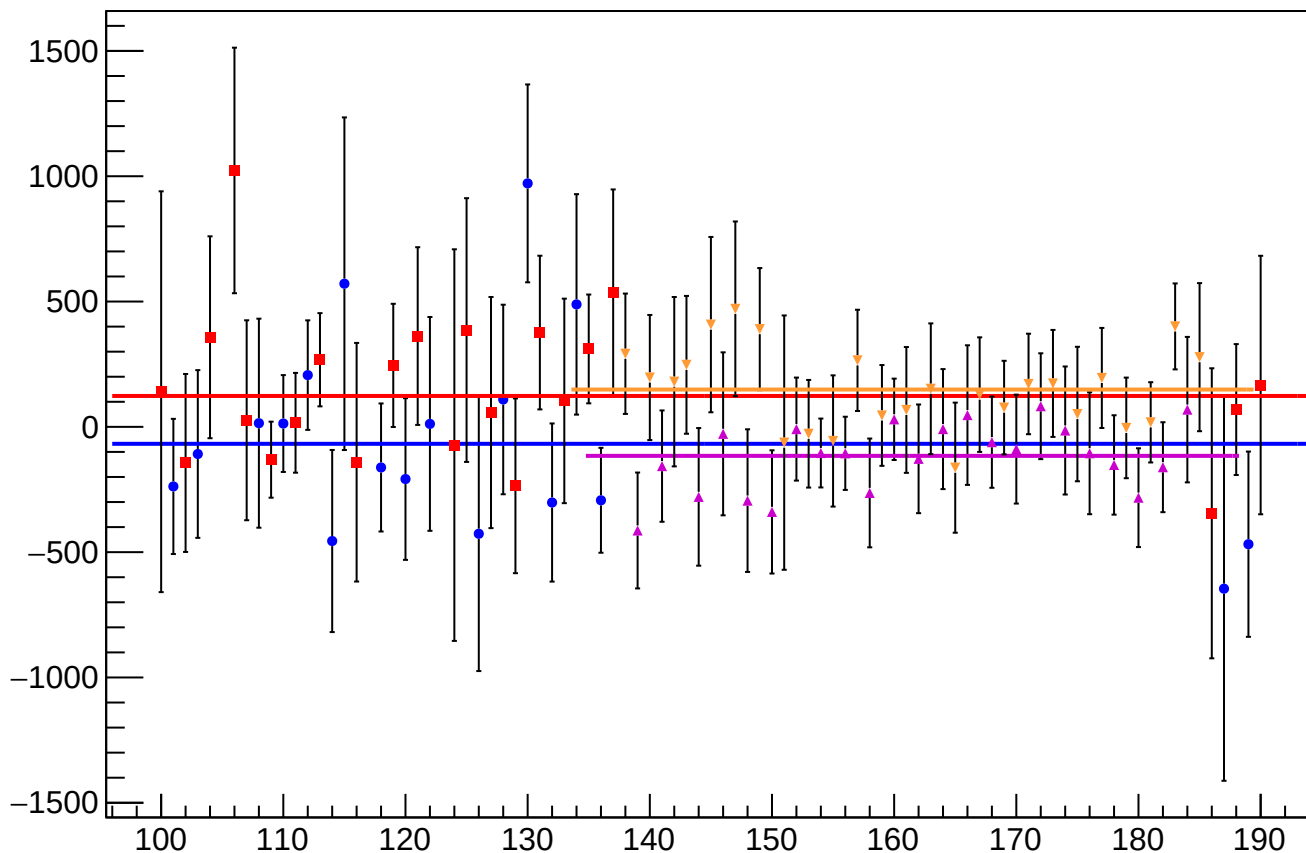
Left In: 11.352 ± 0.002 χ^2/NDF : 170563.6/22

+ sign 11.306 ± 0.002 χ^2/NDF : 308490.7/42

All: 11.313 ± 0.001 χ^2/NDF : 672393.3/87

- sign 11.319 ± 0.002 χ^2/NDF : 363866.8/44

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -67.666 ± 74.487 χ^2/NDF : 17.3/17

Left Out: 148.905 ± 46.306 χ^2/NDF : 10.5/24

Right Out: 123.268 ± 65.100 χ^2/NDF : 13.6/21

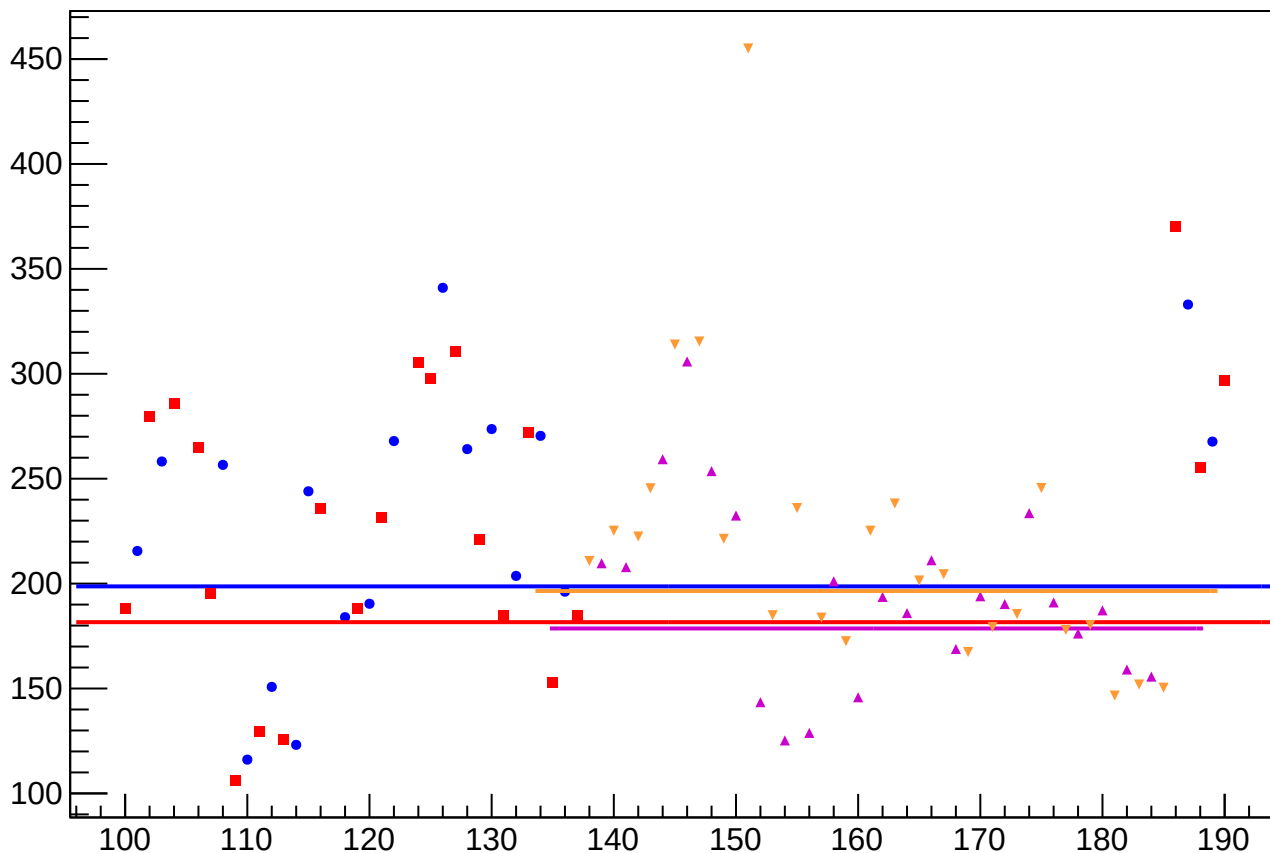
Left In: -115.709 ± 43.641 χ^2/NDF : 7.8/22

+ sign 88.536 ± 39.326 χ^2/NDF : 33.8/42

All: 18.171 ± 26.654 χ^2/NDF : 70.4/87

- sign -41.613 ± 36.249 χ^2/NDF : 30.7/44

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 198.670 $\pm$ 0.053 χ^2 /NDF: 1179442.0/17

Left Out: 196.454 $\pm$ 0.033 χ^2 /NDF:1818746.1/24

Right Out: 181.619 $\pm$ 0.046 χ^2 /NDF: 2162114.3/21

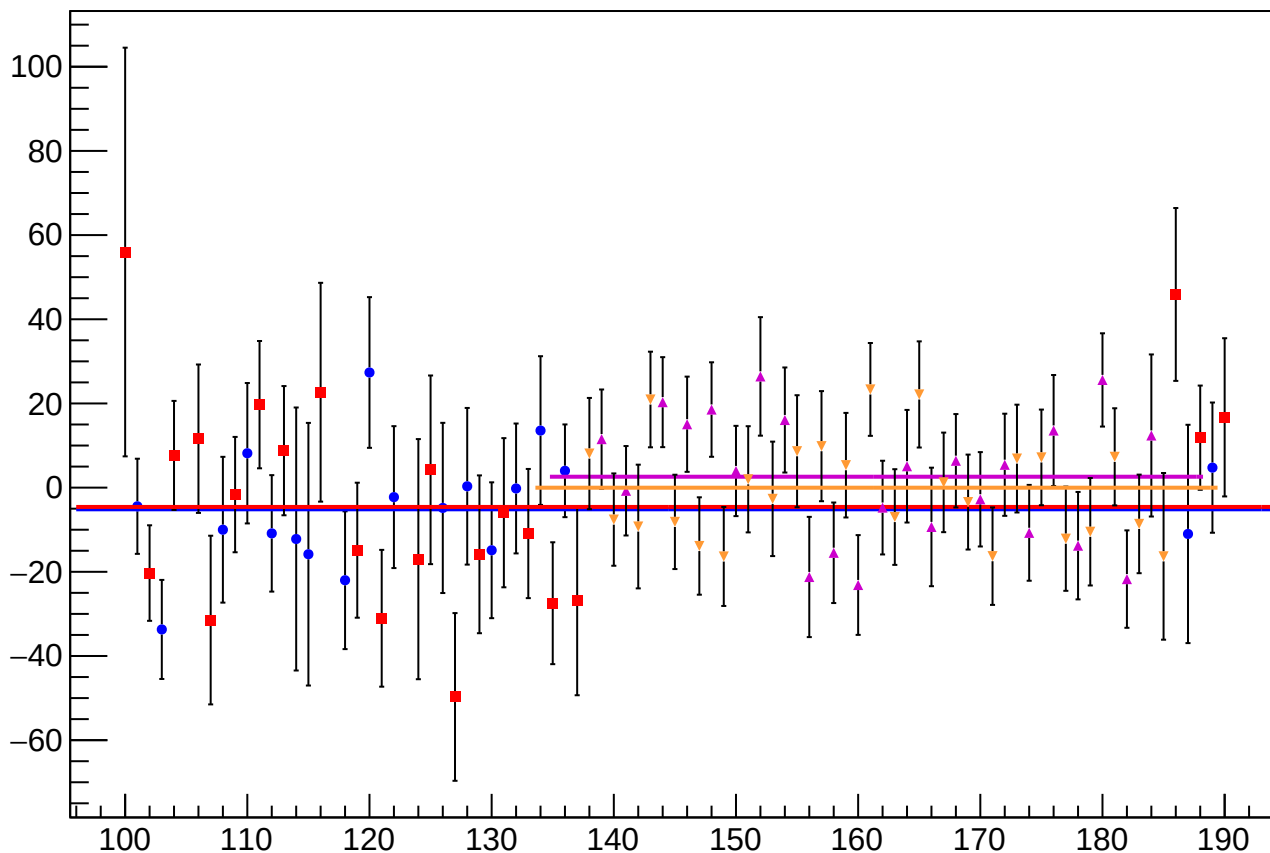
Left In: 178.614 $\pm$ 0.031 χ^2 /NDF:1678859.8/22

+ sign 197.072 $\pm$ 0.028 χ^2 /NDF: 2999464.8/42

All: 187.596 $\pm$ 0.019 χ^2 /NDF: 7058141.0/87

- sign 179.546 $\pm$ 0.026 χ^2 /NDF: 3843914.7/44

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.150 ± 3.777 $\chi^2/\text{NDF}: 14.2/17$

Left Out: -0.018 ± 2.445 $\chi^2/\text{NDF}: 23.7/24$

Right Out: -4.588 ± 3.593 $\chi^2/\text{NDF}: 33.1/21$

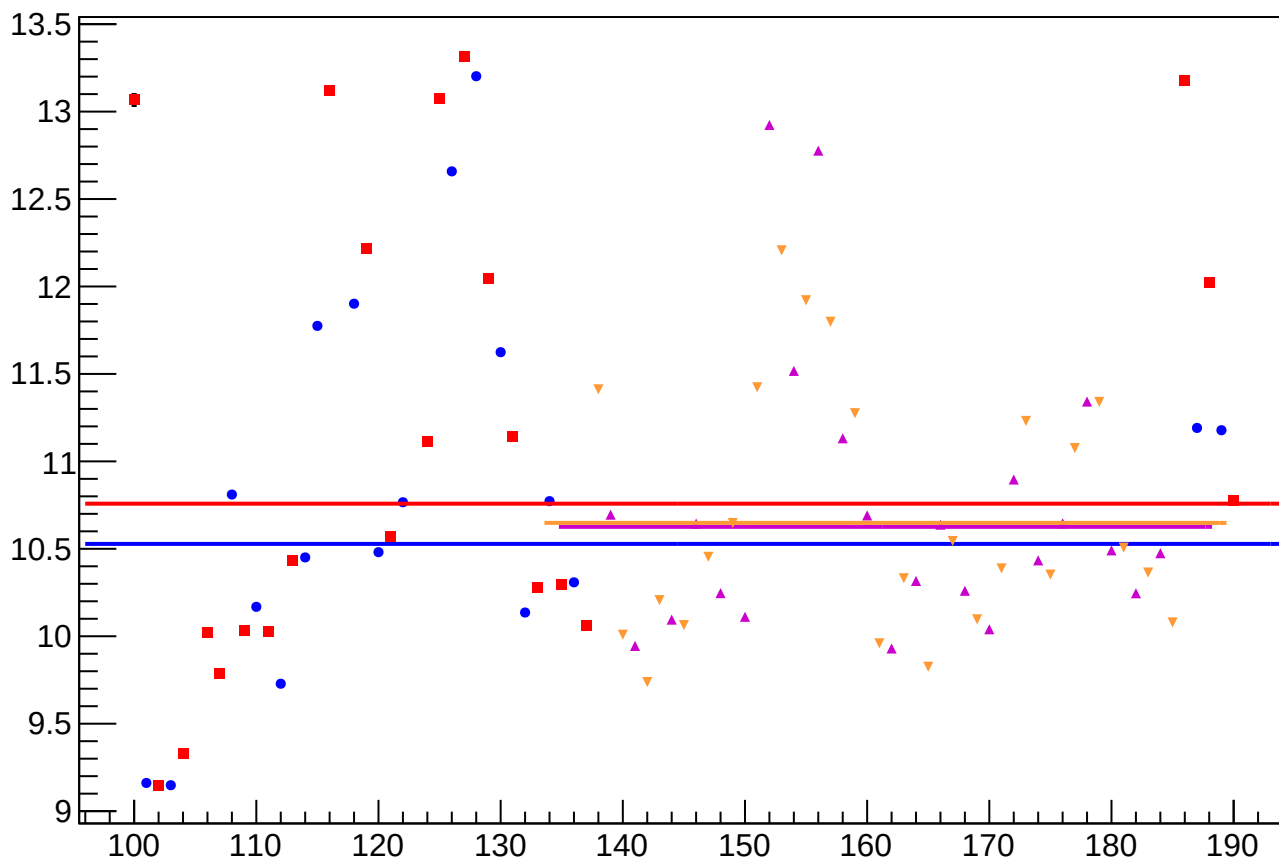
Left In: 2.591 ± 2.506 $\chi^2/\text{NDF}: 34.8/22$

+ sign -1.533 ± 2.052 $\chi^2/\text{NDF}: 39.2/42$

All: -0.647 ± 1.452 $\chi^2/\text{NDF}: 110.2/87$

- sign 0.242 ± 2.055 $\chi^2/\text{NDF}: 70.6/44$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.528 $\pm$ 0.003 χ^2 /NDF: 162631.3/17

Left Out: 10.648 $\pm$ 0.002 χ^2 /NDF: 143535.9/24

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 241473.9/21

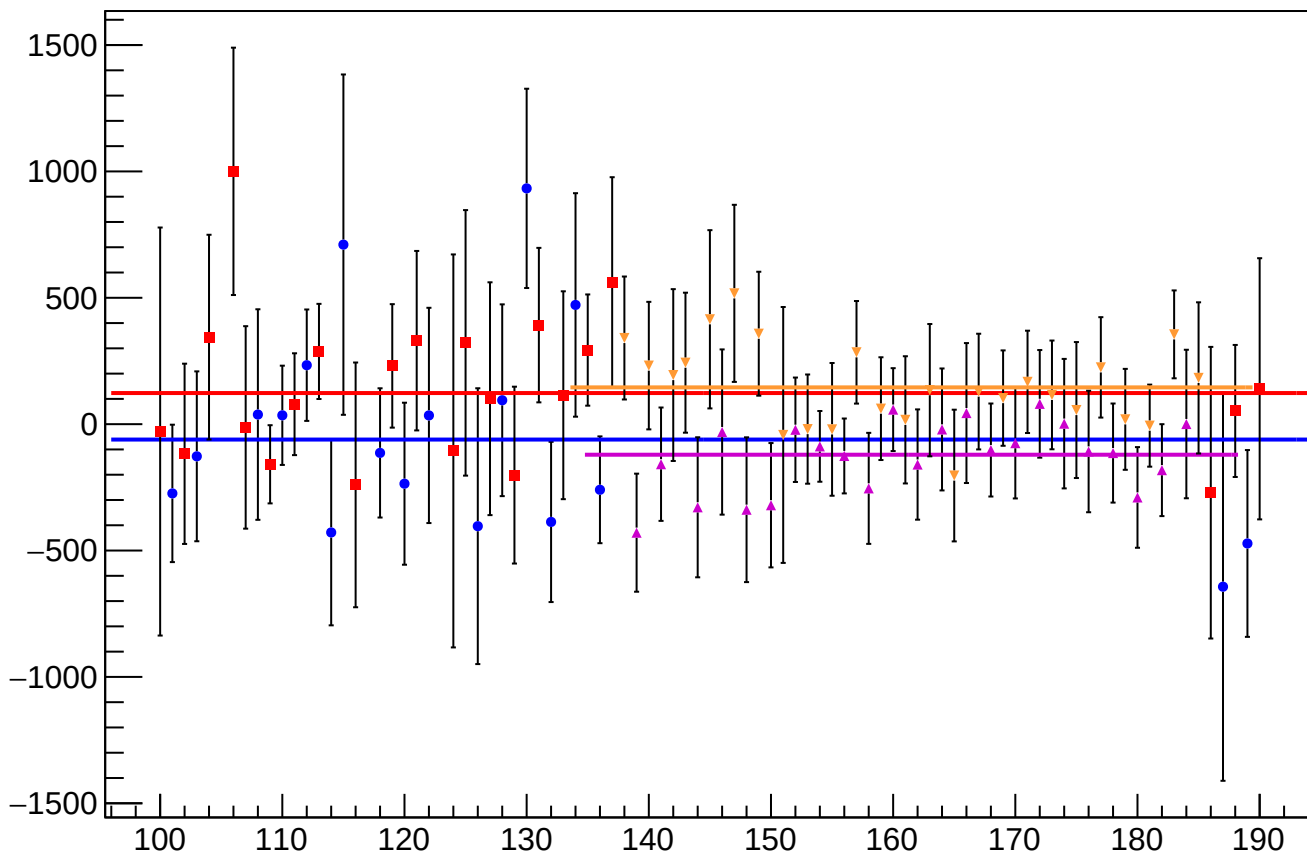
Left In: 10.626 $\pm$ 0.002 χ^2 /NDF: 159543.1/22

+ sign 10.613 $\pm$ 0.001 χ^2 /NDF: 307595.0/42

All: 10.641 $\pm$ 0.001 χ^2 /NDF: 711191.0/87

- sign 10.669 $\pm$ 0.001 χ^2 /NDF: 402845.8/44

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -60.890 ± 74.942 $\chi^2/\text{NDF}: 17.6/17$

Left Out: 145.545 ± 46.613 $\chi^2/\text{NDF}: 10.3/24$

Right Out: 123.133 ± 65.633 $\chi^2/\text{NDF}: 13.5/21$

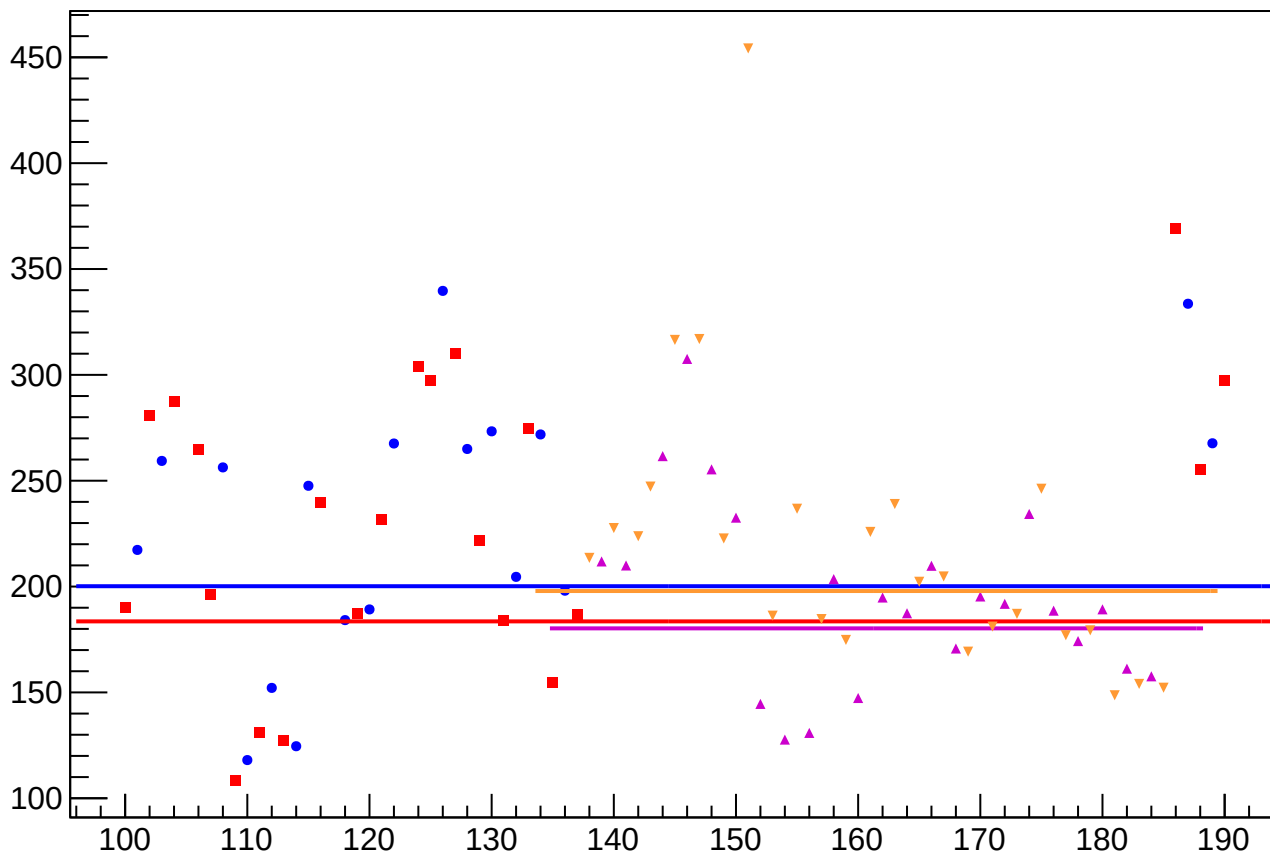
Left In: -120.888 ± 43.994 $\chi^2/\text{NDF}: 8.2/22$

+ sign 87.960 ± 39.581 $\chi^2/\text{NDF}: 33.3/42$

All: 16.055 ± 26.850 $\chi^2/\text{NDF}: 70.7/87$

- sign -45.237 ± 36.544 $\chi^2/\text{NDF}: 31.2/44$

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 200.163 $\pm$ 0.053 χ^2 /NDF: 1144306.6/17

Left Out: 197.890 $\pm$ 0.033 χ^2 /NDF: 1788849.3/24

Right Out: 183.552 $\pm$ 0.046 χ^2 /NDF: 2092977.1/21

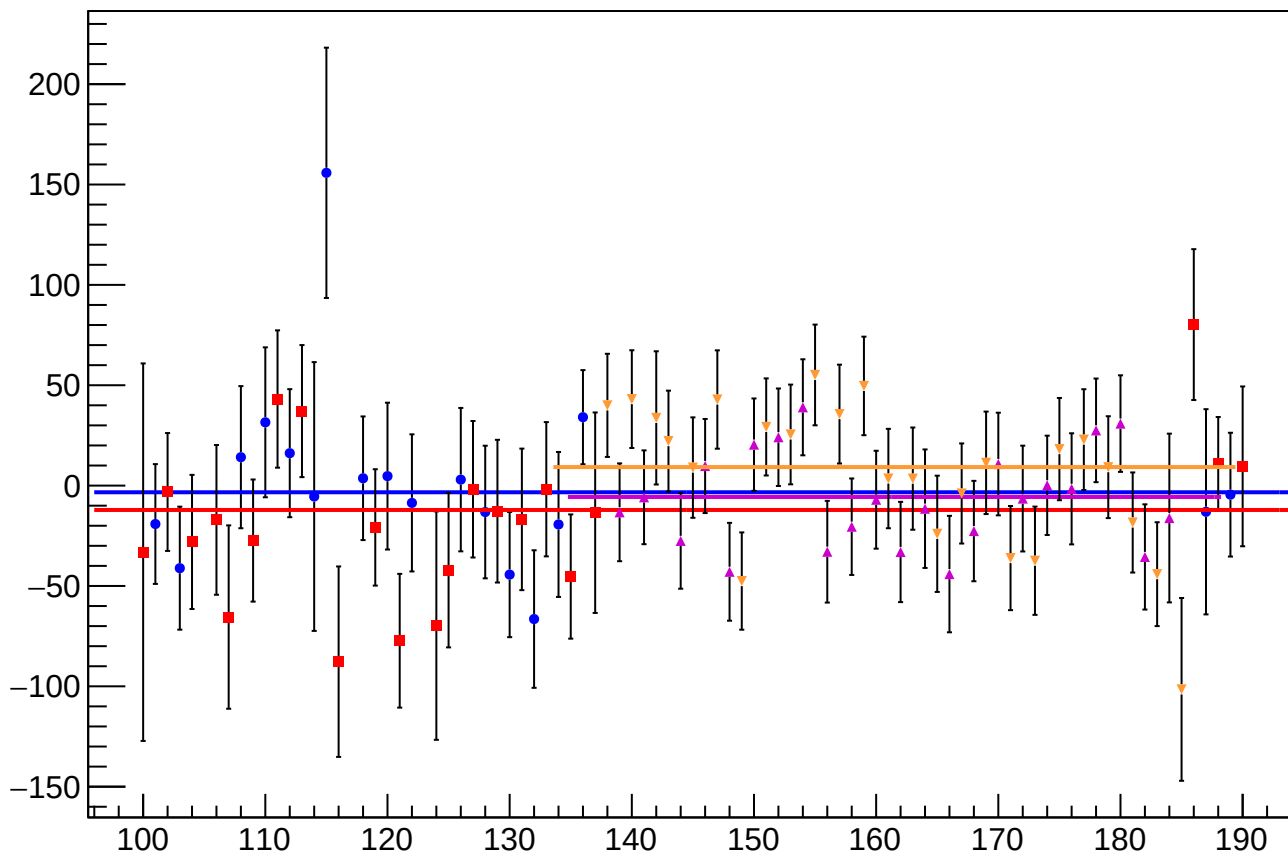
Left In: 180.248 $\pm$ 0.031 χ^2 /NDF: 1627777.0/22

+ sign 198.524 $\pm$ 0.028 χ^2 /NDF: 2934482.2/42

All: 189.211 $\pm$ 0.019 χ^2 /NDF: 6863843.1/87

- sign 181.272 $\pm$ 0.026 χ^2 /NDF: 3724252.3/44

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.323 ± 8.051 $\chi^2/\text{NDF}: 18.0/17$

Left Out: 9.234 ± 5.162 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -12.139 ± 7.514 $\chi^2/\text{NDF}: 23.6/21$

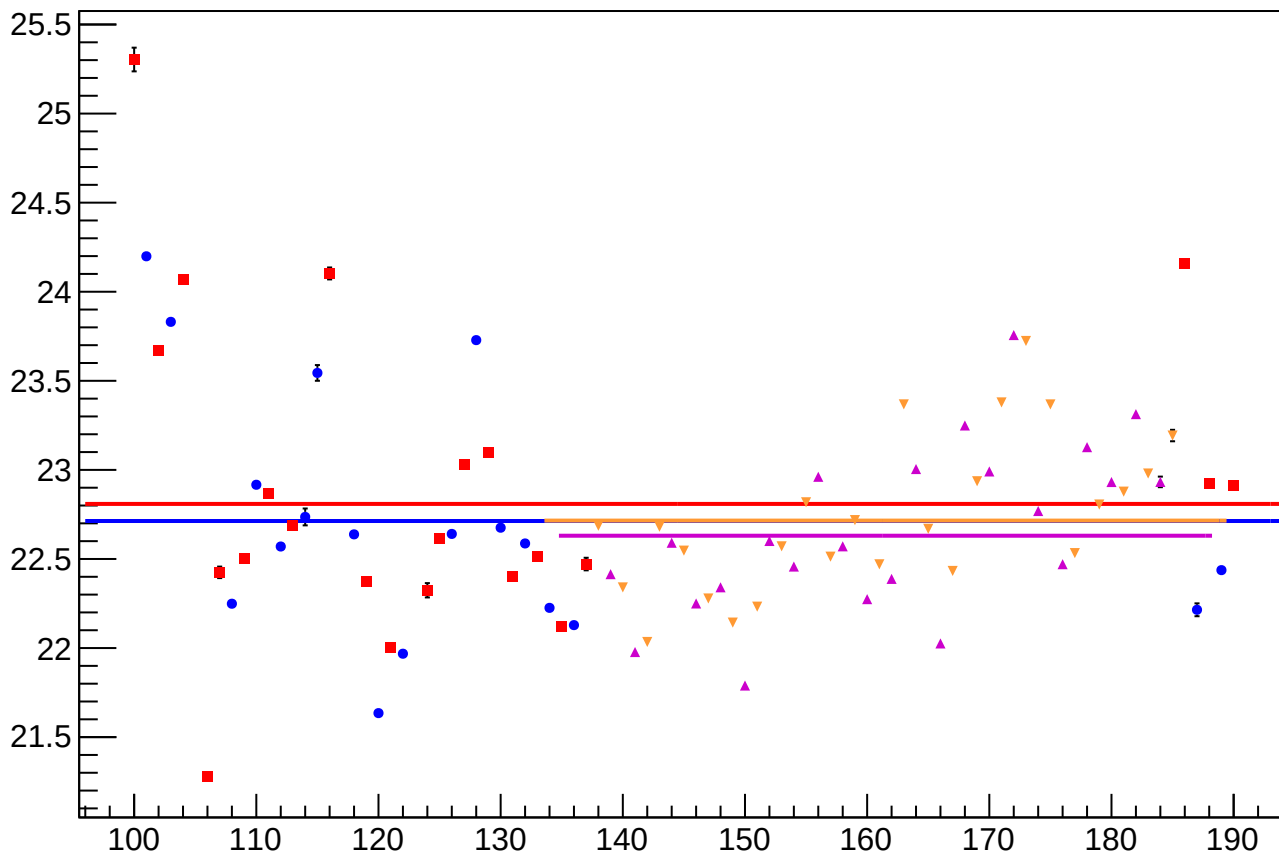
Left In: -5.668 ± 5.286 $\chi^2/\text{NDF}: 20.8/22$

+ sign 5.576 ± 4.346 $\chi^2/\text{NDF}: 59.1/42$

All: -1.151 ± 3.065 $\chi^2/\text{NDF}: 108.8/87$

- sign -7.810 ± 4.324 $\chi^2/\text{NDF}: 44.9/44$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.713 $\pm$ 0.006 χ^2 /NDF: 15005.8/17

Left Out: 22.715 $\pm$ 0.004 χ^2 /NDF:12181.4/24

Right Out: 22.809 $\pm$ 0.005 χ^2 /NDF: 17345.0/21

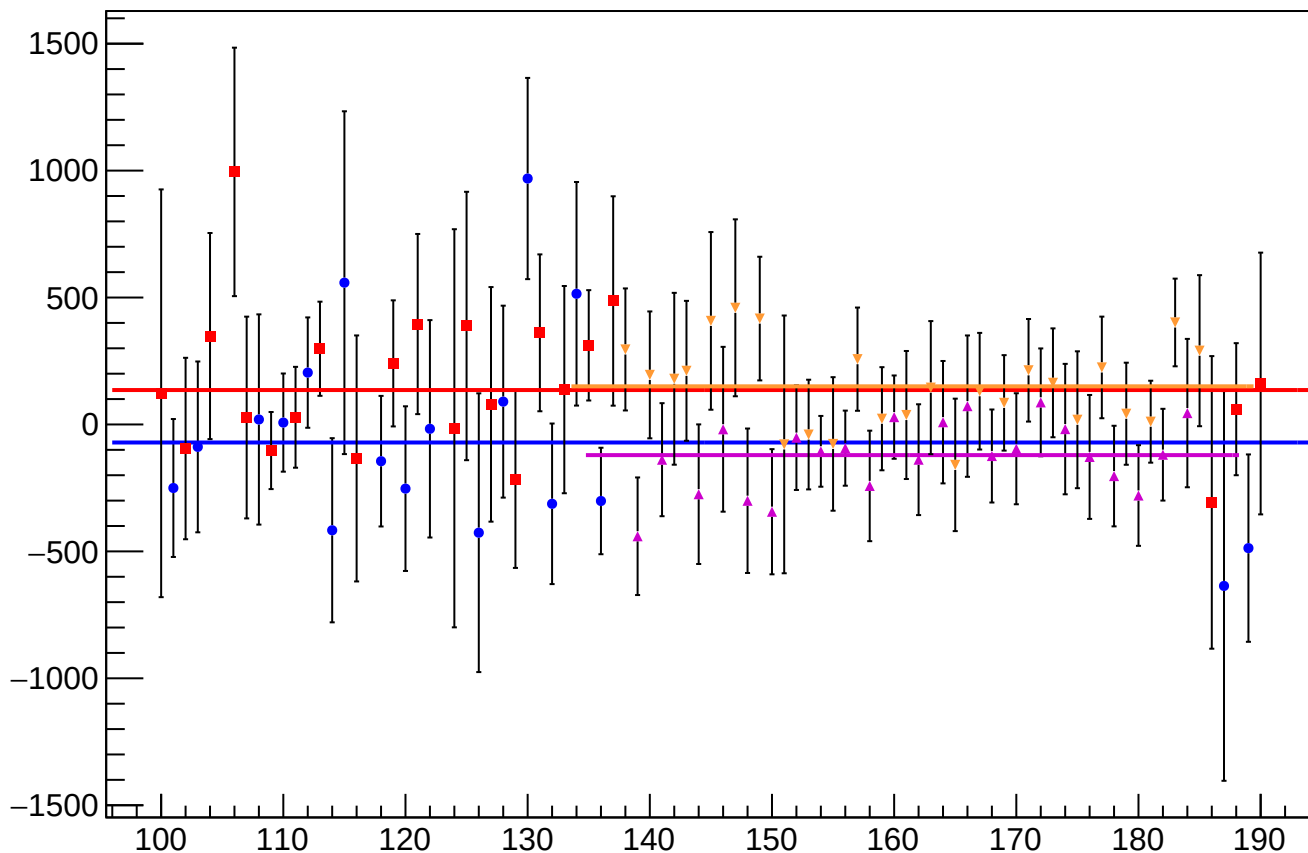
Left In: 22.631 $\pm$ 0.004 χ^2 /NDF:15391.4/22

+ sign 22.715 $\pm$ 0.003 χ^2 /NDF: 27187.4/42

All: 22.702 $\pm$ 0.002 χ^2 /NDF: 60712.2/87

- sign 22.690 $\pm$ 0.003 χ^2 /NDF: 33491.2/44

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -71.053+/-74.619 χ^2/NDF : 17.3/17

Left Out: 150.218+/-46.535 χ^2/NDF : 11.0/24

Right Out: 135.577+/-65.190 χ^2/NDF : 12.3/21

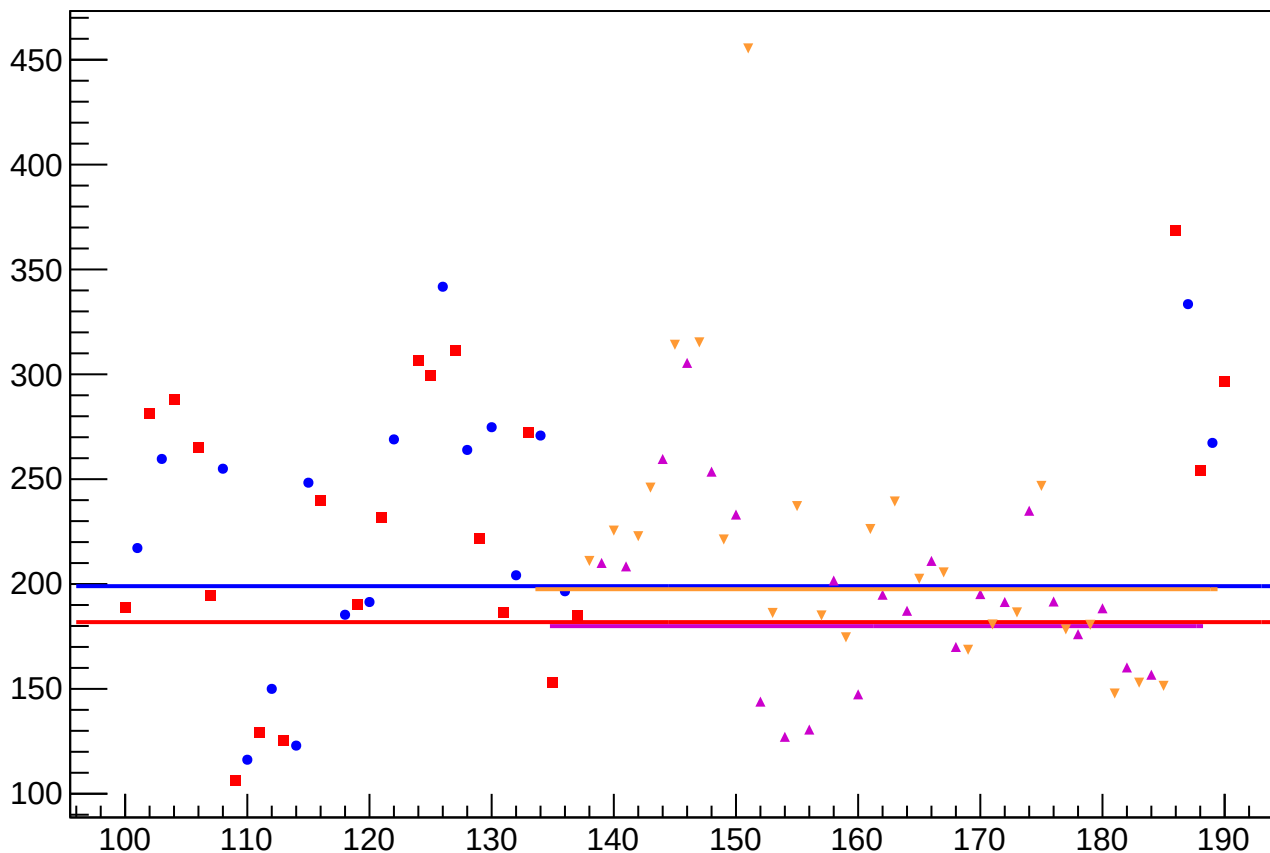
Left In: -120.760+/-43.920 χ^2/NDF : 7.9/22

+ sign 88.259+/-39.486 χ^2/NDF : 34.6/42

All: 18.569+/-26.773 χ^2/NDF : 71.2/87

- sign -40.733+/-36.425 χ^2/NDF : 30.8/44

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 198.986 $\pm$ 0.053 χ^2 /NDF: 1188435.4/17

Left Out: 197.534 $\pm$ 0.033 χ^2 /NDF:1789891.0/24

Right Out: 181.837 $\pm$ 0.046 χ^2 /NDF: 2174816.9/21

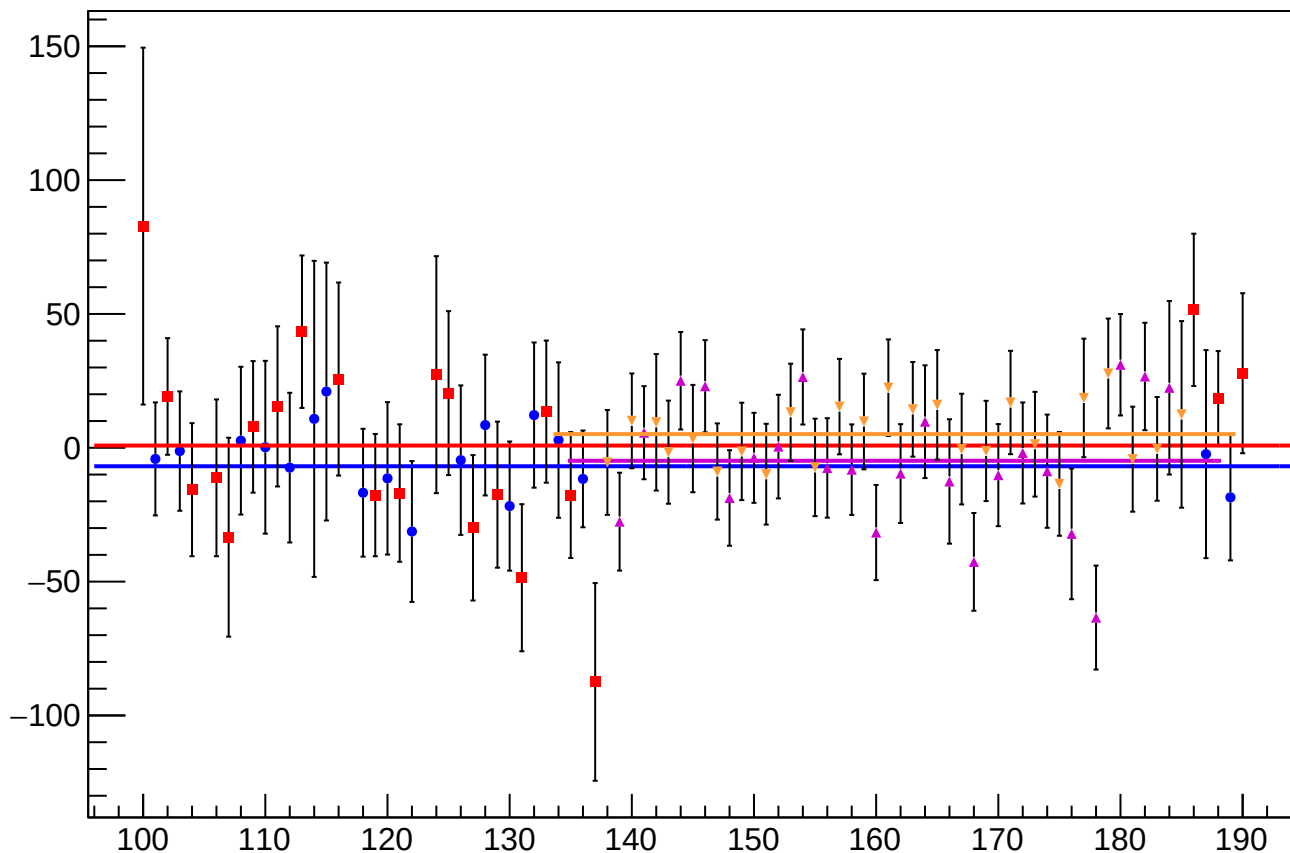
Left In: 179.923 $\pm$ 0.031 χ^2 /NDF:1624144.3/22

+ sign 197.941 $\pm$ 0.028 χ^2 /NDF: 2978871.9/42

All: 188.530 $\pm$ 0.019 χ^2 /NDF: 6989318.4/87

- sign 180.521 $\pm$ 0.026 χ^2 /NDF: 3800146.9/44

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.898 ± 6.265 $\chi^2/\text{NDF}: 3.4/17$

Left Out: 5.119 ± 3.890 $\chi^2/\text{NDF}: 7.9/24$

Right Out: 0.835 ± 5.858 $\chi^2/\text{NDF}: 25.1/21$

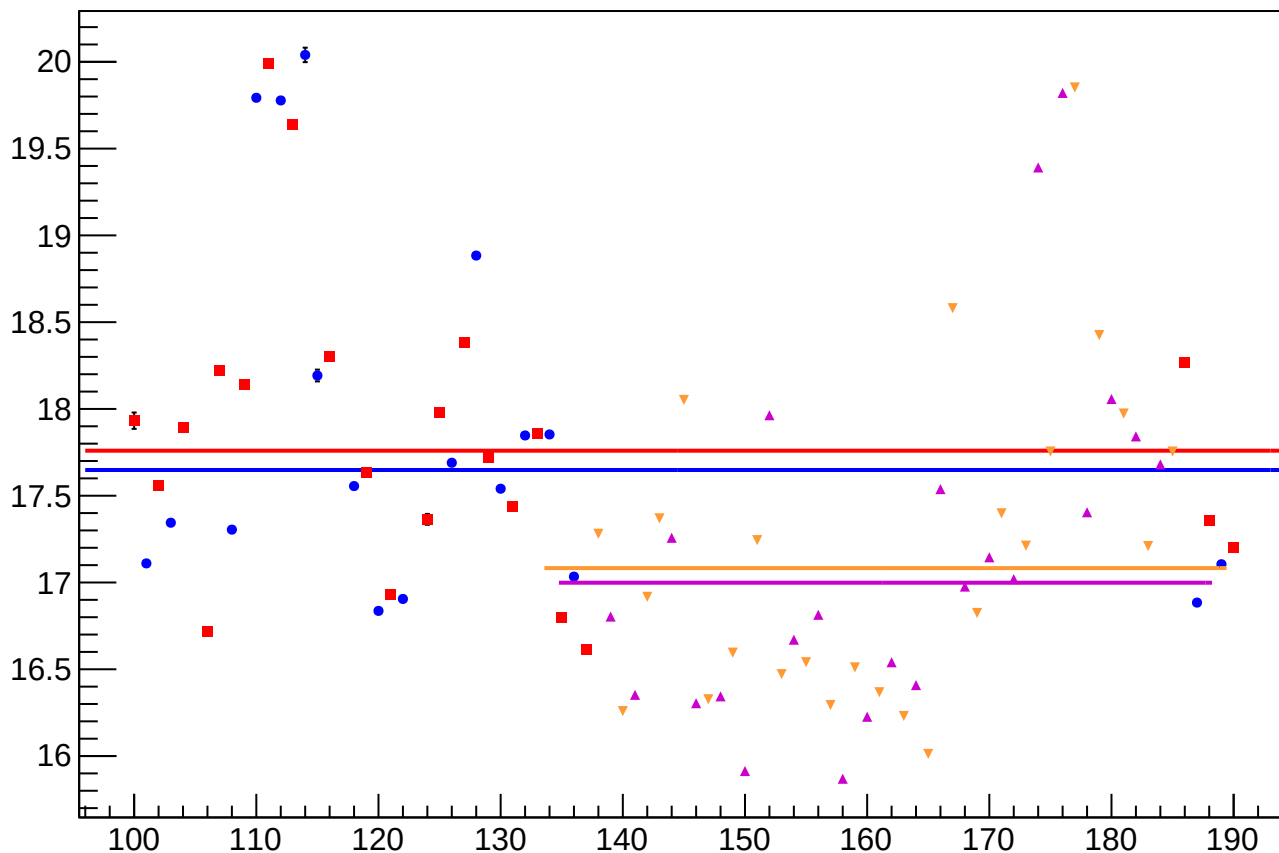
Left In: -4.858 ± 3.980 $\chi^2/\text{NDF}: 35.5/22$

+ sign 1.776 ± 3.305 $\chi^2/\text{NDF}: 14.0/42$

All: -0.651 ± 2.332 $\chi^2/\text{NDF}: 76.3/87$

- sign -3.060 ± 3.292 $\chi^2/\text{NDF}: 61.3/44$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.648 $\pm$ 0.004 χ^2 /NDF: 38009.9/17

Left Out: 17.083 $\pm$ 0.003 χ^2 /NDF: 96774.9/24

Right Out: 17.759 $\pm$ 0.004 χ^2 /NDF: 35212.2/21

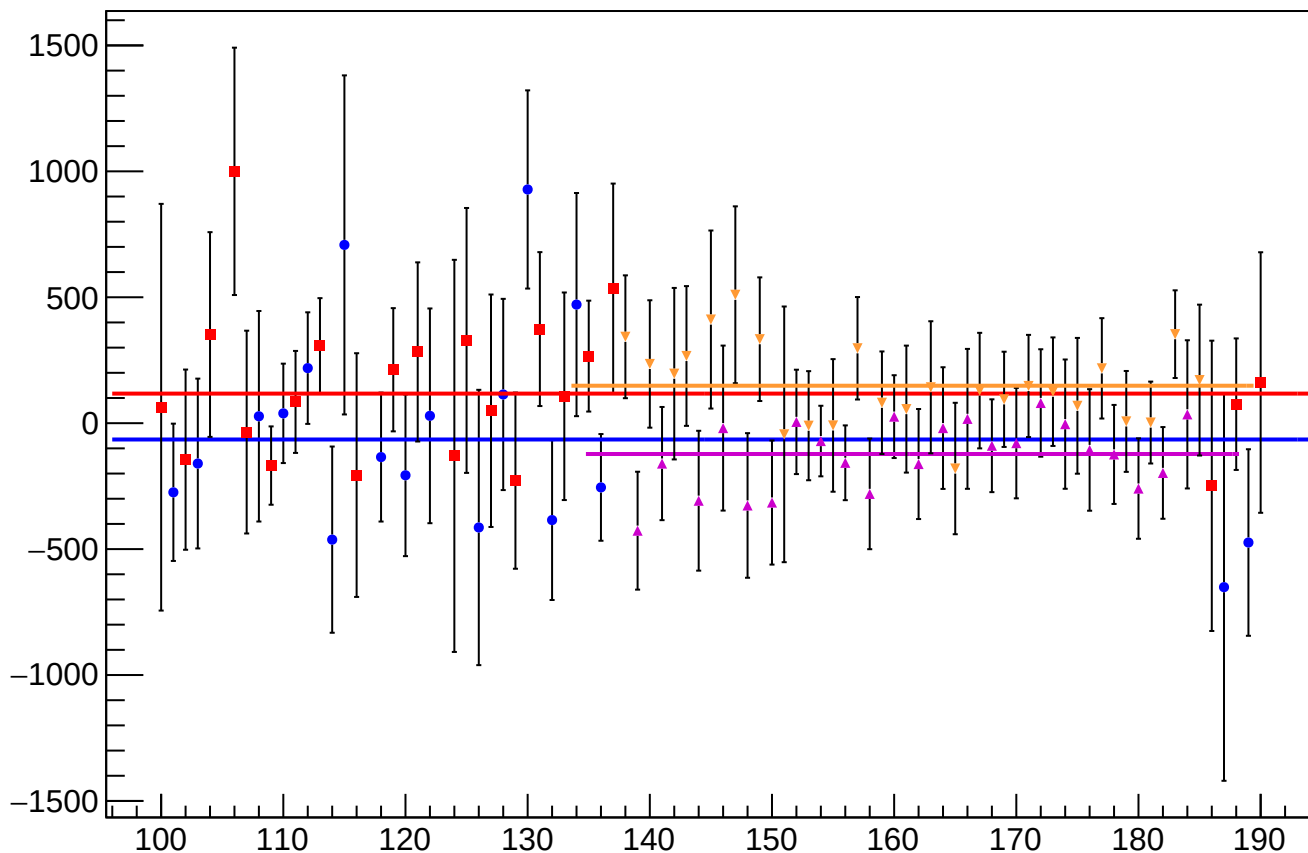
Left In: 16.999 $\pm$ 0.003 χ^2 /NDF: 104021.0/22

+ sign 17.240 $\pm$ 0.002 χ^2 /NDF: 146534.3/42

All: 17.240 $\pm$ 0.002 χ^2 /NDF: 308844.2/87

- sign 17.239 $\pm$ 0.002 χ^2 /NDF: 162309.8/44

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -64.760 ± 75.157 $\chi^2/\text{NDF}: 17.5/17$

Left Out: 148.758 ± 46.714 $\chi^2/\text{NDF}: 9.5/24$

Right Out: 117.452 ± 65.825 $\chi^2/\text{NDF}: 13.3/21$

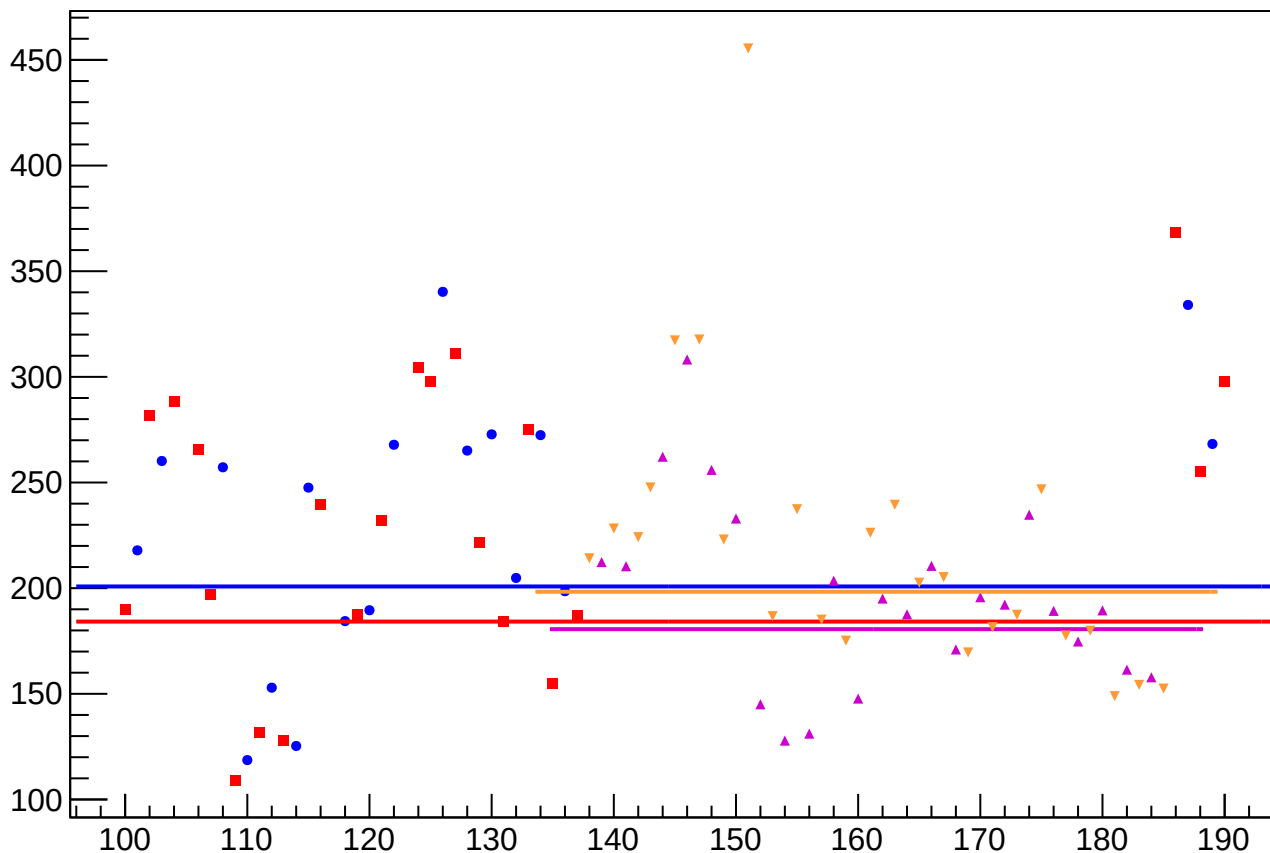
Left In: -122.376 ± 44.081 $\chi^2/\text{NDF}: 7.9/22$

+ sign 89.257 ± 39.675 $\chi^2/\text{NDF}: 32.9/42$

All: 15.088 ± 26.912 $\chi^2/\text{NDF}: 69.7/87$

- sign -48.122 ± 36.627 $\chi^2/\text{NDF}: 30.4/44$

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 200.809 ± 0.053 χ^2/NDF : 1133263.1/17

Left Out: 198.313 ± 0.033 χ^2/NDF : 1790279.4/24

Right Out: 184.185 ± 0.047 χ^2/NDF : 2076220.4/21

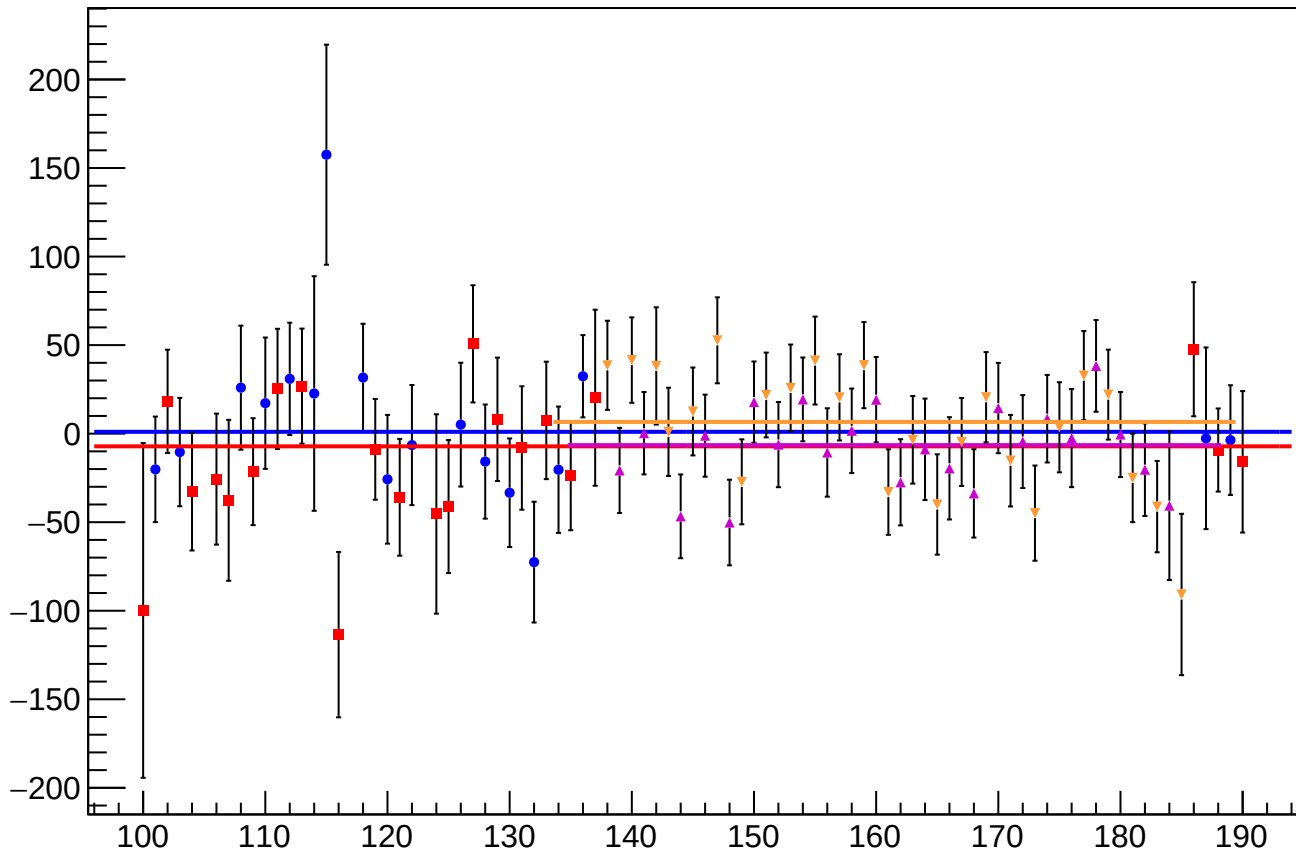
Left In: 180.601 ± 0.031 χ^2/NDF : 1628072.3/22

+ sign 199.009 ± 0.028 χ^2/NDF : 2925133.1/42

All: 189.670 ± 0.019 χ^2/NDF : 6838765.9/87

- sign 181.711 ± 0.026 χ^2/NDF : 3708385.9/44

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.036 ± 7.982 $\chi^2/\text{NDF}: 18.7/17$

Left Out: 6.611 ± 5.117 $\chi^2/\text{NDF}: 36.9/24$

Right Out: -7.165 ± 7.449 $\chi^2/\text{NDF}: 18.7/21$

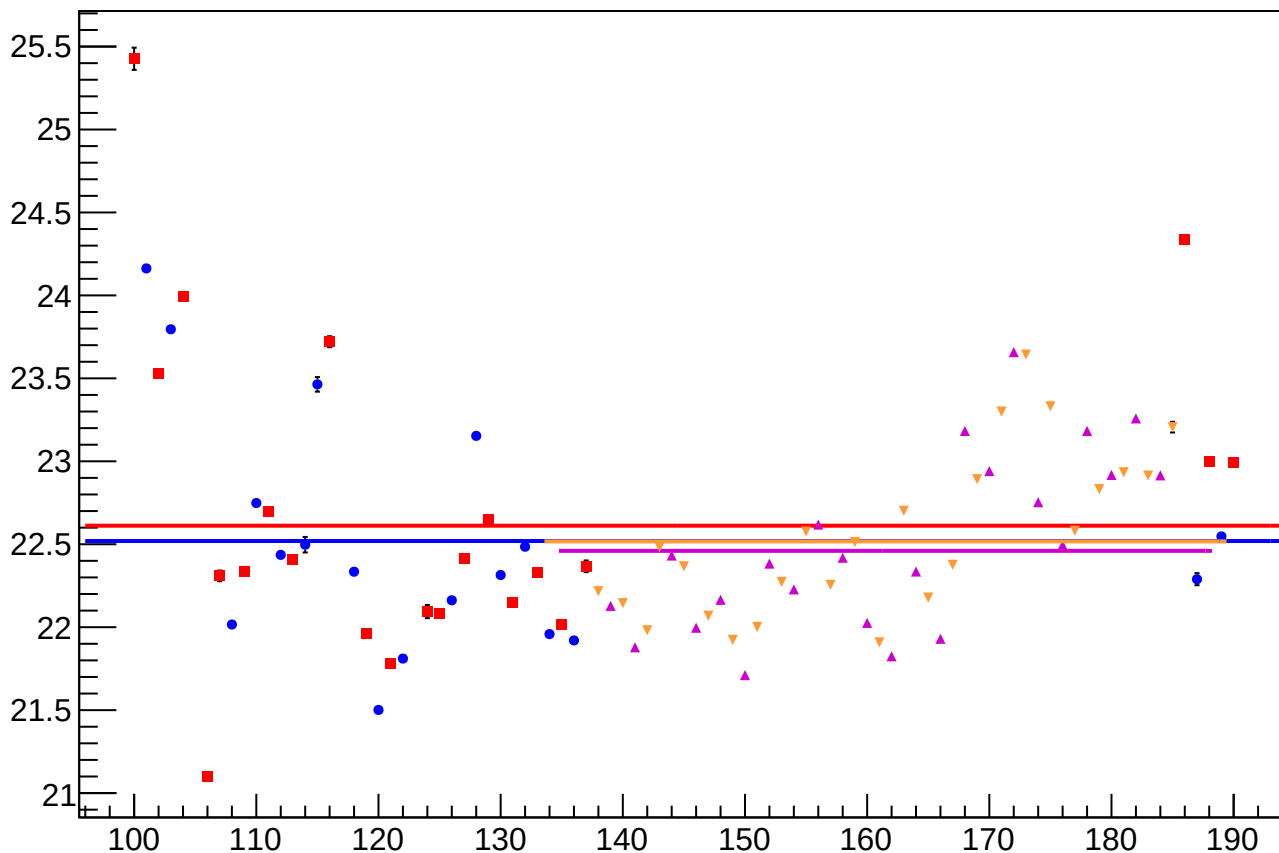
Left In: -6.482 ± 5.247 $\chi^2/\text{NDF}: 17.4/22$

+ sign 4.987 ± 4.308 $\chi^2/\text{NDF}: 55.9/42$

All: -0.886 ± 3.040 $\chi^2/\text{NDF}: 95.8/87$

- sign -6.708 ± 4.289 $\chi^2/\text{NDF}: 36.1/44$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.519 $\pm$ 0.006 χ^2 /NDF: 15990.2/17

Left Out: 22.517 $\pm$ 0.004 χ^2 /NDF:16002.5/24

Right Out: 22.612 $\pm$ 0.005 χ^2 /NDF: 21130.3/21

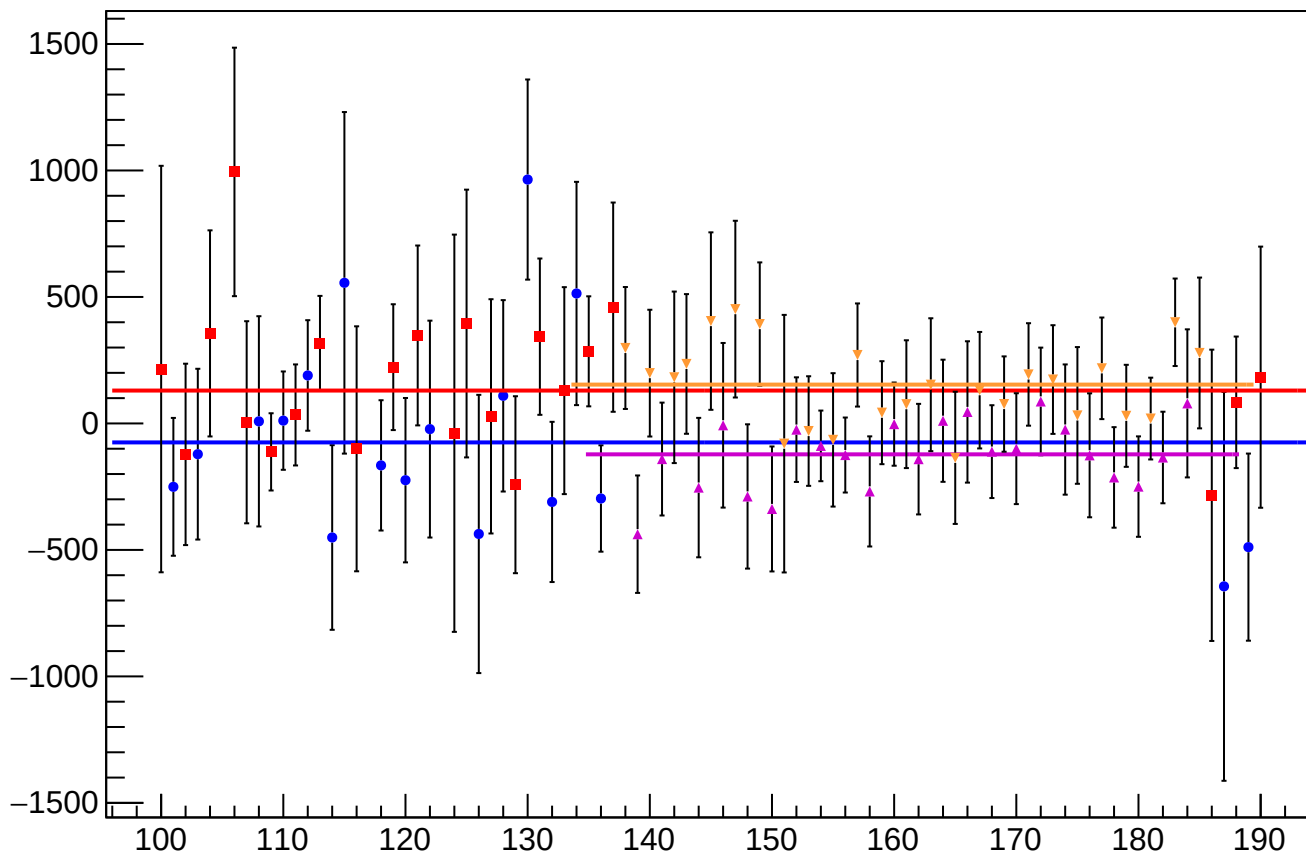
Left In: 22.460 $\pm$ 0.004 χ^2 /NDF:19117.2/22

+ sign 22.518 $\pm$ 0.003 χ^2 /NDF: 31992.7/42

All: 22.514 $\pm$ 0.002 χ^2 /NDF: 72797.4/87

- sign 22.511 $\pm$ 0.003 χ^2 /NDF: 40801.6/44

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -75.018 $\pm$ 74.837 χ^2 /NDF: 17.2/17

Left Out: 153.507 $\pm$ 46.636 χ^2 /NDF:10.1/24

Right Out: 129.994 $\pm$ 65.386 χ^2 /NDF: 12.2/21

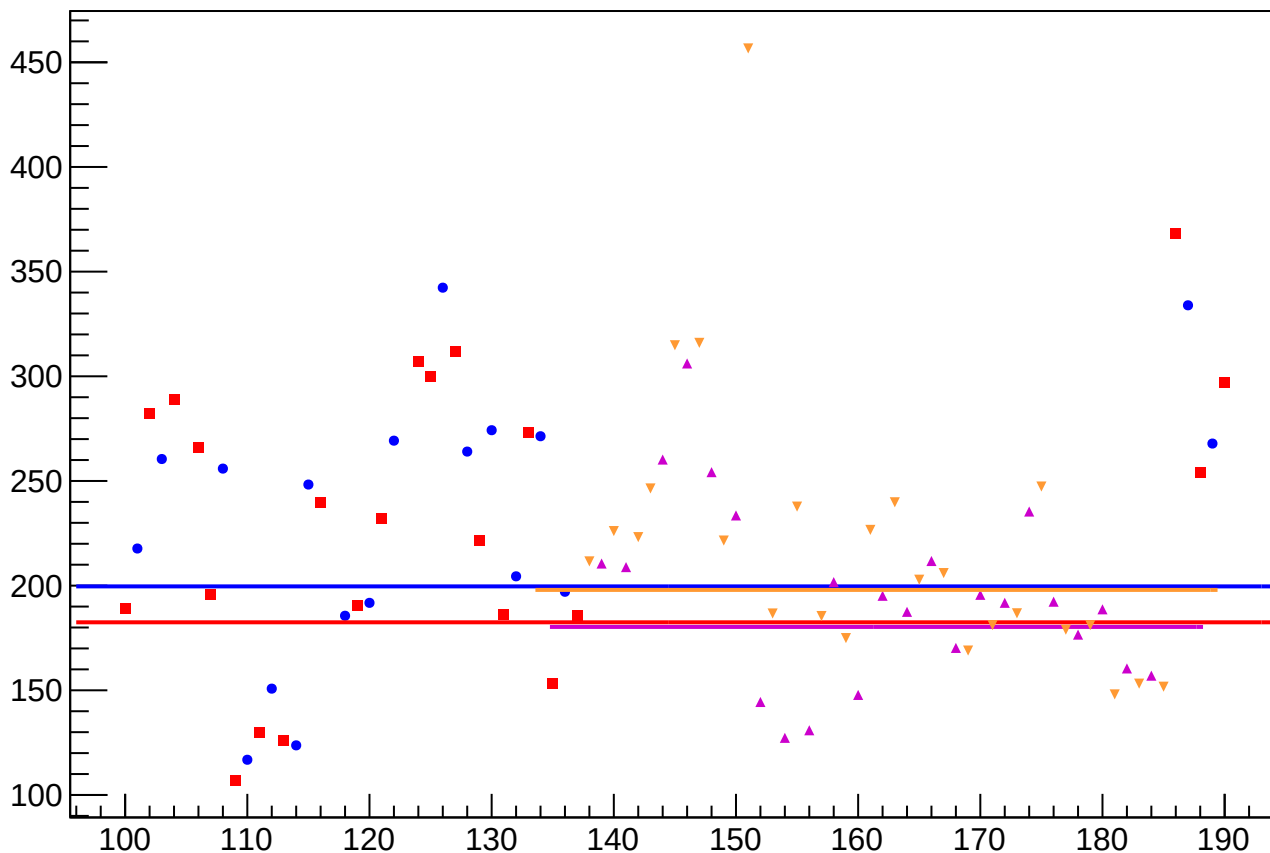
Left In: -122.165 $\pm$ 44.006 χ^2 /NDF:7.5/22

+ sign 89.586 $\pm$ 39.580 χ^2 /NDF: 34.0/42

All: 17.649 $\pm$ 26.835 χ^2 /NDF: 70.0/87

- sign -43.554 $\pm$ 36.508 χ^2 /NDF: 29.9/44

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 199.643 $\pm$ 0.053 χ^2/NDF : 1176738.0/17

Left Out: 197.957 $\pm$ 0.033 χ^2/NDF : 1791354.6/24

Right Out: 182.483 $\pm$ 0.046 χ^2/NDF : 2157127.8/21

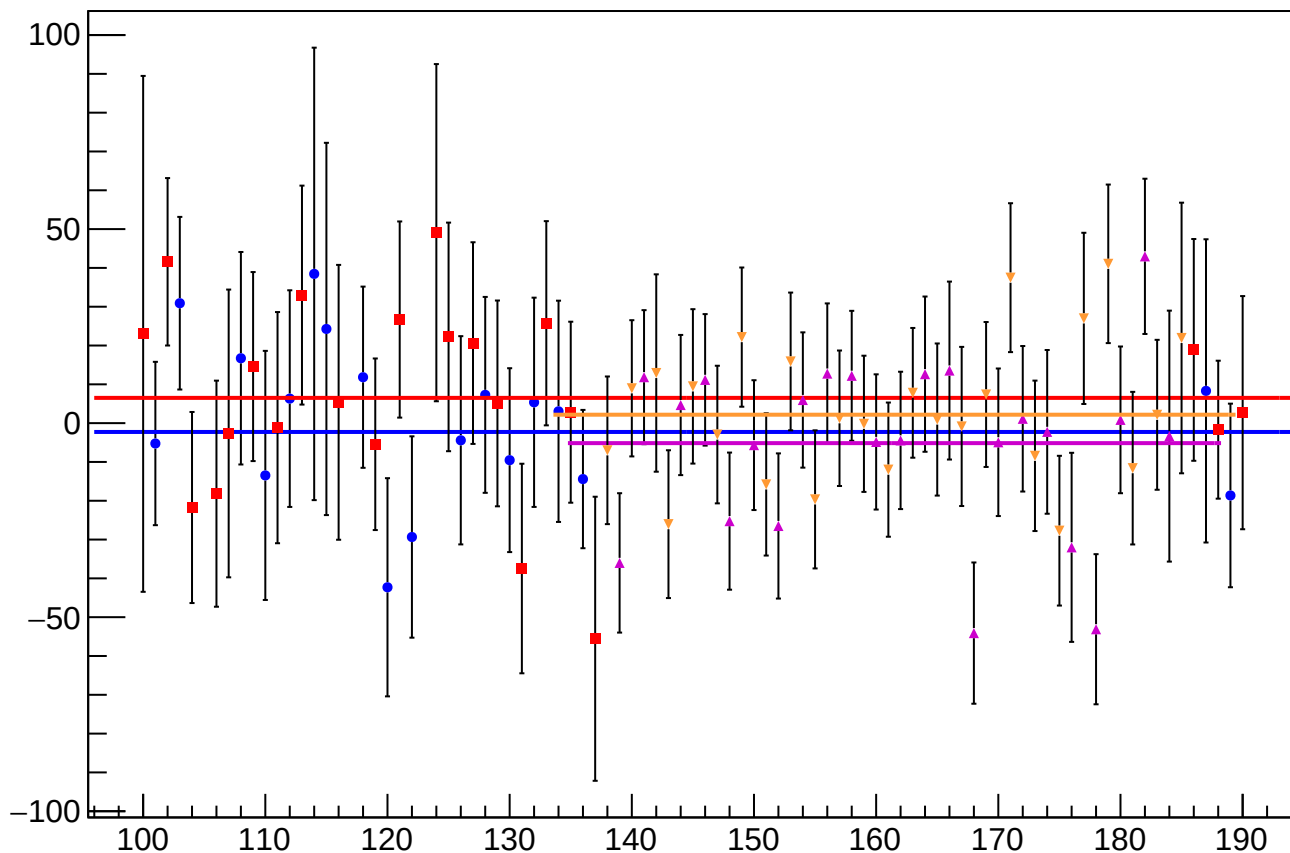
Left In: 180.274 $\pm$ 0.031 χ^2/NDF : 1624682.7/22

+ sign 198.429 $\pm$ 0.028 χ^2/NDF : 2968823.3/42

All: 188.992 $\pm$ 0.019 χ^2/NDF : 6962629.2/87

- sign 180.963 $\pm$ 0.026 χ^2/NDF : 3783381.6/44

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.273 ± 6.187 χ^2/NDF : 8.6/17

Left Out: 2.174 ± 3.825 χ^2/NDF : 20.0/24

Right Out: 6.510 ± 5.783 χ^2/NDF : 14.8/21

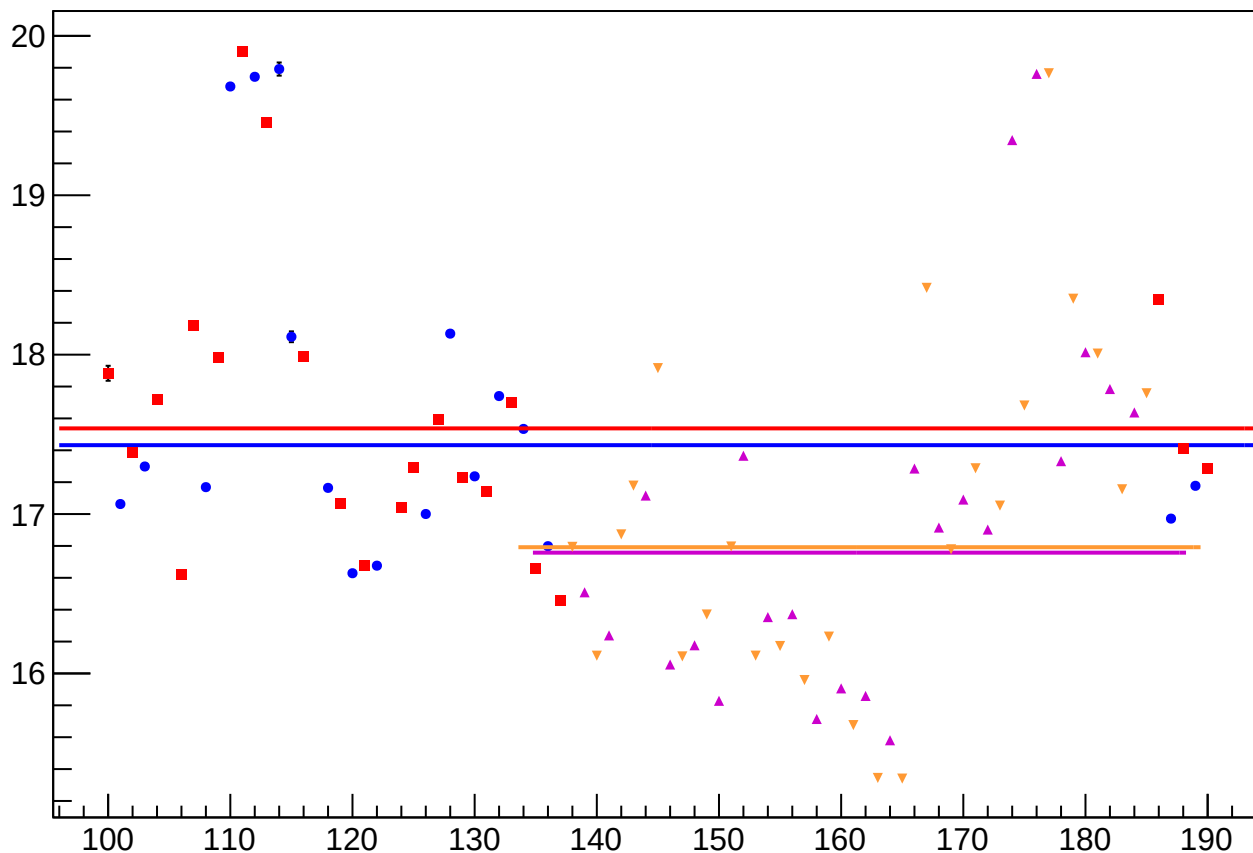
Left In: -5.150 ± 3.924 χ^2/NDF : 32.3/22

+ sign 0.944 ± 3.254 χ^2/NDF : 28.9/42

All: -0.267 ± 2.298 χ^2/NDF : 79.1/87

- sign -1.474 ± 3.247 χ^2/NDF : 49.9/44

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.432 $\pm$ 0.004 χ^2 /NDF: 37209.2/17

Left Out: 16.792 $\pm$ 0.003 χ^2 /NDF:137000.5/24

Right Out: 17.537 $\pm$ 0.004 χ^2 /NDF: 36572.4/21

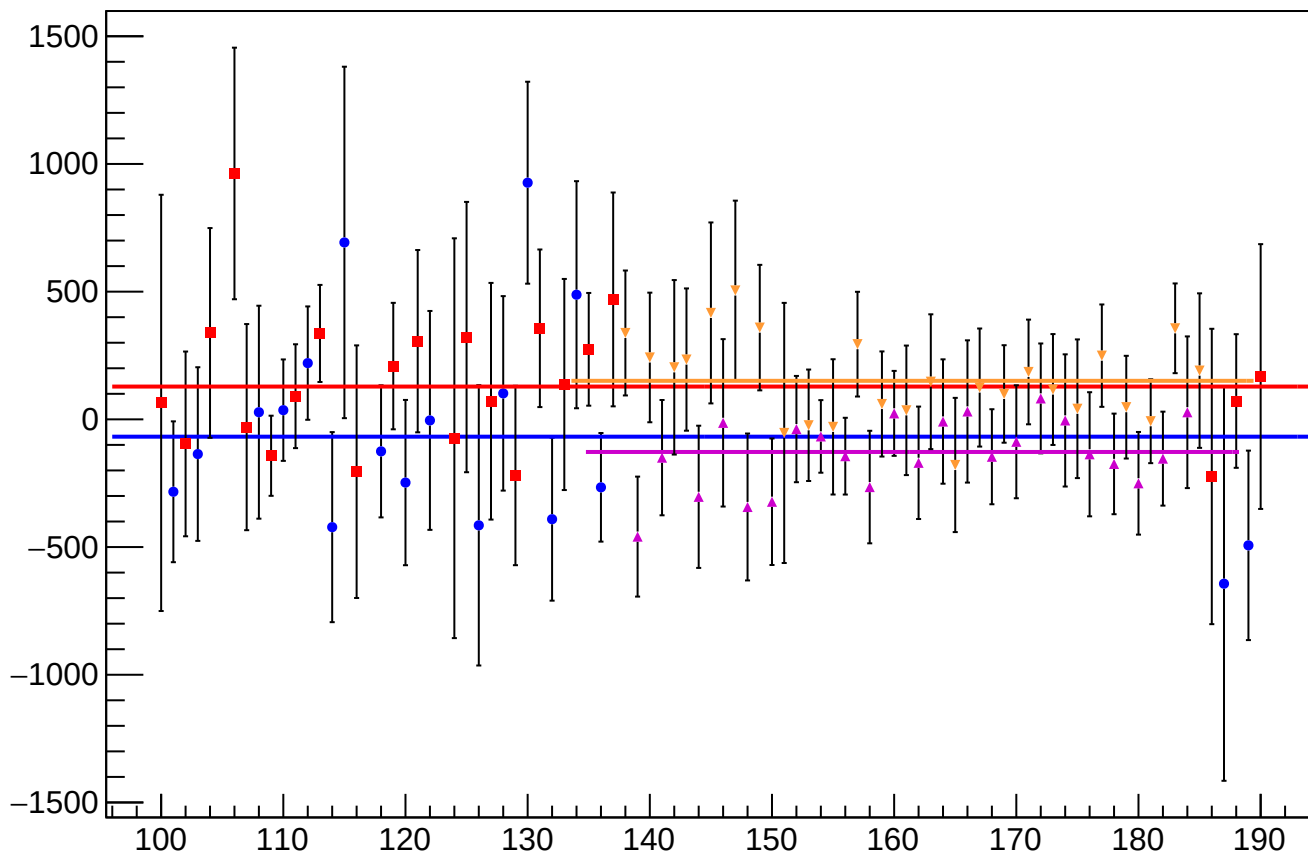
Left In: 16.758 $\pm$ 0.003 χ^2 /NDF:123306.8/22

+ sign 16.969 $\pm$ 0.002 χ^2 /NDF: 189701.2/42

All: 16.986 $\pm$ 0.002 χ^2 /NDF: 374582.0/87

- sign 17.004 $\pm$ 0.002 χ^2 /NDF: 184767.6/44

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -67.819 $\pm$ 75.575 χ^2 /NDF: 17.4/17

Left Out: 150.884 $\pm$ 47.035 χ^2 /NDF:10.0/24

Right Out: 128.394 $\pm$ 66.224 χ^2 /NDF: 12.0/21

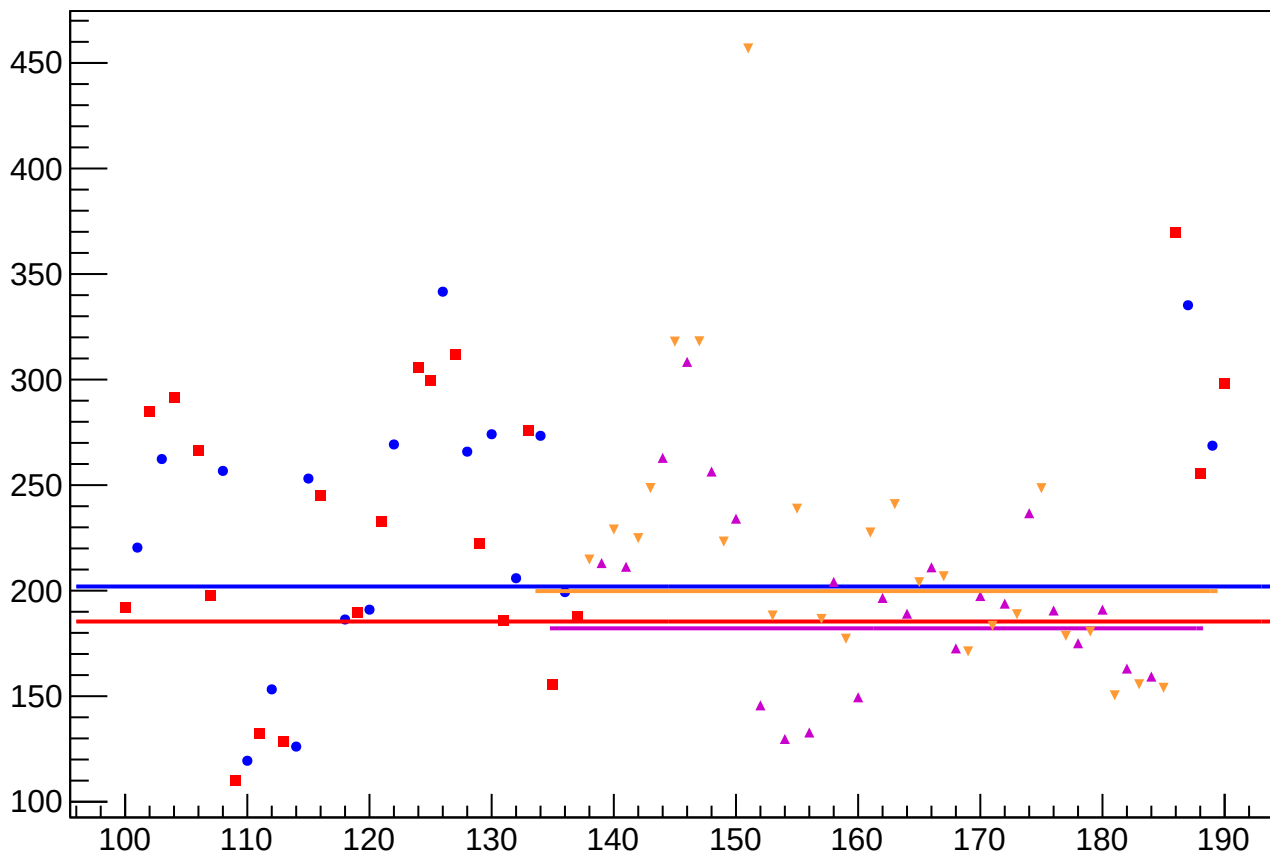
Left In: -127.710 $\pm$ 44.426 χ^2 /NDF:7.8/22

+ sign 89.824 $\pm$ 39.933 χ^2 /NDF: 33.4/42

All: 15.346 $\pm$ 27.099 χ^2 /NDF: 70.0/87

- sign -48.226 $\pm$ 36.894 χ^2 /NDF: 30.1/44

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 201.973 $\pm$ 0.053 χ^2/NDF : 1130700.3/17

Left Out: 199.785 $\pm$ 0.033 χ^2/NDF : 1760326.2/24

Right Out: 185.382 $\pm$ 0.047 χ^2/NDF : 2071802.6/21

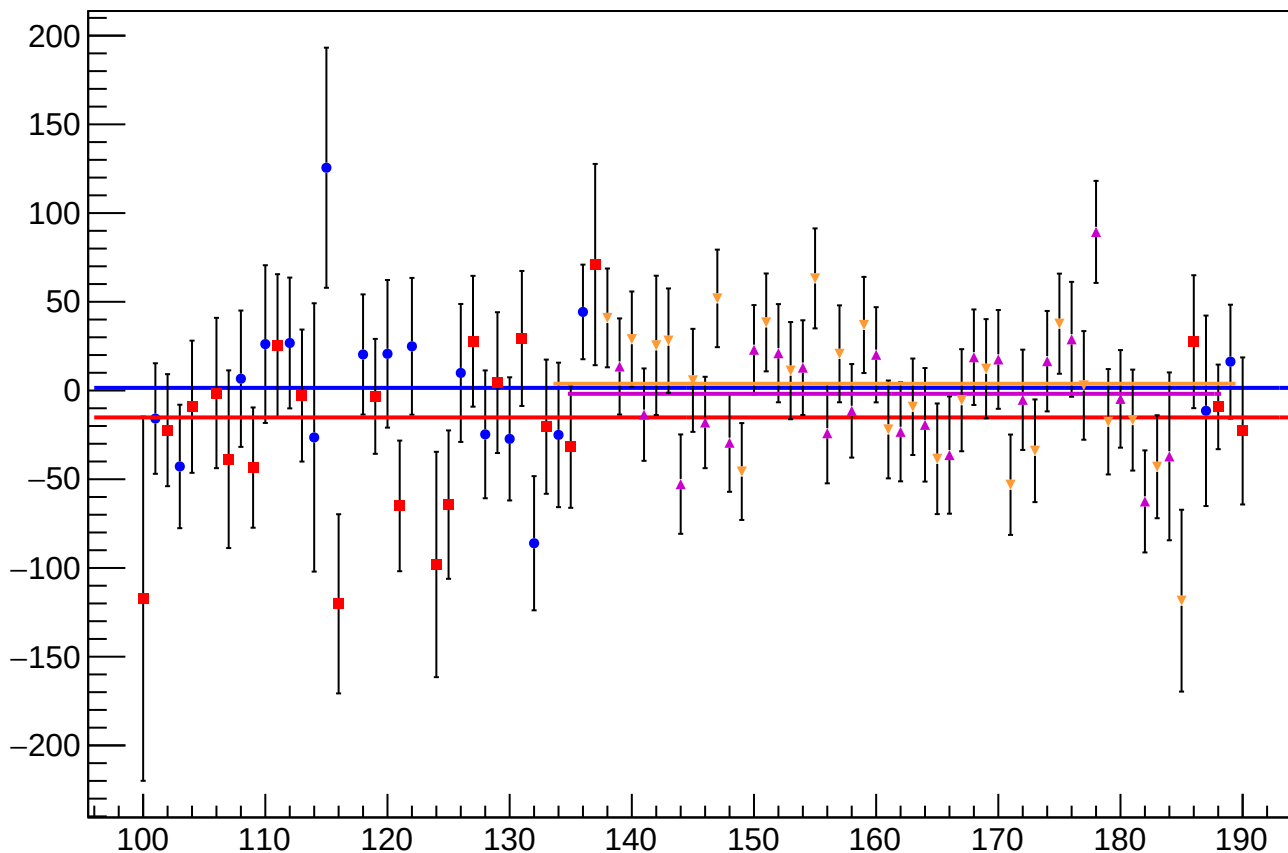
Left In: 182.150 $\pm$ 0.031 χ^2/NDF : 1584358.1/22

+ sign 200.396 $\pm$ 0.028 χ^2/NDF : 2892234.9/42

All: 191.093 $\pm$ 0.019 χ^2/NDF : 6752848.0/87

- sign 183.153 $\pm$ 0.026 χ^2/NDF : 3659445.6/44

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 1.492 ± 8.915 $\chi^2/\text{NDF}: 17.0/17$

Left Out: 3.831 ± 5.789 $\chi^2/\text{NDF}: 37.6/24$

Right Out: -15.159 ± 8.207 $\chi^2/\text{NDF}: 19.5/21$

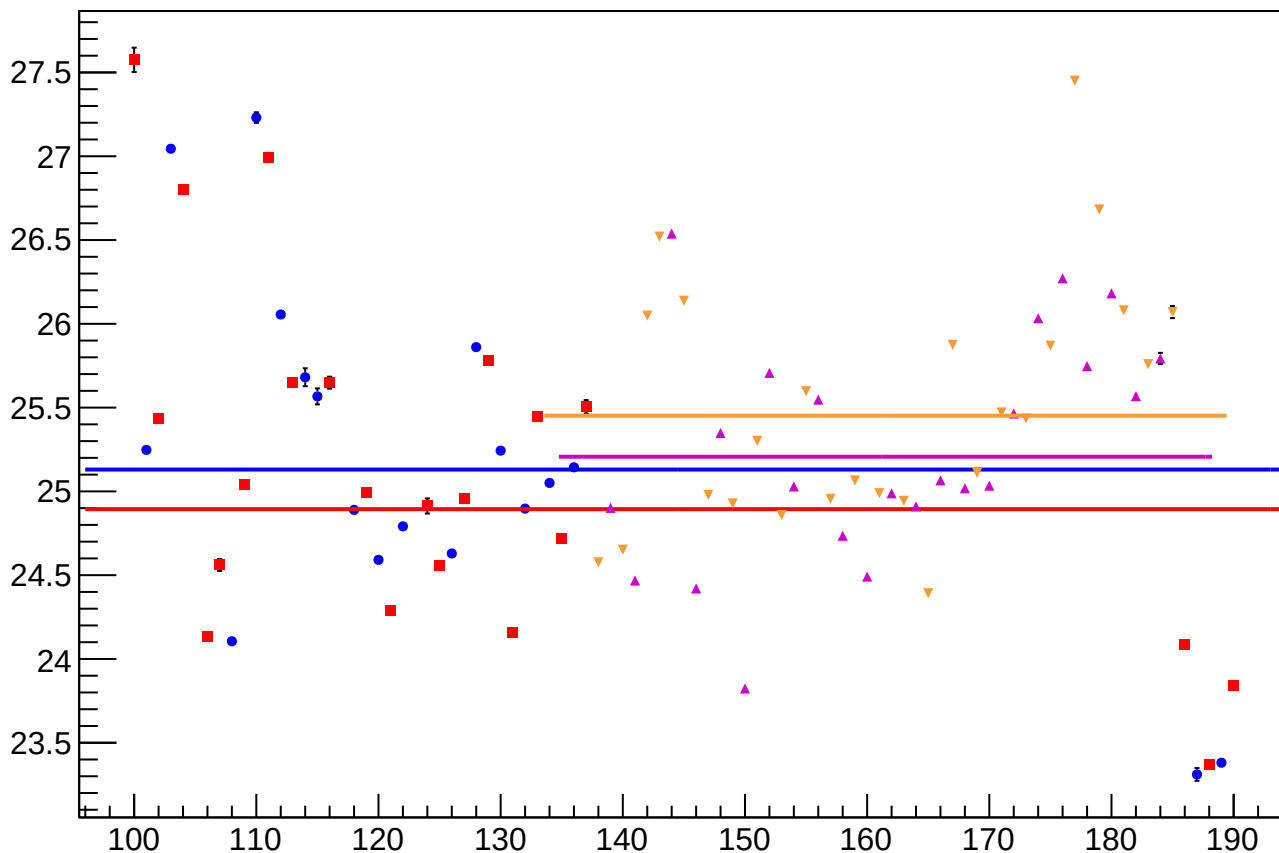
Left In: -1.850 ± 5.893 $\chi^2/\text{NDF}: 28.1/22$

+ sign 3.137 ± 4.855 $\chi^2/\text{NDF}: 54.7/42$

All: -1.688 ± 3.409 $\chi^2/\text{NDF}: 105.9/87$

- sign -6.378 ± 4.787 $\chi^2/\text{NDF}: 49.3/44$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.130 $\pm$ 0.006 χ^2 /NDF: 23513.5/17

Left Out: 25.452 $\pm$ 0.004 χ^2 /NDF: 29612.4/24

Right Out: 24.894 $\pm$ 0.006 χ^2 /NDF: 28149.8/21

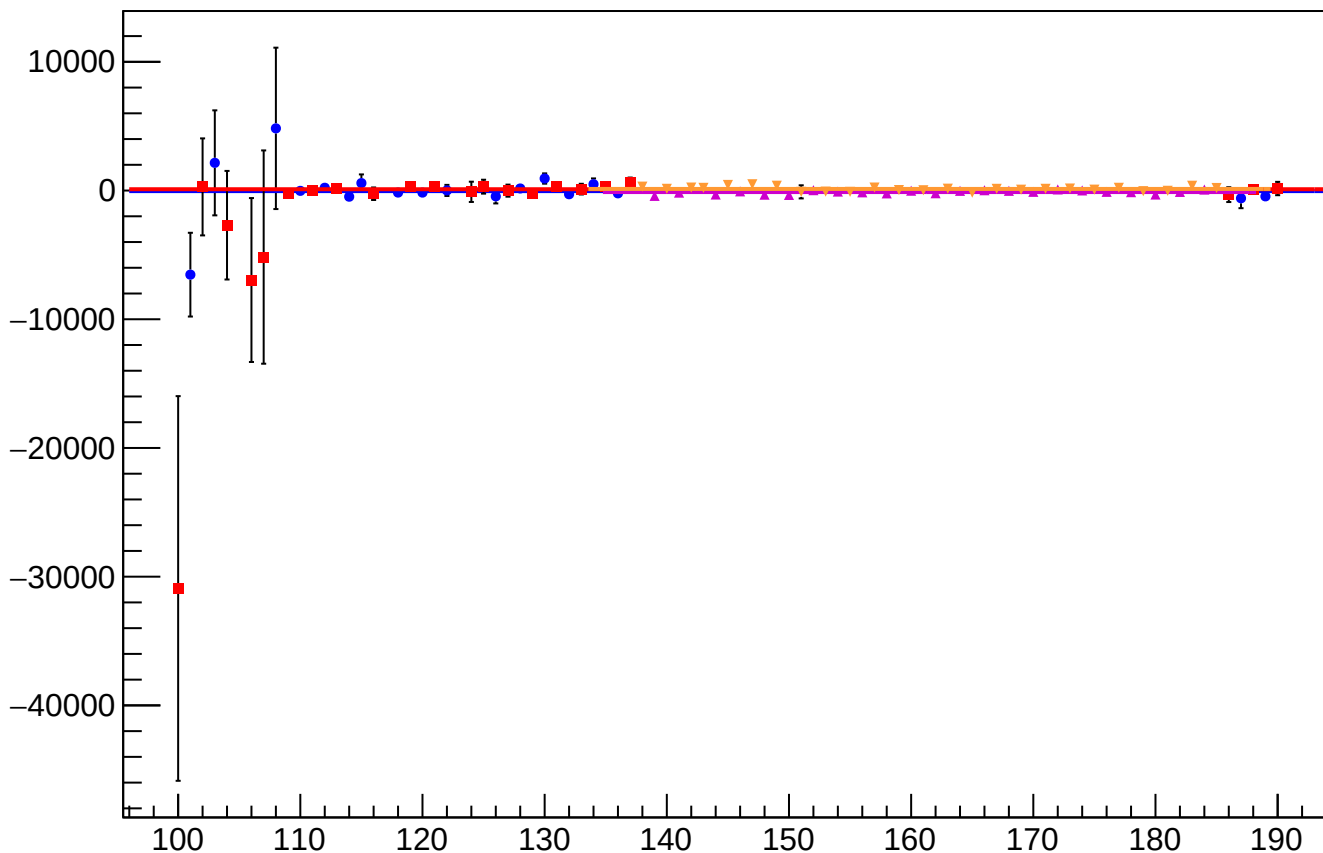
Left In: 25.207 $\pm$ 0.004 χ^2 /NDF: 25827.4/22

+ sign 25.356 $\pm$ 0.003 χ^2 /NDF: 54955.8/42

All: 25.227 $\pm$ 0.002 χ^2 /NDF: 113670.9/87

- sign 25.100 $\pm$ 0.003 χ^2 /NDF: 55894.1/44

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -43.428 ± 82.109 χ^2/NDF : 20.1/17

Left Out: 125.161 ± 46.925 χ^2/NDF : 11.1/24

Right Out: 102.348 ± 73.460 χ^2/NDF : 14.6/21

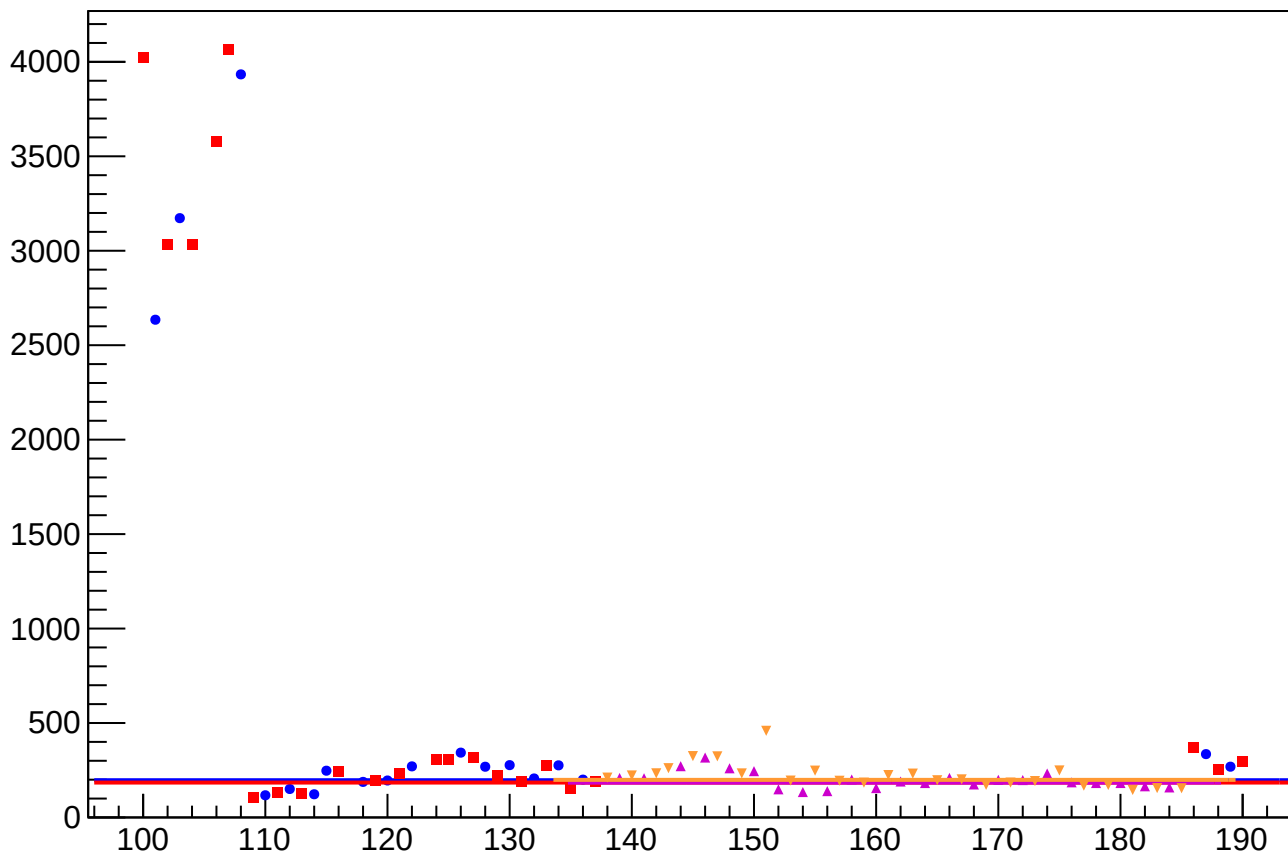
Left In: -117.291 ± 44.871 χ^2/NDF : 8.0/22

+ sign 83.654 ± 40.741 χ^2/NDF : 34.4/42

All: 8.650 ± 27.903 χ^2/NDF : 69.9/87

- sign -57.609 ± 38.293 χ^2/NDF : 29.1/44

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 197.131 $\pm$ 0.058 χ^2 /NDF: 3968536.0/17

Left Out: 198.994 $\pm$ 0.033 χ^2 /NDF: 1902155.1/24

Right Out: 184.727 $\pm$ 0.052 χ^2 /NDF: 4797560.2/21

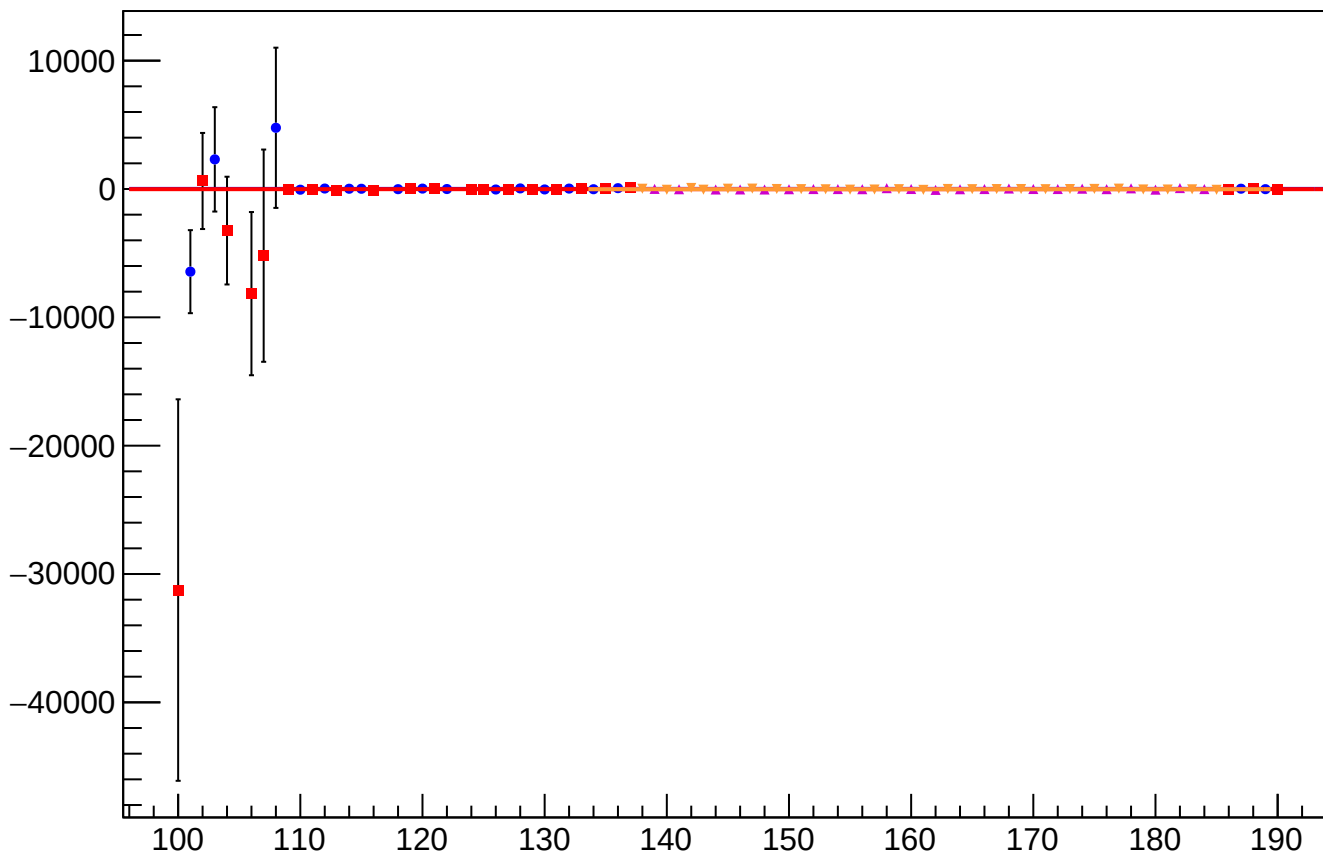
Left In: 184.399 $\pm$ 0.032 χ^2 /NDF: 1446306.0/22

+ sign 198.535 $\pm$ 0.029 χ^2 /NDF: 5871467.4/42

All: 191.077 $\pm$ 0.020 χ^2 /NDF: 12241600.9/87

- sign 184.488 $\pm$ 0.027 χ^2 /NDF: 6243895.3/44

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 7.783 $\pm$ 10.962 χ^2 /NDF: 16.4/17

Left Out: -14.827 $\pm$ 6.512 χ^2 /NDF: 22.2/24

Right Out: -13.127 $\pm$ 10.407 χ^2 /NDF: 26.8/21

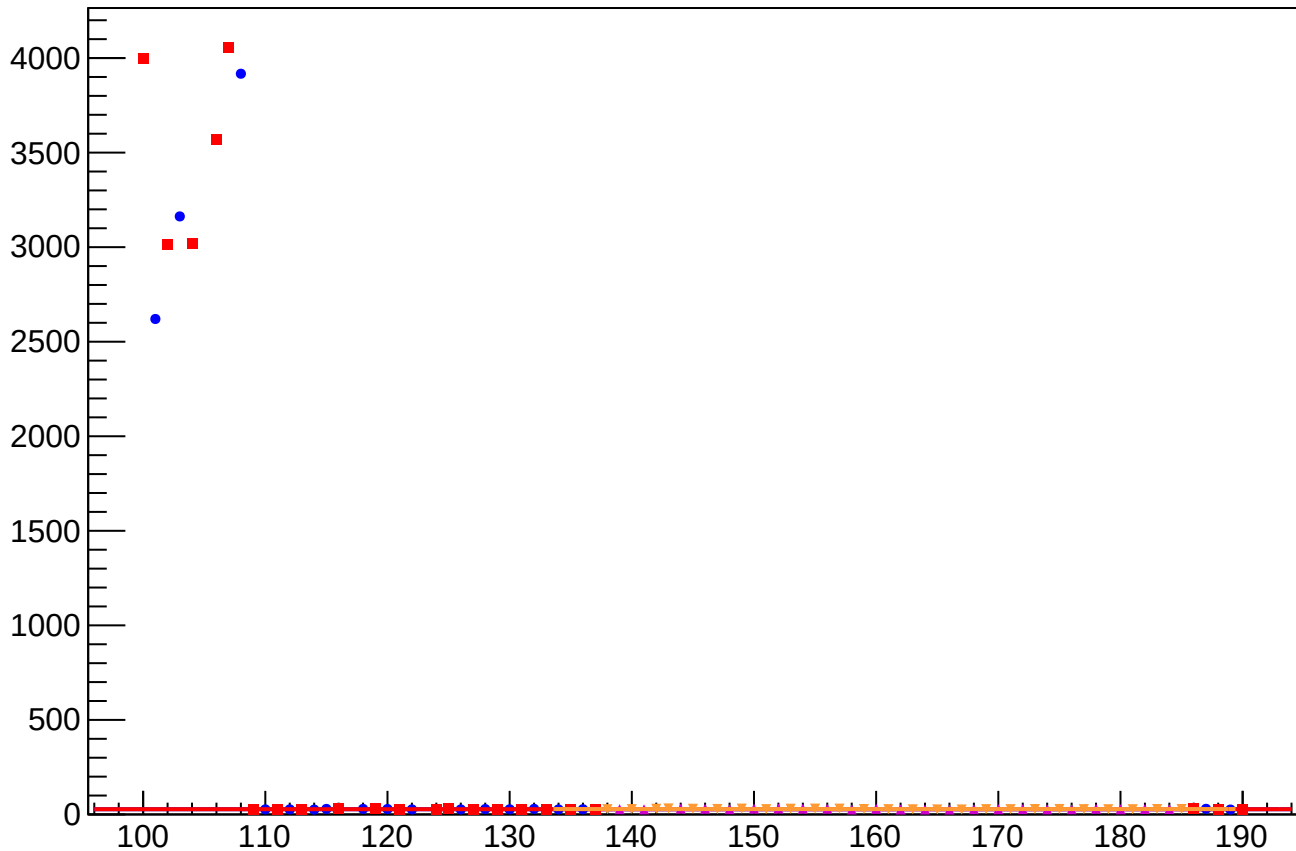
Left In: -2.172 $\pm$ 6.703 χ^2 /NDF: 28.3/22

+ sign -8.930 $\pm$ 5.598 χ^2 /NDF: 41.8/42

All: -7.169 $\pm$ 3.972 χ^2 /NDF: 97.8/87

- sign -5.385 $\pm$ 5.636 χ^2 /NDF: 55.8/44

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.530 $\pm$ 0.008 χ^2 /NDF: 3271916.3/17

Left Out: 28.586 $\pm$ 0.005 χ^2 /NDF: 88130.9/24

Right Out: 27.741 $\pm$ 0.007 χ^2 /NDF: 3575214.4/21

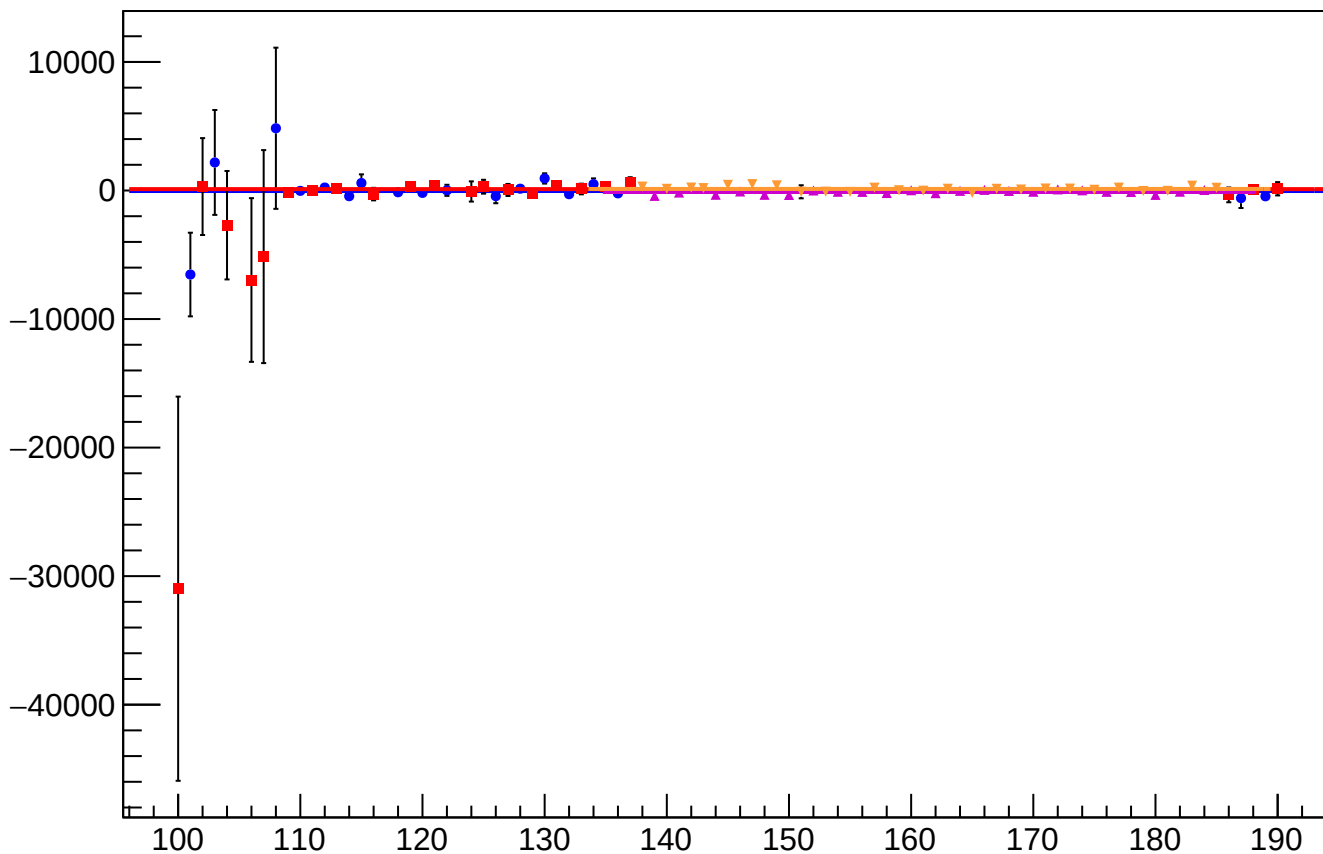
Left In: 28.606 $\pm$ 0.005 χ^2 /NDF: 122928.2/22

+ sign 28.310 $\pm$ 0.004 χ^2 /NDF: 3373764.0/42

All: 28.331 $\pm$ 0.003 χ^2 /NDF: 7081725.9/87

- sign 28.352 $\pm$ 0.004 χ^2 /NDF: 3707906.1/44

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -41.052 ± 81.874 χ^2/NDF : 20.2/17

Left Out: 121.915 ± 46.825 χ^2/NDF : 12.0/24

Right Out: 107.948 ± 73.265 χ^2/NDF : 15.1/21

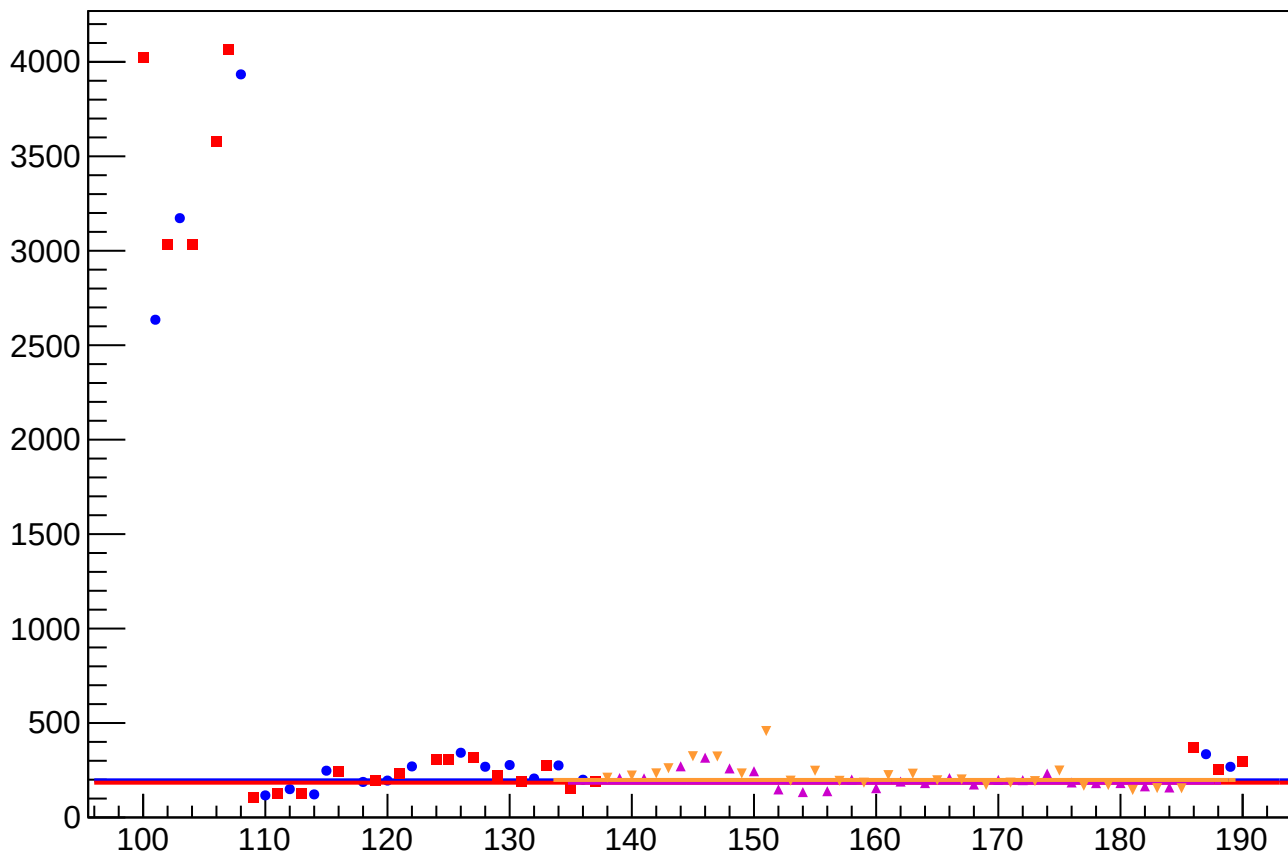
Left In: -116.243 ± 44.786 χ^2/NDF : 8.4/22

+ sign 81.749 ± 40.647 χ^2/NDF : 35.1/42

All: 9.020 ± 27.841 χ^2/NDF : 71.5/87

- sign -55.257 ± 38.212 χ^2/NDF : 30.3/44

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 196.462 $\pm$ 0.058 χ^2 /NDF: 3981636.7/17

Left Out: 198.571 $\pm$ 0.033 χ^2 /NDF: 1901504.1/24

Right Out: 184.110 $\pm$ 0.052 χ^2 /NDF: 4815066.0/21

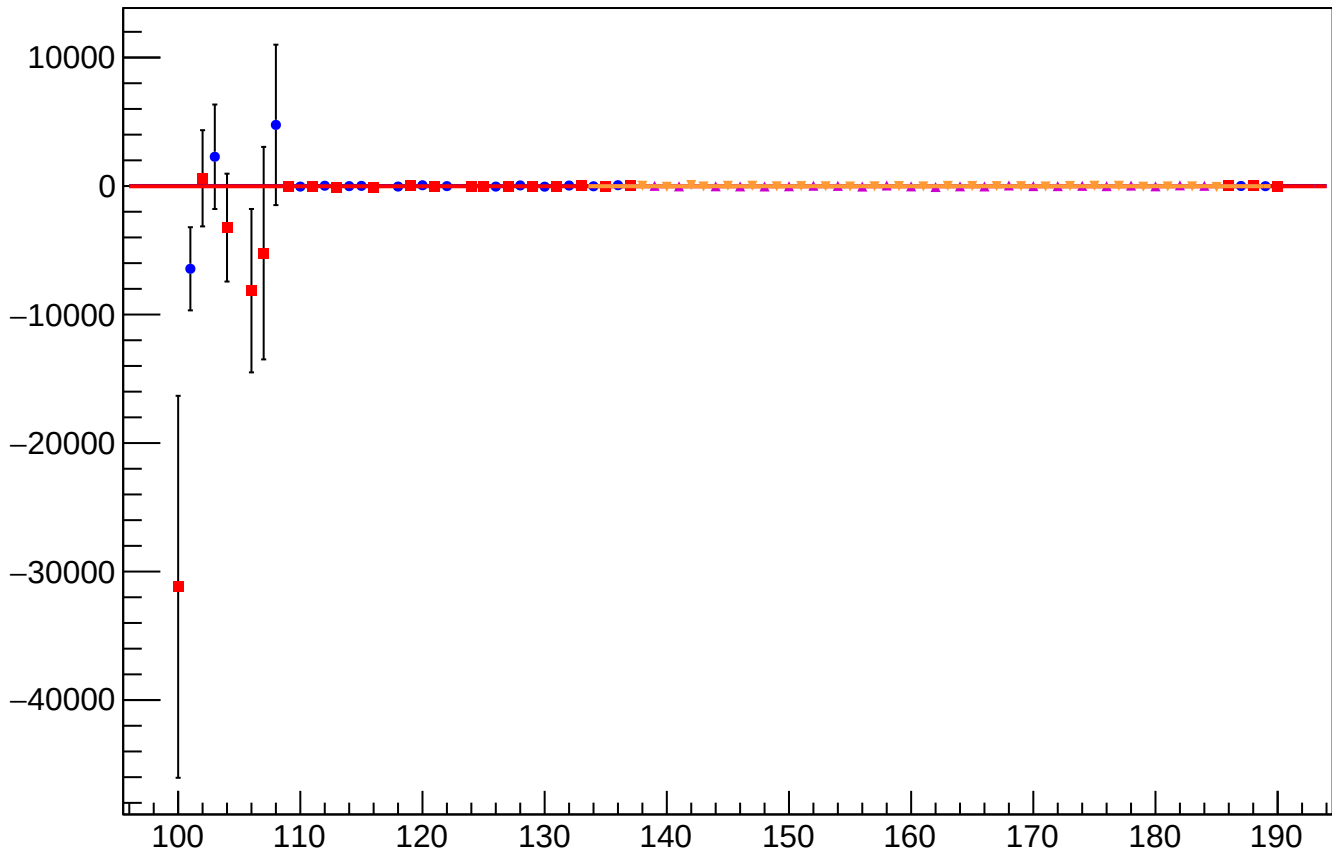
Left In: 184.051 $\pm$ 0.032 χ^2 /NDF: 1445426.0/22

+ sign 198.051 $\pm$ 0.029 χ^2 /NDF: 5884140.5/42

All: 190.628 $\pm$ 0.020 χ^2 /NDF: 12270291.4/87

- sign 184.067 $\pm$ 0.027 χ^2 /NDF: 6260492.9/44

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 4.860 ± 11.021 χ^2/NDF : 18.5/17

Left Out: -11.862 ± 6.541 χ^2/NDF : 17.9/24

Right Out: -18.368 ± 10.452 χ^2/NDF : 25.5/21

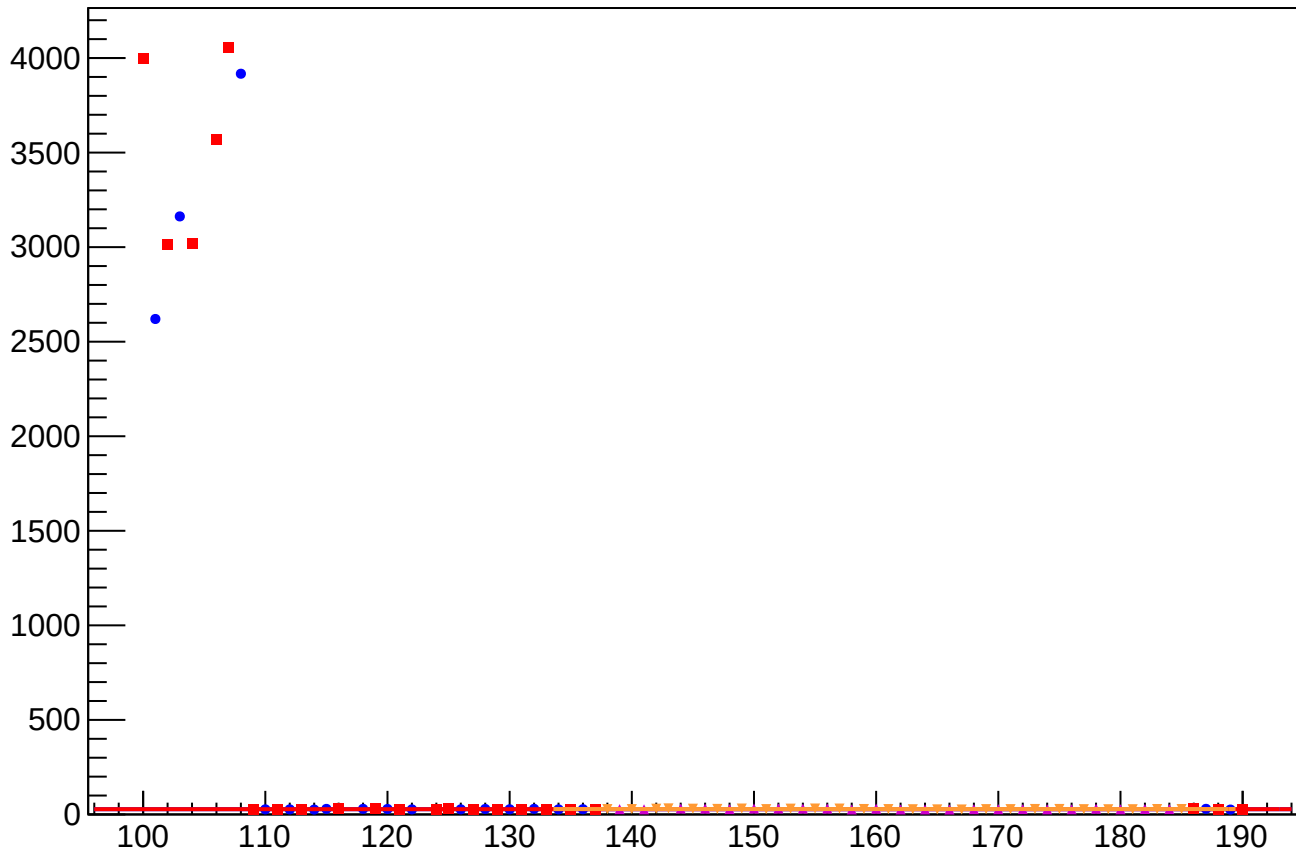
Left In: -2.576 ± 6.732 χ^2/NDF : 22.2/22

+ sign -7.507 ± 5.625 χ^2/NDF : 38.1/42

All: -7.358 ± 3.990 χ^2/NDF : 87.3/87

- sign -7.207 ± 5.660 χ^2/NDF : 49.2/44

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.674 $\pm$ 0.008 χ^2 /NDF: 3273467.6/17

Left Out: 28.707 $\pm$ 0.005 χ^2 /NDF: 98865.9/24

Right Out: 27.863 $\pm$ 0.007 χ^2 /NDF: 3572575.0/21

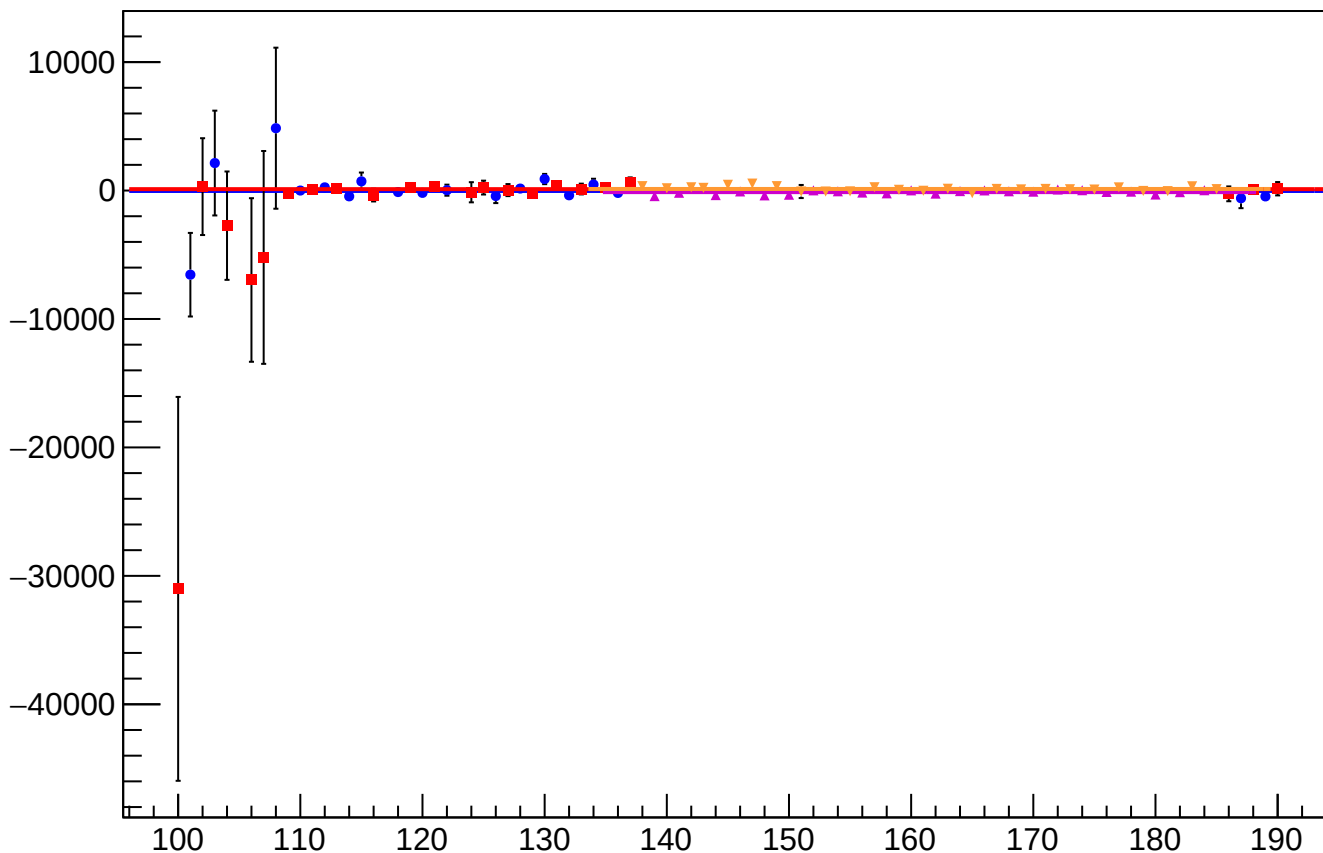
Left In: 28.728 $\pm$ 0.005 χ^2 /NDF: 127383.0/22

+ sign 28.438 $\pm$ 0.004 χ^2 /NDF: 3385338.4/42

All: 28.456 $\pm$ 0.003 χ^2 /NDF: 7095017.1/87

- sign 28.474 $\pm$ 0.004 χ^2 /NDF: 3709638.4/44

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -32.164 $\pm$ 82.855 χ^2 /NDF: 20.2/17

Left Out: 122.864 $\pm$ 47.300 χ^2 /NDF:11.3/24

Right Out: 108.158 $\pm$ 74.209 χ^2 /NDF: 14.2/21

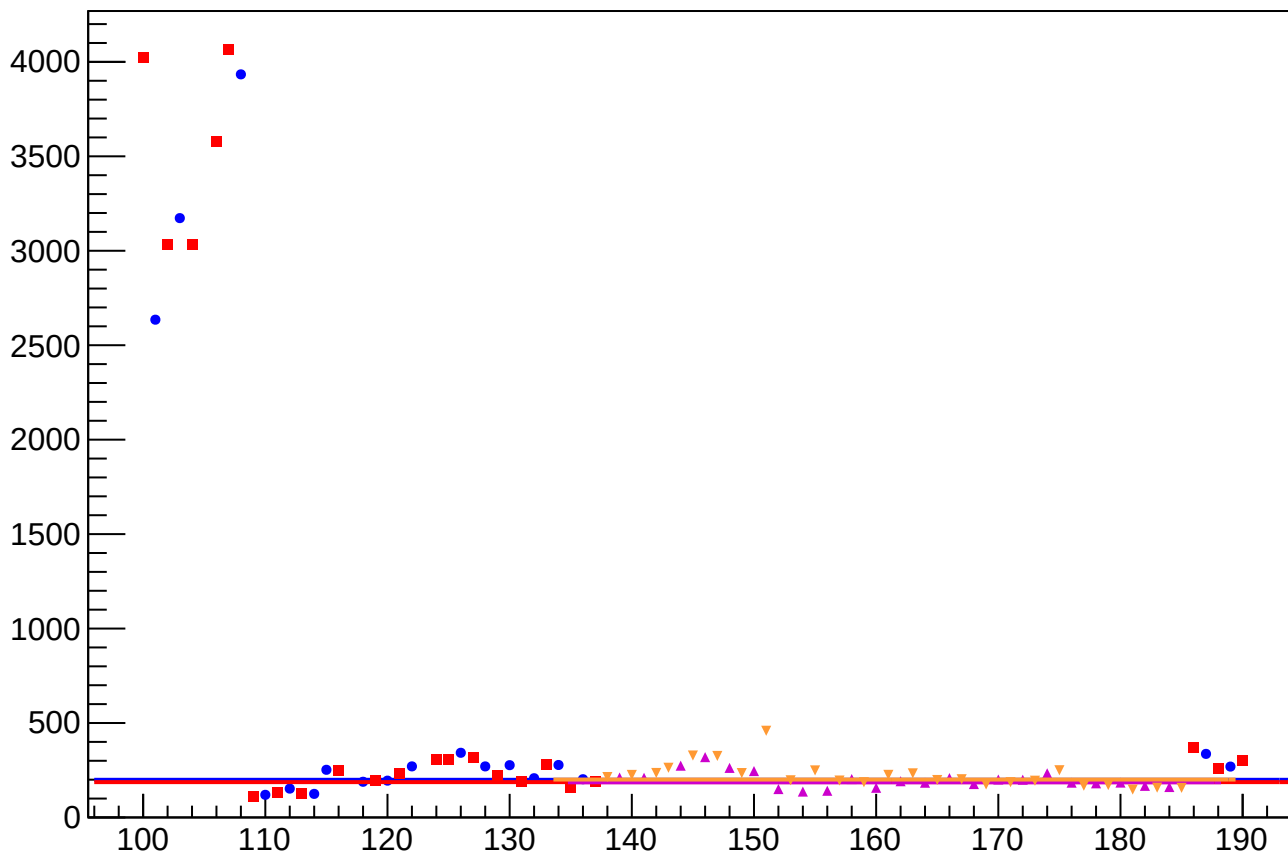
Left In: -123.046 $\pm$ 45.269 χ^2 /NDF:8.5/22

+ sign 84.759 $\pm$ 41.077 χ^2 /NDF: 34.2/42

All: 7.787 $\pm$ 28.147 χ^2 /NDF: 70.5/87

- sign -60.342 $\pm$ 38.646 χ^2 /NDF: 29.8/44

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 199.321+/-0.059 χ^2/NDF : 3926019.2/17

Left Out: 200.686+/-0.033 χ^2/NDF : 1880083.2/24

Right Out: 187.066+/-0.052 χ^2/NDF : 4740908.3/21

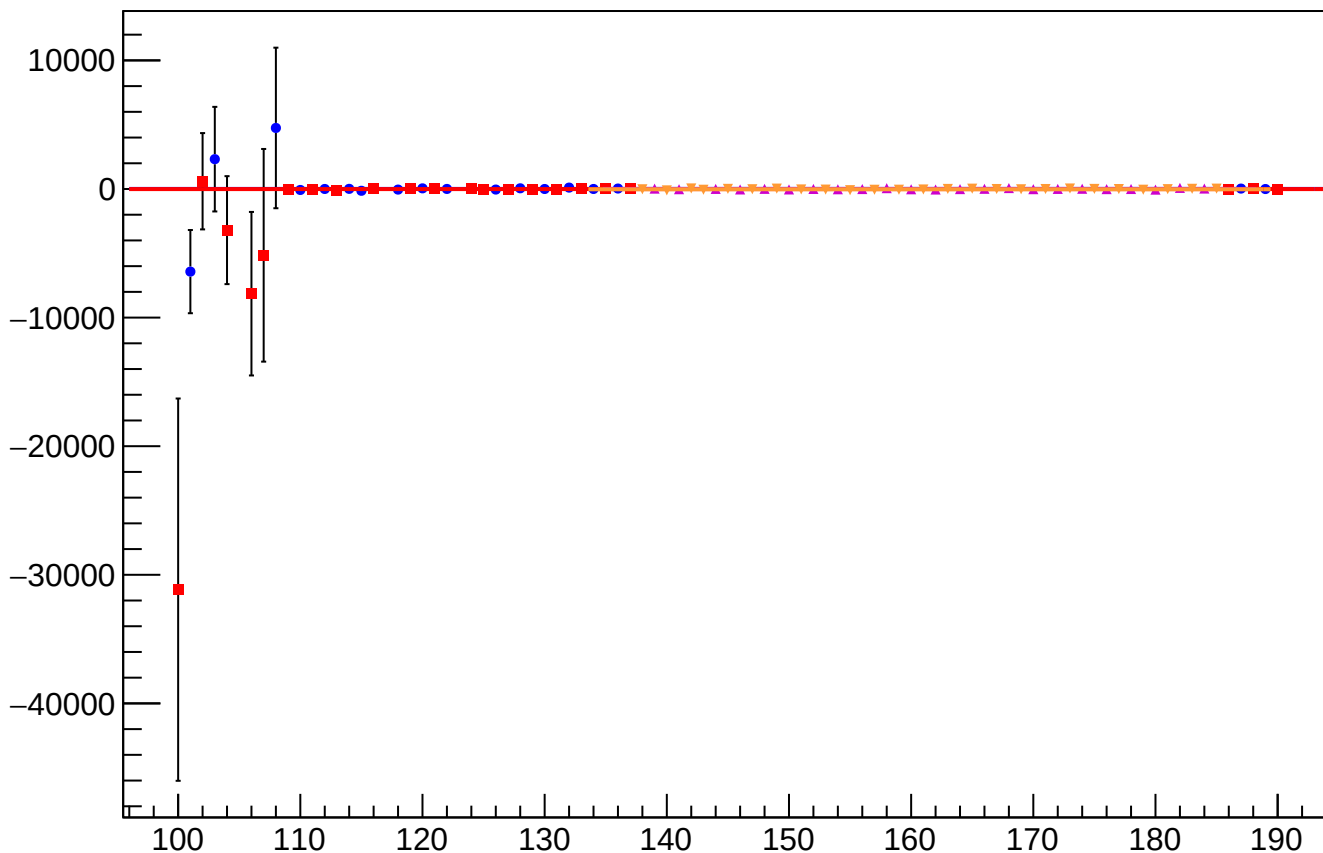
Left In: 186.169+/-0.032 χ^2/NDF : 1413387.1/22

+ sign 200.350+/-0.029 χ^2/NDF : 5806511.8/42

All: 192.957+/-0.020 χ^2/NDF : 12083163.8/87

- sign 186.412+/-0.027 χ^2/NDF : 6154508.5/44

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.519 $\pm$ 13.425 χ^2 /NDF: 17.6/17

Left Out: -21.228 $\pm$ 7.835 χ^2 /NDF: 22.9/24

Right Out: -7.020 $\pm$ 12.696 χ^2 /NDF: 25.9/21

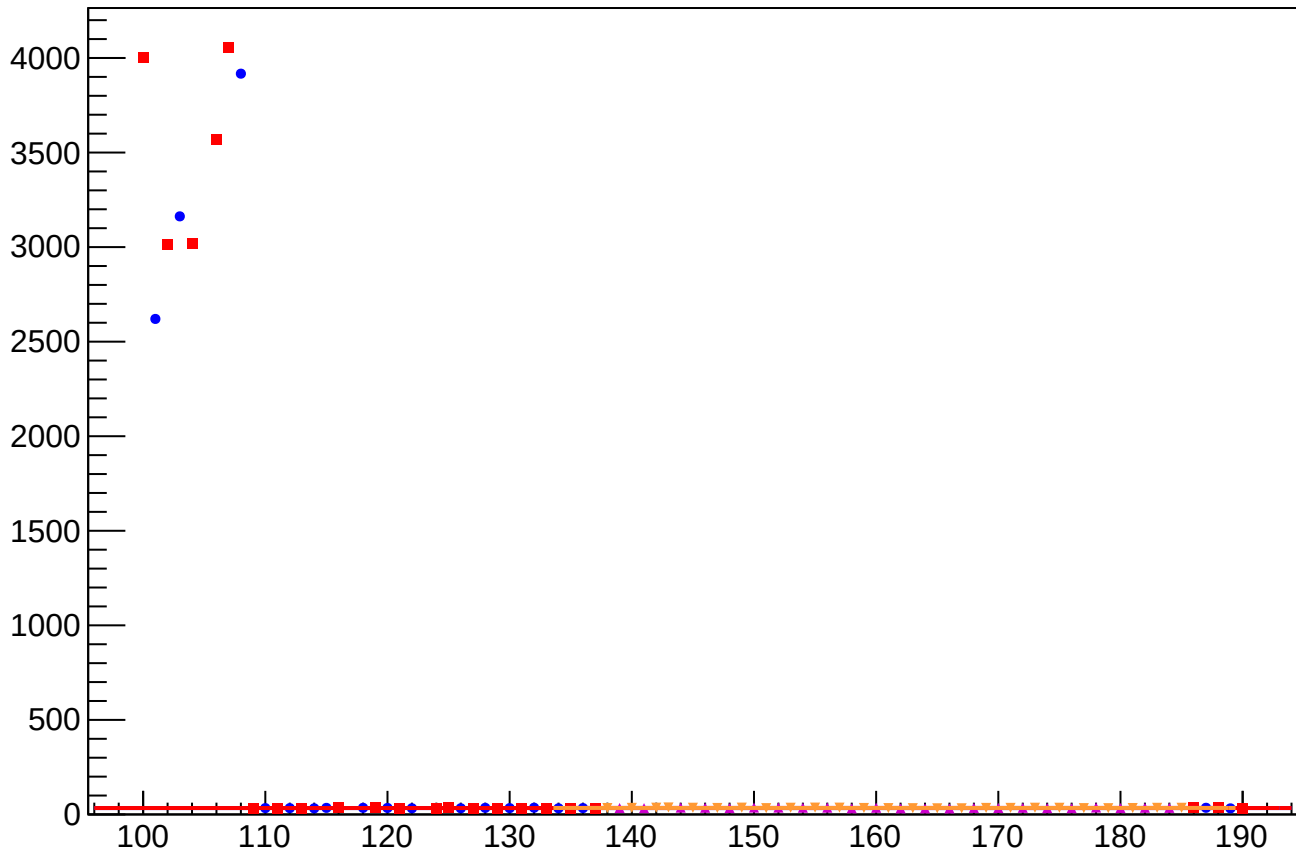
Left In: 4.029 $\pm$ 8.083 χ^2 /NDF: 18.9/22

+ sign -14.432 $\pm$ 6.767 χ^2 /NDF: 43.5/42

All: -6.853 $\pm$ 4.803 χ^2 /NDF: 91.3/87

- sign 0.842 $\pm$ 6.819 χ^2 /NDF: 45.3/44

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.779 $\pm$ 0.009 χ^2 /NDF: 3247743.6/17

Left Out: 34.439 $\pm$ 0.006 χ^2 /NDF: 44686.3/24

Right Out: 33.929 $\pm$ 0.009 χ^2 /NDF: 3534789.7/21

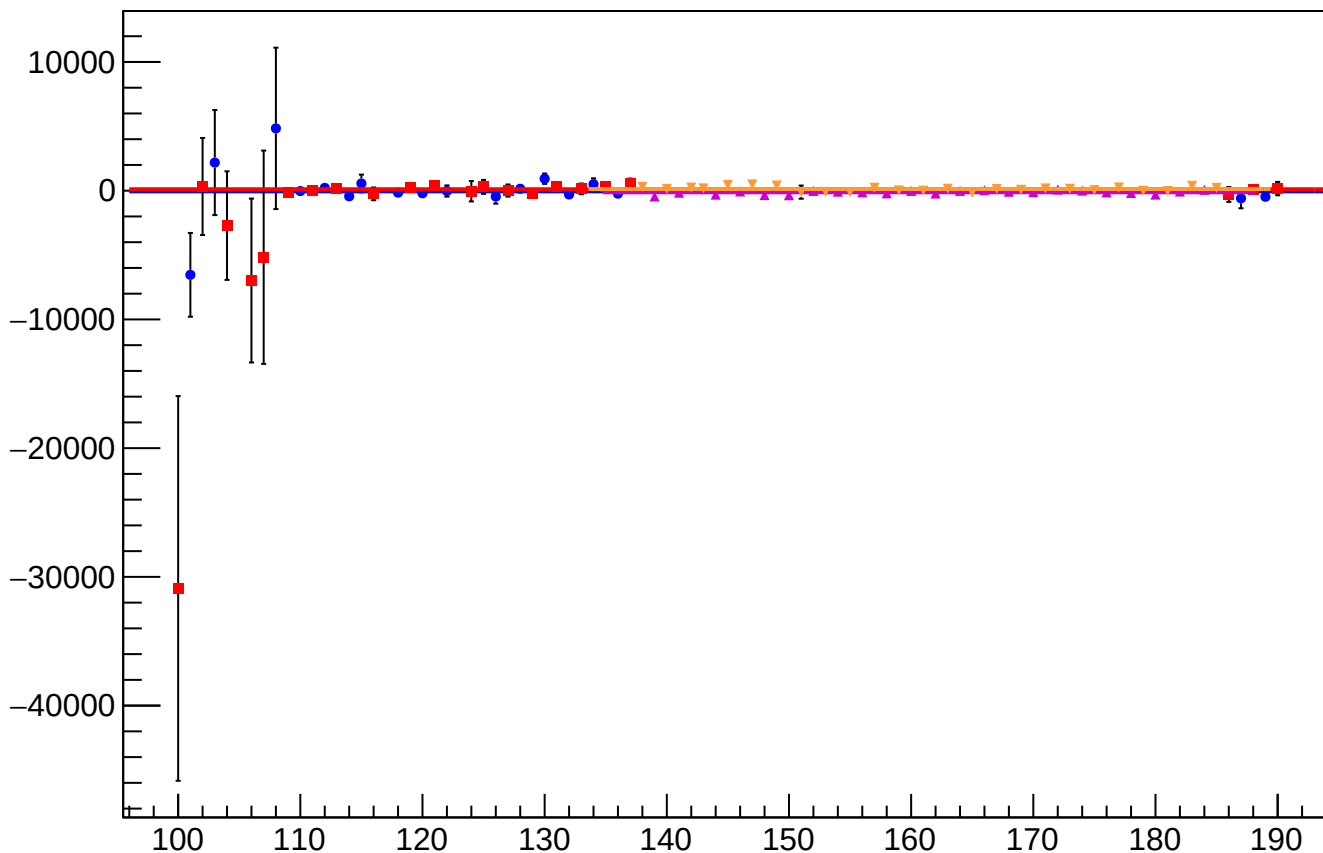
Left In: 34.552 $\pm$ 0.006 χ^2 /NDF: 59280.9/22

+ sign 34.271 $\pm$ 0.005 χ^2 /NDF: 3296030.0/42

All: 34.321 $\pm$ 0.003 χ^2 /NDF: 6893744.9/87

- sign 34.372 $\pm$ 0.005 χ^2 /NDF: 3597492.2/44

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -48.308 ± 82.444 χ^2/NDF : 20.1/17

Left Out: 127.689 ± 47.228 χ^2/NDF : 11.6/24

Right Out: 112.408 ± 73.766 χ^2/NDF : 13.8/21

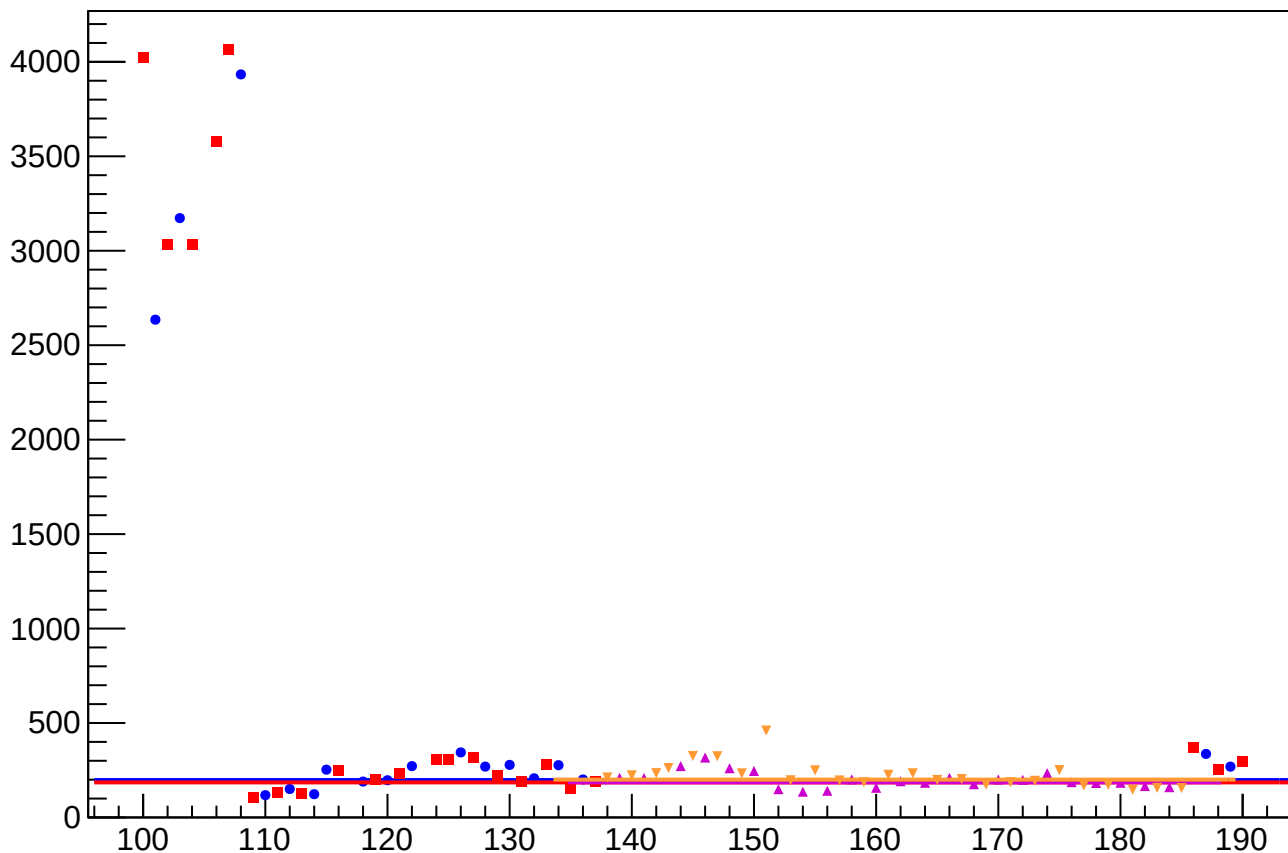
Left In: -122.809 ± 45.199 χ^2/NDF : 8.0/22

+ sign 84.204 ± 40.980 χ^2/NDF : 35.2/42

All: 8.421 ± 28.075 χ^2/NDF : 70.8/87

- sign -58.604 ± 38.539 χ^2/NDF : 29.2/44

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.956 $\pm$ 0.058 χ^2 /NDF: 3967876.1/17

Left Out: 200.372 $\pm$ 0.033 χ^2 /NDF: 1876533.6/24

Right Out: 185.533 $\pm$ 0.052 χ^2 /NDF: 4797502.8/21

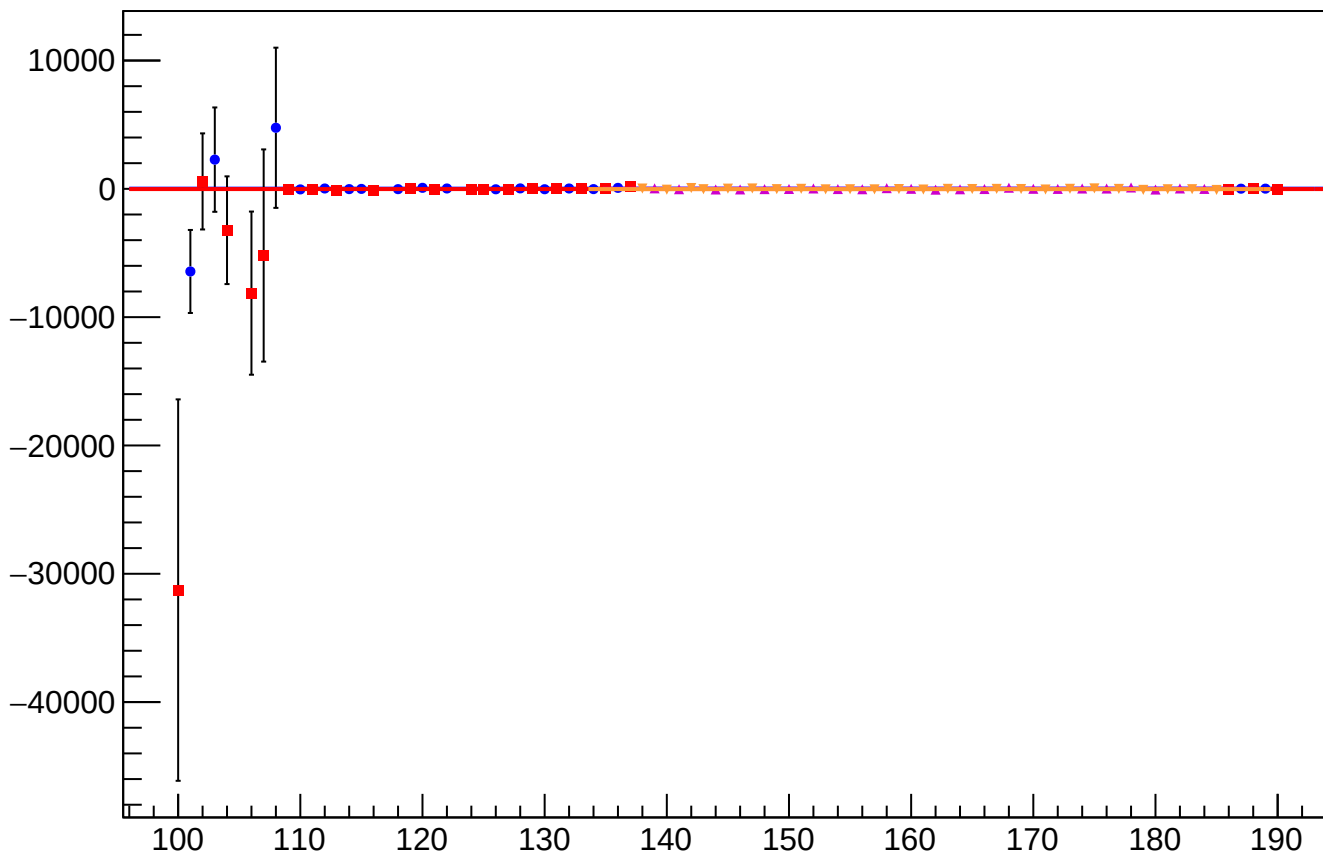
Left In: 185.871 $\pm$ 0.032 χ^2 /NDF: 1405525.2/22

+ sign 199.775 $\pm$ 0.029 χ^2 /NDF: 5845702.9/42

All: 192.348 $\pm$ 0.020 χ^2 /NDF: 12172561.2/87

- sign 185.779 $\pm$ 0.027 χ^2 /NDF: 6203058.7/44

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.859 $\pm$ 12.230 χ^2 /NDF: 15.5/17

Left Out: -18.581 $\pm$ 7.135 χ^2 /NDF:20.4/24

Right Out: -17.718 $\pm$ 11.556 χ^2 /NDF: 30.8/21

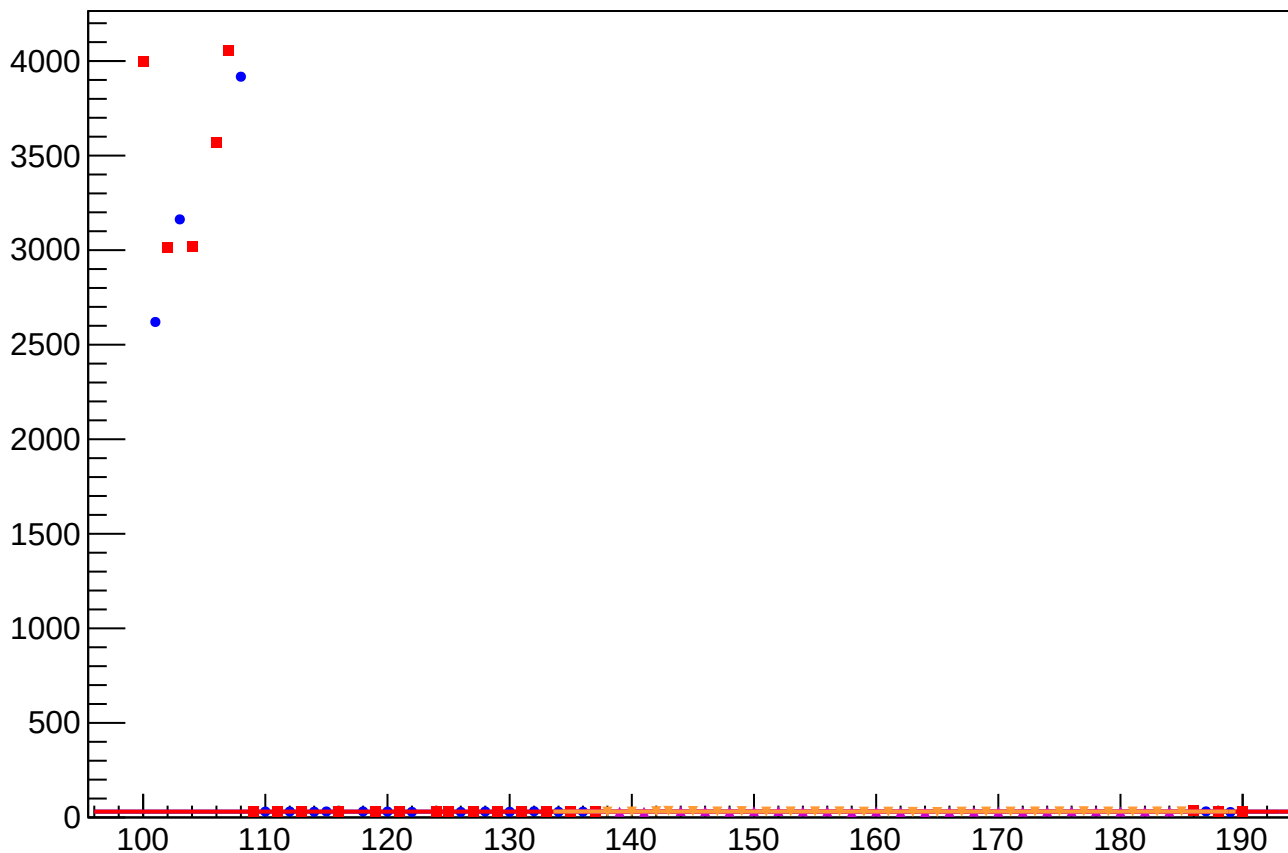
Left In: 2.709 $\pm$ 7.348 χ^2 /NDF:35.5/22

+ sign -10.344 $\pm$ 6.163 χ^2 /NDF: 41.1/42

All: -6.780 $\pm$ 4.371 χ^2 /NDF: 110.4/87

- sign -3.172 $\pm$ 6.200 χ^2 /NDF: 68.6/44

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.743 $\pm$ 0.009 χ^2 /NDF: 3259054.5/17

Left Out: 31.340 $\pm$ 0.005 χ^2 /NDF: 63017.9/24

Right Out: 30.846 $\pm$ 0.008 χ^2 /NDF: 3547948.2/21

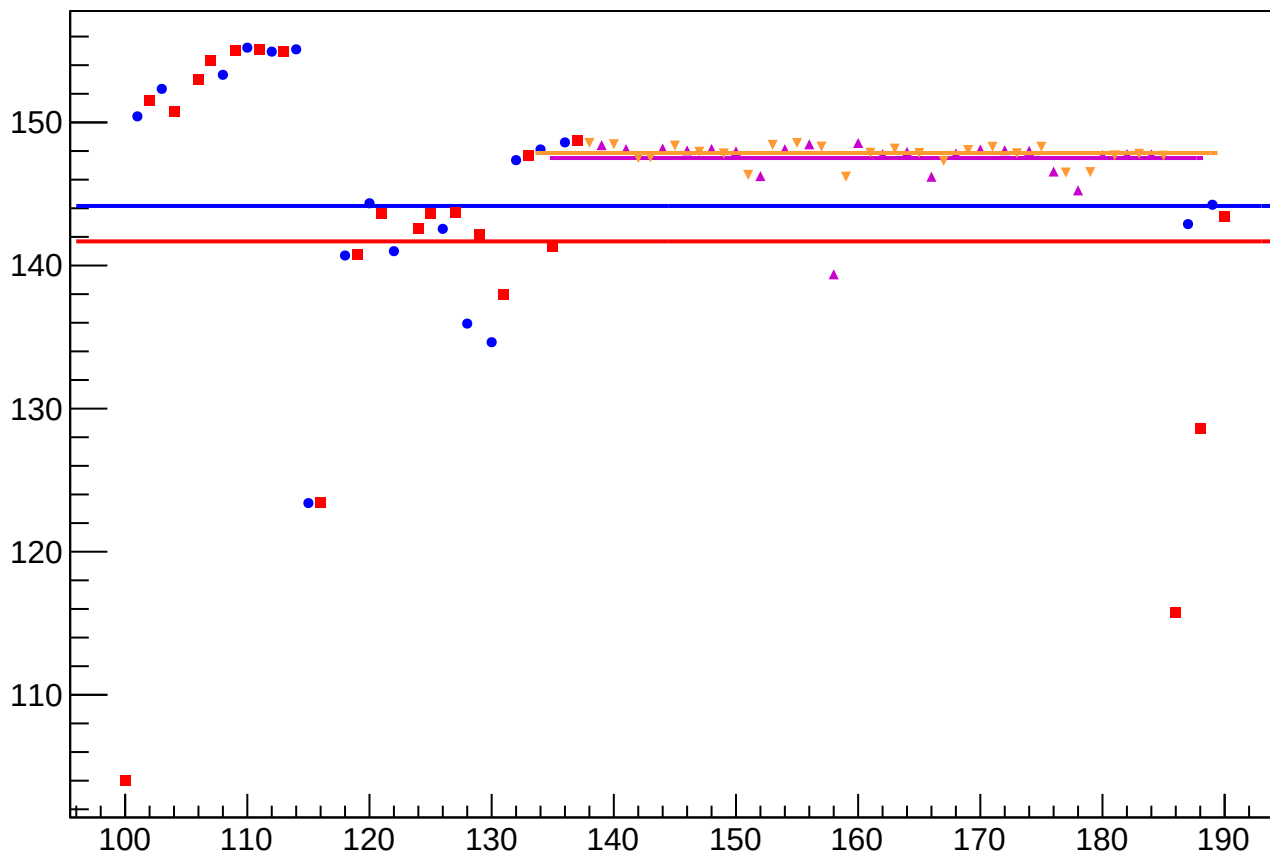
Left In: 31.379 $\pm$ 0.005 χ^2 /NDF: 85229.7/22

+ sign 31.188 $\pm$ 0.004 χ^2 /NDF: 3325624.7/42

All: 31.207 $\pm$ 0.003 χ^2 /NDF: 6961875.9/87

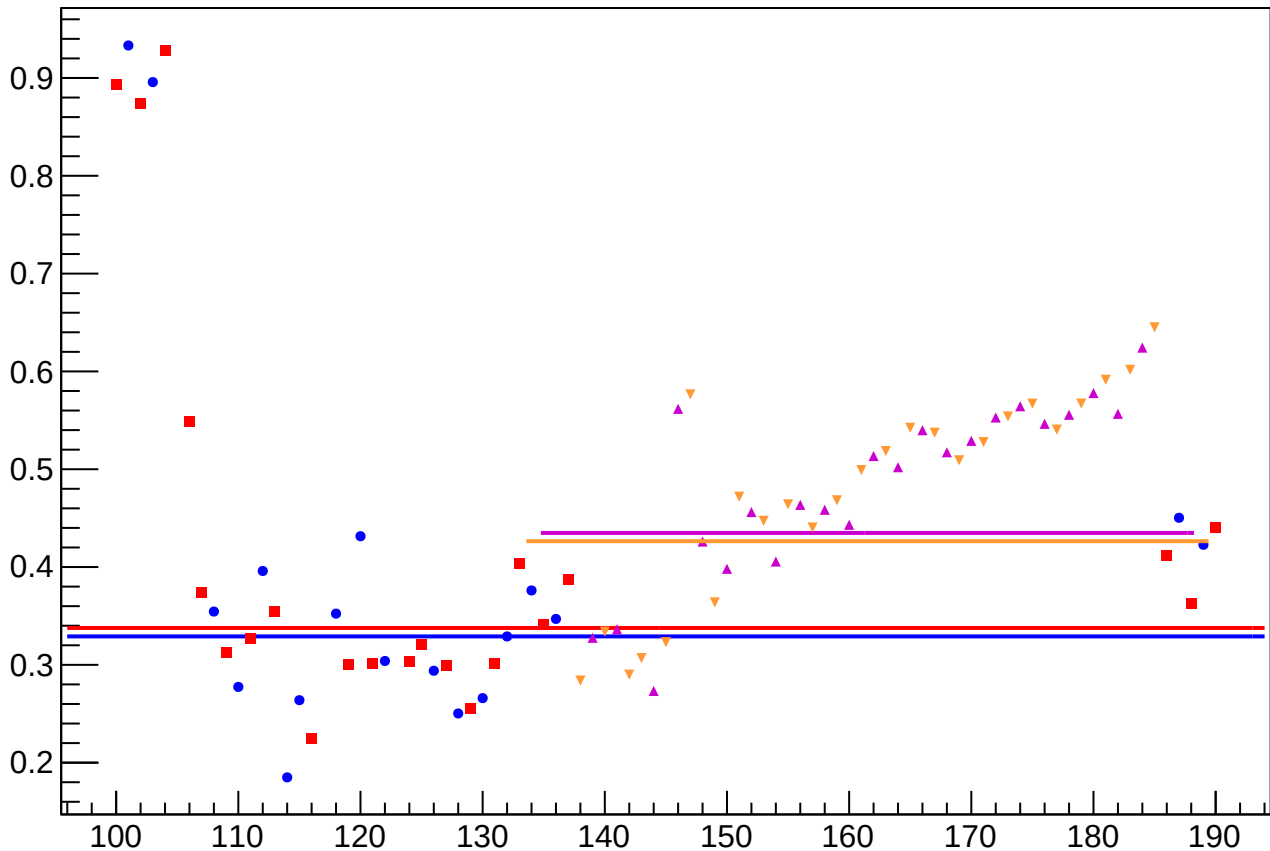
- sign 31.226 $\pm$ 0.004 χ^2 /NDF: 3636214.4/44

yield_bcm_target_mean vs Slug



Right In: 144.162 $\pm$ 0.000	χ^2 /NDF: 3726122611.2/17	+ sign 146.441 $\pm$ 0.000	χ^2 /NDF: 4282375667.3/42
Left Out: 147.864 $\pm$ 0.000	χ^2 /NDF: 44922014.2/24	All: 145.725 $\pm$ 0.000	χ^2 /NDF: 13449994222.0
Right Out: 141.687 $\pm$ 0.000	χ^2 /NDF: 7397106451.3/21	- sign 145.004 $\pm$ 0.000	χ^2 /NDF: 9005602403.8/44
Left In: 147.511 $\pm$ 0.000	χ^2 /NDF: 306421789.5/22		

yield_bcm_target_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1472196.2/17

Left Out: 0.426 ± 0.000 χ^2/NDF : 2259192.5/24

Right Out: 0.338 ± 0.000 χ^2/NDF : 1383058.8/21

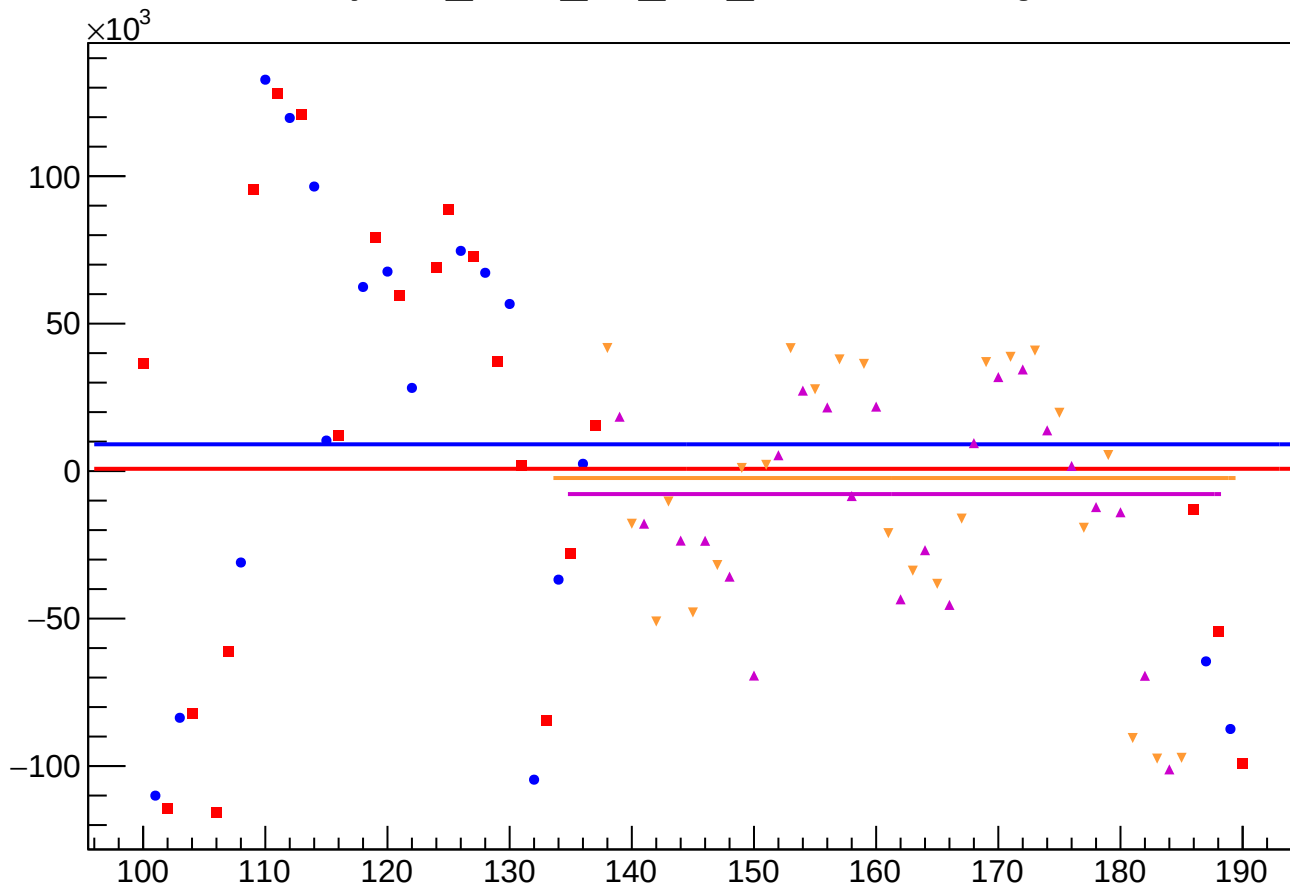
Left In: 0.435 ± 0.000 χ^2/NDF : 1774903.7/22

+ sign 0.389 ± 0.000 χ^2/NDF : 4438288.0/42

All: 0.391 ± 0.000 χ^2/NDF : 8323488.6/87

- sign 0.393 ± 0.000 χ^2/NDF : 3882605.3/44

yield_bcm_an_diff_mean vs Slug



Right In: 9086.555 $\pm$ 1.916 χ^2 /NDF: 1610690472.2/17

Left Out: -2344.855 $\pm$ 1.123 χ^2 /NDF:1230029339.6/24

Right Out: 780.633 $\pm$ 1.725 χ^2 /NDF: 2135407667.6/21

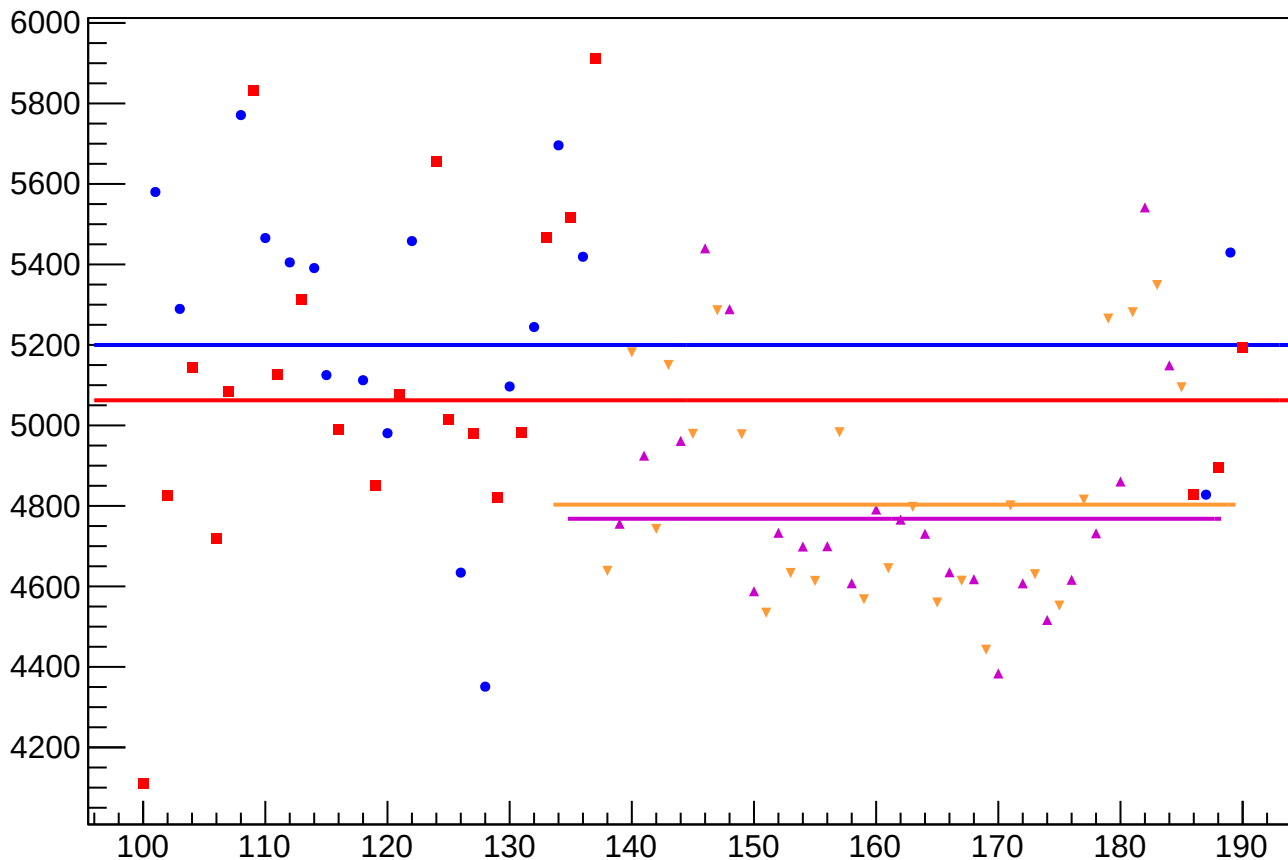
Left In: -7787.808 $\pm$ 1.145 χ^2 /NDF:762496621.5/22

+ sign 579.338 $\pm$ 0.969 χ^2 /NDF: 2867213646.4/42

All: -2340.267 $\pm$ 0.680 χ^2 /NDF: 5800123781

- sign -5168.218 $\pm$ 0.954 χ^2 /NDF: 2915038733.5/44

yield_bcm_an_diff_rms vs Slug



Right In: 5199.840 $\pm$ 1.355 χ^2 /NDF: 80924.7/17

Left Out: 4803.136 $\pm$ 0.794 χ^2 /NDF:114681.5/24

Right Out: 5062.441 $\pm$ 1.220 χ^2 /NDF: 64054.9/21

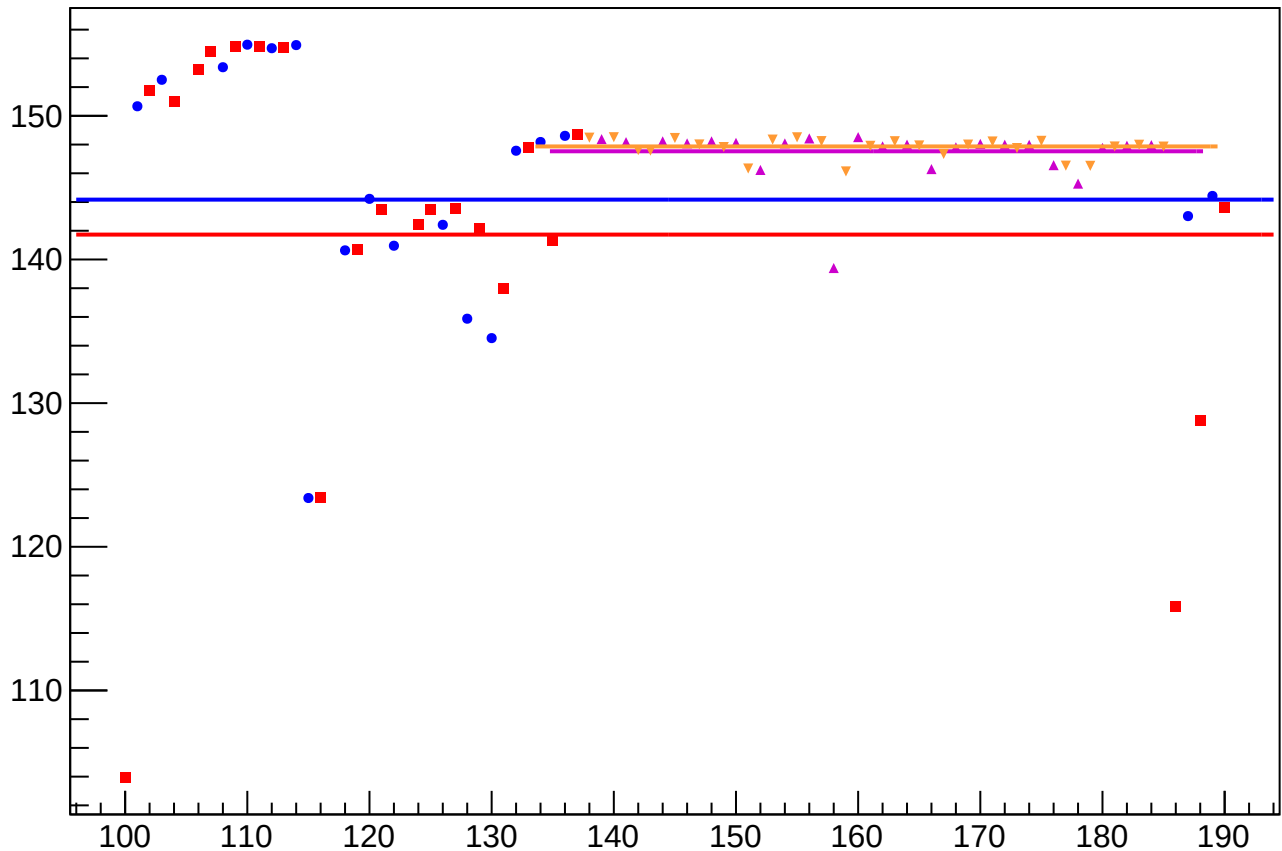
Left In: 4768.055 $\pm$ 0.809 χ^2 /NDF:102355.5/22

+ sign 4904.615 $\pm$ 0.685 χ^2 /NDF: 259418.9/42

All: 4880.964 $\pm$ 0.481 χ^2 /NDF: 468625.8/87

- sign 4858.057 $\pm$ 0.674 χ^2 /NDF: 206861.5/44

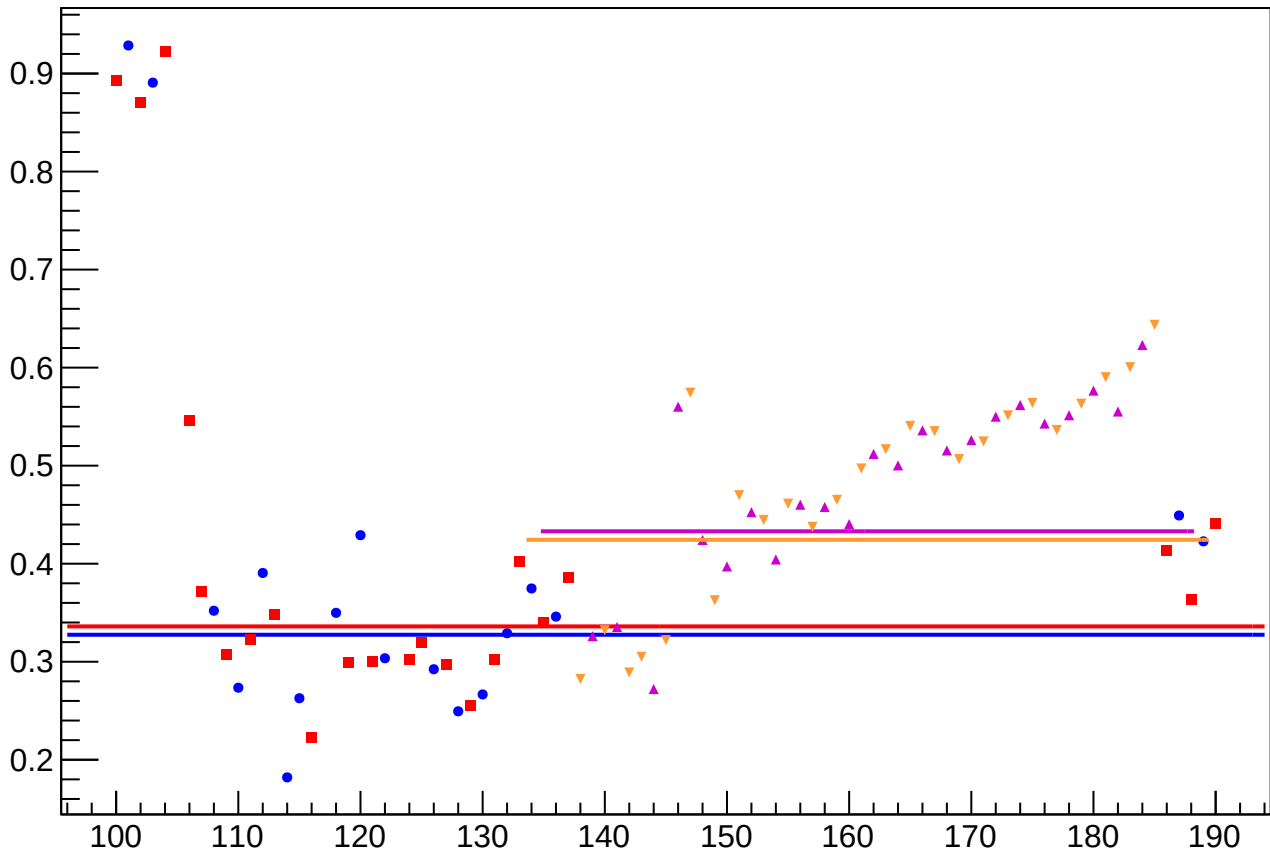
yield_bcm_an_ds_mean vs Slug



Right In: 144.167 $\pm$ 0.000 χ^2 /NDF: 3766120620.4/17
 Left Out: 147.870 $\pm$ 0.000 χ^2 /NDF: 44483332.4/24
 Right Out: 141.733 $\pm$ 0.000 χ^2 /NDF: 7369096625.7/21
 Left In: 147.532 $\pm$ 0.000 χ^2 /NDF: 307143604.6/22

+ sign 146.446 $\pm$ 0.000 χ^2 /NDF: 4326905521.8/42
 All: 145.743 $\pm$ 0.000 χ^2 /NDF: 13463808760.
 - sign 145.035 $\pm$ 0.000 χ^2 /NDF: 8978856566.9/44

yield_bcm_an_ds_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1474417.9/17

Left Out: 0.424 ± 0.000 χ^2/NDF : 2260723.7/24

Right Out: 0.336 ± 0.000 χ^2/NDF : 1387591.2/21

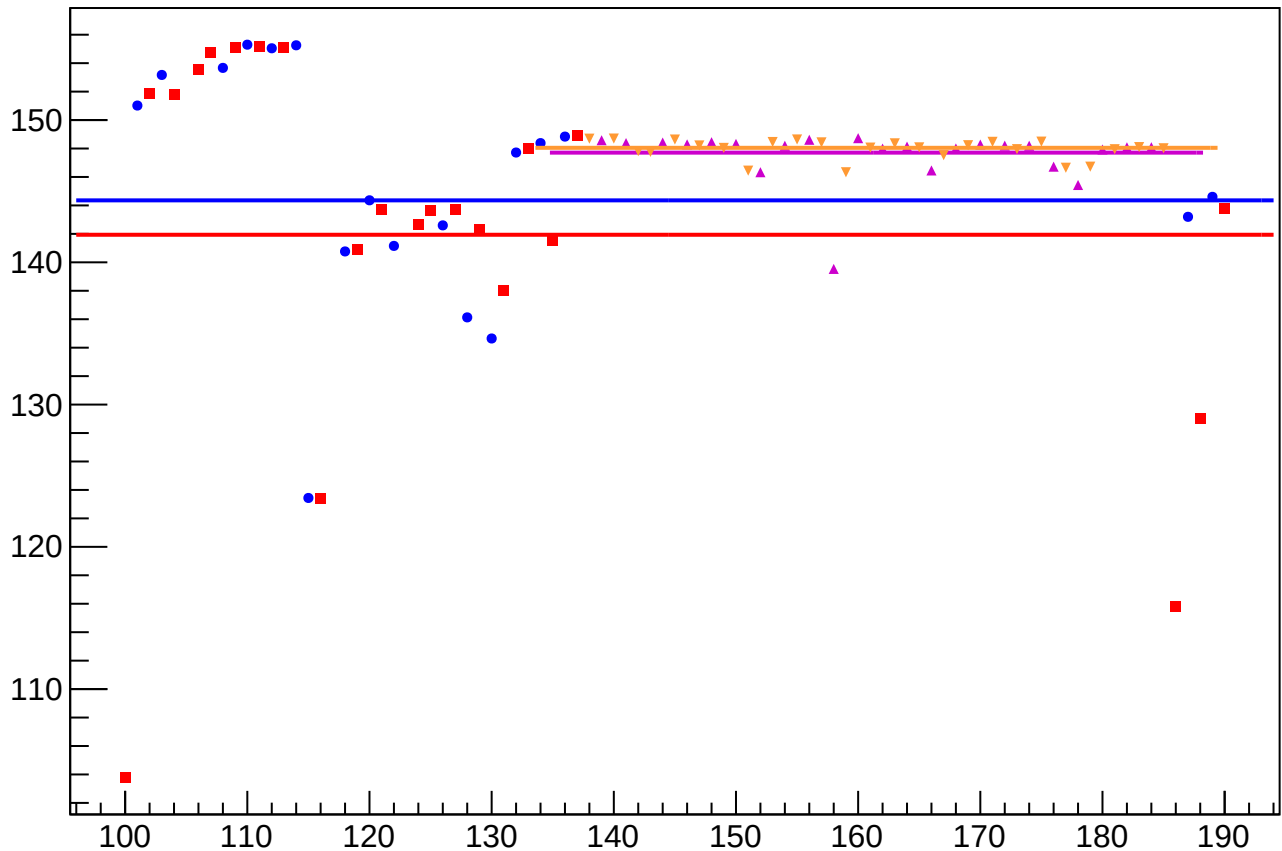
Left In: 0.433 ± 0.000 χ^2/NDF : 1771141.8/22

+ sign 0.387 ± 0.000 χ^2/NDF : 4441552.5/42

All: 0.389 ± 0.000 χ^2/NDF : 8332202.2/87

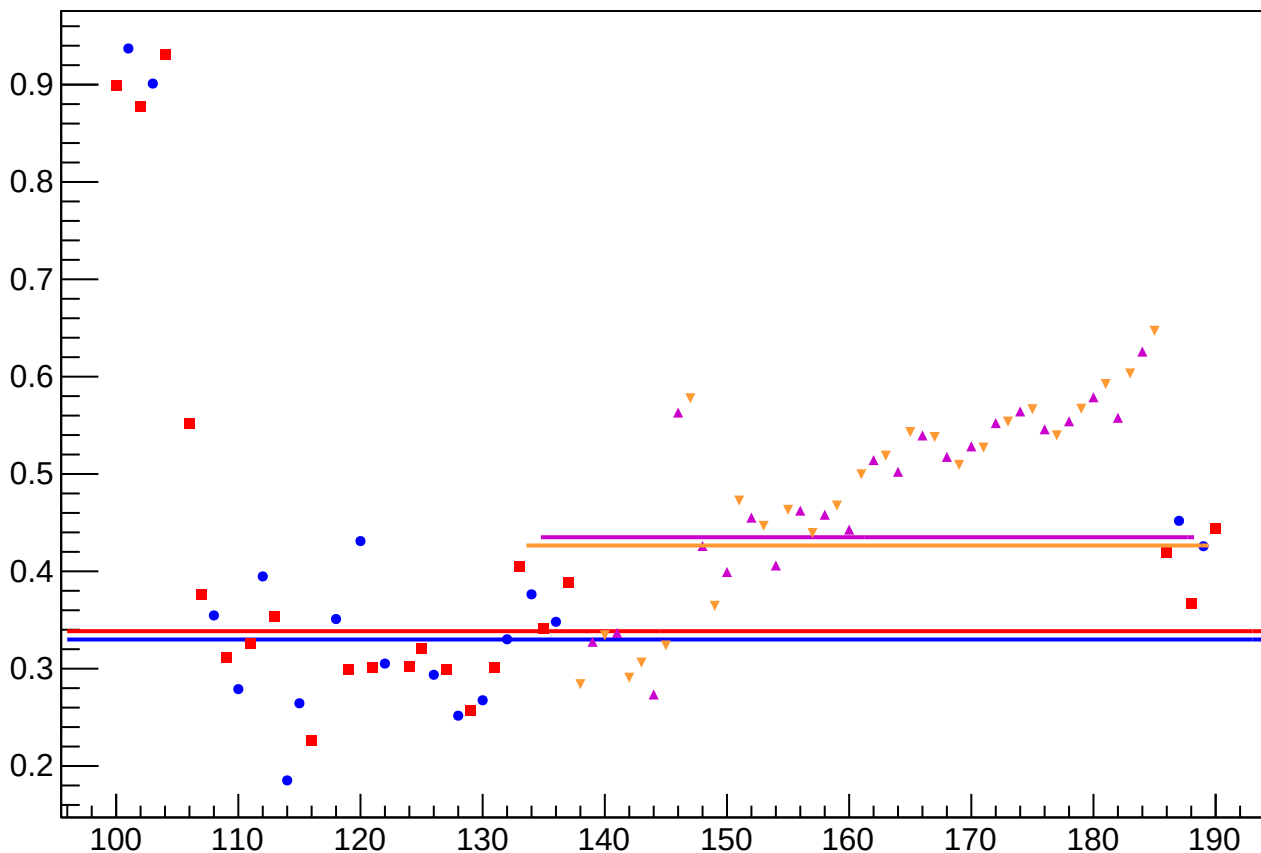
- sign 0.391 ± 0.000 χ^2/NDF : 3887933.8/44

yield_bcm_an_ds3_mean vs Slug



Right In: 144.355 $\pm$ 0.000	χ^2 /NDF: 3759899101.3/17	+ sign 146.633 $\pm$ 0.000	χ^2 /NDF: 4312111995.7/42
Left Out: 148.049 $\pm$ 0.000	χ^2 /NDF: 44901895.1/24	All: 145.935 $\pm$ 0.000	χ^2 /NDF: 13360514081.0
Right Out: 141.937 $\pm$ 0.000	χ^2 /NDF: 7307722746.7/21	- sign 145.232 $\pm$ 0.000	χ^2 /NDF: 8894626587.5/44
Left In: 147.710 $\pm$ 0.000	χ^2 /NDF: 311841433.9/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1470203.5/17

Left Out: 0.427 ± 0.000 χ^2/NDF : 2257492.3/24

Right Out: 0.339 ± 0.000 χ^2/NDF : 1390393.6/21

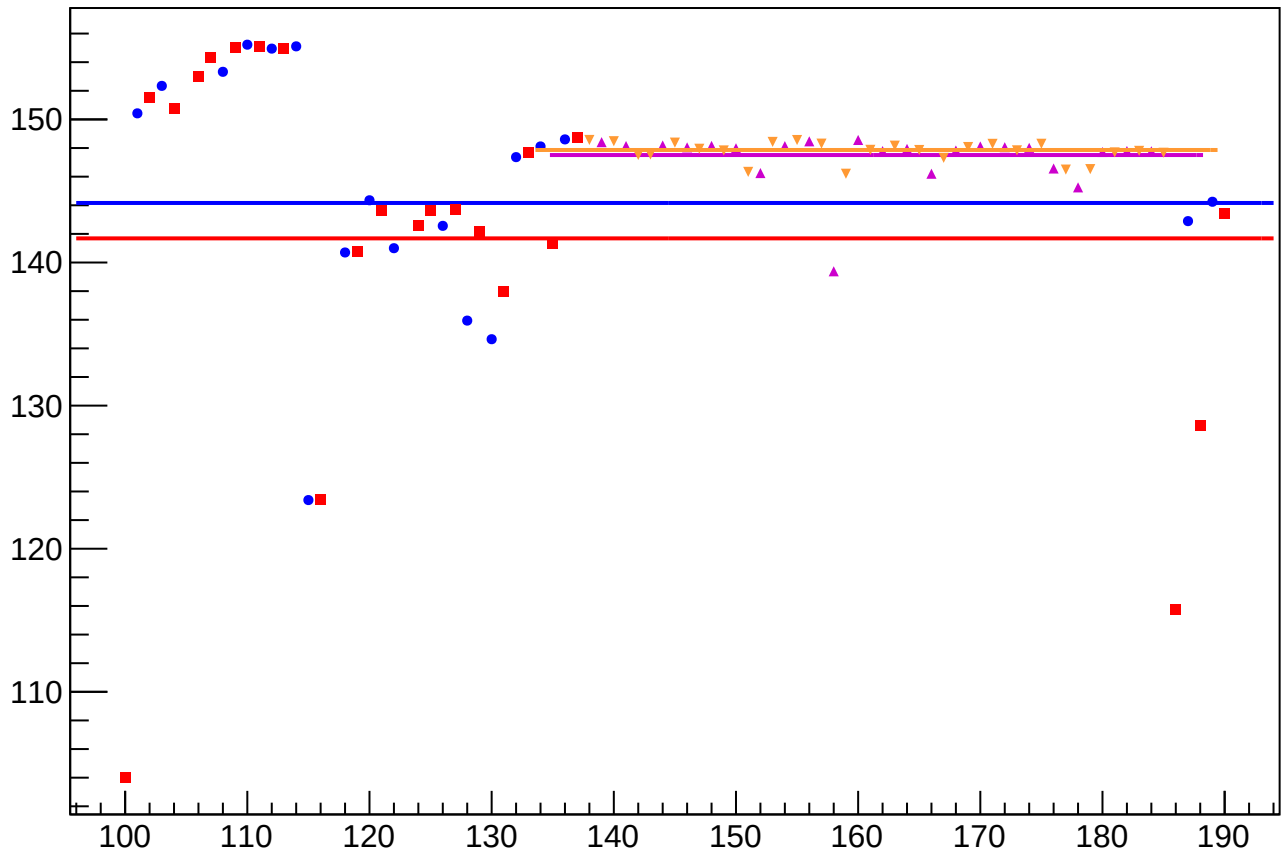
Left In: 0.435 ± 0.000 χ^2/NDF : 1769716.0/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4421301.2/42

All: 0.392 ± 0.000 χ^2/NDF : 8297212.8/87

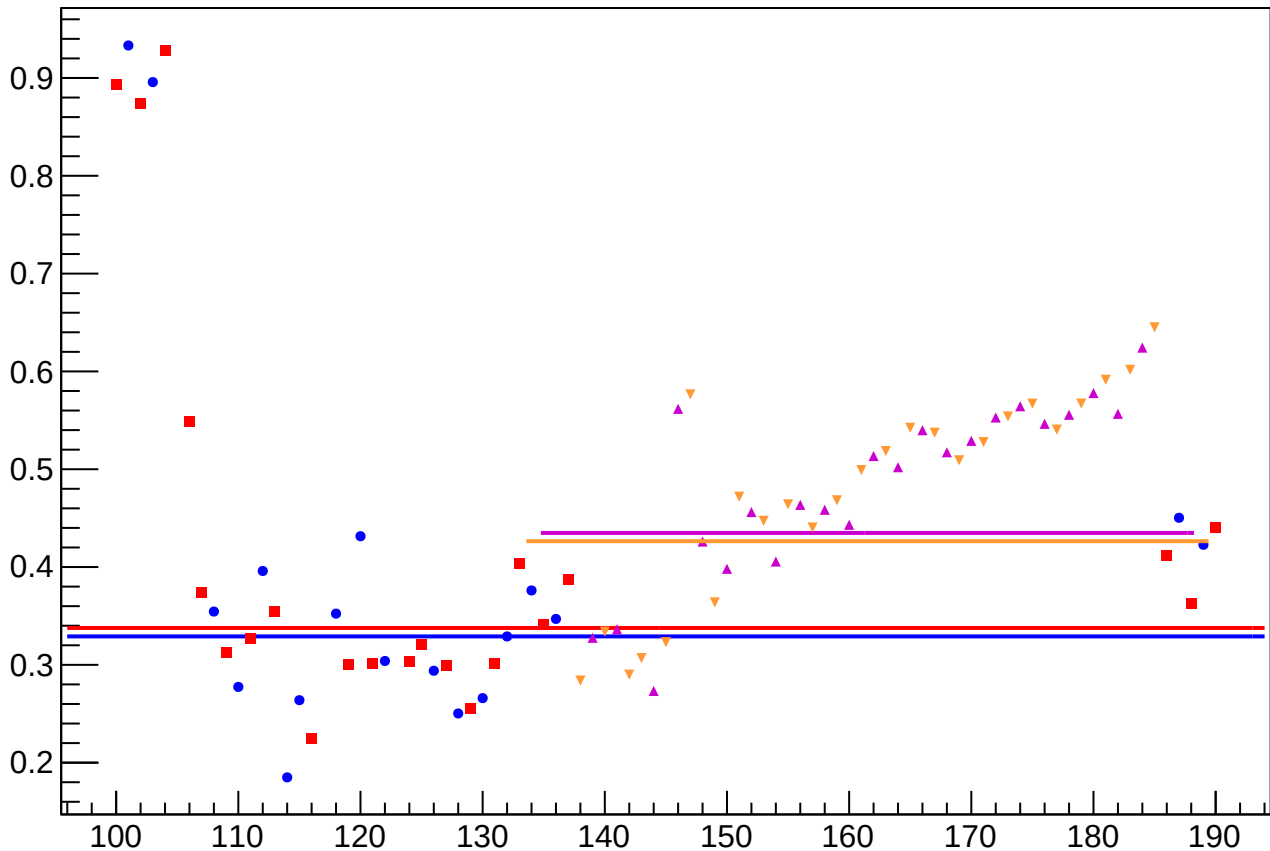
- sign 0.394 ± 0.000 χ^2/NDF : 3873296.0/44

yield_bcm_an_us_mean vs Slug



Right In: 144.162+/-0.000	χ^2/NDF : 3726122611.2/17	+ sign 146.441+/-0.000	χ^2/NDF : 4282375667.3/42
Left Out: 147.864+/-0.000	χ^2/NDF : 44922014.2/24	All: 145.725+/-0.000	χ^2/NDF : 13449994222.
Right Out: 141.687+/-0.000	χ^2/NDF : 7397106451.3/21	- sign 145.004+/-0.000	χ^2/NDF : 9005602403.8/44
Left In: 147.511+/-0.000	χ^2/NDF : 306421789.5/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1472196.2/17

Left Out: 0.426 ± 0.000 χ^2/NDF : 2259192.5/24

Right Out: 0.338 ± 0.000 χ^2/NDF : 1383058.8/21

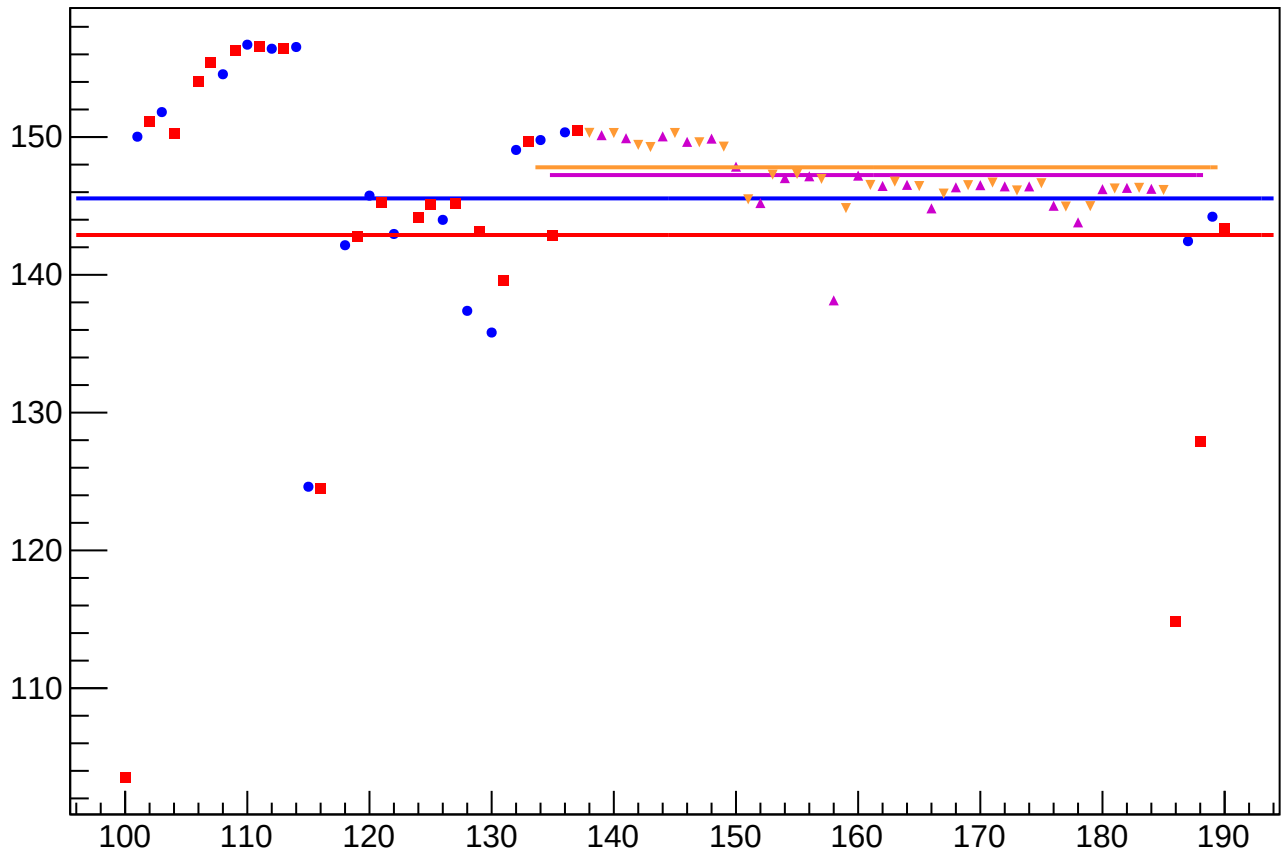
Left In: 0.435 ± 0.000 χ^2/NDF : 1774903.7/22

+ sign 0.389 ± 0.000 χ^2/NDF : 4438288.0/42

All: 0.391 ± 0.000 χ^2/NDF : 8323488.6/87

- sign 0.393 ± 0.000 χ^2/NDF : 3882605.3/44

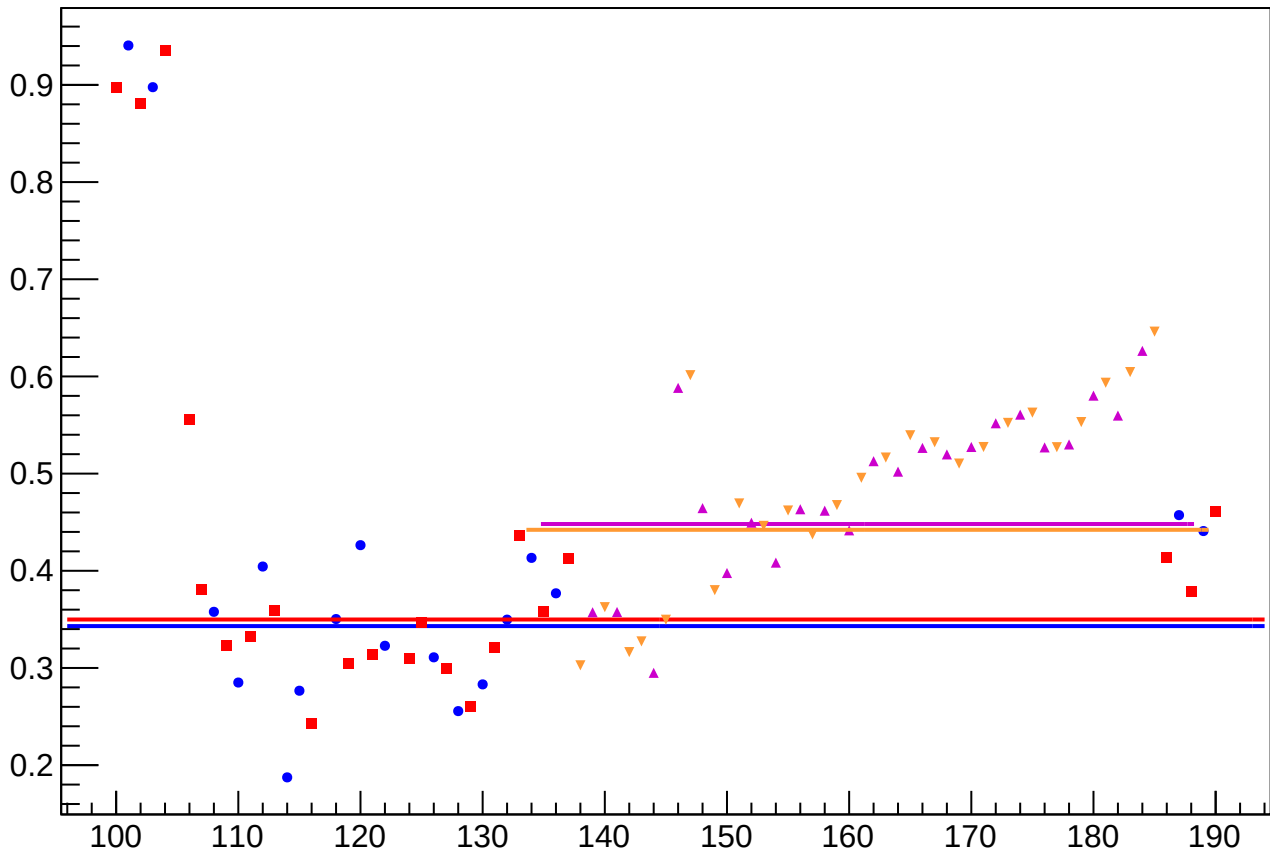
yield_bcm_dg_us_mean vs Slug



Right In: 145.547 $\pm$ 0.000 χ^2/NDF : 3494270516.4/17
 Left Out: 147.804 $\pm$ 0.000 χ^2/NDF : 327059704.2/24
 Right Out: 142.891 $\pm$ 0.000 χ^2/NDF : 7565352878.8/21
 Left In: 147.241 $\pm$ 0.000 χ^2/NDF : 618679483.9/22

+ sign 146.950 $\pm$ 0.000 χ^2/NDF : 3997794177.7/42
 All: 146.170 $\pm$ 0.000 χ^2/NDF : 13043232256.
 - sign 145.394 $\pm$ 0.000 χ^2/NDF : 8867076673.7/44

yield_bcm_dg_us_rms vs Slug



Right In: 0.343 $\pm$ 0.000 χ^2 /NDF: 1442863.6/17

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF:1704199.1/24

Right Out: 0.350 $\pm$ 0.000 χ^2 /NDF: 1350790.7/21

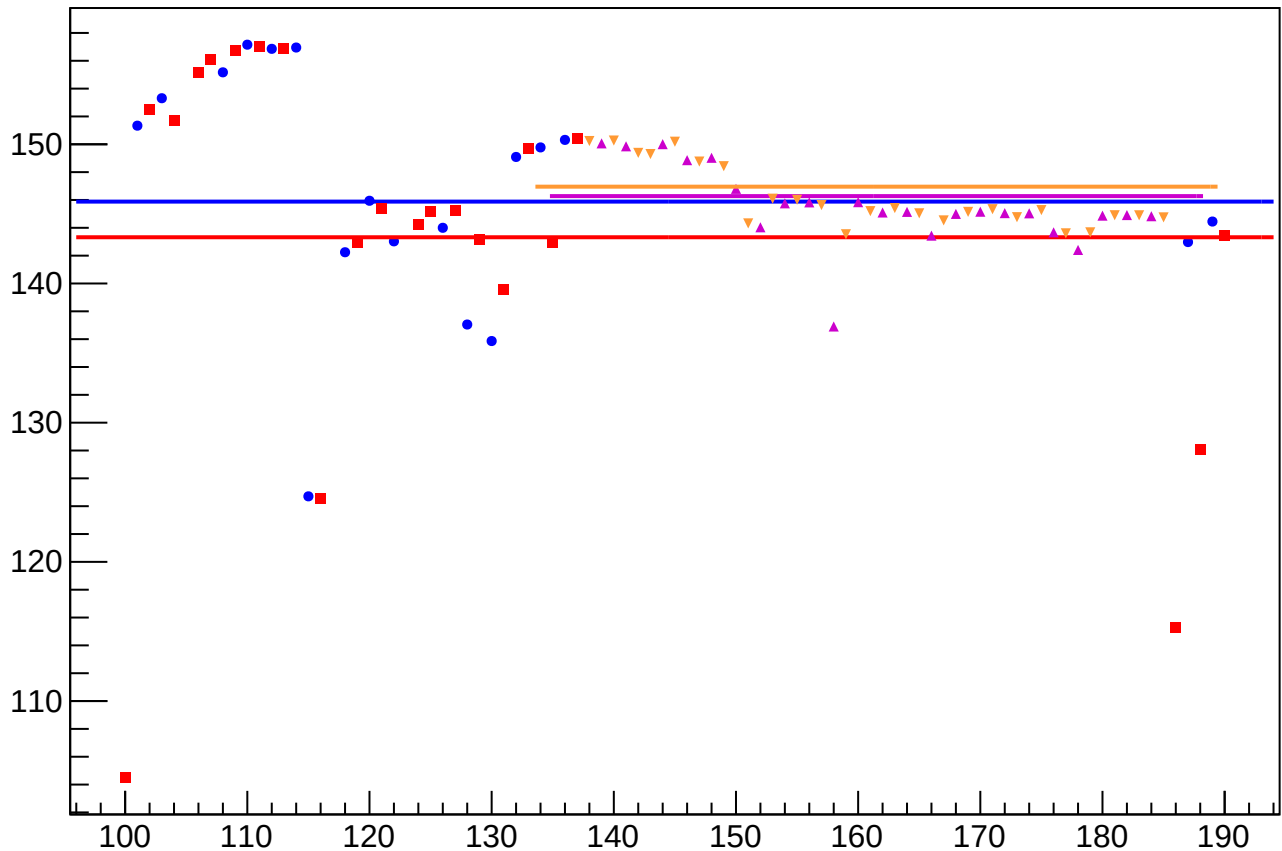
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1347802.9/22

+ sign 0.405 $\pm$ 0.000 χ^2 /NDF: 3826795.3/42

All: 0.406 $\pm$ 0.000 χ^2 /NDF: 7222990.9/87

- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 3395737.3/44

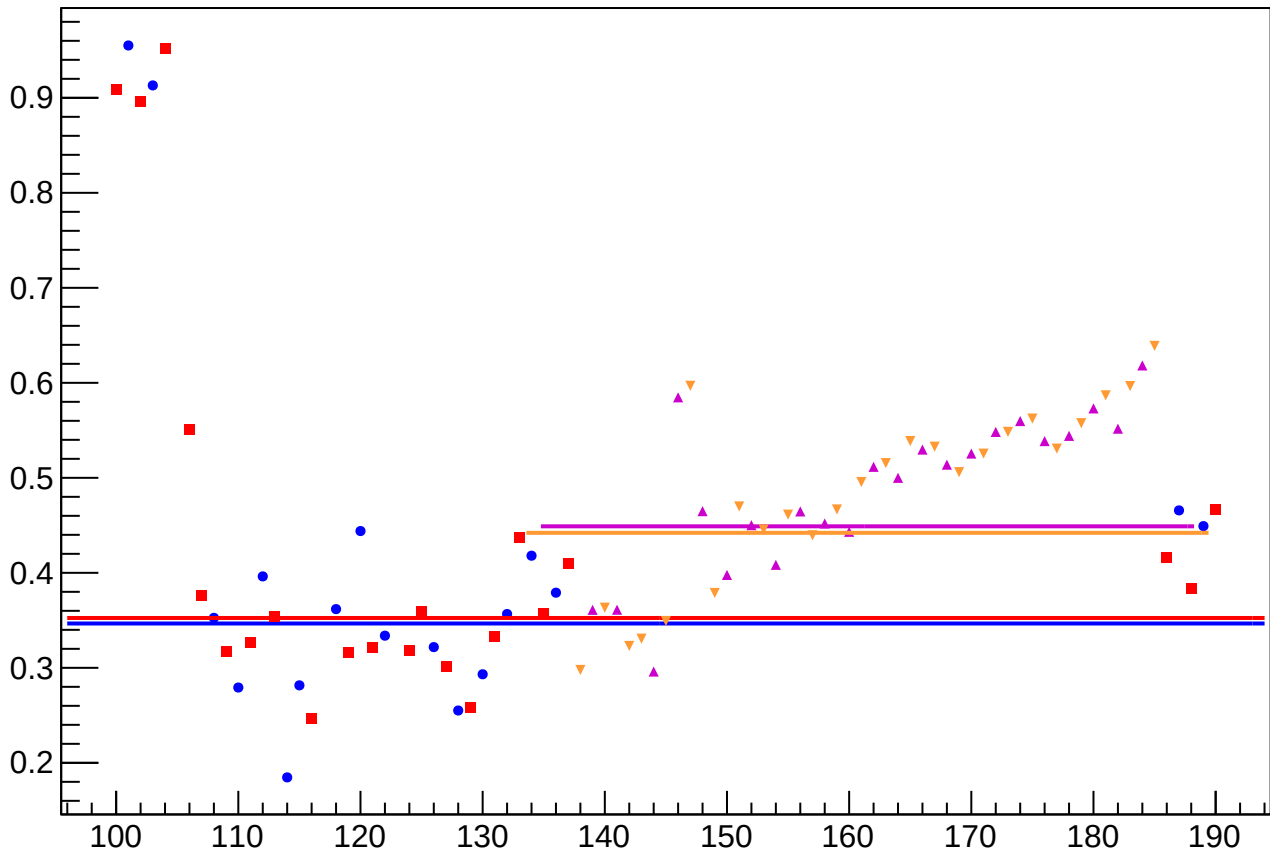
yield_bcm_dg_ds_mean vs Slug



Right In: 145.883 ± 0.000 χ^2/NDF : 3633669343.1/17
 Left Out: 146.956 ± 0.000 χ^2/NDF : 542800379.5/24
 Right Out: 143.321 ± 0.000 χ^2/NDF : 7649409683.9/21
 Left In: 146.278 ± 0.000 χ^2/NDF : 825161532.5/22

+ sign 146.556 ± 0.000 χ^2/NDF : 4215742377.1/42
 All: 145.793 ± 0.000 χ^2/NDF : 13171689474.
 - sign 145.033 ± 0.000 χ^2/NDF : 8786554184.7/44

yield_bcm_dg_ds_rms vs Slug



Right In: 0.347 ± 0.000 χ^2/NDF : 1469167.3/17

Left Out: 0.442 ± 0.000 χ^2/NDF : 1676682.9/24

Right Out: 0.352 ± 0.000 χ^2/NDF : 1349414.7/21

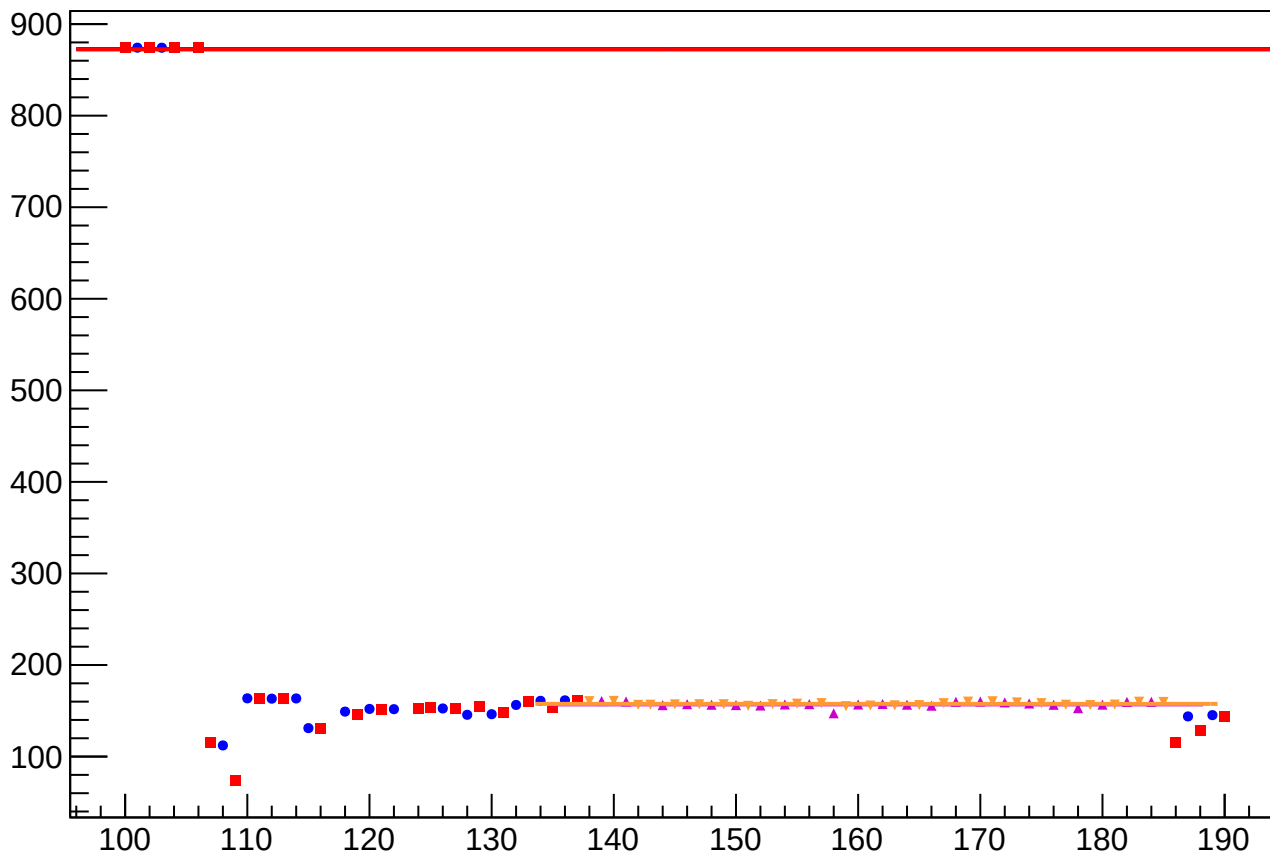
Left In: 0.449 ± 0.000 χ^2/NDF : 1300658.3/22

+ sign 0.407 ± 0.000 χ^2/NDF : 3767052.7/42

All: 0.407 ± 0.000 χ^2/NDF : 7082002.1/87

- sign 0.408 ± 0.000 χ^2/NDF : 3314472.5/44

yield_cav4bQ_mean vs Slug



Right In: 872.716+/-0.000 χ^2/NDF : 7740286060919.9/17

Left Out: 157.566+/-0.000 χ^2/NDF : 104641292.0/24

Right Out: 872.382+/-0.000 χ^2/NDF : 10964574914186.6/21

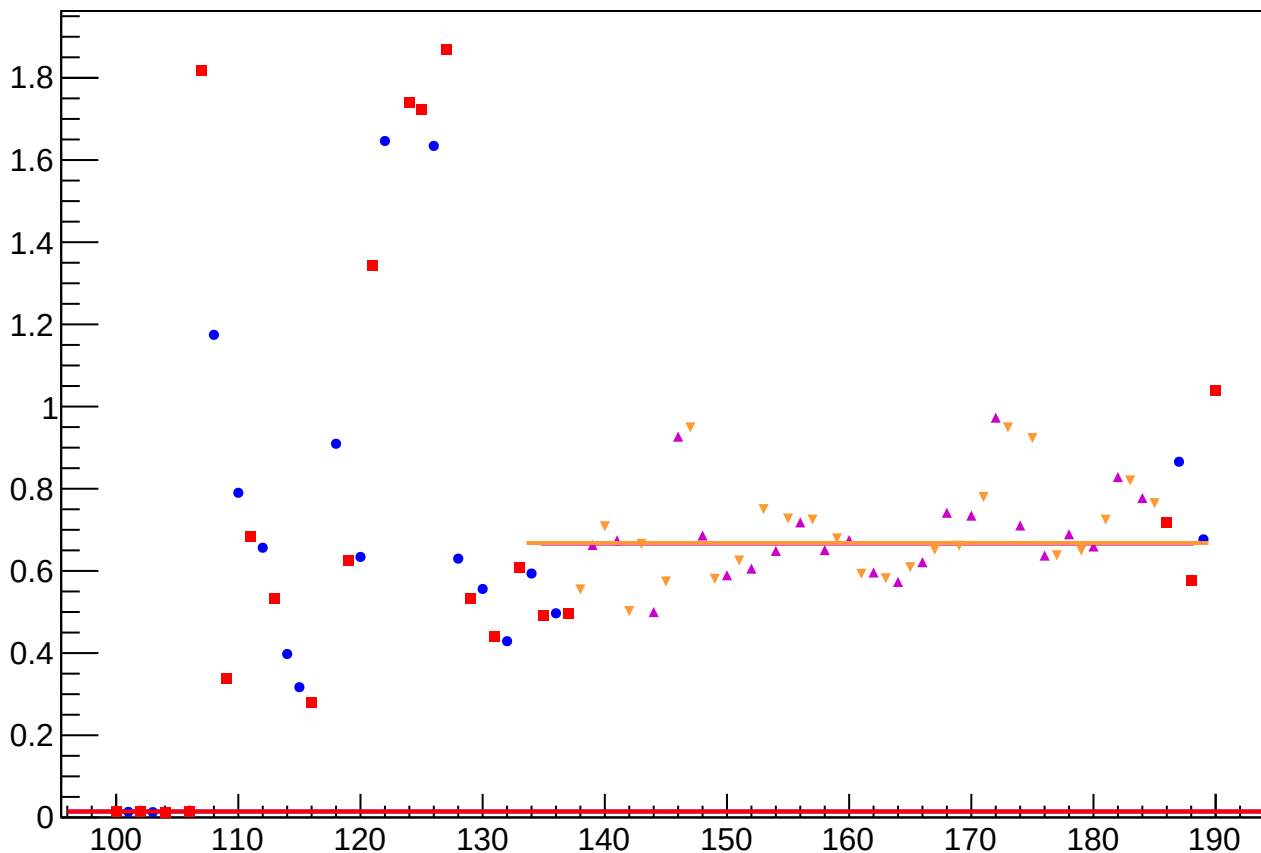
Left In: 157.013+/-0.000 χ^2/NDF : 239819941.9/22

+ sign 869.332+/-0.000 χ^2/NDF : 24986314589974.0

All: 869.459+/-0.000 χ^2/NDF : 524714232539.0

- sign 869.570+/-0.000 χ^2/NDF : 27484891250139.3

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 10641033.3/17

Left Out: 0.668+/-0.000 χ^2/NDF : 681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF : 11987495.6/21

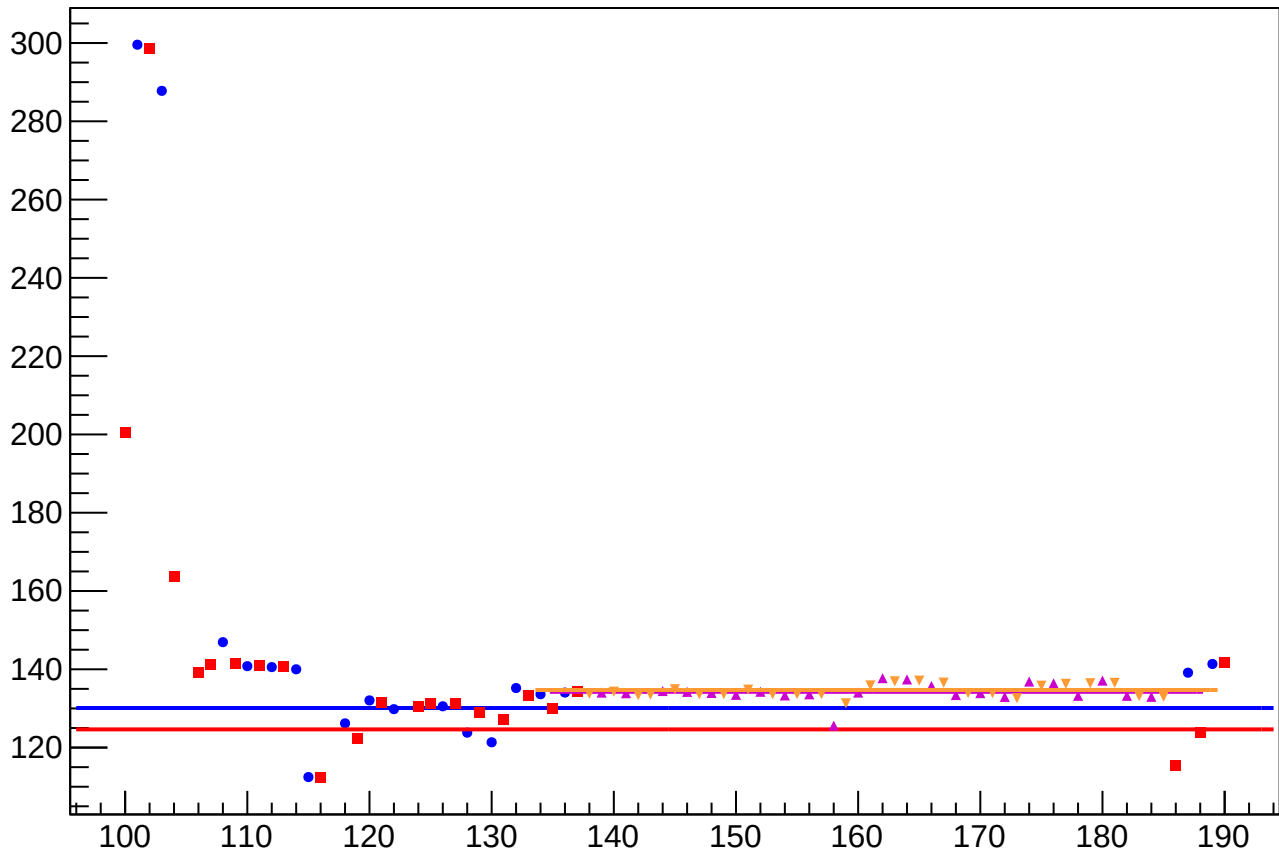
Left In: 0.666+/-0.000 χ^2/NDF : 536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF : 40123415.3/42

All: 0.017+/-0.000 χ^2/NDF : 80093204.6/87

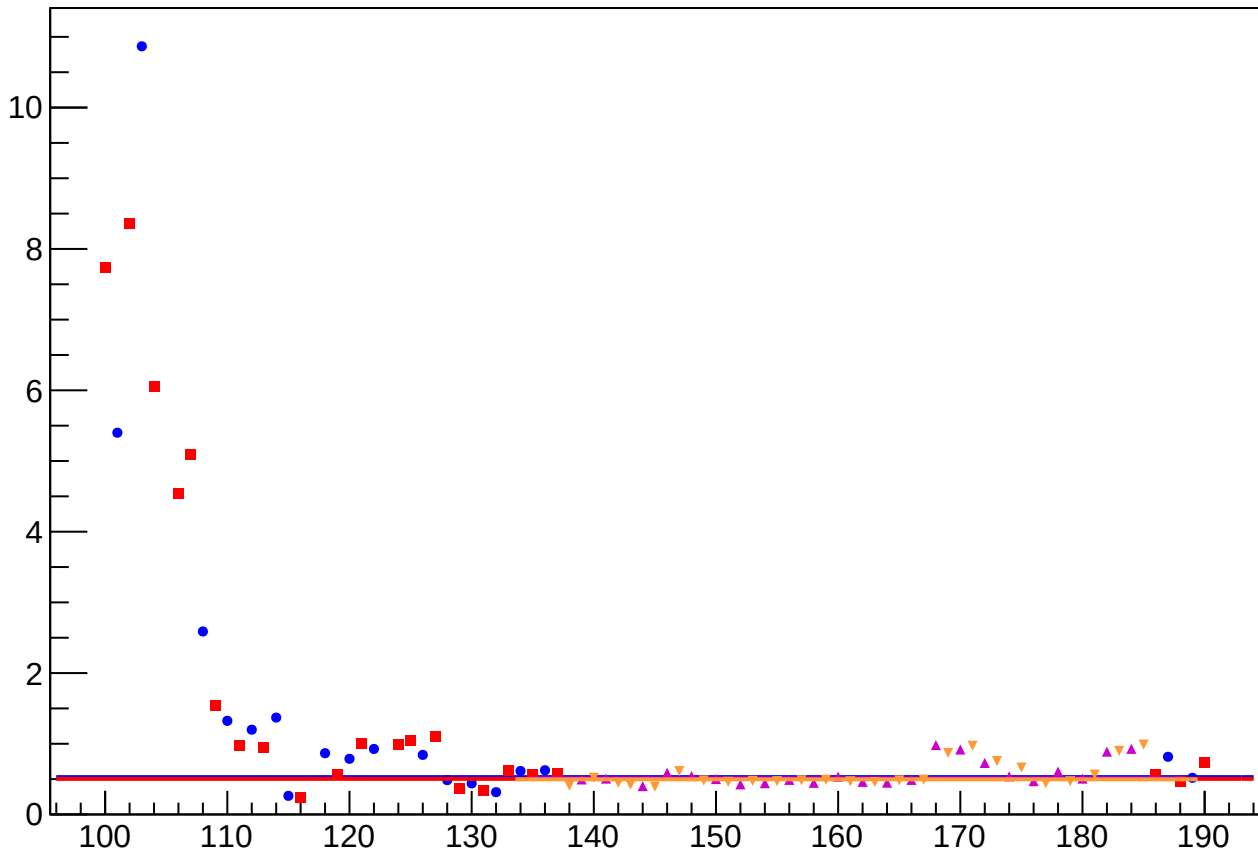
- sign 0.017+/-0.000 χ^2/NDF : 39967652.3/44

yield_cav4cQ_mean vs Slug



Right In: 130.111 $\pm$ 0.000 χ^2 /NDF: 1890053541.3/17
 Left Out: 134.714 $\pm$ 0.000 χ^2 /NDF: 159886495.0/24
 Right Out: 124.646 $\pm$ 0.000 χ^2 /NDF: 1622734943.9/21
 Left In: 134.250 $\pm$ 0.000 χ^2 /NDF: 441522664.4/22
 + sign 133.867 $\pm$ 0.000 χ^2 /NDF: 2310746412.0/42
 All: 132.917 $\pm$ 0.000 χ^2 /NDF: 5867489325.9
 - sign 131.938 $\pm$ 0.000 χ^2 /NDF: 3406398312.0/44

yield_cav4cQ_rms vs Slug



Right In: 0.528 $\pm$ 0.000 χ^2 /NDF: 4178558.0/17

Left Out: 0.497 $\pm$ 0.000 χ^2 /NDF:1572512.9/24

Right Out: 0.504 $\pm$ 0.000 χ^2 /NDF: 4949328.1/21

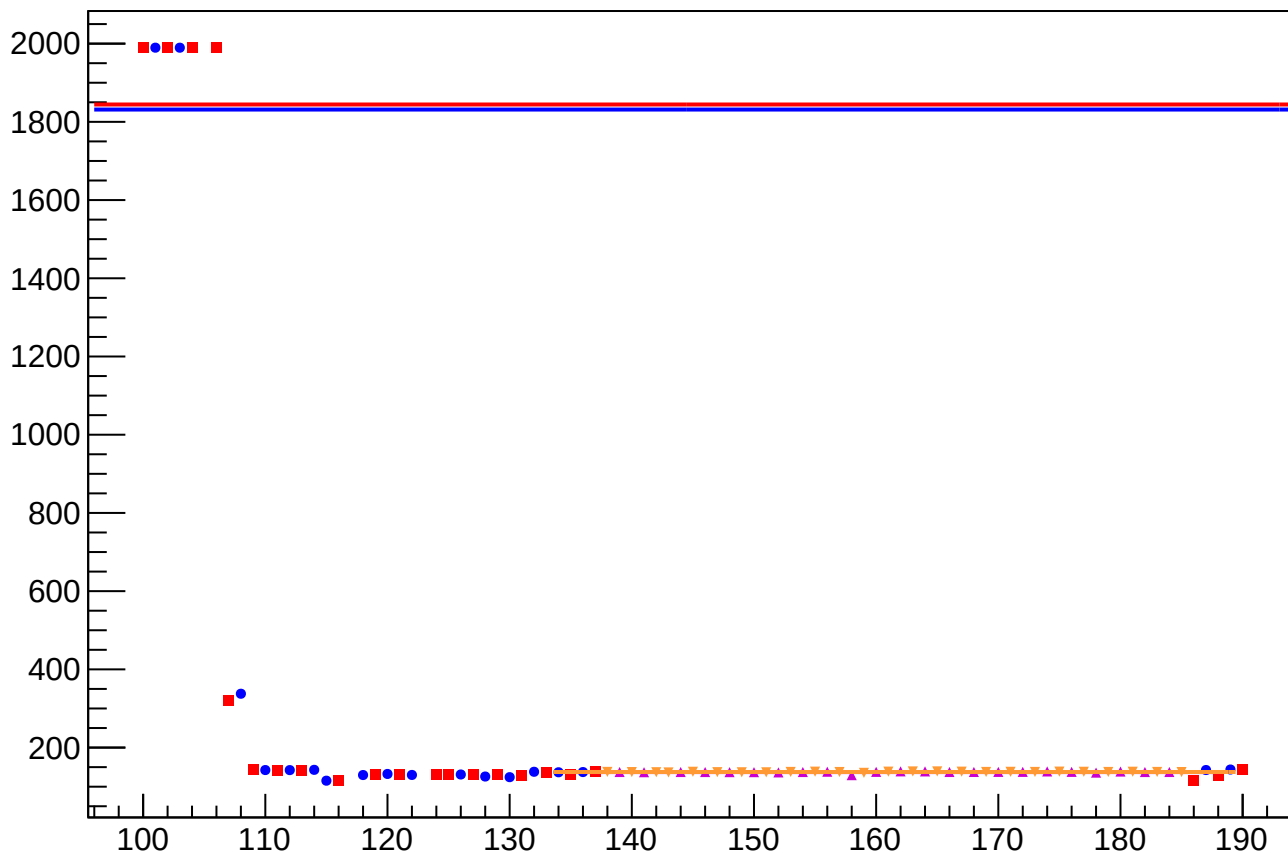
Left In: 0.510 $\pm$ 0.000 χ^2 /NDF:1485489.4/22

+ sign 0.503 $\pm$ 0.000 χ^2 /NDF: 5774974.0/42

All: 0.505 $\pm$ 0.000 χ^2 /NDF: 12213268.1/87

- sign 0.508 $\pm$ 0.000 χ^2 /NDF: 6435829.8/44

yield_cav4dQ_mean vs Slug



Right In: 1831.452+/-0.000 χ^2/NDF : 153974209549040.8/17

Left Out: 137.578+/-0.000 χ^2/NDF : 64111345.2/24

Right Out: 1844.360+/-0.000 χ^2/NDF : 167782595627532.7/21

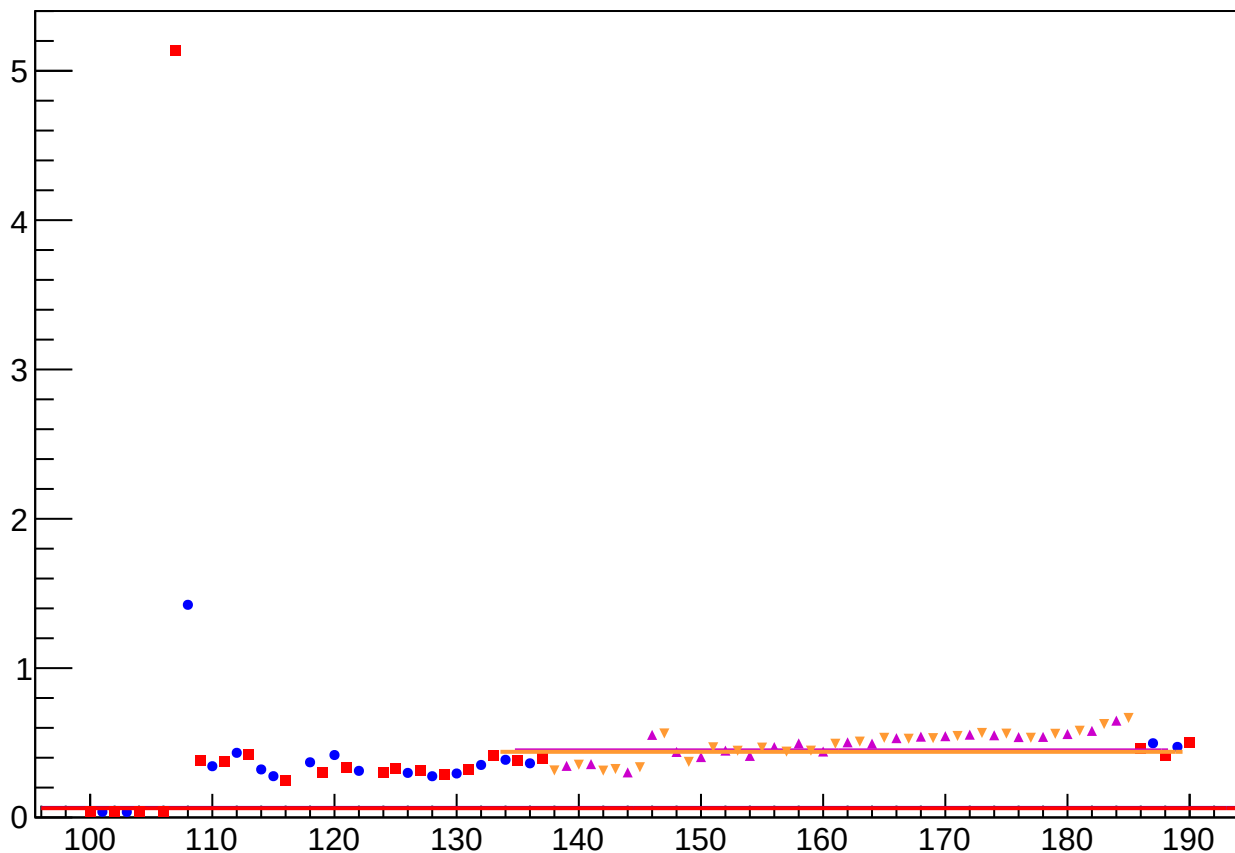
Left In: 137.349+/-0.000 χ^2/NDF : 248752254.7/22

+ sign 1595.308+/-0.000 χ^2/NDF : 38322928859323

All: 1626.311+/-0.000 χ^2/NDF : 77189542484

- sign 1653.507+/-0.000 χ^2/NDF : 38746448336629

yield_cav4dQ_rms vs Slug



Right In: 0.064 $\pm$ 0.000 χ^2 /NDF: 9146757.5/17

Left Out: 0.440 $\pm$ 0.000 χ^2 /NDF:1765604.0/24

Right Out: 0.062 $\pm$ 0.000 χ^2 /NDF: 10157534.1/21

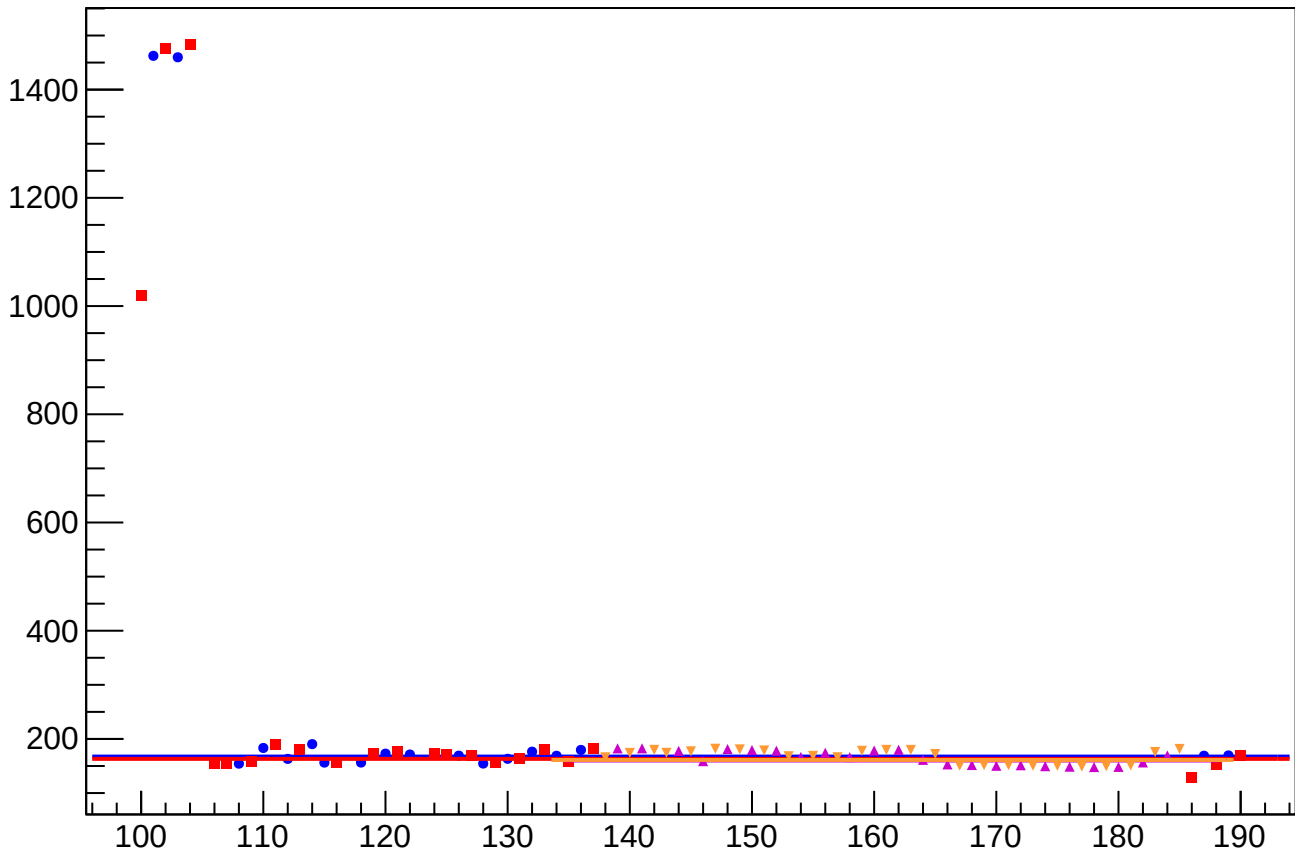
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1340860.2/22

+ sign 0.116 $\pm$ 0.000 χ^2 /NDF: 33473278.0/42

All: 0.110 $\pm$ 0.000 χ^2 /NDF: 67667207.1/87

- sign 0.105 $\pm$ 0.000 χ^2 /NDF: 34109830.3/44

yield_bcm0l02_mean vs Slug



Right In: 167.392 $\pm$ 0.000 χ^2 /NDF: 14619817483.4/17

Left Out: 161.147 $\pm$ 0.000 χ^2 /NDF: 3739064587.8/24

Right Out: 163.189 $\pm$ 0.000 χ^2 /NDF: 17314284656.9/21

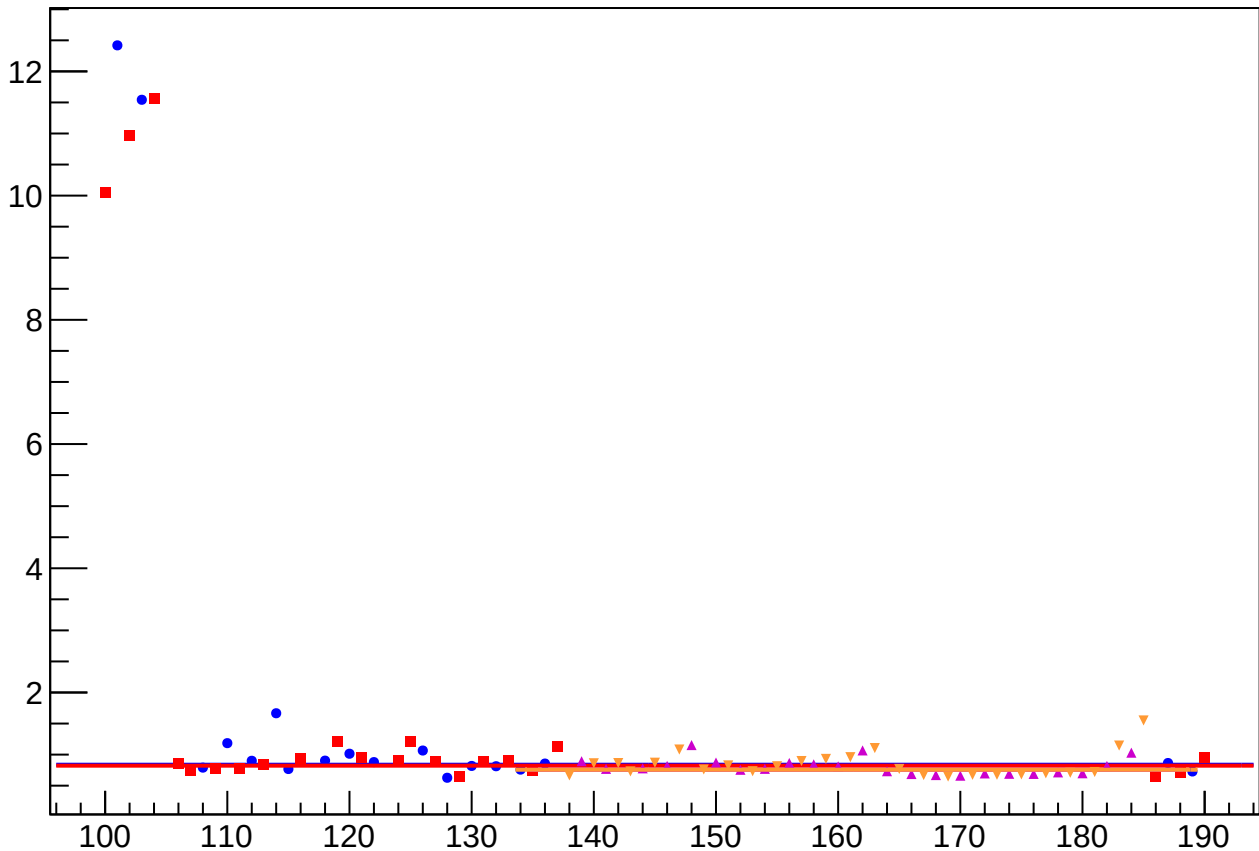
Left In: 160.140 $\pm$ 0.000 χ^2 /NDF: 3738383186.1/22

+ sign 162.419 $\pm$ 0.000 χ^2 /NDF: 18553552982.5/42

All: 161.654 $\pm$ 0.000 χ^2 /NDF: 39696996358.0

- sign 160.906 $\pm$ 0.000 χ^2 /NDF: 21107777825.5/44

yield_bcm0l02_rms vs Slug



Right In: 0.837 ± 0.000 $\chi^2/\text{NDF}: 2324360.7/17$

Left Out: 0.756 ± 0.000 $\chi^2/\text{NDF}: 750259.3/24$

Right Out: 0.822 ± 0.000 $\chi^2/\text{NDF}: 2312763.9/21$

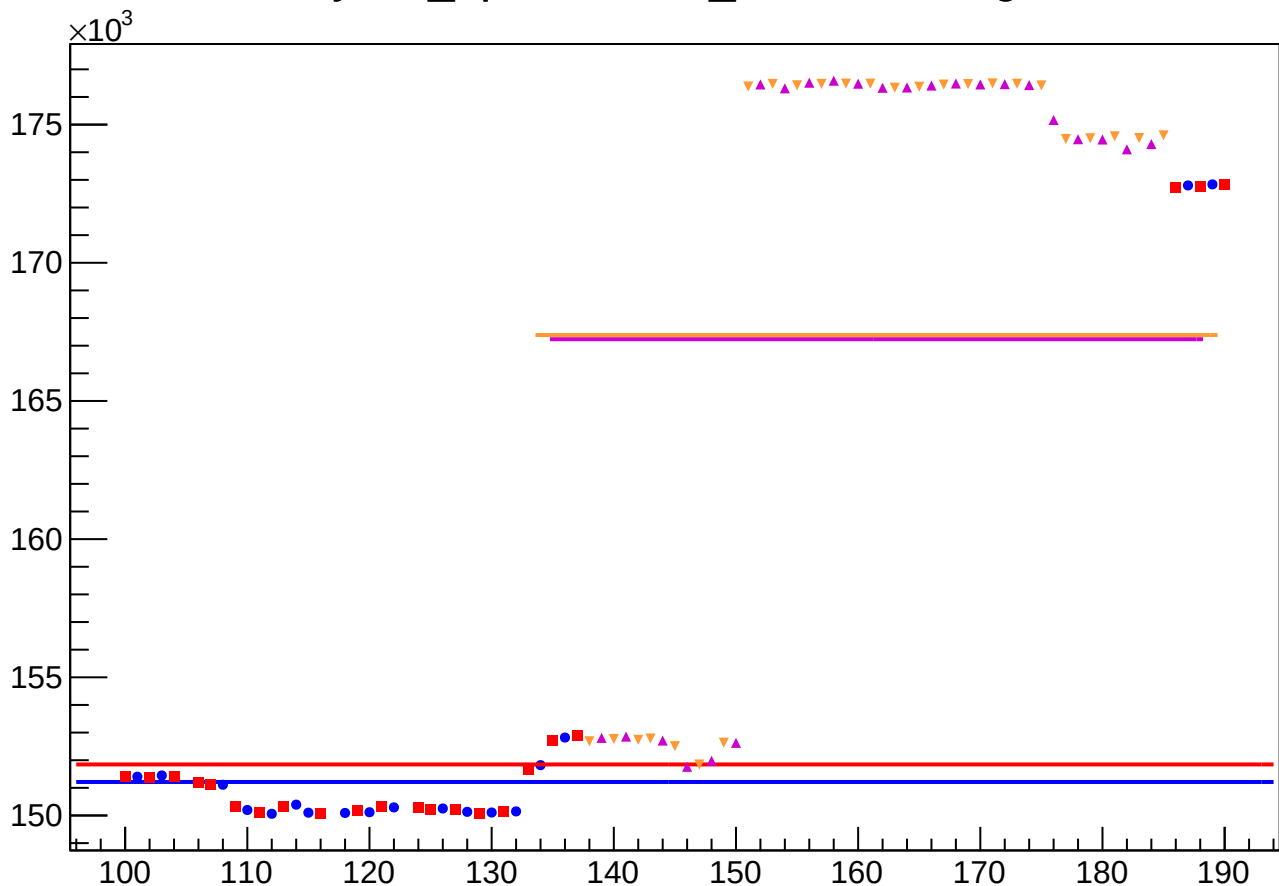
Left In: 0.755 ± 0.000 $\chi^2/\text{NDF}: 472792.1/22$

+ sign 0.773 ± 0.000 $\chi^2/\text{NDF}: 3139920.7/42$

All: 0.772 ± 0.000 $\chi^2/\text{NDF}: 5977952.0/87$

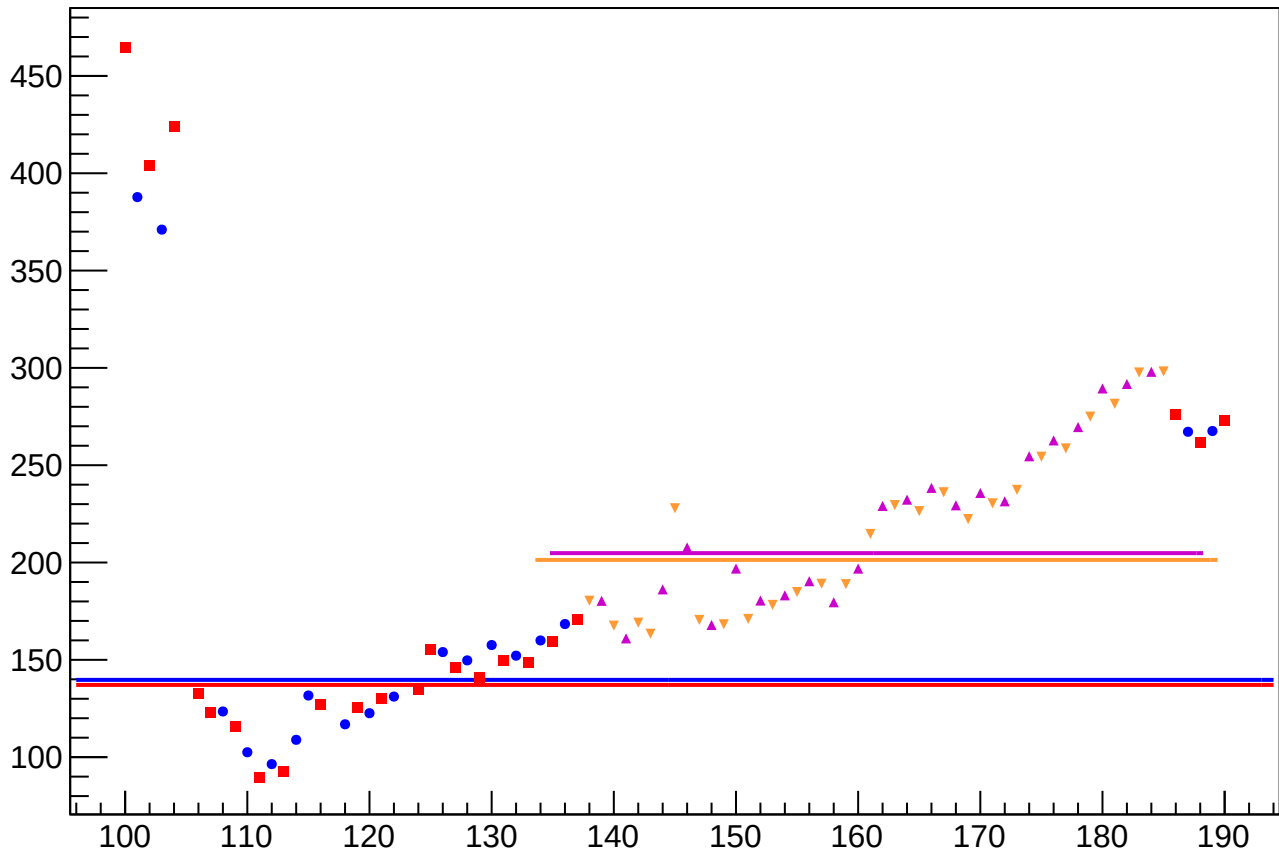
- sign 0.772 ± 0.000 $\chi^2/\text{NDF}: 2838019.2/44$

yield_bpm2i01WS_mean vs Slug



Right In: 151212.768 $\pm$ 0.054 χ^2 /NDF: 5044604678.4/17
 Left Out: 167385.483 $\pm$ 0.047 χ^2 /NDF: 59602607546.2/24
 Right Out: 151846.693 $\pm$ 0.049 χ^2 /NDF: 11174213078.4/21
 Left In: 167234.214 $\pm$ 0.049 χ^2 /NDF: 55099214555.0/22
 + sign 160432.643 $\pm$ 0.035 χ^2 /NDF: 116135373089
 All: 160028.756 $\pm$ 0.025 χ^2 /NDF: 231617954
 - sign 159636.537 $\pm$ 0.035 χ^2 /NDF: 115224324554

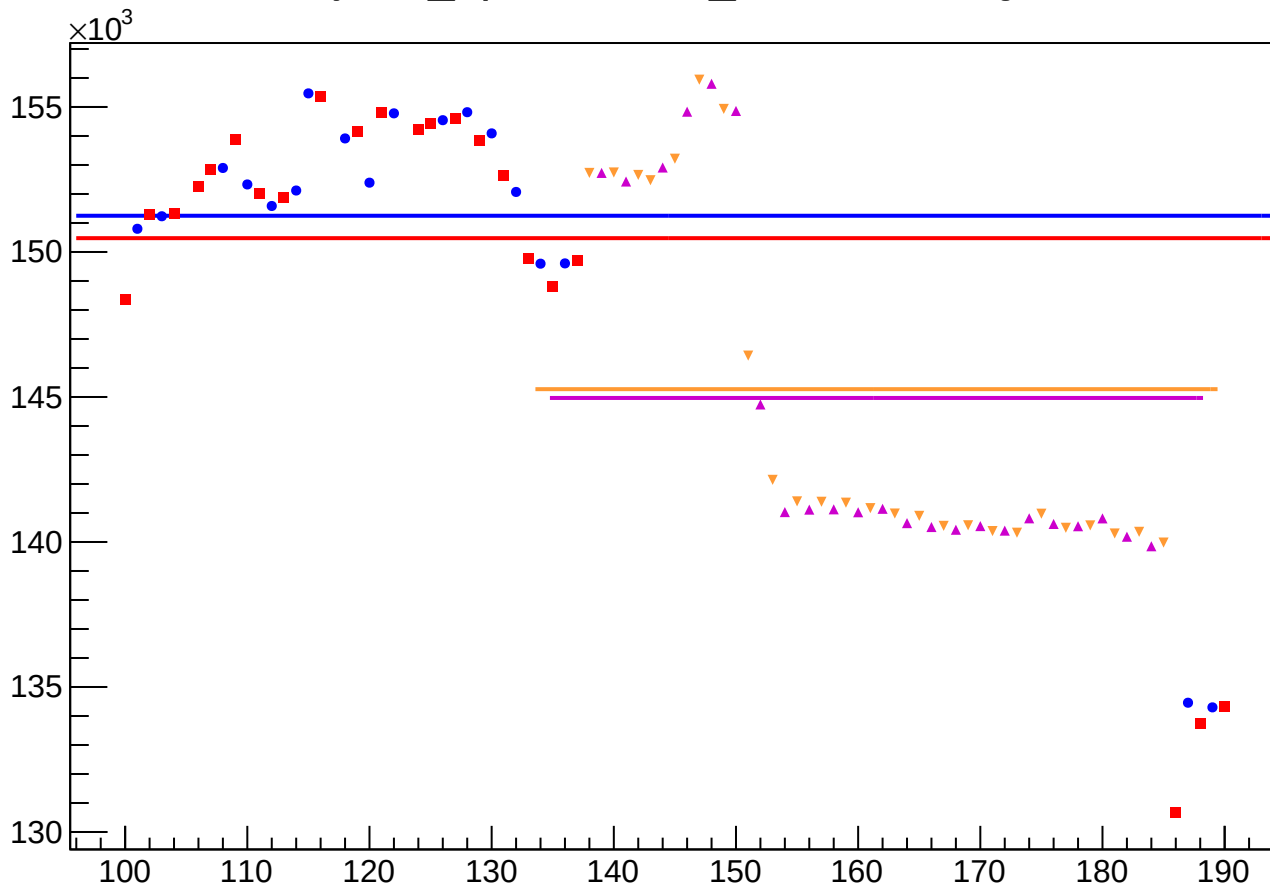
yield_bpm2i01WS_rms vs Slug



Right In: 139.704 +/- 0.038 χ^2/NDF : 1752274.6/17
 Left Out: 201.329 +/- 0.033 χ^2/NDF : 1230655.6/24
 Right Out: 137.118 +/- 0.035 χ^2/NDF : 2464476.6/21
 Left In: 204.826 +/- 0.035 χ^2/NDF : 1053130.7/22

+ sign 174.835 +/- 0.025 χ^2/NDF : 4478080.7/42
 All: 173.090 +/- 0.018 χ^2/NDF : 9900869.6/87
 - sign 171.395 +/- 0.025 χ^2/NDF : 5413141.8/44

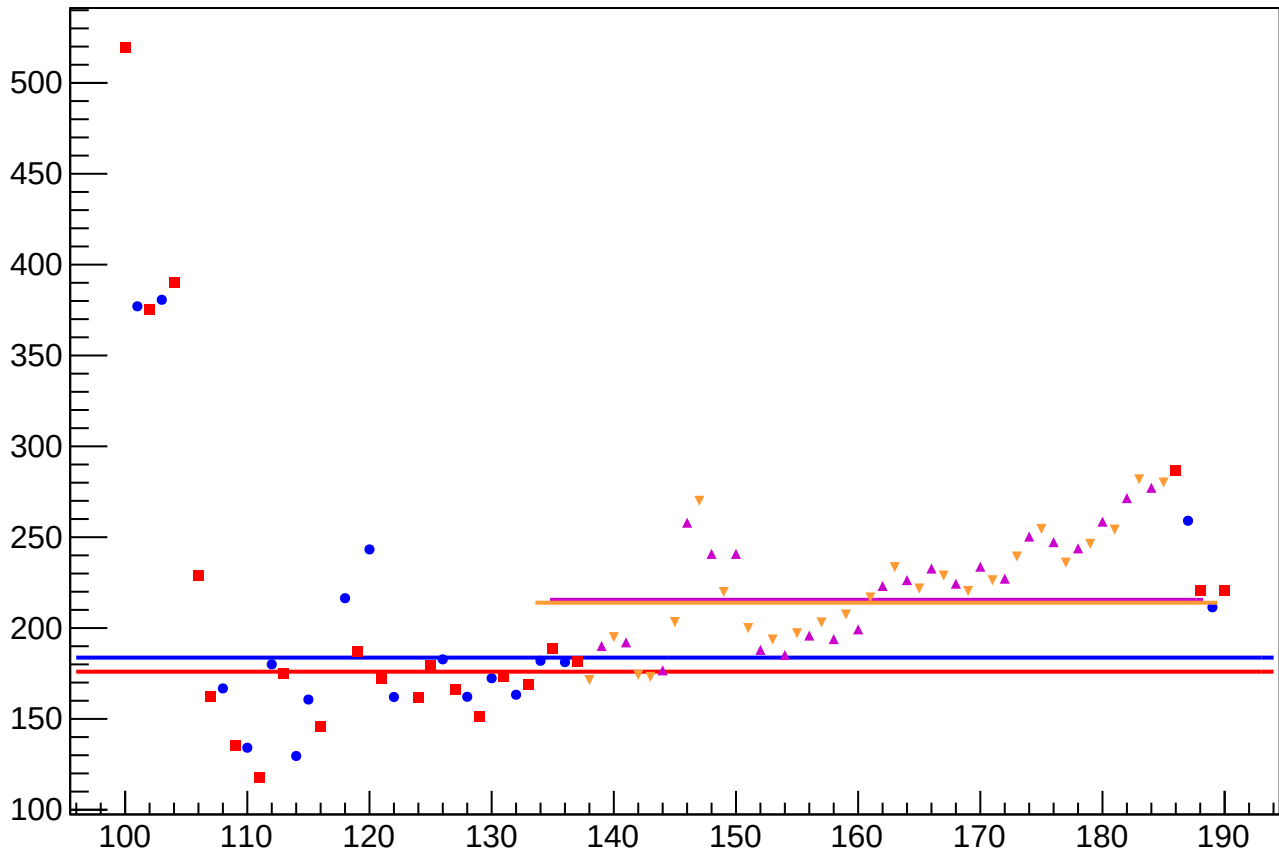
yield_bpm0i07WS_mean vs Slug



Right In: 151249.437 $\pm$ 0.070 χ^2 /NDF: 5137757260.5/17
 Left Out: 145269.857 $\pm$ 0.049 χ^2 /NDF: 13706269279.5/24
 Right Out: 150476.581 $\pm$ 0.062 χ^2 /NDF: 11119924987.5/21
 Left In: 144966.398 $\pm$ 0.051 χ^2 /NDF: 13154547043.3/22

+ sign 147257.828 $\pm$ 0.040 χ^2 /NDF: 23717579097.1
 - sign 147180.147 $\pm$ 0.040 χ^2 /NDF: 28926929805.1
 All: 147218.262 $\pm$ 0.028 χ^2 /NDF: 526463965.1

yield_bpm0i07WS_rms vs Slug



Right In: 183.738 $\pm$ 0.049 χ^2 /NDF: 959467.7/17

Left Out: 213.951 $\pm$ 0.035 χ^2 /NDF: 650607.8/24

Right Out: 175.994 $\pm$ 0.044 χ^2 /NDF: 1342463.0/21

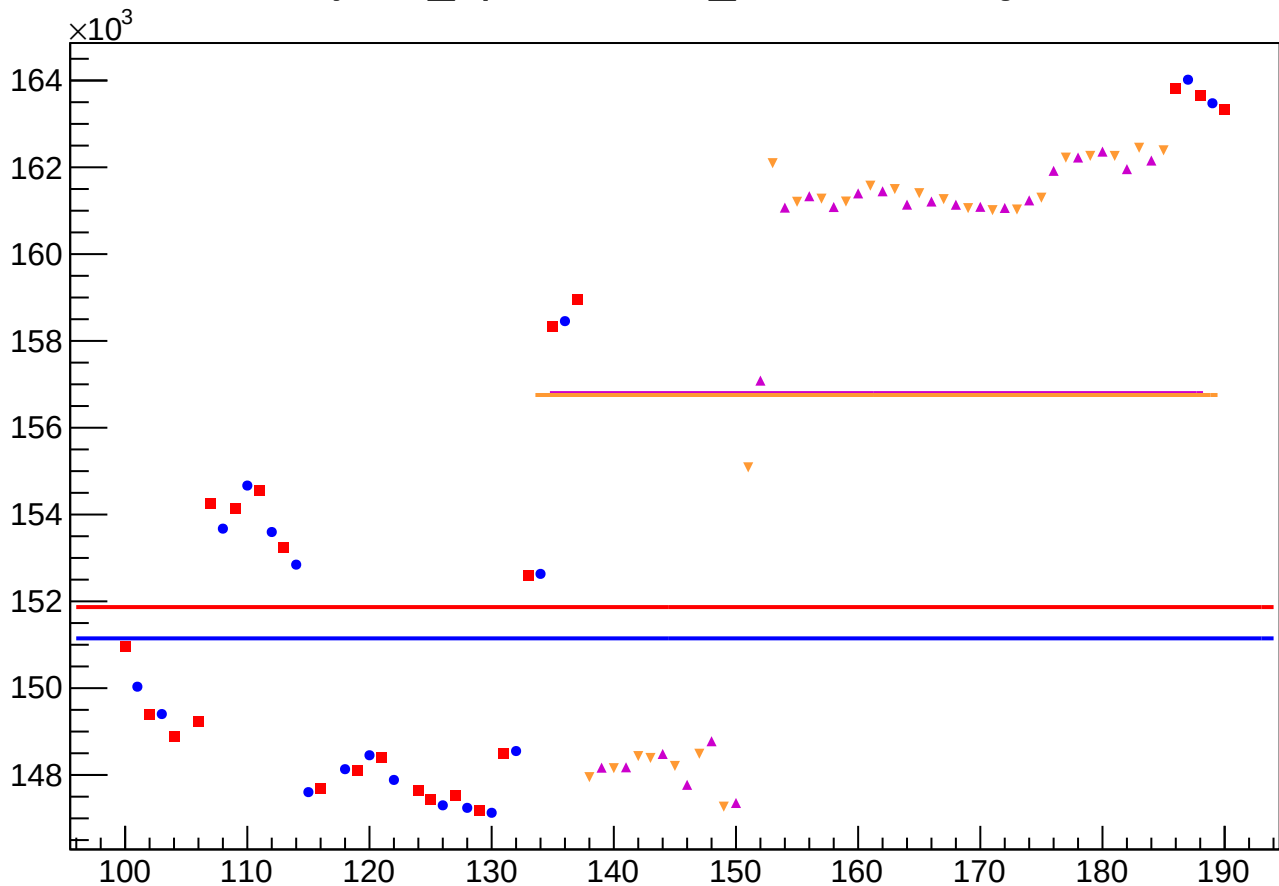
Left In: 215.539 $\pm$ 0.036 χ^2 /NDF: 600575.7/22

+ sign 203.907 $\pm$ 0.029 χ^2 /NDF: 1858913.3/42

All: 201.739 $\pm$ 0.020 χ^2 /NDF: 4292525.8/87

- sign 199.651 $\pm$ 0.028 χ^2 /NDF: 2422283.6/44

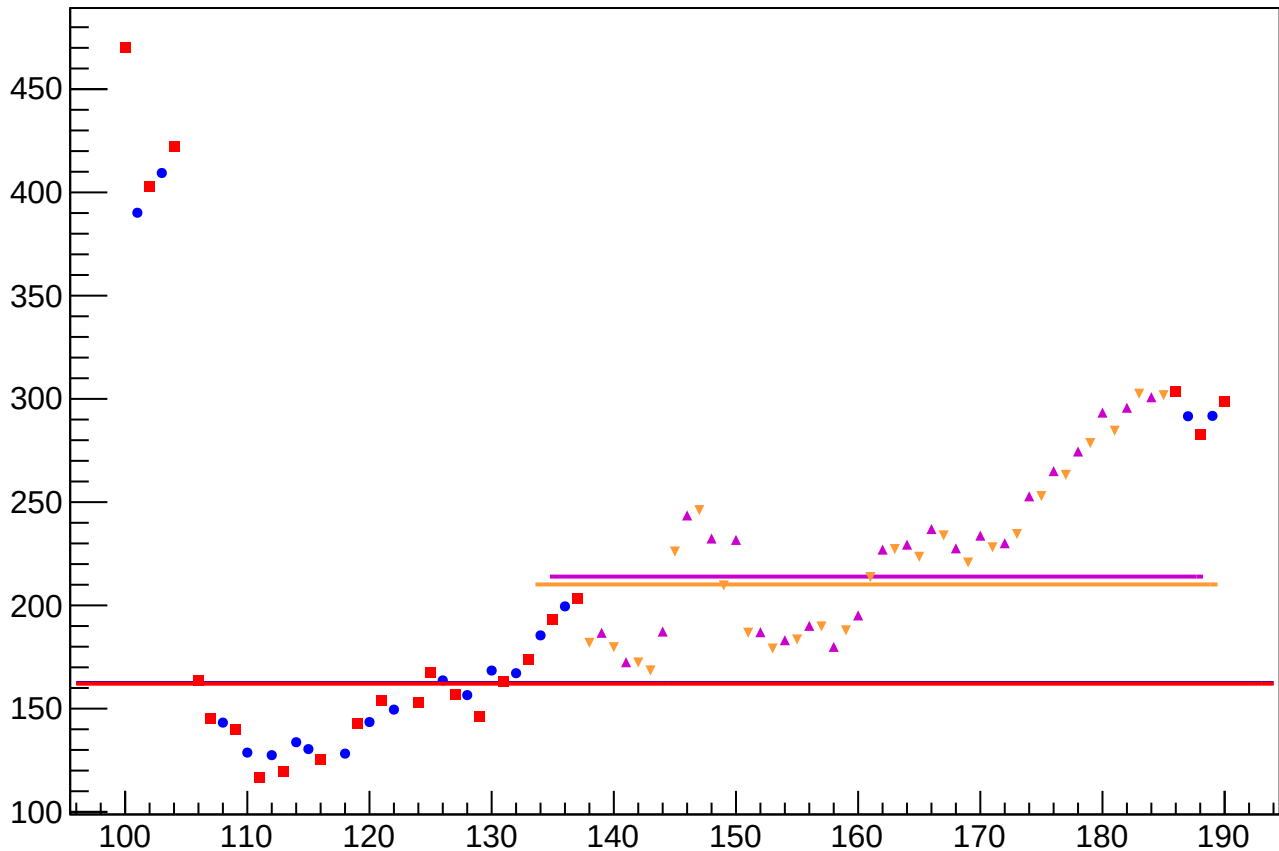
yield_bpm0i01WS_mean vs Slug



Right In: 151147.167 ± 0.062 $\chi^2/\text{NDF}: 4632204751.3/17$
 Left Out: 156754.233 ± 0.049 $\chi^2/\text{NDF}: 16380807583.4/24$
 Right Out: 151867.821 ± 0.058 $\chi^2/\text{NDF}: 6257804489.1/21$
 Left In: 156798.005 ± 0.051 $\chi^2/\text{NDF}: 14344098884.4/22$

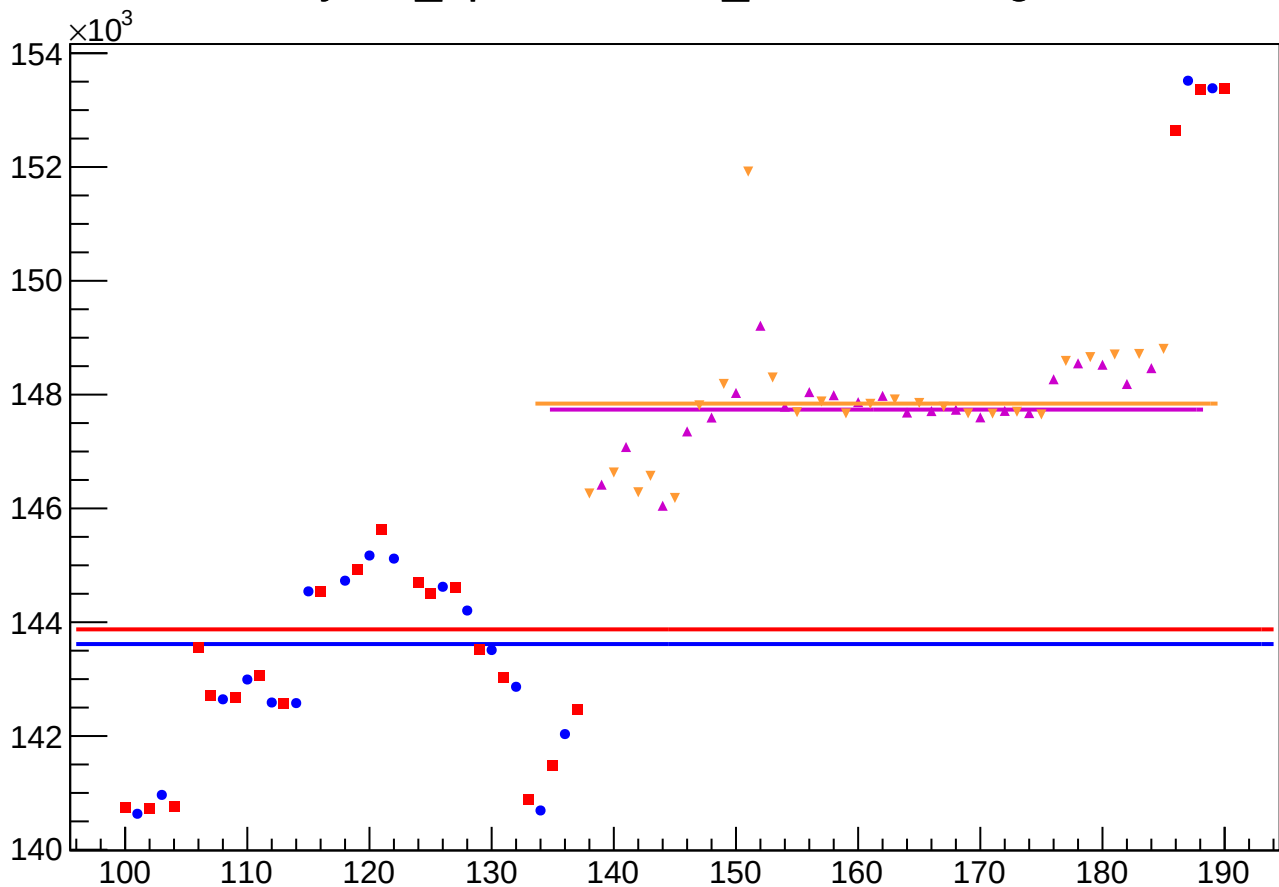
All: 154631.719 ± 0.027 $\chi^2/\text{NDF}: 507687259$
 + sign 154612.964 ± 0.038 $\chi^2/\text{NDF}: 26087994625$
 - sign 154650.511 ± 0.038 $\chi^2/\text{NDF}: 24680249823.4$

yield_bpm0i01WS_rms vs Slug



Right In: 162.429 $\pm$ 0.044	χ^2 /NDF: 1485472.9/17	+ sign 191.921 $\pm$ 0.027	χ^2 /NDF: 3218253.6/42
Left Out: 210.142 $\pm$ 0.034	χ^2 /NDF: 997802.7/24	All: 191.639 $\pm$ 0.019	χ^2 /NDF: 7007549.0/87
Right Out: 162.089 $\pm$ 0.041	χ^2 /NDF: 1972224.1/21	- sign 191.358 $\pm$ 0.027	χ^2 /NDF: 3789078.5/44
Left In: 213.945 $\pm$ 0.036	χ^2 /NDF: 914465.3/22		

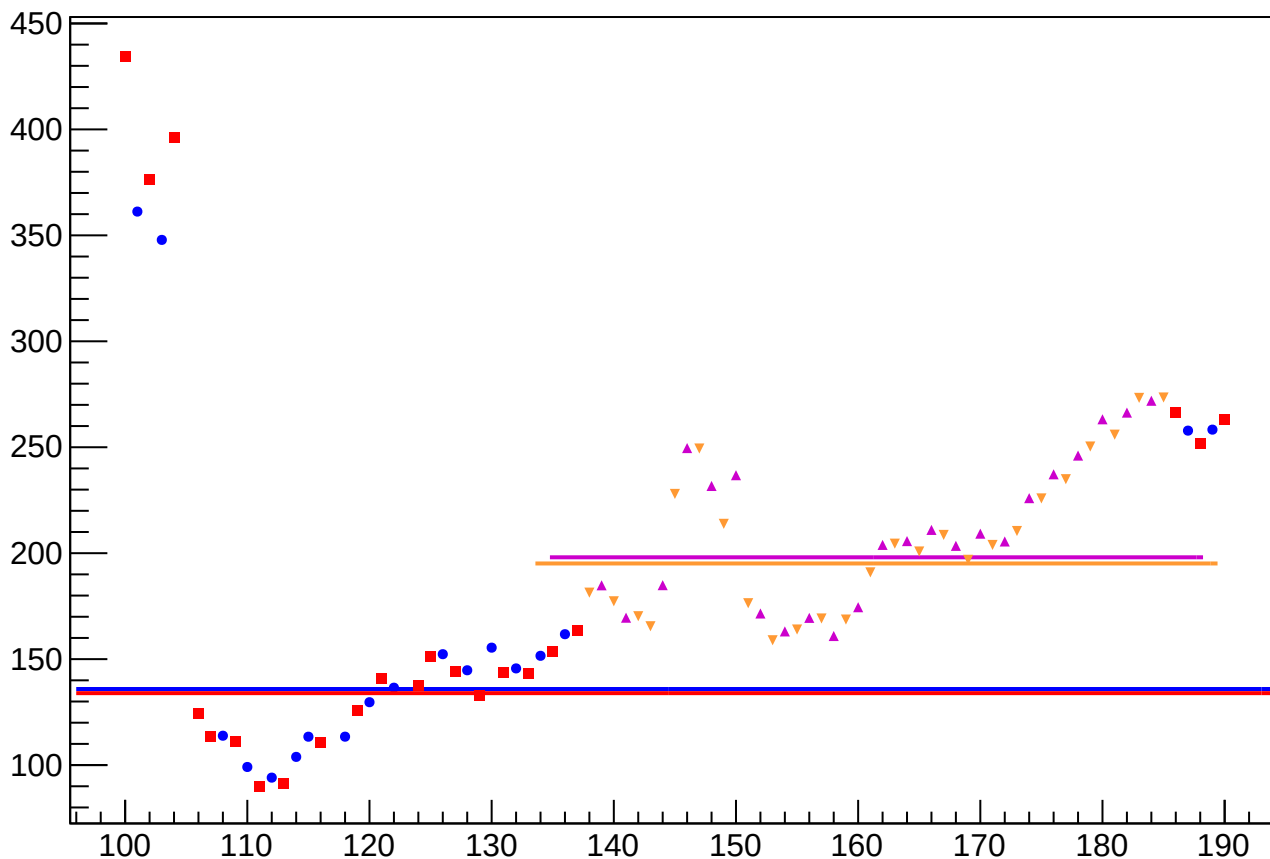
yield_bpm0i01aWS_mean vs Slug



Right In: 143616.184 ± 0.052 $\chi^2/\text{NDF}: 1620481427.3/17$
 Left Out: 147842.157 ± 0.045 $\chi^2/\text{NDF}: 713066054.2/24$
 Right Out: 143874.442 ± 0.048 $\chi^2/\text{NDF}: 2979915020.0/21$
 Left In: 147736.722 ± 0.047 $\chi^2/\text{NDF}: 227077133.0/22$

+ sign 146039.983 ± 0.034 $\chi^2/\text{NDF}: 6072757703.7$
 All: 145942.295 ± 0.024 $\chi^2/\text{NDF}: 125739383$
 - sign 145847.204 ± 0.034 $\chi^2/\text{NDF}: 6485059759.3$

yield_bpm0i01aWS_rms vs Slug



Right In: 135.903 $\pm$ 0.037 χ^2 /NDF: 1709434.2/17

Left Out: 195.145 $\pm$ 0.032 χ^2 /NDF: 903994.2/24

Right Out: 133.949 $\pm$ 0.034 χ^2 /NDF: 2369401.6/21

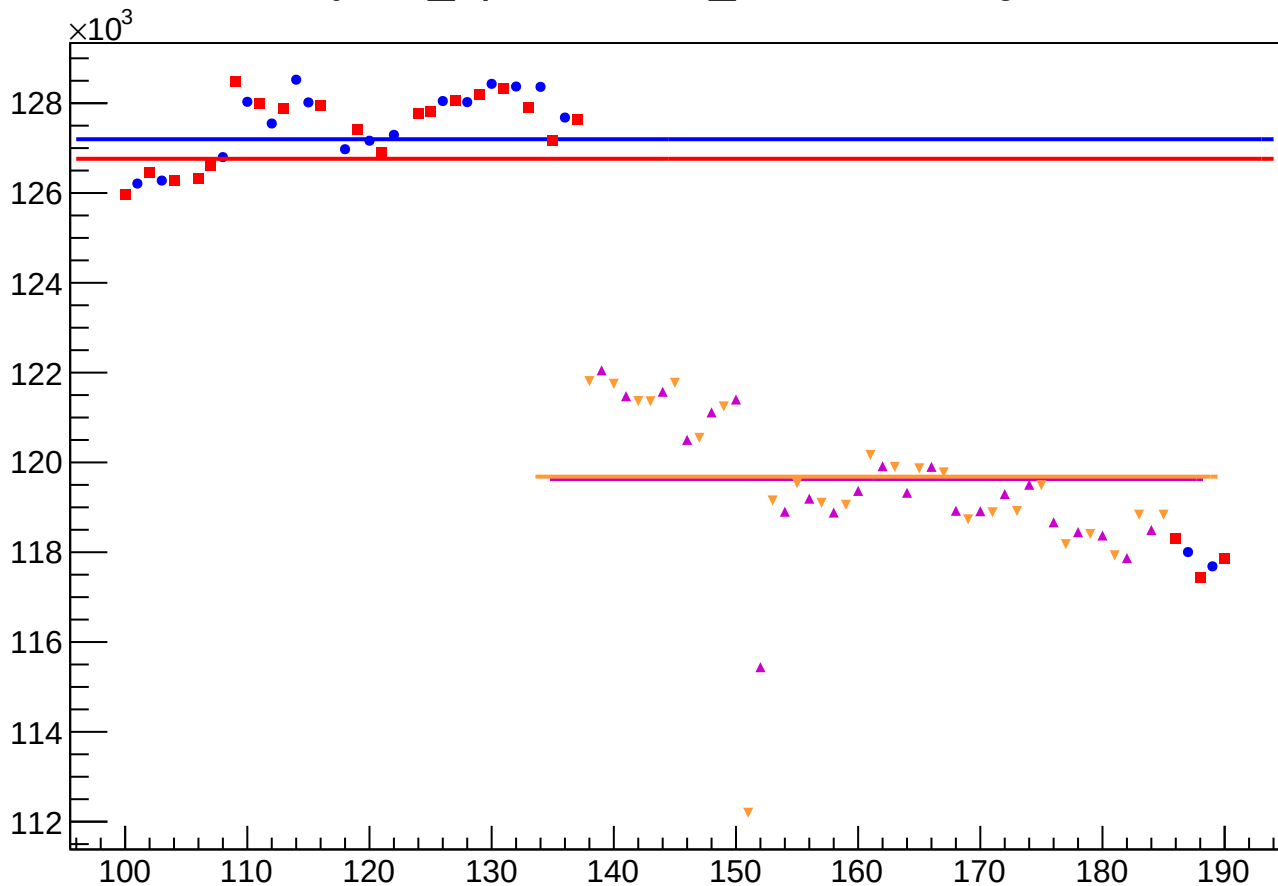
Left In: 198.057 $\pm$ 0.033 χ^2 /NDF: 900359.1/22

+ sign 169.882 $\pm$ 0.024 χ^2 /NDF: 4083091.7/42

All: 168.266 $\pm$ 0.017 χ^2 /NDF: 9167908.8/87

- sign 166.694 $\pm$ 0.024 χ^2 /NDF: 5076002.0/44

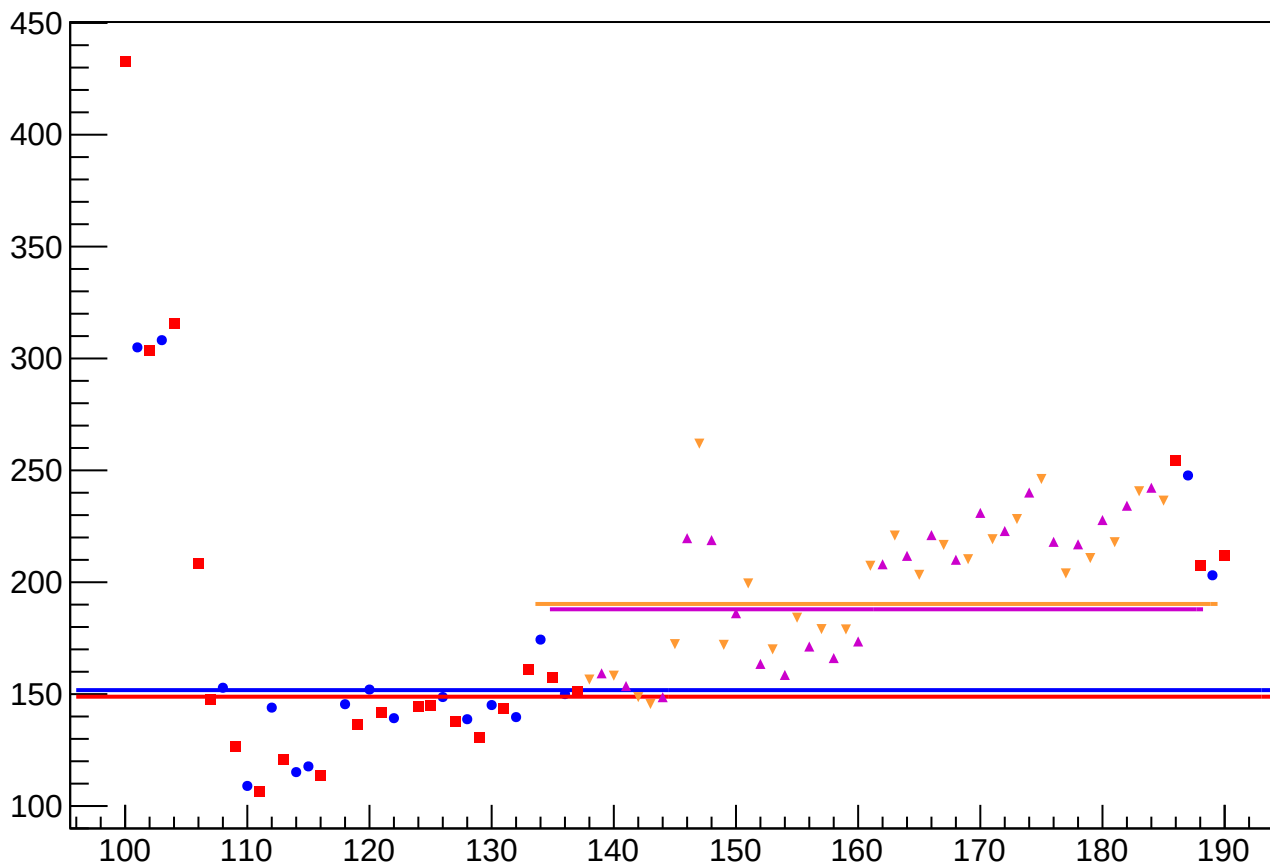
yield_bpm0l01WS_mean vs Slug



Right In: 127197.634 ± 0.057 $\chi^2/\text{NDF}: 1586271537.3/17$
 Left Out: 119683.519 ± 0.044 $\chi^2/\text{NDF}: 1985993997.6/24$
 Right Out: 126761.967 ± 0.052 $\chi^2/\text{NDF}: 3356180715.4/21$
 Left In: 119629.600 ± 0.045 $\chi^2/\text{NDF}: 1317214801.7/22$

+ sign 122515.950 ± 0.035 $\chi^2/\text{NDF}: 14434751677.7/24$
 - sign 122669.973 ± 0.034 $\chi^2/\text{NDF}: 15388588384.8/24$
 All: 122594.891 ± 0.024 $\chi^2/\text{NDF}: 298333000.0/24$

yield_bpm0l01WS_rms vs Slug



Right In: 151.792 $\pm$ 0.040 χ^2 /NDF: 954845.7/17

Left Out: 190.298 $\pm$ 0.031 χ^2 /NDF: 924542.3/24

Right Out: 148.852 $\pm$ 0.037 χ^2 /NDF: 1387455.4/21

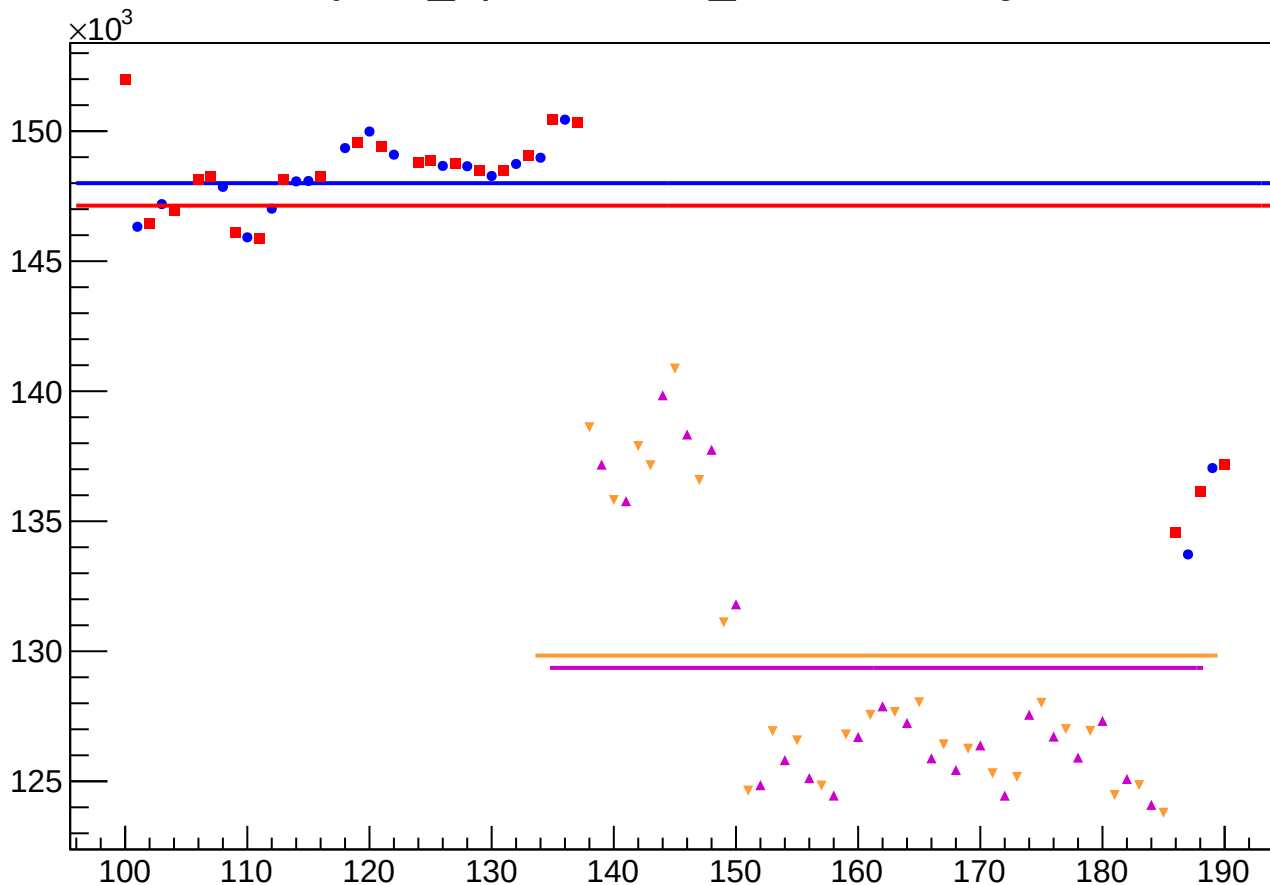
Left In: 187.909 $\pm$ 0.032 χ^2 /NDF: 926037.0/22

+ sign 175.783 $\pm$ 0.025 χ^2 /NDF: 2449881.5/42

All: 173.465 $\pm$ 0.017 χ^2 /NDF: 5423160.1/87

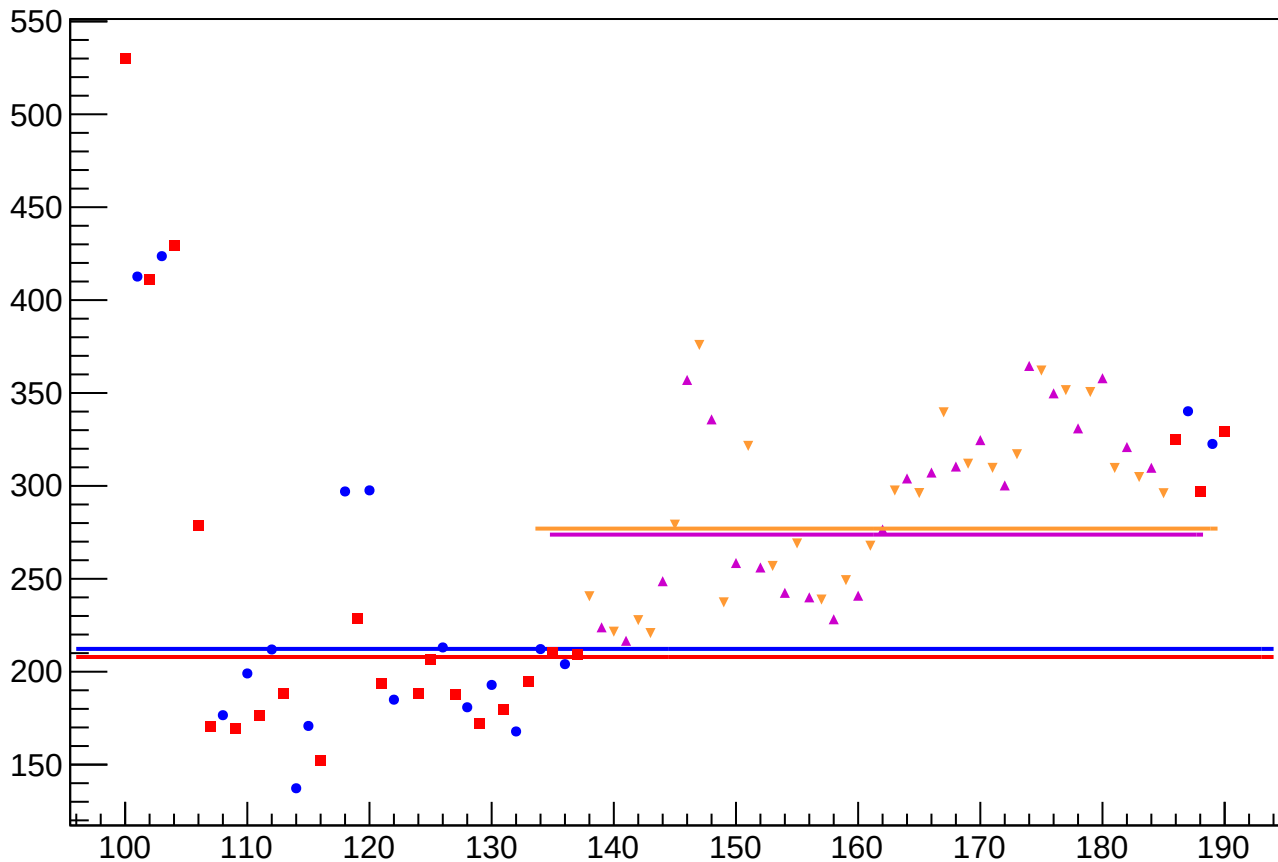
- sign 171.260 $\pm$ 0.024 χ^2 /NDF: 2956100.4/44

yield_bpm0l02WS_mean vs Slug



Right In: 147999.897 $\pm$ 0.080	χ^2 /NDF: 1188359069.3/17	+ sign 136932.852 $\pm$ 0.050	χ^2 /NDF: 39268281622.0
Left Out: 129834.437 $\pm$ 0.064	χ^2 /NDF: 6793515279.7/24	All: 137108.792 $\pm$ 0.035	χ^2 /NDF: 815659880.0
Right Out: 147135.719 $\pm$ 0.073	χ^2 /NDF: 2709707286.6/21	- sign 137274.812 $\pm$ 0.049	χ^2 /NDF: 42273746143.4
Left In: 129360.487 $\pm$ 0.065	χ^2 /NDF: 6626094577.9/22		

yield_bpm0l02WS_rms vs Slug



Right In: 212.278+/-0.057 χ^2/NDF : 1156338.8/17

Left Out: 277.021+/-0.045 χ^2/NDF : 946602.2/24

Right Out: 207.919+/-0.052 χ^2/NDF : 1303207.5/21

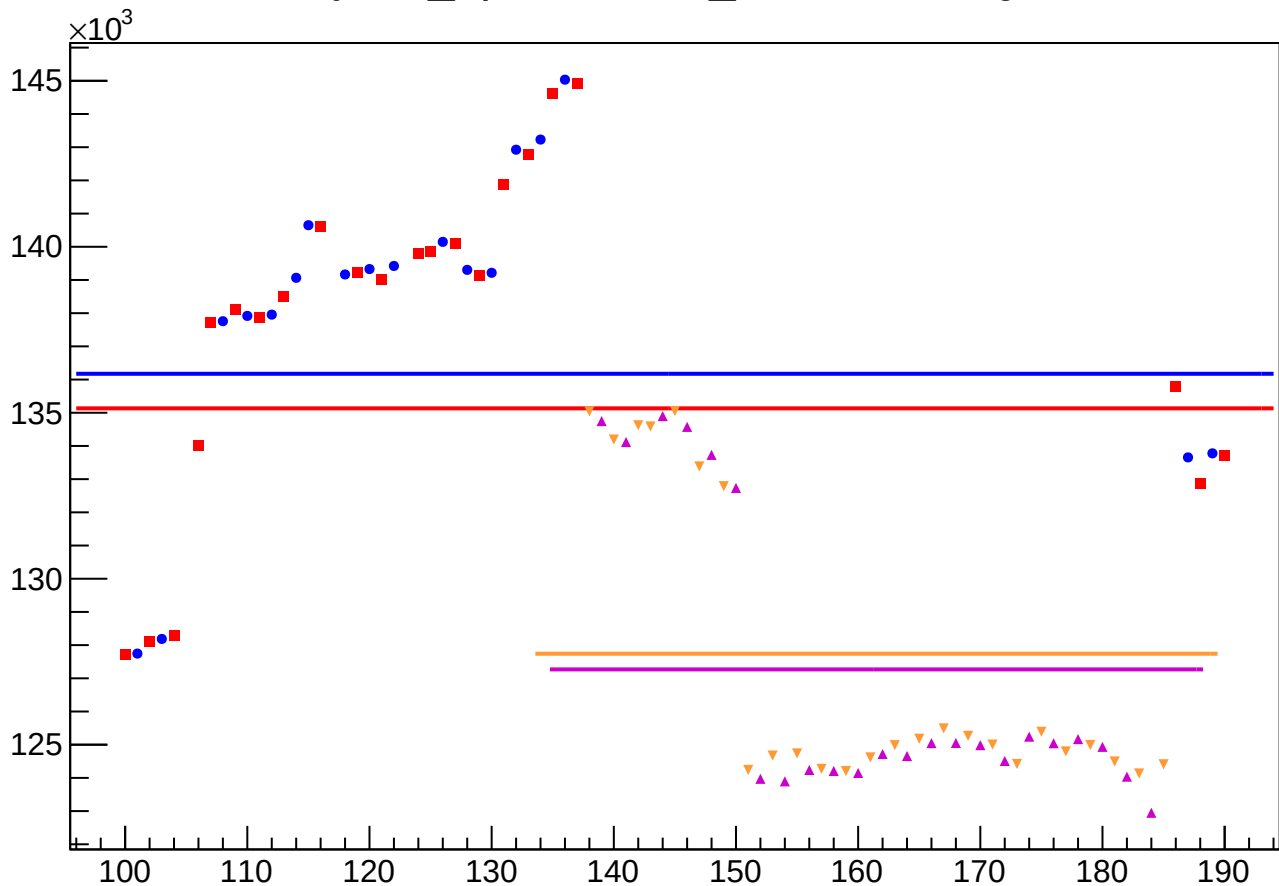
Left In: 273.784+/-0.046 χ^2/NDF : 1003910.6/22

+ sign 251.722+/-0.035 χ^2/NDF : 2897784.8/42

All: 247.985+/-0.025 χ^2/NDF : 6131032.7/87

- sign 244.458+/-0.034 χ^2/NDF : 3211627.9/44

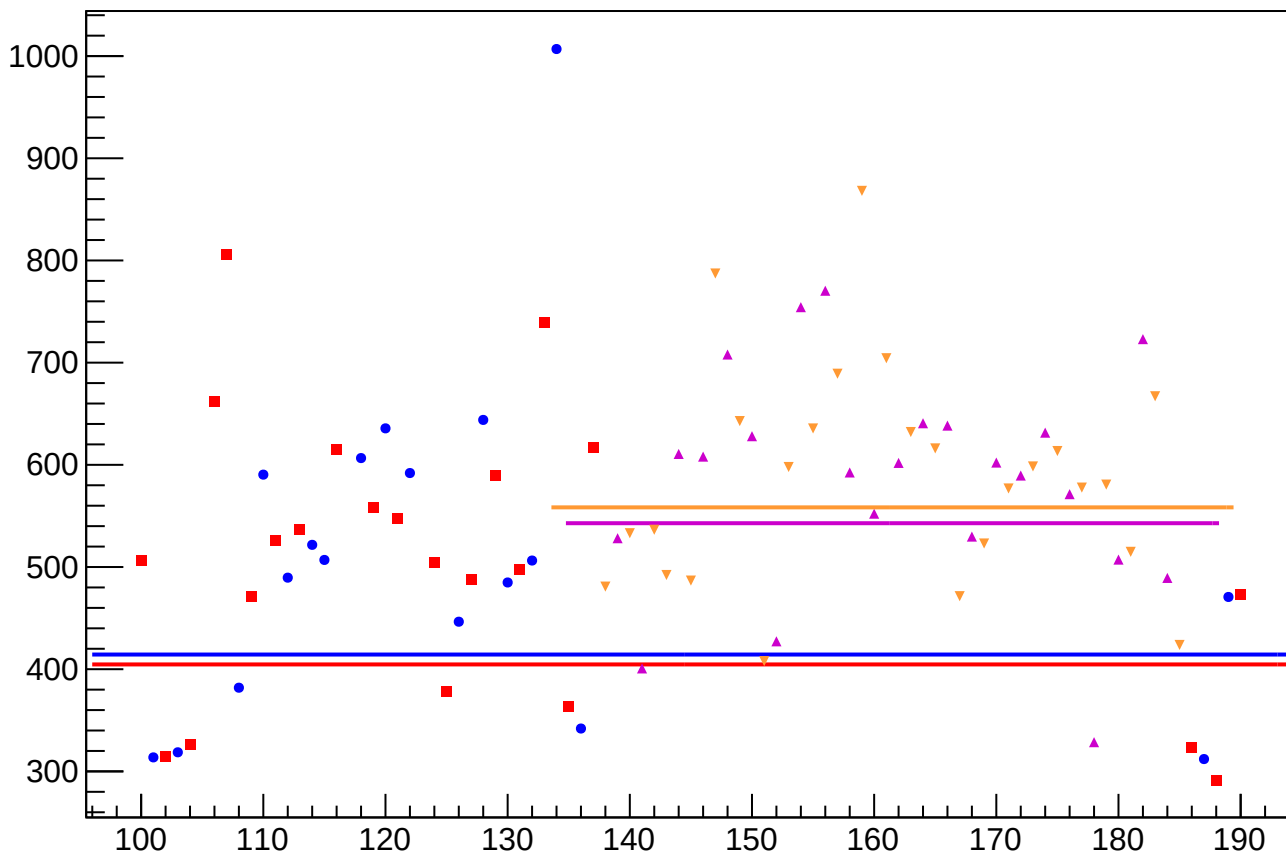
yield_bpm0l03WS_mean vs Slug



Right In: 136174.357 ± 0.161 χ^2/NDF : 1599038828.4/17
 Left Out: 127741.156 ± 0.136 χ^2/NDF : 1092529845.6/24
 Right Out: 135132.731 ± 0.149 χ^2/NDF : 1234202983.0/21
 Left In: 127268.542 ± 0.139 χ^2/NDF : 971404491.0/22

+ sign 131237.442 ± 0.104 χ^2/NDF : 4295690654.5
 All: 131072.124 ± 0.073 χ^2/NDF : 799856546
 - sign 130913.791 ± 0.102 χ^2/NDF : 3697902327.8

yield_bpm0l03WS_rms vs Slug



Right In: 414.354 $\pm$ 0.114 χ^2 /NDF: 1074059.2/17

Left Out: 558.373 $\pm$ 0.096 χ^2 /NDF:968289.3/24

Right Out: 404.668 $\pm$ 0.105 χ^2 /NDF: 1266984.5/21

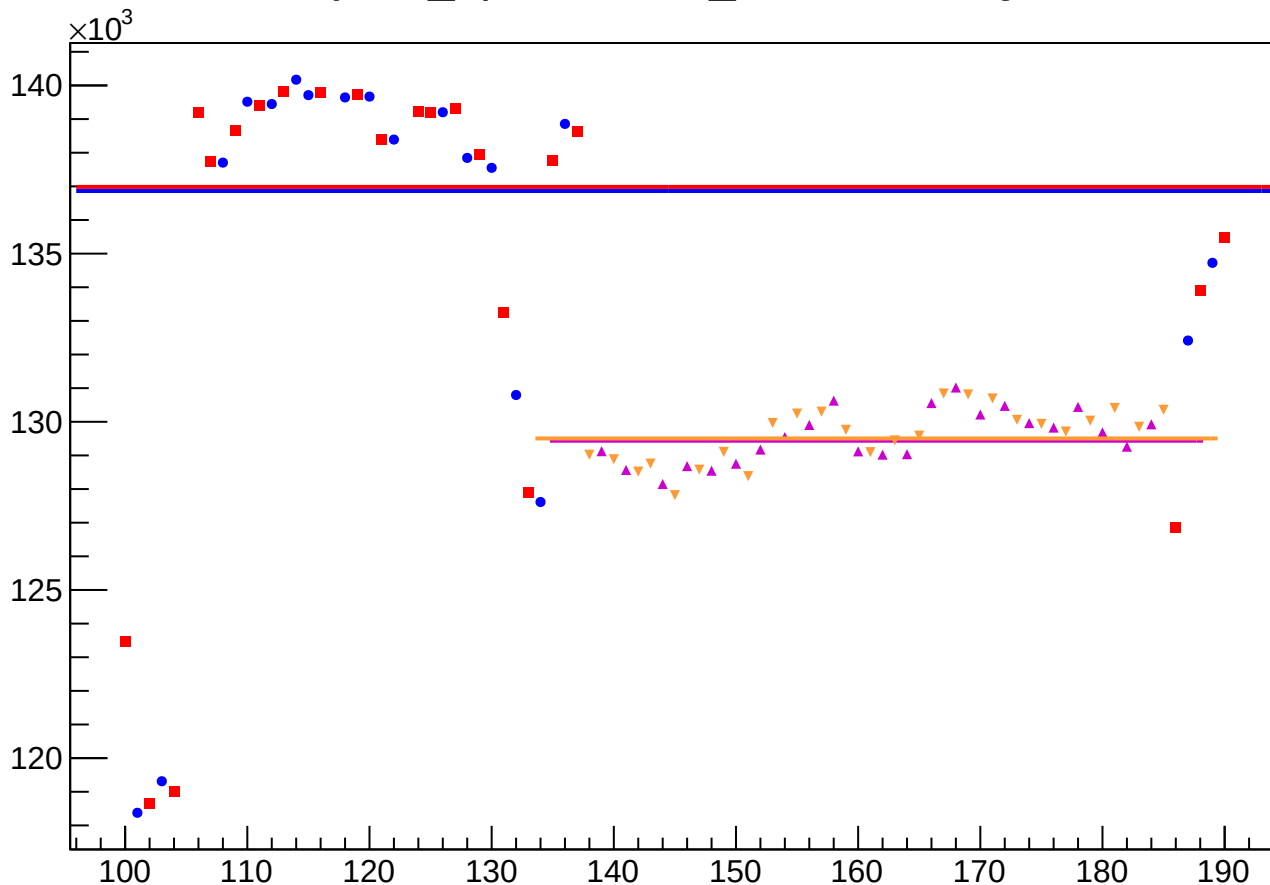
Left In: 542.872 $\pm$ 0.098 χ^2 /NDF:1416690.9/22

+ sign 498.665 $\pm$ 0.073 χ^2 /NDF: 2978020.6/42

All: 488.523 $\pm$ 0.051 χ^2 /NDF: 6620882.3/87

- sign 478.811 $\pm$ 0.072 χ^2 /NDF: 3605439.4/44

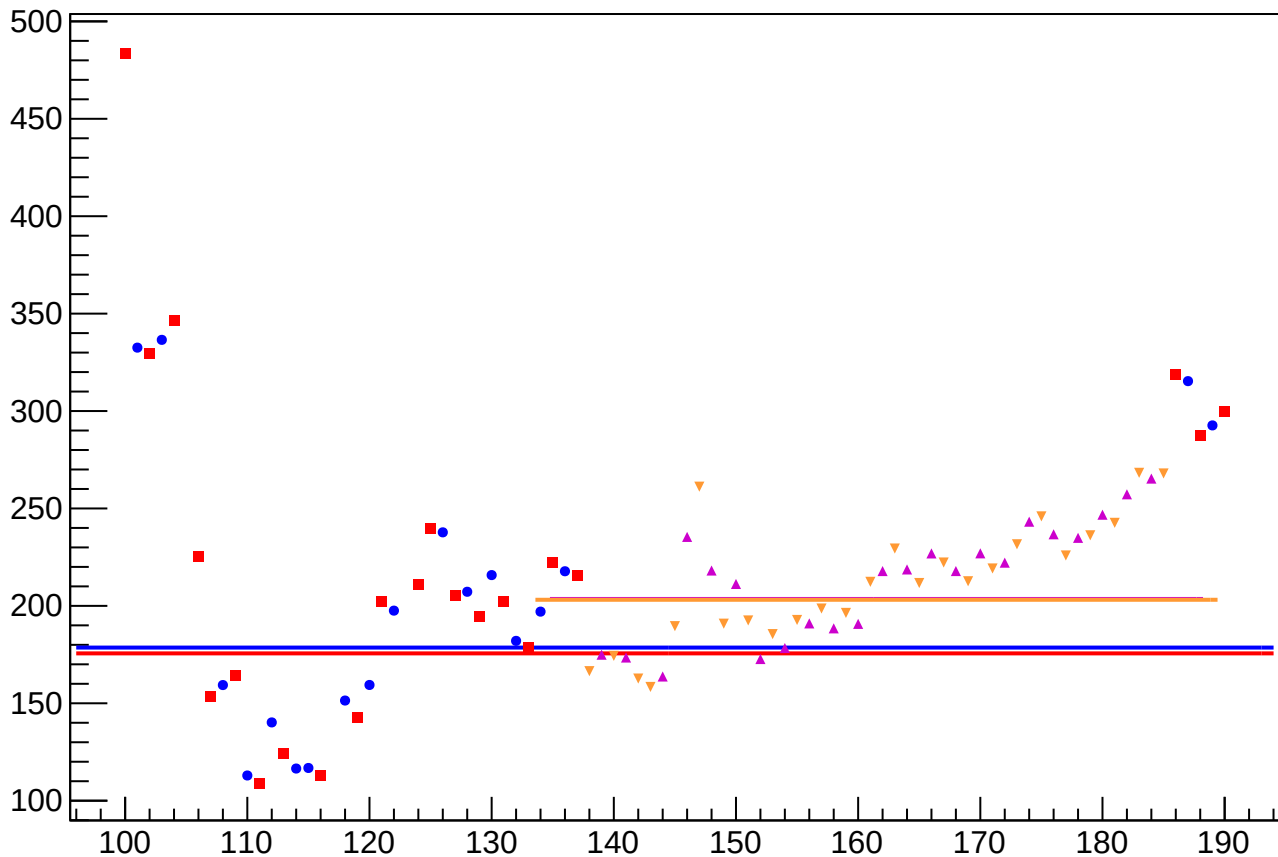
yield_bpm0l04WS_mean vs Slug



Right In: 136861.765 $\pm$ 0.068 χ^2 /NDF: 5874118113.5/17
 Left Out: 129504.922 $\pm$ 0.047 χ^2 /NDF: 299464438.2/24
 Right Out: 136983.675 $\pm$ 0.063 χ^2 /NDF: 6280014467.4/21
 Left In: 129437.551 $\pm$ 0.048 χ^2 /NDF: 269025464.3/22

+ sign 131863.475 $\pm$ 0.039 χ^2 /NDF: 14029326337.
 All: 132050.606 $\pm$ 0.027 χ^2 /NDF: 296235749.
 - sign 132234.679 $\pm$ 0.038 χ^2 /NDF: 15547959536.7

yield_bpm0l04WS_rms vs Slug



Right In: 178.595 $\pm$ 0.048 χ^2 /NDF: 1425026.1/17

Left Out: 203.129 $\pm$ 0.033 χ^2 /NDF: 758448.5/24

Right Out: 175.614 $\pm$ 0.045 χ^2 /NDF: 2034486.5/21

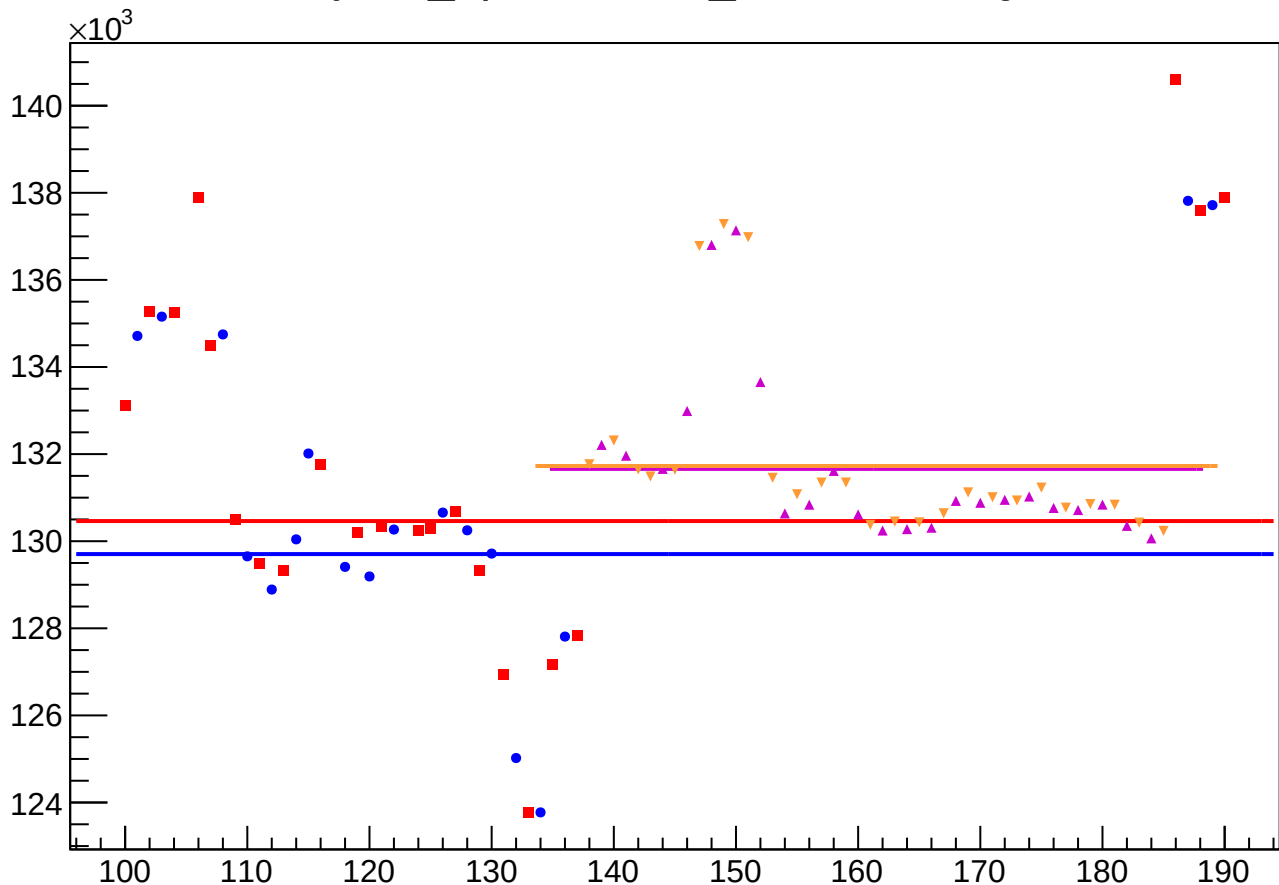
Left In: 203.546 $\pm$ 0.034 χ^2 /NDF: 666043.6/22

+ sign 195.263 $\pm$ 0.027 χ^2 /NDF: 2358210.8/42

All: 194.220 $\pm$ 0.019 χ^2 /NDF: 5308224.7/87

- sign 193.193 $\pm$ 0.027 χ^2 /NDF: 2947132.7/44

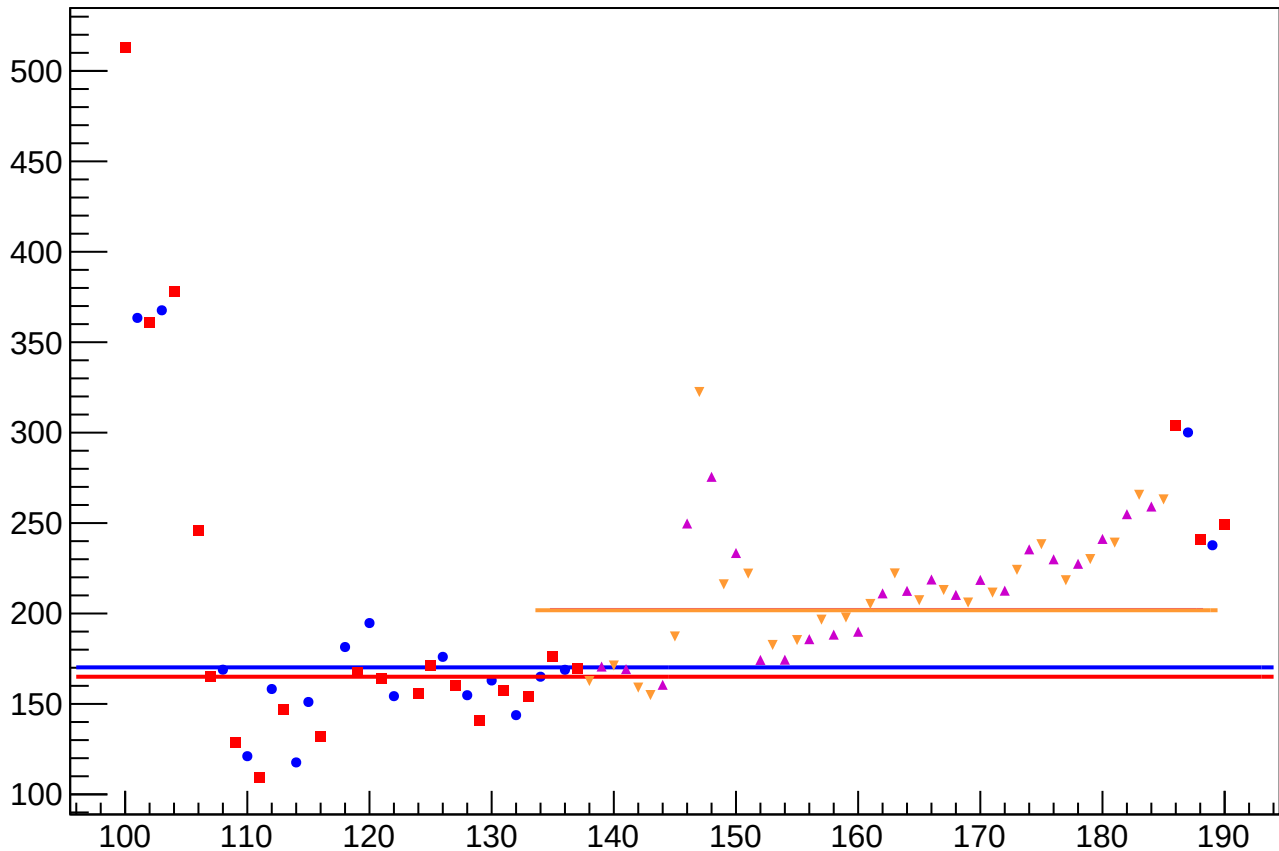
yield_bpm0l05WS_mean vs Slug



Right In: 129704.303 ± 0.065 $\chi^2/\text{NDF}: 2420525379.3/17$
 Left Out: 131727.086 ± 0.047 $\chi^2/\text{NDF}: 1425045697.6/24$
 Right Out: 130462.740 ± 0.059 $\chi^2/\text{NDF}: 3509324148.9/21$
 Left In: 131660.490 ± 0.048 $\chi^2/\text{NDF}: 1164380319.7/22$

+ sign 131030.112 ± 0.038 $\chi^2/\text{NDF}: 4488012499.2/17$
 All: 131105.688 ± 0.027 $\chi^2/\text{NDF}: 941821483.7/17$
 - sign 131178.572 ± 0.037 $\chi^2/\text{NDF}: 4922401765.7/17$

yield_bpm0l05WS_rms vs Slug



Right In: 170.218 $\pm$ 0.046 χ^2 /NDF: 1098116.2/17

Left Out: 201.798 $\pm$ 0.033 χ^2 /NDF: 905352.1/24

Right Out: 165.038 $\pm$ 0.042 χ^2 /NDF: 1646525.4/21

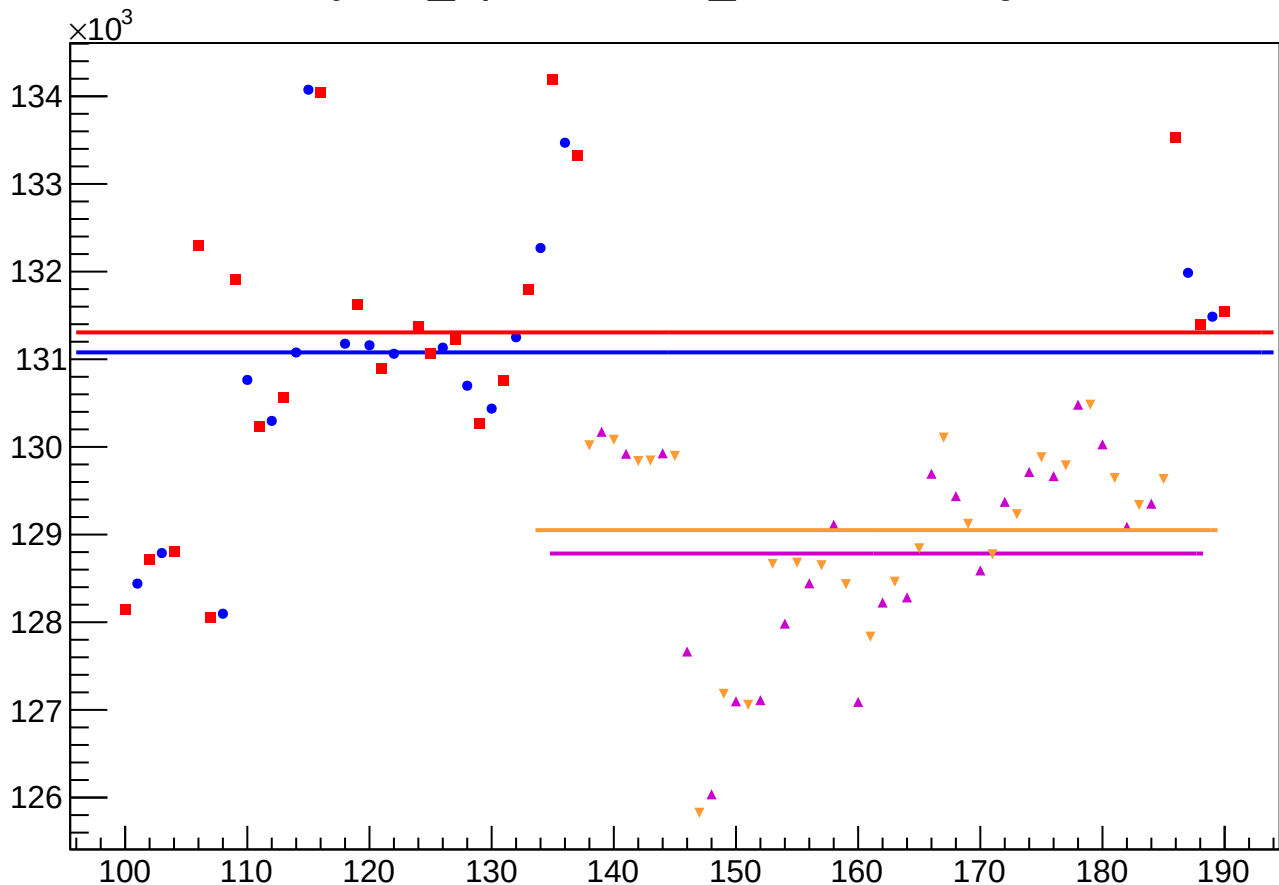
Left In: 201.947 $\pm$ 0.034 χ^2 /NDF: 802700.2/22

+ sign 190.917 $\pm$ 0.027 χ^2 /NDF: 2316649.6/42

All: 188.972 $\pm$ 0.019 χ^2 /NDF: 5248527.6/87

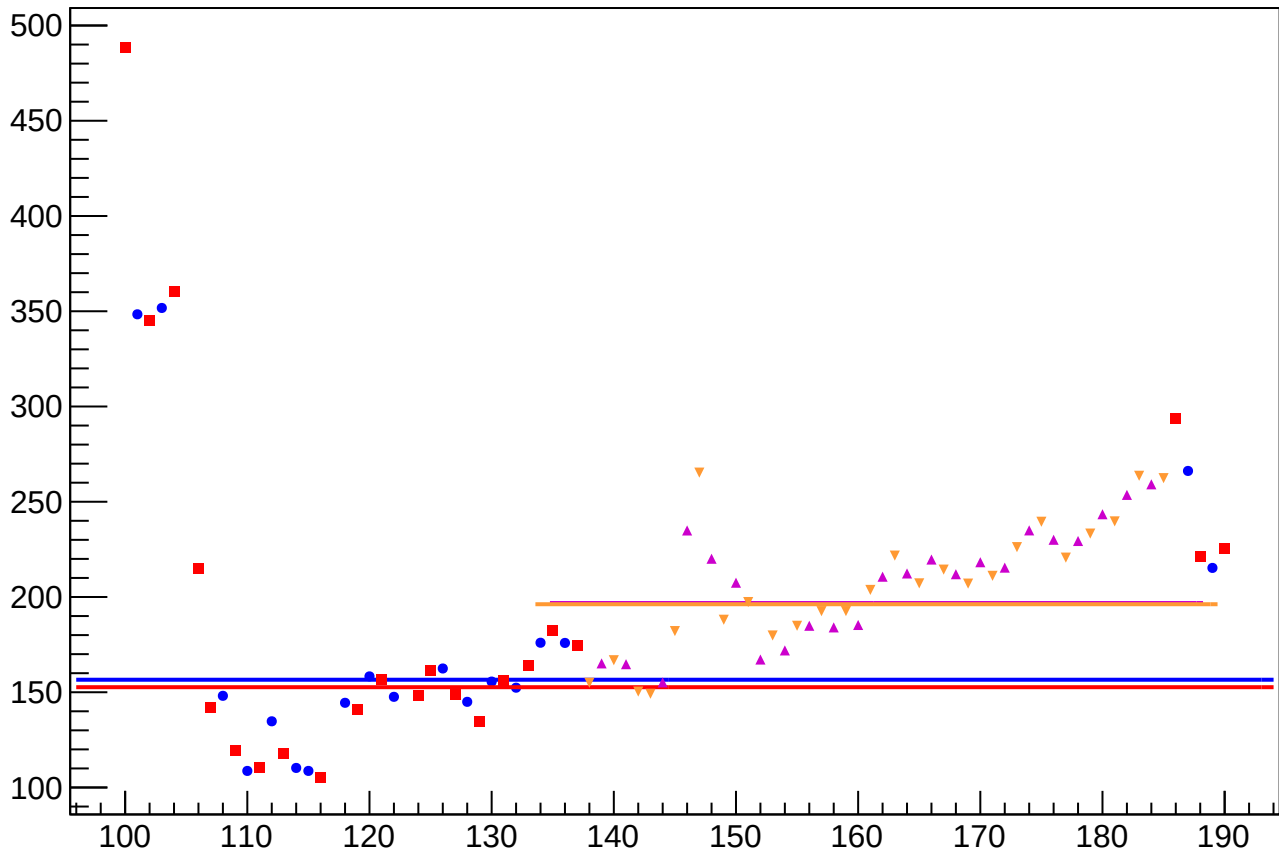
- sign 187.096 $\pm$ 0.026 χ^2 /NDF: 2921547.5/44

yield_bpm0l06WS_mean vs Slug



Right In: 131078.311 $\pm$ 0.059	χ^2 /NDF: 527956514.4/17	+ sign 129804.419 $\pm$ 0.036	χ^2 /NDF: 1797638845.5
Left Out: 129050.458 $\pm$ 0.045	χ^2 /NDF: 530879250.1/24	All: 129836.094 $\pm$ 0.025	χ^2 /NDF: 432571895
Right Out: 131306.428 $\pm$ 0.054	χ^2 /NDF: 628905254.3/21	- sign 129866.678 $\pm$ 0.035	χ^2 /NDF: 2526563161.7/
Left In: 128783.852 $\pm$ 0.047	χ^2 /NDF: 655675405.6/22		

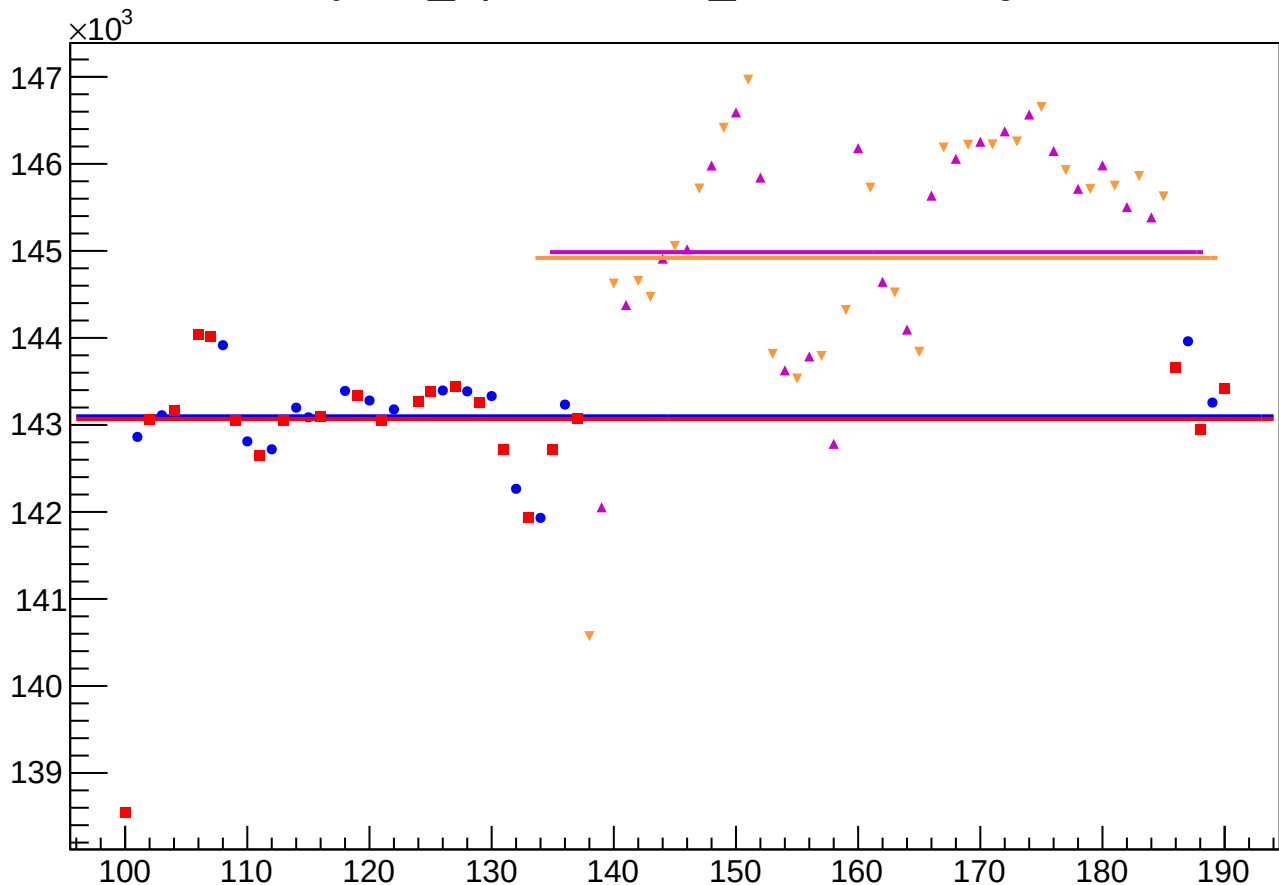
yield_bpm0l06WS_rms vs Slug



Right In: 156.568 ± 0.042 χ^2/NDF : 1208126.9/17
 Left Out: 196.203 ± 0.032 χ^2/NDF : 922826.1/24
 Right Out: 152.648 ± 0.038 χ^2/NDF : 1742194.9/21
 Left In: 196.840 ± 0.033 χ^2/NDF : 773052.6/22

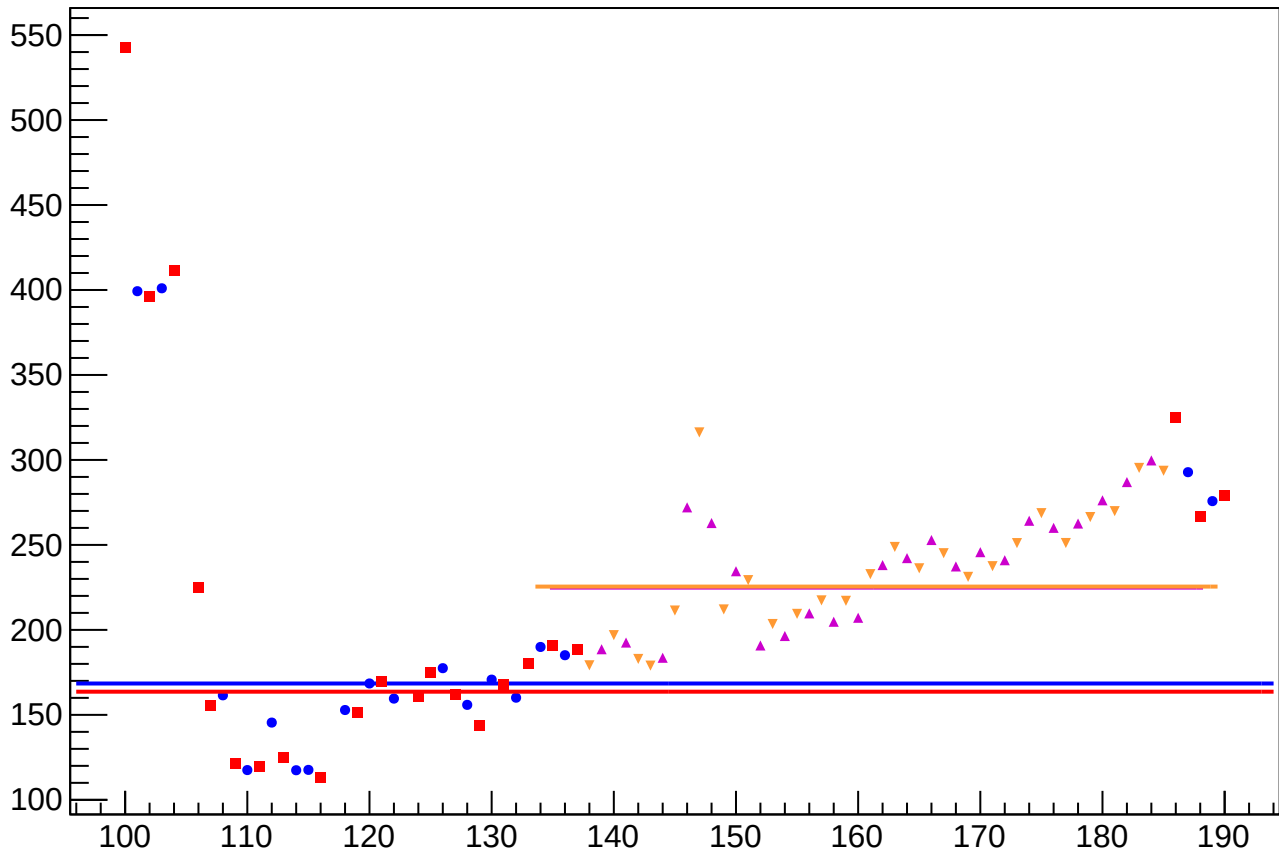
+ sign 181.467 ± 0.025 χ^2/NDF : 2695418.1/42
 All: 179.637 ± 0.018 χ^2/NDF : 5983108.9/87
 - sign 177.871 ± 0.025 χ^2/NDF : 3277569.1/44

yield_bpm0l07WS_mean vs Slug



Right In: 143098.981+/-0.064	χ^2/NDF : 48537504.0/17	+ sign 144189.851+/-0.040	χ^2/NDF : 1370919665.1
Left Out: 144919.479+/-0.052	χ^2/NDF : 835478710.7/24	All: 144148.815+/-0.028	χ^2/NDF : 263061814
Right Out: 143068.315+/-0.058	χ^2/NDF : 53813440.4/21	- sign 144109.679+/-0.039	χ^2/NDF : 1257685833.5/
Left In: 144985.586+/-0.054	χ^2/NDF : 618782558.7/22		

yield_bpm0l07WS_rms vs Slug



Right In: 168.457+/-0.045 χ^2/NDF : 1364945.4/17

Left Out: 225.478+/-0.037 χ^2/NDF : 775365.4/24

Right Out: 163.637+/-0.041 χ^2/NDF : 2005180.6/21

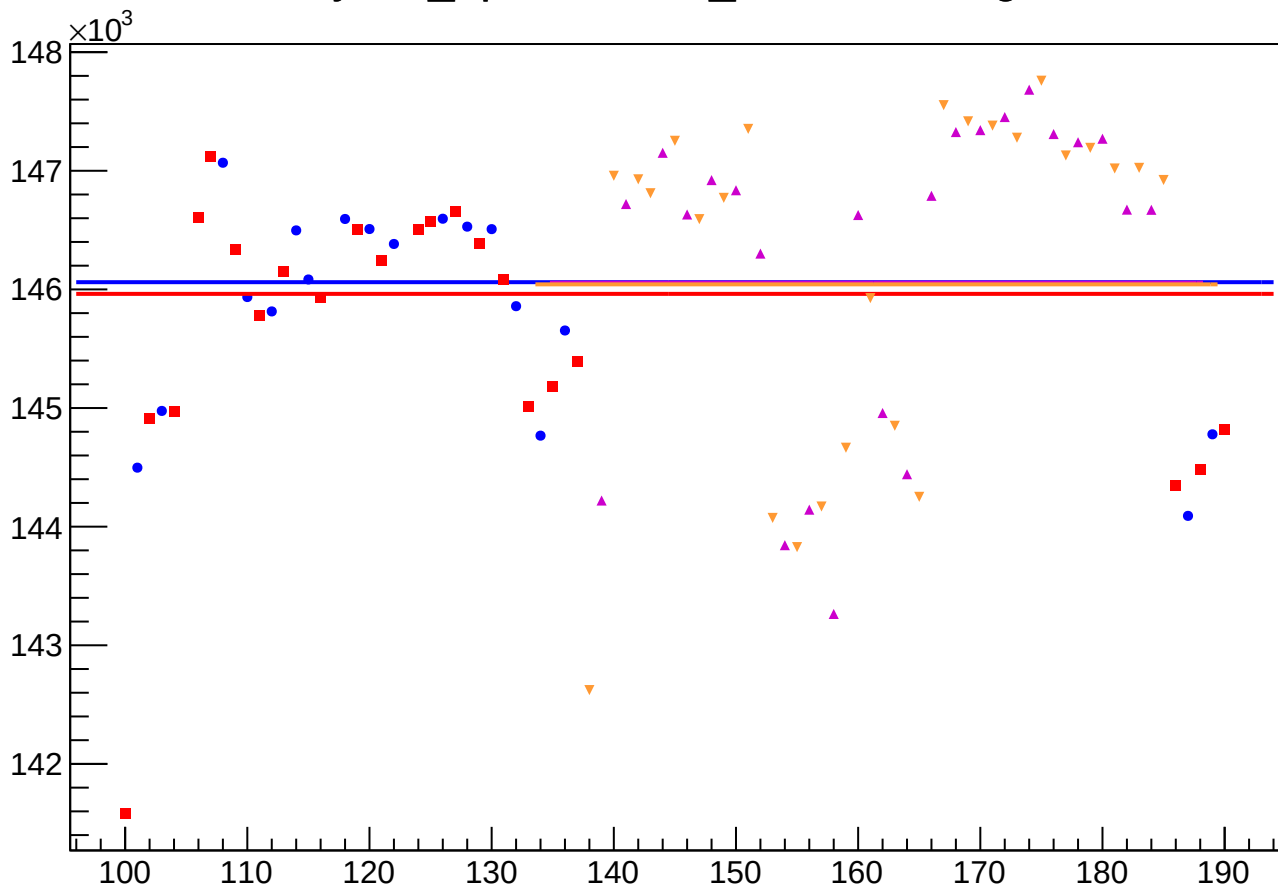
Left In: 224.869+/-0.038 χ^2/NDF : 723816.1/22

+ sign 202.625+/-0.029 χ^2/NDF : 3095685.0/42

All: 199.692+/-0.020 χ^2/NDF : 7038796.1/87

- sign 196.895+/-0.028 χ^2/NDF : 3922547.8/44

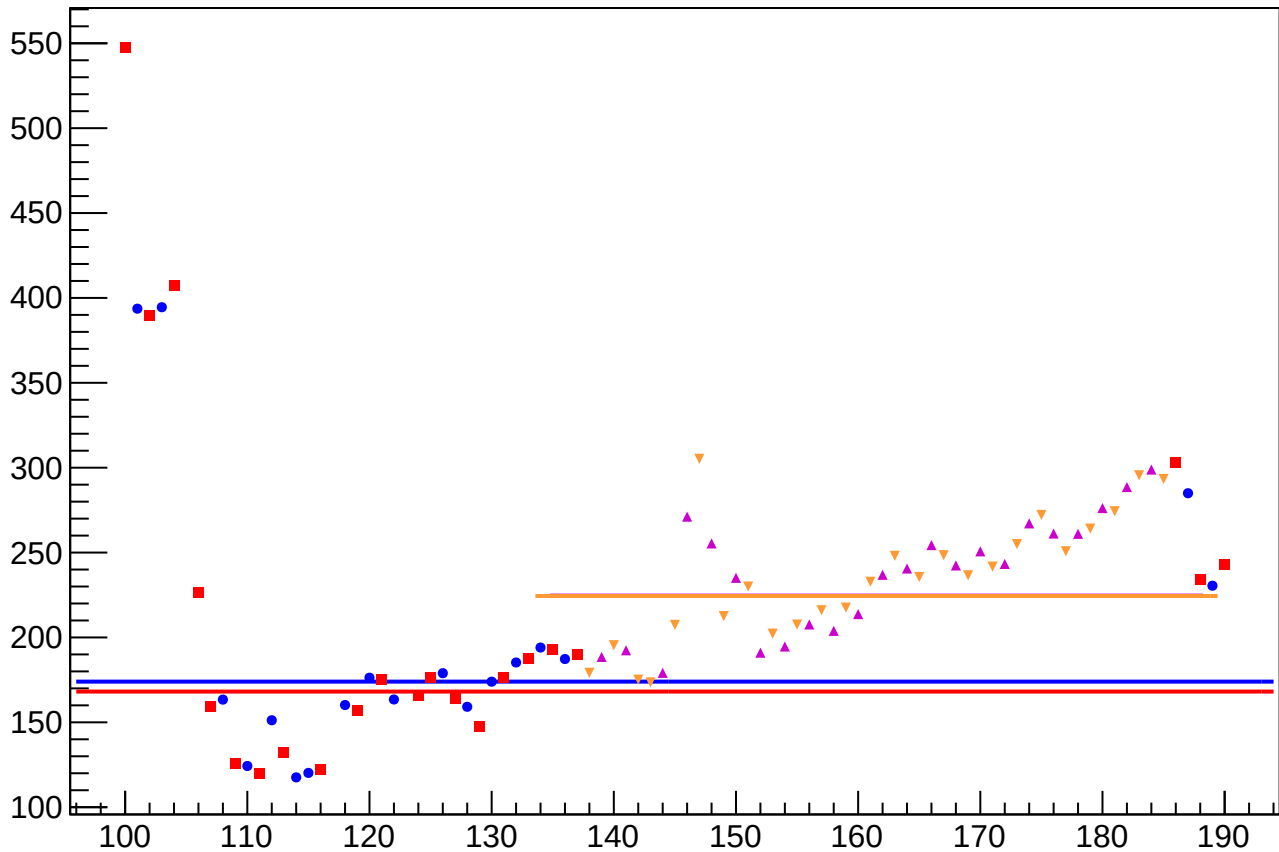
yield_bpm0l08WS_mean vs Slug



Right In: 146060.847 $\pm$ 0.066 χ^2 /NDF: 98288046.0/17
 Left Out: 146042.636 $\pm$ 0.052 χ^2 /NDF: 882705044.1/24
 Right Out: 145962.339 $\pm$ 0.059 χ^2 /NDF: 135520576.6/21
 Left In: 146056.687 $\pm$ 0.054 χ^2 /NDF: 698743124.4/22

+ sign 146049.666 $\pm$ 0.041 χ^2 /NDF: 981040414.9/4
 All: 146031.597 $\pm$ 0.028 χ^2 /NDF: 181707929
 - sign 146014.381 $\pm$ 0.040 χ^2 /NDF: 835655006.2/4

yield_bpm0l08WS_rms vs Slug



Right In: 173.982 $\pm$ 0.046 χ^2 /NDF: 1183308.3/17

Left Out: 224.409 $\pm$ 0.037 χ^2 /NDF: 849100.4/24

Right Out: 168.122 $\pm$ 0.042 χ^2 /NDF: 1702024.2/21

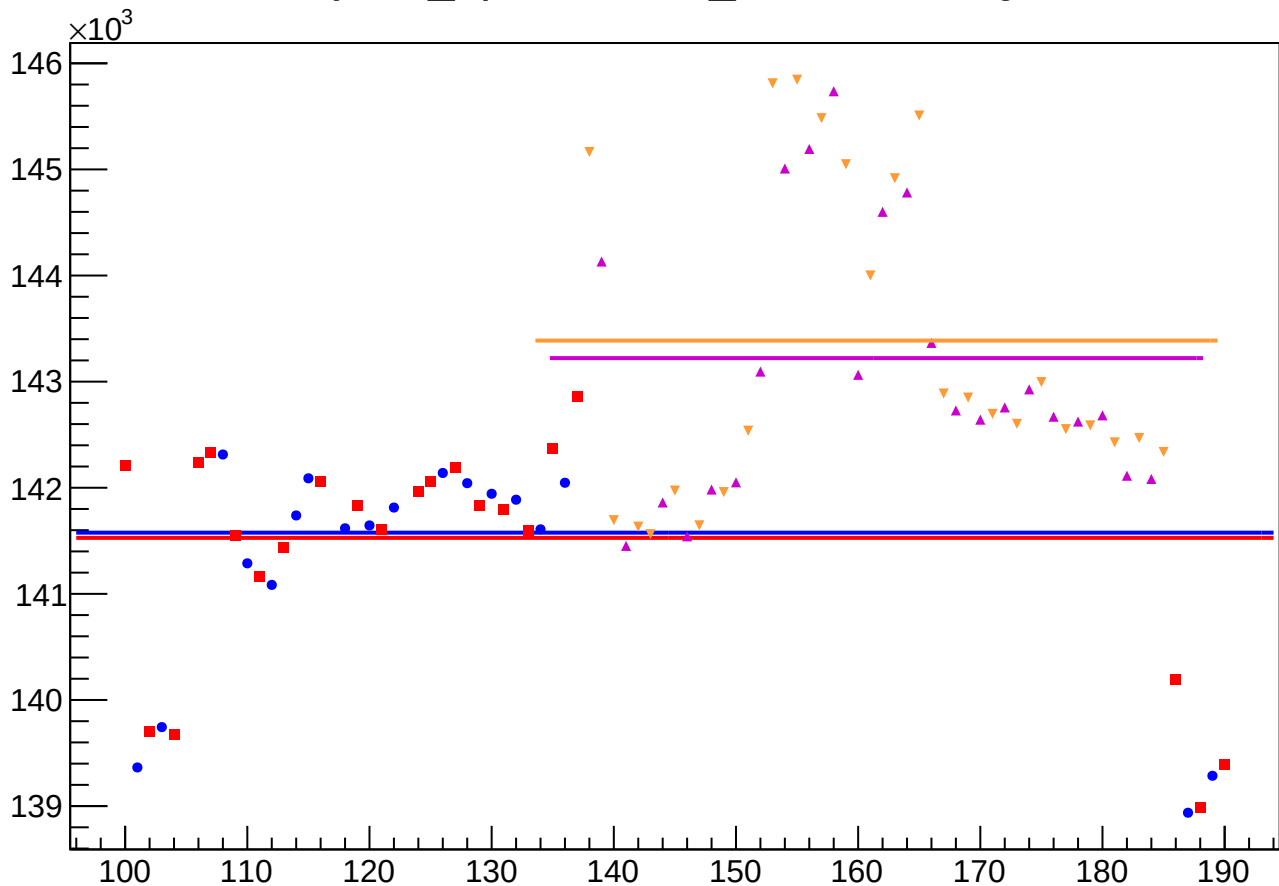
Left In: 224.655 $\pm$ 0.038 χ^2 /NDF: 756996.8/22

+ sign 204.943 $\pm$ 0.029 χ^2 /NDF: 2758172.8/42

All: 202.056 $\pm$ 0.020 χ^2 /NDF: 6235857.6/87

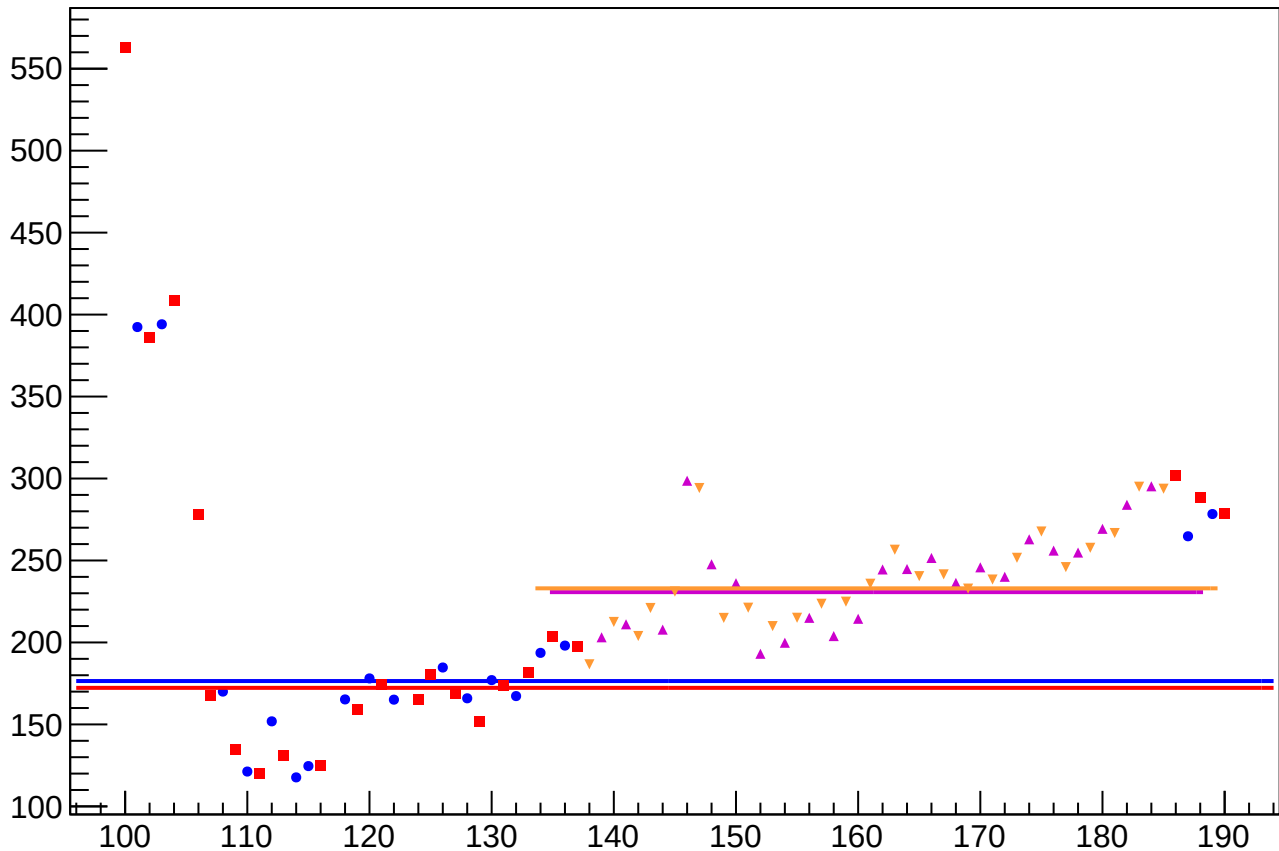
- sign 199.305 $\pm$ 0.028 χ^2 /NDF: 3458080.0/44

yield_bpm0l09WS_mean vs Slug



Right In: 141576.821 $\pm$ 0.067 χ^2 /NDF: 120684245.2/17
 Left Out: 143386.915 $\pm$ 0.054 χ^2 /NDF: 784001363.1/24
 Right Out: 141527.720 $\pm$ 0.061 χ^2 /NDF: 172515085.2/21
 Left In: 143221.802 $\pm$ 0.055 χ^2 /NDF: 540234973.1/22
 + sign 142676.815 $\pm$ 0.042 χ^2 /NDF: 1350682122.2/24
 All: 142570.846 $\pm$ 0.029 χ^2 /NDF: 249978049.2/24
 - sign 142469.703 $\pm$ 0.041 χ^2 /NDF: 1136566896.7/24

yield_bpm0l09WS_rms vs Slug



Right In: 176.456 $\pm$ 0.047 χ^2 /NDF: 1259099.4/17

Left Out: 233.007 $\pm$ 0.038 χ^2 /NDF: 446120.9/24

Right Out: 172.305 $\pm$ 0.043 χ^2 /NDF: 1896364.2/21

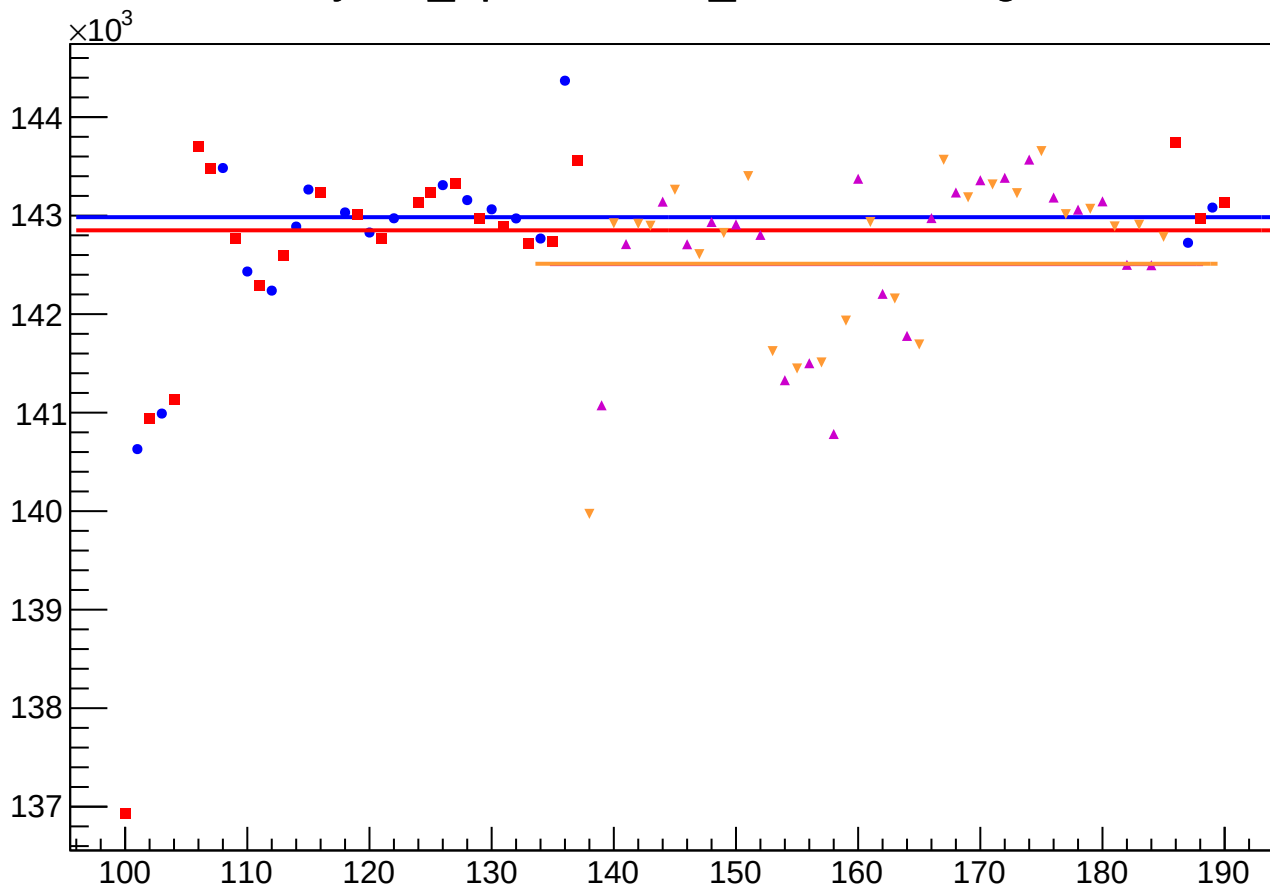
Left In: 230.693 $\pm$ 0.039 χ^2 /NDF: 512017.9/22

+ sign 210.822 $\pm$ 0.030 χ^2 /NDF: 2575849.3/42

All: 207.726 $\pm$ 0.021 χ^2 /NDF: 6012512.8/87

- sign 204.771 $\pm$ 0.029 χ^2 /NDF: 3415271.6/44

yield_bpm0l10WS_mean vs Slug



Right In: 142984.209 $\pm$ 0.067 χ^2 /NDF: 107922767.6/17

Left Out: 142511.381 $\pm$ 0.051 χ^2 /NDF: 338087157.2/24

Right Out: 142850.672 $\pm$ 0.061 χ^2 /NDF: 67623961.5/21

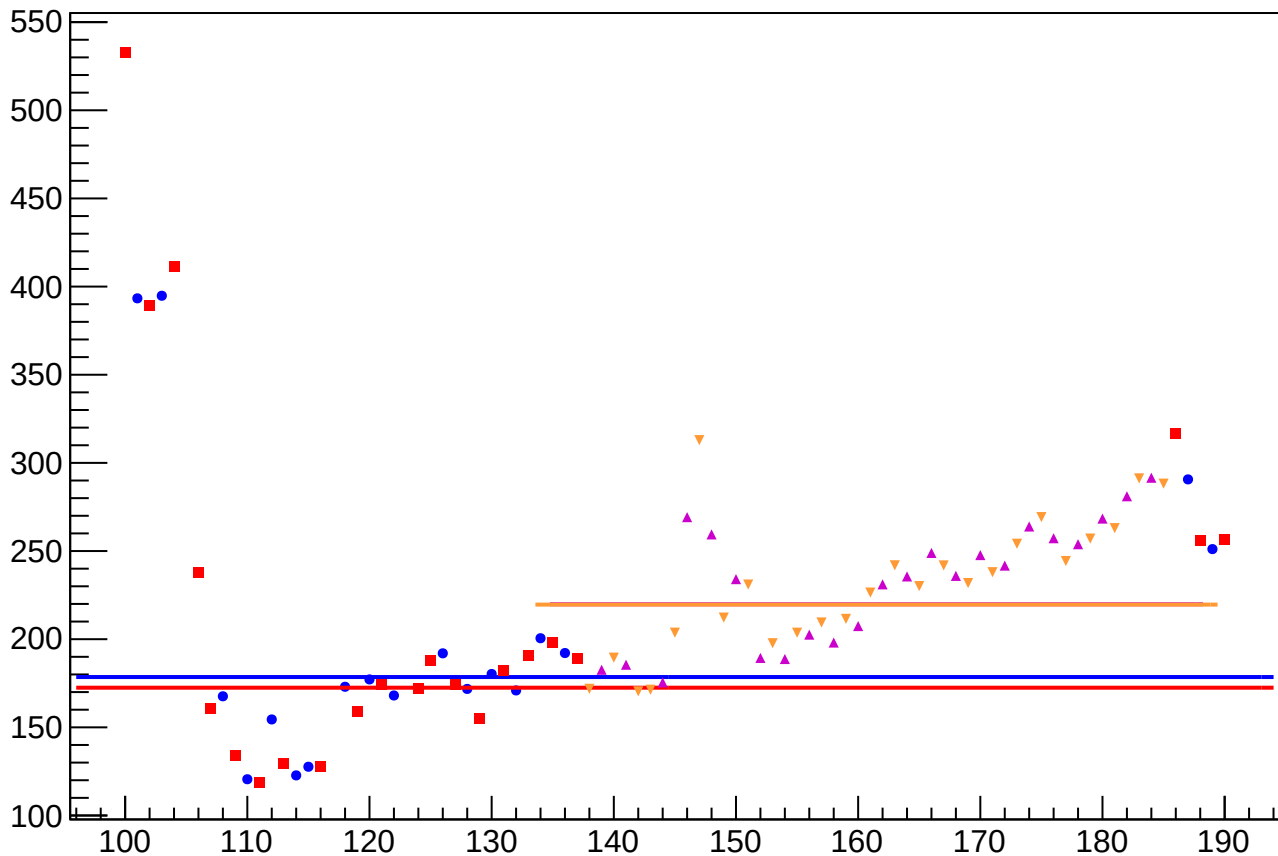
Left In: 142507.563 $\pm$ 0.052 χ^2 /NDF: 269272097.4/22

+ sign 142682.997 $\pm$ 0.041 χ^2 /NDF: 477330496.6/4

All: 142667.585 $\pm$ 0.028 χ^2 /NDF: 83265638

- sign 142652.797 $\pm$ 0.040 χ^2 /NDF: 355043860.7/4

yield_bpm0l10WS_rms vs Slug



Right In: 178.532 $\pm$ 0.048 χ^2 /NDF: 1198825.1/17

Left Out: 219.618 $\pm$ 0.036 χ^2 /NDF: 902026.4/24

Right Out: 172.489 $\pm$ 0.043 χ^2 /NDF: 1762482.4/21

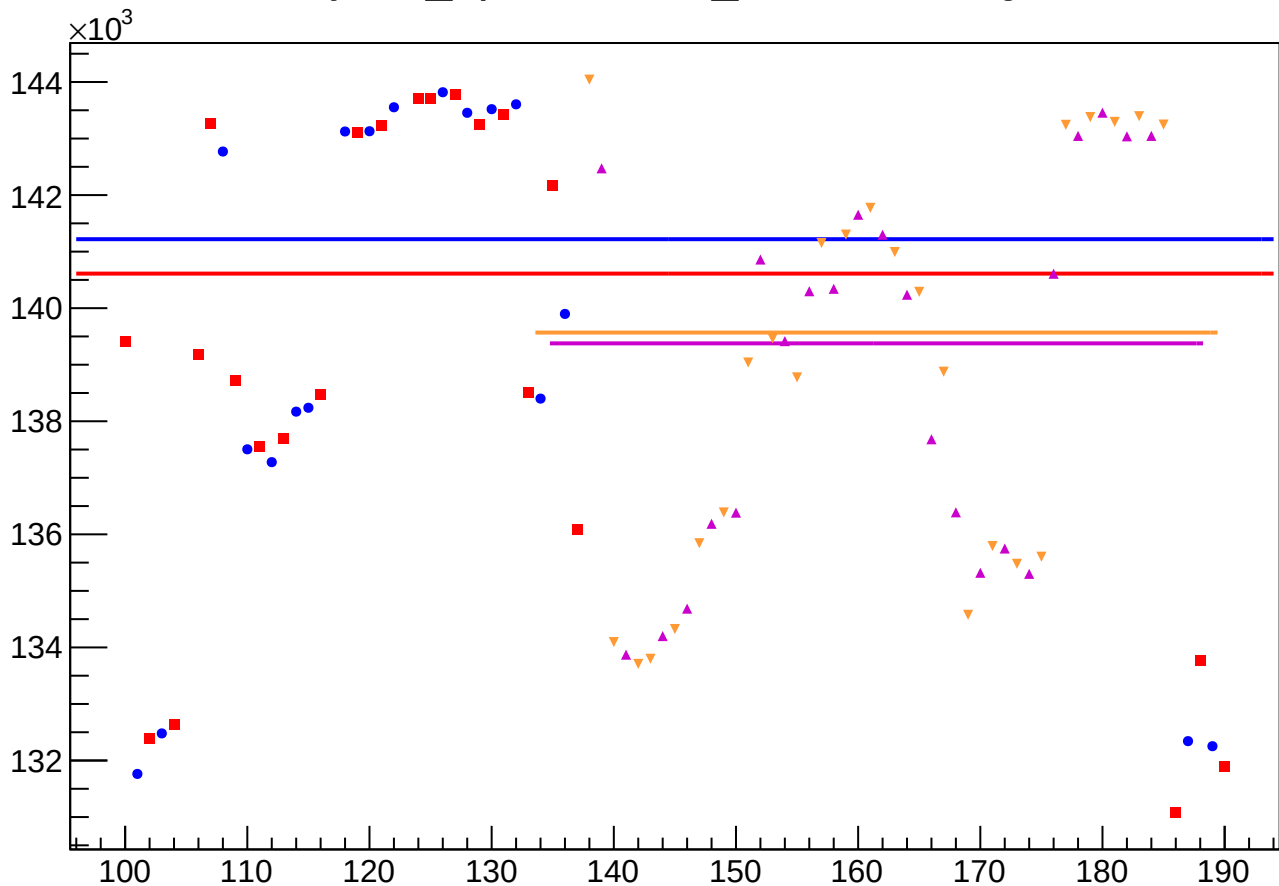
Left In: 219.813 $\pm$ 0.037 χ^2 /NDF: 805501.8/22

+ sign 204.706 $\pm$ 0.029 χ^2 /NDF: 2573818.9/42

All: 202.193 $\pm$ 0.020 χ^2 /NDF: 5847298.5/87

- sign 199.781 $\pm$ 0.028 χ^2 /NDF: 3258483.5/44

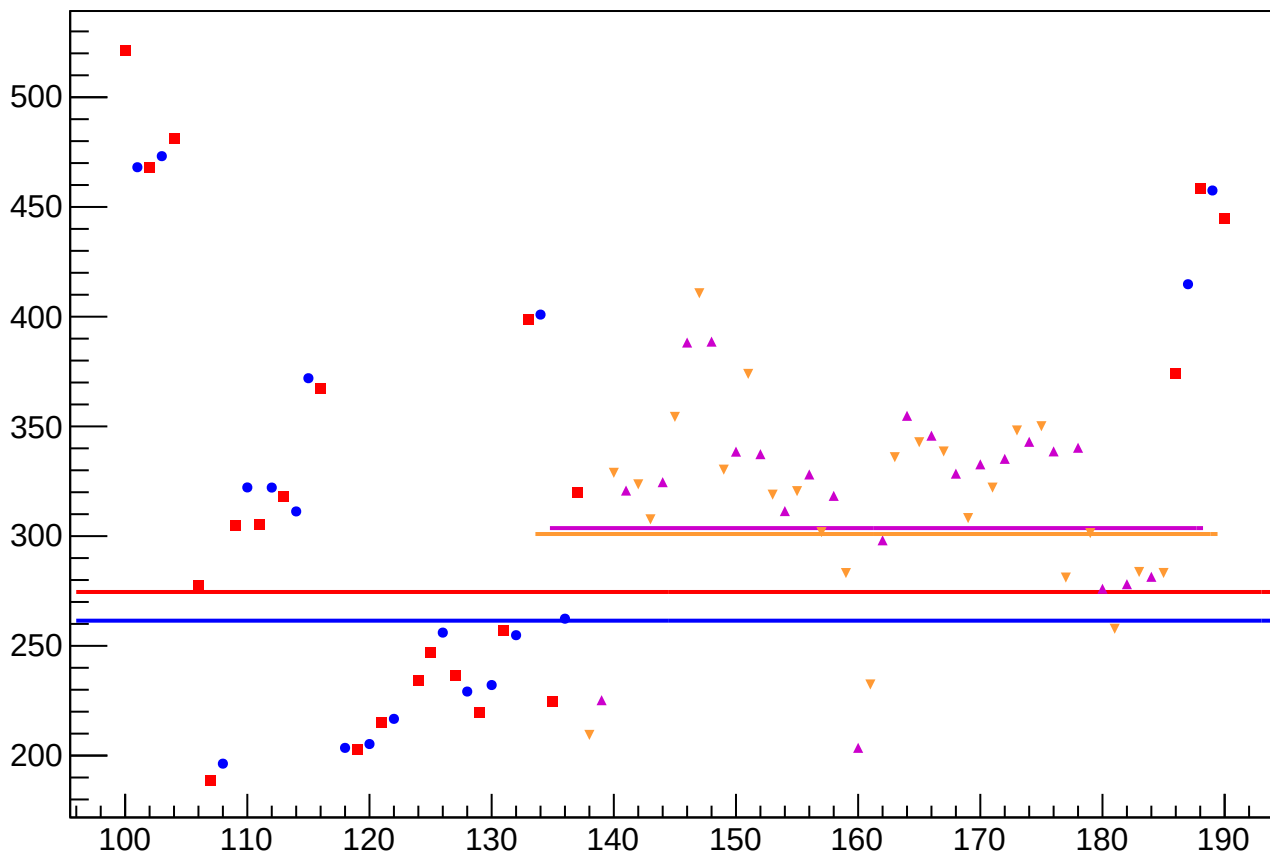
yield_bpm0r03WS_mean vs Slug



Right In: 141219.943 $\pm$ 0.099 χ^2 /NDF: 1238880170.2/17
 Left Out: 139568.750 $\pm$ 0.070 χ^2 /NDF: 2586638805.4/24
 Right Out: 140611.472 $\pm$ 0.097 χ^2 /NDF: 1575322439.3/21
 Left In: 139377.582 $\pm$ 0.073 χ^2 /NDF: 1921434868.2/22

+ sign 140118.965 $\pm$ 0.057 χ^2 /NDF: 4010793143.1
 All: 139974.693 $\pm$ 0.041 χ^2 /NDF: 762425728
 - sign 139825.014 $\pm$ 0.058 χ^2 /NDF: 3600493435.2

yield_bpm0r03WS_rms vs Slug



Right In: 261.473+/-0.070 χ^2/NDF : 1197614.0/17

Left Out: 300.964+/-0.050 χ^2/NDF : 876889.9/24

Right Out: 274.548+/-0.068 χ^2/NDF : 1487977.6/21

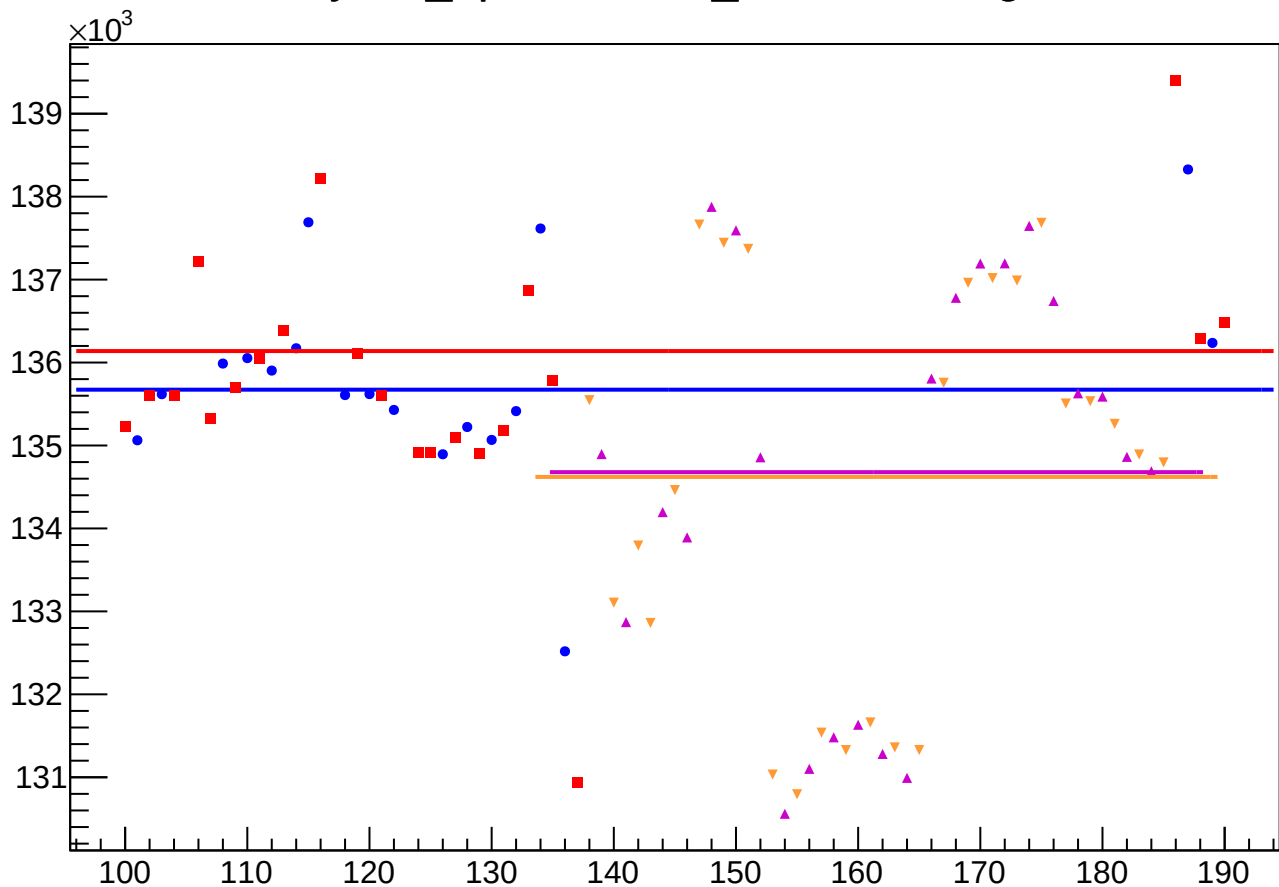
Left In: 303.658+/-0.052 χ^2/NDF : 976252.9/22

+ sign 287.805+/-0.040 χ^2/NDF : 2286458.2/42

All: 290.405+/-0.029 χ^2/NDF : 4874592.1/87

- sign 293.103+/-0.041 χ^2/NDF : 2579708.0/44

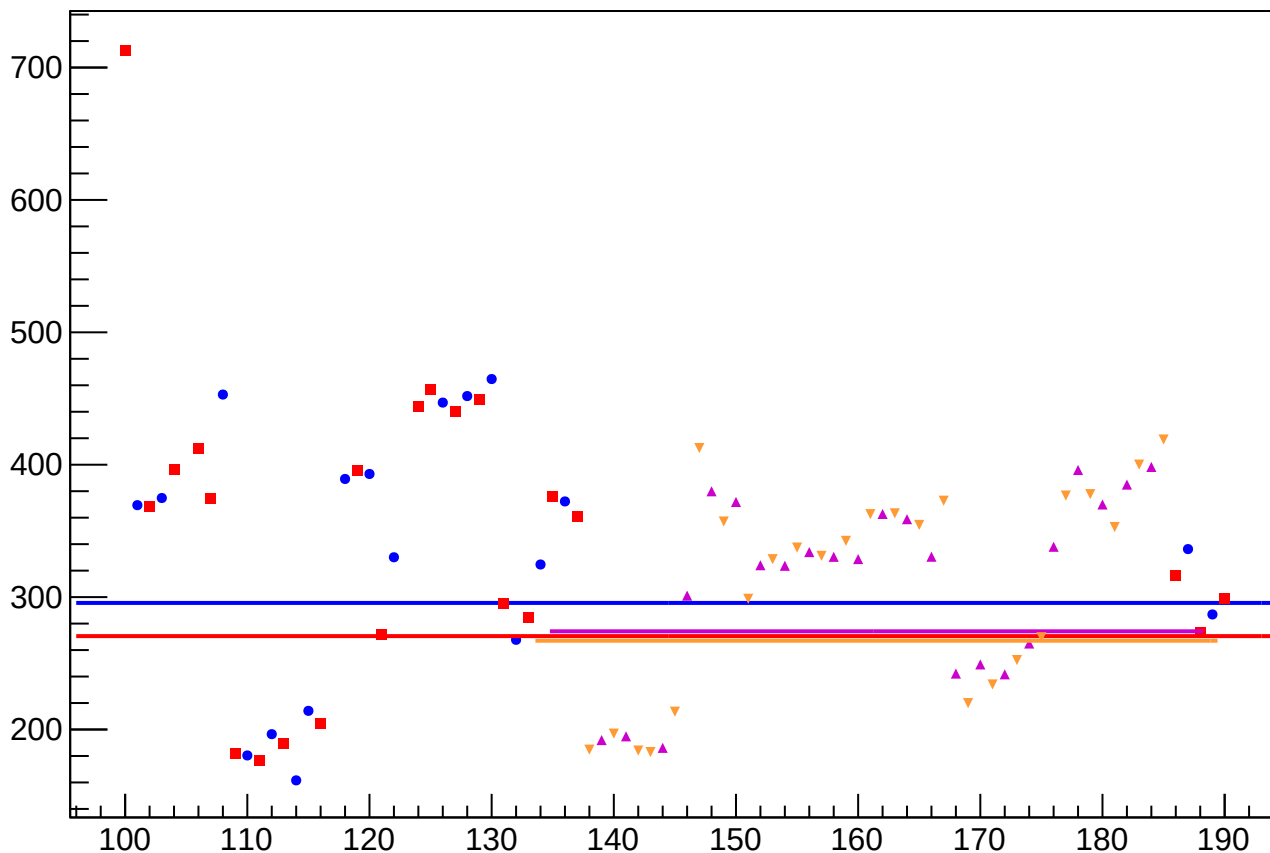
yield_bpm0r05WS_mean vs Slug



Right In: 135672.898 ± 0.112 $\chi^2/\text{NDF}: 108294010.8/17$
 Left Out: 134620.993 ± 0.064 $\chi^2/\text{NDF}: 1201492843.7/24$
 Right Out: 136138.560 ± 0.096 $\chi^2/\text{NDF}: 138722342.6/21$
 Left In: 134678.497 ± 0.067 $\chi^2/\text{NDF}: 1096295429.9/22$

+ sign 134877.503 ± 0.055 $\chi^2/\text{NDF}: 1376210555.5$
 All: 135018.411 ± 0.039 $\chi^2/\text{NDF}: 277997983$
 - sign 135156.496 ± 0.055 $\chi^2/\text{NDF}: 1390970571.5$

yield_bpm0r05WS_rms vs Slug



Right In: 295.608 $\pm$ 0.079 χ^2 /NDF: 1448772.3/17

Left Out: 267.053 $\pm$ 0.045 χ^2 /NDF: 2843307.1/24

Right Out: 270.534 $\pm$ 0.068 χ^2 /NDF: 1703644.9/21

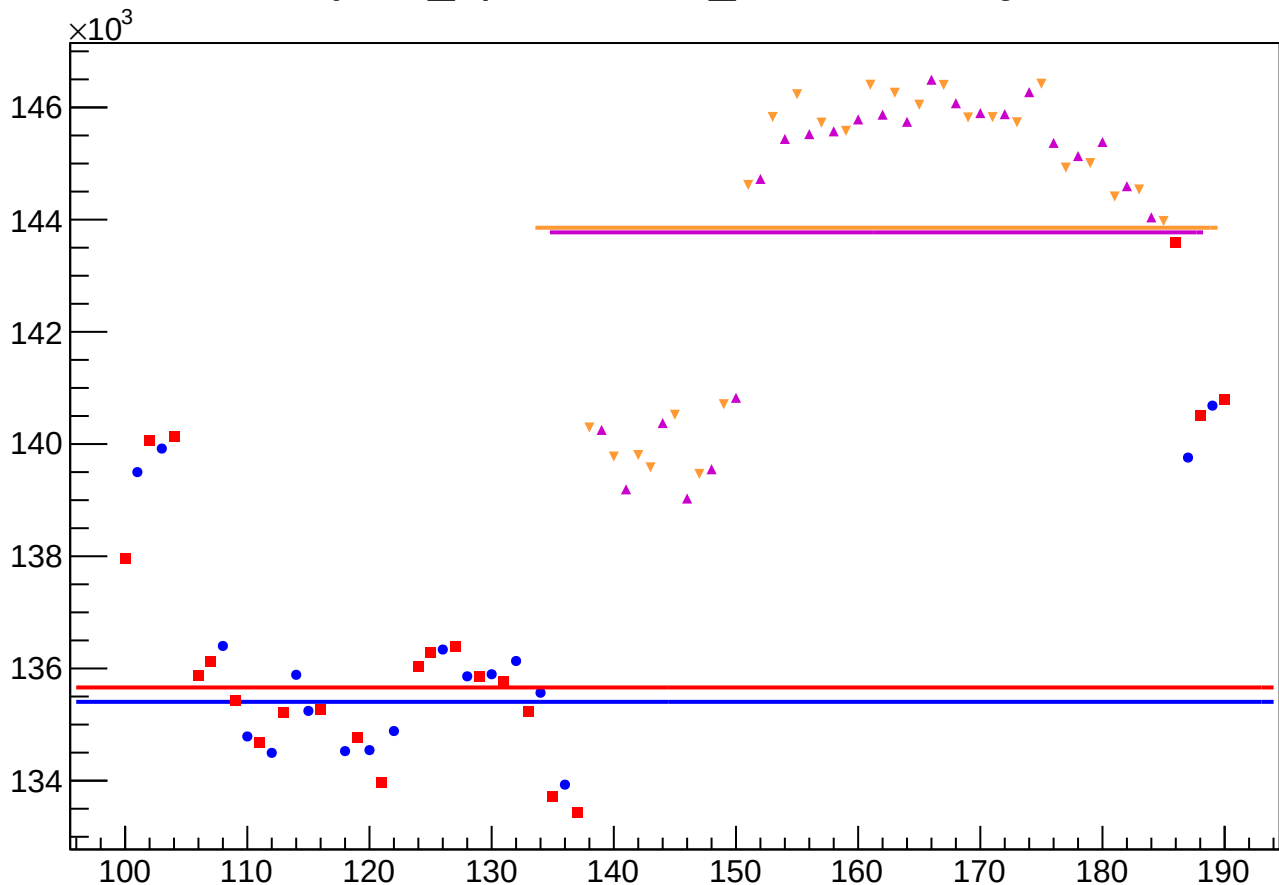
Left In: 274.177 $\pm$ 0.047 χ^2 /NDF: 2236755.2/22

+ sign 274.016 $\pm$ 0.039 χ^2 /NDF: 4389971.0/42

All: 273.495 $\pm$ 0.028 χ^2 /NDF: 8332662.7/87

- sign 272.985 $\pm$ 0.039 χ^2 /NDF: 3942341.6/44

yield_bpm0i02WS_mean vs Slug



Right In: 135405.067 ± 0.054

χ^2/NDF : 665649427.2/17

Left Out: 143855.894 ± 0.048

χ^2/NDF : 3130204188.4/24

Right Out: 135661.573 ± 0.050

χ^2/NDF : 1244706540.8/21

Left In: 143773.112 ± 0.051

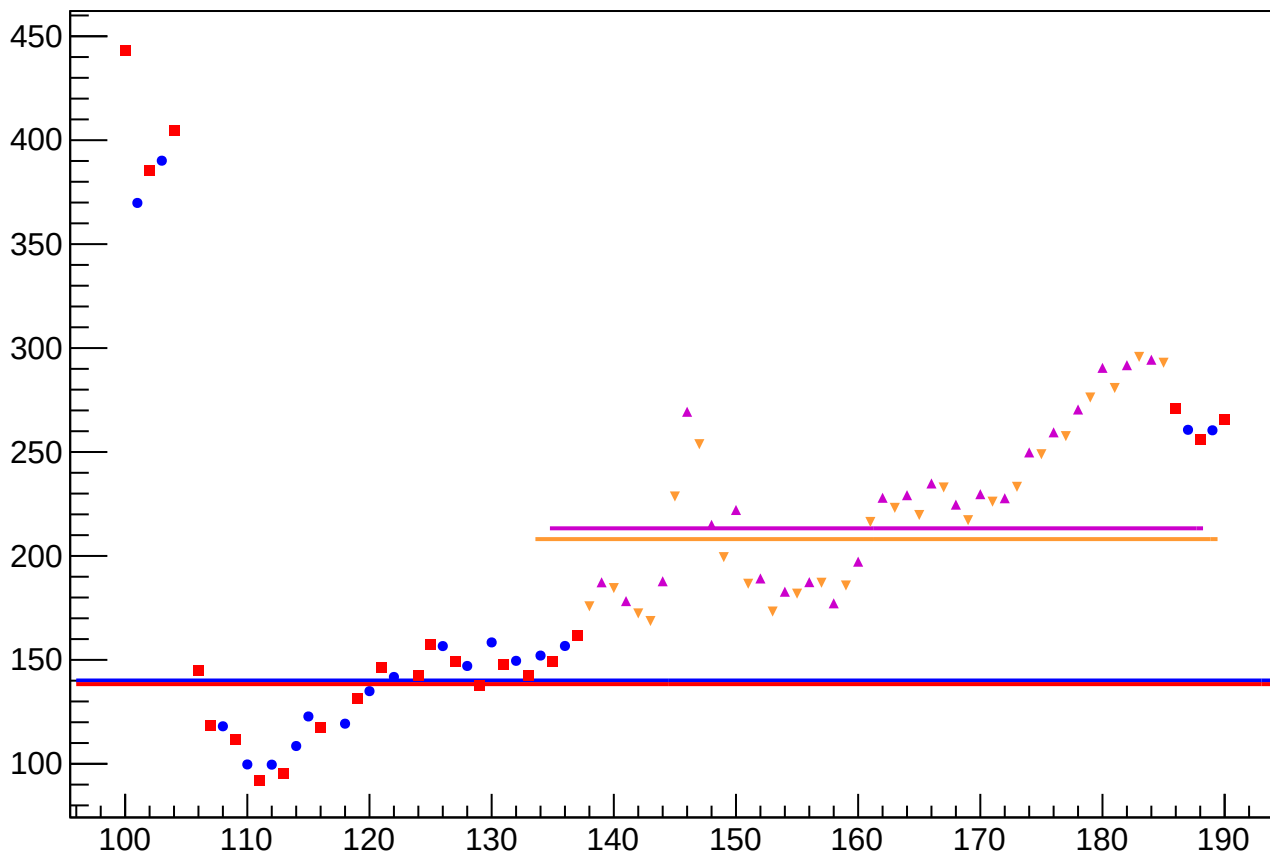
χ^2/NDF : 2803362782.2/22

+ sign 140087.567 ± 0.036 χ^2/NDF : 17427158499.

All: 139868.789 ± 0.025 χ^2/NDF : 344373897.

- sign 139653.144 ± 0.036 χ^2/NDF : 16936809024.7

yield_bpm0i02WS_rms vs Slug



Right In: 140.082 $\pm$ 0.038 χ^2 /NDF: 1699053.8/17

Left Out: 208.100 $\pm$ 0.034 χ^2 /NDF: 993011.6/24

Right Out: 138.327 $\pm$ 0.035 χ^2 /NDF: 2317646.8/21

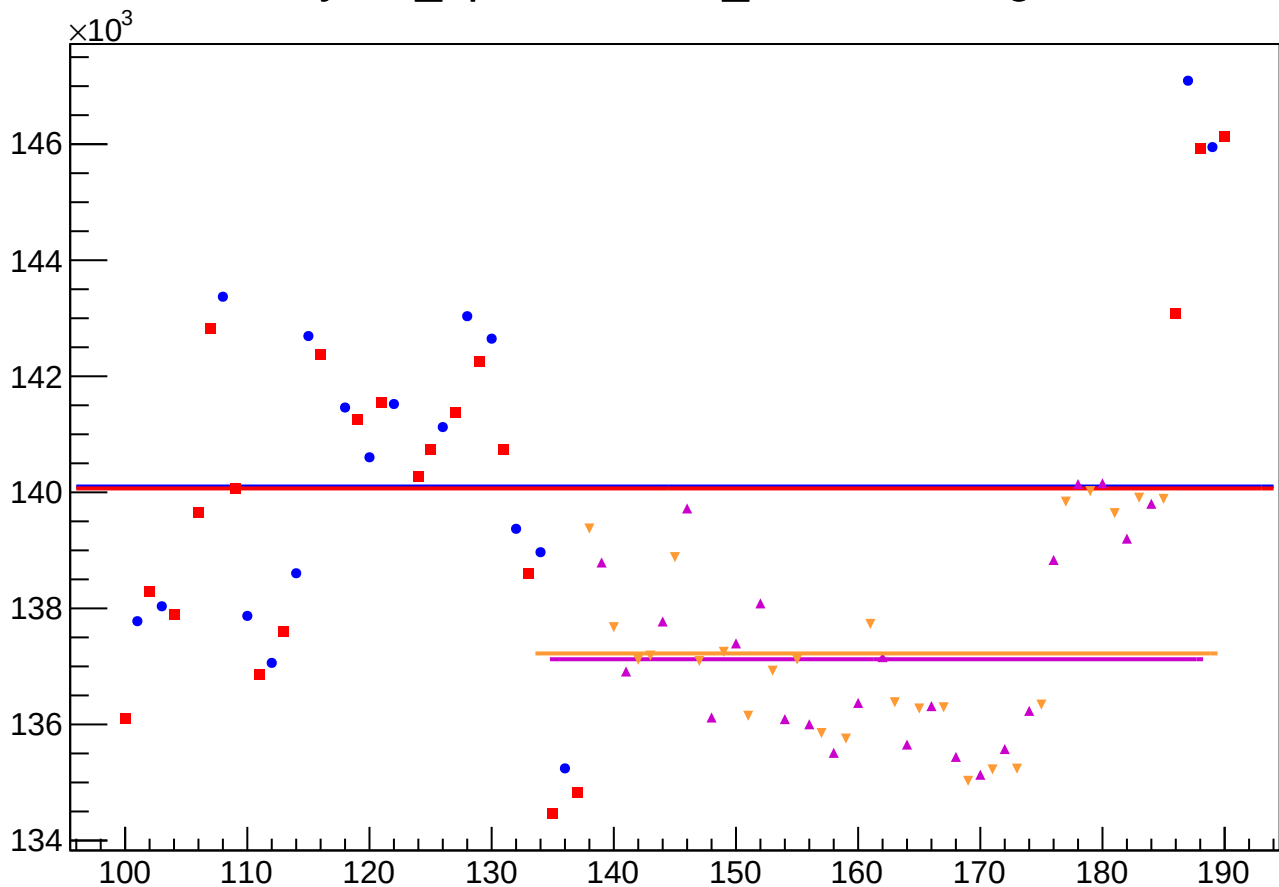
Left In: 213.288 $\pm$ 0.036 χ^2 /NDF: 865525.4/22

+ sign 177.770 $\pm$ 0.025 χ^2 /NDF: 4458201.2/42

All: 176.483 $\pm$ 0.018 χ^2 /NDF: 9847872.5/87

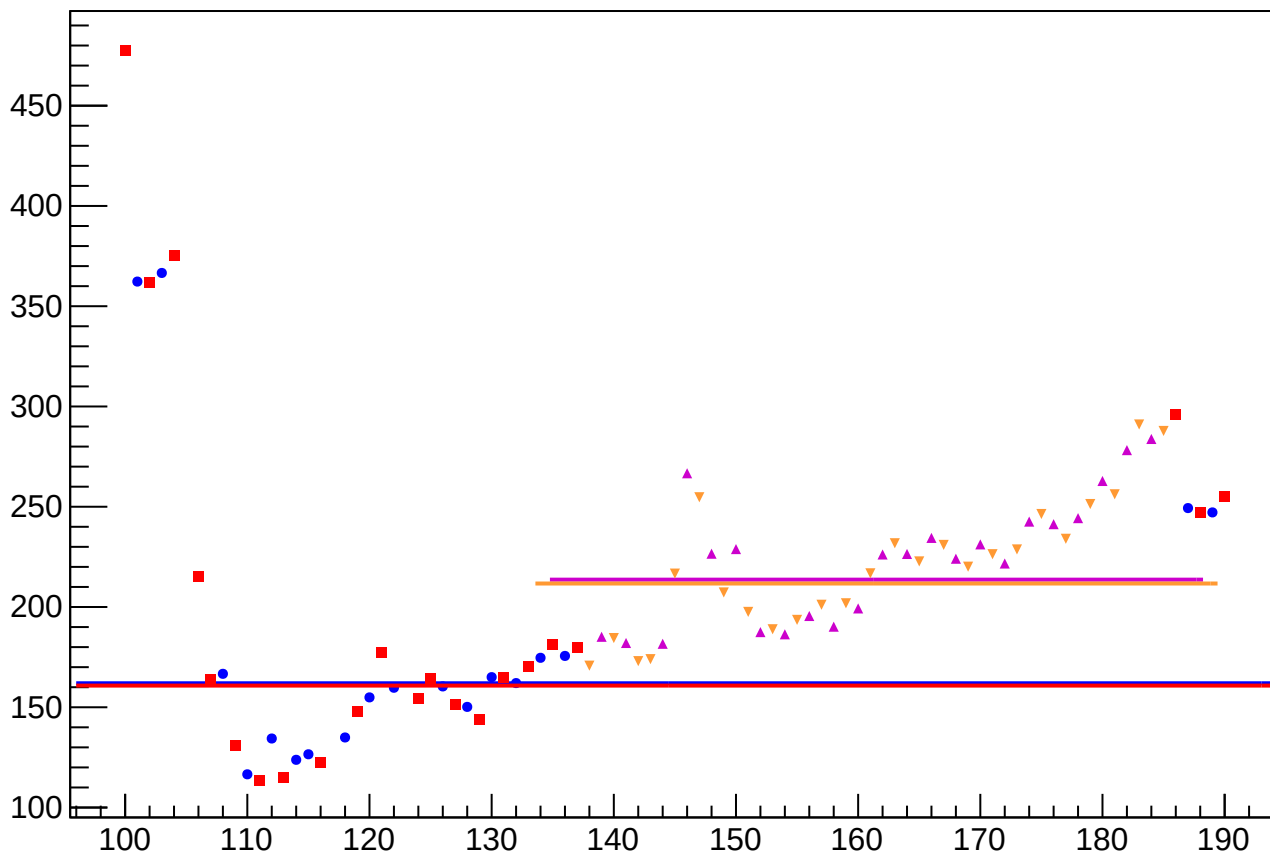
- sign 175.214 $\pm$ 0.025 χ^2 /NDF: 5384588.1/44

yield_bpm0i02aWS_mean vs Slug



Right In: 140100.355 $\pm$ 0.061 χ^2 /NDF: 2122353526.6/17
 Left Out: 137223.651 $\pm$ 0.049 χ^2 /NDF: 894565924.0/24
 Right Out: 140067.257 $\pm$ 0.057 χ^2 /NDF: 2300925505.8/21
 Left In: 137123.557 $\pm$ 0.051 χ^2 /NDF: 860635149.0/22
 + sign 138348.234 $\pm$ 0.038 χ^2 /NDF: 4361729505.1
 All: 138386.331 $\pm$ 0.027 χ^2 /NDF: 900236765
 - sign 138423.948 $\pm$ 0.038 χ^2 /NDF: 4638669479.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 161.963 $\pm$ 0.043 χ^2 /NDF: 1195707.9/17

Left Out: 211.714 $\pm$ 0.035 χ^2 /NDF: 675587.4/24

Right Out: 160.810 $\pm$ 0.040 χ^2 /NDF: 1760465.9/21

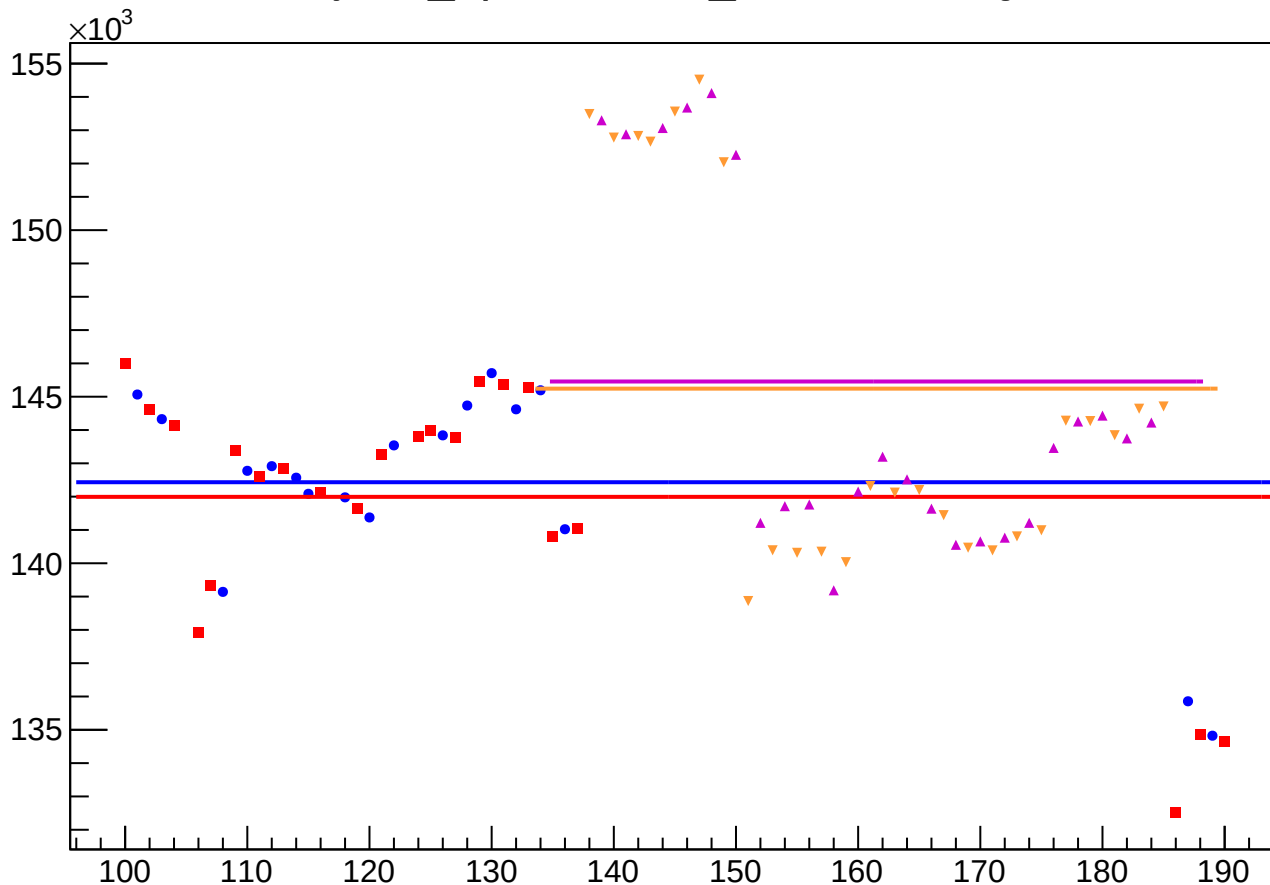
Left In: 213.641 $\pm$ 0.036 χ^2 /NDF: 621332.1/22

+ sign 192.265 $\pm$ 0.027 χ^2 /NDF: 2675736.2/42

All: 191.277 $\pm$ 0.019 χ^2 /NDF: 6011724.4/87

- sign 190.302 $\pm$ 0.027 χ^2 /NDF: 3333343.0/44

yield_bpm0i05WS_mean vs Slug



Right In: 142432.841 $\pm$ 0.064

χ^2 /NDF: 1600310828.2/17

Left Out: 145242.337 $\pm$ 0.050

χ^2 /NDF: 13032998081.1/24

Right Out: 141993.601 $\pm$ 0.058

χ^2 /NDF: 2944948925.5/21

Left In: 145456.704 $\pm$ 0.052

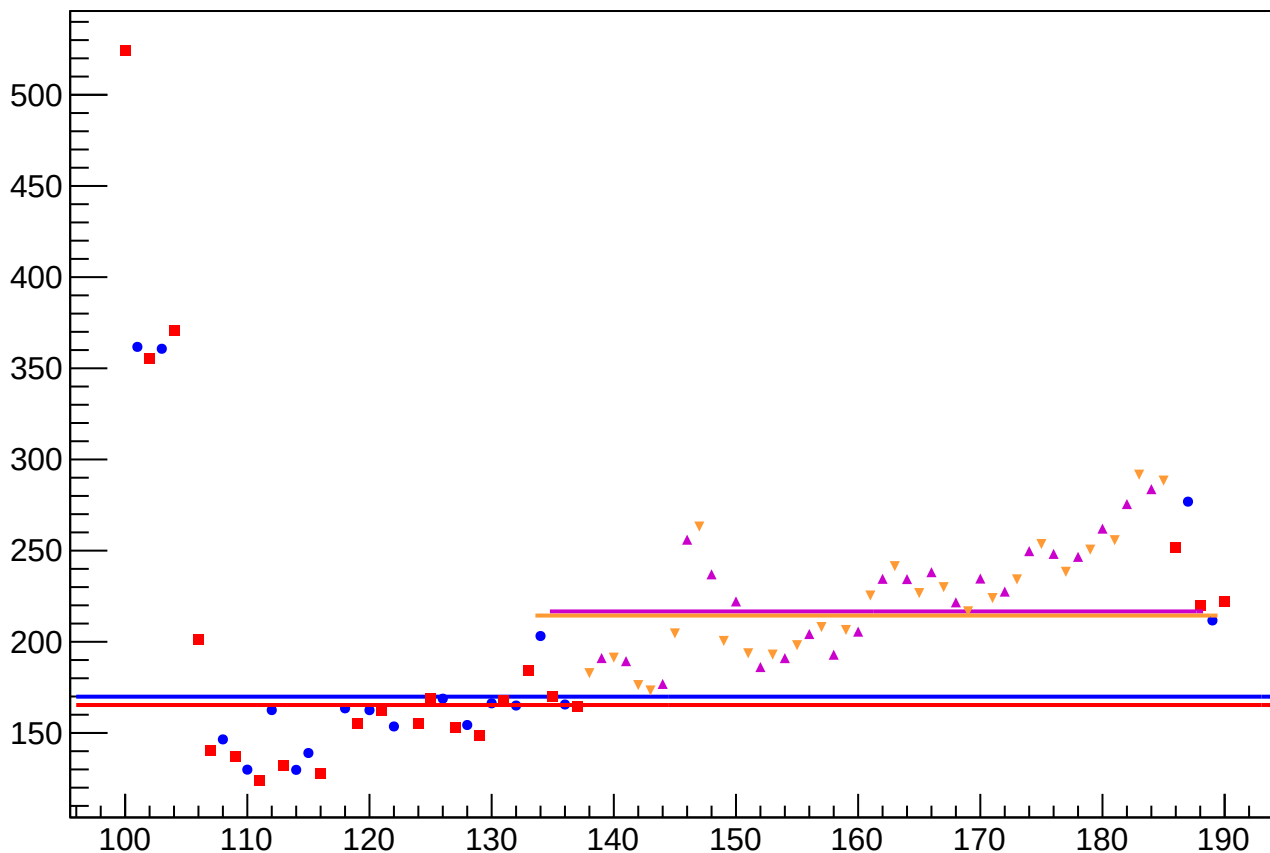
χ^2 /NDF: 11073020116.4/22

+ sign 144182.494 $\pm$ 0.039 χ^2 /NDF: 15842620426.

All: 144053.982 $\pm$ 0.027 χ^2 /NDF: 318699742

- sign 143929.353 $\pm$ 0.039 χ^2 /NDF: 16006138441.8

yield_bpm0i05WS_rms vs Slug



Right In: 169.906 $\pm$ 0.045 χ^2 /NDF: 965275.8/17

Left Out: 214.391 $\pm$ 0.035 χ^2 /NDF:643384.3/24

Right Out: 165.331 $\pm$ 0.041 χ^2 /NDF: 1305269.7/21

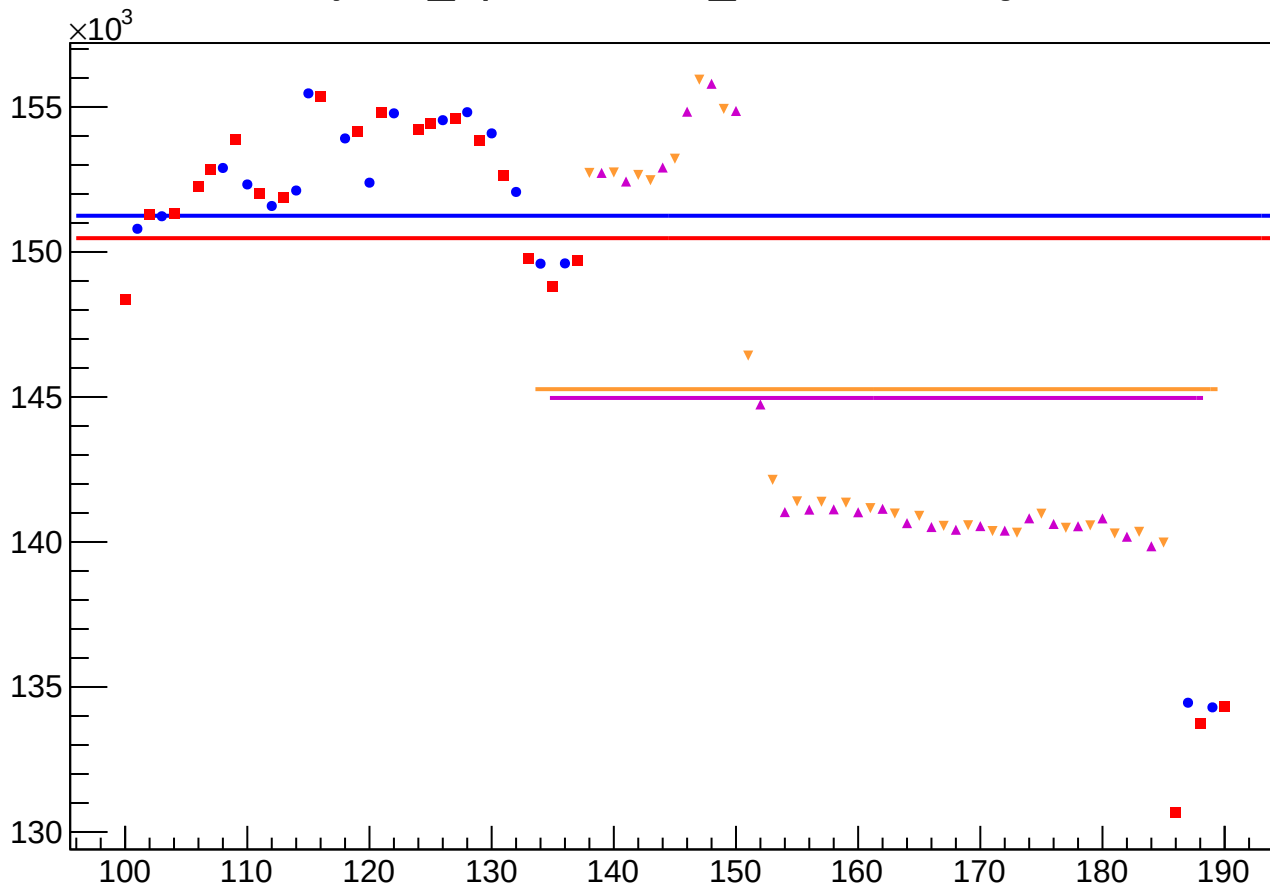
Left In: 216.654 $\pm$ 0.036 χ^2 /NDF:587166.8/22

+ sign 197.610 $\pm$ 0.028 χ^2 /NDF: 2215030.6/42

All: 195.787 $\pm$ 0.019 χ^2 /NDF: 4989335.9/87

- sign 194.019 $\pm$ 0.027 χ^2 /NDF: 2765766.9/44

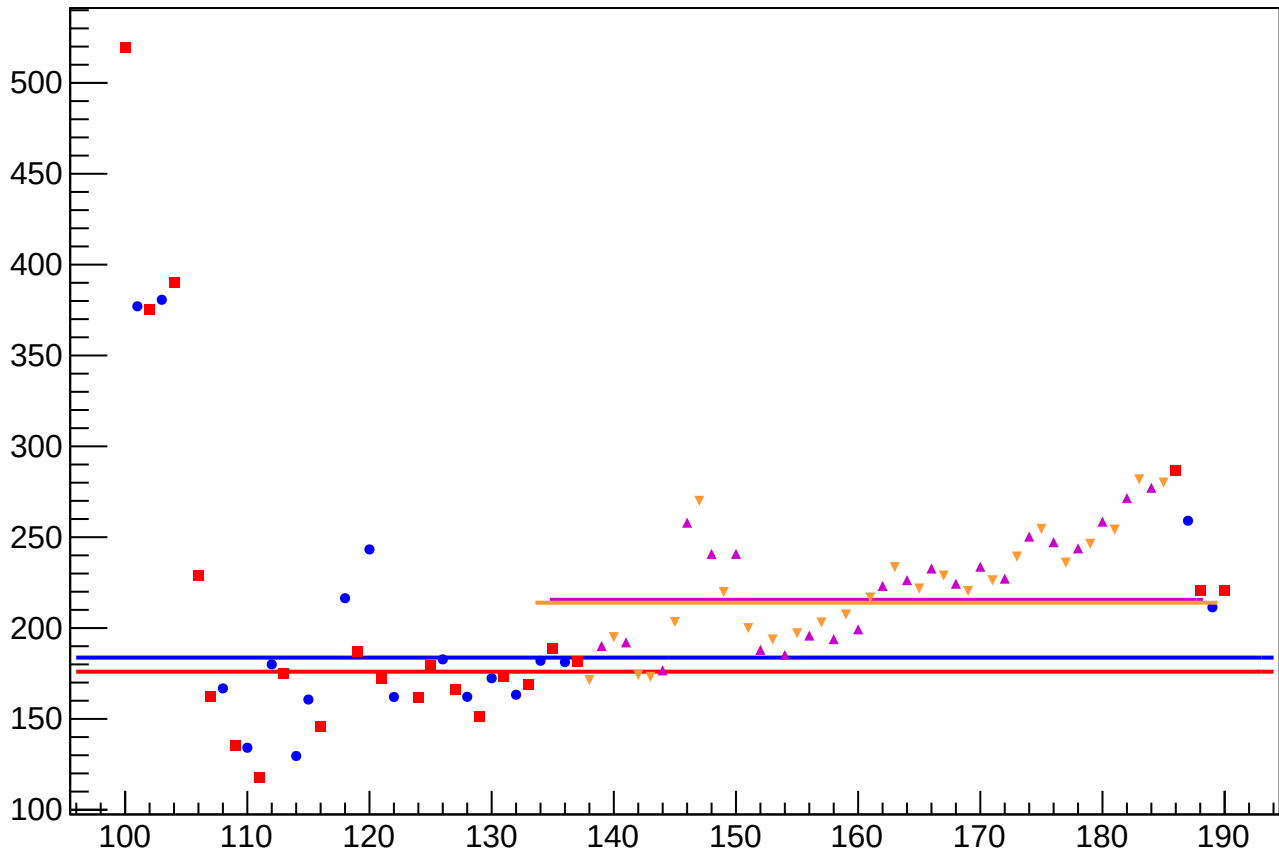
yield_bpm0i07WS_mean vs Slug



Right In: 151249.437 $\pm$ 0.070 χ^2 /NDF: 5137757260.5/17
 Left Out: 145269.857 $\pm$ 0.049 χ^2 /NDF: 13706269279.5/24
 Right Out: 150476.581 $\pm$ 0.062 χ^2 /NDF: 11119924987.5/21
 Left In: 144966.398 $\pm$ 0.051 χ^2 /NDF: 13154547043.3/22

+ sign 147257.828 $\pm$ 0.040 χ^2 /NDF: 23717579097.1
 All: 147218.262 $\pm$ 0.028 χ^2 /NDF: 526463965.1
 - sign 147180.147 $\pm$ 0.040 χ^2 /NDF: 28926929805.1

yield_bpm0i07WS_rms vs Slug



Right In: 183.738 $\pm$ 0.049 χ^2 /NDF: 959467.7/17

Left Out: 213.951 $\pm$ 0.035 χ^2 /NDF: 650607.8/24

Right Out: 175.994 $\pm$ 0.044 χ^2 /NDF: 1342463.0/21

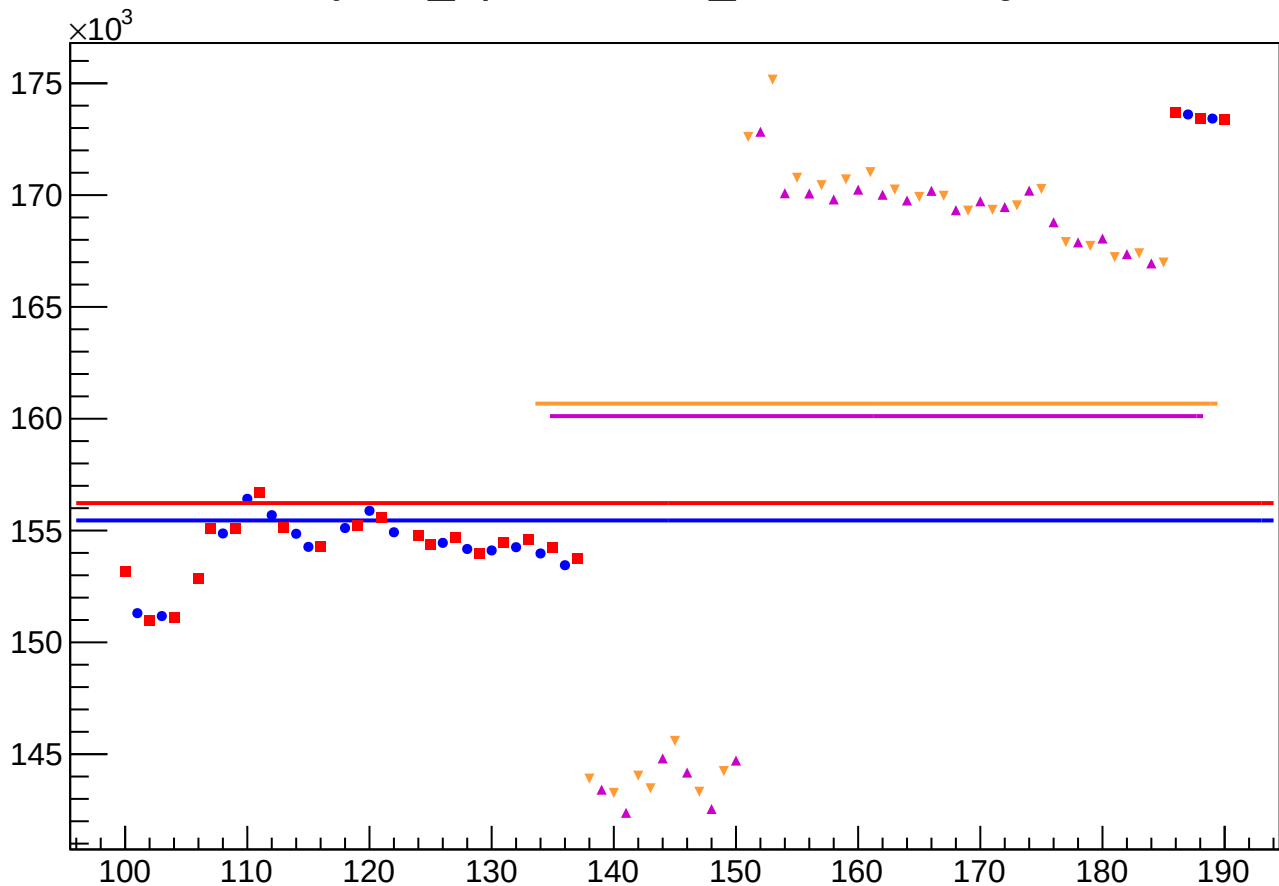
Left In: 215.539 $\pm$ 0.036 χ^2 /NDF: 600575.7/22

+ sign 203.907 $\pm$ 0.029 χ^2 /NDF: 1858913.3/42

All: 201.739 $\pm$ 0.020 χ^2 /NDF: 4292525.8/87

- sign 199.651 $\pm$ 0.028 χ^2 /NDF: 2422283.6/44

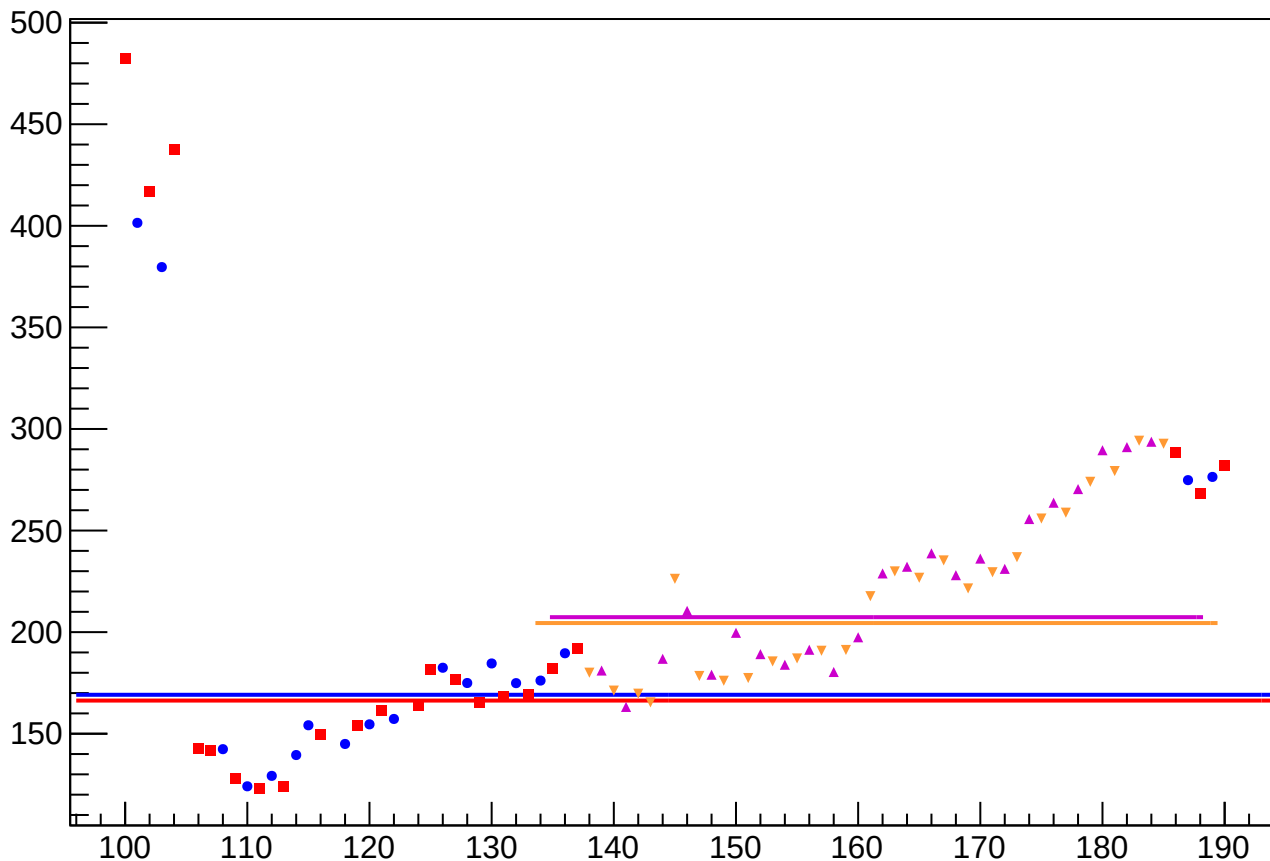
yield_bpm1i02WS_mean vs Slug



Right In: 155451.624 ± 0.064 $\chi^2/\text{NDF}: 3441917535.8/17$
 Left Out: 160674.818 ± 0.047 $\chi^2/\text{NDF}: 74155131898.4/24$
 Right Out: 156227.862 ± 0.059 $\chi^2/\text{NDF}: 7477303137.8/21$
 Left In: 160117.460 ± 0.049 $\chi^2/\text{NDF}: 66553191753.2/22$

All: 158662.192 ± 0.027 $\chi^2/\text{NDF}: 158541930$
 + sign 158822.570 ± 0.038 $\chi^2/\text{NDF}: 81904661181.$
 - sign 158504.185 ± 0.038 $\chi^2/\text{NDF}: 76602041773.3$

yield_bpm1i02WS_rms vs Slug



Right In: 169.165 $\pm$ 0.045 χ^2 /NDF: 1295349.3/17

Left Out: 204.476 $\pm$ 0.034 χ^2 /NDF:1073199.0/24

Right Out: 166.320 $\pm$ 0.041 χ^2 /NDF: 1829645.3/21

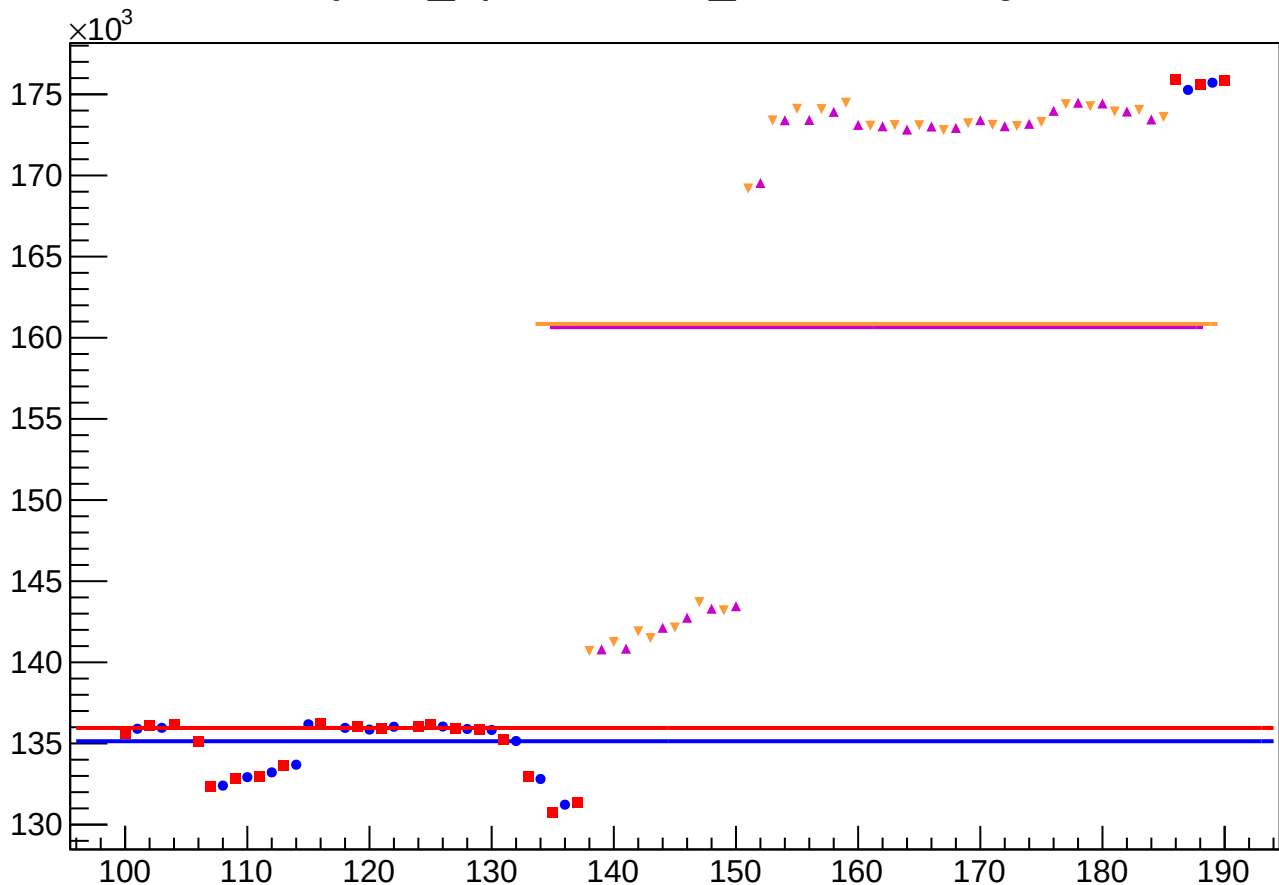
Left In: 207.368 $\pm$ 0.035 χ^2 /NDF:956644.0/22

+ sign 191.954 $\pm$ 0.027 χ^2 /NDF: 2762284.6/42

All: 191.143 $\pm$ 0.019 χ^2 /NDF: 6123179.5/87

- sign 190.343 $\pm$ 0.027 χ^2 /NDF: 3359090.1/44

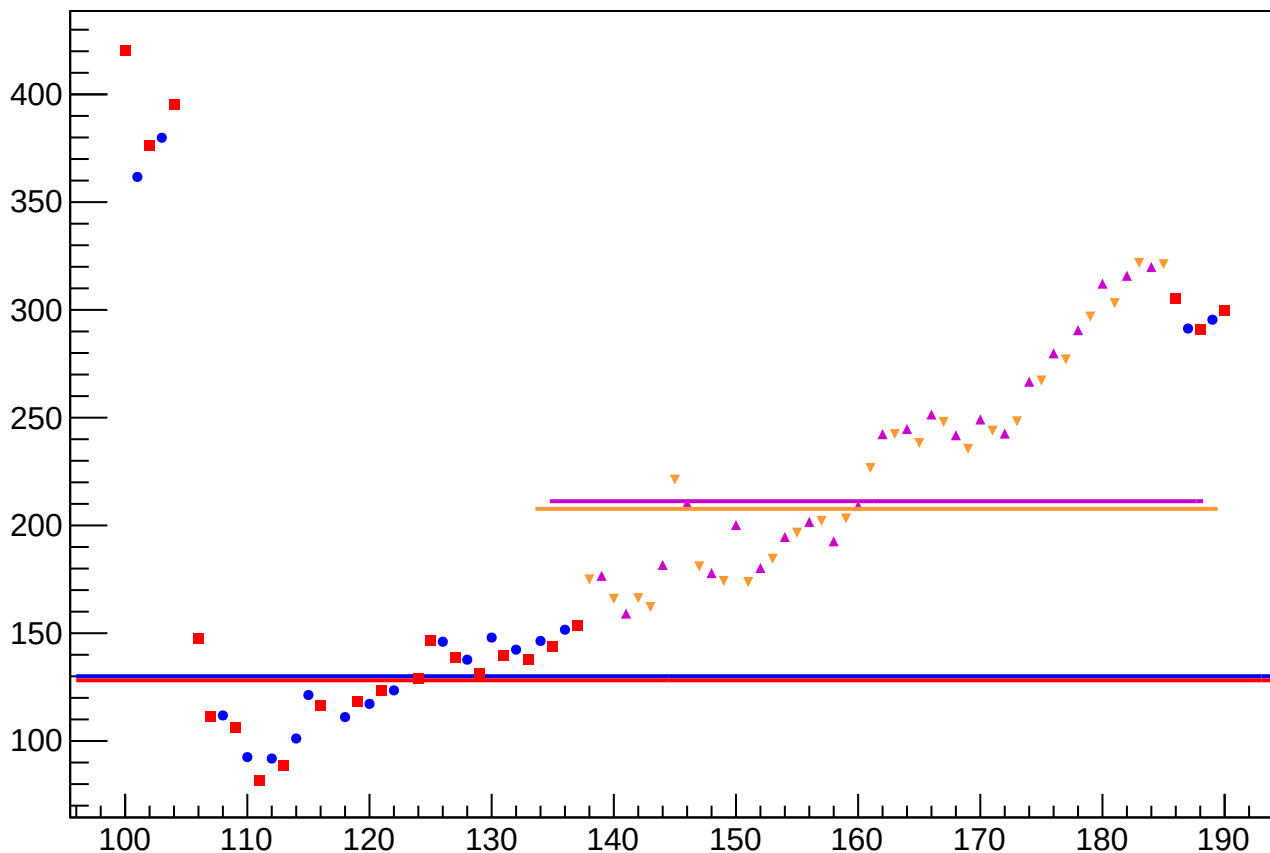
yield_bpm1i04WS_mean vs Slug



Right In: 135139.060 ± 0.050 $\chi^2/\text{NDF}: 14947115653.1/17$
 Left Out: 160851.077 ± 0.048 $\chi^2/\text{NDF}: 99202825178.3/24$
 Right Out: 135956.888 ± 0.047 $\chi^2/\text{NDF}: 32974100338.9/21$
 Left In: 160654.189 ± 0.051 $\chi^2/\text{NDF}: 90149721861.0/22$

+ sign 148479.949 ± 0.035 $\chi^2/\text{NDF}: 249770819655$
 All: 147922.461 ± 0.025 $\chi^2/\text{NDF}: 501409479$
 - sign 147379.820 ± 0.034 $\chi^2/\text{NDF}: 251134681423$

yield_bpm1i04WS_rms vs Slug



Right In: 130.055 $\pm$ 0.036 χ^2 /NDF: 1932782.7/17

Left Out: 207.689 $\pm$ 0.034 χ^2 /NDF:1500711.5/24

Right Out: 128.161 $\pm$ 0.033 χ^2 /NDF: 2766912.9/21

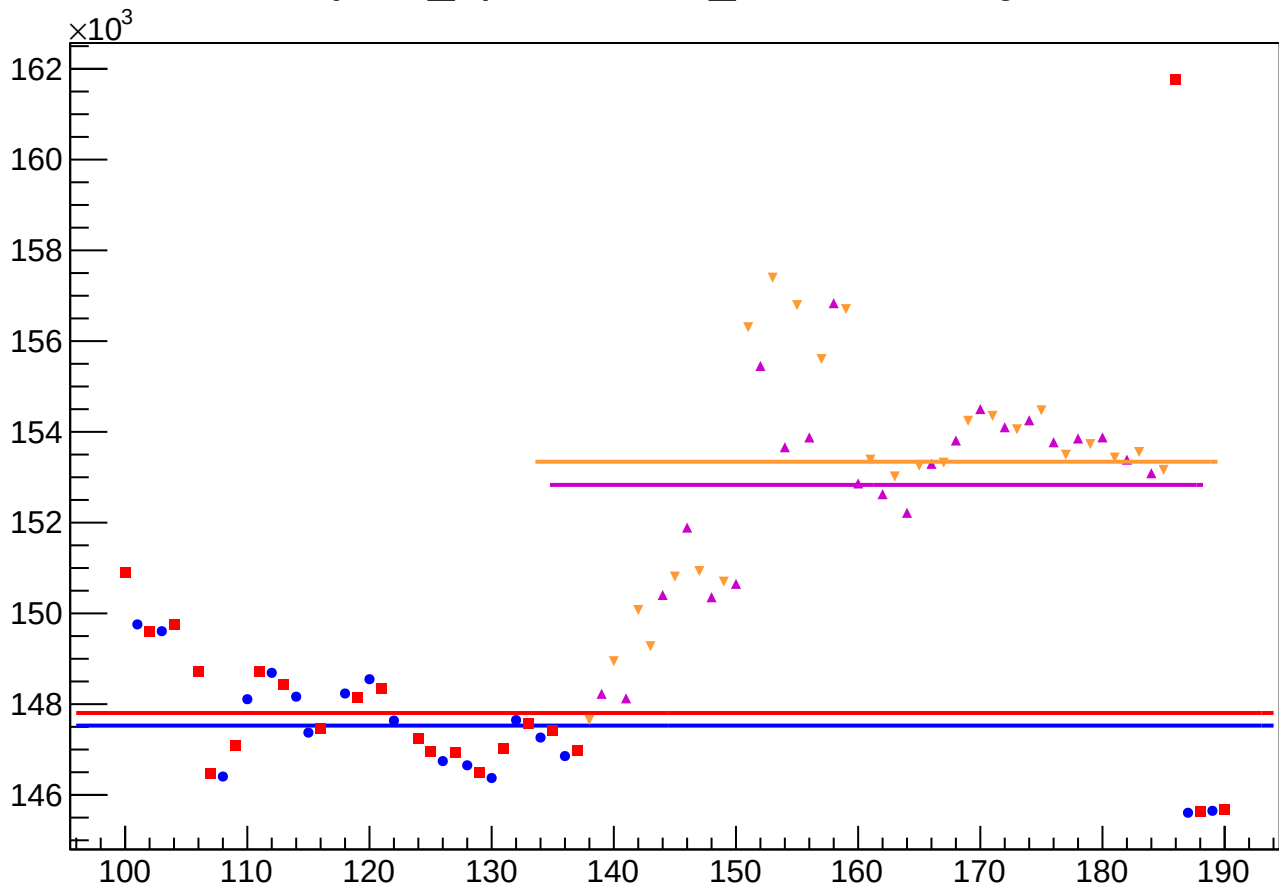
Left In: 211.254 $\pm$ 0.036 χ^2 /NDF:1305730.5/22

+ sign 170.336 $\pm$ 0.025 χ^2 /NDF: 5906270.4/42

All: 168.440 $\pm$ 0.017 χ^2 /NDF: 12888640.8/87

- sign 166.593 $\pm$ 0.024 χ^2 /NDF: 6970703.0/44

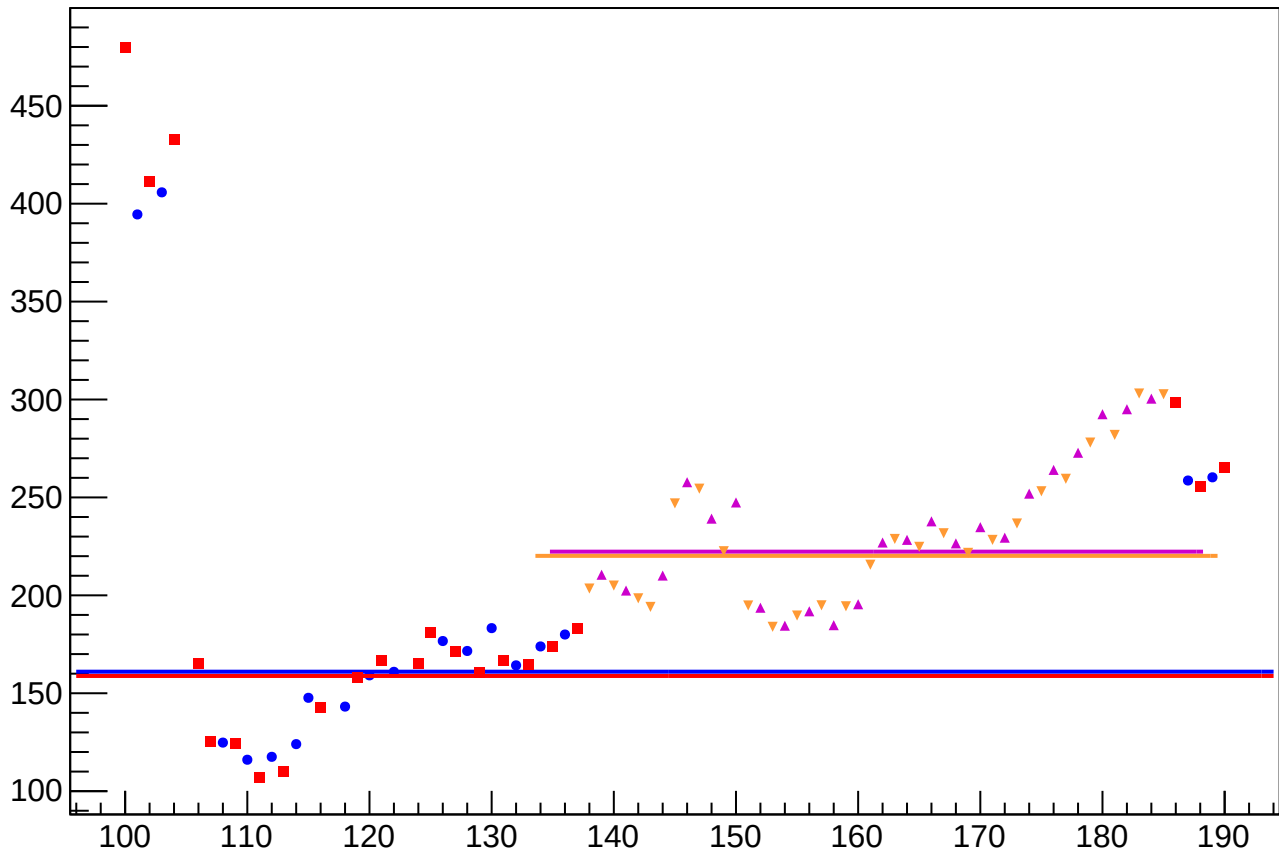
yield_bpm1i06WS_mean vs Slug



Right In: 147527.473 $\pm$ 0.061 χ^2 /NDF: 239900868.5/17
 Left Out: 153342.472 $\pm$ 0.051 χ^2 /NDF: 2978670616.9/24
 Right Out: 147805.644 $\pm$ 0.057 χ^2 /NDF: 1179669418.6/21
 Left In: 152831.399 $\pm$ 0.053 χ^2 /NDF: 1914395326.4/22

+ sign 150971.278 $\pm$ 0.039 χ^2 /NDF: 8561596262.1
 All: 150730.045 $\pm$ 0.027 χ^2 /NDF: 159435502
 - sign 150494.611 $\pm$ 0.039 χ^2 /NDF: 7306716432.9/

yield_bpm1i06WS_rms vs Slug



Right In: 161.014 $\pm$ 0.043 χ^2 /NDF: 1481272.3/17

Left Out: 220.156 $\pm$ 0.036 χ^2 /NDF: 685590.6/24

Right Out: 158.827 $\pm$ 0.040 χ^2 /NDF: 2055652.5/21

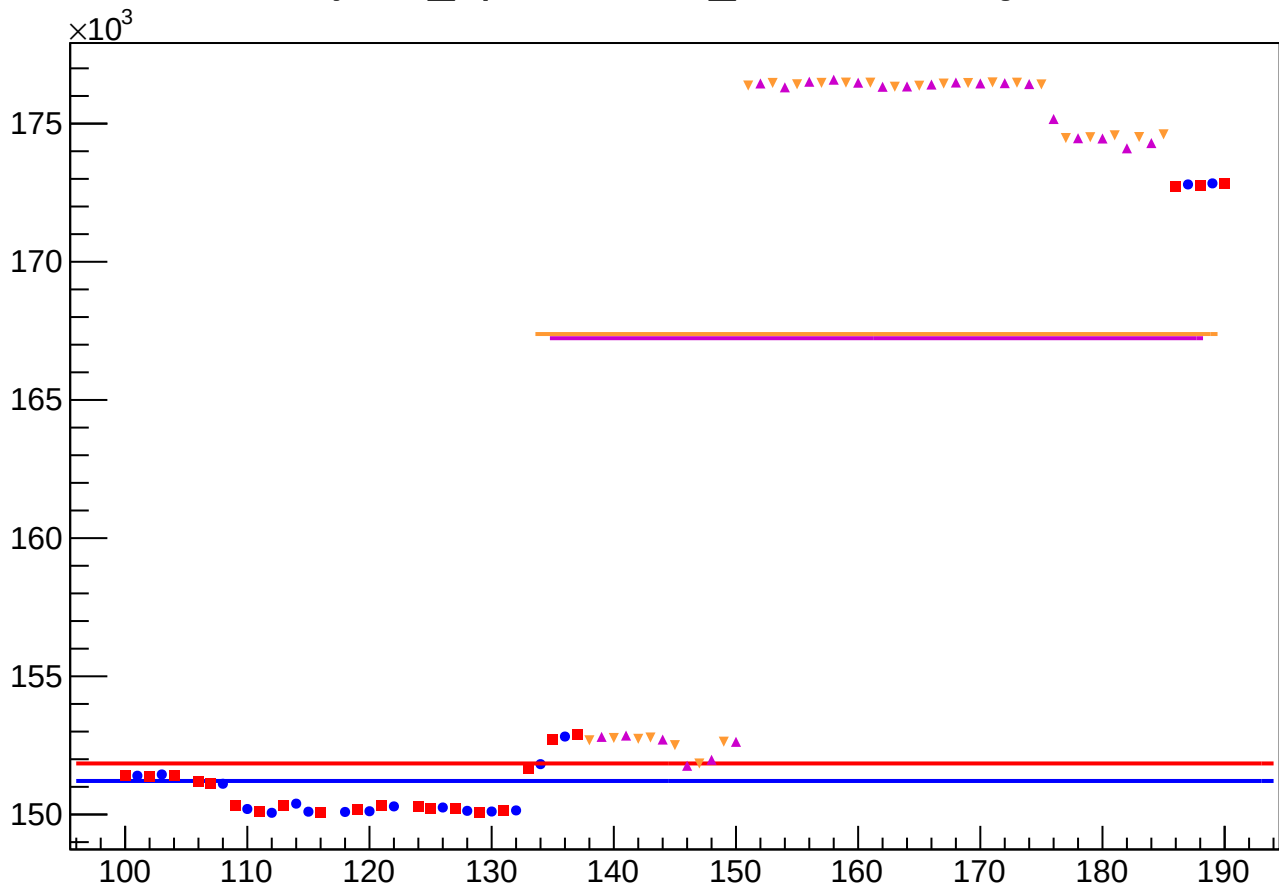
Left In: 222.304 $\pm$ 0.037 χ^2 /NDF: 697605.9/22

+ sign 196.039 $\pm$ 0.028 χ^2 /NDF: 3272238.8/42

All: 194.395 $\pm$ 0.019 χ^2 /NDF: 7376545.7/87

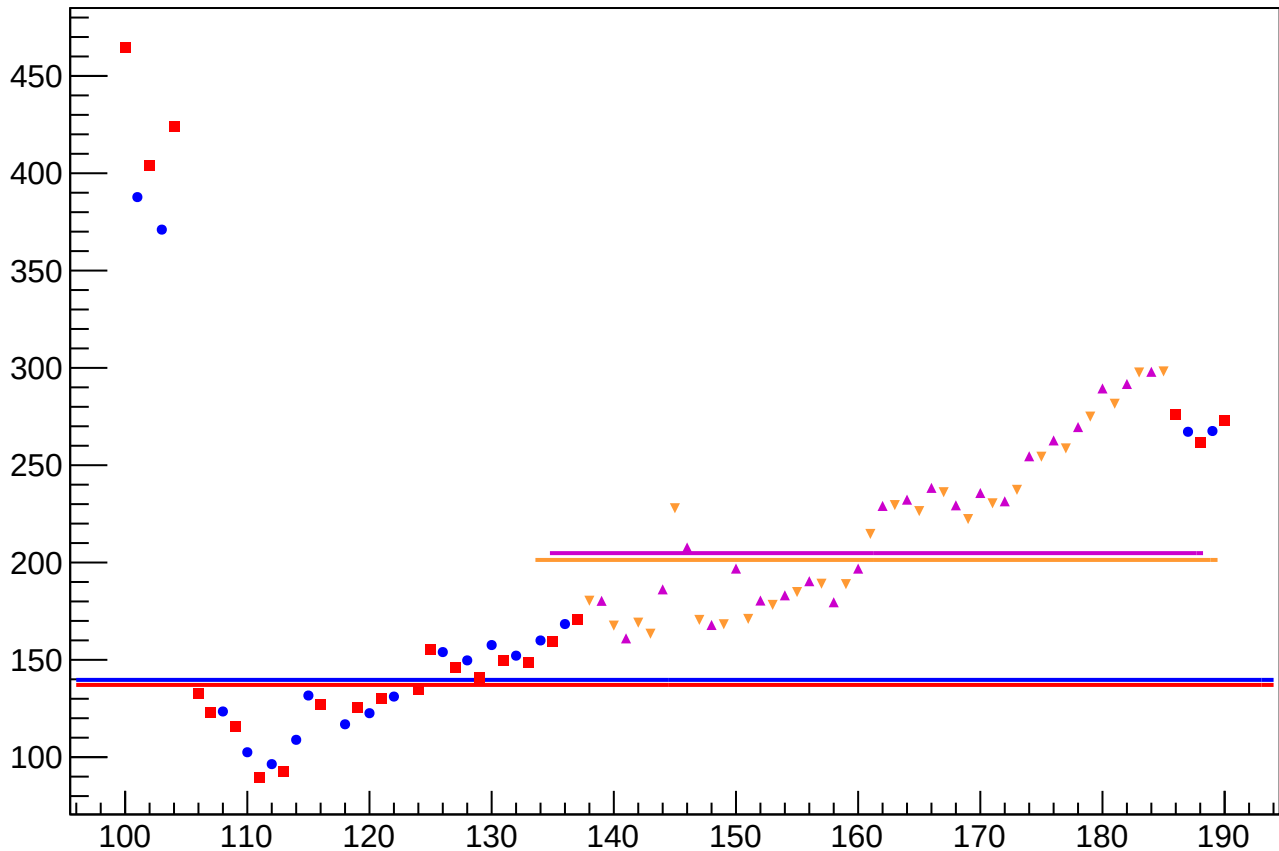
- sign 192.790 $\pm$ 0.027 χ^2 /NDF: 4097313.8/44

yield_bpm2i01WS_mean vs Slug



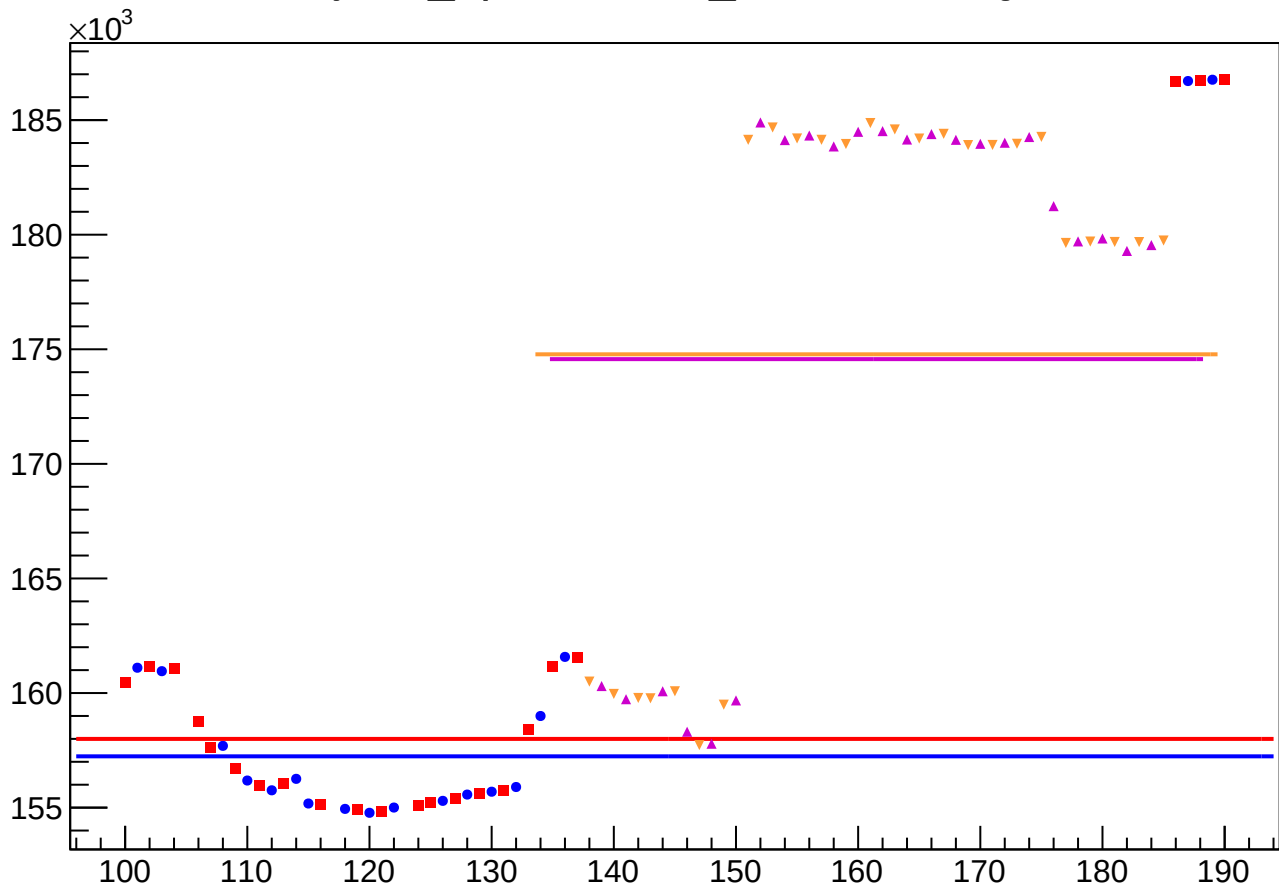
Right In: 151212.768 $\pm$ 0.054 χ^2 /NDF: 5044604678.4/17
 Left Out: 167385.483 $\pm$ 0.047 χ^2 /NDF: 59602607546.2/24
 Right Out: 151846.693 $\pm$ 0.049 χ^2 /NDF: 11174213078.4/21
 Left In: 167234.214 $\pm$ 0.049 χ^2 /NDF: 55099214555.0/22
 + sign 160432.643 $\pm$ 0.035 χ^2 /NDF: 116135373089
 All: 160028.756 $\pm$ 0.025 χ^2 /NDF: 231617954
 - sign 159636.537 $\pm$ 0.035 χ^2 /NDF: 115224324554

yield_bpm2i01WS_rms vs Slug



Right In: 139.704 $\pm$ 0.038	χ^2 /NDF: 1752274.6/17	+ sign 174.835 $\pm$ 0.025	χ^2 /NDF: 4478080.7/42
Left Out: 201.329 $\pm$ 0.033	χ^2 /NDF: 1230655.6/24	All: 173.090 $\pm$ 0.018	χ^2 /NDF: 9900869.6/87
Right Out: 137.118 $\pm$ 0.035	χ^2 /NDF: 2464476.6/21	- sign 171.395 $\pm$ 0.025	χ^2 /NDF: 5413141.8/44
Left In: 204.826 $\pm$ 0.035	χ^2 /NDF: 1053130.7/22		

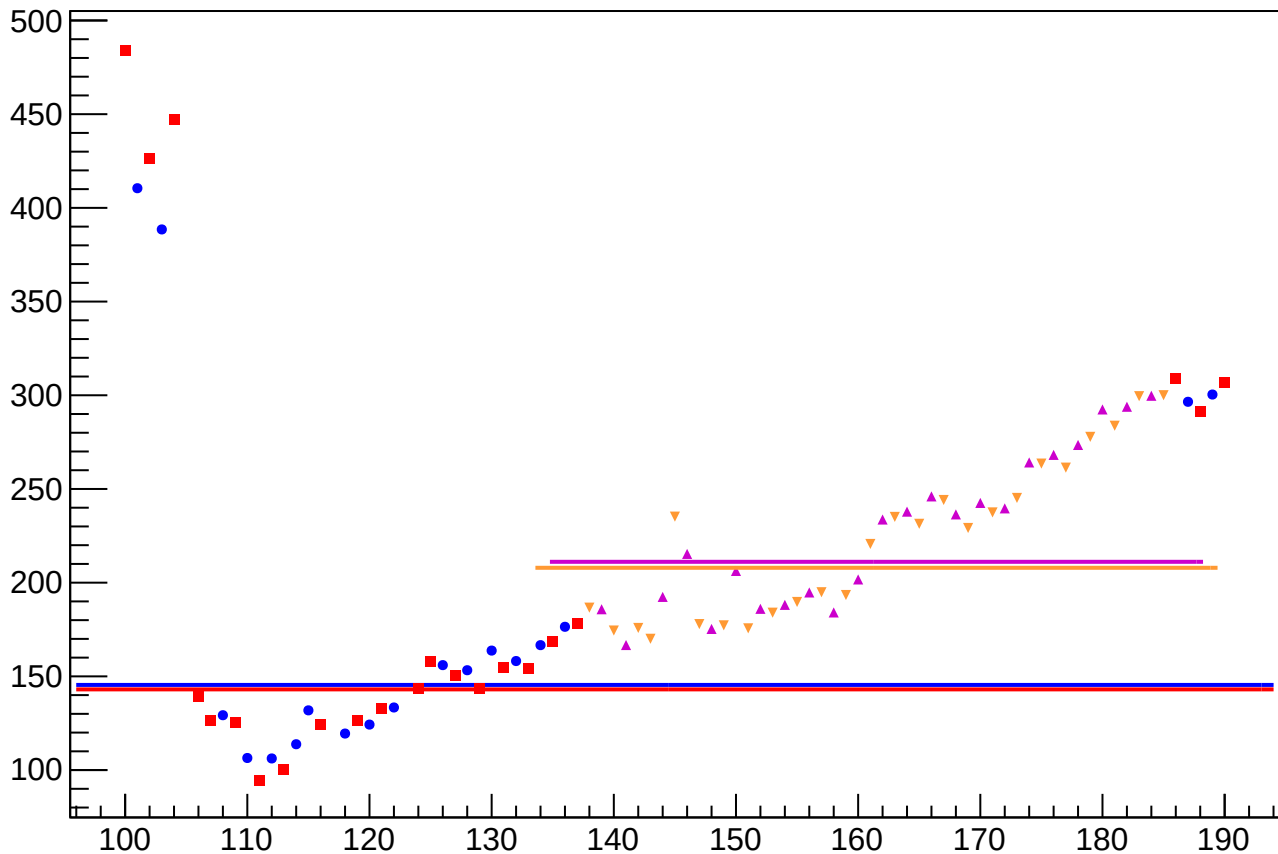
yield_bpm2i02WS_mean vs Slug



Right In: 157238.285 $\pm$ 0.056 χ^2 /NDF: 8415968874.5/17
 Left Out: 174780.651 $\pm$ 0.048 χ^2 /NDF: 58132787948.0/24
 Right Out: 157998.689 $\pm$ 0.052 χ^2 /NDF: 17596561066.0/21
 Left In: 174570.001 $\pm$ 0.050 χ^2 /NDF: 54757801795.4/22

+ sign 167328.986 $\pm$ 0.037 χ^2 /NDF: 122801181479
 All: 166916.857 $\pm$ 0.026 χ^2 /NDF: 248087825
 - sign 166515.382 $\pm$ 0.036 χ^2 /NDF: 125035794985

yield_bpm2i02WS_rms vs Slug



Right In: 145.434 $\pm$ 0.040 χ^2 /NDF: 1779778.3/17

Left Out: 207.940 $\pm$ 0.034 χ^2 /NDF:1132127.7/24

Right Out: 143.055 $\pm$ 0.037 χ^2 /NDF: 2544317.4/21

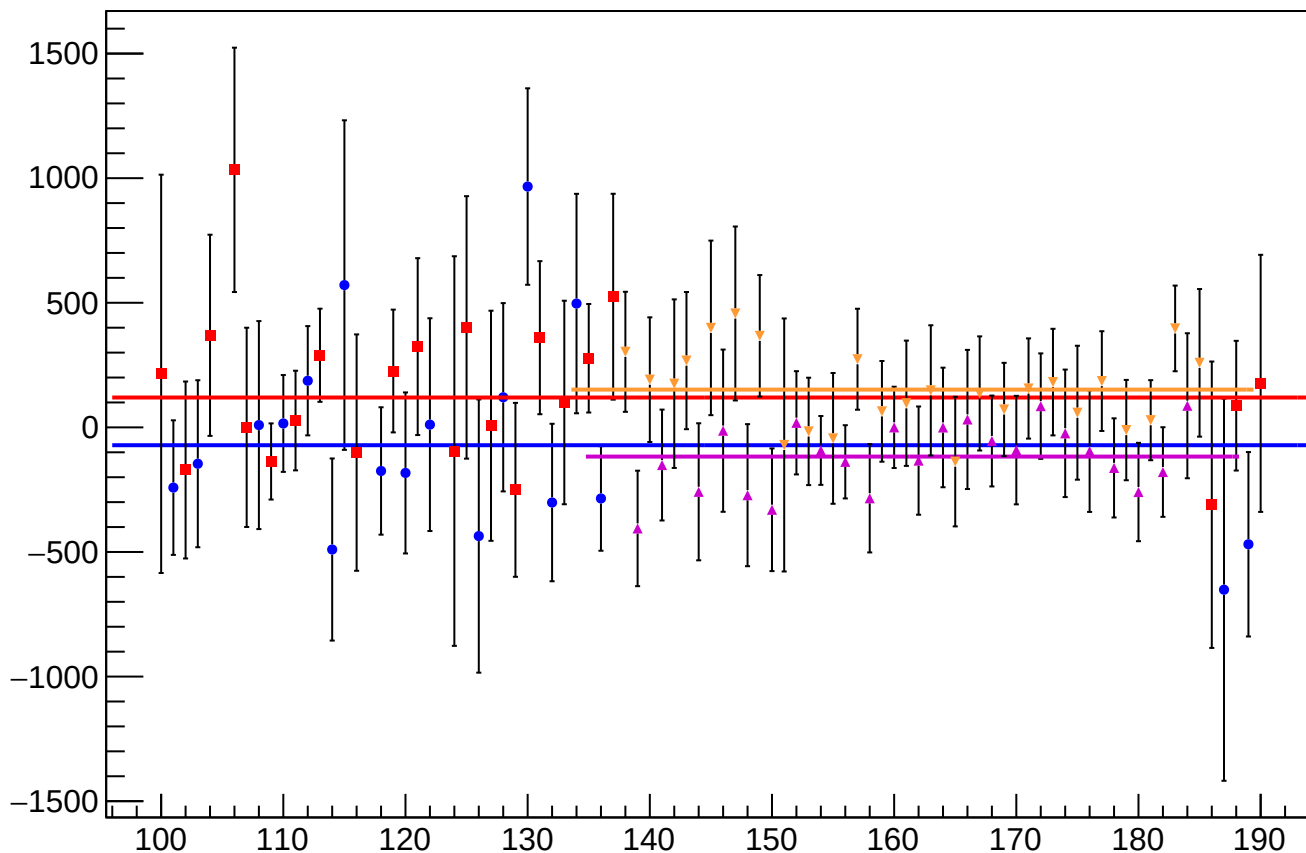
Left In: 211.133 $\pm$ 0.036 χ^2 /NDF:993720.4/22

+ sign 181.388 $\pm$ 0.026 χ^2 /NDF: 4340244.5/42

All: 179.694 $\pm$ 0.018 χ^2 /NDF: 9665030.7/87

- sign 178.043 $\pm$ 0.026 χ^2 /NDF: 5316304.1/44

asym_bcm_target_mean vs Slug



Right In: -71.565 ± 74.646 χ^2/NDF : 17.2/17

Left Out: 151.598 ± 46.419 χ^2/NDF : 9.6/24

Right Out: 119.859 ± 65.283 χ^2/NDF : 13.5/21

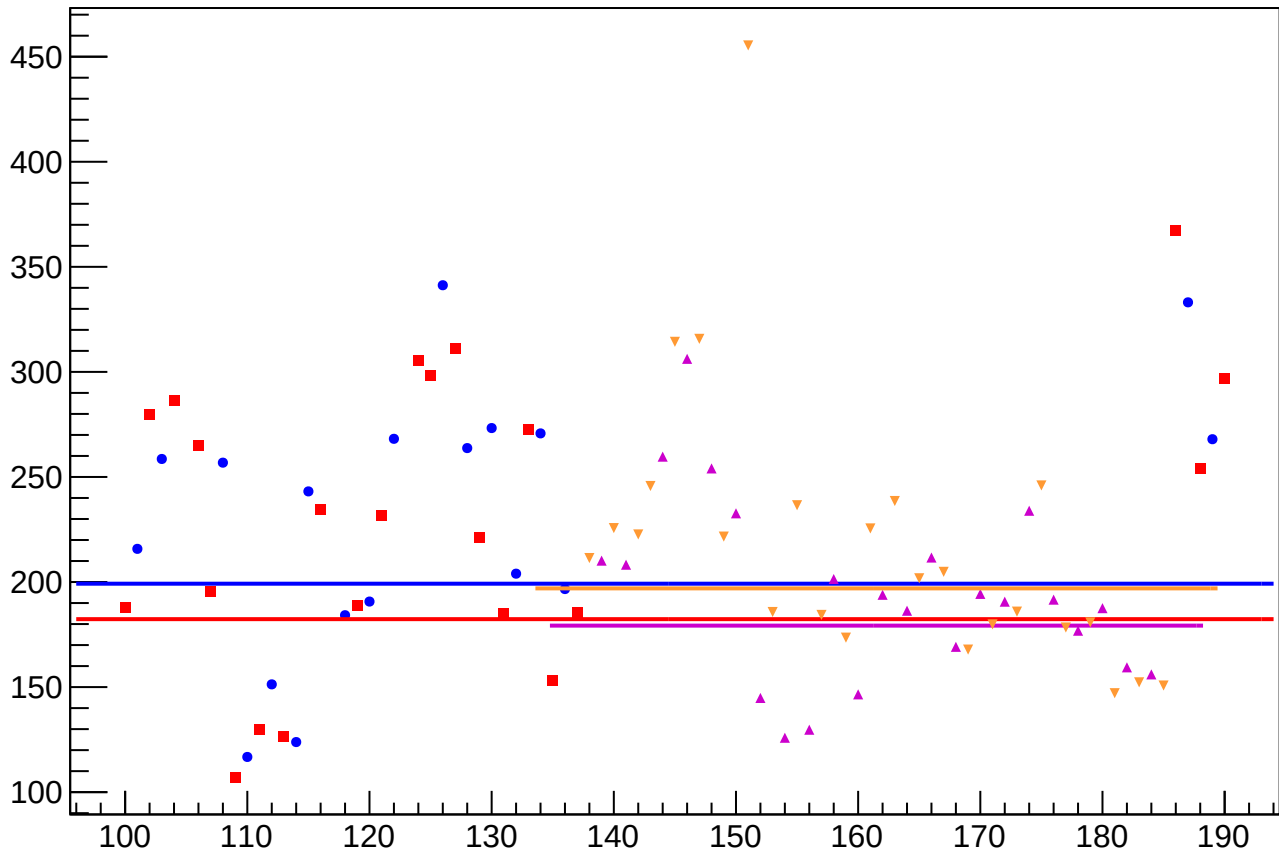
Left In: -117.163 ± 43.778 χ^2/NDF : 7.5/22

+ sign 89.365 ± 39.419 χ^2/NDF : 33.3/42

All: 17.502 ± 26.726 χ^2/NDF : 69.5/87

- sign -43.640 ± 36.360 χ^2/NDF : 30.0/44

asym_bcm_target_rms vs Slug



Right In: 199.205 $\pm$ 0.053 χ^2 /NDF: 1165209.1/17

Left Out: 196.975 $\pm$ 0.033 χ^2 /NDF:1809307.4/24

Right Out: 182.335 $\pm$ 0.046 χ^2 /NDF: 2129479.9/21

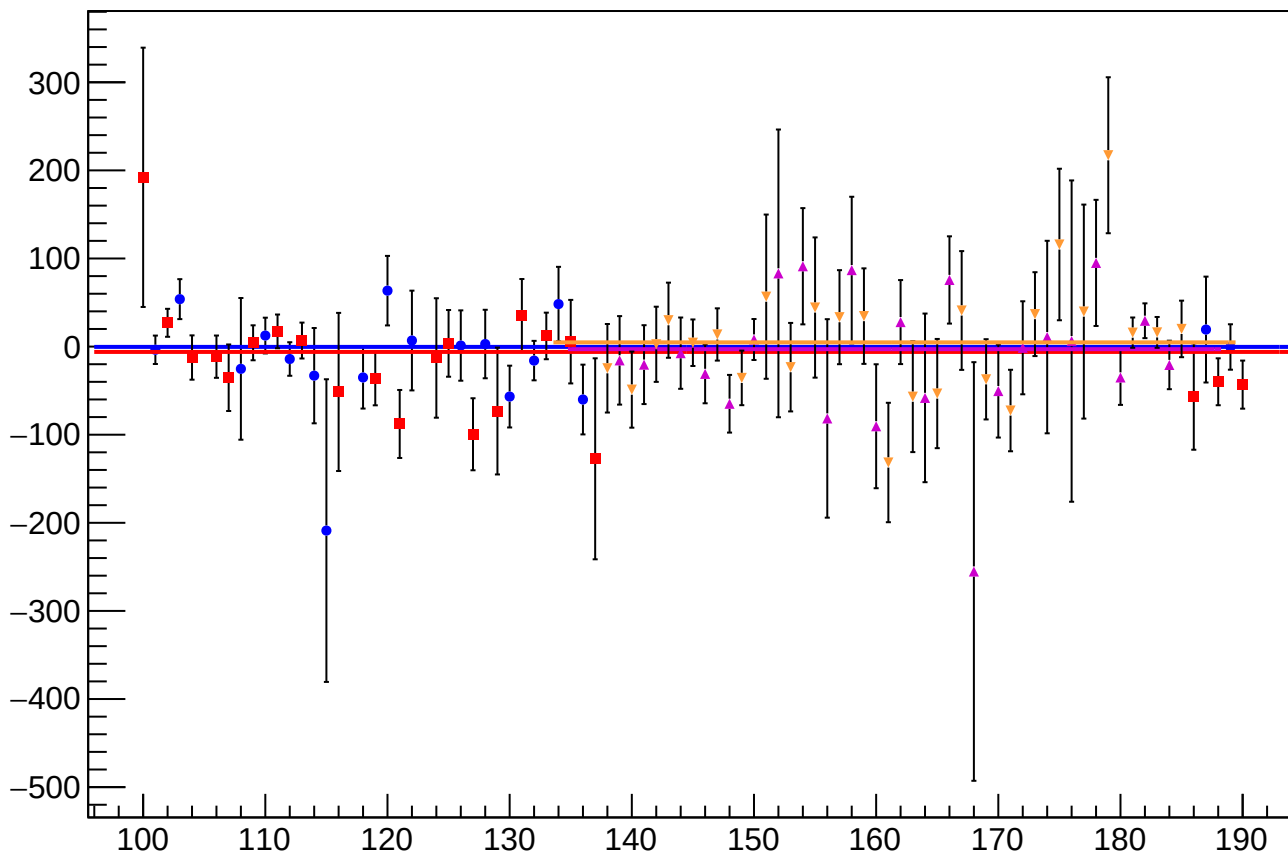
Left In: 179.256 $\pm$ 0.031 χ^2 /NDF:1656023.5/22

+ sign 197.597 $\pm$ 0.028 χ^2 /NDF: 2975803.0/42

All: 188.203 $\pm$ 0.019 χ^2 /NDF: 6974587.4/87

- sign 180.211 $\pm$ 0.026 χ^2 /NDF: 3788572.7/44

asym_bcm_an_diff_mean vs Slug



Right In: -0.338 ± 7.011 χ^2/NDF : 19.0/17

Left Out: 4.803 ± 7.601 χ^2/NDF : 24.3/24

Right Out: -6.046 ± 6.342 χ^2/NDF : 27.8/21

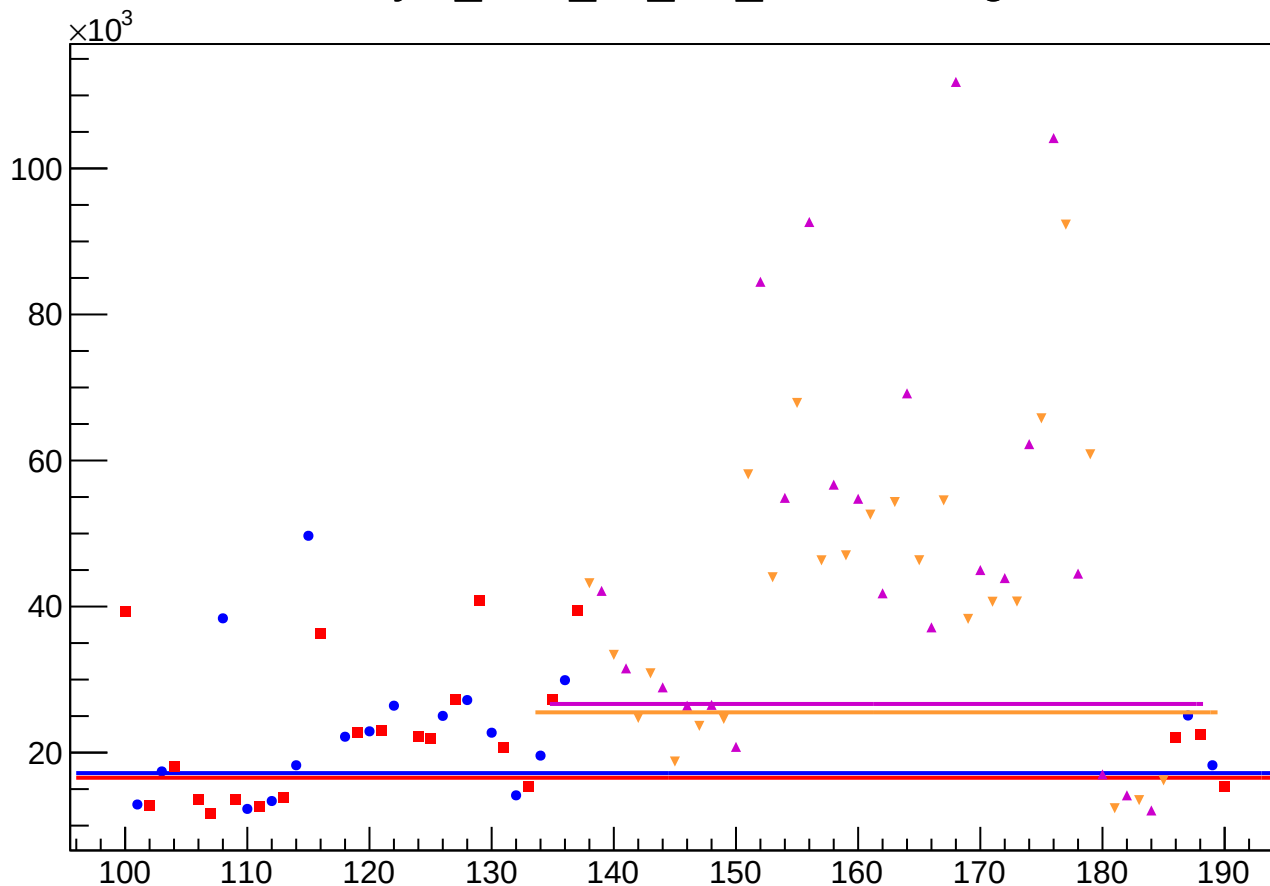
Left In: -2.918 ± 8.840 χ^2/NDF : 21.5/22

+ sign 2.025 ± 5.154 χ^2/NDF : 43.6/42

All: -1.480 ± 3.644 χ^2/NDF : 93.9/87

- sign -4.983 ± 5.153 χ^2/NDF : 49.4/44

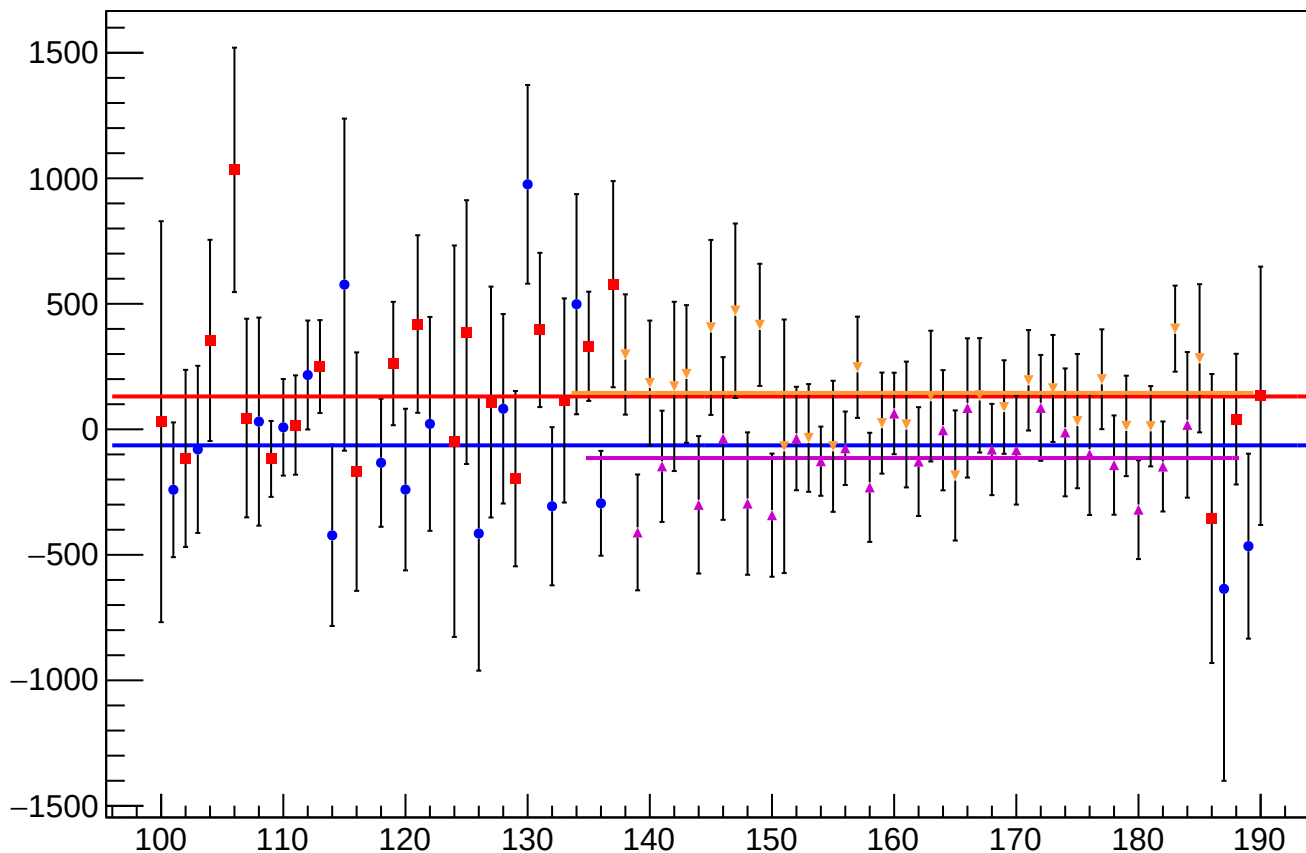
asym_bcm_an_diff_rms vs Slug



Right In: 17191.317 $\pm$ 4.958 χ^2/NDF : 1233576.0/17
 Left Out: 25512.643 $\pm$ 5.375 χ^2/NDF : 7742585.8/24
 Right Out: 16556.074 $\pm$ 4.484 χ^2/NDF : 1376570.5/21
 Left In: 26660.853 $\pm$ 6.251 χ^2/NDF : 5883195.1/22

+ sign 21016.804 $\pm$ 3.644 χ^2/NDF : 10271213.1/42
 All: 20502.954 $\pm$ 2.577 χ^2/NDF : 19296007.0
 - sign 19989.270 $\pm$ 3.644 χ^2/NDF : 8985036.3/44

asym_bcm_an_ds_mean vs Slug



Right In: -63.877 ± 74.227 $\chi^2/\text{NDF}: 17.3/17$

Left Out: 145.172 ± 46.225 $\chi^2/\text{NDF}: 11.2/24$

Right Out: 130.892 ± 64.916 $\chi^2/\text{NDF}: 13.9/21$

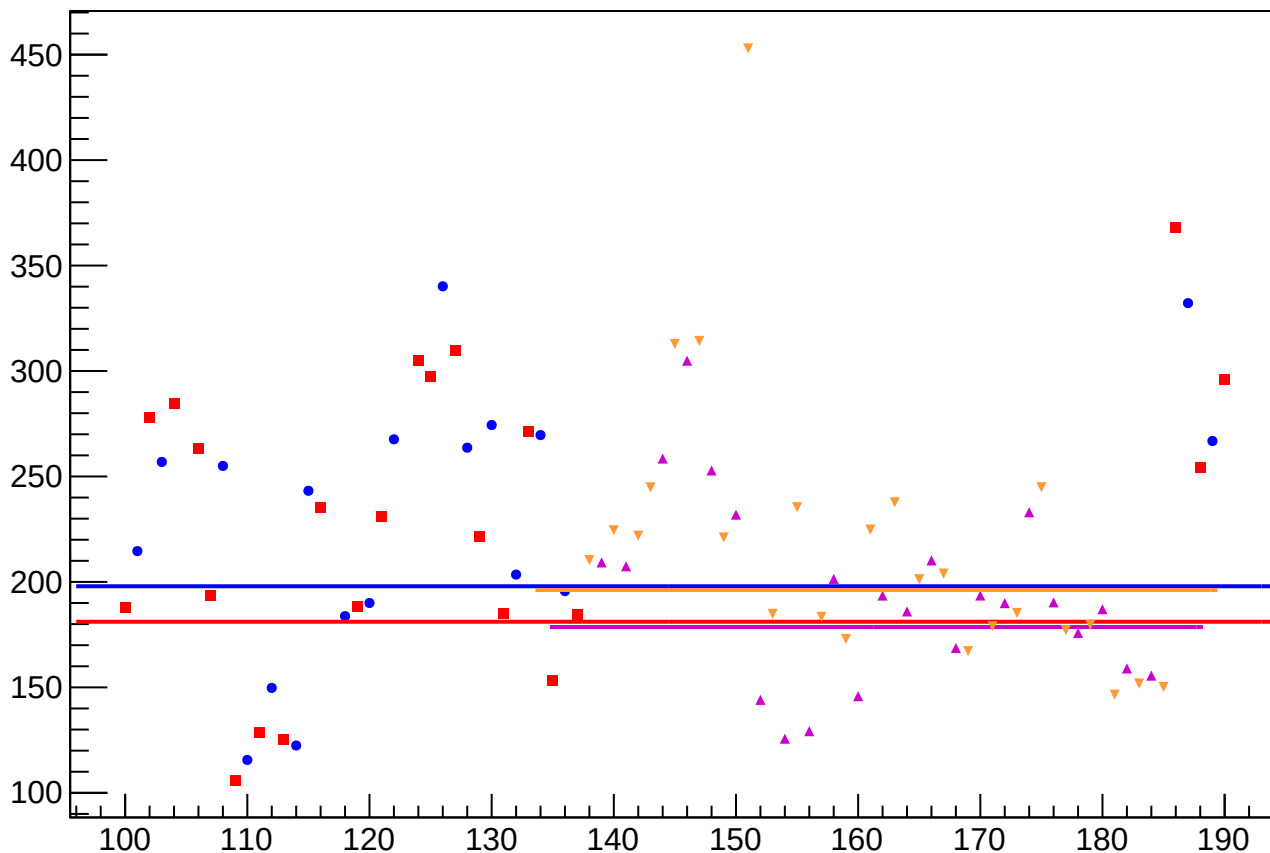
Left In: -114.400 ± 43.619 $\chi^2/\text{NDF}: 8.4/22$

+ sign 86.754 ± 39.239 $\chi^2/\text{NDF}: 34.2/42$

All: 19.315 ± 26.609 $\chi^2/\text{NDF}: 71.8/87$

- sign -38.100 ± 36.205 $\chi^2/\text{NDF}: 32.1/44$

asym_bcm_an_ds_rms vs Slug



Right In: 197.945 $\pm$ 0.052 χ^2 /NDF: 1187599.0/17

Left Out: 196.166 $\pm$ 0.033 χ^2 /NDF:1806871.5/24

Right Out: 181.123 $\pm$ 0.046 χ^2 /NDF: 2162520.9/21

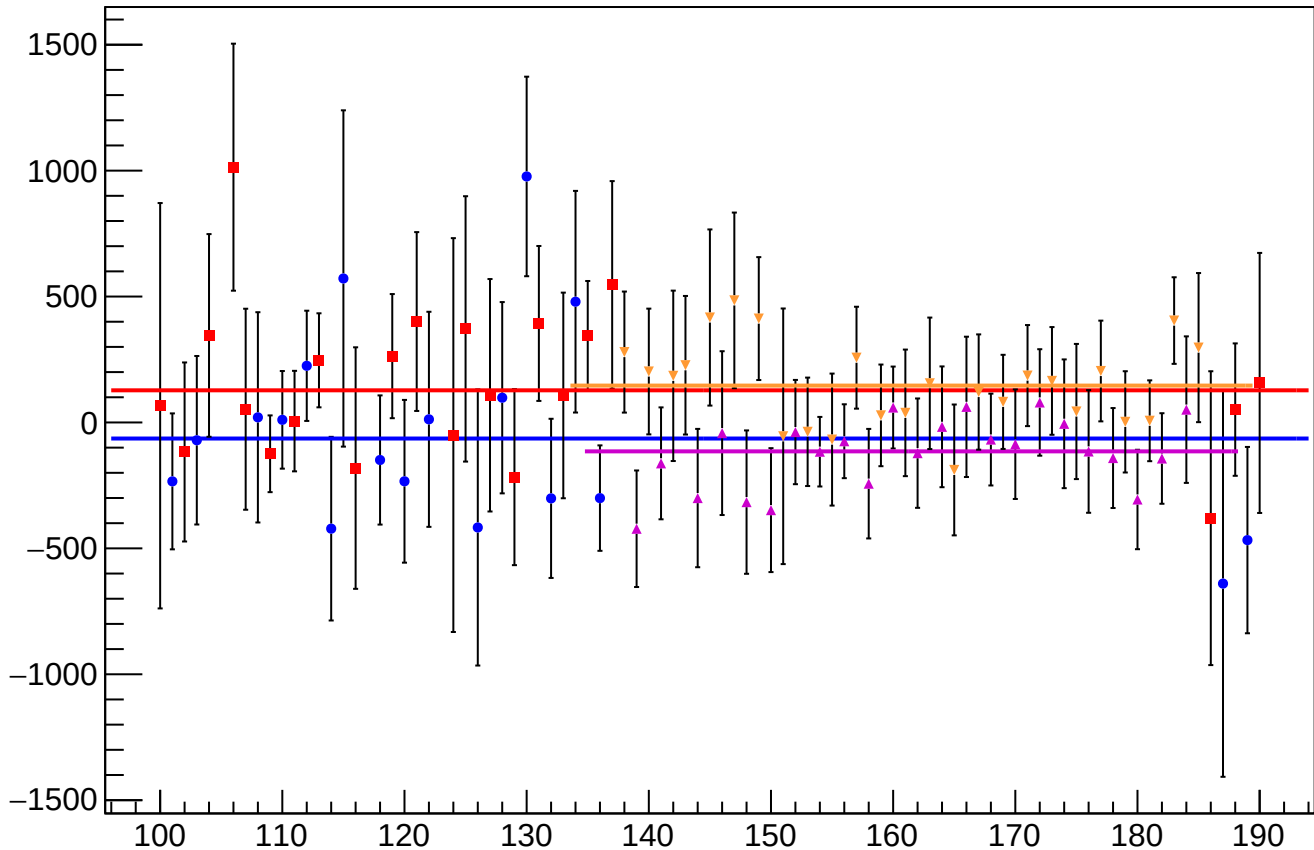
Left In: 178.621 $\pm$ 0.031 χ^2 /NDF:1651873.8/22

+ sign 196.663 $\pm$ 0.028 χ^2 /NDF: 2995298.4/42

All: 187.338 $\pm$ 0.019 χ^2 /NDF: 7020850.4/87

- sign 179.399 $\pm$ 0.026 χ^2 /NDF: 3816441.8/44

asym_bcm_an_ds3_mean vs Slug



Right In: -63.816 ± 74.634 $\chi^2/\text{NDF}: 17.2/17$

Left Out: 146.417 ± 46.379 $\chi^2/\text{NDF}: 11.4/24$

Right Out: 127.624 ± 65.298 $\chi^2/\text{NDF}: 13.8/21$

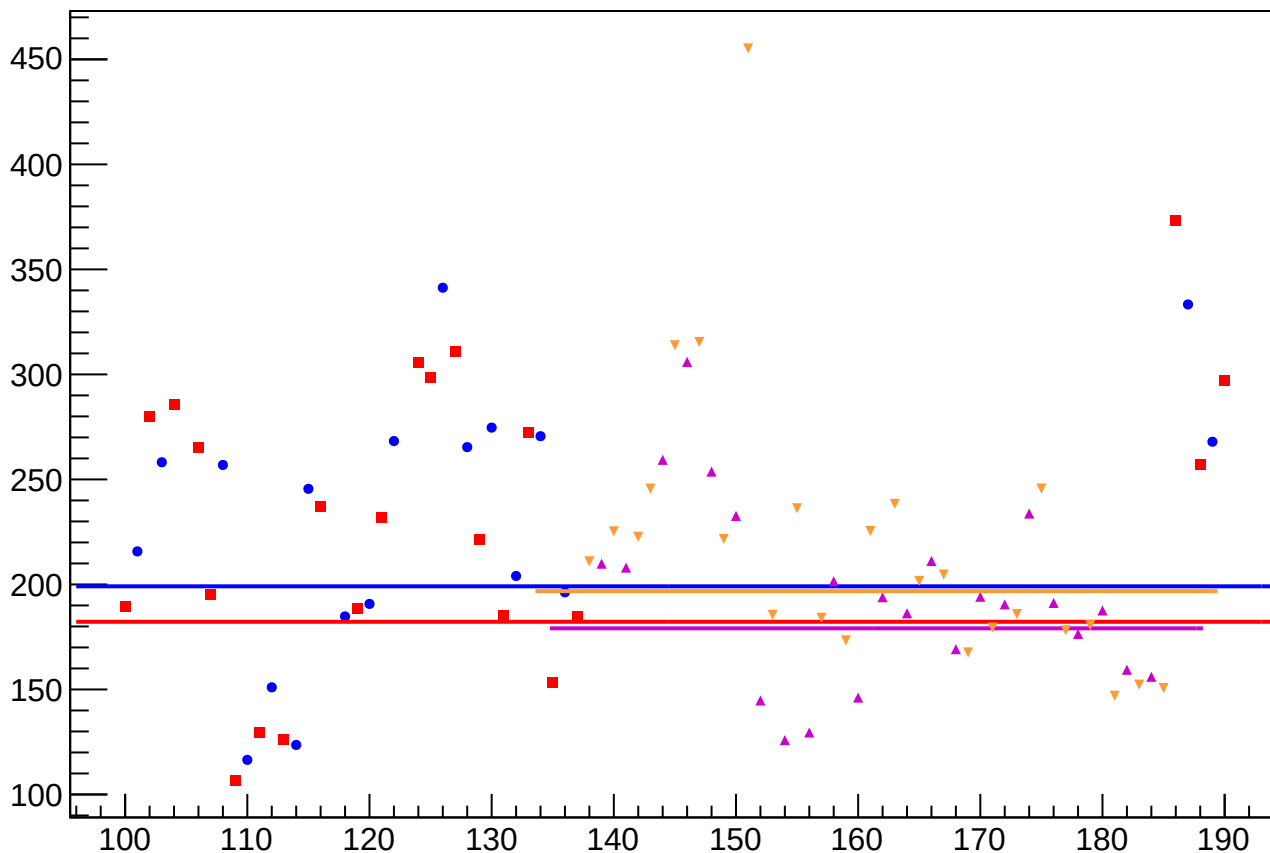
Left In: -114.807 ± 43.740 $\chi^2/\text{NDF}: 8.4/22$

+ sign 87.850 ± 39.392 $\chi^2/\text{NDF}: 34.4/42$

All: 18.933 ± 26.711 $\chi^2/\text{NDF}: 71.7/87$

- sign -39.719 ± 36.341 $\chi^2/\text{NDF}: 31.7/44$

asym_bcm_an_ds3_rms vs Slug



Right In: 199.105 $\pm$ 0.053 χ^2 /NDF: 1175779.6/17

Left Out: 196.805 $\pm$ 0.033 χ^2 /NDF:1808608.7/24

Right Out: 182.224 $\pm$ 0.046 χ^2 /NDF: 2157137.0/21

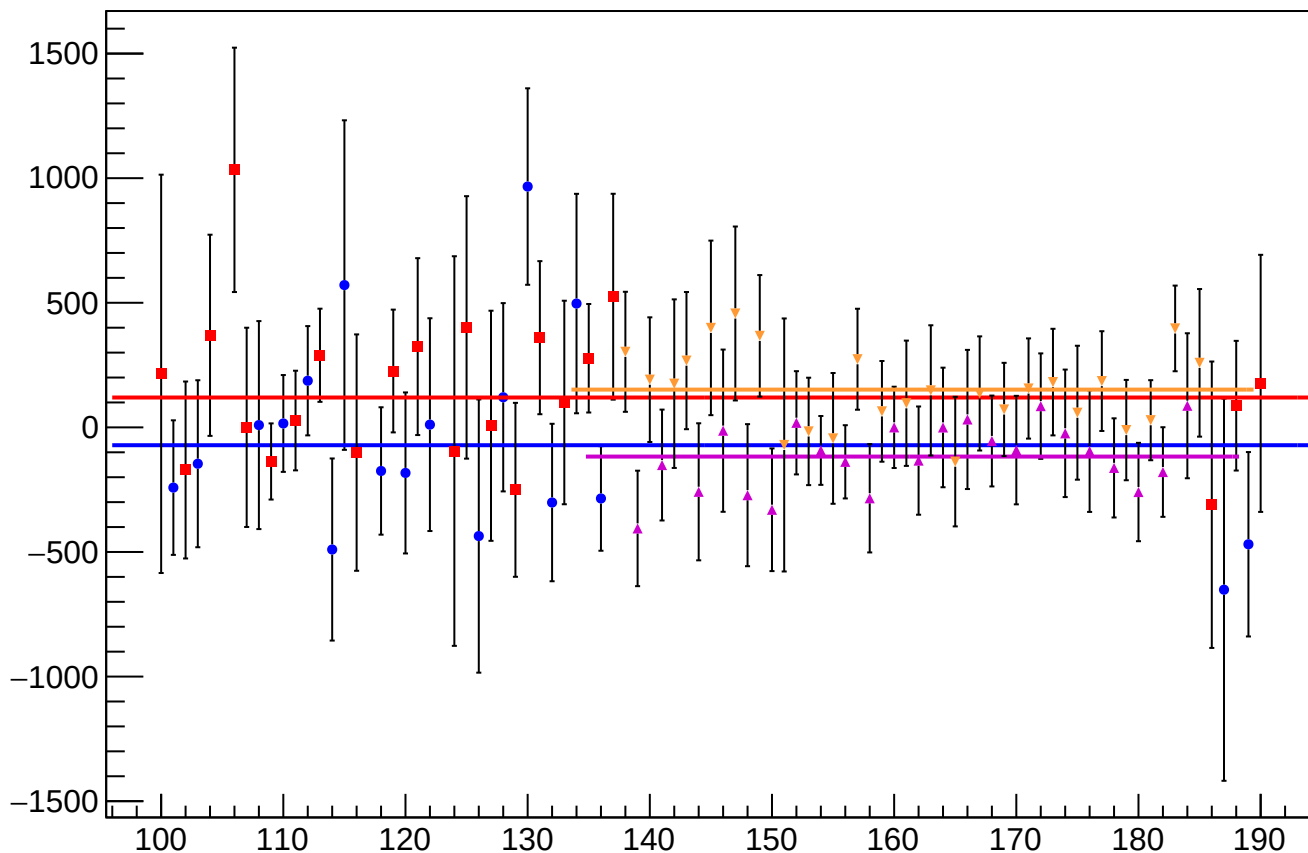
Left In: 179.101 $\pm$ 0.031 χ^2 /NDF:1655866.1/22

+ sign 197.446 $\pm$ 0.028 χ^2 /NDF: 2985758.5/42

All: 188.058 $\pm$ 0.019 χ^2 /NDF: 7012188.9/87

- sign 180.068 $\pm$ 0.026 χ^2 /NDF: 3816162.1/44

asym_bcm_an_us_mean vs Slug



Right In: -71.565 ± 74.646 χ^2/NDF : 17.2/17

Left Out: 151.598 ± 46.419 χ^2/NDF : 9.6/24

Right Out: 119.859 ± 65.283 χ^2/NDF : 13.5/21

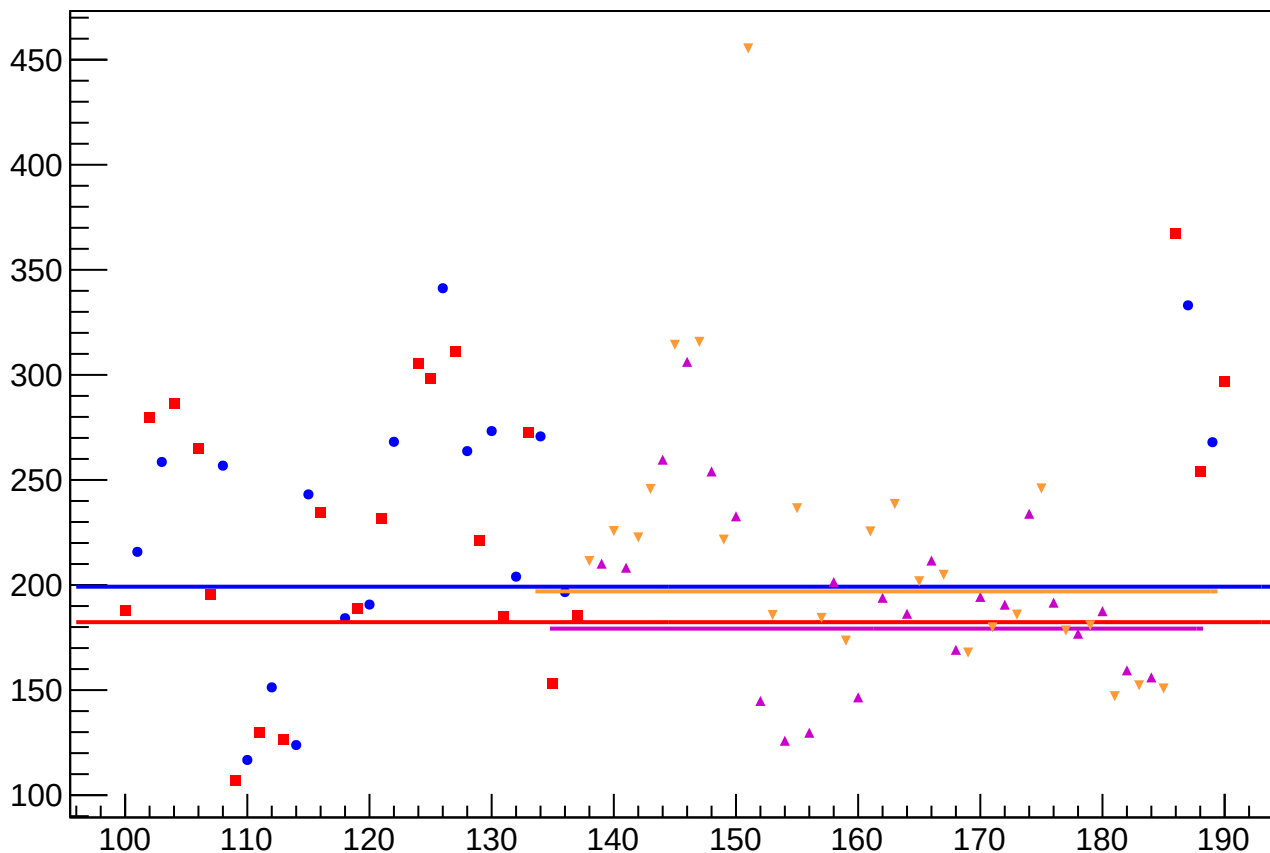
Left In: -117.163 ± 43.778 χ^2/NDF : 7.5/22

+ sign 89.365 ± 39.419 χ^2/NDF : 33.3/42

All: 17.502 ± 26.726 χ^2/NDF : 69.5/87

- sign -43.640 ± 36.360 χ^2/NDF : 30.0/44

asym_bcm_an_us_rms vs Slug



Right In: 199.205 $\pm$ 0.053 χ^2 /NDF: 1165209.1/17

Left Out: 196.975 $\pm$ 0.033 χ^2 /NDF:1809307.4/24

Right Out: 182.335 $\pm$ 0.046 χ^2 /NDF: 2129479.9/21

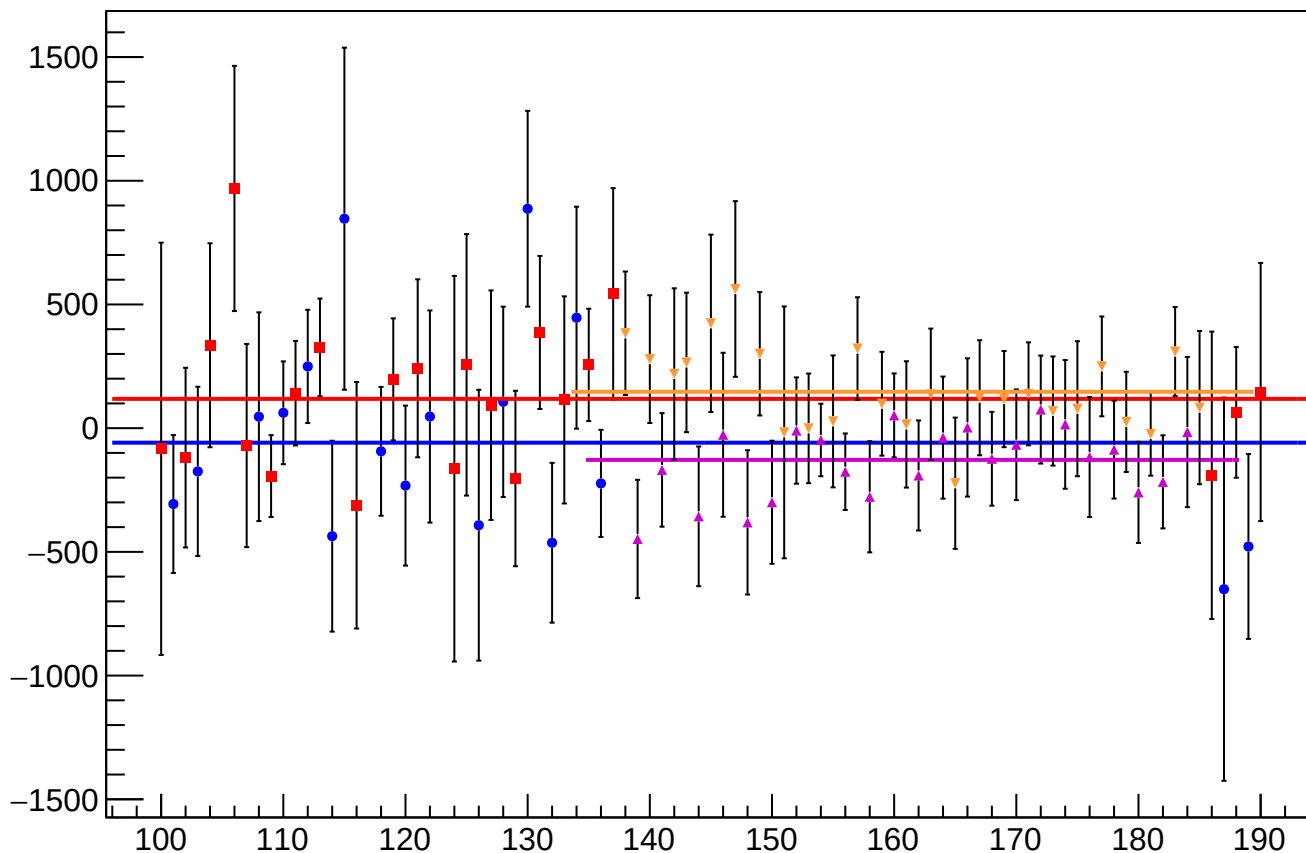
Left In: 179.256 $\pm$ 0.031 χ^2 /NDF:1656023.5/22

+ sign 197.597 $\pm$ 0.028 χ^2 /NDF: 2975803.0/42

All: 188.203 $\pm$ 0.019 χ^2 /NDF: 6974587.4/87

- sign 180.211 $\pm$ 0.026 χ^2 /NDF: 3788572.7/44

asym_bcm_dg_us_mean vs Slug



Right In: -58.666 ± 76.904 $\chi^2/\text{NDF}: 17.7/17$

Left Out: 146.973 ± 47.709 $\chi^2/\text{NDF}: 10.2/24$

Right Out: 118.444 ± 67.789 $\chi^2/\text{NDF}: 13.0/21$

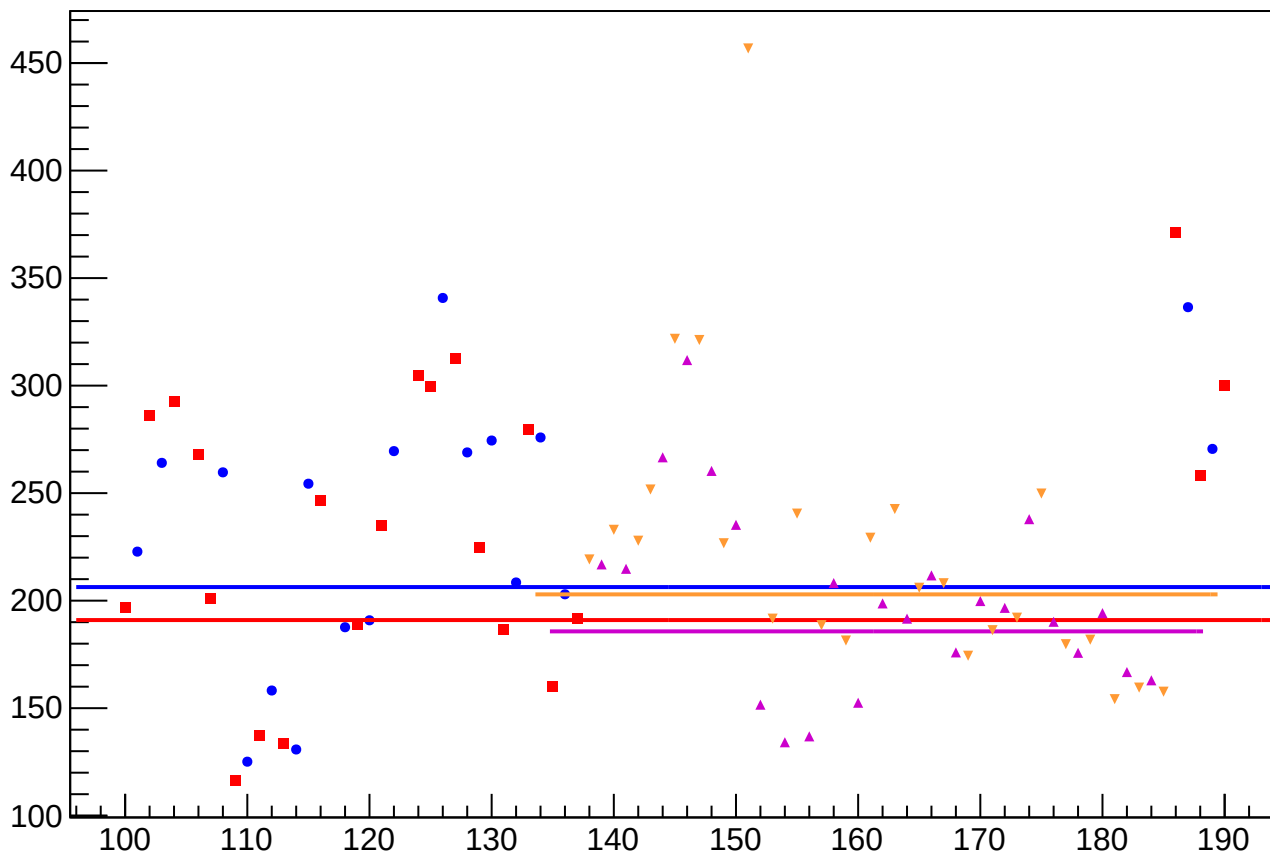
Left In: -128.159 ± 45.200 $\chi^2/\text{NDF}: 8.6/22$

+ sign 89.824 ± 40.541 $\chi^2/\text{NDF}: 33.0/42$

All: 13.452 ± 27.571 $\chi^2/\text{NDF}: 70.4/87$

- sign -52.265 ± 37.607 $\chi^2/\text{NDF}: 30.7/44$

asym_bcm_dg_us_rms vs Slug



Right In: 206.319 ± 0.054 χ^2/NDF : 1031688.9/17

Left Out: 202.920 ± 0.034 χ^2/NDF : 1700115.2/24

Right Out: 190.975 ± 0.048 χ^2/NDF : 1888248.6/21

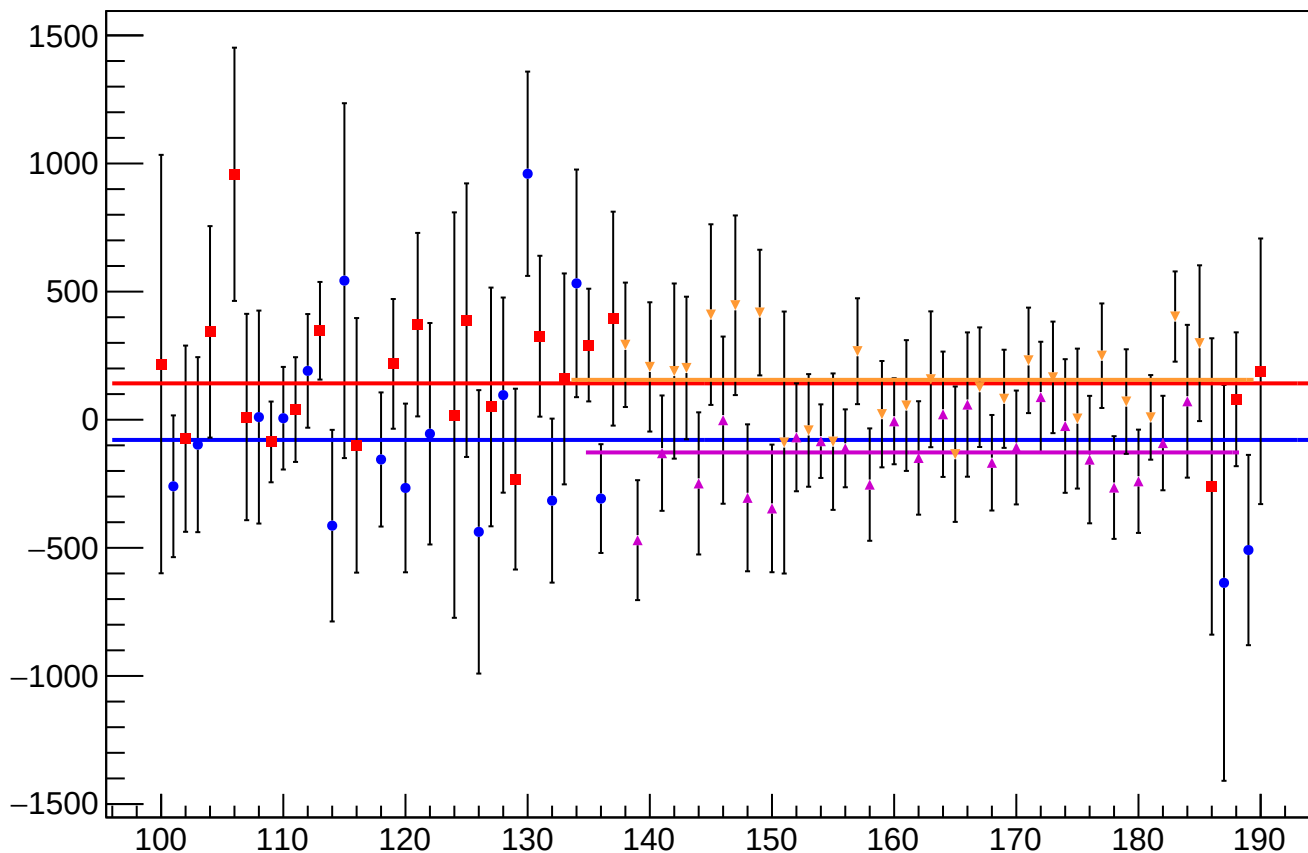
Left In: 185.716 ± 0.032 χ^2/NDF : 1489487.2/22

+ sign 203.865 ± 0.029 χ^2/NDF : 2734625.7/42

All: 194.980 ± 0.019 χ^2/NDF : 6299419.6/87

- sign 187.334 ± 0.027 χ^2/NDF : 3386067.6/44

asym_bcm_dg_ds_mean vs Slug



Right In: -78.866 $\pm$ 75.914 χ^2 /NDF: 17.0/17

Left Out: 155.646 $\pm$ 47.263 χ^2 /NDF:10.7/24

Right Out: 141.893 $\pm$ 66.515 χ^2 /NDF: 10.8/21

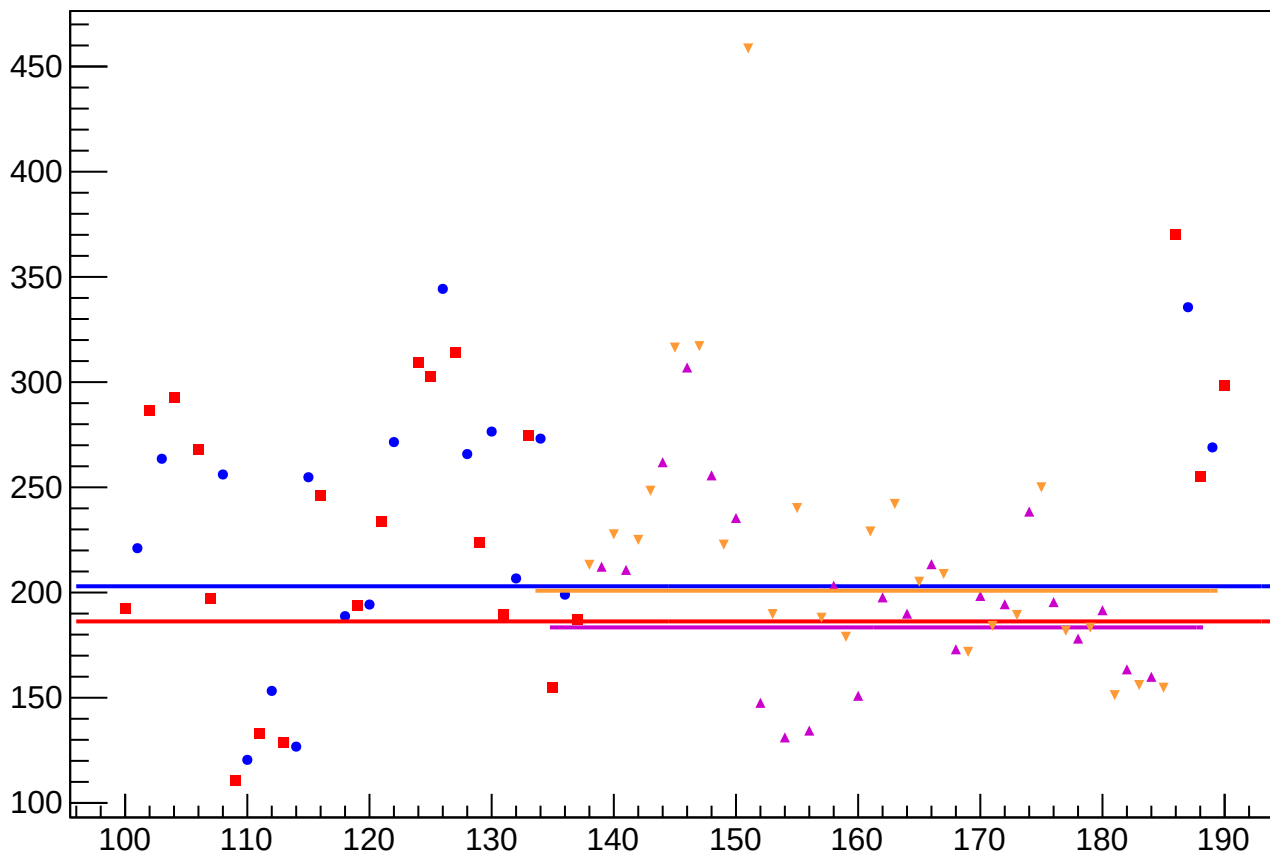
Left In: -127.660 $\pm$ 44.698 χ^2 /NDF:8.0/22

+ sign 90.138 $\pm$ 40.123 χ^2 /NDF: 34.6/42

All: 17.932 $\pm$ 27.239 χ^2 /NDF: 70.7/87

- sign -43.802 $\pm$ 37.099 χ^2 /NDF: 30.1/44

asym_bcm_dg_ds_rms vs Slug



Right In: 202.976 $\pm$ 0.054 χ^2 /NDF: 1122158.6/17

Left Out: 200.865 $\pm$ 0.033 χ^2 /NDF: 1727404.3/24

Right Out: 186.276 $\pm$ 0.047 χ^2 /NDF: 2068306.5/21

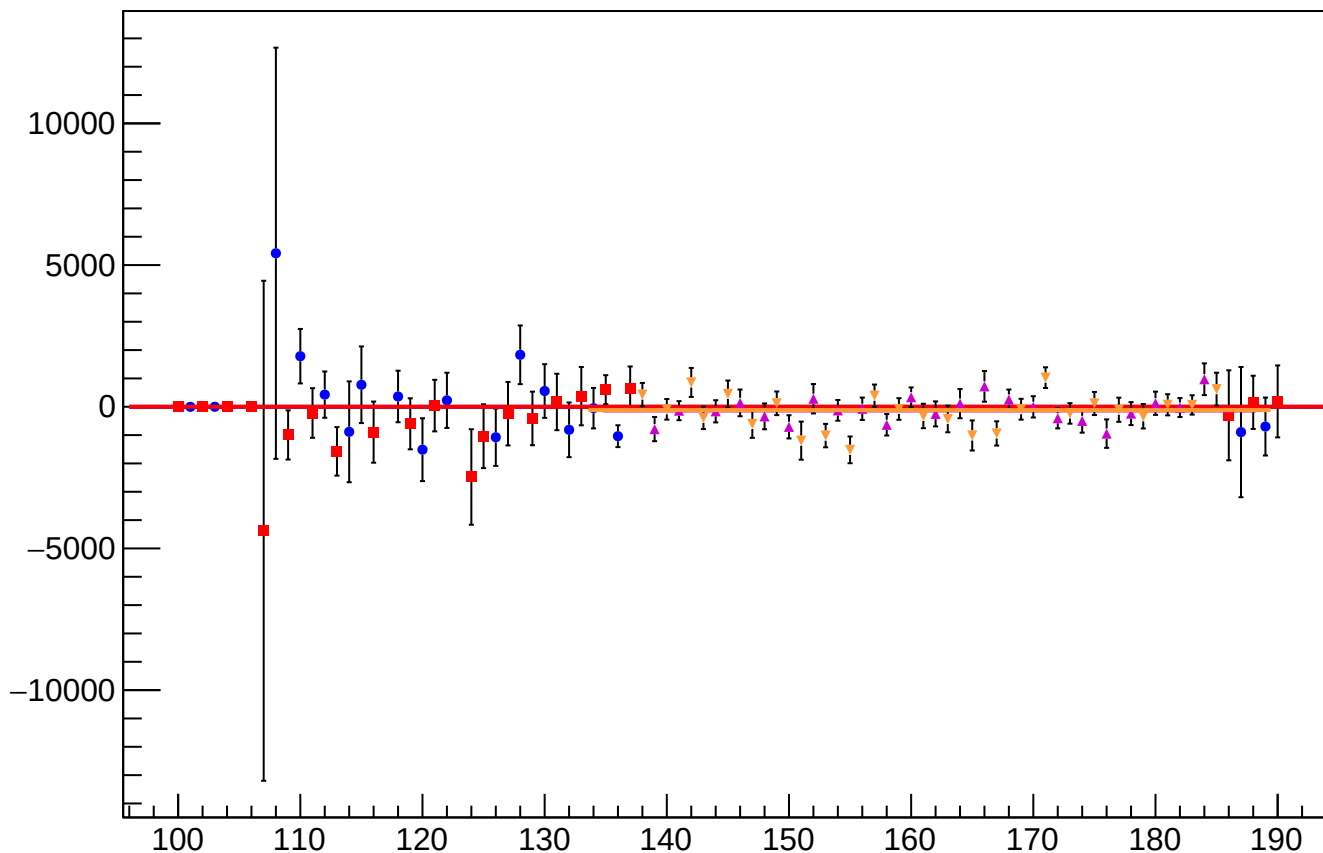
Left In: 183.433 $\pm$ 0.032 χ^2 /NDF: 1530678.8/22

+ sign 201.455 $\pm$ 0.028 χ^2 /NDF: 2850678.3/42

All: 192.216 $\pm$ 0.019 χ^2 /NDF: 6648868.0/87

- sign 184.318 $\pm$ 0.026 χ^2 /NDF: 3601501.9/44

asym_cav4bQ_mean vs Slug



Right In: -1.243 ± 2.171 χ^2/NDF : 20.5/17

Left Out: -117.658 ± 84.207 χ^2/NDF : 46.4/24

Right Out: -1.377 ± 2.022 χ^2/NDF : 16.9/21

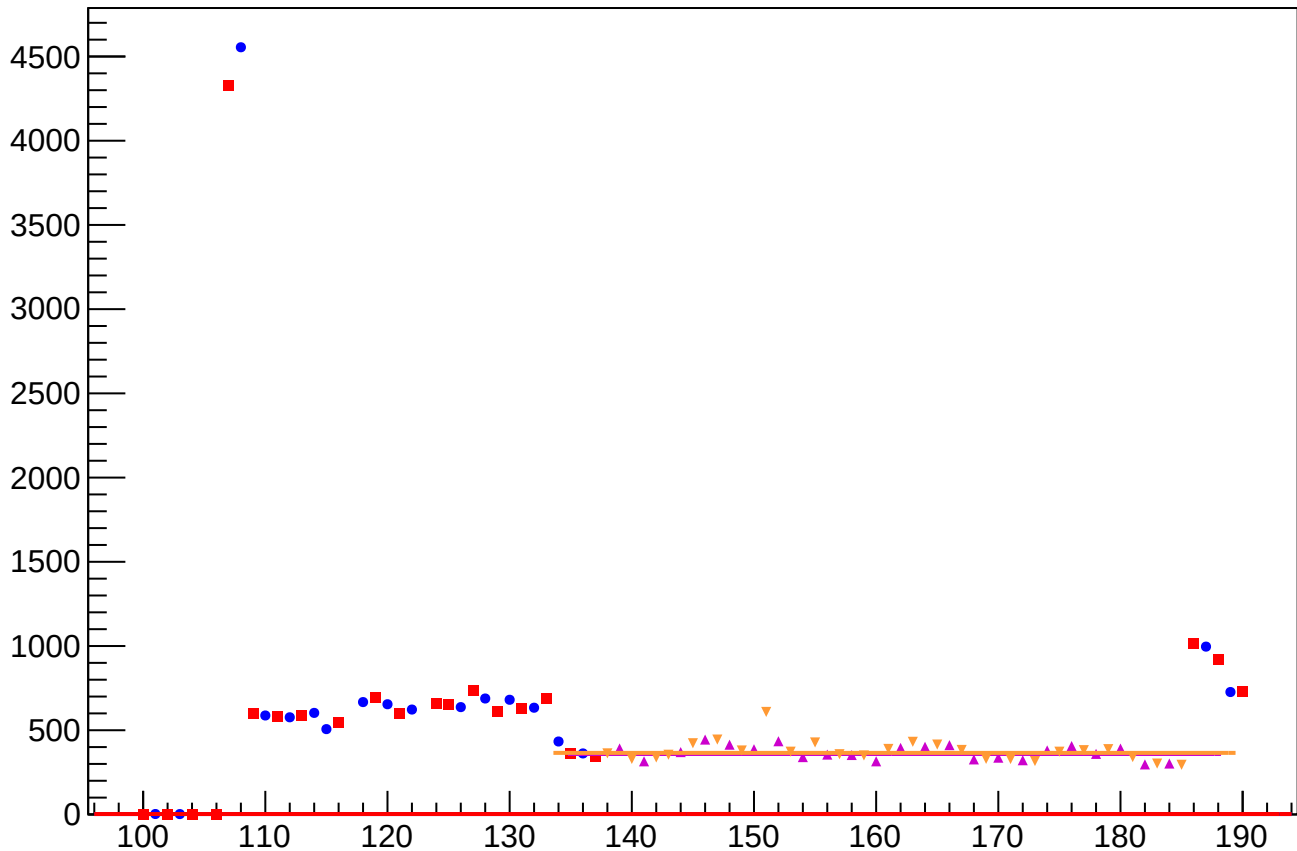
Left In: -129.738 ± 85.075 χ^2/NDF : 21.7/22

+ sign -1.320 ± 2.170 χ^2/NDF : 68.8/42

All: -1.389 ± 1.479 χ^2/NDF : 109.7/87

- sign -1.449 ± 2.022 χ^2/NDF : 40.9/44

asym_cav4bQ_rms vs Slug



Right In: 2.481+/-0.002 χ^2/NDF : 13004840.7/17

Left Out: 365.603+/-0.060 χ^2/NDF :668124.0/24

Right Out: 2.470+/-0.001 χ^2/NDF : 14910385.5/21

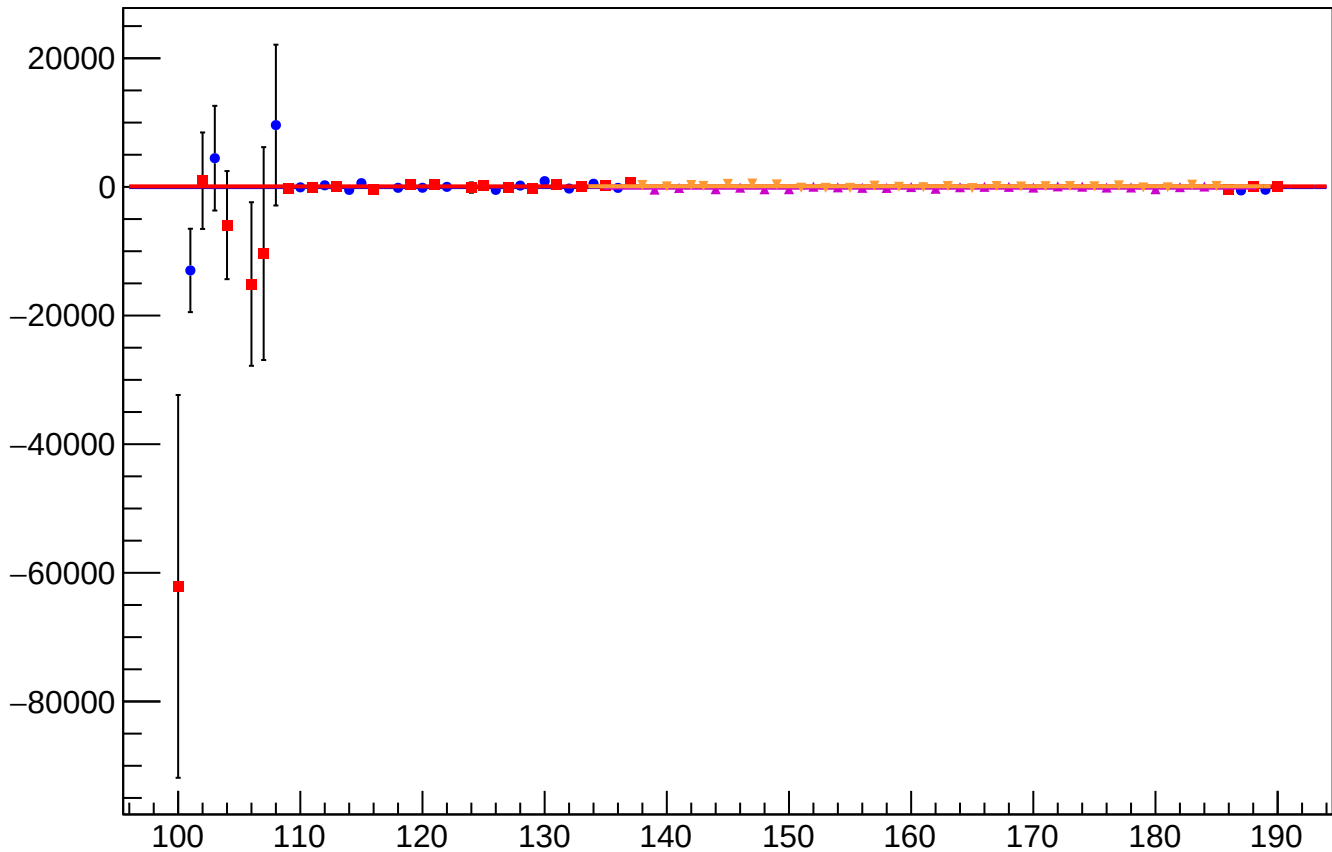
Left In: 359.024+/-0.060 χ^2/NDF :446263.1/22

+ sign 2.722+/-0.002 χ^2/NDF : 50838925.5/42

All: 2.695+/-0.001 χ^2/NDF : 101306483.8/87

- sign 2.671+/-0.001 χ^2/NDF : 50466972.9/44

asym_cav4cQ_mean vs Slug



Right In: -28.285 $\pm$ 85.013 χ^2 /NDF: 18.6/17

Left Out: 99.601 $\pm$ 48.250 χ^2 /NDF:12.7/24

Right Out: 84.380 $\pm$ 76.510 χ^2 /NDF: 15.4/21

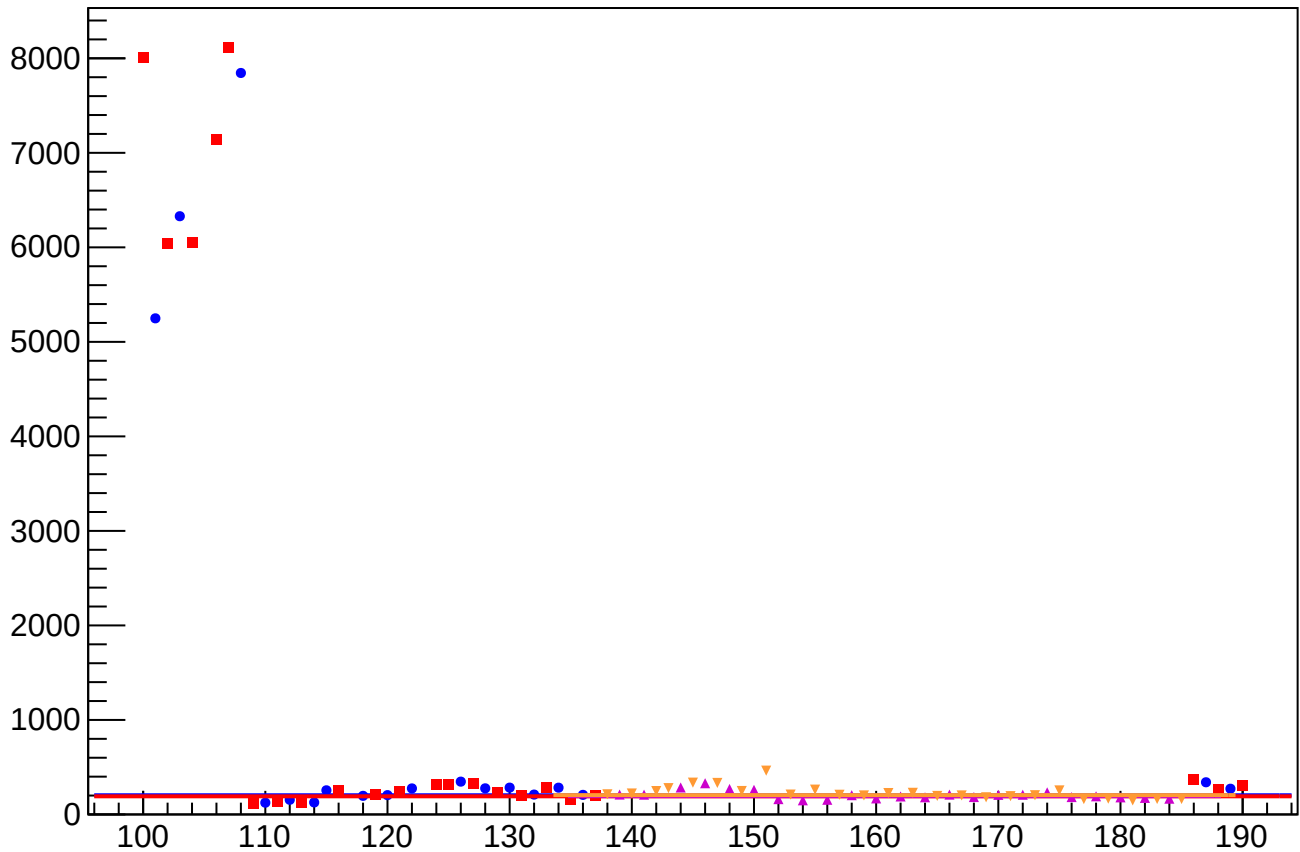
Left In: -119.345 $\pm$ 46.957 χ^2 /NDF:9.3/22

+ sign 68.443 $\pm$ 41.962 χ^2 /NDF: 33.0/42

All: -0.706 $\pm$ 28.961 χ^2 /NDF: 68.1/87

- sign -63.604 $\pm$ 40.021 χ^2 /NDF: 29.8/44

asym_cav4cQ_rms vs Slug



Right In: 203.118+/-0.060 χ^2/NDF : 4094091.2/17

Left Out: 204.581+/-0.034 χ^2/NDF :1975114.7/24

Right Out: 191.879+/-0.054 χ^2/NDF : 4877419.4/21

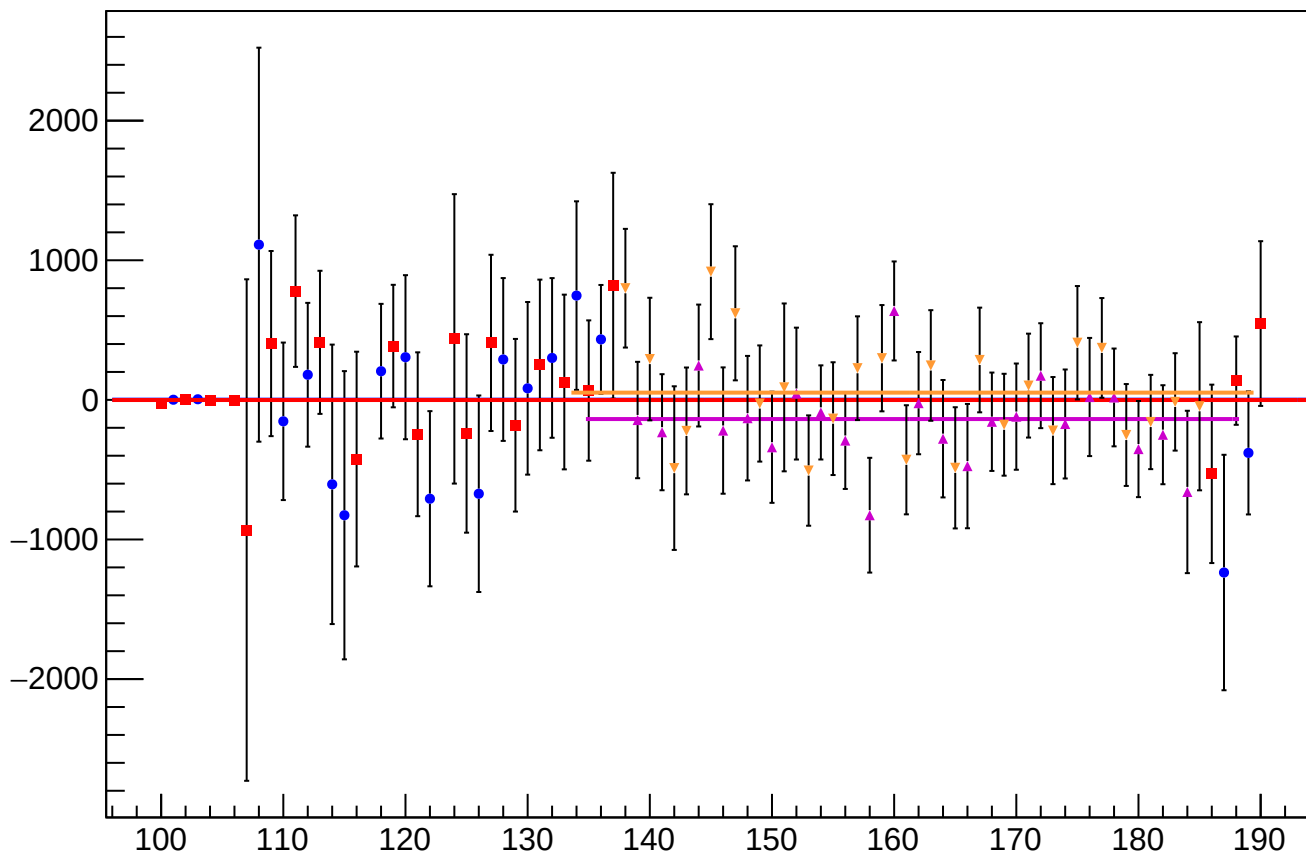
Left In: 193.895+/-0.033 χ^2/NDF :1191589.3/22

+ sign 204.225+/-0.030 χ^2/NDF : 6069653.9/42

All: 198.526+/-0.020 χ^2/NDF : 12210094.5/87

- sign 193.344+/-0.028 χ^2/NDF : 6070017.7/44

asym_cav4dQ_mean vs Slug



Right In: 1.445 ± 1.660 $\chi^2/\text{NDF}: 10.8/17$

Left Out: 51.829 ± 81.555 $\chi^2/\text{NDF}: 19.4/24$

Right Out: -1.090 ± 1.528 $\chi^2/\text{NDF}: 10.9/21$

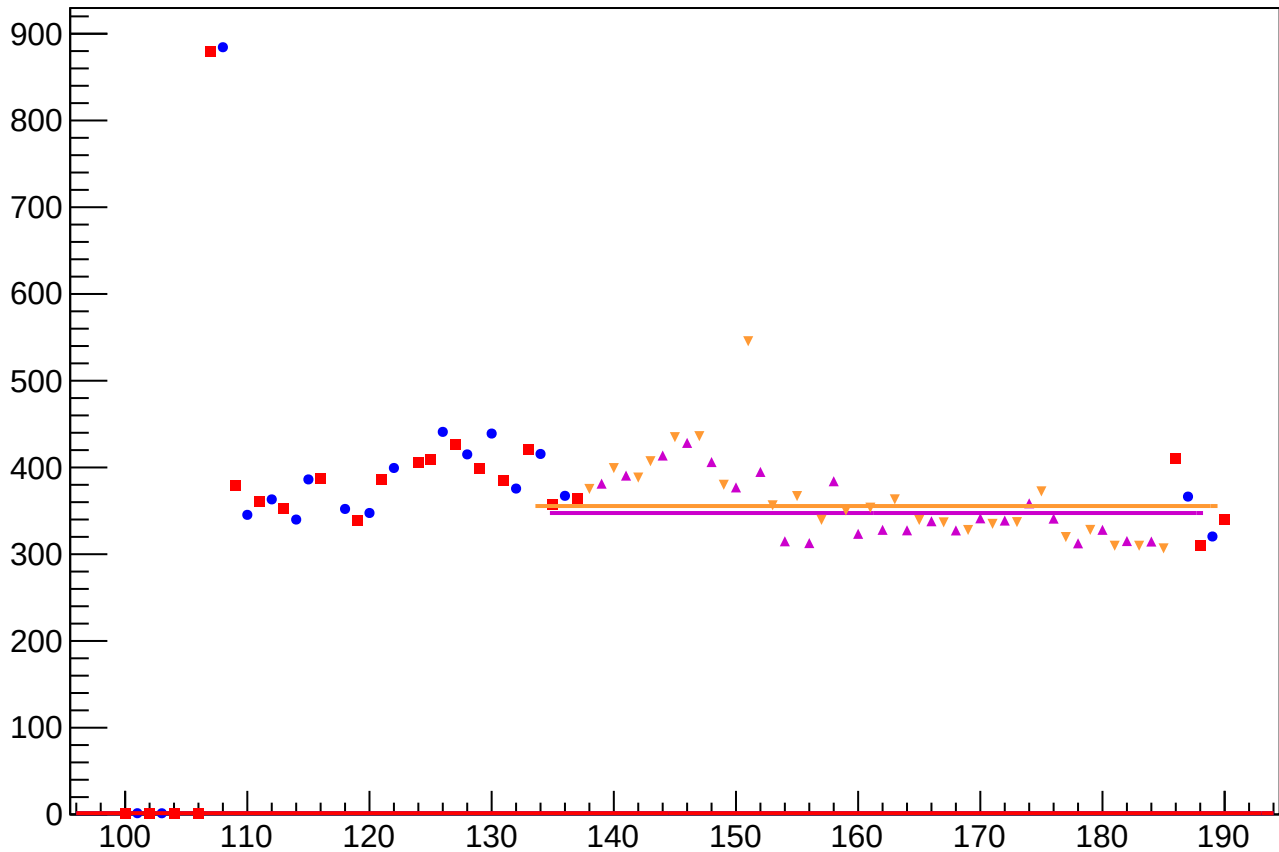
Left In: -137.399 ± 82.111 $\chi^2/\text{NDF}: 12.2/22$

+ sign 1.466 ± 1.660 $\chi^2/\text{NDF}: 30.6/42$

All: 0.057 ± 1.124 $\chi^2/\text{NDF}: 57.8/87$

- sign -1.137 ± 1.528 $\chi^2/\text{NDF}: 25.8/44$

asym_cav4dQ_rms vs Slug



Right In: 1.476 $\pm$ 0.001 χ^2 /NDF: 13156317.2/17

Left Out: 355.535 $\pm$ 0.058 χ^2 /NDF: 528878.5/24

Right Out: 1.479 $\pm$ 0.001 χ^2 /NDF: 14645596.4/21

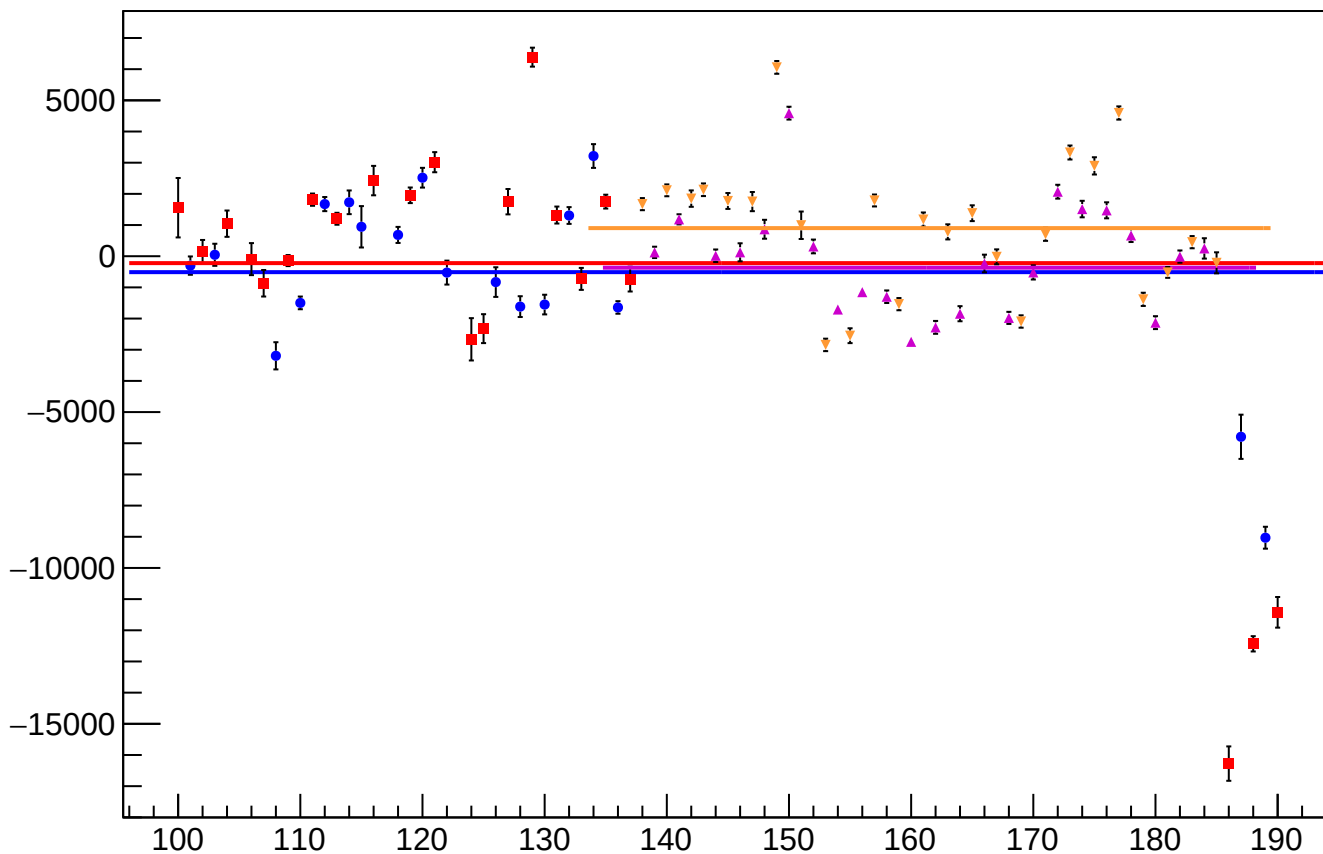
Left In: 347.484 $\pm$ 0.058 χ^2 /NDF: 344530.3/22

+ sign 1.623 $\pm$ 0.001 χ^2 /NDF: 51364315.3/42

All: 1.610 $\pm$ 0.001 χ^2 /NDF: 101855838.0/87

- sign 1.599 $\pm$ 0.001 χ^2 /NDF: 50491294.5/44

asym_bcm0l02_mean vs Slug



Right In: -511.196 ± 72.861 $\chi^2/\text{NDF}: 1148.6/17$

Left Out: 901.476 ± 44.481 $\chi^2/\text{NDF}: 2411.0/24$

Right Out: -221.402 ± 65.379 $\chi^2/\text{NDF}: 4874.7/21$

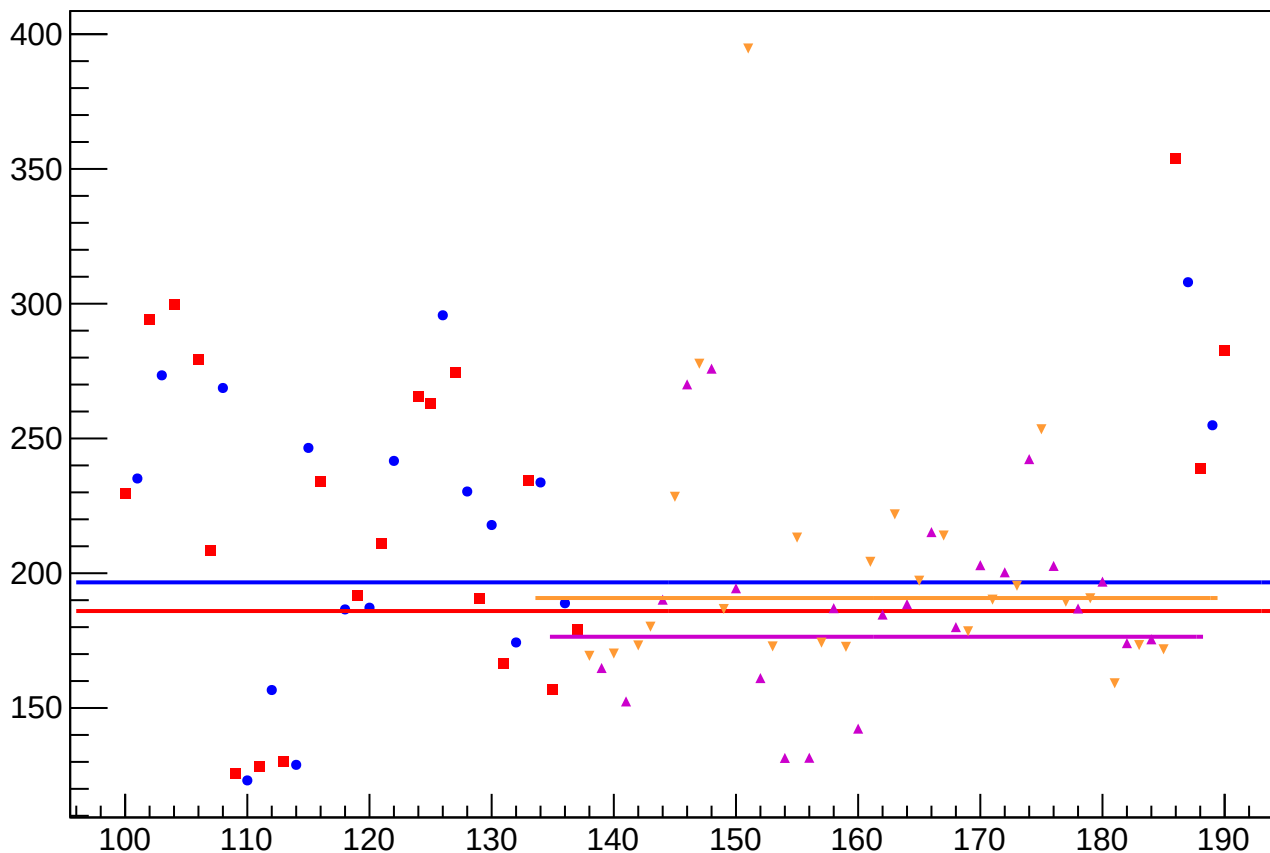
Left In: -368.252 ± 42.700 $\chi^2/\text{NDF}: 1593.0/22$

+ sign 517.922 ± 37.965 $\chi^2/\text{NDF}: 3833.4/42$

All: 71.504 ± 26.027 $\chi^2/\text{NDF}: 10565.6/87$

- sign -324.343 ± 35.750 $\chi^2/\text{NDF}: 6471.3/44$

asym_bcm0l02_rms vs Slug



Right In: 196.611 $\pm$ 0.052 χ^2 /NDF: 868932.8/17

Left Out: 190.801 $\pm$ 0.031 χ^2 /NDF: 1019598.1/24

Right Out: 185.973 $\pm$ 0.046 χ^2 /NDF: 1613571.3/21

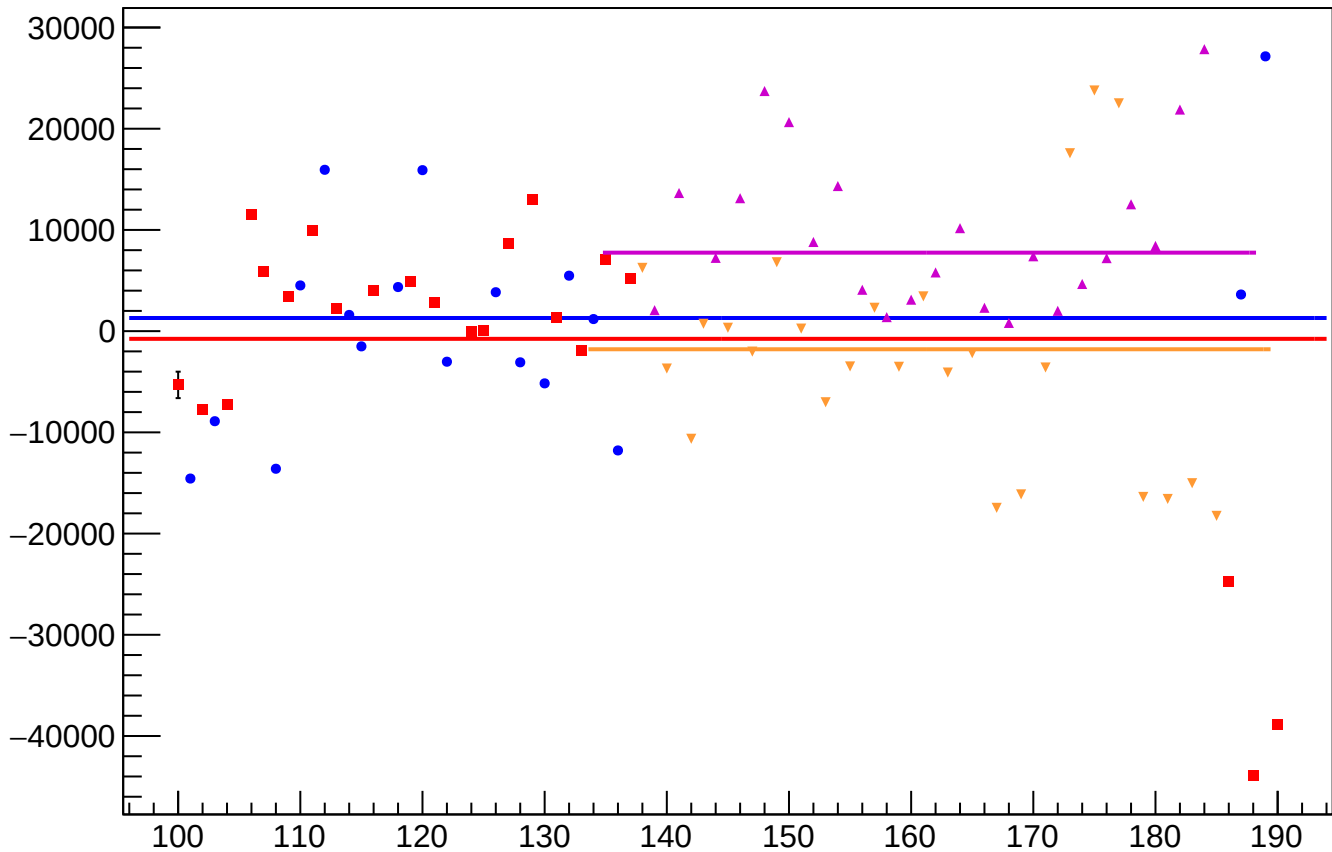
Left In: 176.431 $\pm$ 0.030 χ^2 /NDF: 1257661.0/22

+ sign 192.378 $\pm$ 0.027 χ^2 /NDF: 1897795.2/42

All: 185.438 $\pm$ 0.018 χ^2 /NDF: 4924985.4/87

- sign 179.284 $\pm$ 0.025 χ^2 /NDF: 2901095.4/44

asym_bpm0i02WS_mean vs Slug



Right In: 1299.336+/-52.520 χ^2/NDF : 42067.2/17

Left Out: -1790.289+/-40.910 χ^2/NDF : 65745.9/24

Right Out: -759.967+/-48.694 χ^2/NDF : 97767.8/21

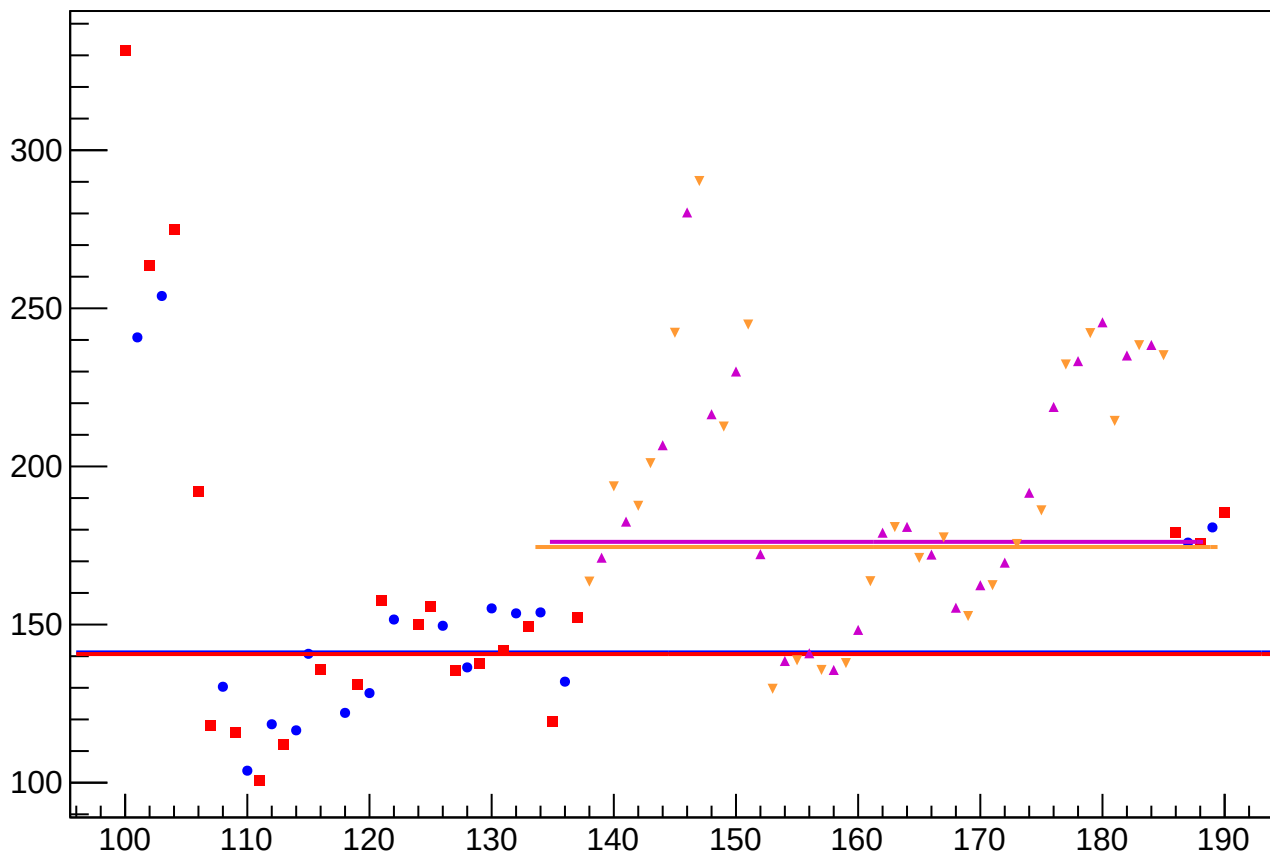
Left In: 7754.468+/-42.571 χ^2/NDF : 23278.0/22

+ sign -623.562+/-32.274 χ^2/NDF : 109967.0/42

All: 1737.540+/-22.742 χ^2/NDF : 258972.0/87

- sign 4065.949+/-32.050 χ^2/NDF : 138375.0/44

asym_bpm0i02WS_rms vs Slug



Right In: 141.194+/-0.037 χ^2/NDF : 726736.7/17

Left Out: 174.520+/-0.029 χ^2/NDF : 1659469.6/24

Right Out: 140.670+/-0.034 χ^2/NDF : 1063140.3/21

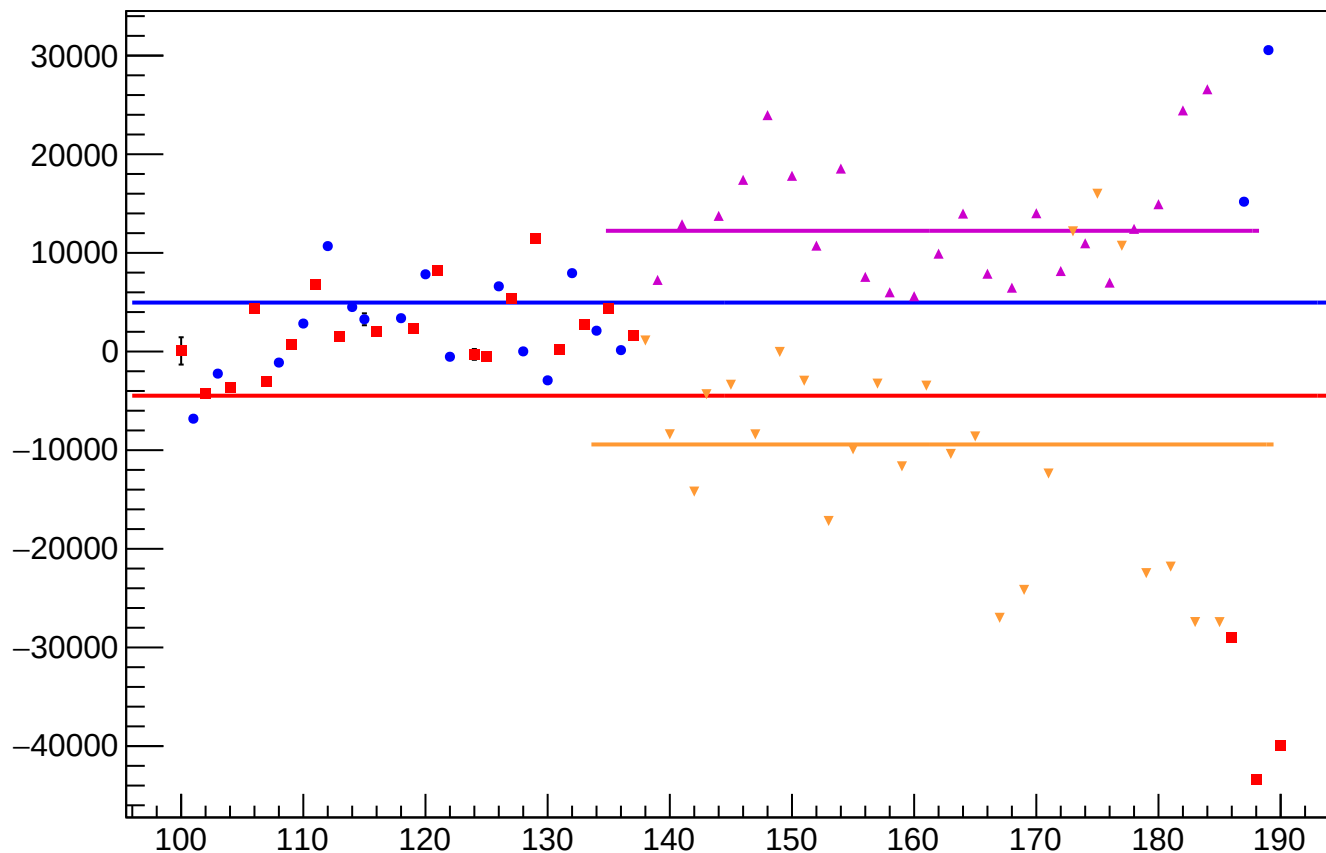
Left In: 176.155+/-0.030 χ^2/NDF : 1367059.2/22

+ sign 161.935+/-0.023 χ^2/NDF : 2887423.3/42

All: 161.355+/-0.016 χ^2/NDF : 5920859.7/87

- sign 160.783+/-0.023 χ^2/NDF : 3032151.8/44

asym_bpm0i02aWS_mean vs Slug



Right In: 4962.812+/-65.992 χ^2/NDF : 16416.3/17

Left Out: -9420.181+/-45.698 χ^2/NDF : 64719.0/24

Right Out: -4478.347+/-59.189 χ^2/NDF : 80042.8/21

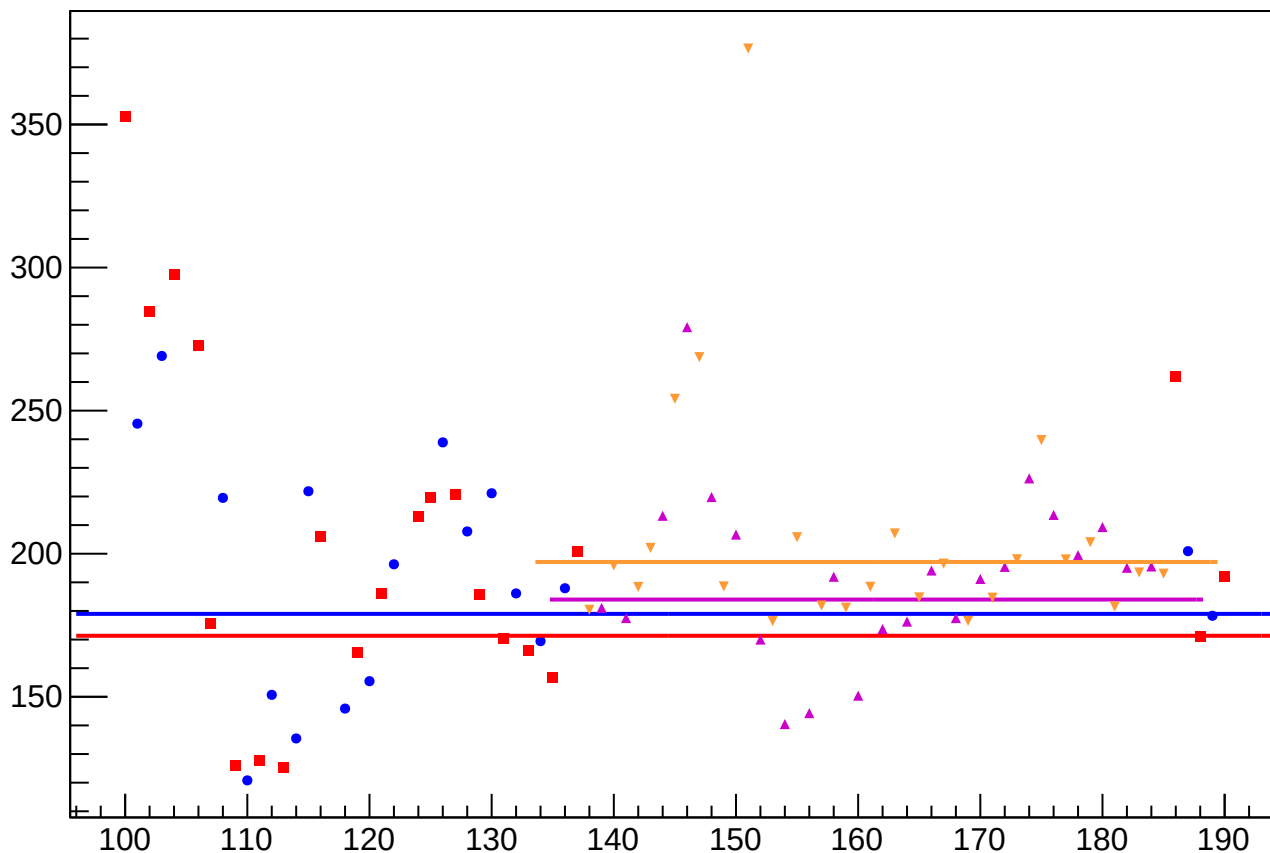
Left In: 12238.678+/-44.195 χ^2/NDF : 16015.8/22

+ sign -4758.572+/-37.570 χ^2/NDF : 113241.8/42

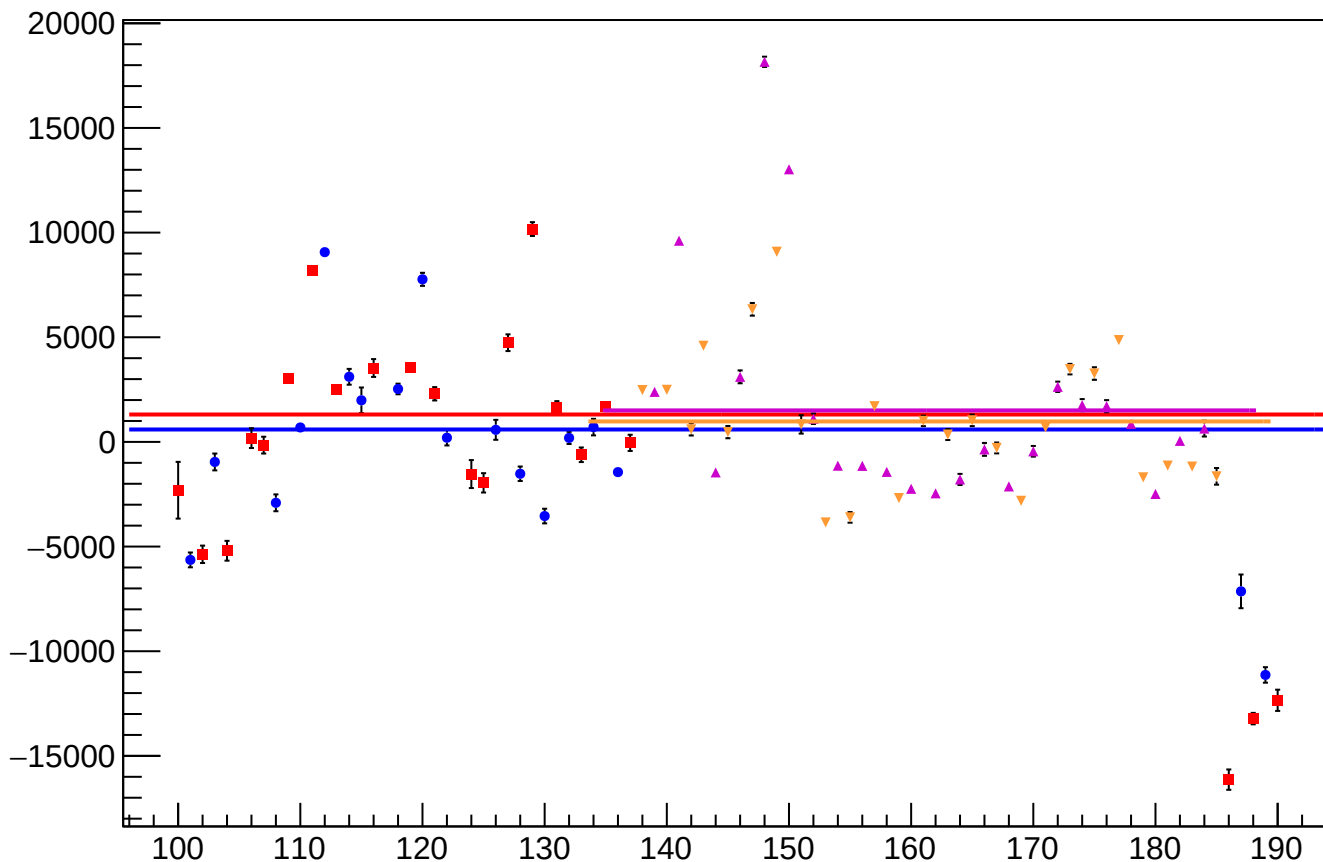
All: 1073.294+/-25.769 χ^2/NDF : 306020.4/87

- sign 6254.681+/-35.412 χ^2/NDF : 147274.3/44

asym_bpm0i02aWS_rms vs Slug



asym_bpm0i05WS_mean vs Slug



Right In: 593.430+/-74.097 χ^2/NDF : 3801.1/17

Left Out: 978.429+/-49.607 χ^2/NDF : 4322.9/24

Right Out: 1309.587+/-65.842 χ^2/NDF : 7778.0/21

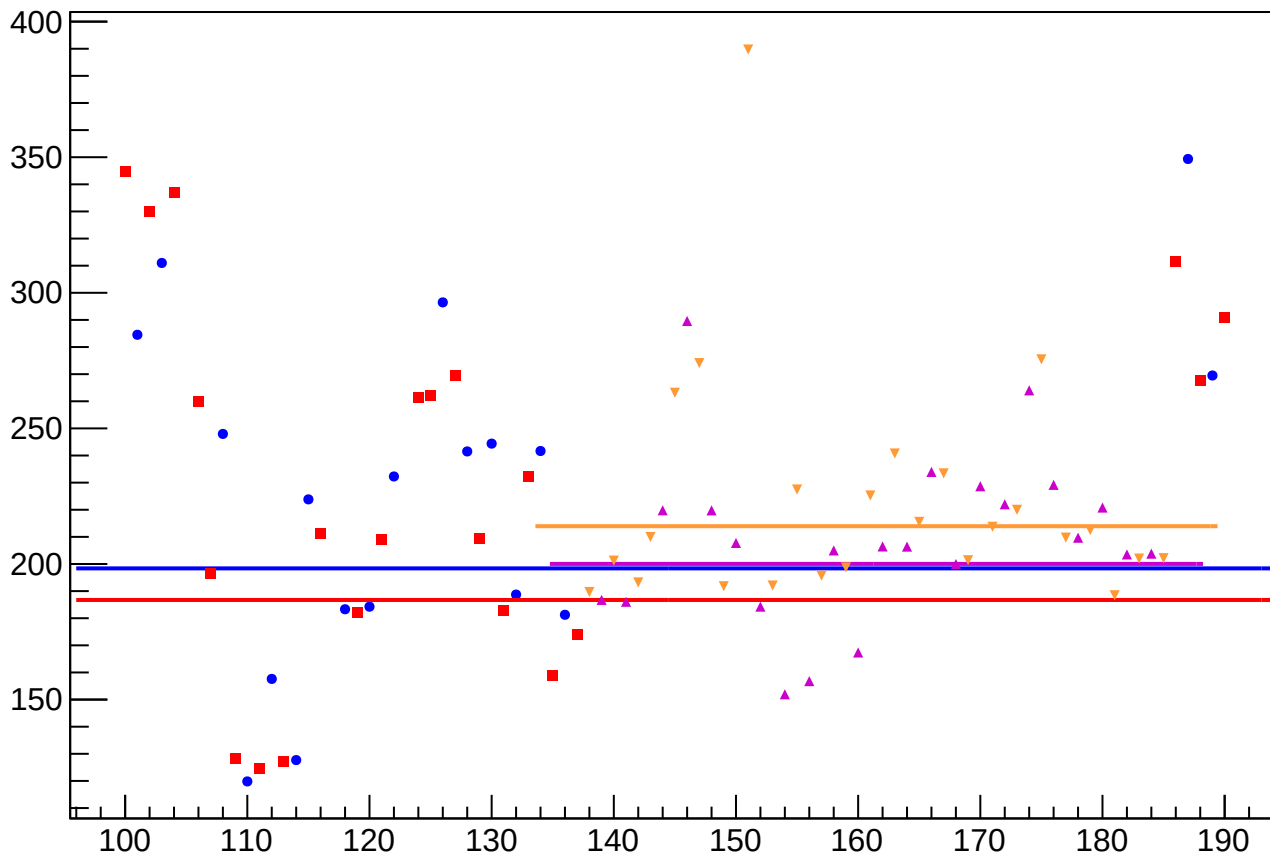
Left In: 1505.093+/-48.051 χ^2/NDF : 11480.6/22

+ sign 859.275+/-41.222 χ^2/NDF : 8142.7/42

All: 1165.584+/-28.258 χ^2/NDF : 27511.3/87

- sign 1437.153+/-38.814 χ^2/NDF : 19264.4/44

asym_bpm0i05WS_rms vs Slug



Right In: 198.378+/-0.052 χ^2/NDF : 1116126.6/17

Left Out: 213.931+/-0.035 χ^2/NDF : 733638.6/24

Right Out: 186.731+/-0.047 χ^2/NDF : 1788390.8/21

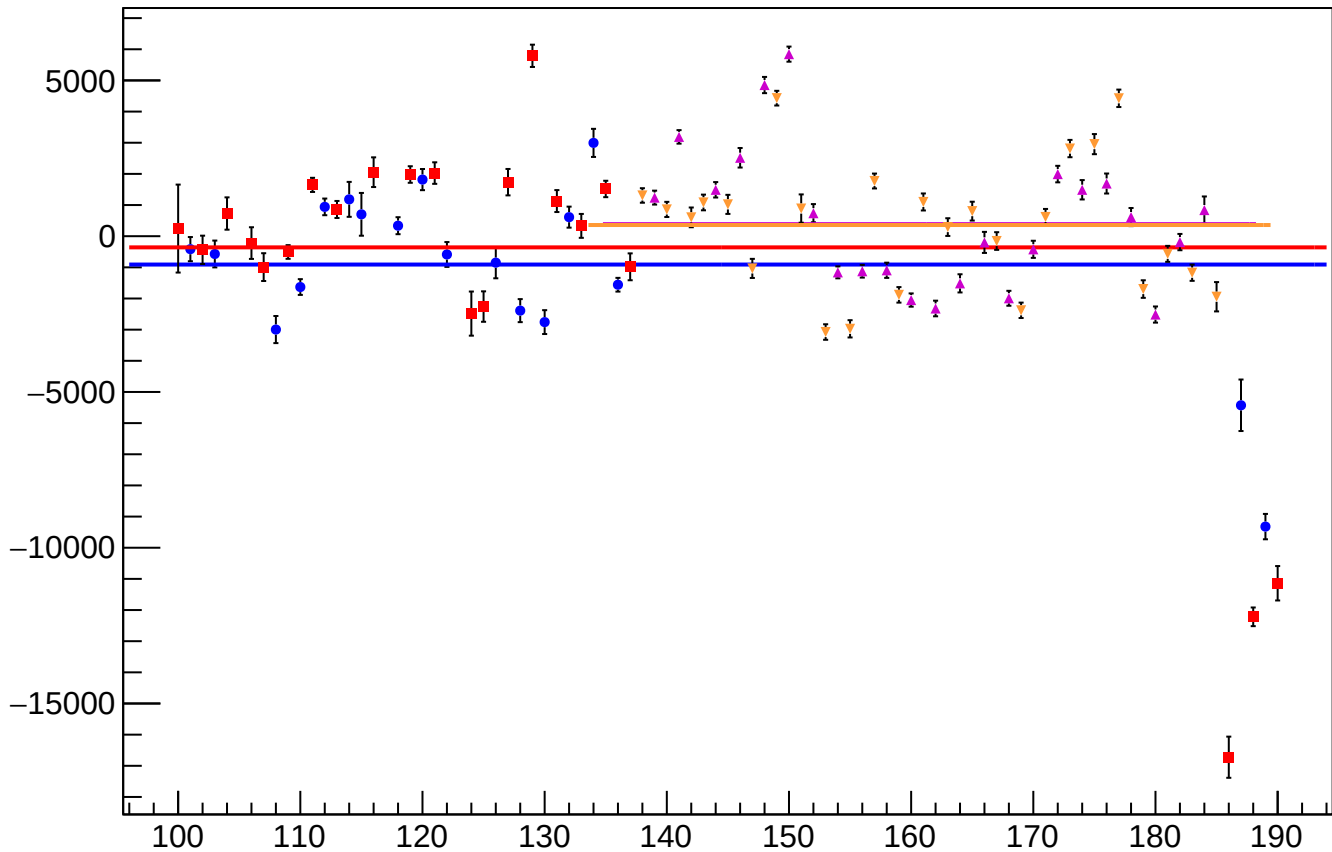
Left In: 200.031+/-0.034 χ^2/NDF : 785525.4/22

+ sign 209.118+/-0.029 χ^2/NDF : 1910607.5/42

All: 201.851+/-0.020 χ^2/NDF : 4655014.8/87

- sign 195.409+/-0.027 χ^2/NDF : 2627160.0/44

asym_bpm0i07WS_mean vs Slug



Right In: -910.092 ± 84.343 χ^2/NDF : 786.6/17

Left Out: 358.680 ± 54.992 χ^2/NDF : 1418.9/24

Right Out: -358.685 ± 76.847 χ^2/NDF : 3235.4/21

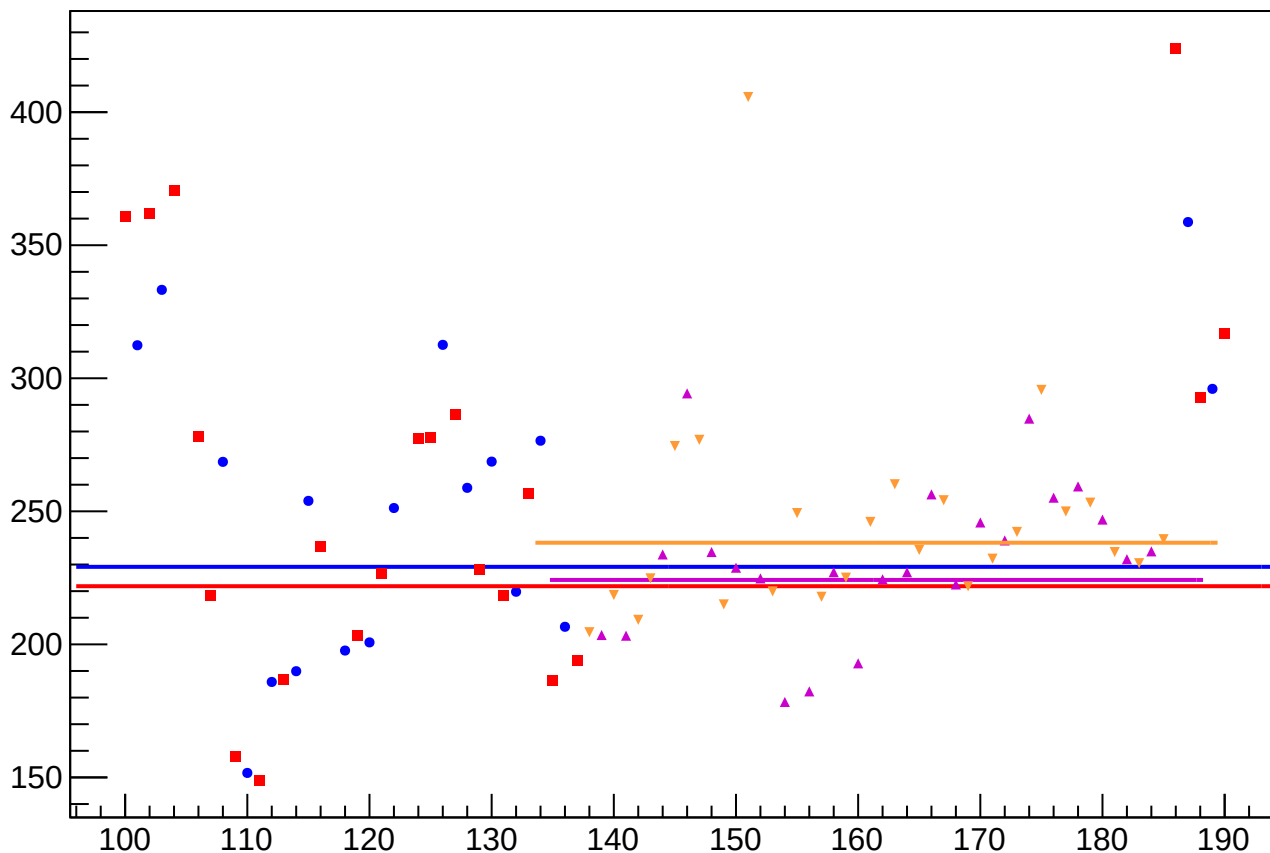
Left In: 386.941 ± 53.528 χ^2/NDF : 1804.2/22

+ sign -19.789 ± 46.065 χ^2/NDF : 2364.3/42

All: 65.665 ± 31.789 χ^2/NDF : 7473.8/87

- sign 143.355 ± 43.923 χ^2/NDF : 5103.0/44

asym_bpm0i07WS_rms vs Slug



Right In: 229.138 $\pm$ 0.060 χ^2 /NDF: 761567.8/17

Left Out: 238.199 $\pm$ 0.039 χ^2 /NDF: 567935.3/24

Right Out: 221.858 $\pm$ 0.054 χ^2 /NDF: 1323723.9/21

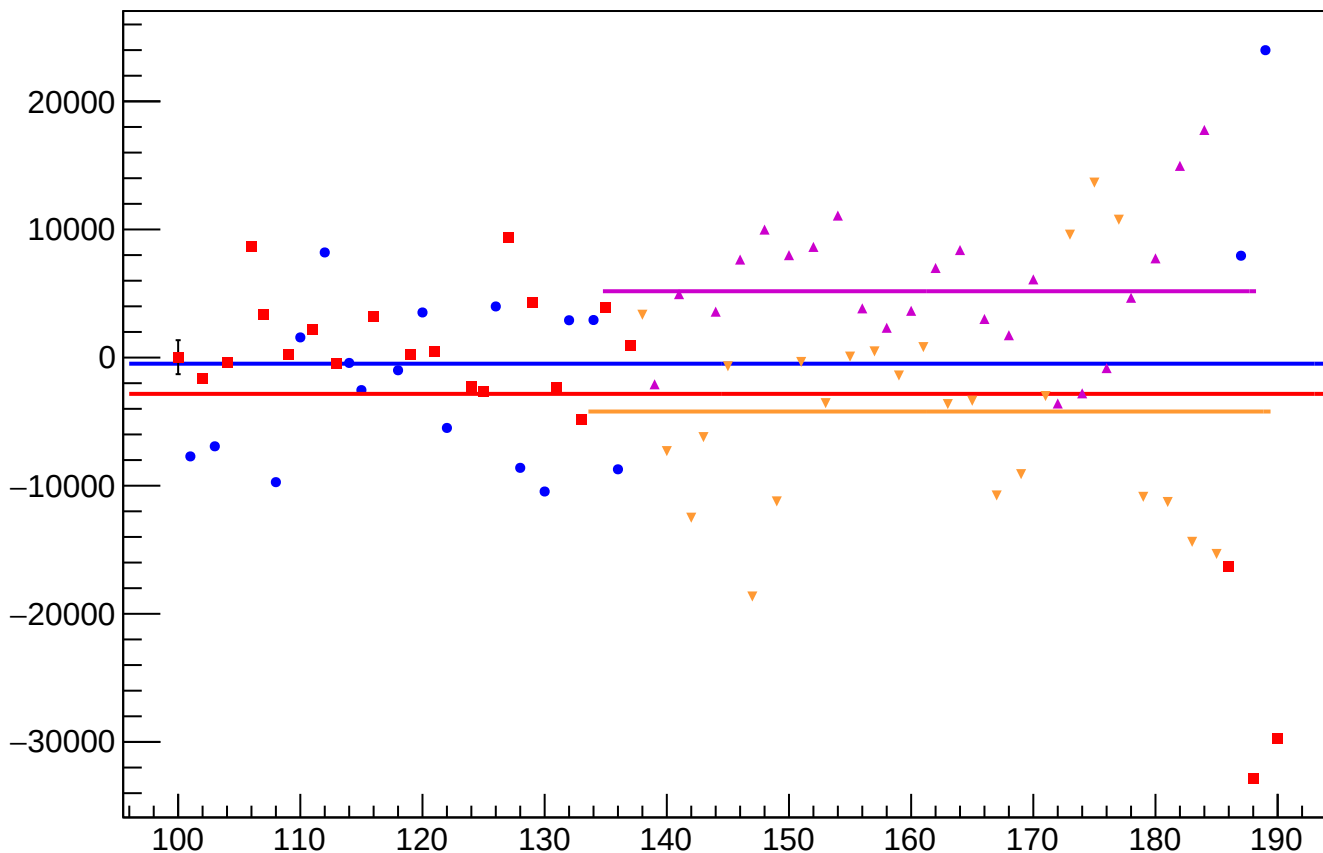
Left In: 224.212 $\pm$ 0.038 χ^2 /NDF: 563231.1/22

+ sign 235.496 $\pm$ 0.033 χ^2 /NDF: 1345701.0/42

All: 229.183 $\pm$ 0.022 χ^2 /NDF: 3305641.3/87

- sign 223.443 $\pm$ 0.031 χ^2 /NDF: 1888218.3/44

asym_bpm1i02WS_mean vs Slug



Right In: -477.369+/-45.003 χ^2/NDF : 34145.7/17

Left Out: -4210.601+/-30.828 χ^2/NDF : 56802.7/24

Right Out: -2832.730+/-41.414 χ^2/NDF : 73949.2/21

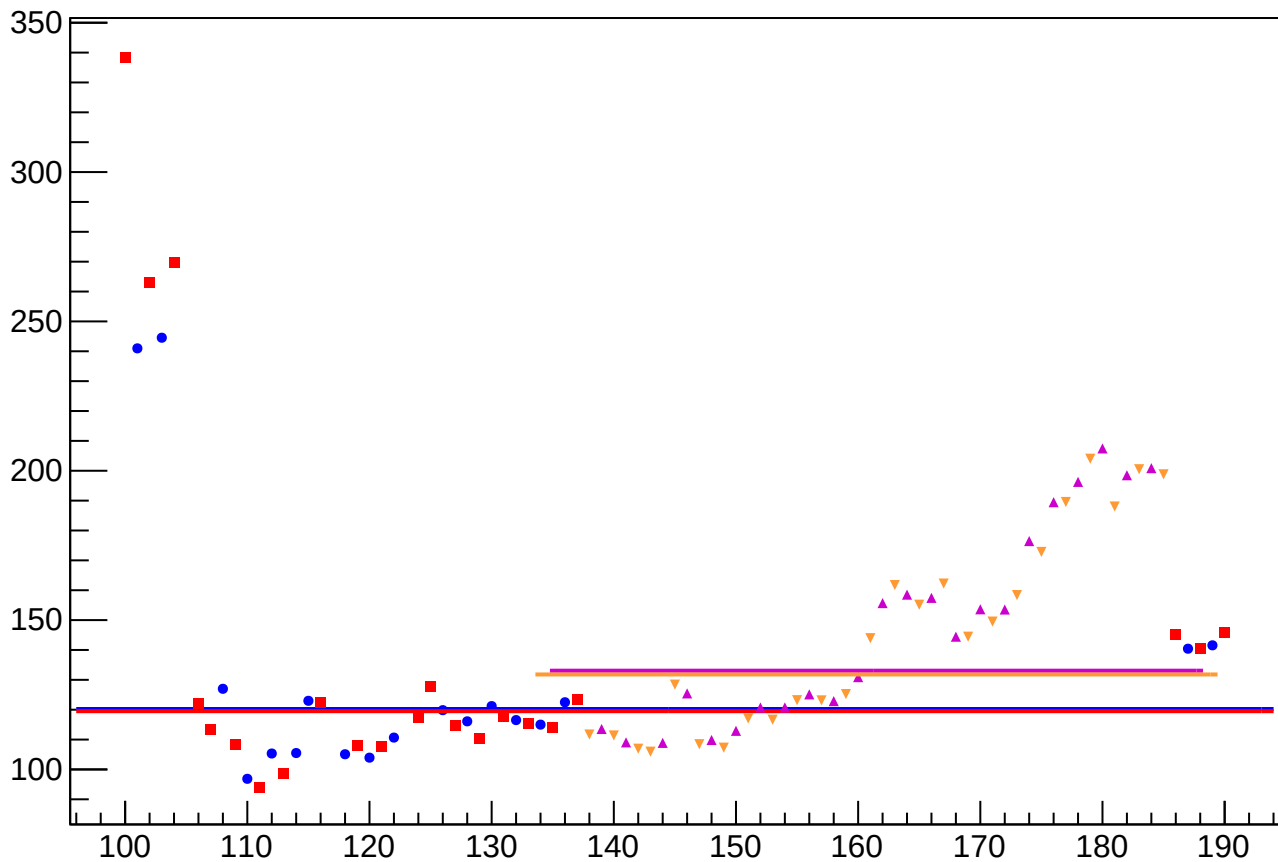
Left In: 5178.213+/-31.969 χ^2/NDF : 18541.3/22

+ sign -3018.276+/-25.433 χ^2/NDF : 95632.0/42

All: -402.632+/-17.939 χ^2/NDF : 232616.6/87

- sign 2187.022+/-25.307 χ^2/NDF : 115936.1/44

asym_bpm1i02WS_rms vs Slug



Right In: 120.232 $\pm$ 0.032 χ^2 /NDF: 768129.0/17

Left Out: 131.798 $\pm$ 0.022 χ^2 /NDF:1544340.3/24

Right Out: 119.498 $\pm$ 0.029 χ^2 /NDF: 968434.2/21

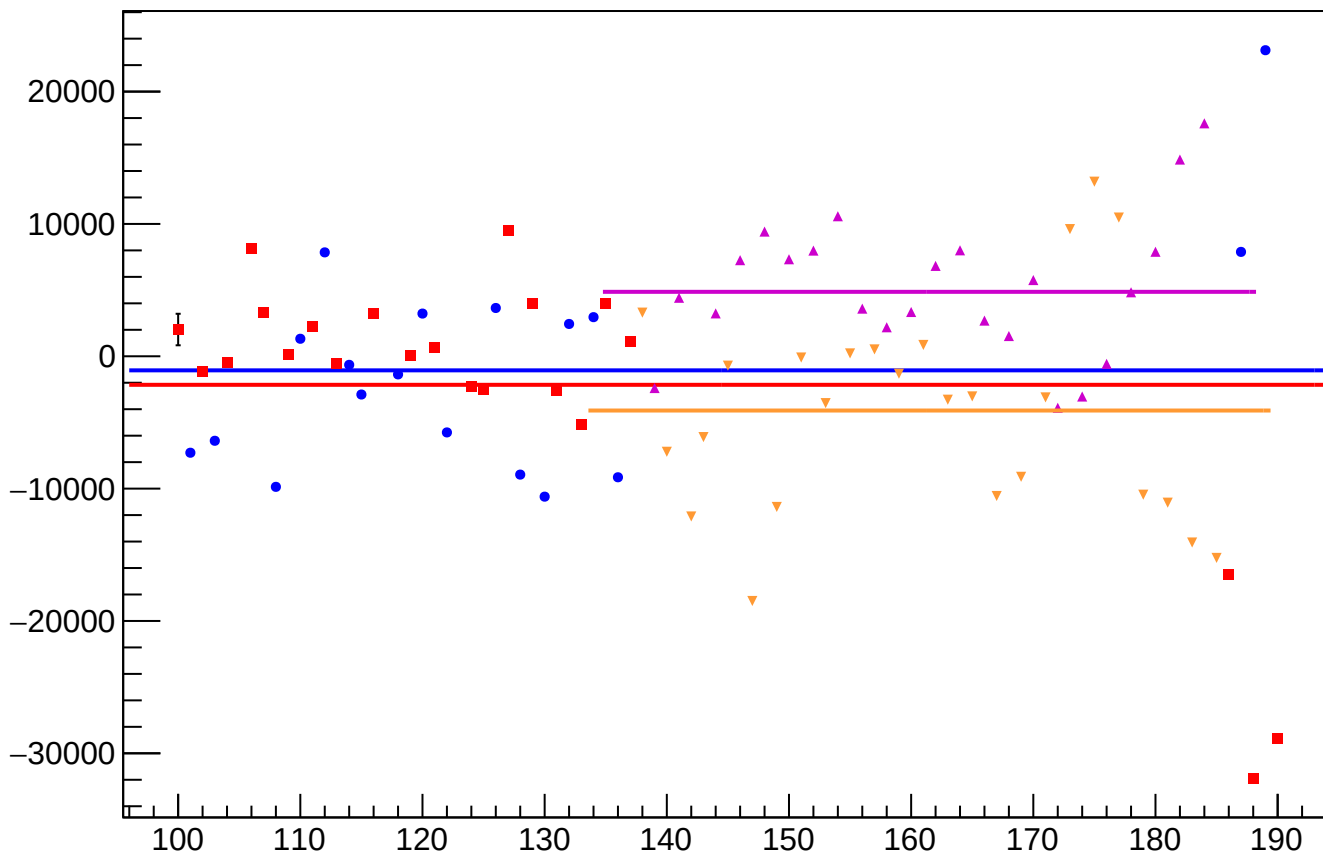
Left In: 133.061 $\pm$ 0.023 χ^2 /NDF:1418252.2/22

+ sign 128.104 $\pm$ 0.018 χ^2 /NDF: 2402378.4/42

All: 128.050 $\pm$ 0.013 χ^2 /NDF: 4923495.0/87

- sign 127.997 $\pm$ 0.018 χ^2 /NDF: 2521098.9/44

asym_bpm2i01WS_mean vs Slug



Right In: -1063.582 ± 39.524 $\chi^2/\text{NDF}: 39406.1/17$

Left Out: -4098.897 ± 27.771 $\chi^2/\text{NDF}: 66271.3/24$

Right Out: -2156.337 ± 36.879 $\chi^2/\text{NDF}: 78838.2/21$

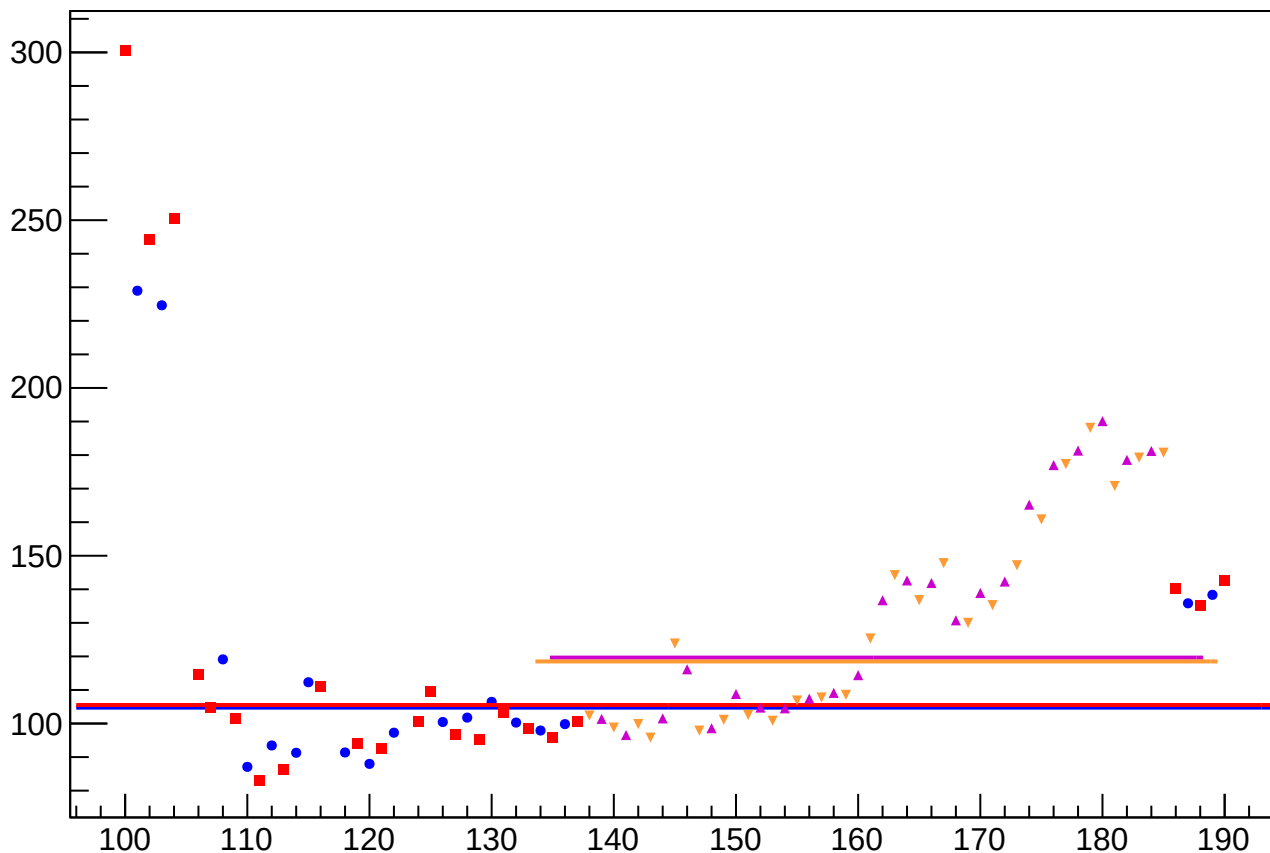
Left In: 4869.740 ± 28.809 $\chi^2/\text{NDF}: 21913.6/22$

+ sign -3095.631 ± 22.723 $\chi^2/\text{NDF}: 109625.8/42$

All: -441.946 ± 16.060 $\chi^2/\text{NDF}: 260172.2/87$

- sign 2207.082 ± 22.703 $\chi^2/\text{NDF}: 123293.0/44$

asym_bpm2i01WS_rms vs Slug



Right In: 104.741+/-0.028 χ^2/NDF : 912204.6/17

Left Out: 118.502+/-0.020 χ^2/NDF : 1627138.9/24

Right Out: 105.515+/-0.026 χ^2/NDF : 1143285.7/21

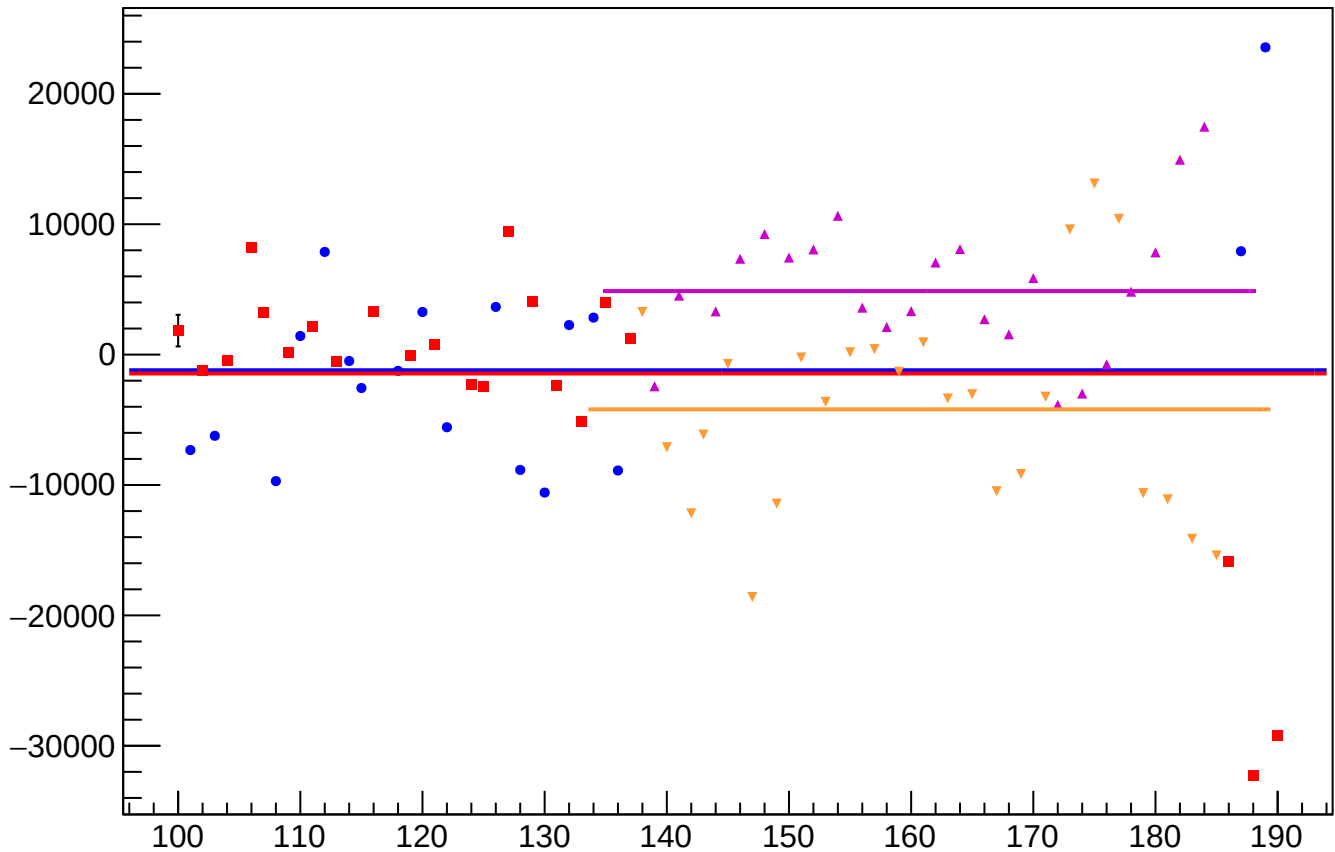
Left In: 119.645+/-0.020 χ^2/NDF : 1512380.5/22

+ sign 113.953+/-0.016 χ^2/NDF : 2701634.3/42

All: 114.122+/-0.011 χ^2/NDF : 5539854.0/87

- sign 114.290+/-0.016 χ^2/NDF : 2838000.2/44

asym_bpm2i02WS_mean vs Slug



Right In: -1198.514 ± 38.105 $\chi^2/\text{NDF}: 39036.8/17$

Left Out: -4197.414 ± 27.211 $\chi^2/\text{NDF}: 70415.4/24$

+ sign -3184.622 ± 22.144 $\chi^2/\text{NDF}: 113554.2/42$

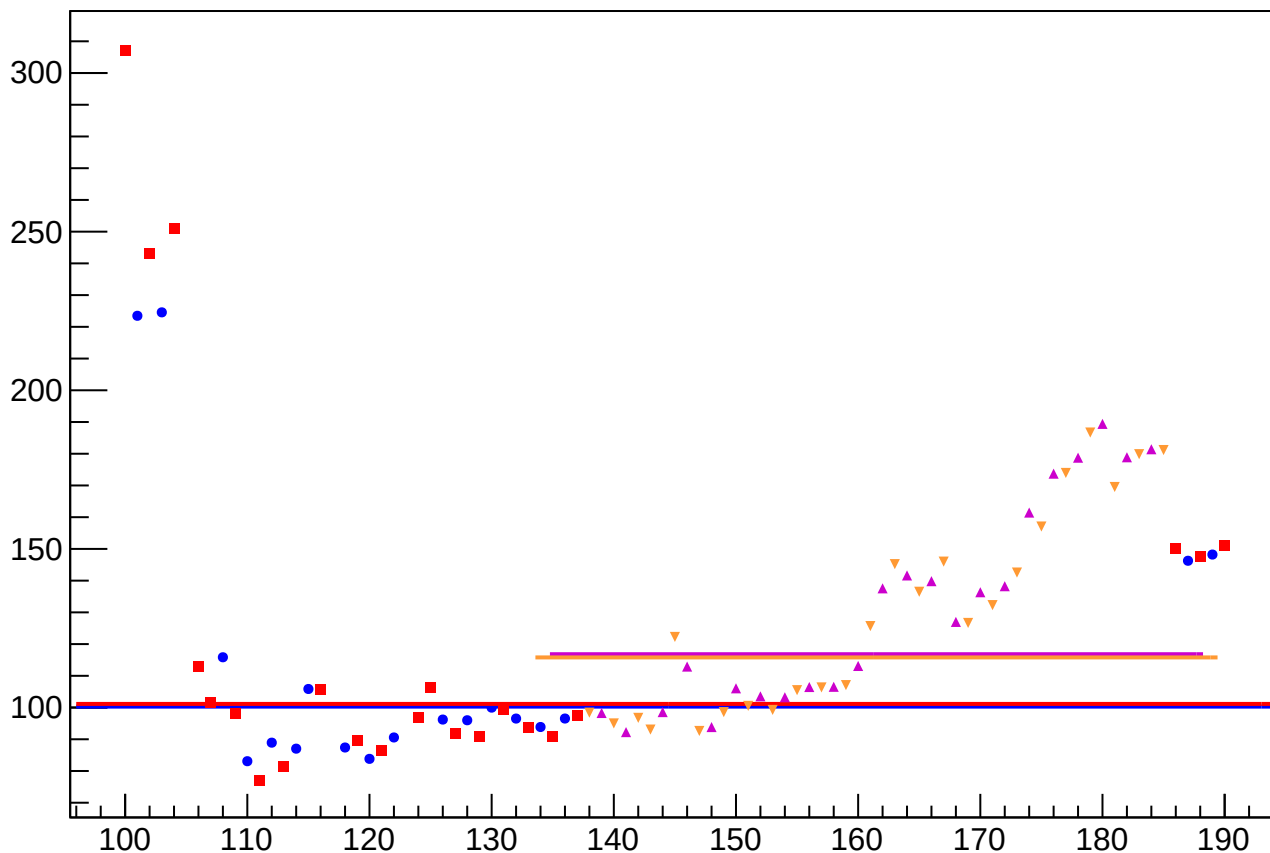
Right Out: -1448.276 ± 35.707 $\chi^2/\text{NDF}: 71475.2/21$

All: -368.179 ± 15.654 $\chi^2/\text{NDF}: 259588.5/87$

- sign 2444.846 ± 22.131 $\chi^2/\text{NDF}: 113701.1/44$

Left In: 4873.124 ± 28.200 $\chi^2/\text{NDF}: 22923.8/22$

asym_bpm2i02WS_rms vs Slug



Right In: 100.295 $\pm$ 0.027 χ^2 /NDF: 1021736.3/17

Left Out: 115.798 $\pm$ 0.019 χ^2 /NDF: 1749021.2/24

Right Out: 101.141 $\pm$ 0.025 χ^2 /NDF: 1397075.3/21

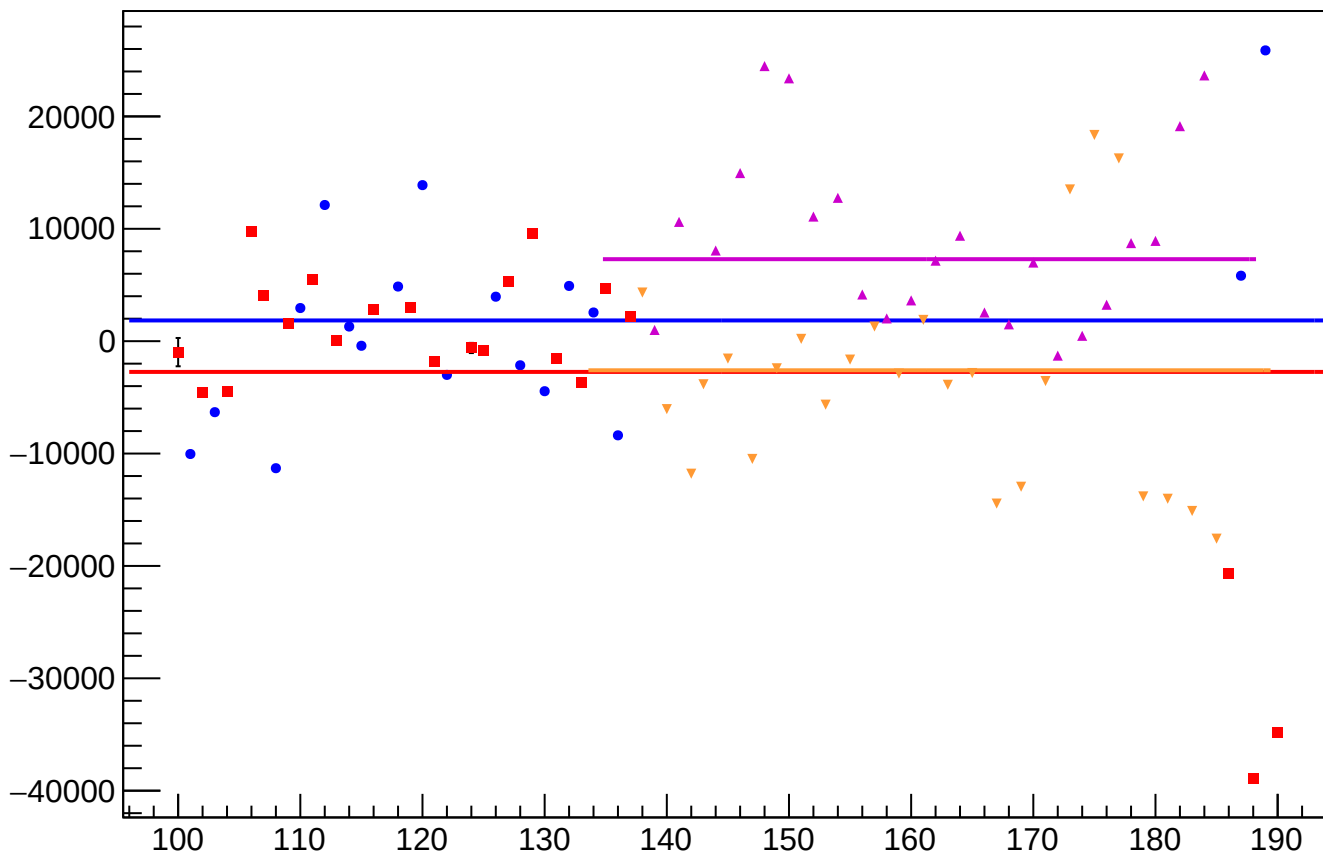
Left In: 116.808 $\pm$ 0.020 χ^2 /NDF: 1617645.9/22

+ sign 110.562 $\pm$ 0.016 χ^2 /NDF: 2989997.6/42

All: 110.676 $\pm$ 0.011 χ^2 /NDF: 6241967.9/87

- sign 110.790 $\pm$ 0.016 χ^2 /NDF: 3251864.6/44

asym_bpm0i01WS_mean vs Slug



Right In: 1844.529+/-53.015 χ^2/NDF : 29148.7/17

Left Out: -2591.379+/-37.643 χ^2/NDF : 47994.7/24

Right Out: -2734.719+/-49.691 χ^2/NDF : 69852.8/21

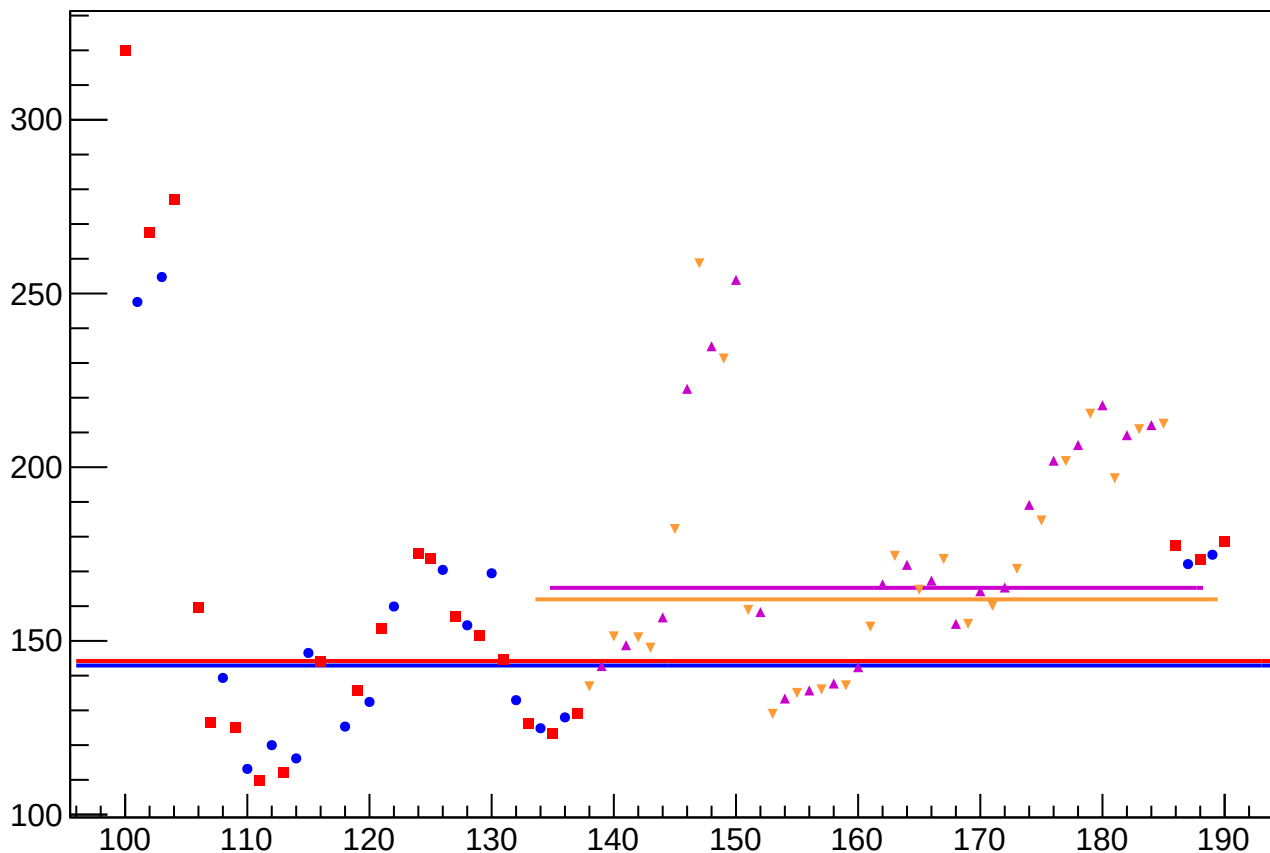
Left In: 7296.193+/-39.576 χ^2/NDF : 24743.4/22

+ sign -1104.544+/-30.693 χ^2/NDF : 81797.9/42

All: 1129.917+/-21.796 χ^2/NDF : 212019.3/87

- sign 3403.023+/-30.957 χ^2/NDF : 119530.0/44

asym_bpm0i01WS_rms vs Slug



Right In: 142.915+/-0.037 χ^2/NDF : 724454.1/17

Left Out: 161.957+/-0.027 χ^2/NDF :1144808.3/24

Right Out: 144.217+/-0.035 χ^2/NDF : 926480.5/21

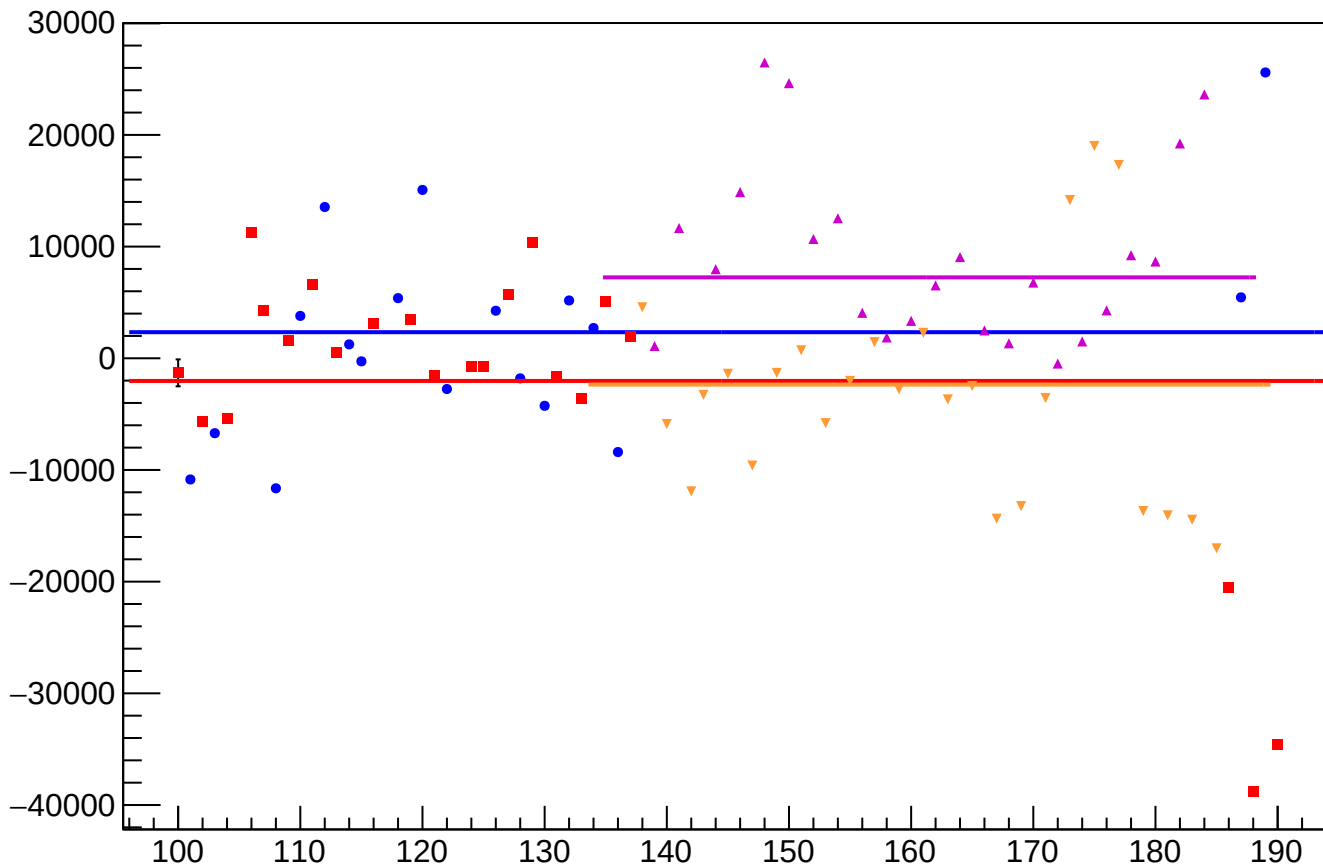
Left In: 165.273+/-0.028 χ^2/NDF :1179090.6/22

+ sign 155.574+/-0.022 χ^2/NDF : 2040799.0/42

All: 156.331+/-0.015 χ^2/NDF : 4368532.0/87

- sign 157.101+/-0.022 χ^2/NDF : 2325281.6/44

asym_bpm0i01aWS_mean vs Slug



Right In: 2336.469+/-44.487 χ^2/NDF : 43811.4/17

Left Out: -2360.753+/-33.680 χ^2/NDF : 58566.4/24

Right Out: -2028.611+/-41.354 χ^2/NDF : 97926.9/21

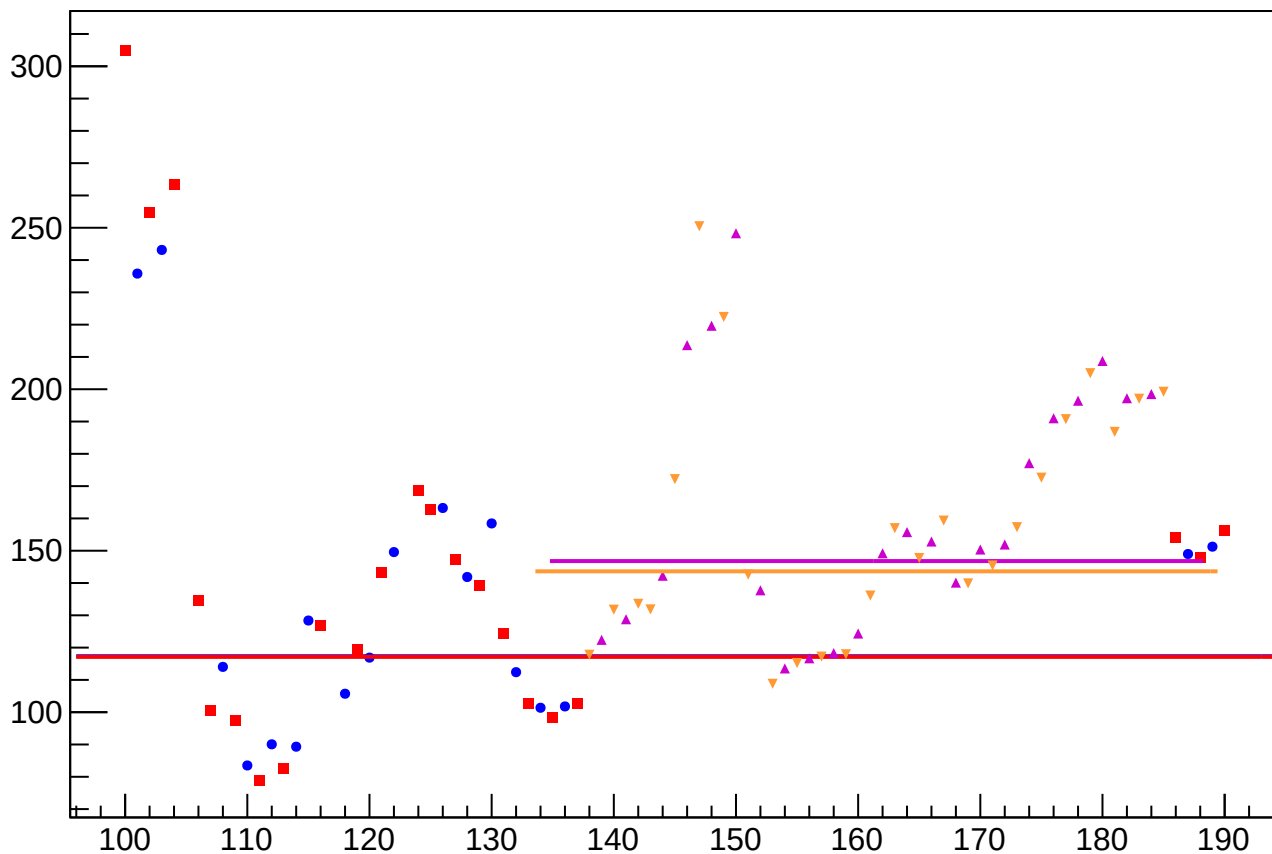
Left In: 7244.763+/-35.507 χ^2/NDF : 30447.9/22

+ sign -649.375+/-26.853 χ^2/NDF : 109464.4/42

All: 1323.645+/-19.018 χ^2/NDF : 277617.3/87

- sign 3309.447+/-26.939 χ^2/NDF : 157320.6/44

asym_bpm0i01aWS_rms vs Slug



Right In: 117.322+/-0.031 χ^2/NDF : 1187001.9/17

Left Out: 143.622+/-0.024 χ^2/NDF :1662825.4/24

Right Out: 117.146+/-0.029 χ^2/NDF : 1523728.6/21

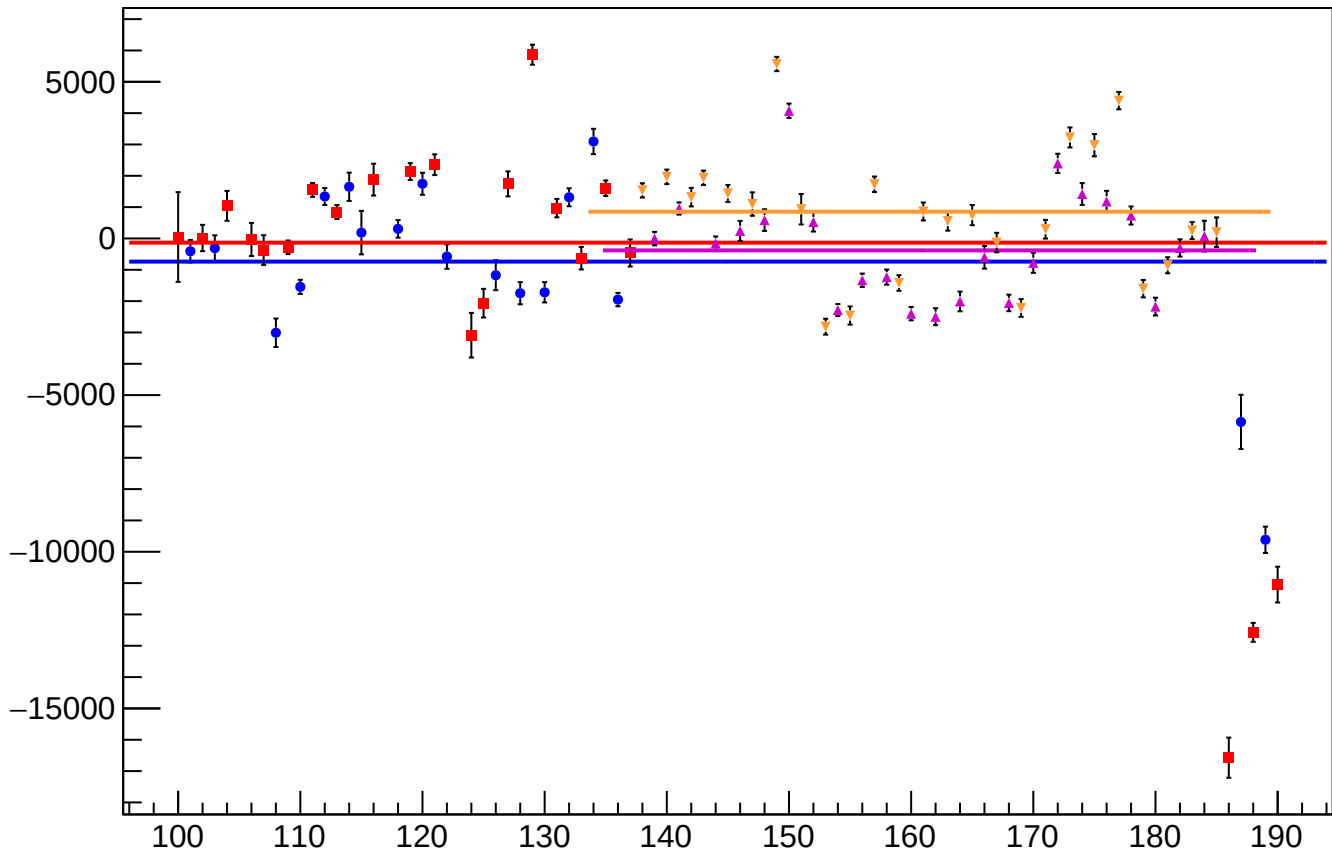
Left In: 146.793+/-0.025 χ^2/NDF :1694524.1/22

+ sign 134.040+/-0.019 χ^2/NDF : 3294162.4/42

All: 134.126+/-0.013 χ^2/NDF : 7104148.6/87

- sign 134.212+/-0.019 χ^2/NDF : 3809945.2/44

asym_bpm0l01WS_mean vs Slug



Right In: -738.499 ± 80.263 χ^2/NDF : 865.3/17

Left Out: 853.916 ± 56.237 χ^2/NDF : 1443.8/24

Right Out: -134.103 ± 73.021 χ^2/NDF : 3414.7/21

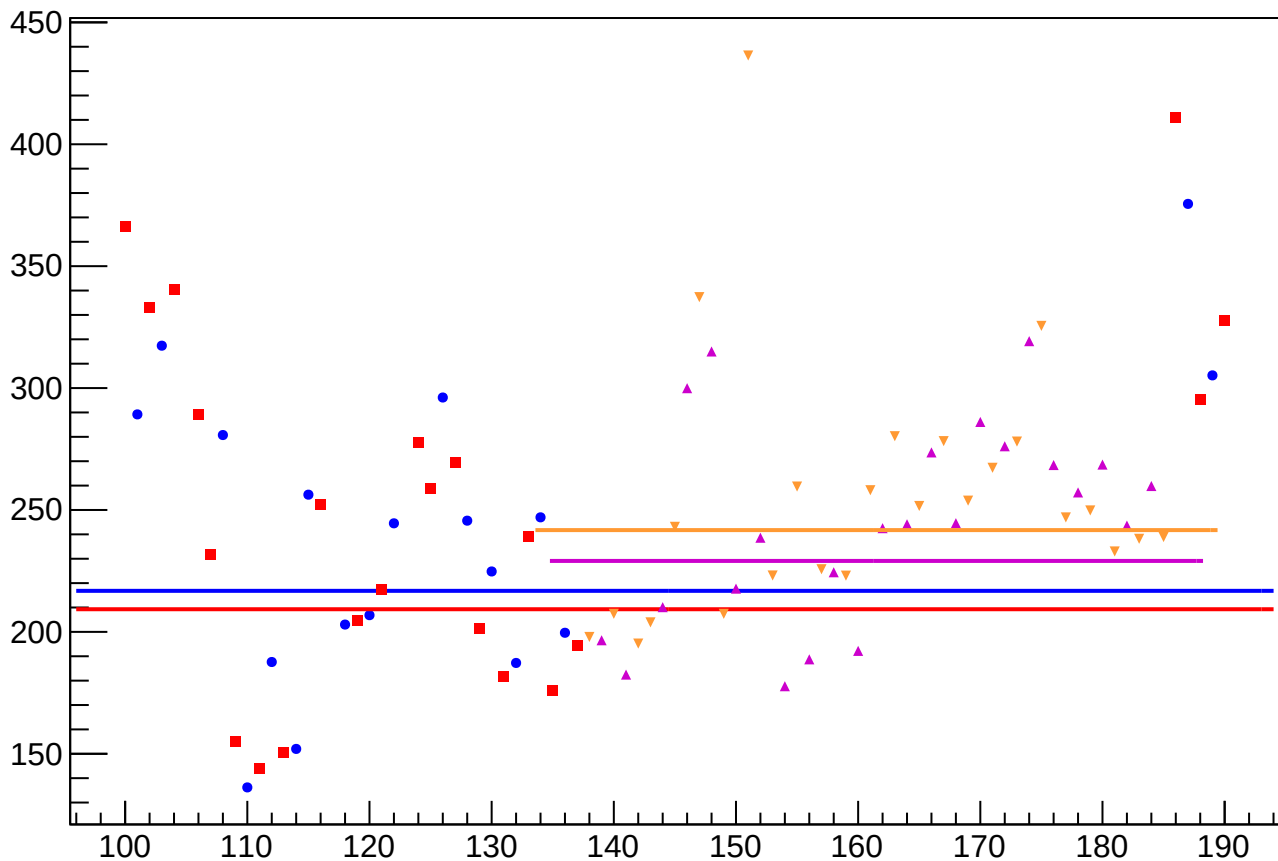
Left In: -380.865 ± 55.135 χ^2/NDF : 982.4/22

+ sign 329.576 ± 46.057 χ^2/NDF : 2573.1/42

All: 4.993 ± 31.815 χ^2/NDF : 7072.6/87

- sign -291.265 ± 44.001 χ^2/NDF : 4404.4/44

asym_bpm0l01WS_rms vs Slug



Right In: 216.834 $\pm$ 0.057 χ^2 /NDF: 852939.1/17

Left Out: 241.746 $\pm$ 0.040 χ^2 /NDF: 986390.8/24

Right Out: 209.289 $\pm$ 0.052 χ^2 /NDF: 1458194.8/21

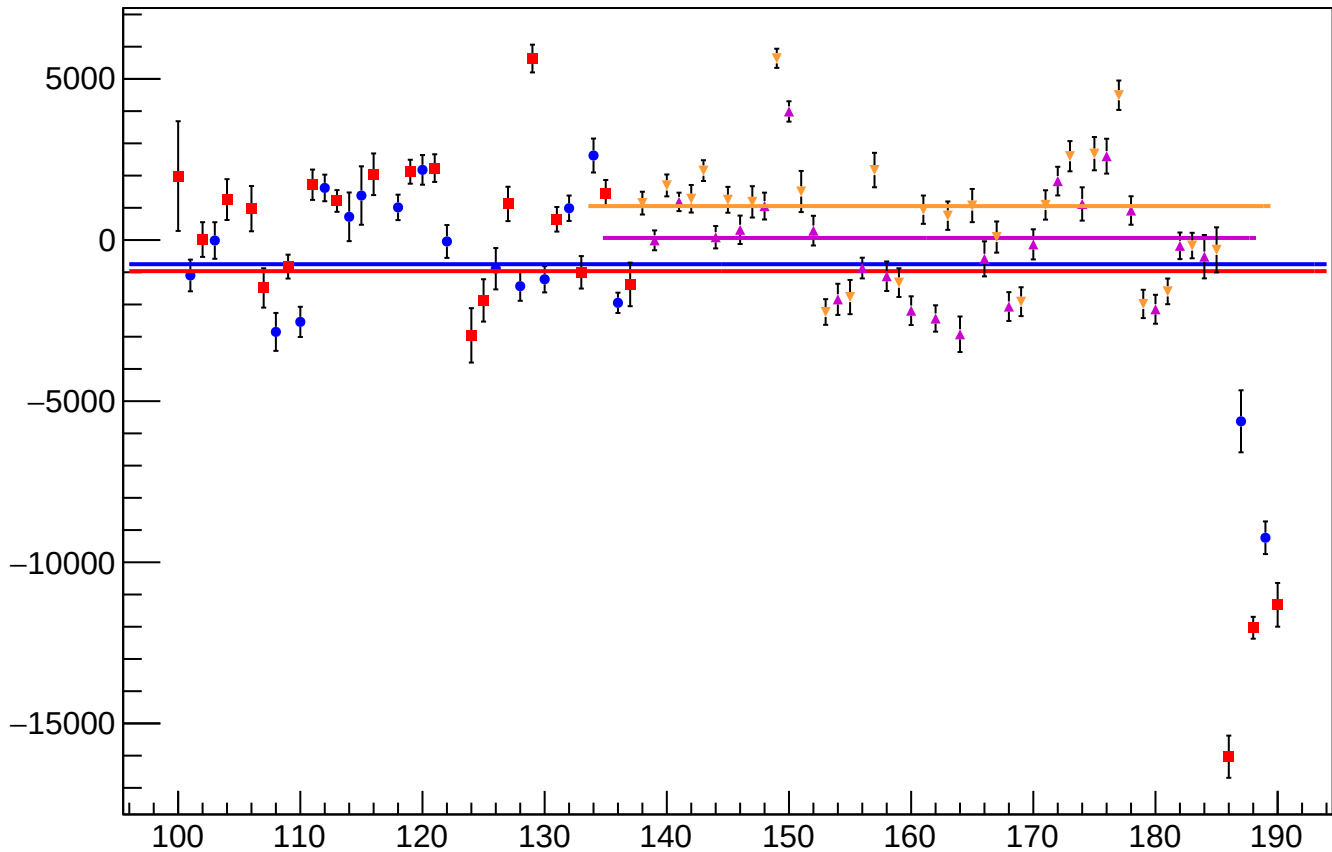
Left In: 229.103 $\pm$ 0.039 χ^2 /NDF: 1068960.6/22

+ sign 233.543 $\pm$ 0.033 χ^2 /NDF: 1968560.2/42

All: 227.460 $\pm$ 0.022 χ^2 /NDF: 4656236.4/87

- sign 221.908 $\pm$ 0.031 χ^2 /NDF: 2620950.7/44

asym_bpm0l02WS_mean vs Slug



Right In: -749.950 ± 114.009 $\chi^2/\text{NDF}: 519.1/17$

Left Out: 1053.354 ± 85.895 $\chi^2/\text{NDF}: 614.6/24$

Right Out: -965.325 ± 104.622 $\chi^2/\text{NDF}: 2384.5/21$

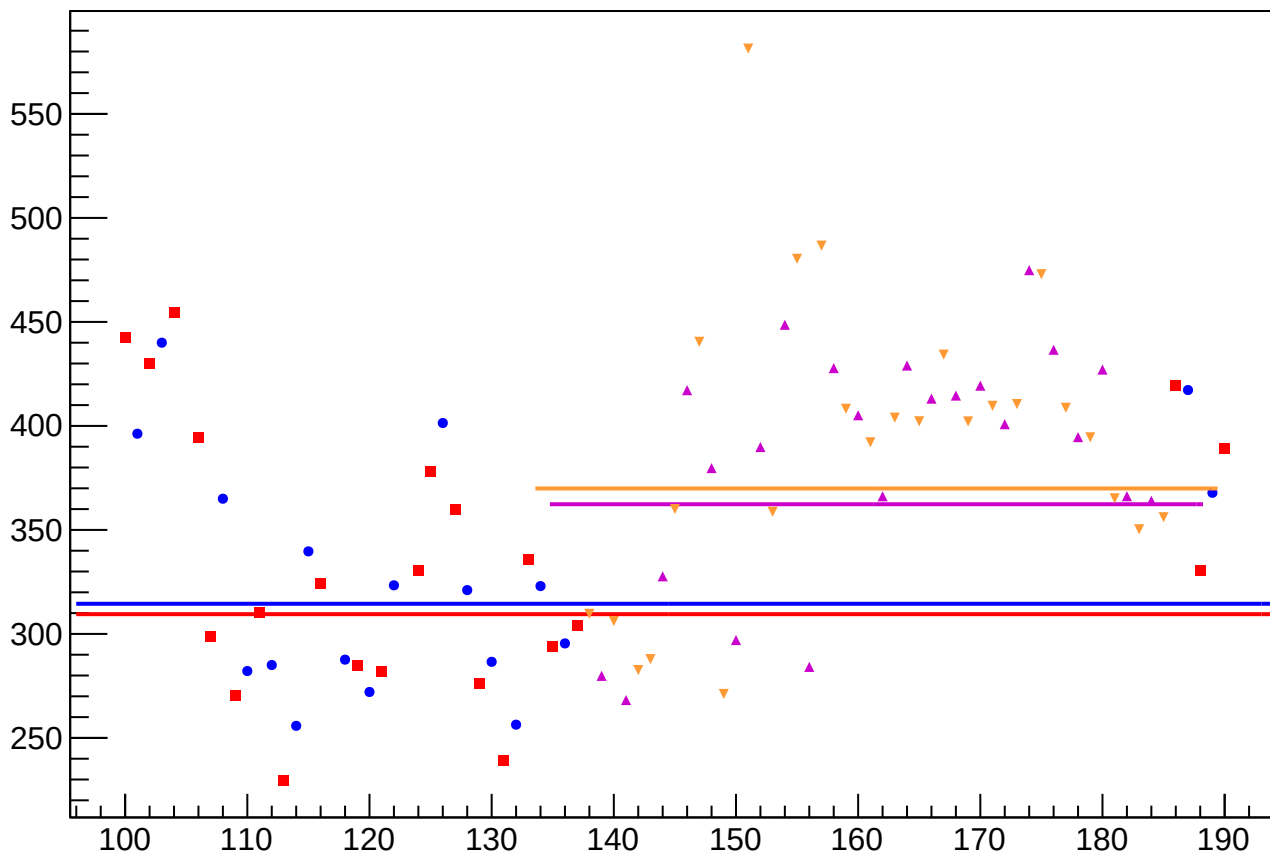
Left In: 64.646 ± 86.660 $\chi^2/\text{NDF}: 394.4/22$

+ sign 400.392 ± 68.604 $\chi^2/\text{NDF}: 1293.3/42$

All: 12.560 ± 47.837 $\chi^2/\text{NDF}: 4192.0/87$

- sign -354.465 ± 66.738 $\chi^2/\text{NDF}: 2836.4/44$

asym_bpm0l02WS_rms vs Slug



Right In: 314.495 $\pm$ 0.081 χ^2 /NDF: 371123.0/17

Left Out: 369.923 $\pm$ 0.061 χ^2 /NDF:1230300.9/24

Right Out: 309.492 $\pm$ 0.074 χ^2 /NDF: 621636.8/21

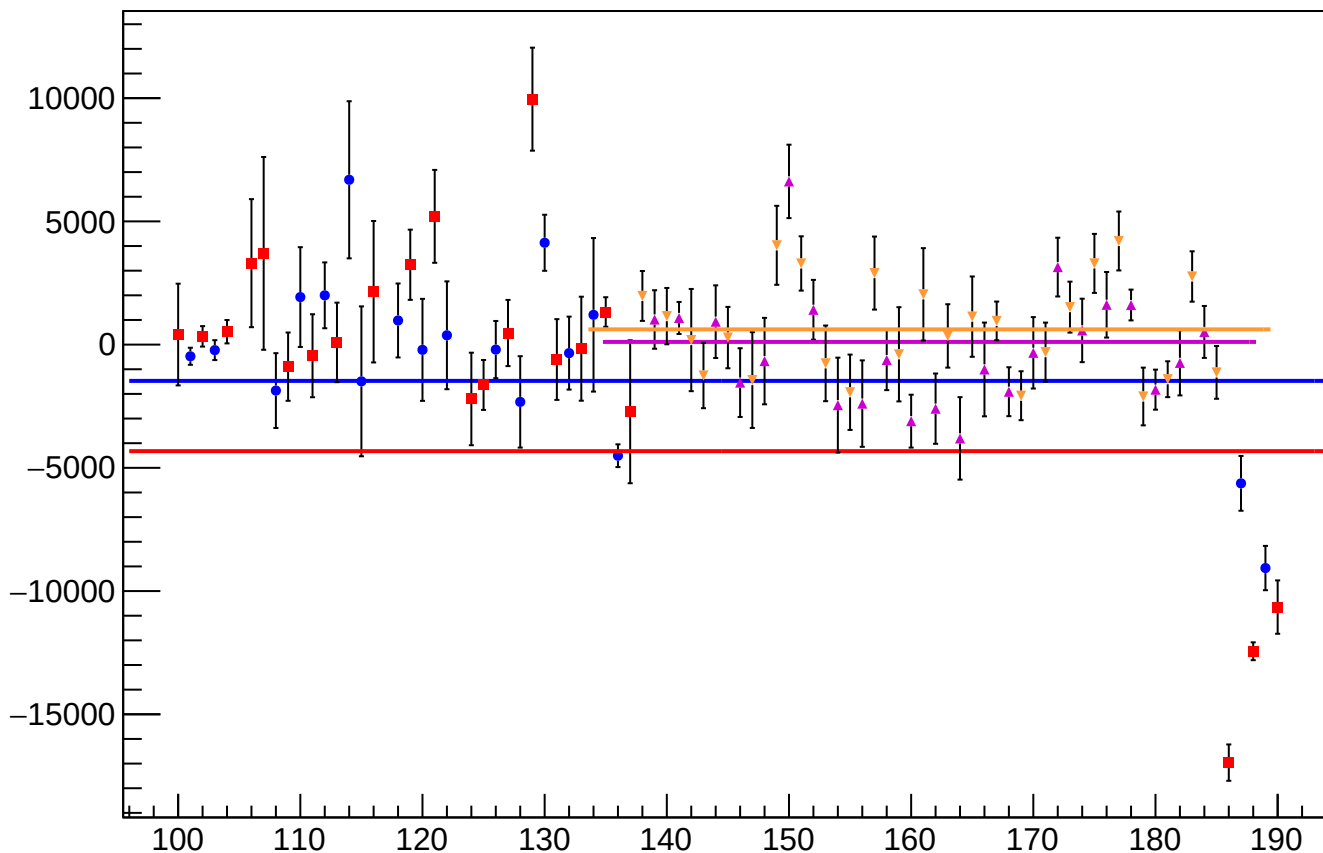
Left In: 362.341 $\pm$ 0.061 χ^2 /NDF:1053395.6/22

+ sign 349.853 $\pm$ 0.049 χ^2 /NDF: 1902982.8/42

All: 345.220 $\pm$ 0.034 χ^2 /NDF: 3898441.4/87

- sign 340.836 $\pm$ 0.047 χ^2 /NDF: 1977705.3/44

asym_bpm0l03WS_mean vs Slug



Right In: -1471.950 ± 196.462 $\chi^2/\text{NDF}: 193.4/17$

Left Out: 618.538 ± 238.150 $\chi^2/\text{NDF}: 65.7/24$

Right Out: -4322.841 ± 186.523 $\chi^2/\text{NDF}: 1324.5/21$

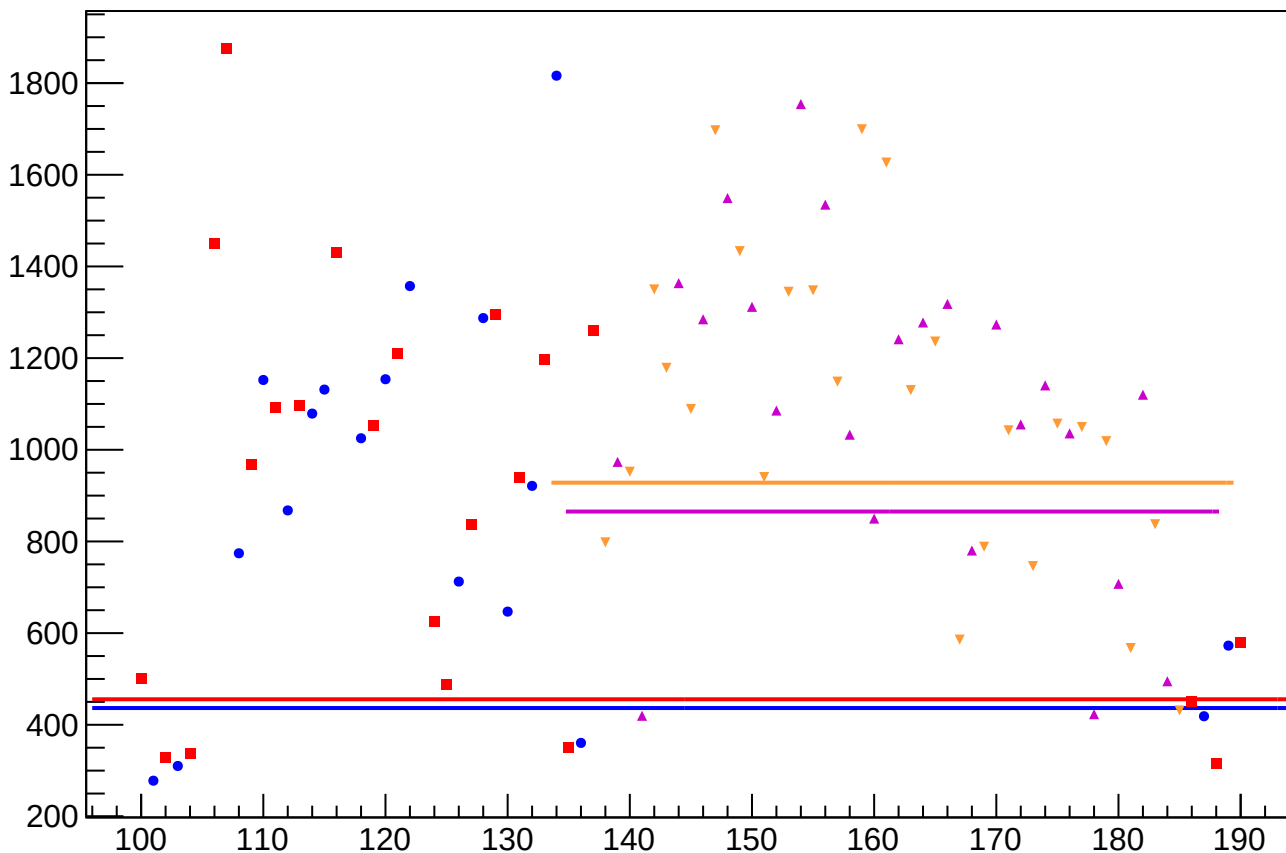
Left In: 109.519 ± 237.827 $\chi^2/\text{NDF}: 71.7/22$

+ sign -625.400 ± 151.549 $\chi^2/\text{NDF}: 305.0/42$

All: -1662.296 ± 105.431 $\chi^2/\text{NDF}: 2007.0/87$

- sign -2634.813 ± 146.769 $\chi^2/\text{NDF}: 1611.3/44$

asym_bpm0l03WS_rms vs Slug



Right In: 436.567 $\pm$ 0.139 χ^2 /NDF: 3570268.3/17

Left Out: 928.240 $\pm$ 0.168 χ^2 /NDF:3294716.2/24

Right Out: 455.682 $\pm$ 0.132 χ^2 /NDF: 4110759.9/21

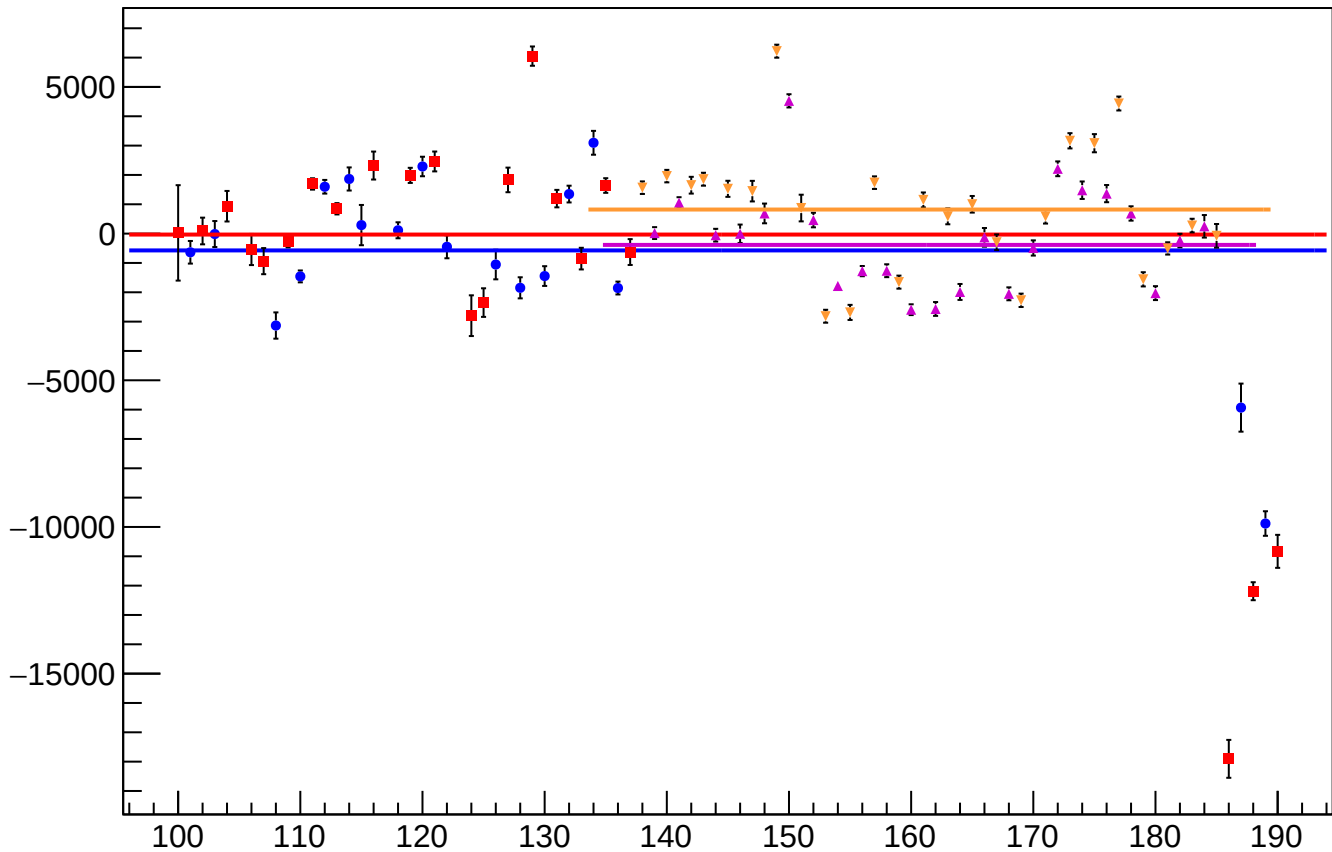
Left In: 865.223 $\pm$ 0.168 χ^2 /NDF:4792678.4/22

+ sign 635.672 $\pm$ 0.107 χ^2 /NDF: 11937604.5/42

All: 623.277 $\pm$ 0.075 χ^2 /NDF: 24538968.3/87

- sign 611.652 $\pm$ 0.104 χ^2 /NDF: 12575439.8/44

asym_bpm0l04WS_mean vs Slug



Right In: -572.839 ± 78.091 $\chi^2/\text{NDF}: 979.0/17$

Left Out: 820.821 ± 49.996 $\chi^2/\text{NDF}: 1990.8/24$

Right Out: -32.434 ± 70.091 $\chi^2/\text{NDF}: 3428.5/21$

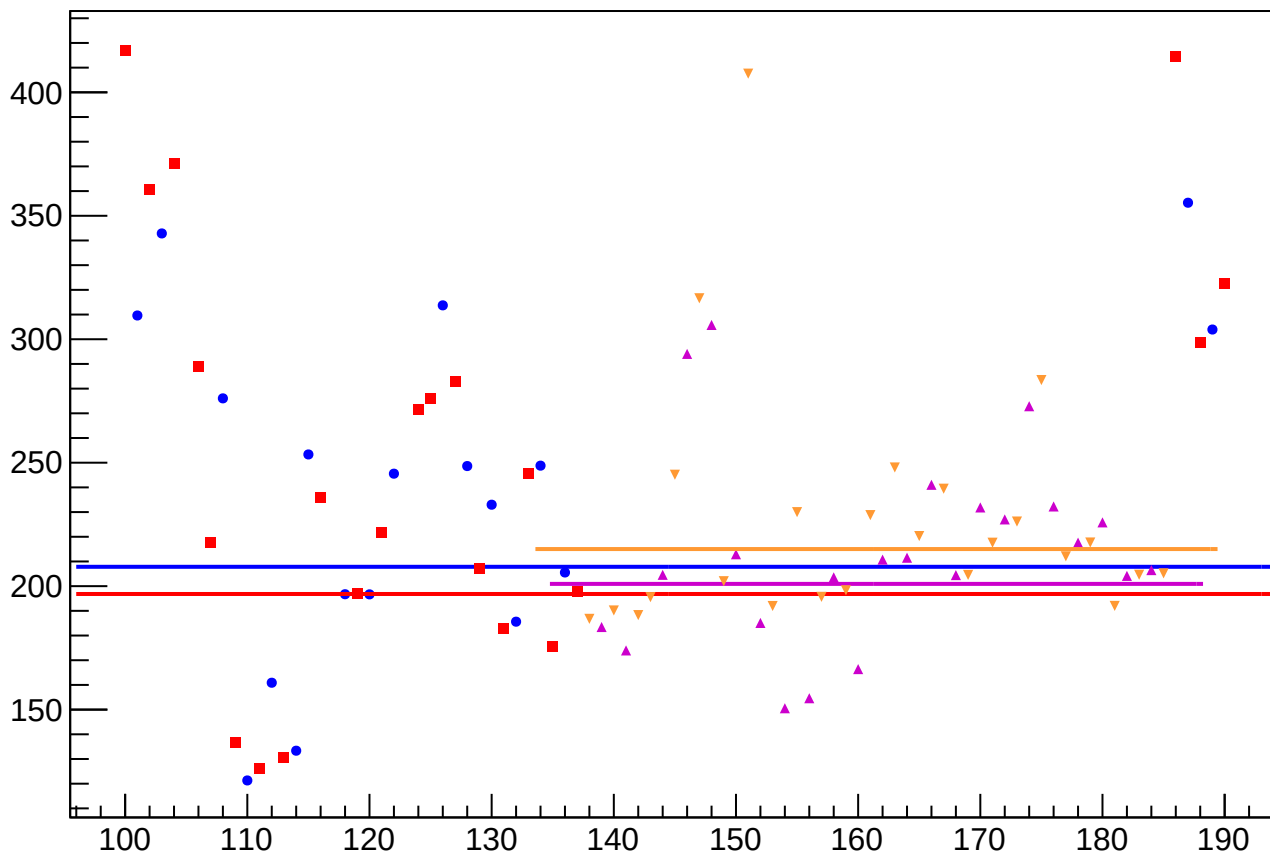
Left In: -385.002 ± 48.455 $\chi^2/\text{NDF}: 1253.3/22$

+ sign 415.647 ± 42.106 $\chi^2/\text{NDF}: 3195.7/42$

All: 53.507 ± 28.946 $\chi^2/\text{NDF}: 8034.9/87$

- sign -270.992 ± 39.858 $\chi^2/\text{NDF}: 4698.9/44$

asym_bpm0l04WS_rms vs Slug



Right In: 207.840 $\pm$ 0.055 χ^2 /NDF: 1249575.9/17

Left Out: 215.027 $\pm$ 0.035 χ^2 /NDF: 897791.6/24

Right Out: 196.827 $\pm$ 0.050 χ^2 /NDF: 2072446.1/21

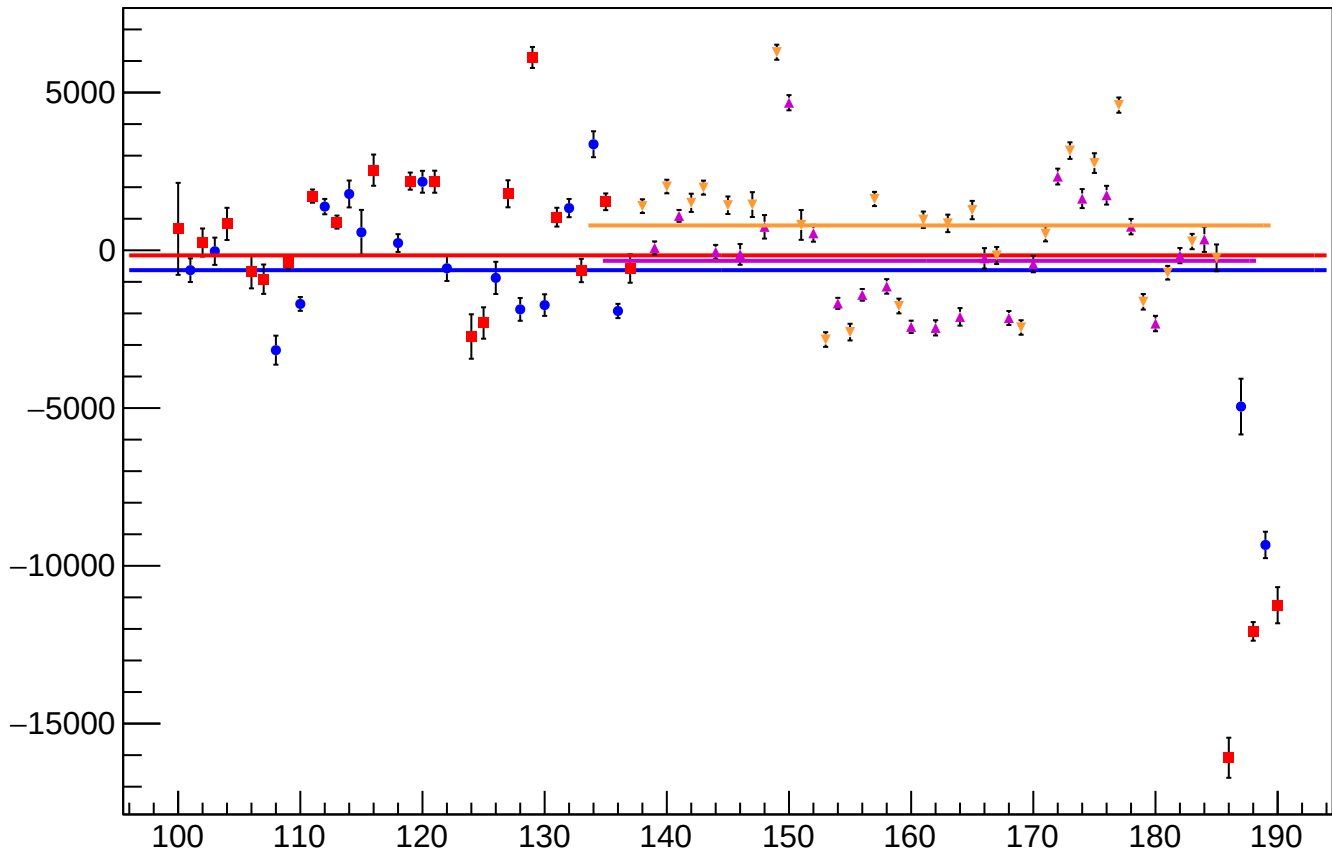
Left In: 200.917 $\pm$ 0.034 χ^2 /NDF: 1105842.5/22

+ sign 212.938 $\pm$ 0.030 χ^2 /NDF: 2159380.6/42

All: 205.900 $\pm$ 0.020 χ^2 /NDF: 5448203.9/87

- sign 199.594 $\pm$ 0.028 χ^2 /NDF: 3182896.1/44

asym_bpm0l05WS_mean vs Slug



Right In: -630.108 ± 80.596 $\chi^2/\text{NDF}: 886.4/17$

Left Out: 788.110 ± 51.424 $\chi^2/\text{NDF}: 1890.2/24$

Right Out: -160.865 ± 72.489 $\chi^2/\text{NDF}: 3371.2/21$

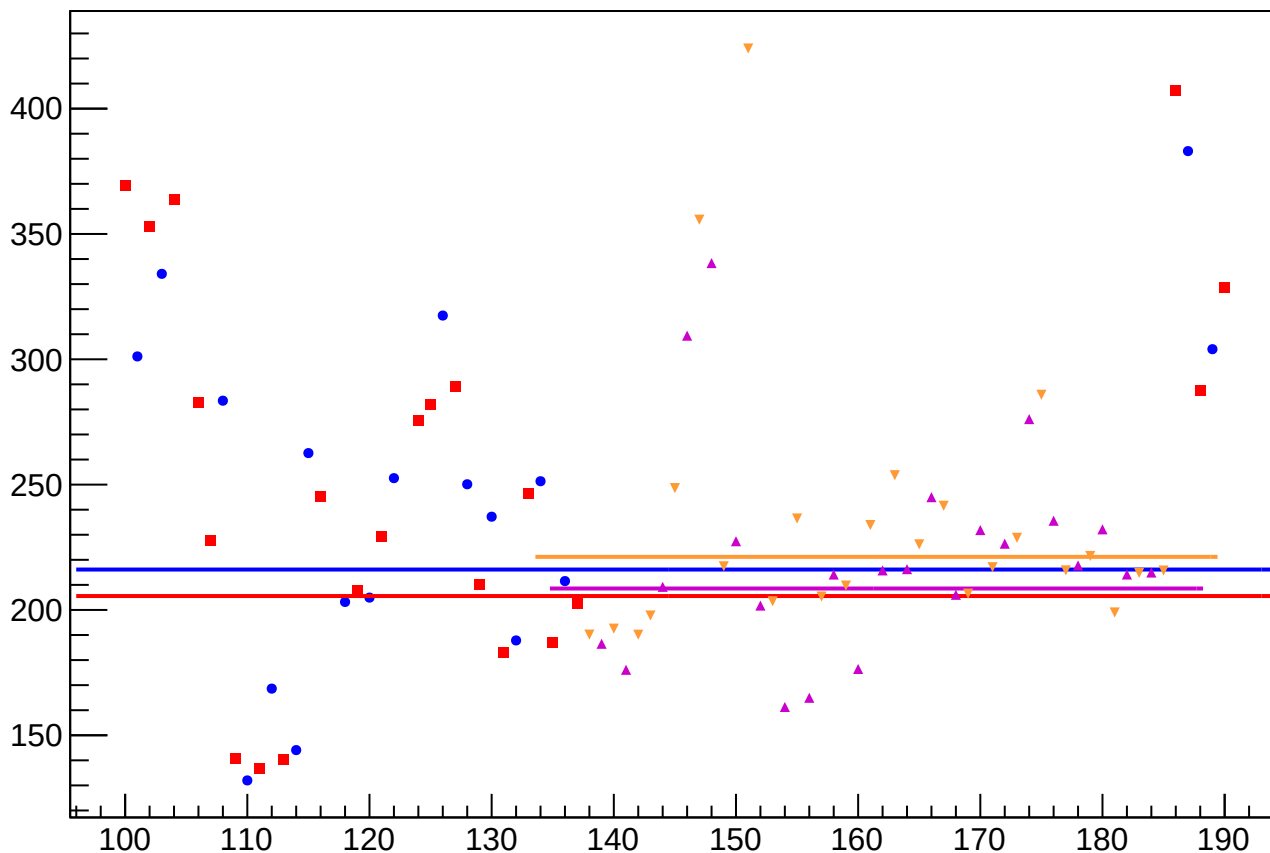
Left In: -333.303 ± 50.194 $\chi^2/\text{NDF}: 1215.2/22$

+ sign 377.790 ± 43.352 $\chi^2/\text{NDF}: 2996.7/42$

All: 34.052 ± 29.890 $\chi^2/\text{NDF}: 7706.8/87$

- sign -277.418 ± 41.267 $\chi^2/\text{NDF}: 4590.3/44$

asym_bpm0l05WS_rms vs Slug



Right In: 216.122 $\pm$ 0.057 χ^2 /NDF: 1050954.6/17

Left Out: 221.185 $\pm$ 0.036 χ^2 /NDF: 939520.0/24

Right Out: 205.553 $\pm$ 0.051 χ^2 /NDF: 1771321.6/21

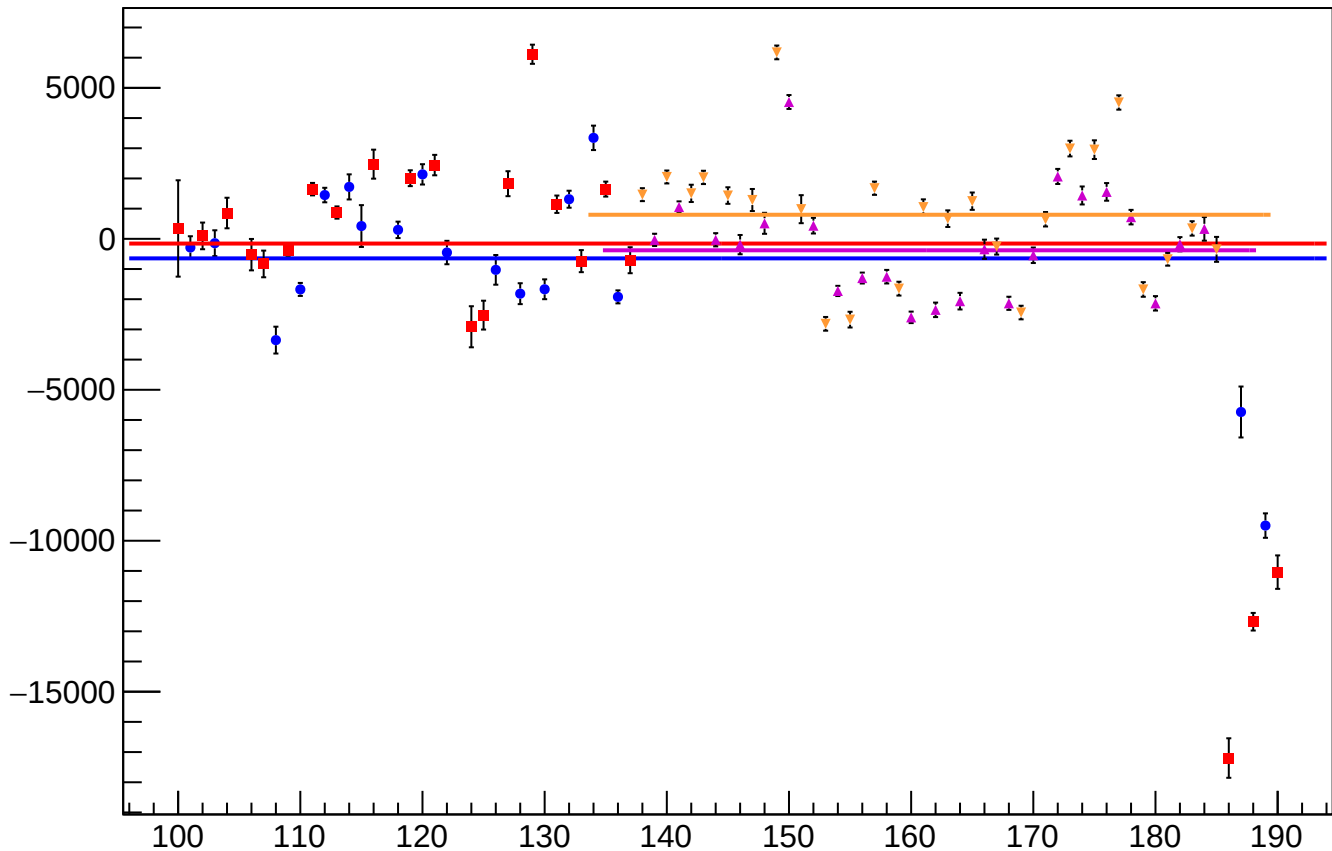
Left In: 208.556 $\pm$ 0.035 χ^2 /NDF: 1035638.0/22

+ sign 219.720 $\pm$ 0.031 χ^2 /NDF: 1996084.7/42

All: 213.353 $\pm$ 0.021 χ^2 /NDF: 4887609.5/87

- sign 207.583 $\pm$ 0.029 χ^2 /NDF: 2809279.3/44

asym_bpm0l06WS_mean vs Slug



Right In: -647.554 ± 78.352 χ^2/NDF : 970.4/17

Left Out: 797.475 ± 50.495 χ^2/NDF : 1960.8/24

Right Out: -156.729 ± 70.162 χ^2/NDF : 3707.1/21

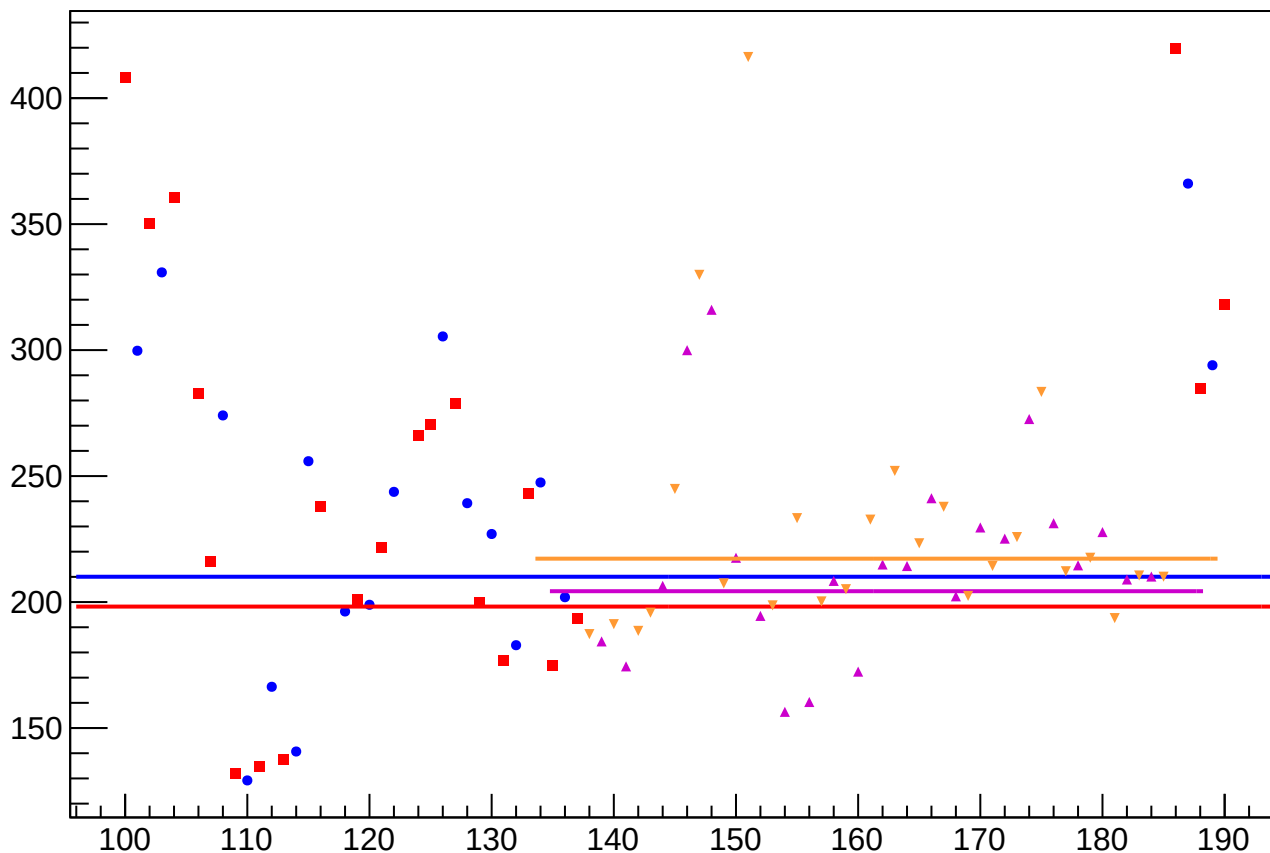
Left In: -379.578 ± 49.183 χ^2/NDF : 1201.2/22

+ sign 373.430 ± 42.444 χ^2/NDF : 3171.5/42

All: 15.818 ± 29.215 χ^2/NDF : 8221.5/87

- sign -306.152 ± 40.274 χ^2/NDF : 4915.1/44

asym_bpm0l06WS_rms vs Slug



Right In: 210.048 $\pm$ 0.055 χ^2 /NDF: 1038690.8/17

Left Out: 217.224 $\pm$ 0.036 χ^2 /NDF: 910445.0/24

Right Out: 198.206 $\pm$ 0.050 χ^2 /NDF: 1875414.5/21

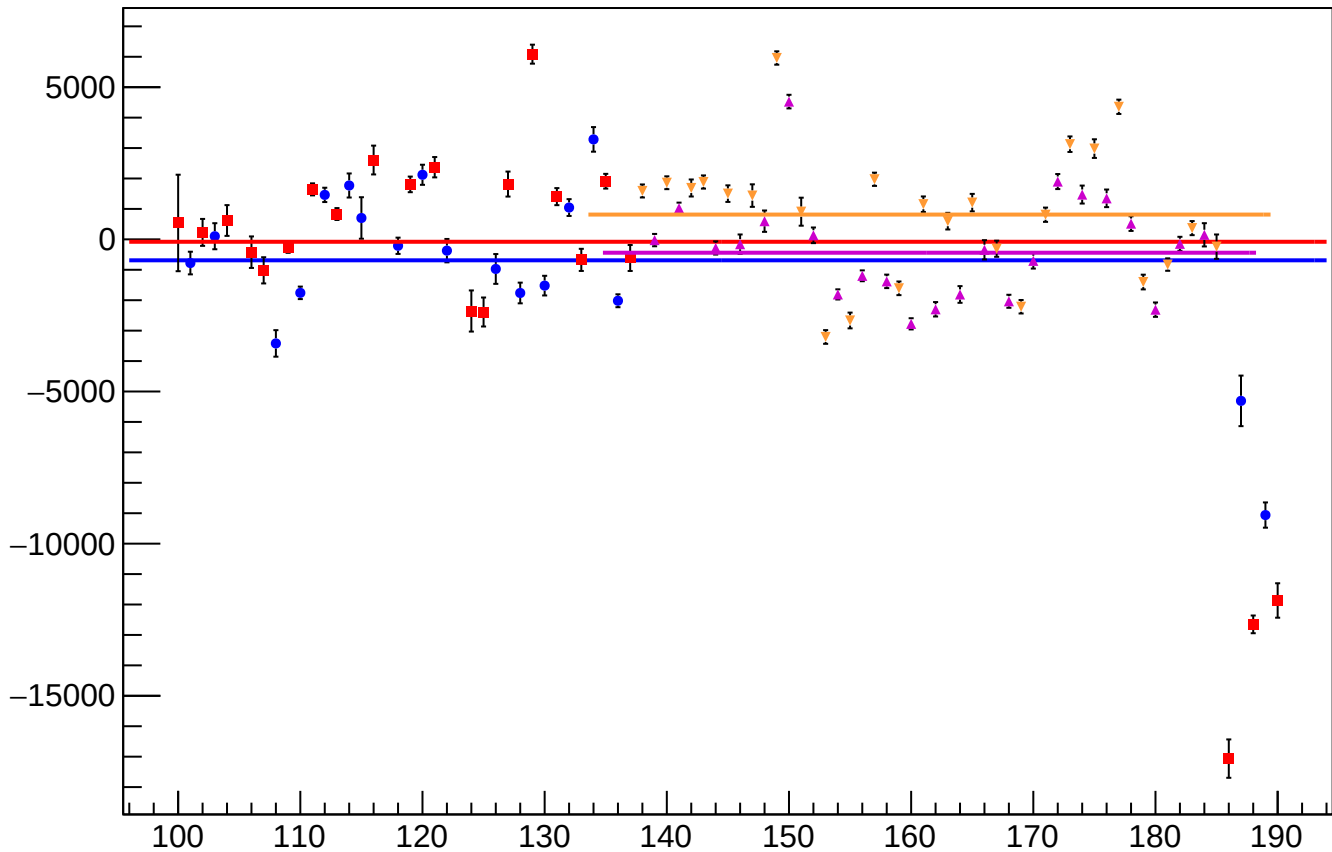
Left In: 204.308 $\pm$ 0.035 χ^2 /NDF: 1015049.0/22

+ sign 215.119 $\pm$ 0.030 χ^2 /NDF: 1960989.5/42

All: 208.372 $\pm$ 0.021 χ^2 /NDF: 4957625.4/87

- sign 202.298 $\pm$ 0.028 χ^2 /NDF: 2900606.1/44

asym_bpm0l07WS_mean vs Slug



Right In: -689.069 ± 76.864 χ^2/NDF : 902.5/17

Left Out: 814.275 ± 49.760 χ^2/NDF : 2000.4/24

Right Out: -79.628 ± 68.546 χ^2/NDF : 3817.6/21

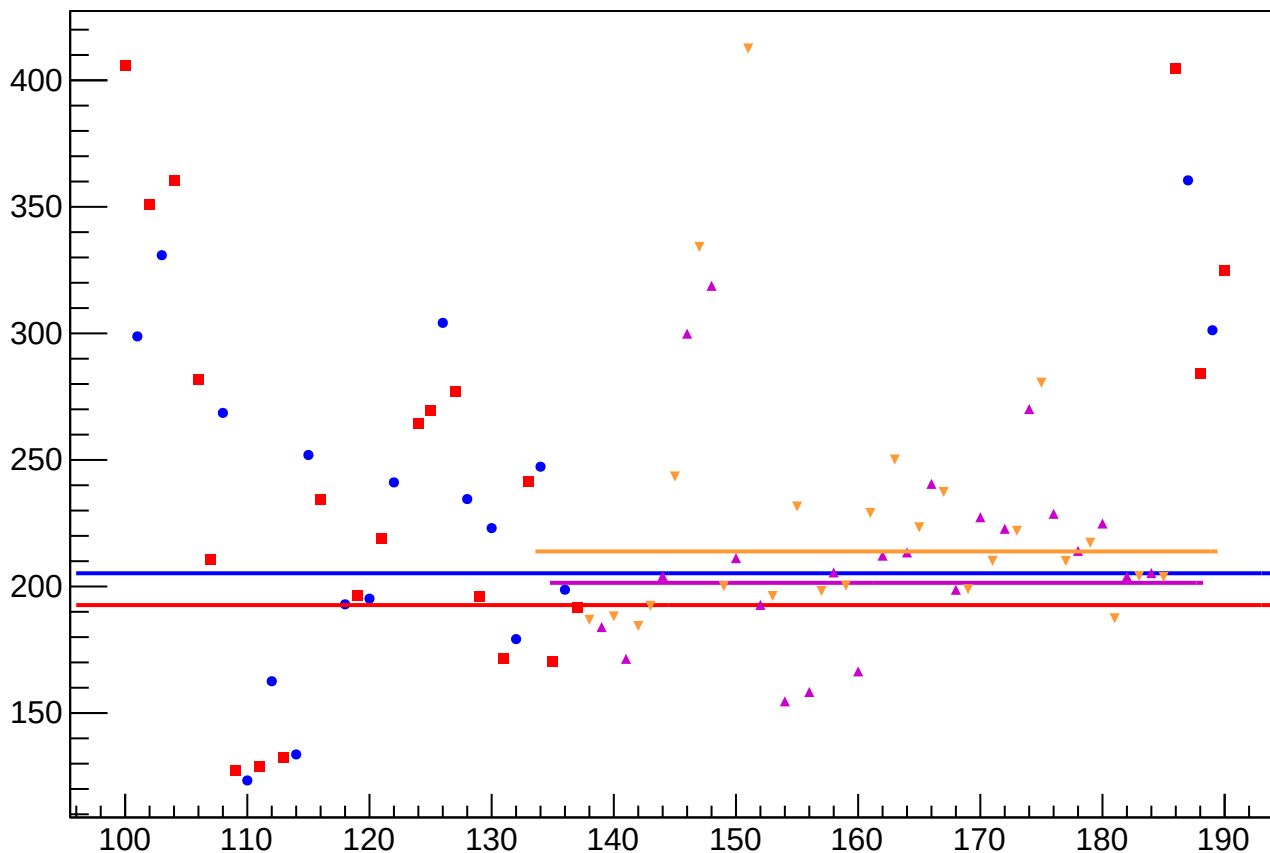
Left In: -439.674 ± 48.535 χ^2/NDF : 1235.0/22

+ sign 370.304 ± 41.771 χ^2/NDF : 3172.5/42

All: 7.138 ± 28.742 χ^2/NDF : 8387.0/87

- sign -319.440 ± 39.611 χ^2/NDF : 5070.9/44

asym_bpm0l07WS_rms vs Slug



Right In: 205.230 $\pm$ 0.054 χ^2 /NDF: 1143505.1/17

Left Out: 213.848 $\pm$ 0.035 χ^2 /NDF:963582.3/24

Right Out: 192.654 $\pm$ 0.048 χ^2 /NDF: 2020542.4/21

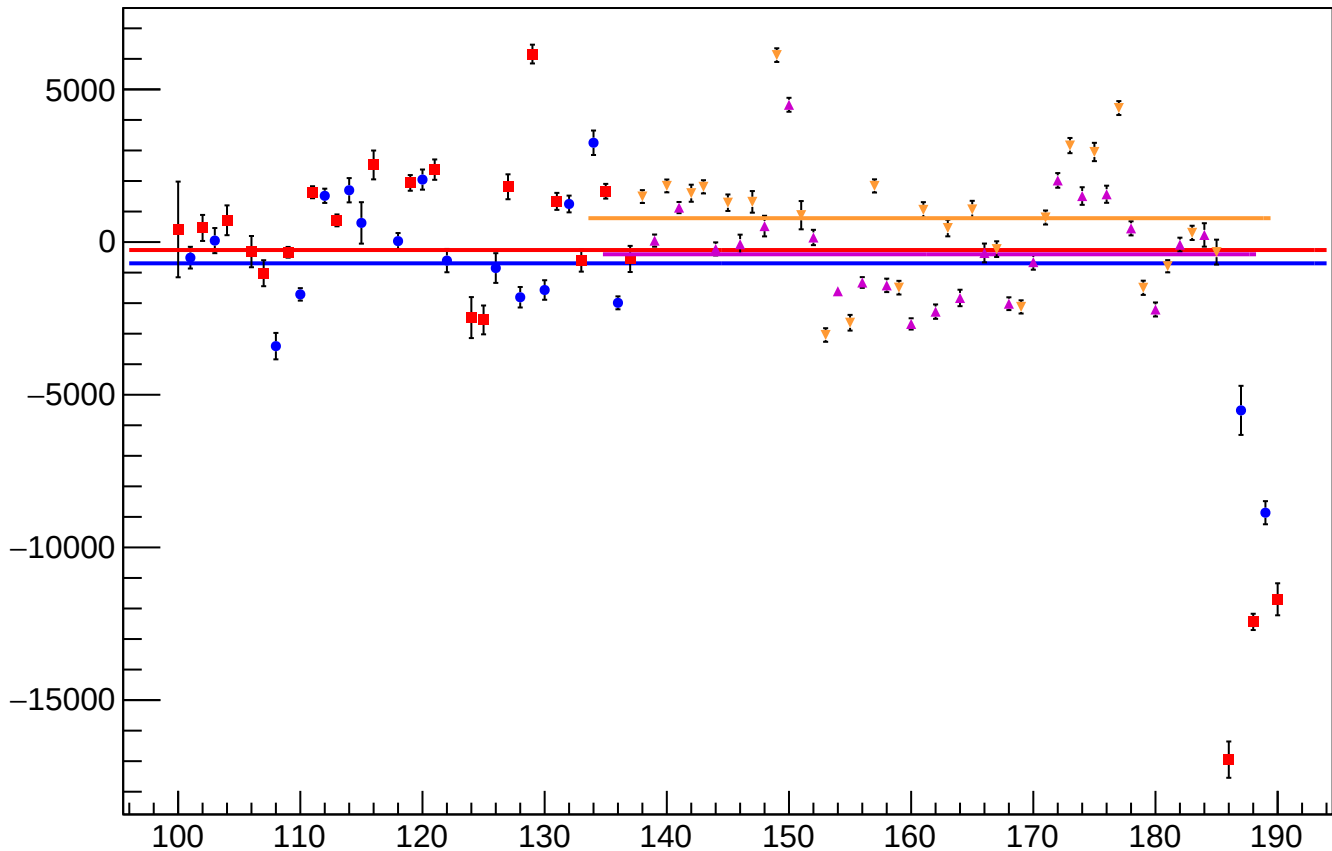
Left In: 201.446 $\pm$ 0.034 χ^2 /NDF:1061972.3/22

+ sign 211.303 $\pm$ 0.030 χ^2 /NDF: 2124805.6/42

All: 204.567 $\pm$ 0.020 χ^2 /NDF: 5328015.1/87

- sign 198.510 $\pm$ 0.028 χ^2 /NDF: 3104429.8/44

asym_bpm0l08WS_mean vs Slug



Right In: -696.069 ± 75.932 χ^2/NDF : 977.9/17

Left Out: 782.388 ± 49.199 χ^2/NDF : 2001.3/24

Right Out: -260.573 ± 67.433 χ^2/NDF : 4244.2/21

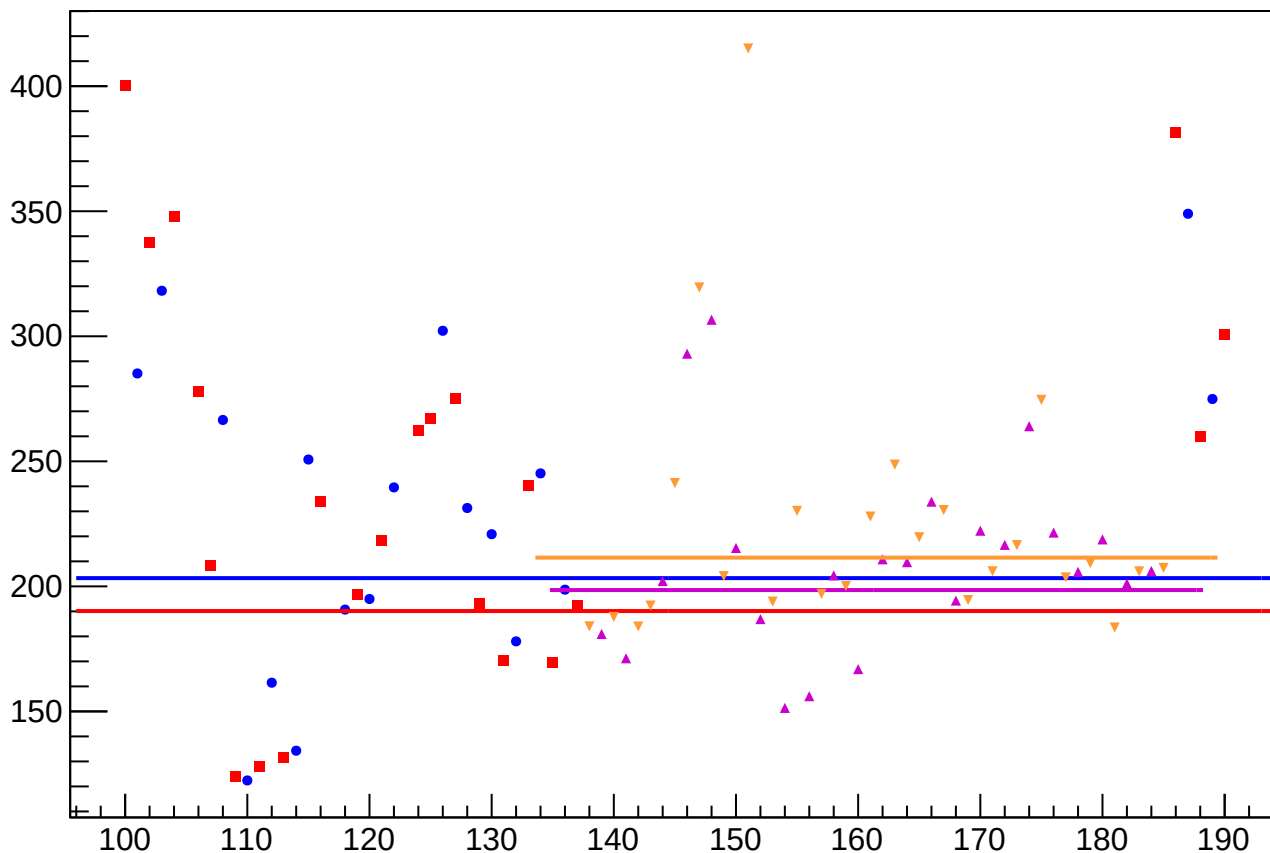
Left In: -399.798 ± 47.819 χ^2/NDF : 1232.0/22

+ sign 345.229 ± 41.290 χ^2/NDF : 3246.1/42

All: -23.833 ± 28.355 χ^2/NDF : 8876.3/87

- sign -353.213 ± 39.007 χ^2/NDF : 5479.0/44

asym_bpm0l08WS_rms vs Slug



Right In: 203.297 $\pm$ 0.054 χ^2 /NDF: 1056343.0/17

Left Out: 211.496 $\pm$ 0.035 χ^2 /NDF:934978.4/24

Right Out: 190.138 $\pm$ 0.048 χ^2 /NDF: 1905194.7/21

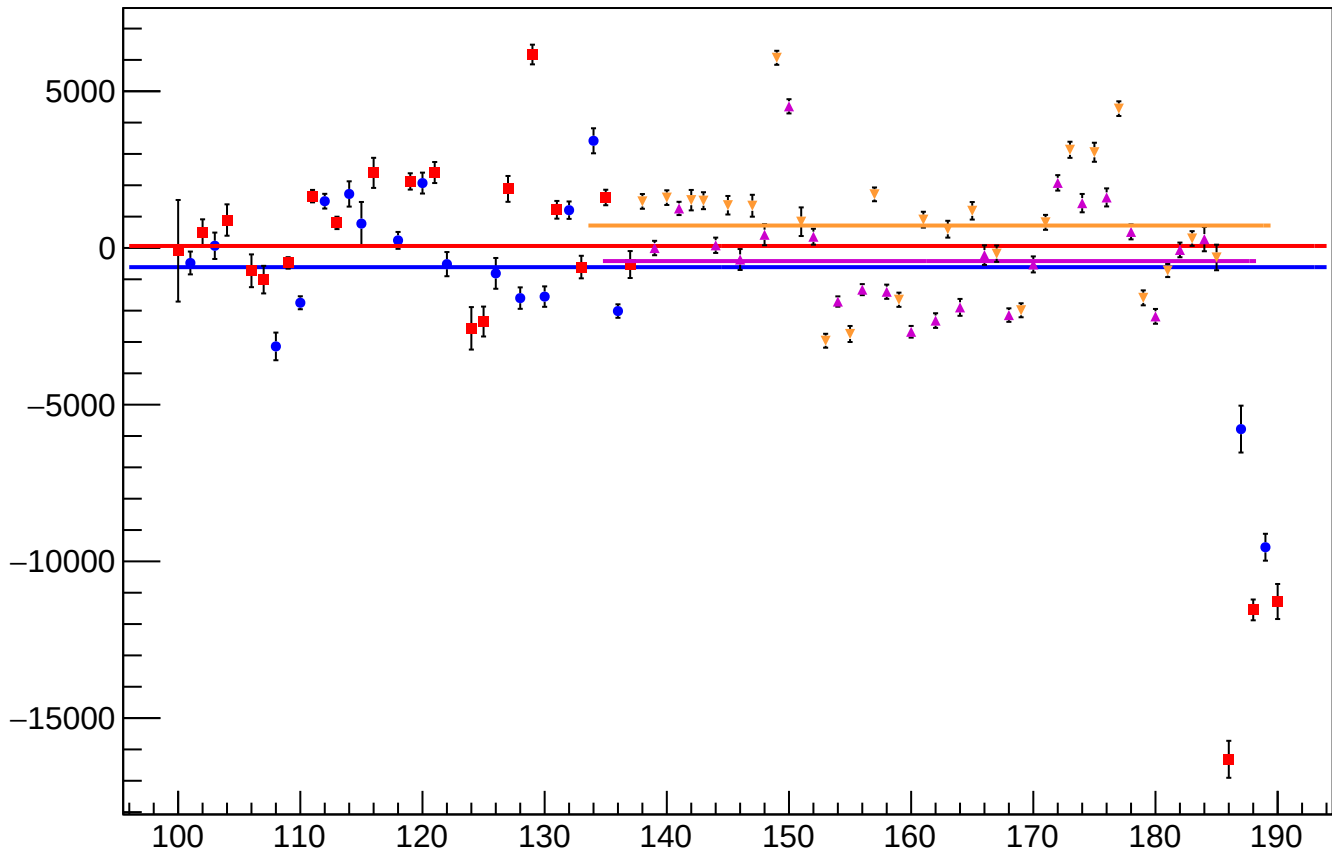
Left In: 198.524 $\pm$ 0.034 χ^2 /NDF:1006458.6/22

+ sign 209.071 $\pm$ 0.029 χ^2 /NDF: 2007743.7/42

All: 202.016 $\pm$ 0.020 χ^2 /NDF: 5050509.1/87

- sign 195.718 $\pm$ 0.028 χ^2 /NDF: 2932235.9/44

asym_bpm0l09WS_mean vs Slug



Right In: -612.521 ± 77.252 χ^2/NDF : 944.1/17

Left Out: 715.643 ± 51.110 χ^2/NDF : 1918.0/24

Right Out: 63.366 ± 69.498 χ^2/NDF : 3138.9/21

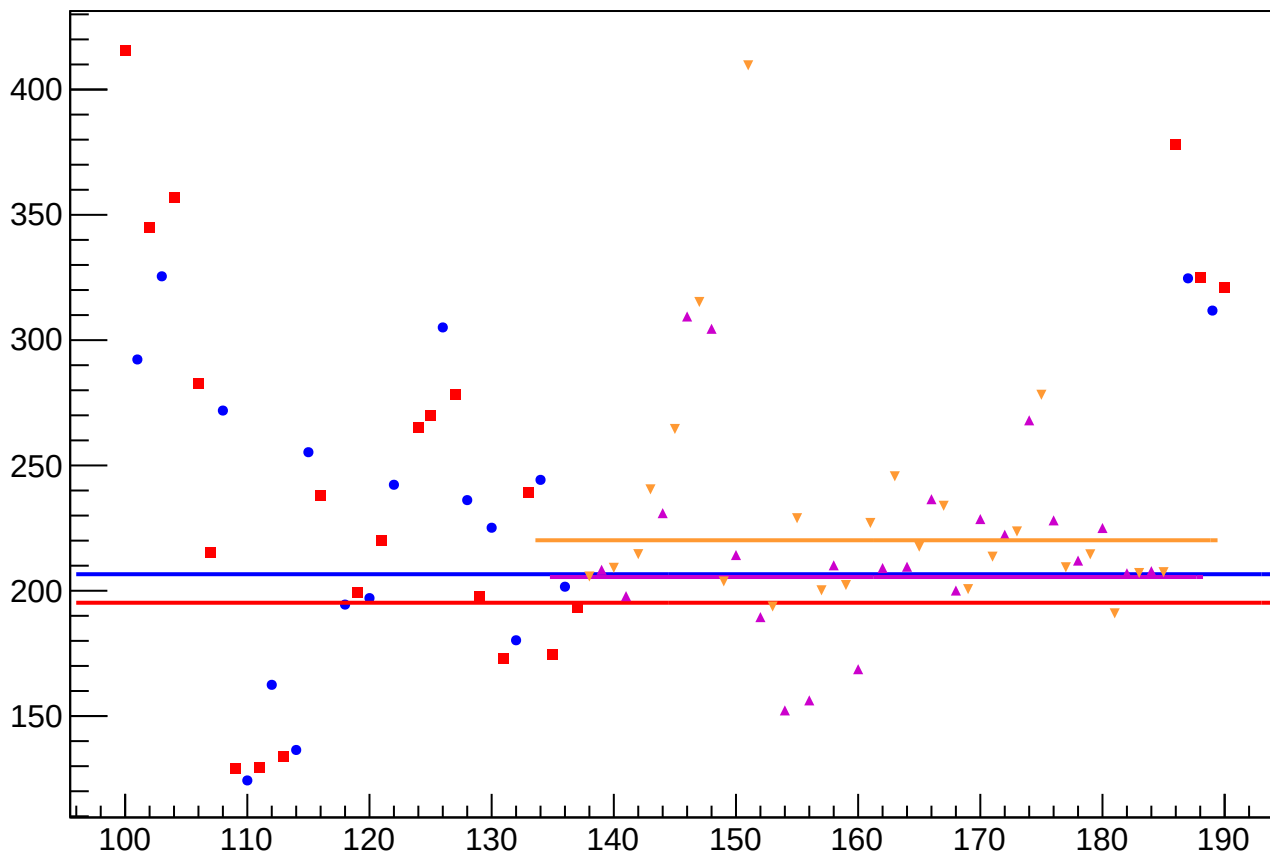
Left In: -418.574 ± 49.523 χ^2/NDF : 1241.0/22

+ sign 311.284 ± 42.625 χ^2/NDF : 3067.7/42

All: 11.823 ± 29.296 χ^2/NDF : 7573.0/87

- sign -256.271 ± 40.331 χ^2/NDF : 4411.8/44

asym_bpm0l09WS_rms vs Slug



Right In: 206.599 $\pm$ 0.055 χ^2 /NDF: 1102089.3/17

Left Out: 220.145 $\pm$ 0.036 χ^2 /NDF: 799699.4/24

Right Out: 195.215 $\pm$ 0.049 χ^2 /NDF: 2048788.5/21

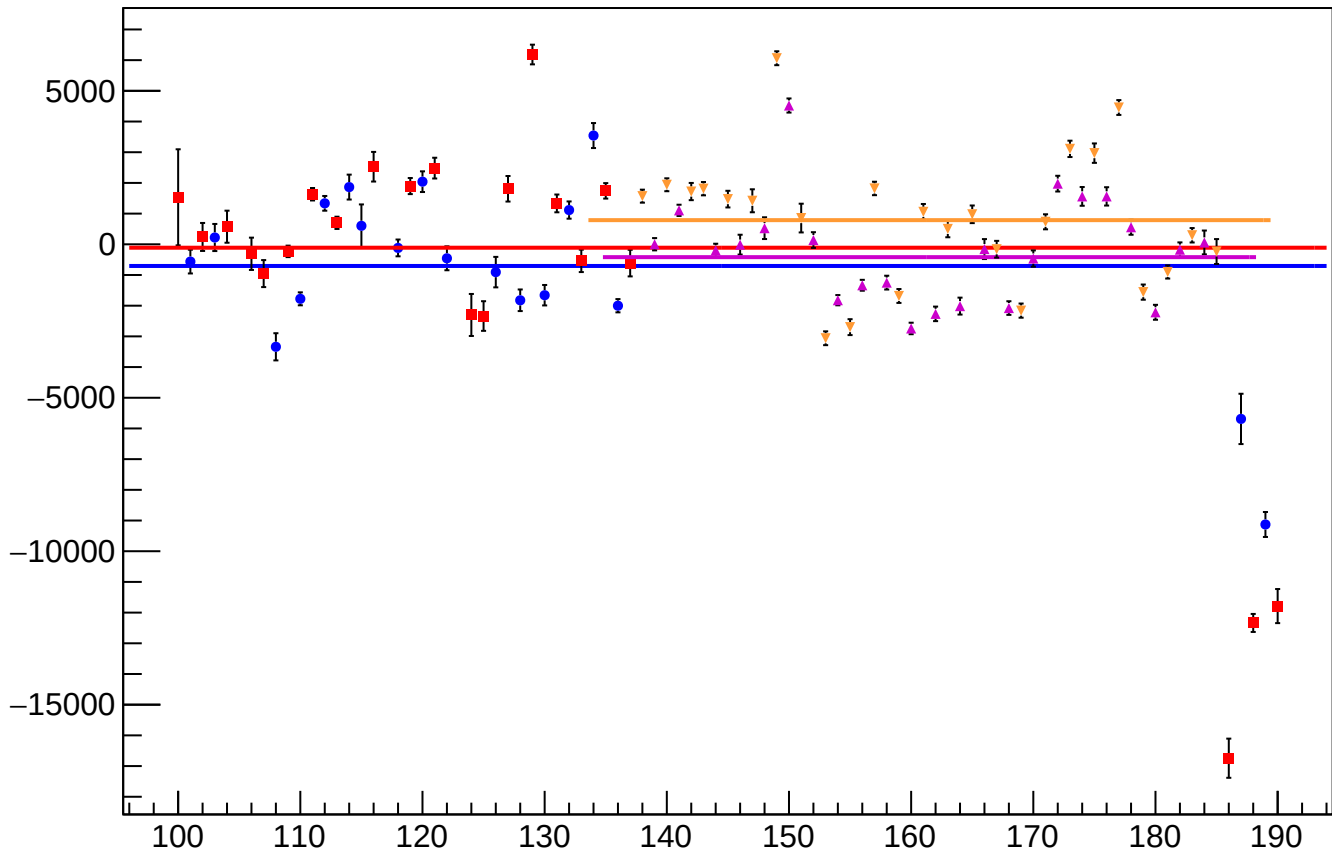
Left In: 205.481 $\pm$ 0.035 χ^2 /NDF: 1013965.4/22

+ sign 216.021 $\pm$ 0.030 χ^2 /NDF: 1944562.7/42

All: 208.636 $\pm$ 0.021 χ^2 /NDF: 5150048.0/87

- sign 202.024 $\pm$ 0.029 χ^2 /NDF: 3091701.0/44

asym_bpm0l10WS_mean vs Slug



Right In: -705.952 ± 78.481 χ^2/NDF : 923.9/17

Left Out: 786.922 ± 50.524 χ^2/NDF : 1937.6/24

Right Out: -111.167 ± 70.203 χ^2/NDF : 3621.6/21

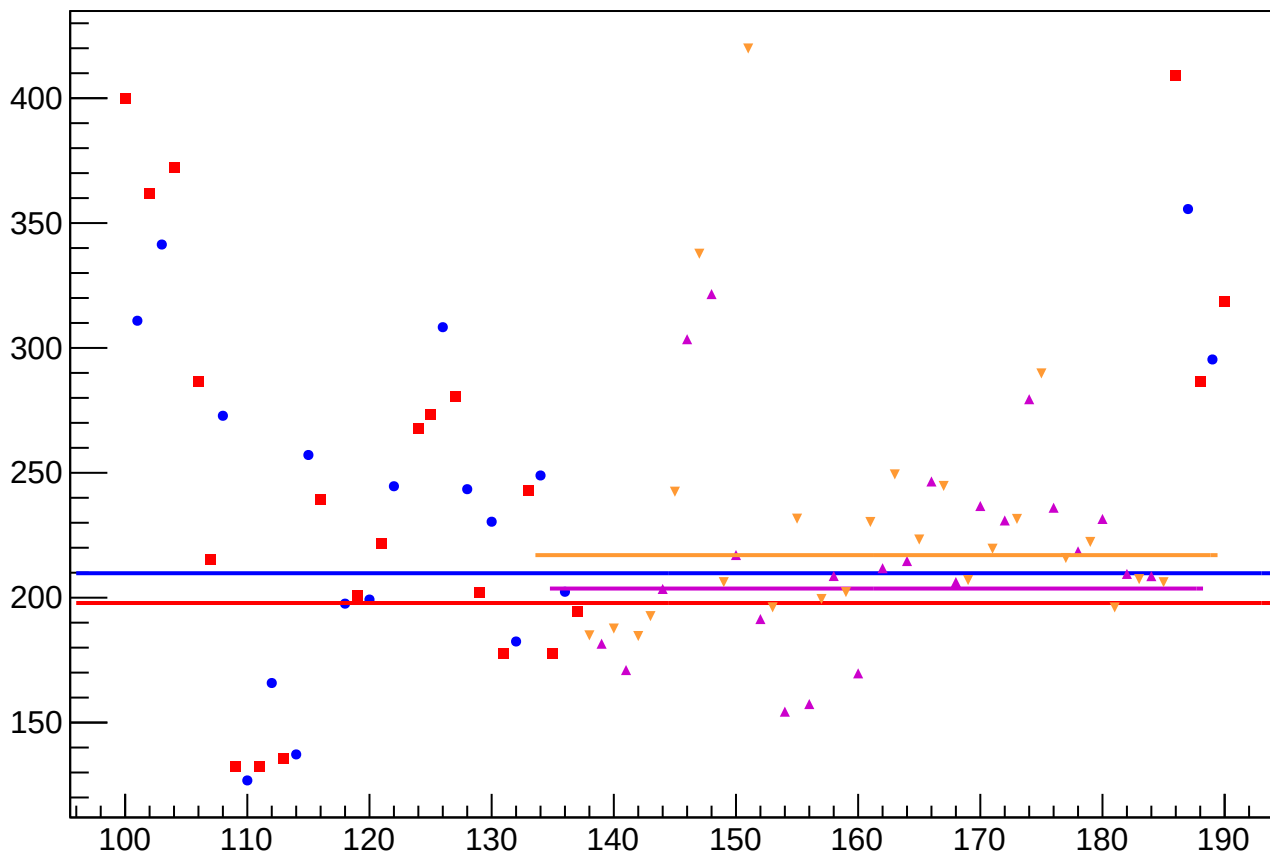
Left In: -418.824 ± 49.152 χ^2/NDF : 1211.0/22

+ sign 349.500 ± 42.482 χ^2/NDF : 3117.3/42

All: -1.929 ± 29.224 χ^2/NDF : 8092.6/87

- sign -317.622 ± 40.264 χ^2/NDF : 4845.4/44

asym_bpm0l10WS_rms vs Slug



Right In: 209.795 $\pm$ 0.055 χ^2 /NDF: 1121840.1/17

Left Out: 217.040 $\pm$ 0.036 χ^2 /NDF: 983170.6/24

Right Out: 197.870 $\pm$ 0.050 χ^2 /NDF: 1946521.5/21

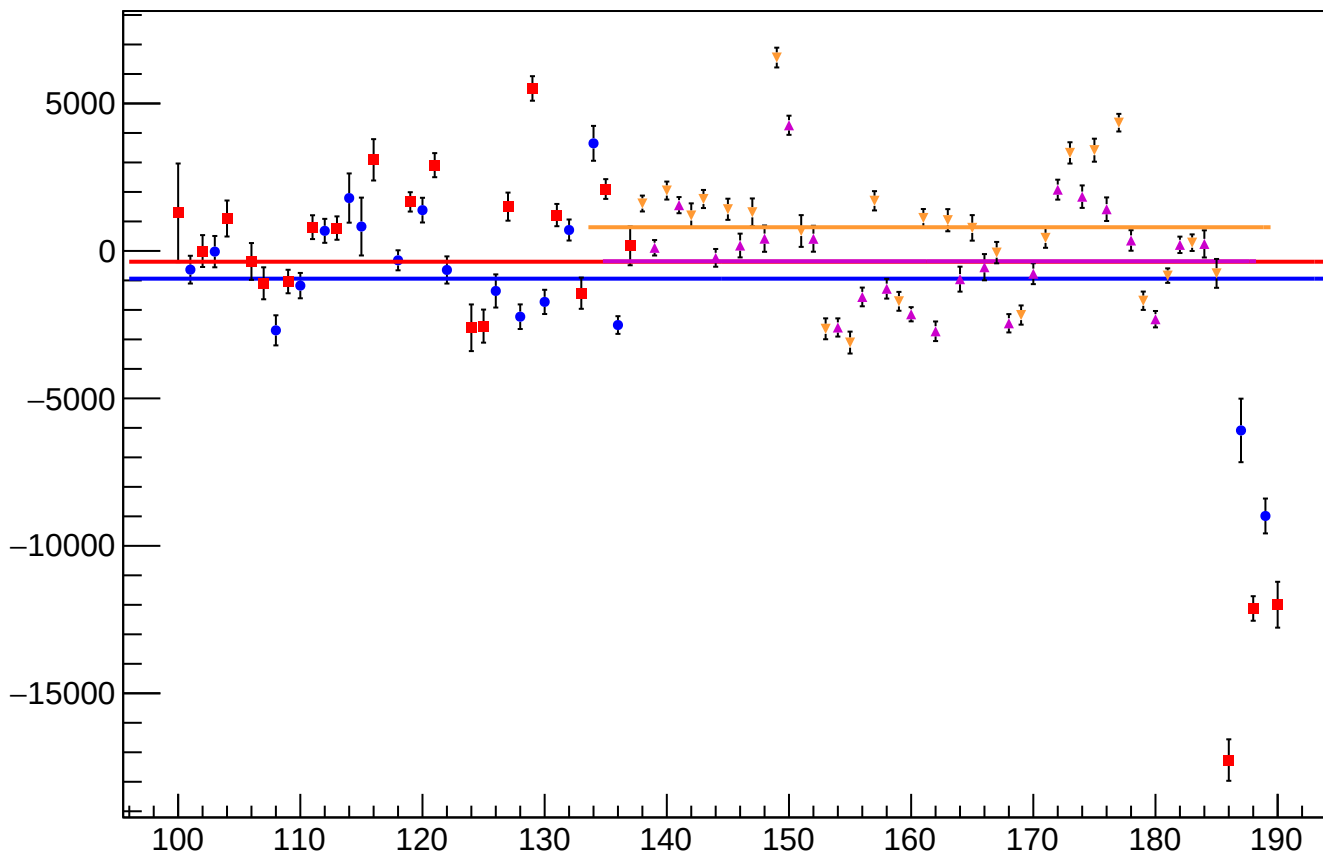
Left In: 203.660 $\pm$ 0.035 χ^2 /NDF: 1165334.8/22

+ sign 214.917 $\pm$ 0.030 χ^2 /NDF: 2117061.4/42

All: 207.984 $\pm$ 0.021 χ^2 /NDF: 5339171.2/87

- sign 201.756 $\pm$ 0.028 χ^2 /NDF: 3120984.0/44

asym_bpm0r03WS_mean vs Slug



Right In: -940.461 ± 108.250 χ^2/NDF : 411.0/17

Left Out: 803.752 ± 67.693 χ^2/NDF : 1057.7/24

Right Out: -365.827 ± 102.729 χ^2/NDF : 2067.8/21

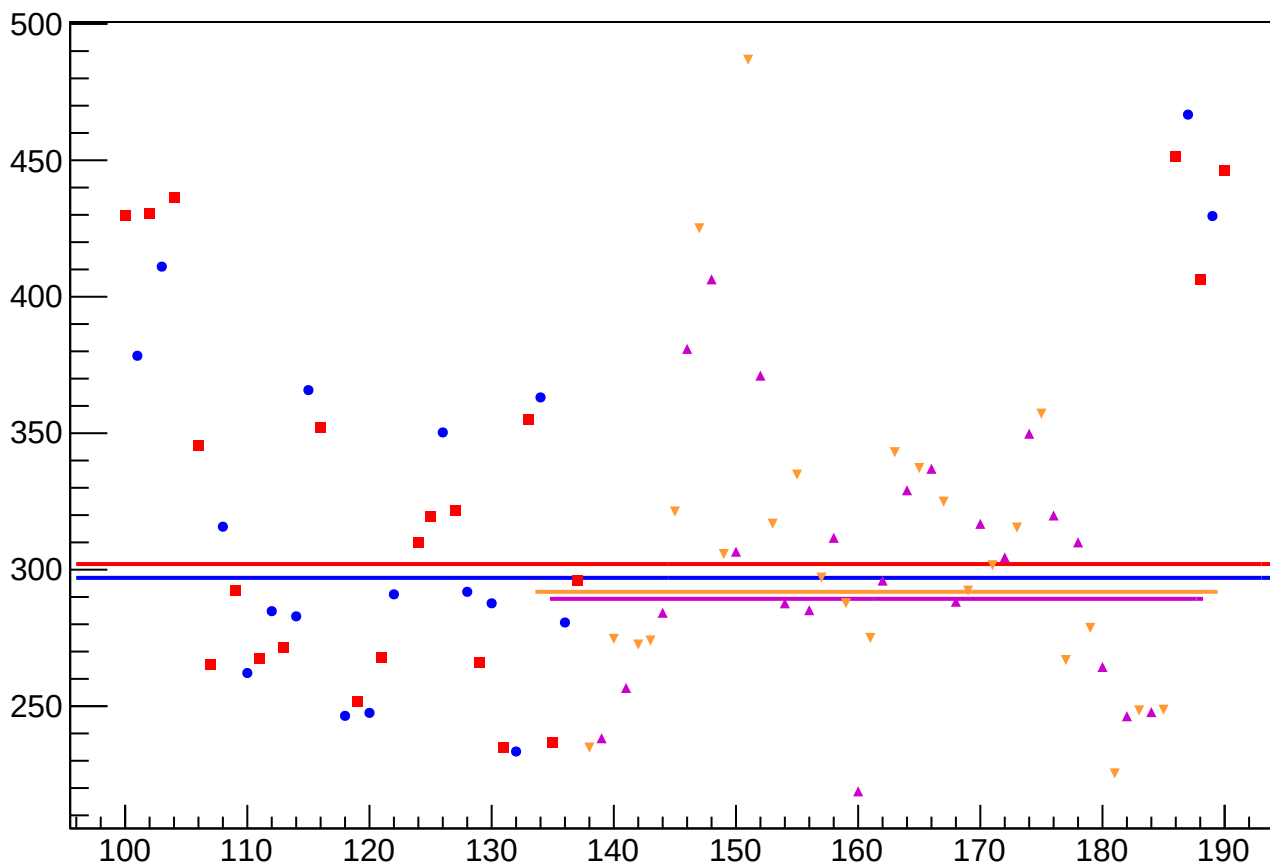
Left In: -350.095 ± 68.985 χ^2/NDF : 656.1/22

+ sign 313.422 ± 57.395 χ^2/NDF : 1655.3/42

All: -21.508 ± 40.540 χ^2/NDF : 4447.1/87

- sign -354.984 ± 57.270 χ^2/NDF : 2723.9/44

asym_bpm0r03WS_rms vs Slug



Right In: 297.009 $\pm$ 0.077 χ^2 /NDF: 516849.9/17

Left Out: 291.882 $\pm$ 0.048 χ^2 /NDF: 959919.3/24

Right Out: 302.069 $\pm$ 0.073 χ^2 /NDF: 804083.0/21

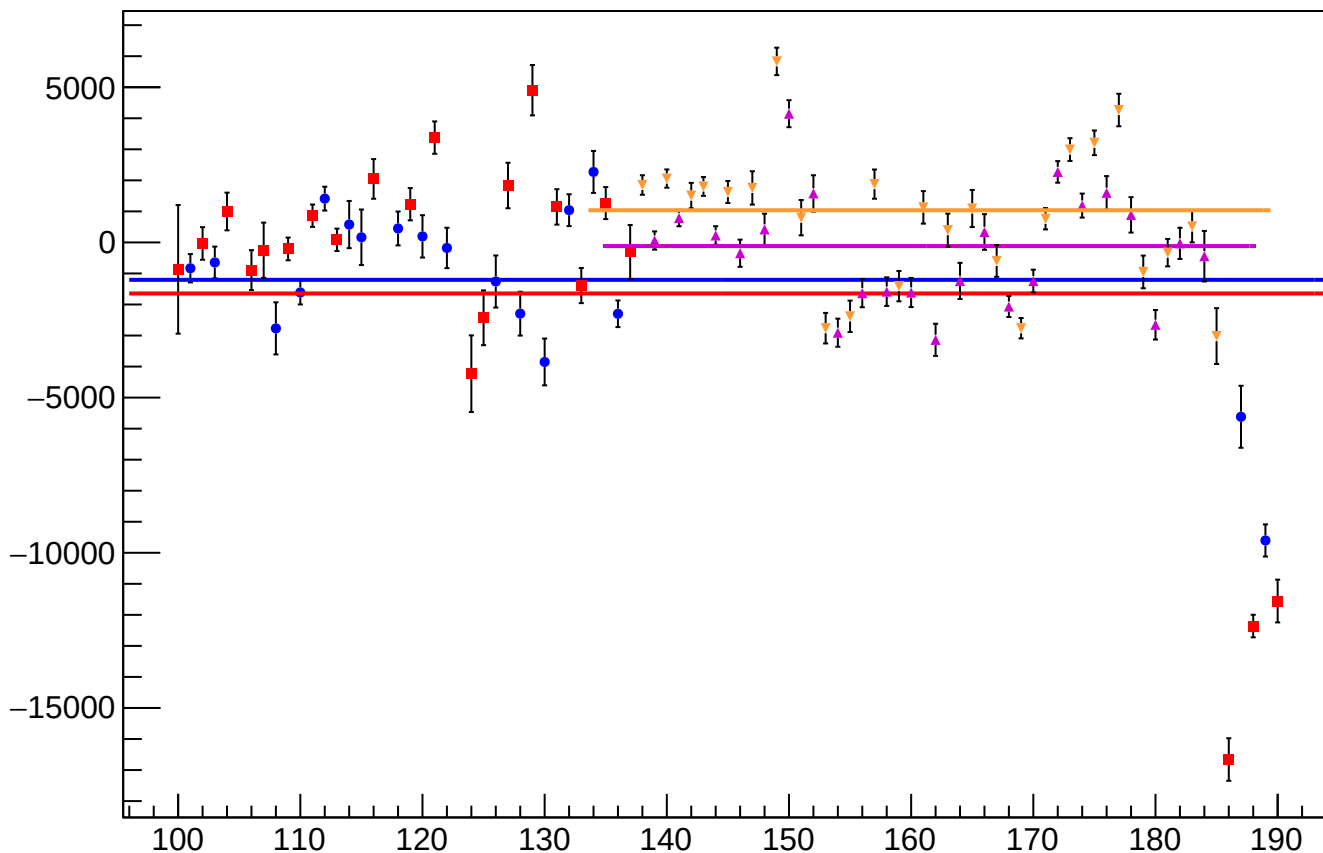
Left In: 289.321 $\pm$ 0.049 χ^2 /NDF: 808605.3/22

+ sign 293.323 $\pm$ 0.041 χ^2 /NDF: 1479993.6/42

All: 293.303 $\pm$ 0.029 χ^2 /NDF: 3113908.8/87

- sign 293.283 $\pm$ 0.040 χ^2 /NDF: 1633914.8/44

asym_bpm0r05WS_mean vs Slug



Right In: -1205.285 ± 133.974 $\chi^2/\text{NDF}: 426.1/17$

Left Out: 1037.330 ± 85.200 $\chi^2/\text{NDF}: 570.2/24$

Right Out: -1644.608 ± 118.394 $\chi^2/\text{NDF}: 1983.9/21$

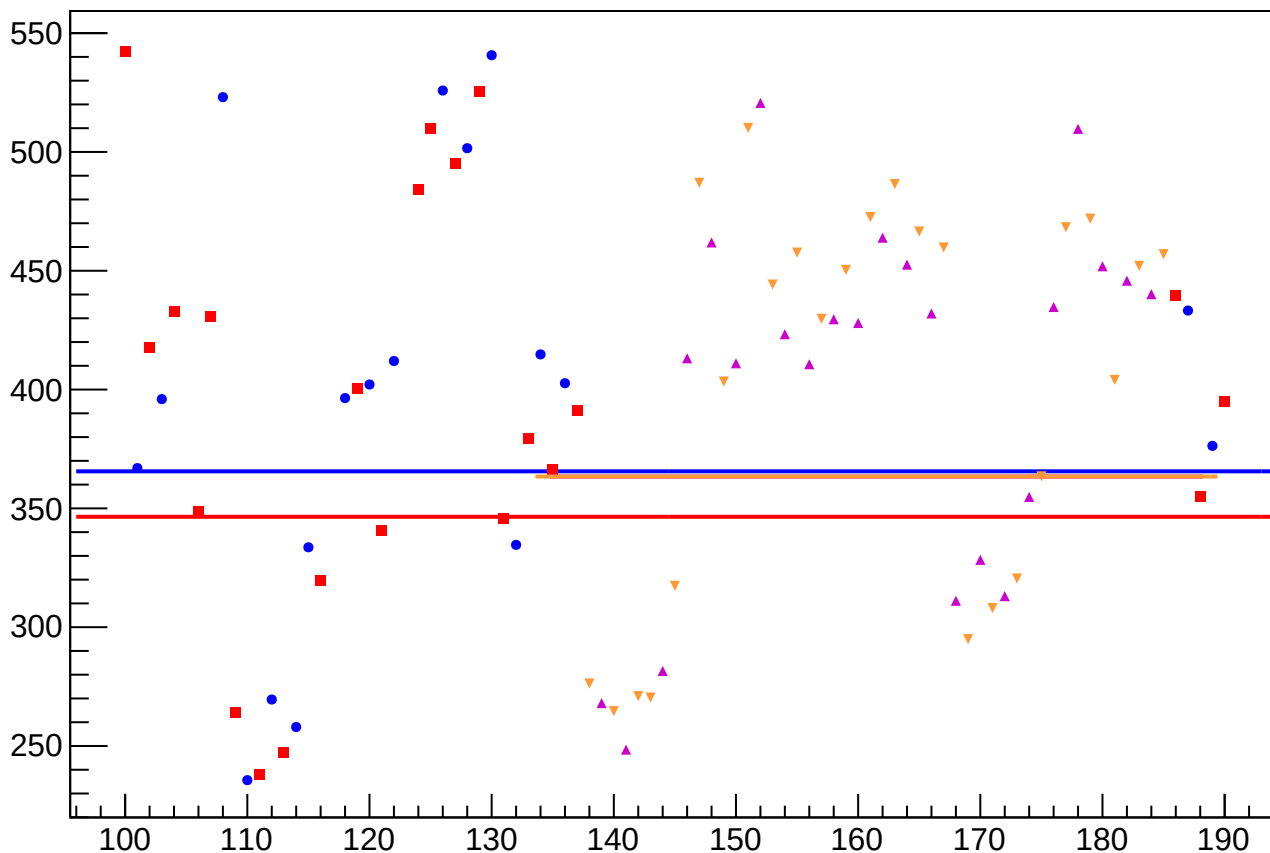
Left In: -117.211 ± 87.461 $\chi^2/\text{NDF}: 370.4/22$

+ sign 391.534 ± 71.894 $\chi^2/\text{NDF}: 1195.8/42$

All: -143.853 ± 50.281 $\chi^2/\text{NDF}: 3766.2/87$

- sign -656.462 ± 70.348 $\chi^2/\text{NDF}: 2461.9/44$

asym_bpm0r05WS_rms vs Slug



Right In: 365.587 $\pm$ 0.095 χ^2 /NDF: 791388.9/17

Left Out: 363.387 $\pm$ 0.060 χ^2 /NDF:1940497.4/24

Right Out: 346.457 $\pm$ 0.084 χ^2 /NDF: 908615.8/21

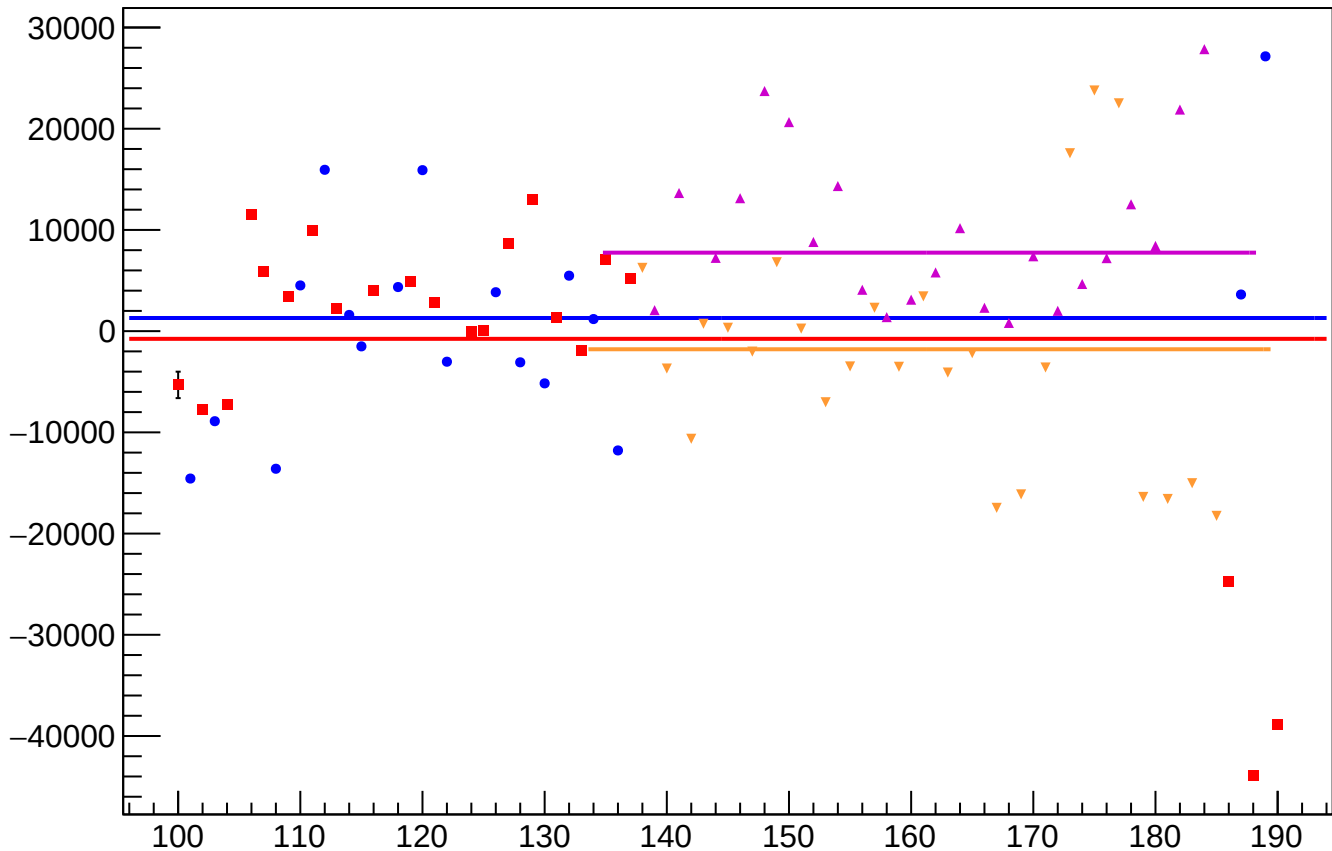
Left In: 363.386 $\pm$ 0.062 χ^2 /NDF:1711599.2/22

+ sign 364.020 $\pm$ 0.051 χ^2 /NDF: 2732270.2/42

All: 360.643 $\pm$ 0.036 χ^2 /NDF: 5387581.7/87

- sign 357.409 $\pm$ 0.050 χ^2 /NDF: 2646671.5/44

asym_bpm0i02WS_mean vs Slug



Right In: 1299.336+/-52.520 χ^2/NDF : 42067.2/17

Left Out: -1790.289+/-40.910 χ^2/NDF : 65745.9/24

Right Out: -759.967+/-48.694 χ^2/NDF : 97767.8/21

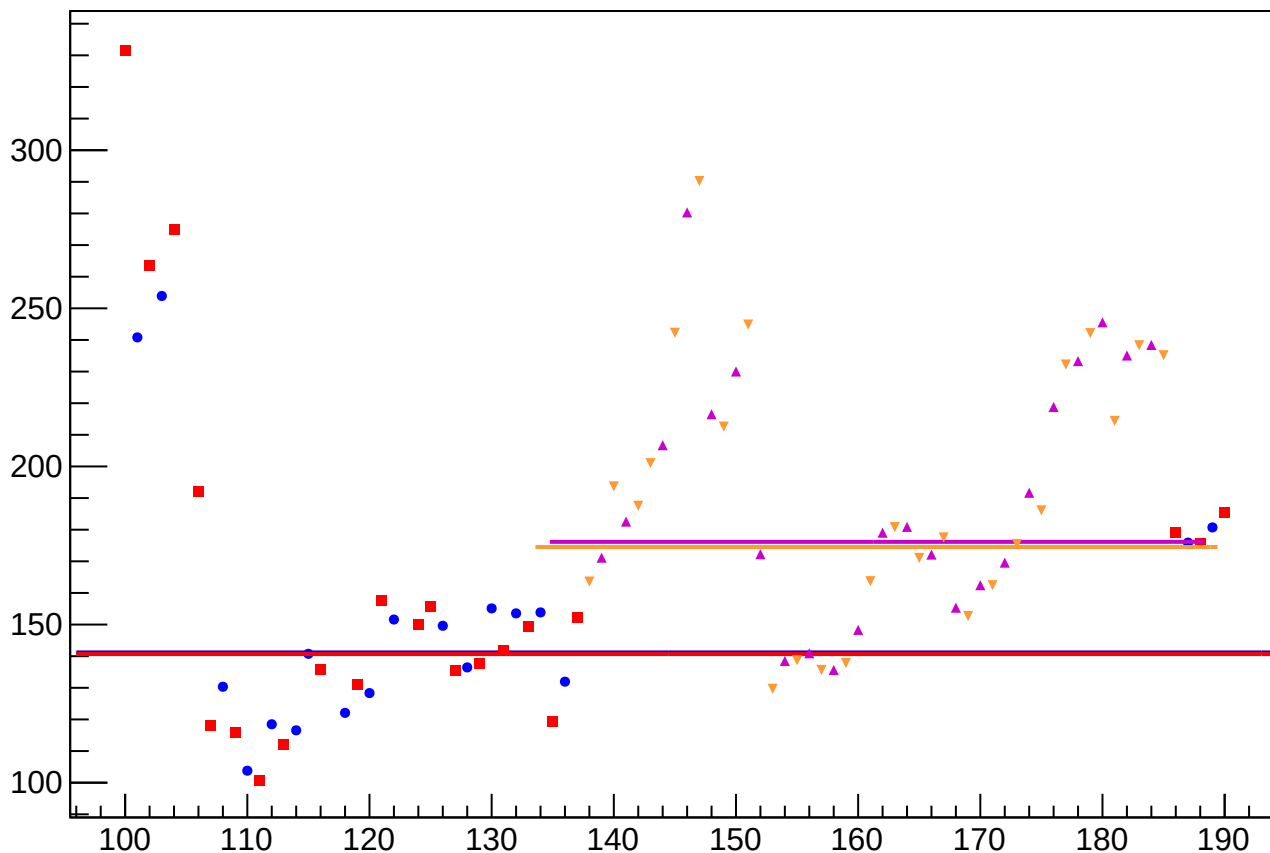
Left In: 7754.468+/-42.571 χ^2/NDF : 23278.0/22

+ sign -623.562+/-32.274 χ^2/NDF : 109967.0/42

All: 1737.540+/-22.742 χ^2/NDF : 258972.0/87

- sign 4065.949+/-32.050 χ^2/NDF : 138375.0/44

asym_bpm0i02WS_rms vs Slug



Right In: 141.194+/-0.037 χ^2/NDF : 726736.7/17

Left Out: 174.520+/-0.029 χ^2/NDF : 1659469.6/24

Right Out: 140.670+/-0.034 χ^2/NDF : 1063140.3/21

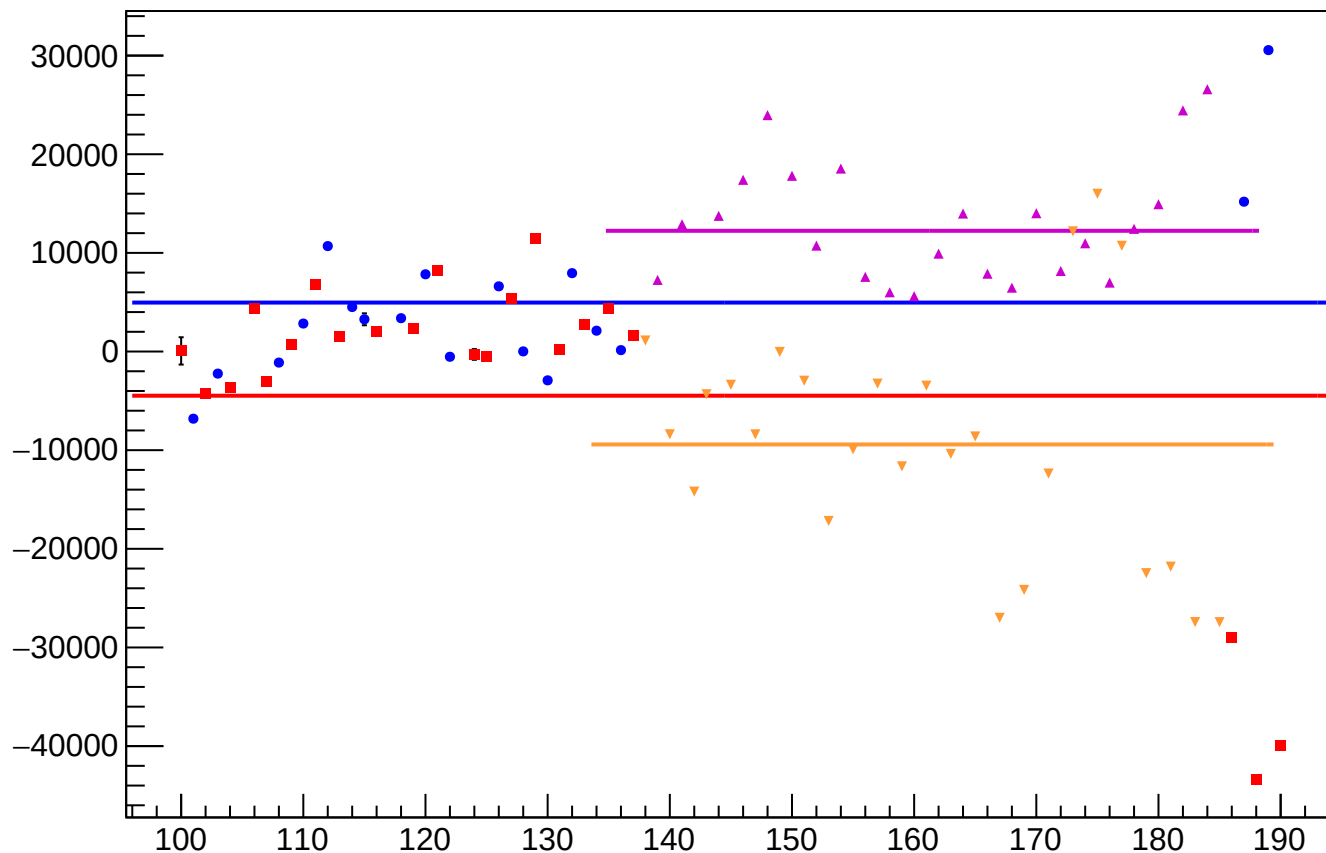
Left In: 176.155+/-0.030 χ^2/NDF : 1367059.2/22

+ sign 161.935+/-0.023 χ^2/NDF : 2887423.3/42

All: 161.355+/-0.016 χ^2/NDF : 5920859.7/87

- sign 160.783+/-0.023 χ^2/NDF : 3032151.8/44

asym_bpm0i02aWS_mean vs Slug



Right In: 4962.812+/-65.992 χ^2/NDF : 16416.3/17

Left Out: -9420.181+/-45.698 χ^2/NDF : 64719.0/24

Right Out: -4478.347+/-59.189 χ^2/NDF : 80042.8/21

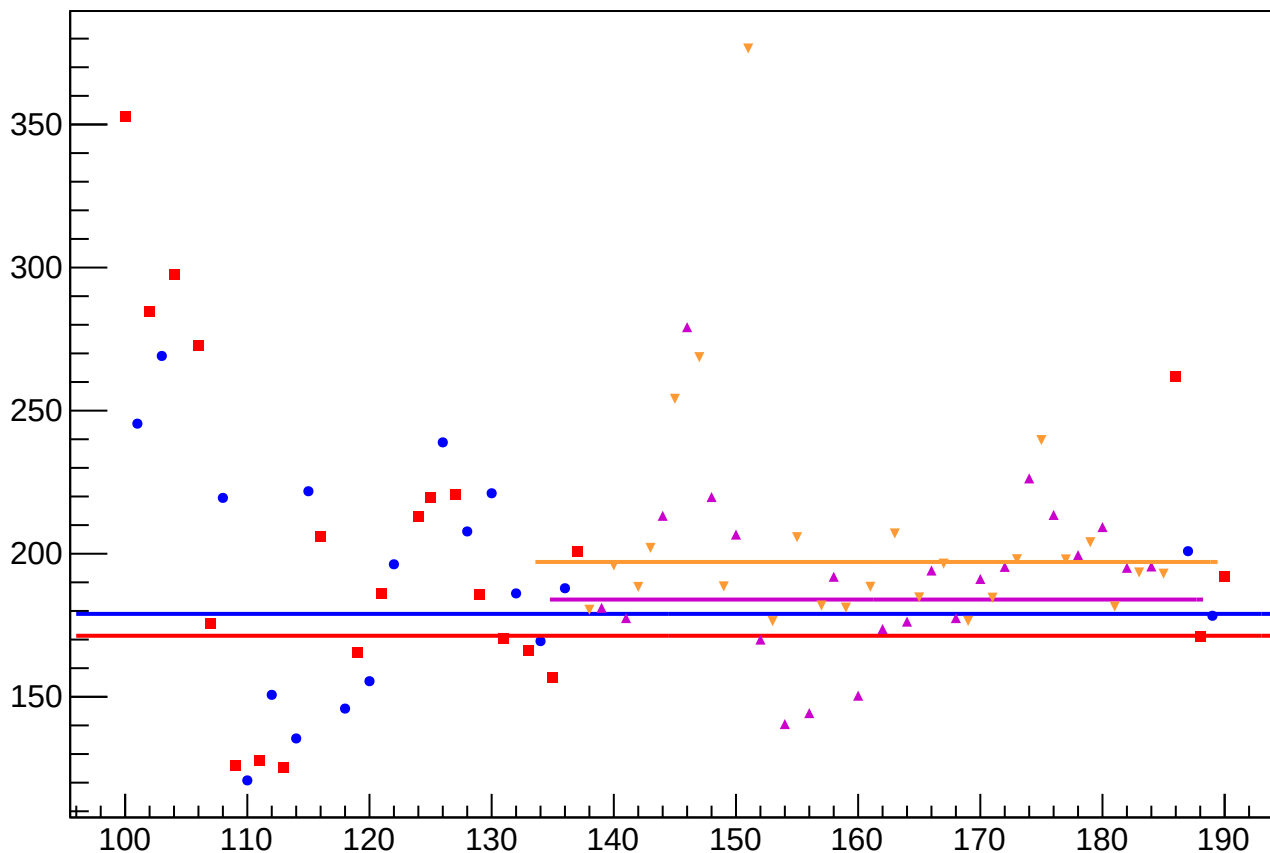
Left In: 12238.678+/-44.195 χ^2/NDF : 16015.8/22

+ sign -4758.572+/-37.570 χ^2/NDF : 113241.8/42

All: 1073.294+/-25.769 χ^2/NDF : 306020.4/87

- sign 6254.681+/-35.412 χ^2/NDF : 147274.3/44

asym_bpm0i02aWS_rms vs Slug



Right In: 178.979 ± 0.047 $\chi^2/\text{NDF}: 679142.2/17$

Left Out: 197.122 ± 0.032 $\chi^2/\text{NDF}: 732529.8/24$

Right Out: 171.332 ± 0.042 $\chi^2/\text{NDF}: 1089449.9/21$

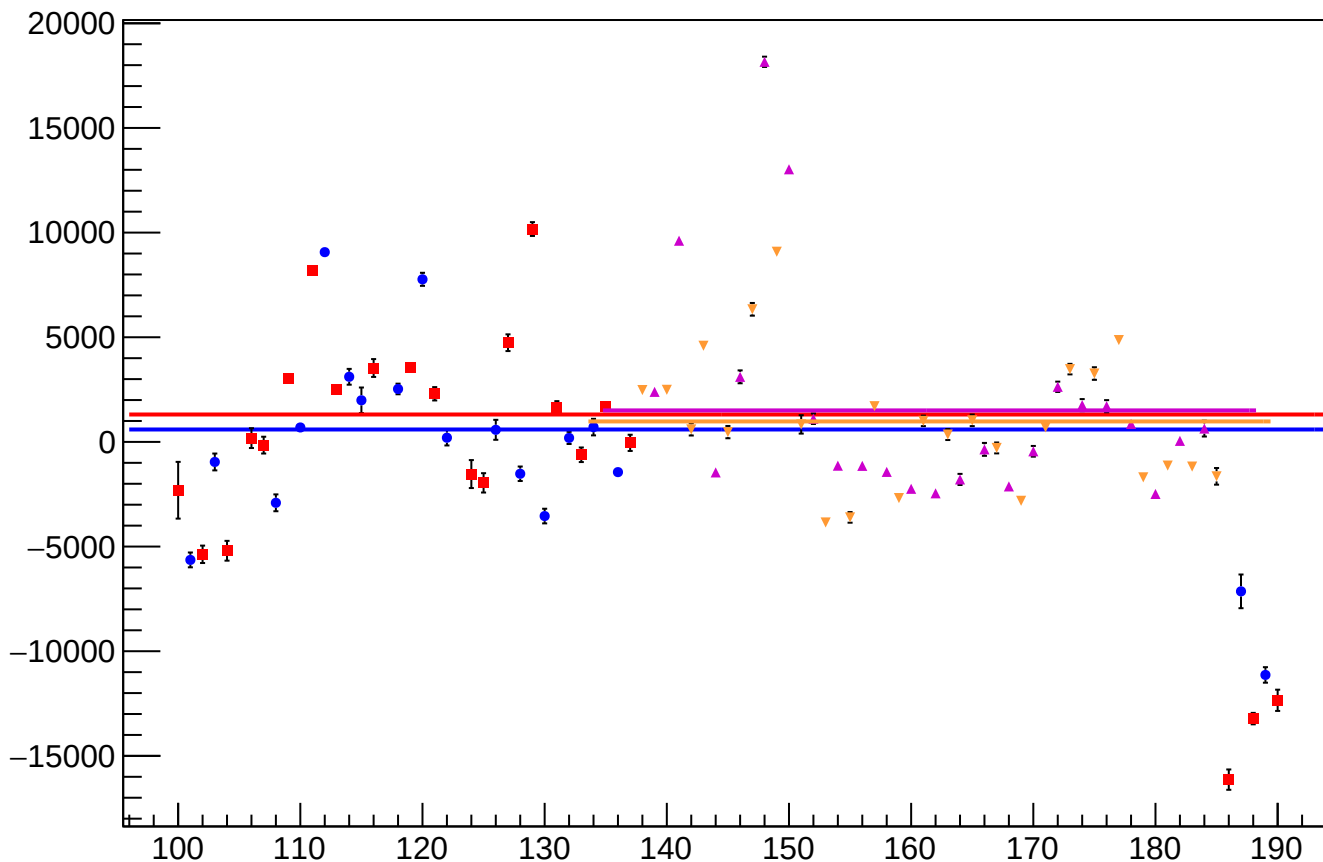
Left In: 183.985 ± 0.031 $\chi^2/\text{NDF}: 829778.1/22$

+ sign 191.242 ± 0.027 $\chi^2/\text{NDF}: 1513846.0/42$

All: 185.001 ± 0.018 $\chi^2/\text{NDF}: 3595992.1/87$

- sign 179.456 ± 0.025 $\chi^2/\text{NDF}: 1977915.6/44$

asym_bpm0i05WS_mean vs Slug



Right In: 593.430 ± 74.097 $\chi^2/\text{NDF}: 3801.1/17$

Left Out: 978.429 ± 49.607 $\chi^2/\text{NDF}: 4322.9/24$

Right Out: 1309.587 ± 65.842 $\chi^2/\text{NDF}: 7778.0/21$

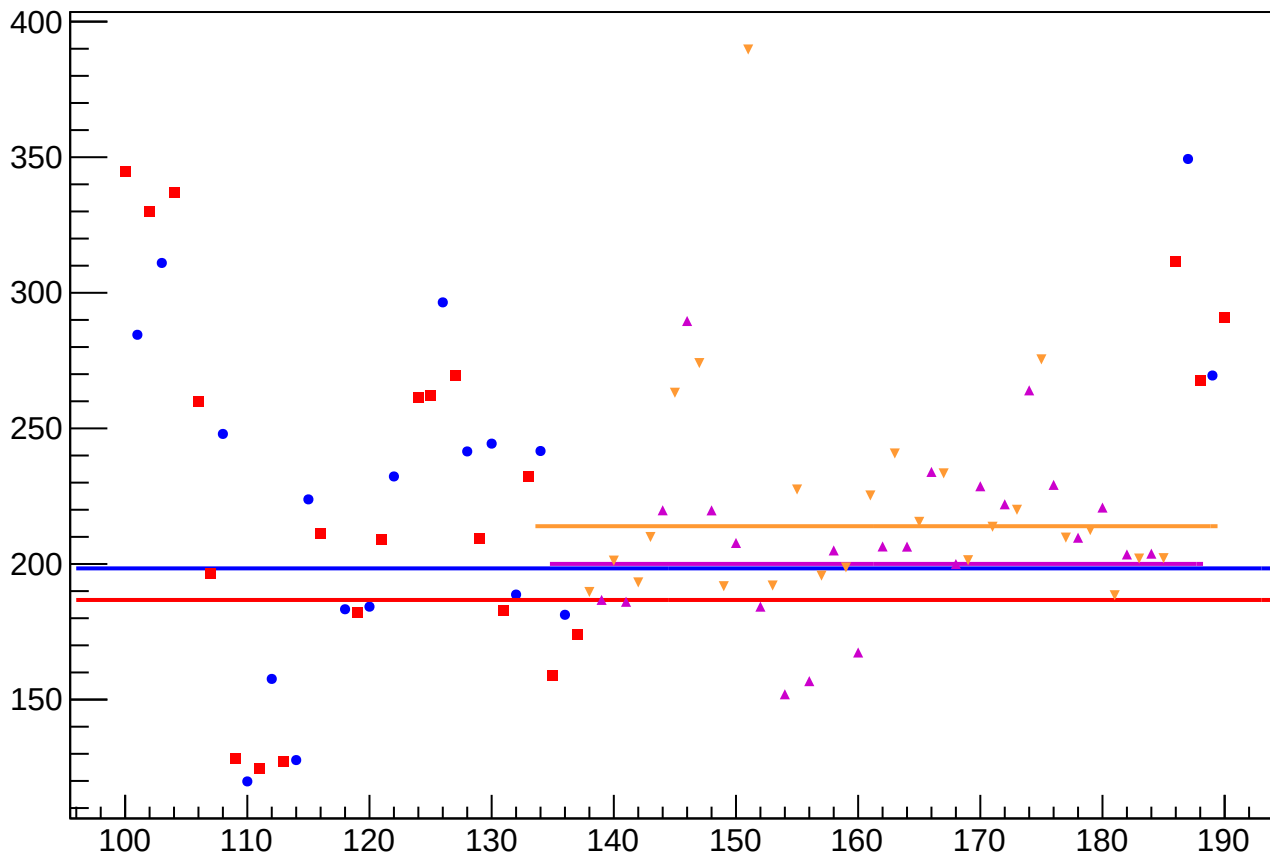
Left In: 1505.093 ± 48.051 $\chi^2/\text{NDF}: 11480.6/22$

+ sign 859.275 ± 41.222 $\chi^2/\text{NDF}: 8142.7/42$

All: 1165.584 ± 28.258 $\chi^2/\text{NDF}: 27511.3/87$

- sign 1437.153 ± 38.814 $\chi^2/\text{NDF}: 19264.4/44$

asym_bpm0i05WS_rms vs Slug



Right In: 198.378+/-0.052 χ^2/NDF : 1116126.6/17

Left Out: 213.931+/-0.035 χ^2/NDF : 733638.6/24

Right Out: 186.731+/-0.047 χ^2/NDF : 1788390.8/21

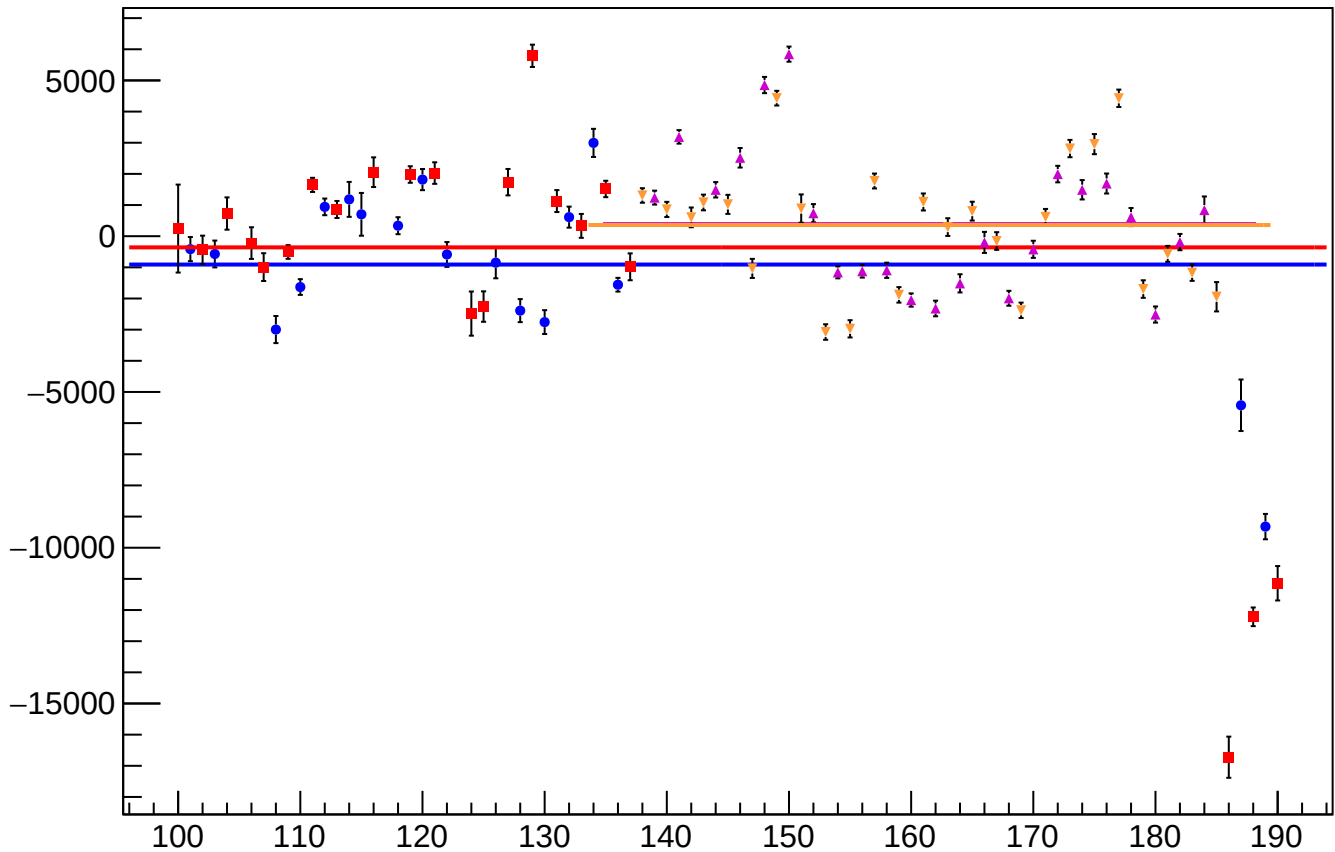
Left In: 200.031+/-0.034 χ^2/NDF : 785525.4/22

+ sign 209.118+/-0.029 χ^2/NDF : 1910607.5/42

All: 201.851+/-0.020 χ^2/NDF : 4655014.8/87

- sign 195.409+/-0.027 χ^2/NDF : 2627160.0/44

asym_bpm0i07WS_mean vs Slug



Right In: -910.092 ± 84.343 χ^2/NDF : 786.6/17

Left Out: 358.680 ± 54.992 χ^2/NDF : 1418.9/24

Right Out: -358.685 ± 76.847 χ^2/NDF : 3235.4/21

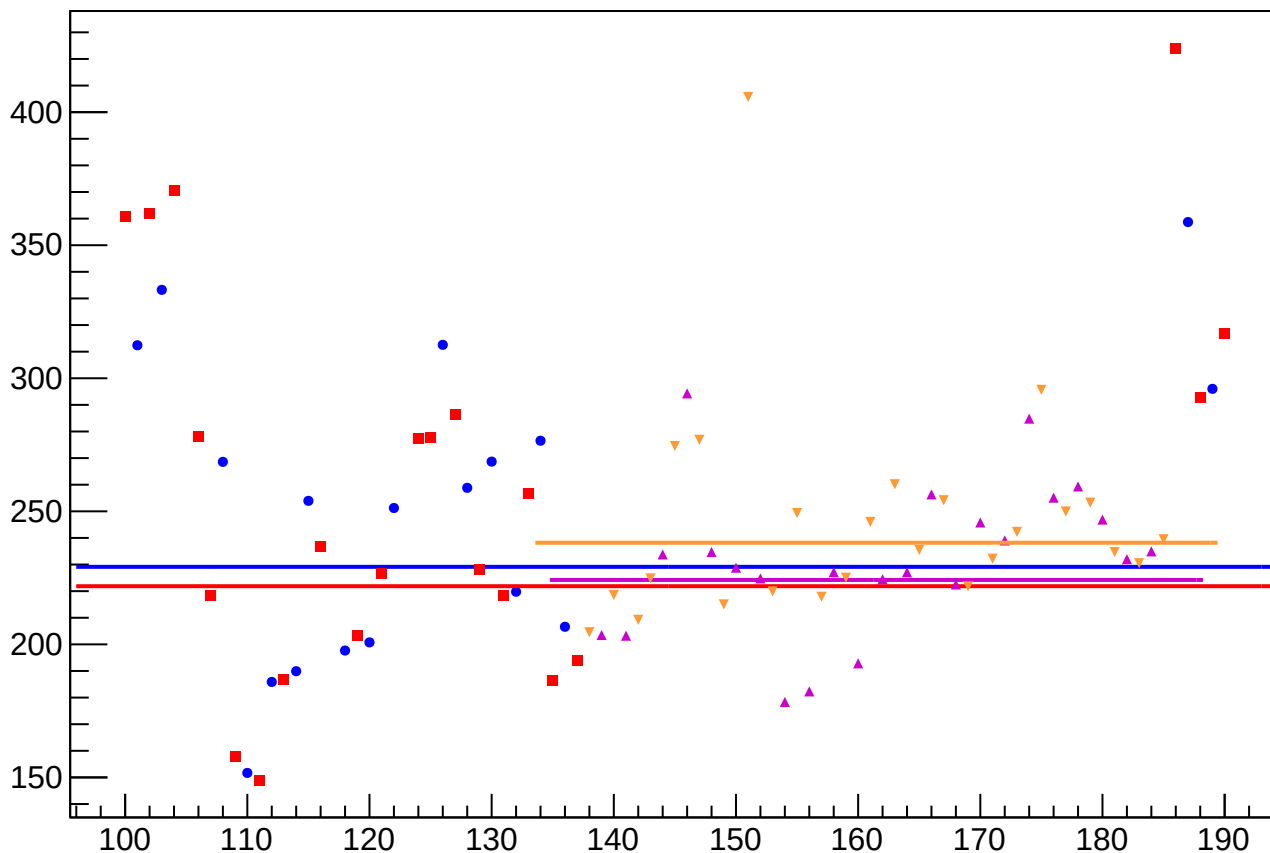
Left In: 386.941 ± 53.528 χ^2/NDF : 1804.2/22

+ sign -19.789 ± 46.065 χ^2/NDF : 2364.3/42

All: 65.665 ± 31.789 χ^2/NDF : 7473.8/87

- sign 143.355 ± 43.923 χ^2/NDF : 5103.0/44

asym_bpm0i07WS_rms vs Slug



Right In: 229.138 $\pm$ 0.060 χ^2 /NDF: 761567.8/17

Left Out: 238.199 $\pm$ 0.039 χ^2 /NDF: 567935.3/24

Right Out: 221.858 $\pm$ 0.054 χ^2 /NDF: 1323723.9/21

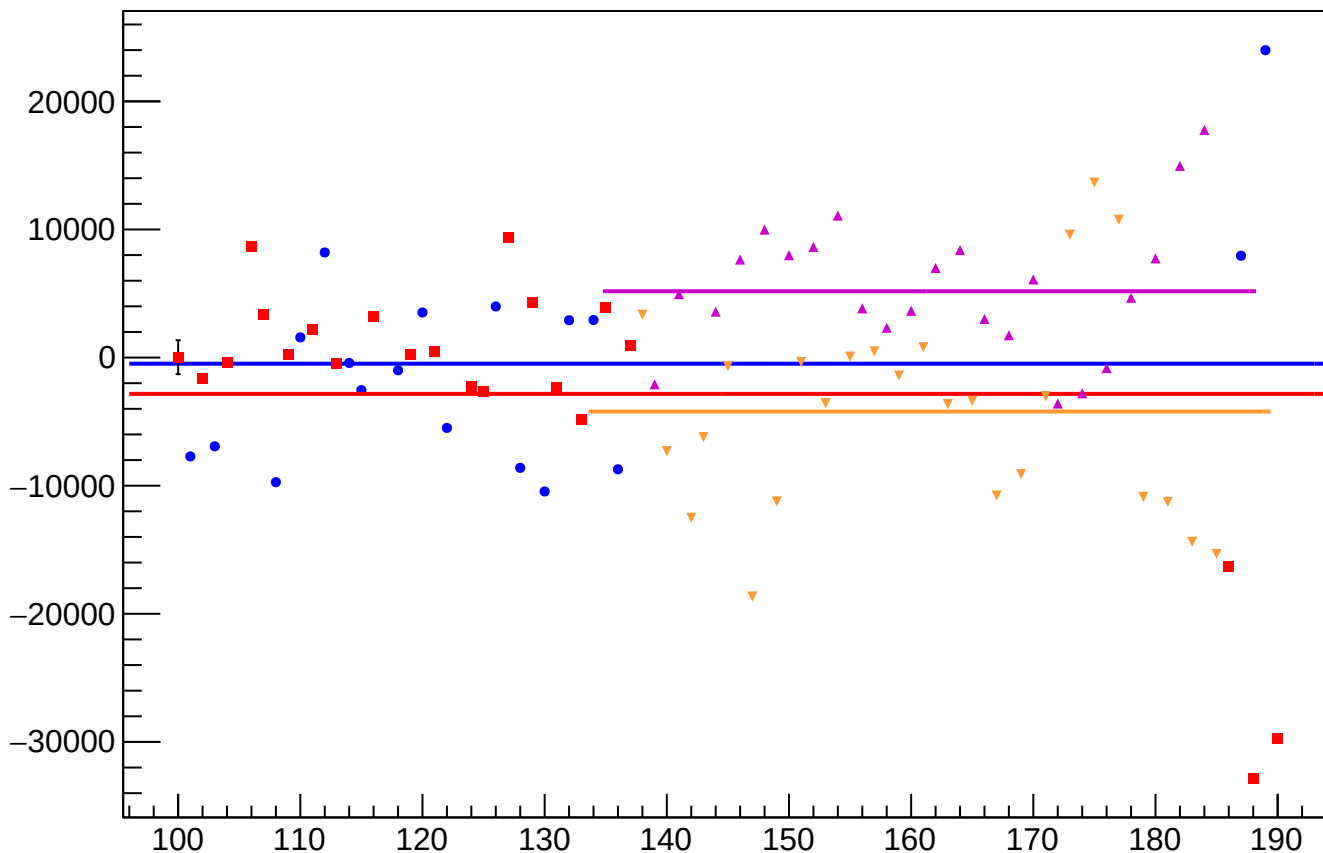
Left In: 224.212 $\pm$ 0.038 χ^2 /NDF: 563231.1/22

+ sign 235.496 $\pm$ 0.033 χ^2 /NDF: 1345701.0/42

All: 229.183 $\pm$ 0.022 χ^2 /NDF: 3305641.3/87

- sign 223.443 $\pm$ 0.031 χ^2 /NDF: 1888218.3/44

asym_bpm1i02WS_mean vs Slug



Right In: -477.369 ± 45.003 χ^2/NDF : 34145.7/17

Left Out: -4210.601 ± 30.828 χ^2/NDF : 56802.7/24

Right Out: -2832.730 ± 41.414 χ^2/NDF : 73949.2/21

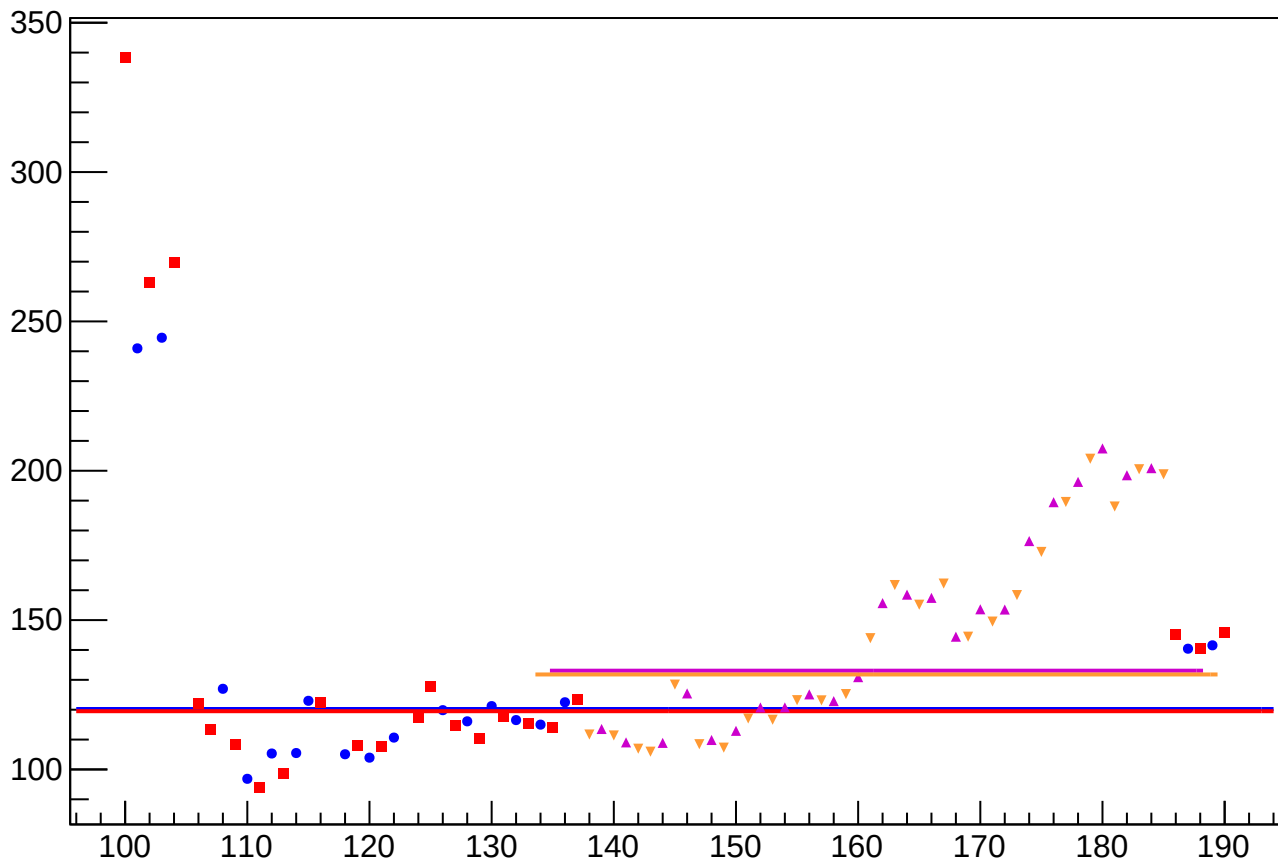
Left In: 5178.213 ± 31.969 χ^2/NDF : 18541.3/22

+ sign -3018.276 ± 25.433 χ^2/NDF : 95632.0/42

All: -402.632 ± 17.939 χ^2/NDF : 232616.6/87

- sign 2187.022 ± 25.307 χ^2/NDF : 115936.1/44

asym_bpm1i02WS_rms vs Slug



Right In: 120.232 $\pm$ 0.032 χ^2 /NDF: 768129.0/17

Left Out: 131.798 $\pm$ 0.022 χ^2 /NDF:1544340.3/24

Right Out: 119.498 $\pm$ 0.029 χ^2 /NDF: 968434.2/21

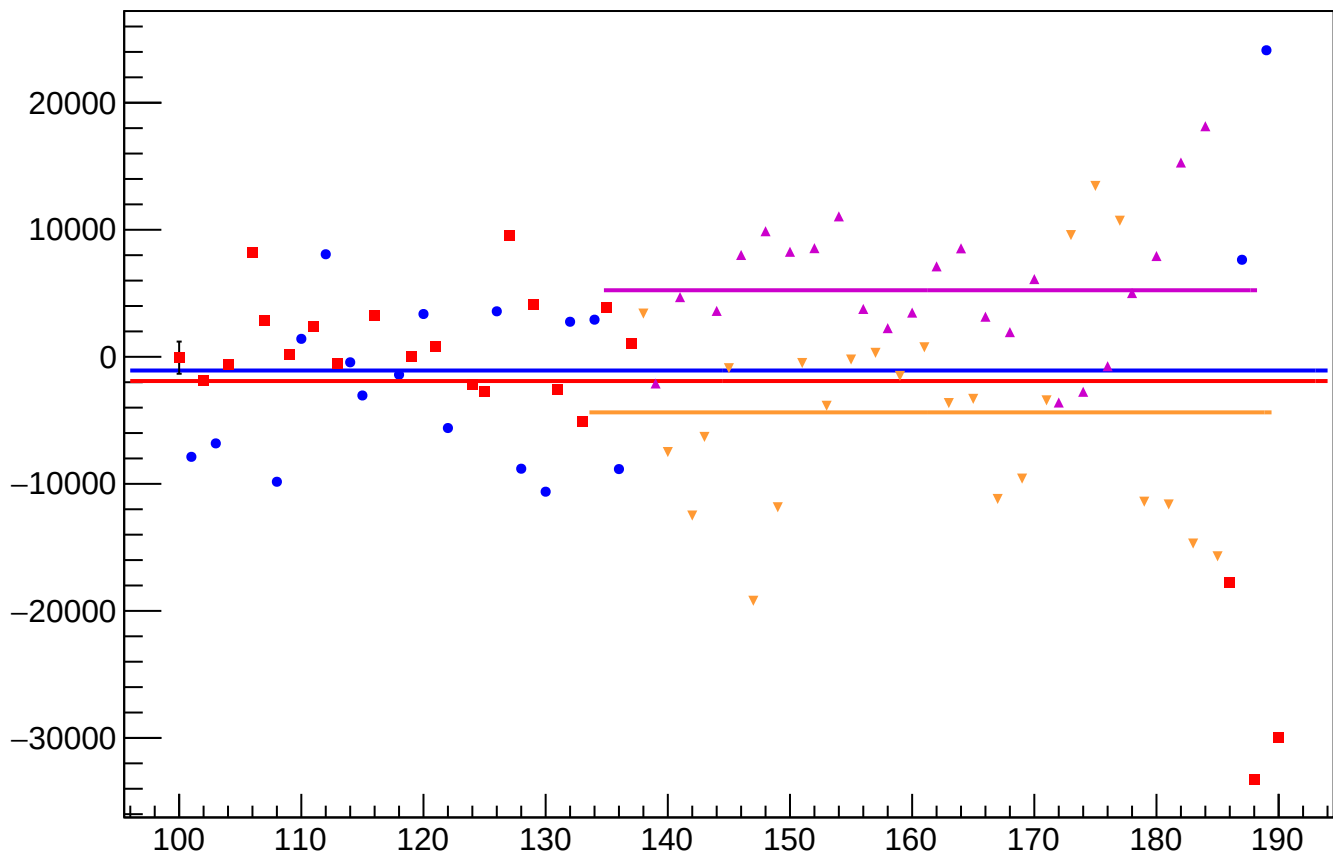
Left In: 133.061 $\pm$ 0.023 χ^2 /NDF:1418252.2/22

+ sign 128.104 $\pm$ 0.018 χ^2 /NDF: 2402378.4/42

All: 128.050 $\pm$ 0.013 χ^2 /NDF: 4923495.0/87

- sign 127.997 $\pm$ 0.018 χ^2 /NDF: 2521098.9/44

asym_bpm1i04WS_mean vs Slug



Right In: -1077.282 ± 38.621 $\chi^2/\text{NDF}: 39724.2/17$

Left Out: -4372.743 ± 27.955 $\chi^2/\text{NDF}: 67218.5/24$

Right Out: -1906.277 ± 35.876 $\chi^2/\text{NDF}: 82219.0/21$

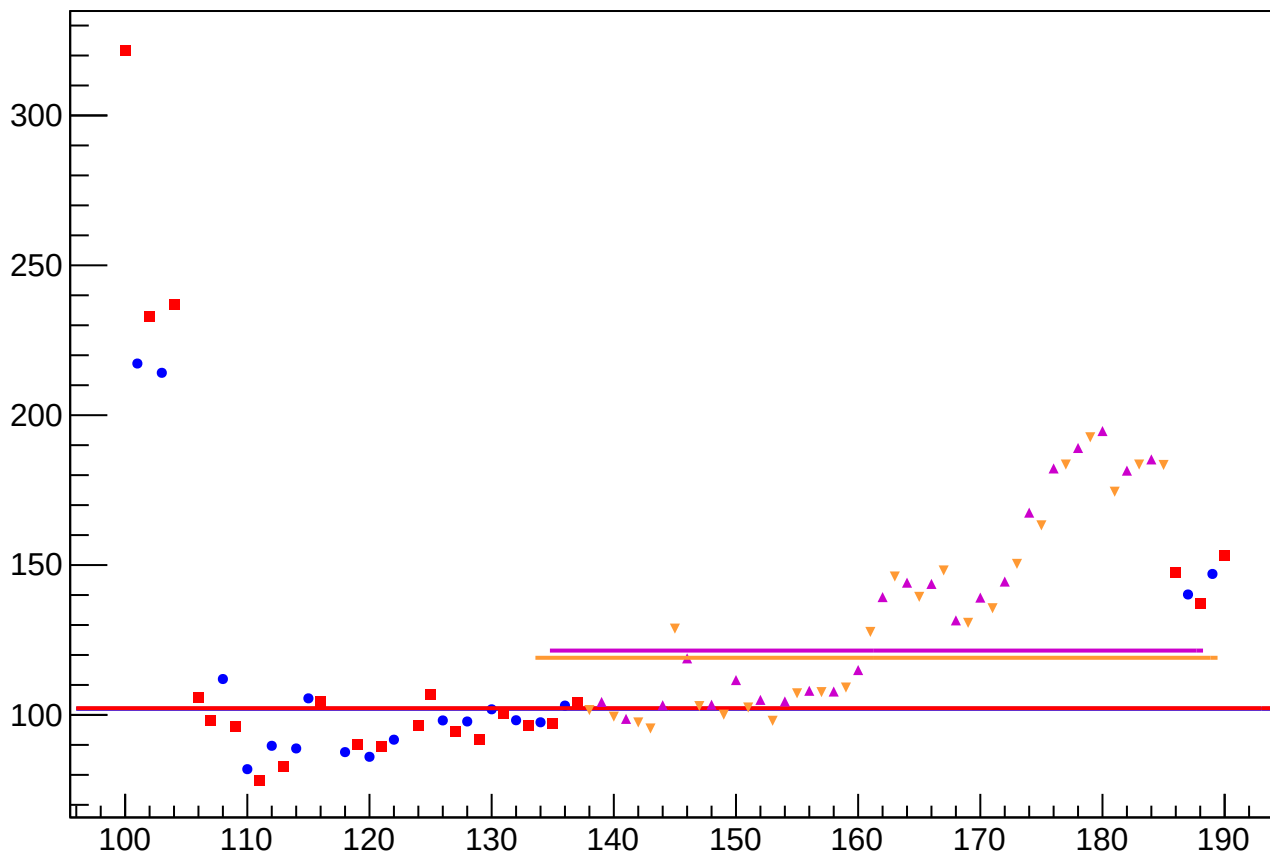
Left In: 5239.784 ± 29.252 $\chi^2/\text{NDF}: 22273.2/22$

+ sign -3239.755 ± 22.645 $\chi^2/\text{NDF}: 111720.4/42$

All: -429.955 ± 16.022 $\chi^2/\text{NDF}: 270870.0/87$

- sign 2386.166 ± 22.671 $\chi^2/\text{NDF}: 128324.3/44$

asym_bpm1i04WS_rms vs Slug



Right In: 102.056+/-0.027 χ^2/NDF : 941472.3/17

Left Out: 119.064+/-0.020 χ^2/NDF :1755428.3/24

Right Out: 102.243+/-0.025 χ^2/NDF : 1232212.4/21

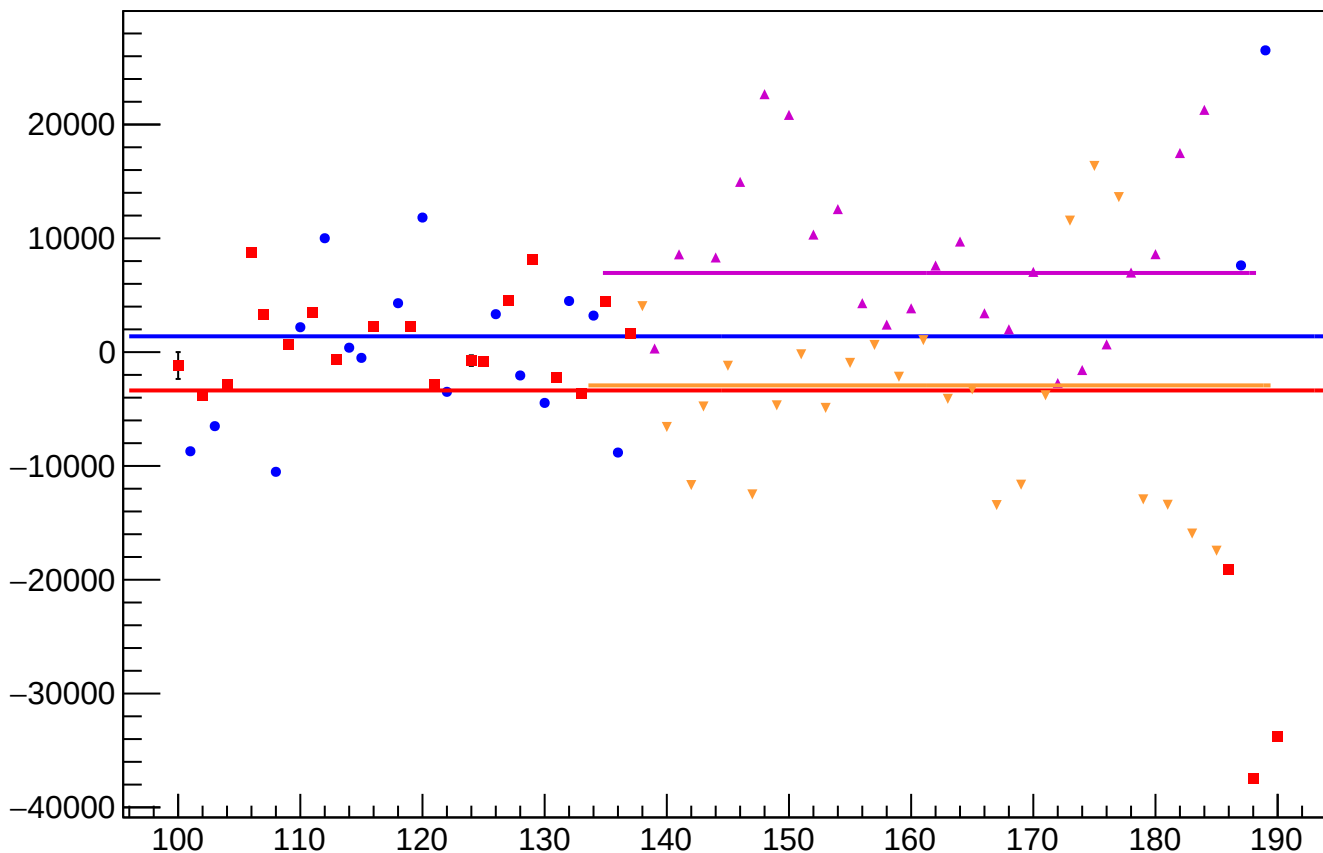
Left In: 121.468+/-0.021 χ^2/NDF :1529379.8/22

+ sign 113.217+/-0.016 χ^2/NDF : 2951413.4/42

All: 113.504+/-0.011 χ^2/NDF : 6058624.8/87

- sign 113.791+/-0.016 χ^2/NDF : 3106569.8/44

asym_bpm1i06WS_mean vs Slug



Right In: 1389.486+/-51.644 χ^2/NDF : 29203.6/17

Left Out: -2923.060+/-38.185 χ^2/NDF : 38052.4/24

Right Out: -3367.091+/-48.130 χ^2/NDF : 68508.7/21

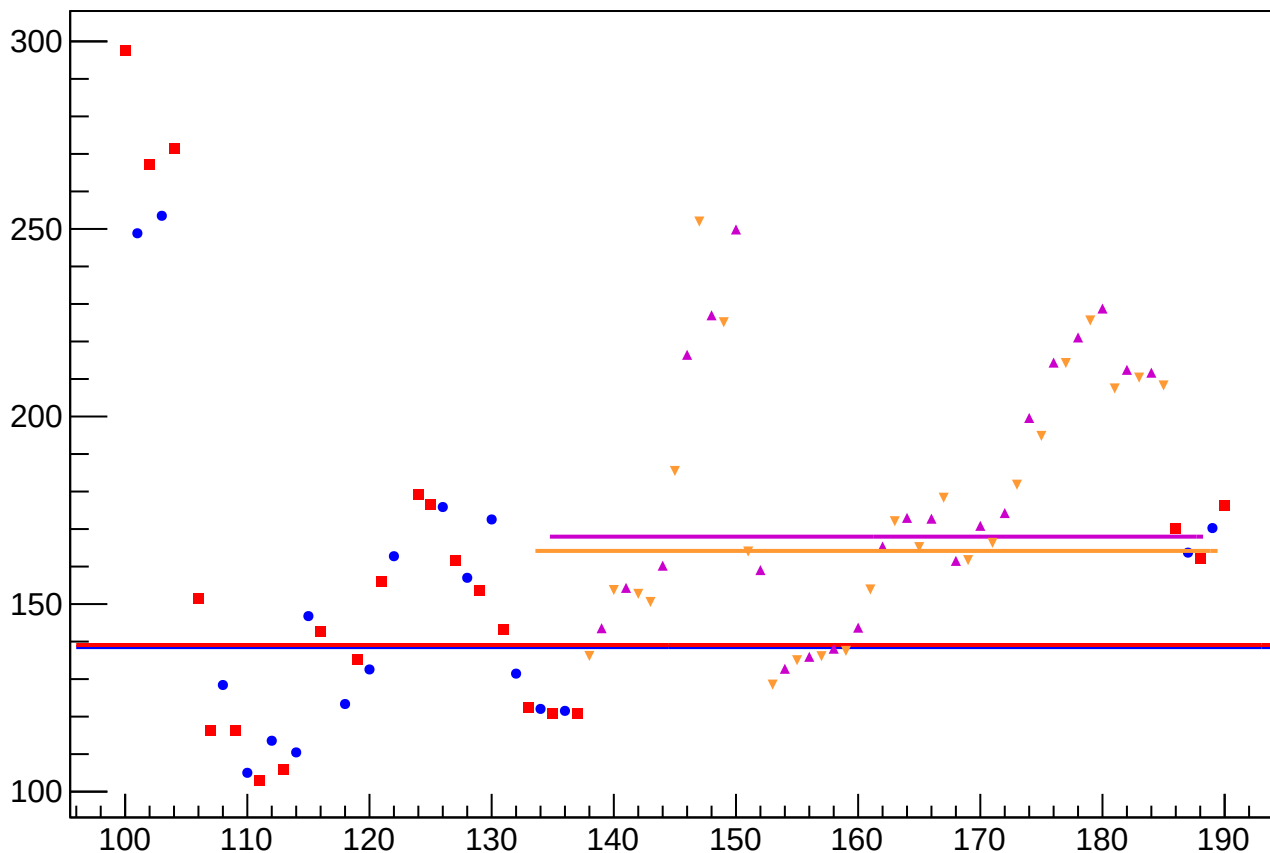
Left In: 6956.884+/-40.245 χ^2/NDF : 22339.0/22

+ sign -1398.743+/-30.704 χ^2/NDF : 71764.4/42

All: 643.634+/-21.771 χ^2/NDF : 198589.3/87

- sign 2708.730+/-30.874 χ^2/NDF : 117926.1/44

asym_bpm1i06WS_rms vs Slug



Right In: 138.530 $\pm$ 0.037 χ^2 /NDF: 845413.8/17

Left Out: 164.172 $\pm$ 0.027 χ^2 /NDF:1224405.6/24

Right Out: 139.092 $\pm$ 0.034 χ^2 /NDF: 1029215.5/21

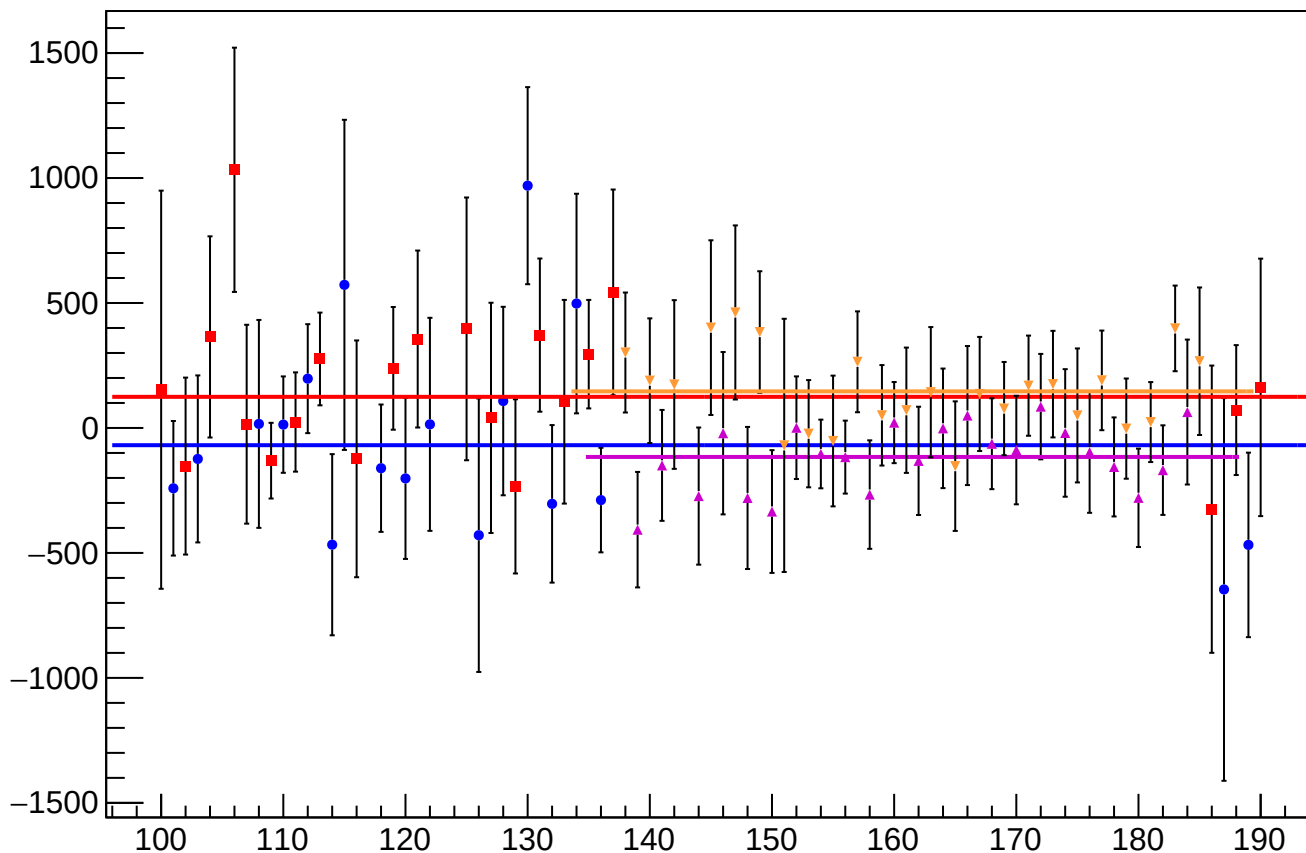
Left In: 167.975 $\pm$ 0.028 χ^2 /NDF:1222745.4/22

+ sign 155.109 $\pm$ 0.022 χ^2 /NDF: 2388613.9/42

All: 155.597 $\pm$ 0.015 χ^2 /NDF: 5065478.4/87

- sign 156.090 $\pm$ 0.022 χ^2 /NDF: 2675848.3/44

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -68.968 ± 74.351 χ^2/NDF : 17.3/17

Left Out: 146.352 ± 46.929 χ^2/NDF : 10.0/23

Right Out: 124.535 ± 65.197 χ^2/NDF : 13.5/20

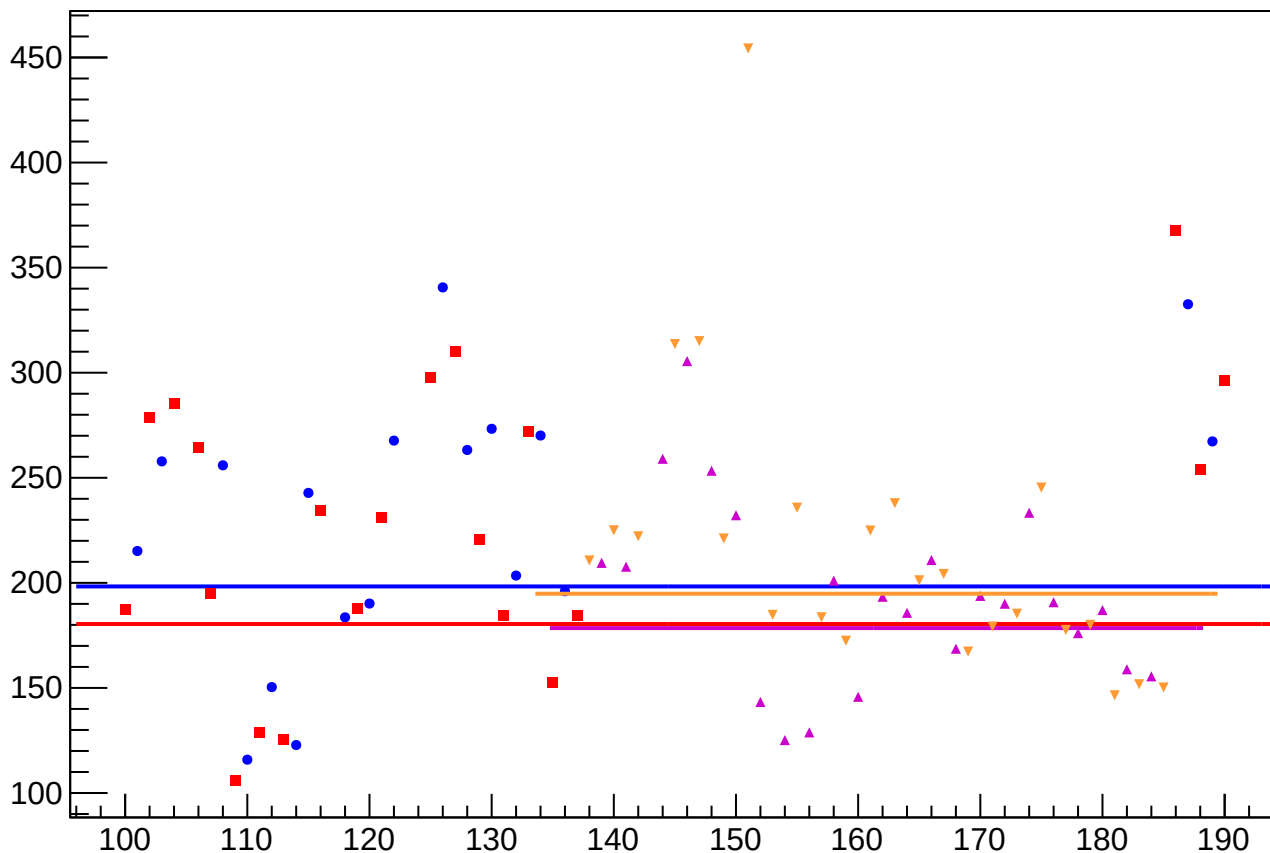
Left In: -115.974 ± 43.605 χ^2/NDF : 7.6/22

+ sign 85.009 ± 39.685 χ^2/NDF : 33.2/41

All: 15.958 ± 26.763 χ^2/NDF : 69.3/85

- sign -41.641 ± 36.245 χ^2/NDF : 30.5/43

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 198.297 $\pm$ 0.053 χ^2 /NDF: 1181319.8/17

Left Out: 194.828 $\pm$ 0.033 χ^2 /NDF:1752475.1/23

Right Out: 180.414 $\pm$ 0.046 χ^2 /NDF: 2107915.8/20

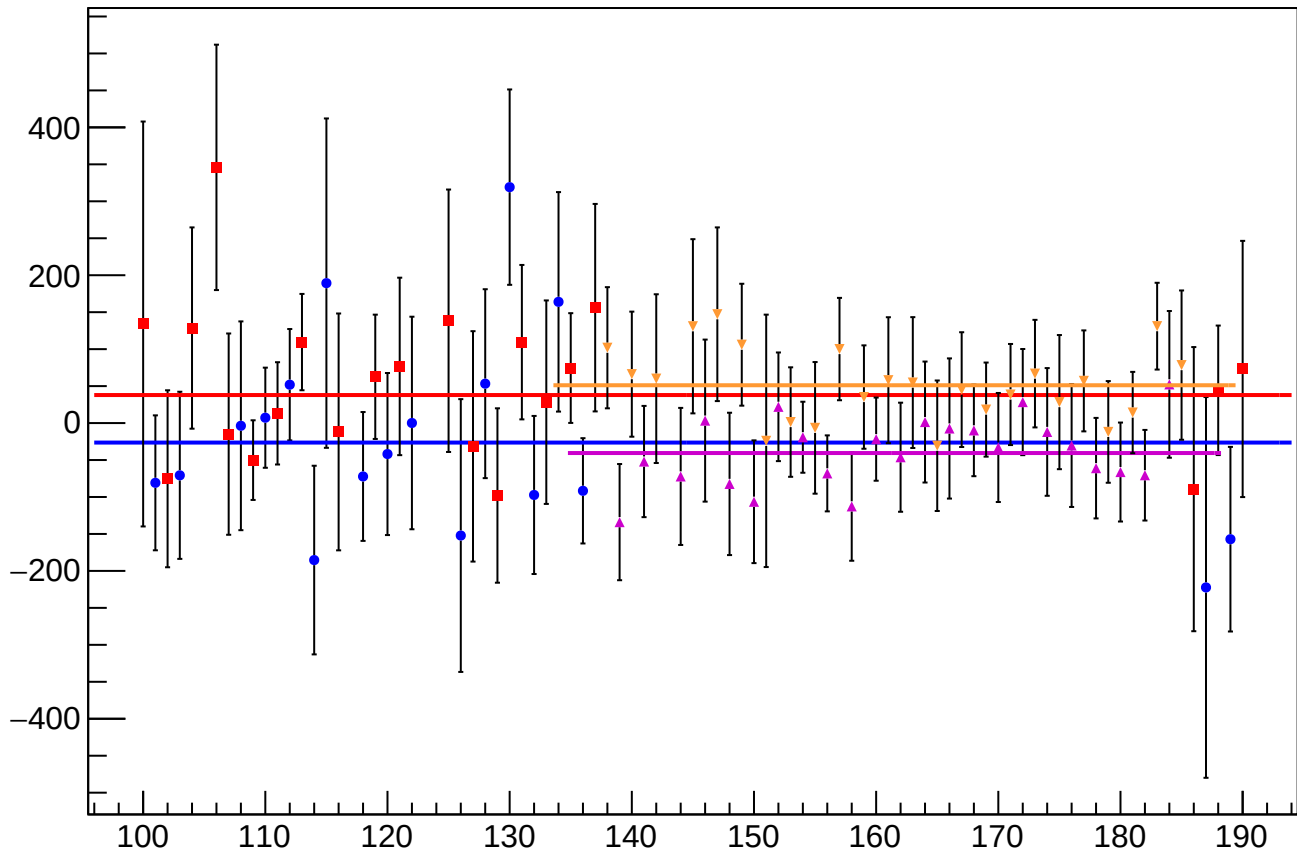
Left In: 178.475 $\pm$ 0.031 χ^2 /NDF:1676266.4/22

+ sign 195.817 $\pm$ 0.028 χ^2 /NDF: 2936908.2/41

All: 186.689 $\pm$ 0.019 χ^2 /NDF: 6916384.8/85

- sign 179.074 $\pm$ 0.026 χ^2 /NDF: 3785403.9/43

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -26.381 ± 25.444 $\chi^2/\text{NDF}: 17.0/17$

Left Out: 51.161 ± 16.037 $\chi^2/\text{NDF}: 8.1/23$

Right Out: 37.911 ± 22.483 $\chi^2/\text{NDF}: 13.1/20$

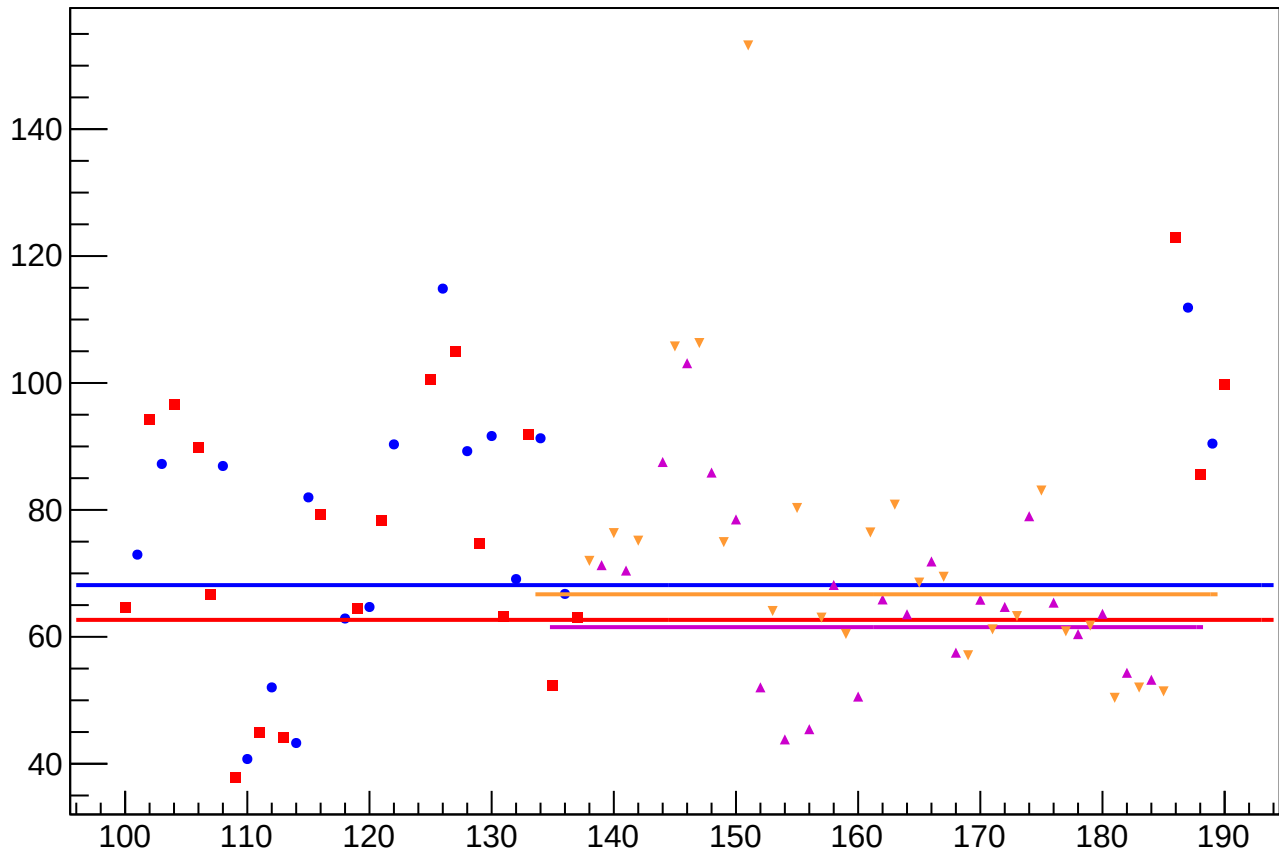
Left In: -40.540 ± 14.978 $\chi^2/\text{NDF}: 7.9/22$

+ sign 29.115 ± 13.567 $\chi^2/\text{NDF}: 31.7/41$

All: 4.420 ± 9.179 $\chi^2/\text{NDF}: 67.2/85$

- sign -16.425 ± 12.465 $\chi^2/\text{NDF}: 29.4/43$

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 68.150 ± 0.018 $\chi^2/\text{NDF}: 1074425.7/17$

Left Out: 66.703 ± 0.011 $\chi^2/\text{NDF}: 1676329.9/23$

Right Out: 62.673 ± 0.016 $\chi^2/\text{NDF}: 1908292.9/20$

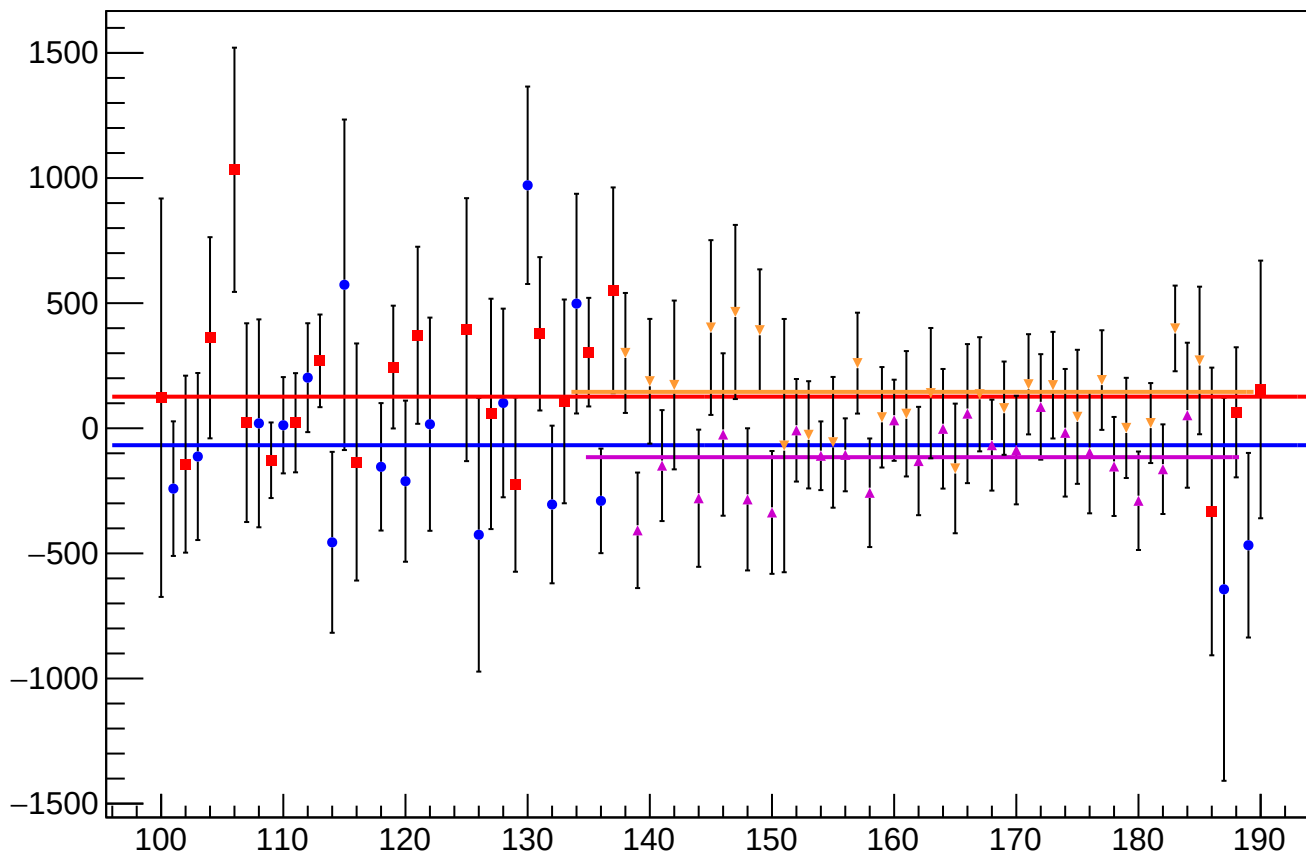
Left In: 61.529 ± 0.011 $\chi^2/\text{NDF}: 1489848.4/22$

+ sign 67.114 ± 0.010 $\chi^2/\text{NDF}: 2755385.2/41$

All: 64.276 ± 0.006 $\chi^2/\text{NDF}: 6318520.7/85$

- sign 61.880 ± 0.009 $\chi^2/\text{NDF}: 3401727.9/43$

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -67.684 ± 74.270 $\chi^2/\text{NDF}: 17.3/17$

Left Out: 145.476 ± 46.889 $\chi^2/\text{NDF}: 10.2/23$

Right Out: 126.289 ± 65.118 $\chi^2/\text{NDF}: 13.6/20$

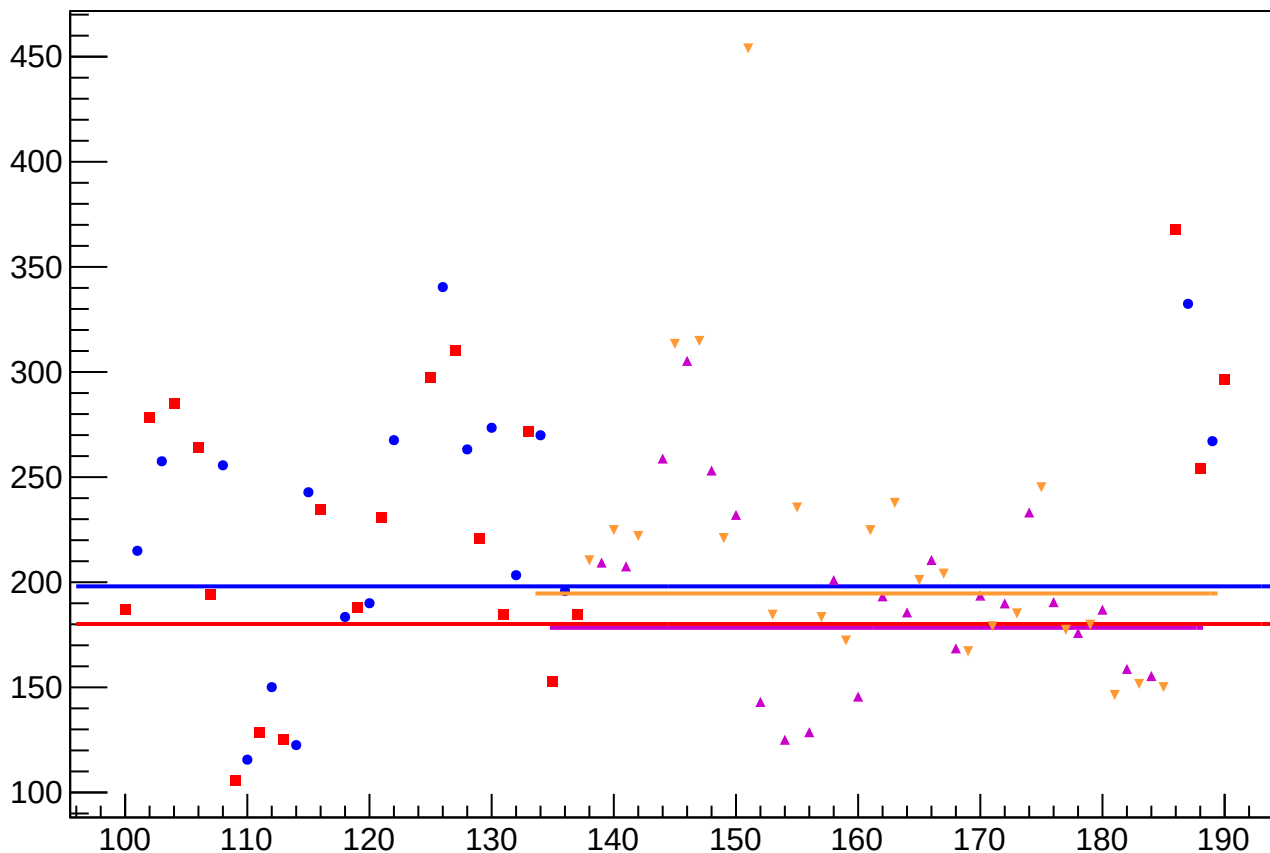
Left In: -115.487 ± 43.568 $\chi^2/\text{NDF}: 7.8/22$

+ sign 84.728 ± 39.648 $\chi^2/\text{NDF}: 33.4/41$

All: 16.328 ± 26.738 $\chi^2/\text{NDF}: 69.7/85$

- sign -40.725 ± 36.211 $\chi^2/\text{NDF}: 30.9/43$

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 198.047 $\pm$ 0.053 χ^2 /NDF: 1186199.6/17

Left Out: 194.659 $\pm$ 0.033 χ^2 /NDF:1753119.9/23

Right Out: 180.149 $\pm$ 0.046 χ^2 /NDF: 2115655.0/20

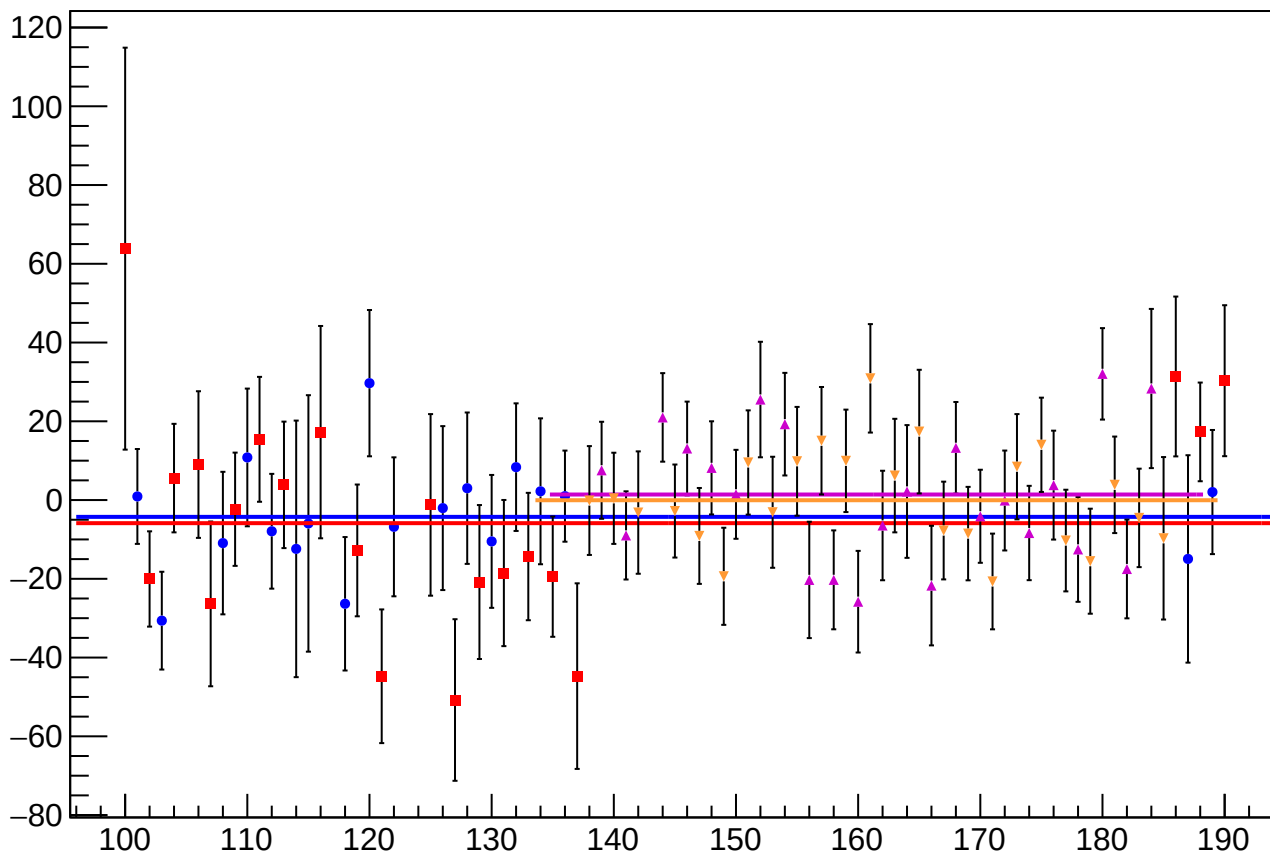
Left In: 178.318 $\pm$ 0.031 χ^2 /NDF:1678336.4/22

+ sign 195.625 $\pm$ 0.028 χ^2 /NDF: 2942295.9/41

All: 186.497 $\pm$ 0.019 χ^2 /NDF: 6931780.4/85

- sign 178.884 $\pm$ 0.026 χ^2 /NDF: 3795084.0/43

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.270 ± 3.951 χ^2/NDF : 12.3/17

Left Out: -0.047 ± 2.685 χ^2/NDF : 20.5/23

Right Out: -5.869 ± 3.781 χ^2/NDF : 33.9/20

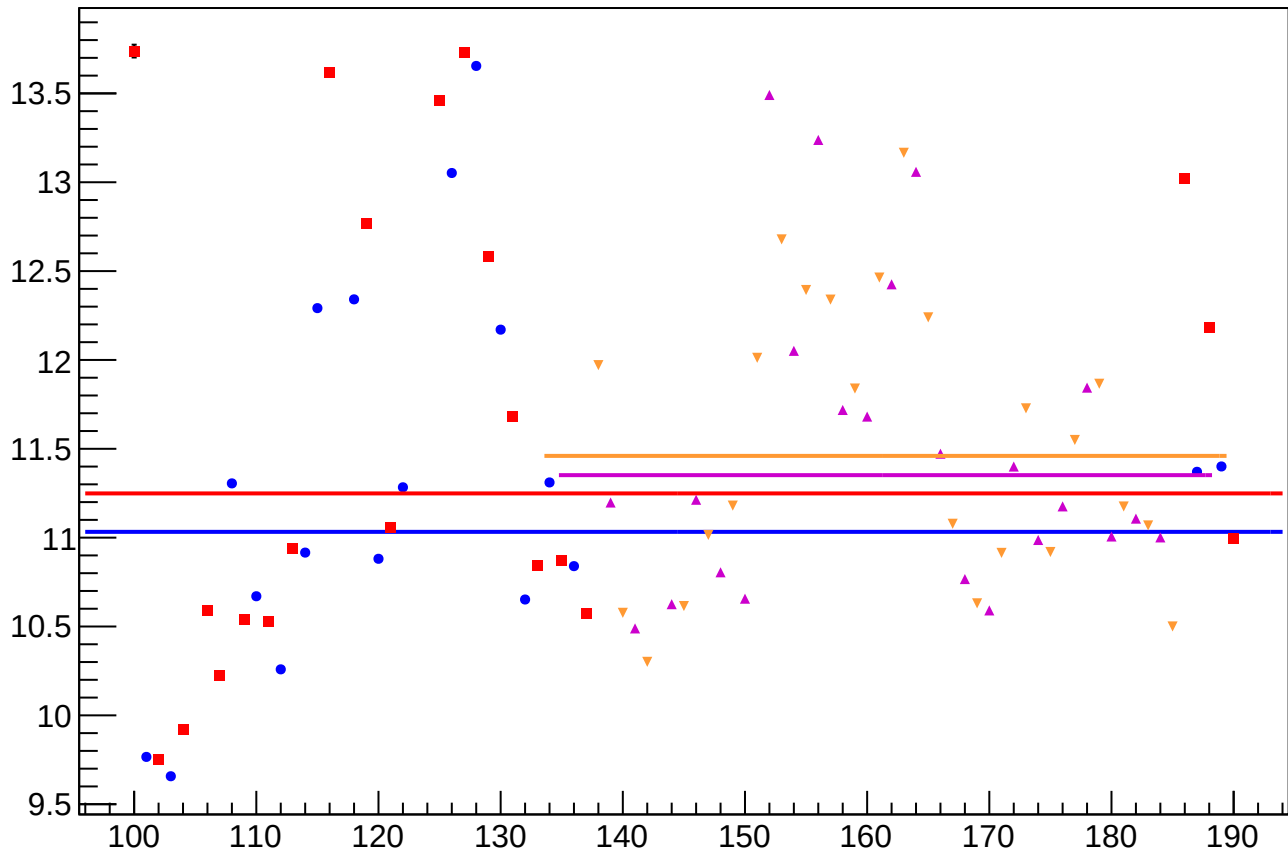
Left In: 1.407 ± 2.674 χ^2/NDF : 36.3/22

+ sign -1.381 ± 2.221 χ^2/NDF : 33.6/41

All: -1.197 ± 1.557 χ^2/NDF : 106.3/85

- sign -1.019 ± 2.183 χ^2/NDF : 72.7/43

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 11.033 ± 0.003 χ^2/NDF : 137710.8/17

Left Out: 11.460 ± 0.002 χ^2/NDF : 150430.0/23

Right Out: 11.249 ± 0.003 χ^2/NDF : 192069.8/20

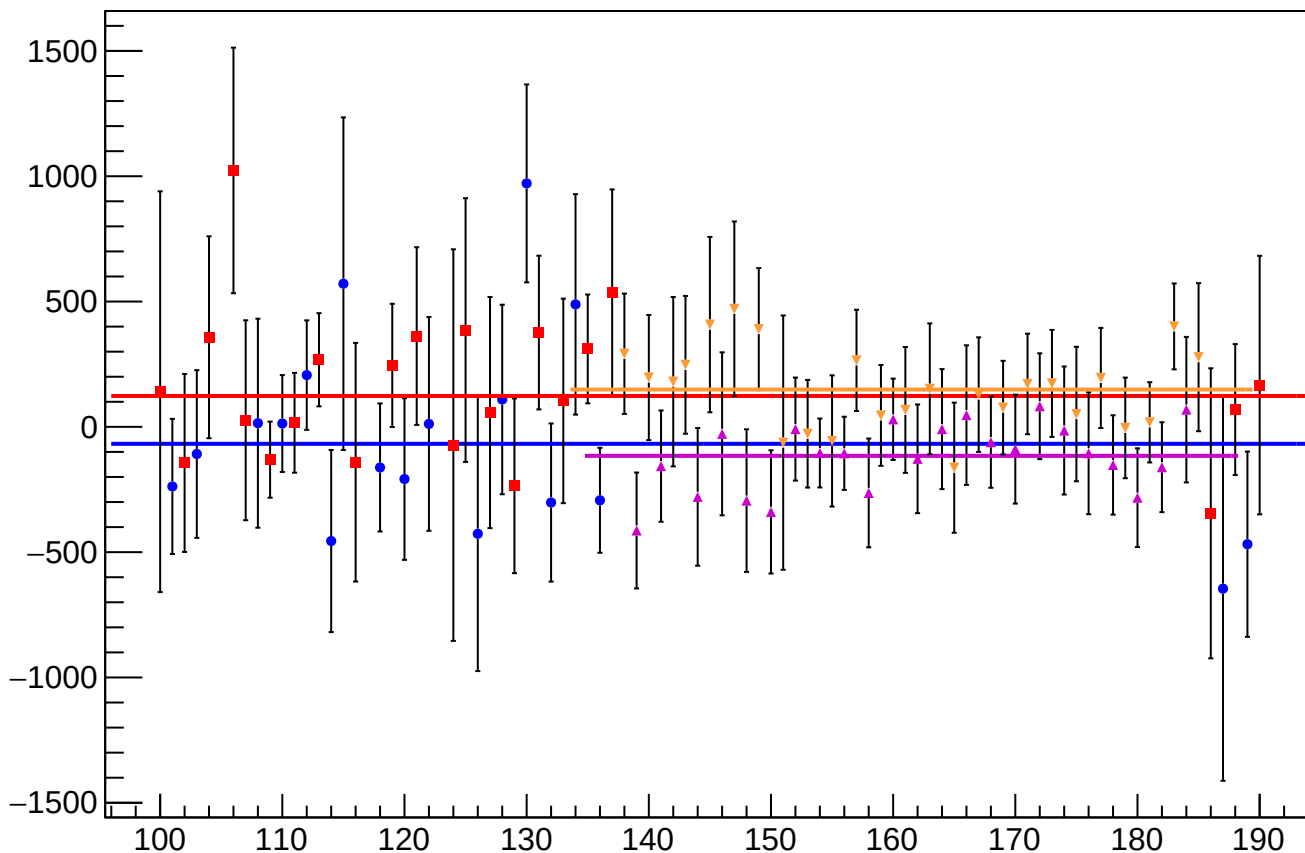
Left In: 11.352 ± 0.002 χ^2/NDF : 170563.6/22

+ sign 11.325 ± 0.002 χ^2/NDF : 304159.2/41

All: 11.321 ± 0.001 χ^2/NDF : 667789.4/85

- sign 11.317 ± 0.002 χ^2/NDF : 363618.4/43

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -67.666 ± 74.487 $\chi^2/\text{NDF}: 17.3/17$

Left Out: 148.905 ± 46.306 $\chi^2/\text{NDF}: 10.5/24$

Right Out: 123.268 ± 65.100 $\chi^2/\text{NDF}: 13.6/21$

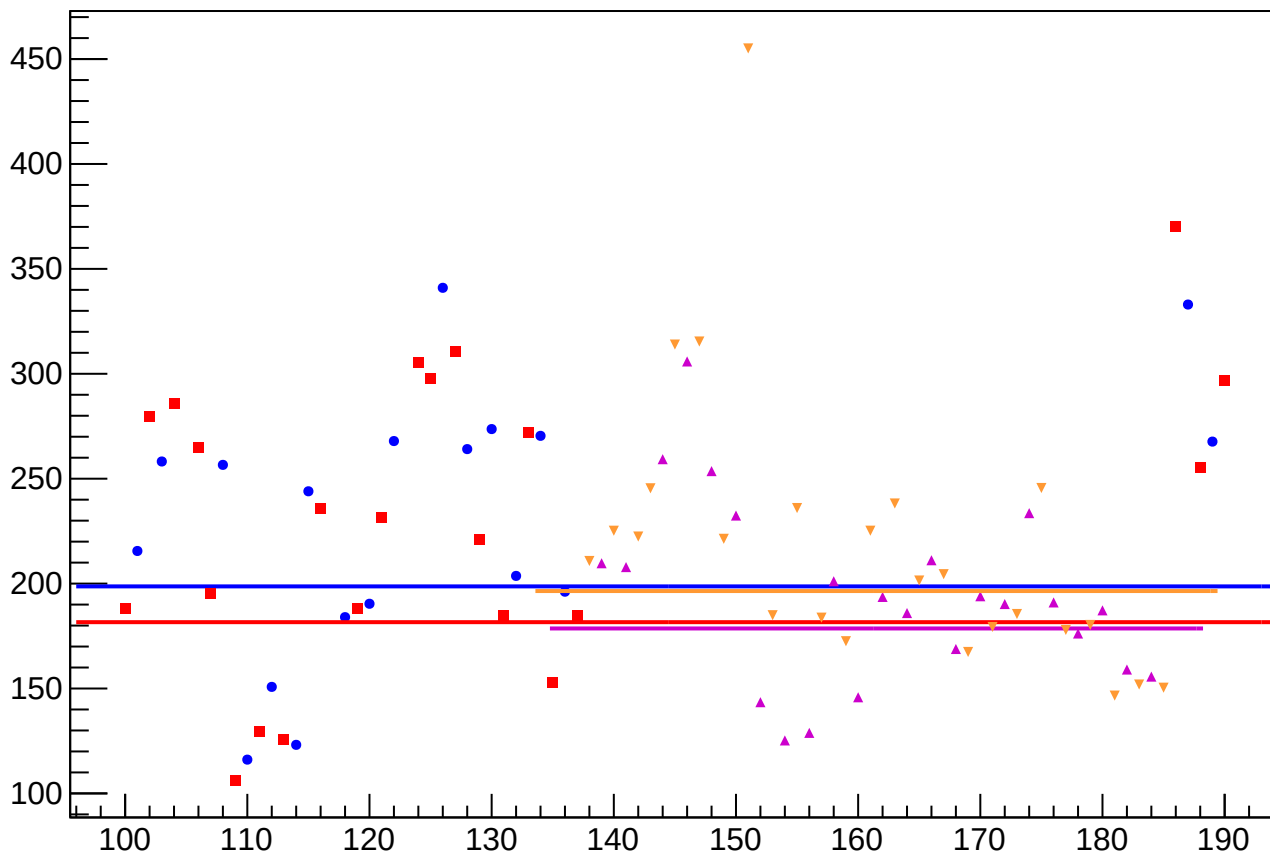
Left In: -115.709 ± 43.641 $\chi^2/\text{NDF}: 7.8/22$

+ sign 88.536 ± 39.326 $\chi^2/\text{NDF}: 33.8/42$

All: 18.171 ± 26.654 $\chi^2/\text{NDF}: 70.4/87$

- sign -41.613 ± 36.249 $\chi^2/\text{NDF}: 30.7/44$

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 198.670 $\pm$ 0.053 χ^2 /NDF: 1179442.0/17

Left Out: 196.454 $\pm$ 0.033 χ^2 /NDF:1818746.1/24

Right Out: 181.619 $\pm$ 0.046 χ^2 /NDF: 2162114.3/21

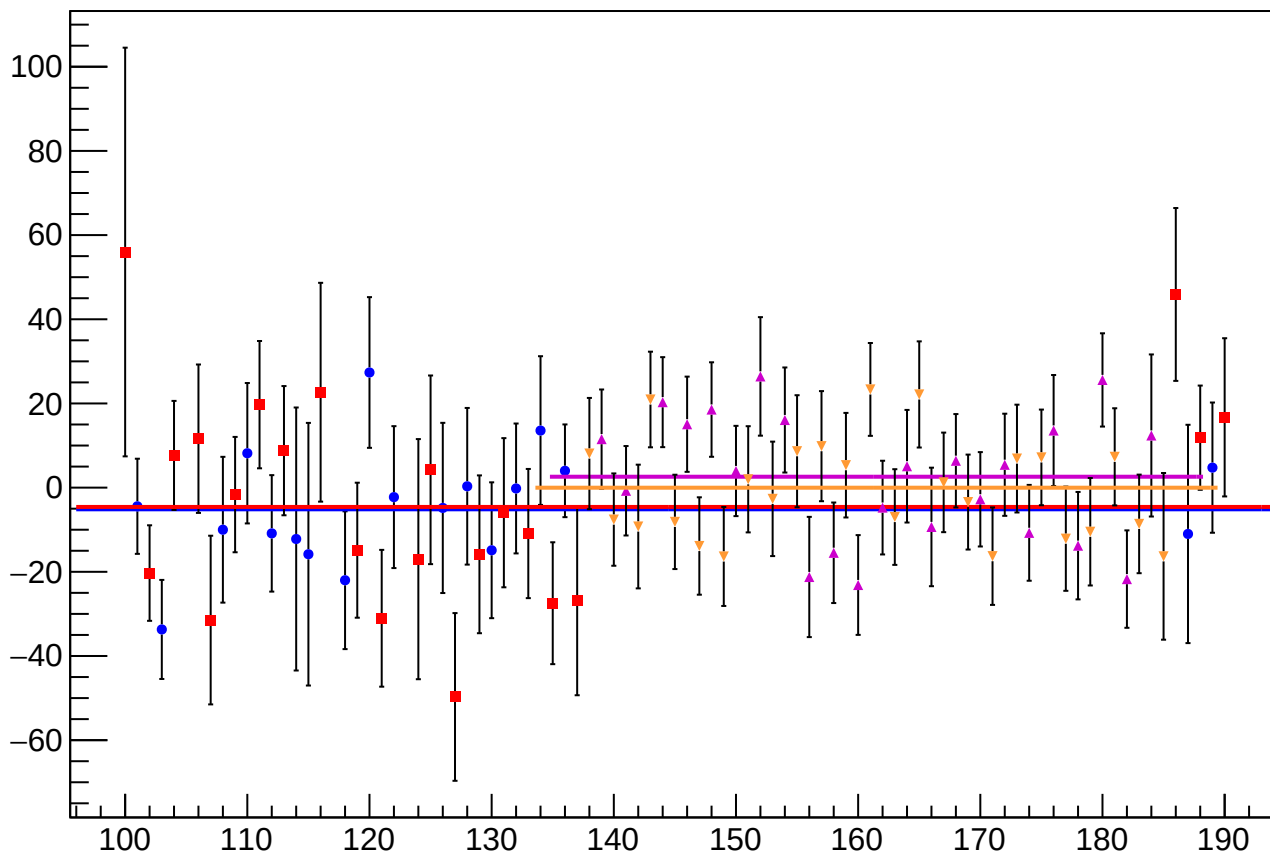
Left In: 178.614 $\pm$ 0.031 χ^2 /NDF:1678859.8/22

+ sign 197.072 $\pm$ 0.028 χ^2 /NDF: 2999464.8/42

All: 187.596 $\pm$ 0.019 χ^2 /NDF: 7058141.0/87

- sign 179.546 $\pm$ 0.026 χ^2 /NDF: 3843914.7/44

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.150 ± 3.777 χ^2/NDF : 14.2/17

Left Out: -0.018 ± 2.445 χ^2/NDF : 23.7/24

Right Out: -4.588 ± 3.593 χ^2/NDF : 33.1/21

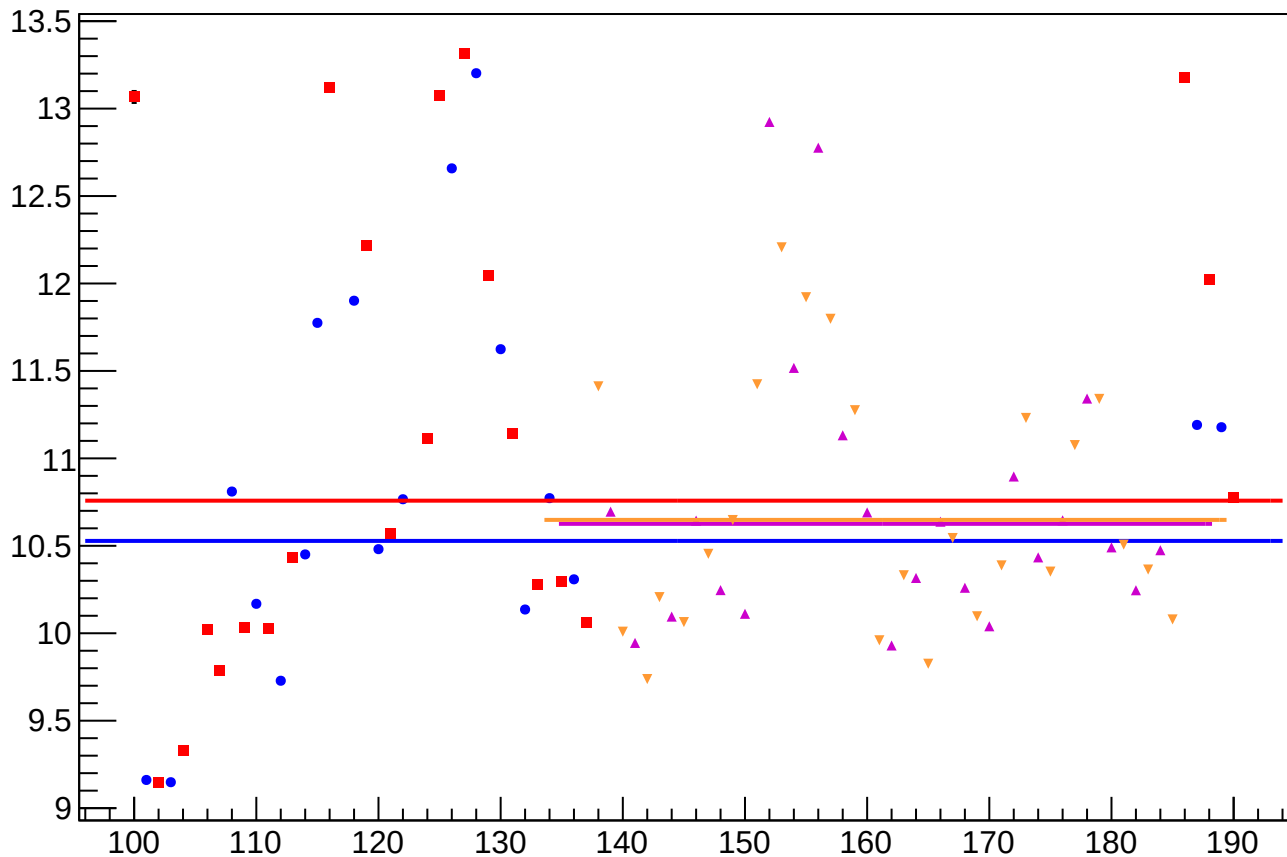
Left In: 2.591 ± 2.506 χ^2/NDF : 34.8/22

+ sign -1.533 ± 2.052 χ^2/NDF : 39.2/42

All: -0.647 ± 1.452 χ^2/NDF : 110.2/87

- sign 0.242 ± 2.055 χ^2/NDF : 70.6/44

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.528 $\pm$ 0.003 χ^2 /NDF: 162631.3/17

Left Out: 10.648 $\pm$ 0.002 χ^2 /NDF:143535.9/24

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 241473.9/21

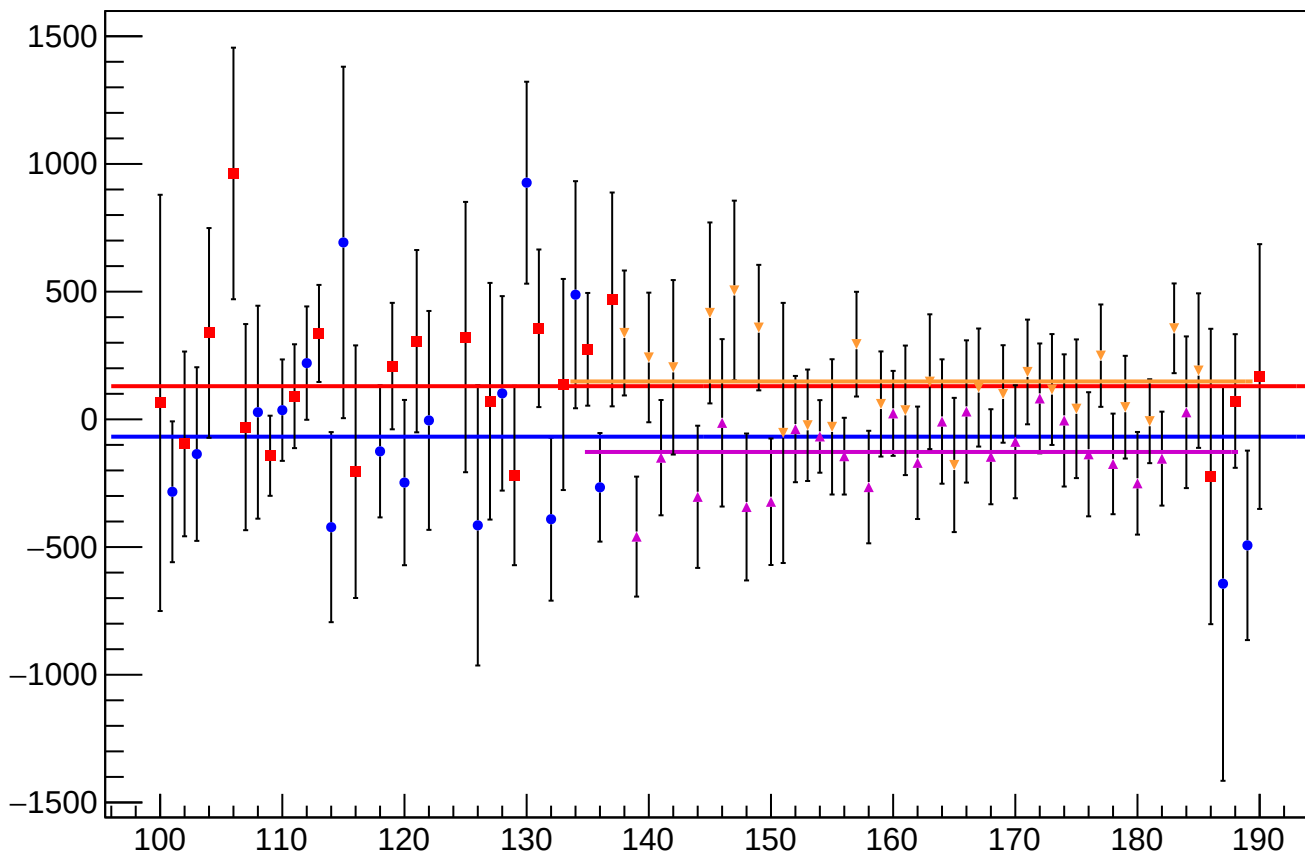
Left In: 10.626 $\pm$ 0.002 χ^2 /NDF:159543.1/22

+ sign 10.613 $\pm$ 0.001 χ^2 /NDF: 307595.0/42

All: 10.641 $\pm$ 0.001 χ^2 /NDF: 711191.0/87

- sign 10.669 $\pm$ 0.001 χ^2 /NDF: 402845.8/44

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -67.819 ± 75.575 $\chi^2/\text{NDF}: 17.4/17$

Left Out: 148.441 ± 47.720 $\chi^2/\text{NDF}: 9.9/23$

Right Out: 129.851 ± 66.463 $\chi^2/\text{NDF}: 11.9/20$

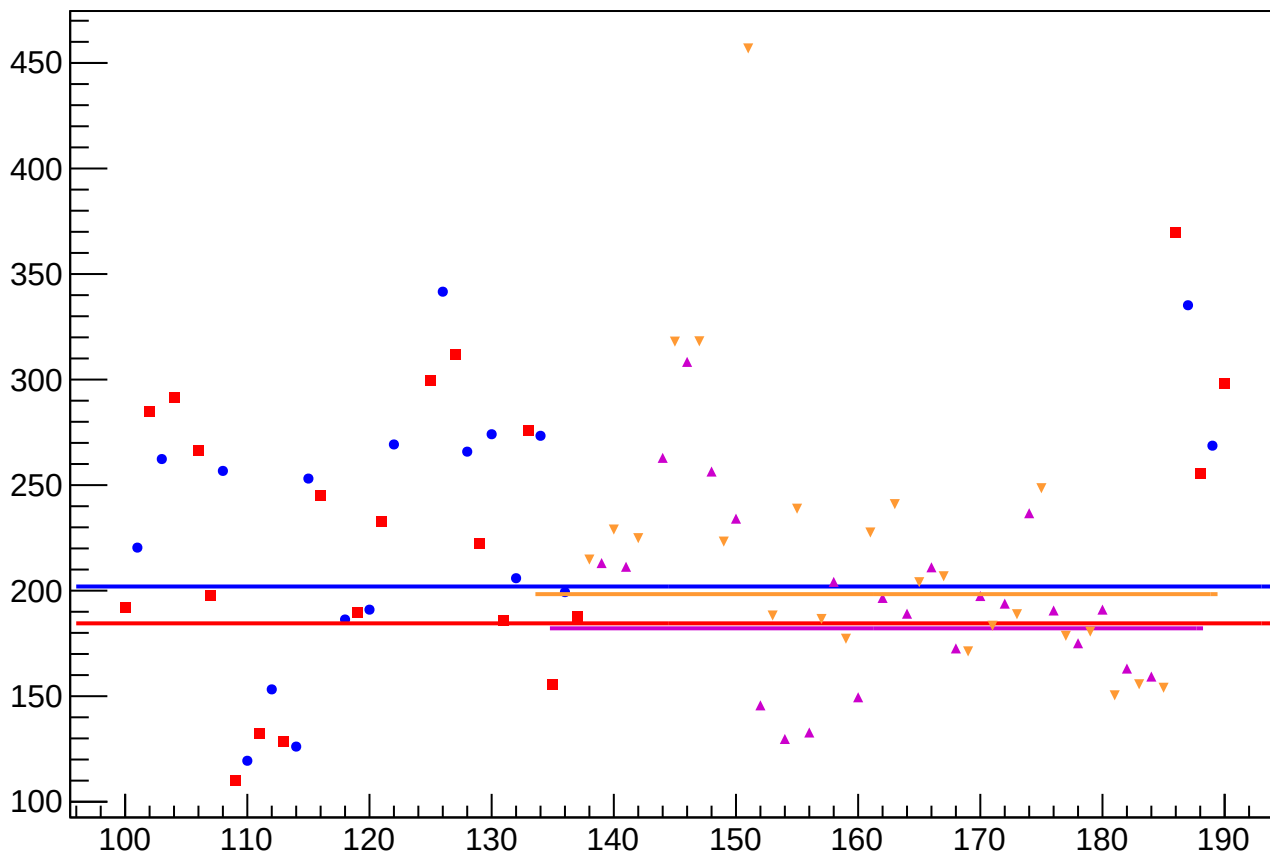
Left In: -127.710 ± 44.426 $\chi^2/\text{NDF}: 7.8/22$

+ sign 86.795 ± 40.350 $\chi^2/\text{NDF}: 33.2/41$

All: 13.361 ± 27.244 $\chi^2/\text{NDF}: 69.4/85$

- sign -48.169 ± 36.935 $\chi^2/\text{NDF}: 30.1/43$

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 201.973+/-0.053 χ^2/NDF : 1130700.3/17

Left Out: 198.351+/-0.034 χ^2/NDF : 1697058.2/23

Right Out: 184.513+/-0.047 χ^2/NDF : 2024006.9/20

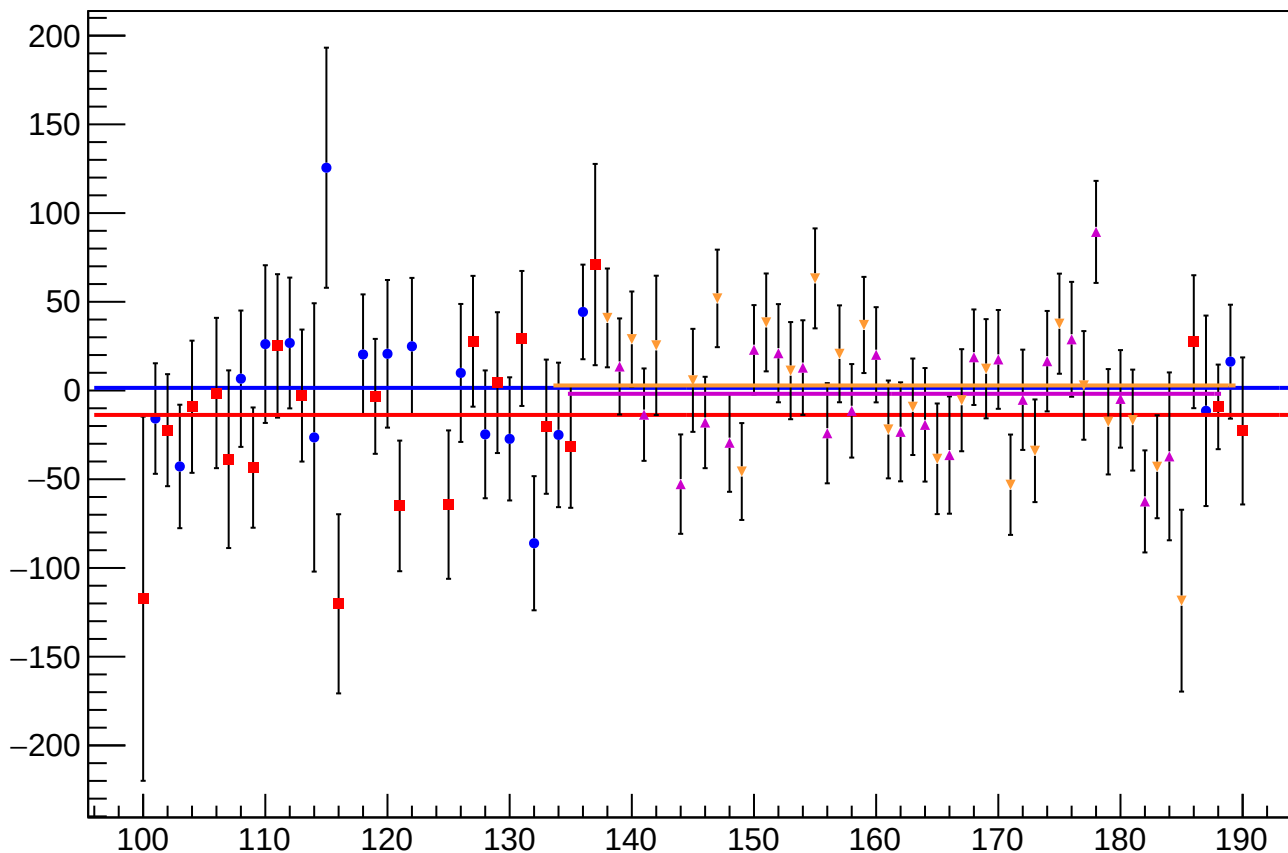
Left In: 182.150+/-0.031 χ^2/NDF : 1584358.1/22

+ sign 199.384+/-0.029 χ^2/NDF : 2831041.9/41

All: 190.404+/-0.019 χ^2/NDF : 6623208.1/85

- sign 182.880+/-0.026 χ^2/NDF : 3610111.7/43

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 1.492 ± 8.915 $\chi^2/\text{NDF}: 17.0/17$

Left Out: 2.851 ± 5.904 $\chi^2/\text{NDF}: 36.9/23$

Right Out: -13.751 ± 8.276 $\chi^2/\text{NDF}: 17.8/20$

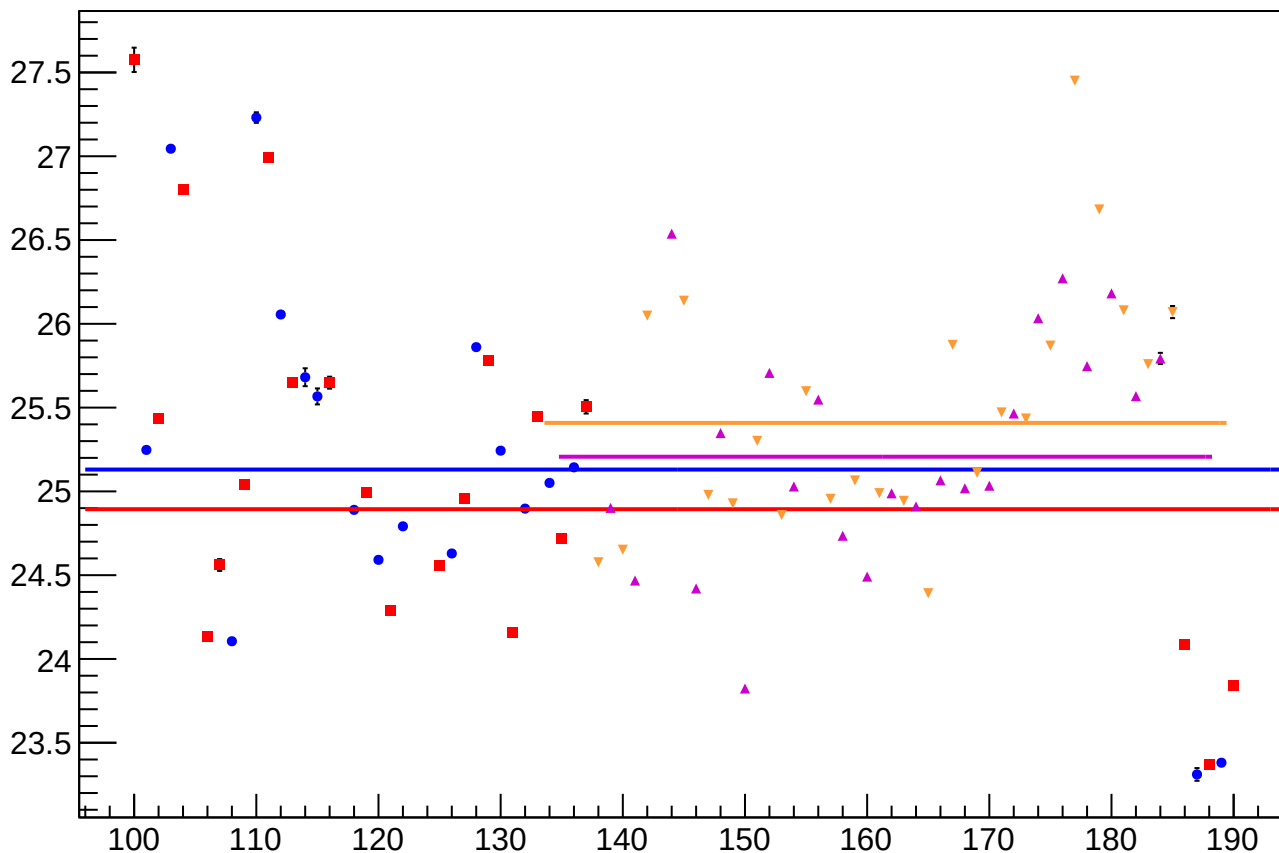
Left In: -1.850 ± 5.893 $\chi^2/\text{NDF}: 28.1/22$

+ sign 2.436 ± 4.923 $\chi^2/\text{NDF}: 53.9/41$

All: -1.813 ± 3.437 $\chi^2/\text{NDF}: 102.6/85$

- sign -5.854 ± 4.800 $\chi^2/\text{NDF}: 47.2/43$

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.130 $\pm$ 0.006 χ^2 /NDF: 23513.5/17

Left Out: 25.409 $\pm$ 0.004 χ^2 /NDF: 26863.6/23

Right Out: 24.894 $\pm$ 0.006 χ^2 /NDF: 28149.6/20

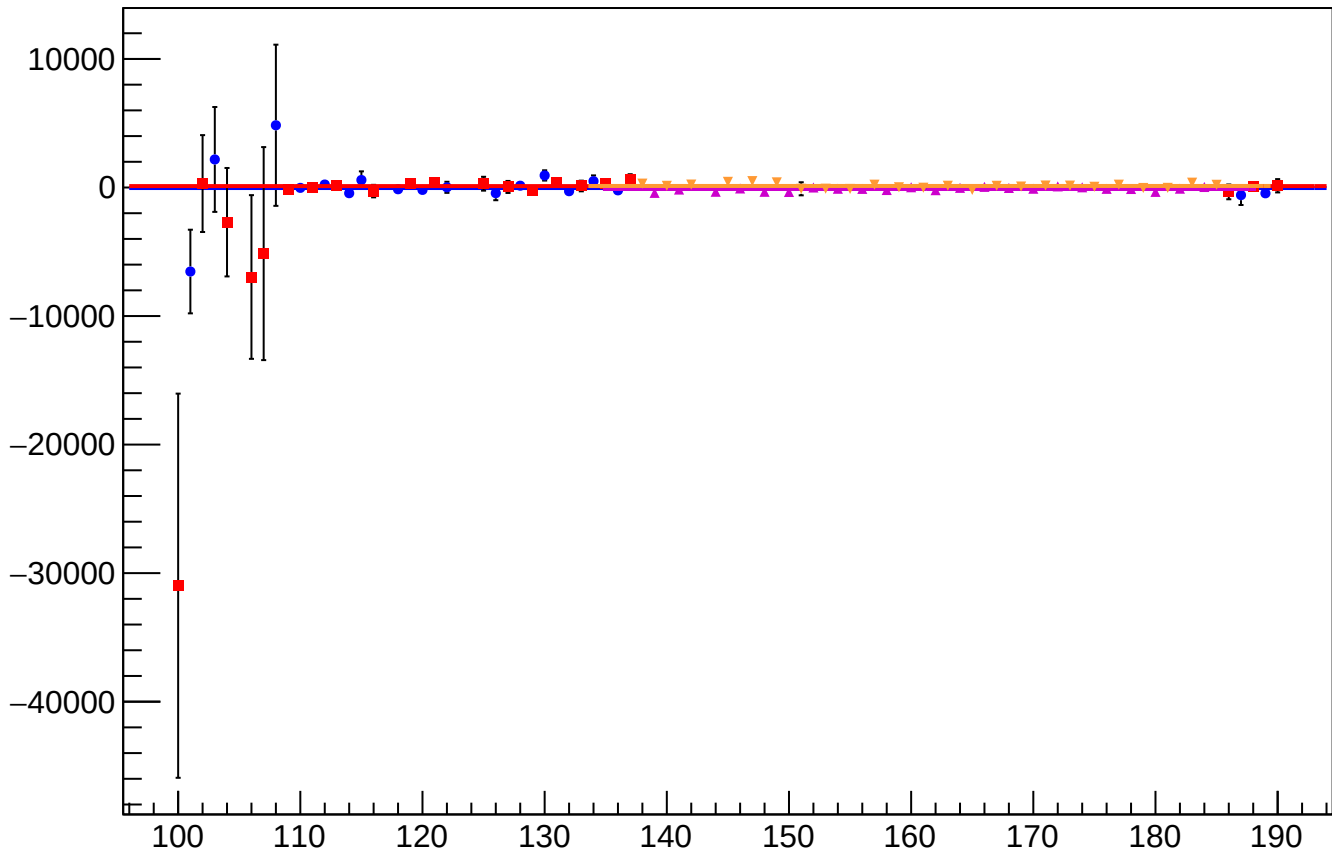
Left In: 25.207 $\pm$ 0.004 χ^2 /NDF: 25827.4/22

+ sign 25.324 $\pm$ 0.003 χ^2 /NDF: 51733.0/41

All: 25.210 $\pm$ 0.002 χ^2 /NDF: 109701.1/85

- sign 25.101 $\pm$ 0.003 χ^2 /NDF: 55876.6/43

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -41.052 ± 81.874 χ^2/NDF : 20.2/17

Left Out: 120.221 ± 47.440 χ^2/NDF : 11.9/23

Right Out: 109.558 ± 73.585 χ^2/NDF : 15.0/20

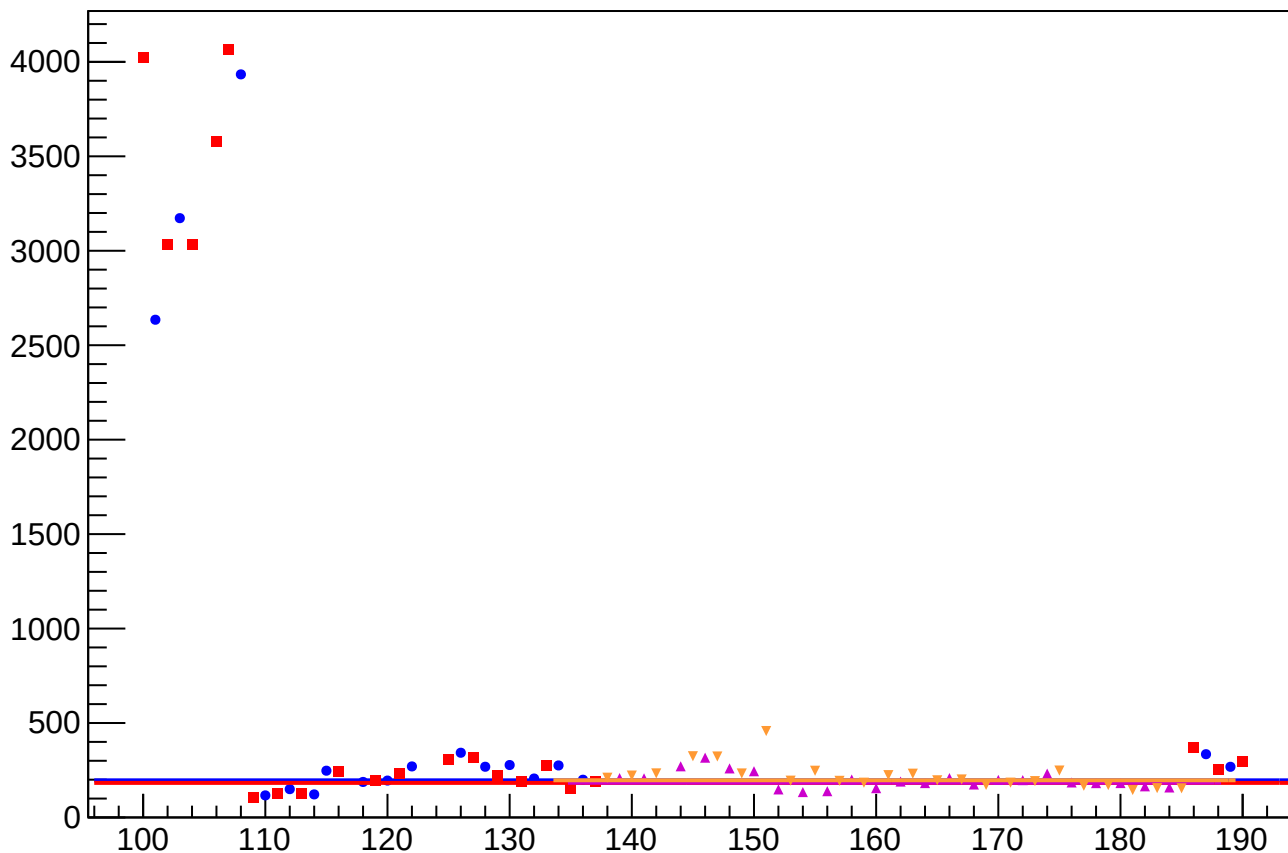
Left In: -116.243 ± 44.786 χ^2/NDF : 8.4/22

+ sign 79.685 ± 41.047 χ^2/NDF : 35.0/41

All: 7.498 ± 27.986 χ^2/NDF : 71.1/85

- sign -55.209 ± 38.257 χ^2/NDF : 30.3/43

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 196.462 $\pm$ 0.058 χ^2 /NDF: 3981636.7/17

Left Out: 196.935 $\pm$ 0.034 χ^2 /NDF: 1809266.5/23

Right Out: 183.032 $\pm$ 0.052 χ^2 /NDF: 4765593.1/20

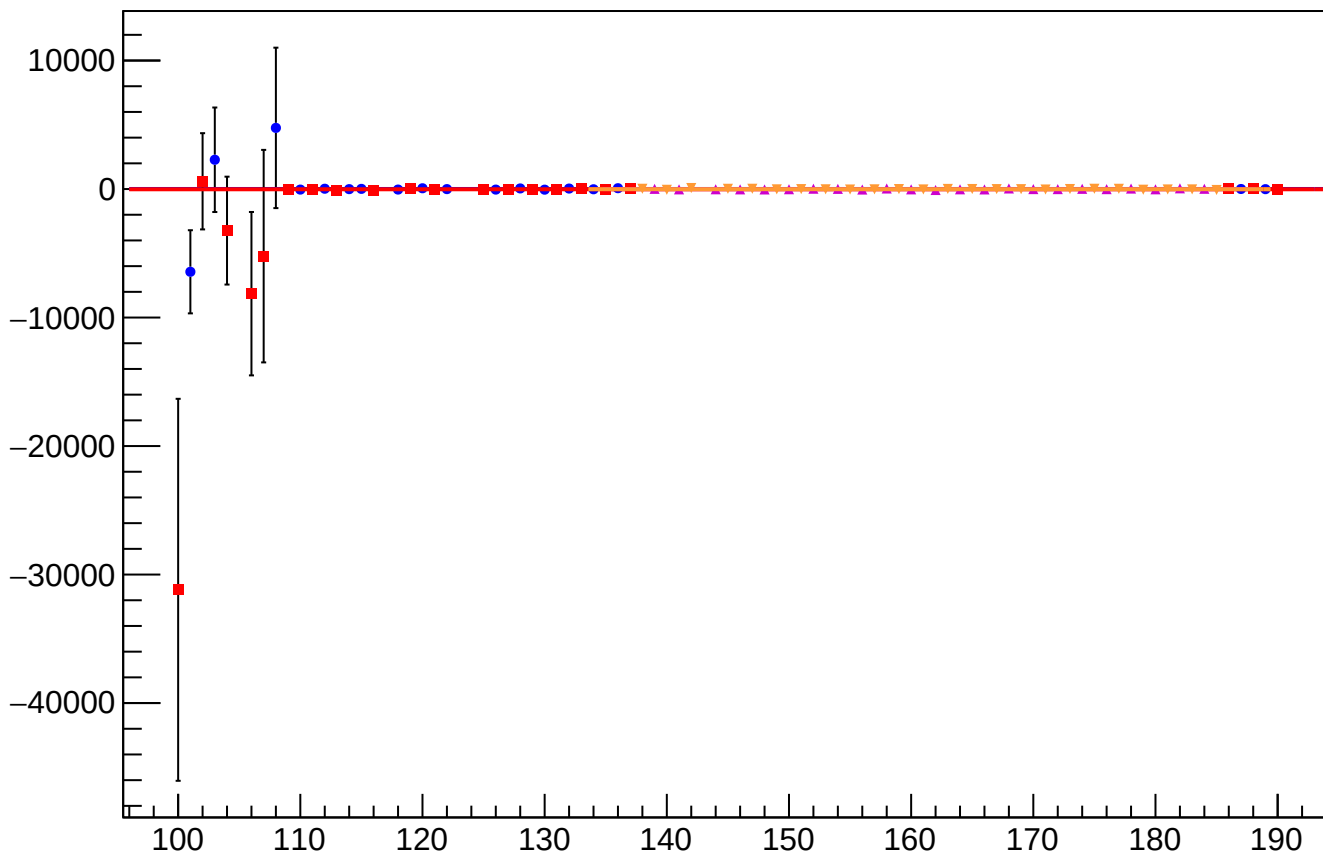
Left In: 184.051 $\pm$ 0.032 χ^2 /NDF: 1445426.0/22

+ sign 196.816 $\pm$ 0.029 χ^2 /NDF: 5790953.2/41

All: 189.838 $\pm$ 0.020 χ^2 /NDF: 12110279.2/85

- sign 183.775 $\pm$ 0.027 χ^2 /NDF: 6211299.1/43

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 4.860 ± 11.021 χ^2/NDF : 18.5/17

Left Out: -11.111 ± 6.653 χ^2/NDF : 17.5/23

Right Out: -17.900 ± 10.575 χ^2/NDF : 25.4/20

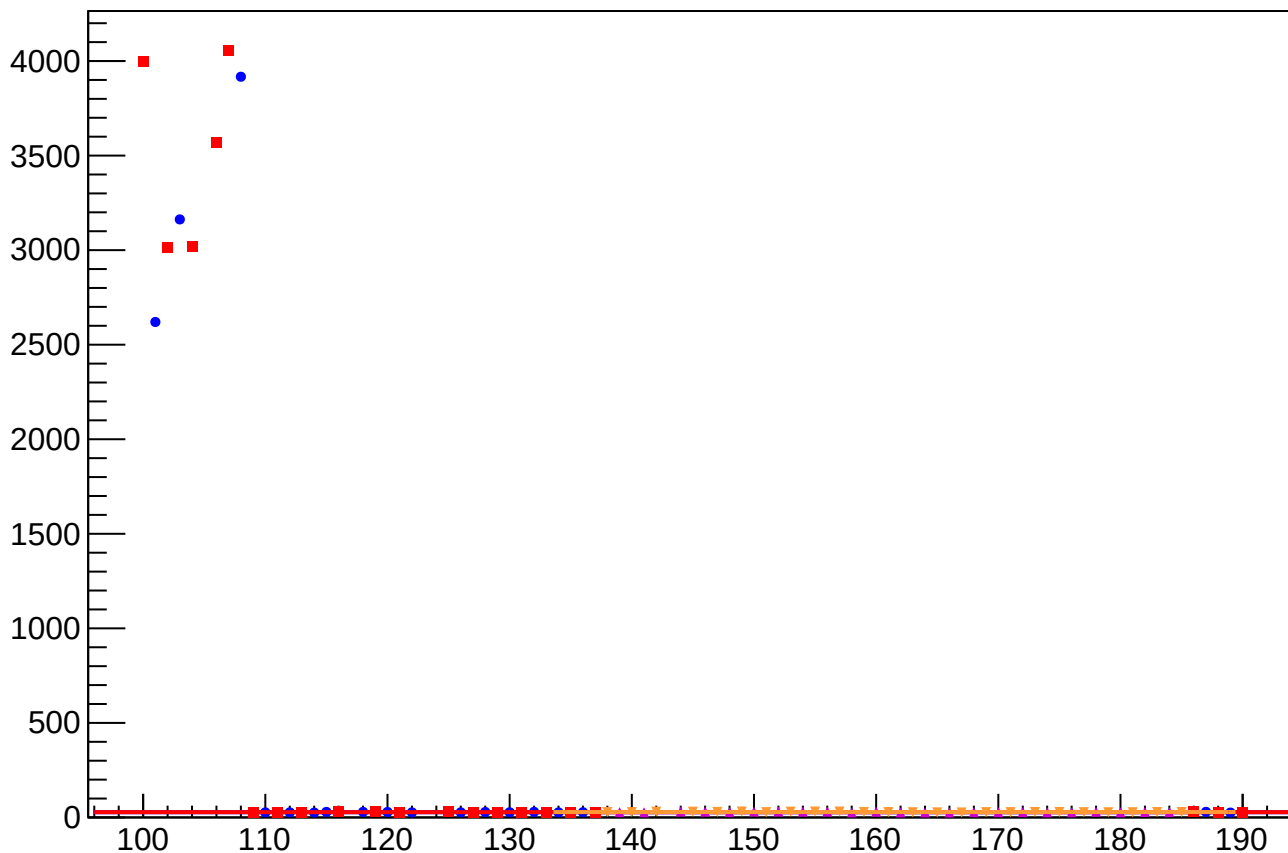
Left In: -2.576 ± 6.732 χ^2/NDF : 22.2/22

+ sign -6.846 ± 5.696 χ^2/NDF : 37.5/41

All: -6.921 ± 4.022 χ^2/NDF : 86.6/85

- sign -6.995 ± 5.679 χ^2/NDF : 49.0/43

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.674 $\pm$ 0.008 χ^2 /NDF: 3273467.6/17

Left Out: 28.592 $\pm$ 0.005 χ^2 /NDF: 80997.4/23

Right Out: 27.884 $\pm$ 0.007 χ^2 /NDF: 3572218.0/20

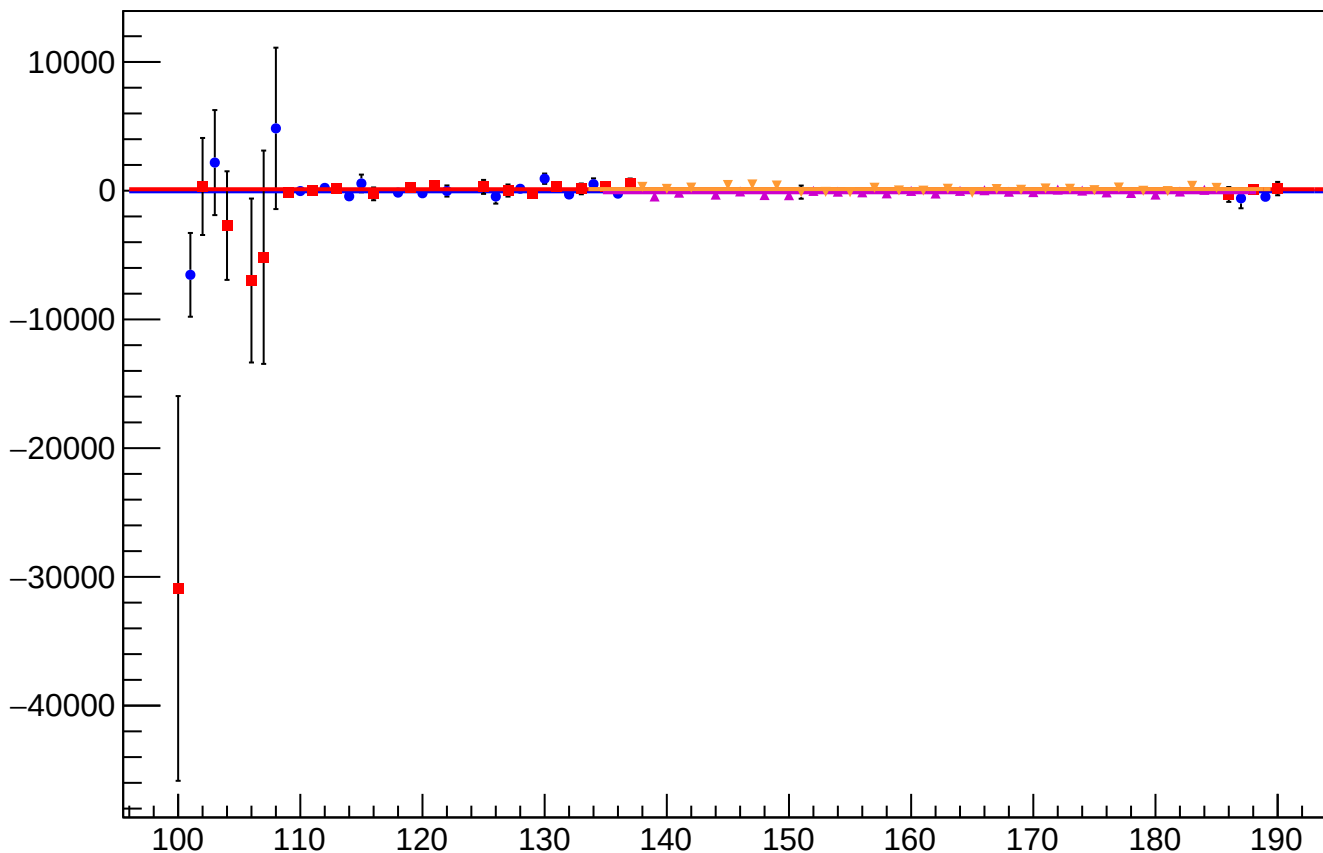
Left In: 28.728 $\pm$ 0.005 χ^2 /NDF: 127383.0/22

+ sign 28.347 $\pm$ 0.004 χ^2 /NDF: 3364642.2/41

All: 28.416 $\pm$ 0.003 χ^2 /NDF: 7073880.9/85

- sign 28.484 $\pm$ 0.004 χ^2 /NDF: 3708655.0/43

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -48.308 ± 82.444 χ^2/NDF : 20.1/17

Left Out: 126.373 ± 47.852 χ^2/NDF : 11.6/23

Right Out: 113.774 ± 74.089 χ^2/NDF : 13.8/20

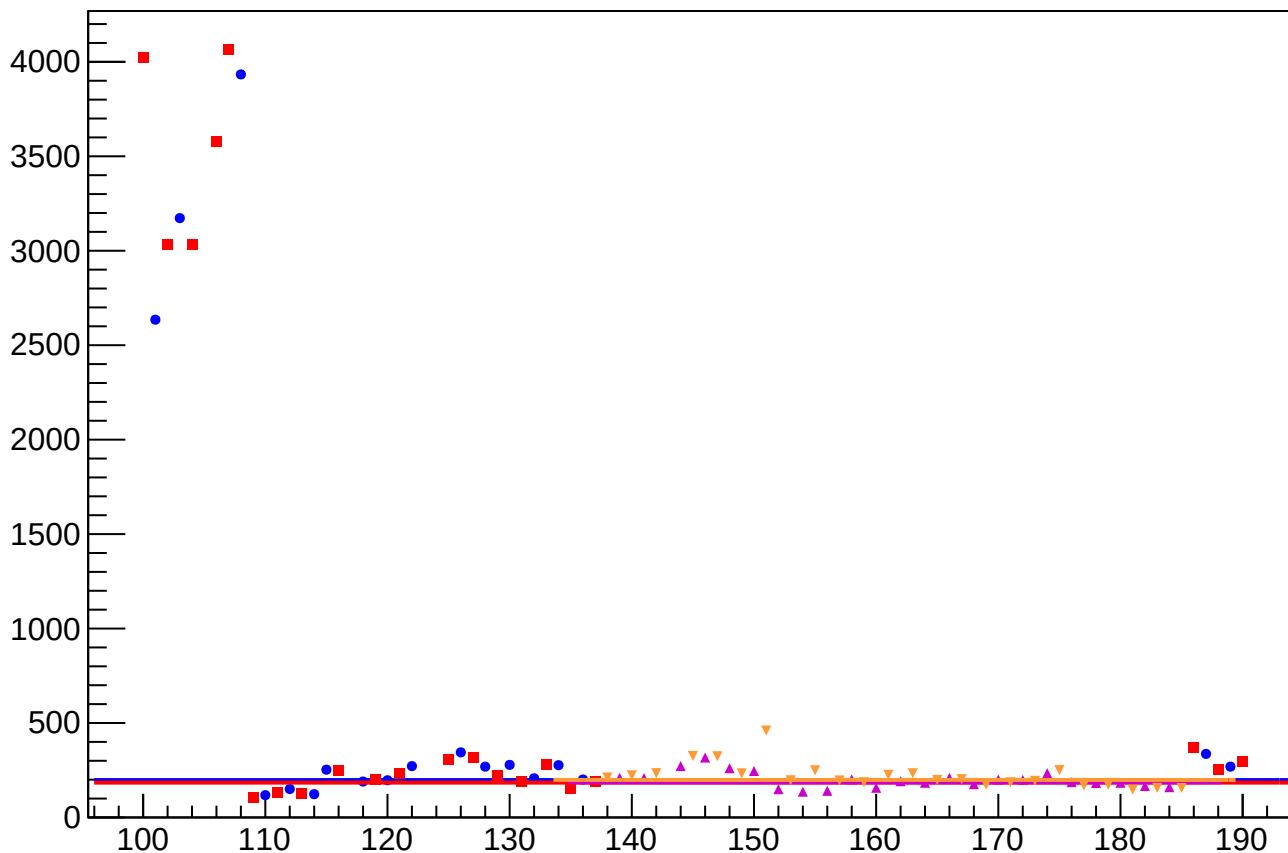
Left In: -122.809 ± 45.199 χ^2/NDF : 8.0/22

+ sign 82.354 ± 41.386 χ^2/NDF : 35.0/41

All: 6.925 ± 28.222 χ^2/NDF : 70.4/85

- sign -58.640 ± 38.585 χ^2/NDF : 29.2/43

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 197.956 $\pm$ 0.058 χ^2 /NDF: 3967876.1/17

Left Out: 198.736 $\pm$ 0.034 χ^2 /NDF: 1786406.6/23

Right Out: 184.448 $\pm$ 0.052 χ^2 /NDF: 4748230.9/20

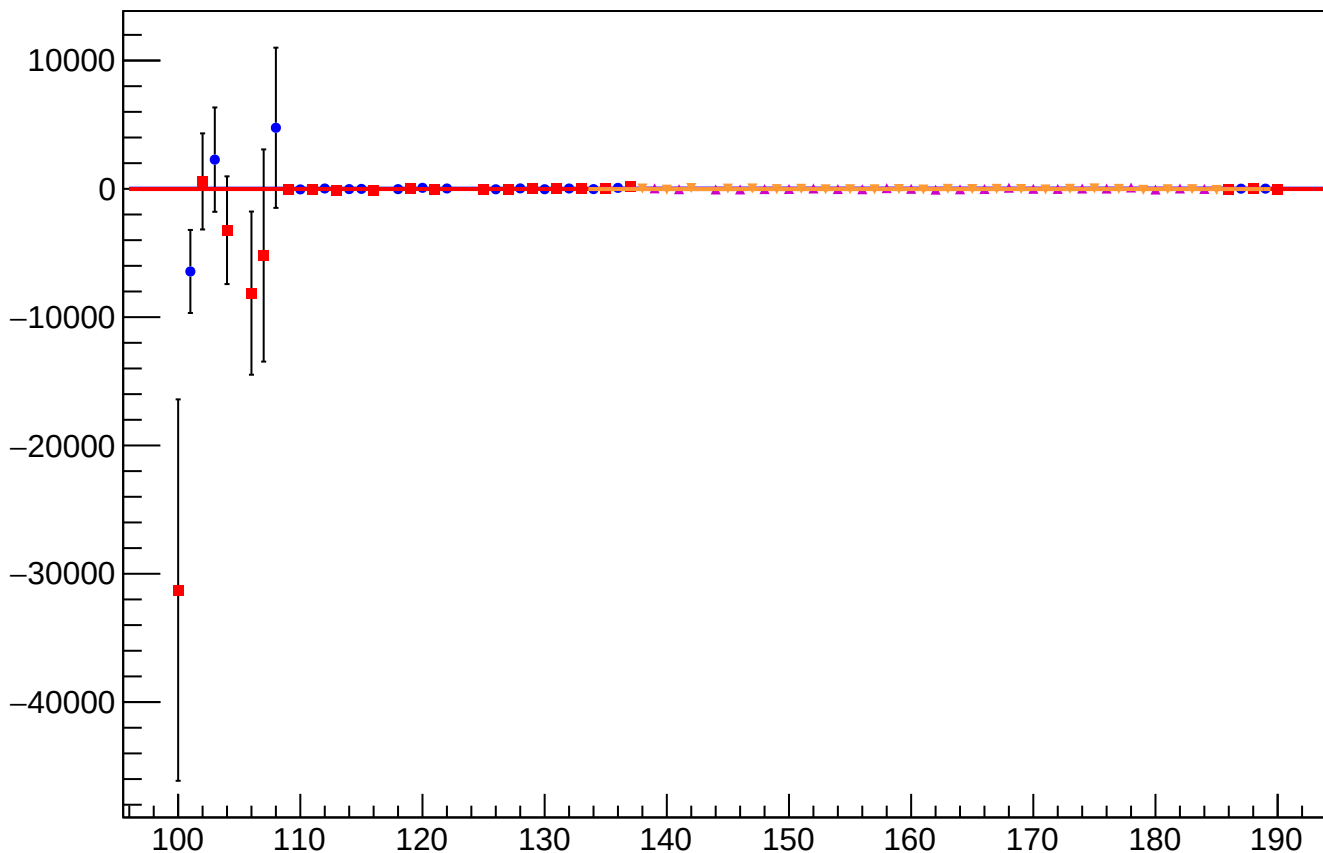
Left In: 185.871 $\pm$ 0.032 χ^2 /NDF: 1405525.2/22

+ sign 198.540 $\pm$ 0.029 χ^2 /NDF: 5754416.7/41

All: 191.556 $\pm$ 0.020 χ^2 /NDF: 12015163.2/85

- sign 185.485 $\pm$ 0.027 χ^2 /NDF: 6154294.0/43

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.859 $\pm$ 12.230 χ^2 /NDF: 15.5/17

Left Out: -18.187 $\pm$ 7.260 χ^2 /NDF:20.3/23

Right Out: -16.578 $\pm$ 11.691 χ^2 /NDF: 30.4/20

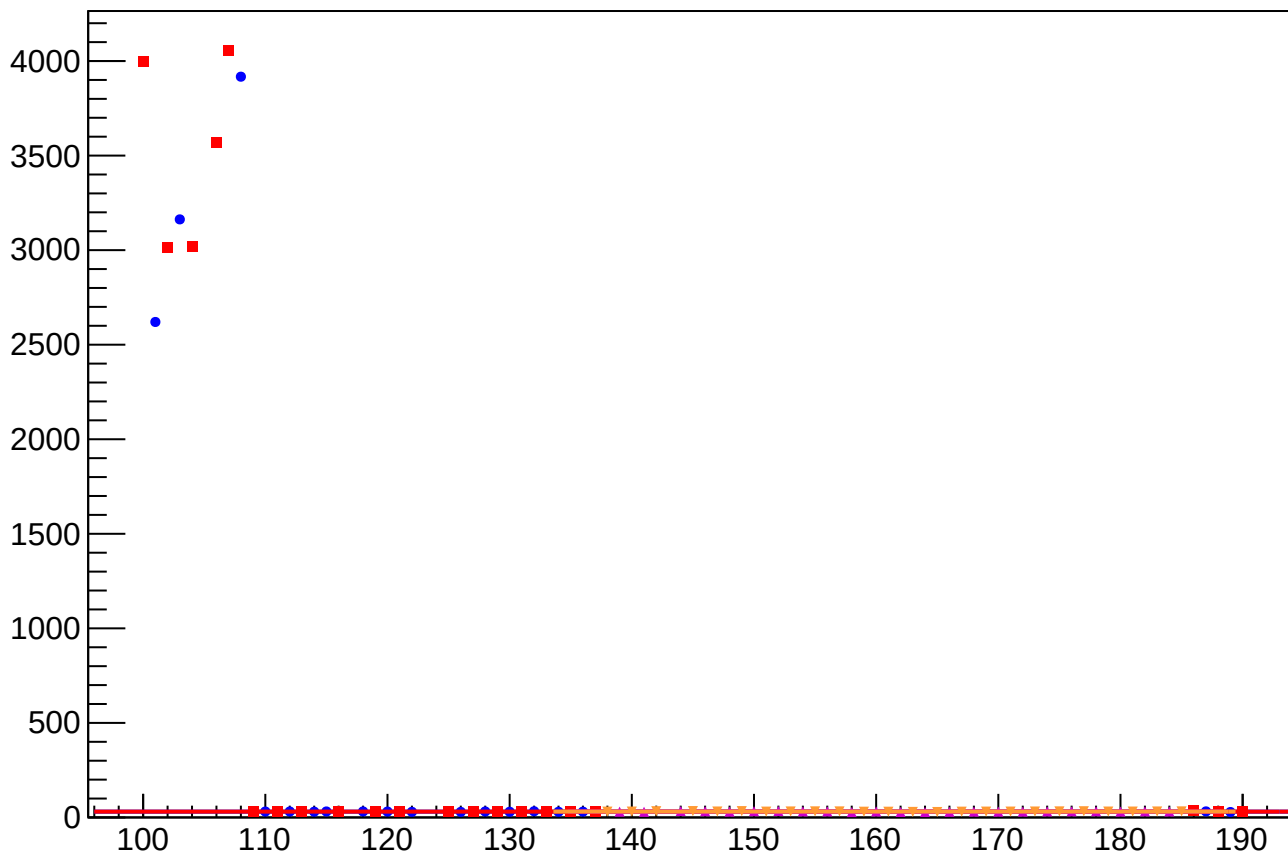
Left In: 2.709 $\pm$ 7.348 χ^2 /NDF:35.5/22

+ sign -9.838 $\pm$ 6.243 χ^2 /NDF: 40.8/41

All: -6.283 $\pm$ 4.407 χ^2 /NDF: 109.4/85

- sign -2.752 $\pm$ 6.221 χ^2 /NDF: 67.9/43

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.743+/-0.009 χ^2/NDF : 3259054.5/17

Left Out: 31.221+/-0.005 χ^2/NDF : 47423.0/23

Right Out: 30.868+/-0.008 χ^2/NDF : 3547631.0/20

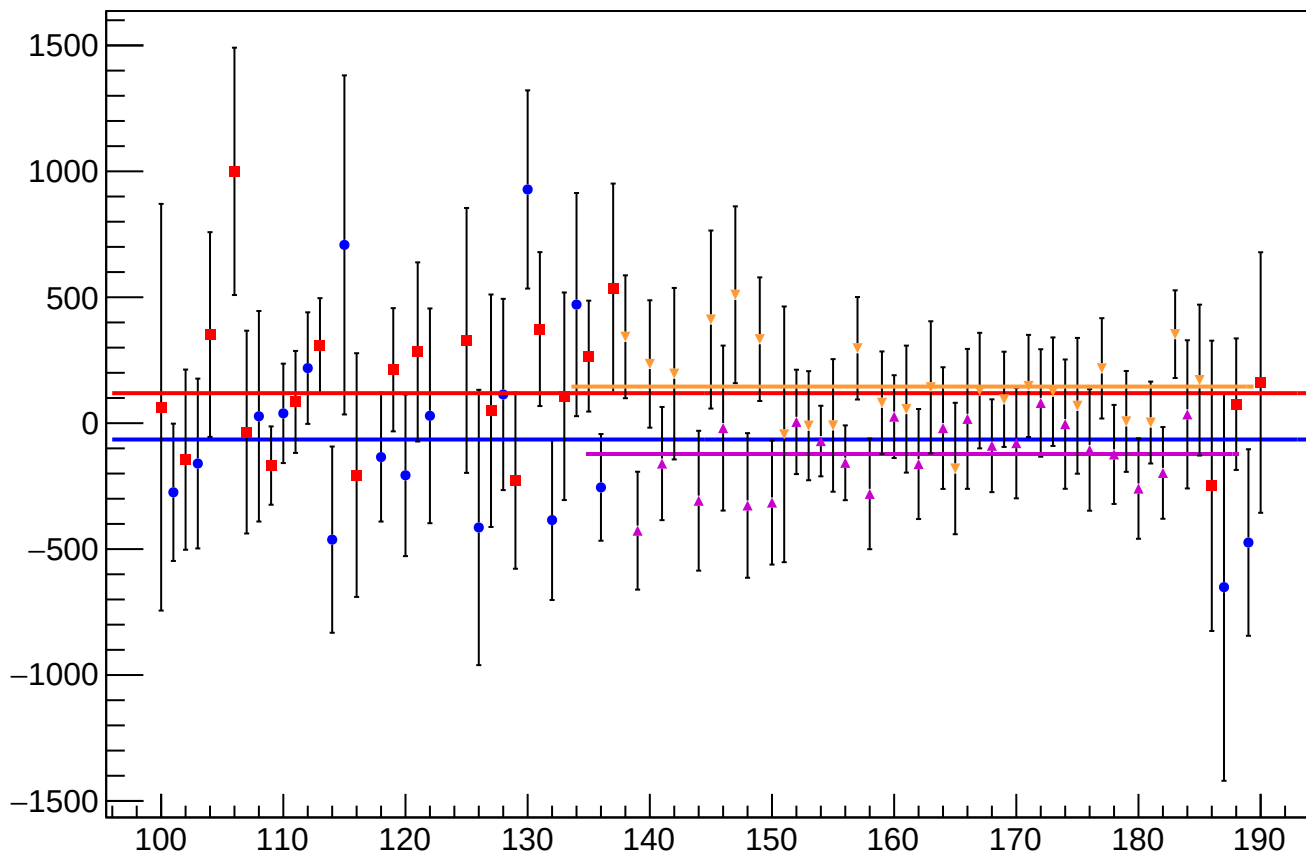
Left In: 31.379+/-0.005 χ^2/NDF : 85229.7/22

+ sign 31.097+/-0.004 χ^2/NDF : 3308740.2/41

All: 31.166+/-0.003 χ^2/NDF : 6944831.6/85

- sign 31.235+/-0.004 χ^2/NDF : 3635602.4/43

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -64.760 ± 75.157 $\chi^2/\text{NDF}: 17.5/17$

Left Out: 145.314 ± 47.390 $\chi^2/\text{NDF}: 9.4/23$

Right Out: 119.233 ± 66.061 $\chi^2/\text{NDF}: 13.2/20$

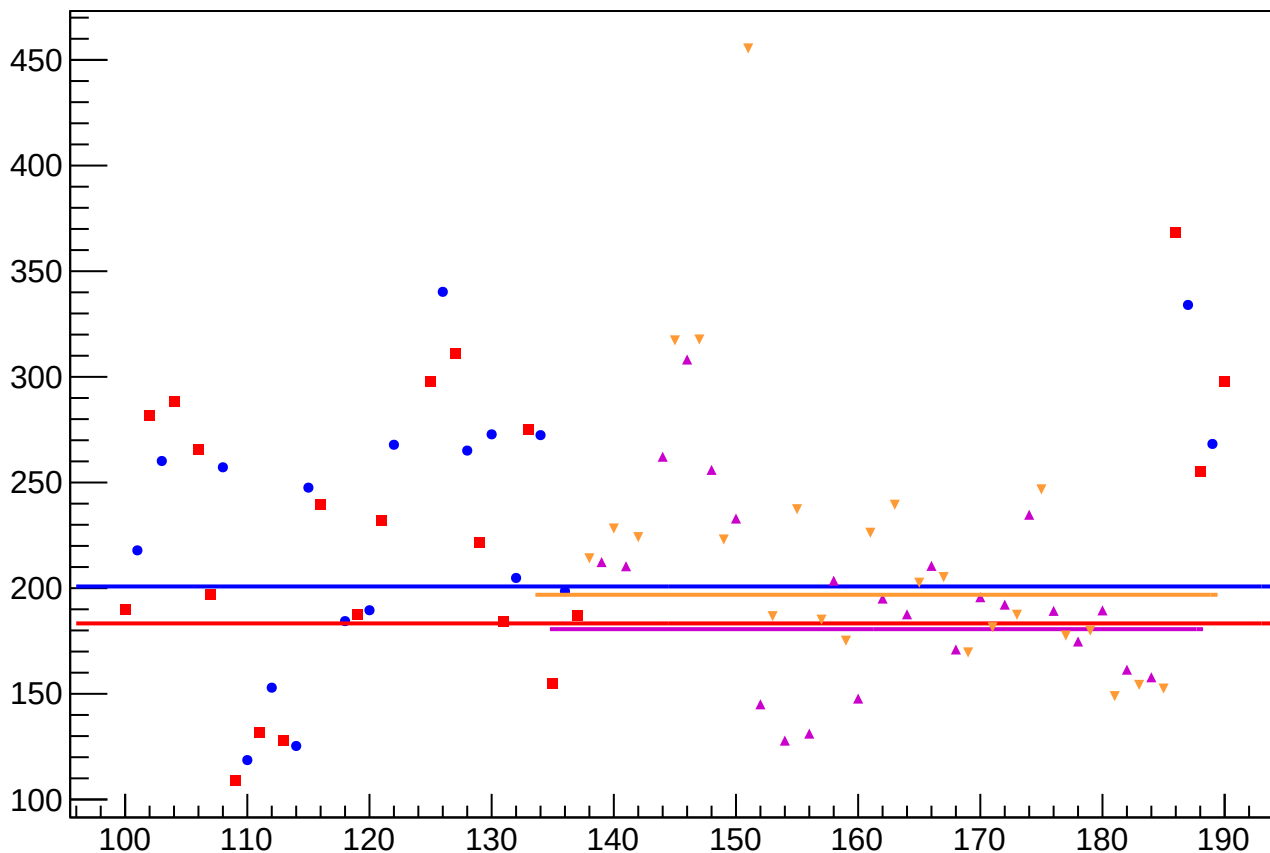
Left In: -122.376 ± 44.081 $\chi^2/\text{NDF}: 7.9/22$

+ sign 85.551 ± 40.087 $\chi^2/\text{NDF}: 32.5/41$

All: 12.870 ± 27.056 $\chi^2/\text{NDF}: 68.8/85$

- sign -47.941 ± 36.667 $\chi^2/\text{NDF}: 30.4/43$

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 200.809 $\pm$ 0.053 χ^2 /NDF: 1133263.1/17

Left Out: 196.873 $\pm$ 0.034 χ^2 /NDF:1725106.9/23

Right Out: 183.320 $\pm$ 0.047 χ^2 /NDF: 2028267.7/20

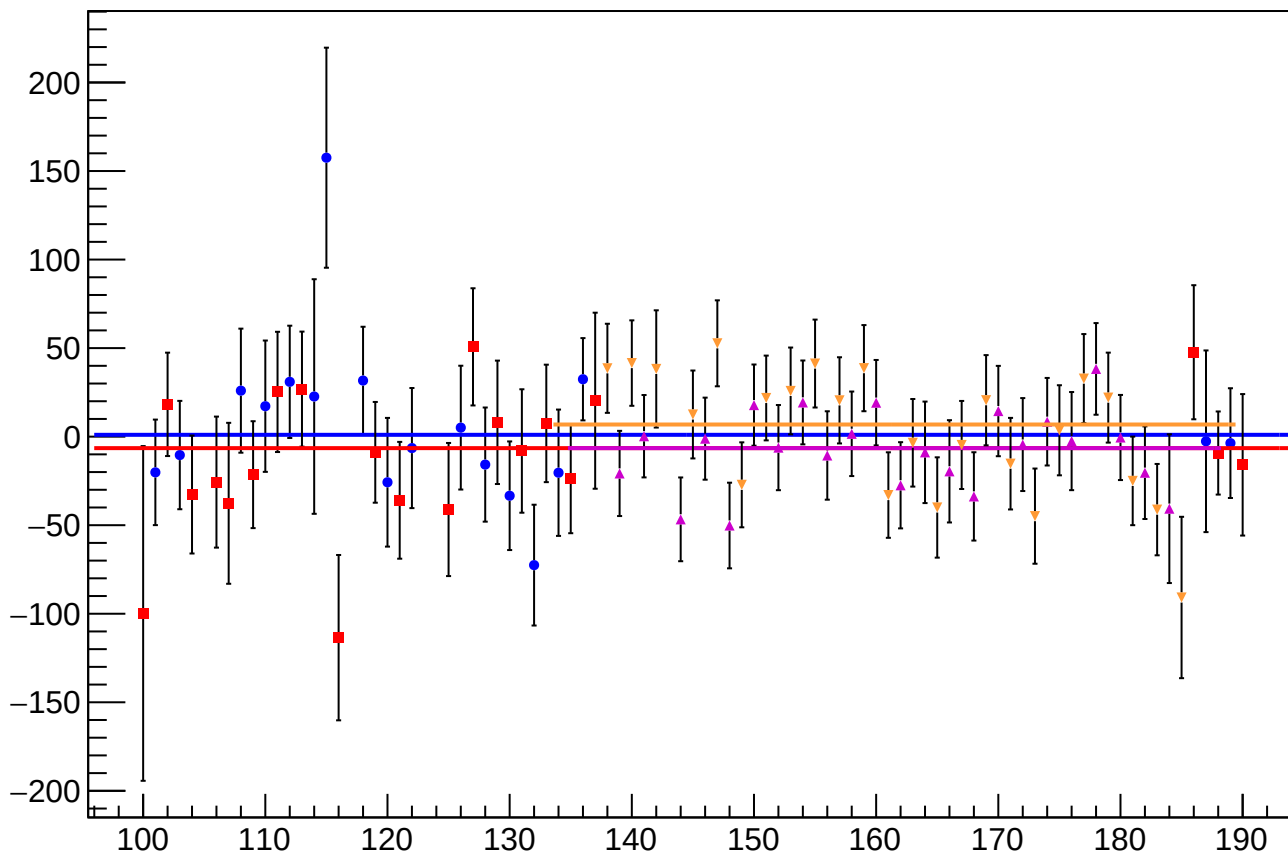
Left In: 180.601 $\pm$ 0.031 χ^2 /NDF:1628072.3/22

+ sign 197.993 $\pm$ 0.028 χ^2 /NDF: 2862294.5/41

All: 188.980 $\pm$ 0.019 χ^2 /NDF: 6706666.3/85

- sign 181.439 $\pm$ 0.026 χ^2 /NDF: 3658684.3/43

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.036 ± 7.982 $\chi^2/\text{NDF}: 18.7/17$

Left Out: 6.857 ± 5.229 $\chi^2/\text{NDF}: 36.8/23$

Right Out: -6.484 ± 7.515 $\chi^2/\text{NDF}: 18.2/20$

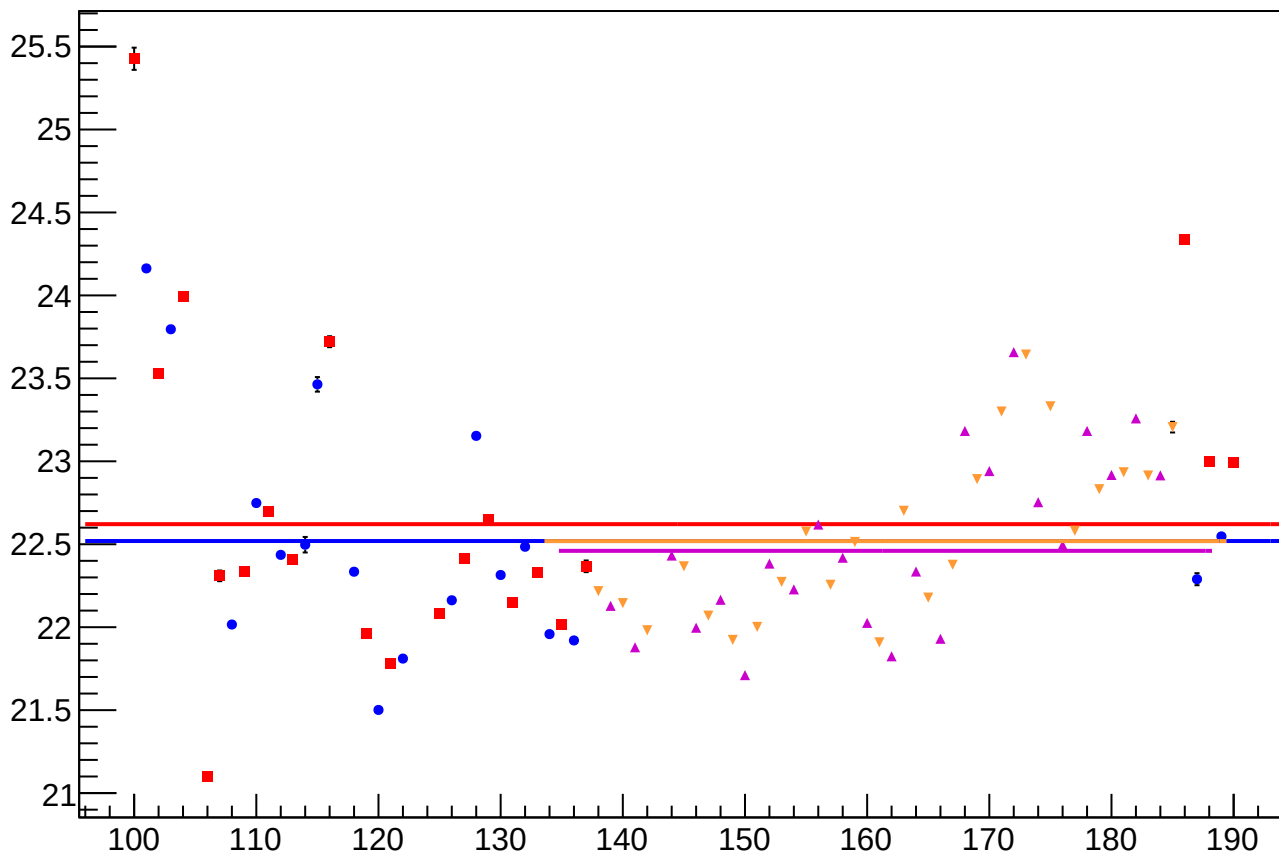
Left In: -6.482 ± 5.247 $\chi^2/\text{NDF}: 17.4/22$

+ sign 5.110 ± 4.374 $\chi^2/\text{NDF}: 55.9/41$

All: -0.783 ± 3.067 $\chi^2/\text{NDF}: 95.1/85$

- sign -6.483 ± 4.302 $\chi^2/\text{NDF}: 35.6/43$

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.519+/-0.006 χ^2/NDF : 15990.2/17

Left Out: 22.519+/-0.004 χ^2/NDF : 15998.2/23

Right Out: 22.621+/-0.005 χ^2/NDF : 20958.2/20

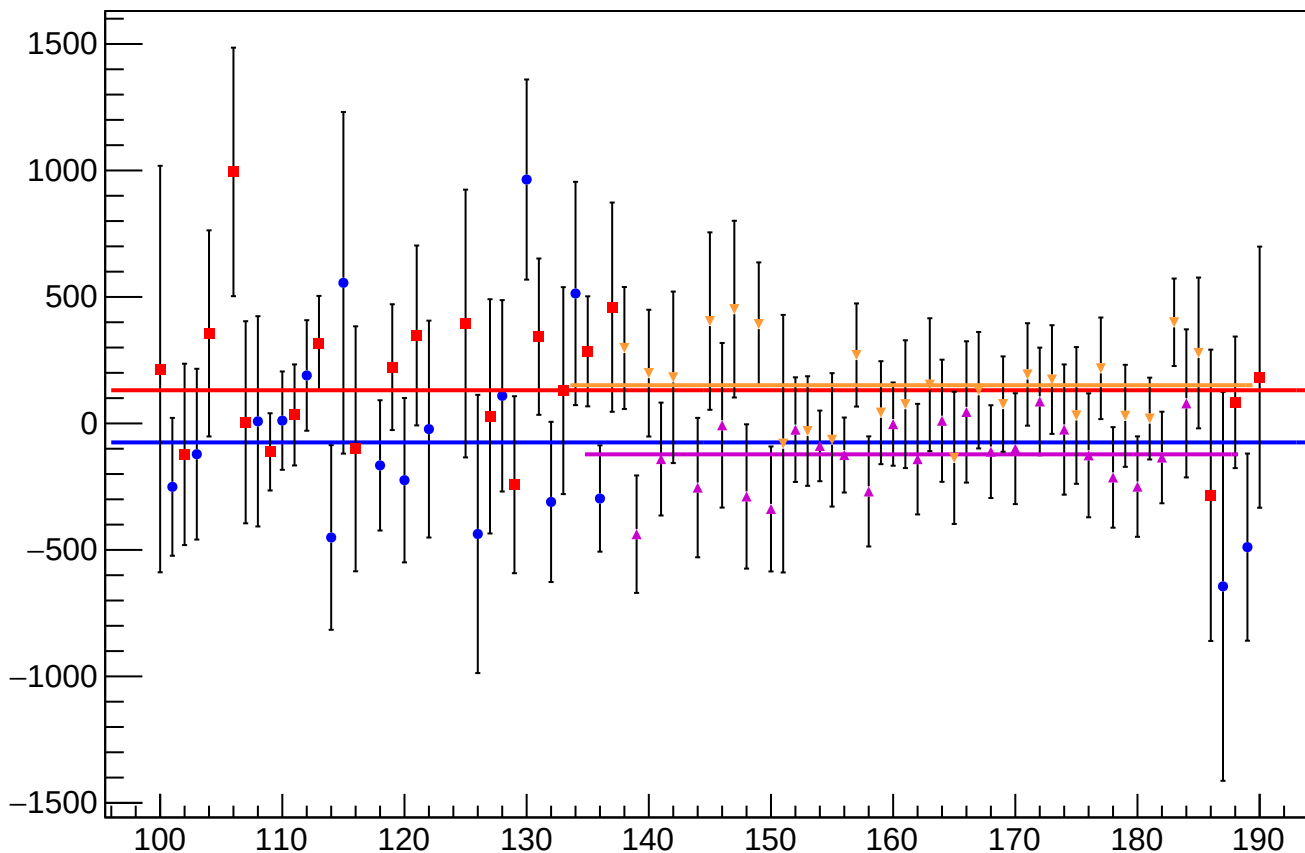
Left In: 22.460+/-0.004 χ^2/NDF : 19117.2/22

+ sign 22.519+/-0.003 χ^2/NDF : 31988.4/41

All: 22.516+/-0.002 χ^2/NDF : 72682.0/85

- sign 22.513+/-0.003 χ^2/NDF : 40691.6/43

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -75.018 ± 74.837 χ^2/NDF : 17.2/17

Left Out: 151.108 ± 47.316 χ^2/NDF : 10.0/23

Right Out: 131.172 ± 65.614 χ^2/NDF : 12.1/20

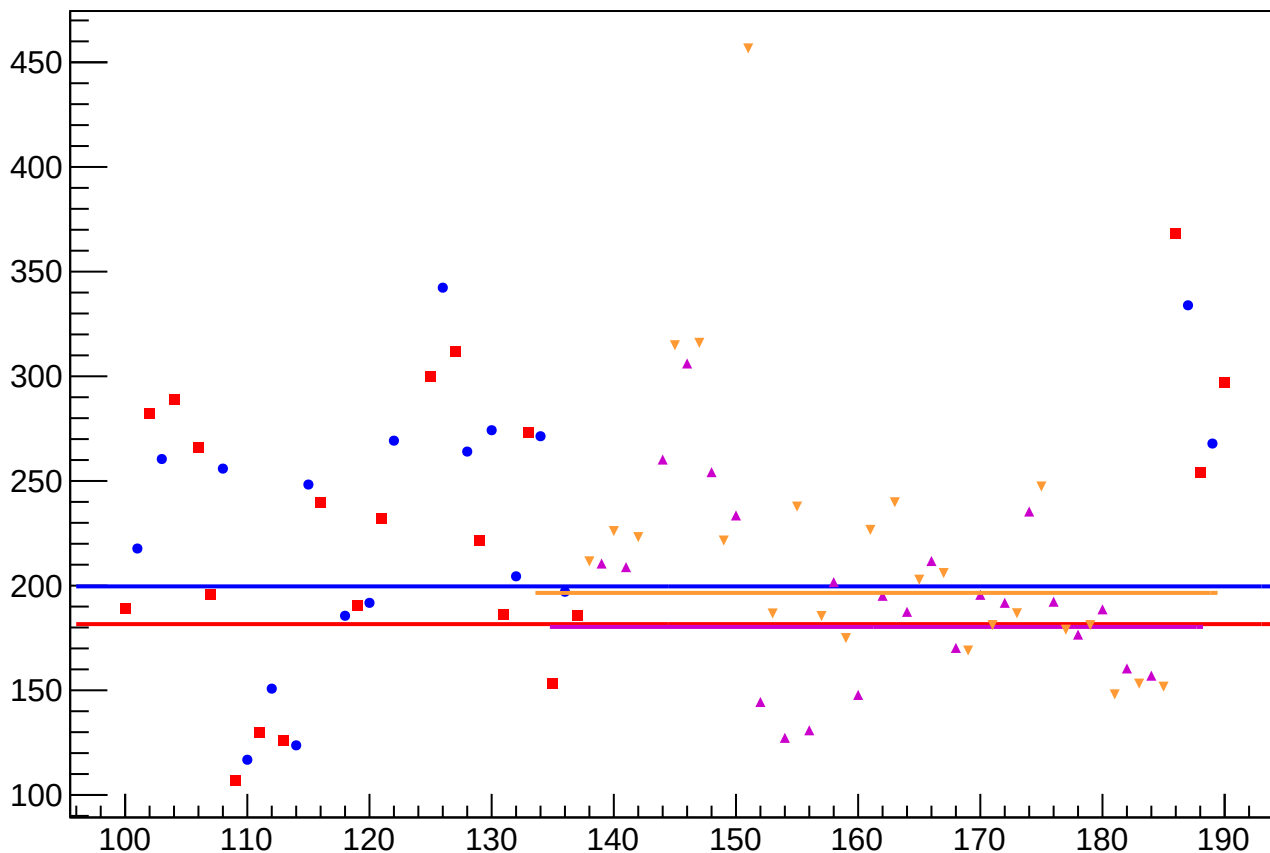
Left In: -122.165 ± 44.006 χ^2/NDF : 7.5/22

+ sign 86.530 ± 39.993 χ^2/NDF : 33.7/41

All: 15.638 ± 26.979 χ^2/NDF : 69.4/85

- sign -43.565 ± 36.547 χ^2/NDF : 29.9/43

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 199.643 $\pm$ 0.053 χ^2 /NDF: 1176738.0/17

Left Out: 196.533 $\pm$ 0.033 χ^2 /NDF:1727888.6/23

Right Out: 181.614 $\pm$ 0.046 χ^2 /NDF: 2106548.5/20

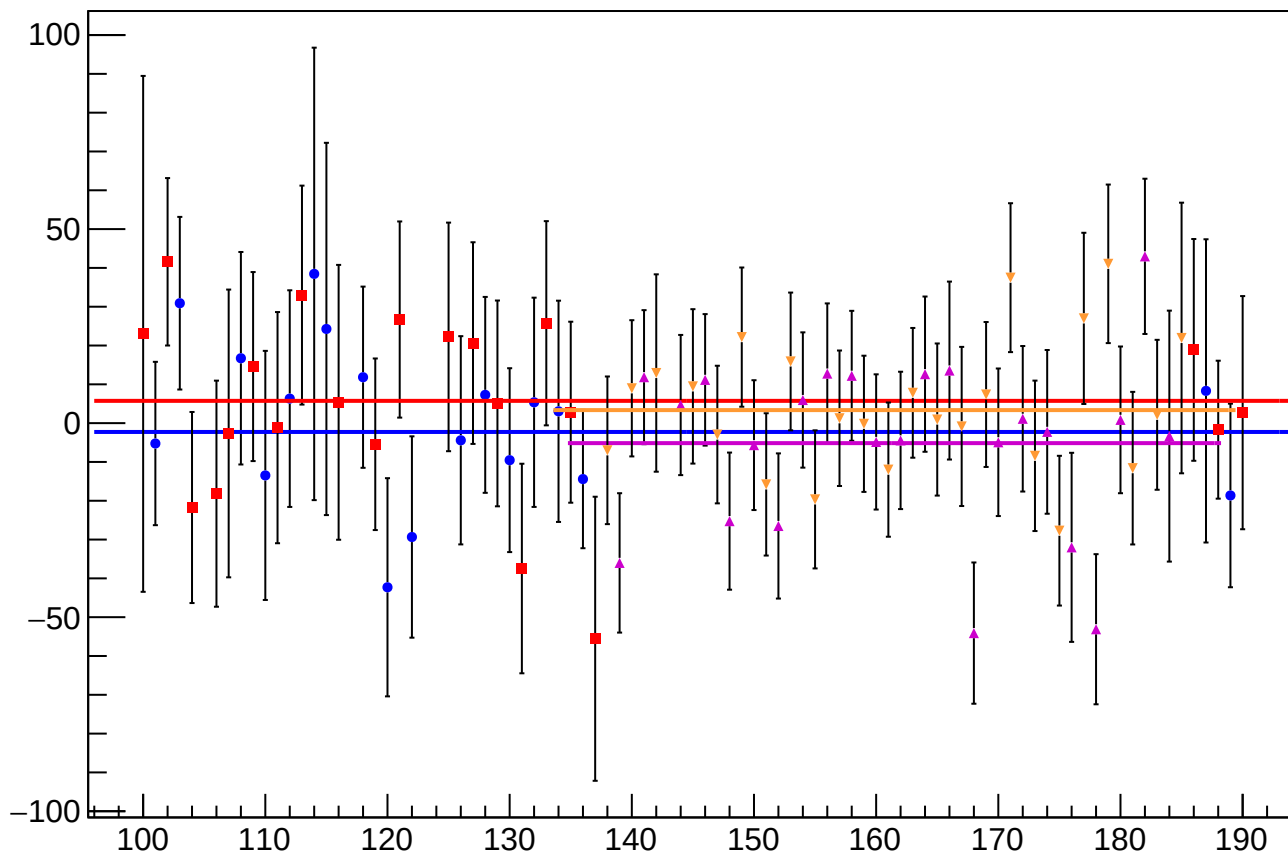
Left In: 180.274 $\pm$ 0.031 χ^2 /NDF:1624682.7/22

+ sign 197.421 $\pm$ 0.028 χ^2 /NDF: 2907093.1/41

All: 188.304 $\pm$ 0.019 χ^2 /NDF: 6829646.0/85

- sign 180.690 $\pm$ 0.026 χ^2 /NDF: 3731806.7/43

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -2.273 ± 6.187 χ^2/NDF : 8.6/17

Left Out: 3.359 ± 3.905 χ^2/NDF : 17.7/23

Right Out: 5.742 ± 5.835 χ^2/NDF : 13.9/20

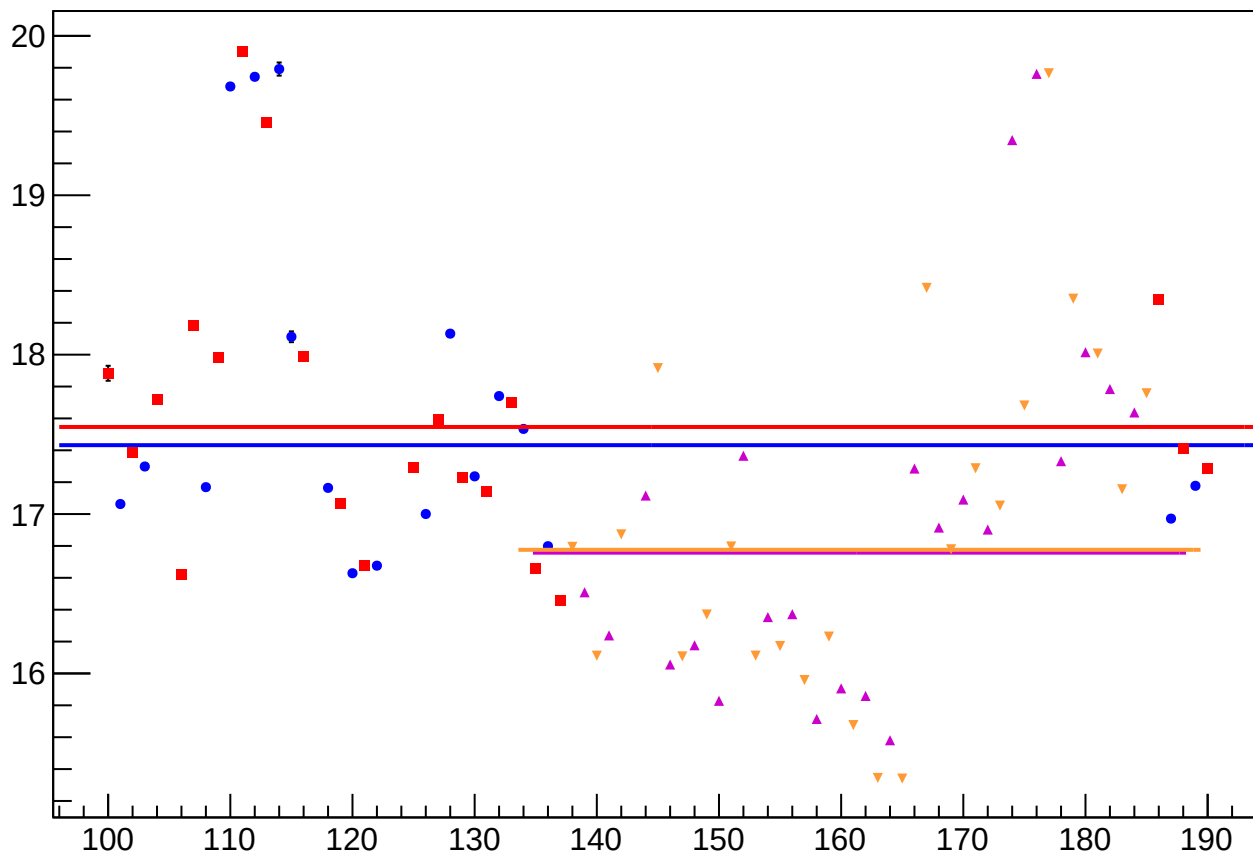
Left In: -5.150 ± 3.924 χ^2/NDF : 32.3/22

+ sign 1.755 ± 3.302 χ^2/NDF : 26.9/41

All: -0.026 ± 2.319 χ^2/NDF : 76.0/85

- sign -1.758 ± 3.256 χ^2/NDF : 48.5/43

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.432 $\pm$ 0.004 χ^2/NDF : 37209.2/17

Left Out: 16.776 $\pm$ 0.003 χ^2/NDF :136142.5/23

Right Out: 17.546 $\pm$ 0.004 χ^2/NDF : 36308.6/20

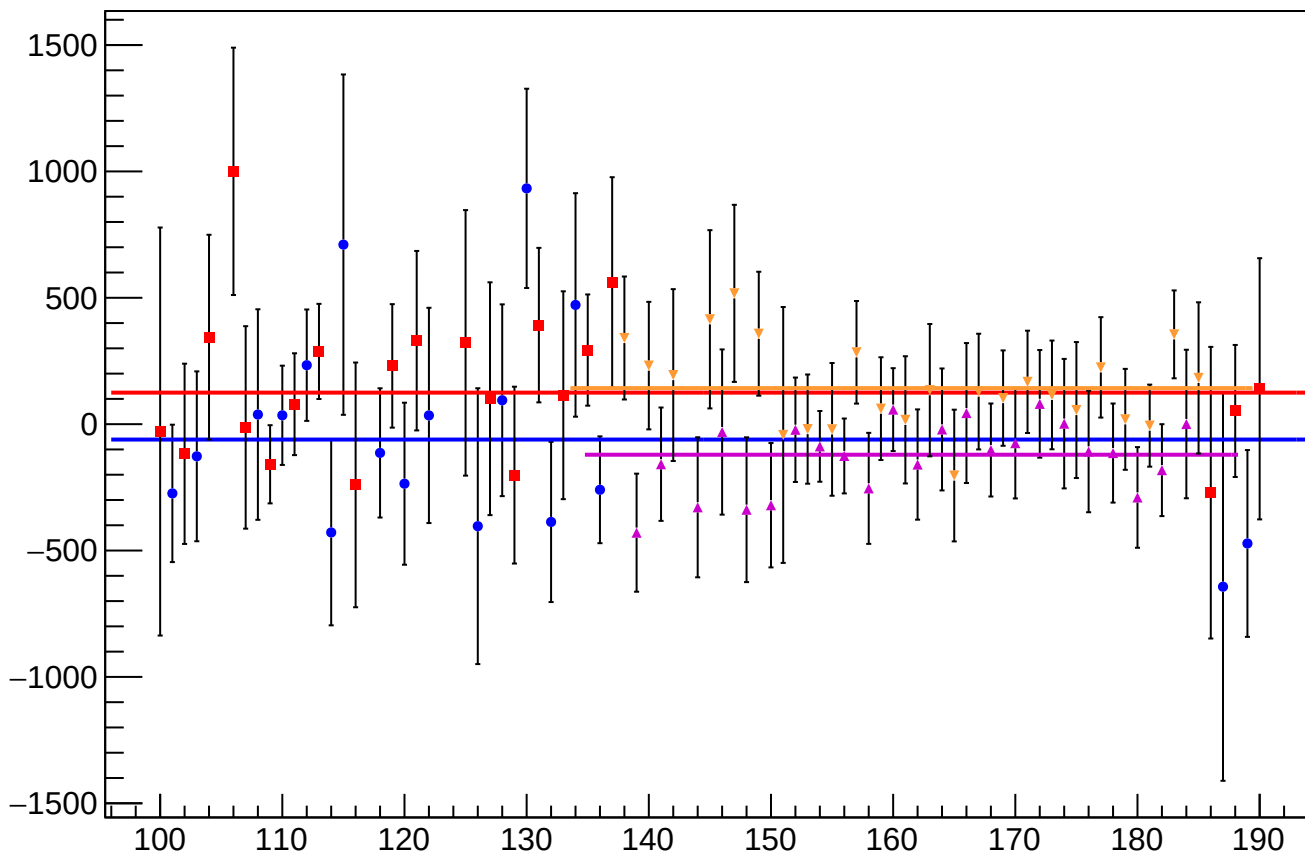
Left In: 16.758 $\pm$ 0.003 χ^2/NDF :123306.8/22

+ sign 16.963 $\pm$ 0.002 χ^2/NDF : 189452.2/41

All: 16.983 $\pm$ 0.002 χ^2/NDF : 374371.8/85

- sign 17.003 $\pm$ 0.002 χ^2/NDF : 184765.9/43

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -60.890 ± 74.942 χ^2/NDF : 17.6/17

Left Out: 142.696 ± 47.288 χ^2/NDF : 10.2/23

Right Out: 124.777 ± 65.868 χ^2/NDF : 13.4/20

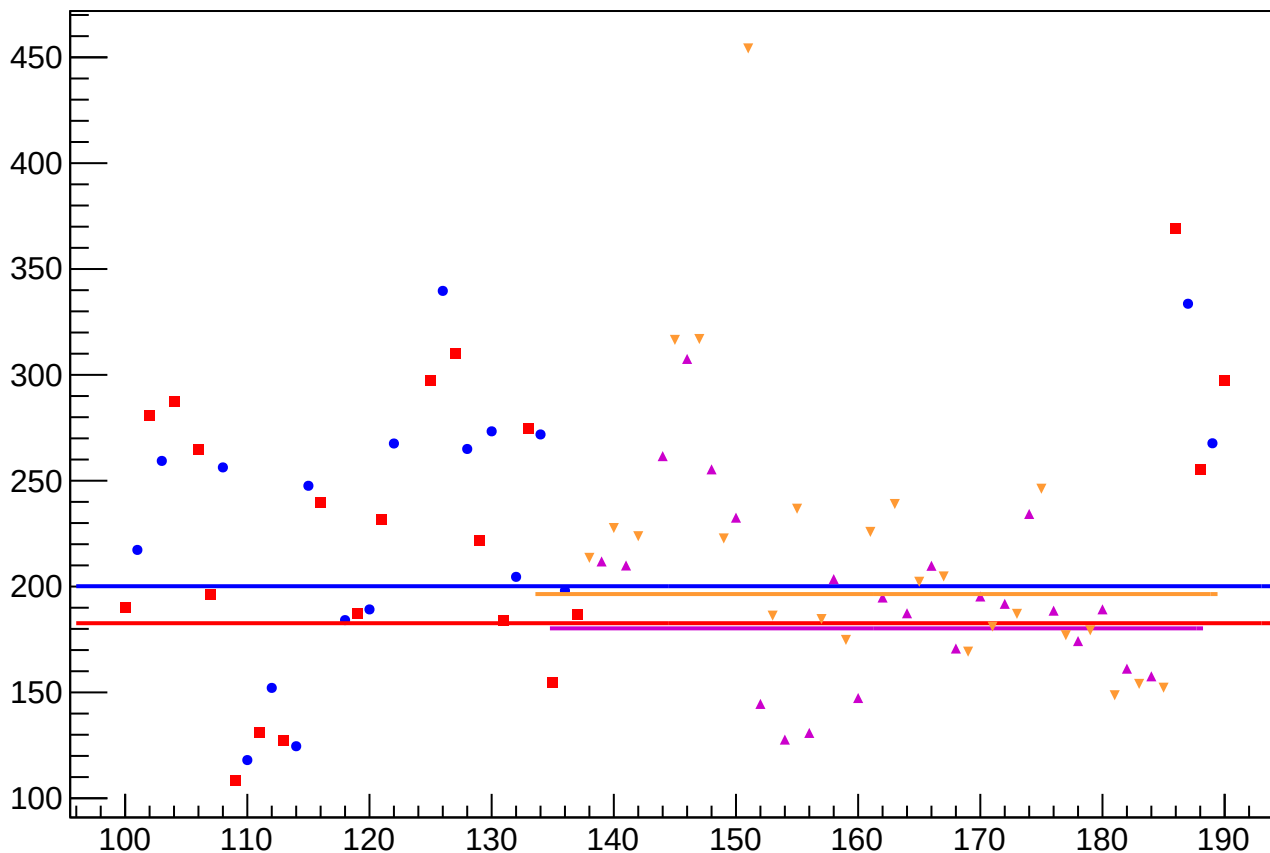
Left In: -120.888 ± 43.994 χ^2/NDF : 8.2/22

+ sign 84.722 ± 39.992 χ^2/NDF : 33.0/41

All: 14.044 ± 26.993 χ^2/NDF : 69.9/85

- sign -45.103 ± 36.584 χ^2/NDF : 31.2/43

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 200.163 $\pm$ 0.053 χ^2 /NDF: 1144306.6/17

Left Out: 196.452 $\pm$ 0.033 χ^2 /NDF:1723529.1/23

Right Out: 182.689 $\pm$ 0.047 χ^2 /NDF: 2044719.5/20

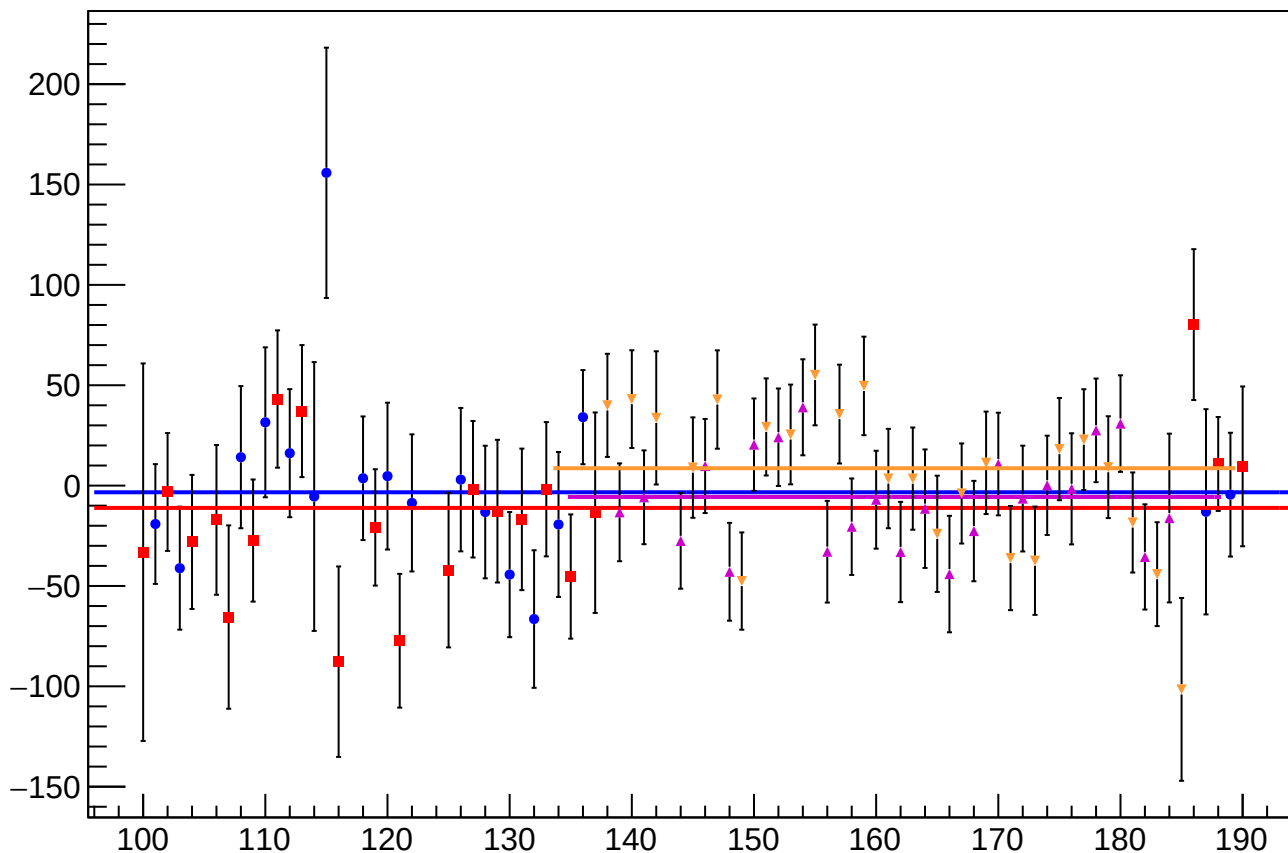
Left In: 180.248 $\pm$ 0.031 χ^2 /NDF:1627777.0/22

+ sign 197.509 $\pm$ 0.028 χ^2 /NDF: 2871343.4/41

All: 188.522 $\pm$ 0.019 χ^2 /NDF: 6731260.7/85

- sign 181.001 $\pm$ 0.026 χ^2 /NDF: 3674395.5/43

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -3.323 ± 8.051 χ^2/NDF : 18.0/17

Left Out: 8.664 ± 5.275 χ^2/NDF : 39.2/23

Right Out: -11.116 ± 7.581 χ^2/NDF : 22.5/20

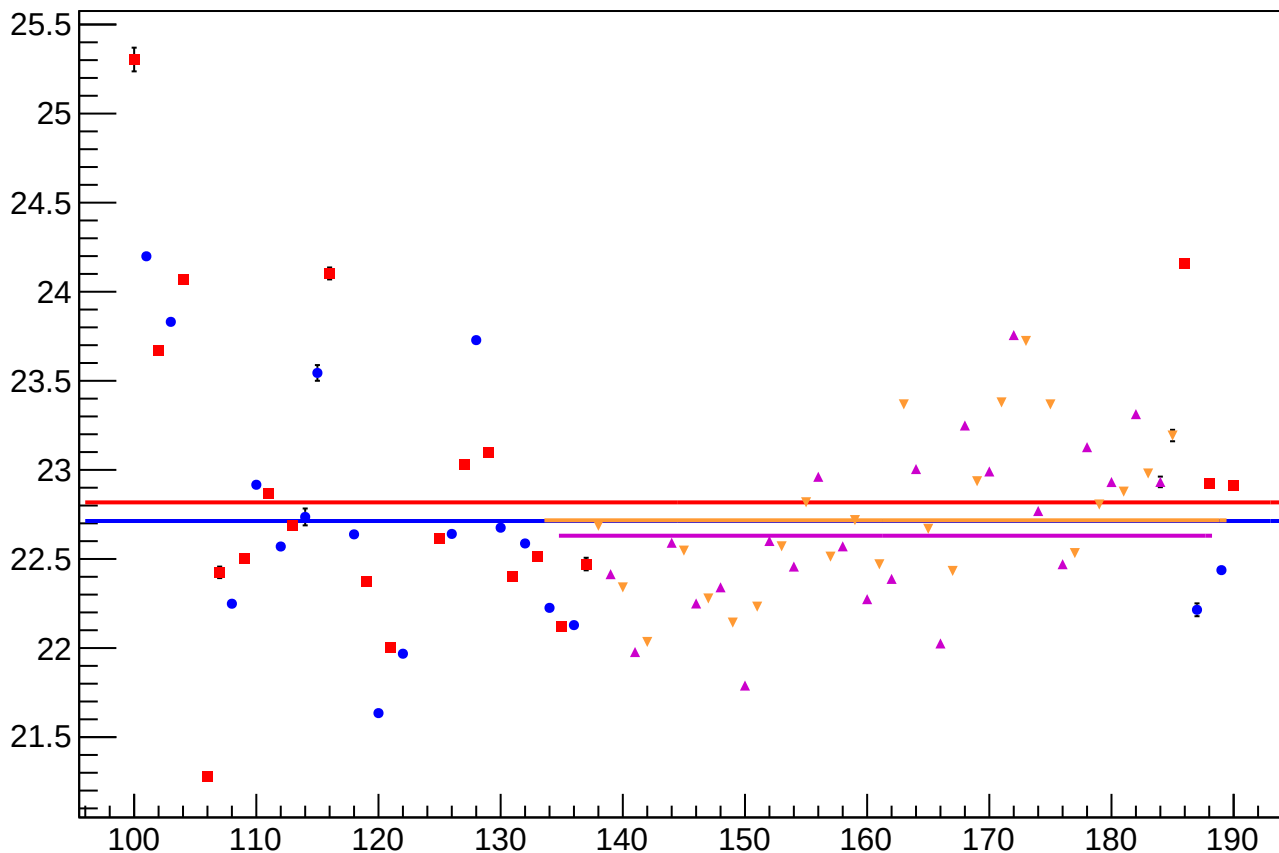
Left In: -5.668 ± 5.286 χ^2/NDF : 20.8/22

+ sign 5.065 ± 4.412 χ^2/NDF : 58.7/41

All: -1.302 ± 3.093 χ^2/NDF : 106.5/85

- sign -7.450 ± 4.336 χ^2/NDF : 43.7/43

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.713+/-0.006 χ^2 /NDF: 15005.8/17

Left Out: 22.717+/-0.004 χ^2 /NDF:12177.5/23

Right Out: 22.818+/-0.005 χ^2 /NDF: 17197.2/20

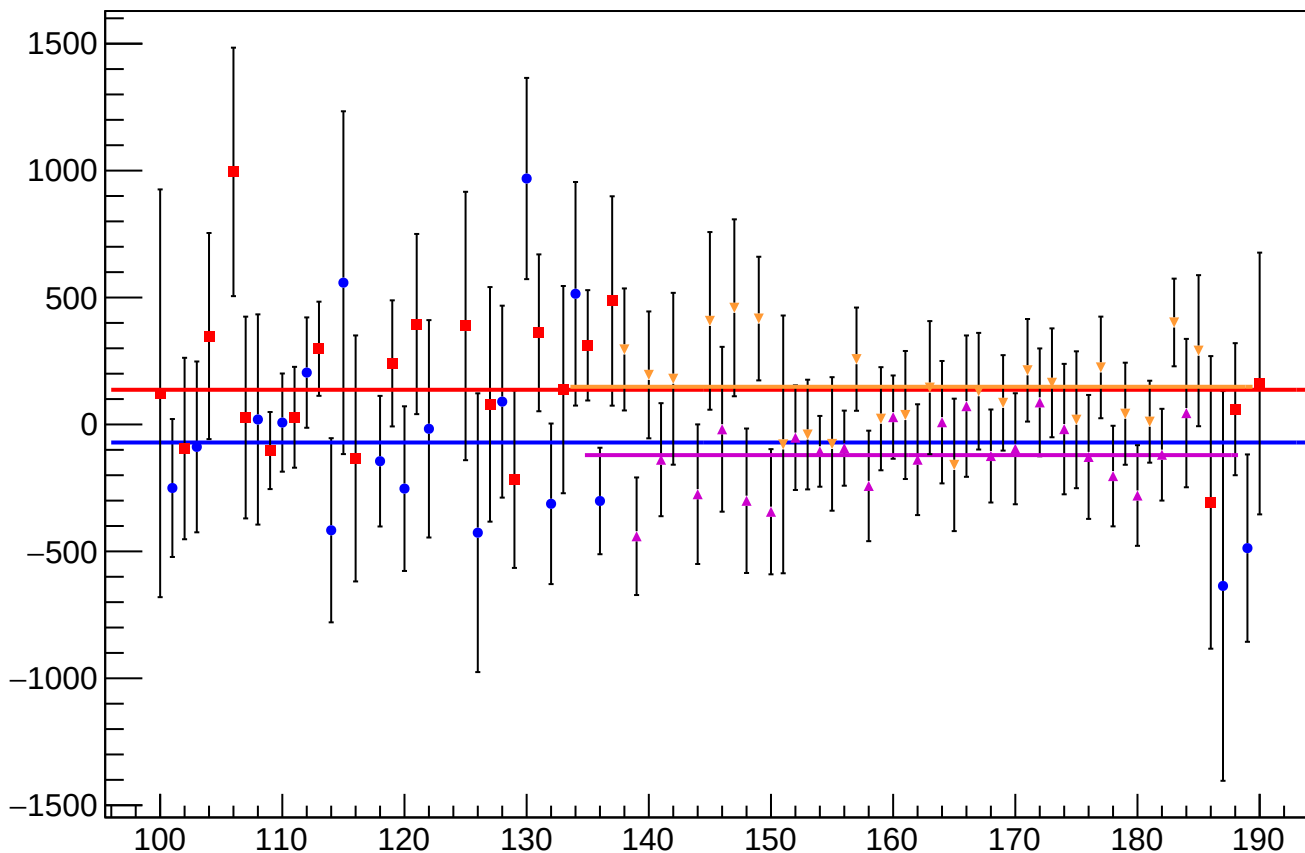
Left In: 22.631+/-0.004 χ^2 /NDF:15391.4/22

+ sign 22.716+/-0.003 χ^2 /NDF: 27183.6/41

All: 22.704+/-0.002 χ^2 /NDF: 60622.1/85

- sign 22.692+/-0.003 χ^2 /NDF: 33408.2/43

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -71.053 ± 74.619 $\chi^2/\text{NDF}: 17.3/17$

Left Out: 148.424 ± 47.213 $\chi^2/\text{NDF}: 10.9/23$

Right Out: 136.625 ± 65.417 $\chi^2/\text{NDF}: 12.2/20$

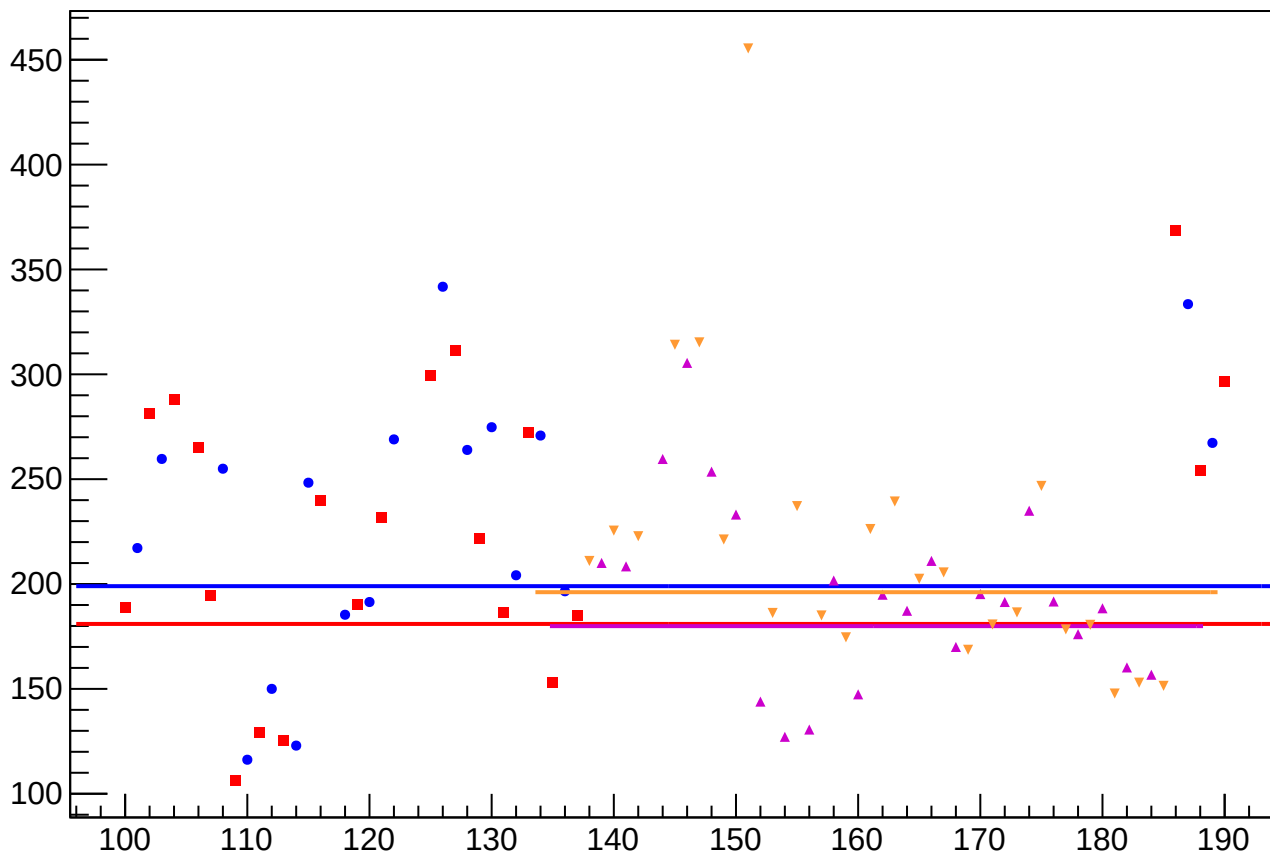
Left In: -120.760 ± 43.920 $\chi^2/\text{NDF}: 7.9/22$

+ sign 85.679 ± 39.898 $\chi^2/\text{NDF}: 34.4/41$

All: 16.770 ± 26.916 $\chi^2/\text{NDF}: 70.7/85$

- sign -40.789 ± 36.464 $\chi^2/\text{NDF}: 30.8/43$

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 198.986 $\pm$ 0.053 χ^2 /NDF: 1188435.4/17

Left Out: 196.112 $\pm$ 0.033 χ^2 /NDF:1726285.1/23

Right Out: 180.970 $\pm$ 0.046 χ^2 /NDF: 2123912.0/20

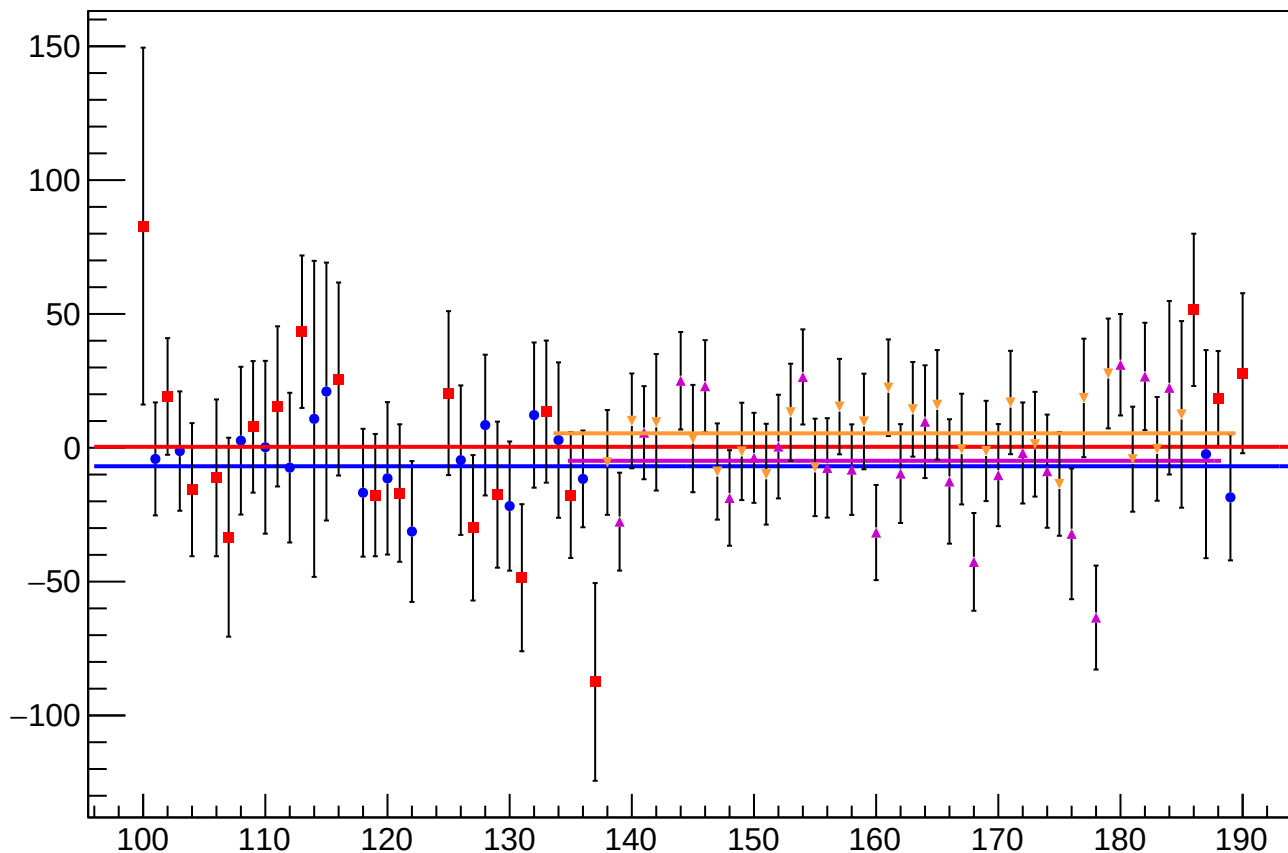
Left In: 179.923 $\pm$ 0.031 χ^2 /NDF:1624144.3/22

+ sign 196.934 $\pm$ 0.028 χ^2 /NDF: 2916839.5/41

All: 187.842 $\pm$ 0.019 χ^2 /NDF: 6855840.5/85

- sign 180.249 $\pm$ 0.026 χ^2 /NDF: 3748408.9/43

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.898 ± 6.265 $\chi^2/\text{NDF}: 3.4/17$

Left Out: 5.406 ± 3.972 $\chi^2/\text{NDF}: 7.8/23$

Right Out: 0.363 ± 5.910 $\chi^2/\text{NDF}: 24.7/20$

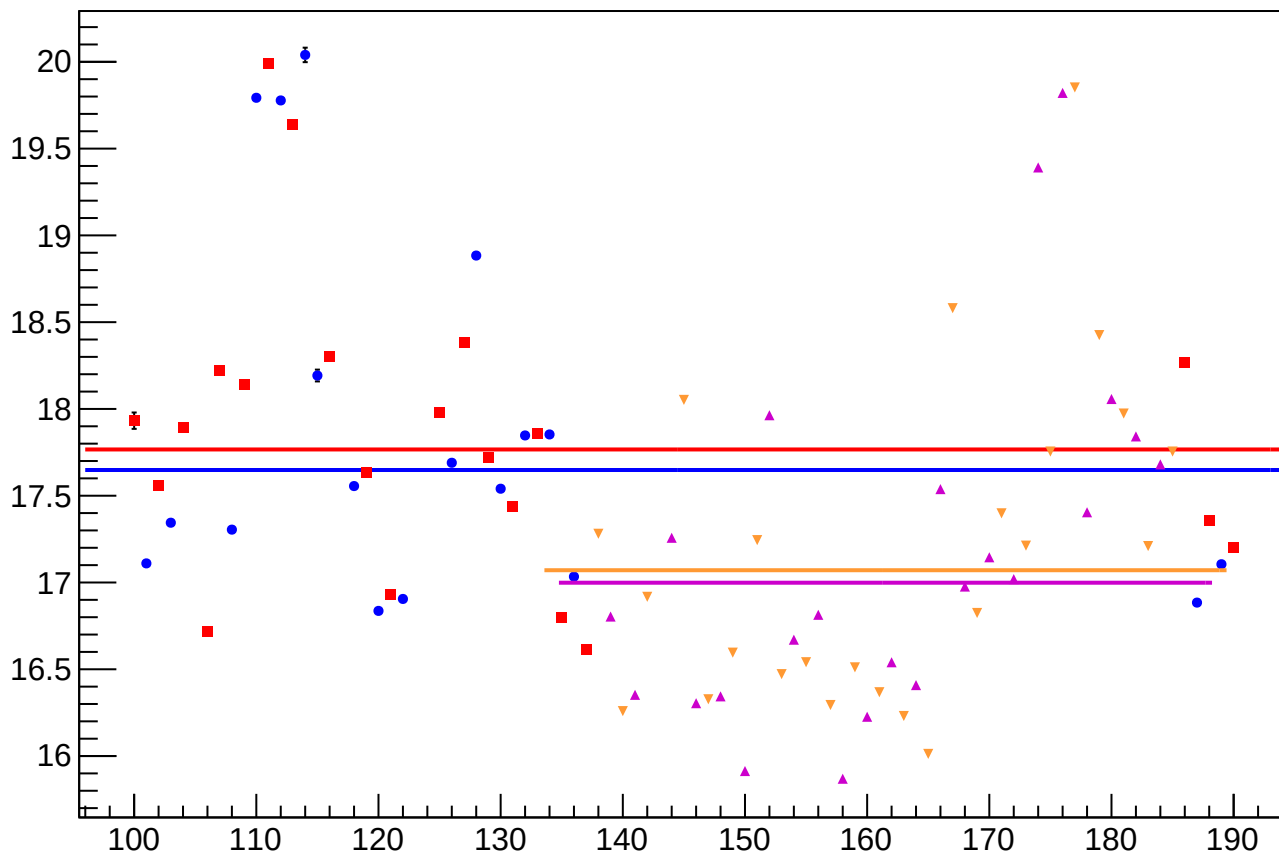
Left In: -4.858 ± 3.980 $\chi^2/\text{NDF}: 35.5/22$

+ sign 1.879 ± 3.355 $\chi^2/\text{NDF}: 13.9/41$

All: -0.716 ± 2.353 $\chi^2/\text{NDF}: 75.9/85$

- sign -3.229 ± 3.301 $\chi^2/\text{NDF}: 60.8/43$

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.648 $\pm$ 0.004 χ^2 /NDF: 38009.9/17

Left Out: 17.071 $\pm$ 0.003 χ^2 /NDF: 96312.6/23

Right Out: 17.767 $\pm$ 0.004 χ^2 /NDF: 35049.6/20

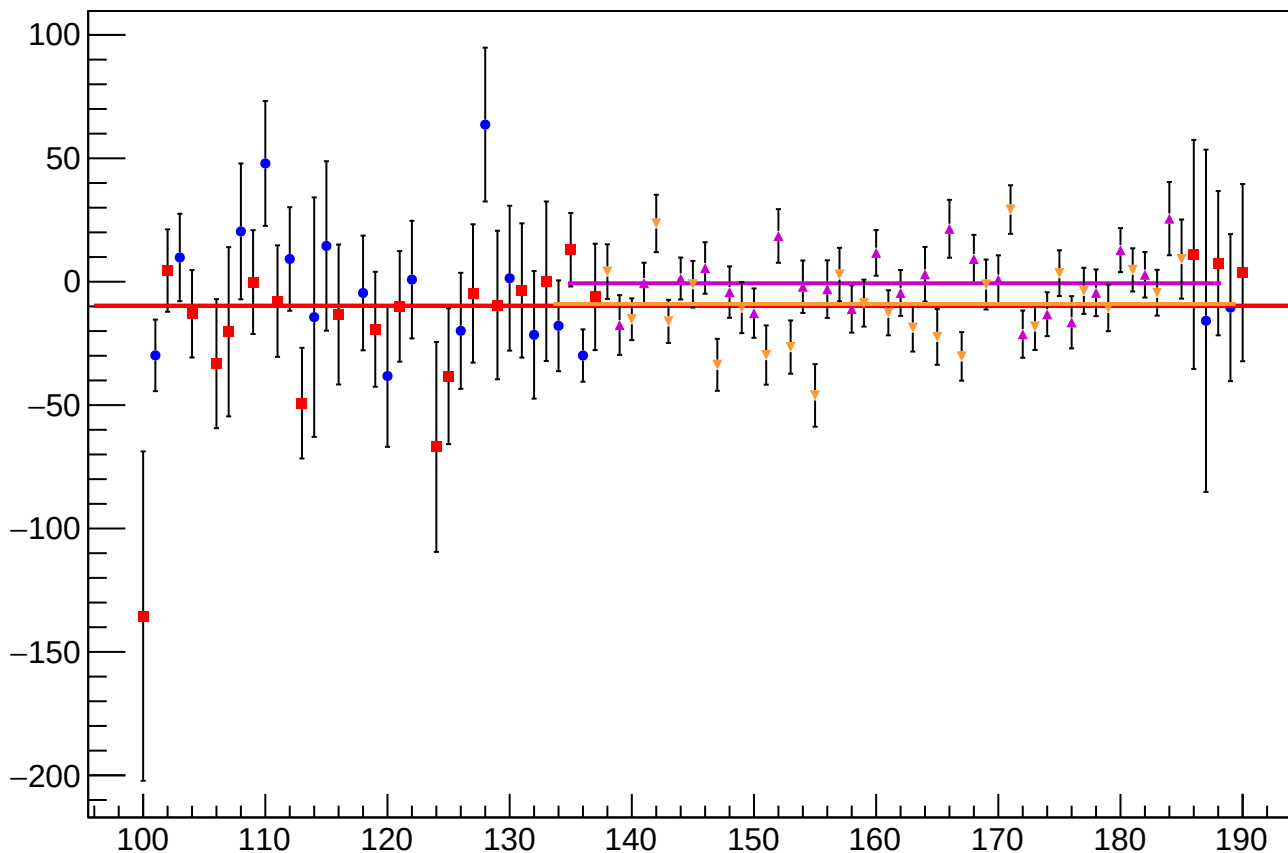
Left In: 16.999 $\pm$ 0.003 χ^2 /NDF: 104021.0/22

+ sign 17.236 $\pm$ 0.002 χ^2 /NDF: 146441.1/41

All: 17.237 $\pm$ 0.002 χ^2 /NDF: 308735.3/85

- sign 17.238 $\pm$ 0.002 χ^2 /NDF: 162293.8/43

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.759 $\pm$ 5.138 χ^2 /NDF: 22.0/17

Left Out: -9.027 $\pm$ 2.006 χ^2 /NDF: 62.0/24

Right Out: -9.748 $\pm$ 5.252 χ^2 /NDF: 14.8/21

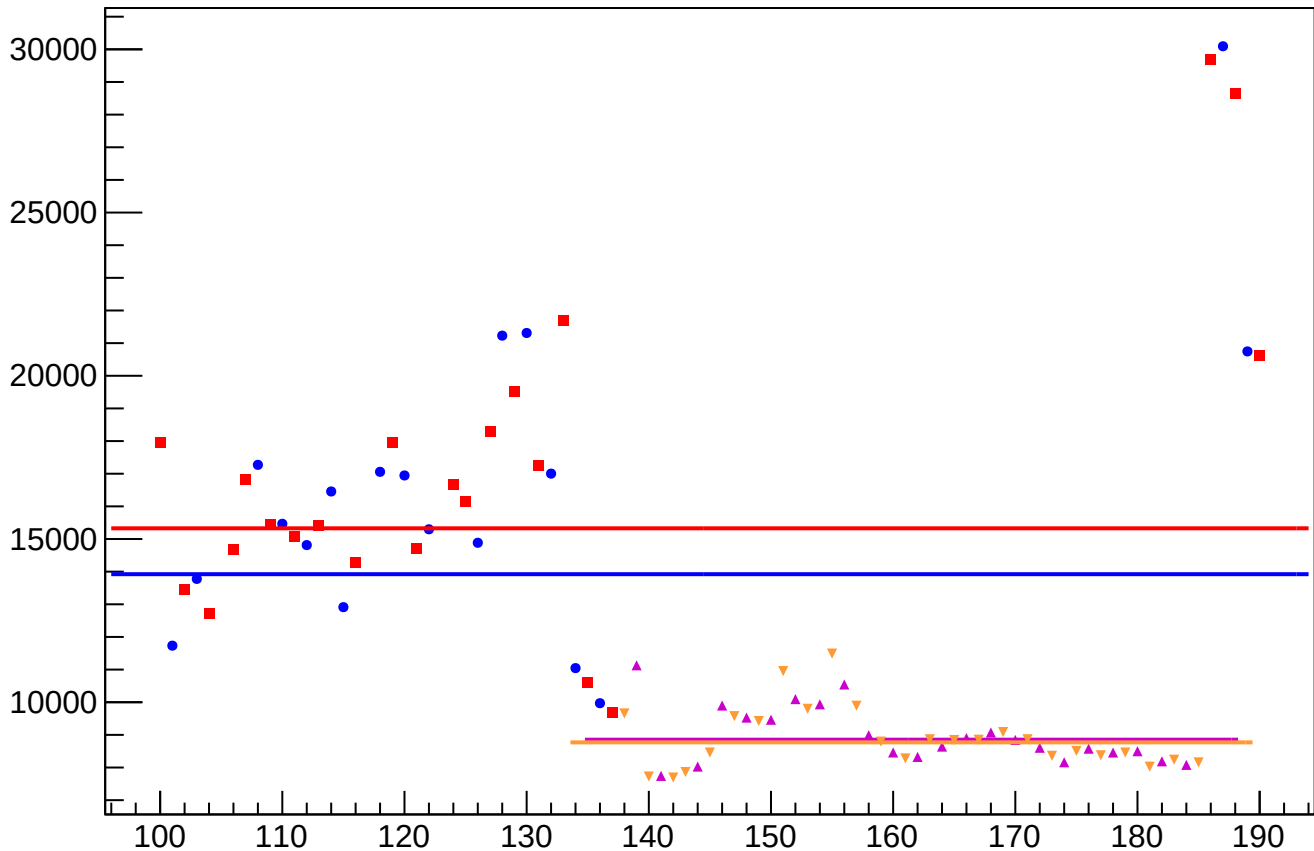
Left In: -0.628 $\pm$ 2.079 χ^2 /NDF: 29.5/22

+ sign -9.124 $\pm$ 1.869 χ^2 /NDF: 84.0/42

All: -5.617 $\pm$ 1.344 χ^2 /NDF: 138.2/87

- sign -1.864 $\pm$ 1.933 χ^2 /NDF: 46.9/44

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13922.278+/-3.633 χ^2/NDF : 967375.7/17

Left Out: 8770.330+/-1.419 χ^2/NDF : 345180.6/24

Right Out: 15327.688+/-3.714 χ^2/NDF : 1245587.4/21

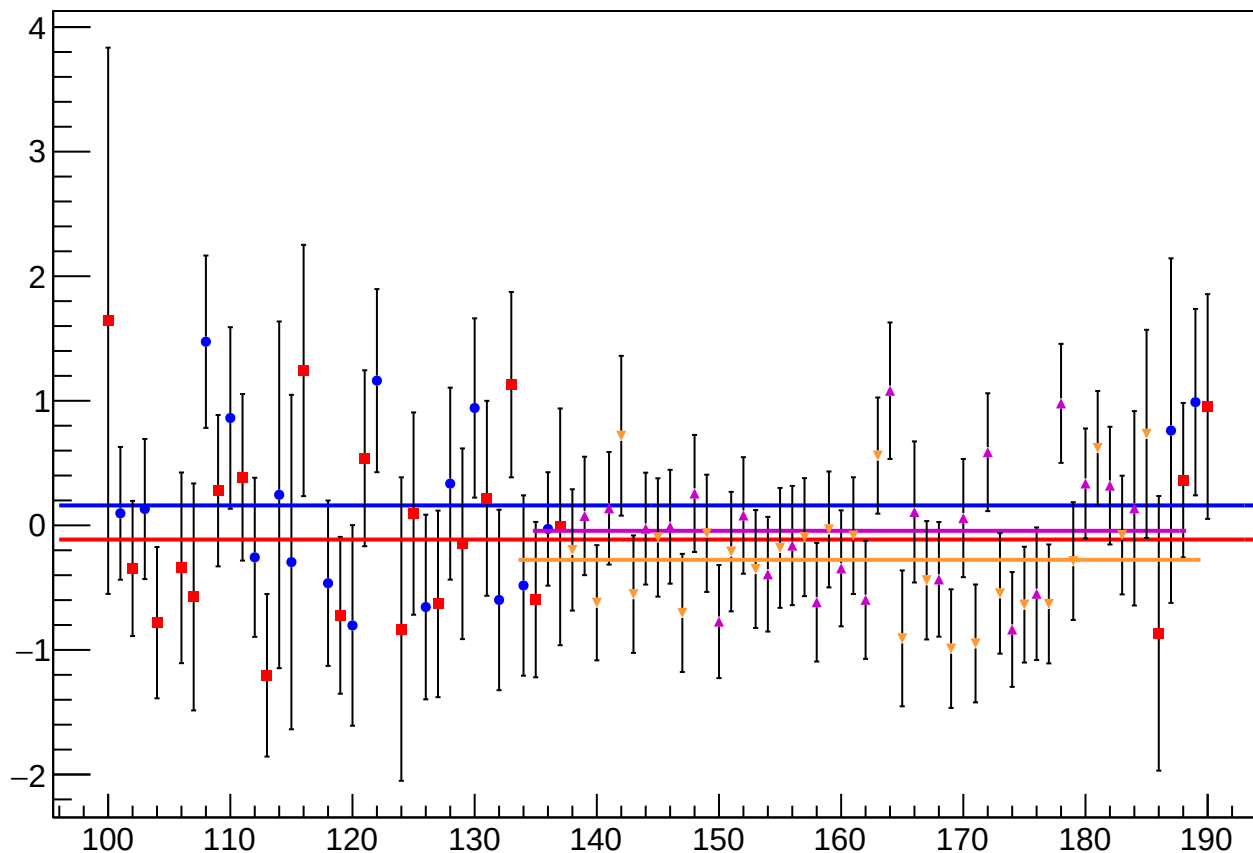
Left In: 8852.820+/-1.470 χ^2/NDF : 299860.4/22

+ sign 9451.938+/-1.322 χ^2/NDF : 3057110.4/42

All: 9586.292+/-0.950 χ^2/NDF : 7251506.7/87

- sign 9730.048+/-1.367 χ^2/NDF : 4173003.0/44

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.160 ± 0.166 χ^2/NDF : 15.2/17

Left Out: -0.277 ± 0.097 χ^2/NDF : 21.0/24

Right Out: -0.114 ± 0.159 χ^2/NDF : 16.7/21

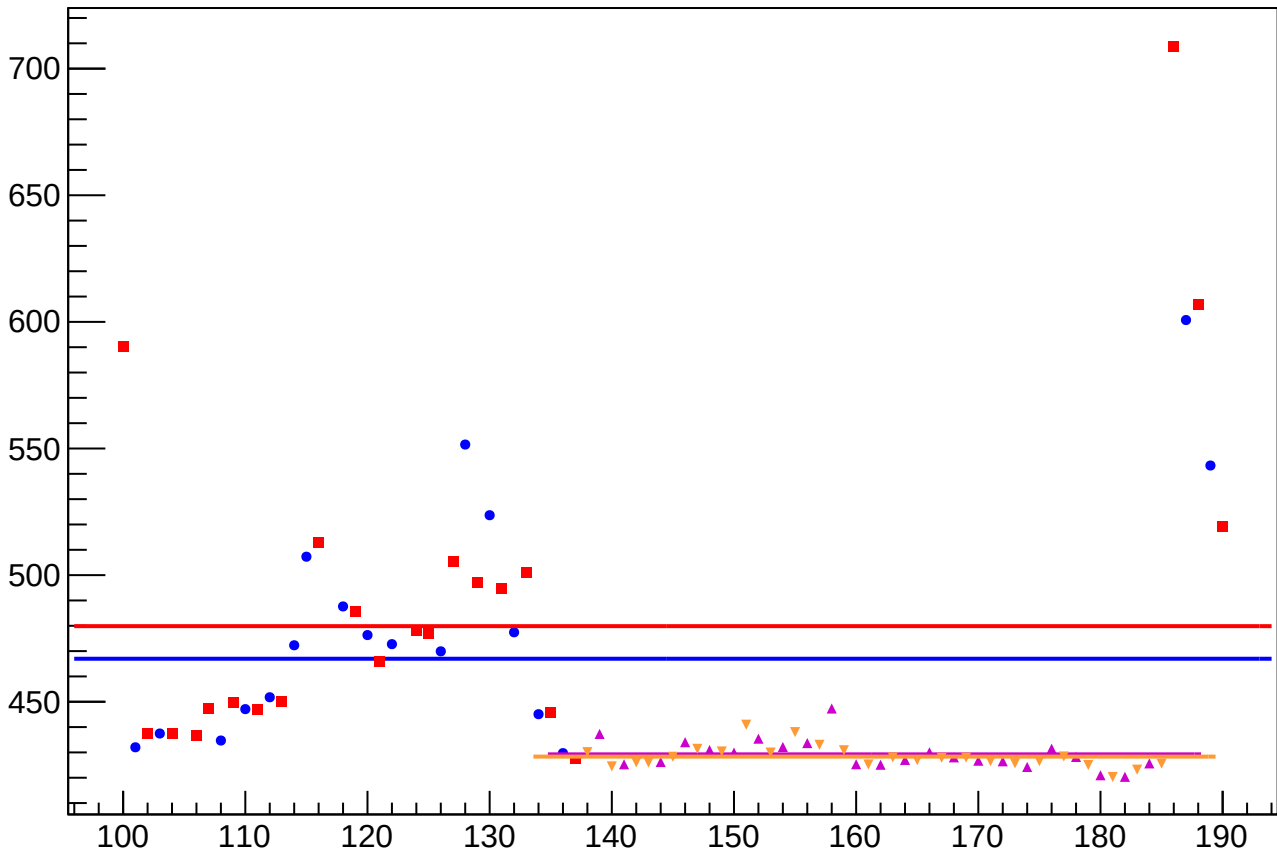
Left In: -0.044 ± 0.100 χ^2/NDF : 23.8/22

+ sign -0.165 ± 0.084 χ^2/NDF : 41.4/42

All: -0.115 ± 0.060 χ^2/NDF : 82.7/87

- sign -0.064 ± 0.085 χ^2/NDF : 40.6/44

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 466.985 $\pm$ 0.117 χ^2 /NDF: 116933.9/17

Left Out: 428.343 $\pm$ 0.069 χ^2 /NDF:4016.5/24

Right Out: 479.852 $\pm$ 0.113 χ^2 /NDF: 244543.6/21

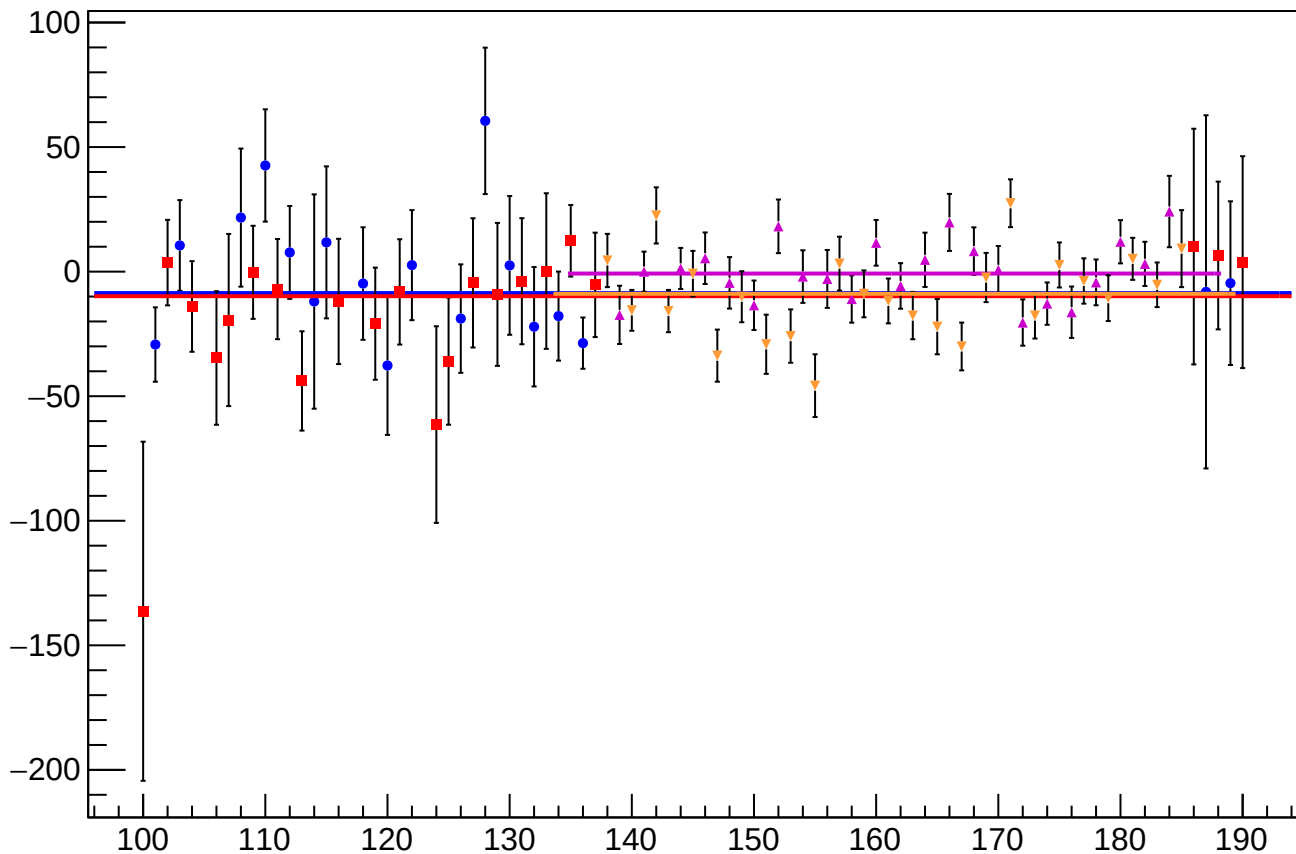
Left In: 429.228 $\pm$ 0.071 χ^2 /NDF:6749.9/22

+ sign 438.212 $\pm$ 0.059 χ^2 /NDF: 201509.0/42

All: 440.882 $\pm$ 0.042 χ^2 /NDF: 601790.5/87

- sign 443.606 $\pm$ 0.060 χ^2 /NDF: 396196.0/44

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.611 ± 4.965 χ^2/NDF : 22.3/17

Left Out: -8.904 ± 1.961 χ^2/NDF : 61.6/24

Right Out: -9.863 ± 5.048 χ^2/NDF : 14.5/21

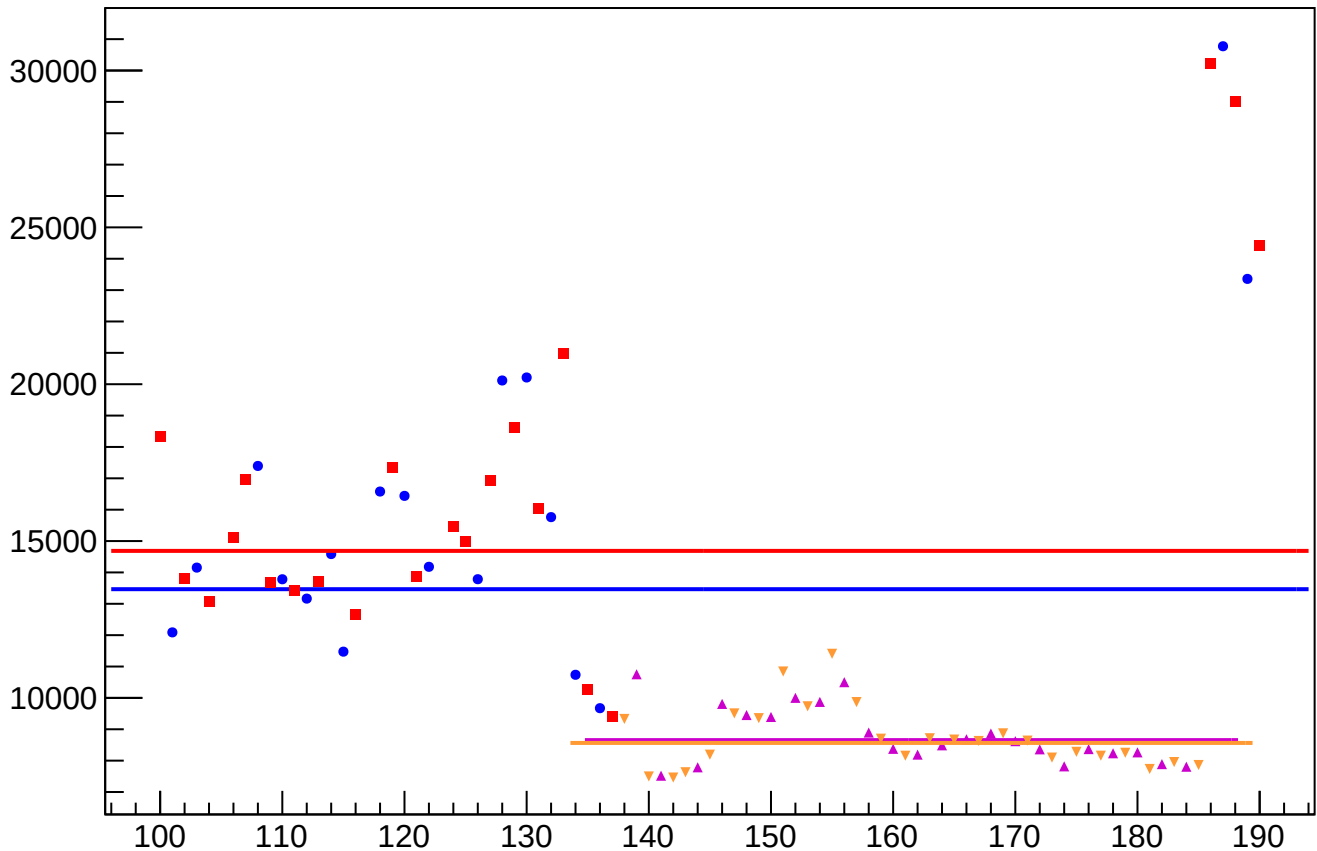
Left In: -0.773 ± 2.034 χ^2/NDF : 29.3/22

+ sign -8.865 ± 1.824 χ^2/NDF : 83.9/42

All: -5.569 ± 1.311 χ^2/NDF : 137.2/87

- sign -2.042 ± 1.887 χ^2/NDF : 46.6/44

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13465.631+/-3.511 χ^2/NDF : 991258.5/17

Left Out: 8564.413+/-1.387 χ^2/NDF : 400646.9/24

+ sign 9225.638+/-1.290 χ^2/NDF : 3077658.3/42

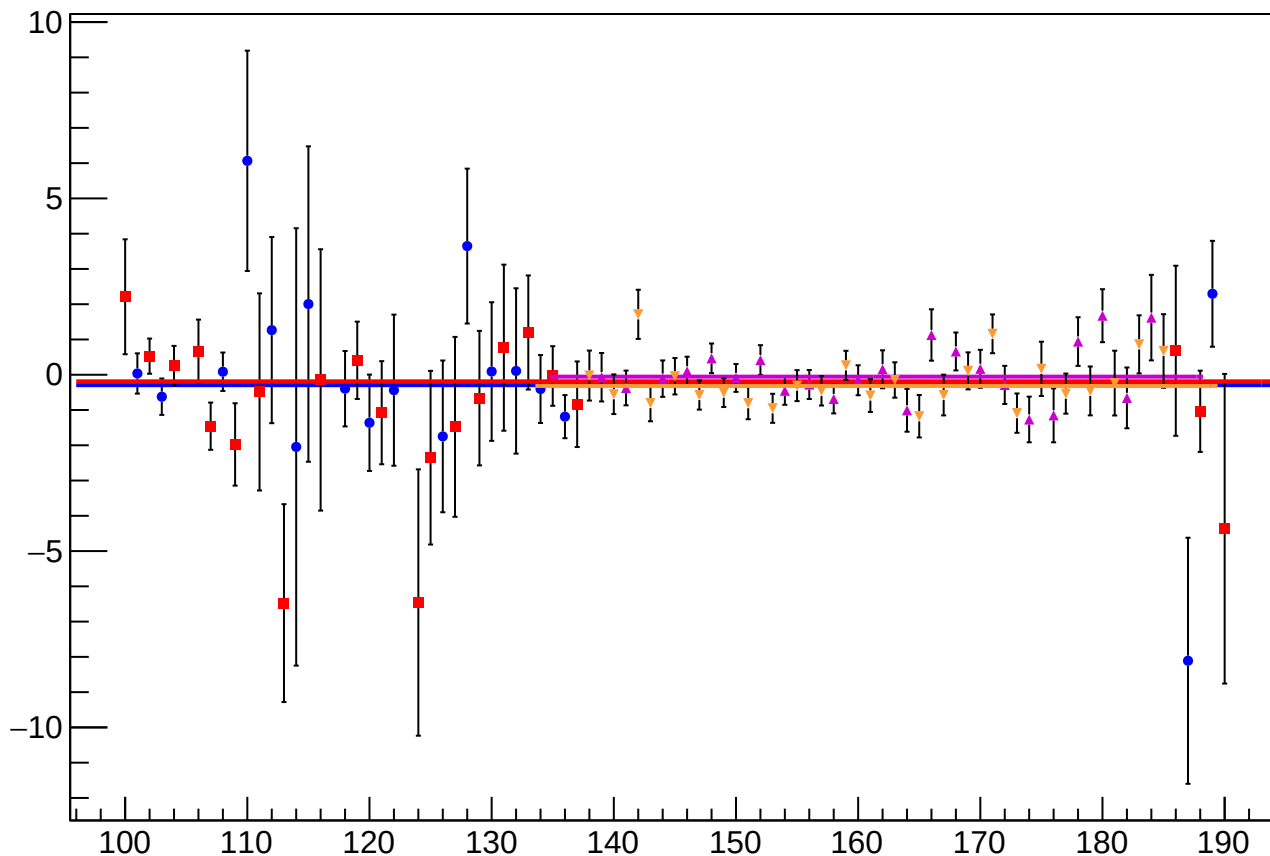
Right Out: 14686.520+/-3.570 χ^2/NDF : 1343346.4/21

All: 9356.610+/-0.927 χ^2/NDF : 7244824.7/87

- sign 9496.751+/-1.334 χ^2/NDF : 4145815.9/44

Left In: 8654.310+/-1.438 χ^2/NDF : 345603.4/22

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.295 ± 0.240 χ^2/NDF : 20.6/17

Left Out: -0.318 ± 0.106 χ^2/NDF : 32.3/24

Right Out: -0.186 ± 0.238 χ^2/NDF : 24.1/21

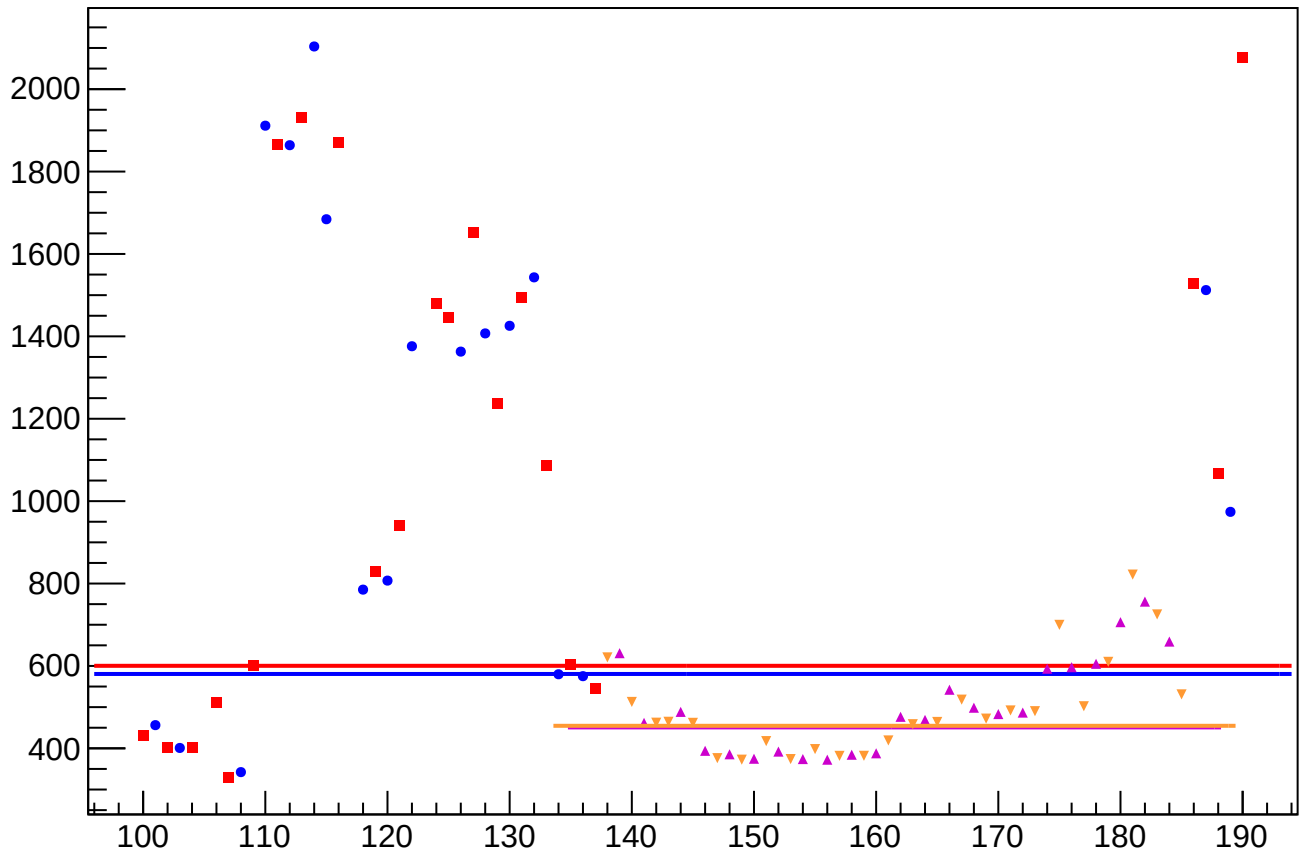
Left In: -0.054 ± 0.108 χ^2/NDF : 29.8/22

+ sign -0.314 ± 0.097 χ^2/NDF : 52.9/42

All: -0.197 ± 0.069 χ^2/NDF : 109.9/87

- sign -0.077 ± 0.098 χ^2/NDF : 54.1/44

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 580.502 $\pm$ 0.170 χ^2 /NDF: 3738187.2/17

Left Out: 454.697 $\pm$ 0.075 χ^2 /NDF:1451363.0/24

Right Out: 600.309 $\pm$ 0.168 χ^2 /NDF: 4462929.7/21

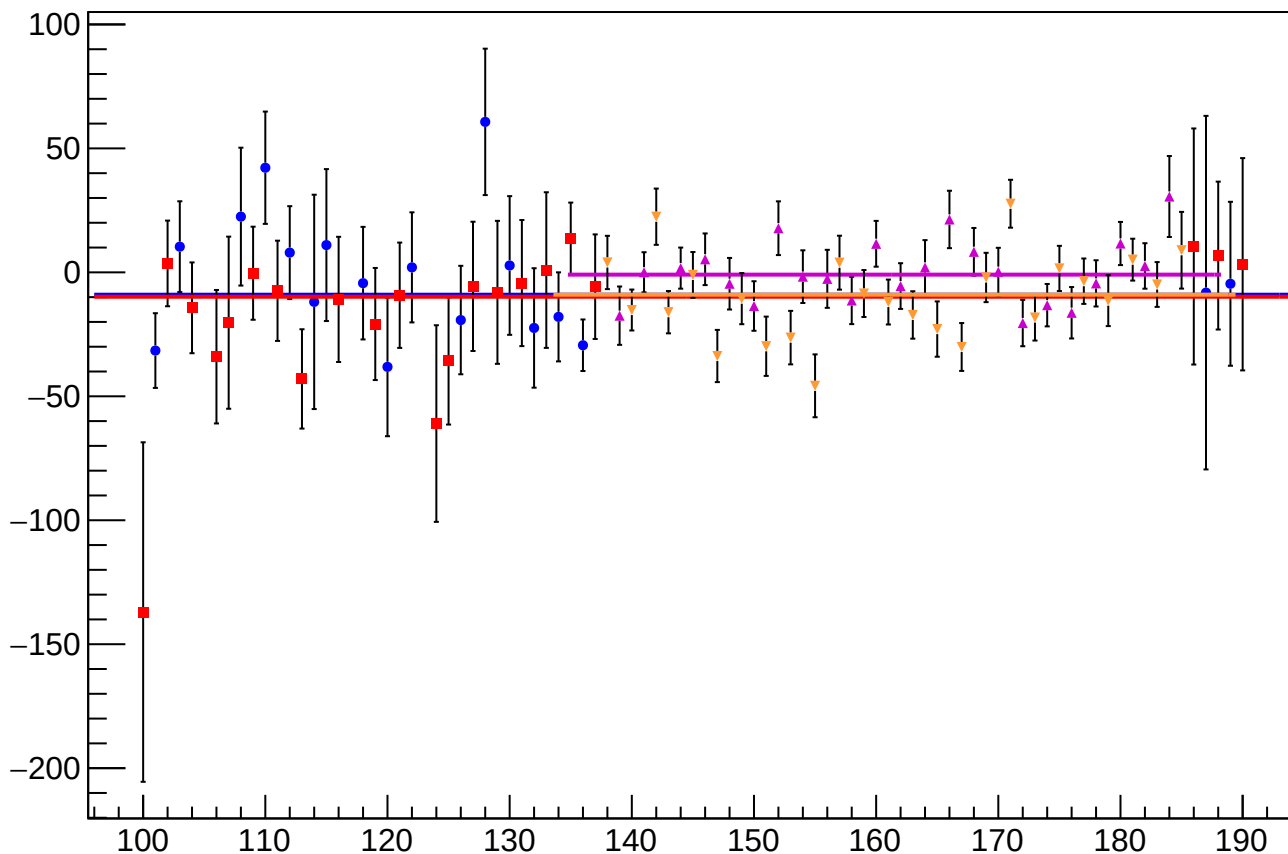
Left In: 450.767 $\pm$ 0.076 χ^2 /NDF:1471497.9/22

+ sign 475.169 $\pm$ 0.069 χ^2 /NDF: 5648186.6/42

All: 475.795 $\pm$ 0.049 χ^2 /NDF: 12239399.4/87

- sign 476.440 $\pm$ 0.070 χ^2 /NDF: 6591043.6/44

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.022 ± 4.998 χ^2/NDF : 22.8/17

Left Out: -9.001 ± 1.982 χ^2/NDF : 61.3/24

Right Out: -9.838 ± 5.083 χ^2/NDF : 14.3/21

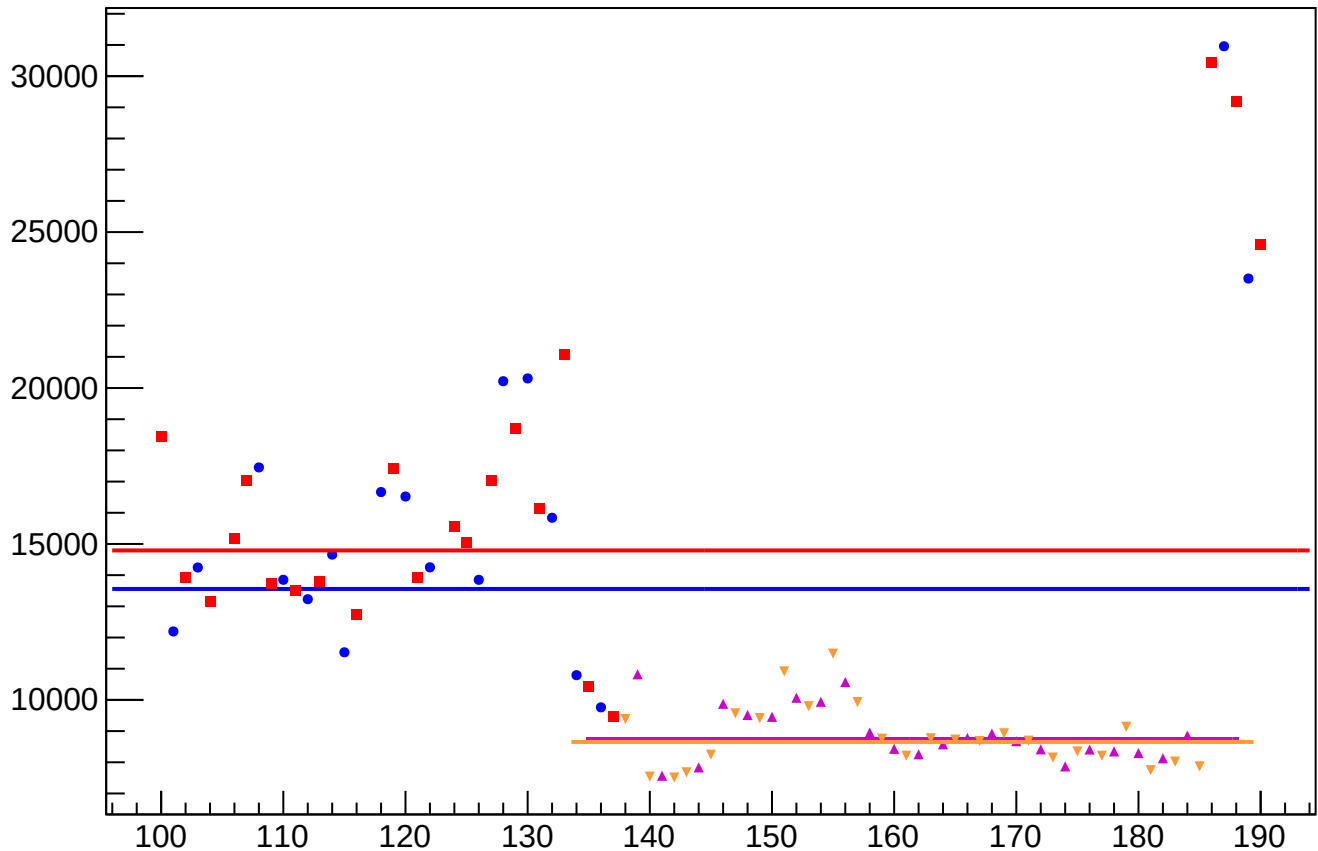
Left In: -0.925 ± 2.056 χ^2/NDF : 29.9/22

+ sign -9.004 ± 1.842 χ^2/NDF : 84.0/42

All: -5.706 ± 1.325 χ^2/NDF : 137.5/87

- sign -2.178 ± 1.906 χ^2/NDF : 46.8/44

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13557.721+/-3.534 χ^2/NDF : 982278.7/17

Left Out: 8651.872+/-1.401 χ^2/NDF : 405419.4/24

Right Out: 14792.826+/-3.594 χ^2/NDF : 1329265.3/21

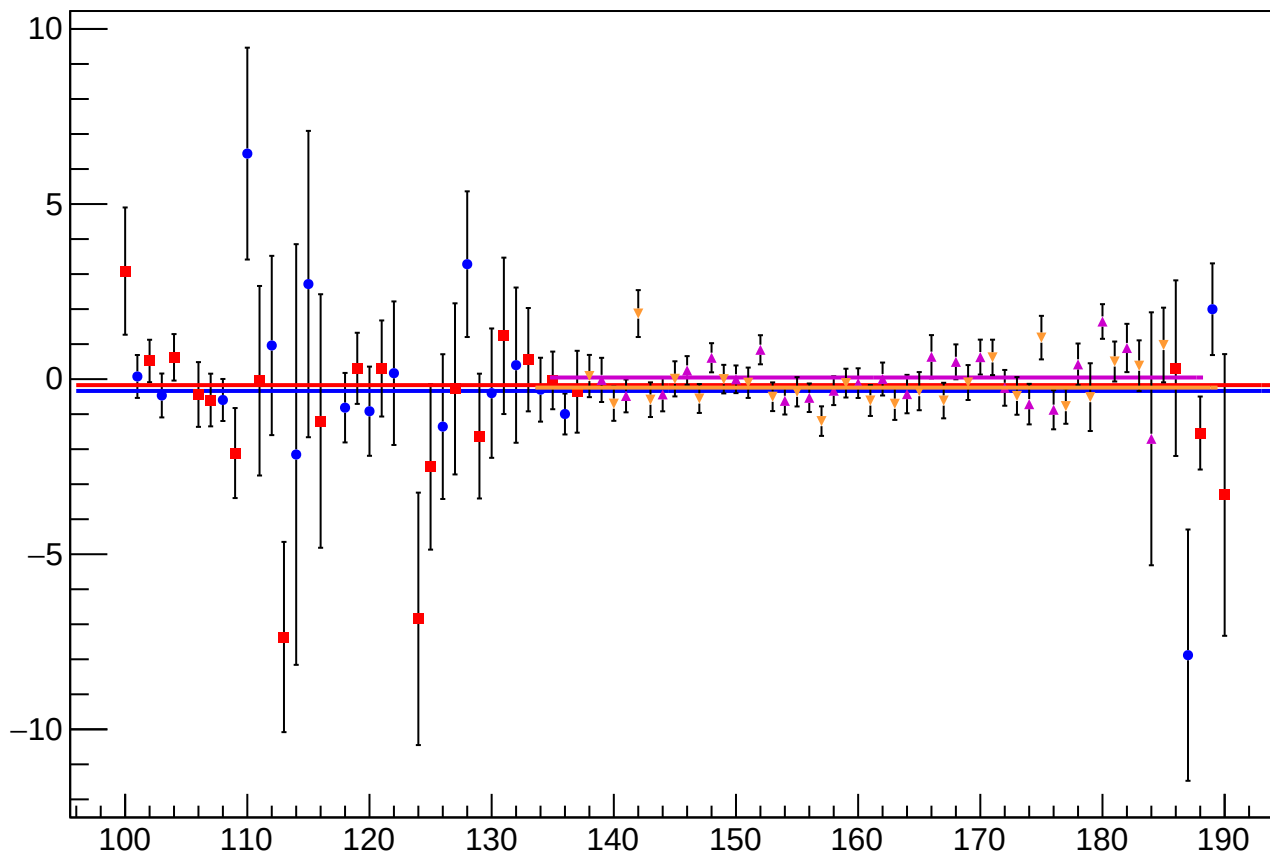
Left In: 8746.106+/-1.454 χ^2/NDF : 331167.0/22

+ sign 9318.304+/-1.303 χ^2/NDF : 3052610.6/42

All: 9452.482+/-0.937 χ^2/NDF : 7167535.5/87

- sign 9596.057+/-1.348 χ^2/NDF : 4092962.9/44

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.337 ± 0.250 χ^2/NDF : 19.3/17

Left Out: -0.242 ± 0.100 χ^2/NDF : 34.3/24

Right Out: -0.171 ± 0.255 χ^2/NDF : 24.2/21

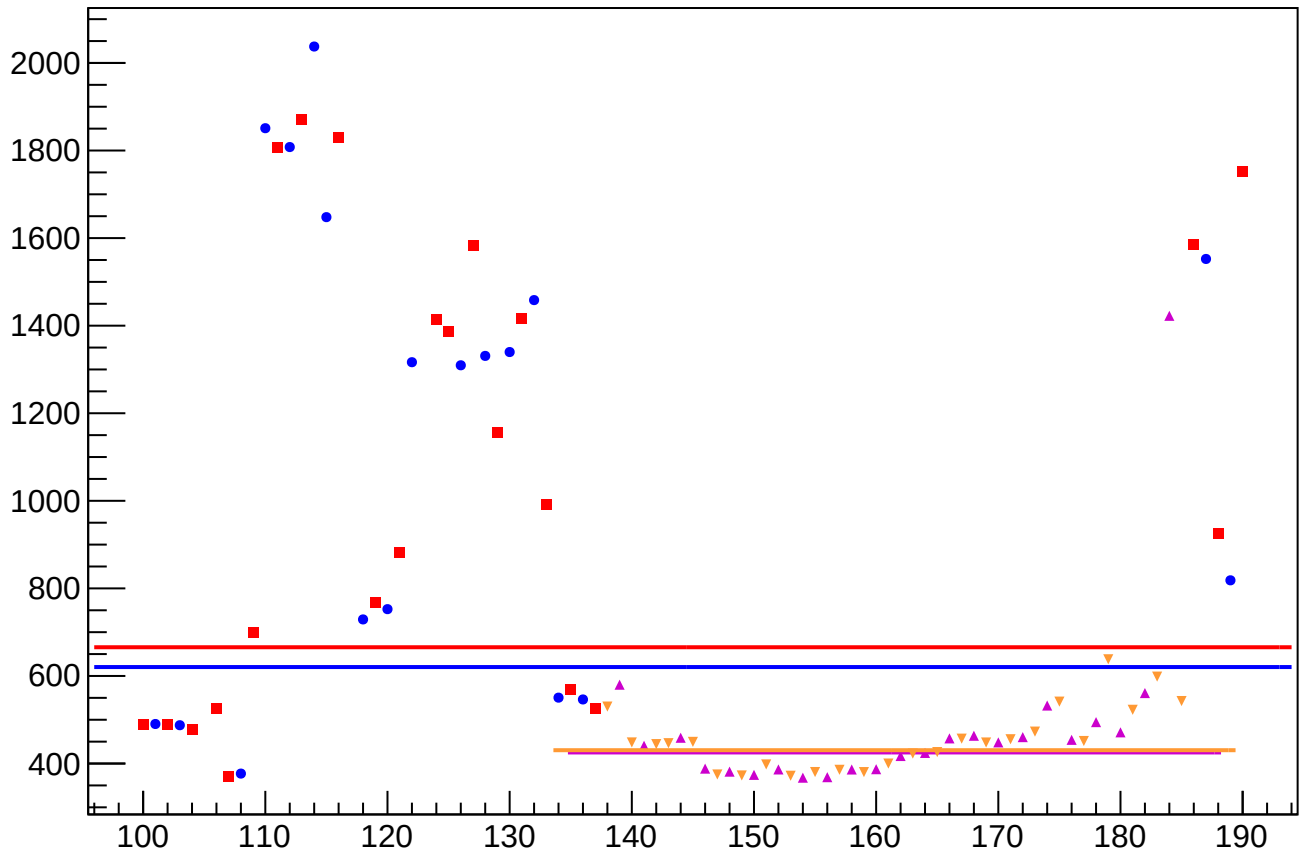
Left In: 0.047 ± 0.102 χ^2/NDF : 35.1/22

+ sign -0.255 ± 0.093 χ^2/NDF : 53.7/42

All: -0.121 ± 0.066 χ^2/NDF : 117.8/87

- sign 0.017 ± 0.094 χ^2/NDF : 59.9/44

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 620.354 $\pm$ 0.177 χ^2/NDF : 3038091.9/17

Left Out: 430.437 $\pm$ 0.071 χ^2/NDF : 648114.1/24

Right Out: 665.576 $\pm$ 0.180 χ^2/NDF : 3356978.9/21

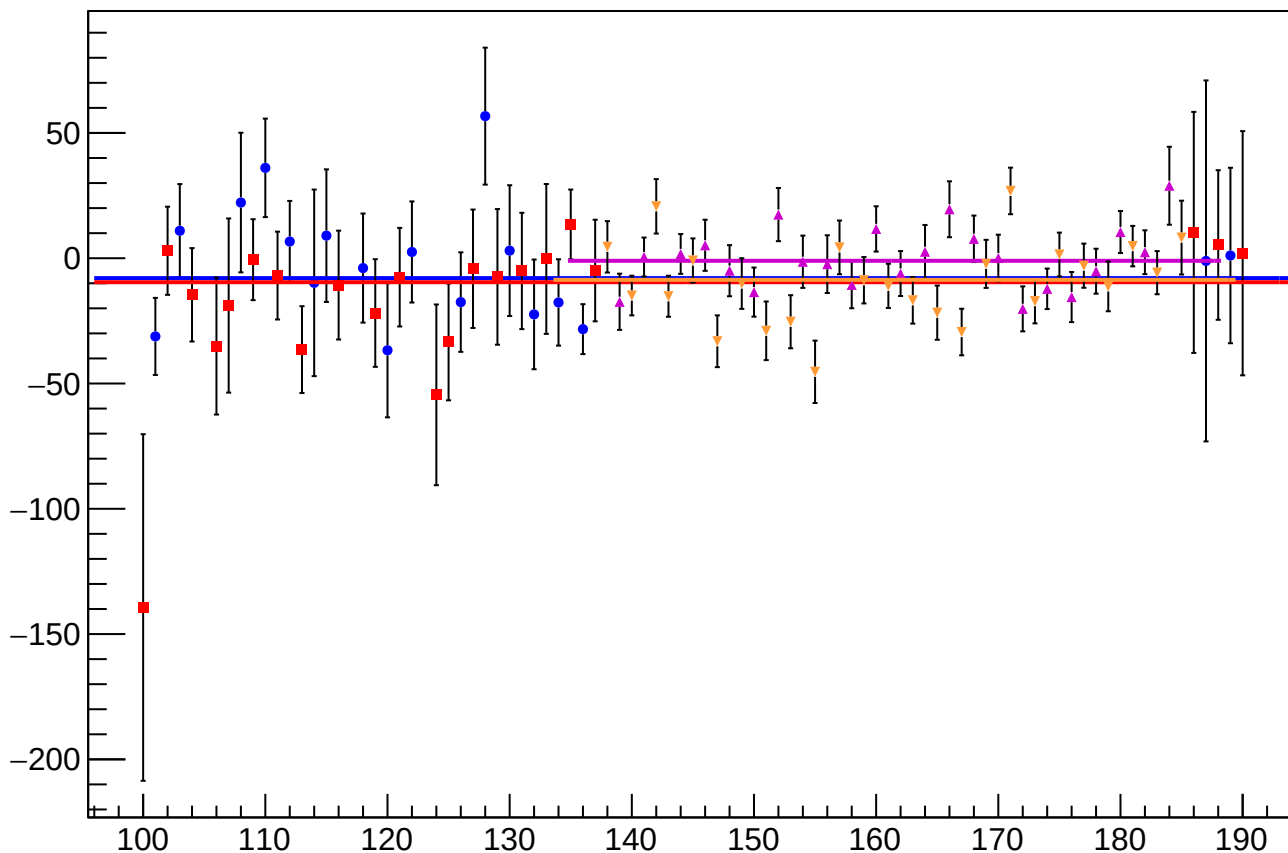
Left In: 425.312 $\pm$ 0.072 χ^2/NDF : 716953.2/22

+ sign 456.665 $\pm$ 0.066 χ^2/NDF : 4678247.3/42

All: 457.480 $\pm$ 0.047 χ^2/NDF : 10289499.5/87

- sign 458.319 $\pm$ 0.067 χ^2/NDF : 5610940.3/44

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -7.934 ± 4.725 χ^2/NDF : 23.2/17

Left Out: -8.623 ± 1.913 χ^2/NDF : 61.6/24

Right Out: -9.572 ± 4.763 χ^2/NDF : 14.2/21

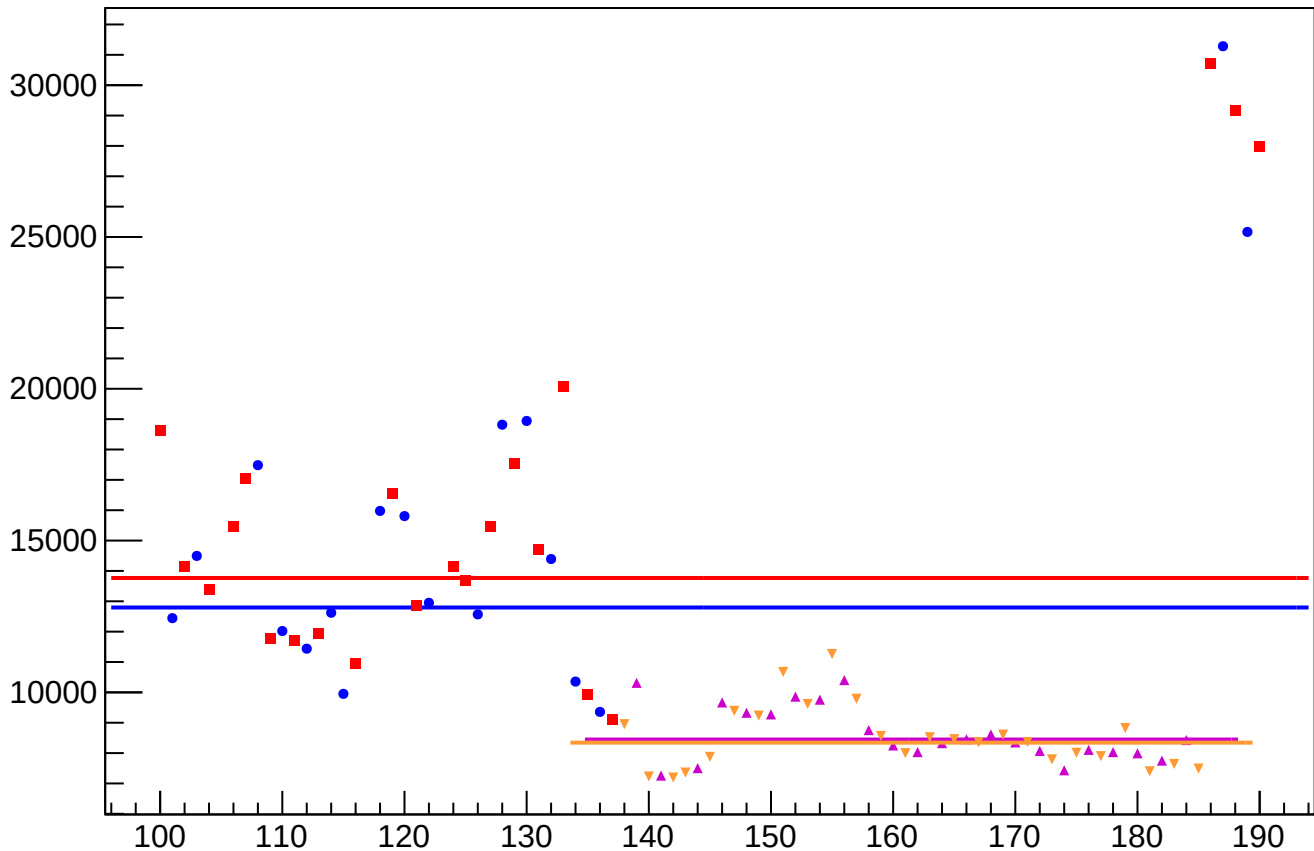
Left In: -1.027 ± 1.987 χ^2/NDF : 29.8/22

+ sign -8.526 ± 1.773 χ^2/NDF : 84.8/42

All: -5.514 ± 1.275 χ^2/NDF : 137.5/87

- sign -2.293 ± 1.834 χ^2/NDF : 46.7/44

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12795.778+/-3.341 χ^2/NDF : 1061459.0/17

Left Out: 8344.309+/-1.353 χ^2/NDF : 469243.6/24

Right Out: 13767.966+/-3.368 χ^2/NDF : 1539748.8/21

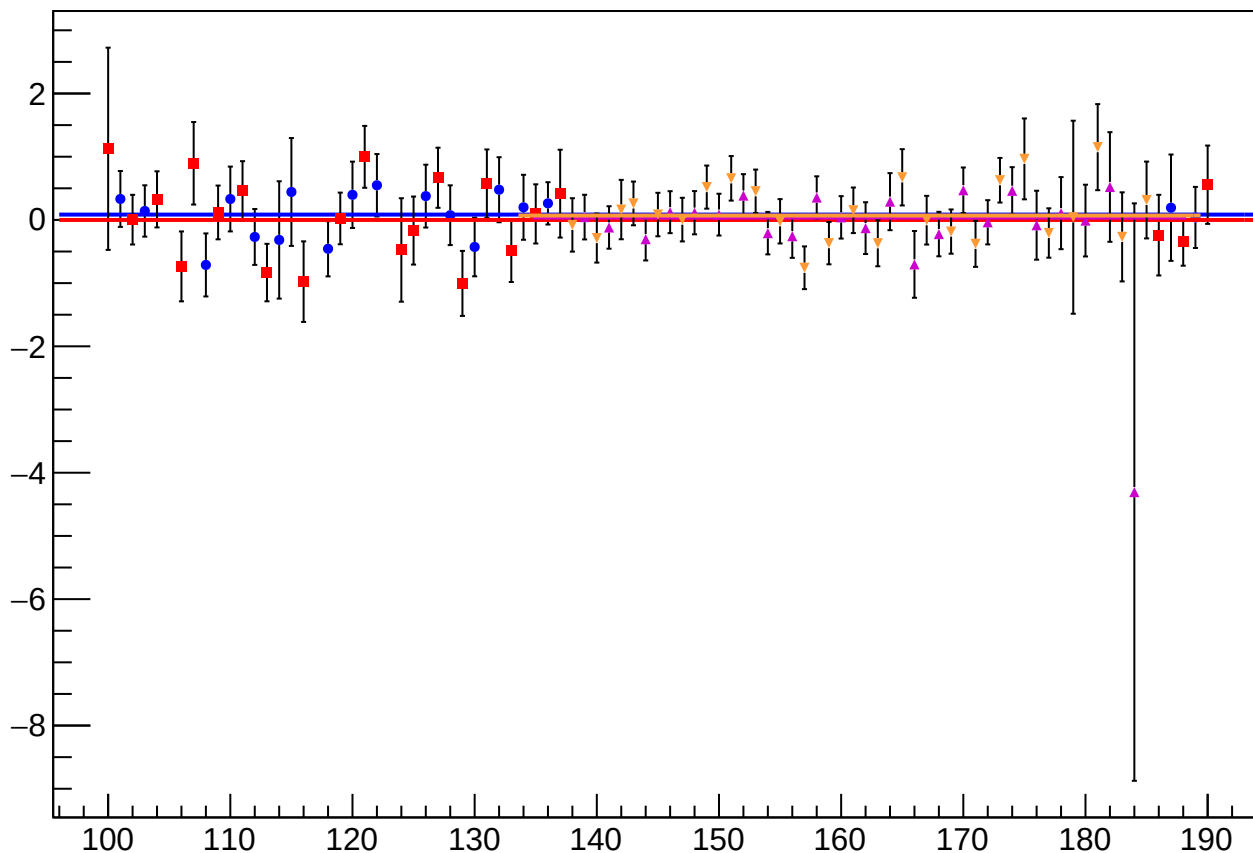
Left In: 8446.686+/-1.405 χ^2/NDF : 381901.7/22

+ sign 8971.245+/-1.254 χ^2/NDF : 3055842.6/42

All: 9098.845+/-0.901 χ^2/NDF : 7125389.0/87

- sign 9235.273+/-1.297 χ^2/NDF : 4048117.1/44

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.084 ± 0.116 χ^2/NDF : 9.4/17

Left Out: 0.069 ± 0.079 χ^2/NDF : 28.2/24

Right Out: -0.001 ± 0.109 χ^2/NDF : 26.1/21

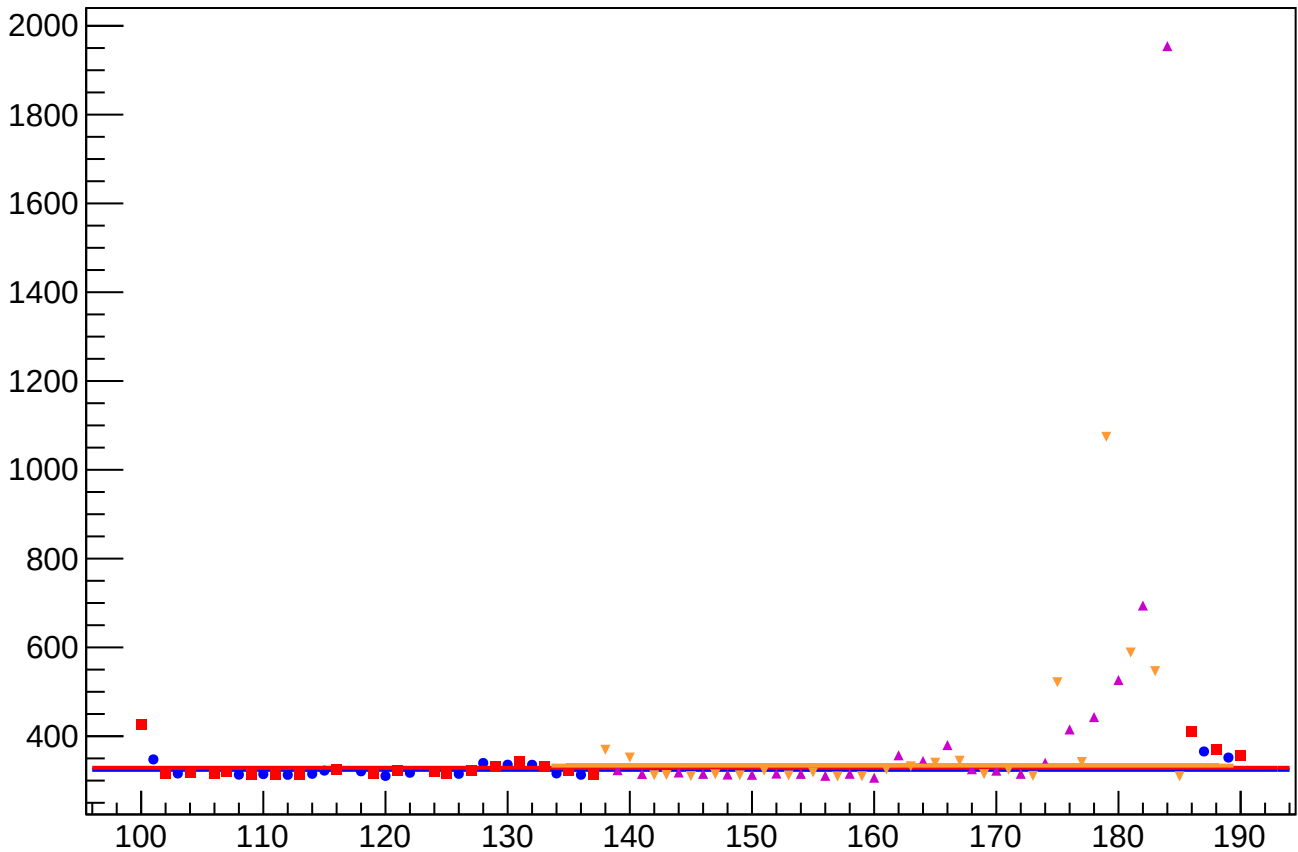
Left In: 0.037 ± 0.081 χ^2/NDF : 11.7/22

+ sign 0.074 ± 0.065 χ^2/NDF : 37.6/42

All: 0.049 ± 0.046 χ^2/NDF : 75.8/87

- sign 0.024 ± 0.065 χ^2/NDF : 37.9/44

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 324.278 $\pm$ 0.082 χ^2 /NDF: 30475.8/17

Left Out: 333.783 $\pm$ 0.056 χ^2 /NDF:1217257.0/24

Right Out: 328.862 $\pm$ 0.077 χ^2 /NDF: 85932.1/21

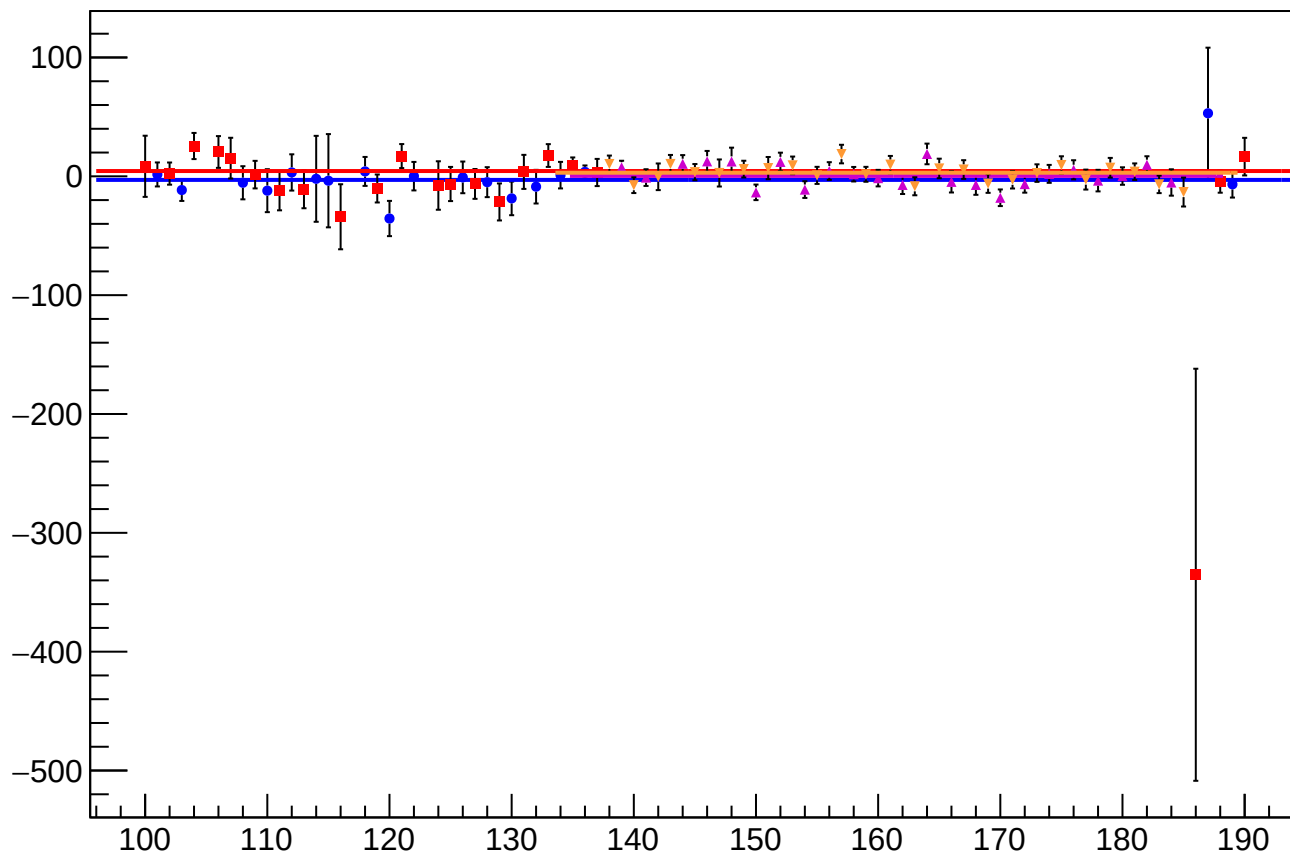
Left In: 333.979 $\pm$ 0.057 χ^2 /NDF:1050984.2/22

+ sign 330.751 $\pm$ 0.046 χ^2 /NDF: 1256956.9/42

All: 331.457 $\pm$ 0.033 χ^2 /NDF: 2397188.6/87

- sign 332.157 $\pm$ 0.046 χ^2 /NDF: 1139765.1/44

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -3.019 ± 2.812 χ^2/NDF : 11.0/17

Left Out: 3.023 ± 1.542 χ^2/NDF : 20.3/24

Right Out: 4.445 ± 2.664 χ^2/NDF : 24.8/21

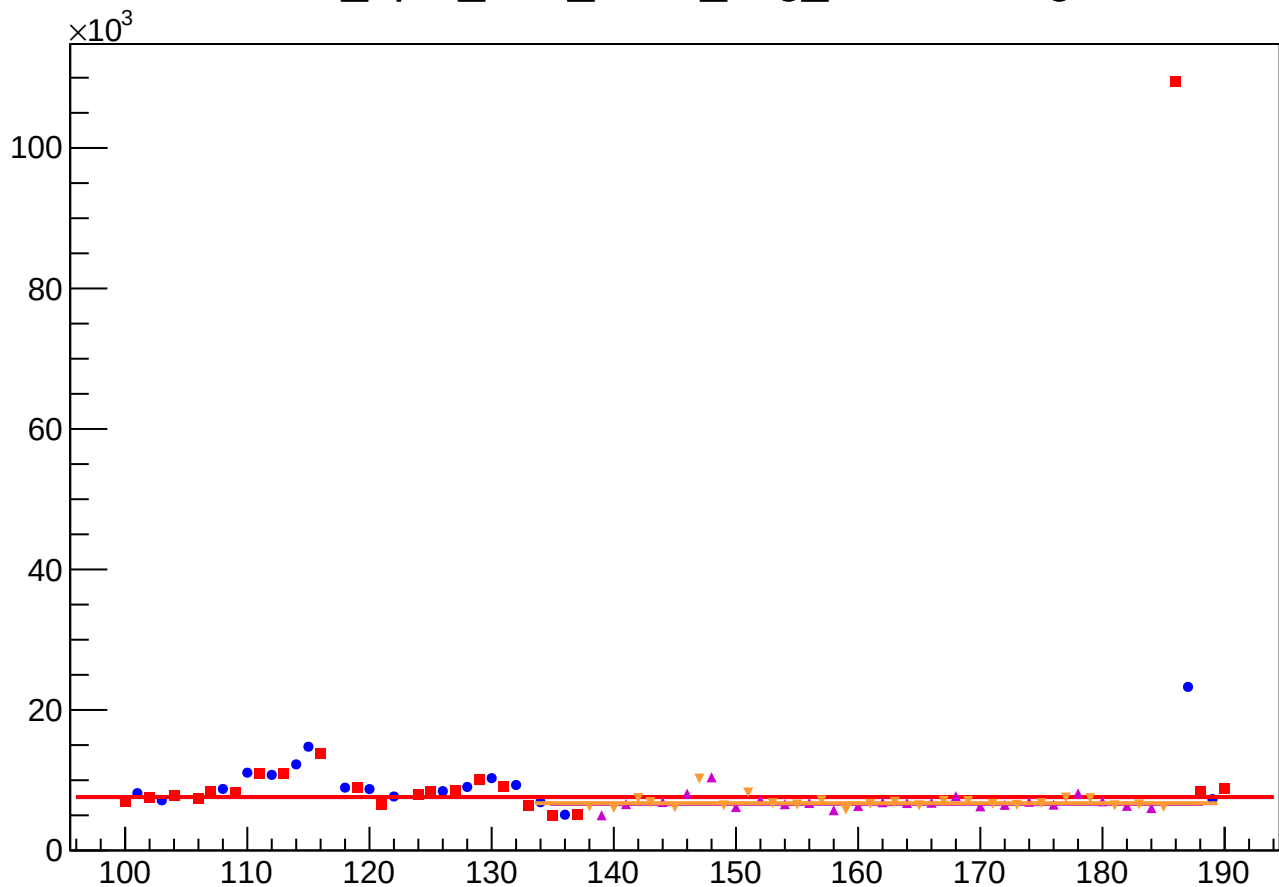
Left In: 0.351 ± 1.568 χ^2/NDF : 33.8/22

+ sign: 1.627 ± 1.352 χ^2/NDF : 34.9/42

All: 1.516 ± 0.956 χ^2/NDF : 95.2/87

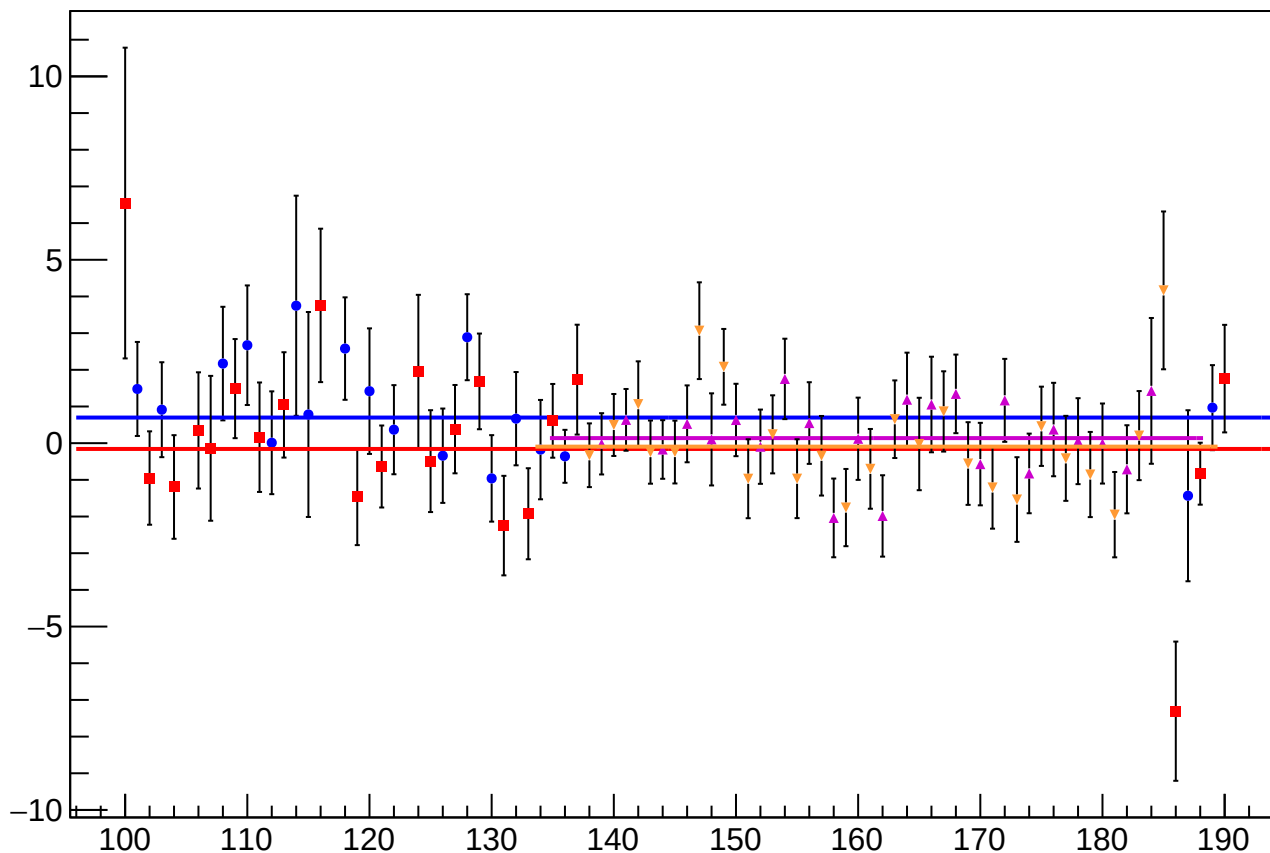
- sign: 1.405 ± 1.352 χ^2/NDF : 60.3/44

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7597.197+/-1.989	χ^2/NDF : 1060574.7/17	+ sign 6924.992+/-0.956	χ^2/NDF : 1612505.0/42
Left Out: 6722.984+/-1.090	χ^2/NDF : 403317.7/24	All: 6904.249+/-0.676	χ^2/NDF : 3991678.8/87
Right Out: 7607.077+/-1.884	χ^2/NDF : 1550047.1/21	- sign 6883.516+/-0.956	χ^2/NDF : 2378232.1/44
Left In: 6632.723+/-1.109	χ^2/NDF : 629490.9/22		

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.698 ± 0.311 $\chi^2/\text{NDF}: 15.7/17$

Left Out: -0.095 ± 0.215 $\chi^2/\text{NDF}: 27.3/24$

Right Out: -0.157 ± 0.292 $\chi^2/\text{NDF}: 36.8/21$

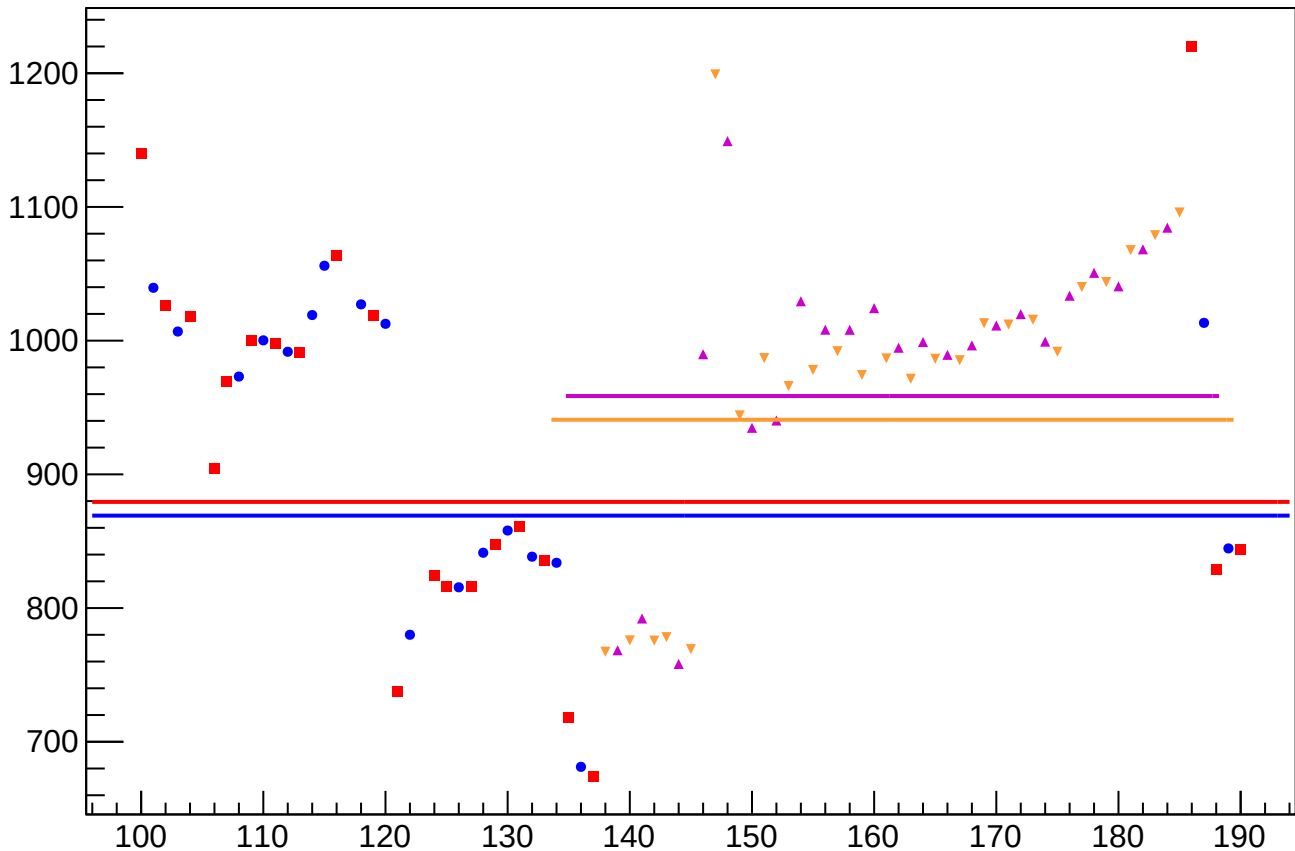
Left In: 0.138 ± 0.225 $\chi^2/\text{NDF}: 16.5/22$

+ sign 0.163 ± 0.177 $\chi^2/\text{NDF}: 47.4/42$

All: 0.096 ± 0.126 $\chi^2/\text{NDF}: 101.6/87$

- sign 0.028 ± 0.178 $\chi^2/\text{NDF}: 53.9/44$

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 869.132 ± 0.220 χ^2/NDF : 310967.0/17

Left Out: 940.844 ± 0.152 χ^2/NDF : 568776.0/24

Right Out: 879.401 ± 0.207 χ^2/NDF : 345337.5/21

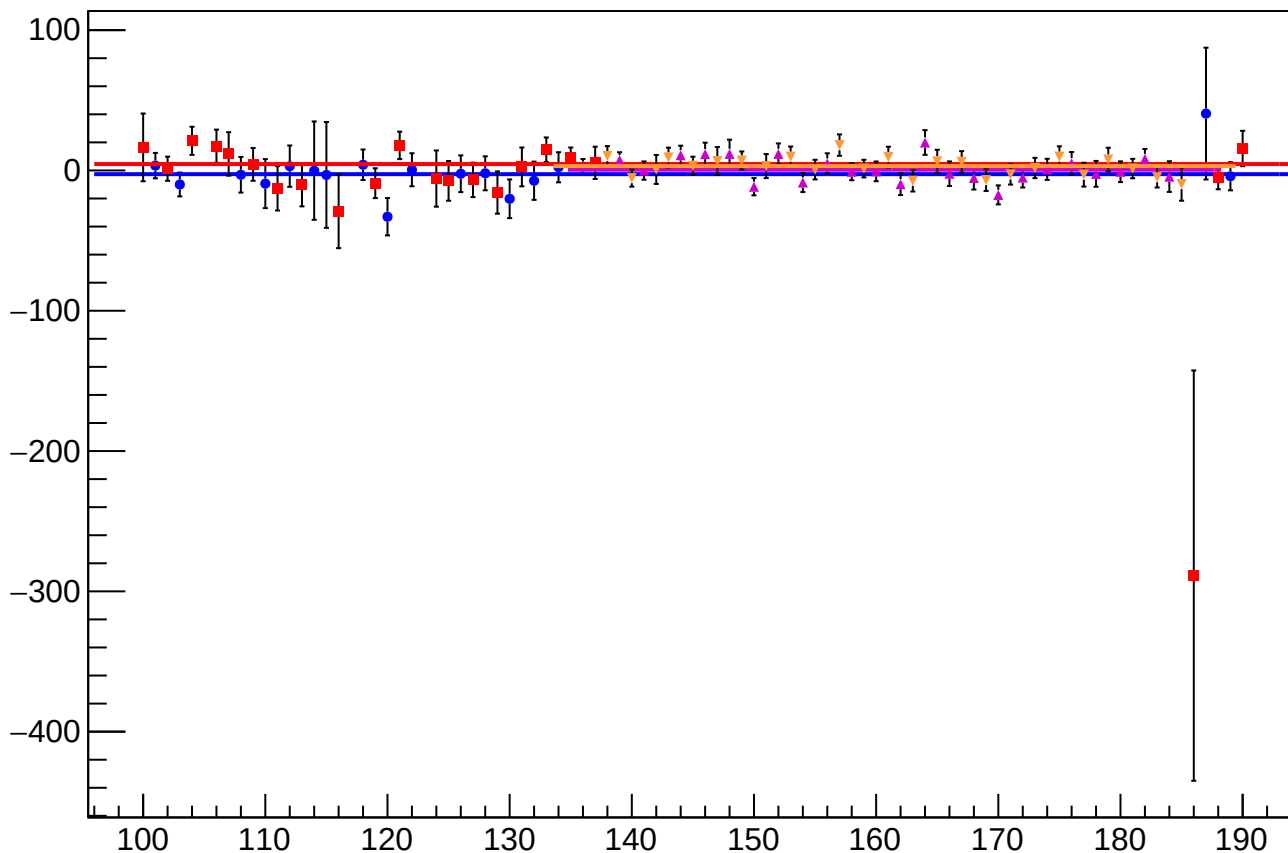
Left In: 958.578 ± 0.159 χ^2/NDF : 456824.8/22

+ sign 917.595 ± 0.125 χ^2/NDF : 951627.1/42

All: 923.281 ± 0.089 χ^2/NDF : 1850009.3/87

- sign 929.057 ± 0.126 χ^2/NDF : 894224.0/44

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.646 ± 2.682 χ^2/NDF : 10.9/17

Left Out: 3.099 ± 1.500 χ^2/NDF : 18.6/24

Right Out: 4.565 ± 2.512 χ^2/NDF : 23.4/21

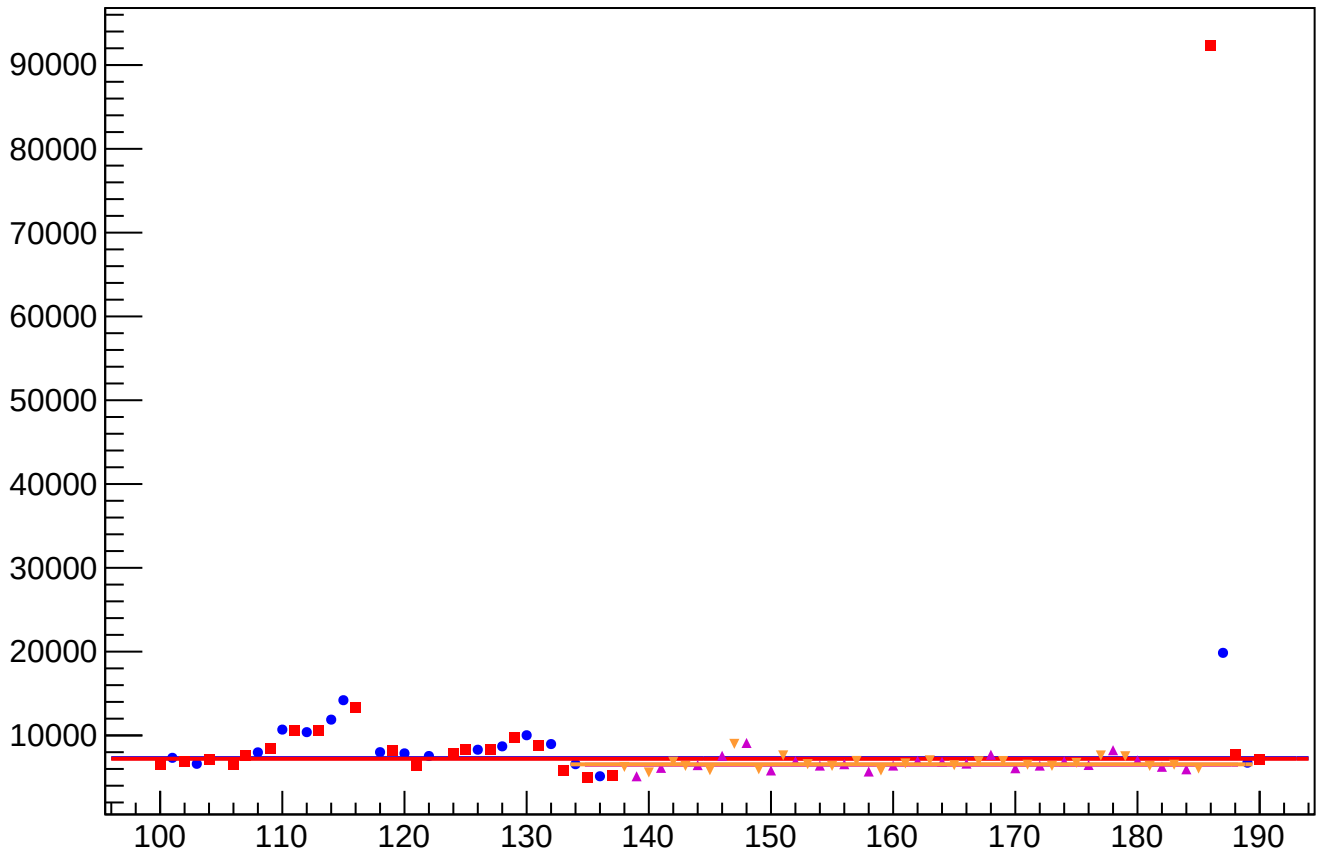
Left In: 0.519 ± 1.535 χ^2/NDF : 32.0/22

+ sign 1.730 ± 1.309 χ^2/NDF : 33.0/42

All: 1.674 ± 0.926 χ^2/NDF : 90.3/87

- sign 1.619 ± 1.310 χ^2/NDF : 57.3/44

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7292.179+/-1.897 χ^2/NDF : 919505.4/17

Left Out: 6548.897+/-1.061 χ^2/NDF : 366072.4/24

+ sign 6726.032+/-0.926 χ^2/NDF : 1402575.0/42

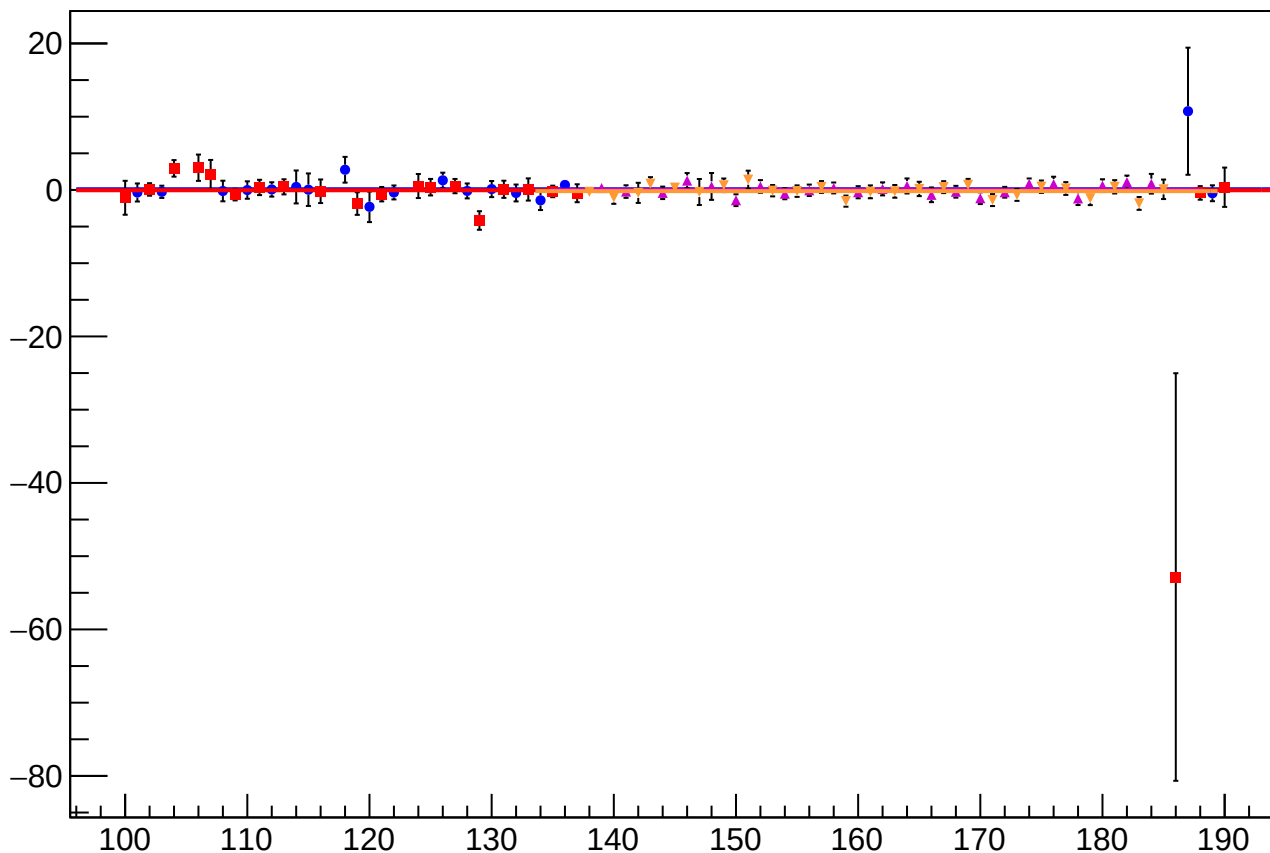
Right Out: 7214.170+/-1.776 χ^2/NDF : 1480213.9/21

All: 6711.921+/-0.655 χ^2/NDF : 3514787.1/87

- sign 6697.800+/-0.926 χ^2/NDF : 2111747.4/44

Left In: 6505.057+/-1.085 χ^2/NDF : 515496.8/22

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.093 ± 0.265 χ^2/NDF : 9.9/17

Left Out: -0.162 ± 0.172 χ^2/NDF : 19.0/24

Right Out: -0.042 ± 0.252 χ^2/NDF : 29.0/21

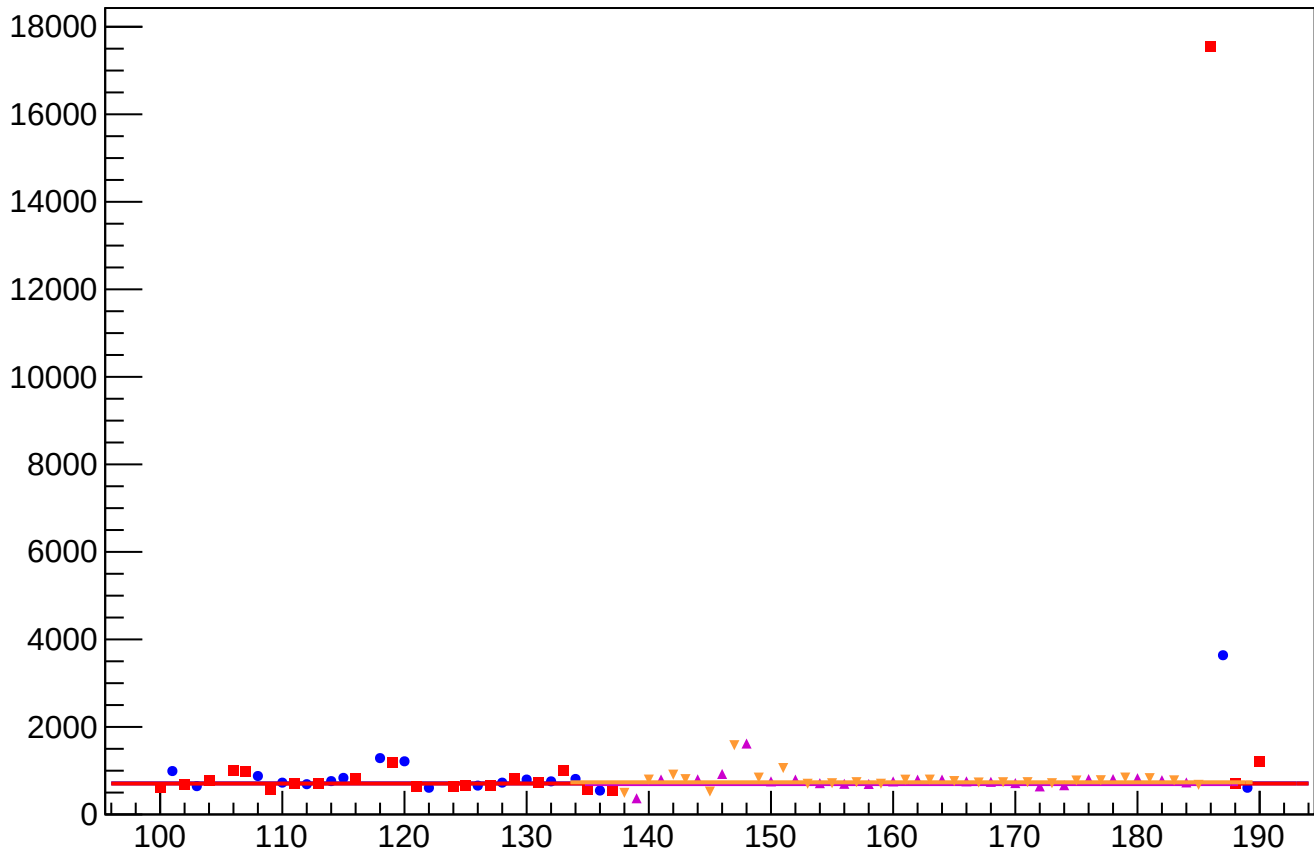
Left In: 0.017 ± 0.169 χ^2/NDF : 15.2/22

+ sign -0.086 ± 0.144 χ^2/NDF : 29.5/42

All: -0.043 ± 0.101 χ^2/NDF : 73.9/87

- sign -0.001 ± 0.140 χ^2/NDF : 44.2/44

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 710.179+/-0.187 χ^2/NDF : 944525.1/17

Left Out: 734.984+/-0.122 χ^2/NDF :1339748.9/24

Right Out: 706.209+/-0.178 χ^2/NDF : 1383490.6/21

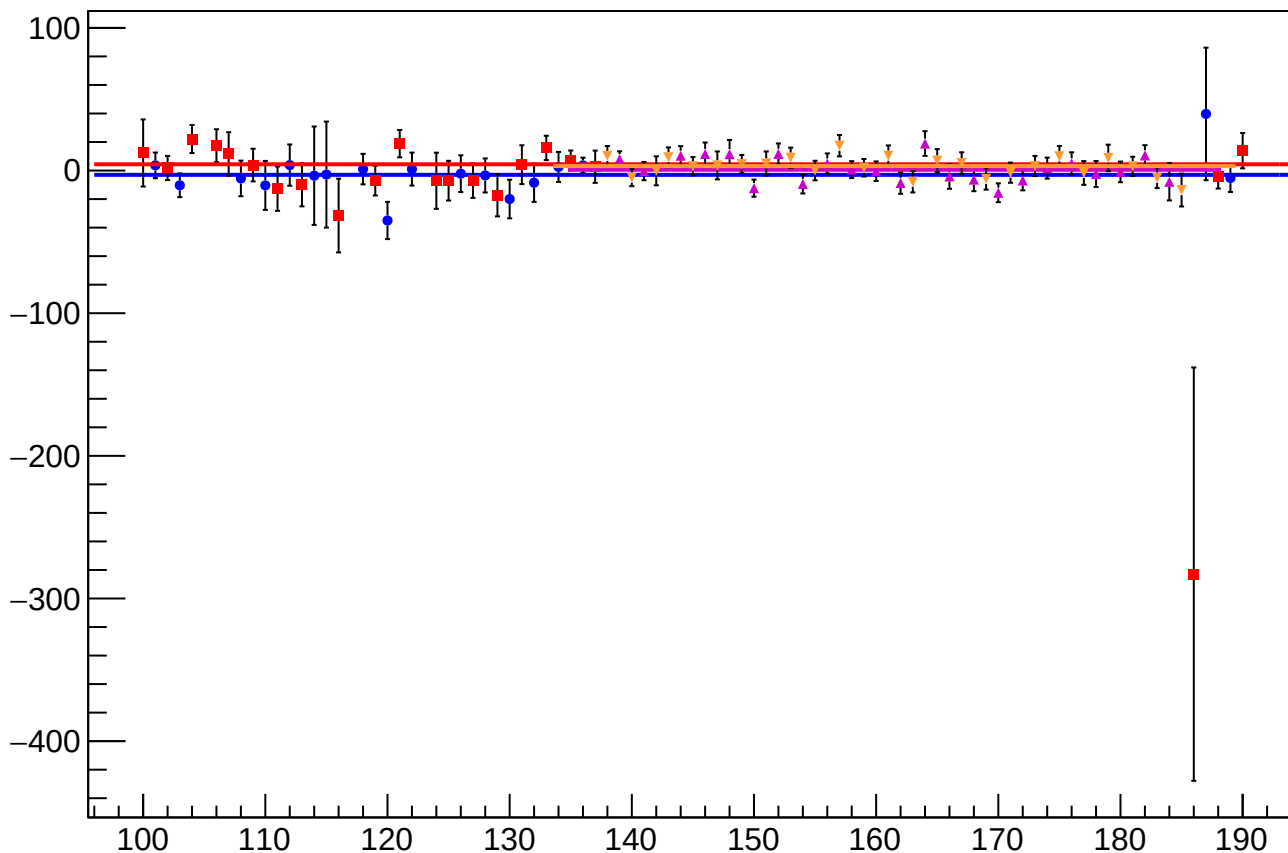
Left In: 694.150+/-0.120 χ^2/NDF :2225094.5/22

+ sign 727.615+/-0.102 χ^2/NDF : 2296613.3/42

All: 712.347+/-0.071 χ^2/NDF : 5951941.4/87

- sign 697.893+/-0.099 χ^2/NDF : 3611742.7/44

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.998 $\pm$ 2.640 χ^2 /NDF: 12.5/17

Left Out: 3.111 $\pm$ 1.476 χ^2 /NDF:18.7/24

Right Out: 4.393 $\pm$ 2.475 χ^2 /NDF: 24.2/21

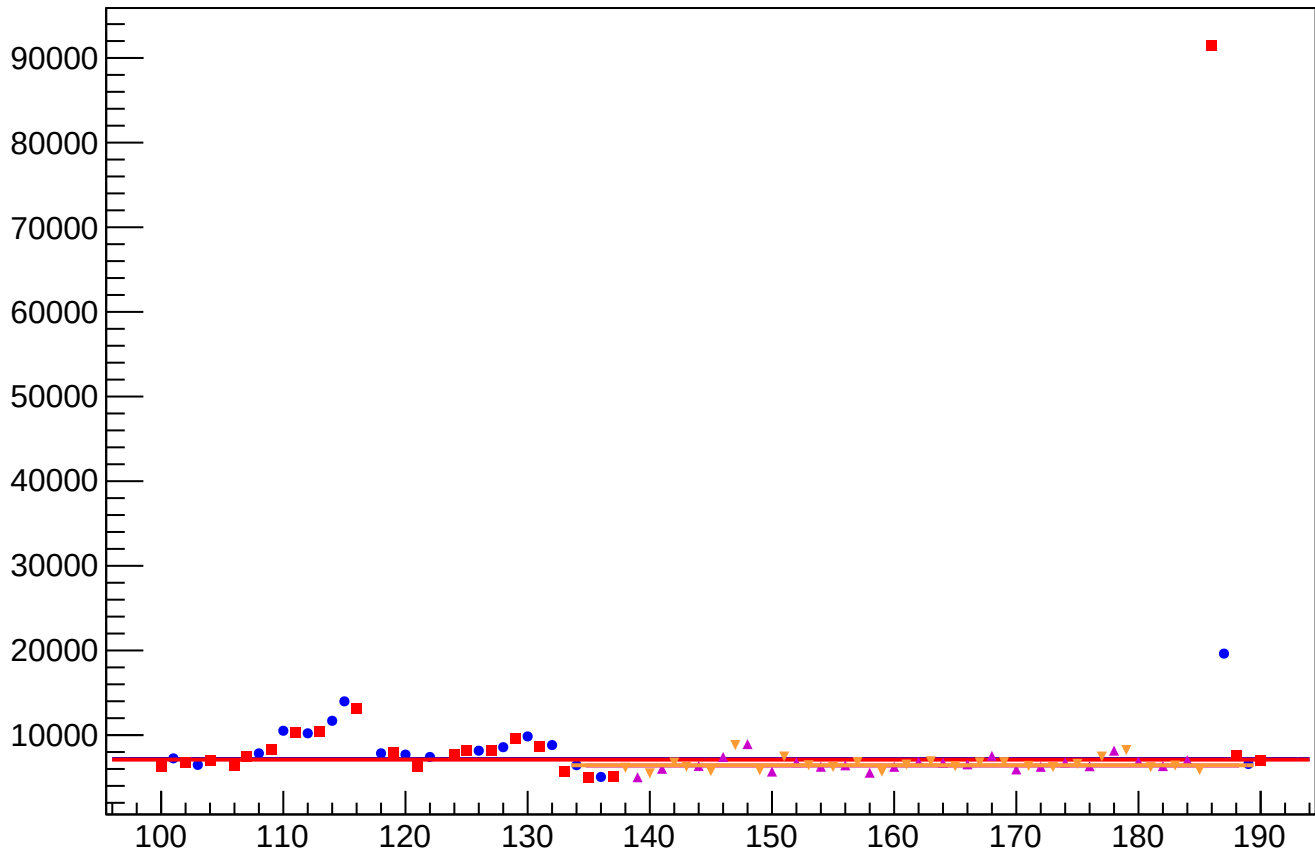
Left In: 0.550 $\pm$ 1.512 χ^2 /NDF:33.6/22

+ sign 1.656 $\pm$ 1.289 χ^2 /NDF: 35.3/42

All: 1.626 $\pm$ 0.912 χ^2 /NDF: 94.8/87

- sign 1.595 $\pm$ 1.291 χ^2 /NDF: 59.5/44

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7176.425+/-1.867 χ^2/NDF : 912790.7/17

Left Out: 6435.363+/-1.044 χ^2/NDF : 417318.3/24

Right Out: 7106.898+/-1.750 χ^2/NDF : 1452959.1/21

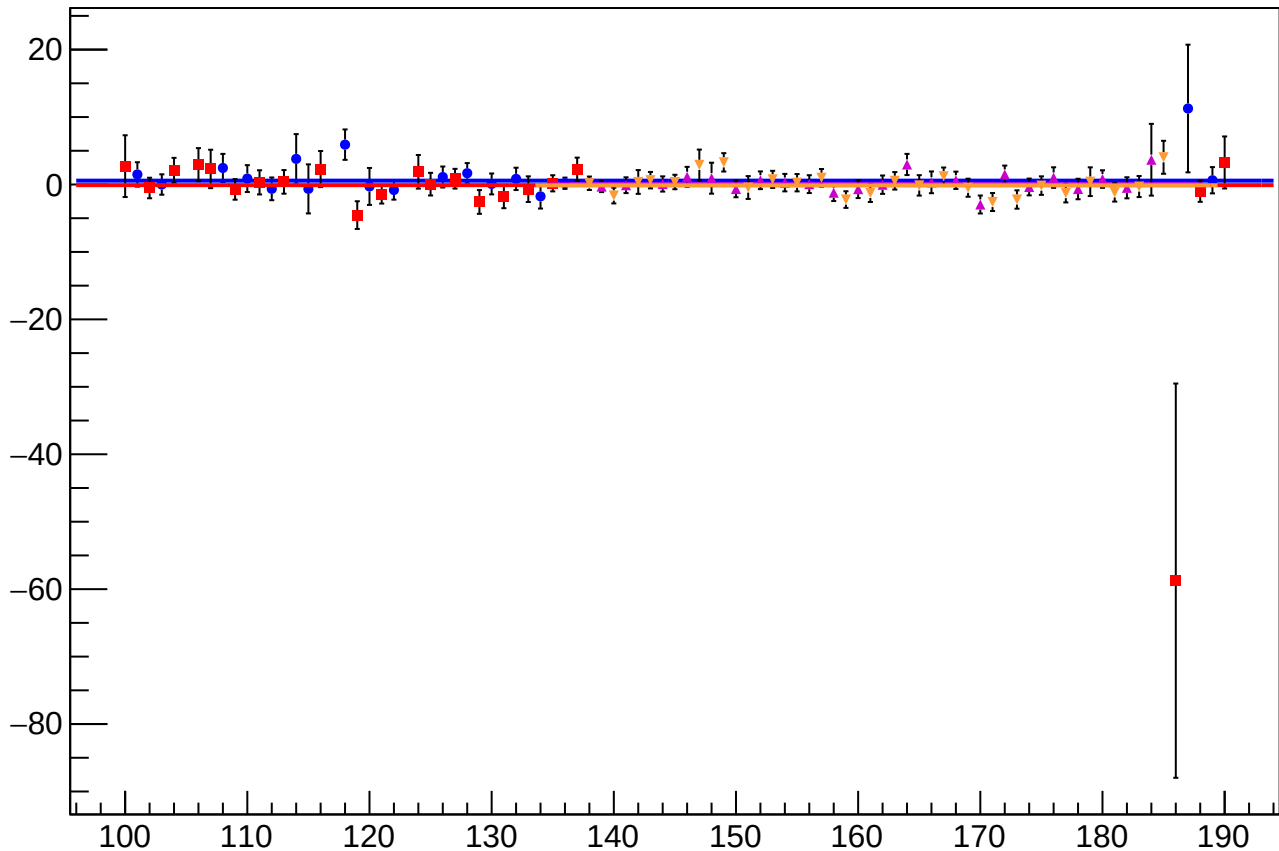
Left In: 6405.229+/-1.069 χ^2/NDF : 525079.4/22

+ sign 6611.845+/-0.911 χ^2/NDF : 1450136.2/42

All: 6603.946+/-0.645 χ^2/NDF : 3545376.3/87

- sign 6596.023+/-0.913 χ^2/NDF : 2095089.6/44

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.570 ± 0.402 $\chi^2/\text{NDF}: 13.2/17$

Left Out: -0.122 ± 0.273 $\chi^2/\text{NDF}: 27.0/24$

Right Out: -0.096 ± 0.393 $\chi^2/\text{NDF}: 22.0/21$

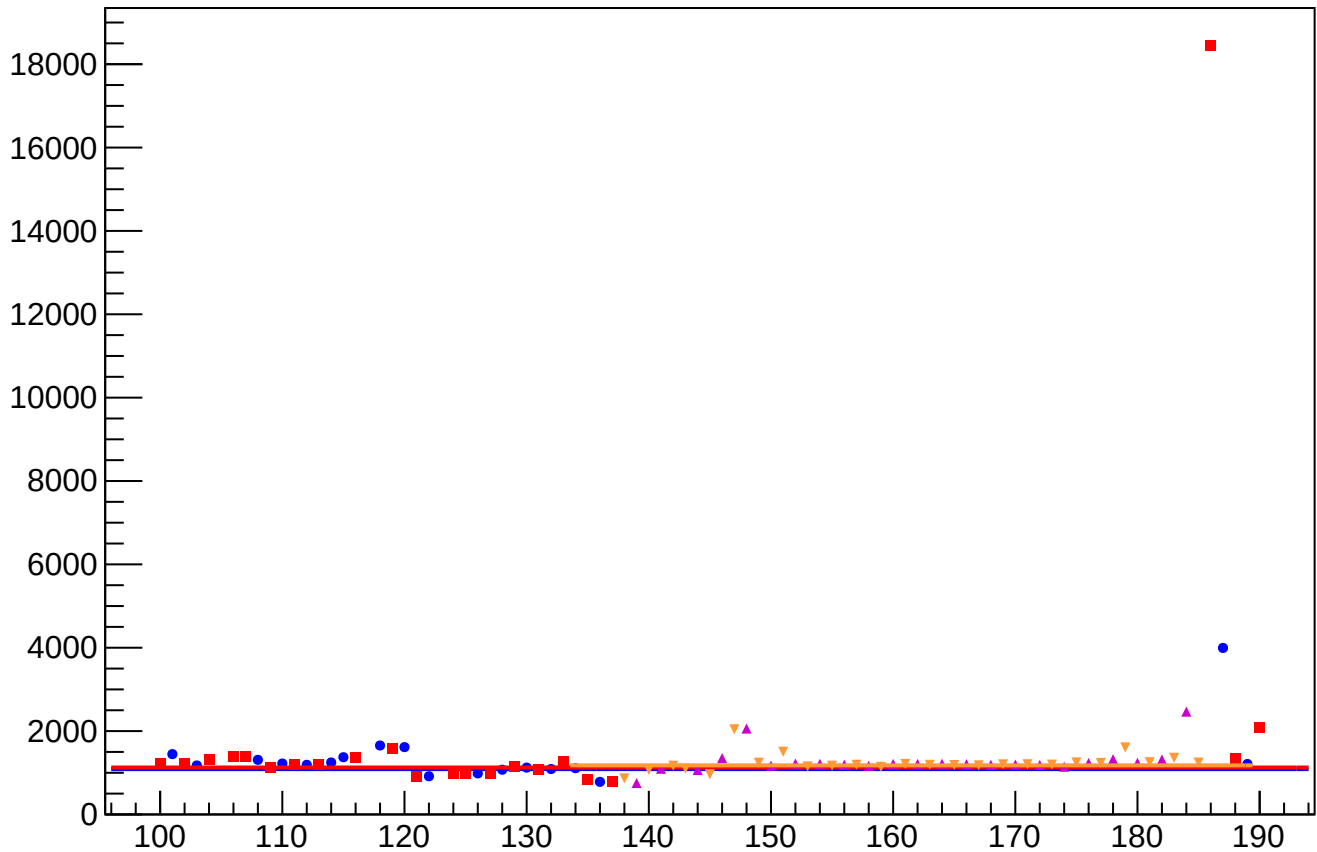
Left In: 0.029 ± 0.279 $\chi^2/\text{NDF}: 14.4/22$

+ sign 0.097 ± 0.226 $\chi^2/\text{NDF}: 42.2/42$

All: 0.042 ± 0.160 $\chi^2/\text{NDF}: 78.8/87$

- sign -0.013 ± 0.227 $\chi^2/\text{NDF}: 36.5/44$

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1088.209+/-0.284 χ^2/NDF : 844385.6/17

Left Out: 1177.742+/-0.193 χ^2/NDF : 800899.0/24

Right Out: 1126.622+/-0.278 χ^2/NDF : 1359558.3/21

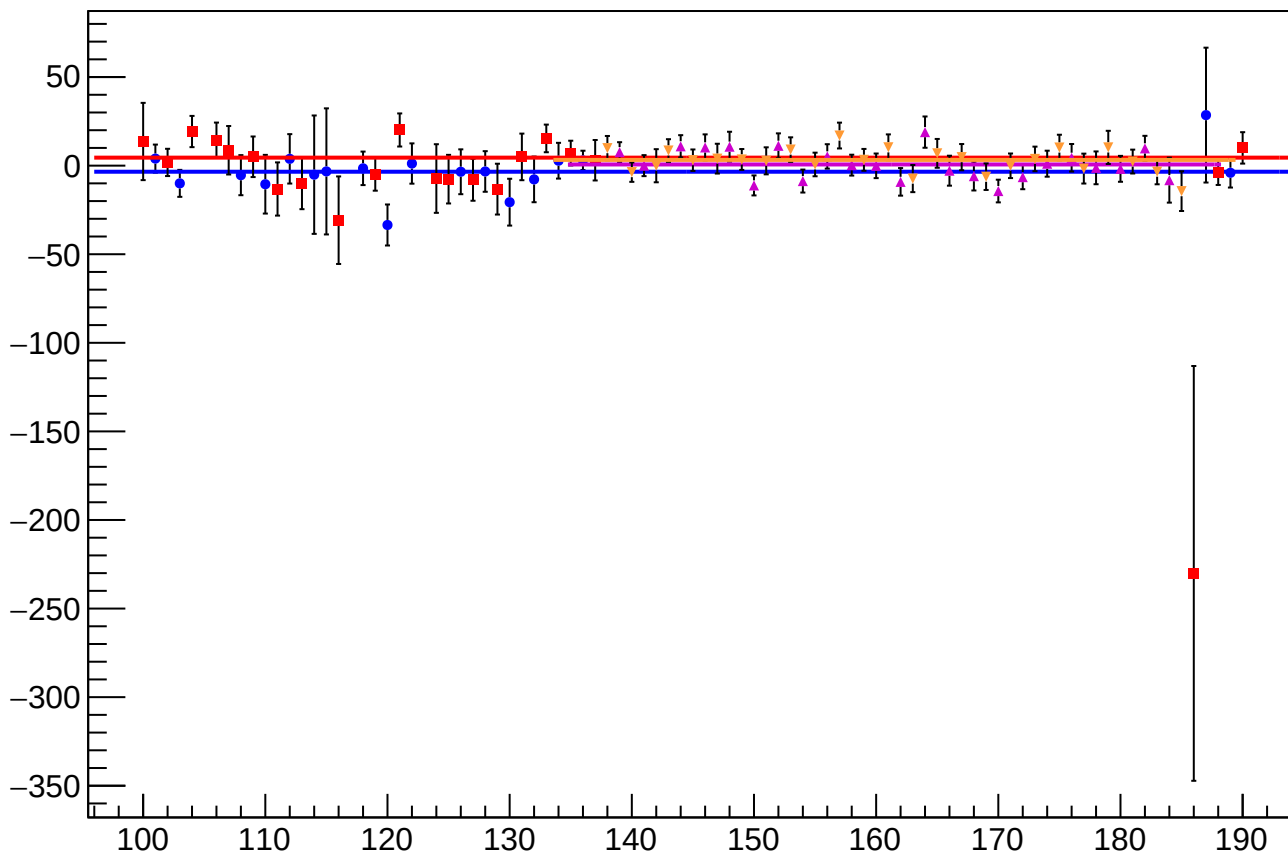
Left In: 1163.827+/-0.197 χ^2/NDF : 1052206.0/22

+ sign 1149.397+/-0.160 χ^2/NDF : 1713201.0/42

All: 1150.394+/-0.113 χ^2/NDF : 4136957.5/87

- sign 1151.402+/-0.161 χ^2/NDF : 2423678.3/44

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.435 ± 2.484 χ^2/NDF : 13.3/17

Left Out: 3.234 ± 1.430 χ^2/NDF : 17.9/24

Right Out: 4.516 ± 2.288 χ^2/NDF : 24.0/21

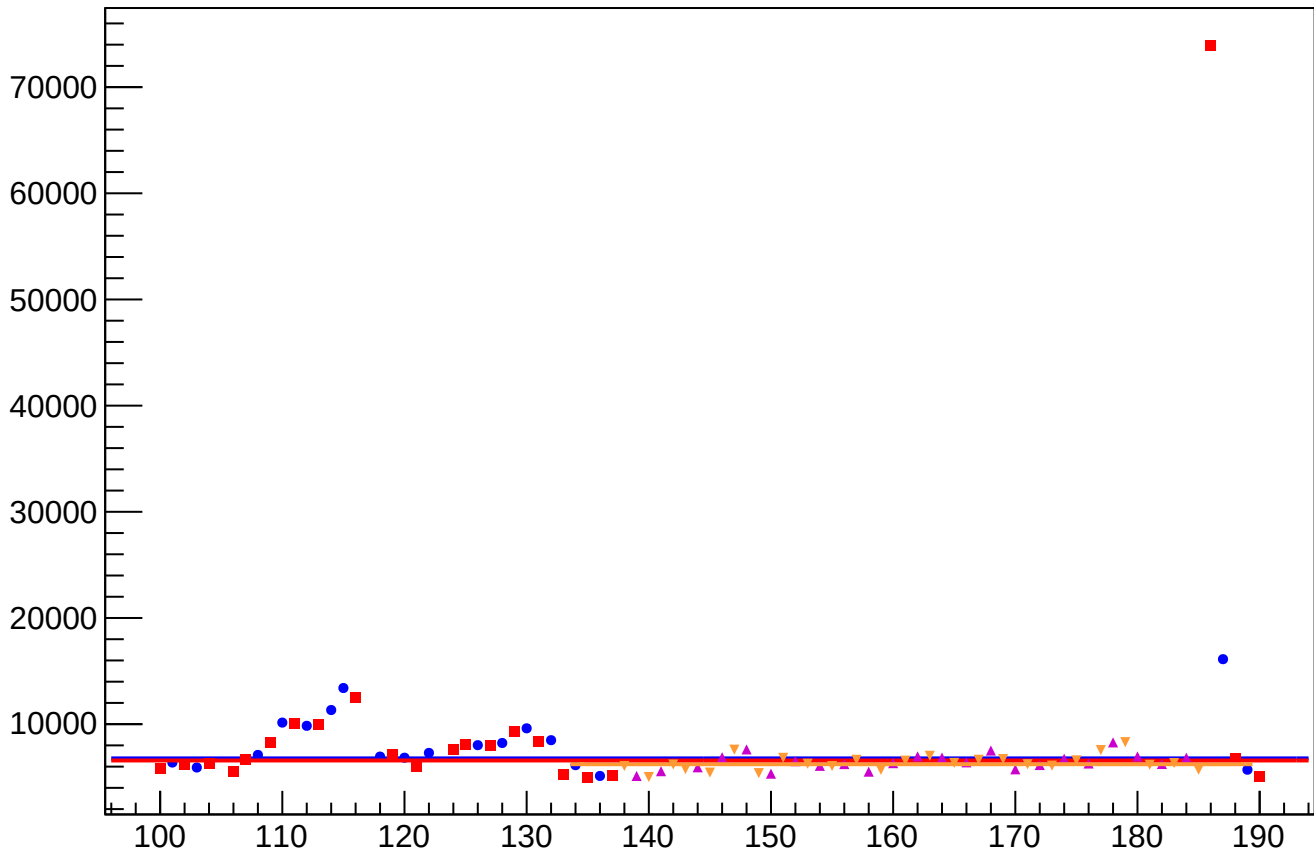
Left In: 0.667 ± 1.474 χ^2/NDF : 32.4/22

+ sign 1.575 ± 1.239 χ^2/NDF : 36.6/42

All: 1.685 ± 0.876 χ^2/NDF : 95.0/87

- sign 1.795 ± 1.239 χ^2/NDF : 58.3/44

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6773.956 $\pm$ 1.756 χ^2 /NDF: 847051.4/17

Left Out: 6228.654 $\pm$ 1.011 χ^2 /NDF: 470851.7/24

Right Out: 6580.017 $\pm$ 1.618 χ^2 /NDF: 1508346.9/21

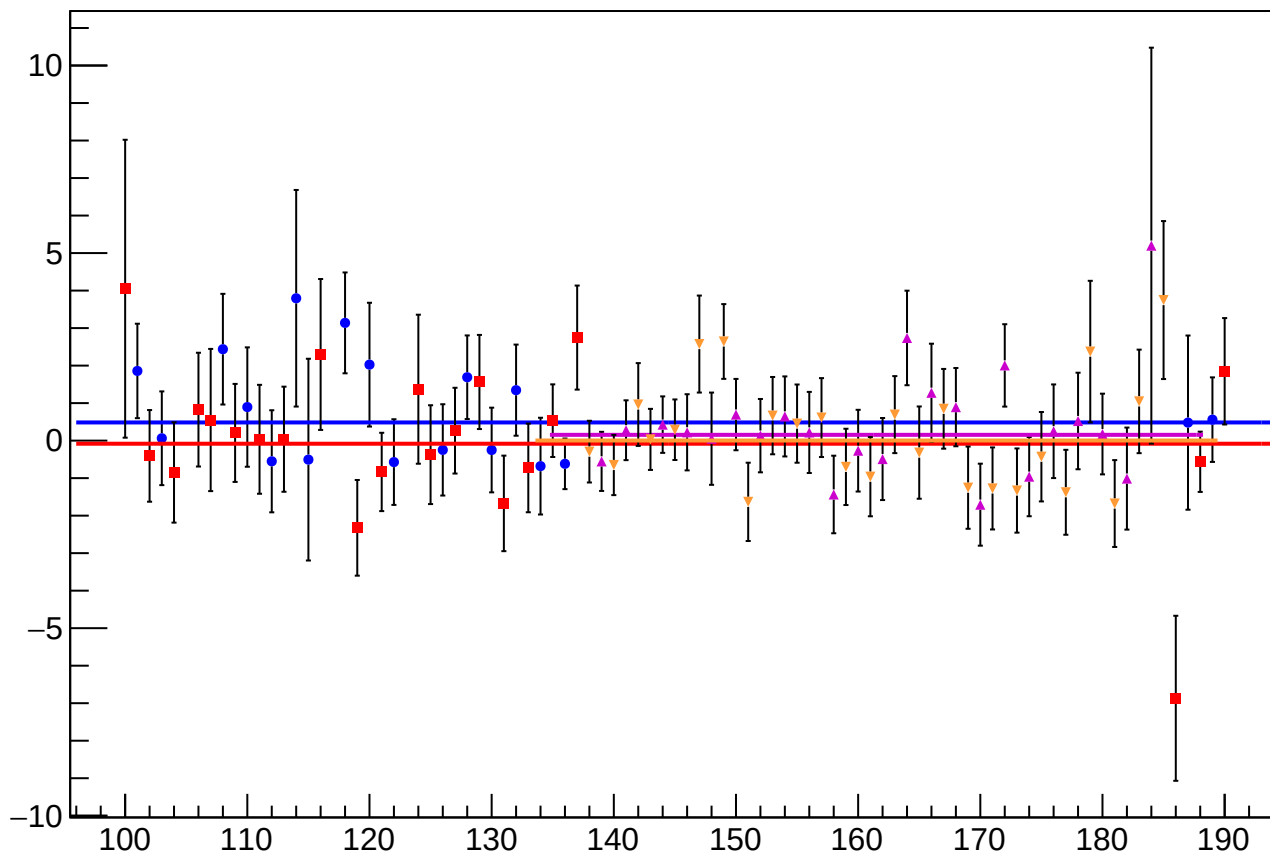
Left In: 6246.800 $\pm$ 1.042 χ^2 /NDF: 484982.9/22

+ sign 6364.347 $\pm$ 0.876 χ^2 /NDF: 1390313.6/42

All: 6354.422 $\pm$ 0.619 χ^2 /NDF: 3413880.2/87

- sign 6344.499 $\pm$ 0.876 χ^2 /NDF: 2023309.9/44

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.484 ± 0.297 χ^2/NDF : 16.7/17

Left Out: 0.003 ± 0.212 χ^2/NDF : 31.6/24

Right Out: -0.083 ± 0.280 χ^2/NDF : 27.6/21

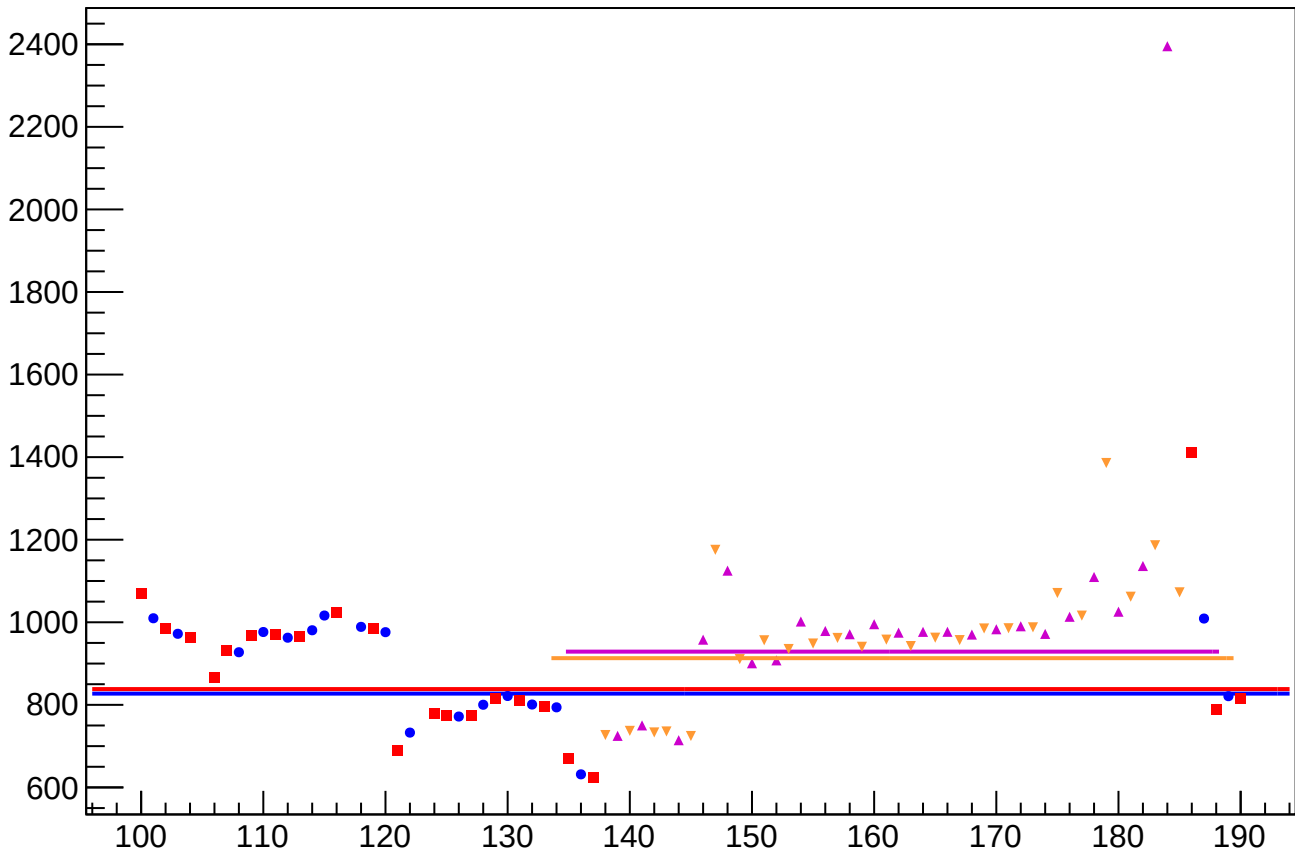
Left In: 0.154 ± 0.221 χ^2/NDF : 18.4/22

+ sign 0.165 ± 0.173 χ^2/NDF : 50.1/42

All: 0.115 ± 0.122 χ^2/NDF : 96.7/87

- sign 0.063 ± 0.174 χ^2/NDF : 46.4/44

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 827.218 $\pm$ 0.210 χ^2 /NDF: 377948.8/17

Left Out: 913.070 $\pm$ 0.150 χ^2 /NDF: 889200.0/24

Right Out: 838.206 $\pm$ 0.198 χ^2 /NDF: 463728.1/21

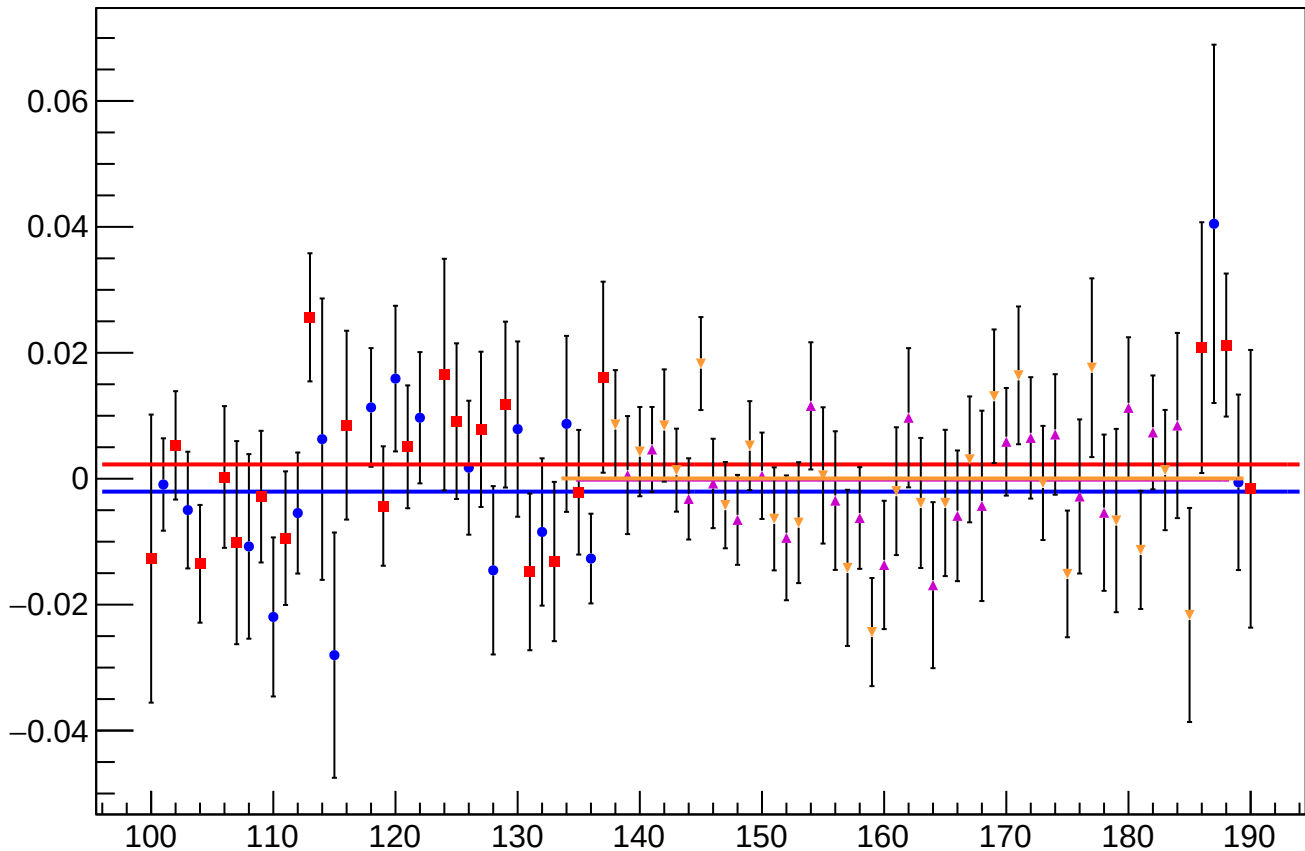
Left In: 928.913 $\pm$ 0.156 χ^2 /NDF: 769065.0/22

+ sign 884.125 $\pm$ 0.122 χ^2 /NDF: 1377811.7/42

All: 889.073 $\pm$ 0.087 χ^2 /NDF: 2743227.4/87

- sign 894.077 $\pm$ 0.123 χ^2 /NDF: 1362107.4/44

diff_dispE_bpm12X_mean vs Slug



Right In: -0.002 ± 0.003 $\chi^2/\text{NDF}: 17.6/17$

Left Out: 0.000 ± 0.002 $\chi^2/\text{NDF}: 31.1/24$

Right Out: 0.002 ± 0.003 $\chi^2/\text{NDF}: 21.2/21$

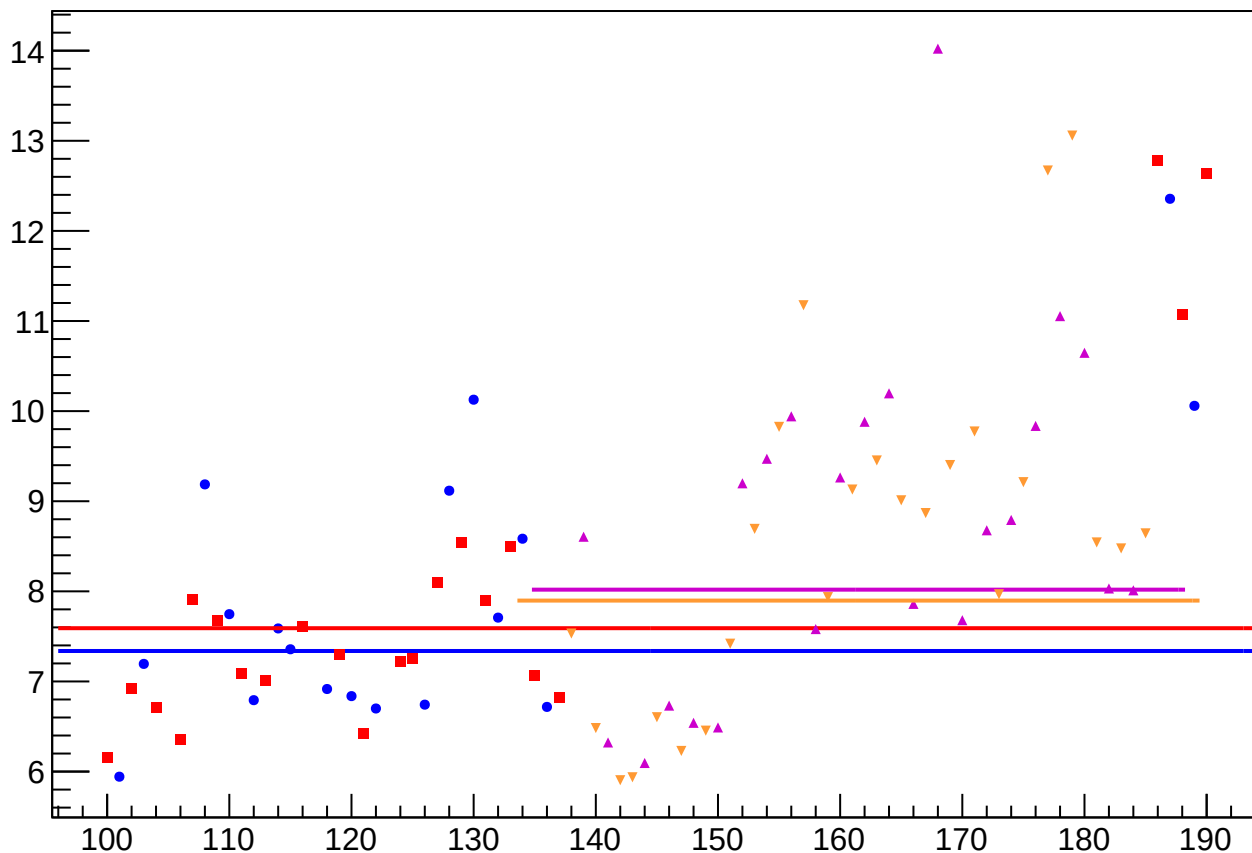
Left In: -0.000 ± 0.002 $\chi^2/\text{NDF}: 12.8/22$

+ sign -0.001 ± 0.002 $\chi^2/\text{NDF}: 49.1/42$

All: 0.000 ± 0.001 $\chi^2/\text{NDF}: 84.1/87$

- sign 0.001 ± 0.002 $\chi^2/\text{NDF}: 34.6/44$

diff_dispE_bpm12X_rms vs Slug



Right In: 7.338 $\pm$ 0.002 χ^2 /NDF: 422060.2/17

Left Out: 7.897 $\pm$ 0.001 χ^2 /NDF:1590867.7/24

Right Out: 7.591 $\pm$ 0.002 χ^2 /NDF: 570450.9/21

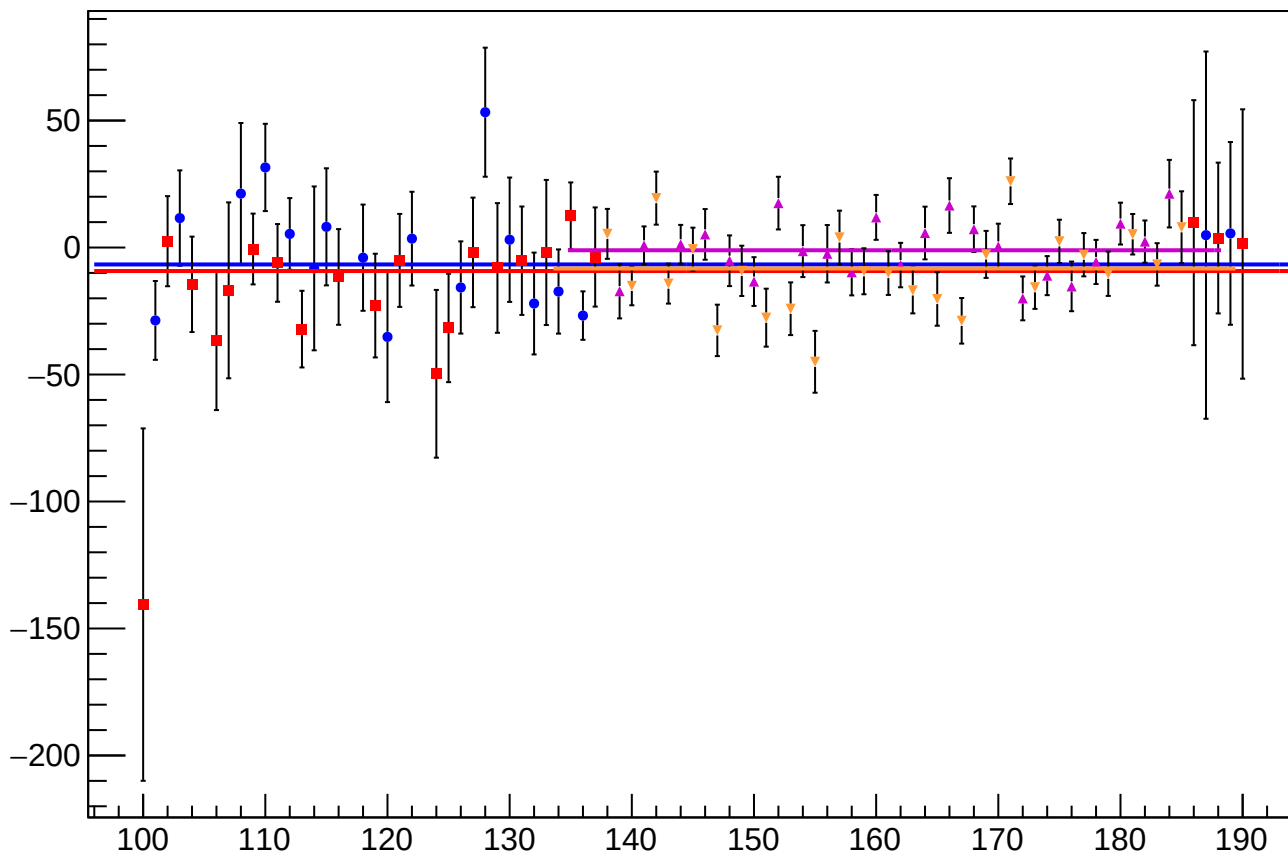
Left In: 8.019 $\pm$ 0.001 χ^2 /NDF:1455714.6/22

+ sign 7.715 $\pm$ 0.001 χ^2 /NDF: 2073048.6/42

All: 7.789 $\pm$ 0.001 χ^2 /NDF: 4144822.3/87

- sign 7.864 $\pm$ 0.001 χ^2 /NDF: 2062126.7/44

diff_targ_positionX_mean vs Slug



Right In: -6.656 ± 4.445 χ^2/NDF : 23.2/17

Left Out: -8.256 ± 1.849 χ^2/NDF : 62.2/24

Right Out: -9.245 ± 4.431 χ^2/NDF : 14.4/21

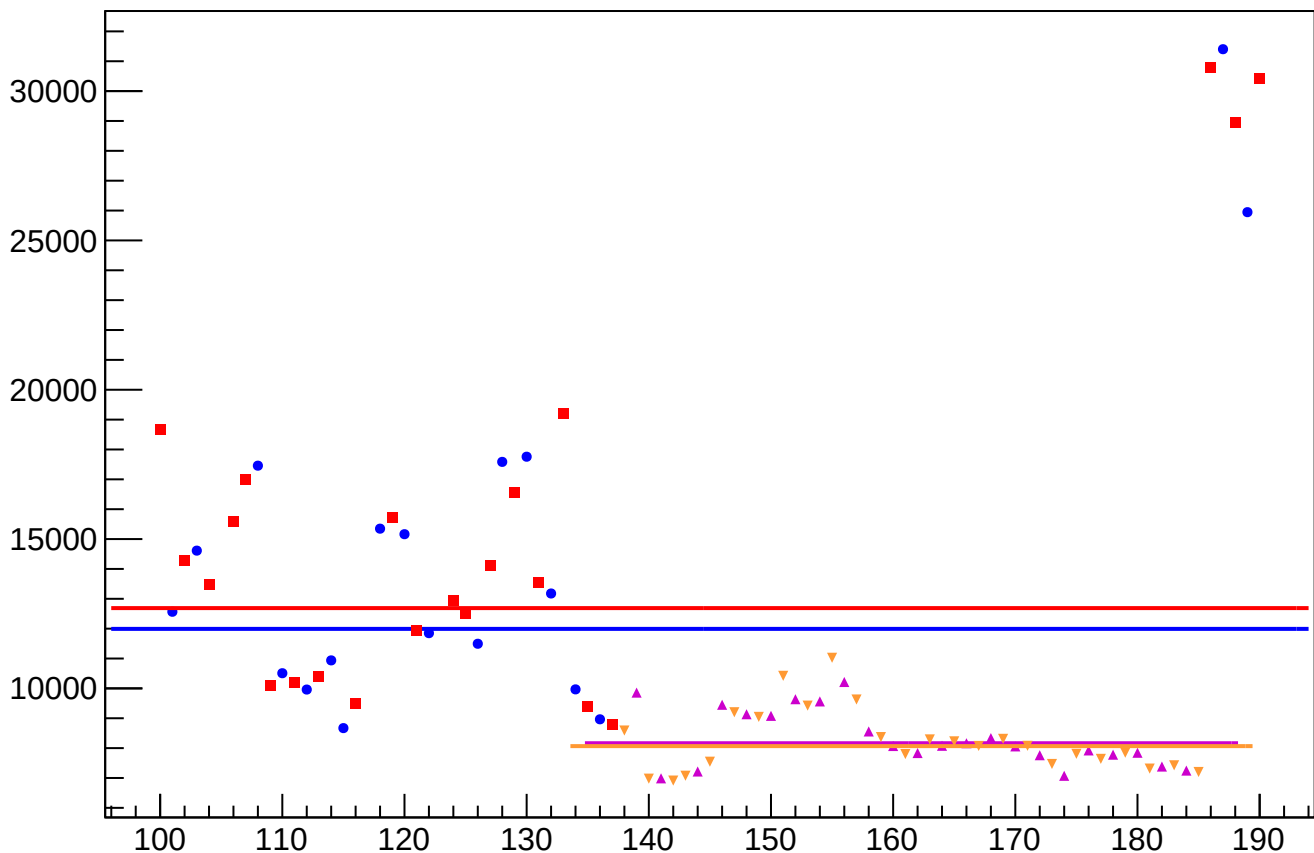
Left In: -1.072 ± 1.921 χ^2/NDF : 28.8/22

+ sign -8.020 ± 1.708 χ^2/NDF : 85.4/42

All: -5.282 ± 1.226 χ^2/NDF : 136.8/87

- sign -2.365 ± 1.762 χ^2/NDF : 46.1/44

diff_targ_positionX_rms vs Slug



Right In: 11992.643+/-3.143 χ^2/NDF : 1193720.2/17

Left Out: 8066.710+/-1.308 χ^2/NDF : 498146.1/24

Right Out: 12688.431+/-3.133 χ^2/NDF : 1834002.2/21

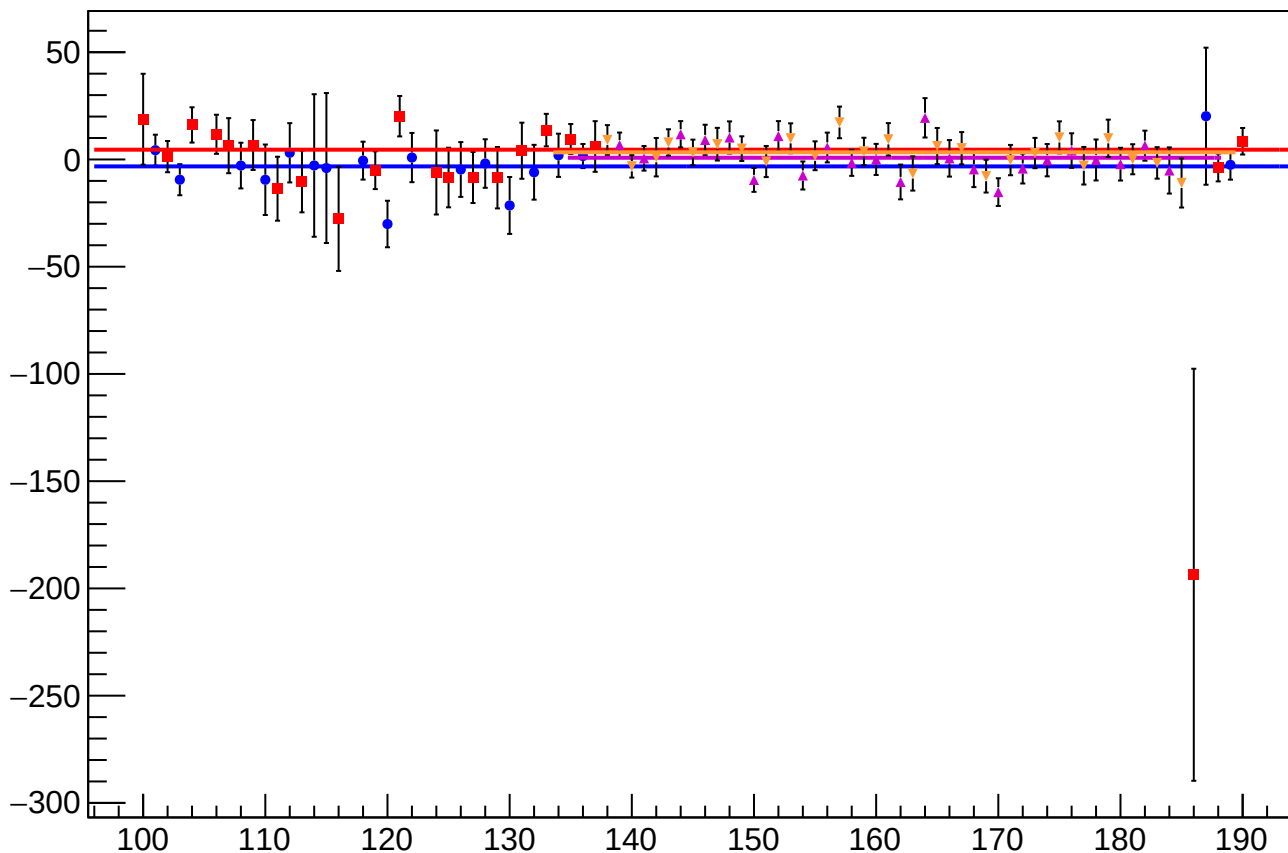
Left In: 8163.472+/-1.358 χ^2/NDF : 432350.3/22

+ sign 8645.964+/-1.207 χ^2/NDF : 3021610.8/42

All: 8758.889+/-0.867 χ^2/NDF : 7061550.3/87

- sign 8879.185+/-1.246 χ^2/NDF : 4021874.2/44

diff_targ_positionY_mean vs Slug



Right In: -3.238 ± 2.385 χ^2/NDF : 12.0/17

Left Out: 3.330 ± 1.431 χ^2/NDF : 16.9/24

Right Out: 4.554 ± 2.145 χ^2/NDF : 23.0/21

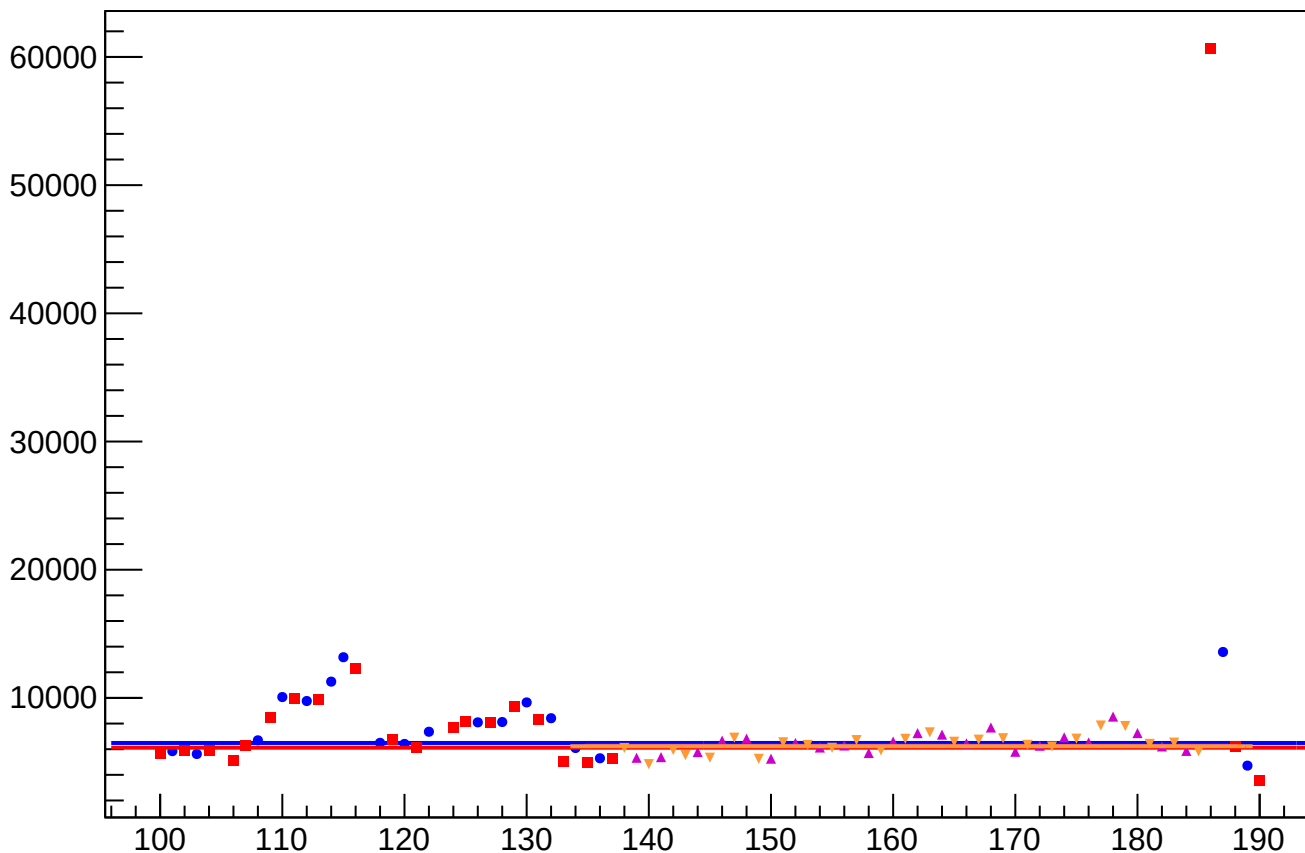
Left In: 0.797 ± 1.479 χ^2/NDF : 29.4/22

+ sign 1.592 ± 1.227 χ^2/NDF : 34.6/42

All: 1.801 ± 0.864 χ^2/NDF : 89.1/87

- sign 2.007 ± 1.217 χ^2/NDF : 54.5/44

diff_targ_positionY_rms vs Slug



Right In: 6486.451 ± 1.686 $\chi^2/\text{NDF}: 934280.4/17$

Left Out: 6230.934 ± 1.012 $\chi^2/\text{NDF}: 532579.4/24$

Right Out: 6118.342 ± 1.517 $\chi^2/\text{NDF}: 1874697.1/21$

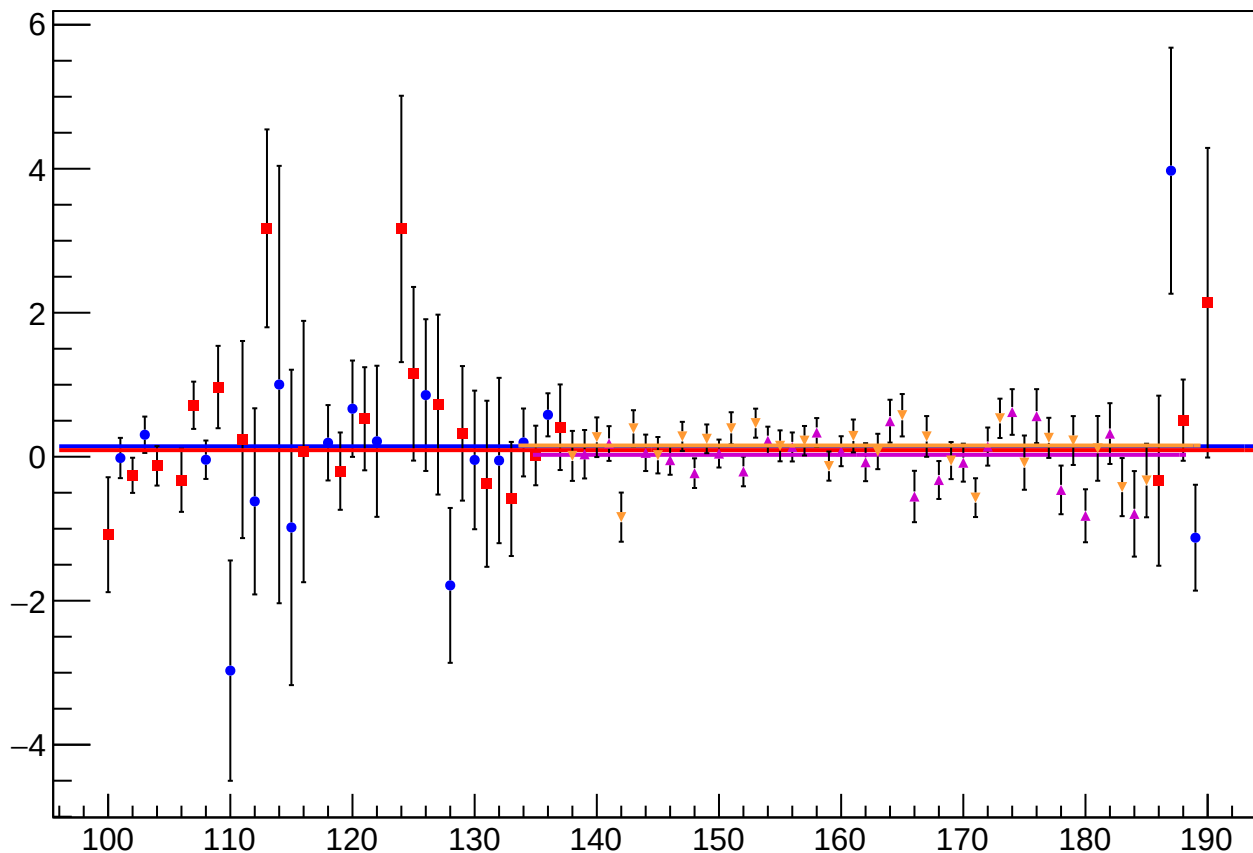
Left In: 6270.834 ± 1.046 $\chi^2/\text{NDF}: 504723.6/22$

+ sign 6298.548 ± 0.867 $\chi^2/\text{NDF}: 1483744.1/42$

All: 6259.846 ± 0.611 $\chi^2/\text{NDF}: 3873966.4/87$

- sign 6221.726 ± 0.861 $\chi^2/\text{NDF}: 2386271.0/44$

diff_targ_thetaX_mean vs Slug



Right In: 0.145 ± 0.118 χ^2/NDF : 20.6/17

Left Out: 0.156 ± 0.052 χ^2/NDF : 32.3/24

Right Out: 0.091 ± 0.116 χ^2/NDF : 24.1/21

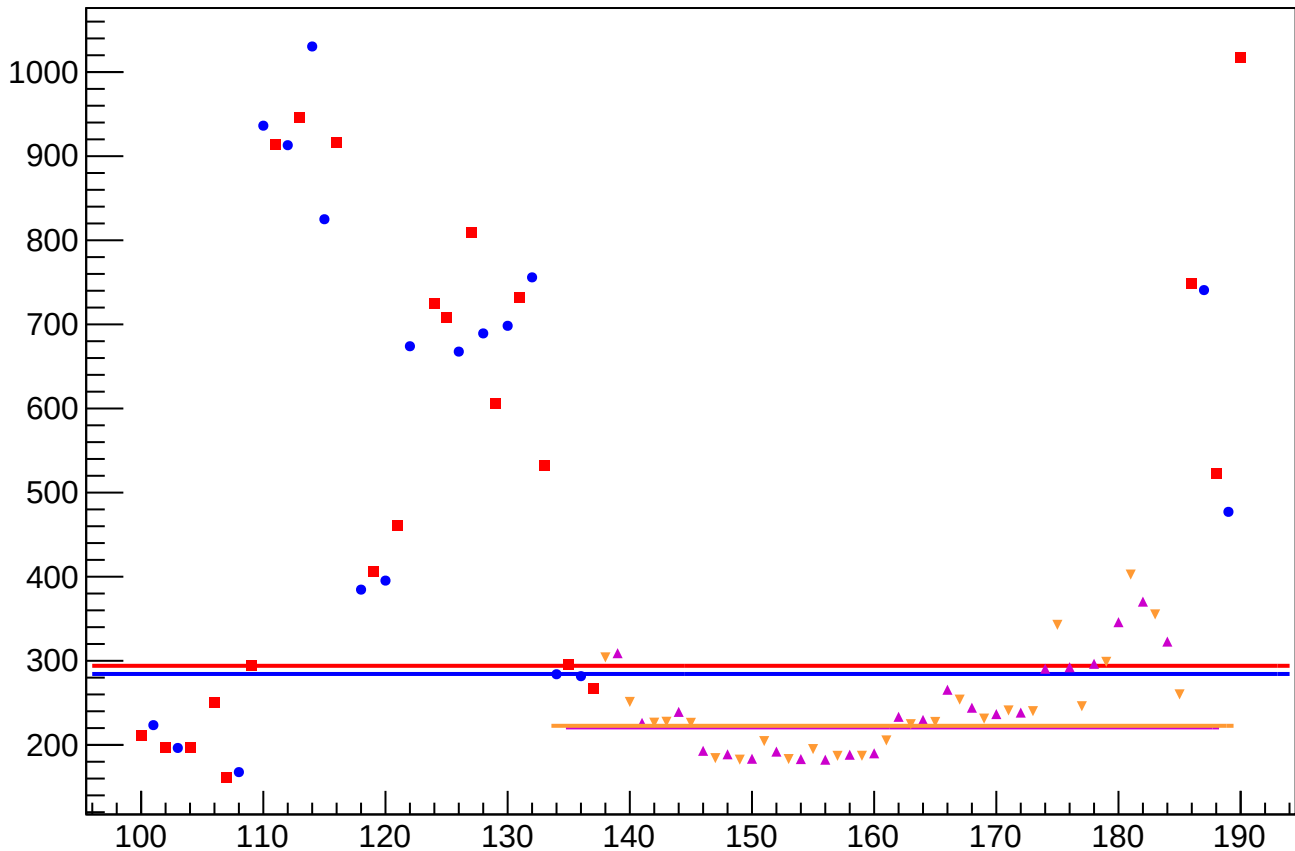
Left In: 0.026 ± 0.053 χ^2/NDF : 29.8/22

+ sign 0.154 ± 0.047 χ^2/NDF : 52.9/42

All: 0.097 ± 0.034 χ^2/NDF : 109.9/87

- sign 0.038 ± 0.048 χ^2/NDF : 54.1/44

diff_targ_thetaX_rms vs Slug



Right In: 284.351+/-0.083 χ^2/NDF : 3738187.2/17

Left Out: 222.727+/-0.037 χ^2/NDF :1451363.0/24

Right Out: 294.053+/-0.082 χ^2/NDF : 4462929.7/21

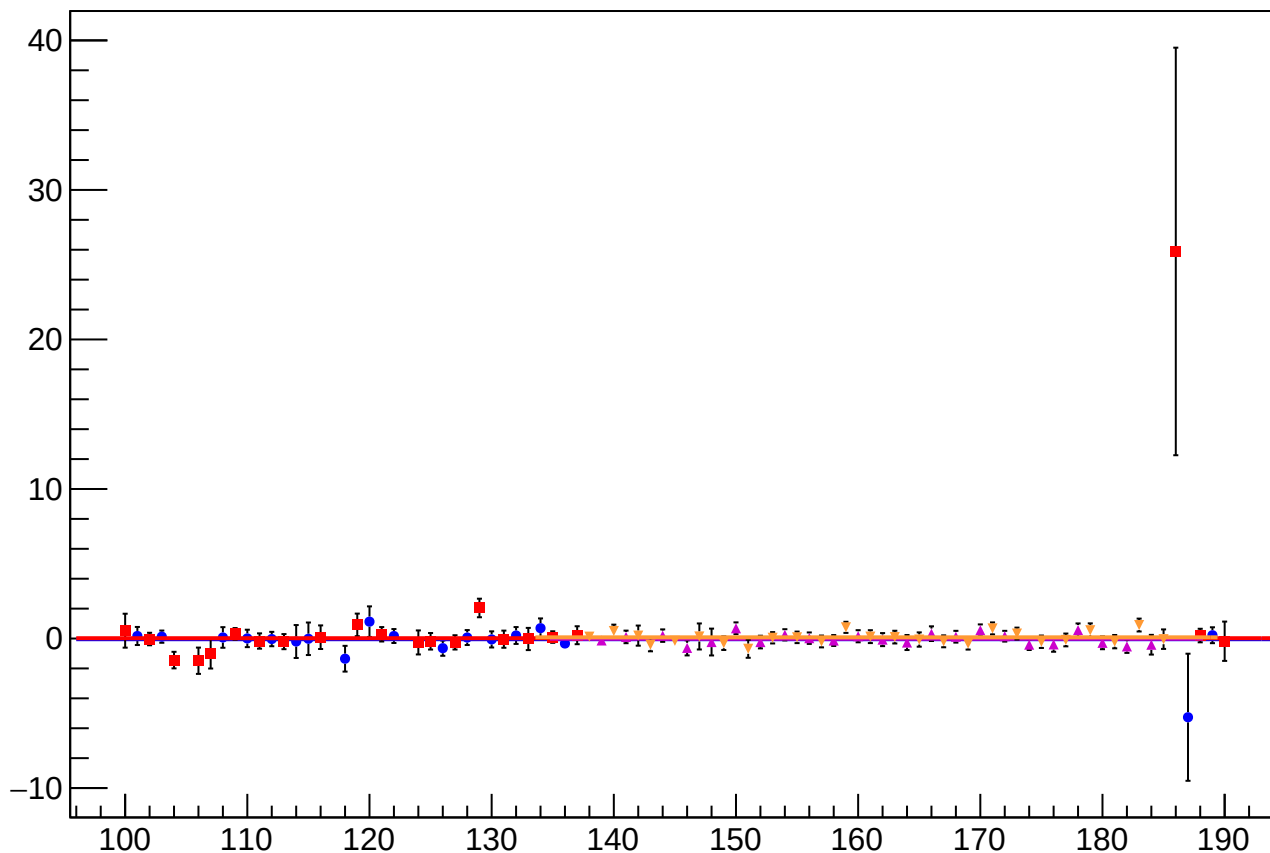
Left In: 220.802+/-0.037 χ^2/NDF :1471497.9/22

+ sign 232.755+/-0.034 χ^2/NDF : 5648186.6/42

All: 233.061+/-0.024 χ^2/NDF : 12239399.4/87

- sign 233.377+/-0.034 χ^2/NDF : 6591043.6/44

diff_targ_thetaY_mean vs Slug



Right In: -0.046 ± 0.130 χ^2/NDF : 9.9/17

Left Out: 0.079 ± 0.084 χ^2/NDF : 19.0/24

Right Out: 0.021 ± 0.123 χ^2/NDF : 29.0/21

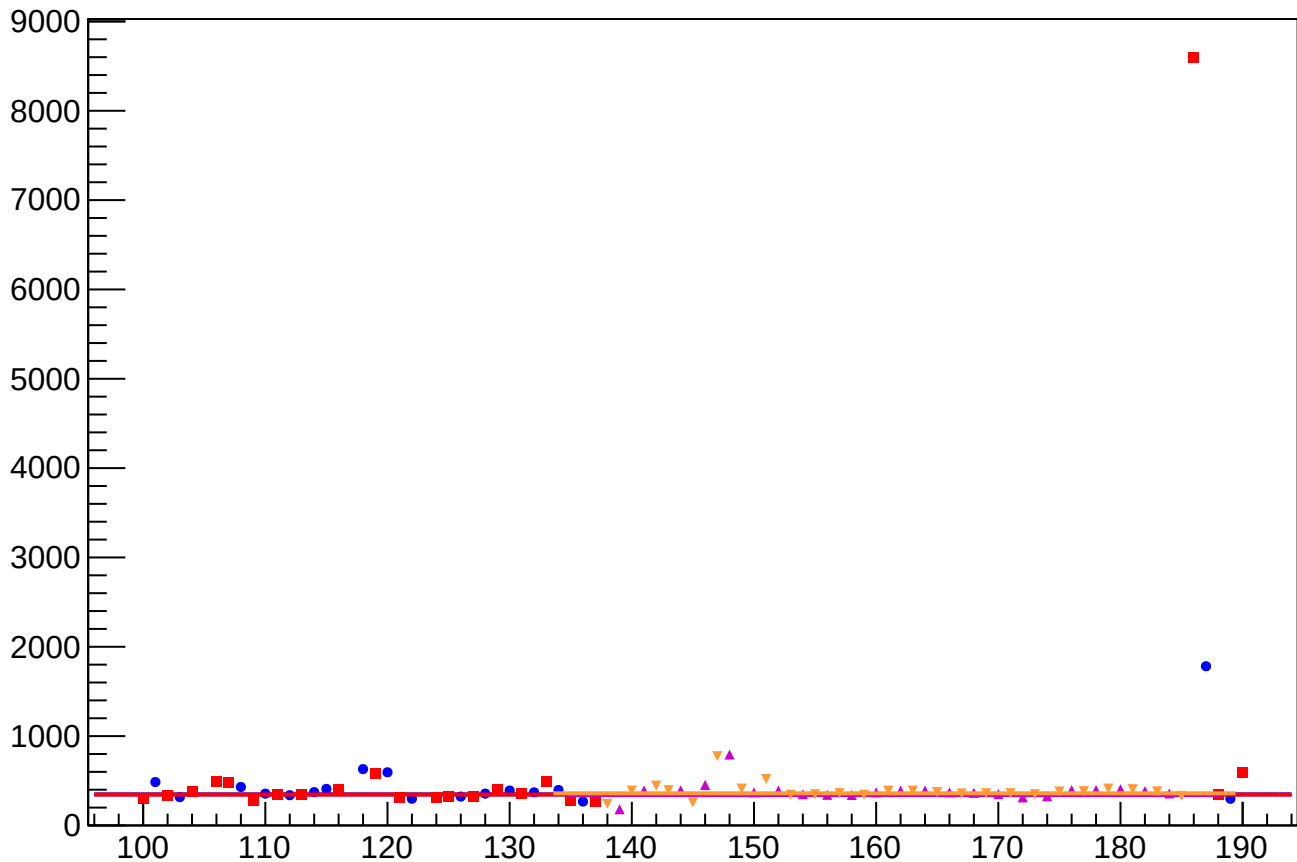
Left In: -0.009 ± 0.083 χ^2/NDF : 15.2/22

+ sign 0.042 ± 0.071 χ^2/NDF : 29.5/42

All: 0.021 ± 0.049 χ^2/NDF : 73.9/87

- sign 0.001 ± 0.069 χ^2/NDF : 44.2/44

diff_targ_thetaY_rms vs Slug



Right In: 347.871 $\pm$ 0.092 χ^2 /NDF: 944525.1/17

Left Out: 360.021 $\pm$ 0.060 χ^2 /NDF:1339748.9/24

Right Out: 345.927 $\pm$ 0.087 χ^2 /NDF: 1383490.6/21

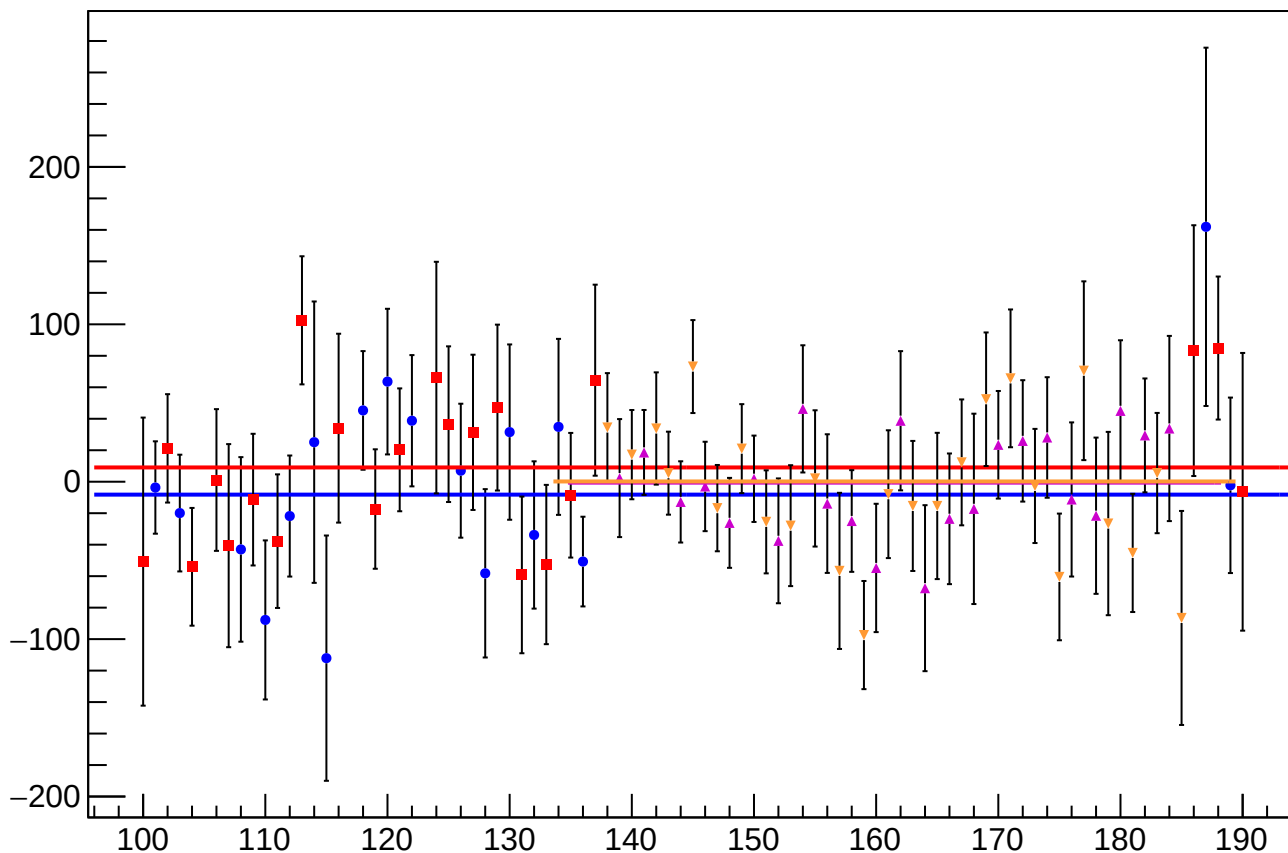
Left In: 340.020 $\pm$ 0.059 χ^2 /NDF:2225094.5/22

+ sign 356.412 $\pm$ 0.050 χ^2 /NDF: 2296613.3/42

All: 348.933 $\pm$ 0.035 χ^2 /NDF: 5951941.4/87

- sign 341.853 $\pm$ 0.049 χ^2 /NDF: 3611742.7/44

diff_bpmE_mean vs Slug



Right In: -8.203 ± 10.591 $\chi^2/\text{NDF}: 17.6/17$

Left Out: 0.168 ± 7.375 $\chi^2/\text{NDF}: 31.1/24$

Right Out: 9.069 ± 10.201 $\chi^2/\text{NDF}: 21.2/21$

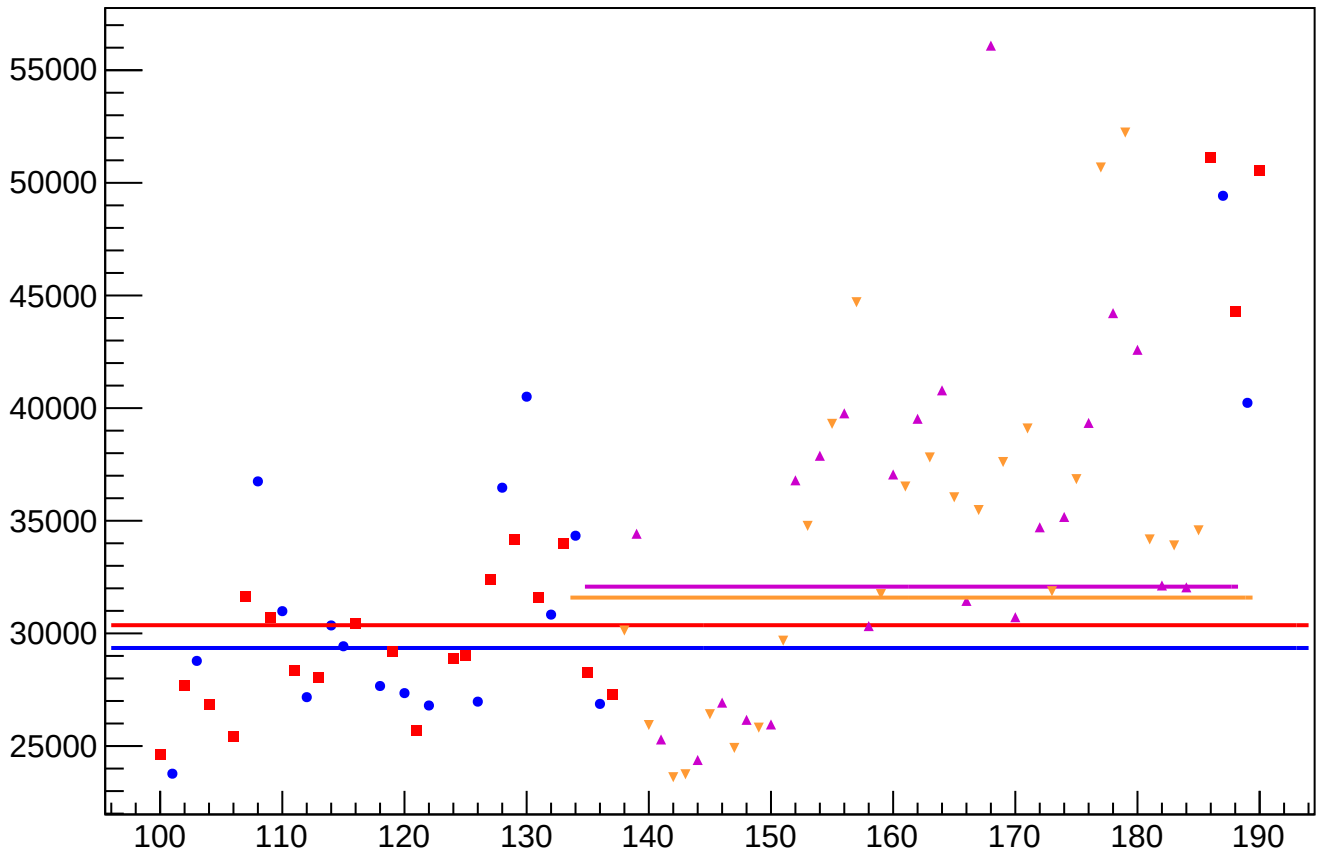
Left In: -0.586 ± 7.667 $\chi^2/\text{NDF}: 12.8/22$

+ sign -2.566 ± 6.052 $\chi^2/\text{NDF}: 49.1/42$

All: 0.132 ± 4.306 $\chi^2/\text{NDF}: 84.1/87$

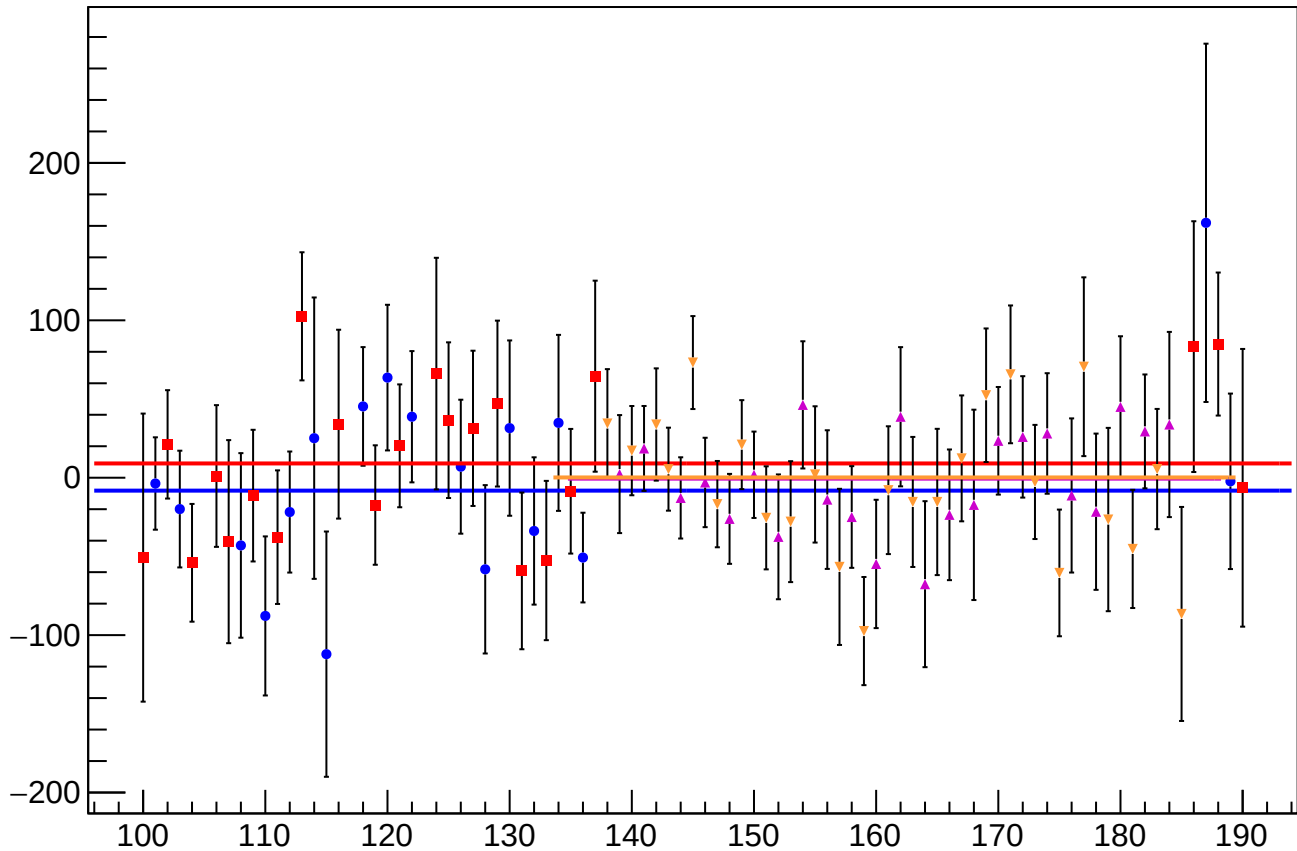
- sign 2.899 ± 6.129 $\chi^2/\text{NDF}: 34.6/44$

diff_bpmE_rms vs Slug



Right In: 29352.264+/-7.489	χ^2/NDF : 422060.2/17	+ sign 30859.182+/-4.279	χ^2/NDF : 2073048.6/42
Left Out: 31589.841+/-5.215	χ^2/NDF : 1590867.7/24	All: 31154.519+/-3.045	χ^2/NDF : 4144822.3/8
Right Out: 30363.946+/-7.213	χ^2/NDF : 570450.9/21	- sign 31457.396+/-4.334	χ^2/NDF : 2062126.7/44
Left In: 32075.078+/-5.421	χ^2/NDF : 1455714.6/22		

diff_bpmEX_mean vs Slug



Right In: -8.203 ± 10.591 χ^2/NDF : 17.6/17

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 9.069 ± 10.201 χ^2/NDF : 21.2/21

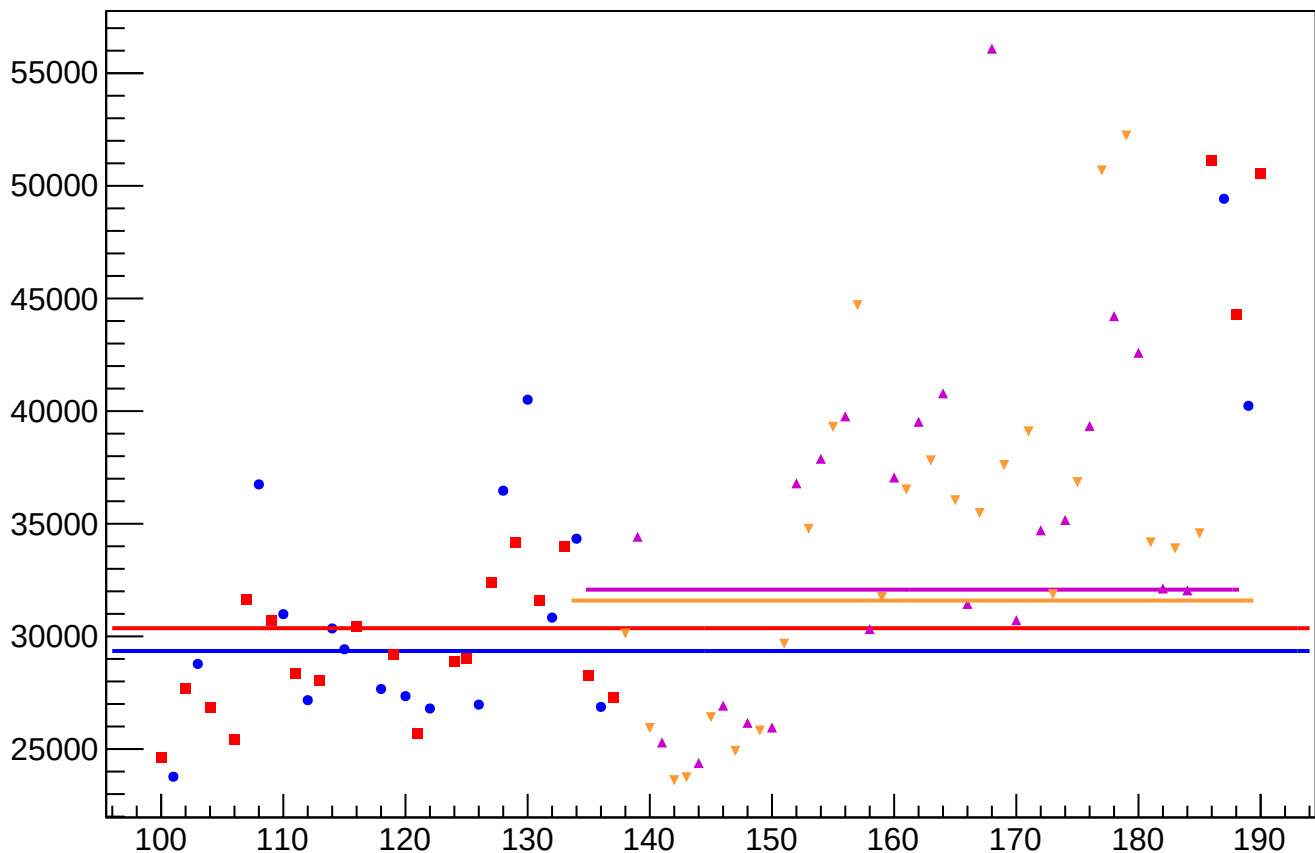
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign -2.566 ± 6.052 χ^2/NDF : 49.1/42

All: 0.132 ± 4.306 χ^2/NDF : 84.1/87

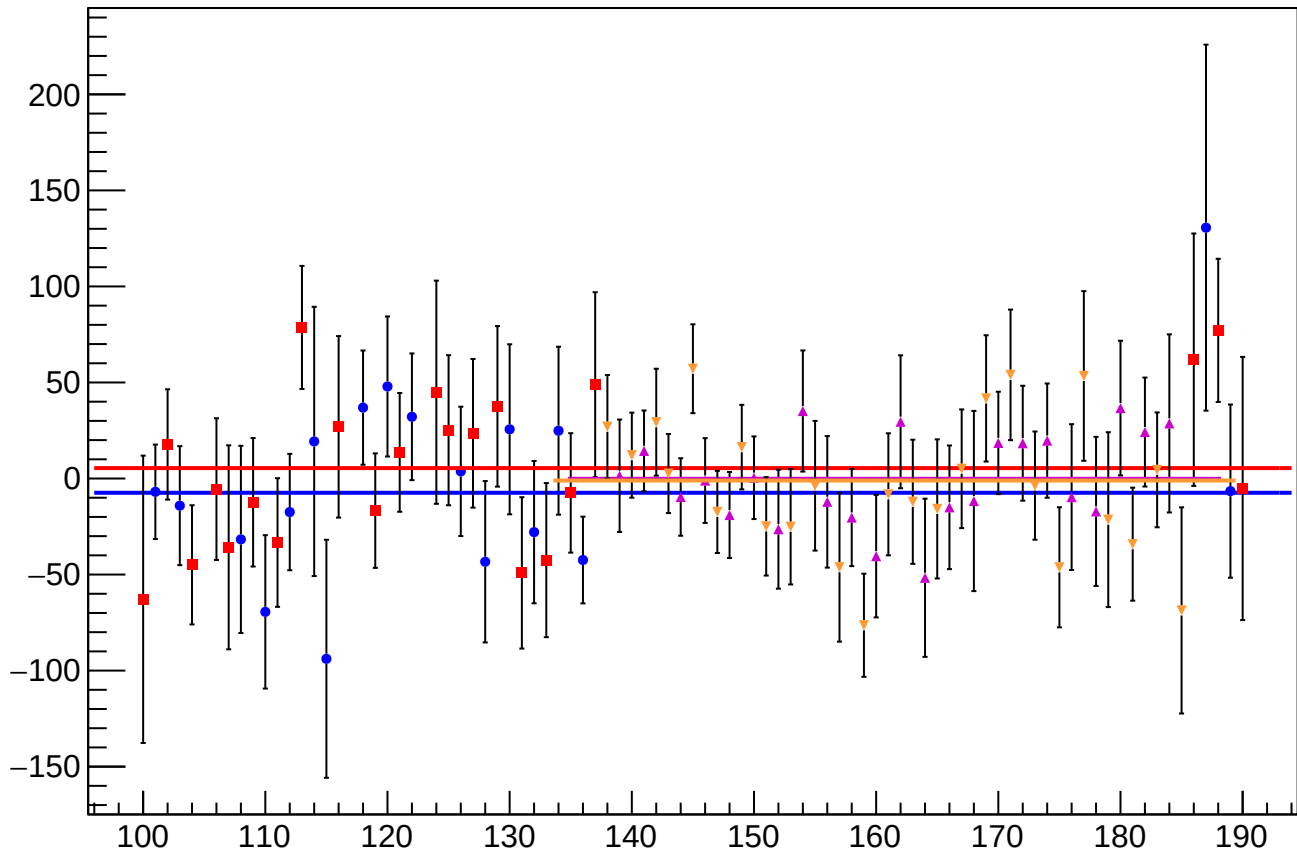
- sign 2.899 ± 6.129 χ^2/NDF : 34.6/44

diff_bpmEX_rms vs Slug



Right In: 29352.264+/-7.489	χ^2/NDF : 422060.2/17	+ sign 30859.182+/-4.279	χ^2/NDF : 2073048.6/42
Left Out: 31589.841+/-5.215	χ^2/NDF : 1590867.7/24	All: 31154.519+/-3.045	χ^2/NDF : 4144822.3/8
Right Out: 30363.946+/-7.213	χ^2/NDF : 570450.9/21	- sign 31457.396+/-4.334	χ^2/NDF : 2062126.7/44
Left In: 32075.078+/-5.421	χ^2/NDF : 1455714.6/22		

diff_bpmE_11X12X_mean vs Slug



Right In: -7.422 ± 8.488 χ^2/NDF : 17.6/17

Left Out: -1.042 ± 5.755 χ^2/NDF : 32.3/24

Right Out: 5.422 ± 8.169 χ^2/NDF : 22.3/21

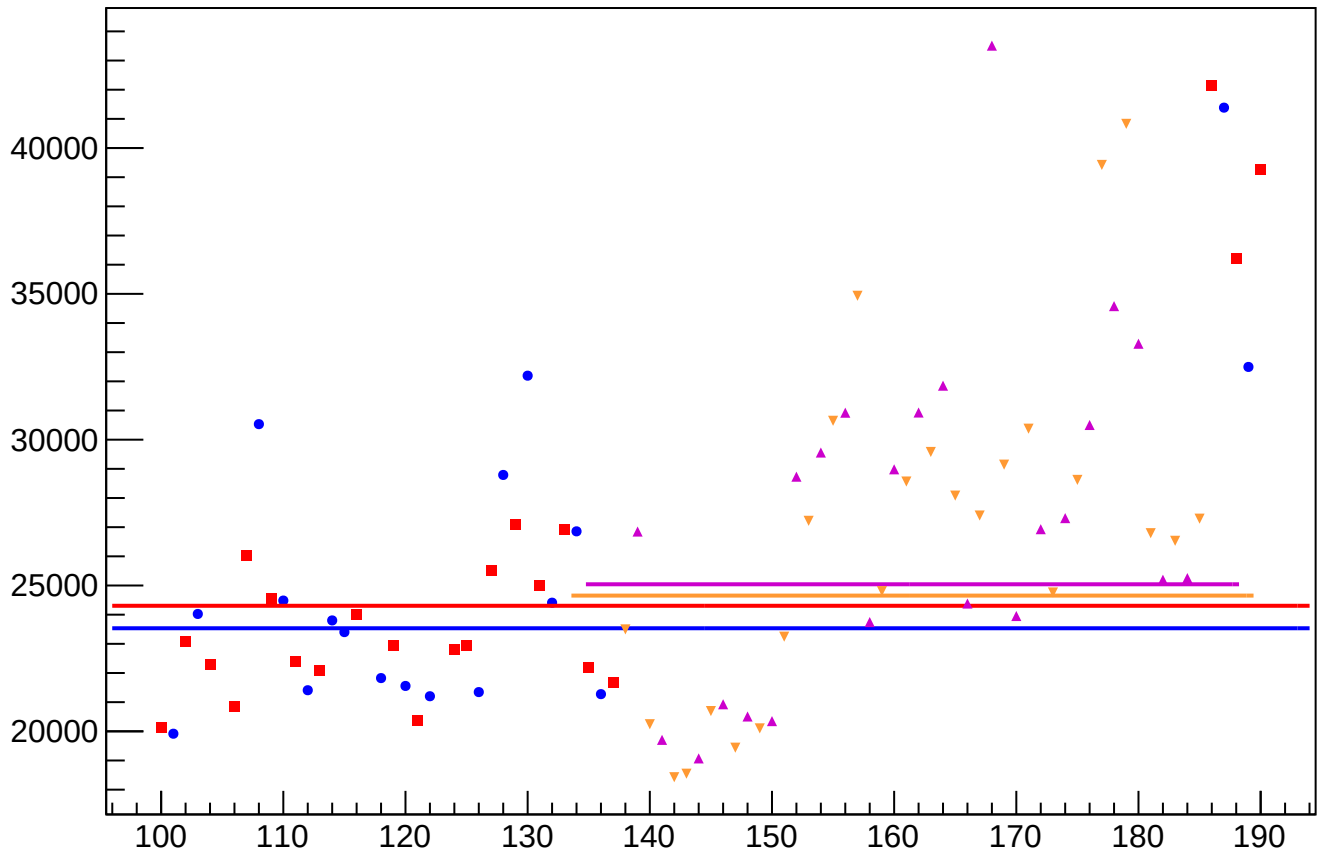
Left In: -0.147 ± 5.985 χ^2/NDF : 12.1/22

+ sign -3.051 ± 4.763 χ^2/NDF : 50.4/42

All: -0.659 ± 3.391 χ^2/NDF : 85.6/87

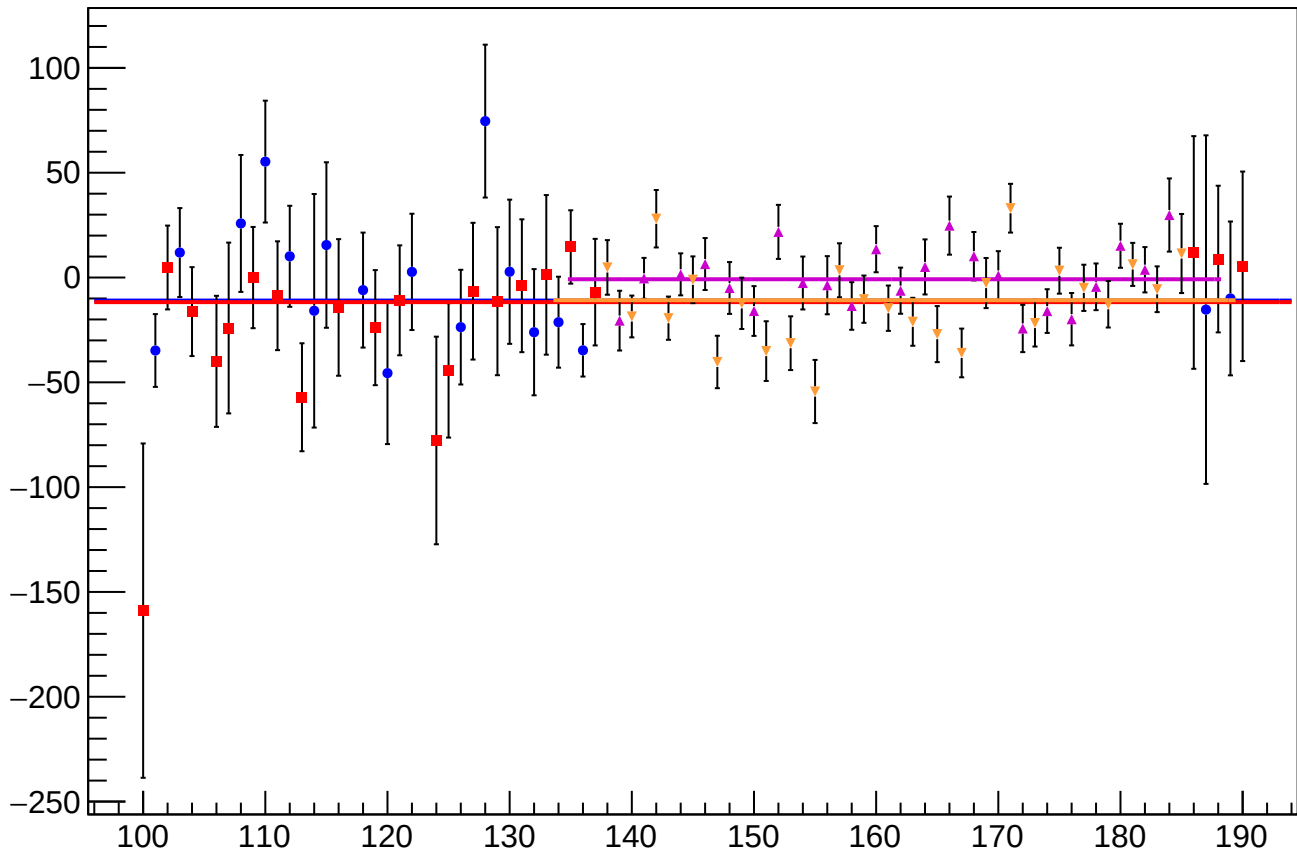
- sign 1.798 ± 4.828 χ^2/NDF : 34.8/44

diff_bpmE_11X12X_rms vs Slug



Right In: 23534.068+/-6.002	χ^2/NDF : 416784.6/17	+ sign 24301.344+/-3.368	χ^2/NDF : 2023348.4/42
Left Out: 24654.001+/-4.069	χ^2/NDF : 1582710.2/24	All: 24539.652+/-2.398	χ^2/NDF : 4062906.1/8
Right Out: 24304.693+/-5.776	χ^2/NDF : 577164.0/21	- sign 24784.466+/-3.414	χ^2/NDF : 2029408.1/44
Left In: 25041.993+/-4.232	χ^2/NDF : 1441641.5/22		

diff_bpm4aesumX_mean vs Slug



Right In: -10.997 ± 6.054 χ^2/NDF : 22.0/17

Left Out: -10.822 ± 2.370 χ^2/NDF : 61.3/24

Right Out: -11.733 ± 6.180 χ^2/NDF : 14.6/21

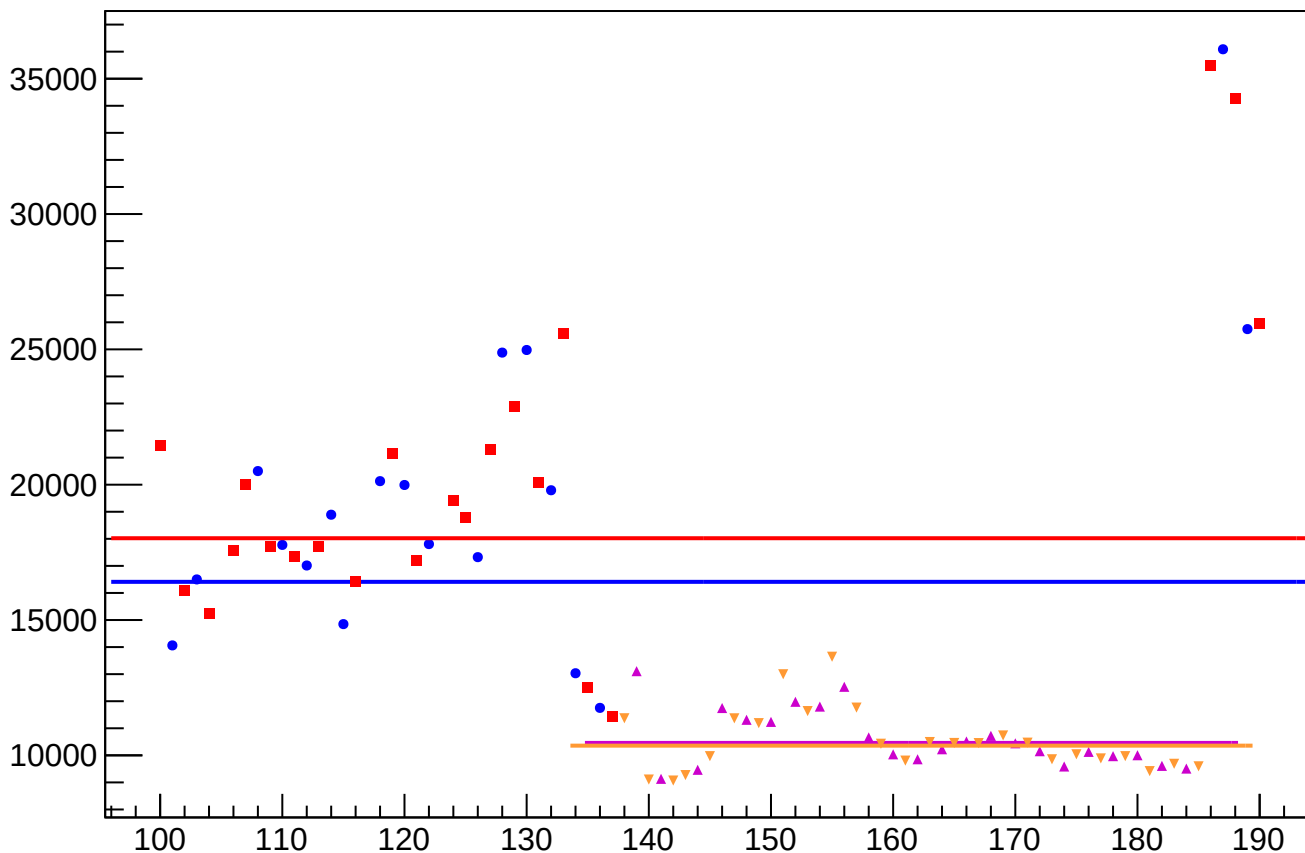
Left In: -0.826 ± 2.457 χ^2/NDF : 29.4/22

+ sign -10.845 ± 2.207 χ^2/NDF : 83.3/42

All: -6.725 ± 1.587 χ^2/NDF : 137.2/87

- sign -2.315 ± 2.283 χ^2/NDF : 46.7/44

diff_bpm4aesumX_rms vs Slug



Right In: 16410.583 $\pm$ 4.281 χ^2 /NDF: 971455.9/17

Left Out: 10358.363 $\pm$ 1.676 χ^2 /NDF: 363077.1/24

Right Out: 18021.949 $\pm$ 4.370 χ^2 /NDF: 1268084.1/21

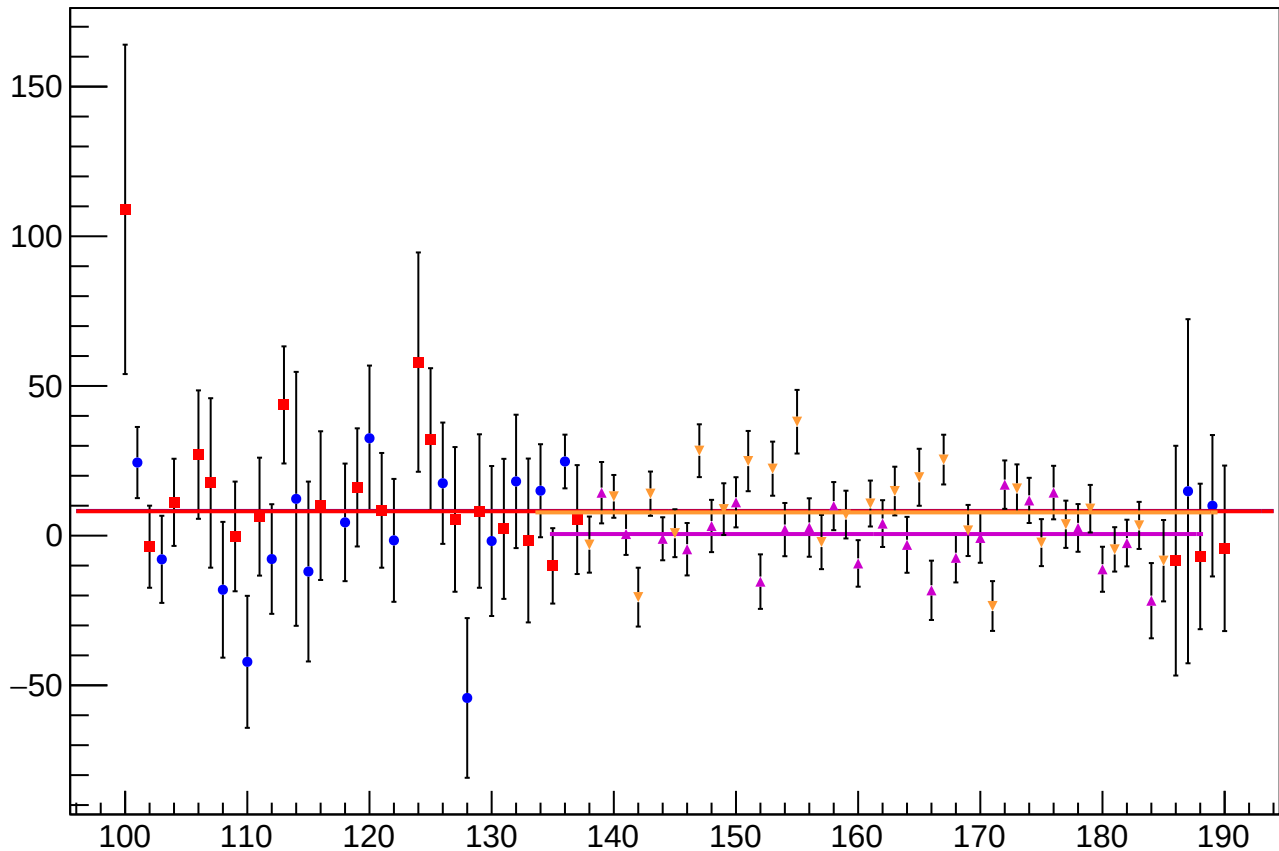
Left In: 10459.060 $\pm$ 1.737 χ^2 /NDF: 314636.9/22

+ sign 11162.835 $\pm$ 1.561 χ^2 /NDF: 3067665.1/42

All: 11321.544 $\pm$ 1.122 χ^2 /NDF: 7258256.4/8

- sign 11491.370 $\pm$ 1.614 χ^2 /NDF: 4169185.6/44

diff_bpm4aediiffX_mean vs Slug



Right In: 8.250 ± 4.335 χ^2/NDF : 21.8/17

Left Out: 7.763 ± 1.691 χ^2/NDF : 60.9/24

Right Out: 8.145 ± 4.437 χ^2/NDF : 14.7/21

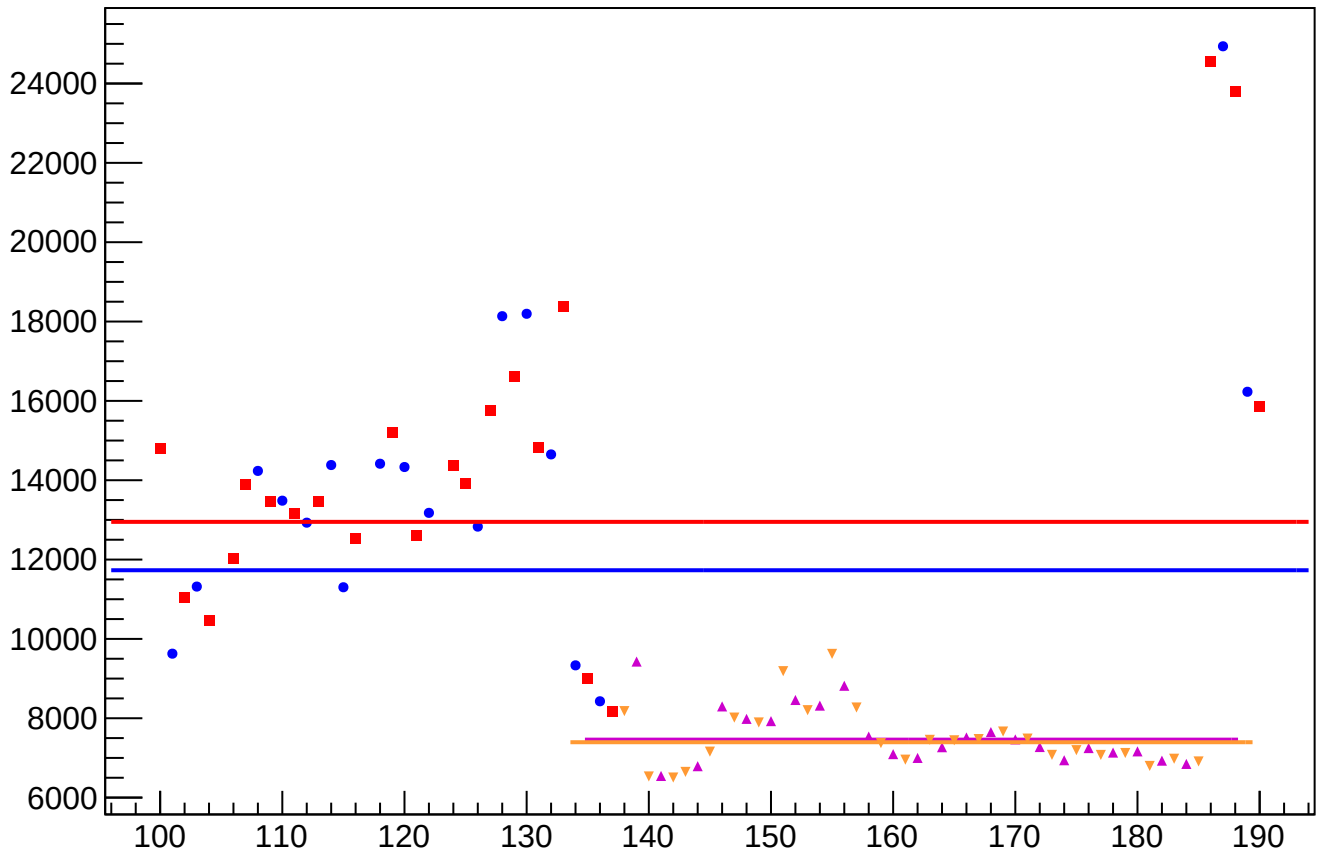
Left In: 0.532 ± 1.752 χ^2/NDF : 29.4/22

+ sign 7.828 ± 1.576 χ^2/NDF : 82.8/42

All: 4.798 ± 1.133 χ^2/NDF : 137.1/87

- sign 1.559 ± 1.630 χ^2/NDF : 46.7/44

diff_bpm4aediiffX_rms vs Slug



Right In: 11730.910 $\pm$ 3.065 χ^2 /NDF: 973853.2/17

Left Out: 7395.667 $\pm$ 1.196 χ^2 /NDF:324459.4/24

Right Out: 12950.501 $\pm$ 3.138 χ^2 /NDF: 1241110.1/21

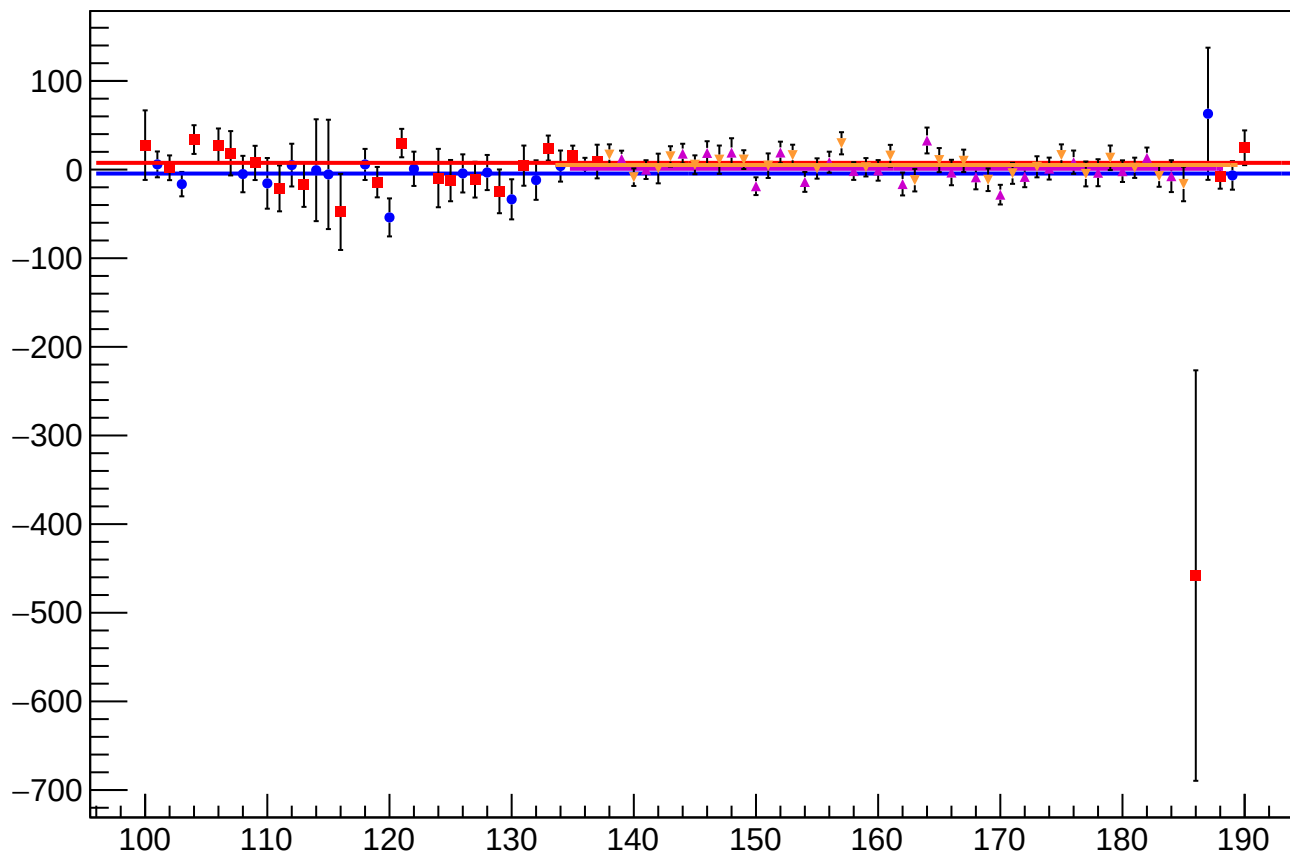
Left In: 7460.824 $\pm$ 1.239 χ^2 /NDF:284034.9/22

+ sign 7968.508 $\pm$ 1.114 χ^2 /NDF: 3034317.2/42

All: 8080.965 $\pm$ 0.801 χ^2 /NDF: 7229031.8/87

- sign 8201.229 $\pm$ 1.152 χ^2 /NDF: 4173634.5/44

diff_bpm4aesumY_mean vs Slug



Right In: -4.494 ± 4.374 χ^2/NDF : 11.1/17

Left Out: 5.178 ± 2.459 χ^2/NDF : 18.4/24

Right Out: 7.581 ± 4.085 χ^2/NDF : 23.4/21

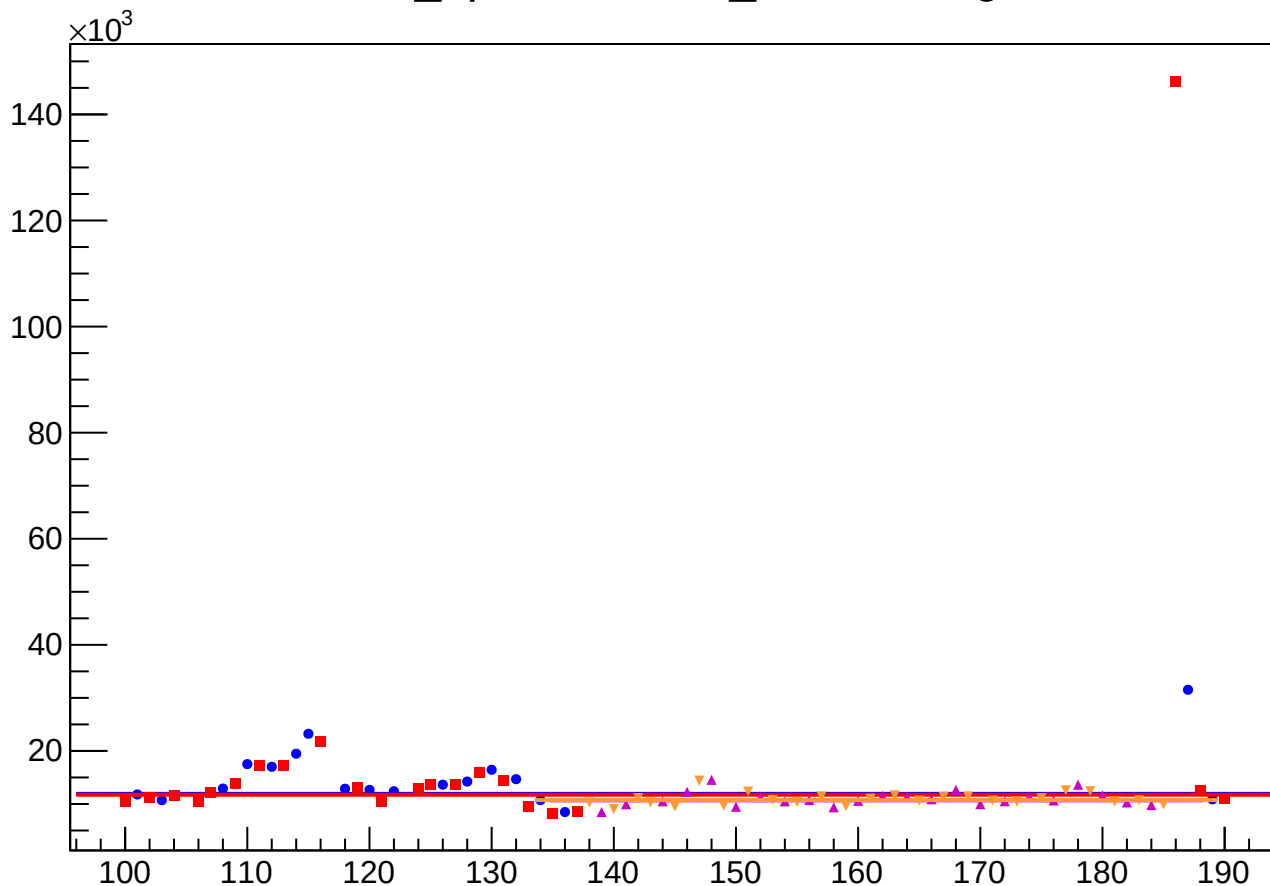
Left In: 0.891 ± 2.519 χ^2/NDF : 31.8/22

+ sign 2.855 ± 2.143 χ^2/NDF : 33.2/42

All: 2.794 ± 1.516 χ^2/NDF : 90.3/87

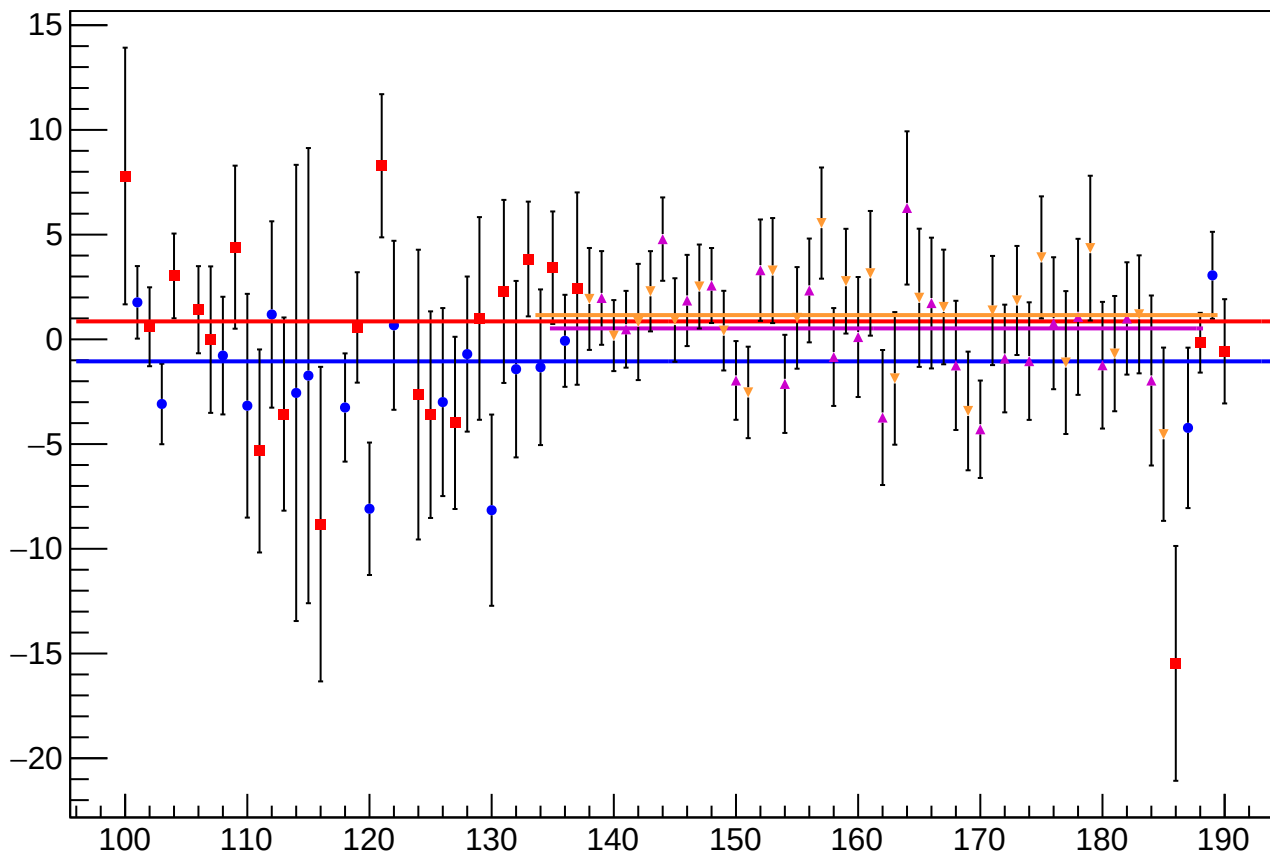
- sign 2.734 ± 2.144 χ^2/NDF : 57.1/44

diff_bpm4aesumY_rms vs Slug



Right In: 11906.328 ± 3.093 $\chi^2/\text{NDF}: 896625.4/17$ + sign 11015.266 ± 1.516 $\chi^2/\text{NDF}: 1374111.1/42$
 Left Out: 10733.733 ± 1.739 $\chi^2/\text{NDF}: 368279.7/24$ All: 10992.783 ± 1.072 $\chi^2/\text{NDF}: 3447762.8/8$
 Right Out: 11741.615 ± 2.889 $\chi^2/\text{NDF}: 1474249.3/21$ - sign 10970.290 ± 1.516 $\chi^2/\text{NDF}: 2073211.5/44$
 Left In: 10677.154 ± 1.781 $\chi^2/\text{NDF}: 500574.4/22$

diff_bpm4aediY_mean vs Slug



Right In: -1.051 ± 0.716 χ^2/NDF : 17.5/17

Left Out: 1.158 ± 0.500 χ^2/NDF : 16.8/24

Right Out: 0.857 ± 0.634 χ^2/NDF : 26.5/21

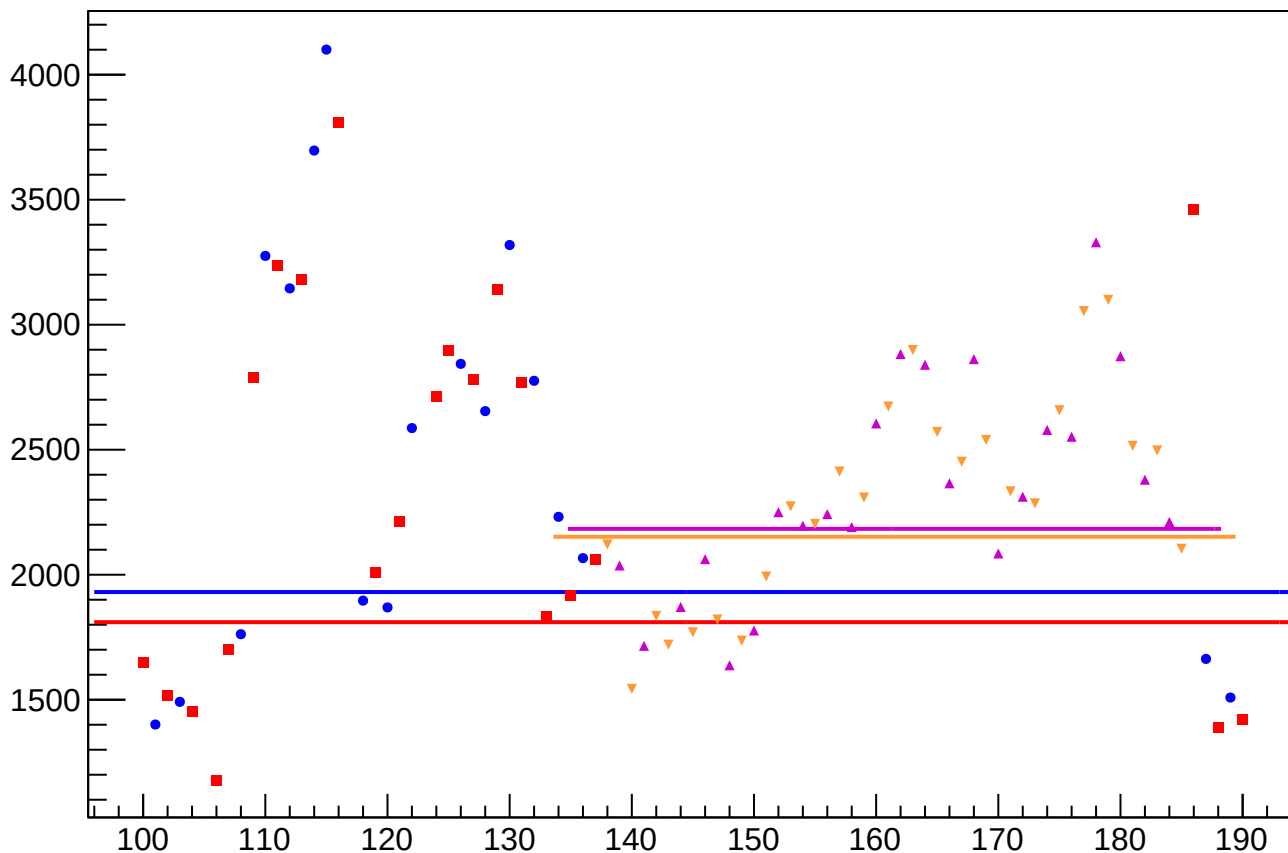
Left In: 0.522 ± 0.520 χ^2/NDF : 22.3/22

+ sign 0.433 ± 0.410 χ^2/NDF : 40.7/42

All: 0.547 ± 0.287 χ^2/NDF : 89.8/87

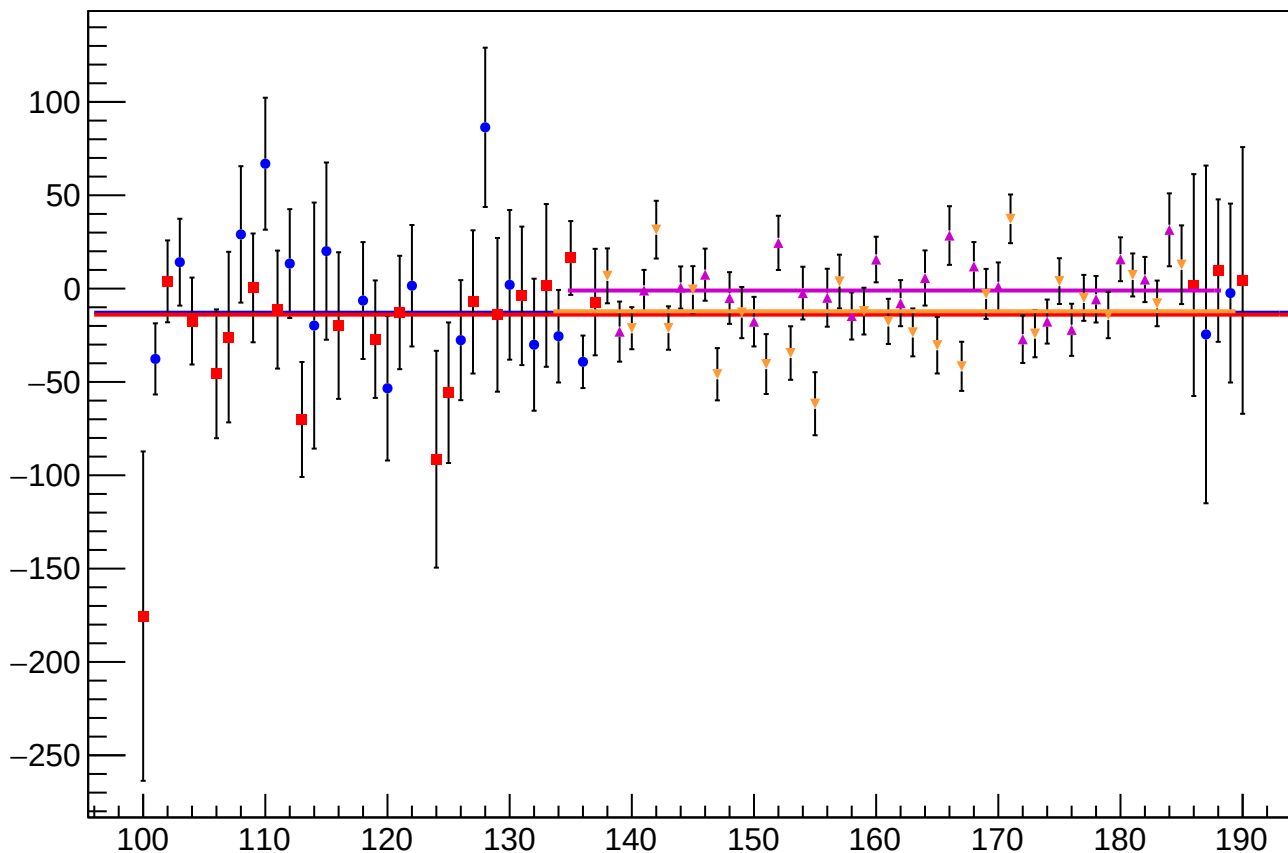
- sign 0.657 ± 0.402 χ^2/NDF : 48.9/44

diff_bpm4aediY_rms vs Slug



Right In: 1930.727 $\pm$ 0.506	χ^2 /NDF: 1298387.2/17	+ sign 2079.268 $\pm$ 0.290	χ^2 /NDF: 2776034.4/42
Left Out: 2151.757 $\pm$ 0.354	χ^2 /NDF: 1349537.9/24	All: 2055.877 $\pm$ 0.203	χ^2 /NDF: 6217100.3/87
Right Out: 1810.240 $\pm$ 0.448	χ^2 /NDF: 1851473.6/21	- sign 2033.394 $\pm$ 0.284	χ^2 /NDF: 3428299.2/44
Left In: 2183.482 $\pm$ 0.368	χ^2 /NDF: 1162266.2/22		

diff_bpmtargetsumX_mean vs Slug



Right In: -12.910 ± 6.932 χ^2/NDF : 21.9/17

Left Out: -12.135 ± 2.661 χ^2/NDF : 62.6/24

Right Out: -13.951 ± 7.102 χ^2/NDF : 14.9/21

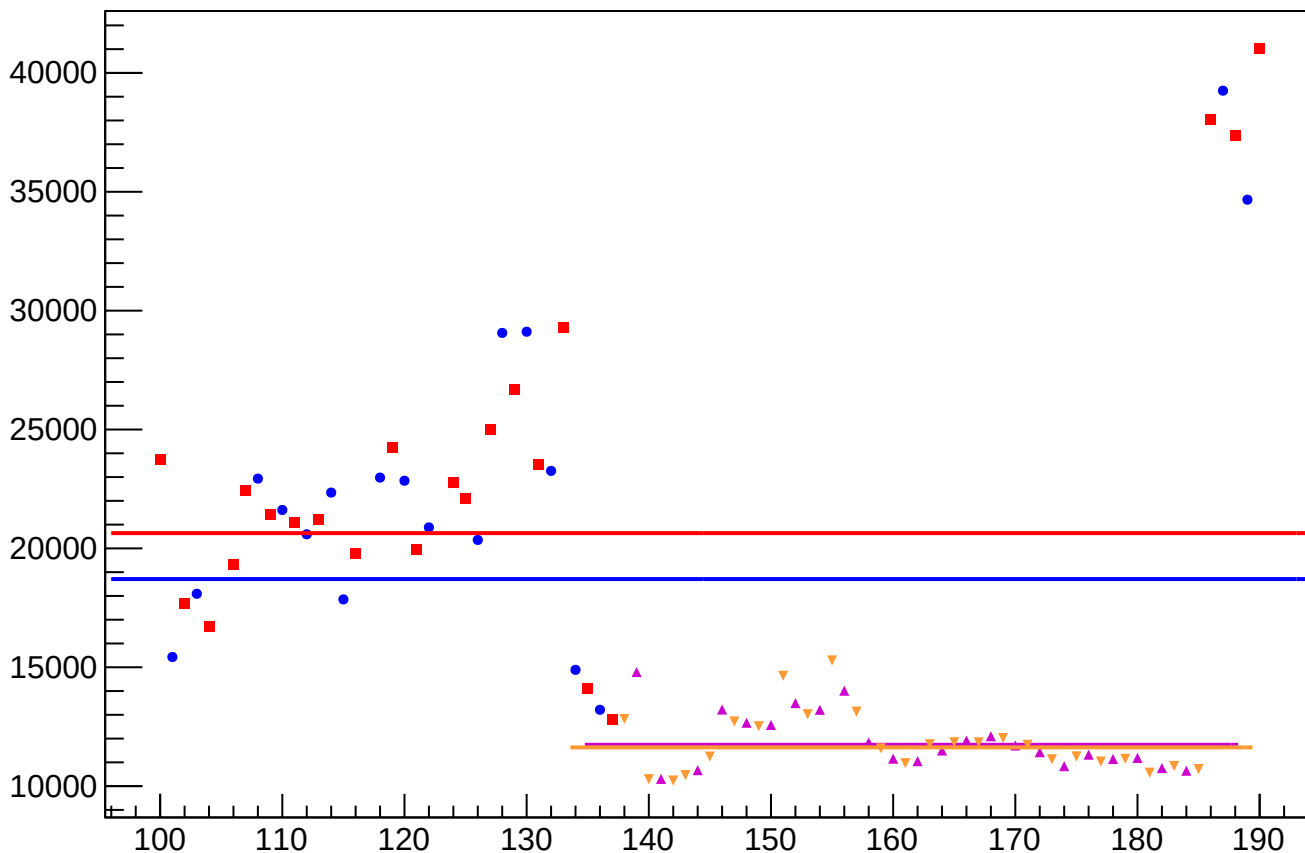
Left In: -1.024 ± 2.758 χ^2/NDF : 28.8/22

+ sign -12.234 ± 2.484 χ^2/NDF : 84.6/42

All: -7.638 ± 1.786 χ^2/NDF : 138.2/87

- sign -2.717 ± 2.571 χ^2/NDF : 46.6/44

diff_bpmtargetsumX_rms vs Slug



Right In: 18710.342 $\pm$ 4.901 χ^2 /NDF: 1153561.2/17

Left Out: 11630.201 $\pm$ 1.882 χ^2 /NDF: 356022.1/24

Right Out: 20642.245 $\pm$ 5.022 χ^2 /NDF: 1385041.1/21

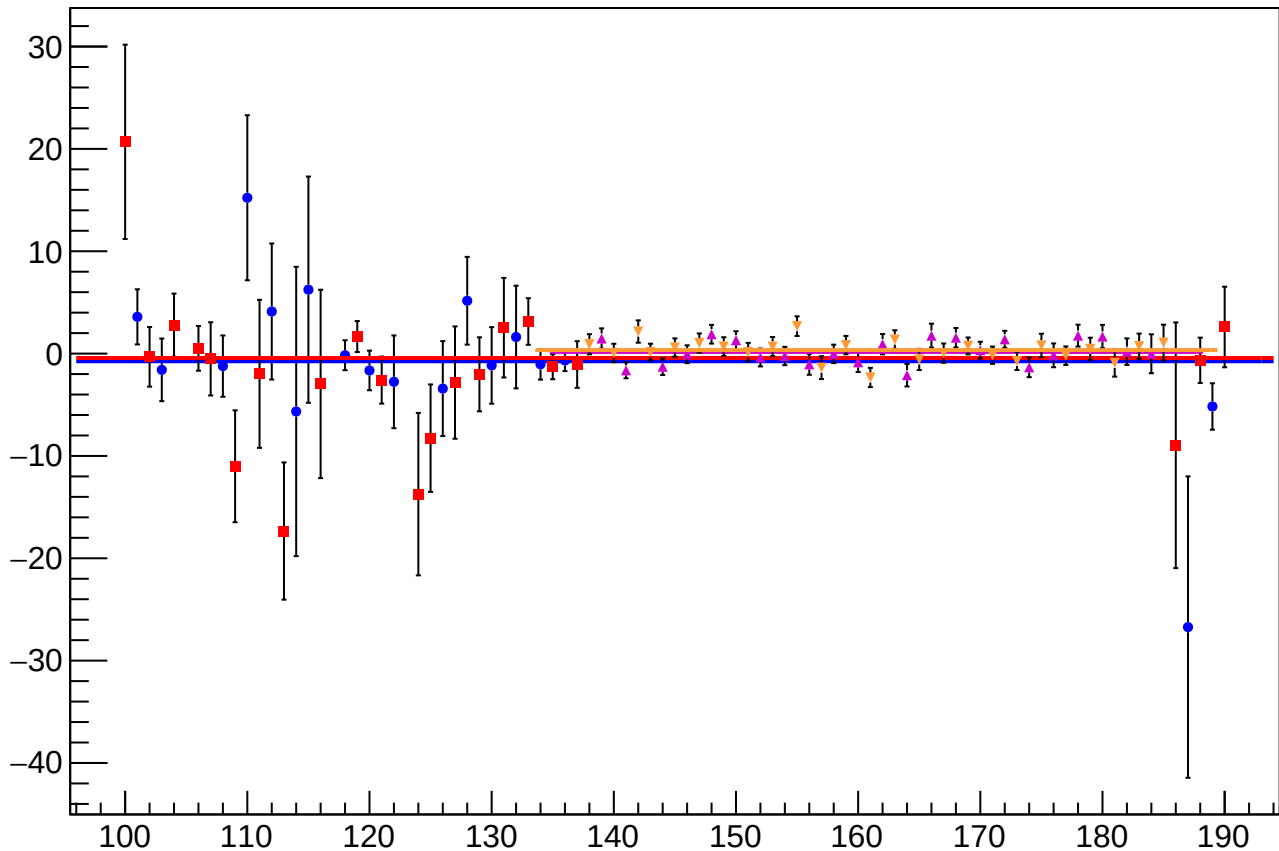
Left In: 11738.371 $\pm$ 1.950 χ^2 /NDF: 313542.0/22

+ sign 12539.662 $\pm$ 1.757 χ^2 /NDF: 3328182.9/42

All: 12716.007 $\pm$ 1.263 χ^2 /NDF: 7779271.0/8

- sign 12904.815 $\pm$ 1.818 χ^2 /NDF: 4430221.2/44

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.747 $\pm$ 0.580 χ^2/NDF : 17.7/17

Left Out: 0.343 $\pm$ 0.194 χ^2/NDF : 26.8/24

Right Out: -0.428 $\pm$ 0.601 χ^2/NDF : 29.2/21

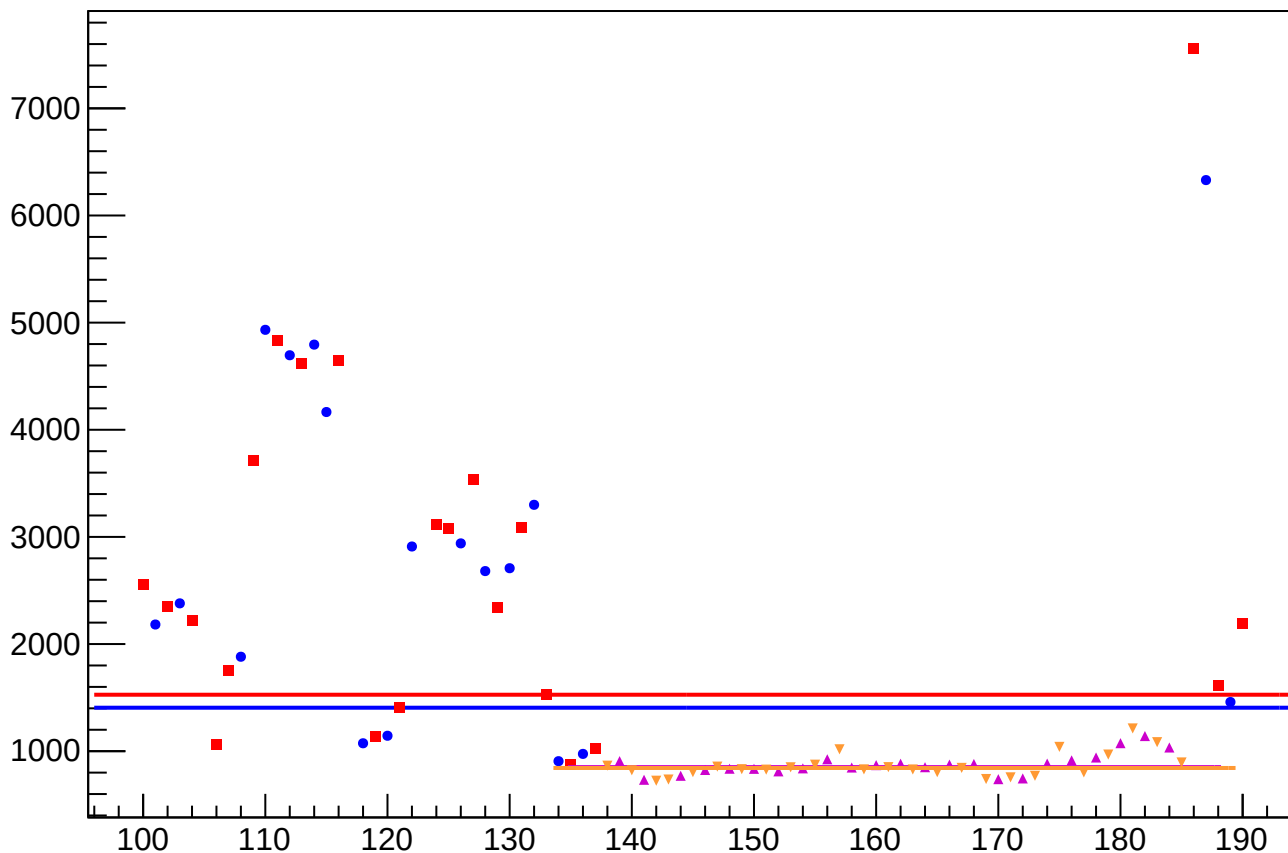
Left In: 0.165 $\pm$ 0.201 χ^2/NDF : 36.3/22

+ sign 0.233 $\pm$ 0.184 χ^2/NDF : 47.6/42

All: 0.172 $\pm$ 0.132 χ^2/NDF : 114.2/87

- sign 0.106 $\pm$ 0.191 χ^2/NDF : 66.4/44

diff_bpmtargetdiffX_rms vs Slug



Right In: 1405.812 $\pm$ 0.410 χ^2 /NDF: 3606645.6/17

Left Out: 843.266 $\pm$ 0.137 χ^2 /NDF: 505106.4/24

Right Out: 1527.002 $\pm$ 0.425 χ^2 /NDF: 3971505.2/21

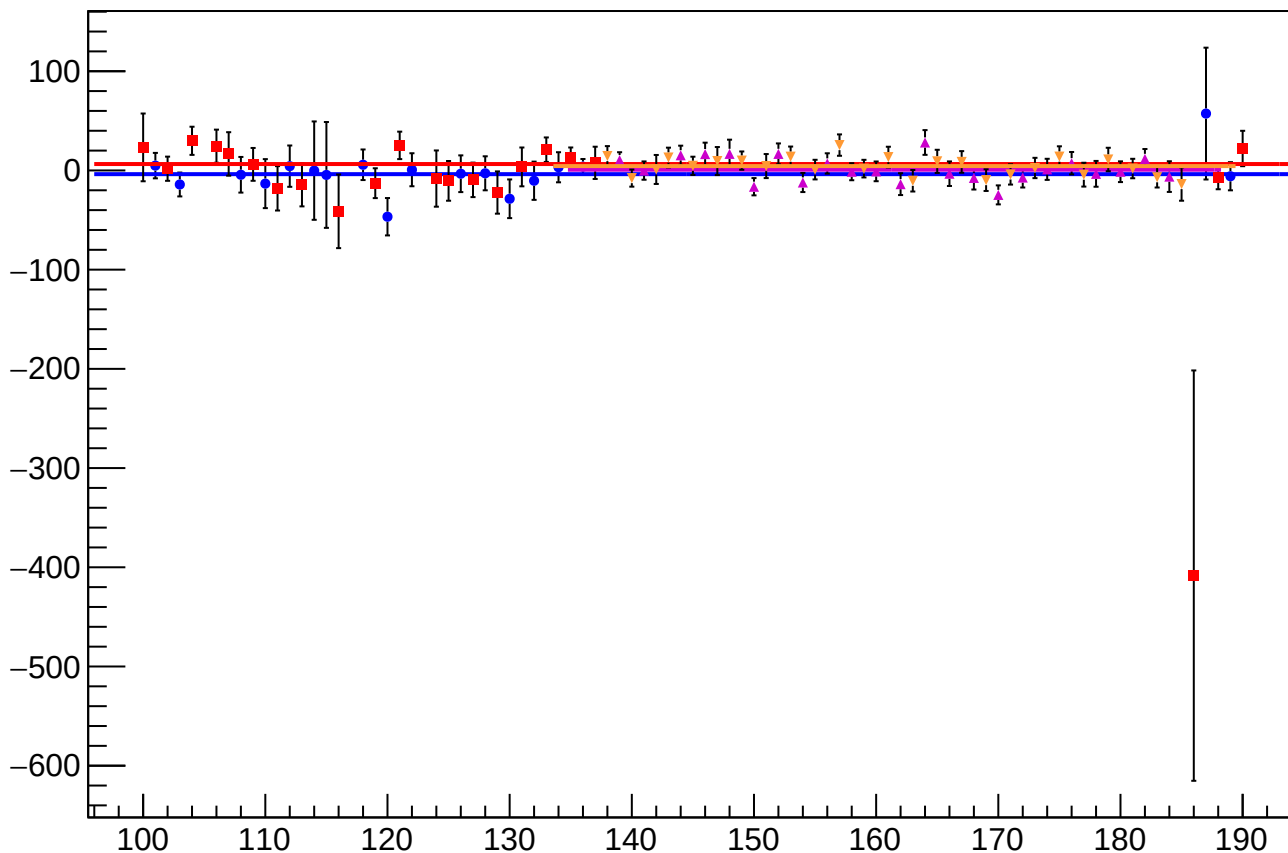
Left In: 851.618 $\pm$ 0.142 χ^2 /NDF: 382555.6/22

+ sign 899.797 $\pm$ 0.130 χ^2 /NDF: 5805914.6/42

All: 909.235 $\pm$ 0.094 χ^2 /NDF: 12439457.1/87

- sign 919.380 $\pm$ 0.135 χ^2 /NDF: 6622596.2/44

diff_bpmtargetsumY_mean vs Slug



Right In: -3.742 ± 3.793 χ^2/NDF : 10.9/17

Left Out: 4.383 ± 2.122 χ^2/NDF : 18.6/24

Right Out: 6.455 ± 3.553 χ^2/NDF : 23.4/21

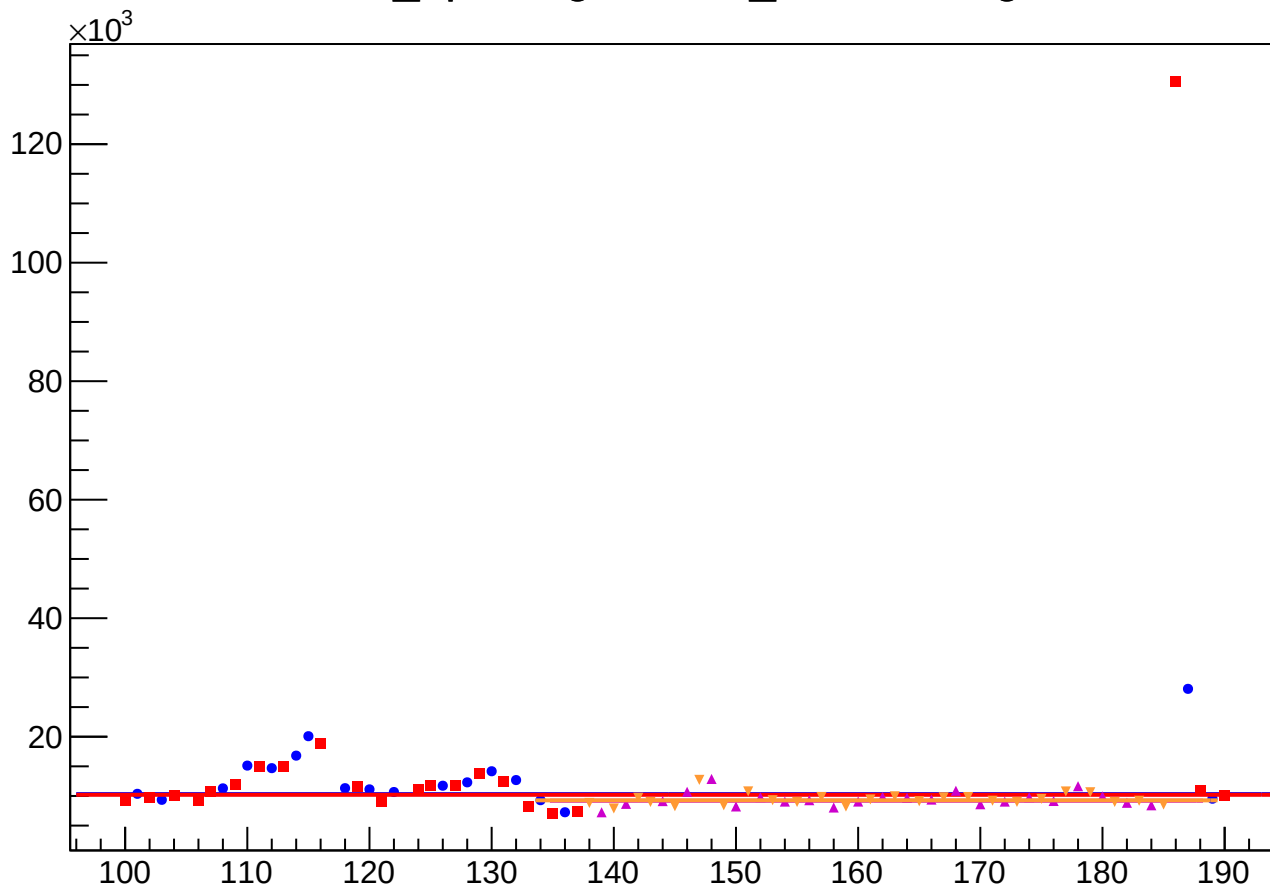
Left In: 0.734 ± 2.171 χ^2/NDF : 32.0/22

+ sign 2.447 ± 1.852 χ^2/NDF : 33.0/42

All: 2.368 ± 1.310 χ^2/NDF : 90.3/87

- sign 2.289 ± 1.852 χ^2/NDF : 57.3/44

diff_bpmtargetsumY_rms vs Slug



Right In: 10312.701 ± 2.682 χ^2/NDF : 919505.4/17

Left Out: 9261.542 ± 1.500 χ^2/NDF : 366072.4/24

Right Out: 10202.381 ± 2.512 χ^2/NDF : 1480213.9/21

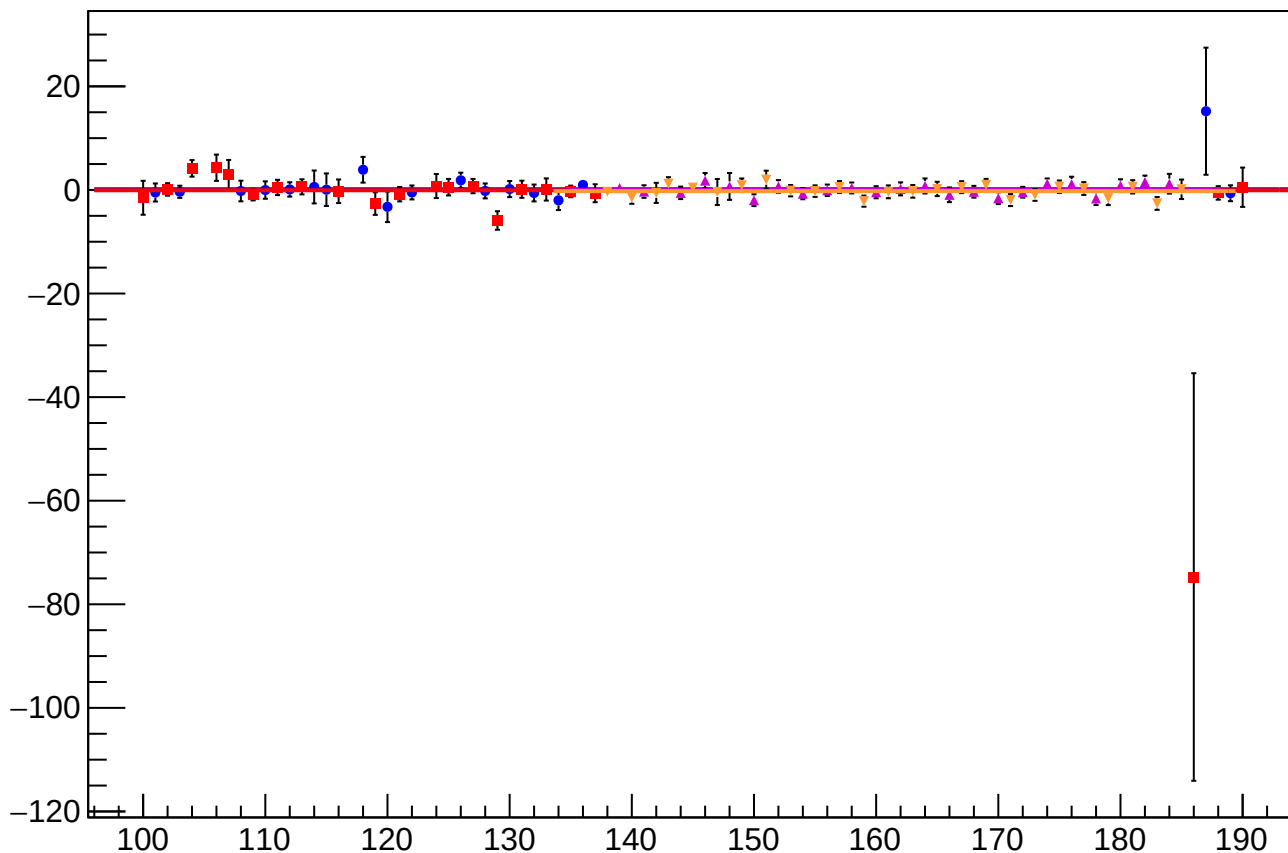
Left In: 9199.542 ± 1.535 χ^2/NDF : 515496.8/22

+ sign 9512.049 ± 1.309 χ^2/NDF : 1402575.0/42

All: 9492.092 ± 0.926 χ^2/NDF : 3514787.1/87

- sign 9472.122 ± 1.310 χ^2/NDF : 2111747.4/44

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.132 ± 0.374 $\chi^2/\text{NDF}: 9.9/17$

Left Out: -0.229 ± 0.243 $\chi^2/\text{NDF}: 19.0/24$

Right Out: -0.060 ± 0.356 $\chi^2/\text{NDF}: 29.0/21$

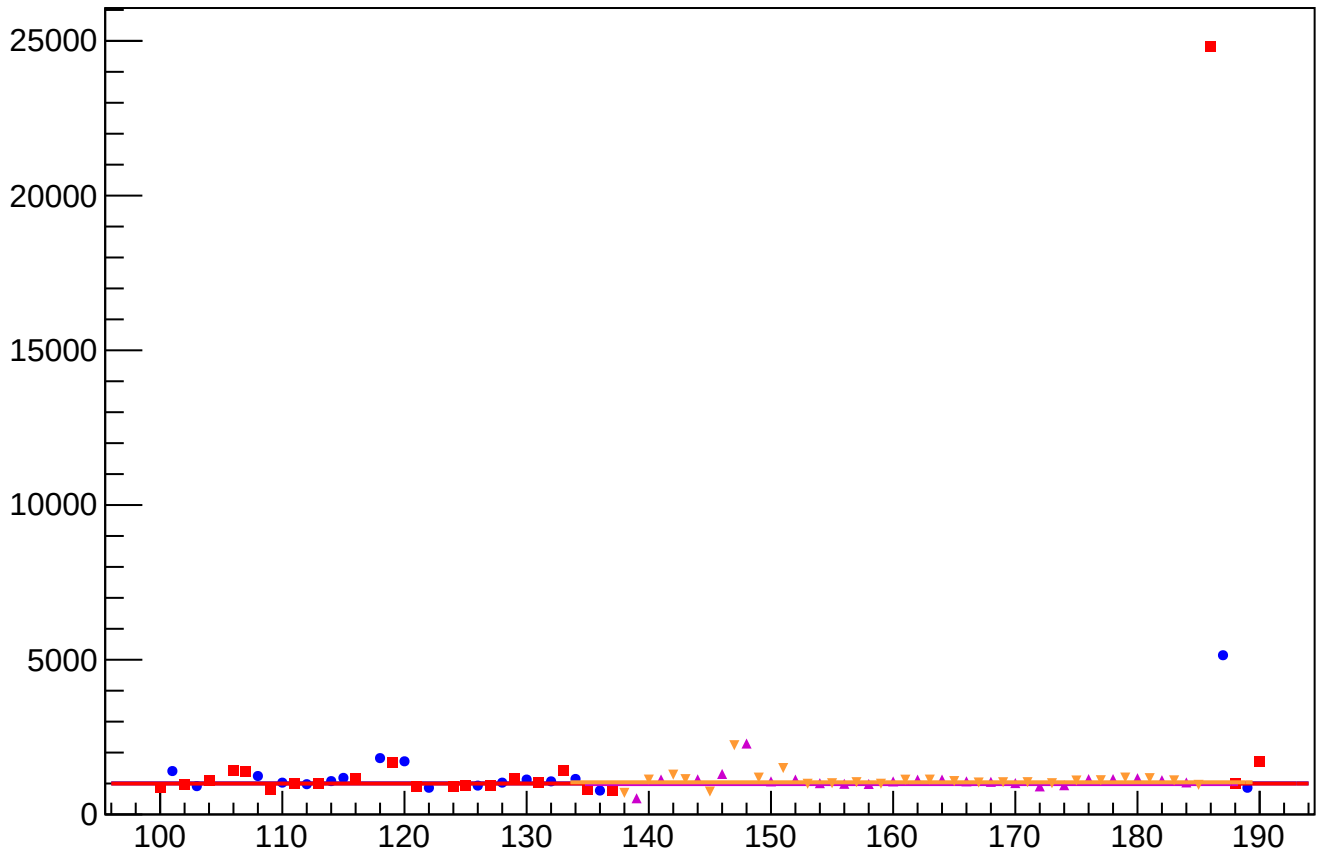
Left In: 0.025 ± 0.239 $\chi^2/\text{NDF}: 15.2/22$

+ sign -0.122 ± 0.204 $\chi^2/\text{NDF}: 29.5/42$

All: -0.060 ± 0.142 $\chi^2/\text{NDF}: 73.9/87$

- sign -0.002 ± 0.199 $\chi^2/\text{NDF}: 44.2/44$

diff_bpmtargetdiffY_rms vs Slug



Right In: 1004.345 $\pm$ 0.265 χ^2 /NDF: 944525.1/17

Left Out: 1039.424 $\pm$ 0.172 χ^2 /NDF: 1339748.9/24

Right Out: 998.731 $\pm$ 0.252 χ^2 /NDF: 1383490.6/21

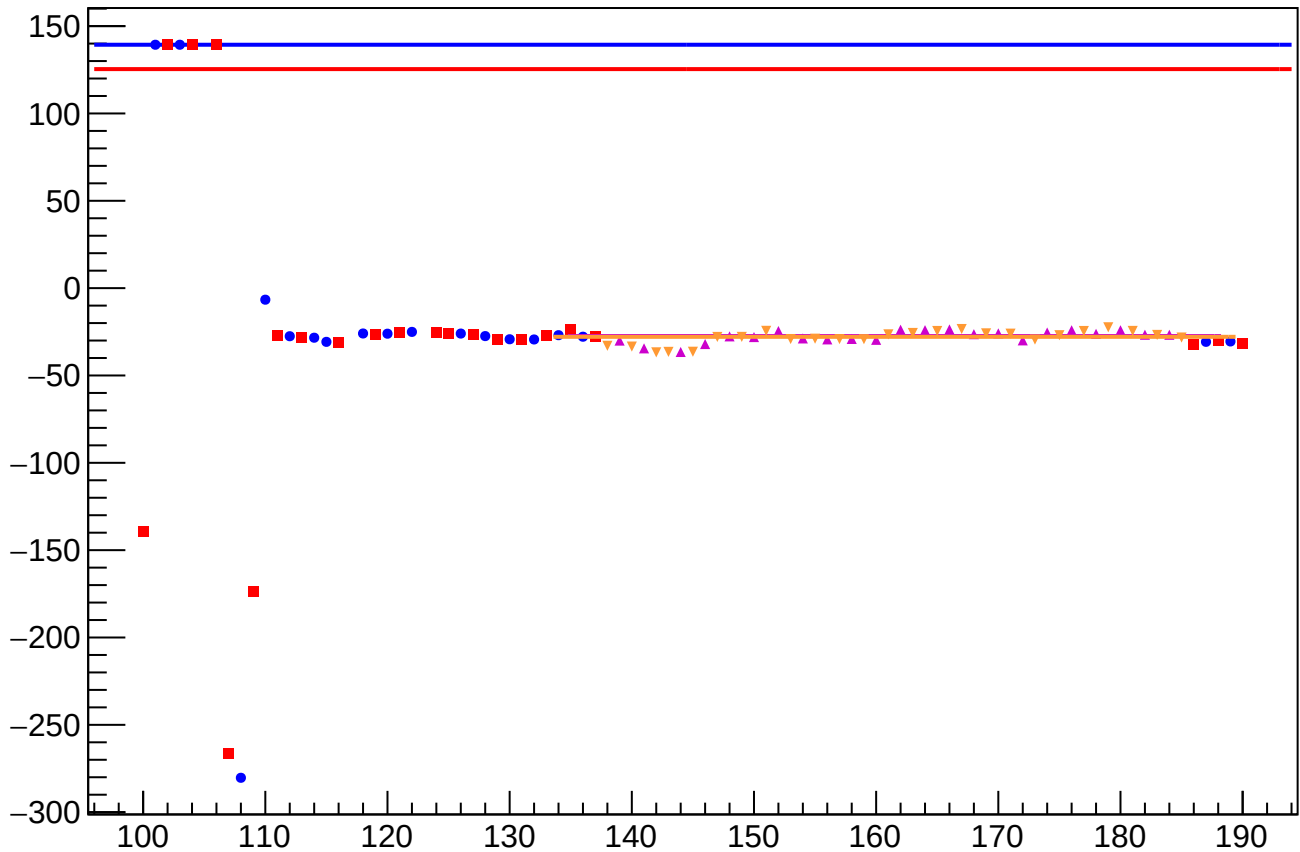
Left In: 981.677 $\pm$ 0.169 χ^2 /NDF: 2225094.5/22

+ sign 1029.004 $\pm$ 0.144 χ^2 /NDF: 2296613.3/42

All: 1007.411 $\pm$ 0.101 χ^2 /NDF: 5951941.4/87

- sign 986.970 $\pm$ 0.140 χ^2 /NDF: 3611742.7/44

yield_cav4bX_mean vs Slug



Right In: 139.337 $\pm$ 0.000 χ^2 /NDF: 48497369571.5/17

Left Out: -27.865 $\pm$ 0.000 χ^2 /NDF: 181586557.6/24

Right Out: 125.392 $\pm$ 0.000 χ^2 /NDF: 774176219041458.2/21

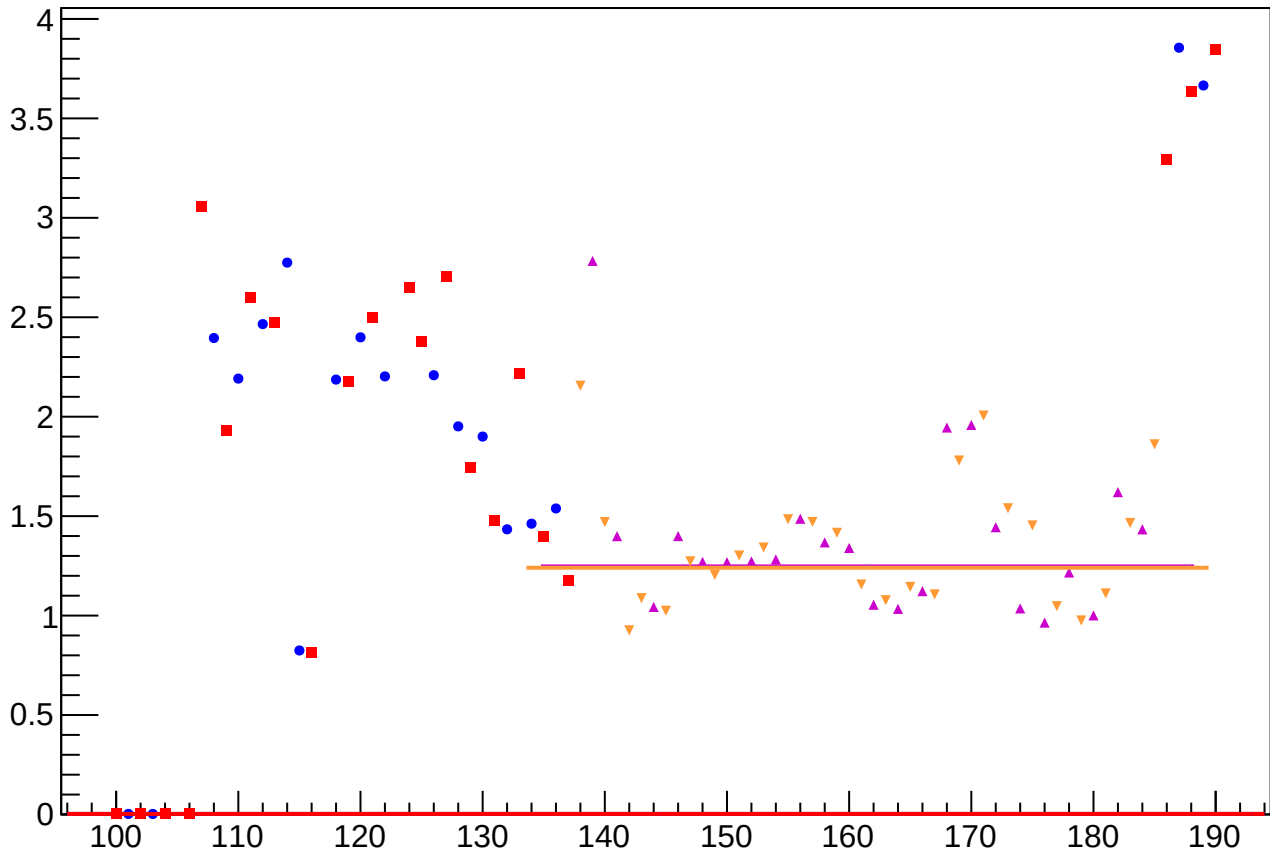
Left In: -27.427 $\pm$ 0.000 χ^2 /NDF: 123181562.3/22

+ sign 139.328 $\pm$ 0.000 χ^2 /NDF: 323041058167.1/4

All: 131.810 $\pm$ 0.000 χ^2 /NDF: 793492059898

- sign 125.385 $\pm$ 0.000 χ^2 /NDF: 774389872438998

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 10908166.2/17

Left Out: 1.241+/-0.000 χ^2/NDF : 1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 12973417.4/21

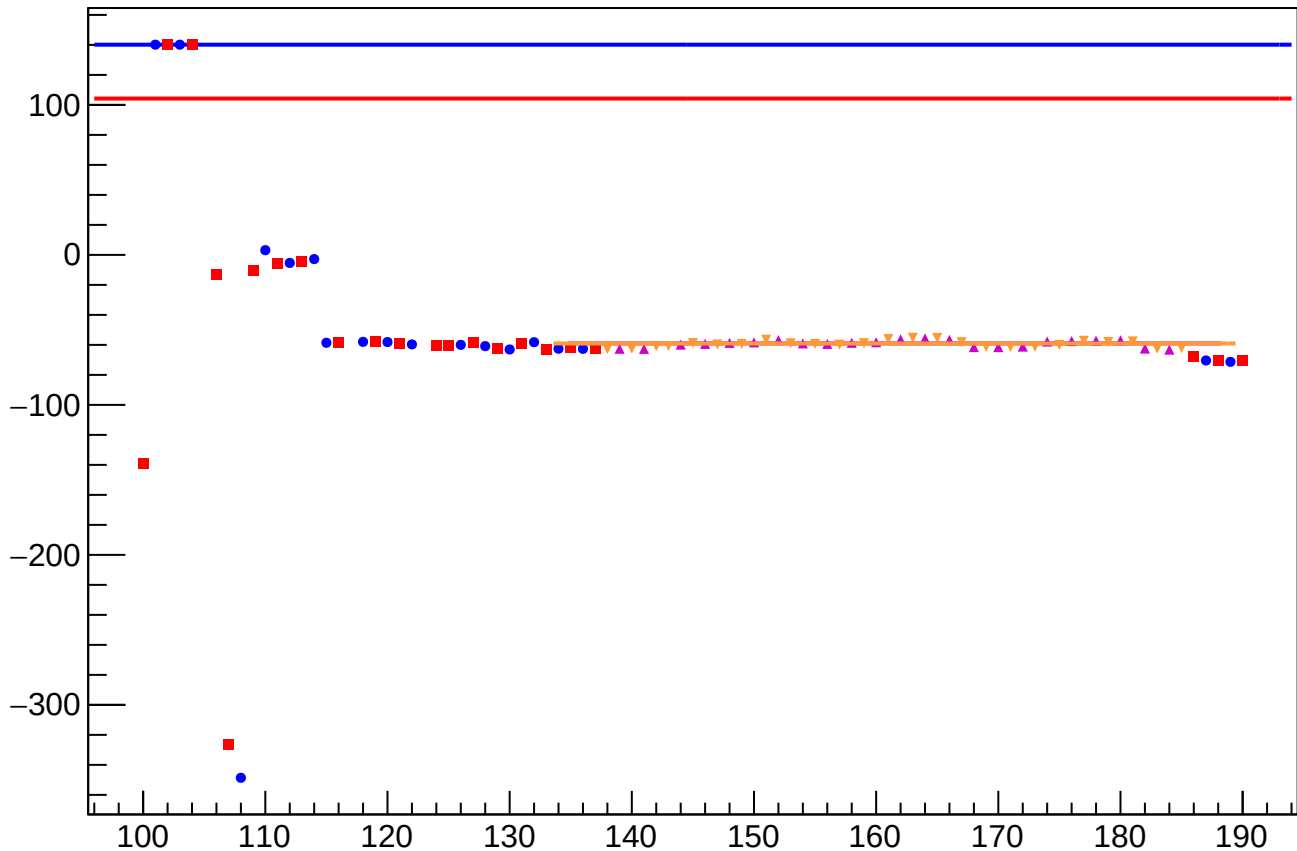
Left In: 1.247+/-0.000 χ^2/NDF : 1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF : 42206772.6/42

All: 0.003+/-0.000 χ^2/NDF : 84947829.7/87

- sign 0.003+/-0.000 χ^2/NDF : 42740696.7/44

yield_cav4bY_mean vs Slug



Right In: 140.143 $\pm$ 0.000 χ^2 /NDF: 195703416654.5/17

Left Out: -59.066 $\pm$ 0.000 χ^2 /NDF: 177511074.0/24

Right Out: 104.224 $\pm$ 0.000 χ^2 /NDF: 1257414002096803.0/21

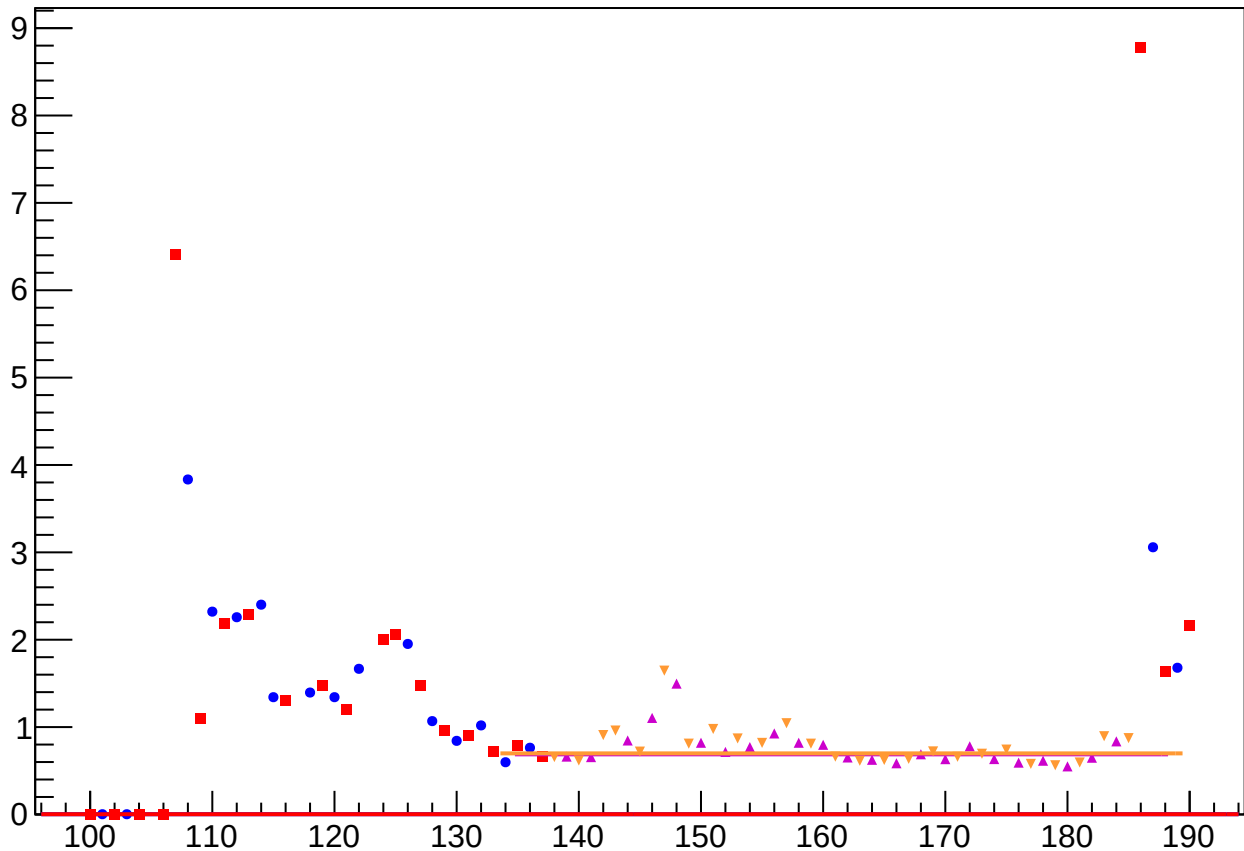
Left In: -59.020 $\pm$ 0.000 χ^2 /NDF: 179236820.4/22

+ sign 140.107 $\pm$ 0.000 χ^2 /NDF: 1492891823595.7

All: 120.801 $\pm$ 0.000 χ^2 /NDF: 138301522504

- sign 104.199 $\pm$ 0.000 χ^2 /NDF: 125827106356782

yield_cav4bY_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 11869631.2/17

Left Out: 0.699 $\pm$ 0.000 χ^2 /NDF:1357196.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 13405602.6/21

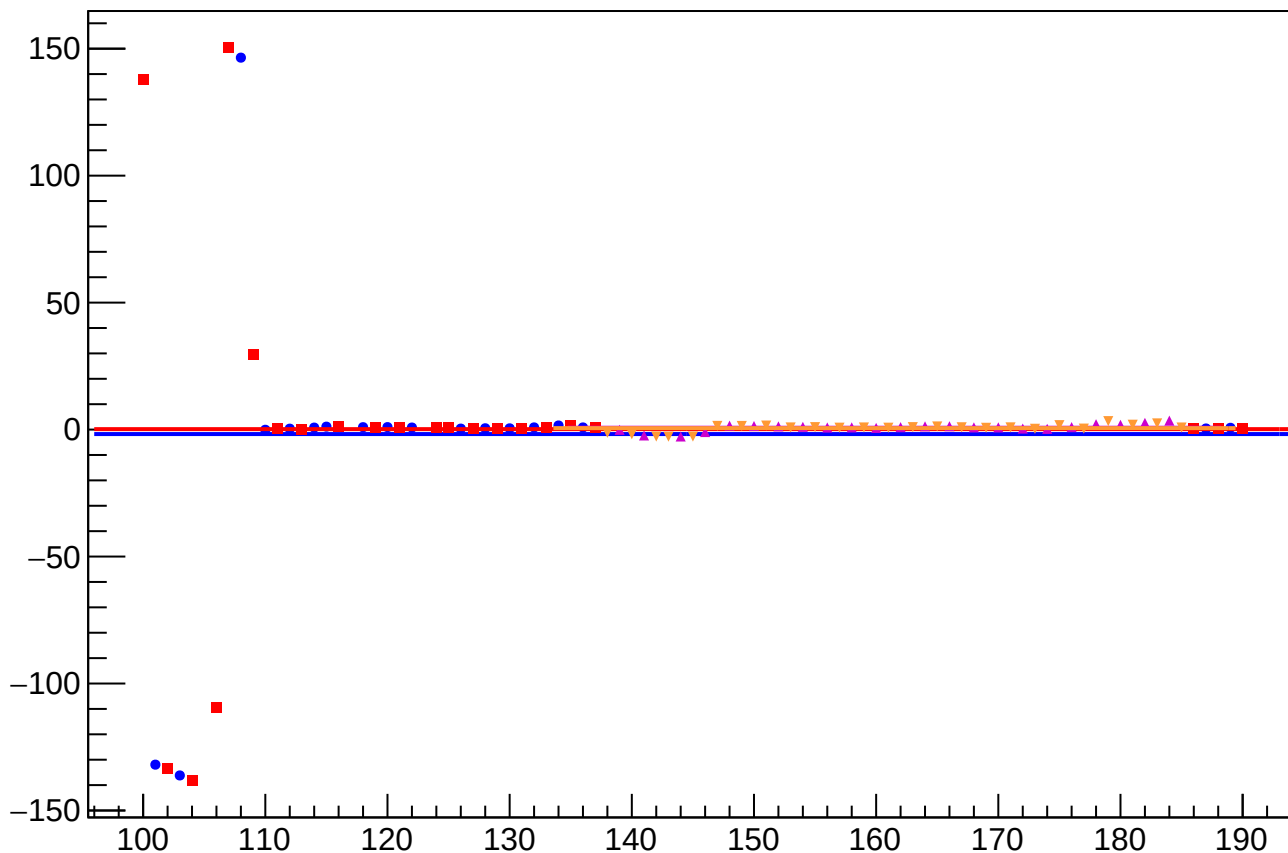
Left In: 0.688 $\pm$ 0.000 χ^2 /NDF:1107767.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 44923832.8/42

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 89640224.7/87

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 44715860.3/44

yield_cav4cX_mean vs Slug



Right In: -1.763 ± 0.000 χ^2/NDF : 9889360057.5/17

Left Out: 0.575 ± 0.000 χ^2/NDF : 154364809.1/24

Right Out: 0.178 ± 0.000 χ^2/NDF : 3611282388.8/21

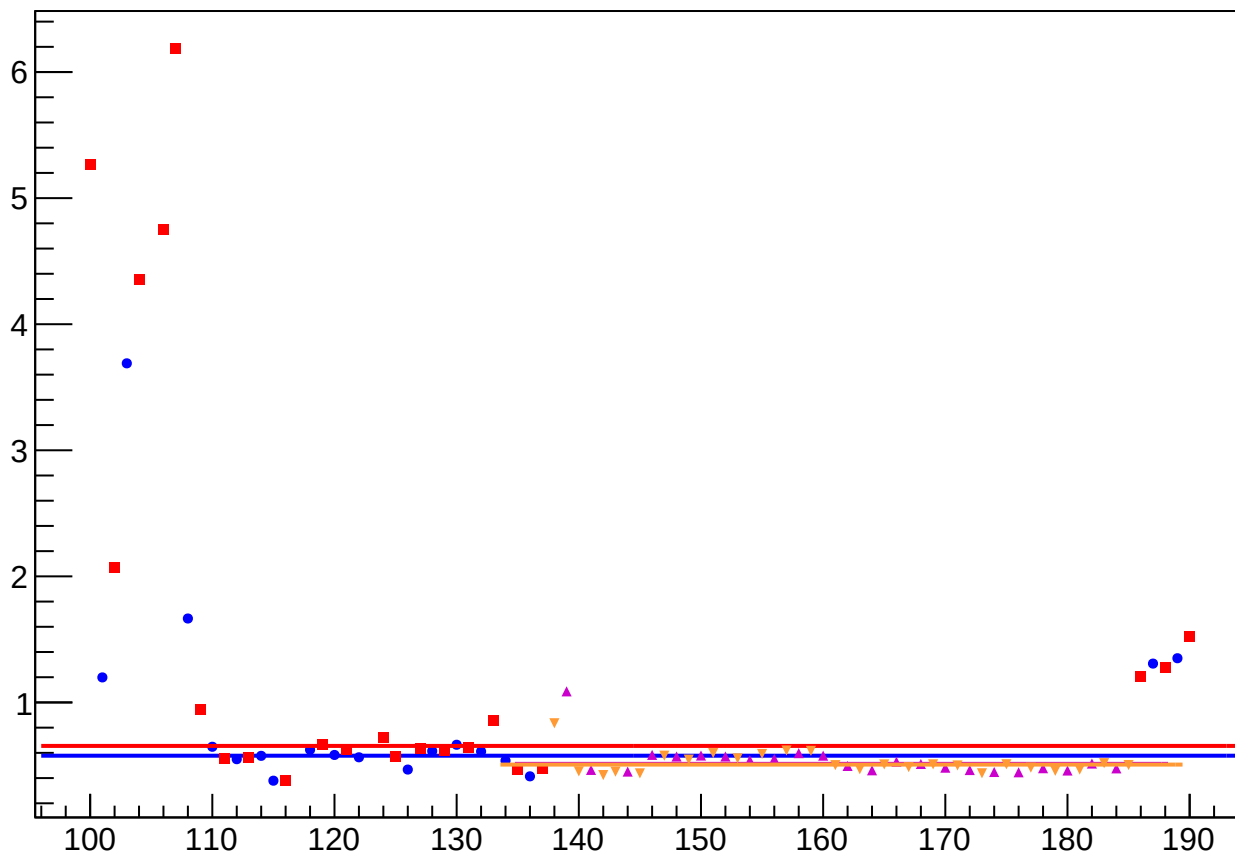
Left In: 0.732 ± 0.000 χ^2/NDF : 105135095.8/22

+ sign 0.076 ± 0.000 χ^2/NDF : 10114659423.1/42

All: 0.335 ± 0.000 χ^2/NDF : 13845455268.0/8

- sign 0.619 ± 0.000 χ^2/NDF : 3719926139.2/44

yield_cav4cX_rms vs Slug



Right In: 0.577 ± 0.000 χ^2/NDF : 2042090.3/17

Left Out: 0.507 ± 0.000 χ^2/NDF : 554639.8/24

Right Out: 0.655 ± 0.000 χ^2/NDF : 3334850.0/21

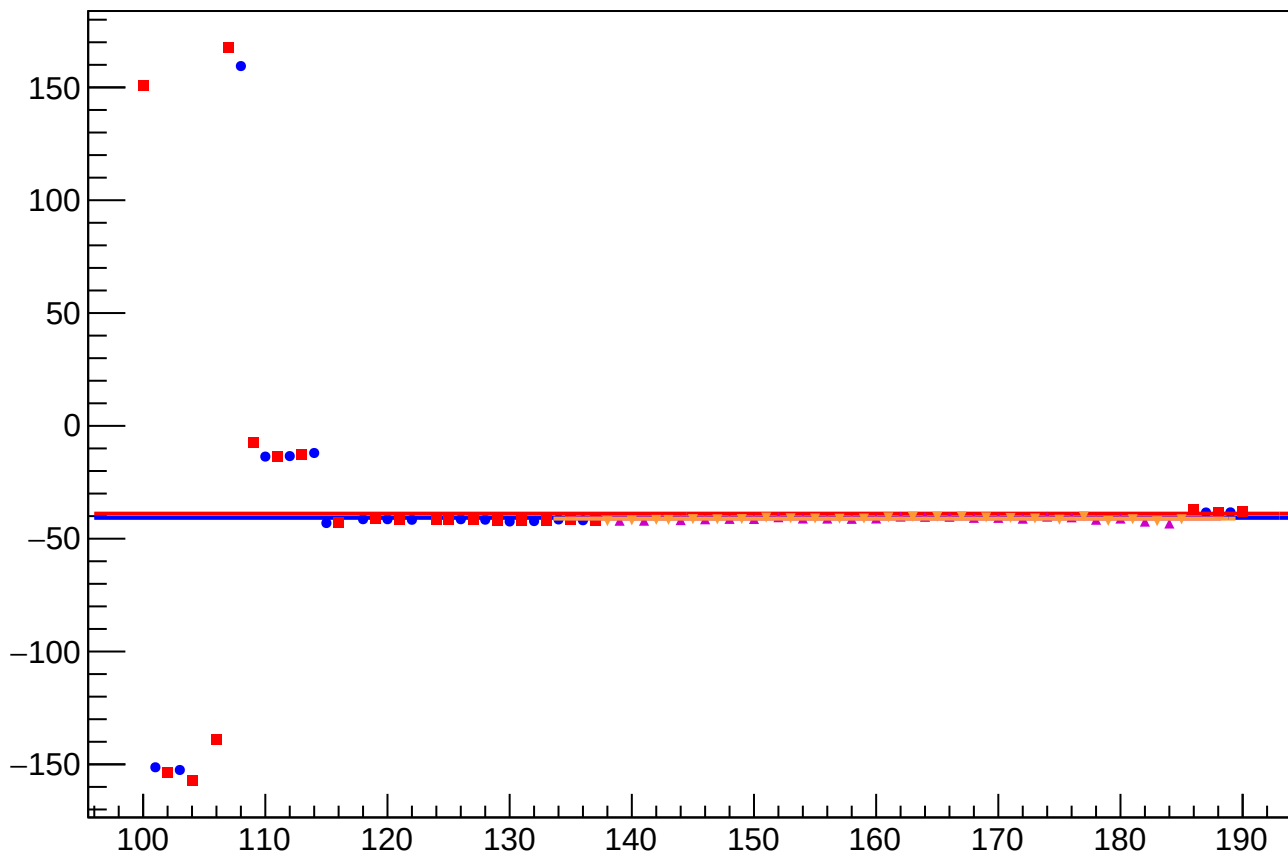
Left In: 0.513 ± 0.000 χ^2/NDF : 753419.6/22

+ sign 0.522 ± 0.000 χ^2/NDF : 2725509.7/42

All: 0.531 ± 0.000 χ^2/NDF : 7305189.2/87

- sign 0.542 ± 0.000 χ^2/NDF : 4550898.8/44

yield_cav4cY_mean vs Slug



Right In: -40.752+/-0.000 χ^2/NDF : 3461133542.2/17

Left Out: -41.092+/-0.000 χ^2/NDF : 60251030.2/24

Right Out: -38.899+/-0.000 χ^2/NDF : 2483836067.8/21

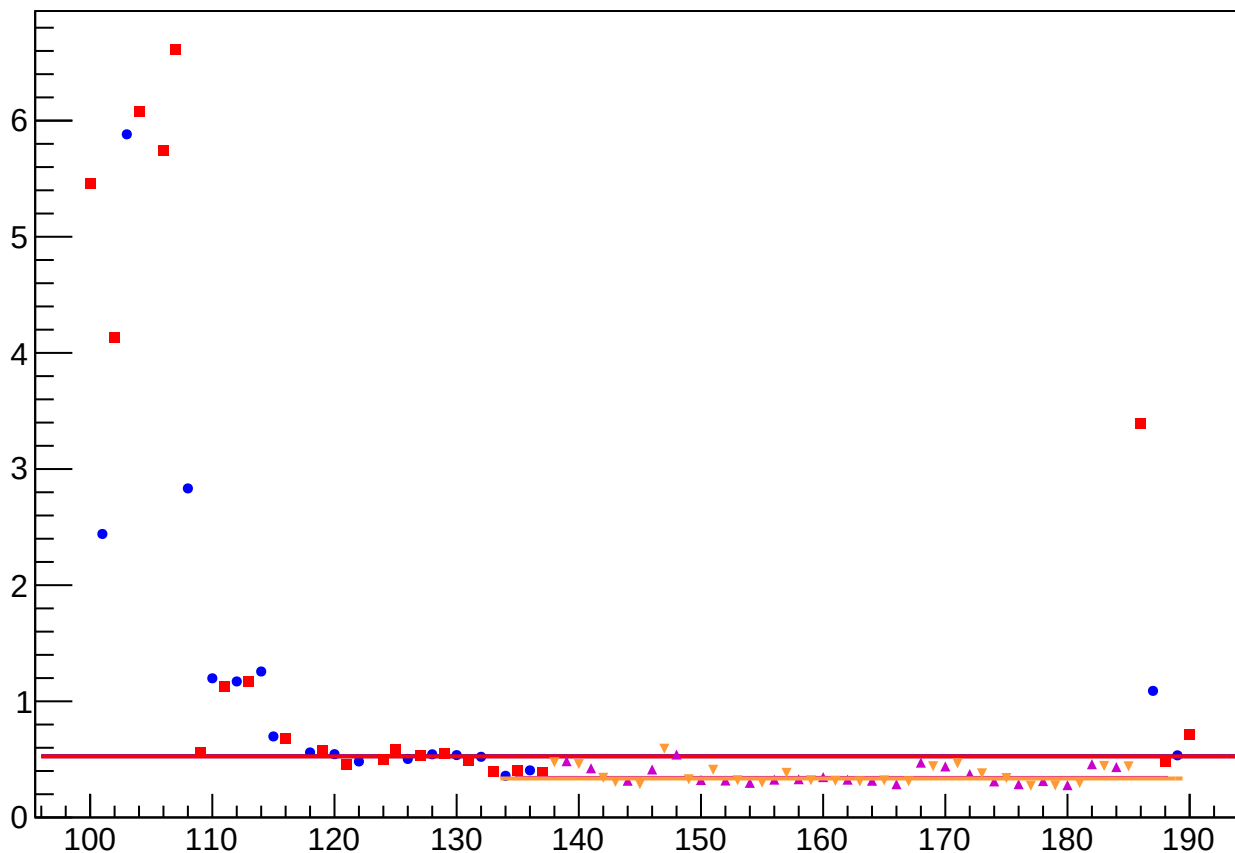
Left In: -41.029+/-0.000 χ^2/NDF : 51382147.2/22

+ sign -41.054+/-0.000 χ^2/NDF : 3523464617.1/42

All: -40.903+/-0.000 χ^2/NDF : 6155163064.5/43

- sign -40.744+/-0.000 χ^2/NDF : 2623434231.5/44

yield_cav4cY_rms vs Slug



Right In: 0.527 ± 0.000 χ^2/NDF : 3046390.9/17

Left Out: 0.336 ± 0.000 χ^2/NDF : 1238006.0/24

Right Out: 0.526 ± 0.000 χ^2/NDF : 3872069.1/21

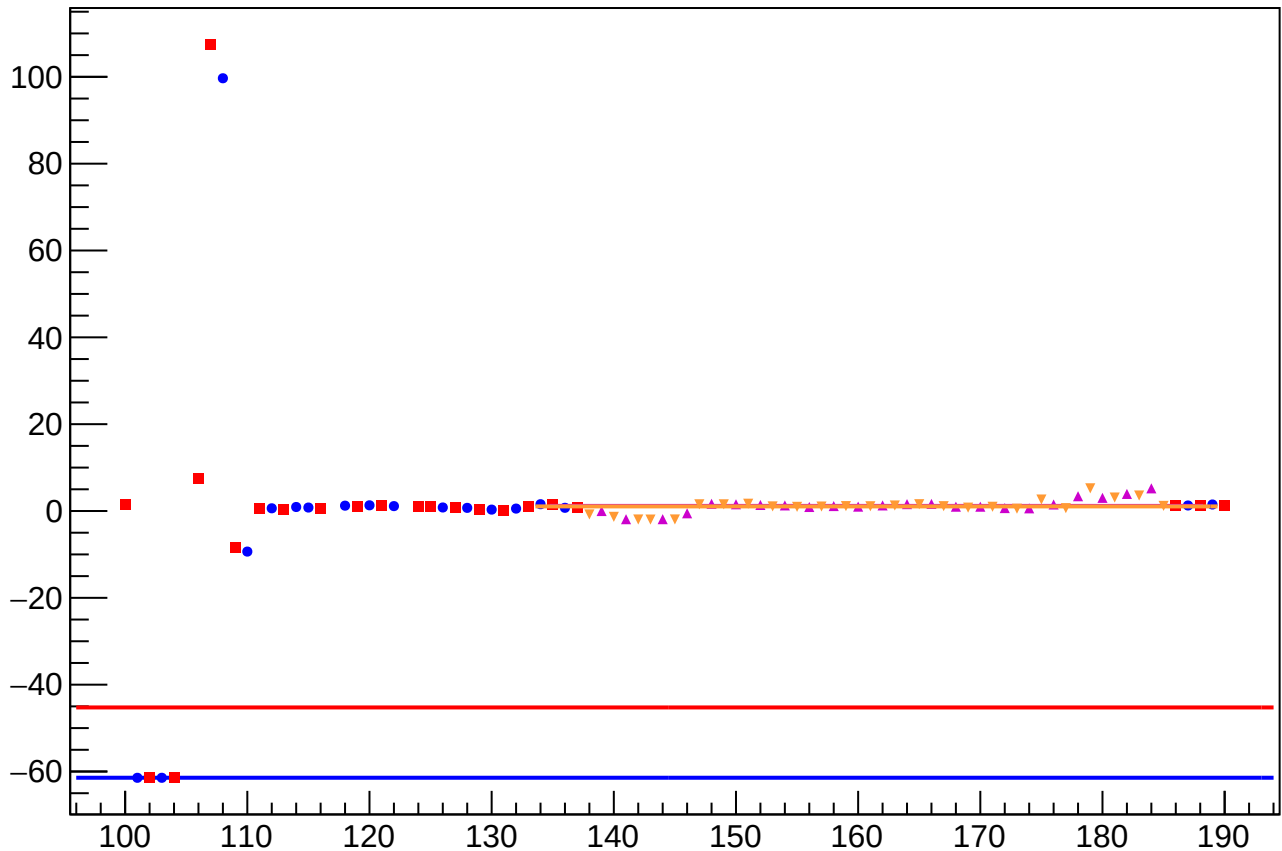
Left In: 0.340 ± 0.000 χ^2/NDF : 1065343.8/22

+ sign 0.357 ± 0.000 χ^2/NDF : 5602512.8/42

All: 0.361 ± 0.000 χ^2/NDF : 11887091.5/87

- sign 0.365 ± 0.000 χ^2/NDF : 6274600.3/44

yield_cav4dX_mean vs Slug



Right In: -61.436 ± 0.000 χ^2/NDF : 275400613265.7/17

Left Out: 1.059 ± 0.000 χ^2/NDF : 253133917.4/24

Right Out: -45.245 ± 0.000 χ^2/NDF : 357873004139417.1/21

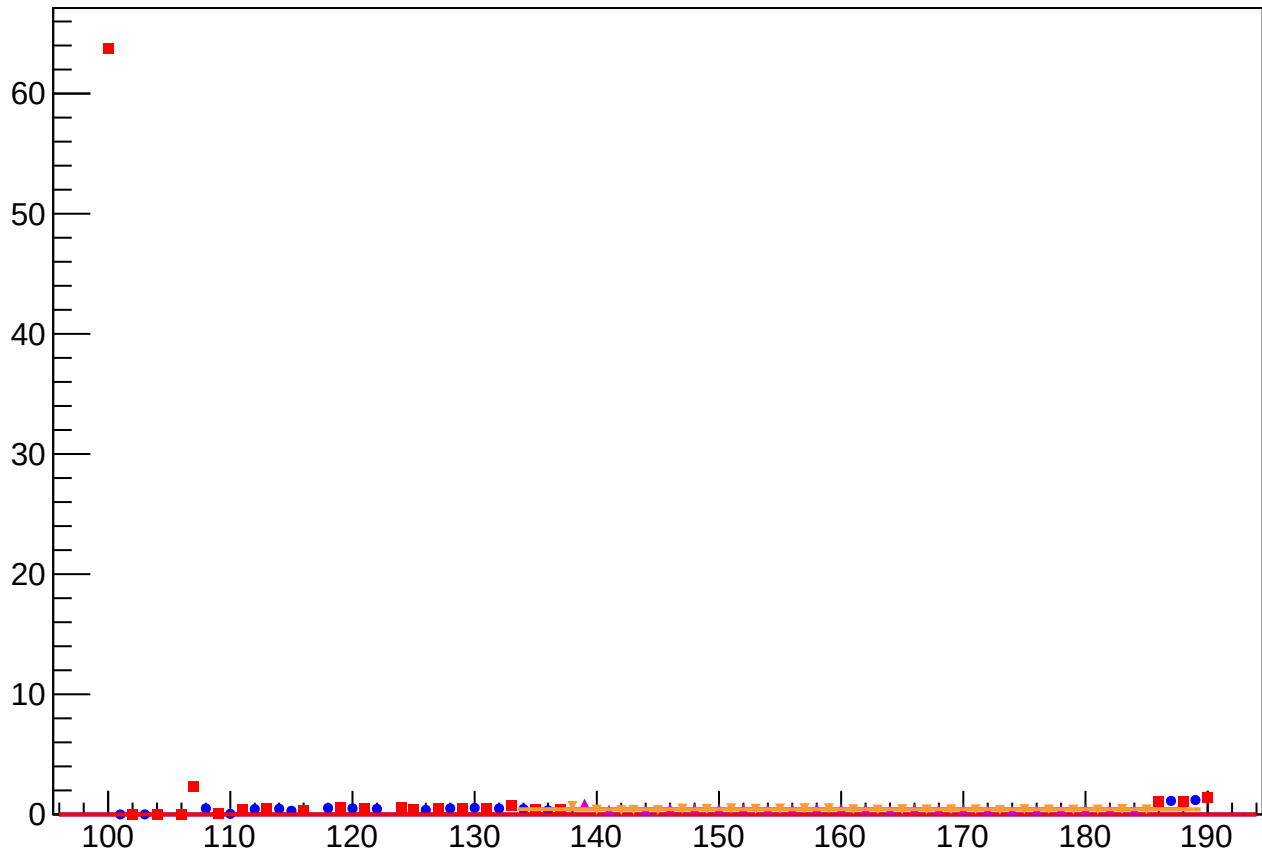
Left In: 1.175 ± 0.000 χ^2/NDF : 182397676.2/22

+ sign -61.421 ± 0.000 χ^2/NDF : 605408381733.6/4

All: -52.738 ± 0.000 χ^2/NDF : 409596357561

- sign -45.236 ± 0.000 χ^2/NDF : 358039570076617.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 10495315.7/17

Left Out: 0.432+/-0.000 χ^2/NDF : 527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF : 12577068.8/21

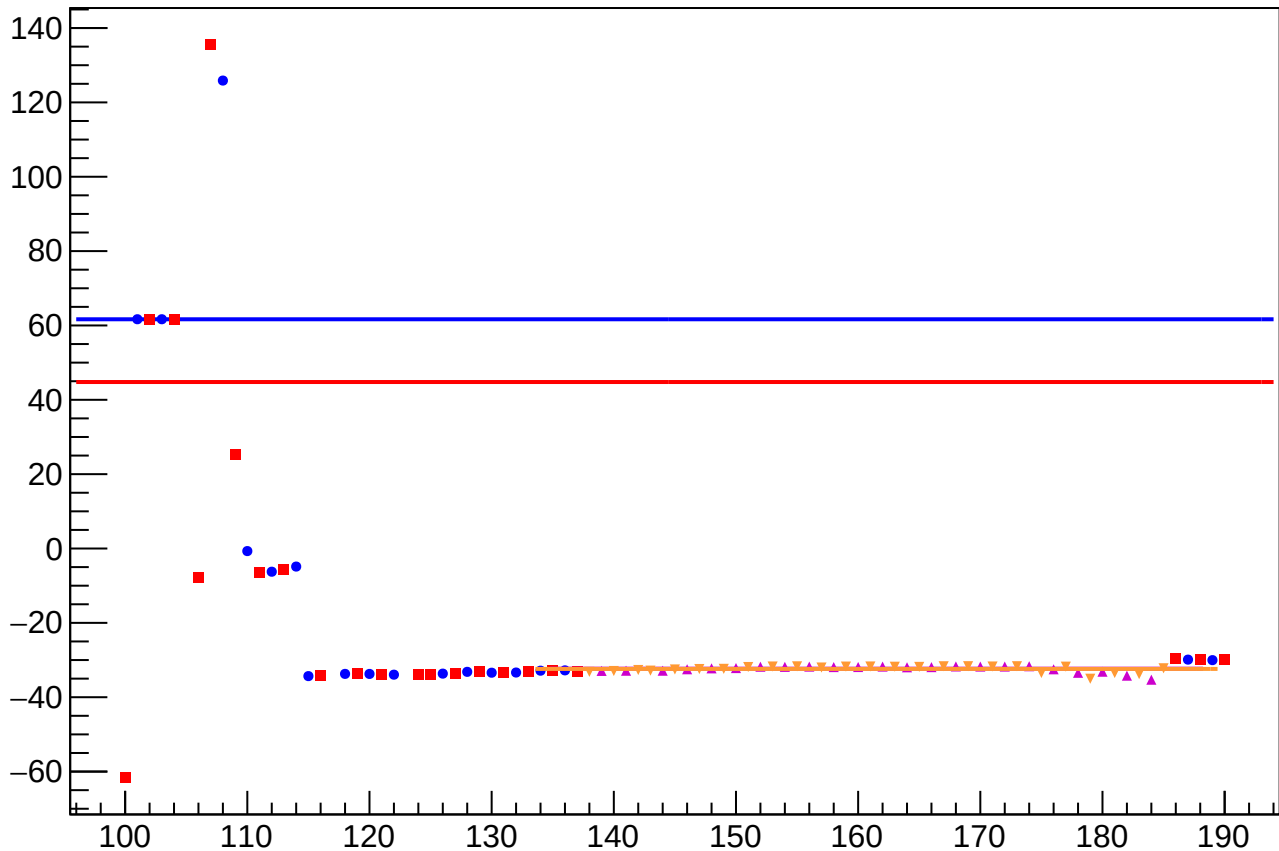
Left In: 0.438+/-0.000 χ^2/NDF : 698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 42260847.7/42

All: 0.002+/-0.000 χ^2/NDF : 84980964.3/87

- sign 0.002+/-0.000 χ^2/NDF : 42719954.2/44

yield_cav4dY_mean vs Slug



Right In: 61.661+/-0.000 χ^2/NDF : 391705768908.0/17

Left Out: -32.386+/-0.000 χ^2/NDF : 172024234.9/24

Right Out: 44.784+/-0.000 χ^2/NDF : 366133229444841.0/21

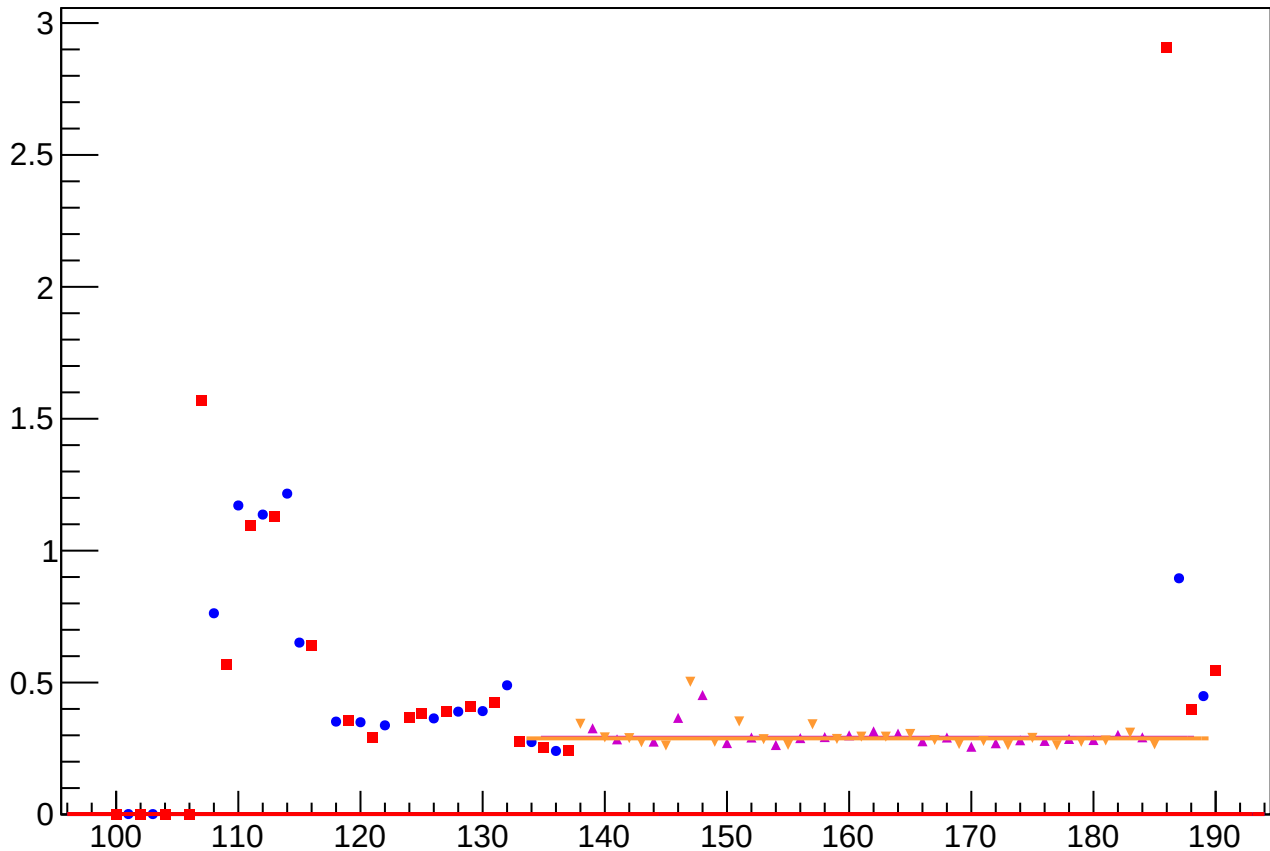
Left In: -32.325+/-0.000 χ^2/NDF : 118654391.5/22

+ sign 61.600+/-0.000 χ^2/NDF : 2349809058205.5/4

All: 52.637+/-0.000 χ^2/NDF : 420727840374

- sign 44.743+/-0.000 χ^2/NDF : 367361002974191.0

yield_cav4dY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 12349552.9/17

Left Out: 0.288 $\pm$ 0.000 χ^2 /NDF:522979.2/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 13764942.6/21

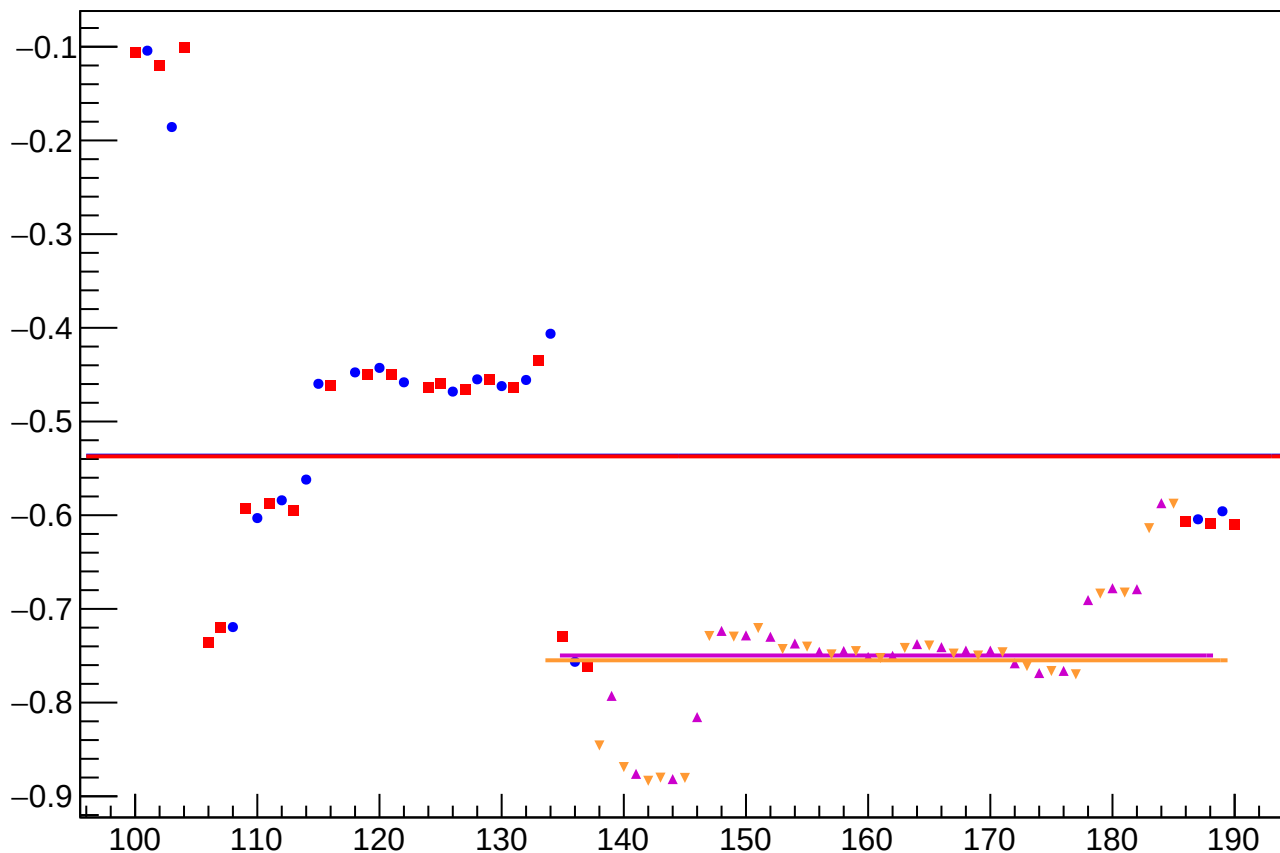
Left In: 0.291 $\pm$ 0.000 χ^2 /NDF:387524.5/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 49311944.1/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 97983432.2/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 48671455.9/44

yield_bpm4aX_mean vs Slug



Right In: -0.536+/-0.000 χ^2 /NDF: 301891736.8/17

Left Out: -0.755+/-0.000 χ^2 /NDF: 212643091.8/24

Right Out: -0.537+/-0.000 χ^2 /NDF: 217818170.3/21

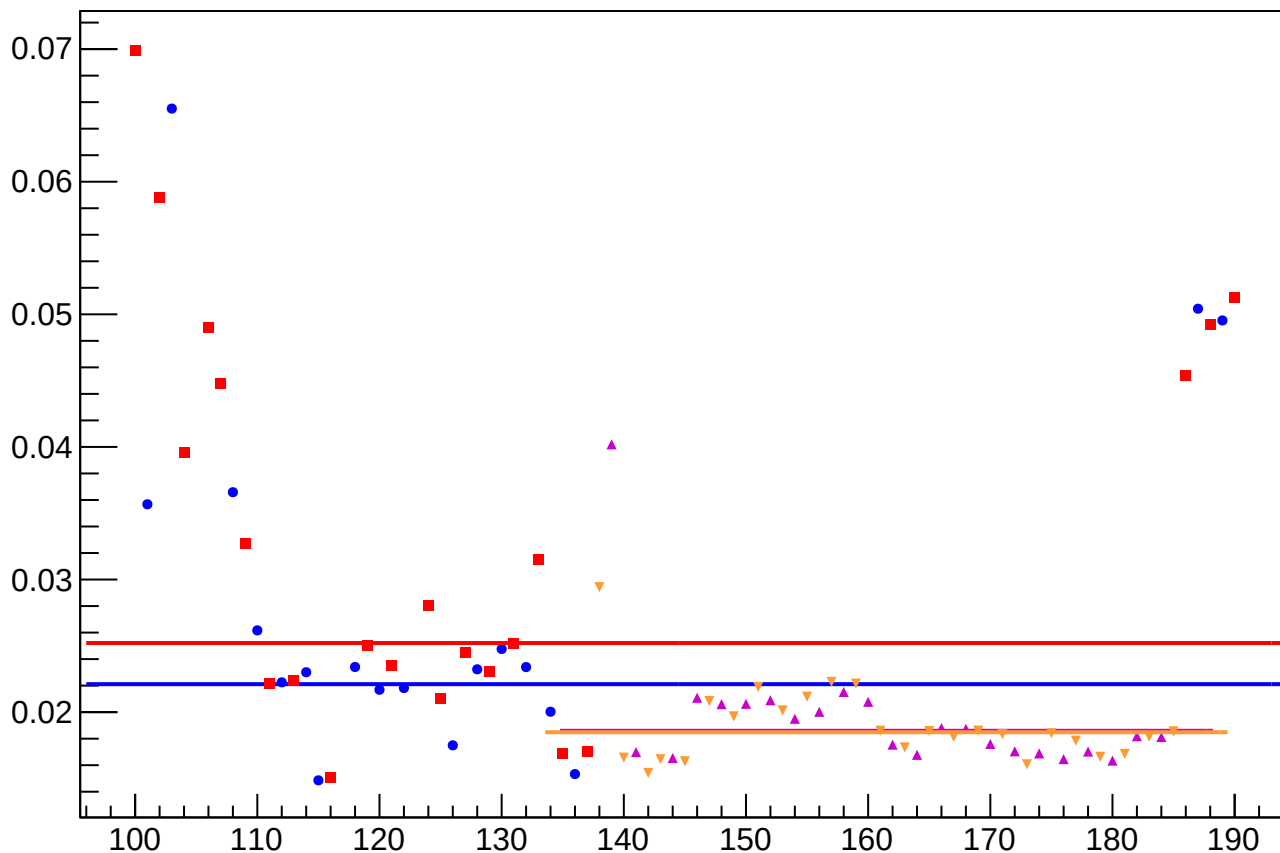
Left In: -0.750+/-0.000 χ^2 /NDF: 140839352.1/22

+ sign -0.710+/-0.000 χ^2 /NDF: 964998495.0/42

All: -0.708+/-0.000 χ^2 /NDF: 1709139868.6/8

- sign -0.707+/-0.000 χ^2 /NDF: 743934408.0/44

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 1574470.2/17

Left Out: 0.018+/-0.000 χ^2/NDF : 491665.0/24

Right Out: 0.025+/-0.000 χ^2/NDF : 2075085.4/21

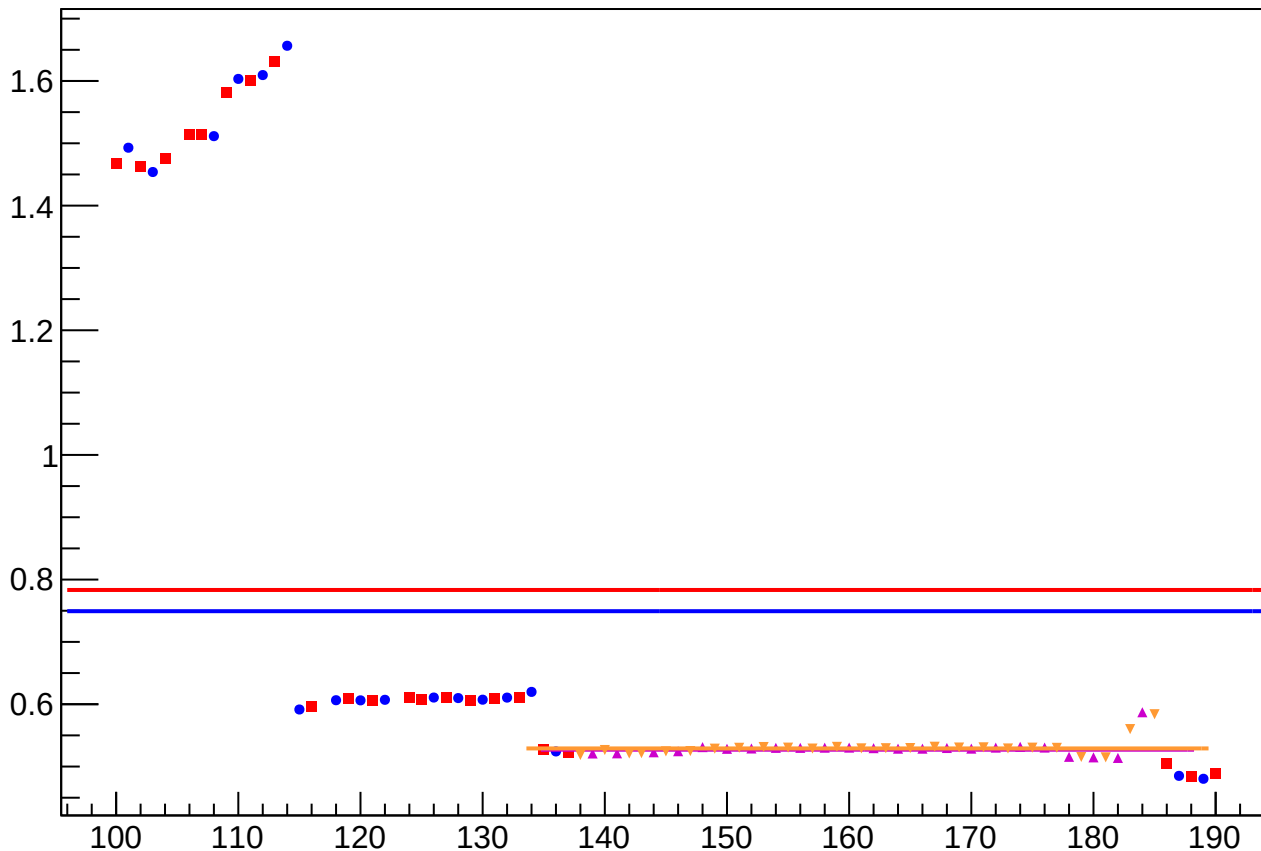
Left In: 0.019+/-0.000 χ^2/NDF : 739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF : 2314245.9/42

All: 0.020+/-0.000 χ^2/NDF : 5902207.3/87

- sign 0.020+/-0.000 χ^2/NDF : 3561629.6/44

yield_bpm4aY_mean vs Slug



Right In: 0.749 $\pm$ 0.000 χ^2 /NDF: 4386892863.9/17

Left Out: 0.529 $\pm$ 0.000 χ^2 /NDF:16236836.5/24

Right Out: 0.783 $\pm$ 0.000 χ^2 /NDF: 5029041009.3/21

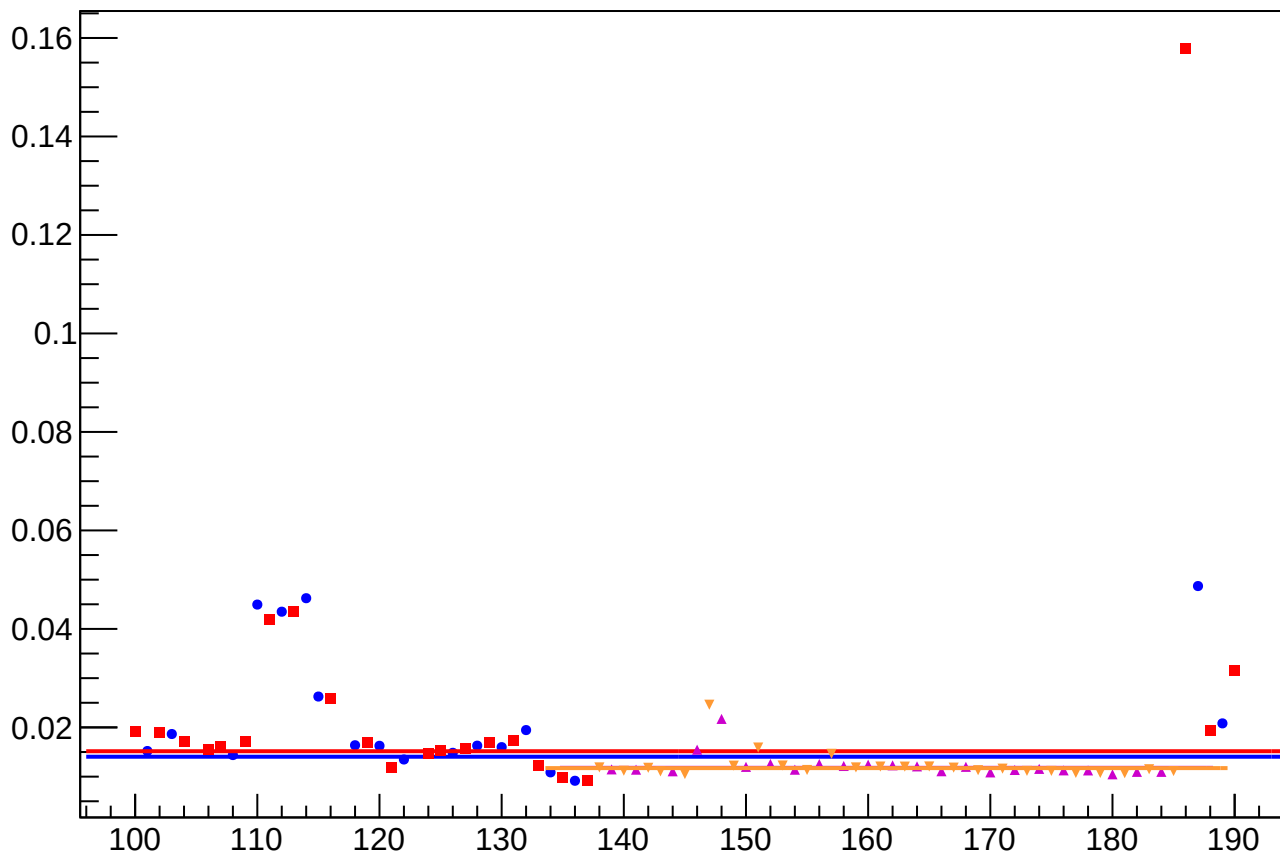
Left In: 0.527 $\pm$ 0.000 χ^2 /NDF:13035326.4/22

+ sign 0.572 $\pm$ 0.000 χ^2 /NDF: 5676741610.7/42

All: 0.575 $\pm$ 0.000 χ^2 /NDF: 12402337752.2/8

- sign 0.579 $\pm$ 0.000 χ^2 /NDF: 6721843221.6/44

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1931973.1/17

Left Out: 0.012+/-0.000 χ^2/NDF : 699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2351473.5/21

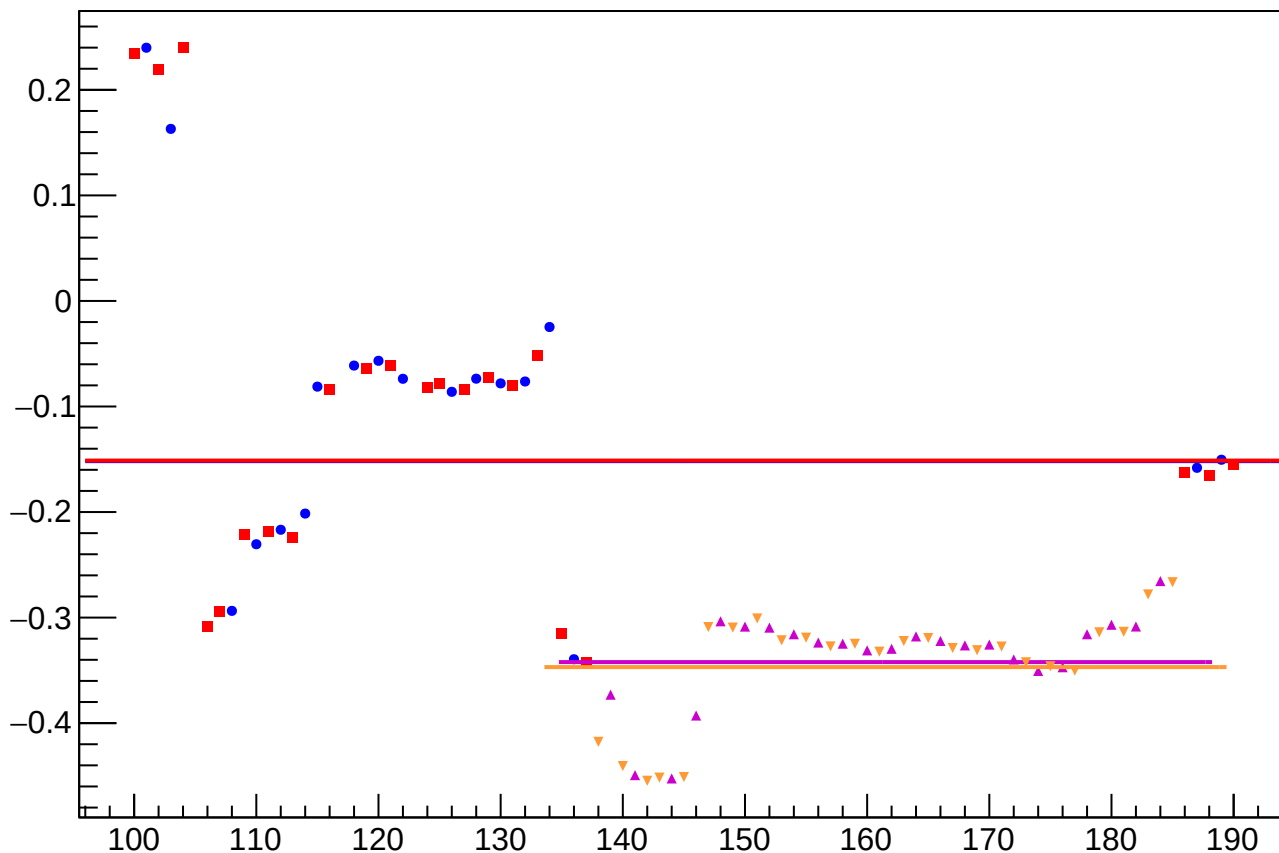
Left In: 0.012+/-0.000 χ^2/NDF : 519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF : 2912704.1/42

All: 0.012+/-0.000 χ^2/NDF : 6378251.8/87

- sign 0.012+/-0.000 χ^2/NDF : 3452173.6/44

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF : 276794717.4/17

Left Out: -0.347+/-0.000 χ^2/NDF : 125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF : 199509394.8/21

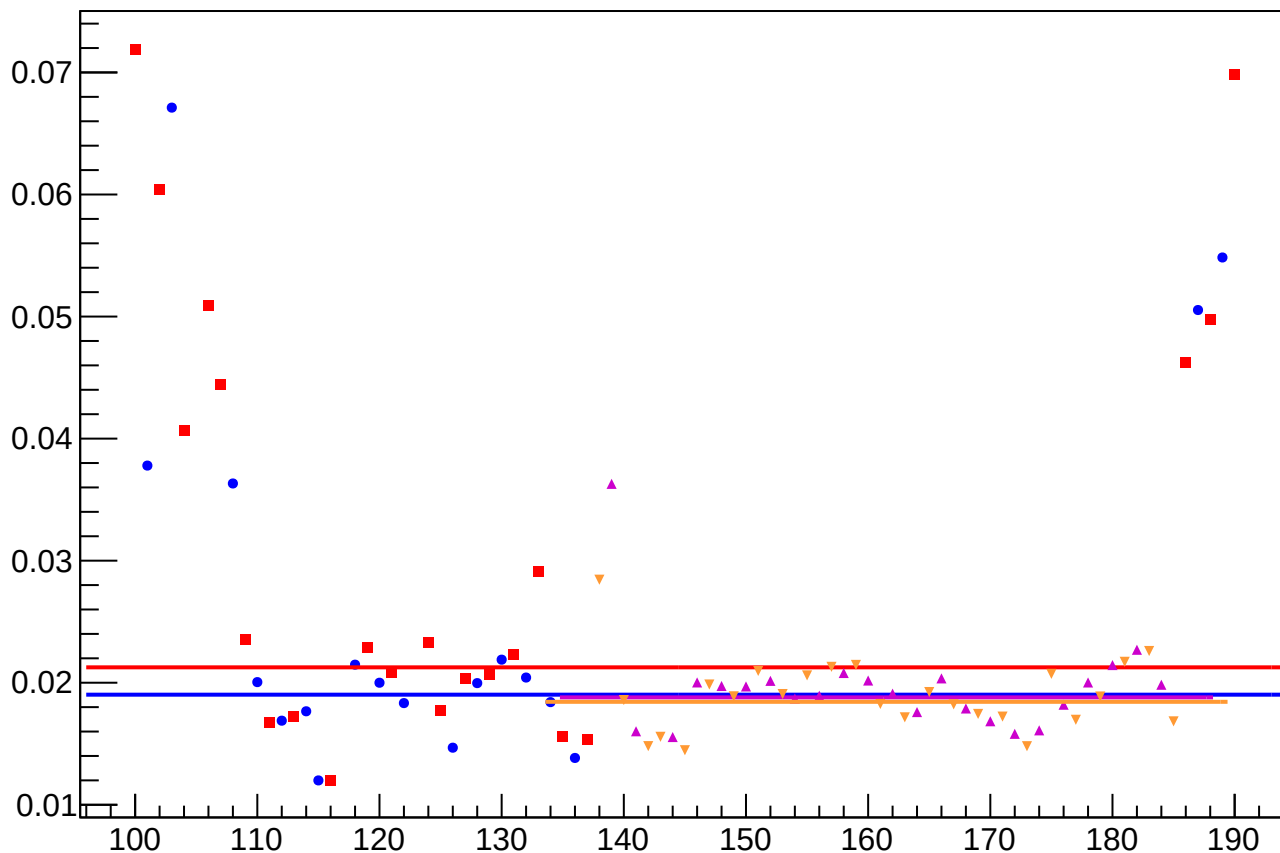
Left In: -0.342+/-0.000 χ^2/NDF : 88220744.3/22

+ sign -0.298+/-0.000 χ^2/NDF : 848700617.8/42

All: -0.296+/-0.000 χ^2/NDF : 1527330798.5/8

- sign -0.294+/-0.000 χ^2/NDF : 678177376.5/44

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1939073.6/17

Left Out: 0.018+/-0.000 χ^2/NDF : 640029.5/24

Right Out: 0.021+/-0.000 χ^2/NDF : 2735677.7/21

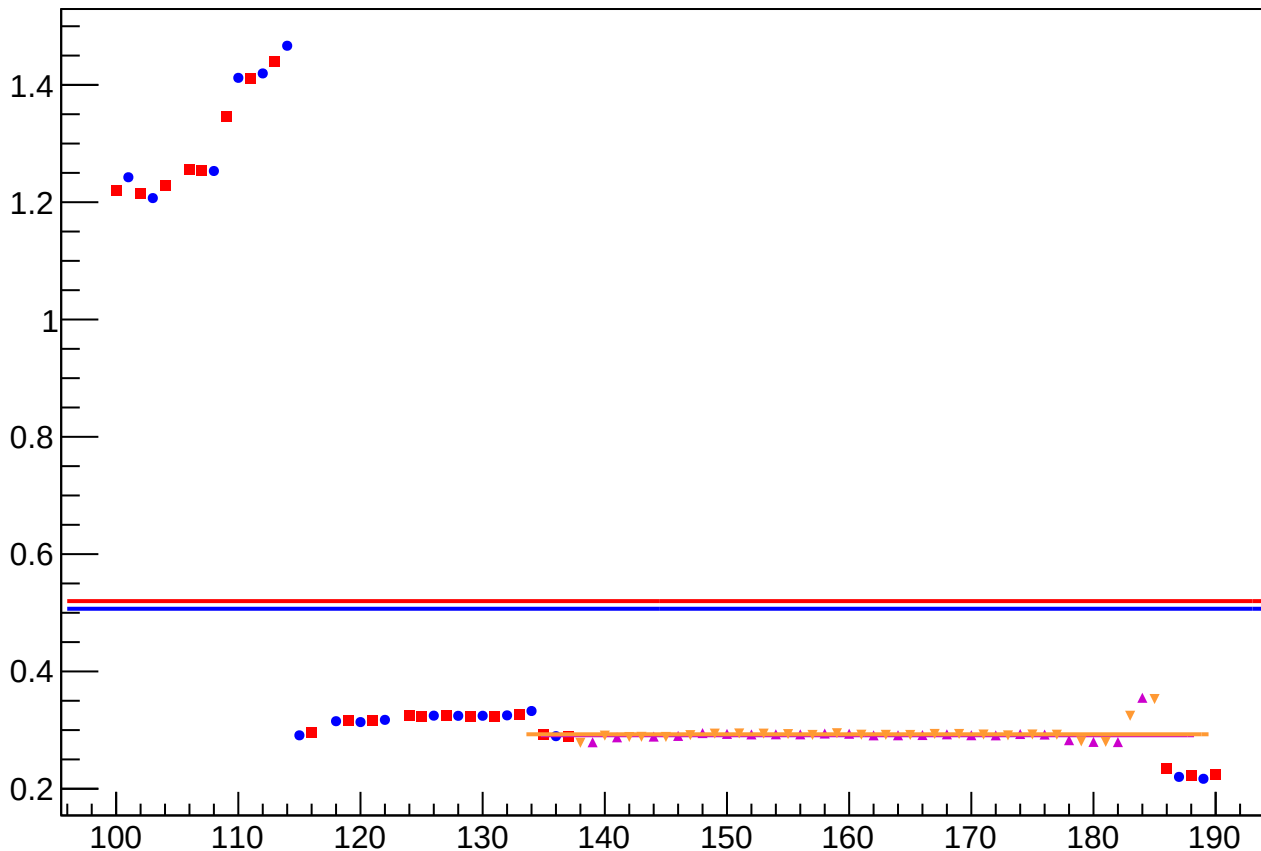
Left In: 0.019+/-0.000 χ^2/NDF : 718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF : 2587120.6/42

All: 0.019+/-0.000 χ^2/NDF : 6212955.5/87

- sign 0.019+/-0.000 χ^2/NDF : 3584264.8/44

yield_bpm4eY_mean vs Slug



Right In: 0.507 $\pm$ 0.000 χ^2 /NDF: 6476282160.0/17

Left Out: 0.293 $\pm$ 0.000 χ^2 /NDF:17281571.0/24

Right Out: 0.520 $\pm$ 0.000 χ^2 /NDF: 7235461243.4/21

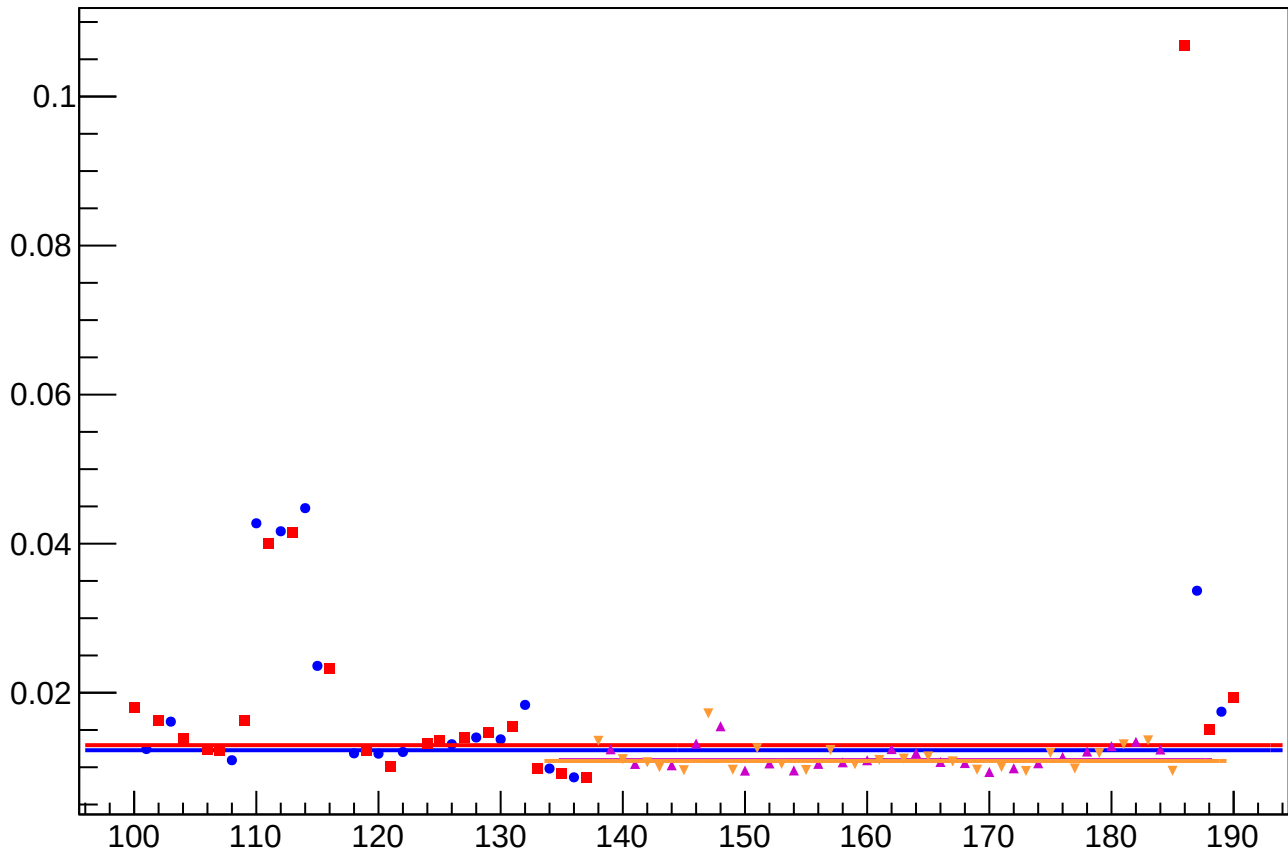
Left In: 0.291 $\pm$ 0.000 χ^2 /NDF:10282762.1/22

+ sign 0.339 $\pm$ 0.000 χ^2 /NDF: 8043024438.8/42

All: 0.342 $\pm$ 0.000 χ^2 /NDF: 17054650502.7/8

- sign 0.344 $\pm$ 0.000 χ^2 /NDF: 9009063434.4/44

yield_bpm4eY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1730381.3/17

Left Out: 0.011 ± 0.000 χ^2/NDF : 654475.7/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 2145671.5/21

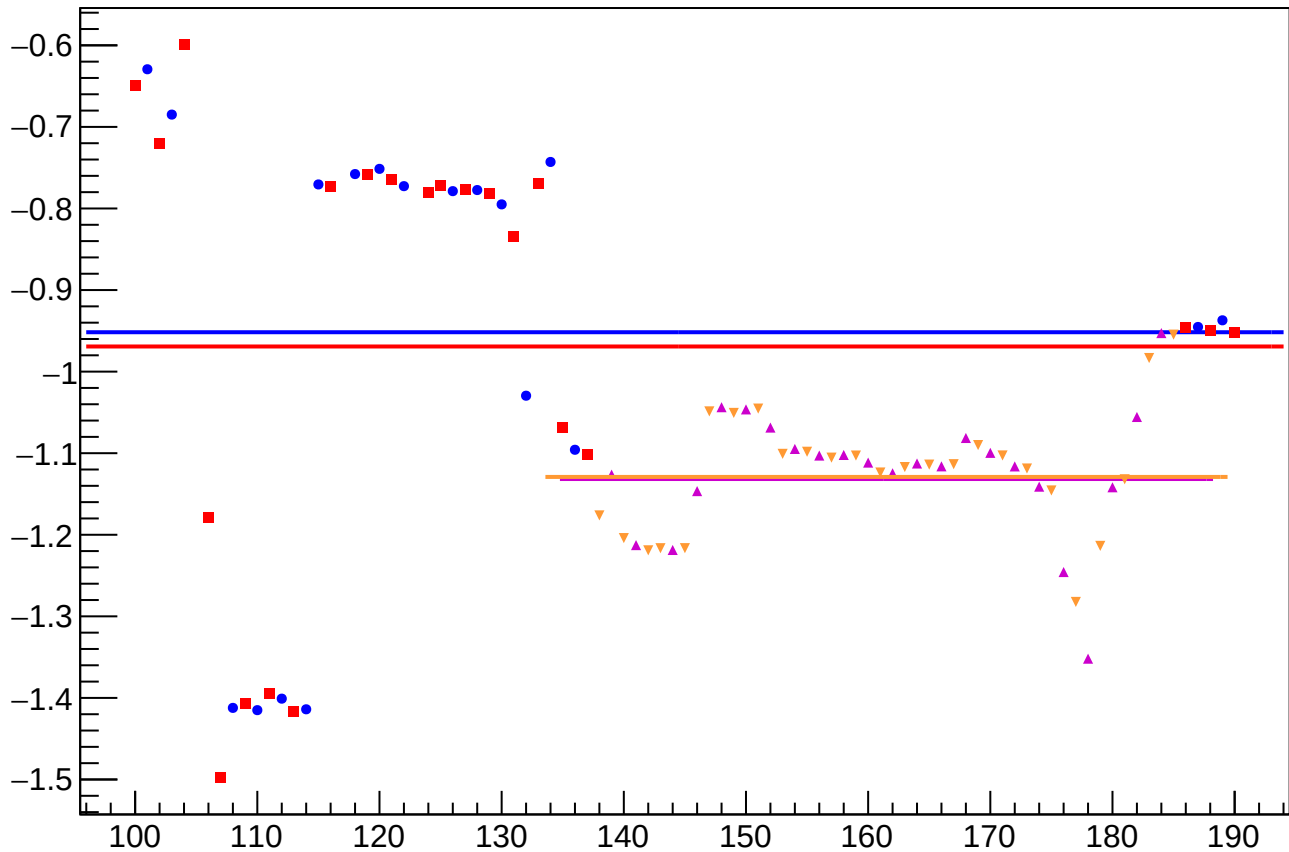
Left In: 0.011 ± 0.000 χ^2/NDF : 512130.1/22

+ sign 0.011 ± 0.000 χ^2/NDF : 2524934.7/42

All: 0.011 ± 0.000 χ^2/NDF : 5467736.4/87

- sign 0.011 ± 0.000 χ^2/NDF : 2929068.1/44

yield_bpm4acX_mean vs Slug



Right In: -0.952 ± 0.000 χ^2/NDF : 699518127.7/17

Left Out: -1.129 ± 0.000 χ^2/NDF : 238152679.4/24

Right Out: -0.969 ± 0.000 χ^2/NDF : 714824679.0/21

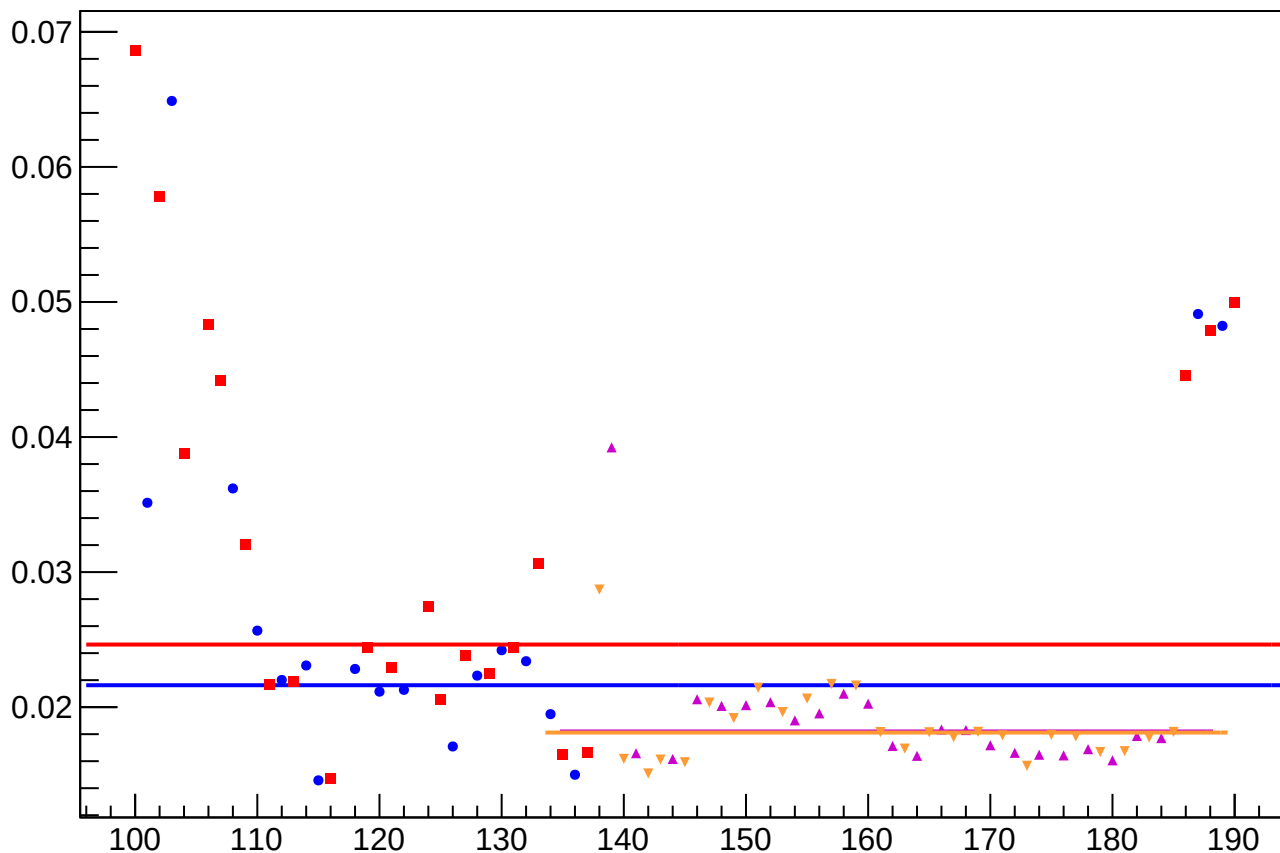
Left In: -1.132 ± 0.000 χ^2/NDF : 260075820.5/22

+ sign -1.092 ± 0.000 χ^2/NDF : 1247622134.8/42

All: -1.096 ± 0.000 χ^2/NDF : 2459032779.0/8

- sign -1.099 ± 0.000 χ^2/NDF : 1210136115.9/44

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 1584610.9/17

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 474004.4/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 2076480.1/21

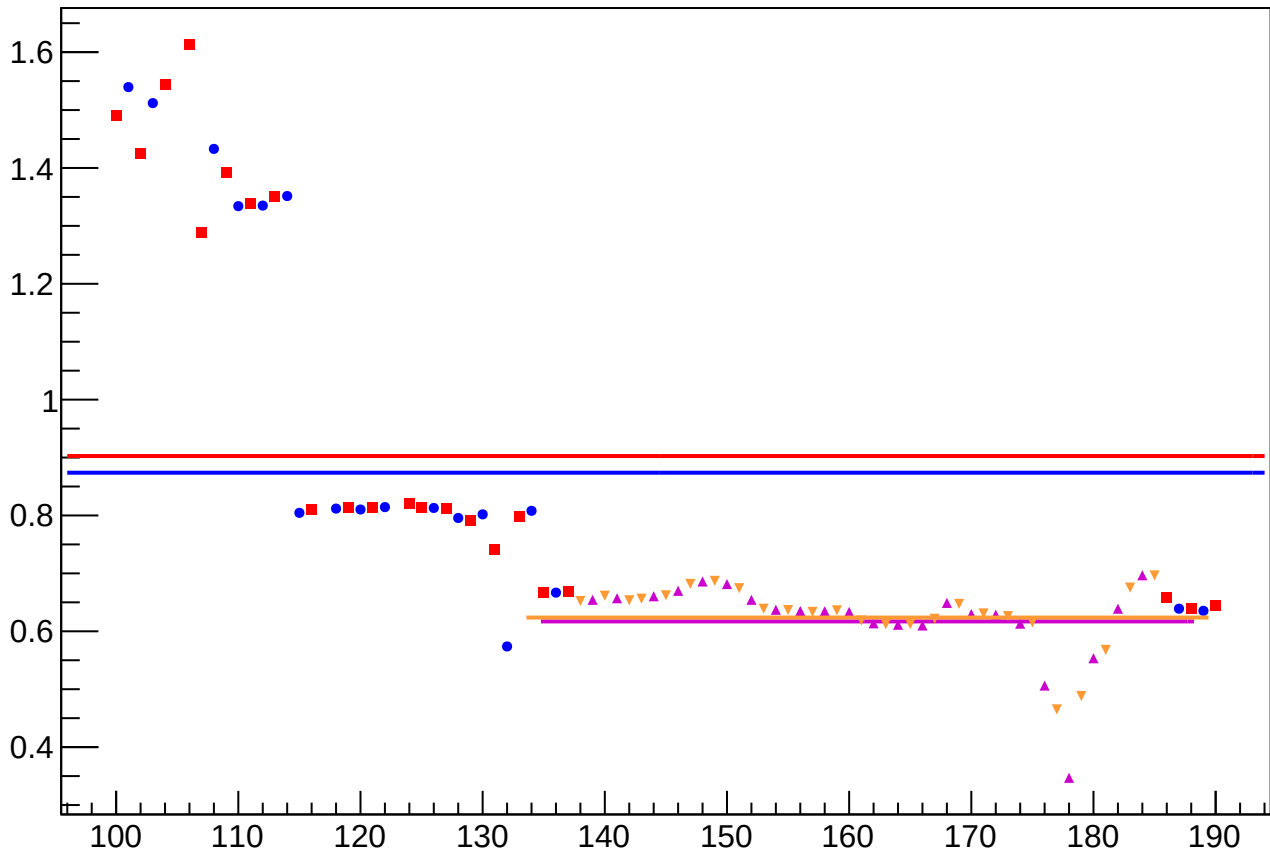
Left In: 0.018 $\pm$ 0.000 χ^2 /NDF: 723957.3/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2300470.5/42

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 5862908.7/87

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3538248.5/44

yield_bpm4acY_mean vs Slug



Right In: 0.874+/-0.000 χ^2/NDF : 2849674382.0/17

Left Out: 0.624+/-0.000 χ^2/NDF : 400613435.2/24

Right Out: 0.903+/-0.000 χ^2/NDF : 2967213822.8/21

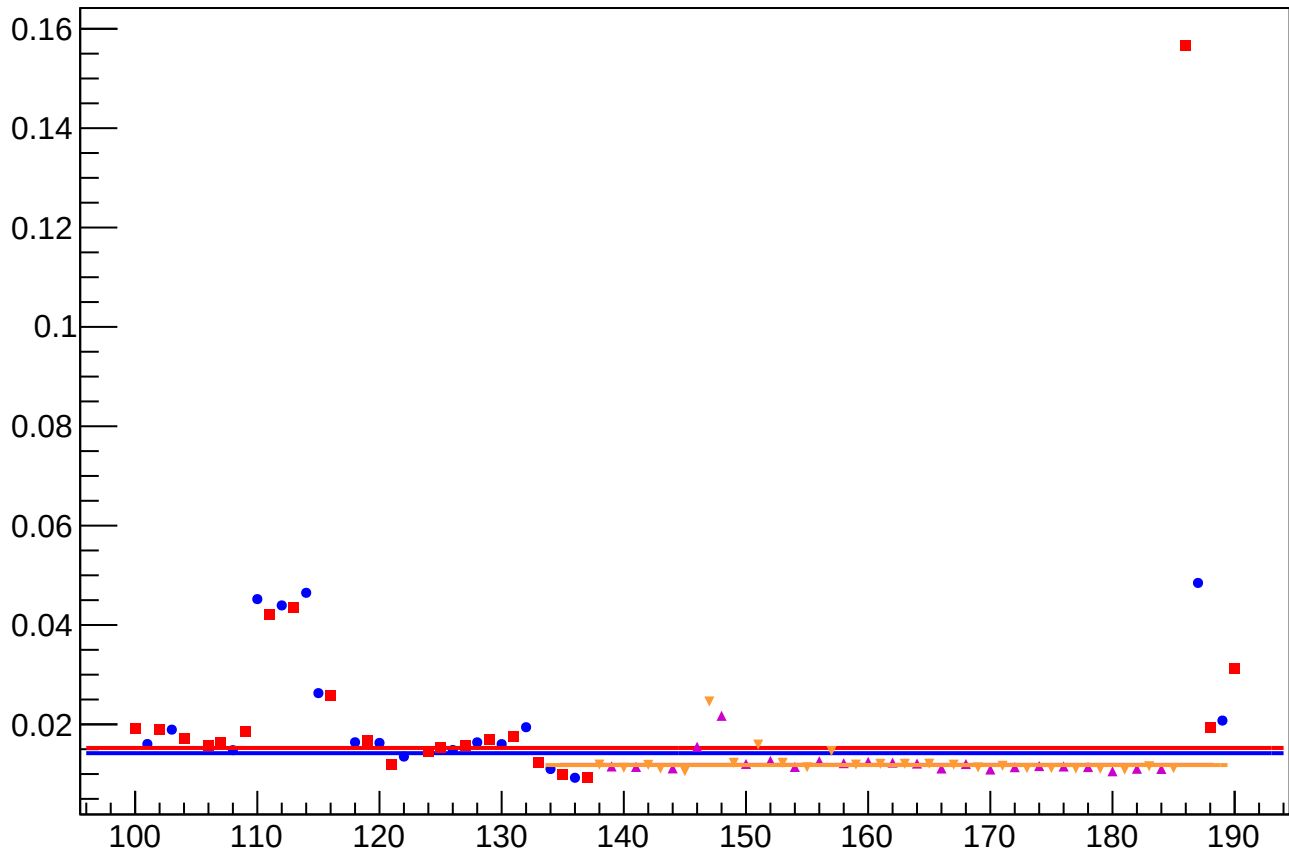
Left In: 0.617+/-0.000 χ^2/NDF : 646297442.3/22

+ sign 0.672+/-0.000 χ^2/NDF : 4855733354.9/42

All: 0.673+/-0.000 χ^2/NDF : 10524574226.8/85

- sign 0.675+/-0.000 χ^2/NDF : 5668360557.7/44

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1921339.4/17

Left Out: 0.012+/-0.000 χ^2/NDF : 673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2350794.3/21

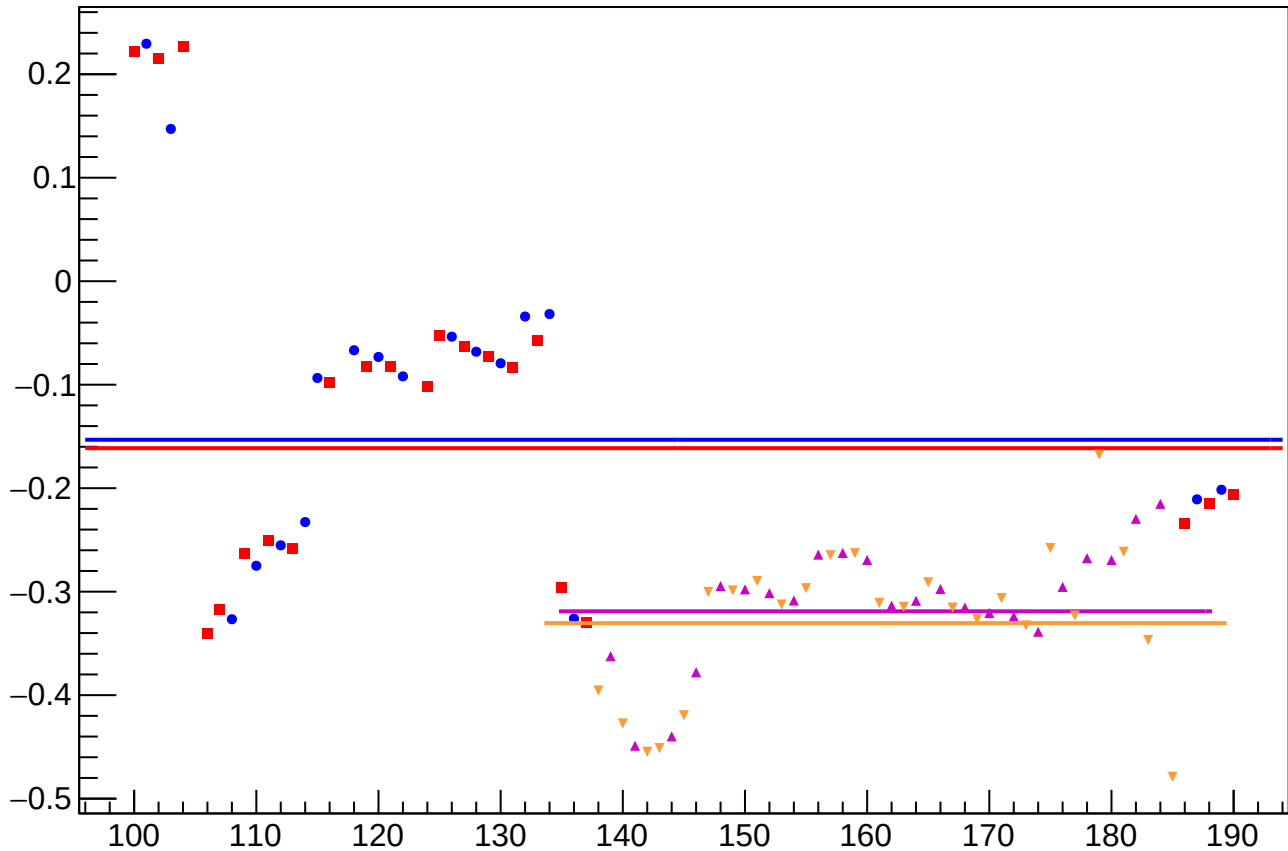
Left In: 0.012+/-0.000 χ^2/NDF : 508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2888830.0/42

All: 0.012+/-0.000 χ^2/NDF : 6343774.4/87

- sign 0.013+/-0.000 χ^2/NDF : 3444010.5/44

yield_bpm4ecX_mean vs Slug



Right In: -0.153 ± 0.000 χ^2/NDF : 274866656.4/17

Left Out: -0.330 ± 0.000 χ^2/NDF : 182729419.2/24

Right Out: -0.161 ± 0.000 χ^2/NDF : 197782070.0/21

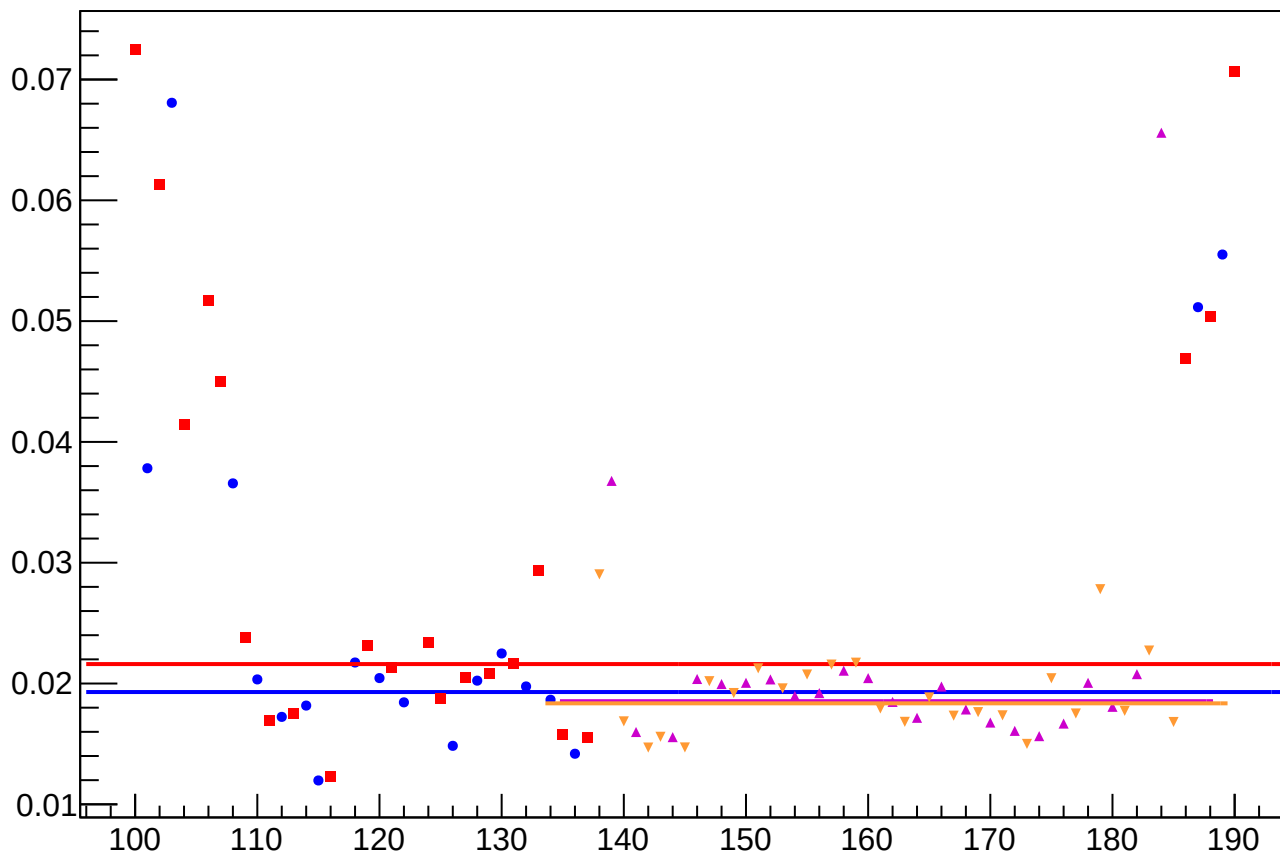
Left In: -0.319 ± 0.000 χ^2/NDF : 130589173.8/22

+ sign -0.286 ± 0.000 χ^2/NDF : 815895208.4/42

All: -0.283 ± 0.000 χ^2/NDF : 1404944631.8/8

- sign -0.280 ± 0.000 χ^2/NDF : 588017349.0/44

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1914889.9/17

Left Out: 0.018+/-0.000 χ^2/NDF : 737503.8/24

Right Out: 0.022+/-0.000 χ^2/NDF : 2711960.8/21

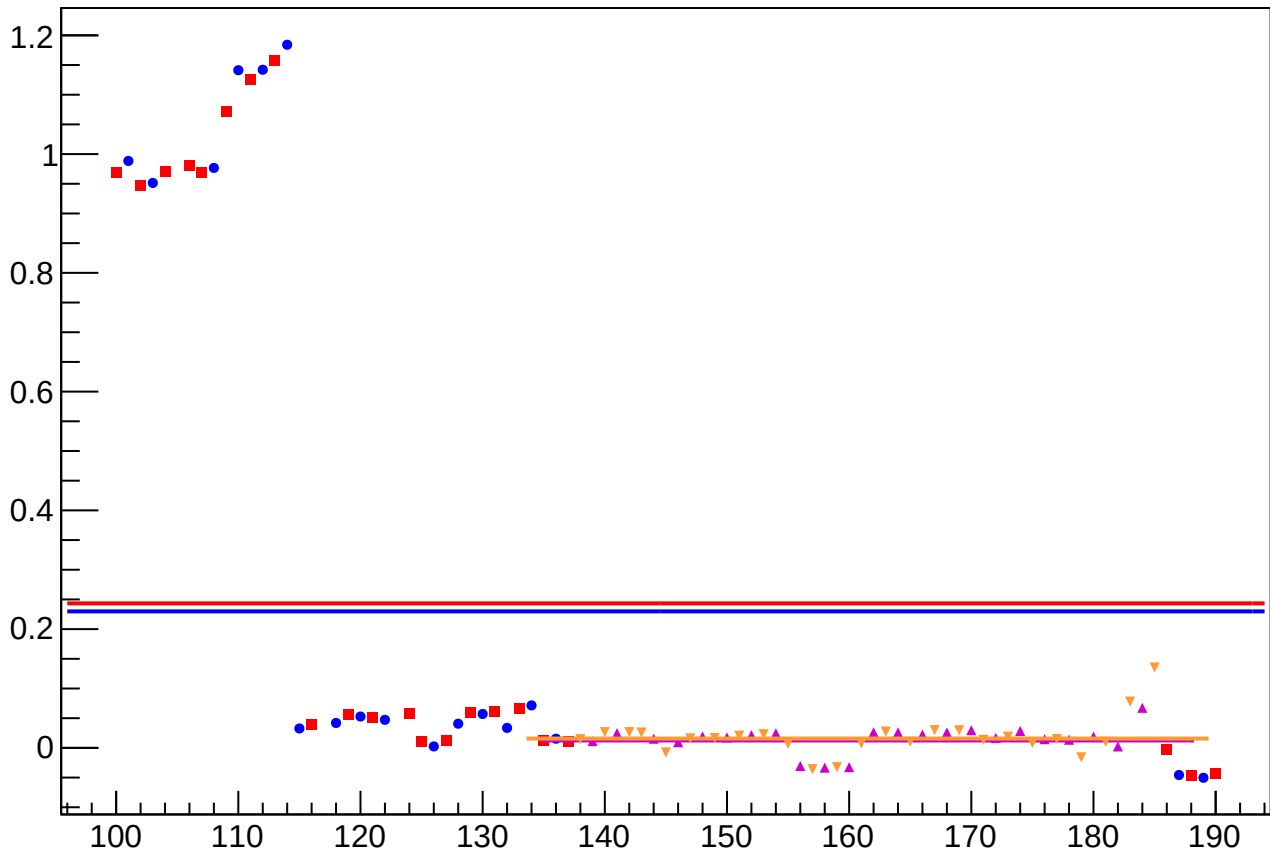
Left In: 0.019+/-0.000 χ^2/NDF : 933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF : 2672393.9/42

All: 0.019+/-0.000 χ^2/NDF : 6544264.9/87

- sign 0.019+/-0.000 χ^2/NDF : 3843107.7/44

yield_bpm4ecY_mean vs Slug



Right In: 0.230 $\pm$ 0.000 χ^2 /NDF: 6659482910.6/17

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:104485335.8/24

Right Out: 0.243 $\pm$ 0.000 χ^2 /NDF: 7235046010.1/21

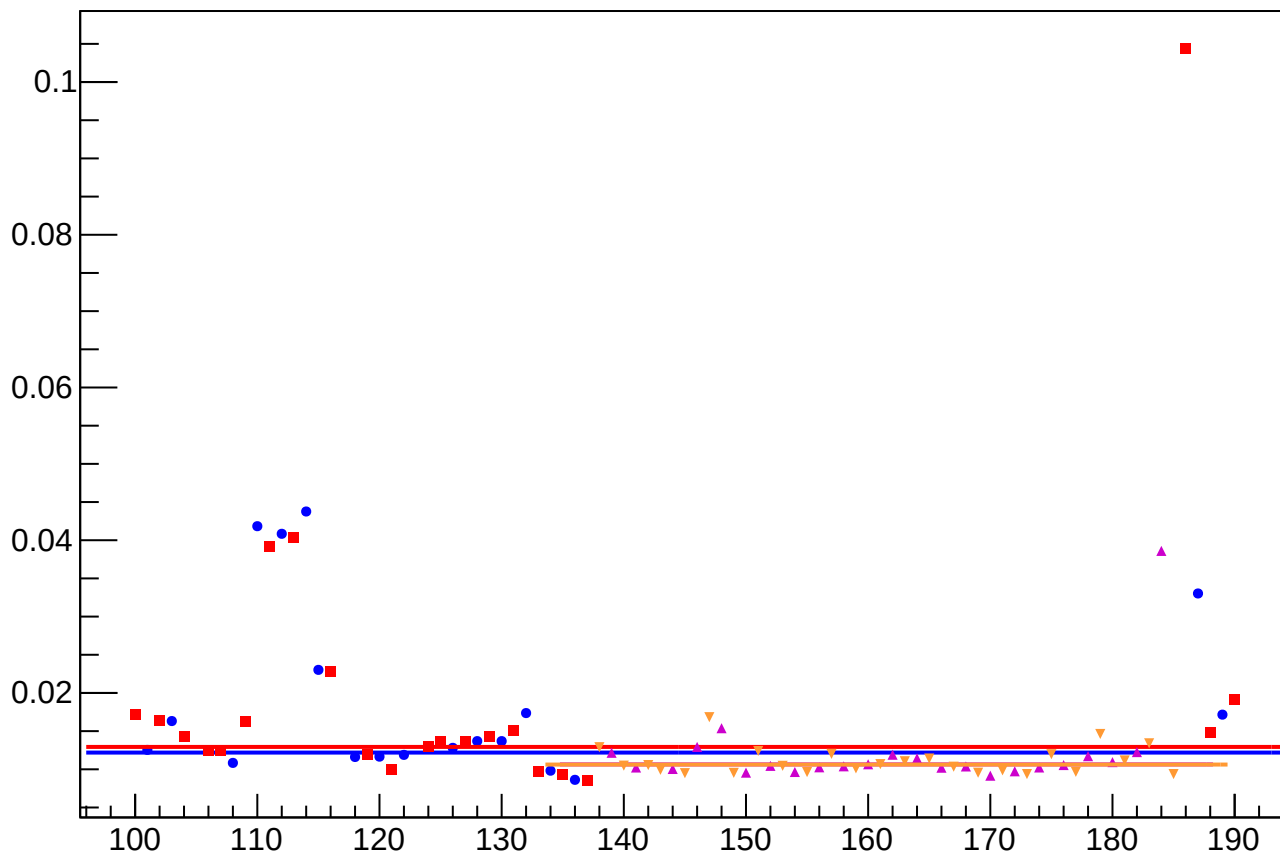
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:58674739.1/22

+ sign 0.062 $\pm$ 0.000 χ^2 /NDF: 8341943821.8/42

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 17458699913.1/8

- sign 0.065 $\pm$ 0.000 χ^2 /NDF: 9116016612.1/44

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1692135.2/17

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:622208.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2090787.3/21

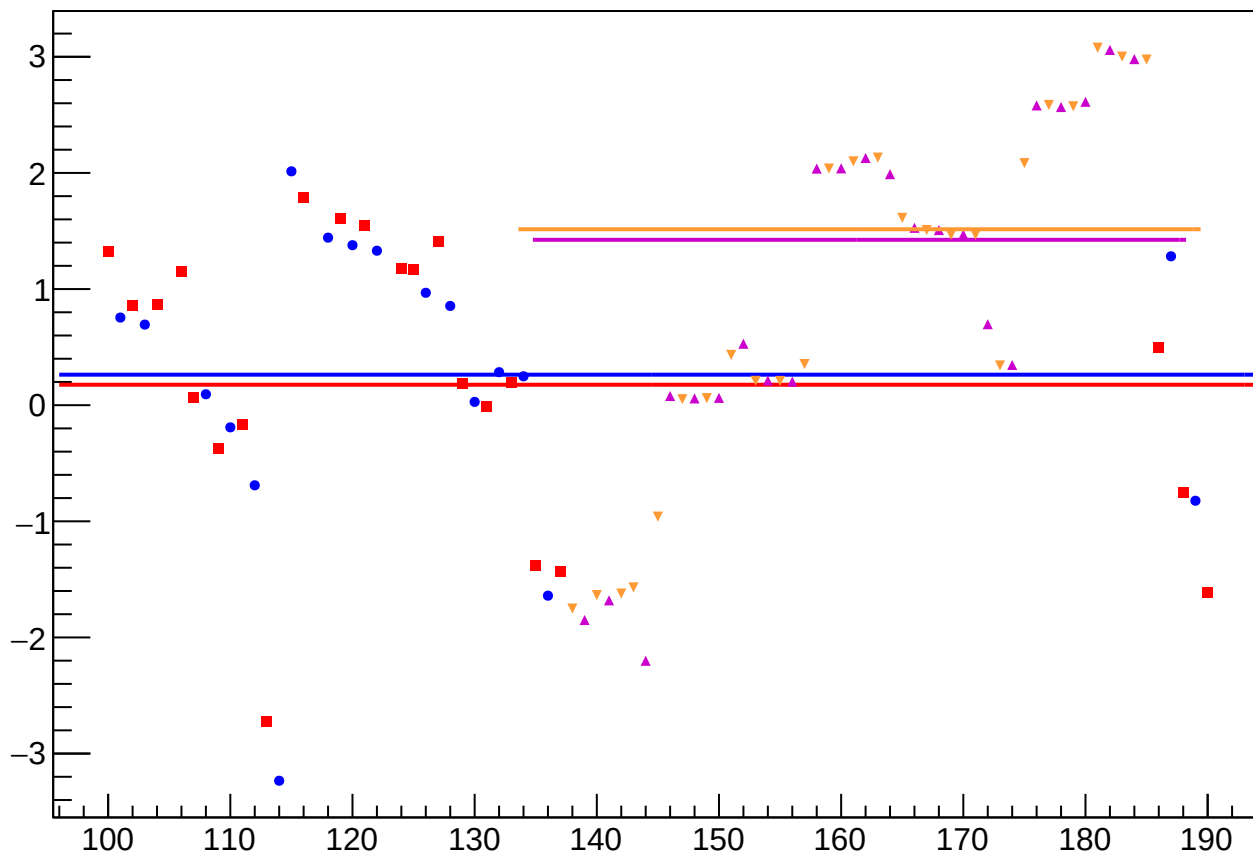
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:571950.9/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2483640.1/42

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5512630.6/87

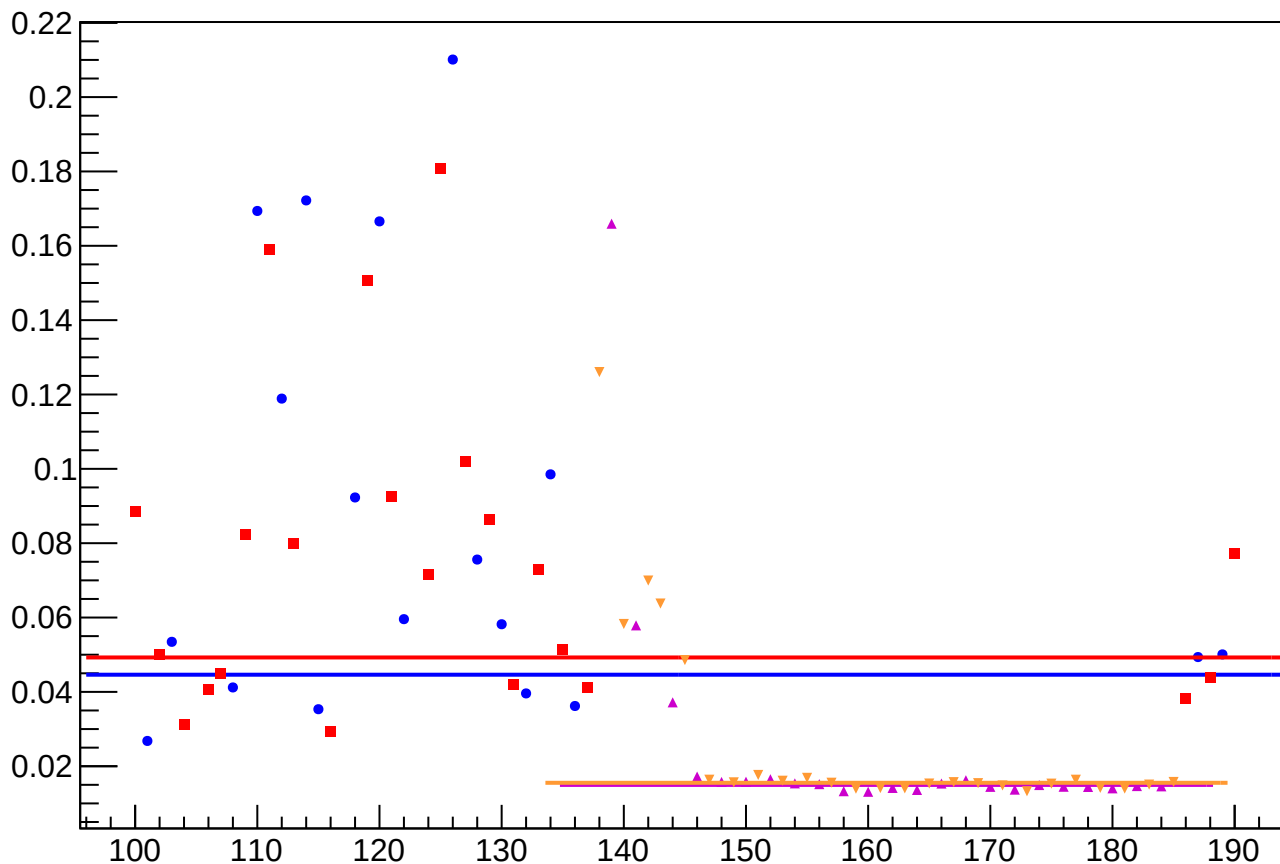
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3021099.5/44

yield_bpm1X_mean vs Slug



Right In: 0.263+/-0.000	χ^2/NDF : 1950850411.4/17	+ sign 1.471+/-0.000	χ^2/NDF : 73113525169.8/42
Left Out: 1.515+/-0.000	χ^2/NDF : 67789388512.2/24	All: 1.423+/-0.000	χ^2/NDF : 147543290618.7
Right Out: 0.176+/-0.000	χ^2/NDF : 2501621341.1/21	- sign 1.378+/-0.000	χ^2/NDF : 74153622629.4/44
Left In: 1.424+/-0.000	χ^2/NDF : 68046262594.0/22		

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2802748.3/17

Left Out: 0.016+/-0.000 χ^2/NDF :2984313.0/24

Right Out: 0.049+/-0.000 χ^2/NDF : 2556147.3/21

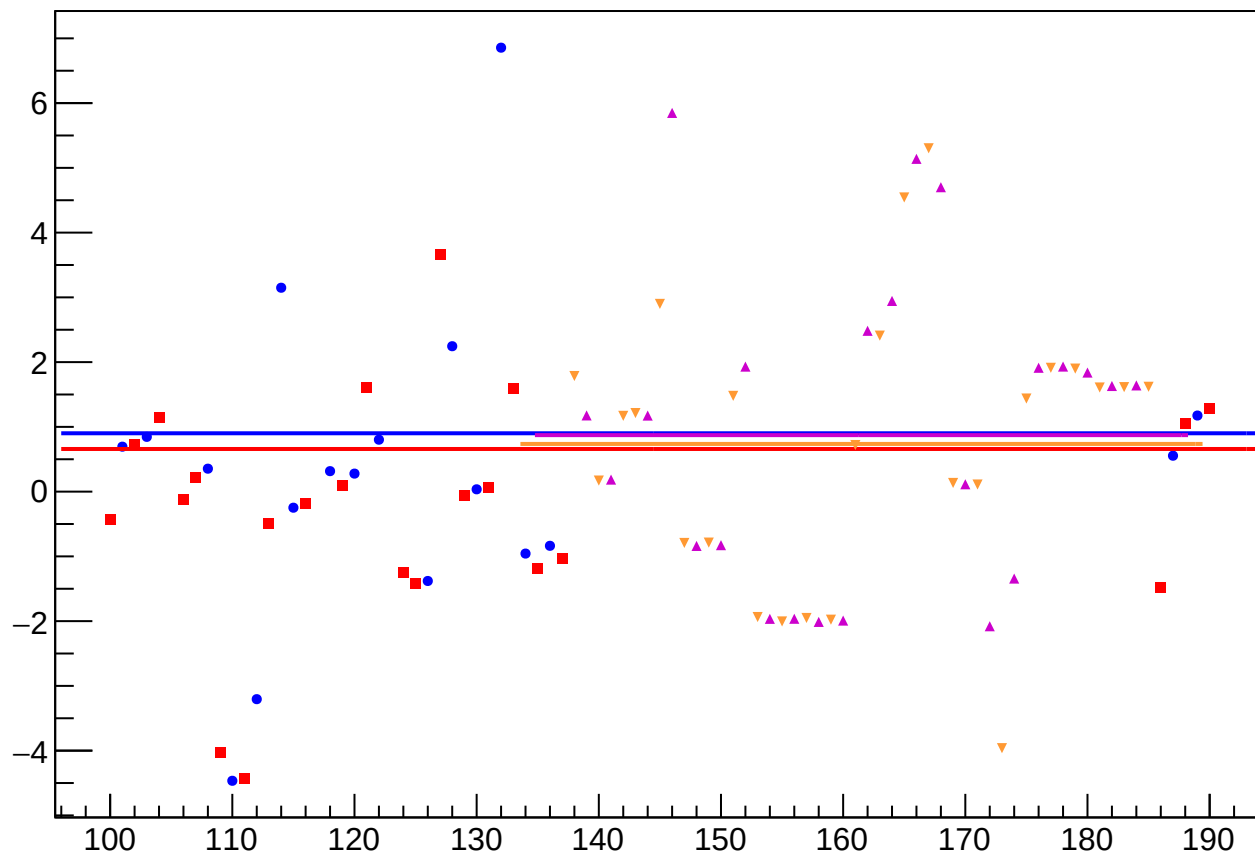
Left In: 0.015+/-0.000 χ^2/NDF :2182916.7/22

+ sign 0.017+/-0.000 χ^2/NDF : 9422991.9/42

All: 0.016+/-0.000 χ^2/NDF : 19611198.9/87

- sign 0.016+/-0.000 χ^2/NDF : 10181520.7/44

yield_bpm1Y_mean vs Slug



Right In: 0.901 ± 0.000 $\chi^2/\text{NDF}: 11650784719.0/17$

Left Out: 0.737 ± 0.000 $\chi^2/\text{NDF}: 535962480112.3/24$

Right Out: 0.659 ± 0.000 $\chi^2/\text{NDF}: 5888541005.3/21$

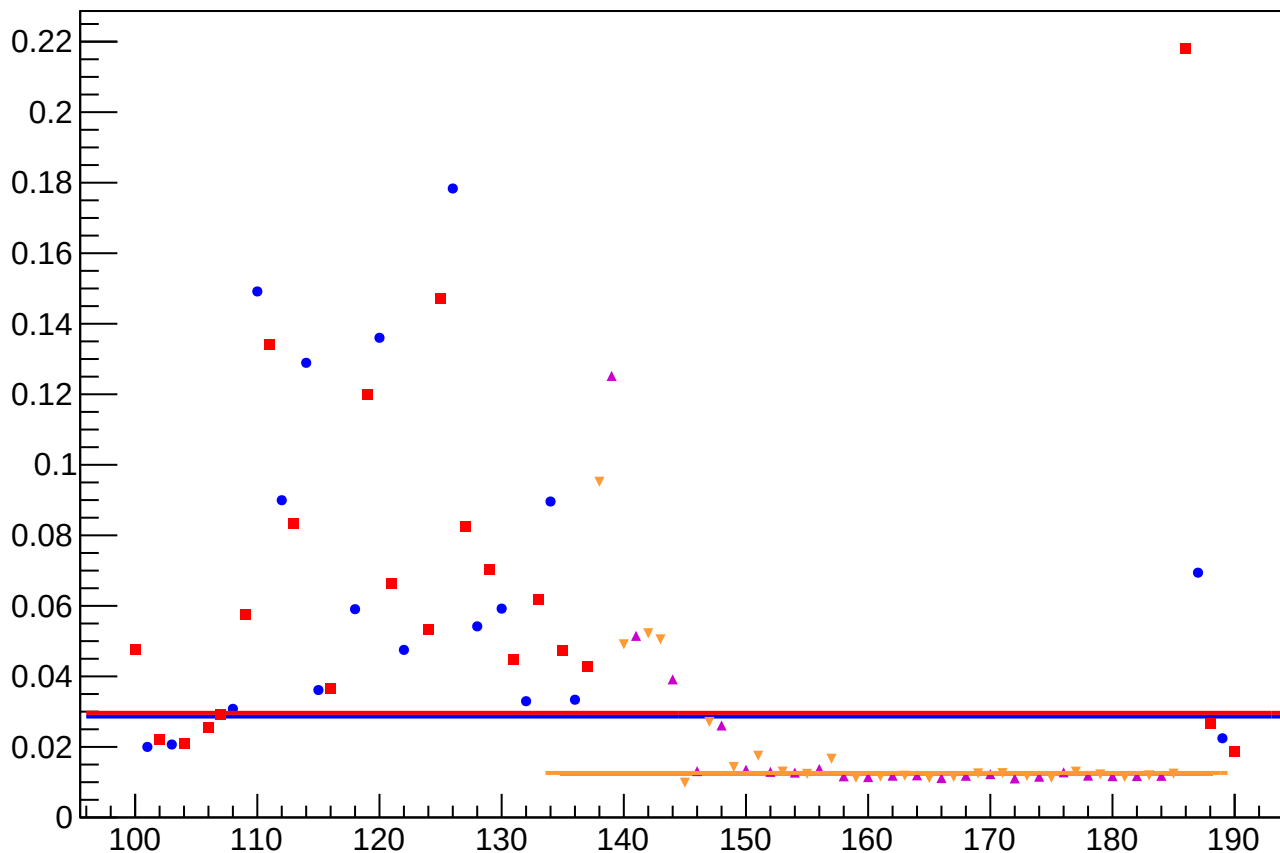
Left In: 0.872 ± 0.000 $\chi^2/\text{NDF}: 620161319368.2/22$

+ sign 0.745 ± 0.000 $\chi^2/\text{NDF}: 547744612768.8/42$

All: 0.803 ± 0.000 $\chi^2/\text{NDF}: 1174750743264.$

- sign 0.861 ± 0.000 $\chi^2/\text{NDF}: 626303492009.3/44$

yield_bpm1Y_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 3379821.4/17

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:3191407.4/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 4160977.8/21

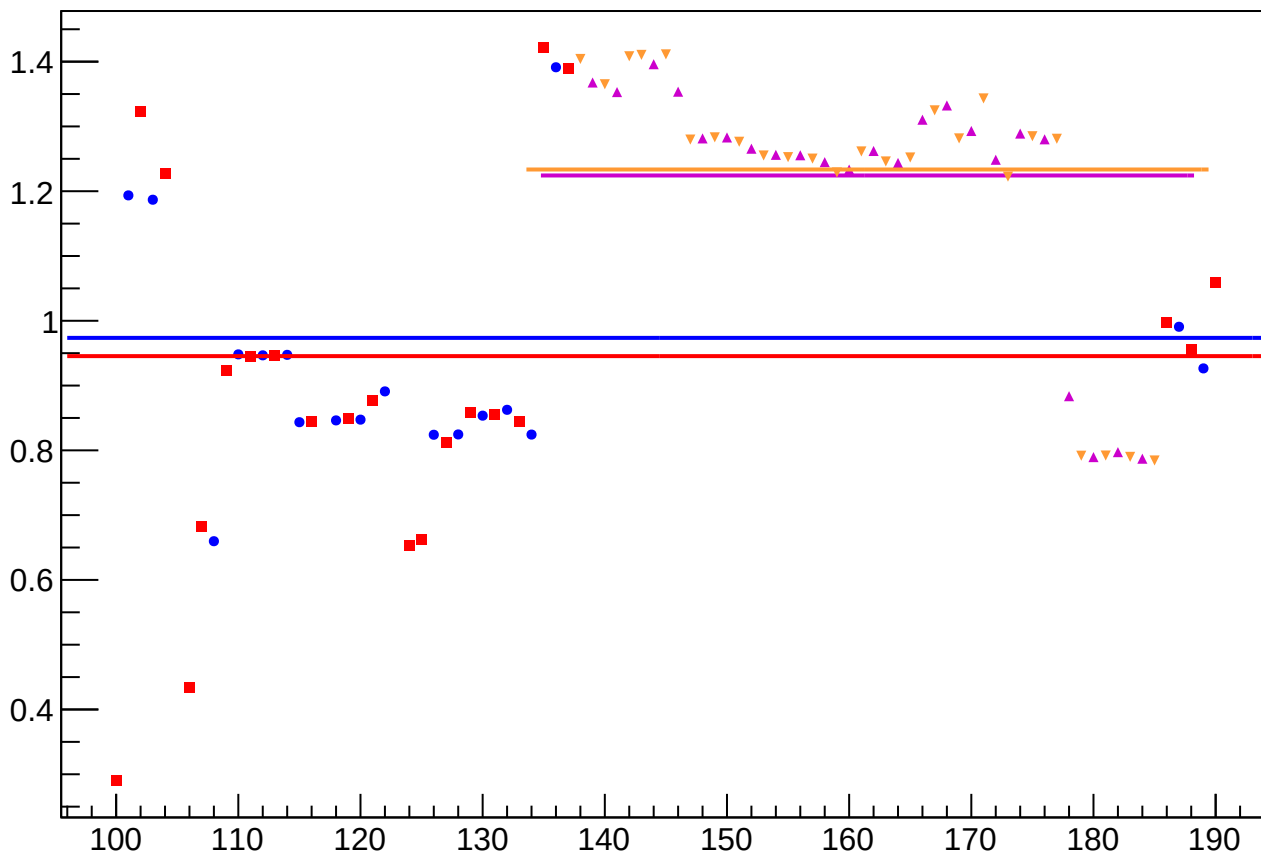
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:2756702.2/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 9051253.0/42

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 19255195.2/87

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 10203915.9/44

yield_bpm11X_mean vs Slug



Right In: 0.974 ± 0.000 χ^2/NDF : 1460350690.1/17

Left Out: 1.234 ± 0.000 χ^2/NDF : 3043934887.1/24

Right Out: 0.945 ± 0.000 χ^2/NDF : 1675661517.6/21

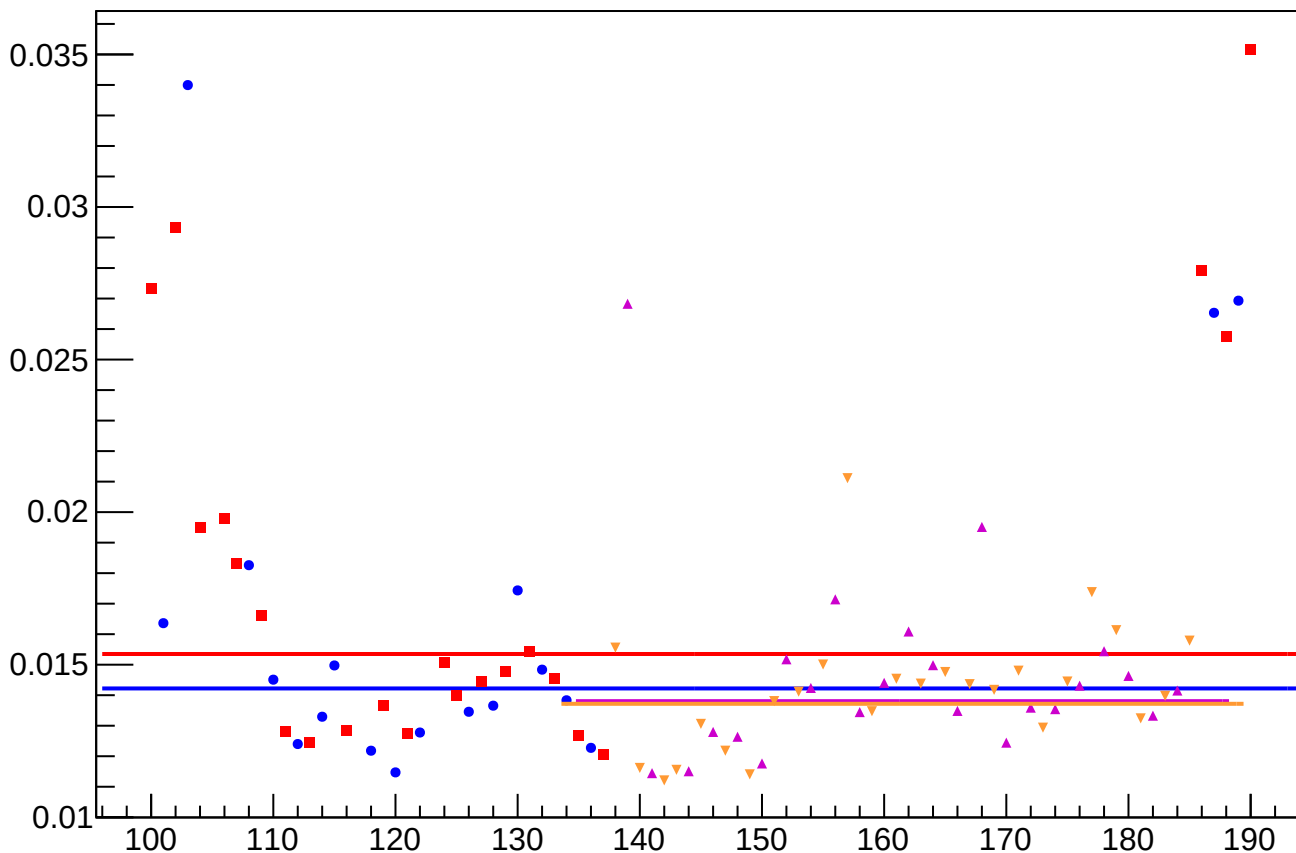
Left In: 1.224 ± 0.000 χ^2/NDF : 2653773297.1/22

+ sign 1.163 ± 0.000 χ^2/NDF : 6146908240.8/42

All: 1.155 ± 0.000 χ^2/NDF : 12330344874.9/8

- sign 1.147 ± 0.000 χ^2/NDF : 6167110838.8/44

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 904184.3/17

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:550789.3/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258598.6/21

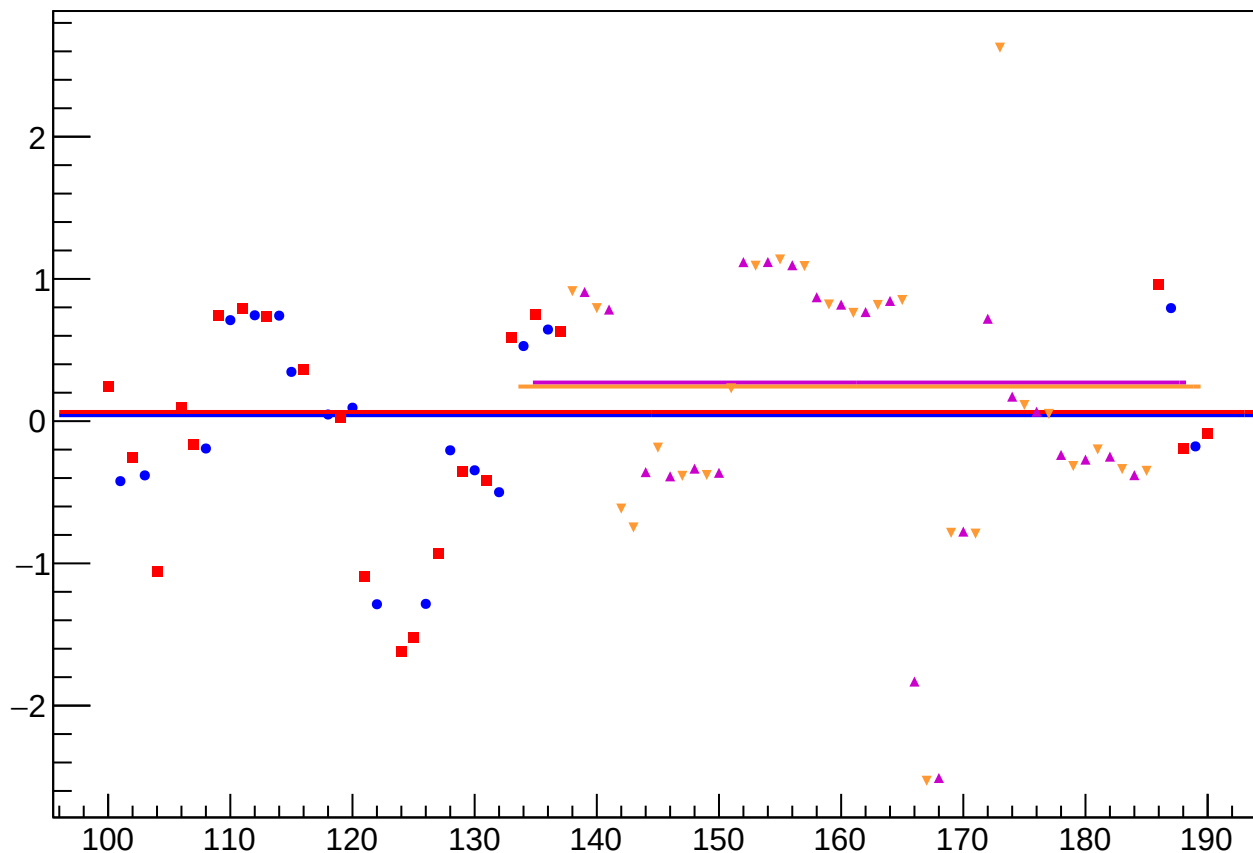
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:870104.2/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1467301.4/42

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 3726330.7/87

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 2241643.0/44

yield_bpm11Y_mean vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 11185211109.0/17

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF:105591710525.9/24

Right Out: 0.065 $\pm$ 0.000 χ^2 /NDF: 18020528602.1/21

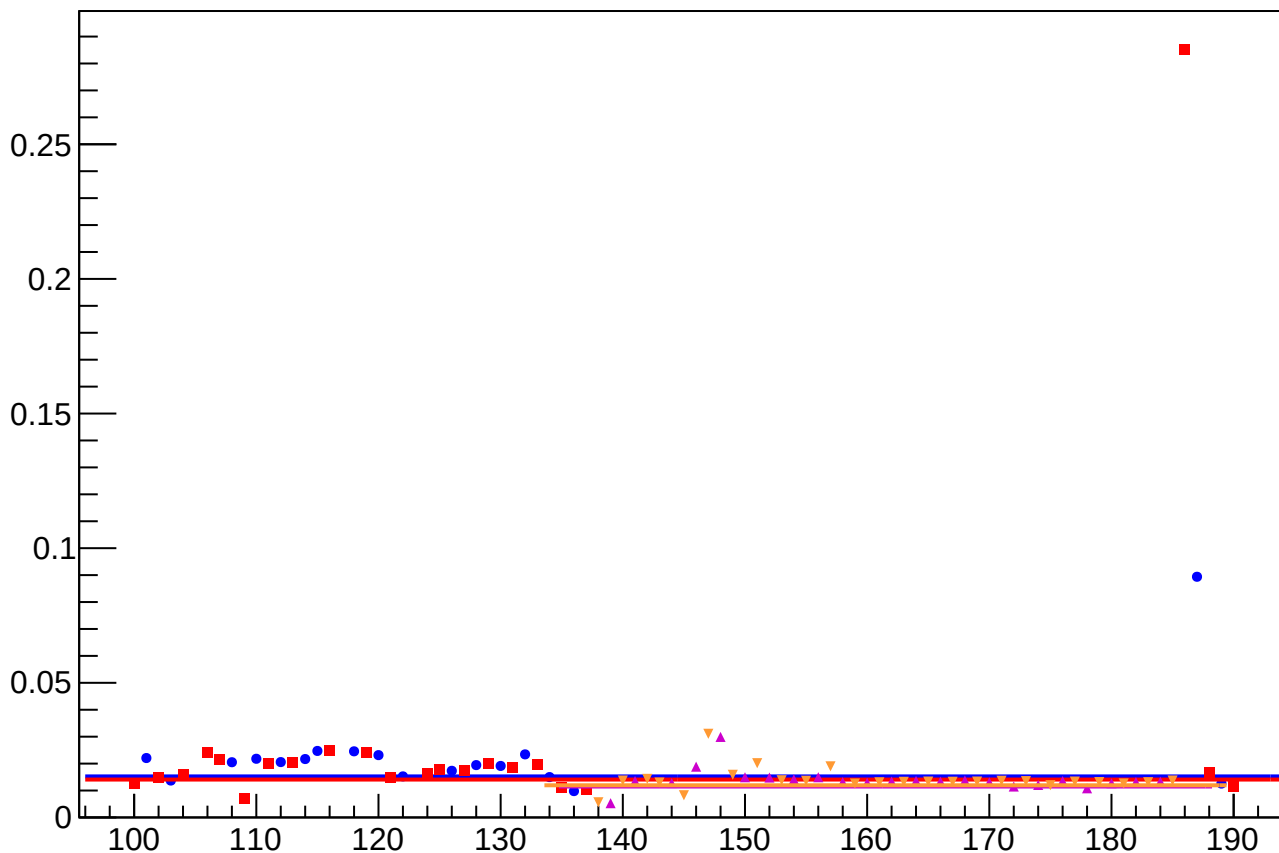
Left In: 0.271 $\pm$ 0.000 χ^2 /NDF:90500933388.6/22

+ sign 0.205 $\pm$ 0.000 χ^2 /NDF: 117687204094.2/42

All: 0.215 $\pm$ 0.000 χ^2 /NDF: 227378673119.4

- sign 0.225 $\pm$ 0.000 χ^2 /NDF: 109662344488.0/44

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1576594.8/17

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 3266034.8/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2435628.6/21

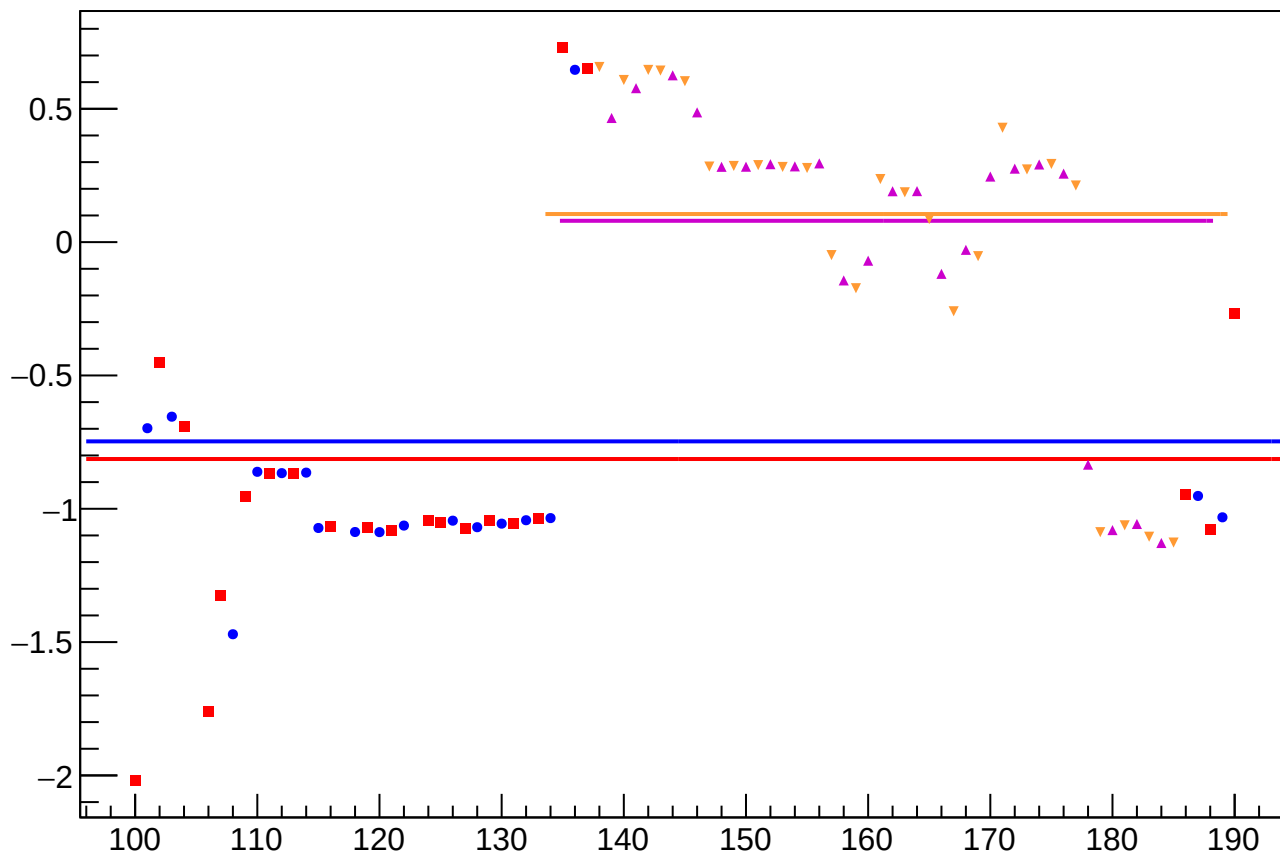
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 3671096.5/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5330188.2/42

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11831406.0/87

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6463199.8/44

yield_bpm12X_mean vs Slug



Right In: -0.747 ± 0.000 χ^2/NDF : 2087351981.9/17

Left Out: 0.105 ± 0.000 χ^2/NDF : 3787188881.7/24

Right Out: -0.813 ± 0.000 χ^2/NDF : 1920316585.6/21

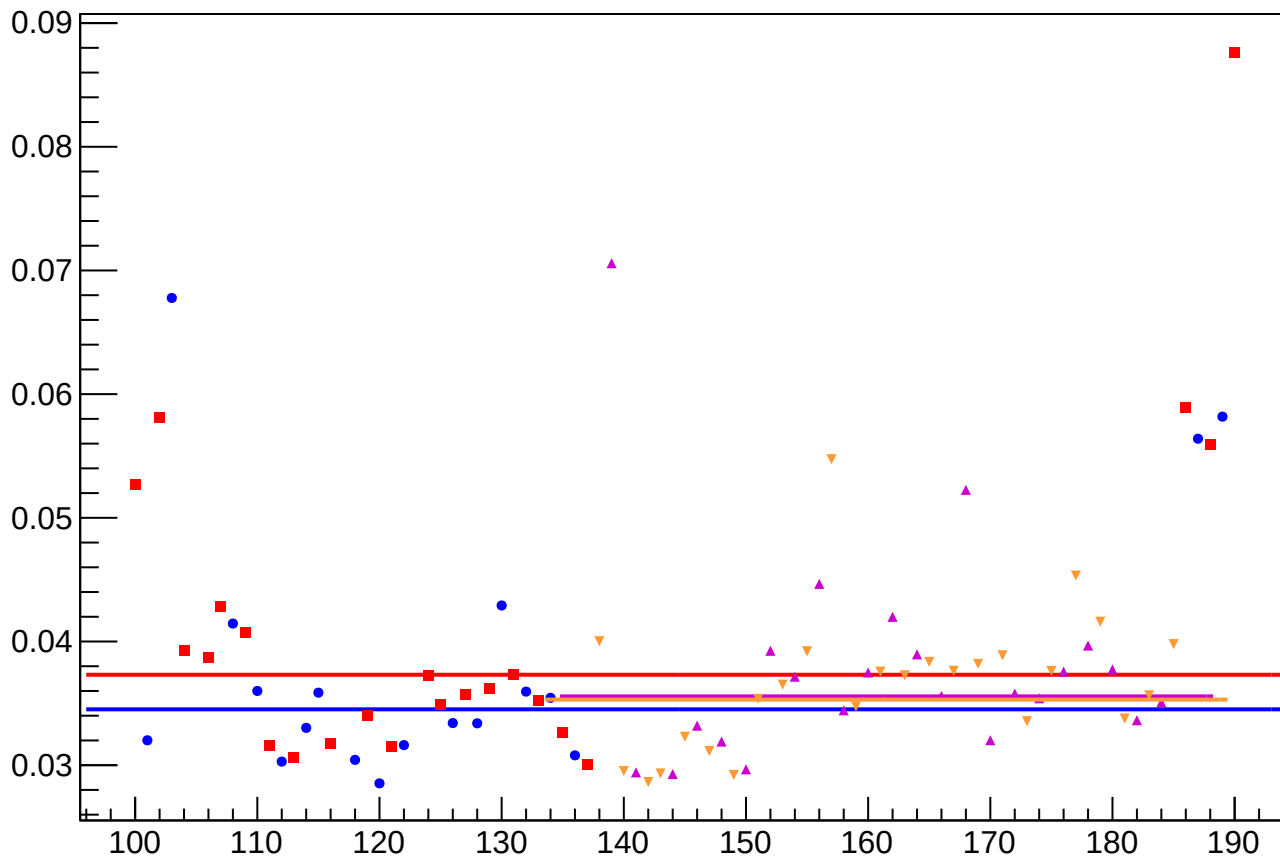
Left In: 0.080 ± 0.000 χ^2/NDF : 3269598614.0/22

+ sign -0.150 ± 0.000 χ^2/NDF : 8806528467.4/42

All: -0.171 ± 0.000 χ^2/NDF : 17126920432.2/44

- sign -0.194 ± 0.000 χ^2/NDF : 8301950710.4/44

yield_bpm12X_rms vs Slug



Right In: 0.035+/-0.000 χ^2/NDF : 641982.3/17

Left Out: 0.035+/-0.000 χ^2/NDF : 612627.1/24

Right Out: 0.037+/-0.000 χ^2/NDF : 860892.5/21

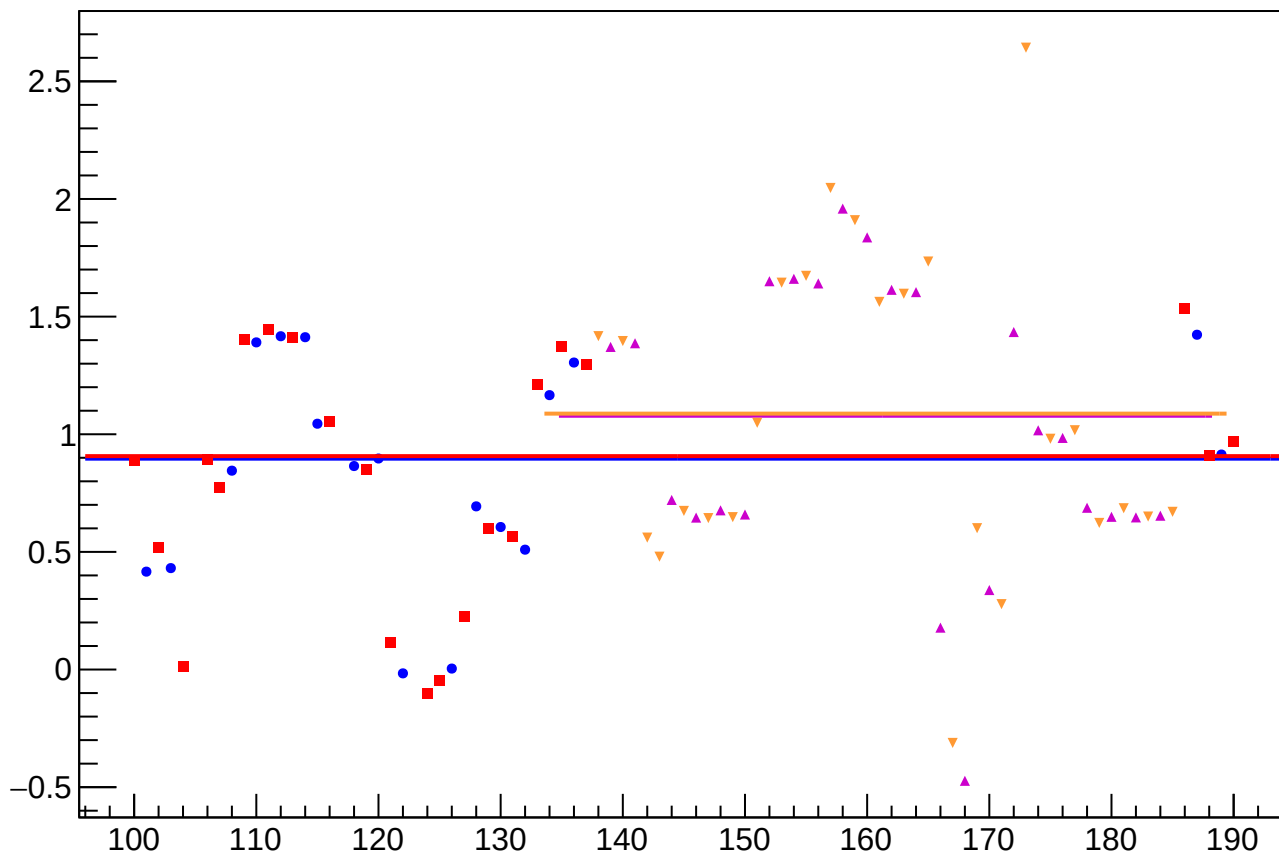
Left In: 0.036+/-0.000 χ^2/NDF : 960383.5/22

+ sign 0.035+/-0.000 χ^2/NDF : 1259618.9/42

All: 0.036+/-0.000 χ^2/NDF : 3124705.3/87

- sign 0.036+/-0.000 χ^2/NDF : 1845120.9/44

yield_bpm12Y_mean vs Slug



Right In: 0.896 $\pm$ 0.000 χ^2 /NDF: 12765096012.7/17

Left Out: 1.088 $\pm$ 0.000 χ^2 /NDF: 93851056436.3/24

Right Out: 0.907 $\pm$ 0.000 χ^2 /NDF: 17917600169.7/21

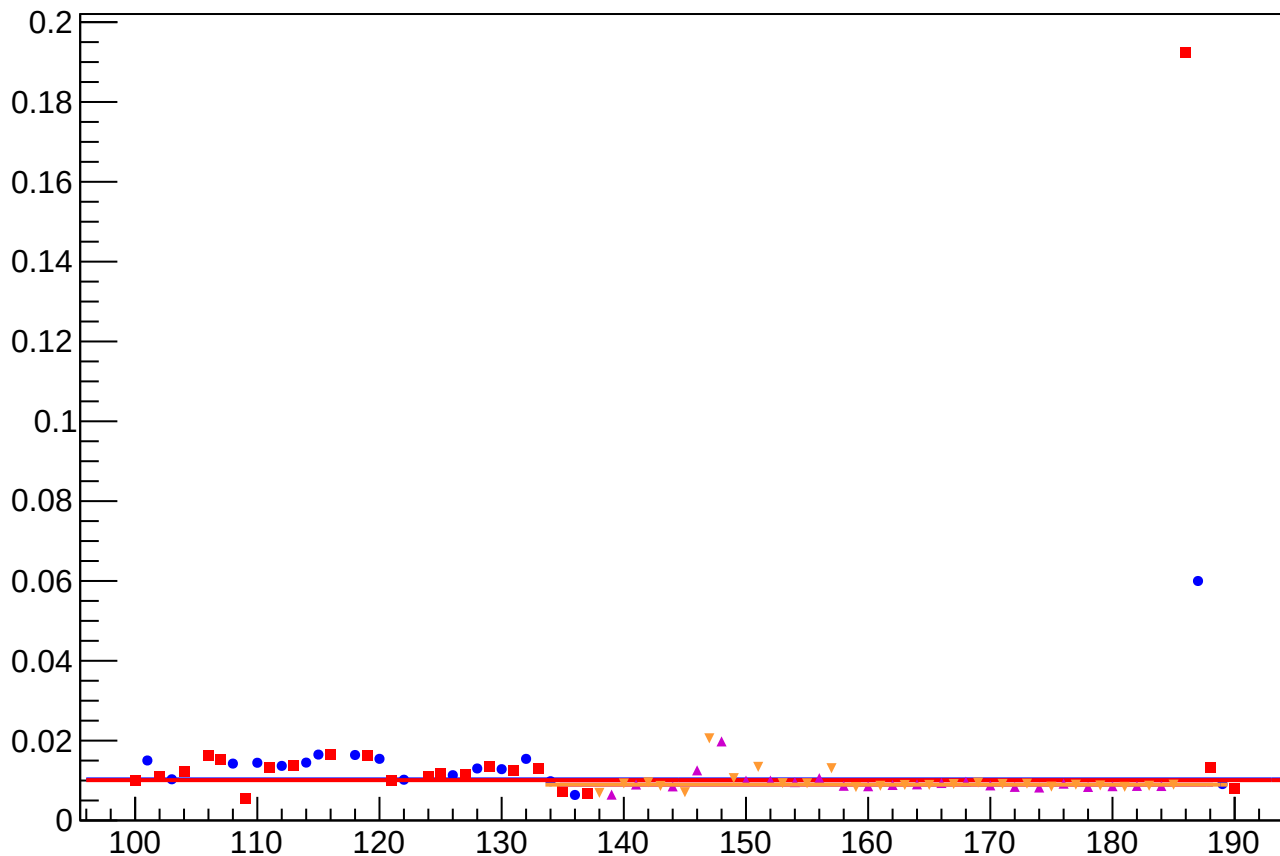
Left In: 1.079 $\pm$ 0.000 χ^2 /NDF: 74081002727.0/22

+ sign 1.047 $\pm$ 0.000 χ^2 /NDF: 108367271702.0/42

All: 1.042 $\pm$ 0.000 χ^2 /NDF: 201917304900.4

- sign 1.036 $\pm$ 0.000 χ^2 /NDF: 93534681299.9/44

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1607547.2/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1146497.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 2136533.3/21

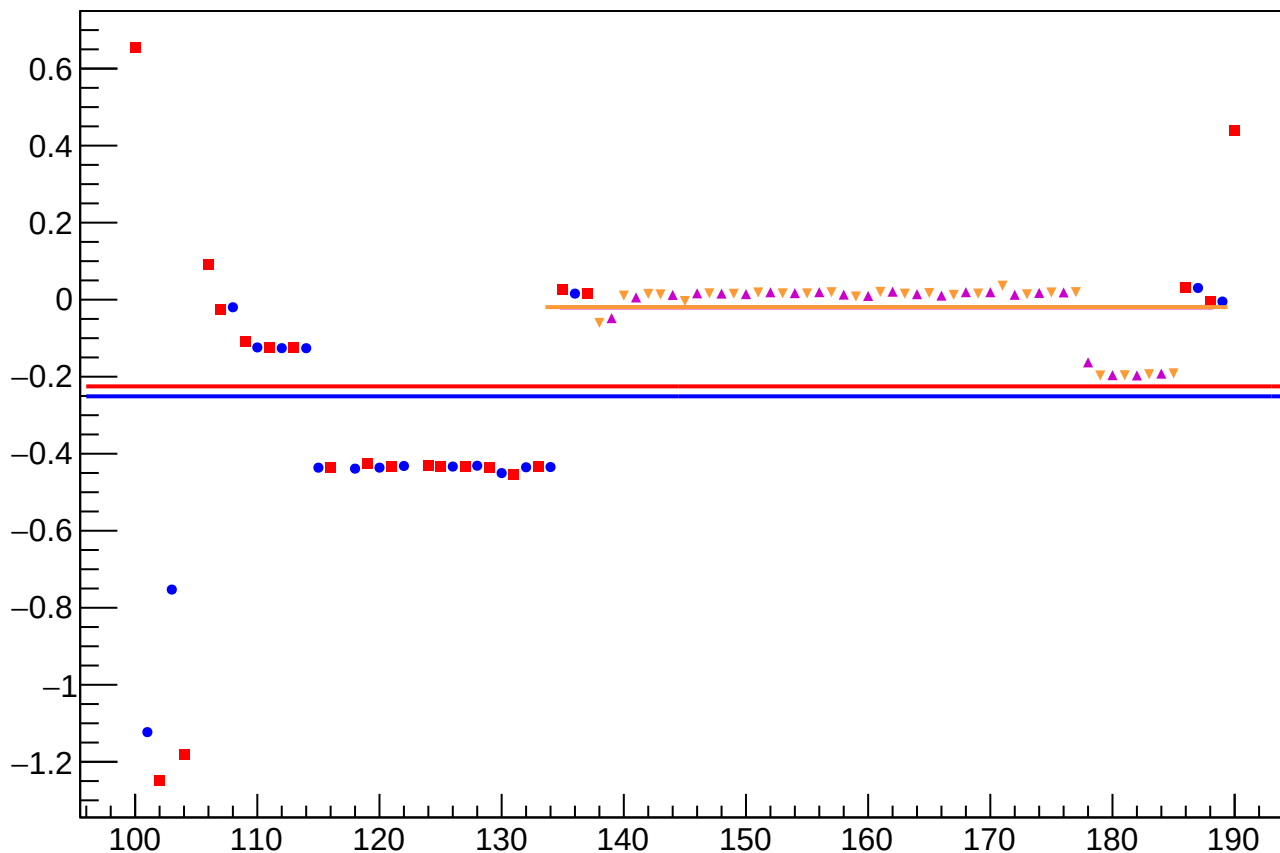
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:966765.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2917664.8/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6159483.0/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3241696.1/44

yield_bpm16X_mean vs Slug



Right In: -0.251 ± 0.000 χ^2/NDF : 2042779196.7/17

Left Out: -0.019 ± 0.000 χ^2/NDF : 1058597672.8/24

Right Out: -0.225 ± 0.000 χ^2/NDF : 1868765822.9/21

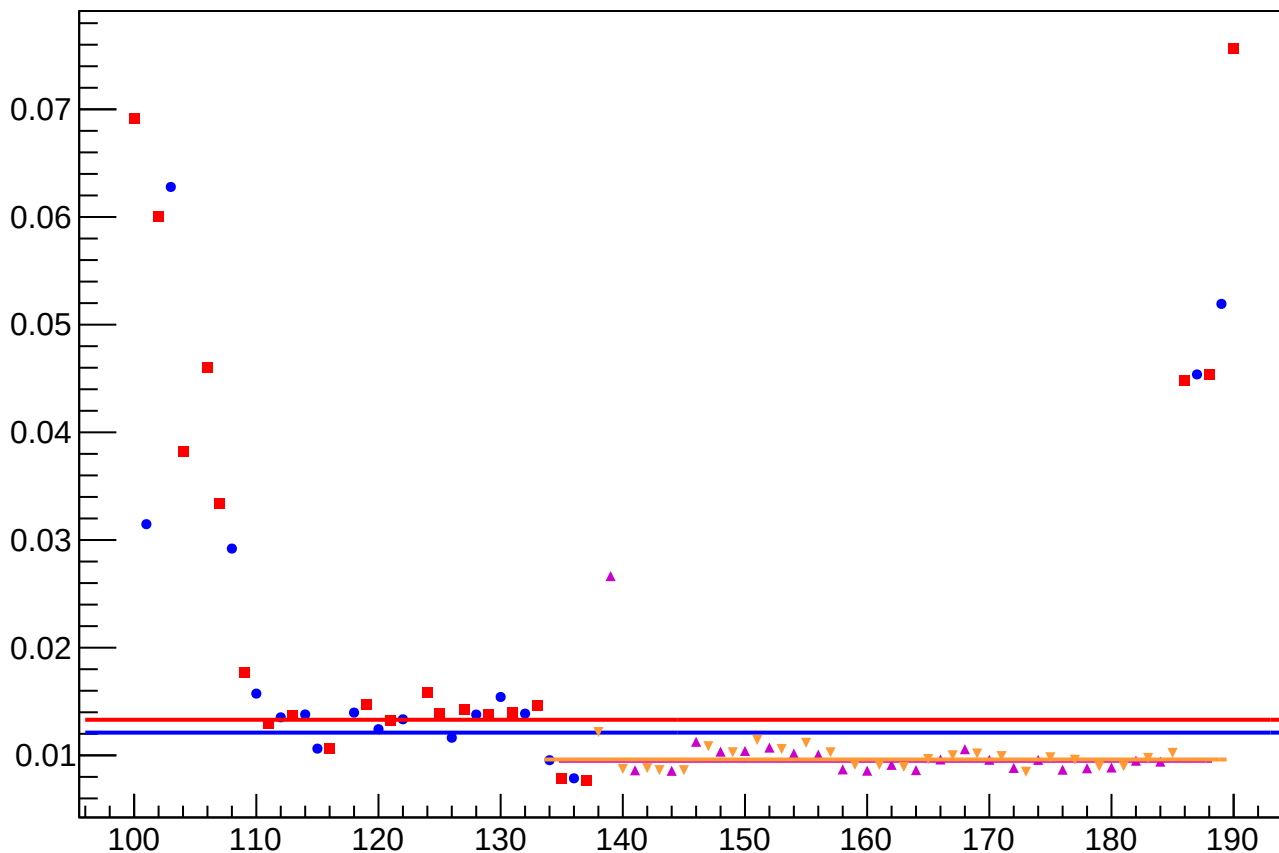
Left In: -0.020 ± 0.000 χ^2/NDF : 984483299.5/22

+ sign -0.058 ± 0.000 χ^2/NDF : 4699454905.1/42

All: -0.056 ± 0.000 χ^2/NDF : 8699400296.7/8

- sign -0.053 ± 0.000 χ^2/NDF : 3997287260.6/44

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 2694657.9/17

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 271912.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 3974320.7/21

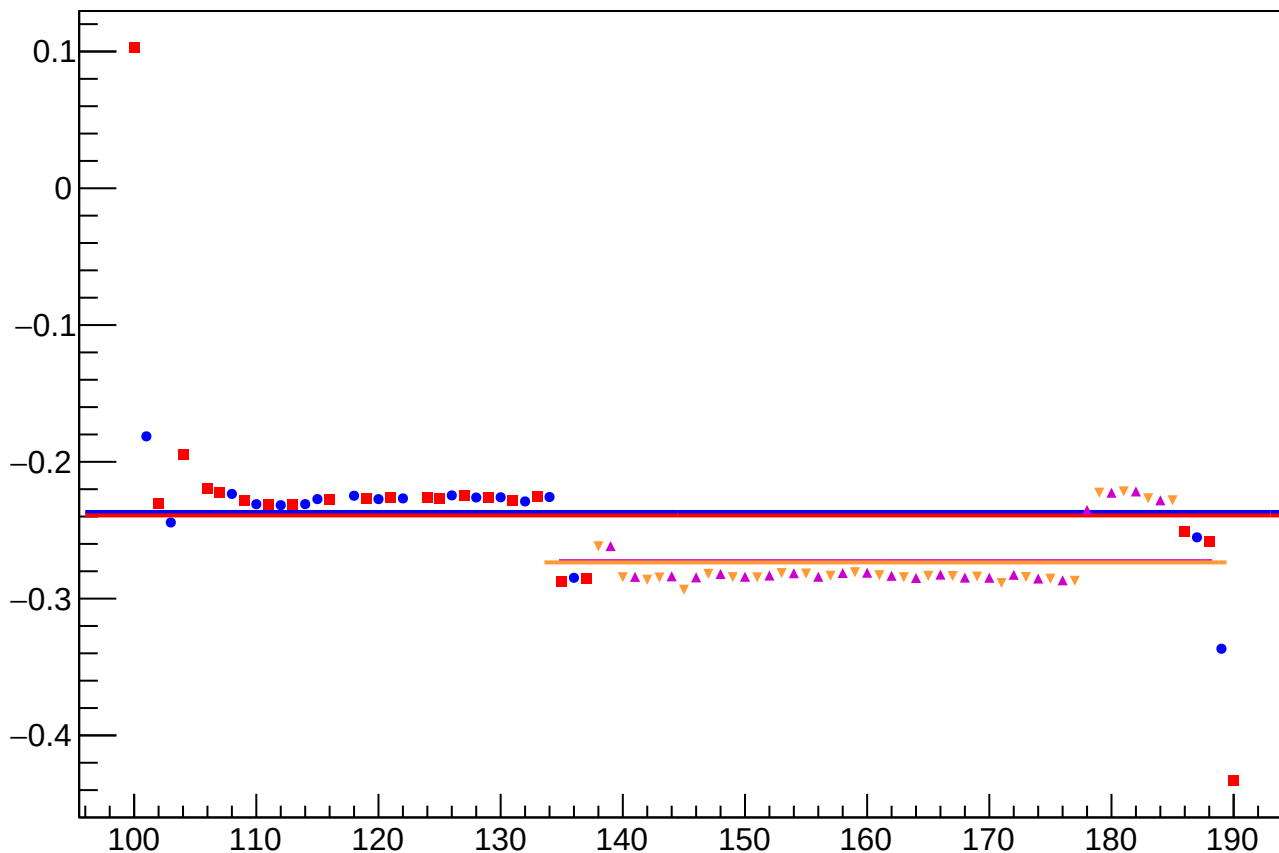
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 900469.0/22

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 3337247.7/42

All: 0.010 $\pm$ 0.000 χ^2/NDF : 9001810.7/87

- sign 0.010 $\pm$ 0.000 χ^2/NDF : 5663342.6/44

yield_bpm16Y_mean vs Slug



Right In: -0.237 $\pm$ 0.000 χ^2 /NDF: 301196851.7/17

Left Out: -0.274 $\pm$ 0.000 χ^2 /NDF: 395563277.1/24

Right Out: -0.239 $\pm$ 0.000 χ^2 /NDF: 658137135.4/21

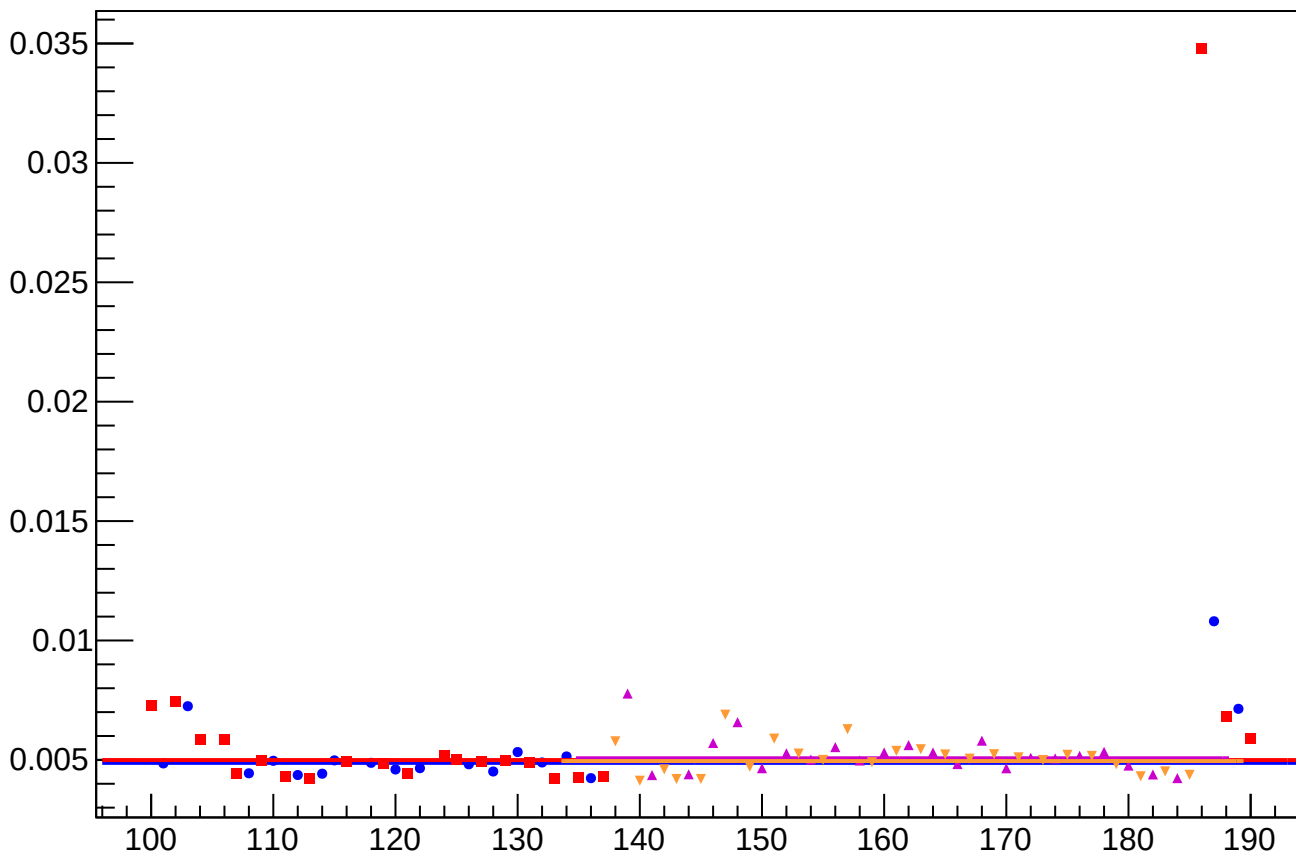
Left In: -0.273 $\pm$ 0.000 χ^2 /NDF: 335149425.2/22

+ sign -0.263 $\pm$ 0.000 χ^2 /NDF: 982868595.5/42

All: -0.262 $\pm$ 0.000 χ^2 /NDF: 2218316300.2/8

- sign -0.262 $\pm$ 0.000 χ^2 /NDF: 1234735062.4/44

yield_bpm16Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 403908.3/17

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:528766.8/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1021646.4/21

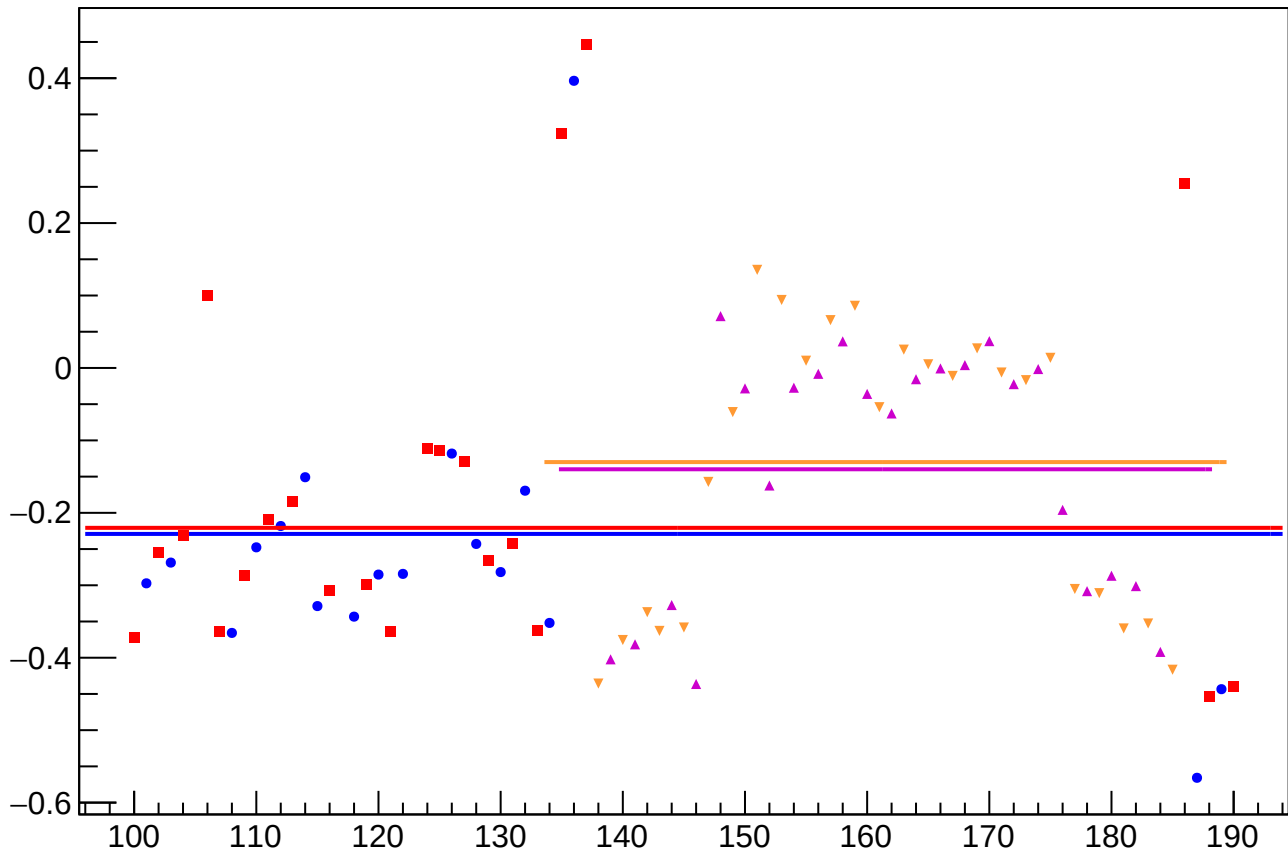
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:539392.8/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 934988.8/42

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2511451.1/87

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1563419.3/44

yield_bpm0i02X_mean vs Slug



Right In: -0.229+/-0.000 χ^2/NDF : 7157958362.6/17

Left Out: -0.130+/-0.000 χ^2/NDF : 21496239338.5/24

Right Out: -0.221+/-0.000 χ^2/NDF : 8521450126.5/21

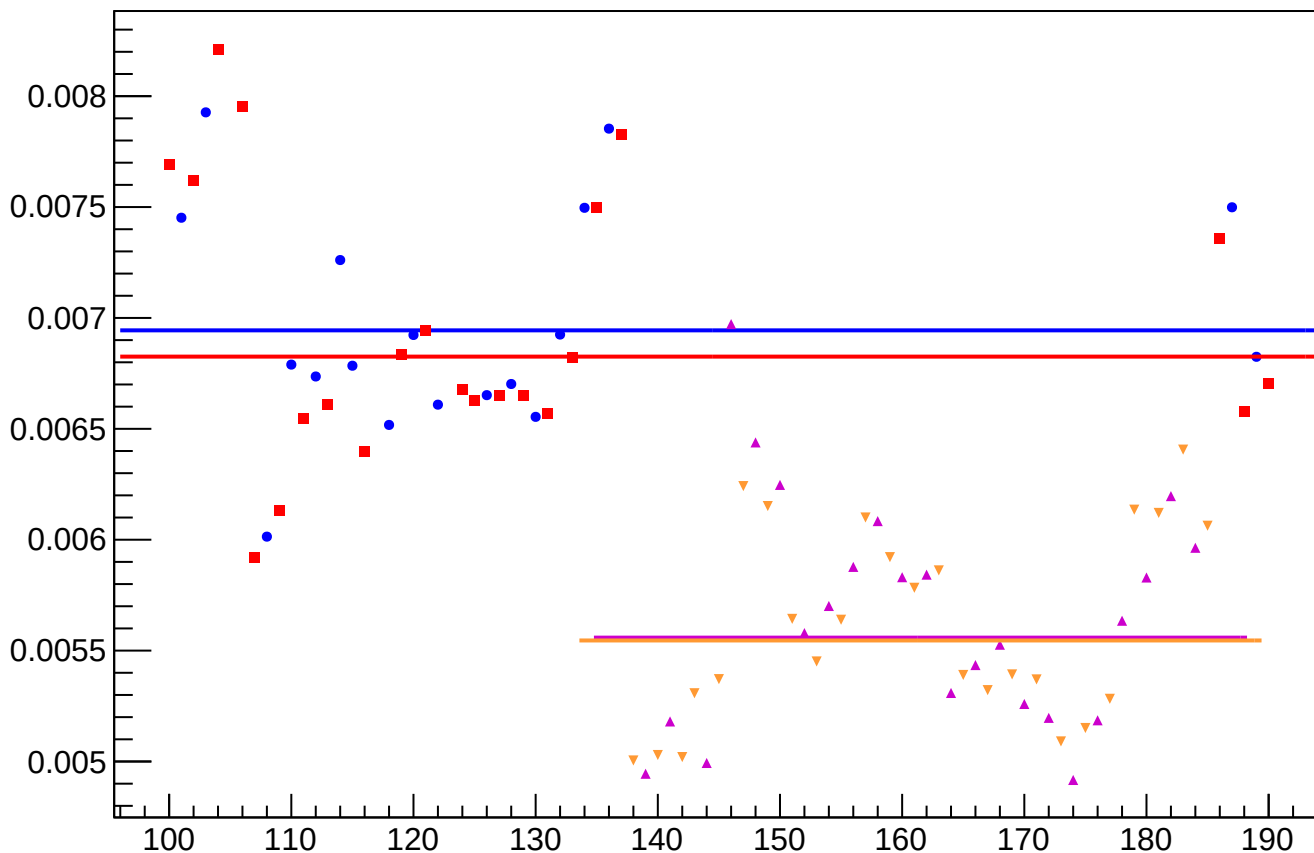
Left In: -0.140+/-0.000 χ^2/NDF : 15148699439.4/22

+ sign -0.151+/-0.000 χ^2/NDF : 29898296844.3/42

All: -0.156+/-0.000 χ^2/NDF : 54531433713.3/44

- sign -0.160+/-0.000 χ^2/NDF : 24599296316.2/44

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 87486.7/17

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 201874.8/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 106972.8/21

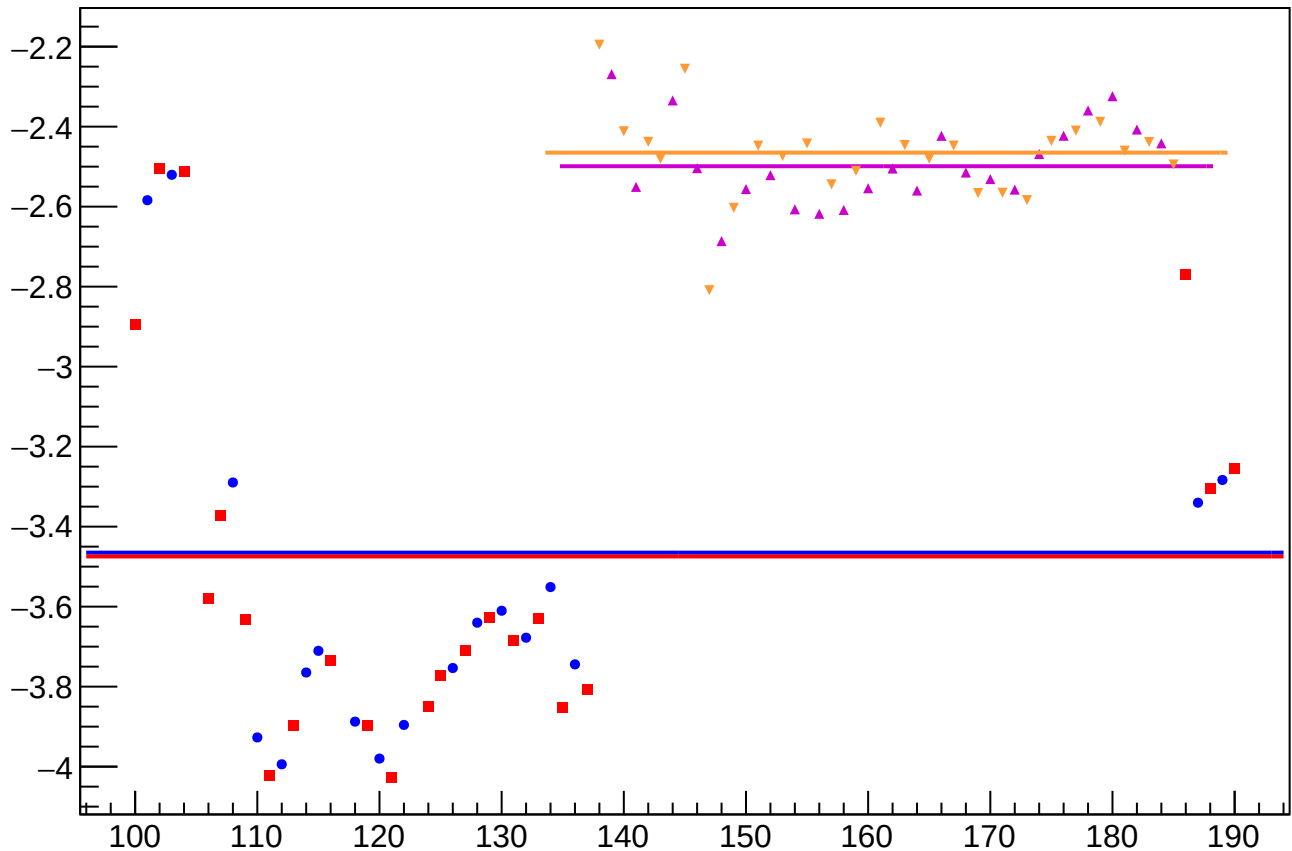
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 260994.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 783987.3/42

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1609769.4/87

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 824658.9/44

yield_bpm0i02Y_mean vs Slug



Right In: -3.465+/-0.000 χ^2/NDF : 29731716152.6/17

Left Out: -2.465+/-0.000 χ^2/NDF : 2167098053.0/24

Right Out: -3.475+/-0.000 χ^2/NDF : 31750992435.6/21

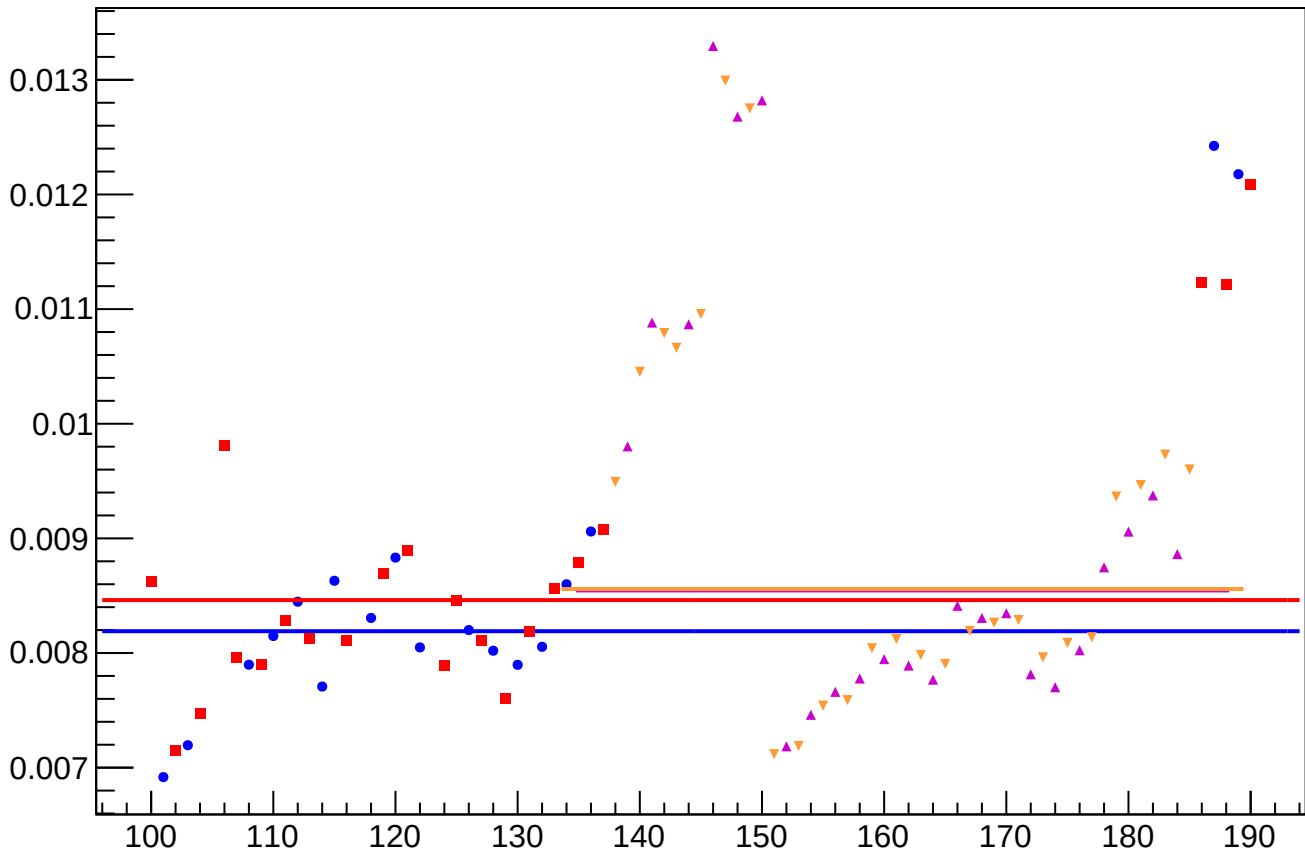
Left In: -2.499+/-0.000 χ^2/NDF : 2273256162.3/22

+ sign -2.780+/-0.000 χ^2/NDF : 109619869568.9/42

All: -2.805+/-0.000 χ^2/NDF : 219988067215.4

- sign -2.831+/-0.000 χ^2/NDF : 109891990892.7/44

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 246279.6/17

Left Out: 0.009+/-0.000 χ^2/NDF :824029.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 317969.1/21

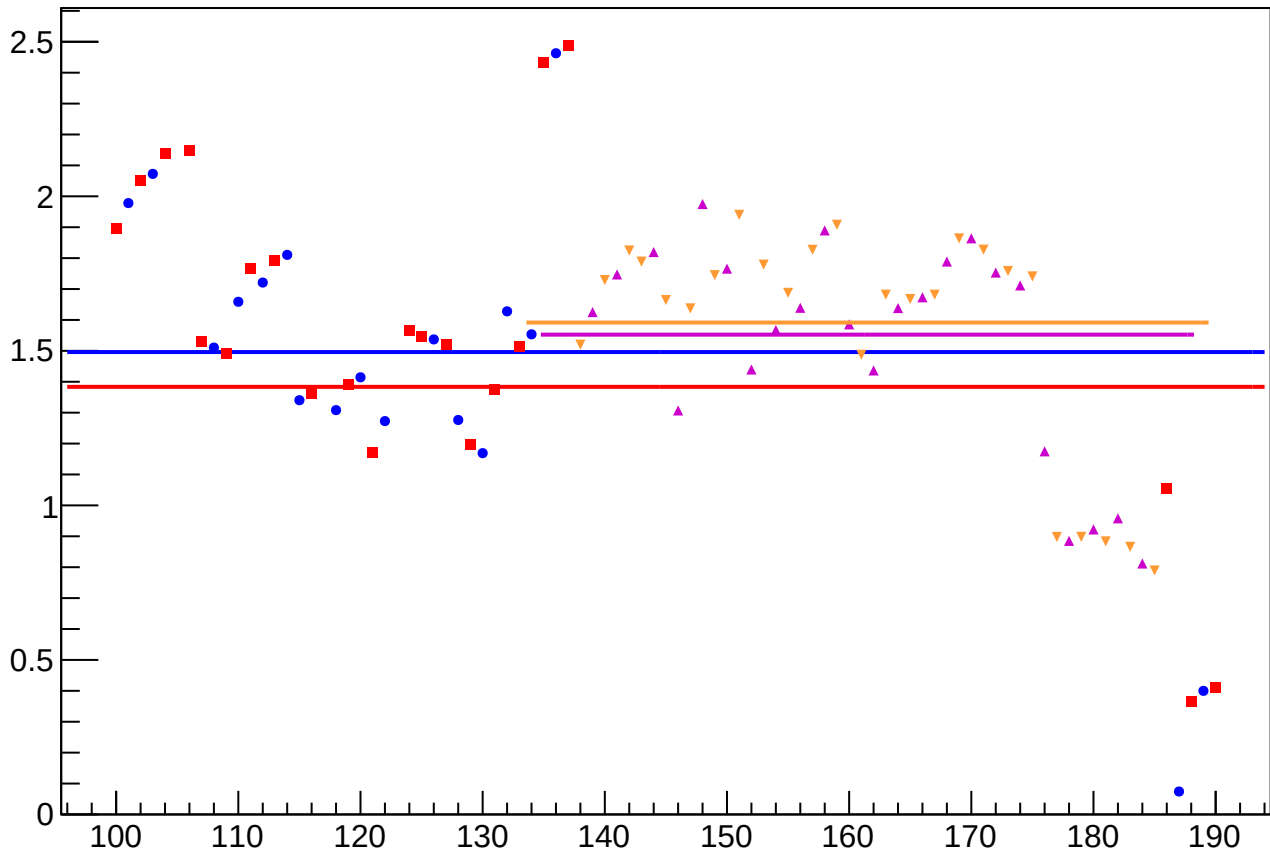
Left In: 0.009+/-0.000 χ^2/NDF :910760.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 1091370.3/42

All: 0.008+/-0.000 χ^2/NDF : 2323230.1/87

- sign 0.009+/-0.000 χ^2/NDF : 1229861.5/44

yield_bpm0i02aX_mean vs Slug



Right In: 1.496 $\pm$ 0.000 χ^2 /NDF: 15885841264.0/17

Left Out: 1.592 $\pm$ 0.000 χ^2 /NDF: 17078853061.6/24

Right Out: 1.384 $\pm$ 0.000 χ^2 /NDF: 22426944150.9/21

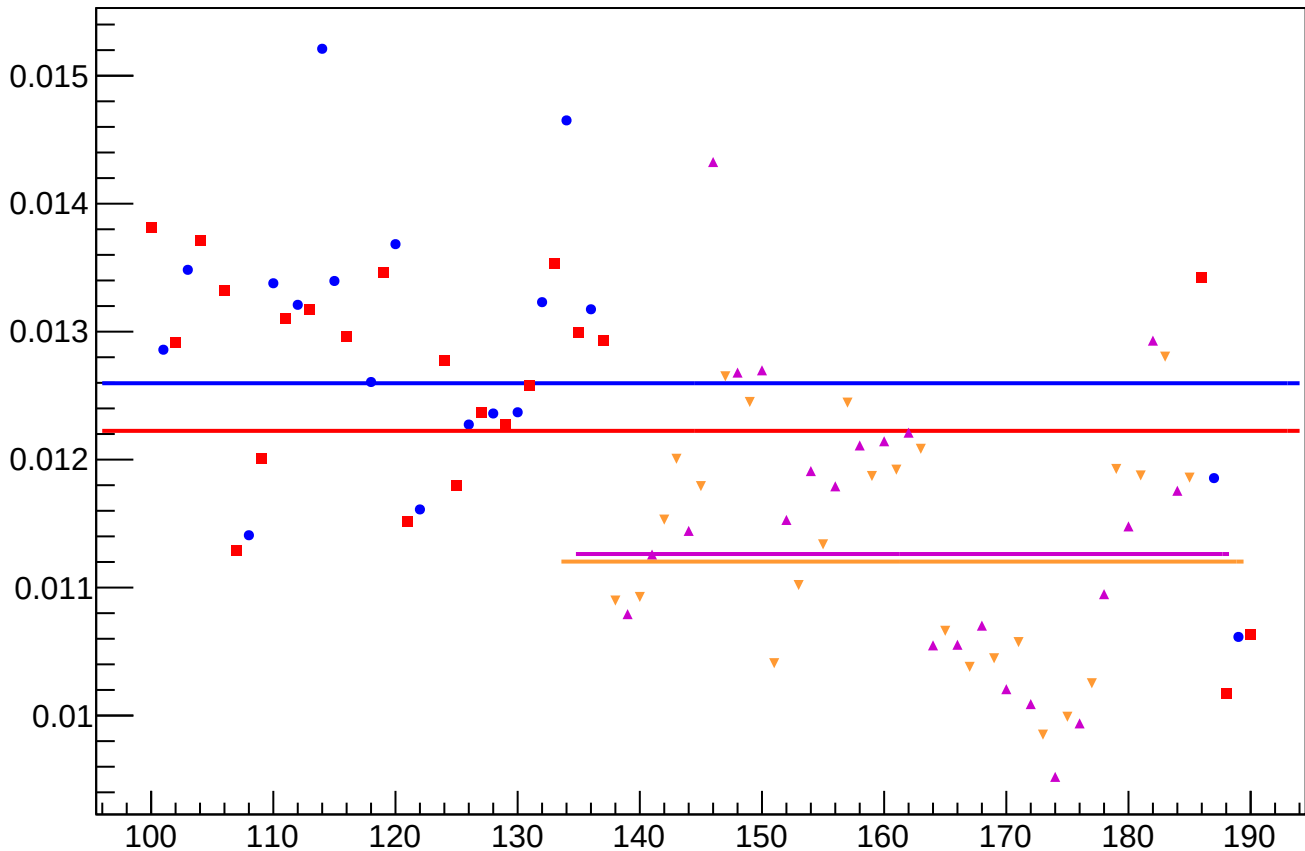
Left In: 1.552 $\pm$ 0.000 χ^2 /NDF: 14055987405.9/22

+ sign 1.568 $\pm$ 0.000 χ^2 /NDF: 33297011310.8/42

All: 1.535 $\pm$ 0.000 χ^2 /NDF: 71387216242.4/8

- sign 1.501 $\pm$ 0.000 χ^2 /NDF: 37658731688.0/44

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 94867.0/17

Left Out: 0.011+/-0.000 χ^2/NDF : 223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF : 159934.3/21

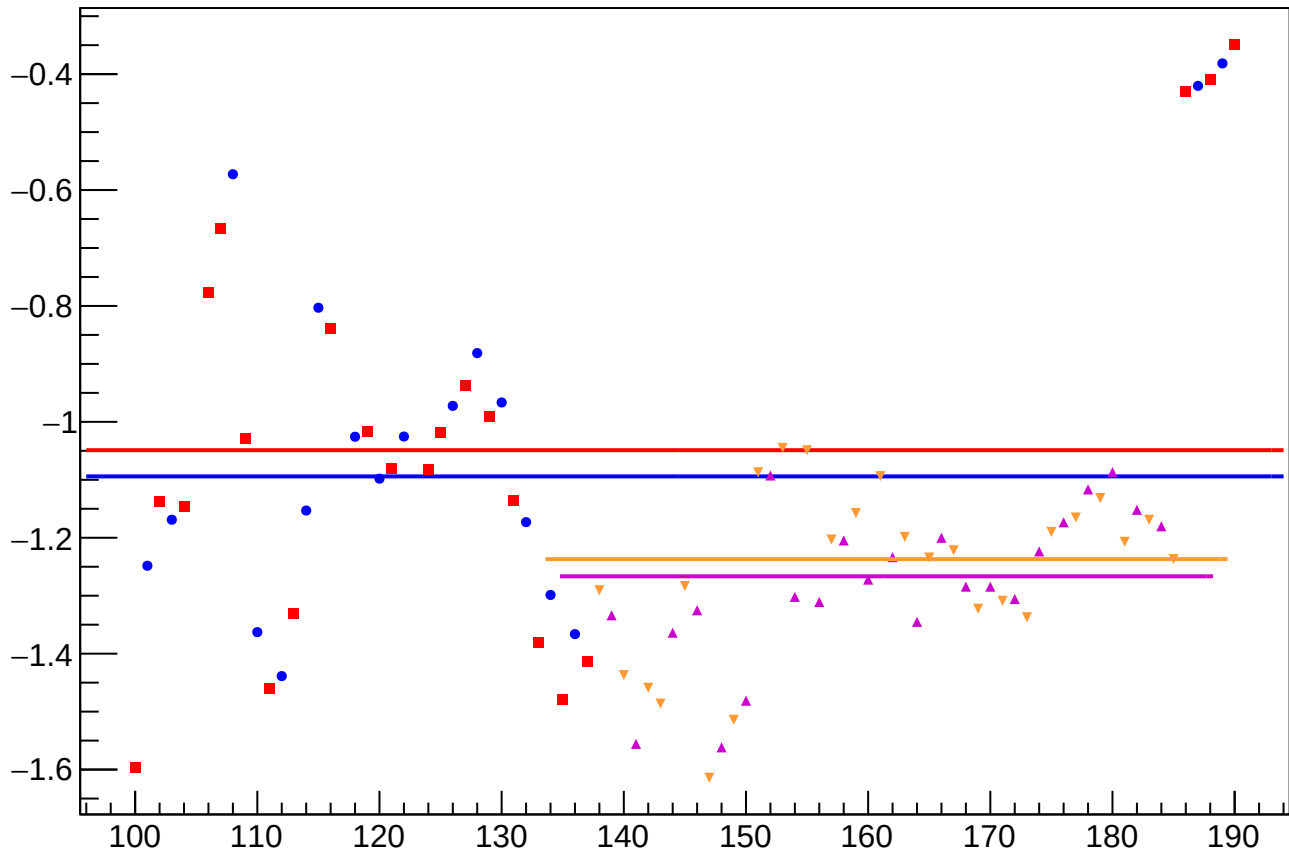
Left In: 0.011+/-0.000 χ^2/NDF : 311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF : 460138.7/42

All: 0.012+/-0.000 χ^2/NDF : 1008058.7/87

- sign 0.012+/-0.000 χ^2/NDF : 547917.2/44

yield_bpm0i02aY_mean vs Slug



Right In: -1.094 ± 0.000 χ^2/NDF : 6194983343.8/17

Left Out: -1.237 ± 0.000 χ^2/NDF : 4972272024.7/24

Right Out: -1.049 ± 0.000 χ^2/NDF : 9604216396.7/21

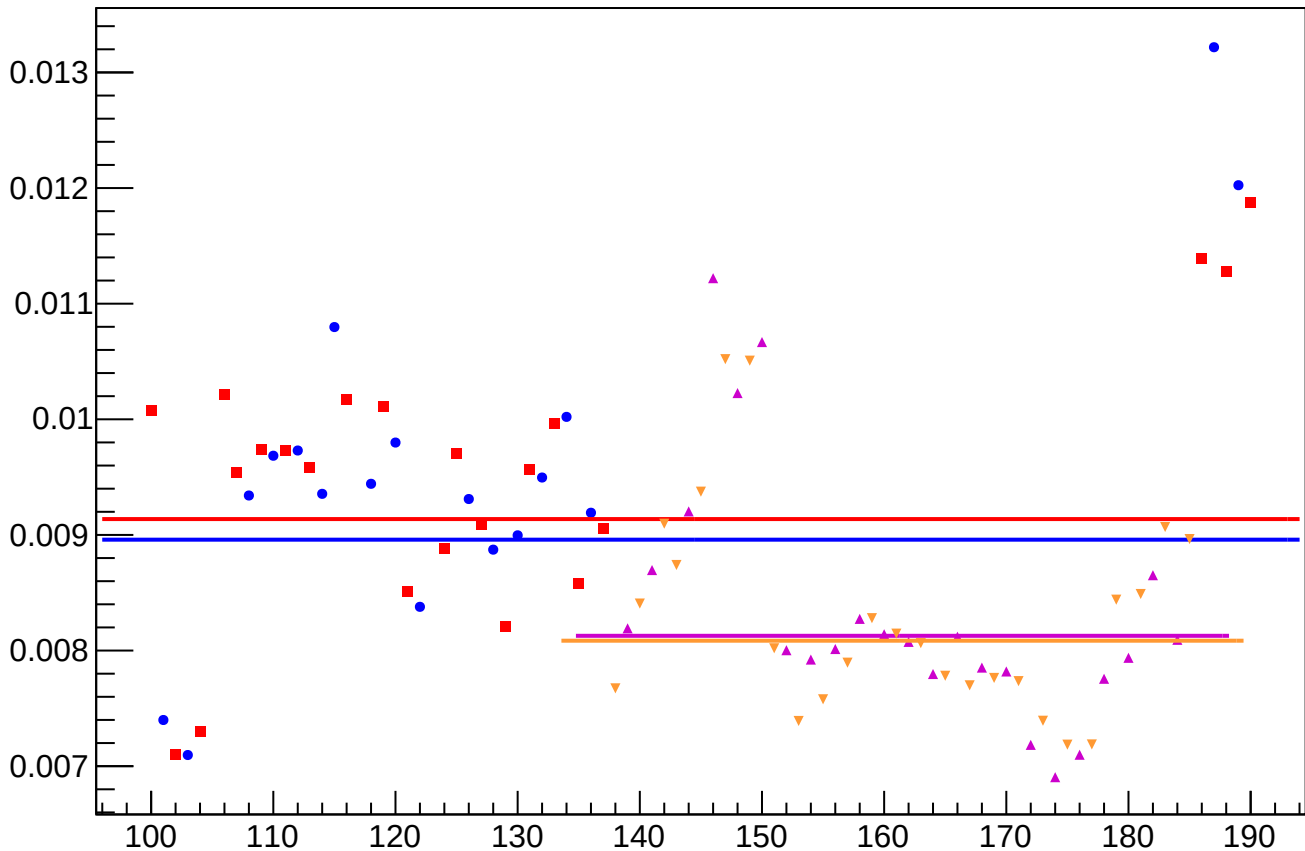
Left In: -1.267 ± 0.000 χ^2/NDF : 3674801511.3/22

+ sign -1.201 ± 0.000 χ^2/NDF : 12589003932.5/42

All: -1.203 ± 0.000 χ^2/NDF : 29338231969.0/177

- sign -1.205 ± 0.000 χ^2/NDF : 16746004931.3/44

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 283345.8/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:326825.0/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 356316.1/21

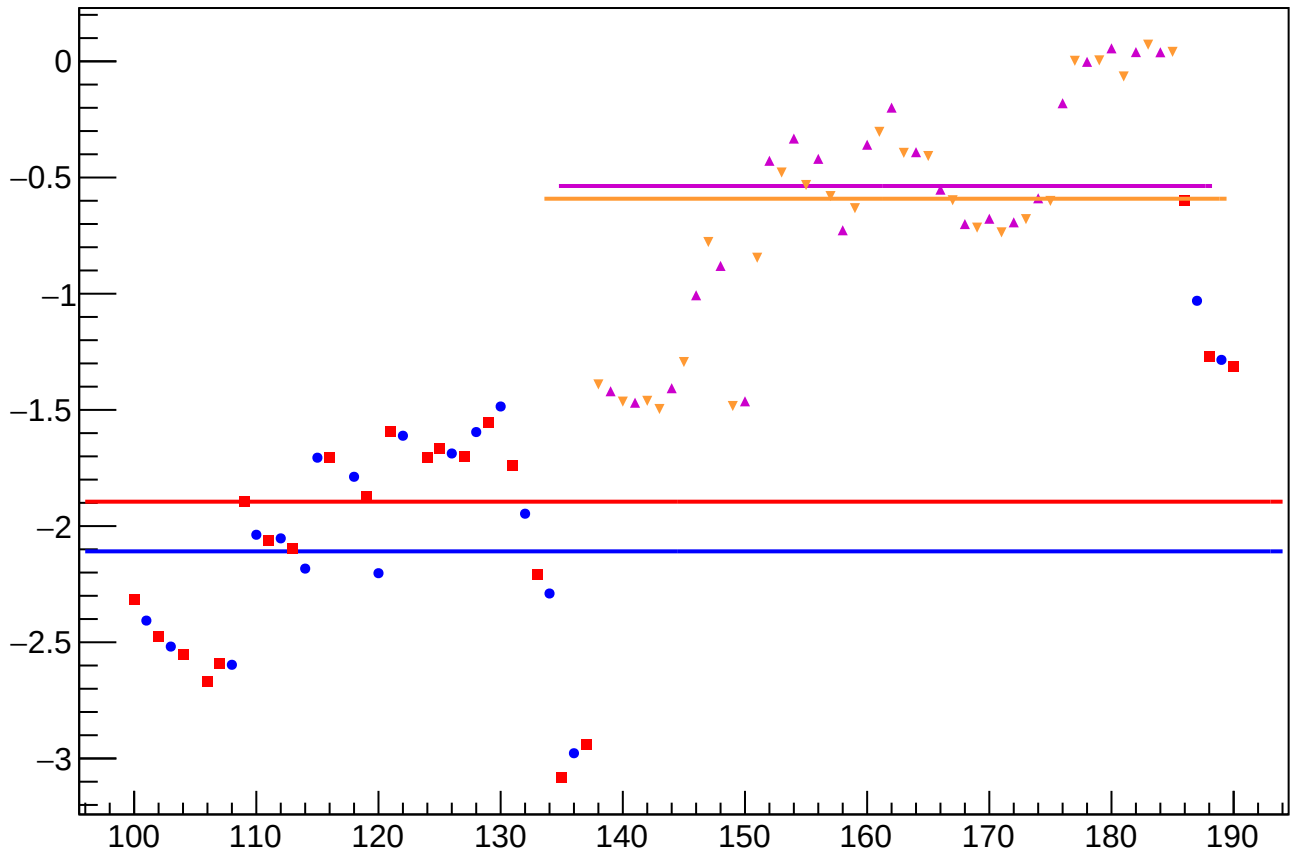
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:409030.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 716700.1/42

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1635495.4/87

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 914609.6/44

yield_bpm0i05X_mean vs Slug



Right In: -2.109+/-0.000 χ^2/NDF : 32000204772.2/17

Left Out: -0.591+/-0.000 χ^2/NDF : 72678844667.5/24

Right Out: -1.895+/-0.000 χ^2/NDF : 61733355210.9/21

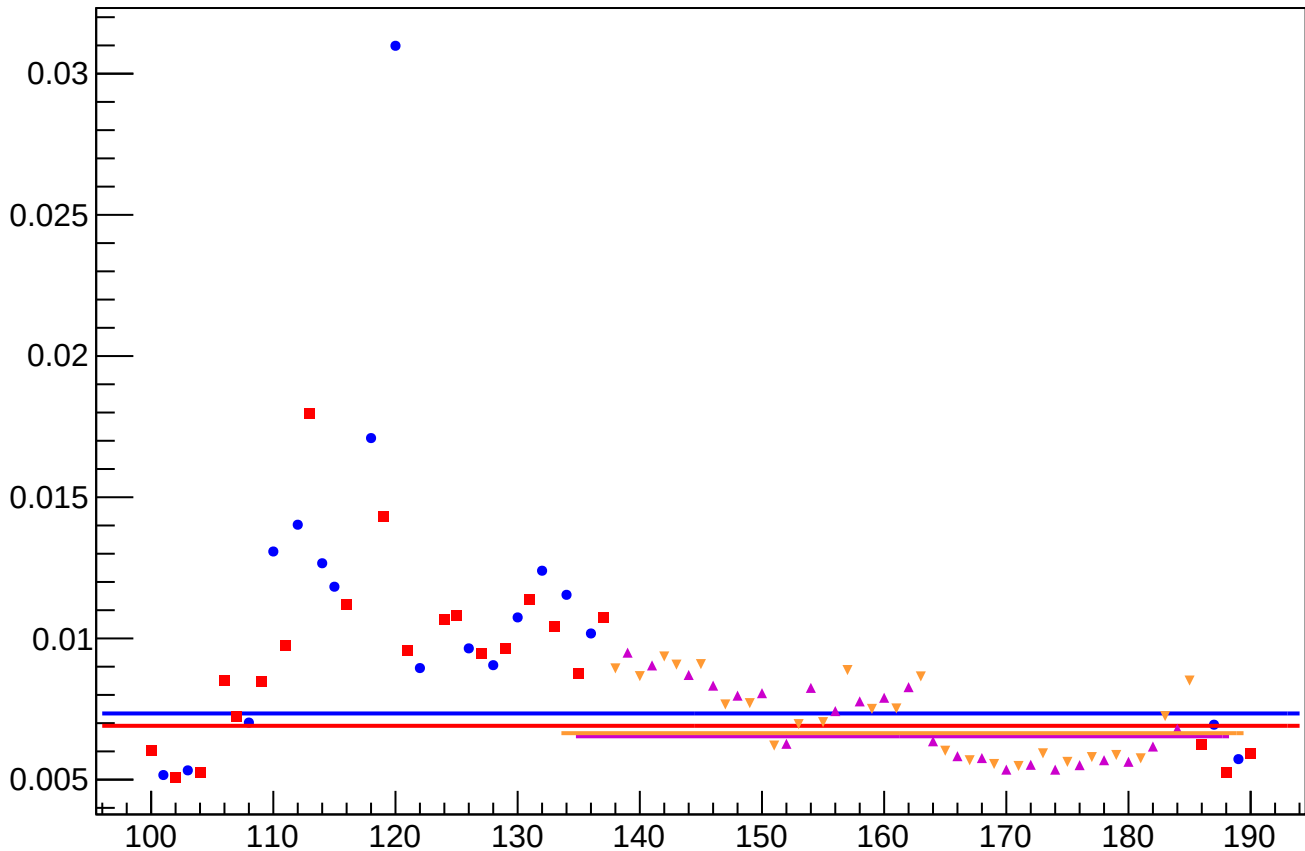
Left In: -0.536+/-0.000 χ^2/NDF : 70168781562.6/22

+ sign -0.921+/-0.000 χ^2/NDF : 294593116497.8/42

All: -0.920+/-0.000 χ^2/NDF : 619644130871.7

- sign -0.919+/-0.000 χ^2/NDF : 325050225673.6/44

yield_bpm0i05X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 1803911.2/17

Left Out: 0.007+/-0.000 χ^2/NDF : 1091920.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1620123.0/21

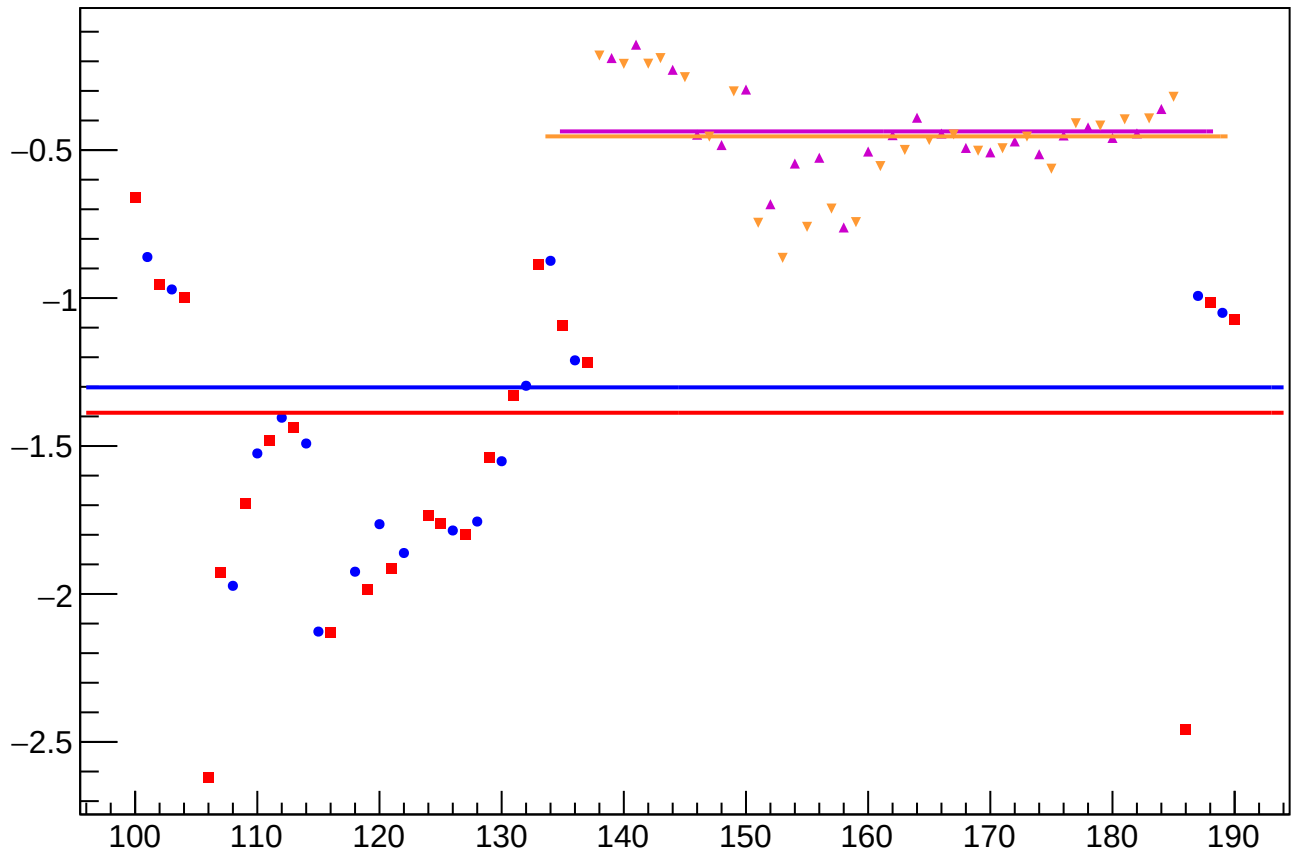
Left In: 0.007+/-0.000 χ^2/NDF : 1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 2976266.4/42

All: 0.007+/-0.000 χ^2/NDF : 5788758.8/87

- sign 0.007+/-0.000 χ^2/NDF : 2800064.4/44

yield_bpm0i05Y_mean vs Slug



Right In: -1.302+/-0.000 χ^2/NDF : 23935568308.2/17

Left Out: -0.454+/-0.000 χ^2/NDF : 29096412438.0/24

Right Out: -1.388+/-0.000 χ^2/NDF : 63292193877.2/21

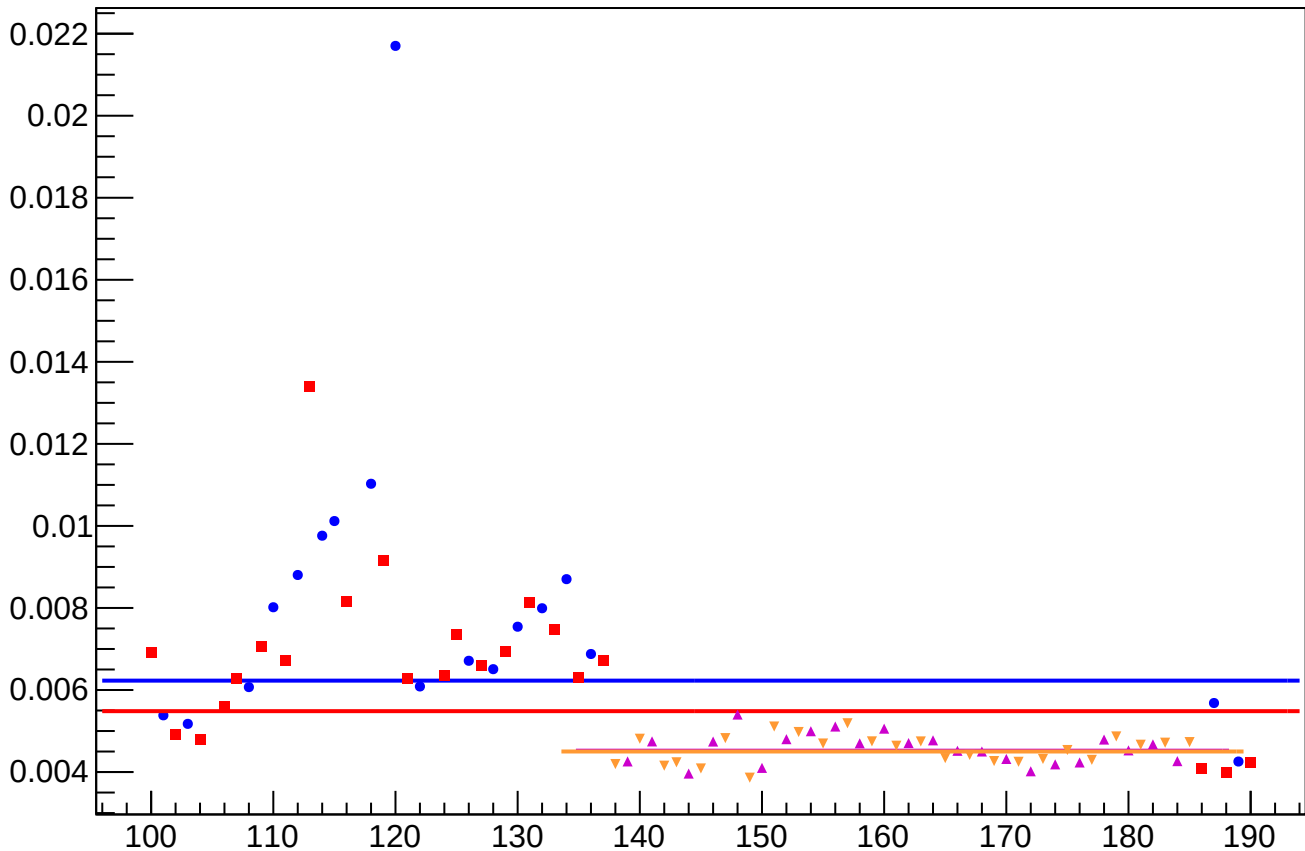
Left In: -0.437+/-0.000 χ^2/NDF : 16544160360.6/22

+ sign -0.586+/-0.000 χ^2/NDF : 150951223867.6/42

All: -0.622+/-0.000 χ^2/NDF : 403141699267.1

- sign -0.656+/-0.000 χ^2/NDF : 249658030412.9/44

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 935223.6/17

Left Out: 0.005+/-0.000 χ^2/NDF :189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1126176.0/21

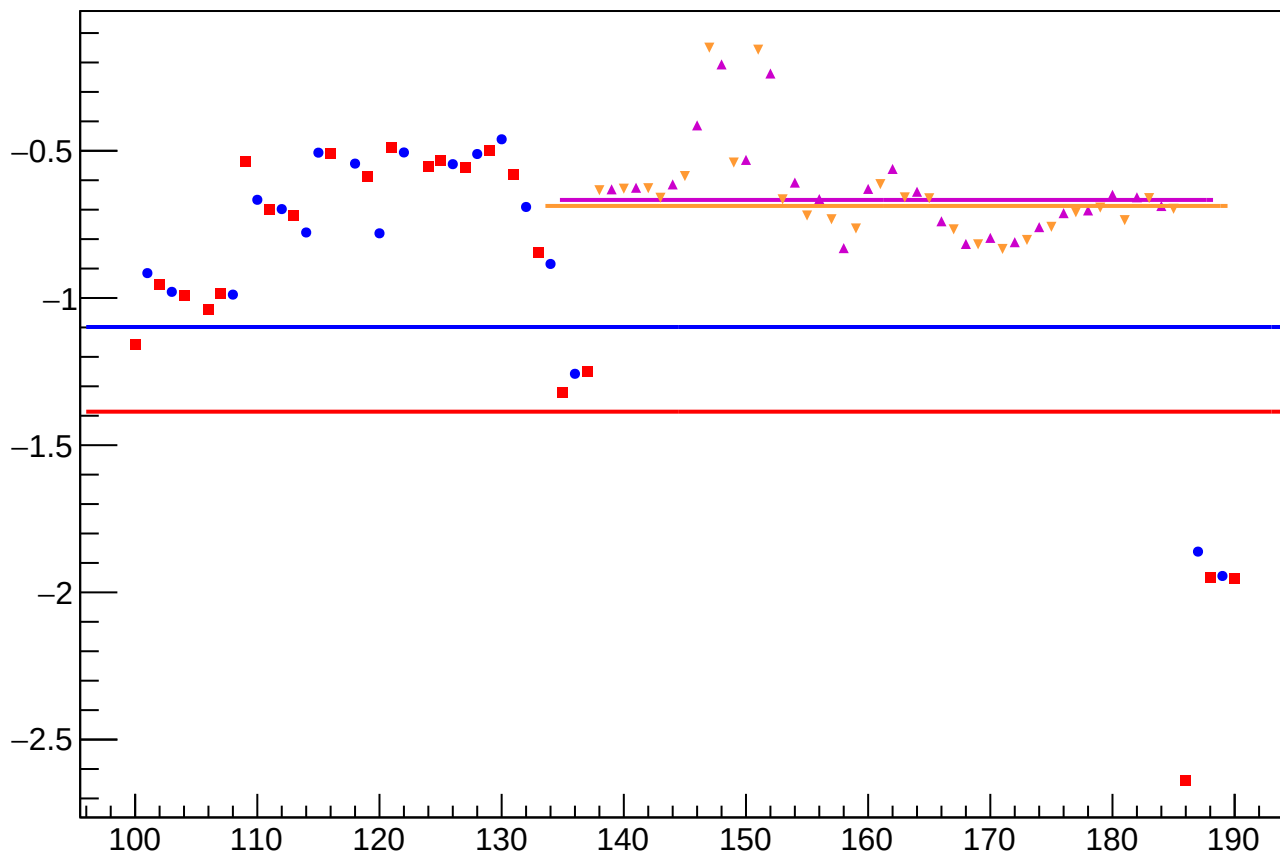
Left In: 0.005+/-0.000 χ^2/NDF :212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1936786.2/42

All: 0.005+/-0.000 χ^2/NDF : 3624799.2/87

- sign 0.005+/-0.000 χ^2/NDF : 1687158.3/44

yield_bpm0i07X_mean vs Slug



Right In: -1.099+/-0.000 χ^2 /NDF: 68643113953.9/17

Left Out: -0.687+/-0.000 χ^2 /NDF:22462821855.7/24

Right Out: -1.386+/-0.000 χ^2 /NDF: 177228524318.2/21

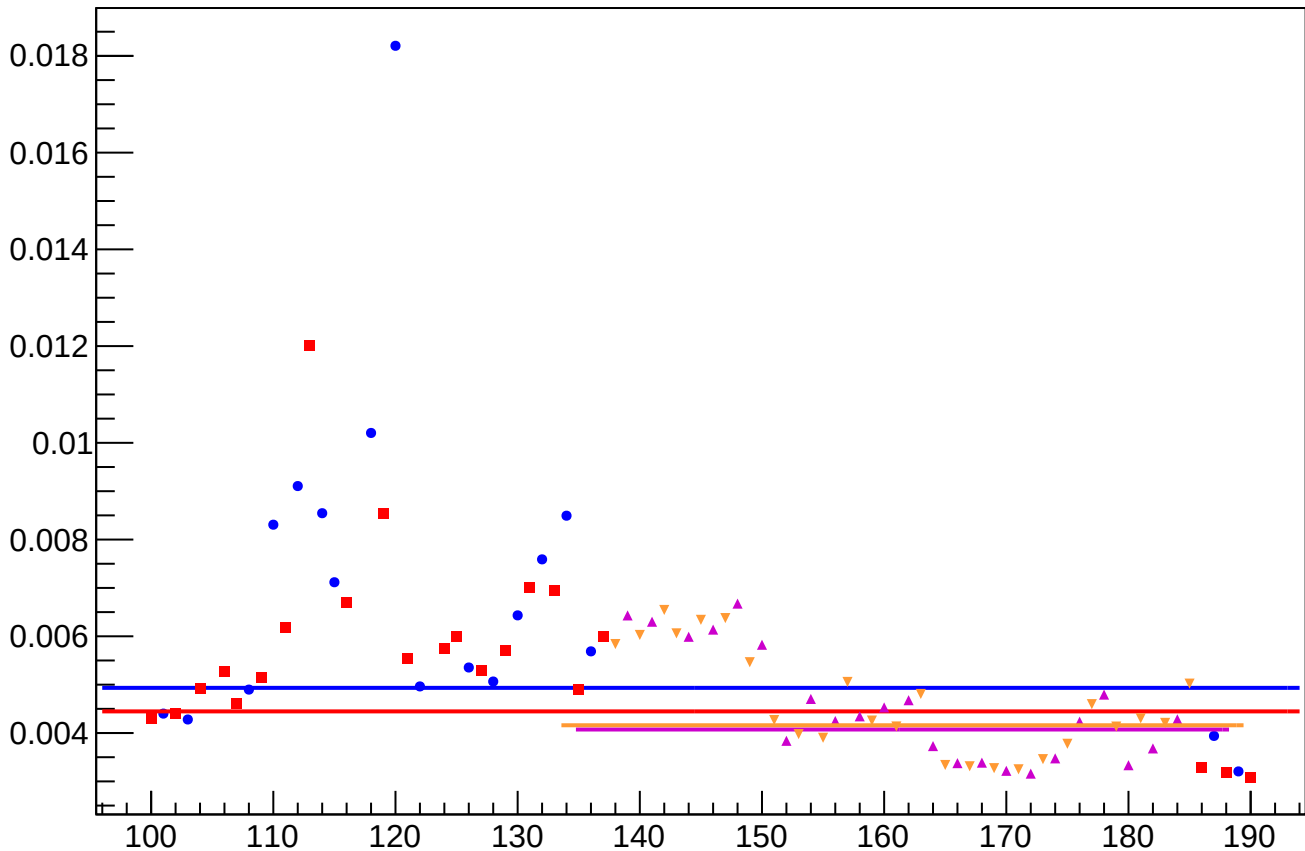
Left In: -0.667+/-0.000 χ^2 /NDF:22531477329.1/22

+ sign -0.771+/-0.000 χ^2 /NDF: 124254484484.1/42

All: -0.820+/-0.000 χ^2 /NDF: 465833558255.2

- sign -0.866+/-0.000 χ^2 /NDF: 335902517118.4/44

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1386398.9/17

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1520055.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1435001.2/21

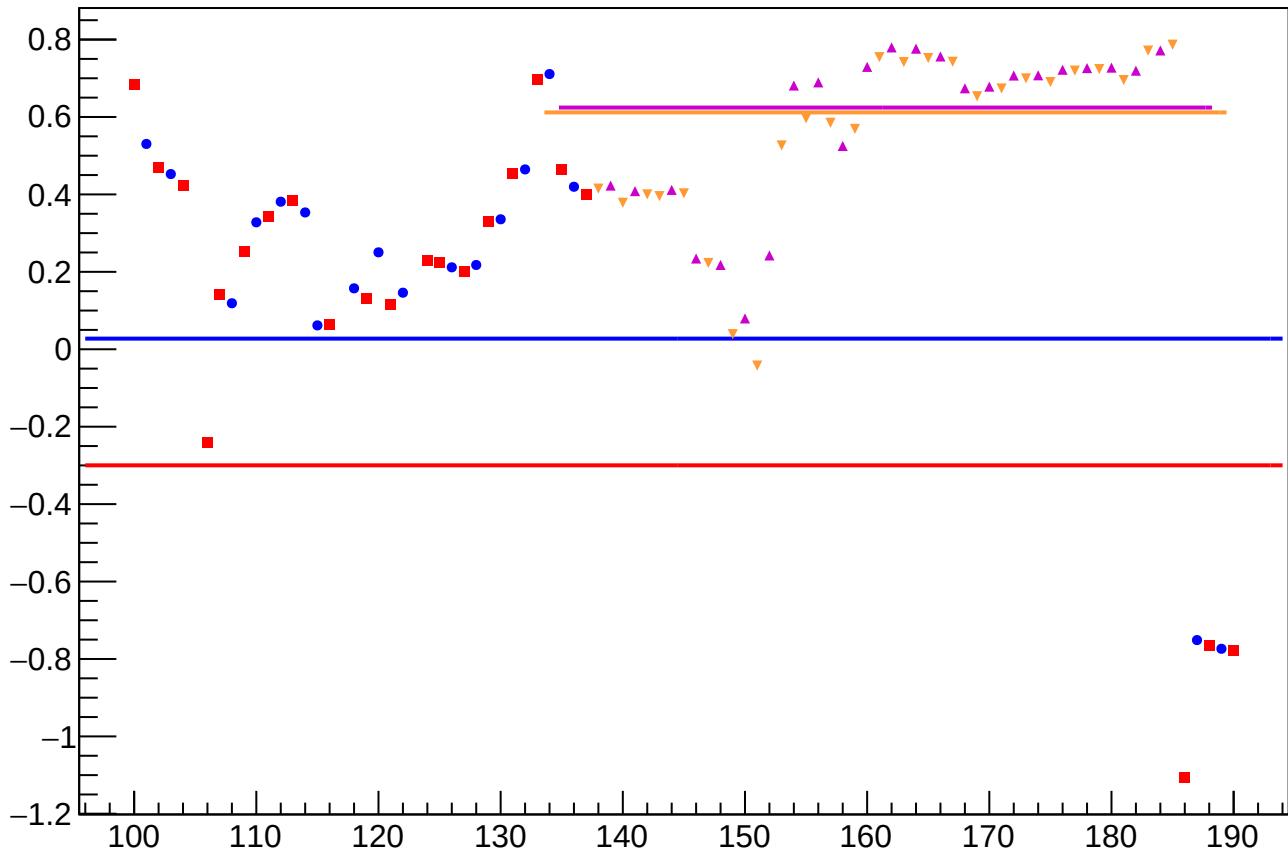
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1750303.9/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3140983.8/42

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6425305.0/87

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3259138.3/44

yield_bpm0i07Y_mean vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 147084726026.1/17

Left Out: 0.612 $\pm$ 0.000 χ^2 /NDF: 45742599949.2/24

Right Out: -0.300 $\pm$ 0.000 χ^2 /NDF: 322685687998.3/21

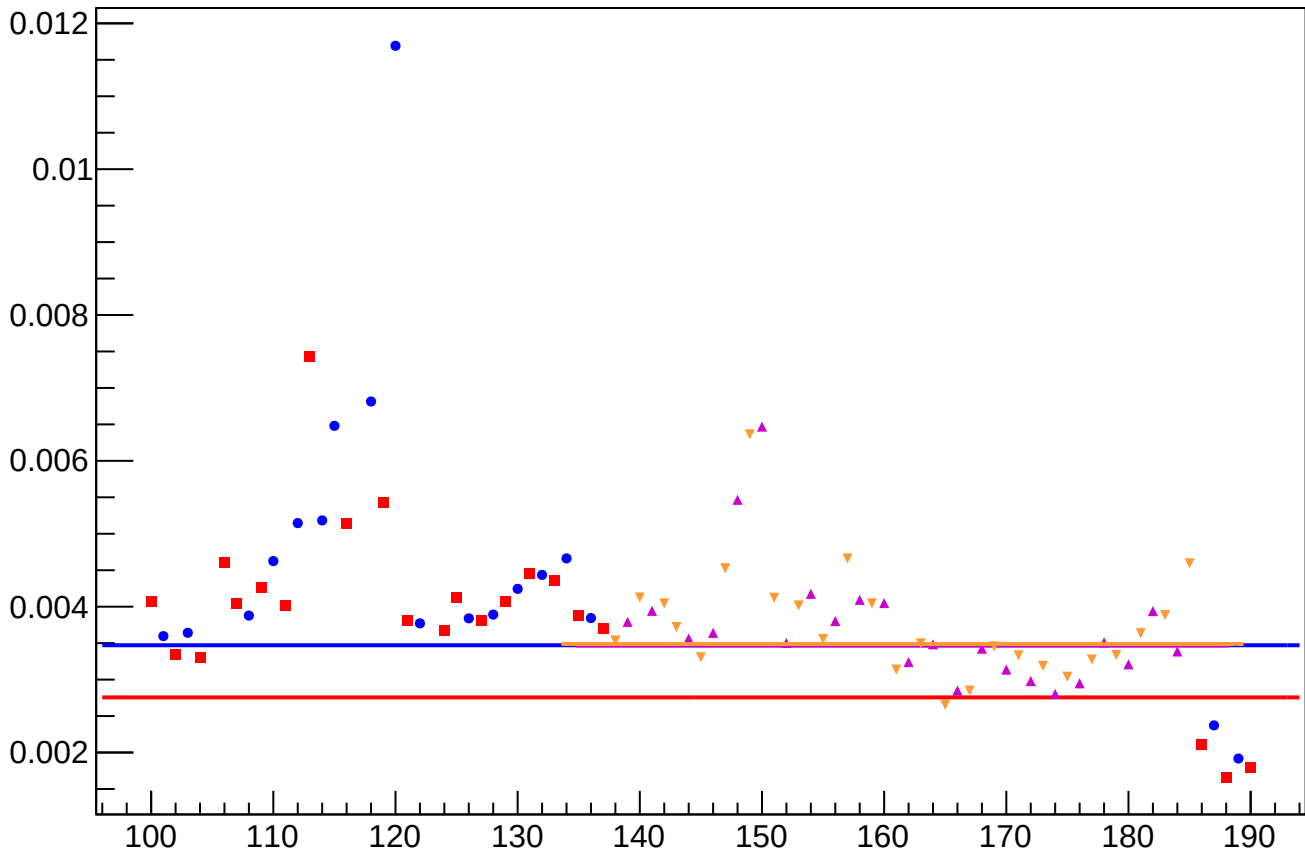
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF: 40353141115.4/22

+ sign 0.447 $\pm$ 0.000 χ^2 /NDF: 319972515200.7/42

All: 0.335 $\pm$ 0.000 χ^2 /NDF: 1175572133418.

- sign 0.240 $\pm$ 0.000 χ^2 /NDF: 813054413381.6/44

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1456639.7/17

Left Out: 0.003+/-0.000 χ^2/NDF :850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 2525463.6/21

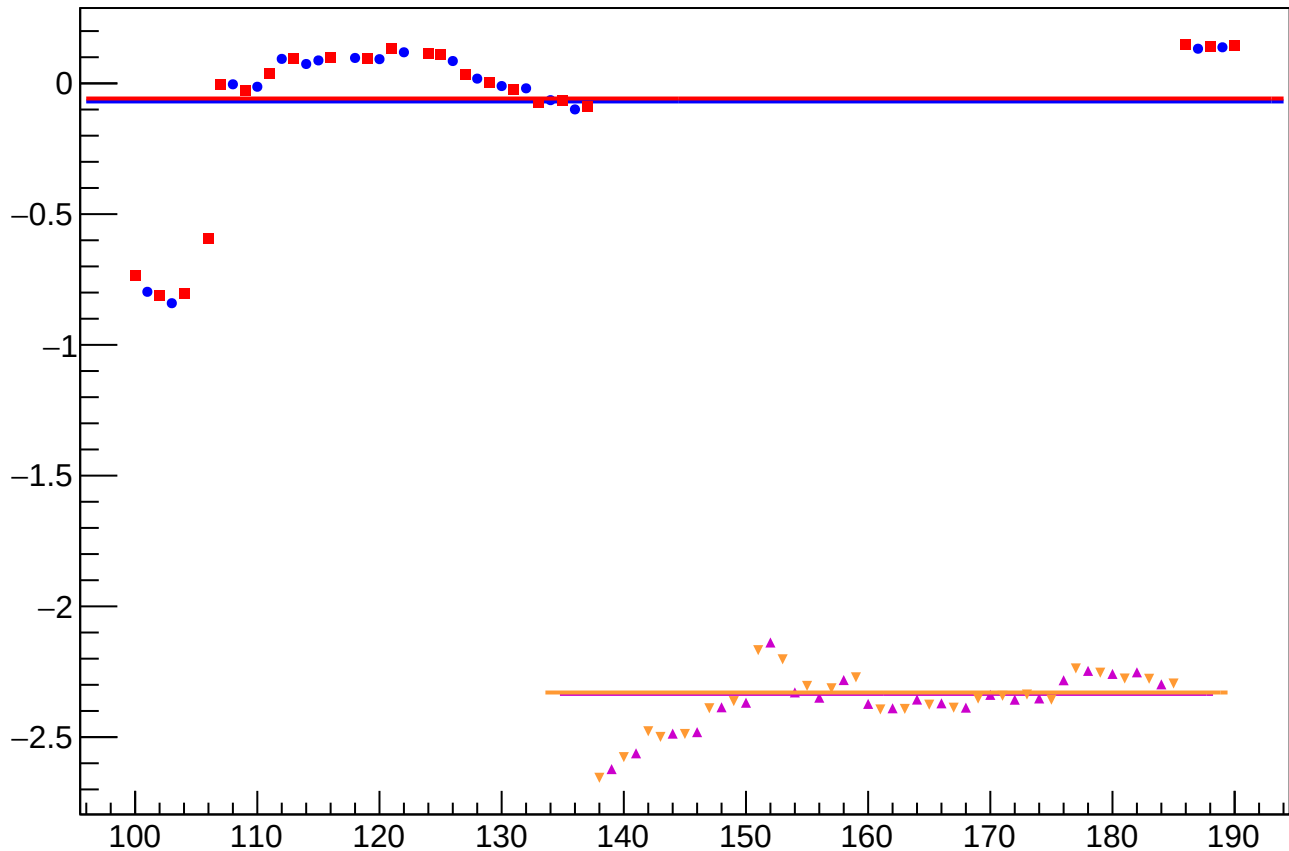
Left In: 0.003+/-0.000 χ^2/NDF :894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 2307597.2/42

All: 0.003+/-0.000 χ^2/NDF : 6453505.1/87

- sign 0.003+/-0.000 χ^2/NDF : 3952122.0/44

yield_bpm1i02X_mean vs Slug



Right In: -0.069+/-0.000 χ^2/NDF : 5841743548.1/17

Left Out: -2.329+/-0.000 χ^2/NDF : 1982733526.8/24

Right Out: -0.058+/-0.000 χ^2/NDF : 7100856833.6/21

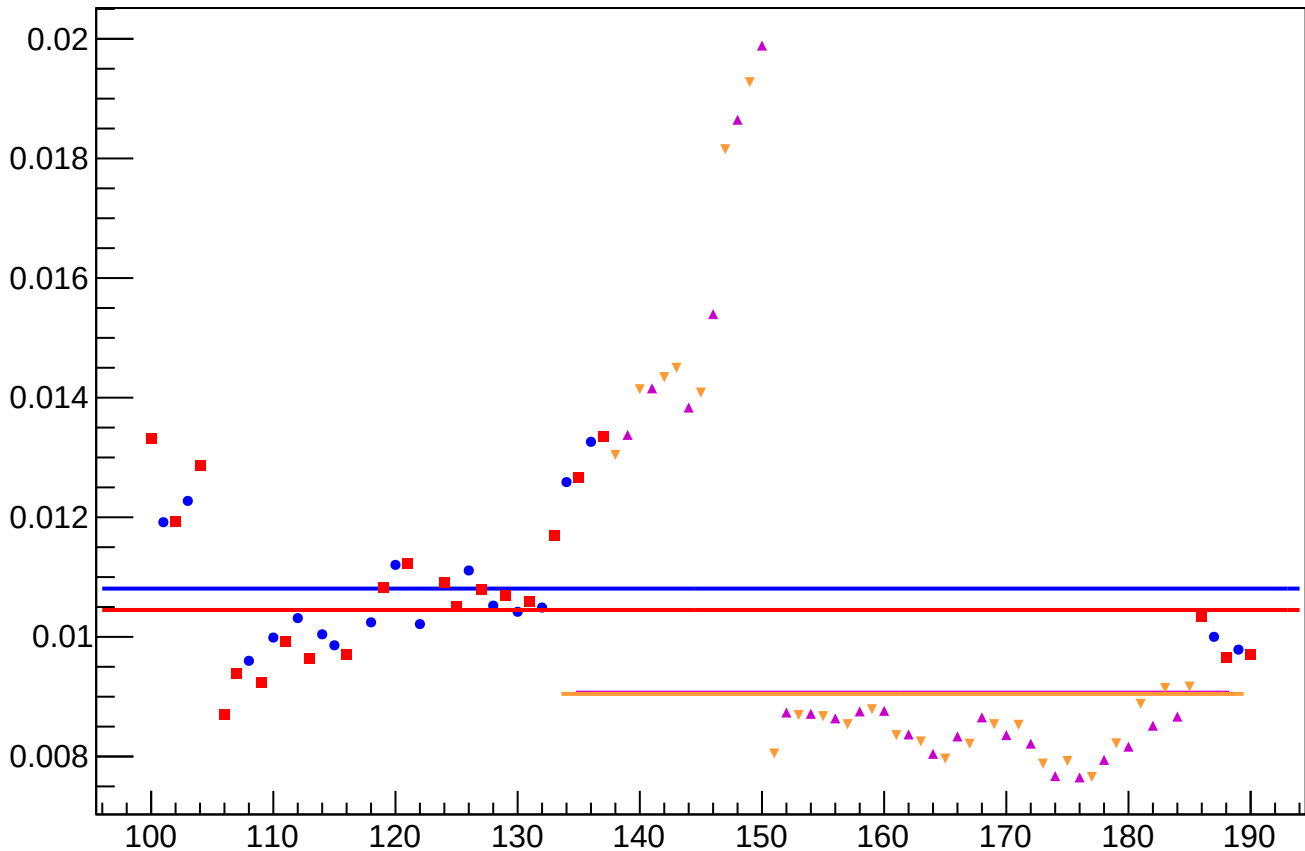
Left In: -2.335+/-0.000 χ^2/NDF : 1676703216.8/22

+ sign -1.805+/-0.000 χ^2/NDF : 270951407817.3/42

All: -1.746+/-0.000 χ^2/NDF : 589423770254.1

- sign -1.687+/-0.000 χ^2/NDF : 316437354393.2/44

yield_bpm1i02X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 152137.3/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:2048729.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 211276.0/21

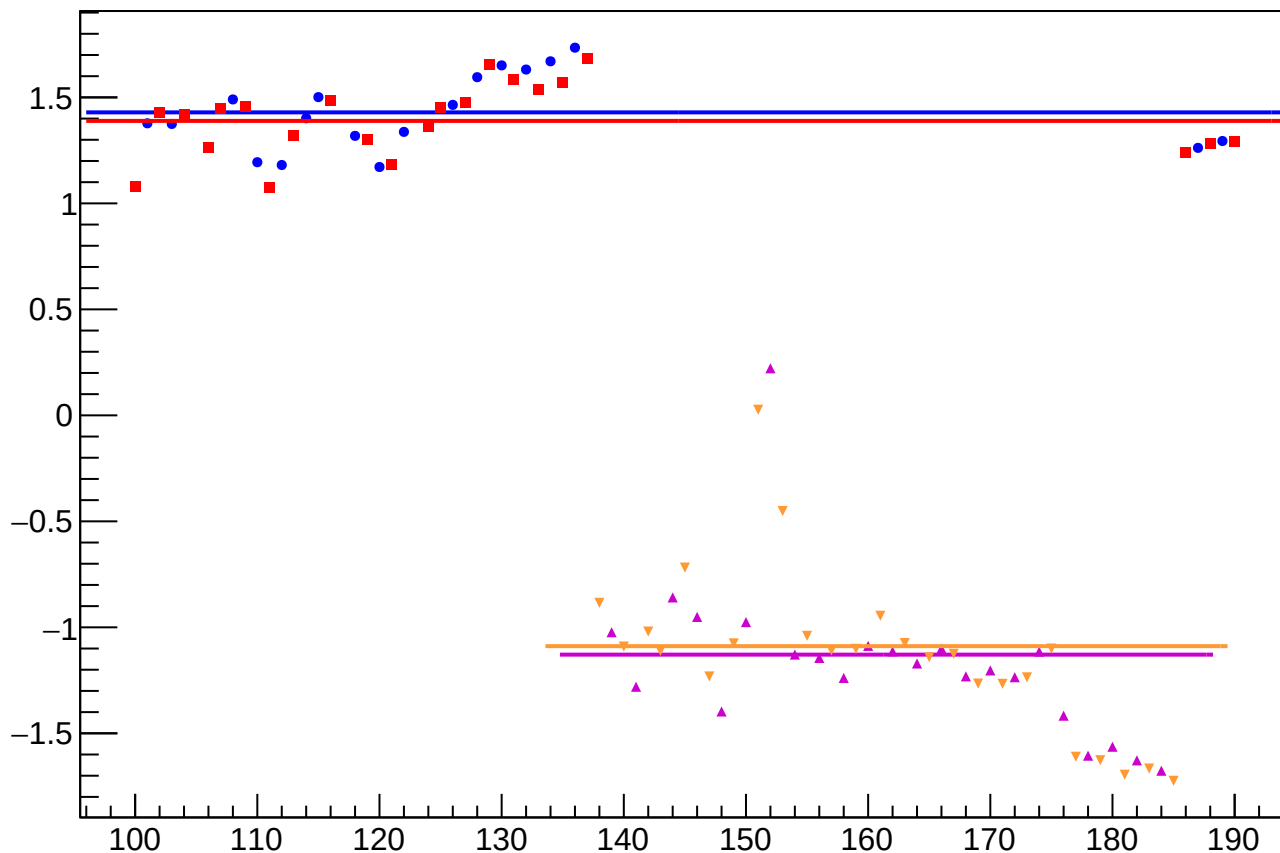
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:2134207.9/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2520204.2/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 5092395.3/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2572180.4/44

yield_bpm1i02Y_mean vs Slug



Right In: 1.429+/-0.000 χ^2/NDF : 4019374626.4/17

Left Out: -1.089+/-0.000 χ^2/NDF : 61255304912.3/24

Right Out: 1.389+/-0.000 χ^2/NDF : 3327307099.8/21

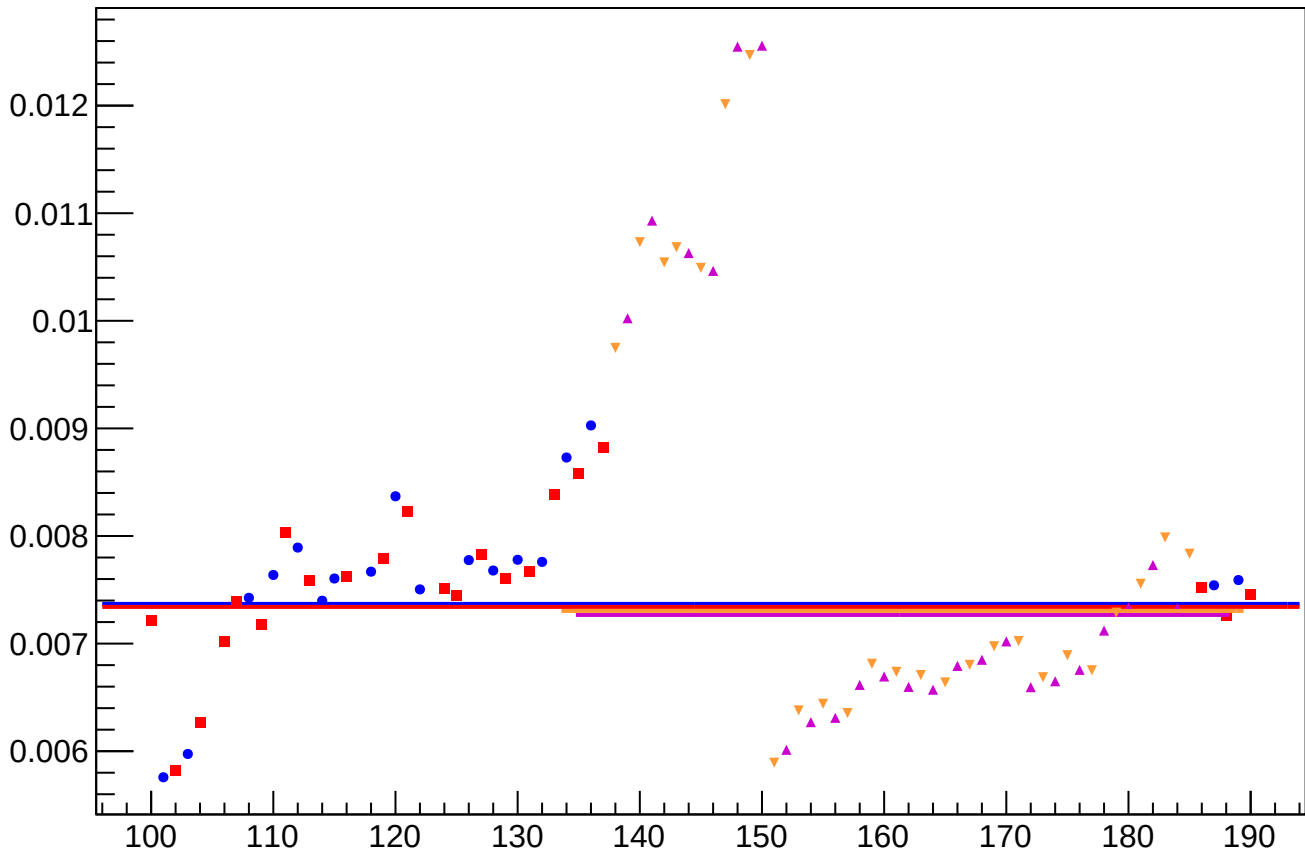
Left In: -1.129+/-0.000 χ^2/NDF : 58876825364.1/22

+ sign -0.353+/-0.000 χ^2/NDF : 707306099296.6/42

All: -0.316+/-0.000 χ^2/NDF : 1477603132183

- sign -0.280+/-0.000 χ^2/NDF : 769004975374.2/44

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 272044.0/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1504103.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 196247.1/21

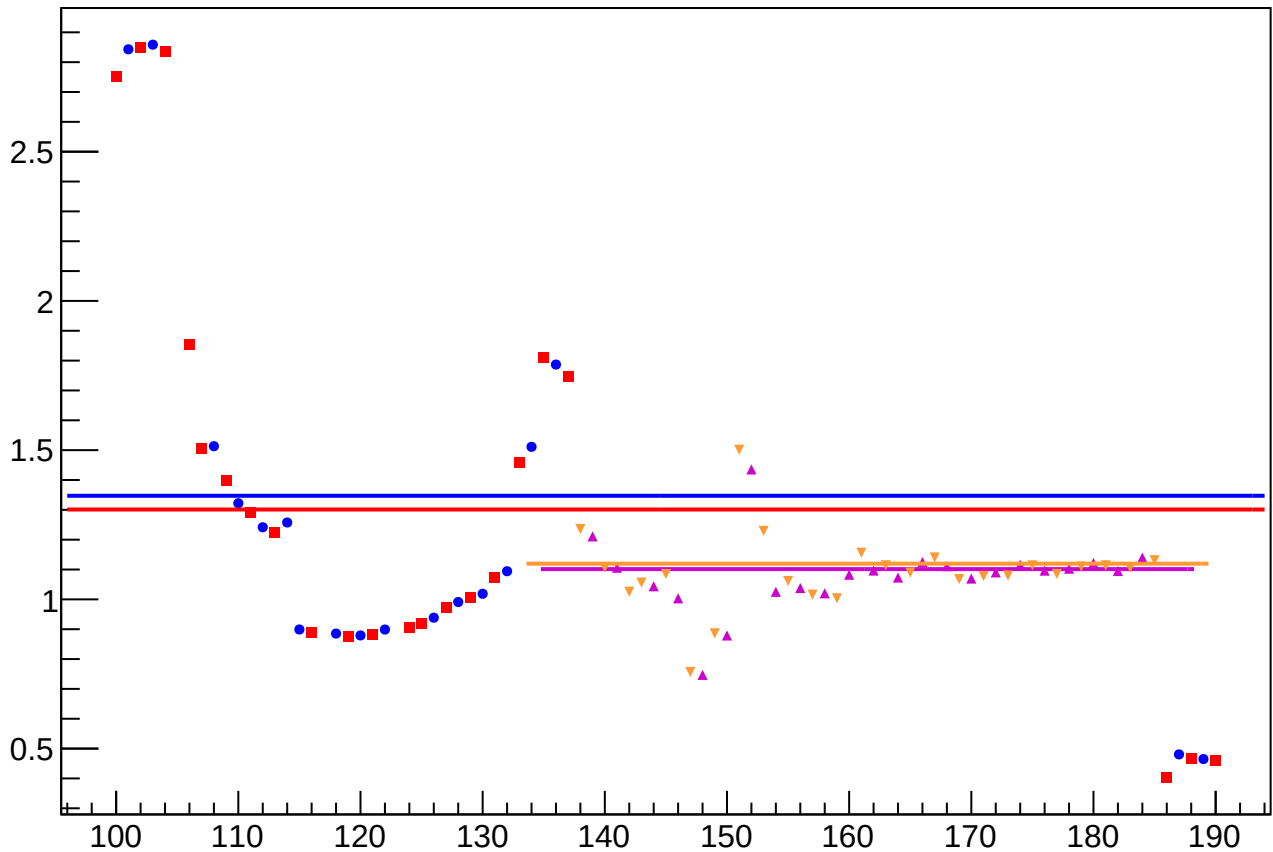
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1560089.8/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1777012.2/42

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3535074.6/87

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1757581.3/44

yield_bpm1i04X_mean vs Slug



Right In: 1.347 $\pm$ 0.000 χ^2 /NDF: 64327327133.0/17

Left Out: 1.120 $\pm$ 0.000 χ^2 /NDF:5515079117.9/24

Right Out: 1.301 $\pm$ 0.000 χ^2 /NDF: 69430238446.8/21

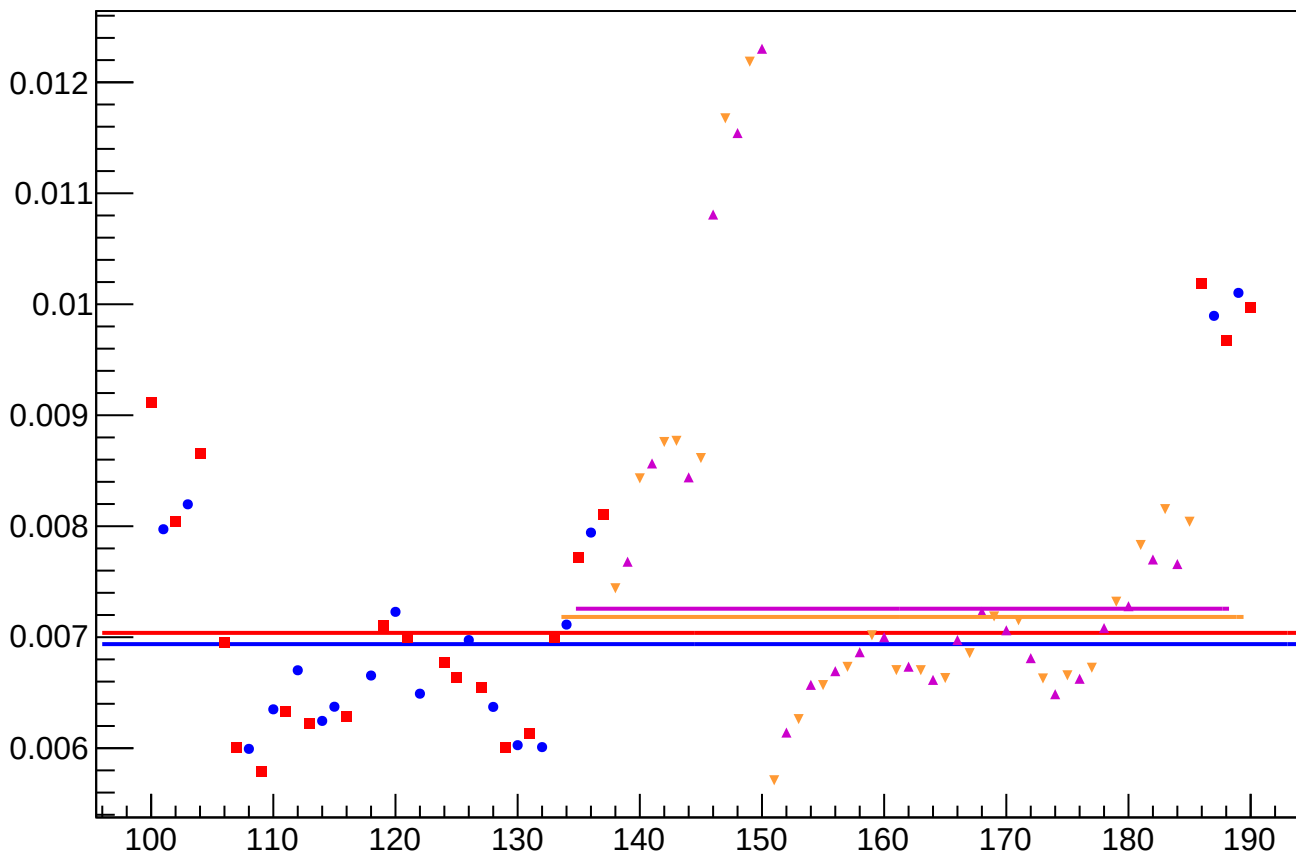
Left In: 1.101 $\pm$ 0.000 χ^2 /NDF:4201972548.8/22

+ sign 1.190 $\pm$ 0.000 χ^2 /NDF: 75586492123.9/42

All: 1.181 $\pm$ 0.000 χ^2 /NDF: 153963684411.1

- sign 1.171 $\pm$ 0.000 χ^2 /NDF: 78285694600.6/44

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 307892.2/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:893807.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 505878.5/21

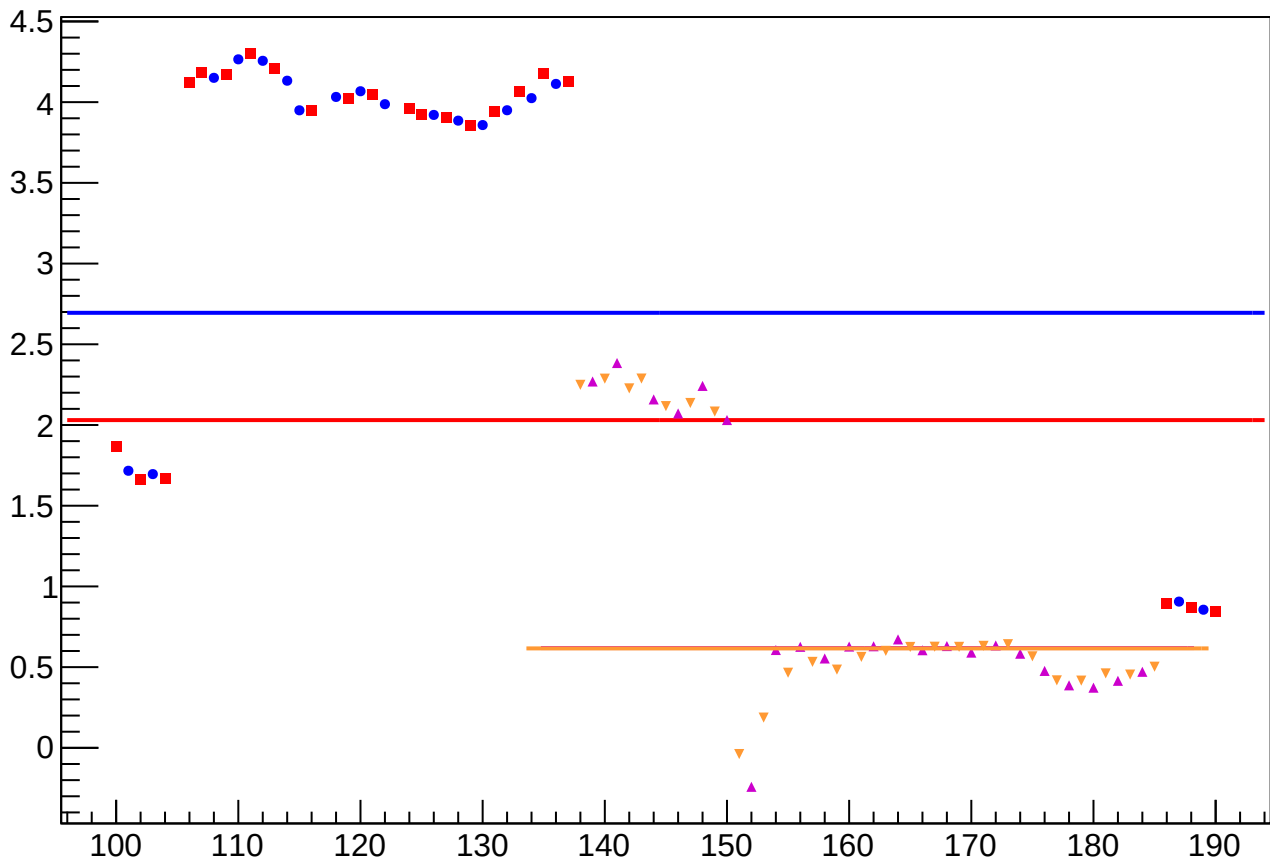
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:916696.6/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1215011.4/42

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2651454.0/87

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1433635.4/44

yield_bpm1i04Y_mean vs Slug



Right In: 2.695 $\pm$ 0.000 χ^2 /NDF: 765115753256.6/17

Left Out: 0.616 $\pm$ 0.000 χ^2 /NDF: 251940630795.3/24

Right Out: 2.030 $\pm$ 0.000 χ^2 /NDF: 1276408664976.9/21

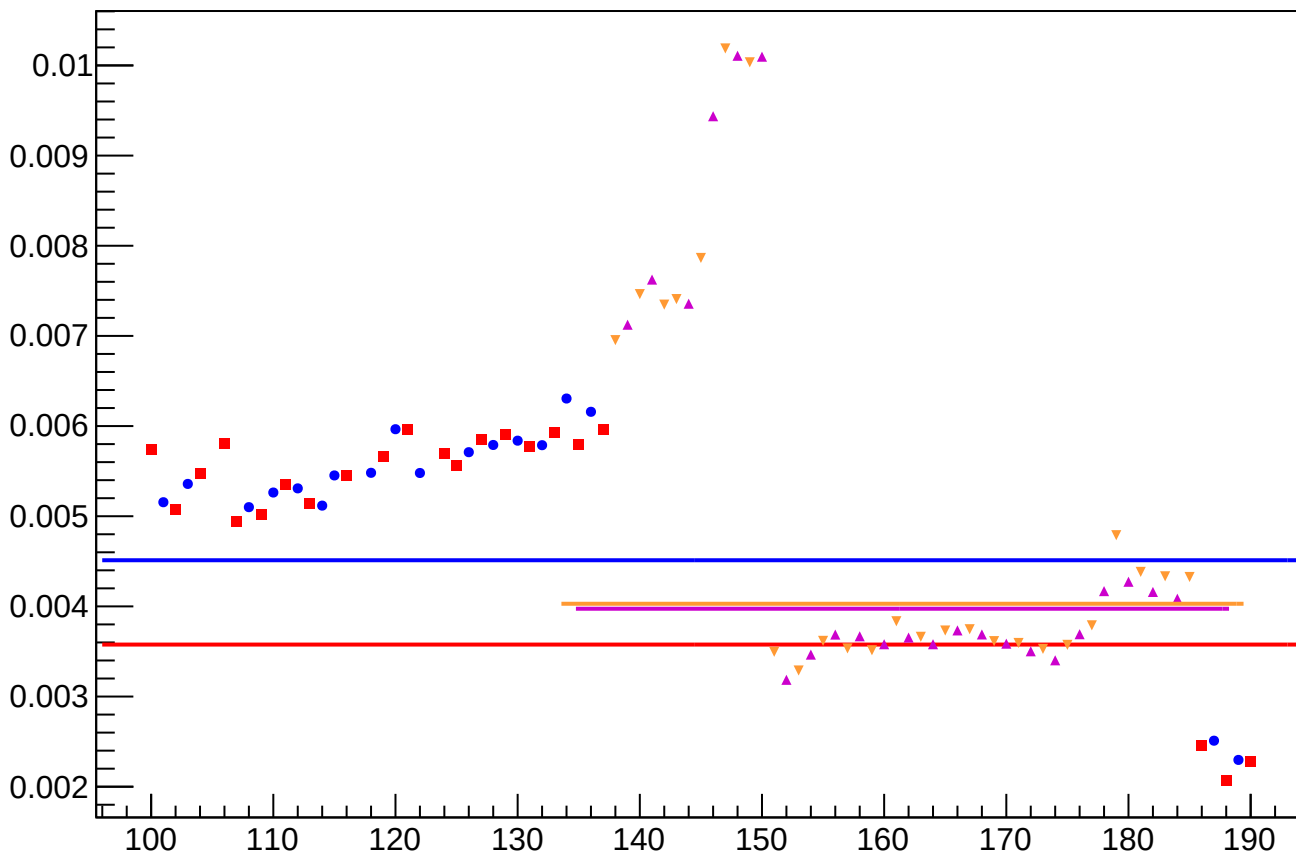
Left In: 0.618 $\pm$ 0.000 χ^2 /NDF: 254248143278.9/22

+ sign 1.126 $\pm$ 0.000 χ^2 /NDF: 2138035380808.6/42

All: 1.125 $\pm$ 0.000 χ^2 /NDF: 4401671274322.0

- sign 1.124 $\pm$ 0.000 χ^2 /NDF: 2263630001953.4/44

yield_bpm1i04Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1642895.1/17

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:2965028.8/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3170143.0/21

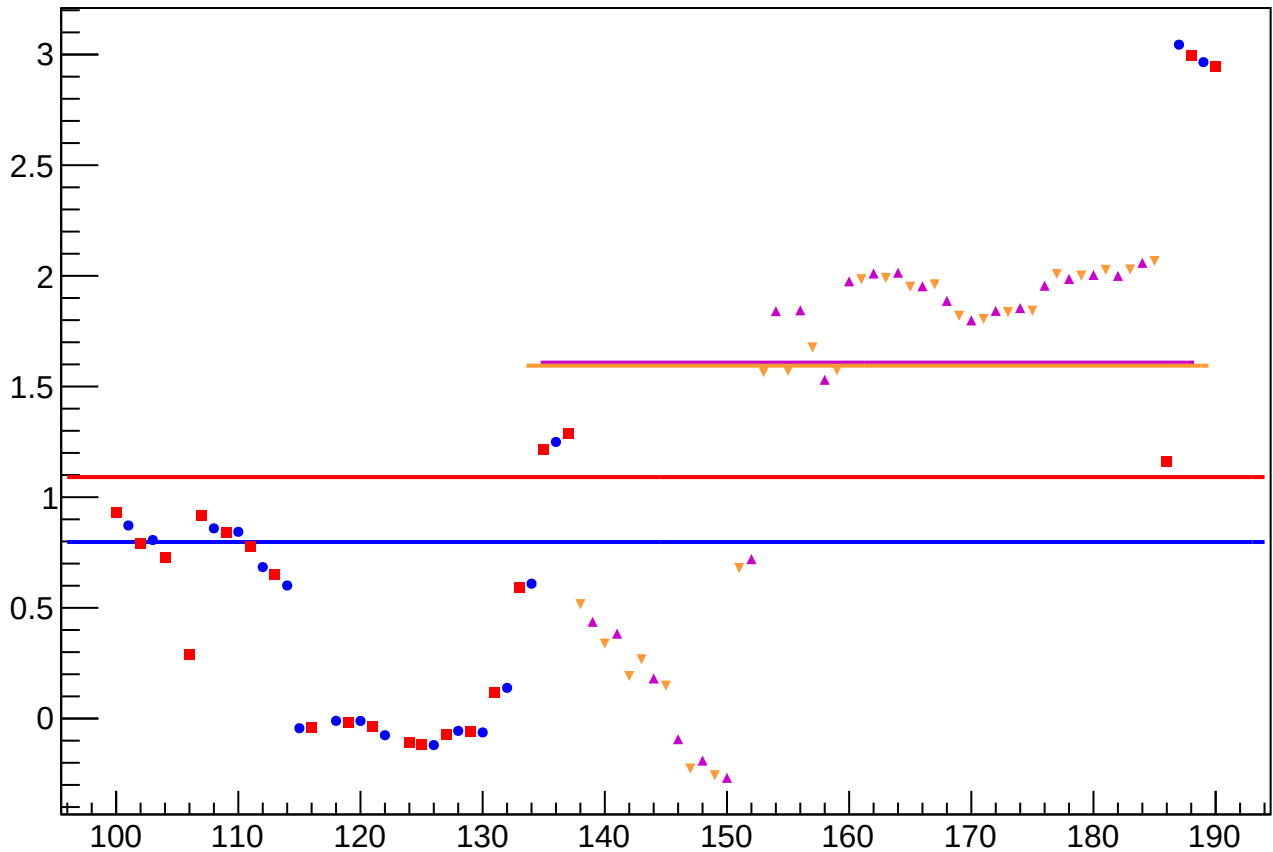
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:3121901.5/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4728717.6/42

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 11285965.9/87

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6408151.9/44

yield_bpm1i06X_mean vs Slug



Right In: 0.797 $\pm$ 0.000 χ^2 /NDF: 42349980259.5/17

Left Out: 1.594 $\pm$ 0.000 χ^2 /NDF: 62632055963.2/24

Right Out: 1.091 $\pm$ 0.000 χ^2 /NDF: 65993709269.7/21

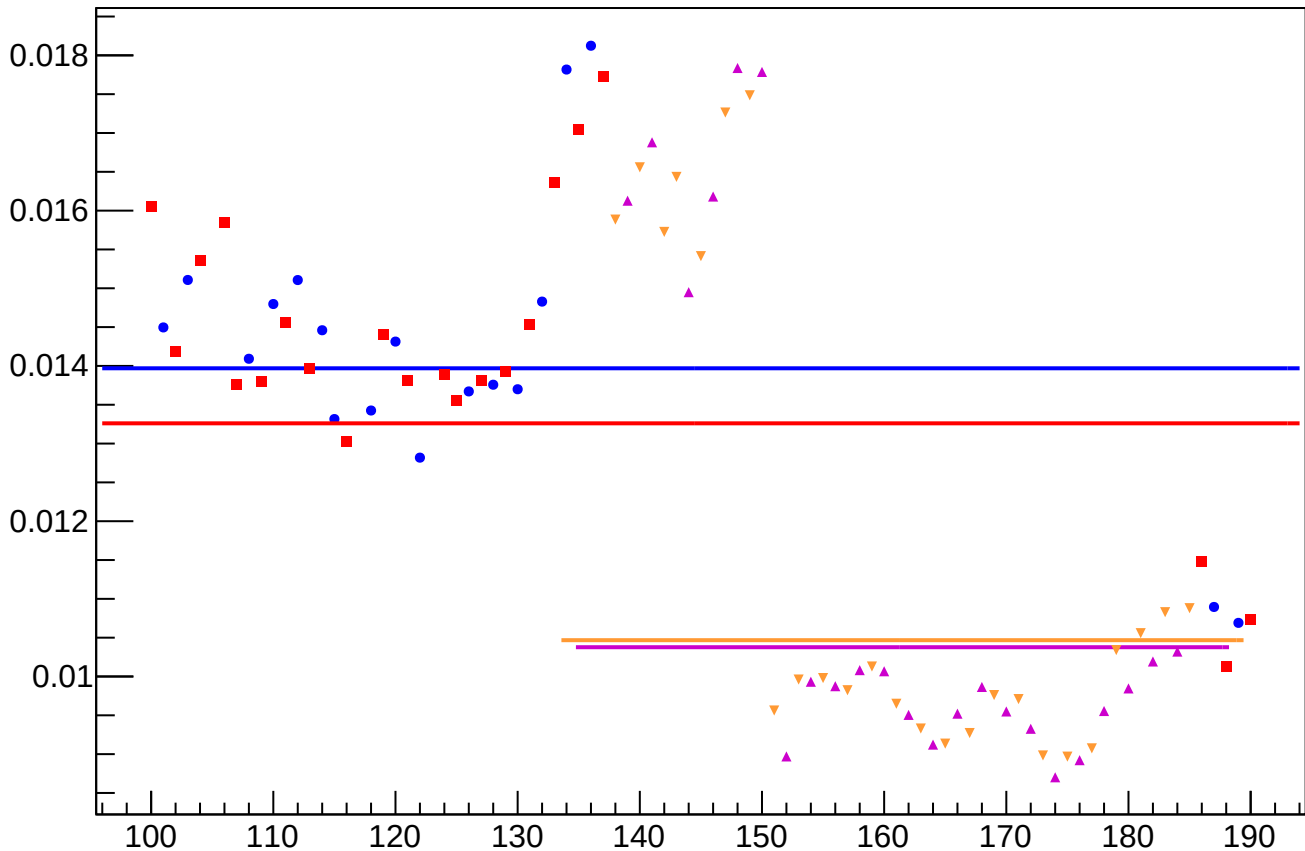
Left In: 1.608 $\pm$ 0.000 χ^2 /NDF: 66403809503.4/22

+ sign 1.441 $\pm$ 0.000 χ^2 /NDF: 125303152378.8/42

All: 1.463 $\pm$ 0.000 χ^2 /NDF: 268109698092.0

- sign 1.485 $\pm$ 0.000 χ^2 /NDF: 142606467139.4/44

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 285125.3/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:1661211.8/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 417020.1/21

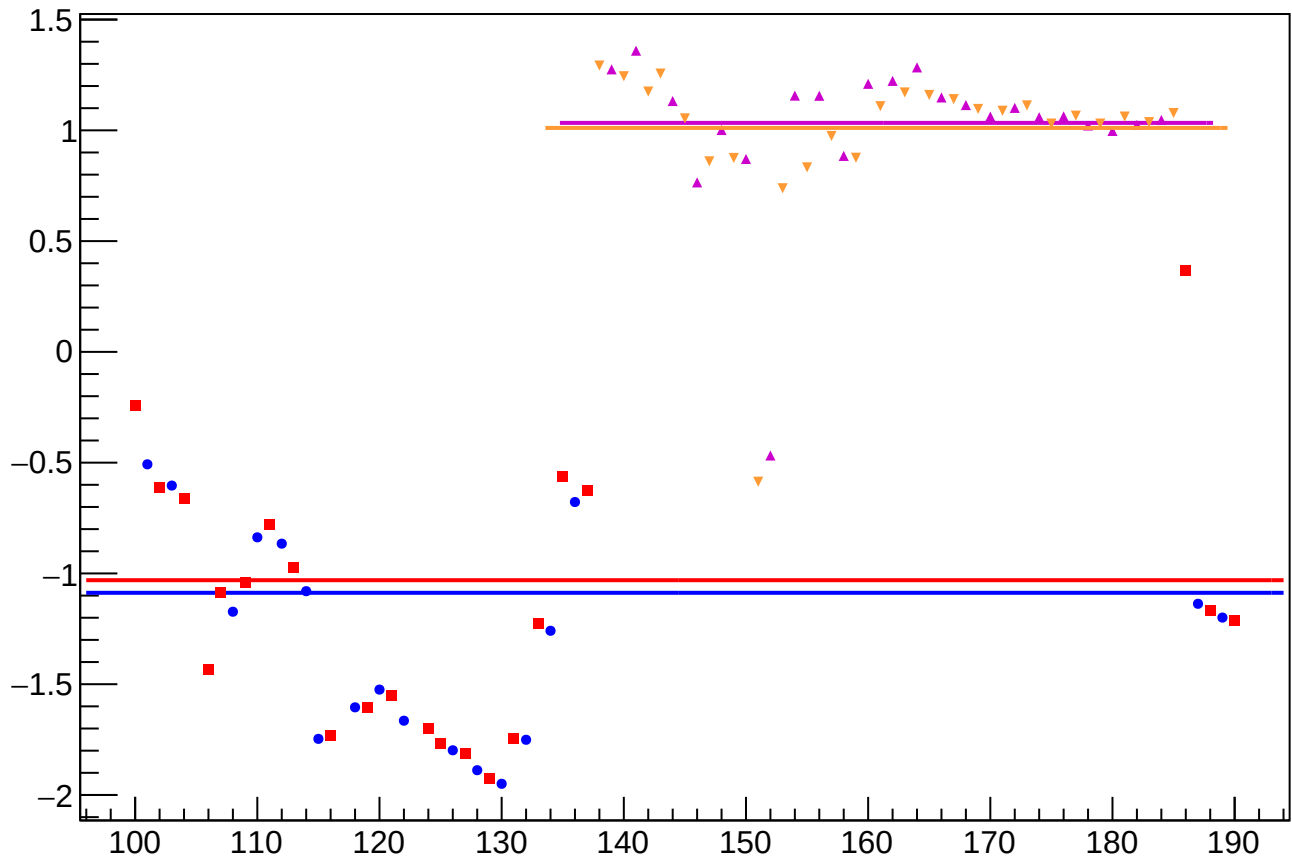
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:1710541.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2731532.1/42

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5494970.1/87

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2762188.8/44

yield_bpm1i06Y_mean vs Slug



Right In: -1.087 ± 0.000 χ^2/NDF : 59934832789.7/17

Left Out: 1.011 ± 0.000 χ^2/NDF : 111188616245.0/24

Right Out: -1.031 ± 0.000 χ^2/NDF : 66909965211.0/21

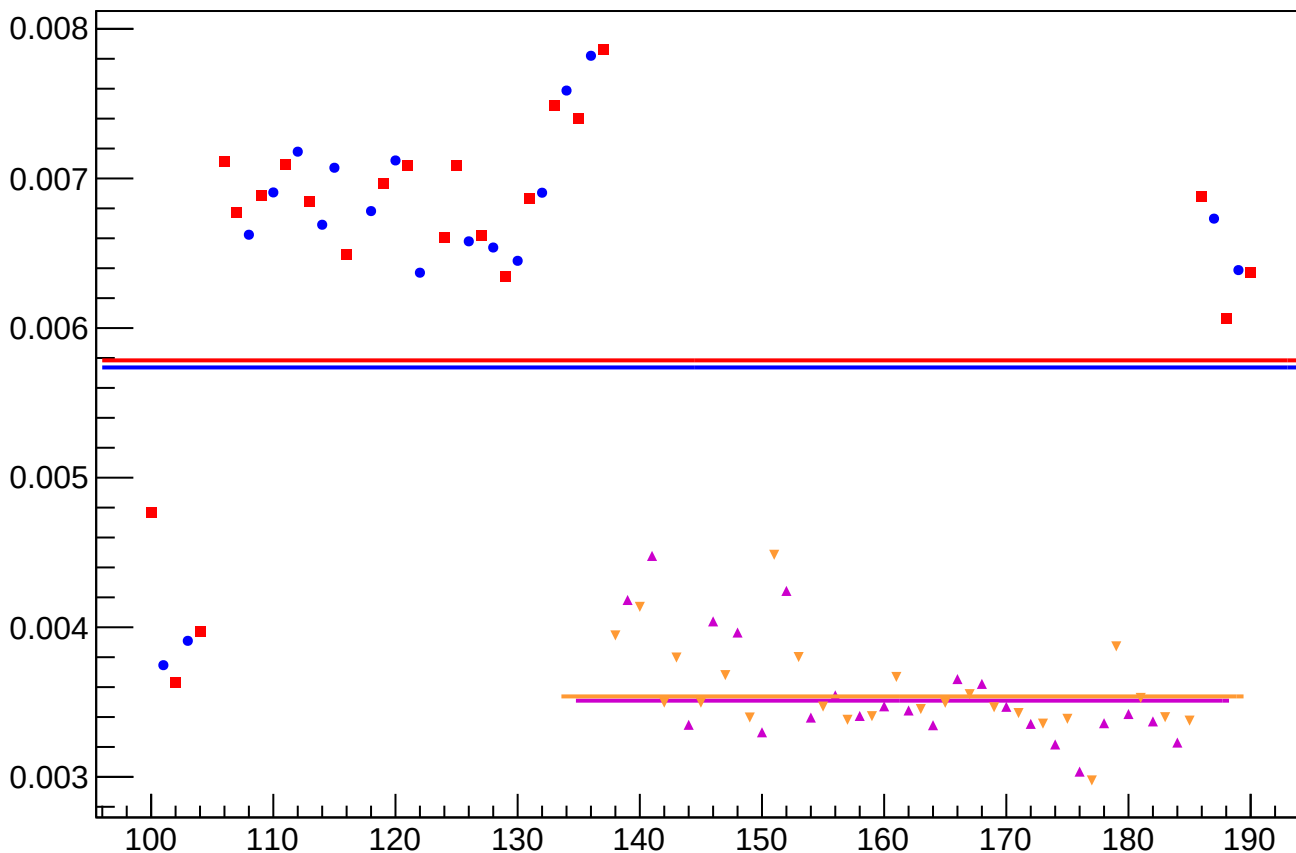
Left In: 1.034 ± 0.000 χ^2/NDF : 125385050389.9/22

+ sign 0.734 ± 0.000 χ^2/NDF : 988875360981.4/42

All: 0.727 ± 0.000 χ^2/NDF : 2053763834805.

- sign 0.720 ± 0.000 χ^2/NDF : 1064731029897.5/44

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 964597.9/17

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:215725.1/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1013859.4/21

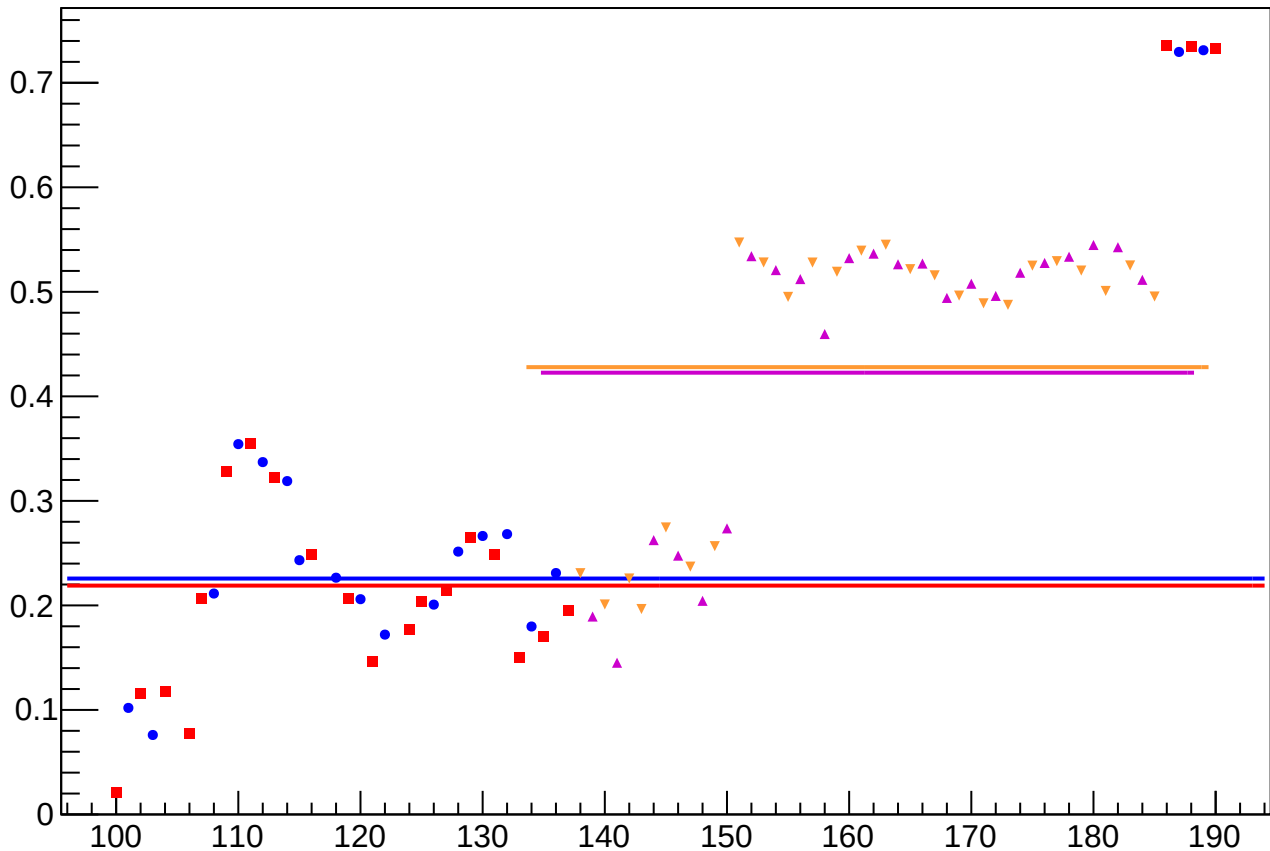
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:284960.7/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2976449.8/42

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6395112.6/87

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3417480.8/44

yield_bpm2i01X_mean vs Slug



Right In: 0.226+/-0.000 χ^2/NDF : 27810602151.4/17

Left Out: 0.428+/-0.000 χ^2/NDF : 153820853539.2/24

Right Out: 0.219+/-0.000 χ^2/NDF : 51286486196.9/21

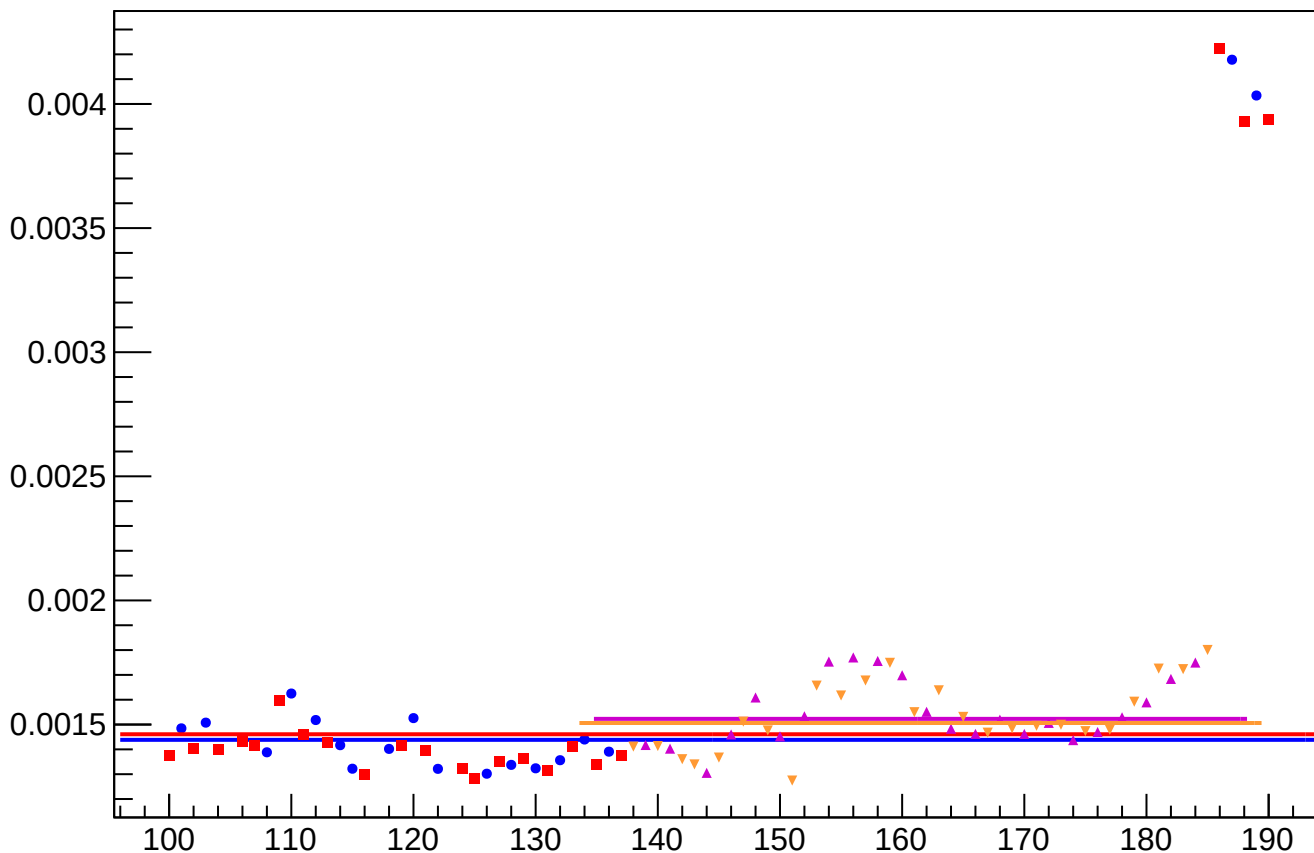
Left In: 0.423+/-0.000 χ^2/NDF : 158122093061.2/22

+ sign 0.368+/-0.000 χ^2/NDF : 283715860647.1/42

All: 0.361+/-0.000 χ^2/NDF : 601821495432.7

- sign 0.354+/-0.000 χ^2/NDF : 317049981969.9/44

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 650158.3/17

Left Out: 0.002+/-0.000 χ^2/NDF : 278895.8/24

Right Out: 0.001+/-0.000 χ^2/NDF : 1436300.0/21

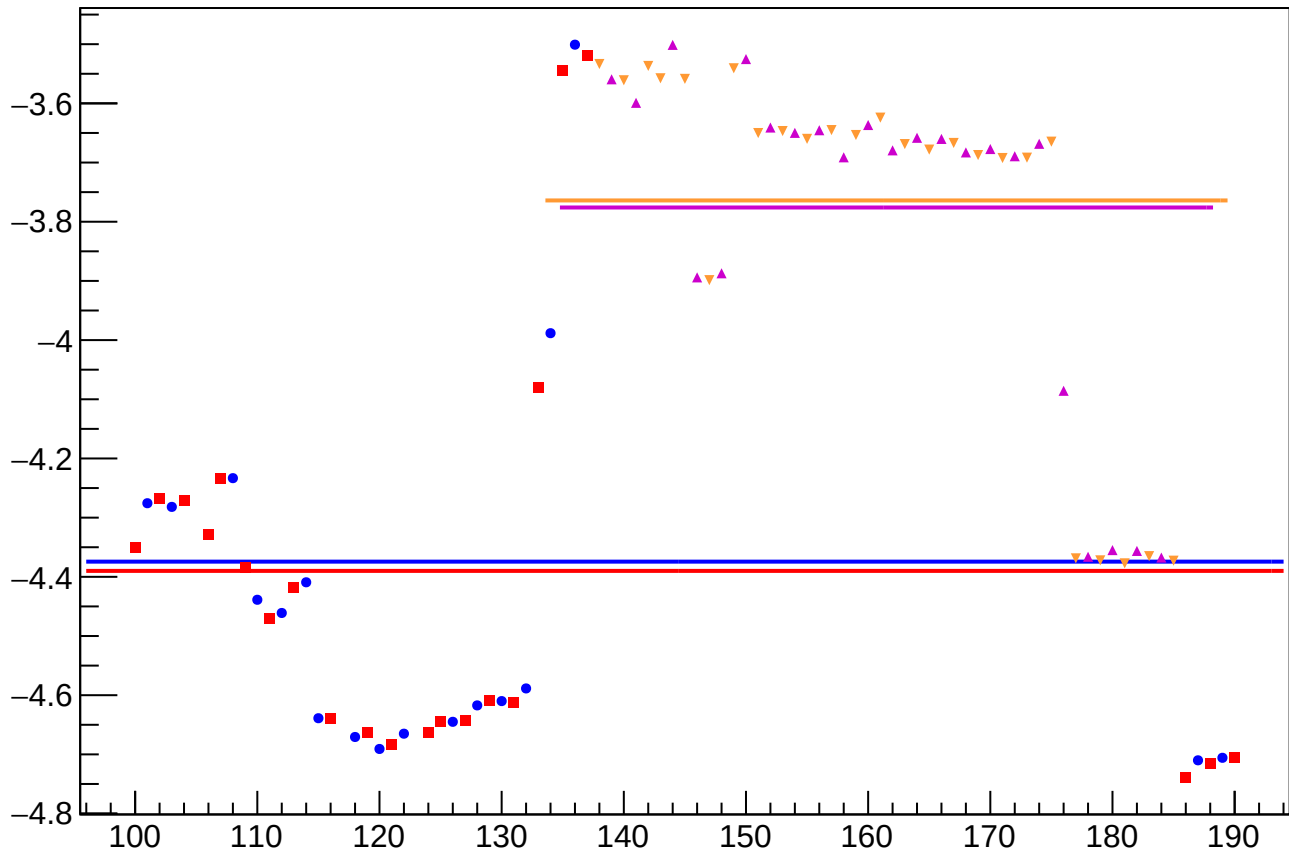
Left In: 0.002+/-0.000 χ^2/NDF : 234679.9/22

+ sign 0.001+/-0.000 χ^2/NDF : 952019.2/42

All: 0.001+/-0.000 χ^2/NDF : 2646024.7/87

- sign 0.002+/-0.000 χ^2/NDF : 1690965.2/44

yield_bpm2i01Y_mean vs Slug



Right In: -4.374+/-0.000 χ^2/NDF : 359978230356.3/17

Left Out: -3.764+/-0.000 χ^2/NDF : 483461311370.8/24

Right Out: -4.390+/-0.000 χ^2/NDF : 315348910769.0/21

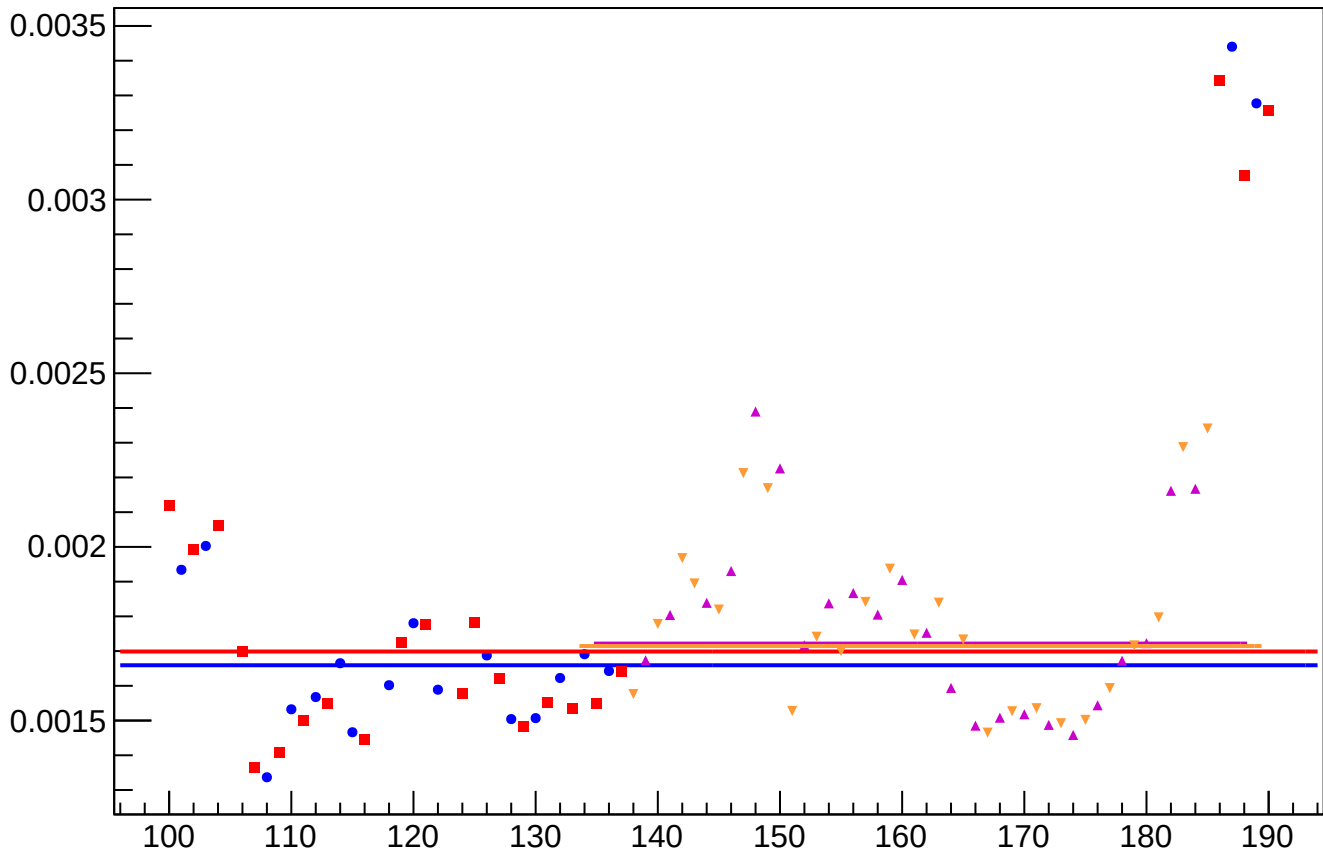
Left In: -3.776+/-0.000 χ^2/NDF : 402659987166.3/22

+ sign -3.946+/-0.000 χ^2/NDF : 1544010674886.0/4

All: -3.962+/-0.000 χ^2/NDF : 3003391594879

- sign -3.978+/-0.000 χ^2/NDF : 1454713554308.3/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 486803.5/17

Left Out: 0.002+/-0.000 χ^2/NDF :562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF : 951104.6/21

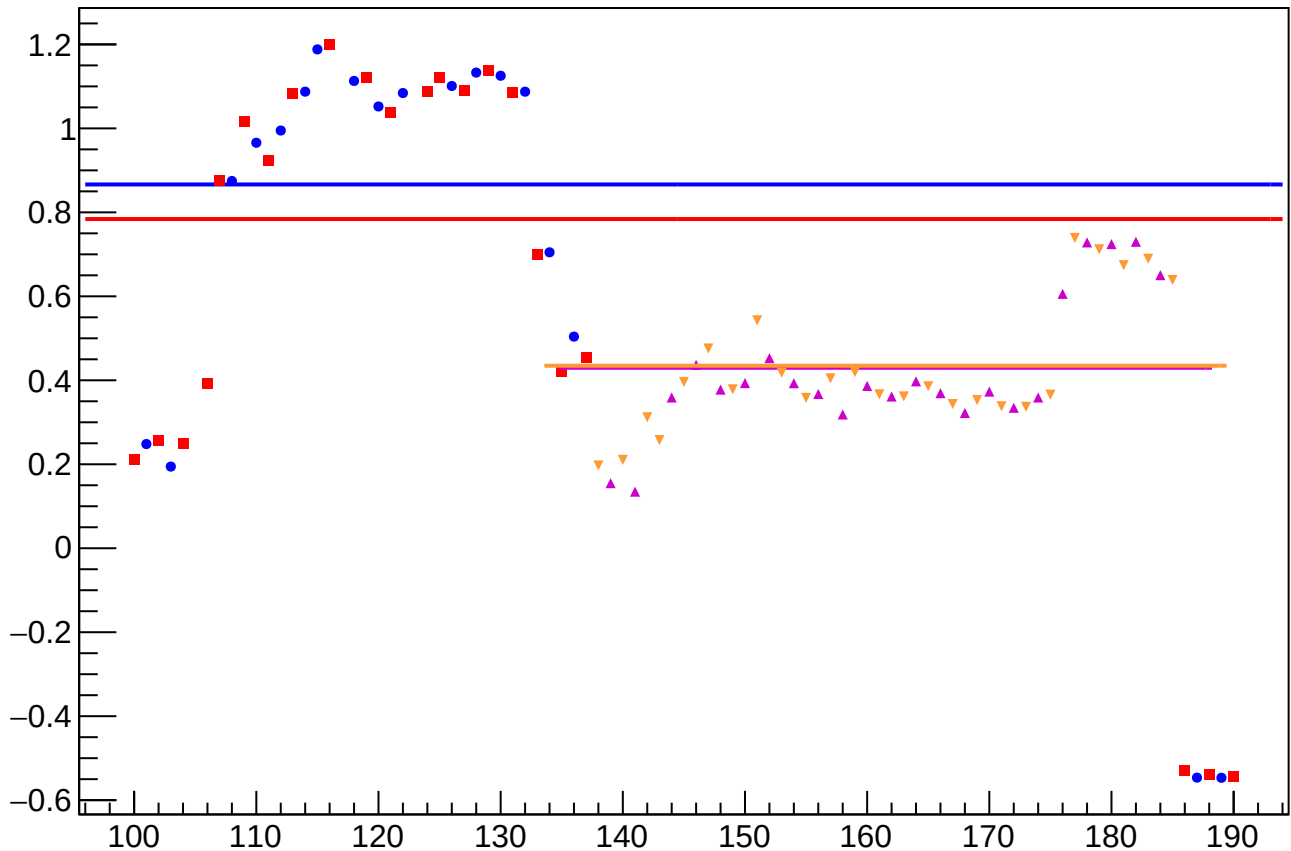
Left In: 0.002+/-0.000 χ^2/NDF :581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 1060679.7/42

All: 0.002+/-0.000 χ^2/NDF : 2597992.5/87

- sign 0.002+/-0.000 χ^2/NDF : 1535024.6/44

yield_bpm2i02X_mean vs Slug



Right In: 0.866 $\pm$ 0.000 χ^2 /NDF: 28379091495.1/17

Left Out: 0.435 $\pm$ 0.000 χ^2 /NDF: 8515333254.7/24

Right Out: 0.784 $\pm$ 0.000 χ^2 /NDF: 48078138569.7/21

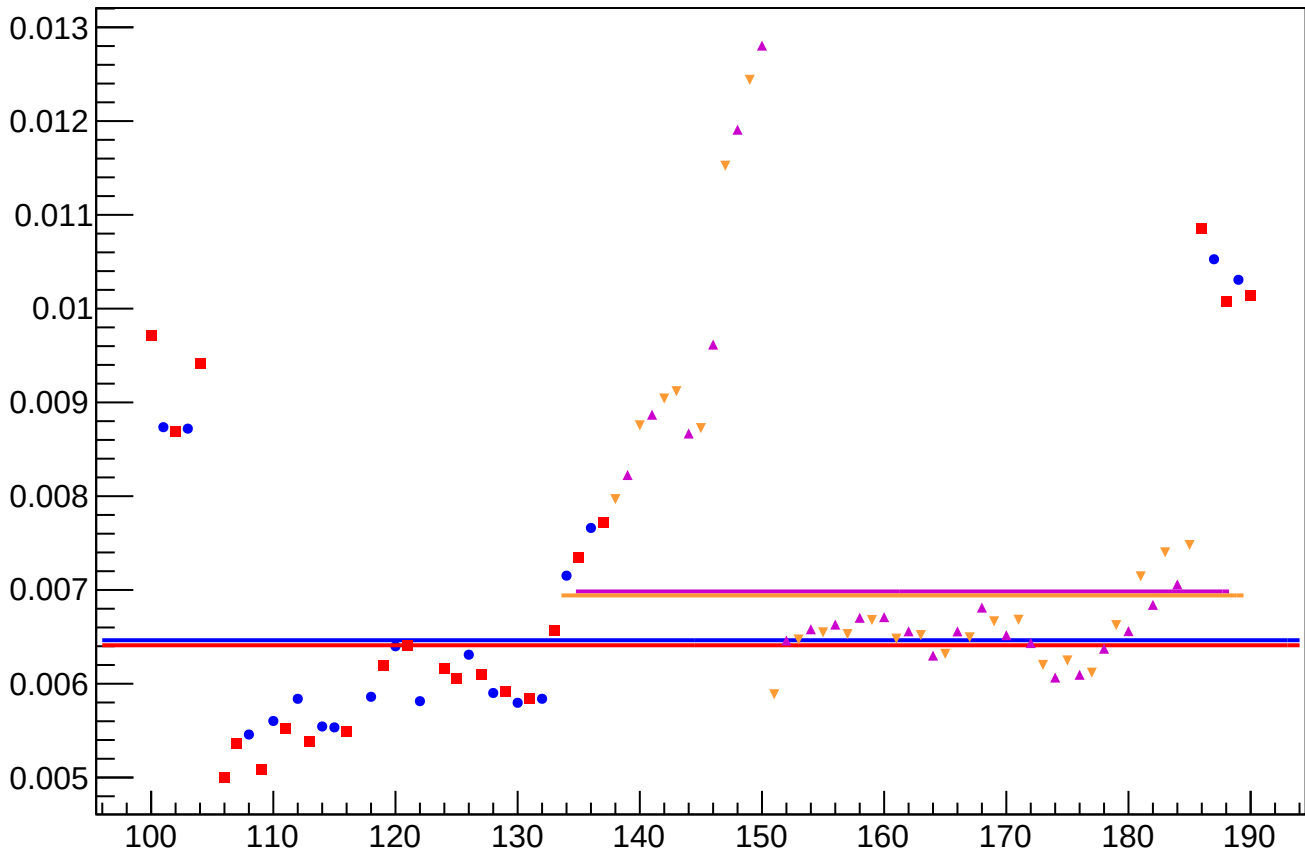
Left In: 0.430 $\pm$ 0.000 χ^2 /NDF: 9041195997.1/22

+ sign 0.573 $\pm$ 0.000 χ^2 /NDF: 60017860166.4/42

All: 0.567 $\pm$ 0.000 χ^2 /NDF: 133933752953.7

- sign 0.560 $\pm$ 0.000 χ^2 /NDF: 73872147313.2/44

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 546143.9/17

Left Out: 0.007+/-0.000 χ^2/NDF :1090916.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 954501.7/21

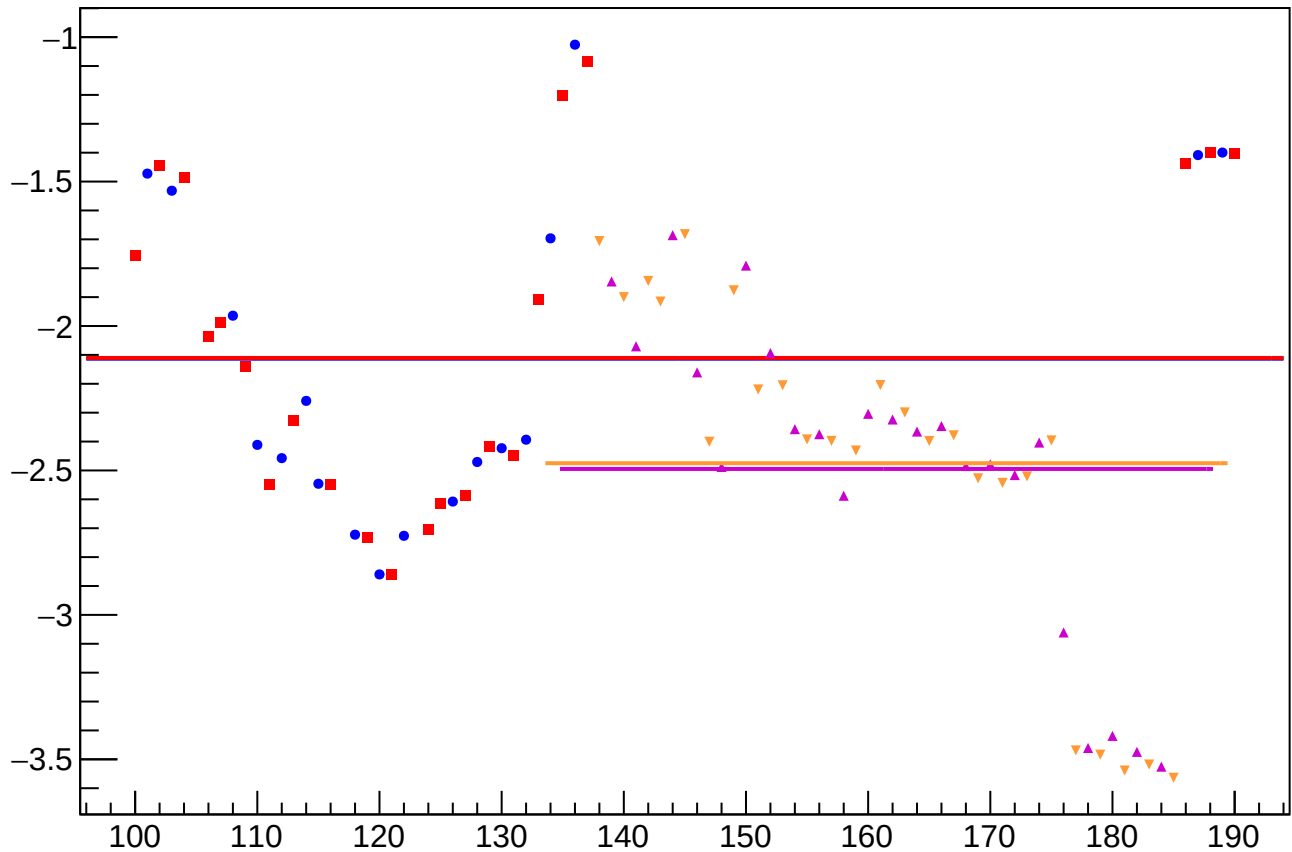
Left In: 0.007+/-0.000 χ^2/NDF :1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 1693727.8/42

All: 0.007+/-0.000 χ^2/NDF : 3872820.6/87

- sign 0.007+/-0.000 χ^2/NDF : 2178935.7/44

yield_bpm2i02Y_mean vs Slug



Right In: -2.113+/-0.000 χ^2/NDF : 69490233276.9/17

Left Out: -2.475+/-0.000 χ^2/NDF : 122955897541.5/24

Right Out: -2.111+/-0.000 χ^2/NDF : 67314593318.9/21

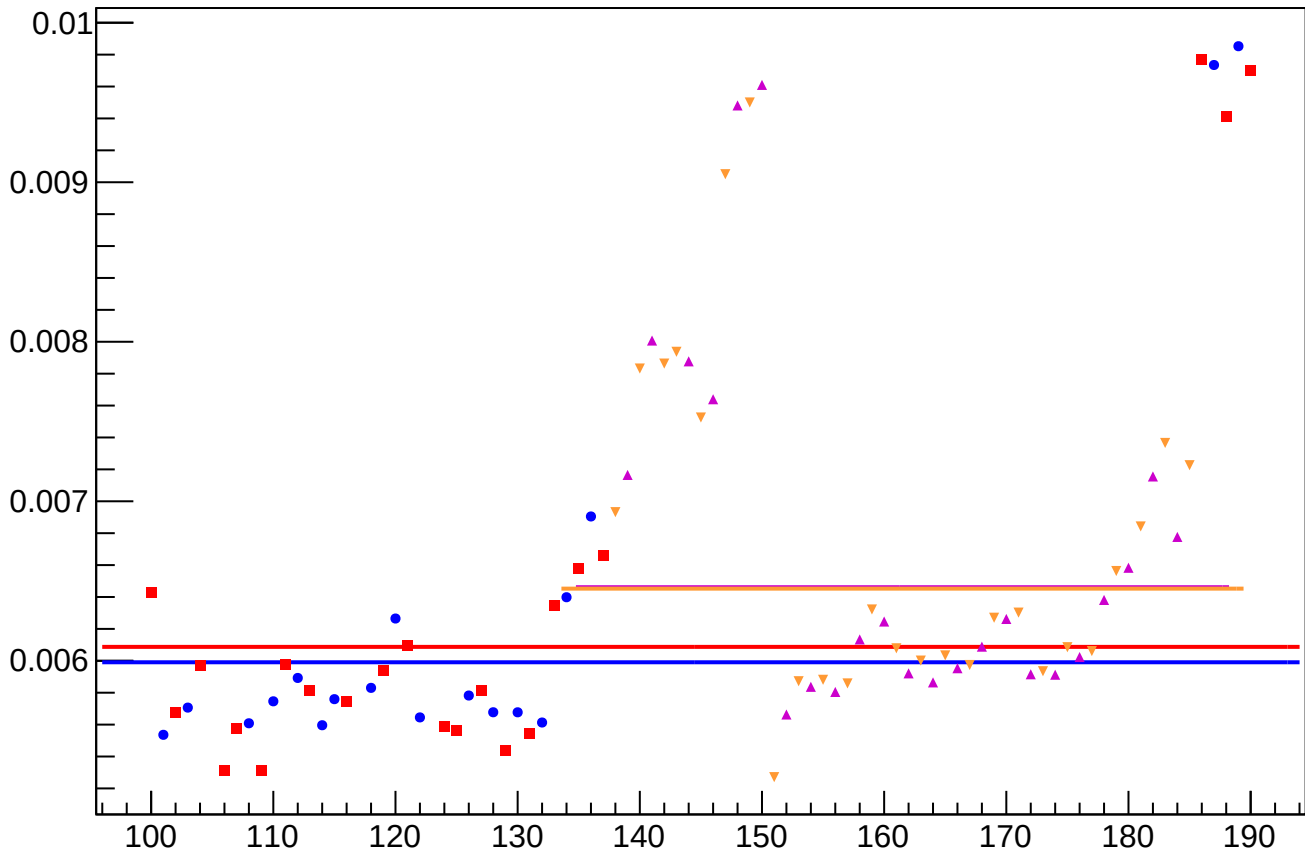
Left In: -2.495+/-0.000 χ^2/NDF : 96774638297.6/22

+ sign -2.358+/-0.000 χ^2/NDF : 211674519597.2/42

All: -2.357+/-0.000 χ^2/NDF : 398518398165.5

- sign -2.357+/-0.000 χ^2/NDF : 186843389429.0/44

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 283788.3/17

Left Out: 0.006+/-0.000 χ^2/NDF : 713238.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 540124.9/21

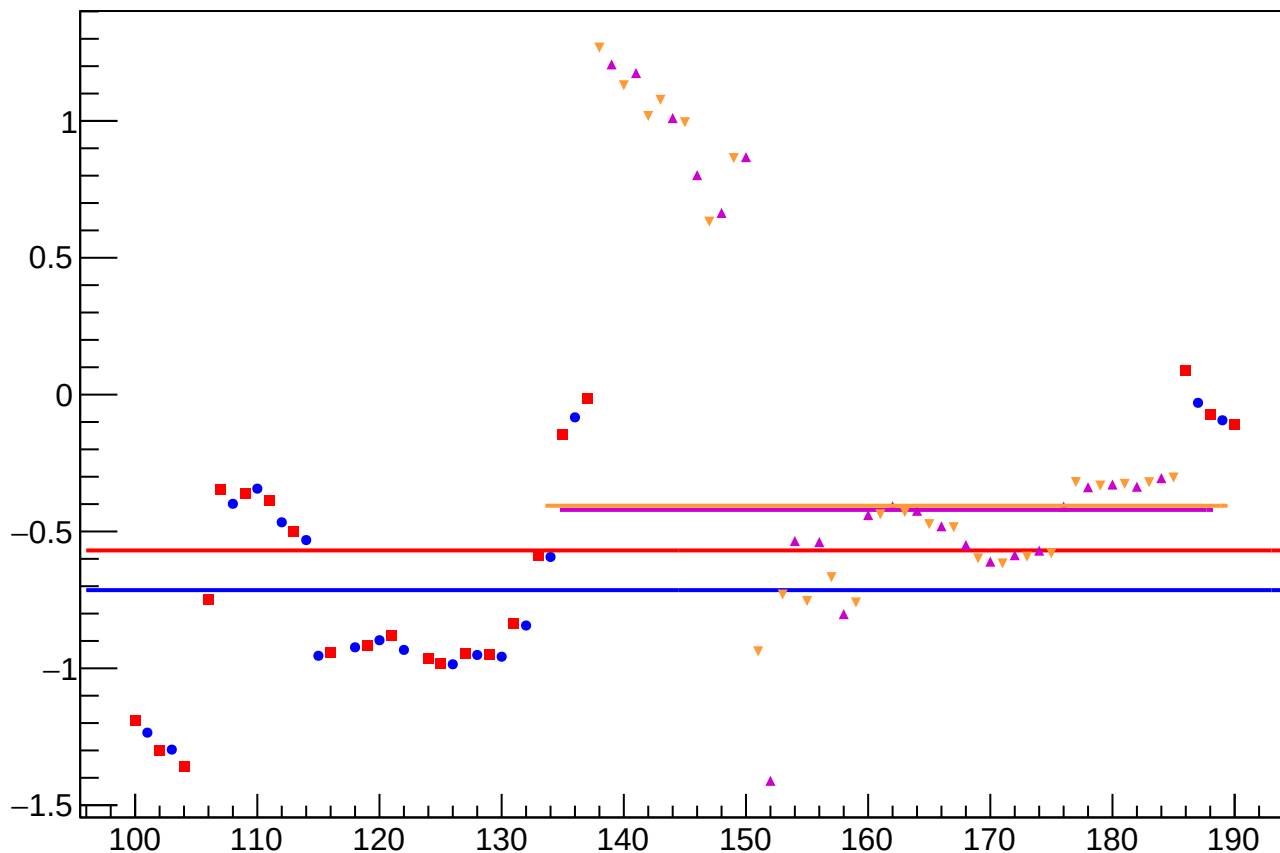
Left In: 0.006+/-0.000 χ^2/NDF : 720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF : 1059629.2/42

All: 0.006+/-0.000 χ^2/NDF : 2363919.3/87

- sign 0.006+/-0.000 χ^2/NDF : 1303909.7/44

yield_bpm0i01X_mean vs Slug



Right In: -0.714 ± 0.000 $\chi^2/\text{NDF}: 12355433483.1/17$

Left Out: -0.406 ± 0.000 $\chi^2/\text{NDF}: 81633647828.2/24$

Right Out: -0.569 ± 0.000 $\chi^2/\text{NDF}: 19707641985.4/21$

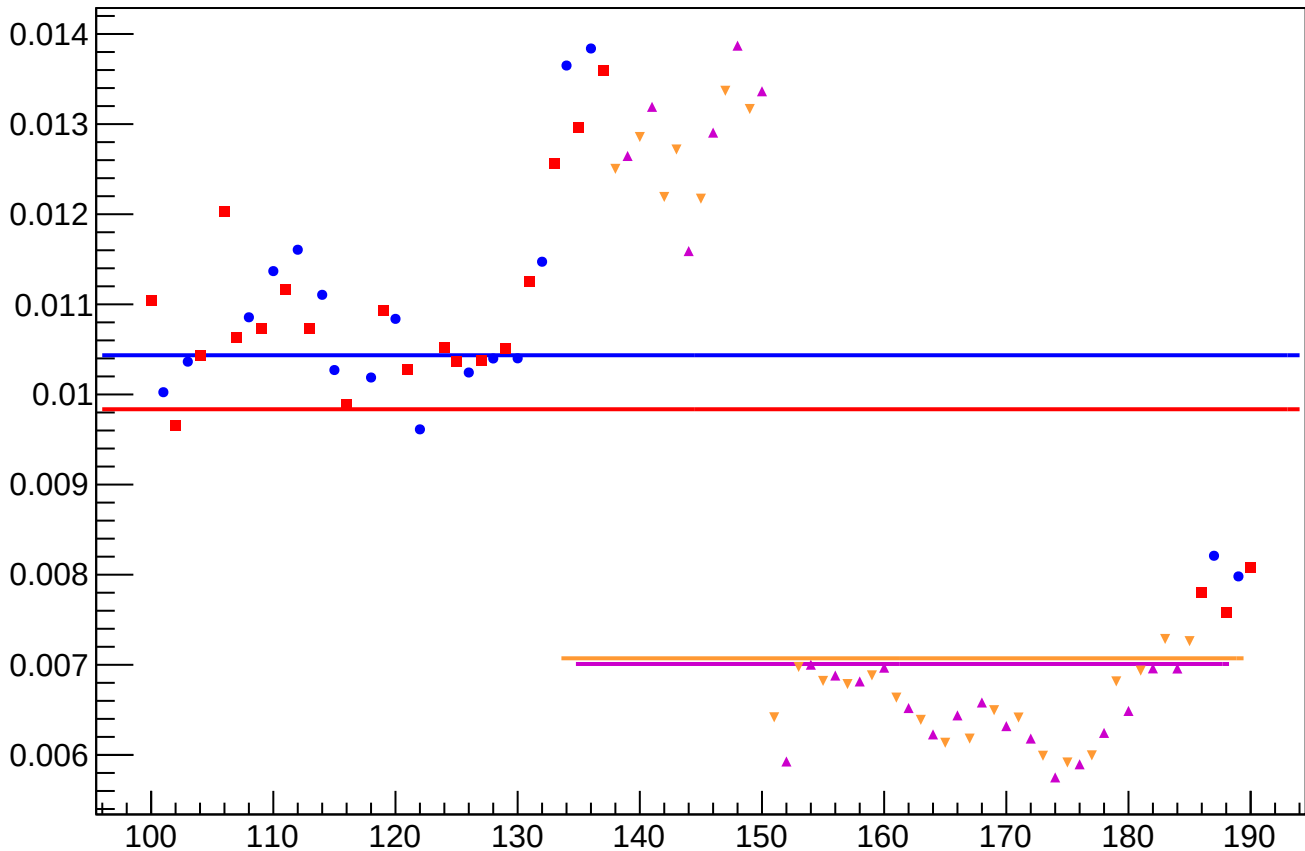
Left In: -0.421 ± 0.000 $\chi^2/\text{NDF}: 90241717621.7/22$

+ sign -0.457 ± 0.000 $\chi^2/\text{NDF}: 99577108849.8/42$

All: -0.455 ± 0.000 $\chi^2/\text{NDF}: 211096579011.3$

- sign -0.452 ± 0.000 $\chi^2/\text{NDF}: 111514473537.4/44$

yield_bpm0i01X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 306168.4/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:2384159.5/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 467408.6/21

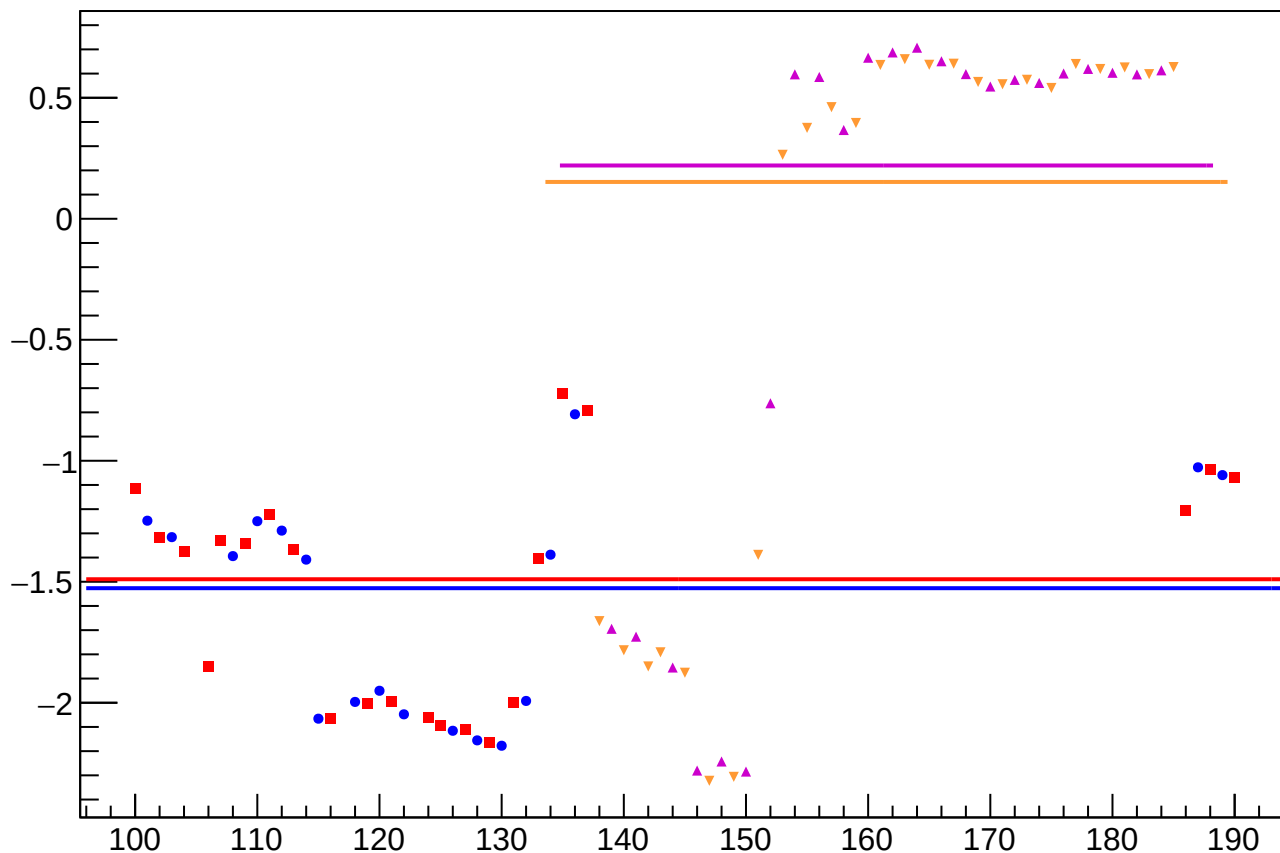
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:2456348.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 4019544.5/42

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 8083730.6/87

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 4063837.3/44

yield_bpm0i01Y_mean vs Slug



Right In: -1.527+/-0.000 χ^2/NDF : 168989455614.5/17

Left Out: 0.152+/-0.000 χ^2/NDF : 2398778835341.2/24

Right Out: -1.490+/-0.000 χ^2/NDF : 158324814666.0/21

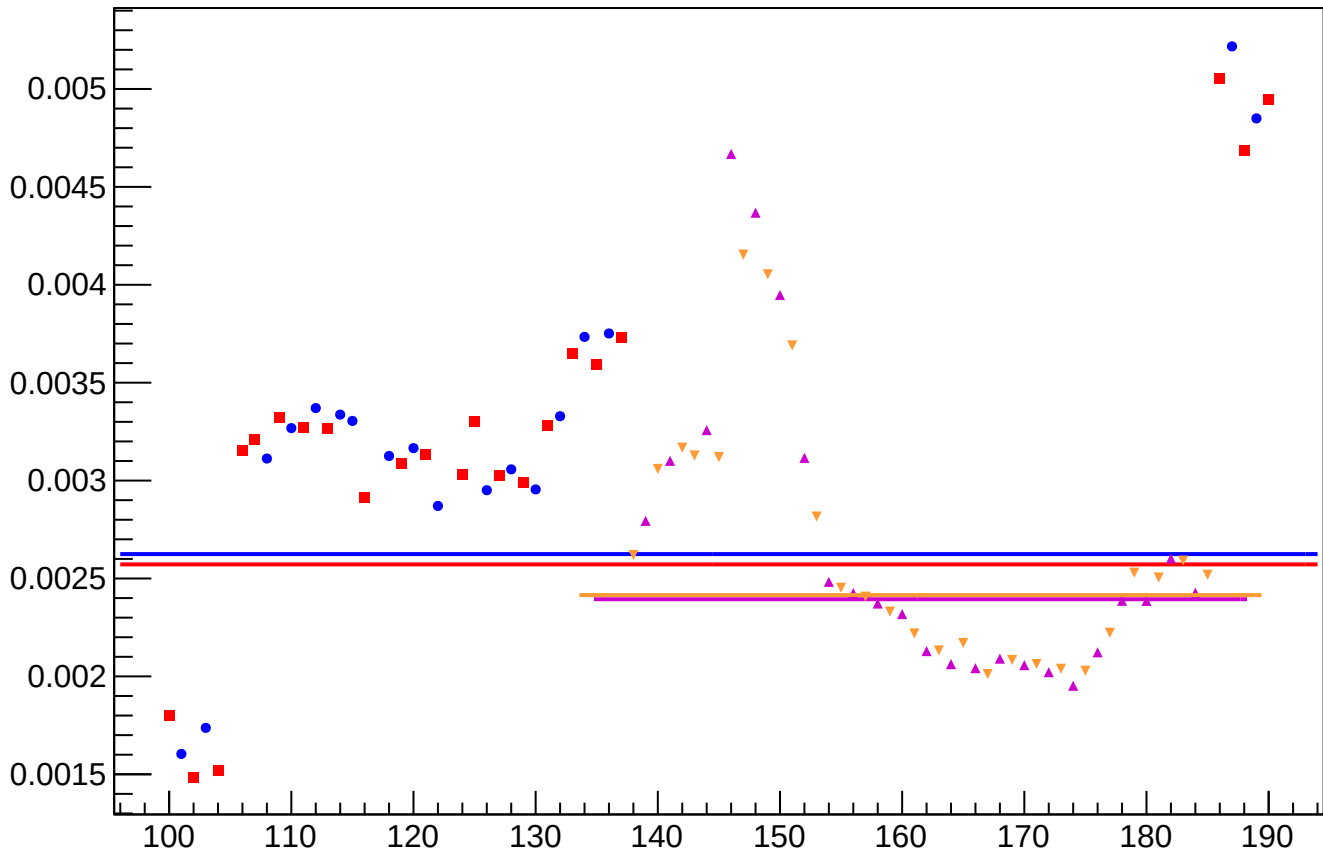
Left In: 0.220+/-0.000 χ^2/NDF : 2121977245985.6/22

+ sign -0.261+/-0.000 χ^2/NDF : 4600207744519.9/4

All: -0.261+/-0.000 χ^2/NDF : 9169811695191

- sign -0.260+/-0.000 χ^2/NDF : 4569599859969.7/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1485309.8/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1220406.4/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 2322390.3/21

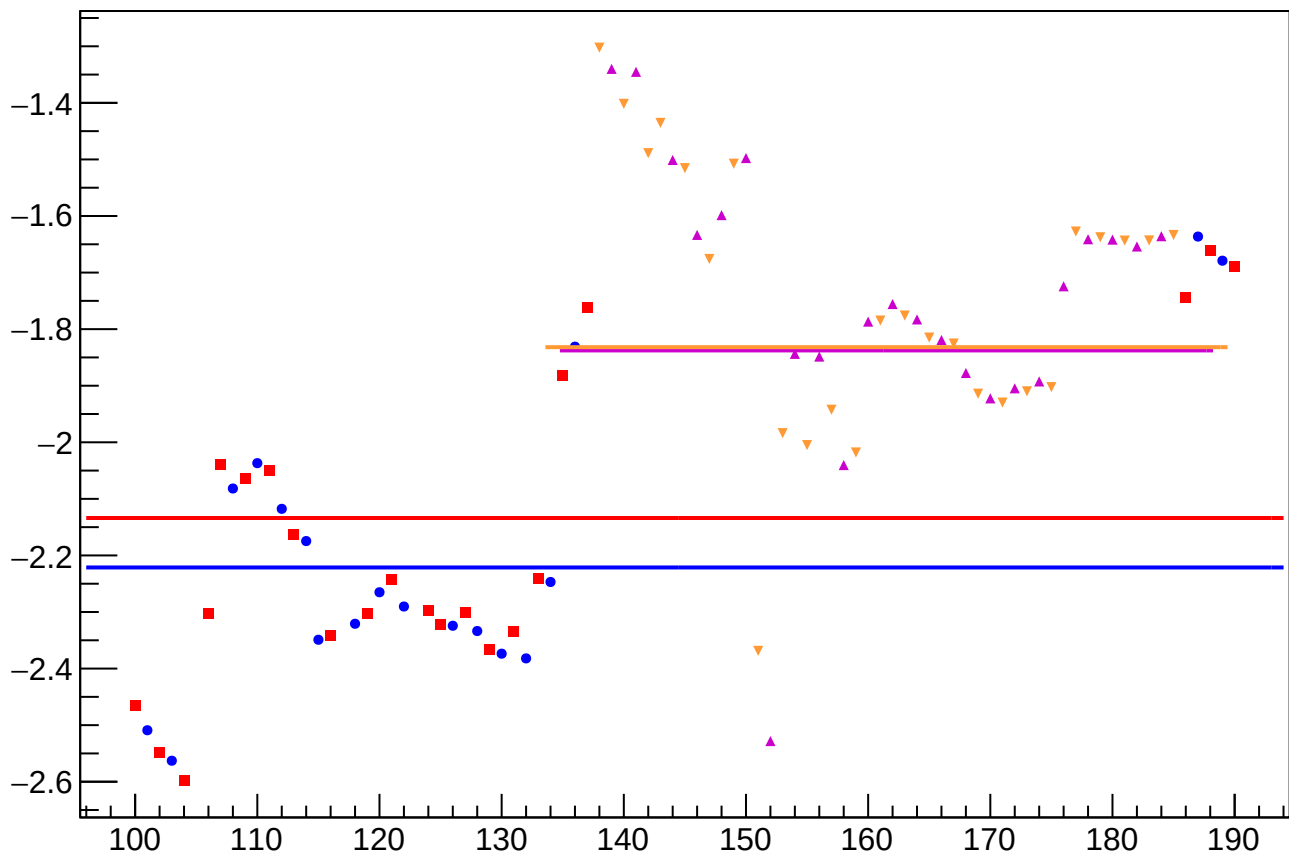
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1409595.4/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2768991.2/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6552509.6/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3781507.7/44

yield_bpm0i01aX_mean vs Slug



Right In: -2.221 $\pm$ 0.000 χ^2 /NDF: 13992417540.2/17

Left Out: -1.832 $\pm$ 0.000 χ^2 /NDF: 38365576589.1/24

Right Out: -2.134 $\pm$ 0.000 χ^2 /NDF: 22869707765.1/21

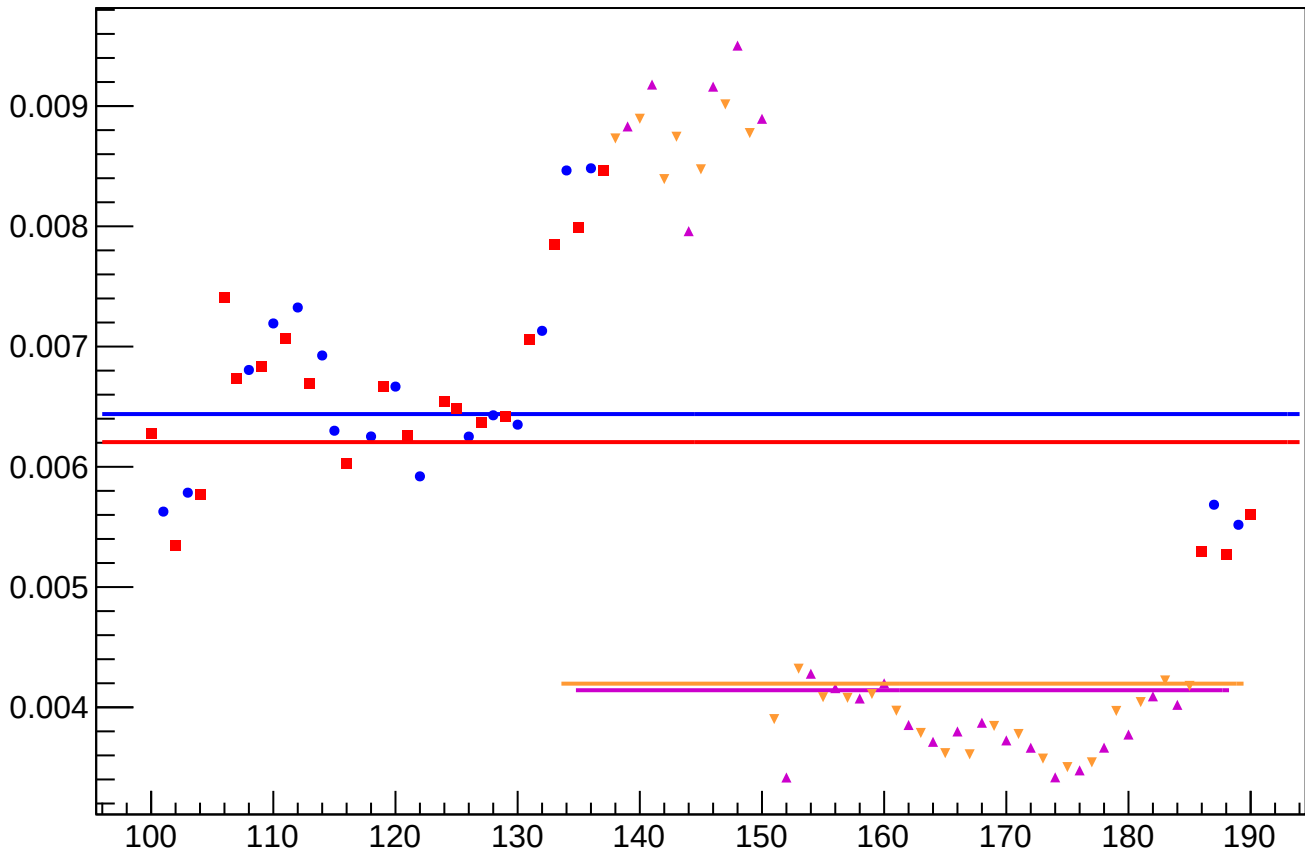
Left In: -1.838 $\pm$ 0.000 χ^2 /NDF: 53437434367.2/22

+ sign -1.893 $\pm$ 0.000 χ^2 /NDF: 75752379422.7/42

All: -1.894 $\pm$ 0.000 χ^2 /NDF: 168065734051.4

- sign -1.895 $\pm$ 0.000 χ^2 /NDF: 92311897318.3/44

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 261829.3/17

Left Out: 0.004+/-0.000 χ^2/NDF :3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 307774.8/21

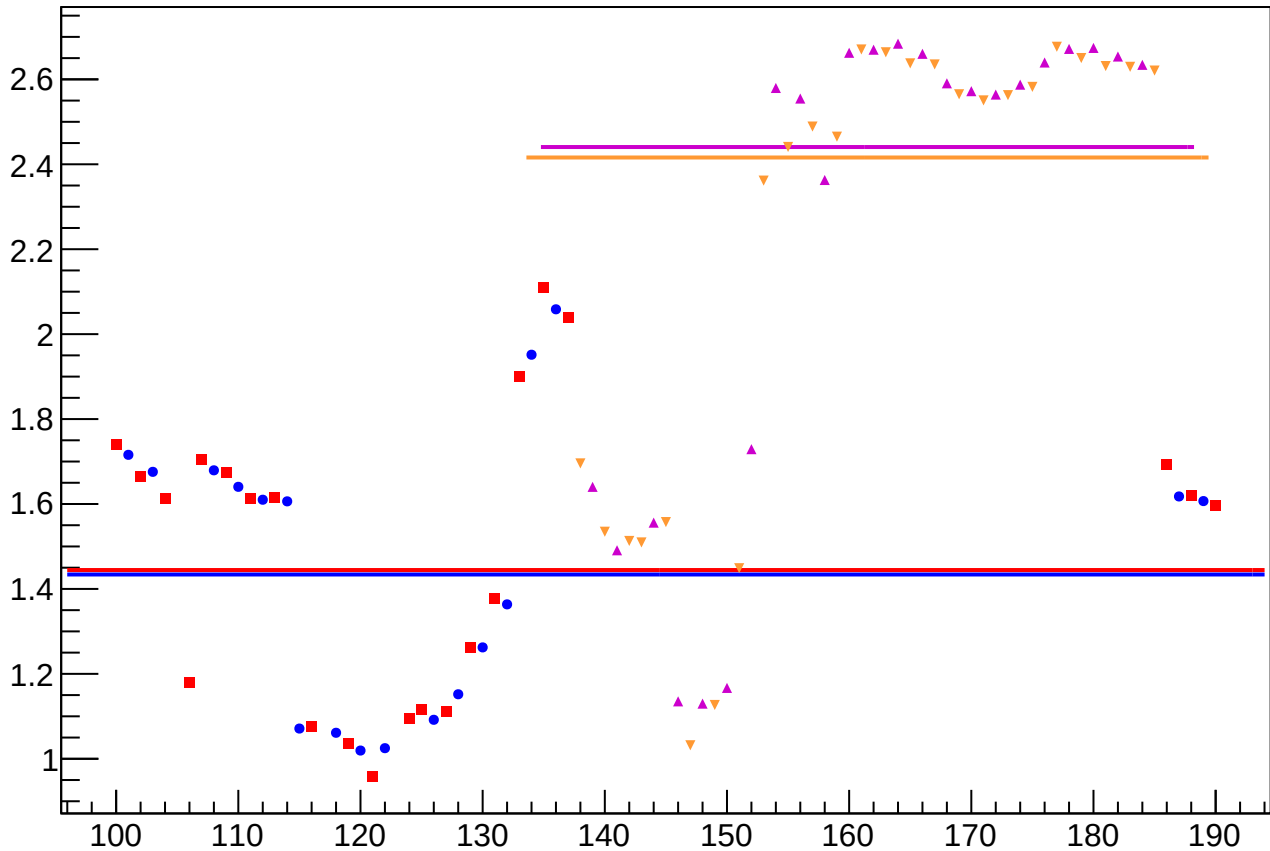
Left In: 0.004+/-0.000 χ^2/NDF :3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF : 4904270.4/42

All: 0.005+/-0.000 χ^2/NDF : 9959313.9/87

- sign 0.005+/-0.000 χ^2/NDF : 5054947.1/44

yield_bpm0i01aY_mean vs Slug



Right In: 1.434 $\pm$ 0.000 χ^2 /NDF: 189952600457.1/17

Left Out: 2.416 $\pm$ 0.000 χ^2 /NDF: 242949391498.0/24

Right Out: 1.445 $\pm$ 0.000 χ^2 /NDF: 184493810124.7/21

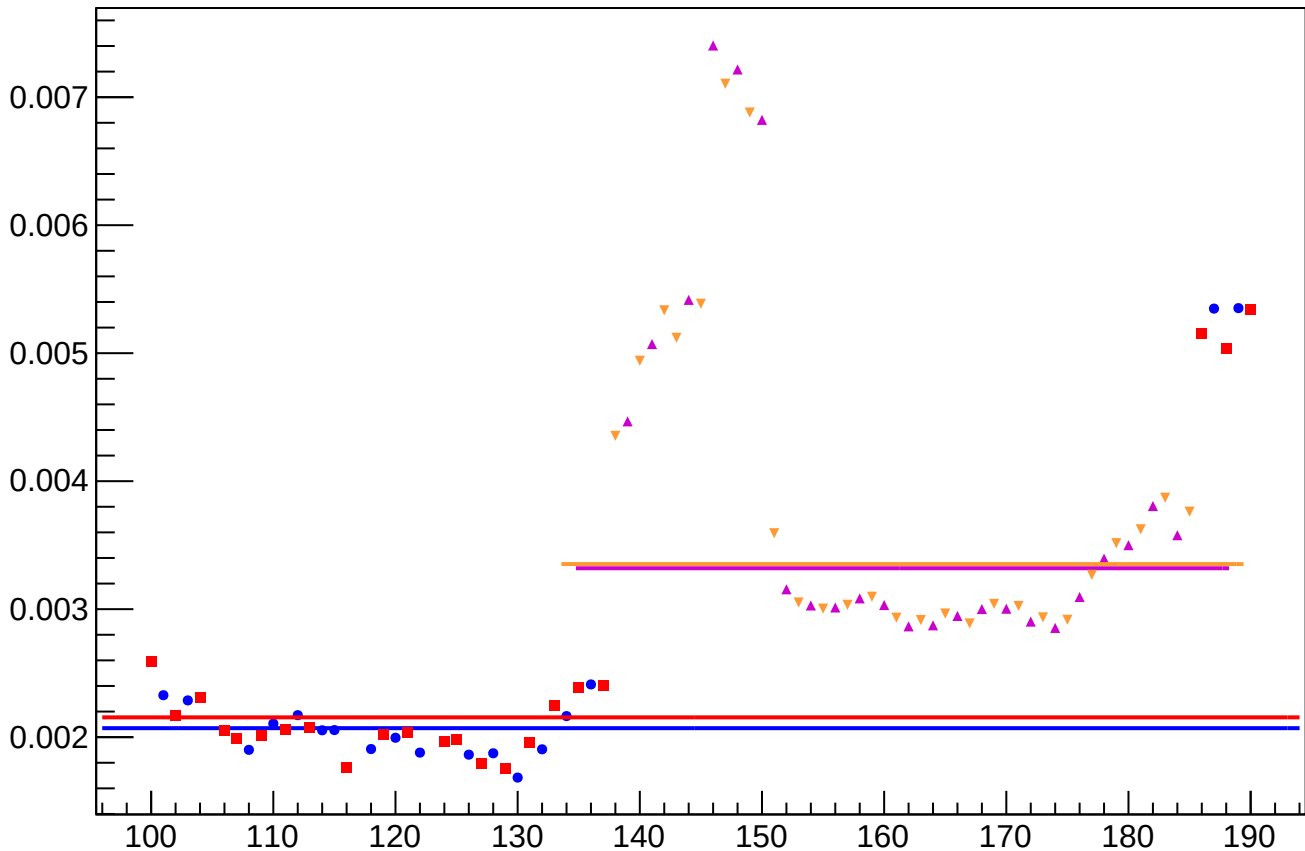
Left In: 2.441 $\pm$ 0.000 χ^2 /NDF: 231724954471.8/22

+ sign 1.910 $\pm$ 0.000 χ^2 /NDF: 1204311304188.8/42

All: 1.909 $\pm$ 0.000 χ^2 /NDF: 2405314657851.0/43

- sign 1.909 $\pm$ 0.000 χ^2 /NDF: 1201001923603.1/44

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 692545.0/17

Left Out: 0.003+/-0.000 χ^2/NDF :1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 1294221.3/21

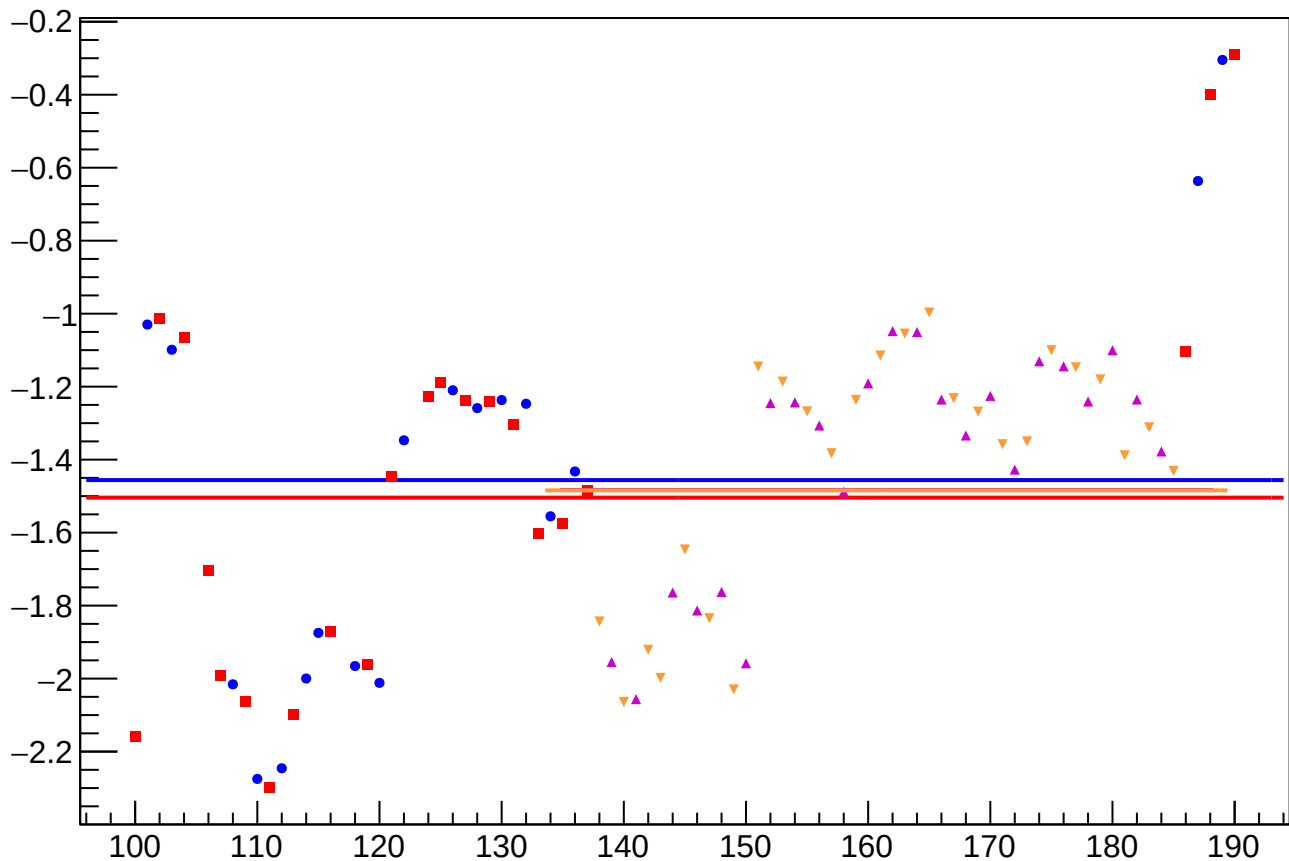
Left In: 0.003+/-0.000 χ^2/NDF :2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 5142399.4/42

All: 0.003+/-0.000 χ^2/NDF : 10638618.2/87

- sign 0.003+/-0.000 χ^2/NDF : 5496093.3/44

yield_bpm0l01X_mean vs Slug



Right In: -1.456+/-0.000 χ^2/NDF : 29861473443.7/17

Left Out: -1.484+/-0.000 χ^2/NDF : 48438764764.6/24

Right Out: -1.504+/-0.000 χ^2/NDF : 47048112005.8/21

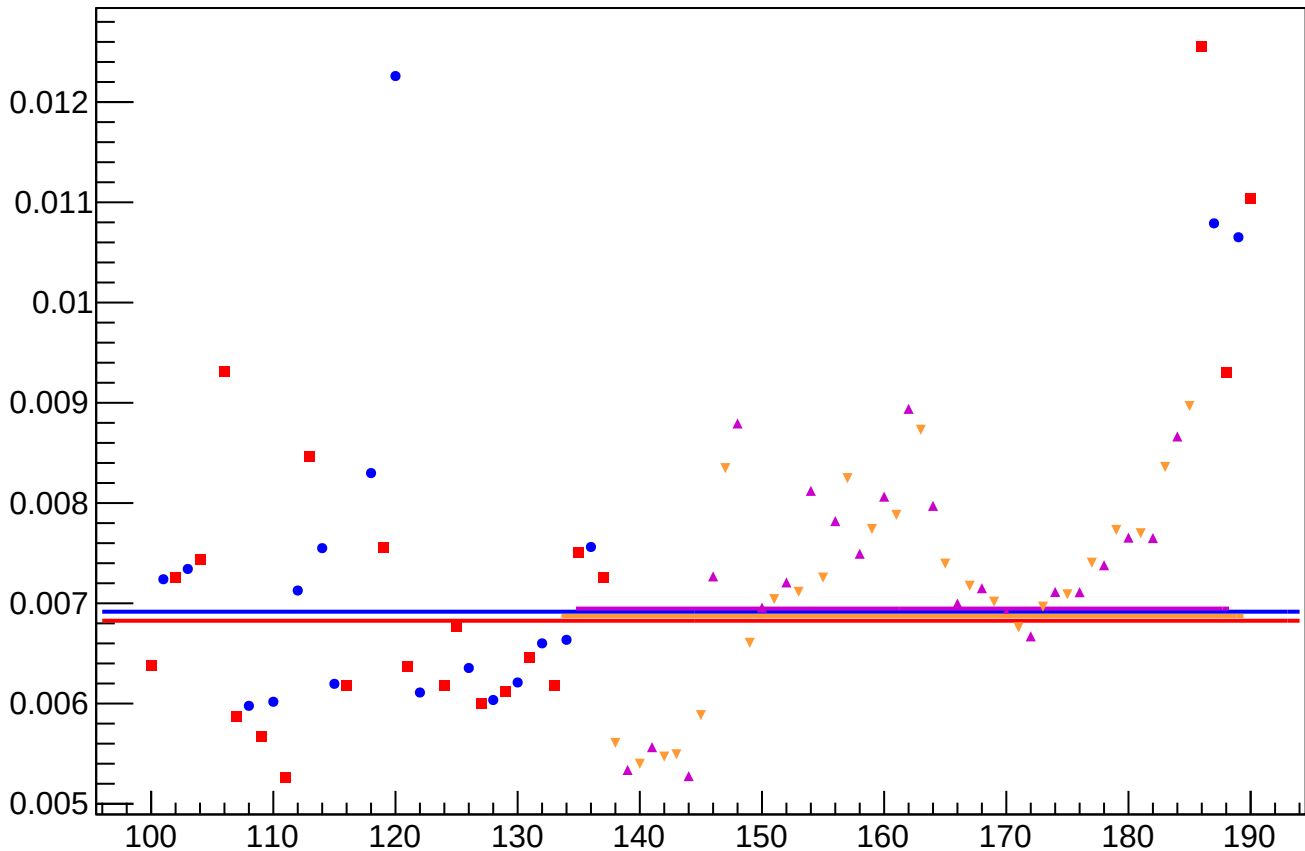
Left In: -1.483+/-0.000 χ^2/NDF : 40353431150.9/22

+ sign -1.476+/-0.000 χ^2/NDF : 78384833342.7/42

All: -1.483+/-0.000 χ^2/NDF : 165889110831.7

- sign -1.490+/-0.000 χ^2/NDF : 87452709032.6/44

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 407375.1/17

Left Out: 0.007+/-0.000 χ^2/NDF : 745531.3/24

Right Out: 0.007+/-0.000 χ^2/NDF : 641752.8/21

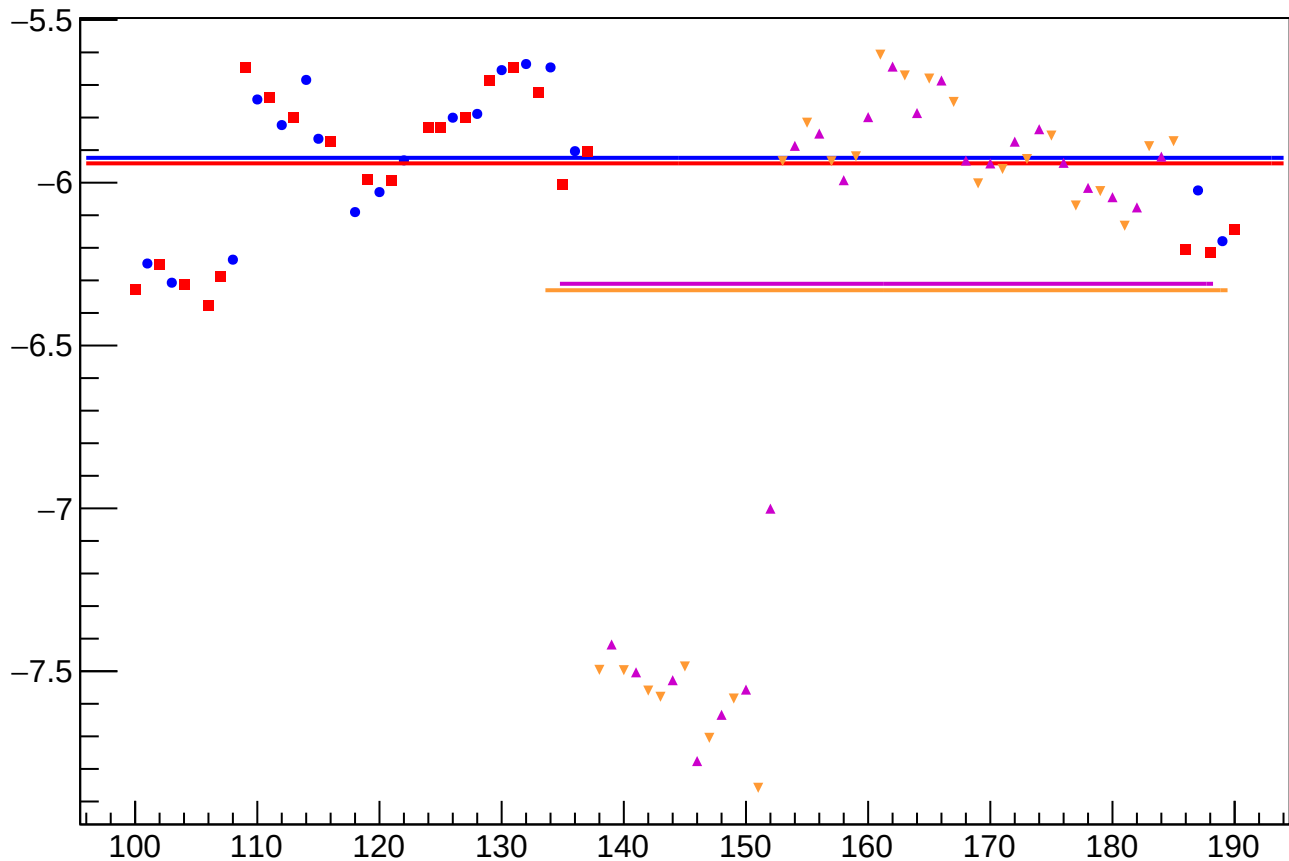
Left In: 0.007+/-0.000 χ^2/NDF : 746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF : 1153290.6/42

All: 0.007+/-0.000 χ^2/NDF : 2545498.9/87

- sign 0.007+/-0.000 χ^2/NDF : 1391970.6/44

yield_bpm0l01Y_mean vs Slug



Right In: -5.924+/-0.000 χ^2/NDF : 11952168281.6/17

Left Out: -6.330+/-0.000 χ^2/NDF : 110328634370.4/24

Right Out: -5.941+/-0.000 χ^2/NDF : 13367831536.6/21

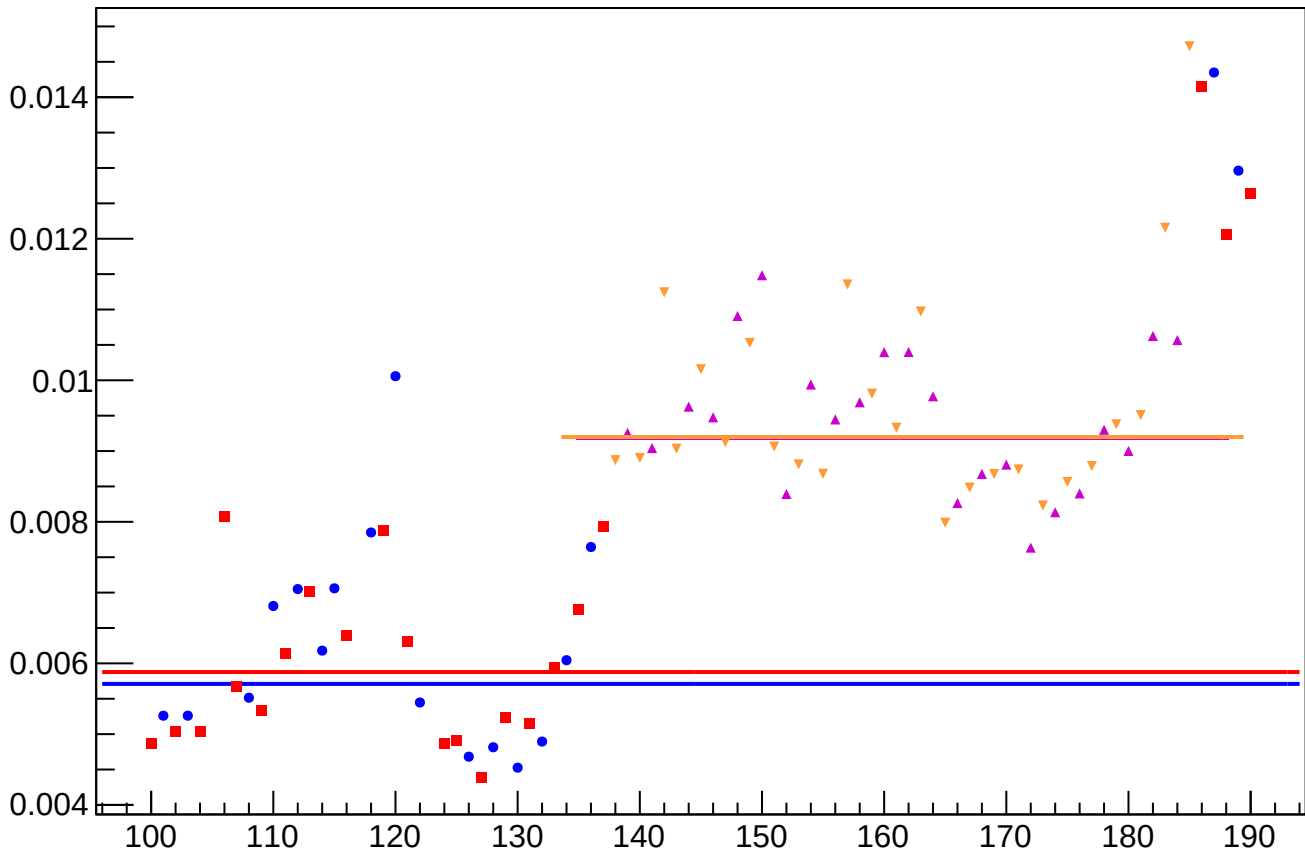
Left In: -6.310+/-0.000 χ^2/NDF : 91689184100.9/22

+ sign -6.121+/-0.000 χ^2/NDF : 138493701704.6/42

All: -6.115+/-0.000 χ^2/NDF : 257252738233.6

- sign -6.108+/-0.000 χ^2/NDF : 118724767661.4/44

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 941411.8/17

Left Out: 0.009+/-0.000 χ^2/NDF : 367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1334891.1/21

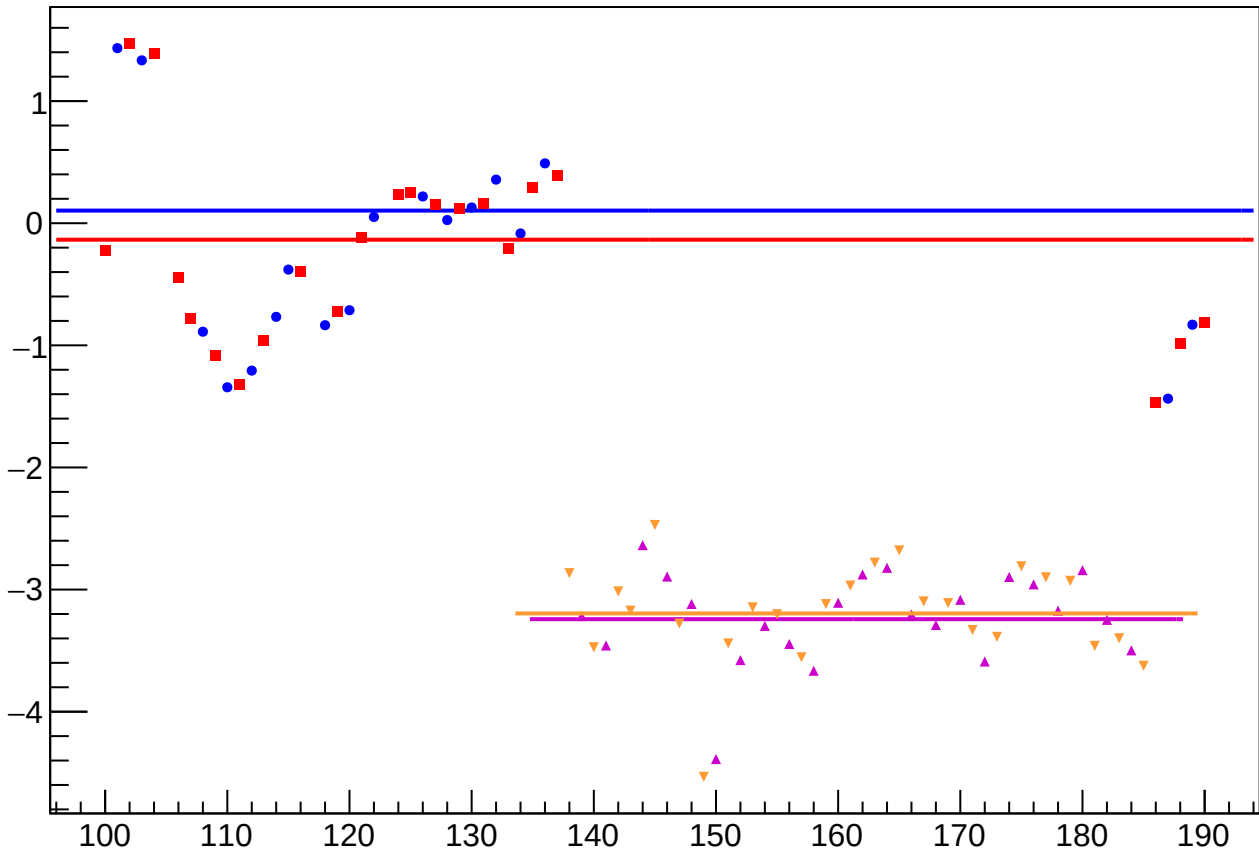
Left In: 0.009+/-0.000 χ^2/NDF : 319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 3696428.2/42

All: 0.007+/-0.000 χ^2/NDF : 7537071.4/87

- sign 0.007+/-0.000 χ^2/NDF : 3840283.1/44

yield_bpm0l02X_mean vs Slug



Right In: 0.103 ± 0.000 $\chi^2/\text{NDF}: 20195196982.9/17$

Left Out: -3.195 ± 0.000 $\chi^2/\text{NDF}: 9538006171.4/24$

Right Out: -0.135 ± 0.000 $\chi^2/\text{NDF}: 27330988943.7/21$

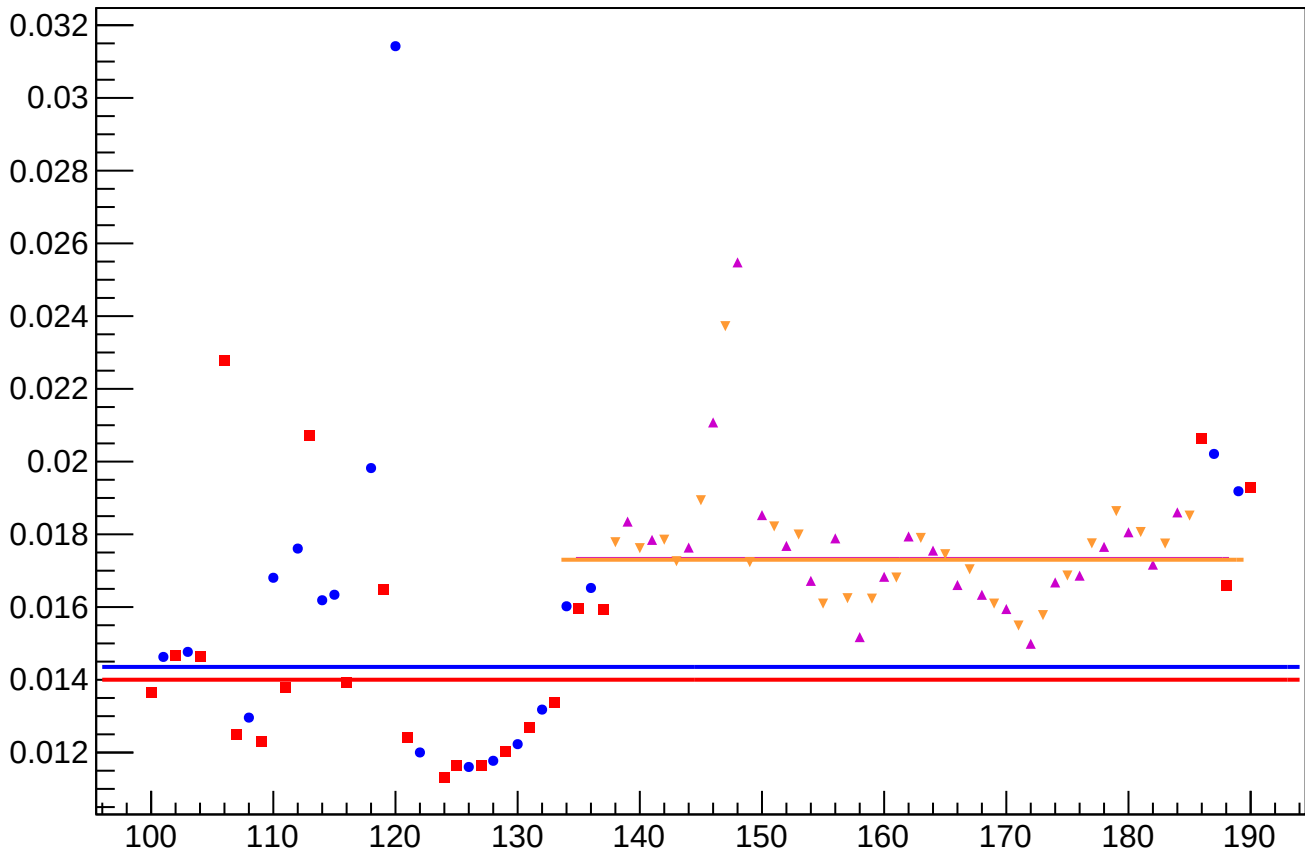
Left In: -3.242 ± 0.000 $\chi^2/\text{NDF}: 7955956403.6/22$

+ sign -2.037 ± 0.000 $\chi^2/\text{NDF}: 266908108053.3/42$

All: -1.987 ± 0.000 $\chi^2/\text{NDF}: 539291357968.4$

- sign -1.939 ± 0.000 $\chi^2/\text{NDF}: 271908084928.4/44$

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 561295.7/17

Left Out: 0.017+/-0.000 χ^2/NDF : 218030.0/24

Right Out: 0.014+/-0.000 χ^2/NDF : 500033.9/21

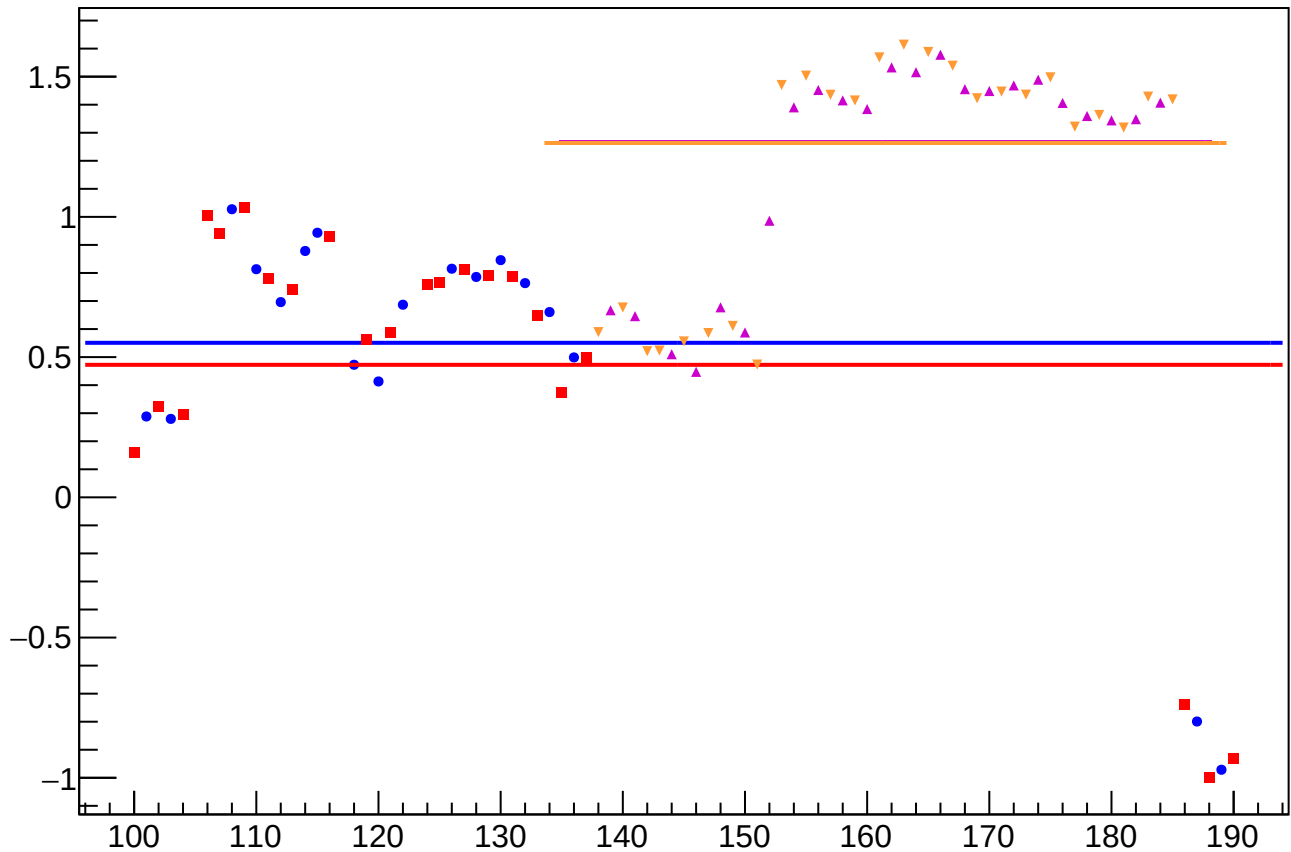
Left In: 0.017+/-0.000 χ^2/NDF : 329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF : 1157979.5/42

All: 0.016+/-0.000 χ^2/NDF : 2539469.8/87

- sign 0.016+/-0.000 χ^2/NDF : 1370366.2/44

yield_bpm0l02Y_mean vs Slug



Right In: 0.551 $\pm$ 0.000 χ^2 /NDF: 14550934799.4/17

Left Out: 1.263 $\pm$ 0.000 χ^2 /NDF: 45594559273.0/24

Right Out: 0.472 $\pm$ 0.000 χ^2 /NDF: 29958386379.9/21

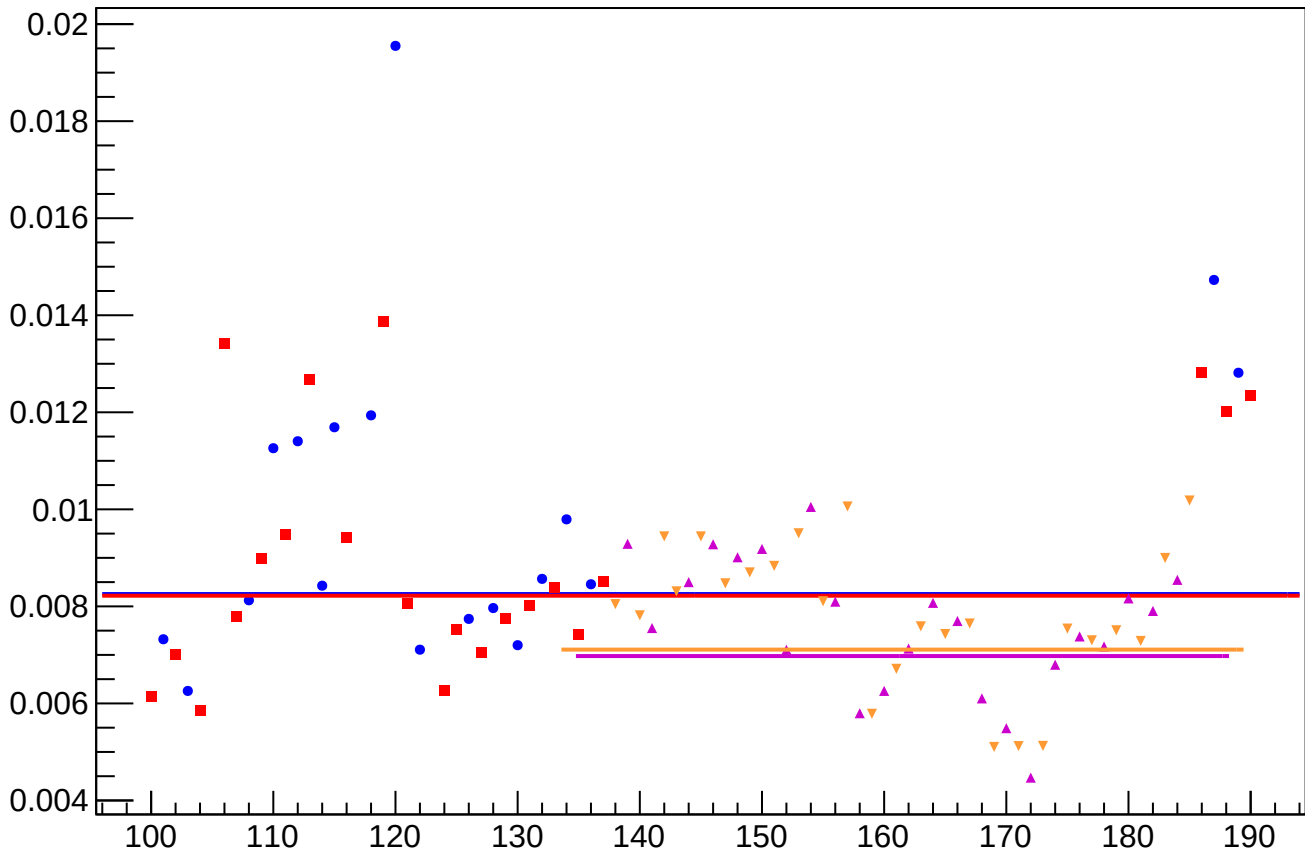
Left In: 1.267 $\pm$ 0.000 χ^2 /NDF: 37614918579.9/22

+ sign 1.102 $\pm$ 0.000 χ^2 /NDF: 98769841088.3/42

All: 1.082 $\pm$ 0.000 χ^2 /NDF: 221022425710.7

- sign 1.062 $\pm$ 0.000 χ^2 /NDF: 121892640944.8/44

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 798340.1/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 1519295.8/24

Right Out: 0.008 ± 0.000 χ^2/NDF : 976107.7/21

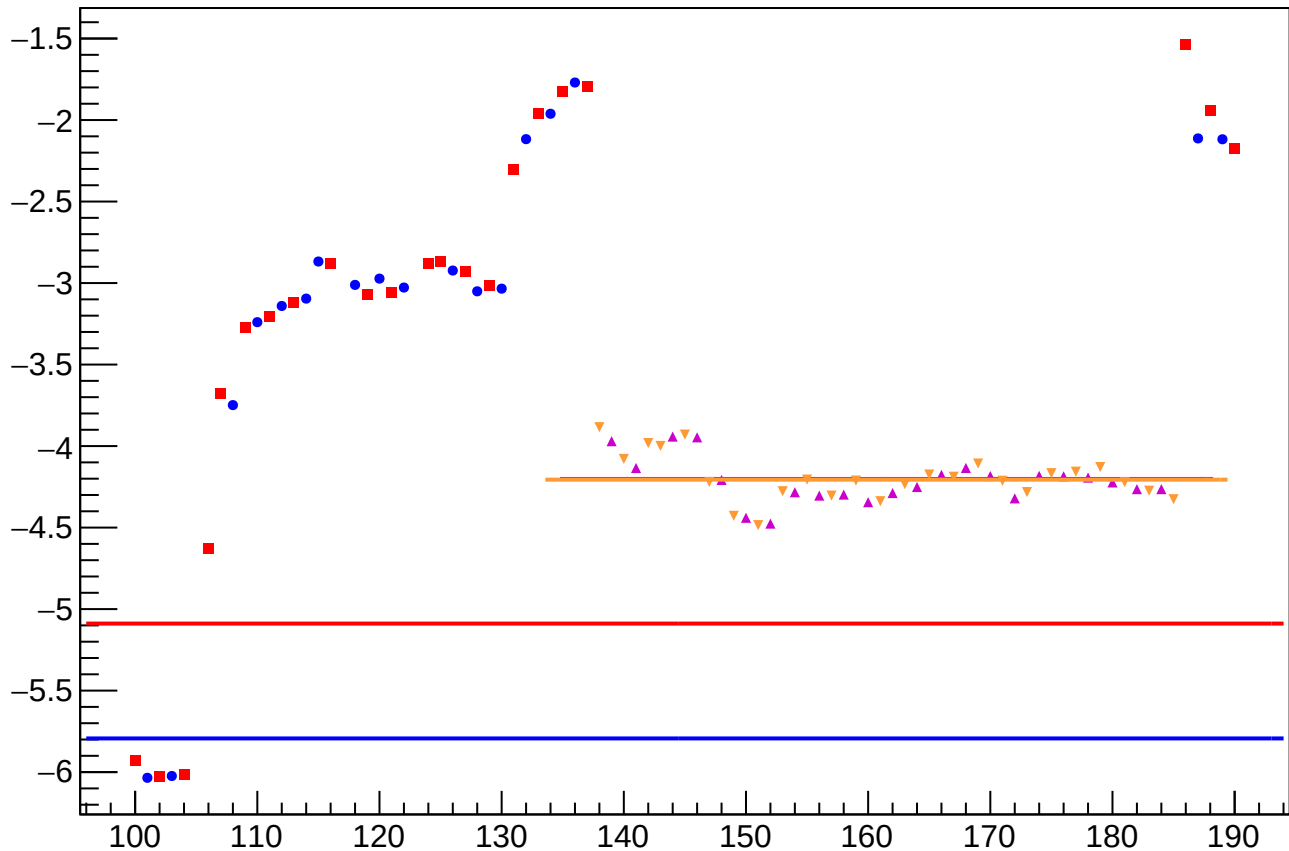
Left In: 0.007 ± 0.000 χ^2/NDF : 1457031.8/22

+ sign 0.007 ± 0.000 χ^2/NDF : 2517114.5/42

All: 0.007 ± 0.000 χ^2/NDF : 5218964.7/87

- sign 0.007 ± 0.000 χ^2/NDF : 2699617.7/44

yield_bpm0l03X_mean vs Slug



Right In: -5.793+/-0.000 χ^2 /NDF: 44935519844.9/17

Left Out: -4.206+/-0.000 χ^2 /NDF: 61558336.8/24

Right Out: -5.089+/-0.000 χ^2 /NDF: 158236998591.8/21

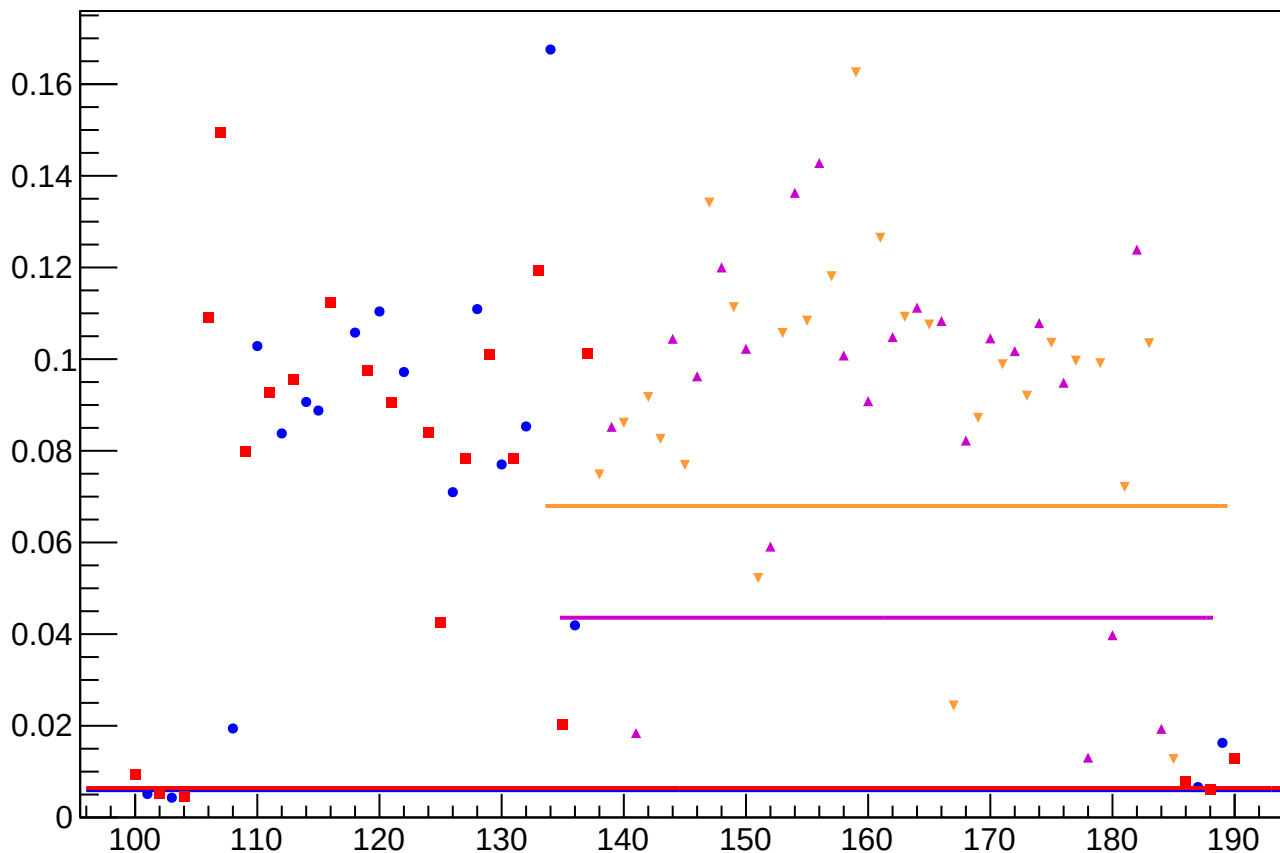
Left In: -4.202+/-0.000 χ^2 /NDF: 42747893.4/22

+ sign -5.719+/-0.000 χ^2 /NDF: 51385489150.1/42

All: -5.369+/-0.000 χ^2 /NDF: 226337250767.4

- sign -5.026+/-0.000 χ^2 /NDF: 161270345157.6/44

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8796565.9/17

Left Out: 0.068 $\pm$ 0.000 χ^2 /NDF:7631751.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8793739.0/21

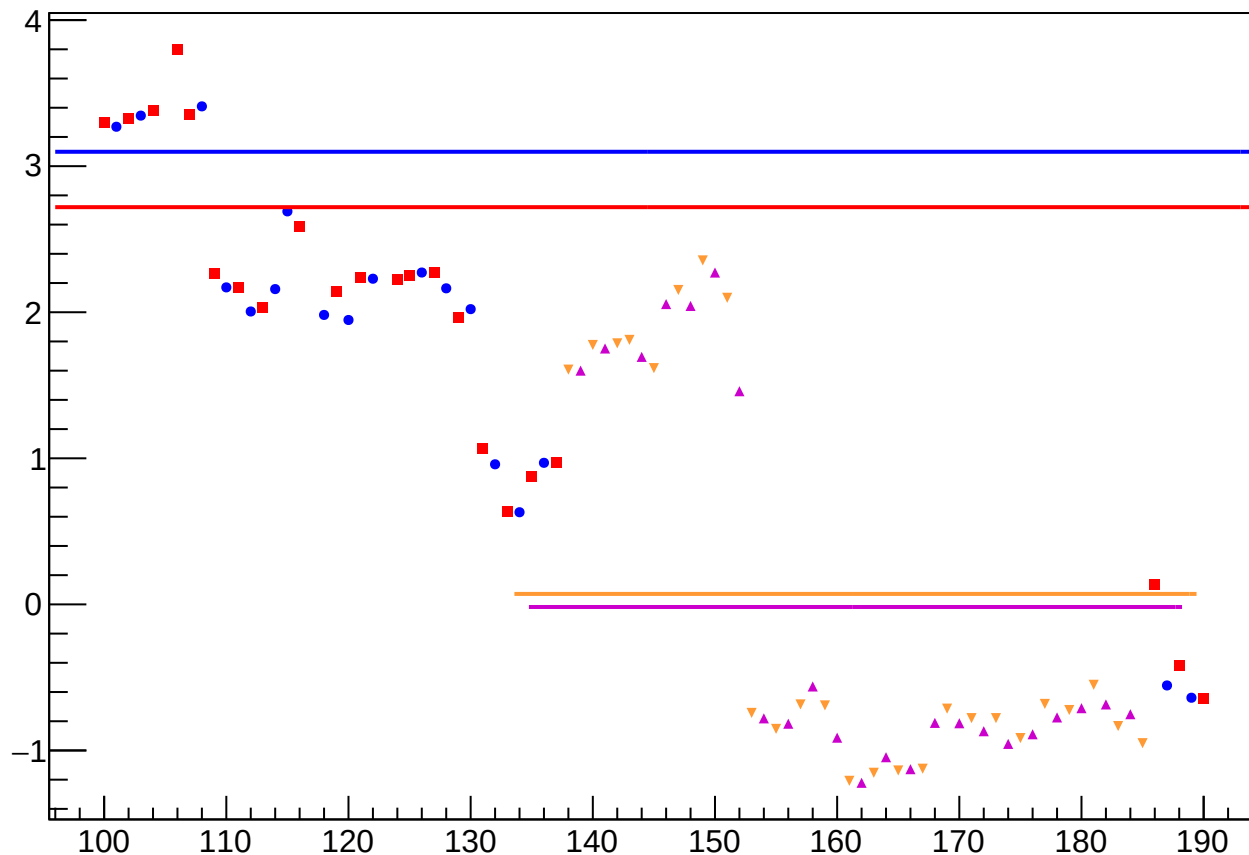
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF:12761920.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 35919632.8/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 67971365.7/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 32049572.2/44

yield_bpm0l03Y_mean vs Slug



Right In: 3.099 $\pm$ 0.000 χ^2 /NDF: 22243983479.9/17

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 3635027099.6/24

Right Out: 2.719 $\pm$ 0.000 χ^2 /NDF: 64594086440.3/21

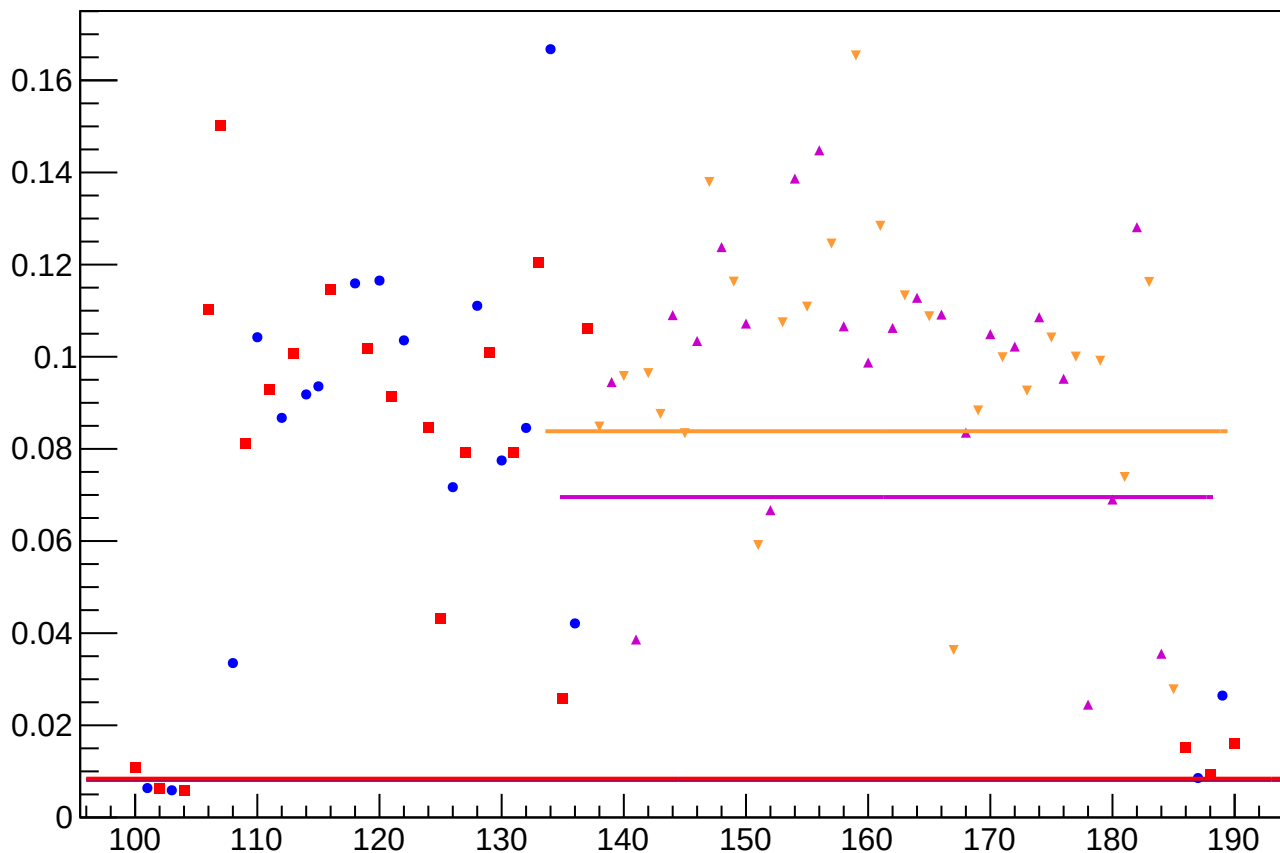
Left In: -0.018 $\pm$ 0.000 χ^2 /NDF: 3455714643.1/22

+ sign 2.918 $\pm$ 0.000 χ^2 /NDF: 43603311140.4/42

All: 2.724 $\pm$ 0.000 χ^2 /NDF: 130823107769.5

- sign 2.544 $\pm$ 0.000 χ^2 /NDF: 84724169662.3/44

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 8575905.6/17

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:3830160.2/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8669569.7/21

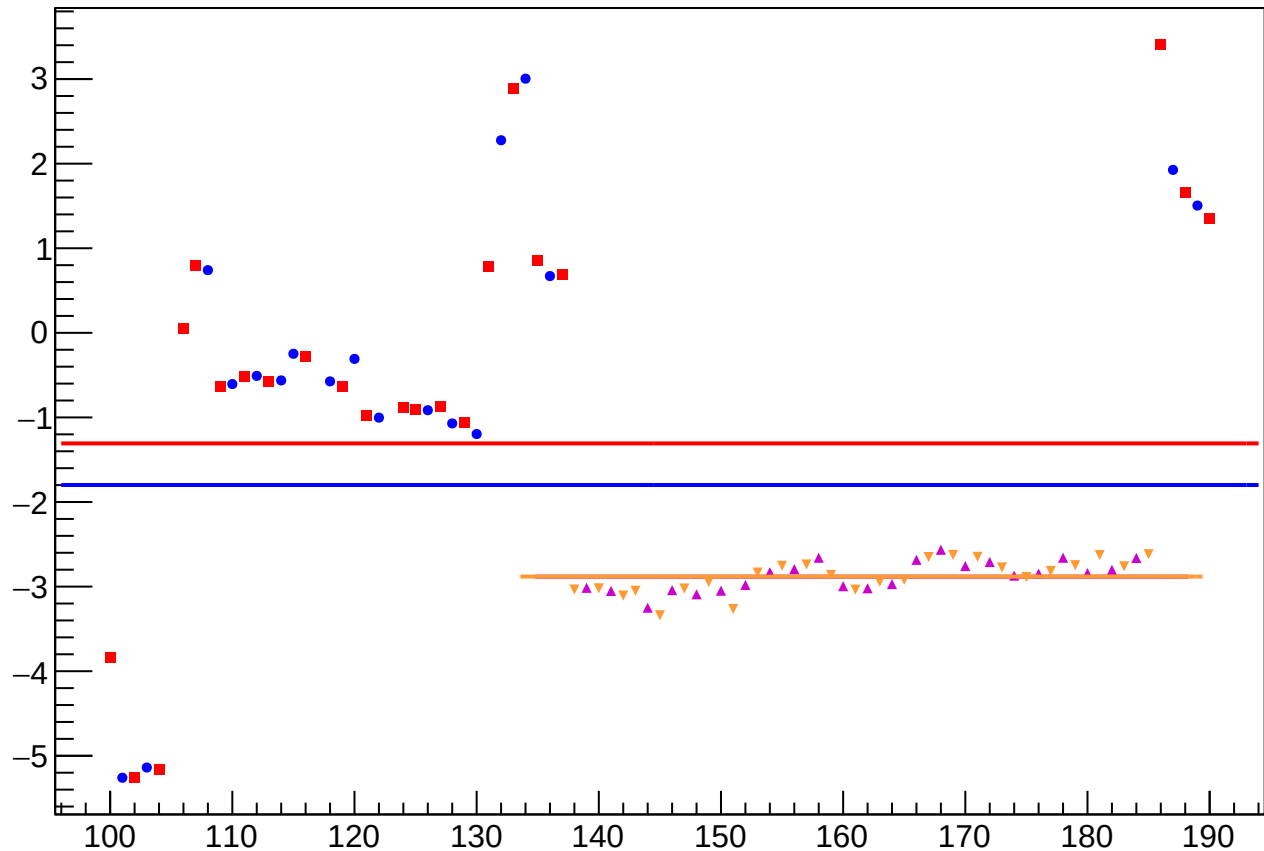
Left In: 0.070 $\pm$ 0.000 χ^2 /NDF:6697383.9/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 34550401.1/42

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 66554227.9/87

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 31999071.1/44

yield_bpm0l04X_mean vs Slug



Right In: -1.799+/-0.000 χ^2 /NDF: 176041840375.2/17

Left Out: -2.881+/-0.000 χ^2 /NDF: 10553050715.1/24

Right Out: -1.307+/-0.000 χ^2 /NDF: 206001148349.3/21

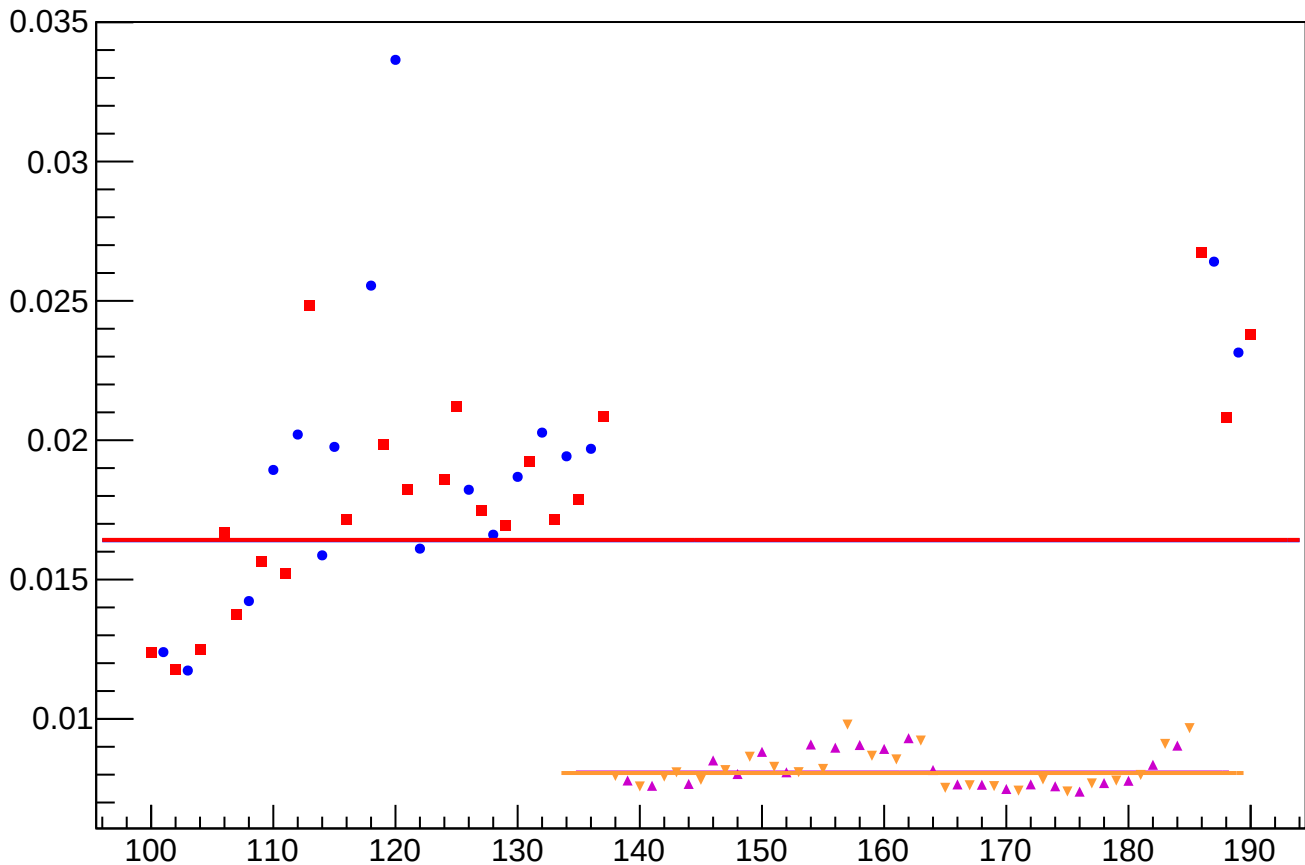
Left In: -2.882+/-0.000 χ^2 /NDF: 8300047325.0/22

+ sign -2.797+/-0.000 χ^2 /NDF: 212344283456.8/42

All: -2.763+/-0.000 χ^2 /NDF: 492376201838.7

- sign -2.728+/-0.000 χ^2 /NDF: 279307634350.1/44

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 873060.4/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:185446.1/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 780628.4/21

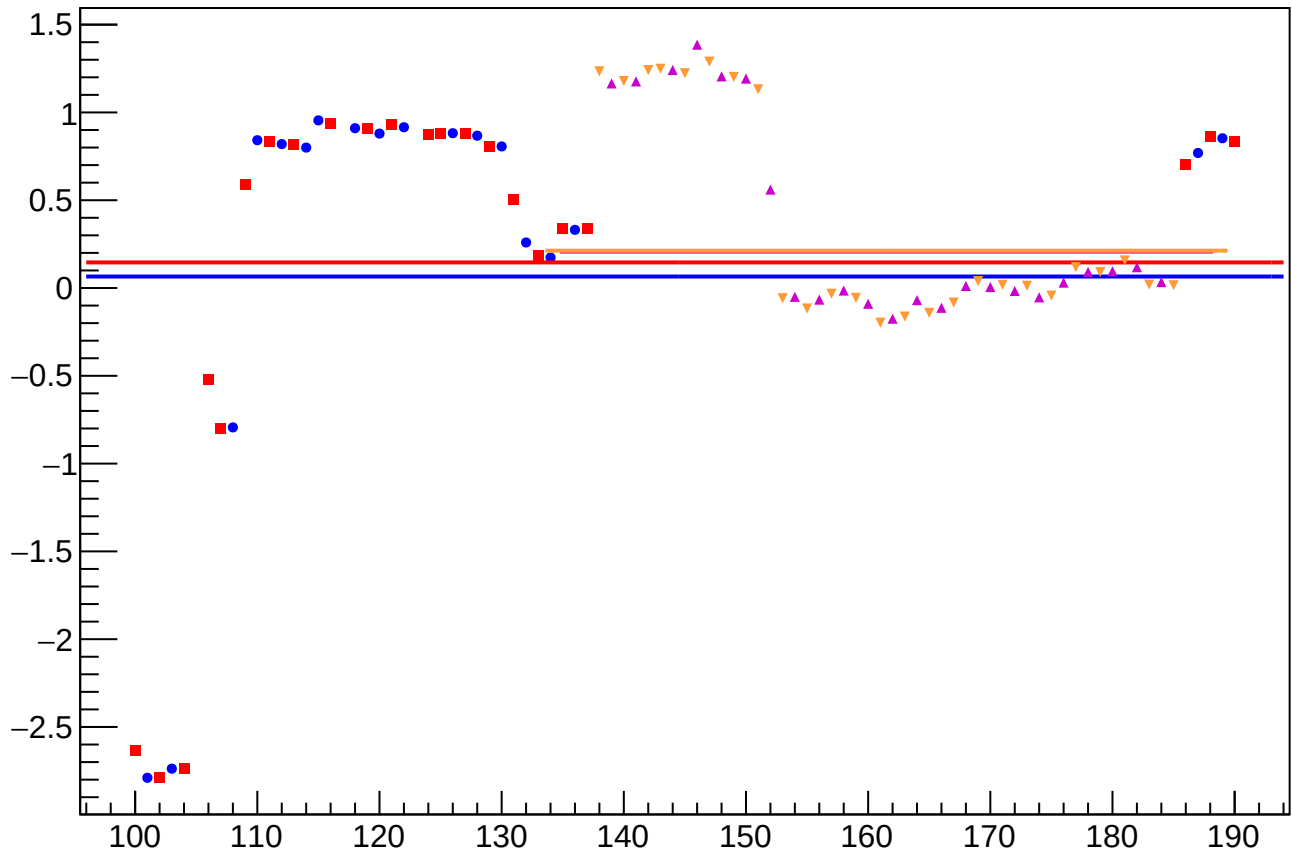
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:181843.4/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4123121.2/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 8745349.7/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4611285.0/44

yield_bpm0l04Y_mean vs Slug



Right In: 0.066+/-0.000 χ^2/NDF : 866520889042.3/17

Left Out: 0.213+/-0.000 χ^2/NDF : 102819241186.2/24

Right Out: 0.146+/-0.000 χ^2/NDF : 969786572145.4/21

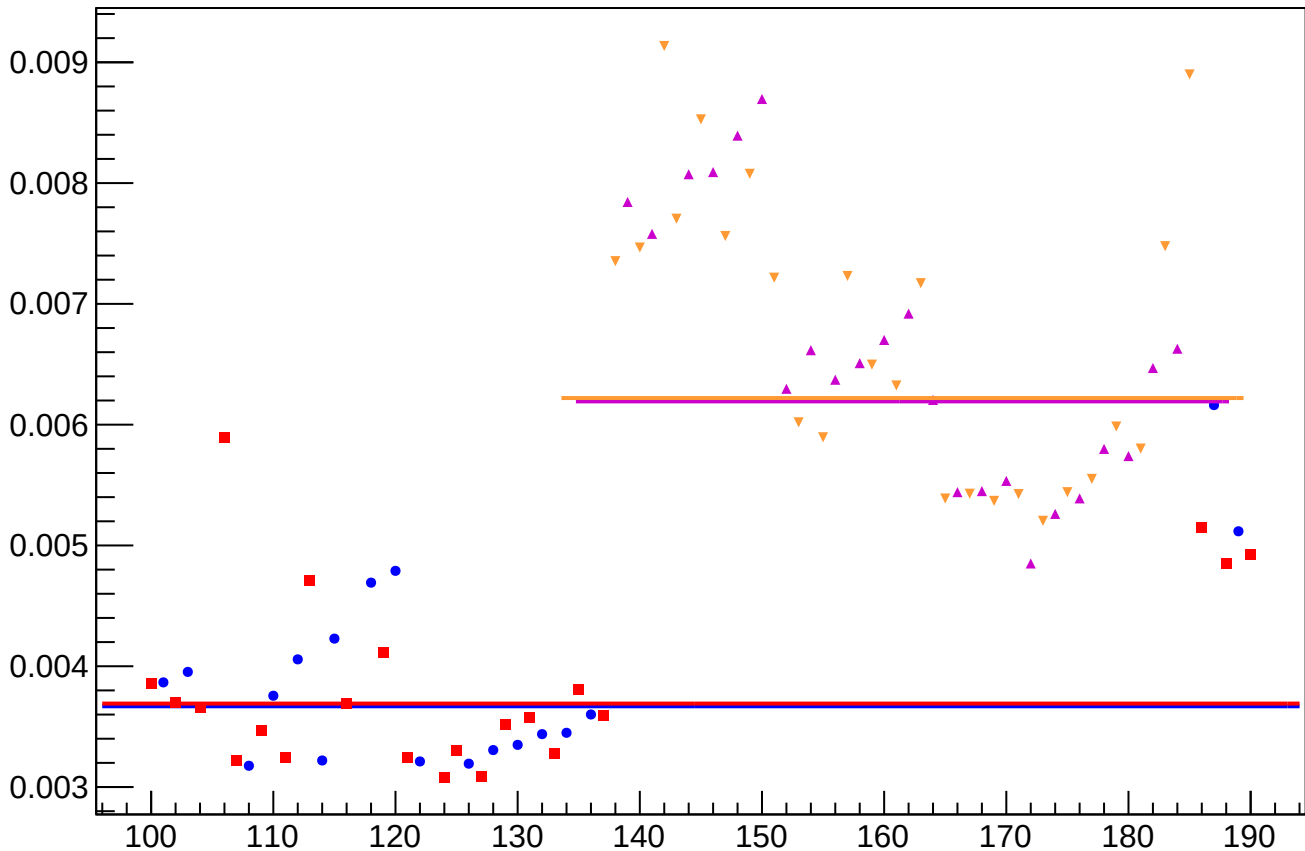
Left In: 0.207+/-0.000 χ^2/NDF : 87109076861.7/22

+ sign 0.131+/-0.000 χ^2/NDF : 974551750524.6/42

All: 0.151+/-0.000 χ^2/NDF : 2033189909721.

- sign 0.170+/-0.000 χ^2/NDF : 1057840150300.1/44

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 321743.9/17

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:813678.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 455253.9/21

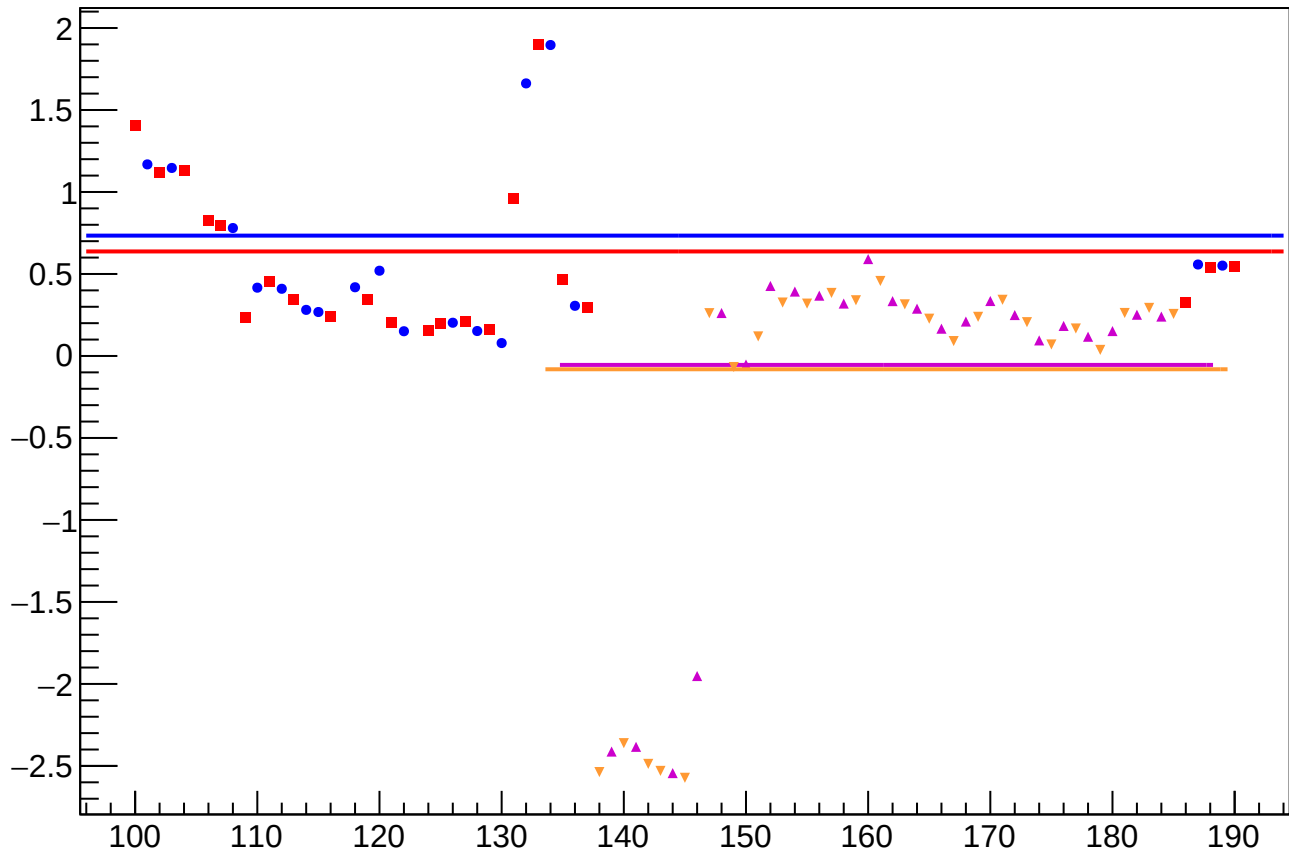
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:816234.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4266465.8/42

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 8666076.9/87

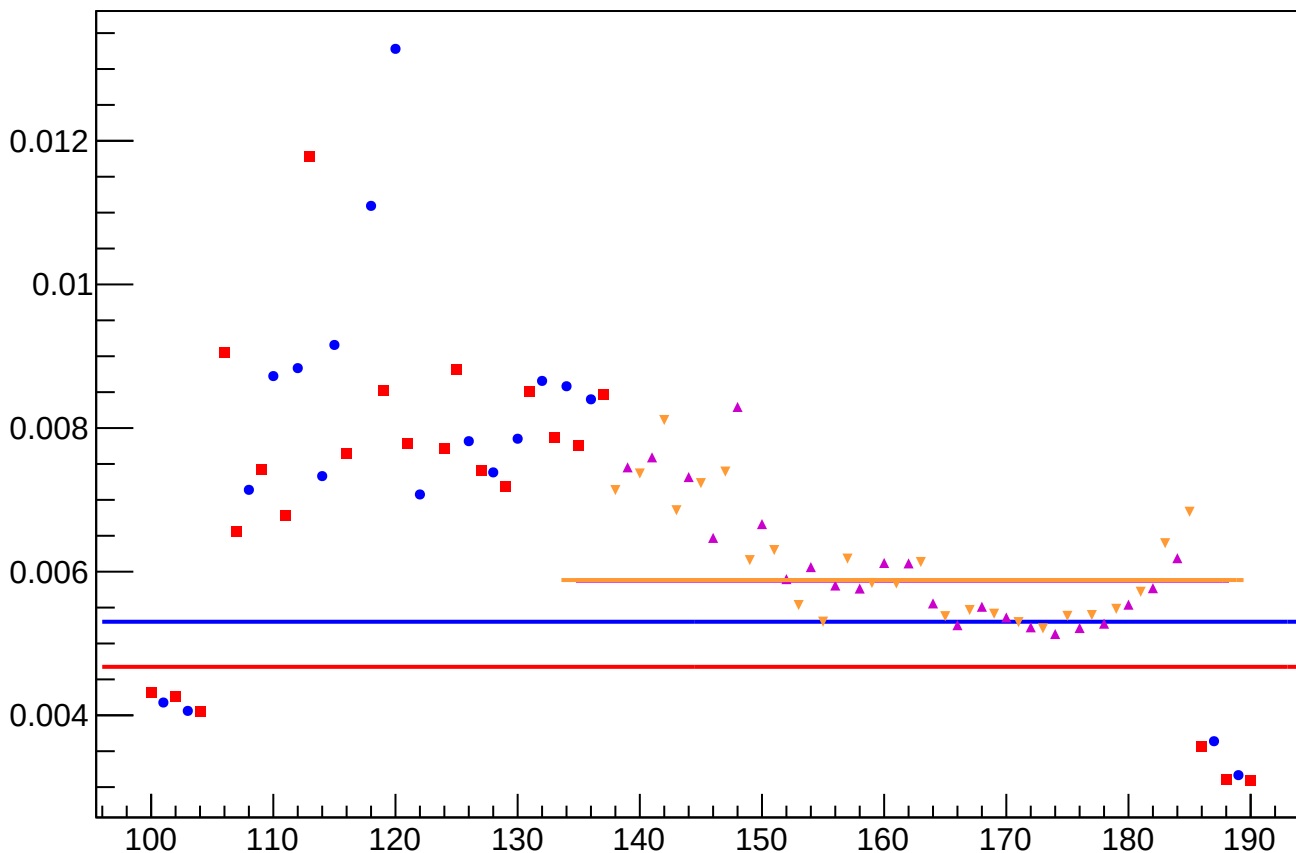
- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4387558.2/44

yield_bpm0l05X_mean vs Slug



Right In: 0.734+/-0.000	χ^2/NDF : 38451357600.4/17	+ sign 0.156+/-0.000	χ^2/NDF : 524818591795.4/42
Left Out: -0.081+/-0.000	χ^2/NDF : 388332231902.9/24	All: 0.189+/-0.000	χ^2/NDF : 1006939981338.
Right Out: 0.637+/-0.000	χ^2/NDF : 41762724490.4/21	- sign 0.219+/-0.000	χ^2/NDF : 480627618416.4/44
Left In: -0.055+/-0.000	χ^2/NDF : 347072248163.0/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2195774.6/17

Left Out: 0.006+/-0.000 χ^2/NDF : 457789.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2620311.4/21

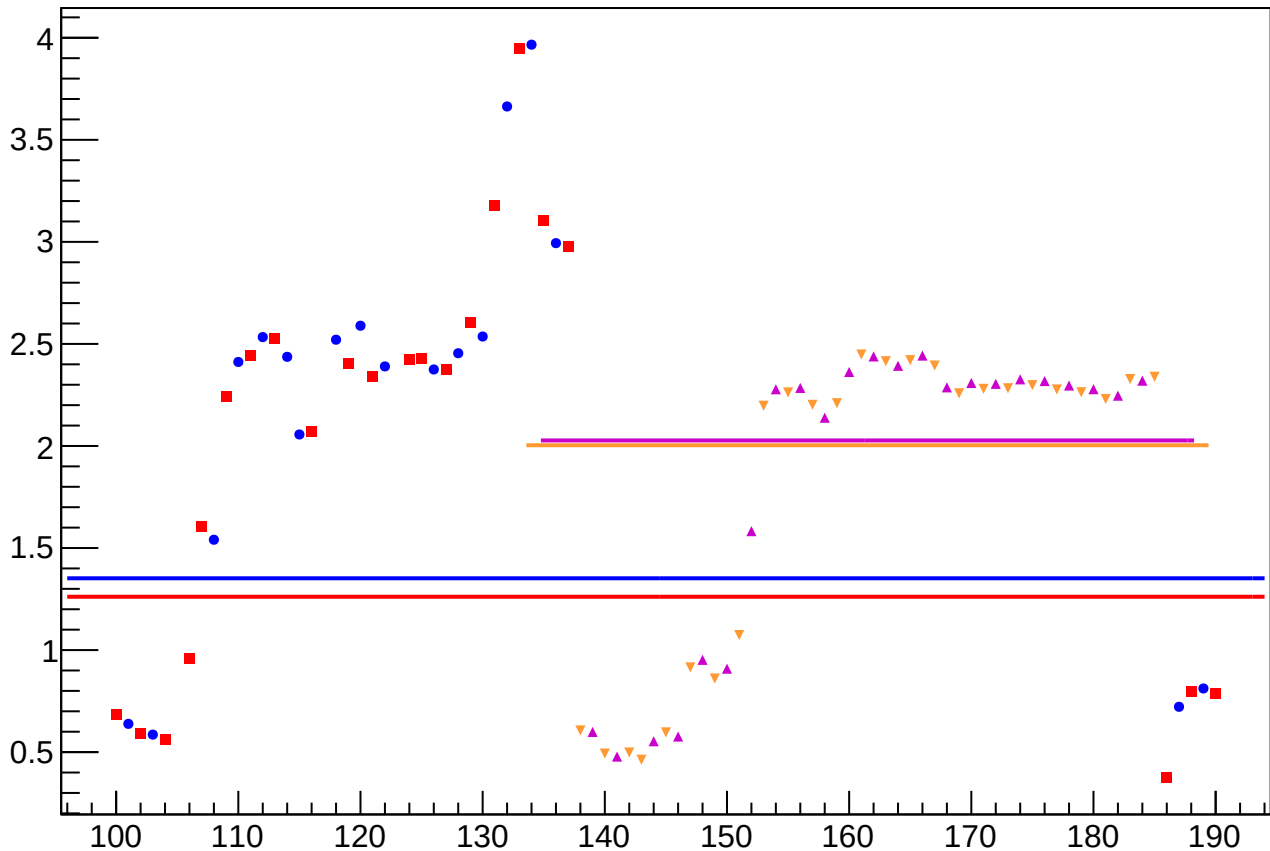
Left In: 0.006+/-0.000 χ^2/NDF : 521878.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 2753081.1/42

All: 0.006+/-0.000 χ^2/NDF : 6521702.1/87

- sign 0.005+/-0.000 χ^2/NDF : 3694018.7/44

yield_bpm0l05Y_mean vs Slug



Right In: 1.352 $\pm$ 0.000 χ^2 /NDF: 179465055377.7/17

Left Out: 2.004 $\pm$ 0.000 χ^2 /NDF: 219172813454.7/24

Right Out: 1.261 $\pm$ 0.000 χ^2 /NDF: 217677835206.1/21

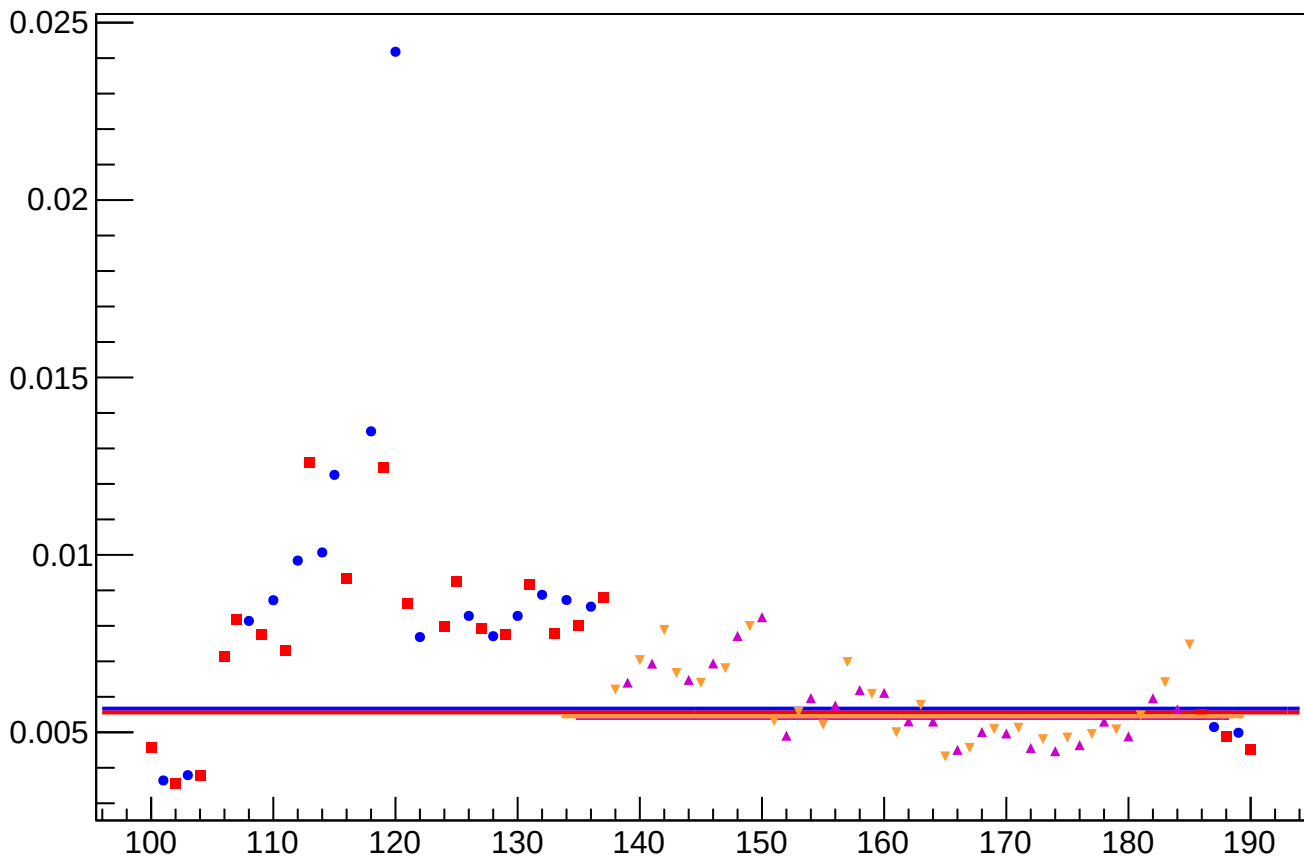
Left In: 2.027 $\pm$ 0.000 χ^2 /NDF: 194461333084.6/22

+ sign 1.846 $\pm$ 0.000 χ^2 /NDF: 455398397146.9/42

All: 1.821 $\pm$ 0.000 χ^2 /NDF: 962275980924.8

- sign 1.797 $\pm$ 0.000 χ^2 /NDF: 505981853242.2/44

yield_bpm0l05Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2239886.5/17

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 771417.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 2046264.7/21

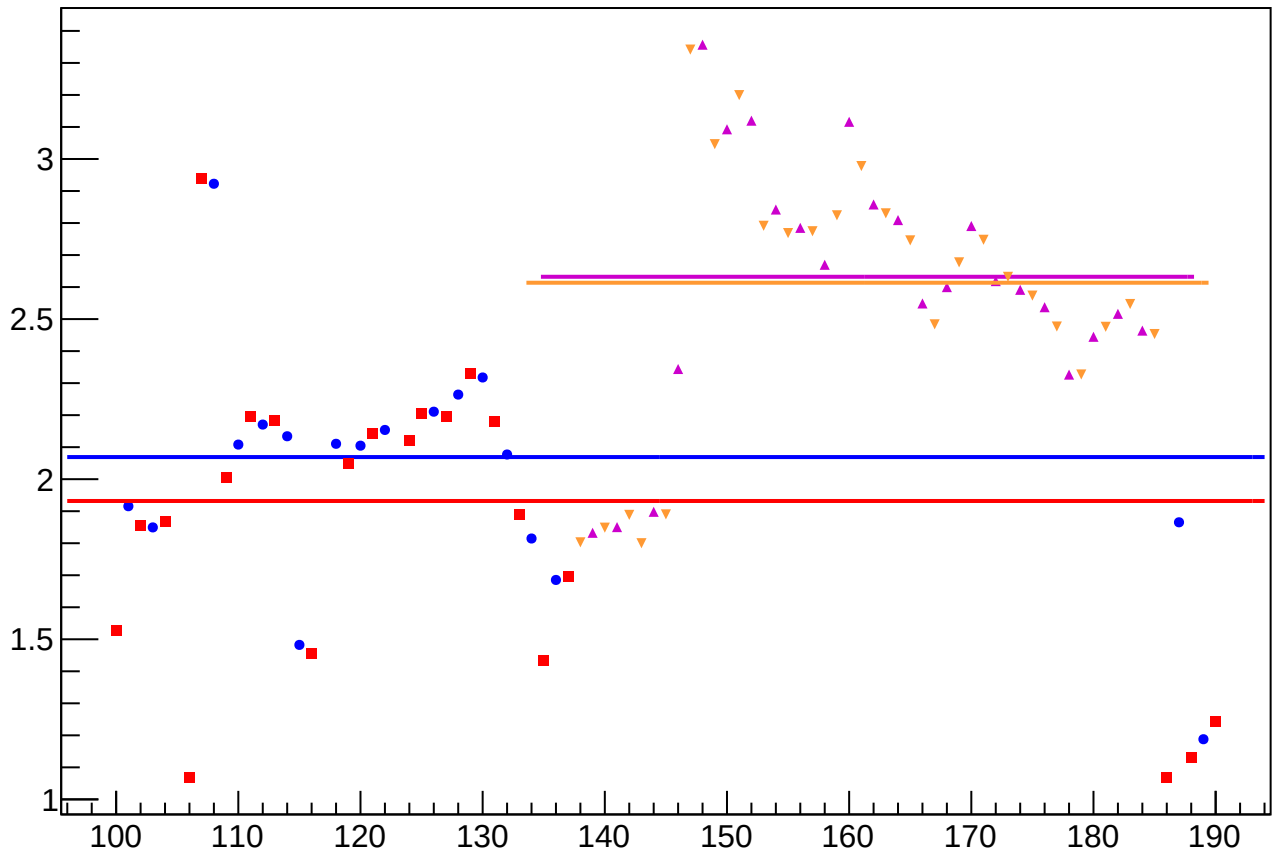
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 815136.5/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 3023969.8/42

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 5894836.8/87

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2868969.3/44

yield_bpm0l06X_mean vs Slug



Right In: 2.069 $\pm$ 0.000 χ^2 /NDF: 17774707097.5/17

Left Out: 2.614 $\pm$ 0.000 χ^2 /NDF: 46402554271.4/24

Right Out: 1.932 $\pm$ 0.000 χ^2 /NDF: 31080549560.8/21

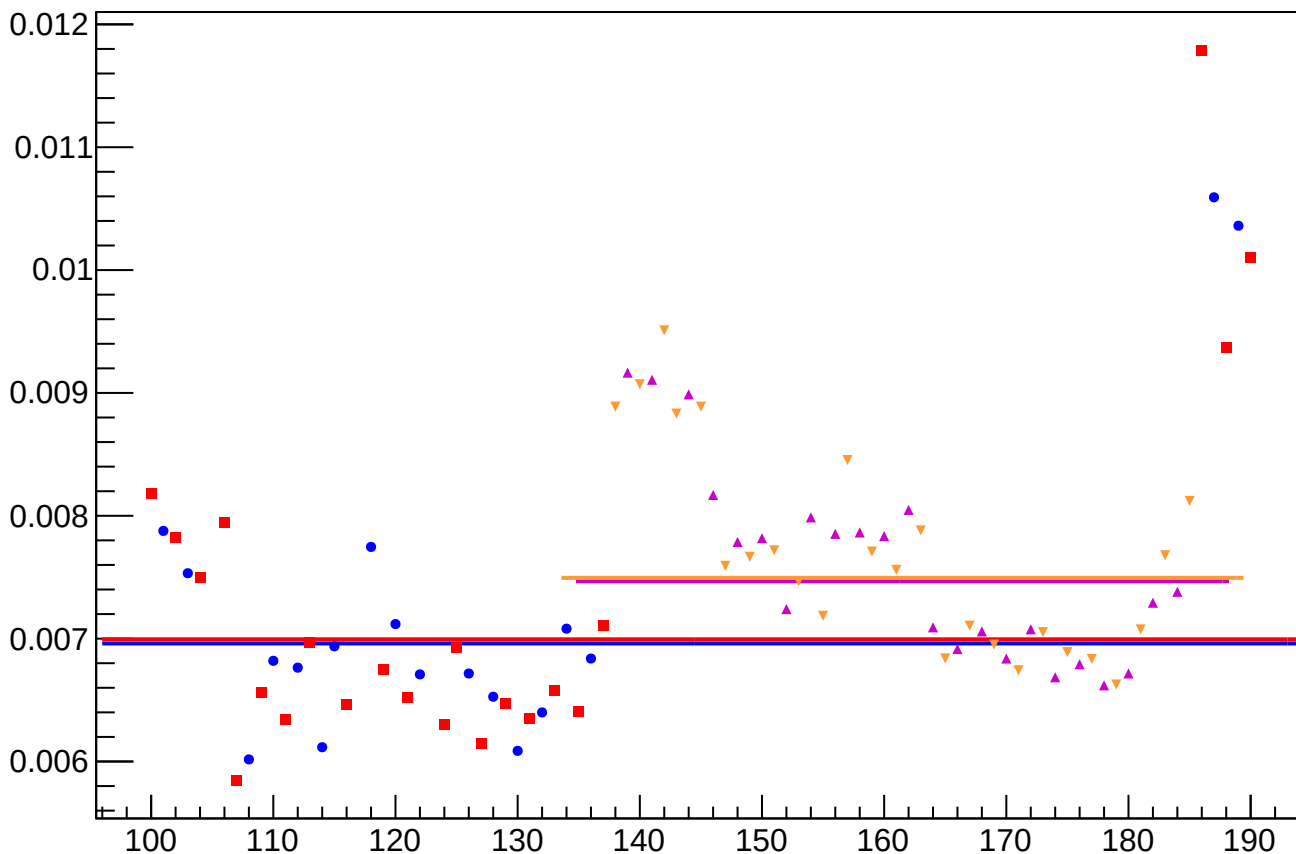
Left In: 2.632 $\pm$ 0.000 χ^2 /NDF: 40551967819.7/22

+ sign 2.438 $\pm$ 0.000 χ^2 /NDF: 94975549477.8/42

All: 2.408 $\pm$ 0.000 χ^2 /NDF: 222533728791.6

- sign 2.379 $\pm$ 0.000 χ^2 /NDF: 126702713482.5/44

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 240817.0/17

Left Out: 0.007+/-0.000 χ^2/NDF :332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 420944.4/21

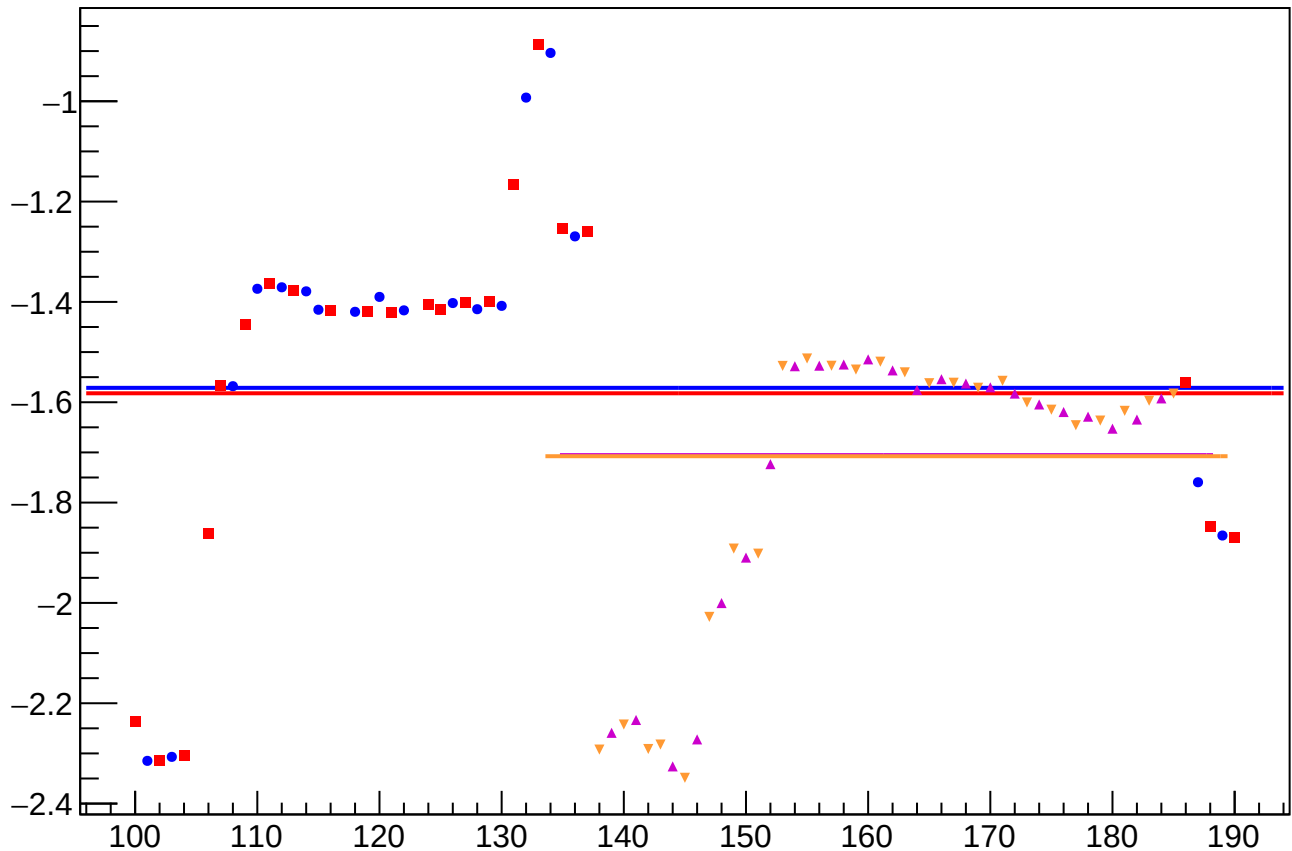
Left In: 0.007+/-0.000 χ^2/NDF :321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 632739.6/42

All: 0.007+/-0.000 χ^2/NDF : 1426166.5/87

- sign 0.007+/-0.000 χ^2/NDF : 793083.0/44

yield_bpm0l06Y_mean vs Slug



Right In: -1.571+/-0.000 χ^2/NDF : 180024653293.5/17

Left Out: -1.708+/-0.000 χ^2/NDF : 151845502556.2/24

Right Out: -1.582+/-0.000 χ^2/NDF : 185283527708.0/21

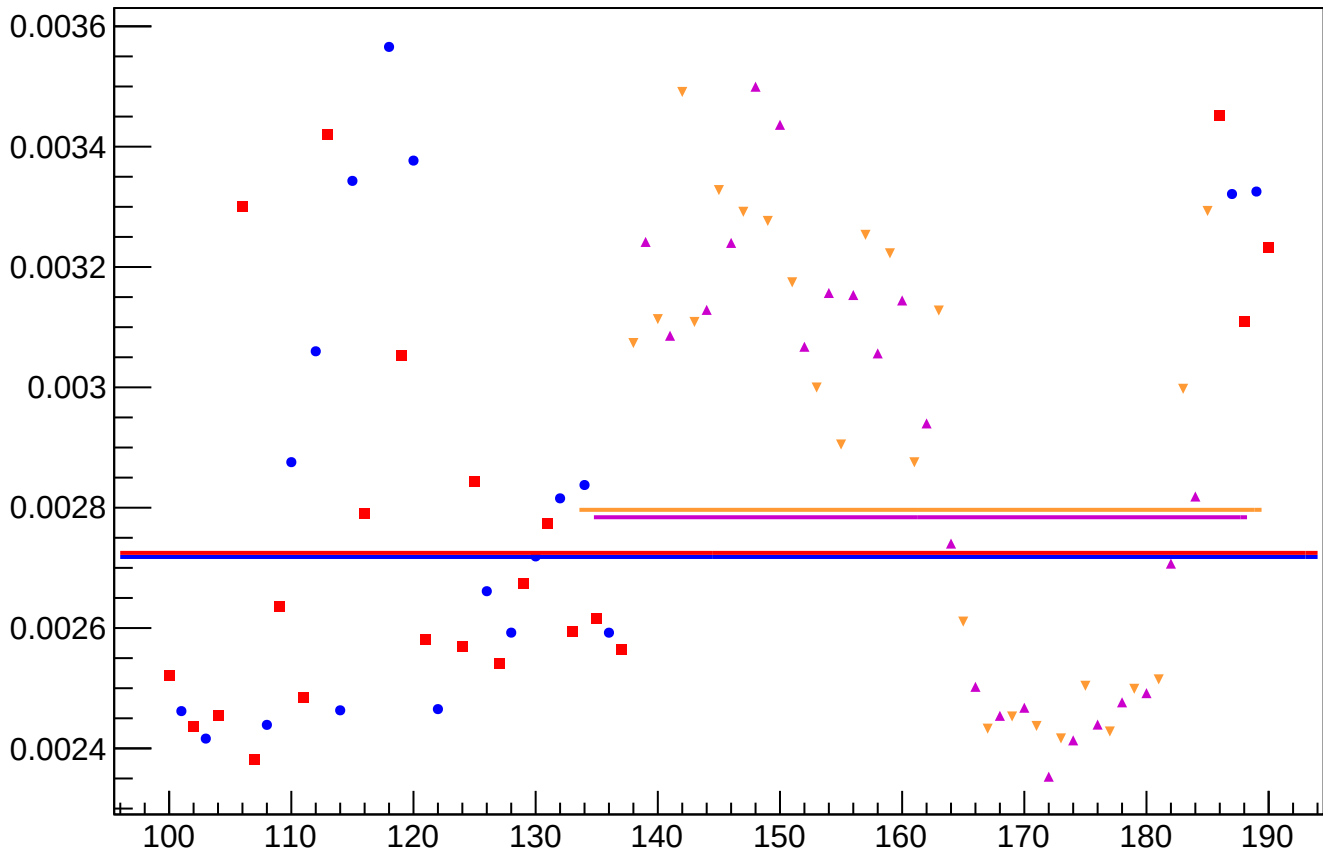
Left In: -1.705+/-0.000 χ^2/NDF : 136540618081.0/22

+ sign -1.666+/-0.000 χ^2/NDF : 344780516358.5/42

All: -1.664+/-0.000 χ^2/NDF : 678177528725.0

- sign -1.663+/-0.000 χ^2/NDF : 333377494119.4/44

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 206172.2/17

Left Out: 0.003+/-0.000 χ^2/NDF :547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 207850.7/21

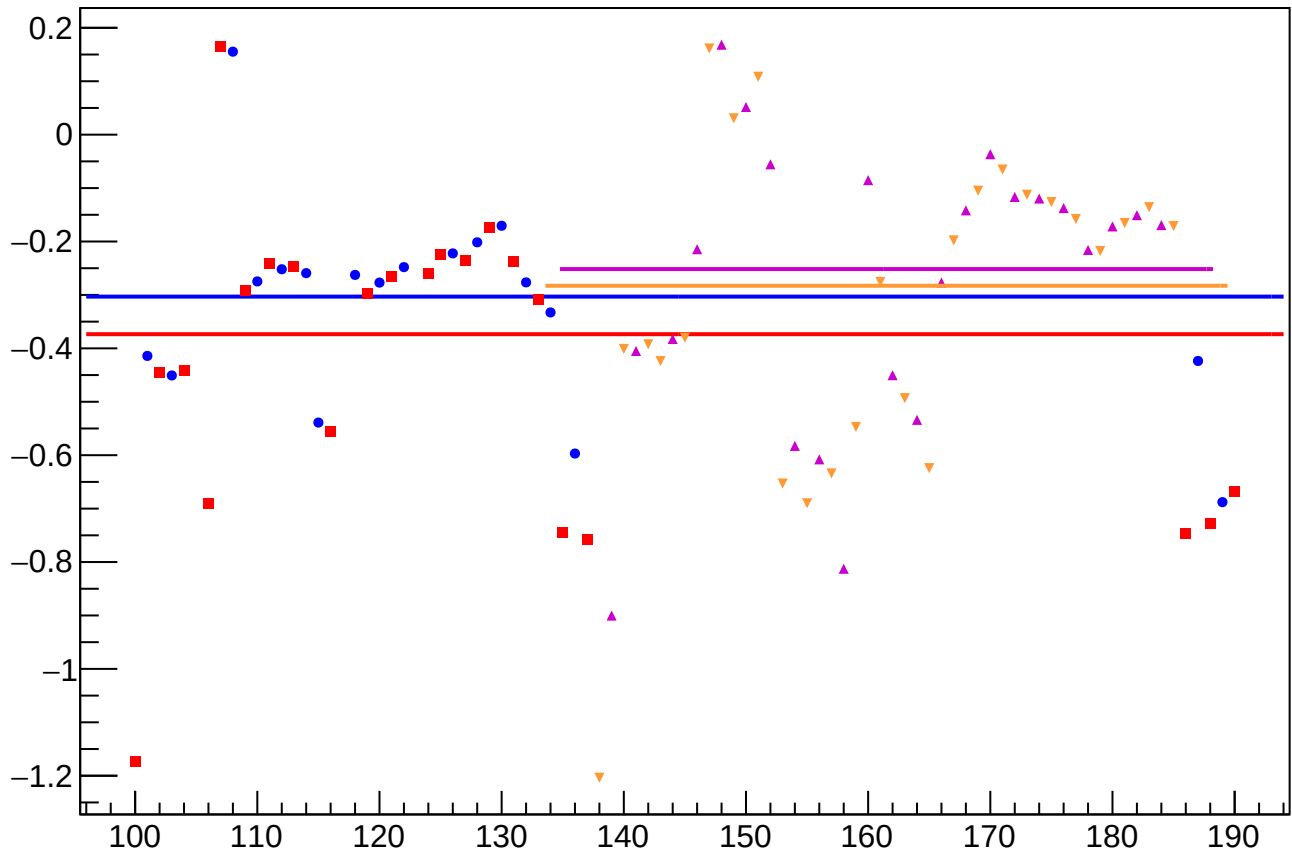
Left In: 0.003+/-0.000 χ^2/NDF :557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF : 762463.9/42

All: 0.003+/-0.000 χ^2/NDF : 1533031.3/87

- sign 0.003+/-0.000 χ^2/NDF : 770297.7/44

yield_bpm0l07X_mean vs Slug



Right In: -0.303+/-0.000 χ^2/NDF : 1907396575.9/17

Left Out: -0.283+/-0.000 χ^2/NDF : 9343511244.8/24

Right Out: -0.373+/-0.000 χ^2/NDF : 3313736232.2/21

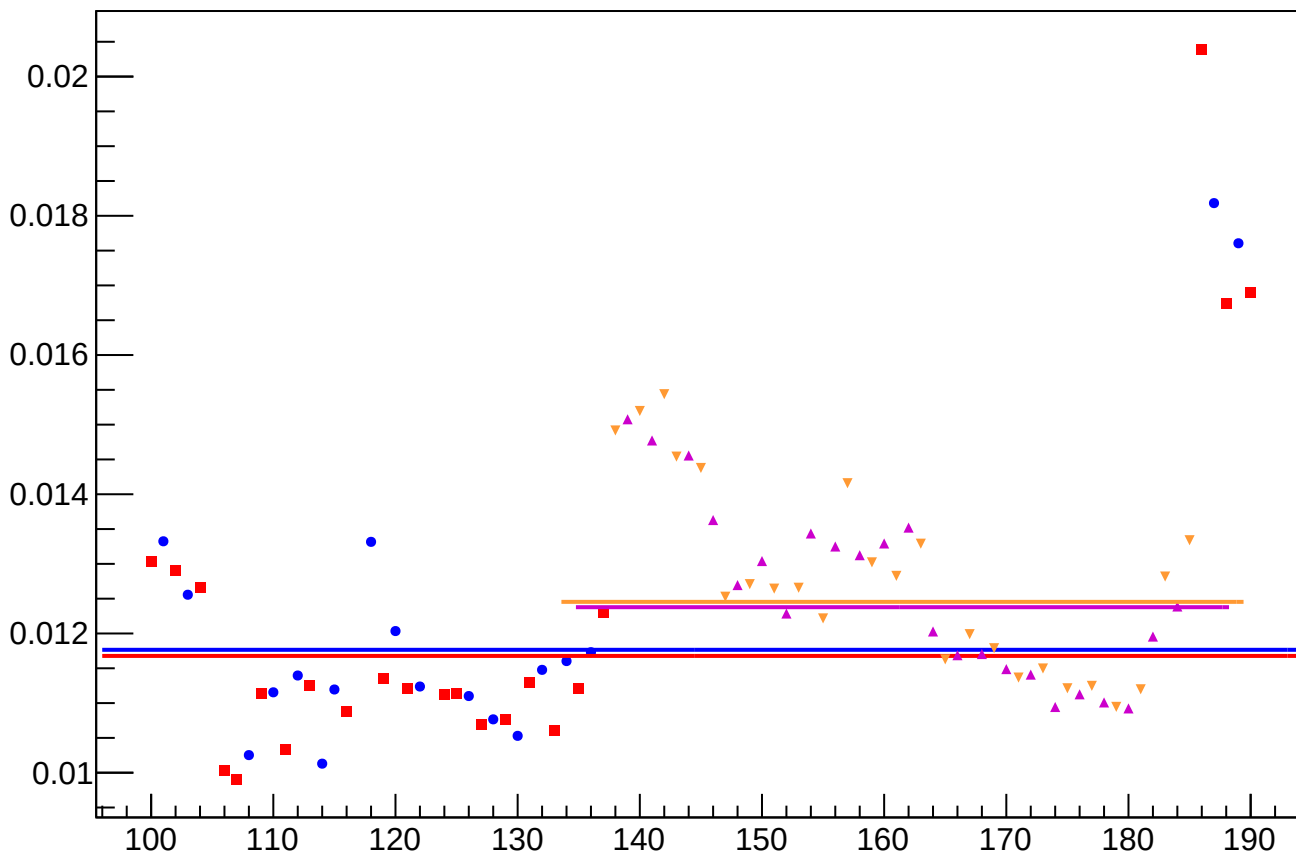
Left In: -0.252+/-0.000 χ^2/NDF : 7167367678.6/22

+ sign -0.289+/-0.000 χ^2/NDF : 11266270590.5/42

All: -0.292+/-0.000 χ^2/NDF : 22356633950.8/44

- sign -0.296+/-0.000 χ^2/NDF : 11086903751.4/44

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 246349.2/17

Left Out: 0.012+/-0.000 χ^2/NDF :341430.5/24

Right Out: 0.012+/-0.000 χ^2/NDF : 472881.5/21

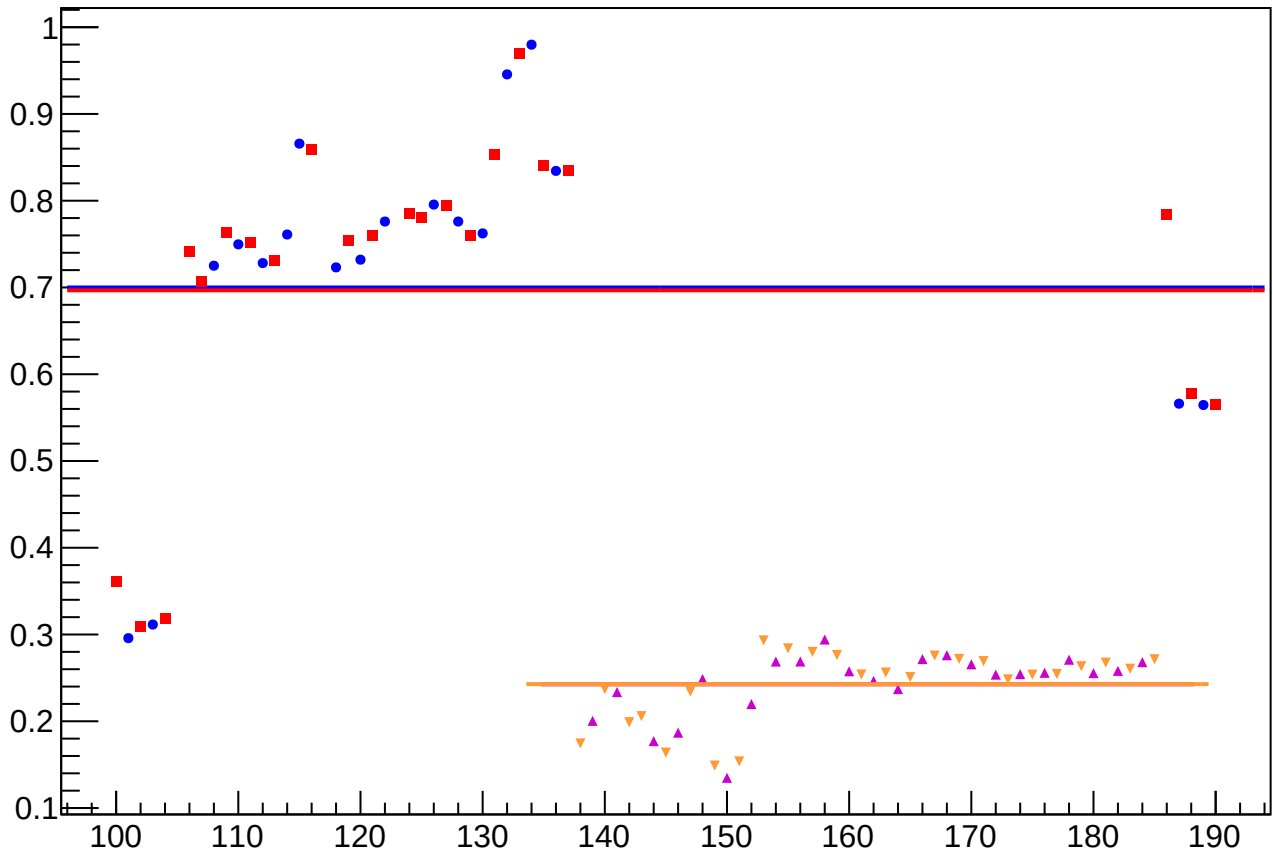
Left In: 0.012+/-0.000 χ^2/NDF :326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF : 623026.1/42

All: 0.012+/-0.000 χ^2/NDF : 1464918.3/87

- sign 0.012+/-0.000 χ^2/NDF : 839715.2/44

yield_bpm0l07Y_mean vs Slug



Right In: 0.700 $\pm$ 0.000 χ^2 /NDF: 50495106280.5/17

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF: 7290530687.7/24

+ sign 0.340 $\pm$ 0.000 χ^2 /NDF: 254693358630.4/42

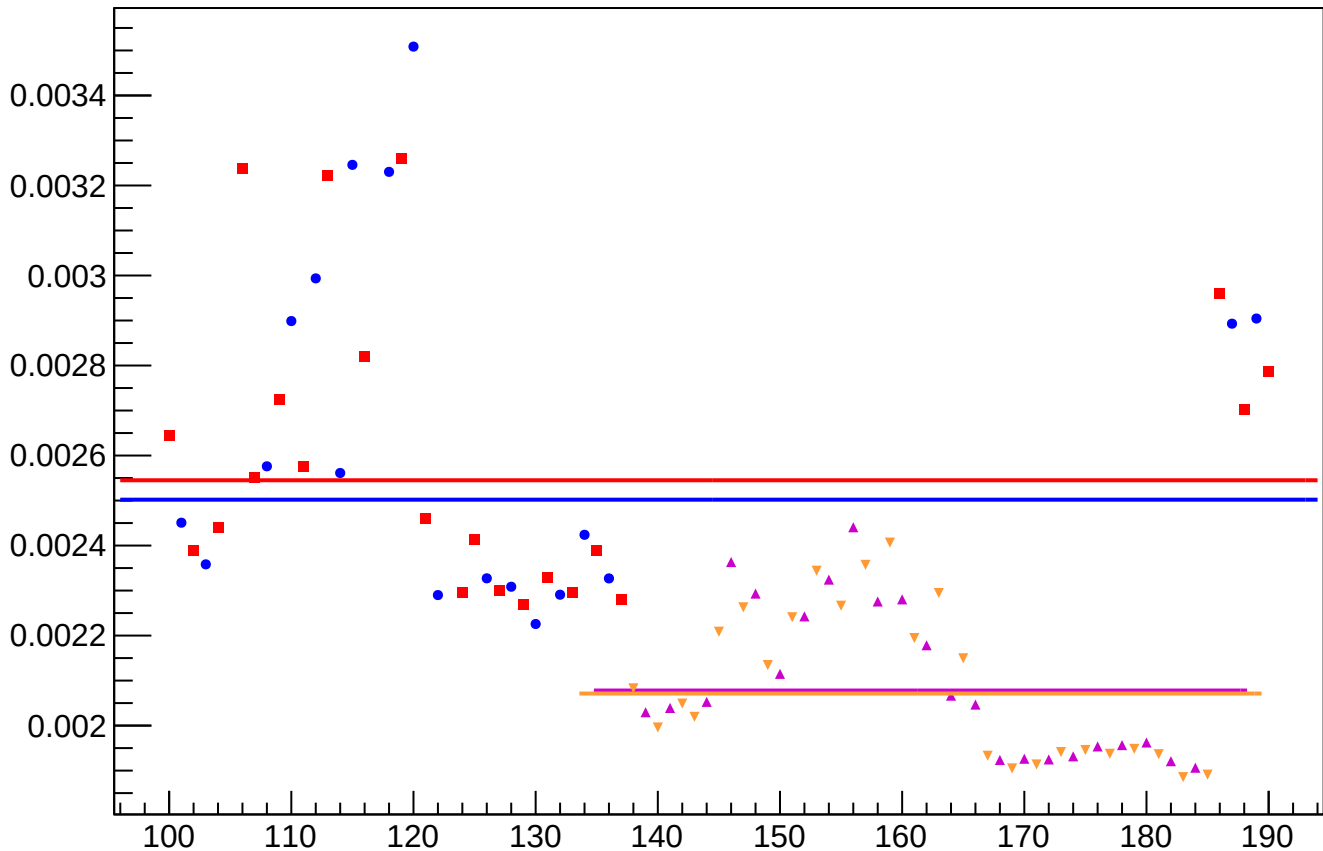
Right Out: 0.697 $\pm$ 0.000 χ^2 /NDF: 47298017567.0/21

All: 0.346 $\pm$ 0.000 χ^2 /NDF: 517629796187.4

Left In: 0.243 $\pm$ 0.000 χ^2 /NDF: 5781231269.1/22

- sign 0.353 $\pm$ 0.000 χ^2 /NDF: 262462388762.2/44

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 235545.9/17

Left Out: 0.002+/-0.000 χ^2/NDF :233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF : 208597.2/21

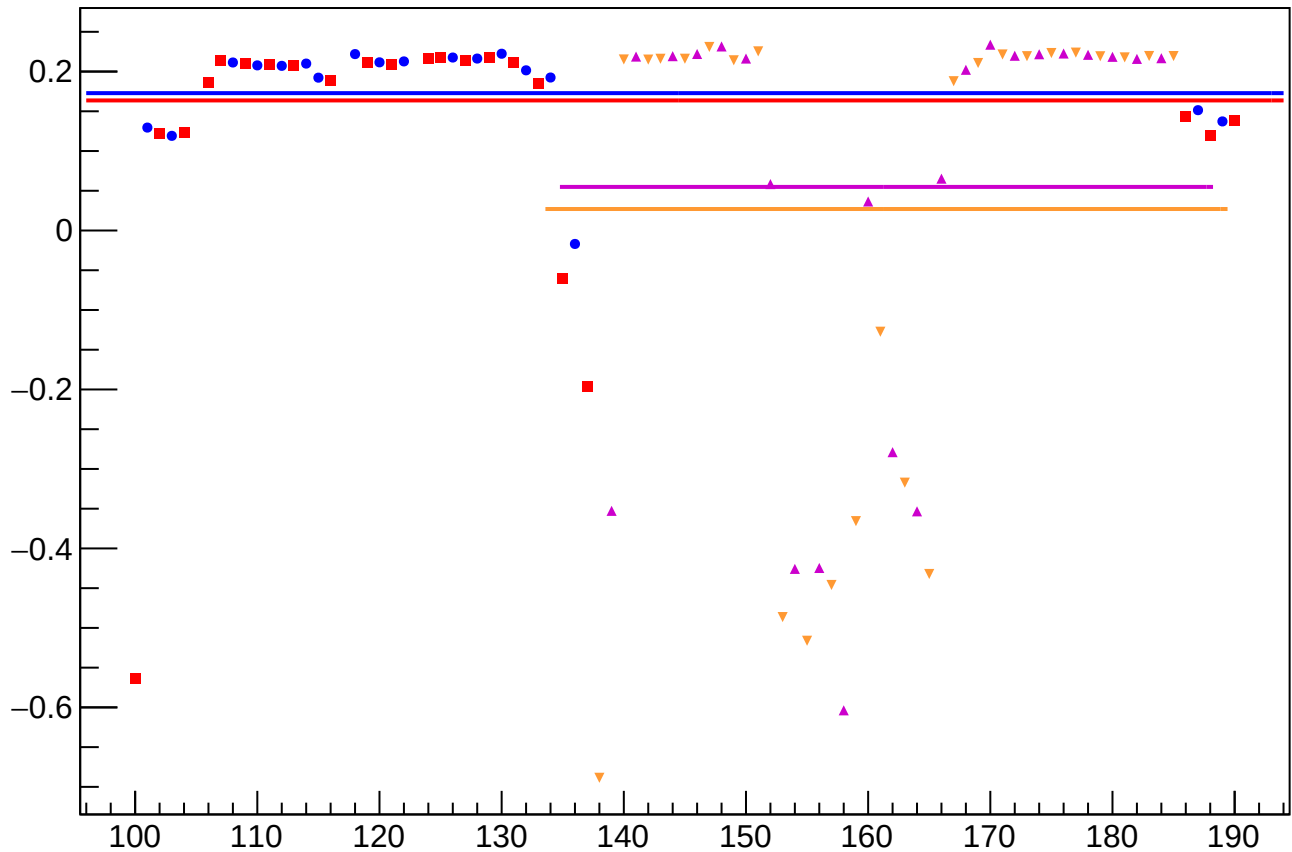
Left In: 0.002+/-0.000 χ^2/NDF :211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF : 818857.8/42

All: 0.002+/-0.000 χ^2/NDF : 1686731.9/87

- sign 0.002+/-0.000 χ^2/NDF : 863282.1/44

yield_bpm0l08X_mean vs Slug



Right In: 0.173+/-0.000 χ^2/NDF : 404913960.7/17

Left Out: 0.027+/-0.000 χ^2/NDF :12975171876.0/24

Right Out: 0.164+/-0.000 χ^2/NDF : 904466955.6/21

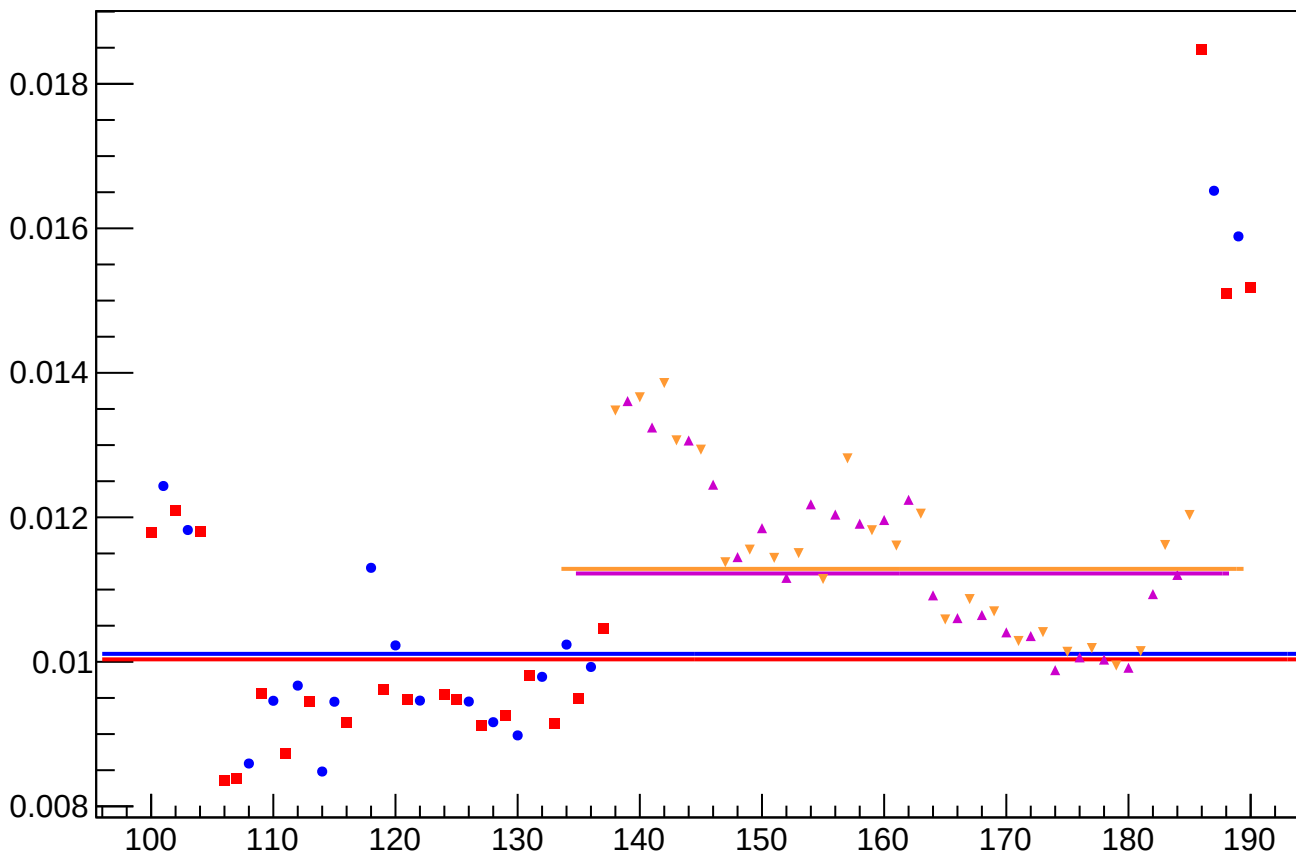
Left In: 0.055+/-0.000 χ^2/NDF :9704180322.0/22

+ sign 0.076+/-0.000 χ^2/NDF : 14407240886.4/42

All: 0.086+/-0.000 χ^2/NDF : 25685779848.9/8

- sign 0.097+/-0.000 χ^2/NDF : 11232740025.3/44

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 342916.4/17

Left Out: 0.011+/-0.000 χ^2/NDF :328248.0/24

Right Out: 0.010+/-0.000 χ^2/NDF : 614231.7/21

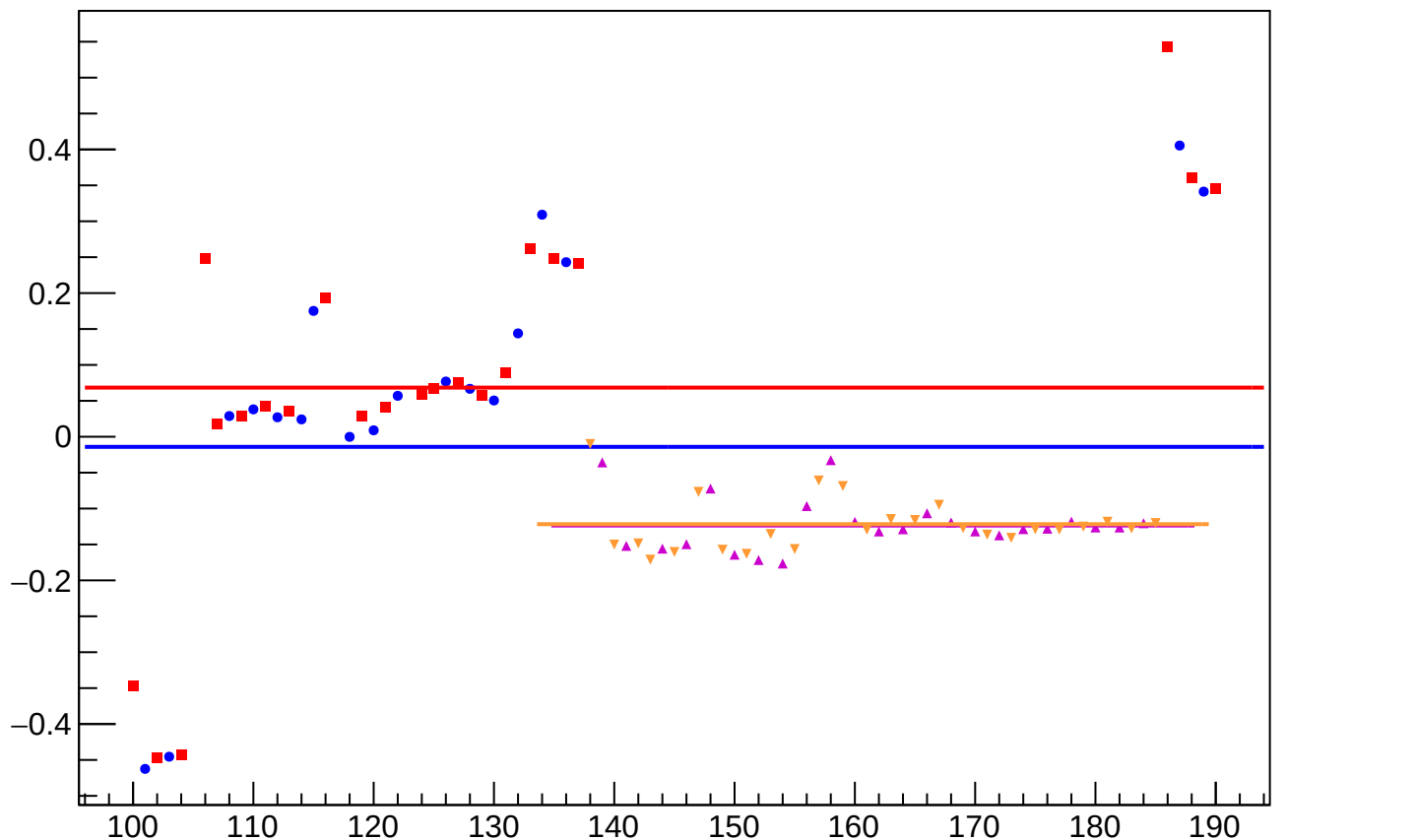
Left In: 0.011+/-0.000 χ^2/NDF :315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF : 804941.1/42

All: 0.011+/-0.000 χ^2/NDF : 1886733.3/87

- sign 0.011+/-0.000 χ^2/NDF : 1078447.6/44

yield_bpm0l08Y_mean vs Slug



Right In: -0.014+/-0.000 χ^2/NDF : 29584999524.1/17

Left Out: -0.122+/-0.000 χ^2/NDF : 2922583819.6/24

Right Out: 0.068+/-0.000 χ^2/NDF : 38321882520.1/21

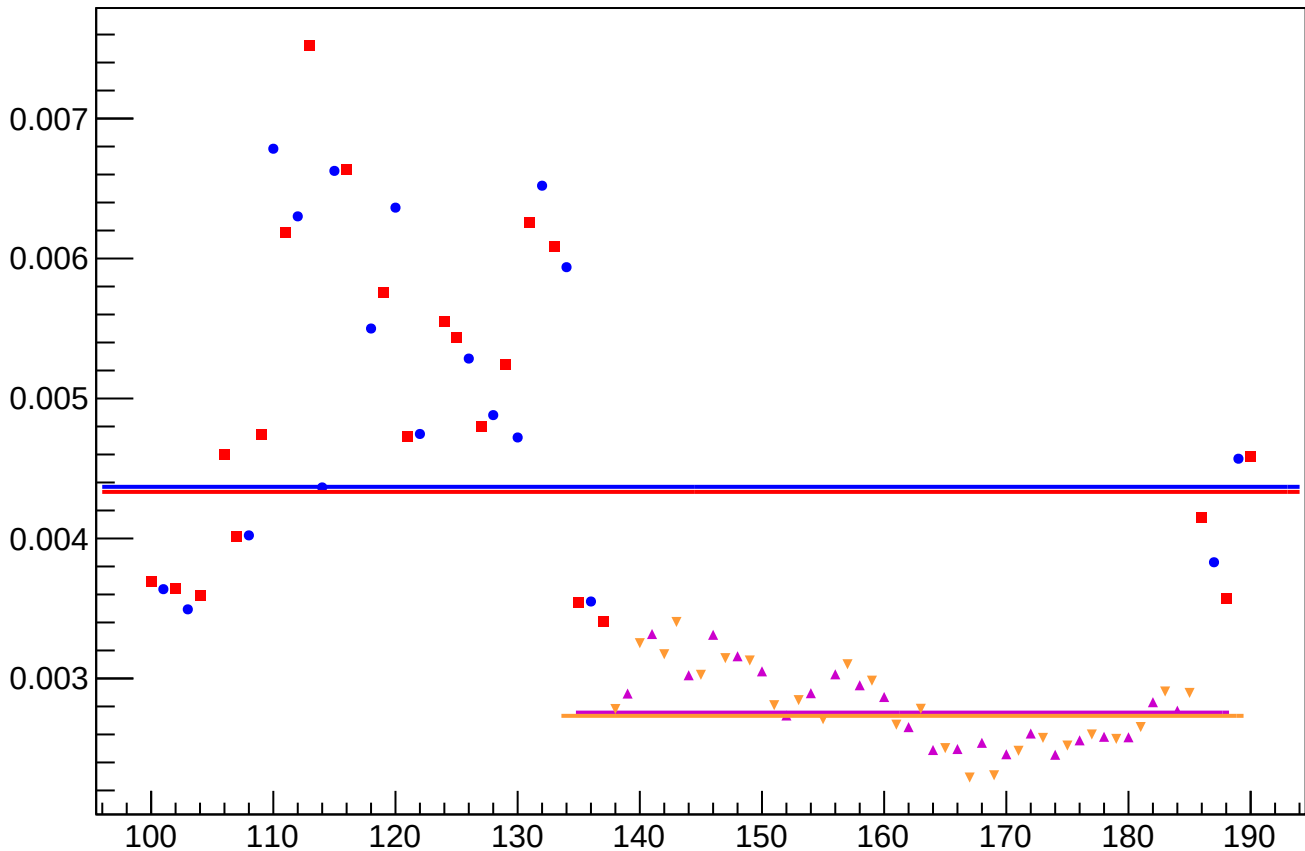
Left In: -0.124+/-0.000 χ^2/NDF : 2809457047.2/22

+ sign -0.108+/-0.000 χ^2/NDF : 36094374862.9/42

All: -0.101+/-0.000 χ^2/NDF : 90684087811.4/44

- sign -0.094+/-0.000 χ^2/NDF : 54298702703.4/44

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 668540.5/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 391885.5/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 810223.9/21

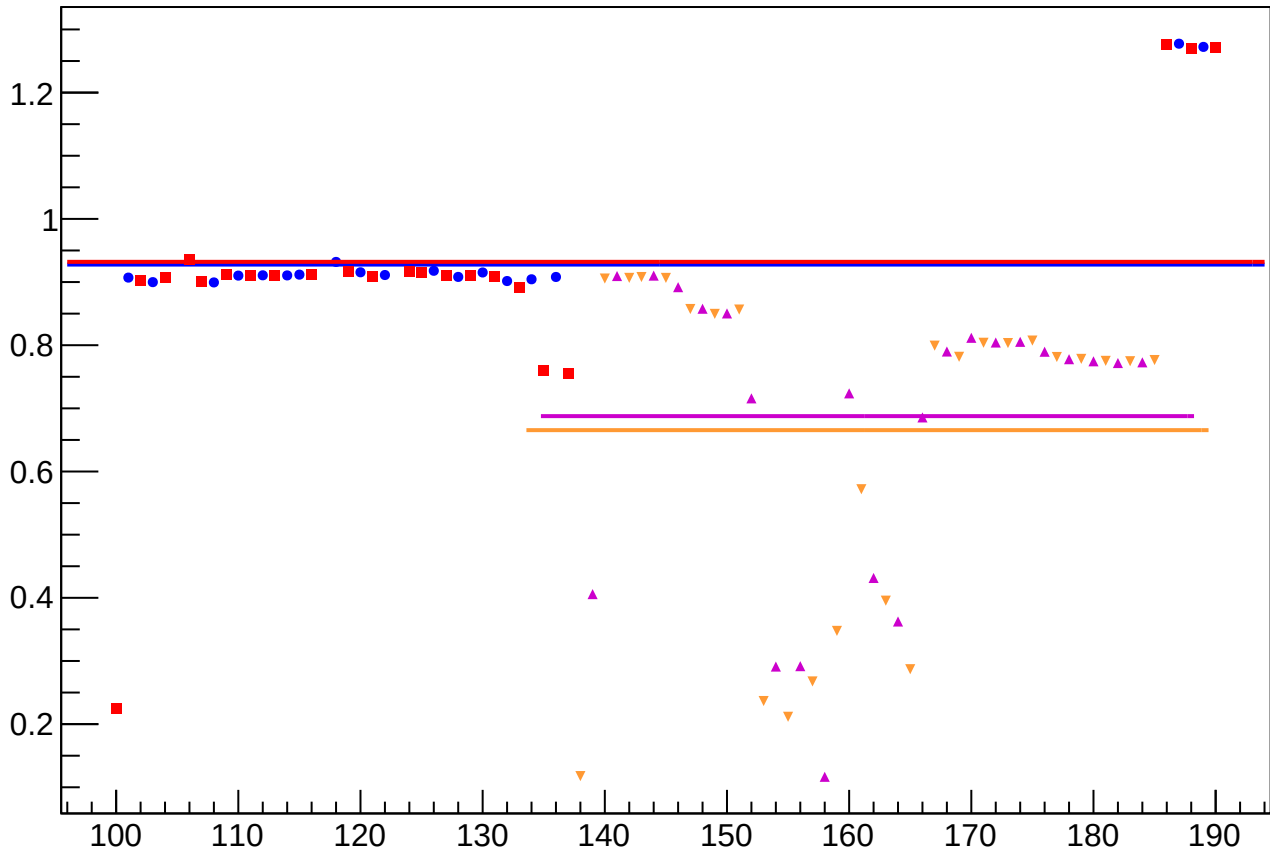
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 293113.7/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2718477.3/42

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 5607901.4/87

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2878367.6/44

yield_bpm0l09X_mean vs Slug



Right In: 0.928 $\pm$ 0.000 χ^2 /NDF: 372803503.8/17

Left Out: 0.666 $\pm$ 0.000 χ^2 /NDF:9213839939.9/24

Right Out: 0.932 $\pm$ 0.000 χ^2 /NDF: 1271005364.5/21

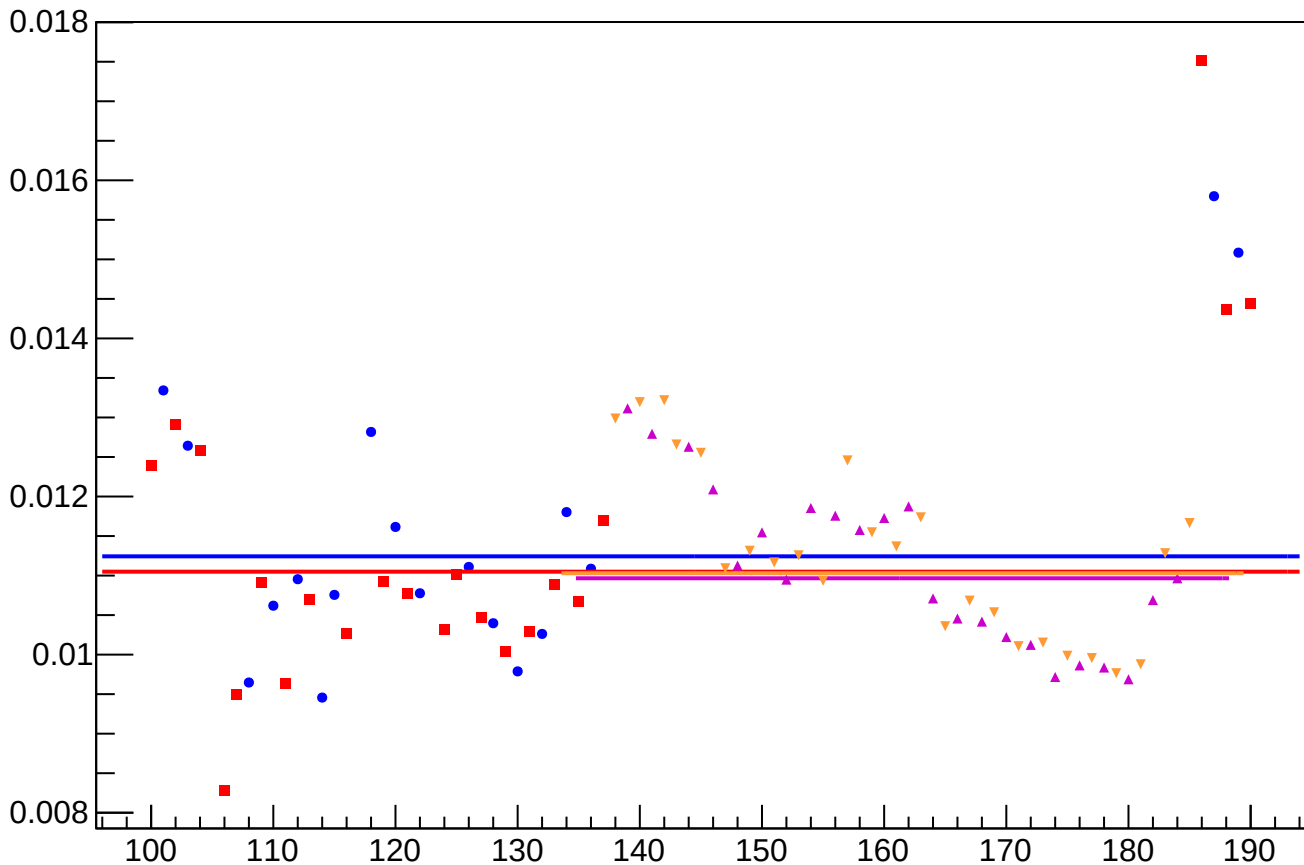
Left In: 0.688 $\pm$ 0.000 χ^2 /NDF:6999062215.3/22

+ sign 0.739 $\pm$ 0.000 χ^2 /NDF: 12516651708.9/42

All: 0.754 $\pm$ 0.000 χ^2 /NDF: 23732206989.4/42

- sign 0.768 $\pm$ 0.000 χ^2 /NDF: 11126242144.6/44

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 230204.1/17

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:299445.0/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 406844.1/21

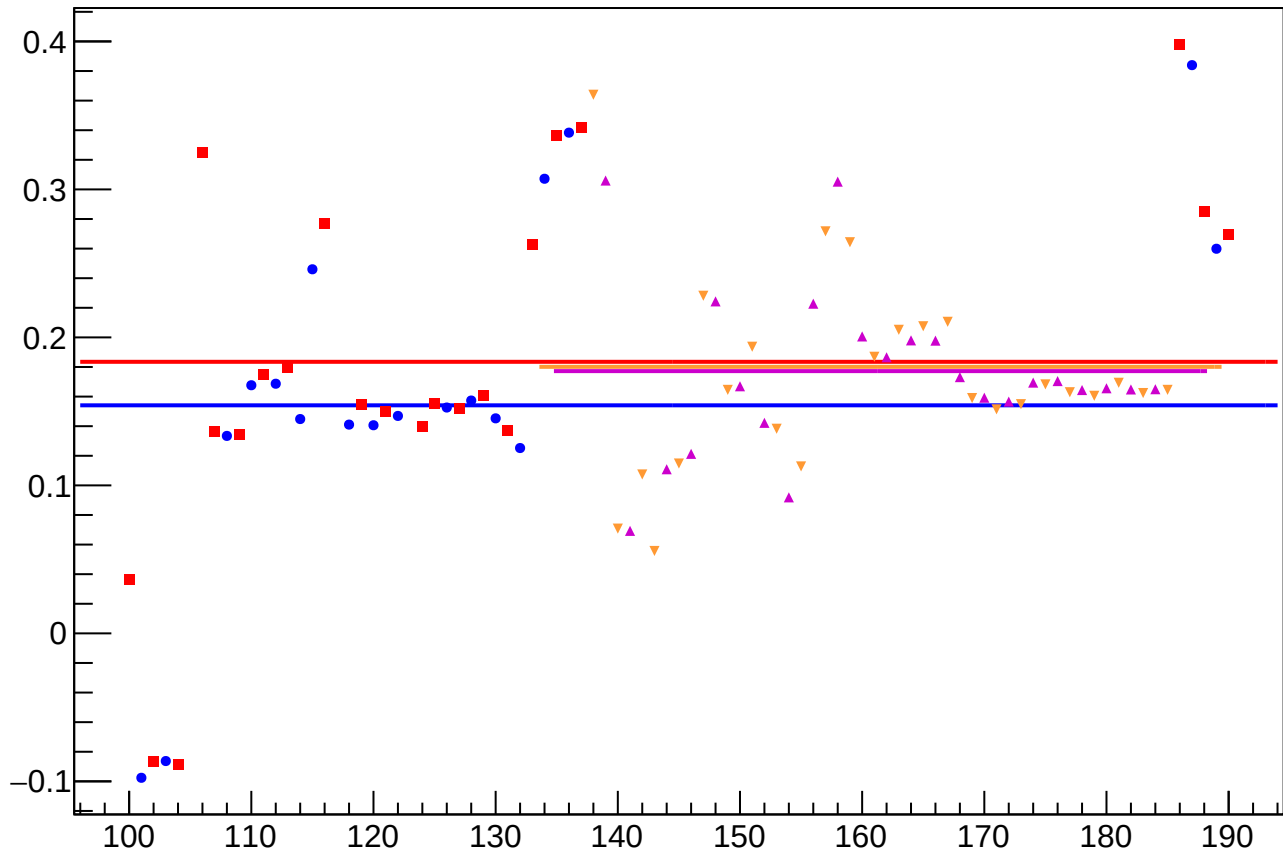
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:287650.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 533550.2/42

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1230700.8/87

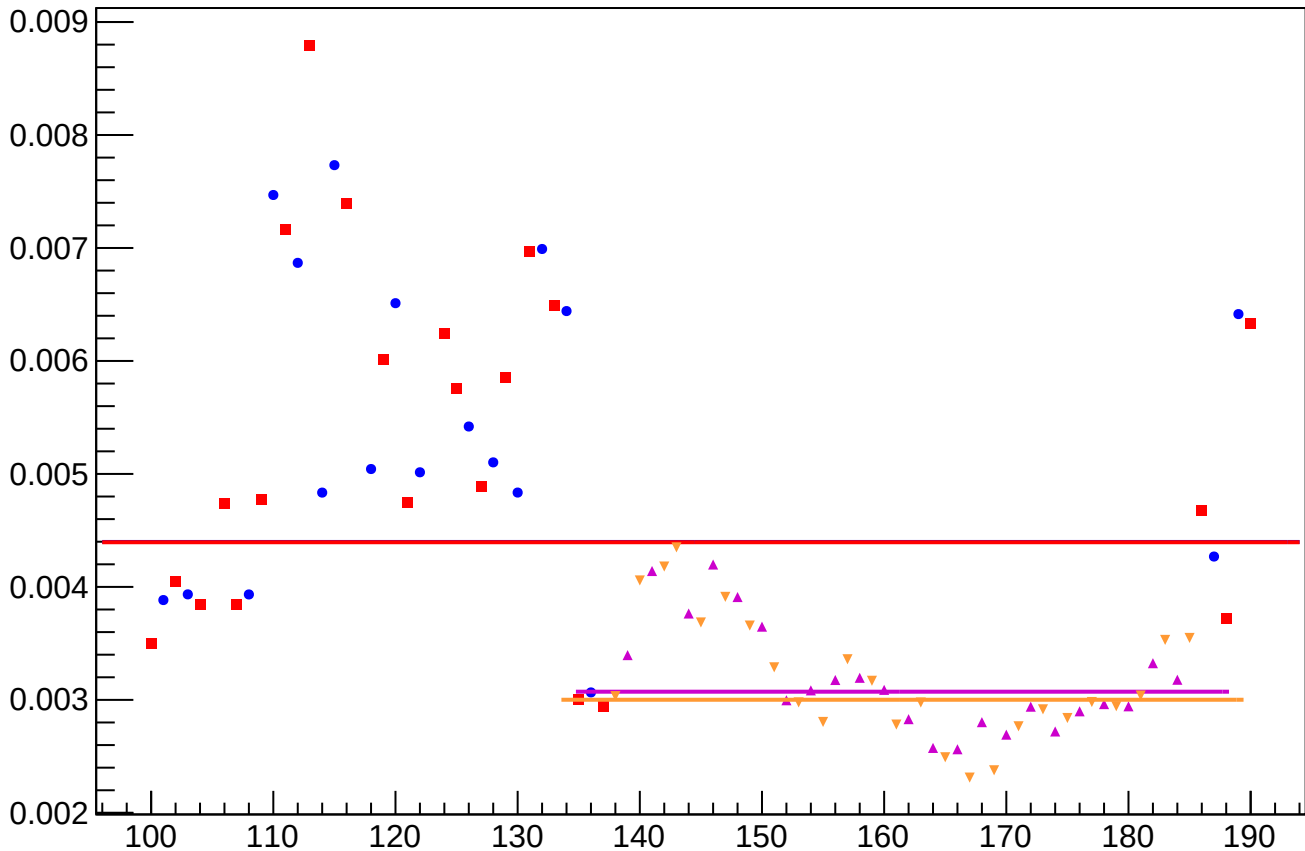
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 695163.9/44

yield_bpm0l09Y_mean vs Slug



Right In: 0.154+/-0.000	χ^2/NDF : 8467047569.1/17	+ sign 0.176+/-0.000	χ^2/NDF : 15105596924.0/42
Left Out: 0.180+/-0.000	χ^2/NDF : 6448853953.3/24	All: 0.177+/-0.000	χ^2/NDF : 28695606550.6/8
Right Out: 0.184+/-0.000	χ^2/NDF : 8952550034.1/21	- sign 0.178+/-0.000	χ^2/NDF : 13585865785.3/44
Left In: 0.177+/-0.000	χ^2/NDF : 4620854117.7/22		

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 981670.8/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:888350.2/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1204444.3/21

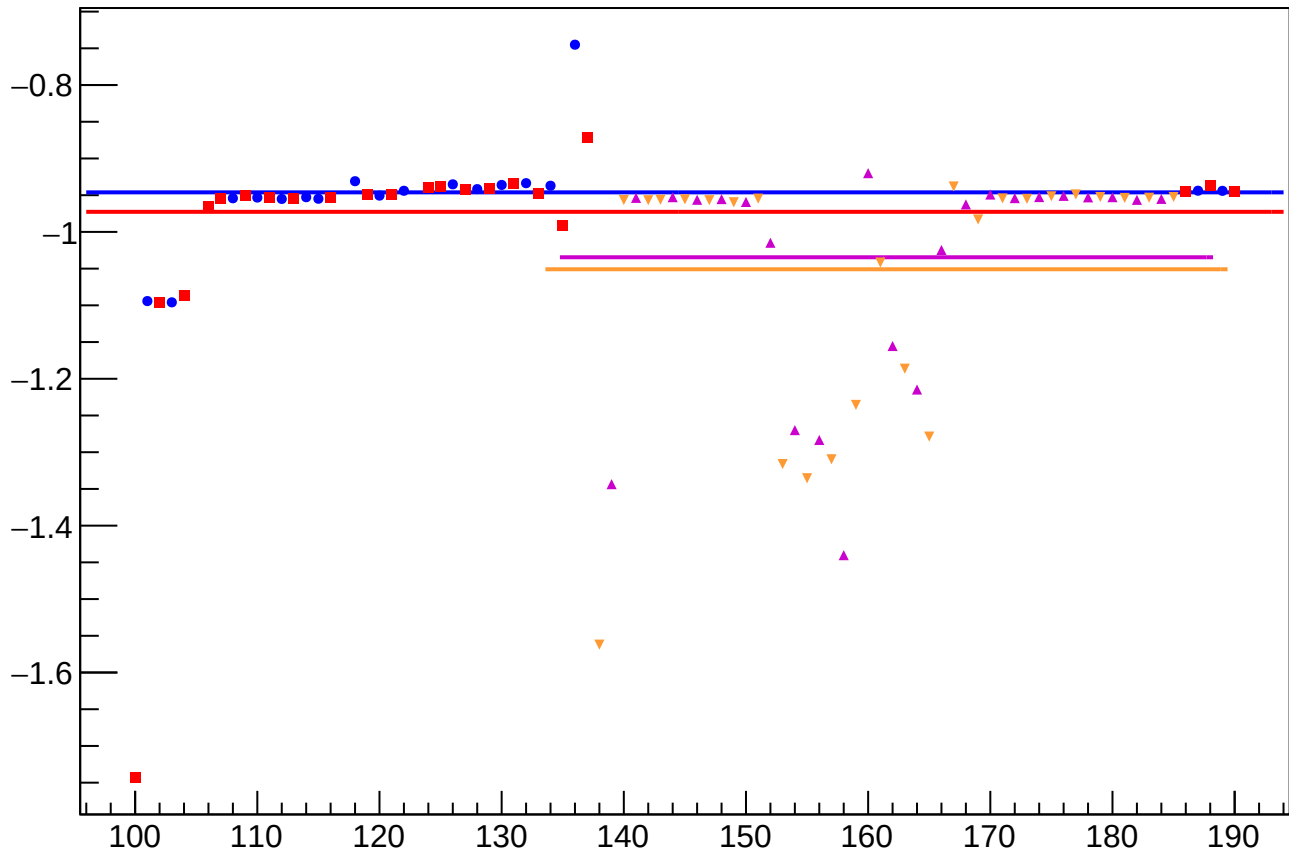
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:587459.6/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2963628.8/42

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 5882770.4/87

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2893956.2/44

yield_bpm0l10X_mean vs Slug



Right In: -0.946+/-0.000 χ^2/NDF : 404527524.0/17

Left Out: -1.051+/-0.000 χ^2/NDF : 5082084184.4/24

Right Out: -0.973+/-0.000 χ^2/NDF : 473431407.7/21

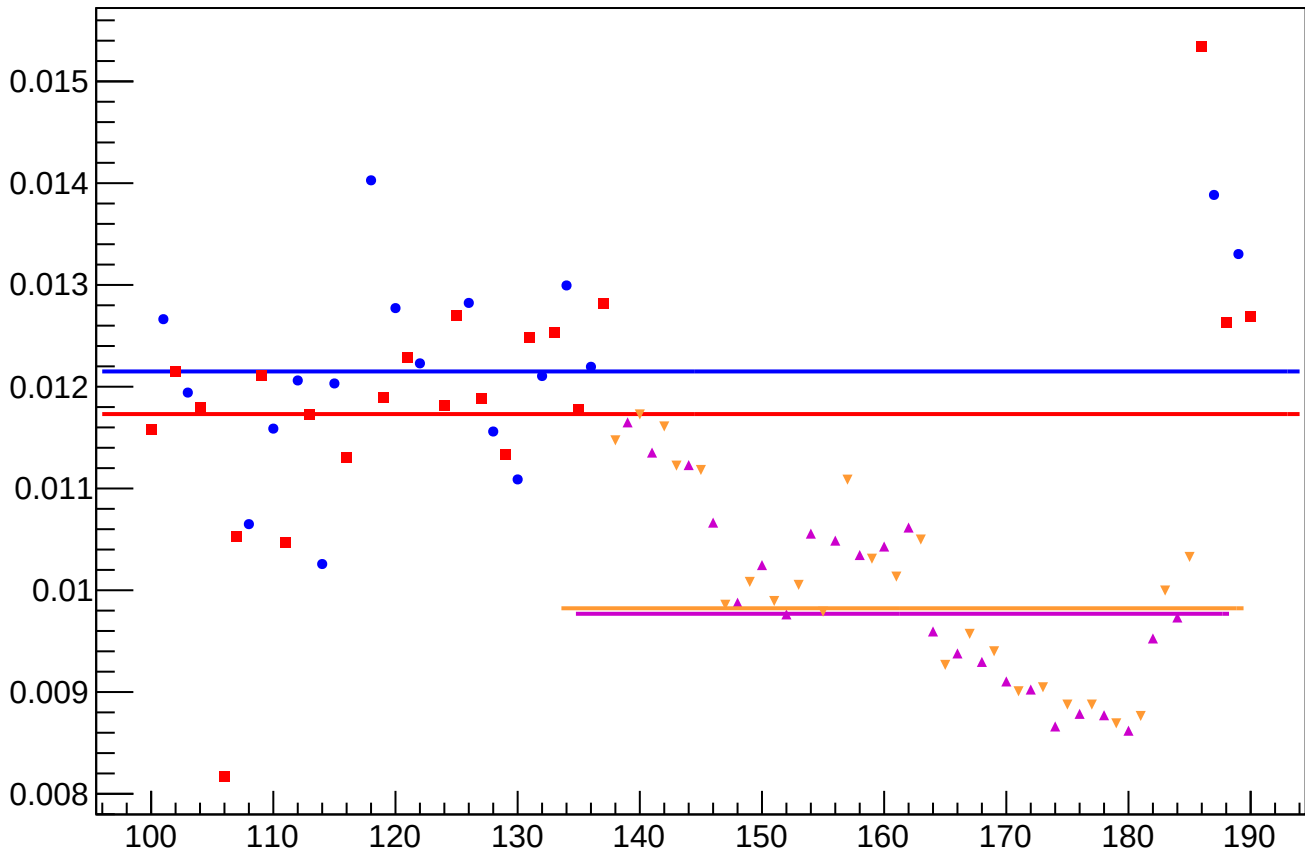
Left In: -1.035+/-0.000 χ^2/NDF : 3925761523.9/22

+ sign -1.029+/-0.000 χ^2/NDF : 5929151268.4/42

All: -1.024+/-0.000 χ^2/NDF : 10522325809.8/44

- sign -1.019+/-0.000 χ^2/NDF : 4580395198.7/44

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 76512.3/17

Left Out: 0.010+/-0.000 χ^2/NDF : 293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF : 211862.7/21

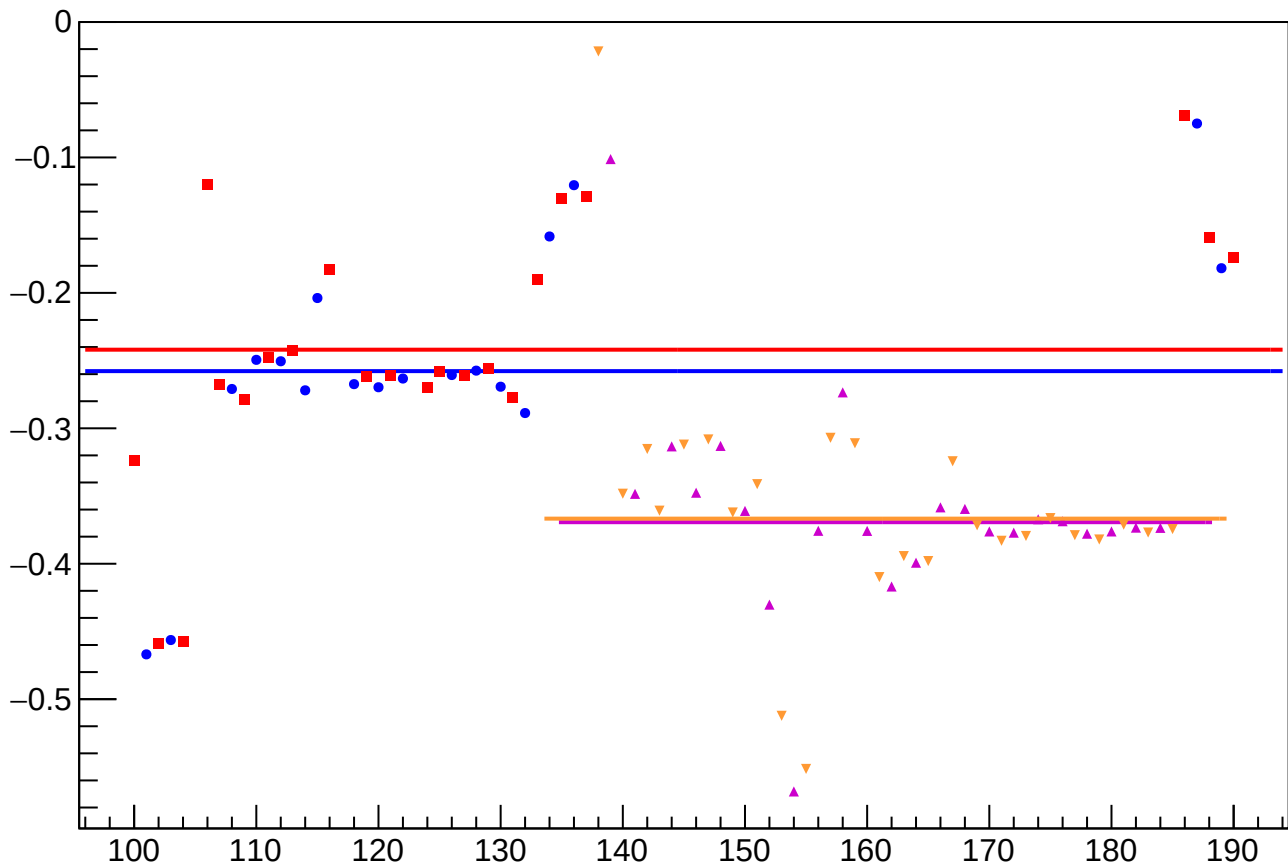
Left In: 0.010+/-0.000 χ^2/NDF : 281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF : 807427.4/42

All: 0.010+/-0.000 χ^2/NDF : 1665910.6/87

- sign 0.010+/-0.000 χ^2/NDF : 858115.3/44

yield_bpm0l10Y_mean vs Slug



Right In: -0.258+/-0.000 χ^2/NDF : 6484425062.8/17

Left Out: -0.367+/-0.000 χ^2/NDF : 11945266102.2/24

Right Out: -0.242+/-0.000 χ^2/NDF : 6393724038.3/21

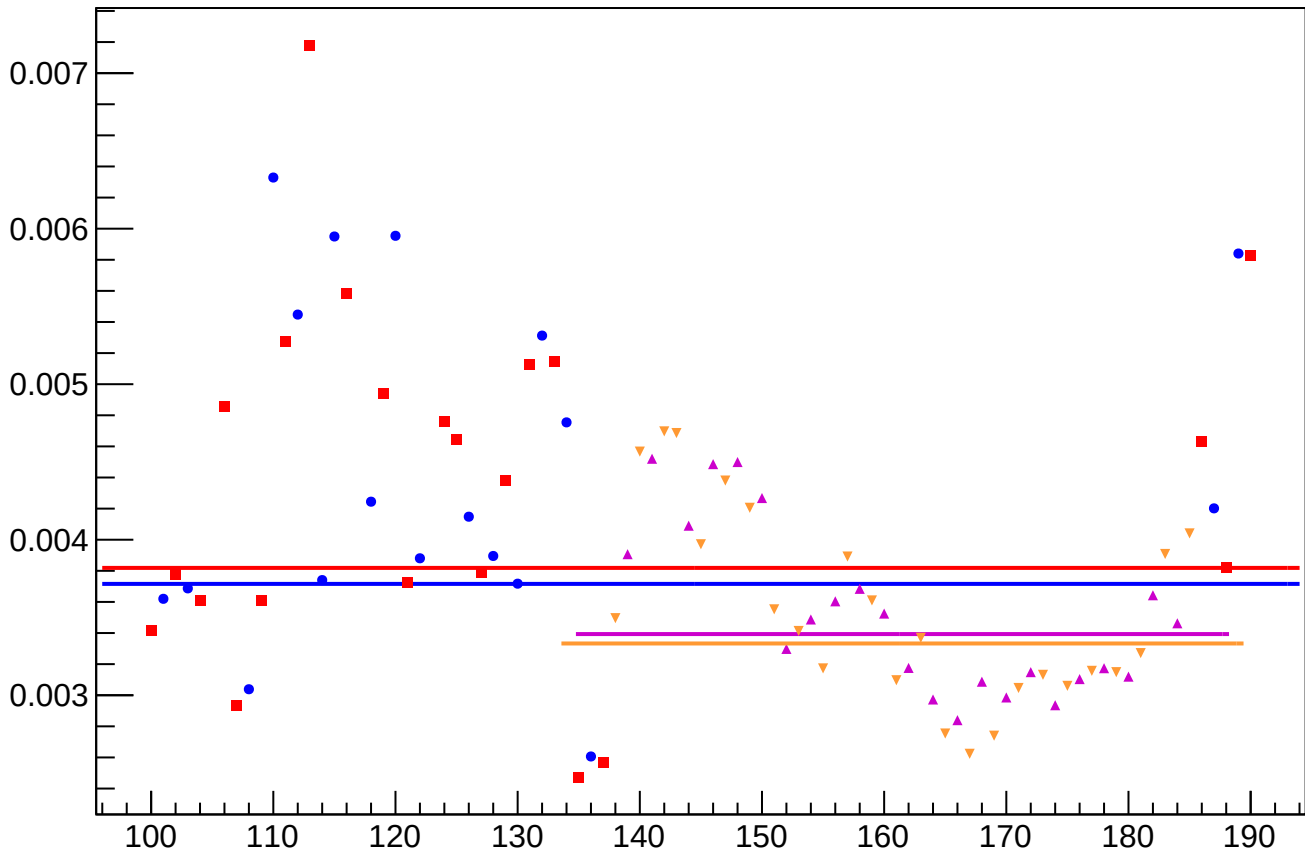
Left In: -0.369+/-0.000 χ^2/NDF : 7581323027.3/22

+ sign -0.342+/-0.000 χ^2/NDF : 22652711451.4/42

All: -0.339+/-0.000 χ^2/NDF : 42831576497.8/44

- sign -0.336+/-0.000 χ^2/NDF : 20137843254.3/44

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 870739.9/17

Left Out: 0.003+/-0.000 χ^2/NDF :857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF : 996576.3/21

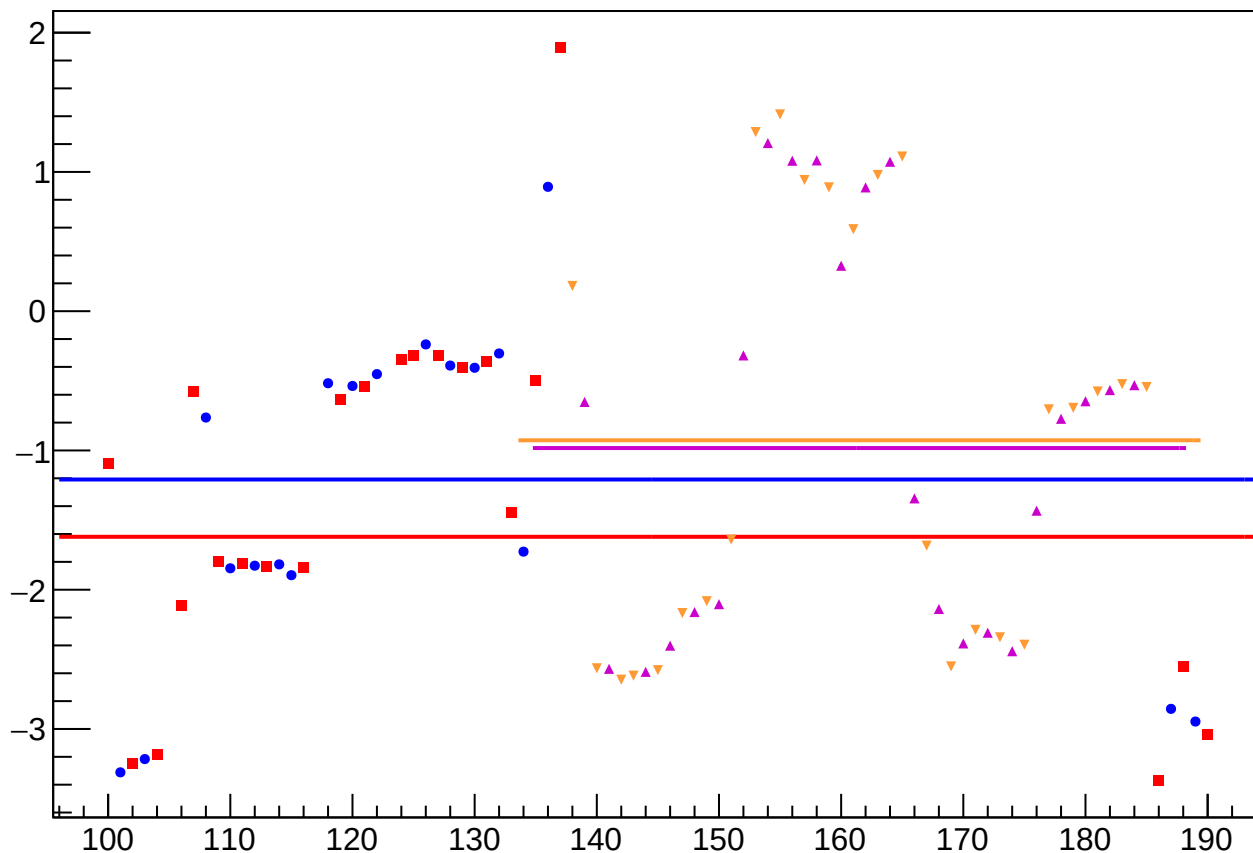
Left In: 0.003+/-0.000 χ^2/NDF :633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 1832967.4/42

All: 0.003+/-0.000 χ^2/NDF : 3615566.4/87

- sign 0.004+/-0.000 χ^2/NDF : 1767696.9/44

yield_bpm0r03X_mean vs Slug



Right In: -1.209+/-0.000 χ^2/NDF : 2756002771.5/17

Left Out: -0.927+/-0.000 χ^2/NDF : 7248712470.7/24

Right Out: -1.620+/-0.000 χ^2/NDF : 2560735498.2/21

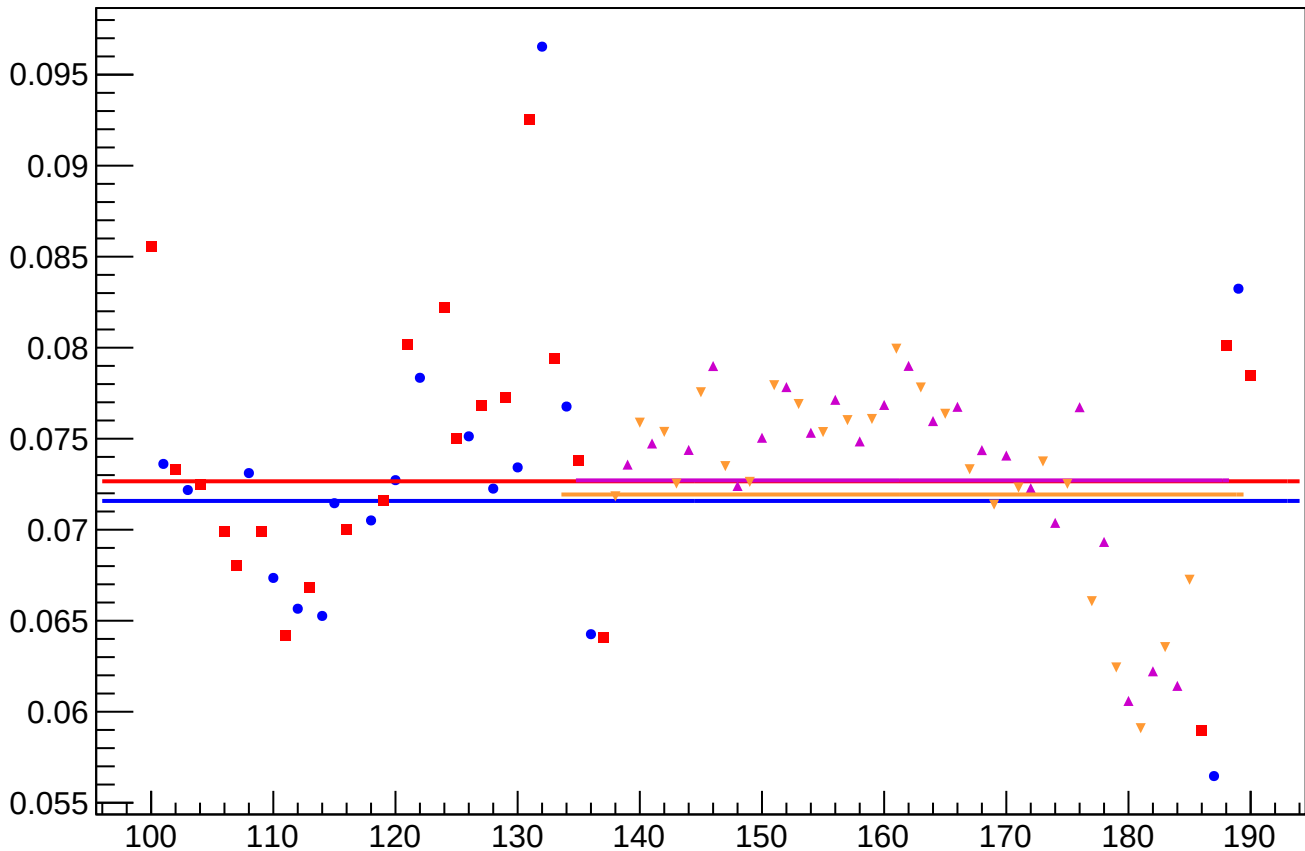
Left In: -0.983+/-0.000 χ^2/NDF : 5918975536.0/22

+ sign -1.009+/-0.000 χ^2/NDF : 10089041196.7/42

All: -1.101+/-0.000 χ^2/NDF : 19114483319.2/42

- sign -1.195+/-0.000 χ^2/NDF : 8937007644.9/44

yield_bpm0r03X_rms vs Slug



Right In: 0.072 ± 0.000 χ^2/NDF : 146586.4/17

Left Out: 0.072 ± 0.000 χ^2/NDF : 235534.6/24

Right Out: 0.073 ± 0.000 χ^2/NDF : 159957.3/21

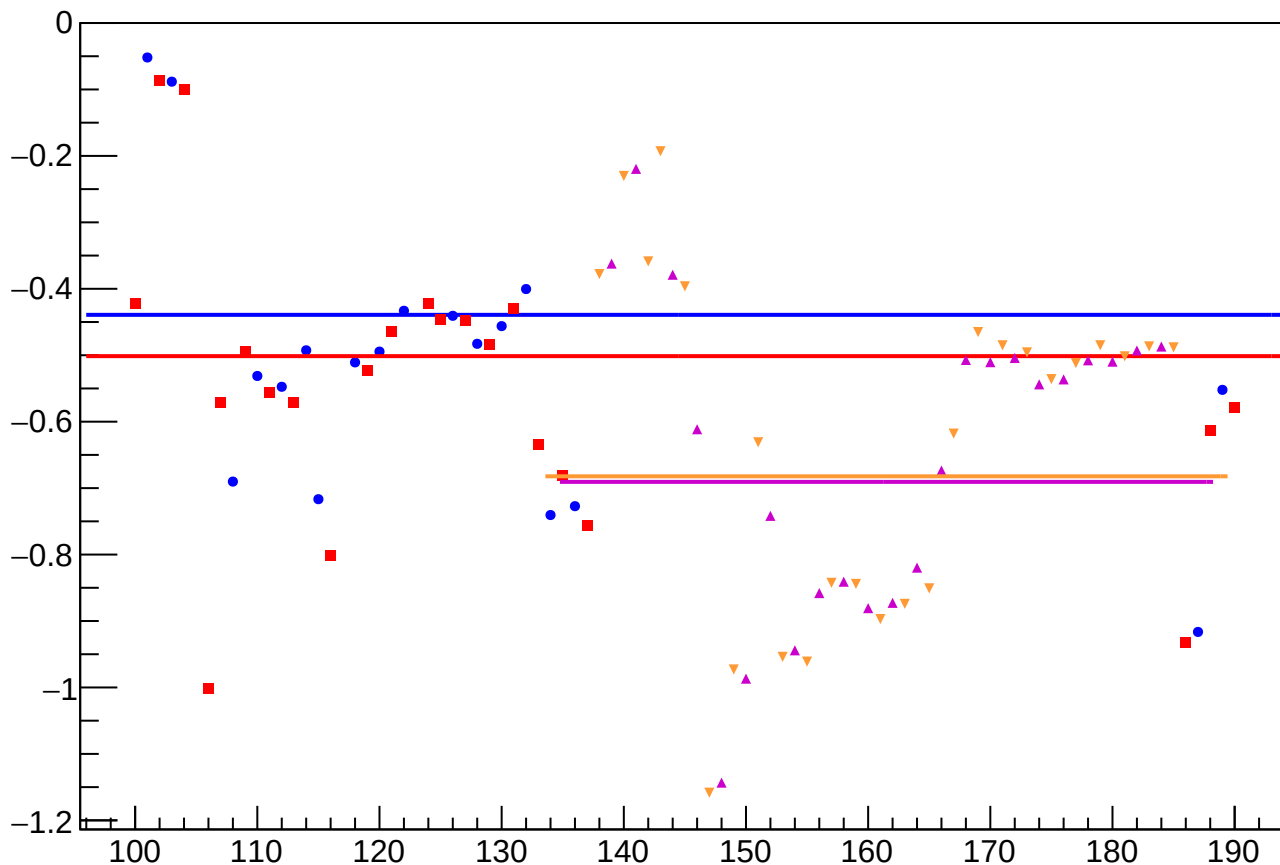
Left In: 0.073 ± 0.000 χ^2/NDF : 197009.2/22

+ sign 0.072 ± 0.000 χ^2/NDF : 382386.6/42

All: 0.072 ± 0.000 χ^2/NDF : 743152.4/87

- sign 0.073 ± 0.000 χ^2/NDF : 356972.0/44

yield_bpm0r03Y_mean vs Slug



Right In: -0.439 ± 0.000 χ^2/NDF : 3457356432.7/17

Left Out: -0.682 ± 0.000 χ^2/NDF : 21823342960.4/24

Right Out: -0.501 ± 0.000 χ^2/NDF : 4211749278.3/21

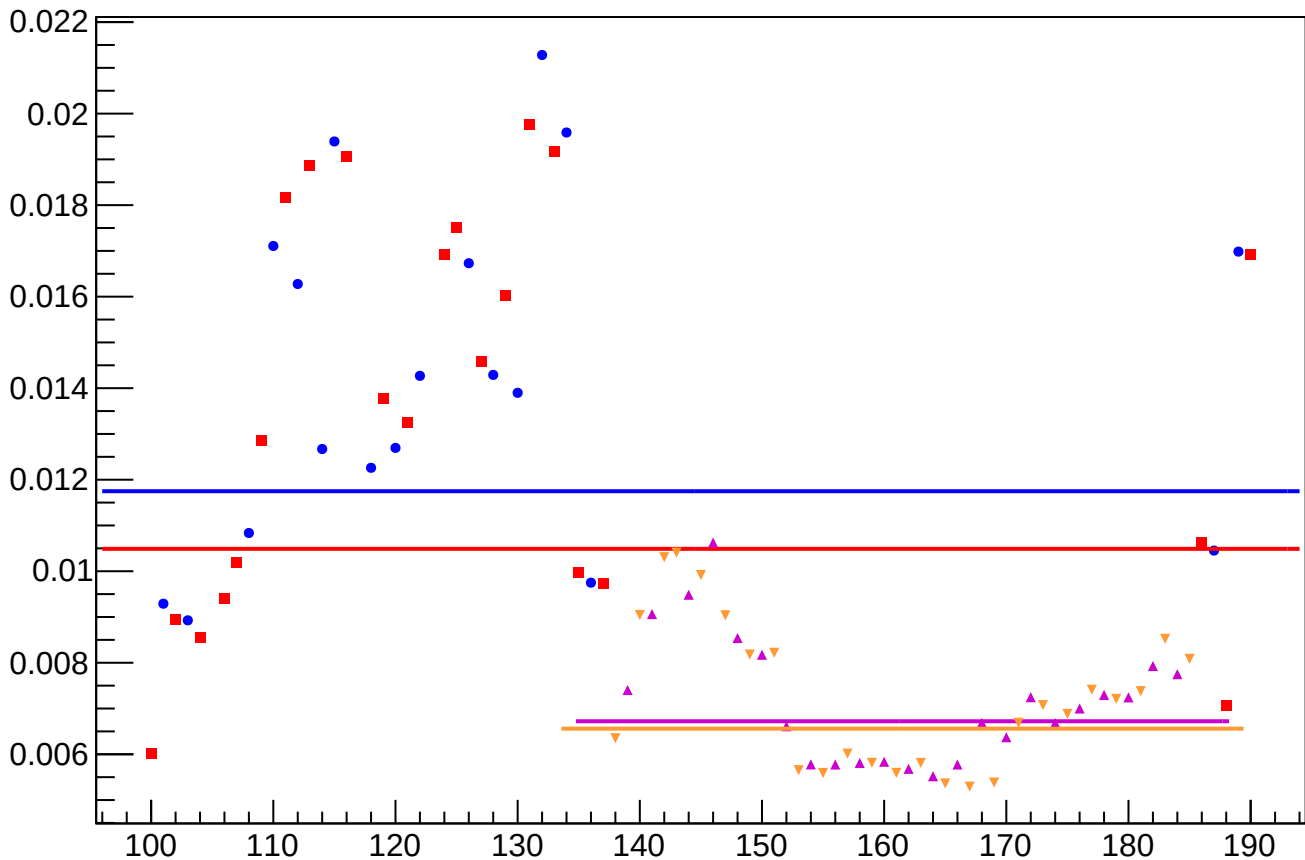
Left In: -0.691 ± 0.000 χ^2/NDF : 16867819938.3/22

+ sign -0.657 ± 0.000 χ^2/NDF : 27799405388.2/42

All: -0.659 ± 0.000 χ^2/NDF : 50870562727.9

- sign -0.662 ± 0.000 χ^2/NDF : 23064743898.2/44

yield_bpm0r03Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 888429.8/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1404221.4/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1708720.0/21

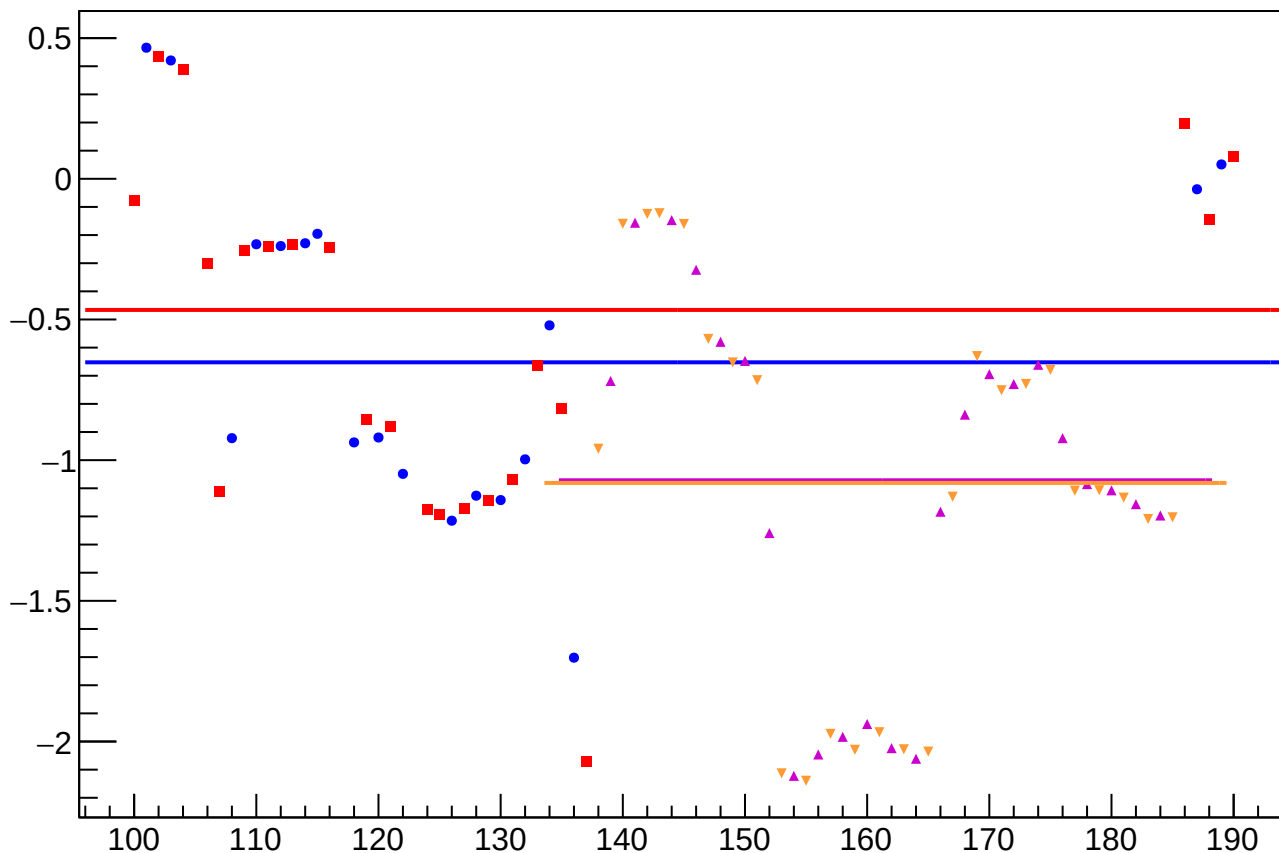
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:960755.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4588676.3/42

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8847170.0/87

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4243285.1/44

yield_bpm0r05X_mean vs Slug



Right In: -0.652 ± 0.000 χ^2/NDF : 482460934.4/17

Left Out: -1.081 ± 0.000 χ^2/NDF : 1152285460.9/24

Right Out: -0.466 ± 0.000 χ^2/NDF : 416901194.0/21

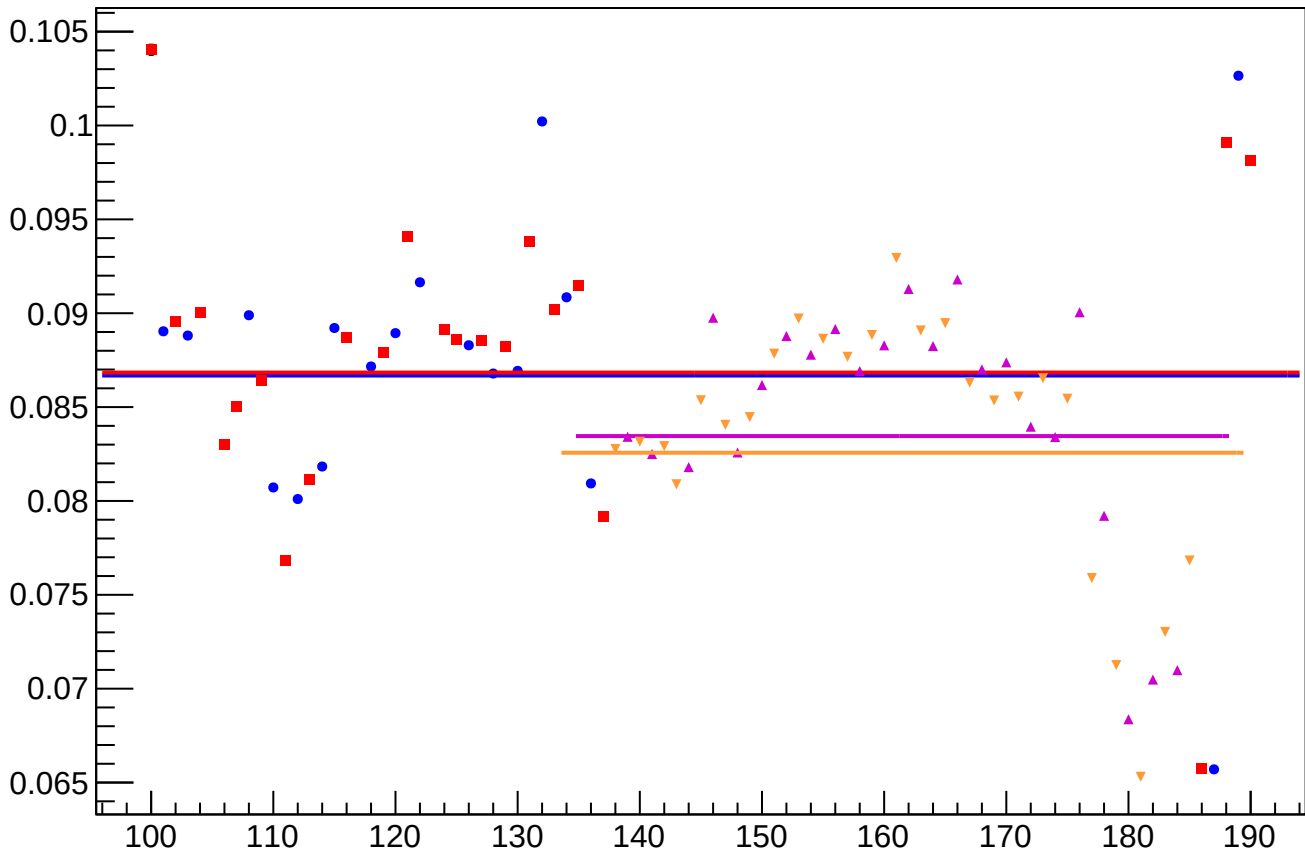
Left In: -1.072 ± 0.000 χ^2/NDF : 975623531.2/22

+ sign -0.965 ± 0.000 χ^2/NDF : 1774594610.2/42

All: -0.922 ± 0.000 χ^2/NDF : 3482372810.6/8

- sign -0.880 ± 0.000 χ^2/NDF : 1694068721.2/44

yield_bpm0r05X_rms vs Slug



Right In: 0.087 $\pm$ 0.000 χ^2 /NDF: 107124.5/17

Left Out: 0.083 $\pm$ 0.000 χ^2 /NDF:291134.3/24

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 168693.4/21

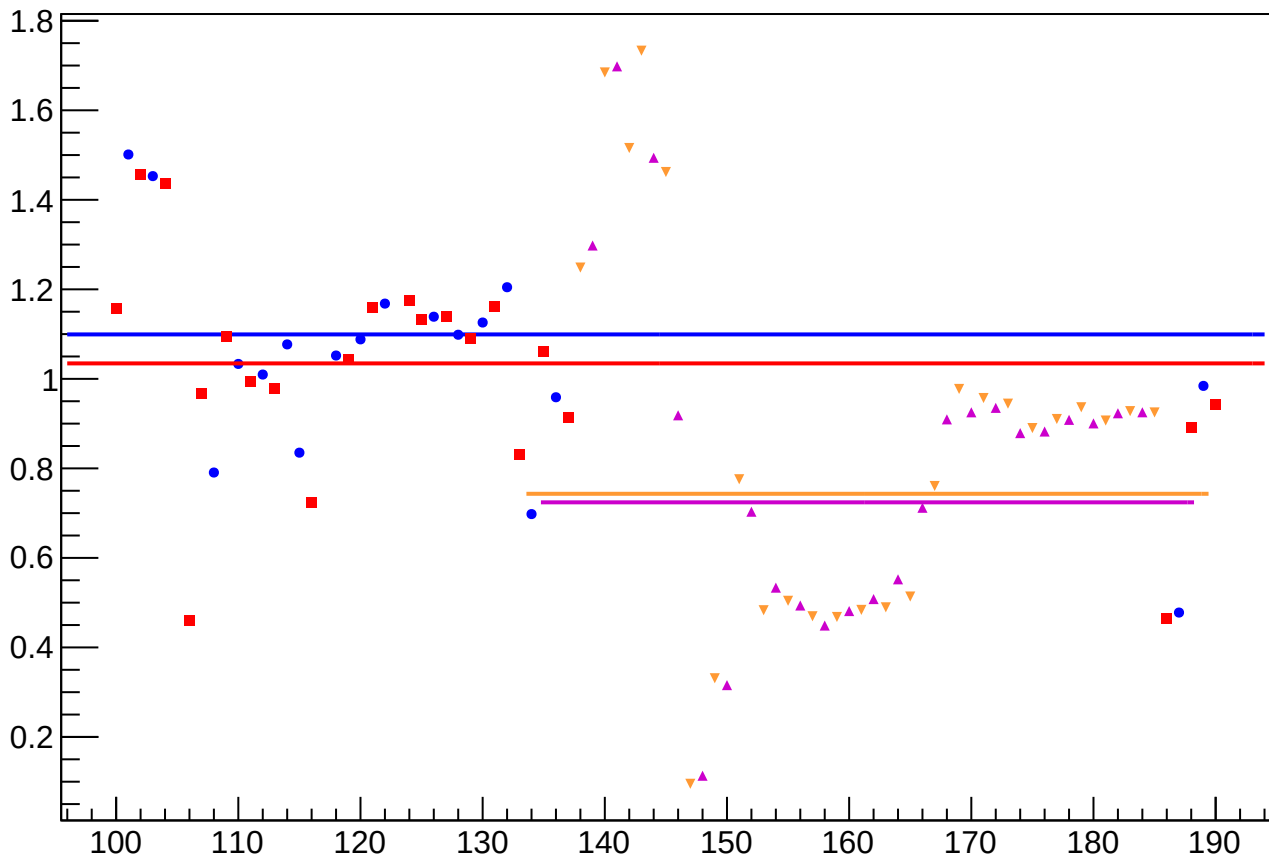
Left In: 0.083 $\pm$ 0.000 χ^2 /NDF:238412.3/22

+ sign 0.084 $\pm$ 0.000 χ^2 /NDF: 424017.3/42

All: 0.084 $\pm$ 0.000 χ^2 /NDF: 852666.5/87

- sign 0.085 $\pm$ 0.000 χ^2 /NDF: 425938.3/44

yield_bpm0r05Y_mean vs Slug



Right In: 1.099 ± 0.000 χ^2/NDF : 1820845294.9/17

Left Out: 0.743 ± 0.000 χ^2/NDF : 32581746516.6/24

Right Out: 1.035 ± 0.000 χ^2/NDF : 2538852067.8/21

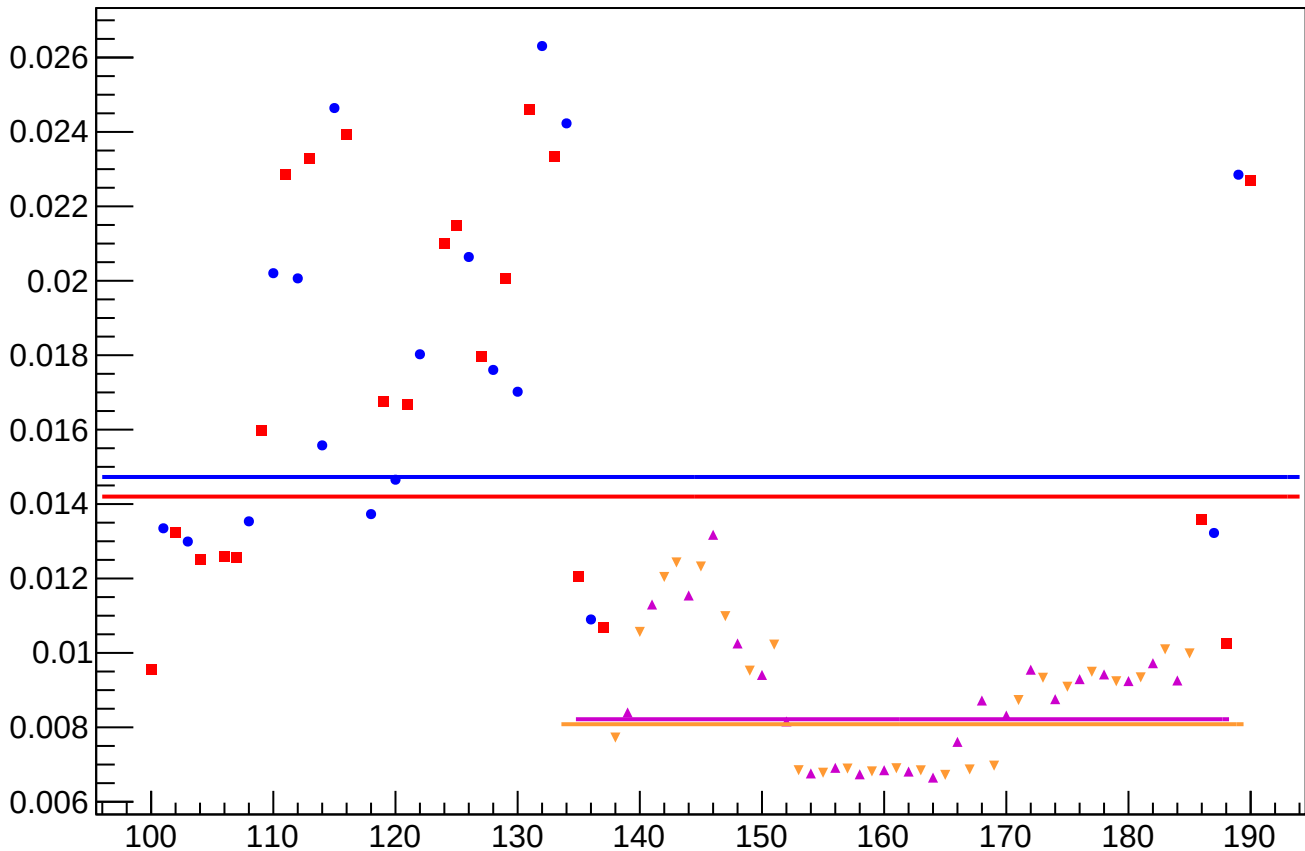
Left In: 0.724 ± 0.000 χ^2/NDF : 25654534031.9/22

+ sign 0.779 ± 0.000 χ^2/NDF : 37852002976.2/42

All: 0.772 ± 0.000 χ^2/NDF : 69157363580.8/8

- sign 0.764 ± 0.000 χ^2/NDF : 31273607956.2/44

yield_bpm0r05Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 844156.7/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1406307.1/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1236463.9/21

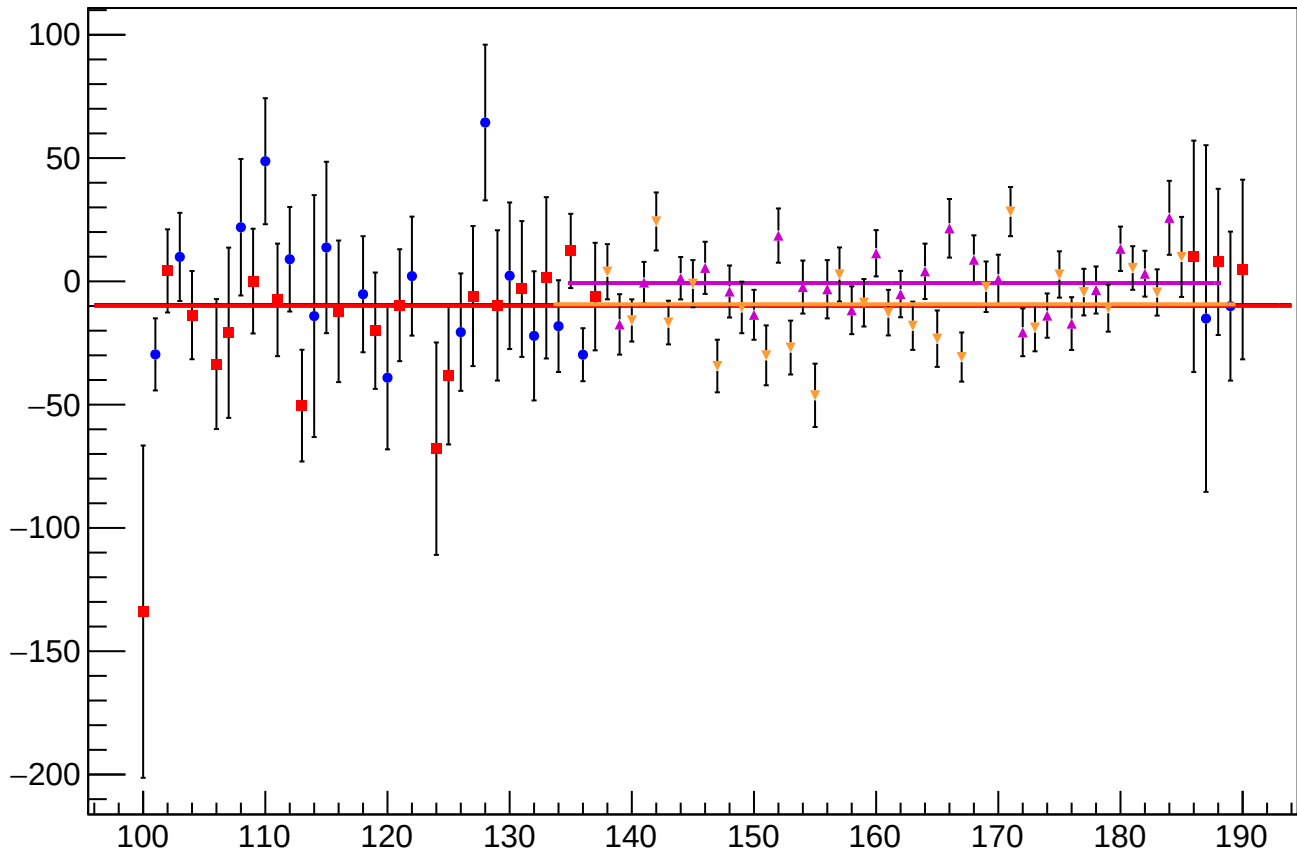
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1127833.6/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4652232.9/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 9321923.7/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4652800.2/44

diff_bpm4aX_mean vs Slug



Right In: -9.625 ± 5.197 χ^2/NDF : 21.9/17

Left Out: -9.292 ± 2.031 χ^2/NDF : 61.1/24

Right Out: -9.952 ± 5.312 χ^2/NDF : 14.6/21

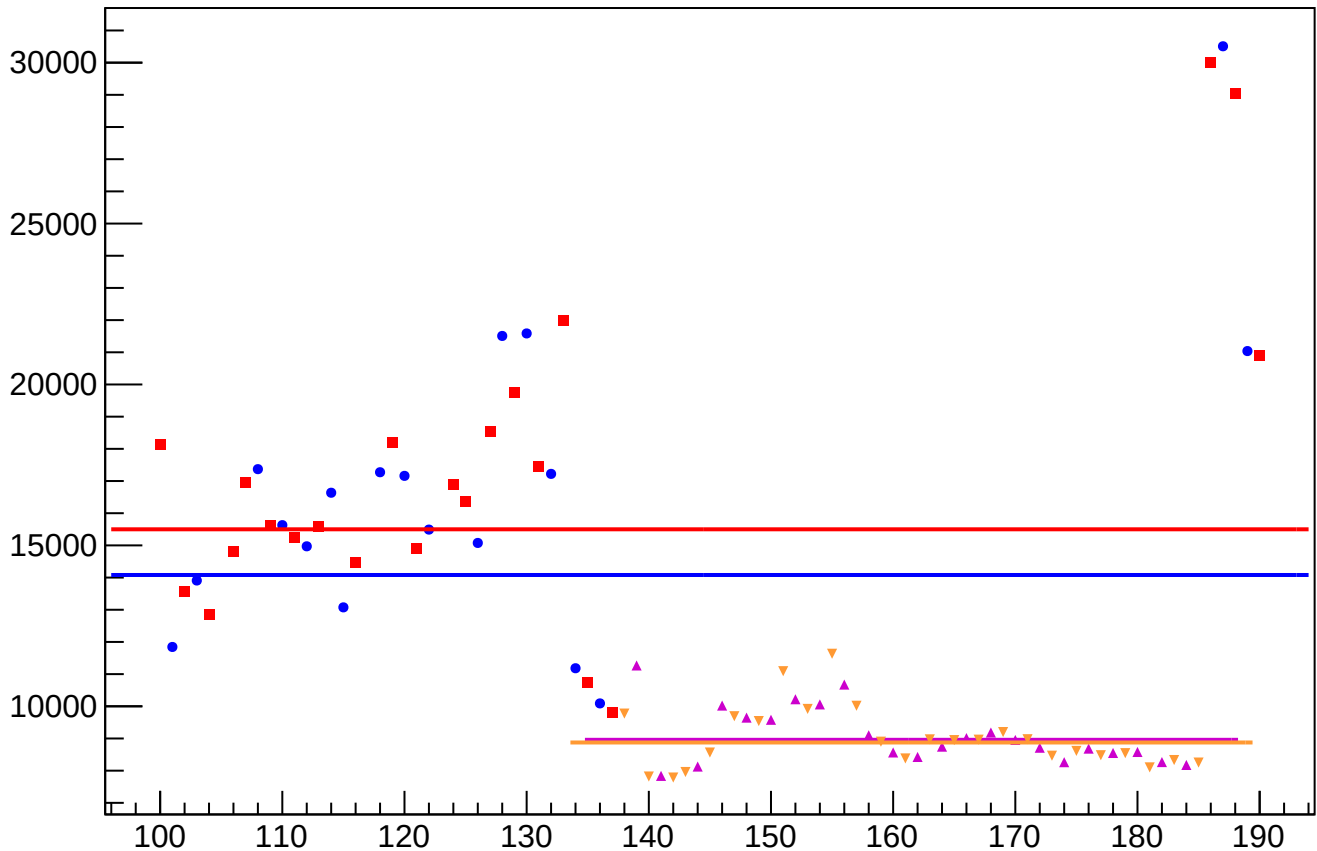
Left In: -0.676 ± 2.104 χ^2/NDF : 29.4/22

+ sign -9.336 ± 1.891 χ^2/NDF : 83.1/42

All: -5.760 ± 1.360 χ^2/NDF : 137.2/87

- sign -1.934 ± 1.956 χ^2/NDF : 46.7/44

diff_bpm4aX_rms vs Slug



Right In: 14080.293+/-3.675 χ^2/NDF : 969594.5/17

Left Out: 8875.623+/-1.436 χ^2/NDF : 346964.6/24

Right Out: 15499.862+/-3.756 χ^2/NDF : 1250517.4/21

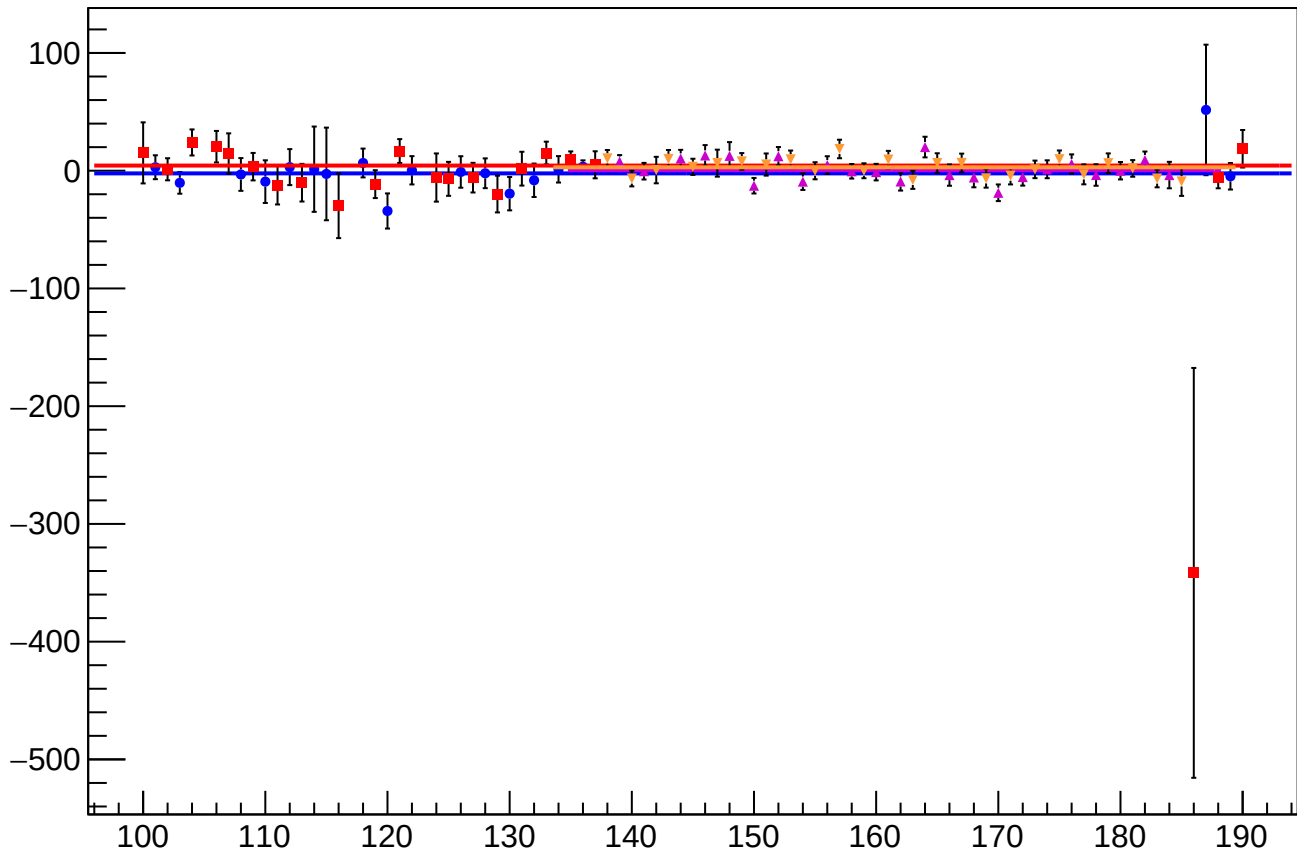
Left In: 8958.661+/-1.488 χ^2/NDF : 301724.6/22

+ sign 9564.925+/-1.337 χ^2/NDF : 3056718.6/42

All: 9700.624+/-0.962 χ^2/NDF : 7251537.4/87

- sign 9845.804+/-1.383 χ^2/NDF : 4173508.9/44

diff_bpm4aY_mean vs Slug



Right In: -2.284 ± 2.824 χ^2/NDF : 10.3/17

Left Out: 2.879 ± 1.554 χ^2/NDF : 19.5/24

Right Out: 4.362 ± 2.676 χ^2/NDF : 23.5/21

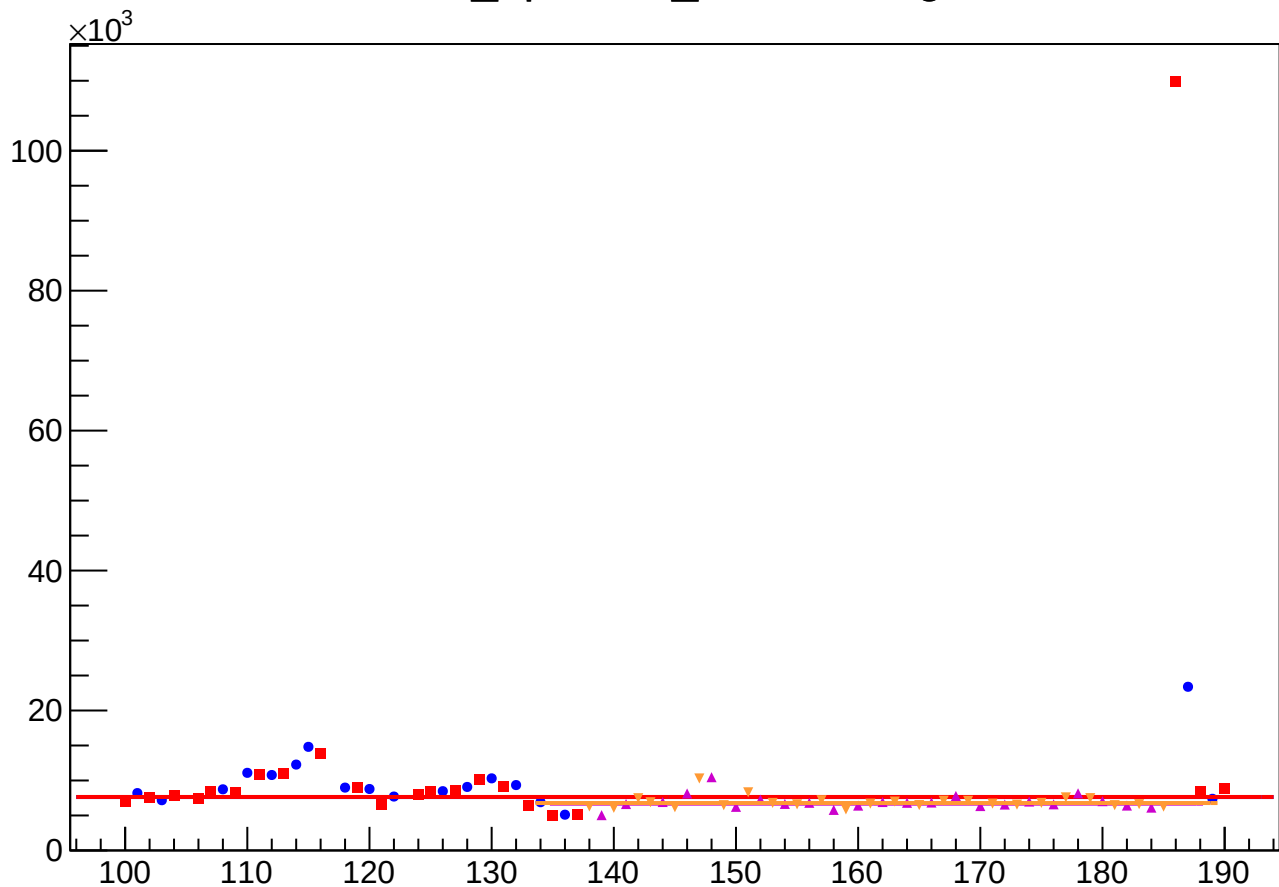
Left In: 0.456 ± 1.581 χ^2/NDF : 32.8/22

+ sign 1.679 ± 1.361 χ^2/NDF : 32.3/42

All: 1.573 ± 0.963 χ^2/NDF : 90.2/87

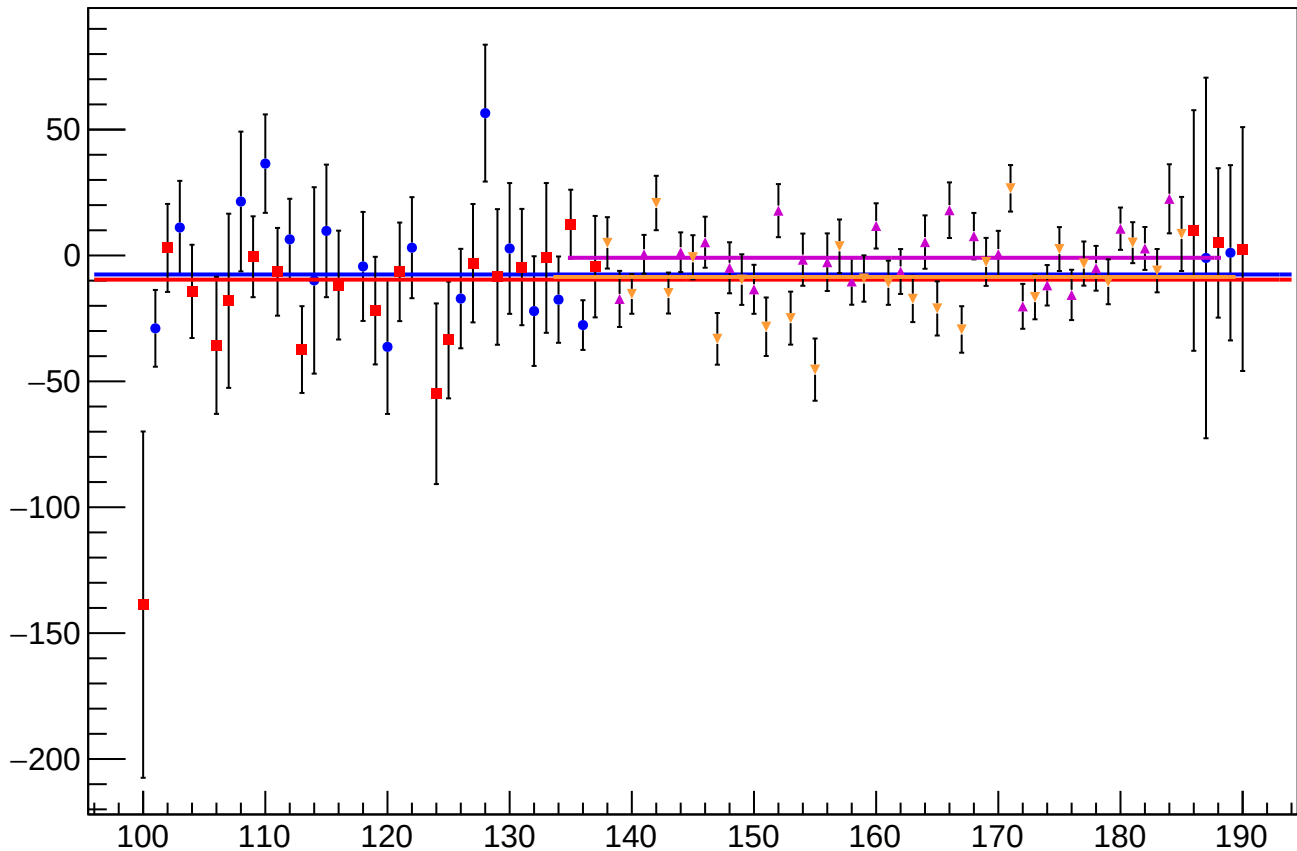
- sign 1.467 ± 1.361 χ^2/NDF : 57.8/44

diff_bpm4aY_rms vs Slug



Right In: 7632.503 ± 1.997 $\chi^2/\text{NDF}: 1054264.5/17$ + sign 6975.552 ± 0.963 $\chi^2/\text{NDF}: 1595380.9/42$
 Left Out: 6776.739 ± 1.099 $\chi^2/\text{NDF}: 400166.7/24$ All: 6956.138 ± 0.681 $\chi^2/\text{NDF}: 3951994.1/87$
 Right Out: 7644.493 ± 1.892 $\chi^2/\text{NDF}: 1546768.6/21$ - sign 6936.720 ± 0.963 $\chi^2/\text{NDF}: 2355799.7/44$
 Left In: 6689.550 ± 1.118 $\chi^2/\text{NDF}: 620276.8/22$

diff_bpm4eX_mean vs Slug



Right In: -7.552 ± 4.694 χ^2/NDF : 22.8/17

Left Out: -8.536 ± 1.897 χ^2/NDF : 61.9/24

Right Out: -9.598 ± 4.730 χ^2/NDF : 14.4/21

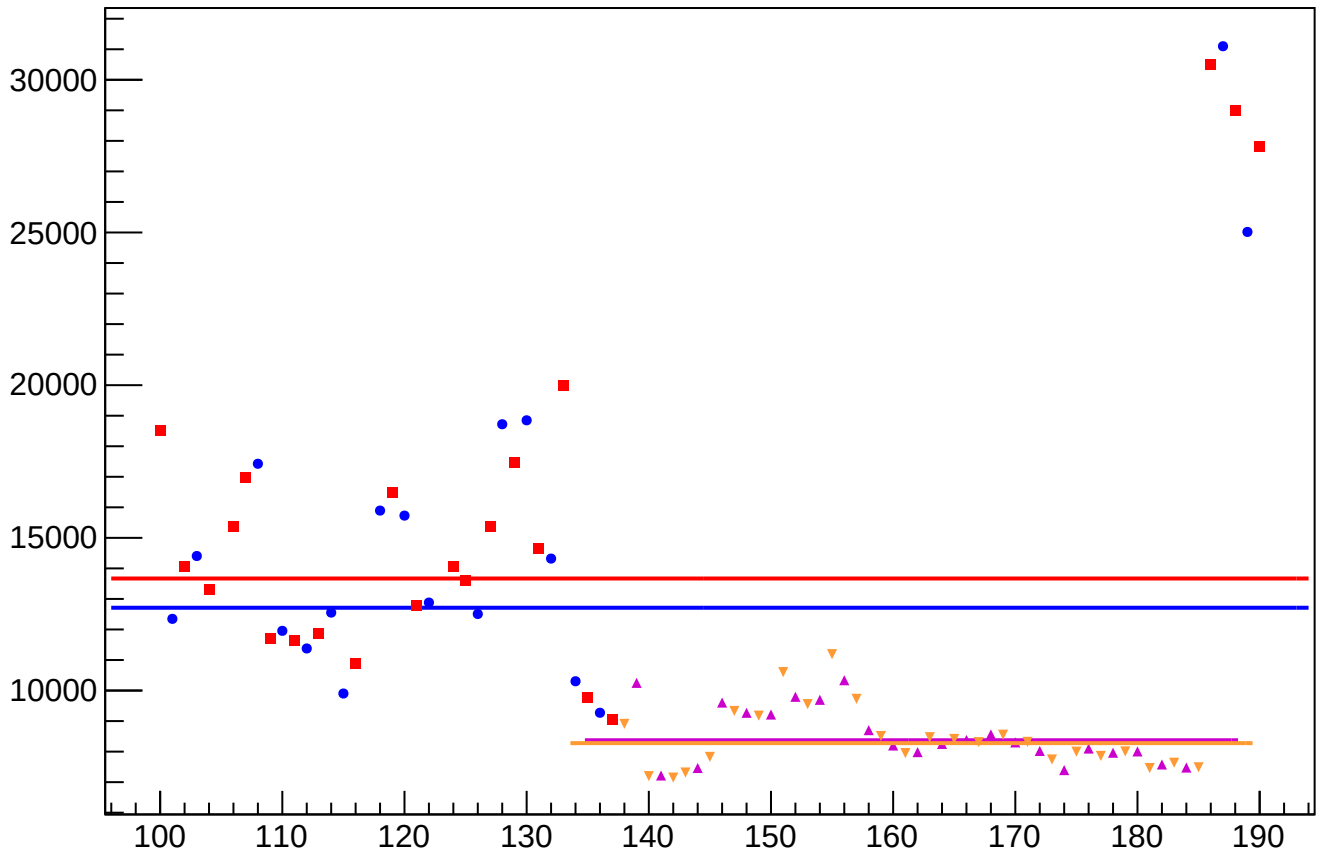
Left In: -0.919 ± 1.969 χ^2/NDF : 29.1/22

+ sign -8.398 ± 1.759 χ^2/NDF : 84.7/42

All: -5.402 ± 1.264 χ^2/NDF : 137.1/87

- sign -2.201 ± 1.818 χ^2/NDF : 46.4/44

diff_bpm4eX_rms vs Slug



Right In: 12711.593+/-3.319 χ^2/NDF : 1068687.2/17

Left Out: 8277.768+/-1.341 χ^2/NDF : 455108.5/24

Right Out: 13669.065+/-3.345 χ^2/NDF : 1552478.3/21

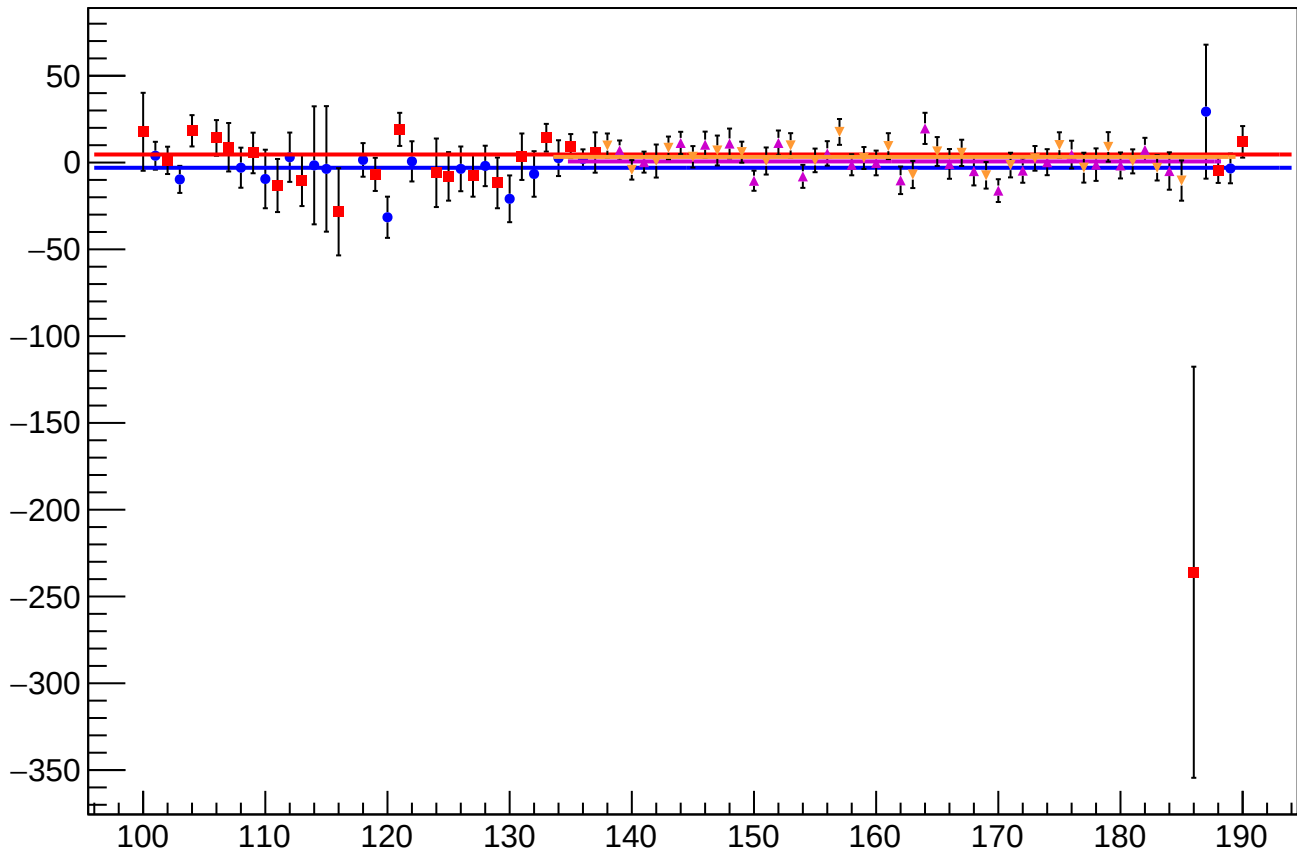
Left In: 8372.363+/-1.392 χ^2/NDF : 392872.1/22

+ sign 8899.947+/-1.243 χ^2/NDF : 3057517.6/42

All: 9023.033+/-0.894 χ^2/NDF : 7160561.2/87

- sign 9154.542+/-1.285 χ^2/NDF : 4082777.2/44

diff_bpm4eY_mean vs Slug



Right In: -3.008 ± 2.531 χ^2/NDF : 11.6/17

Left Out: 3.255 ± 1.457 χ^2/NDF : 17.6/24

Right Out: 4.647 ± 2.331 χ^2/NDF : 23.2/21

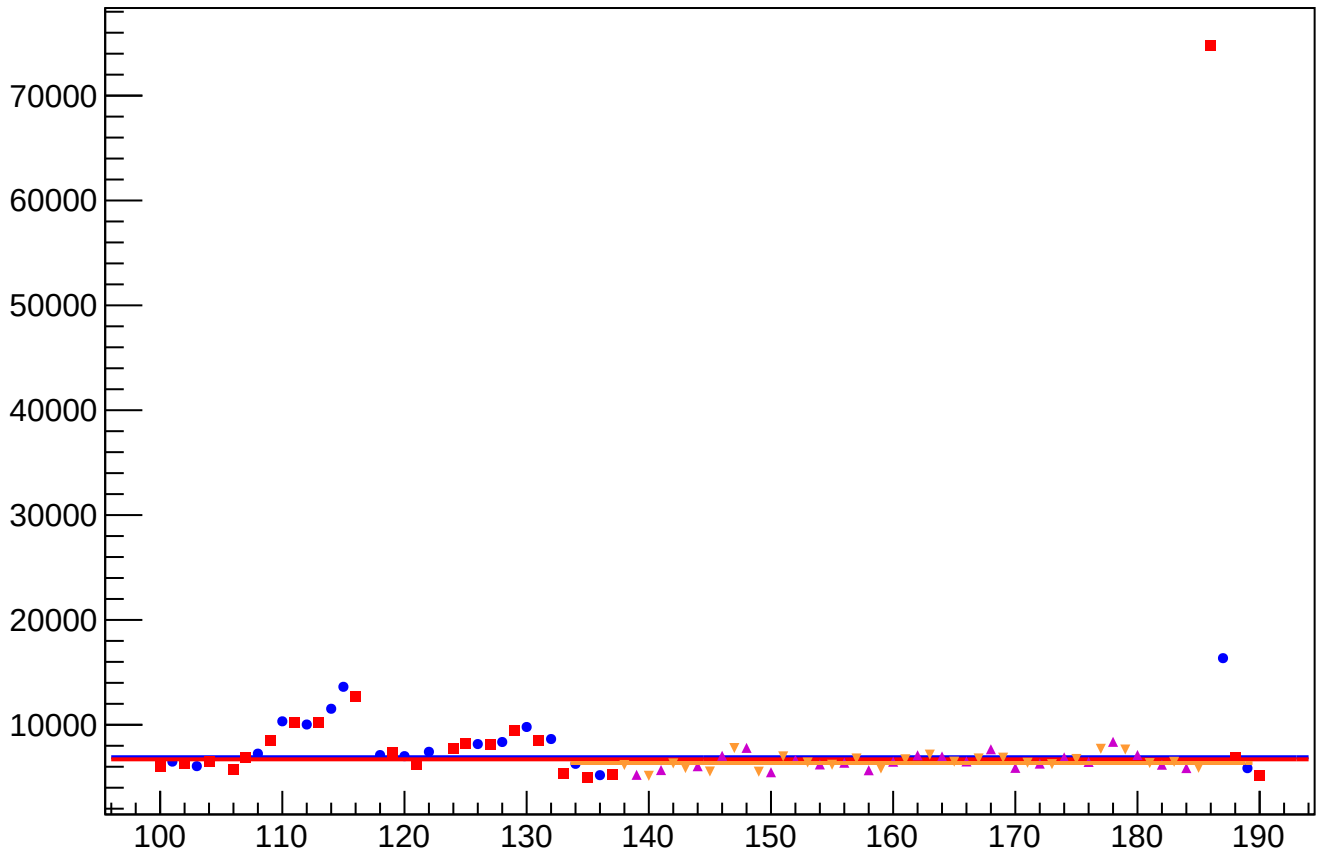
Left In: 0.645 ± 1.499 χ^2/NDF : 30.8/22

+ sign 1.696 ± 1.263 χ^2/NDF : 33.8/42

All: 1.756 ± 0.892 χ^2/NDF : 89.9/87

- sign 1.816 ± 1.261 χ^2/NDF : 56.1/44

diff_bpm4eY_rms vs Slug



Right In: 6905.800+/-1.789 χ^2/NDF : 846869.1/17

Left Out: 6357.608+/-1.030 χ^2/NDF : 414119.5/24

Right Out: 6707.271+/-1.648 χ^2/NDF : 1517597.9/21

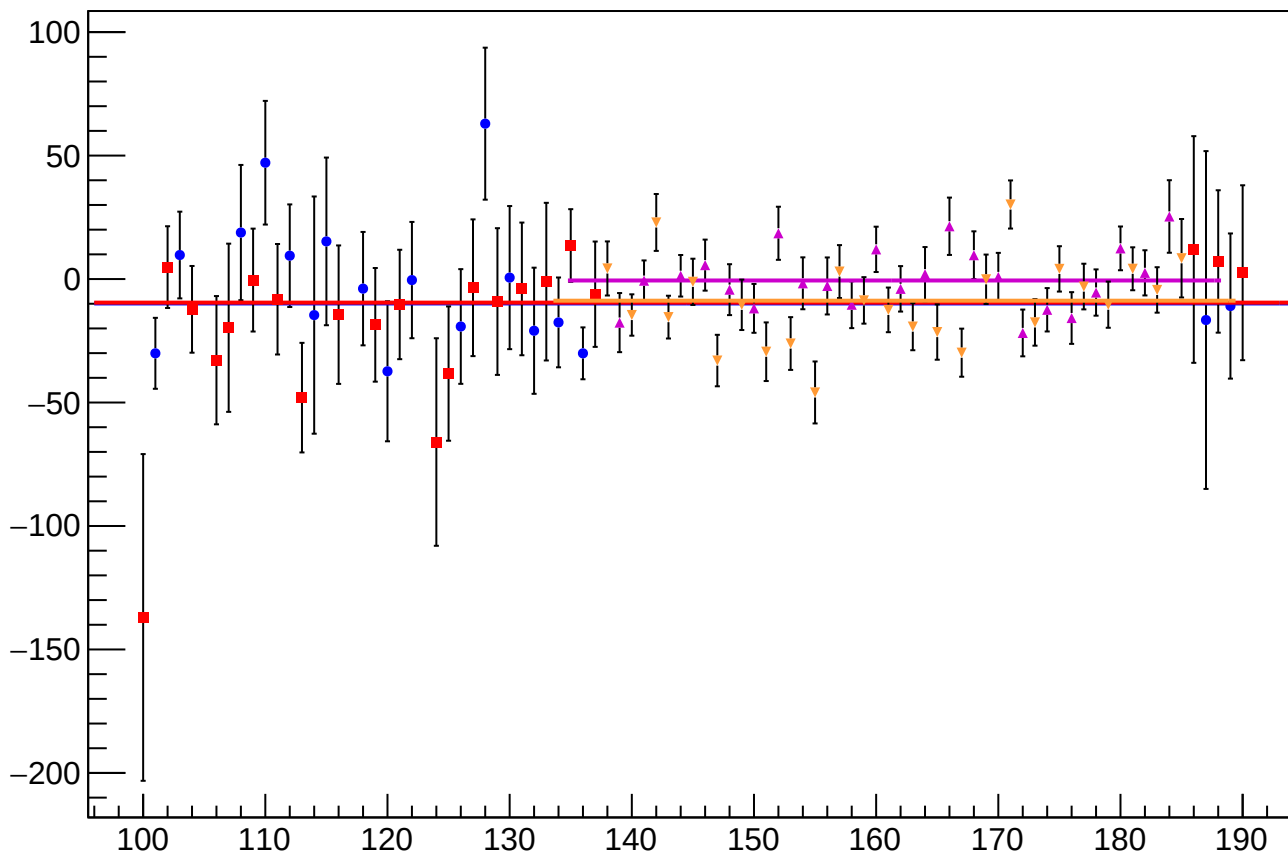
Left In: 6359.907+/-1.060 χ^2/NDF : 473875.4/22

+ sign 6494.105+/-0.893 χ^2/NDF : 1331468.9/42

All: 6477.799+/-0.631 χ^2/NDF : 3355020.7/87

- sign 6461.540+/-0.892 χ^2/NDF : 2022885.9/44

diff_bpm4acX_mean vs Slug



Right In: -9.881 ± 5.085 χ^2/NDF : 22.1/17

Left Out: -8.767 ± 1.987 χ^2/NDF : 62.7/24

Right Out: -9.547 ± 5.198 χ^2/NDF : 15.0/21

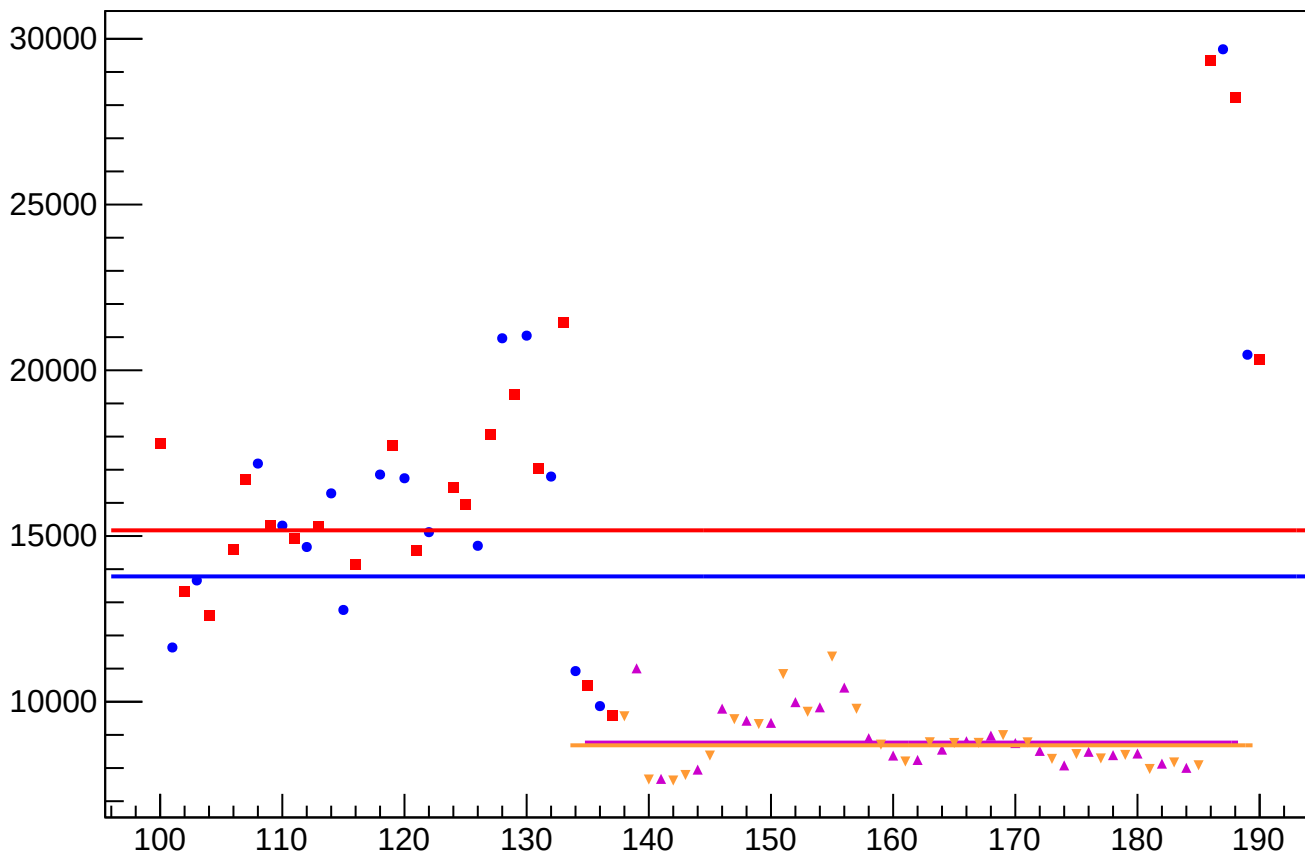
Left In: -0.579 ± 2.059 χ^2/NDF : 29.6/22

+ sign -8.914 ± 1.851 χ^2/NDF : 84.8/42

All: -5.475 ± 1.331 χ^2/NDF : 139.1/87

- sign -1.796 ± 1.914 χ^2/NDF : 47.2/44

diff_bpm4acX_rms vs Slug



Right In: 13781.574 $\pm$ 3.596 χ^2 /NDF: 962022.9/17

Left Out: 8686.048 $\pm$ 1.405 χ^2 /NDF:340655.6/24

Right Out: 15171.565 $\pm$ 3.675 χ^2 /NDF: 1237326.9/21

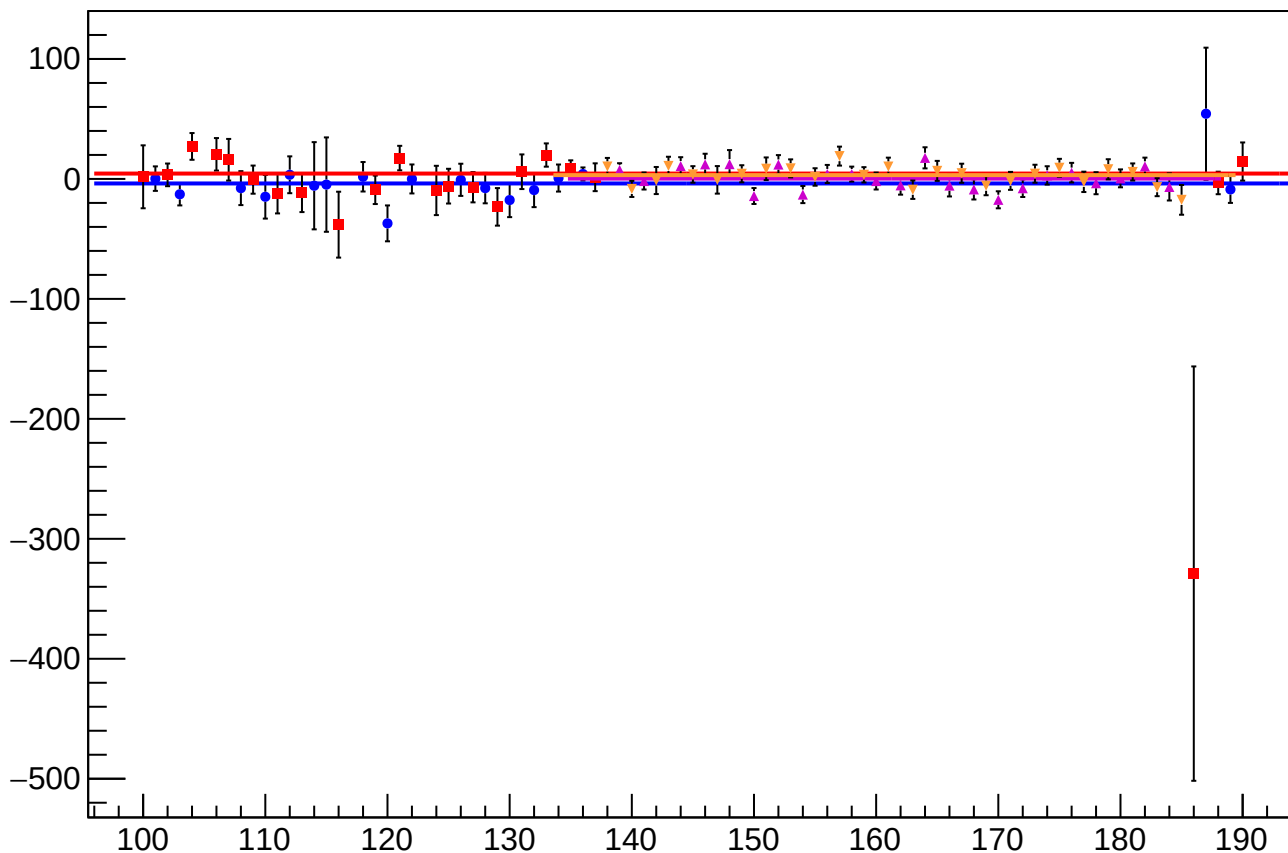
Left In: 8767.705 $\pm$ 1.456 χ^2 /NDF:295552.8/22

+ sign 9360.916 $\pm$ 1.309 χ^2 /NDF: 3044693.9/42

All: 9494.018 $\pm$ 0.941 χ^2 /NDF: 7223165.3/87

- sign 9636.430 $\pm$ 1.354 χ^2 /NDF: 4157058.5/44

diff_bpm4acY_mean vs Slug



Right In: -3.780 ± 2.840 χ^2/NDF : 11.8/17

Left Out: 3.171 ± 1.562 χ^2/NDF : 21.7/24

Right Out: 4.472 ± 2.692 χ^2/NDF : 26.2/21

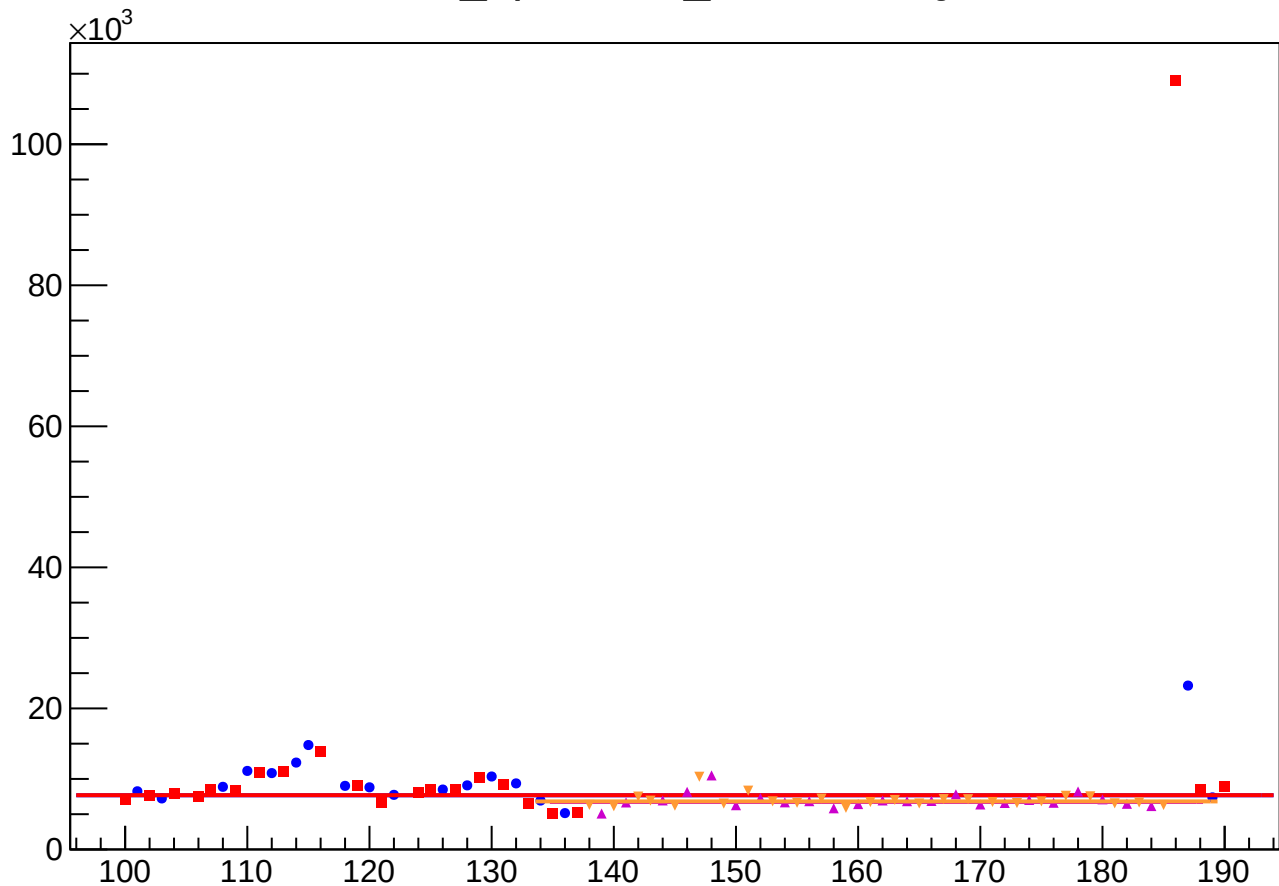
Left In: 0.269 ± 1.590 χ^2/NDF : 34.2/22

+ sign 1.557 ± 1.369 χ^2/NDF : 38.1/42

All: 1.457 ± 0.968 χ^2/NDF : 100.3/87

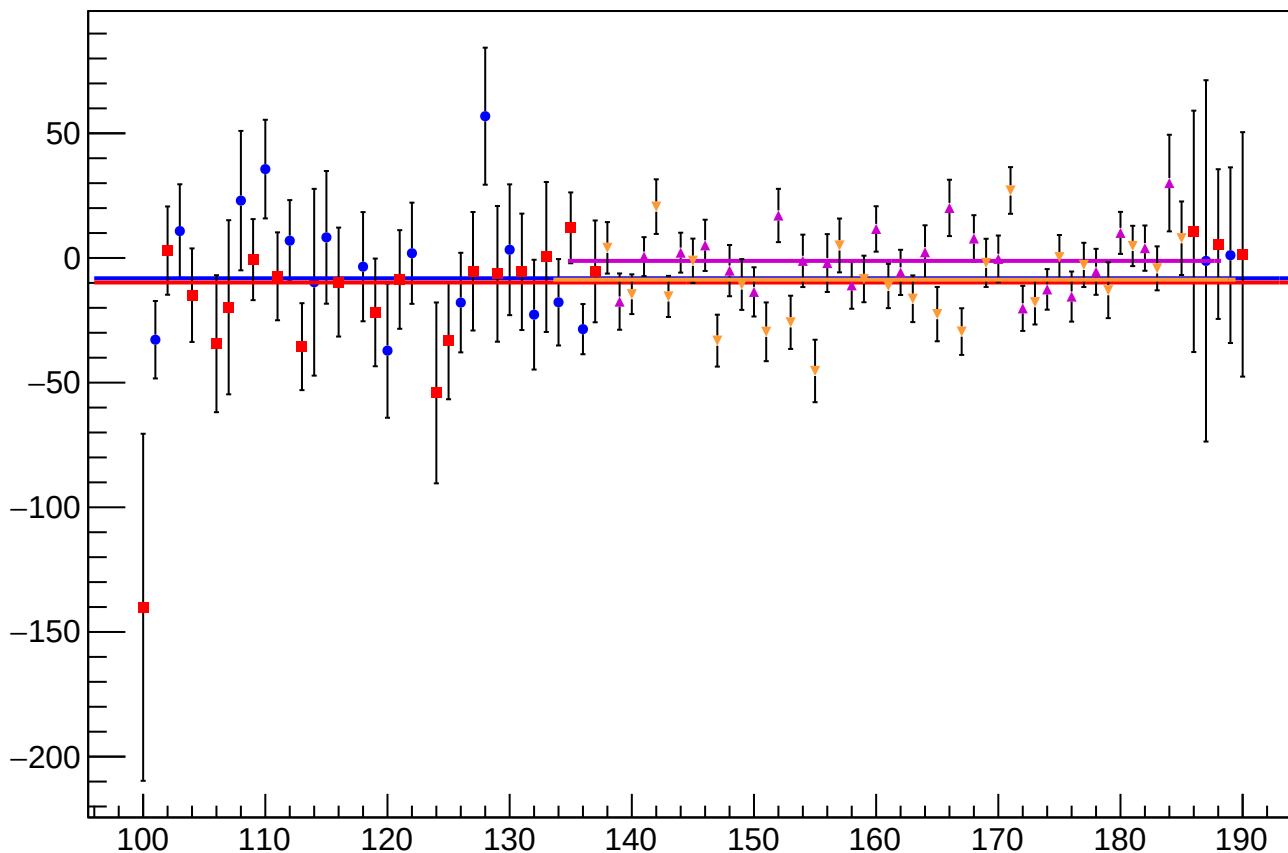
- sign 1.356 ± 1.369 χ^2/NDF : 62.3/44

diff_bpm4acY_rms vs Slug



Right In: 7680.132 ± 2.009 $\chi^2/\text{NDF}: 1040808.5/17$ + sign 7014.276 ± 0.968 $\chi^2/\text{NDF}: 1578560.4/42$
 Left Out: 6812.964 ± 1.104 $\chi^2/\text{NDF}: 394620.8/24$ All: 6996.306 ± 0.684 $\chi^2/\text{NDF}: 3909308.5/87$
 Right Out: 7696.137 ± 1.904 $\chi^2/\text{NDF}: 1528213.0/21$ - sign 6978.321 ± 0.968 $\chi^2/\text{NDF}: 2330058.1/44$
 Left In: 6727.864 ± 1.124 $\chi^2/\text{NDF}: 610037.3/22$

diff_bpm4ecX_mean vs Slug



Right In: -8.148 ± 4.759 $\chi^2/\text{NDF}: 23.3/17$

Left Out: -8.692 ± 1.936 $\chi^2/\text{NDF}: 61.4/24$

Right Out: -9.837 ± 4.799 $\chi^2/\text{NDF}: 13.4/21$

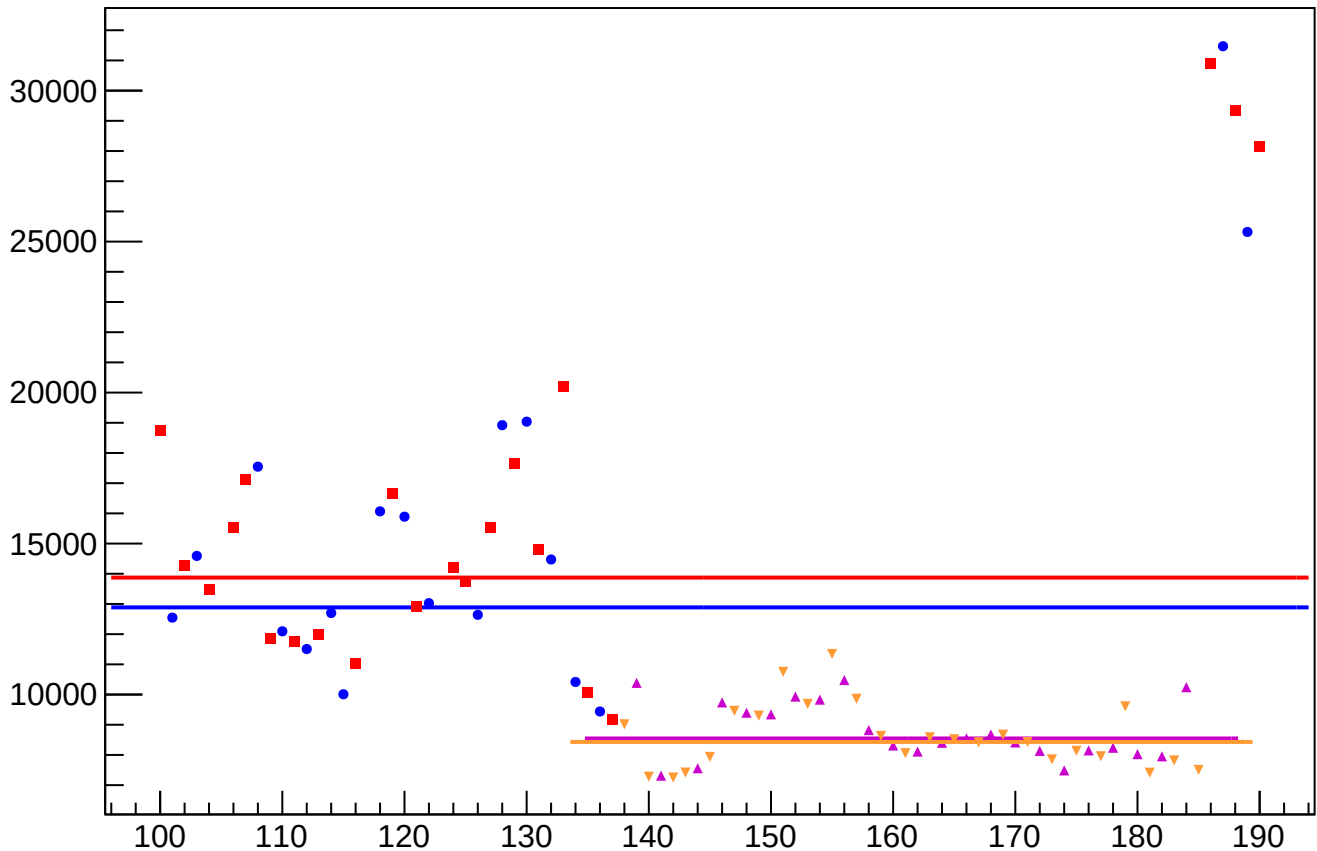
Left In: -1.174 ± 2.012 $\chi^2/\text{NDF}: 28.6/22$

+ sign -8.615 ± 1.793 $\chi^2/\text{NDF}: 84.8/42$

All: -5.647 ± 1.290 $\chi^2/\text{NDF}: 135.2/87$

- sign -2.469 ± 1.856 $\chi^2/\text{NDF}: 44.7/44$

diff_bpm4ecX_rms vs Slug



Right In: 12886.742+/-3.365 χ^2/NDF : 1054208.6/17

Left Out: 8430.683+/-1.369 χ^2/NDF : 484653.2/24

Right Out: 13873.667+/-3.394 χ^2/NDF : 1527422.4/21

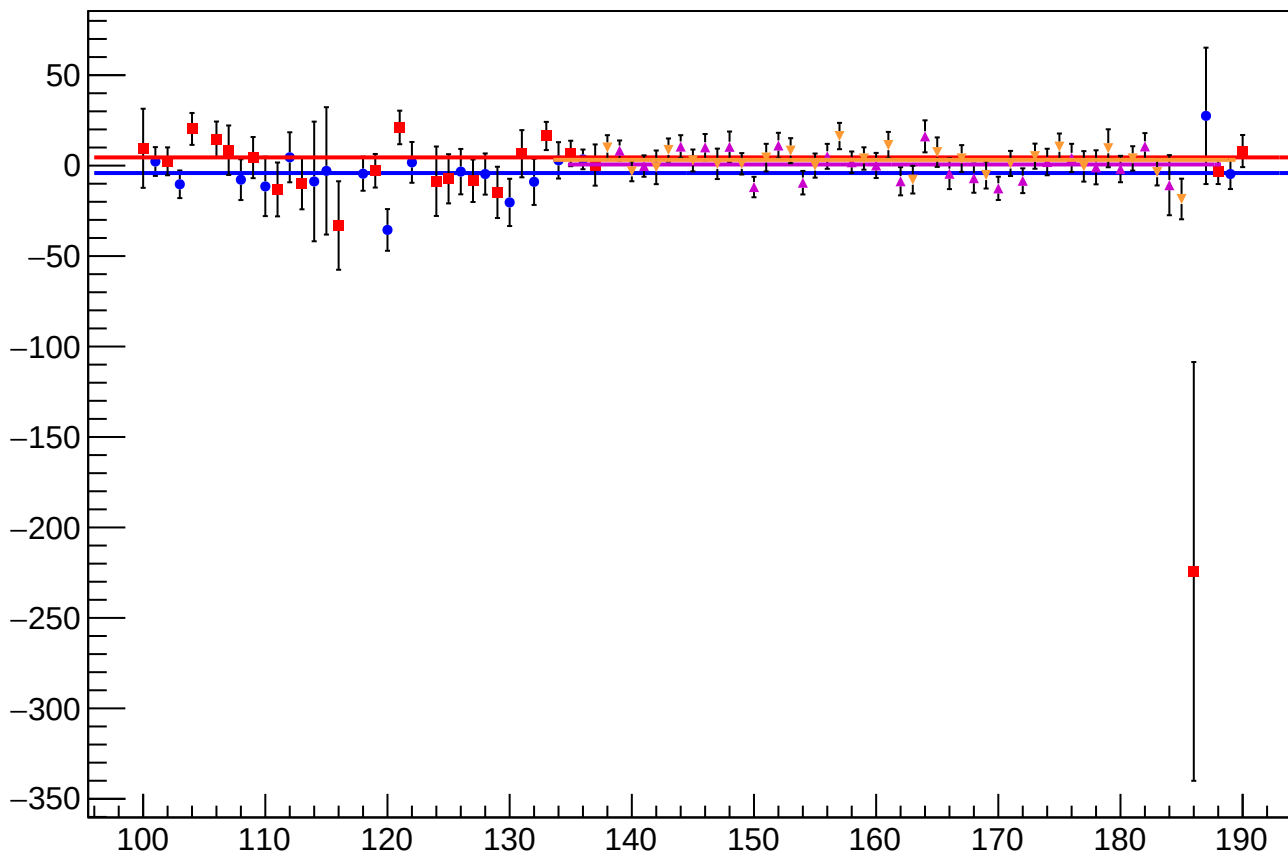
Left In: 8545.534+/-1.423 χ^2/NDF : 389747.0/22

+ sign 9063.473+/-1.268 χ^2/NDF : 3043253.2/42

All: 9198.101+/-0.912 χ^2/NDF : 7080276.8/87

- sign 9342.262+/-1.312 χ^2/NDF : 4013685.0/44

diff_bpm4ecY_mean vs Slug



Right In: -4.107 ± 2.476 χ^2/NDF : 14.6/17

Left Out: 3.185 ± 1.435 χ^2/NDF : 18.7/24

Right Out: 4.539 ± 2.283 χ^2/NDF : 25.0/21

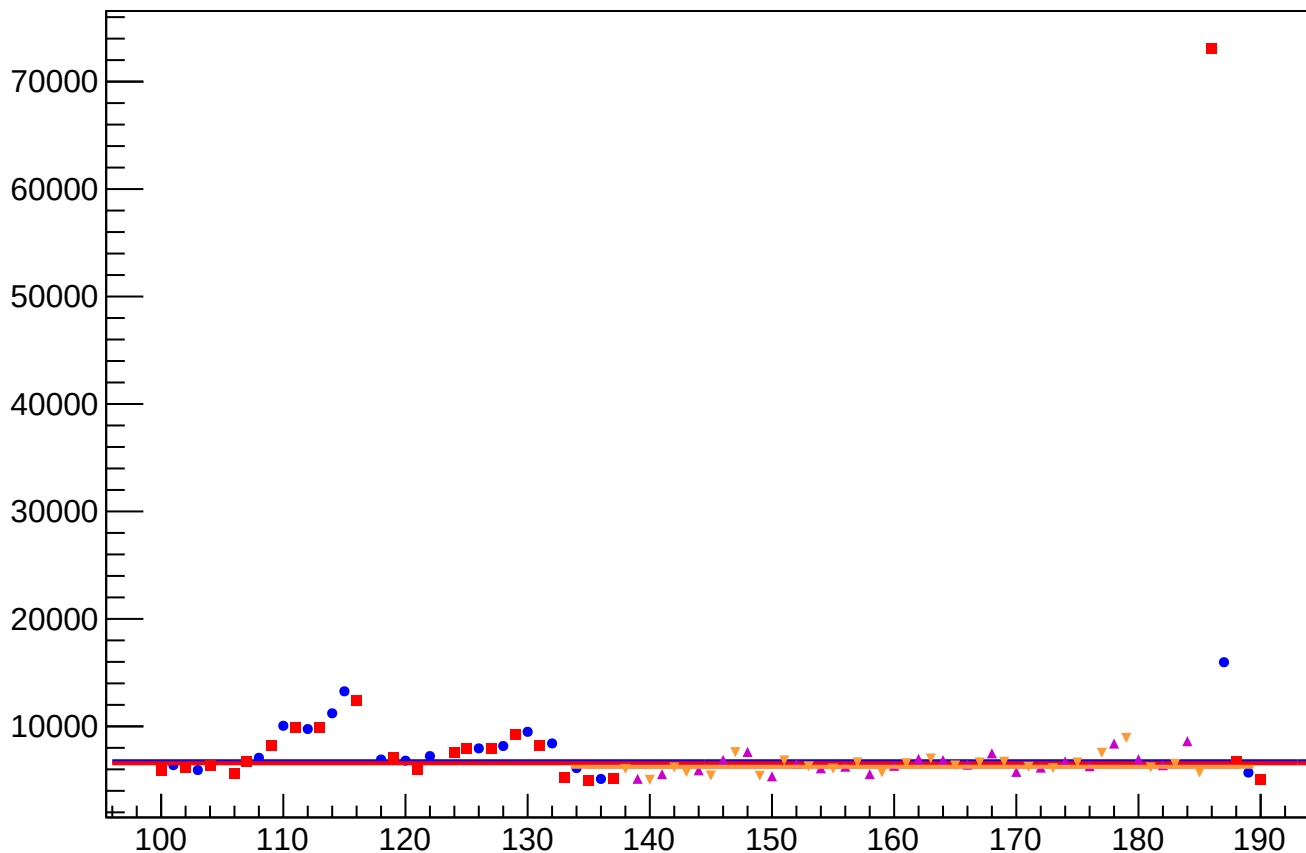
Left In: 0.633 ± 1.482 χ^2/NDF : 31.8/22

+ sign 1.352 ± 1.241 χ^2/NDF : 39.7/42

All: 1.571 ± 0.878 χ^2/NDF : 98.7/87

- sign 1.791 ± 1.243 χ^2/NDF : 58.9/44

diff_bpm4ecY_rms vs Slug



Right In: 6754.677+/-1.751 χ^2/NDF : 826967.0/17

Left Out: 6237.931+/-1.015 χ^2/NDF : 507726.8/24

Right Out: 6566.235+/-1.614 χ^2/NDF : 1483358.3/21

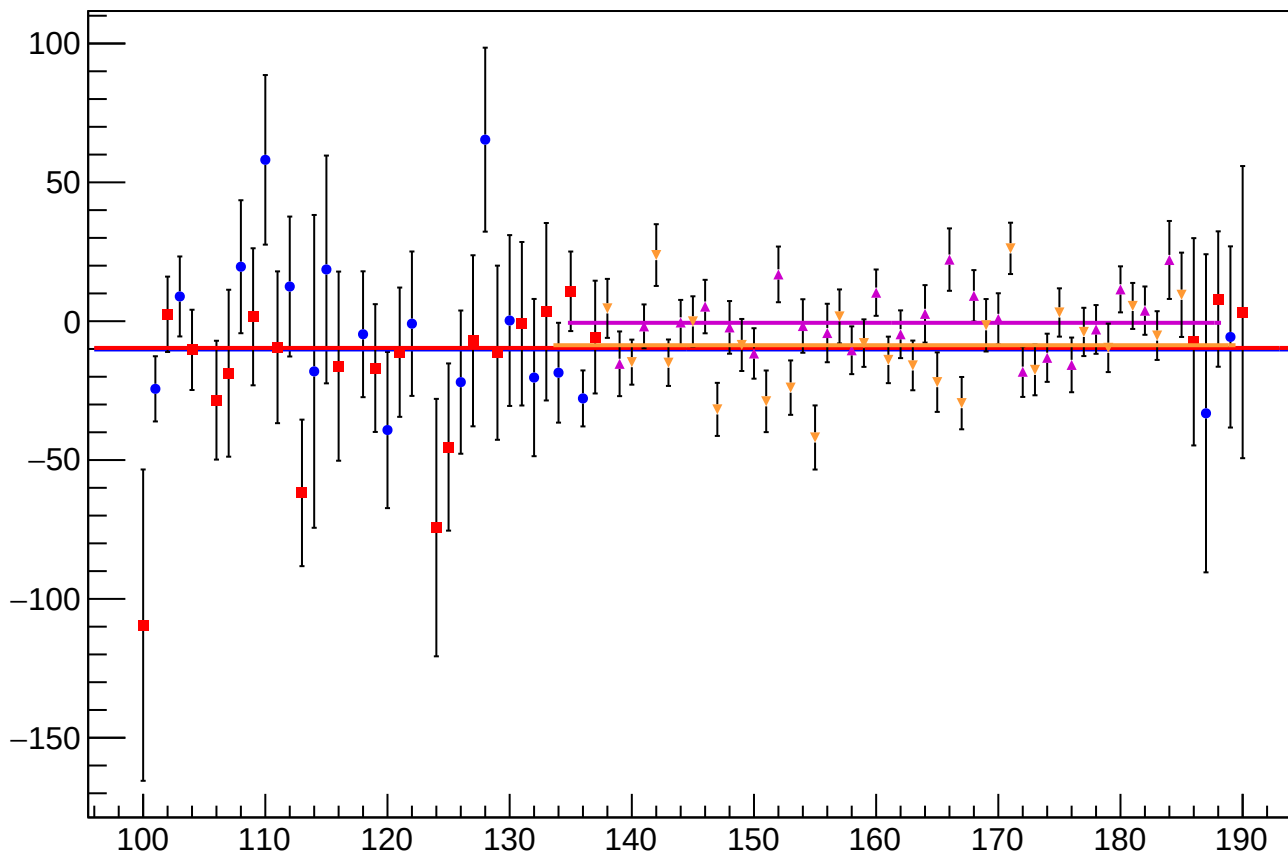
Left In: 6268.263+/-1.048 χ^2/NDF : 524326.6/22

+ sign 6367.801+/-0.878 χ^2/NDF : 1399893.0/42

All: 6362.209+/-0.621 χ^2/NDF : 3431637.9/87

- sign 6356.604+/-0.879 χ^2/NDF : 2031663.6/44

diff_bpm1X_mean vs Slug



Right In: -10.182 ± 4.940 χ^2/NDF : 21.4/17

Left Out: -8.650 ± 1.875 χ^2/NDF : 63.0/24

Right Out: -9.625 ± 5.085 χ^2/NDF : 15.4/21

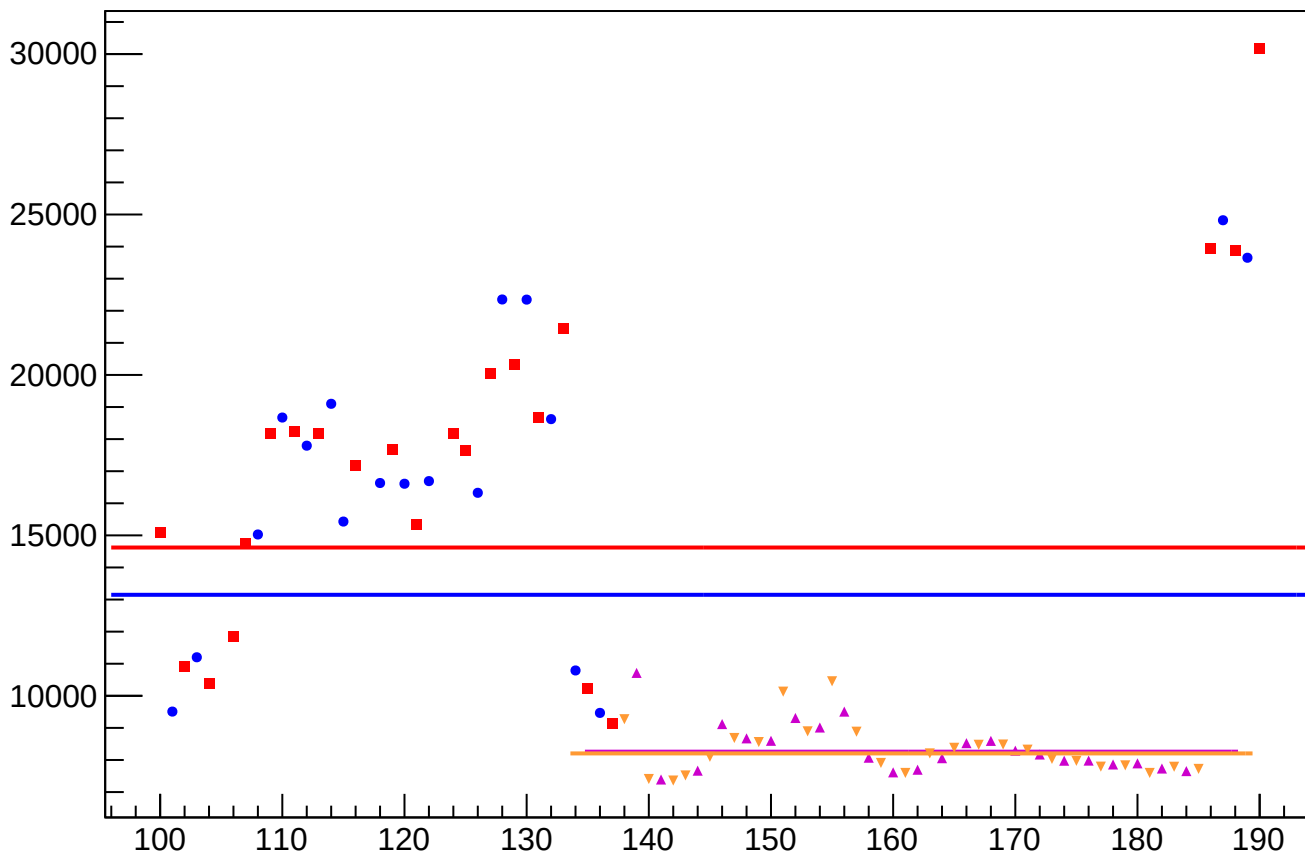
Left In: -0.583 ± 1.939 χ^2/NDF : 28.5/22

+ sign -8.843 ± 1.753 χ^2/NDF : 84.6/42

All: -5.404 ± 1.260 χ^2/NDF : 139.2/87

- sign -1.731 ± 1.812 χ^2/NDF : 46.6/44

diff_bpm1X_rms vs Slug



Right In: 13147.952 $\pm$ 3.493 χ^2 /NDF: 1547729.6/17

Left Out: 8204.502 $\pm$ 1.326 χ^2 /NDF: 272958.7/24

Right Out: 14621.562 $\pm$ 3.595 χ^2 /NDF: 1726939.4/21

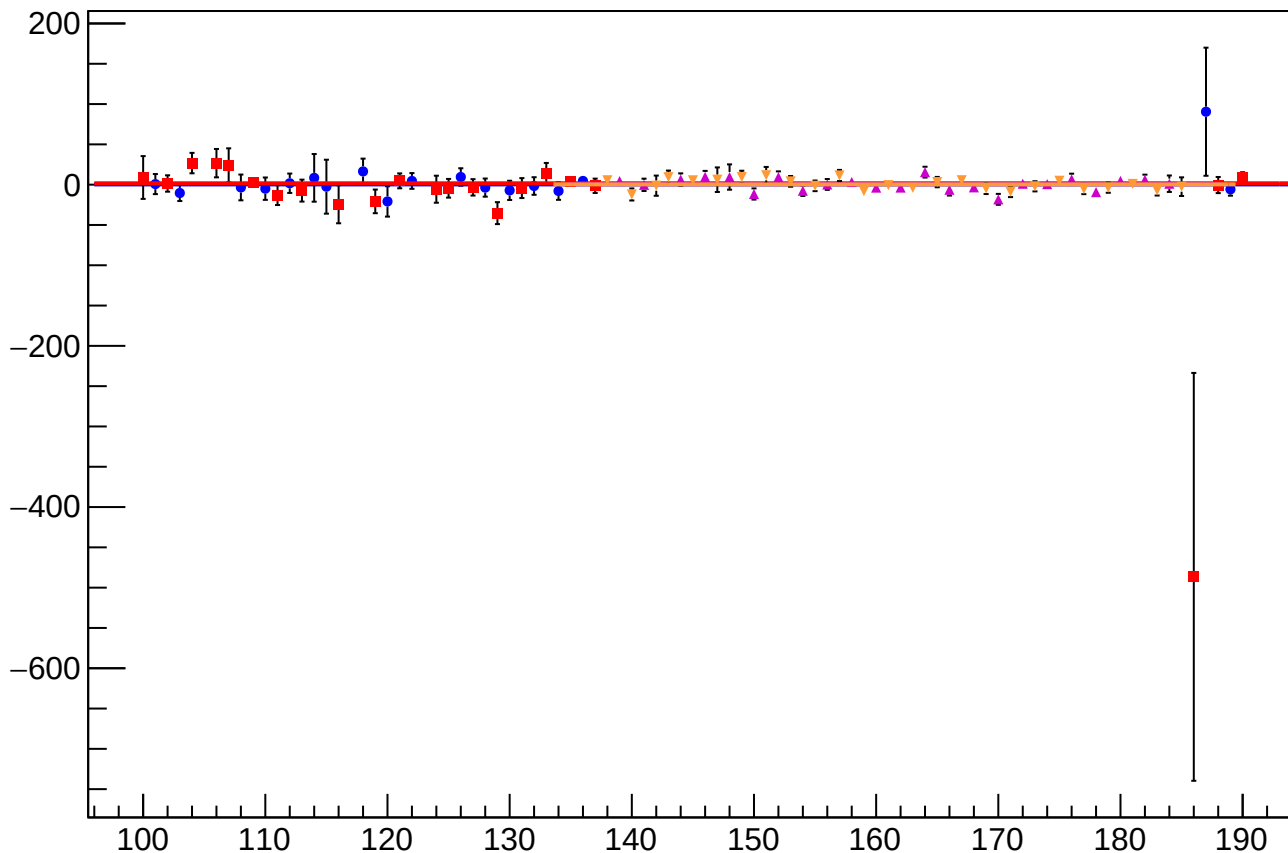
Left In: 8259.162 $\pm$ 1.371 χ^2 /NDF: 257333.8/22

+ sign 8826.933 $\pm$ 1.240 χ^2 /NDF: 3570989.6/42

All: 8942.910 $\pm$ 0.891 χ^2 /NDF: 8307195.8/87

- sign 9066.761 $\pm$ 1.281 χ^2 /NDF: 4718105.1/44

diff_bpm1Y_mean vs Slug



Right In: 0.332 ± 2.439 χ^2/NDF : 8.7/17

Left Out: 0.353 ± 1.322 χ^2/NDF : 21.5/24

Right Out: 1.702 ± 2.135 χ^2/NDF : 27.3/21

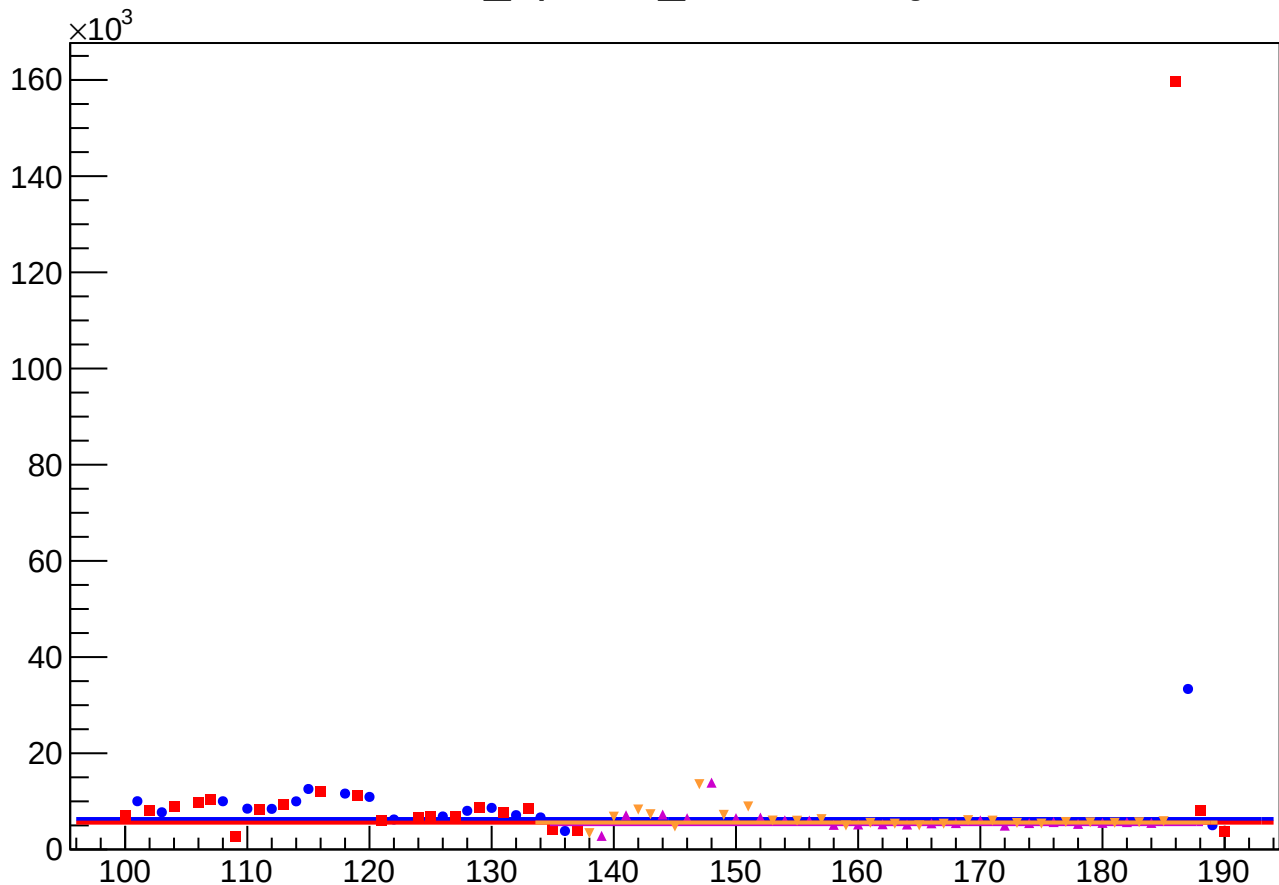
Left In: 0.709 ± 1.291 χ^2/NDF : 29.9/22

+ sign 0.348 ± 1.162 χ^2/NDF : 30.3/42

All: 0.677 ± 0.801 χ^2/NDF : 87.8/87

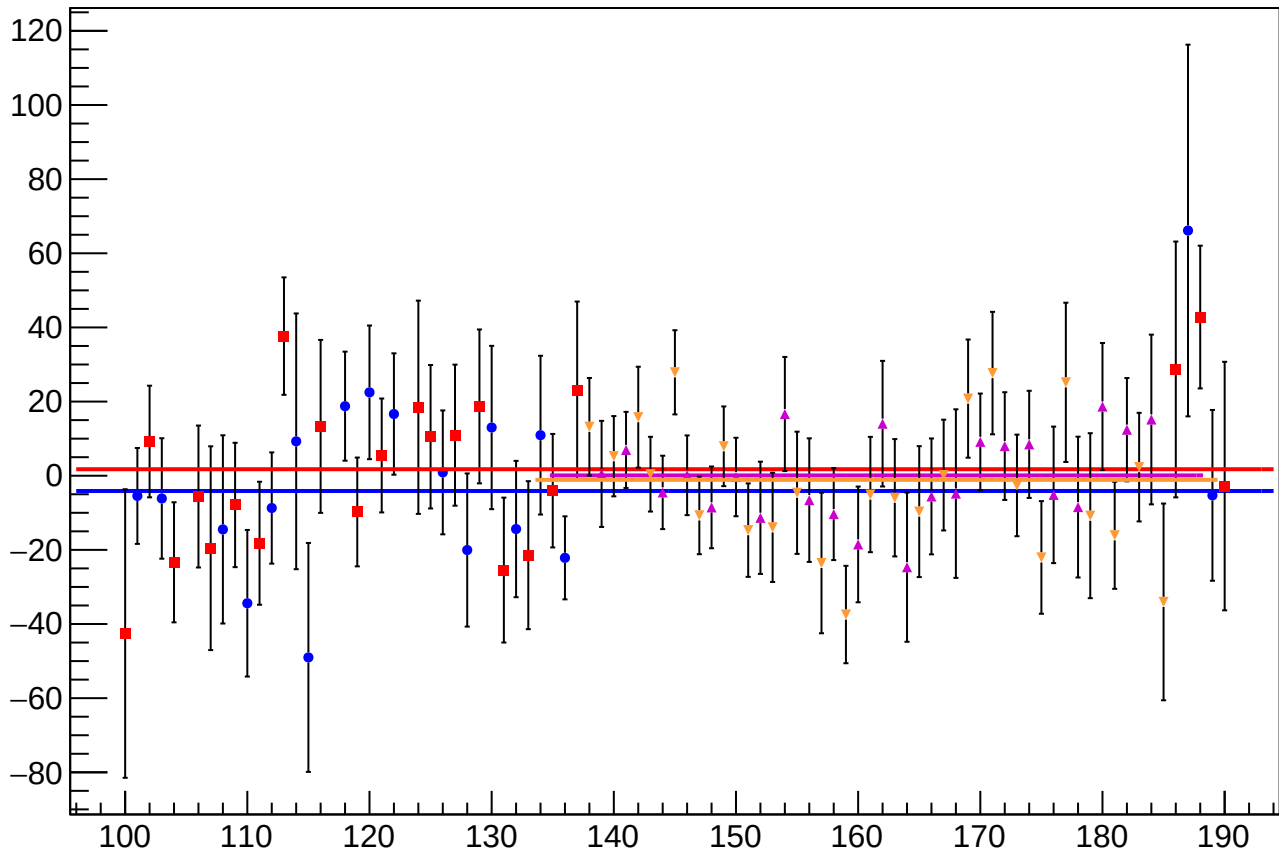
- sign 0.975 ± 1.105 χ^2/NDF : 57.4/44

diff_bpm1Y_rms vs Slug



Right In: 6326.210 ± 1.725 $\chi^2/\text{NDF}: 2039382.5/17$ + sign 5760.564 ± 0.822 $\chi^2/\text{NDF}: 3962771.2/42$
 Left Out: 5594.503 ± 0.935 $\chi^2/\text{NDF}: 1784259.1/24$ All: 5542.892 ± 0.566 $\chi^2/\text{NDF}: 10152704.6/8$
 Right Out: 5574.016 ± 1.510 $\chi^2/\text{NDF}: 3599579.1/21$ - sign 5346.101 ± 0.781 $\chi^2/\text{NDF}: 6056305.2/44$
 Left In: 5262.754 ± 0.913 $\chi^2/\text{NDF}: 2425604.2/22$

diff_bpm11X_mean vs Slug



Right In: -4.114 ± 4.263 $\chi^2/\text{NDF}: 17.8/17$

Left Out: -1.111 ± 2.813 $\chi^2/\text{NDF}: 33.8/24$

Right Out: 1.755 ± 4.104 $\chi^2/\text{NDF}: 23.4/21$

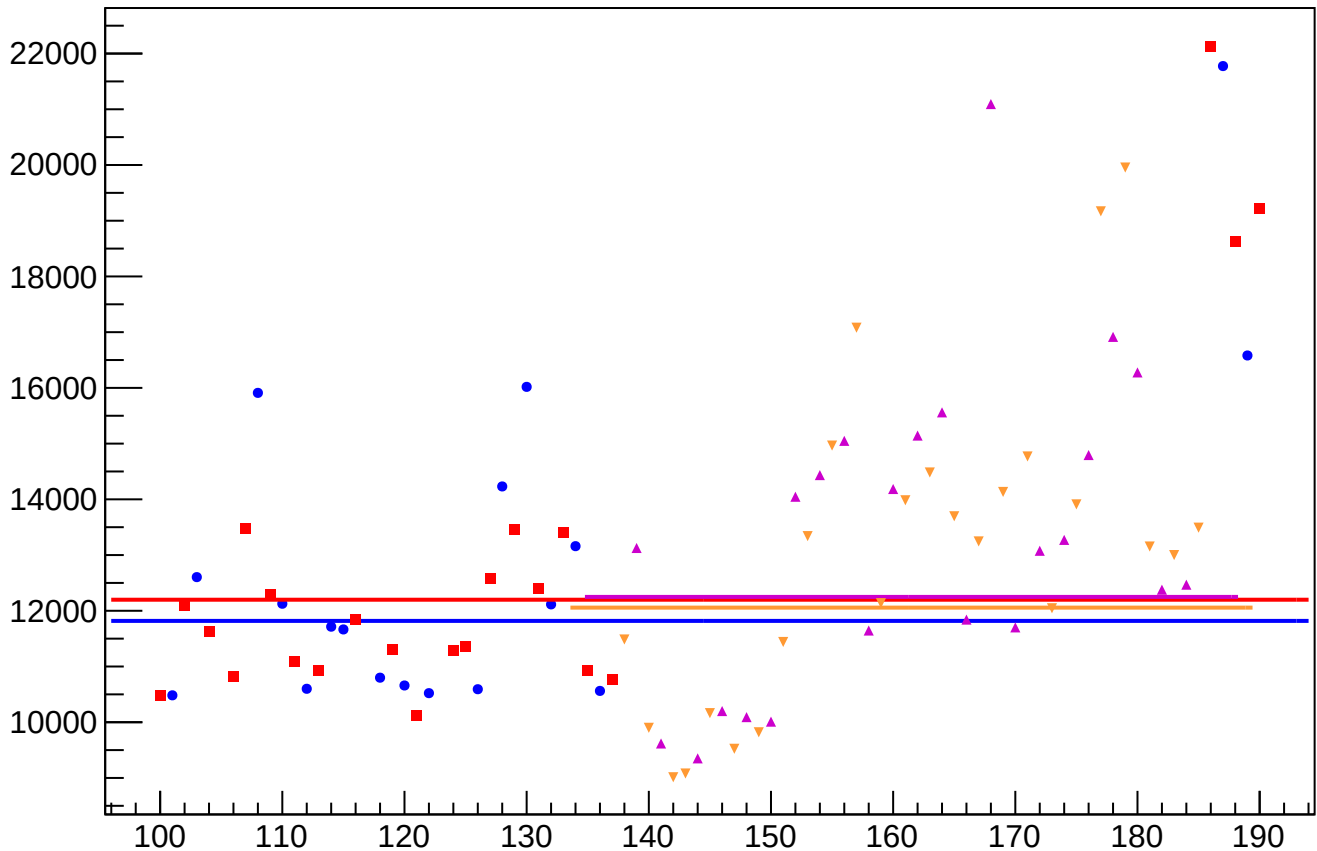
Left In: 0.084 ± 2.926 $\chi^2/\text{NDF}: 11.5/22$

+ sign -2.022 ± 2.348 $\chi^2/\text{NDF}: 51.9/42$

All: -0.707 ± 1.672 $\chi^2/\text{NDF}: 87.5/87$

- sign 0.647 ± 2.383 $\chi^2/\text{NDF}: 34.9/44$

diff_bpm11X_rms vs Slug



Right In: 11818.449 $\pm$ 3.015 χ^2 /NDF: 430839.0/17

Left Out: 12056.714 $\pm$ 1.989 χ^2 /NDF:1561738.9/24

Right Out: 12198.518 $\pm$ 2.902 χ^2 /NDF: 607378.3/21

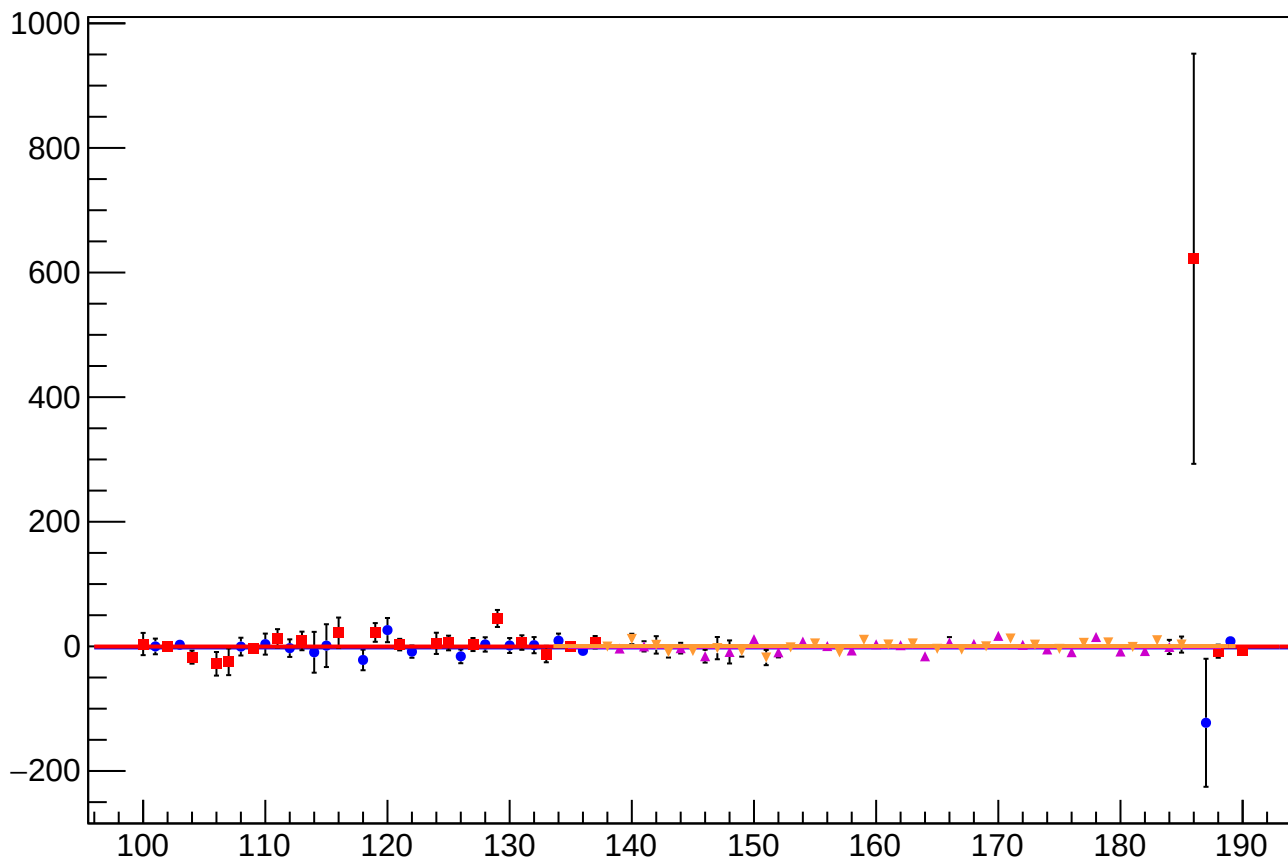
Left In: 12249.109 $\pm$ 2.069 χ^2 /NDF:1416030.4/22

+ sign 11984.446 $\pm$ 1.660 χ^2 /NDF: 1996929.8/42

All: 12106.437 $\pm$ 1.183 χ^2 /NDF: 4031498.0/8

- sign 12232.059 $\pm$ 1.685 χ^2 /NDF: 2023610.2/44

diff_bpm11Y_mean vs Slug



Right In: -1.728 ± 2.488 χ^2/NDF : 12.2/17

Left Out: 0.526 ± 1.369 χ^2/NDF : 21.4/24

Right Out: -0.262 ± 2.175 χ^2/NDF : 29.0/21

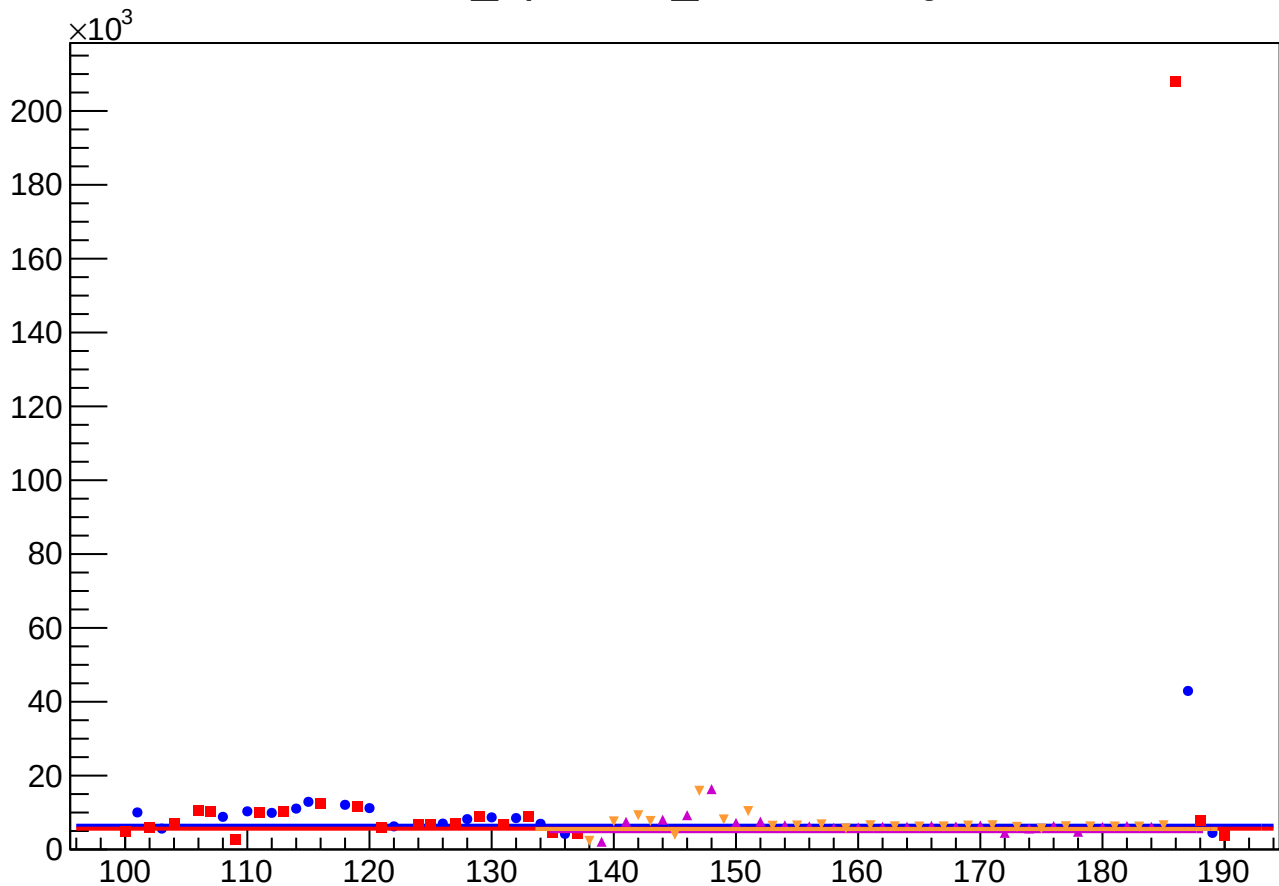
Left In: -0.946 ± 1.294 χ^2/NDF : 32.2/22

+ sign 0.002 ± 1.199 χ^2/NDF : 34.3/42

All: -0.412 ± 0.815 χ^2/NDF : 95.7/87

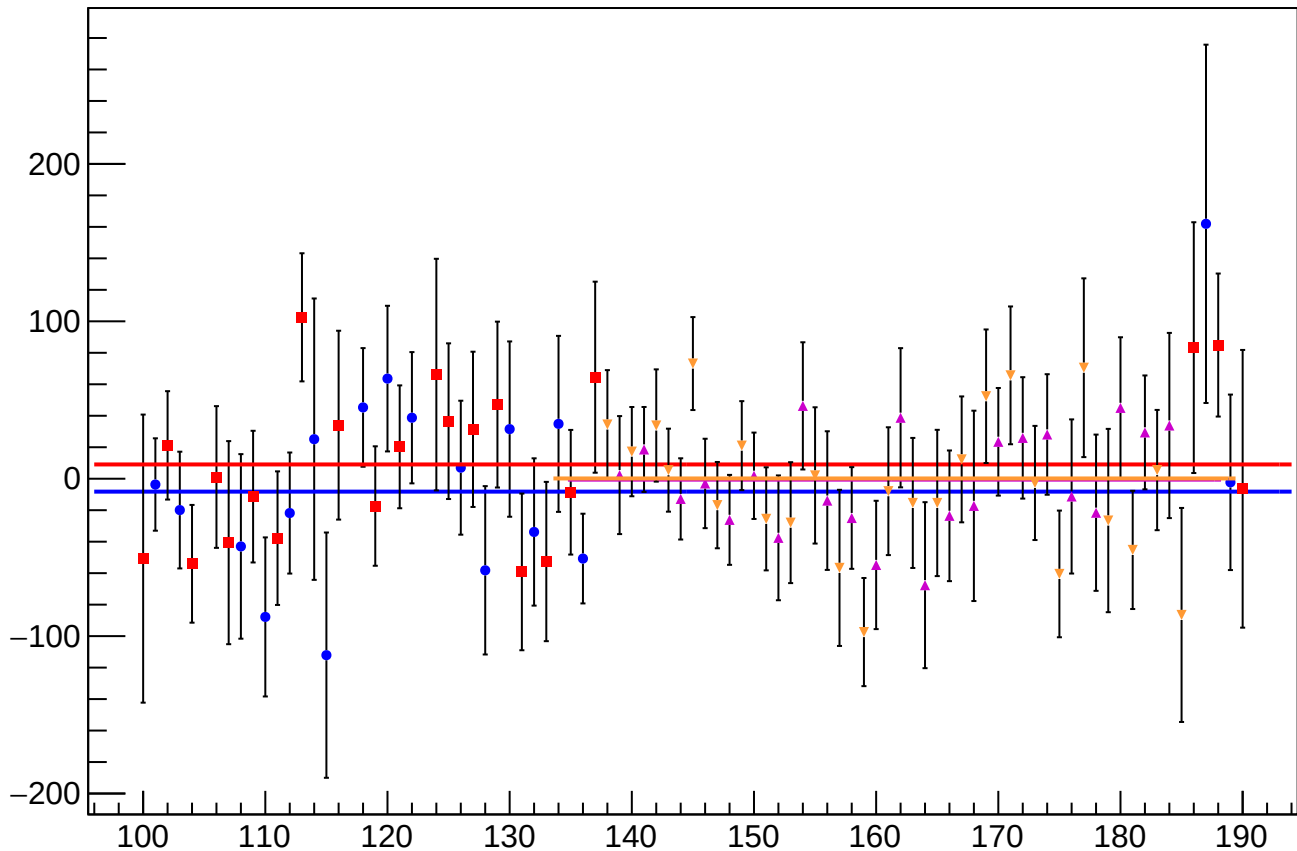
- sign -0.767 ± 1.112 χ^2/NDF : 61.2/44

diff_bpm11Y_rms vs Slug



Right In: 6433.492 ± 1.759 $\chi^2/\text{NDF}: 1990282.1/17$ + sign 5738.386 ± 0.848 $\chi^2/\text{NDF}: 6569415.1/42$
 Left Out: 5527.971 ± 0.968 $\chi^2/\text{NDF}: 4375722.1/24$ All: 5406.462 ± 0.577 $\chi^2/\text{NDF}: 16218808.3/8$
 Right Out: 5626.186 ± 1.538 $\chi^2/\text{NDF}: 3282095.4/21$ - sign 5120.921 ± 0.786 $\chi^2/\text{NDF}: 9364359.1/44$
 Left In: 4941.993 ± 0.915 $\chi^2/\text{NDF}: 5936108.3/22$

diff_bpm12X_mean vs Slug



Right In: -8.203 ± 10.591 χ^2/NDF : 17.6/17

Left Out: 0.168 ± 7.375 χ^2/NDF : 31.1/24

Right Out: 9.069 ± 10.201 χ^2/NDF : 21.2/21

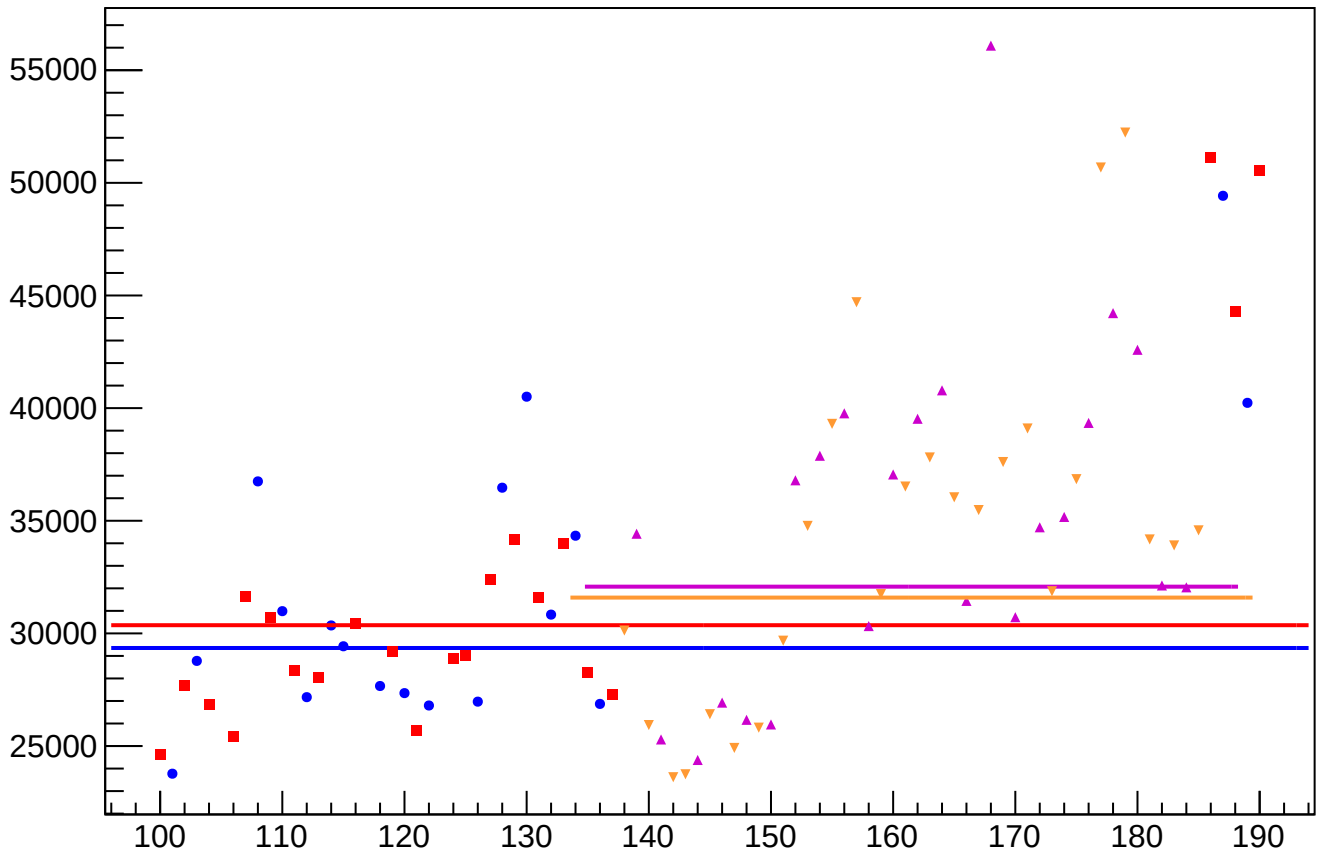
Left In: -0.586 ± 7.667 χ^2/NDF : 12.8/22

+ sign -2.566 ± 6.052 χ^2/NDF : 49.1/42

All: 0.132 ± 4.306 χ^2/NDF : 84.1/87

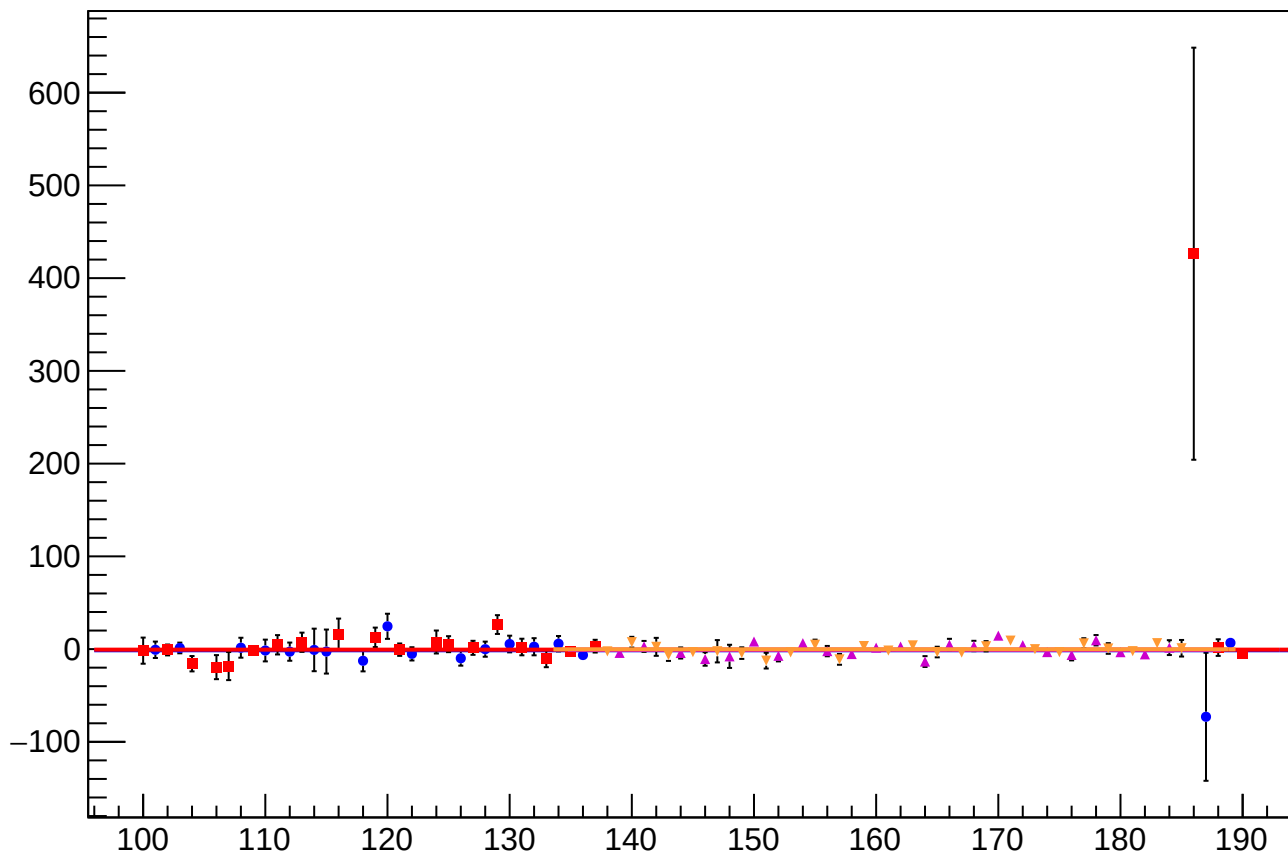
- sign 2.899 ± 6.129 χ^2/NDF : 34.6/44

diff_bpm12X_rms vs Slug



Right In: 29352.264+/-7.489	χ^2/NDF : 422060.2/17	+ sign 30859.182+/-4.279	χ^2/NDF : 2073048.6/42
Left Out: 31589.841+/-5.215	χ^2/NDF : 1590867.7/24	All: 31154.519+/-3.045	χ^2/NDF : 4144822.3/8
Right Out: 30363.946+/-7.213	χ^2/NDF : 570450.9/21	- sign 31457.396+/-4.334	χ^2/NDF : 2062126.7/44
Left In: 32075.078+/-5.421	χ^2/NDF : 1455714.6/22		

diff_bpm12Y_mean vs Slug



Right In: -1.282 ± 1.782 χ^2/NDF : 14.2/17

Left Out: -0.226 ± 1.094 χ^2/NDF : 19.9/24

Right Out: -0.584 ± 1.649 χ^2/NDF : 24.6/21

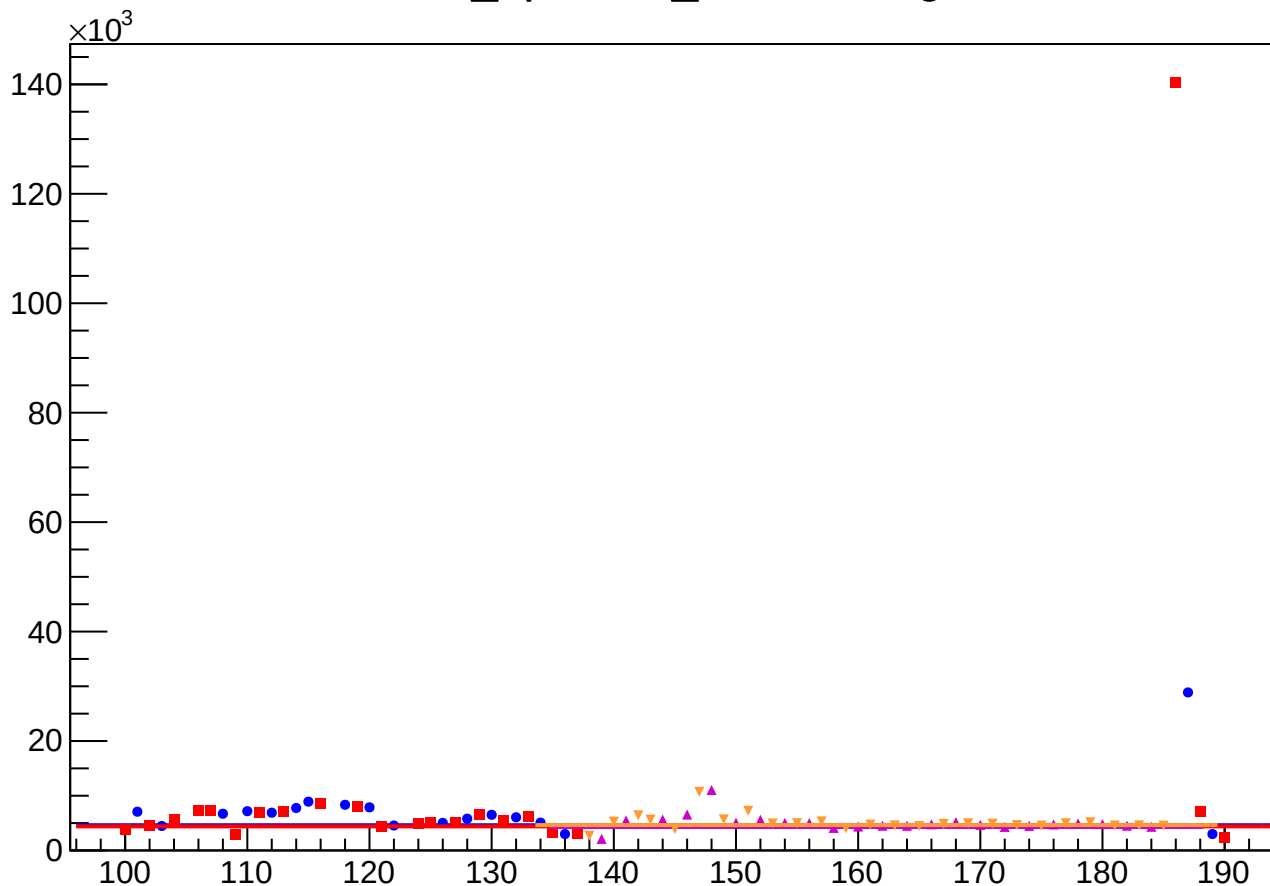
Left In: -0.788 ± 1.061 χ^2/NDF : 33.8/22

+ sign -0.515 ± 0.932 χ^2/NDF : 34.3/42

All: -0.626 ± 0.645 χ^2/NDF : 92.7/87

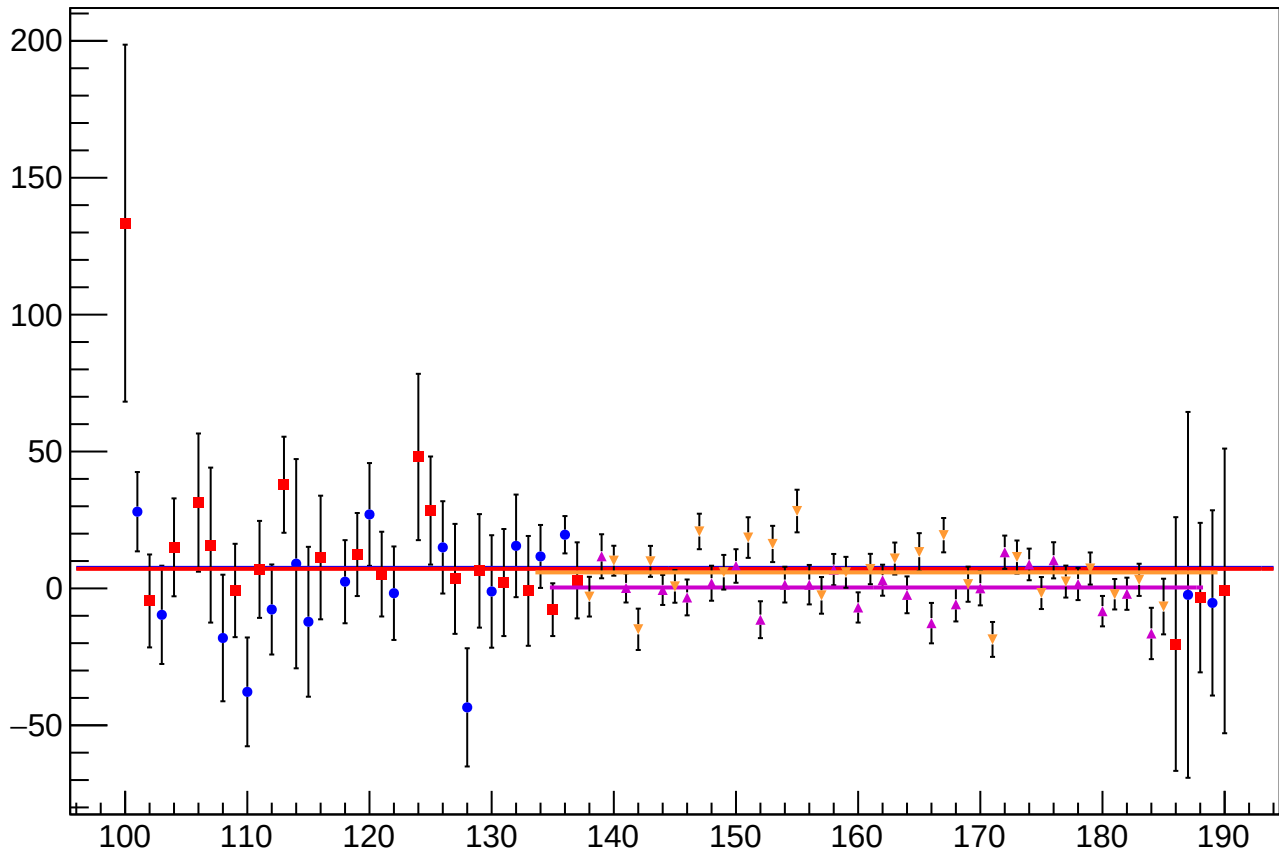
- sign -0.729 ± 0.892 χ^2/NDF : 58.4/44

diff_bpm12Y_rms vs Slug



Right In: 4607.012 ± 1.260 $\chi^2/\text{NDF}: 2042104.7/17$ + sign 4629.083 ± 0.659 $\chi^2/\text{NDF}: 3805630.3/42$
 Left Out: 4637.399 ± 0.774 $\chi^2/\text{NDF}: 1763103.2/24$ All: 4470.555 ± 0.456 $\chi^2/\text{NDF}: 9869123.8/87$
 Right Out: 4398.785 ± 1.166 $\chi^2/\text{NDF}: 2851518.8/21$ - sign 4325.427 ± 0.631 $\chi^2/\text{NDF}: 5952725.6/44$
 Left In: 4295.074 ± 0.750 $\chi^2/\text{NDF}: 3095610.0/22$

diff_bpm16X_mean vs Slug



Right In: 7.503 ± 3.790 χ^2/NDF : 21.8/17

Left Out: 5.849 ± 1.257 χ^2/NDF : 60.0/24

Right Out: 7.148 ± 4.026 χ^2/NDF : 15.1/21

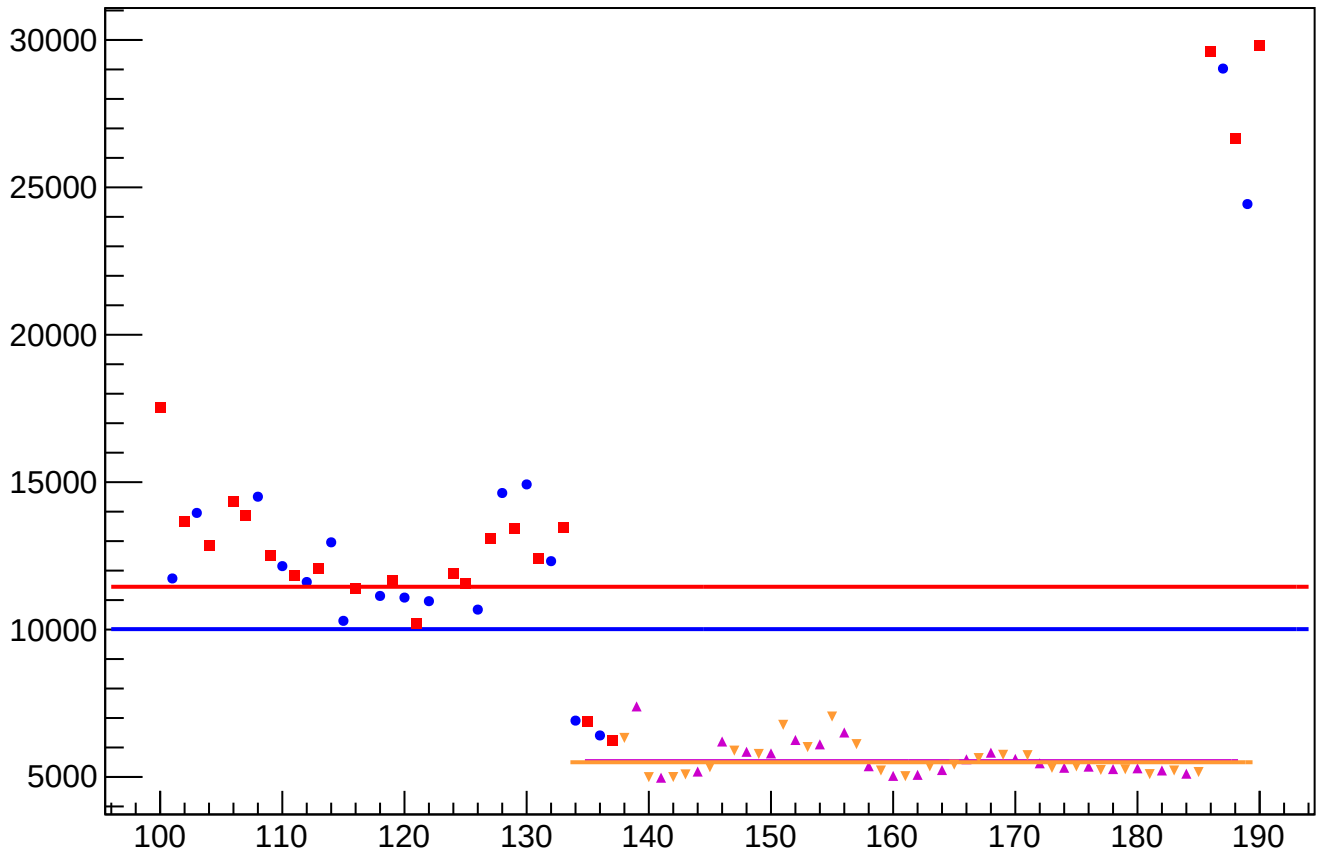
Left In: 0.337 ± 1.301 χ^2/NDF : 29.4/22

+ sign 6.013 ± 1.193 χ^2/NDF : 82.0/42

All: 3.589 ± 0.859 χ^2/NDF : 137.6/87

- sign 0.981 ± 1.238 χ^2/NDF : 47.1/44

diff_bpm16X_rms vs Slug



Right In: 10014.665 $\pm$ 2.680 χ^2 /NDF: 1747133.9/17

Left Out: 5499.215 $\pm$ 0.889 χ^2 /NDF:297719.4/24

Right Out: 11451.653 $\pm$ 2.847 χ^2 /NDF: 2092789.8/21

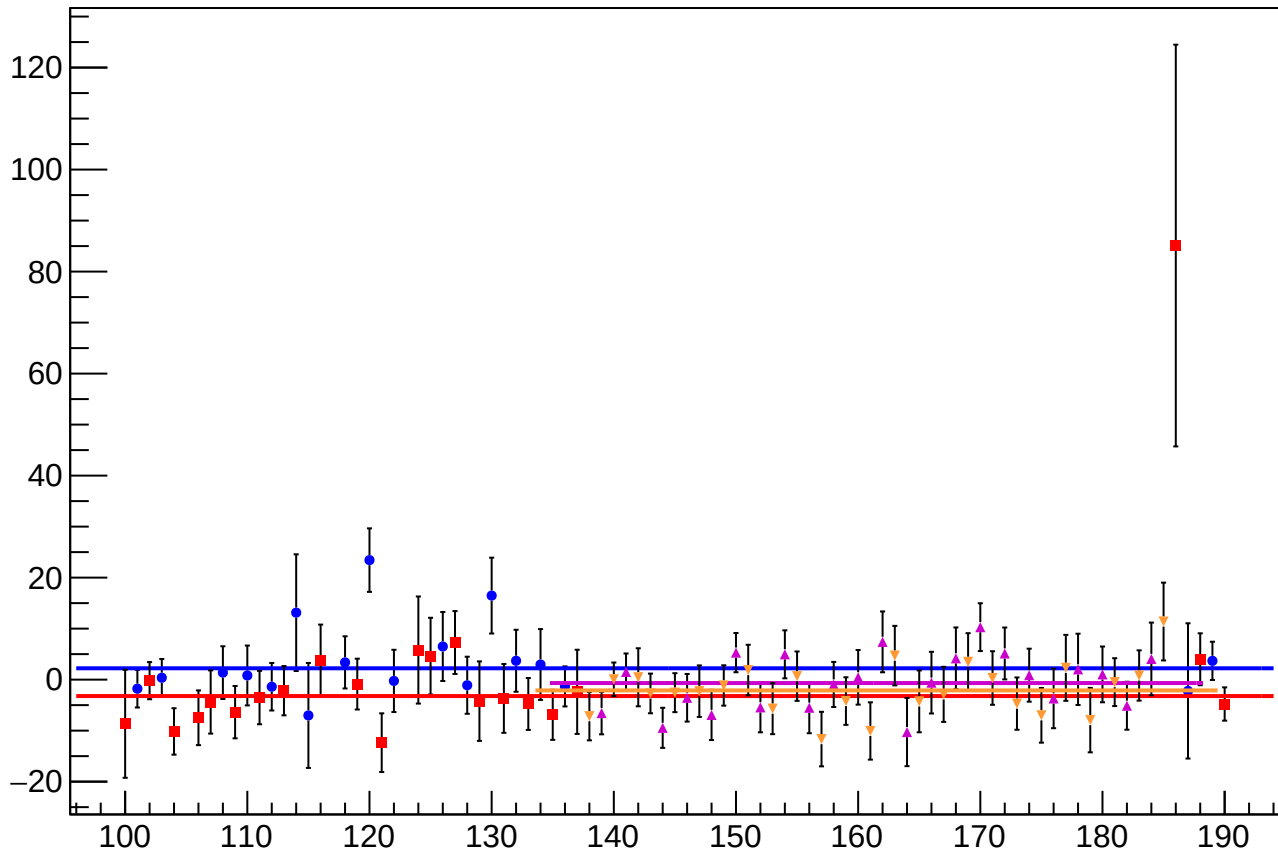
Left In: 5537.777 $\pm$ 0.920 χ^2 /NDF:304062.1/22

+ sign 5947.046 $\pm$ 0.844 χ^2 /NDF: 4602823.9/42

All: 6019.152 $\pm$ 0.607 χ^2 /NDF: 10921966.4/8

- sign 6096.718 $\pm$ 0.875 χ^2 /NDF: 6303987.7/44

diff_bpm16Y_mean vs Slug



Right In: 2.224 ± 1.260 χ^2/NDF : 21.2/17

Left Out: -2.116 ± 0.987 χ^2/NDF : 17.5/24

Right Out: -3.224 ± 1.178 χ^2/NDF : 20.8/21

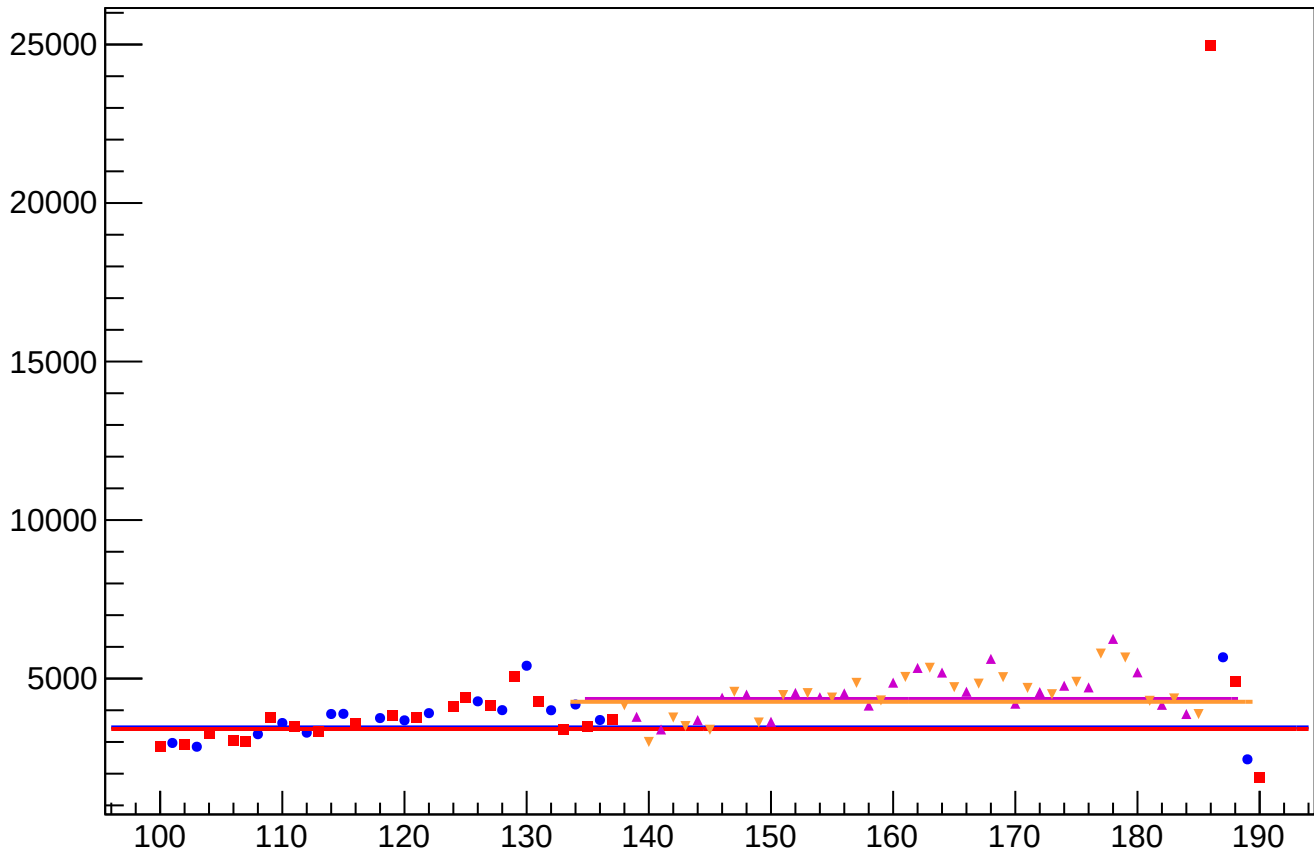
Left In: -0.670 ± 1.031 χ^2/NDF : 28.4/22

+ sign -0.466 ± 0.777 χ^2/NDF : 46.1/42

All: -1.123 ± 0.549 χ^2/NDF : 99.3/87

- sign -1.778 ± 0.776 χ^2/NDF : 51.8/44

diff_bpm16Y_rms vs Slug



Right In: 3459.156 $\pm$ 0.891 χ^2 /NDF: 553823.9/17

Left Out: 4267.631 $\pm$ 0.698 χ^2 /NDF: 1034722.2/24

Right Out: 3409.438 $\pm$ 0.833 χ^2 /NDF: 1515581.0/21

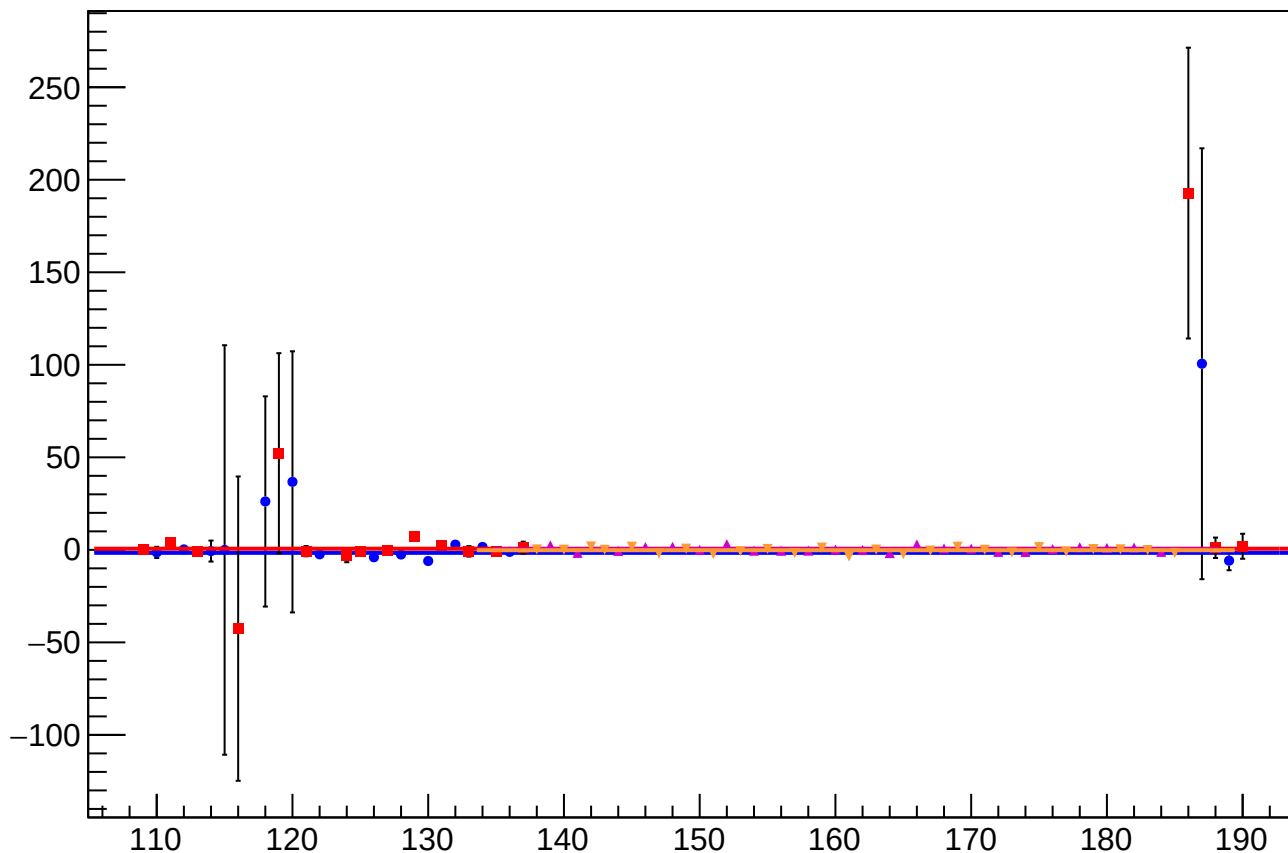
Left In: 4355.855 $\pm$ 0.729 χ^2 /NDF: 743046.1/22

+ sign 3960.225 $\pm$ 0.550 χ^2 /NDF: 2098492.1/42

All: 3952.717 $\pm$ 0.388 χ^2 /NDF: 5088867.1/87

- sign 3945.240 $\pm$ 0.548 χ^2 /NDF: 2990002.6/44

diff_bpm1p02bX_mean vs Slug



Right In: -1.616 ± 0.725 χ^2/NDF : 12.5/14

Left Out: -0.201 ± 0.236 χ^2/NDF : 33.9/24

Right Out: 0.627 ± 0.707 χ^2/NDF : 18.7/16

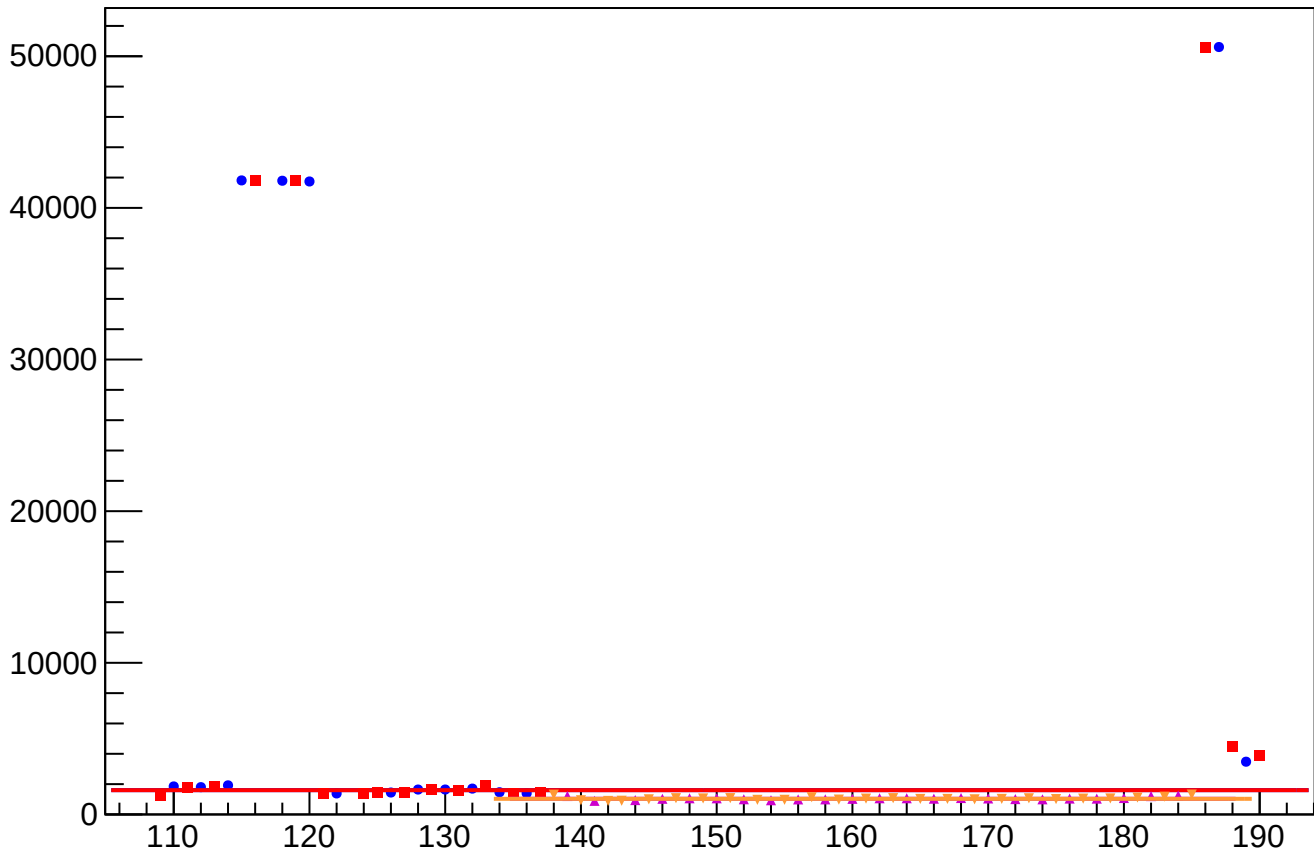
Left In: 0.333 ± 0.242 χ^2/NDF : 29.4/22

+ sign -0.336 ± 0.224 χ^2/NDF : 49.9/39

All: 0.006 ± 0.160 χ^2/NDF : 103.0/79

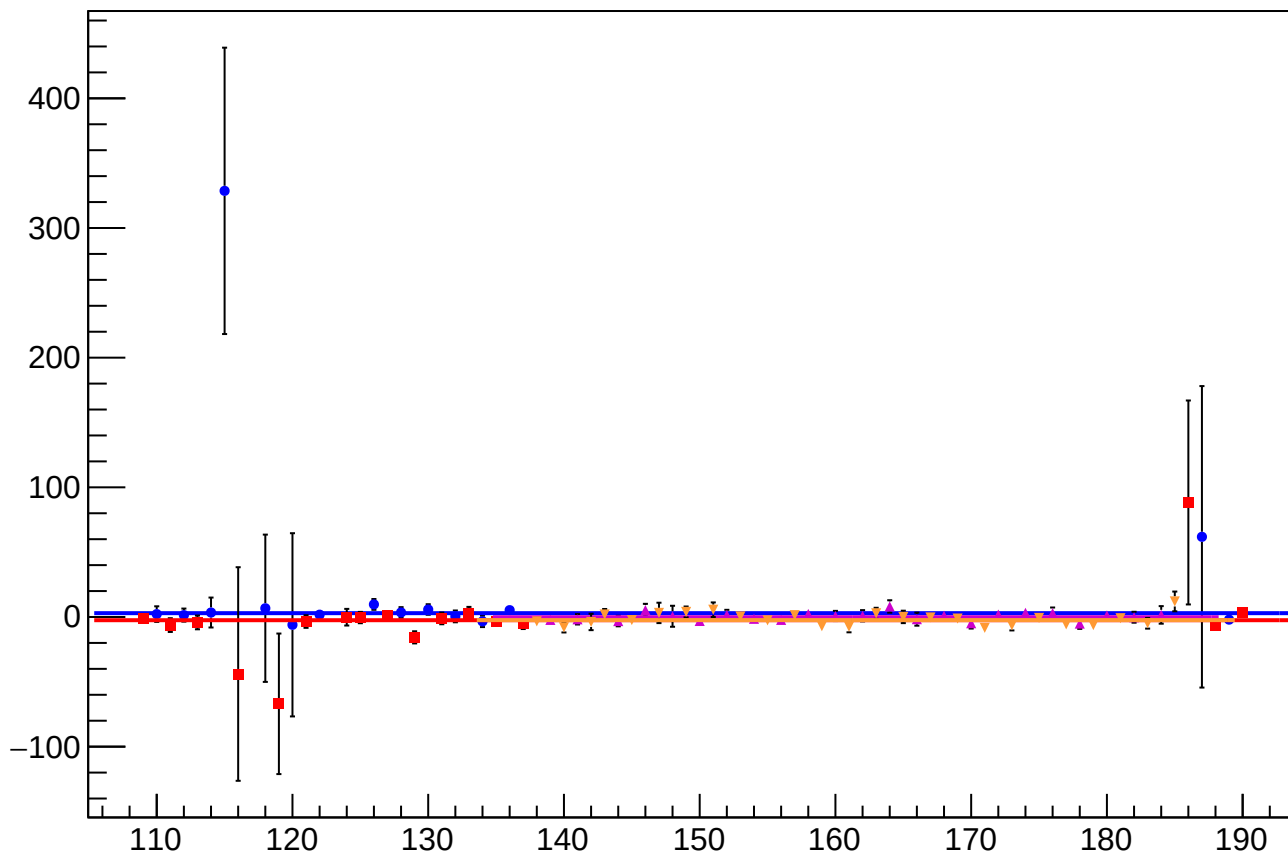
- sign 0.364 ± 0.229 χ^2/NDF : 48.3/39

diff_bpm1p02bX_rms vs Slug



Right In: 1603.697 ± 0.513 $\chi^2/\text{NDF}: 2638671.3/14$ + sign 1086.021 ± 0.158 $\chi^2/\text{NDF}: 4008379.9/39$
Left Out: 1031.473 ± 0.167 $\chi^2/\text{NDF}: 244095.3/24$ All: 1089.143 ± 0.113 $\chi^2/\text{NDF}: 8654134.8/79$
Right Out: 1601.494 ± 0.500 $\chi^2/\text{NDF}: 3299842.3/16$ - sign 1092.409 ± 0.162 $\chi^2/\text{NDF}: 4644959.9/39$
Left In: 1032.715 ± 0.171 $\chi^2/\text{NDF}: 187148.3/22$

diff_bpm1p02bY_mean vs Slug



Right In: 2.952 ± 1.156 χ^2/NDF : 18.5/14

Left Out: -2.380 ± 0.782 χ^2/NDF : 24.3/24

Right Out: -2.479 ± 1.097 χ^2/NDF : 19.0/16

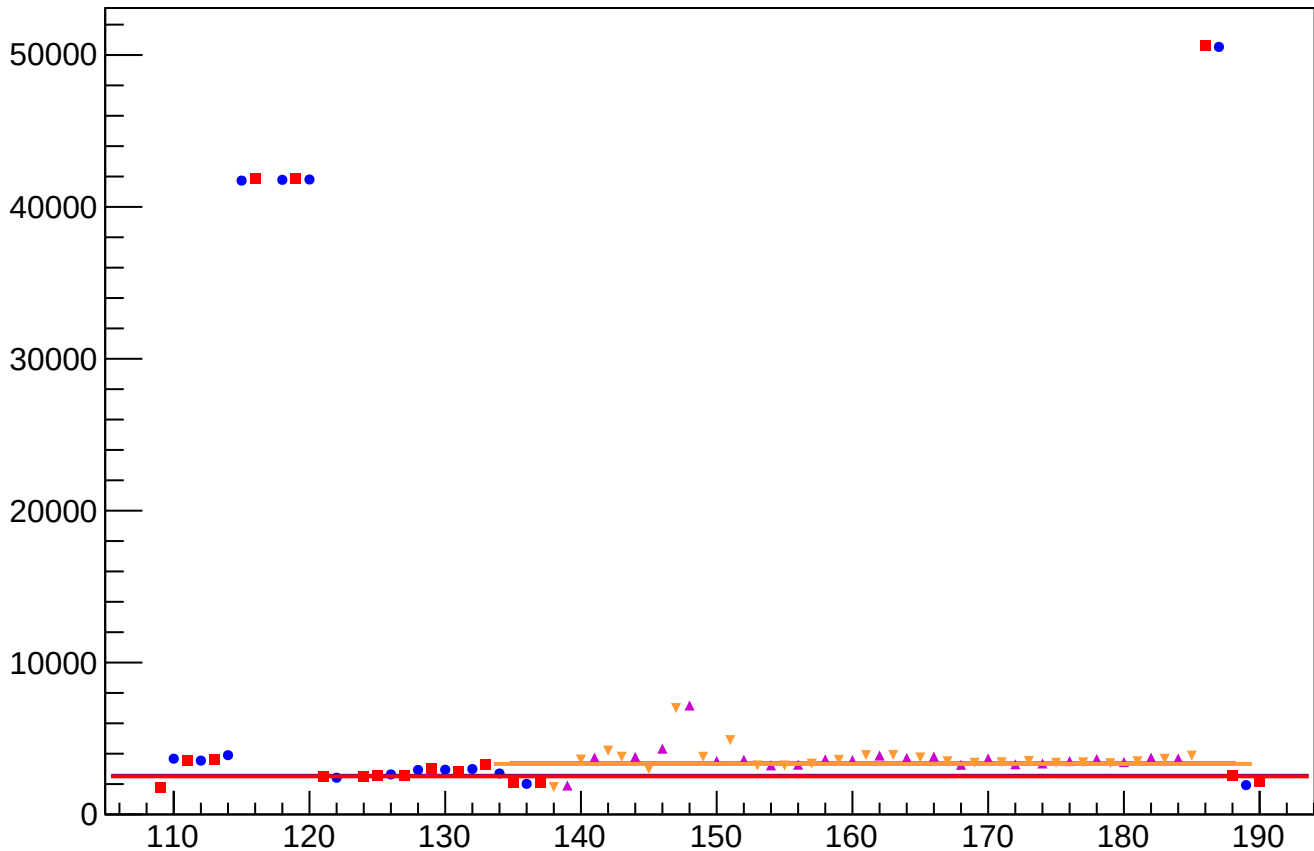
Left In: -0.171 ± 0.810 χ^2/NDF : 12.6/22

+ sign -0.706 ± 0.648 χ^2/NDF : 57.4/39

All: -0.845 ± 0.459 χ^2/NDF : 92.0/79

- sign -0.985 ± 0.651 χ^2/NDF : 34.5/39

diff_bpm1p02bY_rms vs Slug



Right In: 2543.682 $\pm$ 0.817 χ^2 /NDF: 2606014.7/14

Left Out: 3328.251 $\pm$ 0.553 χ^2 /NDF: 1915576.2/24

Right Out: 2510.253 $\pm$ 0.776 χ^2 /NDF: 2717997.9/16

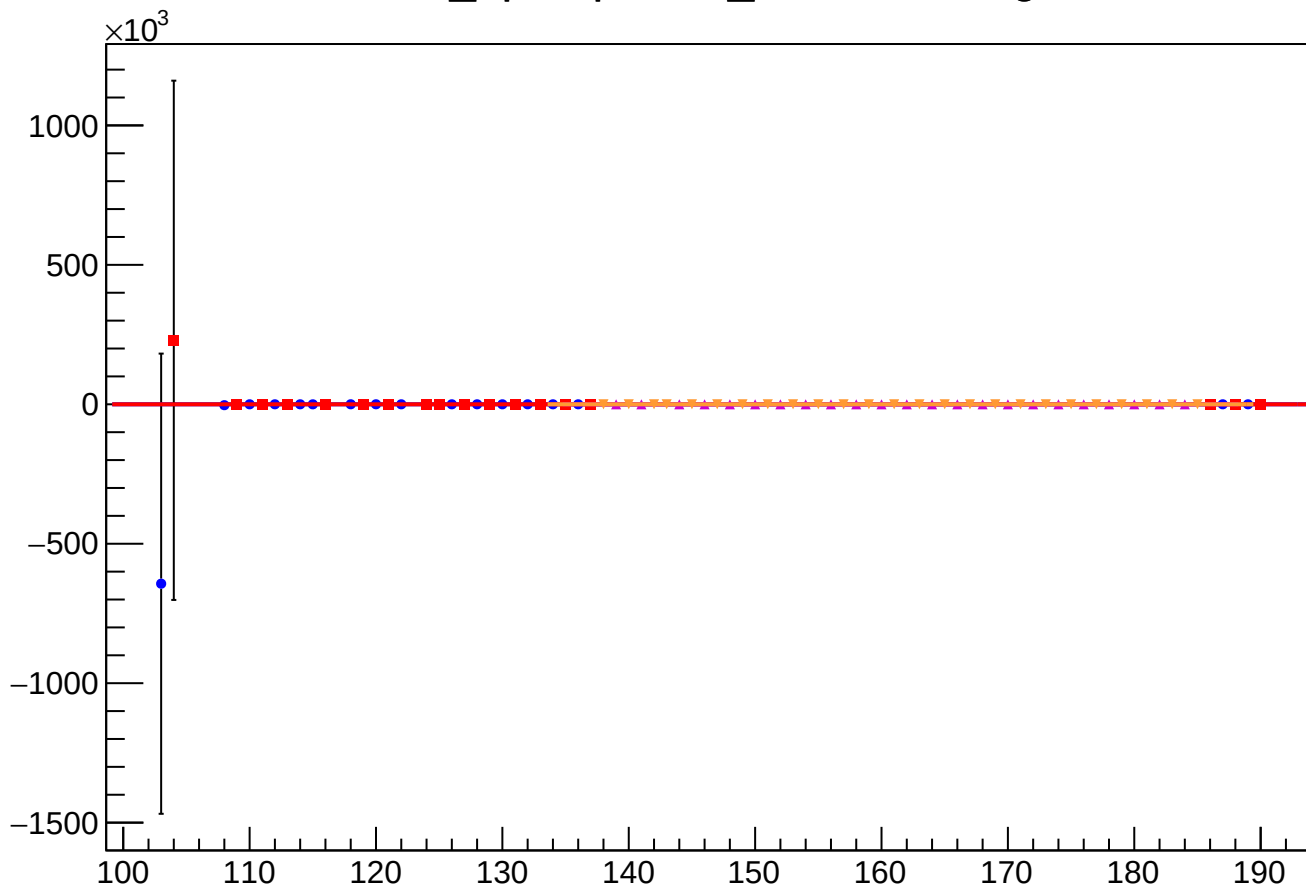
Left In: 3360.799 $\pm$ 0.572 χ^2 /NDF: 1649390.5/22

+ sign 3081.845 $\pm$ 0.458 χ^2 /NDF: 5153707.2/39

All: 3071.401 $\pm$ 0.325 χ^2 /NDF: 10300602.8/7

- sign 3060.840 $\pm$ 0.461 χ^2 /NDF: 5145850.0/39

diff_bpm1p03aX_mean vs Slug



Right In: -1.304 ± 1.054 χ^2/NDF : 18.9/16

Left Out: -1.573 ± 0.363 χ^2/NDF : 50.3/24

Right Out: -2.655 ± 1.097 χ^2/NDF : 20.6/17

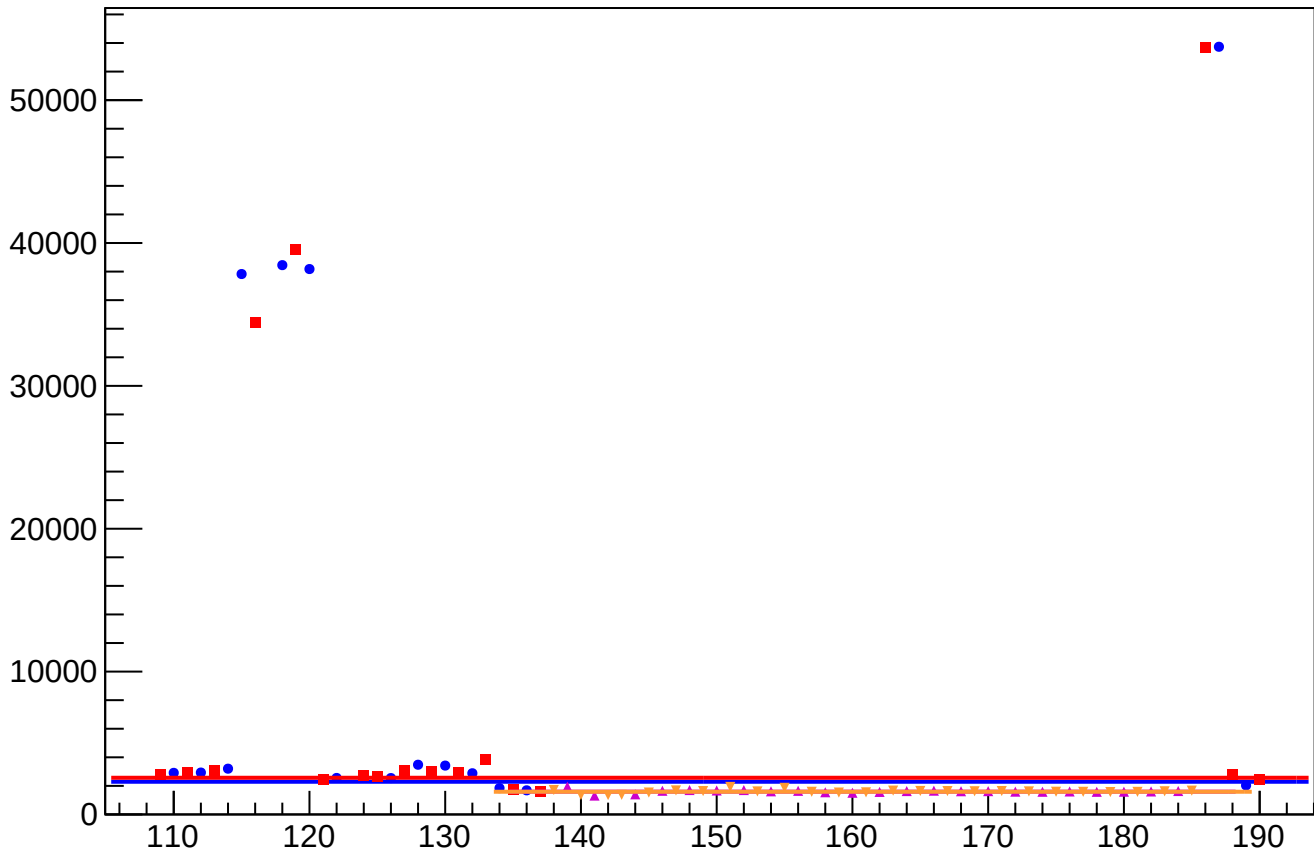
Left In: 0.018 ± 0.374 χ^2/NDF : 27.3/22

+ sign -1.544 ± 0.343 χ^2/NDF : 69.2/41

All: -0.923 ± 0.247 χ^2/NDF : 129.2/82

- sign -0.261 ± 0.354 χ^2/NDF : 53.2/40

diff_bpm1p03aX_rms vs Slug



Right In: 2289.135+/-0.745 χ^2/NDF : 2823693.1/14

Left Out: 1589.488+/-0.257 χ^2/NDF : 232518.0/24

Right Out: 2568.863+/-0.776 χ^2/NDF : 2799206.8/16

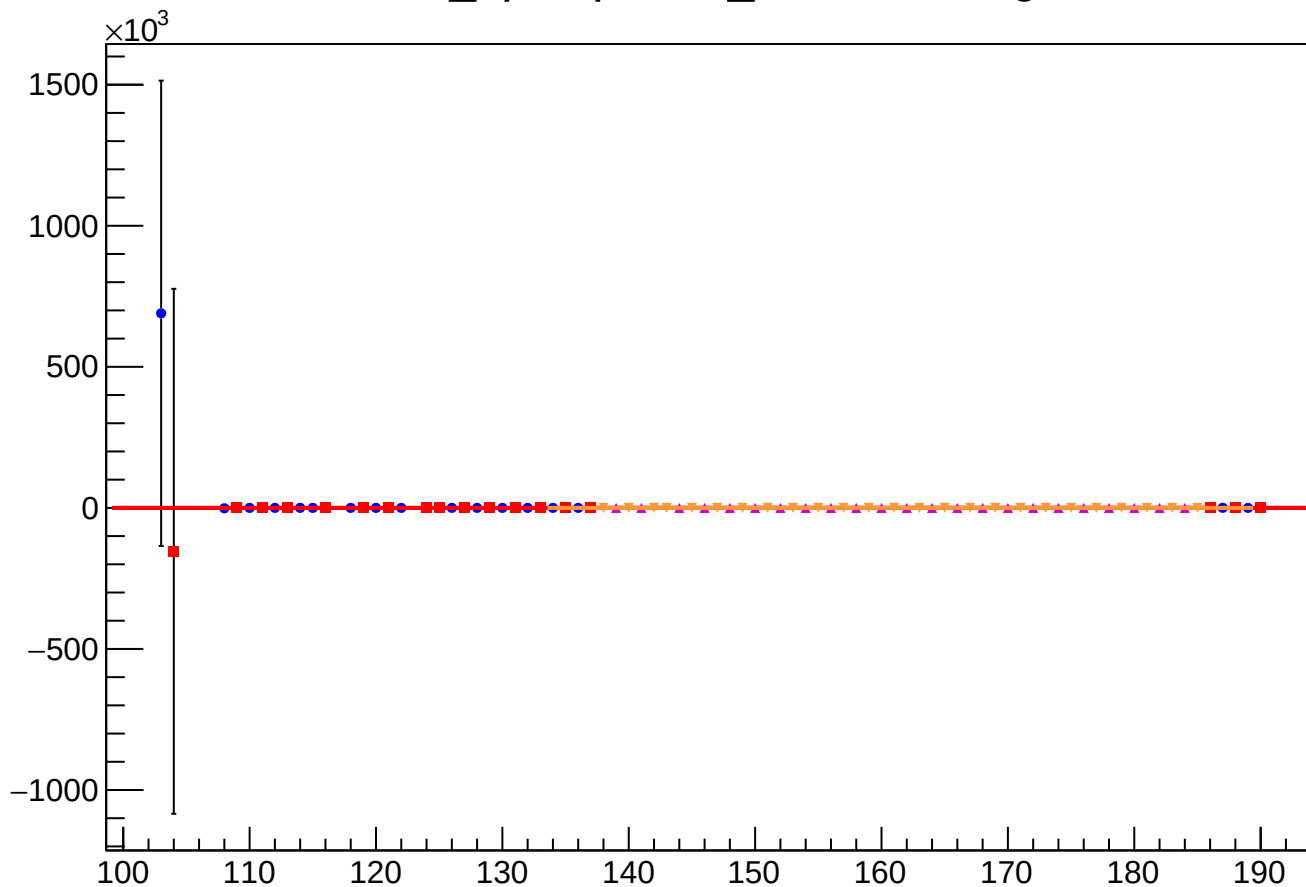
Left In: 1596.179+/-0.265 χ^2/NDF : 196833.1/22

+ sign 1663.624+/-0.243 χ^2/NDF : 3843896.4/39

All: 1680.091+/-0.174 χ^2/NDF : 8257396.9/79

- sign 1697.655+/-0.251 χ^2/NDF : 4403981.3/39

diff_bpm1p03aY_mean vs Slug



Right In: 1.254 ± 0.989 χ^2/NDF : 10.3/16

Left Out: -1.179 ± 0.502 χ^2/NDF : 24.4/24

Right Out: -1.383 ± 0.924 χ^2/NDF : 21.1/17

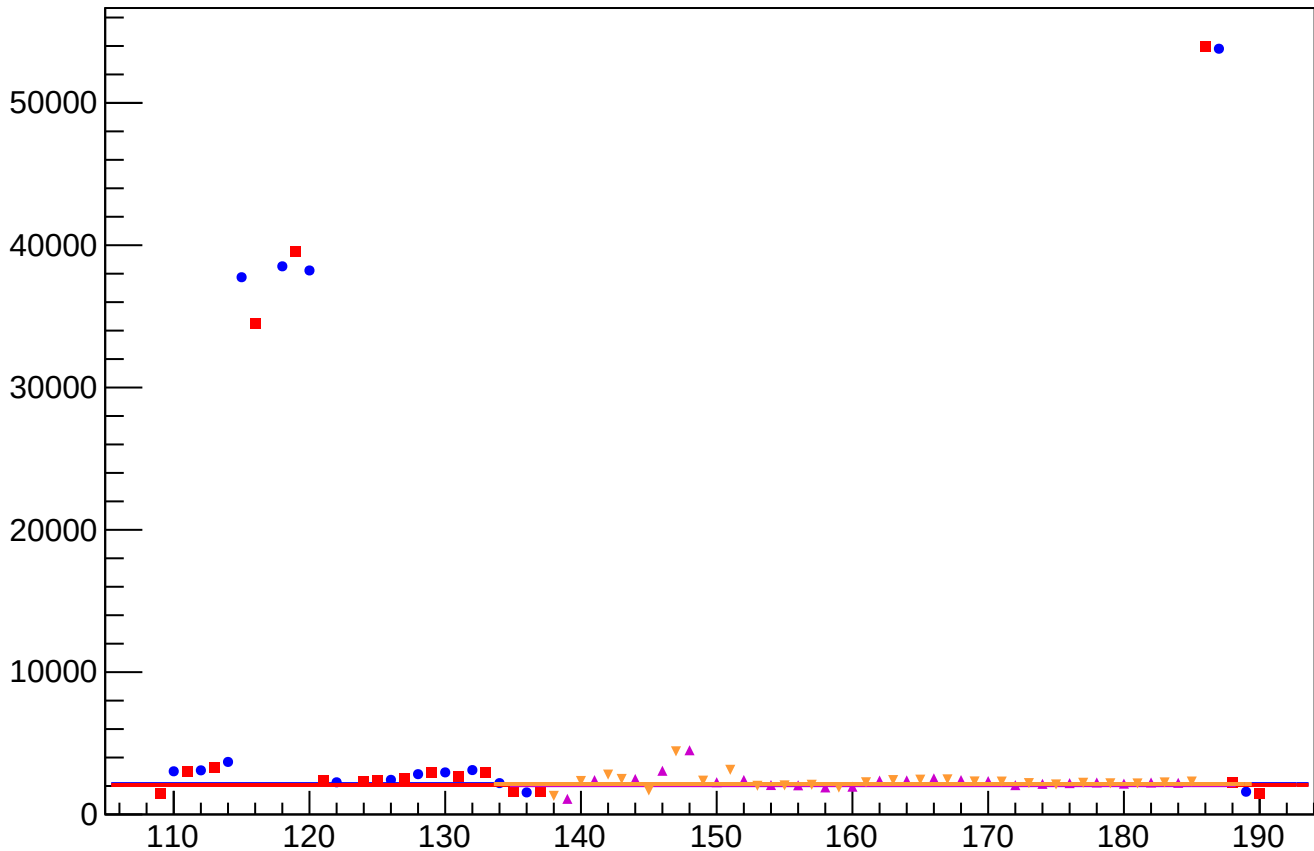
Left In: 0.125 ± 0.501 χ^2/NDF : 16.9/22

+ sign -0.680 ± 0.448 χ^2/NDF : 39.5/41

All: -0.445 ± 0.314 χ^2/NDF : 80.1/82

- sign -0.218 ± 0.441 χ^2/NDF : 40.1/40

diff_bpm1p03aY_rms vs Slug



Right In: 2132.629+/-0.700 χ^2/NDF : 2976916.4/14

Left Out: 2139.248+/-0.355 χ^2/NDF : 1480000.5/24

Right Out: 2071.390+/-0.653 χ^2/NDF : 3137805.3/16

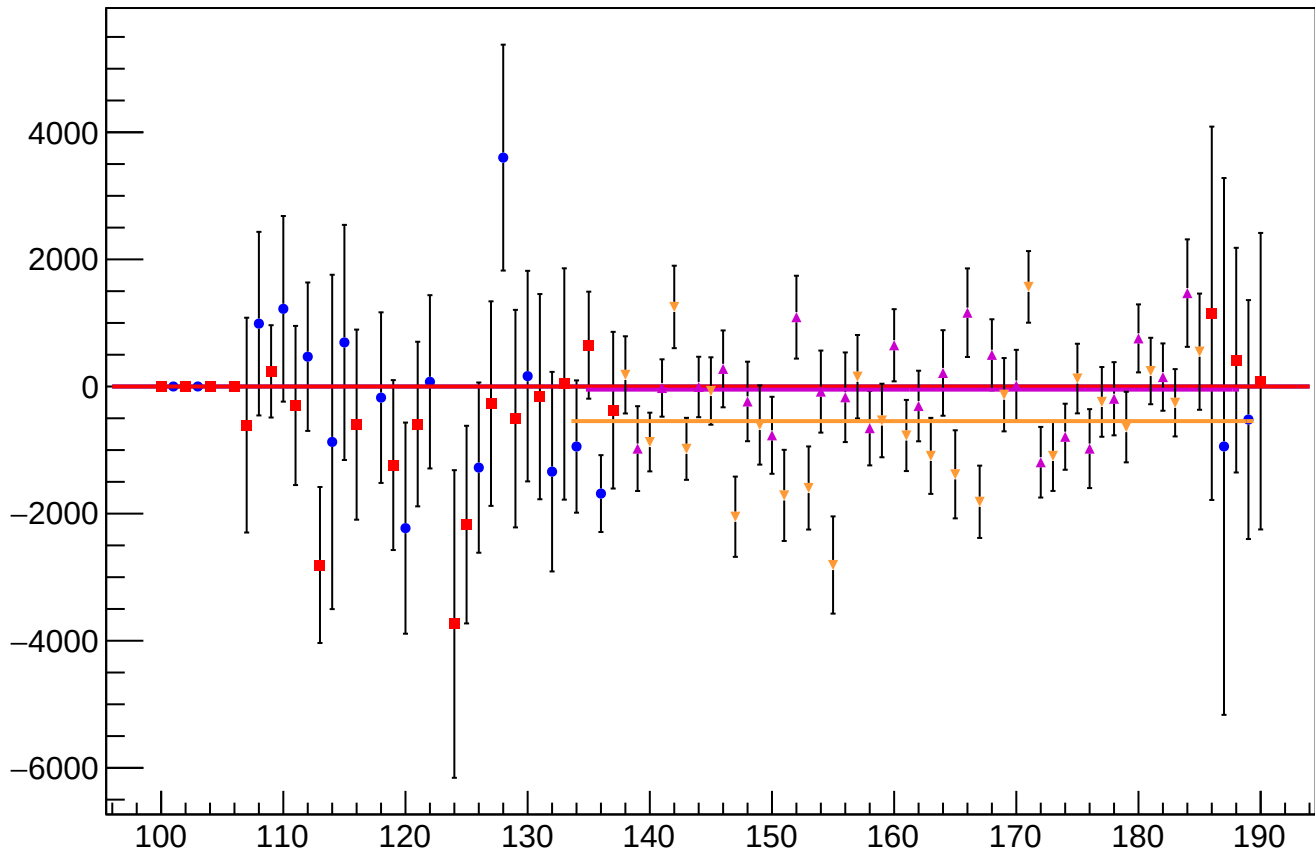
Left In: 2058.216+/-0.354 χ^2/NDF : 2293601.6/22

+ sign 2137.891+/-0.317 χ^2/NDF : 4456988.0/39

All: 2098.909+/-0.222 χ^2/NDF : 9918494.4/79

- sign 2061.214+/-0.312 χ^2/NDF : 5431721.3/39

diff_cav4bX_mean vs Slug



Right In: 0.255 ± 0.356 χ^2/NDF : 17.9/17

Left Out: -544.414 ± 117.154 χ^2/NDF : 60.9/24

Right Out: 0.096 ± 0.328 χ^2/NDF : 15.6/21

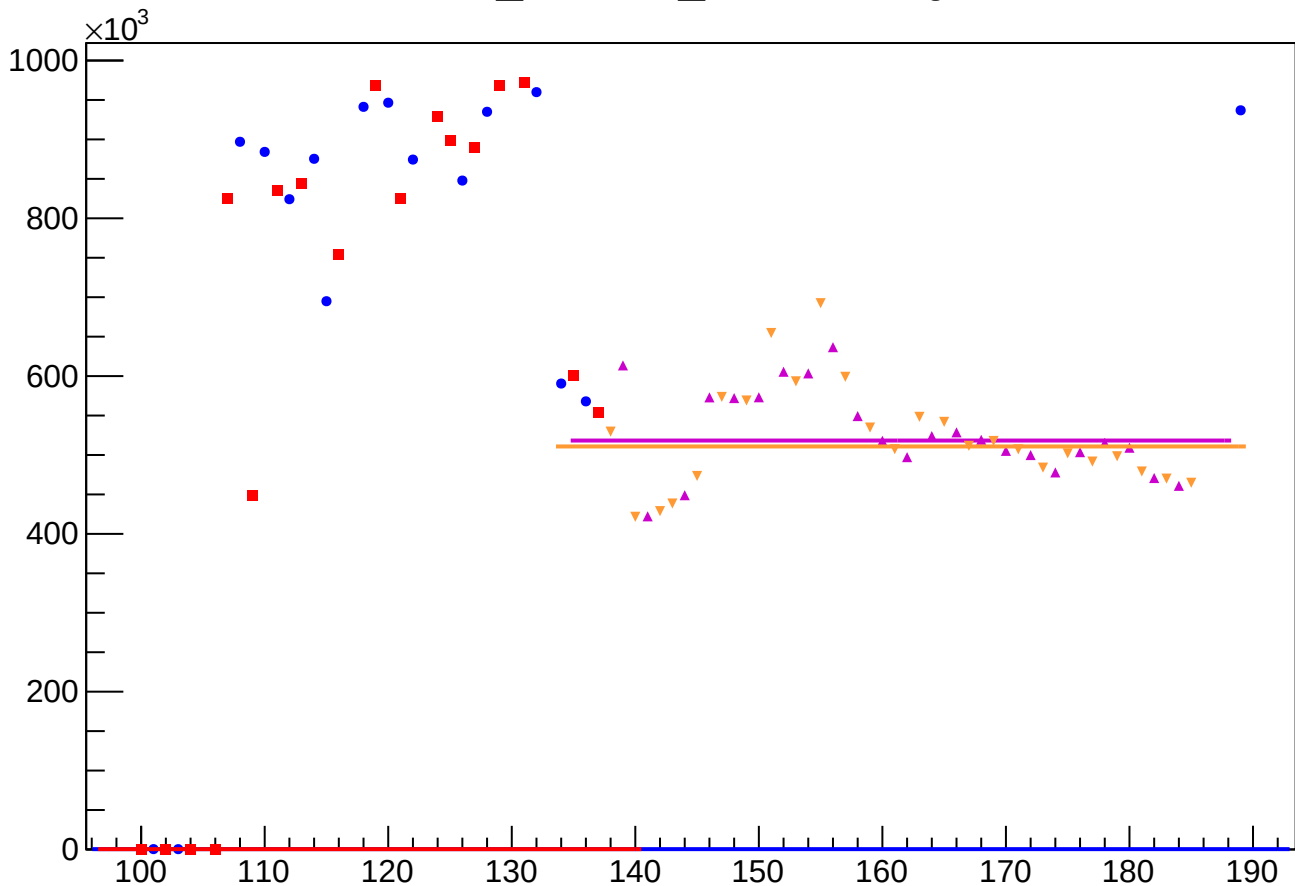
Left In: -49.119 ± 121.932 χ^2/NDF : 28.0/22

+ sign 0.250 ± 0.356 χ^2/NDF : 100.3/42

All: 0.167 ± 0.241 χ^2/NDF : 144.2/87

- sign 0.096 ± 0.328 χ^2/NDF : 43.7/44

diff_cav4bX_rms vs Slug



Right In: 398.894 $\pm$ 0.251 χ^2 /NDF: 8685185.3/15

Left Out: 510811.545 $\pm$ 82.841 χ^2 /NDF: 509606.7/24

+ sign 403.598 $\pm$ 0.251 χ^2 /NDF: 47157011.5/40

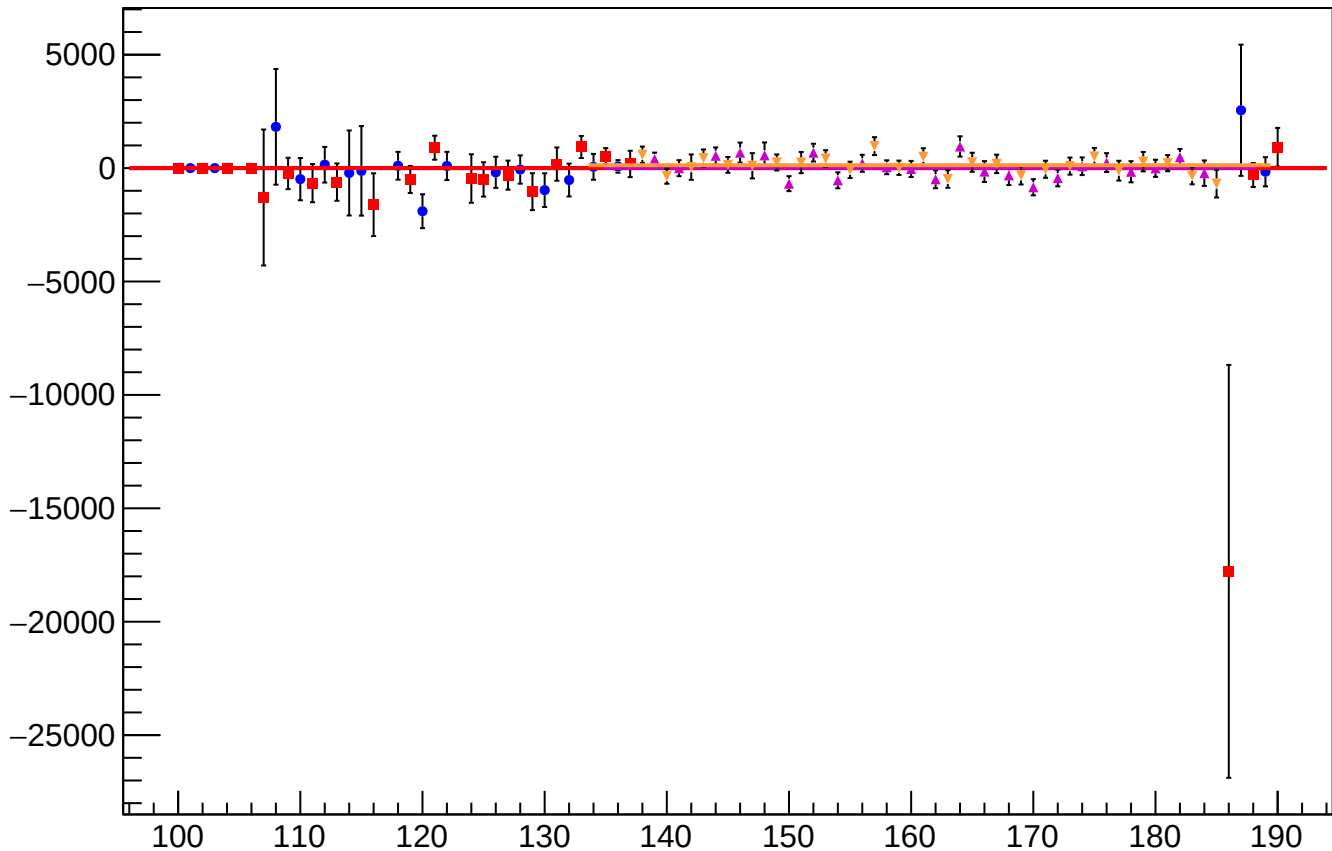
Right Out: 393.240 $\pm$ 0.232 χ^2 /NDF: 7648578.2/17

All: 400.021 $\pm$ 0.170 χ^2 /NDF: 91289762.7/83

Left In: 518313.411 $\pm$ 86.219 χ^2 /NDF: 399884.6/22

- sign 396.983 $\pm$ 0.232 χ^2 /NDF: 44132377.0/40

diff_cav4bY_mean vs Slug



Right In: -0.020 ± 0.347 χ^2/NDF : 11.3/17

Left Out: 128.971 ± 78.249 χ^2/NDF : 20.1/24

Right Out: 0.599 ± 0.324 χ^2/NDF : 20.3/21

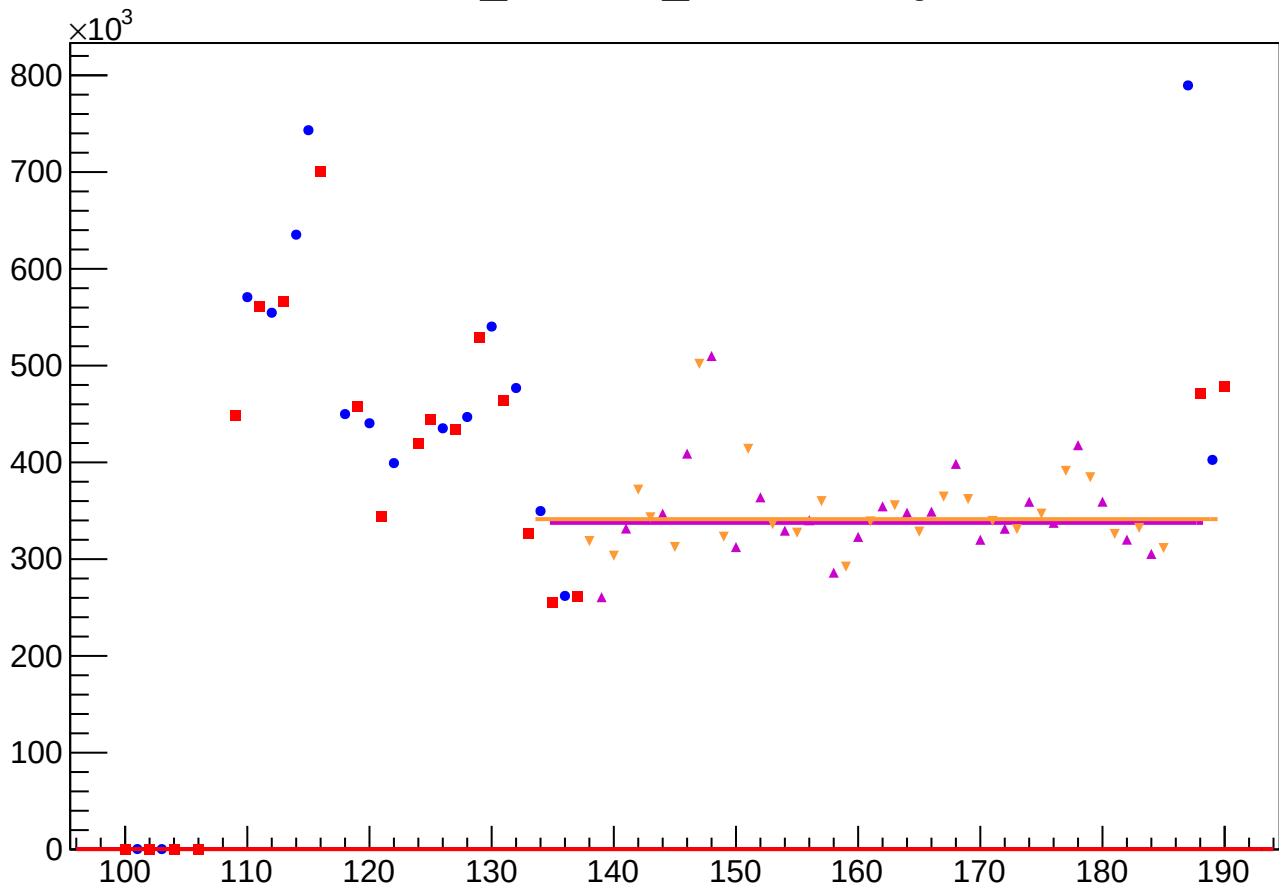
Left In: 19.324 ± 79.767 χ^2/NDF : 33.7/22

+ sign -0.018 ± 0.347 χ^2/NDF : 34.1/42

All: 0.312 ± 0.237 χ^2/NDF : 89.9/87

- sign 0.599 ± 0.324 χ^2/NDF : 54.0/44

diff_cav4bY_rms vs Slug



Right In: 390.392 ± 0.245 $\chi^2/\text{NDF}: 11925367.0/16$

Left Out: 341327.149 ± 55.330 $\chi^2/\text{NDF}: 403173.8/24$

Right Out: 388.224 ± 0.229 $\chi^2/\text{NDF}: 13239225.4/19$

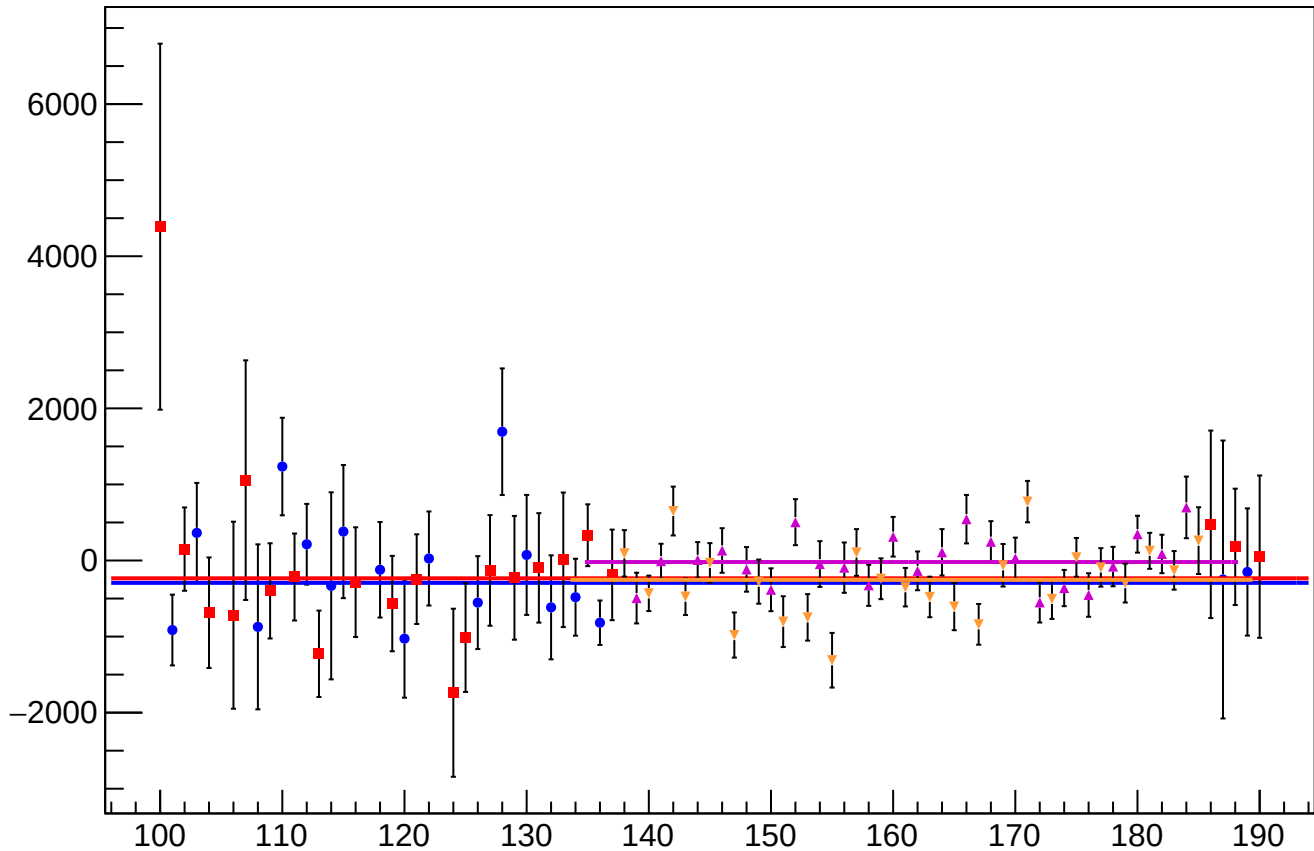
Left In: 337505.654 ± 56.407 $\chi^2/\text{NDF}: 600776.4/22$

+ sign 397.101 ± 0.245 $\chi^2/\text{NDF}: 50296251.7/41$

All: 395.325 ± 0.167 $\chi^2/\text{NDF}: 99854718.1/84$

- sign 393.779 ± 0.229 $\chi^2/\text{NDF}: 49558368.5/42$

diff_cav4cX_mean vs Slug



Right In: -293.545 ± 144.674 χ^2/NDF : 21.2/17

Left Out: -254.371 ± 55.417 χ^2/NDF : 61.3/24

Right Out: -233.983 ± 150.700 χ^2/NDF : 14.6/21

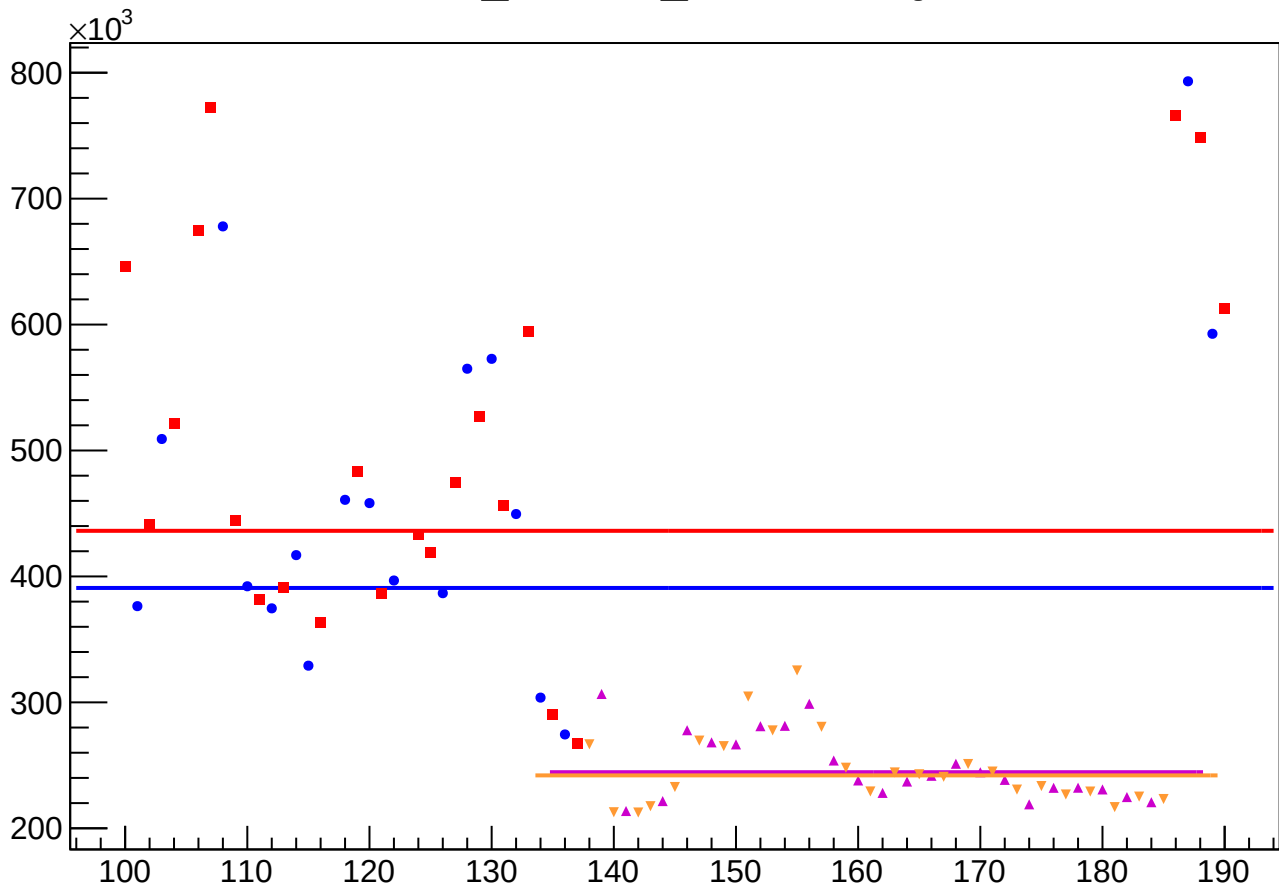
Left In: -20.176 ± 57.484 χ^2/NDF : 28.6/22

+ sign -259.383 ± 51.751 χ^2/NDF : 82.6/42

All: -157.295 ± 37.266 χ^2/NDF : 135.6/87

- sign -47.333 ± 53.709 χ^2/NDF : 45.0/44

diff_cav4cX_rms vs Slug



Right In: 390851.311+/-102.318 χ^2/NDF : 1057243.4/17

Left Out: 242008.749+/-39.186 χ^2/NDF : 413236.1/24

Right Out: 436219.756+/-106.644 χ^2/NDF : 1319970.6/21

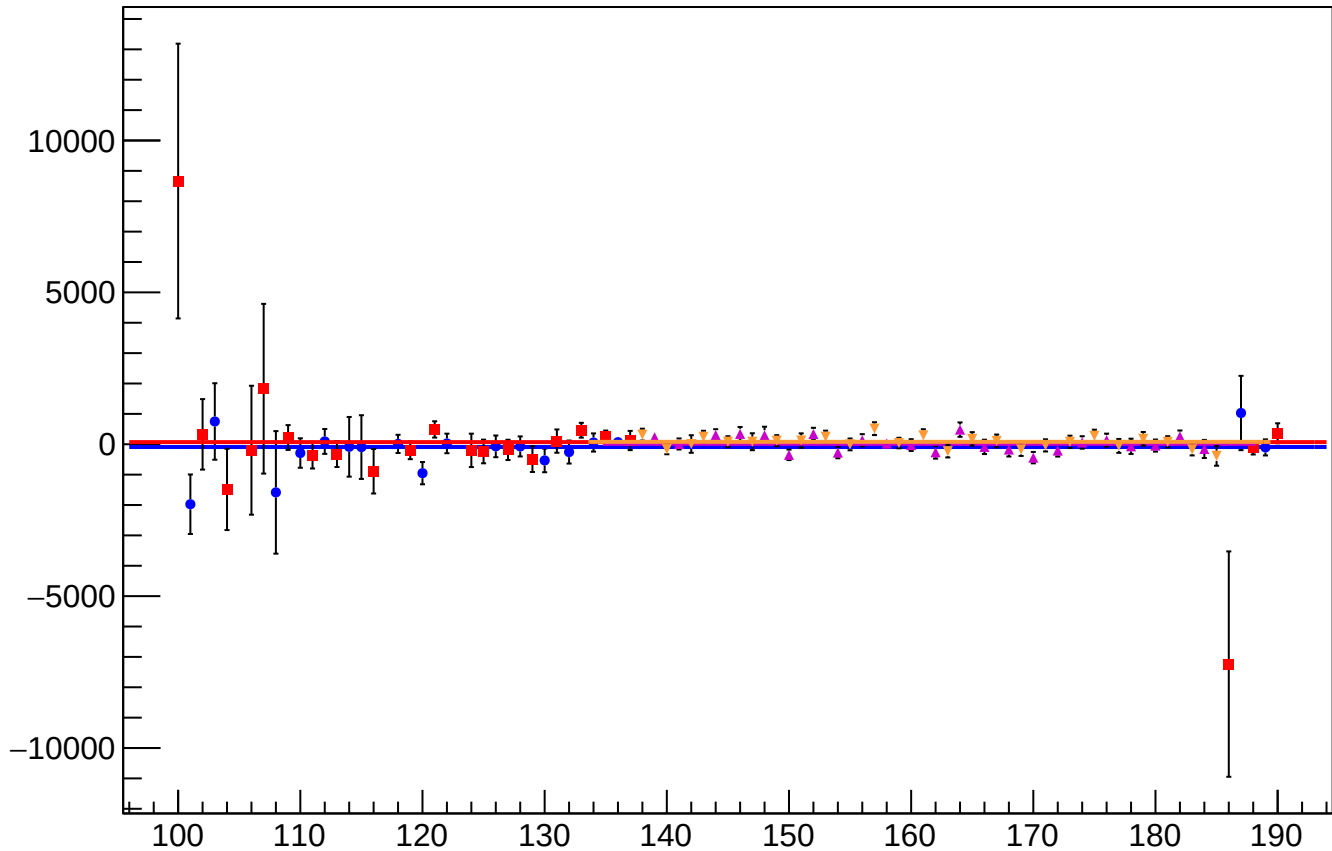
Left In: 244542.686+/-40.647 χ^2/NDF : 361527.4/22

+ sign 261047.828+/-36.594 χ^2/NDF : 3315960.4/42

All: 264806.821+/-26.353 χ^2/NDF : 7840086.1/100

- sign 268856.314+/-37.982 χ^2/NDF : 4502207.6/44

diff_cav4cY_mean vs Slug



Right In: -91.372 ± 83.538 χ^2/NDF : 14.5/17

Left Out: 79.495 ± 41.301 χ^2/NDF : 19.7/24

Right Out: 70.402 ± 78.842 χ^2/NDF : 24.5/21

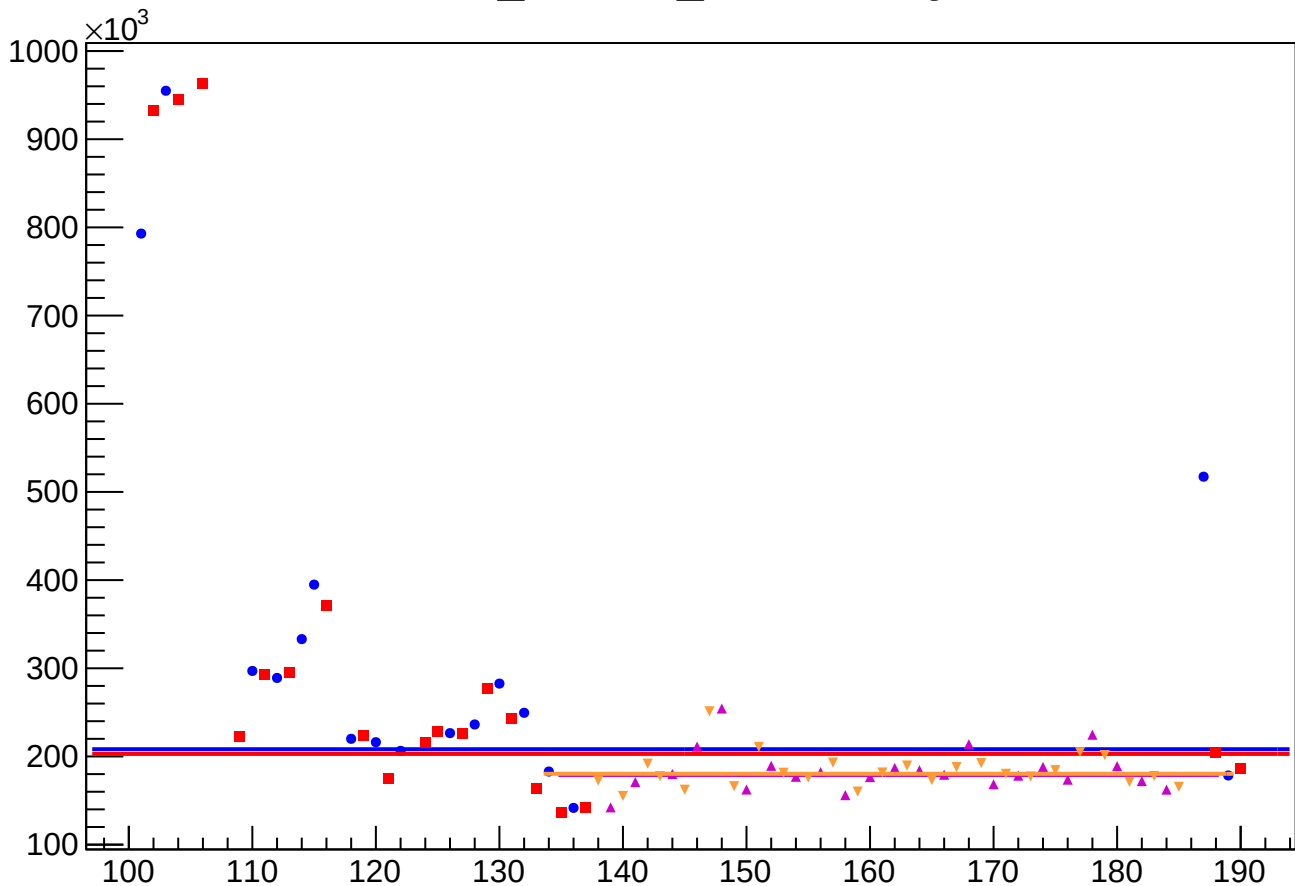
Left In: 14.032 ± 42.233 χ^2/NDF : 33.2/22

+ sign 45.934 ± 37.023 χ^2/NDF : 37.6/42

All: 36.321 ± 26.252 χ^2/NDF : 95.8/87

- sign 26.600 ± 37.228 χ^2/NDF : 58.0/44

diff_cav4cY_rms vs Slug



Right In: 208220.853 $\pm$ 59.163

χ^2/NDF : 2113603.2/16

Left Out: 180342.867 $\pm$ 29.204

χ^2/NDF : 346596.9/24

Right Out: 202890.815 $\pm$ 55.875

χ^2/NDF : 2076245.1/18

Left In: 179024.195 $\pm$ 29.863

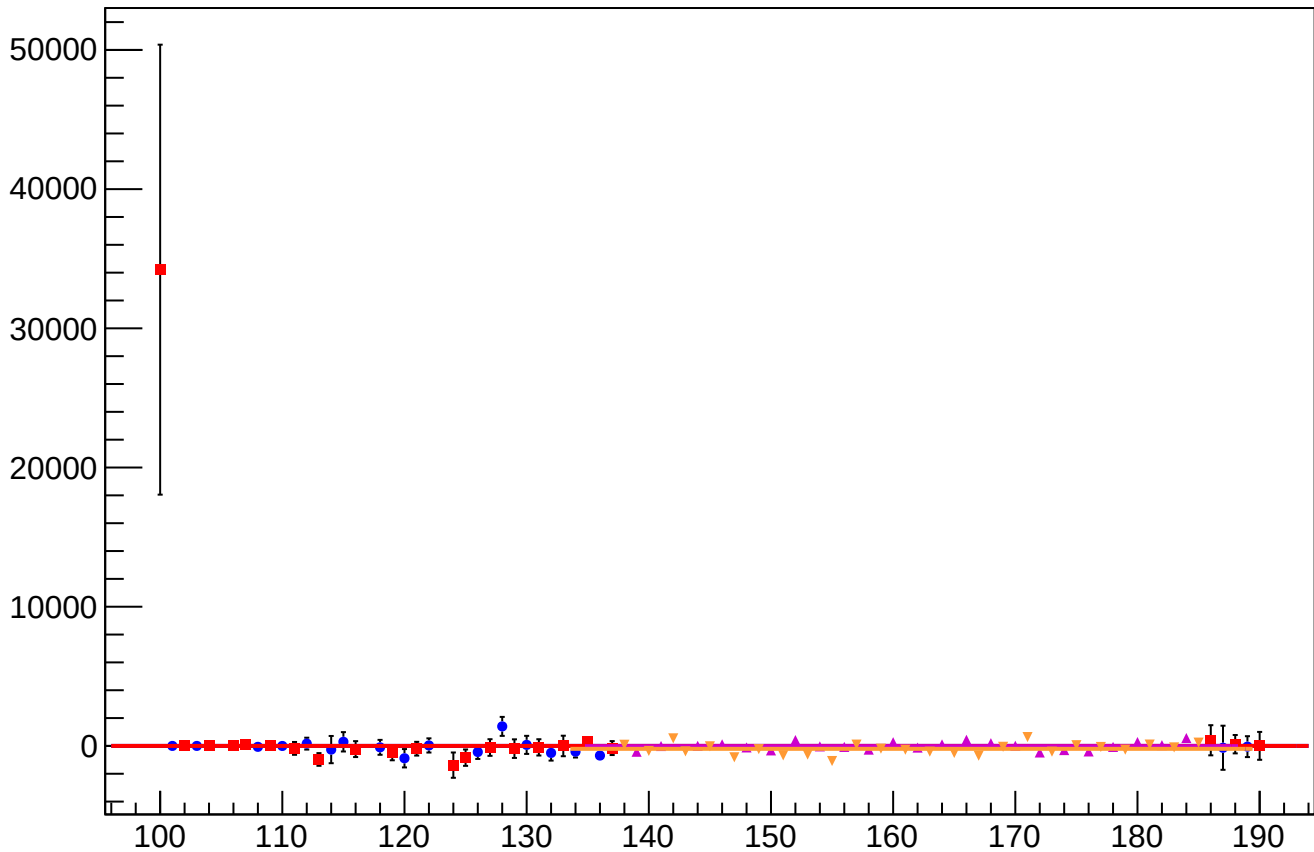
χ^2/NDF : 501400.7/22

+ sign 185804.814 $\pm$ 26.187 χ^2/NDF : 2638735.6/41

All: 185070.146 $\pm$ 18.570 χ^2/NDF : 5359876.6/41

- sign 184327.016 $\pm$ 26.338 χ^2/NDF : 2719557.8/41

diff_cav4dX_mean vs Slug



Right In: -0.035 ± 0.172 χ^2/NDF : 18.1/17

Left Out: -210.198 ± 46.290 χ^2/NDF : 61.2/24

Right Out: -0.355 ± 0.160 χ^2/NDF : 16.7/21

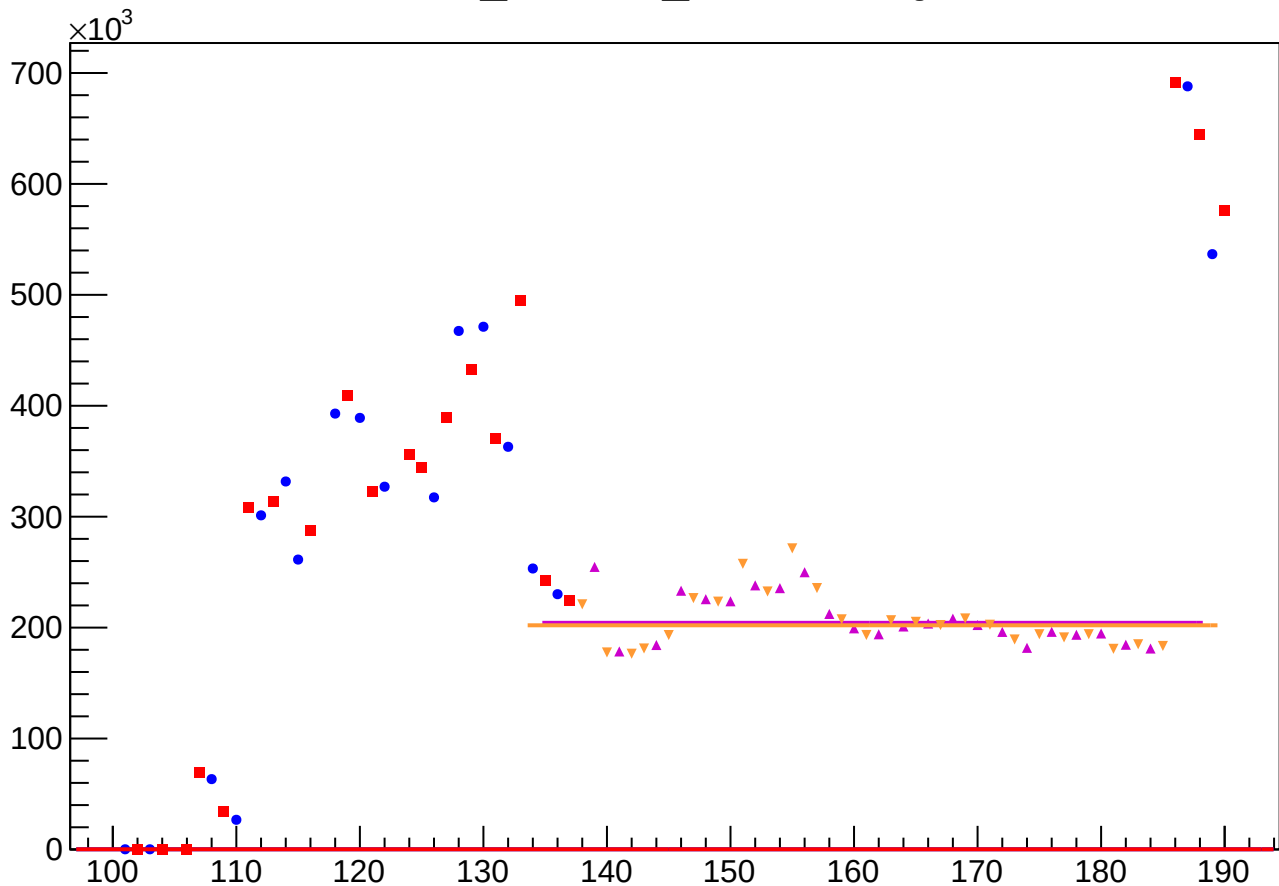
Left In: -21.095 ± 48.037 χ^2/NDF : 28.6/22

+ sign -0.038 ± 0.172 χ^2/NDF : 99.9/42

All: -0.208 ± 0.117 χ^2/NDF : 147.2/87

- sign -0.355 ± 0.160 χ^2/NDF : 45.4/44

diff_cav4dX_rms vs Slug



Right In: 149.129 ± 0.122 $\chi^2/\text{NDF}: 12700646.1/17$

Left Out: 202085.802 ± 32.732 $\chi^2/\text{NDF}: 434069.3/24$

Right Out: 149.446 ± 0.113 $\chi^2/\text{NDF}: 14676053.8/20$

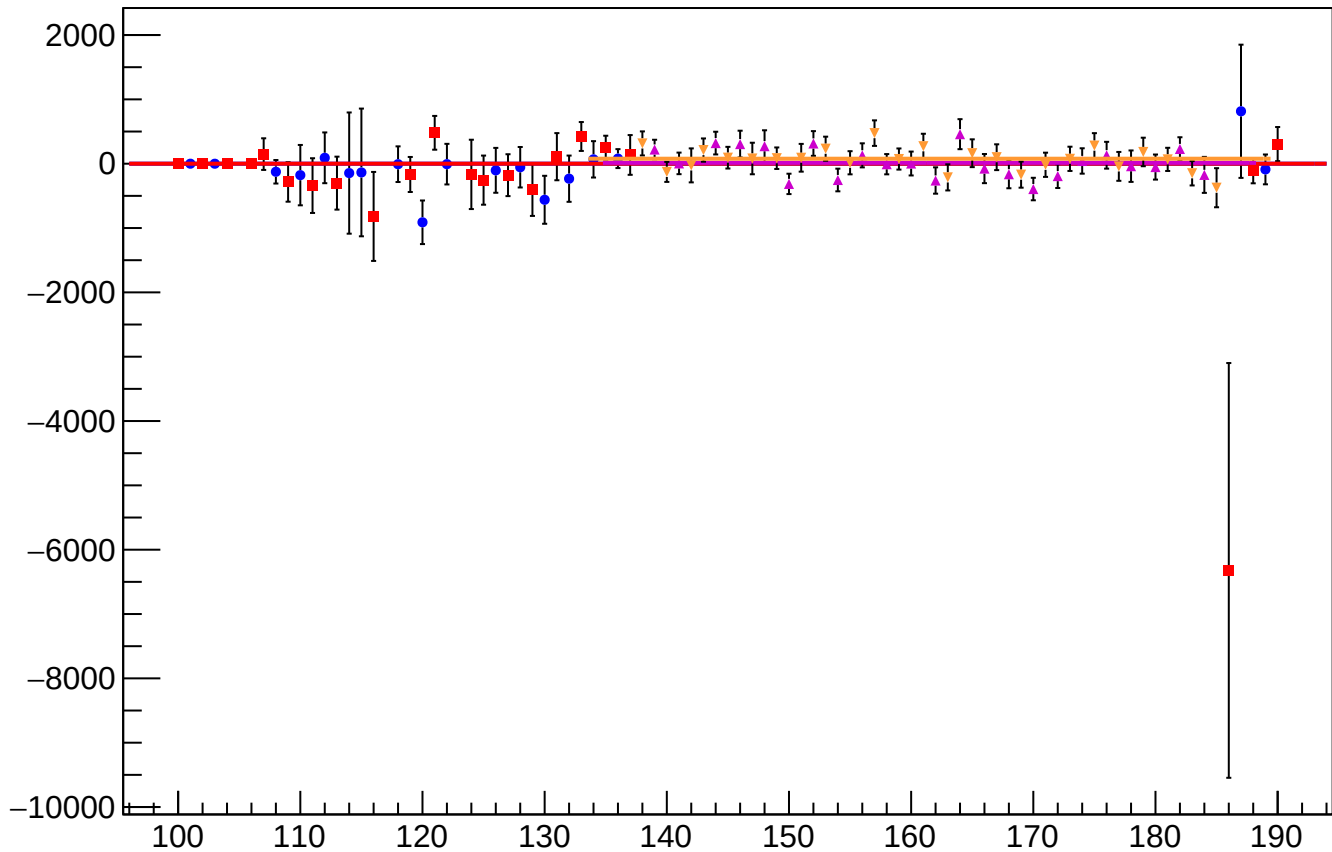
Left In: 204310.238 ± 33.967 $\chi^2/\text{NDF}: 377332.3/22$

+ sign 151.925 ± 0.122 $\chi^2/\text{NDF}: 51196506.0/42$

All: 151.812 ± 0.083 $\chi^2/\text{NDF}: 102375319.0/8$

- sign 151.715 ± 0.113 $\chi^2/\text{NDF}: 51178811.4/43$

diff_cav4dY_mean vs Slug



Right In: -0.068 ± 0.177 χ^2/NDF : 12.0/17

Left Out: 77.572 ± 38.921 χ^2/NDF : 19.1/24

Right Out: 0.126 ± 0.166 χ^2/NDF : 20.7/21

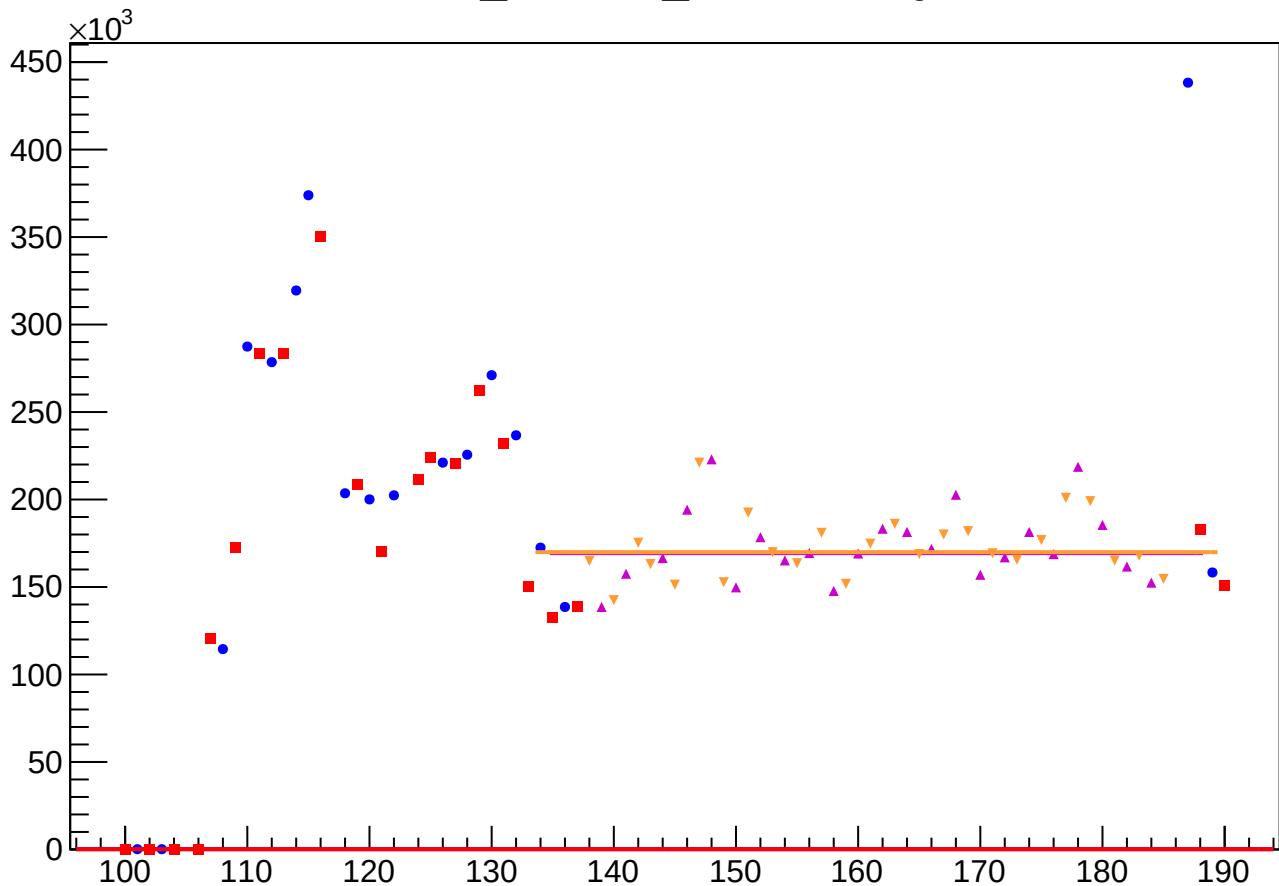
Left In: 13.457 ± 39.929 χ^2/NDF : 32.7/22

+ sign -0.066 ± 0.177 χ^2/NDF : 35.1/42

All: 0.036 ± 0.121 χ^2/NDF : 89.2/87

- sign 0.126 ± 0.166 χ^2/NDF : 53.5/44

diff_cav4dY_rms vs Slug



Right In: 153.565 $\pm$ 0.125 χ^2 /NDF: 13193380.7/17

Left Out: 169916.225 $\pm$ 27.521 χ^2 /NDF:363966.0/24

Right Out: 156.350 $\pm$ 0.118 χ^2 /NDF: 13723701.3/20

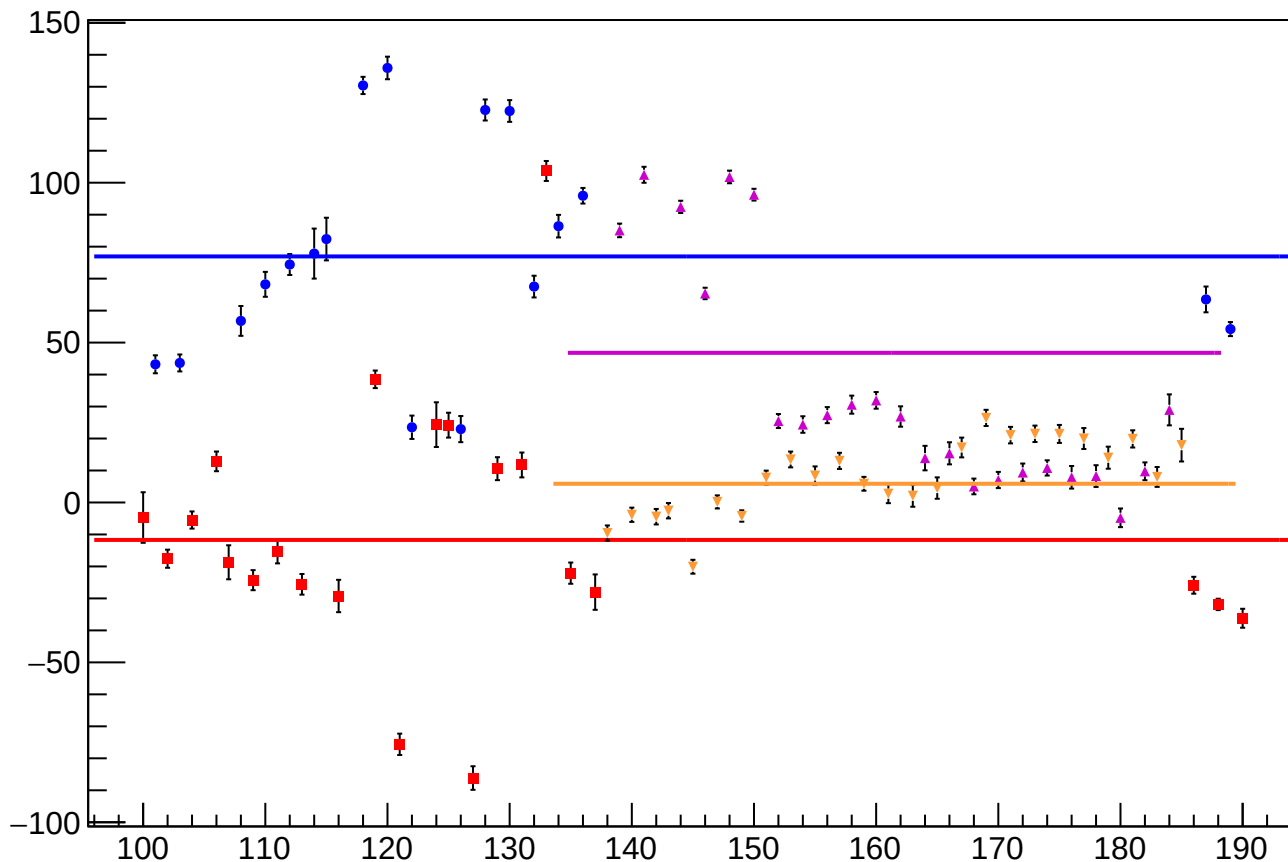
Left In: 169352.083 $\pm$ 28.234 χ^2 /NDF:474852.1/22

+ sign 157.085 $\pm$ 0.125 χ^2 /NDF: 51605462.4/42

All: 158.257 $\pm$ 0.086 χ^2 /NDF: 101714260.8/8

- sign 159.291 $\pm$ 0.118 χ^2 /NDF: 50108633.9/43

diff_bpm0i01X_mean vs Slug



Right In: 76.942 ± 0.779 χ^2/NDF : 1954.2/17

Left Out: 5.852 ± 0.514 χ^2/NDF : 535.3/24

Right Out: -11.709 ± 0.697 χ^2/NDF : 3029.5/21

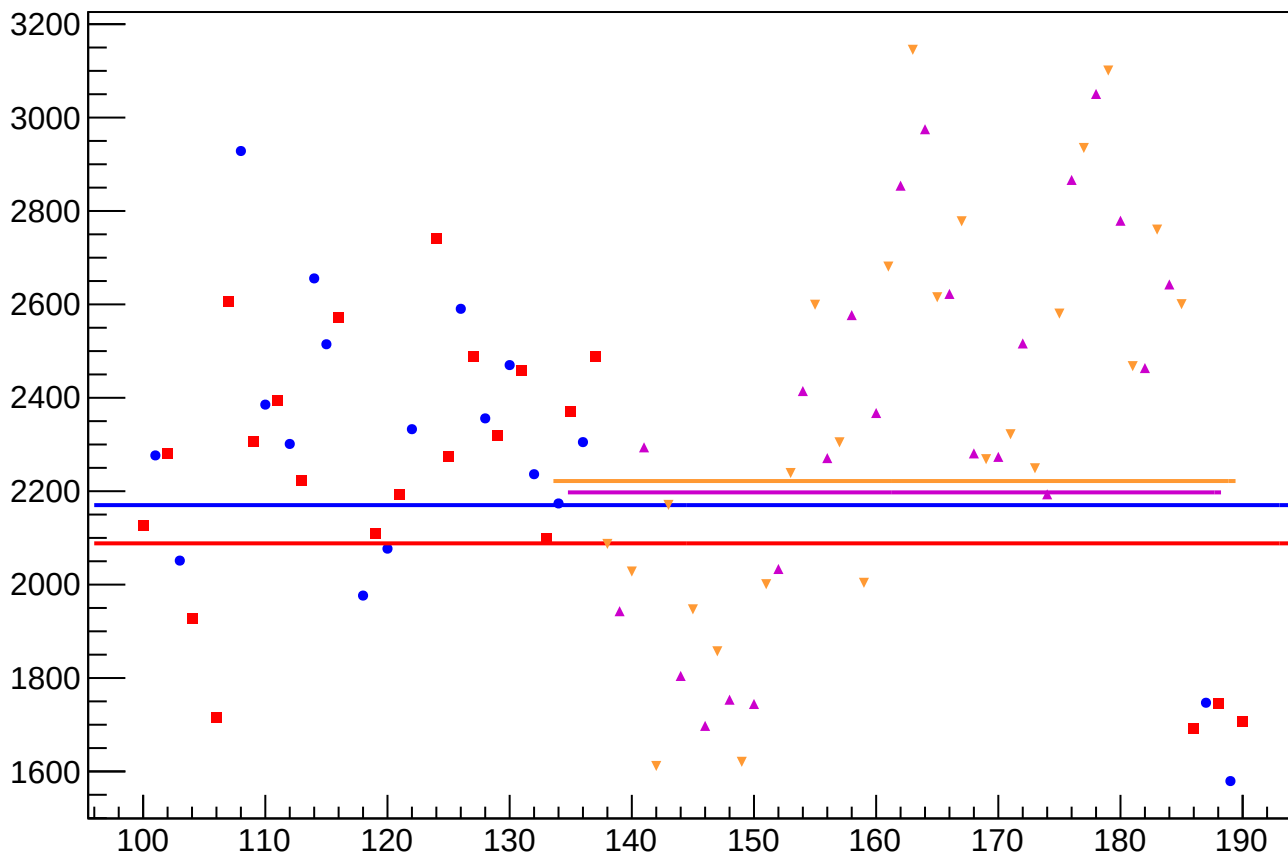
Left In: 46.796 ± 0.524 χ^2/NDF : 5175.4/22

+ sign 27.416 ± 0.429 χ^2/NDF : 8292.3/42

All: 26.504 ± 0.300 χ^2/NDF : 21006.7/87

- sign 25.635 ± 0.419 χ^2/NDF : 12705.5/44

diff_bpm0i01X_rms vs Slug



Right In: 2170.208+/-0.551 χ^2/NDF : 314496.9/17

Left Out: 2221.771+/-0.363 χ^2/NDF : 1184043.2/24

Right Out: 2088.335+/-0.493 χ^2/NDF : 362317.2/21

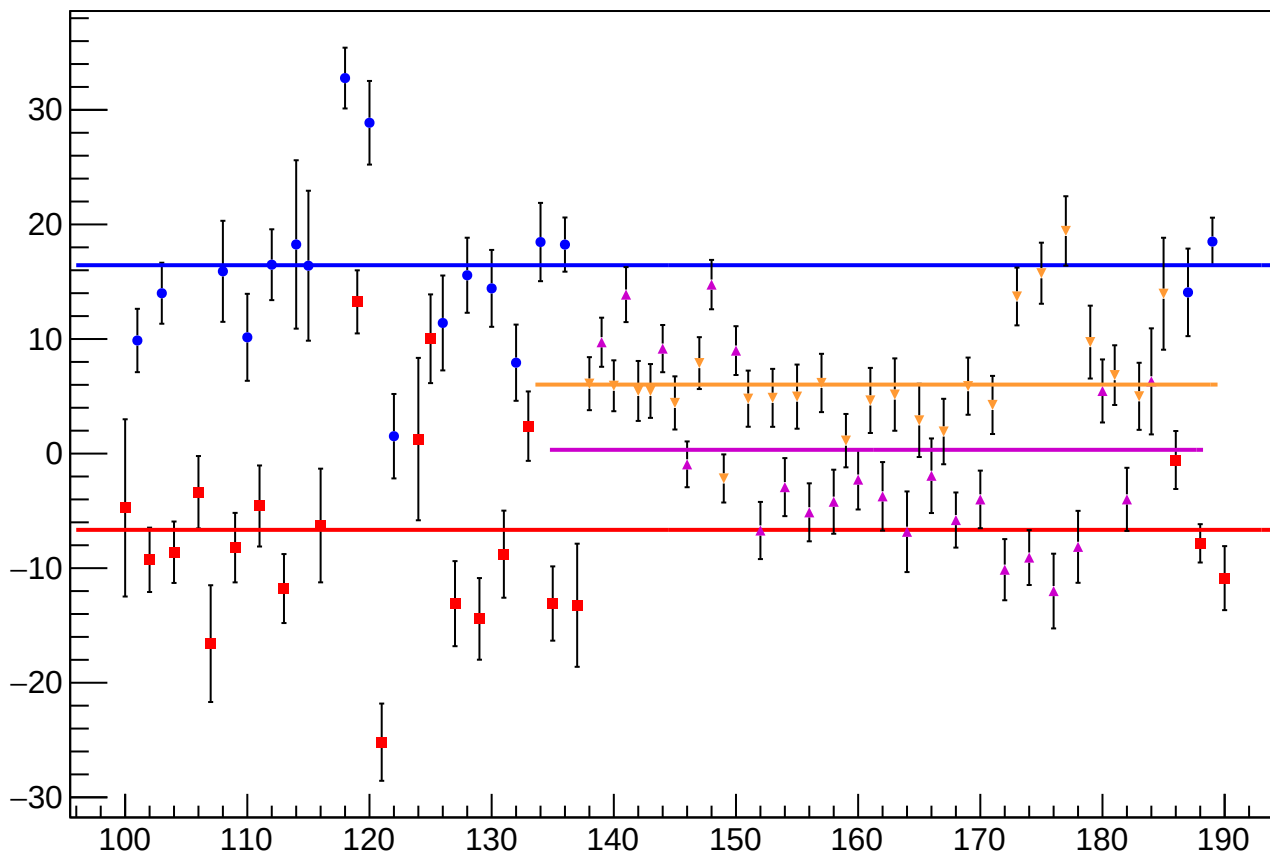
Left In: 2197.471+/-0.371 χ^2/NDF : 1104663.4/22

+ sign 2206.130+/-0.303 χ^2/NDF : 1504645.8/42

All: 2181.497+/-0.212 χ^2/NDF : 3015833.4/87

- sign 2157.997+/-0.296 χ^2/NDF : 1498303.0/44

diff_bpm0i01Y_mean vs Slug



Right In: 16.442 ± 0.762 χ^2/NDF : 86.0/17

Left Out: 6.022 ± 0.521 χ^2/NDF : 71.8/24

Right Out: -6.657 ± 0.679 χ^2/NDF : 143.1/21

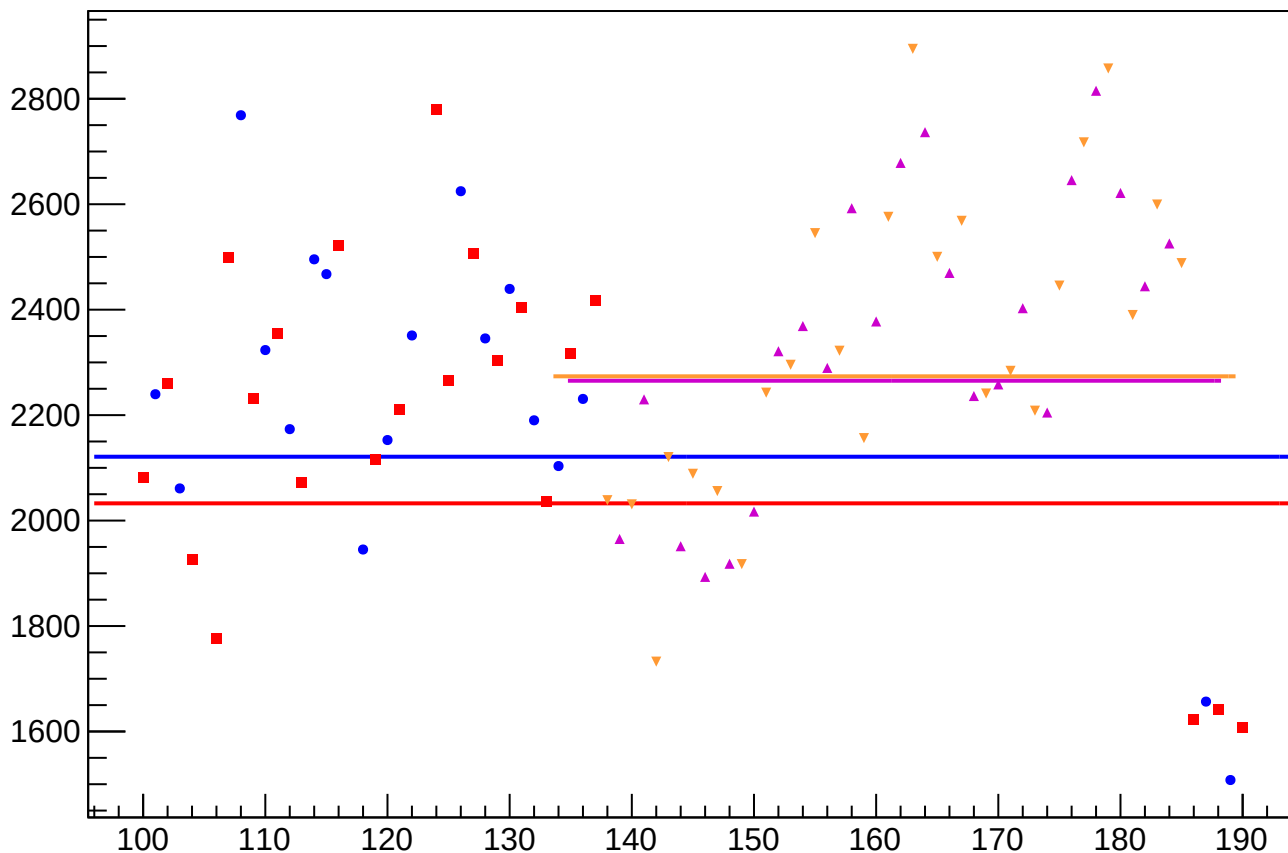
Left In: 0.329 ± 0.535 χ^2/NDF : 224.9/22

+ sign 9.341 ± 0.430 χ^2/NDF : 285.2/42

All: 3.362 ± 0.300 χ^2/NDF : 1096.4/87

- sign -2.344 ± 0.420 χ^2/NDF : 433.4/44

diff_bpm0i01Y_rms vs Slug



Right In: 2121.111 $\pm$ 0.539 χ^2 /NDF: 345409.8/17

Left Out: 2273.612 $\pm$ 0.368 χ^2 /NDF: 536838.6/24

Right Out: 2032.682 $\pm$ 0.480 χ^2 /NDF: 425117.3/21

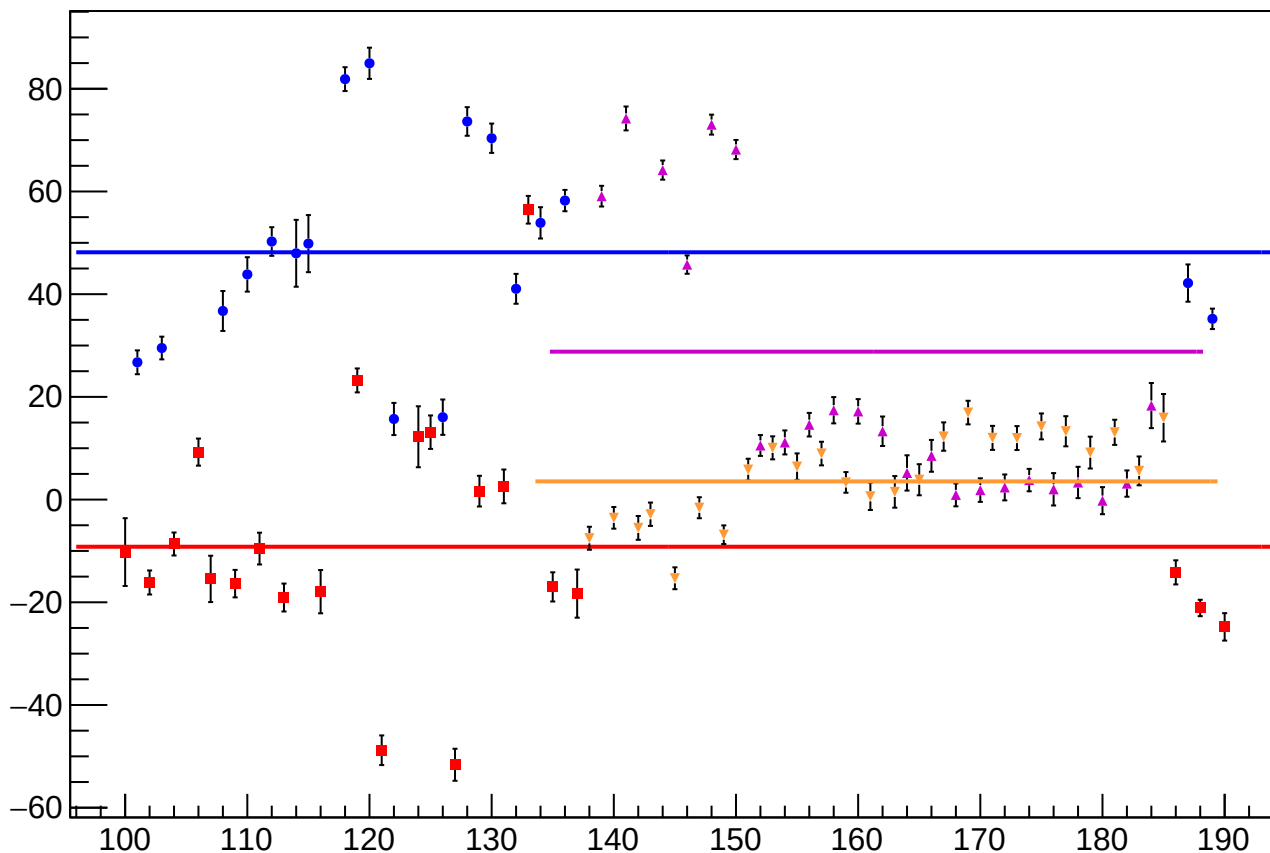
Left In: 2265.257 $\pm$ 0.378 χ^2 /NDF: 495816.5/22

+ sign 2225.045 $\pm$ 0.304 χ^2 /NDF: 936856.7/42

All: 2200.094 $\pm$ 0.212 χ^2 /NDF: 2015783.3/87

- sign 2176.279 $\pm$ 0.297 χ^2 /NDF: 1065762.7/44

diff_bpm0i01aX_mean vs Slug



Right In: 48.158 $\pm$ 0.667 χ^2 /NDF: 940.9/17

Left Out: 3.544 $\pm$ 0.480 χ^2 /NDF:319.8/24

Right Out: -9.181 $\pm$ 0.599 χ^2 /NDF: 1434.8/21

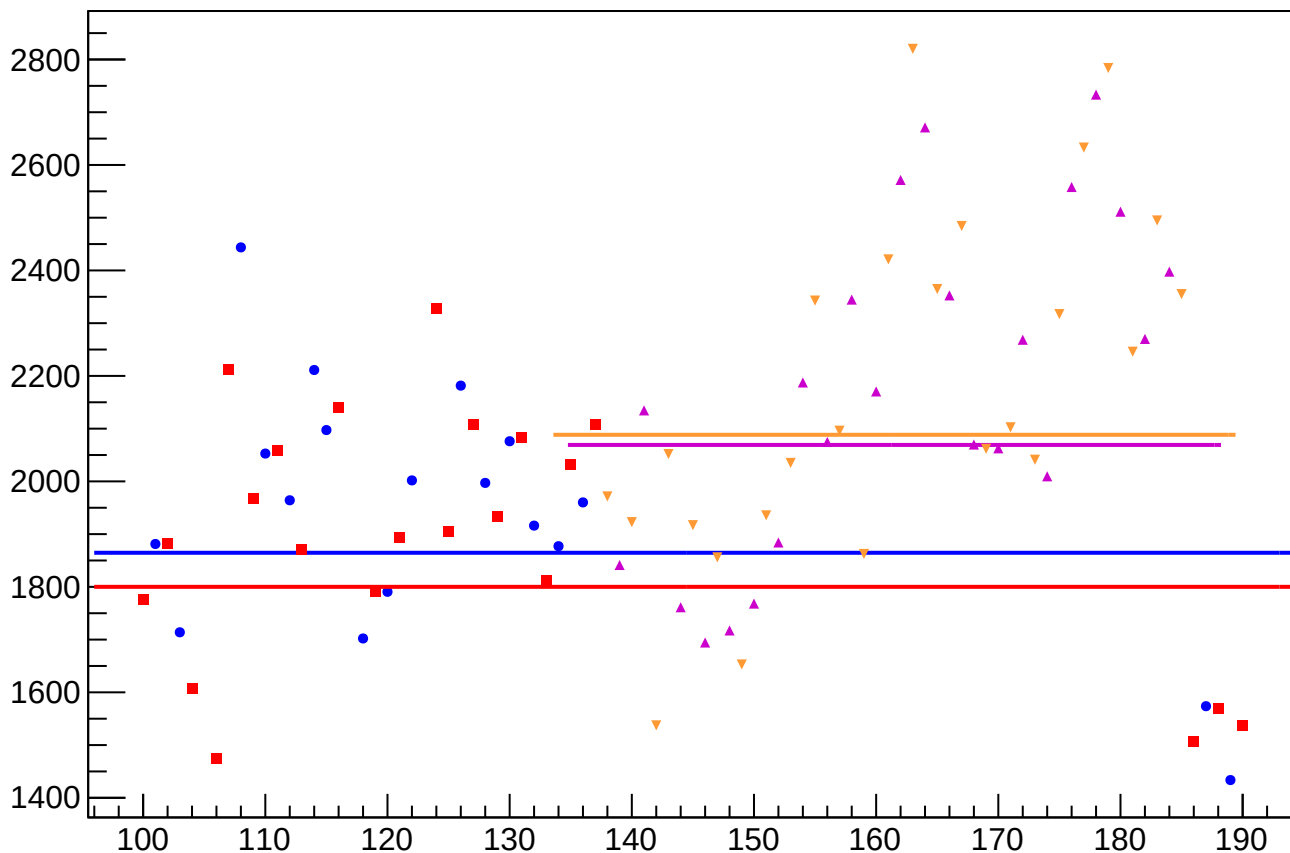
Left In: 28.804 $\pm$ 0.491 χ^2 /NDF:3262.5/22

+ sign 18.770 $\pm$ 0.390 χ^2 /NDF: 4205.6/42

All: 16.088 $\pm$ 0.272 χ^2 /NDF: 11401.1/87

- sign 13.544 $\pm$ 0.380 χ^2 /NDF: 7103.2/44

diff_bpm0i01aX_rms vs Slug



Right In: 1864.645 $\pm$ 0.472 χ^2 /NDF: 230481.9/17

Left Out: 2088.353 $\pm$ 0.340 χ^2 /NDF: 787429.8/24

Right Out: 1800.035 $\pm$ 0.424 χ^2 /NDF: 273553.5/21

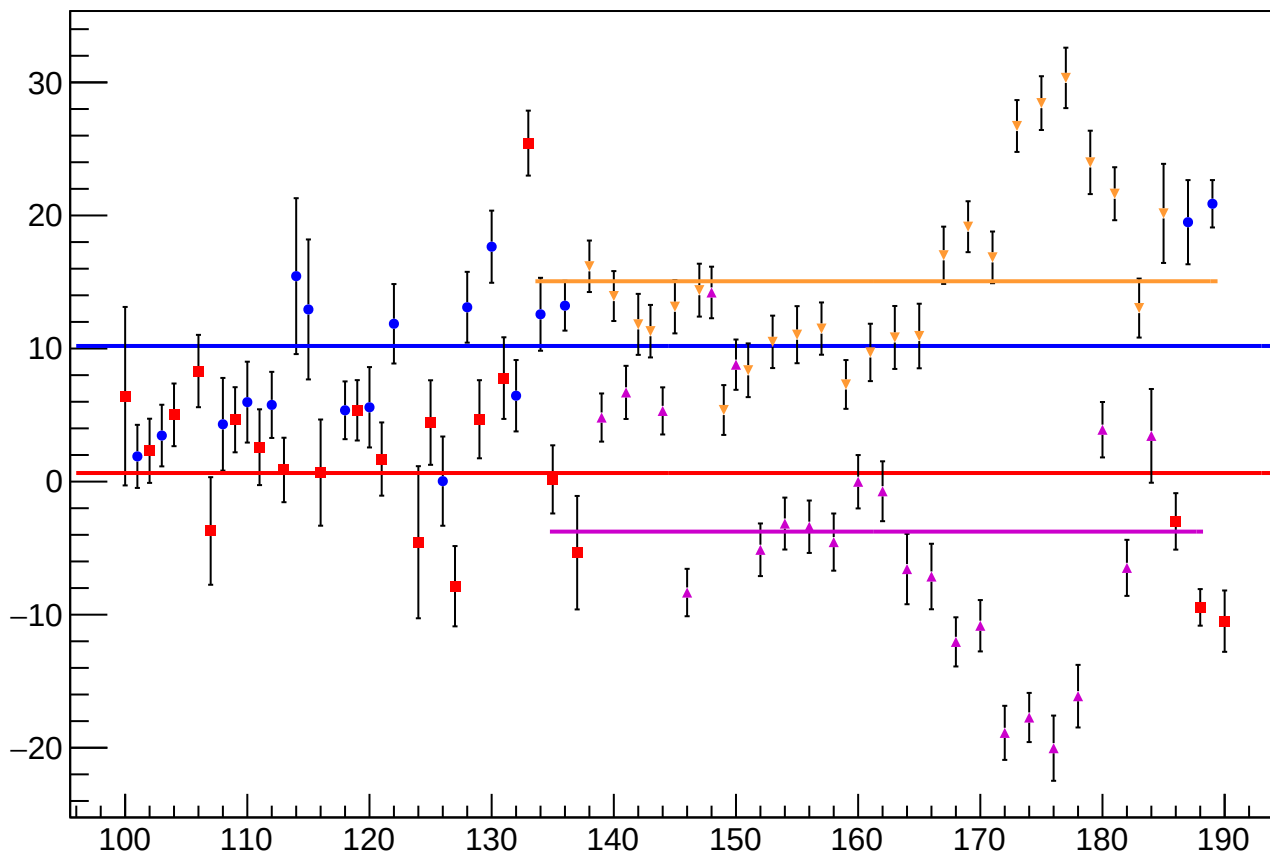
Left In: 2069.116 $\pm$ 0.347 χ^2 /NDF: 711501.5/22

+ sign 2012.008 $\pm$ 0.276 χ^2 /NDF: 1165997.5/42

All: 1985.840 $\pm$ 0.192 χ^2 /NDF: 2410065.2/87

- sign 1961.016 $\pm$ 0.268 χ^2 /NDF: 1226504.5/44

diff_bpm0i01aY_mean vs Slug



Right In: 10.193 $\pm$ 0.626 χ^2 /NDF: 105.3/17

Left Out: 15.056 $\pm$ 0.416 χ^2 /NDF: 246.2/24

Right Out: 0.645 $\pm$ 0.559 χ^2 /NDF: 224.3/21

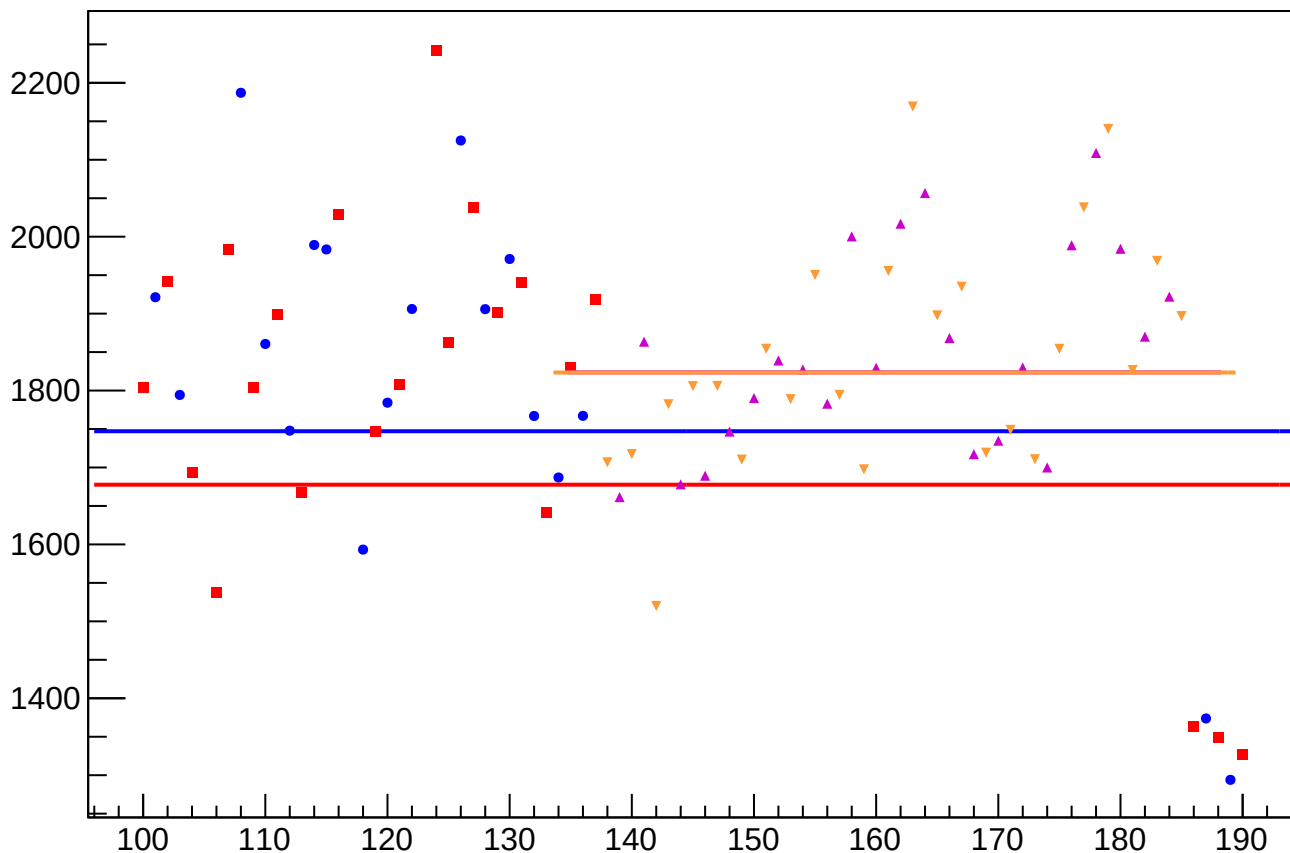
Left In: -3.758 $\pm$ 0.428 χ^2 /NDF: 459.1/22

+ sign 13.566 $\pm$ 0.346 χ^2 /NDF: 393.4/42

All: 5.570 $\pm$ 0.243 χ^2 /NDF: 2163.1/87

- sign -2.132 $\pm$ 0.340 χ^2 /NDF: 722.4/44

diff_bpm0i01aY_rms vs Slug



Right In: 1747.122 $\pm$ 0.442 χ^2 /NDF: 274721.7/17

Left Out: 1823.452 $\pm$ 0.294 χ^2 /NDF: 211274.0/24

Right Out: 1677.620 $\pm$ 0.395 χ^2 /NDF: 380188.1/21

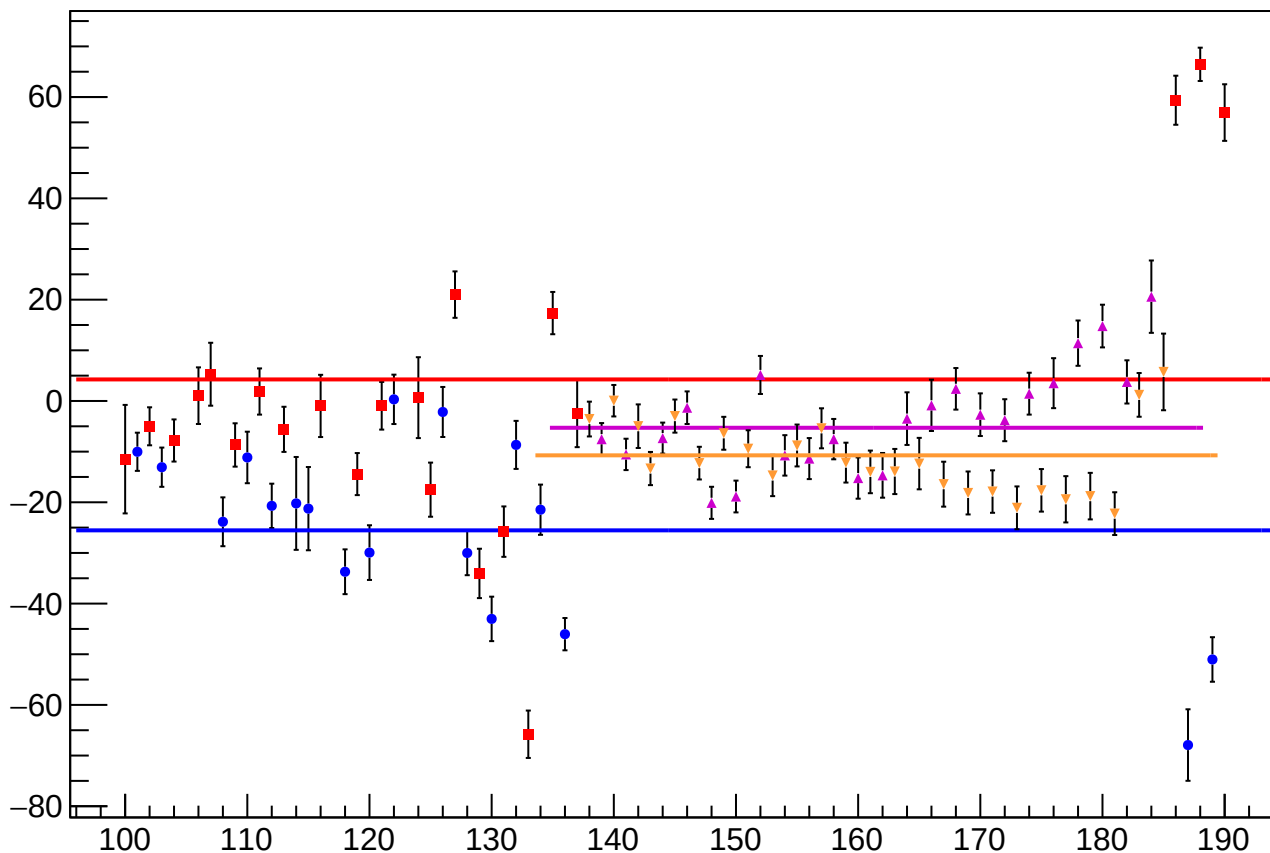
Left In: 1823.627 $\pm$ 0.303 χ^2 /NDF: 163768.2/22

+ sign 1800.070 $\pm$ 0.245 χ^2 /NDF: 506652.7/42

All: 1784.612 $\pm$ 0.171 χ^2 /NDF: 1144436.9/87

- sign 1769.723 $\pm$ 0.240 χ^2 /NDF: 629956.9/44

diff_bpm0l01X_mean vs Slug



Right In: -25.541 ± 1.101 χ^2/NDF : 233.1/17

Left Out: -10.732 ± 0.794 χ^2/NDF : 73.8/24

Right Out: 4.253 ± 1.025 χ^2/NDF : 993.4/21

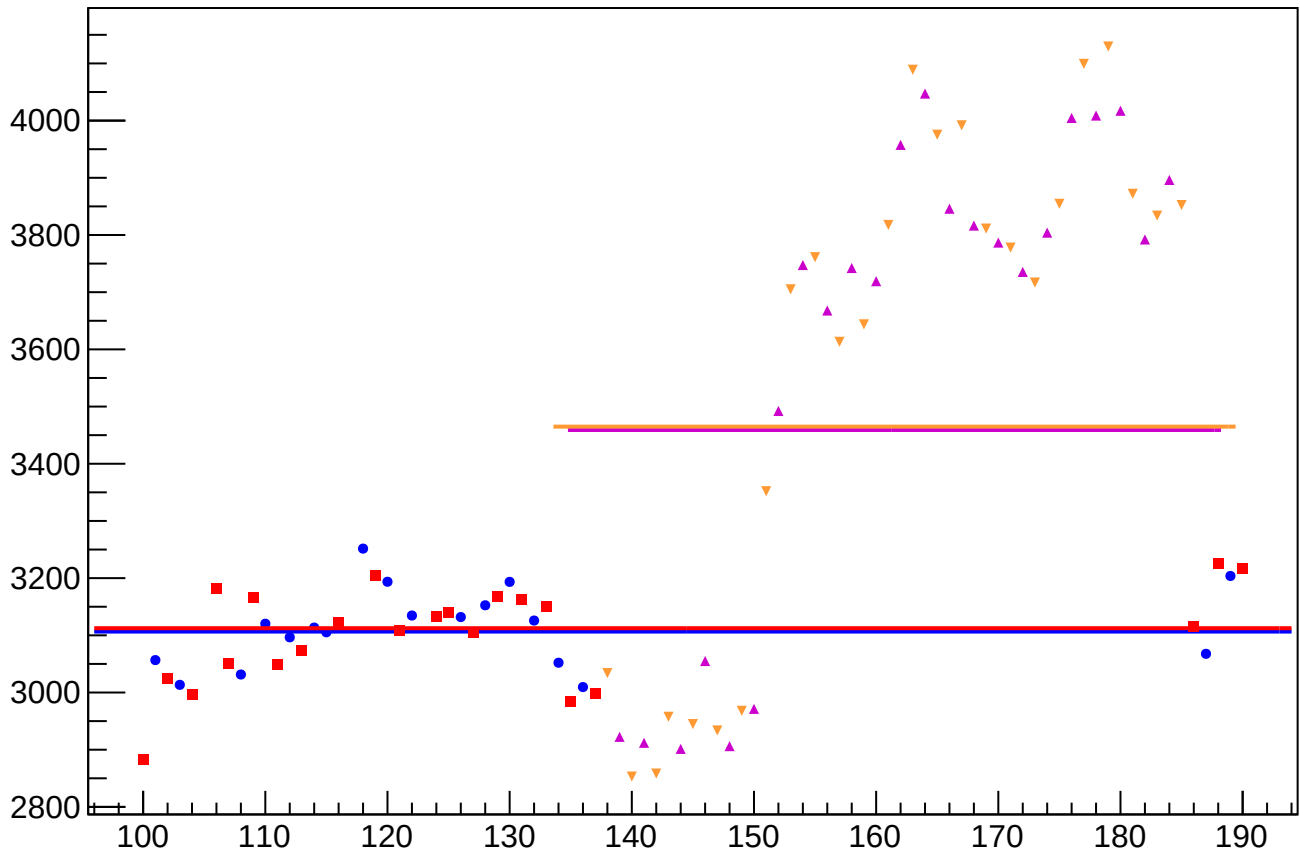
Left In: -5.291 ± 0.814 χ^2/NDF : 133.6/22

+ sign -15.799 ± 0.644 χ^2/NDF : 426.0/42

All: -8.629 ± 0.453 χ^2/NDF : 1851.8/87

- sign -1.597 ± 0.638 χ^2/NDF : 1180.2/44

diff_bpm0l01X_rms vs Slug



Right In: 3106.577 $\pm$ 0.778 χ^2 /NDF: 8980.2/17

Left Out: 3464.906 $\pm$ 0.561 χ^2 /NDF: 644023.5/24

Right Out: 3112.431 $\pm$ 0.725 χ^2 /NDF: 12141.7/21

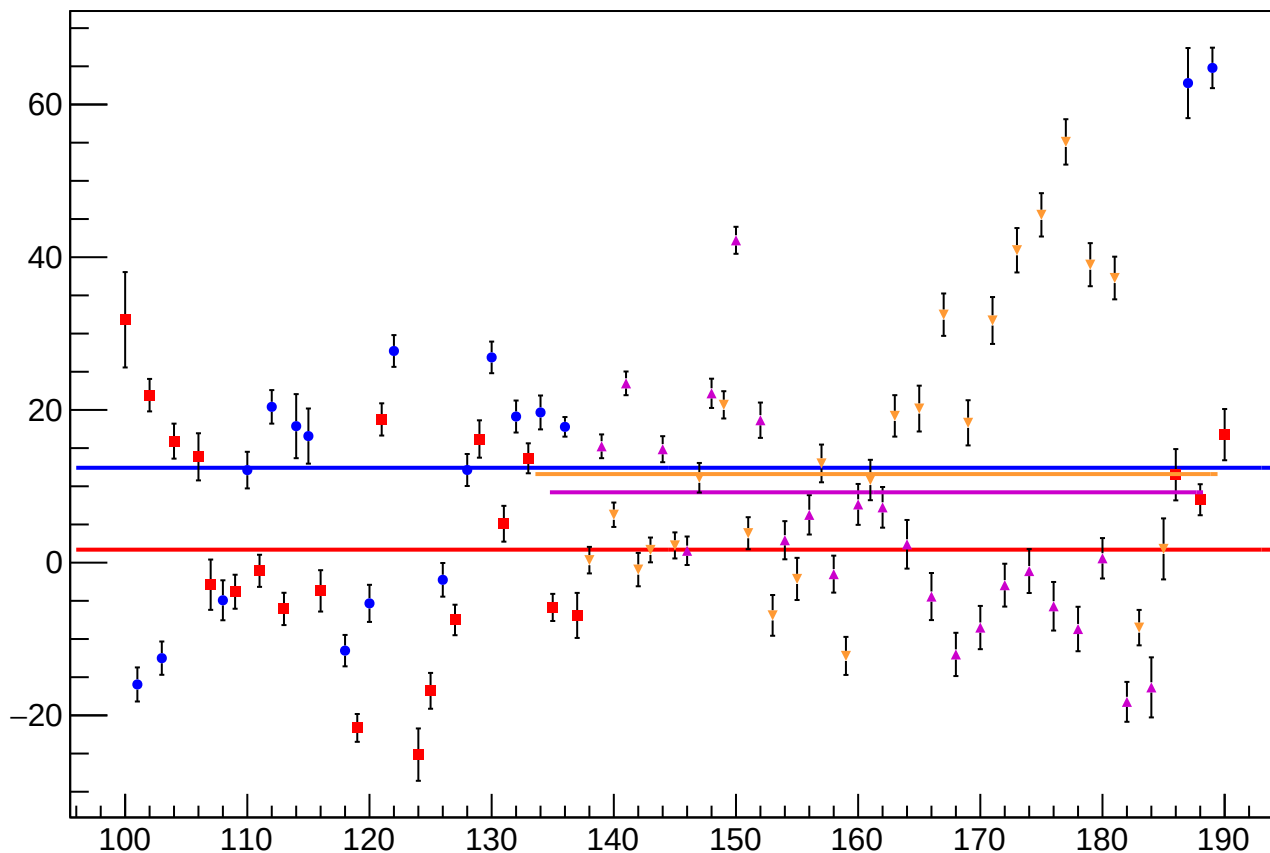
Left In: 3459.050 $\pm$ 0.576 χ^2 /NDF: 583309.1/22

+ sign 3342.301 $\pm$ 0.455 χ^2 /NDF: 792442.3/42

All: 3333.524 $\pm$ 0.320 χ^2 /NDF: 1528859.6/87

- sign 3324.917 $\pm$ 0.451 χ^2 /NDF: 735681.1/44

diff_bpm0l01Y_mean vs Slug



Right In: 12.425 ± 0.527 χ^2/NDF : 1237.9/17

Left Out: 11.599 ± 0.463 χ^2/NDF : 1196.9/24

Right Out: 1.701 ± 0.505 χ^2/NDF : 709.0/21

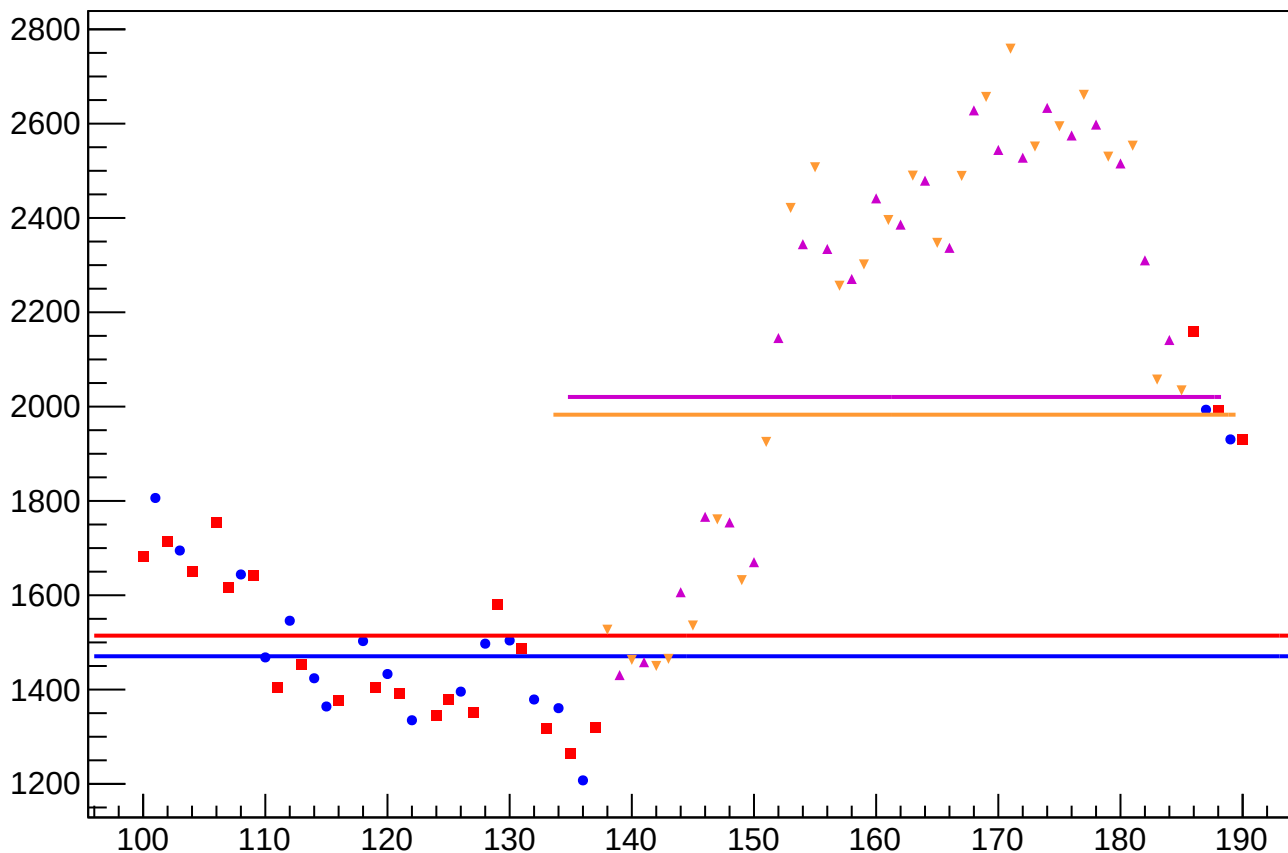
Left In: 9.213 ± 0.484 χ^2/NDF : 940.6/22

+ sign 11.959 ± 0.348 χ^2/NDF : 2436.3/42

All: 8.800 ± 0.247 χ^2/NDF : 4366.8/87

- sign 5.616 ± 0.349 χ^2/NDF : 1765.0/44

diff_bpm0l01Y_rms vs Slug



Right In: 1470.635+/-0.373 χ^2/NDF : 271053.5/17

Left Out: 1982.871+/-0.328 χ^2/NDF : 1977669.4/24

Right Out: 1514.362+/-0.357 χ^2/NDF : 383157.8/21

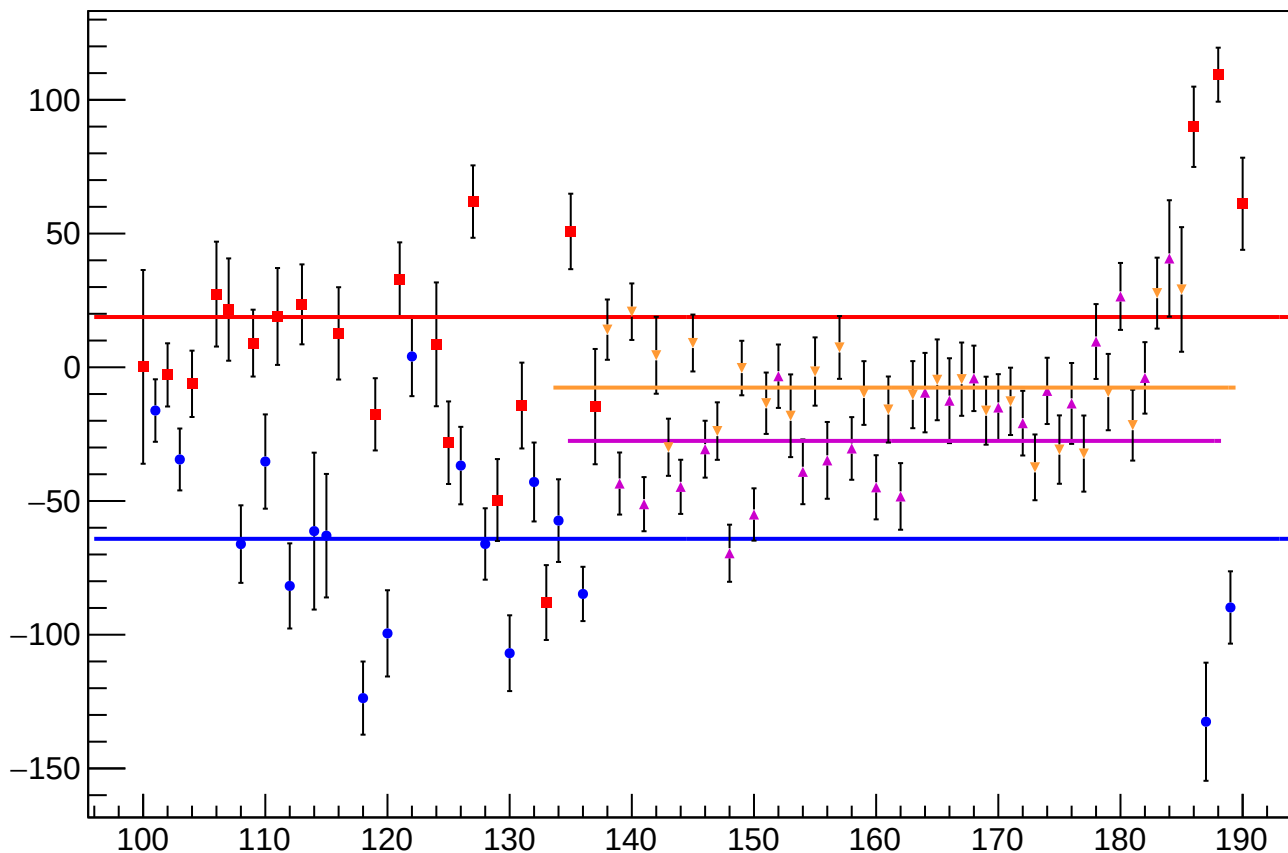
Left In: 2020.468+/-0.342 χ^2/NDF : 1614691.2/22

+ sign 1759.432+/-0.246 χ^2/NDF : 3314626.5/42

All: 1768.744+/-0.174 χ^2/NDF : 6363324.8/87

- sign 1778.126+/-0.247 χ^2/NDF : 3045822.7/44

diff_bpm0l02X_mean vs Slug



Right In: -64.145 ± 3.433 $\chi^2/\text{NDF}: 104.5/17$

Left Out: -7.594 ± 2.495 $\chi^2/\text{NDF}: 47.9/24$

Right Out: 18.794 ± 3.206 $\chi^2/\text{NDF}: 235.6/21$

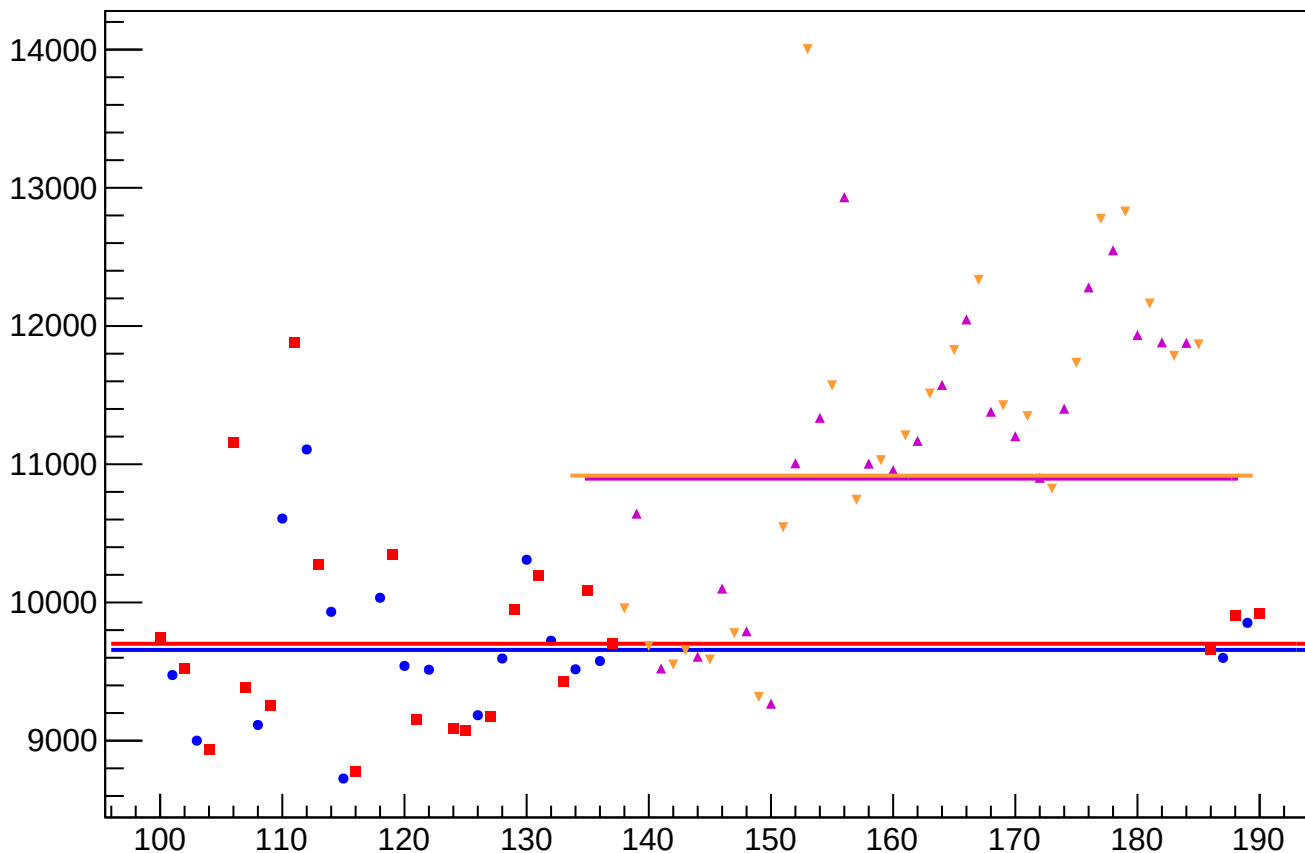
Left In: -27.528 ± 2.556 $\chi^2/\text{NDF}: 93.0/22$

+ sign -27.139 ± 2.018 $\chi^2/\text{NDF}: 330.0/42$

All: -18.246 ± 1.420 $\chi^2/\text{NDF}: 824.7/87$

- sign -9.524 ± 1.999 $\chi^2/\text{NDF}: 456.2/44$

diff_bpm0l02X_rms vs Slug



Right In: 9656.719 $\pm$ 2.428 χ^2 /NDF: 44558.2/17

Left Out: 10917.711 $\pm$ 1.764 χ^2 /NDF: 425841.1/24

Right Out: 9701.195 $\pm$ 2.267 χ^2 /NDF: 81204.2/21

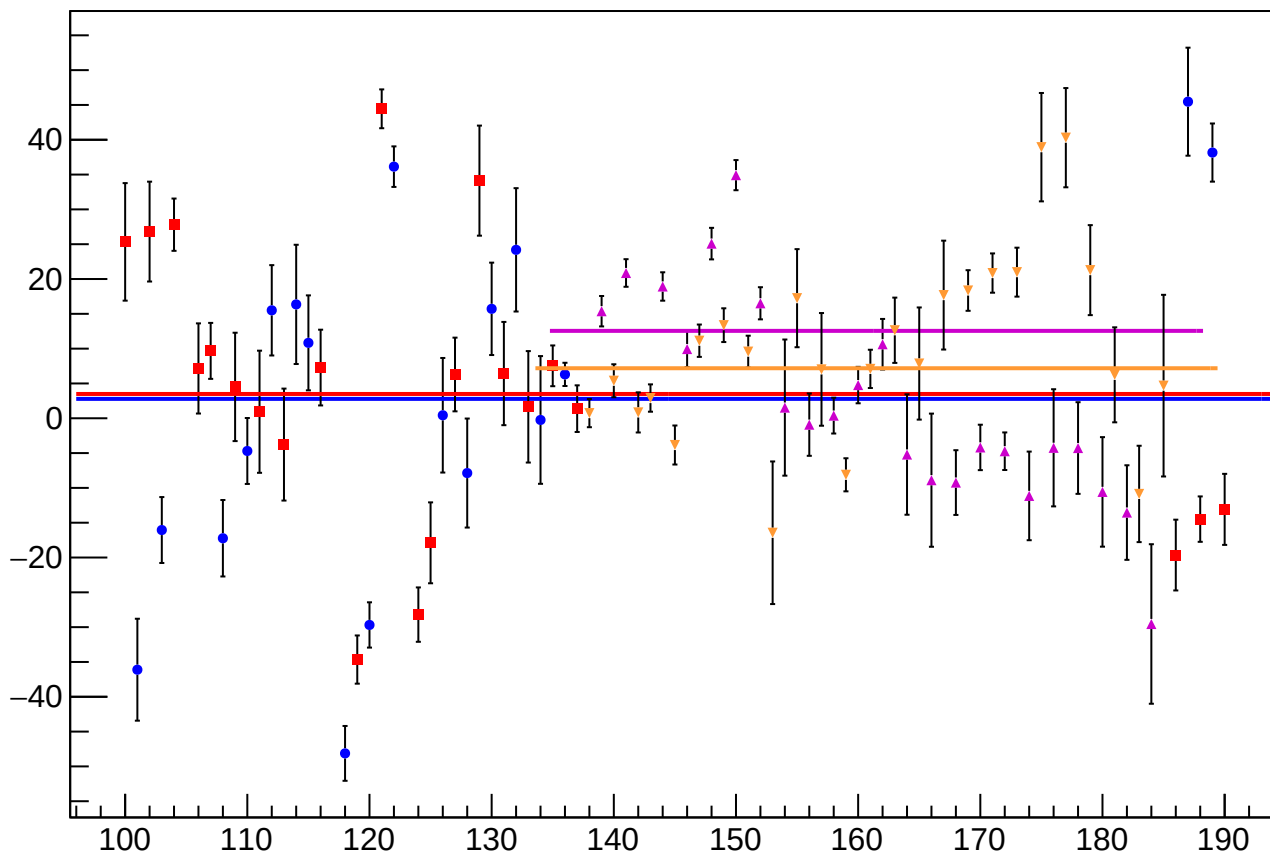
Left In: 10895.992 $\pm$ 1.808 χ^2 /NDF: 298059.2/22

+ sign 10481.897 $\pm$ 1.427 χ^2 /NDF: 646957.2/42

All: 10456.513 $\pm$ 1.004 χ^2 /NDF: 1196636.4/8

- sign 10431.617 $\pm$ 1.413 χ^2 /NDF: 549052.6/44

diff_bpm0l02Y_mean vs Slug



Right In: 2.786 ± 1.006 $\chi^2/\text{NDF}: 583.9/17$

Left Out: 7.185 ± 0.654 $\chi^2/\text{NDF}: 201.7/24$

Right Out: 3.491 ± 0.981 $\chi^2/\text{NDF}: 559.3/21$

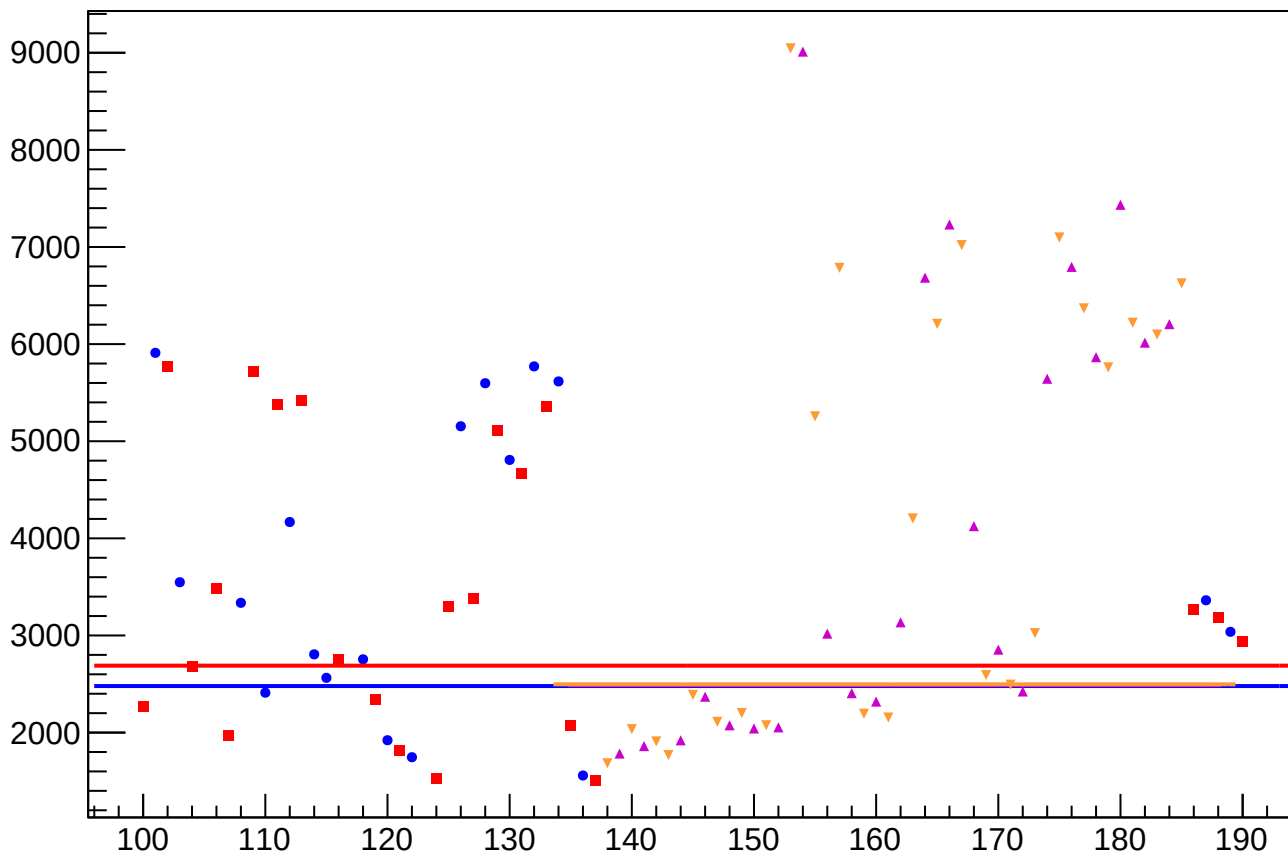
Left In: 12.553 ± 0.661 $\chi^2/\text{NDF}: 372.1/22$

+ sign 5.878 ± 0.548 $\chi^2/\text{NDF}: 799.1/42$

All: 7.803 ± 0.387 $\chi^2/\text{NDF}: 1813.8/87$

- sign 9.727 ± 0.548 $\chi^2/\text{NDF}: 990.1/44$

diff_bpm0l02Y_rms vs Slug



Right In: 2479.110 $\pm$ 0.711 χ^2 /NDF: 2881794.8/17

Left Out: 2496.801 $\pm$ 0.462 χ^2 /NDF: 7205827.8/24

Right Out: 2689.037 $\pm$ 0.694 χ^2 /NDF: 2606444.5/21

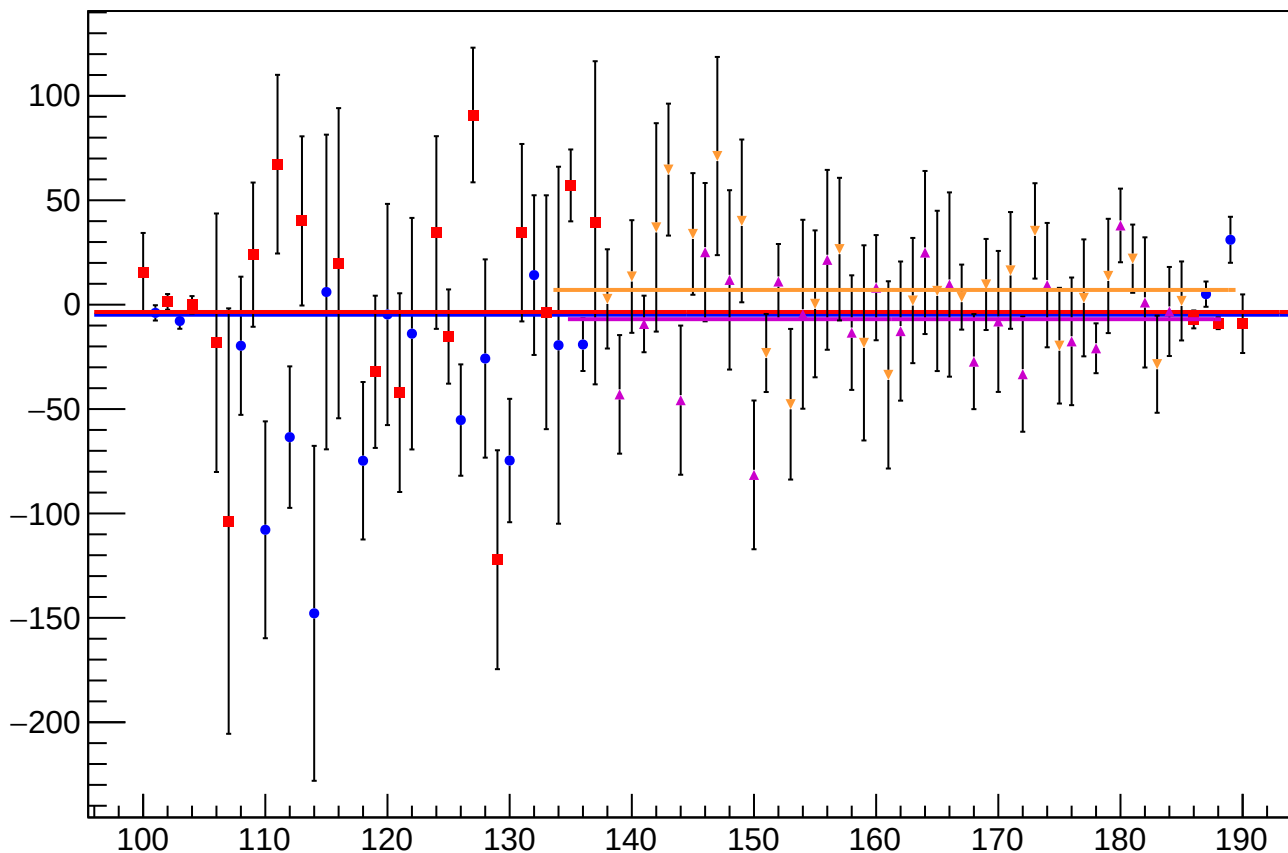
Left In: 2487.721 $\pm$ 0.467 χ^2 /NDF: 6103466.5/22

+ sign 2491.546 $\pm$ 0.388 χ^2 /NDF: 10088057.8/42

All: 2521.030 $\pm$ 0.274 χ^2 /NDF: 18867484.0/8

- sign 2550.505 $\pm$ 0.387 χ^2 /NDF: 8767849.7/44

diff_bpm0l03X_mean vs Slug



Right In: -4.807 ± 2.261 χ^2/NDF : 38.7/17

Left Out: 7.059 ± 5.227 χ^2/NDF : 19.6/24

Right Out: -3.504 ± 1.739 χ^2/NDF : 43.0/21

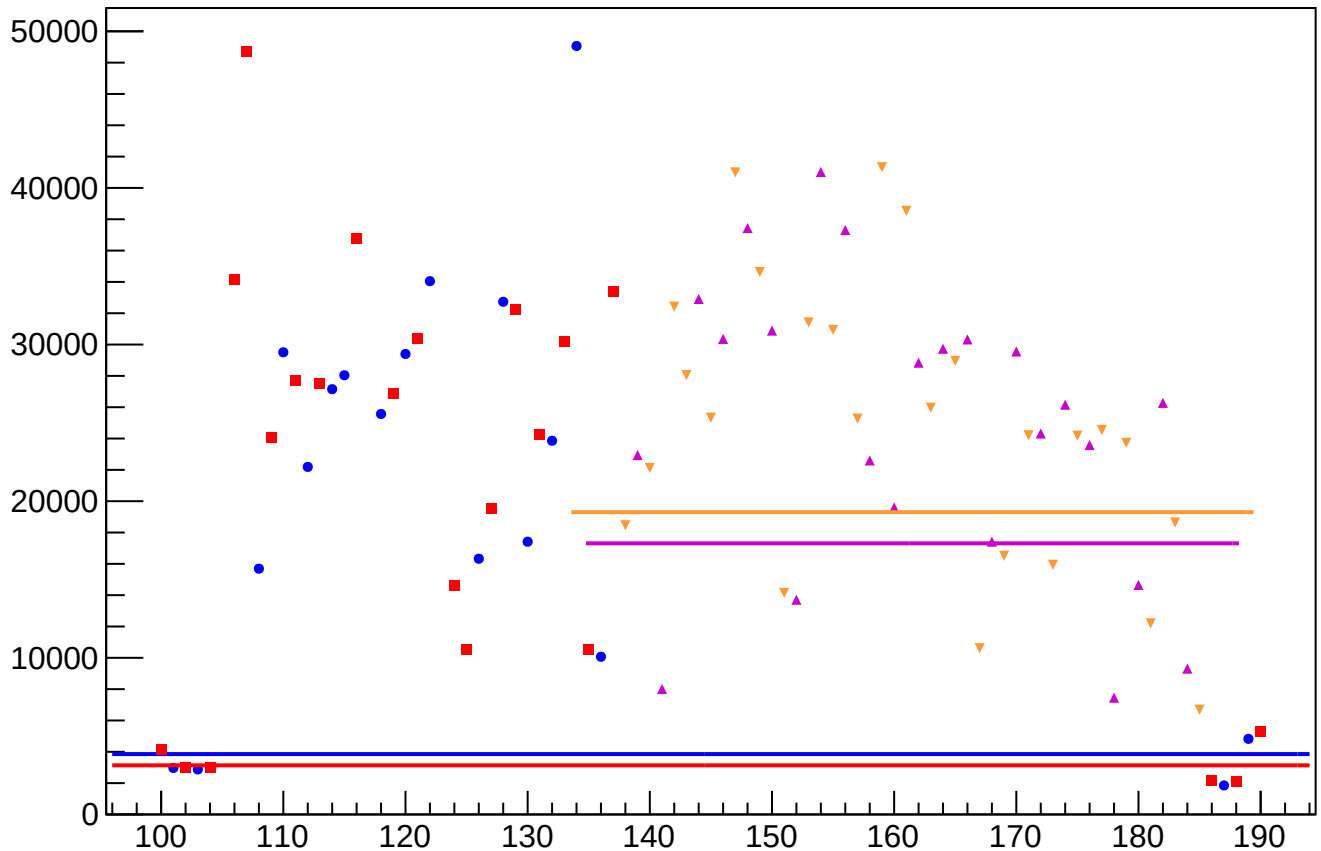
Left In: -6.944 ± 5.090 χ^2/NDF : 21.1/22

+ sign -2.937 ± 2.075 χ^2/NDF : 62.6/42

All: -3.506 ± 1.289 χ^2/NDF : 127.2/87

- sign -3.863 ± 1.646 χ^2/NDF : 64.5/44

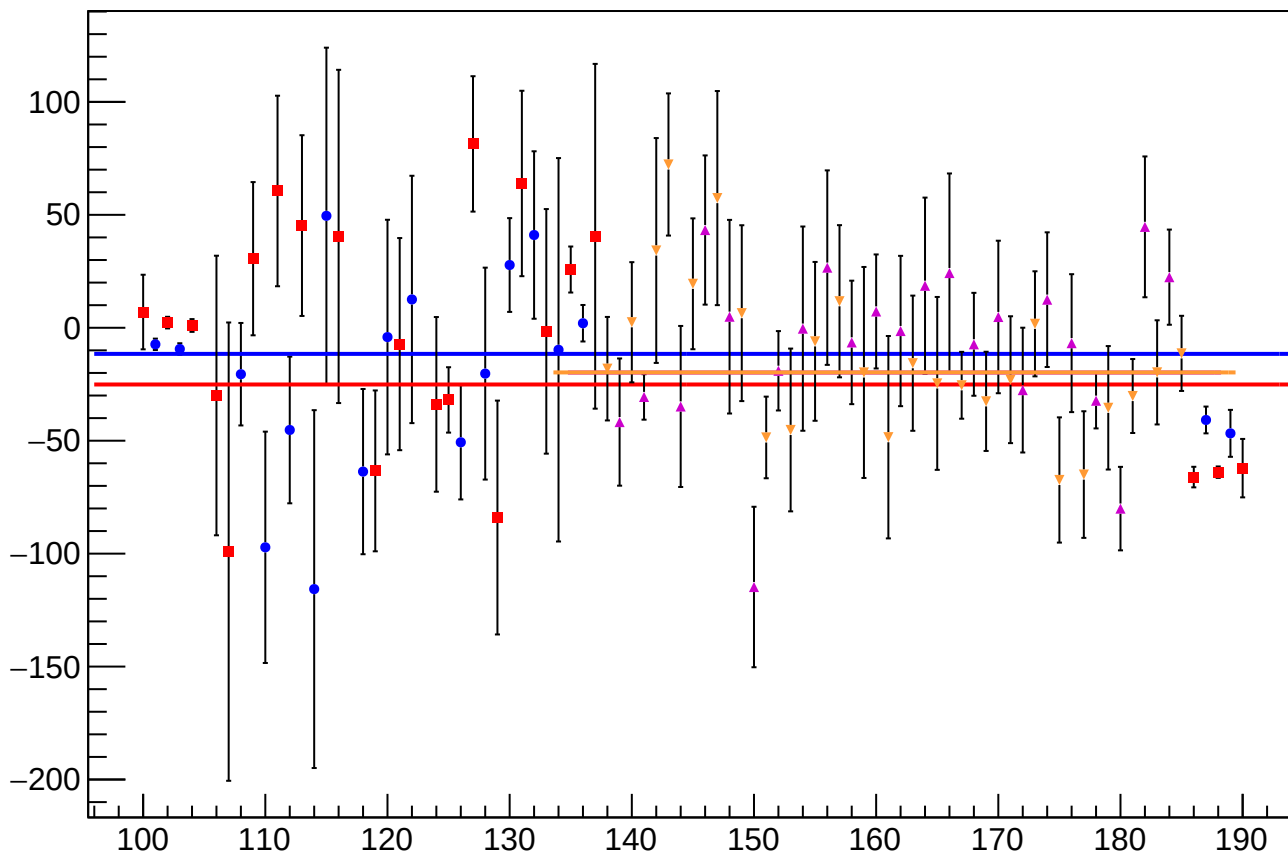
diff_bpm0l03X_rms vs Slug



Right In: 3854.513+/-1.599 χ^2/NDF : 7098355.5/17
 Left Out: 19299.351+/-3.696 χ^2/NDF : 5037014.9/24
 Right Out: 3135.877+/-1.230 χ^2/NDF : 8476657.0/21
 Left In: 17309.081+/-3.600 χ^2/NDF : 6719993.9/22

+ sign 6288.477+/-1.467 χ^2/NDF : 26842664.0/42
 All: 5262.367+/-0.912 χ^2/NDF : 56719624.9/8
 - sign 4617.092+/-1.164 χ^2/NDF : 29080466.9/44

diff_bpm0l03Y_mean vs Slug



Right In: -11.559 $\pm$ 1.632 χ^2/NDF : 58.9/17

Left Out: -19.769 $\pm$ 5.117 χ^2/NDF : 27.8/24

Right Out: -25.110 $\pm$ 1.398 χ^2/NDF : 584.7/21

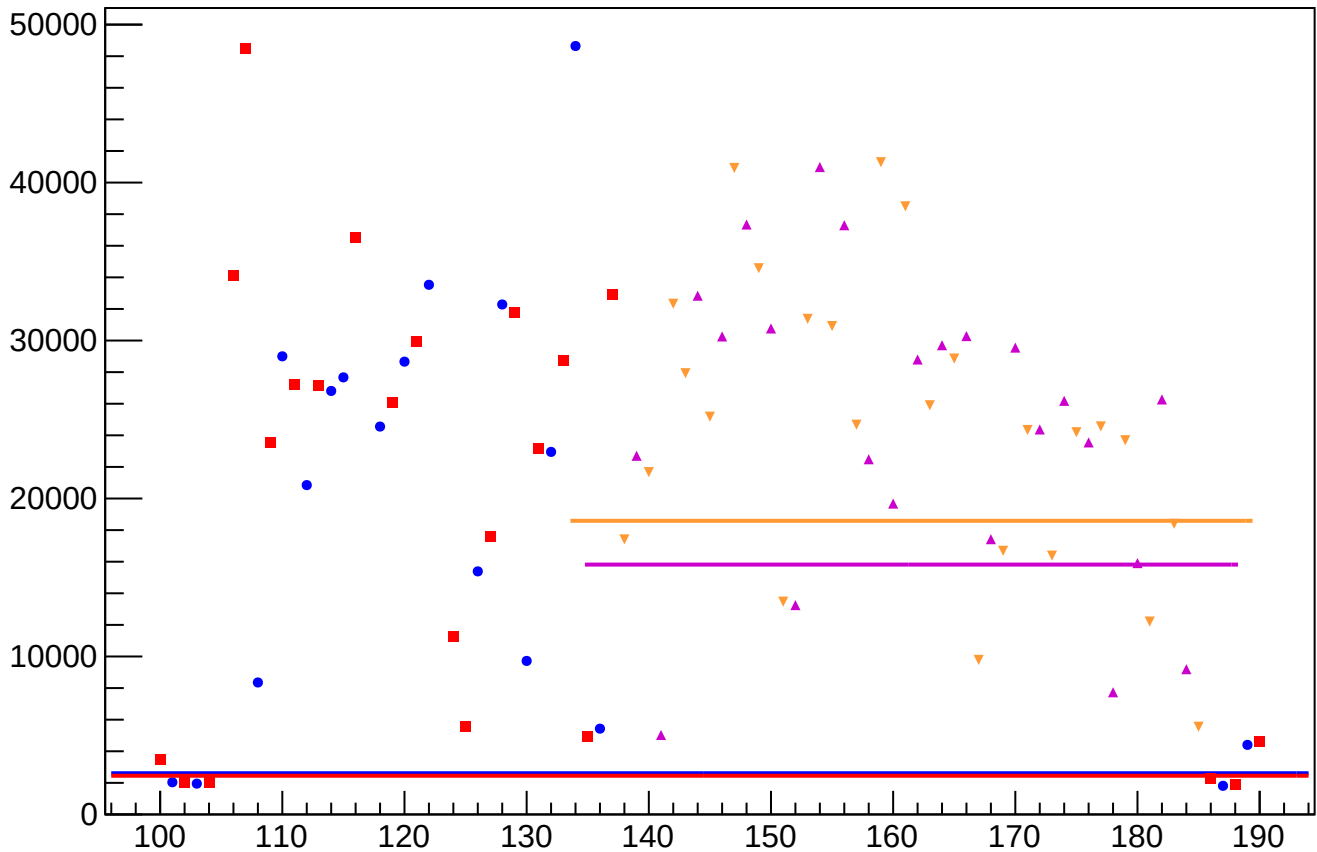
Left In: -19.822 $\pm$ 4.846 χ^2/NDF : 40.3/22

+ sign -12.317 $\pm$ 1.555 χ^2/NDF : 89.0/42

All: -19.411 $\pm$ 1.016 χ^2/NDF : 751.4/87

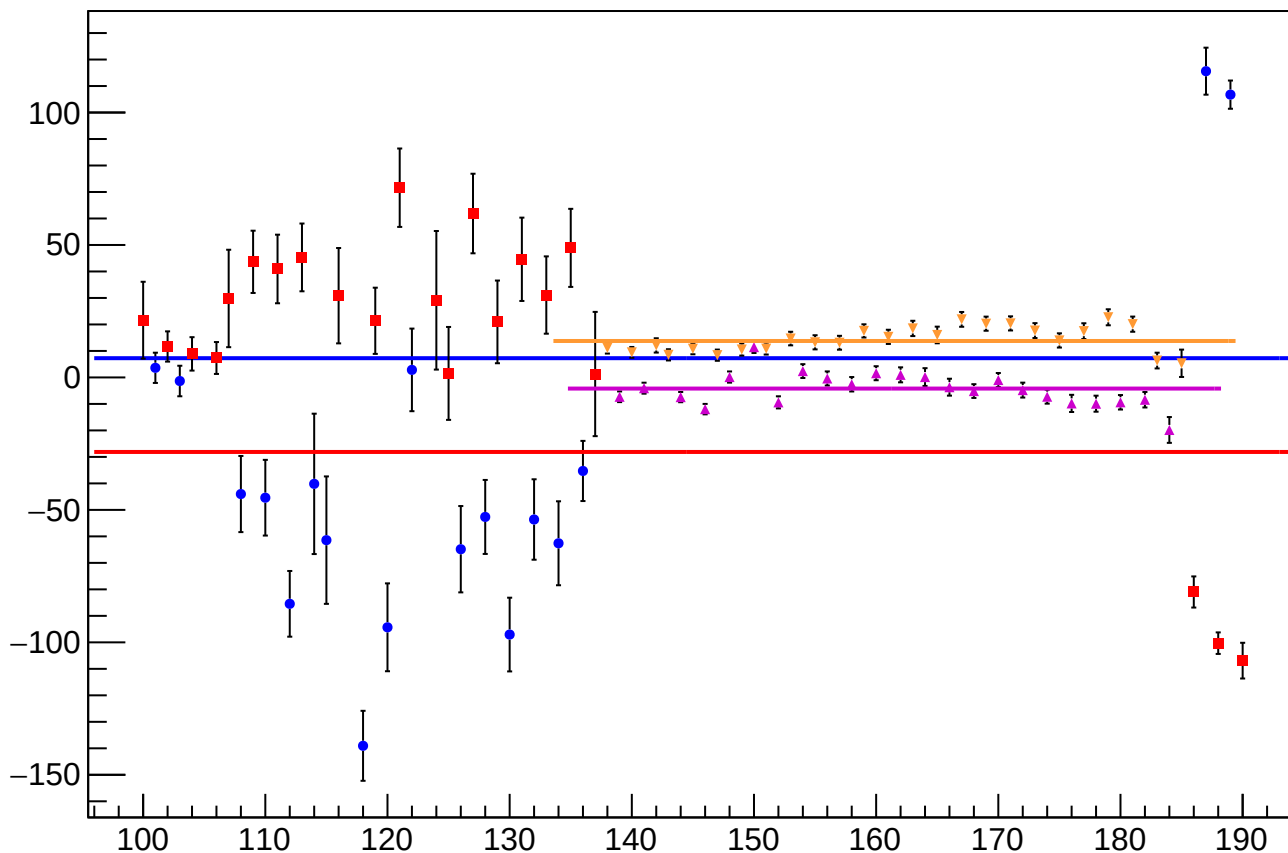
- sign -24.704 $\pm$ 1.343 χ^2/NDF : 626.1/44

diff_bpm0l03Y_rms vs Slug



Right In: 2608.721+/-1.154	χ^2/NDF : 6876910.4/17	+ sign 4083.945+/-1.099	χ^2/NDF : 30283156.2/42
Left Out: 18589.195+/-3.618	χ^2/NDF : 5698567.3/24	All: 3736.549+/-0.719	χ^2/NDF : 61110223.1/8
Right Out: 2450.597+/-0.988	χ^2/NDF : 8195030.6/21	- sign 3477.321+/-0.950	χ^2/NDF : 30652675.9/44
Left In: 15817.655+/-3.426	χ^2/NDF : 8406830.8/22		

diff_bpm0l04X_mean vs Slug



Right In: 7.266 ± 2.413 χ^2/NDF : 898.3/17

Left Out: 13.761 ± 0.514 χ^2/NDF : 77.2/24

Right Out: -28.131 ± 1.945 χ^2/NDF : 963.2/21

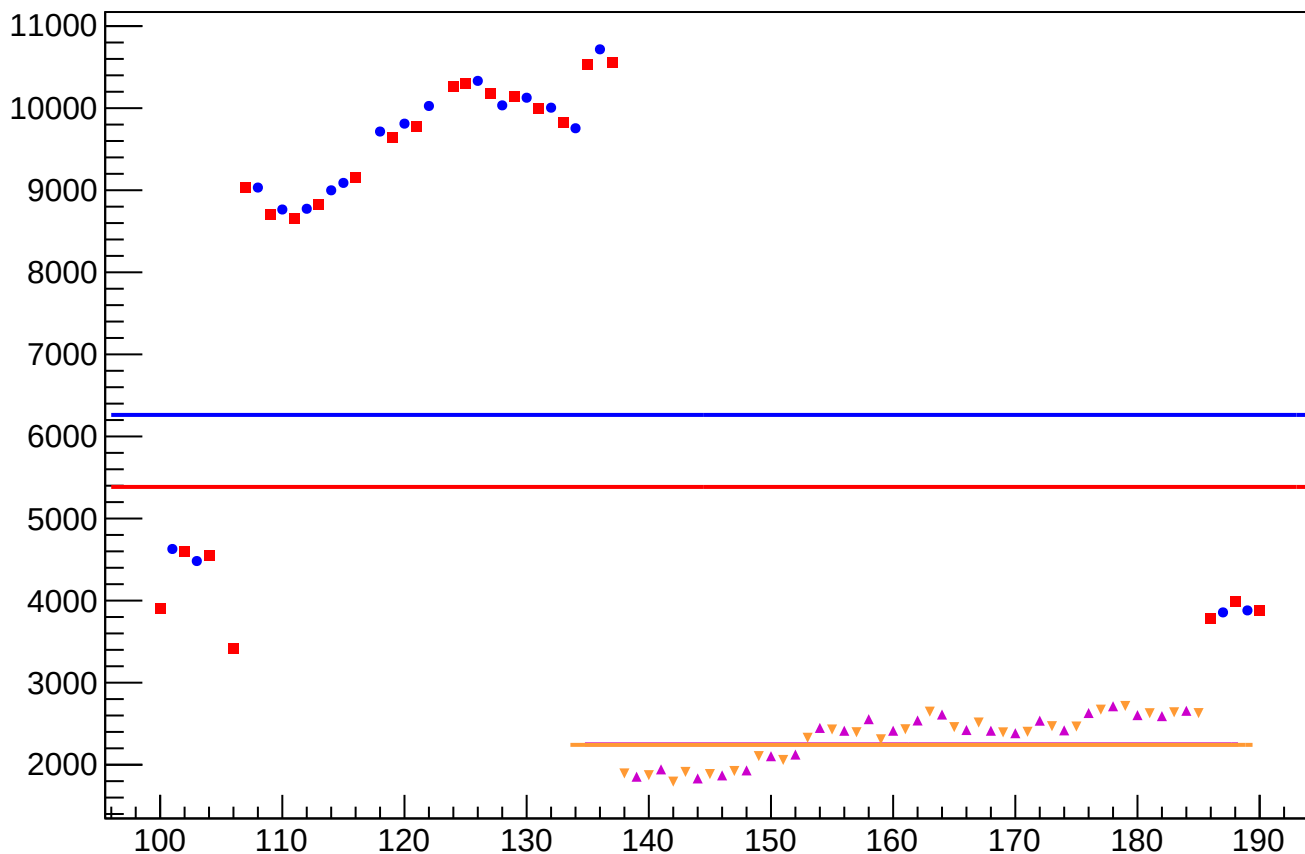
Left In: -4.202 ± 0.530 χ^2/NDF : 123.9/22

+ sign 13.479 ± 0.503 χ^2/NDF : 982.5/42

All: 3.976 ± 0.359 χ^2/NDF : 2937.6/87

- sign -5.857 ± 0.511 χ^2/NDF : 1228.1/44

diff_bpm0l04X_rms vs Slug



Right In: 6262.489+/-1.706 χ^2/NDF : 2464949.1/17

Left Out: 2242.334+/-0.363 χ^2/NDF : 657865.5/24

Right Out: 5385.053+/-1.375 χ^2/NDF : 3114883.8/21

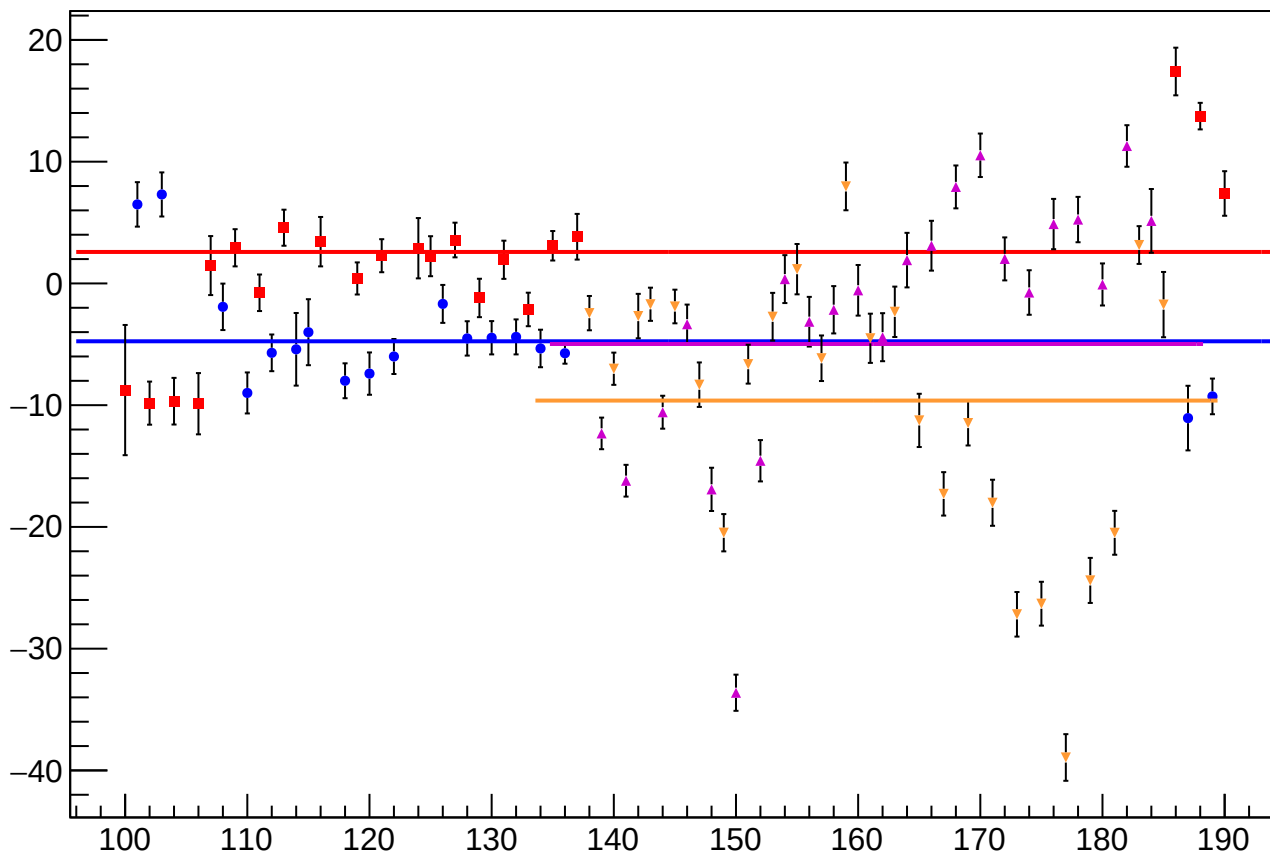
Left In: 2248.582+/-0.375 χ^2/NDF : 642255.3/22

+ sign 2416.868+/-0.355 χ^2/NDF : 8434345.4/42

All: 2440.764+/-0.254 χ^2/NDF : 17043447.6/8

- sign 2465.493+/-0.362 χ^2/NDF : 8599907.1/44

diff_bpm0l04Y_mean vs Slug



Right In: -4.753 ± 0.364 $\chi^2/\text{NDF}: 120.2/17$

Left Out: -9.622 ± 0.349 $\chi^2/\text{NDF}: 934.3/24$

Right Out: 2.585 ± 0.346 $\chi^2/\text{NDF}: 316.9/21$

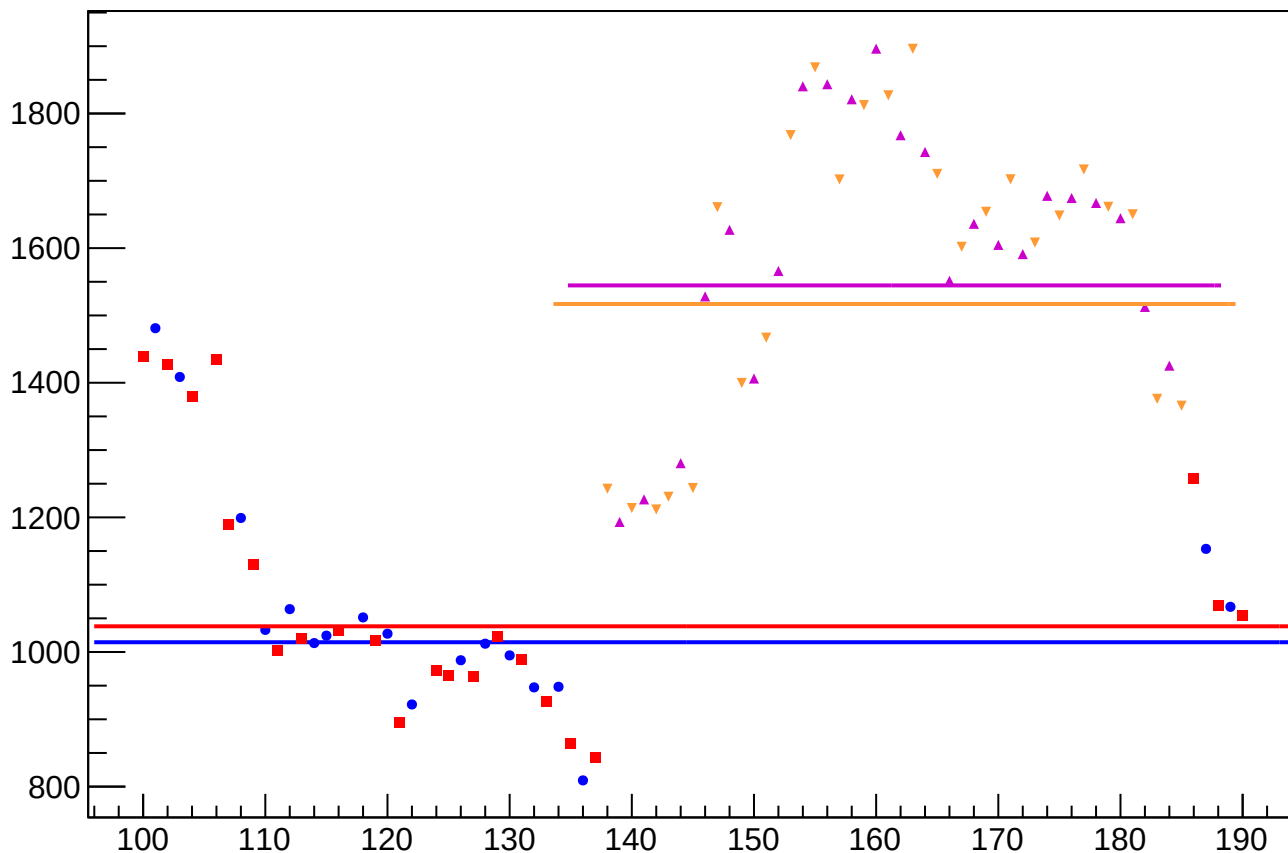
Left In: -4.974 ± 0.365 $\chi^2/\text{NDF}: 929.8/22$

+ sign -7.290 ± 0.252 $\chi^2/\text{NDF}: 1147.7/42$

All: -4.126 ± 0.178 $\chi^2/\text{NDF}: 2934.6/87$

- sign -0.992 ± 0.251 $\chi^2/\text{NDF}: 1473.1/44$

diff_bpm0l04Y_rms vs Slug



Right In: 1014.492 $\pm$ 0.257 χ^2 /NDF: 387444.2/17

Left Out: 1517.008 $\pm$ 0.247 χ^2 /NDF: 832983.9/24

Right Out: 1038.164 $\pm$ 0.244 χ^2 /NDF: 375268.1/21

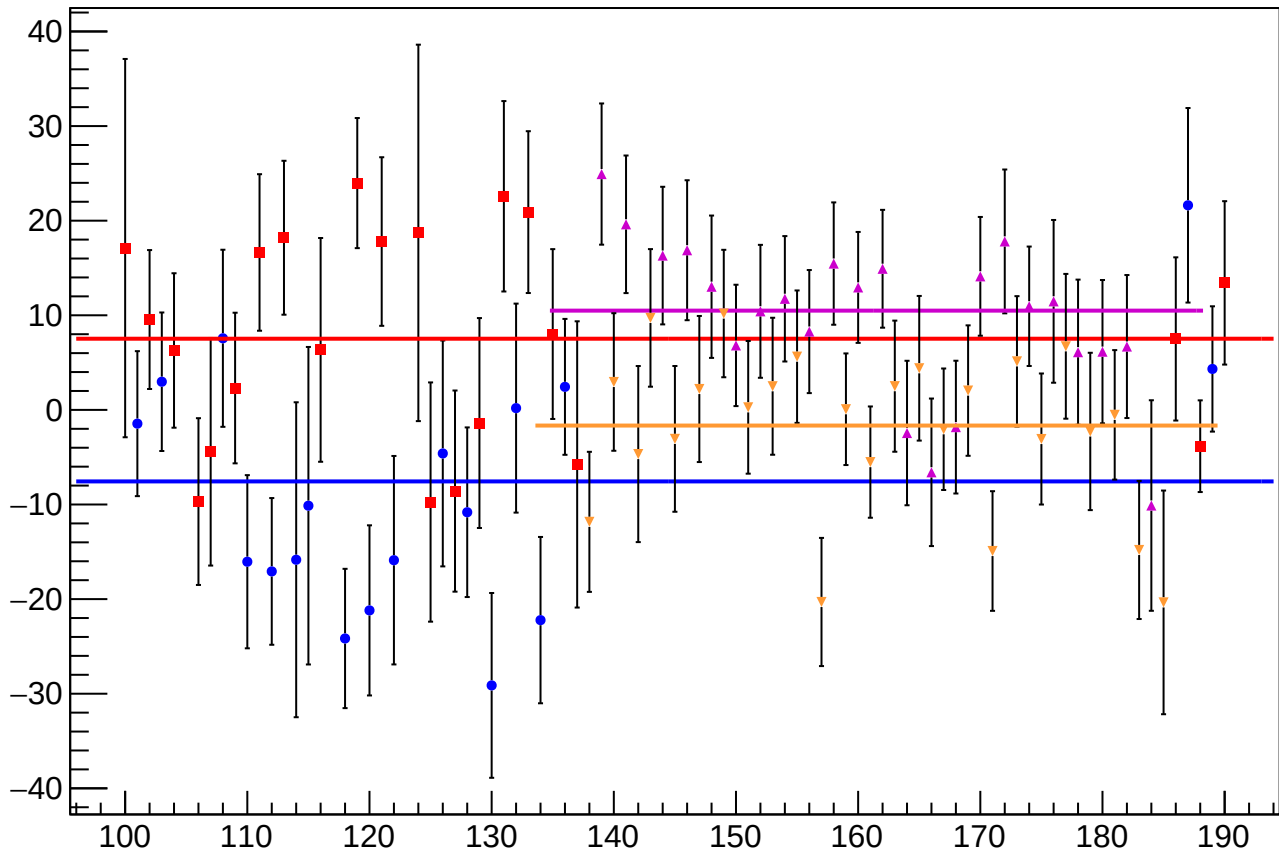
Left In: 1544.620 $\pm$ 0.258 χ^2 /NDF: 638659.4/22

+ sign 1276.322 $\pm$ 0.178 χ^2 /NDF: 3205258.3/42

All: 1277.072 $\pm$ 0.126 χ^2 /NDF: 6252039.6/87

- sign 1277.815 $\pm$ 0.177 χ^2 /NDF: 3046746.0/44

diff_bpm0l05X_mean vs Slug



Right In: -7.560 ± 2.110 χ^2/NDF : 37.5/17

Left Out: -1.655 ± 1.426 χ^2/NDF : 31.5/24

Right Out: 7.523 ± 1.897 χ^2/NDF : 32.1/21

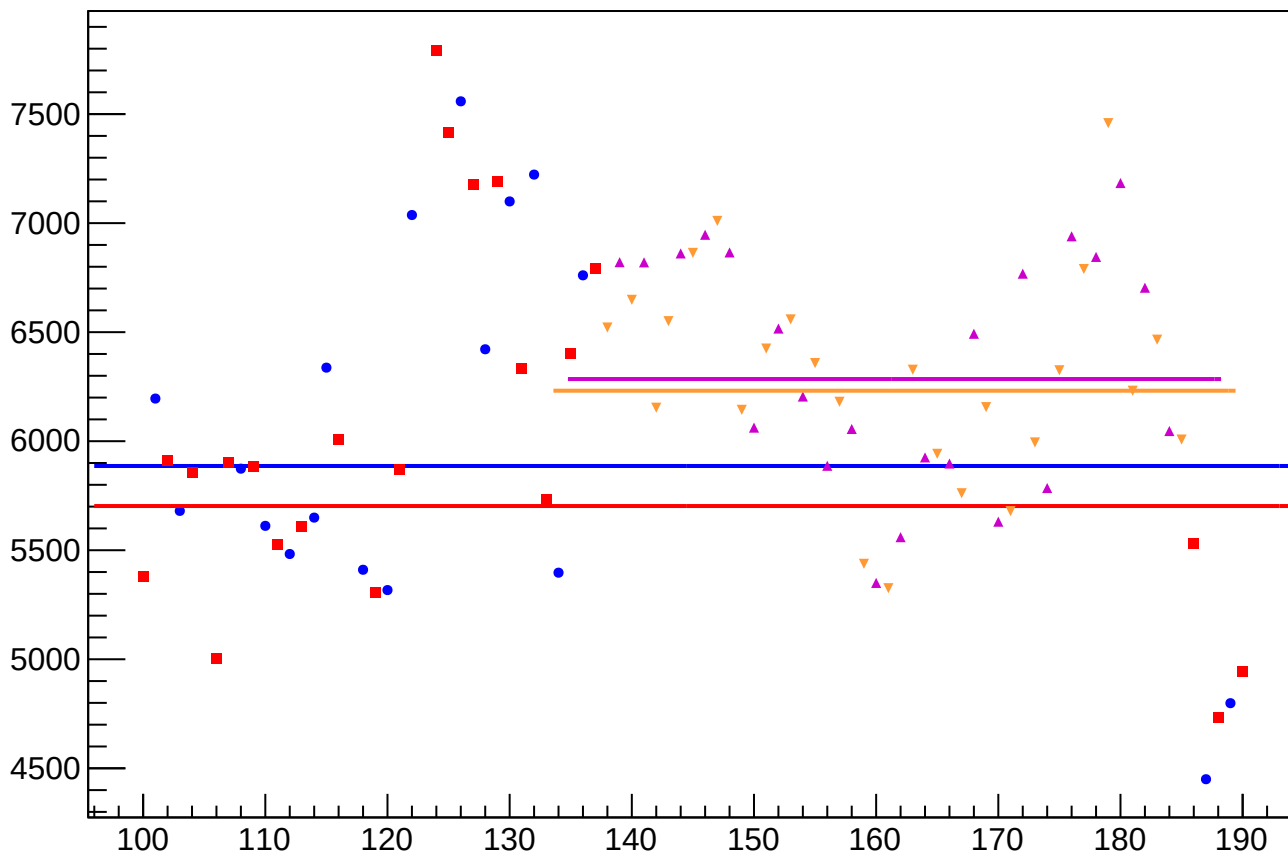
Left In: 10.492 ± 1.480 χ^2/NDF : 24.9/22

+ sign -3.507 ± 1.182 χ^2/NDF : 74.3/42

All: 3.012 ± 0.830 χ^2/NDF : 193.0/87

- sign 9.370 ± 1.167 χ^2/NDF : 58.6/44

diff_bpm0l05X_rms vs Slug



Right In: 5886.318 $\pm$ 1.492 χ^2 /NDF: 287424.0/17

Left Out: 6231.572 $\pm$ 1.009 χ^2 /NDF: 226959.2/24

Right Out: 5702.681 $\pm$ 1.342 χ^2 /NDF: 286682.4/21

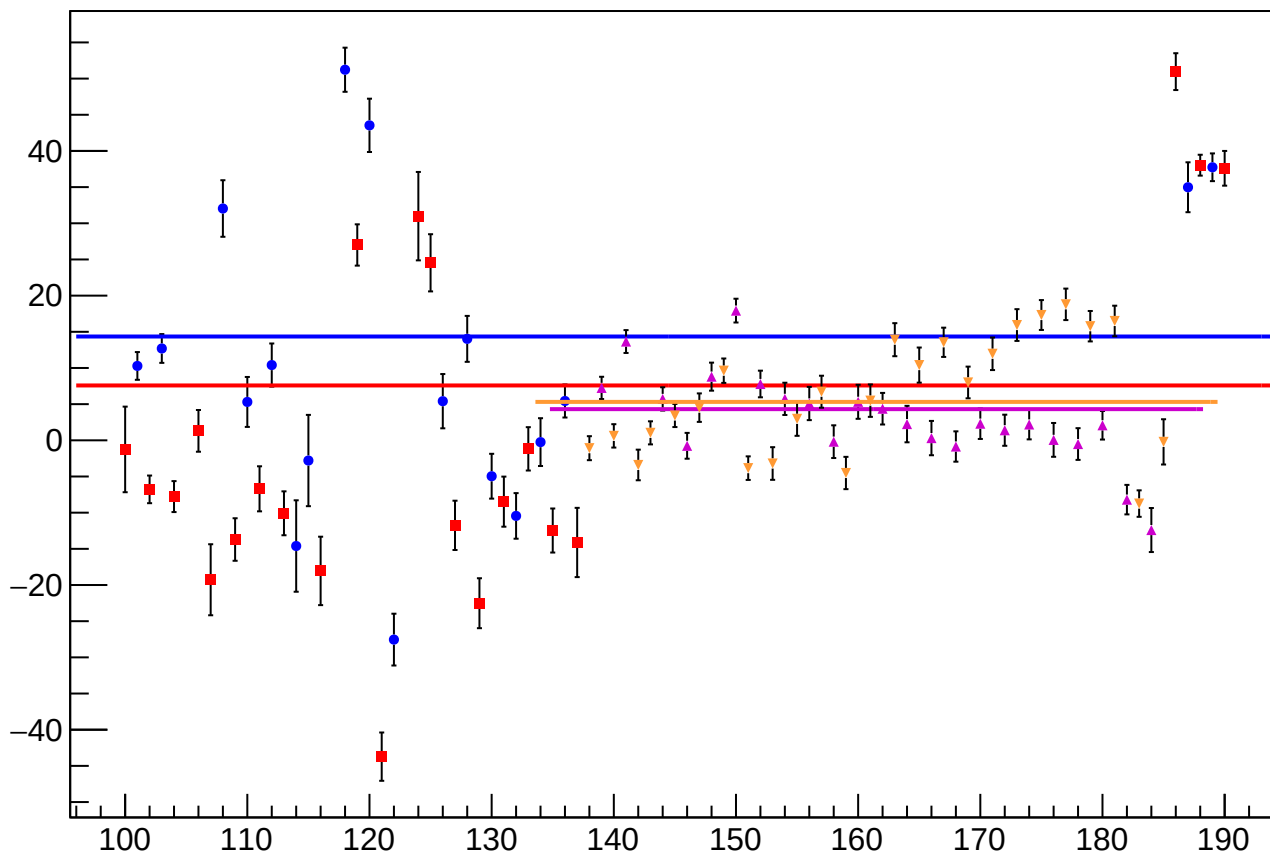
Left In: 6285.058 $\pm$ 1.046 χ^2 /NDF: 265370.2/22

+ sign 6123.288 $\pm$ 0.836 χ^2 /NDF: 551138.0/42

All: 6093.684 $\pm$ 0.587 χ^2 /NDF: 1222828.2/87

- sign 6064.816 $\pm$ 0.825 χ^2 /NDF: 669210.7/44

diff_bpm0l05Y_mean vs Slug



Right In: 14.350 $\pm$ 0.688 χ^2 /NDF: 734.5/17

Left Out: 5.313 $\pm$ 0.400 χ^2 /NDF: 378.1/24

Right Out: 7.584 $\pm$ 0.610 χ^2 /NDF: 1692.4/21

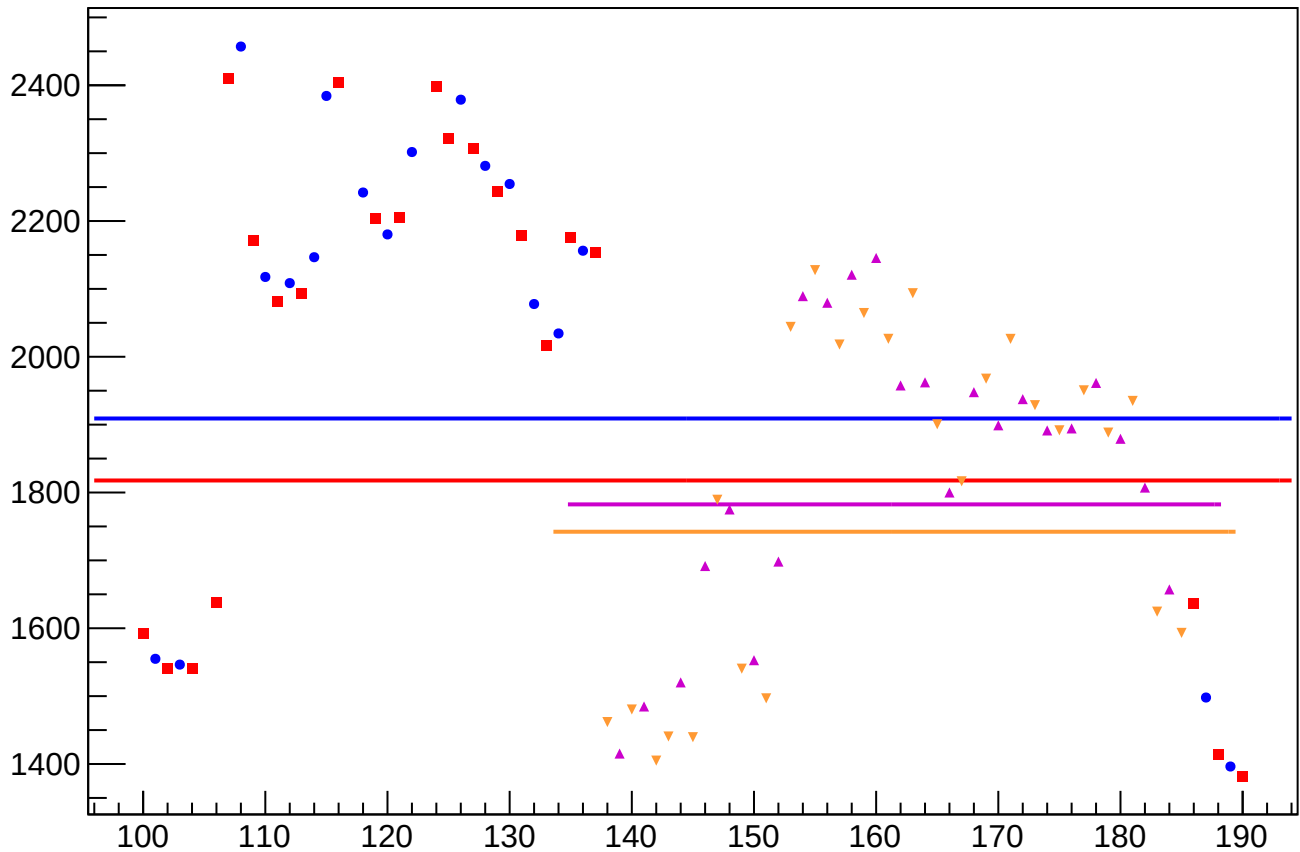
Left In: 4.310 $\pm$ 0.420 χ^2 /NDF: 220.4/22

+ sign 7.597 $\pm$ 0.346 χ^2 /NDF: 1241.4/42

All: 6.480 $\pm$ 0.245 χ^2 /NDF: 3194.6/87

- sign 5.362 $\pm$ 0.346 χ^2 /NDF: 1932.3/44

diff_bpm0l05Y_rms vs Slug



Right In: 1909.055 $\pm$ 0.487 χ^2 /NDF: 550496.6/17

Left Out: 1742.217 $\pm$ 0.283 χ^2 /NDF: 767663.9/24

Right Out: 1817.725 $\pm$ 0.432 χ^2 /NDF: 693261.6/21

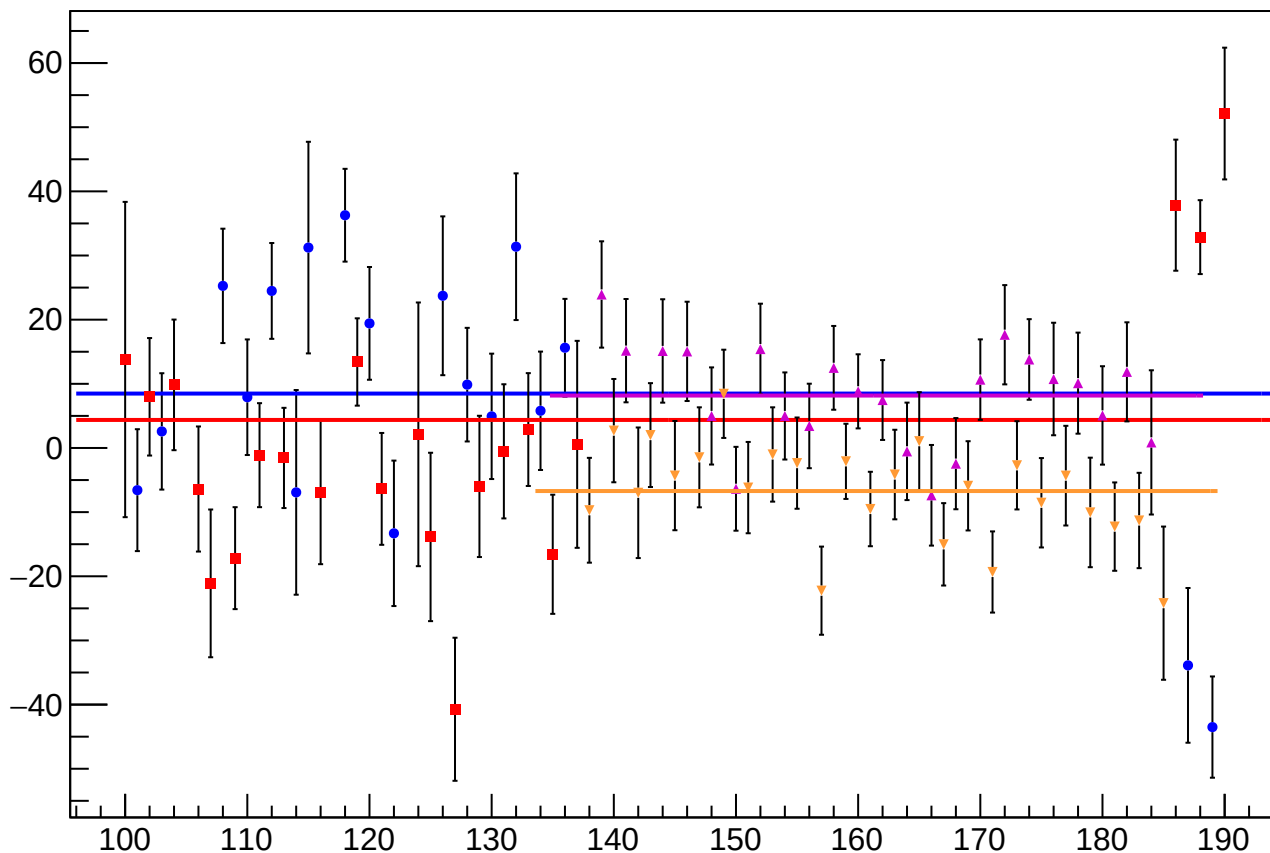
Left In: 1782.502 $\pm$ 0.297 χ^2 /NDF: 534374.9/22

+ sign 1784.395 $\pm$ 0.245 χ^2 /NDF: 1405966.7/42

All: 1789.109 $\pm$ 0.173 χ^2 /NDF: 2638864.2/87

- sign 1793.823 $\pm$ 0.245 χ^2 /NDF: 1232155.4/44

diff_bpm0l06X_mean vs Slug



Right In: 8.480 ± 2.220 $\chi^2/\text{NDF}: 96.3/17$

Left Out: -6.713 ± 1.458 $\chi^2/\text{NDF}: 25.7/24$

Right Out: 4.369 ± 2.030 $\chi^2/\text{NDF}: 100.8/21$

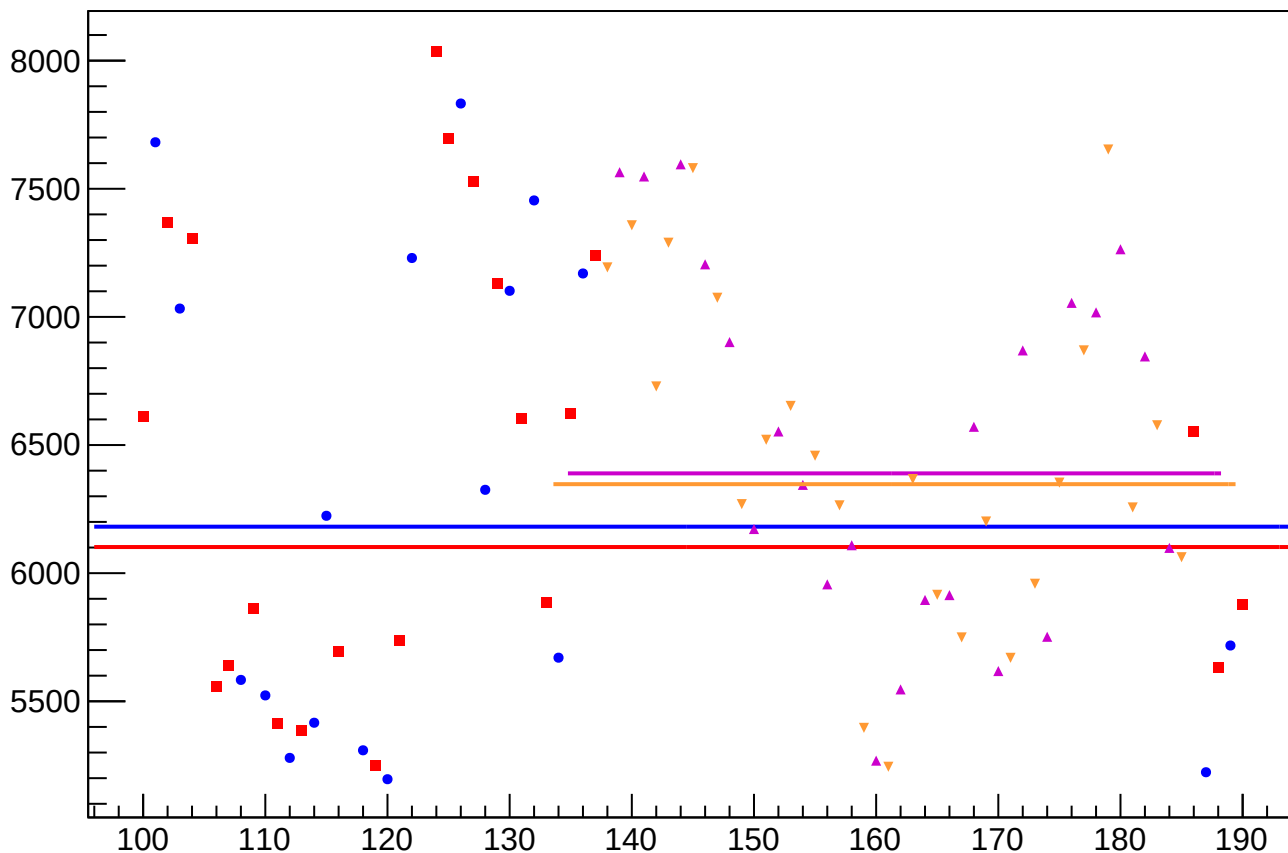
Left In: 8.171 ± 1.510 $\chi^2/\text{NDF}: 24.2/22$

+ sign -2.137 ± 1.219 $\chi^2/\text{NDF}: 154.7/42$

All: 2.366 ± 0.859 $\chi^2/\text{NDF}: 309.1/87$

- sign 6.817 ± 1.212 $\chi^2/\text{NDF}: 127.2/44$

diff_bpm0l06X_rms vs Slug



Right In: 6181.406+/-1.570 χ^2/NDF : 330328.2/17

Left Out: 6347.287+/-1.031 χ^2/NDF : 386025.6/24

Right Out: 6101.989+/-1.436 χ^2/NDF : 284764.8/21

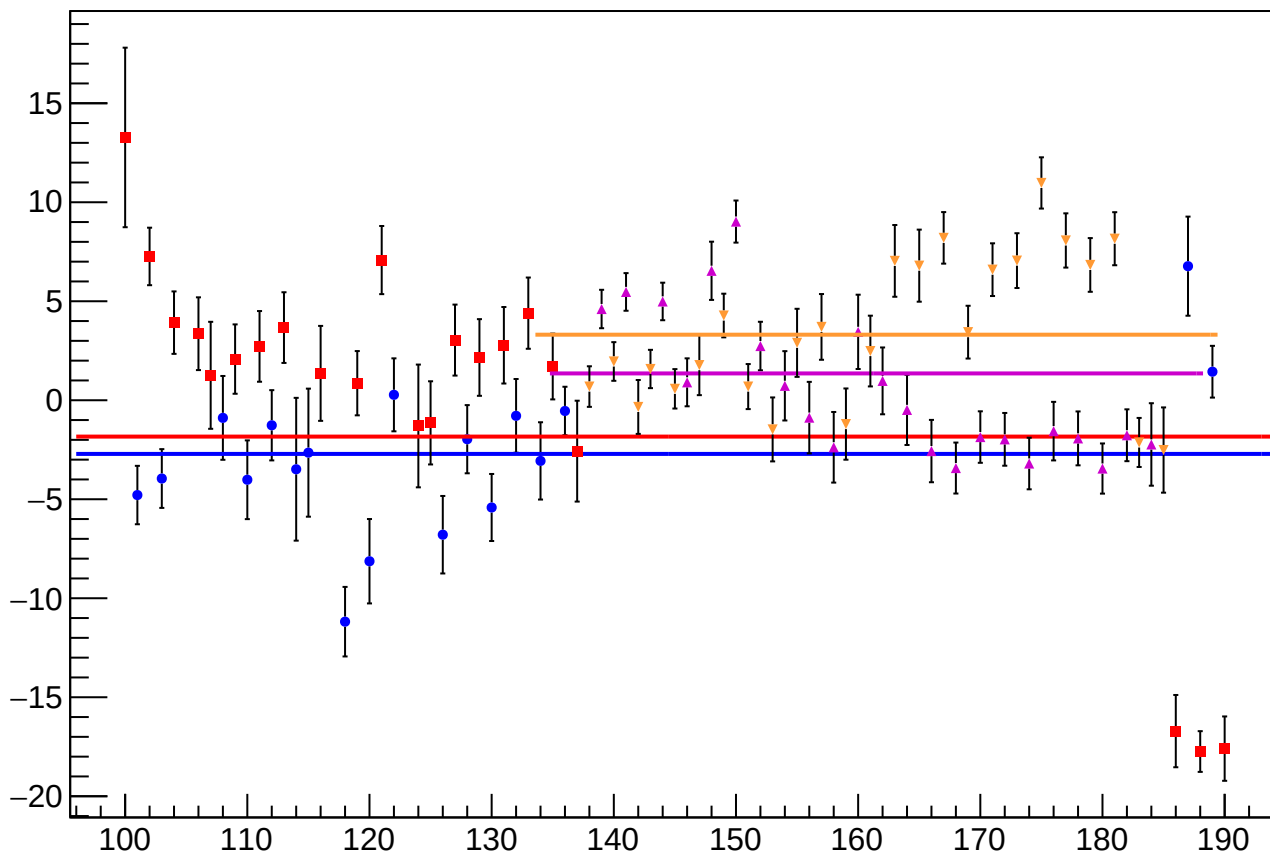
Left In: 6389.425+/-1.068 χ^2/NDF : 419756.4/22

+ sign 6297.322+/-0.862 χ^2/NDF : 724154.2/42

All: 6292.156+/-0.608 χ^2/NDF : 1454559.8/87

- sign 6287.050+/-0.857 χ^2/NDF : 730334.1/44

diff_bpm0l06Y_mean vs Slug



Right In: -2.710 ± 0.421 χ^2/NDF : 72.7/17

Left Out: 3.311 ± 0.264 χ^2/NDF : 177.9/24

Right Out: -1.835 ± 0.383 χ^2/NDF : 559.2/21

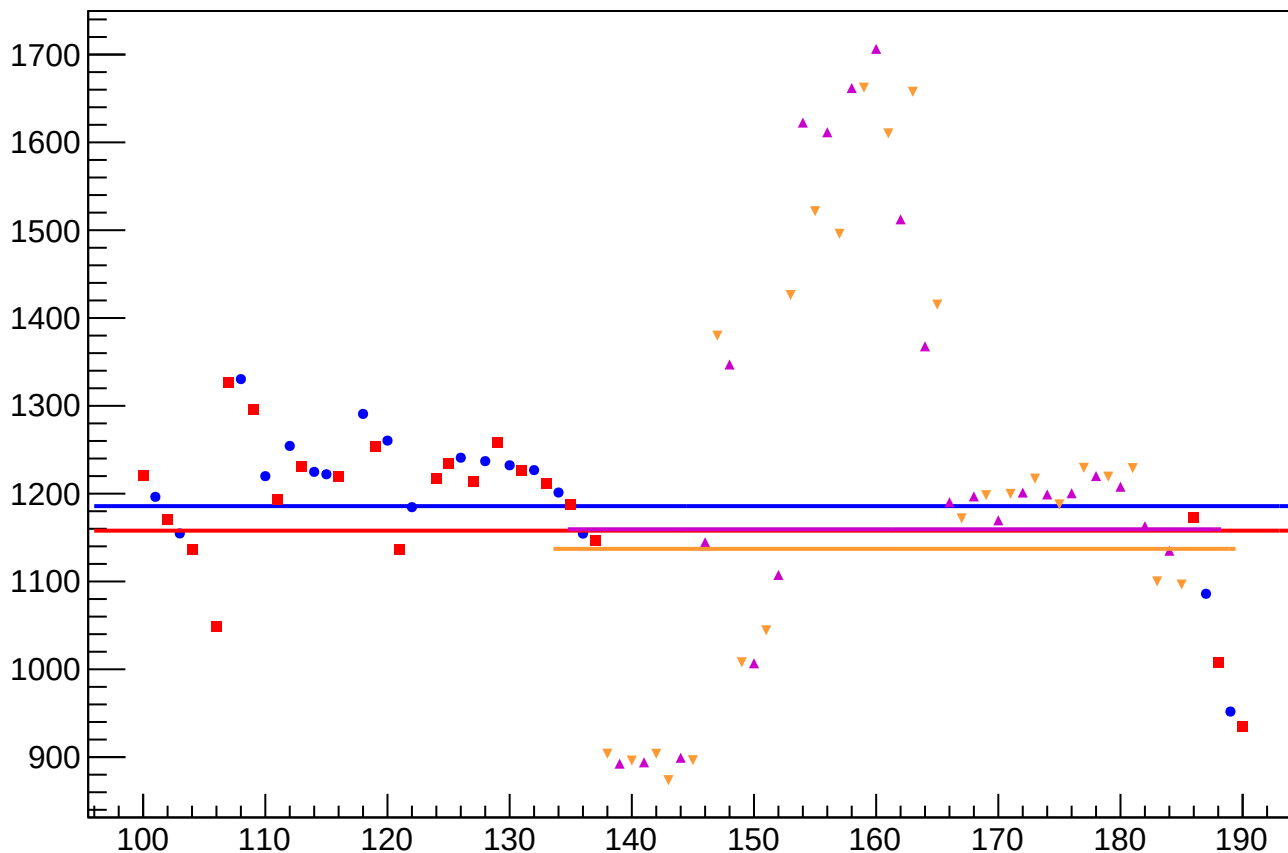
Left In: 1.355 ± 0.277 χ^2/NDF : 196.3/22

+ sign 1.610 ± 0.224 χ^2/NDF : 397.1/42

All: 0.935 ± 0.158 χ^2/NDF : 1216.4/87

- sign 0.260 ± 0.224 χ^2/NDF : 801.1/44

diff_bpm0l06Y_rms vs Slug



Right In: 1185.804 $\pm$ 0.298 χ^2 /NDF: 98505.6/17

Left Out: 1137.150 $\pm$ 0.187 χ^2 /NDF: 1469686.1/24

Right Out: 1157.875 $\pm$ 0.271 χ^2 /NDF: 136804.2/21

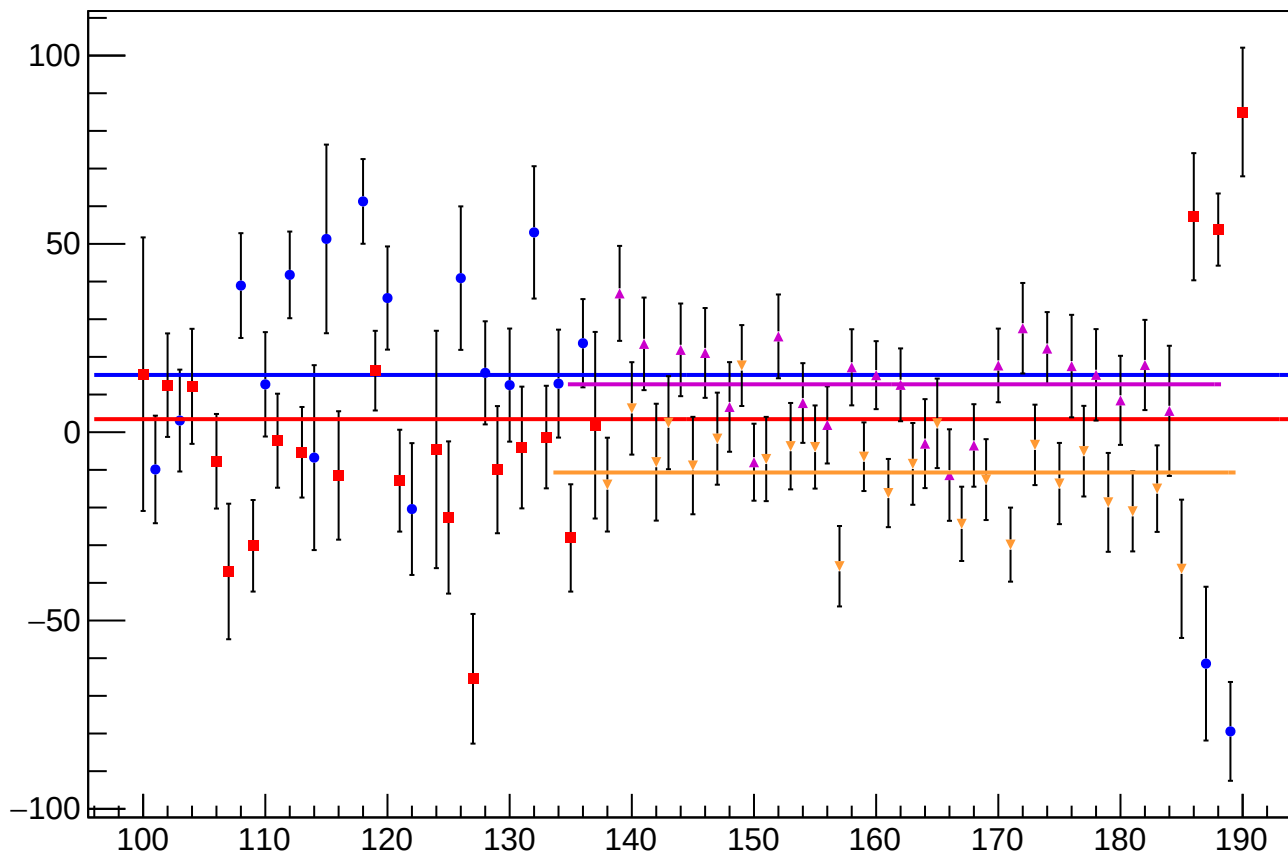
Left In: 1159.432 $\pm$ 0.196 χ^2 /NDF: 1259793.6/22

+ sign 1150.896 $\pm$ 0.158 χ^2 /NDF: 1587318.8/42

All: 1154.893 $\pm$ 0.112 χ^2 /NDF: 2985213.3/87

- sign 1158.897 $\pm$ 0.159 χ^2 /NDF: 1396619.5/44

diff_bpm0l07X_mean vs Slug



Right In: 15.204 ± 3.447 $\chi^2/\text{NDF}: 111.3/17$

Left Out: -10.696 ± 2.257 $\chi^2/\text{NDF}: 28.7/24$

Right Out: 3.466 ± 3.136 $\chi^2/\text{NDF}: 103.0/21$

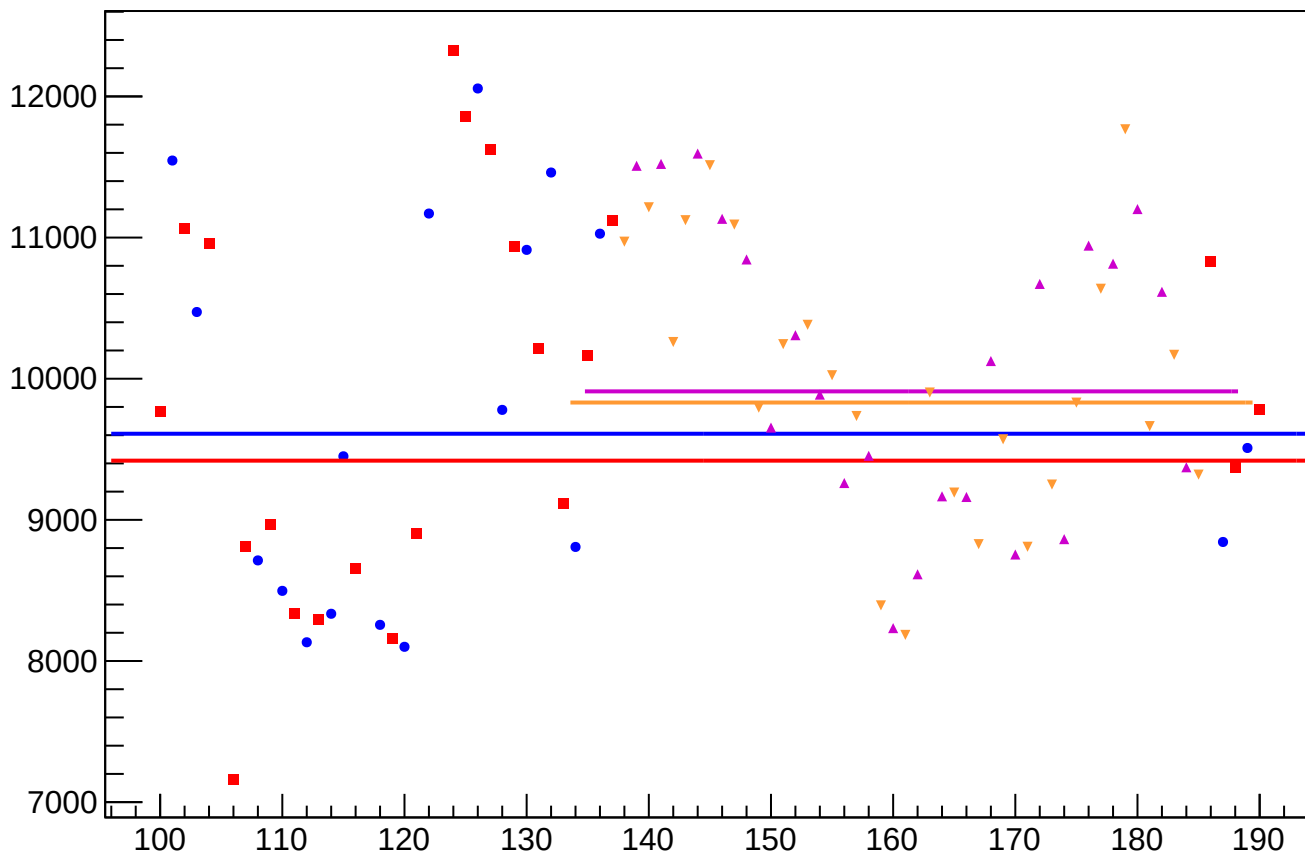
Left In: 12.719 ± 2.341 $\chi^2/\text{NDF}: 24.0/22$

+ sign -2.922 ± 1.888 $\chi^2/\text{NDF}: 179.6/42$

All: 3.284 ± 1.331 $\chi^2/\text{NDF}: 333.7/87$

- sign 9.409 ± 1.876 $\chi^2/\text{NDF}: 132.6/44$

diff_bpm0l07X_rms vs Slug



Right In: 9610.147 $\pm$ 2.437 χ^2 /NDF: 282752.4/17

Left Out: 9831.301 $\pm$ 1.596 χ^2 /NDF: 356125.1/24

Right Out: 9419.464 $\pm$ 2.218 χ^2 /NDF: 317387.2/21

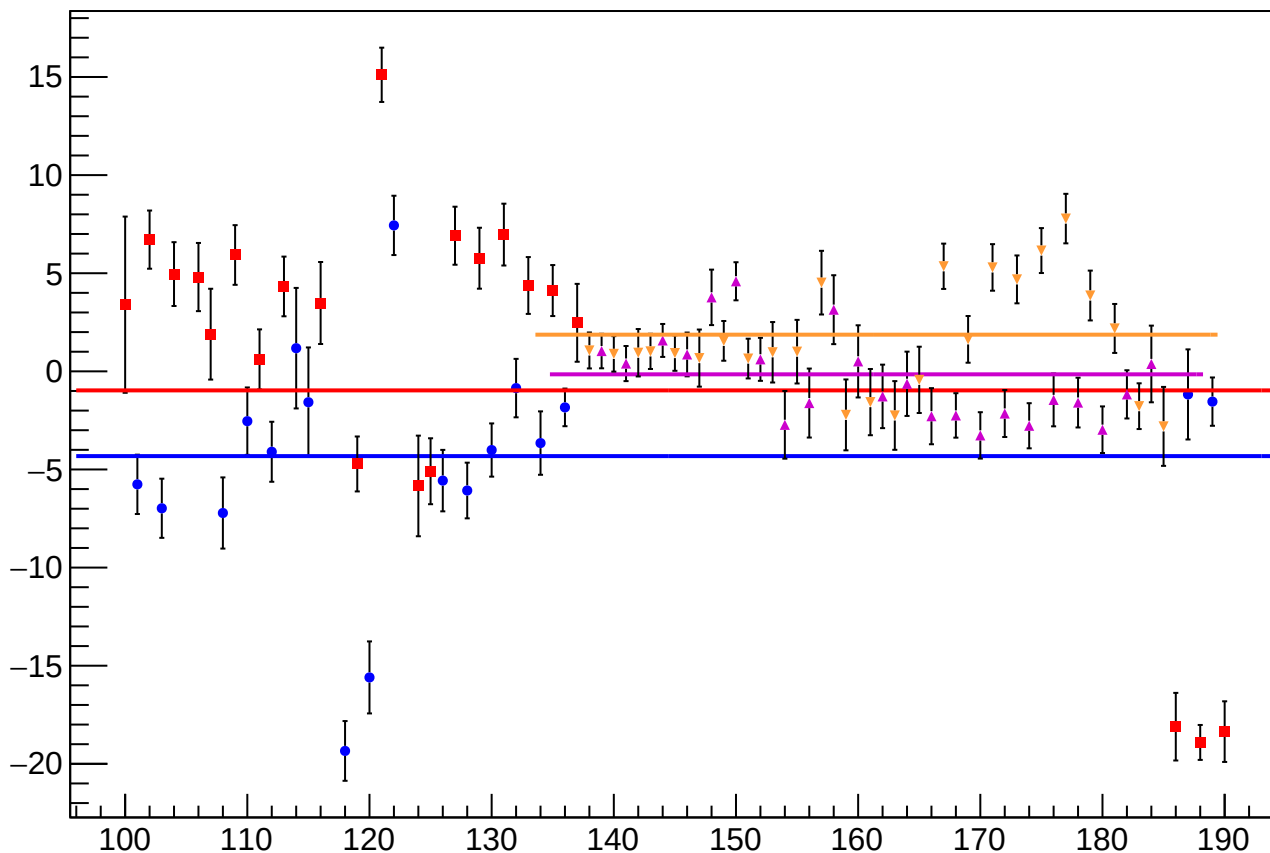
Left In: 9910.300 $\pm$ 1.655 χ^2 /NDF: 389368.1/22

+ sign 9764.916 $\pm$ 1.335 χ^2 /NDF: 644640.4/42

All: 9749.702 $\pm$ 0.941 χ^2 /NDF: 1383114.3/87

- sign 9734.687 $\pm$ 1.326 χ^2 /NDF: 738216.0/44

diff_bpm0l07Y_mean vs Slug



Right In: -4.319 ± 0.363 χ^2/NDF : 229.0/17

Left Out: 1.869 ± 0.243 χ^2/NDF : 103.2/24

Right Out: -0.971 ± 0.332 χ^2/NDF : 980.4/21

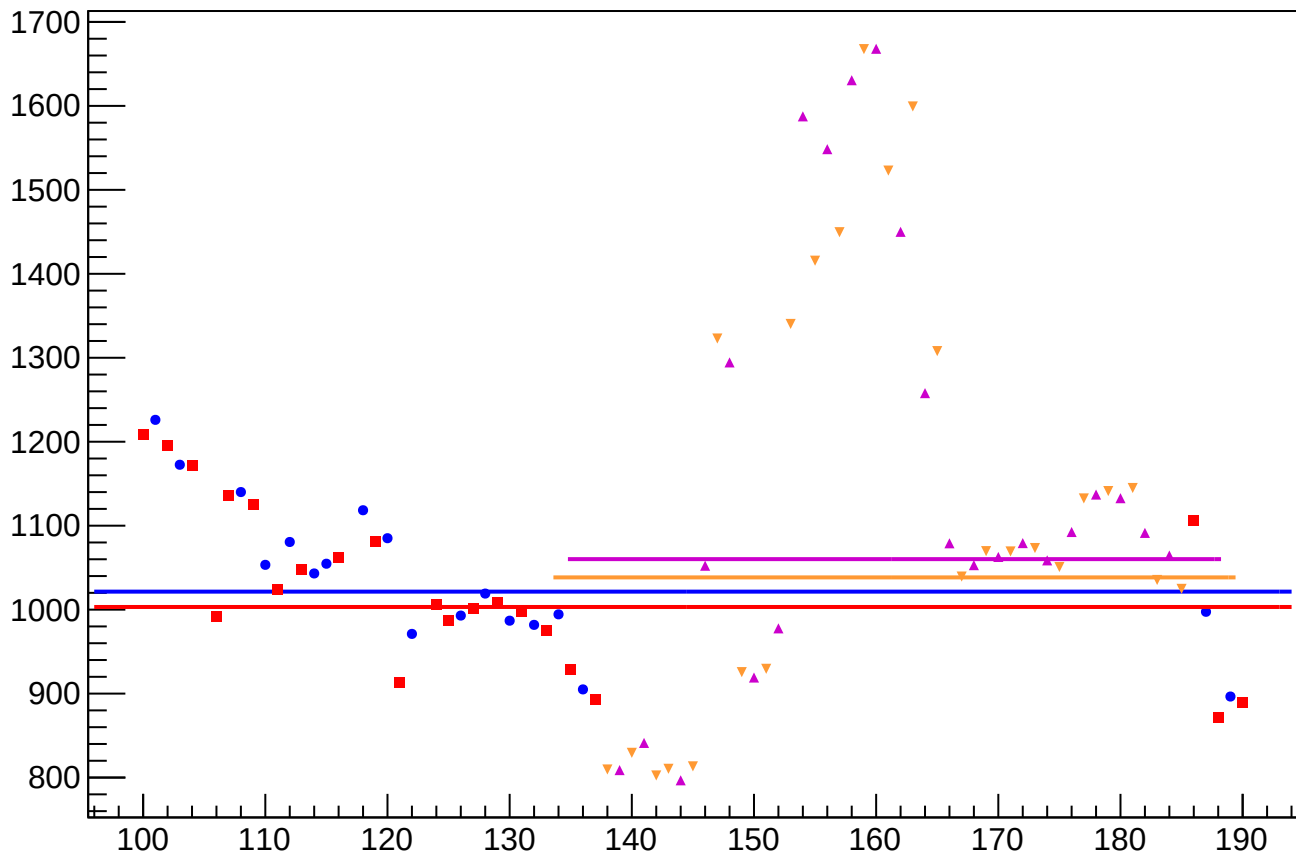
Left In: -0.152 ± 0.254 χ^2/NDF : 75.7/22

+ sign -0.039 ± 0.202 χ^2/NDF : 532.7/42

All: -0.247 ± 0.143 χ^2/NDF : 1594.7/87

- sign -0.455 ± 0.202 χ^2/NDF : 1059.9/44

diff_bpm0l07Y_rms vs Slug



Right In: 1021.452 $\pm$ 0.257 χ^2 /NDF: 136357.6/17

Left Out: 1038.406 $\pm$ 0.172 χ^2 /NDF: 1706682.8/24

Right Out: 1003.172 $\pm$ 0.235 χ^2 /NDF: 172427.5/21

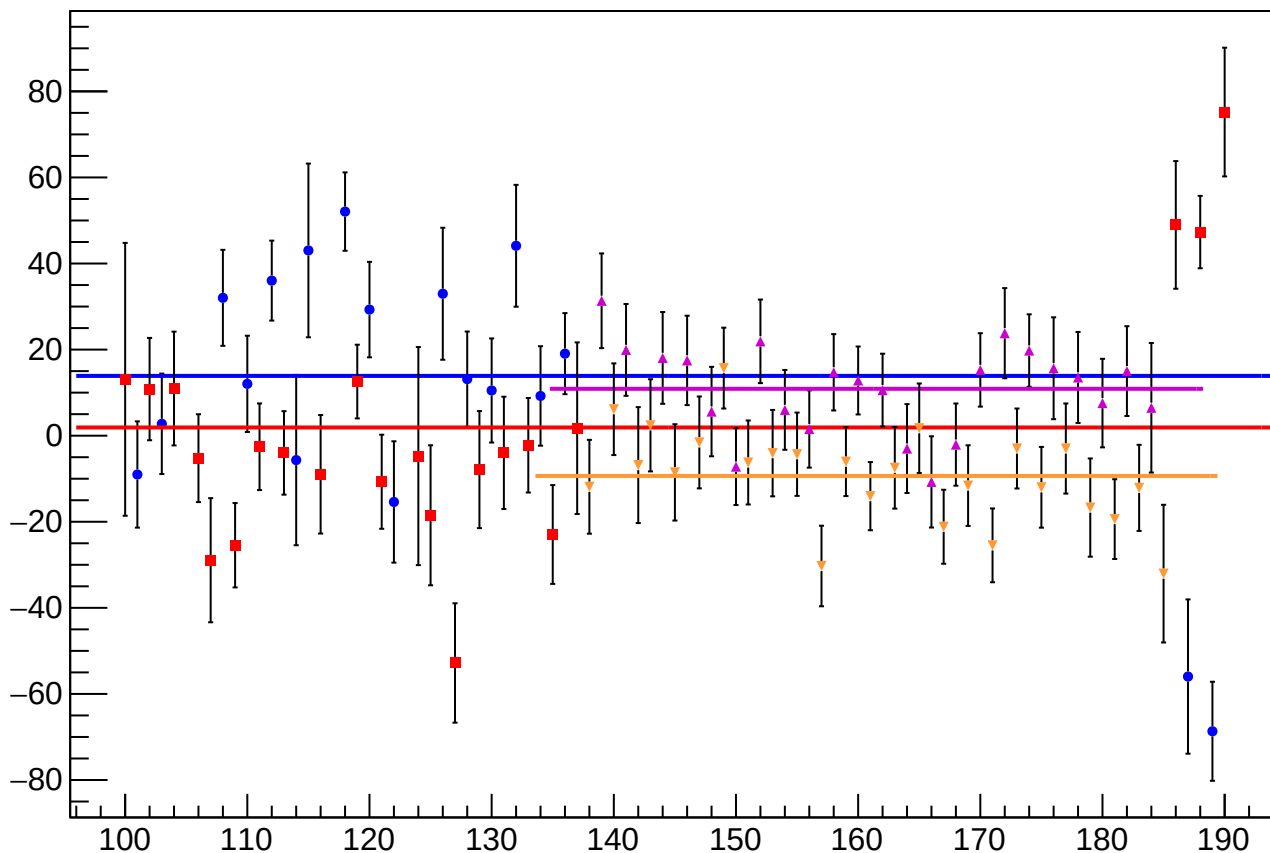
Left In: 1060.162 $\pm$ 0.180 χ^2 /NDF: 1523219.9/22

+ sign 1033.180 $\pm$ 0.143 χ^2 /NDF: 1846050.4/42

All: 1036.120 $\pm$ 0.101 χ^2 /NDF: 3579680.3/87

- sign 1039.064 $\pm$ 0.143 χ^2 /NDF: 1732780.3/44

diff_bpm0l08X_mean vs Slug



Right In: 13.892 ± 2.823 $\chi^2/\text{NDF}: 112.9/17$

Left Out: -9.355 ± 1.969 $\chi^2/\text{NDF}: 28.5/24$

Right Out: 1.908 ± 2.584 $\chi^2/\text{NDF}: 104.1/21$

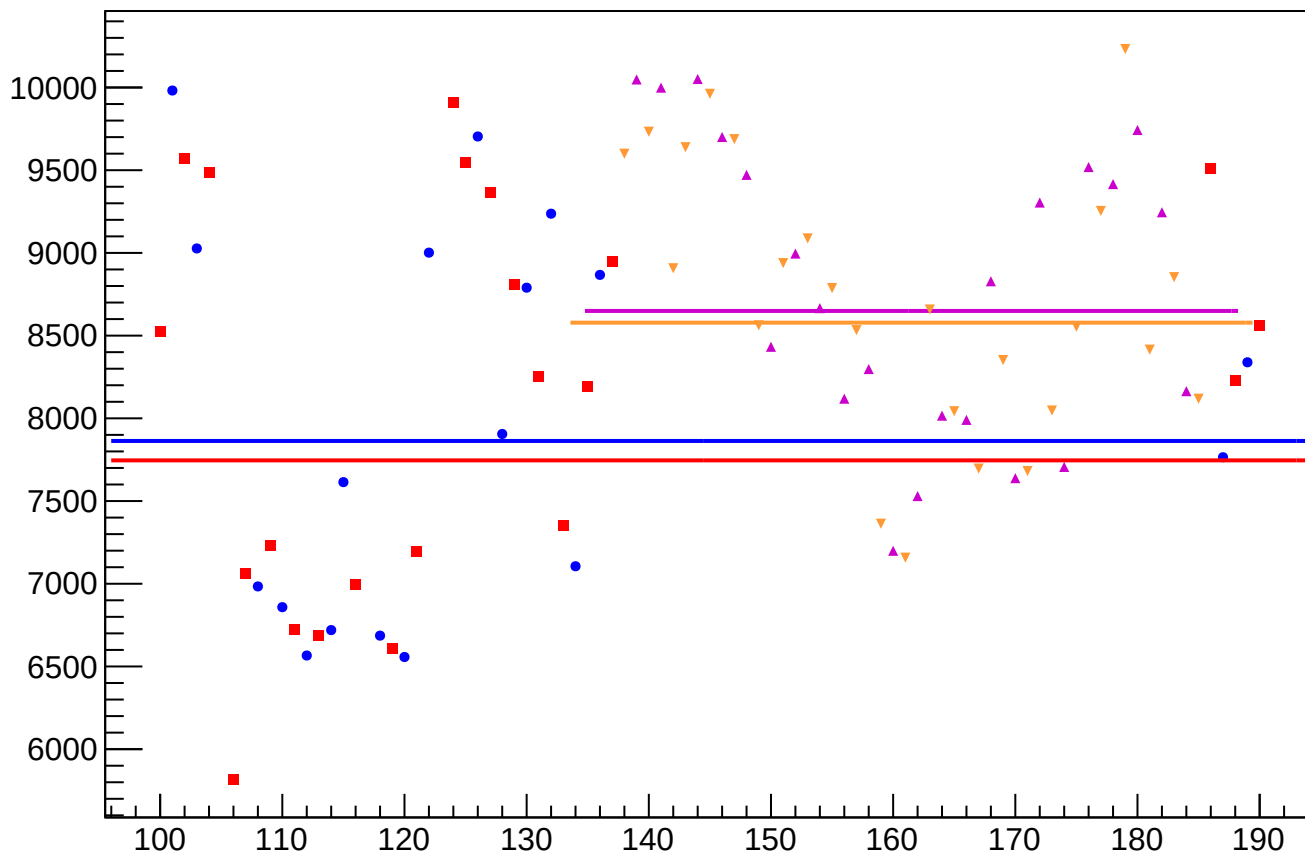
Left In: 10.892 ± 2.043 $\chi^2/\text{NDF}: 23.6/22$

+ sign -1.748 ± 1.615 $\chi^2/\text{NDF}: 187.1/42$

All: 2.881 ± 1.138 $\chi^2/\text{NDF}: 338.4/87$

- sign 7.437 ± 1.602 $\chi^2/\text{NDF}: 135.1/44$

diff_bpm0l08X_rms vs Slug



Right In: 7863.255 ± 1.997 χ^2/NDF : 321755.6/17

Left Out: 8578.396 ± 1.392 χ^2/NDF : 343721.1/24

Right Out: 7745.846 ± 1.827 χ^2/NDF : 390632.8/21

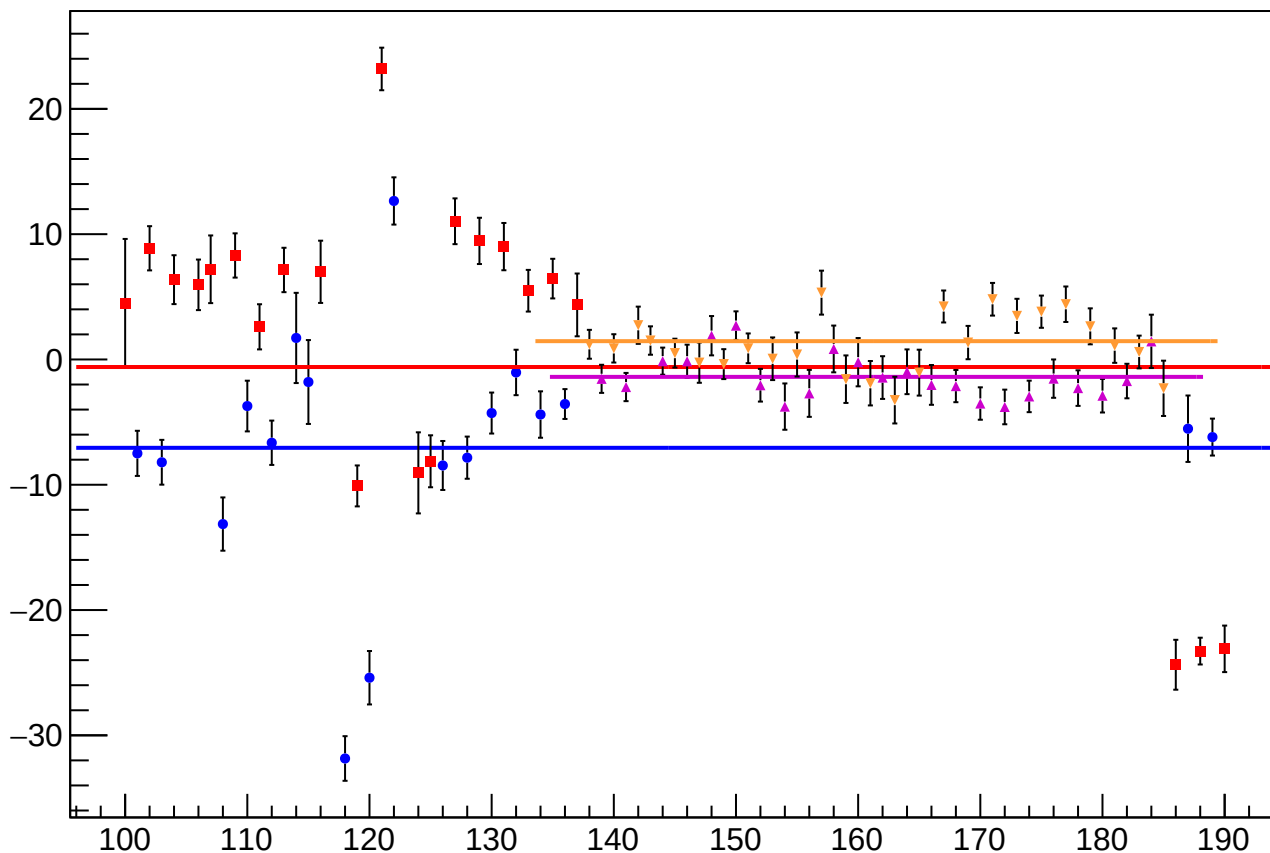
Left In: 8649.232 ± 1.444 χ^2/NDF : 377932.0/22

+ sign 8344.375 ± 1.142 χ^2/NDF : 751795.1/42

All: 8322.944 ± 0.804 χ^2/NDF : 1671505.9/87

- sign 8301.851 ± 1.133 χ^2/NDF : 919012.2/44

diff_bpm0l08Y_mean vs Slug



Right In: -7.052 ± 0.435 χ^2/NDF : 423.0/17

Left Out: 1.461 ± 0.281 χ^2/NDF : 51.0/24

Right Out: -0.603 ± 0.396 χ^2/NDF : 1241.0/21

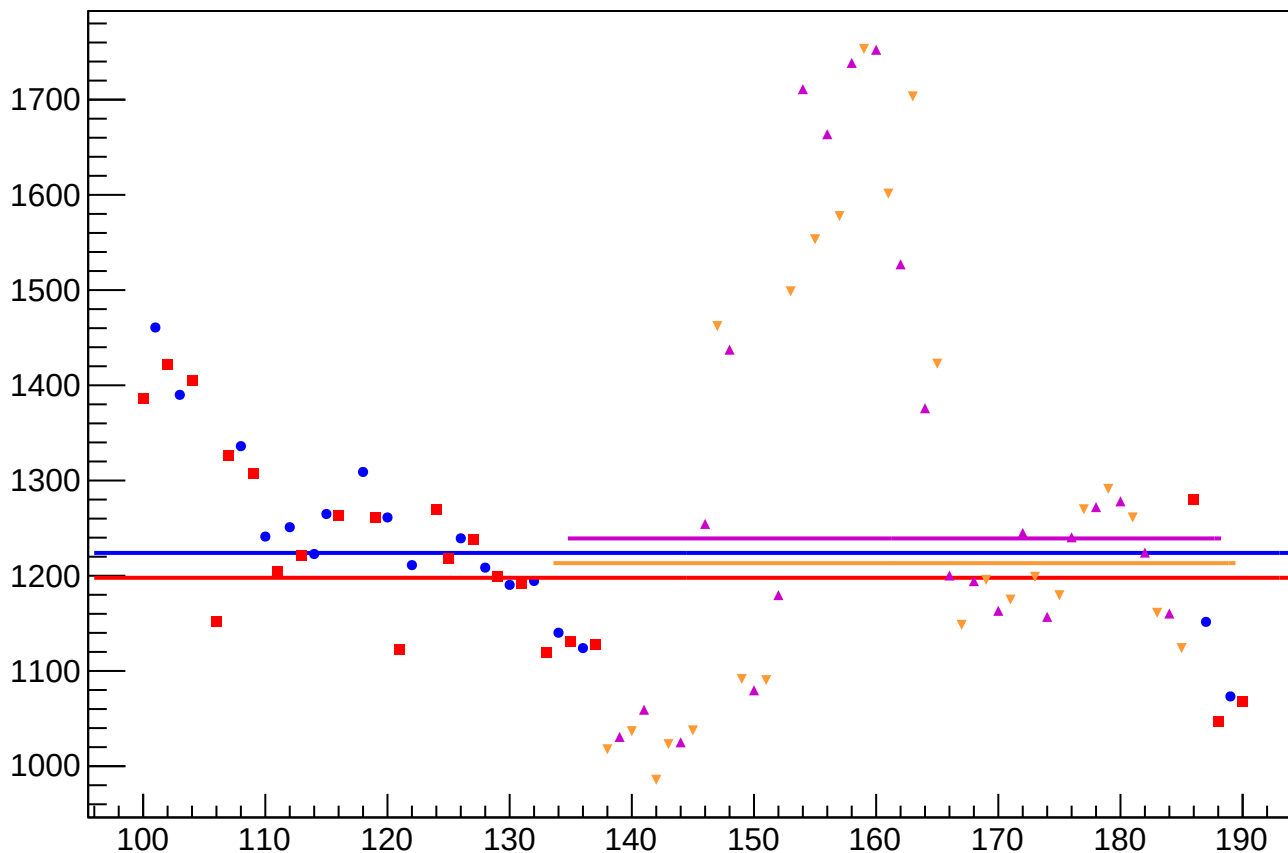
Left In: -1.390 ± 0.294 χ^2/NDF : 35.5/22

+ sign -1.038 ± 0.236 χ^2/NDF : 744.4/42

All: -1.074 ± 0.167 χ^2/NDF : 2023.5/87

- sign -1.110 ± 0.236 χ^2/NDF : 1279.1/44

diff_bpm0l08Y_rms vs Slug



Right In: 1223.972 $\pm$ 0.308 χ^2 /NDF: 105778.9/17

Left Out: 1213.262 $\pm$ 0.198 χ^2 /NDF: 1012762.9/24

Right Out: 1197.847 $\pm$ 0.280 χ^2 /NDF: 144146.4/21

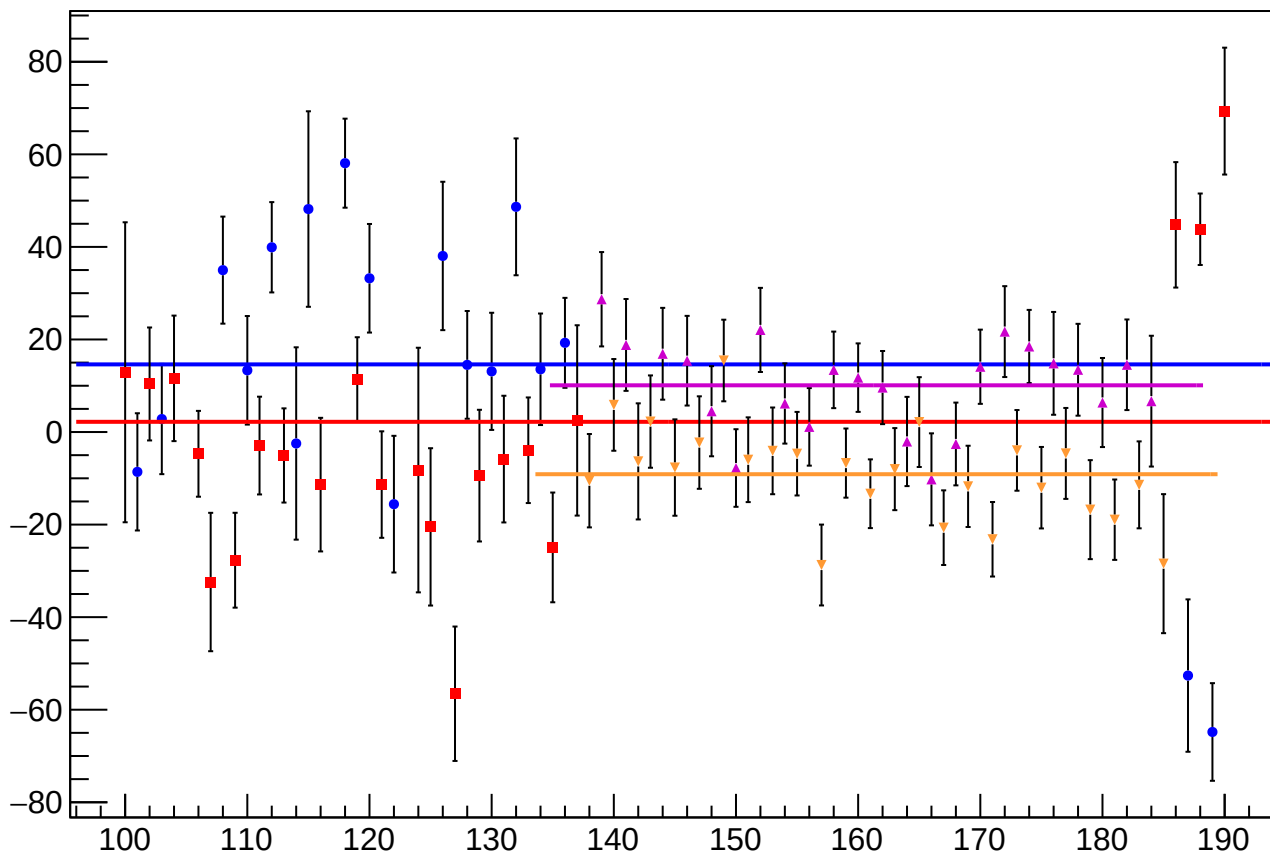
Left In: 1239.174 $\pm$ 0.208 χ^2 /NDF: 885596.7/22

+ sign 1216.407 $\pm$ 0.167 χ^2 /NDF: 1119397.6/42

All: 1220.433 $\pm$ 0.118 χ^2 /NDF: 2164339.5/87

- sign 1224.475 $\pm$ 0.167 χ^2 /NDF: 1043773.0/44

diff_bpm0l09X_mean vs Slug



Right In: 14.616+/-2.911 χ^2 /NDF: 125.6/17

Left Out: -9.114+/-1.842 χ^2 /NDF:28.8/24

Right Out: 2.207+/-2.612 χ^2 /NDF: 107.3/21

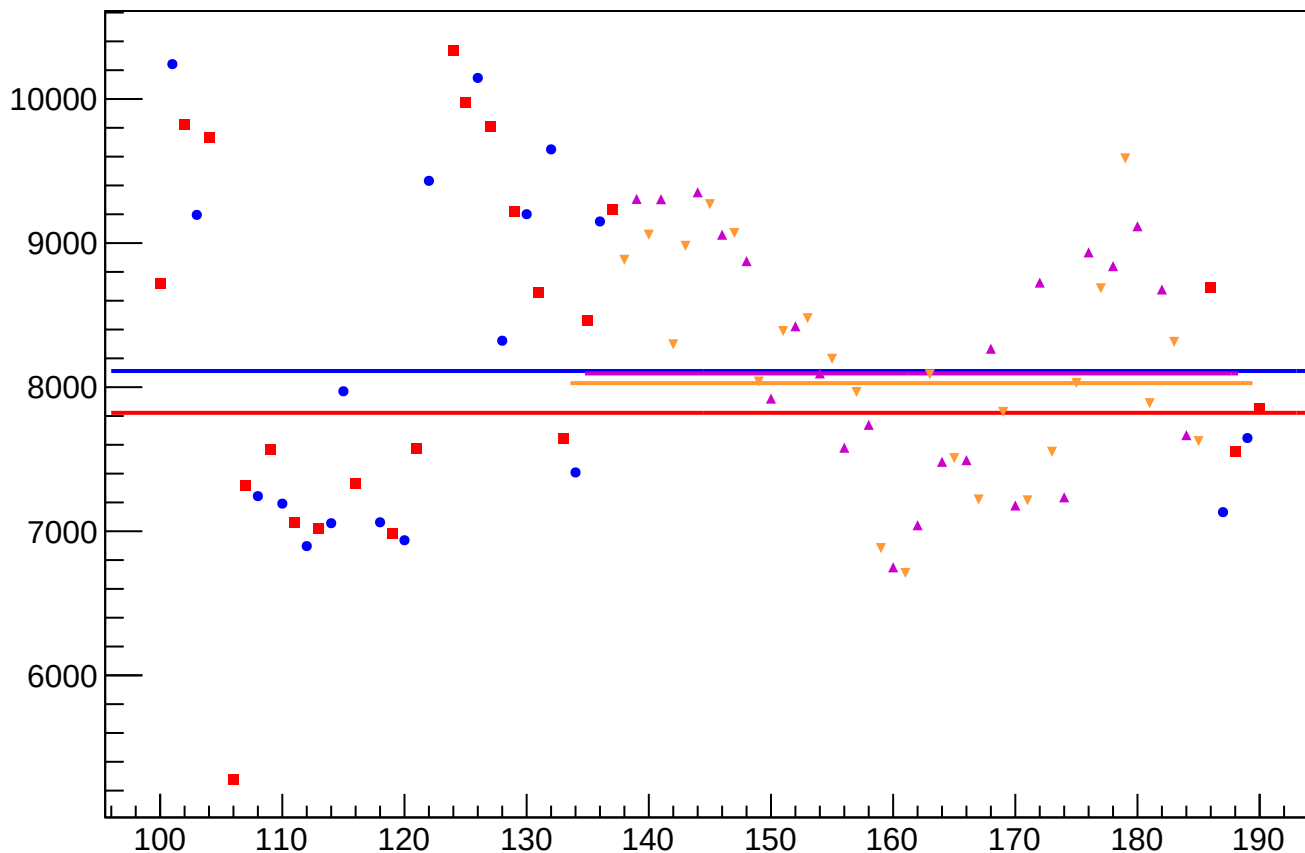
Left In: 10.095+/-1.911 χ^2 /NDF:24.3/22

+ sign -2.327+/-1.557 χ^2 /NDF: 201.8/42

All: 2.553+/-1.096 χ^2 /NDF: 358.8/87

- sign 7.345+/-1.543 χ^2 /NDF: 137.5/44

diff_bpm0l09X_rms vs Slug



Right In: 8112.326+/-2.059 χ^2/NDF : 302758.7/17

Left Out: 8028.056+/-1.303 χ^2/NDF : 332457.9/24

Right Out: 7821.989+/-1.847 χ^2/NDF : 433733.6/21

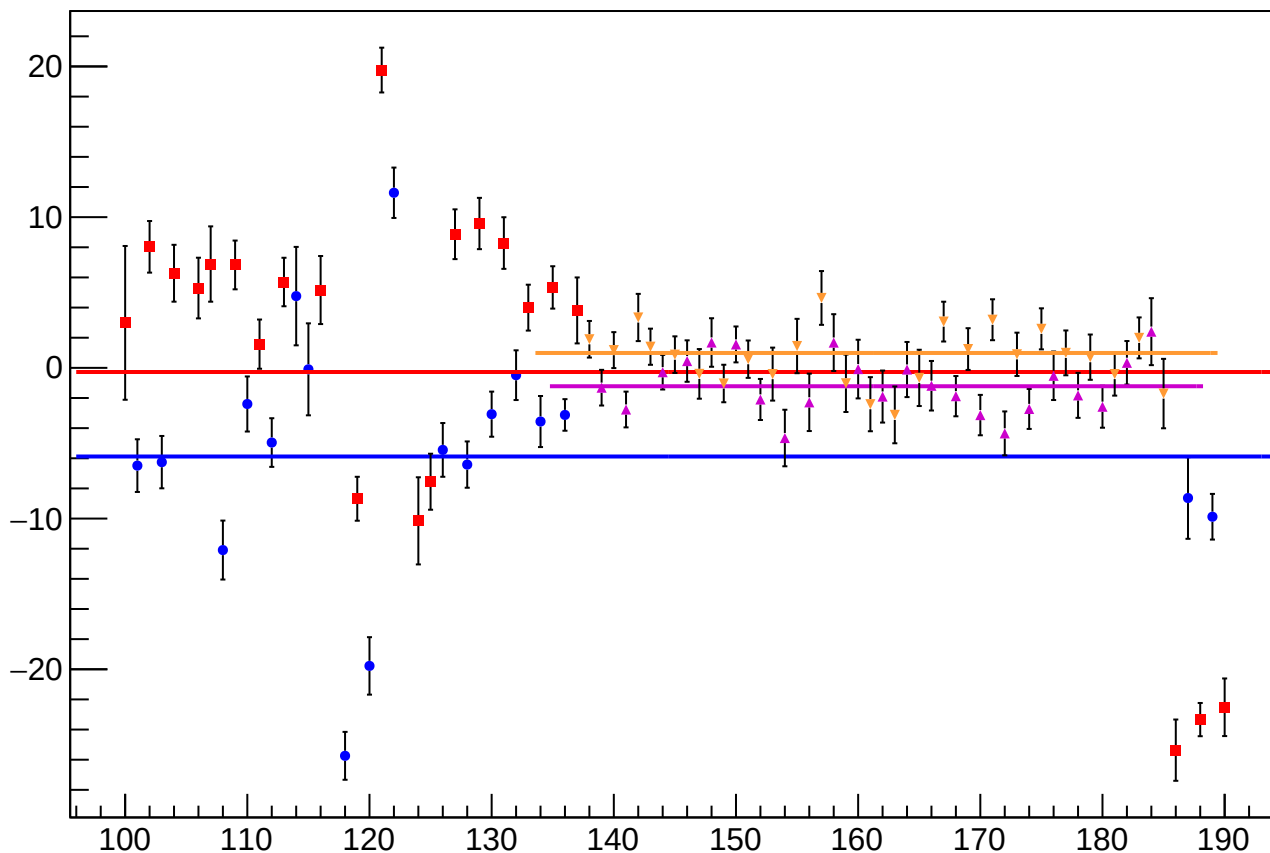
Left In: 8095.368+/-1.351 χ^2/NDF : 367451.5/22

+ sign 8052.157+/-1.101 χ^2/NDF : 636413.1/42

All: 8025.865+/-0.775 χ^2/NDF : 1452994.5/87

- sign 8000.055+/-1.091 χ^2/NDF : 815451.1/44

diff_bpm0l09Y_mean vs Slug



Right In: -5.881 ± 0.401 χ^2/NDF : 378.6/17

Left Out: 0.988 ± 0.292 χ^2/NDF : 31.0/24

Right Out: -0.275 ± 0.371 χ^2/NDF : 1175.8/21

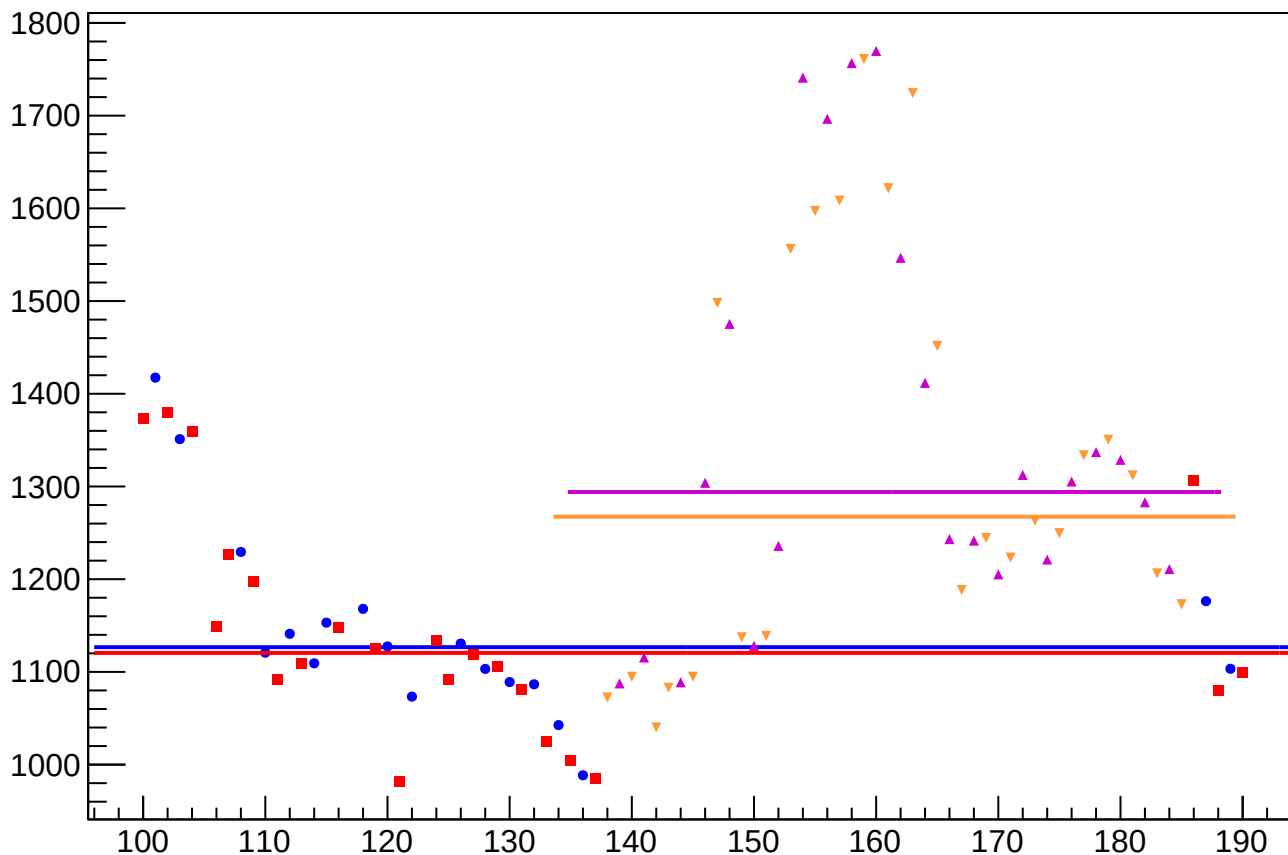
Left In: -1.219 ± 0.307 χ^2/NDF : 33.1/22

+ sign -1.396 ± 0.236 χ^2/NDF : 601.2/42

All: -1.116 ± 0.167 χ^2/NDF : 1816.8/87

- sign -0.836 ± 0.236 χ^2/NDF : 1212.8/44

diff_bpm0l09Y_rms vs Slug



Right In: 1126.688 $\pm$ 0.284 χ^2 /NDF: 141764.8/17

Left Out: 1267.405 $\pm$ 0.207 χ^2 /NDF: 878431.8/24

Right Out: 1120.534 $\pm$ 0.262 χ^2 /NDF: 160437.4/21

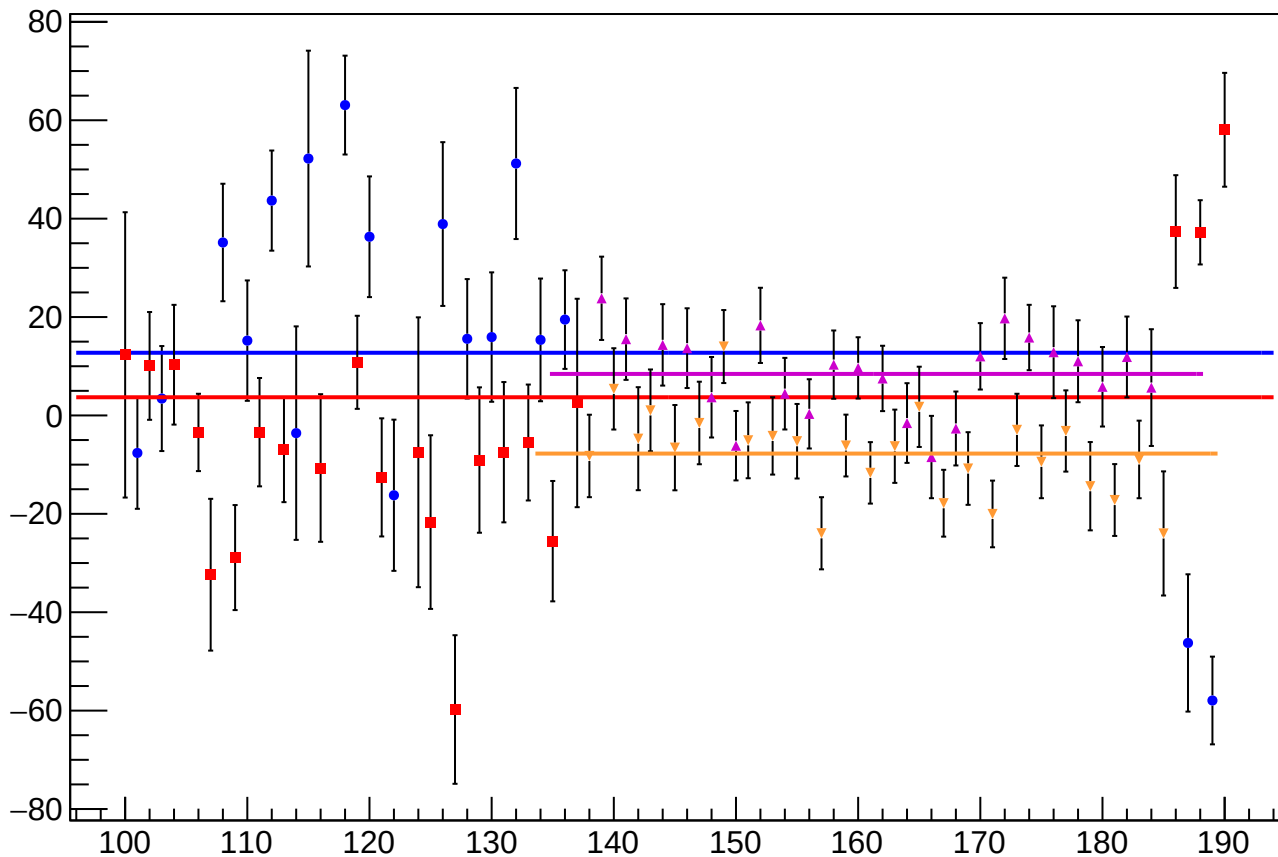
Left In: 1294.076 $\pm$ 0.217 χ^2 /NDF: 758193.5/22

+ sign 1218.575 $\pm$ 0.167 χ^2 /NDF: 1180977.8/42

All: 1221.083 $\pm$ 0.118 χ^2 /NDF: 2360357.7/87

- sign 1223.591 $\pm$ 0.167 χ^2 /NDF: 1178929.3/44

diff_bpm0l10X_mean vs Slug



Right In: 12.740 ± 2.894 $\chi^2/\text{NDF}: 143.0/17$

Left Out: -7.752 ± 1.547 $\chi^2/\text{NDF}: 30.4/24$

Right Out: 3.695 ± 2.514 $\chi^2/\text{NDF}: 105.8/21$

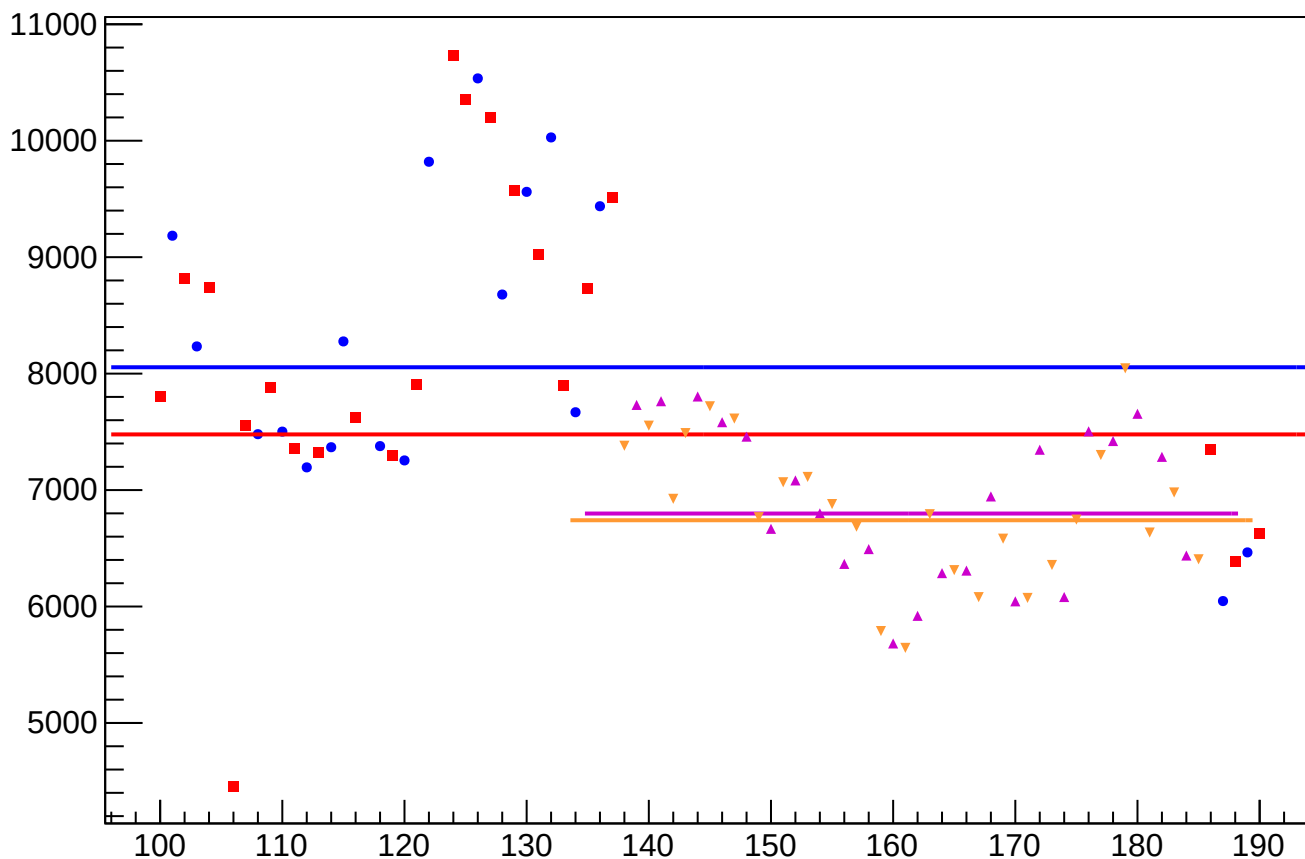
Left In: 8.438 ± 1.605 $\chi^2/\text{NDF}: 24.8/22$

+ sign -3.200 ± 1.364 $\chi^2/\text{NDF}: 212.4/42$

All: 1.975 ± 0.960 $\chi^2/\text{NDF}: 374.1/87$

- sign 7.065 ± 1.353 $\chi^2/\text{NDF}: 133.1/44$

diff_bpm0l10X_rms vs Slug



Right In: 8054.656 $\pm$ 2.046 χ^2 /NDF: 343474.6/17

Left Out: 6740.835 $\pm$ 1.094 χ^2 /NDF:316707.6/24

Right Out: 7477.952 $\pm$ 1.778 χ^2 /NDF: 672842.6/21

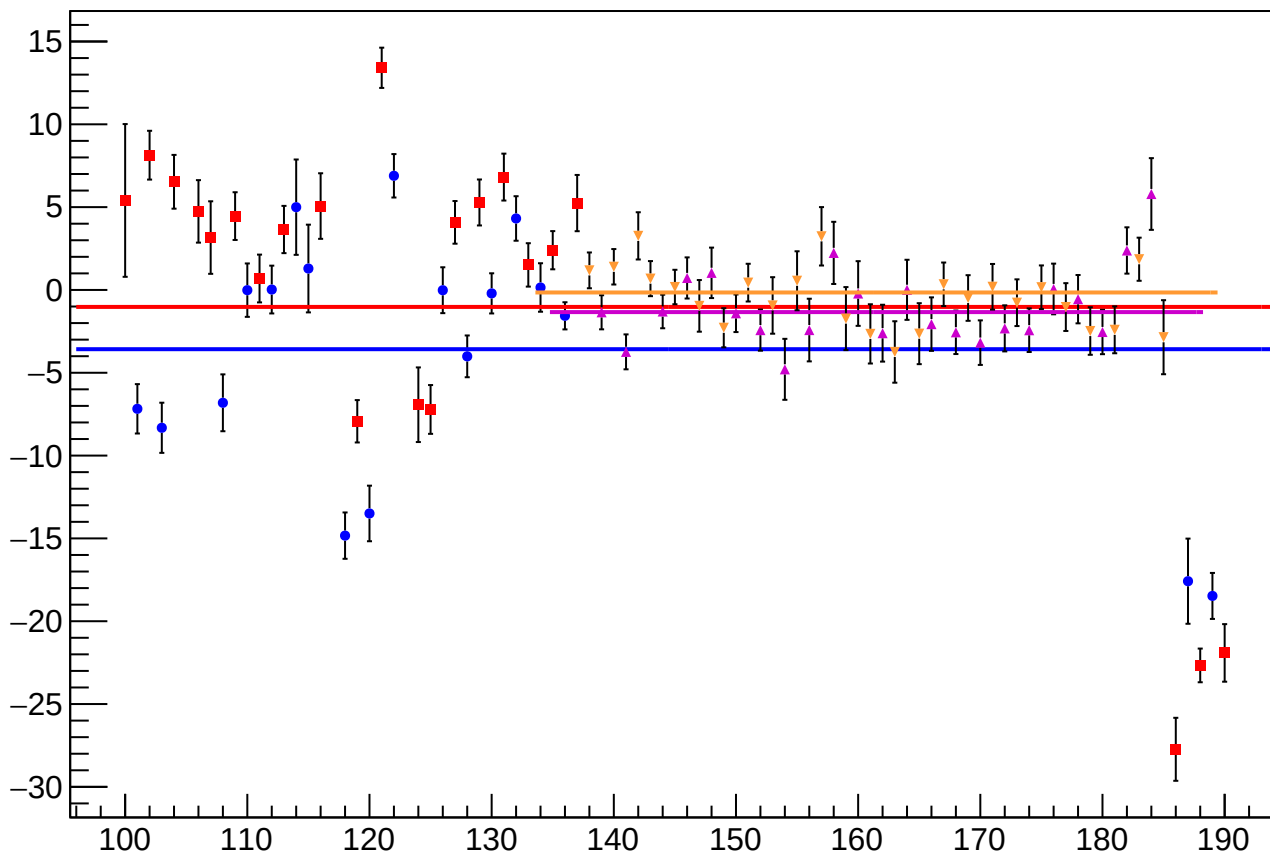
Left In: 6798.524 $\pm$ 1.135 χ^2 /NDF:353277.6/22

+ sign 7032.684 $\pm$ 0.965 χ^2 /NDF: 980783.1/42

All: 7013.767 $\pm$ 0.679 χ^2 /NDF: 2111442.0/87

- sign 6995.166 $\pm$ 0.956 χ^2 /NDF: 1129896.0/44

diff_bpm0l10Y_mean vs Slug



Right In: -3.577 ± 0.337 $\chi^2/\text{NDF}: 412.2/17$

Left Out: -0.152 ± 0.277 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -1.024 ± 0.318 $\chi^2/\text{NDF}: 1194.2/21$

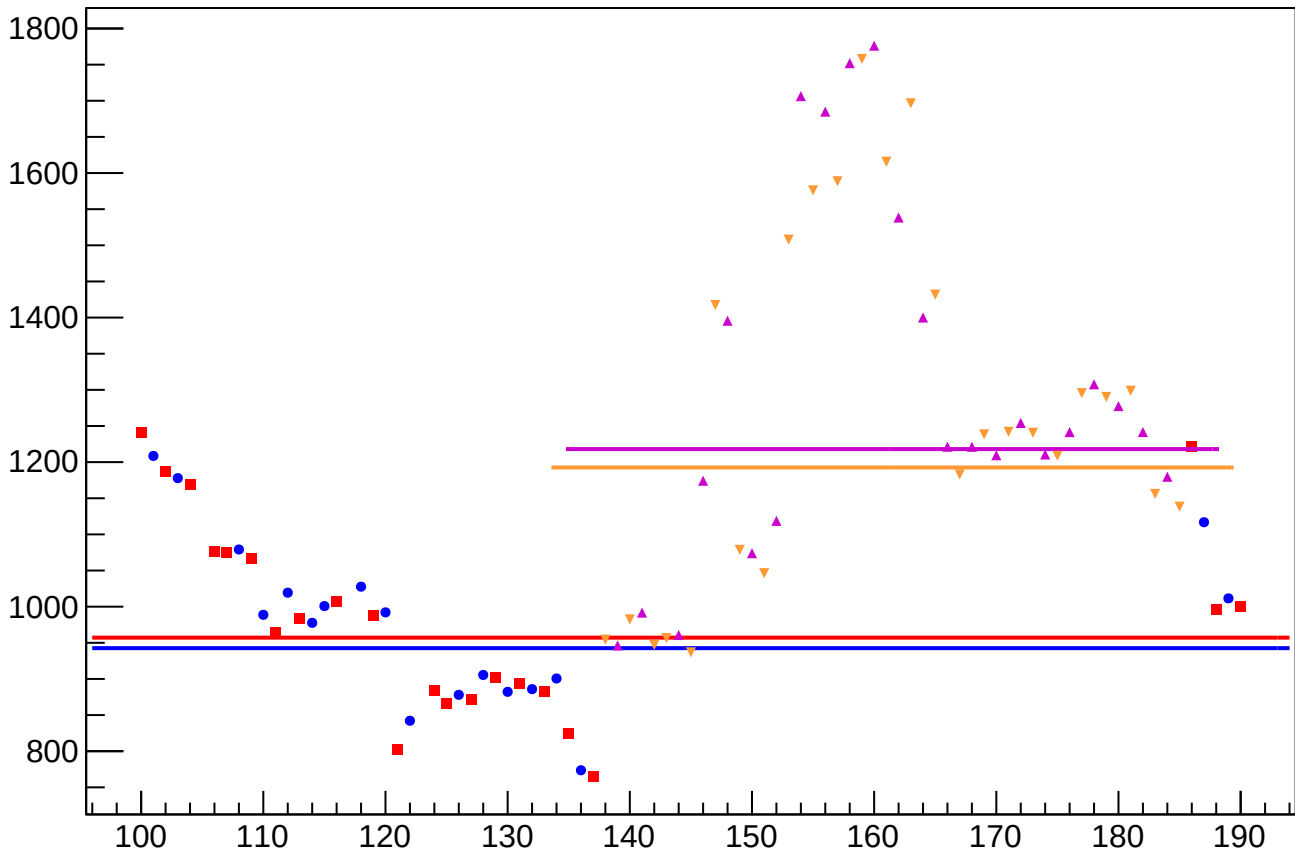
Left In: -1.337 ± 0.290 $\chi^2/\text{NDF}: 44.0/22$

+ sign -1.532 ± 0.214 $\chi^2/\text{NDF}: 510.0/42$

All: -1.364 ± 0.151 $\chi^2/\text{NDF}: 1750.0/87$

- sign -1.195 ± 0.214 $\chi^2/\text{NDF}: 1238.7/44$

diff_bpm0l10Y_rms vs Slug



Right In: 942.601 $\pm$ 0.238 χ^2 /NDF: 269422.5/17

Left Out: 1192.579 $\pm$ 0.196 χ^2 /NDF: 1320181.3/24

Right Out: 957.136 $\pm$ 0.225 χ^2 /NDF: 279213.5/21

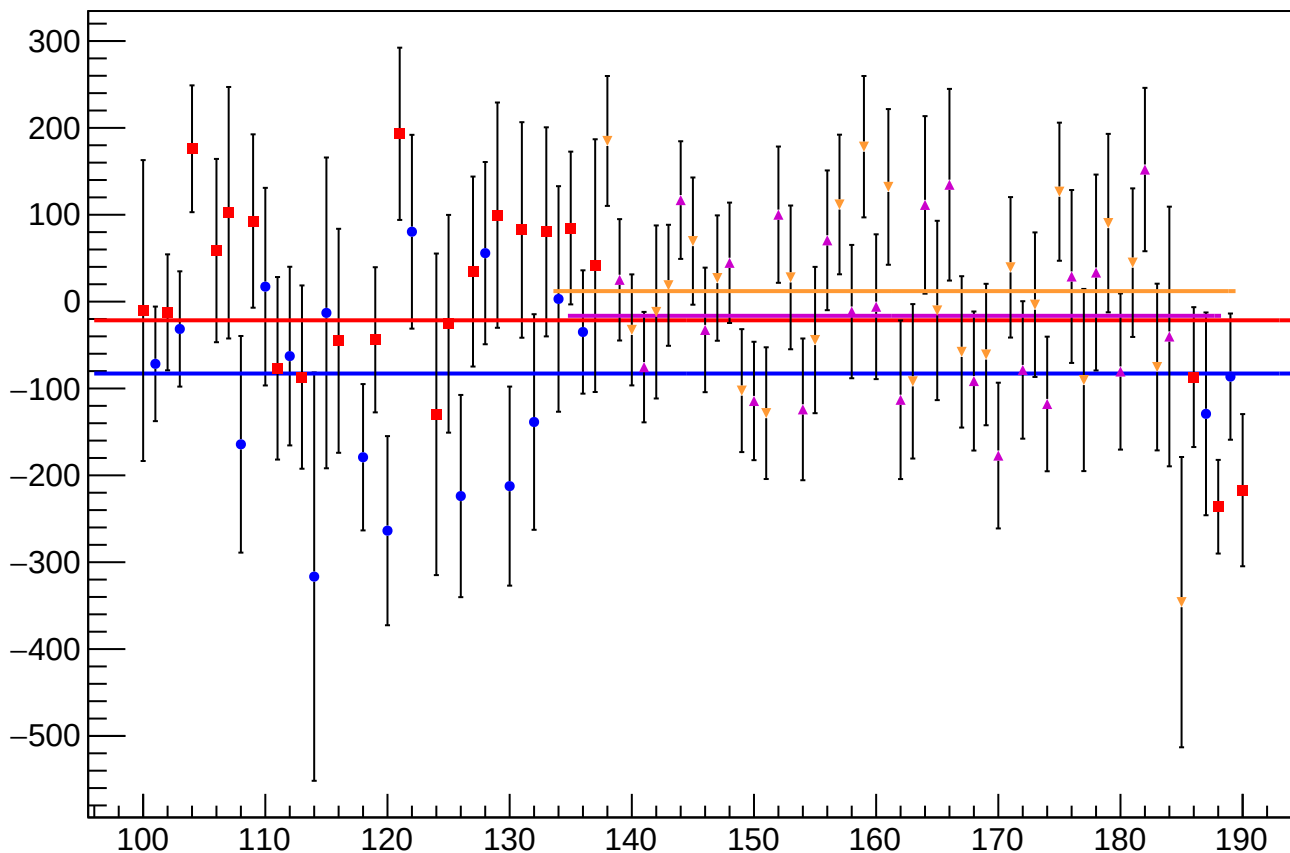
Left In: 1218.058 $\pm$ 0.205 χ^2 /NDF: 1127896.8/22

+ sign 1091.868 $\pm$ 0.151 χ^2 /NDF: 2247227.0/42

All: 1095.617 $\pm$ 0.107 χ^2 /NDF: 4391180.2/87

- sign 1099.380 $\pm$ 0.151 χ^2 /NDF: 2142721.0/44

diff_bpm0r03X_mean vs Slug



Right In: -82.783 ± 23.097 $\chi^2/\text{NDF}: 15.0/17$

Left Out: 12.081 ± 16.608 $\chi^2/\text{NDF}: 32.8/24$

Right Out: -21.514 ± 20.655 $\chi^2/\text{NDF}: 41.5/21$

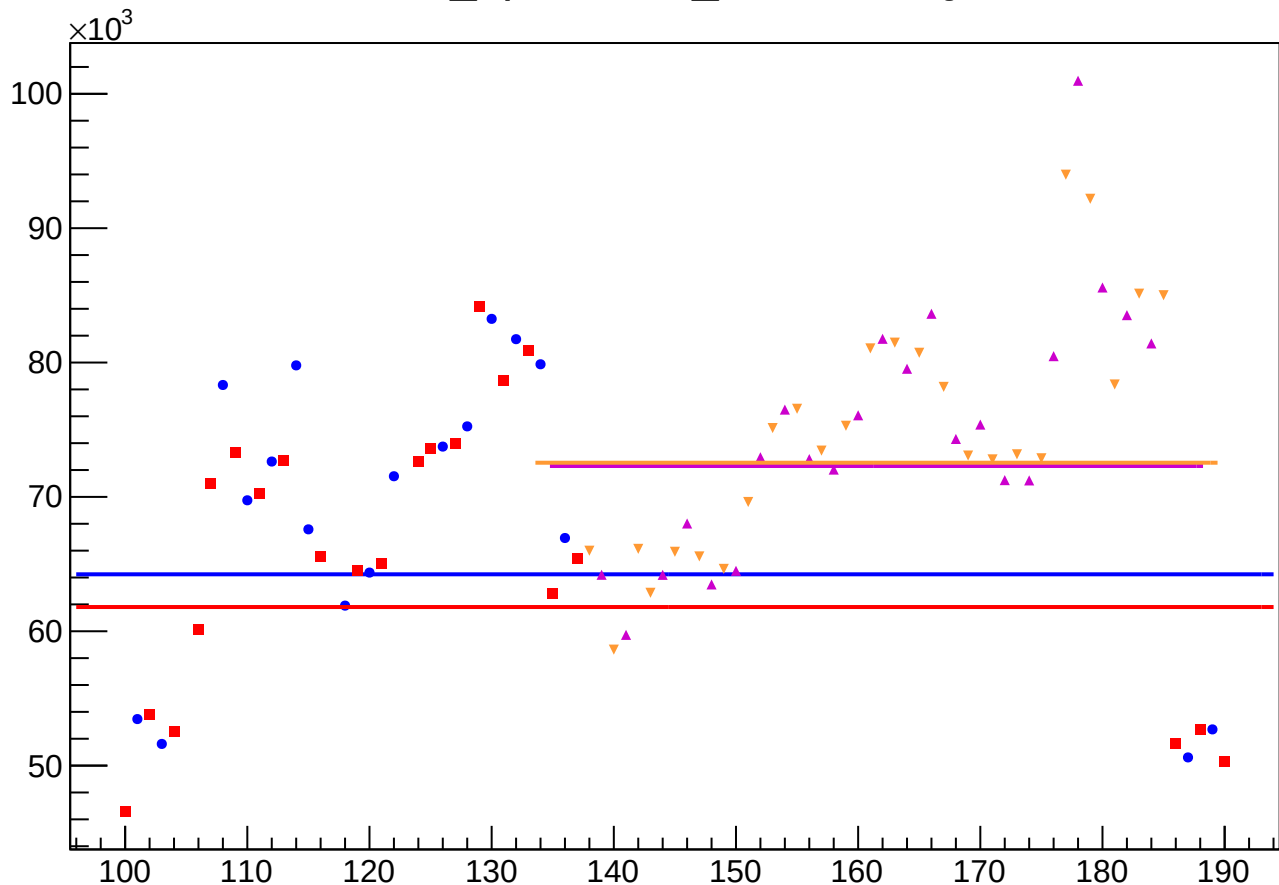
Left In: -16.339 ± 17.018 $\chi^2/\text{NDF}: 28.7/22$

+ sign -20.251 ± 13.484 $\chi^2/\text{NDF}: 58.9/42$

All: -19.317 ± 9.408 $\chi^2/\text{NDF}: 129.1/87$

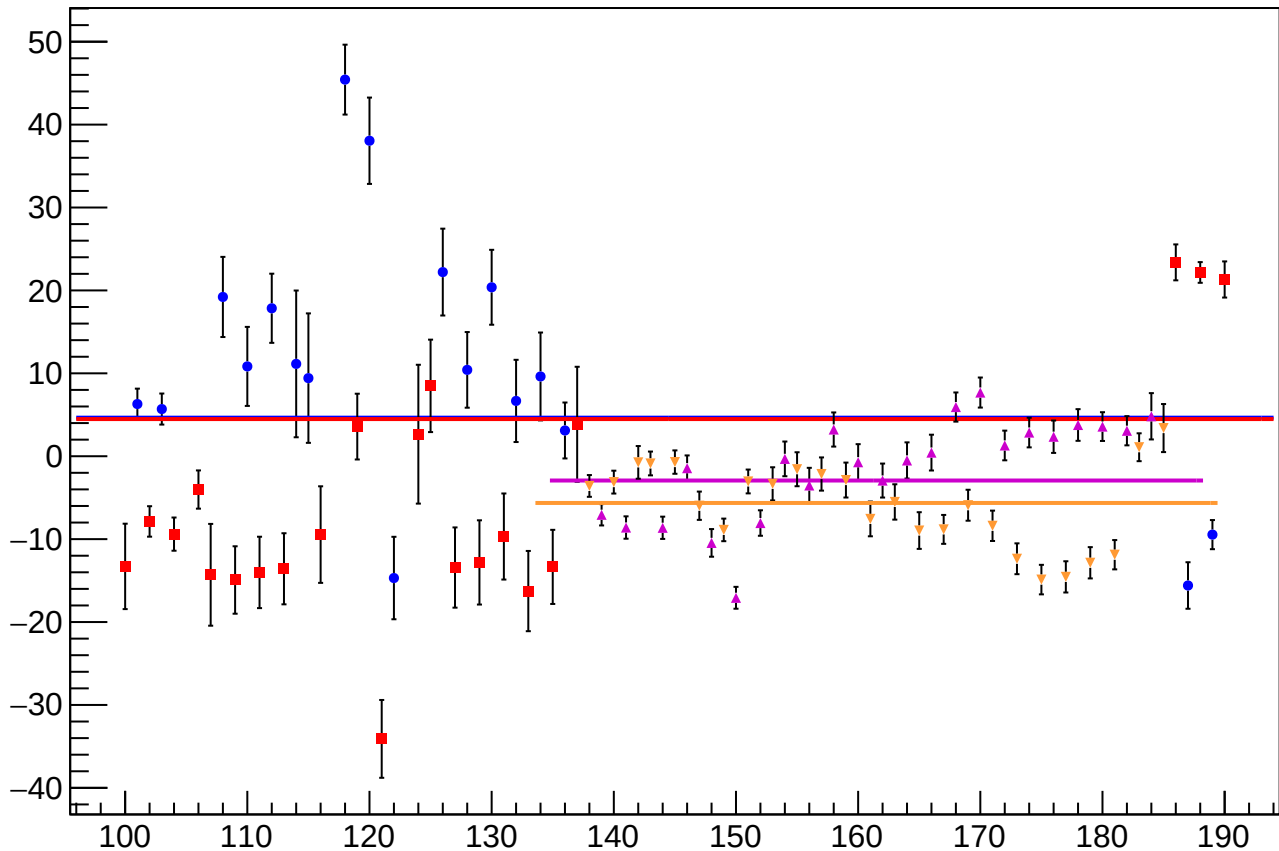
- sign -18.432 ± 13.134 $\chi^2/\text{NDF}: 70.2/44$

diff_bpm0r03X_rms vs Slug



Right In: 64238.736 $\pm$ 16.332	χ^2 /NDF: 428727.9/17	+ sign 69713.583 $\pm$ 9.535	χ^2 /NDF: 1099272.8/42
Left Out: 72544.327 $\pm$ 11.744	χ^2 /NDF: 500066.2/24	All: 68863.091 $\pm$ 6.653	χ^2 /NDF: 2384034.9/8
Right Out: 61803.645 $\pm$ 14.605	χ^2 /NDF: 472790.1/21	- sign 68056.162 $\pm$ 9.287	χ^2 /NDF: 1269256.0/44
Left In: 72300.590 $\pm$ 12.033	χ^2 /NDF: 488780.3/22		

diff_bpm0r03Y_mean vs Slug



Right In: 4.651 ± 0.783 χ^2/NDF : 315.4/17

Left Out: -5.636 ± 0.349 χ^2/NDF : 178.2/24

Right Out: 4.483 ± 0.639 χ^2/NDF : 664.2/21

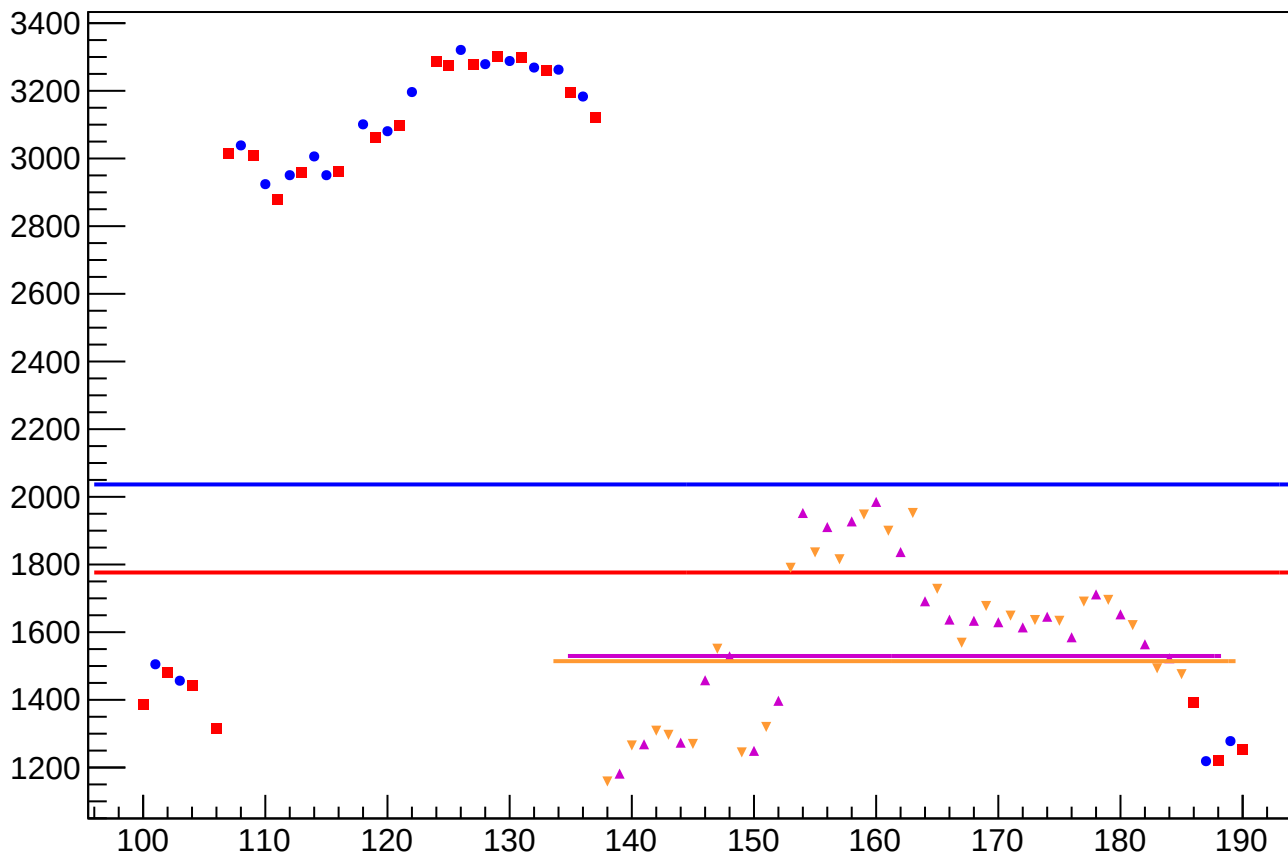
Left In: -2.929 ± 0.362 χ^2/NDF : 337.4/22

+ sign -3.931 ± 0.319 χ^2/NDF : 637.5/42

All: -2.512 ± 0.224 χ^2/NDF : 1780.1/87

- sign -1.126 ± 0.315 χ^2/NDF : 1103.4/44

diff_bpm0r03Y_rms vs Slug



Right In: 2036.615 $\pm$ 0.554 χ^2 /NDF: 2401705.6/17

Left Out: 1514.334 $\pm$ 0.247 χ^2 /NDF: 933332.1/24

Right Out: 1776.379 $\pm$ 0.452 χ^2 /NDF: 2989853.6/21

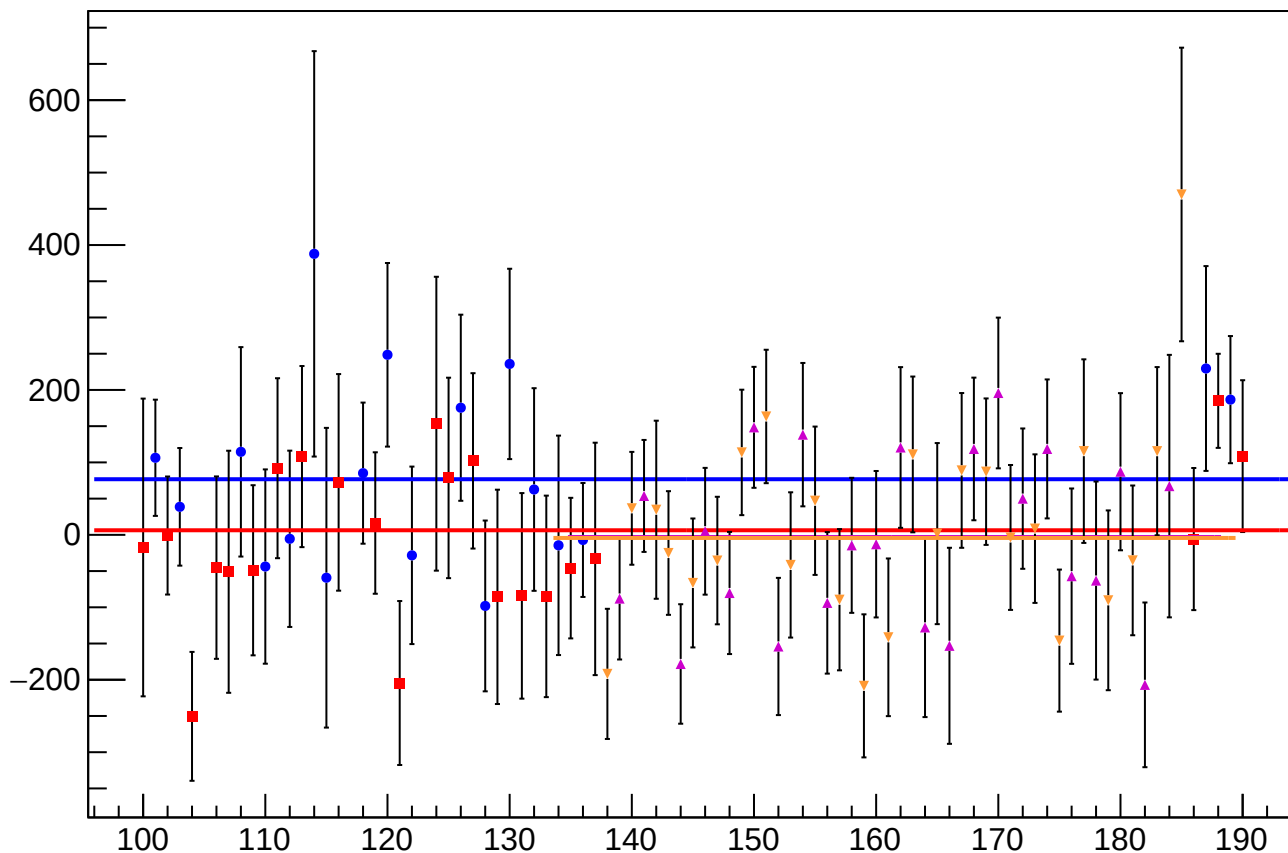
Left In: 1529.635 $\pm$ 0.256 χ^2 /NDF: 828481.7/22

+ sign 1600.919 $\pm$ 0.225 χ^2 /NDF: 4077446.7/42

All: 1595.214 $\pm$ 0.158 χ^2 /NDF: 8122670.2/87

- sign 1589.639 $\pm$ 0.223 χ^2 /NDF: 4043957.3/44

diff_bpm0r05X_mean vs Slug



Right In: 76.772 $\pm$ 26.960 χ^2 /NDF: 14.4/17

Left Out: -4.274 $\pm$ 20.240 χ^2 /NDF:30.4/24

Right Out: 6.324 $\pm$ 24.266 χ^2 /NDF: 25.2/21

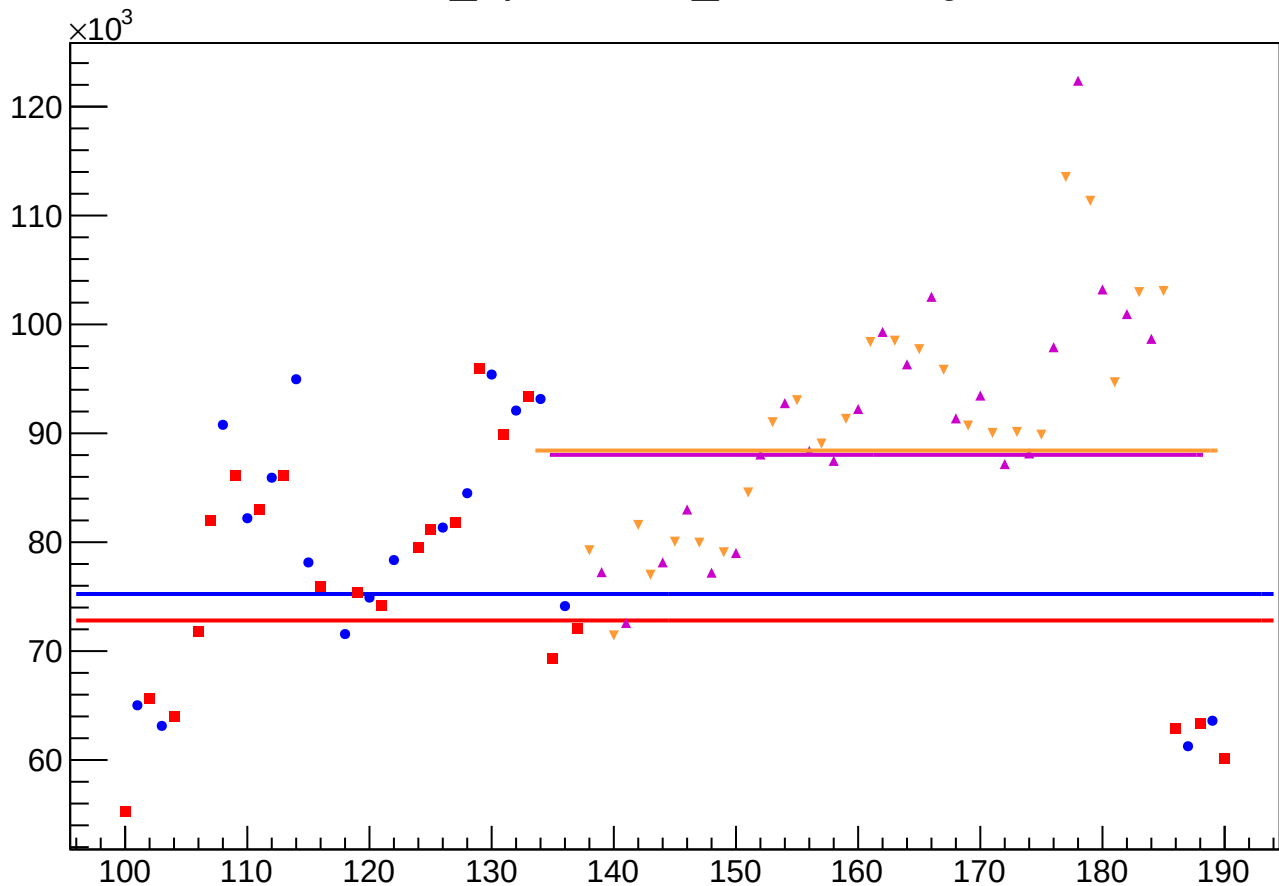
Left In: -3.017 $\pm$ 20.720 χ^2 /NDF:30.7/22

+ sign 24.939 $\pm$ 16.186 χ^2 /NDF: 50.7/42

All: 12.608 $\pm$ 11.291 χ^2 /NDF: 107.8/87

- sign 0.922 $\pm$ 15.757 χ^2 /NDF: 56.0/44

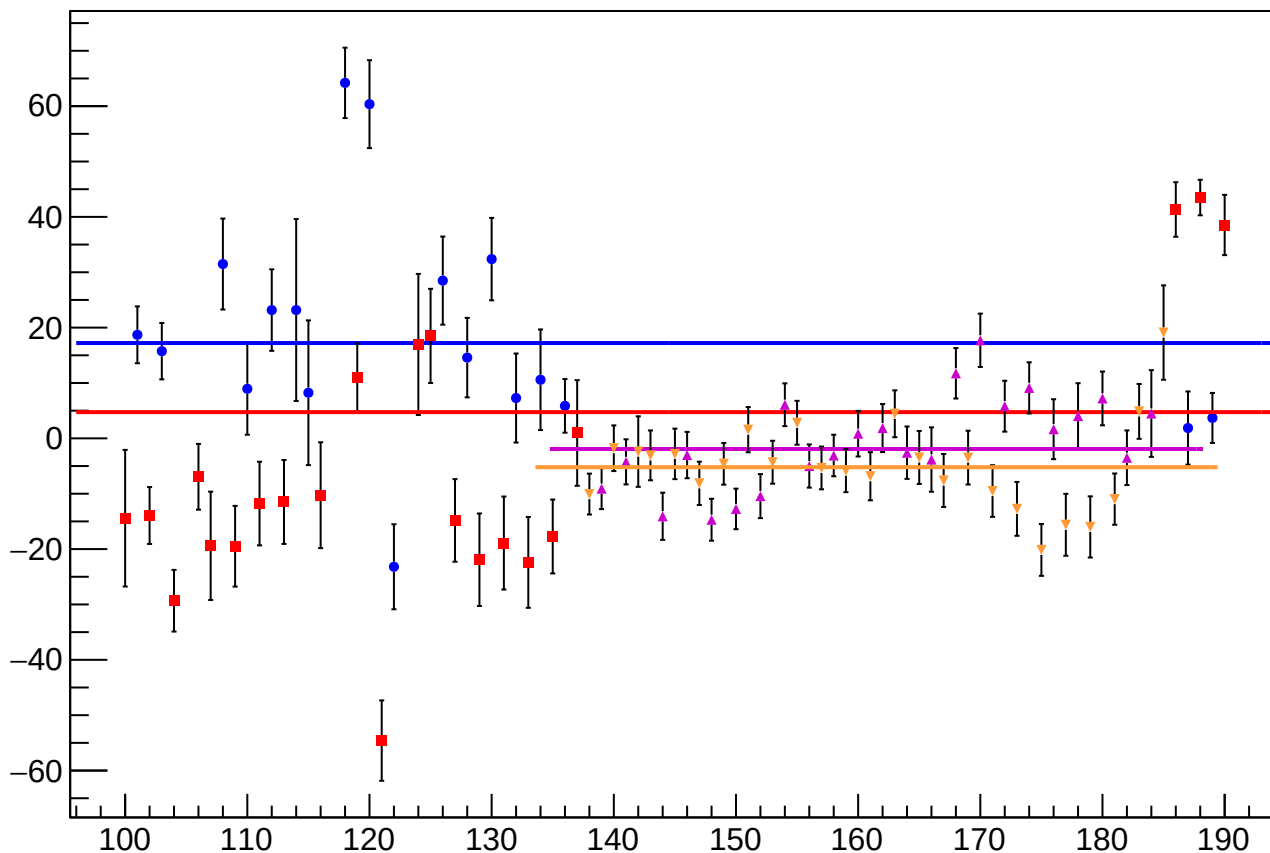
diff_bpm0r05X_rms vs Slug



Right In: 75244.055 $\pm$ 19.064 χ^2 /NDF: 311467.5/17
 Left Out: 88417.953 $\pm$ 14.312 χ^2 /NDF: 481954.0/24
 Right Out: 72812.916 $\pm$ 17.159 χ^2 /NDF: 357371.8/21
 Left In: 88023.592 $\pm$ 14.651 χ^2 /NDF: 484812.2/22

+ sign 83669.459 $\pm$ 11.445 χ^2 /NDF: 1098828.9/42
 All: 82612.035 $\pm$ 7.984 χ^2 /NDF: 2412116.1/8
 - sign 81609.938 $\pm$ 11.142 χ^2 /NDF: 1296662.6/44

diff_bpm0r05Y_mean vs Slug



Right In: 17.216 $\pm$ 1.608 χ^2 /NDF: 145.5/17

Left Out: -5.206 $\pm$ 0.894 χ^2 /NDF: 51.0/24

Right Out: 4.736 $\pm$ 1.397 χ^2 /NDF: 444.4/21

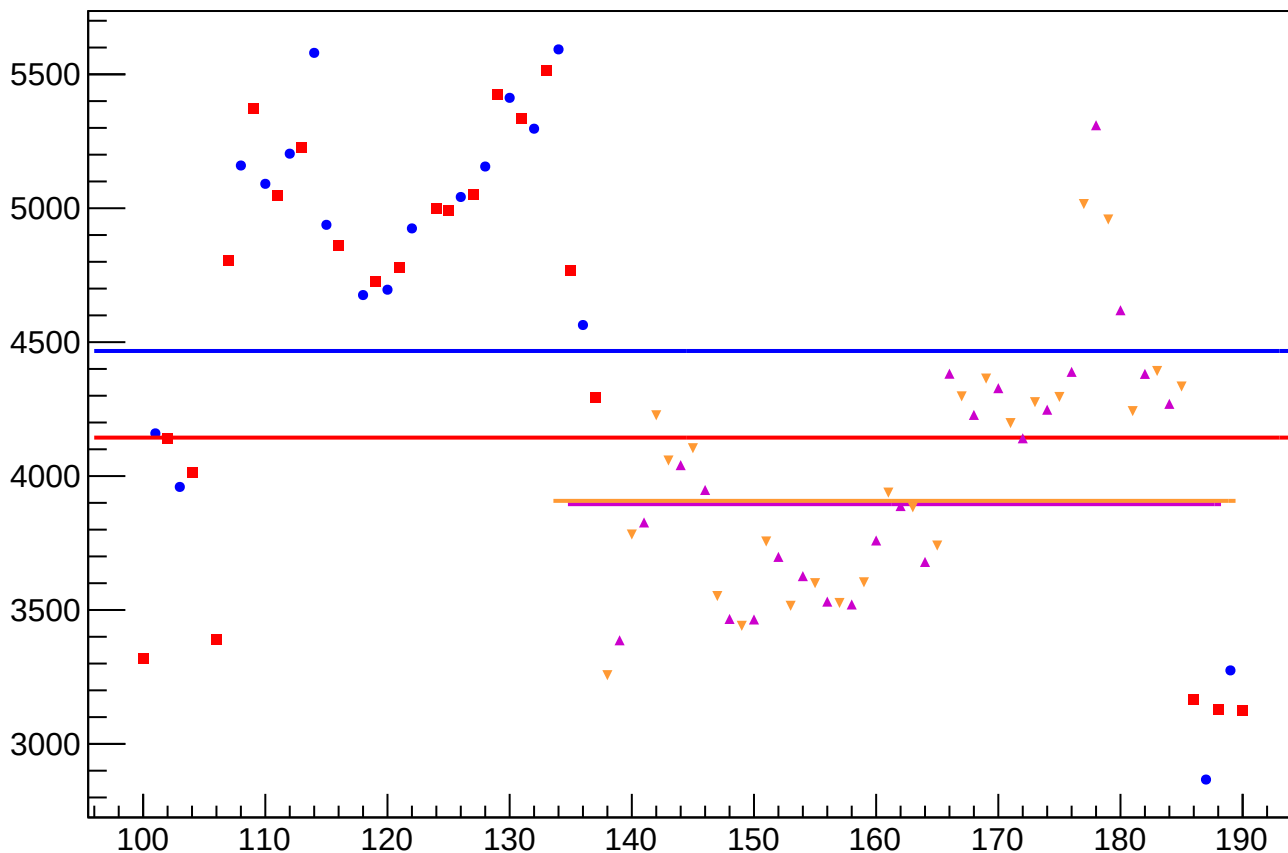
Left In: -1.924 $\pm$ 0.916 χ^2 /NDF: 83.2/22

+ sign 0.089 $\pm$ 0.781 χ^2 /NDF: 345.1/42

All: 0.085 $\pm$ 0.547 χ^2 /NDF: 888.6/87

- sign 0.081 $\pm$ 0.766 χ^2 /NDF: 543.5/44

diff_bpm0r05Y_rms vs Slug



Right In: 4467.061+/-1.137 χ^2/NDF : 466197.3/17

Left Out: 3907.465+/-0.632 χ^2/NDF : 441202.5/24

Right Out: 4143.629+/-0.988 χ^2/NDF : 791379.7/21

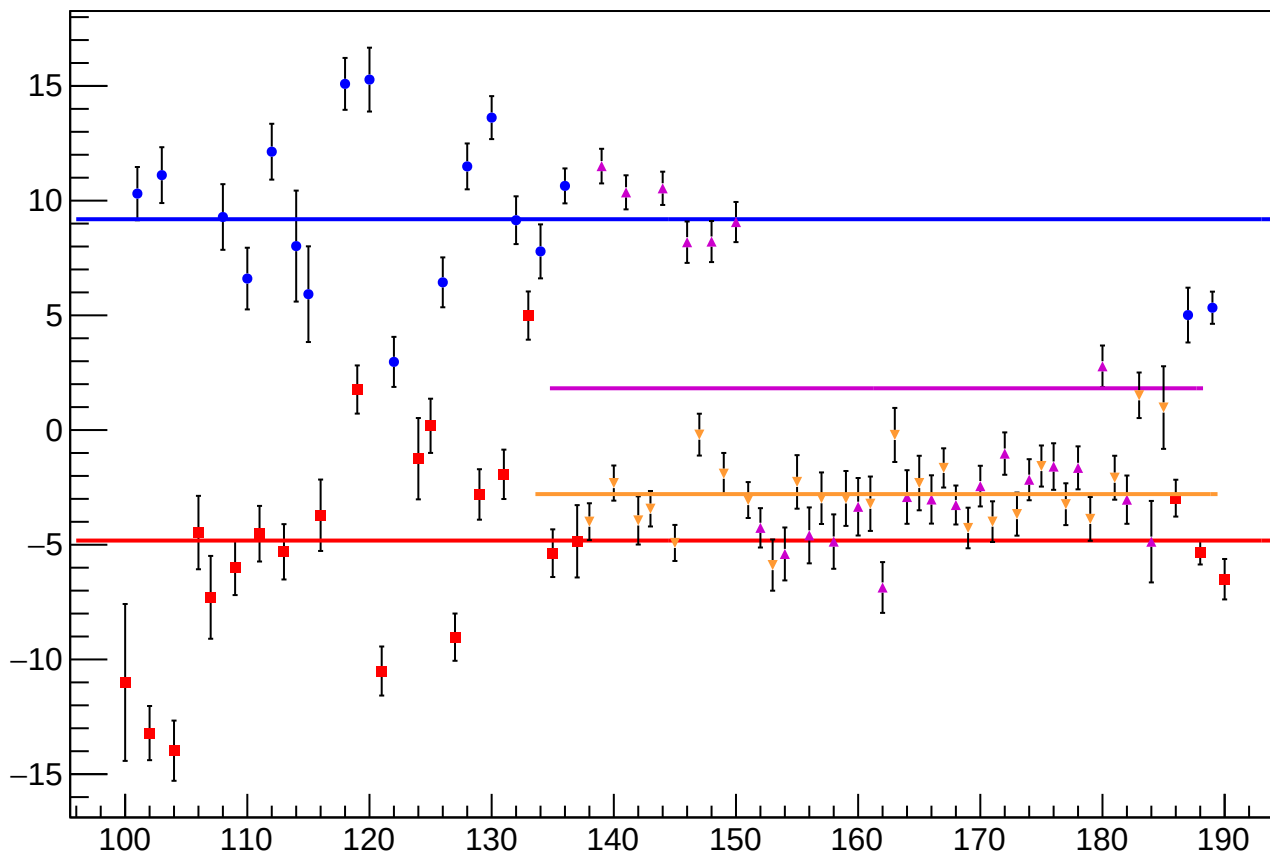
Left In: 3895.108+/-0.648 χ^2/NDF : 409913.9/22

+ sign 4039.607+/-0.552 χ^2/NDF : 1092506.2/42

All: 4004.069+/-0.387 χ^2/NDF : 2346193.5/87

- sign 3969.892+/-0.542 χ^2/NDF : 1245568.0/44

diff_bpm2i01X_mean vs Slug



Right In: 9.190 ± 0.260 χ^2/NDF : 176.1/17

Left Out: -2.792 ± 0.190 χ^2/NDF : 68.4/24

Right Out: -4.817 ± 0.231 χ^2/NDF : 320.3/21

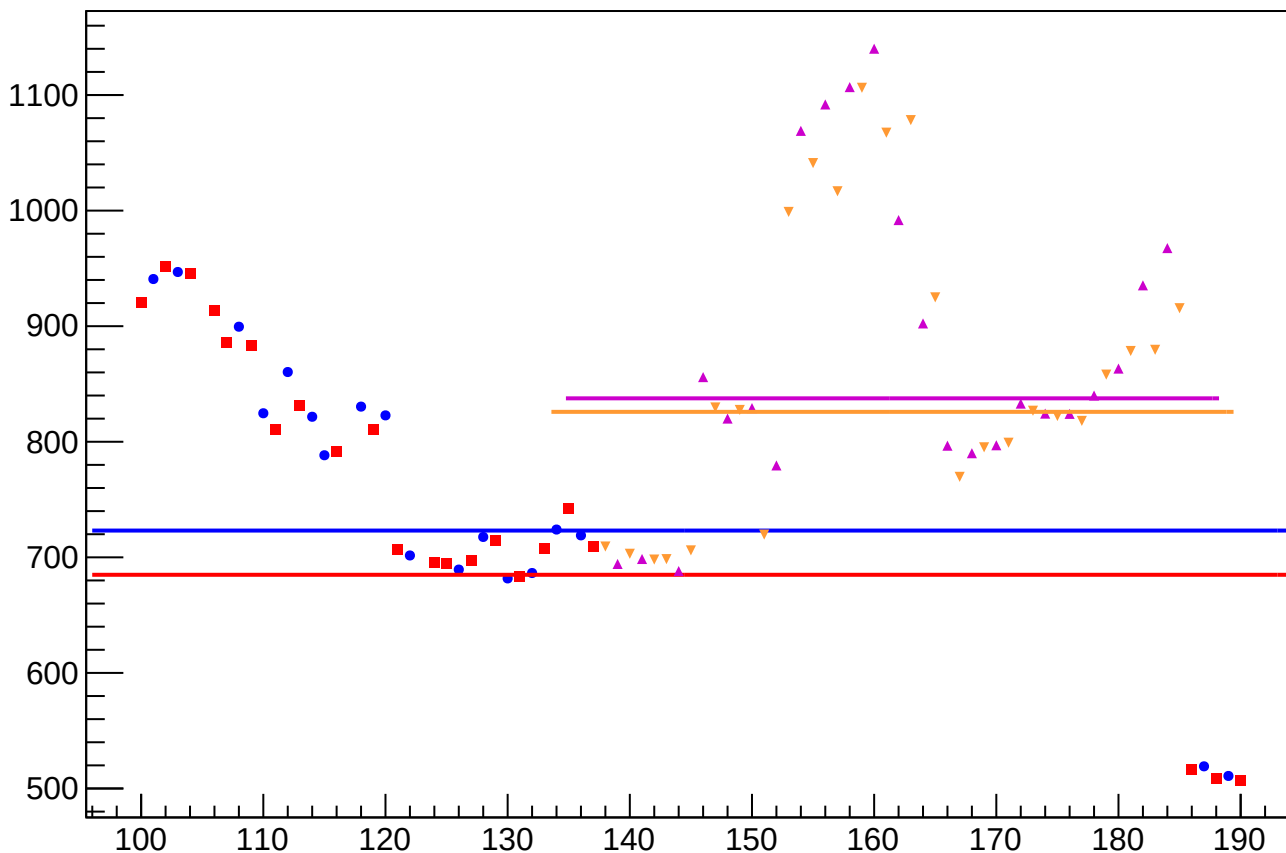
Left In: 1.820 ± 0.198 χ^2/NDF : 1026.0/22

+ sign 1.375 ± 0.154 χ^2/NDF : 1626.8/42

All: 0.163 ± 0.107 χ^2/NDF : 3571.7/87

- sign -0.999 ± 0.150 χ^2/NDF : 1822.8/44

diff_bpm2i01X_rms vs Slug



Right In: 723.170 $\pm$ 0.184 χ^2 /NDF: 489592.6/17

Left Out: 825.883 $\pm$ 0.134 χ^2 /NDF: 765050.9/24

Right Out: 684.901 $\pm$ 0.163 χ^2 /NDF: 810778.9/21

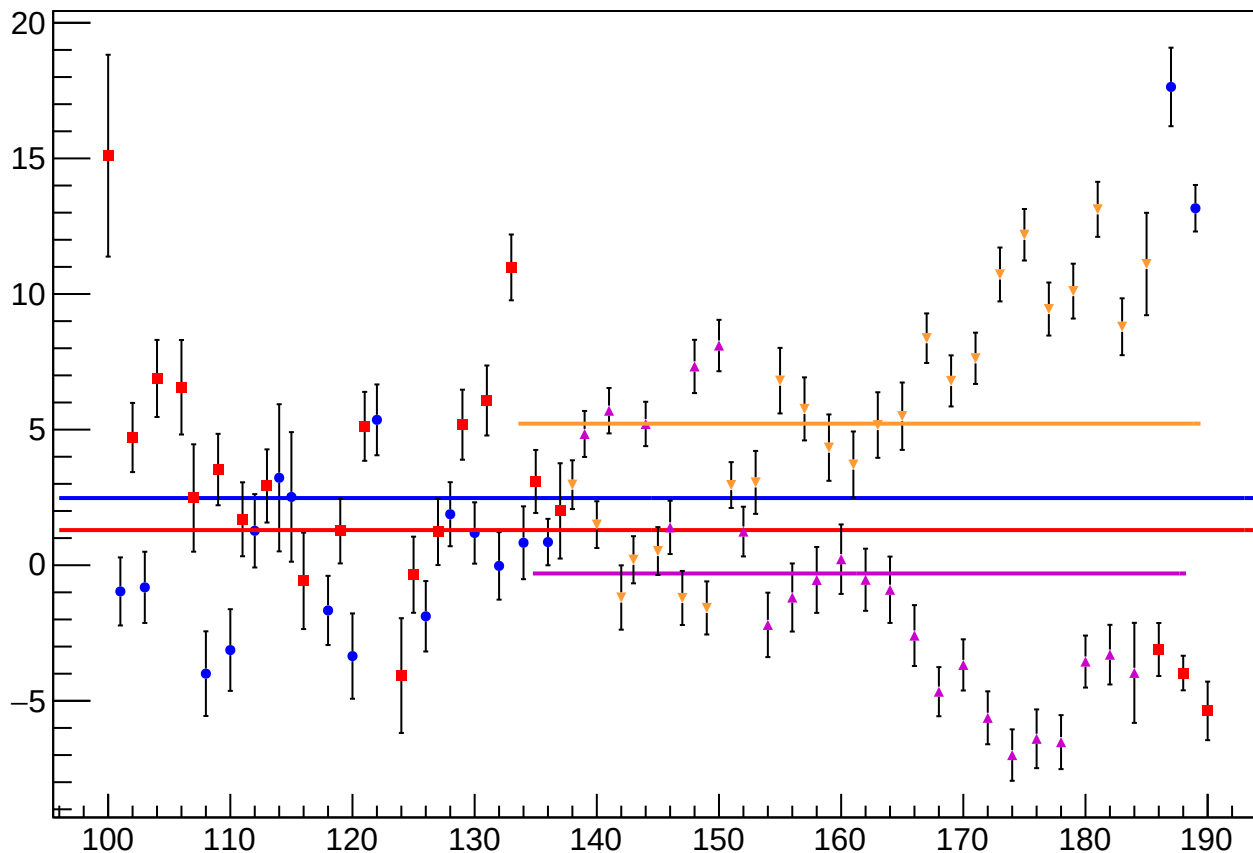
Left In: 837.569 $\pm$ 0.140 χ^2 /NDF: 714157.0/22

+ sign 790.161 $\pm$ 0.109 χ^2 /NDF: 1457766.8/42

All: 781.261 $\pm$ 0.076 χ^2 /NDF: 3500030.8/87

- sign 772.728 $\pm$ 0.106 χ^2 /NDF: 2029093.9/44

diff_bpm2i01Y_mean vs Slug



Right In: 2.476 ± 0.301 χ^2/NDF : 361.7/17

Left Out: 5.219 ± 0.204 χ^2/NDF : 449.9/24

Right Out: 1.296 ± 0.269 χ^2/NDF : 284.2/21

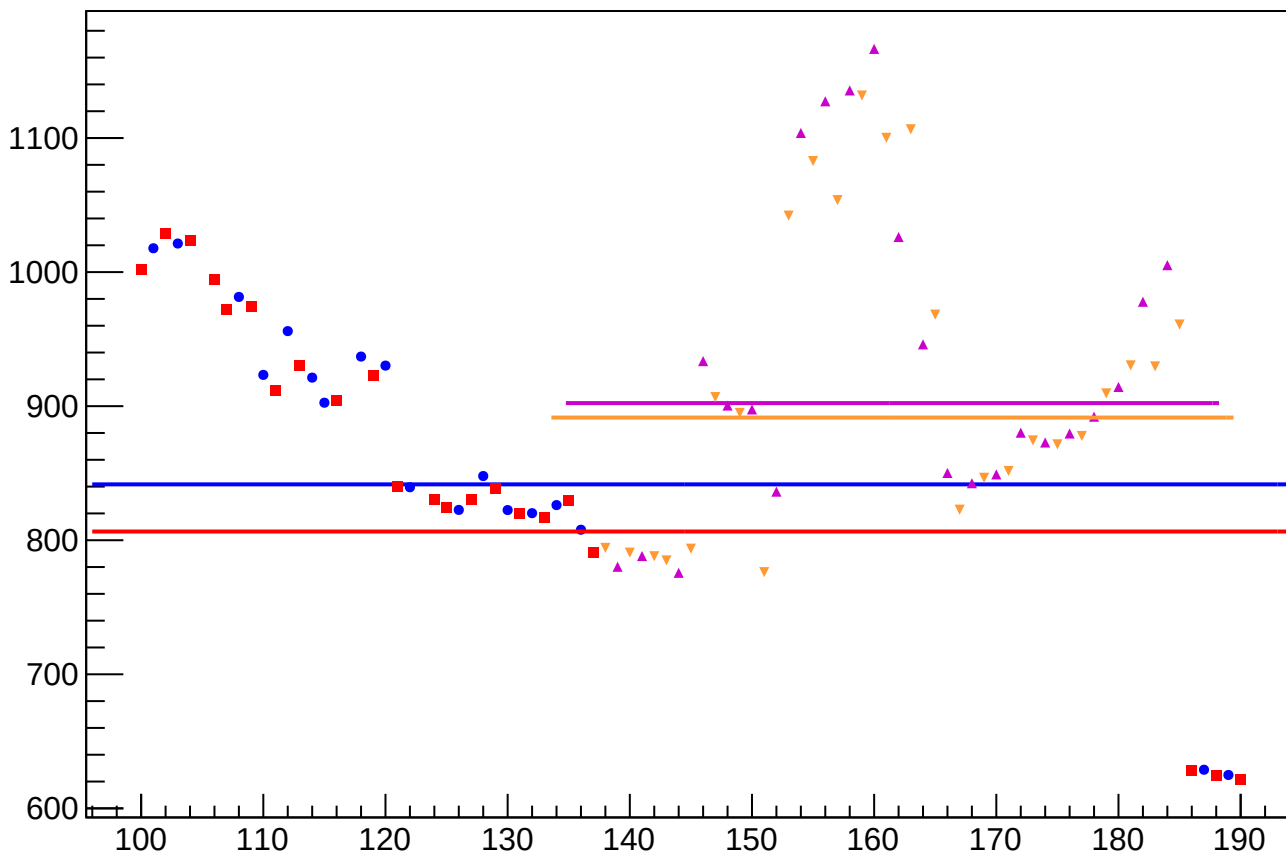
Left In: -0.304 ± 0.213 χ^2/NDF : 495.2/22

+ sign 4.354 ± 0.169 χ^2/NDF : 868.4/42

All: 2.306 ± 0.119 χ^2/NDF : 1959.2/87

- sign 0.310 ± 0.167 χ^2/NDF : 801.1/44

diff_bpm2i01Y_rms vs Slug



Right In: 841.666 $\pm$ 0.213 χ^2 /NDF: 309560.9/17

Left Out: 891.492 $\pm$ 0.145 χ^2 /NDF: 517791.6/24

Right Out: 806.498 $\pm$ 0.191 χ^2 /NDF: 529590.4/21

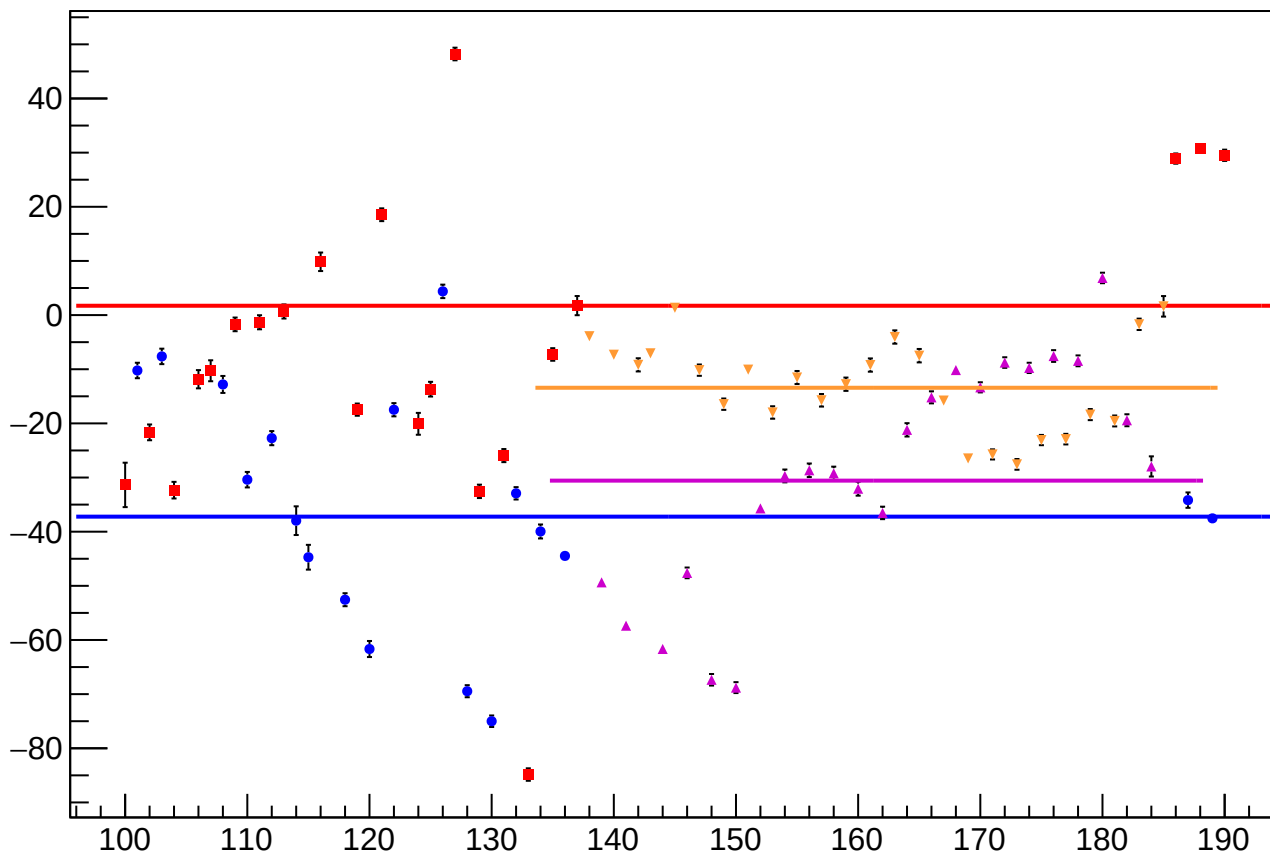
Left In: 902.292 $\pm$ 0.150 χ^2 /NDF: 484924.8/22

+ sign 875.783 $\pm$ 0.120 χ^2 /NDF: 864832.4/42

All: 870.588 $\pm$ 0.084 χ^2 /NDF: 2038831.5/87

- sign 865.526 $\pm$ 0.118 χ^2 /NDF: 1170272.5/44

diff_bpm2i02X_mean vs Slug



Right In: -37.222 ± 0.293 $\chi^2/\text{NDF}: 5189.6/17$

Left Out: -13.420 ± 0.206 $\chi^2/\text{NDF}: 1663.3/24$

Right Out: 1.725 ± 0.262 $\chi^2/\text{NDF}: 14012.7/21$

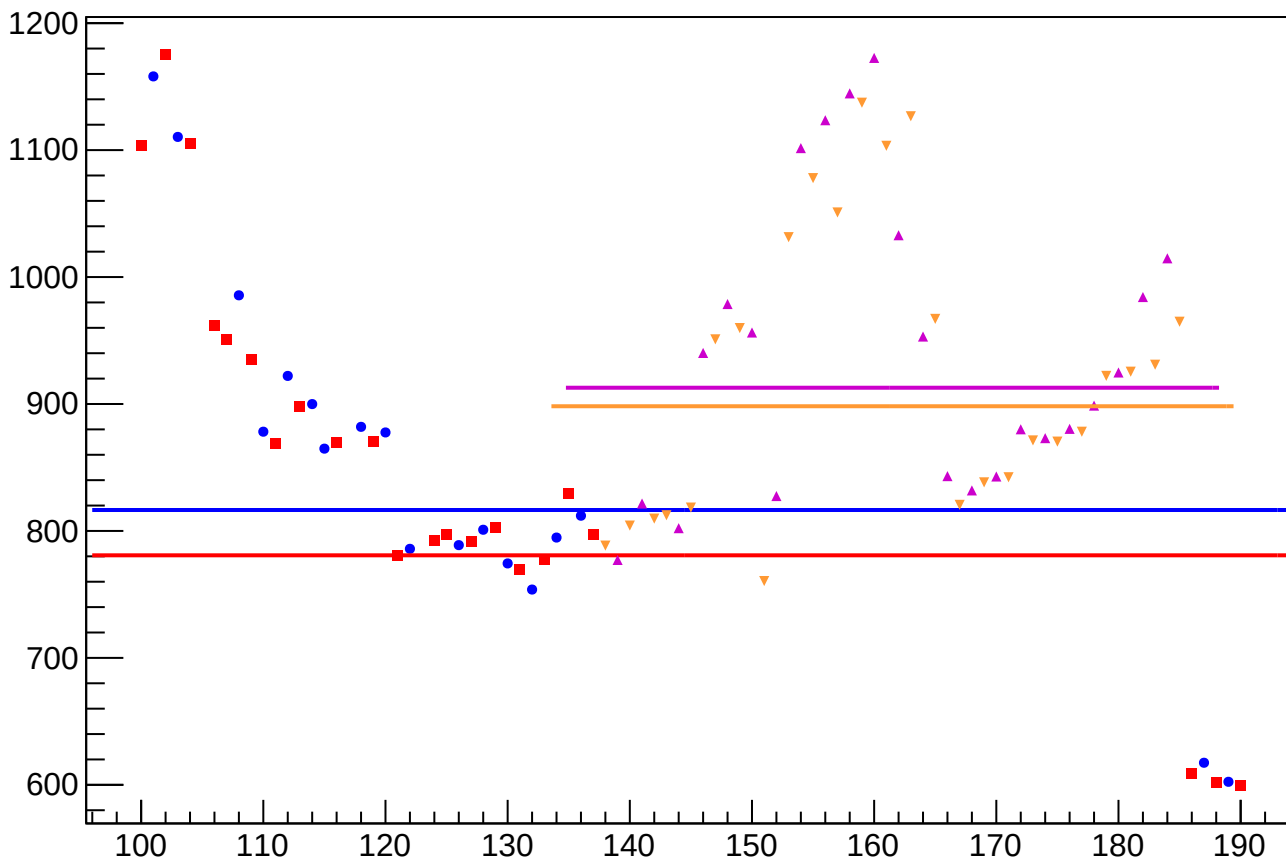
Left In: -30.571 ± 0.215 $\chi^2/\text{NDF}: 10386.5/22$

+ sign -21.278 ± 0.169 $\chi^2/\text{NDF}: 11262.1/42$

All: -19.388 ± 0.118 $\chi^2/\text{NDF}: 44991.5/87$

- sign -17.551 ± 0.166 $\chi^2/\text{NDF}: 33481.6/44$

diff_bpm2i02X_rms vs Slug



Right In: 816.496 $\pm$ 0.207 χ^2 /NDF: 437208.2/17

Left Out: 898.227 $\pm$ 0.146 χ^2 /NDF: 518370.6/24

Right Out: 780.802 $\pm$ 0.185 χ^2 /NDF: 661916.7/21

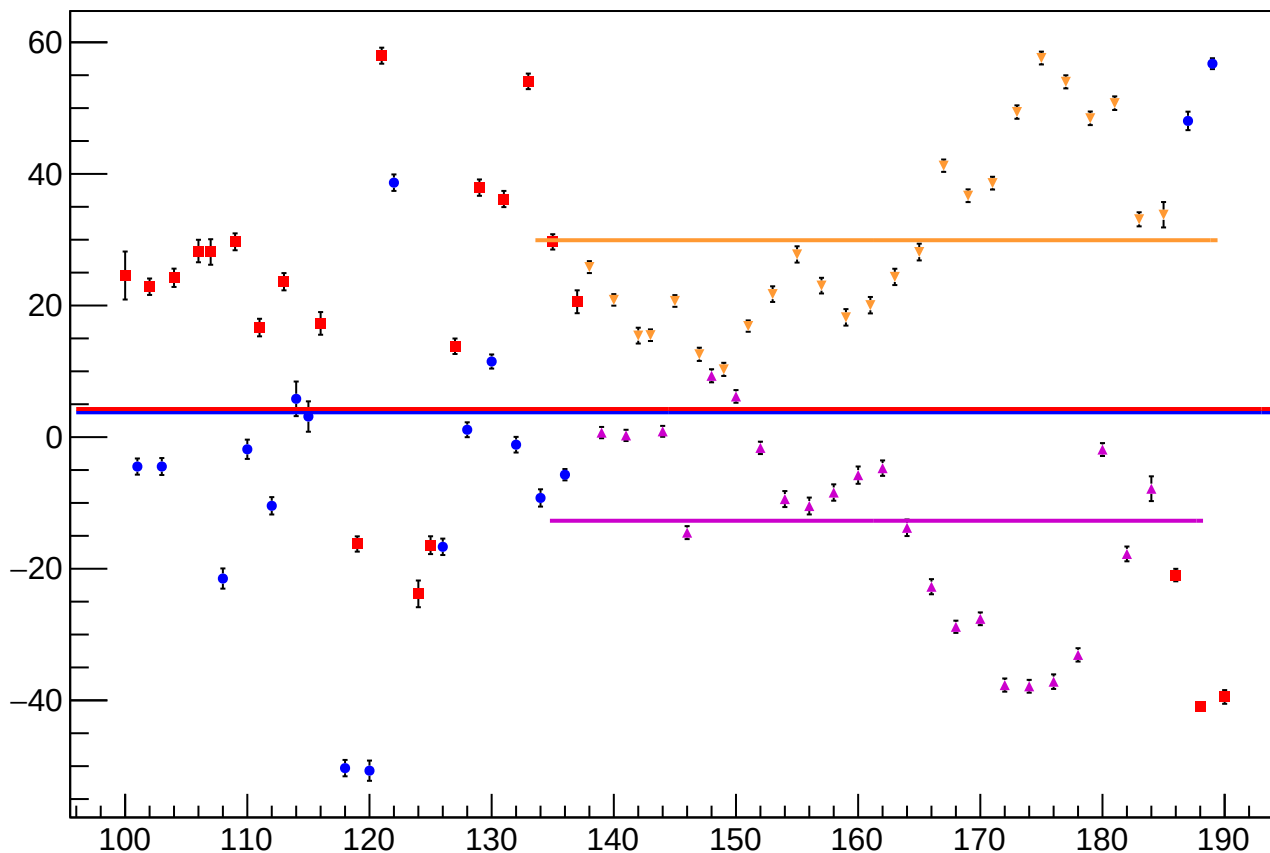
Left In: 912.817 $\pm$ 0.152 χ^2 /NDF: 480021.0/22

+ sign 871.245 $\pm$ 0.119 χ^2 /NDF: 1059559.8/42

All: 865.339 $\pm$ 0.084 χ^2 /NDF: 2509844.6/87

- sign 859.594 $\pm$ 0.118 χ^2 /NDF: 1445441.1/44

diff_bpm2i02Y_mean vs Slug



Right In: 3.770 ± 0.293 $\chi^2/\text{NDF}: 10067.9/17$

Left Out: 29.922 ± 0.209 $\chi^2/\text{NDF}: 4580.4/24$

Right Out: 4.272 ± 0.261 $\chi^2/\text{NDF}: 15958.1/21$

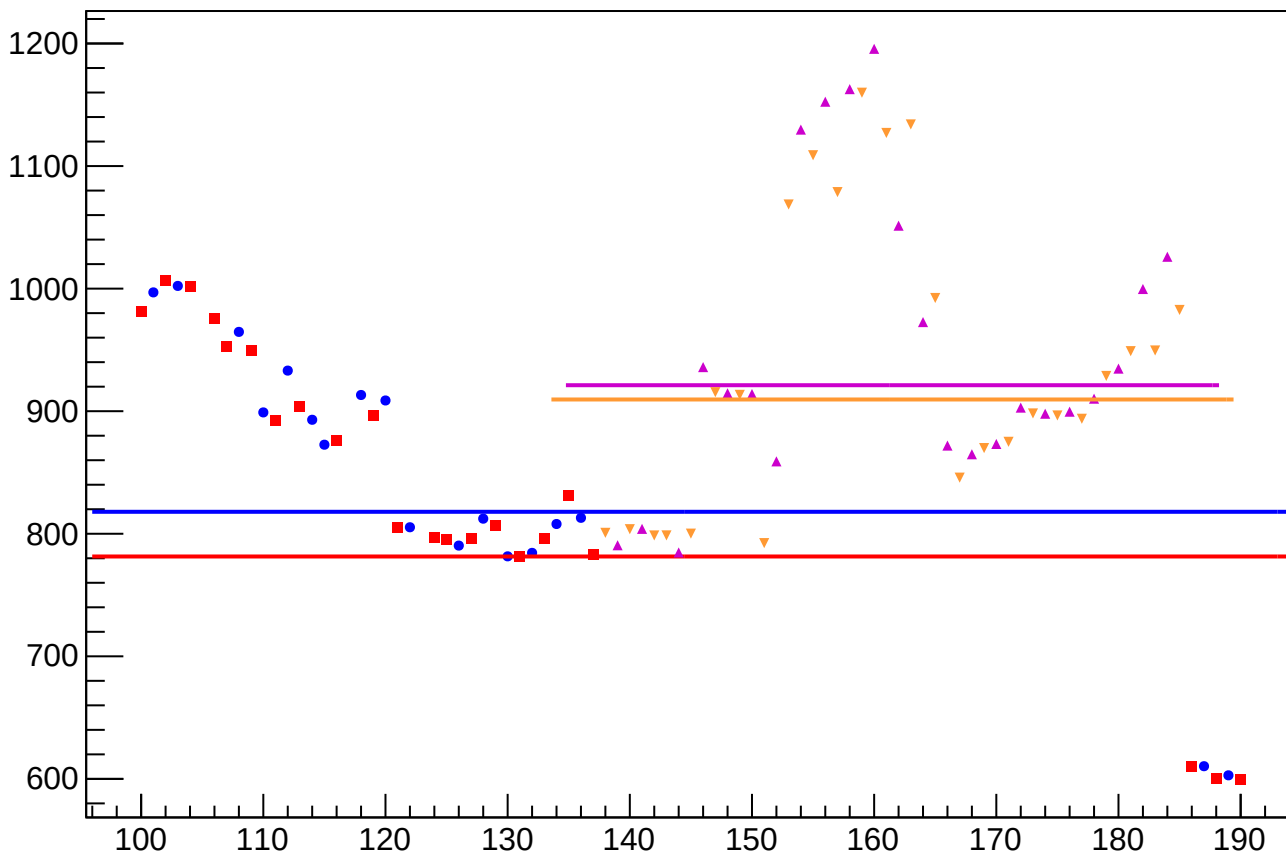
Left In: -12.708 ± 0.217 $\chi^2/\text{NDF}: 4791.2/22$

+ sign 21.121 ± 0.170 $\chi^2/\text{NDF}: 19939.6/42$

All: 7.444 ± 0.119 $\chi^2/\text{NDF}: 55932.4/87$

- sign -5.771 ± 0.167 $\chi^2/\text{NDF}: 23247.8/44$

diff_bpm2i02Y_rms vs Slug



Right In: 817.919 $\pm$ 0.207 χ^2 /NDF: 328512.2/17

Left Out: 909.552 $\pm$ 0.147 χ^2 /NDF: 541710.0/24

Right Out: 781.456 $\pm$ 0.185 χ^2 /NDF: 561026.1/21

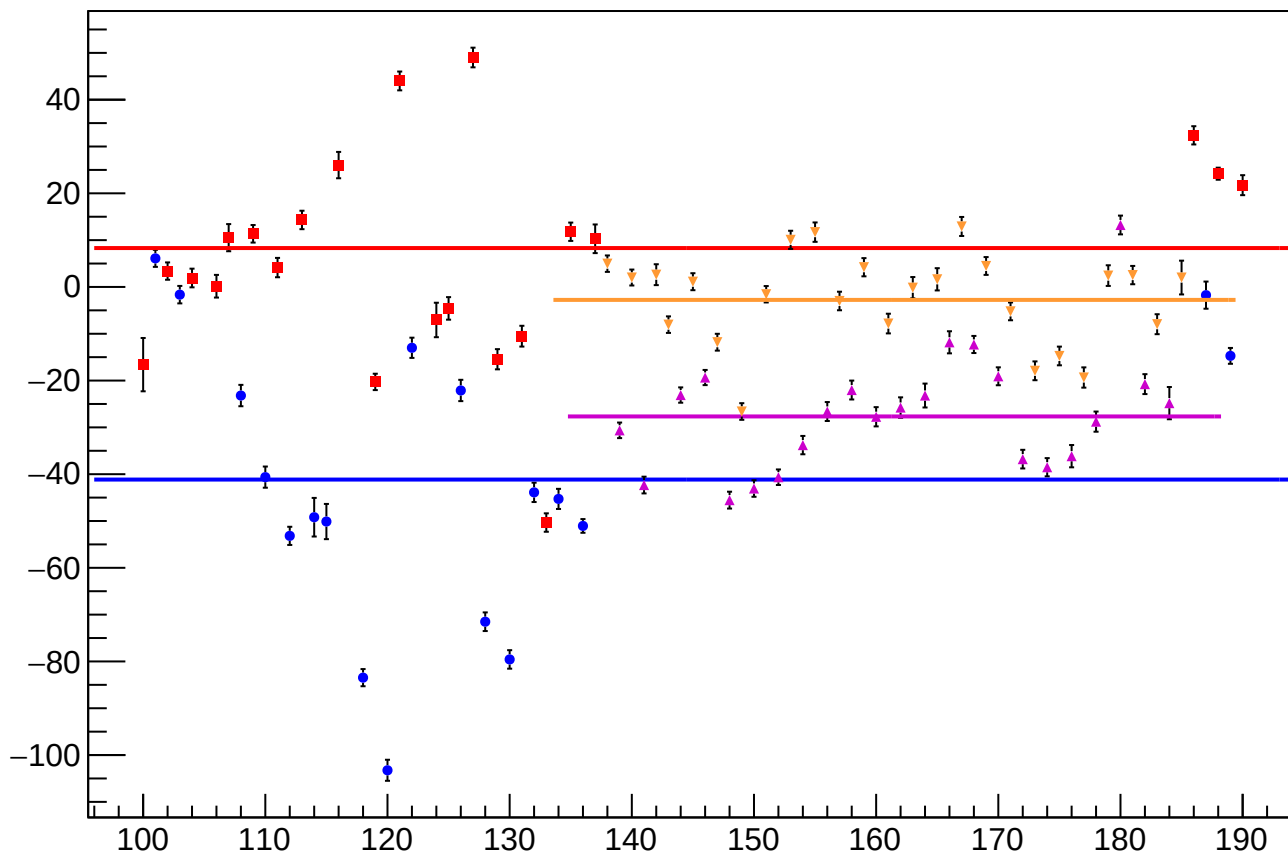
Left In: 921.198 $\pm$ 0.154 χ^2 /NDF: 497337.0/22

+ sign 878.716 $\pm$ 0.120 χ^2 /NDF: 1000145.5/42

All: 871.289 $\pm$ 0.084 χ^2 /NDF: 2404445.4/87

- sign 864.112 $\pm$ 0.118 χ^2 /NDF: 1396783.7/44

diff_bpm0i02X_mean vs Slug



Right In: -41.148 ± 0.490 χ^2/NDF : 3857.9/17

Left Out: -2.767 ± 0.397 χ^2/NDF : 616.1/24

Right Out: 8.307 ± 0.450 χ^2/NDF : 2538.9/21

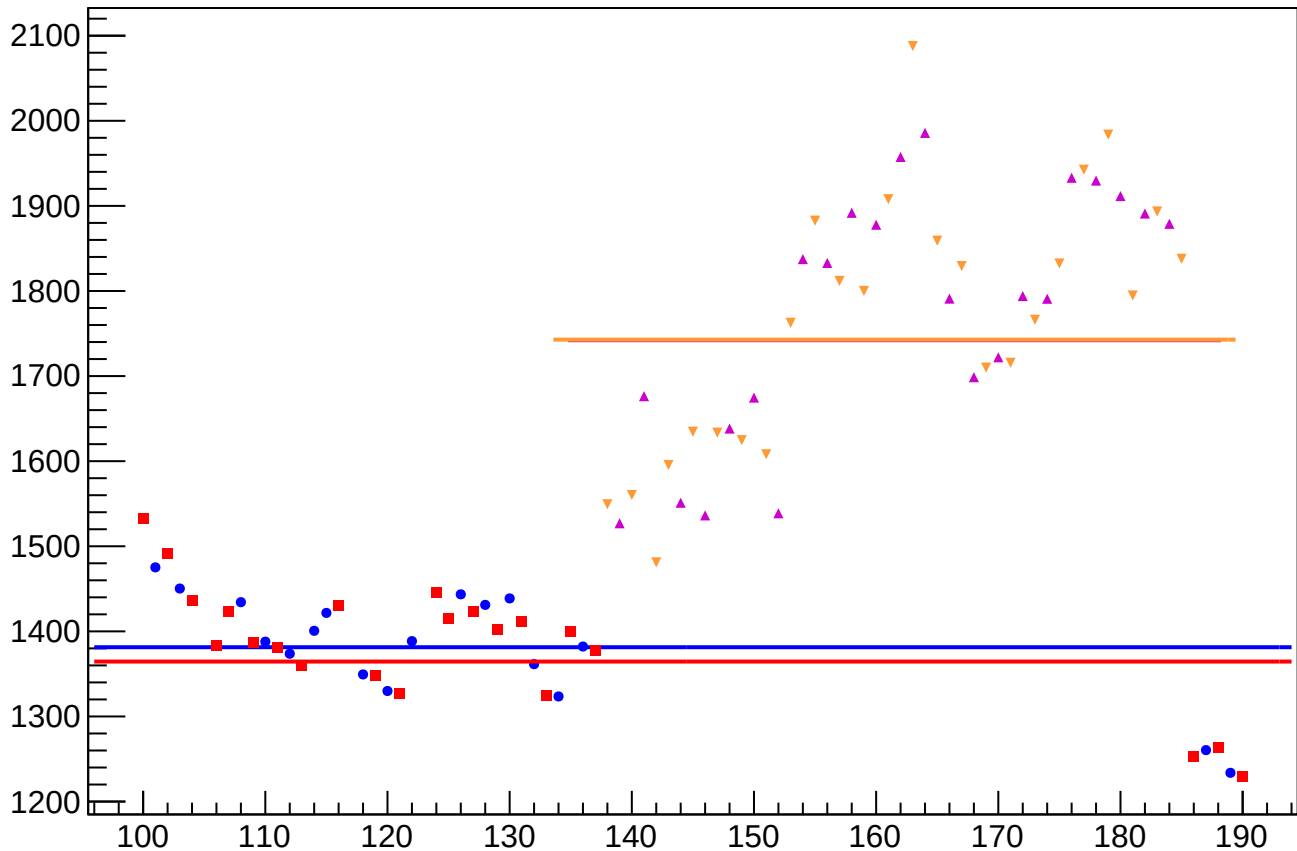
Left In: -27.663 ± 0.409 χ^2/NDF : 989.9/22

+ sign -18.002 ± 0.309 χ^2/NDF : 8176.1/42

All: -14.632 ± 0.216 χ^2/NDF : 15441.4/87

- sign -11.395 ± 0.302 χ^2/NDF : 7031.6/44

diff_bpm0i02X_rms vs Slug



Right In: 1381.373+/-0.346 χ^2/NDF : 35859.6/17

Left Out: 1742.842+/-0.281 χ^2/NDF : 263118.4/24

Right Out: 1364.515+/-0.318 χ^2/NDF : 50452.5/21

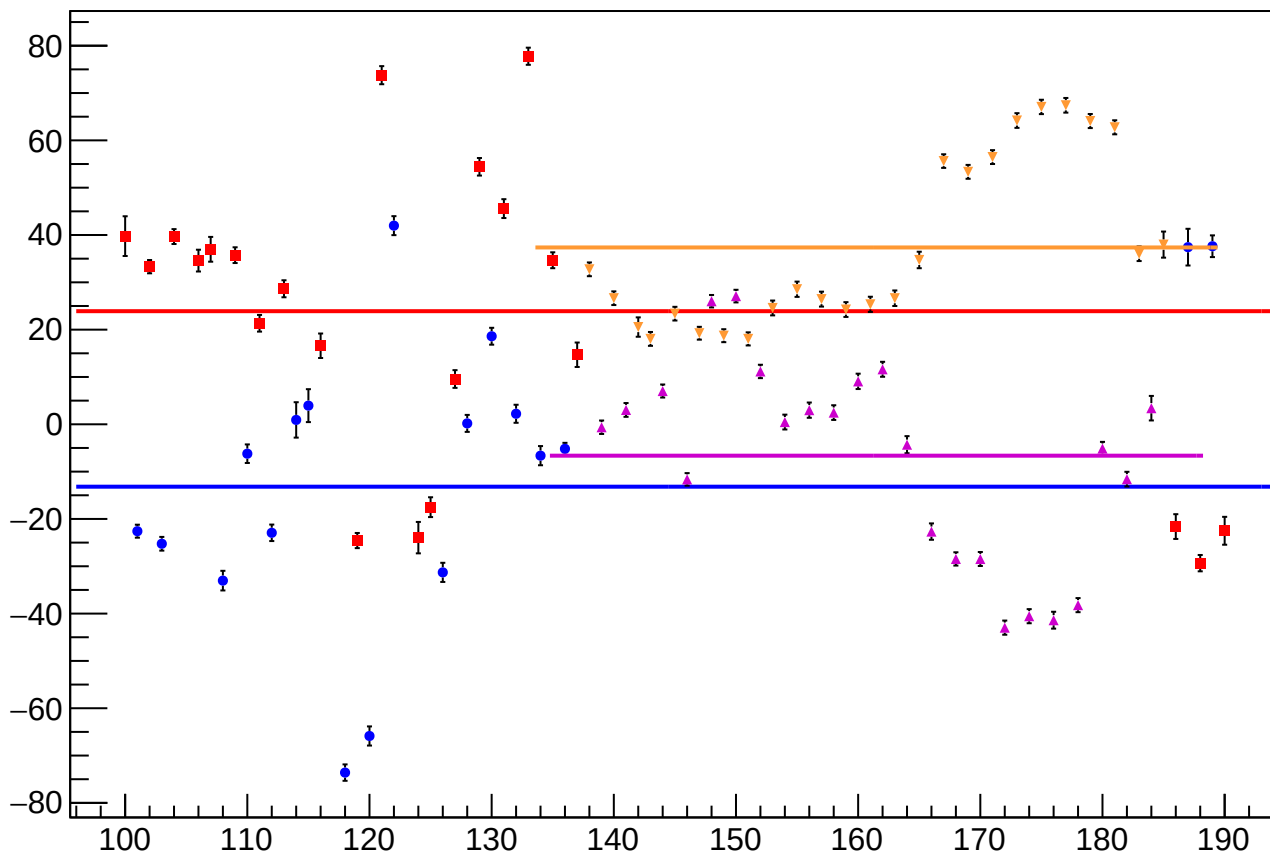
Left In: 1742.153+/-0.289 χ^2/NDF : 261606.6/22

+ sign 1599.366+/-0.218 χ^2/NDF : 955732.1/42

All: 1585.080+/-0.153 χ^2/NDF : 2048379.4/87

- sign 1571.356+/-0.214 χ^2/NDF : 1084244.8/44

diff_bpm0i02Y_mean vs Slug



Right In: -13.183 ± 0.444 χ^2/NDF : 4172.9/17

Left Out: 37.369 ± 0.308 χ^2/NDF : 3395.8/24

Right Out: 23.903 ± 0.420 χ^2/NDF : 5359.8/21

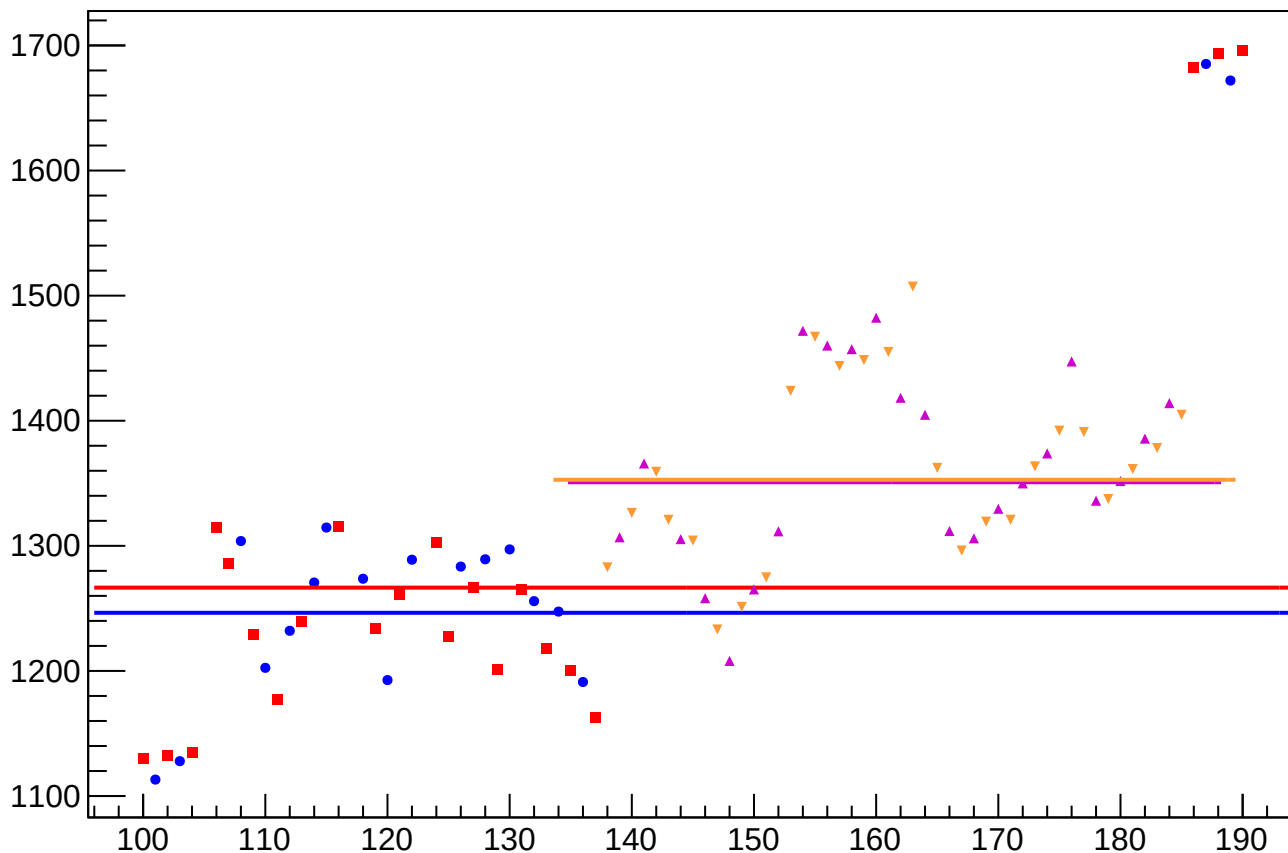
Left In: -6.631 ± 0.316 χ^2/NDF : 4410.3/22

+ sign 20.936 ± 0.253 χ^2/NDF : 16333.1/42

All: 12.658 ± 0.179 χ^2/NDF : 31614.6/87

- sign 4.400 ± 0.253 χ^2/NDF : 13141.5/44

diff_bpm0i02Y_rms vs Slug



Right In: 1246.473+/-0.314 χ^2/NDF : 140162.4/17

Left Out: 1352.820+/-0.218 χ^2/NDF : 104845.3/24

Right Out: 1266.589+/-0.297 χ^2/NDF : 270083.5/21

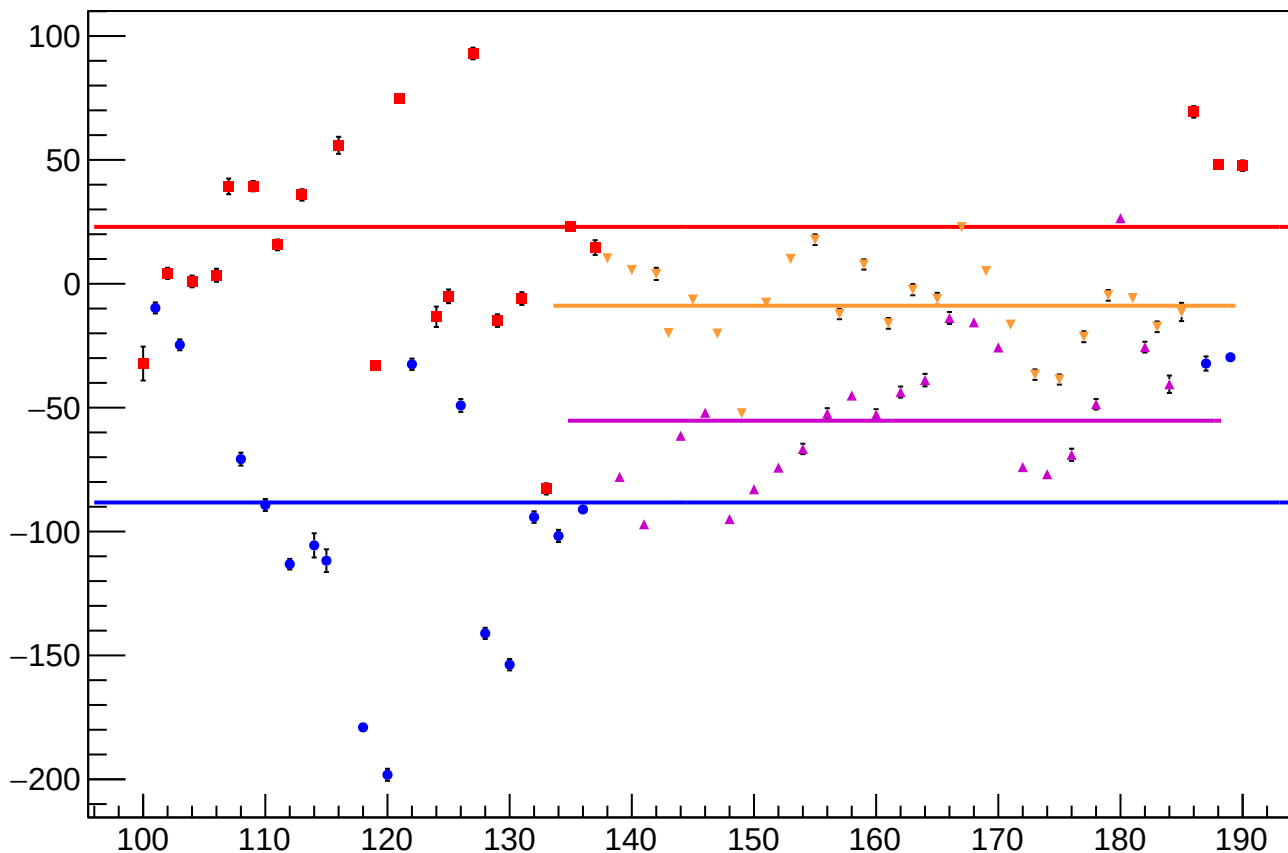
Left In: 1350.830+/-0.223 χ^2/NDF : 108618.5/22

+ sign 1318.251+/-0.179 χ^2/NDF : 322583.4/42

All: 1319.325+/-0.126 χ^2/NDF : 752681.8/87

- sign 1320.396+/-0.179 χ^2/NDF : 430026.4/44

diff_bpm0i02aX_mean vs Slug



Right In: -88.269 ± 0.538 χ^2/NDF : 10138.2/17

Left Out: -8.859 ± 0.407 χ^2/NDF : 1953.2/24

Right Out: 22.964 ± 0.493 χ^2/NDF : 6513.8/21

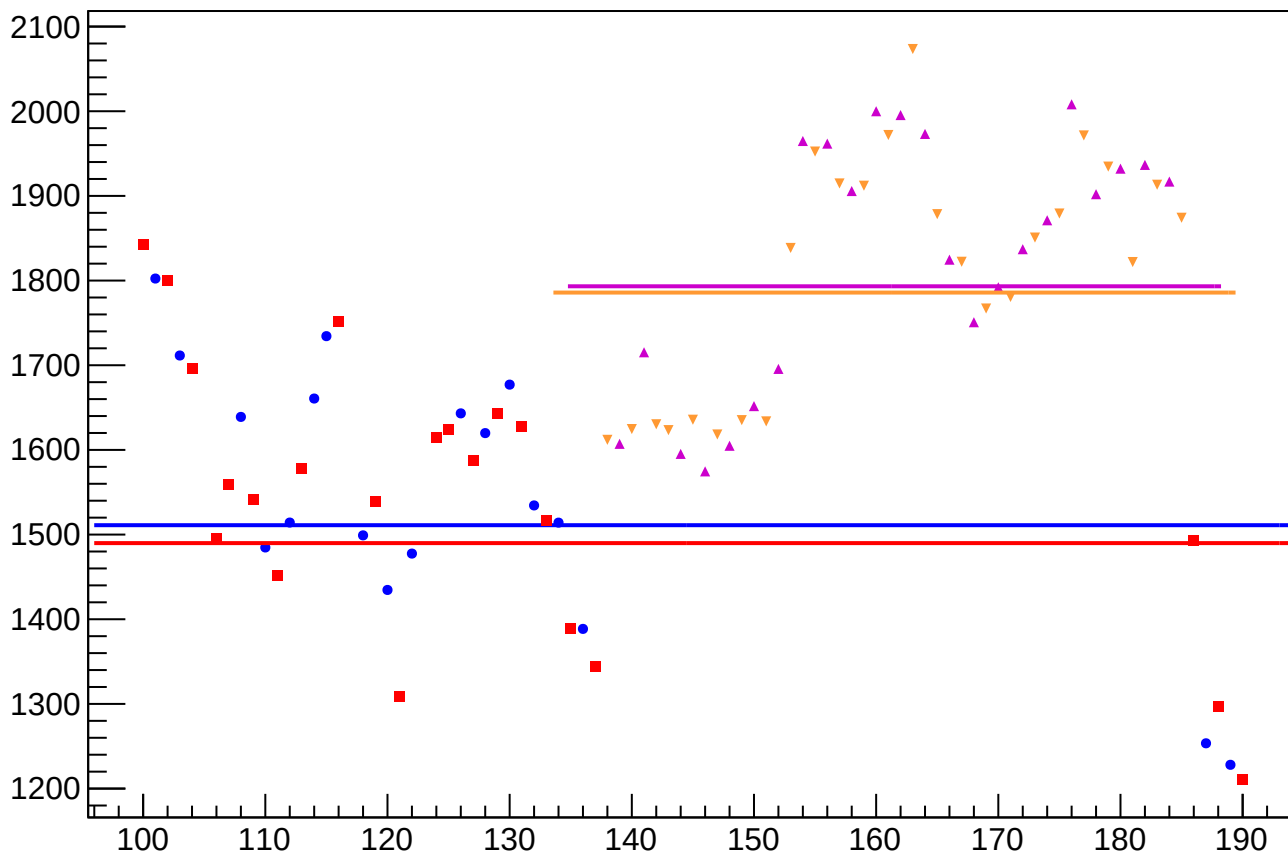
Left In: -55.266 ± 0.420 χ^2/NDF : 4736.1/22

+ sign -37.757 ± 0.325 χ^2/NDF : 25932.3/42

All: -29.942 ± 0.228 χ^2/NDF : 52887.6/87

- sign -22.352 ± 0.320 χ^2/NDF : 25813.6/44

diff_bpm0i02aX_rms vs Slug



Right In: 1511.084 $\pm$ 0.381 χ^2 /NDF: 171670.3/17

Left Out: 1785.836 $\pm$ 0.288 χ^2 /NDF: 237239.4/24

Right Out: 1489.926 $\pm$ 0.349 χ^2 /NDF: 205831.9/21

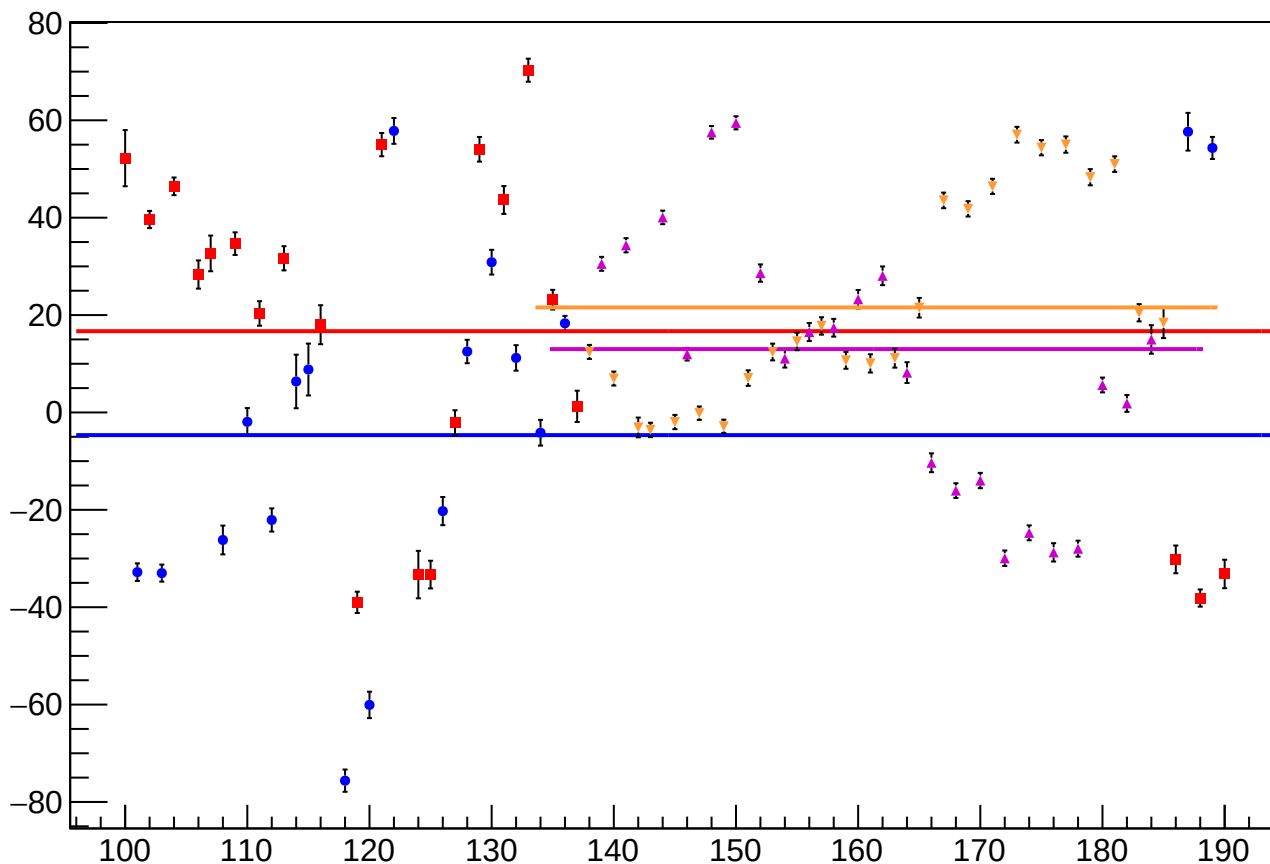
Left In: 1793.249 $\pm$ 0.297 χ^2 /NDF: 252788.2/22

+ sign 1685.852 $\pm$ 0.230 χ^2 /NDF: 740293.6/42

All: 1675.593 $\pm$ 0.161 χ^2 /NDF: 1640736.6/87

- sign 1665.630 $\pm$ 0.226 χ^2 /NDF: 896508.4/44

diff_bpm0i02aY_mean vs Slug



Right In: -4.655 ± 0.576 $\chi^2/\text{NDF}: 4032.3/17$

Left Out: 21.567 ± 0.330 $\chi^2/\text{NDF}: 4160.8/24$

Right Out: 16.693 ± 0.537 $\chi^2/\text{NDF}: 4354.6/21$

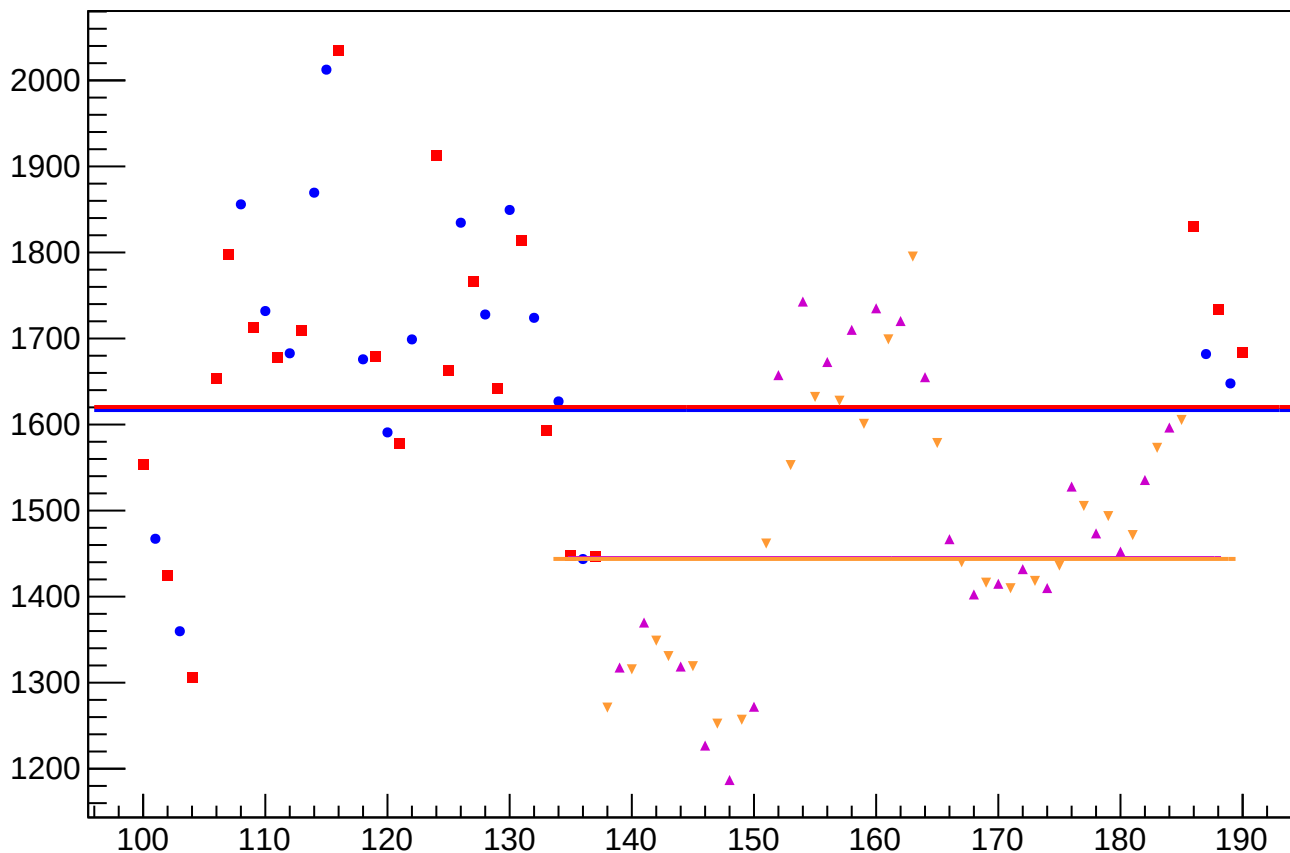
Left In: 13.014 ± 0.340 $\chi^2/\text{NDF}: 6627.2/22$

+ sign 15.095 ± 0.286 $\chi^2/\text{NDF}: 9752.1/42$

All: 14.583 ± 0.203 $\chi^2/\text{NDF}: 20773.9/87$

- sign 14.067 ± 0.287 $\chi^2/\text{NDF}: 11015.3/44$

diff_bpm0i02aY_rms vs Slug



Right In: 1616.862 $\pm$ 0.408 χ^2 /NDF: 155725.5/17

Left Out: 1443.826 $\pm$ 0.233 χ^2 /NDF: 352397.9/24

Right Out: 1620.376 $\pm$ 0.380 χ^2 /NDF: 184102.7/21

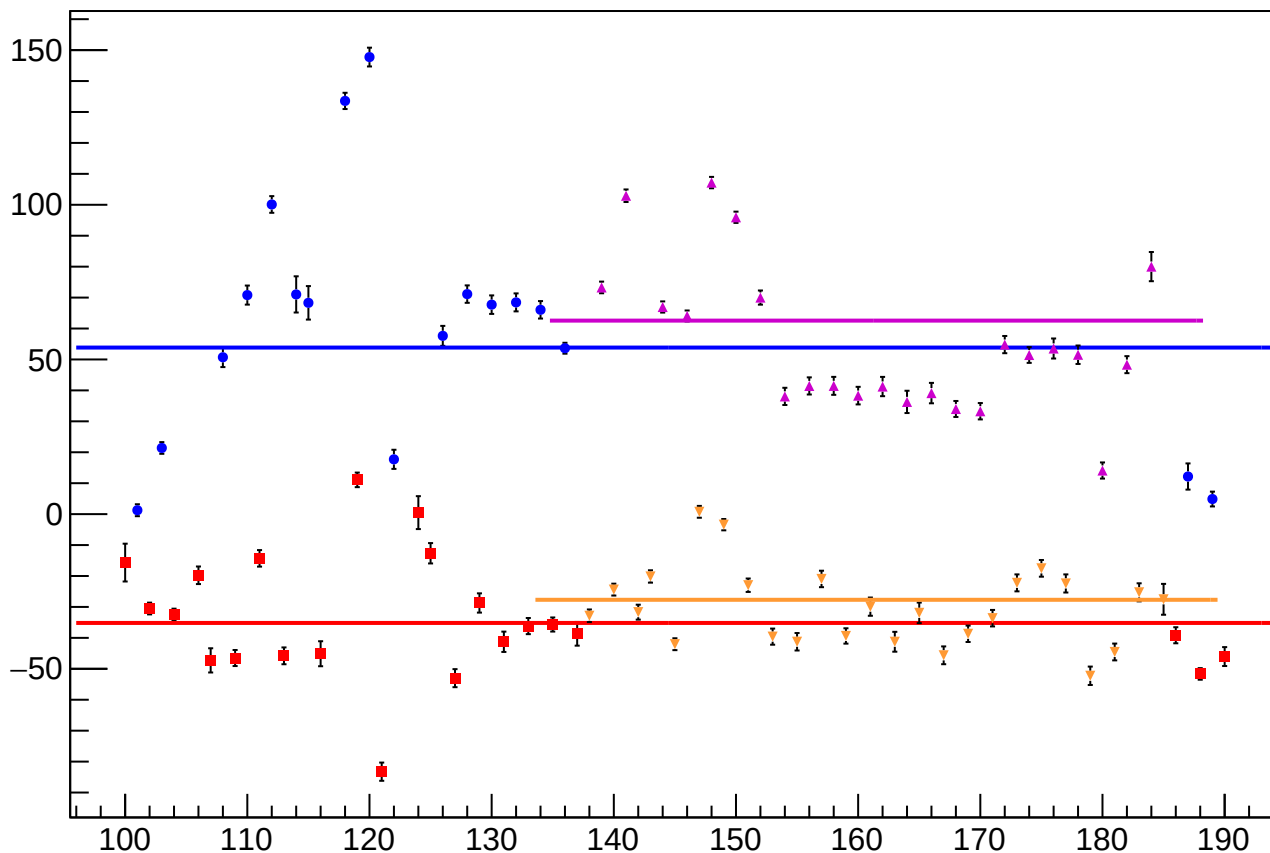
Left In: 1444.817 $\pm$ 0.240 χ^2 /NDF: 485230.7/22

+ sign 1486.532 $\pm$ 0.202 χ^2 /NDF: 643903.7/42

All: 1490.786 $\pm$ 0.143 χ^2 /NDF: 1466726.3/87

- sign 1495.069 $\pm$ 0.203 χ^2 /NDF: 821936.5/44

diff_bpm0i05X_mean vs Slug



Right In: 53.845 ± 0.640 χ^2/NDF : 4012.2/17

Left Out: -27.692 ± 0.496 χ^2/NDF : 766.1/24

Right Out: -35.176 ± 0.585 χ^2/NDF : 1040.6/21

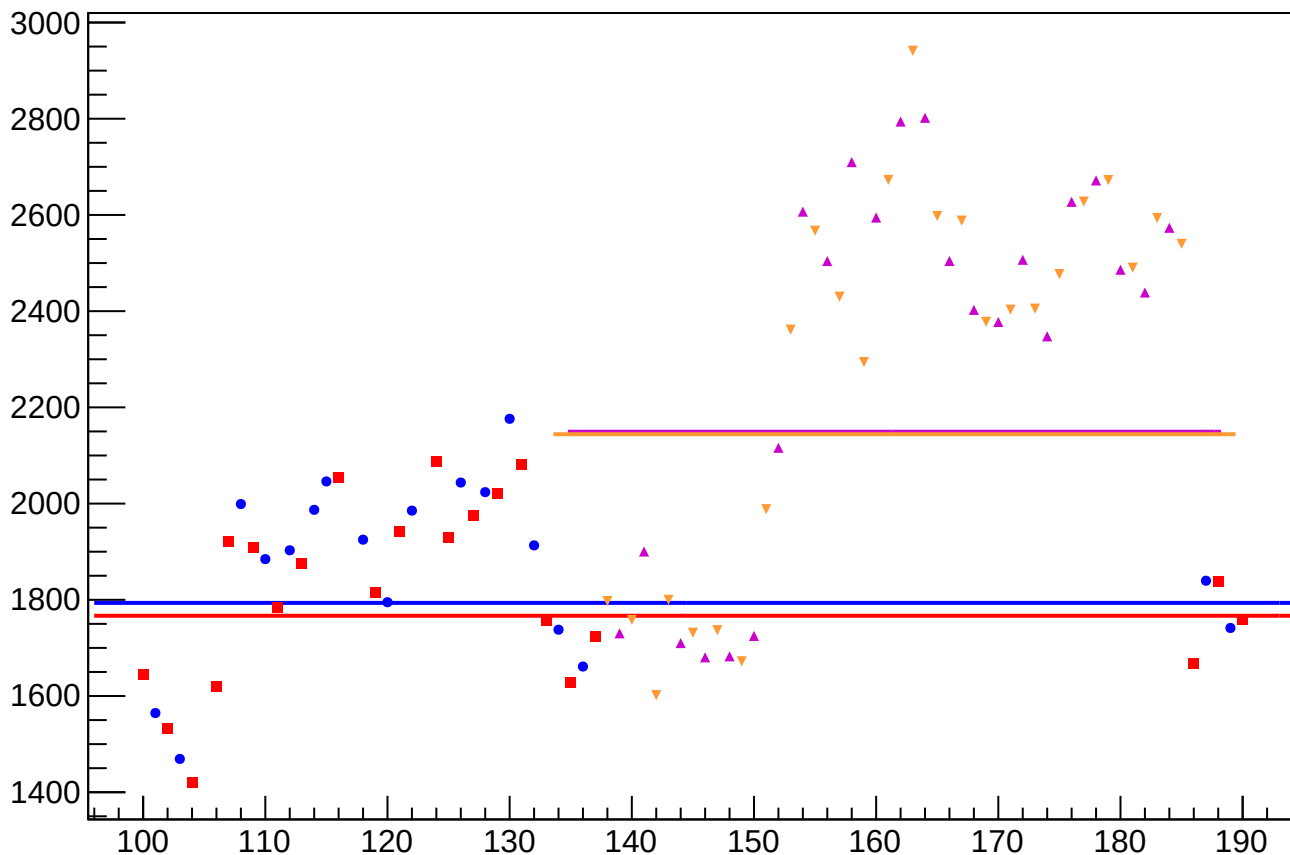
Left In: 62.558 ± 0.512 χ^2/NDF : 2458.2/22

+ sign 2.909 ± 0.392 χ^2/NDF : 14919.4/42

All: 11.715 ± 0.275 χ^2/NDF : 35209.9/87

- sign 20.220 ± 0.385 χ^2/NDF : 19298.7/44

diff_bpm0i05X_rms vs Slug



Right In: 1793.601+/-0.453 χ^2/NDF : 194396.6/17

Left Out: 2144.219+/-0.351 χ^2/NDF : 1279852.9/24

Right Out: 1766.894+/-0.414 χ^2/NDF : 195800.0/21

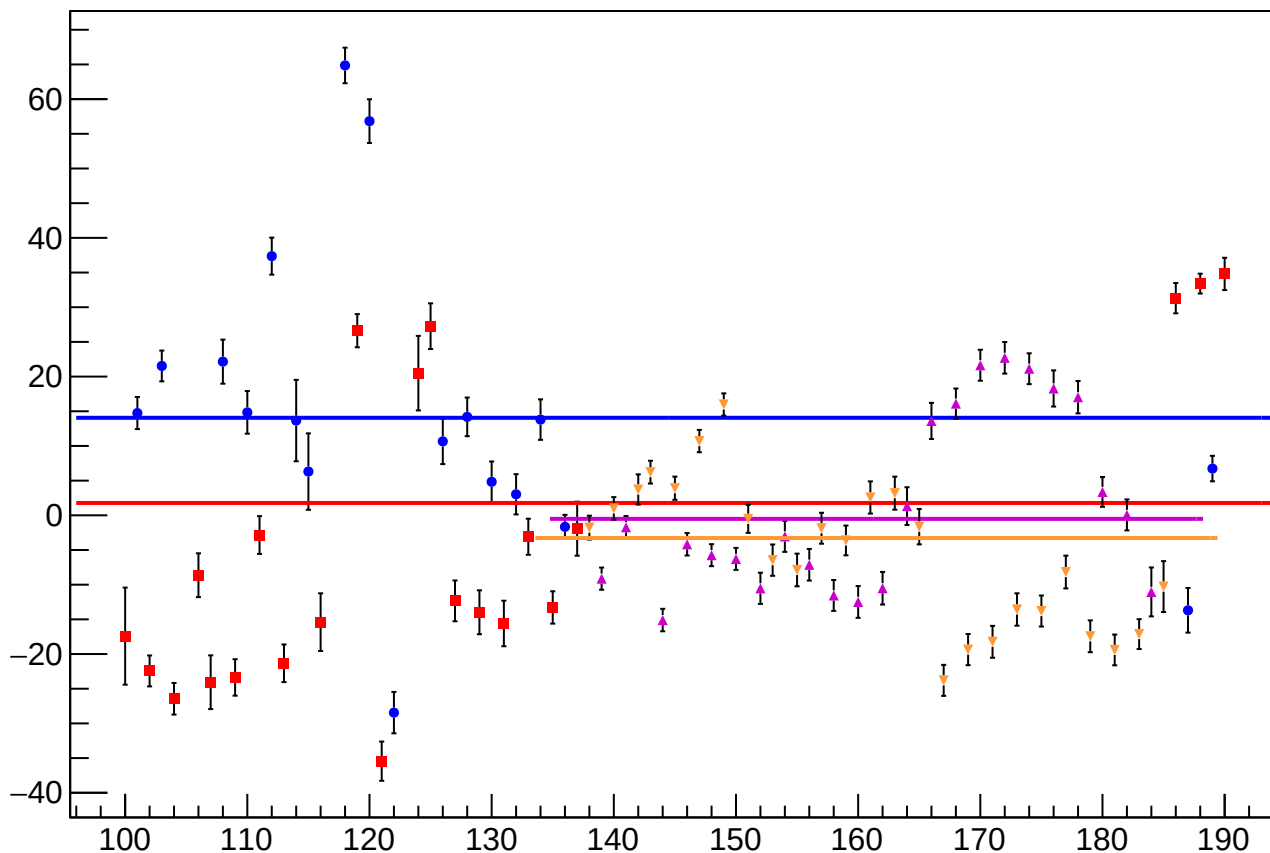
Left In: 2149.354+/-0.362 χ^2/NDF : 1265722.5/22

+ sign 2012.631+/-0.277 χ^2/NDF : 1849283.2/42

All: 1997.901+/-0.194 χ^2/NDF : 3800273.3/87

- sign 1983.675+/-0.272 χ^2/NDF : 1945440.0/44

diff_bpm0i05Y_mean vs Slug



Right In: 14.060 $\pm$ 0.637 χ^2 /NDF: 1074.5/17

Left Out: -3.275 $\pm$ 0.415 χ^2 /NDF: 671.1/24

Right Out: 1.781 $\pm$ 0.571 χ^2 /NDF: 1865.6/21

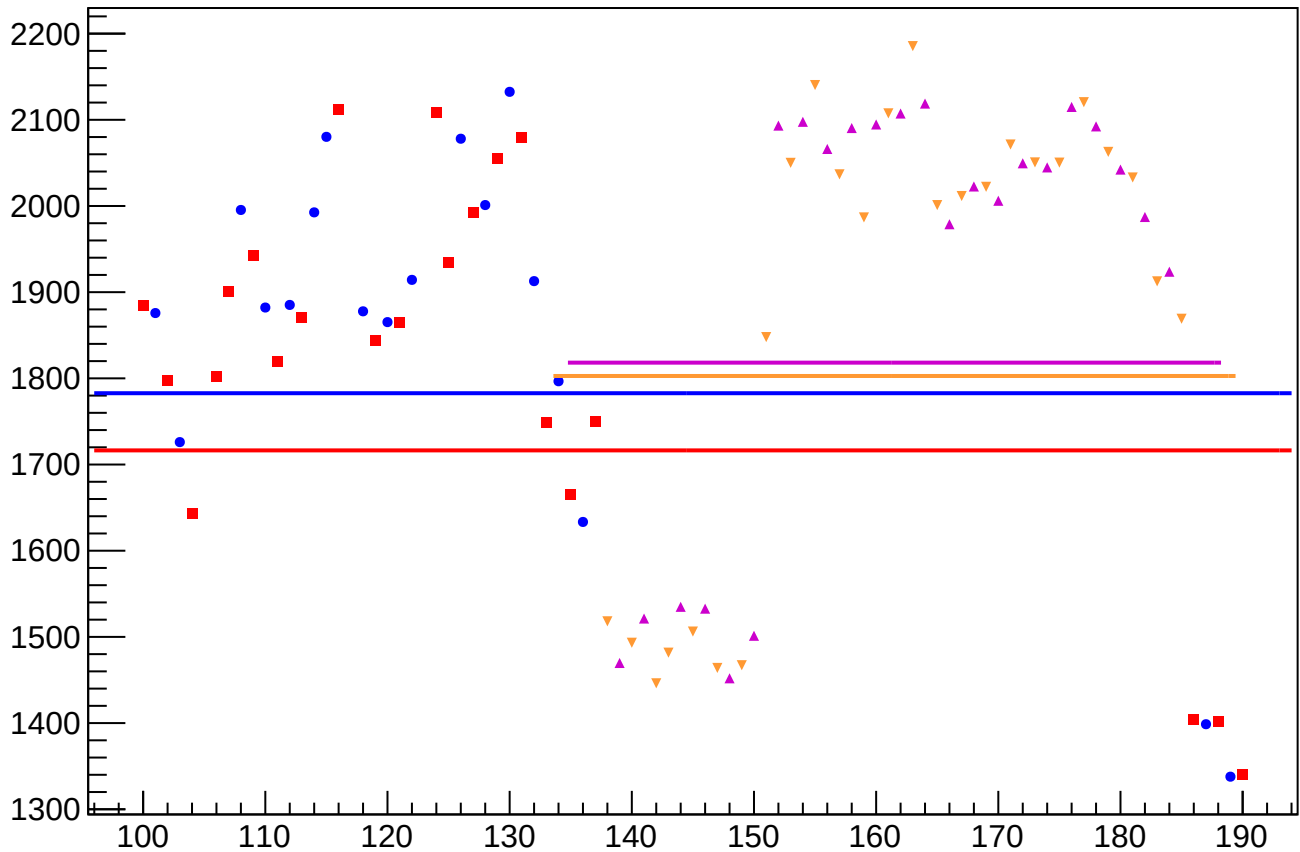
Left In: -0.511 $\pm$ 0.430 χ^2 /NDF: 745.8/22

+ sign 1.882 $\pm$ 0.348 χ^2 /NDF: 2265.5/42

All: 1.091 $\pm$ 0.244 χ^2 /NDF: 4897.5/87

- sign 0.318 $\pm$ 0.343 χ^2 /NDF: 2621.7/44

diff_bpm0i05Y_rms vs Slug



Right In: 1782.758 $\pm$ 0.451 χ^2 /NDF: 256664.3/17

Left Out: 1802.748 $\pm$ 0.293 χ^2 /NDF: 897375.1/24

Right Out: 1716.414 $\pm$ 0.404 χ^2 /NDF: 340595.4/21

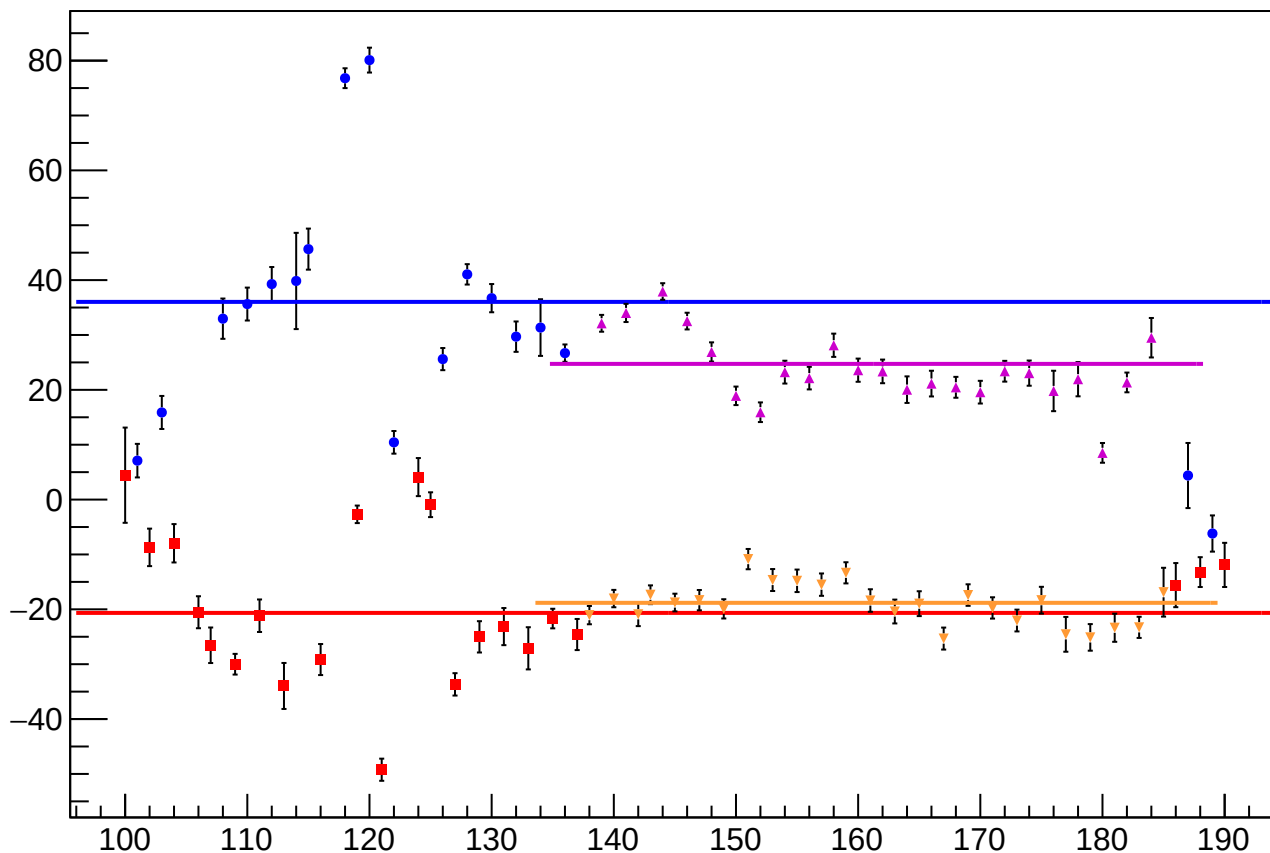
Left In: 1818.225 $\pm$ 0.304 χ^2 /NDF: 840353.0/22

+ sign 1796.801 $\pm$ 0.246 χ^2 /NDF: 1155422.5/42

All: 1789.002 $\pm$ 0.173 χ^2 /NDF: 2378967.8/87

- sign 1781.390 $\pm$ 0.243 χ^2 /NDF: 1221555.0/44

diff_bpm0i07X_mean vs Slug



Right In: 36.031 ± 0.608 χ^2/NDF : 1450.7/17

Left Out: -18.816 ± 0.402 χ^2/NDF : 74.9/24

Right Out: -20.652 ± 0.568 χ^2/NDF : 597.6/21

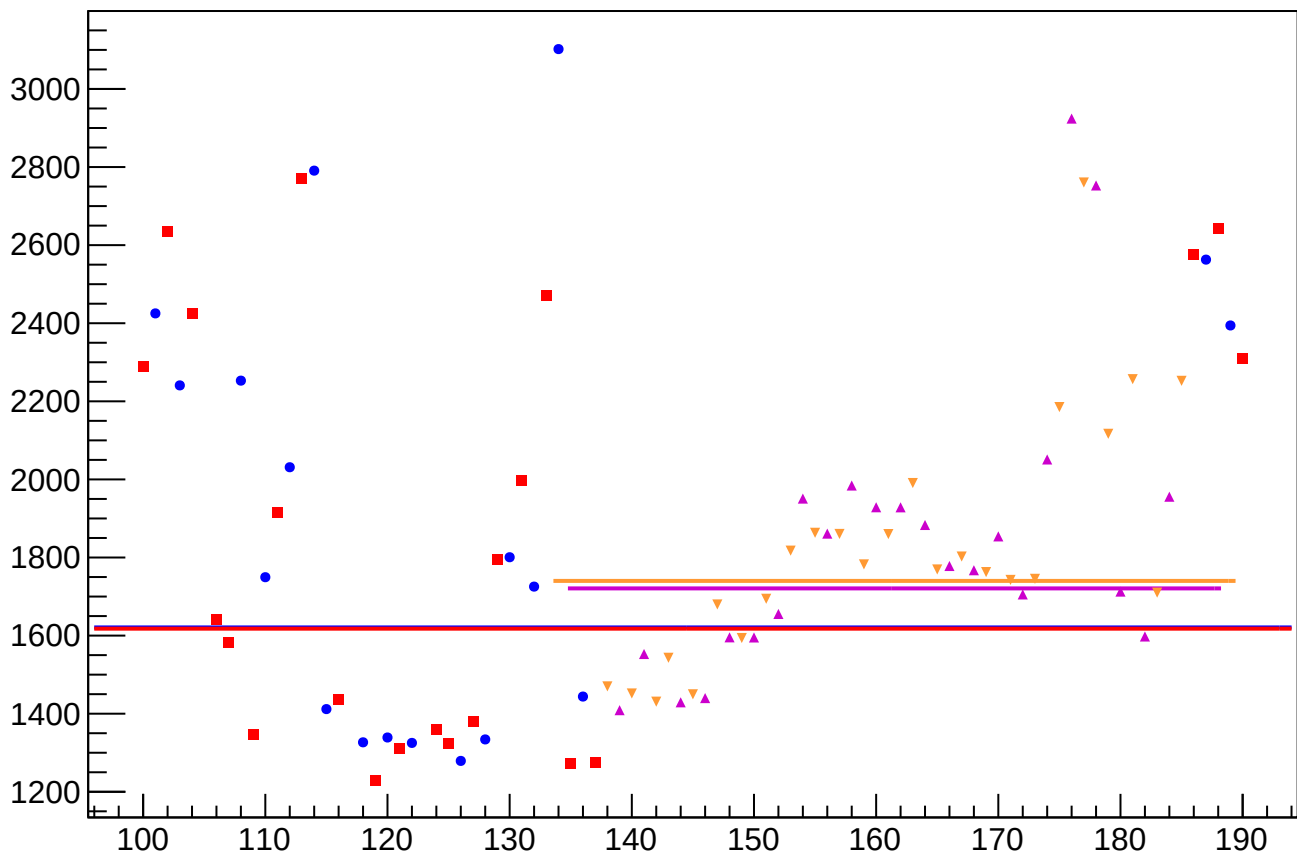
Left In: 24.731 ± 0.409 χ^2/NDF : 308.0/22

+ sign -2.150 ± 0.335 χ^2/NDF : 7183.7/42

All: 3.604 ± 0.236 χ^2/NDF : 12881.0/87

- sign 9.234 ± 0.332 χ^2/NDF : 5114.8/44

diff_bpm0i07X_rms vs Slug



Right In: 1620.916 $\pm$ 0.430 χ^2 /NDF: 955306.3/17

Left Out: 1740.089 $\pm$ 0.284 χ^2 /NDF: 753377.5/24

Right Out: 1617.788 $\pm$ 0.401 χ^2 /NDF: 1448472.7/21

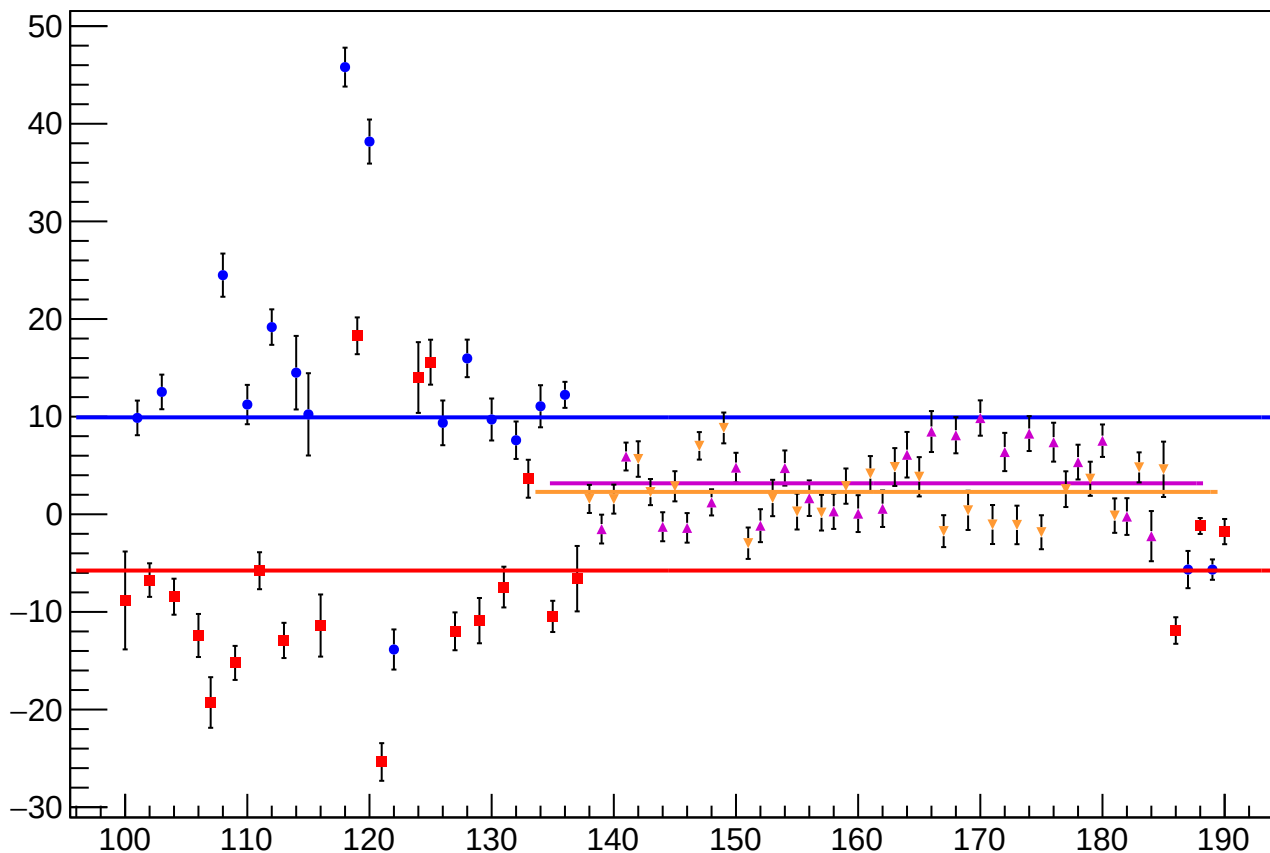
Left In: 1720.864 $\pm$ 0.289 χ^2 /NDF: 883990.4/22

+ sign 1703.878 $\pm$ 0.237 χ^2 /NDF: 1762111.7/42

All: 1694.673 $\pm$ 0.167 χ^2 /NDF: 4140980.2/87

- sign 1685.667 $\pm$ 0.235 χ^2 /NDF: 2375887.4/44

diff_bpm0i07Y_mean vs Slug



Right In: 9.929 ± 0.442 χ^2/NDF : 992.4/17

Left Out: 2.293 ± 0.343 χ^2/NDF : 73.5/24

Right Out: -5.762 ± 0.380 χ^2/NDF : 578.5/21

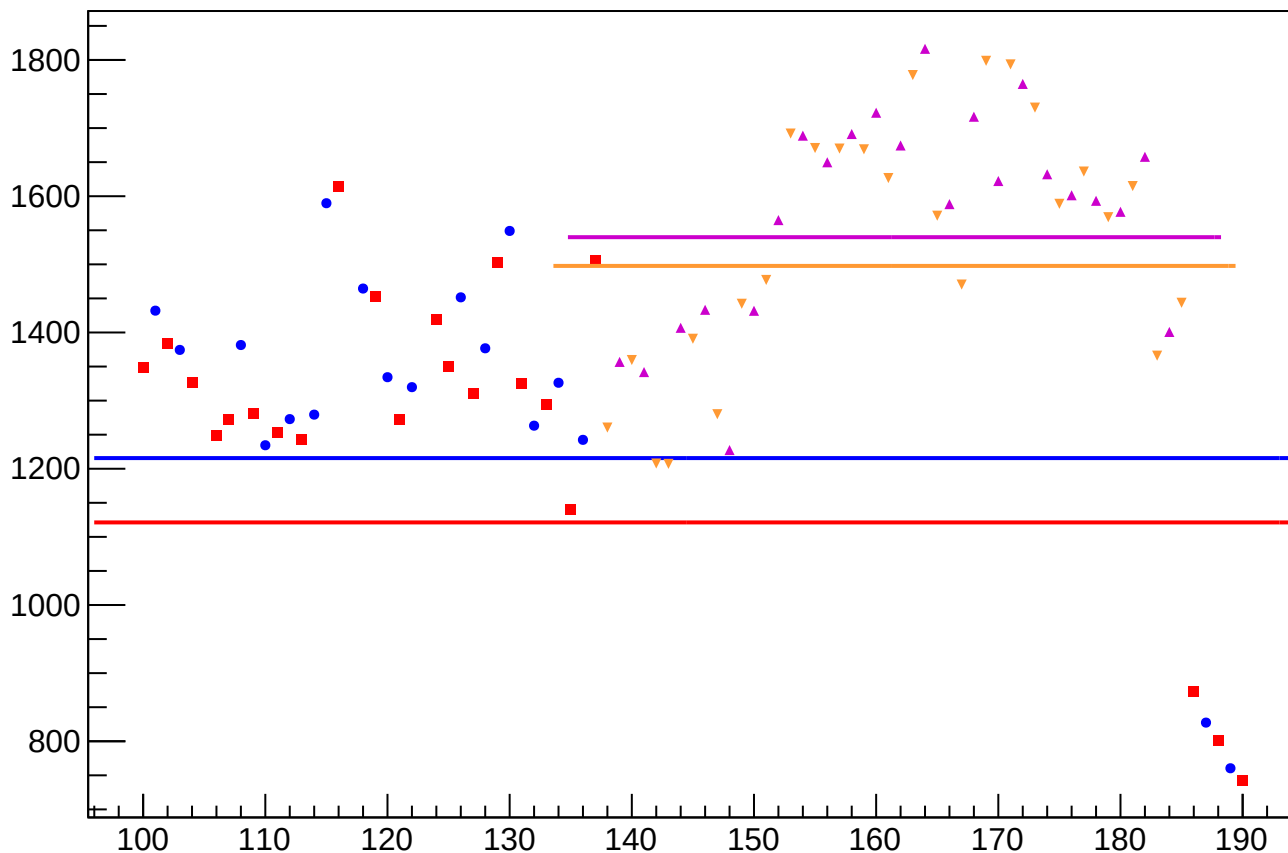
Left In: 3.173 ± 0.362 χ^2/NDF : 110.4/22

+ sign 5.169 ± 0.271 χ^2/NDF : 1252.0/42

All: 1.940 ± 0.189 χ^2/NDF : 2504.5/87

- sign -1.081 ± 0.262 χ^2/NDF : 978.2/44

diff_bpm0i07Y_rms vs Slug



Right In: 1215.641 $\pm$ 0.312 χ^2 /NDF: 670920.1/17

Left Out: 1497.713 $\pm$ 0.243 χ^2 /NDF: 568629.4/24

Right Out: 1121.214 $\pm$ 0.269 χ^2 /NDF: 958682.2/21

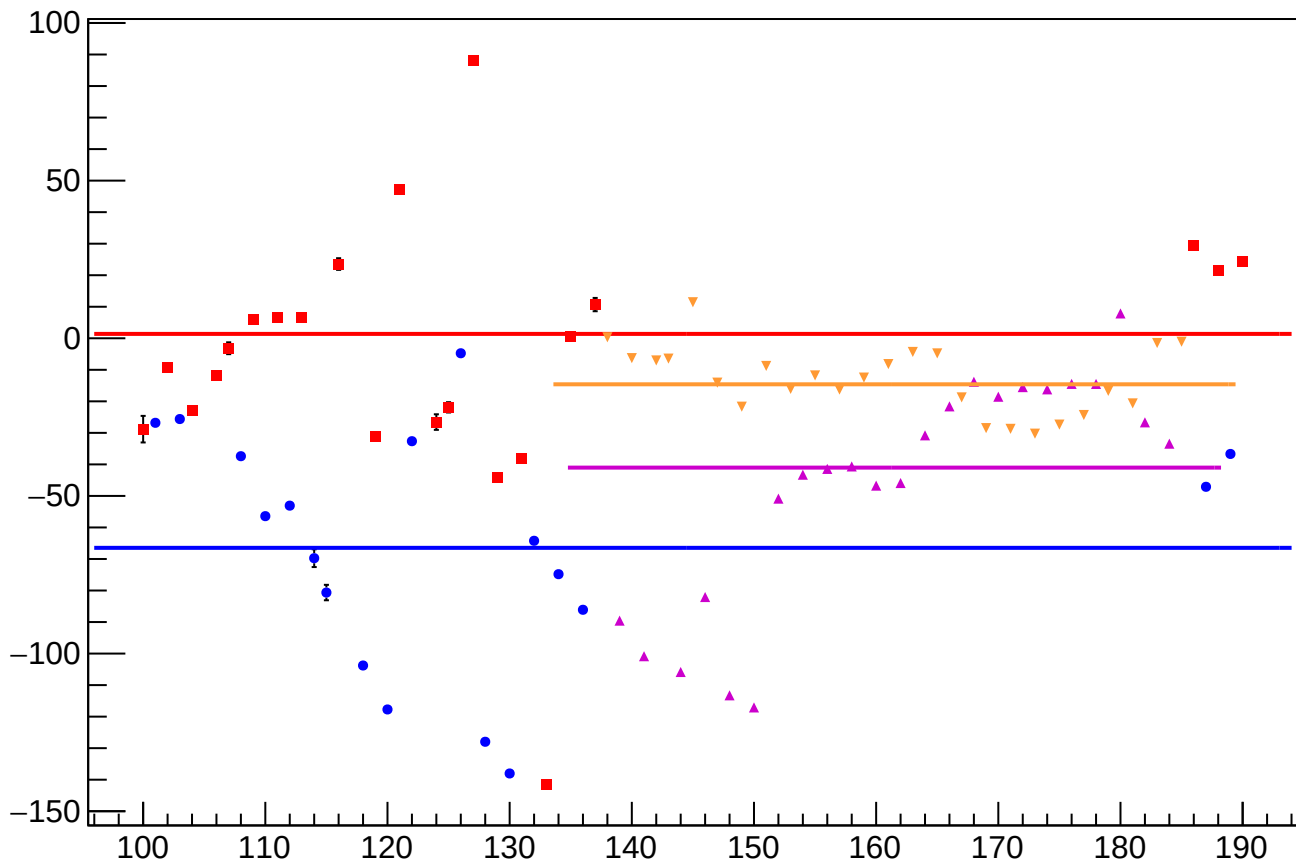
Left In: 1539.884 $\pm$ 0.256 χ^2 /NDF: 380330.7/22

+ sign 1391.488 $\pm$ 0.192 χ^2 /NDF: 1747514.2/42

All: 1365.188 $\pm$ 0.133 χ^2 /NDF: 4393403.9/87

- sign 1340.576 $\pm$ 0.186 χ^2 /NDF: 2609477.2/44

diff_bpm1i02X_mean vs Slug



Right In: -66.464 ± 0.317 χ^2/NDF : 13759.9/17

Left Out: -14.597 ± 0.183 χ^2/NDF : 3159.3/24

Right Out: 1.388 ± 0.280 χ^2/NDF : 22423.1/21

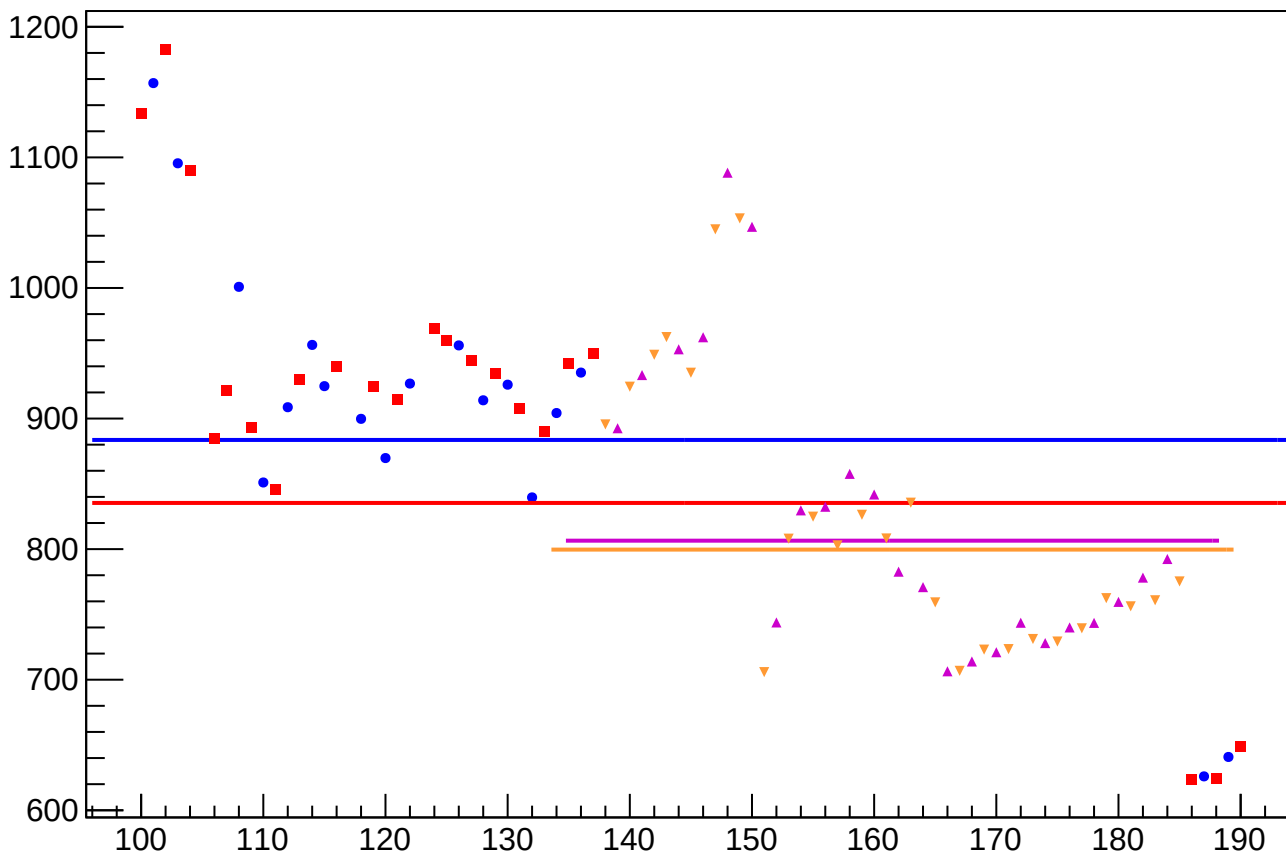
Left In: -41.021 ± 0.190 χ^2/NDF : 31066.6/22

+ sign -27.568 ± 0.158 χ^2/NDF : 37019.5/42

All: -27.625 ± 0.112 χ^2/NDF : 106218.3/87

- sign -27.680 ± 0.157 χ^2/NDF : 69198.6/44

diff_bpm1i02X_rms vs Slug



Right In: 883.613 $\pm$ 0.224 χ^2 /NDF: 367856.9/17

Left Out: 799.639 $\pm$ 0.129 χ^2 /NDF: 497430.7/24

Right Out: 835.371 $\pm$ 0.198 χ^2 /NDF: 659890.9/21

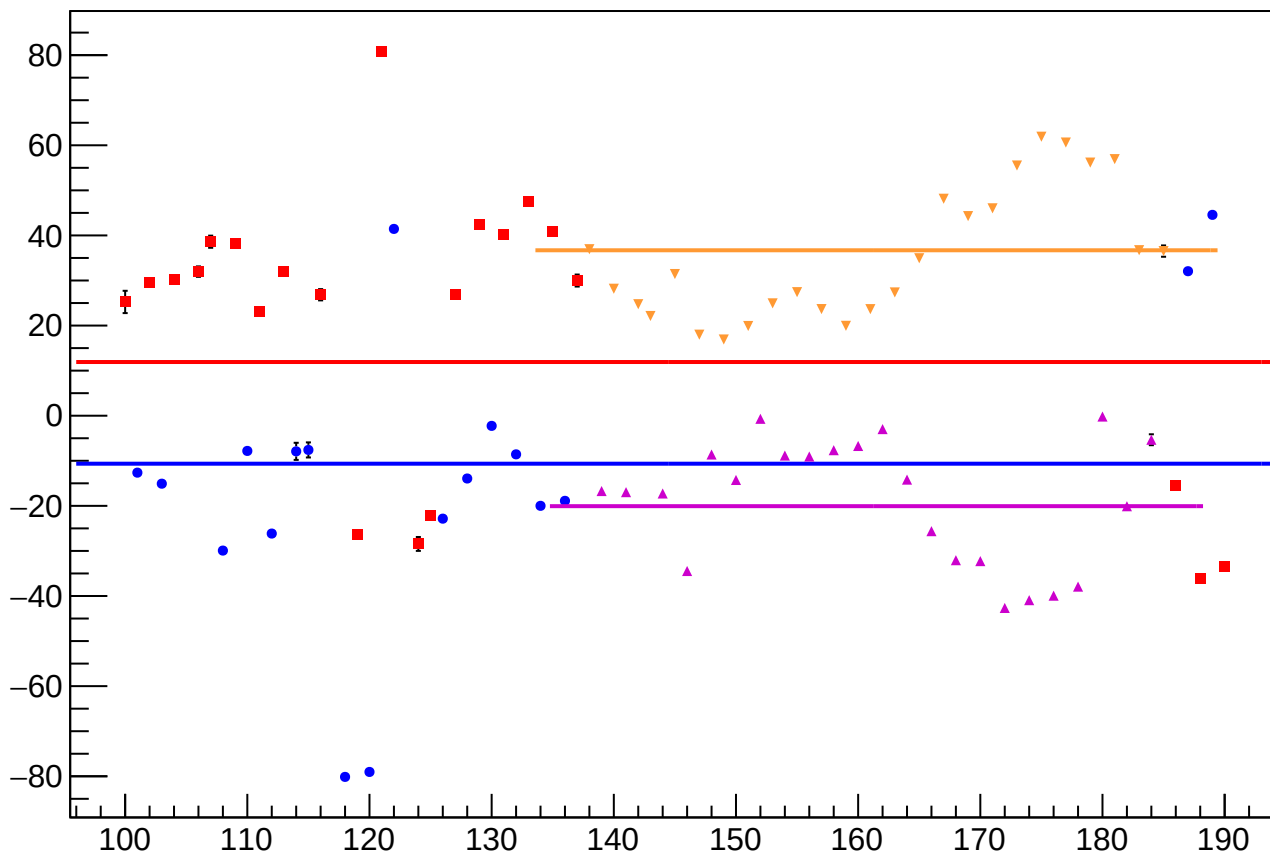
Left In: 806.478 $\pm$ 0.134 χ^2 /NDF: 511294.8/22

+ sign 820.639 $\pm$ 0.112 χ^2 /NDF: 970661.8/42

All: 818.082 $\pm$ 0.079 χ^2 /NDF: 2157463.4/87

- sign 815.567 $\pm$ 0.111 χ^2 /NDF: 1185768.6/44

diff_bpm1i02Y_mean vs Slug



Right In: -10.647 ± 0.216 $\chi^2/\text{NDF}: 23222.5/17$

Left Out: 36.705 ± 0.145 $\chi^2/\text{NDF}: 10231.1/24$

Right Out: 11.914 ± 0.195 $\chi^2/\text{NDF}: 32094.0/21$

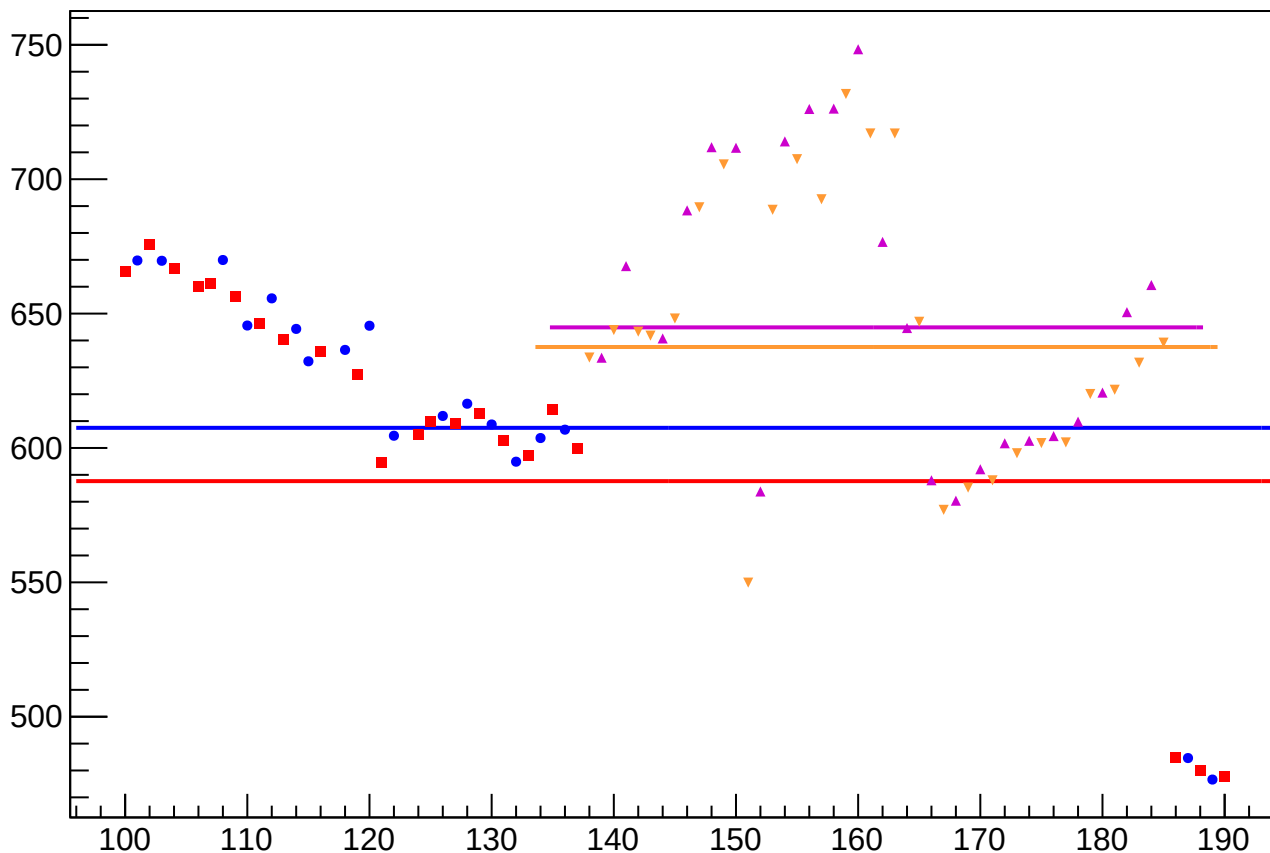
Left In: -20.069 ± 0.151 $\chi^2/\text{NDF}: 8560.6/22$

+ sign 21.953 ± 0.121 $\chi^2/\text{NDF}: 66481.4/42$

All: 6.805 ± 0.085 $\chi^2/\text{NDF}: 155160.0/87$

- sign -8.043 ± 0.119 $\chi^2/\text{NDF}: 57471.2/44$

diff_bpm1i02Y_rms vs Slug



Right In: 607.494 $\pm$ 0.153 χ^2 /NDF: 147583.9/17

Left Out: 637.569 $\pm$ 0.103 χ^2 /NDF:236539.6/24

Right Out: 587.664 $\pm$ 0.138 χ^2 /NDF: 261904.8/21

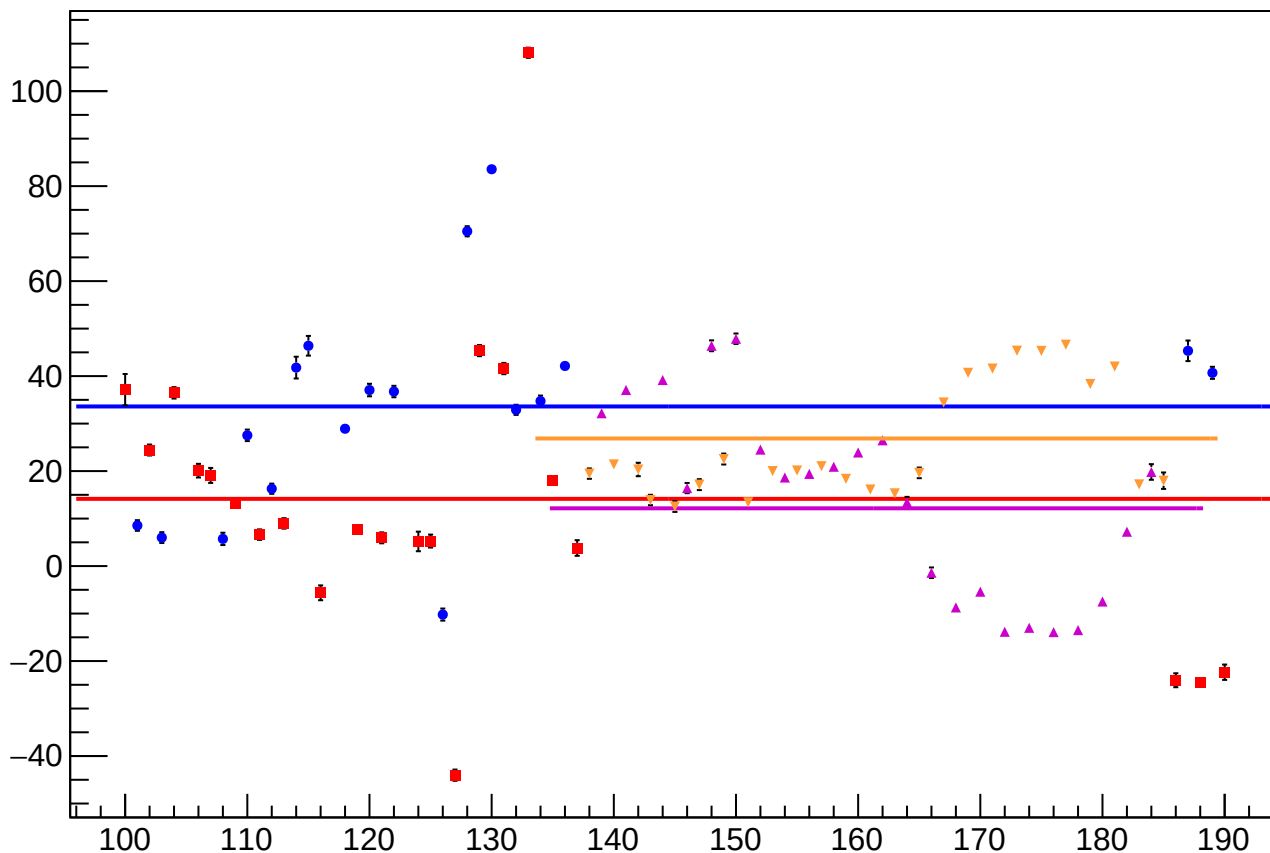
Left In: 644.873 $\pm$ 0.107 χ^2 /NDF:229560.3/22

+ sign 628.200 $\pm$ 0.085 χ^2 /NDF: 410772.0/42

All: 625.756 $\pm$ 0.060 χ^2 /NDF: 1011472.2/87

- sign 623.361 $\pm$ 0.084 χ^2 /NDF: 599076.0/44

diff_bpm1i04X_mean vs Slug



Right In: 33.608 $\pm$ 0.279 χ^2 /NDF: 6764.4/17

Left Out: 26.866 $\pm$ 0.207 χ^2 /NDF:3390.4/24

Right Out: 14.154 $\pm$ 0.266 χ^2 /NDF: 15148.6/21

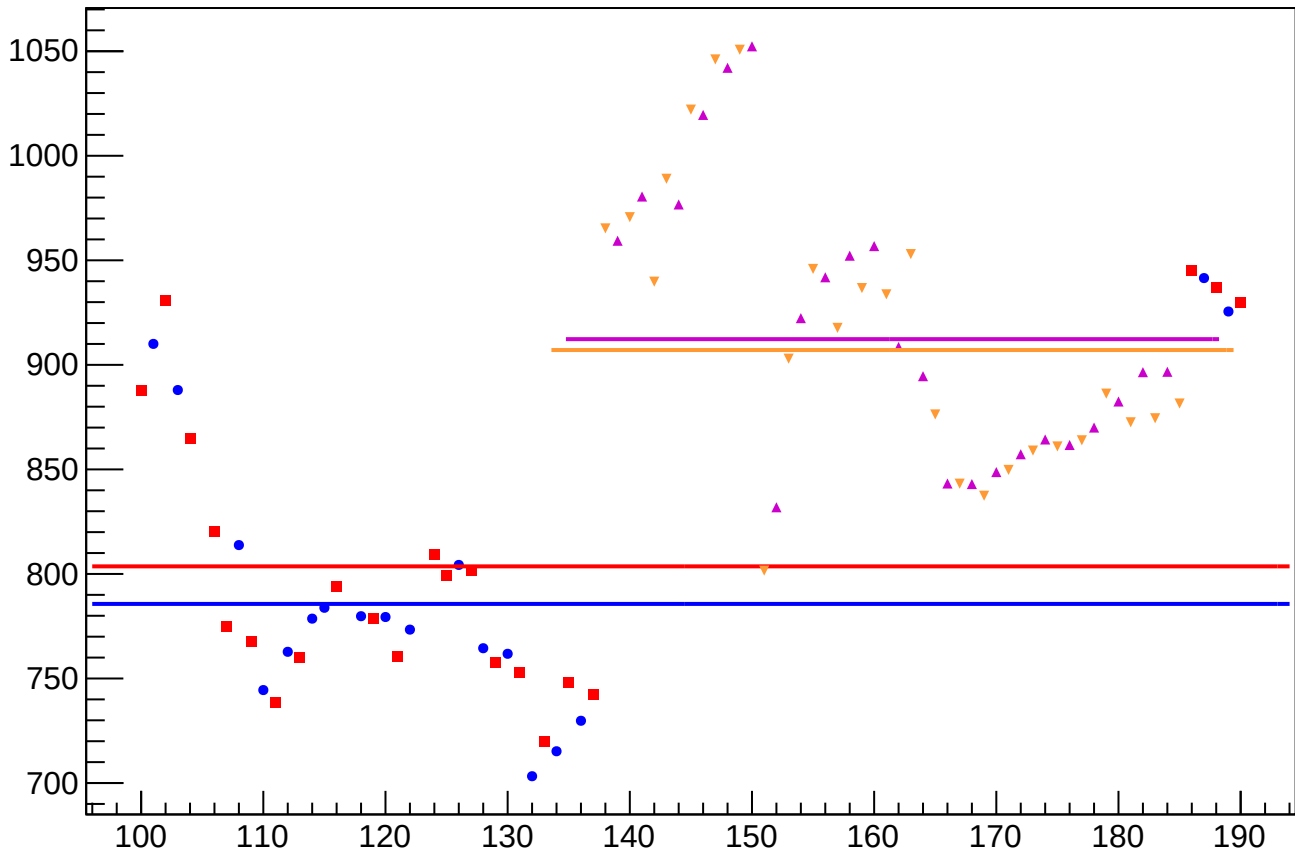
Left In: 12.159 $\pm$ 0.214 χ^2 /NDF:8547.0/22

+ sign 29.251 $\pm$ 0.166 χ^2 /NDF: 10531.1/42

All: 21.114 $\pm$ 0.118 χ^2 /NDF: 39067.9/87

- sign 12.943 $\pm$ 0.166 χ^2 /NDF: 23729.8/44

diff_bpm1i04X_rms vs Slug



Right In: 785.668 ± 0.198 $\chi^2/\text{NDF}: 111646.1/17$

Left Out: 907.089 ± 0.146 $\chi^2/\text{NDF}: 194606.8/24$

Right Out: 803.626 ± 0.188 $\chi^2/\text{NDF}: 145362.5/21$

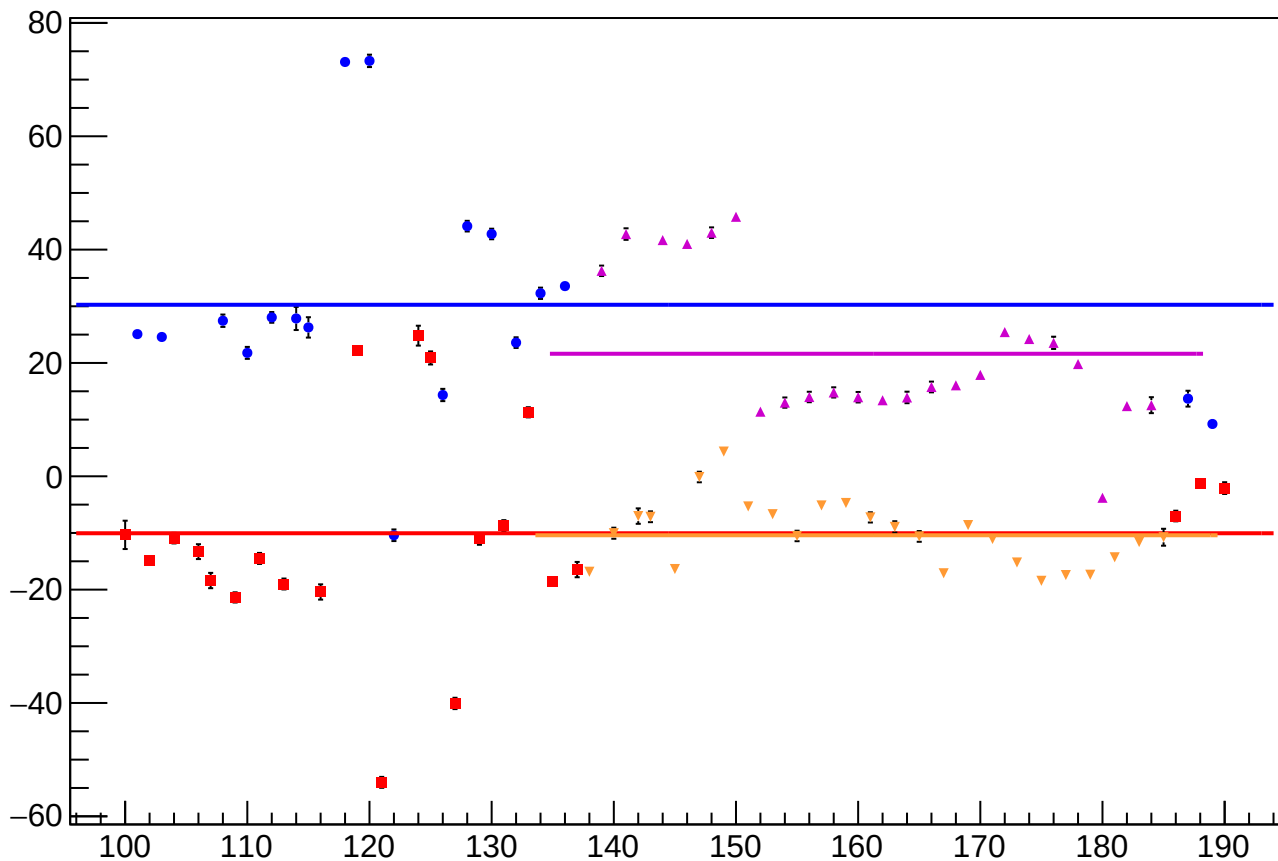
Left In: 912.301 ± 0.151 $\chi^2/\text{NDF}: 174715.2/22$

+ sign 864.141 ± 0.117 $\chi^2/\text{NDF}: 550428.1/42$

All: 866.867 ± 0.083 $\chi^2/\text{NDF}: 1074819.4/87$

- sign 869.605 ± 0.118 $\chi^2/\text{NDF}: 523312.0/44$

diff_bpm1i04Y_mean vs Slug



Right In: 30.266 ± 0.229 χ^2/NDF : 7230.2/17

Left Out: -10.406 ± 0.176 χ^2/NDF : 1041.8/24

Right Out: -10.052 ± 0.214 χ^2/NDF : 6890.8/21

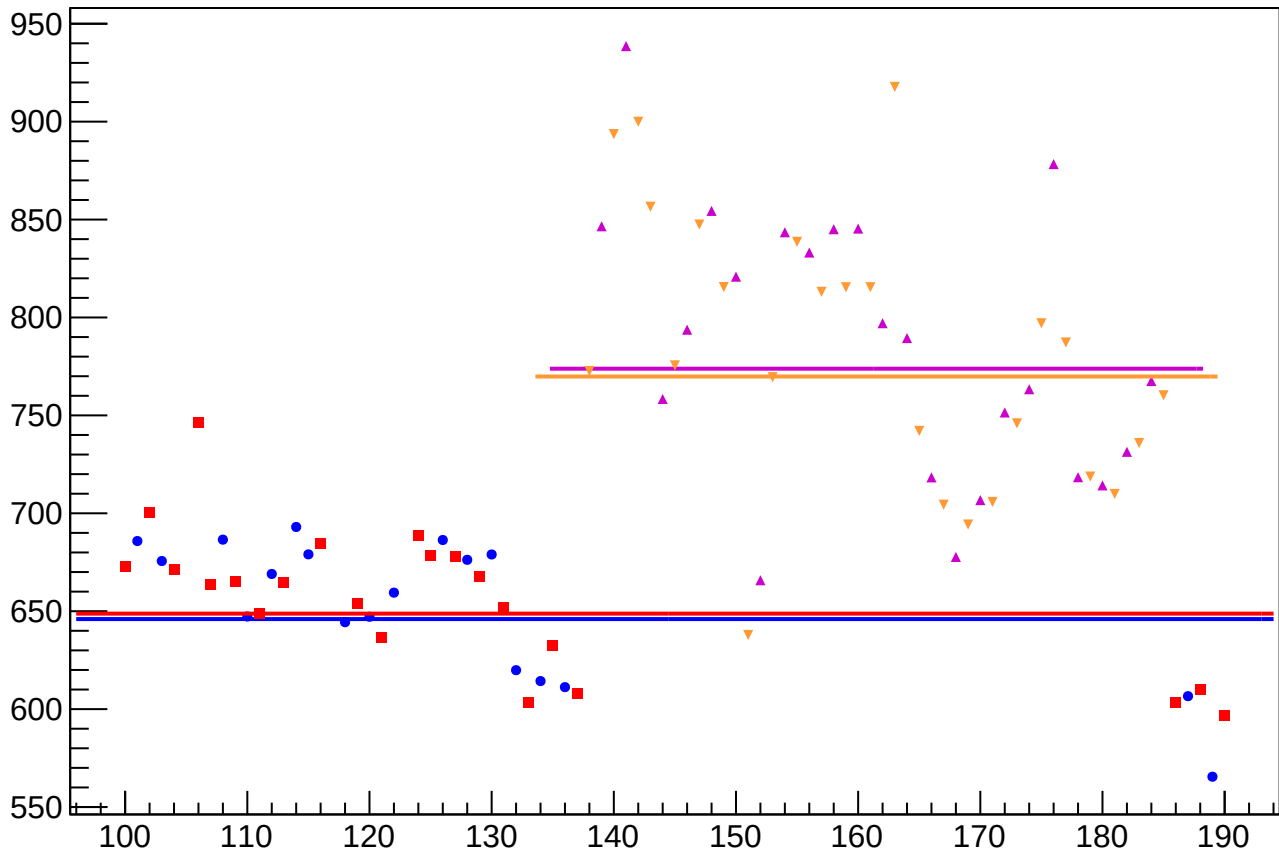
Left In: 21.621 ± 0.182 χ^2/NDF : 5241.8/22

+ sign 4.666 ± 0.140 χ^2/NDF : 28061.7/42

All: 6.511 ± 0.098 χ^2/NDF : 53259.3/87

- sign 8.330 ± 0.139 χ^2/NDF : 24850.8/44

diff_bpm1i04Y_rms vs Slug



Right In: 645.985 ± 0.162 $\chi^2/\text{NDF}: 52202.8/17$

Left Out: 769.850 ± 0.124 $\chi^2/\text{NDF}: 304526.6/24$

Right Out: 648.766 ± 0.151 $\chi^2/\text{NDF}: 52397.7/21$

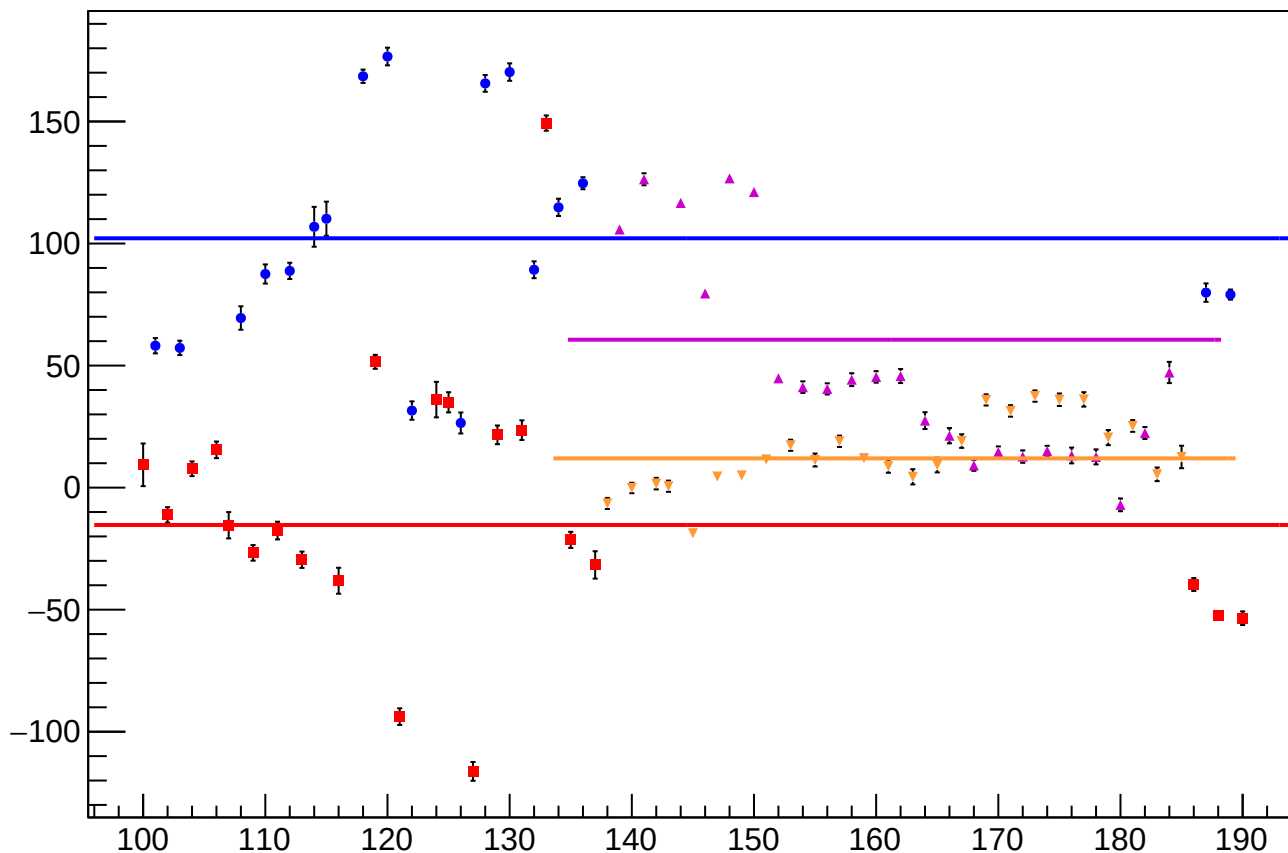
Left In: 773.845 ± 0.129 $\chi^2/\text{NDF}: 282843.1/22$

+ sign 723.949 ± 0.099 $\chi^2/\text{NDF}: 723818.6/42$

All: 722.642 ± 0.070 $\chi^2/\text{NDF}: 1456100.2/87$

- sign 721.355 ± 0.098 $\chi^2/\text{NDF}: 731933.9/44$

diff_bpm1i06X_mean vs Slug



Right In: 102.154 $\pm$ 0.796 χ^2 /NDF: 3150.4/17

Left Out: 11.989 $\pm$ 0.472 χ^2 /NDF: 947.1/24

Right Out: -15.306 $\pm$ 0.711 χ^2 /NDF: 5879.9/21

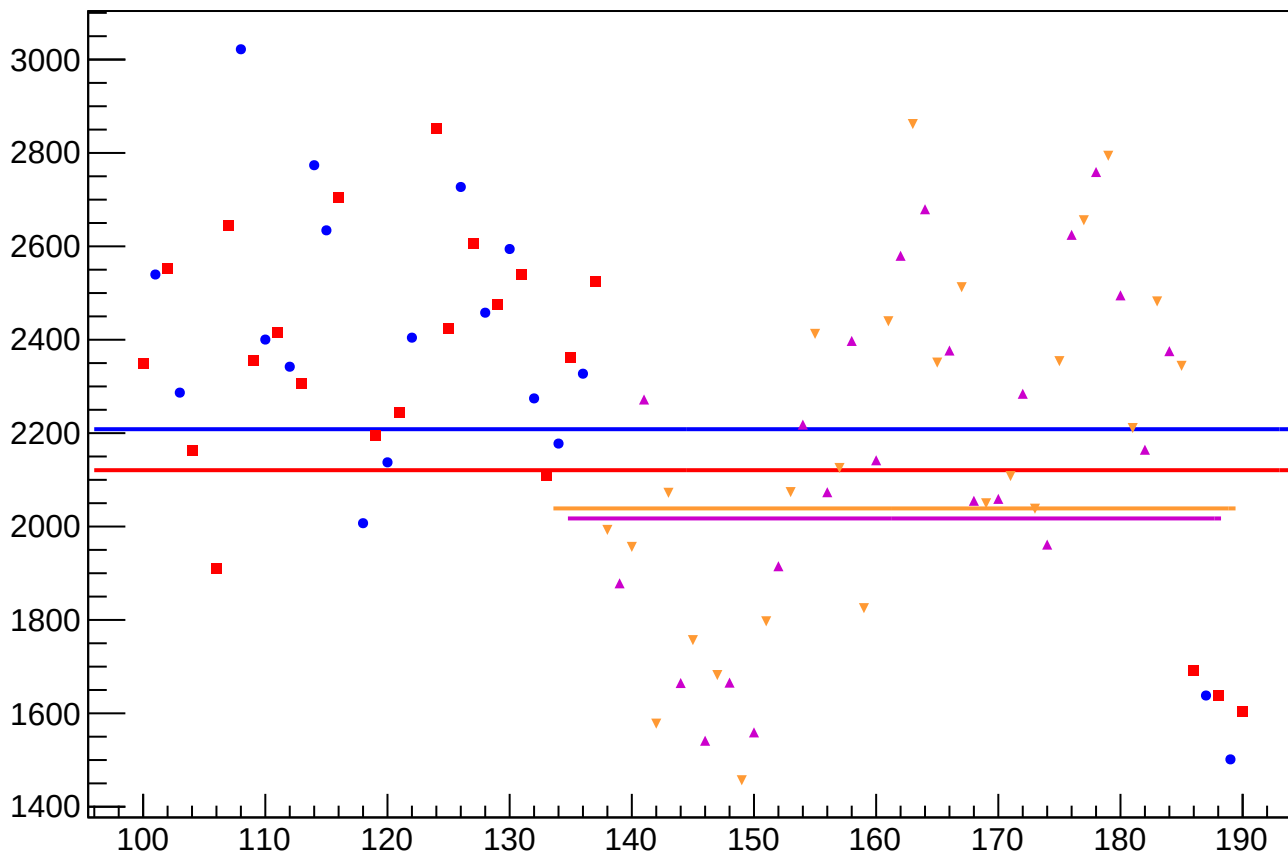
Left In: 60.598 $\pm$ 0.481 χ^2 /NDF: 8638.1/22

+ sign 35.393 $\pm$ 0.406 χ^2 /NDF: 13588.0/42

All: 36.086 $\pm$ 0.284 χ^2 /NDF: 35937.5/87

- sign 36.753 $\pm$ 0.398 χ^2 /NDF: 22343.8/44

diff_bpm1i06X_rms vs Slug



Right In: 2208.433+/-0.563 χ^2/NDF : 467702.5/17

Left Out: 2038.784+/-0.333 χ^2/NDF : 1123518.3/24

Right Out: 2120.662+/-0.502 χ^2/NDF : 534802.3/21

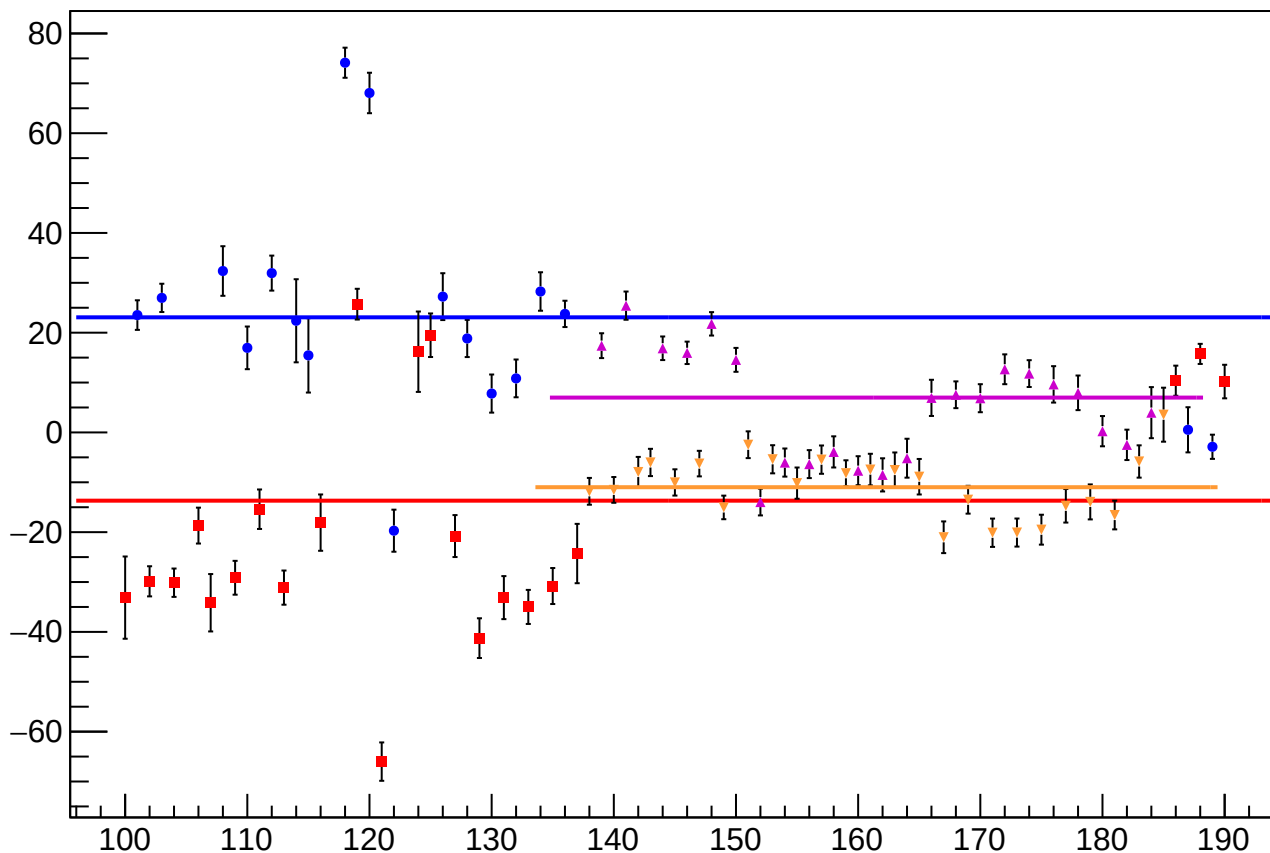
Left In: 2017.328+/-0.340 χ^2/NDF : 1050043.3/22

+ sign 2082.820+/-0.287 χ^2/NDF : 1658417.4/42

All: 2065.997+/-0.201 χ^2/NDF : 3279021.1/87

- sign 2049.789+/-0.282 χ^2/NDF : 1613853.5/44

diff_bpm1i06Y_mean vs Slug



Right In: 23.080 ± 0.858 χ^2/NDF : 696.7/17

Left Out: -10.985 ± 0.586 χ^2/NDF : 87.6/24

Right Out: -13.685 ± 0.773 χ^2/NDF : 1012.2/21

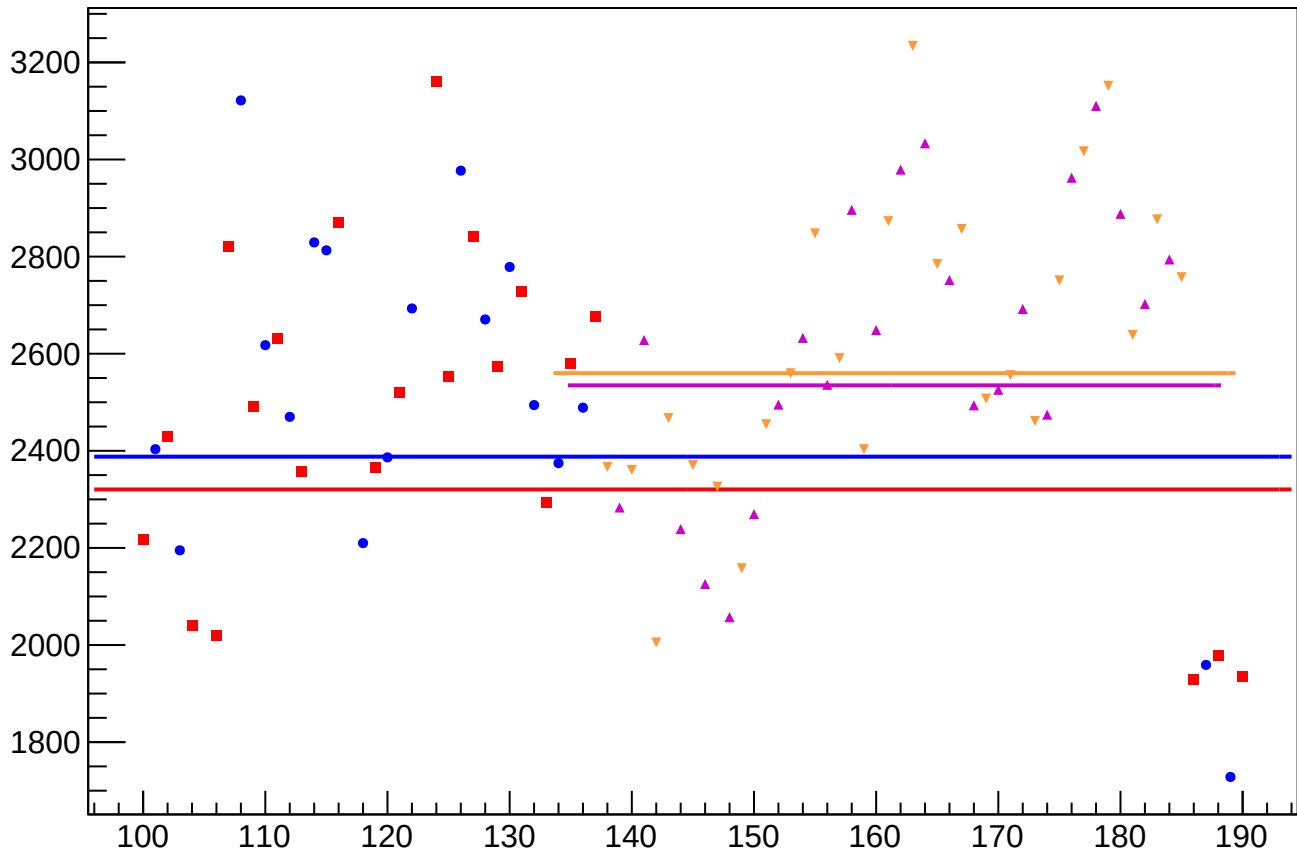
Left In: 6.985 ± 0.598 χ^2/NDF : 339.5/22

+ sign -0.153 ± 0.484 χ^2/NDF : 1859.2/42

All: -0.461 ± 0.338 χ^2/NDF : 3658.4/87

- sign -0.756 ± 0.473 χ^2/NDF : 1798.4/44

diff_bpm1i06Y_rms vs Slug



Right In: 2387.940 $\pm$ 0.607 χ^2 /NDF: 323468.1/17

Left Out: 2559.931 $\pm$ 0.414 χ^2 /NDF: 450188.5/24

Right Out: 2320.437 $\pm$ 0.547 χ^2 /NDF: 313293.5/21

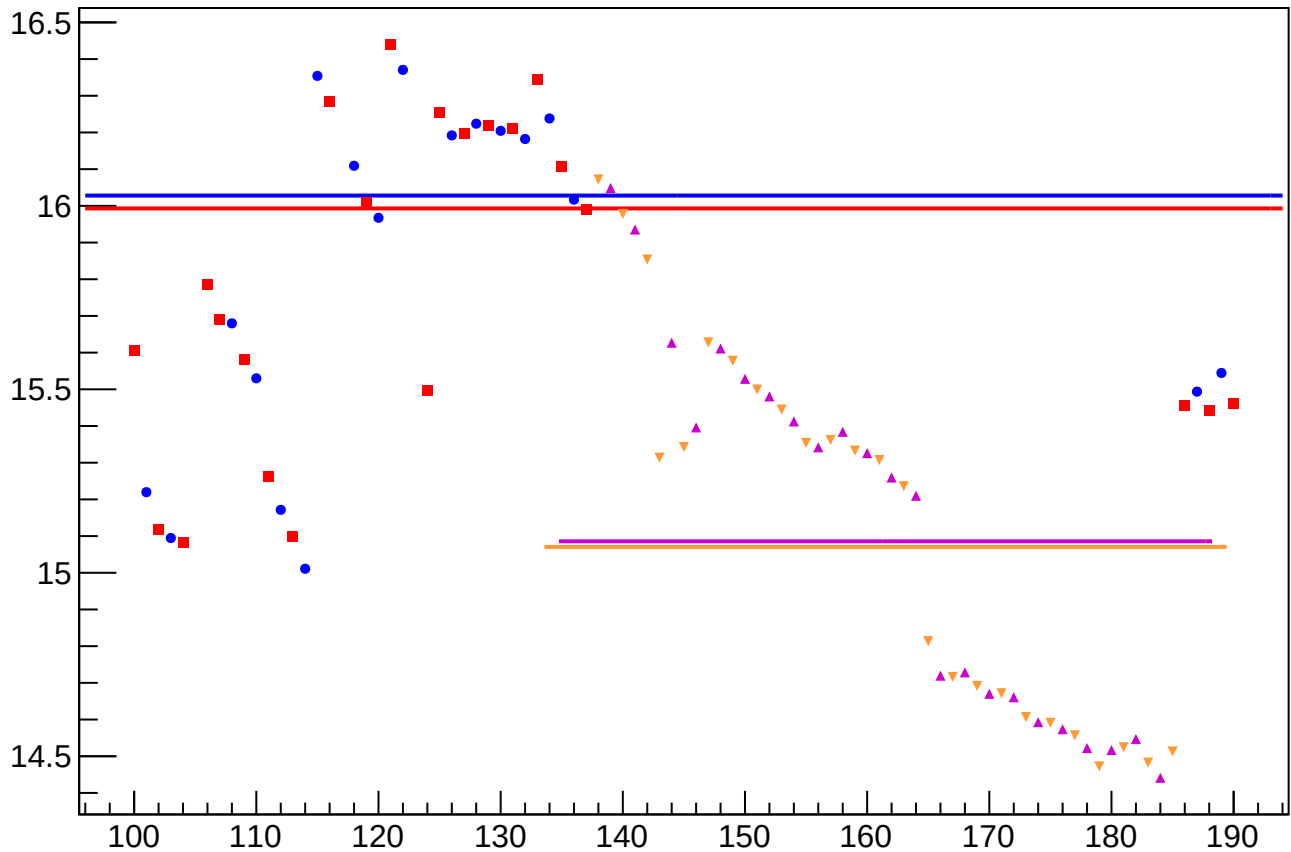
Left In: 2534.780 $\pm$ 0.423 χ^2 /NDF: 463621.9/22

+ sign 2505.240 $\pm$ 0.342 χ^2 /NDF: 828461.3/42

All: 2479.316 $\pm$ 0.239 χ^2 /NDF: 1712690.3/87

- sign 2454.509 $\pm$ 0.335 χ^2 /NDF: 872993.5/44

yield_sam1_mean vs Slug



Right In: 16.028 $\pm$ 0.000 χ^2 /NDF: 3101119845.6/17

Left Out: 15.070 $\pm$ 0.000 χ^2 /NDF: 43718295237.2/24

Right Out: 15.993 $\pm$ 0.000 χ^2 /NDF: 4510970691.9/21

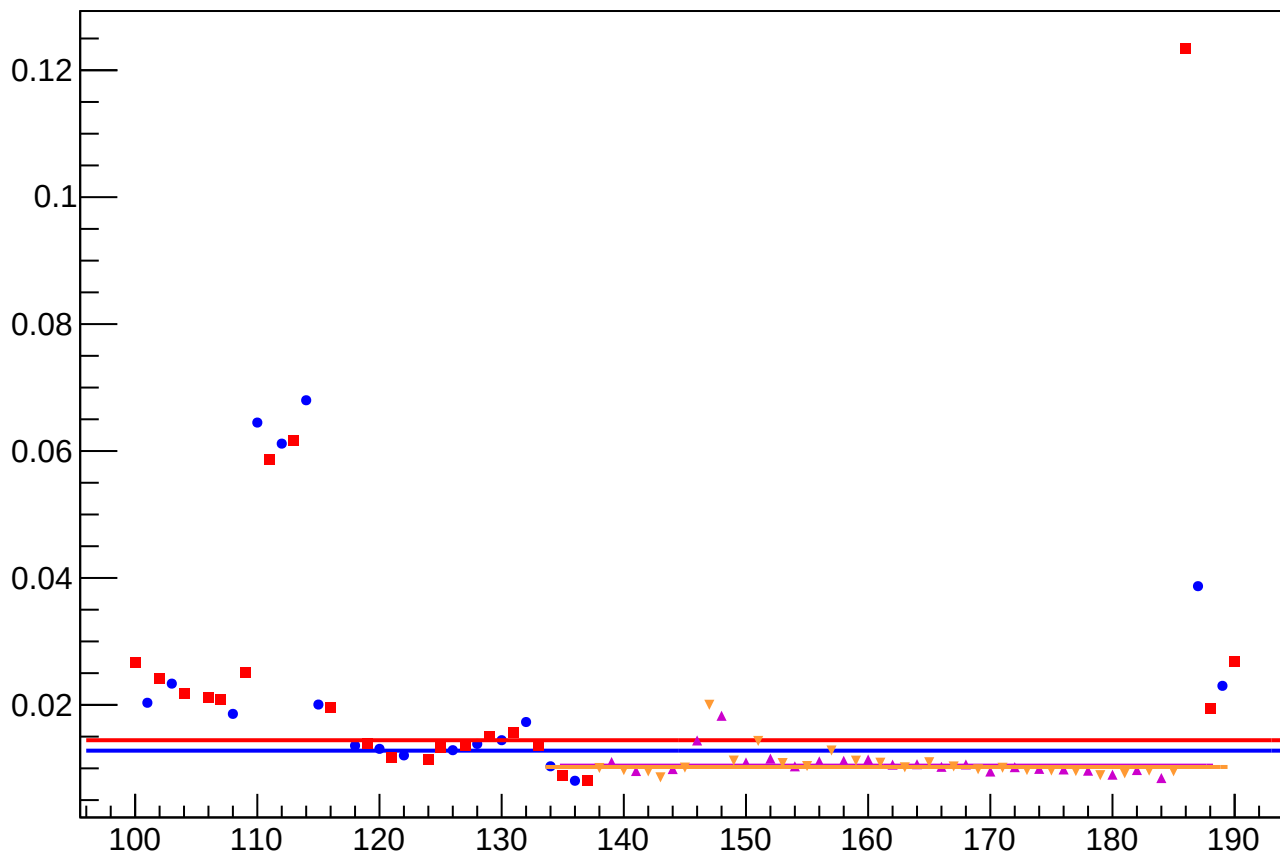
Left In: 15.086 $\pm$ 0.000 χ^2 /NDF: 39504896066.7/22

+ sign 15.237 $\pm$ 0.000 χ^2 /NDF: 74587830273.5/42

All: 15.240 $\pm$ 0.000 χ^2 /NDF: 141066506121.

- sign 15.243 $\pm$ 0.000 χ^2 /NDF: 66475902612.4/44

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2683320.0/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 760322.0/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 3124513.3/21

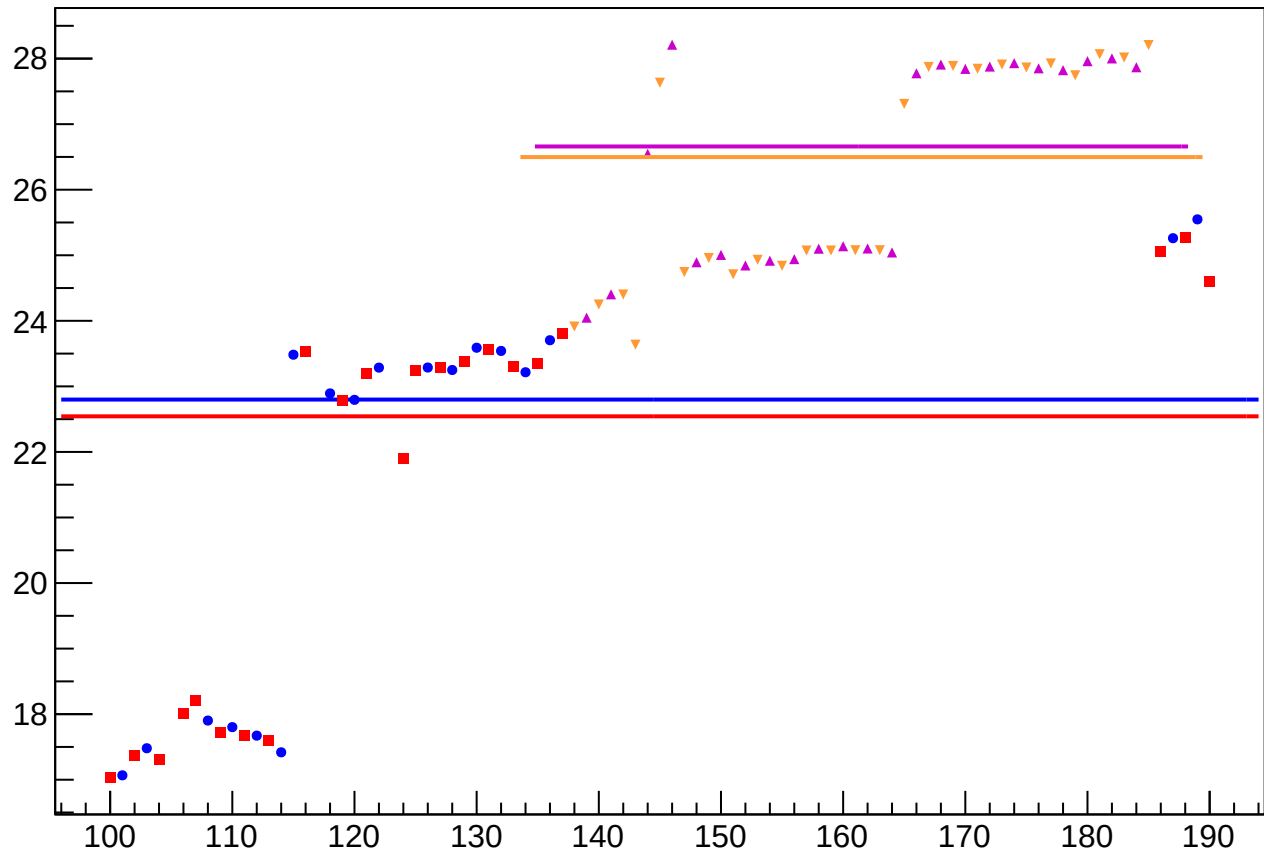
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 597752.6/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3844065.3/42

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8483204.3/87

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4597650.9/44

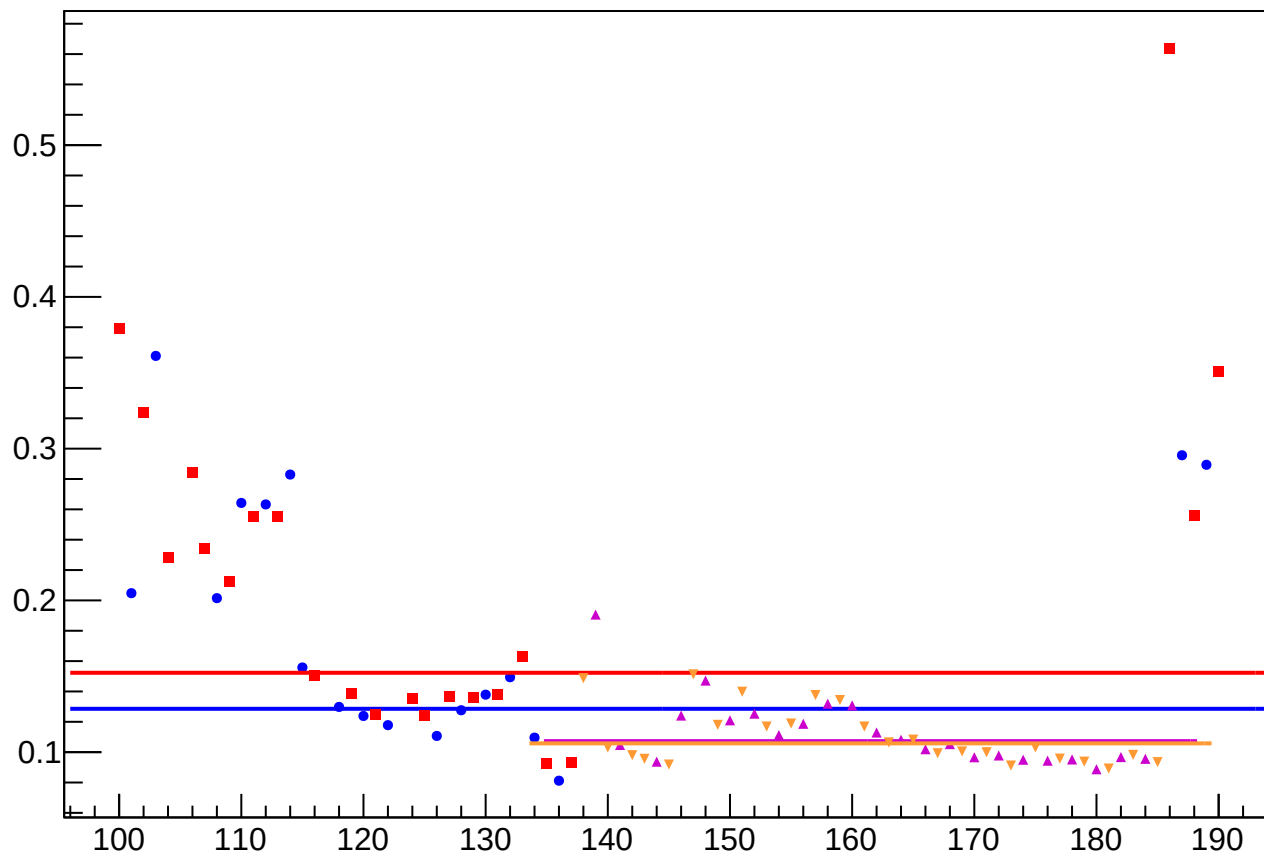
yield_sam2_mean vs Slug



Right In: 22.799+/-0.000 χ^2 /NDF: 1280015013.9/17
 Left Out: 26.498+/-0.000 χ^2 /NDF: 3909357236.5/24
 Right Out: 22.543+/-0.000 χ^2 /NDF: 1347810053.9/21
 Left In: 26.660+/-0.000 χ^2 /NDF: 2886823196.4/22

+ sign 25.789+/-0.000 χ^2 /NDF: 9077850070.3/42
 All: 25.851+/-0.000 χ^2 /NDF: 17464287812.2
 - sign 25.921+/-0.000 χ^2 /NDF: 8371257018.9/44

yield_sam2_rms vs Slug



Right In: 0.129 ± 0.000 χ^2/NDF : 2185480.2/17

Left Out: 0.106 ± 0.000 χ^2/NDF : 756185.0/24

Right Out: 0.152 ± 0.000 χ^2/NDF : 2548452.5/21

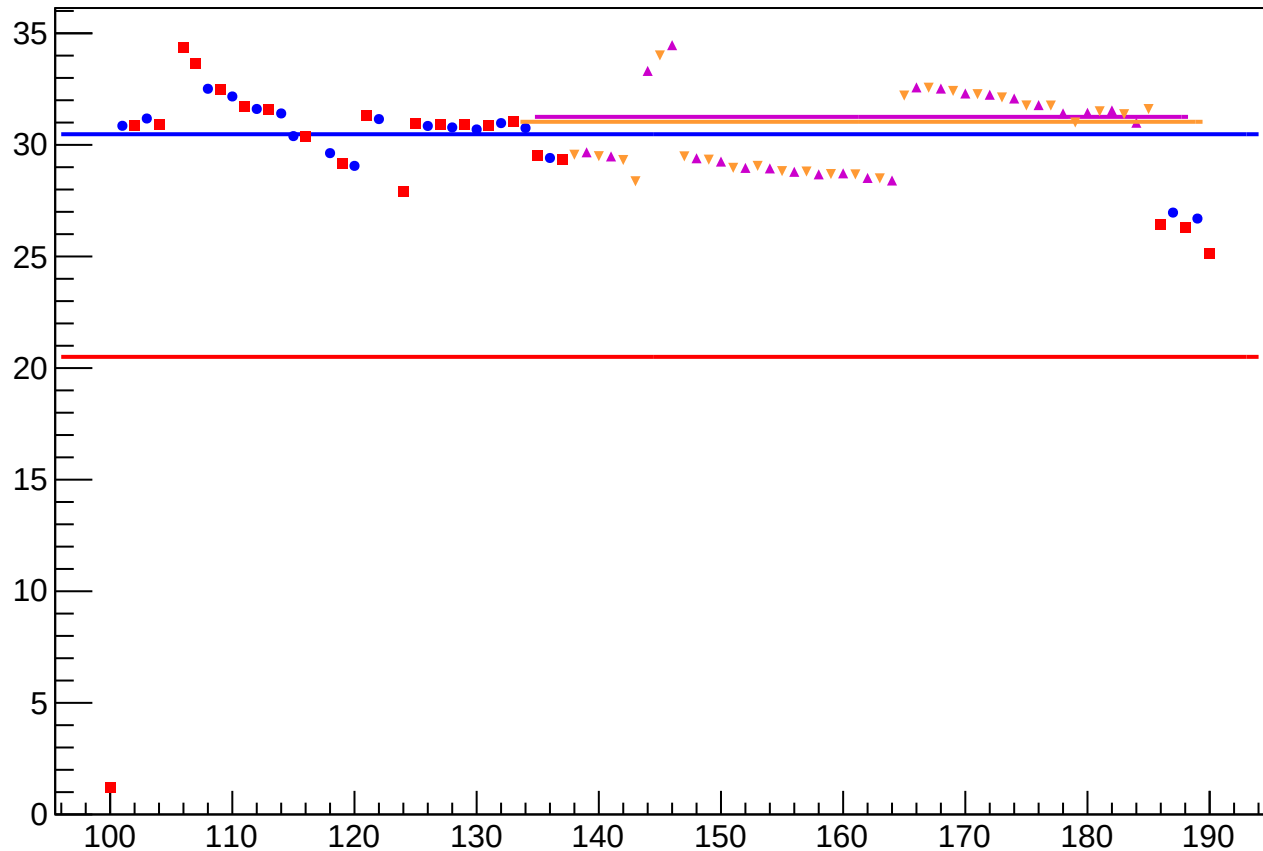
Left In: 0.107 ± 0.000 χ^2/NDF : 859458.3/22

+ sign 0.110 ± 0.000 χ^2/NDF : 3236888.2/42

All: 0.113 ± 0.000 χ^2/NDF : 7682359.2/87

- sign 0.115 ± 0.000 χ^2/NDF : 4398504.9/44

yield_sam3_mean vs Slug



Right In: 30.477+/-0.000 χ^2/NDF : 968536297.7/17

Left Out: 31.035+/-0.000 χ^2/NDF : 11897463221.2/24

Right Out: 20.502+/-0.000 χ^2/NDF : 223080209387.1/21

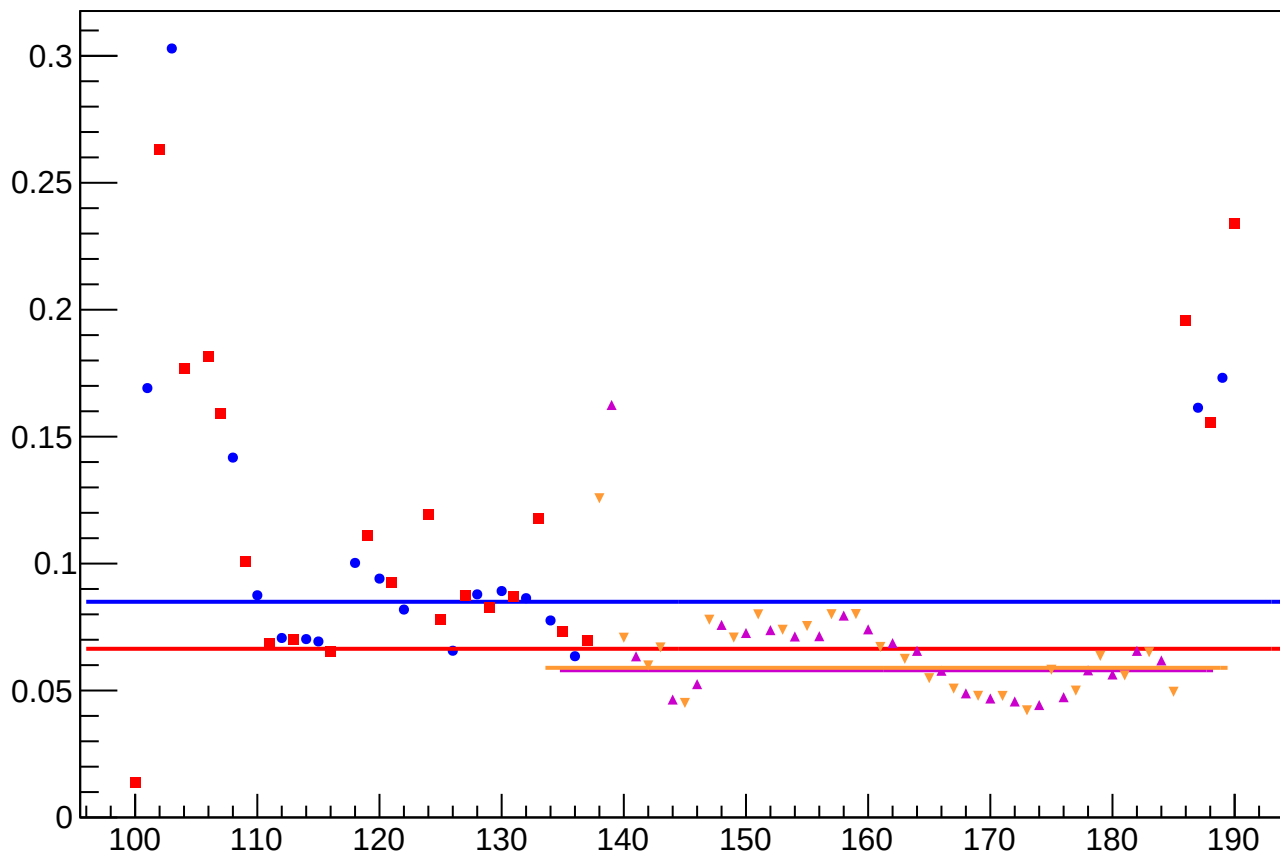
Left In: 31.256+/-0.000 χ^2/NDF : 12589744083.0/22

+ sign 30.947+/-0.000 χ^2/NDF : 13074683774.4/42

All: 29.918+/-0.000 χ^2/NDF : 362693918892.

- sign 28.926+/-0.000 χ^2/NDF : 339050596768.1/44

yield_sam3_rms vs Slug



Right In: 0.085 $\pm$ 0.000 χ^2 /NDF: 1594849.9/17

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1536601.0/24

Right Out: 0.066 $\pm$ 0.000 χ^2 /NDF: 5341173.7/21

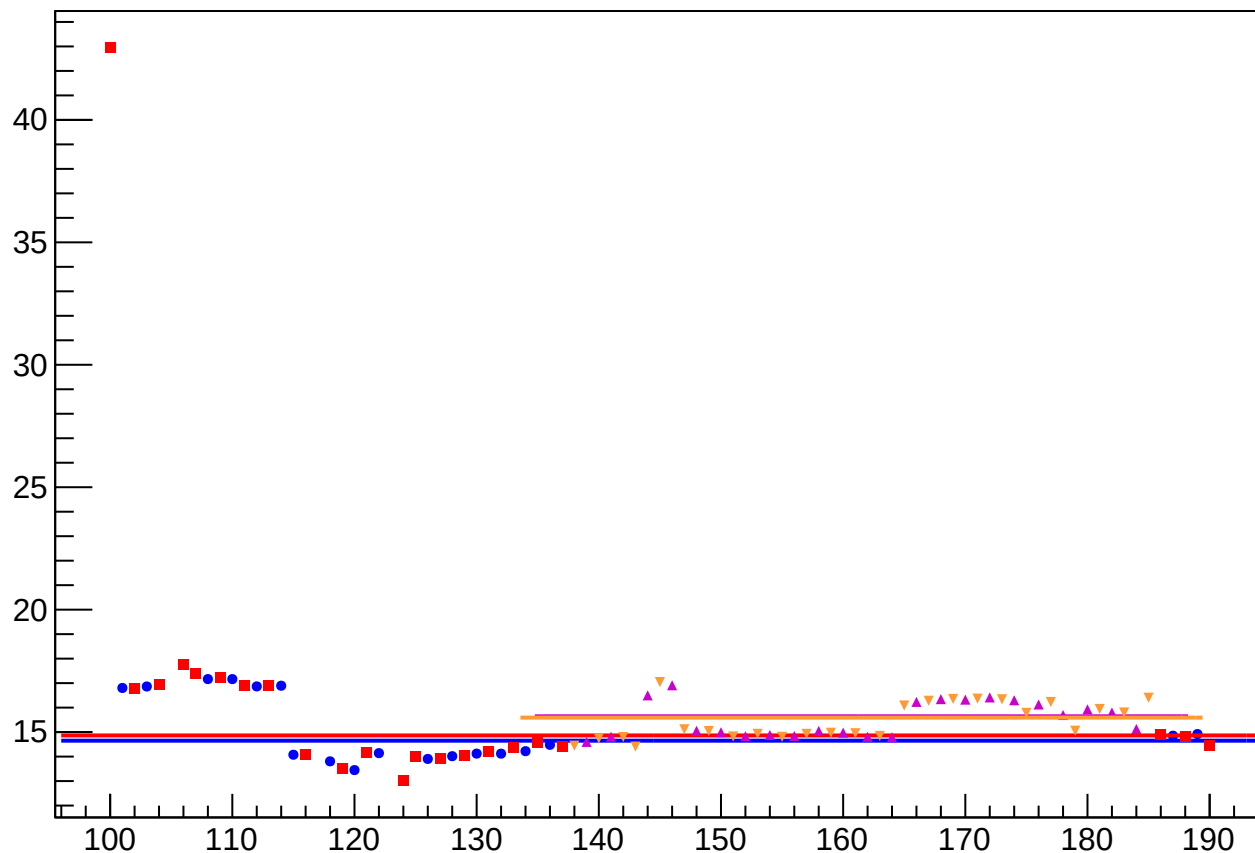
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1716553.7/22

+ sign 0.063 $\pm$ 0.000 χ^2 /NDF: 4039980.7/42

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 11278550.7/87

- sign 0.060 $\pm$ 0.000 χ^2 /NDF: 7185436.0/44

yield_sam4_mean vs Slug



Right In: 14.650 $\pm$ 0.000 χ^2 /NDF: 1195248052.6/17

Left Out: 15.591 $\pm$ 0.000 χ^2 /NDF: 2257437225.0/24

Right Out: 14.863 $\pm$ 0.000 χ^2 /NDF: 1731320886.9/21

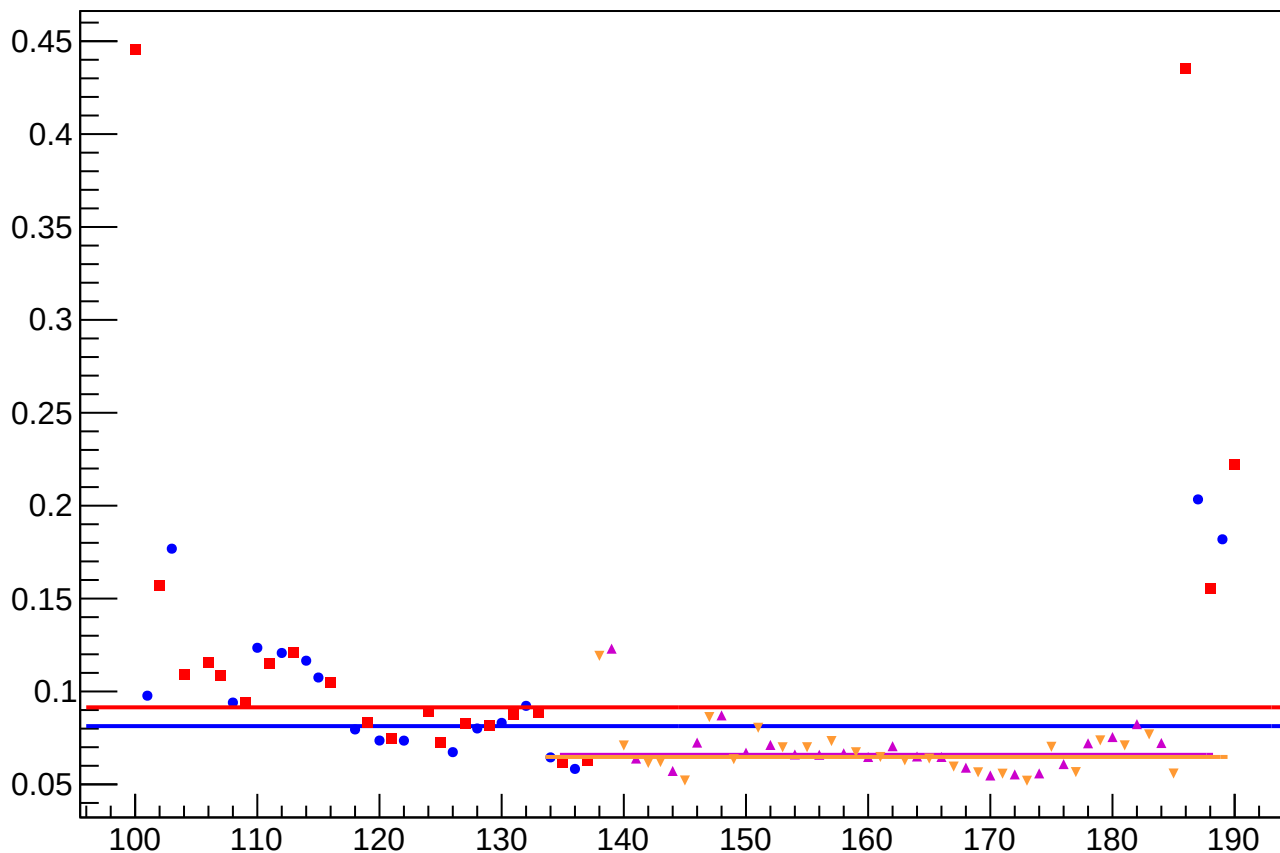
Left In: 15.645 $\pm$ 0.000 χ^2 /NDF: 1858454747.6/22

+ sign 15.406 $\pm$ 0.000 χ^2 /NDF: 4134666045.3/42

All: 15.447 $\pm$ 0.000 χ^2 /NDF: 8168332370.3/8

- sign 15.492 $\pm$ 0.000 χ^2 /NDF: 4016309646.1/44

yield_sam4_rms vs Slug



Right In: 0.081+/-0.000 χ^2/NDF : 1370420.4/17

Left Out: 0.065+/-0.000 χ^2/NDF : 855753.3/24

Right Out: 0.091+/-0.000 χ^2/NDF : 1861656.8/21

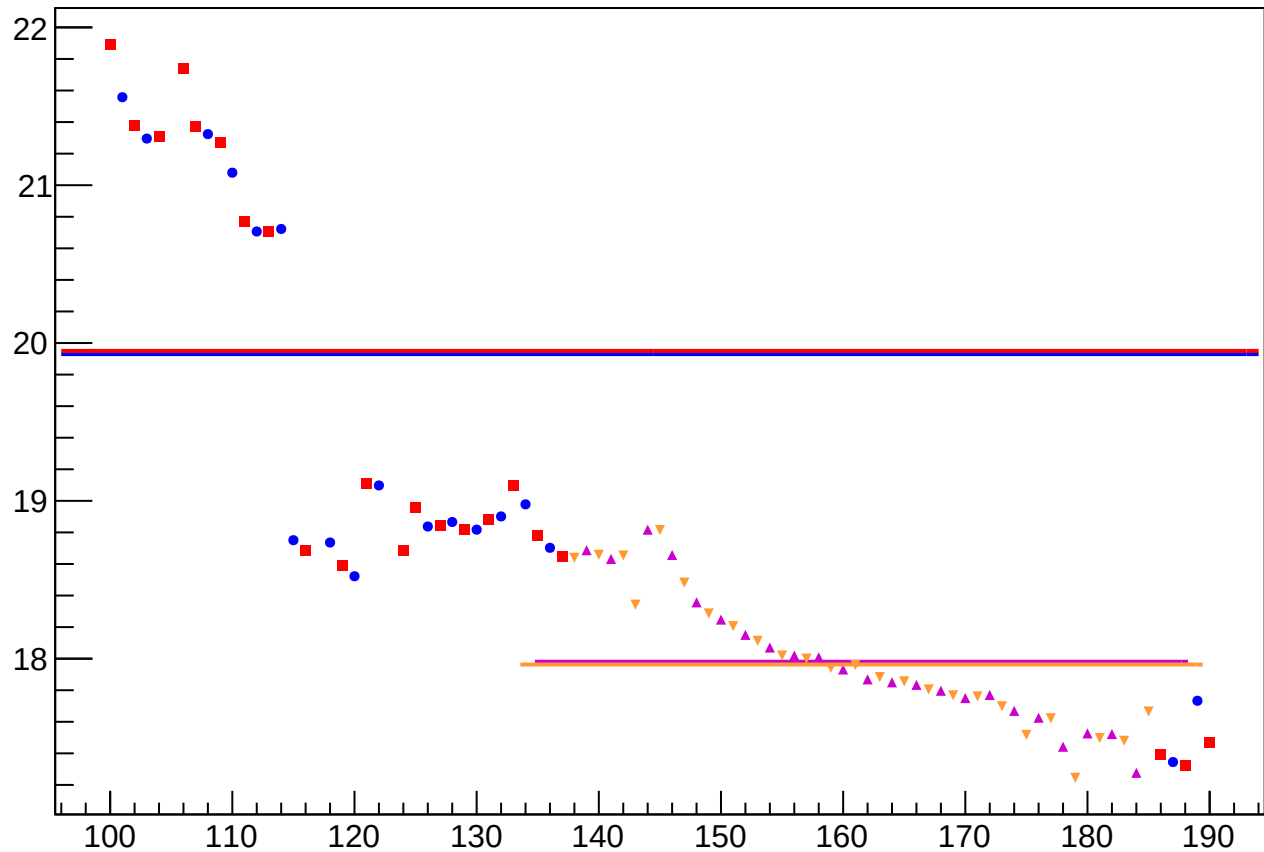
Left In: 0.066+/-0.000 χ^2/NDF : 788235.2/22

+ sign 0.068+/-0.000 χ^2/NDF : 2650153.6/42

All: 0.069+/-0.000 χ^2/NDF : 6251217.5/87

- sign 0.071+/-0.000 χ^2/NDF : 3563054.4/44

yield_sam5_mean vs Slug



Right In: 19.930 $\pm$ 0.000 χ^2 /NDF: 11939624232.0/17

Left Out: 17.963 $\pm$ 0.000 χ^2 /NDF: 3041551307.2/24

+ sign 18.472 $\pm$ 0.000 χ^2 /NDF: 34206118871.3/42

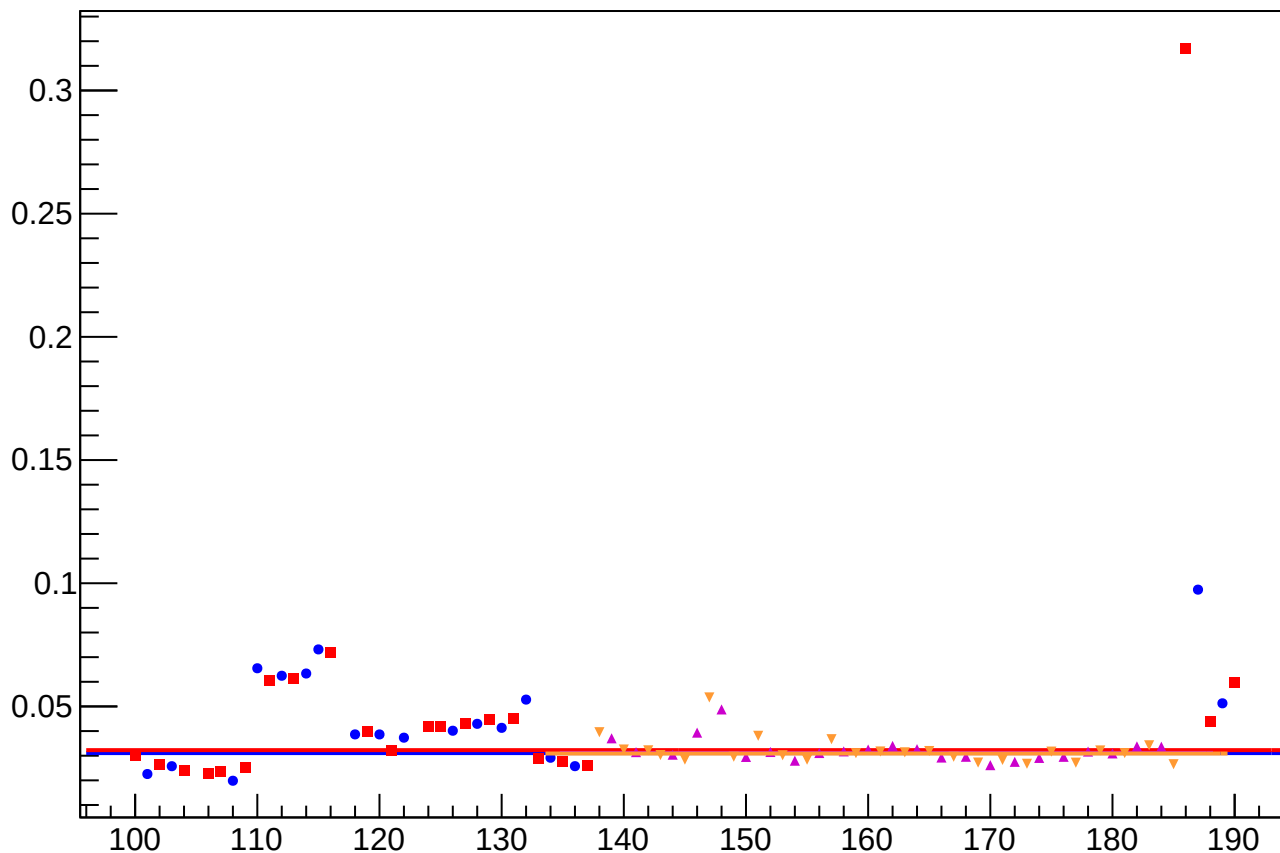
Right Out: 19.950 $\pm$ 0.000 χ^2 /NDF: 14554631182.4/21

All: 18.505 $\pm$ 0.000 χ^2 /NDF: 71213068324.2

Left In: 17.980 $\pm$ 0.000 χ^2 /NDF: 2720441956.8/22

- sign 18.539 $\pm$ 0.000 χ^2 /NDF: 36949471384.5/44

yield_sam5_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 1774024.7/17

Left Out: 0.031+/-0.000 χ^2/NDF : 633519.6/24

Right Out: 0.032+/-0.000 χ^2/NDF : 2107356.7/21

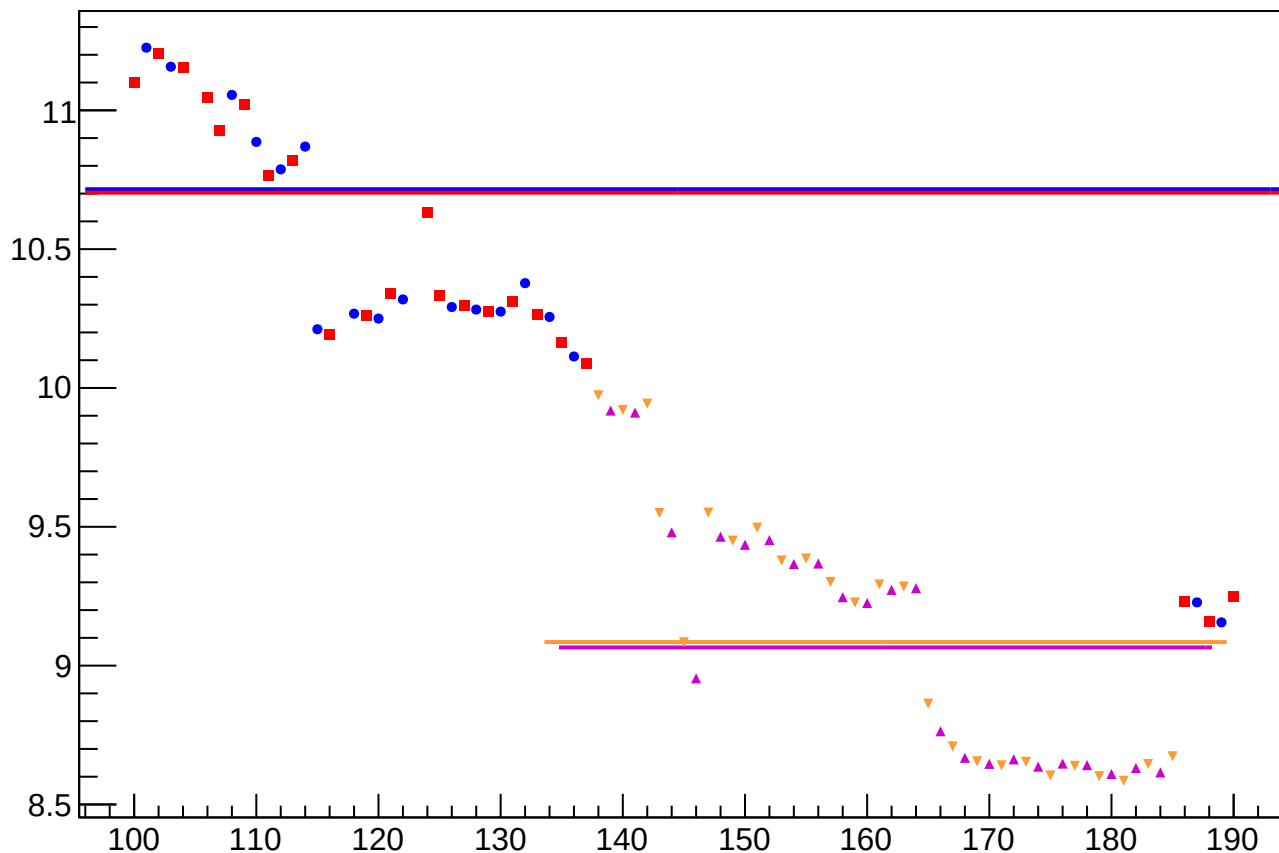
Left In: 0.031+/-0.000 χ^2/NDF : 482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF : 2407844.9/42

All: 0.031+/-0.000 χ^2/NDF : 5017818.5/87

- sign 0.031+/-0.000 χ^2/NDF : 2603083.8/44

yield_sam6_mean vs Slug



Right In: 10.716 $\pm$ 0.000 χ^2 /NDF: 6688053848.5/17

Left Out: 9.085 $\pm$ 0.000 χ^2 /NDF: 10203625727.4/24

Right Out: 10.703 $\pm$ 0.000 χ^2 /NDF: 6330145935.3/21

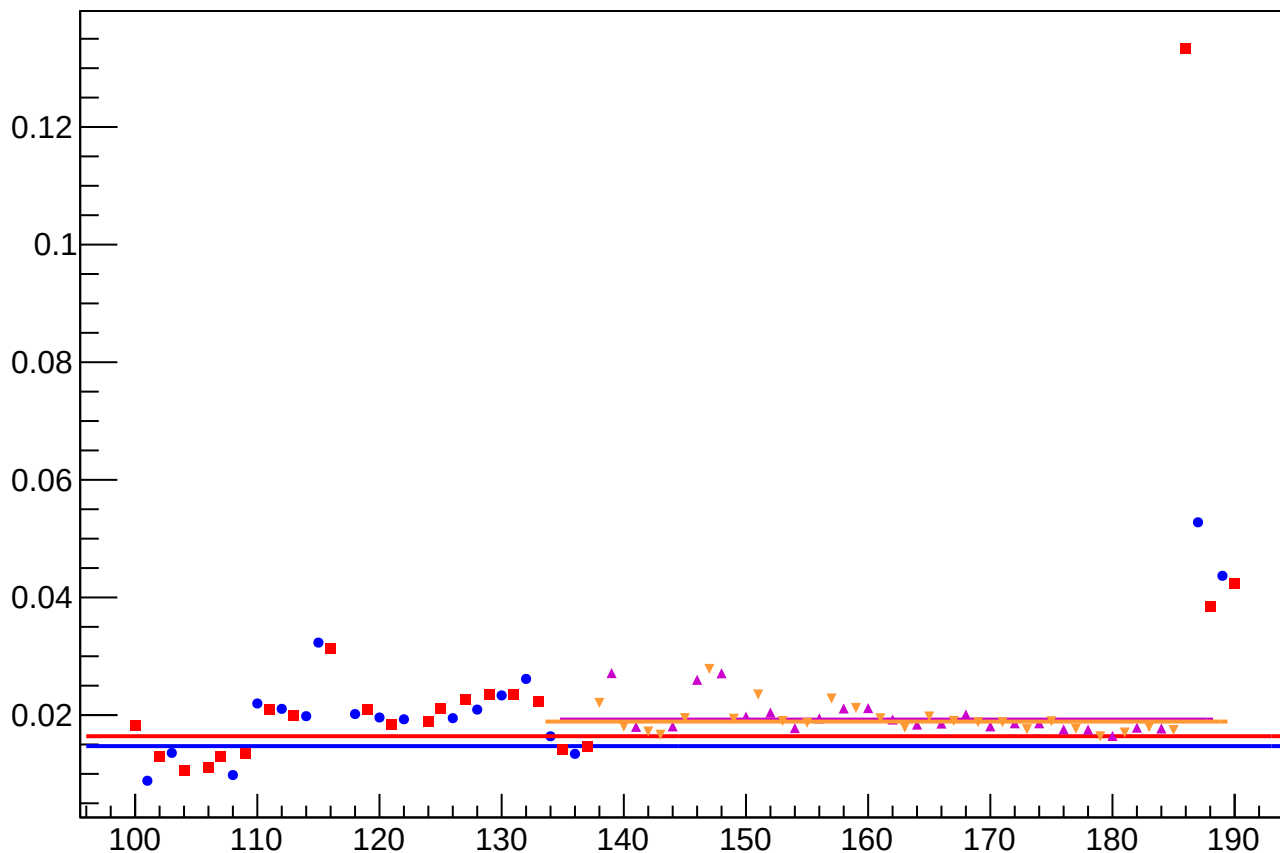
Left In: 9.065 $\pm$ 0.000 χ^2 /NDF: 8070708662.0/22

+ sign 9.675 $\pm$ 0.000 χ^2 /NDF: 64321678927.1/42

All: 9.674 $\pm$ 0.000 χ^2 /NDF: 123212744268.8

- sign 9.672 $\pm$ 0.000 χ^2 /NDF: 58890725114.8/44

yield_sam6_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 2129606.6/17

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:441360.7/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 2562689.2/21

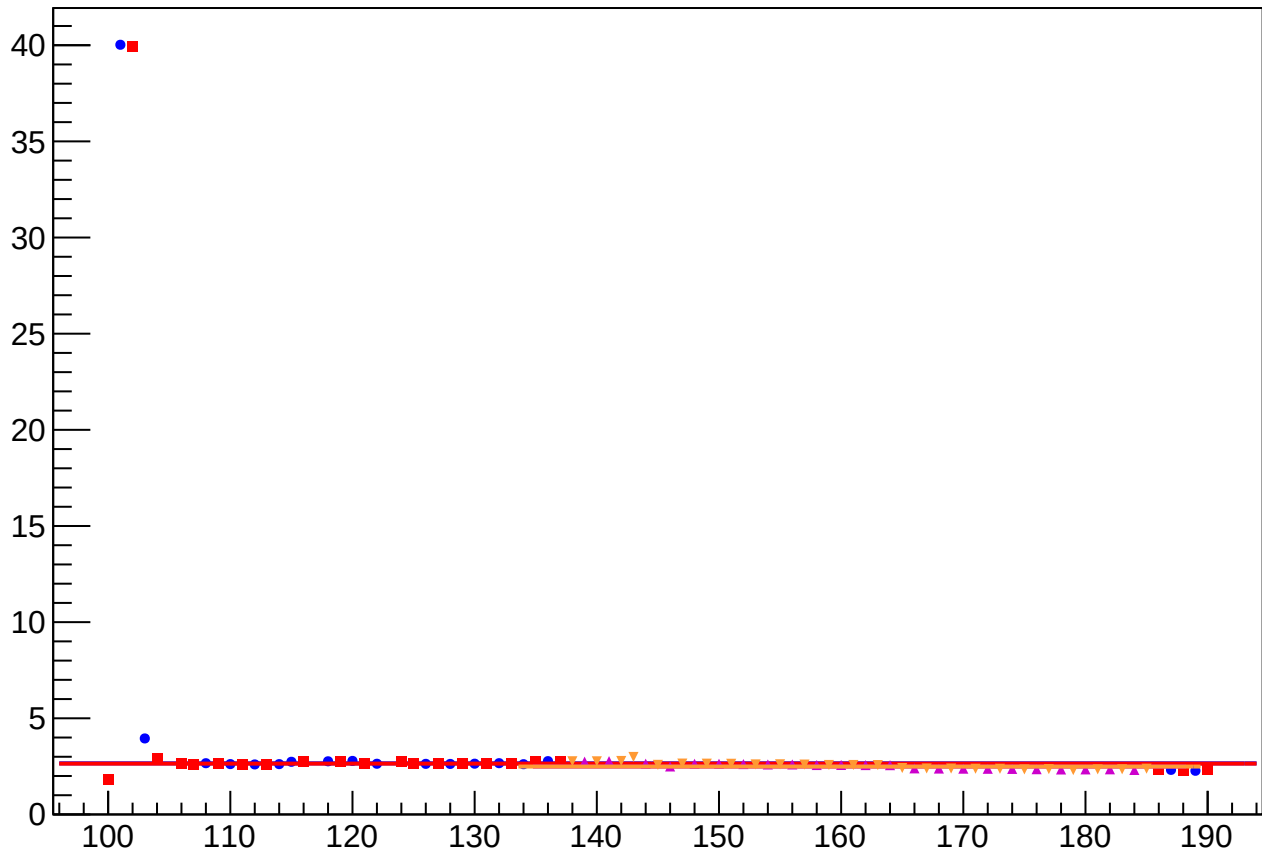
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:540886.4/22

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 3192147.3/42

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 6608235.5/87

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 3368680.4/44

yield_sam7_mean vs Slug



Right In: 2.658 $\pm$ 0.000 χ^2 /NDF: 70935329661.0/17

Left Out: 2.491 $\pm$ 0.000 χ^2 /NDF: 92364283353.6/24

Right Out: 2.643 $\pm$ 0.000 χ^2 /NDF: 71671179948.0/21

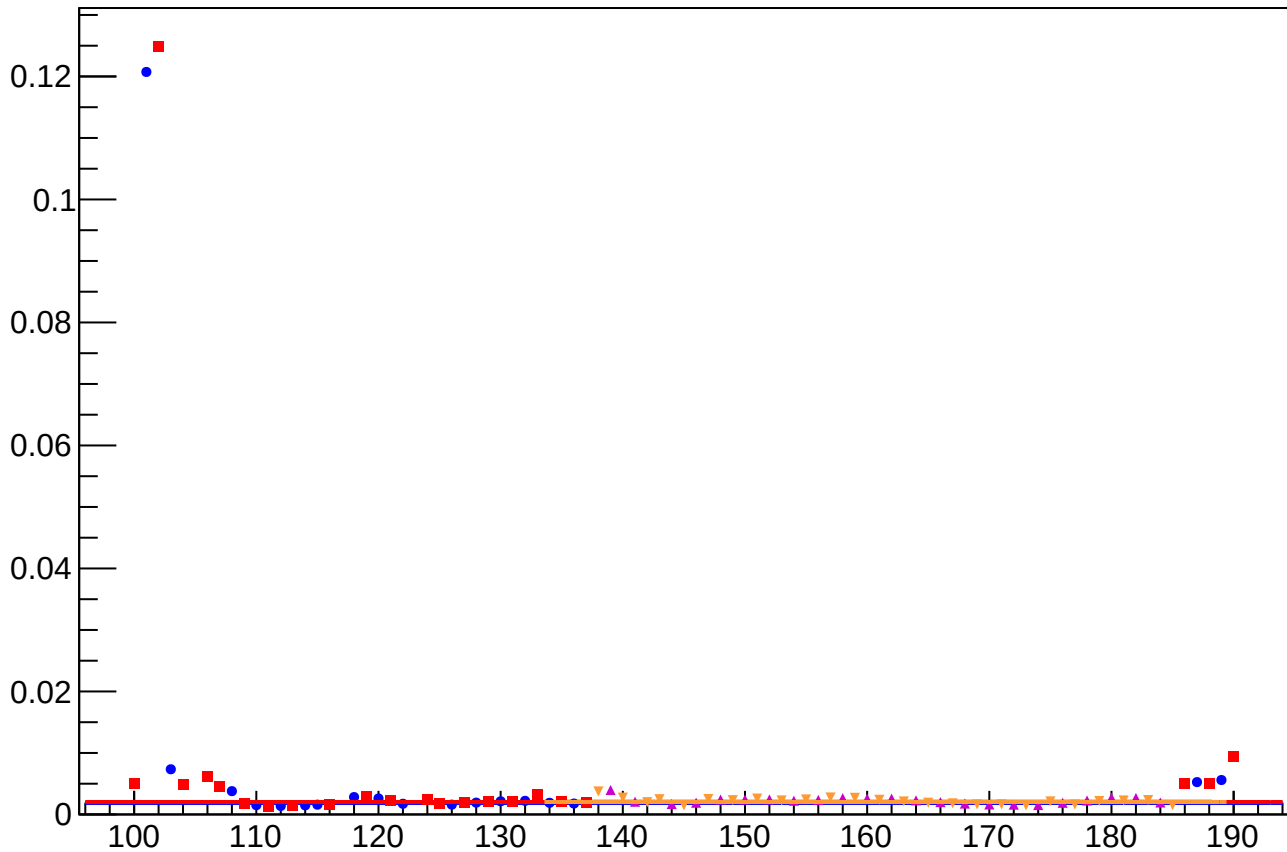
Left In: 2.489 $\pm$ 0.000 χ^2 /NDF: 61212546319.1/22

+ sign 2.538 $\pm$ 0.000 χ^2 /NDF: 192665575999.4/42

All: 2.536 $\pm$ 0.000 χ^2 /NDF: 350015761721.4

- sign 2.535 $\pm$ 0.000 χ^2 /NDF: 157321903474.3/44

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2406888.4/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1556481.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3889094.4/21

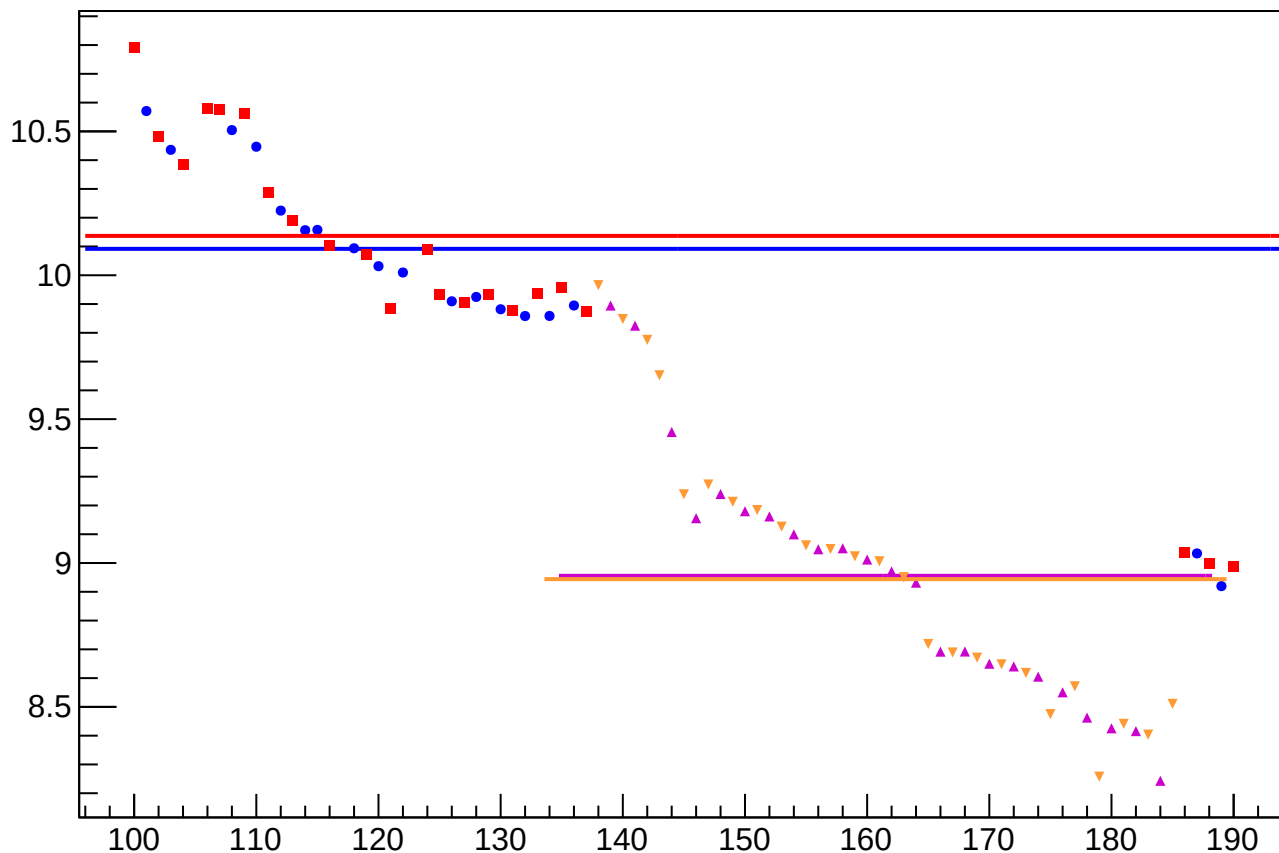
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1402331.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4014278.5/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 9336162.7/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5294256.7/44

yield_sam8_mean vs Slug



Right In: 10.092 $\pm$ 0.000 χ^2 /NDF: 12236429059.8/17

Left Out: 8.944 $\pm$ 0.000 χ^2 /NDF: 65887712966.5/24

Right Out: 10.137 $\pm$ 0.000 χ^2 /NDF: 16723854733.9/21

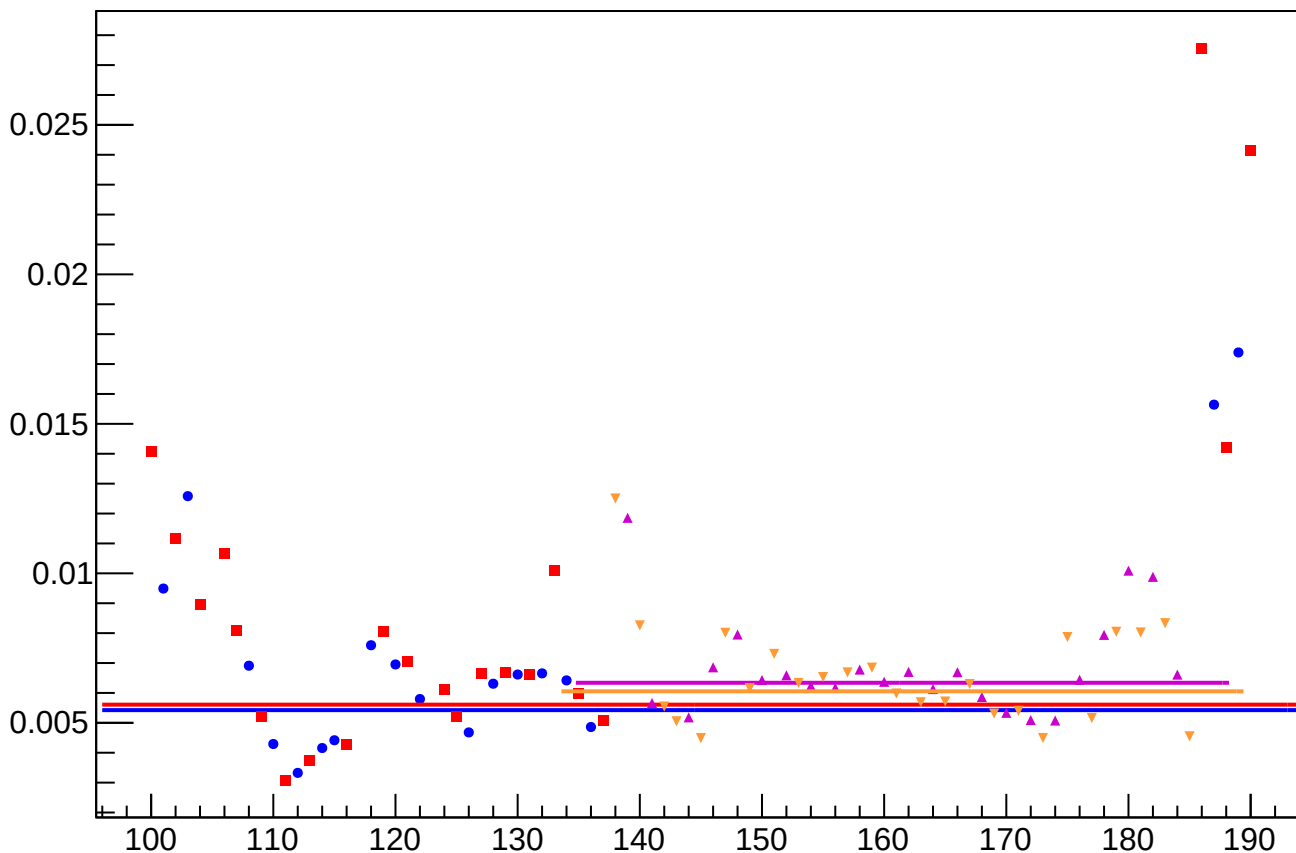
Left In: 8.956 $\pm$ 0.000 χ^2 /NDF: 51572164470.4/22

+ sign 9.311 $\pm$ 0.000 χ^2 /NDF: 253614209469.5/42

All: 9.344 $\pm$ 0.000 χ^2 /NDF: 504545279380.0

- sign 9.379 $\pm$ 0.000 χ^2 /NDF: 249560255028.7/44

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1903883.5/17

Left Out: 0.006+/-0.000 χ^2/NDF : 1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3411450.0/21

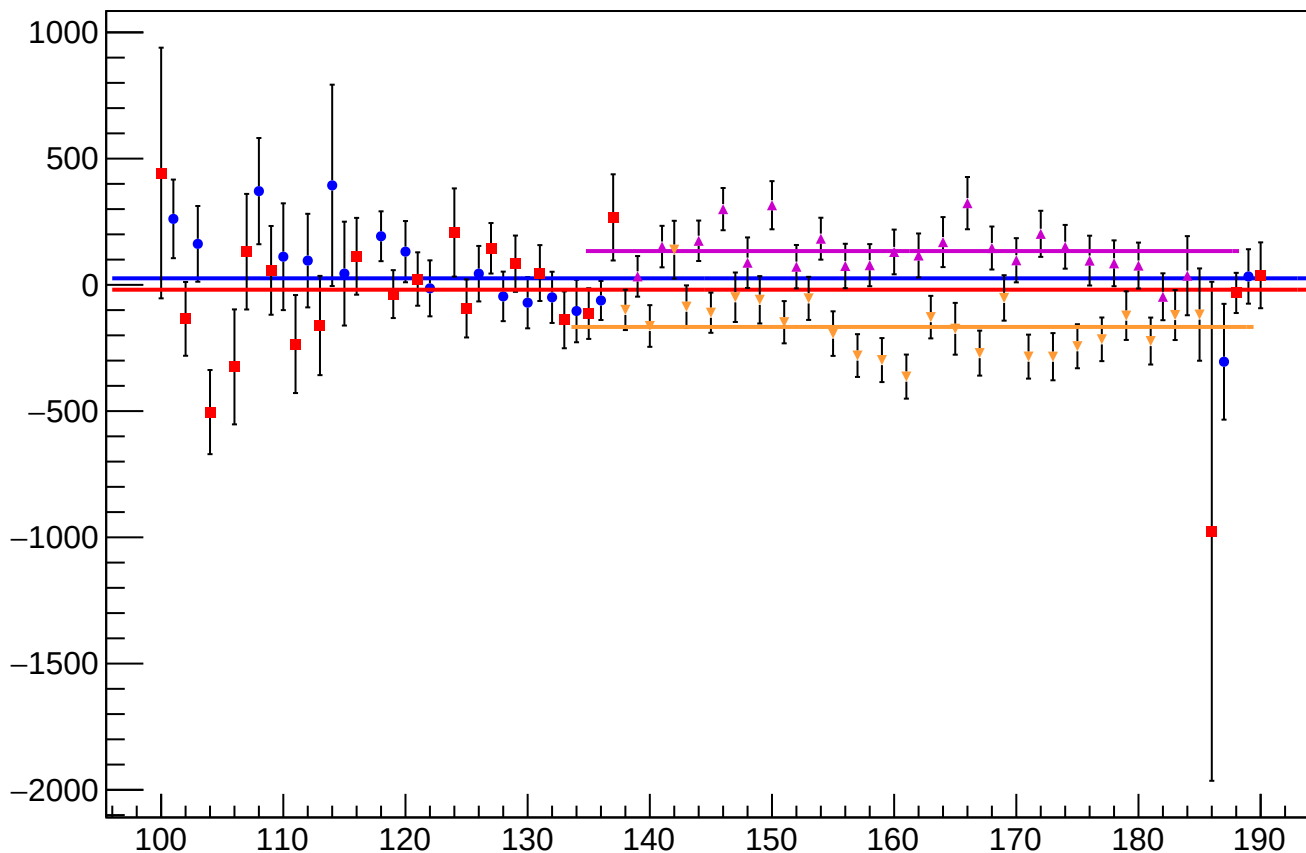
Left In: 0.006+/-0.000 χ^2/NDF : 1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF : 3470341.1/42

All: 0.006+/-0.000 χ^2/NDF : 8225794.7/87

- sign 0.006+/-0.000 χ^2/NDF : 4725822.3/44

reg_asym_sam1_mean vs Slug



Right In: 25.901 ± 29.359 $\chi^2/\text{NDF}: 17.2/17$

Left Out: -166.676 ± 18.079 $\chi^2/\text{NDF}: 31.6/24$

Right Out: -19.223 ± 28.234 $\chi^2/\text{NDF}: 27.1/21$

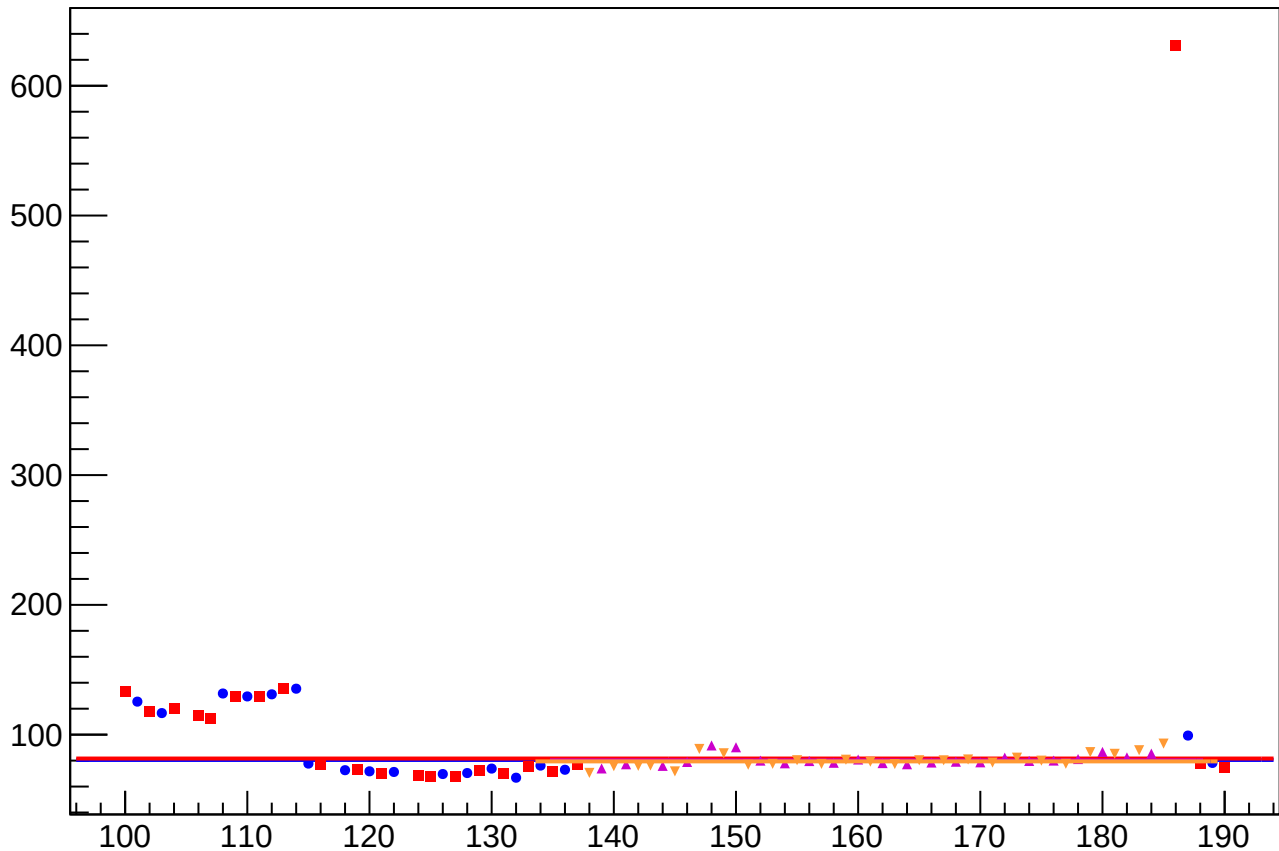
Left In: 133.843 ± 18.756 $\chi^2/\text{NDF}: 20.7/22$

+ sign -113.729 ± 15.394 $\chi^2/\text{NDF}: 80.0/42$

All: -14.855 ± 10.965 $\chi^2/\text{NDF}: 232.0/87$

- sign 86.977 ± 15.623 $\chi^2/\text{NDF}: 68.2/44$

reg_asym_sam1_rms vs Slug



Right In: 80.505 $\pm$ 0.021 χ^2 /NDF: 854422.5/17

Left Out: 79.410 $\pm$ 0.013 χ^2 /NDF: 134796.0/24

Right Out: 81.597 $\pm$ 0.020 χ^2 /NDF: 1560256.4/21

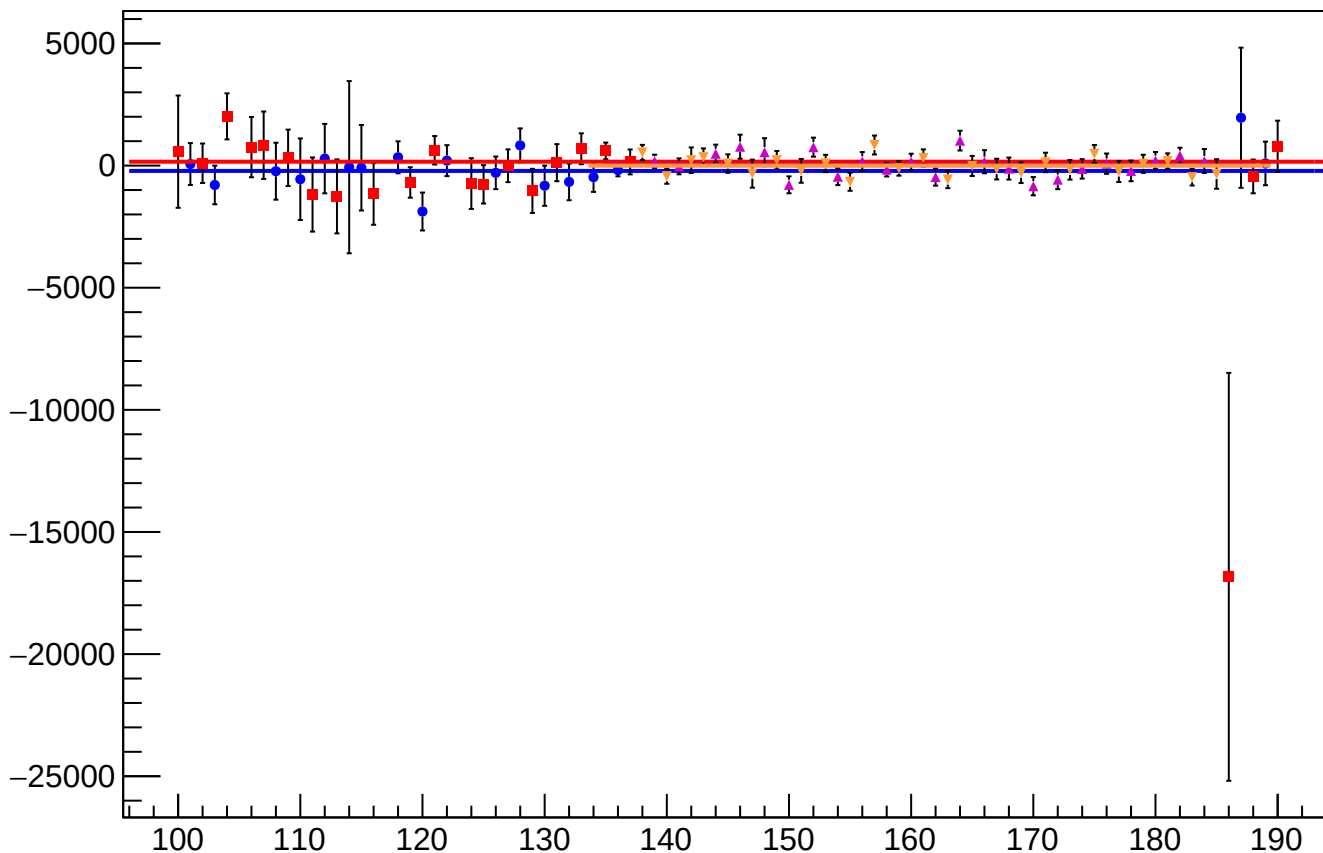
Left In: 80.160 $\pm$ 0.013 χ^2 /NDF: 91469.5/22

+ sign 79.711 $\pm$ 0.011 χ^2 /NDF: 991235.6/42

All: 80.149 $\pm$ 0.008 χ^2 /NDF: 2649835.6/87

- sign 80.600 $\pm$ 0.011 χ^2 /NDF: 1655317.7/44

asym_sam1_reg_correction_mean vs Slug



Right In: -218.115 ± 160.821 χ^2/NDF : 10.7/17

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 159.626 ± 163.380 χ^2/NDF : 21.3/21

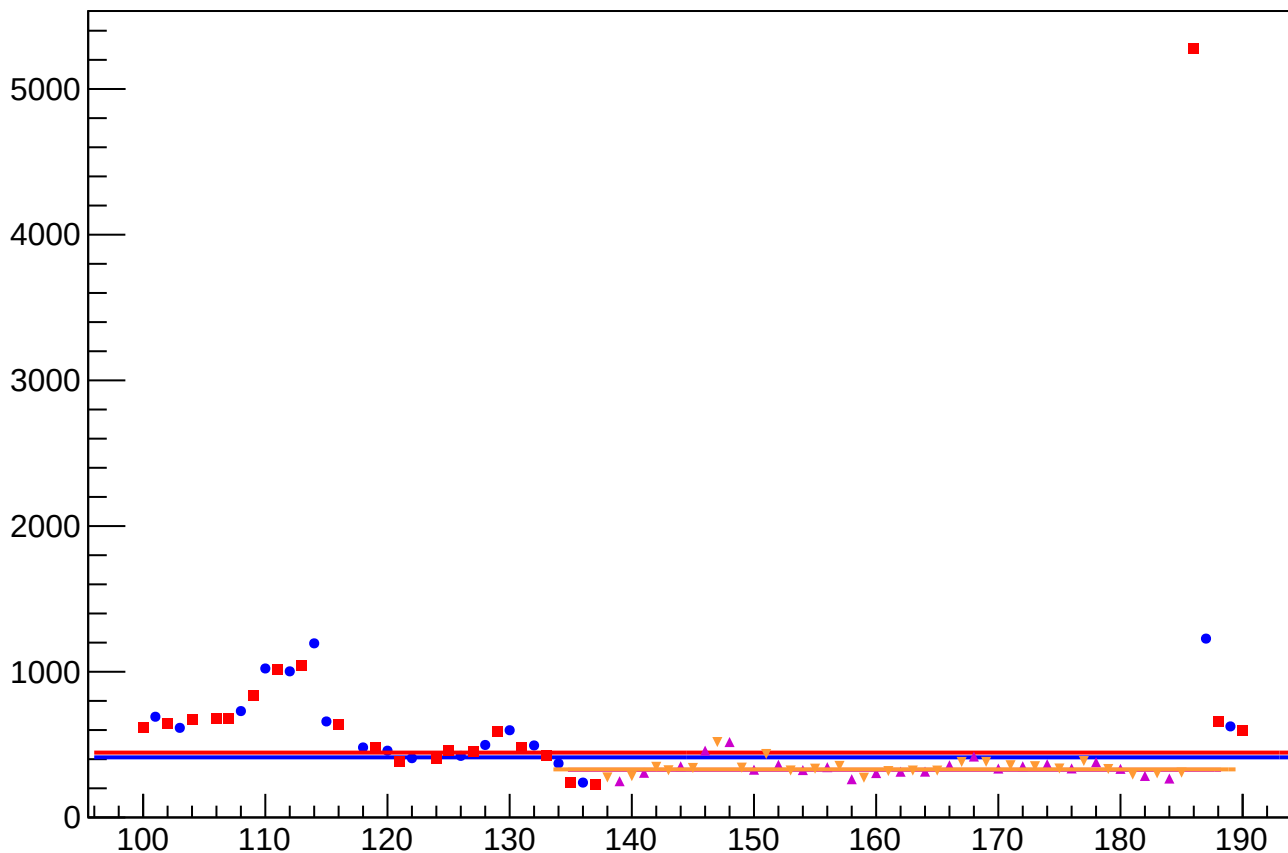
Left In: 19.298 ± 77.541 χ^2/NDF : 35.0/22

+ sign -42.543 ± 68.612 χ^2/NDF : 36.2/42

All: 0.367 ± 49.017 χ^2/NDF : 93.8/87

- sign 45.096 ± 70.051 χ^2/NDF : 56.9/44

asym_sam1_reg_correction_rms vs Slug



Right In: 412.473+/-0.114 χ^2/NDF : 2642198.4/17

Left Out: 329.968+/-0.054 χ^2/NDF : 659241.4/24

Right Out: 445.190+/-0.116 χ^2/NDF : 3302187.1/21

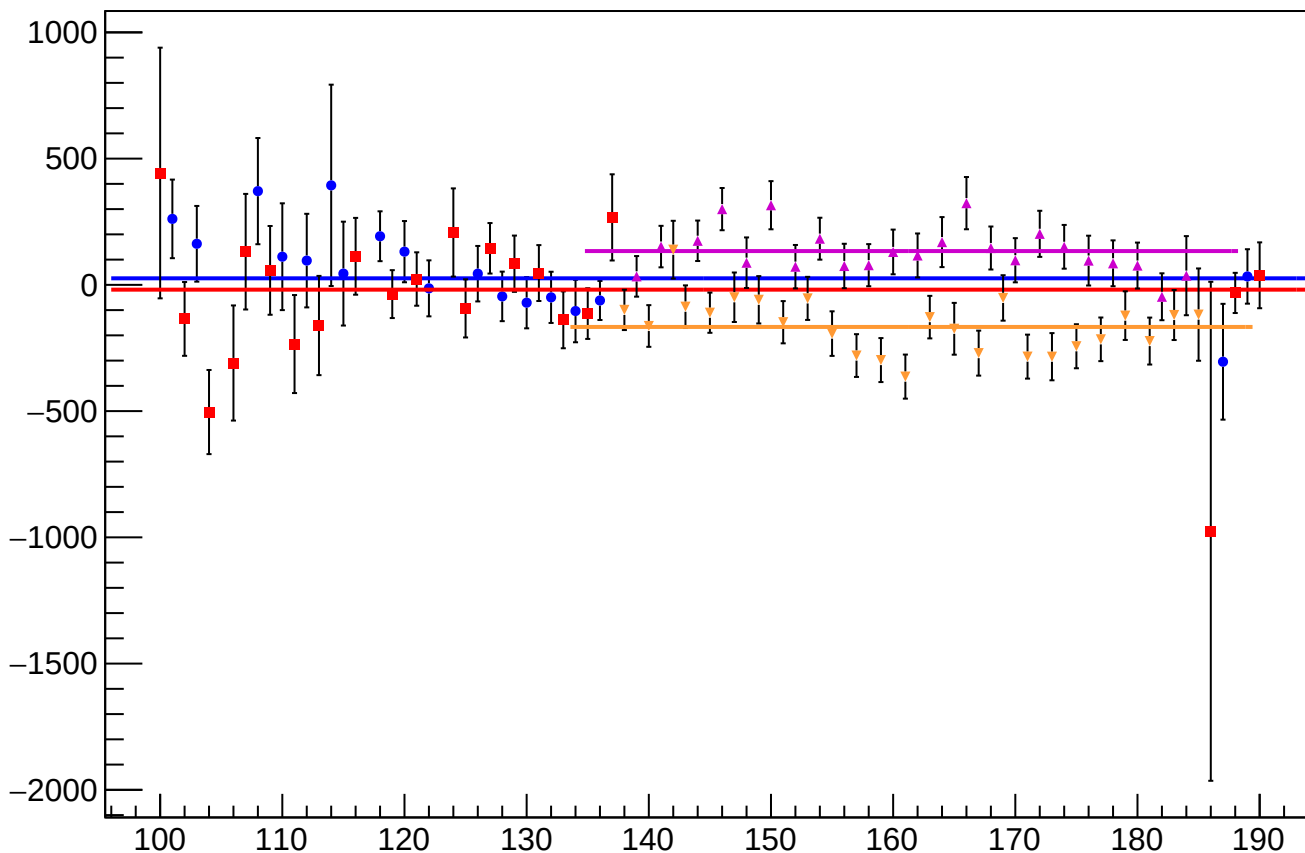
Left In: 326.963+/-0.055 χ^2/NDF : 899326.3/22

+ sign 344.985+/-0.049 χ^2/NDF : 3732015.2/42

All: 346.803+/-0.035 χ^2/NDF : 8791157.2/87

- sign 348.698+/-0.050 χ^2/NDF : 5056274.5/44

cor_asym_sam1_mean vs Slug



Right In: 25.911 ± 29.359 $\chi^2/\text{NDF}: 17.2/17$

Left Out: -166.675 ± 18.079 $\chi^2/\text{NDF}: 31.6/24$

Right Out: -18.982 ± 28.235 $\chi^2/\text{NDF}: 26.9/21$

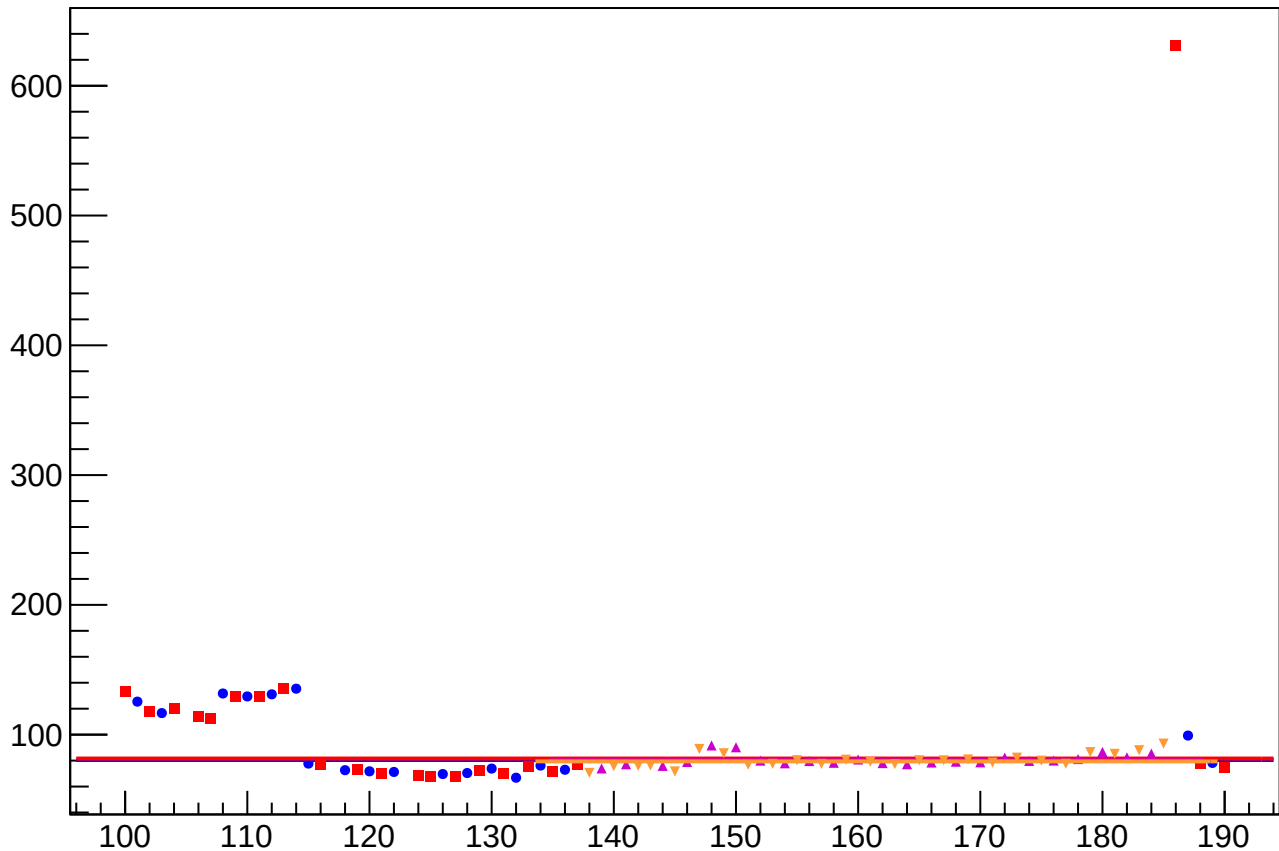
Left In: 133.850 ± 18.756 $\chi^2/\text{NDF}: 20.7/22$

+ sign -113.726 ± 15.394 $\chi^2/\text{NDF}: 80.0/42$

All: -14.814 ± 10.965 $\chi^2/\text{NDF}: 231.8/87$

- sign 87.058 ± 15.623 $\chi^2/\text{NDF}: 67.9/44$

cor_asym_sam1_rms vs Slug



Right In: 80.505 ± 0.021 $\chi^2/\text{NDF}: 854422.7/17$

Left Out: 79.410 ± 0.013 $\chi^2/\text{NDF}: 134796.1/24$

Right Out: 81.584 ± 0.020 $\chi^2/\text{NDF}: 1558360.6/21$

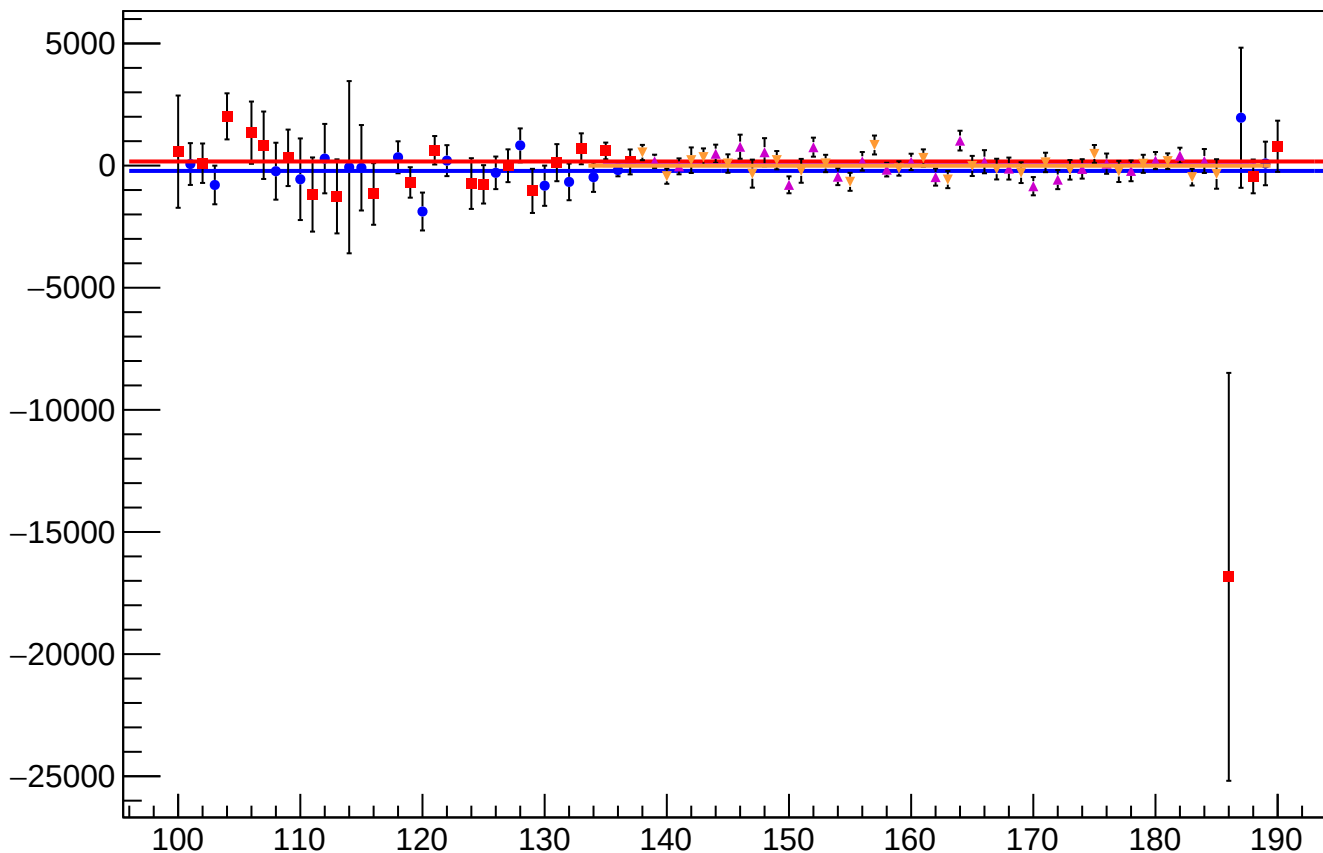
Left In: 80.160 ± 0.013 $\chi^2/\text{NDF}: 91469.5/22$

+ sign 79.711 ± 0.011 $\chi^2/\text{NDF}: 991235.8/42$

All: 80.147 ± 0.008 $\chi^2/\text{NDF}: 2647849.6/87$

- sign 80.596 ± 0.011 $\chi^2/\text{NDF}: 1653359.7/44$

asym_sam1_cor_correction_mean vs Slug



Right In: -218.113 ± 160.821 χ^2/NDF : 10.7/17

Left Out: -3.474 ± 75.863 χ^2/NDF : 24.0/24

Right Out: 168.754 ± 163.466 χ^2/NDF : 21.9/21

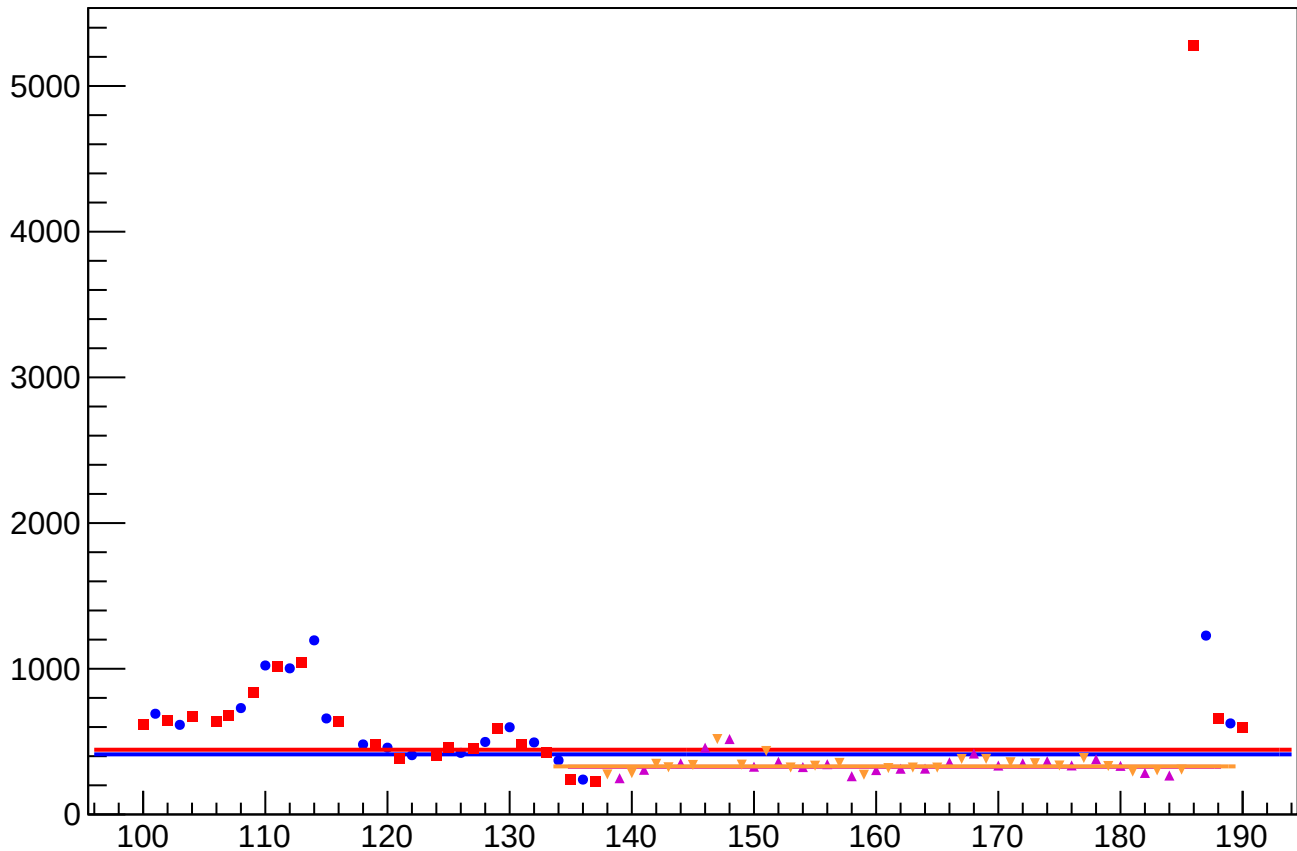
Left In: 19.305 ± 77.541 χ^2/NDF : 35.0/22

+ sign -42.542 ± 68.612 χ^2/NDF : 36.2/42

All: 1.176 ± 49.019 χ^2/NDF : 94.6/87

- sign 46.756 ± 70.058 χ^2/NDF : 57.6/44

asym_sam1_cor_correction_rms vs Slug



Right In: 412.473+/-0.114 χ^2/NDF : 2642192.8/17

Left Out: 329.968+/-0.054 χ^2/NDF : 659249.8/24

Right Out: 444.299+/-0.116 χ^2/NDF : 3277022.4/21

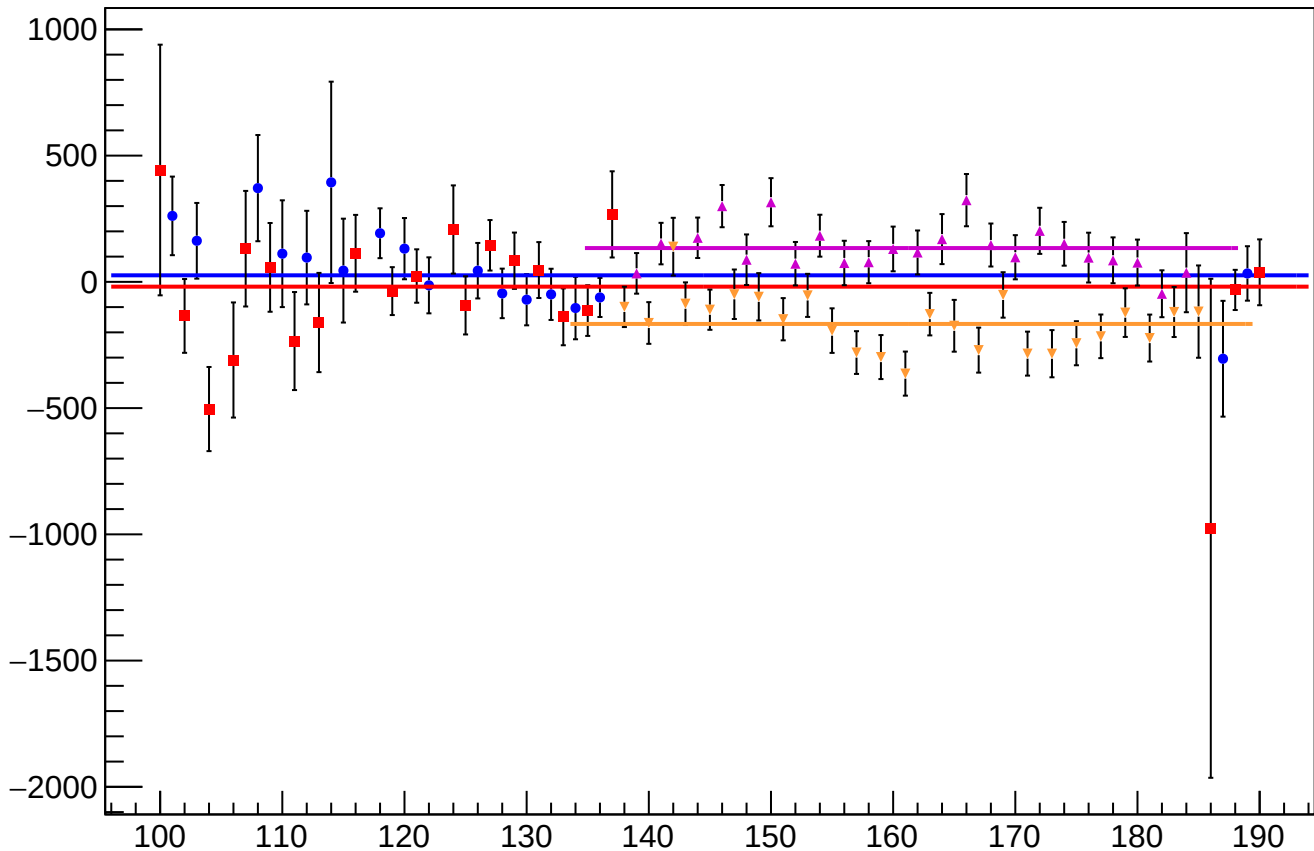
Left In: 326.963+/-0.055 χ^2/NDF : 899329.3/22

+ sign 344.985+/-0.049 χ^2/NDF : 3732021.3/42

All: 346.714+/-0.035 χ^2/NDF : 8752157.0/87

- sign 348.516+/-0.050 χ^2/NDF : 5017543.4/44

eigen_cor_asym_sam1_mean vs Slug



Right In: 25.911 ± 29.359 $\chi^2/\text{NDF}: 17.2/17$

Left Out: -166.675 ± 18.079 $\chi^2/\text{NDF}: 31.6/24$

Right Out: -18.982 ± 28.235 $\chi^2/\text{NDF}: 26.9/21$

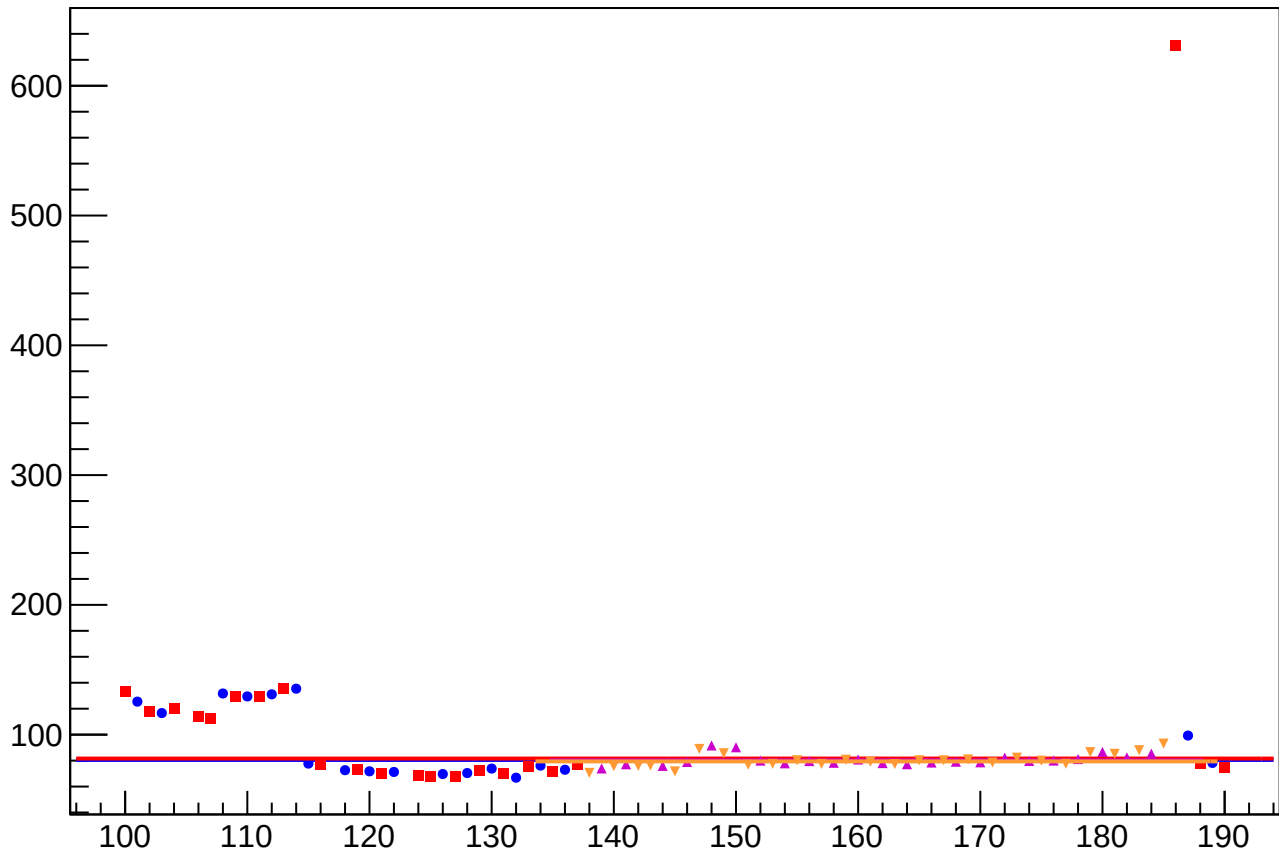
Left In: 133.850 ± 18.756 $\chi^2/\text{NDF}: 20.7/22$

+ sign -113.726 ± 15.394 $\chi^2/\text{NDF}: 80.0/42$

All: -14.814 ± 10.965 $\chi^2/\text{NDF}: 231.8/87$

- sign 87.058 ± 15.623 $\chi^2/\text{NDF}: 67.9/44$

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.505 $\pm$ 0.021 χ^2 /NDF: 854422.7/17

Left Out: 79.410 $\pm$ 0.013 χ^2 /NDF:134796.1/24

Right Out: 81.584 $\pm$ 0.020 χ^2 /NDF: 1558360.6/21

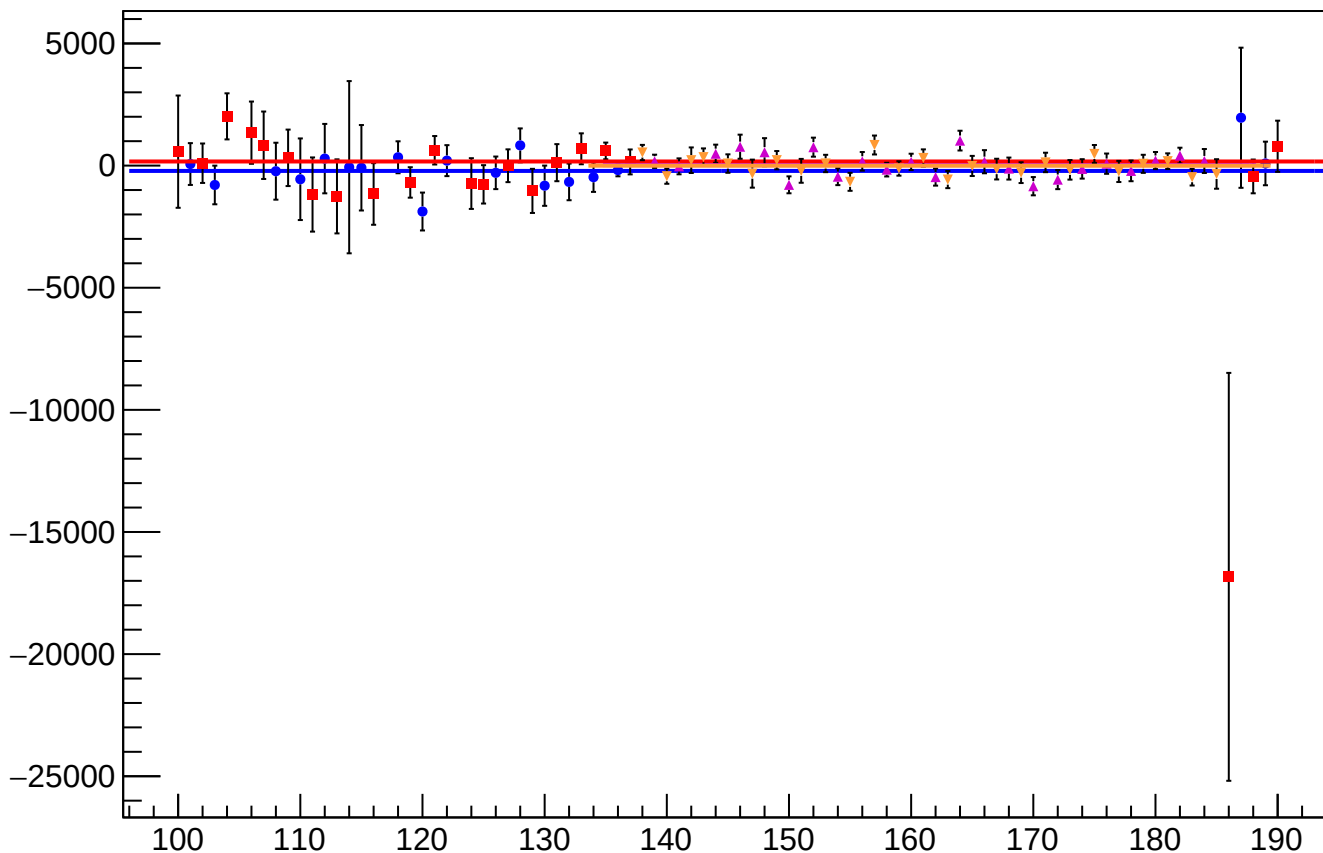
Left In: 80.160 $\pm$ 0.013 χ^2 /NDF:91469.5/22

+ sign 79.711 $\pm$ 0.011 χ^2 /NDF: 991235.8/42

All: 80.147 $\pm$ 0.008 χ^2 /NDF: 2647849.6/87

- sign 80.596 $\pm$ 0.011 χ^2 /NDF: 1653359.7/44

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -218.113+/-160.821 χ^2 /NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2 /NDF: 24.0/24

Right Out: 168.754+/-163.466 χ^2 /NDF: 21.9/21

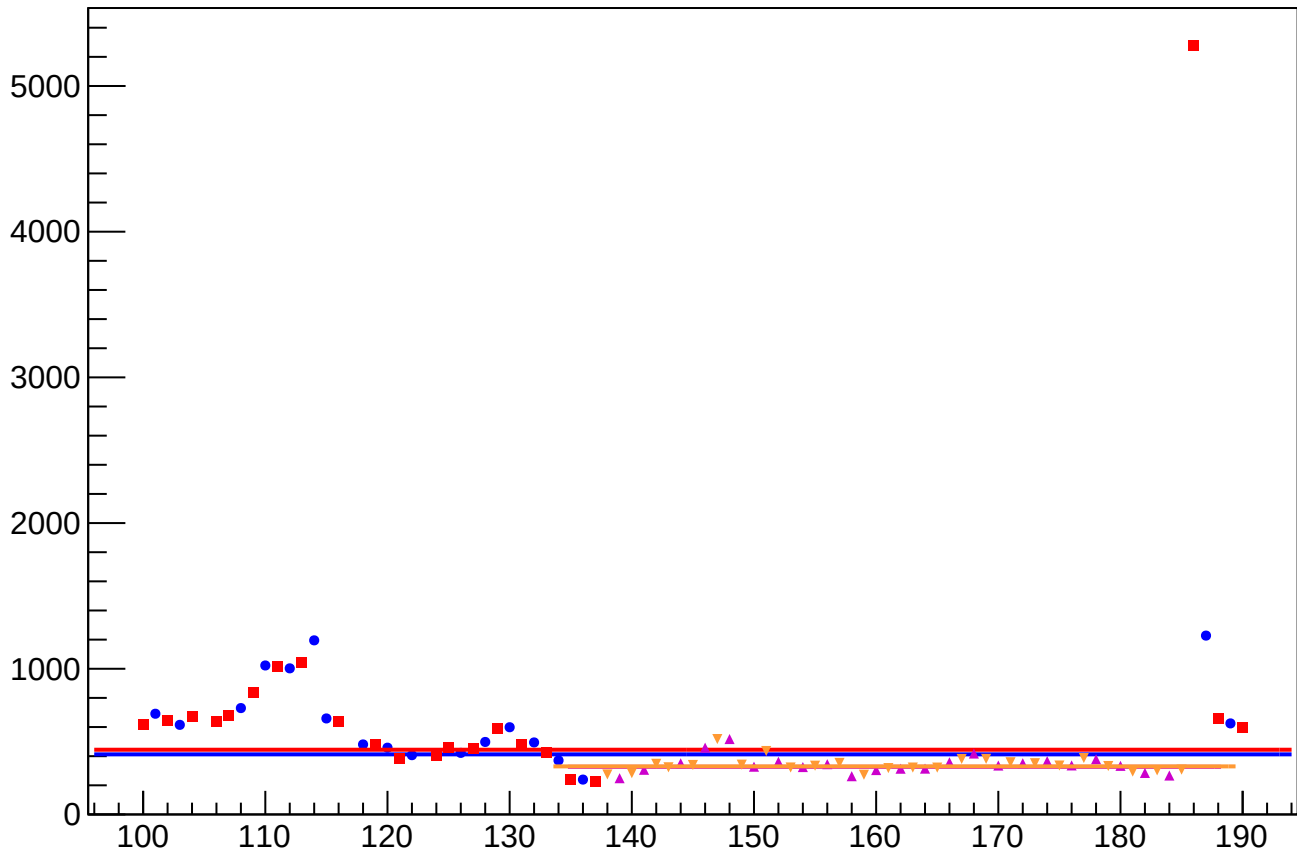
Left In: 19.305+/-77.541 χ^2 /NDF: 35.0/22

+ sign -42.542+/-68.612 χ^2 /NDF: 36.2/42

All: 1.176+/-49.019 χ^2 /NDF: 94.6/87

- sign 46.756+/-70.058 χ^2 /NDF: 57.6/44

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 412.473 $\pm$ 0.114 χ^2 /NDF: 2642192.8/17

Left Out: 329.968 $\pm$ 0.054 χ^2 /NDF:659249.8/24

Right Out: 444.299 $\pm$ 0.116 χ^2 /NDF: 3277022.4/21

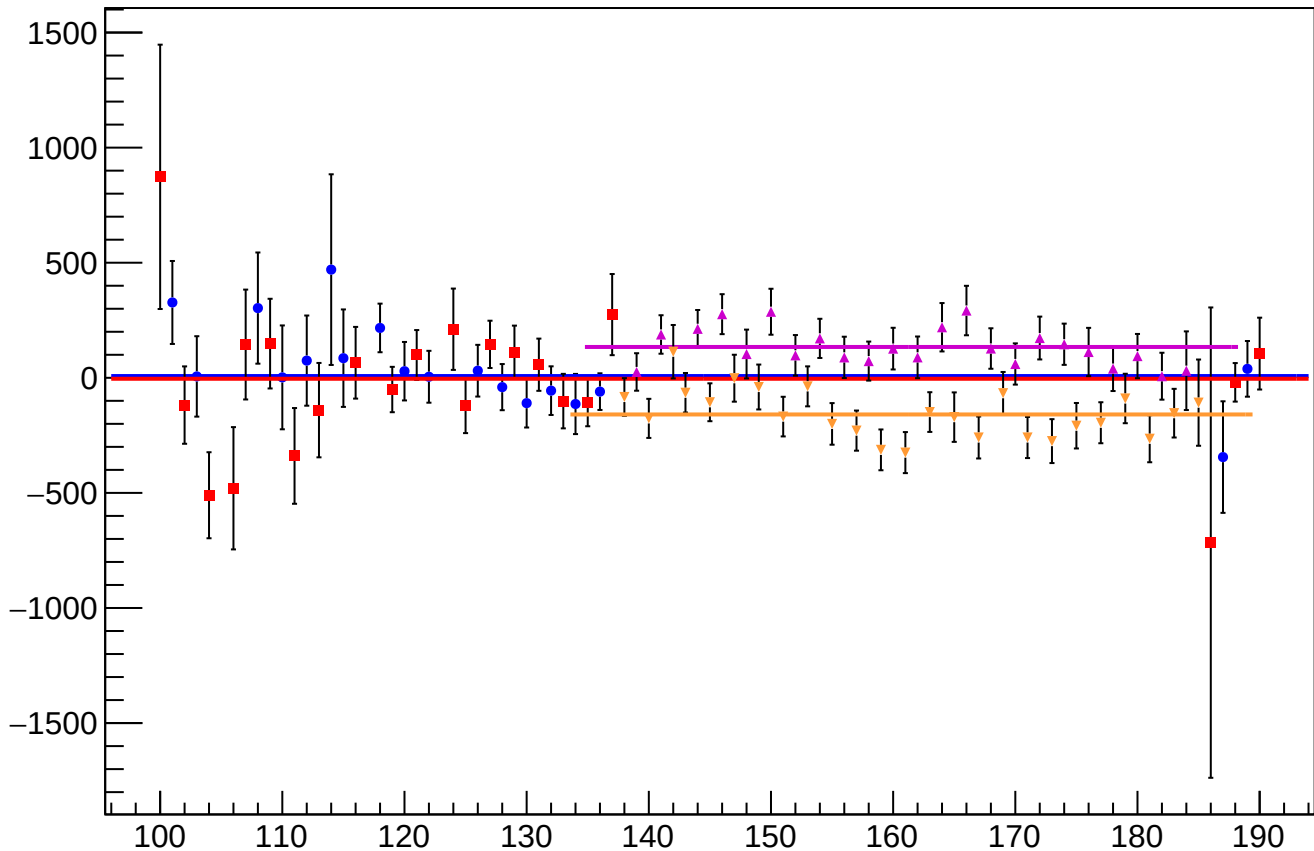
Left In: 326.963 $\pm$ 0.055 χ^2 /NDF:899329.3/22

+ sign 344.985 $\pm$ 0.049 χ^2 /NDF: 3732021.3/42

All: 346.714 $\pm$ 0.035 χ^2 /NDF: 8752157.0/87

- sign 348.516 $\pm$ 0.050 χ^2 /NDF: 5017543.4/44

dit_asym_sam1_mean vs Slug



Right In: 7.628 ± 30.948 χ^2/NDF : 15.7/17

Left Out: -159.223 ± 18.749 χ^2/NDF : 28.2/24

Right Out: -4.145 ± 29.686 χ^2/NDF : 29.8/21

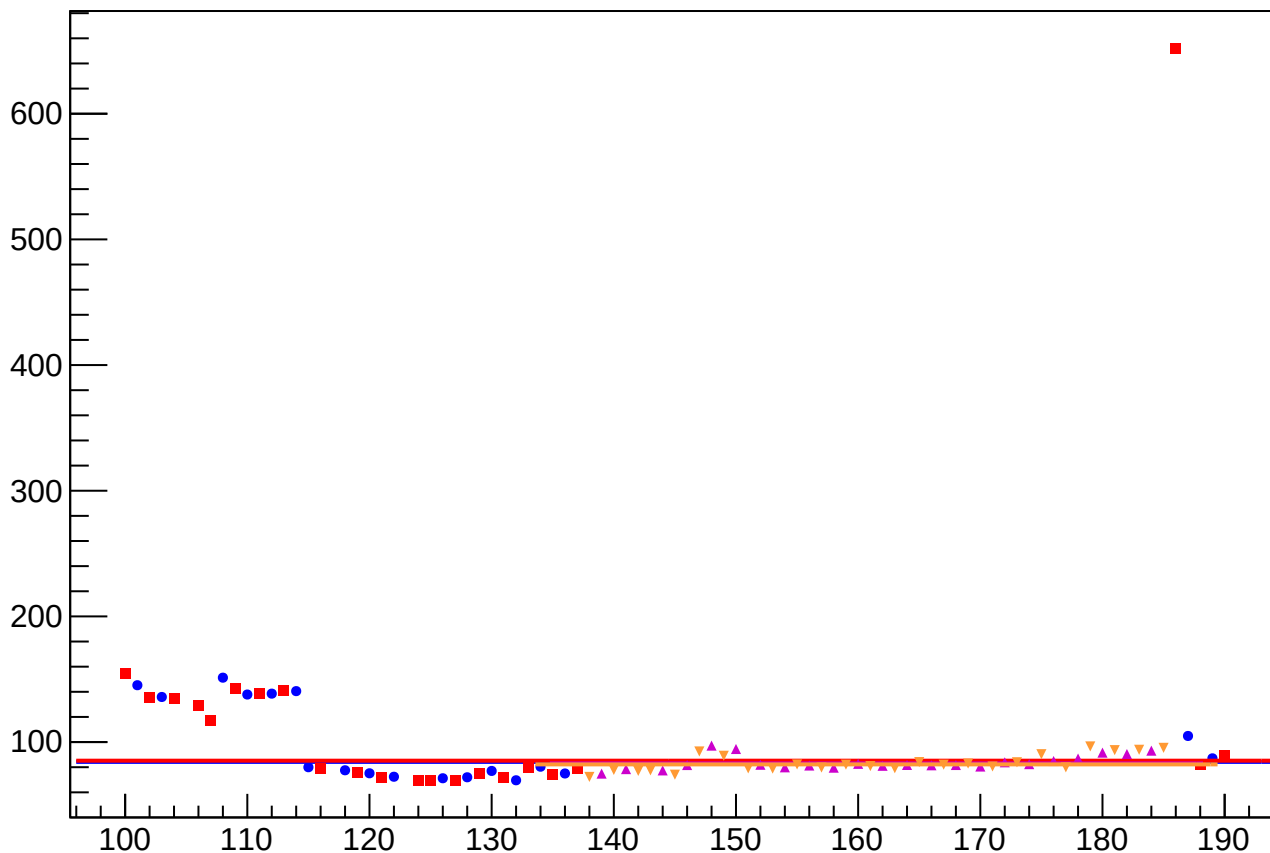
Left In: 134.010 ± 19.441 χ^2/NDF : 16.4/22

+ sign -114.426 ± 16.036 χ^2/NDF : 65.1/42

All: -12.400 ± 11.419 χ^2/NDF : 208.6/87

- sign 92.544 ± 16.264 χ^2/NDF : 61.4/44

dit_asym_sam1_rms vs Slug



Right In: 84.226 $\pm$ 0.022 χ^2 /NDF: 1051014.3/17

Left Out: 82.247 $\pm$ 0.013 χ^2 /NDF: 216548.3/24

Right Out: 85.186 $\pm$ 0.021 χ^2 /NDF: 1741541.9/21

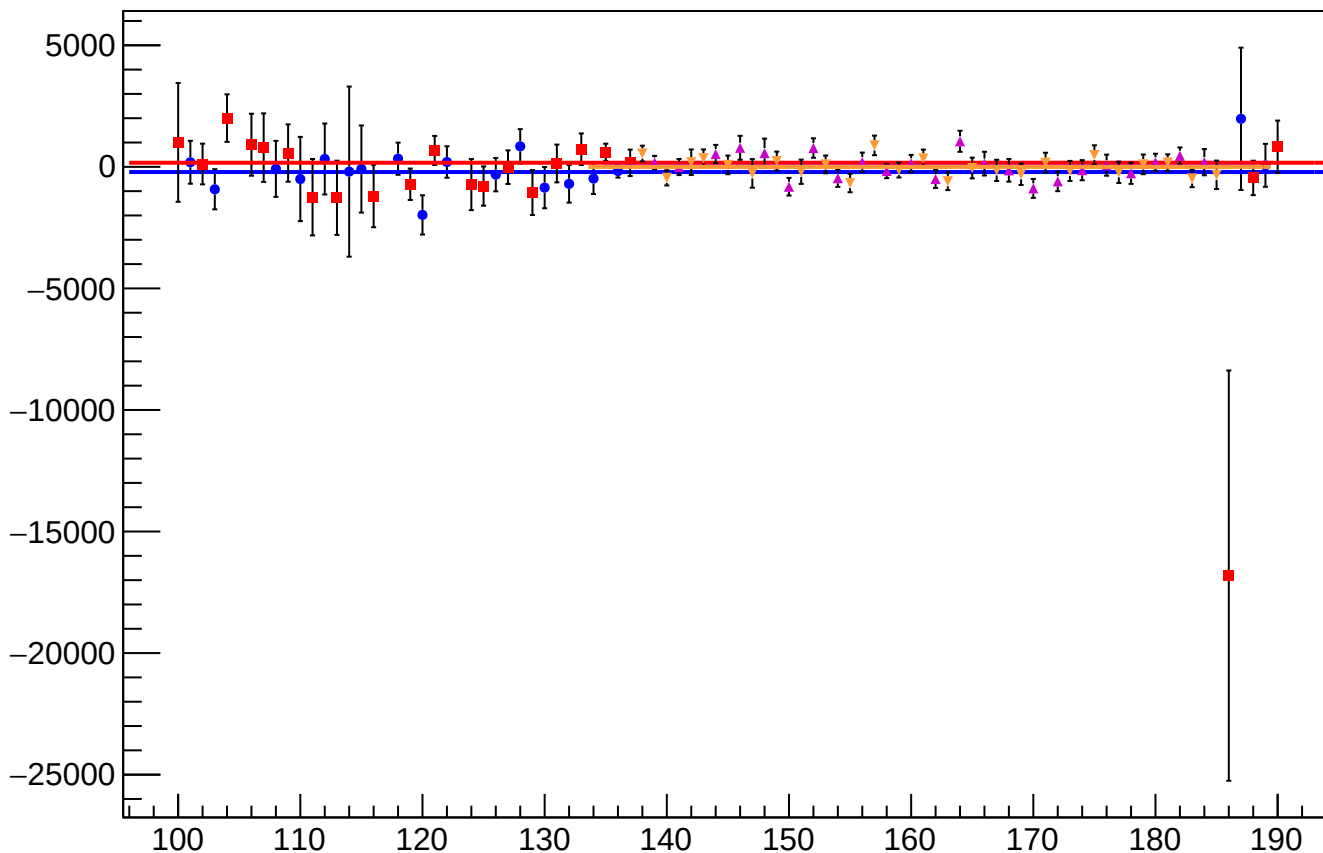
Left In: 82.993 $\pm$ 0.014 χ^2 /NDF: 145608.6/22

+ sign 82.778 $\pm$ 0.011 χ^2 /NDF: 1273540.7/42

All: 83.209 $\pm$ 0.008 χ^2 /NDF: 3171252.6/87

- sign 83.651 $\pm$ 0.012 χ^2 /NDF: 1894790.3/44

asym_sam1_dit_correction_mean vs Slug



Right In: -213.752 ± 166.790 χ^2/NDF : 11.1/17

Left Out: -3.095 ± 78.582 χ^2/NDF : 23.5/24

Right Out: 168.962 ± 168.710 χ^2/NDF : 21.1/21

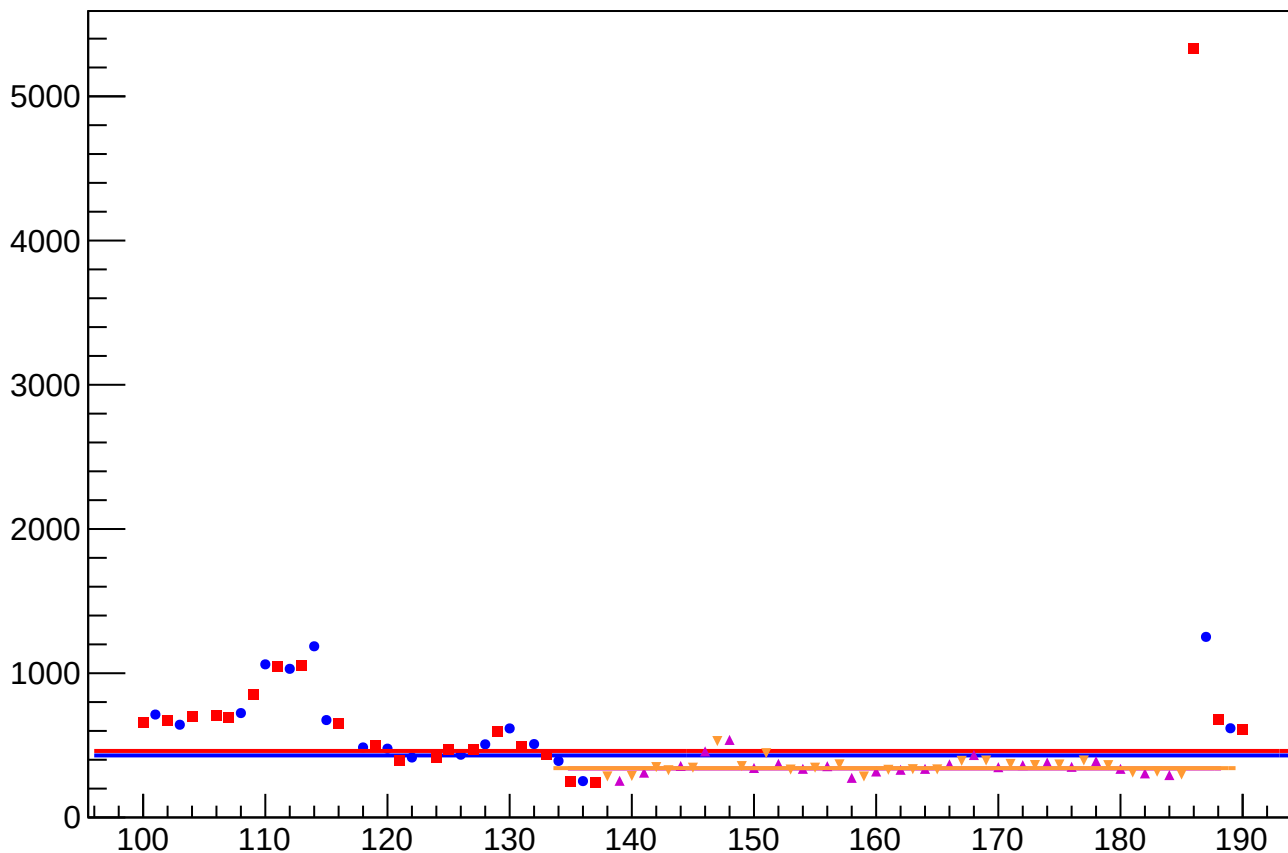
Left In: 16.519 ± 80.410 χ^2/NDF : 34.9/22

+ sign -41.361 ± 71.087 χ^2/NDF : 35.9/42

All: 0.790 ± 50.788 χ^2/NDF : 93.3/87

- sign 44.738 ± 72.587 χ^2/NDF : 56.7/44

asym_sam1_dit_correction_rms vs Slug



Right In: 430.098 $\pm$ 0.118 χ^2 /NDF: 2510004.5/17

Left Out: 341.918 $\pm$ 0.056 χ^2 /NDF: 653930.4/24

Right Out: 461.131 $\pm$ 0.119 χ^2 /NDF: 3223439.5/21

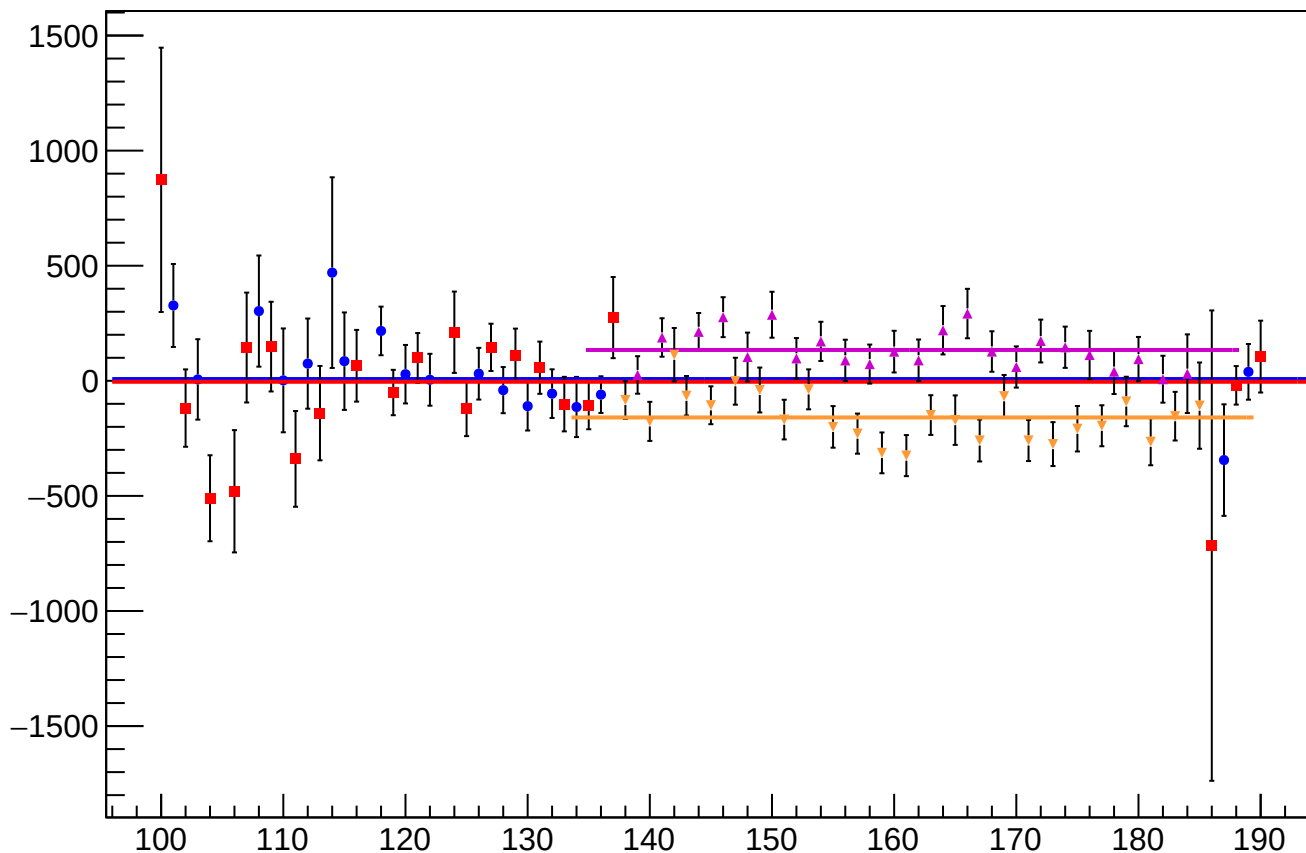
Left In: 339.430 $\pm$ 0.057 χ^2 /NDF: 846706.0/22

+ sign 357.936 $\pm$ 0.050 χ^2 /NDF: 3621415.2/42

All: 359.905 $\pm$ 0.036 χ^2 /NDF: 8542771.0/87

- sign 361.958 $\pm$ 0.051 χ^2 /NDF: 4918221.5/44

eigen_dit_asym_sam1_mean vs Slug



Right In: 7.629 ± 30.948 χ^2/NDF : 15.7/17

Left Out: -159.223 ± 18.749 χ^2/NDF : 28.2/24

Right Out: -4.144 ± 29.686 χ^2/NDF : 29.8/21

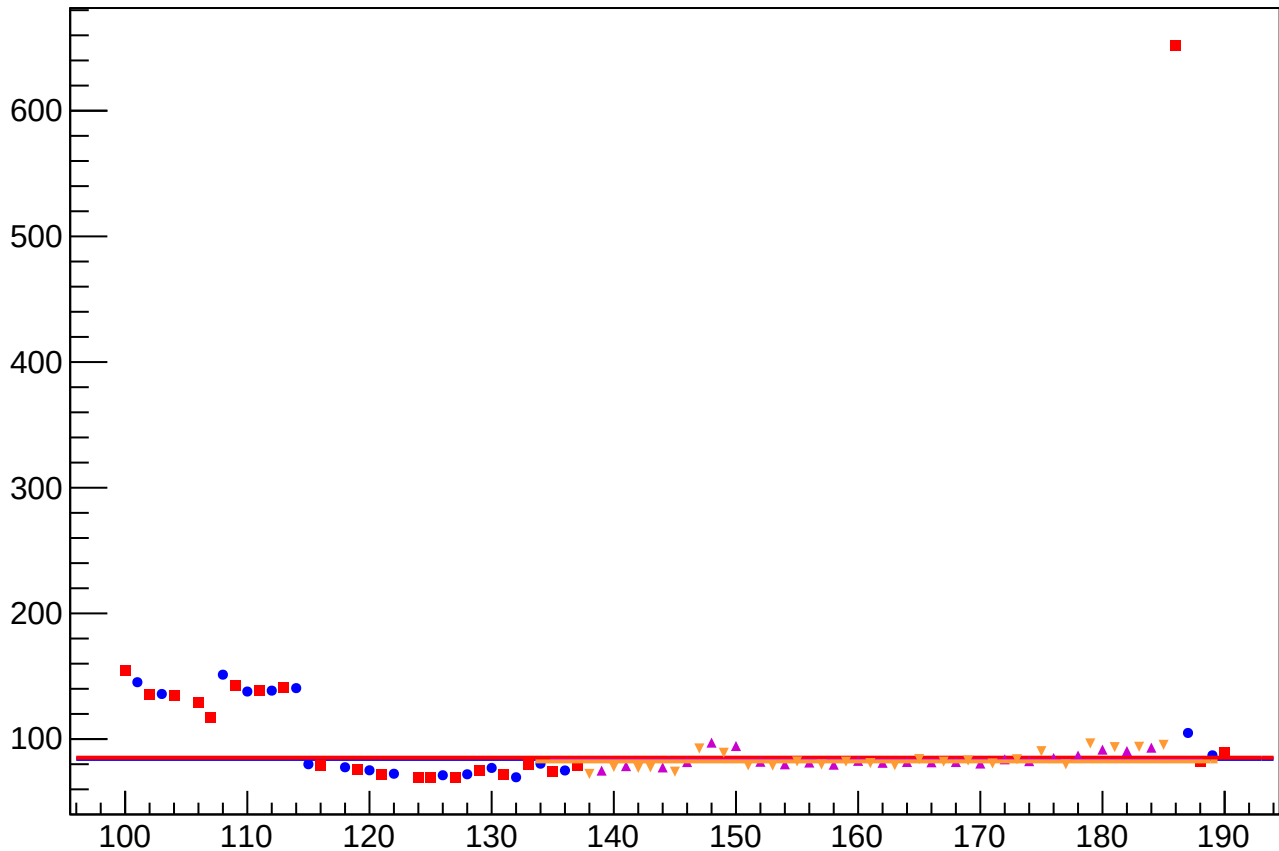
Left In: 134.010 ± 19.441 χ^2/NDF : 16.4/22

+ sign -114.426 ± 16.036 χ^2/NDF : 65.1/42

All: -12.400 ± 11.419 χ^2/NDF : 208.6/87

- sign 92.544 ± 16.264 χ^2/NDF : 61.4/44

eigen_dit_asym_sam1_rms vs Slug



Right In: 84.225 $\pm$ 0.022 χ^2 /NDF: 1051013.8/17

Left Out: 82.247 $\pm$ 0.013 χ^2 /NDF: 216548.5/24

Right Out: 85.186 $\pm$ 0.021 χ^2 /NDF: 1741541.2/21

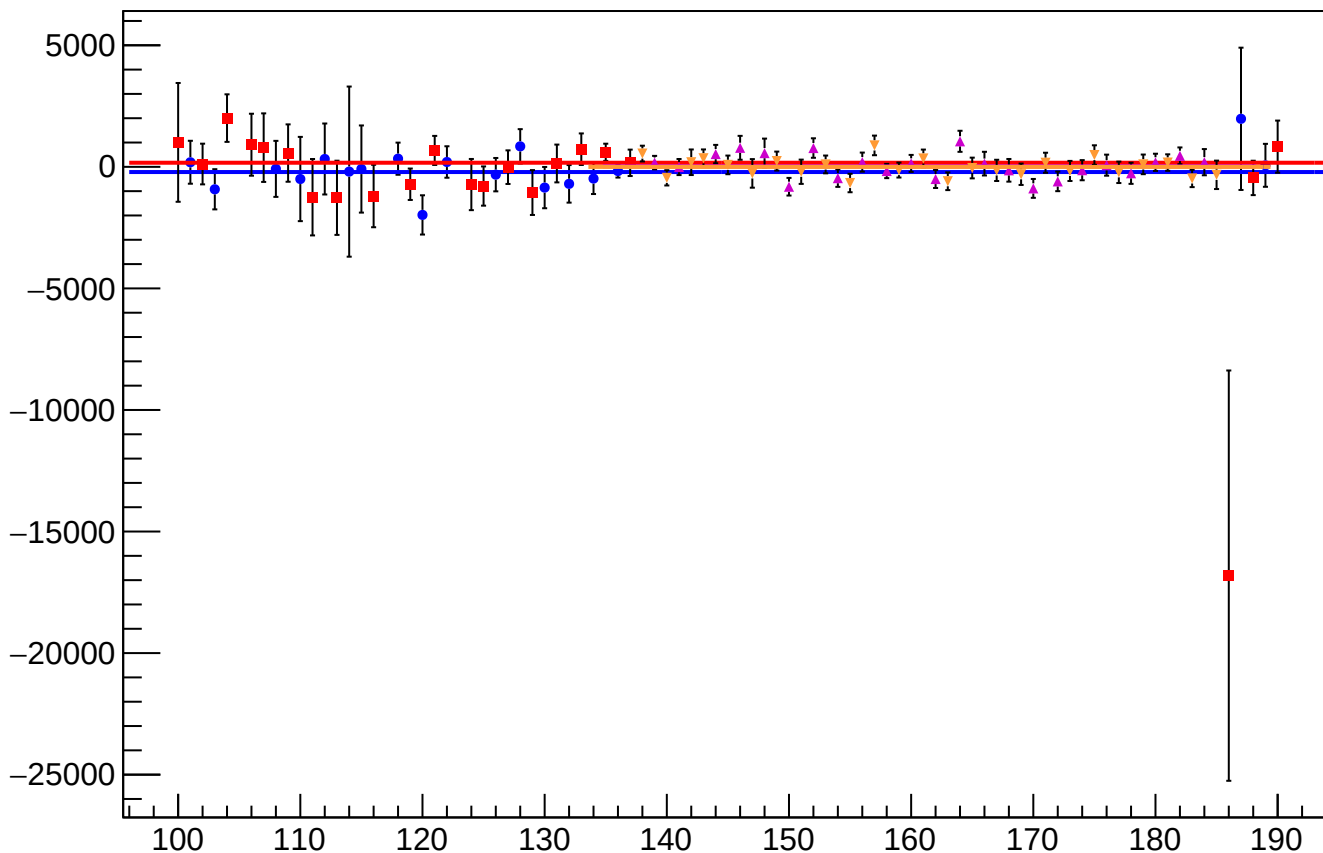
Left In: 82.993 $\pm$ 0.014 χ^2 /NDF: 145607.1/22

+ sign 82.778 $\pm$ 0.011 χ^2 /NDF: 1273540.1/42

All: 83.209 $\pm$ 0.008 χ^2 /NDF: 3171249.2/87

- sign 83.651 $\pm$ 0.012 χ^2 /NDF: 1894787.7/44

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -213.751 ± 166.790 χ^2/NDF : 11.1/17

Left Out: -3.094 ± 78.582 χ^2/NDF : 23.5/24

Right Out: 168.962 ± 168.710 χ^2/NDF : 21.1/21

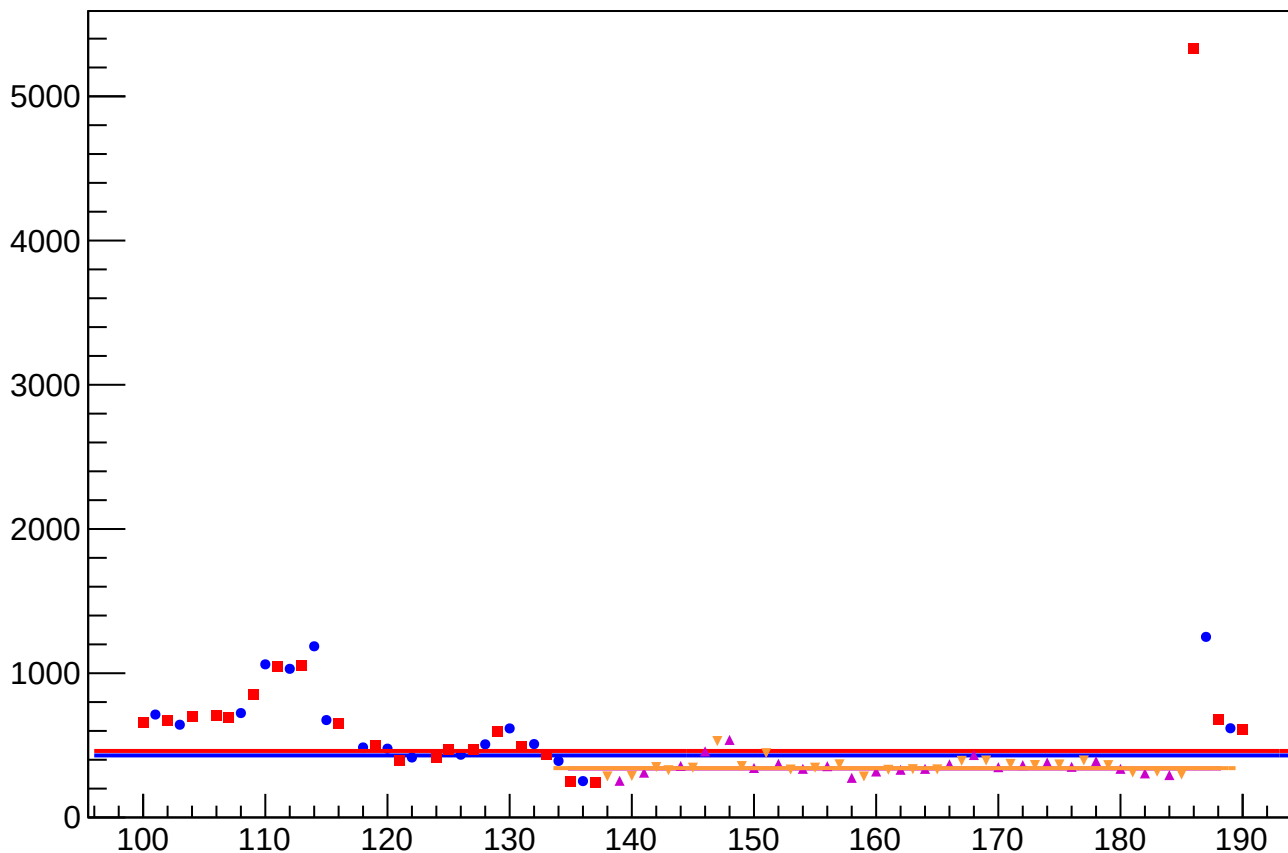
Left In: 16.519 ± 80.410 χ^2/NDF : 34.9/22

+ sign -41.360 ± 71.087 χ^2/NDF : 35.9/42

All: 0.790 ± 50.788 χ^2/NDF : 93.3/87

- sign 44.738 ± 72.587 χ^2/NDF : 56.7/44

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 430.097+/-0.118 χ^2/NDF : 2510009.5/17

Left Out: 341.918+/-0.056 χ^2/NDF : 653932.3/24

Right Out: 461.130+/-0.119 χ^2/NDF : 3223446.4/21

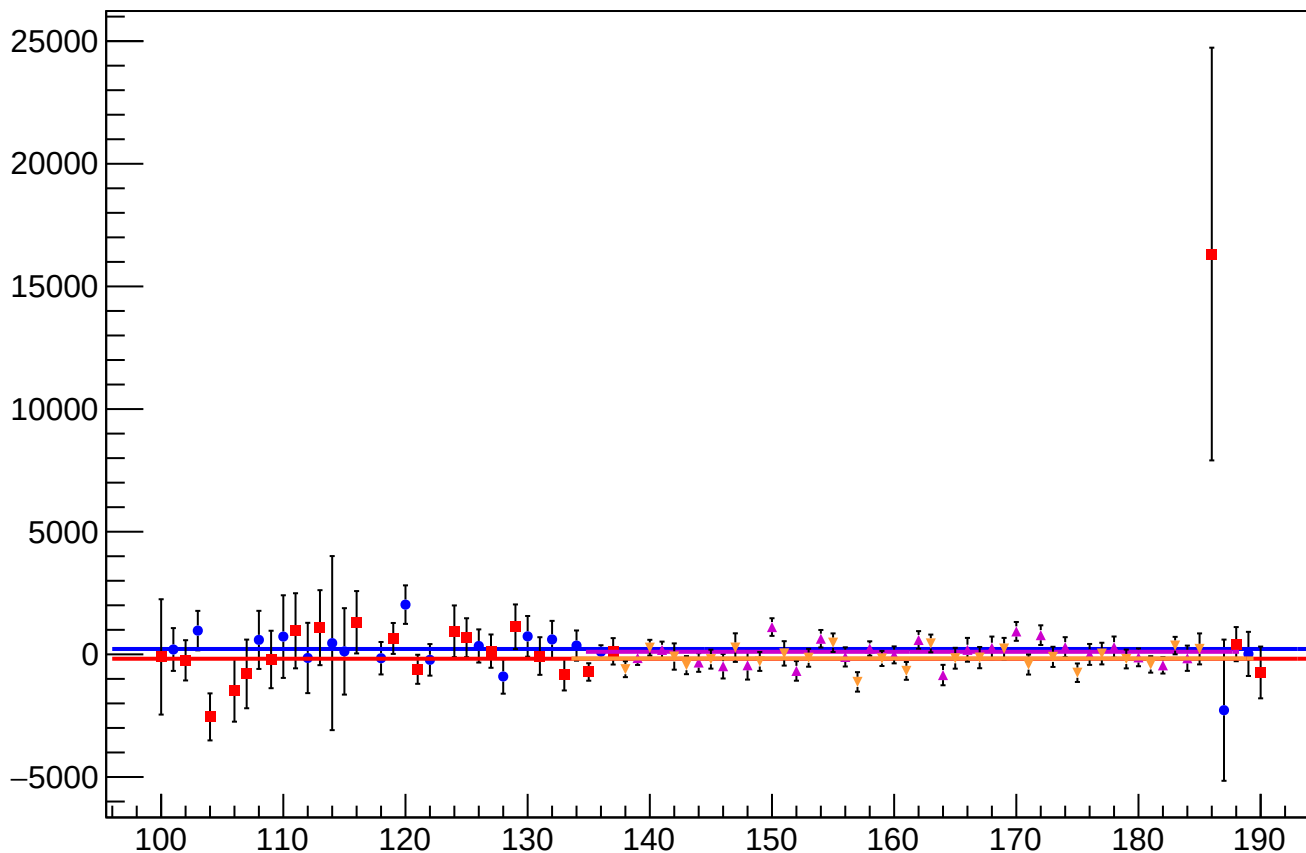
Left In: 339.430+/-0.057 χ^2/NDF : 846709.1/22

+ sign 357.936+/-0.050 χ^2/NDF : 3621416.8/42

All: 359.905+/-0.036 χ^2/NDF : 8542774.4/87

- sign 361.958+/-0.051 χ^2/NDF : 4918223.3/44

asym_sam1_mean vs Slug



Right In: 219.505 ± 165.063 χ^2/NDF : 11.5/17

Left Out: -167.380 ± 78.179 χ^2/NDF : 25.6/24

Right Out: -178.667 ± 167.285 χ^2/NDF : 25.3/21

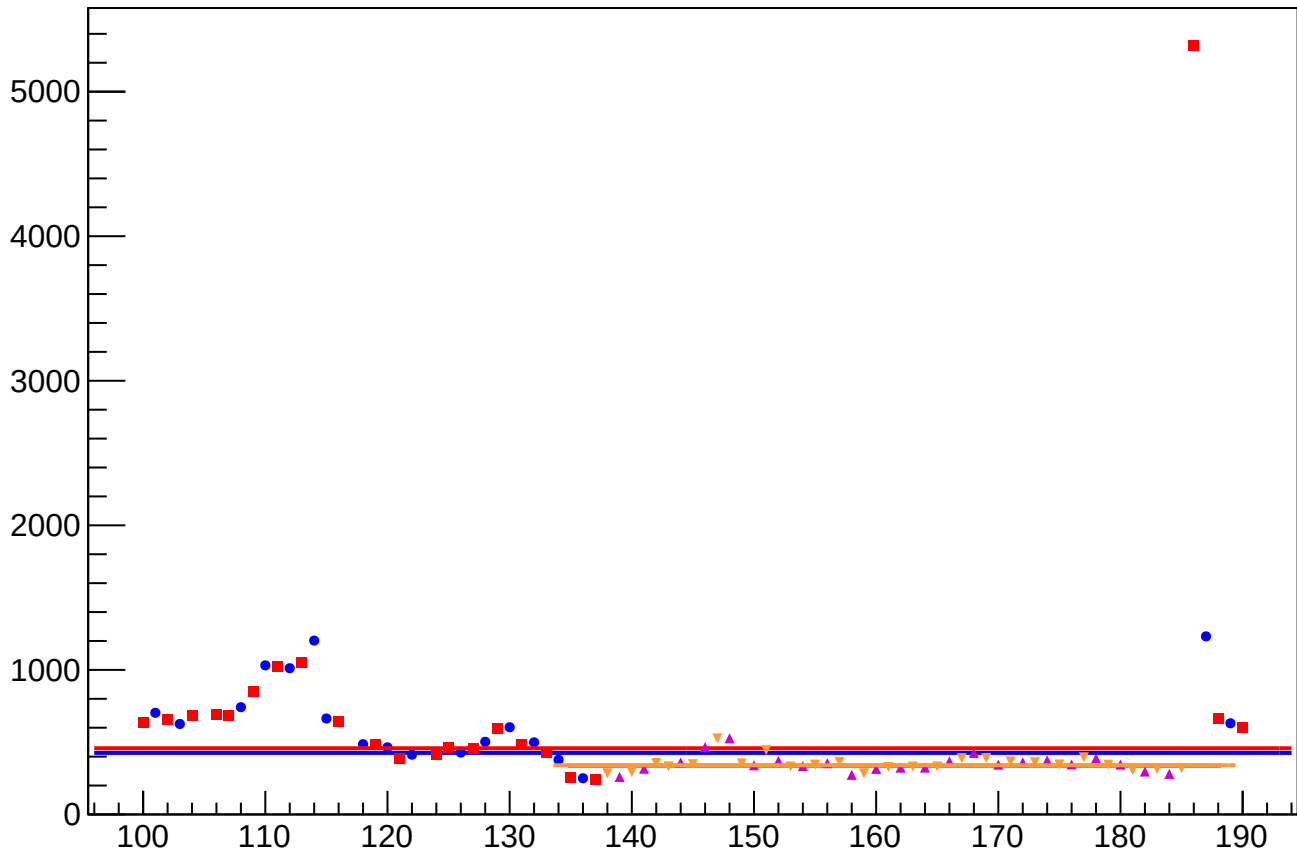
Left In: 104.016 ± 79.995 χ^2/NDF : 37.5/22

+ sign -96.493 ± 70.655 χ^2/NDF : 41.6/42

All: -24.111 ± 50.487 χ^2/NDF : 108.8/87

- sign 51.404 ± 72.168 χ^2/NDF : 65.1/44

asym_sam1_rms vs Slug



Right In: 425.751 $\pm$ 0.117 χ^2 /NDF: 2491436.4/17

Left Out: 340.391 $\pm$ 0.055 χ^2 /NDF:604155.3/24

Right Out: 457.988 $\pm$ 0.118 χ^2 /NDF: 3143916.8/21

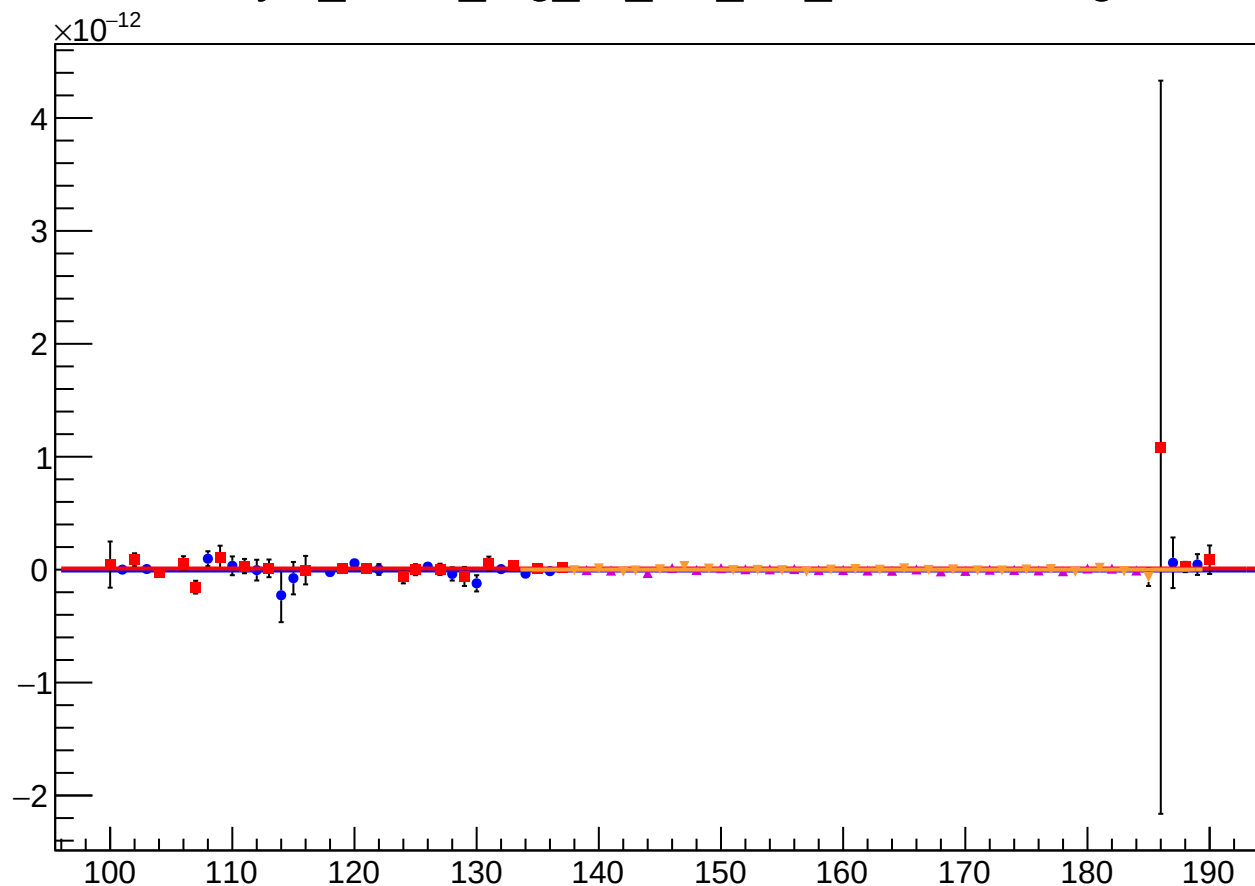
Left In: 337.759 $\pm$ 0.057 χ^2 /NDF:820674.4/22

+ sign 356.031 $\pm$ 0.050 χ^2 /NDF: 3532444.9/42

All: 358.040 $\pm$ 0.036 χ^2 /NDF: 8341160.8/87

- sign 360.135 $\pm$ 0.051 χ^2 /NDF: 4805413.3/44

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 15.2/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 16.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.9/21

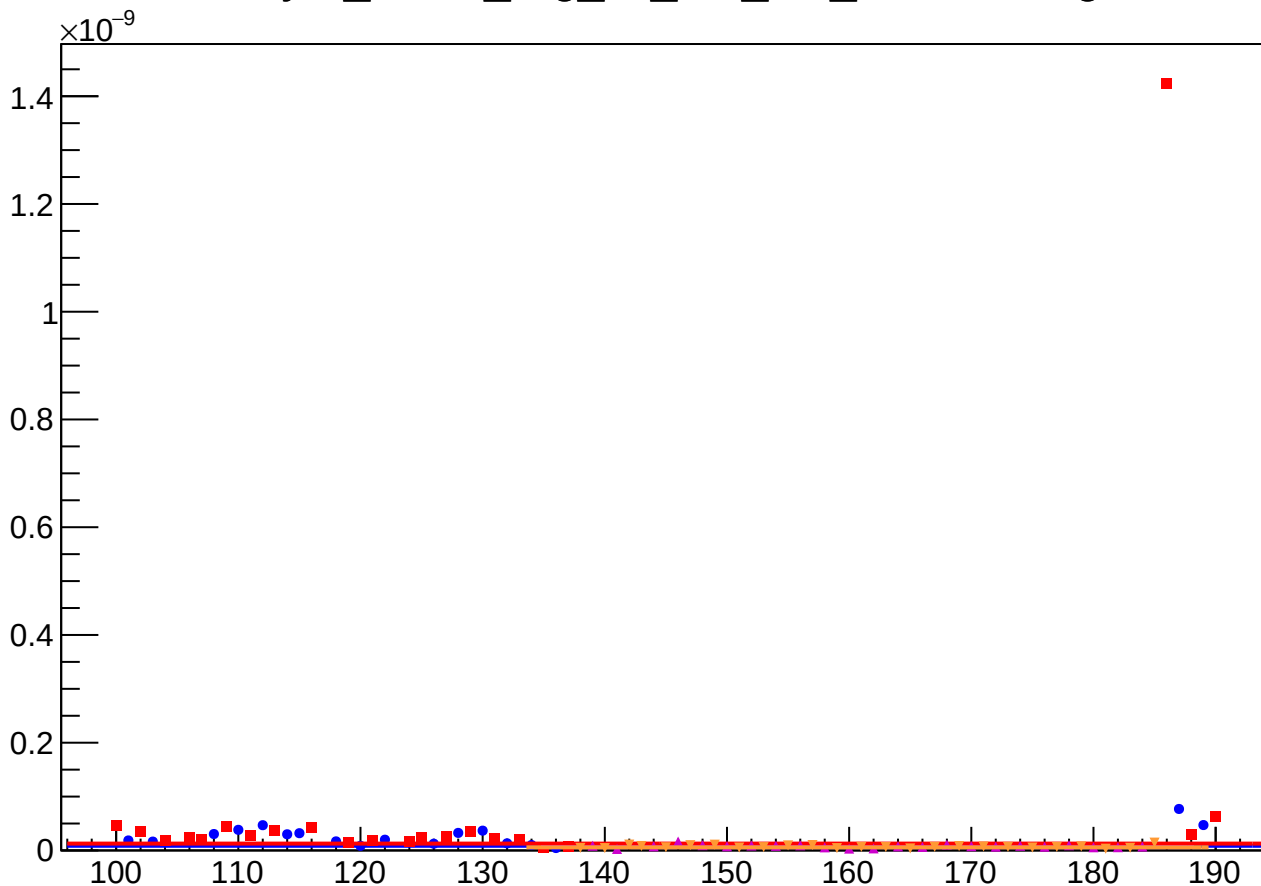
Left In: -0.000 ± 0.000 χ^2/NDF : 11.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 33.1/42

All: -0.000 ± 0.000 χ^2/NDF : 65.2/87

- sign -0.000 ± 0.000 χ^2/NDF : 31.5/44

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3293489.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1155947.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3735034.3/21

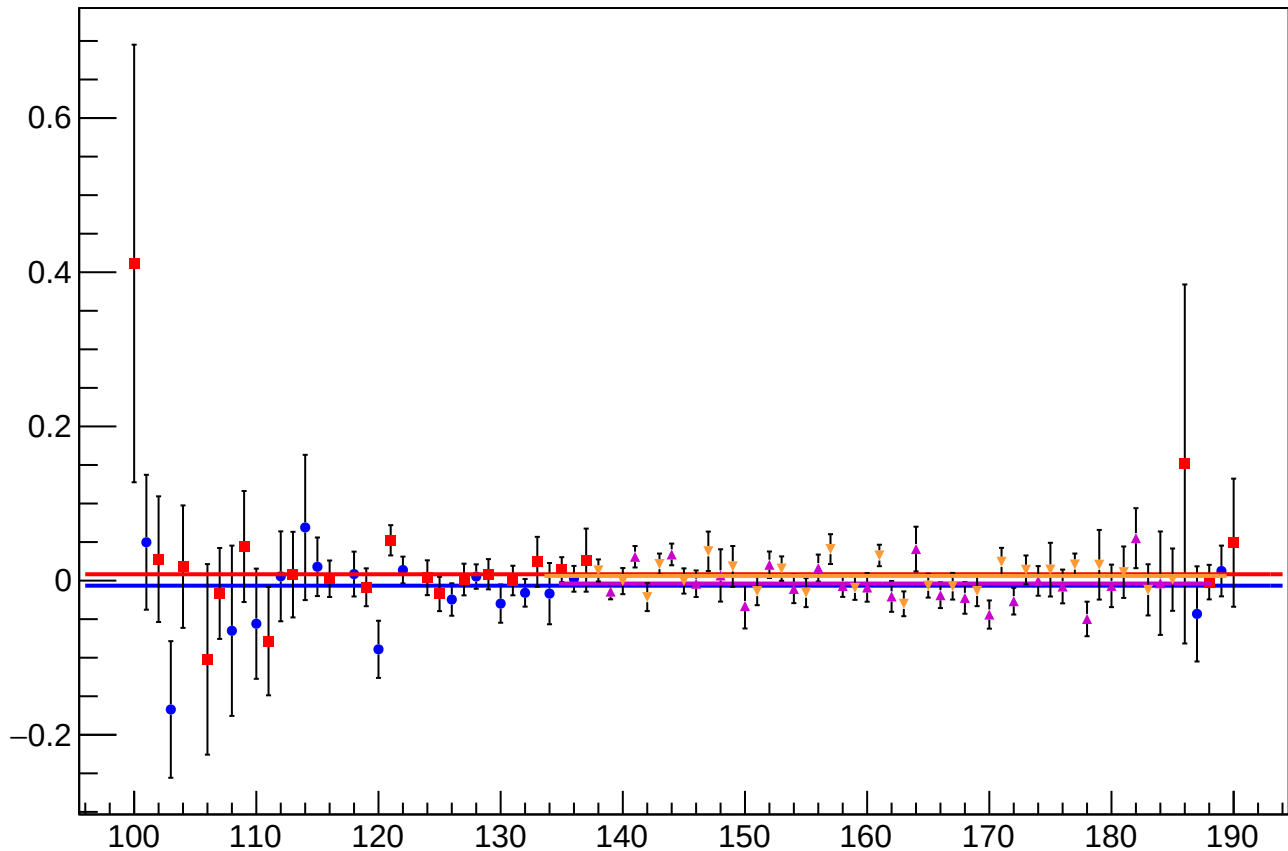
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1970663.5/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4829258.5/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 11804229.3/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 6888141.2/44

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 15.6/17

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.008 ± 0.006 χ^2/NDF : 13.5/21

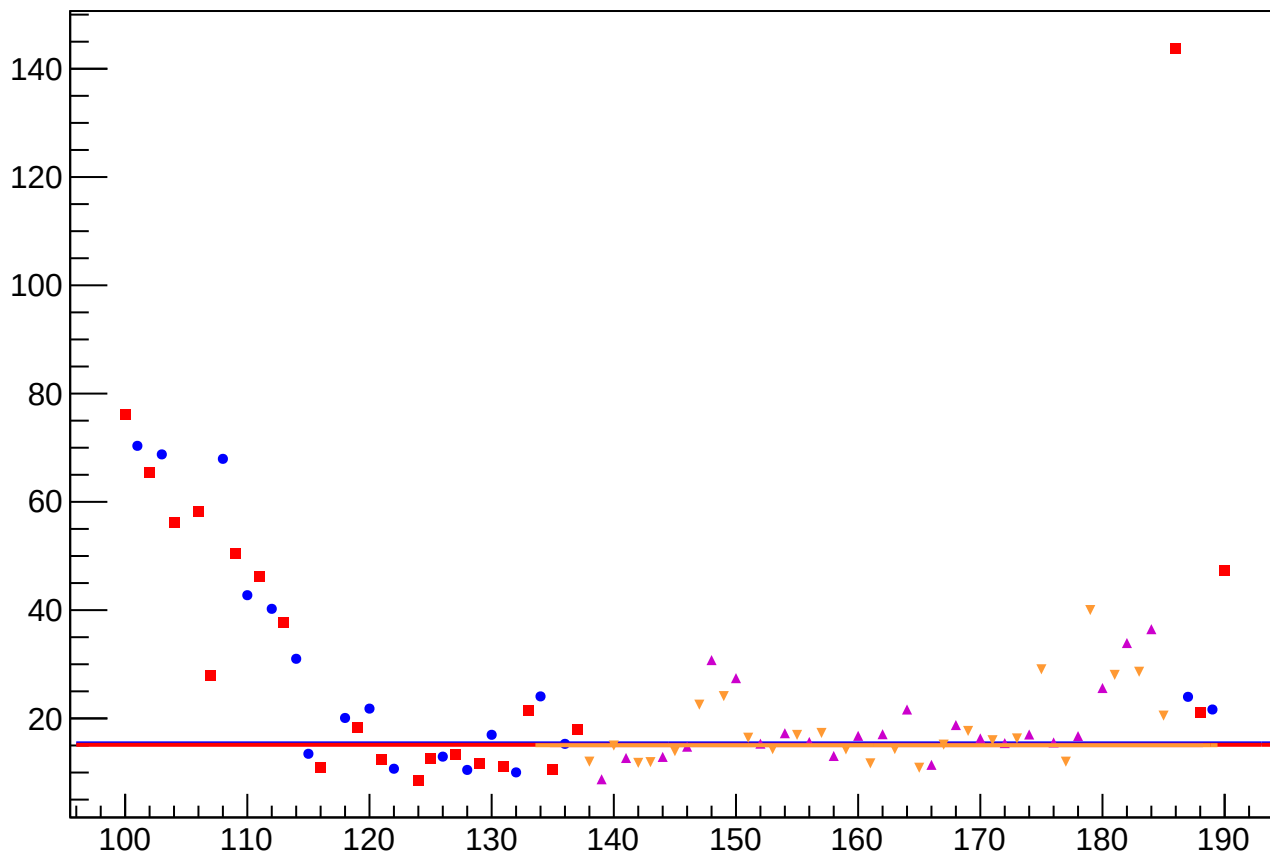
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 45.1/42

All: 0.001 ± 0.002 χ^2/NDF : 99.1/87

- sign -0.000 ± 0.003 χ^2/NDF : 53.4/44

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.390 $\pm$ 0.005 χ^2 /NDF: 3555127.4/17

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758075.6/24

Right Out: 15.127 $\pm$ 0.004 χ^2 /NDF: 4715796.5/21

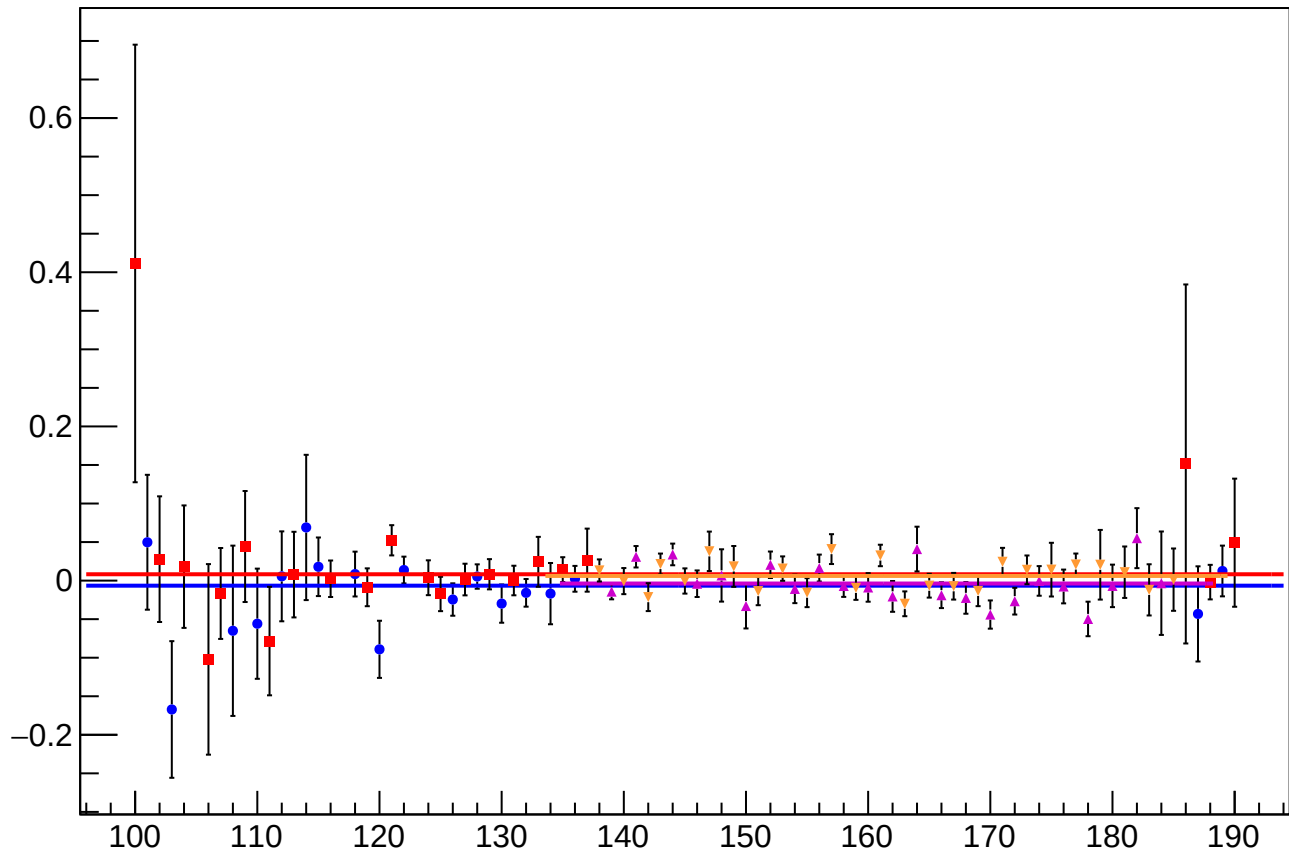
Left In: 15.068 $\pm$ 0.003 χ^2 /NDF: 3066591.4/22

+ sign 15.129 $\pm$ 0.002 χ^2 /NDF: 6317368.2/42

All: 15.107 $\pm$ 0.002 χ^2 /NDF: 14100078.2/87

- sign 15.084 $\pm$ 0.002 χ^2 /NDF: 7782521.8/44

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 15.6/17

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.008 ± 0.006 χ^2/NDF : 13.5/21

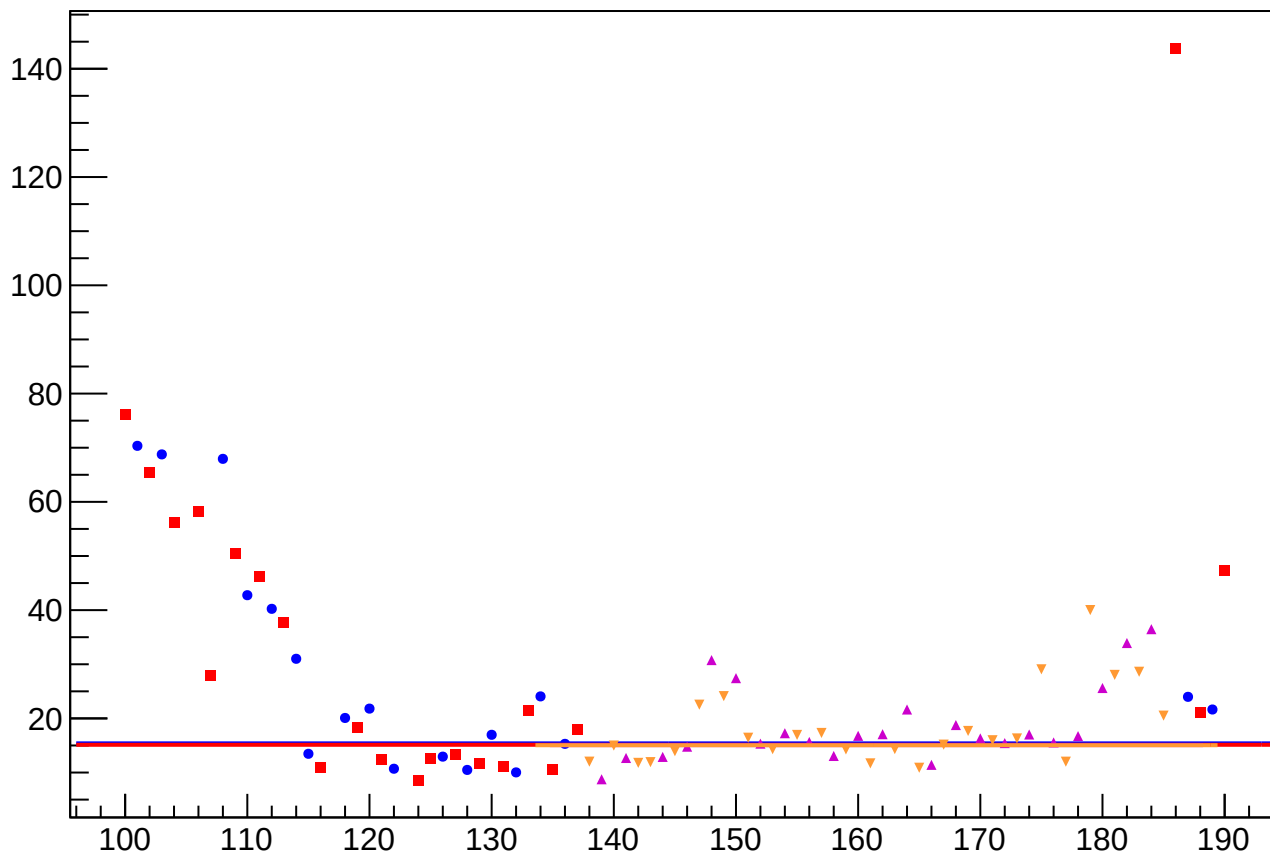
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 45.1/42

All: 0.001 ± 0.002 χ^2/NDF : 99.1/87

- sign -0.000 ± 0.003 χ^2/NDF : 53.4/44

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.390 $\pm$ 0.005 χ^2 /NDF: 3555127.4/17

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758075.6/24

Right Out: 15.127 $\pm$ 0.004 χ^2 /NDF: 4715796.5/21

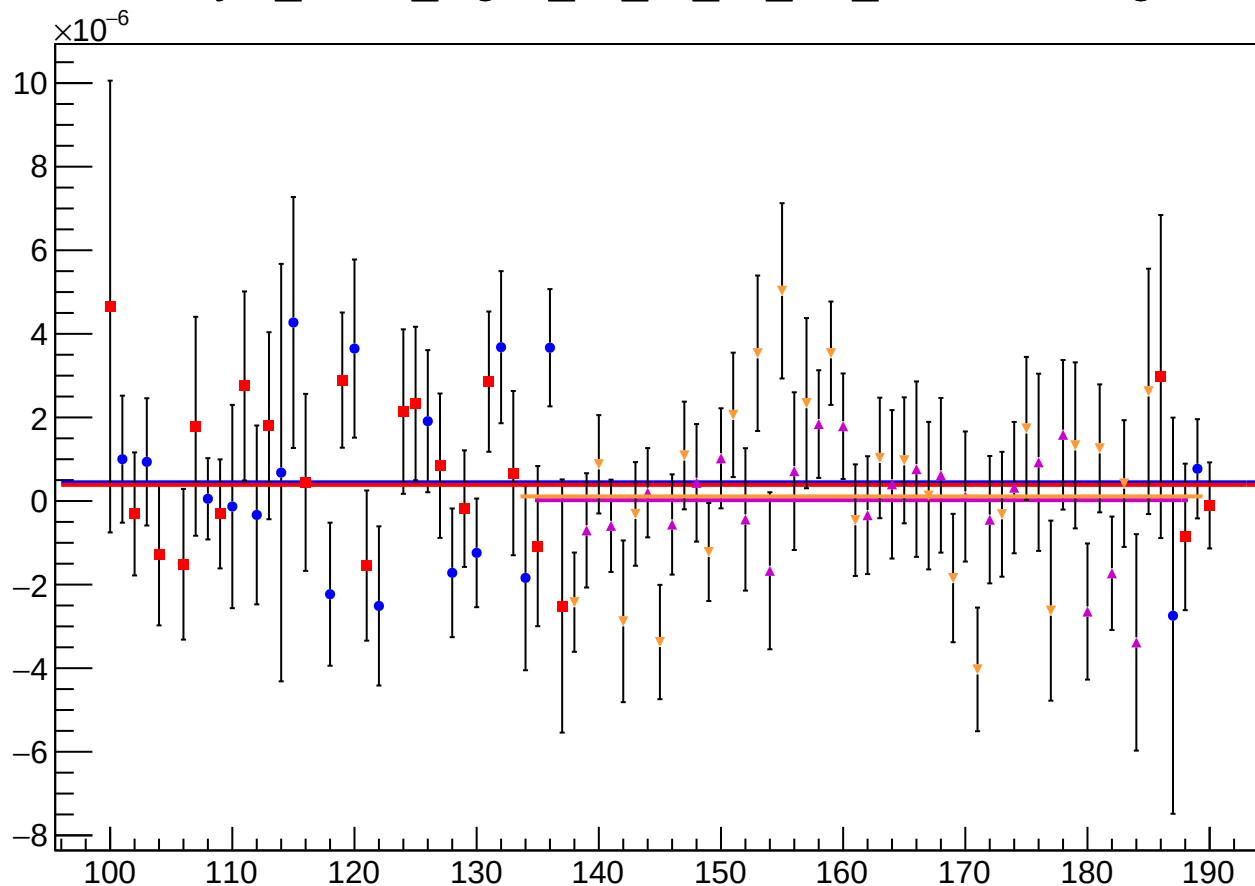
Left In: 15.068 $\pm$ 0.003 χ^2 /NDF: 3066591.4/22

+ sign 15.129 $\pm$ 0.002 χ^2 /NDF: 6317368.2/42

All: 15.107 $\pm$ 0.002 χ^2 /NDF: 14100078.2/87

- sign 15.084 $\pm$ 0.002 χ^2 /NDF: 7782521.8/44

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 23.8/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 50.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 15.6/21

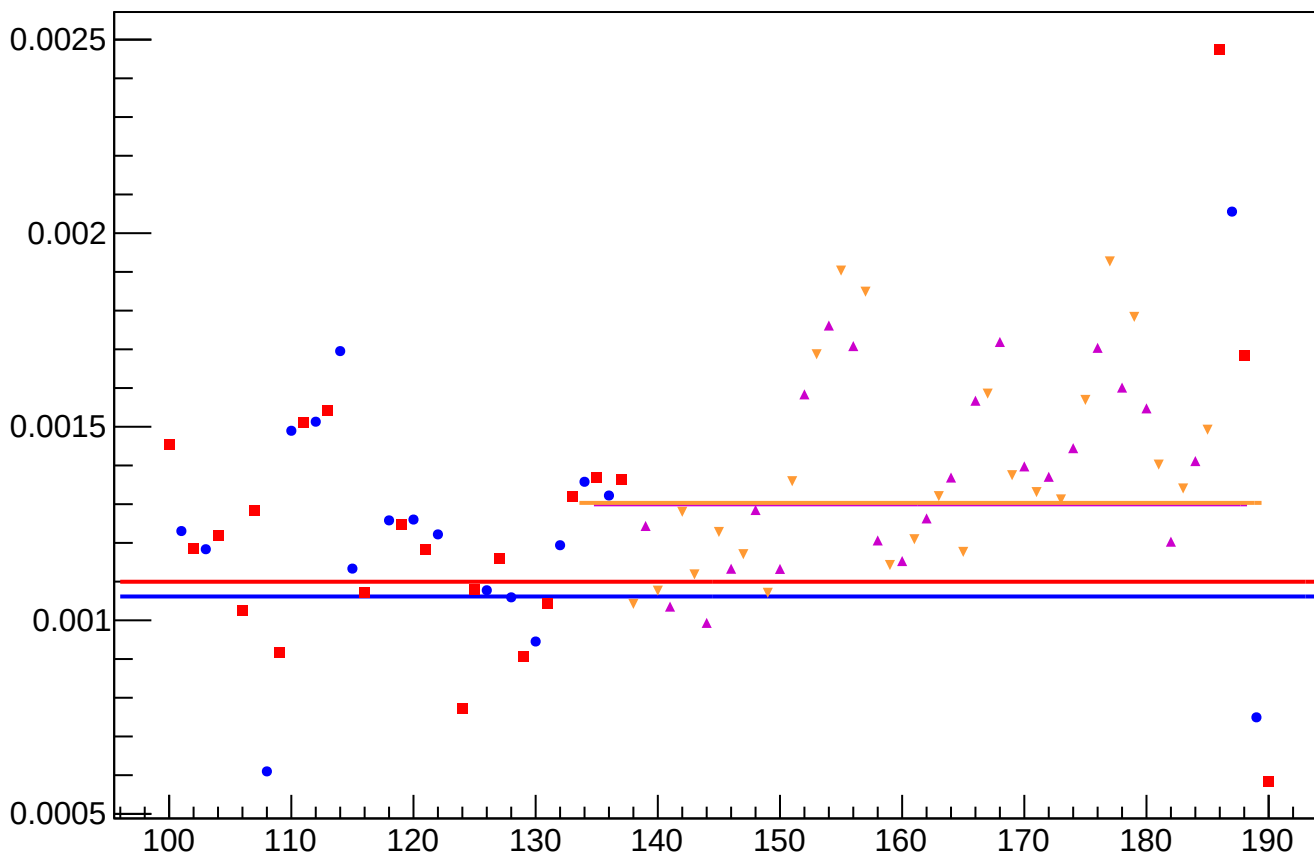
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 14.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 74.2/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 104.5/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 30.2/44

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2/NDF : 1069120.7/17

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF :1181536.6/24

Right Out: 0.001 $\pm$ 0.000 χ^2/NDF : 1399895.0/21

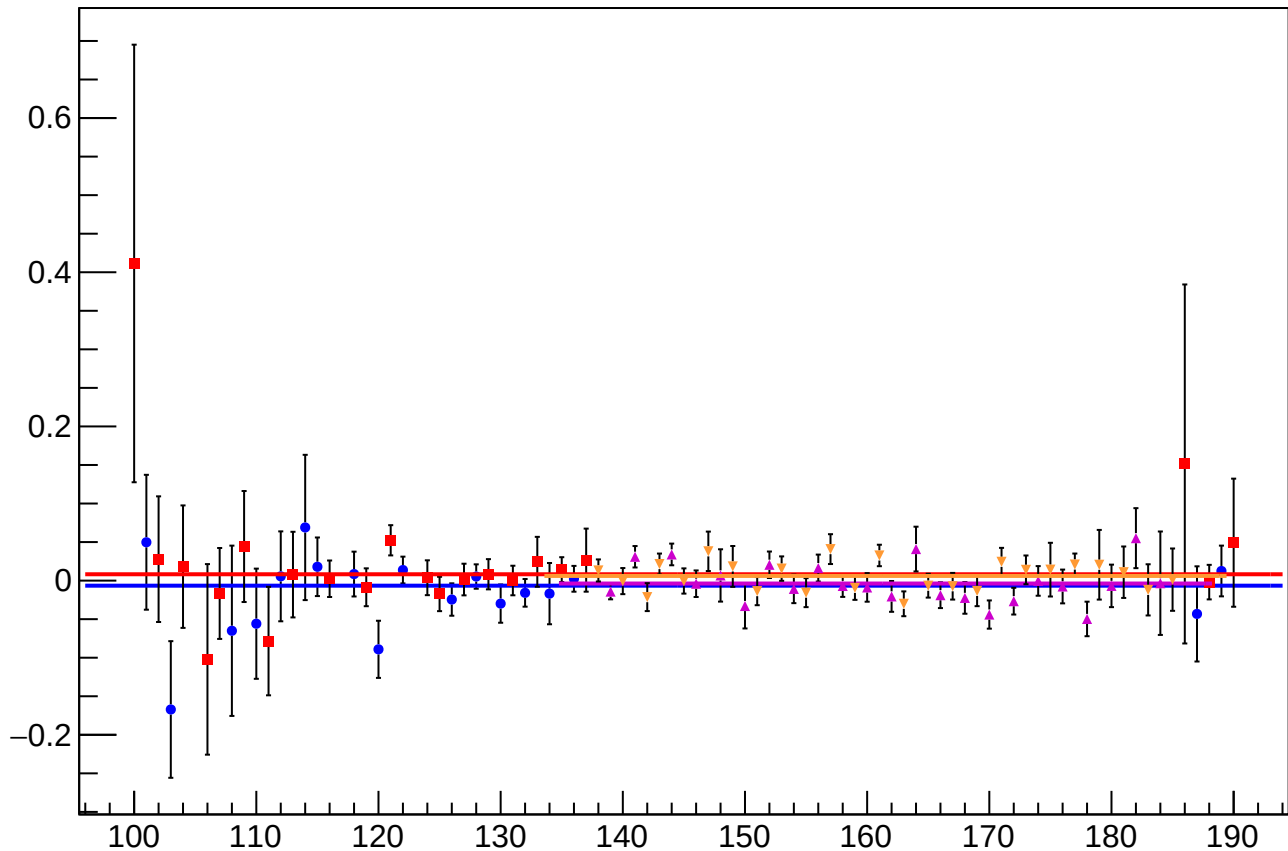
Left In: 0.001 $\pm$ 0.000 χ^2/NDF :1026052.2/22

+ sign 0.001 $\pm$ 0.000 χ^2/NDF : 2724859.4/42

All: 0.001 $\pm$ 0.000 χ^2/NDF : 5484629.2/87

- sign 0.001 $\pm$ 0.000 χ^2/NDF : 2759194.8/44

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 $\chi^2/\text{NDF}: 15.6/17$

Left Out: 0.006 ± 0.004 $\chi^2/\text{NDF}: 26.7/24$

Right Out: 0.008 ± 0.006 $\chi^2/\text{NDF}: 13.5/21$

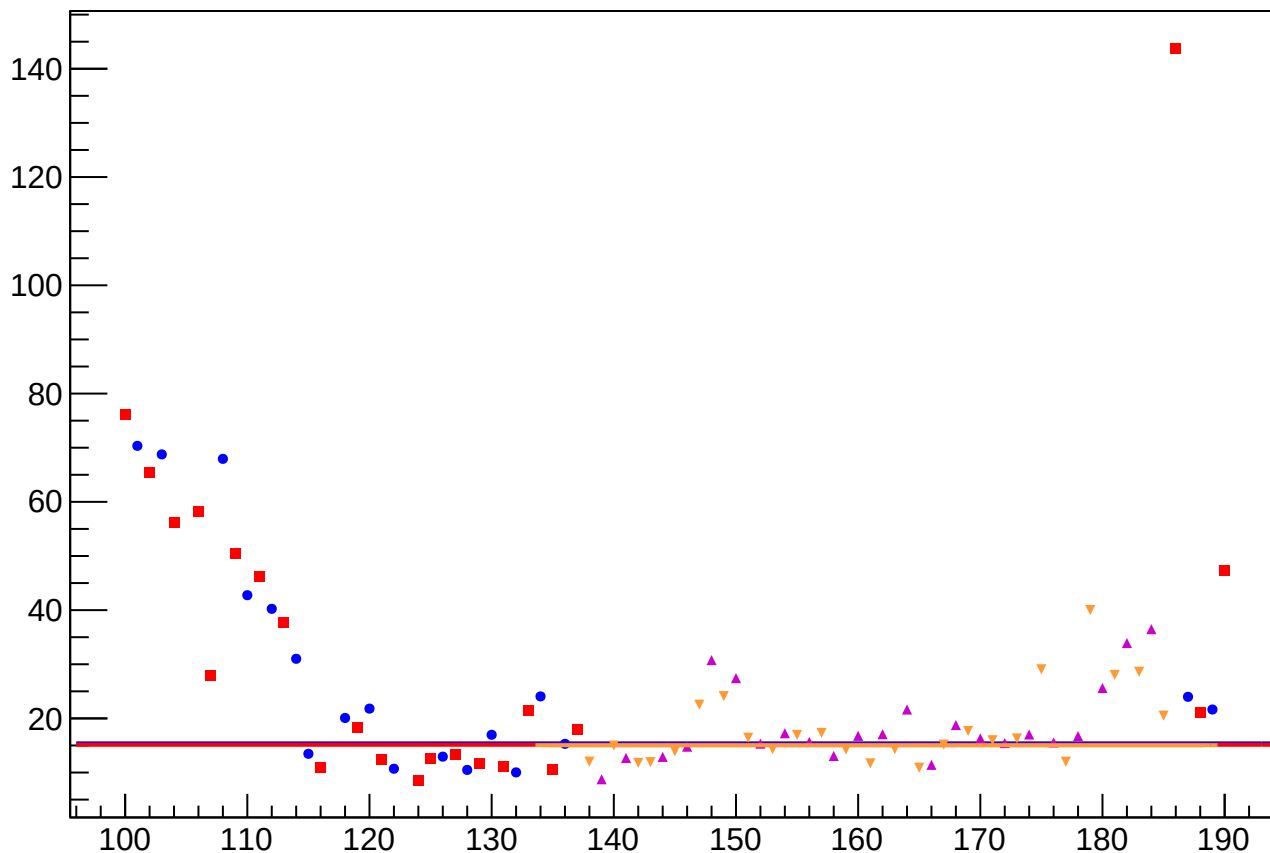
Left In: -0.004 ± 0.004 $\chi^2/\text{NDF}: 37.1/22$

+ sign 0.003 ± 0.003 $\chi^2/\text{NDF}: 45.1/42$

All: 0.001 ± 0.002 $\chi^2/\text{NDF}: 99.1/87$

- sign -0.000 ± 0.003 $\chi^2/\text{NDF}: 53.4/44$

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.389+/-0.005 χ^2/NDF : 3555154.8/17

Left Out: 15.046+/-0.003 χ^2/NDF : 2758285.3/24

Right Out: 15.126+/-0.004 χ^2/NDF : 4715788.8/21

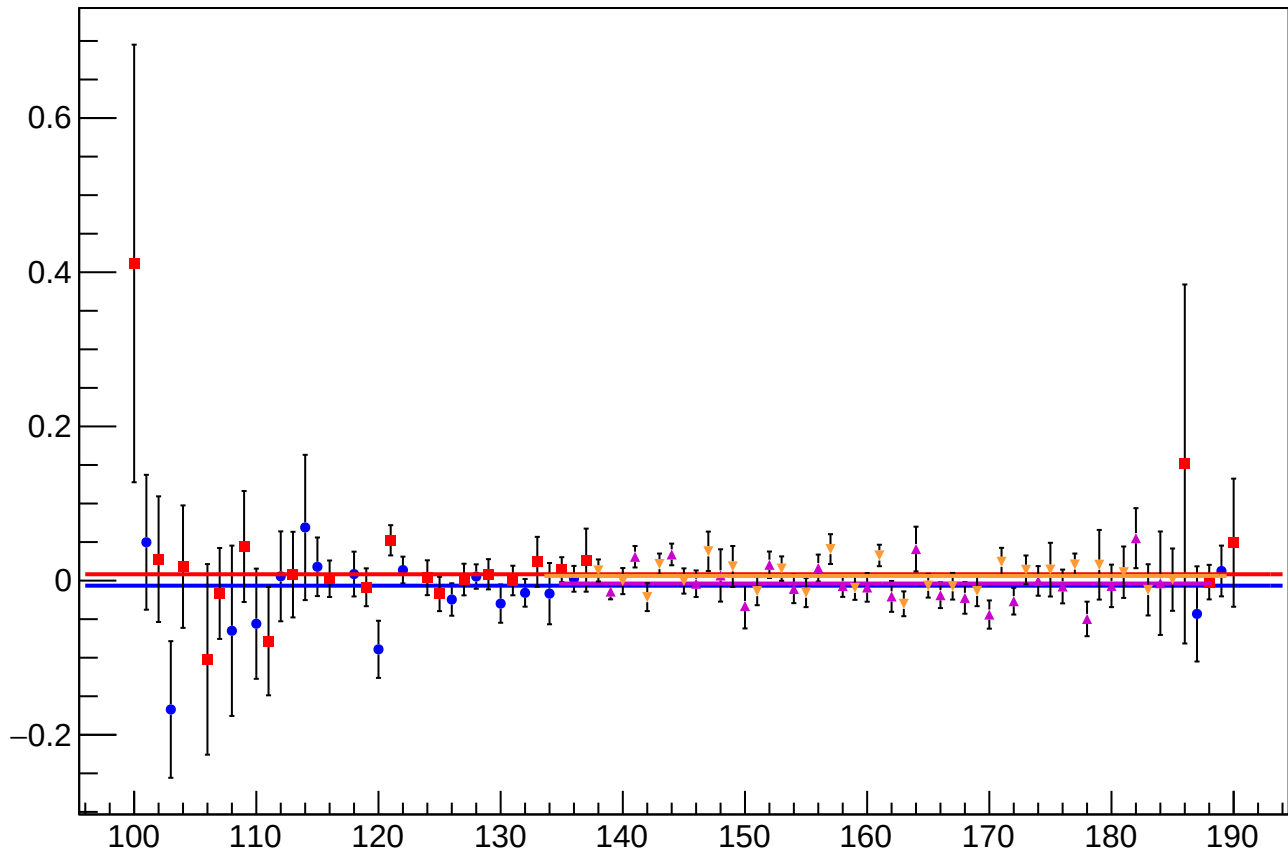
Left In: 15.067+/-0.003 χ^2/NDF : 3066635.3/22

+ sign 15.128+/-0.002 χ^2/NDF : 6317606.7/42

All: 15.106+/-0.002 χ^2/NDF : 14100352.5/87

- sign 15.084+/-0.002 χ^2/NDF : 7782558.3/44

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007 ± 0.007 χ^2/NDF : 15.6/17

Left Out: 0.006 ± 0.004 χ^2/NDF : 26.7/24

Right Out: 0.008 ± 0.006 χ^2/NDF : 13.5/21

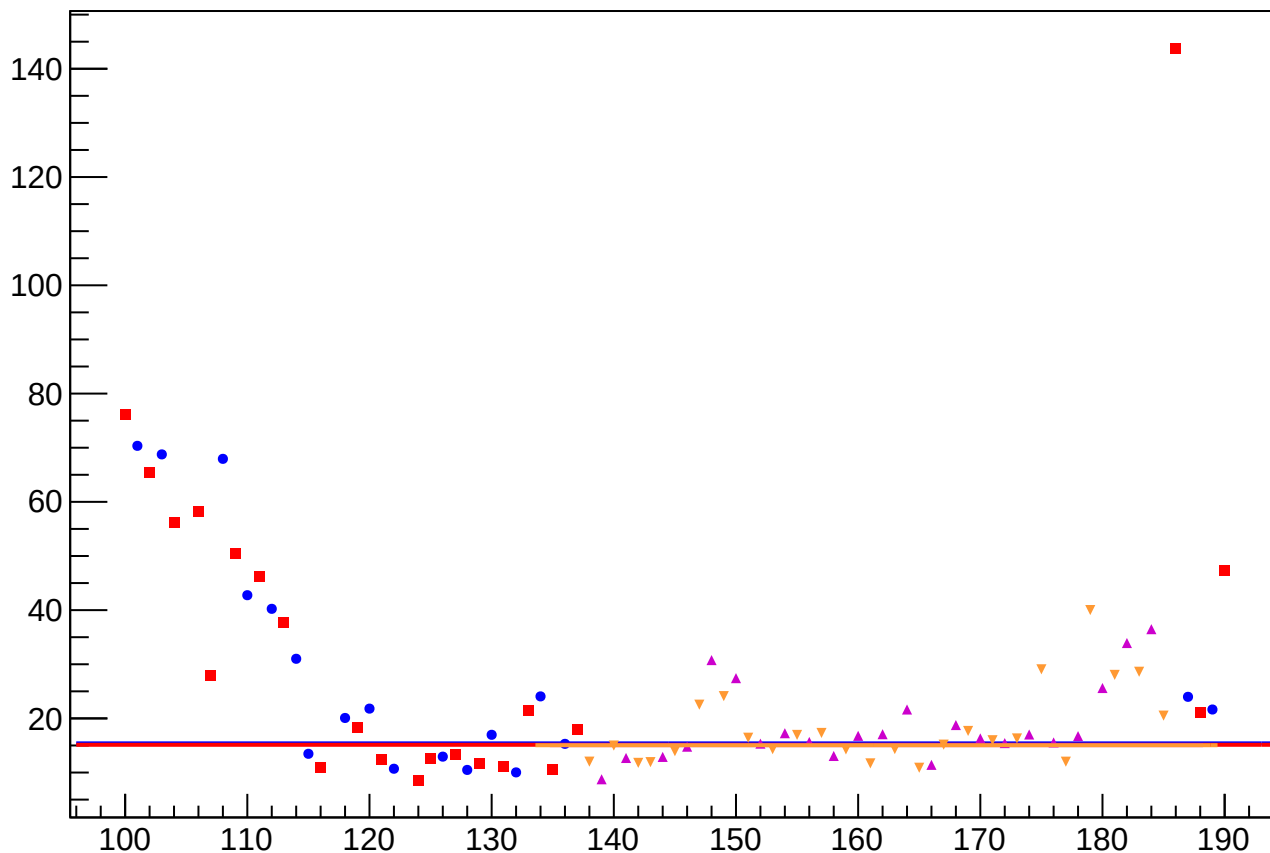
Left In: -0.004 ± 0.004 χ^2/NDF : 37.1/22

+ sign 0.003 ± 0.003 χ^2/NDF : 45.1/42

All: 0.001 ± 0.002 χ^2/NDF : 99.1/87

- sign -0.000 ± 0.003 χ^2/NDF : 53.4/44

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.389 $\pm$ 0.005 χ^2 /NDF: 3555154.8/17

Left Out: 15.046 $\pm$ 0.003 χ^2 /NDF: 2758285.3/24

Right Out: 15.126 $\pm$ 0.004 χ^2 /NDF: 4715788.8/21

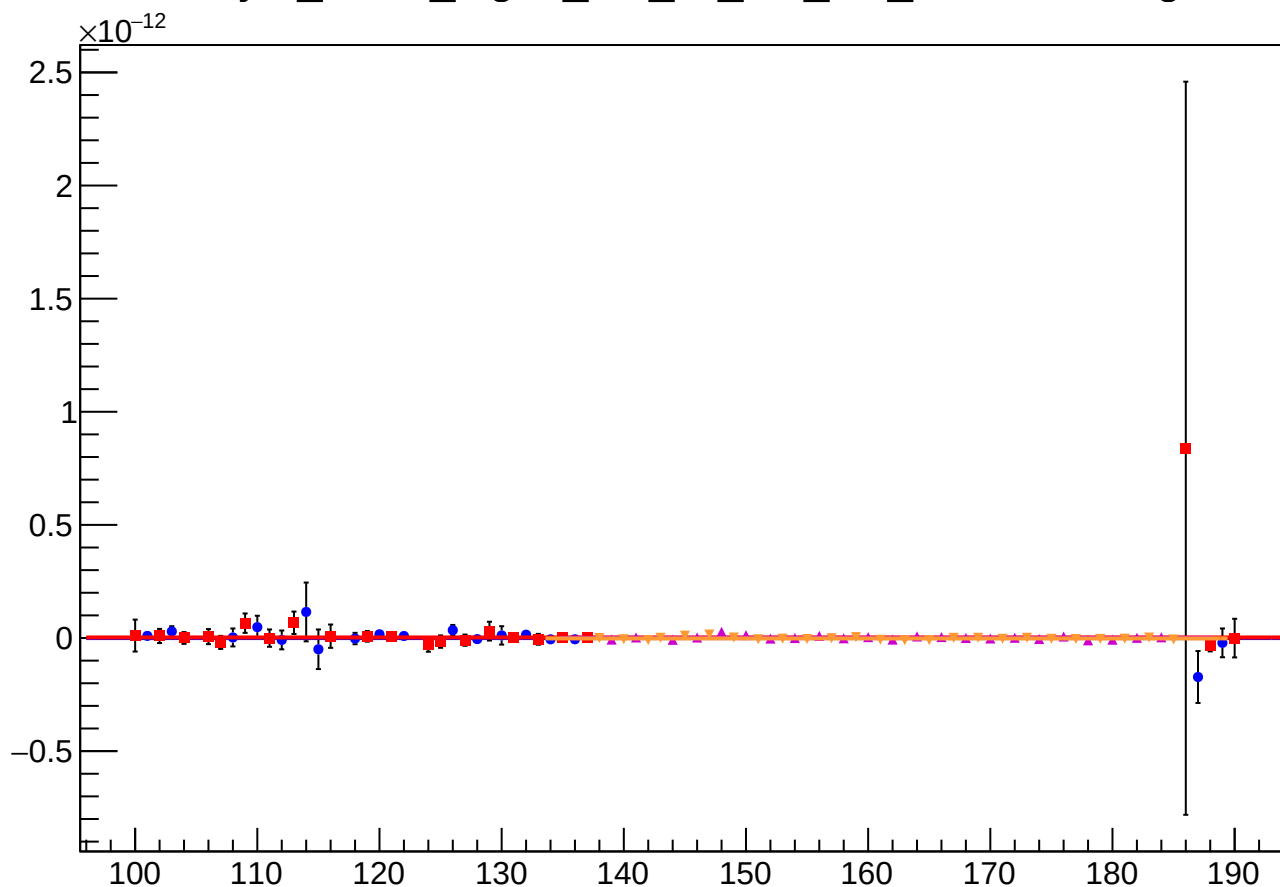
Left In: 15.067 $\pm$ 0.003 χ^2 /NDF: 3066635.3/22

+ sign 15.128 $\pm$ 0.002 χ^2 /NDF: 6317606.7/42

All: 15.106 $\pm$ 0.002 χ^2 /NDF: 14100352.5/87

- sign 15.084 $\pm$ 0.002 χ^2 /NDF: 7782558.3/44

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 +/- 0.000 χ^2/NDF : 11.7/17

Left Out: -0.000 +/- 0.000 χ^2/NDF : 15.2/24

Right Out: 0.000 +/- 0.000 χ^2/NDF : 9.2/21

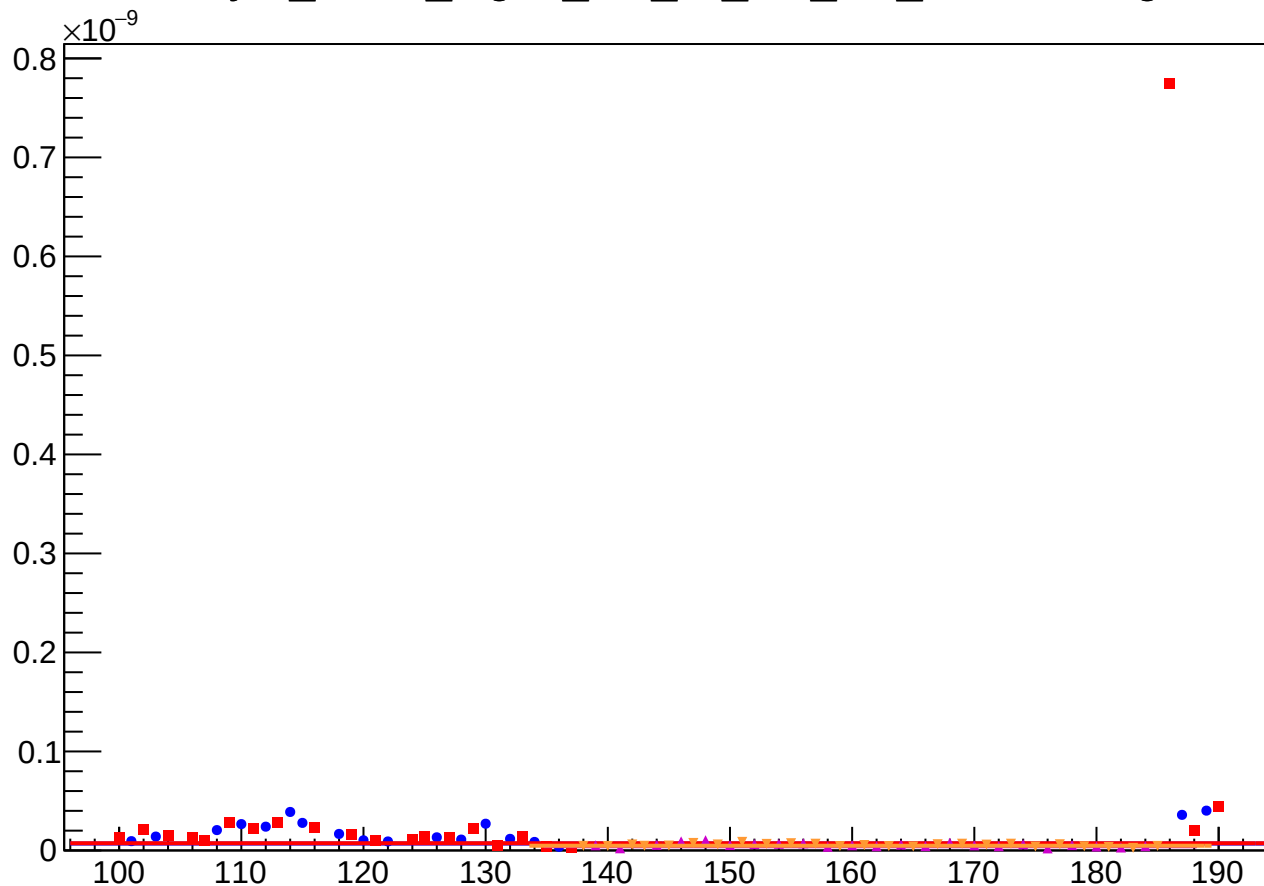
Left In: 0.000 +/- 0.000 χ^2/NDF : 21.3/22

+ sign -0.000 +/- 0.000 χ^2/NDF : 27.0/42

All: -0.000 +/- 0.000 χ^2/NDF : 59.7/87

- sign 0.000 +/- 0.000 χ^2/NDF : 30.8/44

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4188280.5/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5586840.4/21

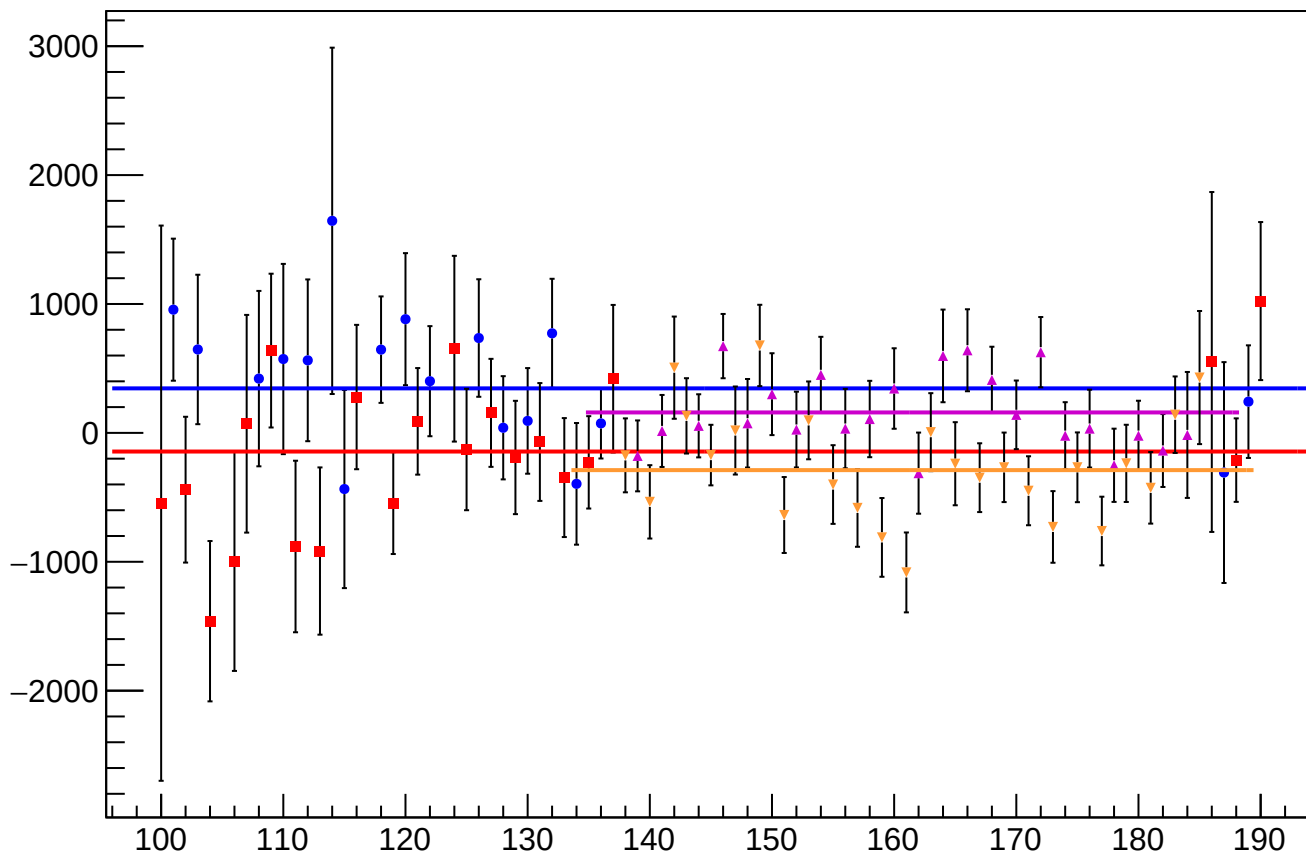
Left In: 0.000+/-0.000 χ^2/NDF : 3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 6886020.7/42

All: 0.000+/-0.000 χ^2/NDF : 17180018.2/87

- sign 0.000+/-0.000 χ^2/NDF : 10178145.2/44

reg_asym_sam2_mean vs Slug



Right In: 345.338 ± 113.688 χ^2/NDF : 12.1/17

Left Out: -288.924 ± 59.035 χ^2/NDF : 42.4/24

Right Out: -144.664 ± 110.433 χ^2/NDF : 19.1/21

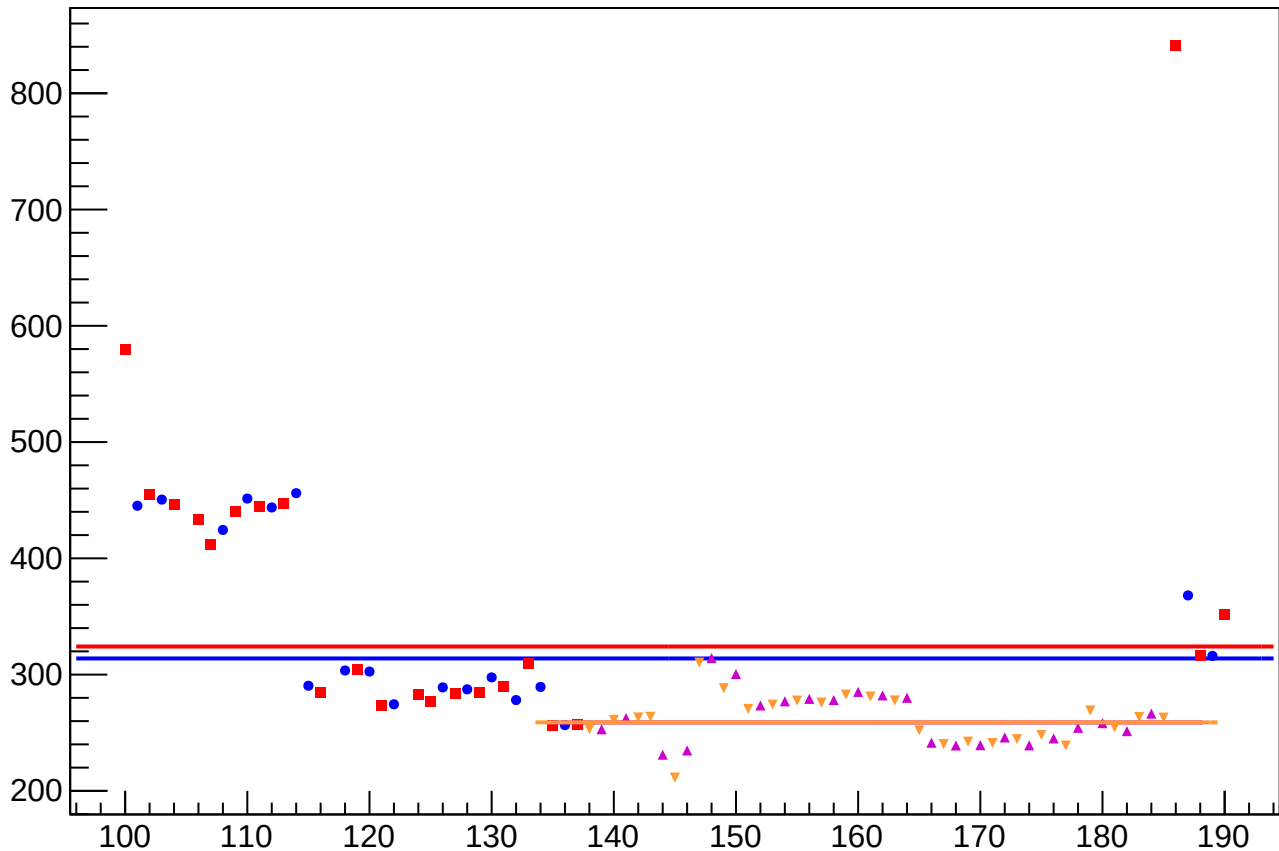
Left In: 158.601 ± 60.708 χ^2/NDF : 22.5/22

+ sign -154.220 ± 52.392 χ^2/NDF : 79.1/42

All: -34.851 ± 37.329 χ^2/NDF : 137.0/87

- sign 88.223 ± 53.199 χ^2/NDF : 47.4/44

reg_asym_sam2_rms vs Slug



Right In: 313.891 ± 0.080 χ^2/NDF : 610482.8/17

Left Out: 258.912 ± 0.042 χ^2/NDF : 248740.9/24

Right Out: 324.179 ± 0.078 χ^2/NDF : 1012800.2/21

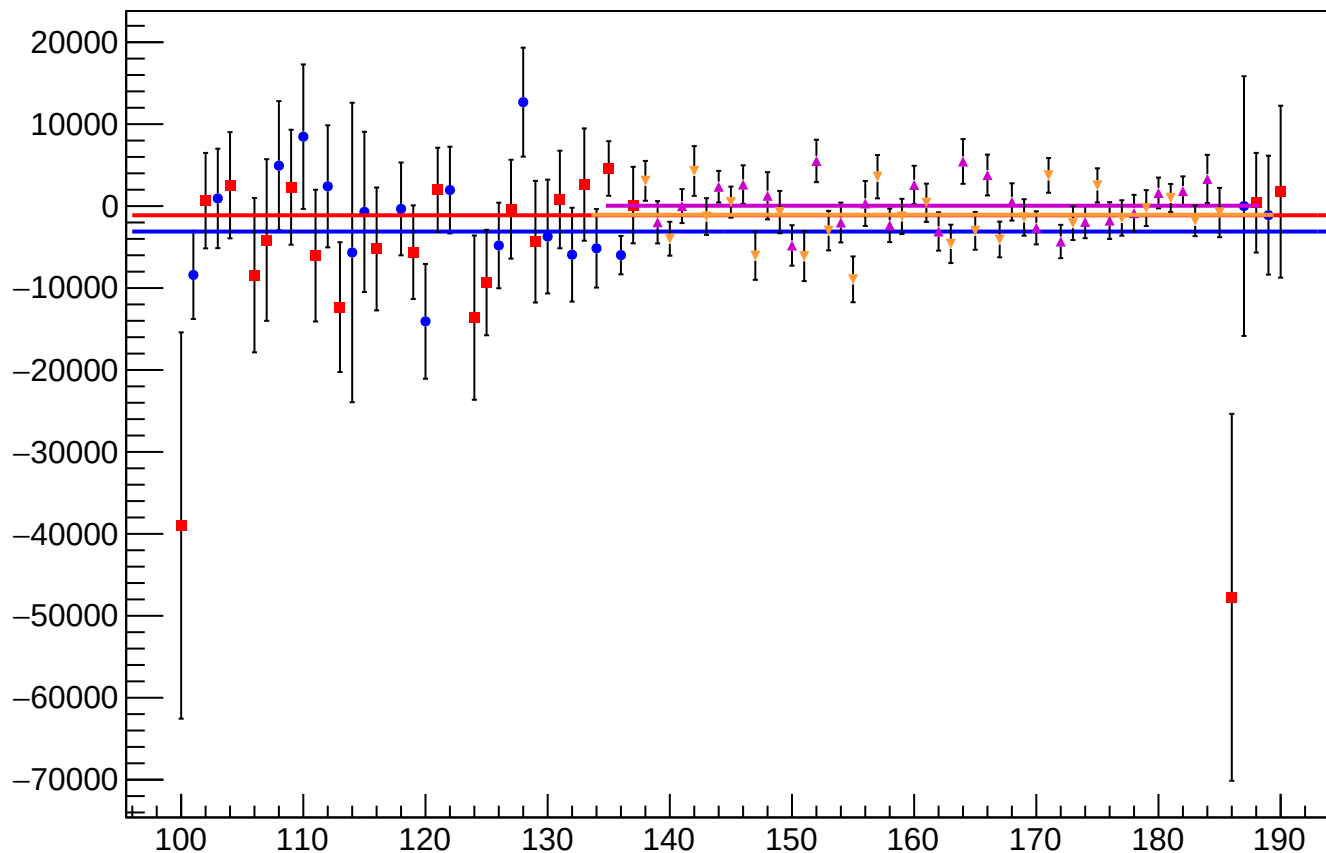
Left In: 258.843 ± 0.043 χ^2/NDF : 244953.3/22

+ sign 270.588 ± 0.037 χ^2/NDF : 1227621.6/42

All: 272.271 ± 0.026 χ^2/NDF : 3027162.9/87

- sign 274.005 ± 0.038 χ^2/NDF : 1795352.9/44

asym_sam2_reg_correction_mean vs Slug



Right In: -3106.392 ± 1326.172 χ^2/NDF : 16.2/17

Left Out: -1059.229 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -1119.073 ± 1389.224 χ^2/NDF : 18.9/21

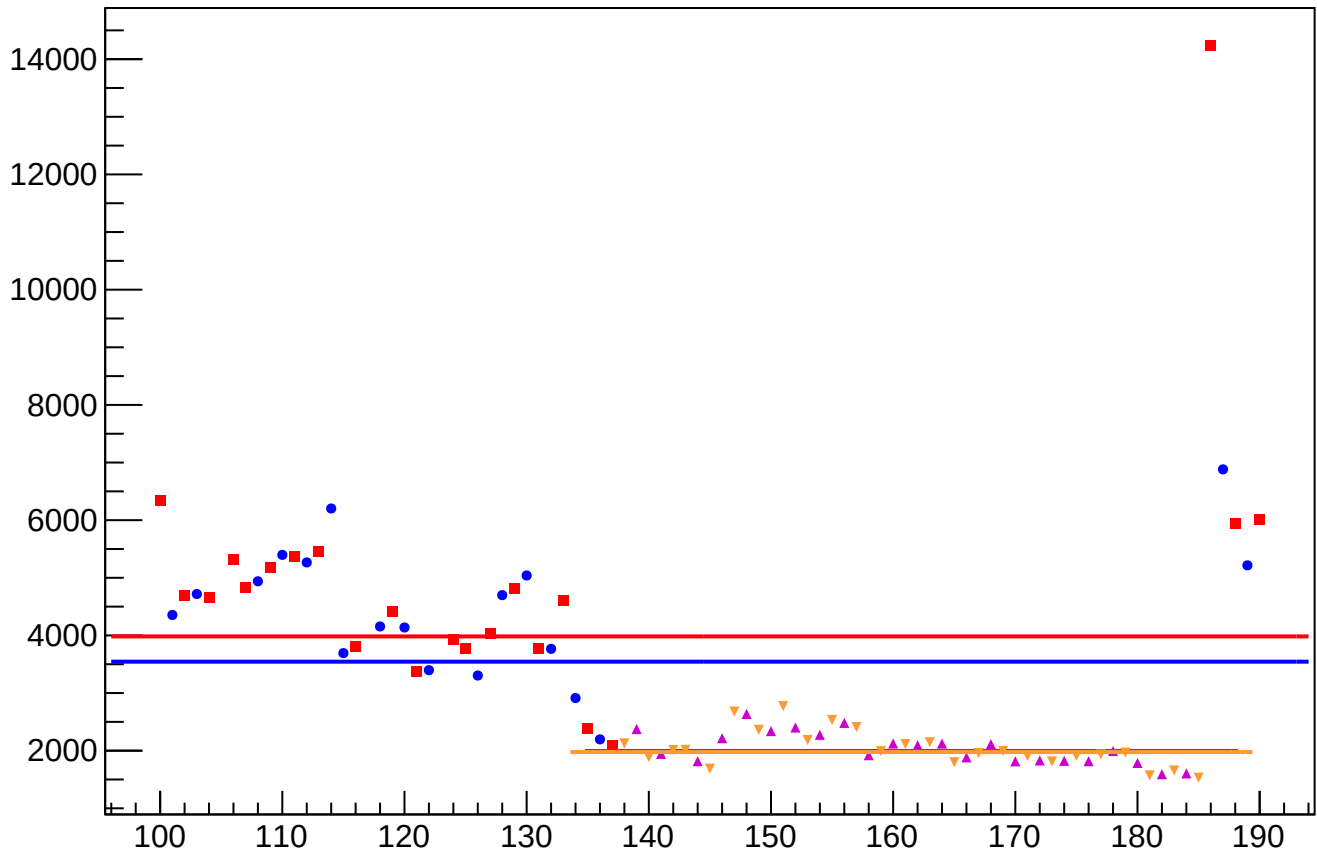
Left In: 44.352 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1274.533 ± 430.080 χ^2/NDF : 59.8/42

All: -696.516 ± 309.523 χ^2/NDF : 117.3/87

- sign -75.456 ± 445.806 χ^2/NDF : 53.7/44

asym_sam2_reg_correction_rms vs Slug



Right In: 3544.489+/-0.938 χ^2/NDF : 1511883.1/17

Left Out: 1975.967+/-0.321 χ^2/NDF : 763327.6/24

Right Out: 3982.890+/-0.982 χ^2/NDF : 1894060.7/21

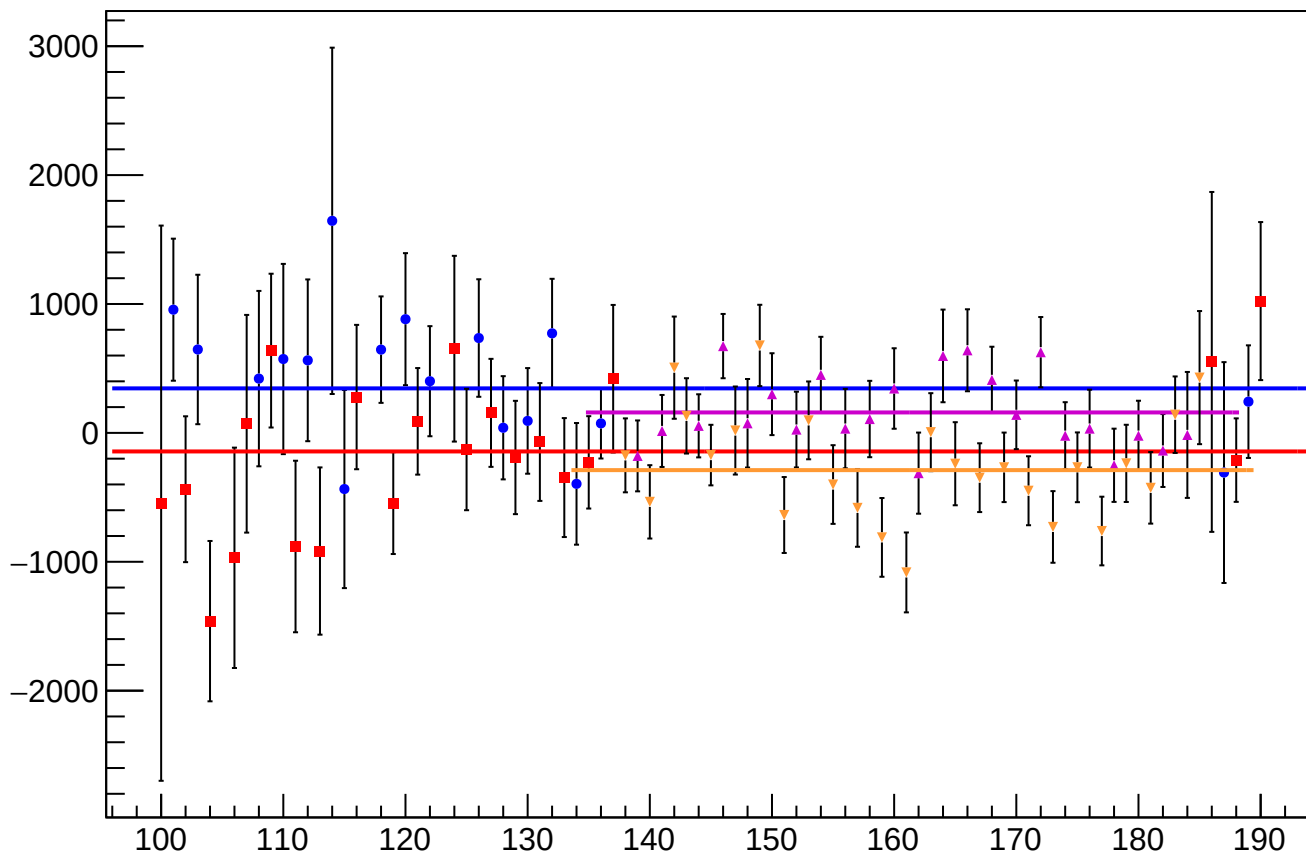
Left In: 1994.760+/-0.333 χ^2/NDF : 599994.9/22

+ sign 2140.932+/-0.304 χ^2/NDF : 4778730.9/42

All: 2169.162+/-0.219 χ^2/NDF : 10964989.3/8

- sign 2199.495+/-0.315 χ^2/NDF : 6168382.2/44

cor_asym_sam2_mean vs Slug



Right In: 345.323 ± 113.688 χ^2/NDF : 12.1/17

Left Out: -288.928 ± 59.035 χ^2/NDF : 42.4/24

Right Out: -143.970 ± 110.441 χ^2/NDF : 19.0/21

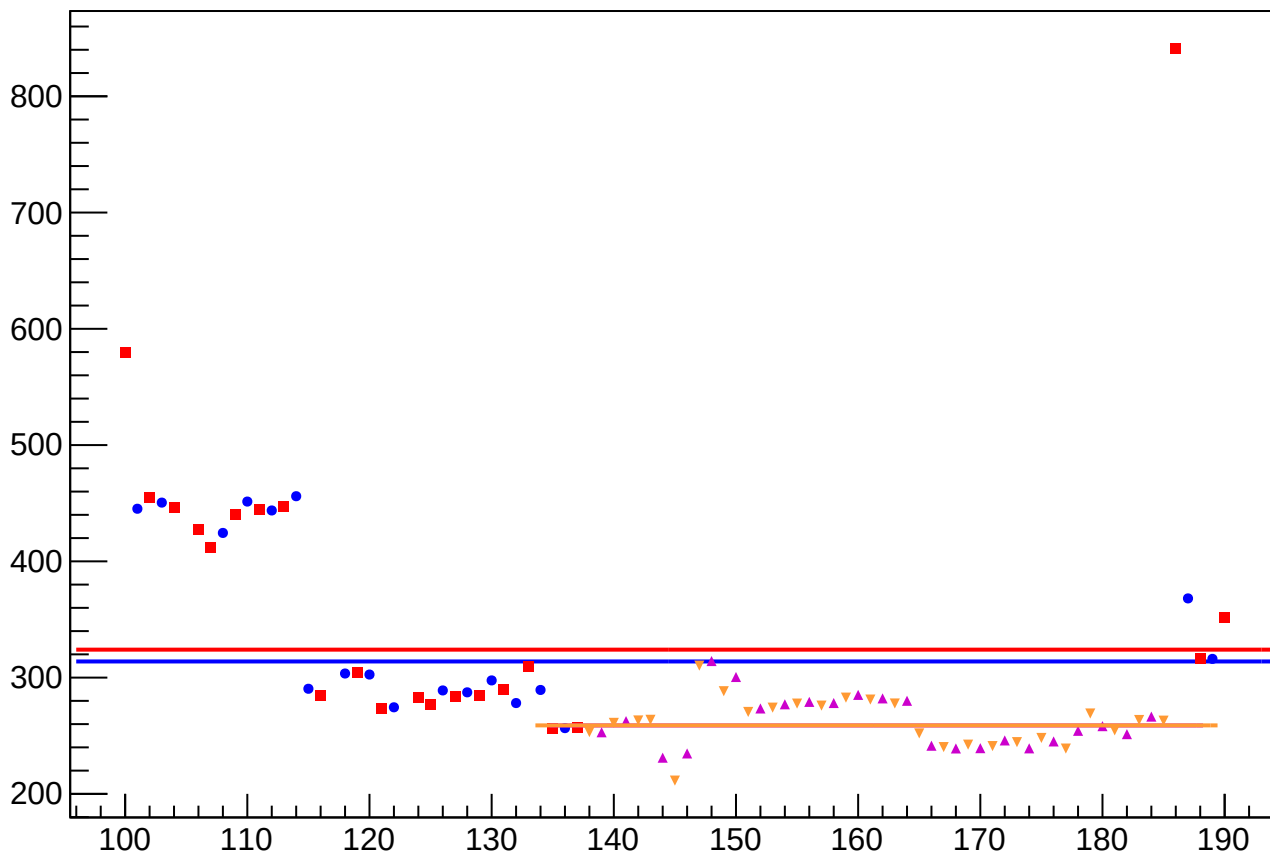
Left In: 158.612 ± 60.708 χ^2/NDF : 22.5/22

+ sign -154.227 ± 52.392 χ^2/NDF : 79.1/42

All: -34.769 ± 37.329 χ^2/NDF : 136.9/87

- sign 88.401 ± 53.200 χ^2/NDF : 47.3/44

cor_asym_sam2_rms vs Slug



Right In: 313.891 ± 0.080 χ^2/NDF : 610484.2/17

Left Out: 258.912 ± 0.042 χ^2/NDF : 248740.9/24

Right Out: 324.054 ± 0.078 χ^2/NDF : 1008814.1/21

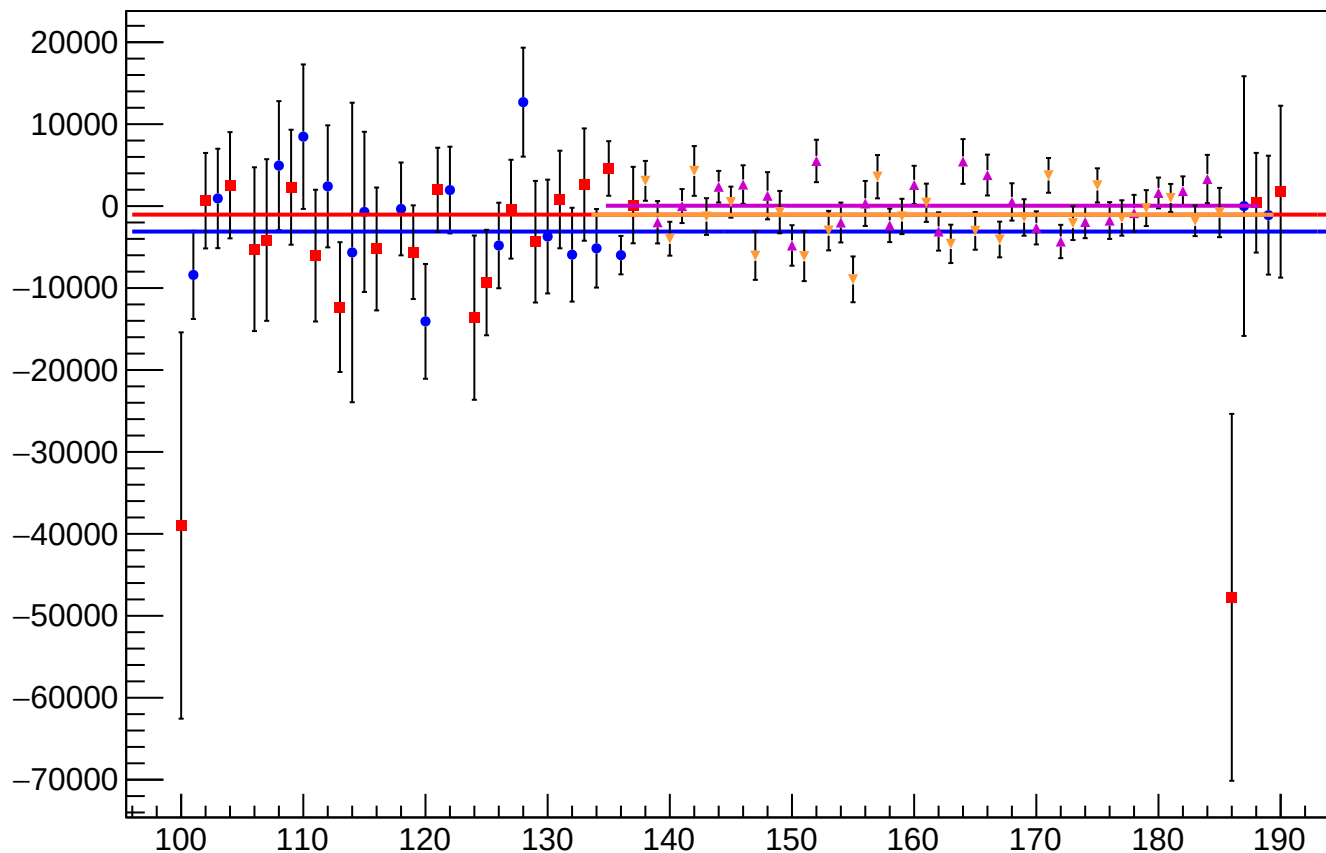
Left In: 258.843 ± 0.043 χ^2/NDF : 244953.3/22

+ sign 270.588 ± 0.037 χ^2/NDF : 1227623.2/42

All: 272.256 ± 0.026 χ^2/NDF : 3020994.0/87

- sign 273.975 ± 0.038 χ^2/NDF : 1789257.4/44

asym_sam2_cor_correction_mean vs Slug



Right In: -3106.325 ± 1326.174 χ^2/NDF : 16.2/17

Left Out: -1059.232 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -1040.472 ± 1390.953 χ^2/NDF : 18.4/21

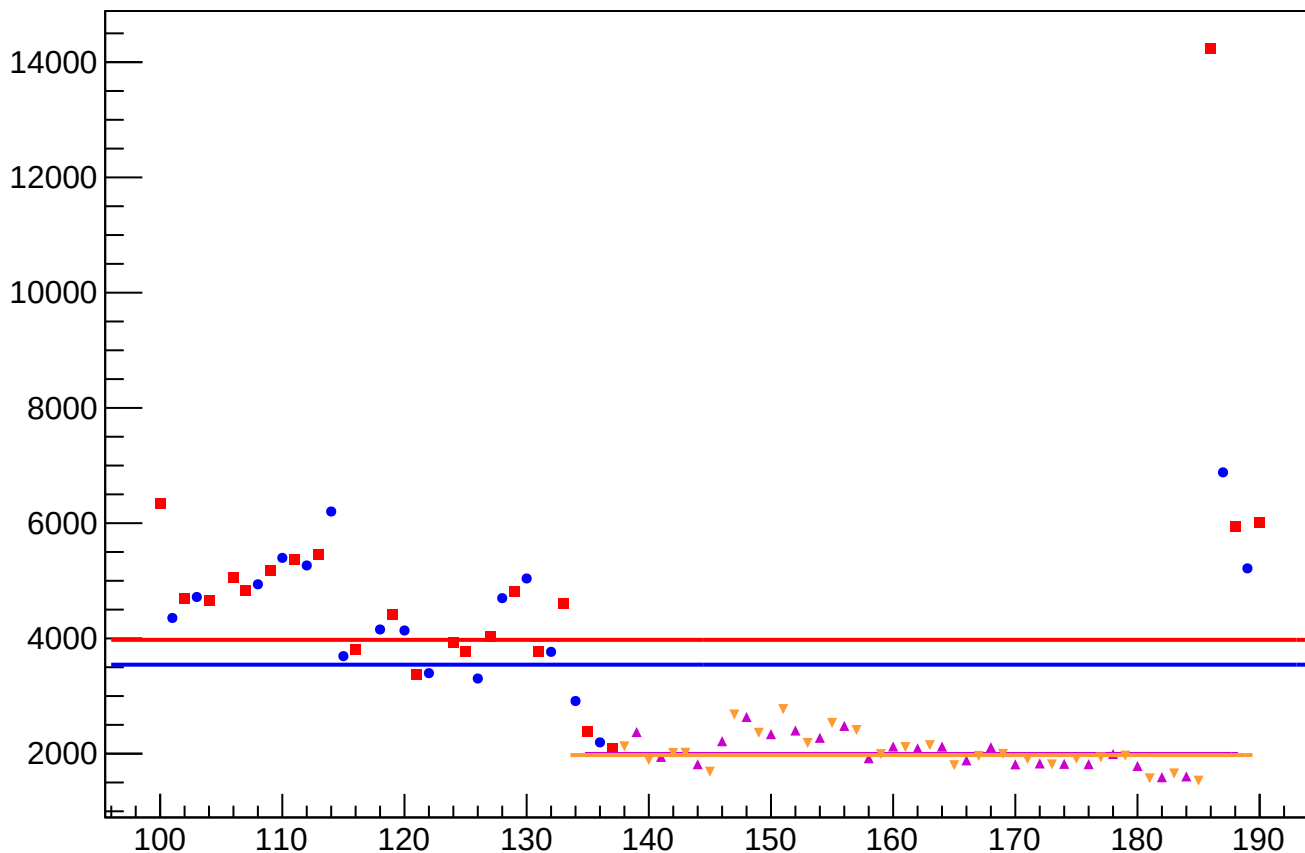
Left In: 44.348 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1274.528 ± 430.080 χ^2/NDF : 59.8/42

All: -692.570 ± 309.542 χ^2/NDF : 116.8/87

- sign -67.117 ± 445.863 χ^2/NDF : 53.1/44

asym_sam2_cor_correction_rms vs Slug



Right In: 3544.493+/-0.938 χ^2/NDF : 1511898.6/17

Left Out: 1975.967+/-0.321 χ^2/NDF : 763328.1/24

Right Out: 3975.003+/-0.984 χ^2/NDF : 1877881.5/21

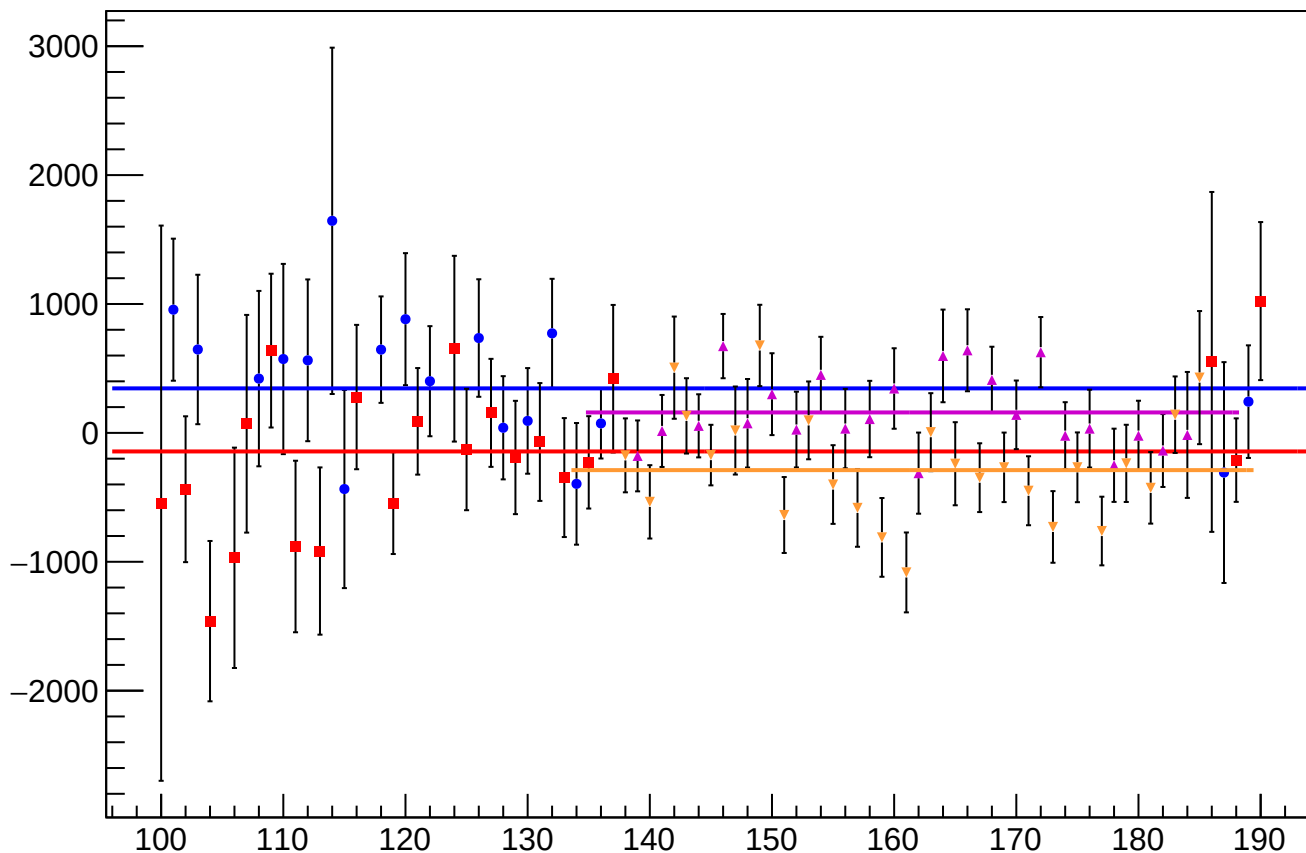
Left In: 1994.760+/-0.333 χ^2/NDF : 599996.2/22

+ sign 2140.932+/-0.304 χ^2/NDF : 4778751.8/42

All: 2168.548+/-0.219 χ^2/NDF : 10910842.8/8

- sign 2198.228+/-0.315 χ^2/NDF : 6114981.8/44

eigen_cor_asym_sam2_mean vs Slug



Right In: 345.323 ± 113.688 $\chi^2/\text{NDF}: 12.1/17$

Left Out: -288.928 ± 59.035 $\chi^2/\text{NDF}: 42.4/24$

Right Out: -143.970 ± 110.441 $\chi^2/\text{NDF}: 19.0/21$

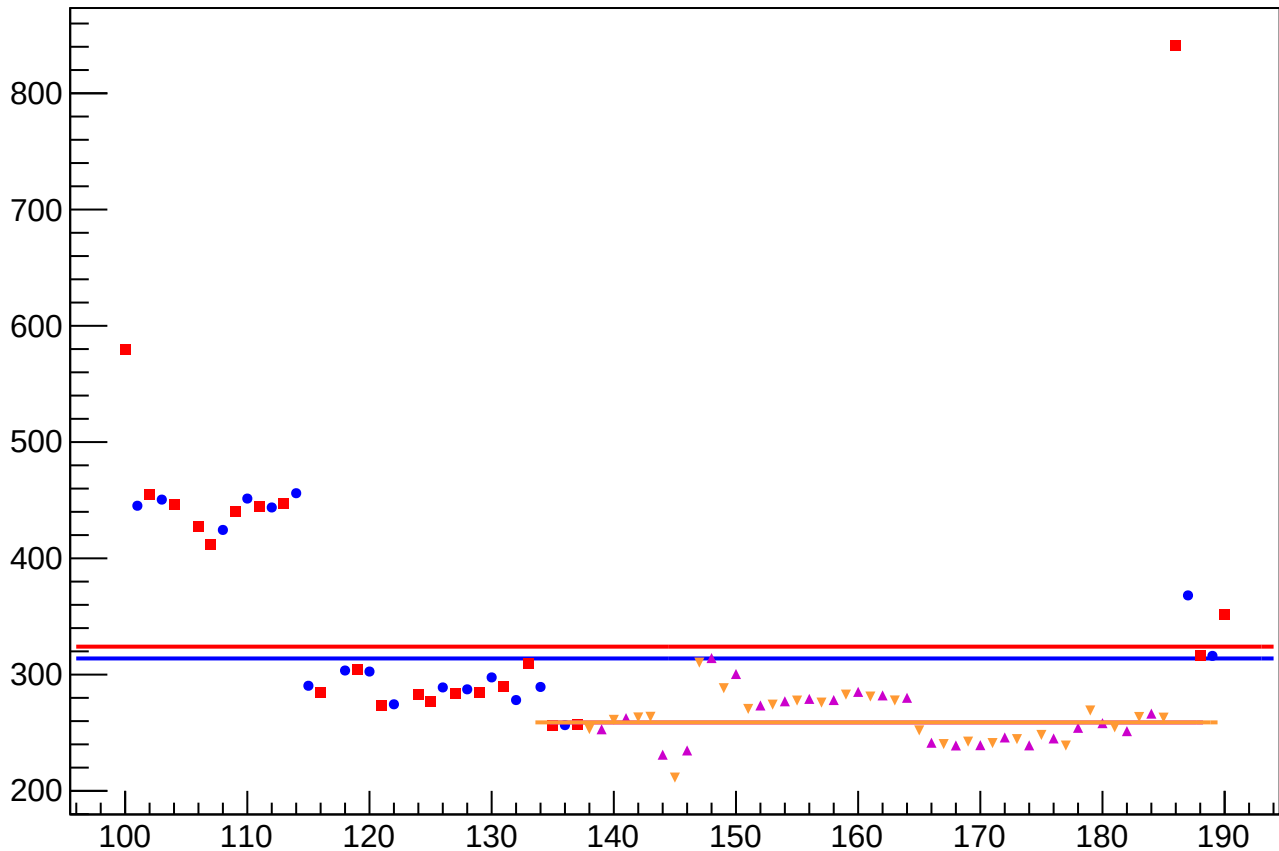
Left In: 158.612 ± 60.708 $\chi^2/\text{NDF}: 22.5/22$

+ sign -154.227 ± 52.392 $\chi^2/\text{NDF}: 79.1/42$

All: -34.769 ± 37.329 $\chi^2/\text{NDF}: 136.9/87$

- sign 88.401 ± 53.200 $\chi^2/\text{NDF}: 47.3/44$

eigen_cor_asym_sam2_rms vs Slug



Right In: 313.891 $\pm$ 0.080 χ^2/NDF : 610484.2/17

Left Out: 258.912 $\pm$ 0.042 χ^2/NDF : 248740.9/24

Right Out: 324.054 $\pm$ 0.078 χ^2/NDF : 1008814.1/21

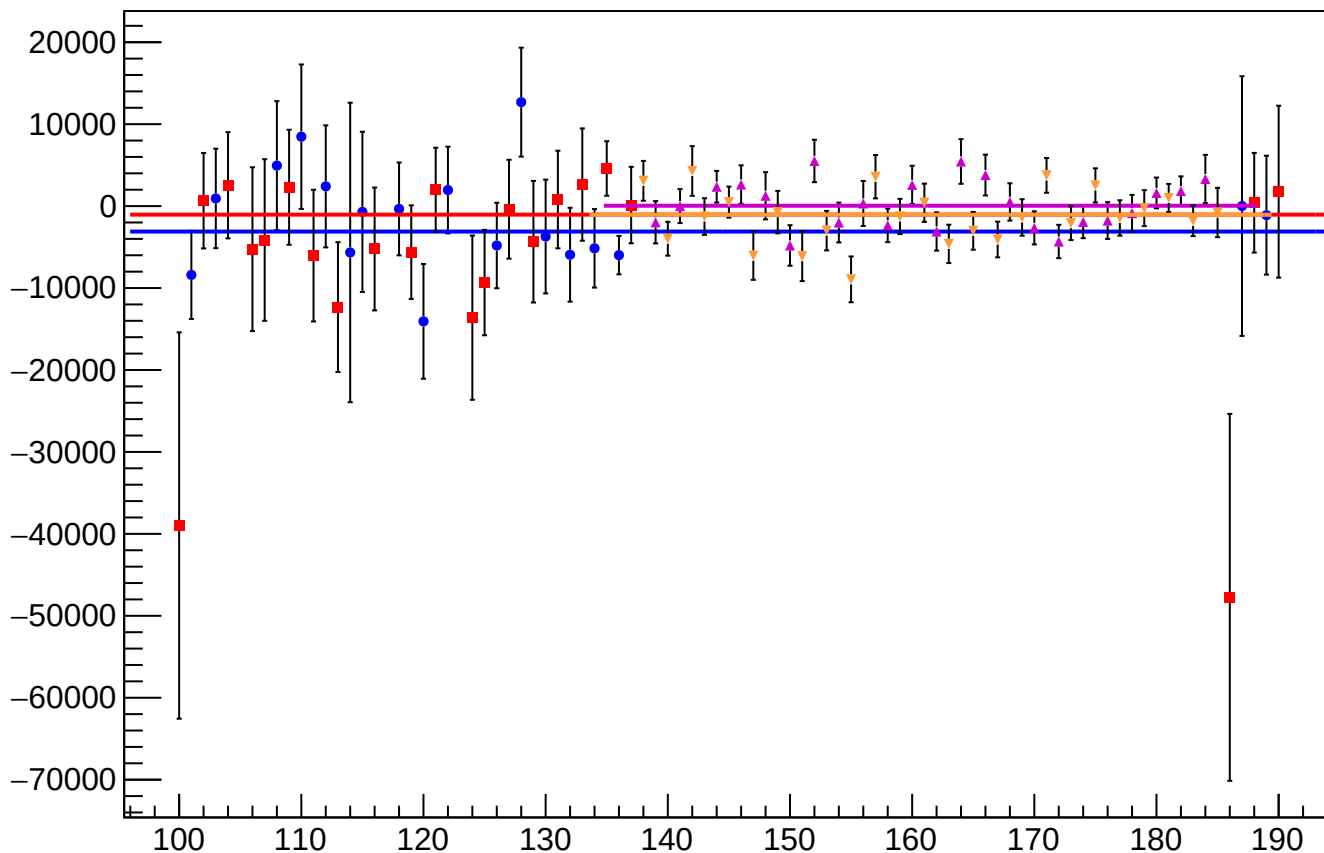
Left In: 258.843 $\pm$ 0.043 χ^2/NDF : 244953.3/22

+ sign 270.588 $\pm$ 0.037 χ^2/NDF : 1227623.2/42

All: 272.256 $\pm$ 0.026 χ^2/NDF : 3020994.0/87

- sign 273.975 $\pm$ 0.038 χ^2/NDF : 1789257.4/44

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3106.325 ± 1326.174 χ^2/NDF : 16.2/17

Left Out: -1059.232 ± 454.653 χ^2/NDF : 41.5/24

Right Out: -1040.472 ± 1390.953 χ^2/NDF : 18.4/21

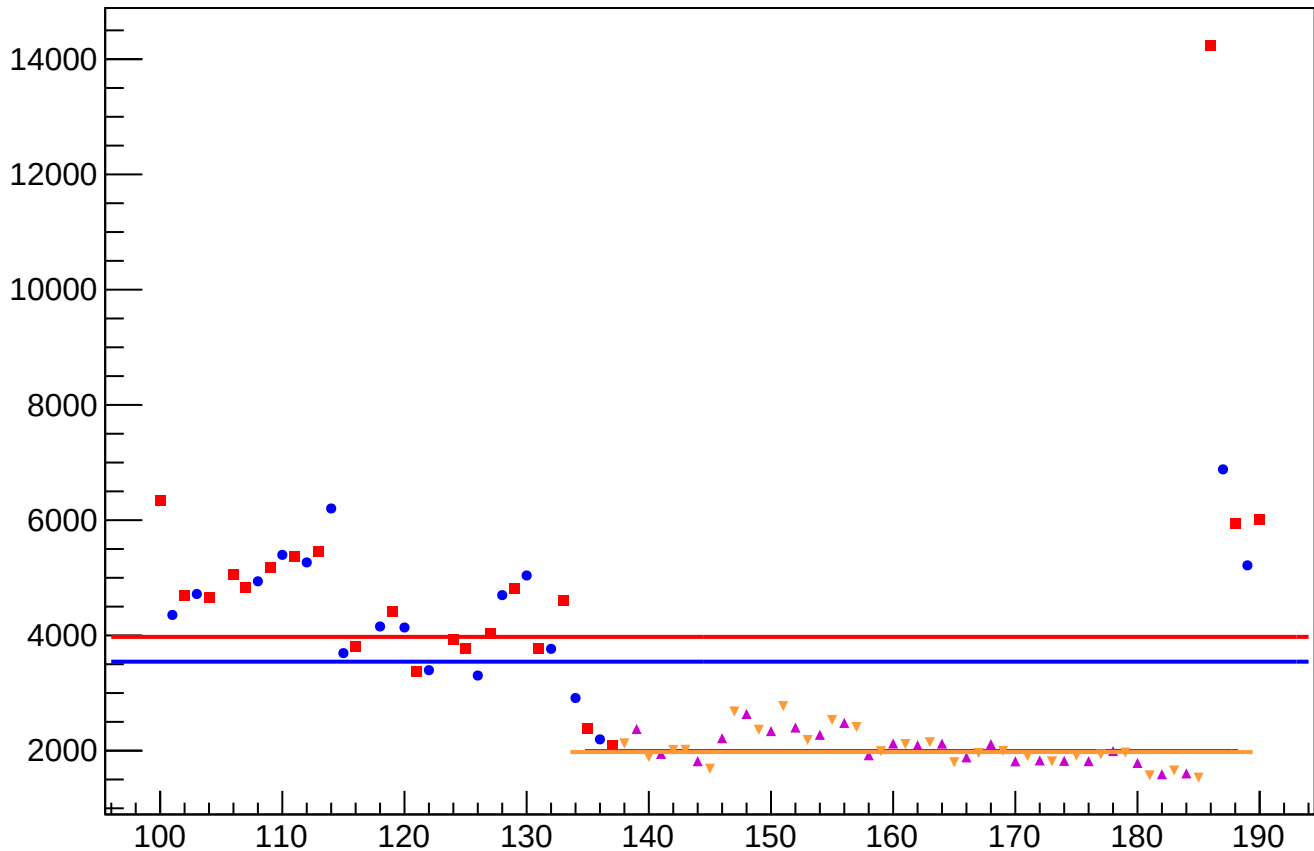
Left In: 44.348 ± 470.700 χ^2/NDF : 34.2/22

+ sign -1274.528 ± 430.080 χ^2/NDF : 59.8/42

All: -692.570 ± 309.542 χ^2/NDF : 116.8/87

- sign -67.117 ± 445.863 χ^2/NDF : 53.1/44

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3544.493 ± 0.938 $\chi^2/\text{NDF}: 1511898.6/17$

Left Out: 1975.967 ± 0.321 $\chi^2/\text{NDF}: 763328.1/24$

+ sign 2140.932 ± 0.304 $\chi^2/\text{NDF}: 4778751.8/42$

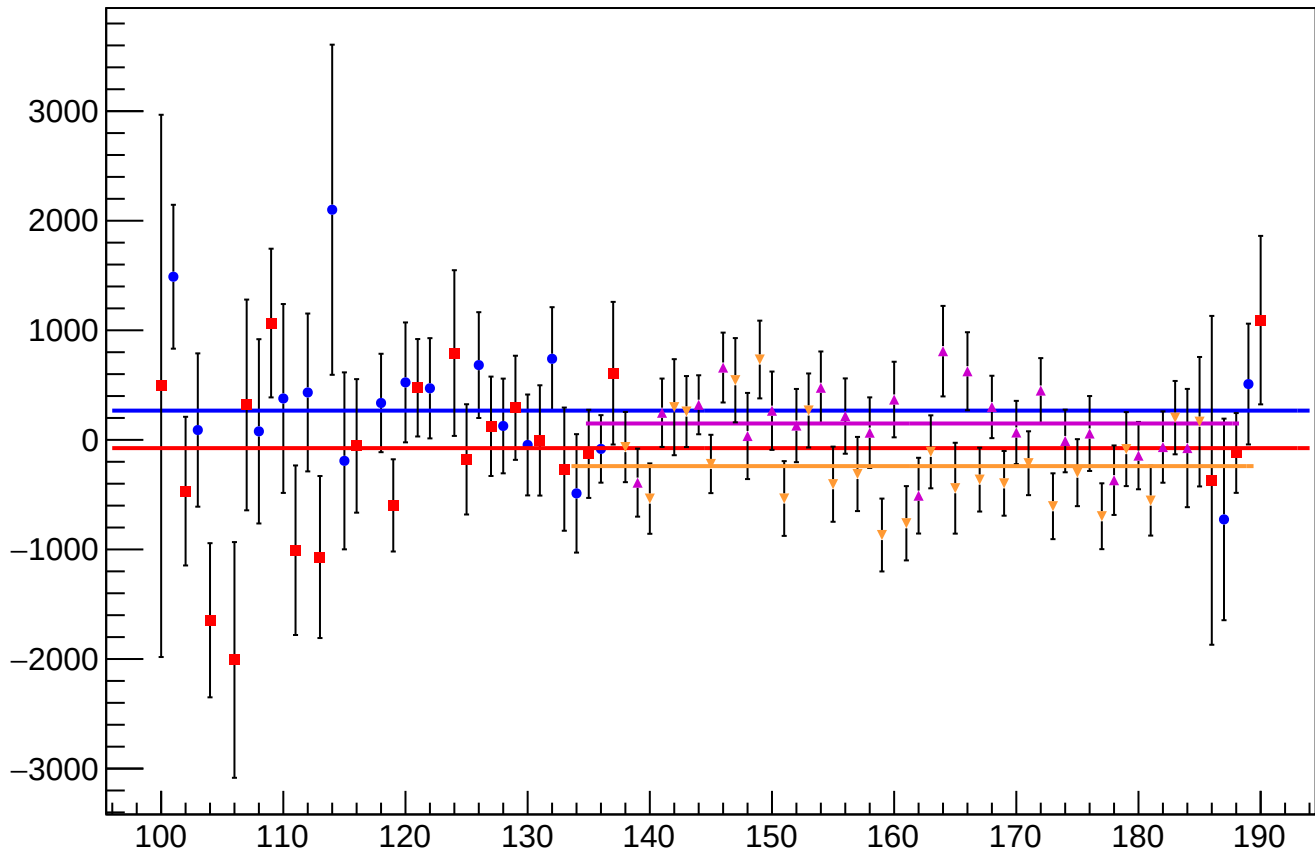
Right Out: 3975.003 ± 0.984 $\chi^2/\text{NDF}: 1877881.5/21$

All: 2168.548 ± 0.219 $\chi^2/\text{NDF}: 10910842.8/8$

- sign 2198.228 ± 0.315 $\chi^2/\text{NDF}: 6114981.8/44$

Left In: 1994.760 ± 0.333 $\chi^2/\text{NDF}: 599996.2/22$

dit_asym_sam2_mean vs Slug



Right In: 266.980 ± 127.617 χ^2/NDF : 12.8/17

Left Out: -239.549 ± 66.167 χ^2/NDF : 34.0/24

Right Out: -75.354 ± 123.373 χ^2/NDF : 23.7/21

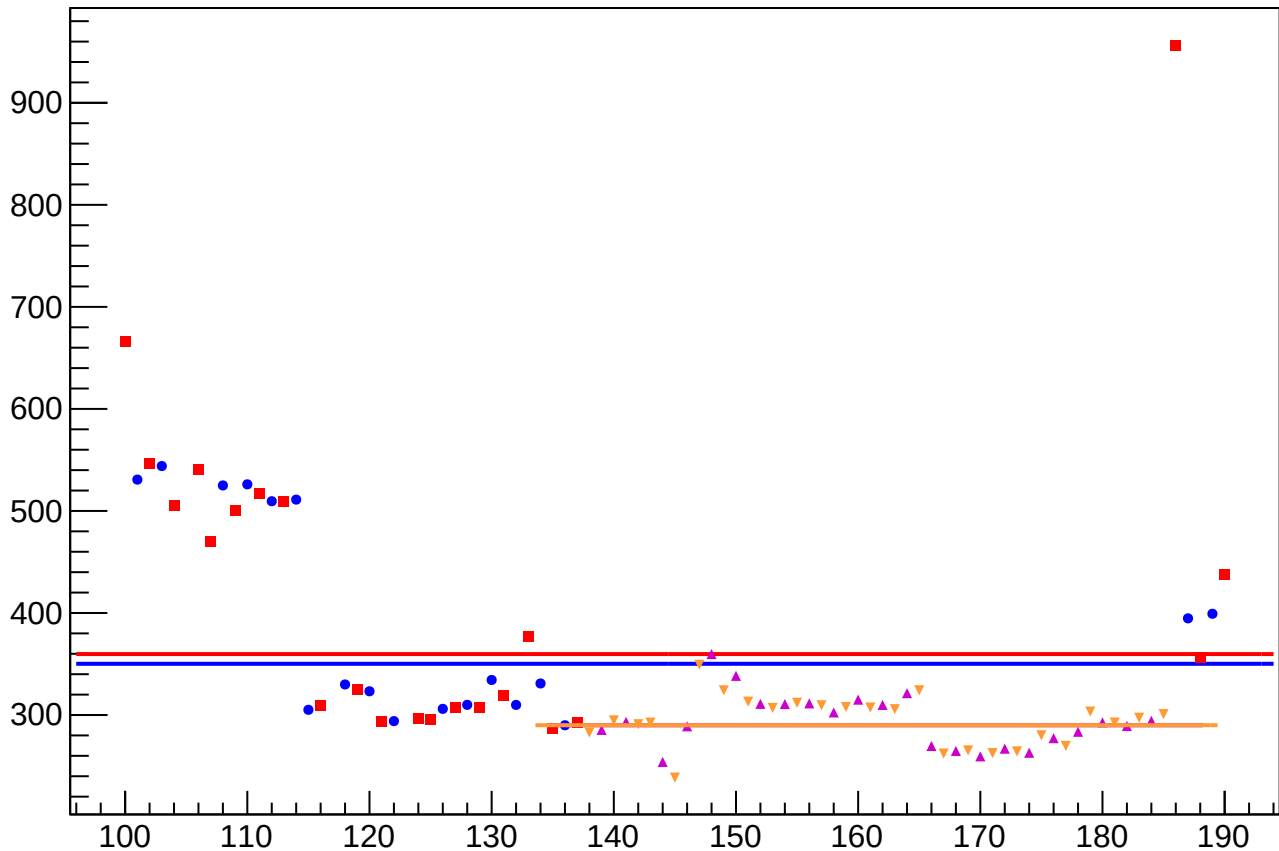
Left In: 149.516 ± 68.160 χ^2/NDF : 21.7/22

+ sign -132.232 ± 58.741 χ^2/NDF : 59.3/42

All: -19.429 ± 41.857 χ^2/NDF : 114.7/87

- sign 96.931 ± 59.660 χ^2/NDF : 48.0/44

dit_asym_sam2_rms vs Slug



Right In: 350.215 $\pm$ 0.090 χ^2 /NDF: 790889.2/17

Left Out: 290.023 $\pm$ 0.047 χ^2 /NDF: 280647.1/24

Right Out: 359.743 $\pm$ 0.087 χ^2 /NDF: 1207579.7/21

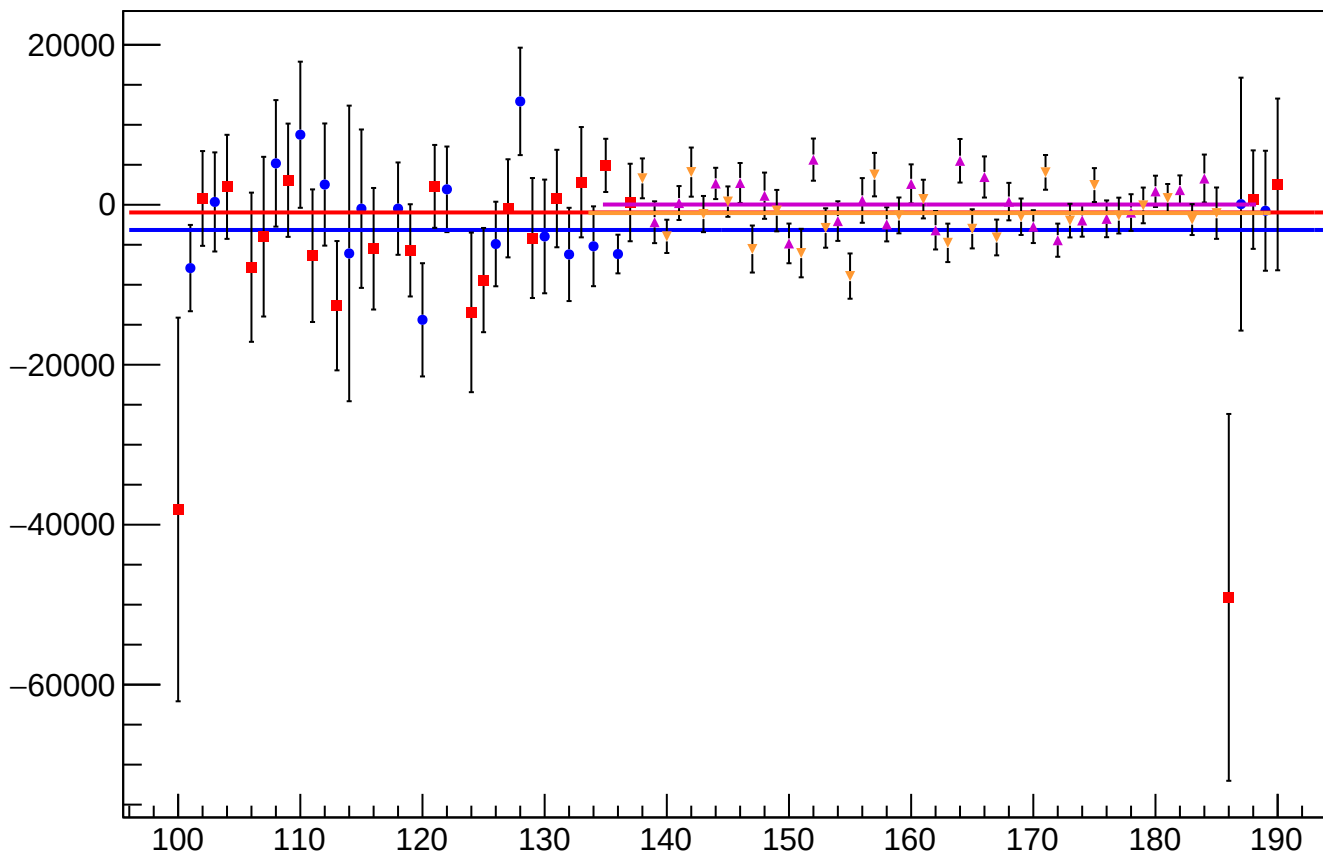
Left In: 289.941 $\pm$ 0.048 χ^2 /NDF: 269669.5/22

+ sign 302.776 $\pm$ 0.042 χ^2 /NDF: 1422198.0/42

All: 304.493 $\pm$ 0.030 χ^2 /NDF: 3393417.5/87

- sign 306.264 $\pm$ 0.042 χ^2 /NDF: 1967747.5/44

asym_sam2_dit_correction_mean vs Slug



Right In: -3152.197 ± 1356.145 χ^2/NDF : 16.2/17

Left Out: -1036.592 ± 465.324 χ^2/NDF : 40.3/24

Right Out: -961.262 ± 1406.332 χ^2/NDF : 19.2/21

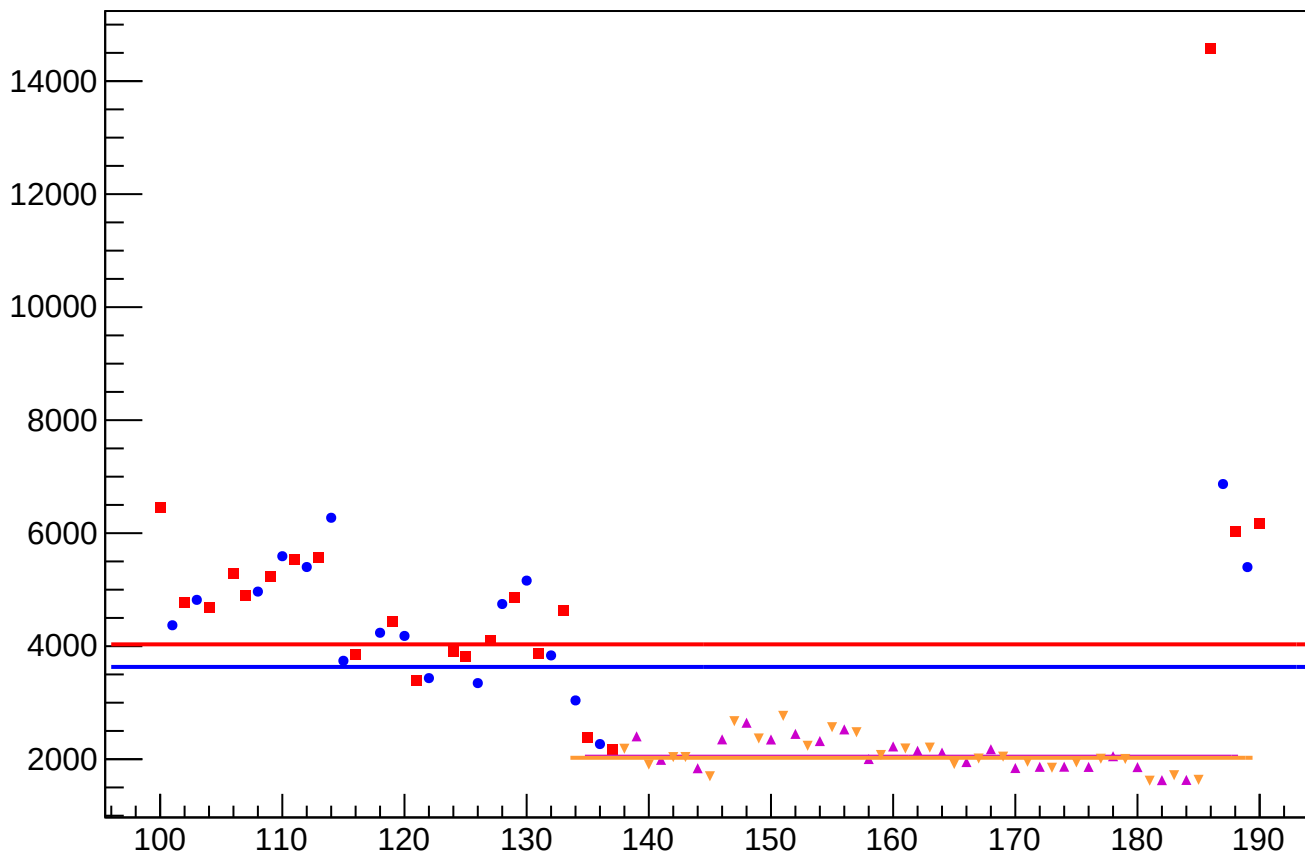
Left In: 30.393 ± 482.280 χ^2/NDF : 34.1/22

+ sign -1259.433 ± 440.135 χ^2/NDF : 58.7/42

All: -687.936 ± 316.750 χ^2/NDF : 115.9/87

- sign -73.958 ± 456.200 χ^2/NDF : 53.8/44

asym_sam2_dit_correction_rms vs Slug



Right In: 3632.925+/-0.959 χ^2/NDF : 1460760.4/17

Left Out: 2025.085+/-0.329 χ^2/NDF : 700821.6/24

Right Out: 4032.355+/-0.994 χ^2/NDF : 1902297.8/21

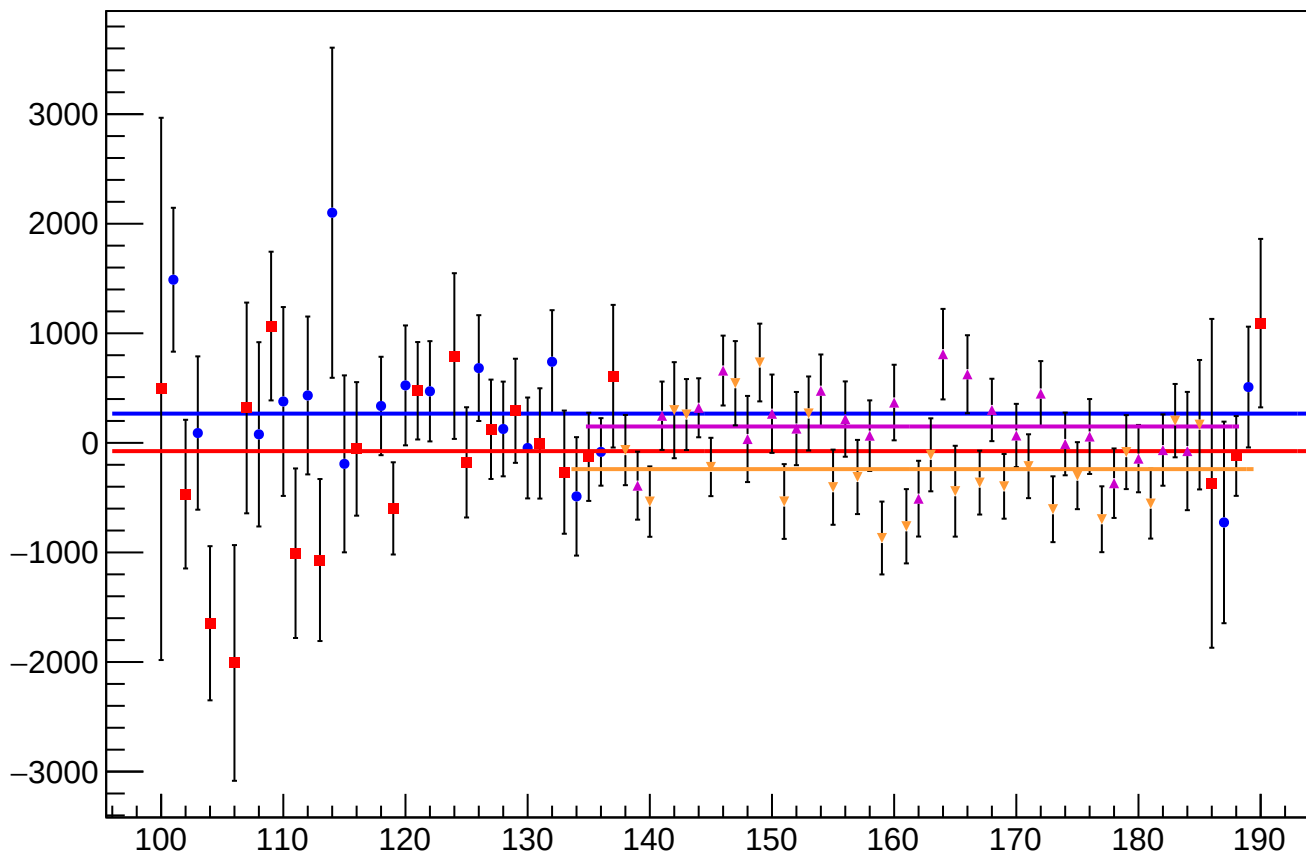
Left In: 2044.523+/-0.341 χ^2/NDF : 584918.7/22

+ sign 2194.442+/-0.311 χ^2/NDF : 4676739.7/42

All: 2223.009+/-0.224 χ^2/NDF : 10756843.8/8

- sign 2253.700+/-0.323 χ^2/NDF : 6062626.6/44

eigen_dit_asym_sam2_mean vs Slug



Right In: 266.984 ± 127.617 χ^2/NDF : 12.8/17

Left Out: -239.552 ± 66.167 χ^2/NDF : 34.0/24

Right Out: -75.355 ± 123.372 χ^2/NDF : 23.7/21

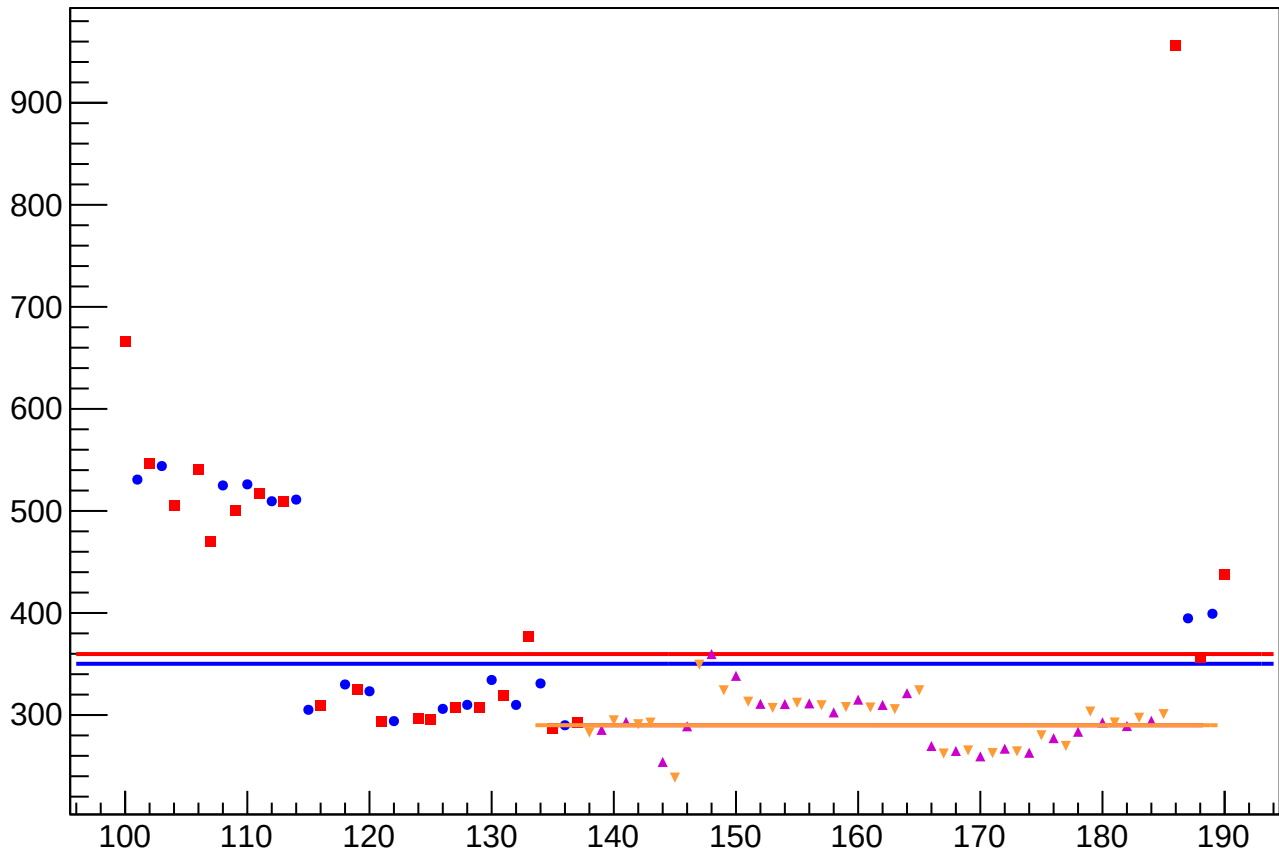
Left In: 149.517 ± 68.160 χ^2/NDF : 21.7/22

+ sign -132.233 ± 58.741 χ^2/NDF : 59.3/42

All: -19.429 ± 41.857 χ^2/NDF : 114.7/87

- sign 96.931 ± 59.660 χ^2/NDF : 48.0/44

eigen_dit_asym_sam2_rms vs Slug



Right In: 350.213 $\pm$ 0.090 χ^2 /NDF: 790883.4/17

Left Out: 290.023 $\pm$ 0.047 χ^2 /NDF: 280652.8/24

Right Out: 359.742 $\pm$ 0.087 χ^2 /NDF: 1207567.9/21

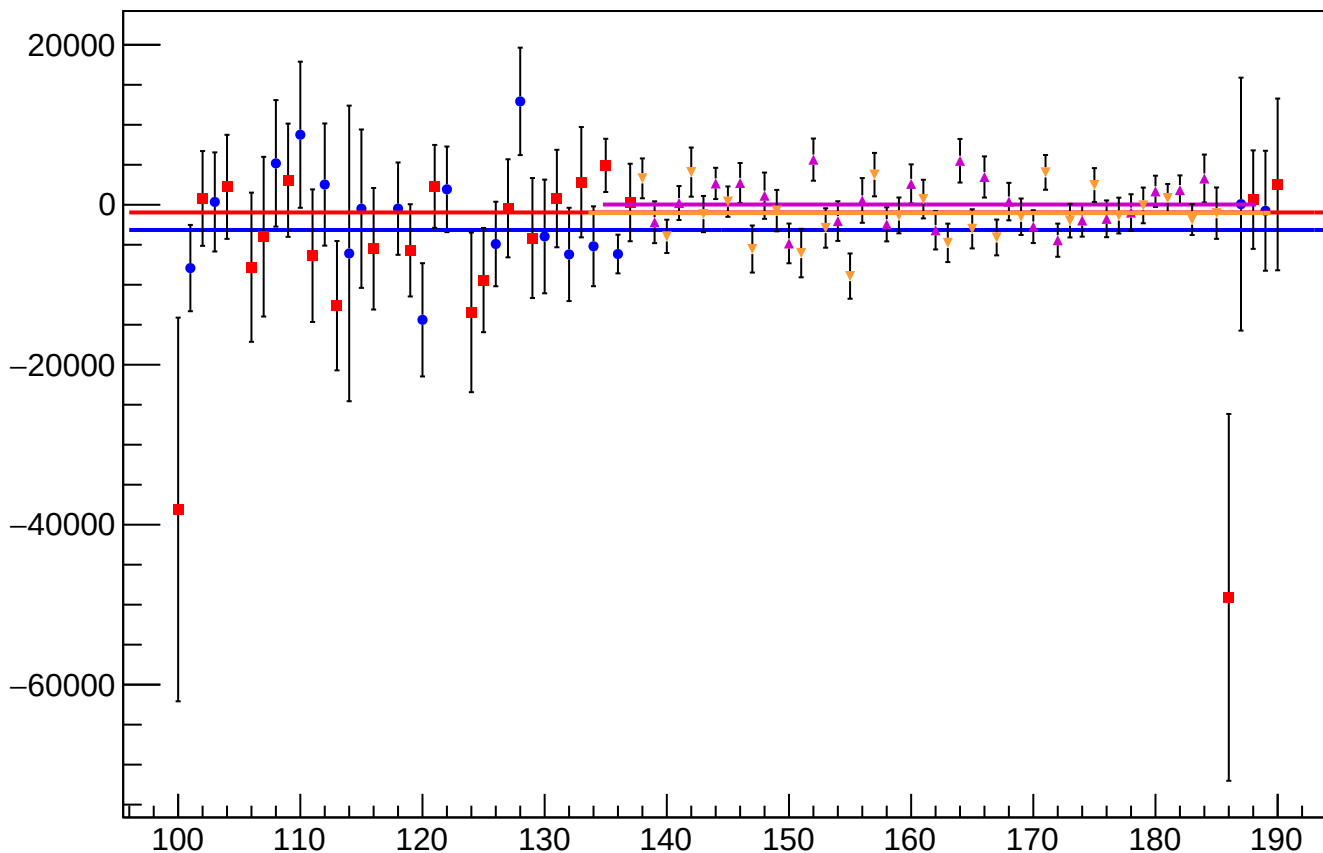
Left In: 289.941 $\pm$ 0.048 χ^2 /NDF: 269671.9/22

+ sign 302.775 $\pm$ 0.042 χ^2 /NDF: 1422178.1/42

All: 304.493 $\pm$ 0.030 χ^2 /NDF: 3393376.7/87

- sign 306.264 $\pm$ 0.042 χ^2 /NDF: 1967726.5/44

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3152.189 ± 1356.143 χ^2/NDF : 16.2/17

Left Out: -1036.591 ± 465.324 χ^2/NDF : 40.3/24

Right Out: -961.266 ± 1406.329 χ^2/NDF : 19.2/21

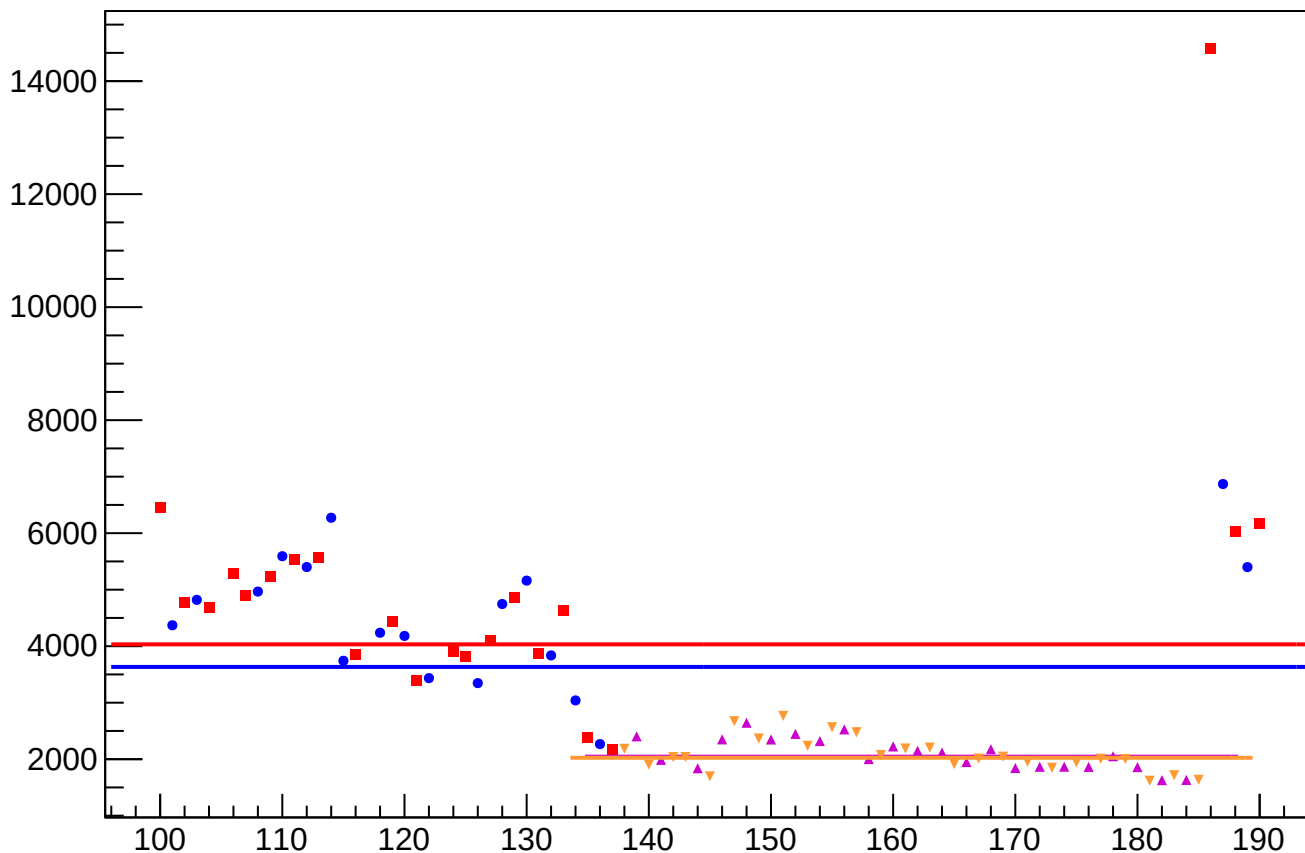
Left In: 30.392 ± 482.280 χ^2/NDF : 34.1/22

+ sign -1259.432 ± 440.135 χ^2/NDF : 58.7/42

All: -687.936 ± 316.750 χ^2/NDF : 115.9/87

- sign -73.960 ± 456.200 χ^2/NDF : 53.8/44

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3632.921 ± 0.959 $\chi^2/\text{NDF}: 1460746.9/17$

Left Out: 2025.085 ± 0.329 $\chi^2/\text{NDF}: 700825.4/24$

Right Out: 4032.350 ± 0.994 $\chi^2/\text{NDF}: 1902289.0/21$

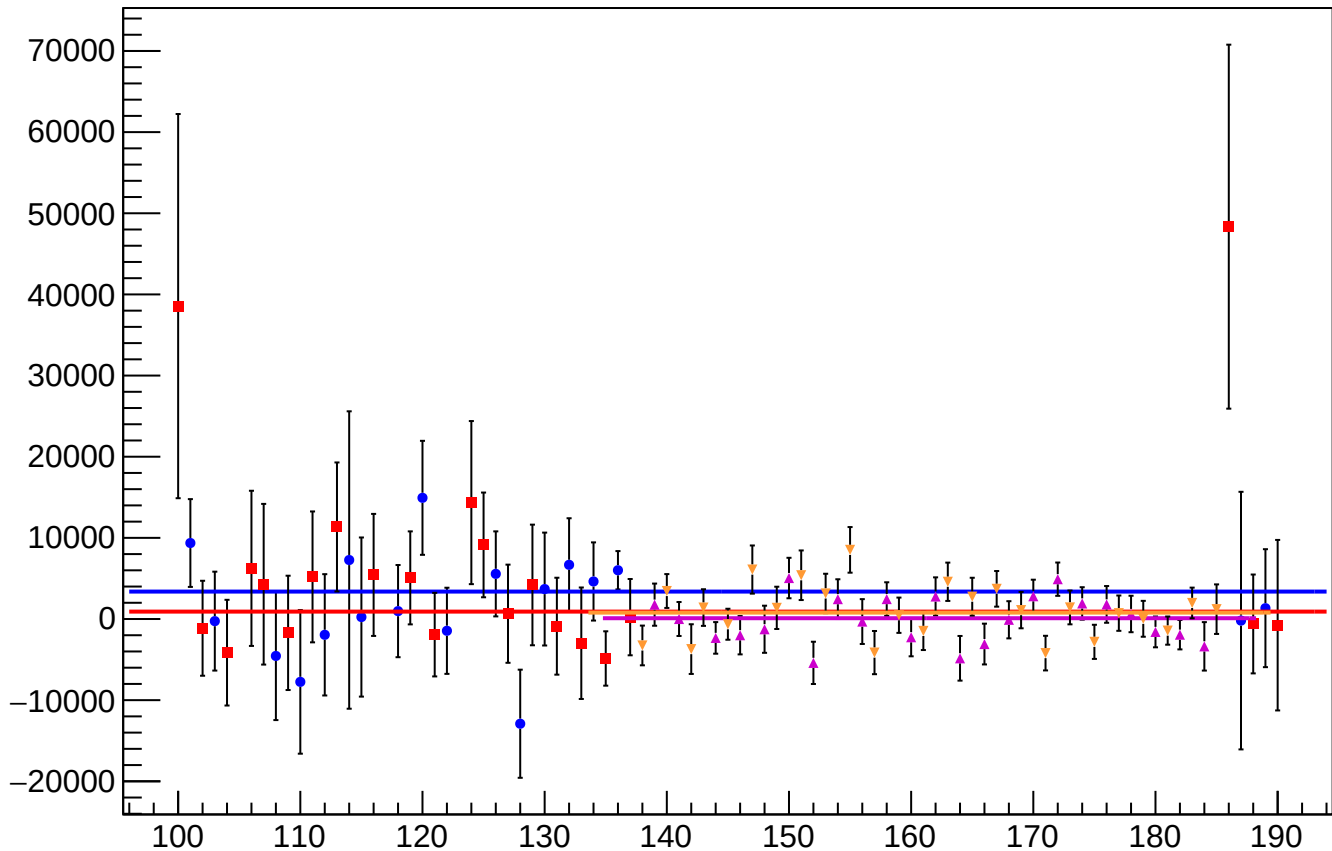
Left In: 2044.522 ± 0.341 $\chi^2/\text{NDF}: 584922.7/22$

+ sign 2194.442 ± 0.311 $\chi^2/\text{NDF}: 4676724.6/42$

All: 2223.009 ± 0.224 $\chi^2/\text{NDF}: 10756816.6/8$

- sign 2253.700 ± 0.323 $\chi^2/\text{NDF}: 6062614.9/44$

asym_sam2_mean vs Slug



Right In: 3380.432 $\pm$ 1332.420 χ^2 /NDF: 16.5/17

Left Out: 788.321 $\pm$ 458.726 χ^2 /NDF: 41.3/24

Right Out: 912.652 $\pm$ 1395.020 χ^2 /NDF: 18.6/21

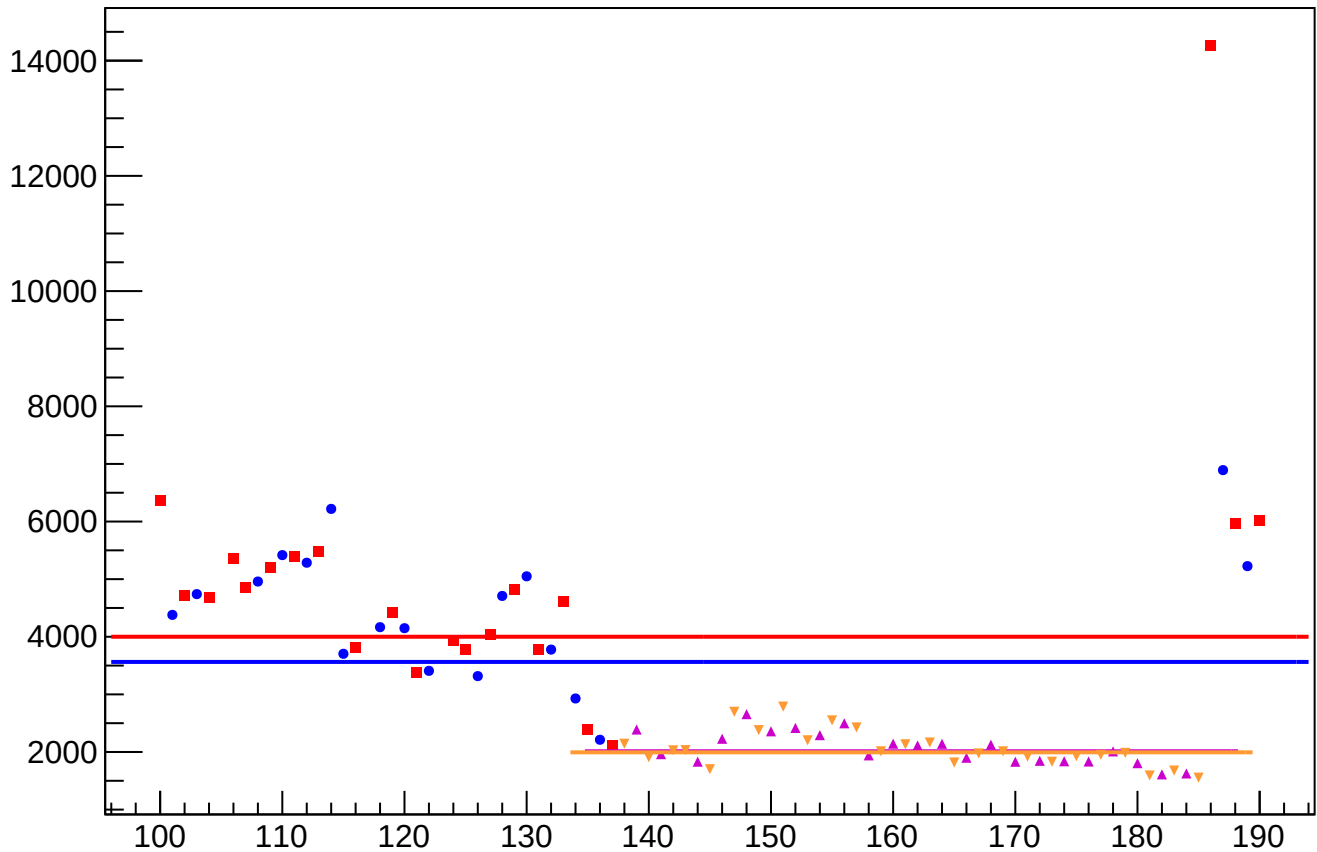
Left In: 96.730 $\pm$ 474.825 χ^2 /NDF: 32.8/22

+ sign 1063.003 $\pm$ 433.740 χ^2 /NDF: 61.2/42

All: 637.948 $\pm$ 312.124 χ^2 /NDF: 114.9/87

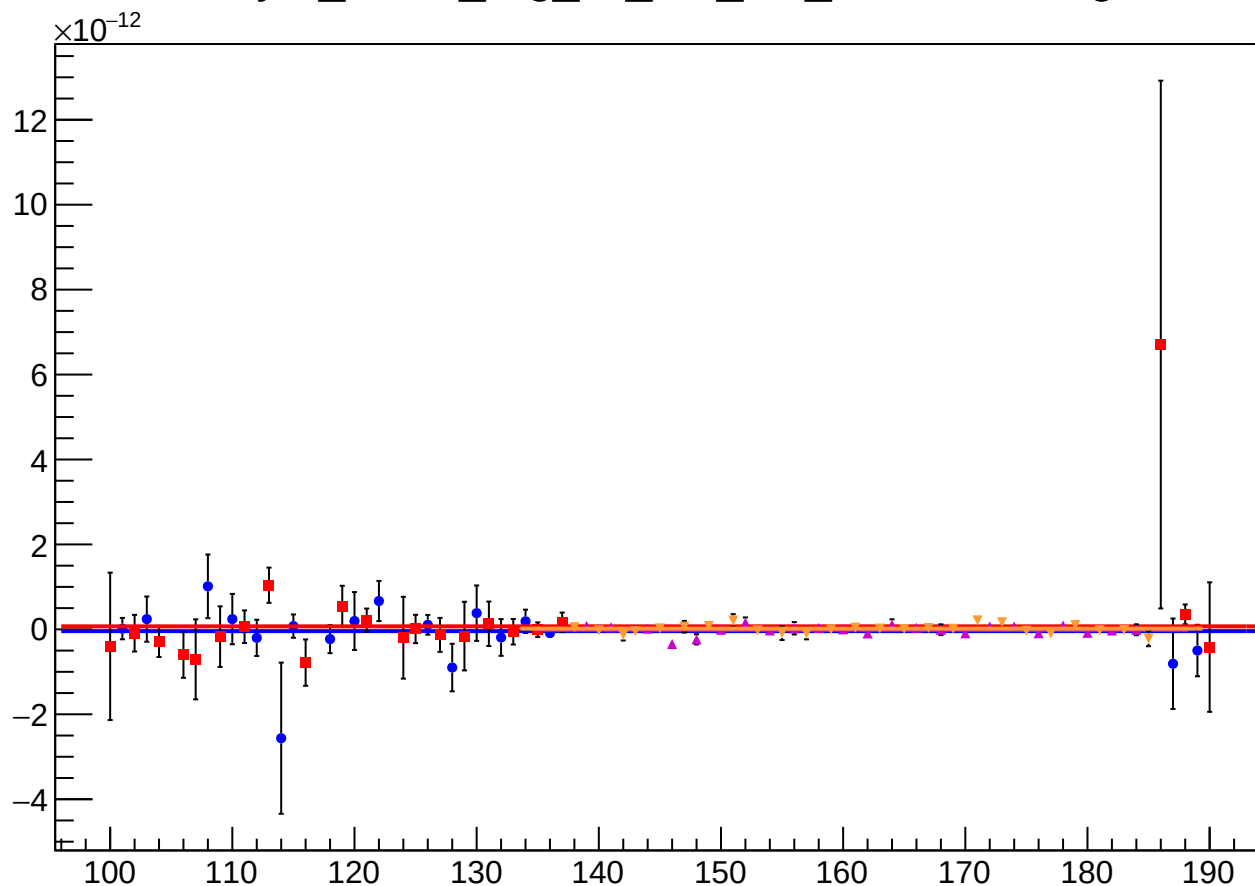
- sign 181.443 $\pm$ 449.501 χ^2 /NDF: 51.7/44

asym_sam2_rms vs Slug



Right In: 3563.259 $\pm$ 0.942 χ^2 /NDF: 1496705.5/17 + sign 2160.512 $\pm$ 0.307 χ^2 /NDF: 4722646.1/42
 Left Out: 1994.246 $\pm$ 0.324 χ^2 /NDF: 746498.4/24 All: 2188.740 $\pm$ 0.221 χ^2 /NDF: 10847783.0/8
 Right Out: 4000.318 $\pm$ 0.986 χ^2 /NDF: 1881728.3/21 - sign 2219.056 $\pm$ 0.318 χ^2 /NDF: 6107568.5/44
 Left In: 2012.692 $\pm$ 0.336 χ^2 /NDF: 587260.9/22

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.0/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 21.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.4/21

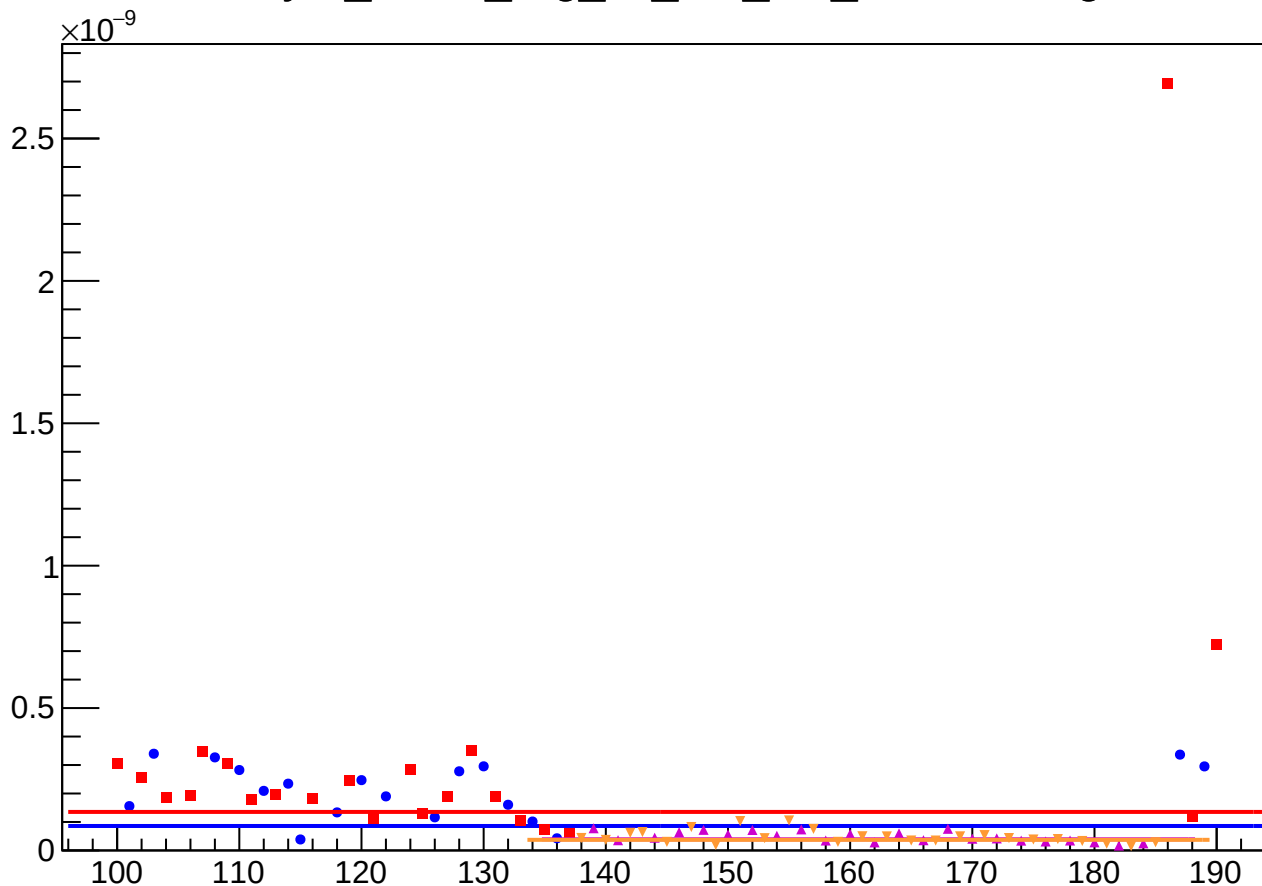
Left In: -0.000 ± 0.000 χ^2/NDF : 30.6/22

+ sign 0.000 ± 0.000 χ^2/NDF : 35.2/42

All: 0.000 ± 0.000 χ^2/NDF : 84.7/87

- sign -0.000 ± 0.000 χ^2/NDF : 48.2/44

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3056129.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2047694.7/21

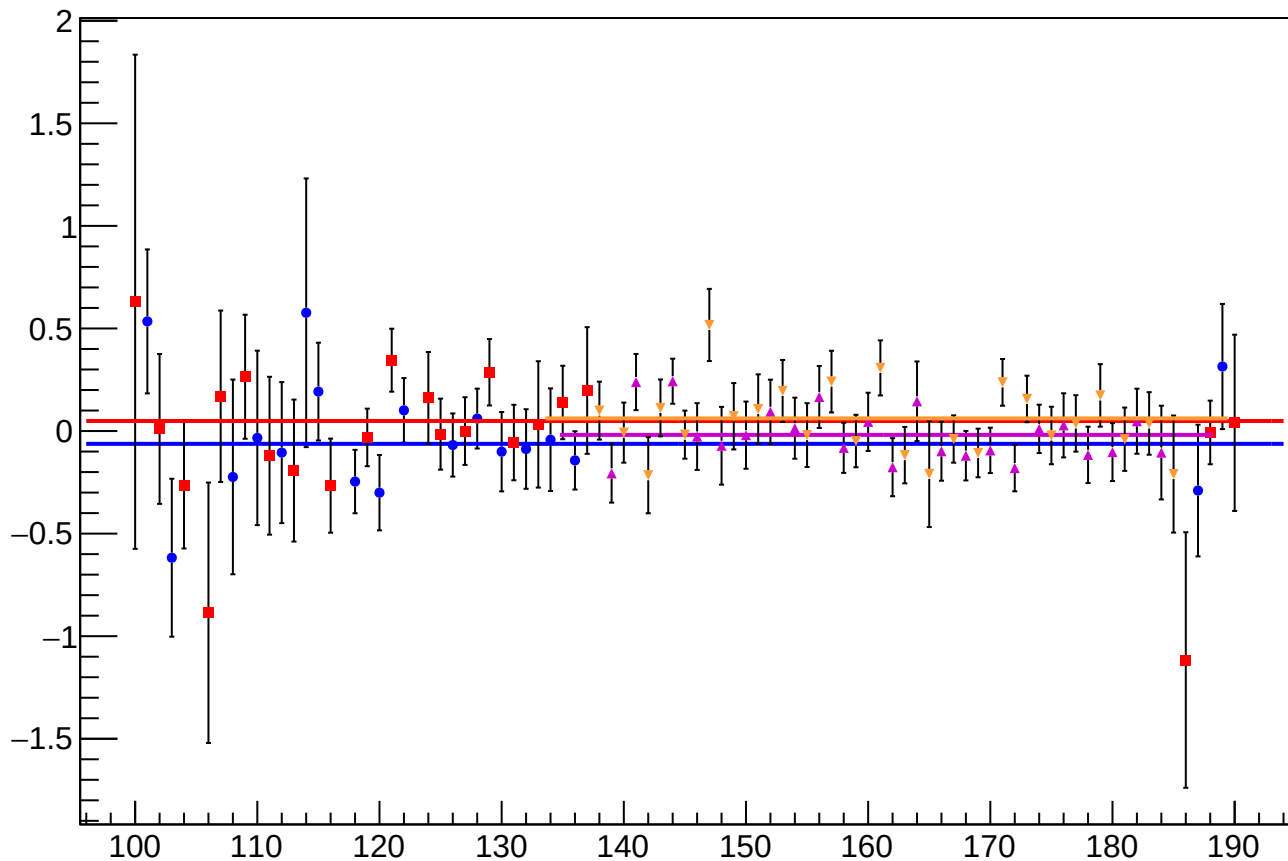
Left In: 0.000+/-0.000 χ^2/NDF : 1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 6605433.0/42

All: 0.000+/-0.000 χ^2/NDF : 13407808.7/87

- sign 0.000+/-0.000 χ^2/NDF : 6769567.2/44

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.062 ± 0.050 χ^2/NDF : 14.5/17

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.049 ± 0.049 χ^2/NDF : 17.7/21

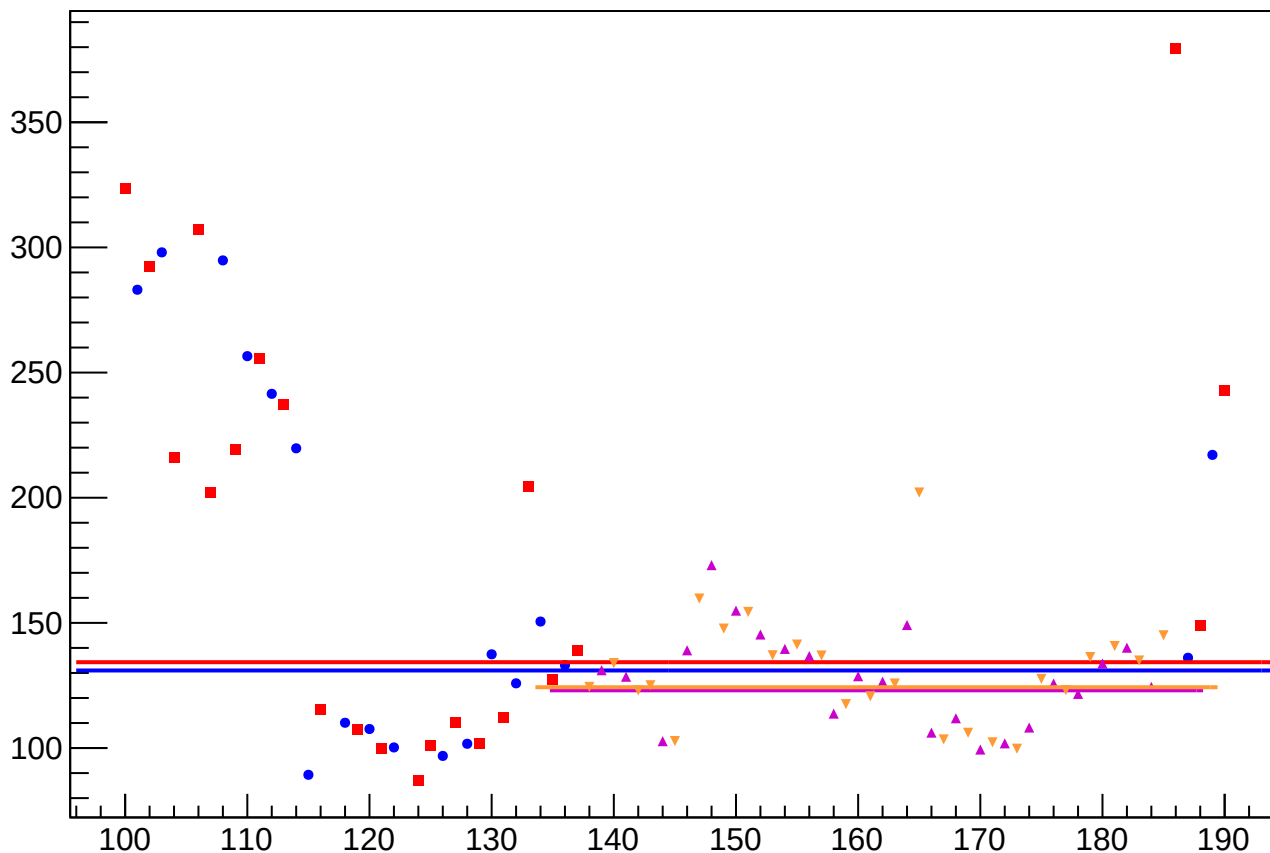
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.031 ± 0.025 χ^2/NDF : 46.5/42

All: 0.015 ± 0.018 χ^2/NDF : 86.8/87

- sign -0.001 ± 0.025 χ^2/NDF : 39.5/44

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 130.991 $\pm$ 0.036 χ^2 /NDF: 1969986.0/17

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 840983.3/24

Right Out: 134.296 $\pm$ 0.034 χ^2 /NDF: 2361912.0/21

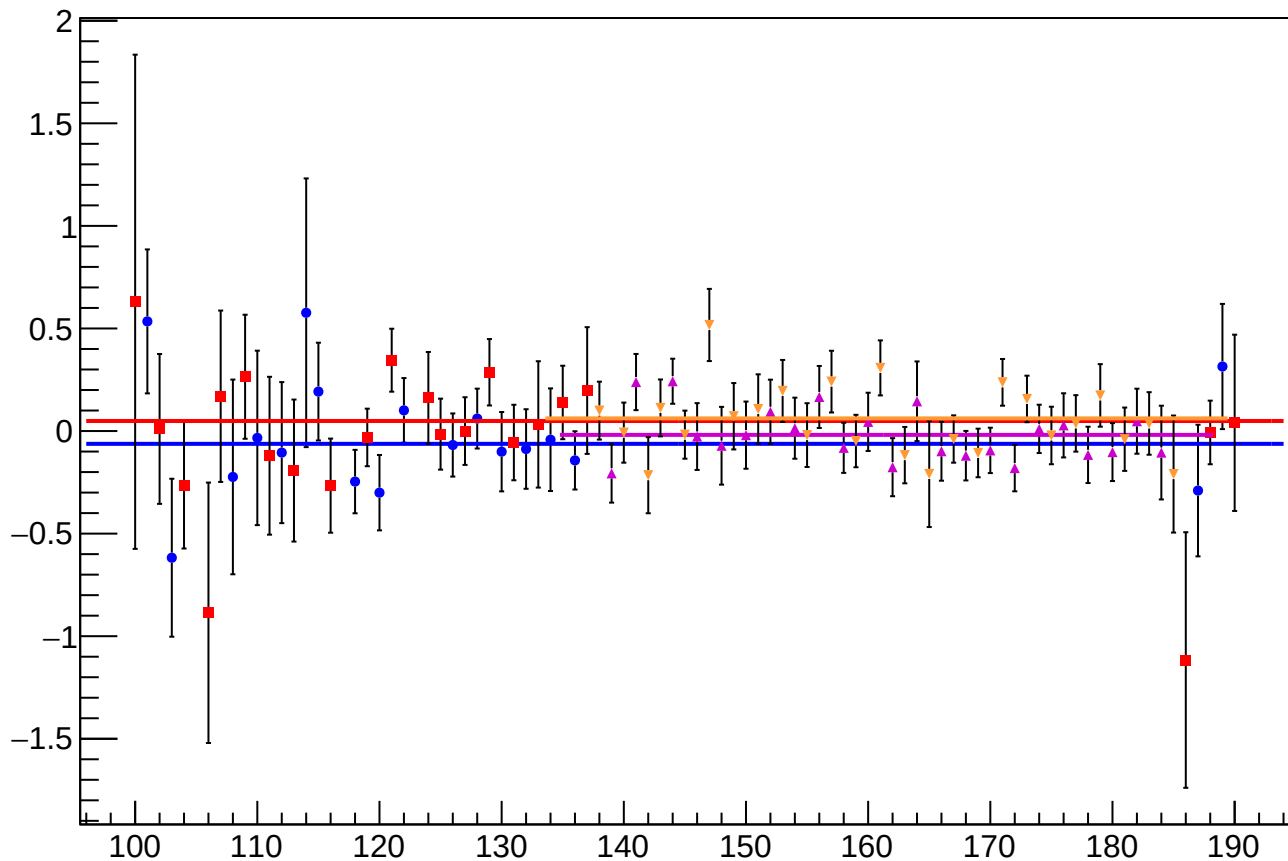
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718821.1/22

+ sign 125.930 $\pm$ 0.018 χ^2 /NDF: 2837656.2/42

All: 125.999 $\pm$ 0.013 χ^2 /NDF: 5996964.8/87

- sign 126.069 $\pm$ 0.018 χ^2 /NDF: 3159277.7/44

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.062 ± 0.050 χ^2/NDF : 14.5/17

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.049 ± 0.049 χ^2/NDF : 17.7/21

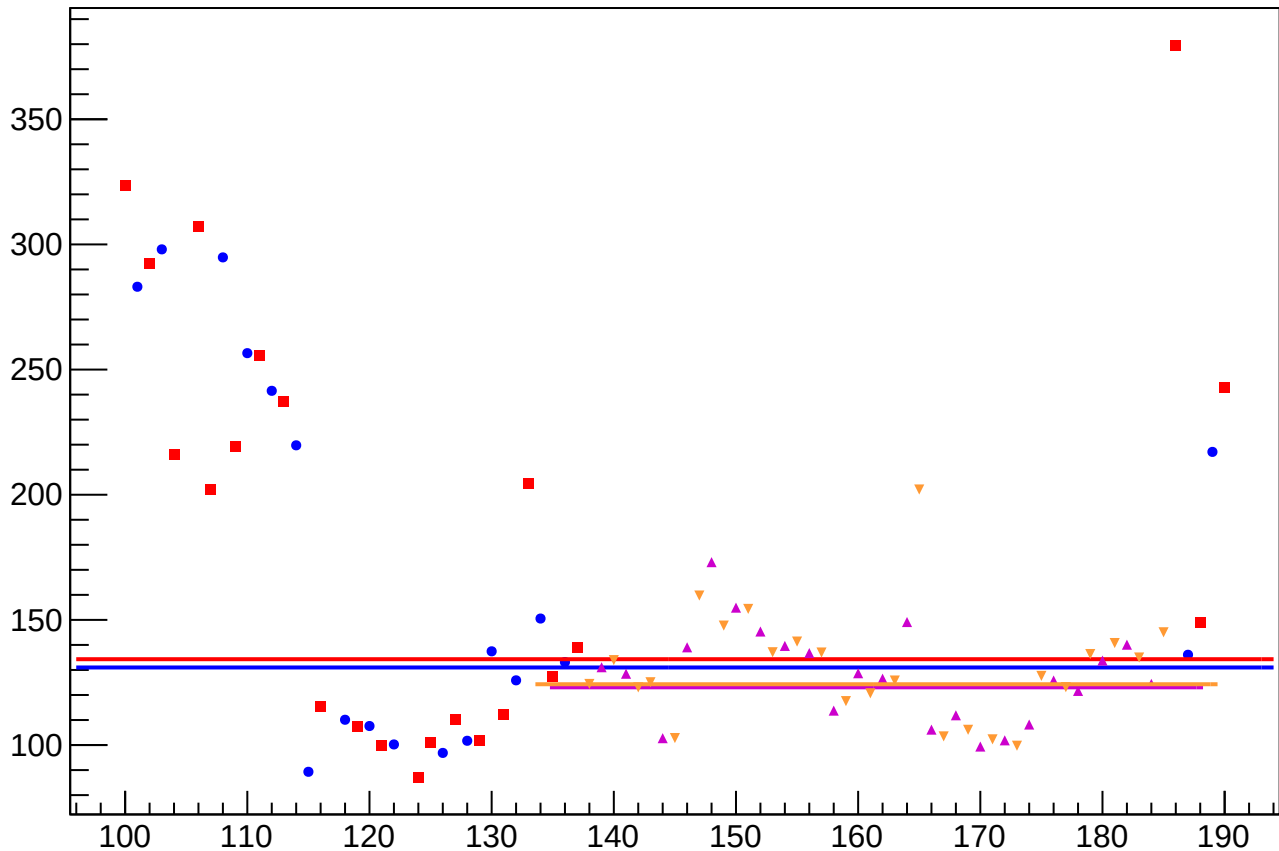
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.031 ± 0.025 χ^2/NDF : 46.5/42

All: 0.015 ± 0.018 χ^2/NDF : 86.8/87

- sign -0.001 ± 0.025 χ^2/NDF : 39.5/44

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 130.991 $\pm$ 0.036 χ^2 /NDF: 1969986.0/17

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 840983.3/24

Right Out: 134.296 $\pm$ 0.034 χ^2 /NDF: 2361912.0/21

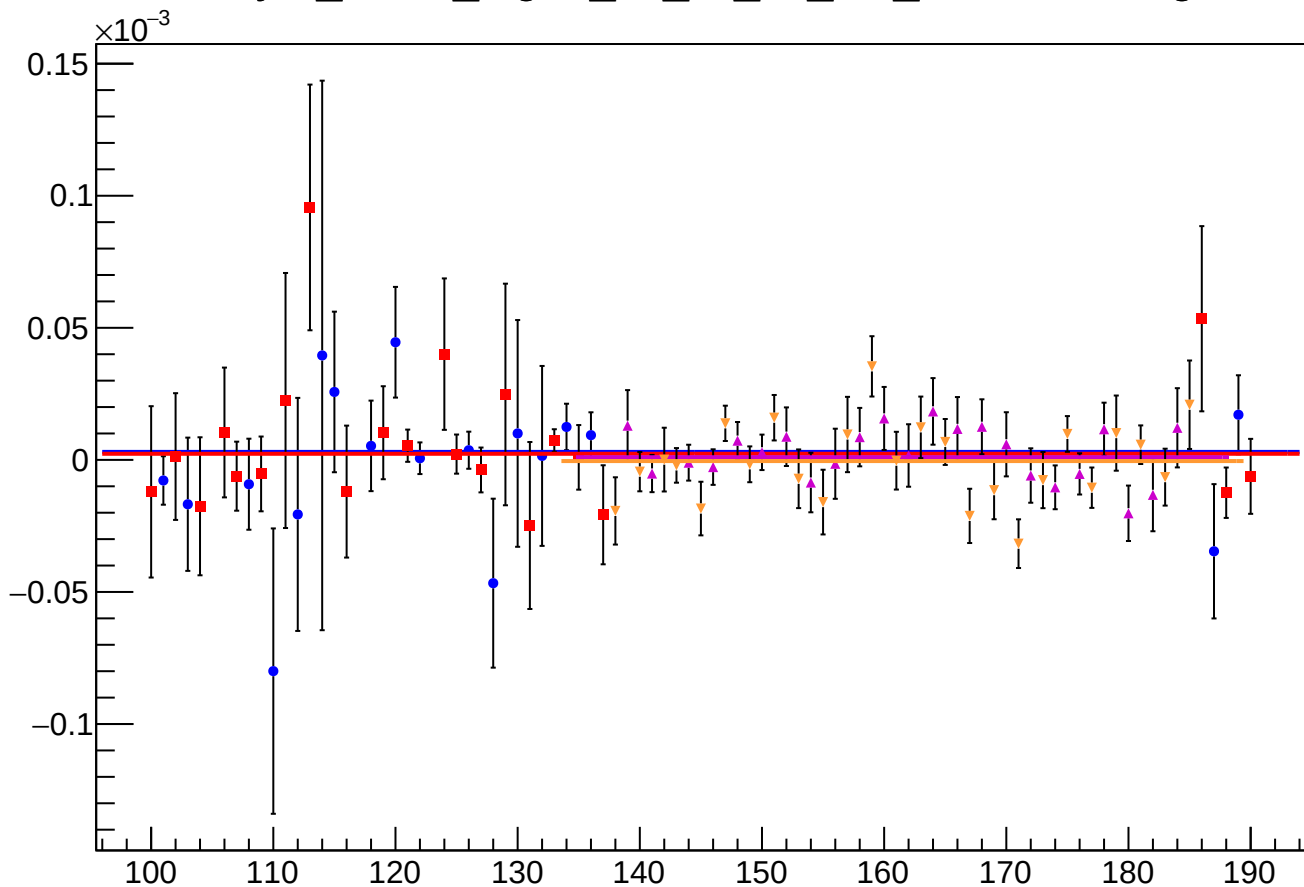
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718821.1/22

+ sign 125.930 $\pm$ 0.018 χ^2 /NDF: 2837656.2/42

All: 125.999 $\pm$ 0.013 χ^2 /NDF: 5996964.8/87

- sign 126.069 $\pm$ 0.018 χ^2 /NDF: 3159277.7/44

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 17.2/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 52.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 17.6/21

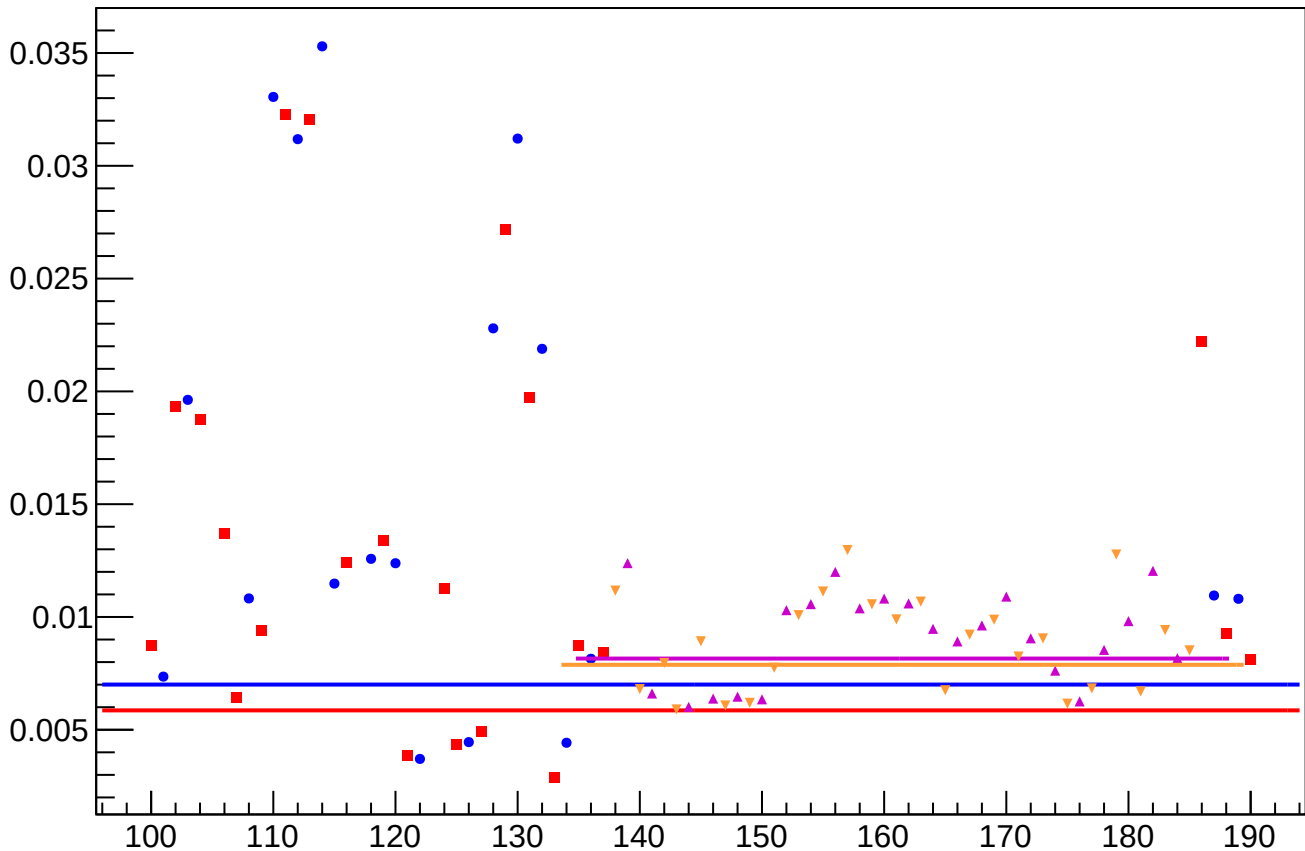
Left In: 0.000 ± 0.000 χ^2/NDF : 20.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 70.6/42

All: 0.000 ± 0.000 χ^2/NDF : 108.6/87

- sign 0.000 ± 0.000 χ^2/NDF : 37.8/44

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007 ± 0.000 $\chi^2/\text{NDF}: 4960340.7/17$

Left Out: 0.008 ± 0.000 $\chi^2/\text{NDF}: 2076596.0/24$

Right Out: 0.006 ± 0.000 $\chi^2/\text{NDF}: 6363192.4/21$

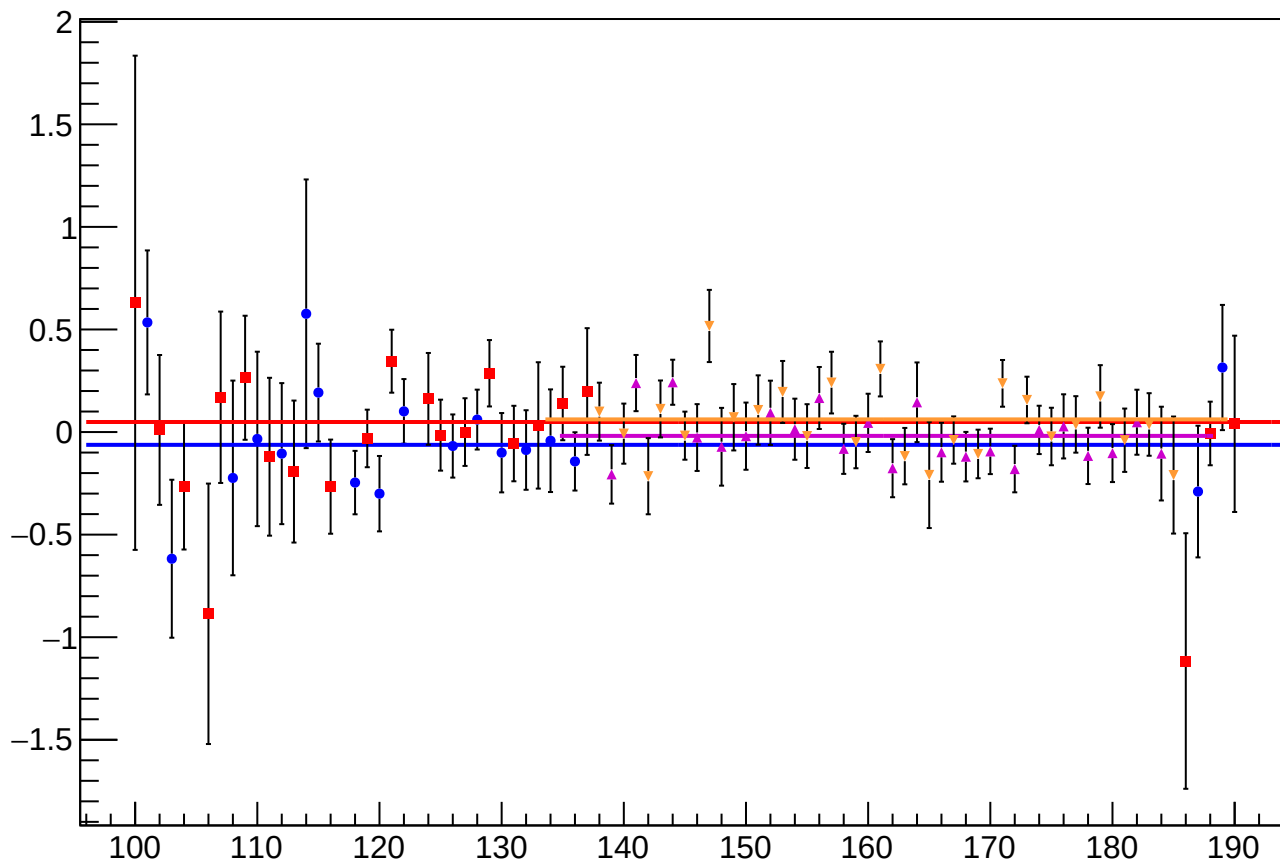
Left In: 0.008 ± 0.000 $\chi^2/\text{NDF}: 2017677.5/22$

+ sign 0.008 ± 0.000 $\chi^2/\text{NDF}: 7157462.4/42$

All: 0.007 ± 0.000 $\chi^2/\text{NDF}: 16657961.0/87$

- sign 0.007 ± 0.000 $\chi^2/\text{NDF}: 9437173.9/44$

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.062 ± 0.050 χ^2/NDF : 14.5/17

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.049 ± 0.049 χ^2/NDF : 17.7/21

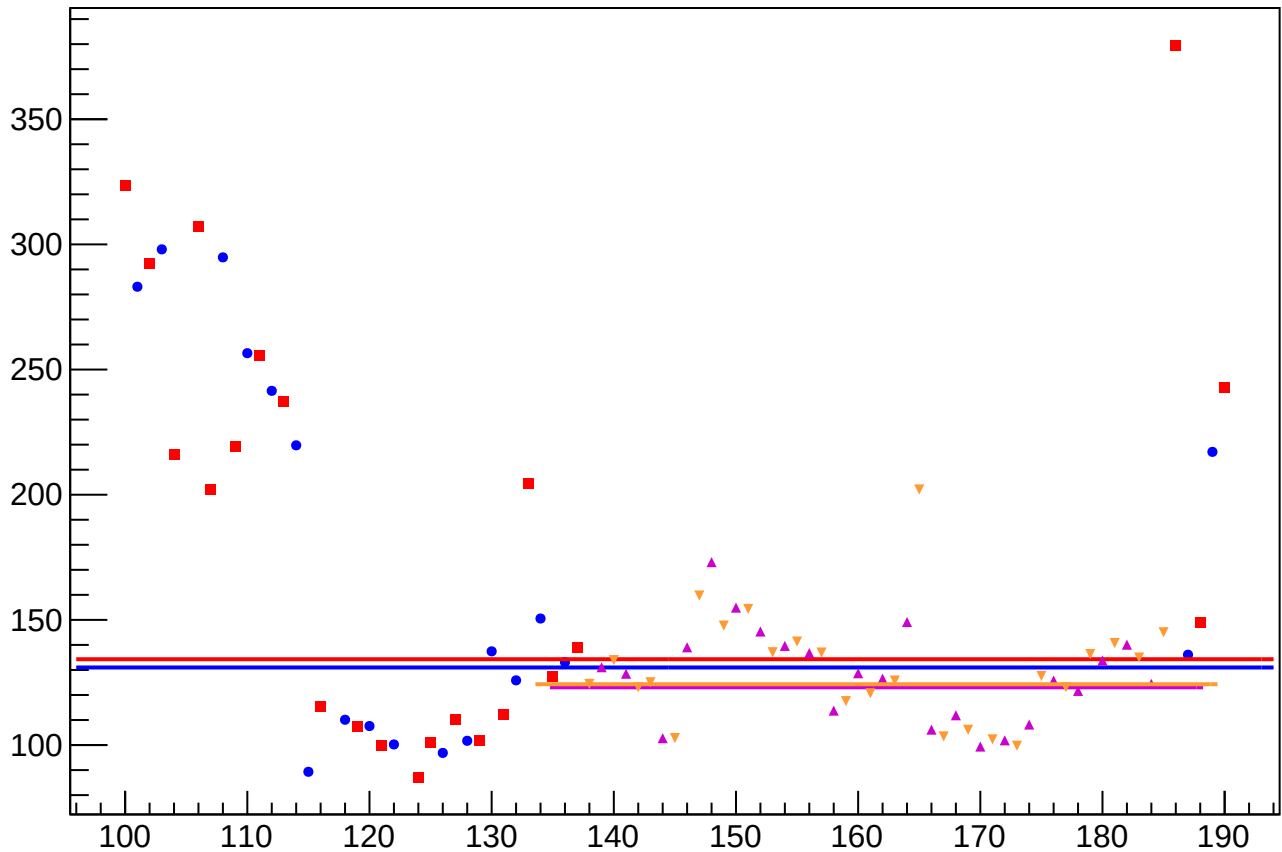
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.031 ± 0.025 χ^2/NDF : 46.5/42

All: 0.015 ± 0.018 χ^2/NDF : 86.8/87

- sign -0.001 ± 0.025 χ^2/NDF : 39.5/44

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 130.988 ± 0.036 $\chi^2/\text{NDF}: 1969952.3/17$

Left Out: 124.292 ± 0.020 $\chi^2/\text{NDF}: 841035.9/24$

+ sign 125.929 ± 0.018 $\chi^2/\text{NDF}: 2837654.0/42$

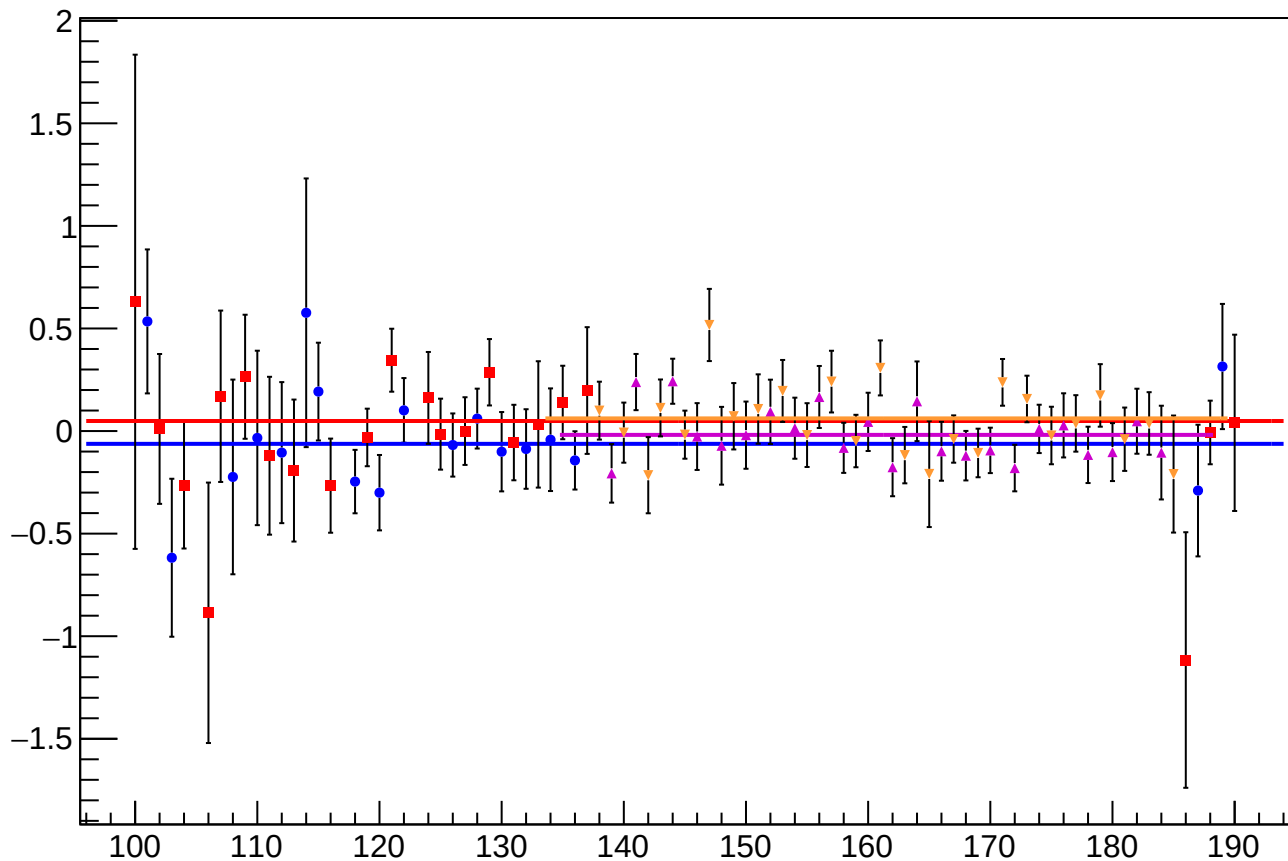
Right Out: 134.294 ± 0.034 $\chi^2/\text{NDF}: 2361927.9/21$

All: 125.998 ± 0.013 $\chi^2/\text{NDF}: 5996968.2/87$

- sign 126.068 ± 0.018 $\chi^2/\text{NDF}: 3159283.3/44$

Left In: 123.062 ± 0.021 $\chi^2/\text{NDF}: 718844.3/22$

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.062 ± 0.050 χ^2/NDF : 14.5/17

Left Out: 0.062 ± 0.029 χ^2/NDF : 27.4/24

Right Out: 0.049 ± 0.049 χ^2/NDF : 17.7/21

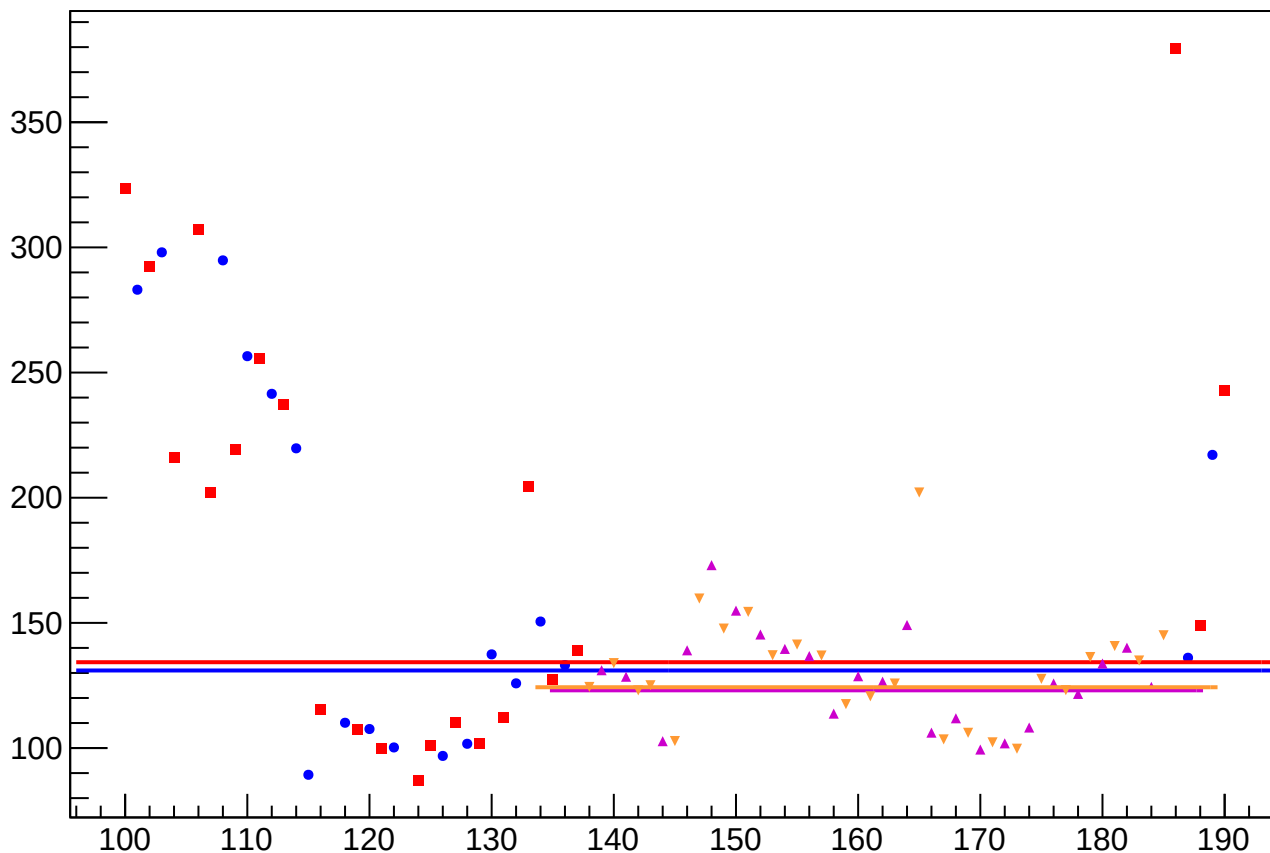
Left In: -0.019 ± 0.029 χ^2/NDF : 20.3/22

+ sign 0.031 ± 0.025 χ^2/NDF : 46.5/42

All: 0.015 ± 0.018 χ^2/NDF : 86.8/87

- sign -0.001 ± 0.025 χ^2/NDF : 39.5/44

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 130.988 $\pm$ 0.036 χ^2 /NDF: 1969952.3/17

Left Out: 124.292 $\pm$ 0.020 χ^2 /NDF: 841035.9/24

Right Out: 134.294 $\pm$ 0.034 χ^2 /NDF: 2361927.9/21

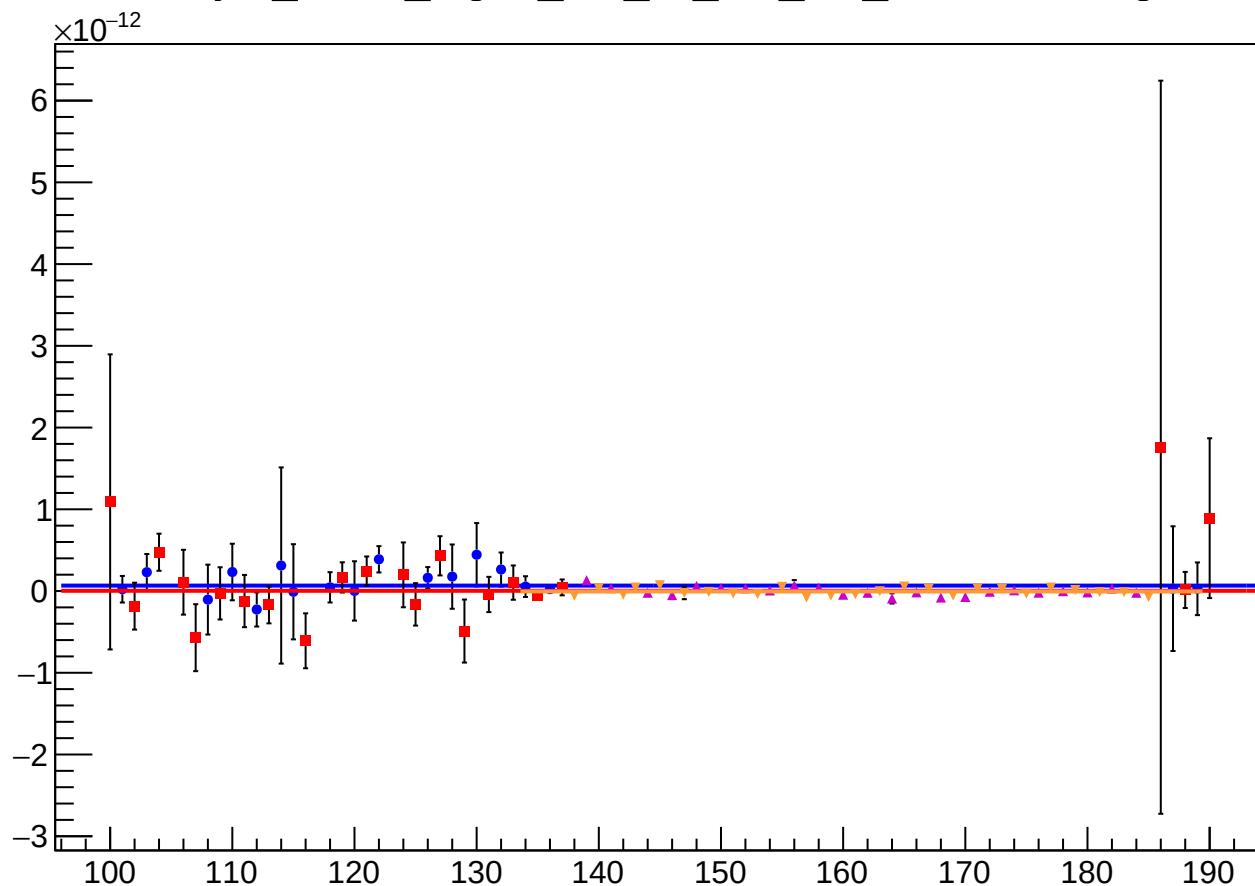
Left In: 123.062 $\pm$ 0.021 χ^2 /NDF: 718844.3/22

+ sign 125.929 $\pm$ 0.018 χ^2 /NDF: 2837654.0/42

All: 125.998 $\pm$ 0.013 χ^2 /NDF: 5996968.2/87

- sign 126.068 $\pm$ 0.018 χ^2 /NDF: 3159283.3/44

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10.4/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.6/21

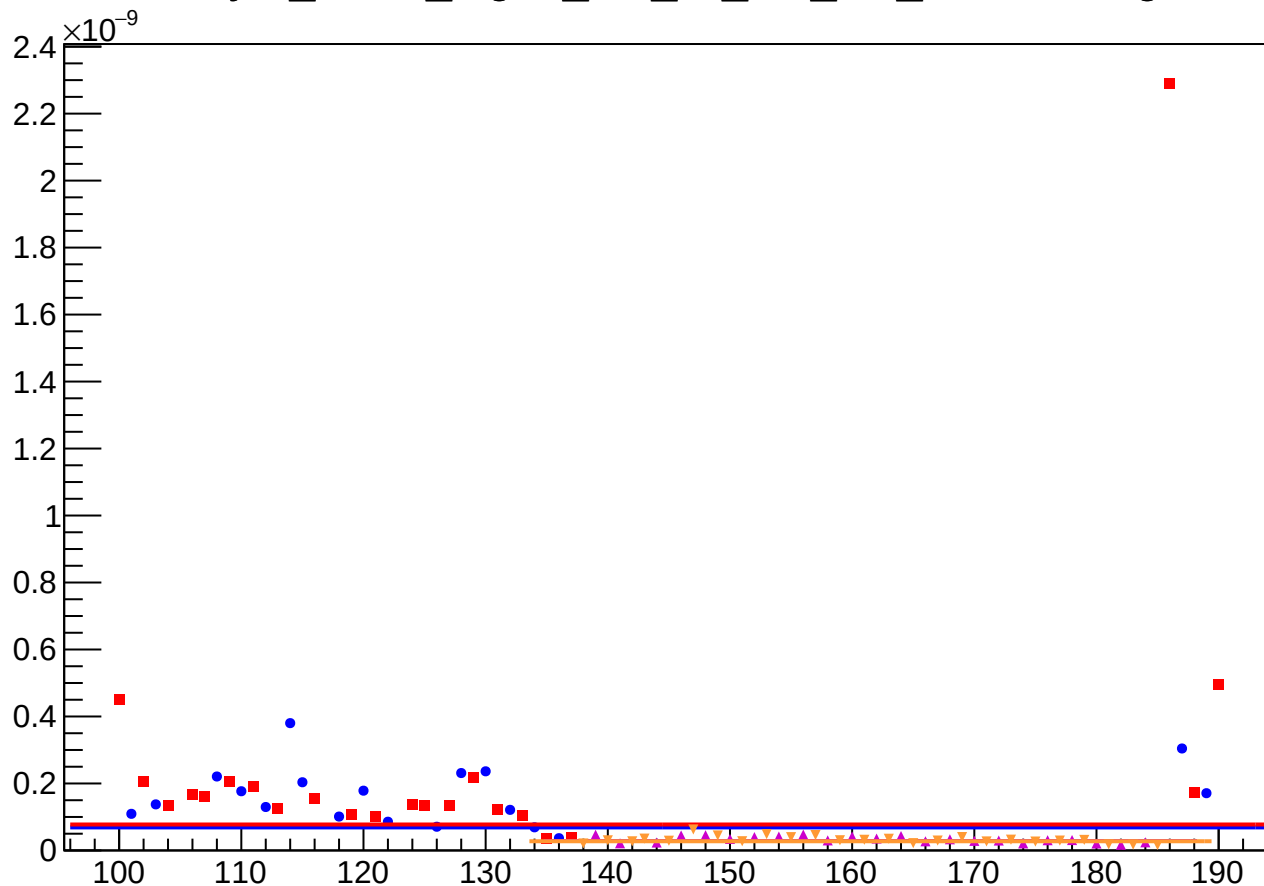
Left In: 0.000 ± 0.000 χ^2/NDF : 24.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 38.7/42

All: -0.000 ± 0.000 χ^2/NDF : 85.0/87

- sign 0.000 ± 0.000 χ^2/NDF : 46.3/44

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3577461.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4896756.6/21

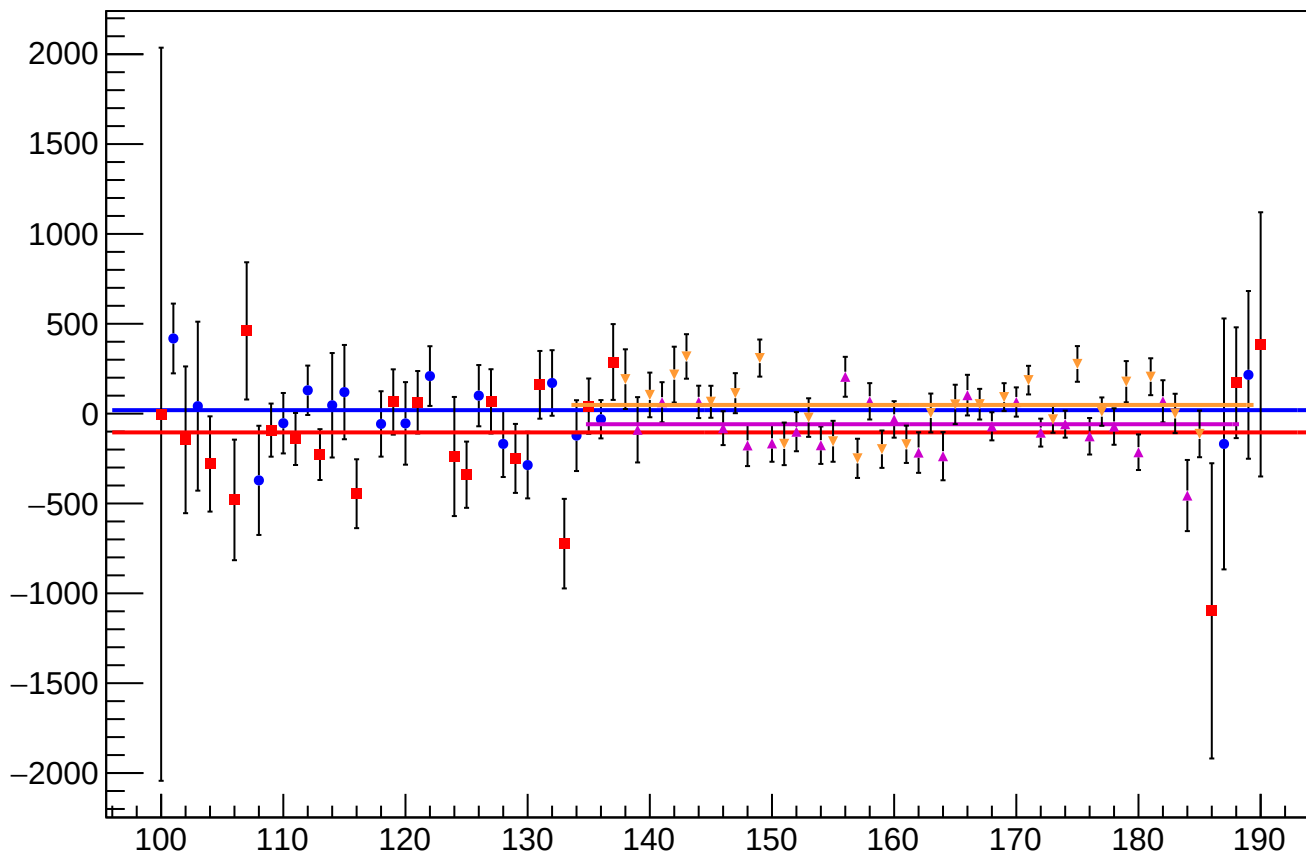
Left In: 0.000+/-0.000 χ^2/NDF : 2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 8509959.0/42

All: 0.000+/-0.000 χ^2/NDF : 18704054.9/87

- sign 0.000+/-0.000 χ^2/NDF : 10179015.4/44

reg_asym_sam3_mean vs Slug



Right In: 19.282 ± 45.390 $\chi^2/\text{NDF}: 14.1/17$

Left Out: 48.392 ± 20.423 $\chi^2/\text{NDF}: 53.6/24$

Right Out: -104.509 ± 45.172 $\chi^2/\text{NDF}: 28.2/21$

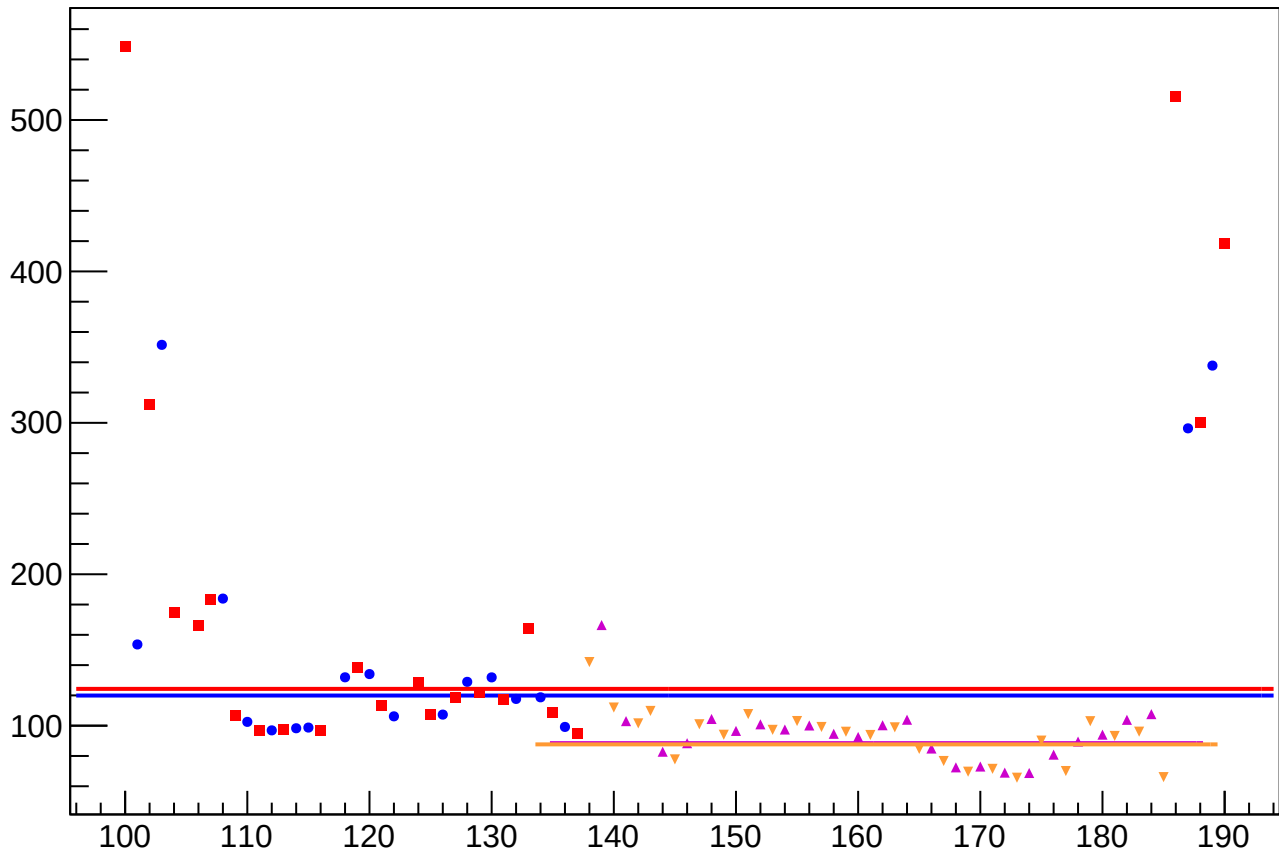
Left In: -59.014 ± 21.156 $\chi^2/\text{NDF}: 30.6/22$

+ sign 43.491 ± 18.625 $\chi^2/\text{NDF}: 68.0/42$

All: -10.288 ± 13.354 $\chi^2/\text{NDF}: 144.8/87$

- sign -67.198 ± 19.159 $\chi^2/\text{NDF}: 59.6/44$

reg_asym_sam3_rms vs Slug



Right In: 119.908 $\pm$ 0.032 χ^2 /NDF: 1429890.0/17

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 124.308 $\pm$ 0.032 χ^2 /NDF: 2454346.2/21

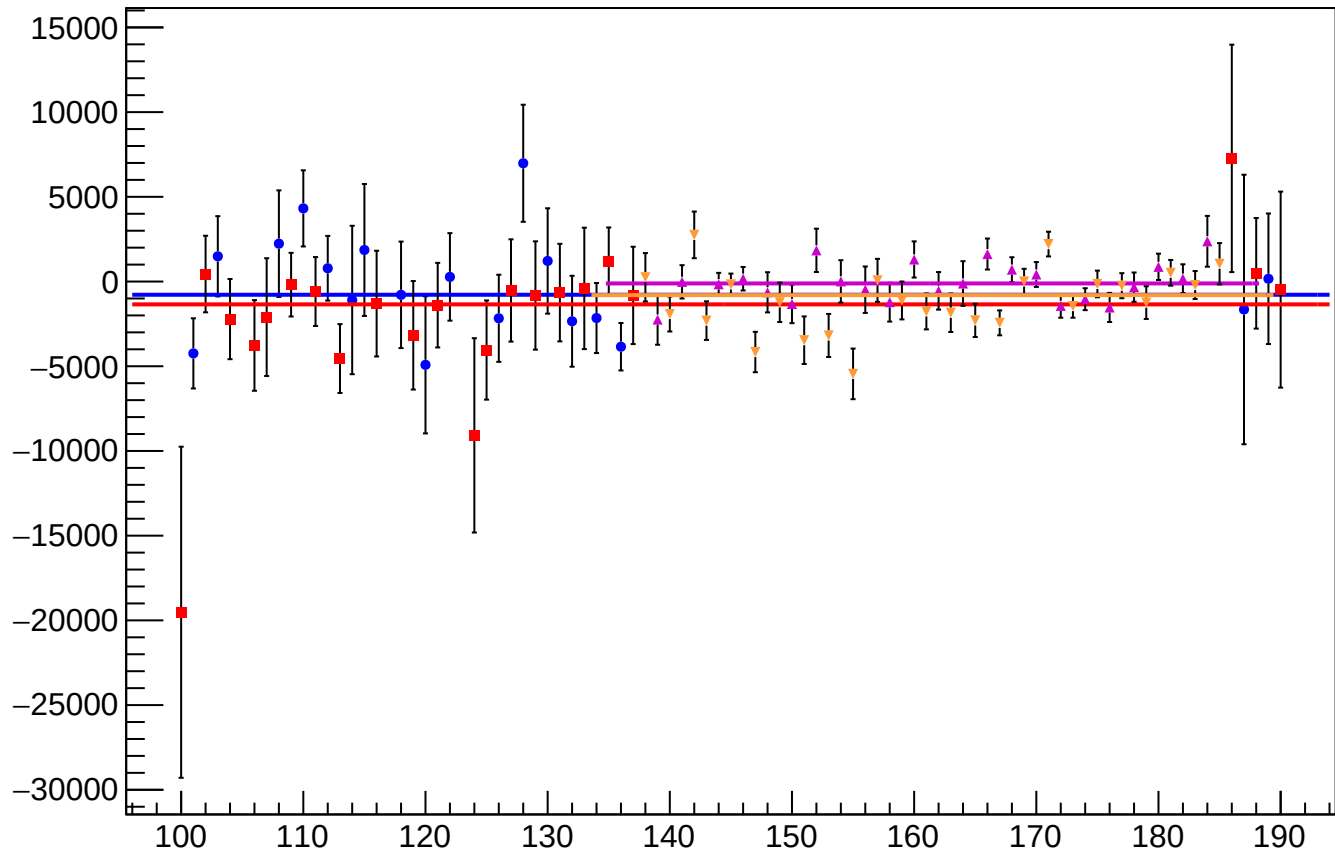
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 93.086 $\pm$ 0.013 χ^2 /NDF: 3482958.6/42

All: 93.981 $\pm$ 0.009 χ^2 /NDF: 8054190.2/87

- sign 94.927 $\pm$ 0.014 χ^2 /NDF: 4561736.7/44

asym_sam3_reg_correction_mean vs Slug



Right In: -780.259 ± 606.516 χ^2/NDF : 23.5/17

Left Out: -801.506 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -1347.540 ± 596.944 χ^2/NDF : 14.9/21

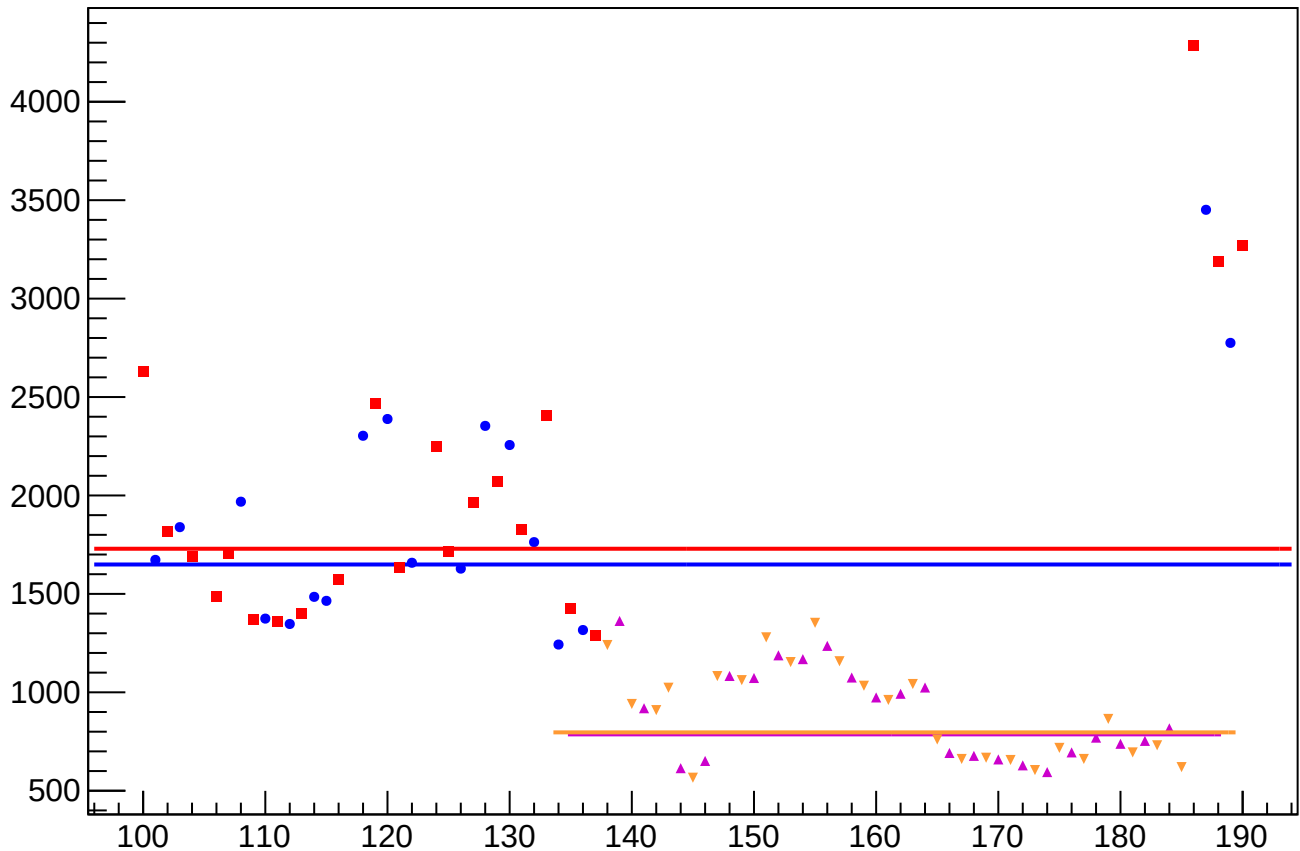
Left In: -112.483 ± 190.269 χ^2/NDF : 27.1/22

+ sign -799.648 ± 179.358 χ^2/NDF : 95.4/42

All: -516.078 ± 127.501 χ^2/NDF : 146.4/87

- sign -226.386 ± 181.283 χ^2/NDF : 45.9/44

asym_sam3_reg_correction_rms vs Slug



Right In: 1649.353 $\pm$ 0.429 χ^2 /NDF: 900684.8/17

Left Out: 796.524 $\pm$ 0.133 χ^2 /NDF: 2417872.0/24

Right Out: 1729.346 $\pm$ 0.422 χ^2 /NDF: 1394951.2/21

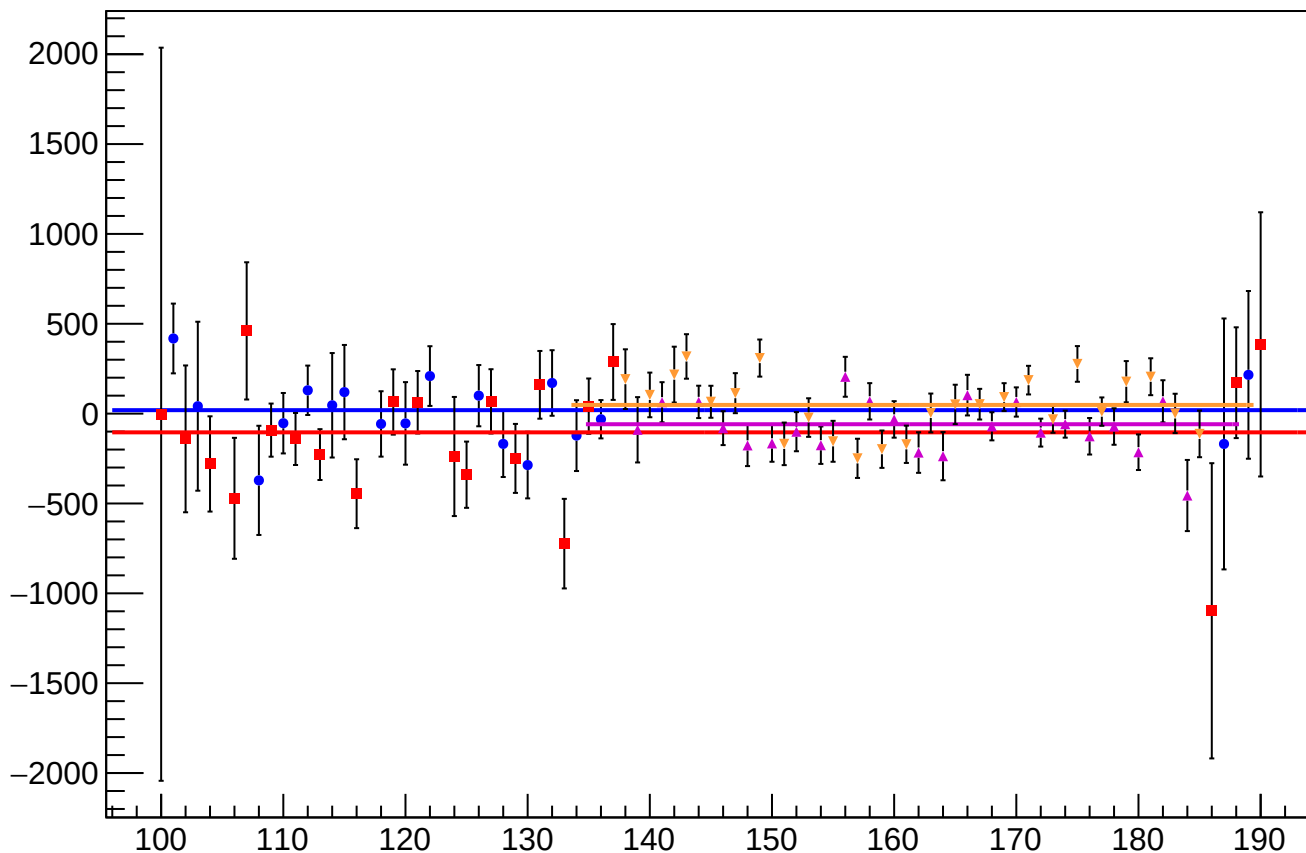
Left In: 786.336 $\pm$ 0.135 χ^2 /NDF: 2156583.9/22

+ sign 871.103 $\pm$ 0.127 χ^2 /NDF: 6927062.5/42

All: 872.192 $\pm$ 0.090 χ^2 /NDF: 15009529.8/87

- sign 873.305 $\pm$ 0.128 χ^2 /NDF: 8082318.2/44

cor_asym_sam3_mean vs Slug



Right In: 19.269 $\pm$ 45.390 χ^2 /NDF: 14.1/17

Left Out: 48.399 $\pm$ 20.423 χ^2 /NDF: 53.6/24

Right Out: -104.232 $\pm$ 45.175 χ^2 /NDF: 28.1/21

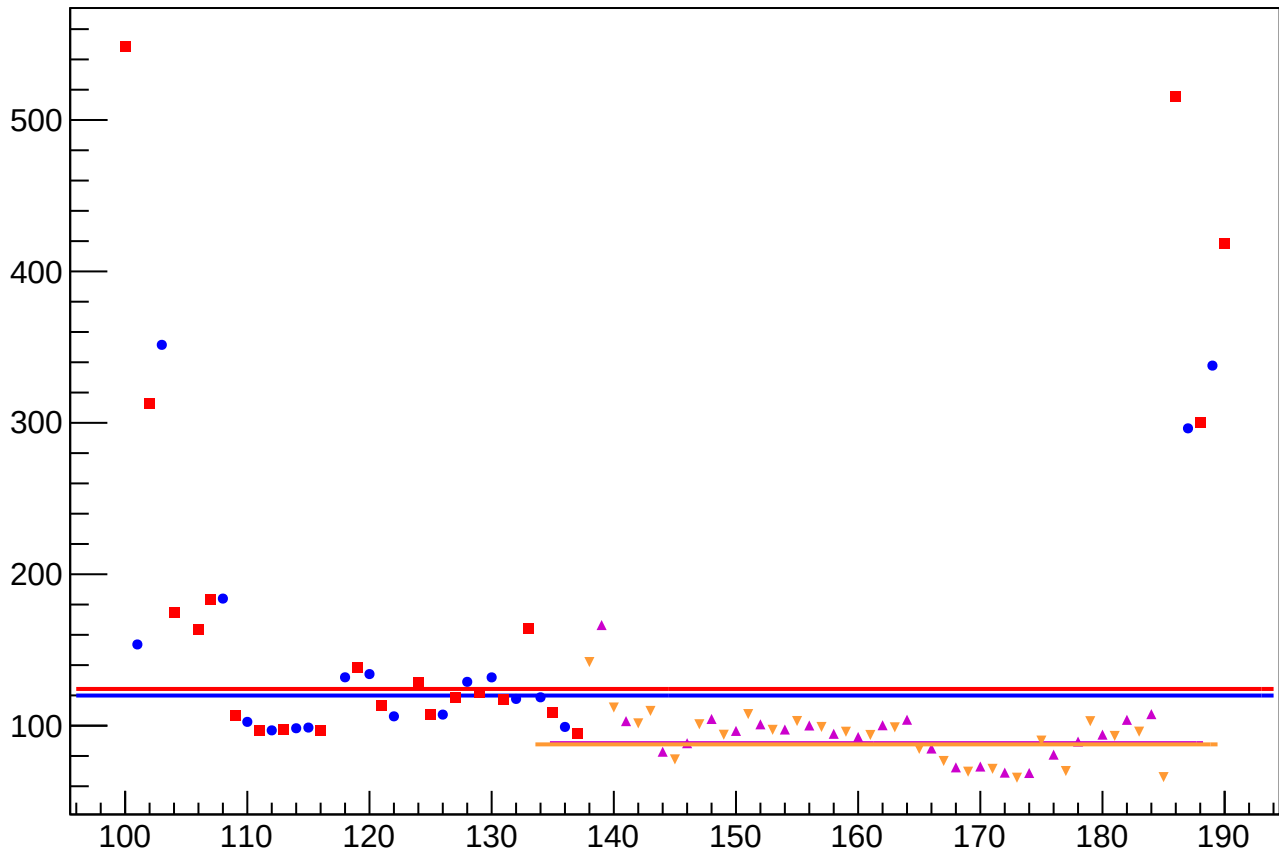
Left In: -59.016 $\pm$ 21.156 χ^2 /NDF: 30.6/22

+ sign 43.495 $\pm$ 18.625 χ^2 /NDF: 68.0/42

All: -10.262 $\pm$ 13.355 χ^2 /NDF: 144.7/87

- sign -67.149 $\pm$ 19.159 χ^2 /NDF: 59.6/44

cor_asym_sam3_rms vs Slug



Right In: 119.908 $\pm$ 0.032 χ^2 /NDF: 1429892.1/17

Left Out: 87.656 $\pm$ 0.014 χ^2 /NDF:1213284.3/24

Right Out: 124.259 $\pm$ 0.032 χ^2 /NDF: 2450763.9/21

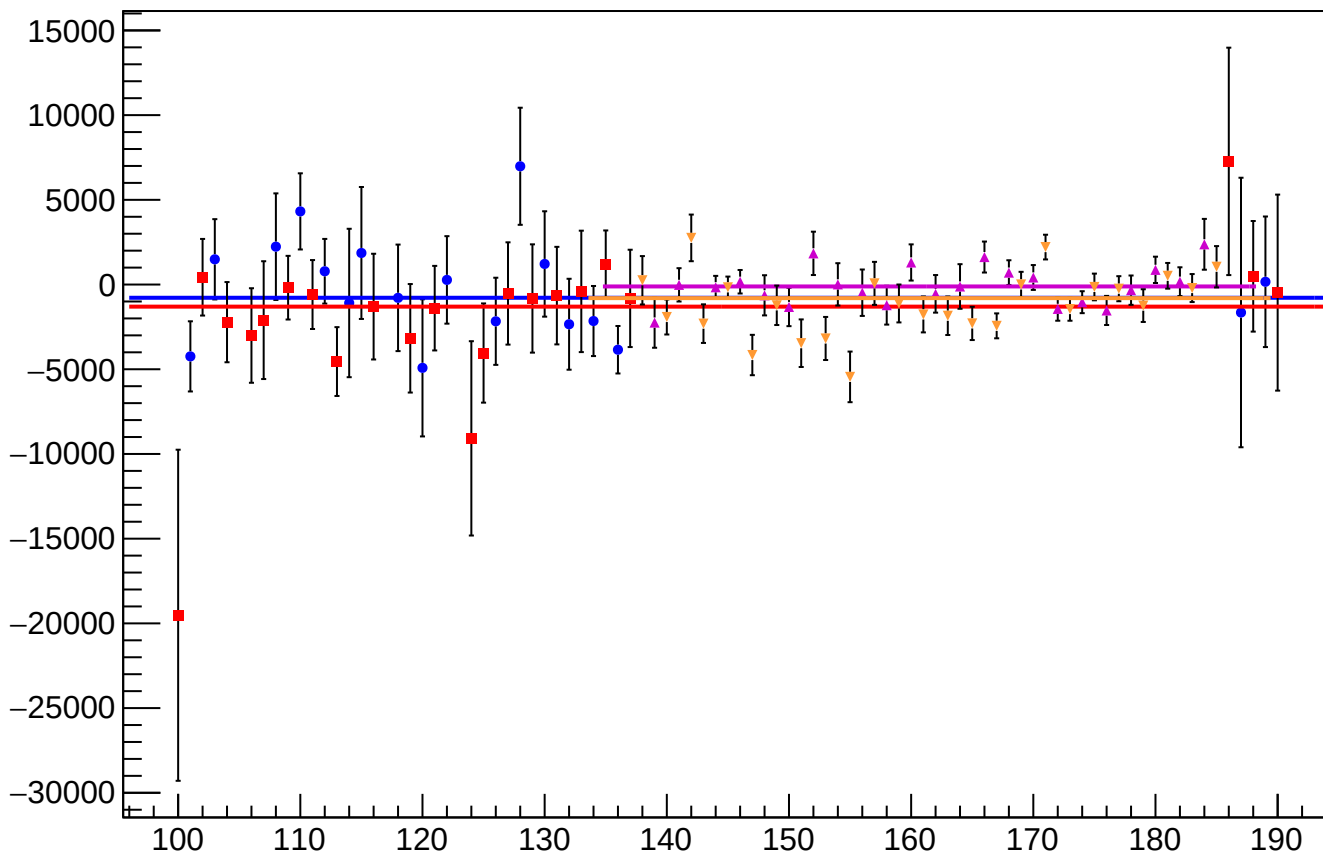
Left In: 88.482 $\pm$ 0.015 χ^2 /NDF:1075689.1/22

+ sign 93.086 $\pm$ 0.013 χ^2 /NDF: 3482960.1/42

All: 93.976 $\pm$ 0.009 χ^2 /NDF: 8047552.6/87

- sign 94.917 $\pm$ 0.014 χ^2 /NDF: 4555196.3/44

asym_sam3_cor_correction_mean vs Slug



Right In: -780.242 ± 606.520 χ^2/NDF : 23.5/17

Left Out: -801.499 ± 187.755 χ^2/NDF : 71.9/24

Right Out: -1303.835 ± 598.186 χ^2/NDF : 14.5/21

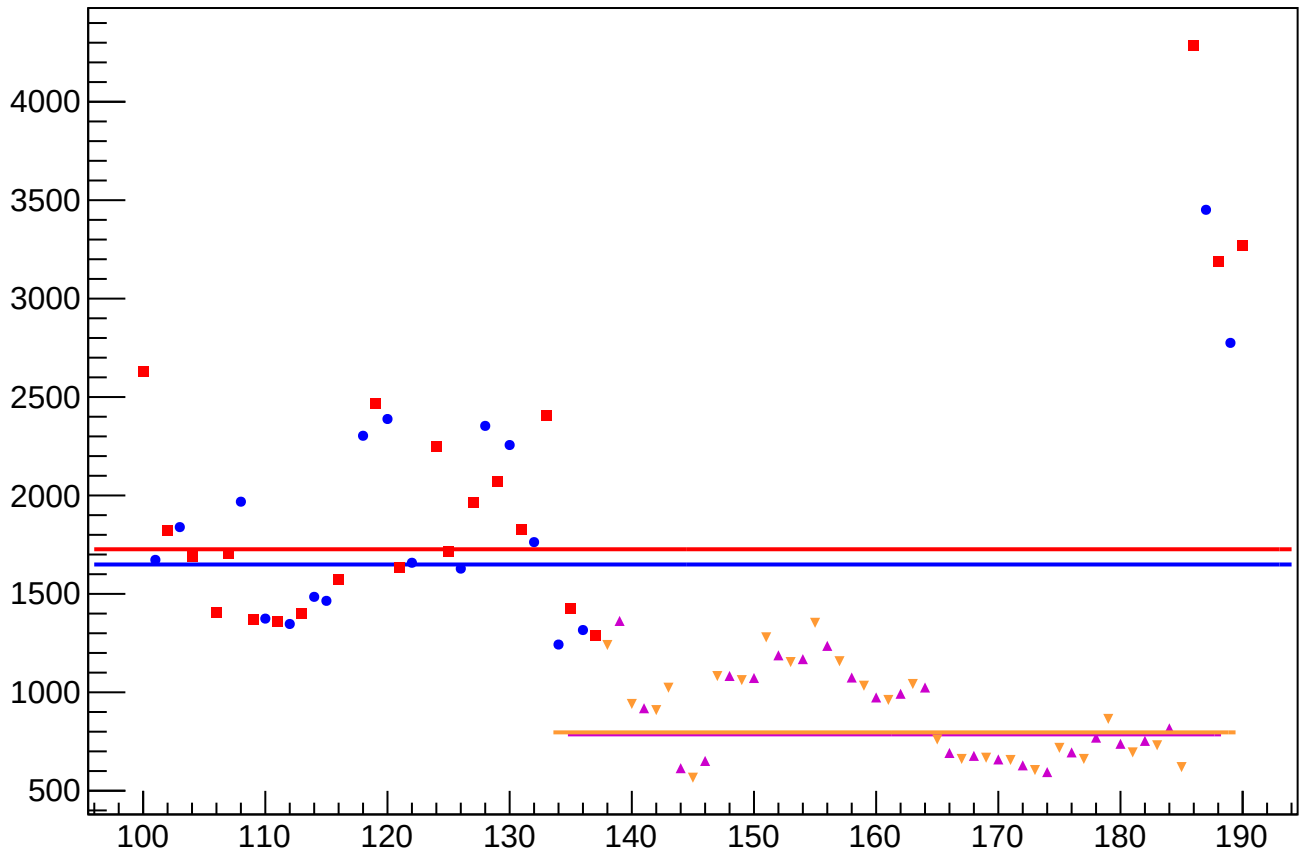
Left In: -112.485 ± 190.269 χ^2/NDF : 27.1/22

+ sign -799.640 ± 179.358 χ^2/NDF : 95.4/42

All: -513.931 ± 127.513 χ^2/NDF : 145.7/87

- sign -221.943 ± 181.318 χ^2/NDF : 45.1/44

asym_sam3_cor_correction_rms vs Slug



Right In: 1649.363 $\pm$ 0.429 χ^2 /NDF: 900710.4/17

Left Out: 796.523 $\pm$ 0.133 χ^2 /NDF: 2417869.7/24

+ sign 871.103 $\pm$ 0.127 χ^2 /NDF: 6927121.0/42

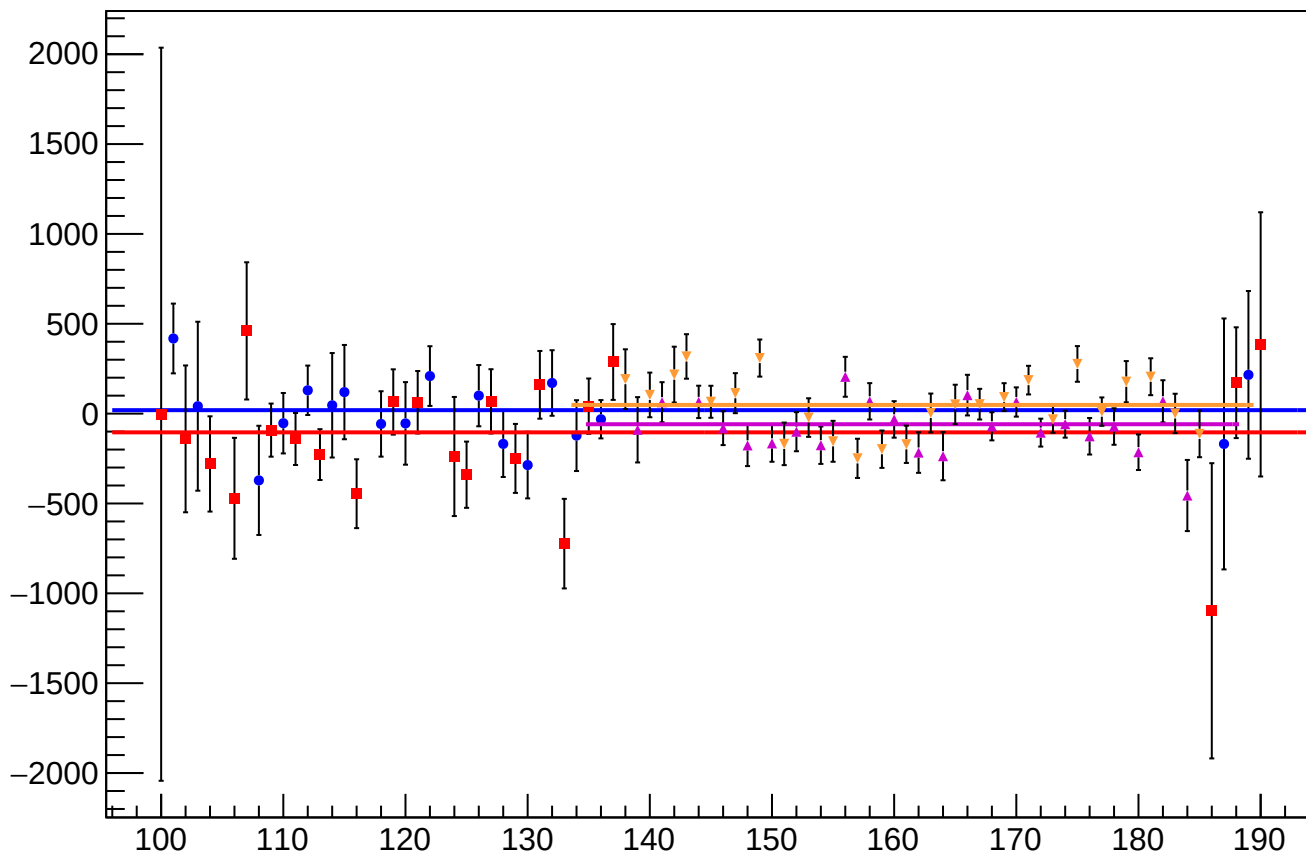
Right Out: 1726.693 $\pm$ 0.423 χ^2 /NDF: 1405455.1/21

All: 871.909 $\pm$ 0.090 χ^2 /NDF: 14977591.2/87

Left In: 786.336 $\pm$ 0.135 χ^2 /NDF: 2156582.1/22

- sign 872.734 $\pm$ 0.128 χ^2 /NDF: 8050388.4/44

eigen_cor_asym_sam3_mean vs Slug



Right In: 19.269 $\pm$ 45.390 χ^2 /NDF: 14.1/17

Left Out: 48.399 $\pm$ 20.423 χ^2 /NDF: 53.6/24

Right Out: -104.232 $\pm$ 45.175 χ^2 /NDF: 28.1/21

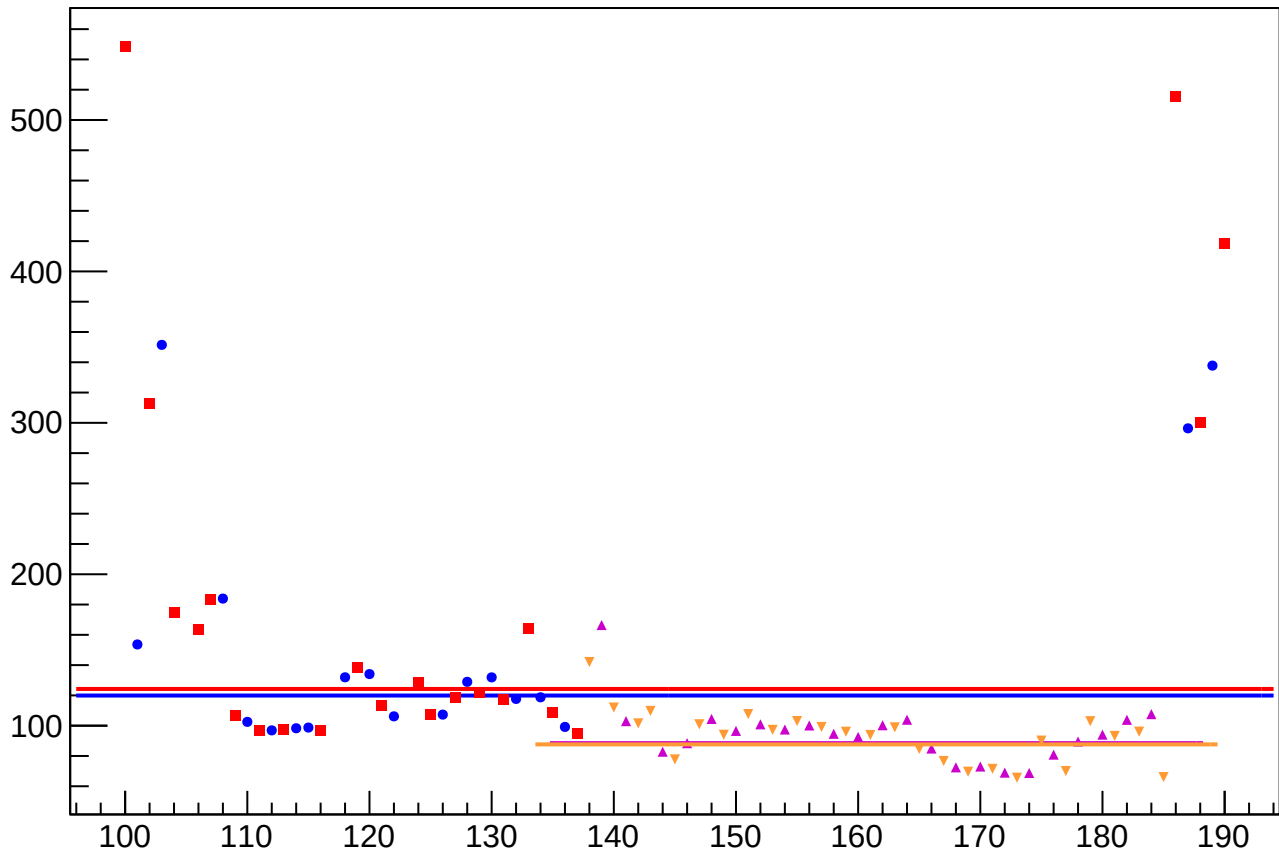
Left In: -59.016 $\pm$ 21.156 χ^2 /NDF: 30.6/22

+ sign 43.495 $\pm$ 18.625 χ^2 /NDF: 68.0/42

All: -10.262 $\pm$ 13.355 χ^2 /NDF: 144.7/87

- sign -67.149 $\pm$ 19.159 χ^2 /NDF: 59.6/44

eigen_cor_asym_sam3_rms vs Slug



Right In: 119.908 $\pm$ 0.032 χ^2/NDF : 1429892.1/17

Left Out: 87.656 $\pm$ 0.014 χ^2/NDF :1213284.3/24

Right Out: 124.259 $\pm$ 0.032 χ^2/NDF : 2450763.9/21

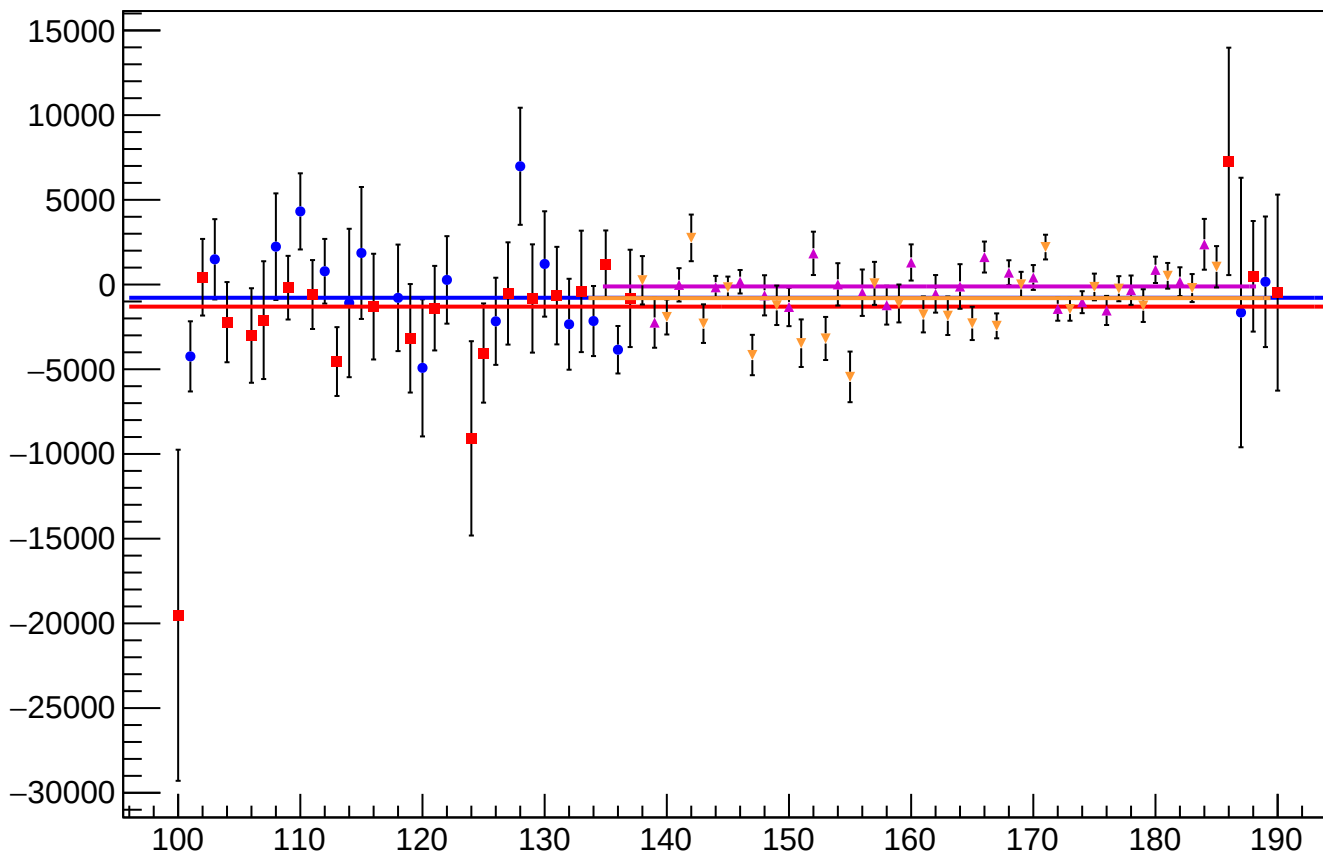
Left In: 88.482 $\pm$ 0.015 χ^2/NDF :1075689.1/22

+ sign 93.086 $\pm$ 0.013 χ^2/NDF : 3482960.1/42

All: 93.976 $\pm$ 0.009 χ^2/NDF : 8047552.6/87

- sign 94.917 $\pm$ 0.014 χ^2/NDF : 4555196.3/44

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -780.242 $\pm$ 606.520 χ^2 /NDF: 23.5/17

Left Out: -801.499 $\pm$ 187.755 χ^2 /NDF:71.9/24

Right Out: -1303.835 $\pm$ 598.186 χ^2 /NDF: 14.5/21

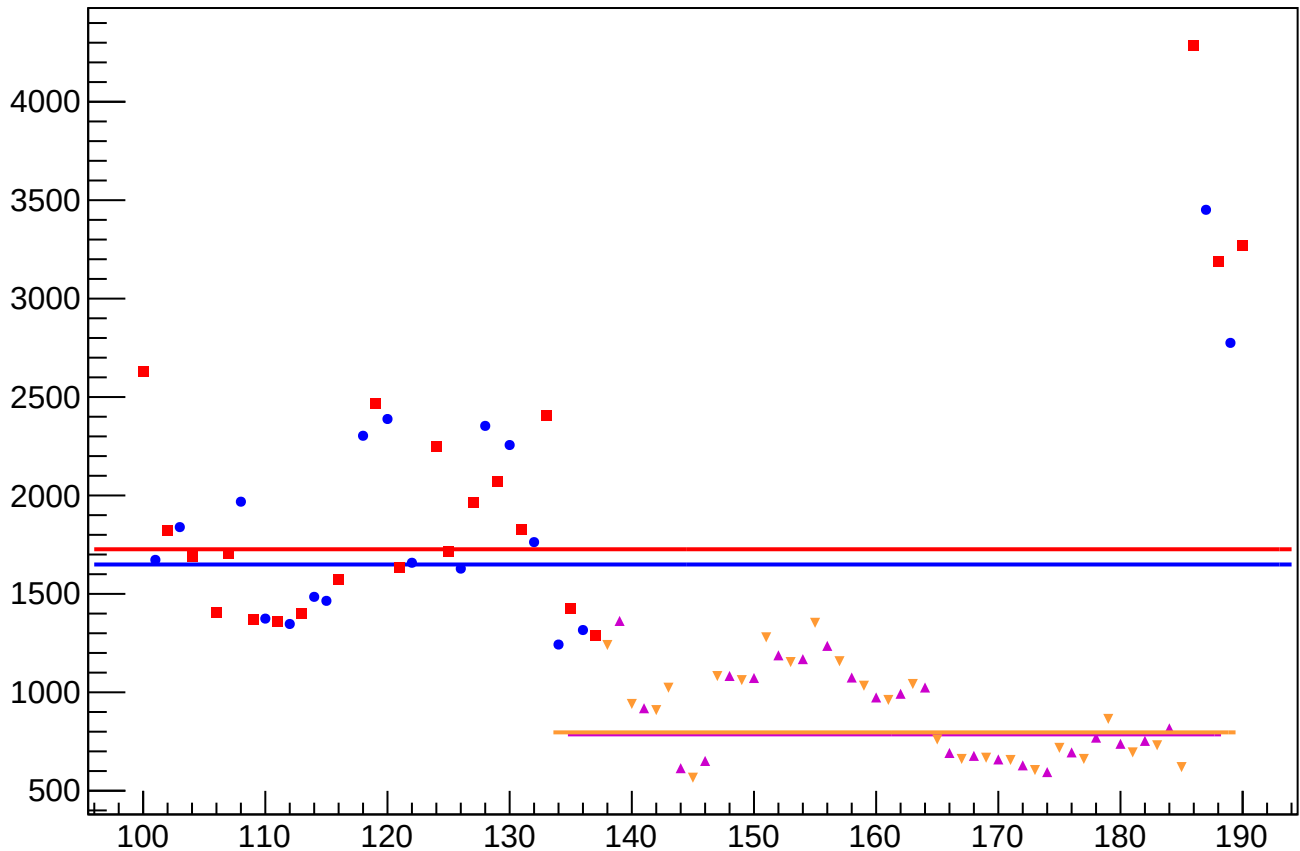
Left In: -112.485 $\pm$ 190.269 χ^2 /NDF:27.1/22

+ sign -799.640 $\pm$ 179.358 χ^2 /NDF: 95.4/42

All: -513.931 $\pm$ 127.513 χ^2 /NDF: 145.7/87

- sign -221.943 $\pm$ 181.318 χ^2 /NDF: 45.1/44

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1649.363 $\pm$ 0.429 χ^2 /NDF: 900710.4/17

Left Out: 796.523 $\pm$ 0.133 χ^2 /NDF: 2417869.7/24

Right Out: 1726.693 $\pm$ 0.423 χ^2 /NDF: 1405455.1/21

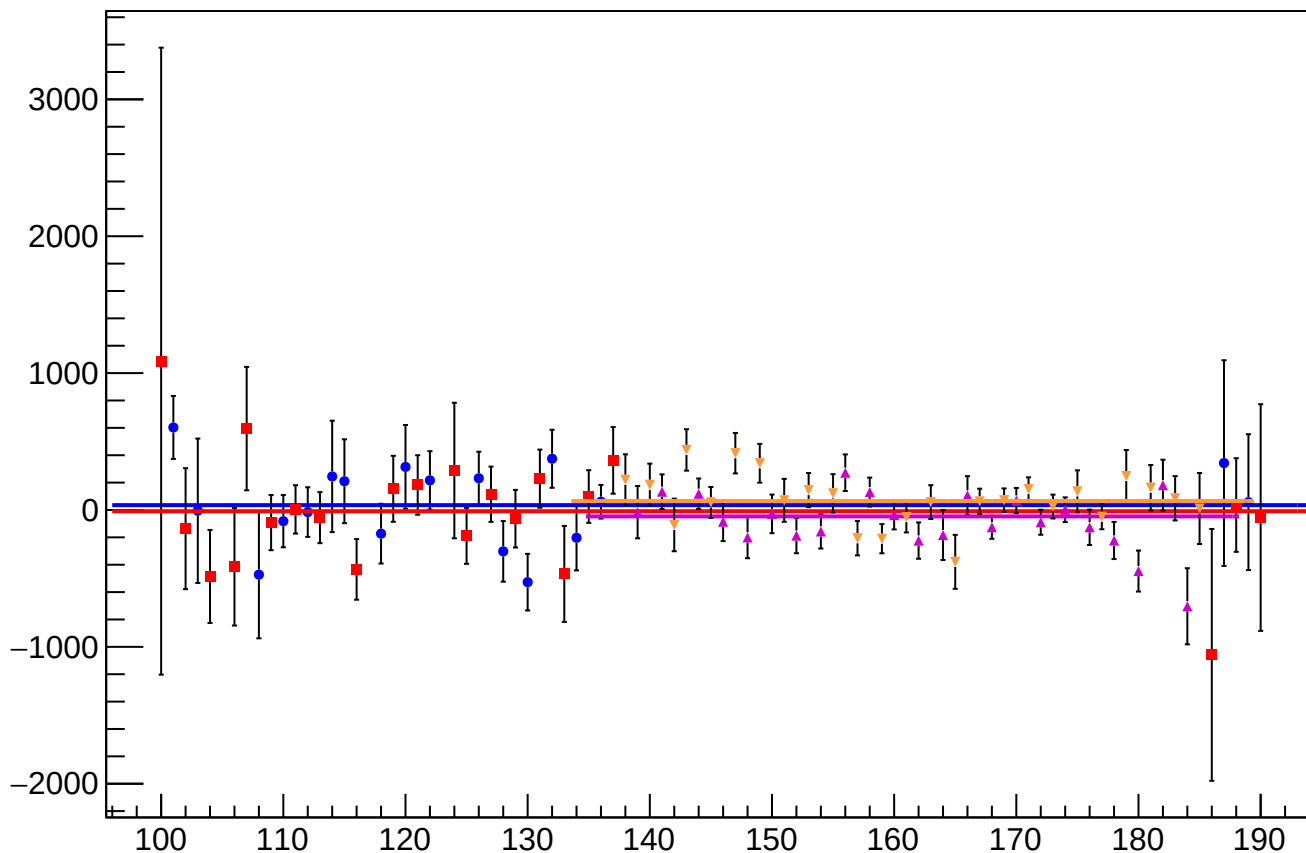
Left In: 786.336 $\pm$ 0.135 χ^2 /NDF: 2156582.1/22

+ sign 871.103 $\pm$ 0.127 χ^2 /NDF: 6927121.0/42

All: 871.909 $\pm$ 0.090 χ^2 /NDF: 14977591.2/87

- sign 872.734 $\pm$ 0.128 χ^2 /NDF: 8050388.4/44

dit_asym_sam3_mean vs Slug



Right In: 35.380 $\pm$ 54.431 χ^2/NDF : 25.3/17

Left Out: 65.702 $\pm$ 25.059 χ^2/NDF : 40.0/24

Right Out: -9.002 $\pm$ 55.129 χ^2/NDF : 18.6/21

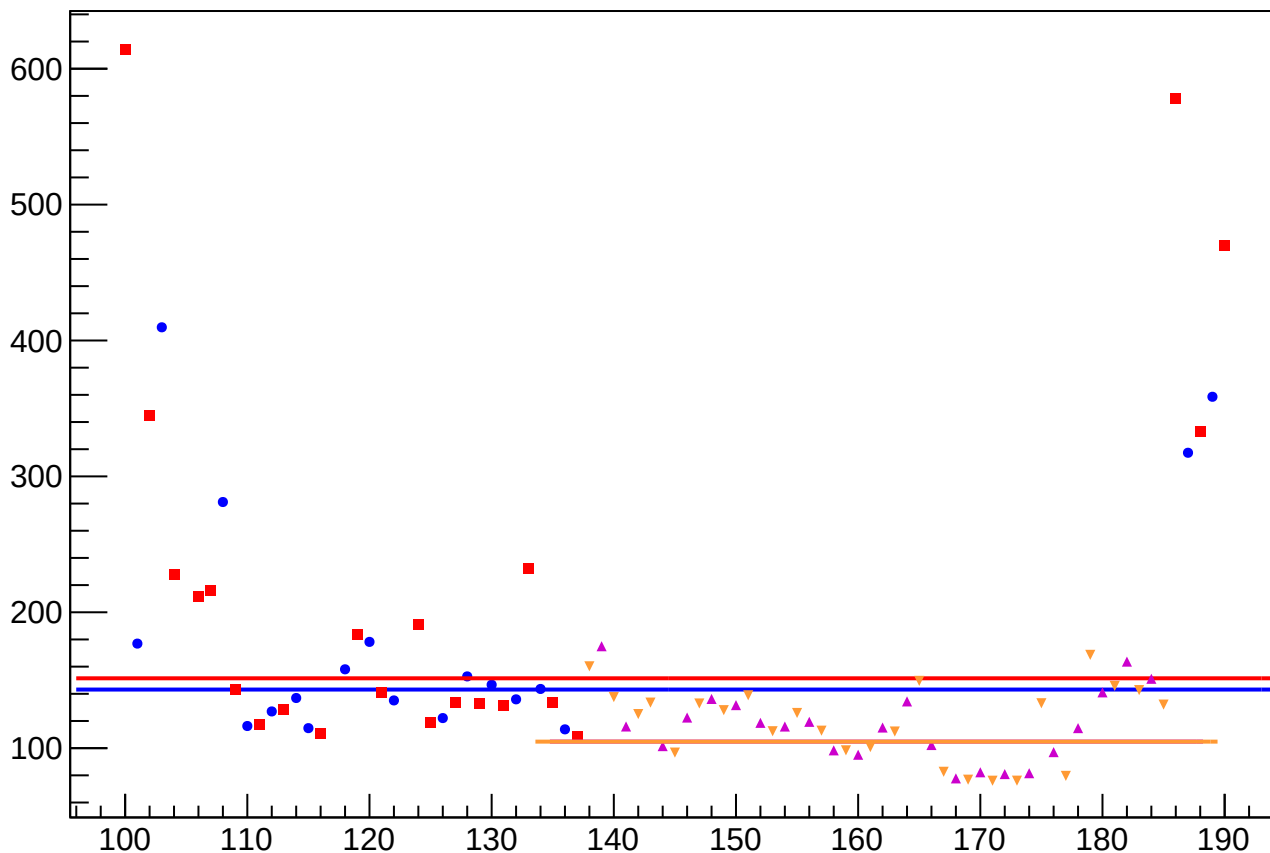
Left In: -47.039 $\pm$ 25.696 χ^2/NDF : 38.6/22

+ sign 60.399 $\pm$ 22.763 χ^2/NDF : 65.6/42

All: 11.227 $\pm$ 16.279 χ^2/NDF : 132.8/87

- sign -40.250 $\pm$ 23.290 χ^2/NDF : 57.7/44

dit_asym_sam3_rms vs Slug



Right In: 143.134 $\pm$ 0.038 χ^2 /NDF: 1469701.6/17

Left Out: 104.810 $\pm$ 0.018 χ^2 /NDF: 2242795.3/24

Right Out: 151.410 $\pm$ 0.039 χ^2 /NDF: 2447200.9/21

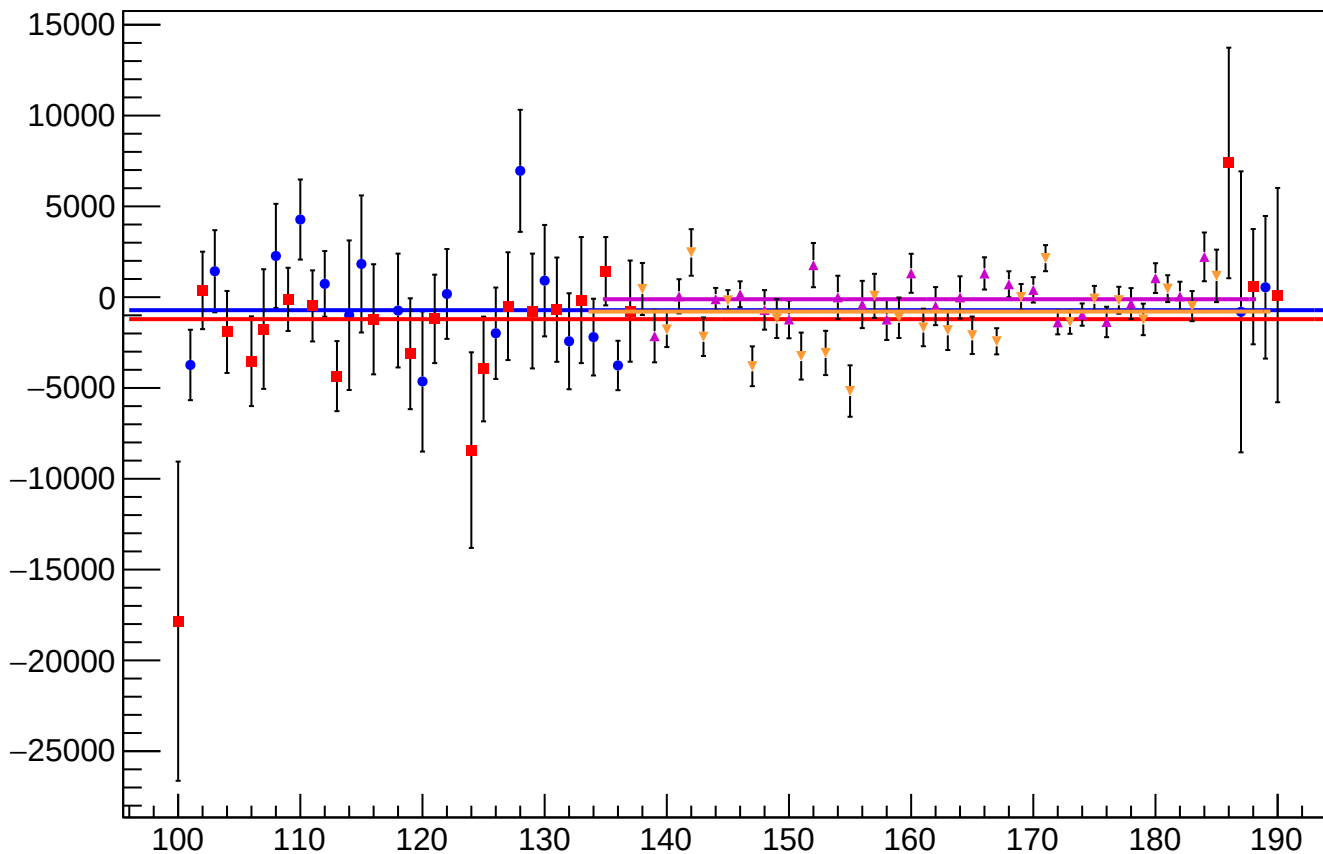
Left In: 104.835 $\pm$ 0.018 χ^2 /NDF: 1614476.5/22

+ sign 111.512 $\pm$ 0.016 χ^2 /NDF: 4530581.0/42

All: 112.311 $\pm$ 0.012 χ^2 /NDF: 9770065.2/87

- sign 113.148 $\pm$ 0.016 χ^2 /NDF: 5234442.1/44

asym_sam3_dit_correction_mean vs Slug



Right In: -716.211+/-587.366 χ^2 /NDF: 23.6/17

Left Out: -793.070+/-179.897 χ^2 /NDF: 70.0/24

Right Out: -1210.634+/-571.033 χ^2 /NDF: 15.8/21

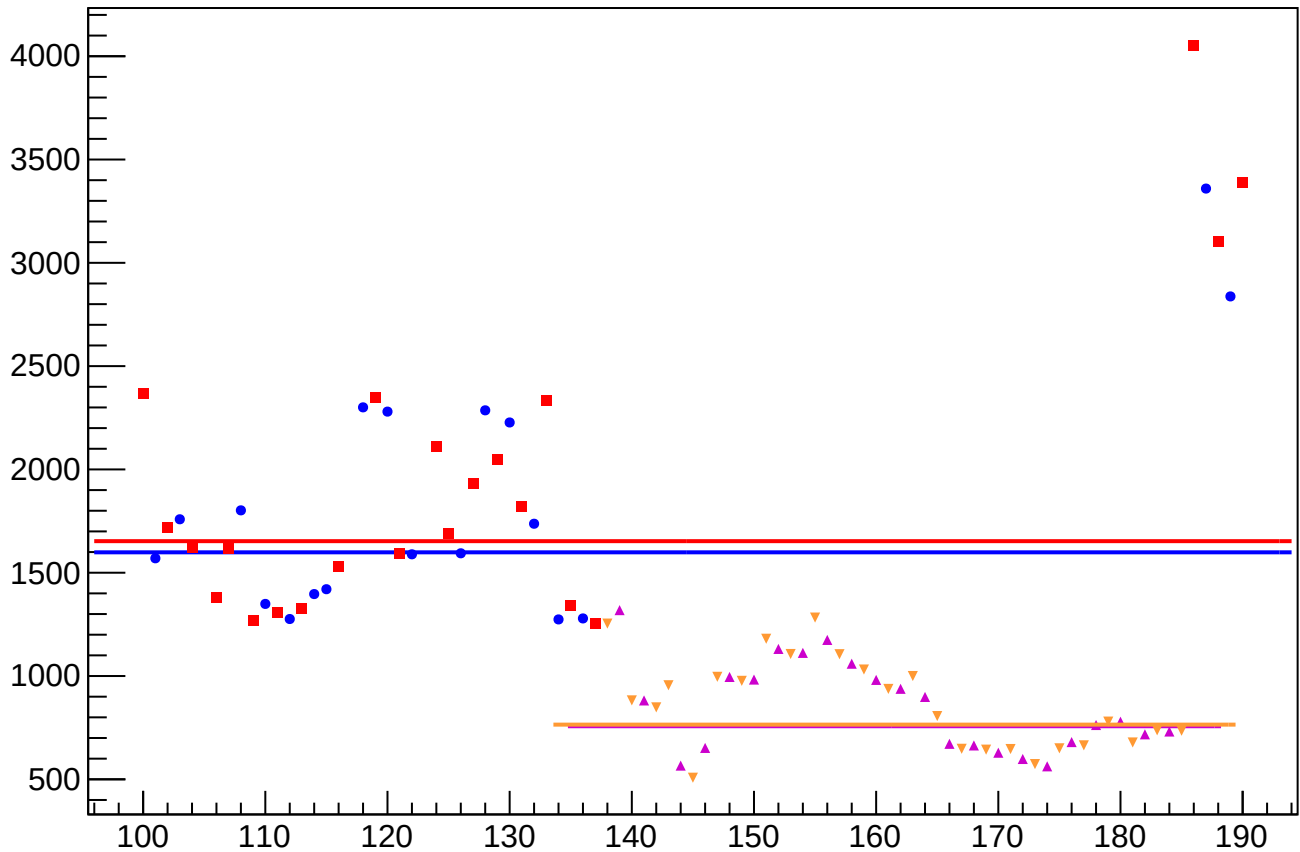
Left In: -113.680+/-183.126 χ^2 /NDF: 26.3/22

+ sign -786.479+/-172.010 χ^2 /NDF: 93.6/42

All: -505.127+/-122.458 χ^2 /NDF: 144.5/87

- sign -215.974+/-174.378 χ^2 /NDF: 45.4/44

asym_sam3_dit_correction_rms vs Slug



Right In: 1598.703 $\pm$ 0.415 χ^2/NDF : 915427.2/17

Left Out: 764.734 $\pm$ 0.127 χ^2/NDF : 2425556.5/24

Right Out: 1652.776 $\pm$ 0.404 χ^2/NDF : 1484909.8/21

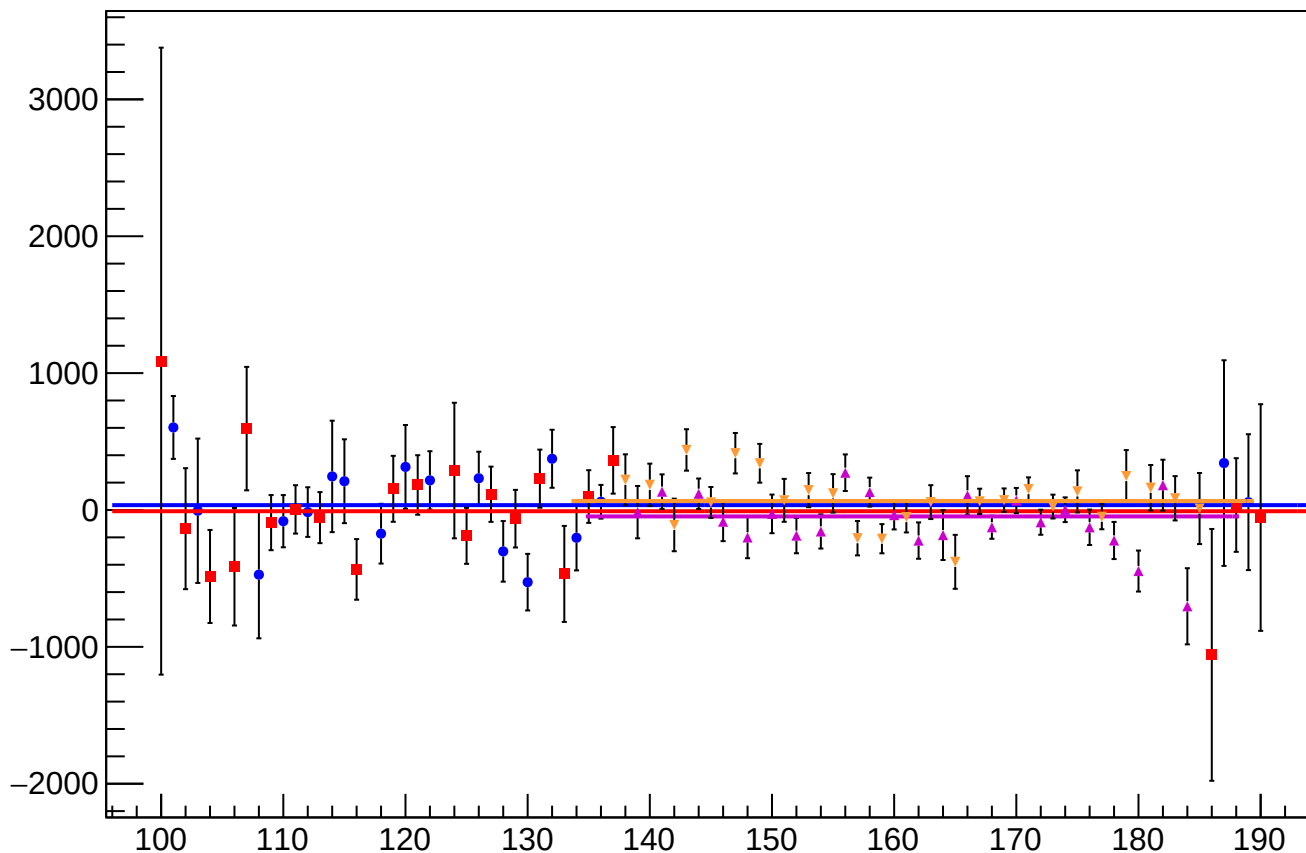
Left In: 756.927 $\pm$ 0.129 χ^2/NDF : 2115280.1/22

+ sign 836.256 $\pm$ 0.122 χ^2/NDF : 7027129.4/42

All: 838.333 $\pm$ 0.087 χ^2/NDF : 15091291.9/87

- sign 840.467 $\pm$ 0.123 χ^2/NDF : 8063571.4/44

eigen_dit_asym_sam3_mean vs Slug



Right In: 35.378 ± 54.431 χ^2/NDF : 25.3/17

Left Out: 65.703 ± 25.059 χ^2/NDF : 40.0/24

Right Out: -8.998 ± 55.129 χ^2/NDF : 18.6/21

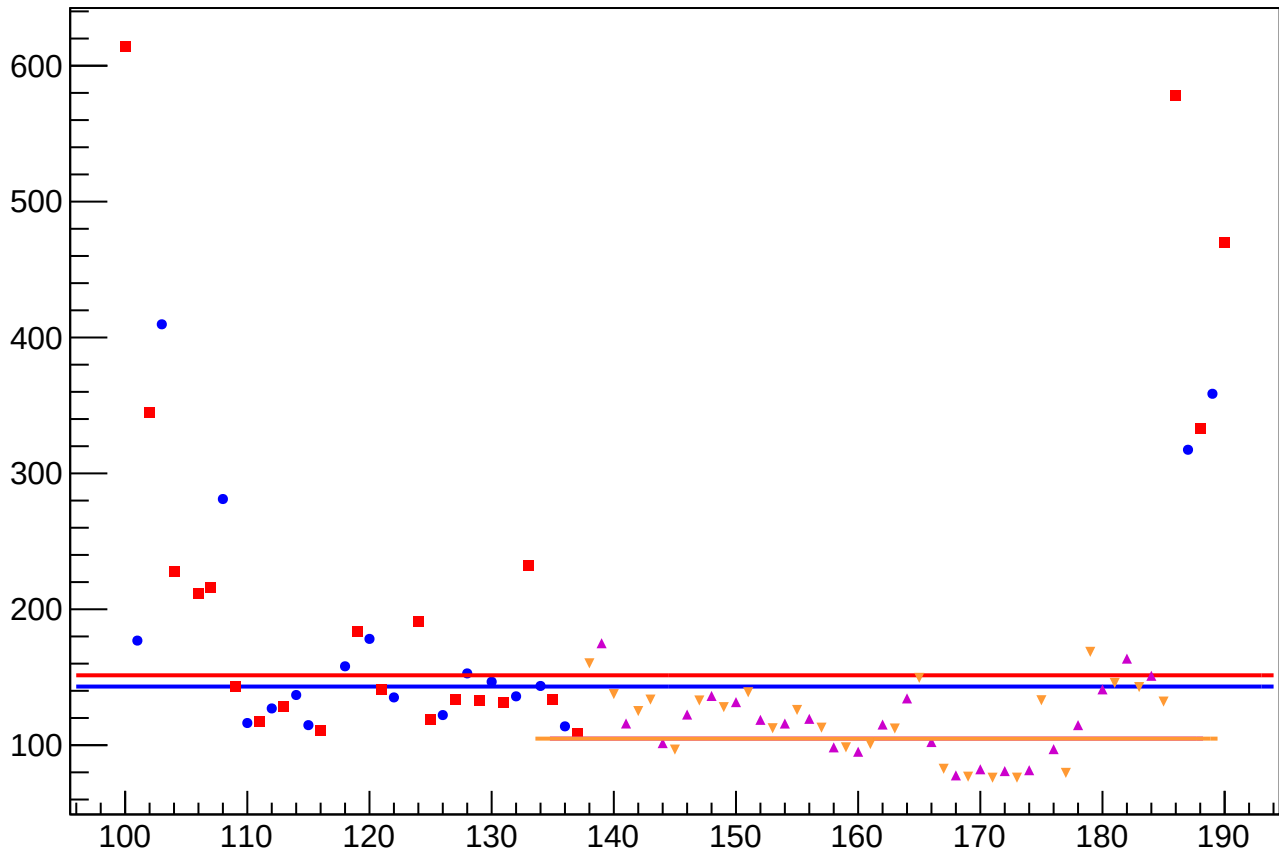
Left In: -47.038 ± 25.696 χ^2/NDF : 38.6/22

+ sign 60.399 ± 22.763 χ^2/NDF : 65.6/42

All: 11.228 ± 16.279 χ^2/NDF : 132.8/87

- sign -40.248 ± 23.290 χ^2/NDF : 57.7/44

eigen_dit_asym_sam3_rms vs Slug



Right In: 143.135 $\pm$ 0.038 χ^2 /NDF: 1469703.7/17

Left Out: 104.810 $\pm$ 0.018 χ^2 /NDF:2242815.0/24

Right Out: 151.411 $\pm$ 0.039 χ^2 /NDF: 2447208.6/21

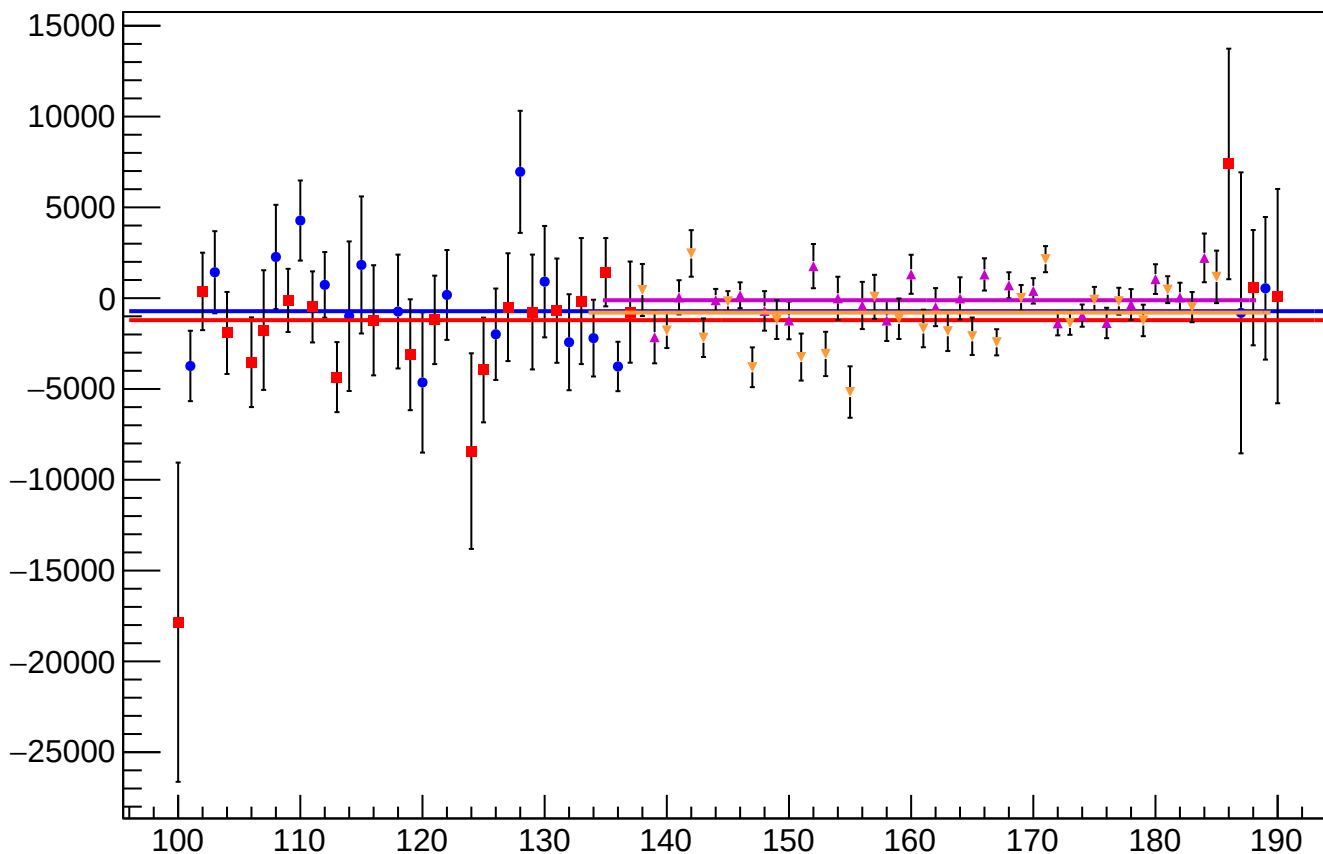
Left In: 104.835 $\pm$ 0.018 χ^2 /NDF:1614484.2/22

+ sign 111.513 $\pm$ 0.016 χ^2 /NDF: 4530597.4/42

All: 112.312 $\pm$ 0.012 χ^2 /NDF: 9770099.5/87

- sign 113.148 $\pm$ 0.016 χ^2 /NDF: 5234460.0/44

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -716.209 ± 587.365 χ^2/NDF : 23.6/17

Left Out: -793.071 ± 179.896 χ^2/NDF : 70.0/24

Right Out: -1210.633 ± 571.032 χ^2/NDF : 15.8/21

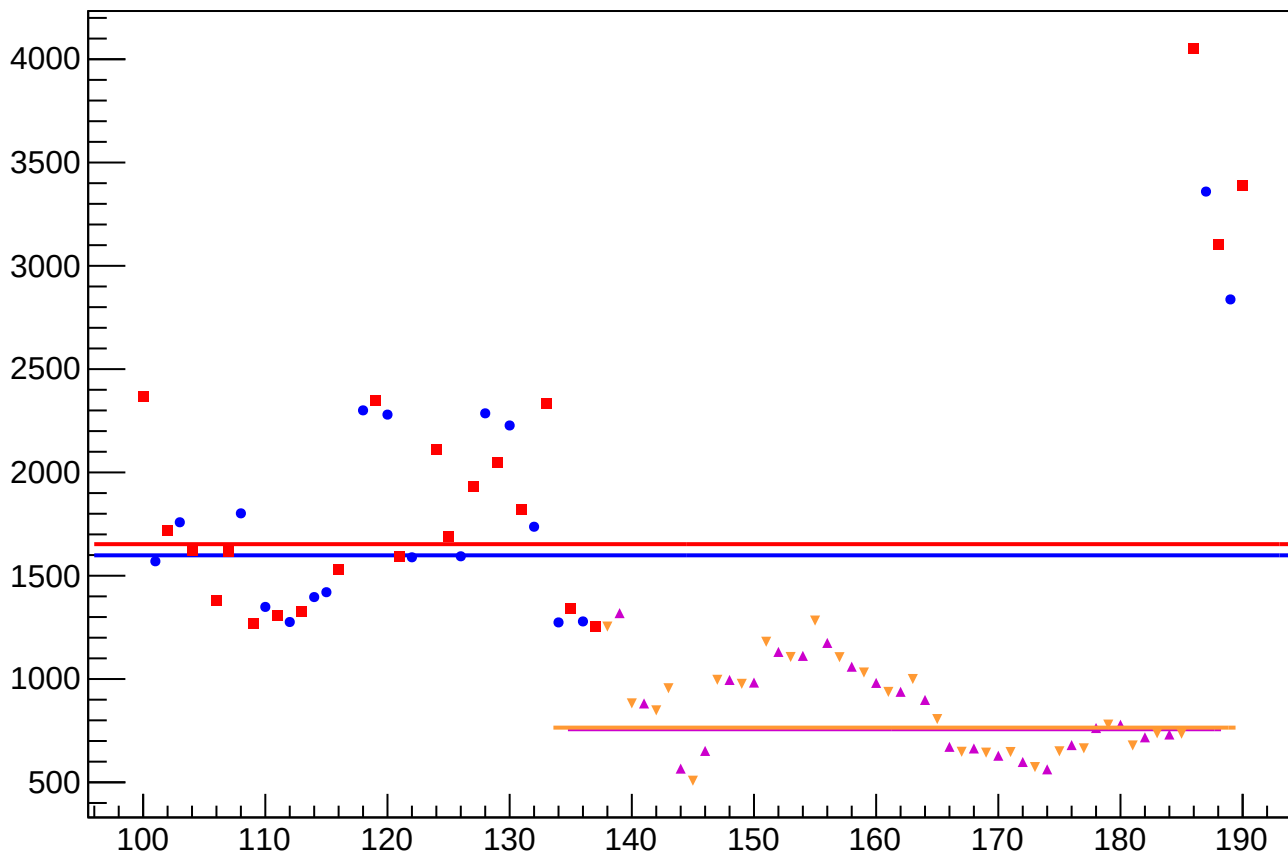
Left In: -113.680 ± 183.125 χ^2/NDF : 26.3/22

+ sign -786.479 ± 172.010 χ^2/NDF : 93.6/42

All: -505.127 ± 122.458 χ^2/NDF : 144.5/87

- sign -215.974 ± 174.378 χ^2/NDF : 45.4/44

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1598.702 ± 0.415 χ^2/NDF : 915427.6/17

Left Out: 764.734 ± 0.127 χ^2/NDF : 2425549.9/24

Right Out: 1652.774 ± 0.404 χ^2/NDF : 1484907.7/21

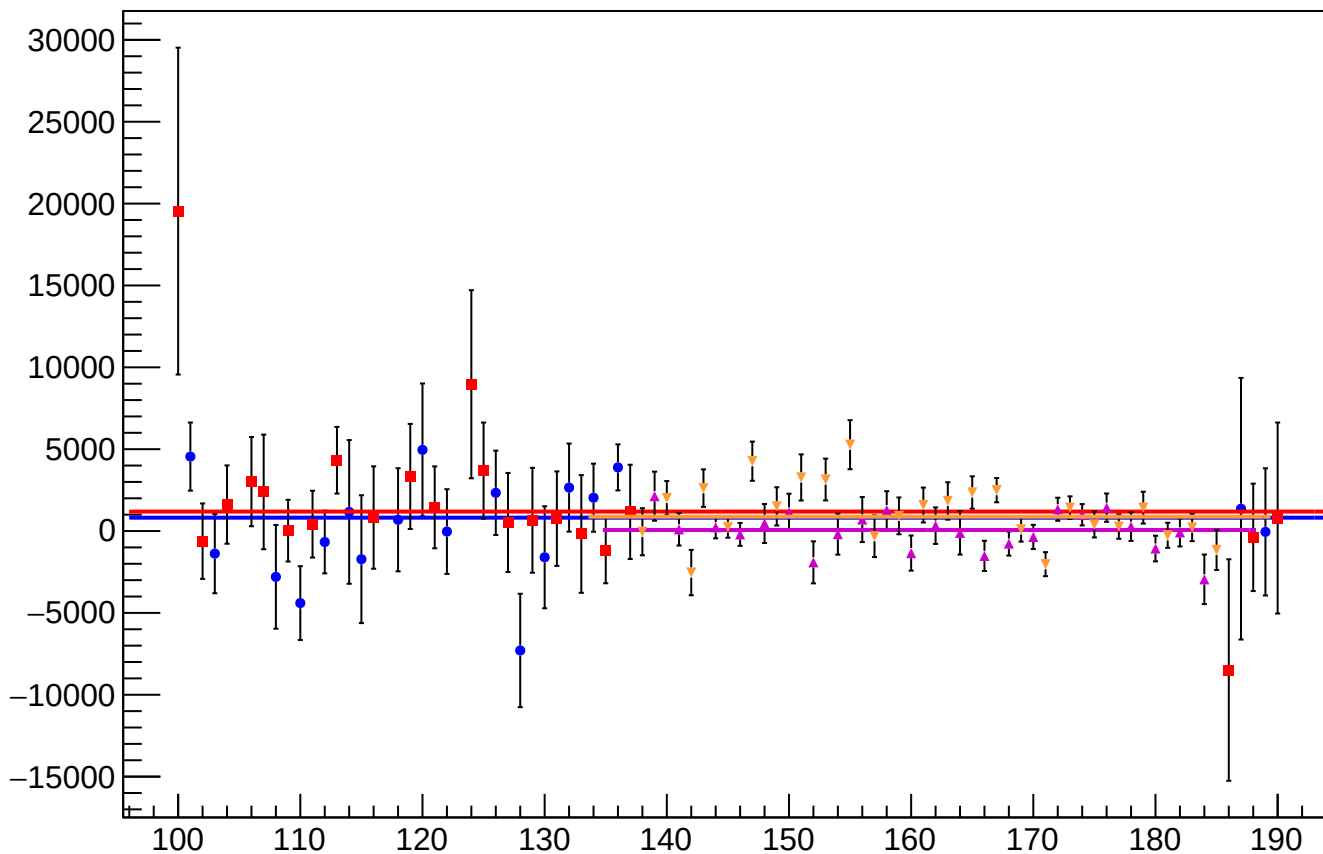
Left In: 756.926 ± 0.129 χ^2/NDF : 2115275.0/22

+ sign 836.255 ± 0.122 χ^2/NDF : 7027121.3/42

All: 838.332 ± 0.087 χ^2/NDF : 15091272.6/87

- sign 840.466 ± 0.123 χ^2/NDF : 8063560.2/44

asym_sam3_mean vs Slug



Right In: 816.754 ± 609.295 $\chi^2/\text{NDF}: 25.0/17$

Left Out: 876.482 ± 188.998 $\chi^2/\text{NDF}: 67.3/24$

Right Out: 1189.223 ± 600.210 $\chi^2/\text{NDF}: 14.5/21$

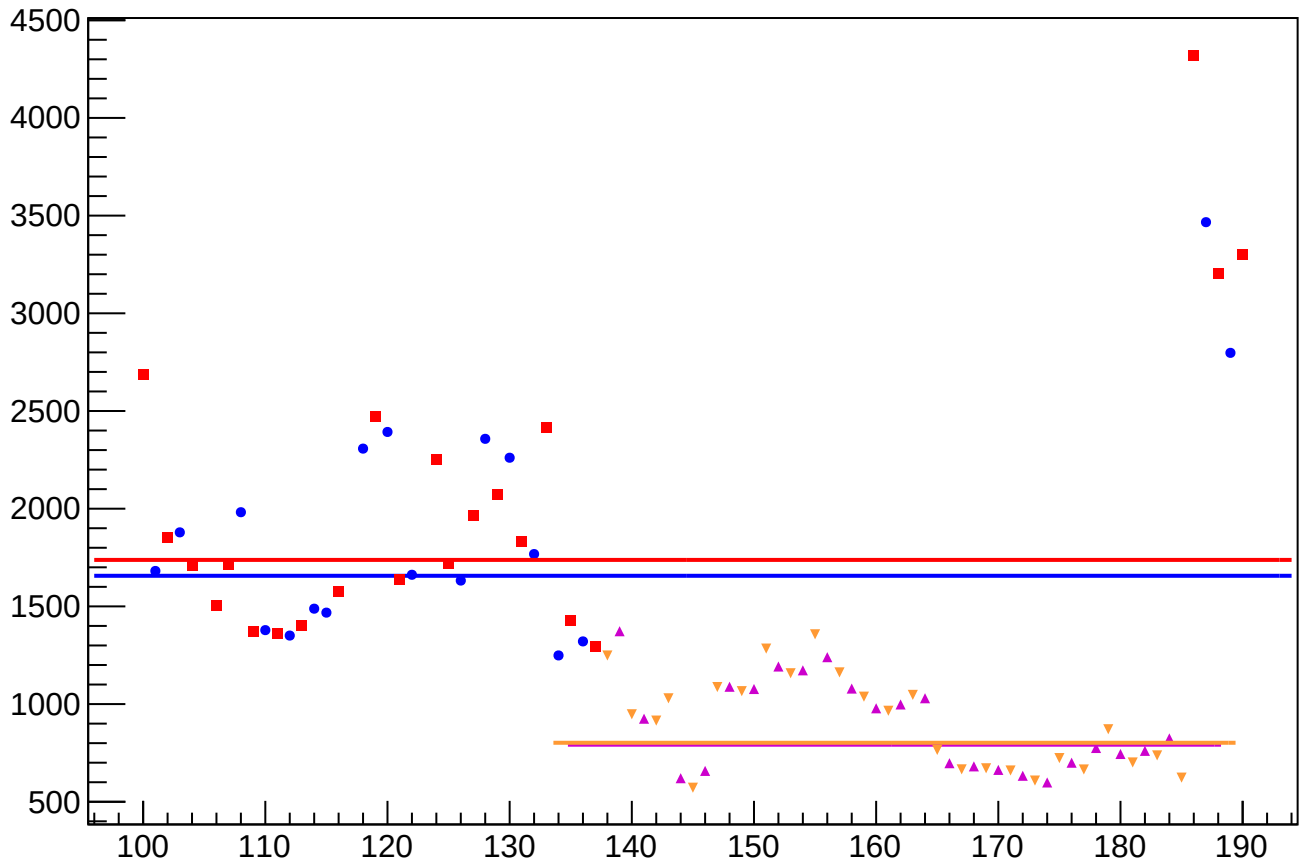
Left In: 62.754 ± 191.596 $\chi^2/\text{NDF}: 27.1/22$

+ sign 871.240 ± 180.513 $\chi^2/\text{NDF}: 92.2/42$

All: 522.980 ± 128.347 $\chi^2/\text{NDF}: 144.5/87$

- sign 166.925 ± 182.522 $\chi^2/\text{NDF}: 44.8/44$

asym_sam3_rms vs Slug



Right In: 1656.615 $\pm$ 0.431 χ^2 /NDF: 905734.2/17

Left Out: 802.014 $\pm$ 0.134 χ^2 /NDF: 2396024.4/24

Right Out: 1737.865 $\pm$ 0.424 χ^2 /NDF: 1401164.3/21

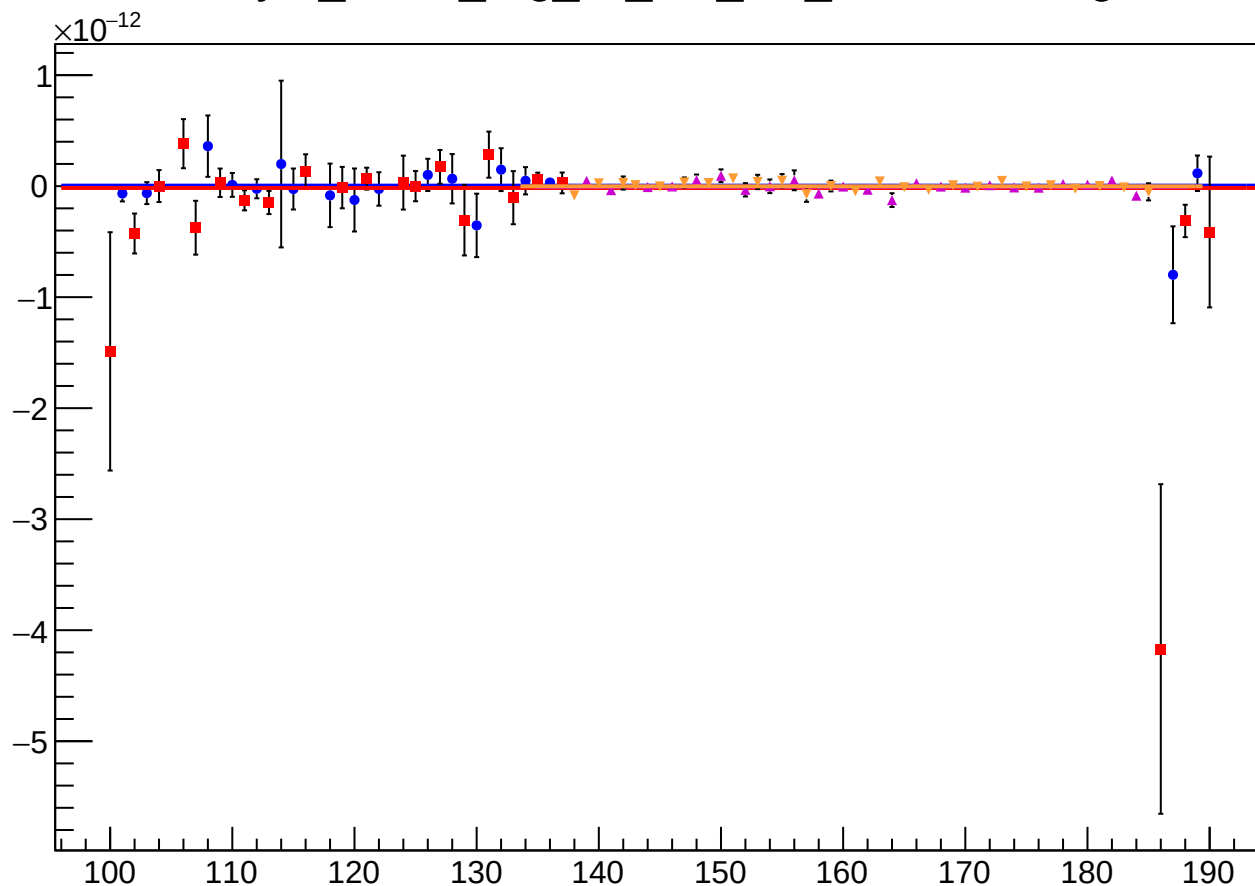
Left In: 792.060 $\pm$ 0.135 χ^2 /NDF: 2135575.6/22

+ sign 877.025 $\pm$ 0.128 χ^2 /NDF: 6891009.0/42

All: 878.261 $\pm$ 0.091 χ^2 /NDF: 14934912.6/87

- sign 879.524 $\pm$ 0.129 χ^2 /NDF: 8043714.2/44

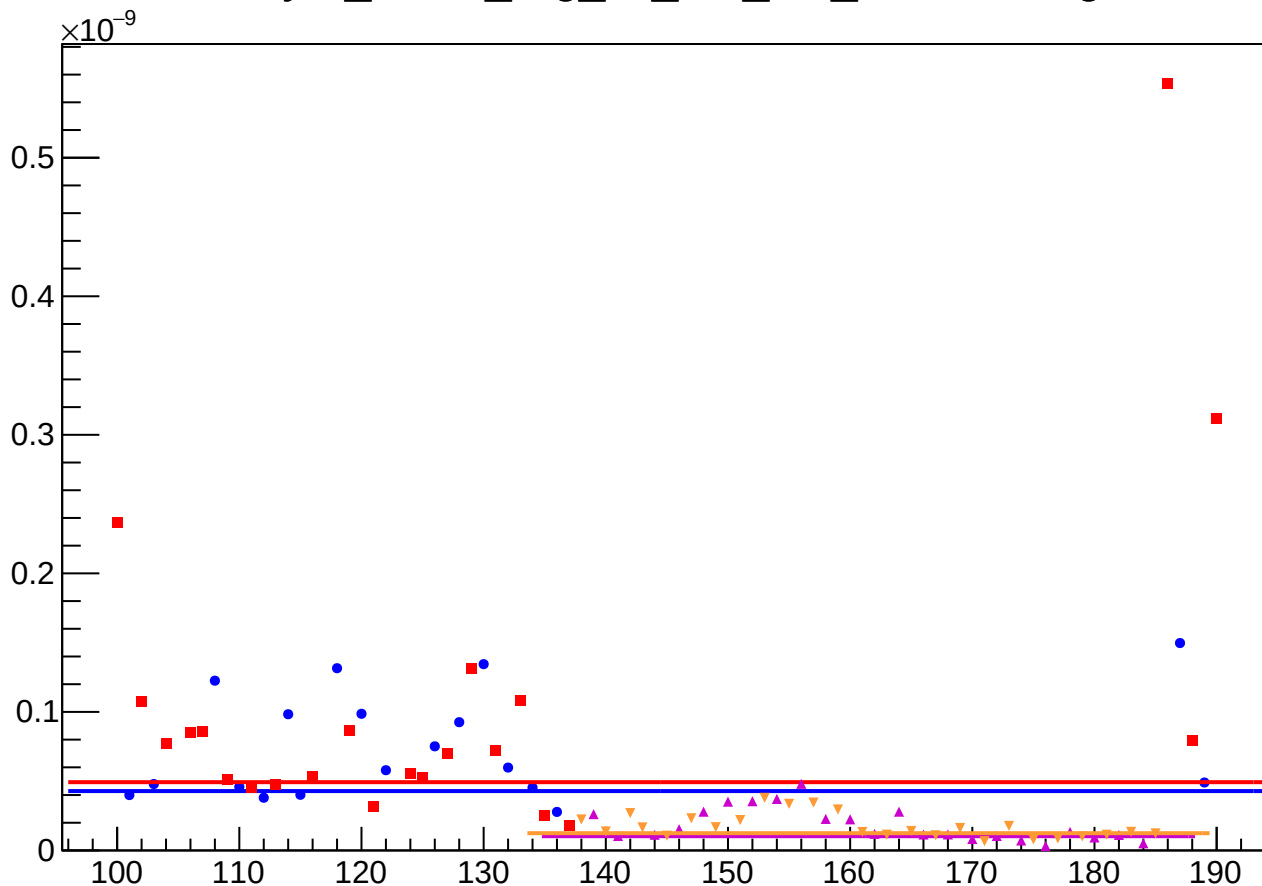
asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 10.7/17
 Left Out: -0.000 ± 0.000 χ^2/NDF : 24.0/24
 Right Out: -0.000 ± 0.000 χ^2/NDF : 36.0/21
 Left In: -0.000 ± 0.000 χ^2/NDF : 31.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 34.7/42
 All: -0.000 ± 0.000 χ^2/NDF : 103.0/87
 - sign -0.000 ± 0.000 χ^2/NDF : 67.7/44

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1271814.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2035141.7/21

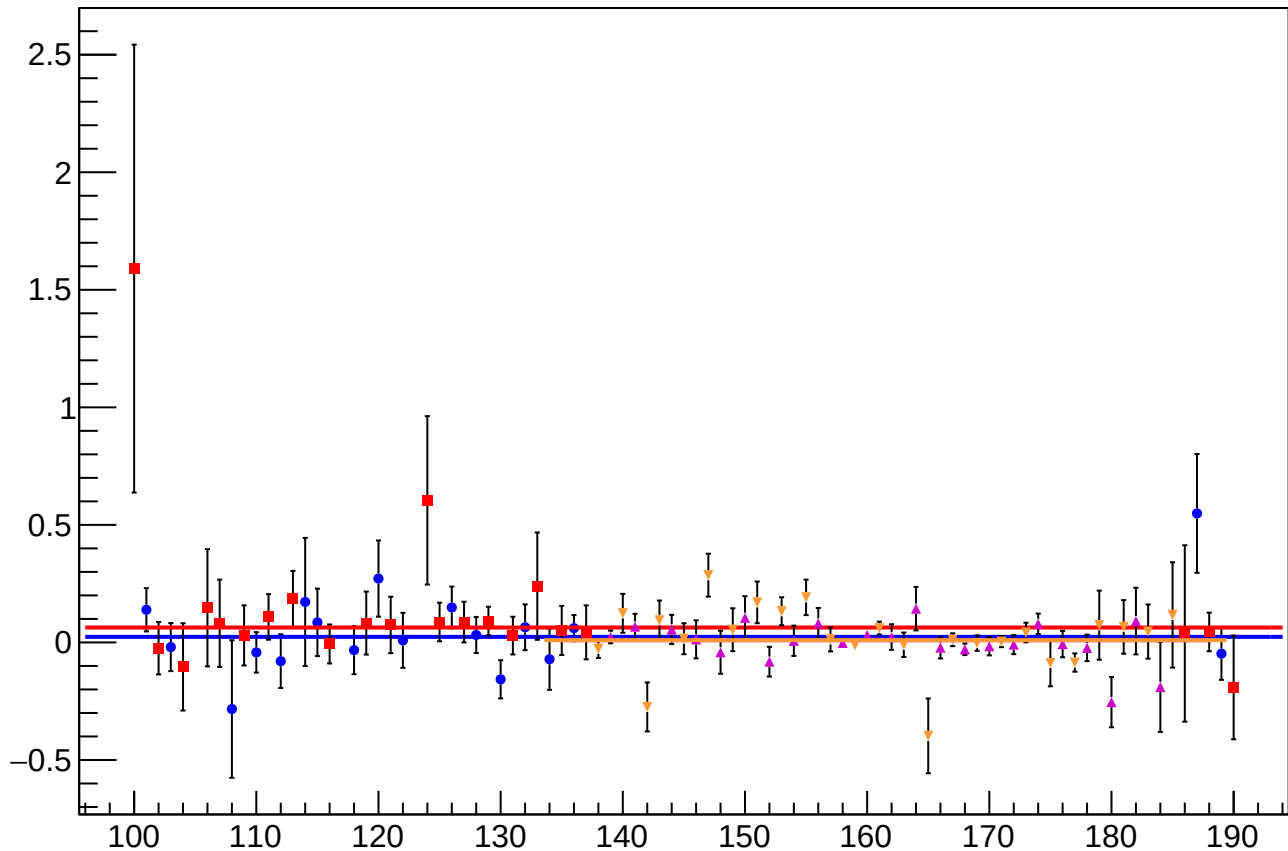
Left In: 0.000+/-0.000 χ^2/NDF : 3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 5952791.2/42

All: 0.000+/-0.000 χ^2/NDF : 15232356.3/87

- sign 0.000+/-0.000 χ^2/NDF : 9081028.7/44

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.024 ± 0.024 χ^2/NDF : 20.2/17

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: 0.063 ± 0.024 χ^2/NDF : 11.0/21

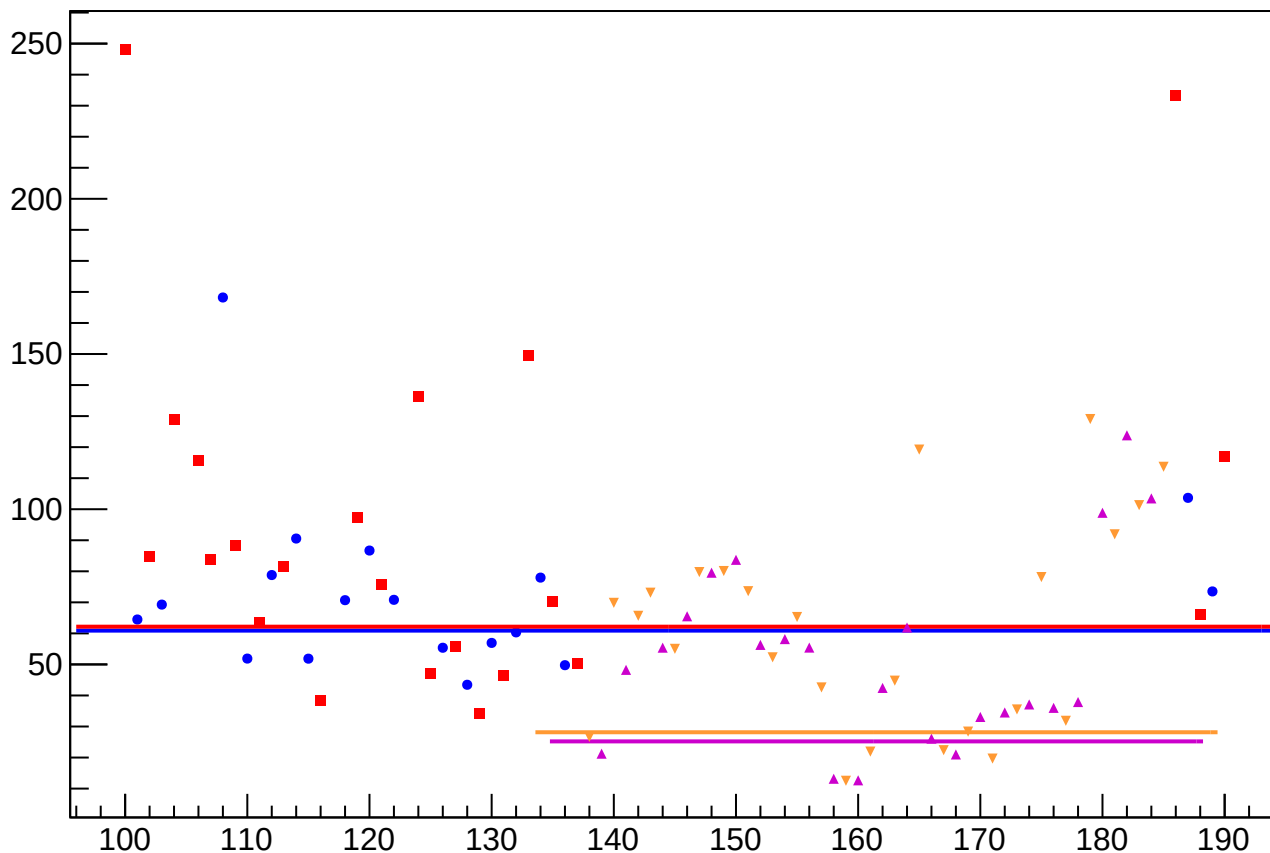
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.011 ± 0.008 χ^2/NDF : 75.2/42

All: 0.013 ± 0.005 χ^2/NDF : 116.1/87

- sign 0.015 ± 0.008 χ^2/NDF : 40.8/44

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 60.894 ± 0.017 $\chi^2/\text{NDF}: 785367.6/17$

Left Out: 28.151 ± 0.006 $\chi^2/\text{NDF}: 11070747.0/24$

Right Out: 62.160 ± 0.017 $\chi^2/\text{NDF}: 2533431.7/21$

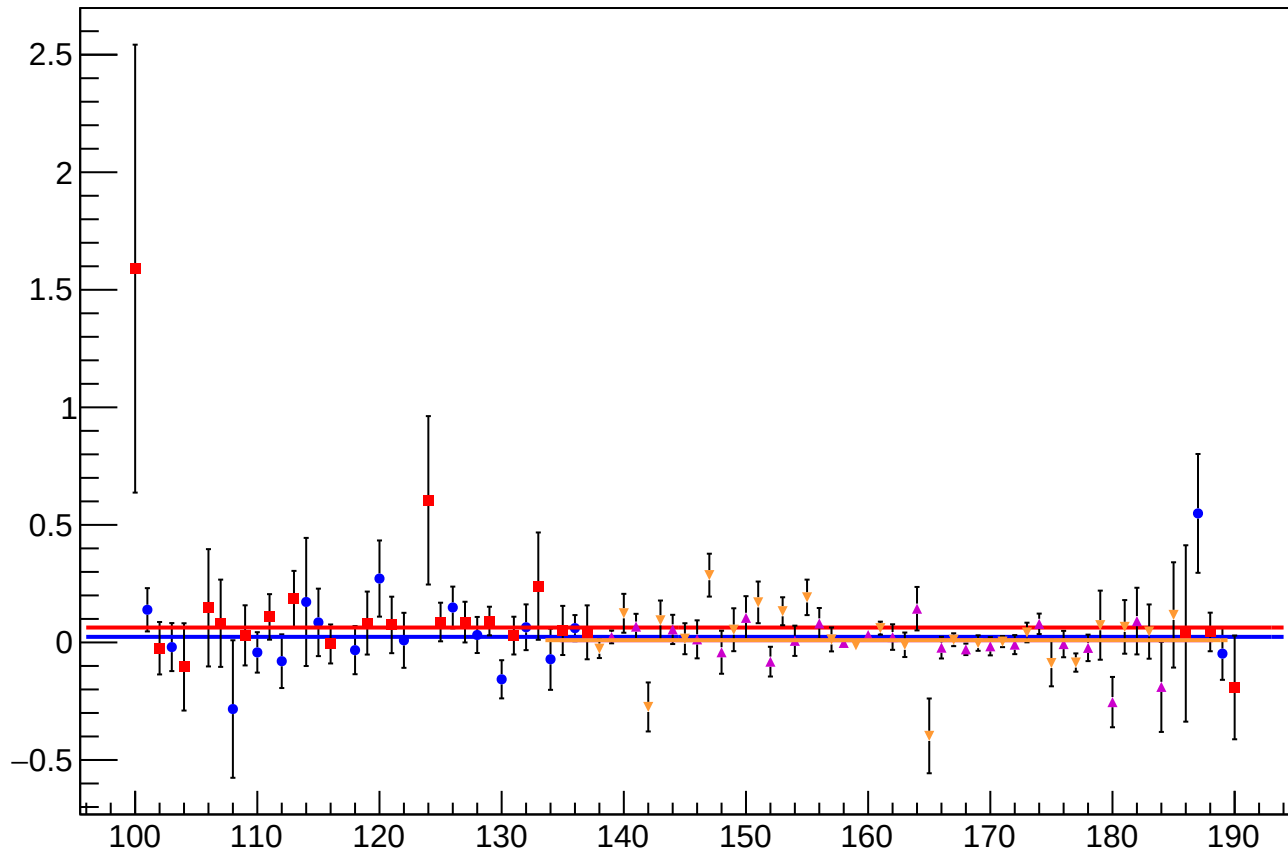
Left In: 25.206 ± 0.006 $\chi^2/\text{NDF}: 9964049.2/22$

+ sign 31.773 ± 0.006 $\chi^2/\text{NDF}: 15171915.1/42$

All: 30.225 ± 0.004 $\chi^2/\text{NDF}: 32098630.2/87$

- sign 28.848 ± 0.005 $\chi^2/\text{NDF}: 16784347.4/44$

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024 ± 0.024 χ^2/NDF : 20.2/17

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: 0.063 ± 0.024 χ^2/NDF : 11.0/21

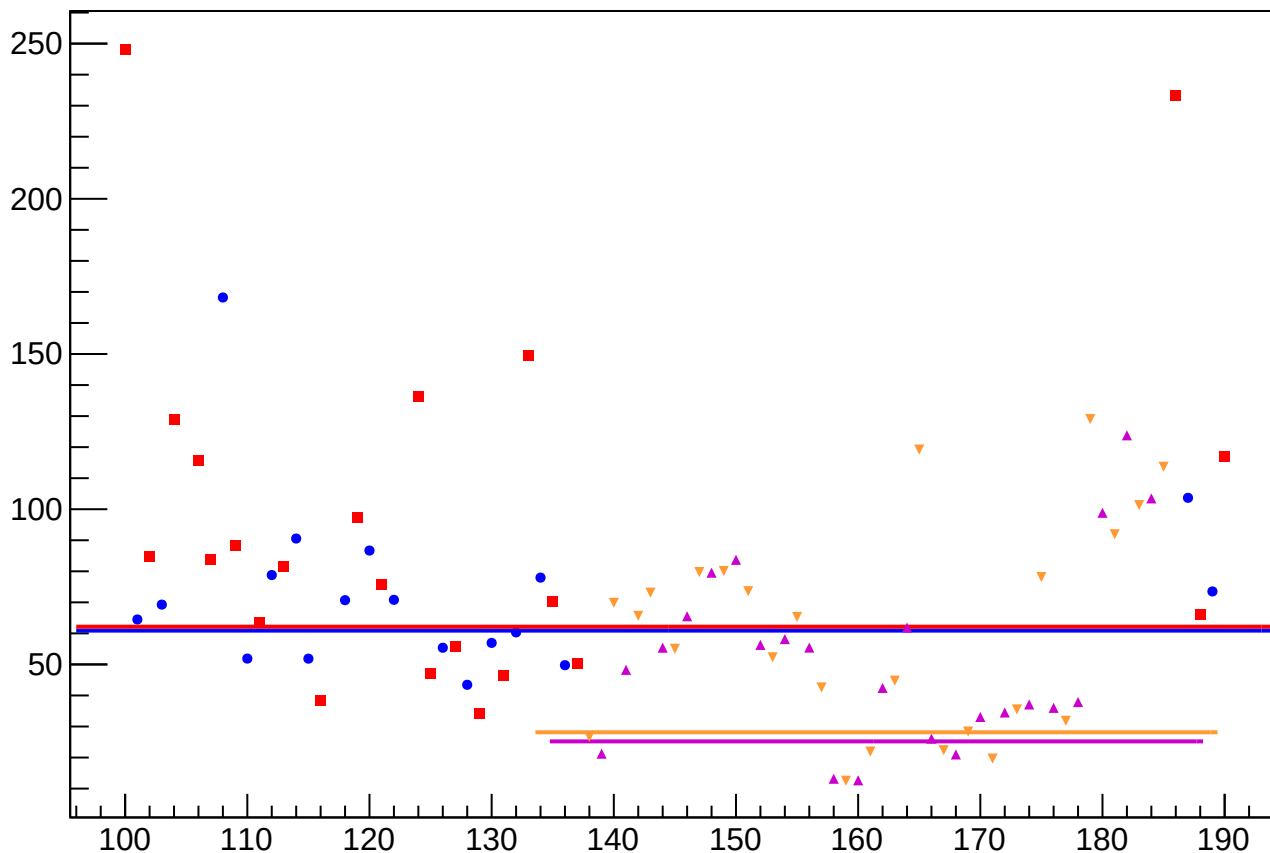
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.011 ± 0.008 χ^2/NDF : 75.2/42

All: 0.013 ± 0.005 χ^2/NDF : 116.1/87

- sign 0.015 ± 0.008 χ^2/NDF : 40.8/44

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.894 $\pm$ 0.017 χ^2 /NDF: 785367.6/17

Left Out: 28.151 $\pm$ 0.006 χ^2 /NDF: 11070747.0/24

Right Out: 62.160 $\pm$ 0.017 χ^2 /NDF: 2533431.7/21

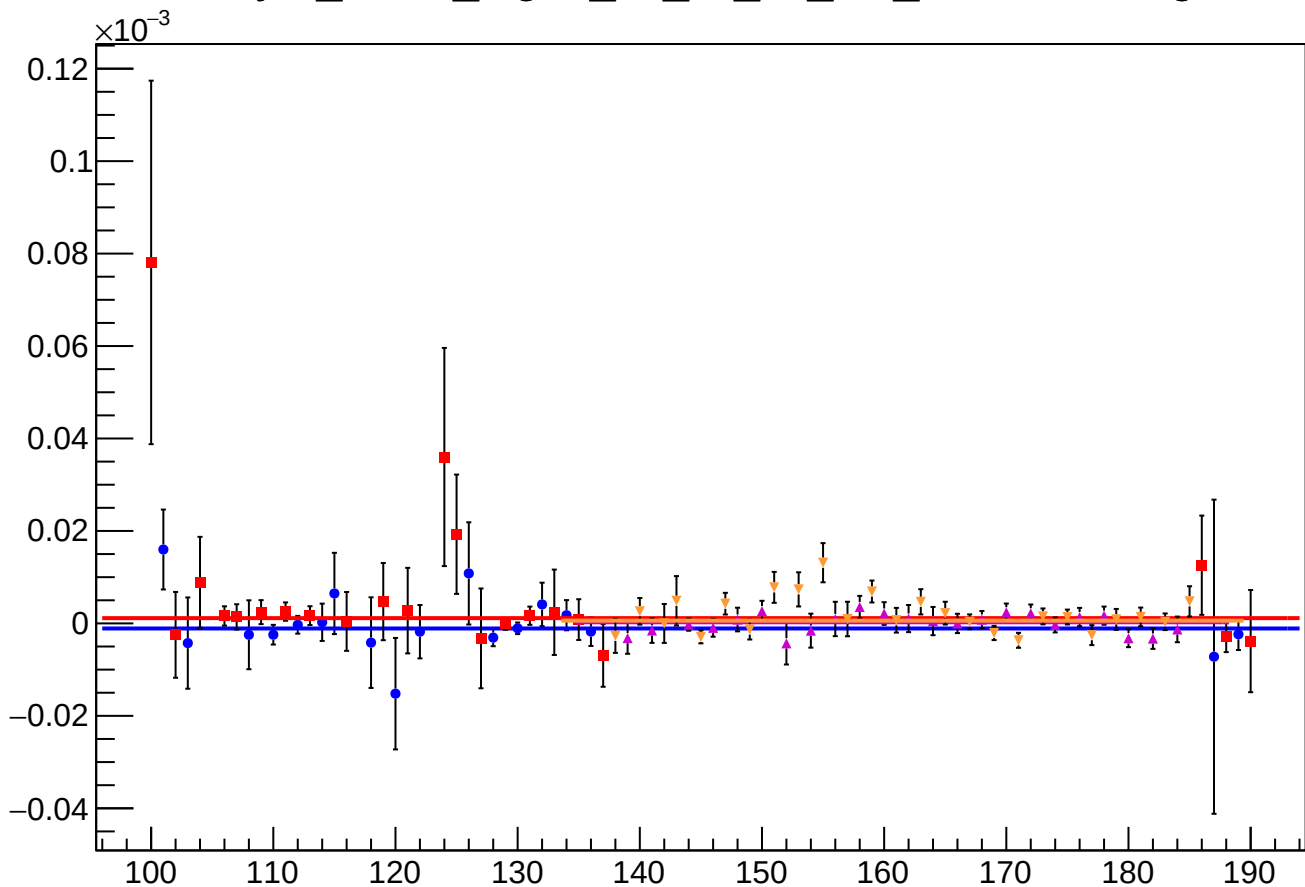
Left In: 25.206 $\pm$ 0.006 χ^2 /NDF: 9964049.2/22

+ sign 31.773 $\pm$ 0.006 χ^2 /NDF: 15171915.1/42

All: 30.225 $\pm$ 0.004 χ^2 /NDF: 32098630.2/87

- sign 28.848 $\pm$ 0.005 χ^2 /NDF: 16784347.4/44

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 11.4/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 52.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.3/21

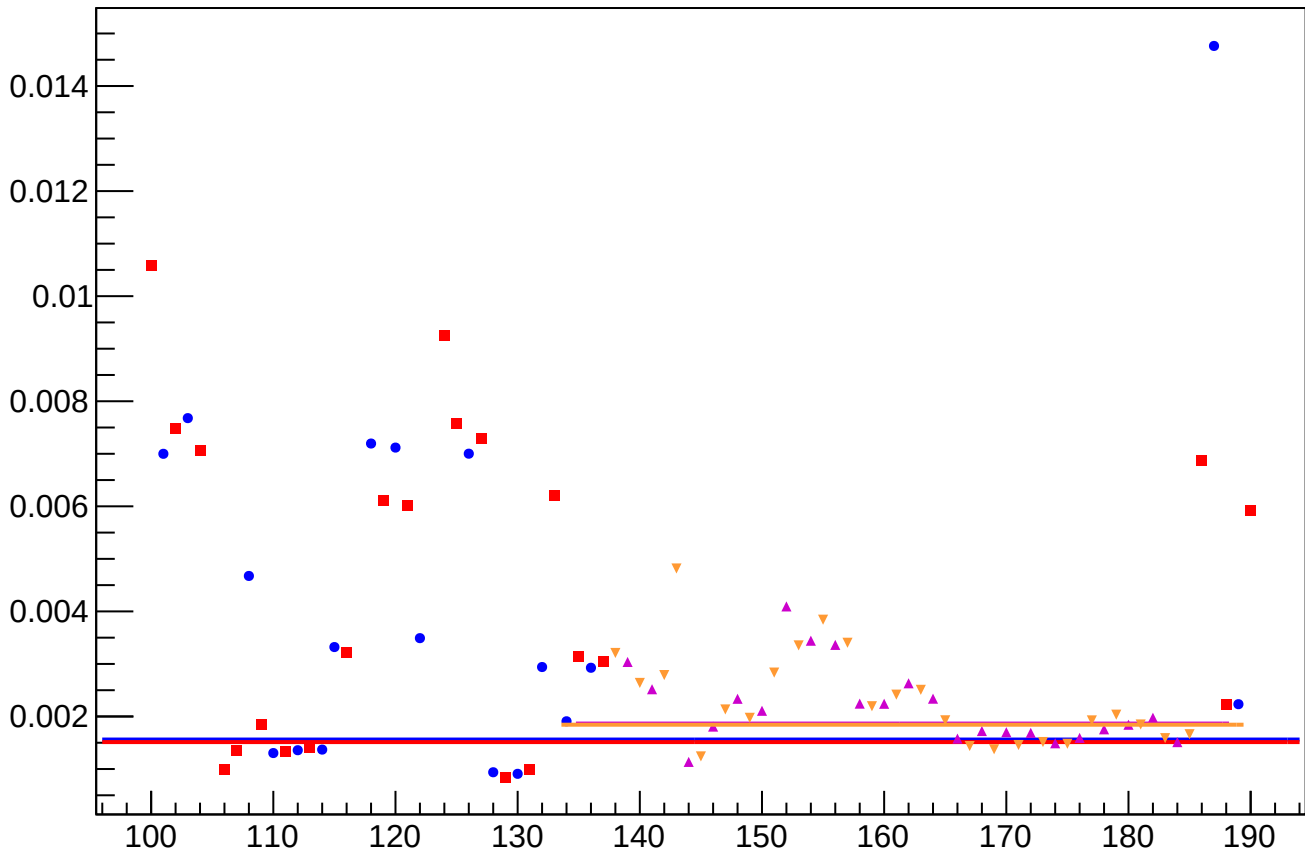
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 67.8/42

All: 0.000 ± 0.000 χ^2/NDF : 101.3/87

- sign 0.000 ± 0.000 χ^2/NDF : 33.0/44

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5568367.8/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3783185.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 6719723.2/21

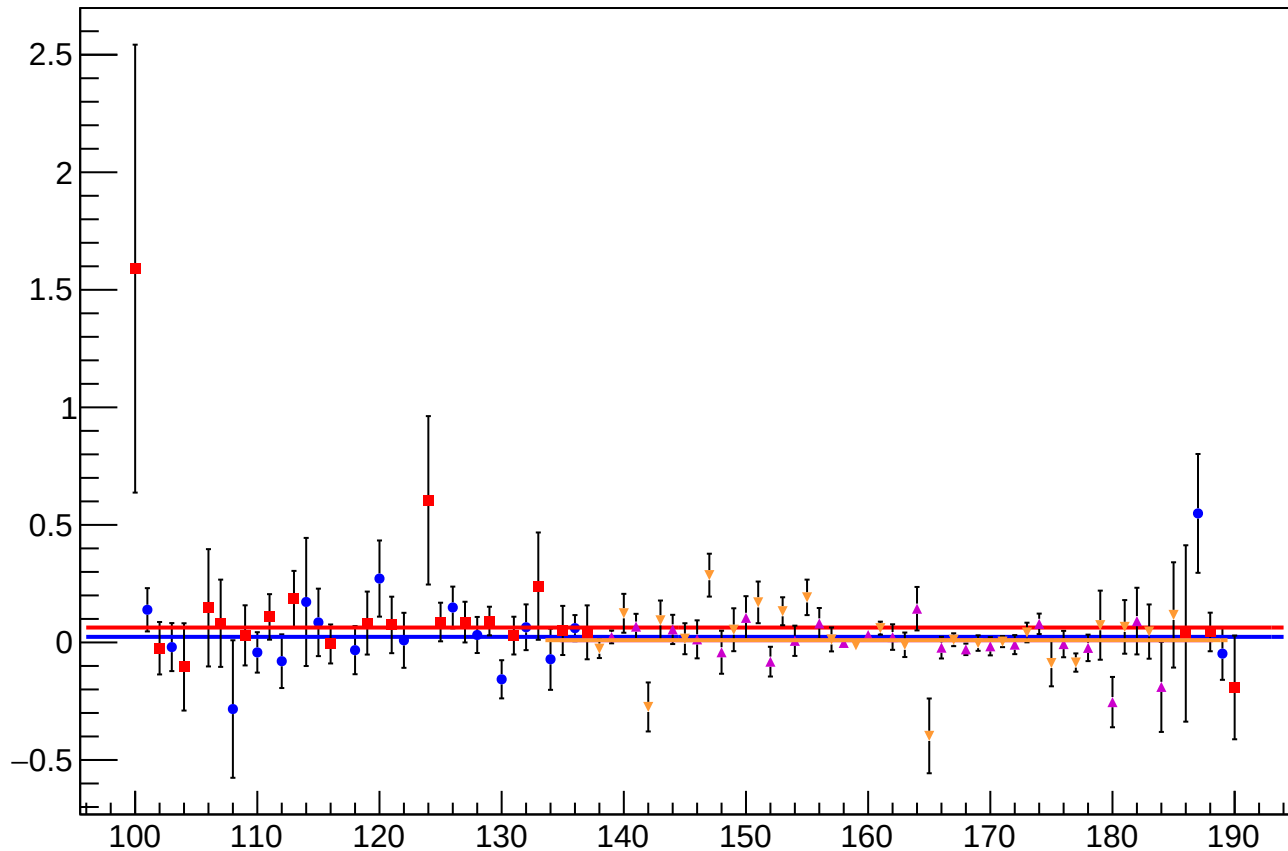
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2794135.0/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9573550.0/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 19456495.4/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9882166.6/44

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024 ± 0.024 $\chi^2/\text{NDF}: 20.2/17$

Left Out: 0.010 ± 0.008 $\chi^2/\text{NDF}: 54.6/24$

Right Out: 0.063 ± 0.024 $\chi^2/\text{NDF}: 11.0/21$

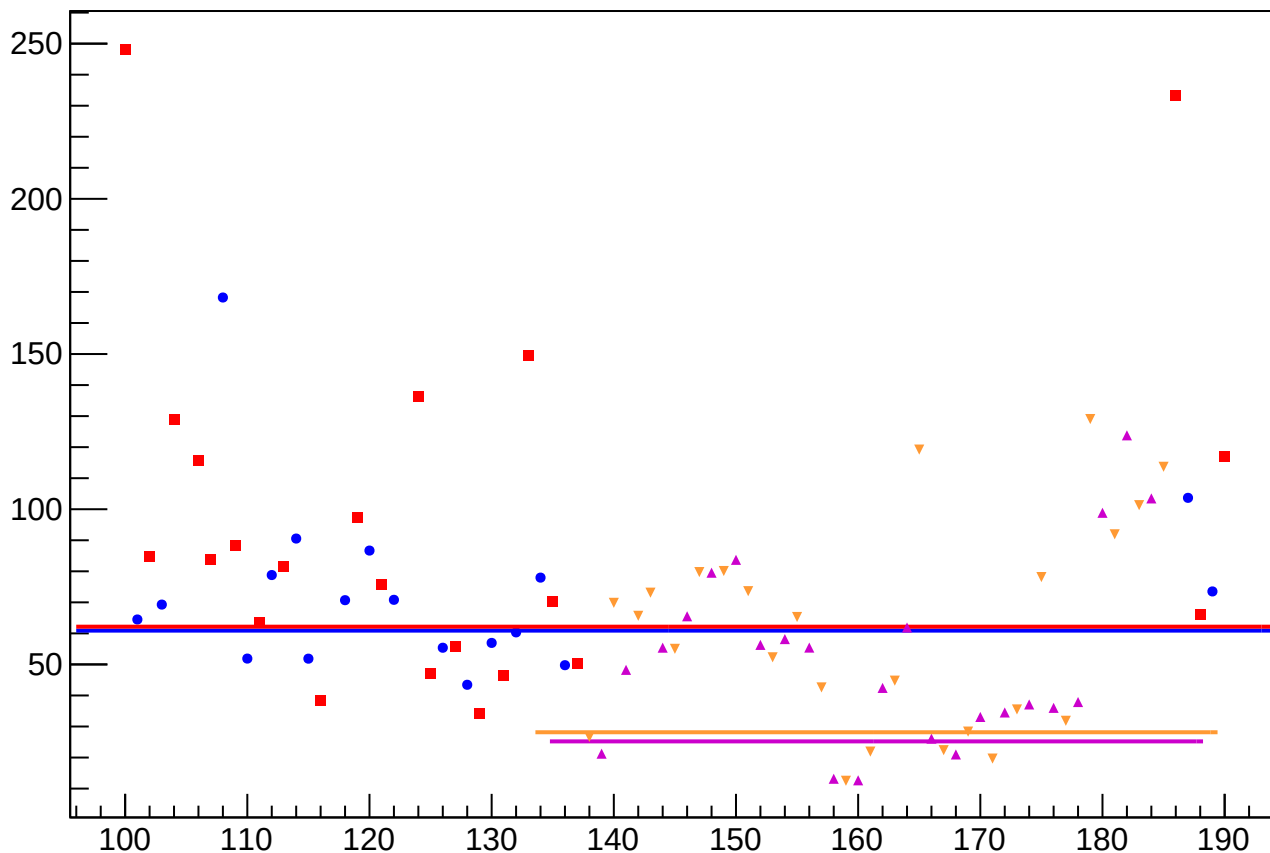
Left In: 0.009 ± 0.008 $\chi^2/\text{NDF}: 25.2/22$

+ sign 0.011 ± 0.008 $\chi^2/\text{NDF}: 75.2/42$

All: 0.013 ± 0.005 $\chi^2/\text{NDF}: 116.1/87$

- sign 0.015 ± 0.008 $\chi^2/\text{NDF}: 40.8/44$

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.895 $\pm$ 0.017 χ^2 /NDF: 785423.4/17

Left Out: 28.150 $\pm$ 0.006 χ^2 /NDF: 11071818.3/24

Right Out: 62.161 $\pm$ 0.017 χ^2 /NDF: 2533500.5/21

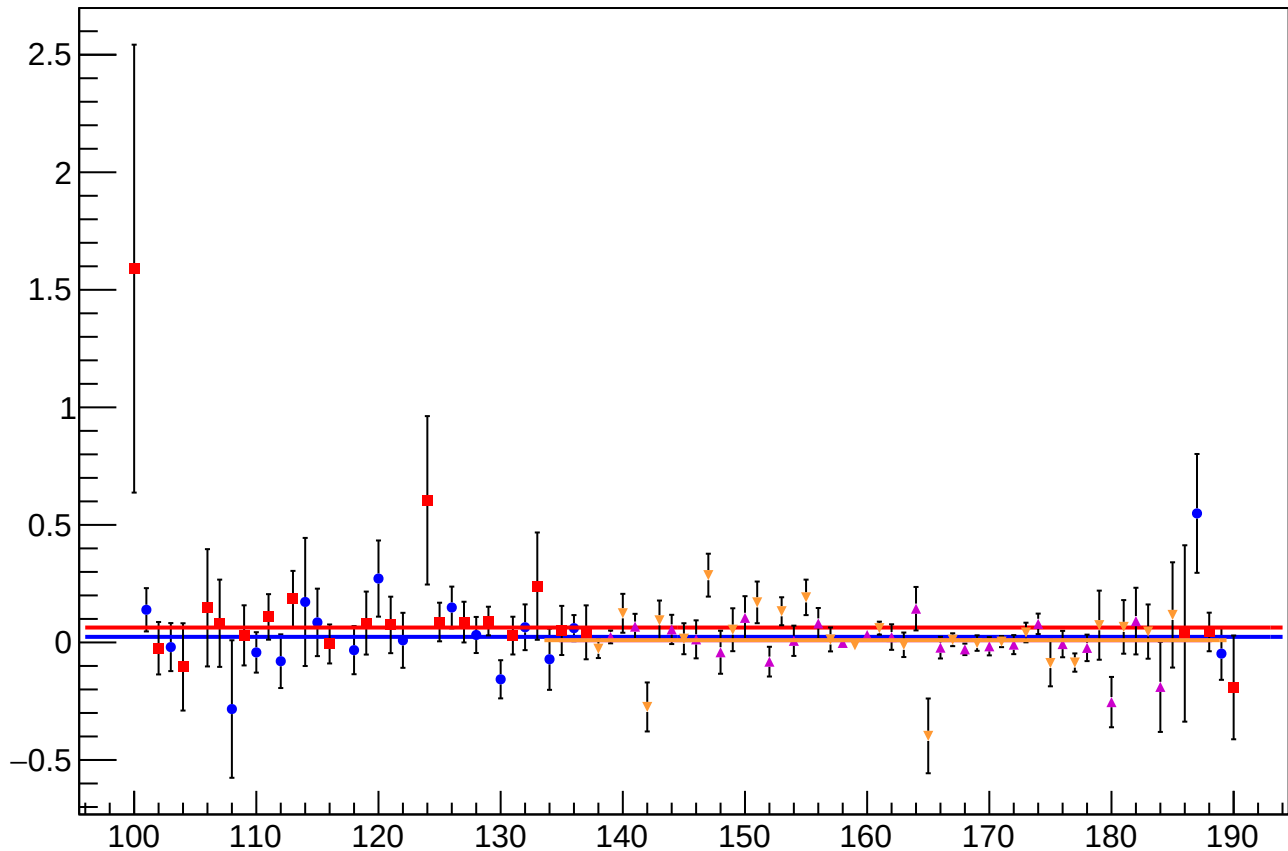
Left In: 25.205 $\pm$ 0.006 χ^2 /NDF: 9964548.1/22

+ sign 31.772 $\pm$ 0.006 χ^2 /NDF: 15173369.9/42

All: 30.224 $\pm$ 0.004 χ^2 /NDF: 32100772.8/87

- sign 28.847 $\pm$ 0.005 χ^2 /NDF: 16785113.7/44

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024 ± 0.024 χ^2/NDF : 20.2/17

Left Out: 0.010 ± 0.008 χ^2/NDF : 54.6/24

Right Out: 0.063 ± 0.024 χ^2/NDF : 11.0/21

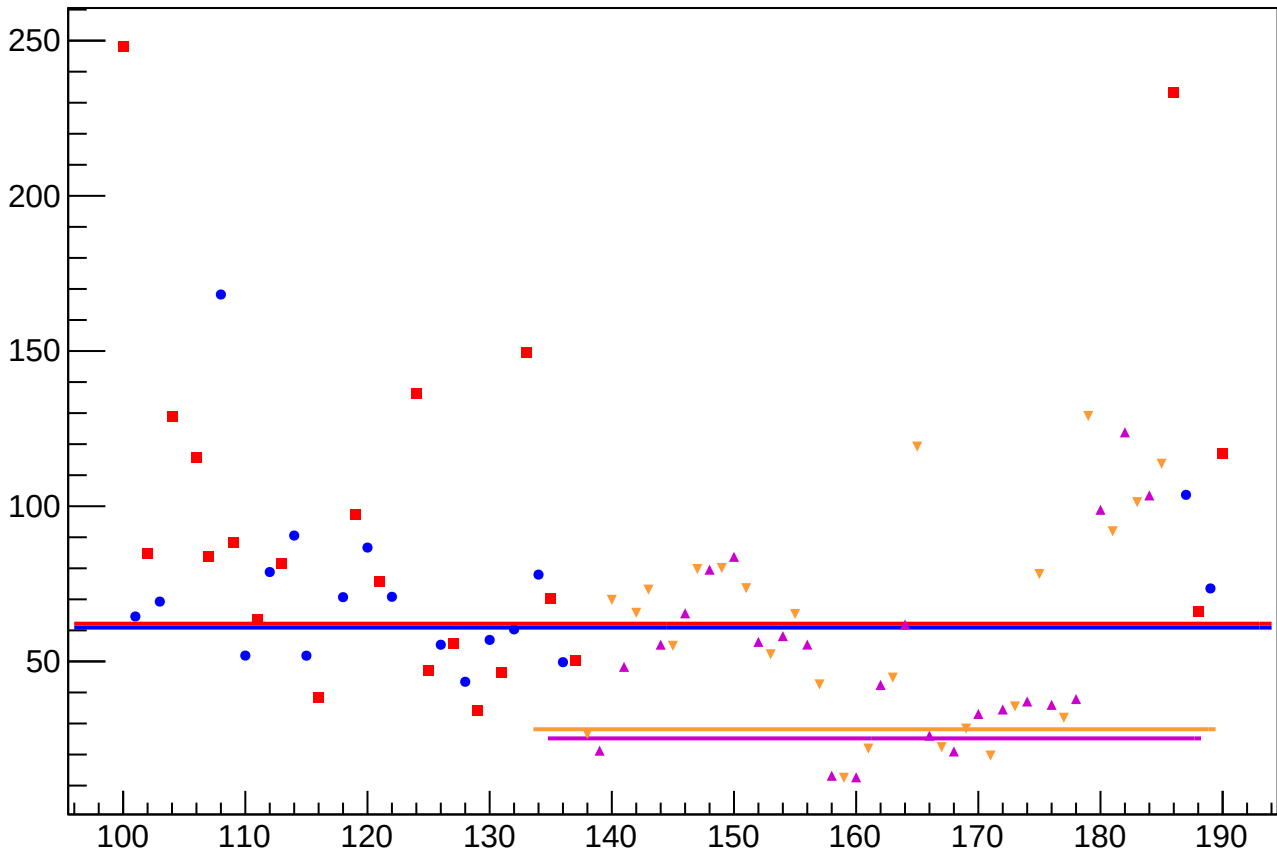
Left In: 0.009 ± 0.008 χ^2/NDF : 25.2/22

+ sign 0.011 ± 0.008 χ^2/NDF : 75.2/42

All: 0.013 ± 0.005 χ^2/NDF : 116.1/87

- sign 0.015 ± 0.008 χ^2/NDF : 40.8/44

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.895 $\pm$ 0.017 χ^2 /NDF: 785423.4/17

Left Out: 28.150 $\pm$ 0.006 χ^2 /NDF: 11071818.3/24

Right Out: 62.161 $\pm$ 0.017 χ^2 /NDF: 2533500.5/21

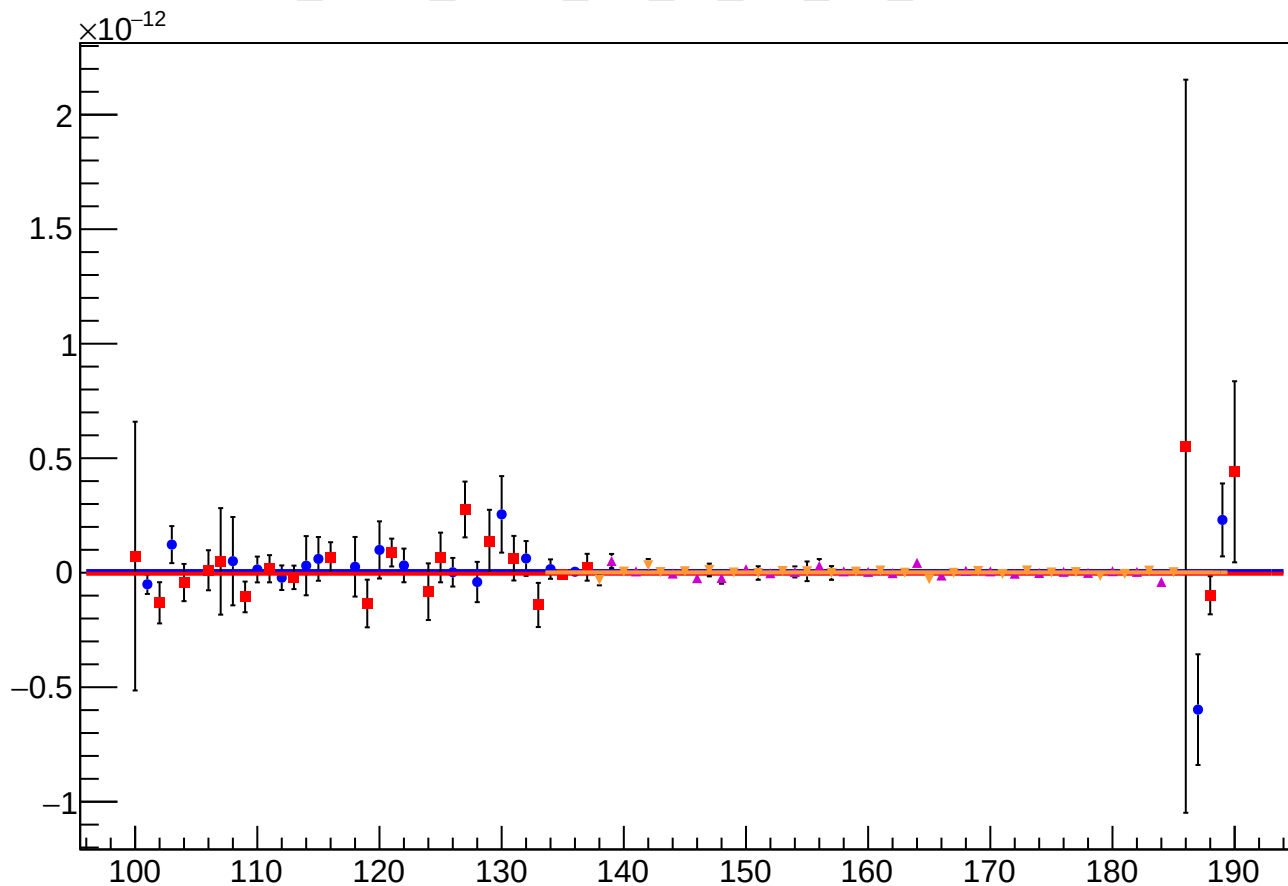
Left In: 25.205 $\pm$ 0.006 χ^2 /NDF: 9964548.1/22

+ sign 31.772 $\pm$ 0.006 χ^2 /NDF: 15173369.9/42

All: 30.224 $\pm$ 0.004 χ^2 /NDF: 32100772.8/87

- sign 28.847 $\pm$ 0.005 χ^2 /NDF: 16785113.7/44

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 16.6/17$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 11.3/24$

Right Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 22.4/21$

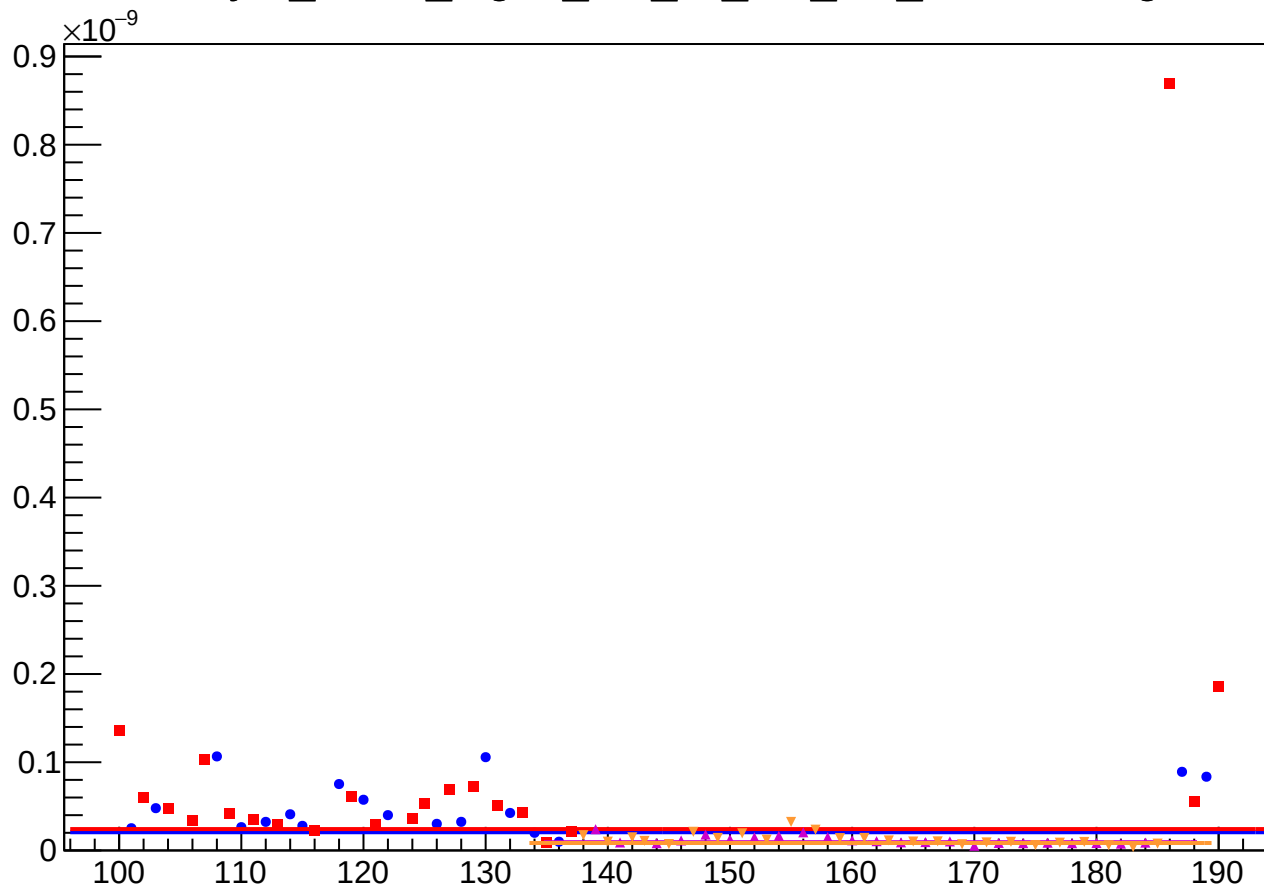
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 20.8/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 28.1/42$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 71.5/87$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 43.4/44$

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3598294.2/17

Left Out: 0.000+/-0.000 χ^2/NDF : 4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4711871.0/21

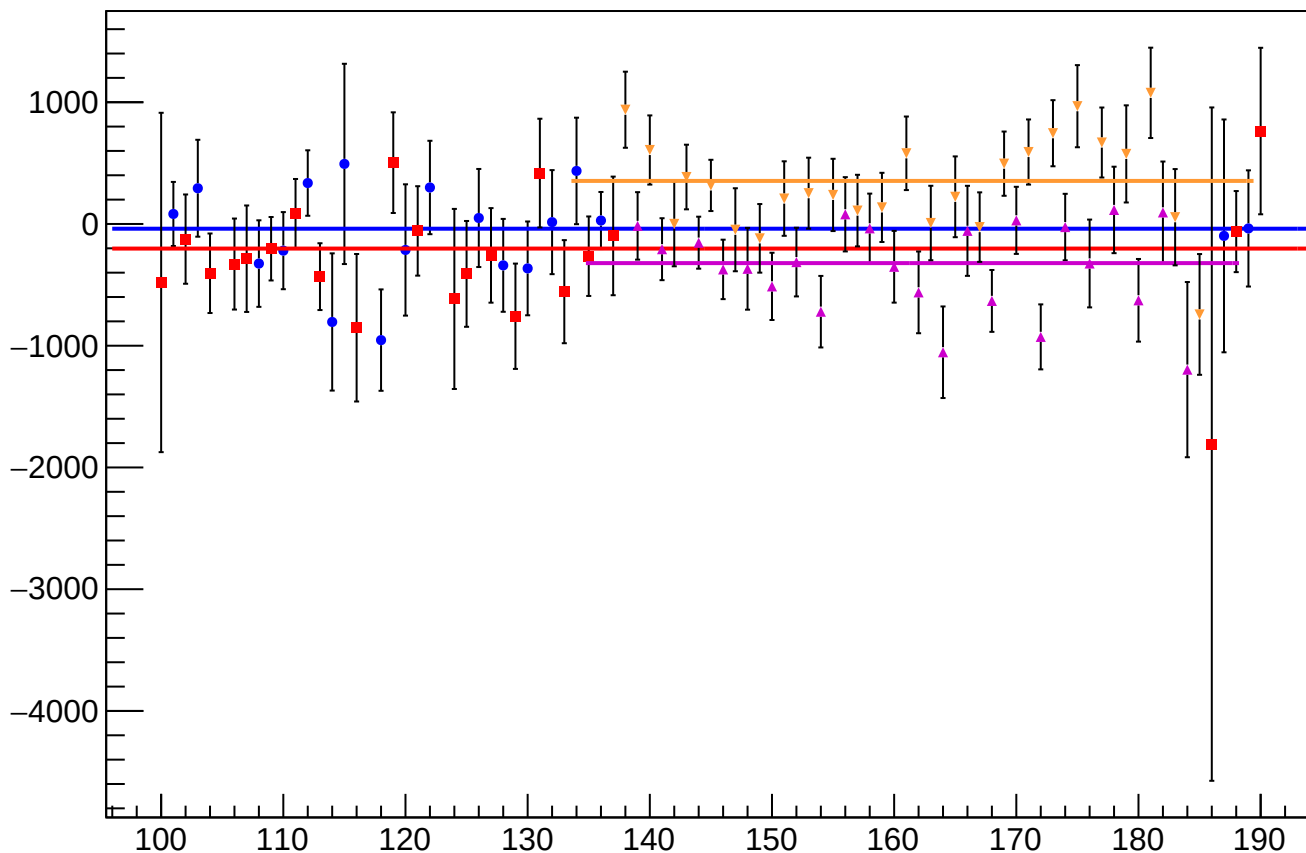
Left In: 0.000+/-0.000 χ^2/NDF : 2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 9870274.3/42

All: 0.000+/-0.000 χ^2/NDF : 19229749.6/87

- sign 0.000+/-0.000 χ^2/NDF : 9223464.3/44

reg_asym_sam4_mean vs Slug



Right In: -38.946 ± 88.644 χ^2/NDF : 14.5/17

Left Out: 353.617 ± 60.149 χ^2/NDF : 32.3/24

Right Out: -202.118 ± 84.308 χ^2/NDF : 14.0/21

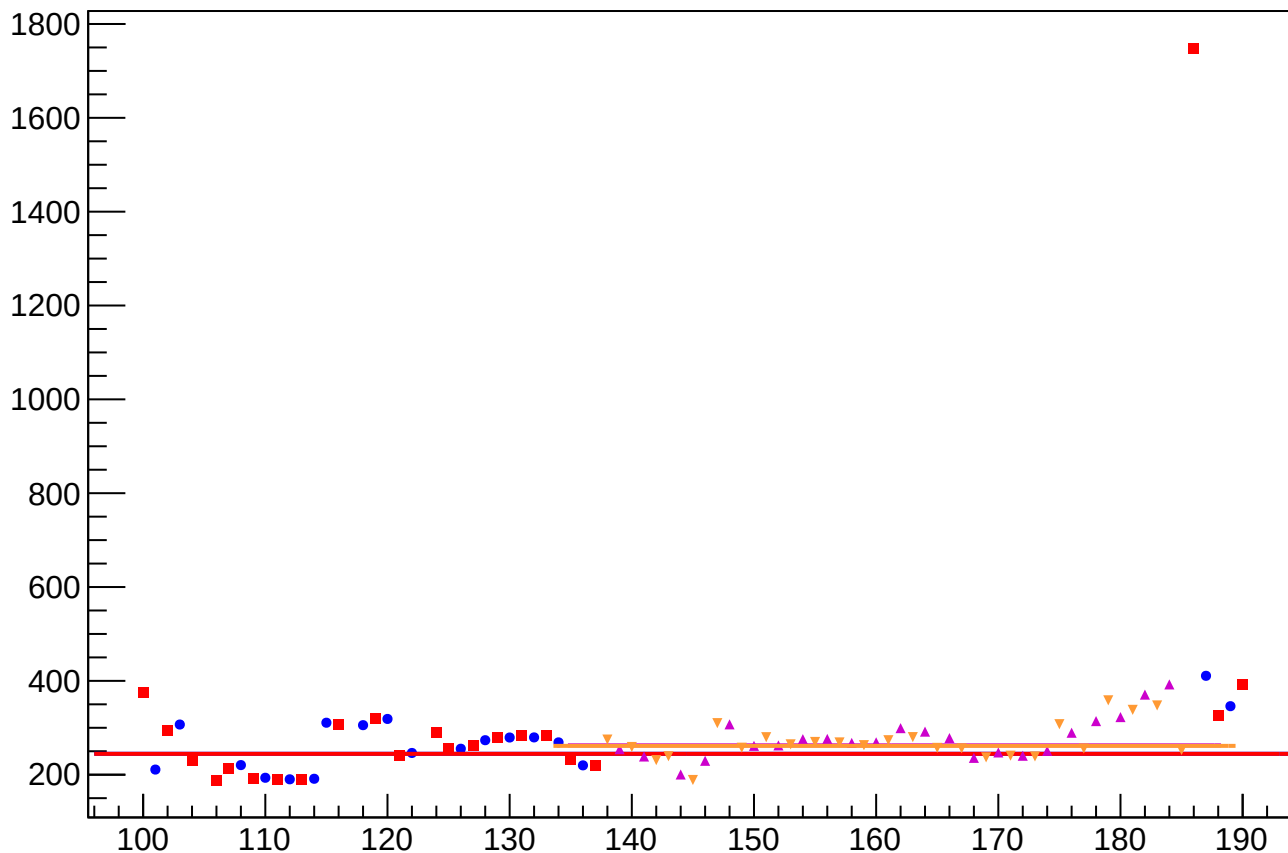
Left In: -321.510 ± 62.113 χ^2/NDF : 26.2/22

+ sign 229.856 ± 49.772 χ^2/NDF : 60.2/42

All: -23.627 ± 35.277 χ^2/NDF : 153.9/87

- sign -279.505 ± 50.007 χ^2/NDF : 41.5/44

reg_asym_sam4_rms vs Slug



Right In: 244.600 $\pm$ 0.063 χ^2 /NDF: 558238.5/17

Left Out: 261.470 $\pm$ 0.043 χ^2 /NDF: 715467.9/24

Right Out: 244.476 $\pm$ 0.060 χ^2 /NDF: 1309007.7/21

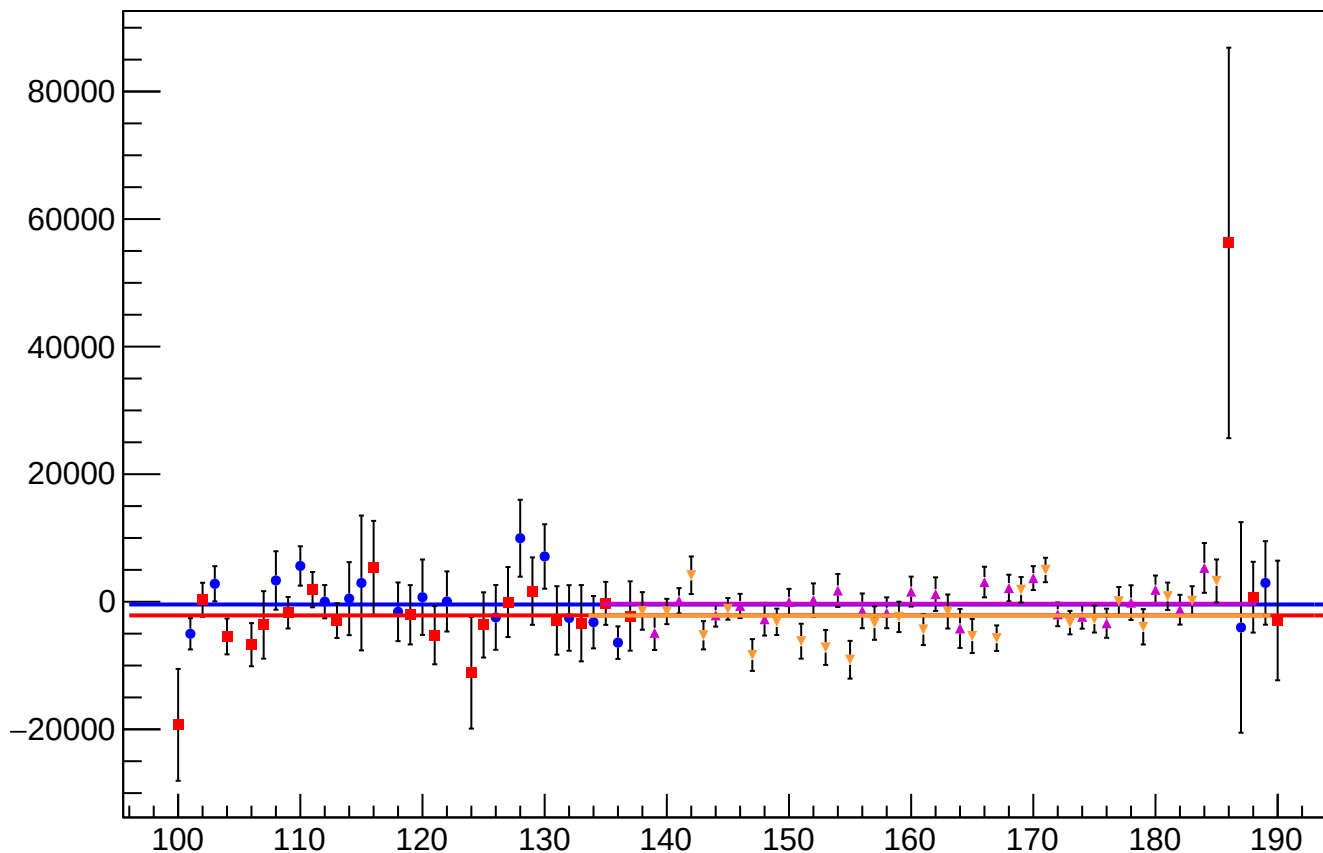
Left In: 262.616 $\pm$ 0.044 χ^2 /NDF: 670646.3/22

+ sign 256.151 $\pm$ 0.035 χ^2 /NDF: 1323303.8/42

All: 256.192 $\pm$ 0.025 χ^2 /NDF: 3362976.9/87

- sign 256.234 $\pm$ 0.035 χ^2 /NDF: 2039670.4/44

asym_sam4_reg_correction_mean vs Slug



Right In: -427.013 ± 936.182 χ^2/NDF : 21.5/17

Left Out: -2171.840 ± 461.649 χ^2/NDF : 55.5/24

Right Out: -2135.297 ± 878.536 χ^2/NDF : 17.8/21

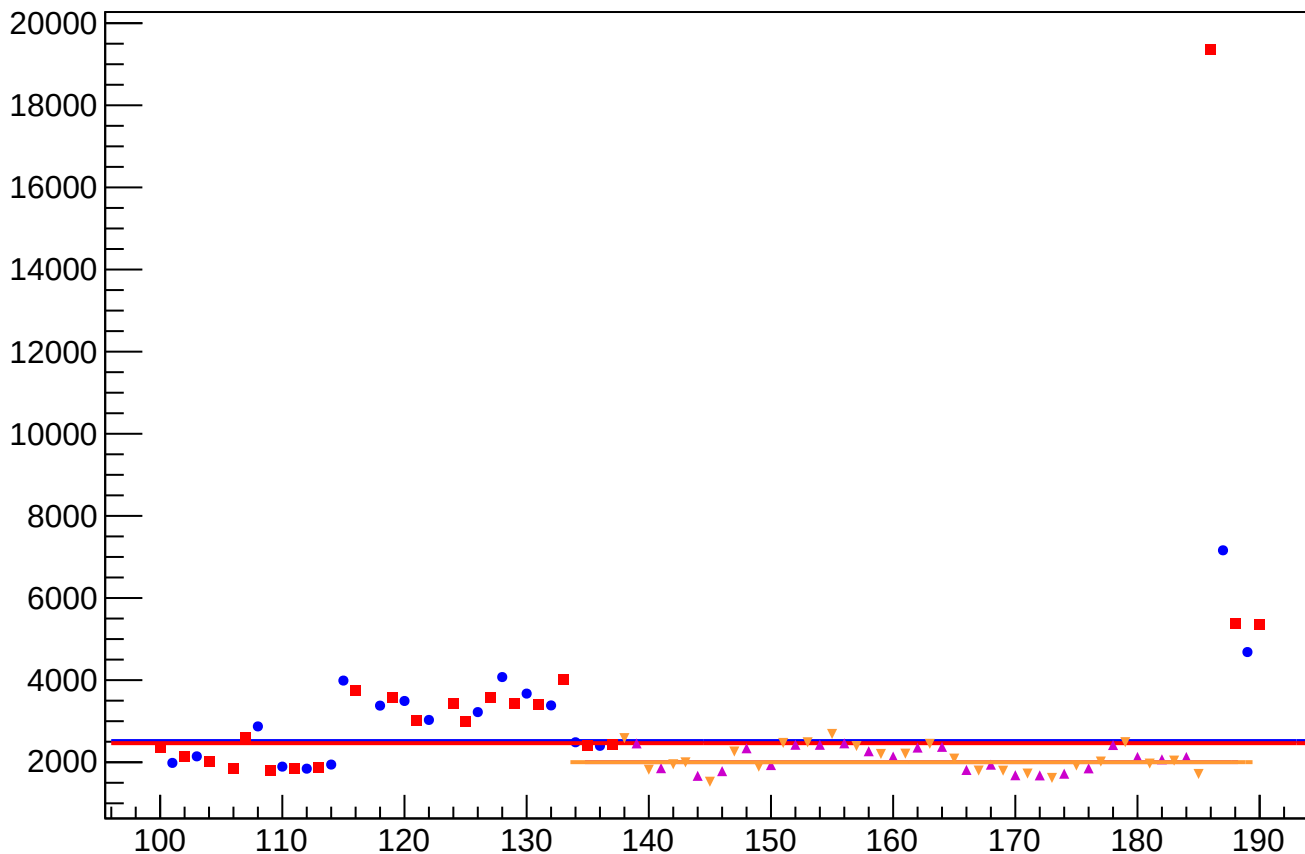
Left In: -313.739 ± 474.086 χ^2/NDF : 23.7/22

+ sign -1830.548 ± 414.045 χ^2/NDF : 79.8/42

All: -1281.767 ± 293.888 χ^2/NDF : 128.1/87

- sign -724.551 ± 417.215 χ^2/NDF : 44.8/44

asym_sam4_reg_correction_rms vs Slug



Right In: 2515.808 $\pm$ 0.662 χ^2 /NDF: 1280269.7/17

Left Out: 2002.229 $\pm$ 0.326 χ^2 /NDF: 892707.2/24

Right Out: 2464.906 $\pm$ 0.621 χ^2 /NDF: 2438381.0/21

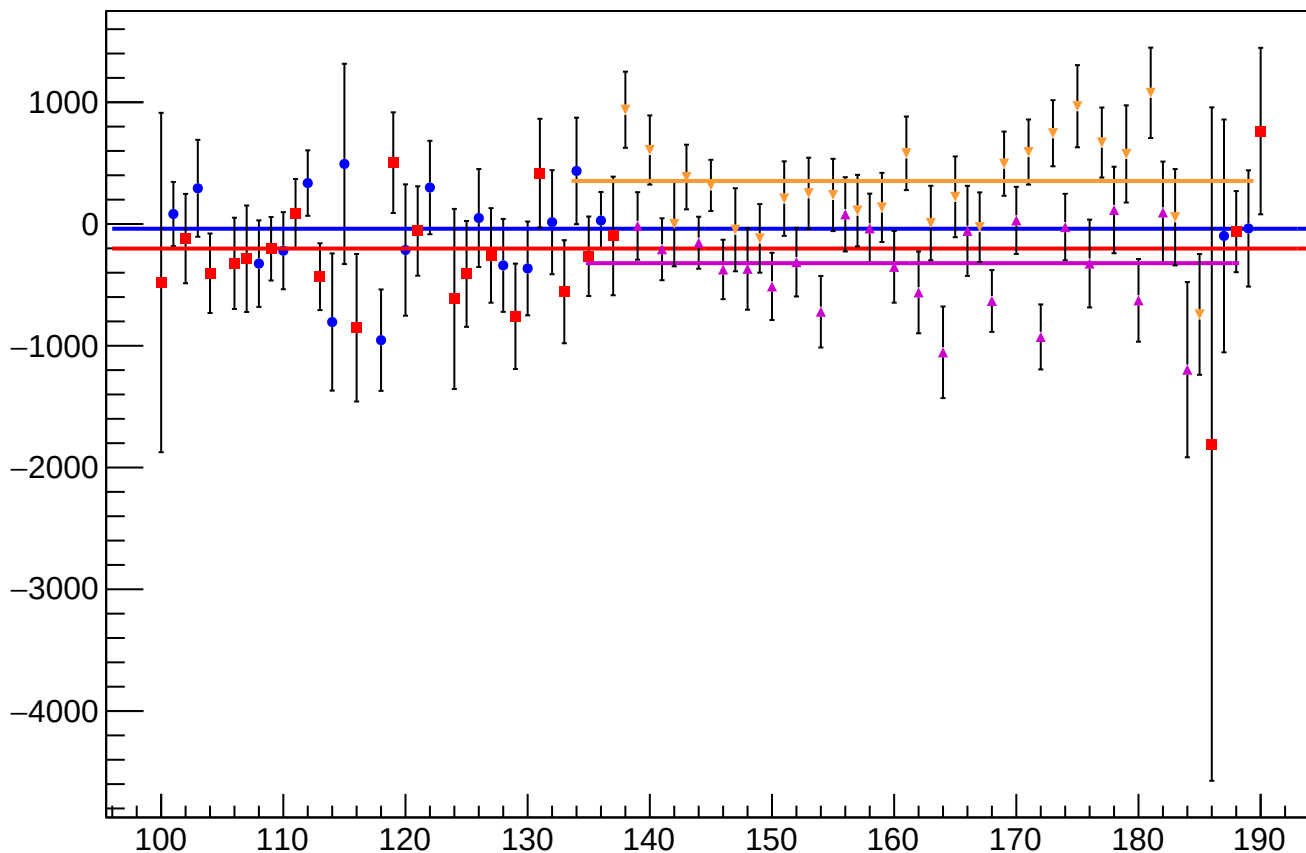
Left In: 2004.244 $\pm$ 0.335 χ^2 /NDF: 704919.9/22

+ sign 2102.686 $\pm$ 0.293 χ^2 /NDF: 2657142.8/42

All: 2105.390 $\pm$ 0.208 χ^2 /NDF: 6226490.8/87

- sign 2108.136 $\pm$ 0.295 χ^2 /NDF: 3569176.0/44

cor_asym_sam4_mean vs Slug



Right In: -38.964 ± 88.644 χ^2/NDF : 14.5/17

Left Out: 353.640 ± 60.149 χ^2/NDF : 32.3/24

Right Out: -201.507 ± 84.320 χ^2/NDF : 14.0/21

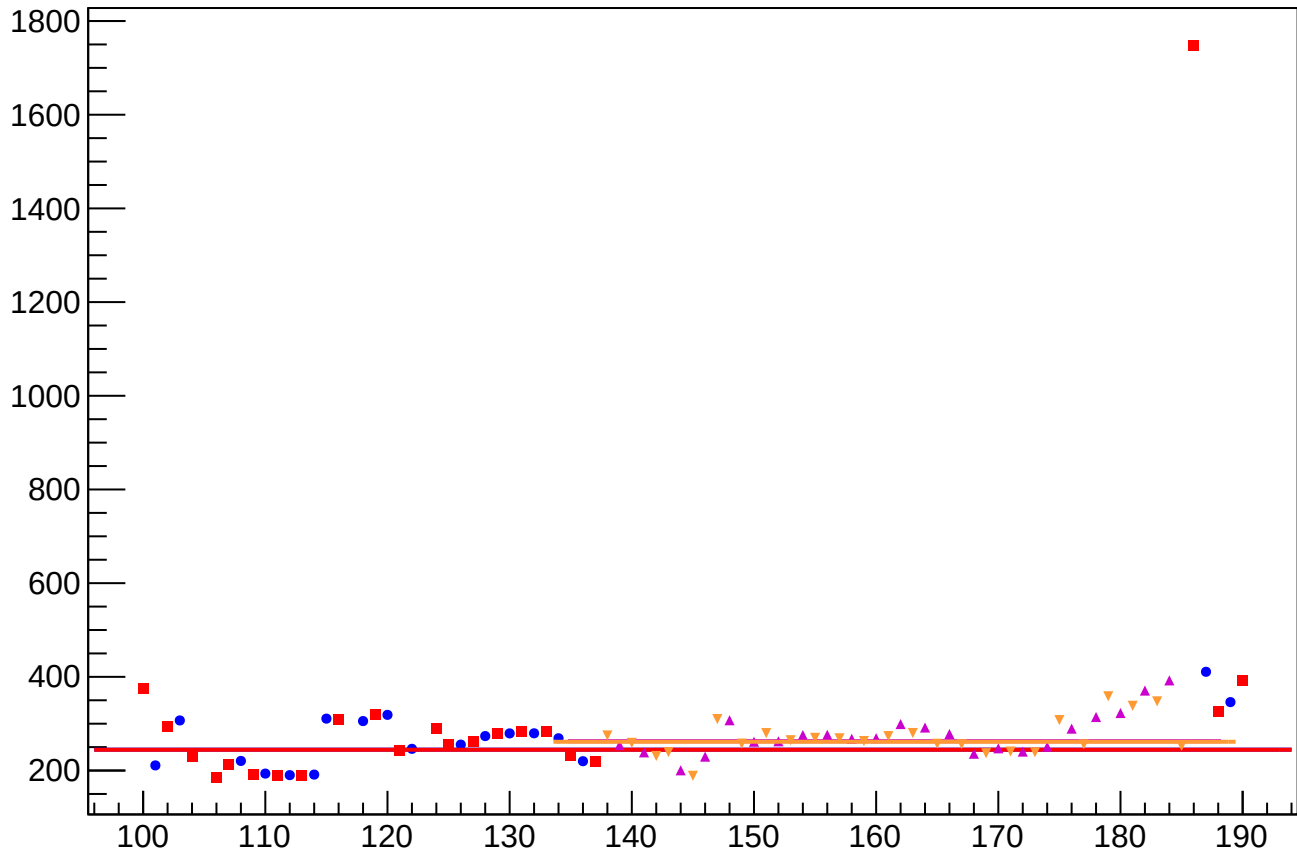
Left In: -321.514 ± 62.113 χ^2/NDF : 26.2/22

+ sign 229.866 ± 49.772 χ^2/NDF : 60.2/42

All: -23.508 ± 35.278 χ^2/NDF : 153.8/87

- sign -279.301 ± 50.010 χ^2/NDF : 41.5/44

cor_asym_sam4_rms vs Slug



Right In: 244.600 $\pm$ 0.063 χ^2 /NDF: 558240.7/17

Left Out: 261.470 $\pm$ 0.043 χ^2 /NDF: 715467.9/24

Right Out: 244.367 $\pm$ 0.060 χ^2 /NDF: 1313129.8/21

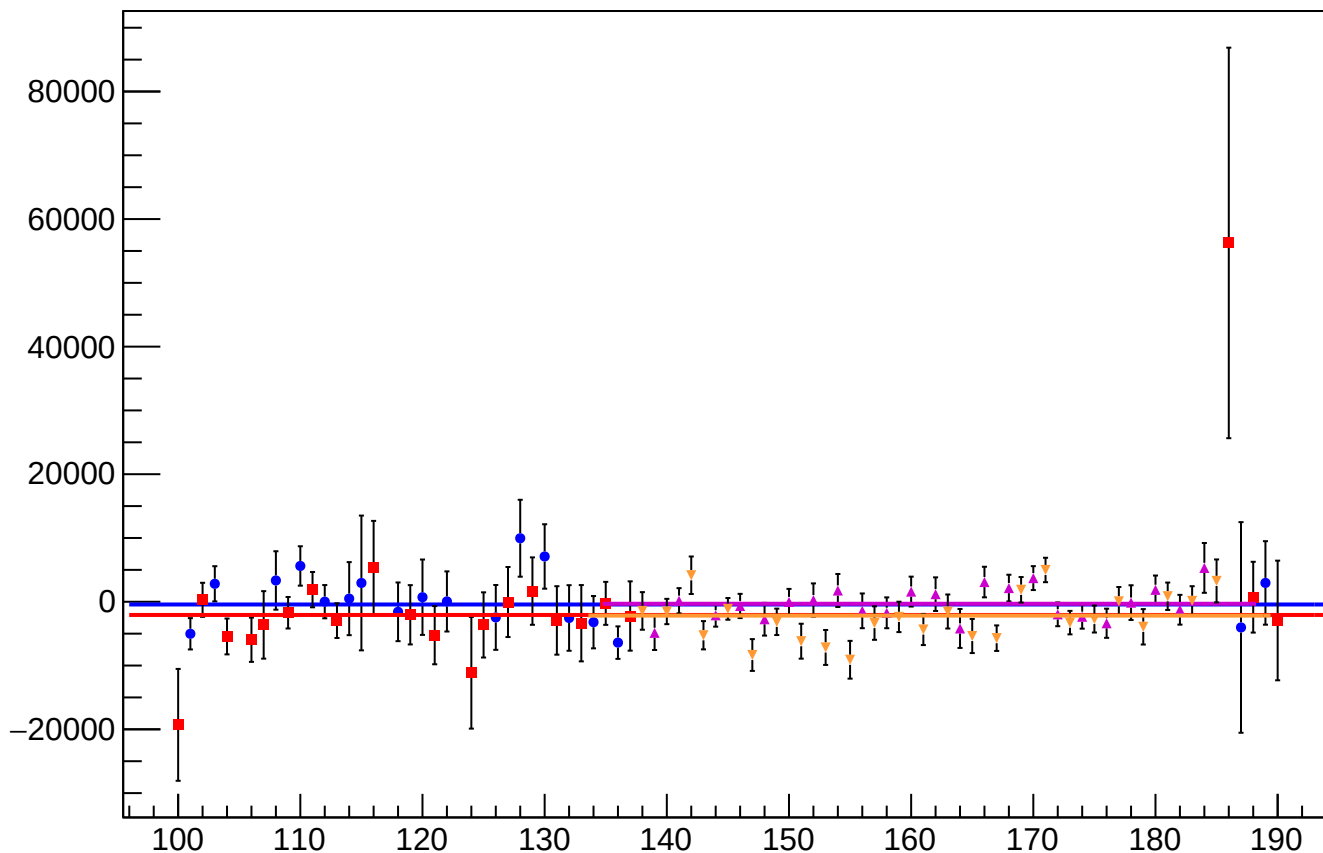
Left In: 262.616 $\pm$ 0.044 χ^2 /NDF: 670646.4/22

+ sign 256.151 $\pm$ 0.035 χ^2 /NDF: 1323305.8/42

All: 256.174 $\pm$ 0.025 χ^2 /NDF: 3367812.5/87

- sign 256.197 $\pm$ 0.035 χ^2 /NDF: 2044505.9/44

asym_sam4_cor_correction_mean vs Slug



Right In: -427.176 ± 936.190 χ^2/NDF : 21.5/17

Left Out: -2171.811 ± 461.649 χ^2/NDF : 55.5/24

Right Out: -2070.137 ± 880.140 χ^2/NDF : 17.2/21

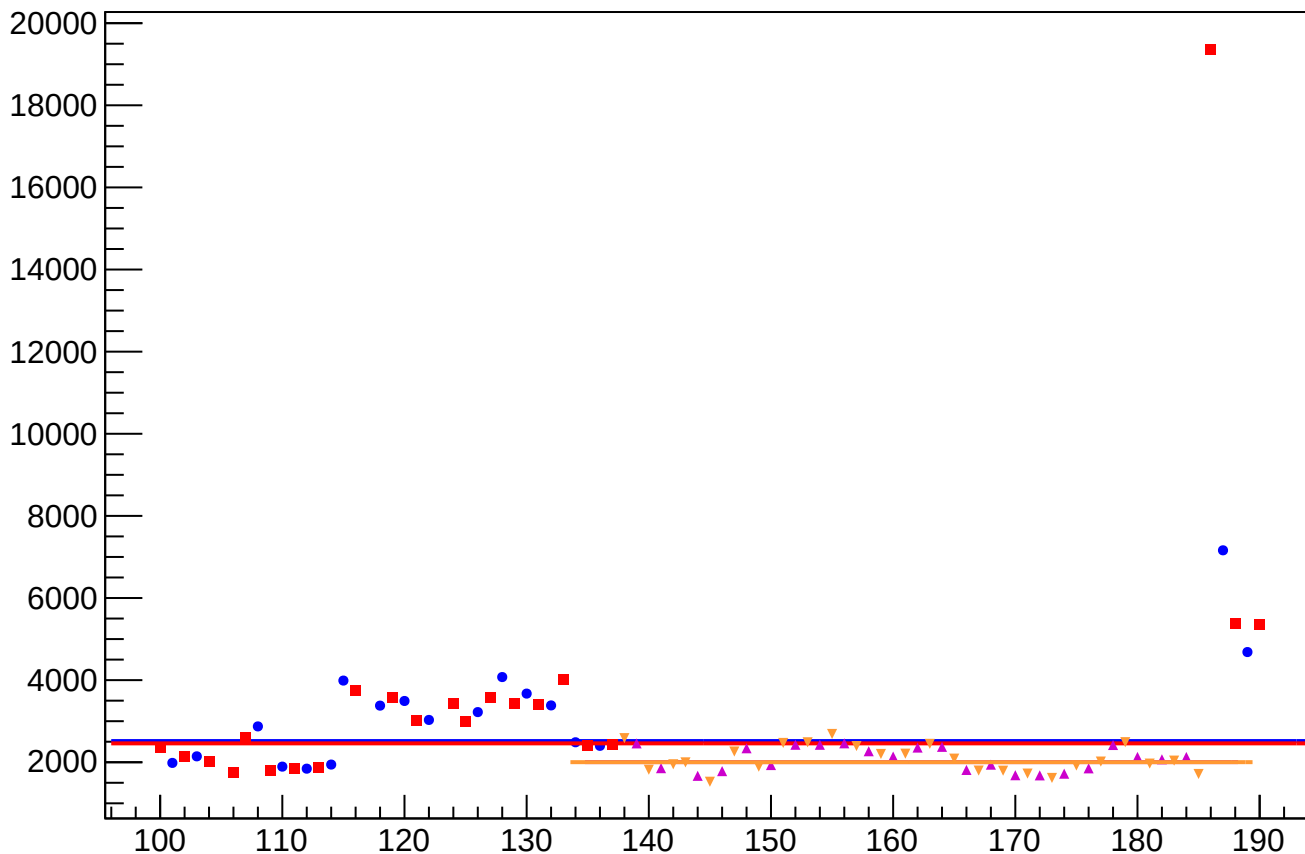
Left In: -313.745 ± 474.086 χ^2/NDF : 23.7/22

+ sign -1830.561 ± 414.045 χ^2/NDF : 79.8/42

All: -1274.160 ± 293.948 χ^2/NDF : 127.3/87

- sign -708.742 ± 417.386 χ^2/NDF : 43.9/44

asym_sam4_cor_correction_rms vs Slug



Right In: 2515.833+/-0.662 χ^2/NDF : 1280231.7/17

Left Out: 2002.229+/-0.326 χ^2/NDF : 892706.8/24

Right Out: 2460.032+/-0.622 χ^2/NDF : 2459419.9/21

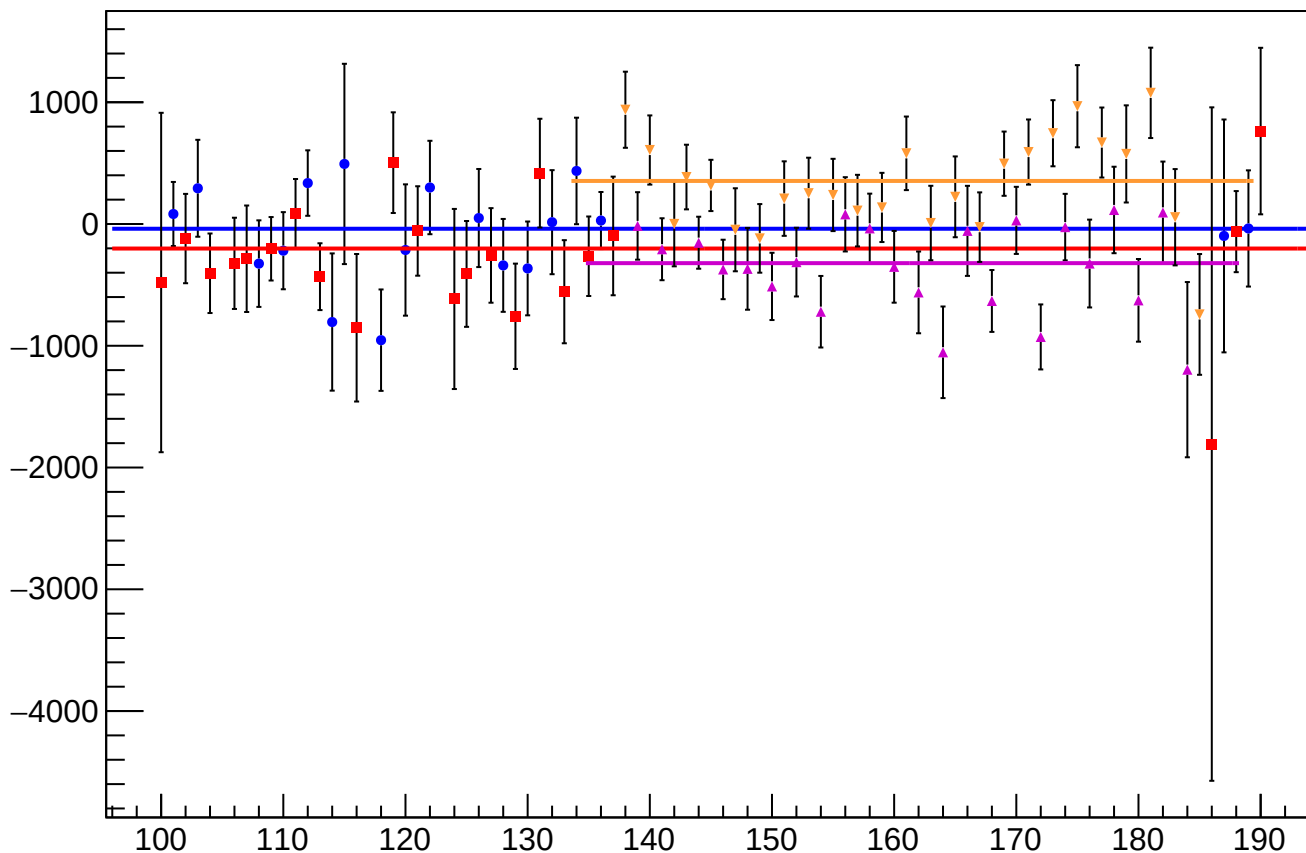
Left In: 2004.244+/-0.335 χ^2/NDF : 704920.5/22

+ sign 2102.690+/-0.293 χ^2/NDF : 2657144.9/42

All: 2104.702+/-0.208 χ^2/NDF : 6237313.5/87

- sign 2106.747+/-0.295 χ^2/NDF : 3580073.4/44

eigen_cor_asym_sam4_mean vs Slug



Right In: -38.964 ± 88.644 χ^2/NDF : 14.5/17

Left Out: 353.640 ± 60.149 χ^2/NDF : 32.3/24

Right Out: -201.507 ± 84.320 χ^2/NDF : 14.0/21

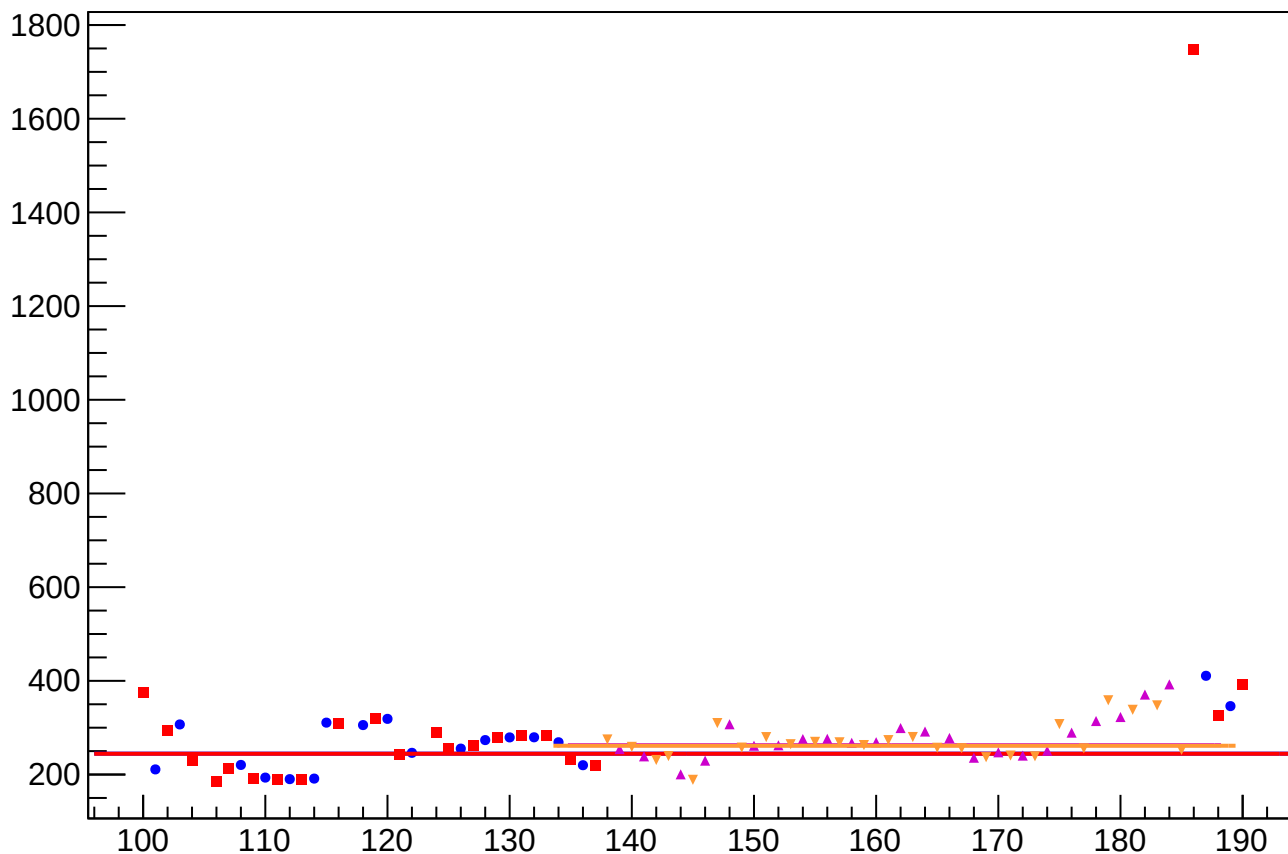
Left In: -321.514 ± 62.113 χ^2/NDF : 26.2/22

+ sign 229.866 ± 49.772 χ^2/NDF : 60.2/42

All: -23.508 ± 35.278 χ^2/NDF : 153.8/87

- sign -279.301 ± 50.010 χ^2/NDF : 41.5/44

eigen_cor_asym_sam4_rms vs Slug



Right In: 244.600+/-0.063 χ^2/NDF : 558240.7/17

Left Out: 261.470+/-0.043 χ^2/NDF : 715467.9/24

Right Out: 244.367+/-0.060 χ^2/NDF : 1313129.8/21

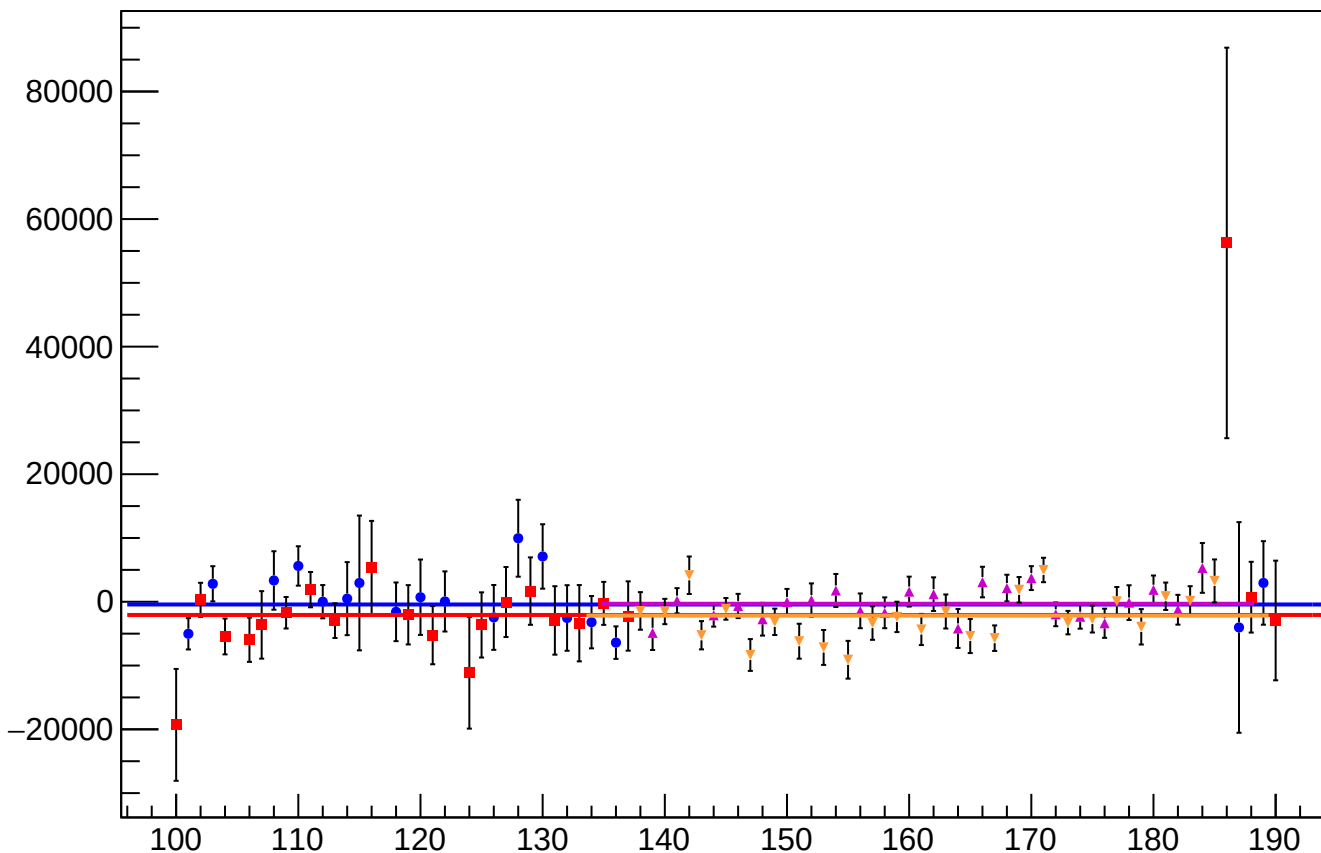
Left In: 262.616+/-0.044 χ^2/NDF : 670646.4/22

+ sign 256.151+/-0.035 χ^2/NDF : 1323305.8/42

All: 256.174+/-0.025 χ^2/NDF : 3367812.5/87

- sign 256.197+/-0.035 χ^2/NDF : 2044505.9/44

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -427.176+/-936.190 χ^2/NDF : 21.5/17

Left Out: -2171.811+/-461.649 χ^2/NDF : 55.5/24

Right Out: -2070.137+/-880.140 χ^2/NDF : 17.2/21

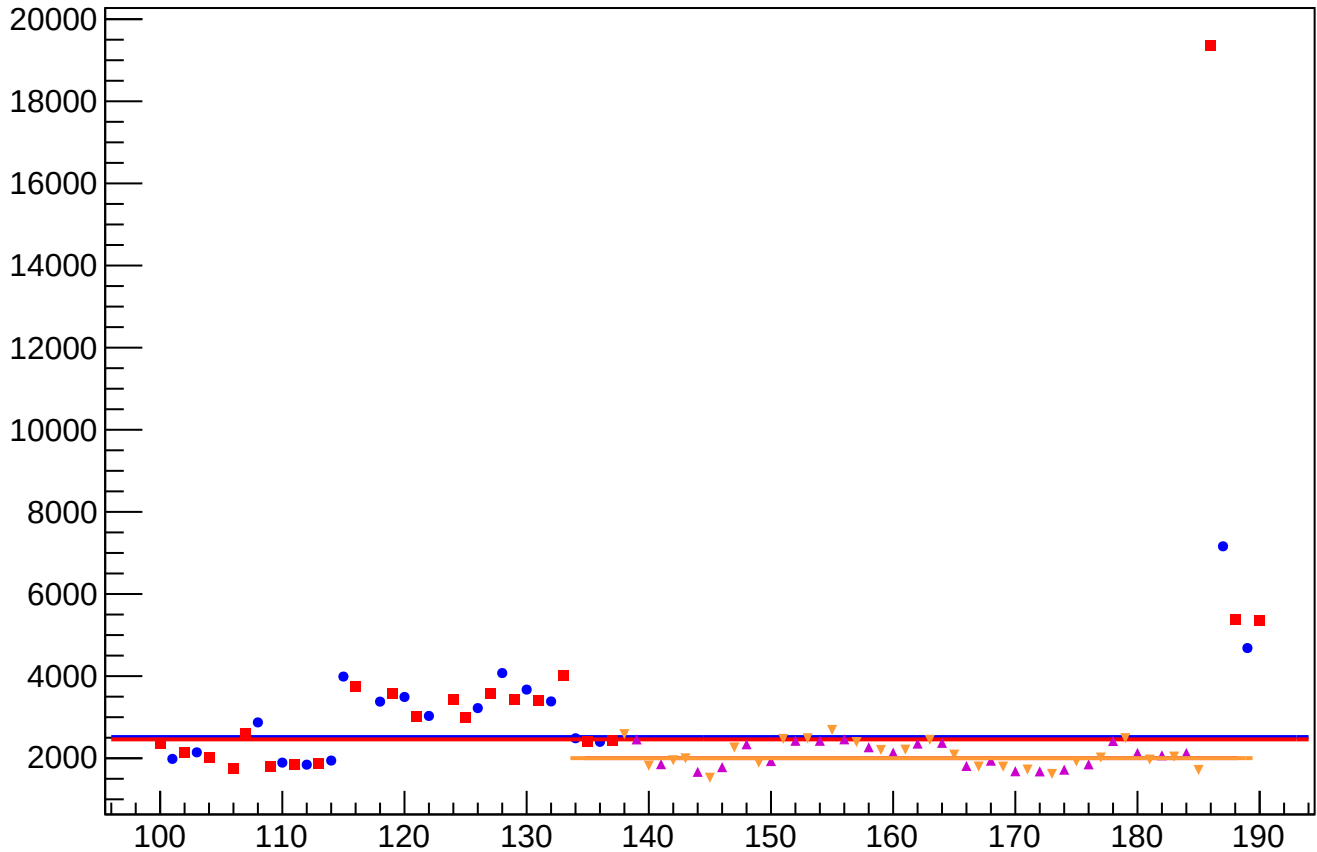
Left In: -313.745+/-474.086 χ^2/NDF : 23.7/22

+ sign -1830.561+/-414.045 χ^2/NDF : 79.8/42

All: -1274.160+/-293.948 χ^2/NDF : 127.3/87

- sign -708.742+/-417.386 χ^2/NDF : 43.9/44

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2515.833+/-0.662 χ^2/NDF : 1280231.7/17

Left Out: 2002.229+/-0.326 χ^2/NDF : 892706.8/24

Right Out: 2460.032+/-0.622 χ^2/NDF : 2459419.9/21

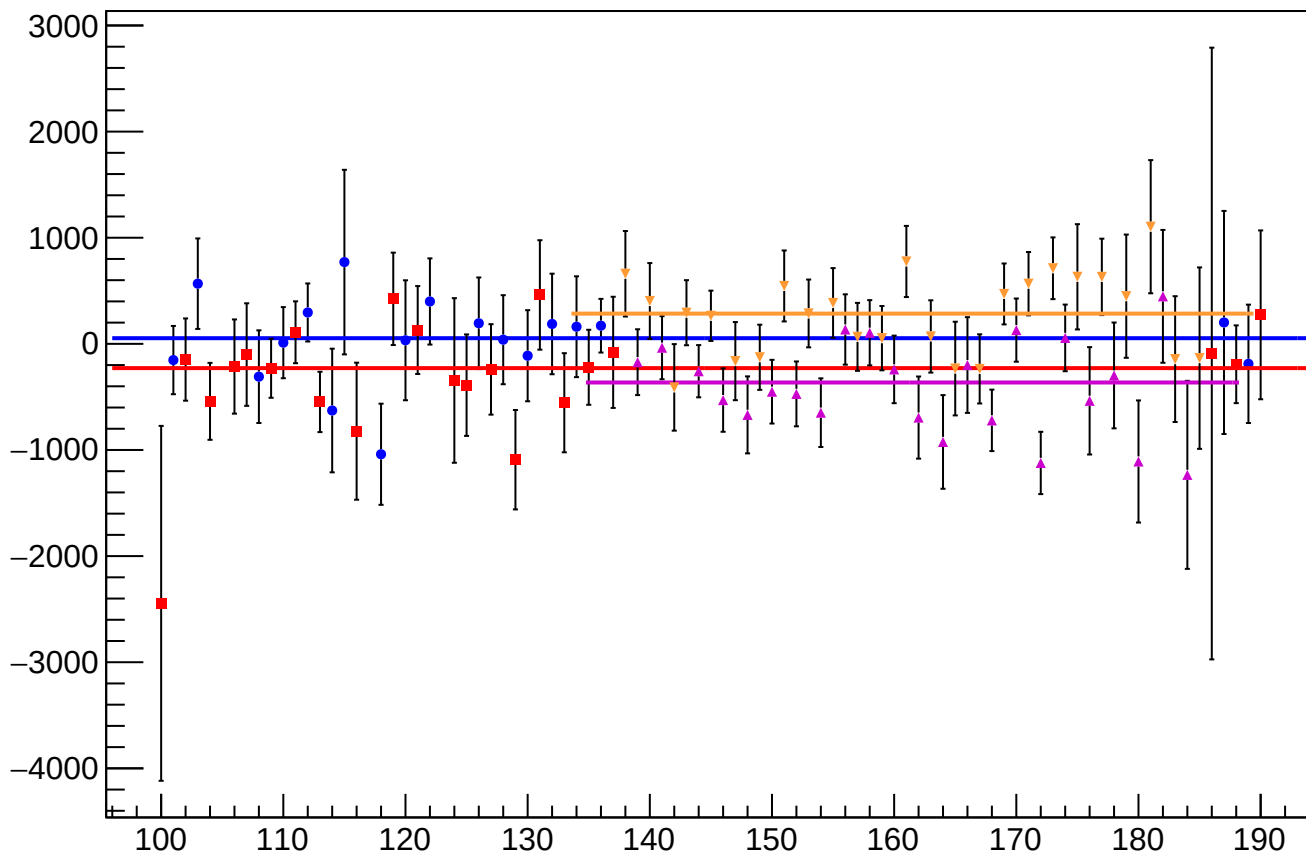
Left In: 2004.244+/-0.335 χ^2/NDF : 704920.5/22

+ sign 2102.690+/-0.293 χ^2/NDF : 2657144.9/42

All: 2104.702+/-0.208 χ^2/NDF : 6237313.5/87

- sign 2106.747+/-0.295 χ^2/NDF : 3580073.4/44

dit_asym_sam4_mean vs Slug



Right In: 53.399+/-97.276 χ^2/NDF : 12.2/17

Left Out: 284.913+/-70.036 χ^2/NDF : 22.8/24

Right Out: -228.738+/-91.359 χ^2/NDF : 15.4/21

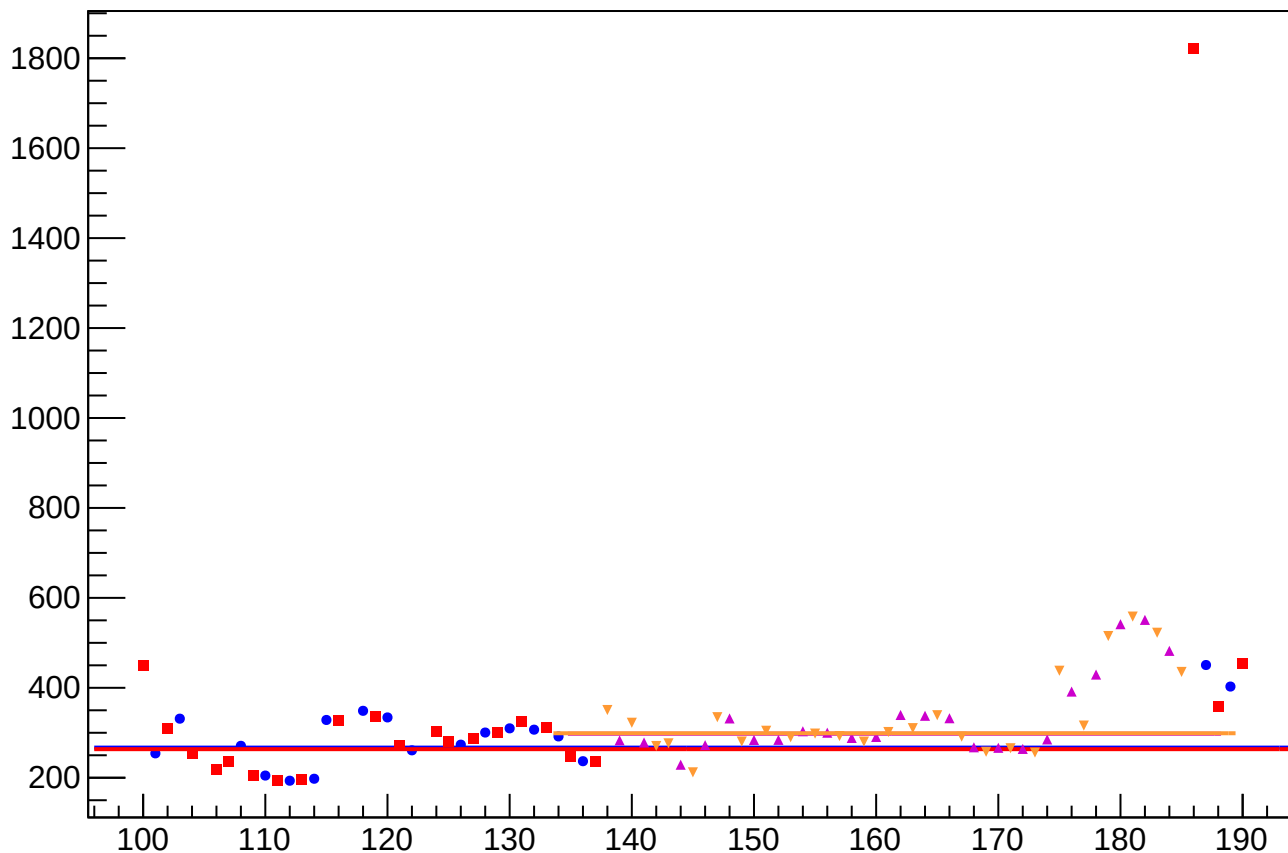
Left In: -364.163+/-71.714 χ^2/NDF : 28.2/22

+ sign 205.875+/-56.837 χ^2/NDF : 38.8/42

All: -55.284+/-40.038 χ^2/NDF : 125.6/87

- sign -312.532+/-56.410 χ^2/NDF : 44.9/44

dit_asym_sam4_rms vs Slug



Right In: 267.025+/-0.069 χ^2/NDF : 649458.0/17

Left Out: 298.938+/-0.050 χ^2/NDF : 1613077.3/24

Right Out: 263.556+/-0.065 χ^2/NDF : 1394428.6/21

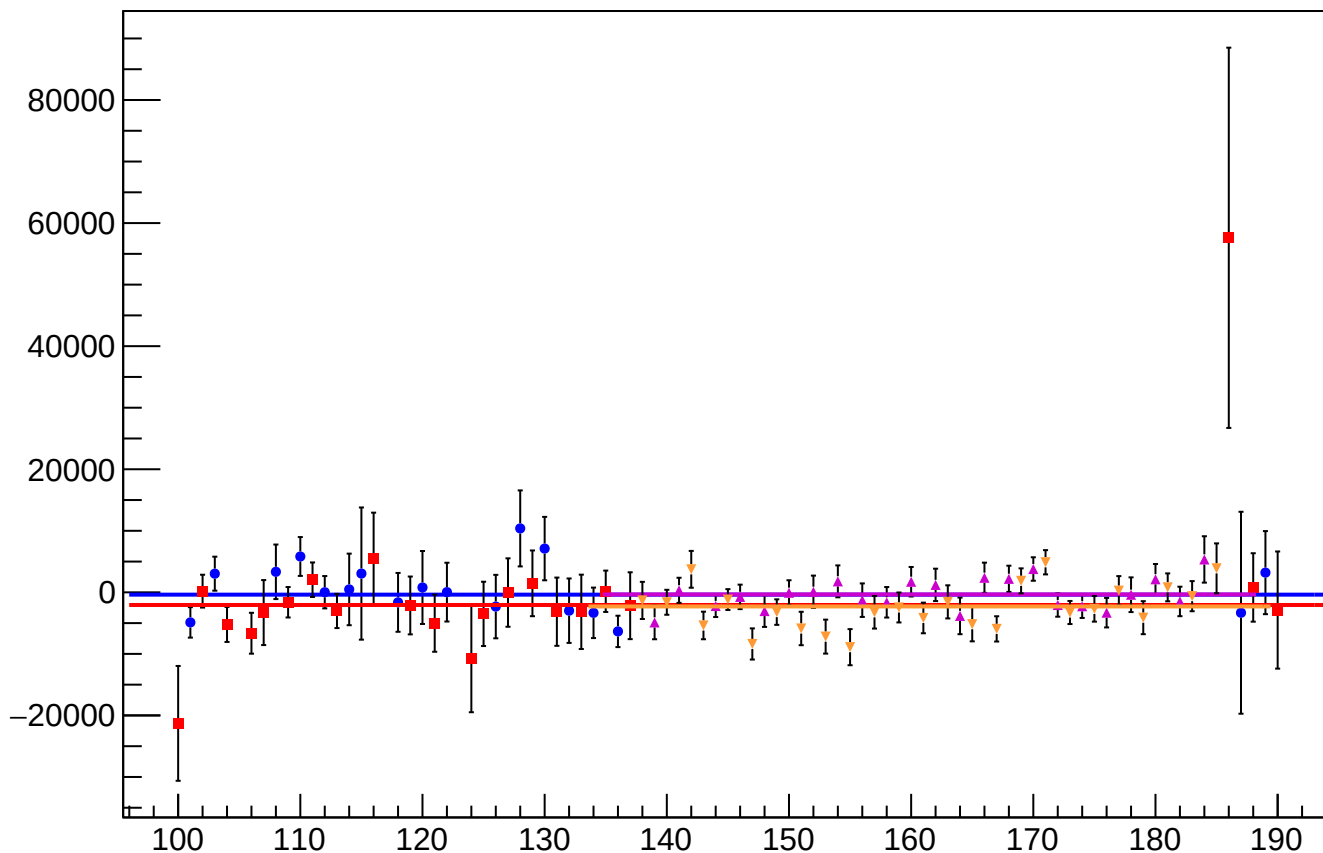
Left In: 297.885+/-0.051 χ^2/NDF : 1319062.0/22

+ sign 288.043+/-0.040 χ^2/NDF : 2404305.4/42

All: 286.408+/-0.028 χ^2/NDF : 5295808.5/87

- sign 284.797+/-0.040 χ^2/NDF : 2888217.7/44

asym_sam4_dit_correction_mean vs Slug



Right In: -375.044 ± 944.143 χ^2/NDF : 21.5/17

Left Out: -2290.992 ± 470.518 χ^2/NDF : 51.7/24

Right Out: -2053.917 ± 885.276 χ^2/NDF : 18.0/21

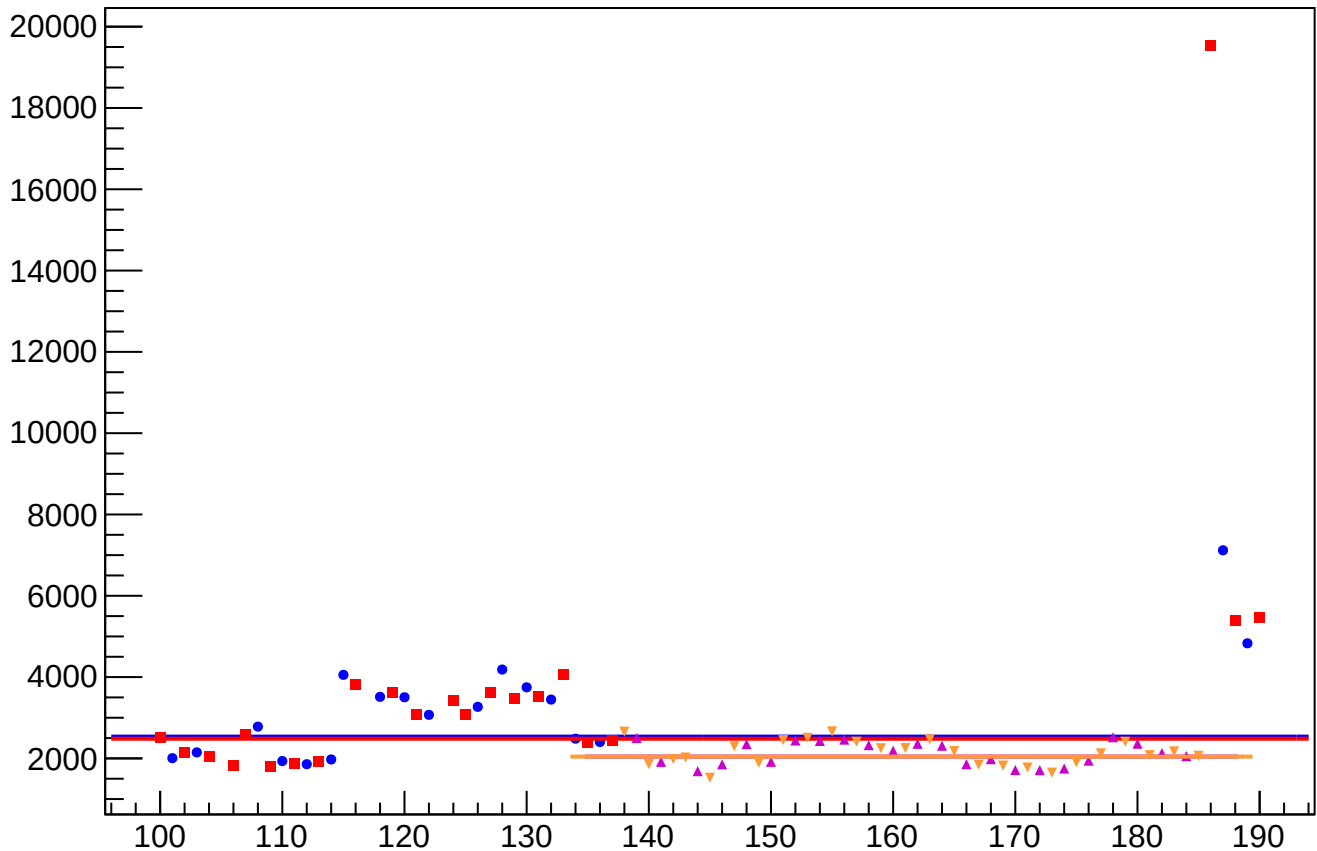
Left In: -342.609 ± 483.605 χ^2/NDF : 22.8/22

+ sign -1909.820 ± 421.121 χ^2/NDF : 76.5/42

All: -1327.435 ± 298.933 χ^2/NDF : 124.1/87

- sign -735.921 ± 424.408 χ^2/NDF : 43.7/44

asym_sam4_dit_correction_rms vs Slug



Right In: 2536.116 $\pm$ 0.668 χ^2 /NDF: 1311840.1/17

Left Out: 2043.746 $\pm$ 0.333 χ^2 /NDF: 853391.4/24

Right Out: 2483.929 $\pm$ 0.626 χ^2 /NDF: 2465457.7/21

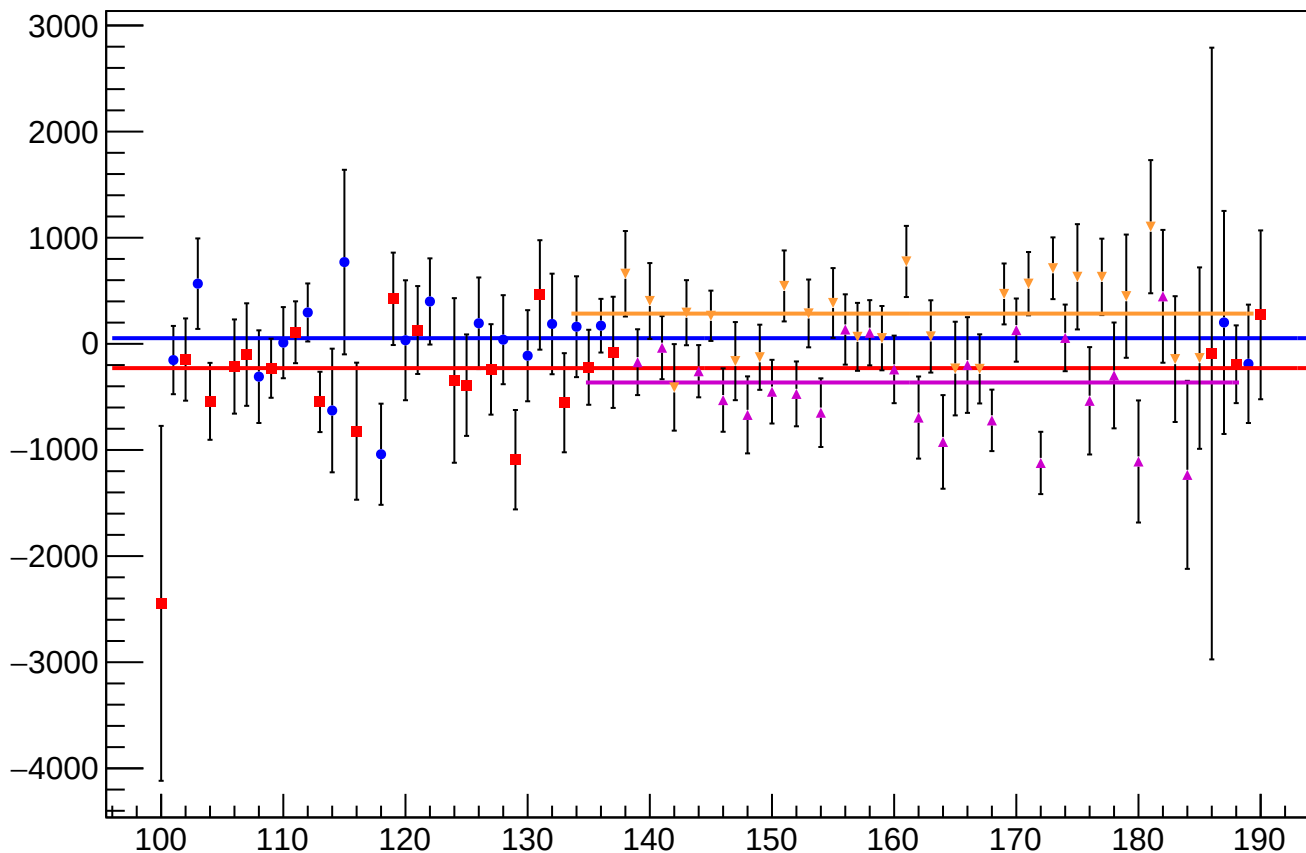
Left In: 2045.178 $\pm$ 0.342 χ^2 /NDF: 690219.7/22

+ sign 2141.701 $\pm$ 0.298 χ^2 /NDF: 2600943.7/42

All: 2143.842 $\pm$ 0.211 χ^2 /NDF: 6135076.3/87

- sign 2146.017 $\pm$ 0.300 χ^2 /NDF: 3534028.4/44

eigen_dit_asym_sam4_mean vs Slug



Right In: 53.404 $\pm$ 97.276 χ^2 /NDF: 12.2/17

Left Out: 284.918 $\pm$ 70.036 χ^2 /NDF: 22.8/24

Right Out: -228.739 $\pm$ 91.359 χ^2 /NDF: 15.4/21

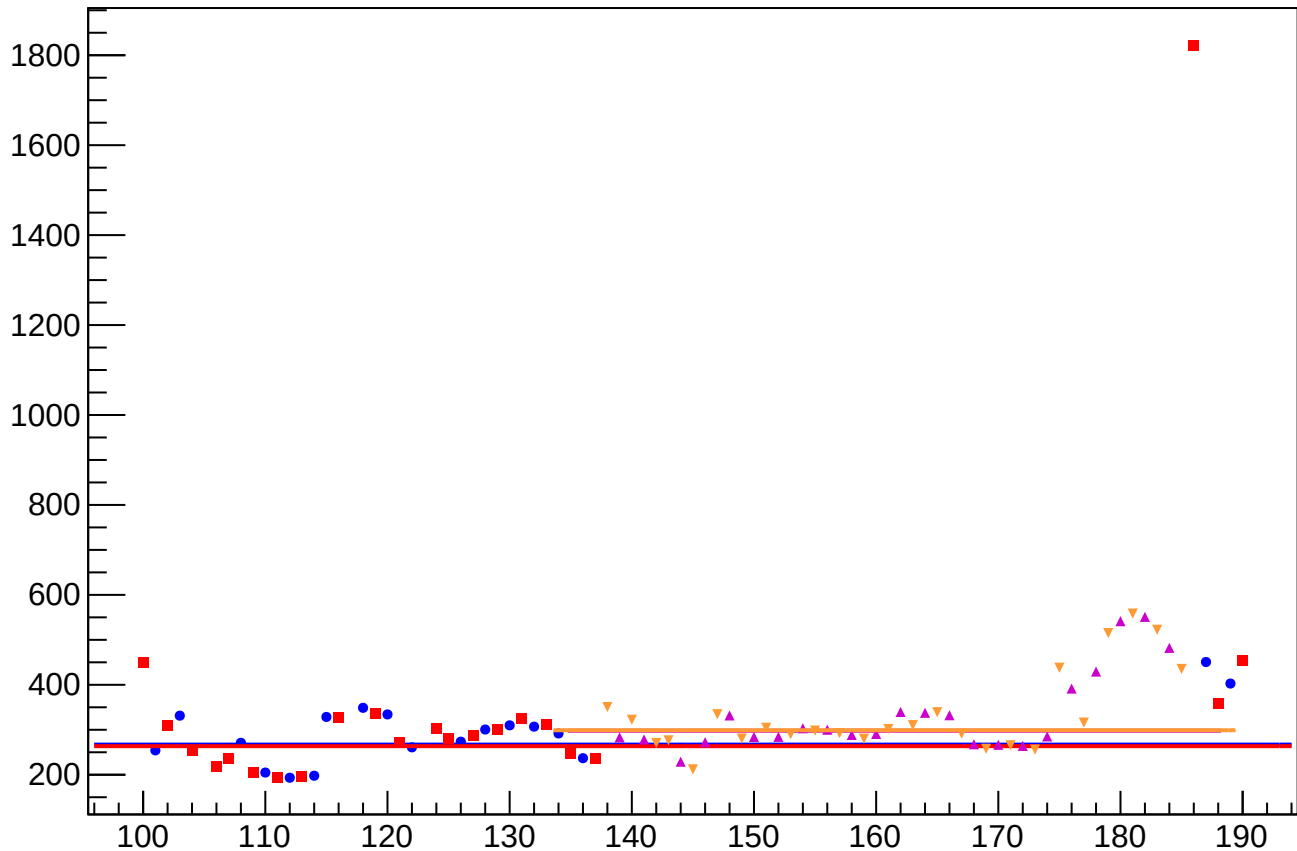
Left In: -364.164 $\pm$ 71.714 χ^2 /NDF: 28.2/22

+ sign 205.880 $\pm$ 56.837 χ^2 /NDF: 38.8/42

All: -55.282 $\pm$ 40.038 χ^2 /NDF: 125.6/87

- sign -312.533 $\pm$ 56.410 χ^2 /NDF: 44.9/44

eigen_dit_asym_sam4_rms vs Slug



Right In: 267.025+/-0.069 χ^2/NDF : 649457.3/17

Left Out: 298.938+/-0.050 χ^2/NDF : 1613074.5/24

Right Out: 263.556+/-0.065 χ^2/NDF : 1394433.7/21

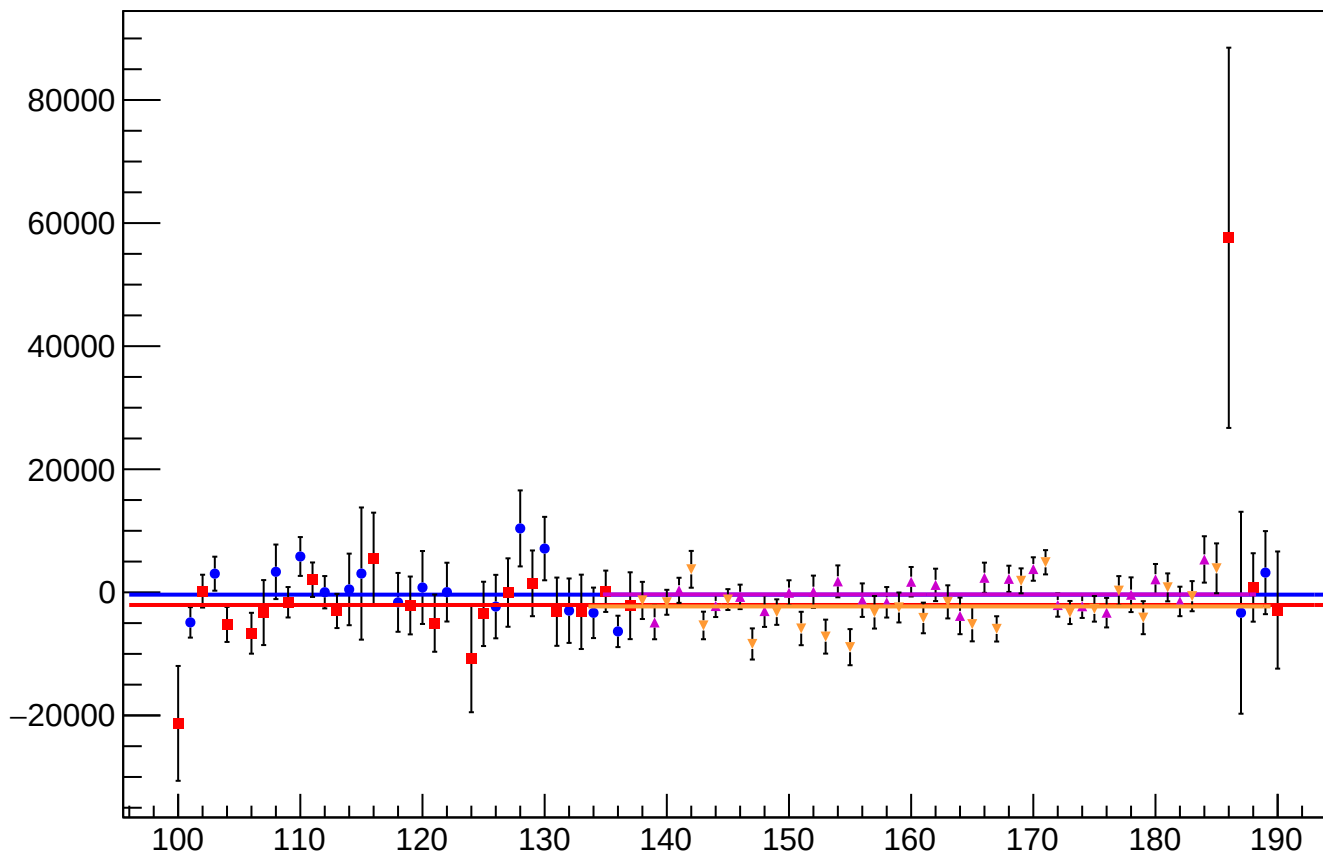
Left In: 297.885+/-0.051 χ^2/NDF : 1319043.7/22

+ sign 288.043+/-0.040 χ^2/NDF : 2404304.2/42

All: 286.408+/-0.028 χ^2/NDF : 5295796.8/87

- sign 284.797+/-0.040 χ^2/NDF : 2888207.0/44

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -375.043 ± 944.143 χ^2/NDF : 21.5/17

Left Out: -2290.986 ± 470.517 χ^2/NDF : 51.7/24

Right Out: -2053.915 ± 885.276 χ^2/NDF : 18.0/21

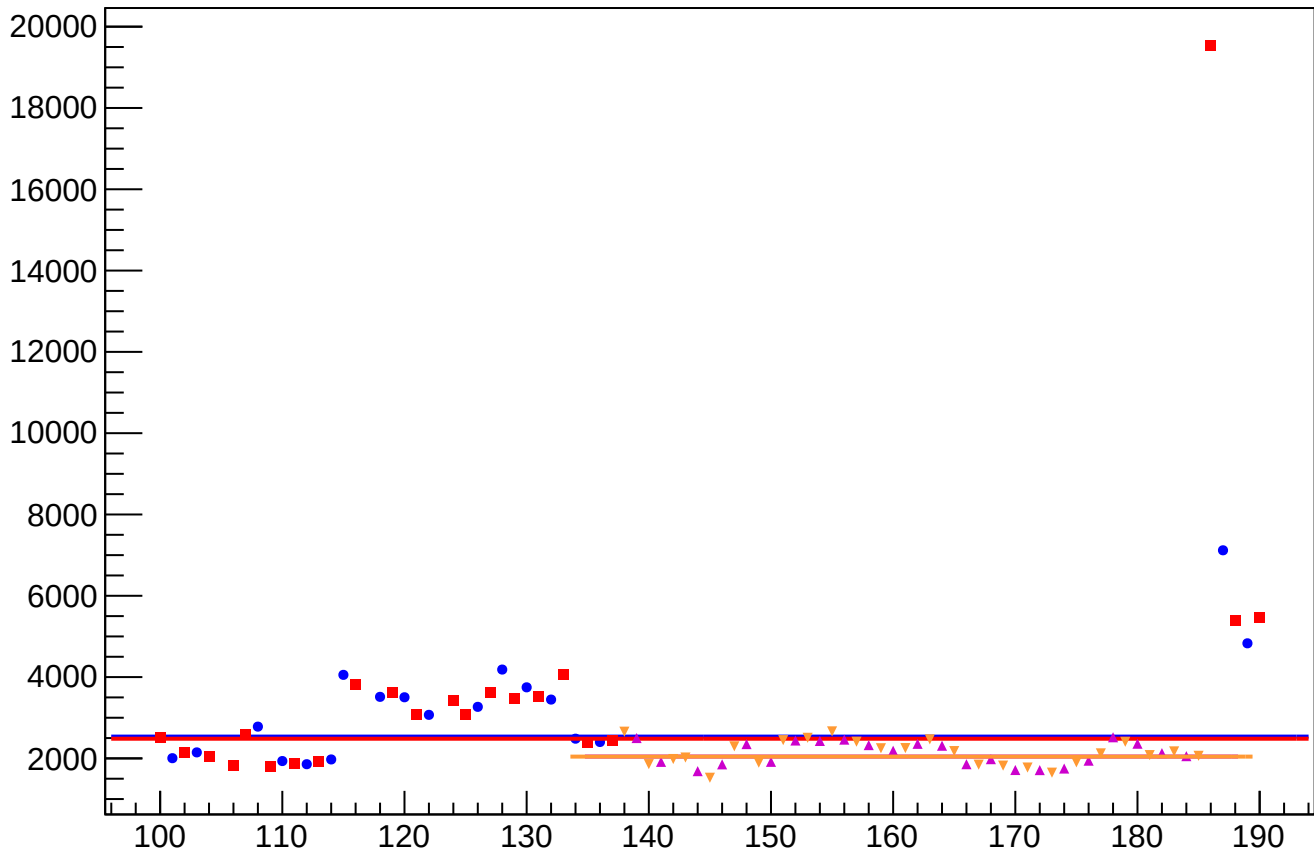
Left In: -342.606 ± 483.604 χ^2/NDF : 22.8/22

+ sign -1909.816 ± 421.120 χ^2/NDF : 76.5/42

All: -1327.431 ± 298.932 χ^2/NDF : 124.1/87

- sign -735.919 ± 424.408 χ^2/NDF : 43.7/44

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2536.114 $\pm$ 0.668 χ^2 /NDF: 1311842.4/17

Left Out: 2043.742 $\pm$ 0.333 χ^2 /NDF: 853393.7/24

+ sign 2141.698 $\pm$ 0.298 χ^2 /NDF: 2600951.5/42

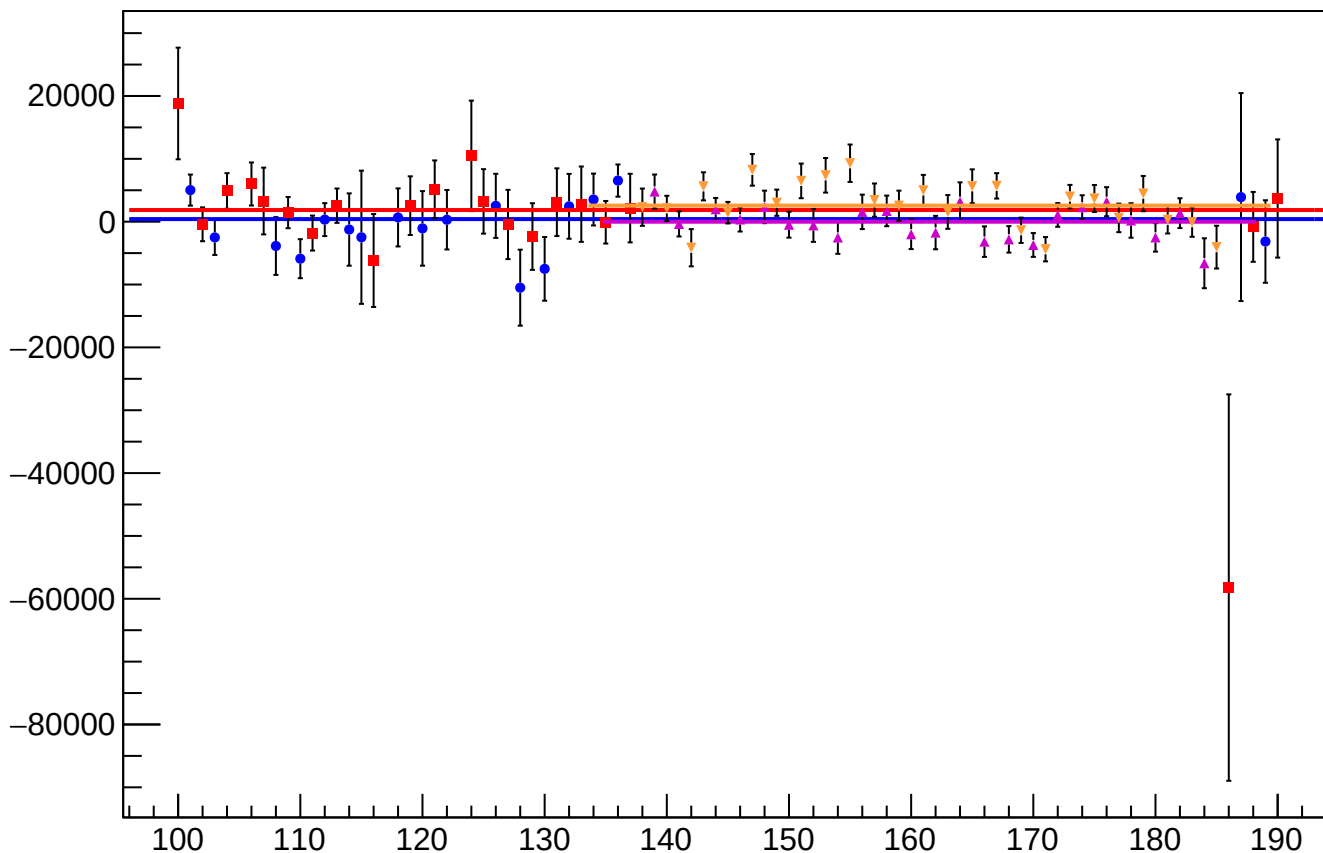
Right Out: 2483.928 $\pm$ 0.626 χ^2 /NDF: 2465457.8/21

All: 2143.840 $\pm$ 0.211 χ^2 /NDF: 6135085.3/87

Left In: 2045.175 $\pm$ 0.342 χ^2 /NDF: 690218.2/22

- sign 2146.014 $\pm$ 0.300 χ^2 /NDF: 3534029.6/44

asym_sam4_mean vs Slug



Right In: 413.758 $\pm$ 941.349 χ^2 /NDF: 22.5/17

Left Out: 2559.048 $\pm$ 465.944 χ^2 /NDF: 52.7/24

Right Out: 1854.659 $\pm$ 883.849 χ^2 /NDF: 16.9/21

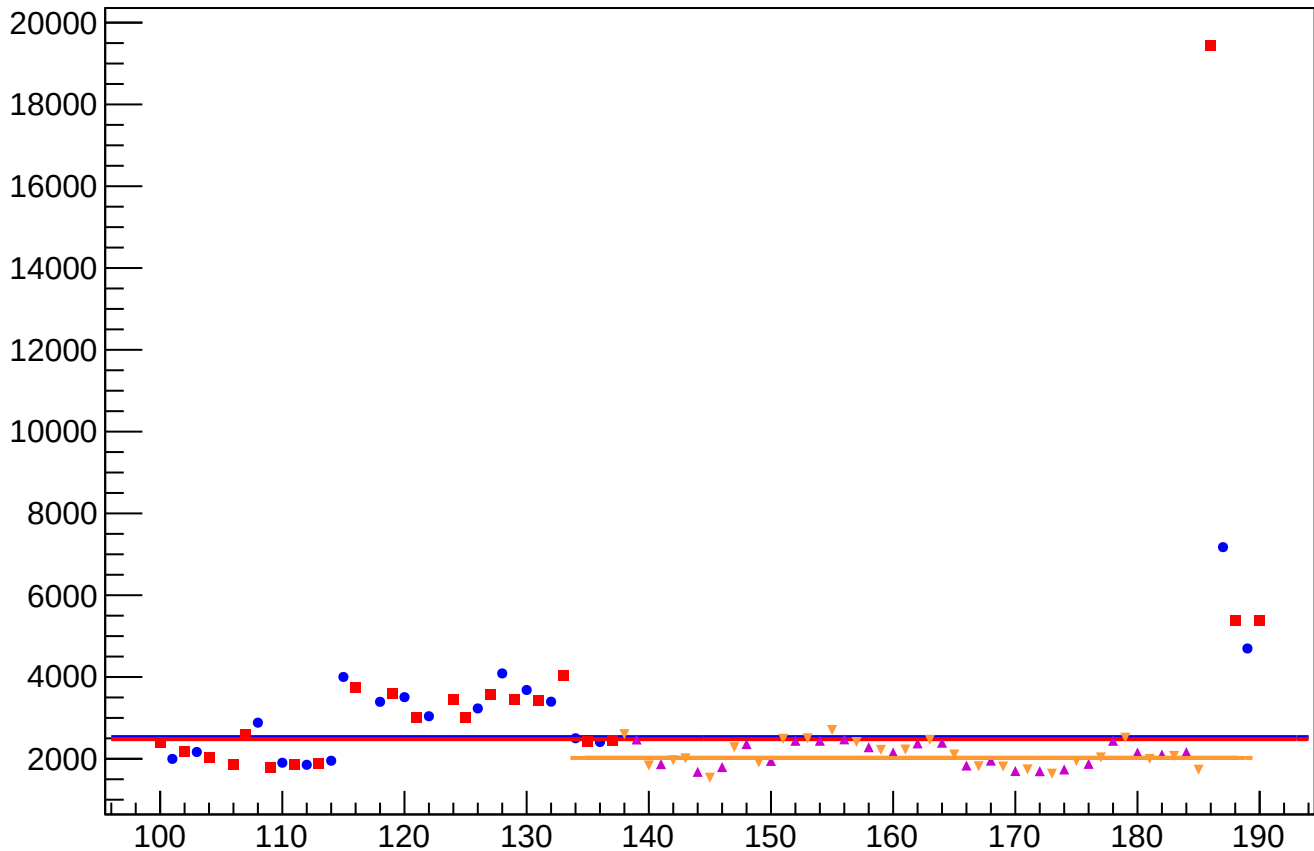
Left In: -3.474 $\pm$ 478.514 χ^2 /NDF: 24.7/22

+ sign 2136.882 $\pm$ 417.589 χ^2 /NDF: 79.3/42

All: 1283.882 $\pm$ 296.409 χ^2 /NDF: 132.7/87

- sign 417.711 $\pm$ 420.801 χ^2 /NDF: 45.0/44

asym_sam4_rms vs Slug



Right In: 2530.678+/-0.666 χ^2/NDF : 1269921.7/17

Left Out: 2021.266+/-0.329 χ^2/NDF : 881370.9/24

Right Out: 2480.327+/-0.625 χ^2/NDF : 2424159.0/21

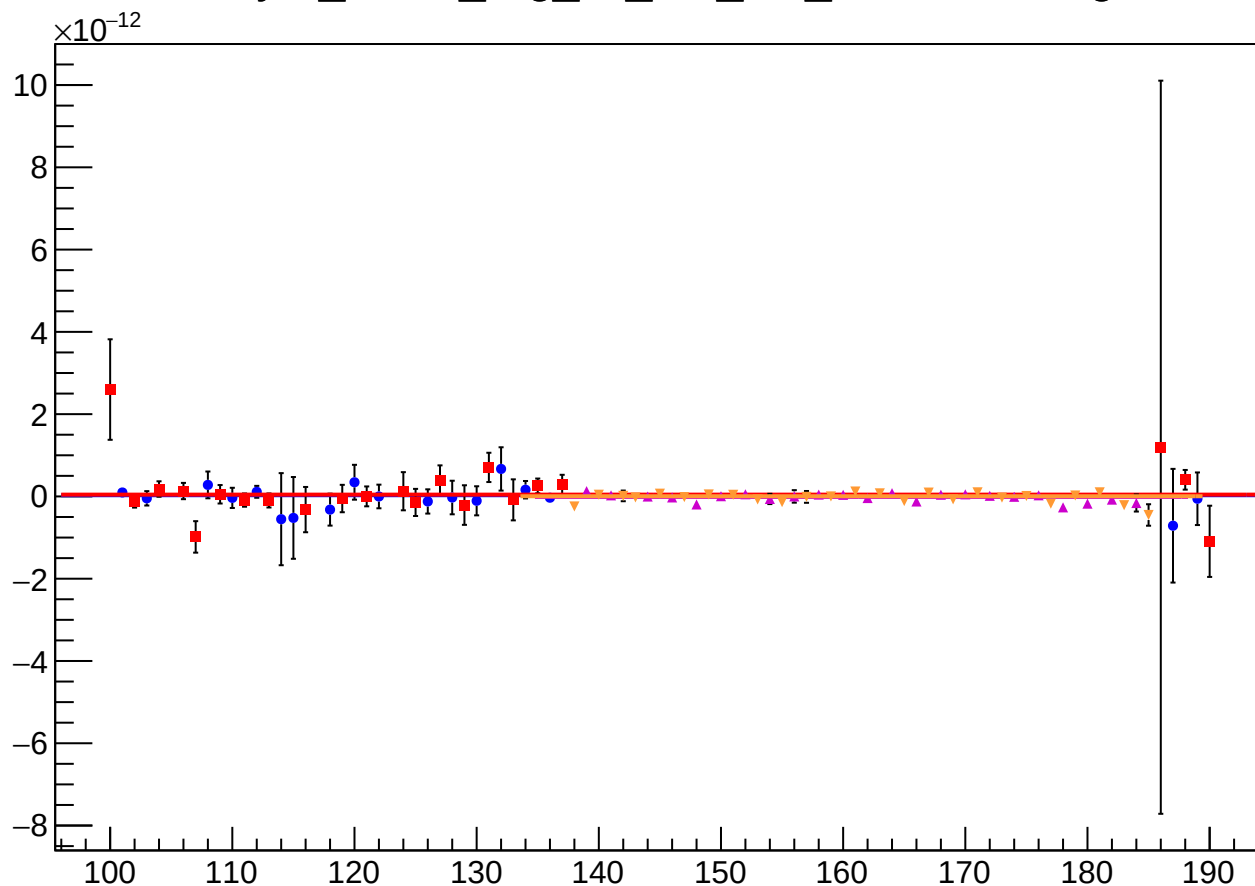
Left In: 2023.284+/-0.338 χ^2/NDF : 696055.4/22

+ sign 2121.512+/-0.295 χ^2/NDF : 2621726.5/42

All: 2124.176+/-0.210 χ^2/NDF : 6155679.0/87

- sign 2126.882+/-0.298 χ^2/NDF : 3533788.4/44

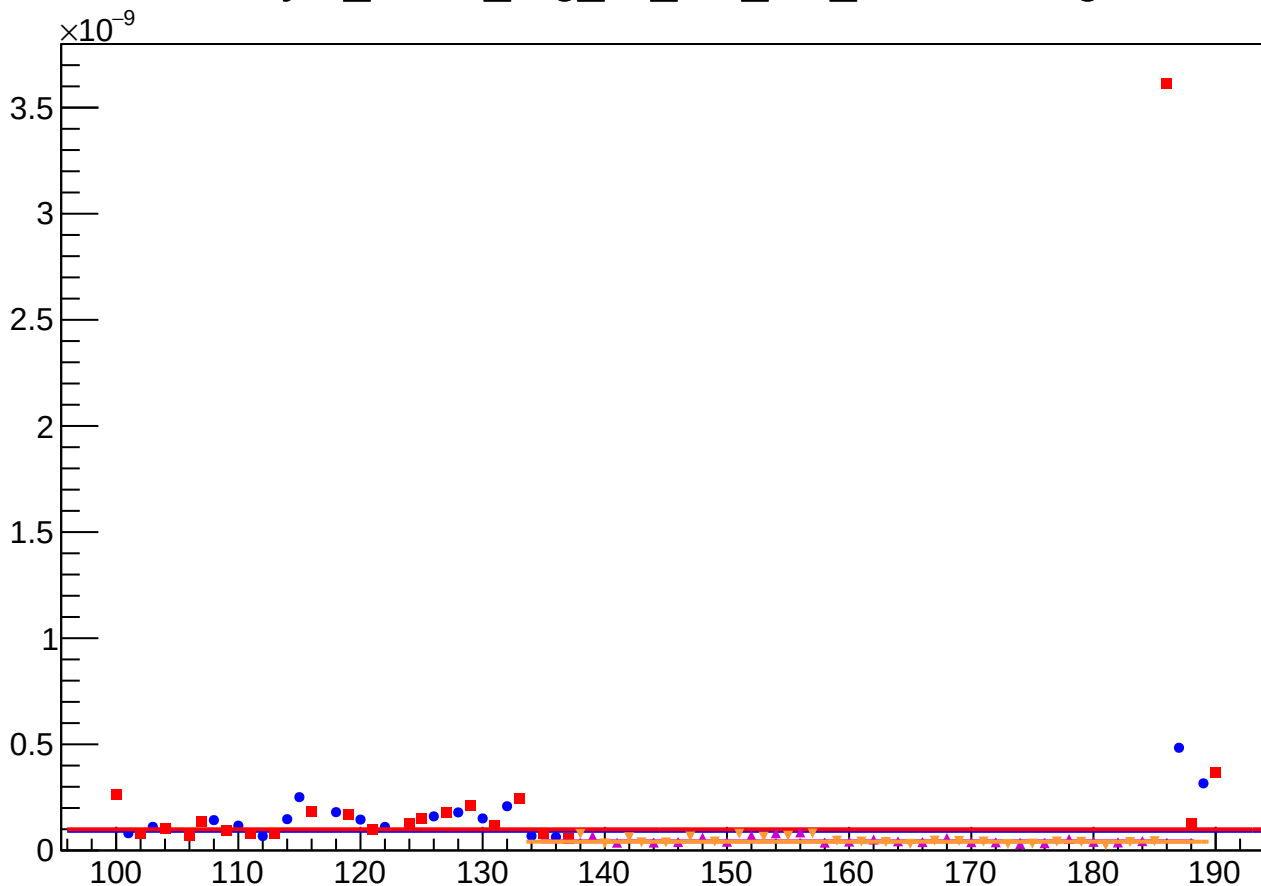
asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6.4/17
 Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:32.1/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.3/21
 Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 38.8/42
 All: 0.000 $\pm$ 0.000 χ^2 /NDF: 88.1/87
 - sign -0.000 $\pm$ 0.000 χ^2 /NDF: 49.0/44

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1335145.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1235677.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1385132.4/21

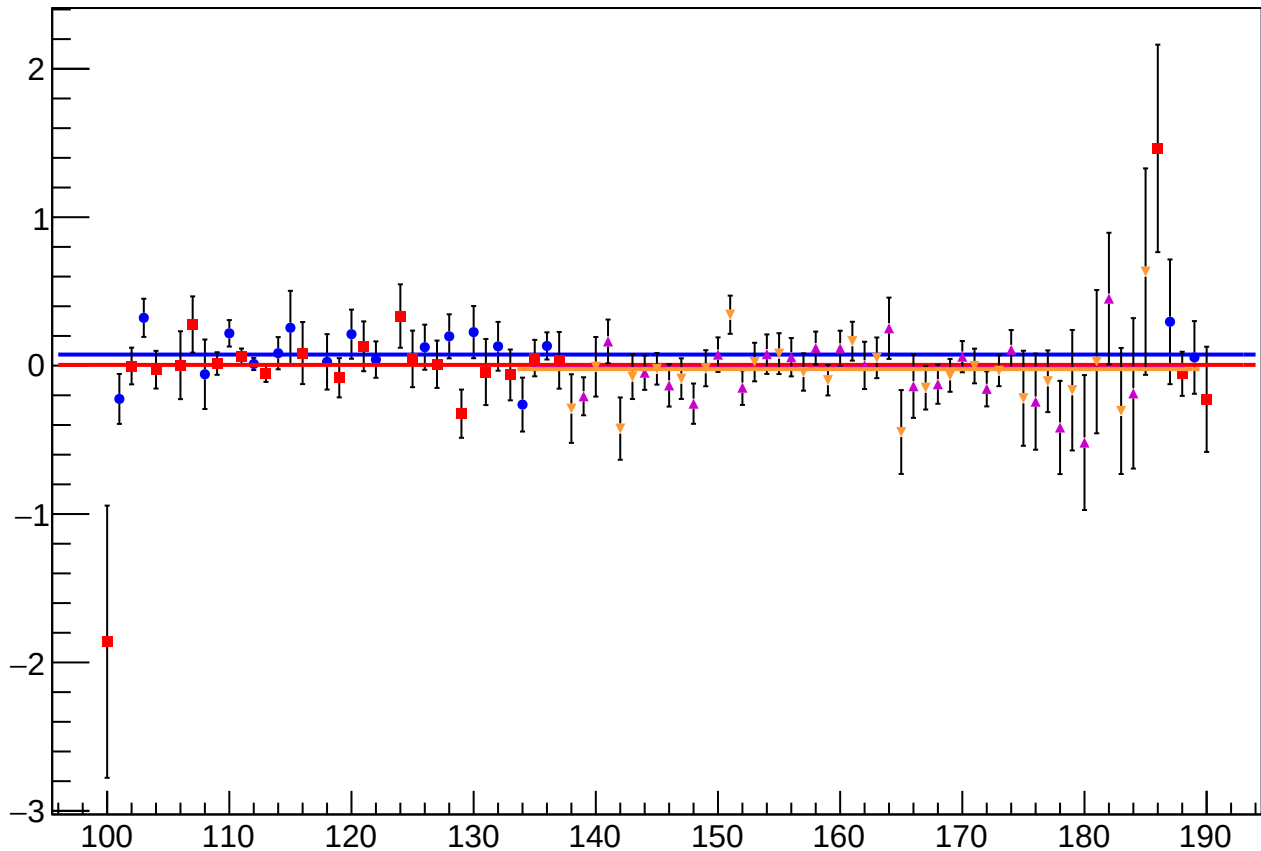
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:931395.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4324757.5/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8647610.4/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4300538.2/44

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.075 ± 0.027 χ^2/NDF : 19.3/17

Left Out: -0.024 ± 0.030 χ^2/NDF : 22.2/24

Right Out: 0.005 ± 0.026 χ^2/NDF : 21.4/21

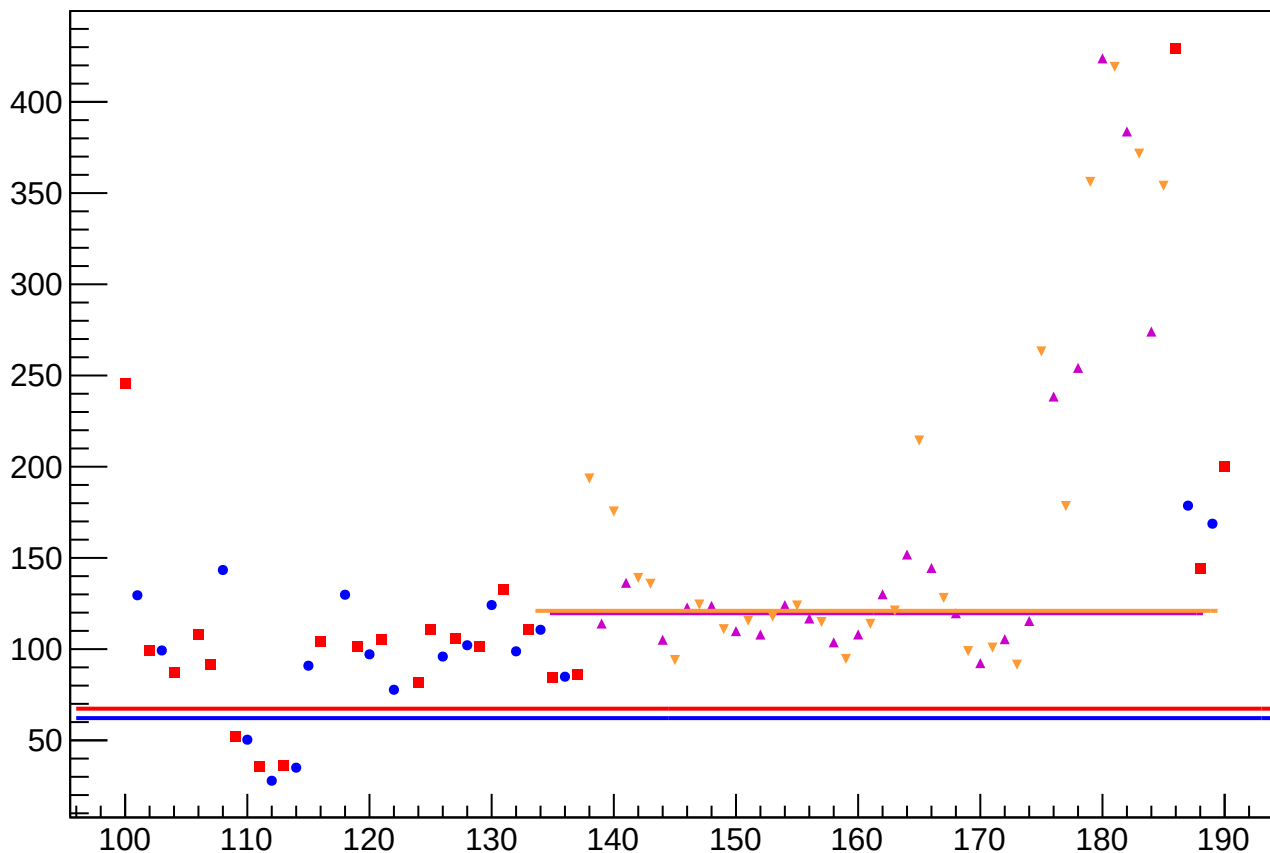
Left In: -0.019 ± 0.030 χ^2/NDF : 23.0/22

+ sign 0.031 ± 0.020 χ^2/NDF : 47.5/42

All: 0.013 ± 0.014 χ^2/NDF : 93.8/87

- sign -0.005 ± 0.020 χ^2/NDF : 44.7/44

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 62.180 $\pm$ 0.019 χ^2 /NDF: 4079456.1/17

Left Out: 120.999 $\pm$ 0.021 χ^2 /NDF: 4095266.9/24

Right Out: 67.356 $\pm$ 0.019 χ^2 /NDF: 4048109.1/21

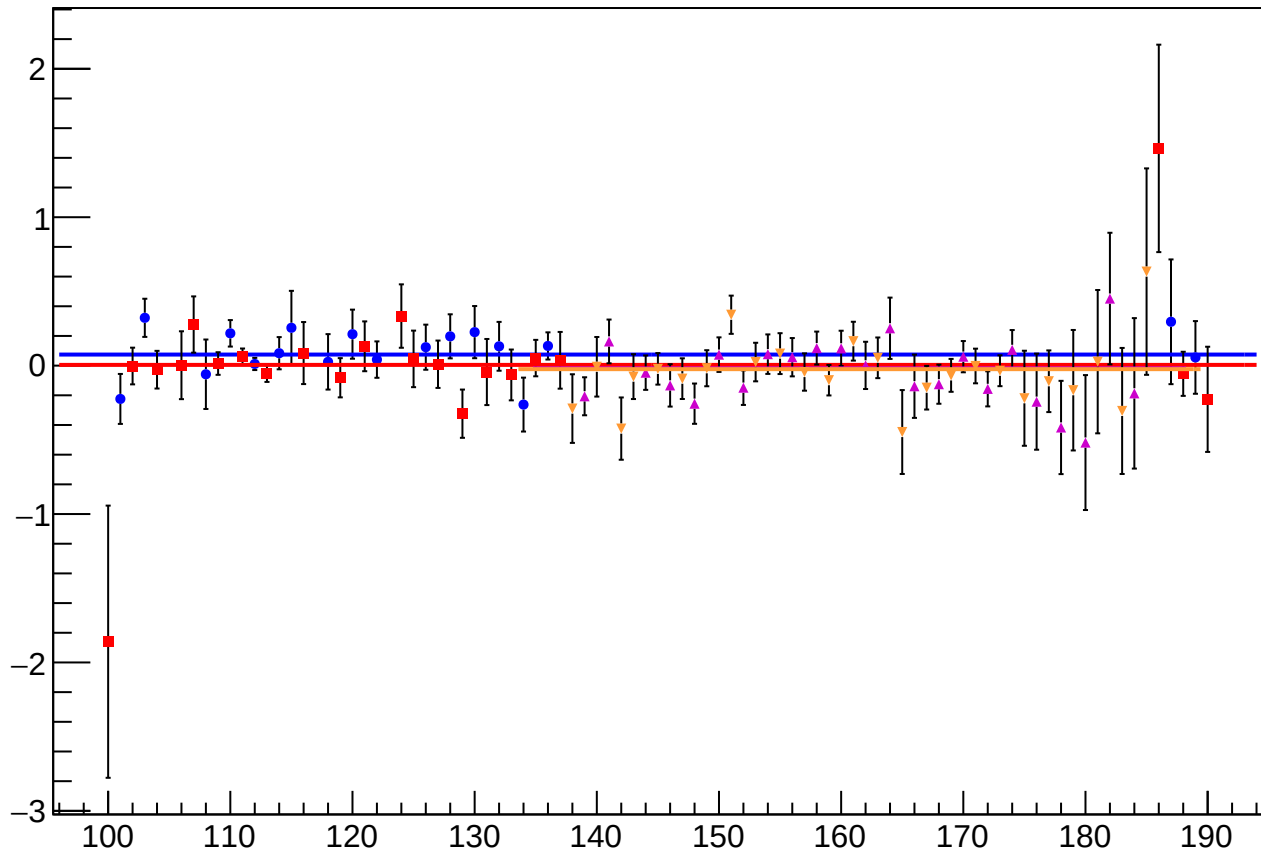
Left In: 119.679 $\pm$ 0.021 χ^2 /NDF: 2838257.9/22

+ sign 88.374 $\pm$ 0.014 χ^2 /NDF: 12466850.3/42

All: 89.148 $\pm$ 0.010 χ^2 /NDF: 22768752.6/87

- sign 89.914 $\pm$ 0.014 χ^2 /NDF: 10295918.3/44

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.075 $\pm$ 0.027 χ^2 /NDF: 19.3/17

Left Out: -0.024 $\pm$ 0.030 χ^2 /NDF: 22.2/24

Right Out: 0.005 $\pm$ 0.026 χ^2 /NDF: 21.4/21

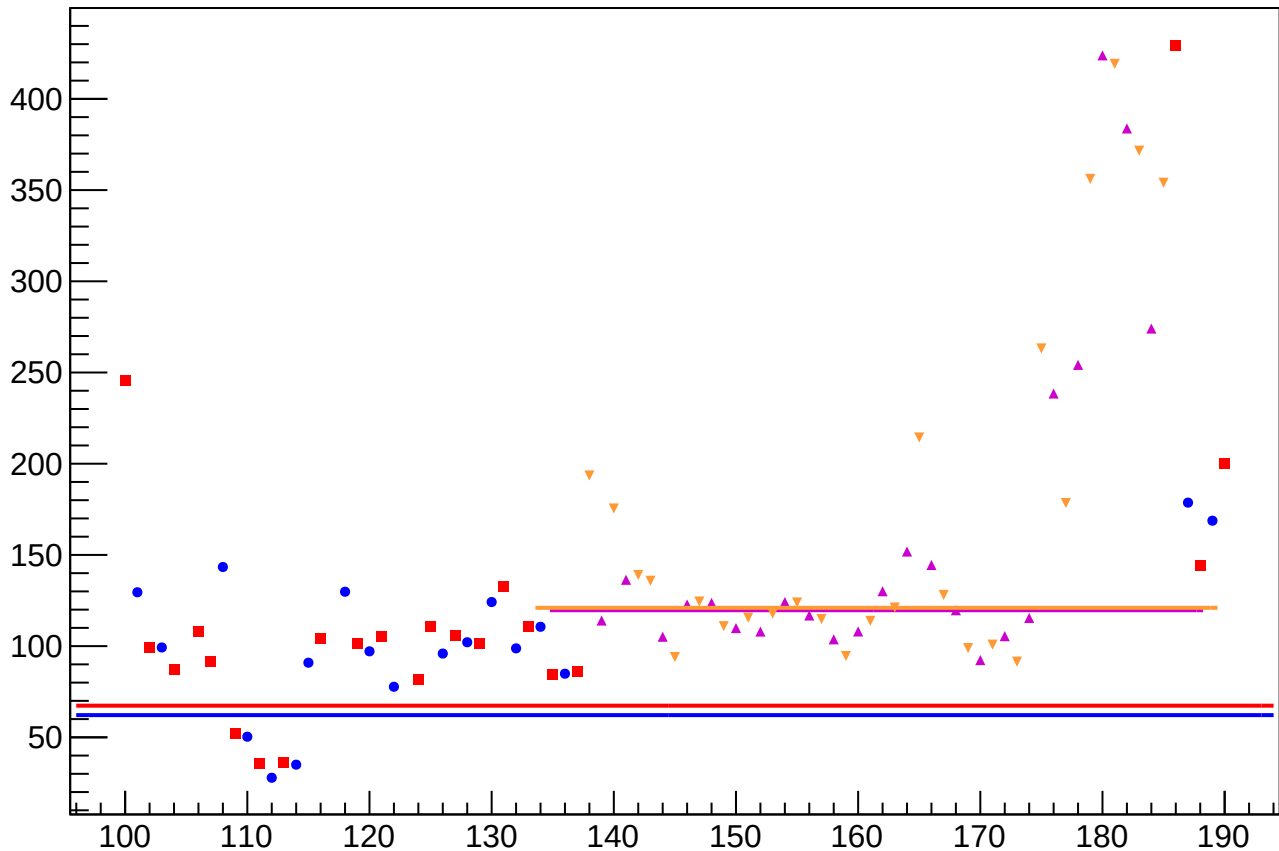
Left In: -0.019 $\pm$ 0.030 χ^2 /NDF: 23.0/22

+ sign 0.031 $\pm$ 0.020 χ^2 /NDF: 47.5/42

All: 0.013 $\pm$ 0.014 χ^2 /NDF: 93.8/87

- sign -0.005 $\pm$ 0.020 χ^2 /NDF: 44.7/44

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.180 ± 0.019 $\chi^2/\text{NDF}: 4079456.1/17$

Left Out: 120.999 ± 0.021 $\chi^2/\text{NDF}: 4095266.9/24$

Right Out: 67.356 ± 0.019 $\chi^2/\text{NDF}: 4048109.1/21$

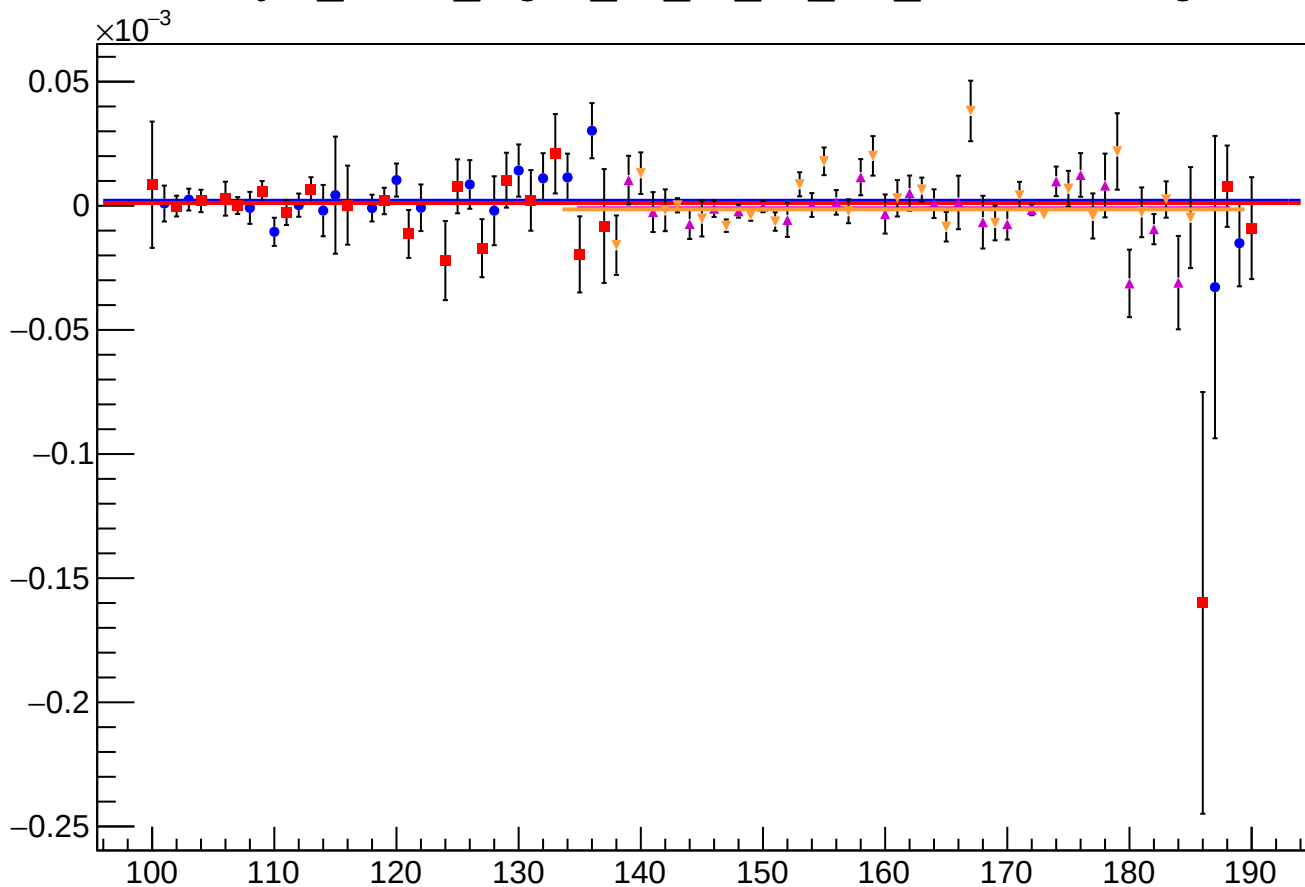
Left In: 119.679 ± 0.021 $\chi^2/\text{NDF}: 2838257.9/22$

+ sign 88.374 ± 0.014 $\chi^2/\text{NDF}: 12466850.3/42$

All: 89.148 ± 0.010 $\chi^2/\text{NDF}: 22768752.6/87$

- sign 89.914 ± 0.014 $\chi^2/\text{NDF}: 10295918.3/44$

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.8/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 60.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 18.1/21

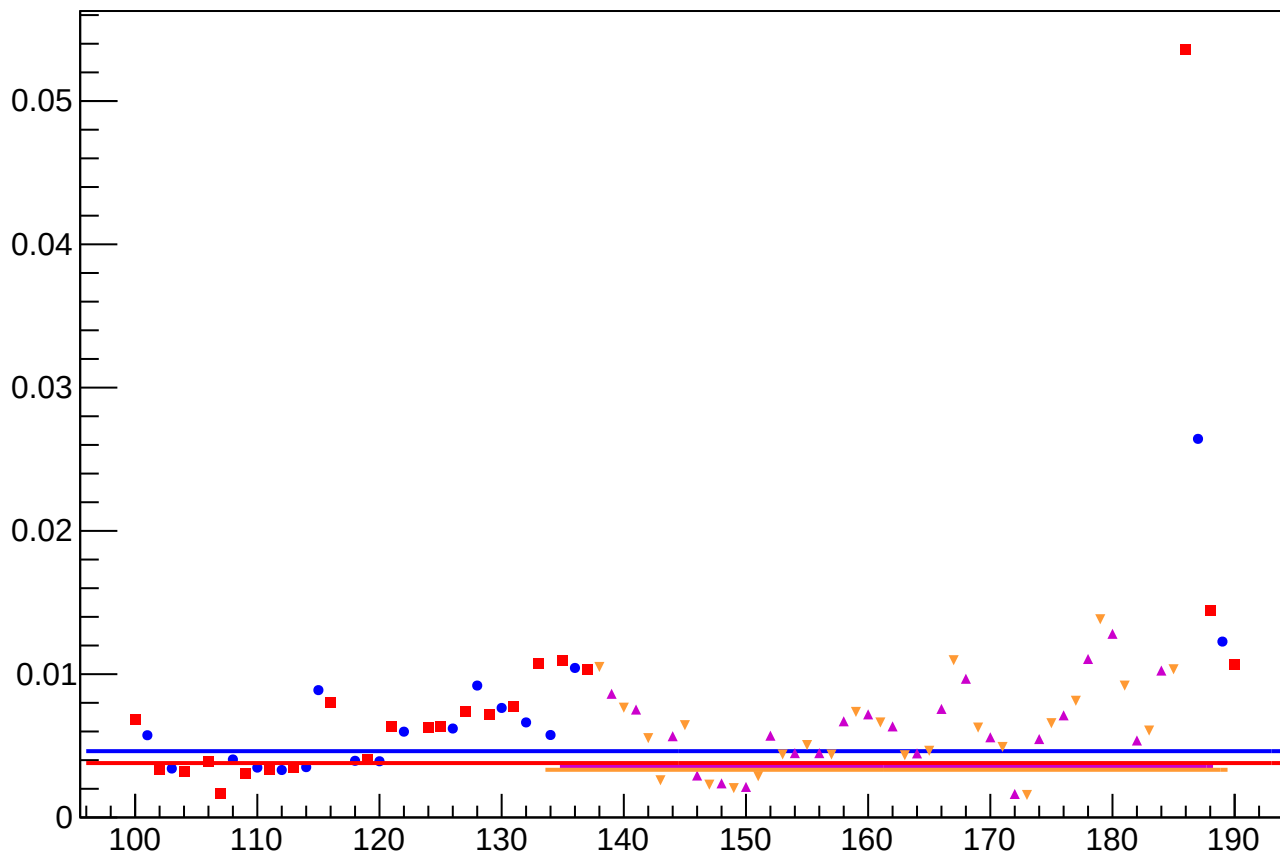
Left In: -0.000 ± 0.000 χ^2/NDF : 24.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 82.1/42

All: -0.000 ± 0.000 χ^2/NDF : 126.2/87

- sign -0.000 ± 0.000 χ^2/NDF : 44.0/44

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2370793.8/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:10486084.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4709621.7/21

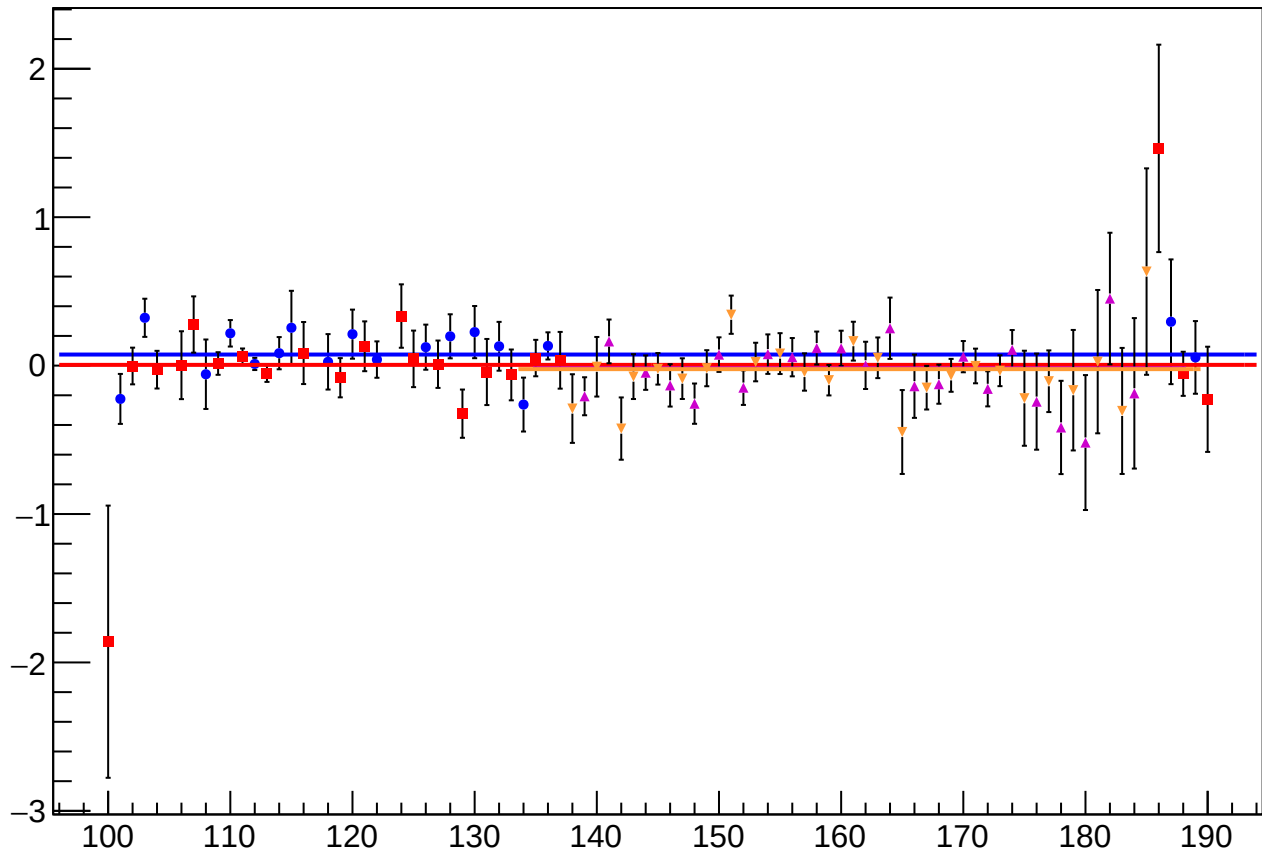
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:9426441.5/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 13690219.0/42

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 27873395.2/87

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 14182701.0/44

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.075+/-0.027 χ^2/NDF : 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF : 22.2/24

Right Out: 0.005+/-0.026 χ^2/NDF : 21.4/21

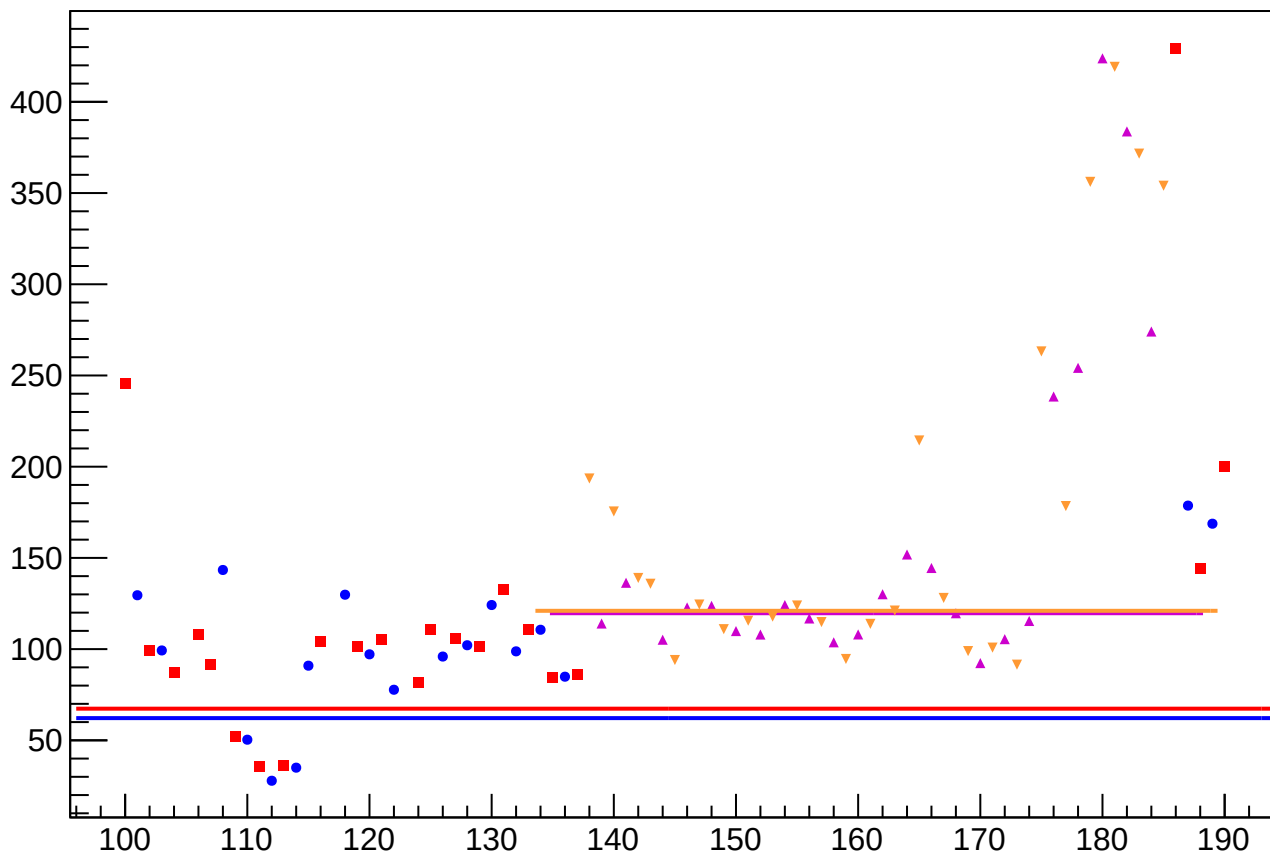
Left In: -0.019+/-0.030 χ^2/NDF : 23.0/22

+ sign 0.031+/-0.020 χ^2/NDF : 47.5/42

All: 0.013+/-0.014 χ^2/NDF : 93.8/87

- sign -0.005+/-0.020 χ^2/NDF : 44.7/44

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.178 $\pm$ 0.019 χ^2 /NDF: 4079718.2/17

Left Out: 121.000 $\pm$ 0.021 χ^2 /NDF: 4095210.5/24

Right Out: 67.354 $\pm$ 0.019 χ^2 /NDF: 4048419.1/21

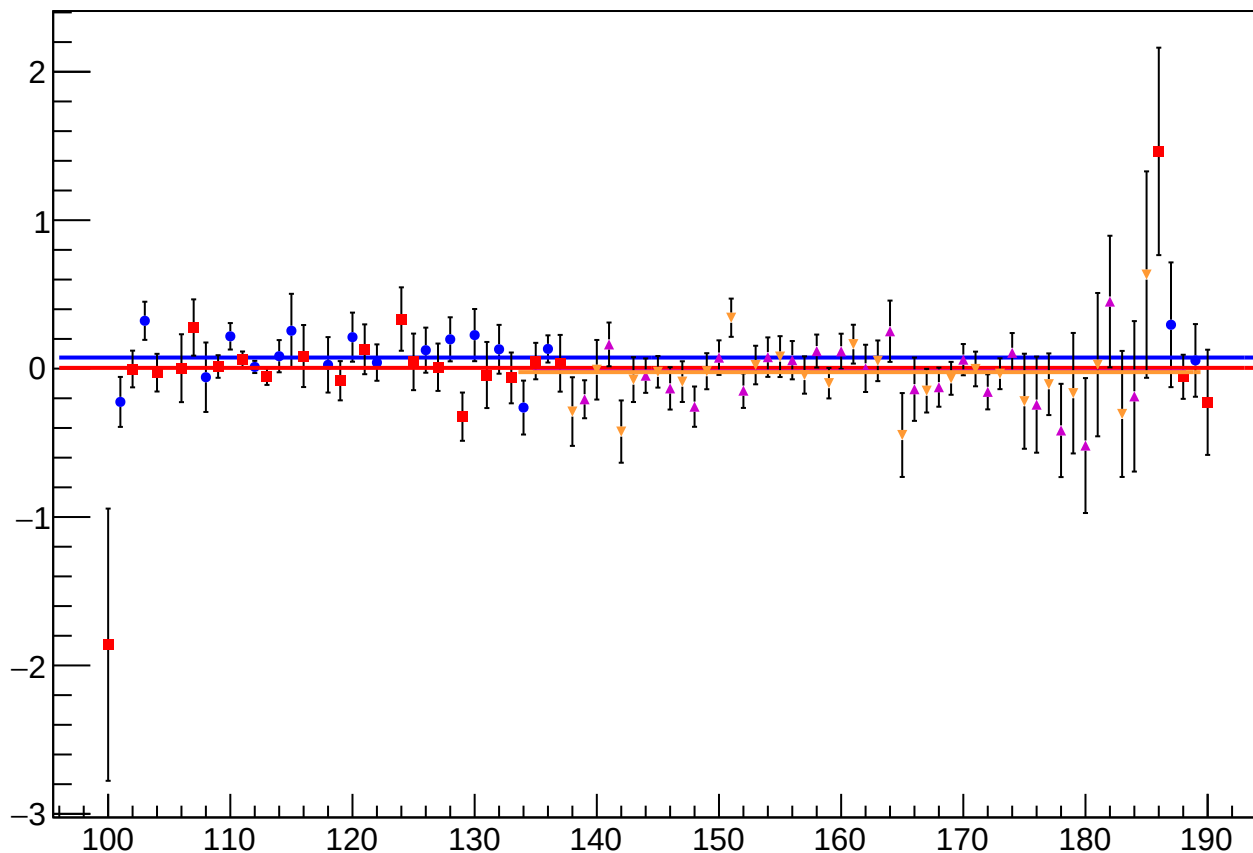
Left In: 119.680 $\pm$ 0.021 χ^2 /NDF: 2838196.2/22

+ sign 88.373 $\pm$ 0.014 χ^2 /NDF: 12467559.1/42

All: 89.147 $\pm$ 0.010 χ^2 /NDF: 22770096.7/87

- sign 89.912 $\pm$ 0.014 χ^2 /NDF: 10296550.8/44

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.075 $\pm$ 0.027 χ^2 /NDF: 19.3/17

Left Out: -0.024 $\pm$ 0.030 χ^2 /NDF: 22.2/24

Right Out: 0.005 $\pm$ 0.026 χ^2 /NDF: 21.4/21

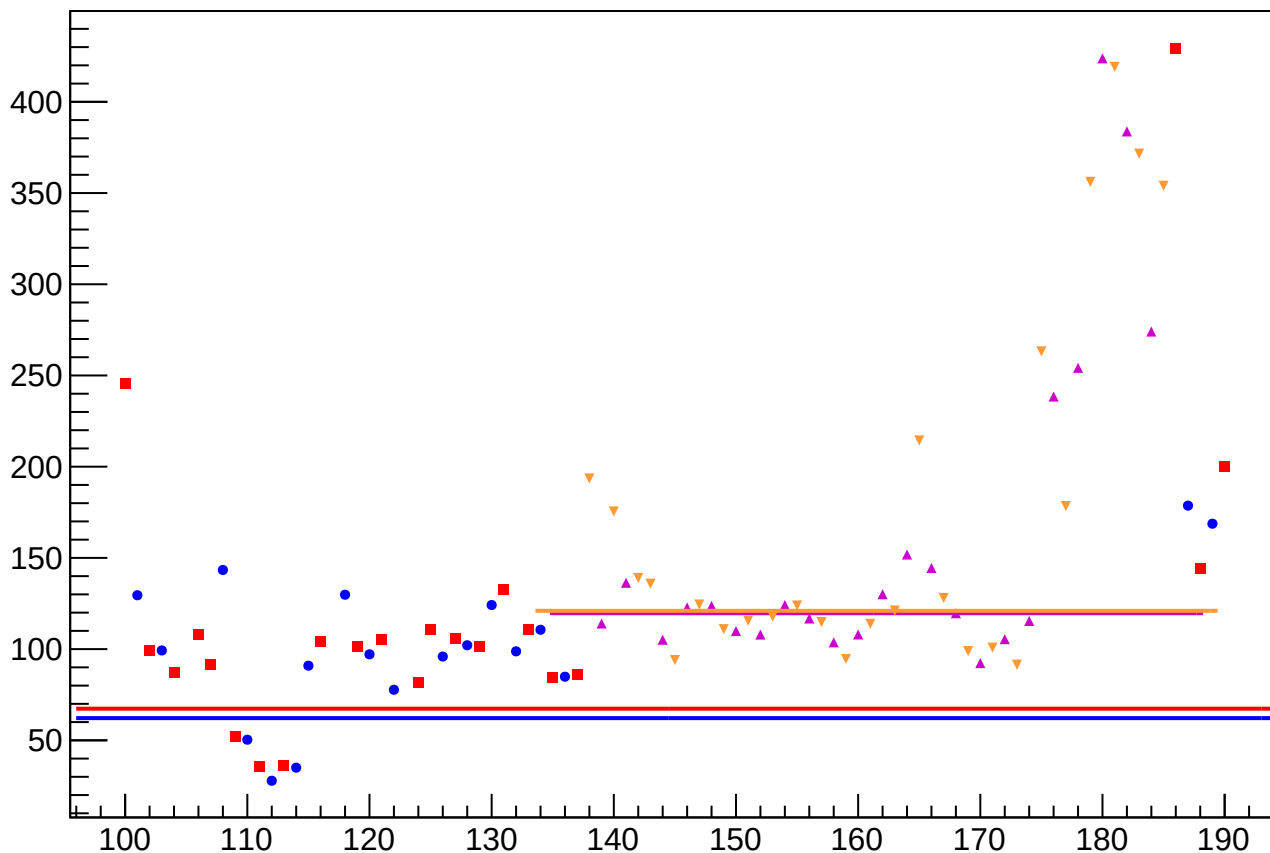
Left In: -0.019 $\pm$ 0.030 χ^2 /NDF: 23.0/22

+ sign 0.031 $\pm$ 0.020 χ^2 /NDF: 47.5/42

All: 0.013 $\pm$ 0.014 χ^2 /NDF: 93.8/87

- sign -0.005 $\pm$ 0.020 χ^2 /NDF: 44.7/44

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.178 $\pm$ 0.019 χ^2 /NDF: 4079718.2/17

Left Out: 121.000 $\pm$ 0.021 χ^2 /NDF: 4095210.5/24

Right Out: 67.354 $\pm$ 0.019 χ^2 /NDF: 4048419.1/21

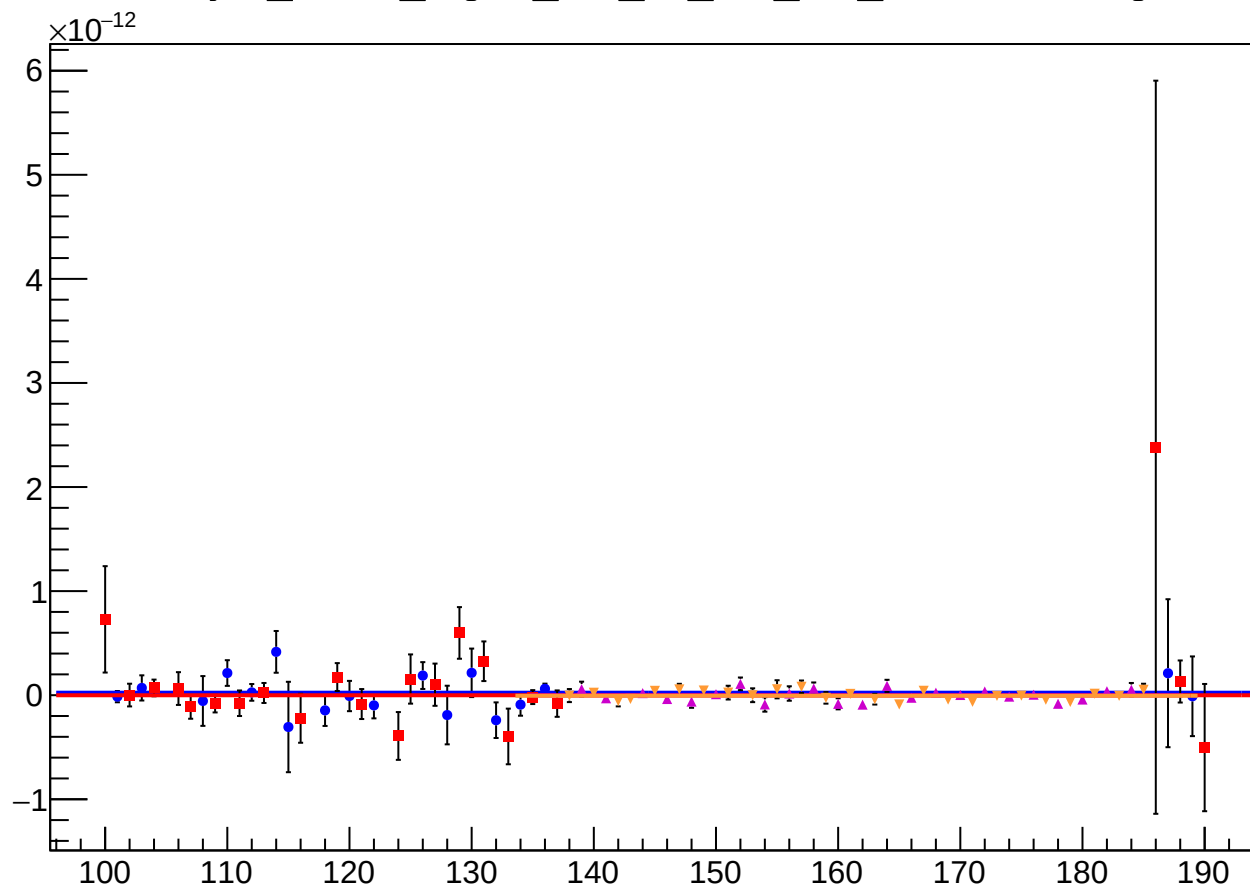
Left In: 119.680 $\pm$ 0.021 χ^2 /NDF: 2838196.2/22

+ sign 88.373 $\pm$ 0.014 χ^2 /NDF: 12467559.1/42

All: 89.147 $\pm$ 0.010 χ^2 /NDF: 22770096.7/87

- sign 89.912 $\pm$ 0.014 χ^2 /NDF: 10296550.8/44

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 16.9/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 22.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 24.8/21

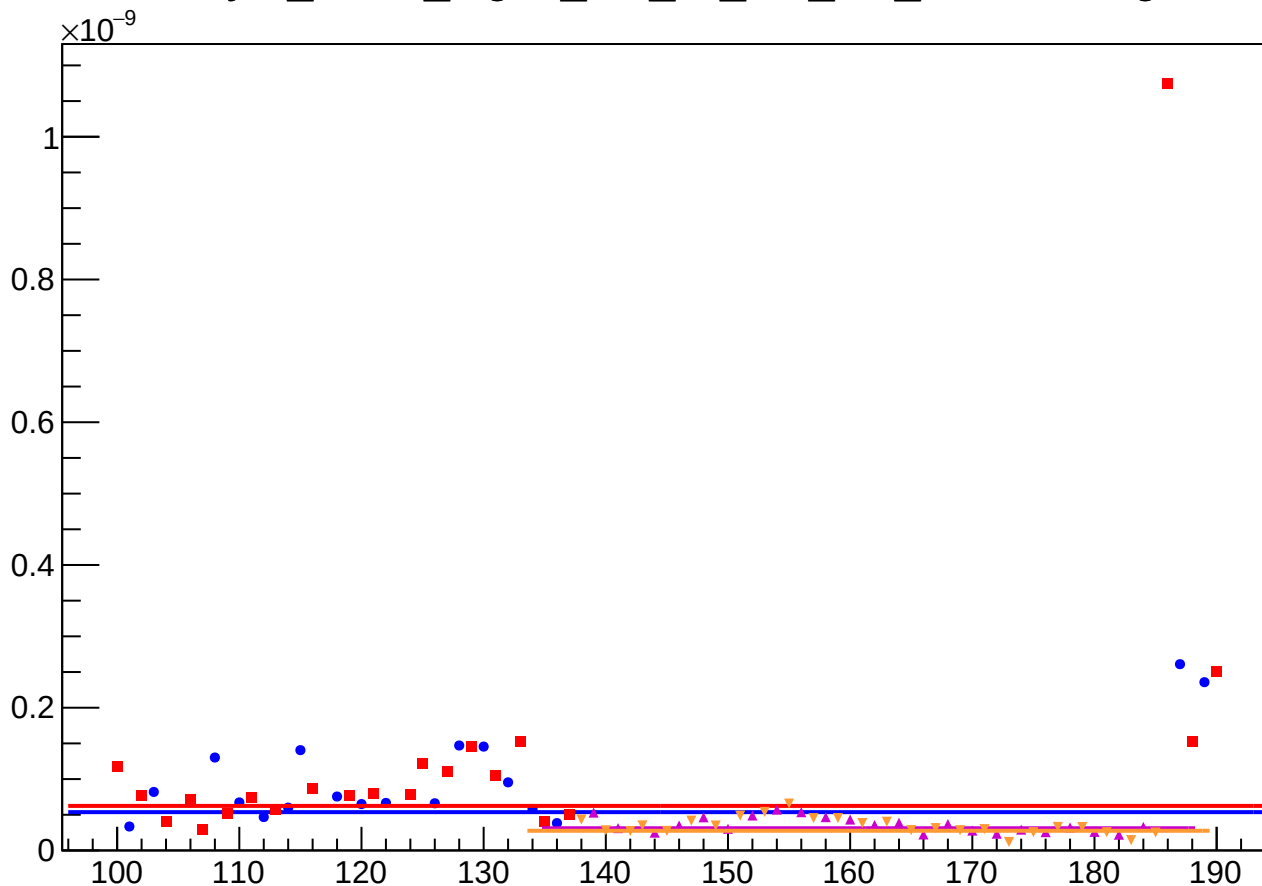
Left In: -0.000 ± 0.000 χ^2/NDF : 27.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 40.3/42

All: -0.000 ± 0.000 χ^2/NDF : 92.6/87

- sign -0.000 ± 0.000 χ^2/NDF : 52.3/44

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 2275390.9/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 3691738.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 2304484.1/21

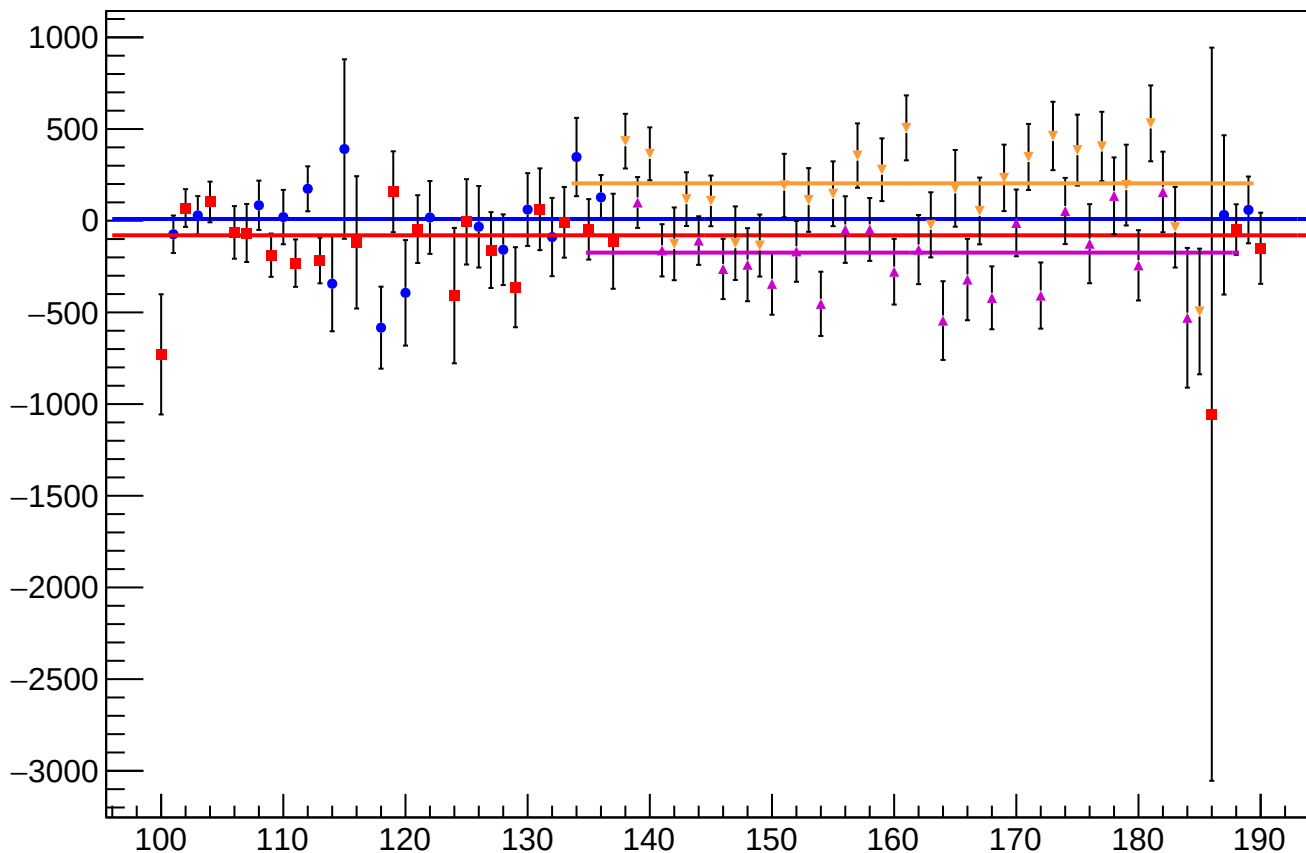
Left In: 0.000 ± 0.000 χ^2/NDF : 1937733.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 7790736.3/42

All: 0.000 ± 0.000 χ^2/NDF : 14476354.2/87

- sign 0.000 ± 0.000 χ^2/NDF : 6436485.8/44

reg_asym_sam5_mean vs Slug



Right In: 9.434 ± 39.235 χ^2/NDF : 18.9/17

Left Out: 203.760 ± 35.878 χ^2/NDF : 32.9/24

Right Out: -79.565 ± 35.909 χ^2/NDF : 17.1/21

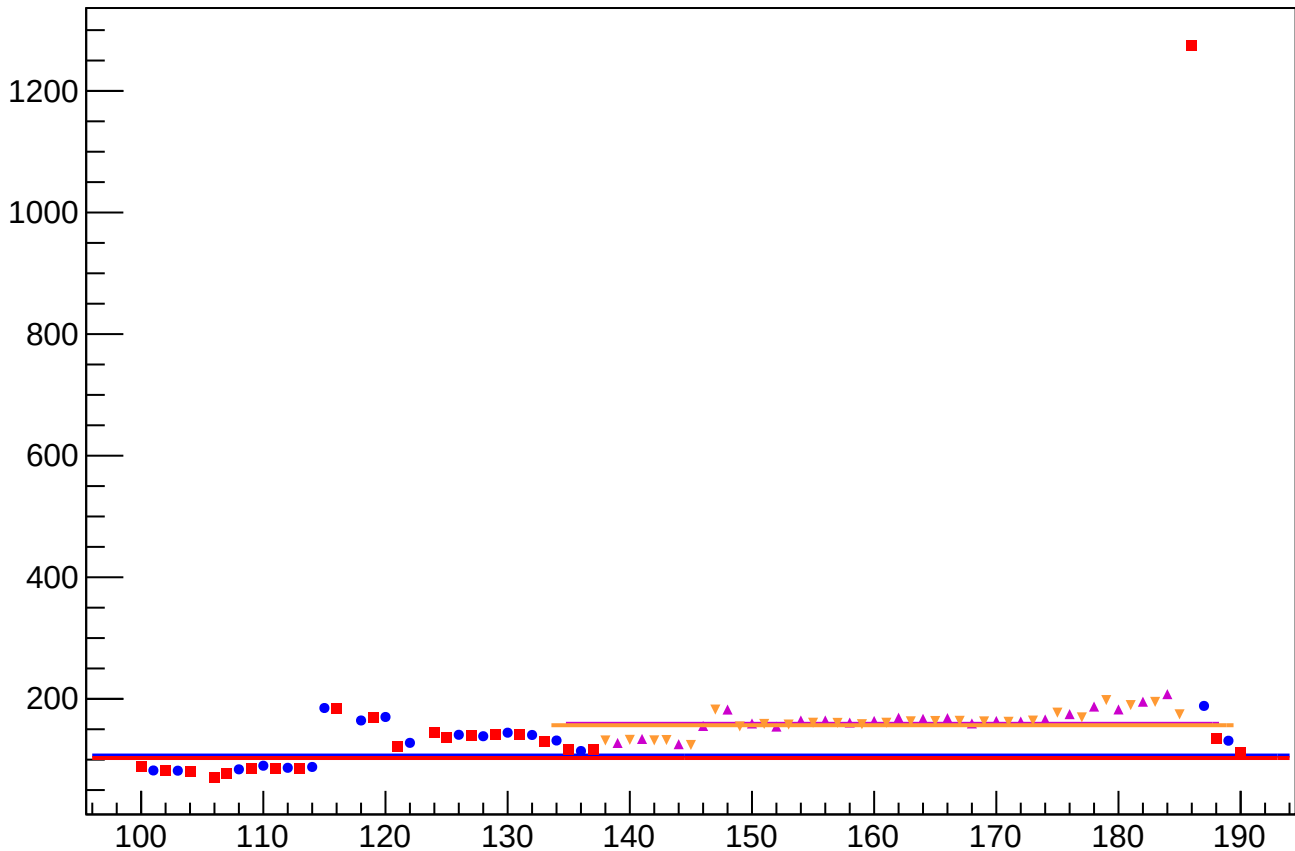
Left In: -173.974 ± 37.405 χ^2/NDF : 24.5/22

+ sign 115.267 ± 26.477 χ^2/NDF : 65.1/42

All: -7.413 ± 18.516 χ^2/NDF : 152.1/87

- sign -124.844 ± 25.904 χ^2/NDF : 44.9/44

reg_asym_sam5_rms vs Slug



Right In: 106.762 $\pm$ 0.028 χ^2 /NDF: 1042190.3/17

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.4/24

Right Out: 102.692 $\pm$ 0.025 χ^2 /NDF: 1853342.2/21

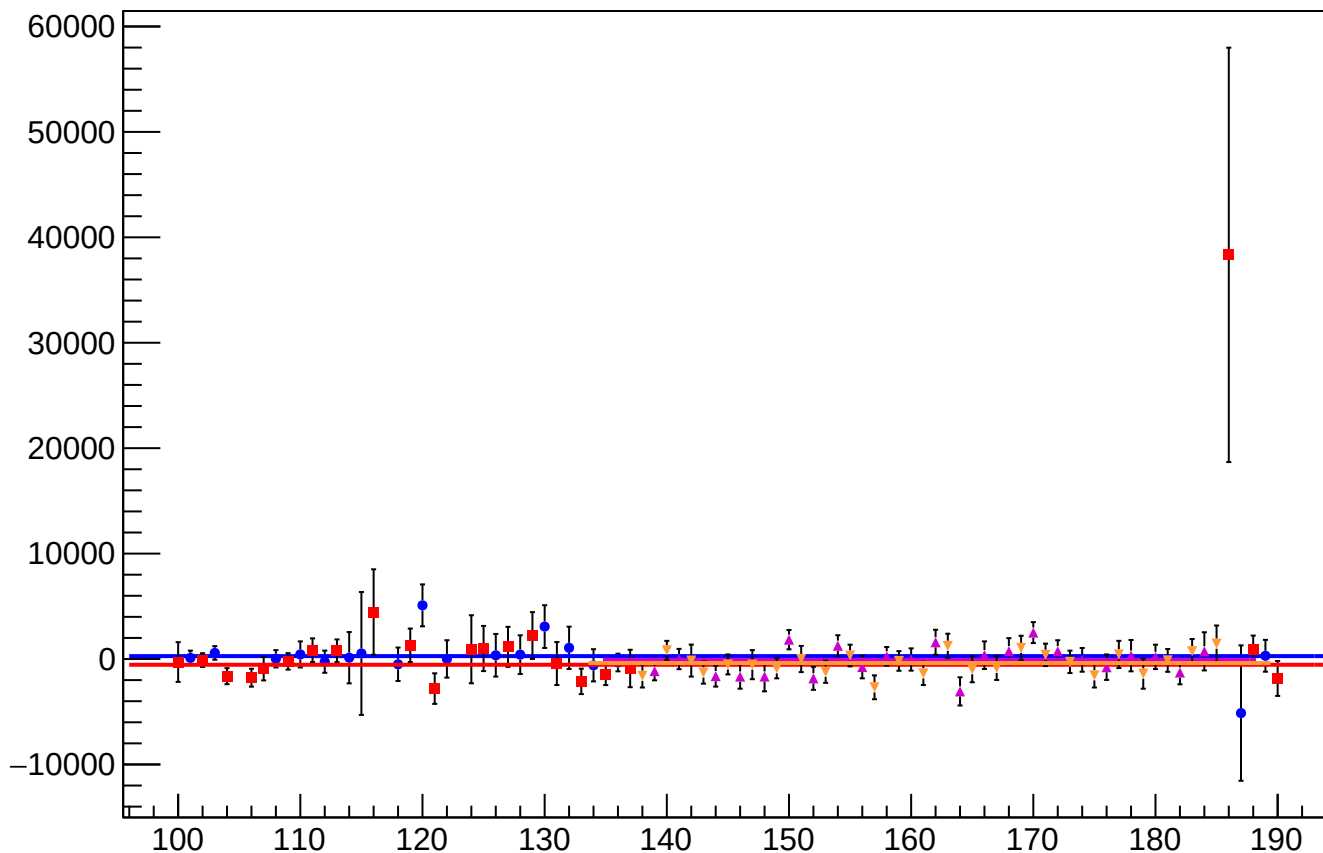
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.2/22

+ sign 133.925 $\pm$ 0.019 χ^2 /NDF: 3384710.3/42

All: 131.753 $\pm$ 0.013 χ^2 /NDF: 8130208.3/87

- sign 129.674 $\pm$ 0.018 χ^2 /NDF: 4719158.8/44

asym_sam5_reg_correction_mean vs Slug



Right In: 276.782+/-287.792 χ^2/NDF : 10.4/17

Left Out: -380.690+/-224.554 χ^2/NDF : 18.7/24

Right Out: -543.416+/-260.734 χ^2/NDF : 24.6/21

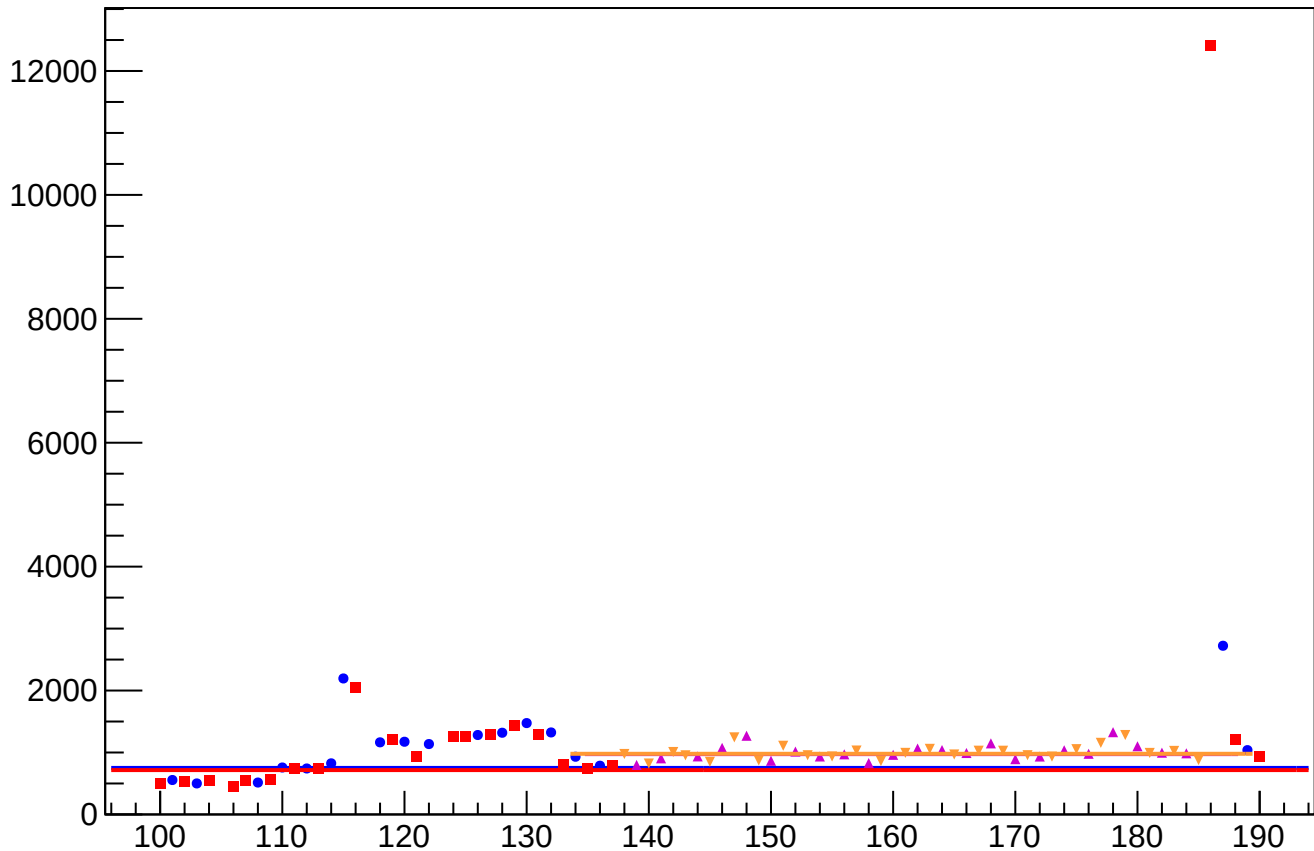
Left In: -74.440+/-229.788 χ^2/NDF : 33.1/22

+ sign -131.888+/-177.039 χ^2/NDF : 32.4/42

All: -207.635+/-123.510 χ^2/NDF : 92.2/87

- sign -279.458+/-172.393 χ^2/NDF : 59.5/44

asym_sam5_reg_correction_rms vs Slug



Right In: 751.052+/-0.204 χ^2/NDF : 2110553.2/17

Left Out: 979.111+/-0.159 χ^2/NDF : 429795.3/24

Right Out: 716.171+/-0.184 χ^2/NDF : 2888176.2/21

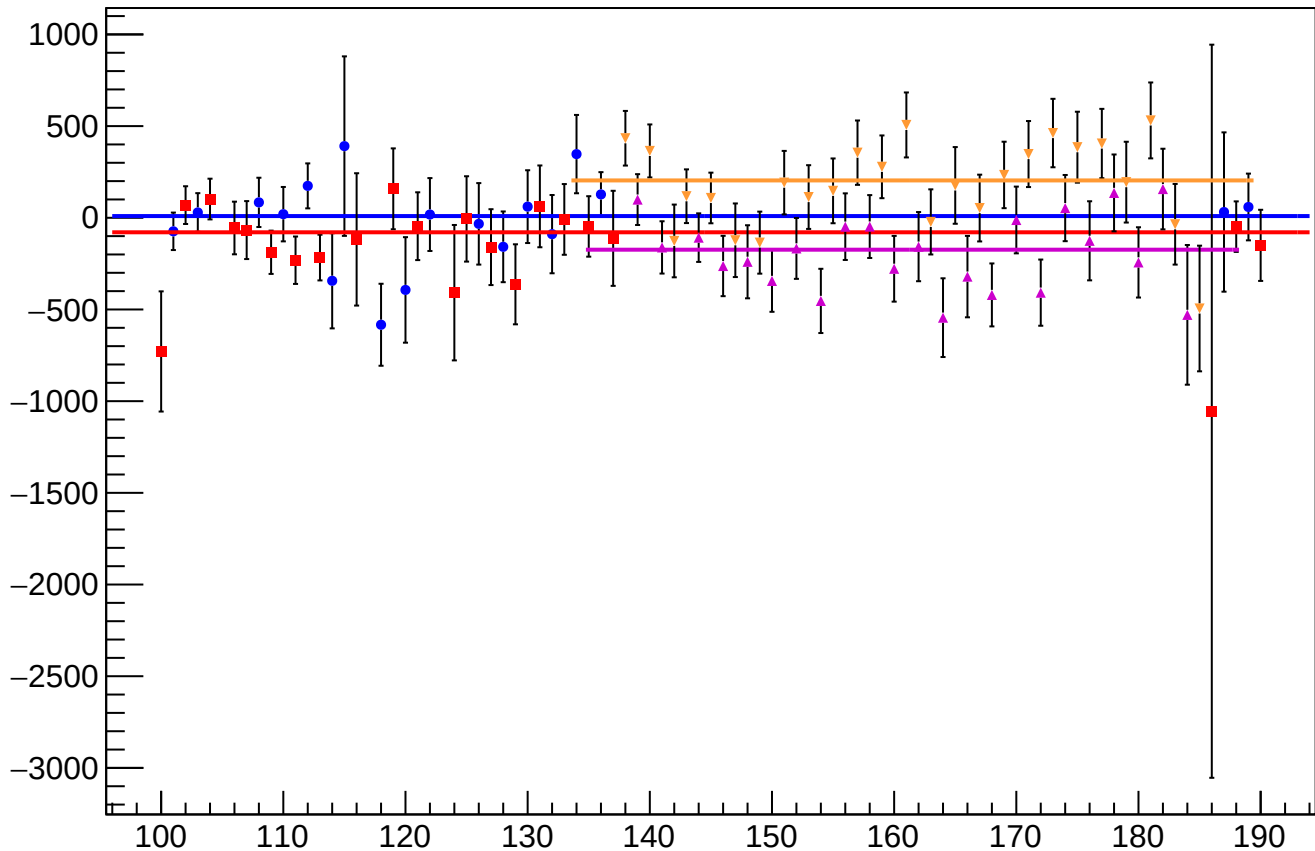
Left In: 973.818+/-0.162 χ^2/NDF : 498612.7/22

+ sign 892.809+/-0.125 χ^2/NDF : 3321009.0/42

All: 876.576+/-0.087 χ^2/NDF : 7839726.2/87

- sign 861.185+/-0.122 χ^2/NDF : 4485960.9/44

cor_asym_sam5_mean vs Slug



Right In: 9.425 ± 39.235 χ^2/NDF : 18.9/17

Left Out: 203.766 ± 35.878 χ^2/NDF : 32.9/24

Right Out: -79.083 ± 35.912 χ^2/NDF : 17.1/21

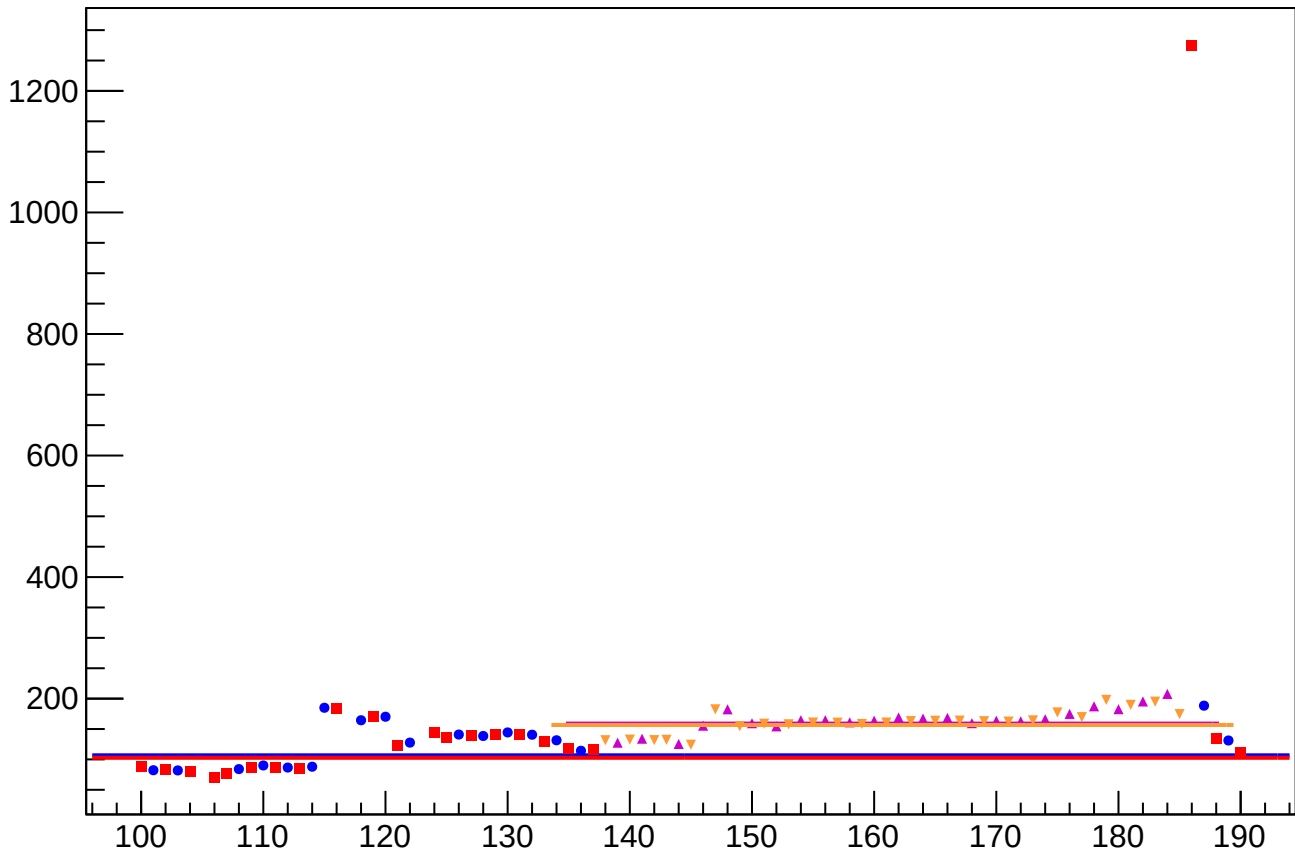
Left In: -173.978 ± 37.405 χ^2/NDF : 24.5/22

+ sign 115.265 ± 26.477 χ^2/NDF : 65.1/42

All: -7.284 ± 18.517 χ^2/NDF : 152.0/87

- sign -124.599 ± 25.905 χ^2/NDF : 45.0/44

cor_asym_sam5_rms vs Slug



Right In: 106.762 $\pm$ 0.028 χ^2 /NDF: 1042189.5/17

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.5/24

Right Out: 102.671 $\pm$ 0.025 χ^2 /NDF: 1855738.9/21

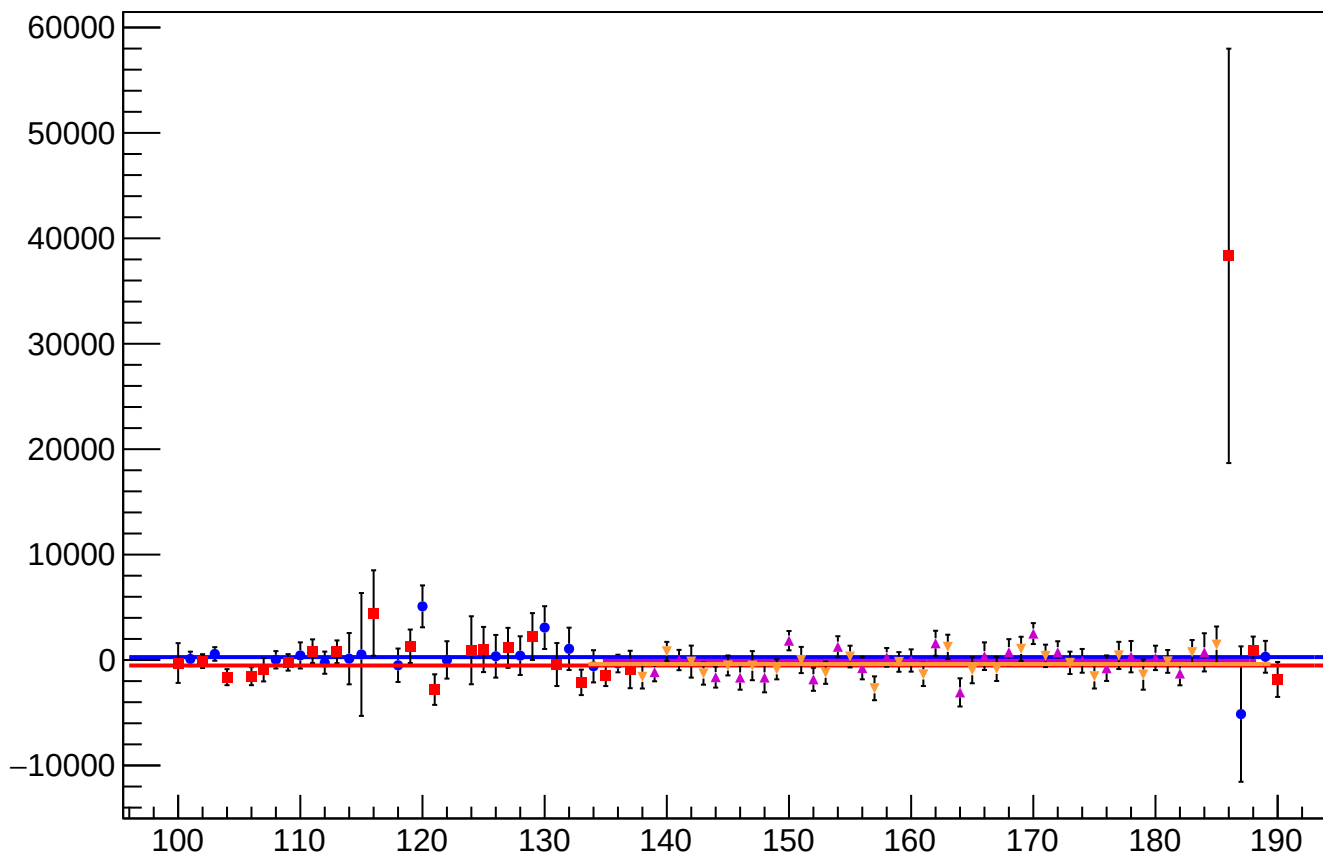
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.3/22

+ sign 133.925 $\pm$ 0.019 χ^2 /NDF: 3384708.3/42

All: 131.749 $\pm$ 0.013 χ^2 /NDF: 8134333.4/87

- sign 129.665 $\pm$ 0.018 χ^2 /NDF: 4723172.9/44

asym_sam5_cor_correction_mean vs Slug



Right In: 276.784 ± 287.792 χ^2/NDF : 10.4/17

Left Out: -380.678 ± 224.554 χ^2/NDF : 18.7/24

Right Out: -519.290 ± 260.895 χ^2/NDF : 23.9/21

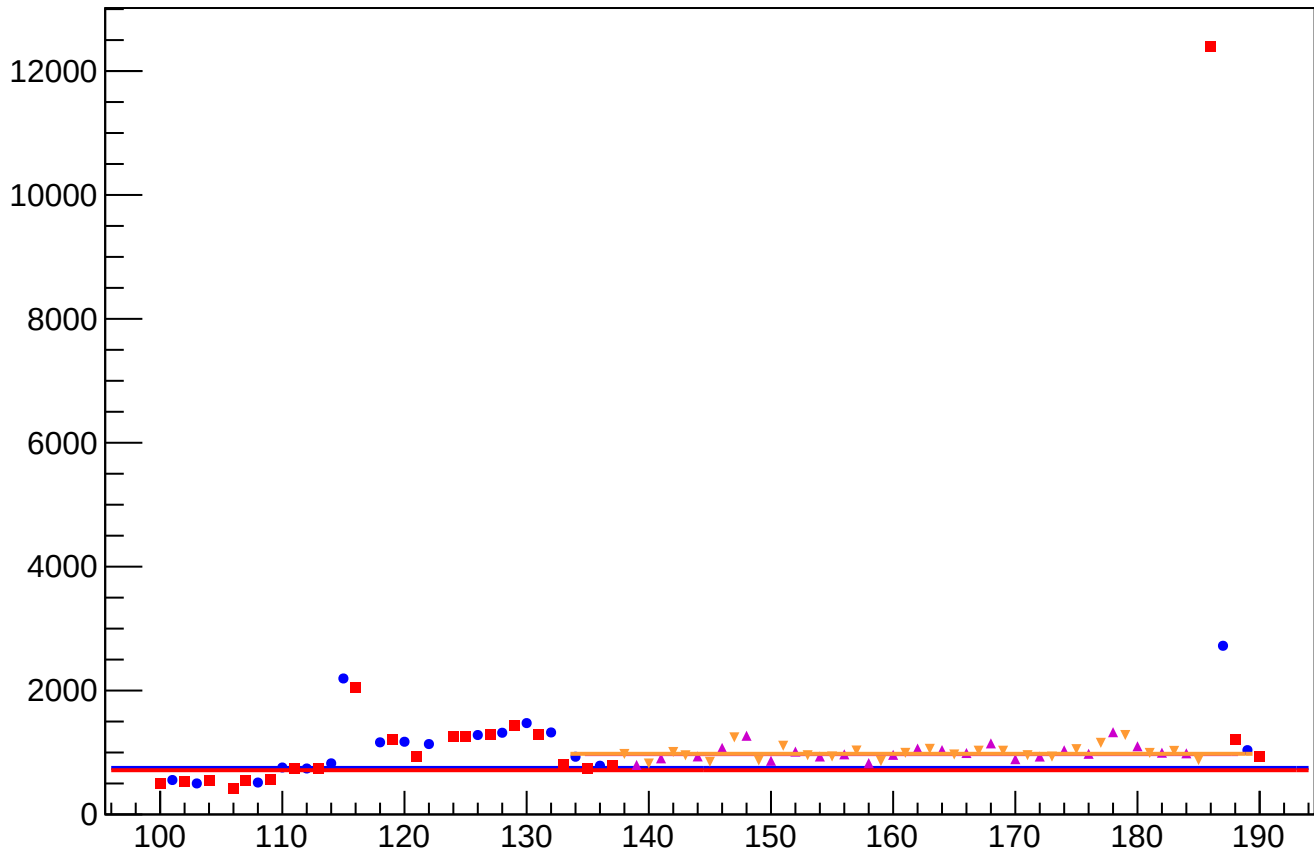
Left In: -74.438 ± 229.788 χ^2/NDF : 33.1/22

+ sign -131.879 ± 177.039 χ^2/NDF : 32.4/42

All: -202.128 ± 123.527 χ^2/NDF : 91.2/87

- sign -268.775 ± 172.439 χ^2/NDF : 58.6/44

asym_sam5_cor_correction_rms vs Slug



Right In: 751.051 $\pm$ 0.203 χ^2 /NDF: 2110555.0/17

Left Out: 979.112 $\pm$ 0.159 χ^2 /NDF: 429793.5/24

Right Out: 714.221 $\pm$ 0.184 χ^2 /NDF: 2922892.4/21

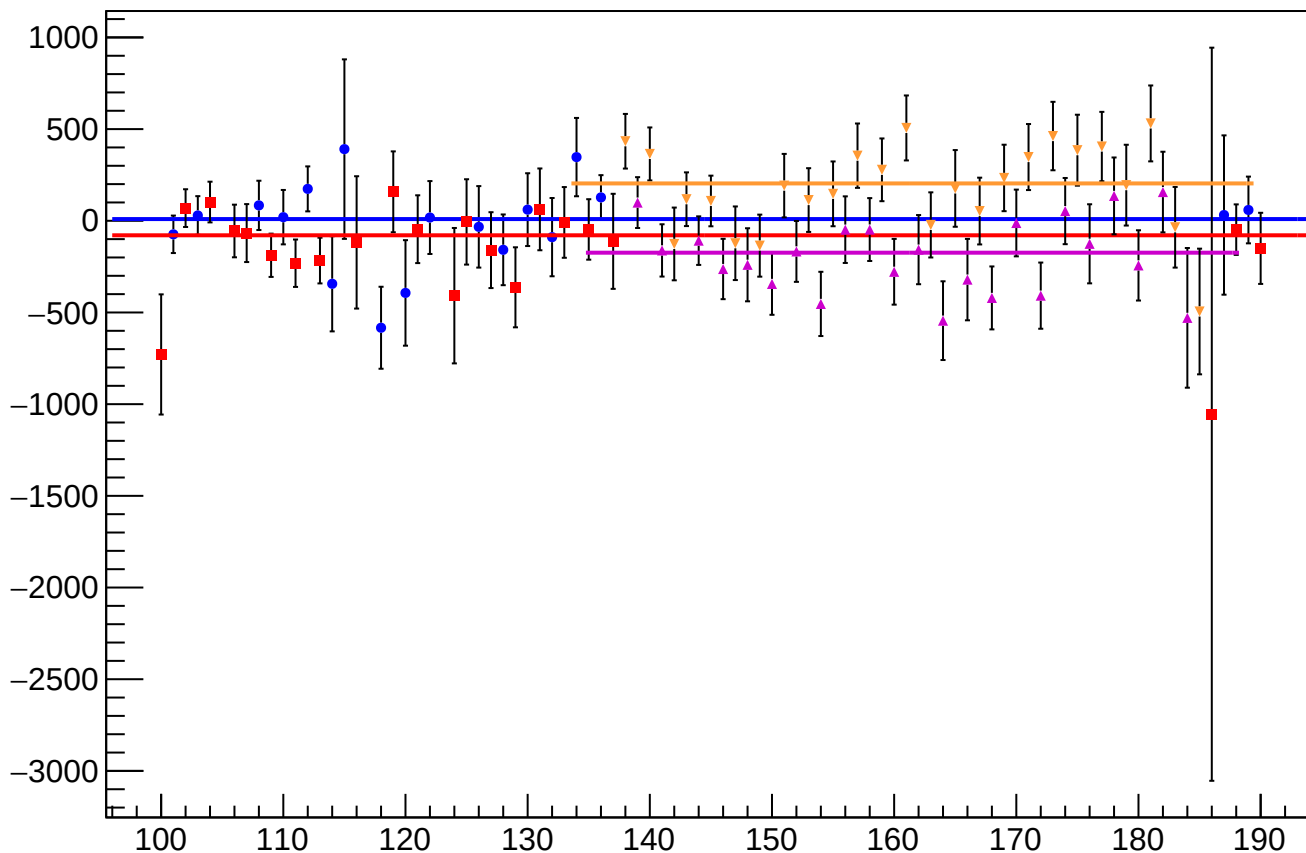
Left In: 973.818 $\pm$ 0.162 χ^2 /NDF: 498615.1/22

+ sign 892.808 $\pm$ 0.125 χ^2 /NDF: 3321015.7/42

All: 876.183 $\pm$ 0.087 χ^2 /NDF: 7891990.9/87

- sign 860.411 $\pm$ 0.122 χ^2 /NDF: 4536605.9/44

eigen_cor_asym_sam5_mean vs Slug



Right In: 9.425 ± 39.235 χ^2/NDF : 18.9/17

Left Out: 203.766 ± 35.878 χ^2/NDF : 32.9/24

Right Out: -79.083 ± 35.912 χ^2/NDF : 17.1/21

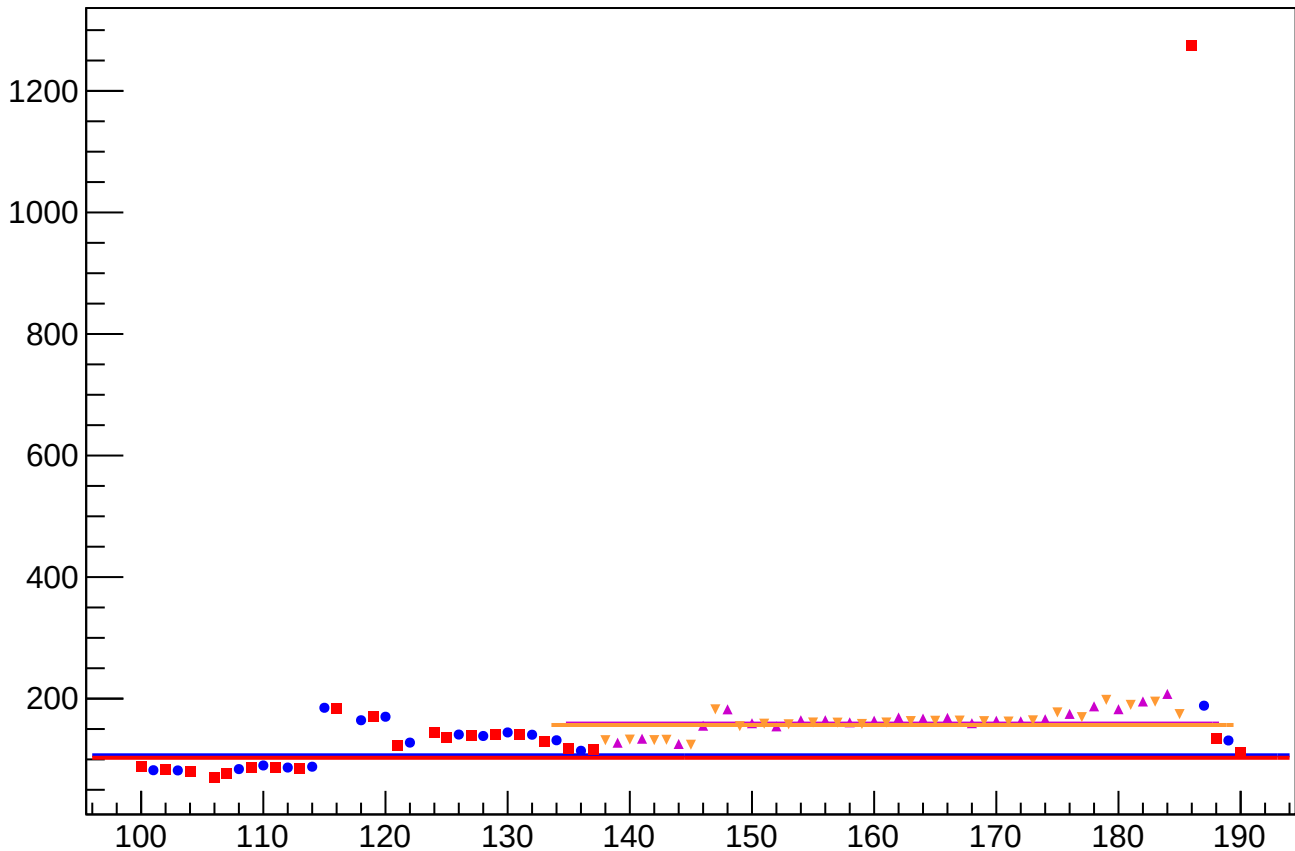
Left In: -173.978 ± 37.405 χ^2/NDF : 24.5/22

+ sign 115.265 ± 26.477 χ^2/NDF : 65.1/42

All: -7.284 ± 18.517 χ^2/NDF : 152.0/87

- sign -124.599 ± 25.905 χ^2/NDF : 45.0/44

eigen_cor_asym_sam5_rms vs Slug



Right In: 106.762 $\pm$ 0.028 χ^2 /NDF: 1042189.5/17

Left Out: 156.638 $\pm$ 0.025 χ^2 /NDF: 582414.5/24

Right Out: 102.671 $\pm$ 0.025 χ^2 /NDF: 1855738.9/21

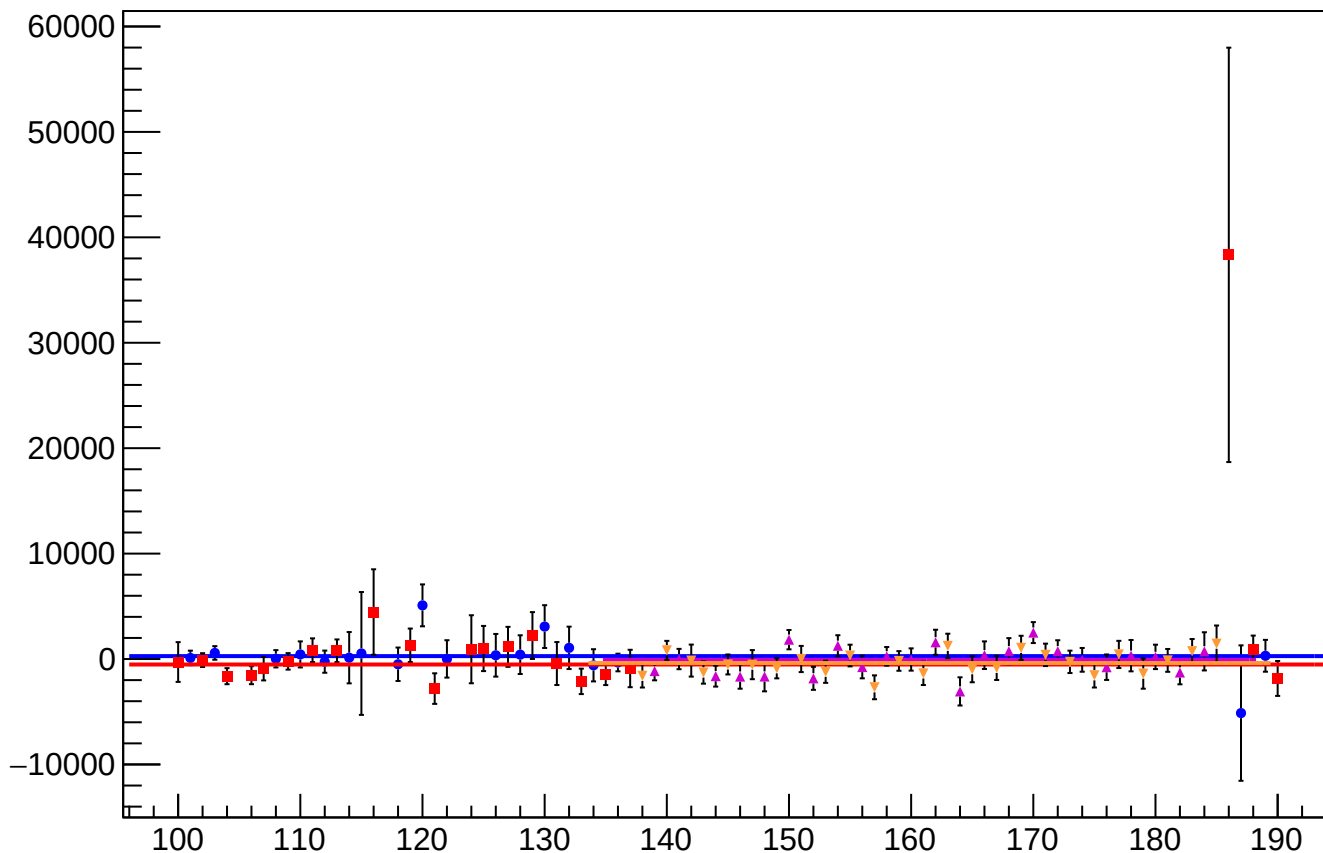
Left In: 158.952 $\pm$ 0.026 χ^2 /NDF: 511321.3/22

+ sign 133.925 $\pm$ 0.019 χ^2 /NDF: 3384708.3/42

All: 131.749 $\pm$ 0.013 χ^2 /NDF: 8134333.4/87

- sign 129.665 $\pm$ 0.018 χ^2 /NDF: 4723172.9/44

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 276.784+/-287.792 χ^2/NDF : 10.4/17

Left Out: -380.678+/-224.554 χ^2/NDF : 18.7/24

Right Out: -519.290+/-260.895 χ^2/NDF : 23.9/21

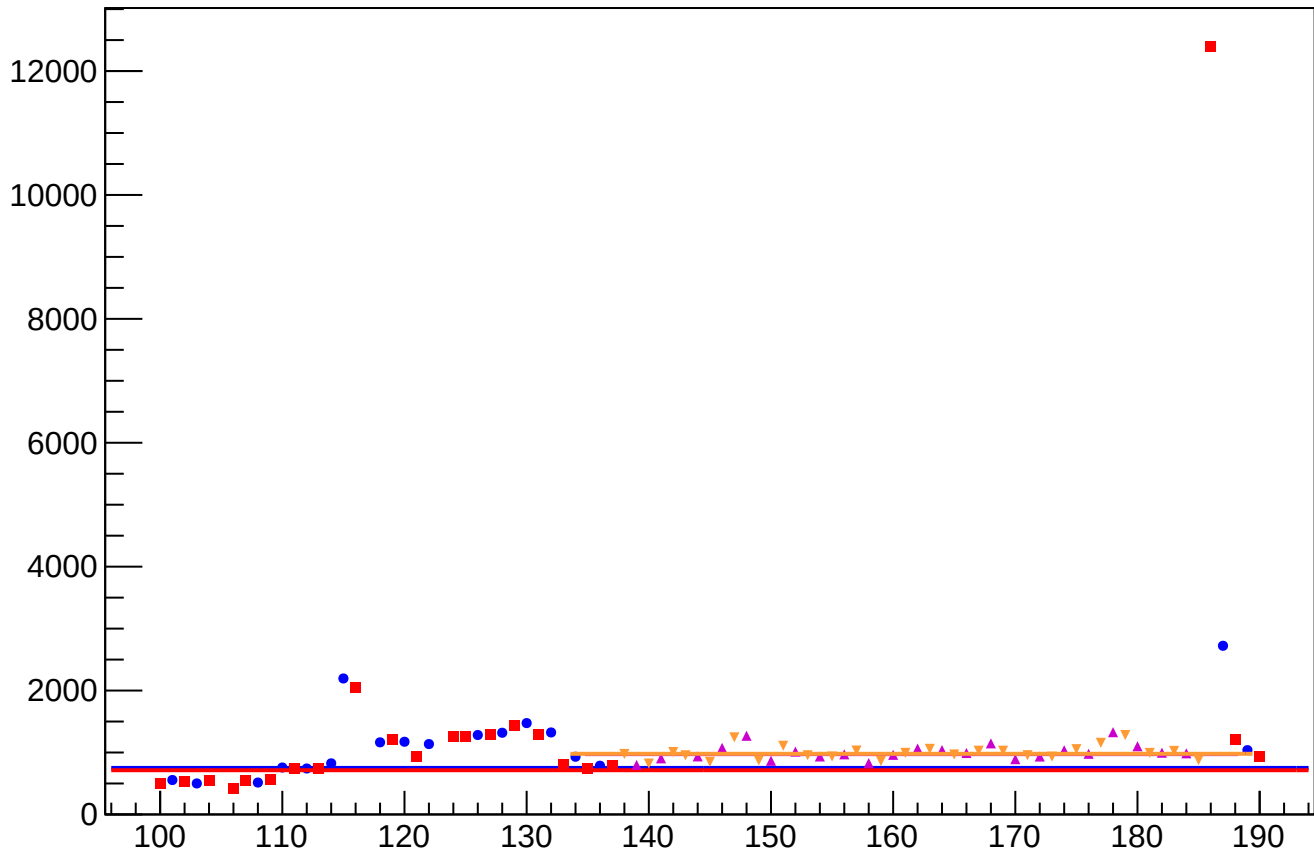
Left In: -74.438+/-229.788 χ^2/NDF : 33.1/22

+ sign -131.879+/-177.039 χ^2/NDF : 32.4/42

All: -202.128+/-123.527 χ^2/NDF : 91.2/87

- sign -268.775+/-172.439 χ^2/NDF : 58.6/44

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 751.051 $\pm$ 0.203 χ^2 /NDF: 2110555.0/17

Left Out: 979.112 $\pm$ 0.159 χ^2 /NDF: 429793.5/24

Right Out: 714.221 $\pm$ 0.184 χ^2 /NDF: 2922892.4/21

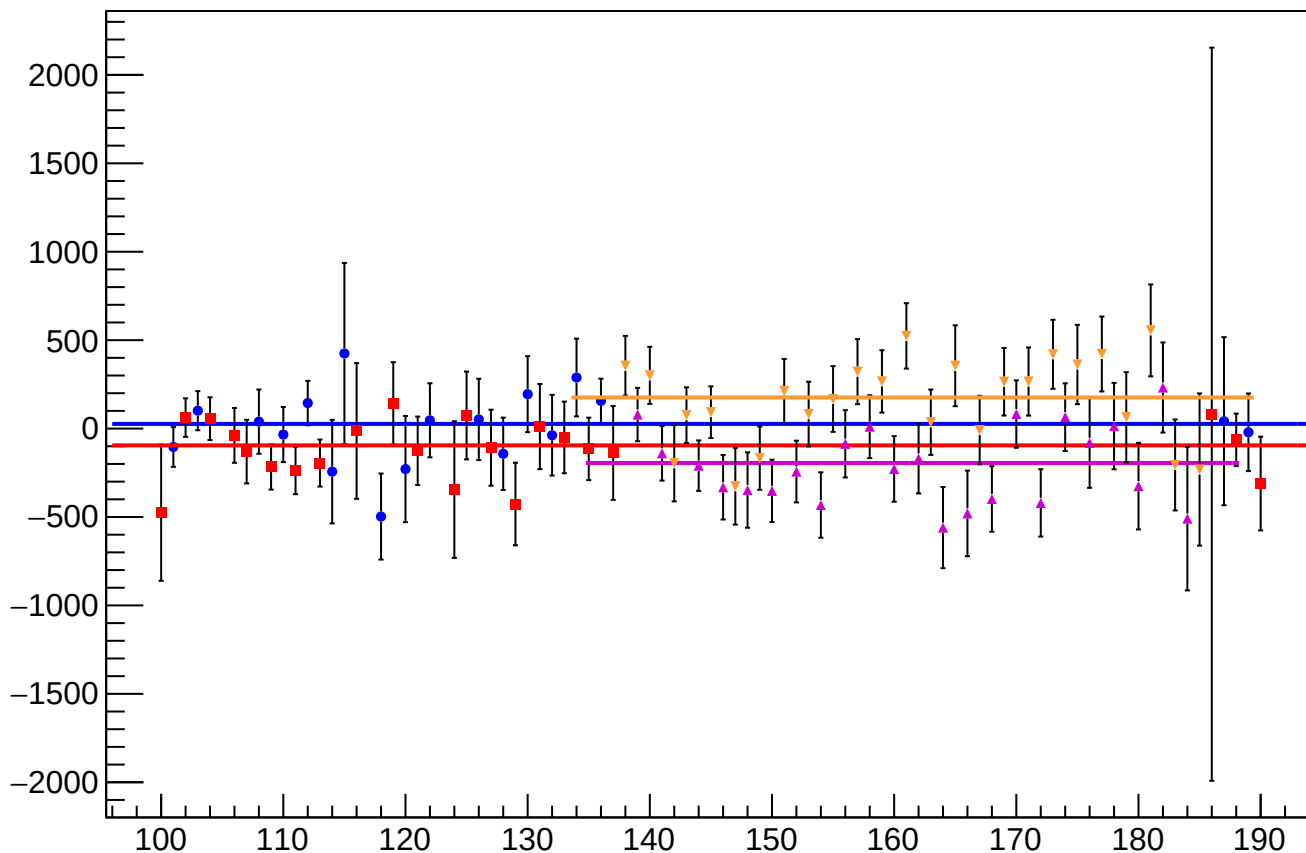
Left In: 973.818 $\pm$ 0.162 χ^2 /NDF: 498615.1/22

+ sign 892.808 $\pm$ 0.125 χ^2 /NDF: 3321015.7/42

All: 876.183 $\pm$ 0.087 χ^2 /NDF: 7891990.9/87

- sign 860.411 $\pm$ 0.122 χ^2 /NDF: 4536605.9/44

dit_asym_sam5_mean vs Slug



Right In: 26.370 ± 42.442 $\chi^2/\text{NDF}: 13.6/17$

Left Out: 176.010 ± 38.838 $\chi^2/\text{NDF}: 30.8/24$

Right Out: -94.895 ± 38.679 $\chi^2/\text{NDF}: 12.4/21$

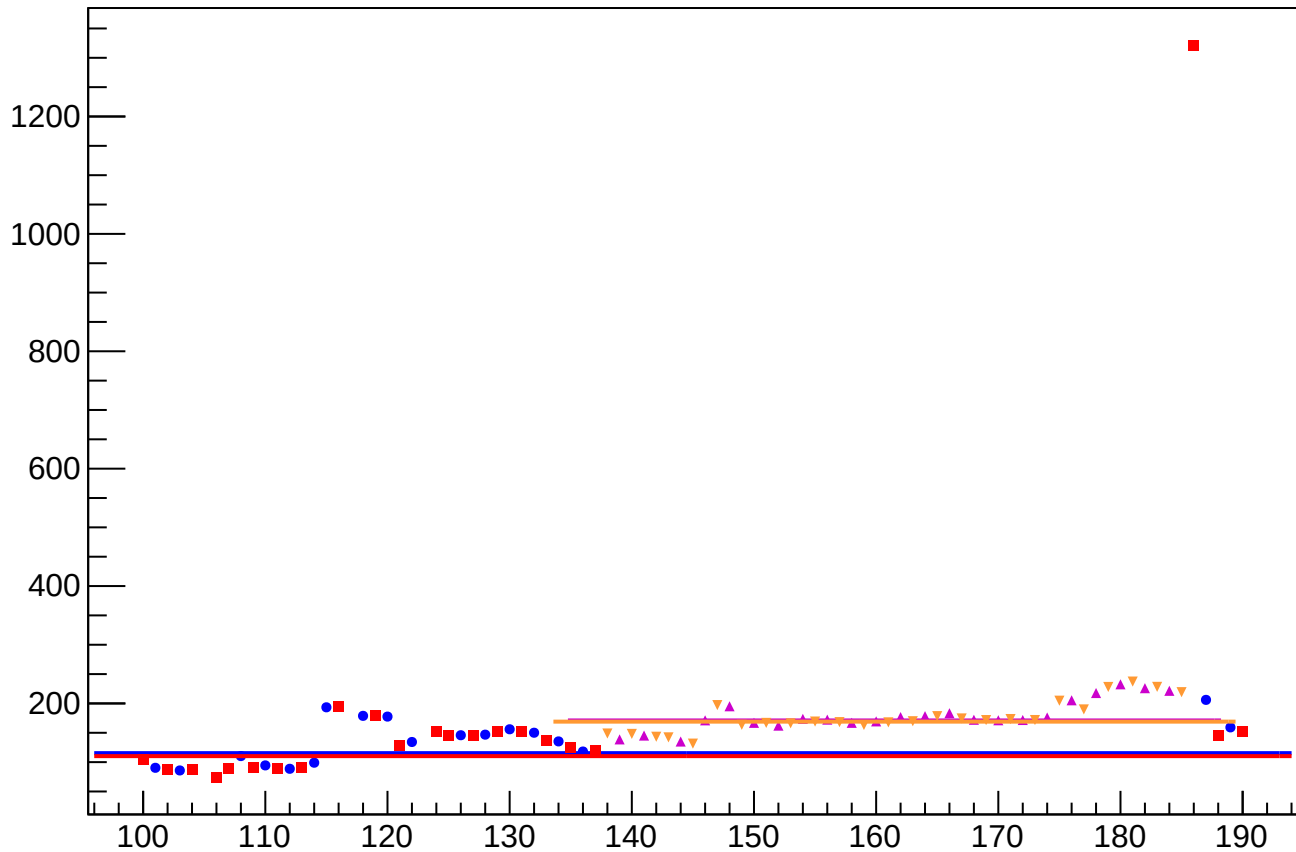
Left In: -194.324 ± 40.384 $\chi^2/\text{NDF}: 23.8/22$

+ sign 107.813 ± 28.652 $\chi^2/\text{NDF}: 51.1/42$

All: -20.504 ± 20.001 $\chi^2/\text{NDF}: 129.7/87$

- sign -142.467 ± 27.933 $\chi^2/\text{NDF}: 39.4/44$

dit_asym_sam5_rms vs Slug



Right In: 115.321+/-0.030 χ^2/NDF : 1031689.6/17

Left Out: 169.009+/-0.027 χ^2/NDF : 773937.9/24

Right Out: 110.217+/-0.027 χ^2/NDF : 1865960.8/21

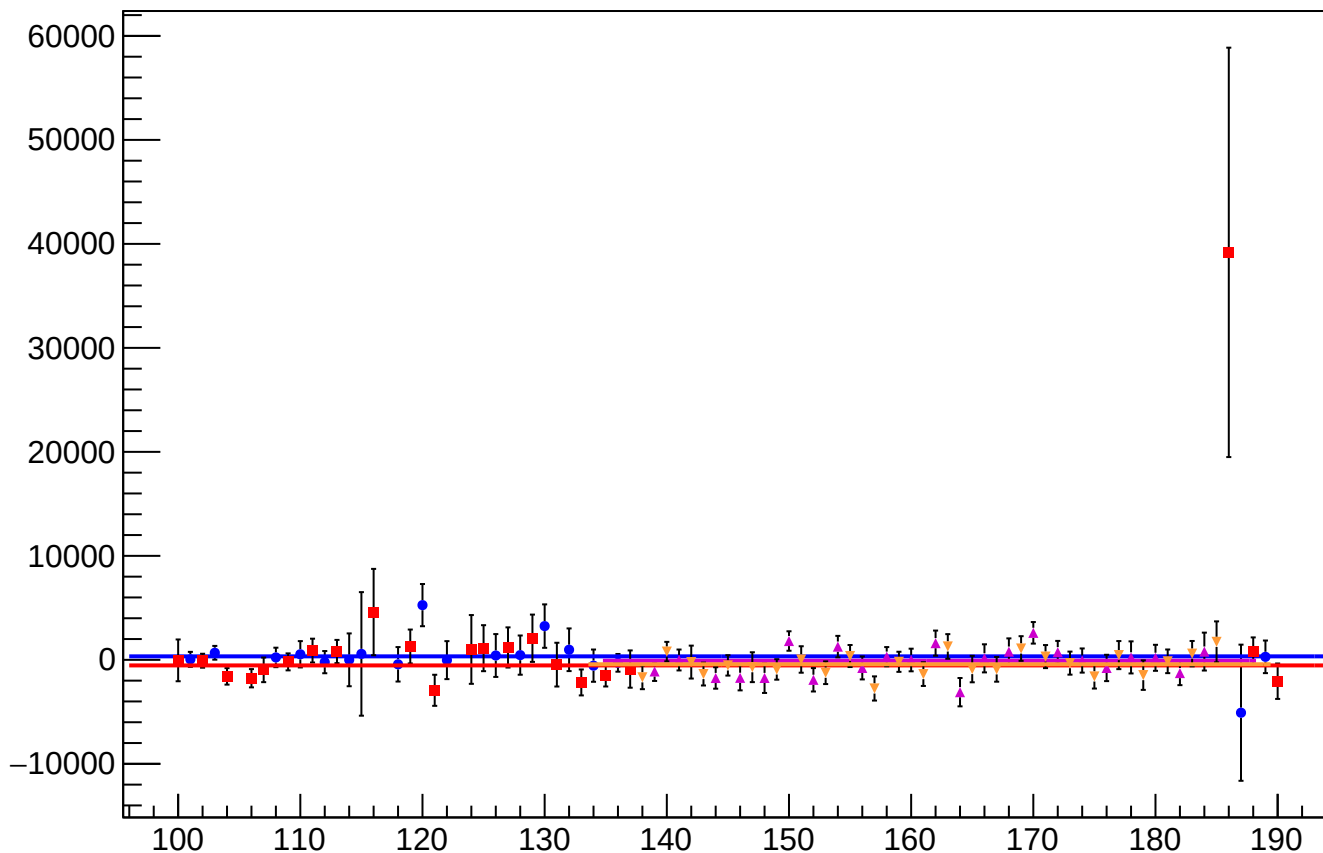
Left In: 171.021+/-0.029 χ^2/NDF : 678106.1/22

+ sign 144.541+/-0.020 χ^2/NDF : 3547469.5/42

All: 141.859+/-0.014 χ^2/NDF : 8490398.8/87

- sign 139.309+/-0.020 χ^2/NDF : 4908739.0/44

asym_sam5_dit_correction_mean vs Slug



Right In: 335.578 $\pm$ 299.384 χ^2/NDF : 10.5/17

Left Out: -425.819 $\pm$ 232.561 χ^2/NDF : 18.4/24

Right Out: -536.182 $\pm$ 269.626 χ^2/NDF : 24.3/21

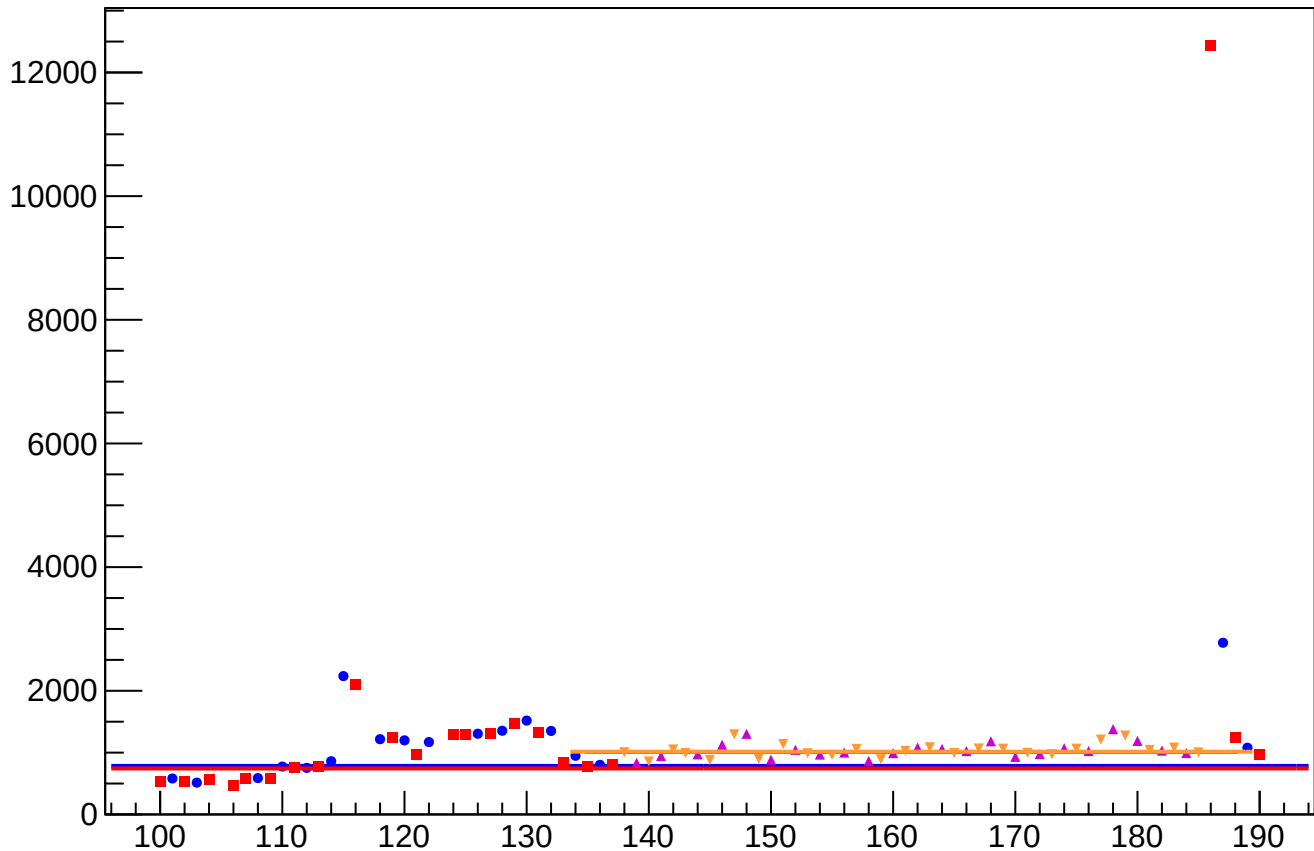
Left In: -86.486 $\pm$ 238.155 χ^2/NDF : 32.4/22

+ sign -139.282 $\pm$ 183.660 χ^2/NDF : 32.9/42

All: -213.483 $\pm$ 128.002 χ^2/NDF : 91.5/87

- sign -283.569 $\pm$ 178.496 χ^2/NDF : 58.3/44

asym_sam5_dit_correction_rms vs Slug



Right In: 785.051 $\pm$ 0.212 χ^2 /NDF: 2000744.7/17

Left Out: 1015.046 $\pm$ 0.164 χ^2 /NDF: 397966.2/24

Right Out: 743.541 $\pm$ 0.191 χ^2 /NDF: 2817347.5/21

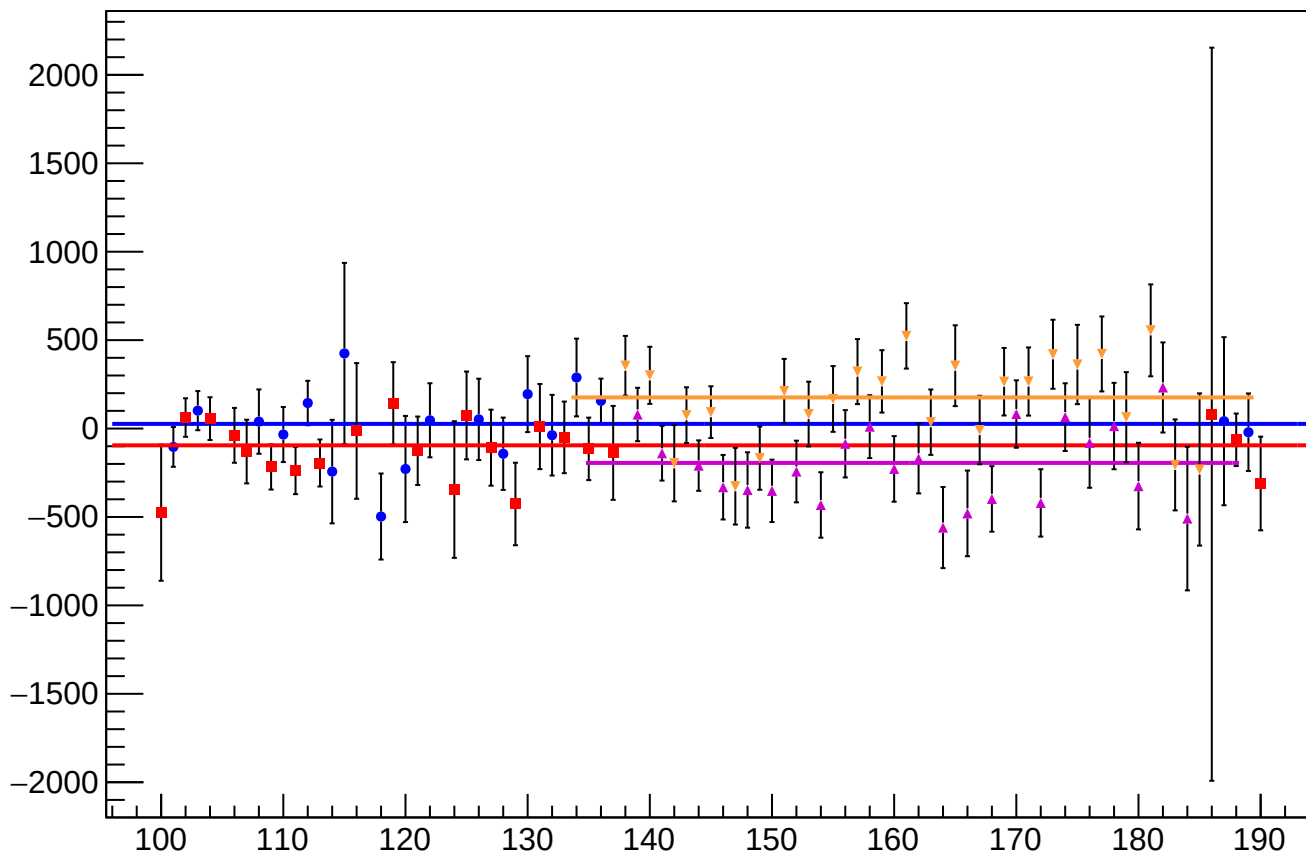
Left In: 1009.672 $\pm$ 0.168 χ^2 /NDF: 498783.5/22

+ sign 928.492 $\pm$ 0.130 χ^2 /NDF: 3134857.4/42

All: 910.259 $\pm$ 0.091 χ^2 /NDF: 7583862.1/87

- sign 893.038 $\pm$ 0.126 χ^2 /NDF: 4410676.5/44

eigen_dit_asym_sam5_mean vs Slug



Right In: 26.369 ± 42.442 $\chi^2/\text{NDF}: 13.6/17$

Left Out: 176.011 ± 38.838 $\chi^2/\text{NDF}: 30.8/24$

Right Out: -94.895 ± 38.679 $\chi^2/\text{NDF}: 12.4/21$

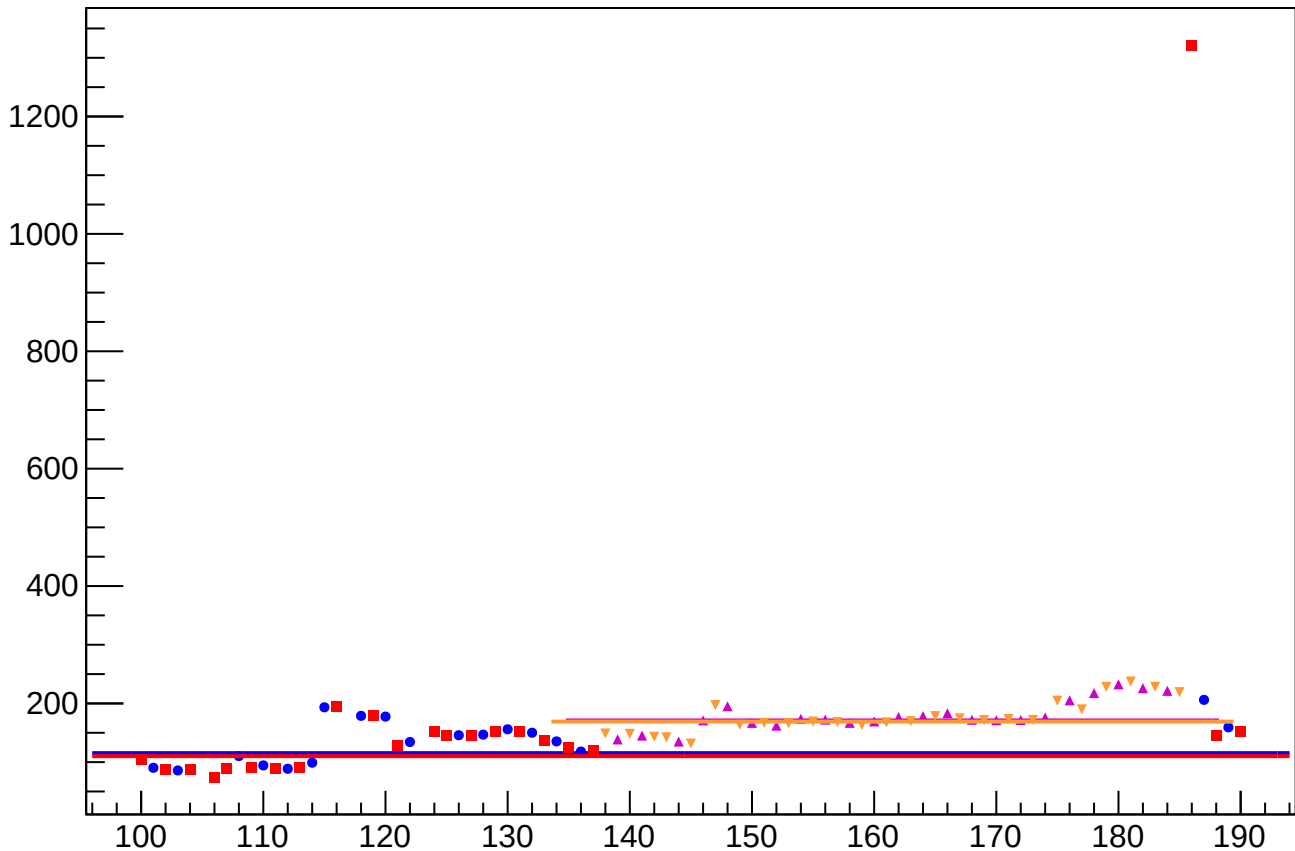
Left In: -194.324 ± 40.384 $\chi^2/\text{NDF}: 23.8/22$

+ sign 107.813 ± 28.652 $\chi^2/\text{NDF}: 51.1/42$

All: -20.504 ± 20.001 $\chi^2/\text{NDF}: 129.7/87$

- sign -142.467 ± 27.933 $\chi^2/\text{NDF}: 39.4/44$

eigen_dit_asym_sam5_rms vs Slug



Right In: 115.320 $\pm$ 0.030 χ^2 /NDF: 1031690.3/17

Left Out: 169.009 $\pm$ 0.027 χ^2 /NDF: 773925.9/24

Right Out: 110.217 $\pm$ 0.027 χ^2 /NDF: 1865953.4/21

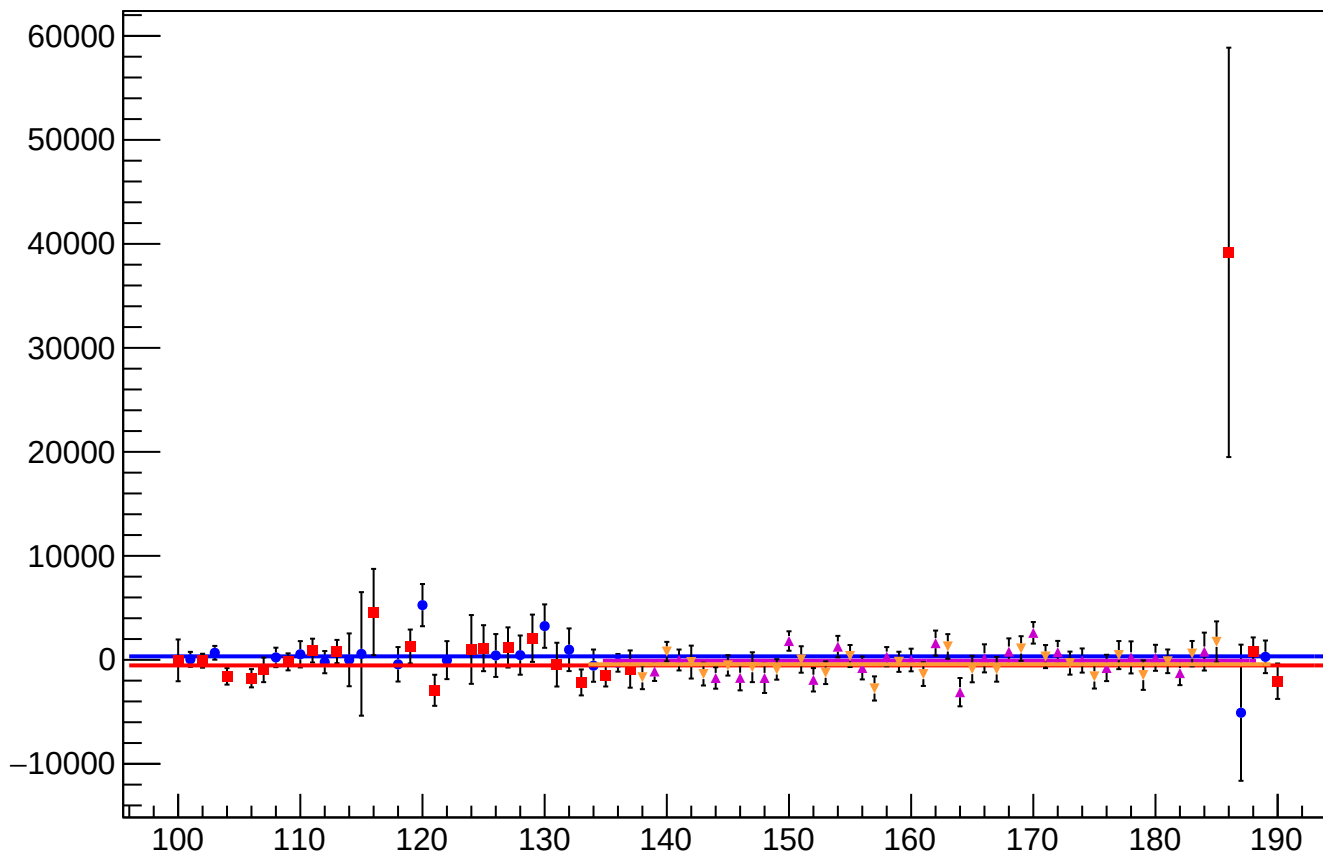
Left In: 171.021 $\pm$ 0.029 χ^2 /NDF: 678096.1/22

+ sign 144.541 $\pm$ 0.020 χ^2 /NDF: 3547486.7/42

All: 141.859 $\pm$ 0.014 χ^2 /NDF: 8490434.1/87

- sign 139.309 $\pm$ 0.020 χ^2 /NDF: 4908758.0/44

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 335.577 ± 299.384 χ^2/NDF : 10.5/17

Left Out: -425.818 ± 232.561 χ^2/NDF : 18.4/24

Right Out: -536.182 ± 269.626 χ^2/NDF : 24.3/21

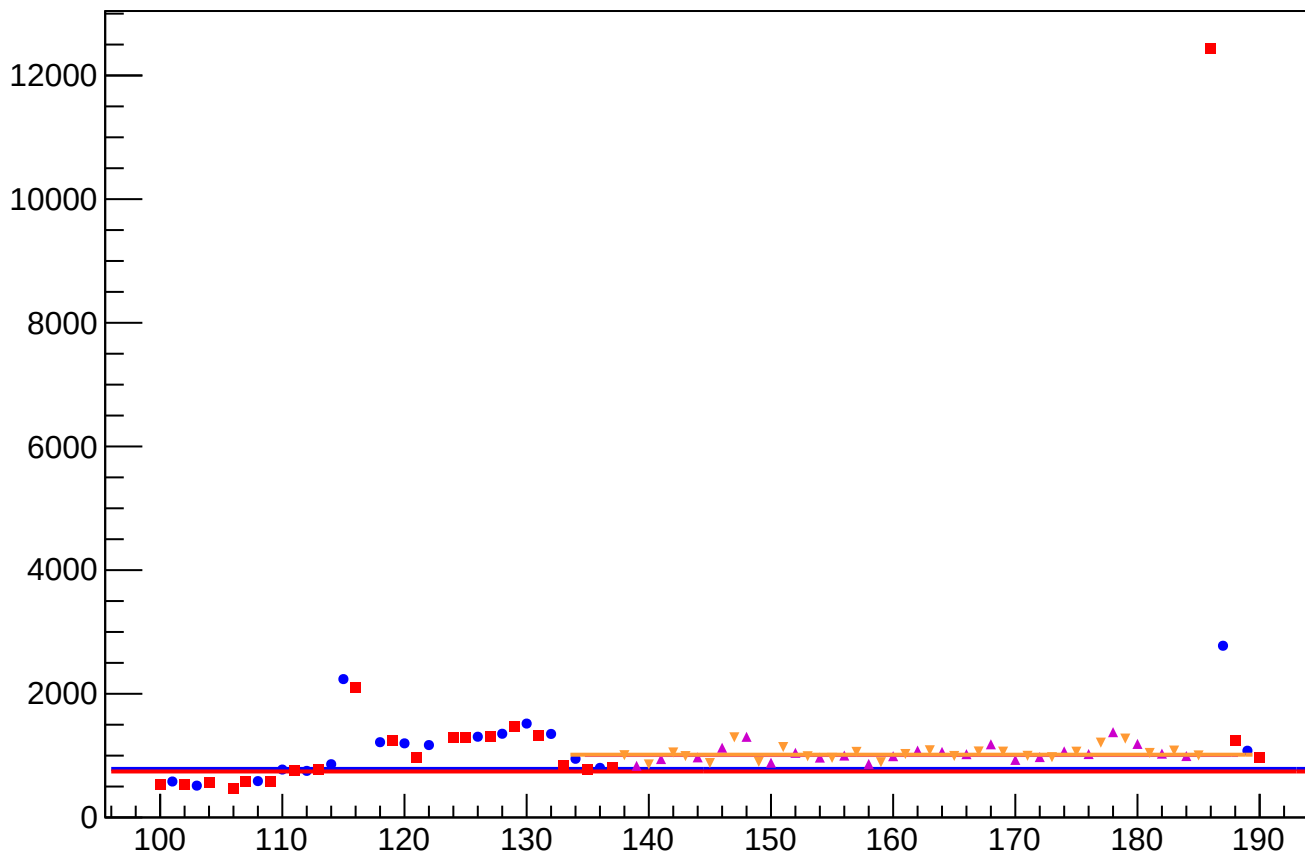
Left In: -86.487 ± 238.155 χ^2/NDF : 32.4/22

+ sign -139.281 ± 183.660 χ^2/NDF : 32.9/42

All: -213.483 ± 128.002 χ^2/NDF : 91.5/87

- sign -283.570 ± 178.496 χ^2/NDF : 58.3/44

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 785.050 $\pm$ 0.212 χ^2 /NDF: 2000744.1/17

Left Out: 1015.047 $\pm$ 0.164 χ^2 /NDF: 397964.6/24

Right Out: 743.540 $\pm$ 0.191 χ^2 /NDF: 2817345.8/21

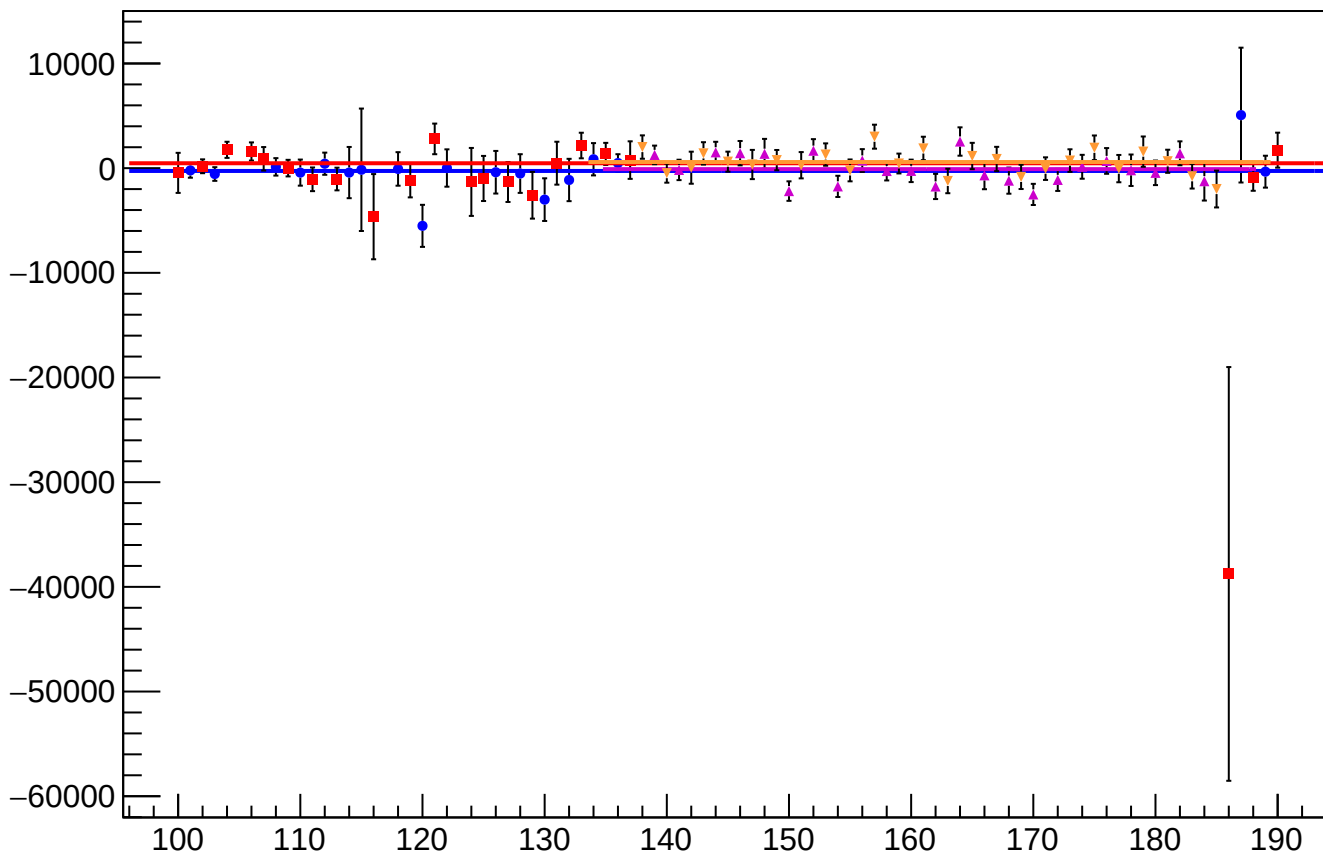
Left In: 1009.673 $\pm$ 0.168 χ^2 /NDF: 498783.6/22

+ sign 928.492 $\pm$ 0.130 χ^2 /NDF: 3134870.4/42

All: 910.259 $\pm$ 0.091 χ^2 /NDF: 7583893.3/87

- sign 893.038 $\pm$ 0.126 χ^2 /NDF: 4410694.6/44

asym_sam5_mean vs Slug



Right In: -267.463 ± 290.941 χ^2/NDF : 11.8/17

Left Out: 586.188 ± 227.585 χ^2/NDF : 20.8/24

Right Out: 468.924 ± 263.767 χ^2/NDF : 26.0/21

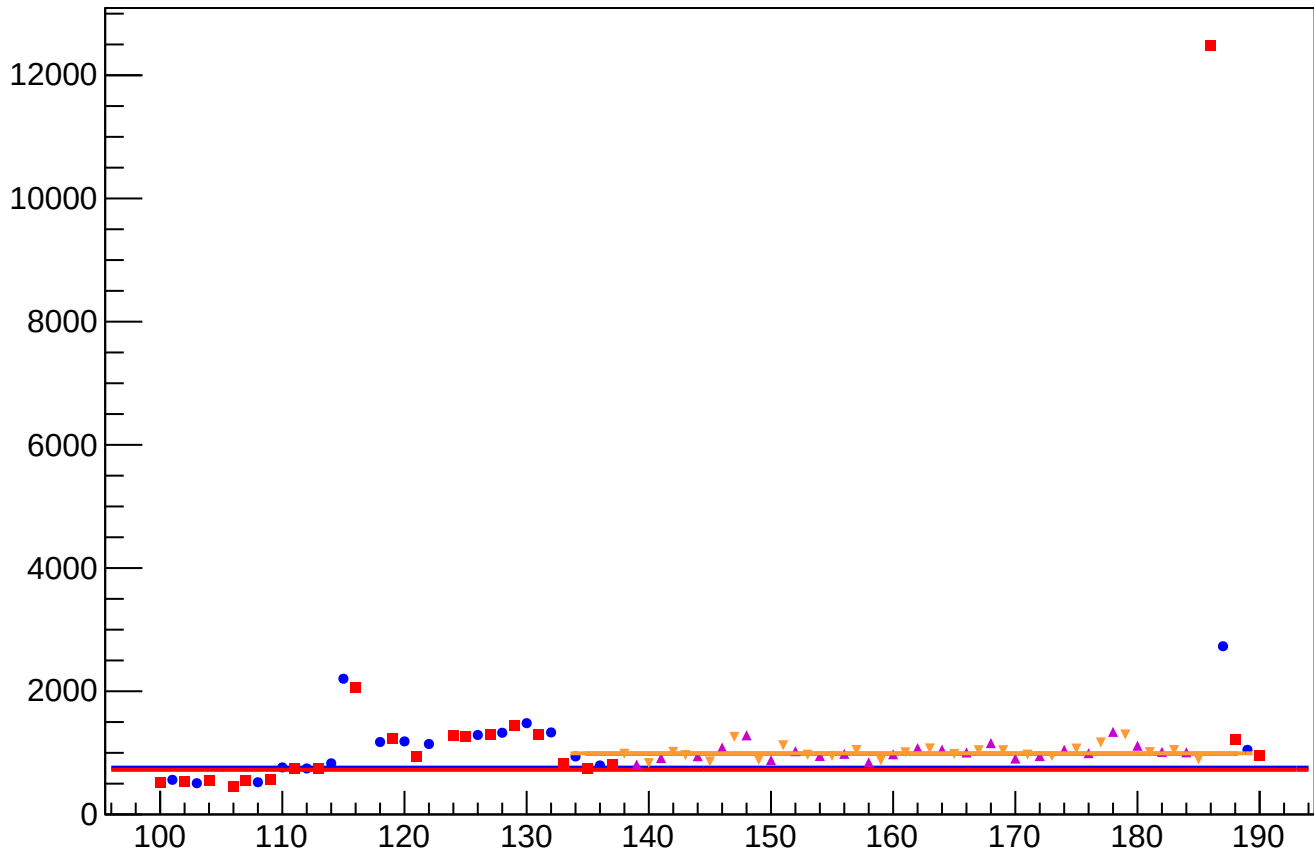
Left In: -92.688 ± 233.019 χ^2/NDF : 34.6/22

+ sign 262.131 ± 179.257 χ^2/NDF : 37.9/42

All: 206.392 ± 125.087 χ^2/NDF : 101.2/87

- sign 153.491 ± 174.633 χ^2/NDF : 63.2/44

asym_sam5_rms vs Slug



Right In: 759.914 $\pm$ 0.206 χ^2 /NDF: 2086844.4/17

Left Out: 992.549 $\pm$ 0.161 χ^2 /NDF: 424899.6/24

Right Out: 724.739 $\pm$ 0.187 χ^2 /NDF: 2868870.7/21

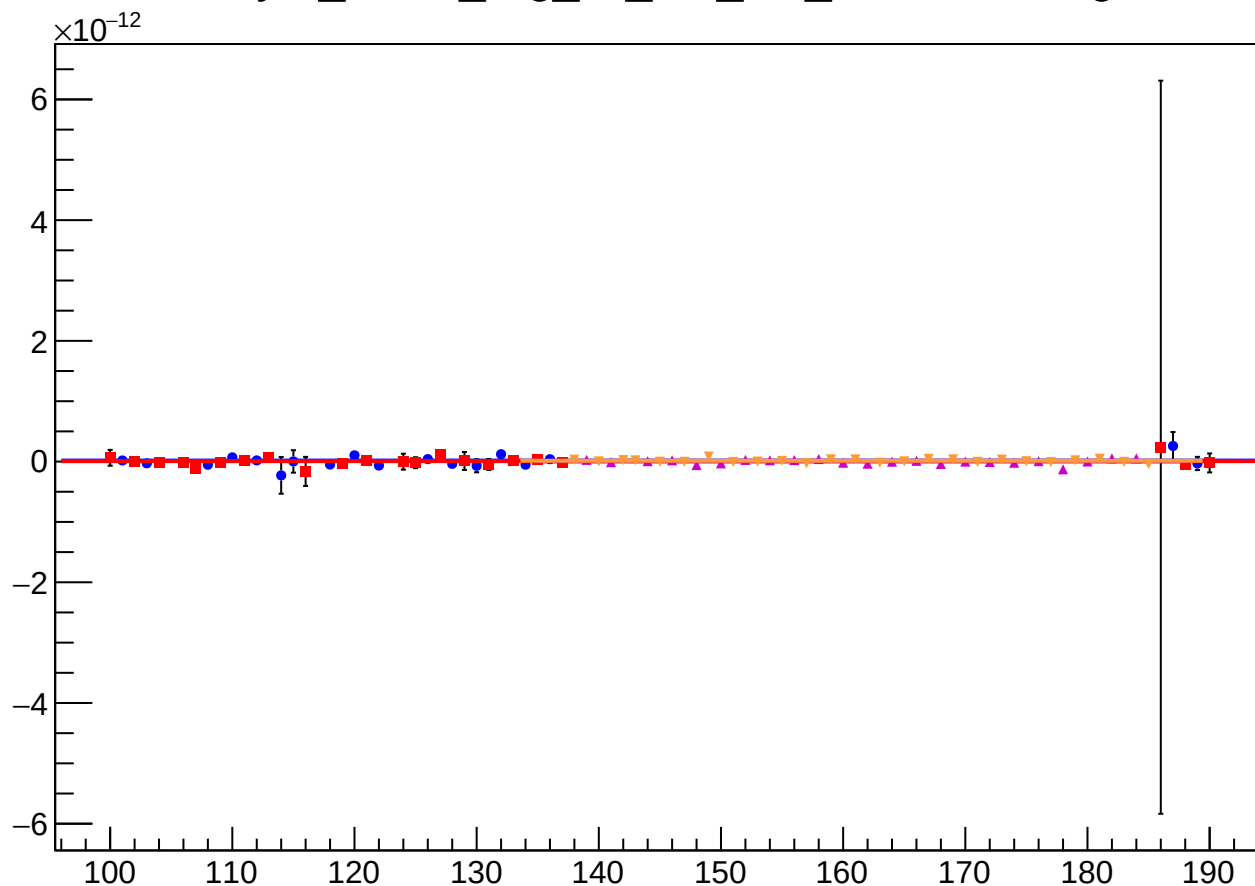
Left In: 987.784 $\pm$ 0.165 χ^2 /NDF: 487733.2/22

+ sign 904.238 $\pm$ 0.127 χ^2 /NDF: 3305039.3/42

All: 887.944 $\pm$ 0.088 χ^2 /NDF: 7811024.1/87

- sign 872.480 $\pm$ 0.123 χ^2 /NDF: 4473778.3/44

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 19.2/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 23.1/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.3/21

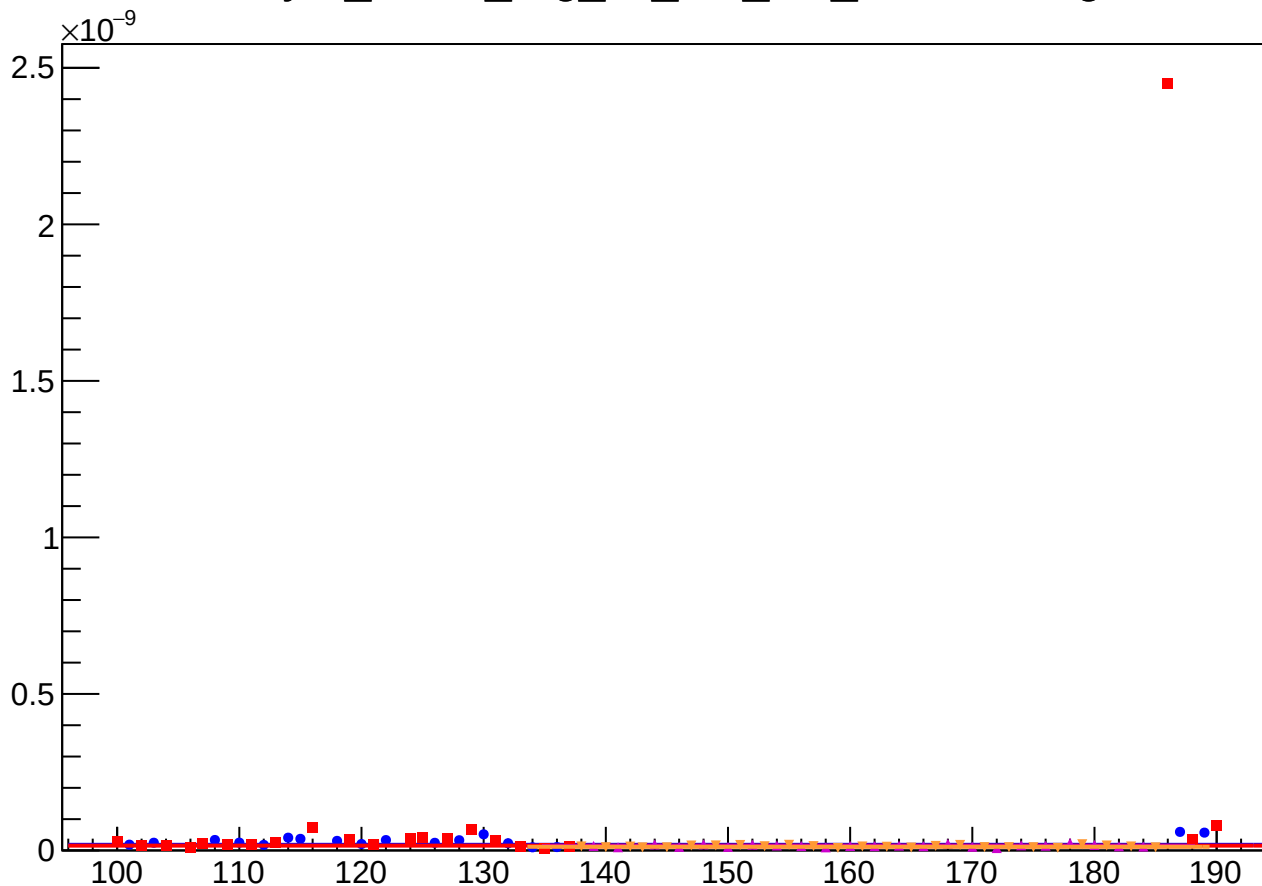
Left In: 0.000 ± 0.000 χ^2/NDF : 28.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 42.4/42

All: 0.000 ± 0.000 χ^2/NDF : 88.7/87

- sign 0.000 ± 0.000 χ^2/NDF : 43.6/44

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1475725.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2626401.5/21

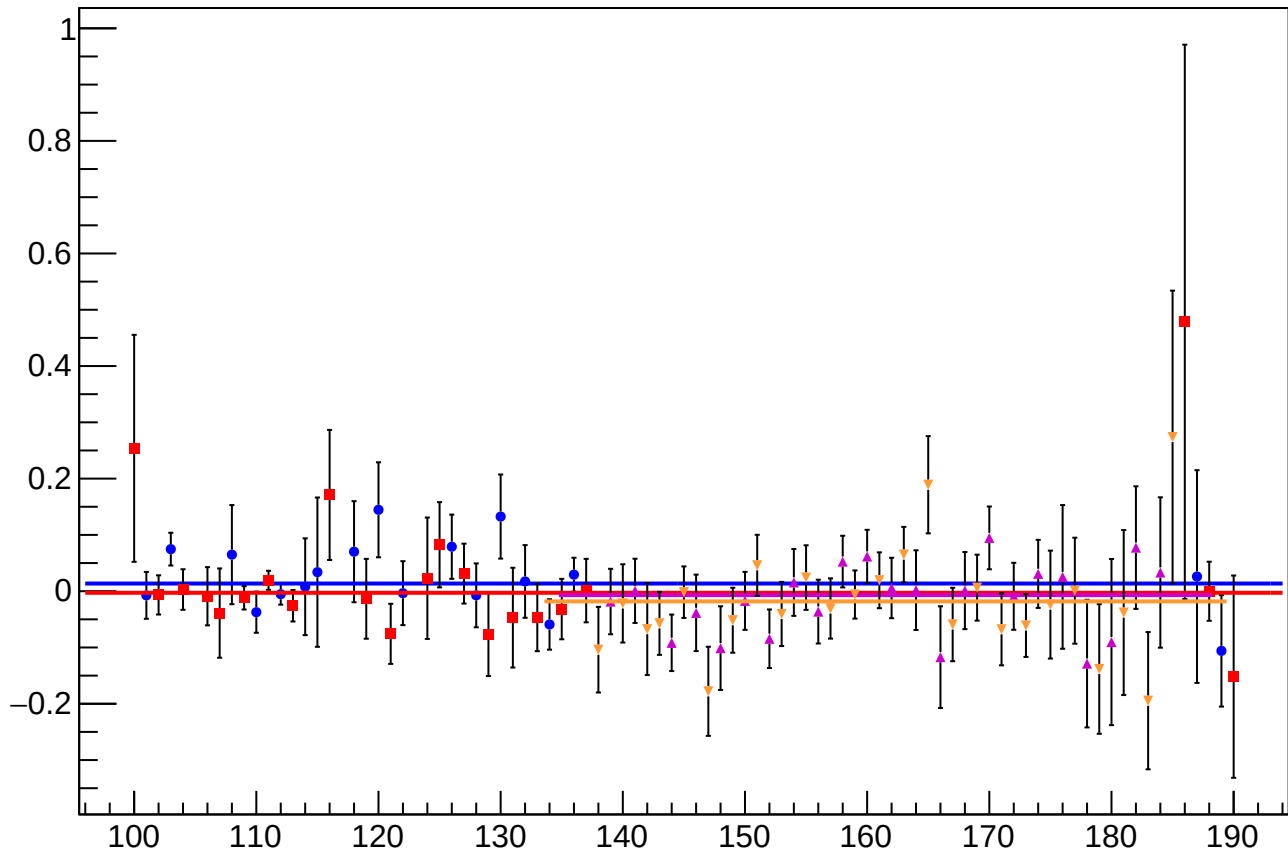
Left In: 0.000+/-0.000 χ^2/NDF : 853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 2831249.8/42

All: 0.000+/-0.000 χ^2/NDF : 6457240.9/87

- sign 0.000+/-0.000 χ^2/NDF : 3553481.8/44

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.011 $\chi^2/\text{NDF}: 19.3/17$

Left Out: -0.018 ± 0.013 $\chi^2/\text{NDF}: 24.3/24$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 14.1/21$

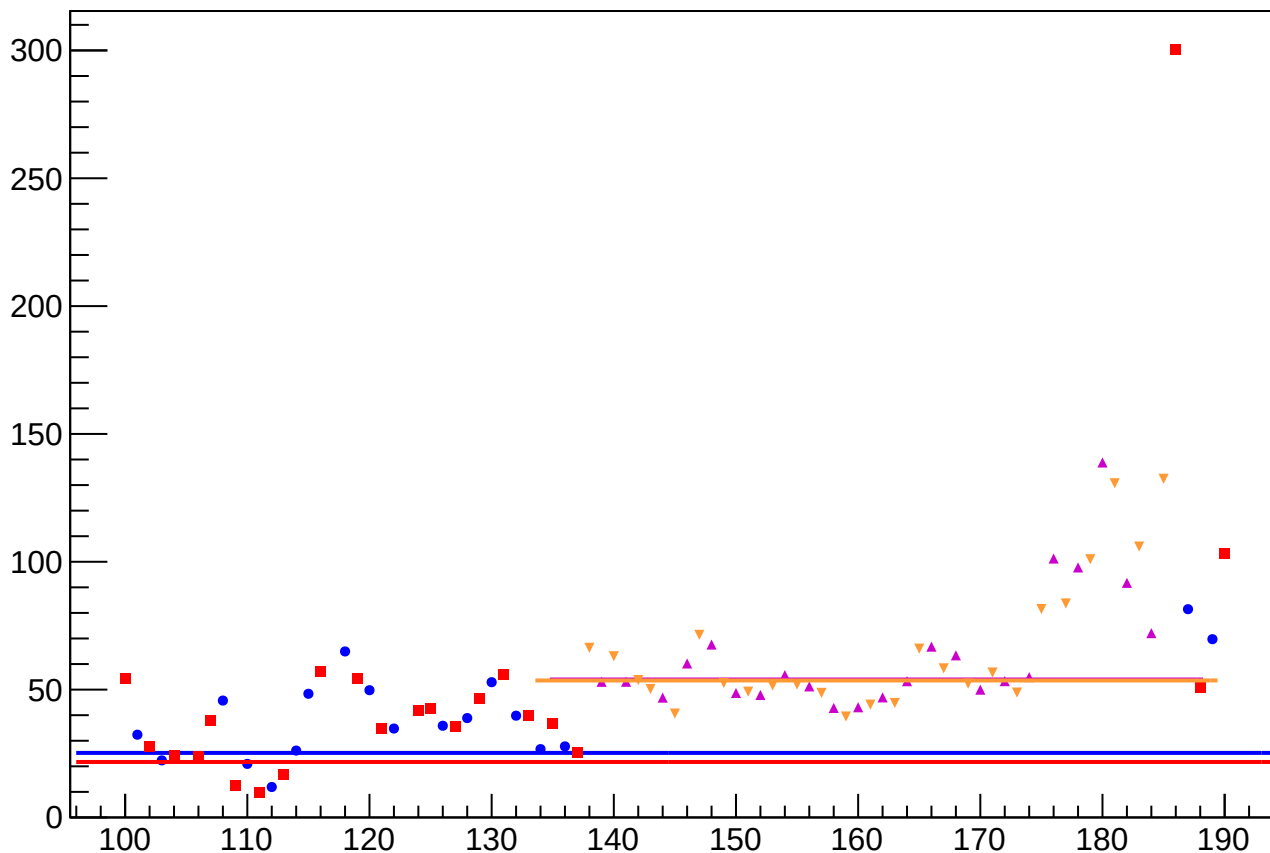
Left In: -0.007 ± 0.013 $\chi^2/\text{NDF}: 18.7/22$

+ sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 47.3/42$

All: -0.002 ± 0.006 $\chi^2/\text{NDF}: 80.3/87$

- sign -0.004 ± 0.007 $\chi^2/\text{NDF}: 32.9/44$

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 25.251 $\pm$ 0.007 χ^2 /NDF: 3073703.9/17

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642509.0/24

Right Out: 21.699 $\pm$ 0.006 χ^2 /NDF: 5285710.9/21

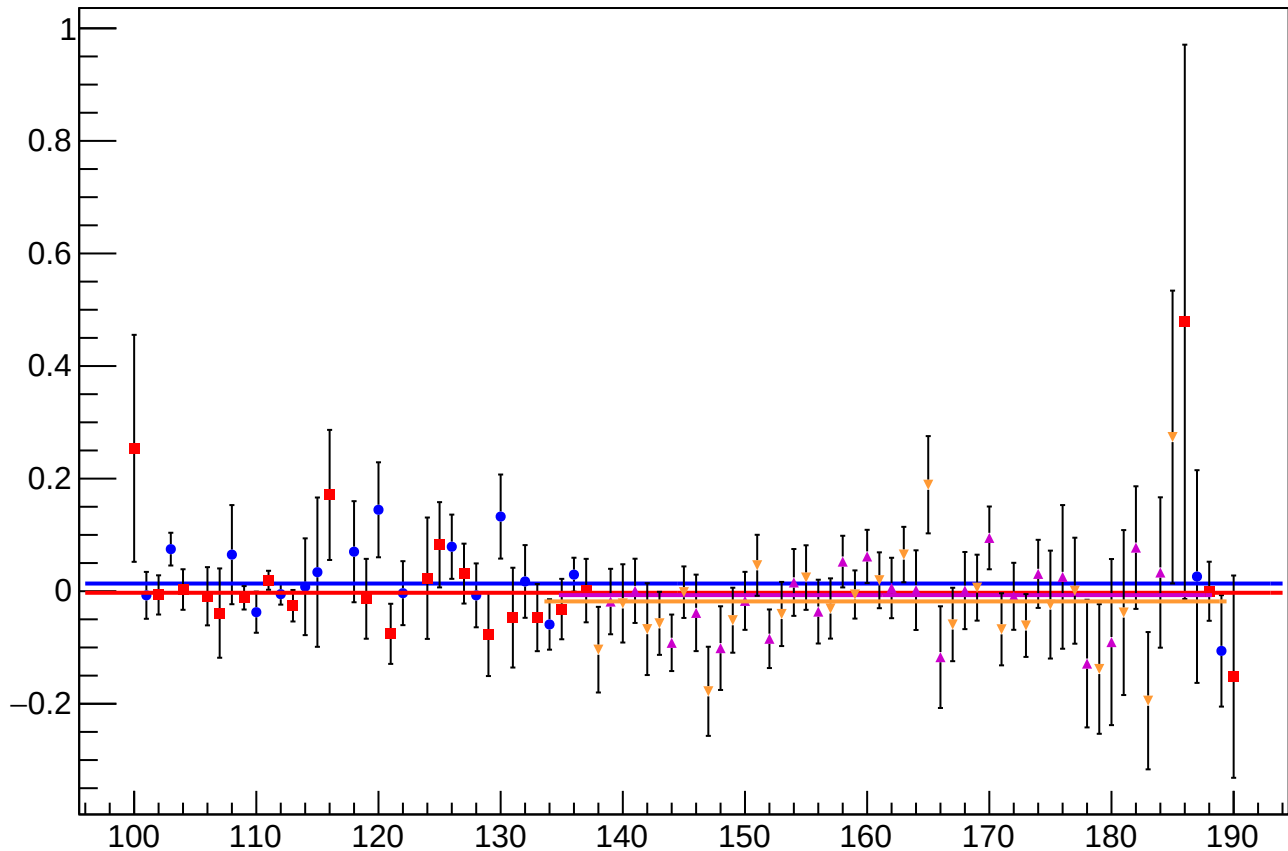
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039530.1/22

+ sign 36.661 $\pm$ 0.006 χ^2 /NDF: 11567560.2/42

All: 34.169 $\pm$ 0.004 χ^2 /NDF: 27359544.7/87

- sign 32.059 $\pm$ 0.005 χ^2 /NDF: 15444516.8/44

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 ± 0.011 $\chi^2/\text{NDF}: 19.3/17$

Left Out: -0.018 ± 0.013 $\chi^2/\text{NDF}: 24.3/24$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 14.1/21$

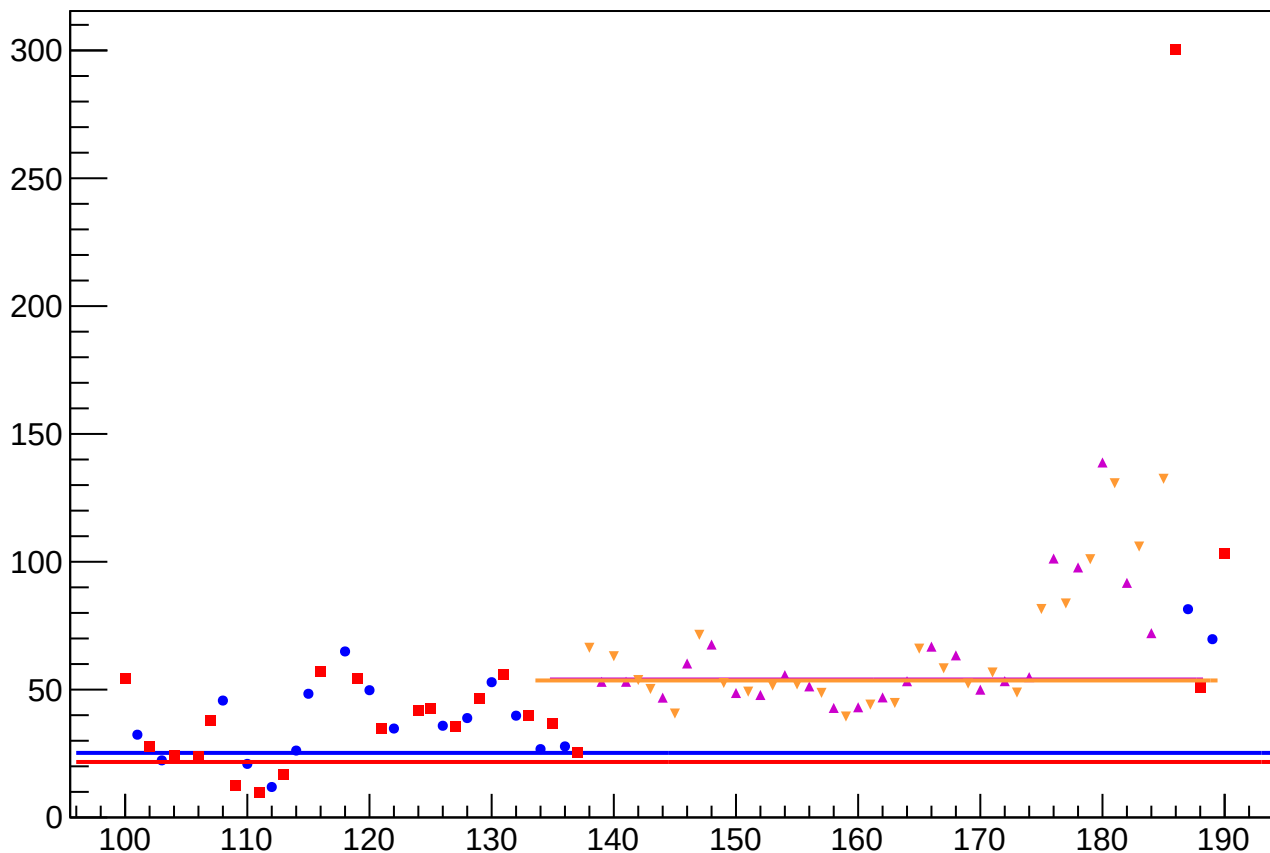
Left In: -0.007 ± 0.013 $\chi^2/\text{NDF}: 18.7/22$

+ sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 47.3/42$

All: -0.002 ± 0.006 $\chi^2/\text{NDF}: 80.3/87$

- sign -0.004 ± 0.007 $\chi^2/\text{NDF}: 32.9/44$

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.251 $\pm$ 0.007 χ^2 /NDF: 3073703.9/17

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642509.0/24

Right Out: 21.699 $\pm$ 0.006 χ^2 /NDF: 5285710.9/21

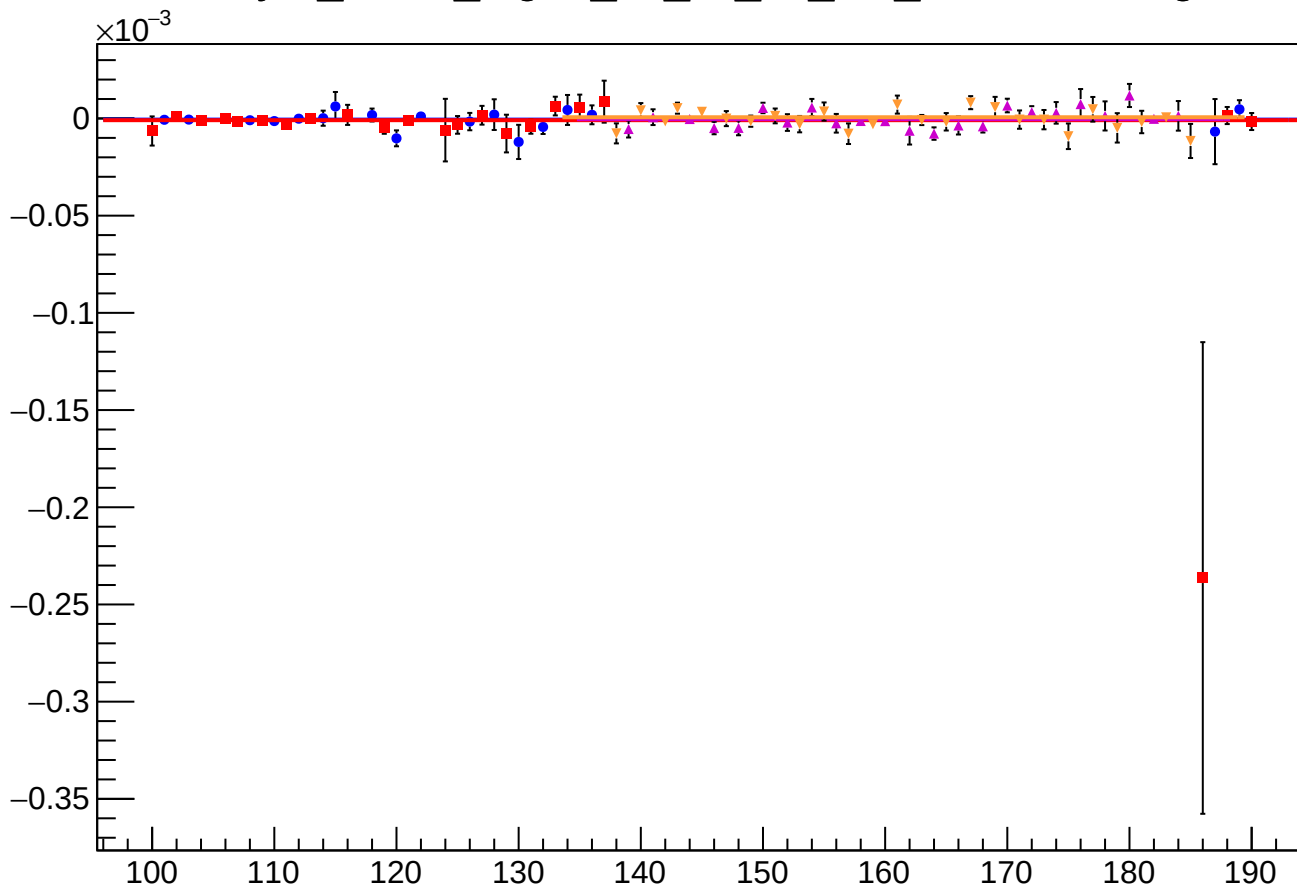
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039530.1/22

+ sign 36.661 $\pm$ 0.006 χ^2 /NDF: 11567560.2/42

All: 34.169 $\pm$ 0.004 χ^2 /NDF: 27359544.7/87

- sign 32.059 $\pm$ 0.005 χ^2 /NDF: 15444516.8/44

asym_sam5_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 12.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 31.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.0/21

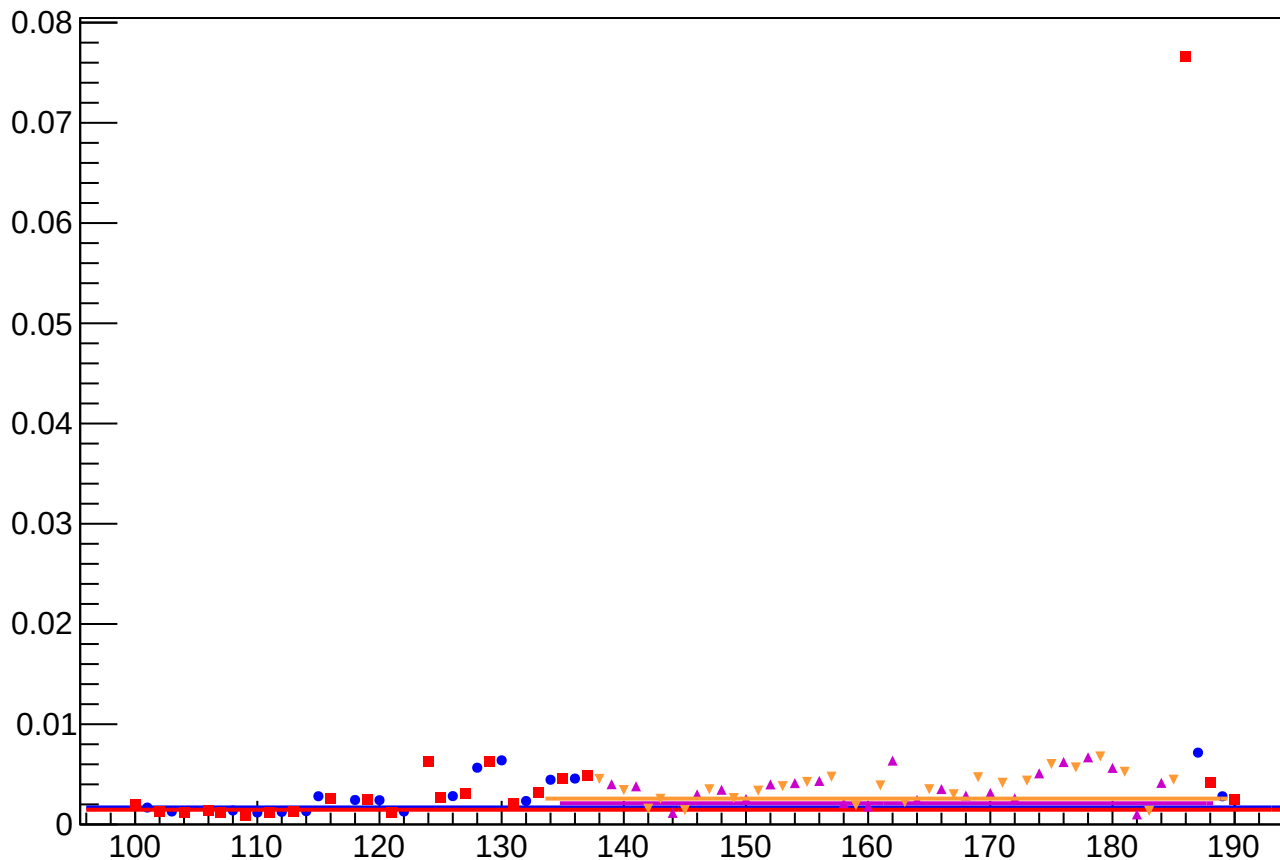
Left In: -0.000 ± 0.000 χ^2/NDF : 30.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 45.3/42

All: -0.000 ± 0.000 χ^2/NDF : 93.6/87

- sign -0.000 ± 0.000 χ^2/NDF : 47.2/44

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3273286.8/17

Left Out: 0.003+/-0.000 χ^2/NDF : 7112963.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 4579885.0/21

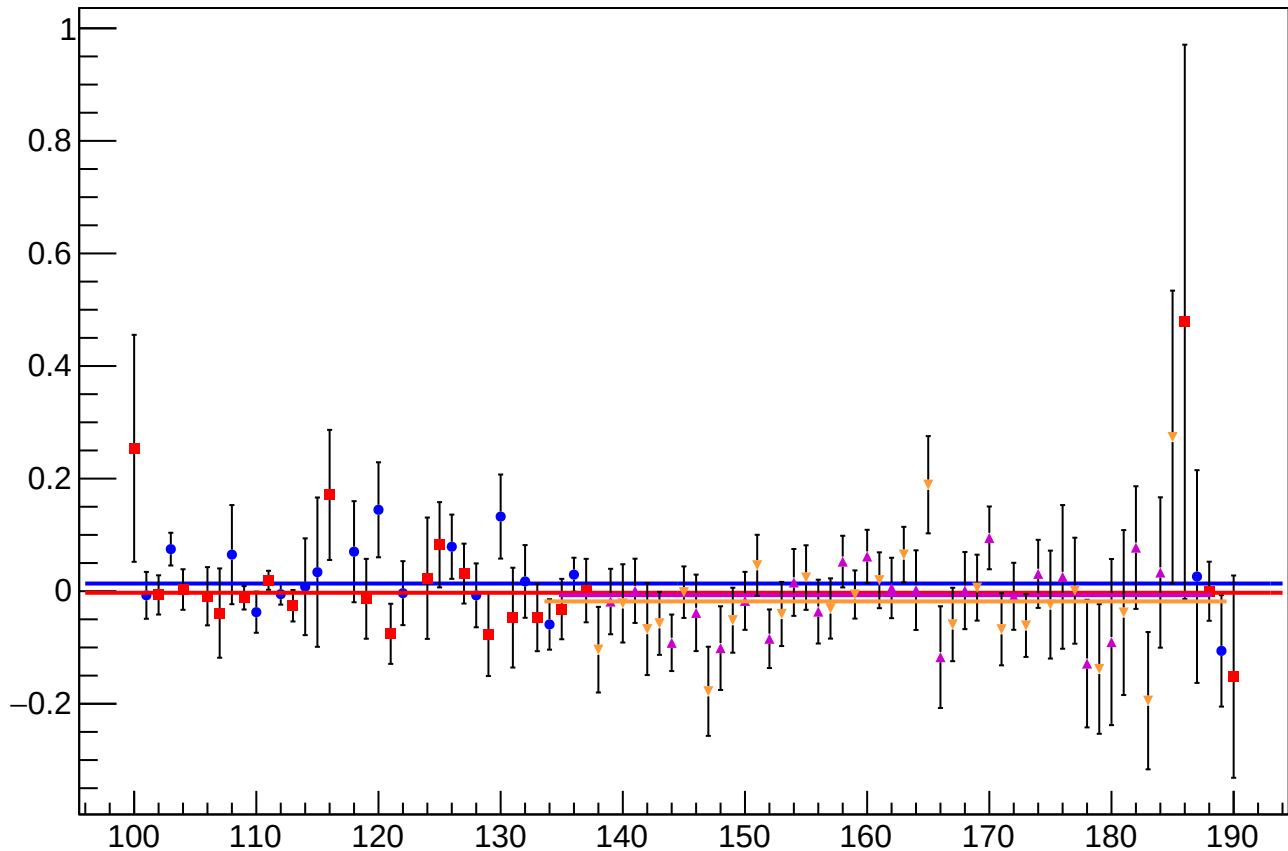
Left In: 0.002+/-0.000 χ^2/NDF : 9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 12078769.9/42

All: 0.002+/-0.000 χ^2/NDF : 28051141.1/87

- sign 0.002+/-0.000 χ^2/NDF : 15299601.7/44

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014 ± 0.011 $\chi^2/\text{NDF}: 19.3/17$

Left Out: -0.018 ± 0.013 $\chi^2/\text{NDF}: 24.3/24$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 14.1/21$

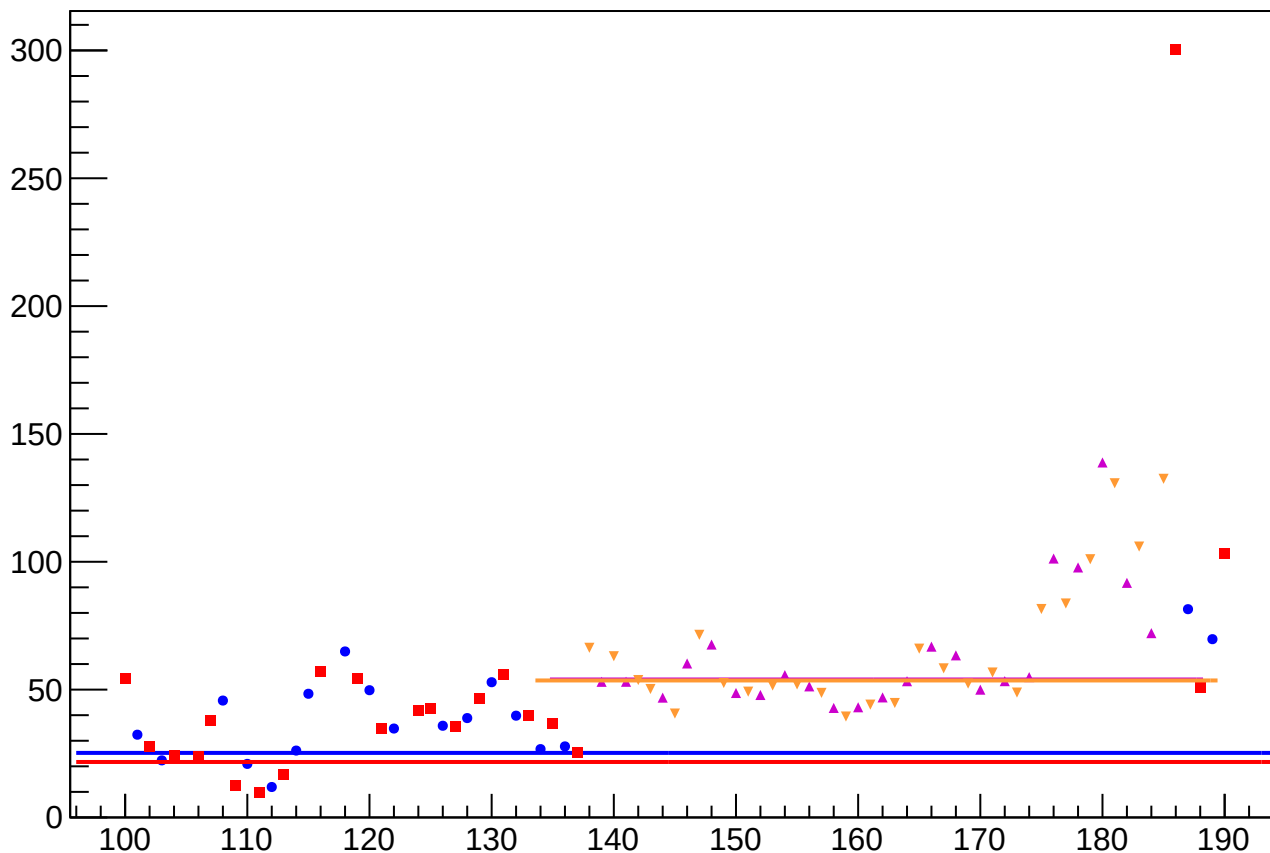
Left In: -0.007 ± 0.013 $\chi^2/\text{NDF}: 18.7/22$

+ sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 47.3/42$

All: -0.002 ± 0.006 $\chi^2/\text{NDF}: 80.3/87$

- sign -0.004 ± 0.007 $\chi^2/\text{NDF}: 32.9/44$

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.251 ± 0.007 χ^2/NDF : 3073668.4/17

Left Out: 53.582 ± 0.009 χ^2/NDF : 2642554.6/24

Right Out: 21.698 ± 0.006 χ^2/NDF : 5285723.6/21

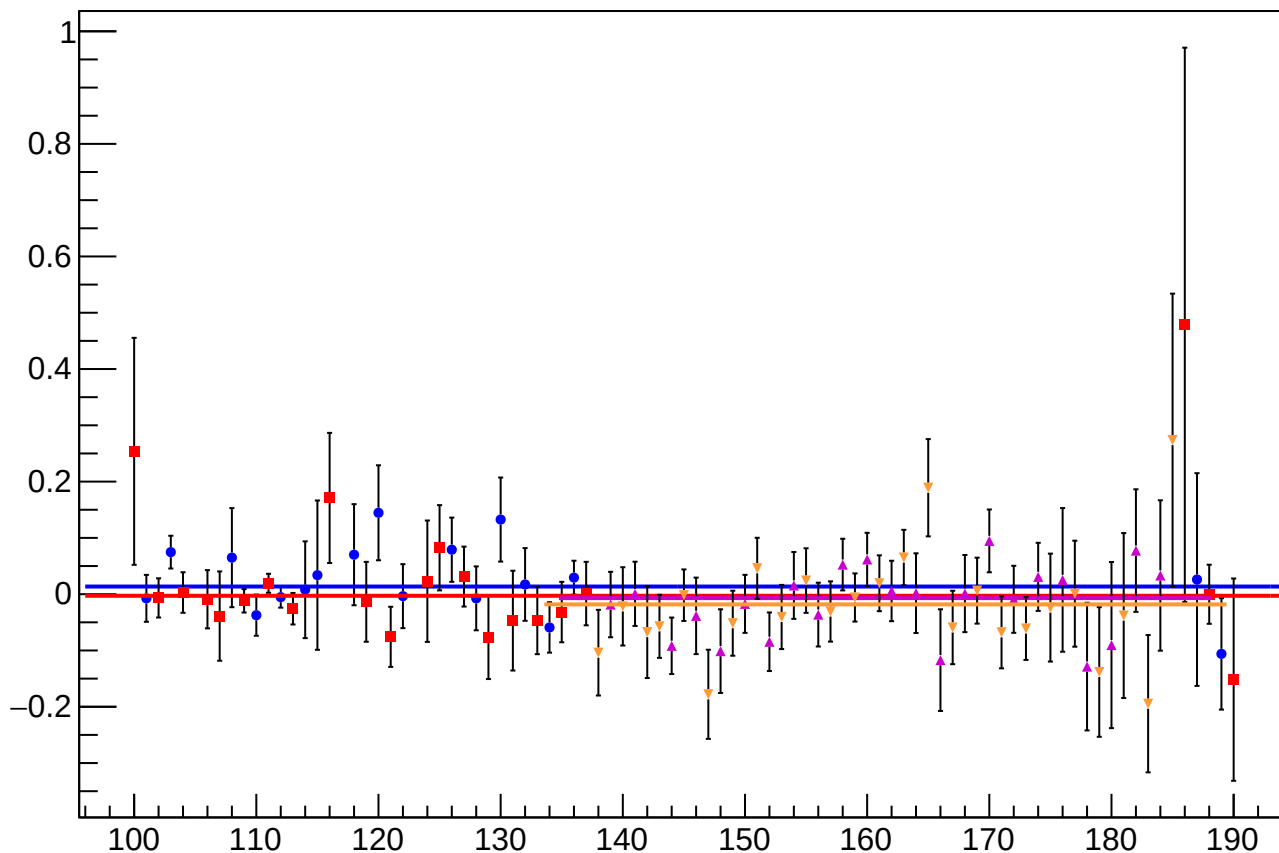
Left In: 53.961 ± 0.009 χ^2/NDF : 2039571.7/22

+ sign 36.660 ± 0.006 χ^2/NDF : 11567959.0/42

All: 34.168 ± 0.004 χ^2/NDF : 27360491.1/87

- sign 32.058 ± 0.005 χ^2/NDF : 15445037.5/44

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014 ± 0.011 $\chi^2/\text{NDF}: 19.3/17$

Left Out: -0.018 ± 0.013 $\chi^2/\text{NDF}: 24.3/24$

Right Out: -0.003 ± 0.009 $\chi^2/\text{NDF}: 14.1/21$

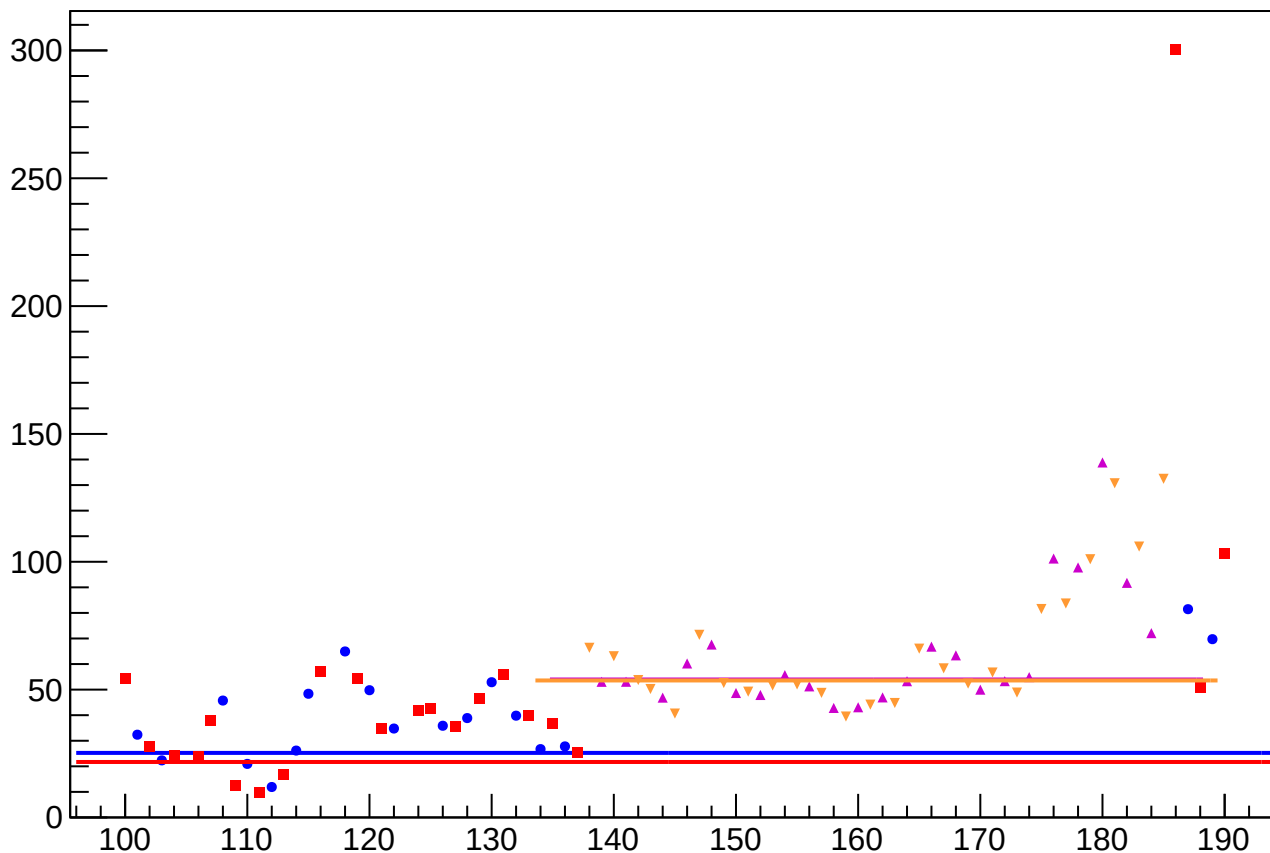
Left In: -0.007 ± 0.013 $\chi^2/\text{NDF}: 18.7/22$

+ sign 0.001 ± 0.008 $\chi^2/\text{NDF}: 47.3/42$

All: -0.002 ± 0.006 $\chi^2/\text{NDF}: 80.3/87$

- sign -0.004 ± 0.007 $\chi^2/\text{NDF}: 32.9/44$

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.251 $\pm$ 0.007 χ^2 /NDF: 3073668.4/17

Left Out: 53.582 $\pm$ 0.009 χ^2 /NDF: 2642554.6/24

Right Out: 21.698 $\pm$ 0.006 χ^2 /NDF: 5285723.6/21

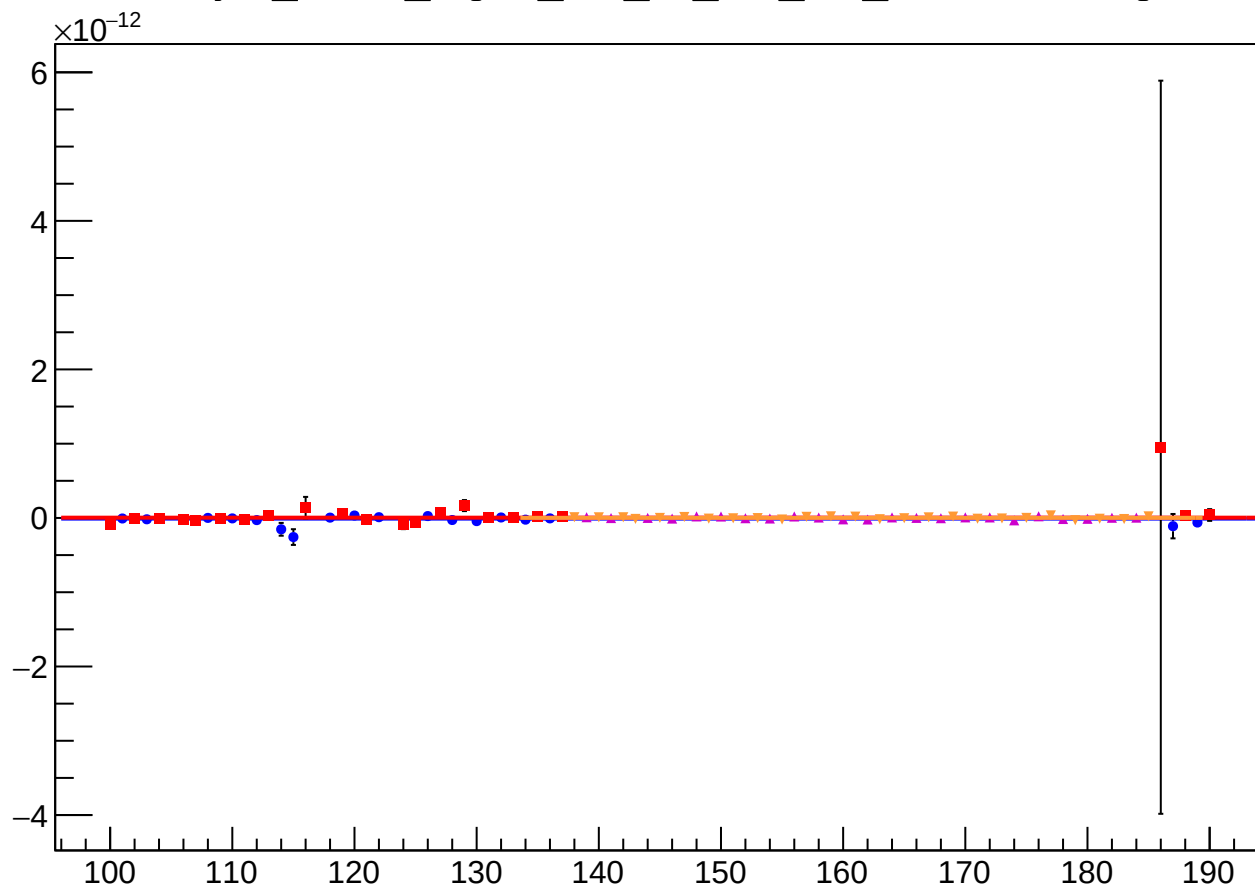
Left In: 53.961 $\pm$ 0.009 χ^2 /NDF: 2039571.7/22

+ sign 36.660 $\pm$ 0.006 χ^2 /NDF: 11567959.0/42

All: 34.168 $\pm$ 0.004 χ^2 /NDF: 27360491.1/87

- sign 32.058 $\pm$ 0.005 χ^2 /NDF: 15445037.5/44

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 27.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 27.4/21

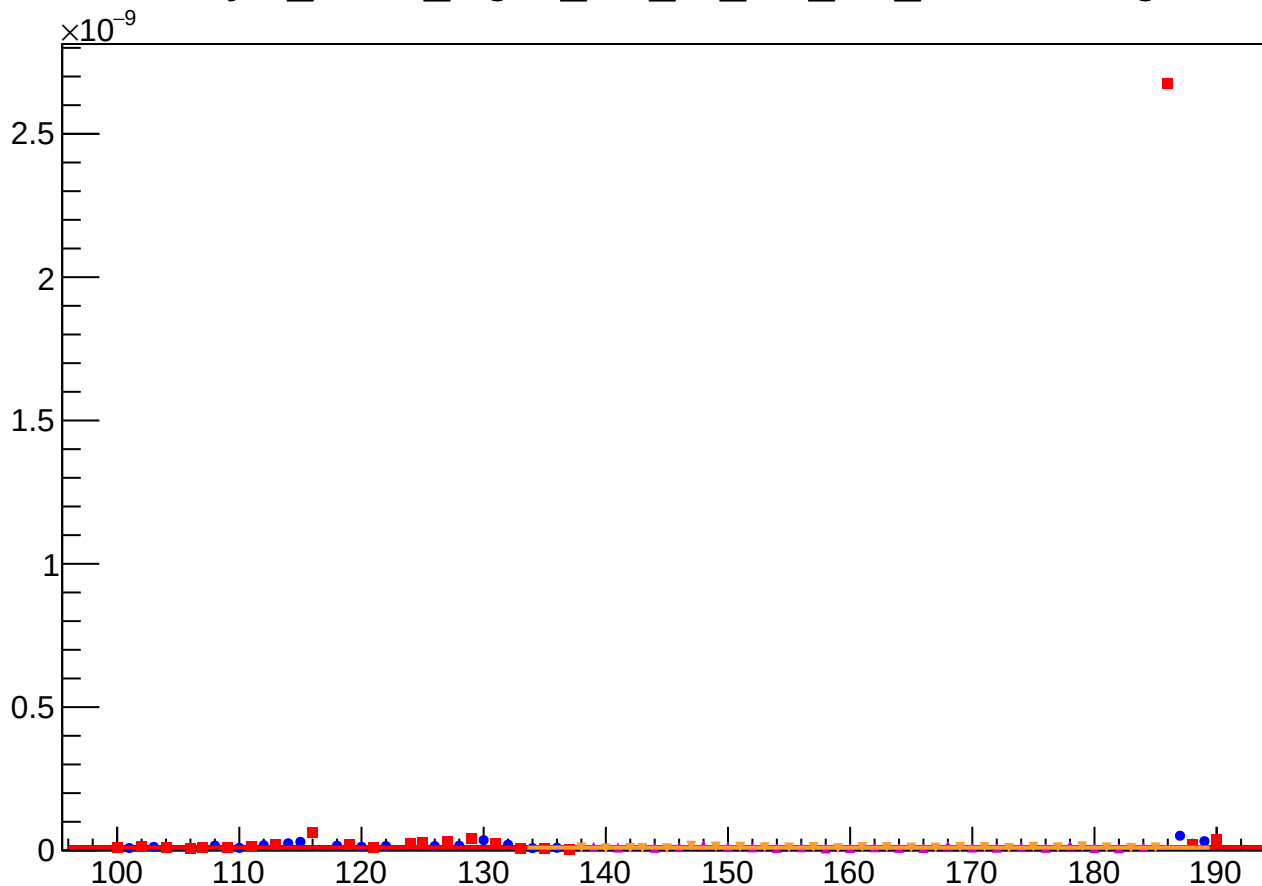
Left In: 0.000+/-0.000 χ^2/NDF : 18.1/22

+ sign -0.000+/-0.000 χ^2/NDF : 45.6/42

All: 0.000+/-0.000 χ^2/NDF : 91.7/87

- sign 0.000+/-0.000 χ^2/NDF : 45.8/44

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1538299.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3765329.5/21

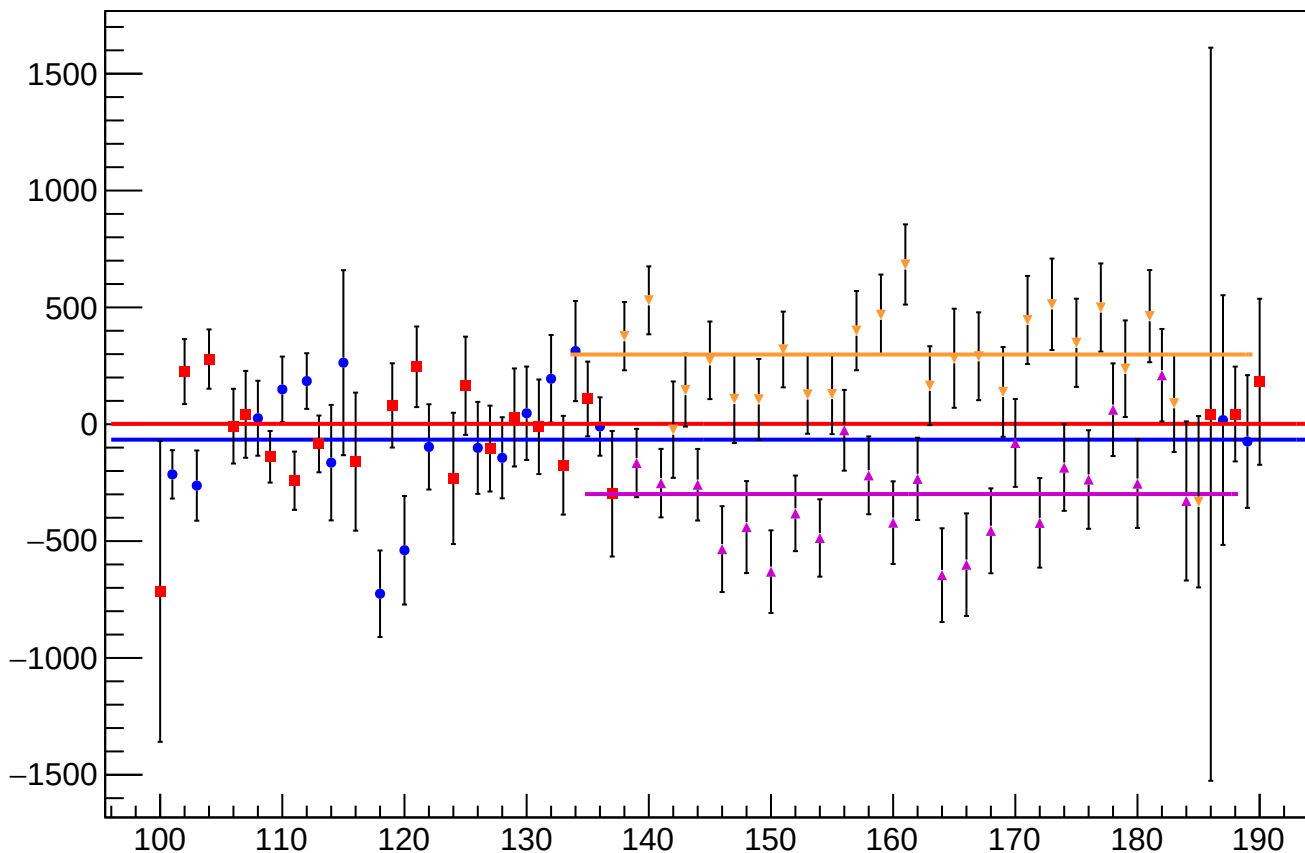
Left In: 0.000+/-0.000 χ^2/NDF : 1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 2914470.4/42

All: 0.000+/-0.000 χ^2/NDF : 7994791.9/87

- sign 0.000+/-0.000 χ^2/NDF : 5080257.3/44

reg_asym_sam6_mean vs Slug



Right In: -65.904 ± 40.402 χ^2/NDF : 34.4/17

Left Out: 298.517 ± 36.051 χ^2/NDF : 26.0/24

Right Out: 1.707 ± 37.943 χ^2/NDF : 21.4/21

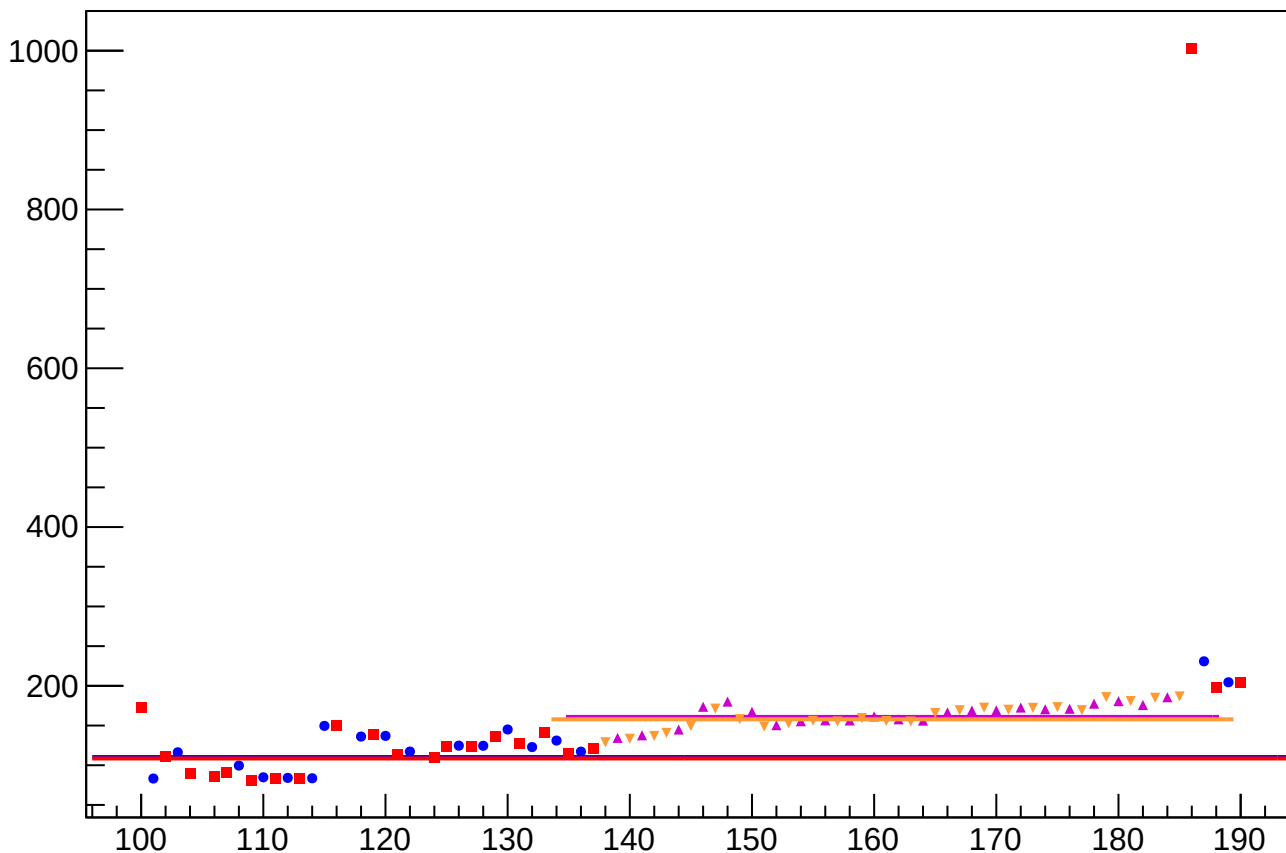
Left In: -298.675 ± 37.727 χ^2/NDF : 29.4/22

+ sign 136.982 ± 26.899 χ^2/NDF : 105.7/42

All: -6.960 ± 18.969 χ^2/NDF : 245.0/87

- sign -149.341 ± 26.753 χ^2/NDF : 82.4/44

reg_asym_sam6_rms vs Slug



Right In: 110.309 $\pm$ 0.029 χ^2 /NDF: 863246.1/17

Left Out: 157.836 $\pm$ 0.025 χ^2 /NDF: 377205.2/24

Right Out: 108.535 $\pm$ 0.027 χ^2 /NDF: 1835883.3/21

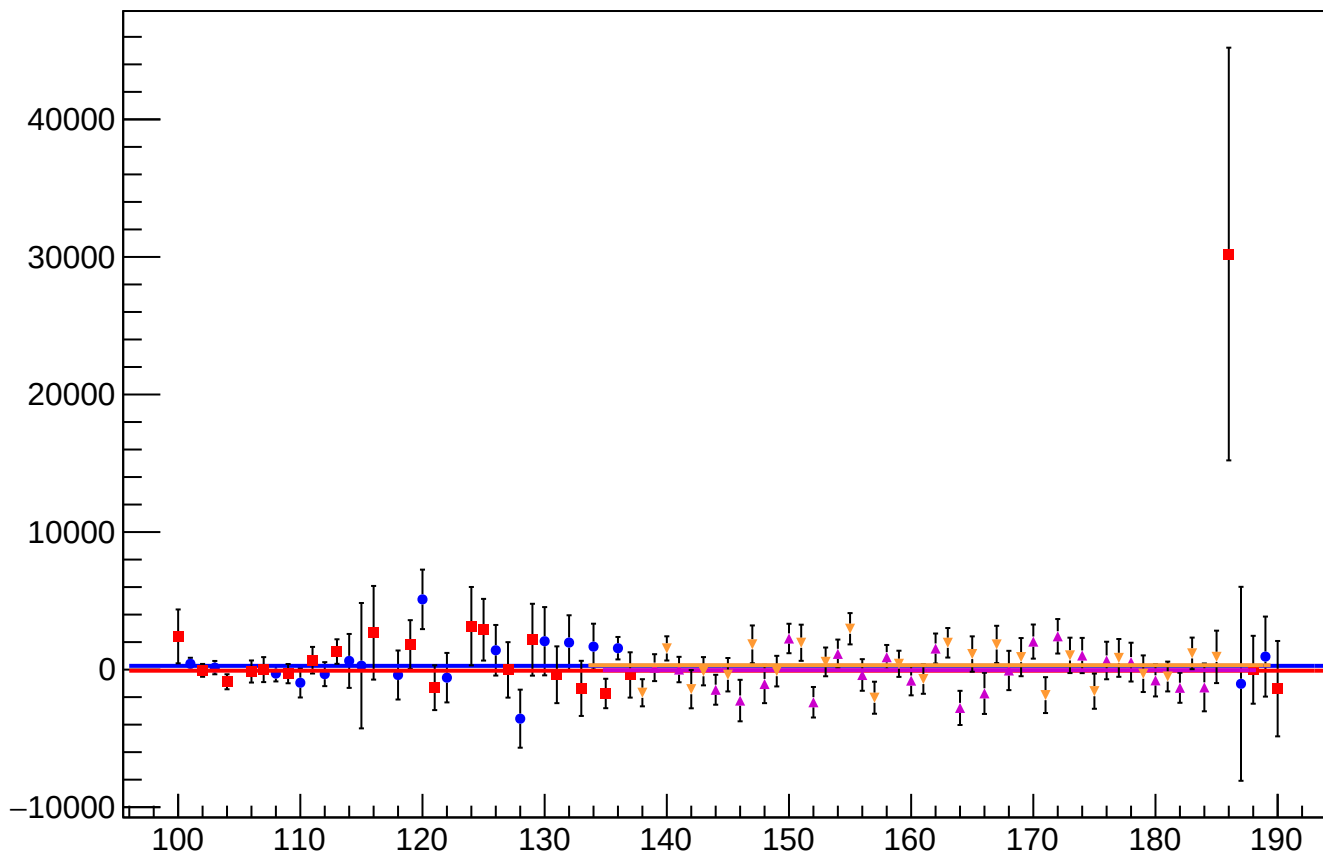
Left In: 160.874 $\pm$ 0.027 χ^2 /NDF: 268330.7/22

+ sign 136.769 $\pm$ 0.019 χ^2 /NDF: 2781245.9/42

All: 135.806 $\pm$ 0.013 χ^2 /NDF: 6804270.1/87

- sign 134.854 $\pm$ 0.019 χ^2 /NDF: 4017925.5/44

asym_sam6_reg_correction_mean vs Slug



Right In: 274.336+/-229.819 χ^2/NDF : 16.6/17

Left Out: 319.947+/-235.084 χ^2/NDF : 32.5/24

Right Out: -78.103+/-230.595 χ^2/NDF : 20.2/21

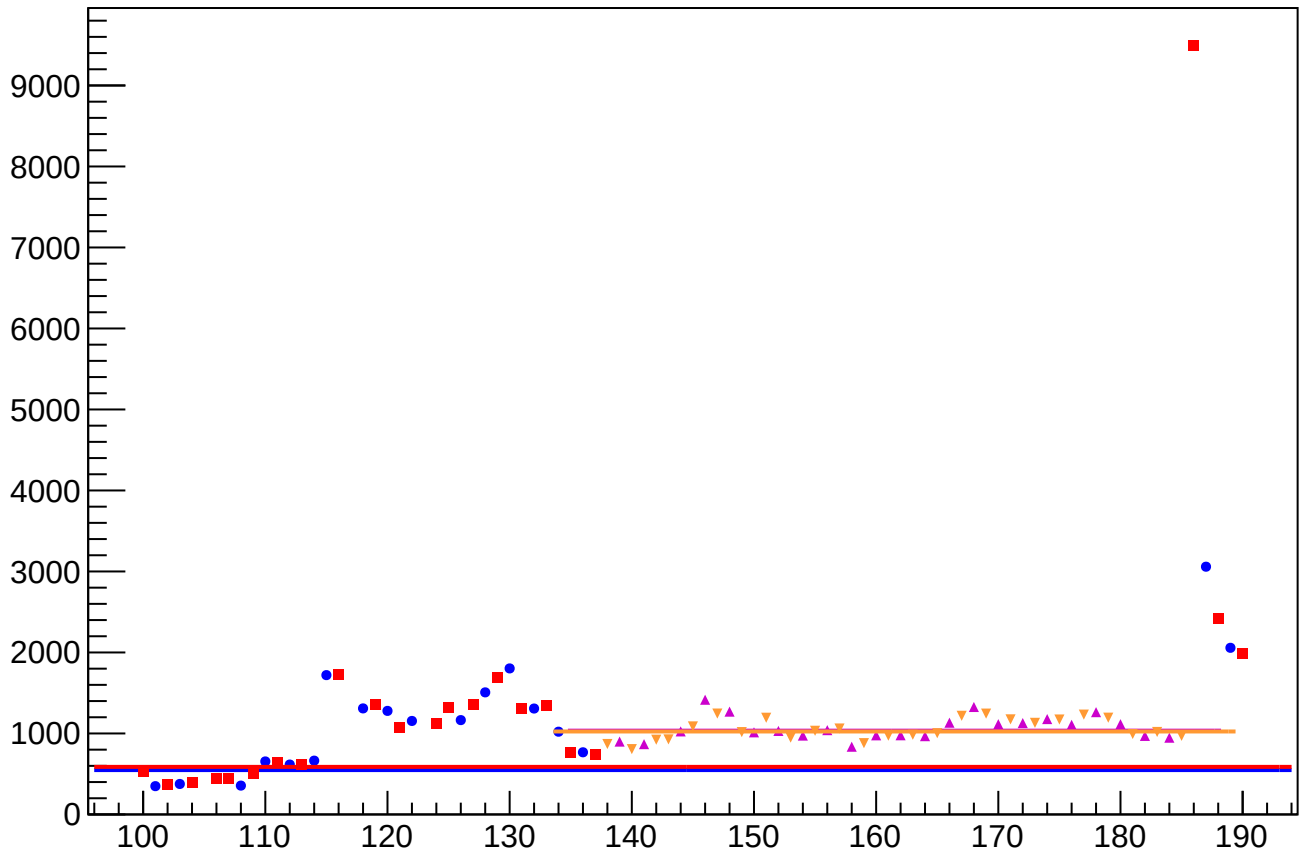
Left In: -39.197+/-244.156 χ^2/NDF : 34.8/22

+ sign 296.625+/-164.336 χ^2/NDF : 49.1/42

All: 121.983+/-117.355 χ^2/NDF : 106.4/87

- sign -59.761+/-167.645 χ^2/NDF : 55.0/44

asym_sam6_reg_correction_rms vs Slug



Right In: 547.861+/-0.163 χ^2/NDF : 4430152.1/17

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.4/24

Right Out: 587.424+/-0.163 χ^2/NDF : 5259970.8/21

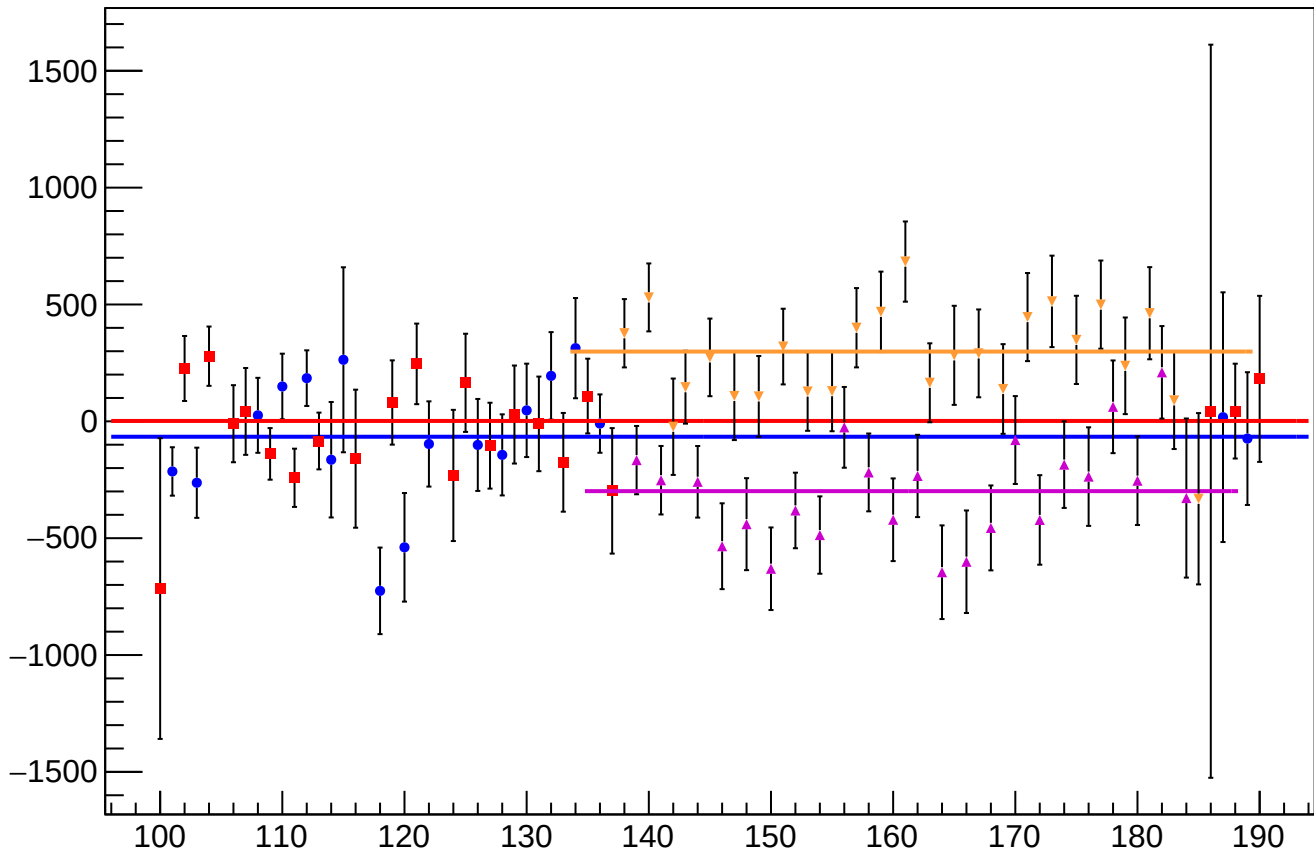
Left In: 1034.428+/-0.173 χ^2/NDF : 628477.2/22

+ sign 780.780+/-0.116 χ^2/NDF : 9231630.1/42

All: 789.300+/-0.083 χ^2/NDF : 18674257.9/87

- sign 798.167+/-0.119 χ^2/NDF : 9431655.9/44

cor_asym_sam6_mean vs Slug



Right In: -65.929 ± 40.402 χ^2/NDF : 34.4/17

Left Out: 298.518 ± 36.051 χ^2/NDF : 26.0/24

Right Out: 1.677 ± 38.008 χ^2/NDF : 21.4/21

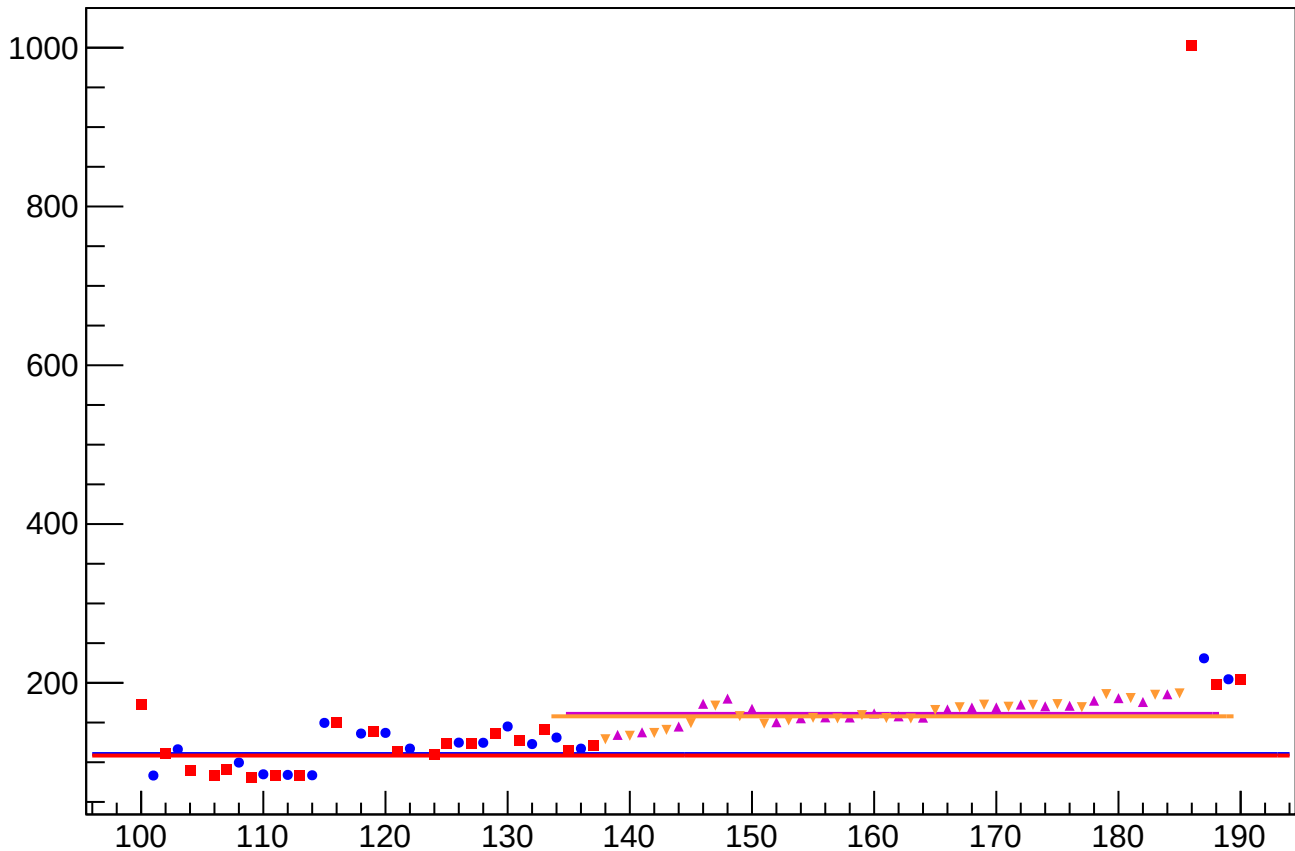
Left In: -298.682 ± 37.727 χ^2/NDF : 29.4/22

+ sign 136.972 ± 26.899 χ^2/NDF : 105.7/42

All: -6.982 ± 18.977 χ^2/NDF : 245.1/87

- sign -149.618 ± 26.776 χ^2/NDF : 82.3/44

cor_asym_sam6_rms vs Slug



Right In: 110.309 $\pm$ 0.029 χ^2 /NDF: 863246.9/17

Left Out: 157.836 $\pm$ 0.025 χ^2 /NDF: 377205.2/24

Right Out: 108.445 $\pm$ 0.027 χ^2 /NDF: 1844649.2/21

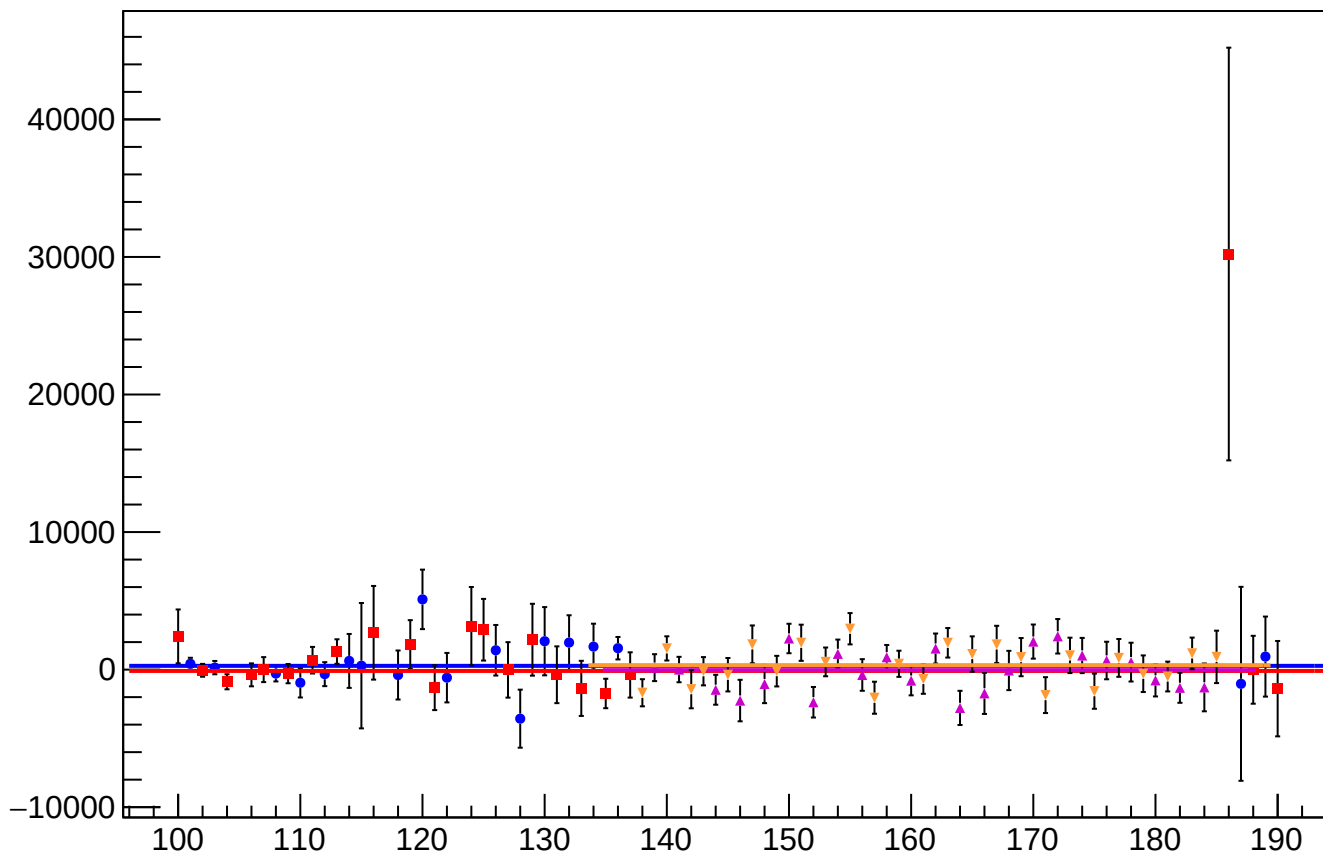
Left In: 160.874 $\pm$ 0.027 χ^2 /NDF: 268330.7/22

+ sign 136.769 $\pm$ 0.019 χ^2 /NDF: 2781242.7/42

All: 135.807 $\pm$ 0.013 χ^2 /NDF: 6816266.5/87

- sign 134.854 $\pm$ 0.019 χ^2 /NDF: 4029931.7/44

asym_sam6_cor_correction_mean vs Slug



Right In: 274.475 $\pm$ 229.812 χ^2 /NDF: 16.6/17

Left Out: 319.953 $\pm$ 235.084 χ^2 /NDF: 32.5/24

Right Out: -95.606 $\pm$ 231.209 χ^2 /NDF: 20.4/21

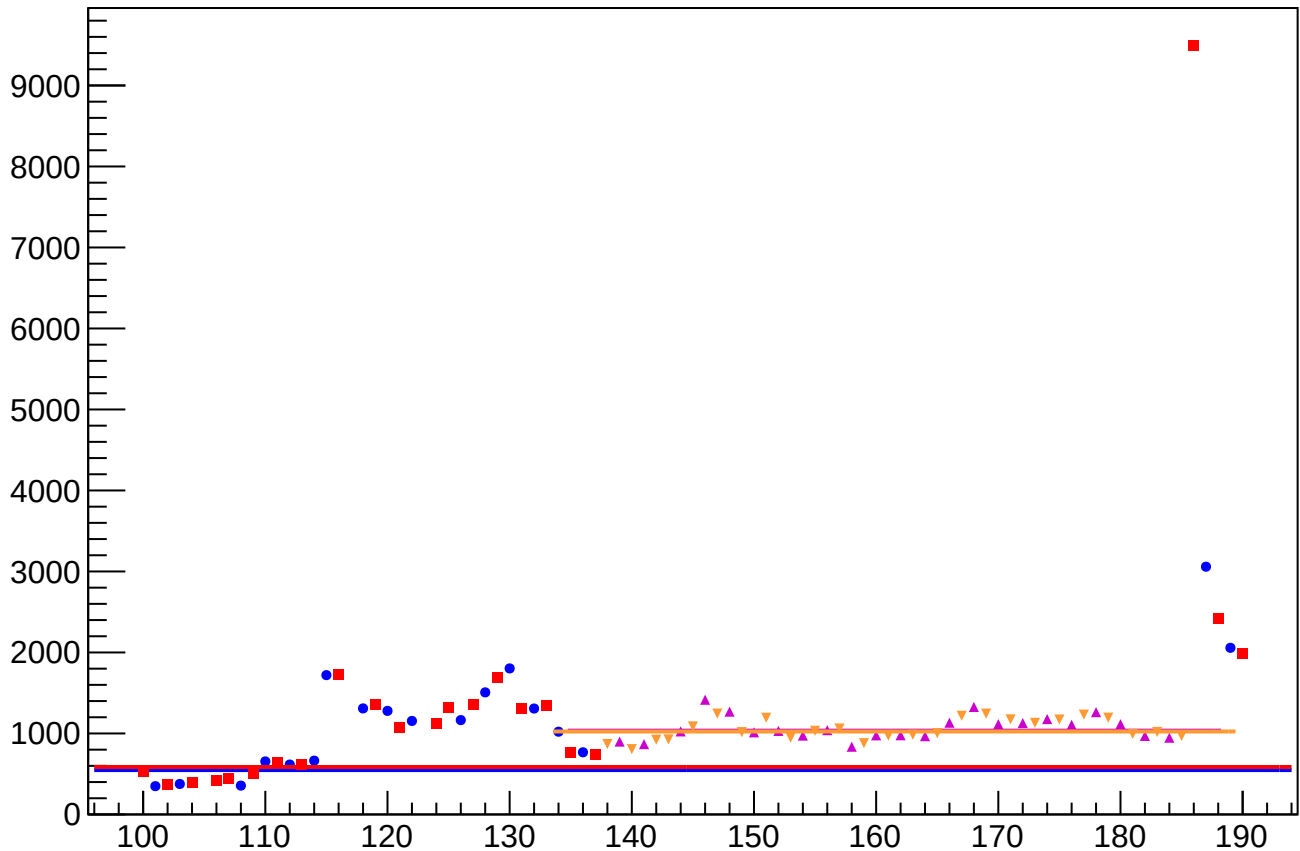
Left In: -39.198 $\pm$ 244.156 χ^2 /NDF: 34.8/22

+ sign 296.698 $\pm$ 164.334 χ^2 /NDF: 49.1/42

All: 117.783 $\pm$ 117.435 χ^2 /NDF: 106.7/87

- sign -68.937 $\pm$ 167.880 χ^2 /NDF: 55.2/44

asym_sam6_cor_correction_rms vs Slug



Right In: 547.839 $\pm$ 0.163 χ^2 /NDF: 4430372.4/17

Left Out: 1024.493 $\pm$ 0.166 χ^2 /NDF: 597629.0/24

Right Out: 586.001 $\pm$ 0.163 χ^2 /NDF: 5282453.2/21

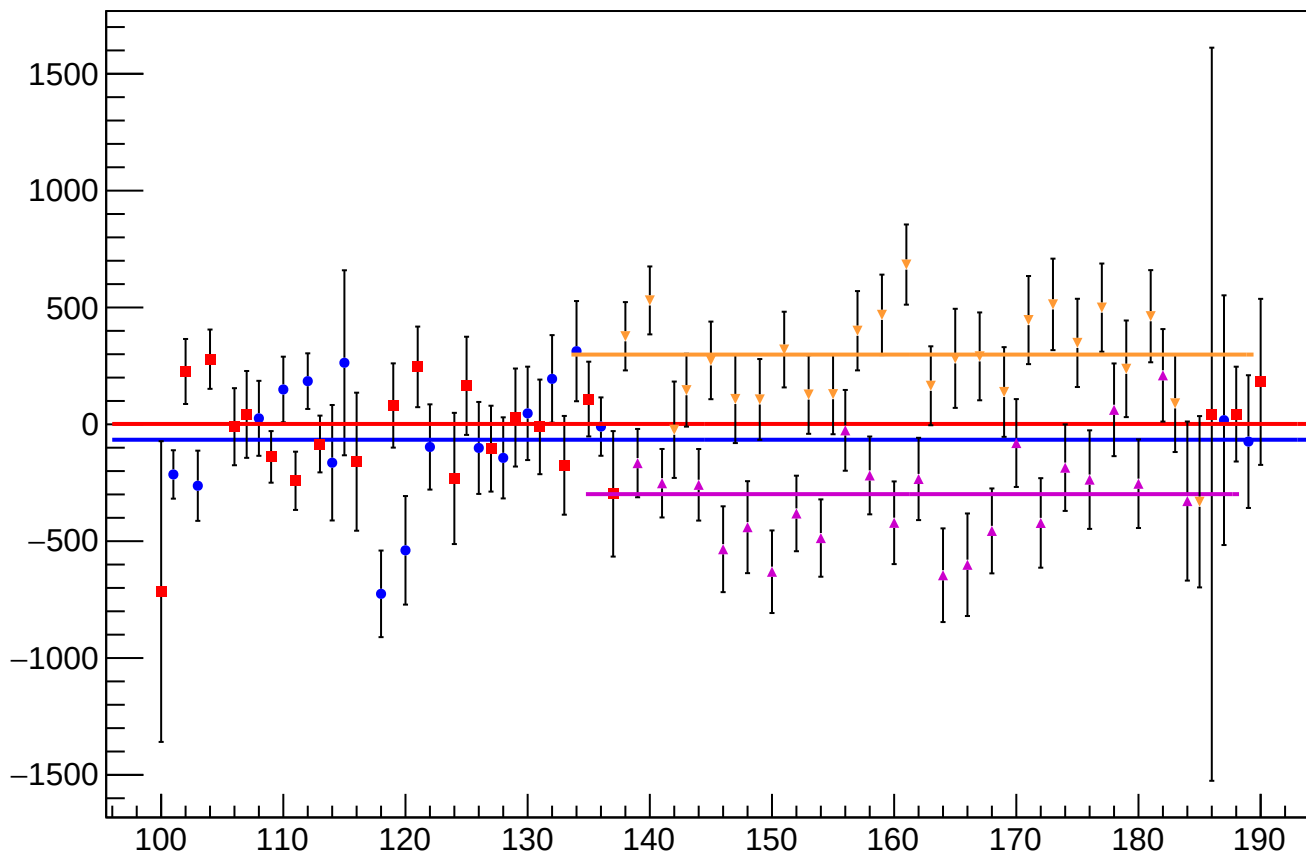
Left In: 1034.428 $\pm$ 0.173 χ^2 /NDF: 628474.5/22

+ sign 780.761 $\pm$ 0.116 χ^2 /NDF: 9232370.6/42

All: 789.201 $\pm$ 0.083 χ^2 /NDF: 18710941.2/87

- sign 798.010 $\pm$ 0.119 χ^2 /NDF: 9467788.7/44

eigen_cor_asym_sam6_mean vs Slug



Right In: -65.929 ± 40.402 χ^2/NDF : 34.4/17

Left Out: 298.518 ± 36.051 χ^2/NDF : 26.0/24

Right Out: 1.677 ± 38.008 χ^2/NDF : 21.4/21

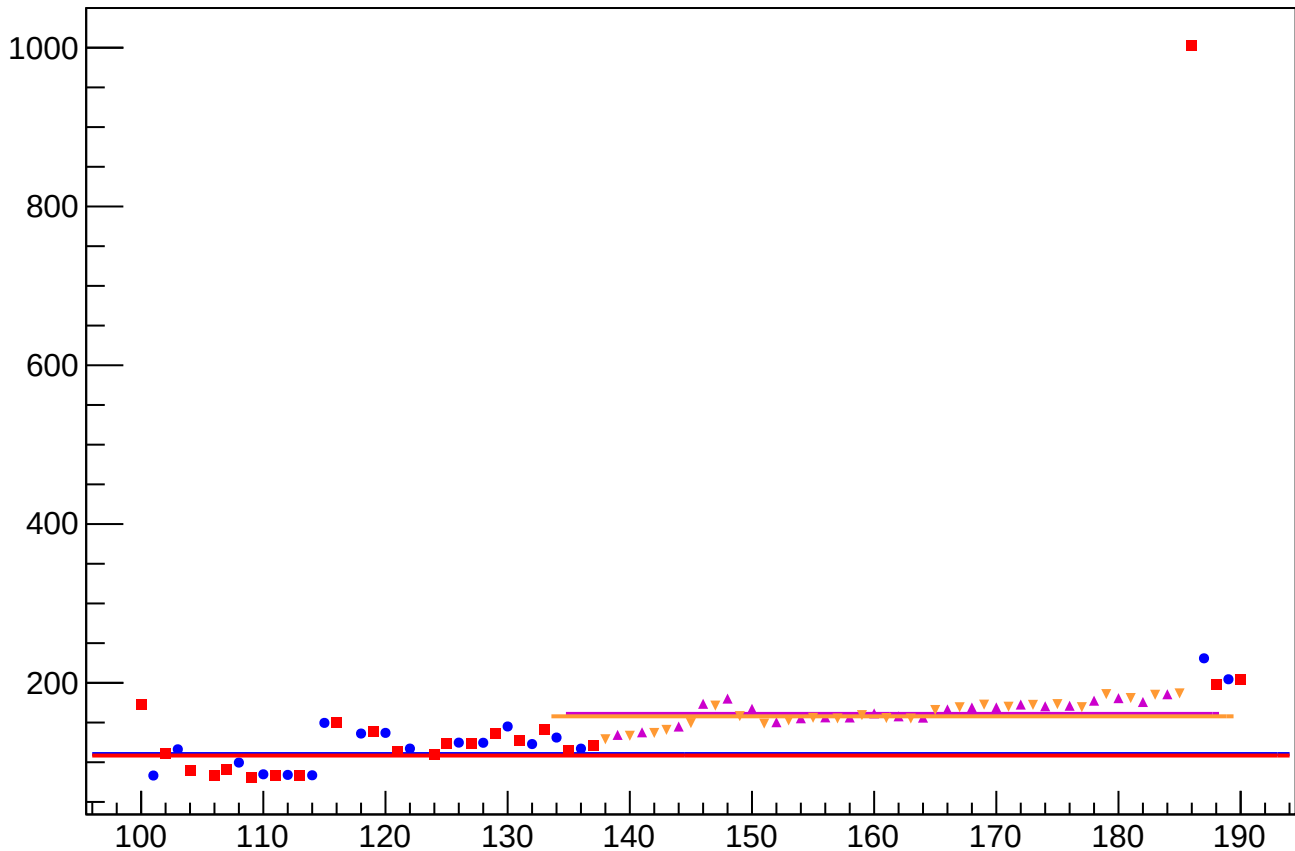
Left In: -298.682 ± 37.727 χ^2/NDF : 29.4/22

+ sign 136.972 ± 26.899 χ^2/NDF : 105.7/42

All: -6.982 ± 18.977 χ^2/NDF : 245.1/87

- sign -149.618 ± 26.776 χ^2/NDF : 82.3/44

eigen_cor_asym_sam6_rms vs Slug



Right In: 110.309 $\pm$ 0.029 χ^2 /NDF: 863246.9/17

Left Out: 157.836 $\pm$ 0.025 χ^2 /NDF: 377205.2/24

Right Out: 108.445 $\pm$ 0.027 χ^2 /NDF: 1844649.2/21

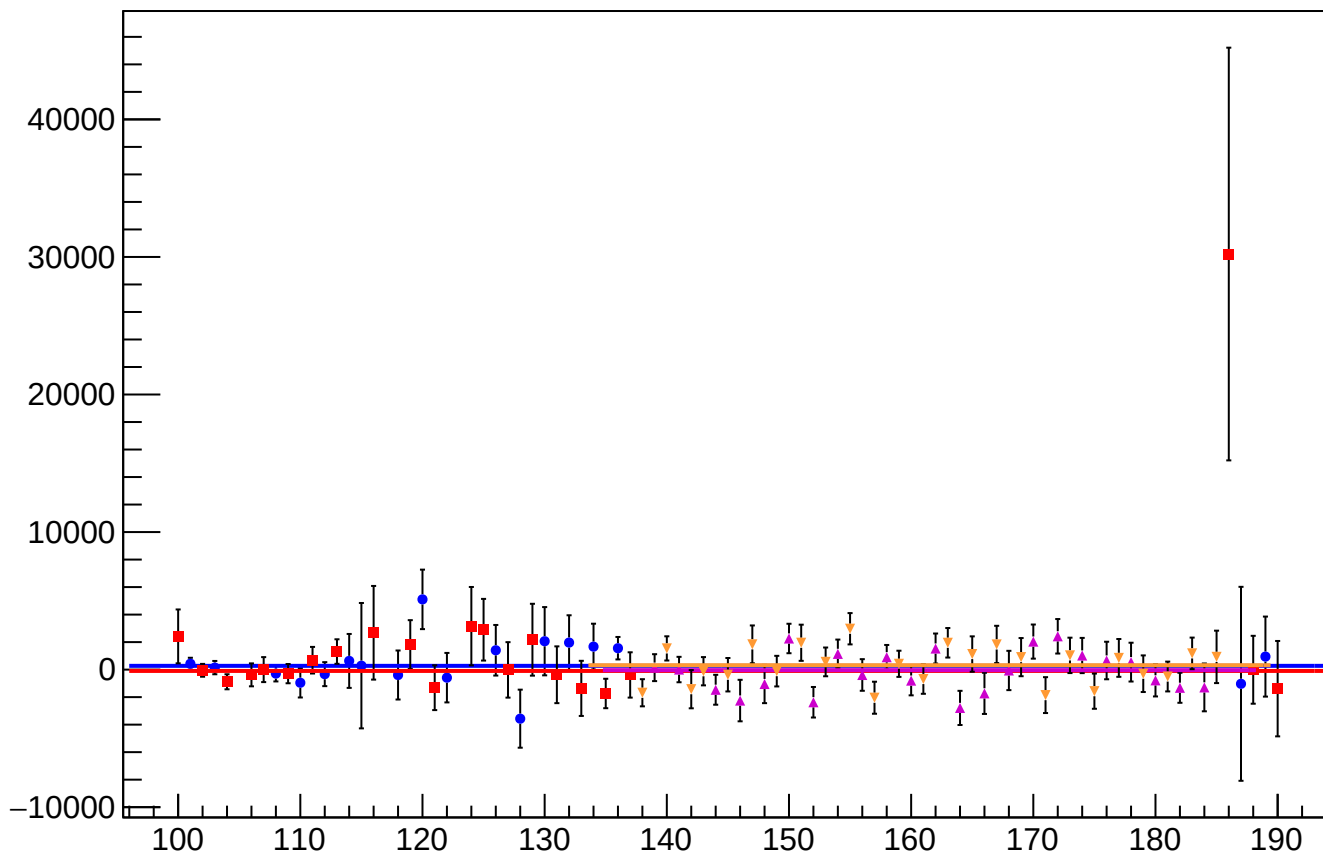
Left In: 160.874 $\pm$ 0.027 χ^2 /NDF: 268330.7/22

+ sign 136.769 $\pm$ 0.019 χ^2 /NDF: 2781242.7/42

All: 135.807 $\pm$ 0.013 χ^2 /NDF: 6816266.5/87

- sign 134.854 $\pm$ 0.019 χ^2 /NDF: 4029931.7/44

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 274.475 $\pm$ 229.812 χ^2 /NDF: 16.6/17

Left Out: 319.953 $\pm$ 235.084 χ^2 /NDF:32.5/24

Right Out: -95.606 $\pm$ 231.209 χ^2 /NDF: 20.4/21

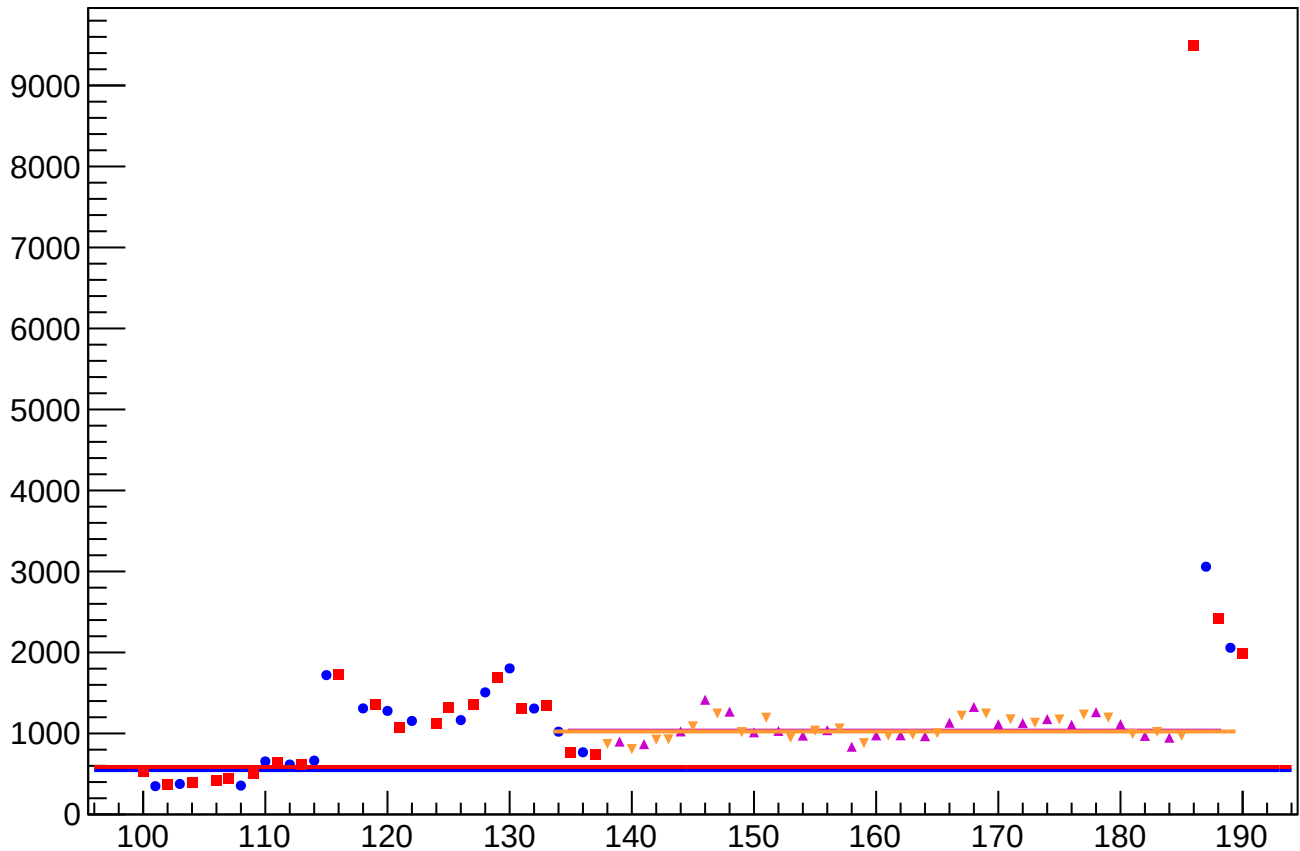
Left In: -39.198 $\pm$ 244.156 χ^2 /NDF:34.8/22

+ sign 296.698 $\pm$ 164.334 χ^2 /NDF: 49.1/42

All: 117.783 $\pm$ 117.435 χ^2 /NDF: 106.7/87

- sign -68.937 $\pm$ 167.880 χ^2 /NDF: 55.2/44

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 547.839+/-0.163 χ^2/NDF : 4430372.4/17

Left Out: 1024.493+/-0.166 χ^2/NDF : 597629.0/24

Right Out: 586.001+/-0.163 χ^2/NDF : 5282453.2/21

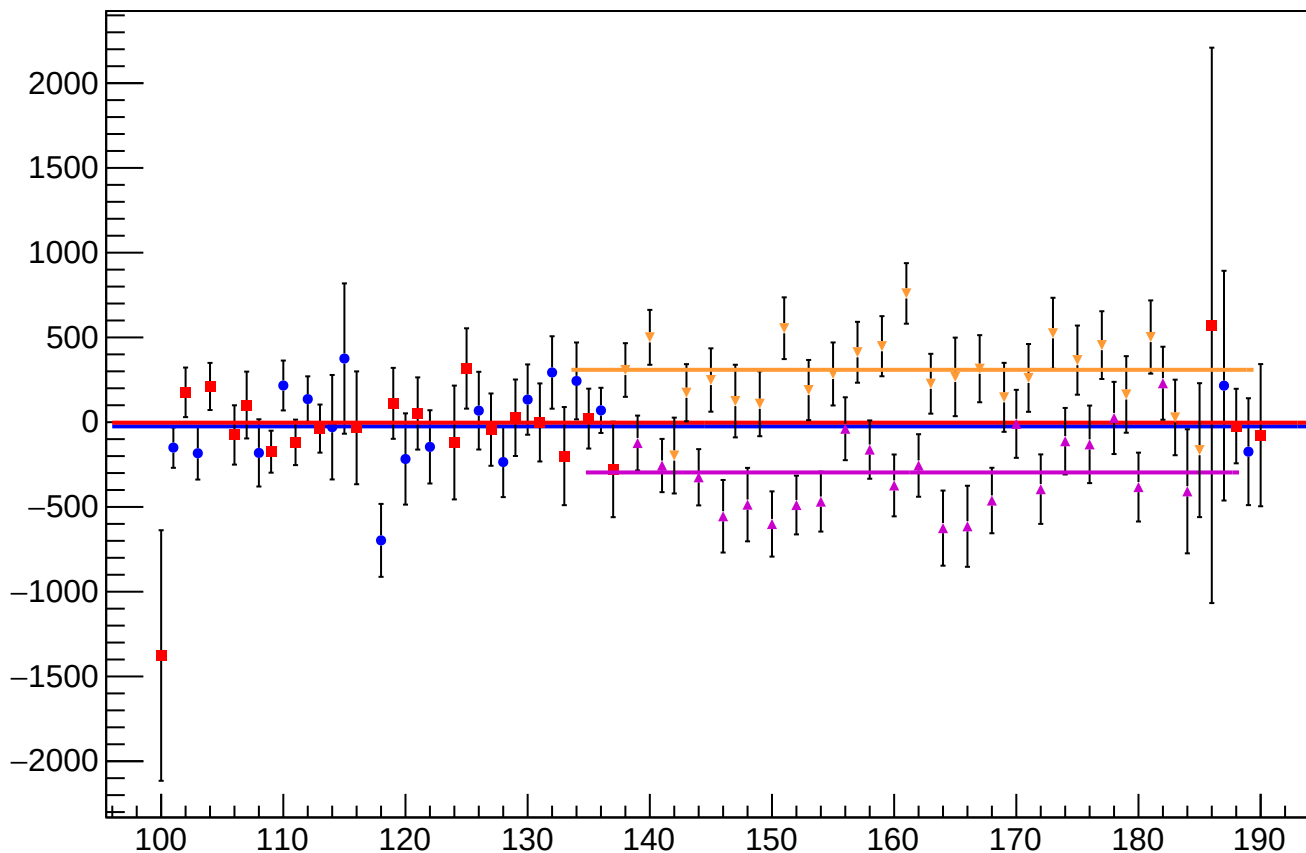
Left In: 1034.428+/-0.173 χ^2/NDF : 628474.5/22

+ sign 780.761+/-0.116 χ^2/NDF : 9232370.6/42

All: 789.201+/-0.083 χ^2/NDF : 18710941.2/87

- sign 798.010+/-0.119 χ^2/NDF : 9467788.7/44

dit_asym_sam6_mean vs Slug



Right In: -24.740 ± 45.327 χ^2/NDF : 24.5/17

Left Out: 309.031 ± 38.901 χ^2/NDF : 25.6/24

Right Out: -2.778 ± 42.498 χ^2/NDF : 14.5/21

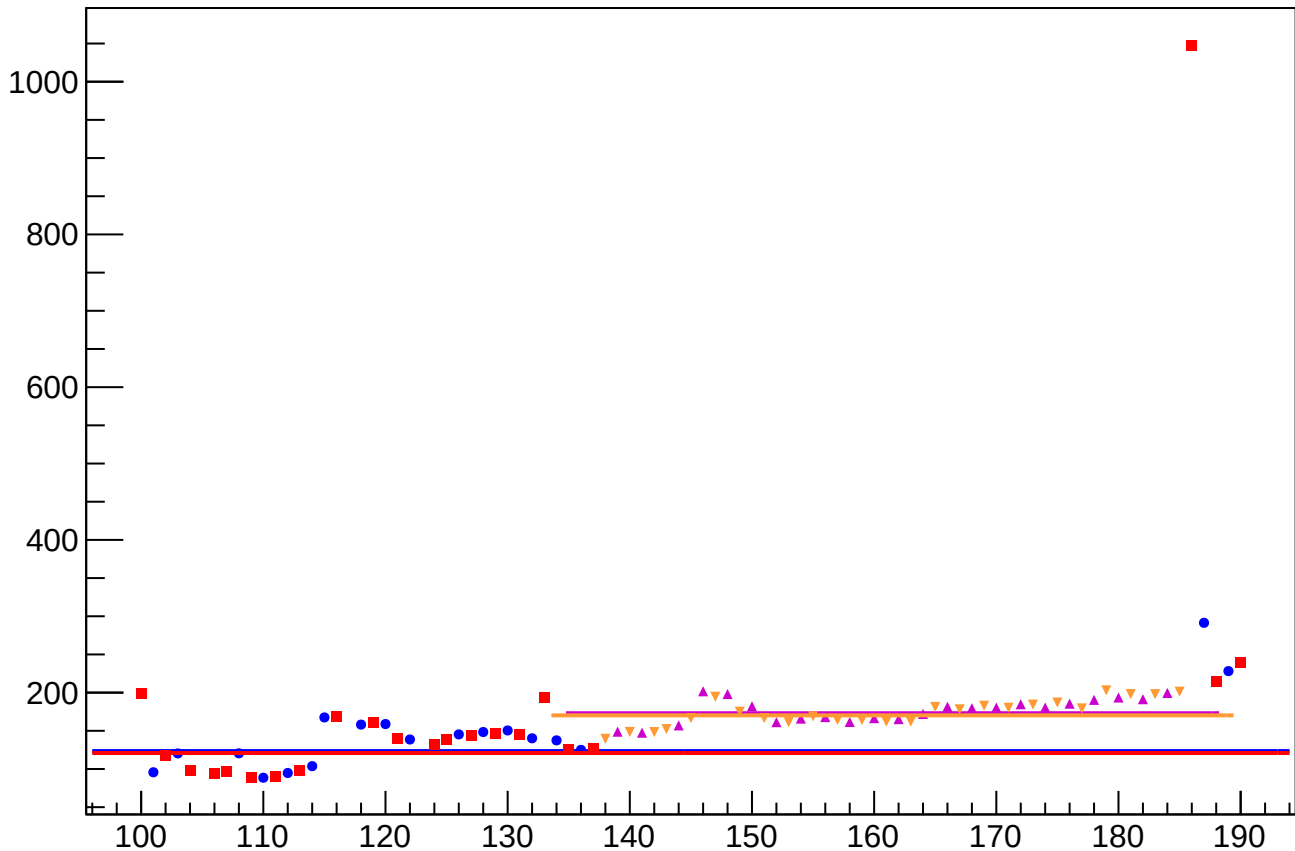
Left In: -296.497 ± 40.607 χ^2/NDF : 27.8/22

+ sign 167.465 ± 29.520 χ^2/NDF : 81.3/42

All: 4.689 ± 20.817 χ^2/NDF : 209.0/87

- sign -156.318 ± 29.359 χ^2/NDF : 67.3/44

dit_asym_sam6_rms vs Slug



Right In: 123.450+/-0.032 χ^2/NDF : 882385.0/17

Left Out: 170.240+/-0.028 χ^2/NDF : 366302.5/24

Right Out: 120.971+/-0.030 χ^2/NDF : 1963296.5/21

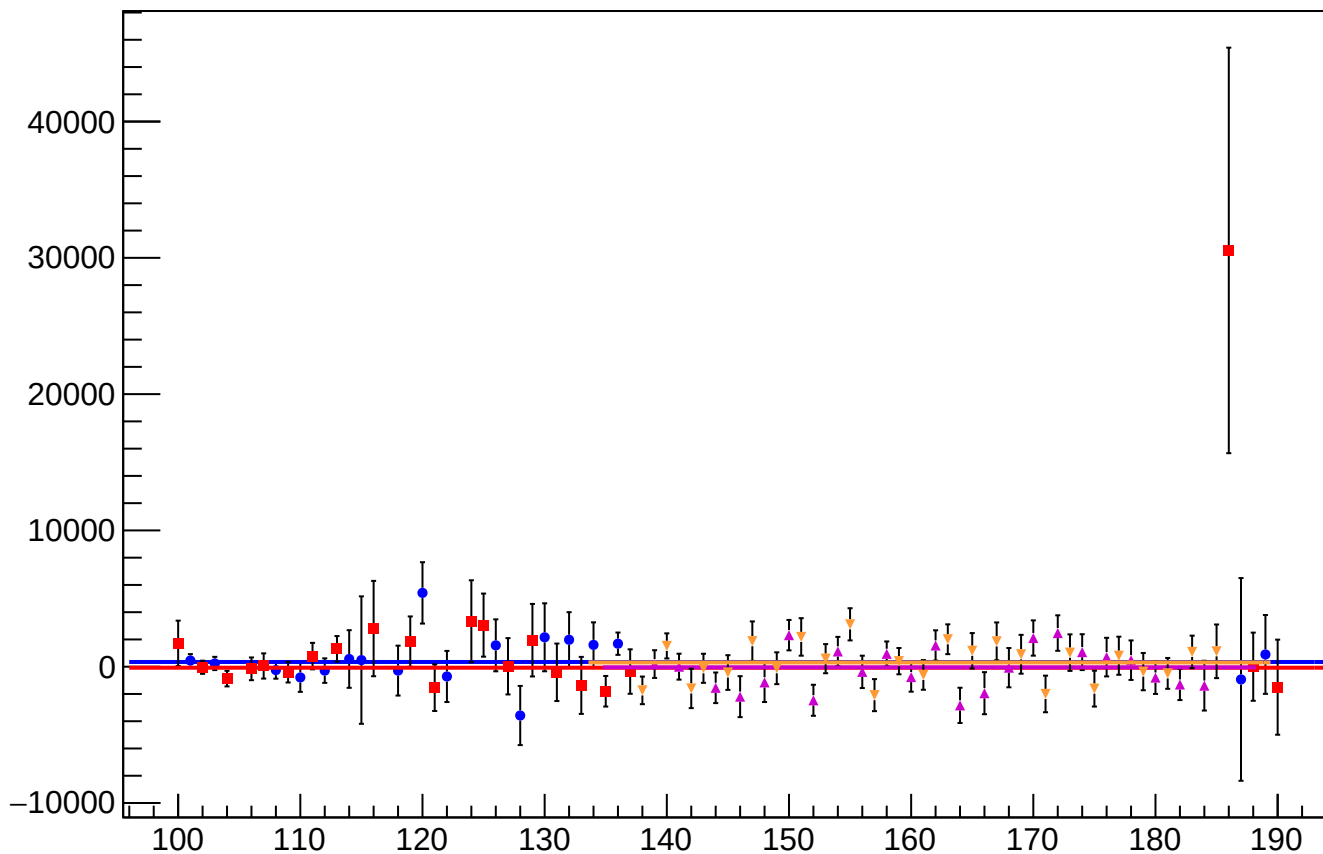
Left In: 173.024+/-0.029 χ^2/NDF : 293702.8/22

+ sign 150.395+/-0.021 χ^2/NDF : 2475953.8/42

All: 149.282+/-0.015 χ^2/NDF : 6307056.3/87

- sign 148.181+/-0.021 χ^2/NDF : 3825450.1/44

asym_sam6_dit_correction_mean vs Slug



Right In: 346.946 ± 240.568 χ^2/NDF : 16.3/17

Left Out: 313.641 ± 242.402 χ^2/NDF : 32.9/24

Right Out: -73.536 ± 238.783 χ^2/NDF : 19.7/21

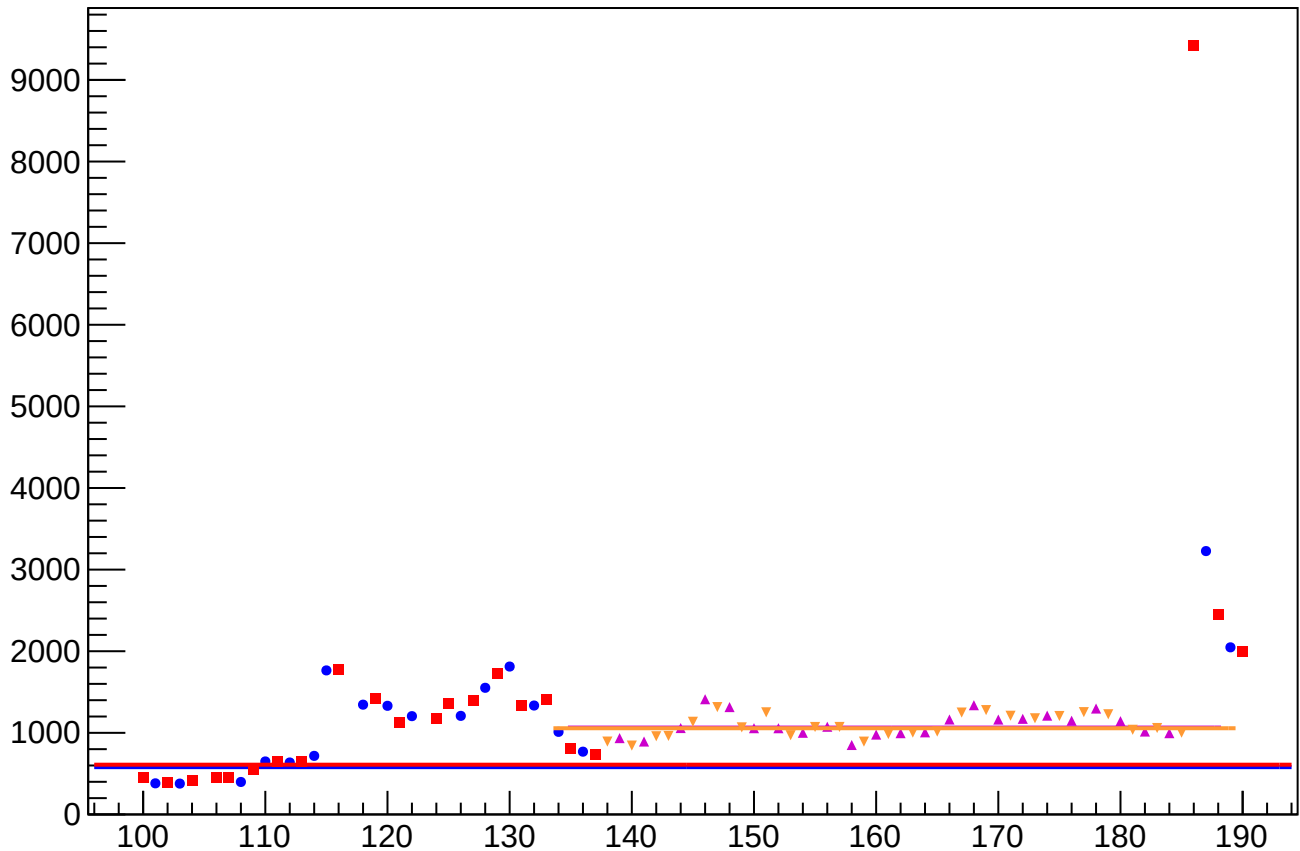
Left In: -47.231 ± 251.252 χ^2/NDF : 34.4/22

+ sign 330.420 ± 170.752 χ^2/NDF : 49.2/42

All: 137.340 ± 121.556 χ^2/NDF : 105.9/87

- sign -61.053 ± 173.085 χ^2/NDF : 54.1/44

asym_sam6_dit_correction_rms vs Slug



Right In: 579.637+/-0.170 χ^2/NDF : 4207089.2/17

Left Out: 1056.328+/-0.171 χ^2/NDF : 610710.4/24

Right Out: 609.690+/-0.169 χ^2/NDF : 5228462.0/21

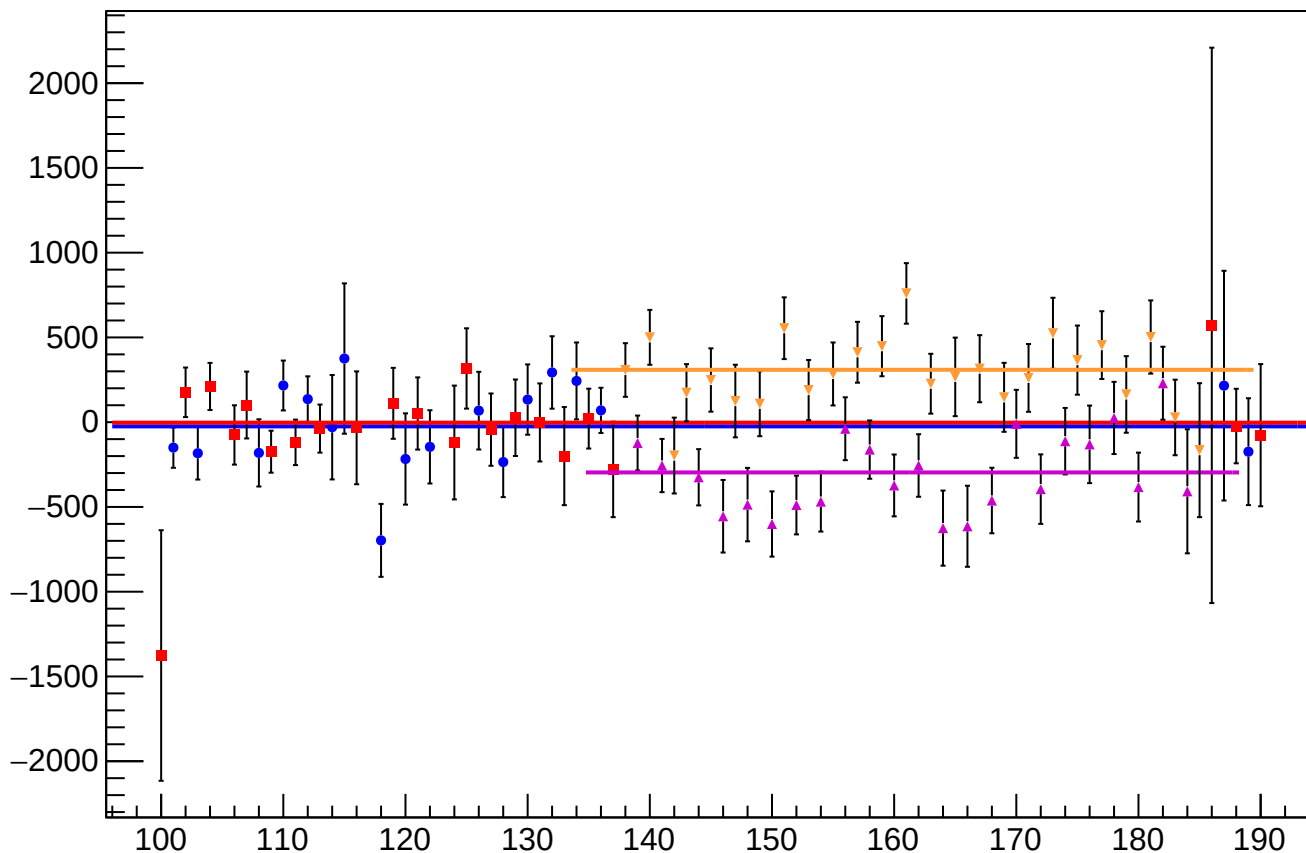
Left In: 1064.691+/-0.178 χ^2/NDF : 611055.8/22

+ sign 816.172+/-0.121 χ^2/NDF : 8714426.0/42

All: 820.832+/-0.086 χ^2/NDF : 18003241.0/87

- sign 825.621+/-0.122 χ^2/NDF : 9285794.3/44

eigen_dit_asym_sam6_mean vs Slug



Right In: -24.742 ± 45.327 χ^2/NDF : 24.5/17

Left Out: 309.032 ± 38.901 χ^2/NDF : 25.6/24

Right Out: -2.779 ± 42.498 χ^2/NDF : 14.5/21

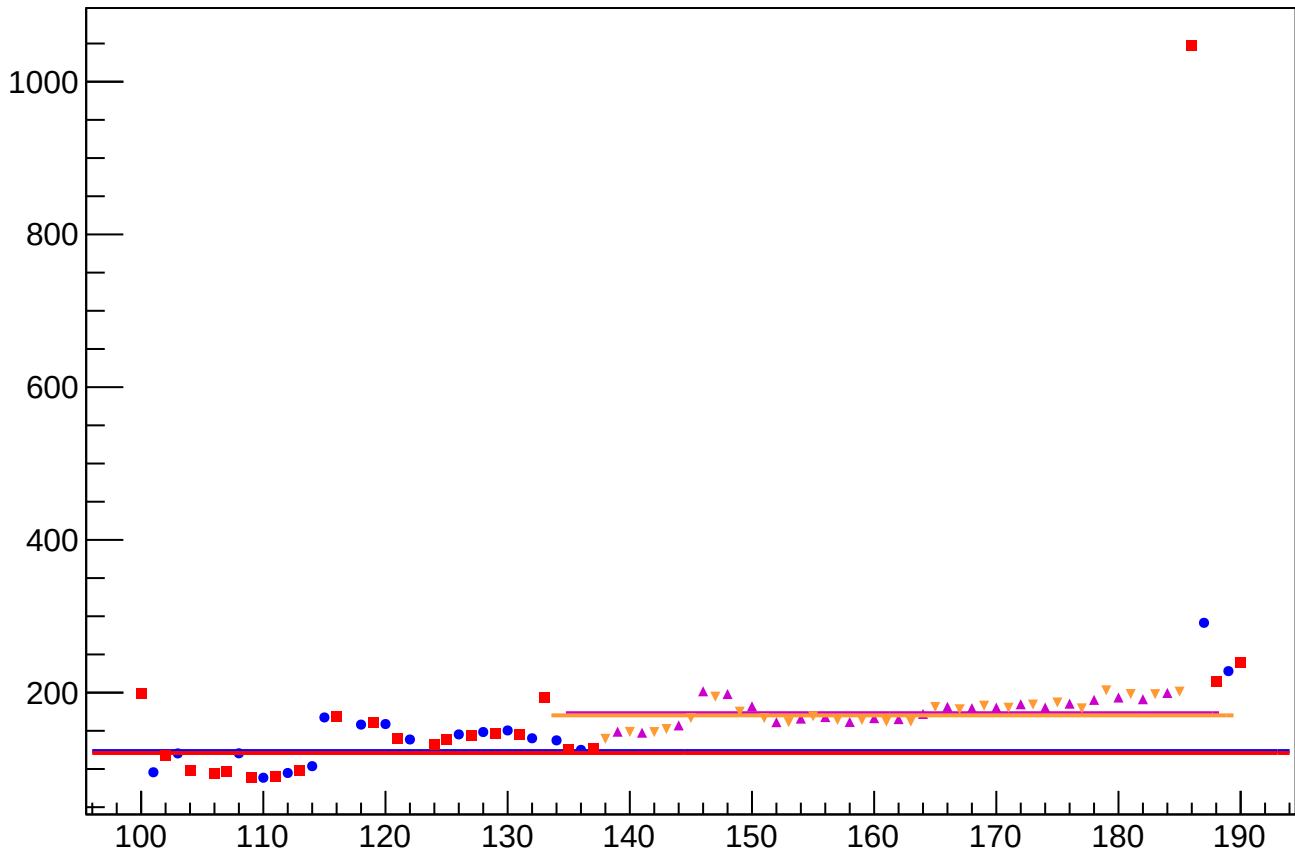
Left In: -296.497 ± 40.607 χ^2/NDF : 27.8/22

+ sign 167.465 ± 29.520 χ^2/NDF : 81.3/42

All: 4.689 ± 20.817 χ^2/NDF : 209.0/87

- sign -156.319 ± 29.359 χ^2/NDF : 67.3/44

eigen_dit_asym_sam6_rms vs Slug



Right In: 123.450+/-0.032 χ^2/NDF : 882388.6/17

Left Out: 170.240+/-0.028 χ^2/NDF : 366303.1/24

Right Out: 120.971+/-0.030 χ^2/NDF : 1963292.1/21

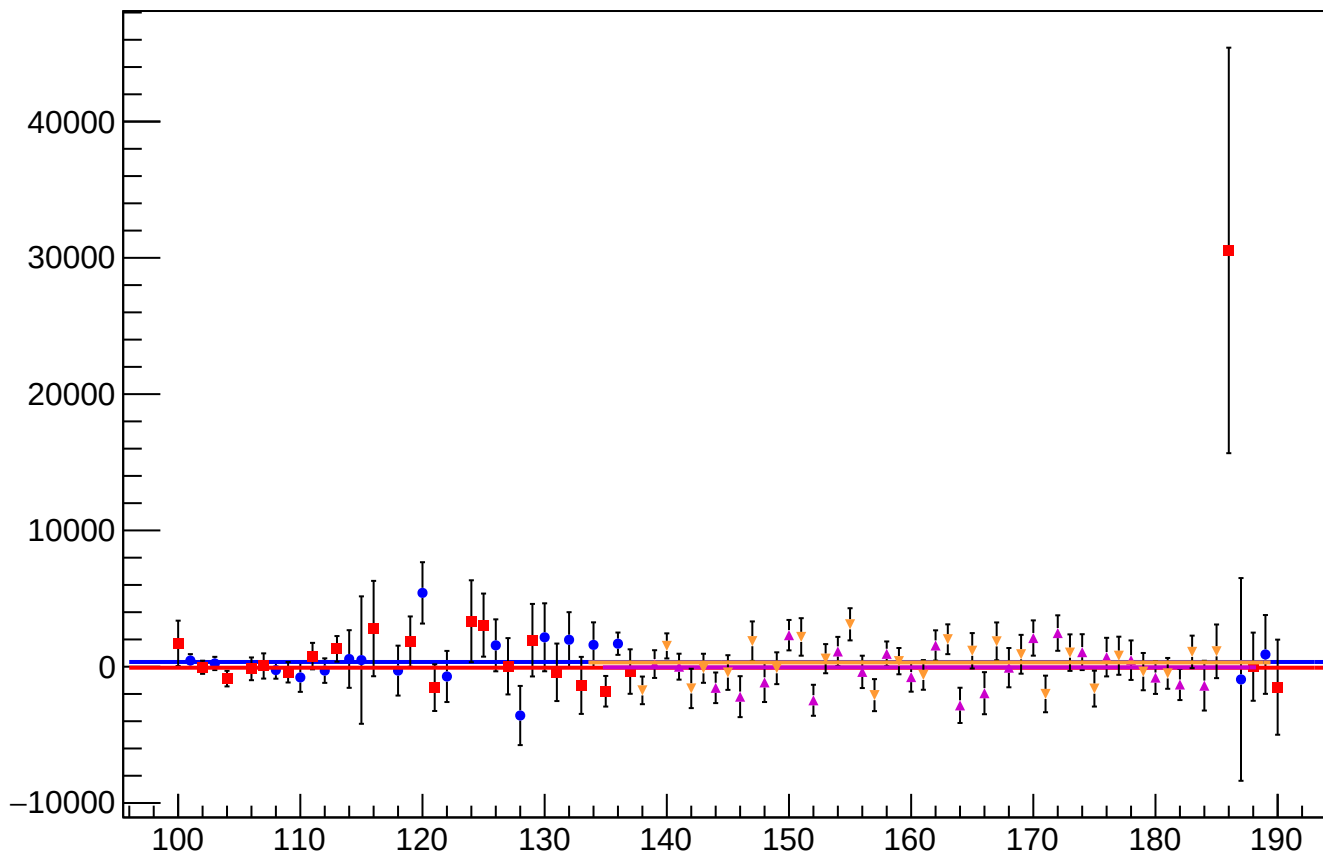
Left In: 173.023+/-0.029 χ^2/NDF : 293703.4/22

+ sign 150.394+/-0.021 χ^2/NDF : 2475965.9/42

All: 149.282+/-0.015 χ^2/NDF : 6307070.8/87

- sign 148.181+/-0.021 χ^2/NDF : 3825452.7/44

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 346.945 ± 240.567 χ^2/NDF : 16.3/17

Left Out: 313.641 ± 242.402 χ^2/NDF : 32.9/24

Right Out: -73.538 ± 238.782 χ^2/NDF : 19.7/21

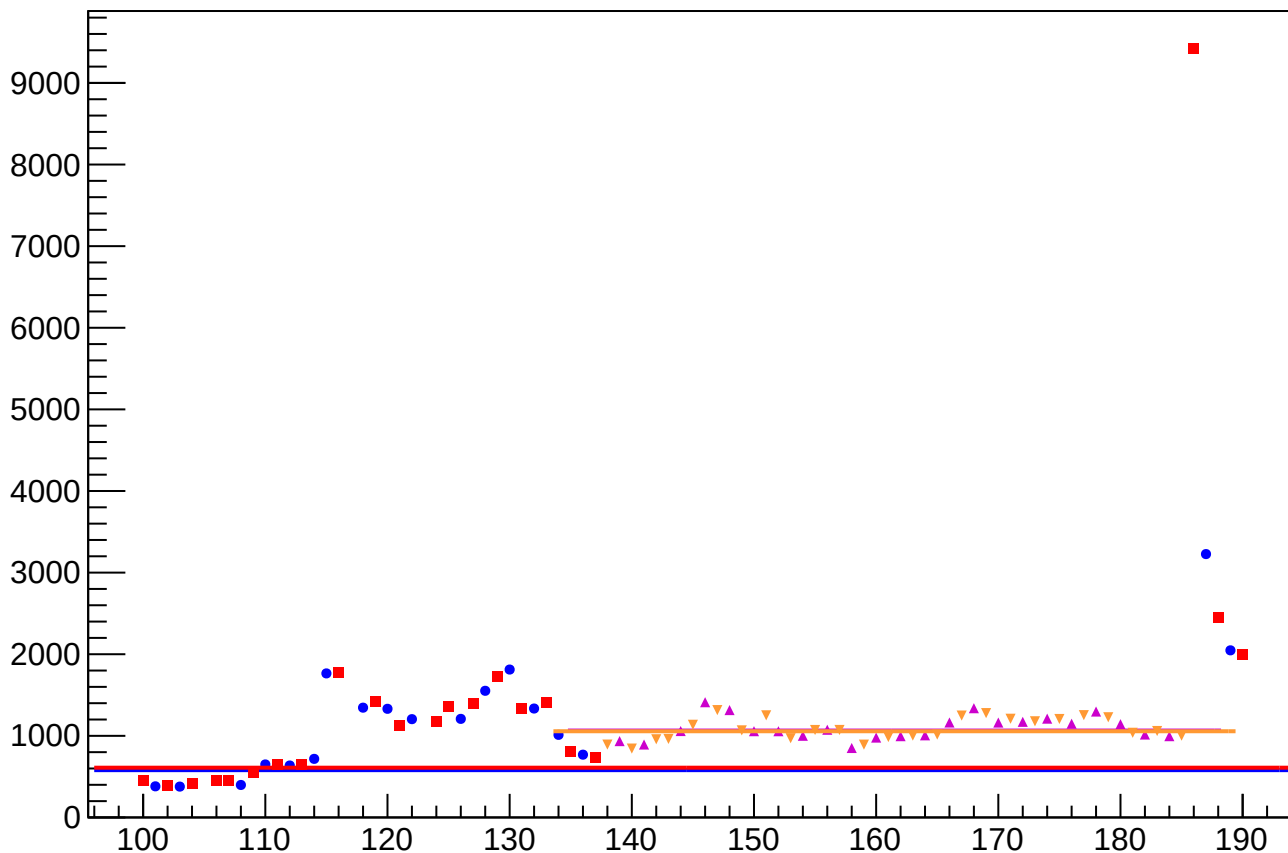
Left In: -47.231 ± 251.252 χ^2/NDF : 34.4/22

+ sign 330.420 ± 170.752 χ^2/NDF : 49.2/42

All: 137.340 ± 121.556 χ^2/NDF : 105.9/87

- sign -61.053 ± 173.085 χ^2/NDF : 54.1/44

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 579.636 $\pm$ 0.170 χ^2 /NDF: 4207093.7/17

Left Out: 1056.328 $\pm$ 0.171 χ^2 /NDF:610715.5/24

Right Out: 609.690 $\pm$ 0.169 χ^2 /NDF: 5228462.2/21

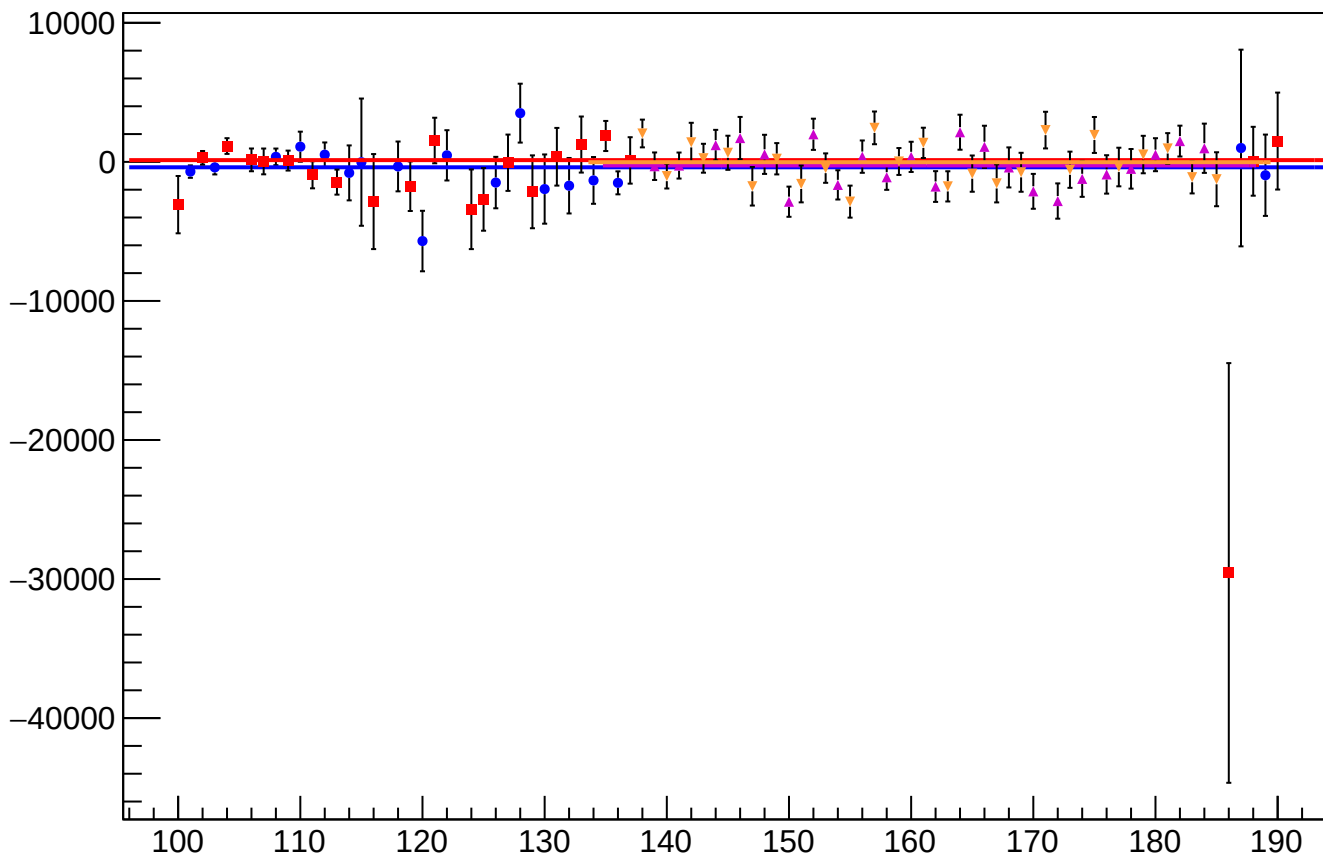
Left In: 1064.691 $\pm$ 0.178 χ^2 /NDF:611059.3/22

+ sign 816.171 $\pm$ 0.121 χ^2 /NDF: 8714454.6/42

All: 820.832 $\pm$ 0.086 χ^2 /NDF: 18003283.7/87

- sign 825.620 $\pm$ 0.122 χ^2 /NDF: 9285808.3/44

asym_sam6_mean vs Slug



Right In: -388.731 ± 236.612 χ^2/NDF : 18.0/17

Left Out: -21.861 ± 237.972 χ^2/NDF : 34.5/24

Right Out: 126.830 ± 236.570 χ^2/NDF : 23.4/21

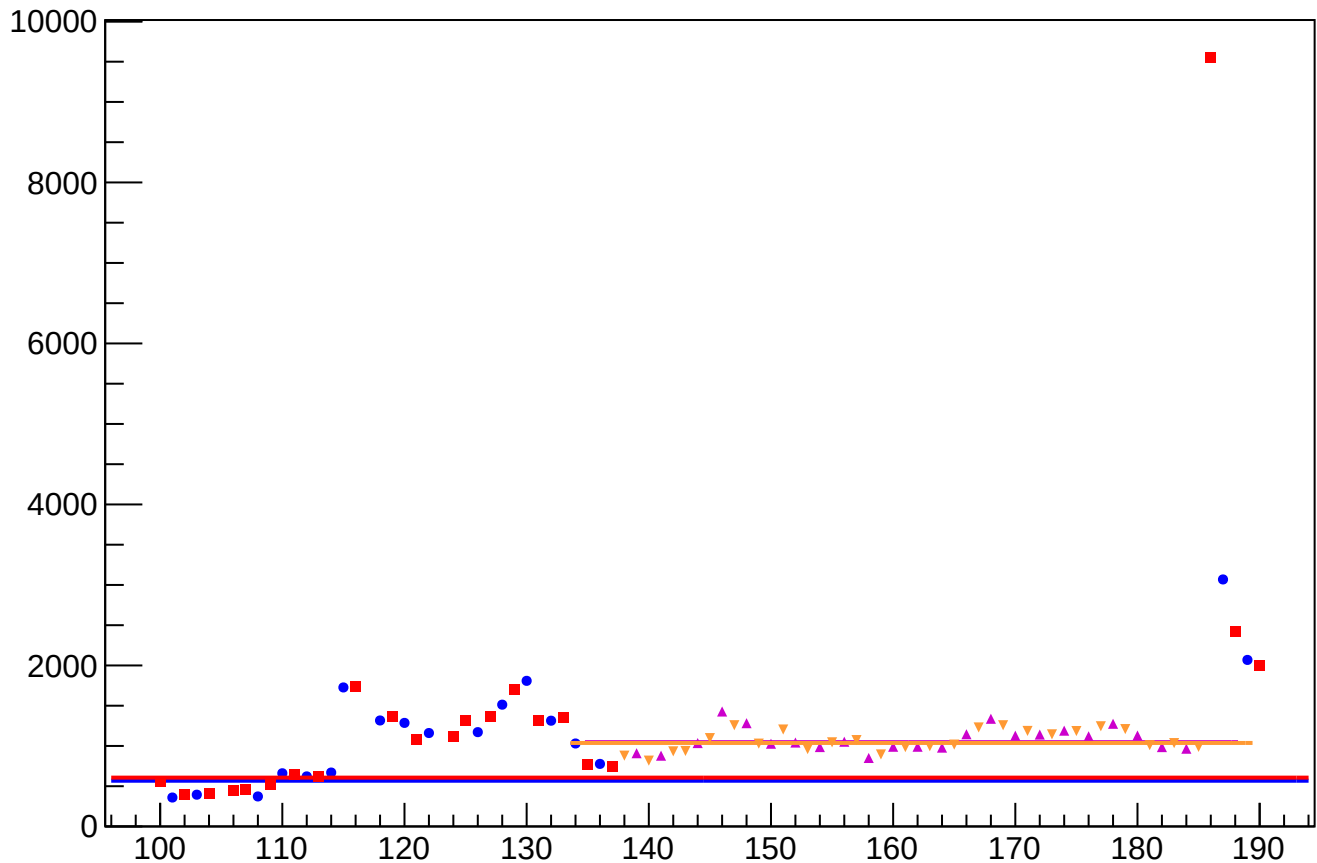
Left In: -255.399 ± 247.203 χ^2/NDF : 33.6/22

+ sign -206.347 ± 167.789 χ^2/NDF : 53.7/42

All: -132.506 ± 119.735 χ^2/NDF : 112.3/87

- sign -55.888 ± 170.916 χ^2/NDF : 58.2/44

asym_sam6_rms vs Slug



Right In: 568.013 $\pm$ 0.167 χ^2 /NDF: 4264959.0/17

Left Out: 1037.324 $\pm$ 0.168 χ^2 /NDF:585511.9/24

Right Out: 606.537 $\pm$ 0.167 χ^2 /NDF: 5103467.1/21

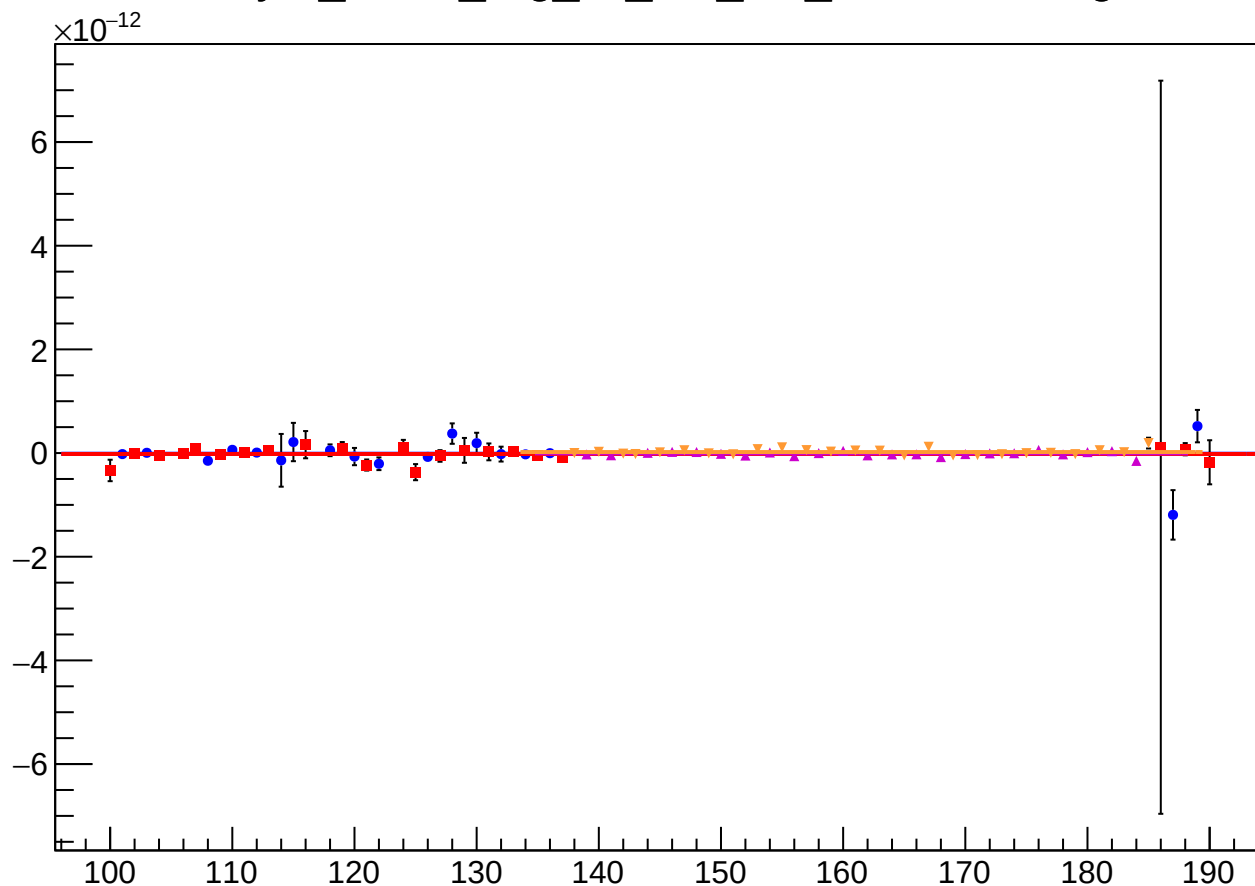
Left In: 1047.629 $\pm$ 0.175 χ^2 /NDF:613357.0/22

+ sign 801.324 $\pm$ 0.119 χ^2 /NDF: 8762044.4/42

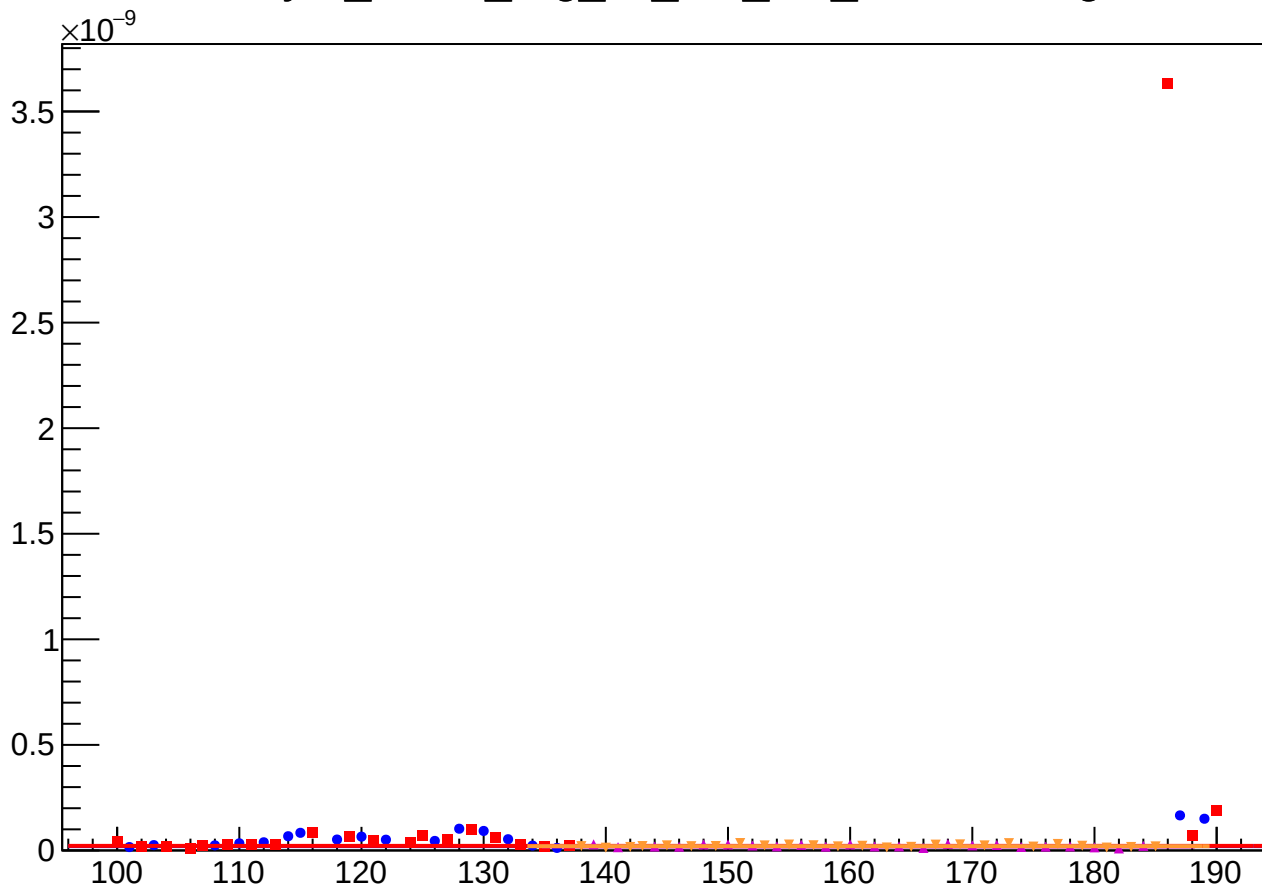
All: 809.211 $\pm$ 0.085 χ^2 /NDF: 17811596.4/87

- sign 817.393 $\pm$ 0.121 χ^2 /NDF: 9040549.4/44

asym_sam6_reg_vs_cor_diff_mean vs Slug



asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2535727.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:993542.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3028411.6/21

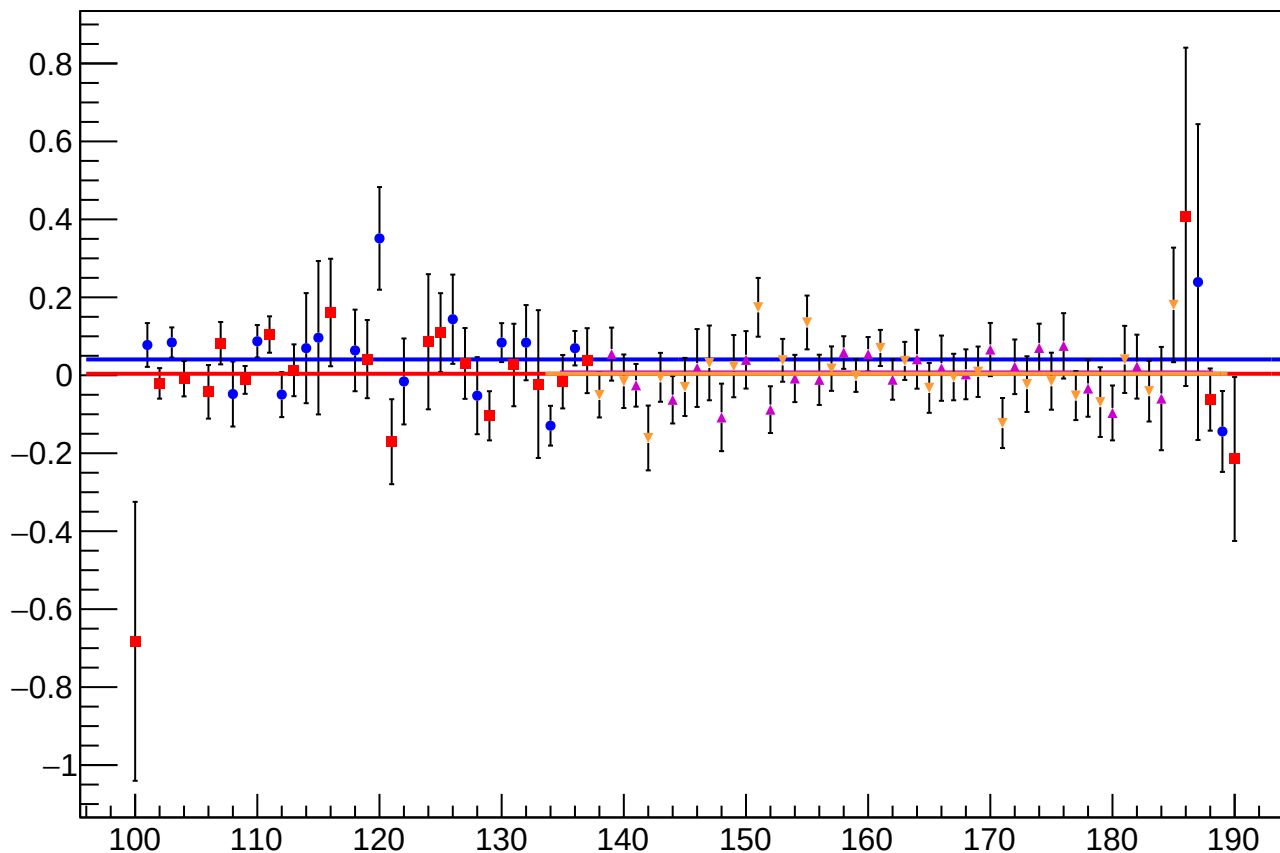
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1048721.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3530734.2/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7661169.4/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4125105.9/44

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.041 $\pm$ 0.016 χ^2 /NDF: 30.1/17

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF:24.8/24

Right Out: 0.004 $\pm$ 0.015 χ^2 /NDF: 22.8/21

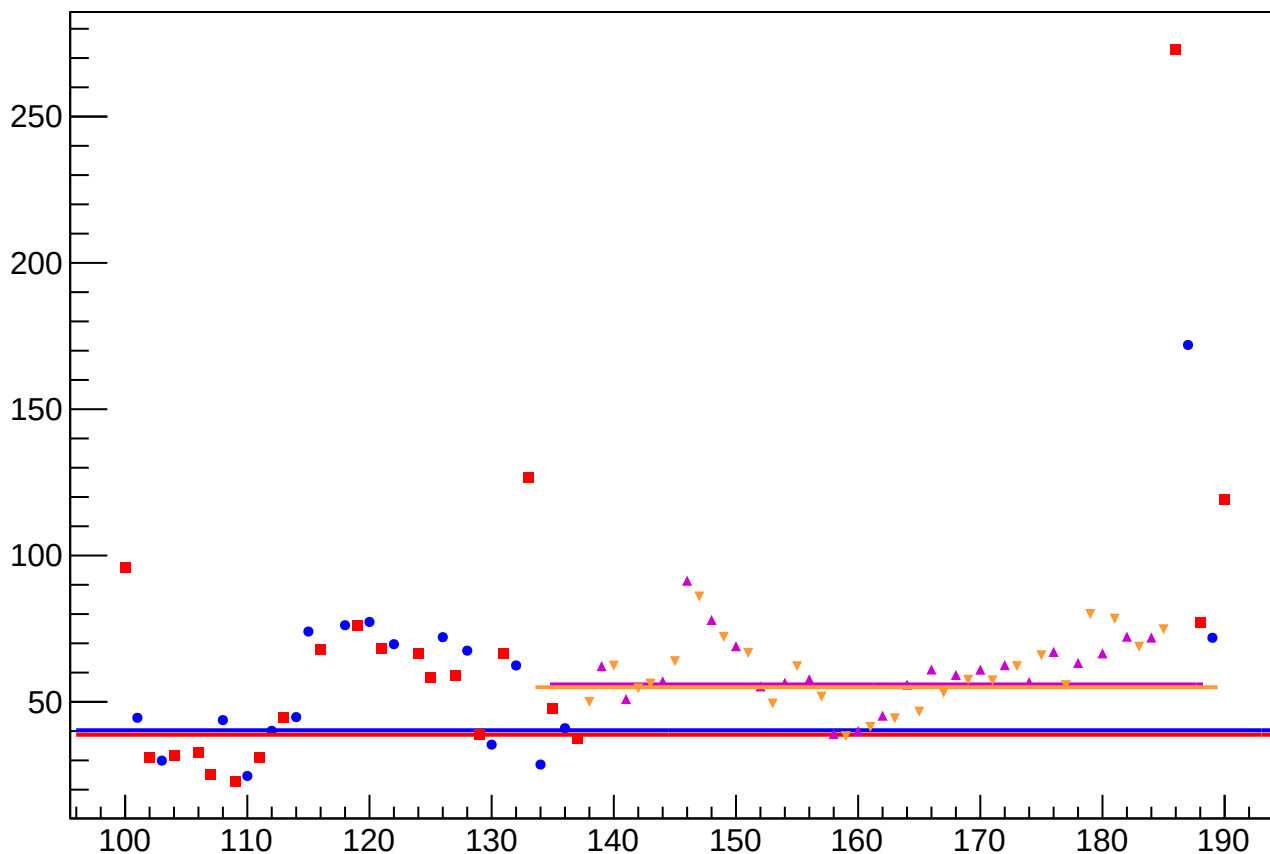
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF:15.1/22

+ sign 0.019 $\pm$ 0.010 χ^2 /NDF: 58.1/42

All: 0.012 $\pm$ 0.007 χ^2 /NDF: 96.9/87

- sign 0.006 $\pm$ 0.010 χ^2 /NDF: 37.9/44

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 40.293 $\pm$ 0.011 χ^2 /NDF: 1970180.0/17

Left Out: 54.986 $\pm$ 0.009 χ^2 /NDF: 1566844.0/24

Right Out: 38.768 $\pm$ 0.010 χ^2 /NDF: 3466880.1/21

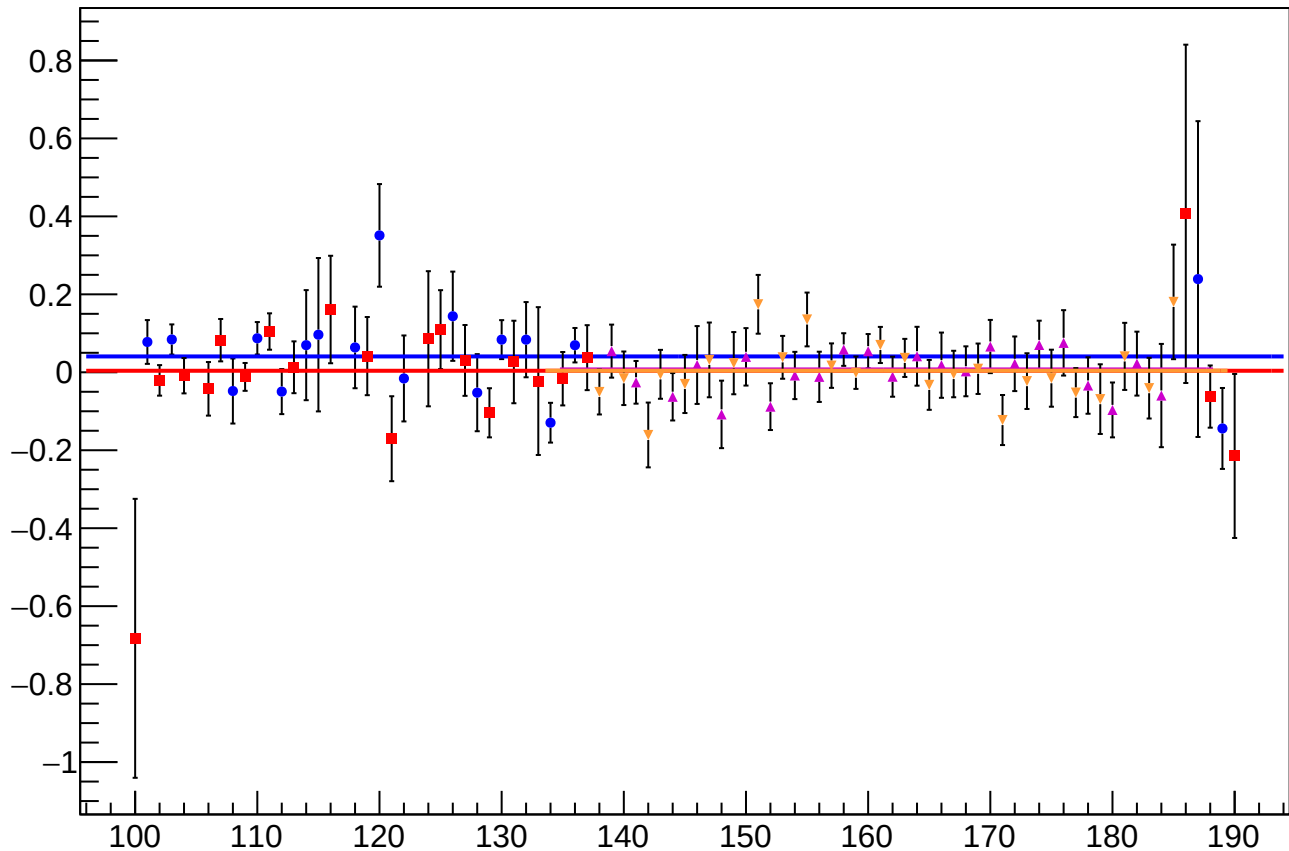
Left In: 55.956 $\pm$ 0.010 χ^2 /NDF: 1406142.1/22

+ sign 49.090 $\pm$ 0.007 χ^2 /NDF: 4569620.3/42

All: 48.612 $\pm$ 0.005 χ^2 /NDF: 10922038.8/87

- sign 48.139 $\pm$ 0.007 χ^2 /NDF: 6343395.9/44

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.041 $\pm$ 0.016 χ^2 /NDF: 30.1/17

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF: 24.8/24

Right Out: 0.004 $\pm$ 0.015 χ^2 /NDF: 22.8/21

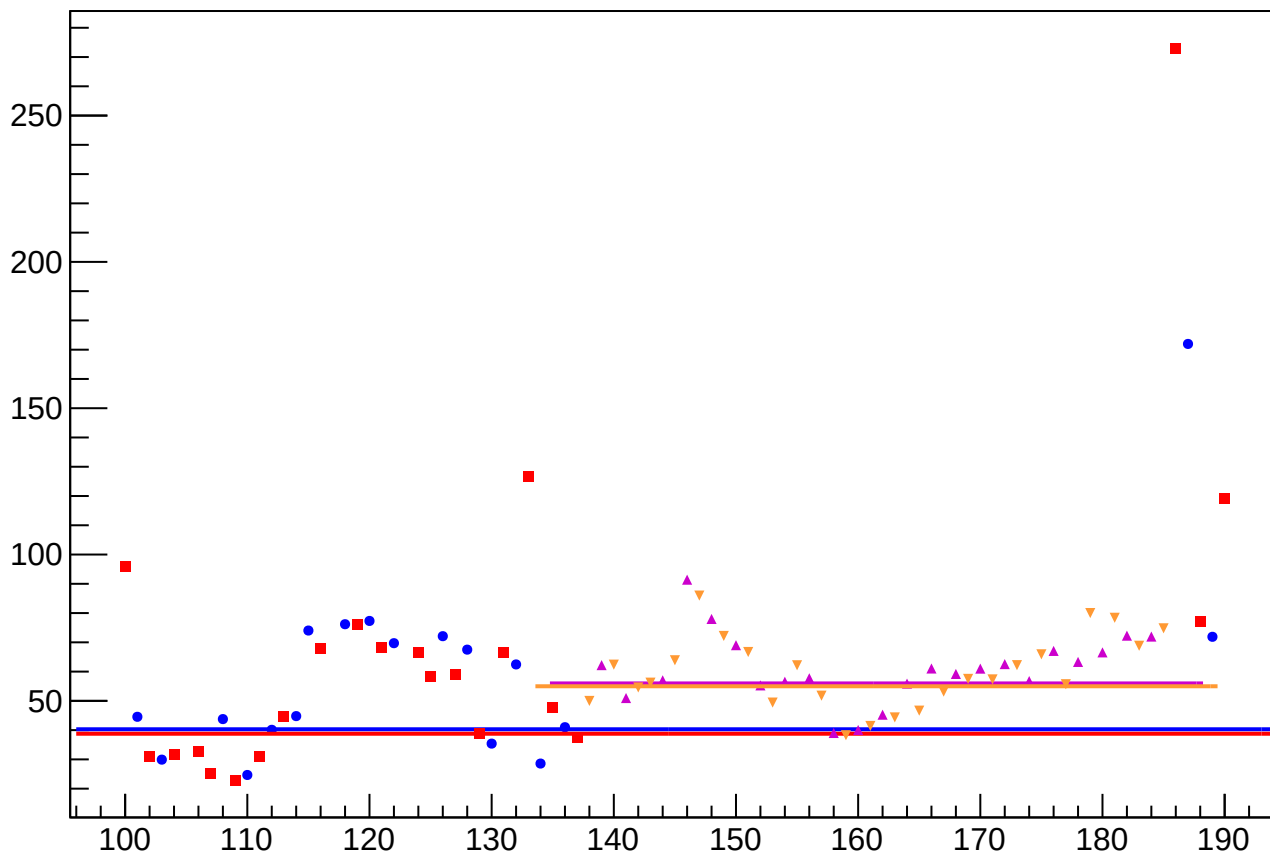
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF: 15.1/22

+ sign 0.019 $\pm$ 0.010 χ^2 /NDF: 58.1/42

All: 0.012 $\pm$ 0.007 χ^2 /NDF: 96.9/87

- sign 0.006 $\pm$ 0.010 χ^2 /NDF: 37.9/44

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.293 $\pm$ 0.011 χ^2 /NDF: 1970180.0/17

Left Out: 54.986 $\pm$ 0.009 χ^2 /NDF: 1566844.0/24

Right Out: 38.768 $\pm$ 0.010 χ^2 /NDF: 3466880.1/21

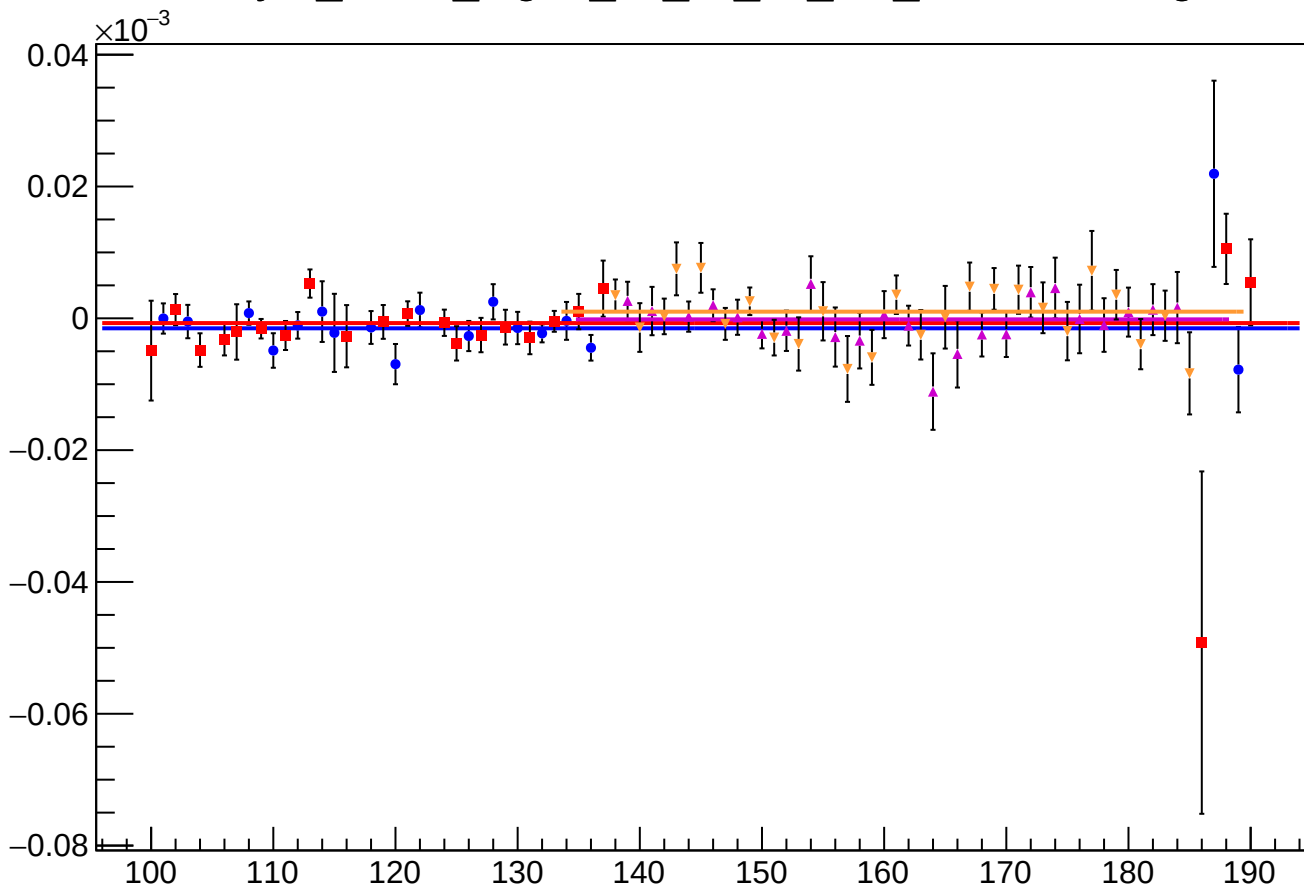
Left In: 55.956 $\pm$ 0.010 χ^2 /NDF: 1406142.1/22

+ sign 49.090 $\pm$ 0.007 χ^2 /NDF: 4569620.3/42

All: 48.612 $\pm$ 0.005 χ^2 /NDF: 10922038.8/87

- sign 48.139 $\pm$ 0.007 χ^2 /NDF: 6343395.9/44

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.6/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 28.5/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 28.0/21

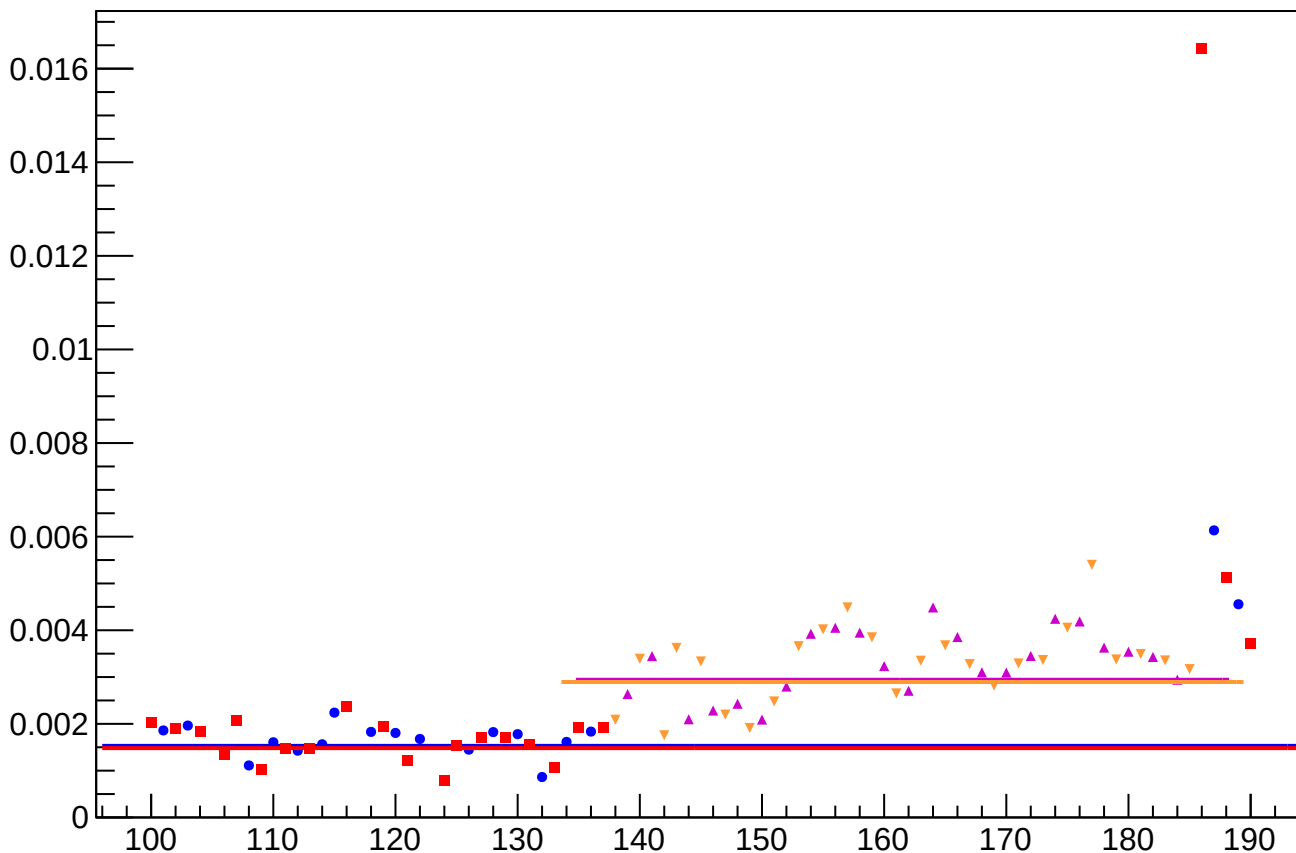
Left In: -0.000 ± 0.000 χ^2/NDF : 14.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 54.0/42

All: -0.000 ± 0.000 χ^2/NDF : 96.5/87

- sign -0.000 ± 0.000 χ^2/NDF : 42.5/44

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1522427.5/17

Left Out: 0.003+/-0.000 χ^2/NDF : 2642911.8/24

Right Out: 0.001+/-0.000 χ^2/NDF : 2859585.5/21

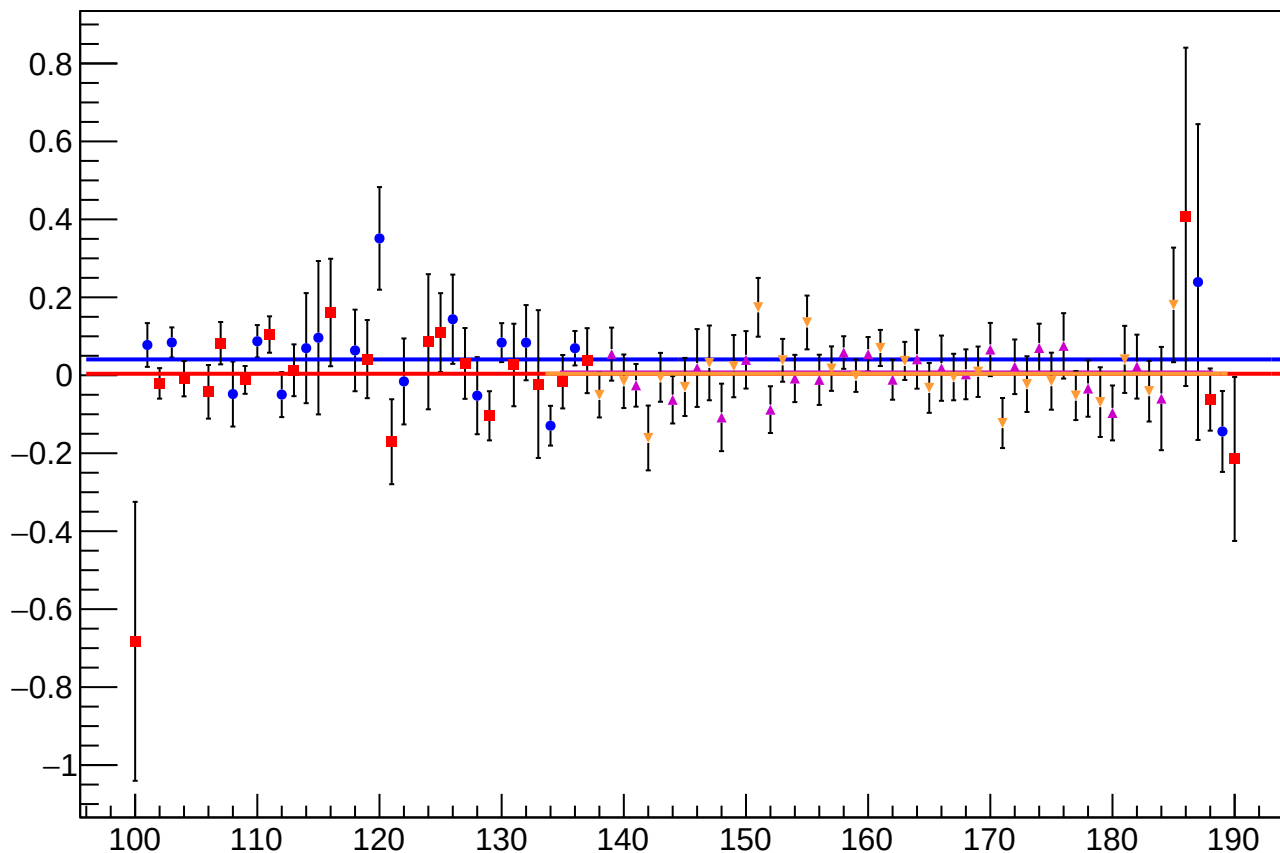
Left In: 0.003+/-0.000 χ^2/NDF : 1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 8795705.6/42

All: 0.002+/-0.000 χ^2/NDF : 18953565.3/87

- sign 0.002+/-0.000 χ^2/NDF : 10123227.5/44

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.041 $\pm$ 0.016 χ^2 /NDF: 30.1/17

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF: 24.8/24

Right Out: 0.004 $\pm$ 0.015 χ^2 /NDF: 22.8/21

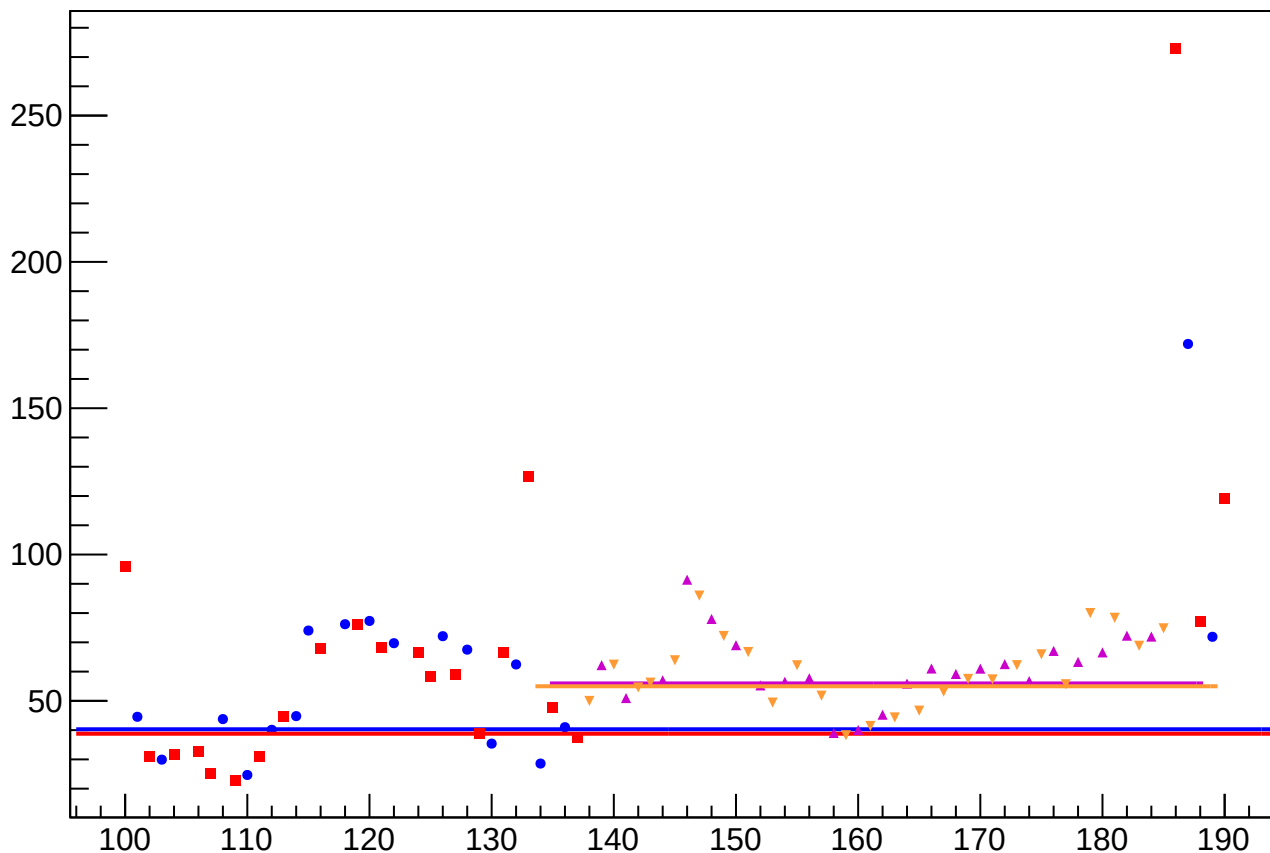
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF: 15.1/22

+ sign 0.019 $\pm$ 0.010 χ^2 /NDF: 58.1/42

All: 0.012 $\pm$ 0.007 χ^2 /NDF: 96.9/87

- sign 0.006 $\pm$ 0.010 χ^2 /NDF: 37.9/44

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.292 $\pm$ 0.011 χ^2 /NDF: 1970204.4/17

Left Out: 54.985 $\pm$ 0.009 χ^2 /NDF: 1566963.9/24

Right Out: 38.768 $\pm$ 0.010 χ^2 /NDF: 3466838.4/21

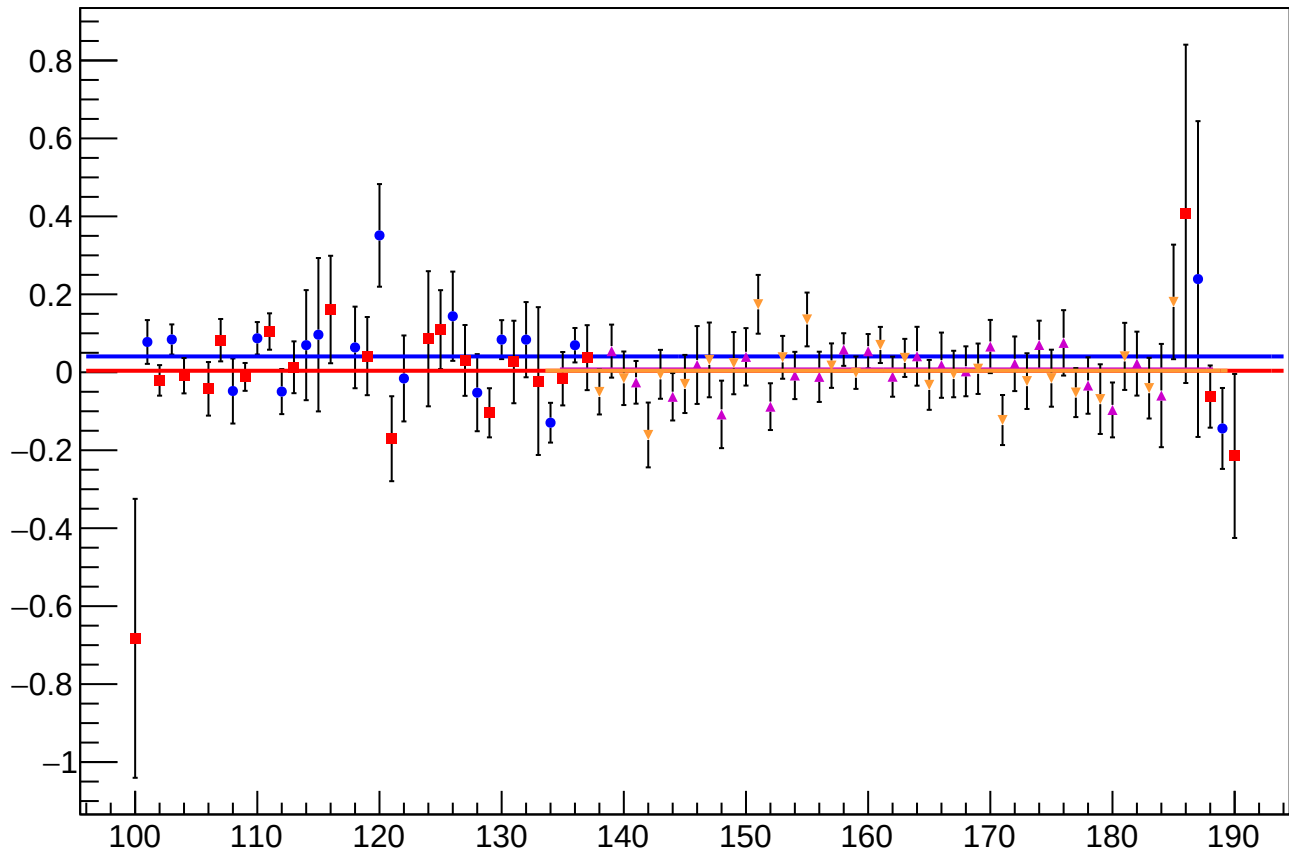
Left In: 55.955 $\pm$ 0.010 χ^2 /NDF: 1406309.5/22

+ sign 49.089 $\pm$ 0.007 χ^2 /NDF: 4569729.5/42

All: 48.612 $\pm$ 0.005 χ^2 /NDF: 10922158.1/87

- sign 48.139 $\pm$ 0.007 χ^2 /NDF: 6343407.6/44

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.041 $\pm$ 0.016 χ^2 /NDF: 30.1/17

Left Out: 0.004 $\pm$ 0.013 χ^2 /NDF:24.8/24

Right Out: 0.004 $\pm$ 0.015 χ^2 /NDF: 22.8/21

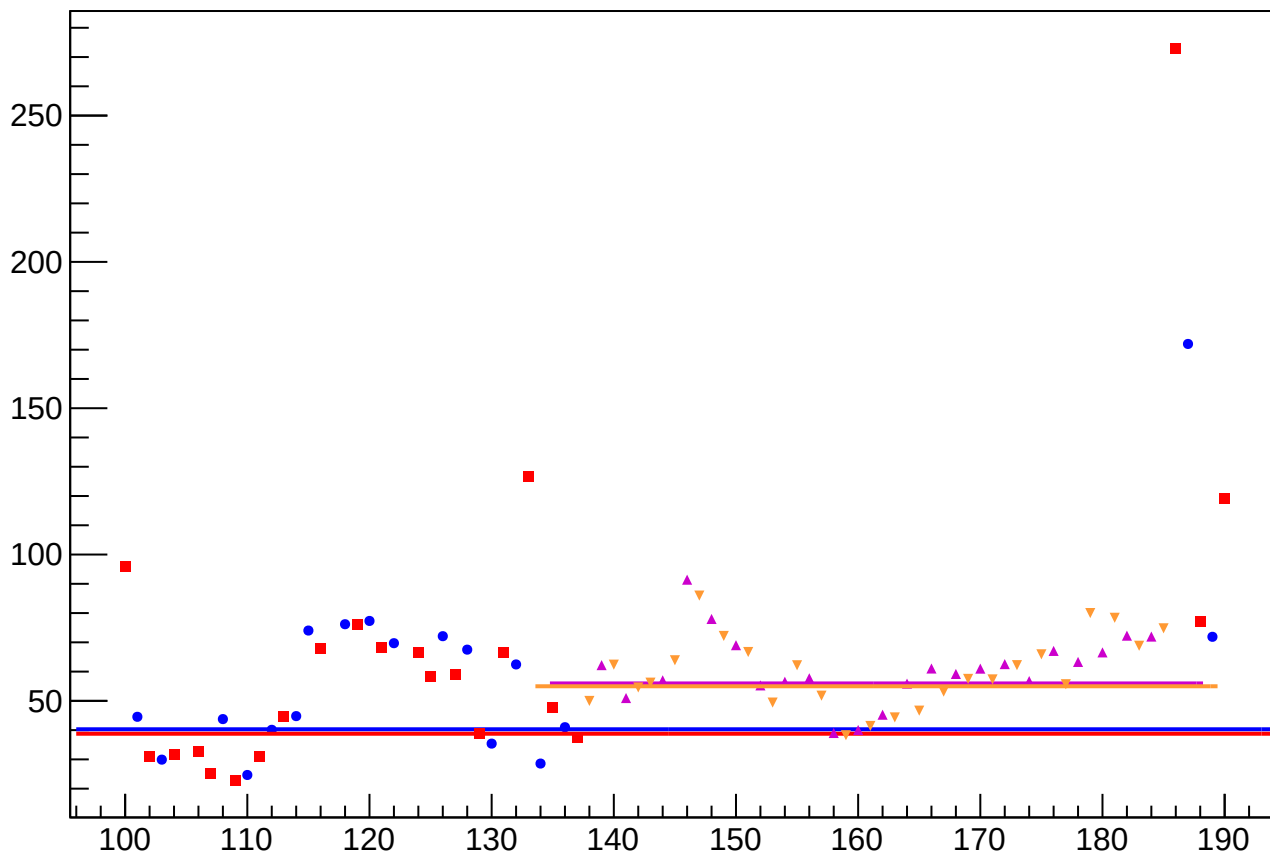
Left In: 0.007 $\pm$ 0.014 χ^2 /NDF:15.1/22

+ sign 0.019 $\pm$ 0.010 χ^2 /NDF: 58.1/42

All: 0.012 $\pm$ 0.007 χ^2 /NDF: 96.9/87

- sign 0.006 $\pm$ 0.010 χ^2 /NDF: 37.9/44

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.292+/-0.011 χ^2/NDF : 1970204.4/17

Left Out: 54.985+/-0.009 χ^2/NDF : 1566963.9/24

Right Out: 38.768+/-0.010 χ^2/NDF : 3466838.4/21

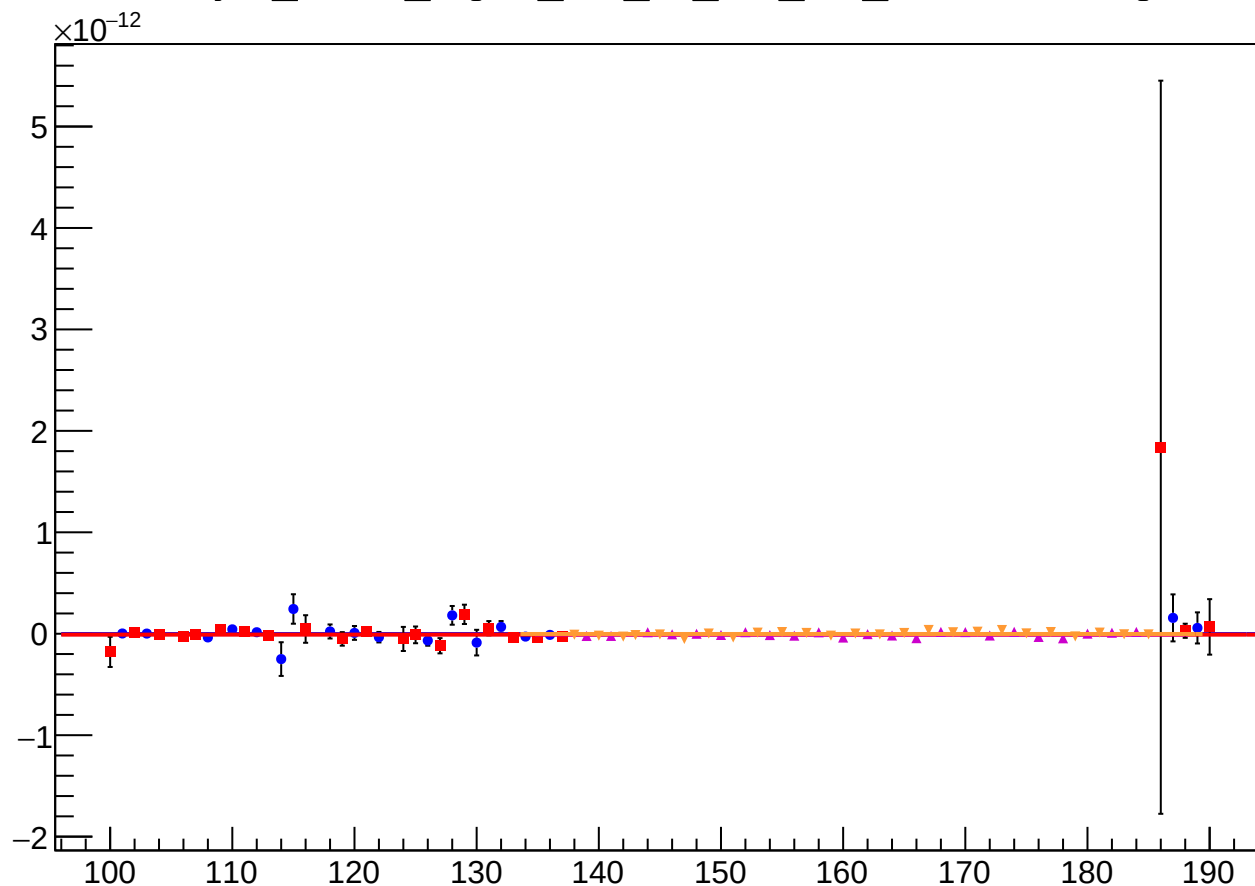
Left In: 55.955+/-0.010 χ^2/NDF : 1406309.5/22

+ sign 49.089+/-0.007 χ^2/NDF : 4569729.5/42

All: 48.612+/-0.005 χ^2/NDF : 10922158.1/87

- sign 48.139+/-0.007 χ^2/NDF : 6343407.6/44

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 17.2/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.3/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 16.4/21

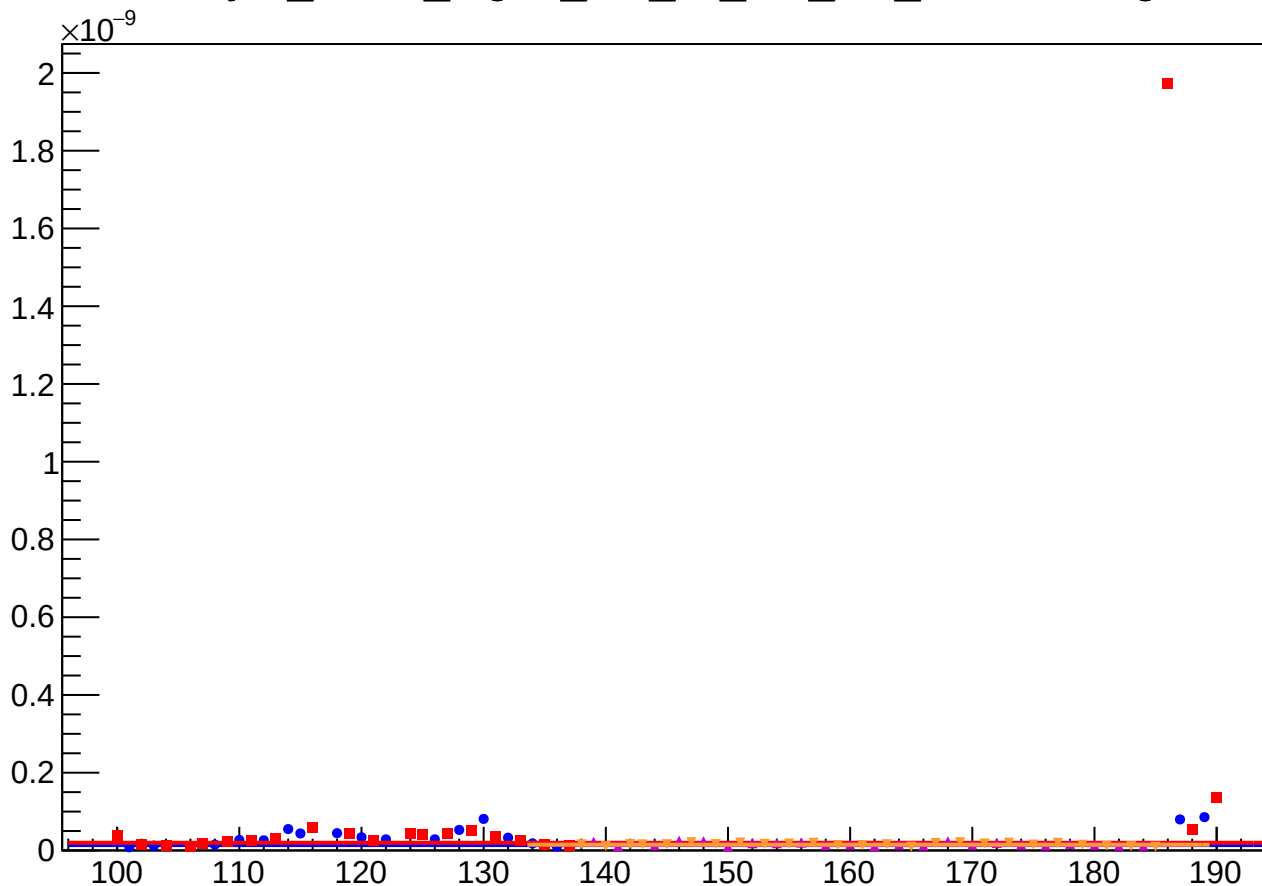
Left In: -0.000 ± 0.000 χ^2/NDF : 21.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 36.5/42

All: -0.000 ± 0.000 χ^2/NDF : 75.6/87

- sign -0.000 ± 0.000 χ^2/NDF : 38.3/44

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 3790375.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1401850.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3500913.3/21

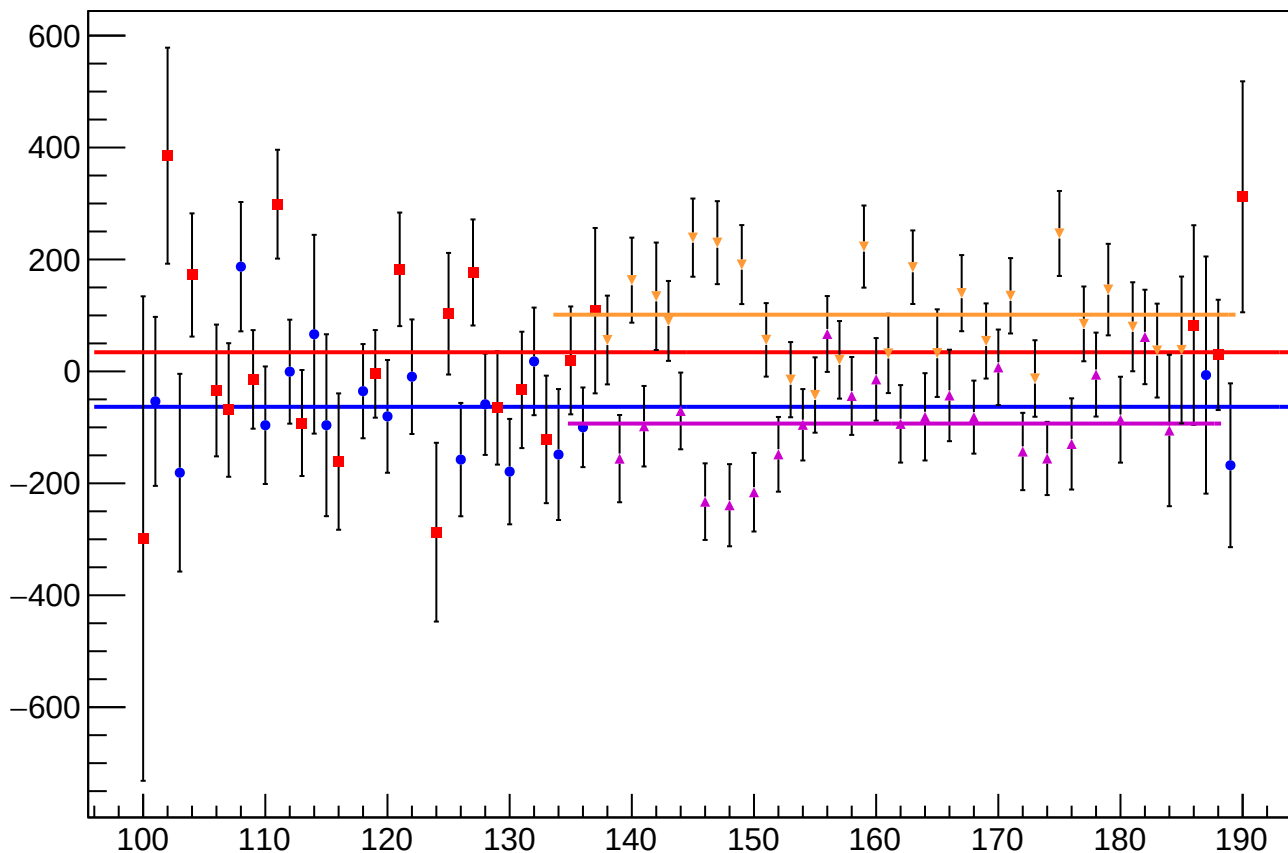
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :1427121.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5220212.9/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 10731965.1/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 5395686.8/44

reg_asym_sam7_mean vs Slug



Right In: -63.297 ± 25.464 χ^2/NDF : 11.2/17

Left Out: 101.325 ± 14.642 χ^2/NDF : 33.9/24

Right Out: 34.221 ± 23.942 χ^2/NDF : 33.1/21

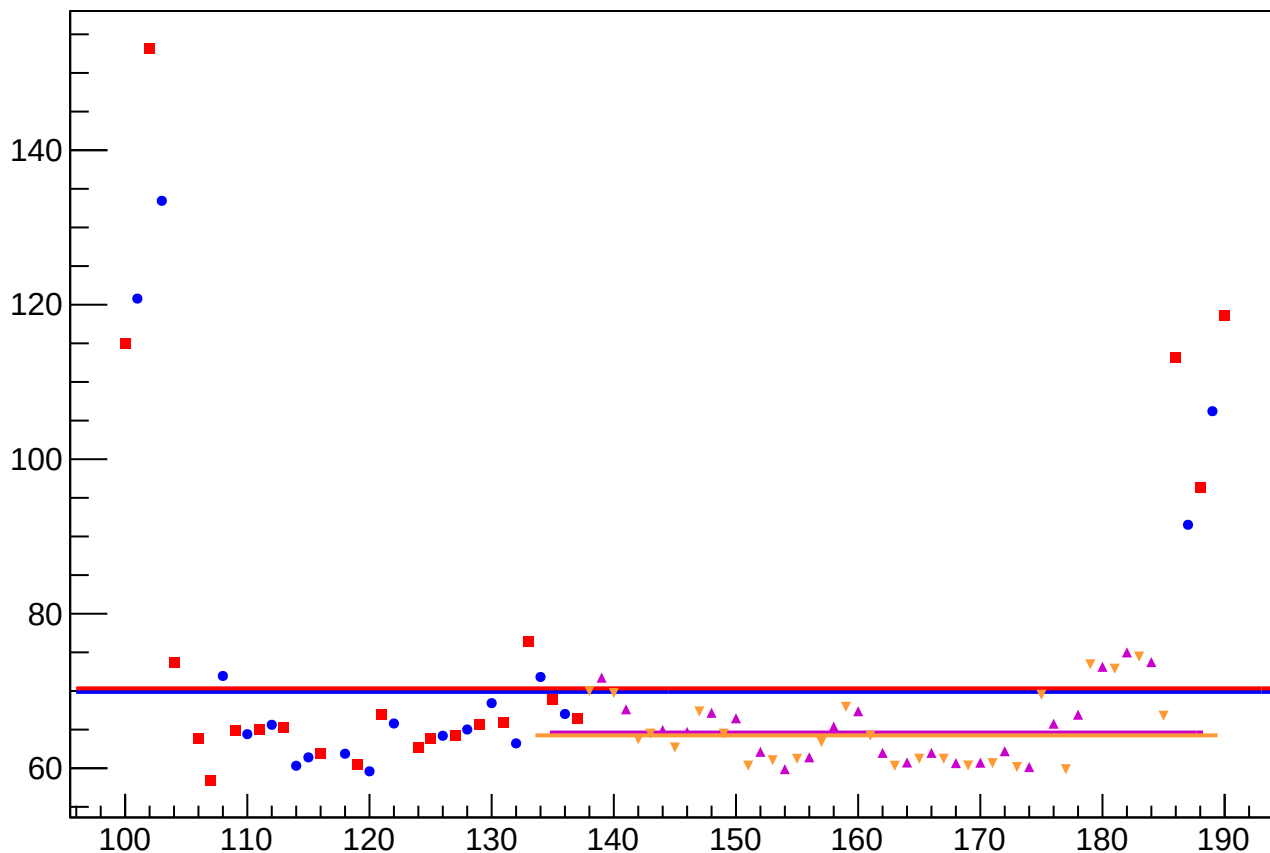
Left In: -93.236 ± 15.137 χ^2/NDF : 28.8/22

+ sign 60.422 ± 12.693 χ^2/NDF : 76.4/42

All: 2.256 ± 9.011 χ^2/NDF : 201.0/87

- sign -56.839 ± 12.794 χ^2/NDF : 82.2/44

reg_asym_sam7_rms vs Slug



Right In: 69.882 $\pm$ 0.018 χ^2 /NDF: 720117.9/17

Left Out: 64.256 $\pm$ 0.010 χ^2 /NDF: 177697.9/24

Right Out: 70.339 $\pm$ 0.017 χ^2 /NDF: 879684.4/21

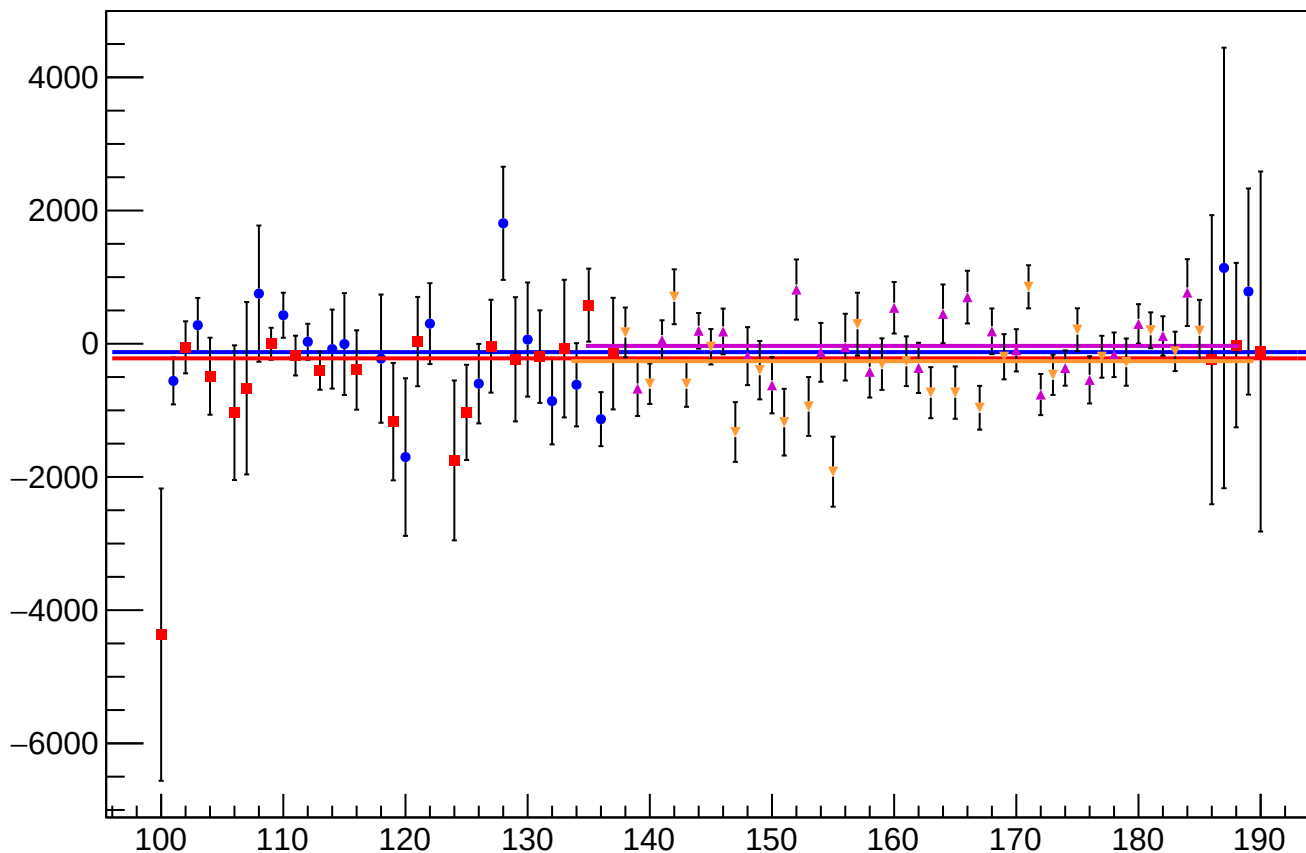
Left In: 64.621 $\pm$ 0.011 χ^2 /NDF: 147201.3/22

+ sign 65.654 $\pm$ 0.009 χ^2 /NDF: 971190.6/42

All: 65.951 $\pm$ 0.006 χ^2 /NDF: 2081776.7/87

- sign 66.254 $\pm$ 0.009 χ^2 /NDF: 1108367.0/44

asym_sam7_reg_correction_mean vs Slug



Right In: -125.739 ± 125.399 χ^2/NDF : 23.0/17

Left Out: -261.124 ± 71.268 χ^2/NDF : 58.8/24

Right Out: -219.375 ± 116.970 χ^2/NDF : 12.6/21

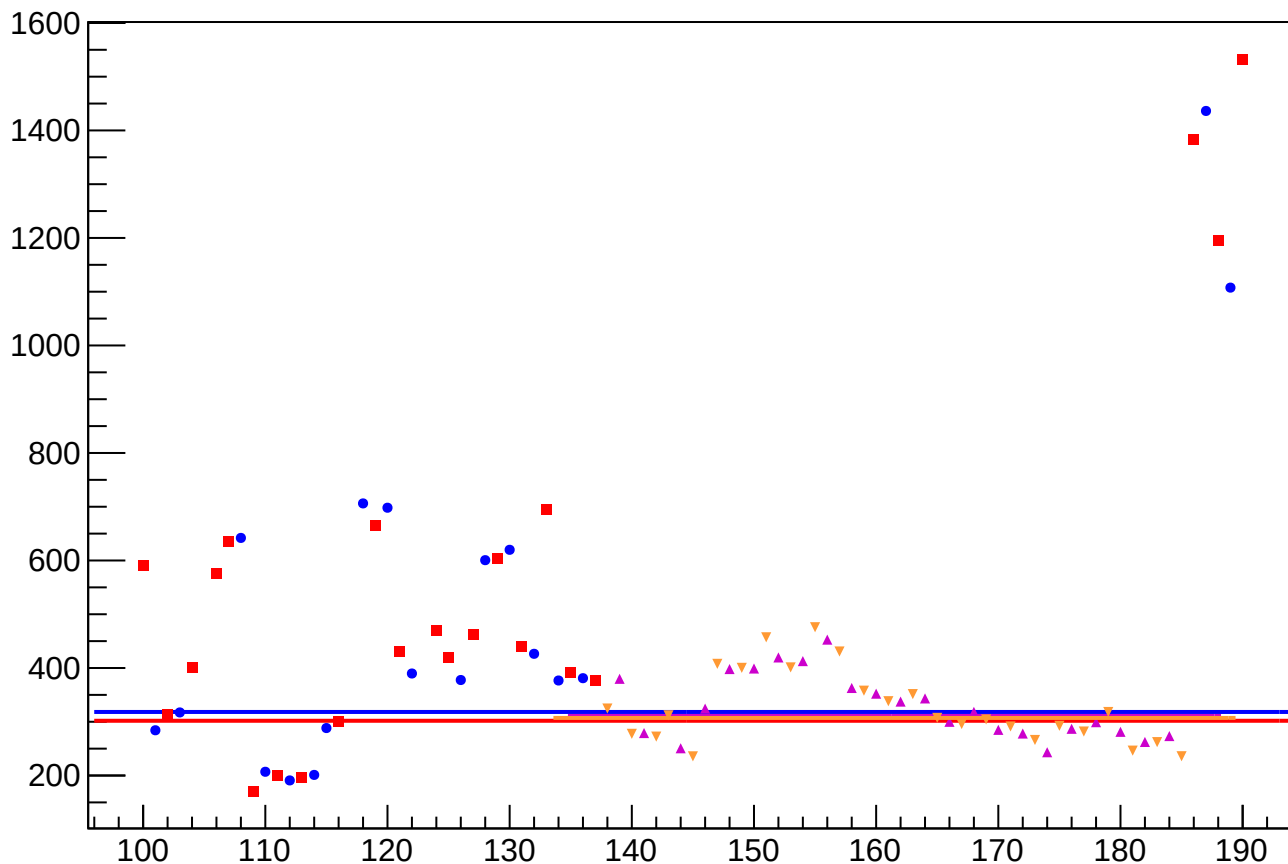
Left In: -32.423 ± 73.837 χ^2/NDF : 31.7/22

+ sign -228.070 ± 61.961 χ^2/NDF : 82.7/42

All: -157.427 ± 43.980 χ^2/NDF : 131.4/87

- sign -85.692 ± 62.438 χ^2/NDF : 46.1/44

asym_sam7_reg_correction_rms vs Slug



Right In: 318.231+/-0.089 χ^2/NDF : 2878635.2/17

Left Out: 307.143+/-0.050 χ^2/NDF : 1320151.2/24

Right Out: 301.850+/-0.083 χ^2/NDF : 4698304.7/21

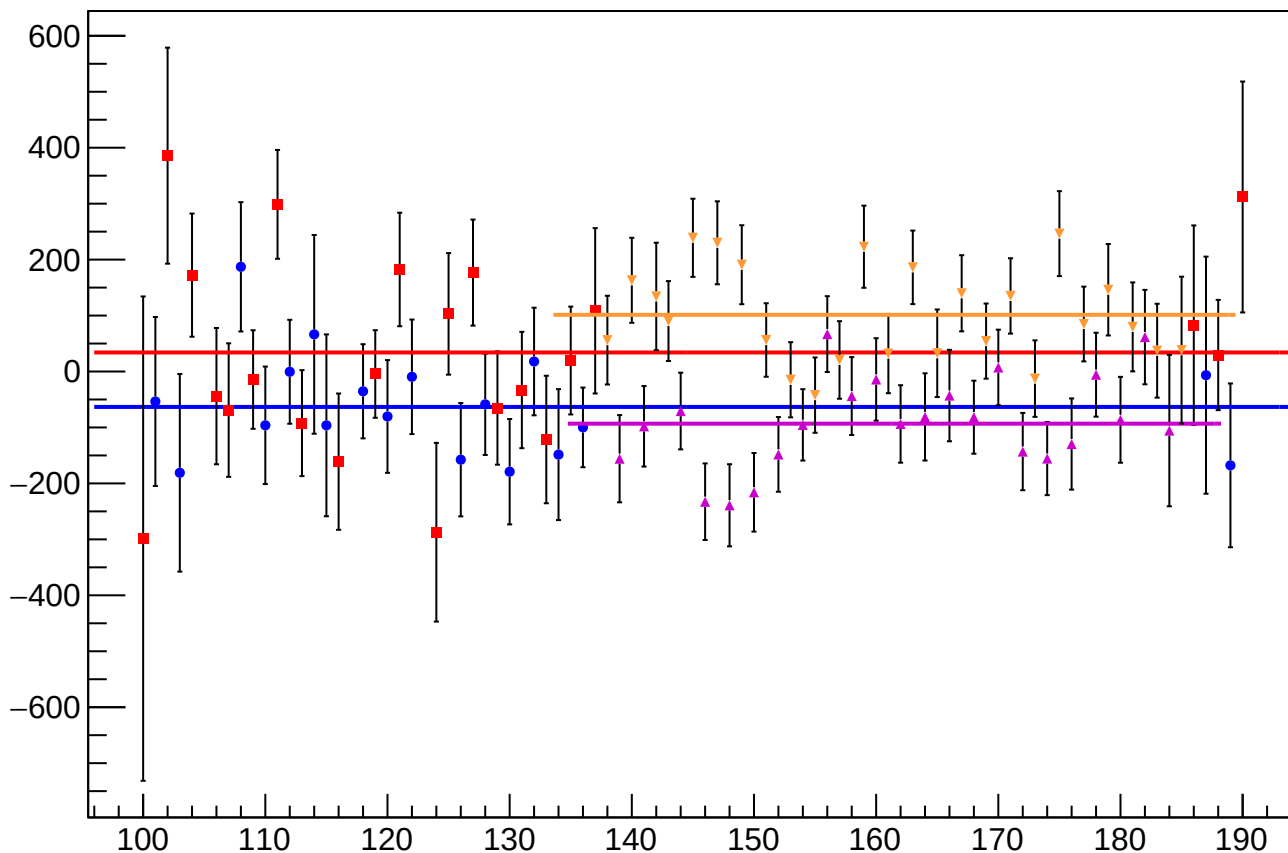
Left In: 310.697+/-0.052 χ^2/NDF : 1079476.2/22

+ sign 309.850+/-0.044 χ^2/NDF : 4210606.1/42

All: 309.020+/-0.031 χ^2/NDF : 9997293.1/87

- sign 308.177+/-0.044 χ^2/NDF : 5785962.8/44

cor_asym_sam7_mean vs Slug



Right In: -63.300 ± 25.464 $\chi^2/\text{NDF}: 11.2/17$

Left Out: 101.325 ± 14.642 $\chi^2/\text{NDF}: 33.9/24$

Right Out: 34.021 ± 23.975 $\chi^2/\text{NDF}: 33.2/21$

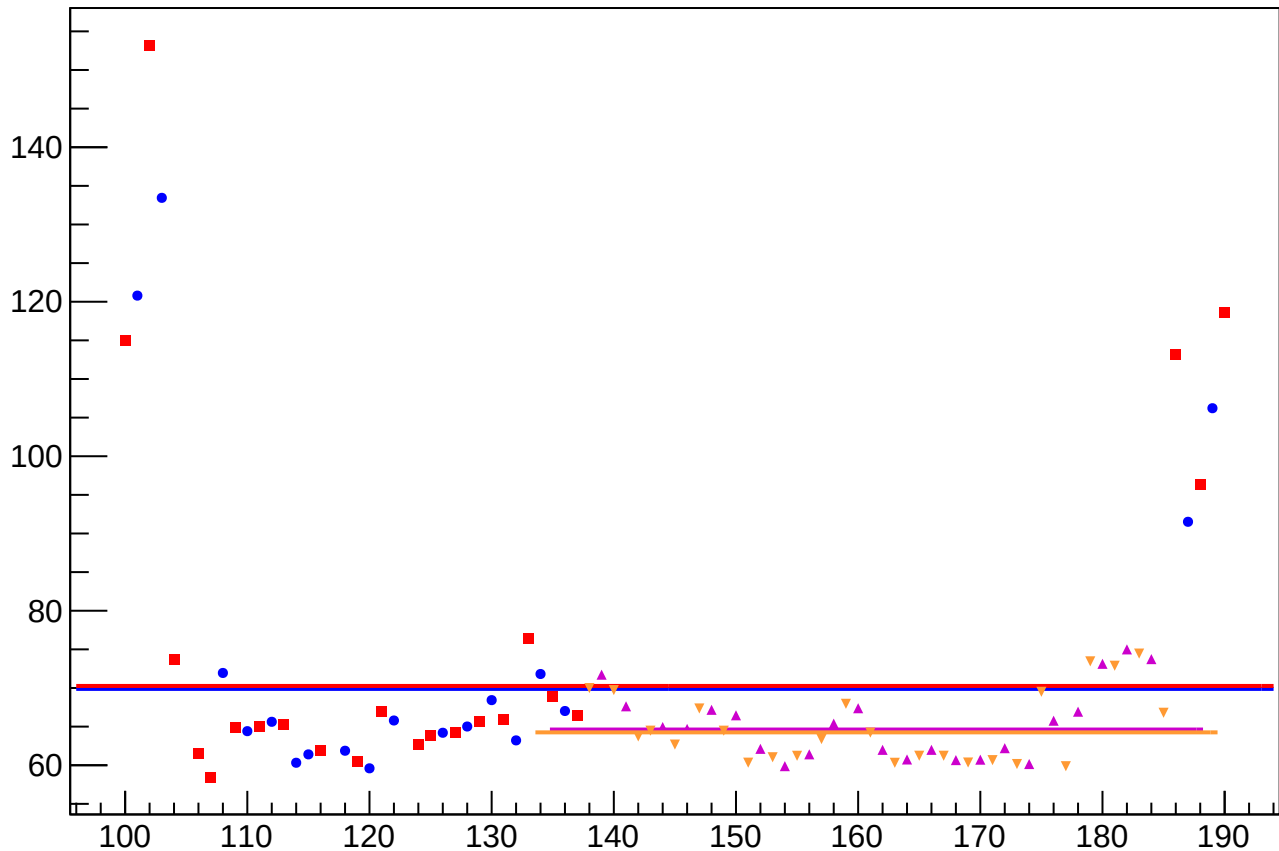
Left In: -93.235 ± 15.137 $\chi^2/\text{NDF}: 28.8/22$

+ sign 60.421 ± 12.693 $\chi^2/\text{NDF}: 76.5/42$

All: 2.216 ± 9.013 $\chi^2/\text{NDF}: 201.1/87$

- sign -56.966 ± 12.799 $\chi^2/\text{NDF}: 82.2/44$

cor_asym_sam7_rms vs Slug



Right In: 69.882 ± 0.018 χ^2/NDF : 720118.3/17

Left Out: 64.256 ± 0.010 χ^2/NDF : 177697.9/24

Right Out: 70.265 ± 0.017 χ^2/NDF : 884139.1/21

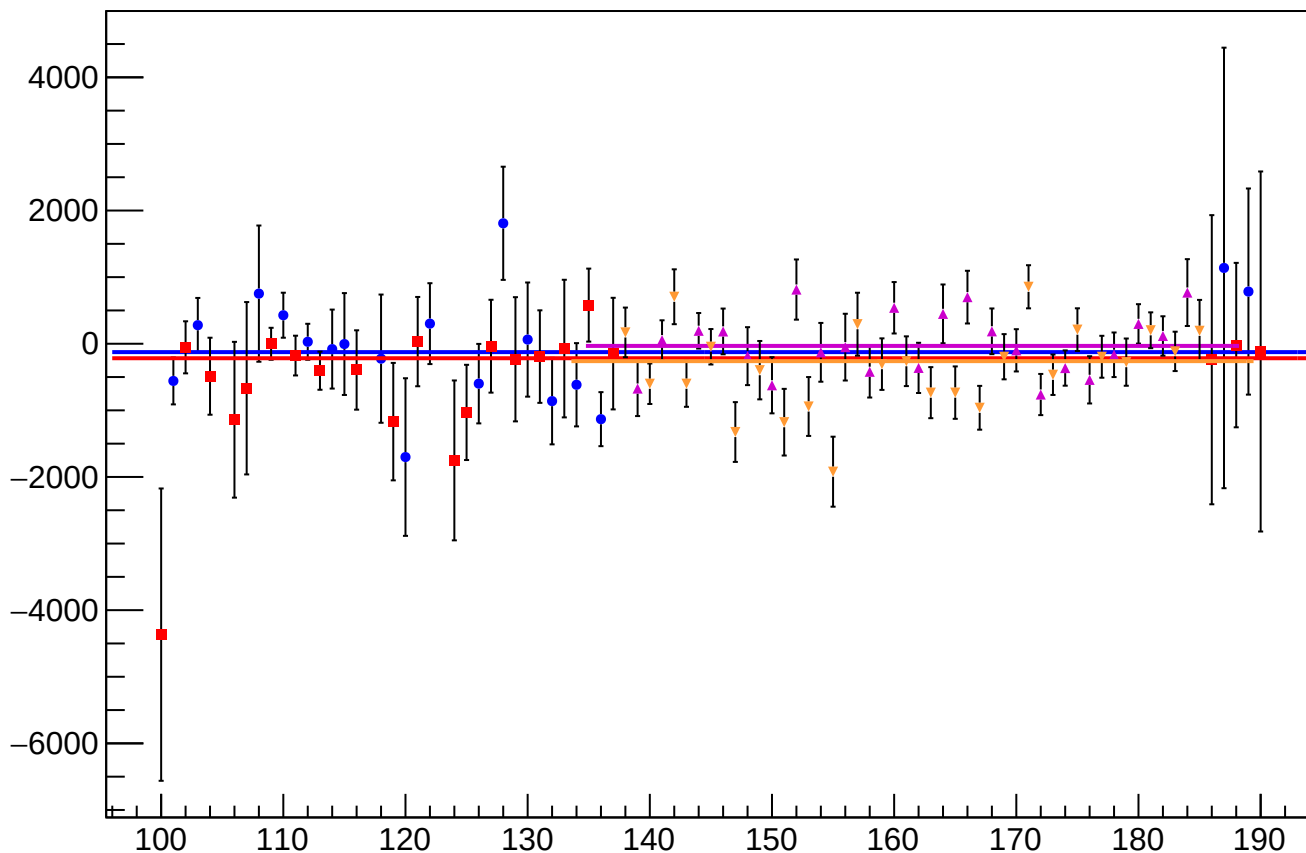
Left In: 64.621 ± 0.011 χ^2/NDF : 147201.3/22

+ sign 65.654 ± 0.009 χ^2/NDF : 971191.0/42

All: 65.939 ± 0.006 χ^2/NDF : 2083806.0/87

- sign 66.230 ± 0.009 χ^2/NDF : 1110572.5/44

asym_sam7_cor_correction_mean vs Slug



Right In: -125.735+/-125.399 χ^2/NDF : 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF : 58.8/24

Right Out: -217.683+/-117.172 χ^2/NDF : 12.5/21

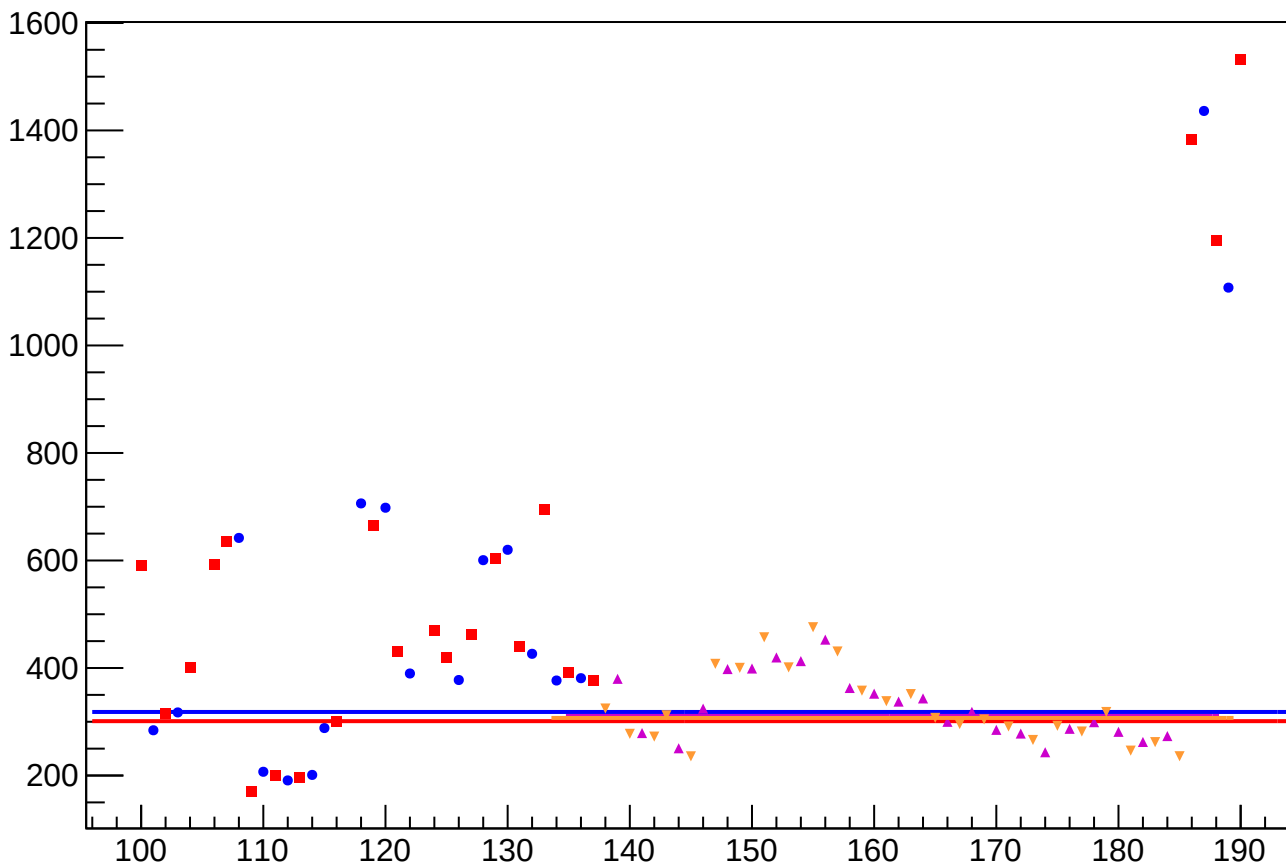
Left In: -32.420+/-73.837 χ^2/NDF : 31.7/22

+ sign -228.070+/-61.961 χ^2/NDF : 82.7/42

All: -157.157+/-43.991 χ^2/NDF : 131.4/87

- sign -85.077+/-62.469 χ^2/NDF : 46.1/44

asym_sam7_cor_correction_rms vs Slug



Right In: 318.233 ± 0.089 $\chi^2/\text{NDF}: 2878633.2/17$

Left Out: 307.143 ± 0.050 $\chi^2/\text{NDF}: 1320147.4/24$

Right Out: 301.117 ± 0.083 $\chi^2/\text{NDF}: 4676202.1/21$

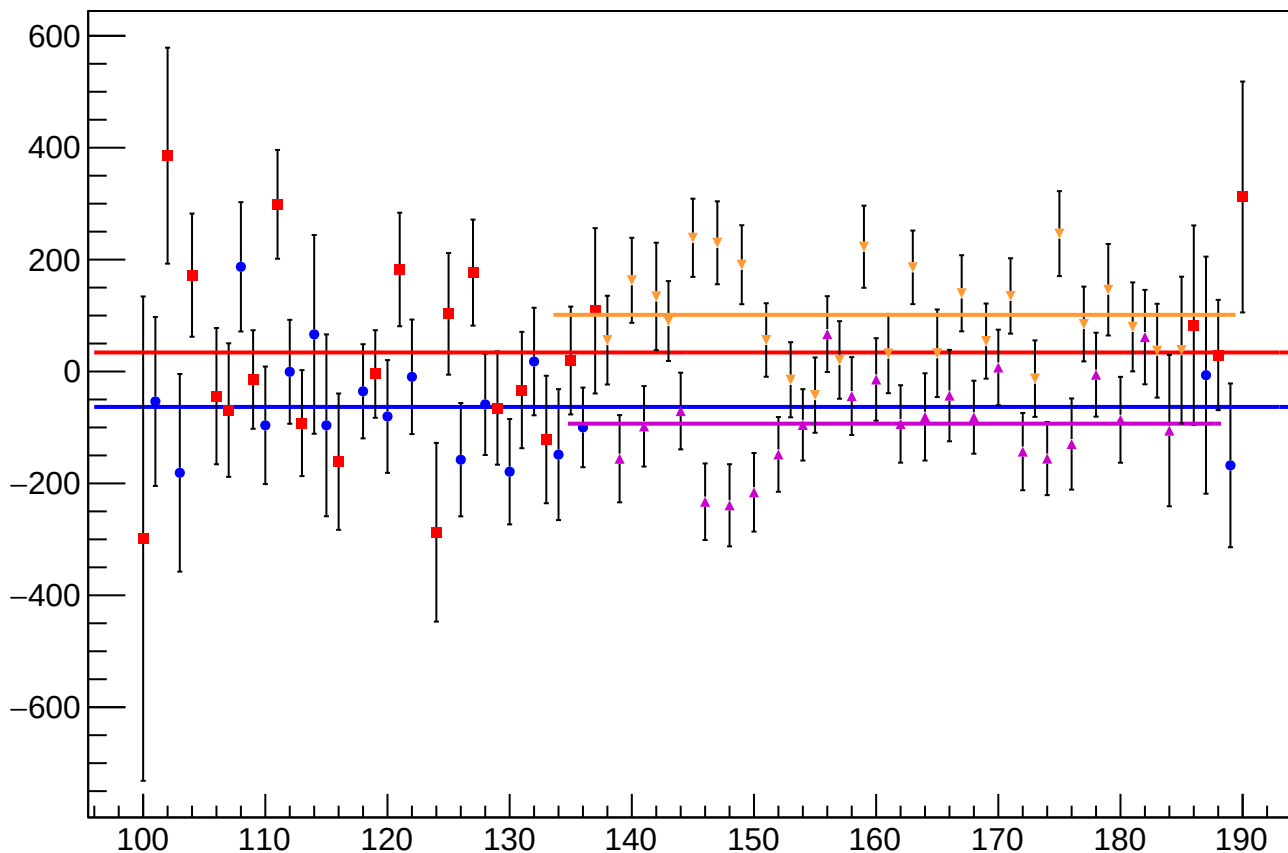
Left In: 310.698 ± 0.052 $\chi^2/\text{NDF}: 1079479.8/22$

+ sign 309.851 ± 0.044 $\chi^2/\text{NDF}: 4210604.7/42$

All: 308.920 ± 0.031 $\chi^2/\text{NDF}: 9976767.4/87$

- sign 307.974 ± 0.044 $\chi^2/\text{NDF}: 5765253.1/44$

eigen_cor_asym_sam7_mean vs Slug



Right In: -63.300 $\pm$ 25.464 χ^2 /NDF: 11.2/17

Left Out: 101.325 $\pm$ 14.642 χ^2 /NDF: 33.9/24

Right Out: 34.021 $\pm$ 23.975 χ^2 /NDF: 33.2/21

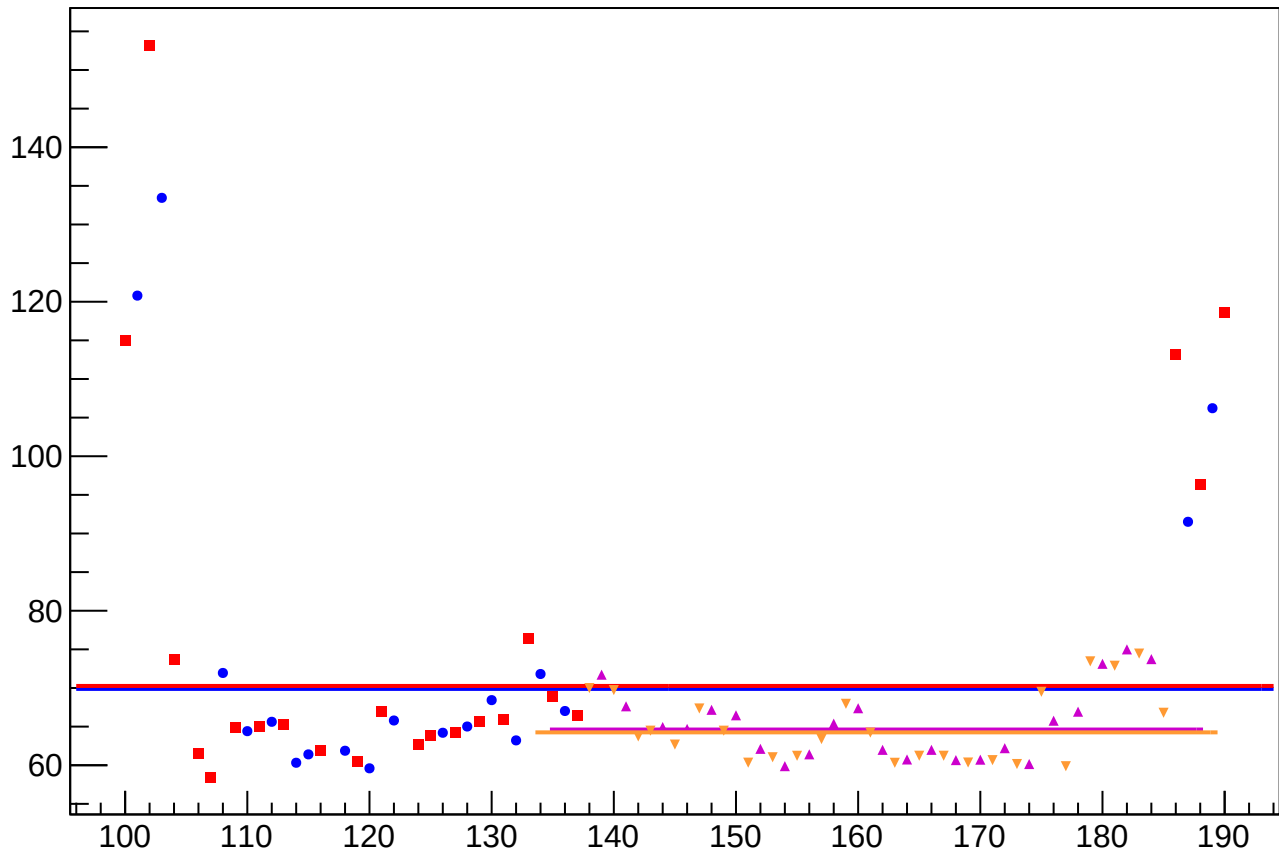
Left In: -93.235 $\pm$ 15.137 χ^2 /NDF: 28.8/22

+ sign 60.421 $\pm$ 12.693 χ^2 /NDF: 76.5/42

All: 2.216 $\pm$ 9.013 χ^2 /NDF: 201.1/87

- sign -56.966 $\pm$ 12.799 χ^2 /NDF: 82.2/44

eigen_cor_asym_sam7_rms vs Slug



Right In: 69.882 ± 0.018 $\chi^2/\text{NDF}: 720118.3/17$

Left Out: 64.256 ± 0.010 $\chi^2/\text{NDF}: 177697.9/24$

Right Out: 70.265 ± 0.017 $\chi^2/\text{NDF}: 884139.1/21$

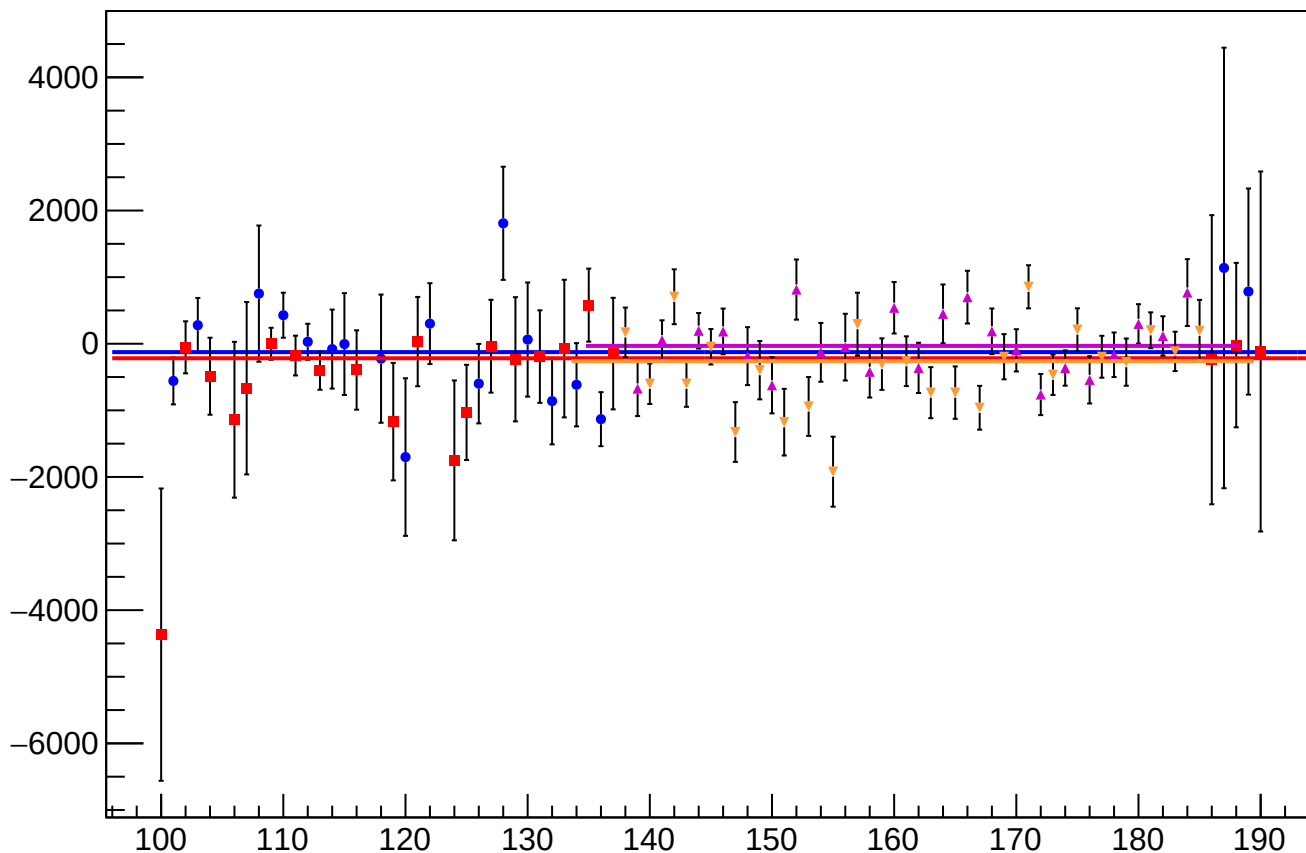
Left In: 64.621 ± 0.011 $\chi^2/\text{NDF}: 147201.3/22$

+ sign 65.654 ± 0.009 $\chi^2/\text{NDF}: 971191.0/42$

All: 65.939 ± 0.006 $\chi^2/\text{NDF}: 2083806.0/87$

- sign 66.230 ± 0.009 $\chi^2/\text{NDF}: 1110572.5/44$

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -125.735+/-125.399 χ^2/NDF : 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF : 58.8/24

Right Out: -217.683+/-117.172 χ^2/NDF : 12.5/21

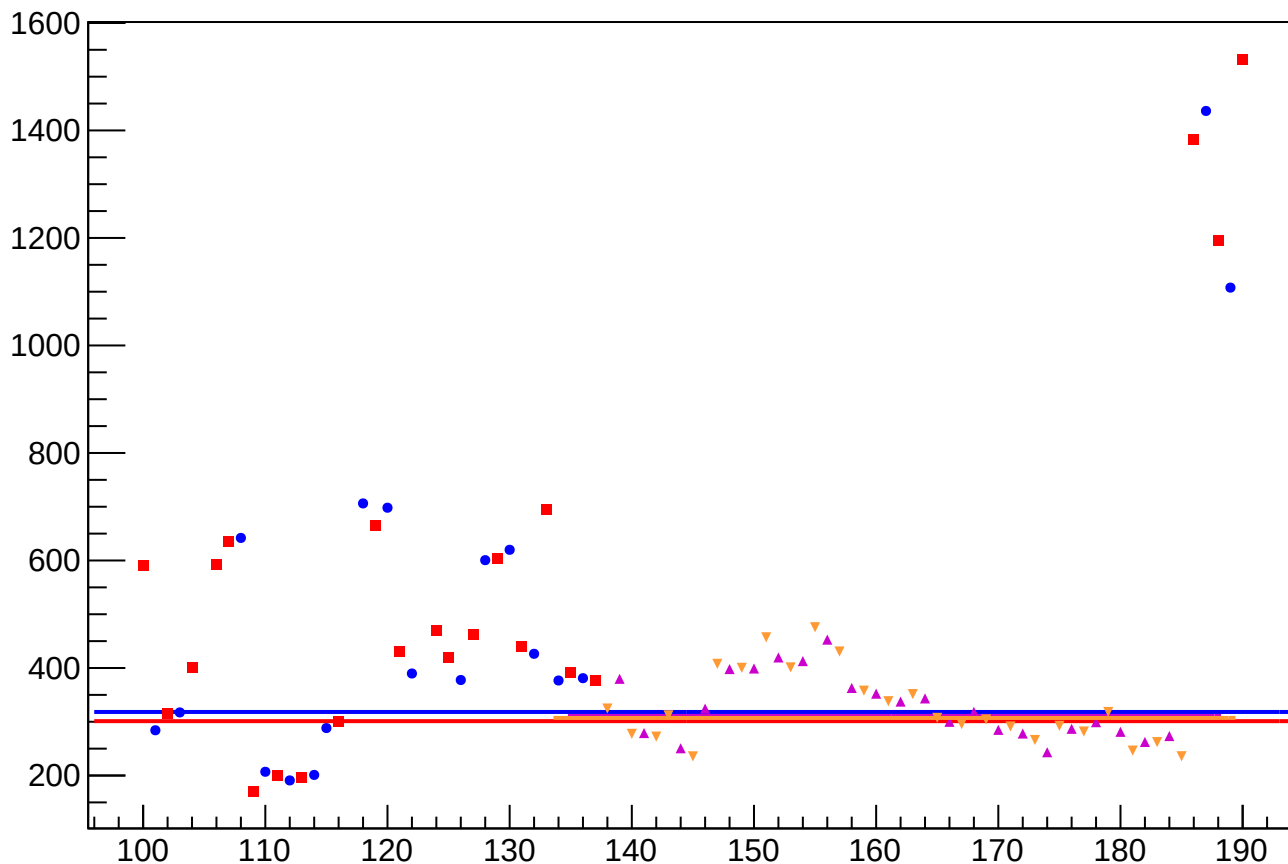
Left In: -32.420+/-73.837 χ^2/NDF : 31.7/22

+ sign -228.070+/-61.961 χ^2/NDF : 82.7/42

All: -157.157+/-43.991 χ^2/NDF : 131.4/87

- sign -85.077+/-62.469 χ^2/NDF : 46.1/44

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 318.233+/-0.089 χ^2/NDF : 2878633.2/17

Left Out: 307.143+/-0.050 χ^2/NDF :1320147.4/24

Right Out: 301.117+/-0.083 χ^2/NDF : 4676202.1/21

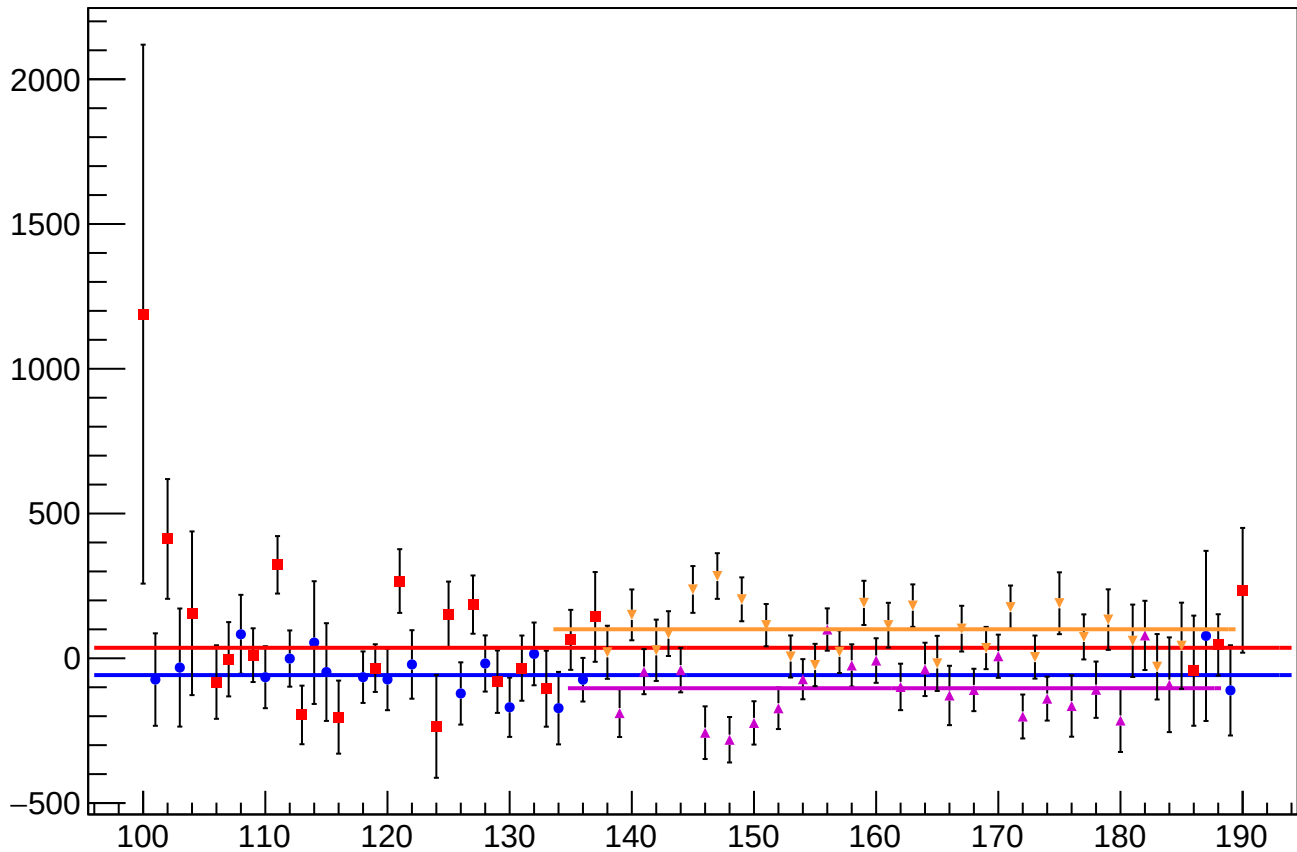
Left In: 310.698+/-0.052 χ^2/NDF :1079479.8/22

+ sign 309.851+/-0.044 χ^2/NDF : 4210604.7/42

All: 308.920+/-0.031 χ^2/NDF : 9976767.4/87

- sign 307.974+/-0.044 χ^2/NDF : 5765253.1/44

dit_asym_sam7_mean vs Slug



Right In: -58.012 $\pm$ 27.520 χ^2/NDF : 5.2/17

Left Out: 100.277 $\pm$ 16.625 χ^2/NDF :27.7/24

Right Out: 36.271 $\pm$ 26.077 χ^2/NDF : 38.2/21

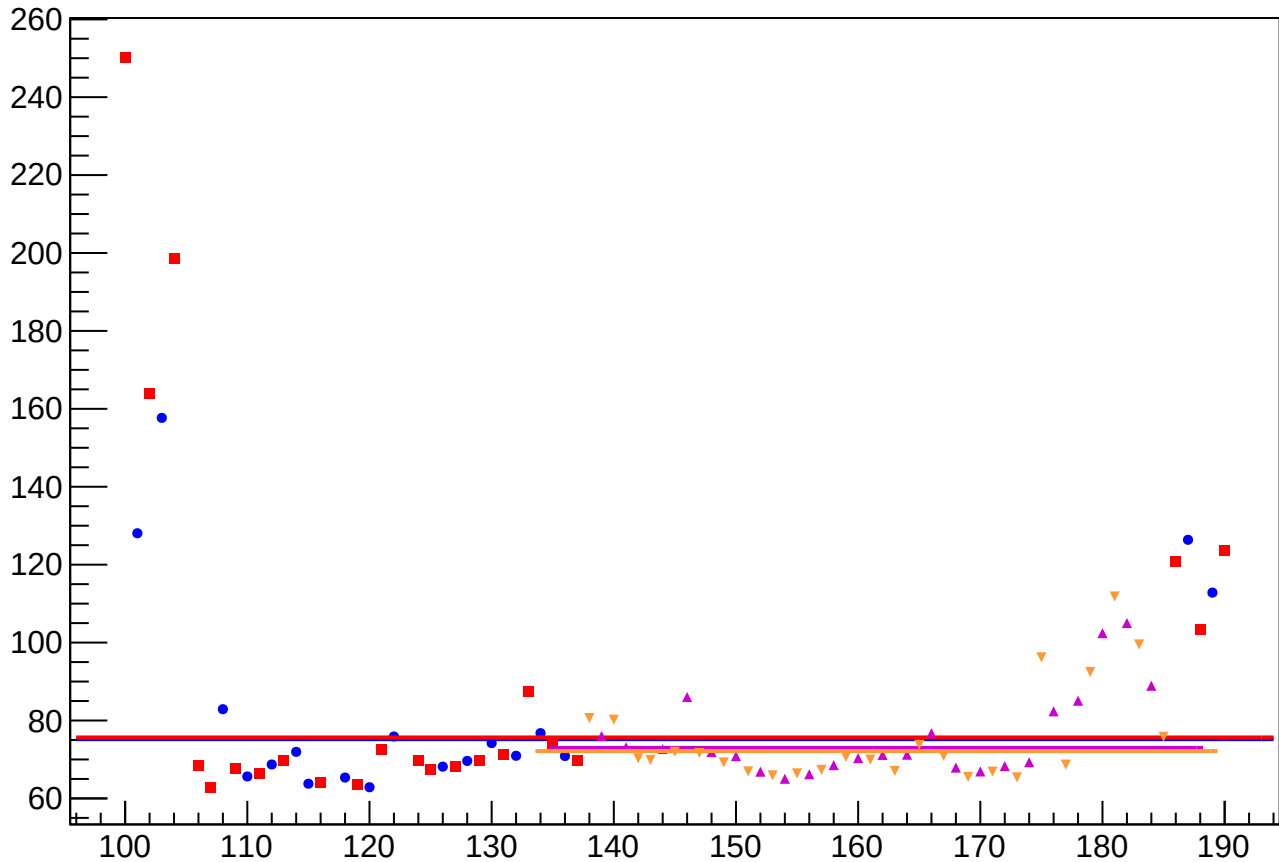
Left In: -103.363 $\pm$ 17.260 χ^2/NDF :32.7/22

+ sign 57.954 $\pm$ 14.230 χ^2/NDF : 57.1/42

All: -0.758 $\pm$ 10.119 χ^2/NDF : 182.4/87

- sign -60.825 $\pm$ 14.393 χ^2/NDF : 90.8/44

dit_asym_sam7_rms vs Slug



Right In: 75.209+/-0.019 χ^2/NDF : 841383.9/17

Left Out: 72.150+/-0.012 χ^2/NDF : 641970.1/24

Right Out: 75.650+/-0.018 χ^2/NDF : 1342751.7/21

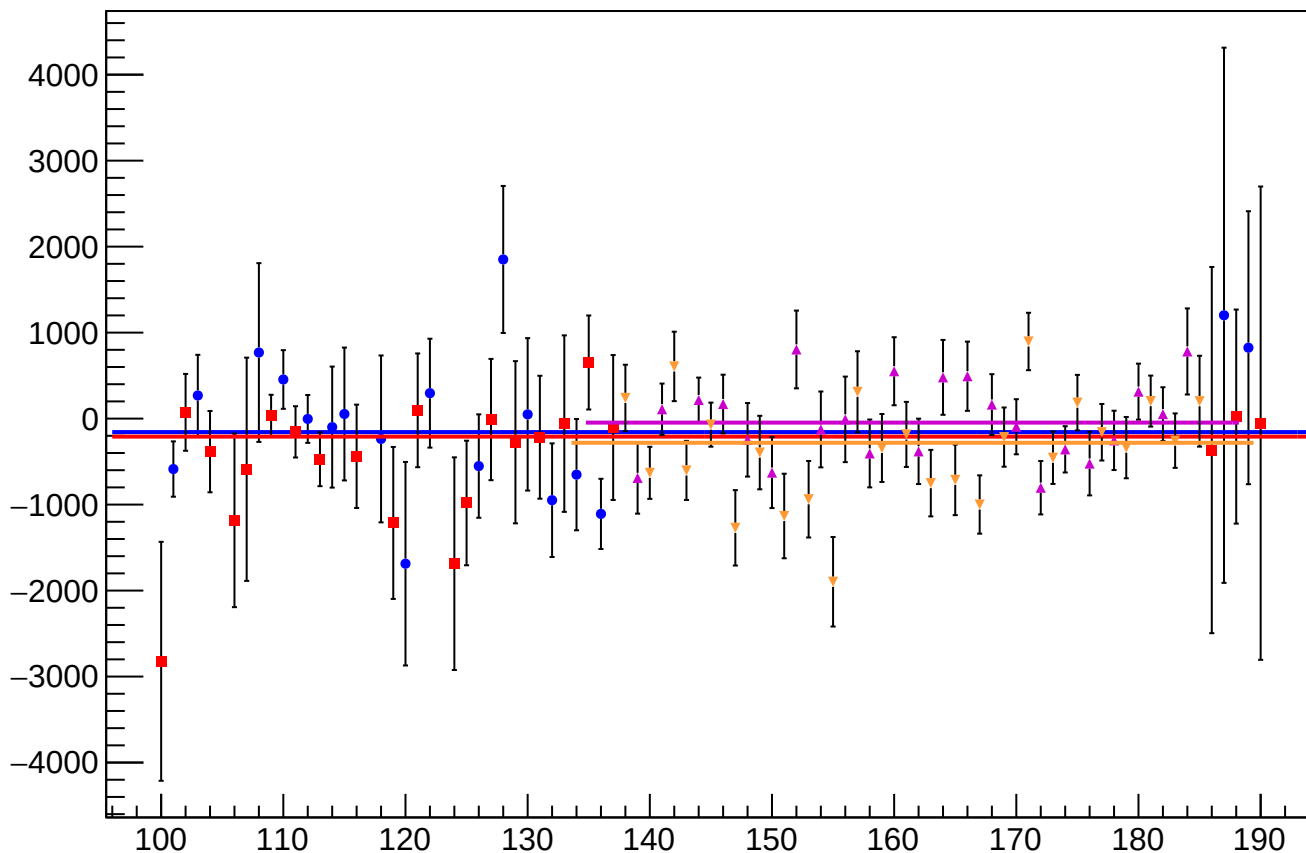
Left In: 72.948+/-0.012 χ^2/NDF : 509028.0/22

+ sign 72.968+/-0.010 χ^2/NDF : 1501467.8/42

All: 73.365+/-0.007 χ^2/NDF : 3371322.3/87

- sign 73.771+/-0.010 χ^2/NDF : 1866703.4/44

asym_sam7_dit_correction_mean vs Slug



Right In: -156.762 ± 127.911 $\chi^2/\text{NDF}: 23.2/17$

Left Out: -281.205 ± 72.538 $\chi^2/\text{NDF}: 56.8/24$

Right Out: -209.380 ± 119.266 $\chi^2/\text{NDF}: 13.7/21$

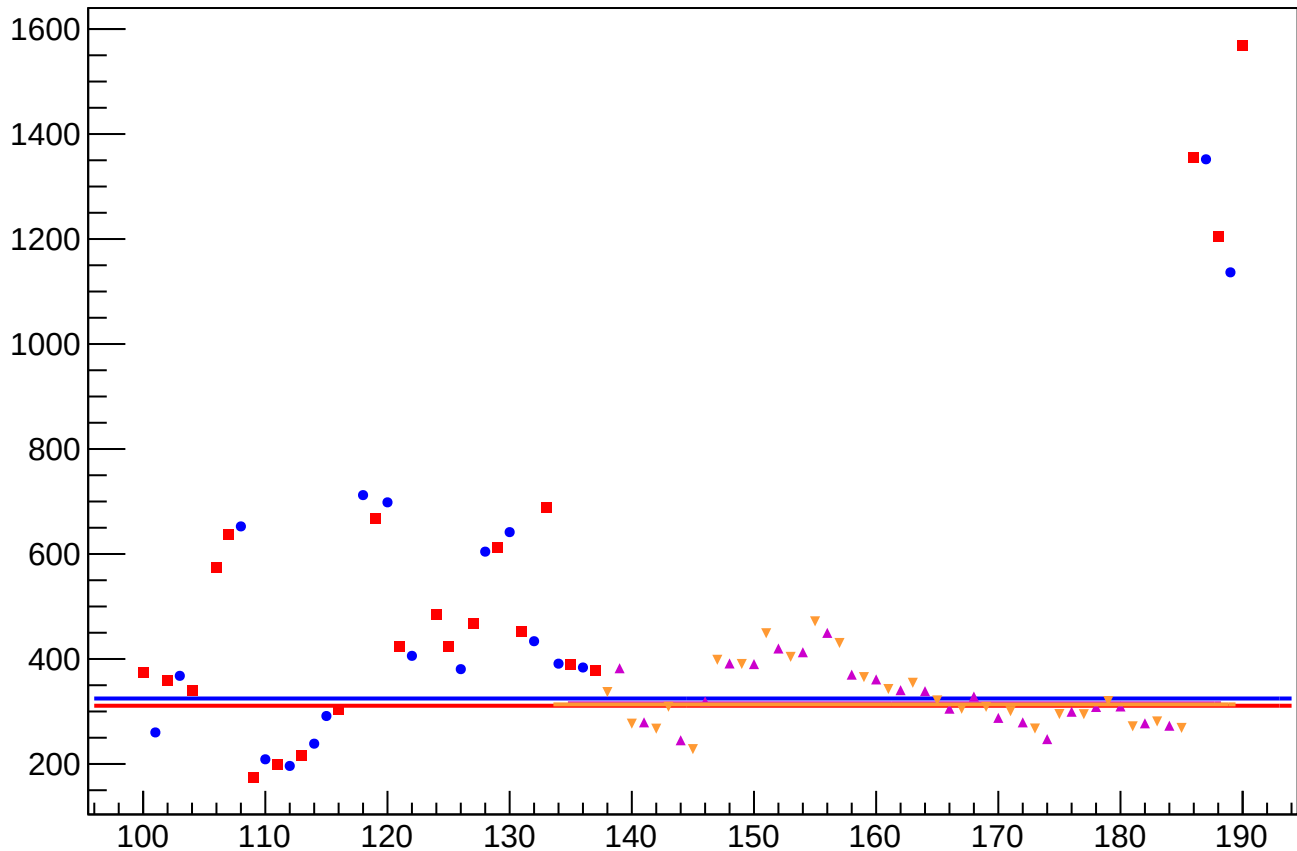
Left In: -46.569 ± 74.897 $\chi^2/\text{NDF}: 30.7/22$

+ sign -250.923 ± 63.098 $\chi^2/\text{NDF}: 80.7/42$

All: -172.182 ± 44.733 $\chi^2/\text{NDF}: 129.6/87$

- sign -92.616 ± 63.427 $\chi^2/\text{NDF}: 45.7/44$

asym_sam7_dit_correction_rms vs Slug



Right In: 324.728 $\pm$ 0.090 χ^2 /NDF: 2883157.4/17

Left Out: 313.500 $\pm$ 0.051 χ^2 /NDF:1175529.4/24

Right Out: 310.936 $\pm$ 0.084 χ^2 /NDF: 4499584.7/21

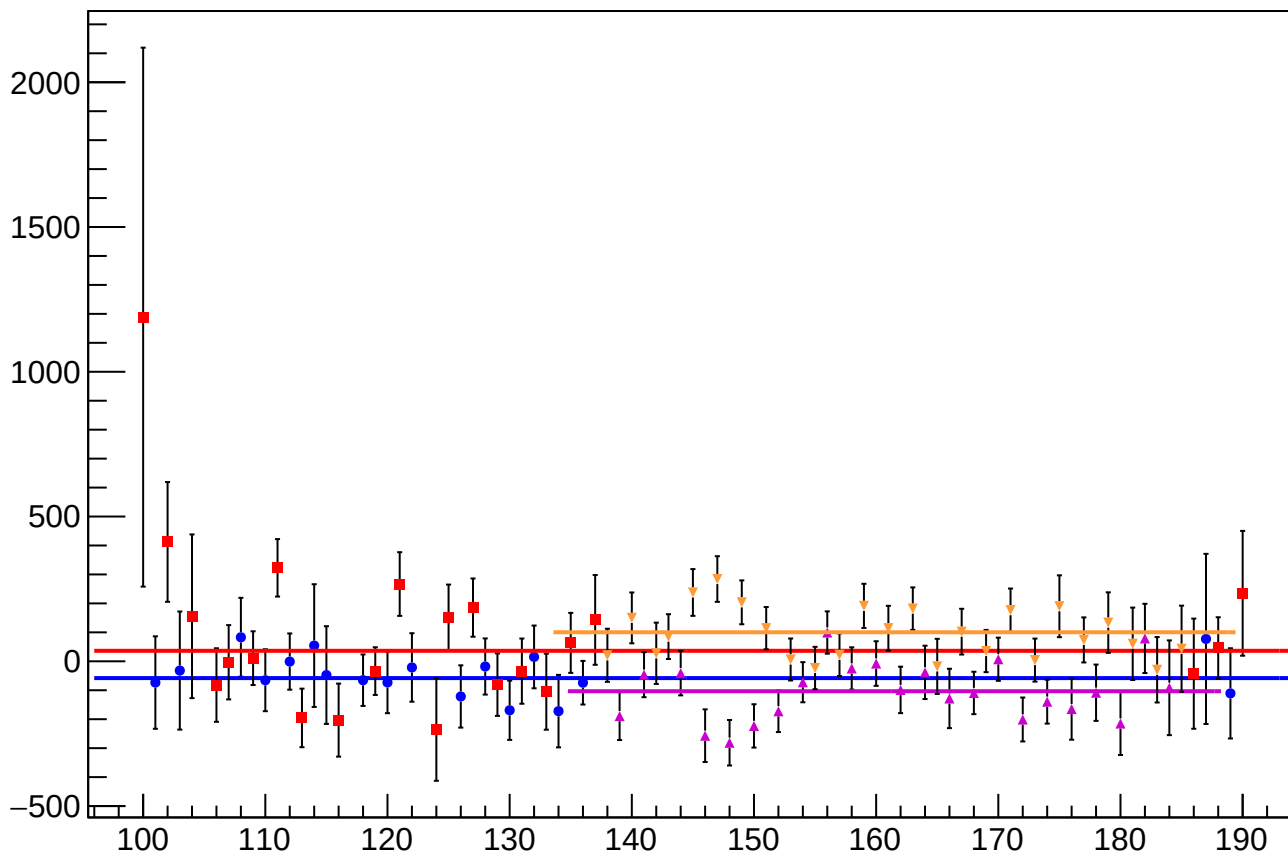
Left In: 315.455 $\pm$ 0.053 χ^2 /NDF:1008523.1/22

+ sign 316.232 $\pm$ 0.045 χ^2 /NDF: 4070346.4/42

All: 315.210 $\pm$ 0.032 χ^2 /NDF: 9581569.0/87

- sign 314.177 $\pm$ 0.045 χ^2 /NDF: 5510167.3/44

eigen_dit_asym_sam7_mean vs Slug



Right In: -58.011 ± 27.520 χ^2/NDF : 5.2/17

Left Out: 100.276 ± 16.625 χ^2/NDF : 27.7/24

Right Out: 36.272 ± 26.077 χ^2/NDF : 38.2/21

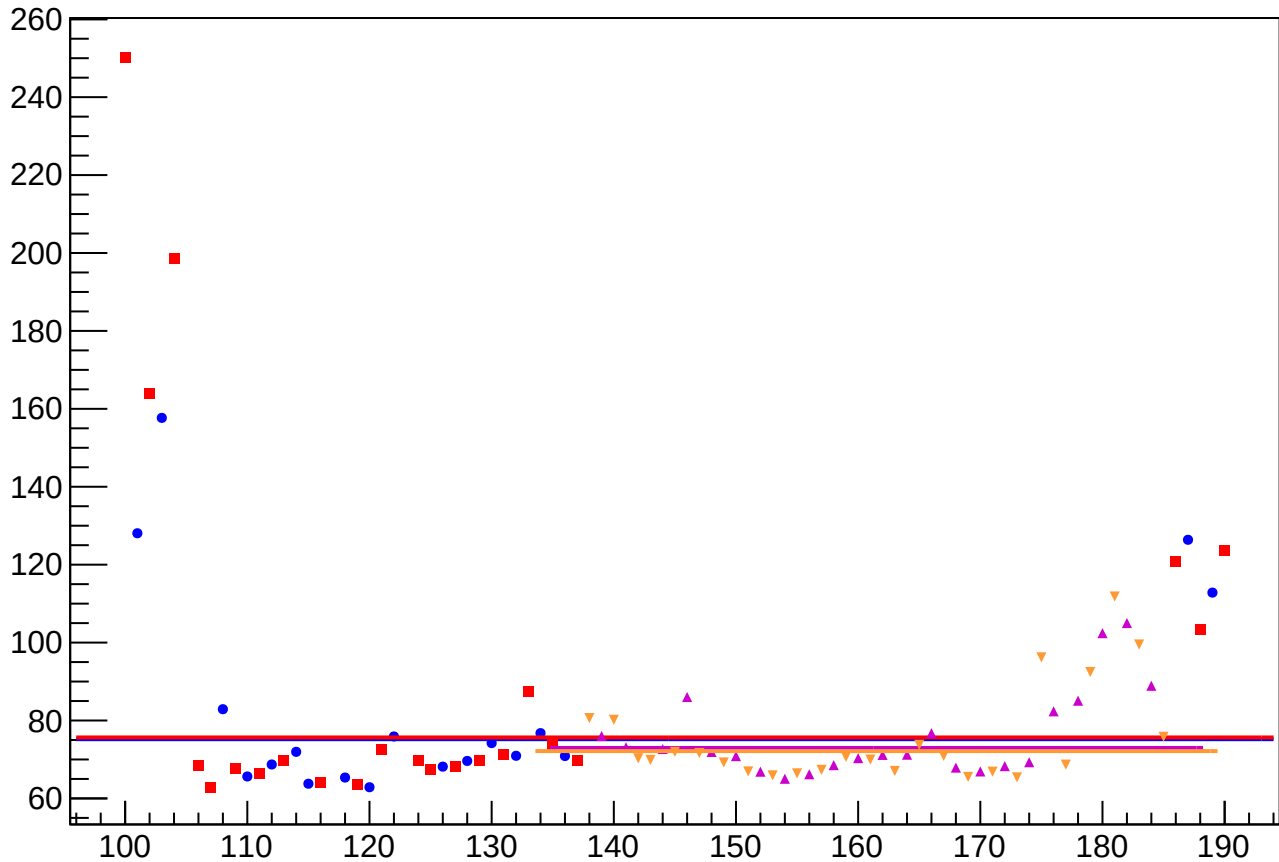
Left In: -103.363 ± 17.260 χ^2/NDF : 32.7/22

+ sign 57.954 ± 14.230 χ^2/NDF : 57.1/42

All: -0.758 ± 10.119 χ^2/NDF : 182.4/87

- sign -60.824 ± 14.393 χ^2/NDF : 90.8/44

eigen_dit_asym_sam7_rms vs Slug



Right In: 75.209+/-0.019 χ^2/NDF : 841388.6/17

Left Out: 72.150+/-0.012 χ^2/NDF : 641967.4/24

Right Out: 75.649+/-0.018 χ^2/NDF : 1342750.9/21

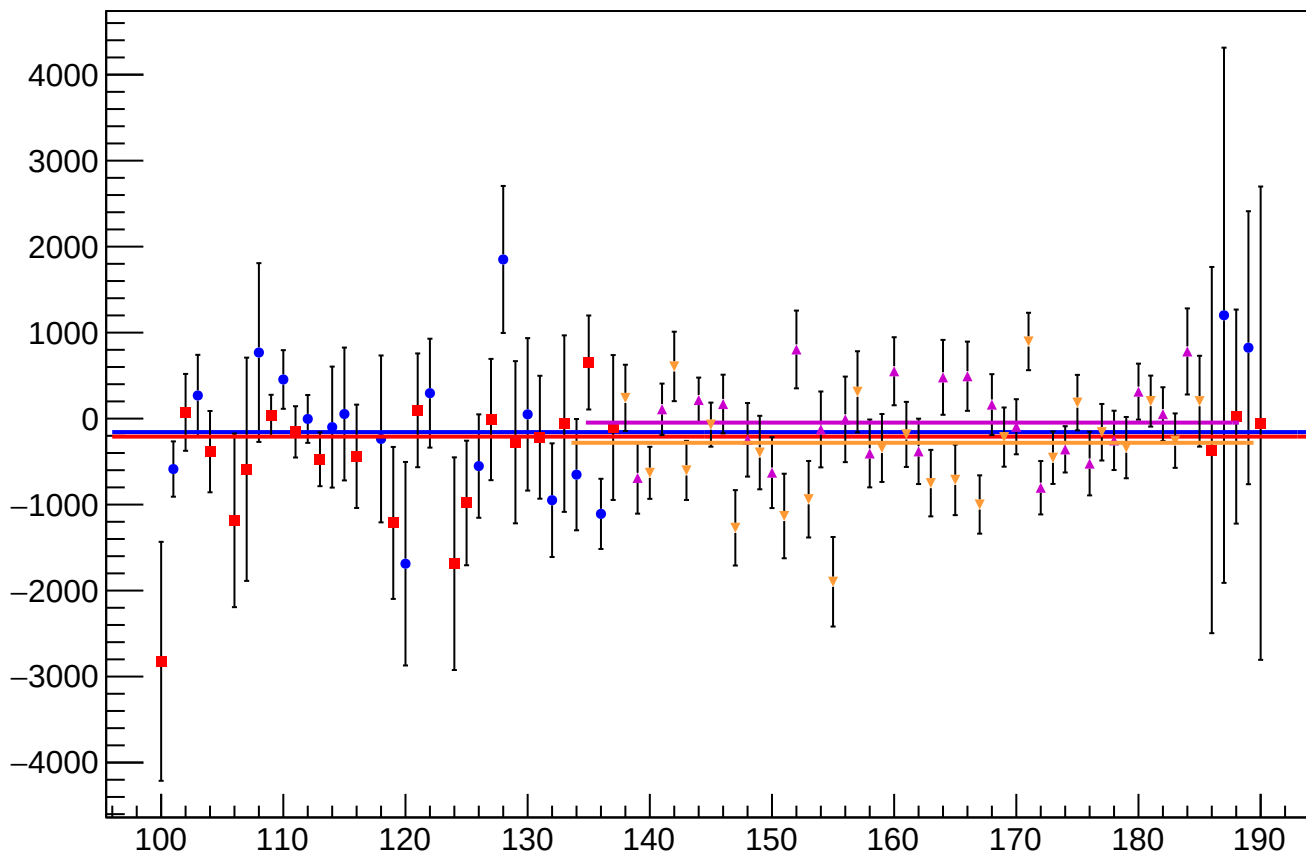
Left In: 72.948+/-0.012 χ^2/NDF : 509028.7/22

+ sign 72.968+/-0.010 χ^2/NDF : 1501468.1/42

All: 73.365+/-0.007 χ^2/NDF : 3371321.1/87

- sign 73.771+/-0.010 χ^2/NDF : 1866701.8/44

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -156.761 ± 127.910 $\chi^2/\text{NDF}: 23.2/17$

Left Out: -281.205 ± 72.538 $\chi^2/\text{NDF}: 56.8/24$

Right Out: -209.379 ± 119.266 $\chi^2/\text{NDF}: 13.7/21$

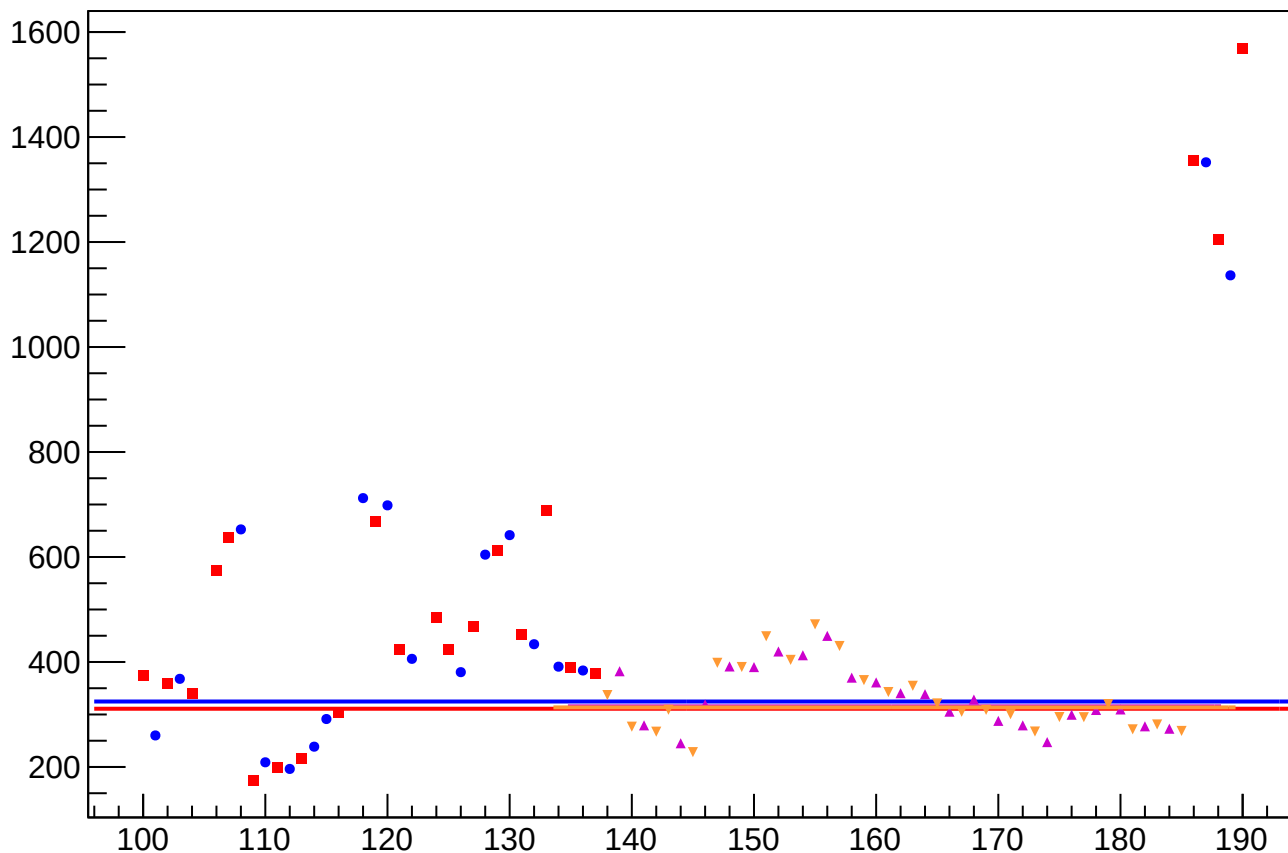
Left In: -46.569 ± 74.897 $\chi^2/\text{NDF}: 30.7/22$

+ sign -250.922 ± 63.098 $\chi^2/\text{NDF}: 80.7/42$

All: -172.182 ± 44.733 $\chi^2/\text{NDF}: 129.6/87$

- sign -92.616 ± 63.427 $\chi^2/\text{NDF}: 45.7/44$

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 324.725+/-0.090 χ^2/NDF : 2883192.6/17

Left Out: 313.500+/-0.051 χ^2/NDF : 1175534.8/24

Right Out: 310.934+/-0.084 χ^2/NDF : 4499601.0/21

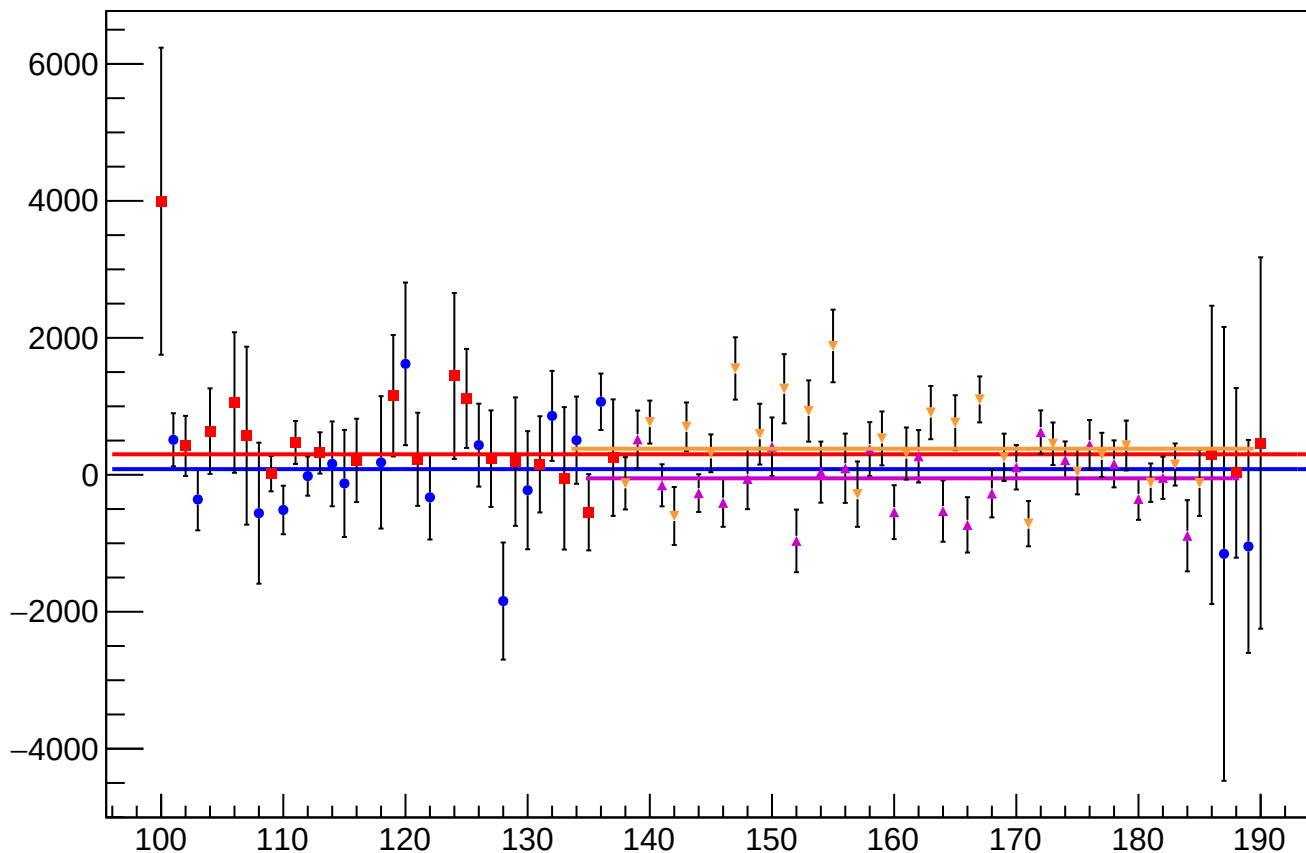
Left In: 315.456+/-0.053 χ^2/NDF : 1008521.8/22

+ sign 316.232+/-0.045 χ^2/NDF : 4070381.7/42

All: 315.210+/-0.032 χ^2/NDF : 9581620.7/87

- sign 314.177+/-0.045 χ^2/NDF : 5510184.0/44

asym_sam7_mean vs Slug



Right In: 82.721 ± 131.352 $\chi^2/\text{NDF}: 21.5/17$

Left Out: 380.624 ± 73.057 $\chi^2/\text{NDF}: 55.4/24$

Right Out: 299.870 ± 122.978 $\chi^2/\text{NDF}: 10.9/21$

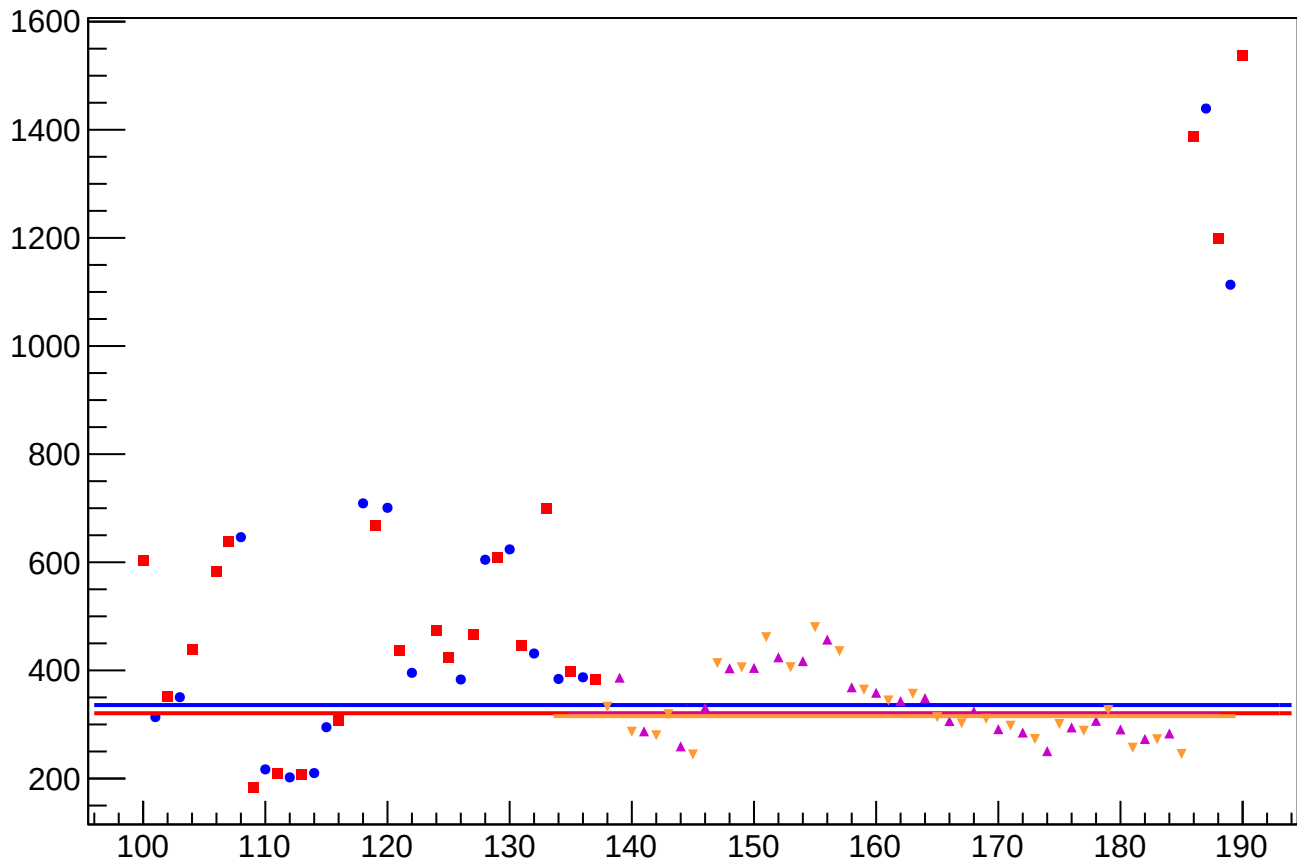
Left In: -51.474 ± 75.629 $\chi^2/\text{NDF}: 28.2/22$

+ sign 310.241 ± 63.846 $\chi^2/\text{NDF}: 80.9/42$

All: 178.783 ± 45.348 $\chi^2/\text{NDF}: 134.4/87$

- sign 44.941 ± 64.422 $\chi^2/\text{NDF}: 45.0/44$

asym_sam7_rms vs Slug



Right In: 335.909 $\pm$ 0.093 χ^2 /NDF: 2686550.2/17

Left Out: 315.396 $\pm$ 0.052 χ^2 /NDF:1210106.0/24

Right Out: 320.768 $\pm$ 0.087 χ^2 /NDF: 4443571.2/21

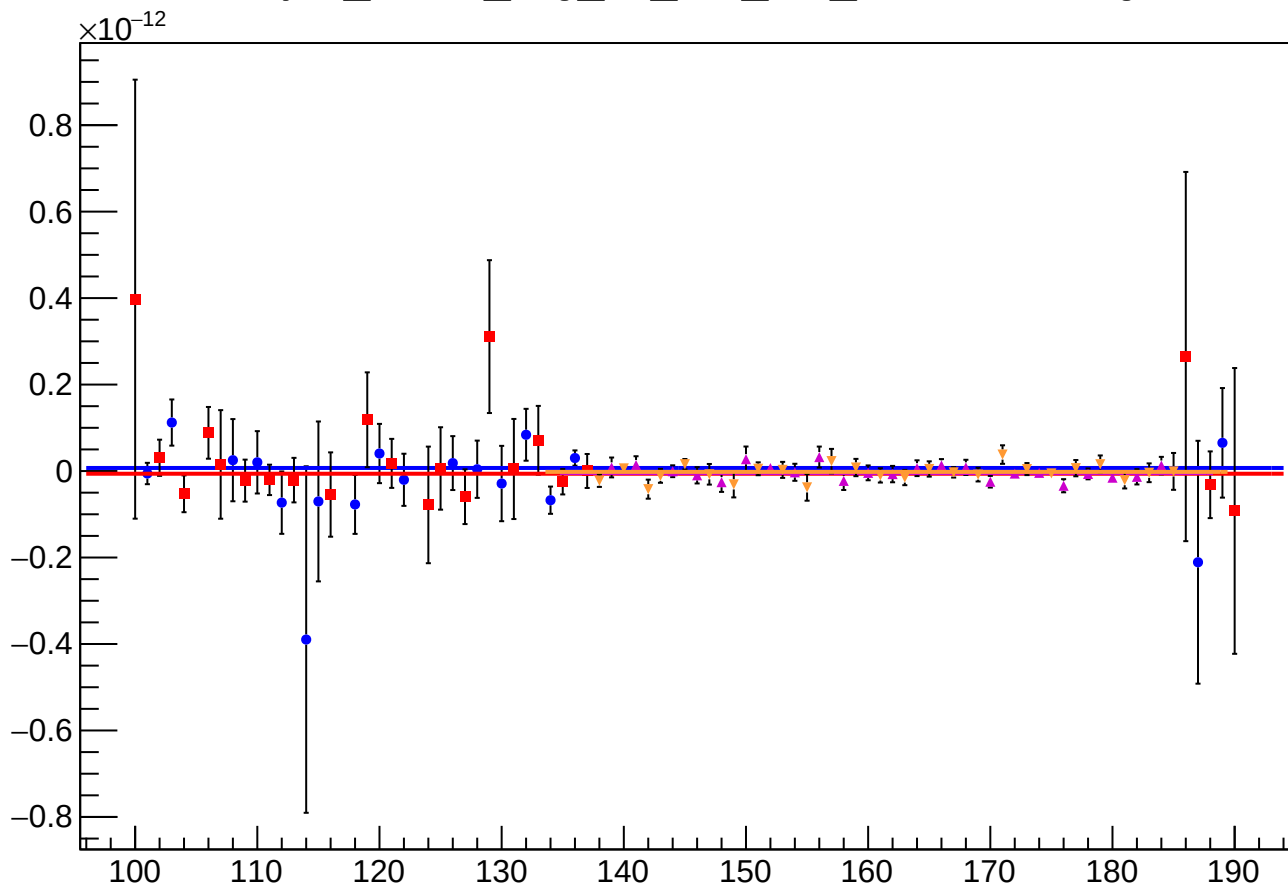
Left In: 318.688 $\pm$ 0.053 χ^2 /NDF:991604.7/22

+ sign 320.242 $\pm$ 0.045 χ^2 /NDF: 3933912.0/42

All: 319.755 $\pm$ 0.032 χ^2 /NDF: 9369737.9/87

- sign 319.259 $\pm$ 0.046 χ^2 /NDF: 5435590.9/44

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 13.4/21

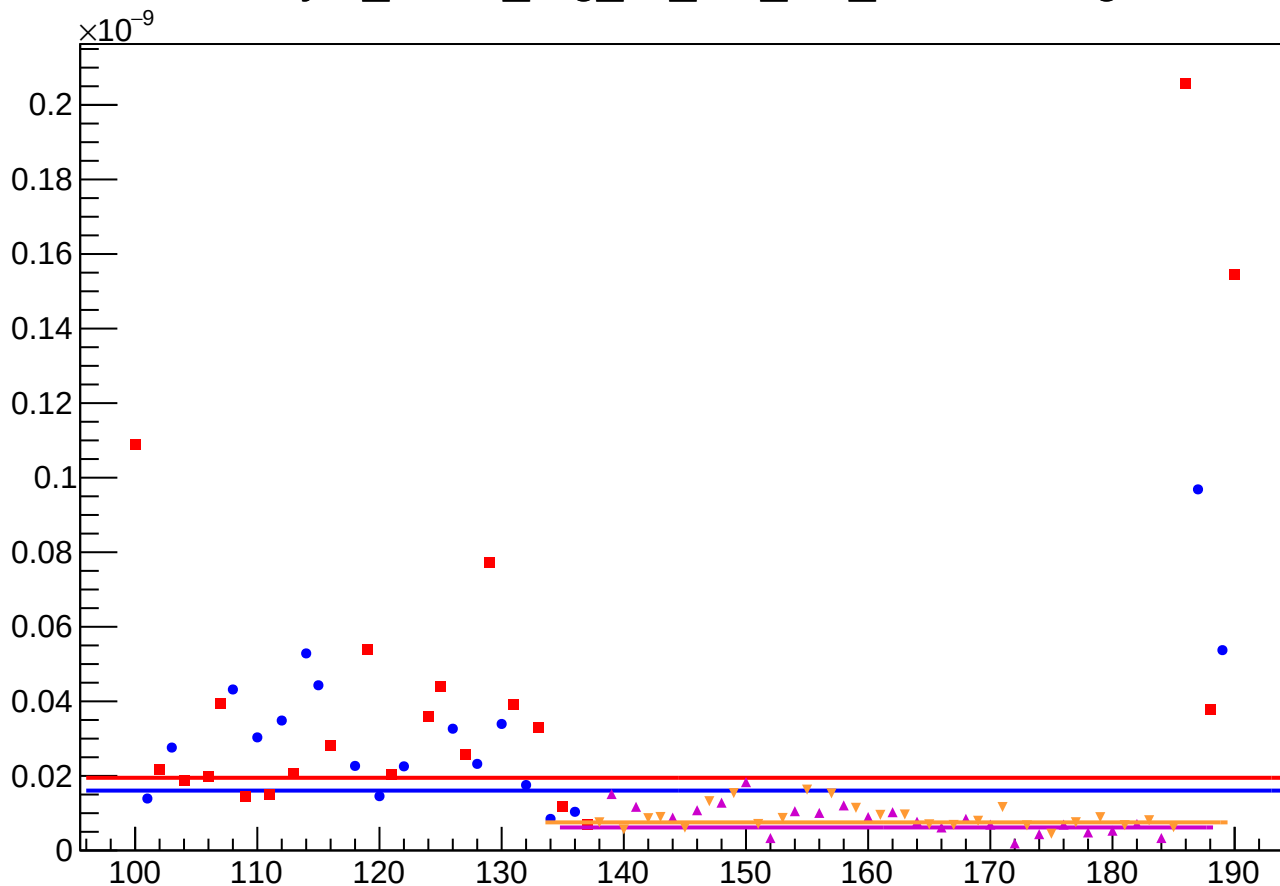
Left In: -0.000 ± 0.000 χ^2/NDF : 17.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 38.1/42

All: -0.000 ± 0.000 χ^2/NDF : 69.9/87

- sign -0.000 ± 0.000 χ^2/NDF : 31.1/44

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1509515.3/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 1208953.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 2066424.7/21

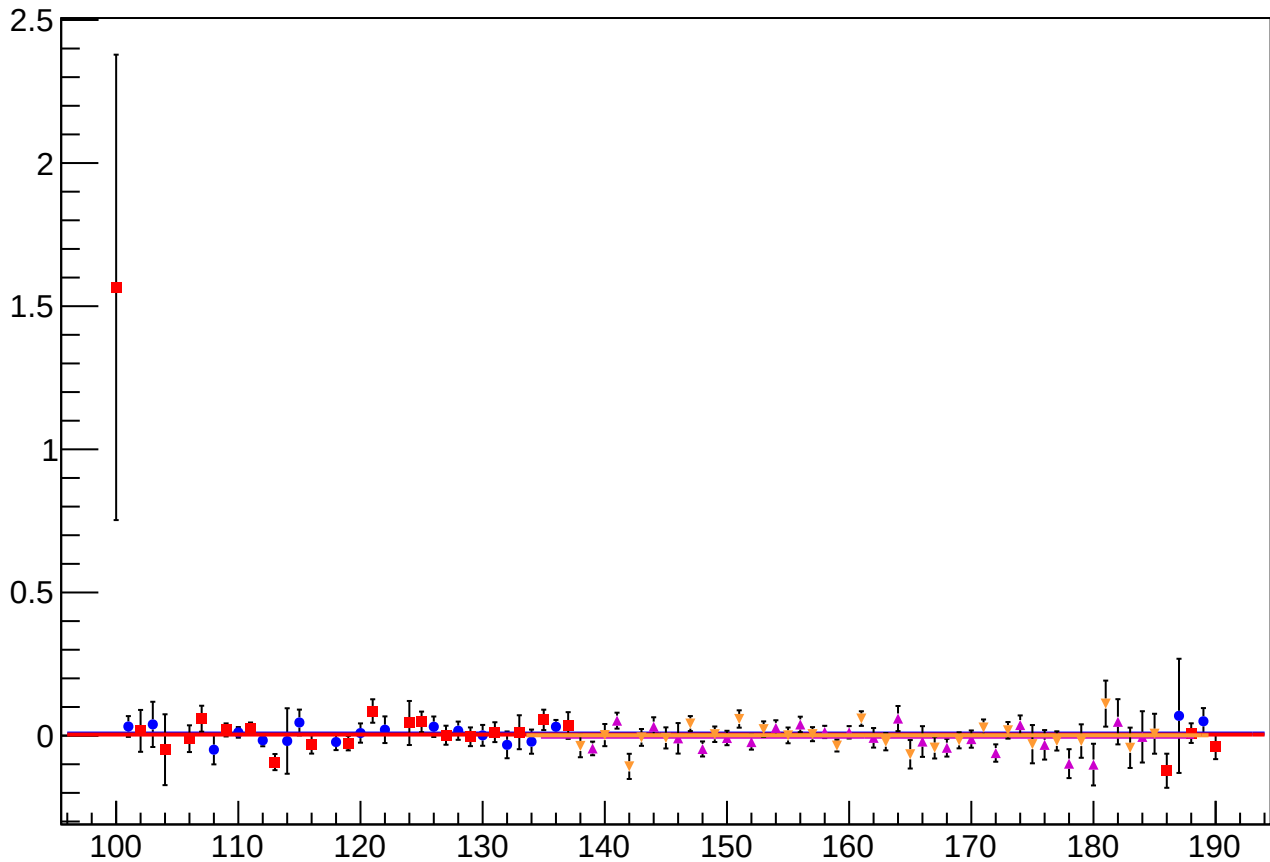
Left In: 0.000 ± 0.000 χ^2/NDF : 2784673.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 3842655.5/42

All: 0.000 ± 0.000 χ^2/NDF : 10988937.6/87

- sign 0.000 ± 0.000 χ^2/NDF : 6951634.7/44

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 $\pm$ 0.008 χ^2/NDF : 8.9/17

Left Out: 0.001 $\pm$ 0.006 χ^2/NDF :30.3/24

Right Out: 0.004 $\pm$ 0.008 χ^2/NDF : 35.5/21

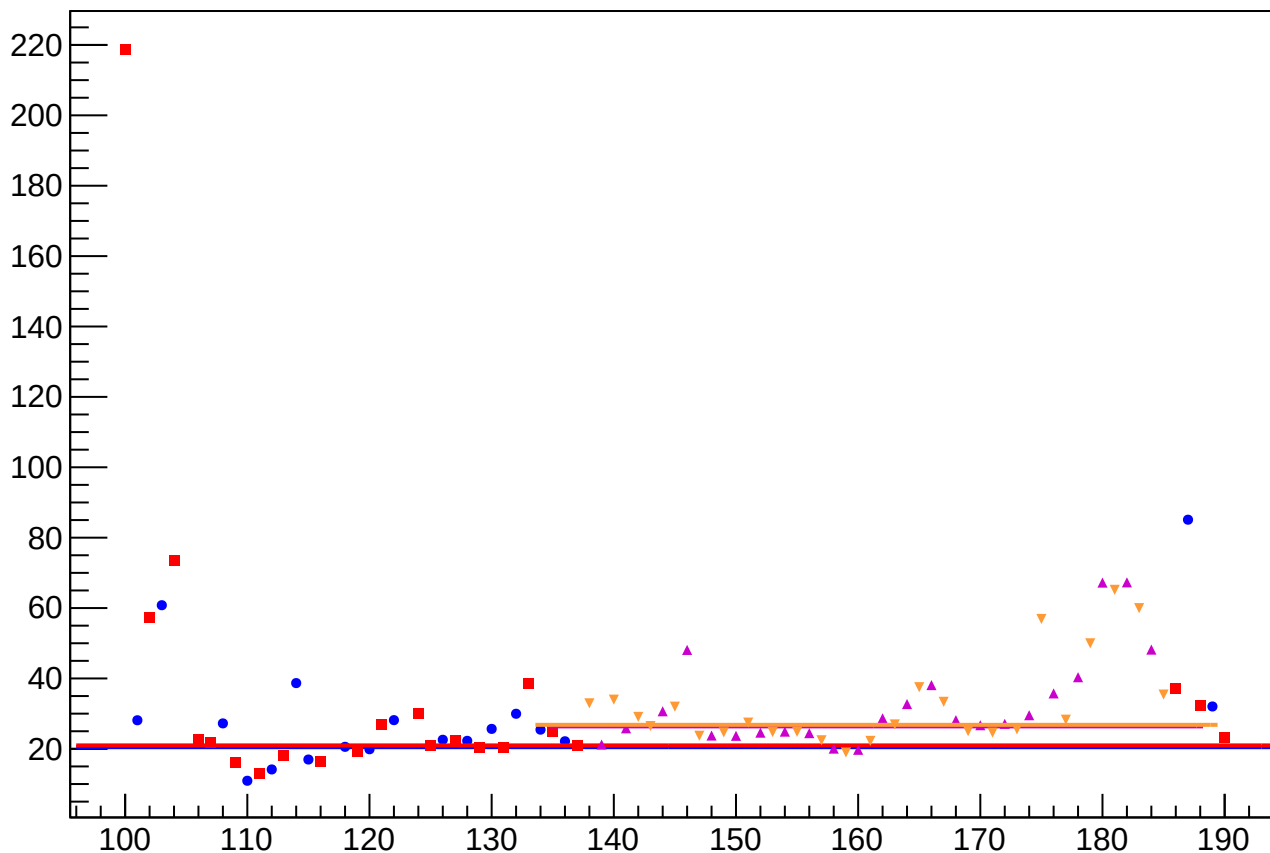
Left In: -0.004 $\pm$ 0.007 χ^2/NDF :31.1/22

+ sign 0.004 $\pm$ 0.005 χ^2/NDF : 39.5/42

All: 0.001 $\pm$ 0.004 χ^2/NDF : 107.1/87

- sign -0.001 $\pm$ 0.005 χ^2/NDF : 67.2/44

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.473 $\pm$ 0.006 χ^2/NDF : 1984569.0/17

Left Out: 26.820 $\pm$ 0.005 χ^2/NDF : 2469807.6/24

Right Out: 20.978 $\pm$ 0.005 χ^2/NDF : 2121200.2/21

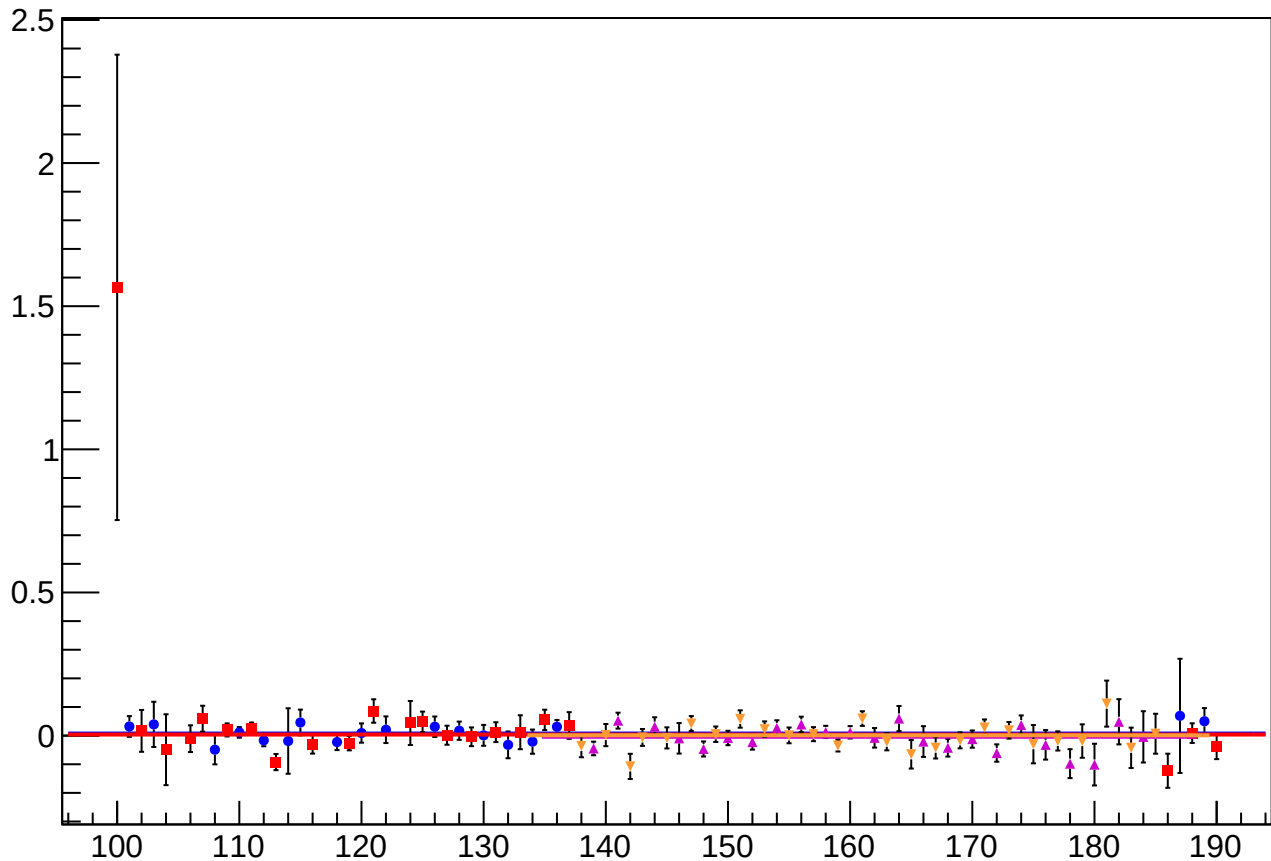
Left In: 26.376 $\pm$ 0.005 χ^2/NDF : 2566400.7/22

+ sign 24.313 $\pm$ 0.004 χ^2/NDF : 5209152.4/42

All: 24.197 $\pm$ 0.003 χ^2/NDF : 10466637.3/87

- sign 24.083 $\pm$ 0.004 χ^2/NDF : 5255406.3/44

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.008 χ^2/NDF : 8.9/17

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: 0.004 ± 0.008 χ^2/NDF : 35.5/21

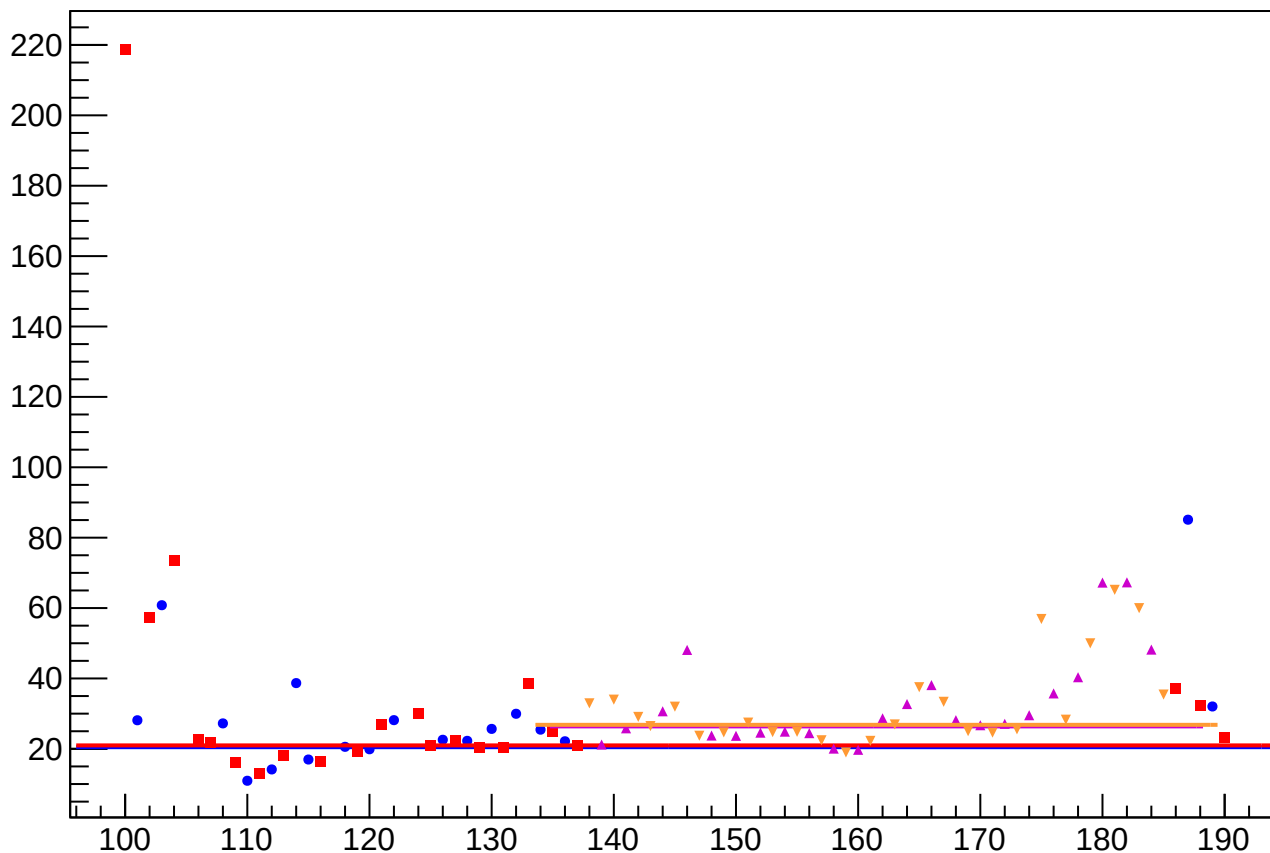
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign 0.004 ± 0.005 χ^2/NDF : 39.5/42

All: 0.001 ± 0.004 χ^2/NDF : 107.1/87

- sign -0.001 ± 0.005 χ^2/NDF : 67.2/44

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.473 $\pm$ 0.006 χ^2 /NDF: 1984569.0/17

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469807.6/24

Right Out: 20.978 $\pm$ 0.005 χ^2 /NDF: 2121200.2/21

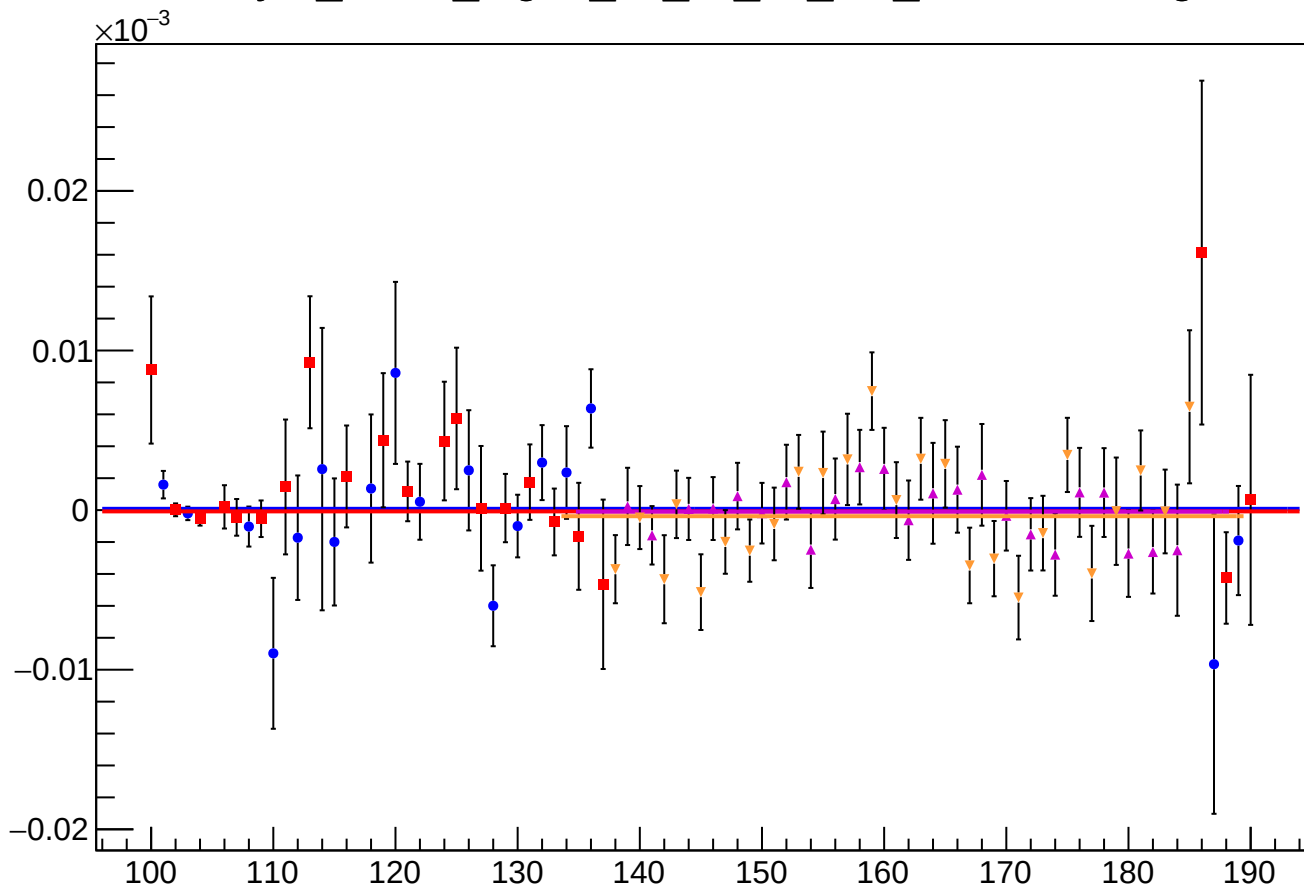
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566400.7/22

+ sign 24.313 $\pm$ 0.004 χ^2 /NDF: 5209152.4/42

All: 24.197 $\pm$ 0.003 χ^2 /NDF: 10466637.3/87

- sign 24.083 $\pm$ 0.004 χ^2 /NDF: 5255406.3/44

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 27.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 43.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.5/21

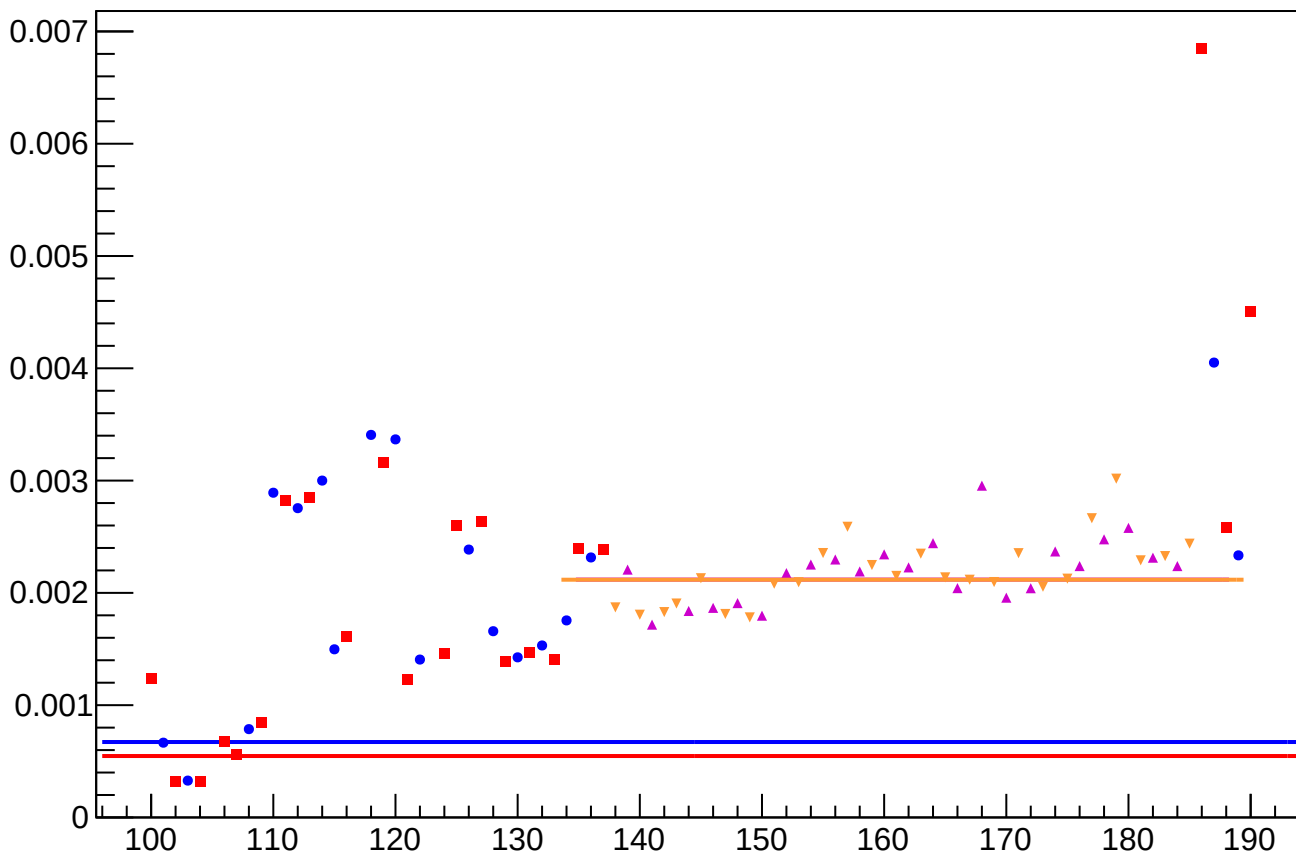
Left In: -0.000 ± 0.000 χ^2/NDF : 10.2/22

+ sign -0.000 ± 0.000 χ^2/NDF : 71.2/42

All: -0.000 ± 0.000 χ^2/NDF : 102.9/87

- sign -0.000 ± 0.000 χ^2/NDF : 31.7/44

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 7097056.4/17

Left Out: 0.002+/-0.000 χ^2/NDF : 578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF : 8898507.6/21

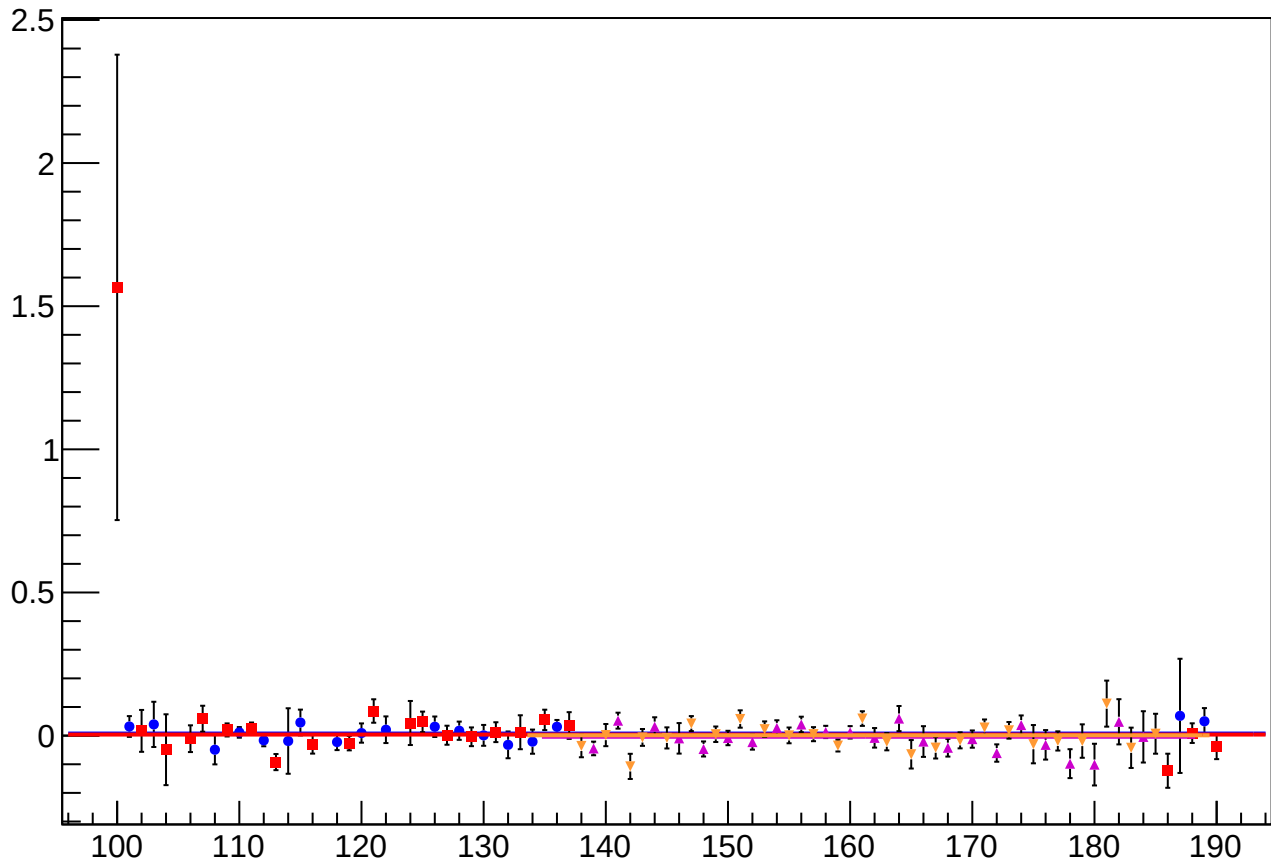
Left In: 0.002+/-0.000 χ^2/NDF : 588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 19730513.9/42

All: 0.001+/-0.000 χ^2/NDF : 45763736.7/87

- sign 0.001+/-0.000 χ^2/NDF : 25046482.3/44

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007 ± 0.008 χ^2/NDF : 8.9/17

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: 0.004 ± 0.008 χ^2/NDF : 35.5/21

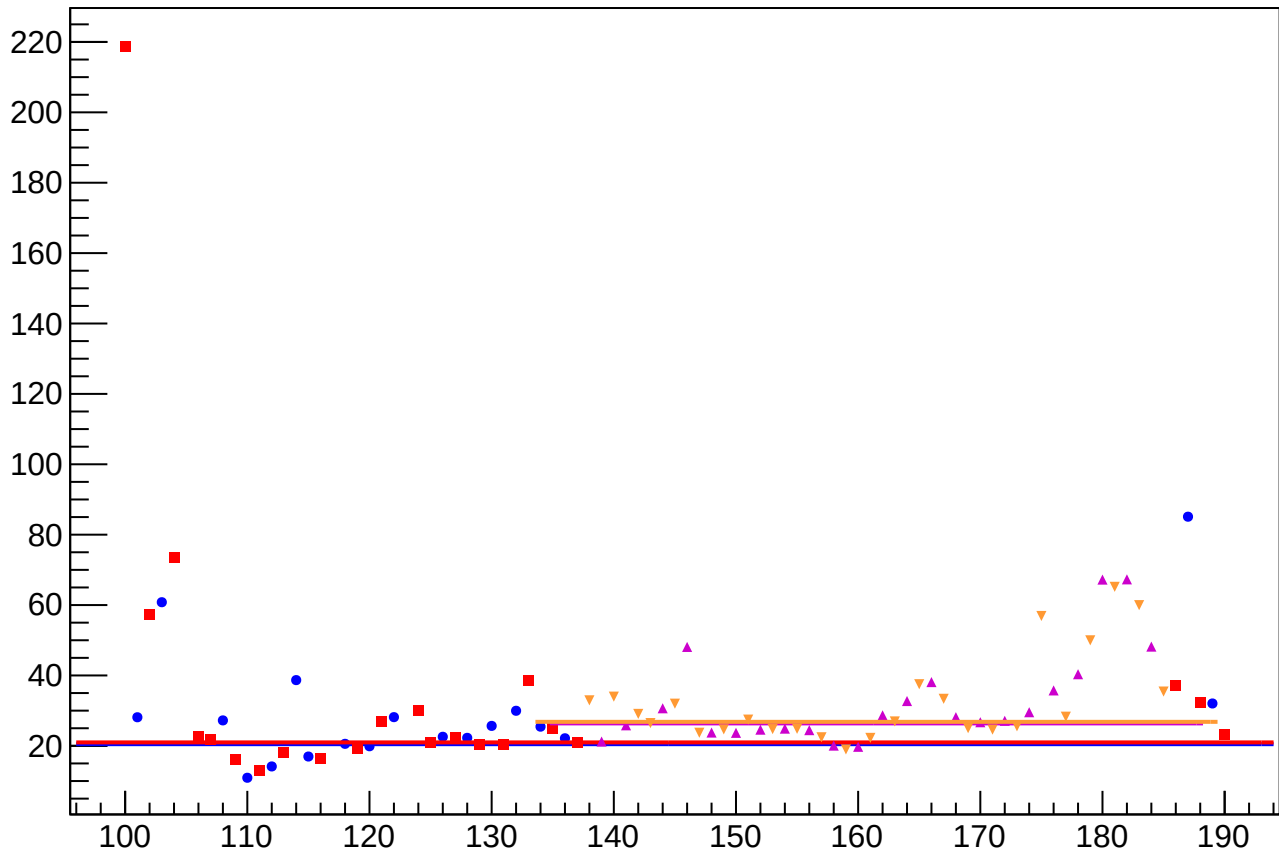
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign 0.004 ± 0.005 χ^2/NDF : 39.5/42

All: 0.001 ± 0.004 χ^2/NDF : 107.1/87

- sign -0.001 ± 0.005 χ^2/NDF : 67.2/44

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.473 $\pm$ 0.006 χ^2 /NDF: 1984390.3/17

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469855.0/24

Right Out: 20.978 $\pm$ 0.005 χ^2 /NDF: 2121091.9/21

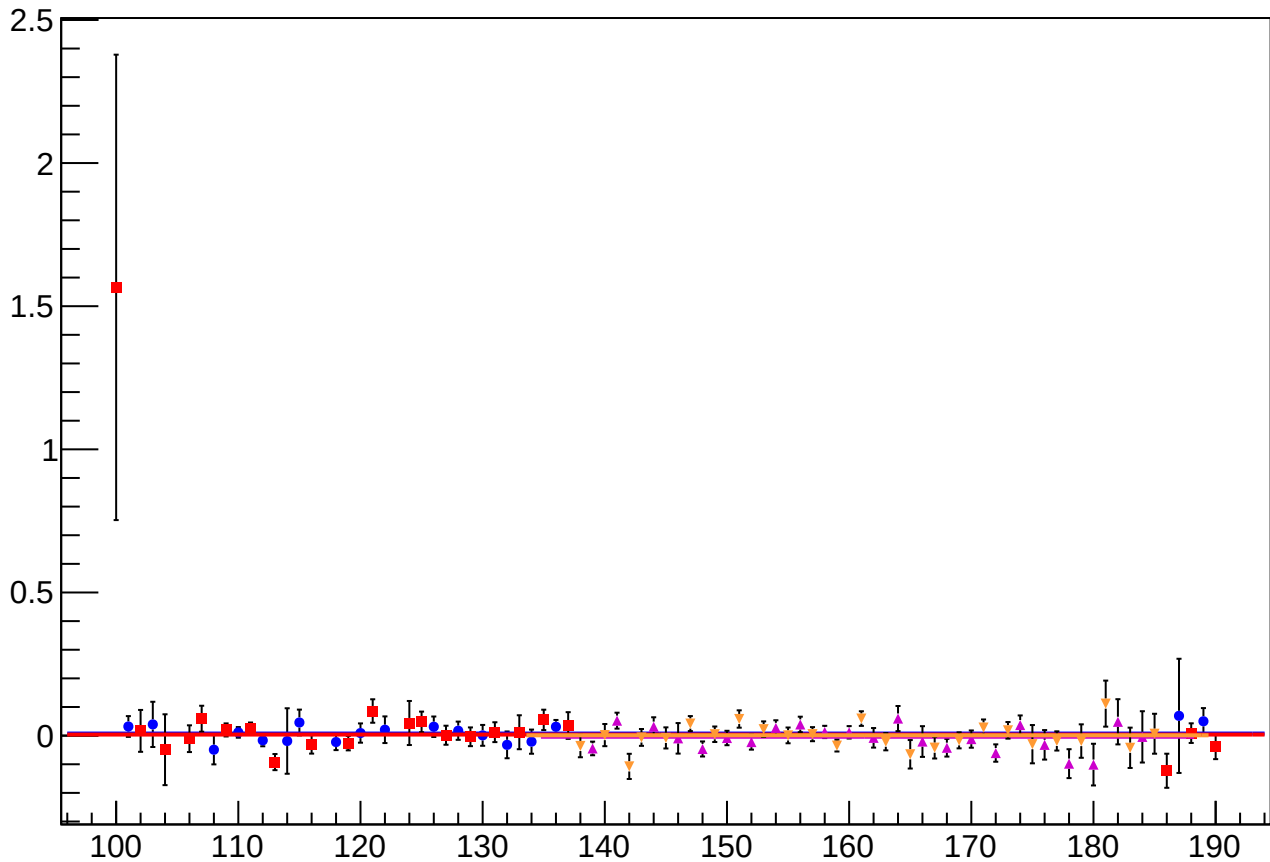
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566477.5/22

+ sign 24.313 $\pm$ 0.004 χ^2 /NDF: 5208898.8/42

All: 24.197 $\pm$ 0.003 χ^2 /NDF: 10466320.0/87

- sign 24.083 $\pm$ 0.004 χ^2 /NDF: 5255339.4/44

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007 ± 0.008 χ^2/NDF : 8.9/17

Left Out: 0.001 ± 0.006 χ^2/NDF : 30.3/24

Right Out: 0.004 ± 0.008 χ^2/NDF : 35.5/21

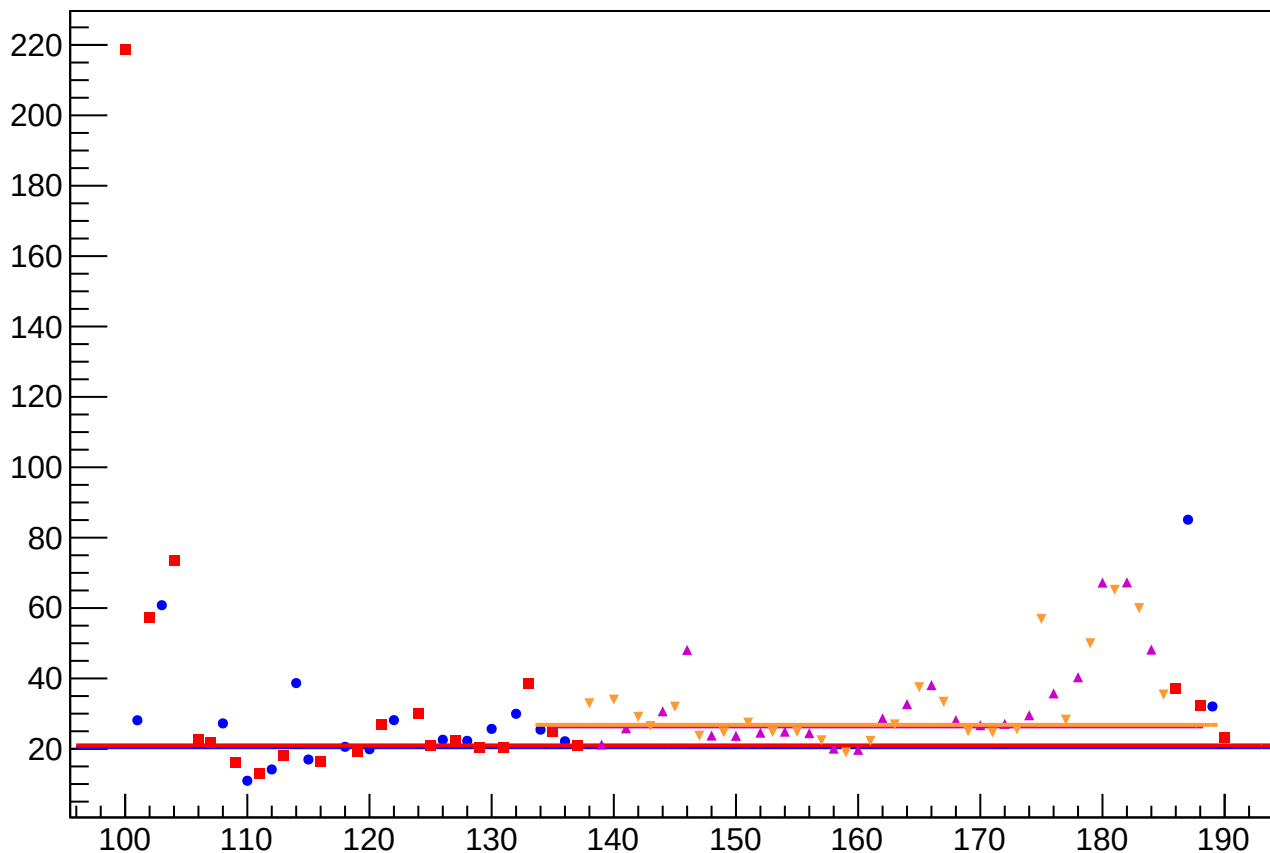
Left In: -0.004 ± 0.007 χ^2/NDF : 31.1/22

+ sign 0.004 ± 0.005 χ^2/NDF : 39.5/42

All: 0.001 ± 0.004 χ^2/NDF : 107.1/87

- sign -0.001 ± 0.005 χ^2/NDF : 67.2/44

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.473 $\pm$ 0.006 χ^2 /NDF: 1984390.3/17

Left Out: 26.820 $\pm$ 0.005 χ^2 /NDF: 2469855.0/24

Right Out: 20.978 $\pm$ 0.005 χ^2 /NDF: 2121091.9/21

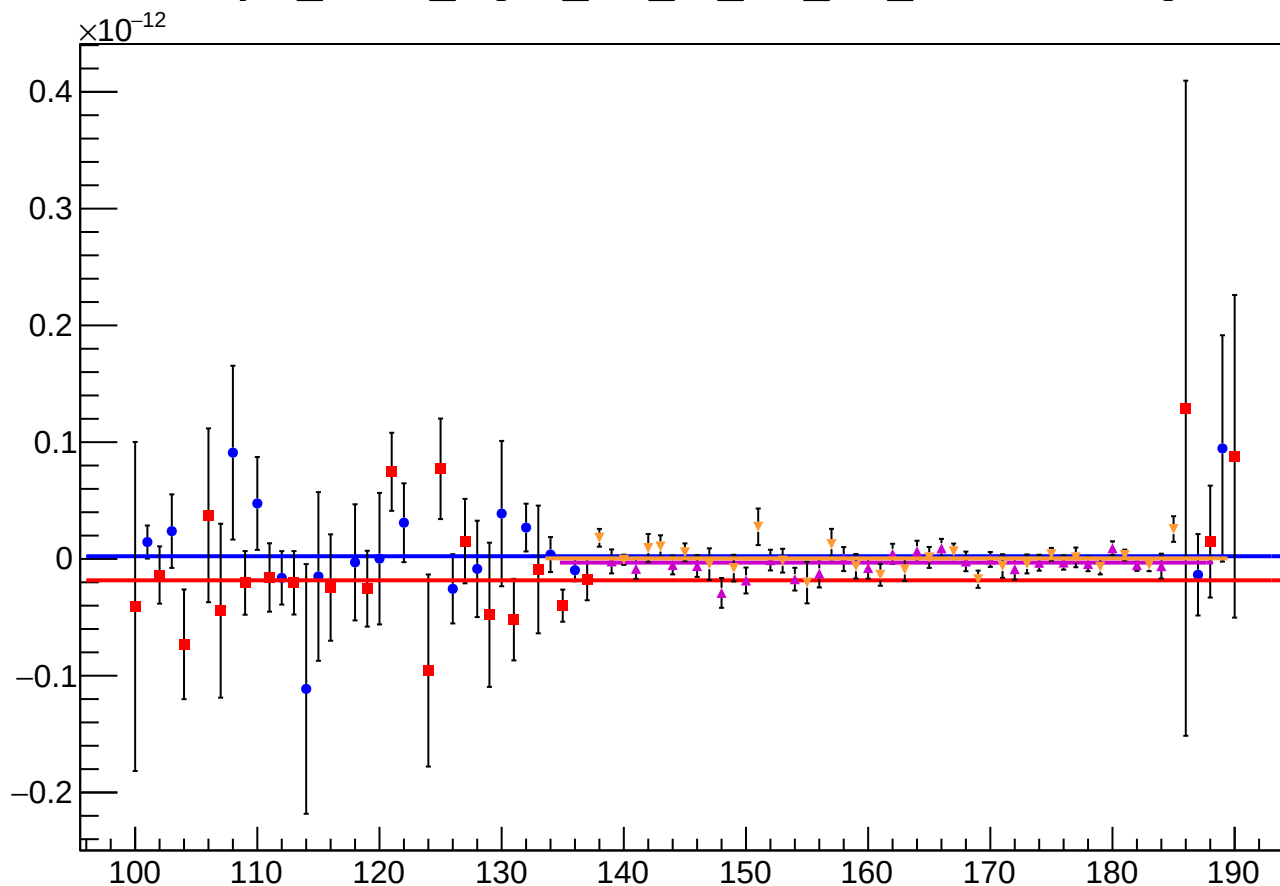
Left In: 26.376 $\pm$ 0.005 χ^2 /NDF: 2566477.5/22

+ sign 24.313 $\pm$ 0.004 χ^2 /NDF: 5208898.8/42

All: 24.197 $\pm$ 0.003 χ^2 /NDF: 10466320.0/87

- sign 24.083 $\pm$ 0.004 χ^2 /NDF: 5255339.4/44

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 12.0/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.6/21

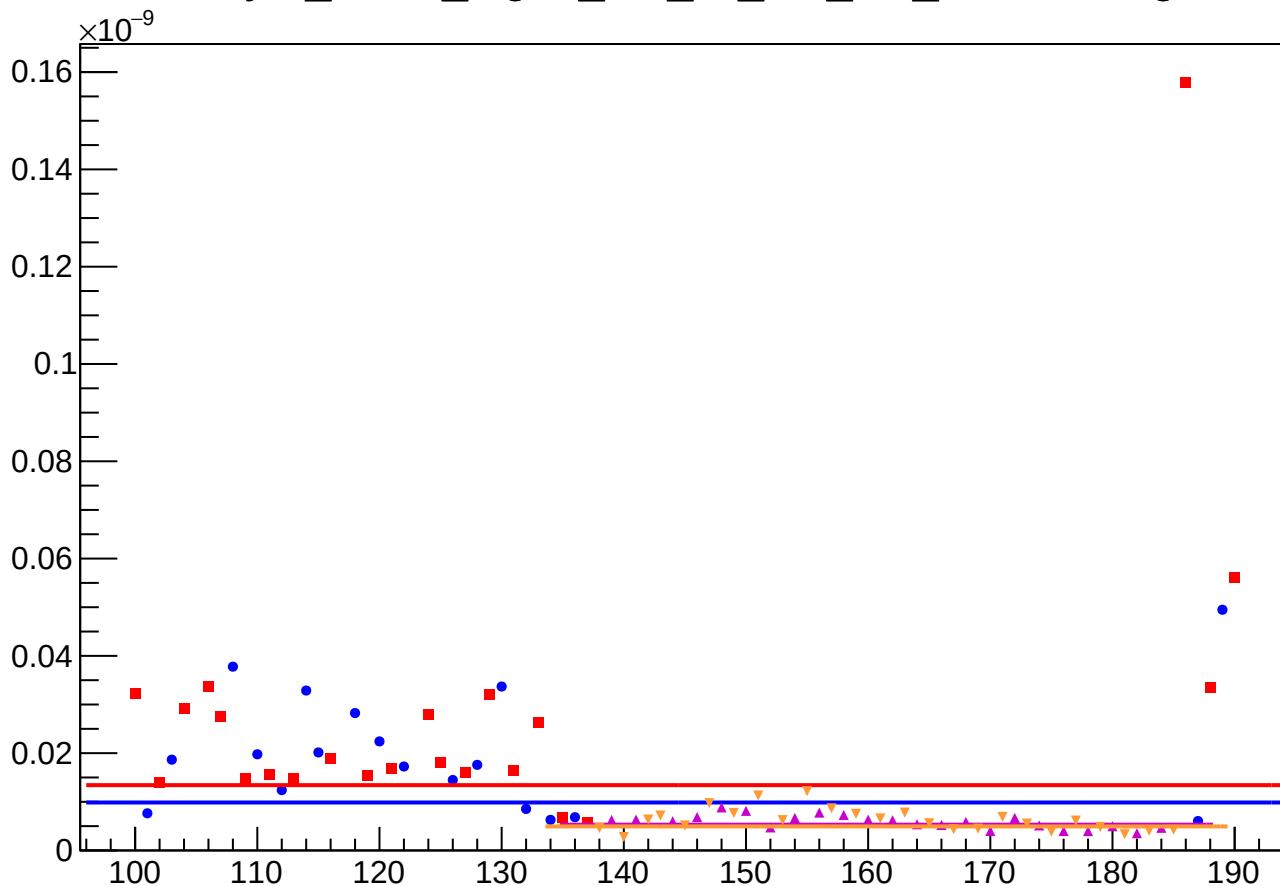
Left In: -0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 44.7/42

All: -0.000 ± 0.000 χ^2/NDF : 94.1/87

- sign -0.000 ± 0.000 χ^2/NDF : 45.2/44

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 2335286.6/17

Left Out: 0.000 +/- 0.000 χ^2/NDF : 2747591.8/24

Right Out: 0.000 +/- 0.000 χ^2/NDF : 2889162.6/21

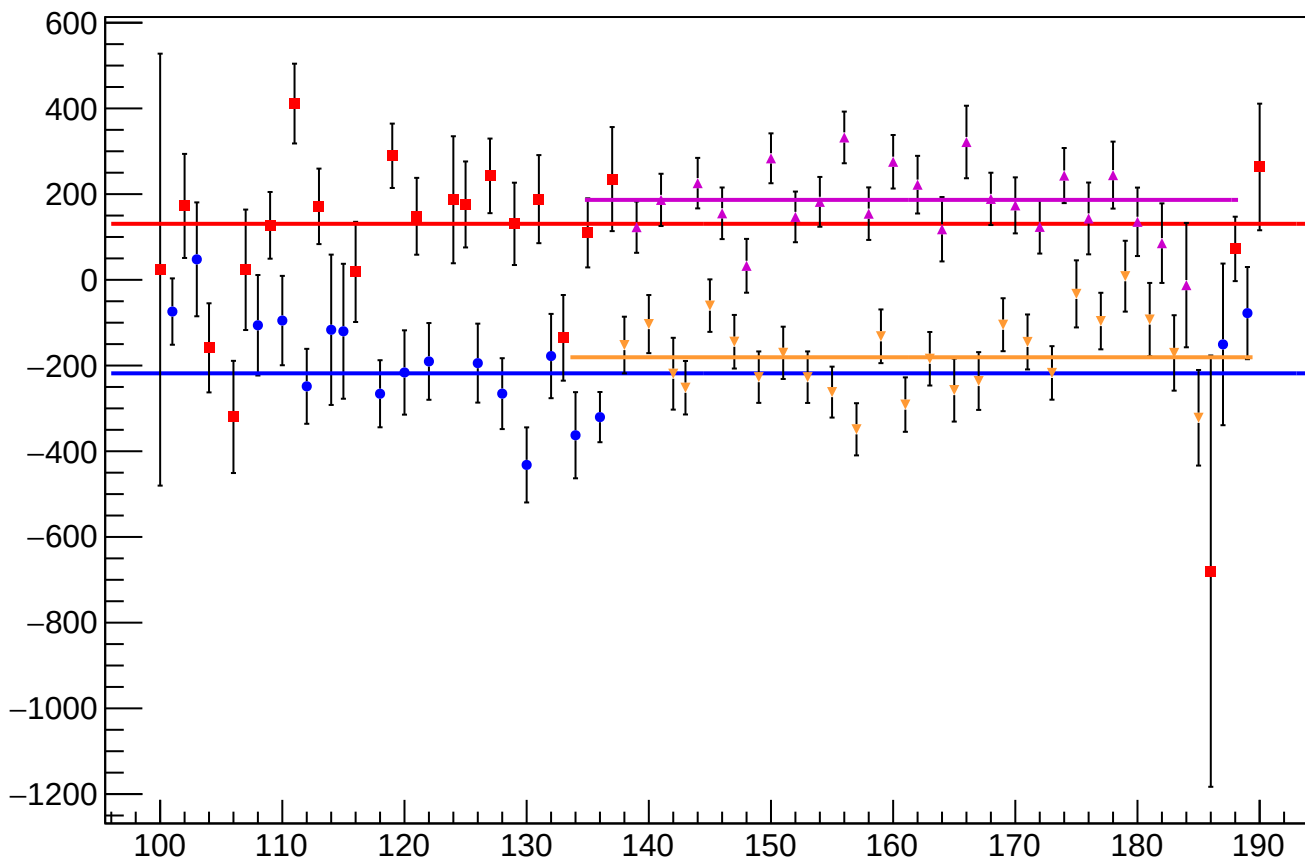
Left In: 0.000 +/- 0.000 χ^2/NDF : 1247237.9/22

+ sign 0.000 +/- 0.000 χ^2/NDF : 6499411.8/42

All: 0.000 +/- 0.000 χ^2/NDF : 13285461.3/87

- sign 0.000 +/- 0.000 χ^2/NDF : 6704145.9/44

reg_asym_sam8_mean vs Slug



Right In: -218.182 $\pm$ 22.442 χ^2 /NDF: 24.6/17

Left Out: -180.685 $\pm$ 13.419 χ^2 /NDF:38.6/24

Right Out: 130.734 $\pm$ 21.895 χ^2 /NDF: 49.3/21

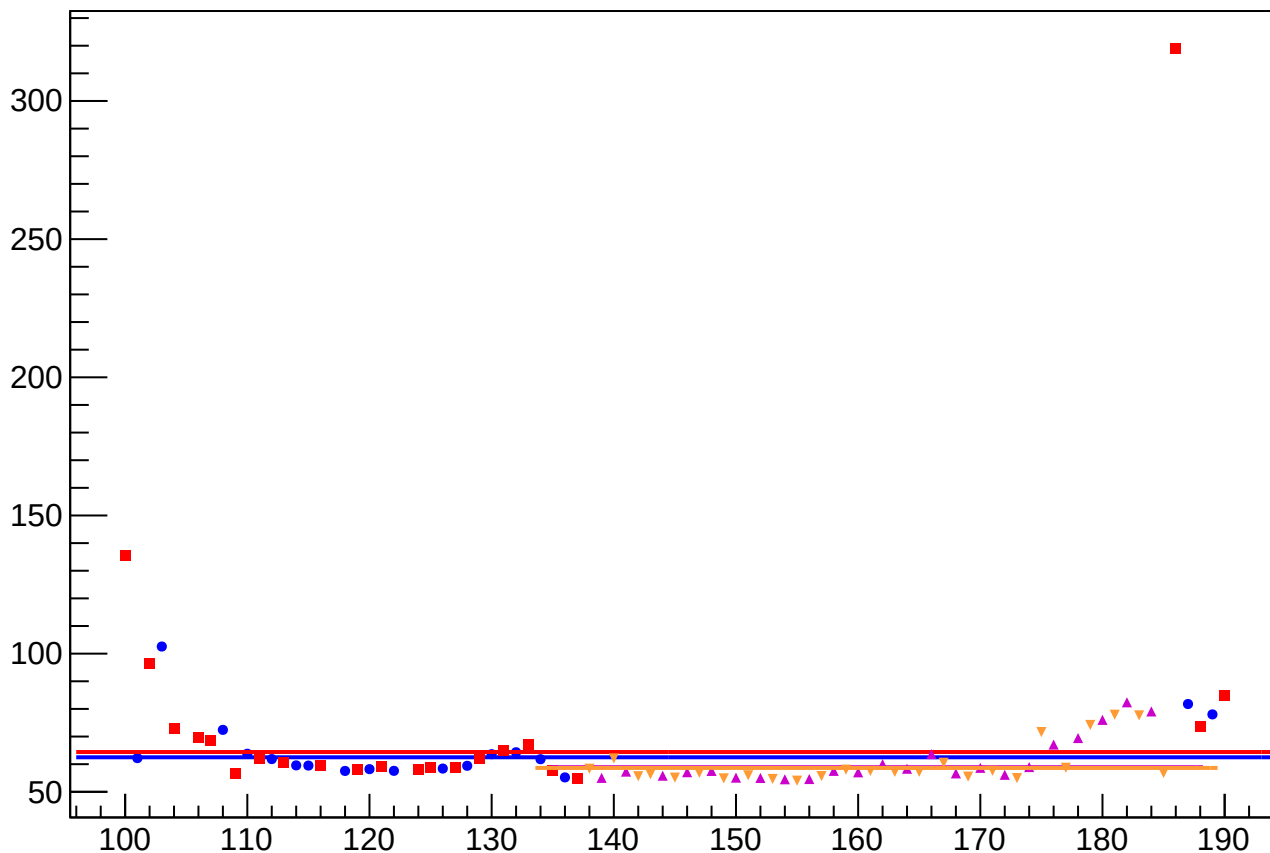
Left In: 186.567 $\pm$ 13.860 χ^2 /NDF:29.0/22

+ sign -190.561 $\pm$ 11.517 χ^2 /NDF: 65.2/42

All: -12.997 $\pm$ 8.211 χ^2 /NDF: 631.6/87

- sign 170.594 $\pm$ 11.711 χ^2 /NDF: 82.9/44

reg_asym_sam8_rms vs Slug



Right In: 62.493+/-0.016 χ^2/NDF : 317006.3/17

Left Out: 58.644+/-0.009 χ^2/NDF : 393880.8/24

Right Out: 64.400+/-0.015 χ^2/NDF : 875336.1/21

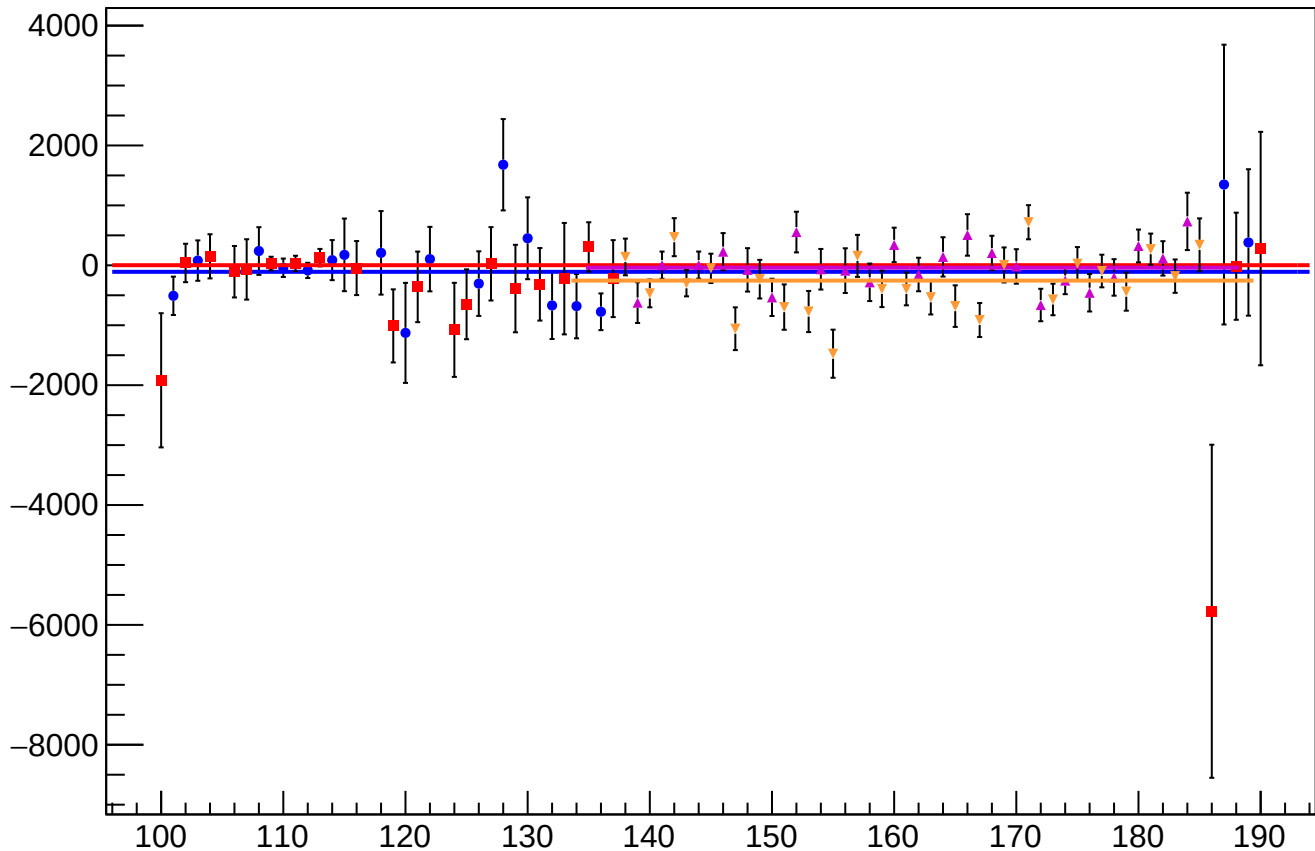
Left In: 58.906+/-0.010 χ^2/NDF : 386820.4/22

+ sign 59.658+/-0.008 χ^2/NDF : 754221.4/42

All: 60.061+/-0.006 χ^2/NDF : 2111248.2/87

- sign 60.478+/-0.008 χ^2/NDF : 1352039.7/44

asym_sam8_reg_correction_mean vs Slug



Right In: -108.426 ± 76.024 χ^2/NDF : 19.0/17

Left Out: -254.628 ± 58.877 χ^2/NDF : 57.6/24

Right Out: 2.047 ± 63.719 χ^2/NDF : 16.0/21

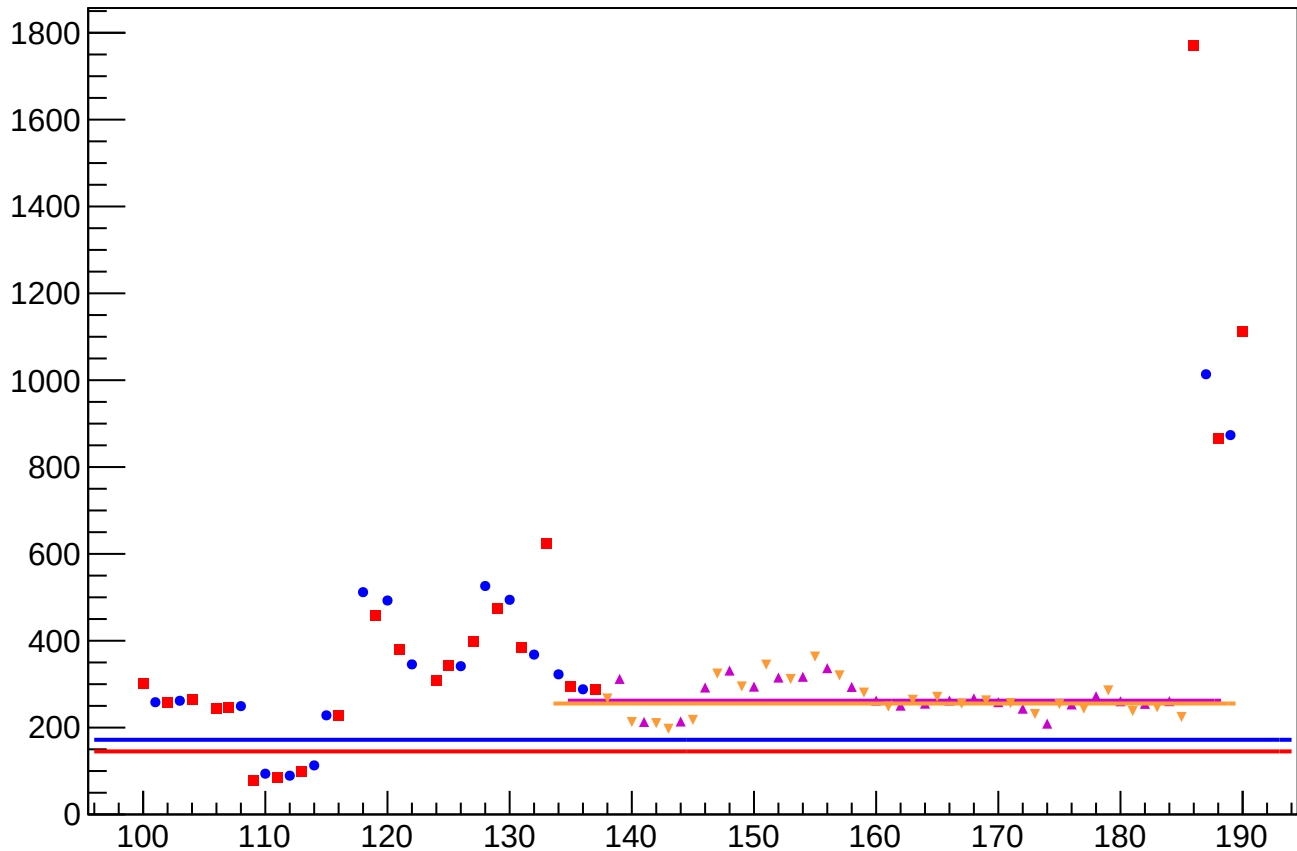
Left In: -39.147 ± 61.883 χ^2/NDF : 28.3/22

+ sign -199.816 ± 46.549 χ^2/NDF : 79.0/42

All: -105.201 ± 32.126 χ^2/NDF : 131.4/87

- sign -19.152 ± 44.393 χ^2/NDF : 44.5/44

asym_sam8_reg_correction_rms vs Slug



Right In: 171.957 $\pm$ 0.054 χ^2 /NDF: 5468190.5/17

Left Out: 255.469 $\pm$ 0.042 χ^2 /NDF: 863866.8/24

Right Out: 145.187 $\pm$ 0.045 χ^2 /NDF: 7649308.6/21

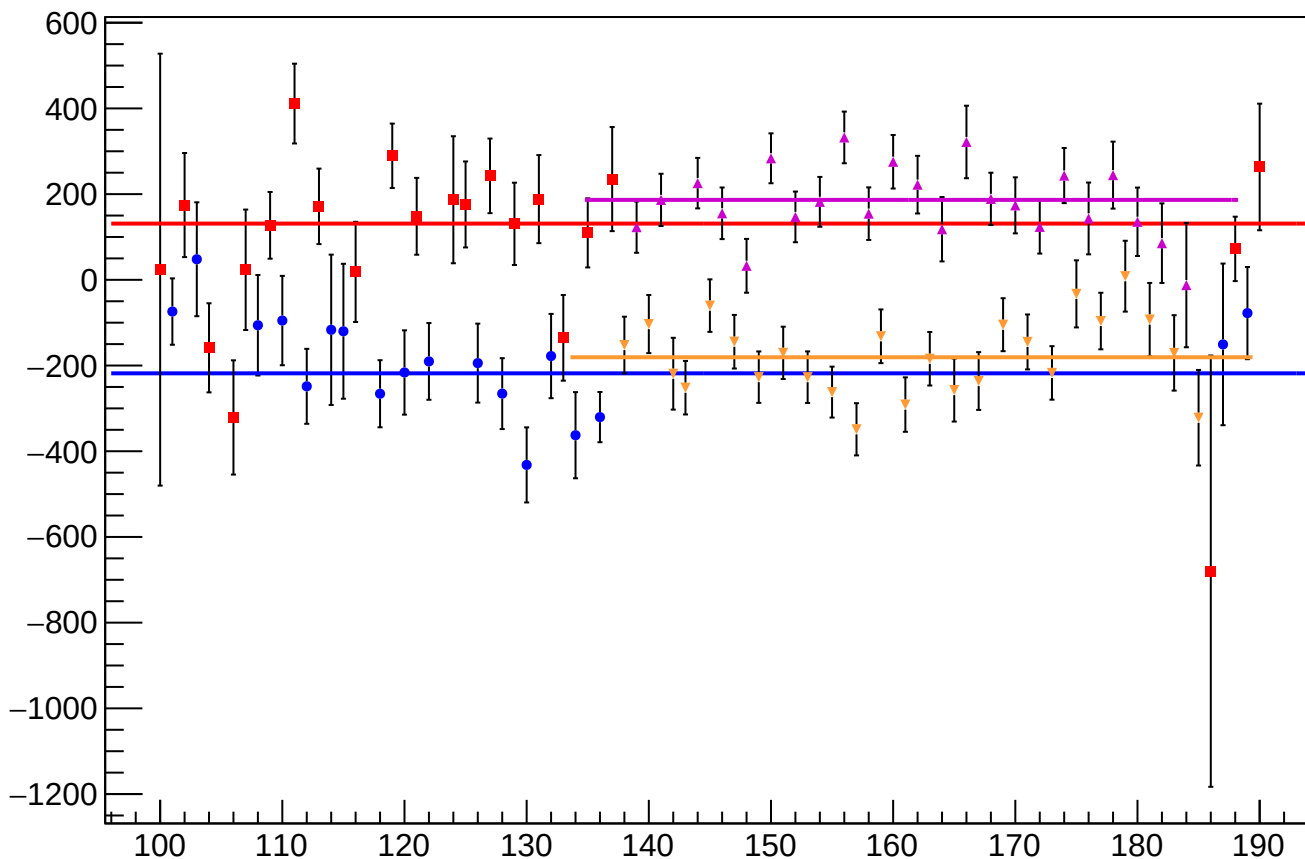
Left In: 262.007 $\pm$ 0.044 χ^2 /NDF: 670576.2/22

+ sign 224.160 $\pm$ 0.033 χ^2 /NDF: 7840648.7/42

All: 214.285 $\pm$ 0.023 χ^2 /NDF: 19791906.0/87

- sign 205.304 $\pm$ 0.031 χ^2 /NDF: 11779394.4/44

cor_asym_sam8_mean vs Slug



Right In: -218.182 ± 22.442 χ^2/NDF : 24.6/17

Left Out: -180.680 ± 13.419 χ^2/NDF : 38.6/24

Right Out: 131.220 ± 21.906 χ^2/NDF : 48.9/21

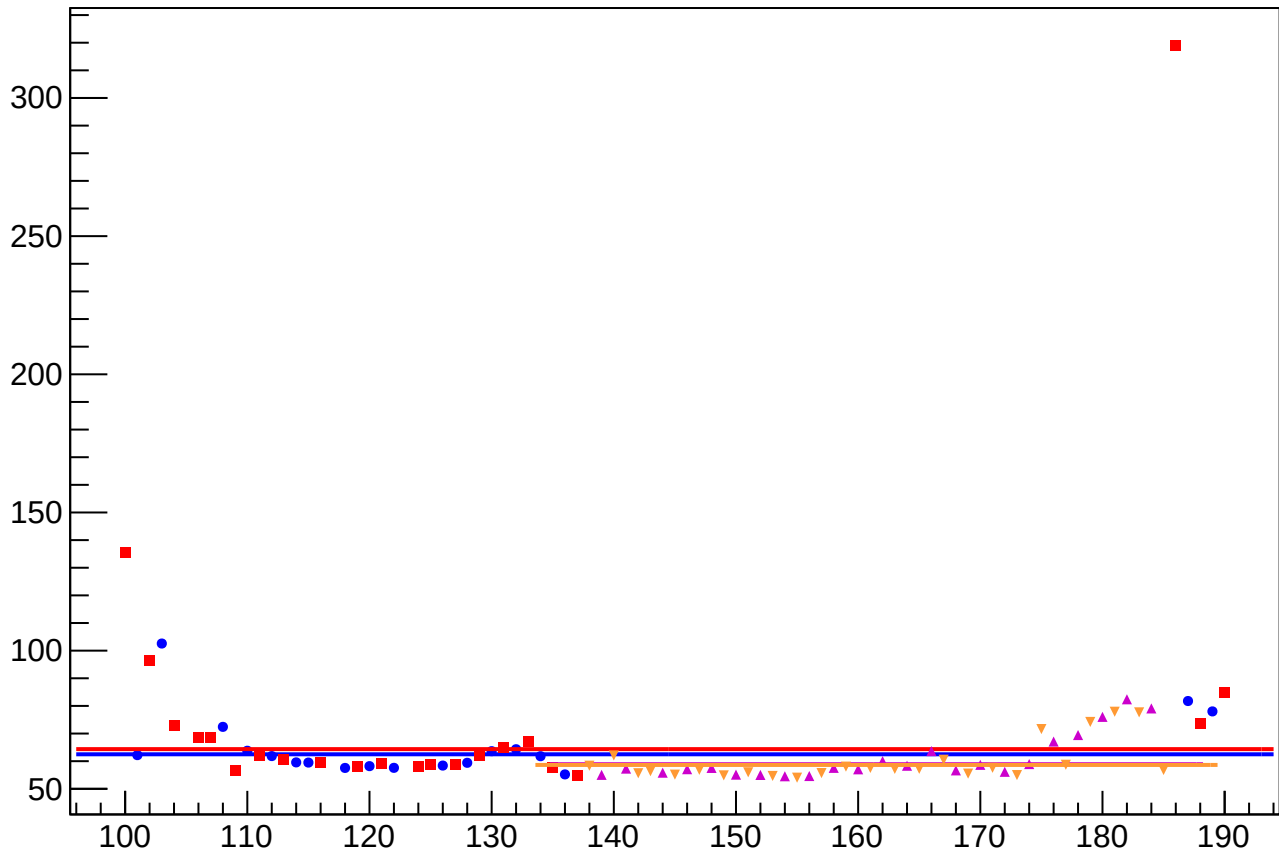
Left In: 186.567 ± 13.860 χ^2/NDF : 29.0/22

+ sign -190.557 ± 11.517 χ^2/NDF : 65.2/42

All: -12.947 ± 8.212 χ^2/NDF : 631.5/87

- sign 170.745 ± 11.712 χ^2/NDF : 82.5/44

cor_asym_sam8_rms vs Slug



Right In: 62.493+/-0.016 χ^2/NDF : 317008.8/17

Left Out: 58.644+/-0.009 χ^2/NDF : 393880.8/24

Right Out: 64.363+/-0.015 χ^2/NDF : 874197.5/21

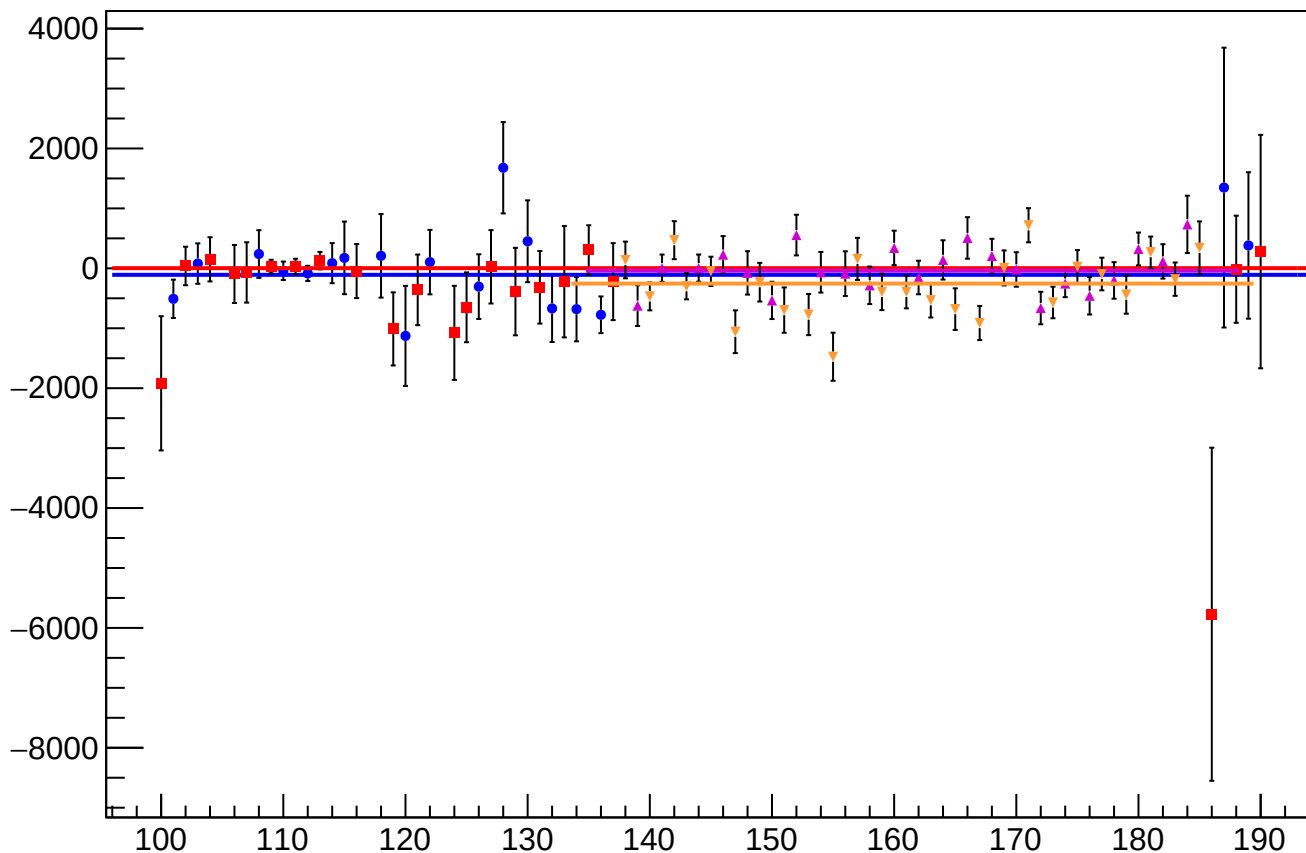
Left In: 58.906+/-0.010 χ^2/NDF : 386820.4/22

+ sign 59.658+/-0.008 χ^2/NDF : 754224.0/42

All: 60.055+/-0.006 χ^2/NDF : 2108719.4/87

- sign 60.466+/-0.008 χ^2/NDF : 1349648.6/44

asym_sam8_cor_correction_mean vs Slug



Right In: -108.408 ± 76.025 χ^2/NDF : 19.0/17

Left Out: -254.625 ± 58.877 χ^2/NDF : 57.6/24

Right Out: 2.752 ± 63.869 χ^2/NDF : 16.0/21

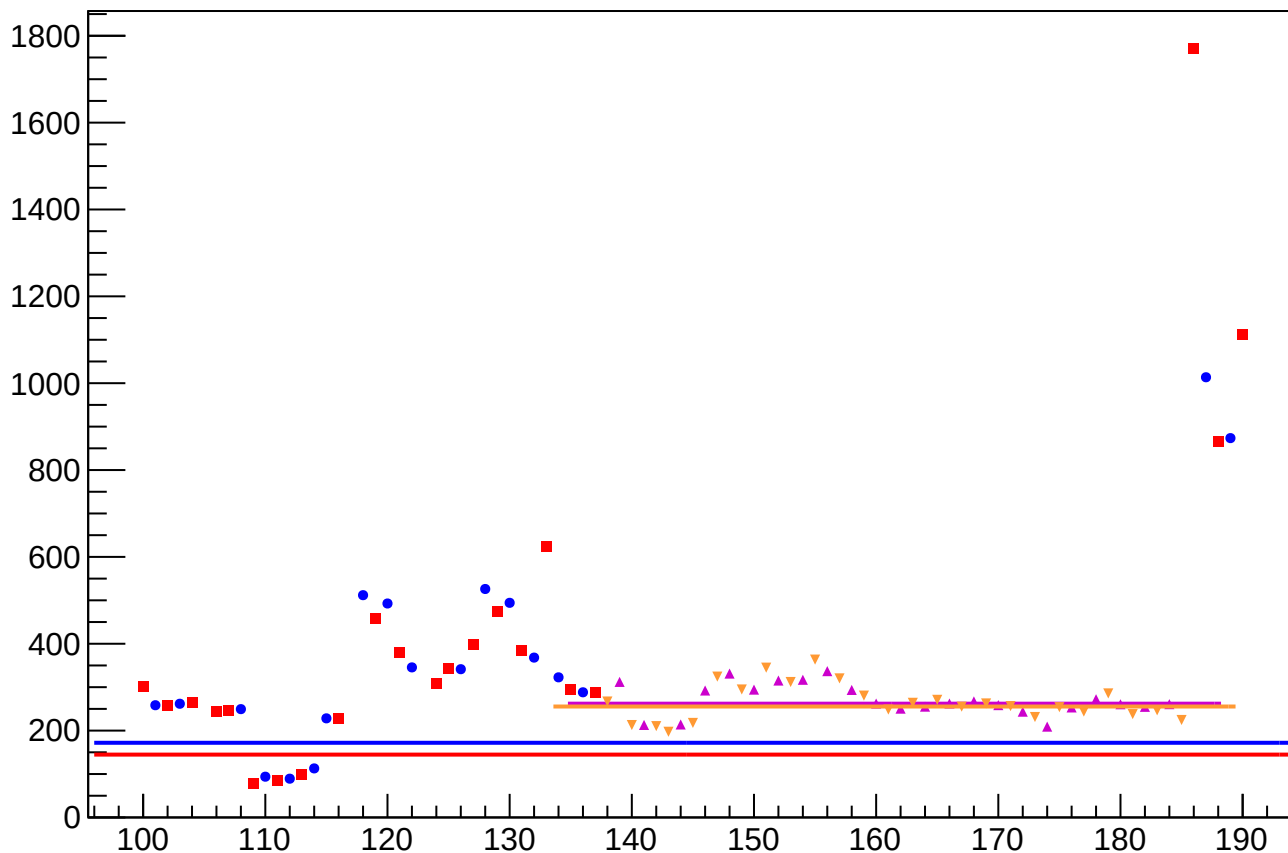
Left In: -39.144 ± 61.883 χ^2/NDF : 28.3/22

+ sign -199.807 ± 46.549 χ^2/NDF : 79.0/42

All: -105.147 ± 32.145 χ^2/NDF : 131.4/87

- sign -18.858 ± 44.444 χ^2/NDF : 44.5/44

asym_sam8_cor_correction_rms vs Slug



Right In: 171.957+/-0.054 χ^2/NDF : 5468243.7/17

Left Out: 255.469+/-0.042 χ^2/NDF : 863867.3/24

Right Out: 144.728+/-0.045 χ^2/NDF : 7627769.3/21

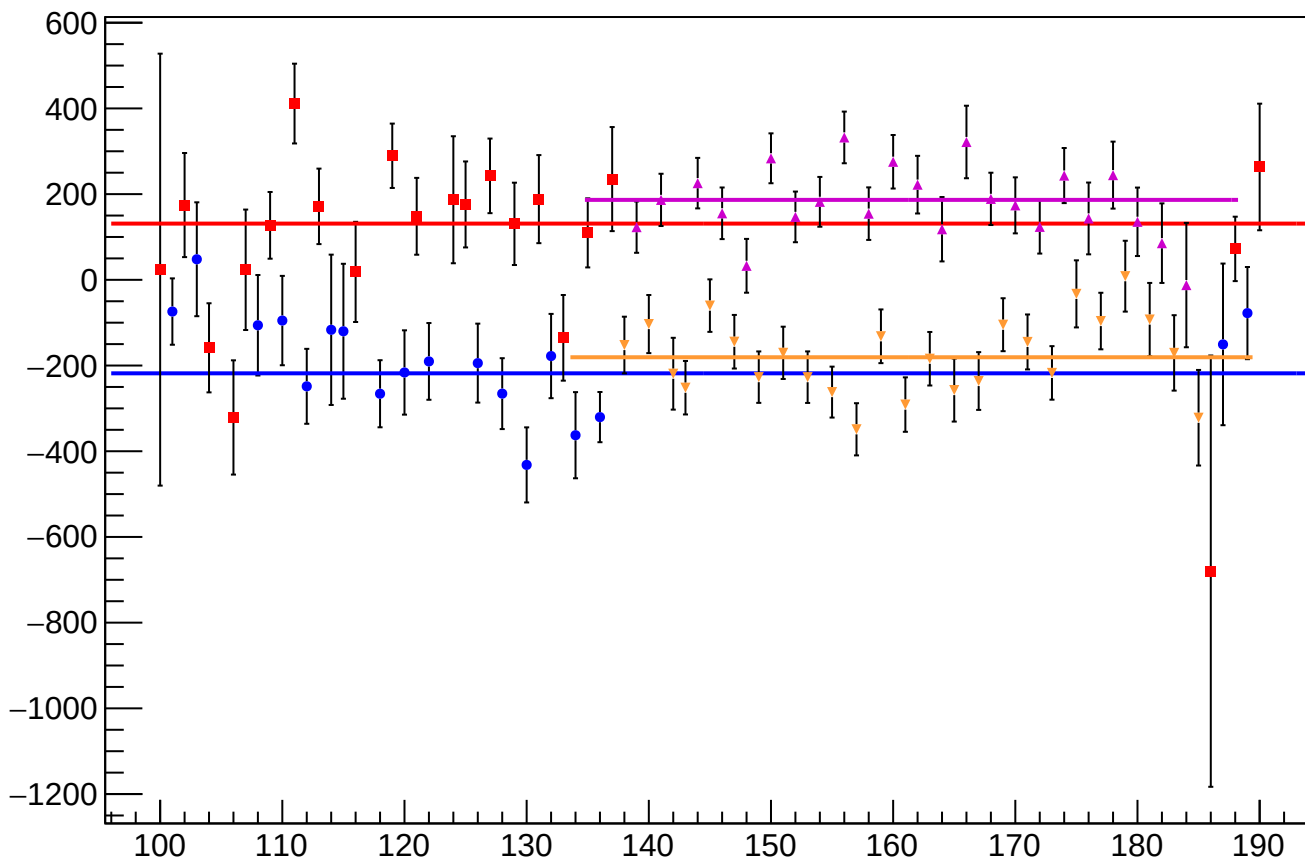
Left In: 262.007+/-0.044 χ^2/NDF : 670574.8/22

+ sign 224.160+/-0.033 χ^2/NDF : 7840676.7/42

All: 214.252+/-0.023 χ^2/NDF : 19790521.3/87

- sign 205.220+/-0.031 χ^2/NDF : 11776623.4/44

eigen_cor_asym_sam8_mean vs Slug



Right In: -218.182 ± 22.442 χ^2/NDF : 24.6/17

Left Out: -180.680 ± 13.419 χ^2/NDF : 38.6/24

Right Out: 131.220 ± 21.906 χ^2/NDF : 48.9/21

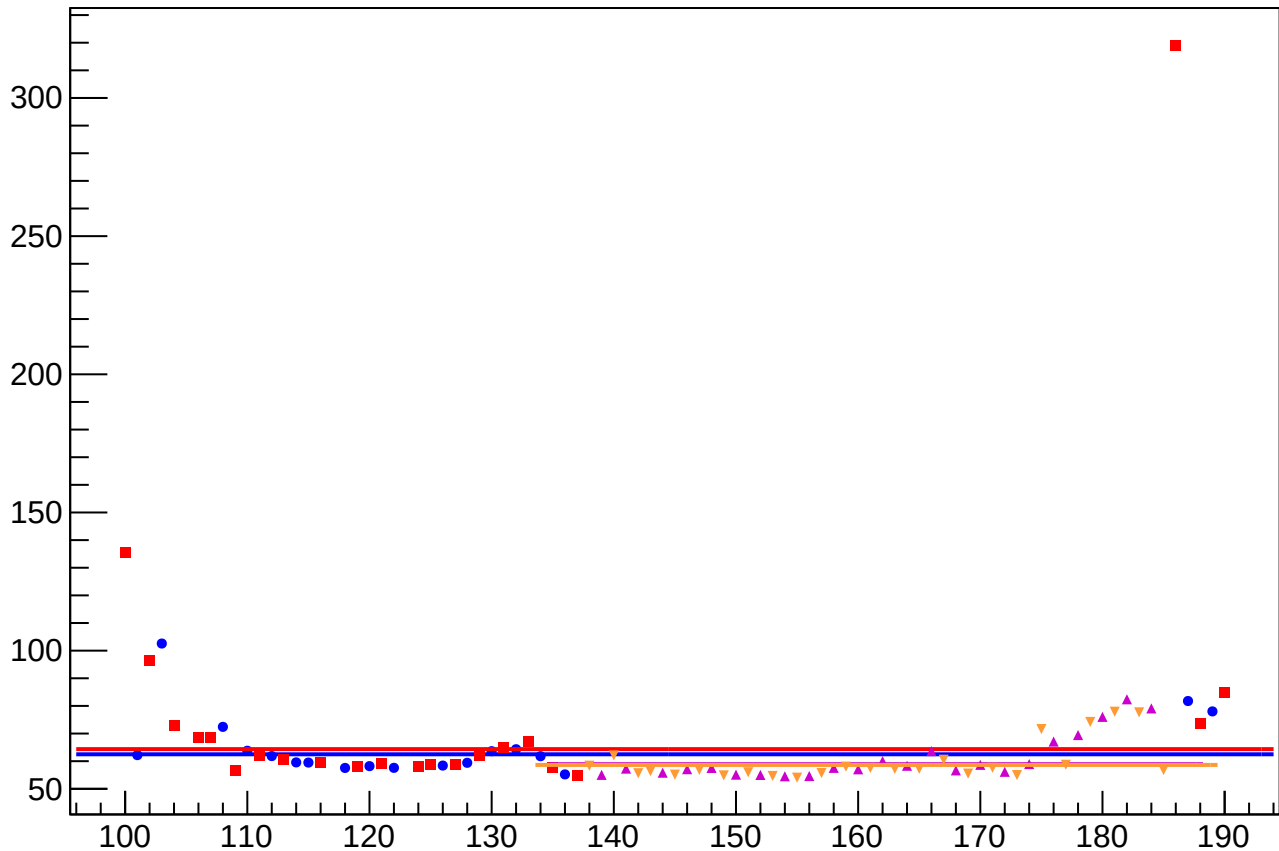
Left In: 186.567 ± 13.860 χ^2/NDF : 29.0/22

+ sign -190.557 ± 11.517 χ^2/NDF : 65.2/42

All: -12.947 ± 8.212 χ^2/NDF : 631.5/87

- sign 170.745 ± 11.712 χ^2/NDF : 82.5/44

eigen_cor_asym_sam8_rms vs Slug



Right In: 62.493+/-0.016 χ^2/NDF : 317008.8/17

Left Out: 58.644+/-0.009 χ^2/NDF : 393880.8/24

Right Out: 64.363+/-0.015 χ^2/NDF : 874197.5/21

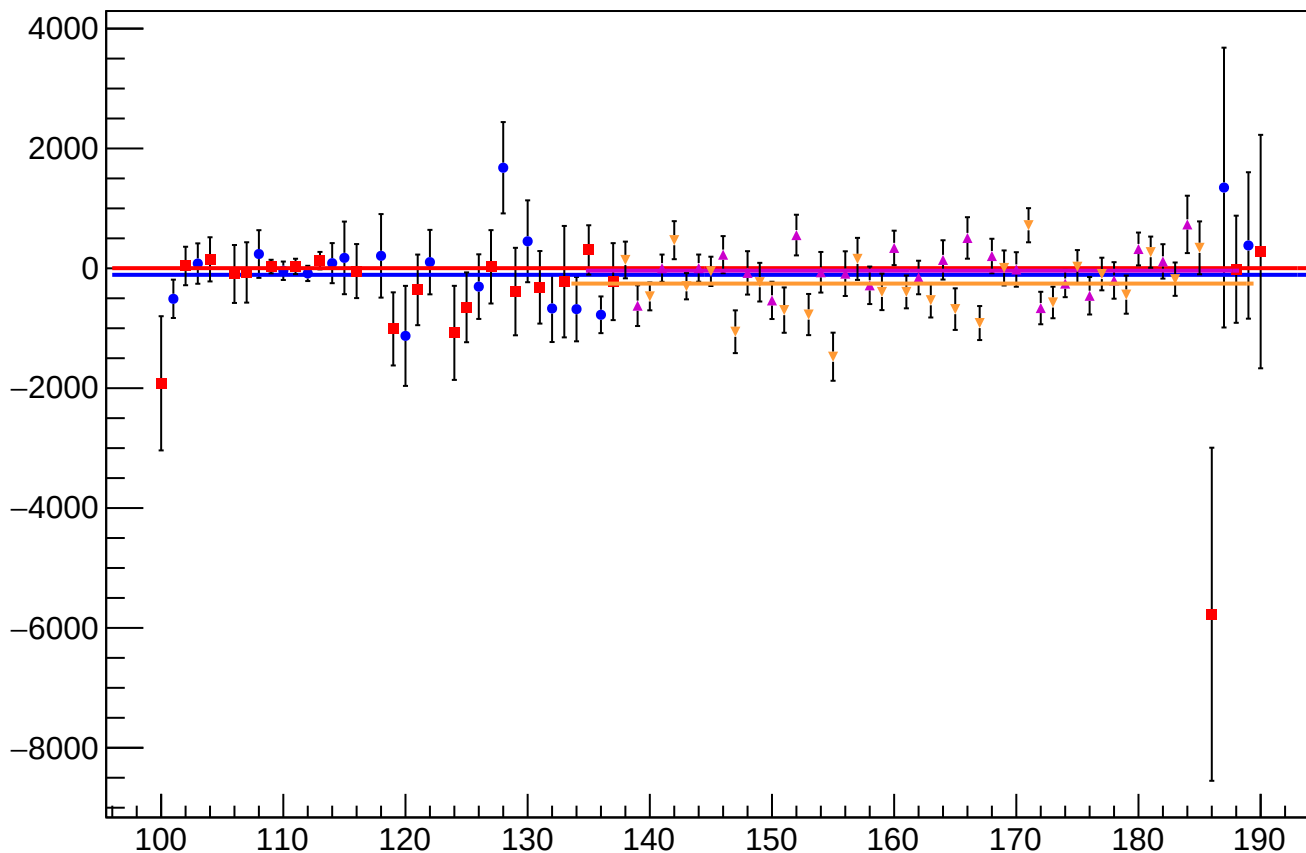
Left In: 58.906+/-0.010 χ^2/NDF : 386820.4/22

+ sign 59.658+/-0.008 χ^2/NDF : 754224.0/42

All: 60.055+/-0.006 χ^2/NDF : 2108719.4/87

- sign 60.466+/-0.008 χ^2/NDF : 1349648.6/44

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -108.408 ± 76.025 χ^2/NDF : 19.0/17

Left Out: -254.625 ± 58.877 χ^2/NDF : 57.6/24

Right Out: 2.752 ± 63.869 χ^2/NDF : 16.0/21

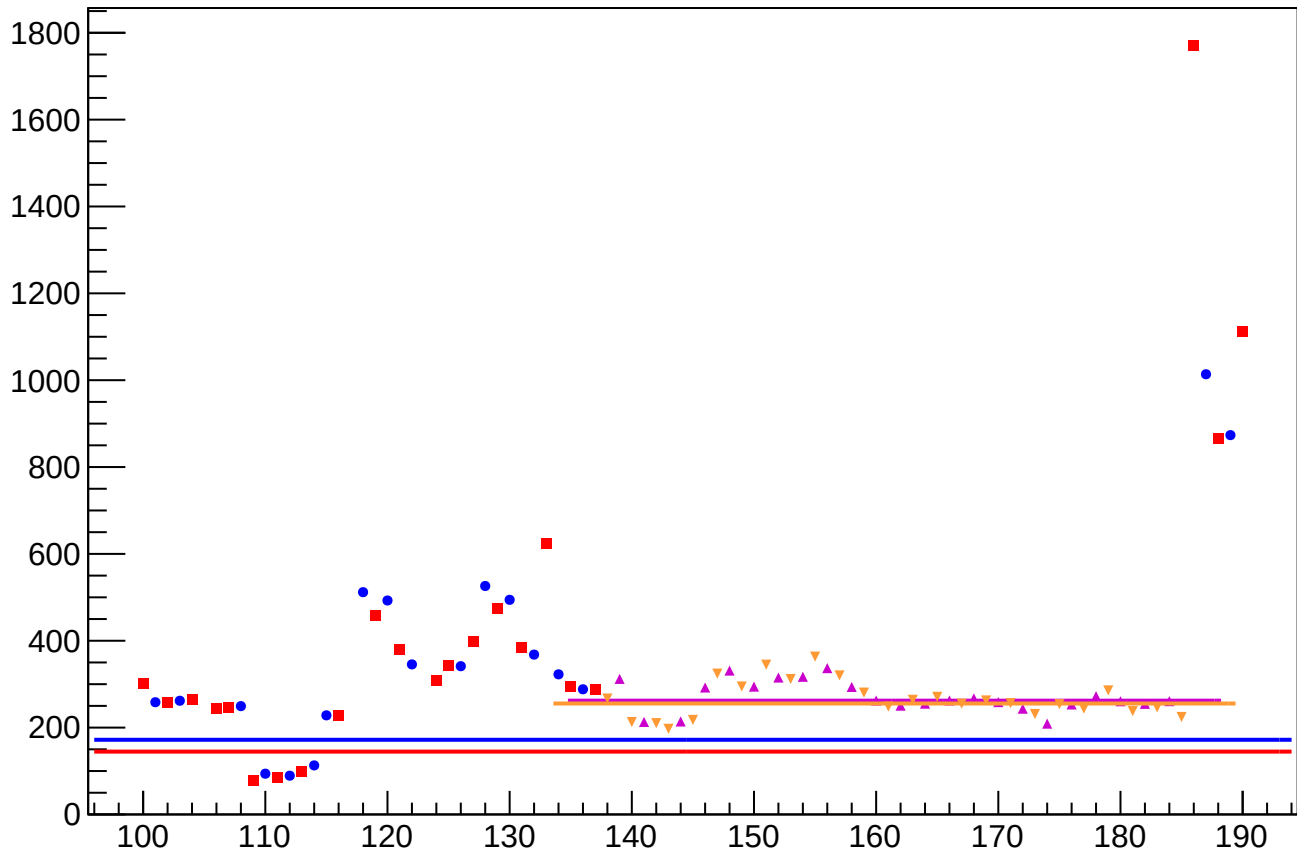
Left In: -39.144 ± 61.883 χ^2/NDF : 28.3/22

+ sign -199.807 ± 46.549 χ^2/NDF : 79.0/42

All: -105.147 ± 32.145 χ^2/NDF : 131.4/87

- sign -18.858 ± 44.444 χ^2/NDF : 44.5/44

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 171.957 $\pm$ 0.054 χ^2 /NDF: 5468243.7/17

Left Out: 255.469 $\pm$ 0.042 χ^2 /NDF: 863867.3/24

Right Out: 144.728 $\pm$ 0.045 χ^2 /NDF: 7627769.3/21

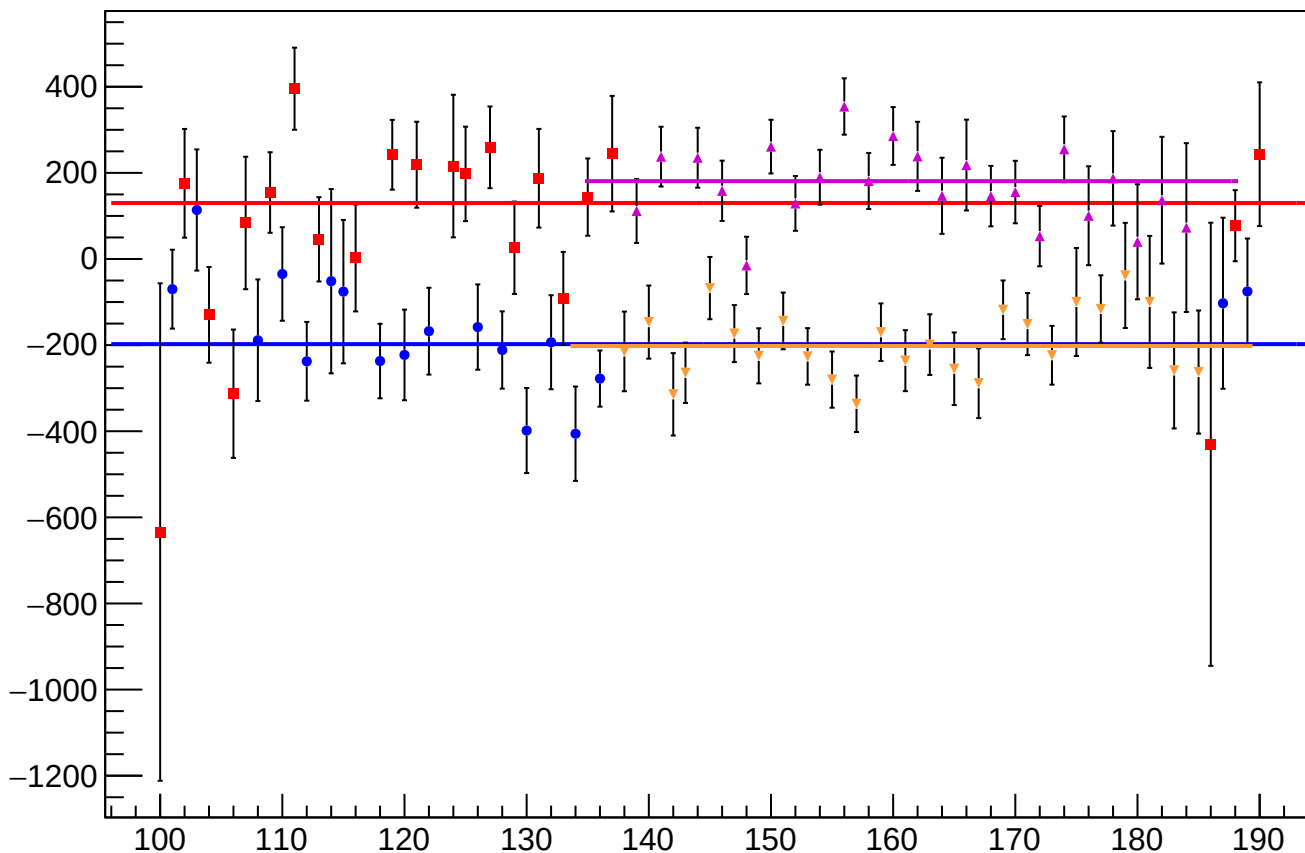
Left In: 262.007 $\pm$ 0.044 χ^2 /NDF: 670574.8/22

+ sign 224.160 $\pm$ 0.033 χ^2 /NDF: 7840676.7/42

All: 214.252 $\pm$ 0.023 χ^2 /NDF: 19790521.3/87

- sign 205.220 $\pm$ 0.031 χ^2 /NDF: 11776623.4/44

dit_asym_sam8_mean vs Slug



Right In: -197.729 ± 24.795 χ^2/NDF : 21.3/17

Left Out: -202.090 ± 15.538 χ^2/NDF : 21.5/24

Right Out: 130.144 ± 24.067 χ^2/NDF : 39.3/21

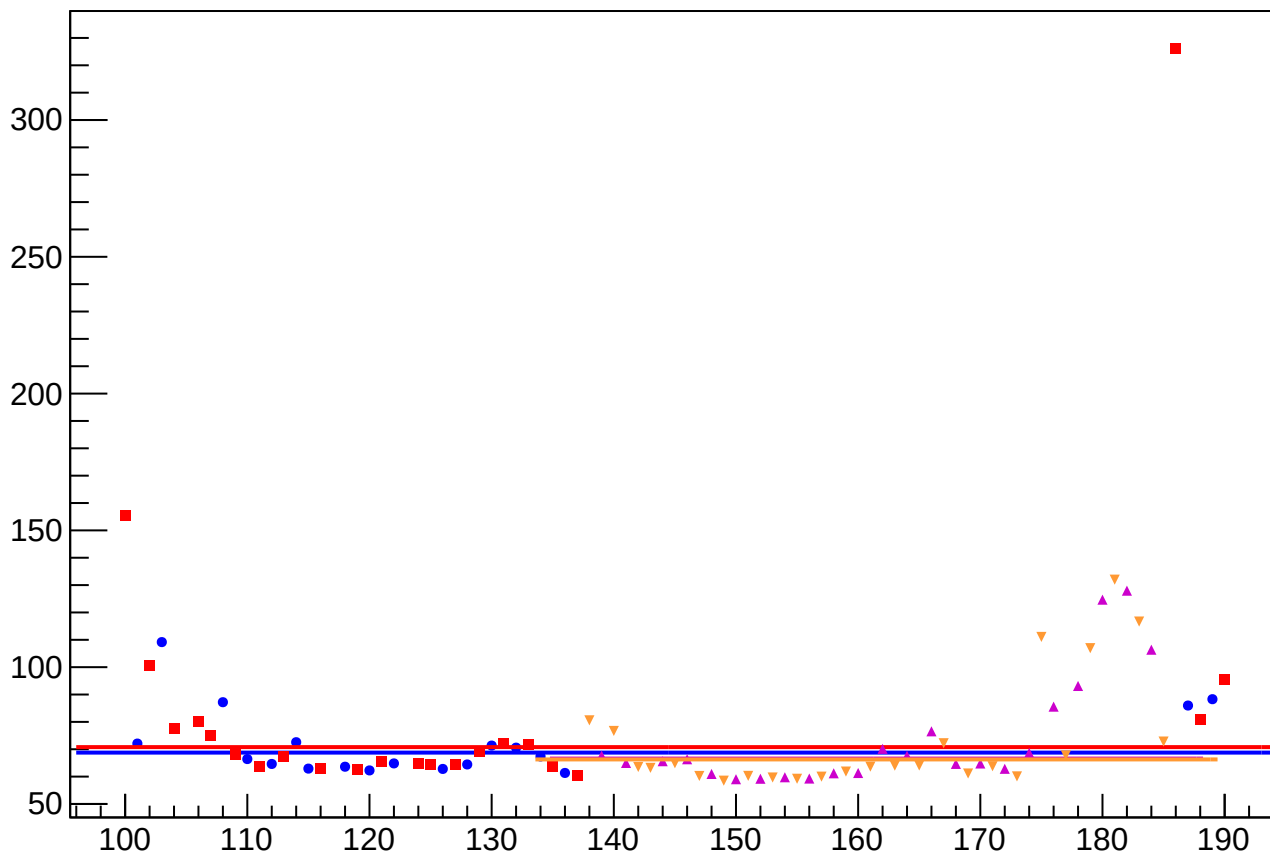
Left In: 180.784 ± 16.019 χ^2/NDF : 30.1/22

+ sign -200.861 ± 13.166 χ^2/NDF : 42.8/42

All: -20.145 ± 9.369 χ^2/NDF : 497.0/87

- sign 165.237 ± 13.335 χ^2/NDF : 72.5/44

dit_asym_sam8_rms vs Slug



Right In: 68.774 $\pm$ 0.018 χ^2 /NDF: 333058.4/17

Left Out: 66.279 $\pm$ 0.011 χ^2 /NDF:1393879.2/24

Right Out: 70.778 $\pm$ 0.017 χ^2 /NDF: 827627.0/21

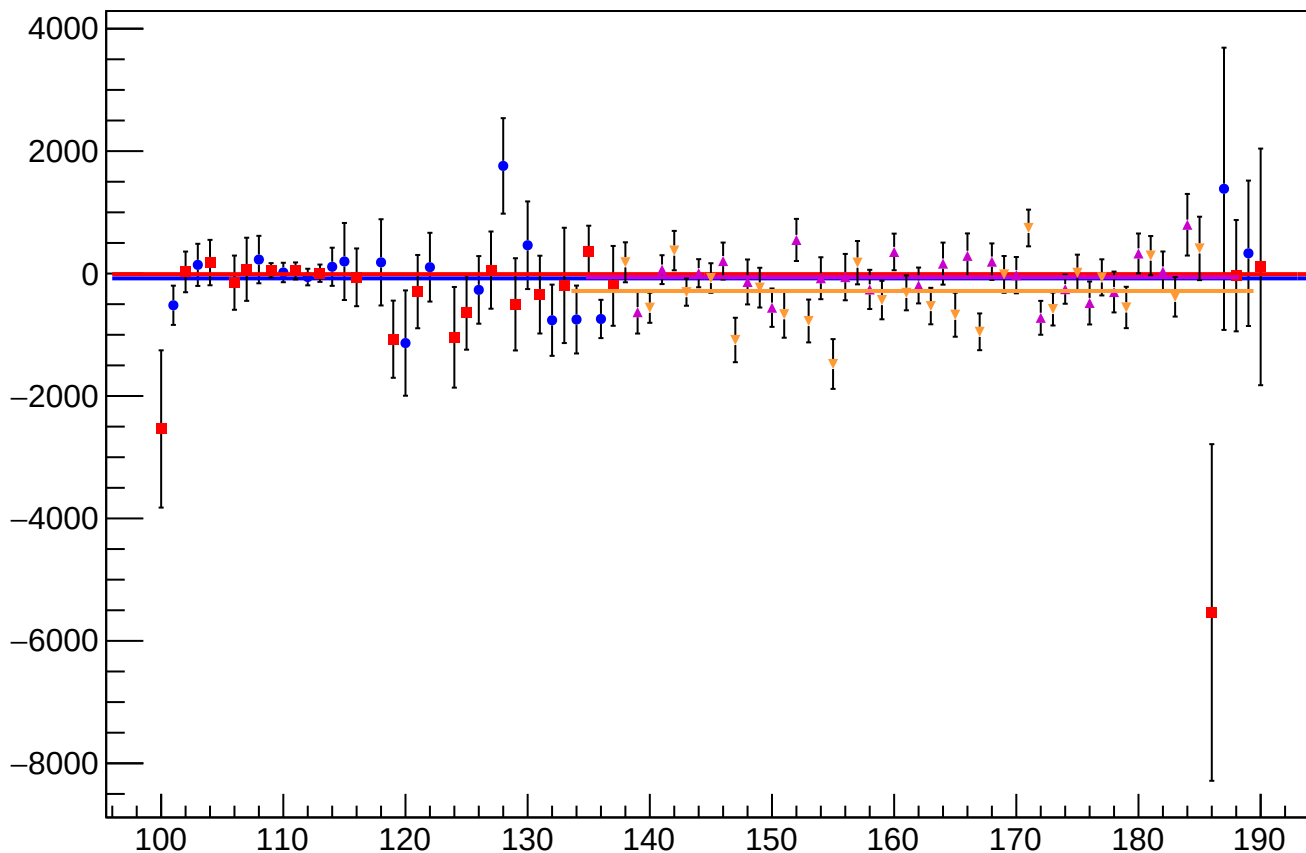
Left In: 66.585 $\pm$ 0.011 χ^2 /NDF:1158238.0/22

+ sign 66.982 $\pm$ 0.009 χ^2 /NDF: 1741477.6/42

All: 67.422 $\pm$ 0.007 χ^2 /NDF: 3773911.8/87

- sign 67.872 $\pm$ 0.009 χ^2 /NDF: 2027923.1/44

asym_sam8_dit_correction_mean vs Slug



Right In: -78.724 $\pm$ 78.458 χ^2/NDF : 19.7/17

Left Out: -284.450 $\pm$ 61.727 χ^2/NDF : 54.6/24

Right Out: -9.233 $\pm$ 65.681 χ^2/NDF : 16.1/21

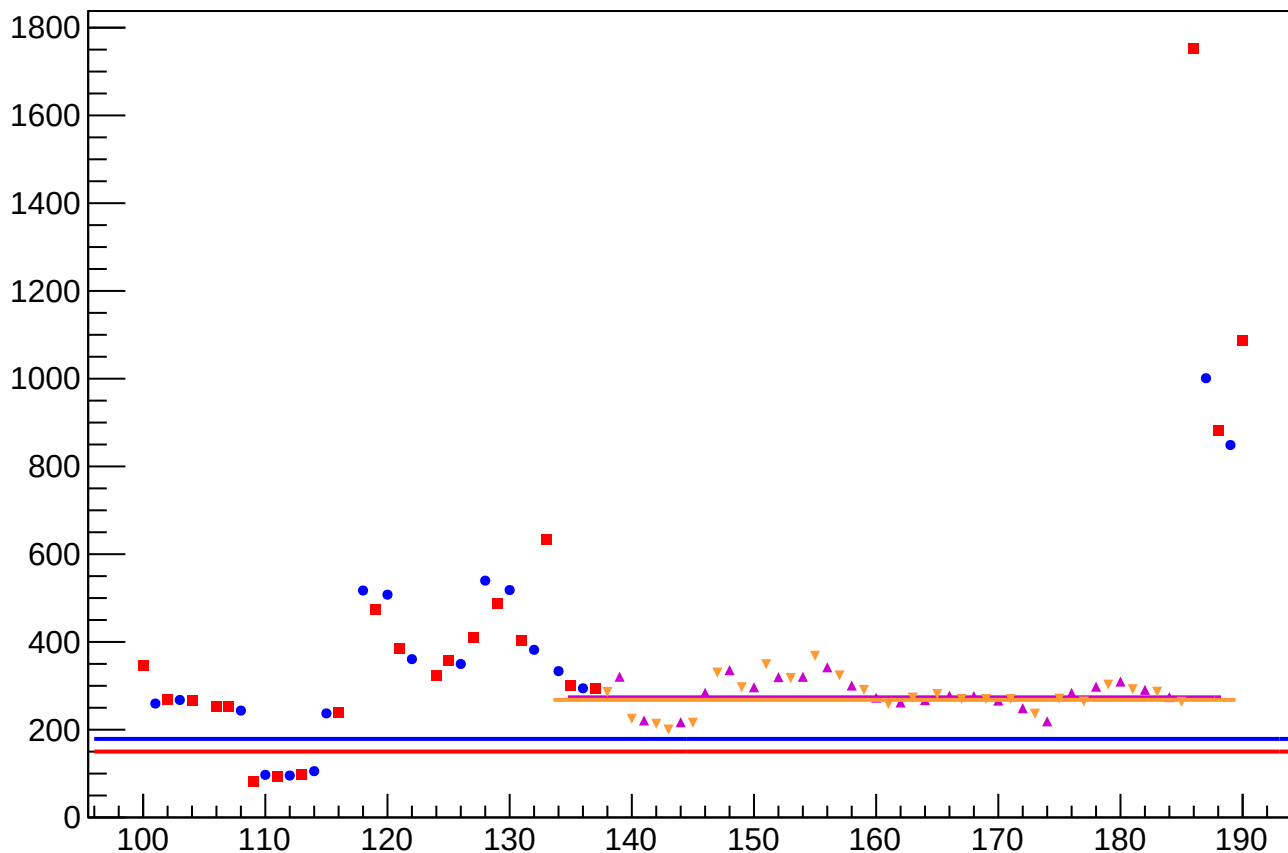
Left In: -59.160 $\pm$ 64.636 χ^2/NDF : 26.8/22

+ sign -205.795 $\pm$ 48.513 χ^2/NDF : 78.6/42

All: -115.777 $\pm$ 33.407 χ^2/NDF : 128.4/87

- sign -34.597 $\pm$ 46.070 χ^2/NDF : 43.2/44

asym_sam8_dit_correction_rms vs Slug



Right In: 178.997 $\pm$ 0.055 χ^2 /NDF: 5324680.3/17

Left Out: 267.985 $\pm$ 0.044 χ^2 /NDF: 862786.9/24

Right Out: 150.134 $\pm$ 0.046 χ^2 /NDF: 7595453.6/21

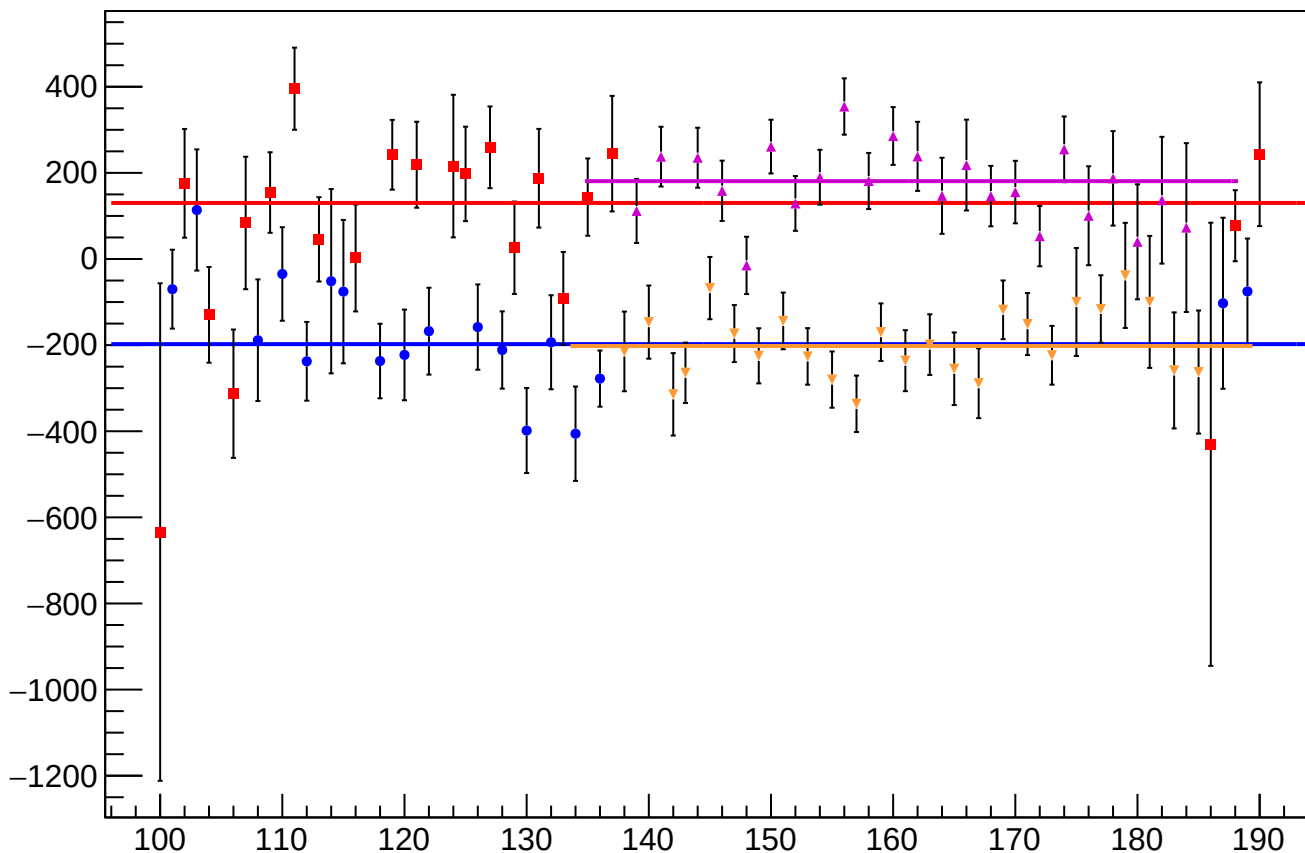
Left In: 273.751 $\pm$ 0.046 χ^2 /NDF: 650295.5/22

+ sign 233.963 $\pm$ 0.034 χ^2 /NDF: 7776656.1/42

All: 222.905 $\pm$ 0.024 χ^2 /NDF: 19819007.9/87

- sign 212.933 $\pm$ 0.033 χ^2 /NDF: 11844745.9/44

eigen_dit_asym_sam8_mean vs Slug



Right In: -197.729 ± 24.795 χ^2/NDF : 21.3/17

Left Out: -202.090 ± 15.538 χ^2/NDF : 21.5/24

Right Out: 130.144 ± 24.067 χ^2/NDF : 39.3/21

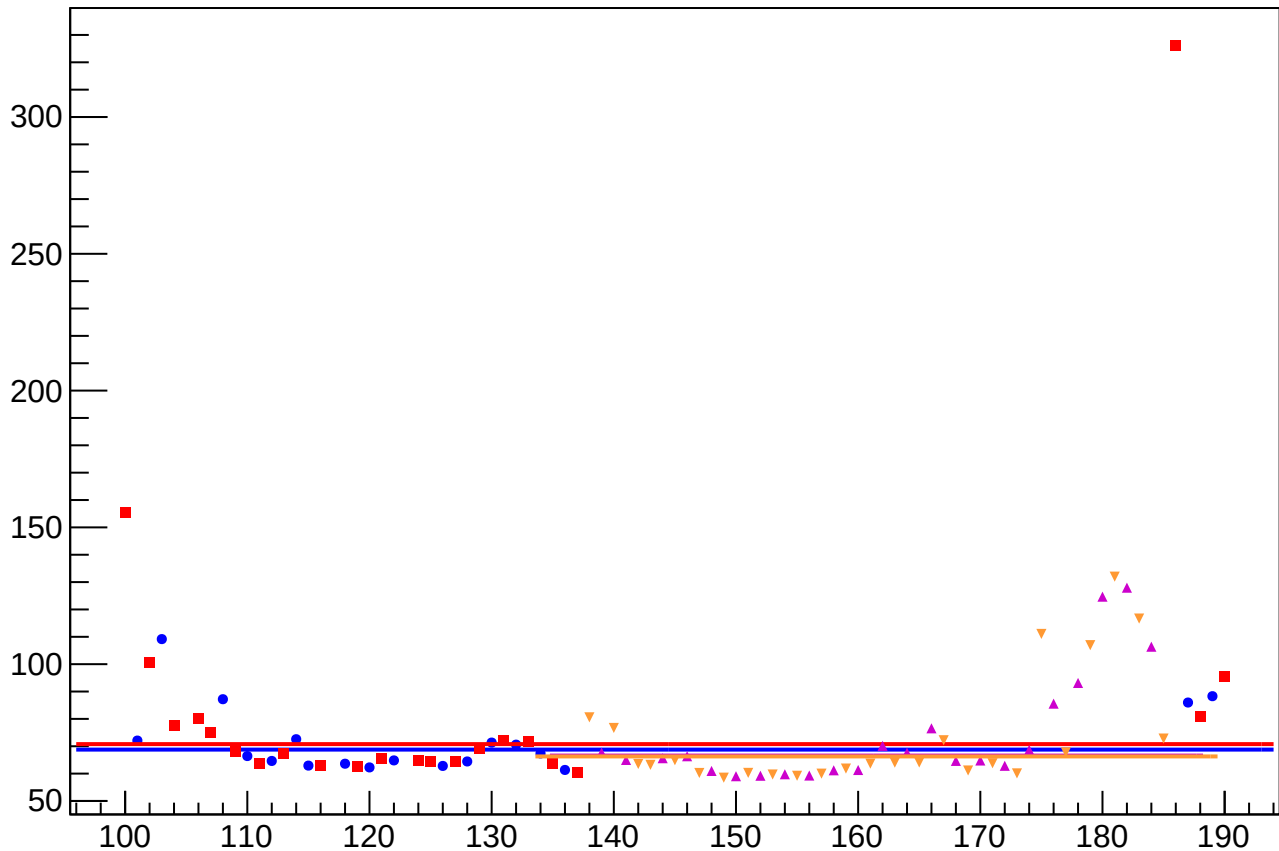
Left In: 180.785 ± 16.019 χ^2/NDF : 30.1/22

+ sign -200.860 ± 13.166 χ^2/NDF : 42.8/42

All: -20.145 ± 9.369 χ^2/NDF : 497.0/87

- sign 165.238 ± 13.335 χ^2/NDF : 72.5/44

eigen_dit_asym_sam8_rms vs Slug



Right In: 68.774 $\pm$ 0.018 χ^2 /NDF: 333061.1/17

Left Out: 66.279 $\pm$ 0.011 χ^2 /NDF: 1393881.3/24

Right Out: 70.778 $\pm$ 0.017 χ^2 /NDF: 827627.6/21

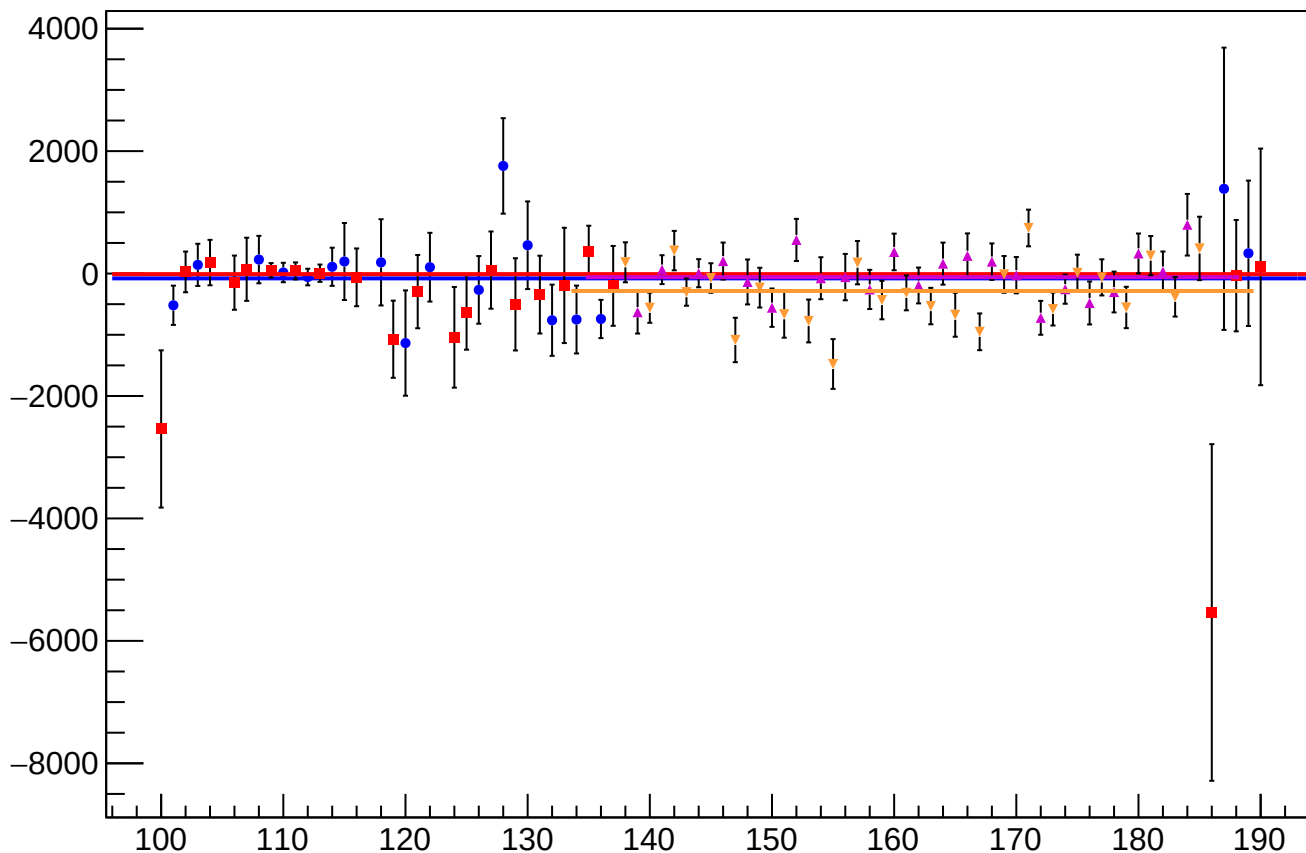
Left In: 66.585 $\pm$ 0.011 χ^2 /NDF: 1158231.7/22

+ sign 66.982 $\pm$ 0.009 χ^2 /NDF: 1741480.3/42

All: 67.422 $\pm$ 0.007 χ^2 /NDF: 3773903.4/87

- sign 67.872 $\pm$ 0.009 χ^2 /NDF: 2027912.1/44

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -78.722 ± 78.458 $\chi^2/\text{NDF}: 19.7/17$

Left Out: -284.450 ± 61.727 $\chi^2/\text{NDF}: 54.6/24$

Right Out: -9.231 ± 65.681 $\chi^2/\text{NDF}: 16.1/21$

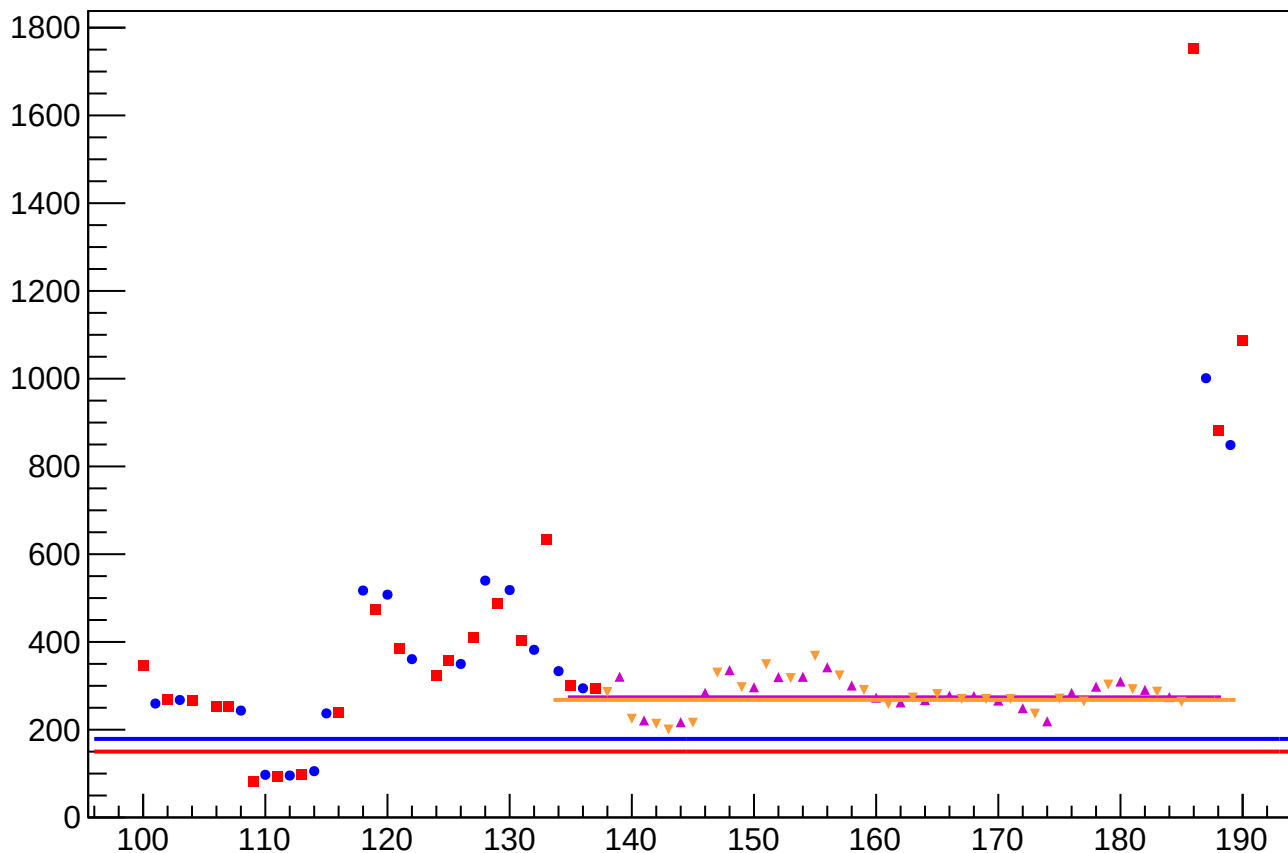
Left In: -59.160 ± 64.636 $\chi^2/\text{NDF}: 26.8/22$

+ sign -205.794 ± 48.513 $\chi^2/\text{NDF}: 78.6/42$

All: -115.776 ± 33.406 $\chi^2/\text{NDF}: 128.4/87$

- sign -34.596 ± 46.070 $\chi^2/\text{NDF}: 43.2/44$

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 178.996 $\pm$ 0.055 χ^2 /NDF: 5324704.1/17

Left Out: 267.985 $\pm$ 0.044 χ^2 /NDF: 862797.1/24

Right Out: 150.134 $\pm$ 0.046 χ^2 /NDF: 7595433.1/21

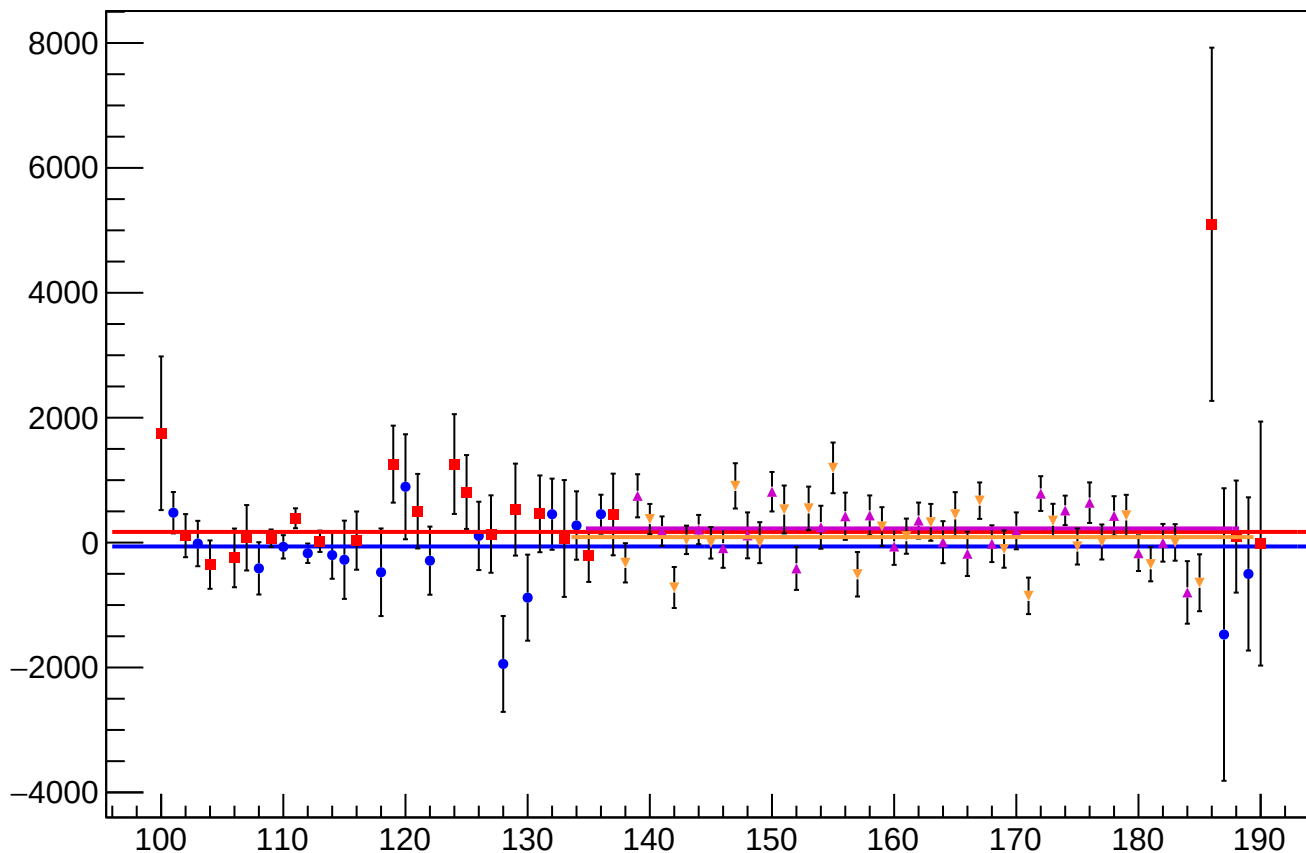
Left In: 273.750 $\pm$ 0.046 χ^2 /NDF: 650300.9/22

+ sign 233.961 $\pm$ 0.034 χ^2 /NDF: 7776722.6/42

All: 222.904 $\pm$ 0.024 χ^2 /NDF: 19819033.4/87

- sign 212.933 $\pm$ 0.033 χ^2 /NDF: 11844715.6/44

asym_sam8_mean vs Slug



Right In: -62.116 ± 86.614 $\chi^2/\text{NDF}: 17.9/17$

Left Out: 88.397 ± 60.666 $\chi^2/\text{NDF}: 52.2/24$

Right Out: 170.962 ± 74.262 $\chi^2/\text{NDF}: 18.5/21$

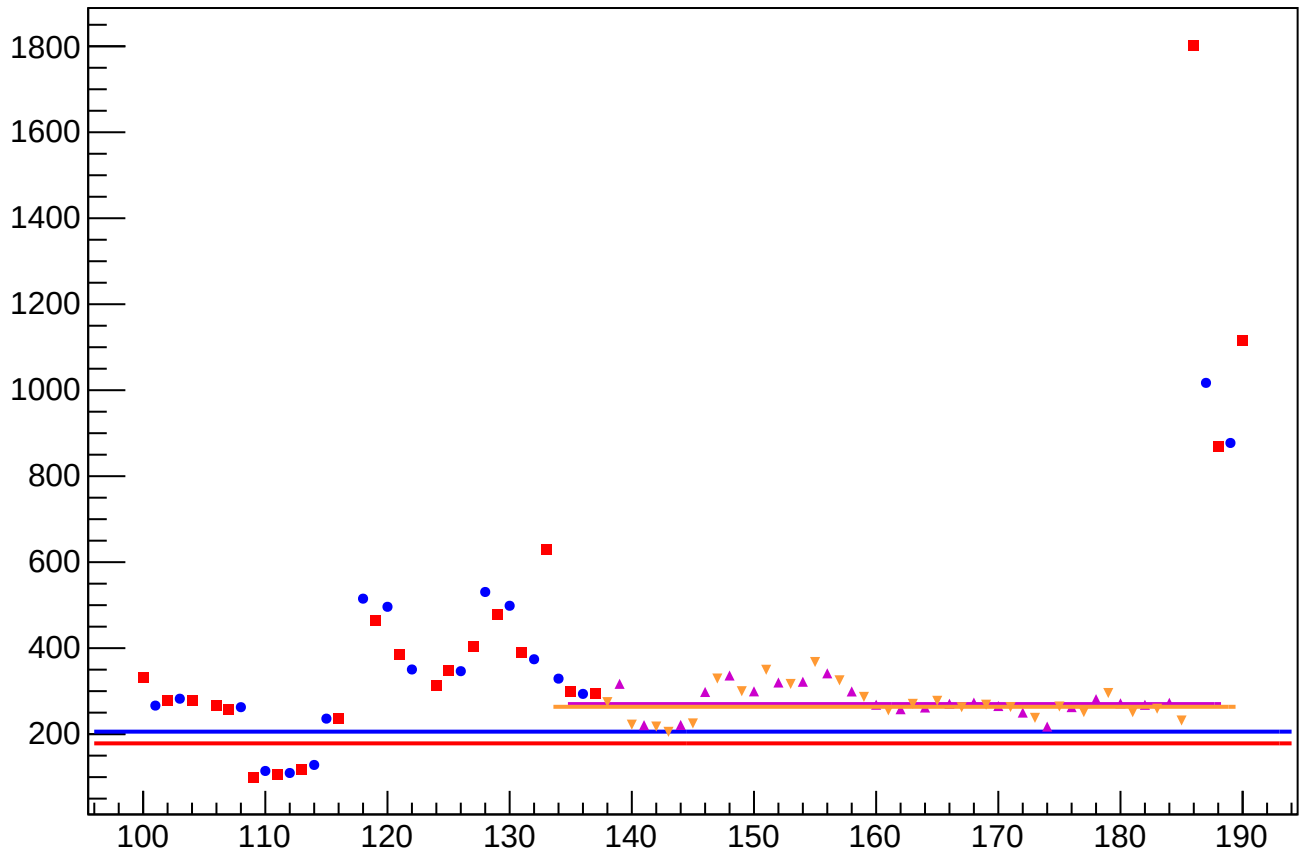
Left In: 226.867 ± 63.677 $\chi^2/\text{NDF}: 28.8/22$

+ sign 38.860 ± 49.690 $\chi^2/\text{NDF}: 72.1/42$

All: 123.283 ± 34.649 $\chi^2/\text{NDF}: 125.4/87$

- sign 203.179 ± 48.339 $\chi^2/\text{NDF}: 47.7/44$

asym_sam8_rms vs Slug



Right In: 205.787 $\pm$ 0.061 χ^2 /NDF: 4416775.0/17

Left Out: 263.593 $\pm$ 0.043 χ^2 /NDF: 779853.4/24

Right Out: 178.528 $\pm$ 0.053 χ^2 /NDF: 6518610.2/21

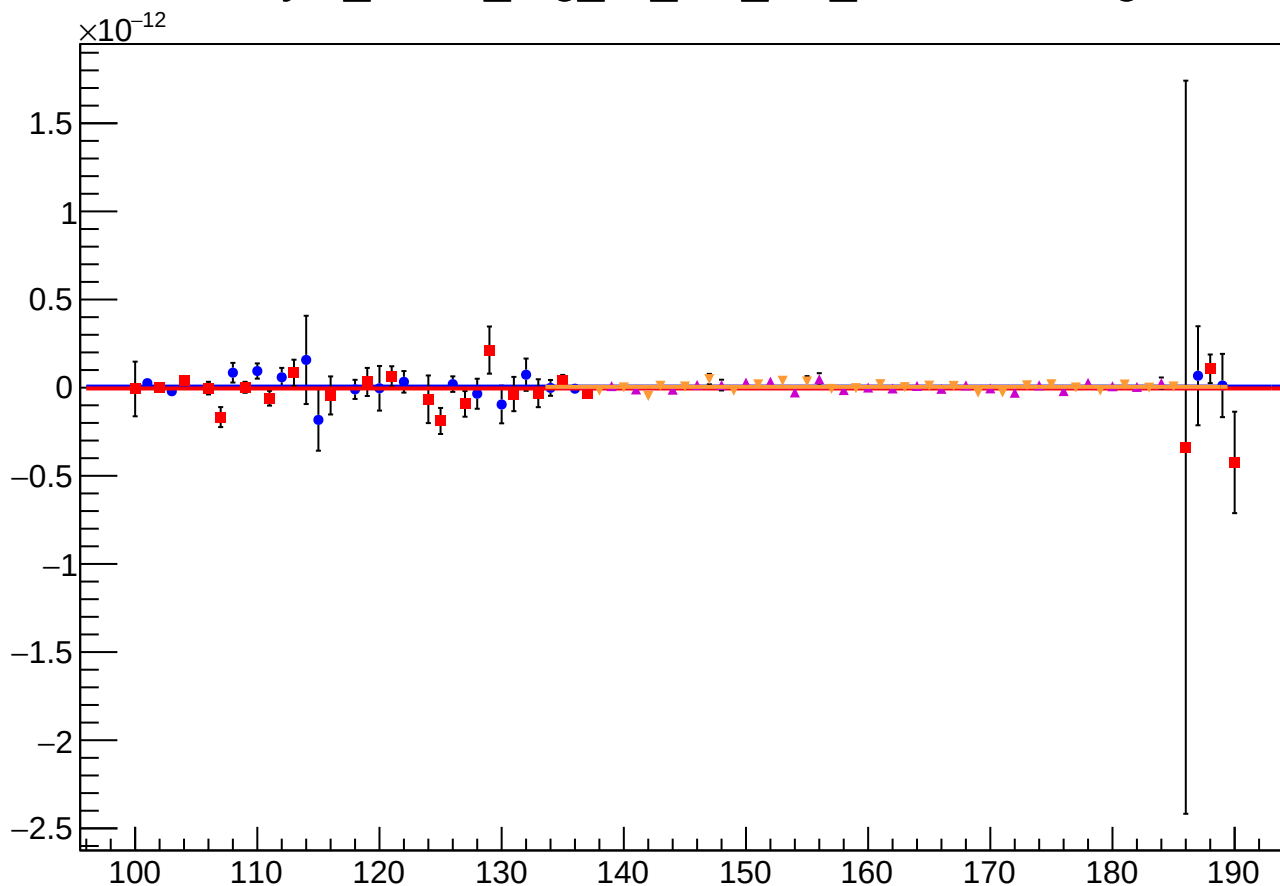
Left In: 269.898 $\pm$ 0.045 χ^2 /NDF: 602244.3/22

+ sign 244.567 $\pm$ 0.035 χ^2 /NDF: 5794271.2/42

All: 237.691 $\pm$ 0.025 χ^2 /NDF: 14734458.6/87

- sign 231.183 $\pm$ 0.034 χ^2 /NDF: 8865636.2/44

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 13.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF : 34.6/21

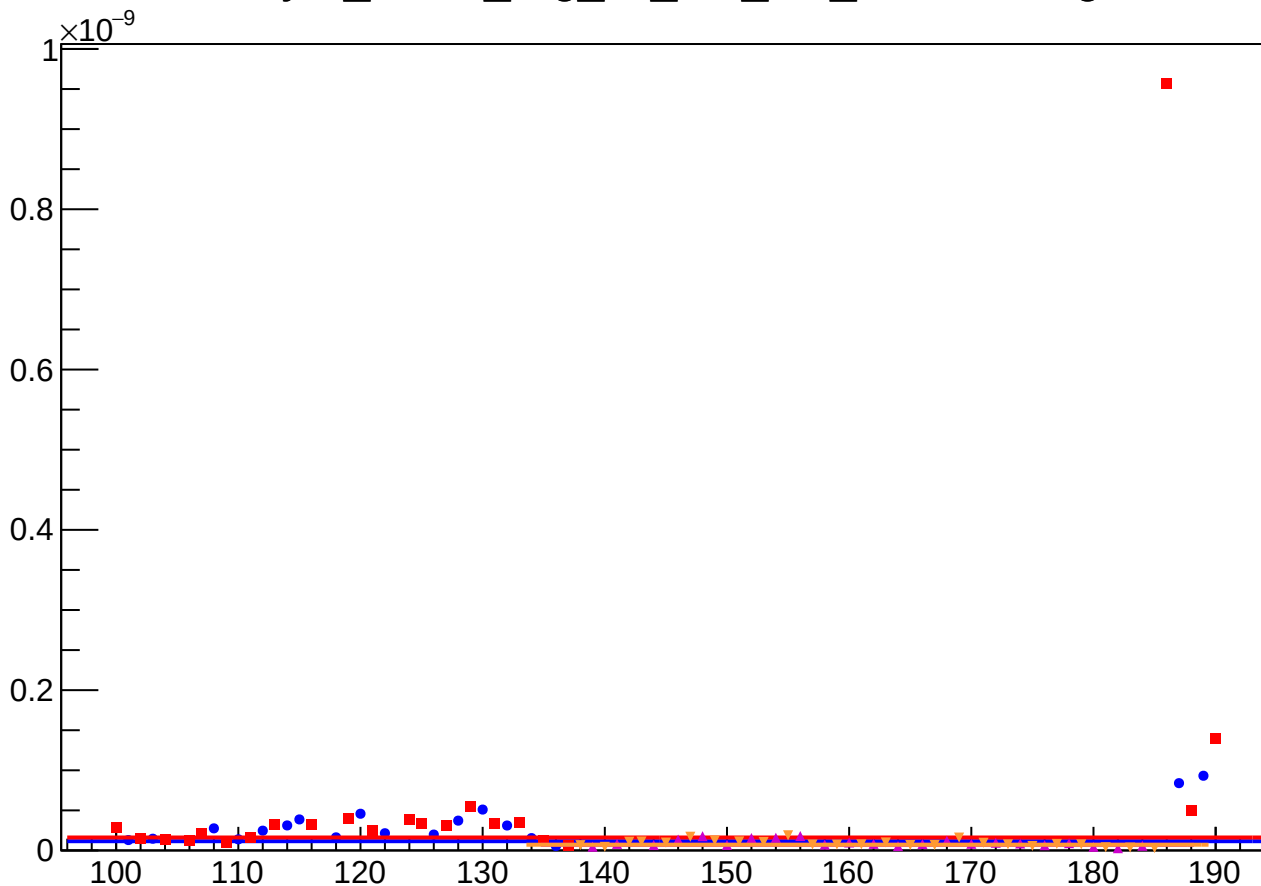
Left In: 0.000+/-0.000 χ^2/NDF : 21.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 41.8/42

All: 0.000+/-0.000 χ^2/NDF : 98.8/87

- sign 0.000+/-0.000 χ^2/NDF : 56.6/44

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2337368.4/17

Left Out: 0.000+/-0.000 χ^2/NDF :1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2579124.7/21

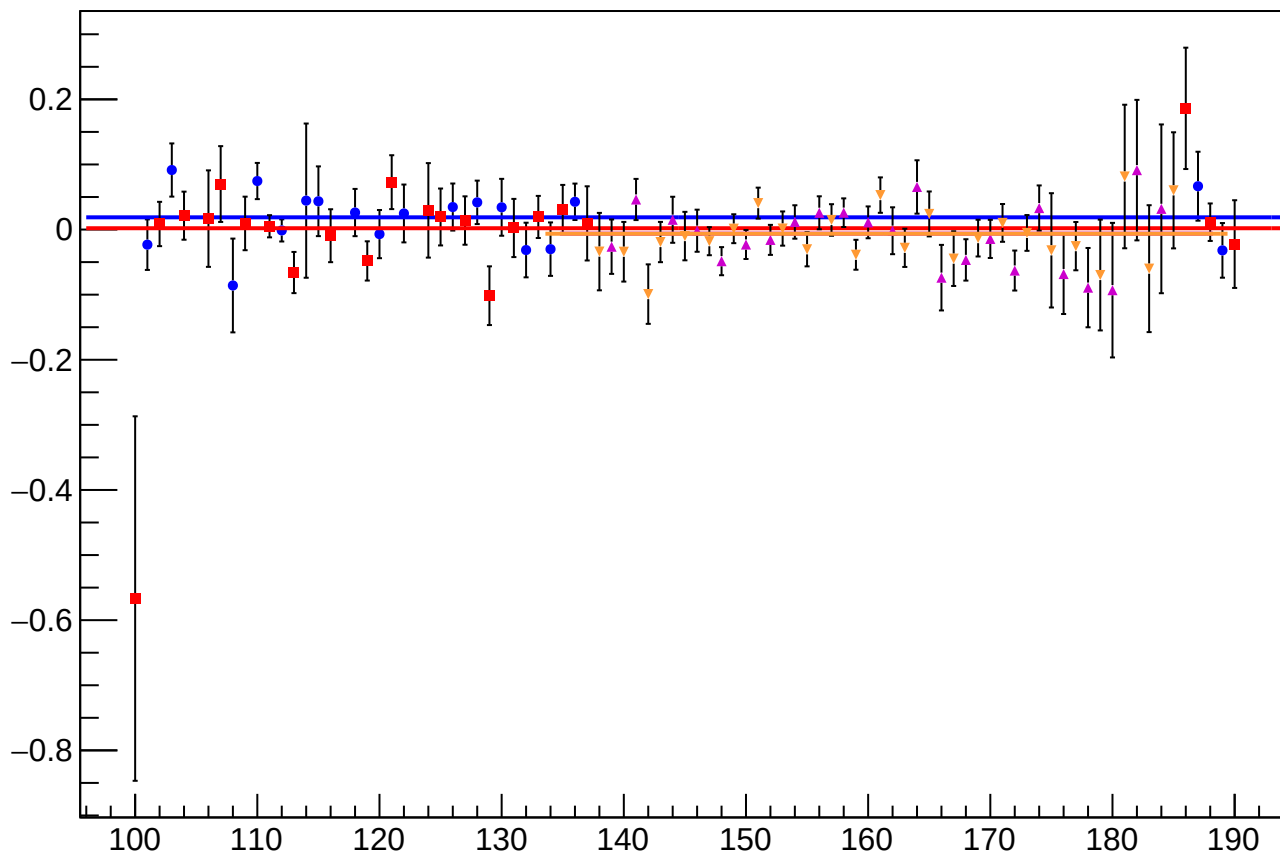
Left In: 0.000+/-0.000 χ^2/NDF :2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 4790971.3/42

All: 0.000+/-0.000 χ^2/NDF : 10904925.4/87

- sign 0.000+/-0.000 χ^2/NDF : 6108035.8/44

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 ± 0.008 χ^2/NDF : 19.3/17

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: 0.002 ± 0.008 χ^2/NDF : 27.0/21

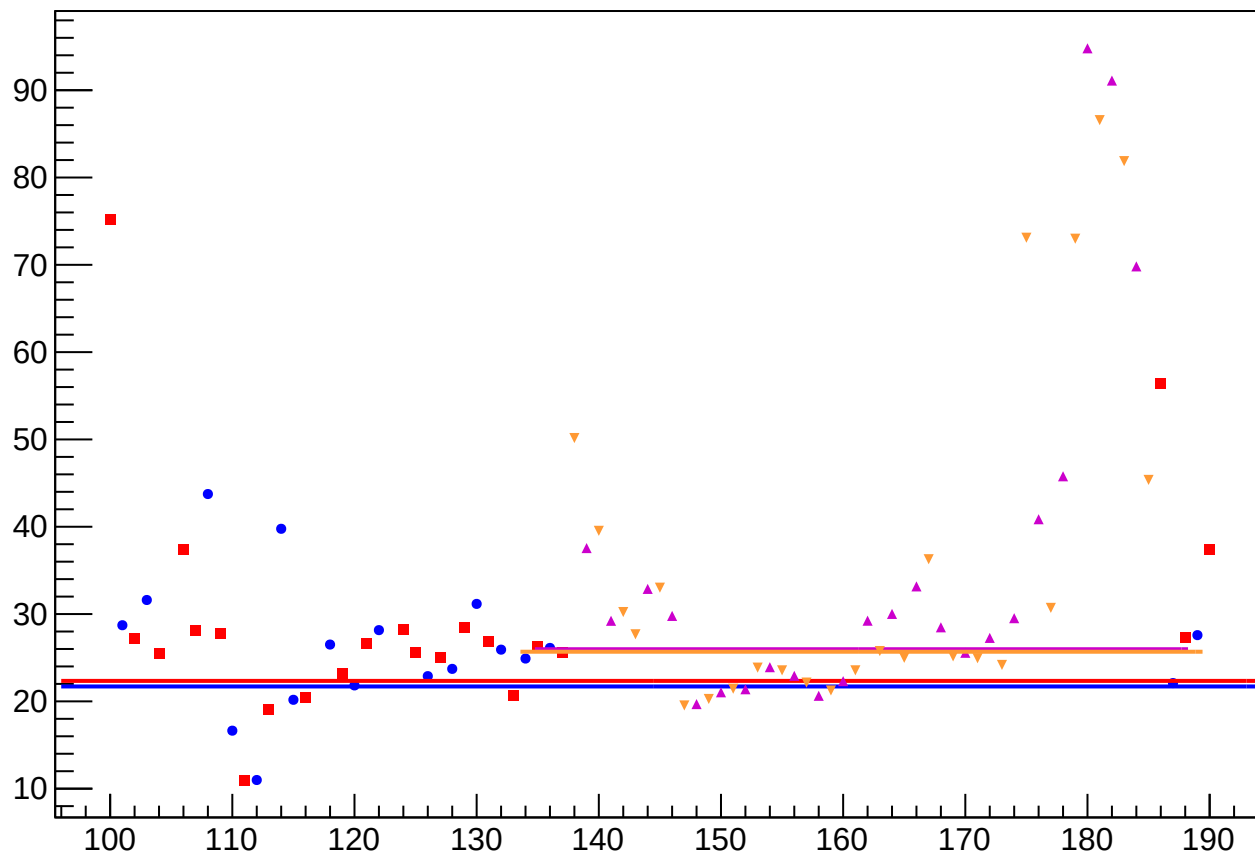
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign 0.003 ± 0.005 χ^2/NDF : 47.6/42

All: -0.000 ± 0.004 χ^2/NDF : 104.3/87

- sign -0.003 ± 0.005 χ^2/NDF : 56.1/44

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.706 ± 0.006 $\chi^2/\text{NDF}: 1581886.7/17$

Left Out: 25.685 ± 0.005 $\chi^2/\text{NDF}: 3871541.1/24$

Right Out: 22.345 ± 0.006 $\chi^2/\text{NDF}: 1762179.9/21$

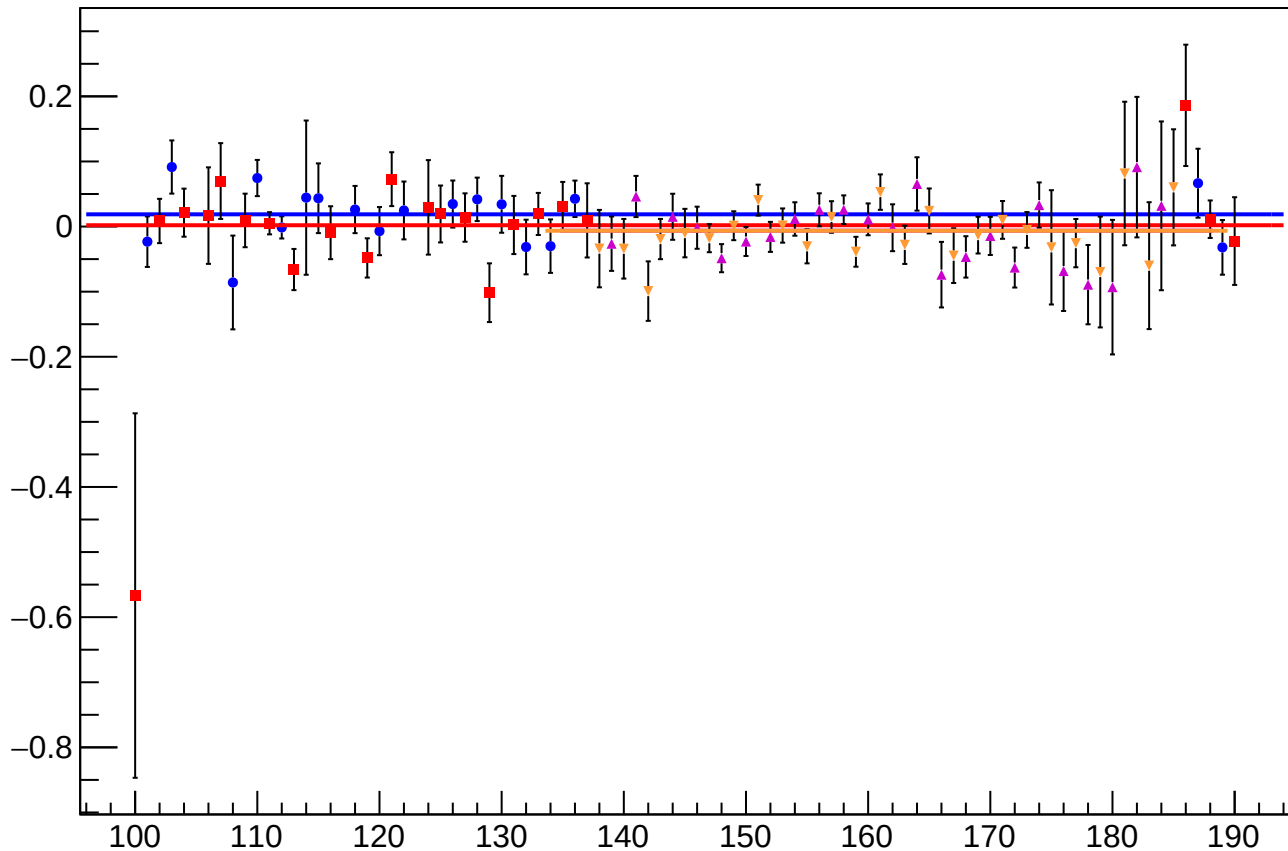
Left In: 25.972 ± 0.005 $\chi^2/\text{NDF}: 3118335.6/22$

+ sign 24.224 ± 0.004 $\chi^2/\text{NDF}: 5737661.2/42$

All: 24.367 ± 0.003 $\chi^2/\text{NDF}: 10862694.7/87$

- sign 24.511 ± 0.004 $\chi^2/\text{NDF}: 5121885.9/44$

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 ± 0.008 $\chi^2/\text{NDF}: 19.3/17$

Left Out: -0.006 ± 0.006 $\chi^2/\text{NDF}: 22.6/24$

Right Out: 0.002 ± 0.008 $\chi^2/\text{NDF}: 27.0/21$

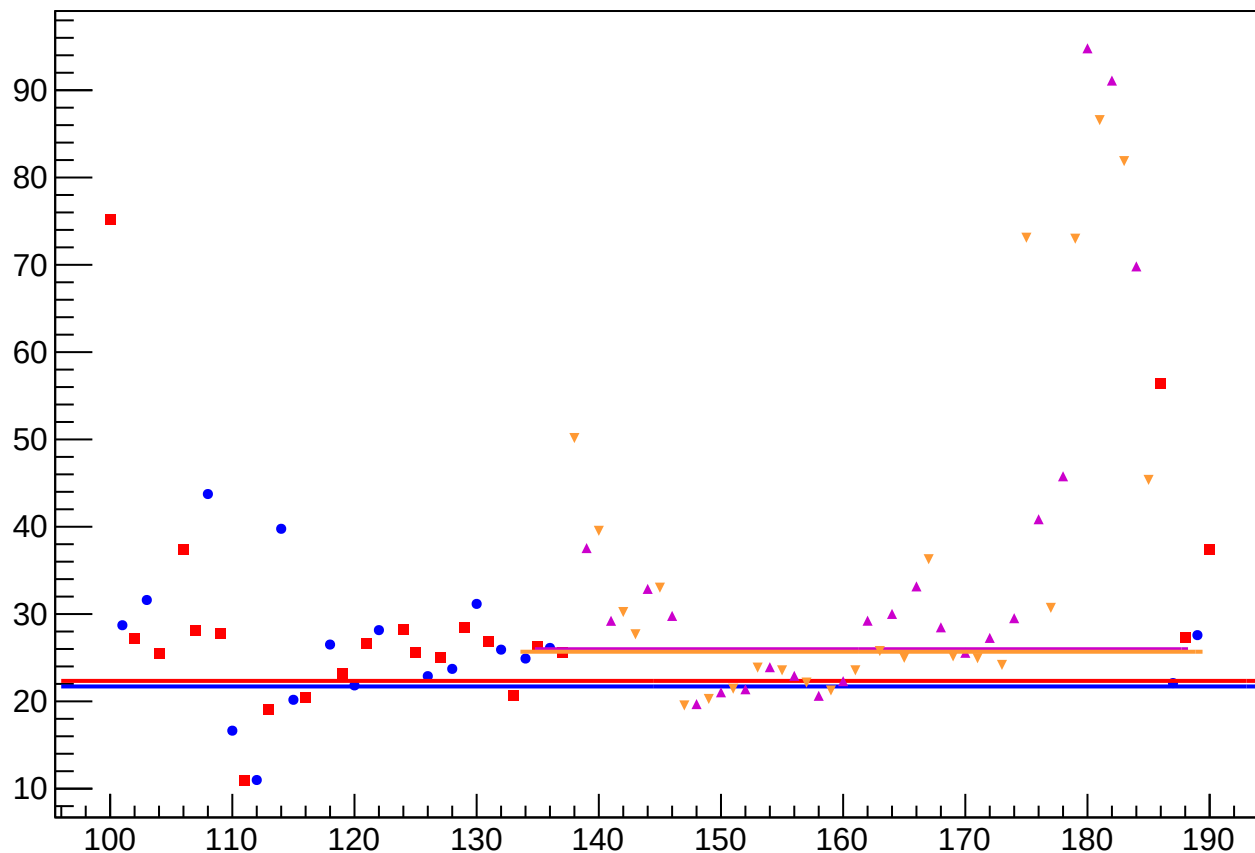
Left In: -0.006 ± 0.007 $\chi^2/\text{NDF}: 28.4/22$

+ sign 0.003 ± 0.005 $\chi^2/\text{NDF}: 47.6/42$

All: -0.000 ± 0.004 $\chi^2/\text{NDF}: 104.3/87$

- sign -0.003 ± 0.005 $\chi^2/\text{NDF}: 56.1/44$

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.706 $\pm$ 0.006 χ^2 /NDF: 1581886.7/17

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871541.1/24

Right Out: 22.345 $\pm$ 0.006 χ^2 /NDF: 1762179.9/21

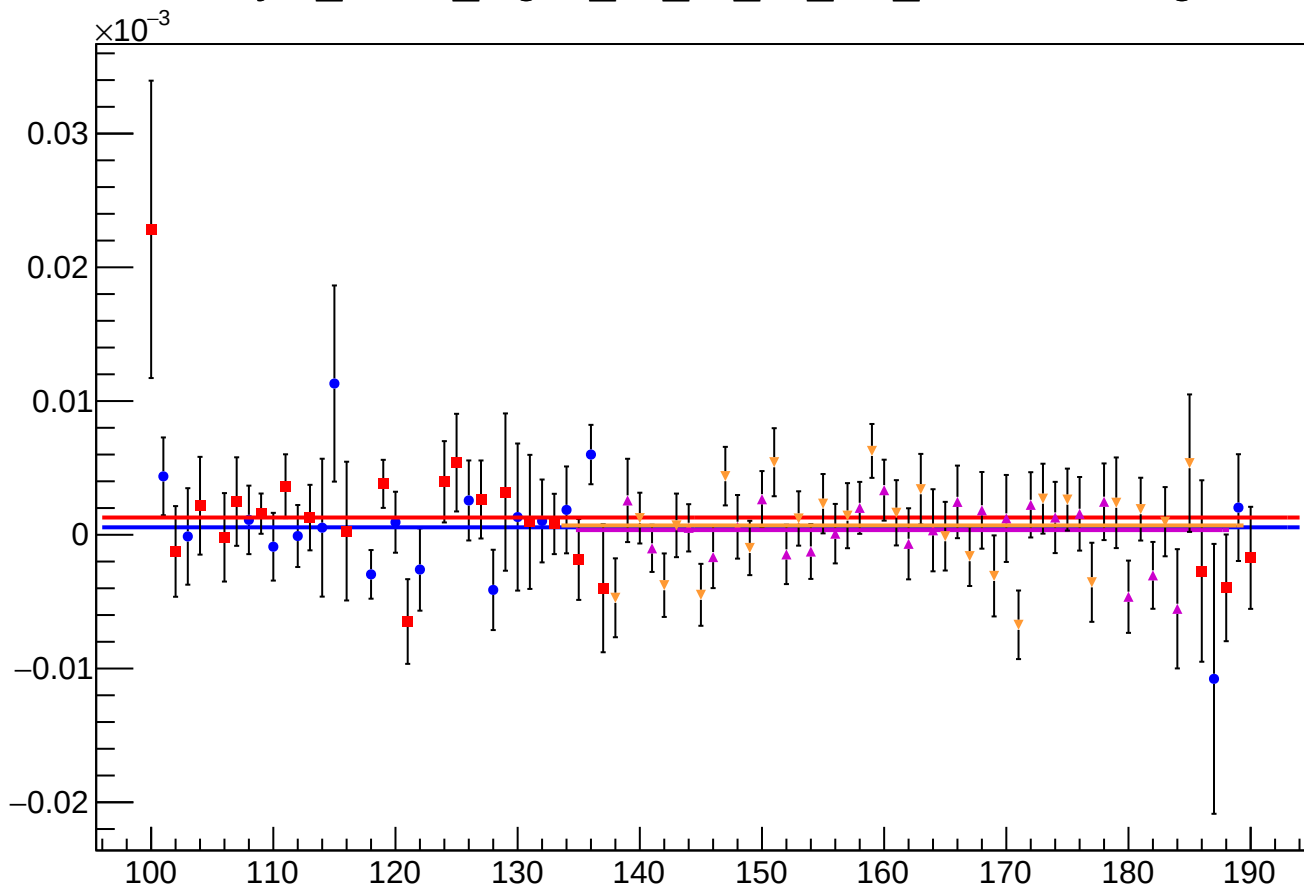
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118335.6/22

+ sign 24.224 $\pm$ 0.004 χ^2 /NDF: 5737661.2/42

All: 24.367 $\pm$ 0.003 χ^2 /NDF: 10862694.7/87

- sign 24.511 $\pm$ 0.004 χ^2 /NDF: 5121885.9/44

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 19.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 44.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.1/21

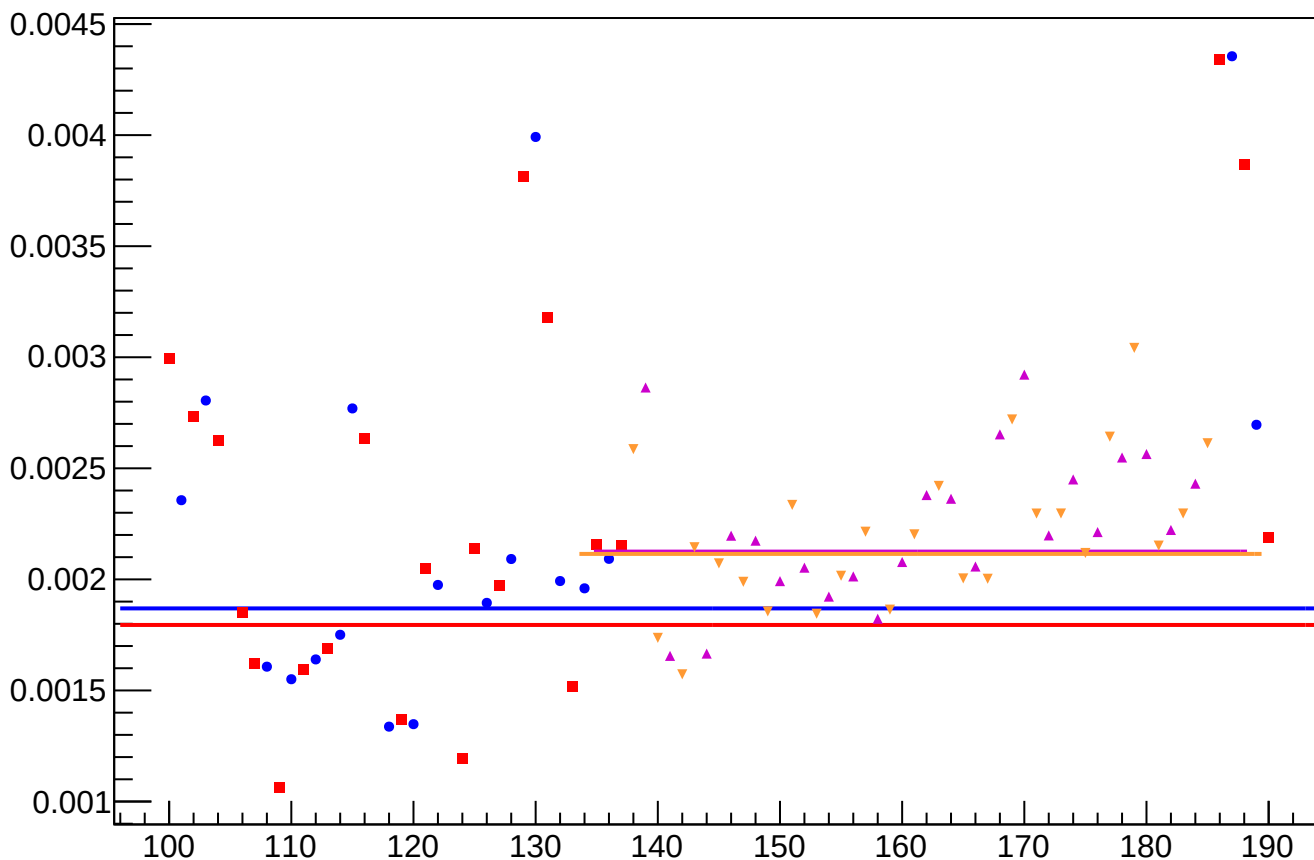
Left In: 0.000 ± 0.000 χ^2/NDF : 16.4/22

+ sign 0.000 ± 0.000 χ^2/NDF : 64.0/42

All: 0.000 ± 0.000 χ^2/NDF : 102.9/87

- sign 0.000 ± 0.000 χ^2/NDF : 38.9/44

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1113365.1/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 743658.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2358939.7/21

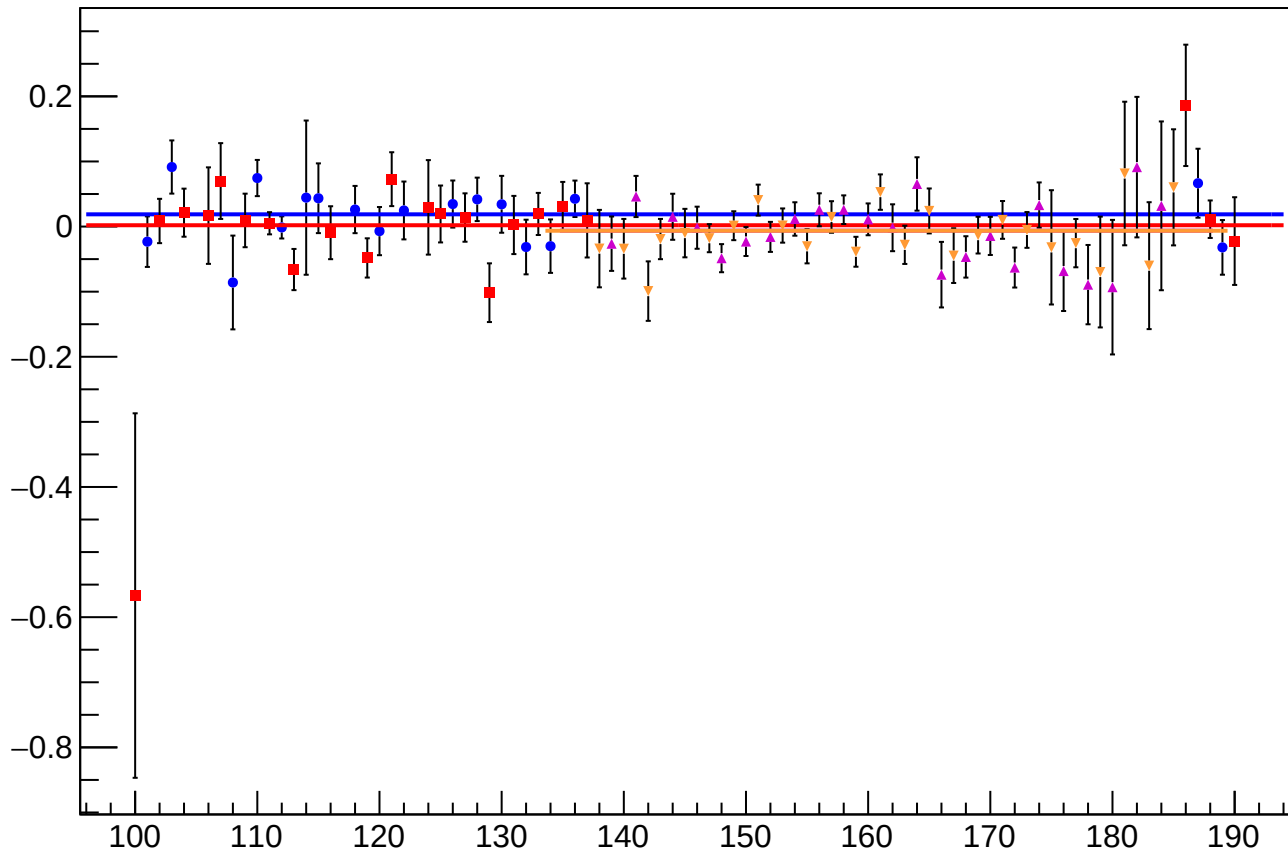
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 837770.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2024621.4/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5559302.5/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3526665.6/44

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019 $\pm$ 0.008 χ^2 /NDF: 19.3/17

Left Out: -0.006 $\pm$ 0.006 χ^2 /NDF: 22.6/24

Right Out: 0.002 $\pm$ 0.008 χ^2 /NDF: 27.0/21

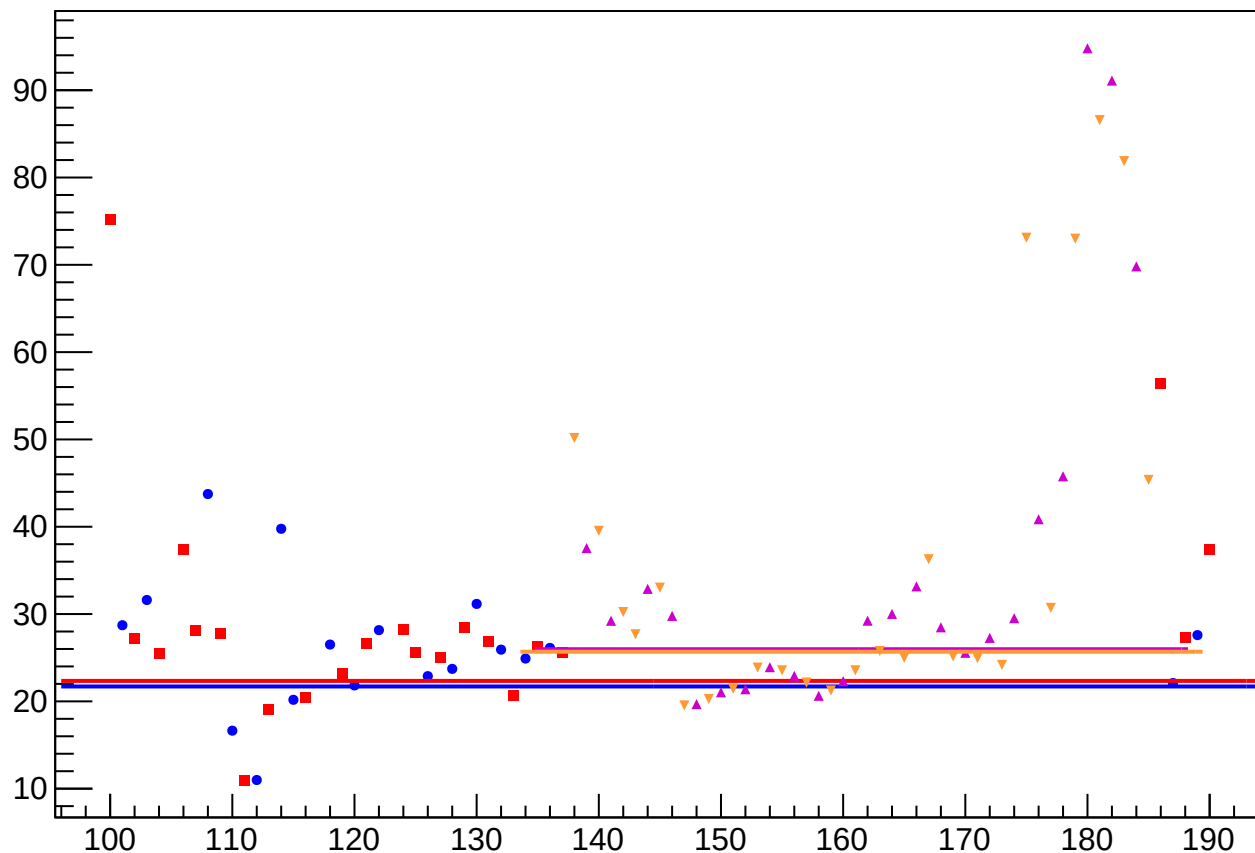
Left In: -0.006 $\pm$ 0.007 χ^2 /NDF: 28.4/22

+ sign 0.003 $\pm$ 0.005 χ^2 /NDF: 47.6/42

All: -0.000 $\pm$ 0.004 χ^2 /NDF: 104.3/87

- sign -0.003 $\pm$ 0.005 χ^2 /NDF: 56.1/44

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.705 $\pm$ 0.006 χ^2 /NDF: 1582055.7/17

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871544.4/24

Right Out: 22.344 $\pm$ 0.006 χ^2 /NDF: 1762312.4/21

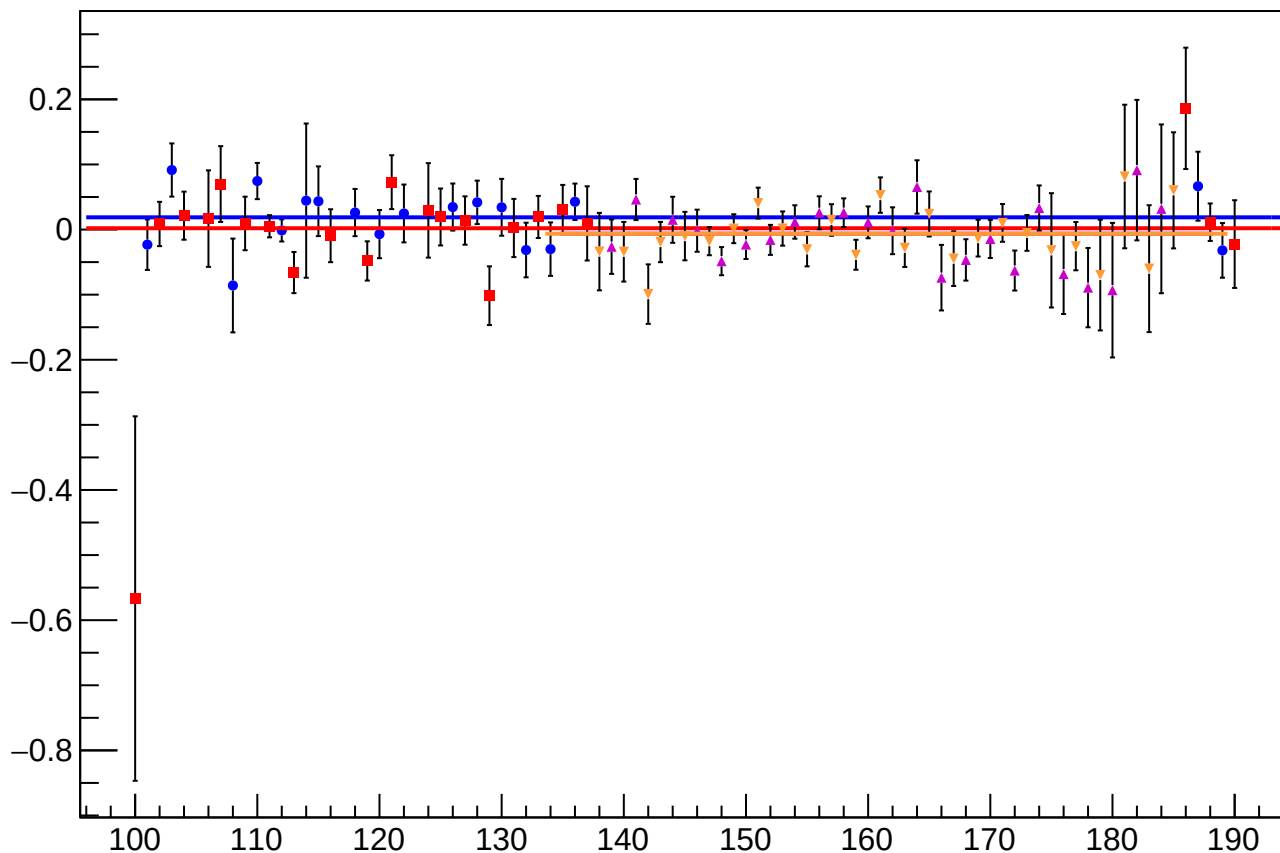
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118315.0/22

+ sign 24.224 $\pm$ 0.004 χ^2 /NDF: 5737933.9/42

All: 24.366 $\pm$ 0.003 χ^2 /NDF: 10863192.2/87

- sign 24.511 $\pm$ 0.004 χ^2 /NDF: 5122111.9/44

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019 ± 0.008 χ^2/NDF : 19.3/17

Left Out: -0.006 ± 0.006 χ^2/NDF : 22.6/24

Right Out: 0.002 ± 0.008 χ^2/NDF : 27.0/21

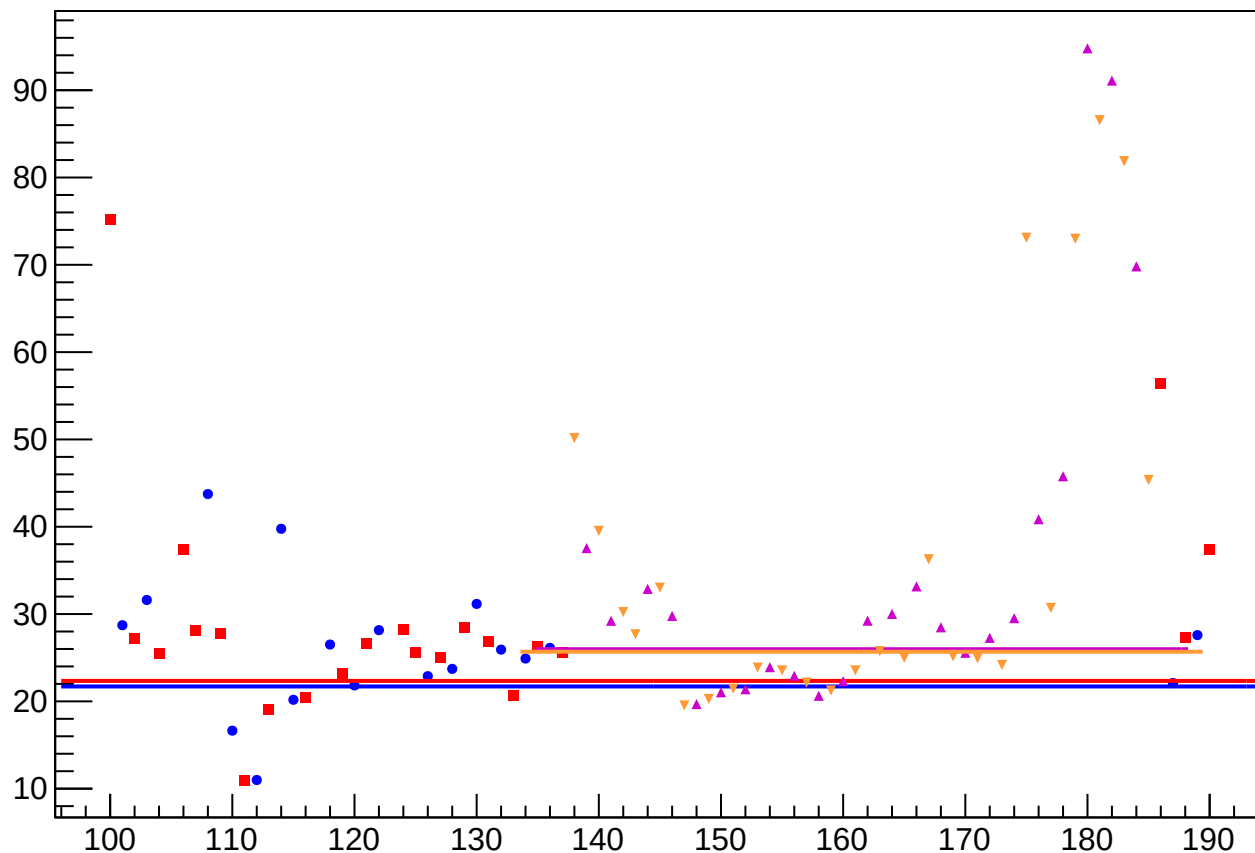
Left In: -0.006 ± 0.007 χ^2/NDF : 28.4/22

+ sign 0.003 ± 0.005 χ^2/NDF : 47.6/42

All: -0.000 ± 0.004 χ^2/NDF : 104.3/87

- sign -0.003 ± 0.005 χ^2/NDF : 56.1/44

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.705 $\pm$ 0.006 χ^2 /NDF: 1582055.7/17

Left Out: 25.685 $\pm$ 0.005 χ^2 /NDF: 3871544.4/24

Right Out: 22.344 $\pm$ 0.006 χ^2 /NDF: 1762312.4/21

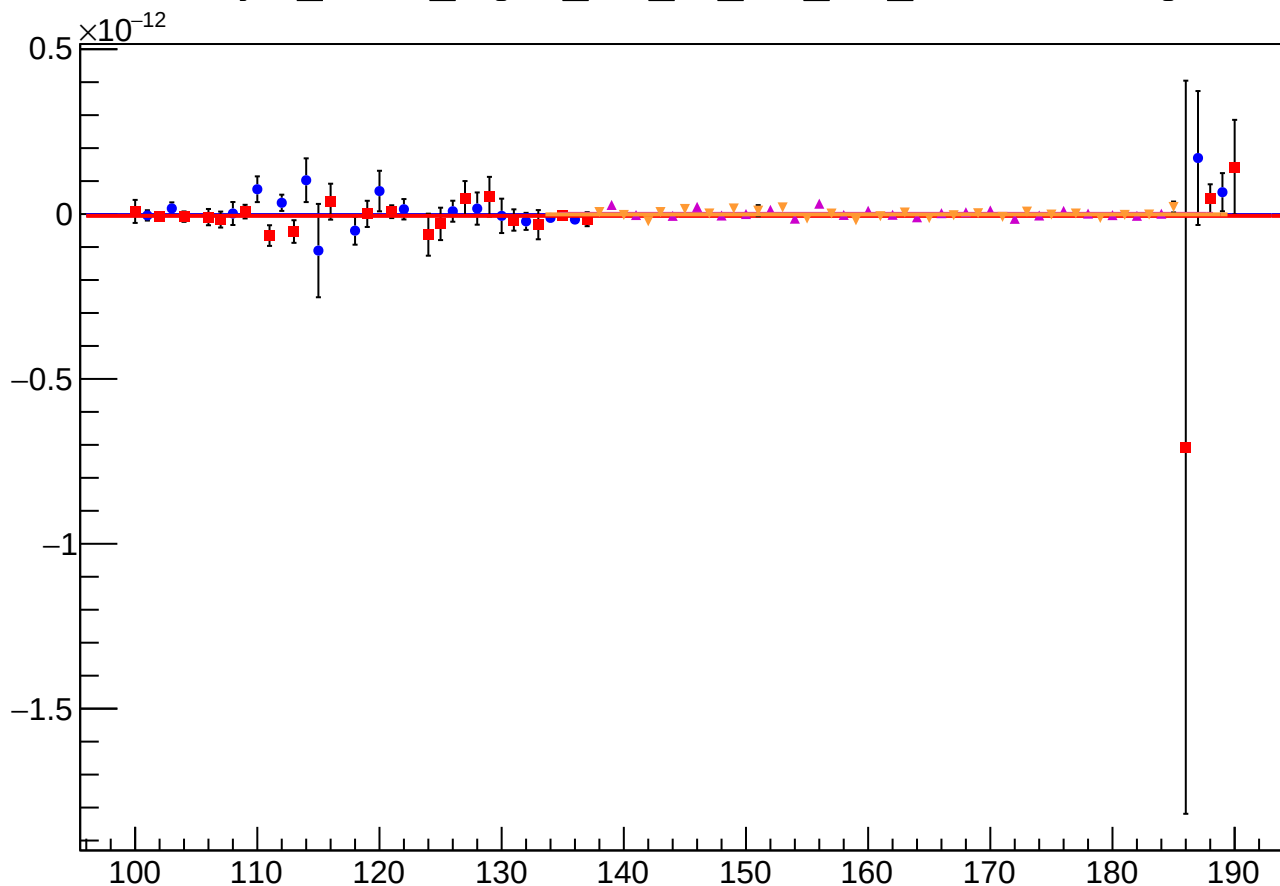
Left In: 25.972 $\pm$ 0.005 χ^2 /NDF: 3118315.0/22

+ sign 24.224 $\pm$ 0.004 χ^2 /NDF: 5737933.9/42

All: 24.366 $\pm$ 0.003 χ^2 /NDF: 10863192.2/87

- sign 24.511 $\pm$ 0.004 χ^2 /NDF: 5122111.9/44

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.4/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 28.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 14.1/21

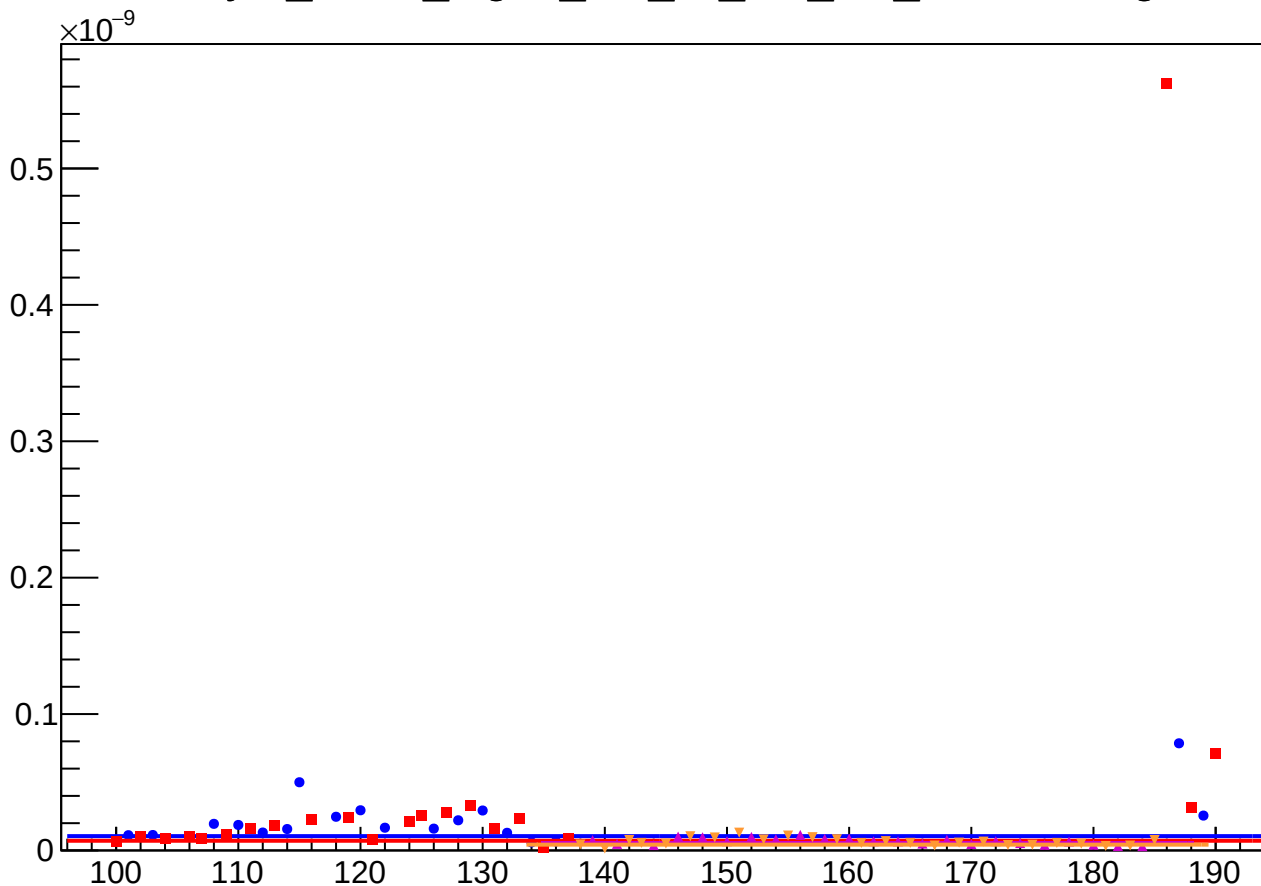
Left In: 0.000 ± 0.000 χ^2/NDF : 29.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 48.3/42

All: -0.000 ± 0.000 χ^2/NDF : 93.9/87

- sign -0.000 ± 0.000 χ^2/NDF : 45.4/44

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2313490.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5516772.5/21

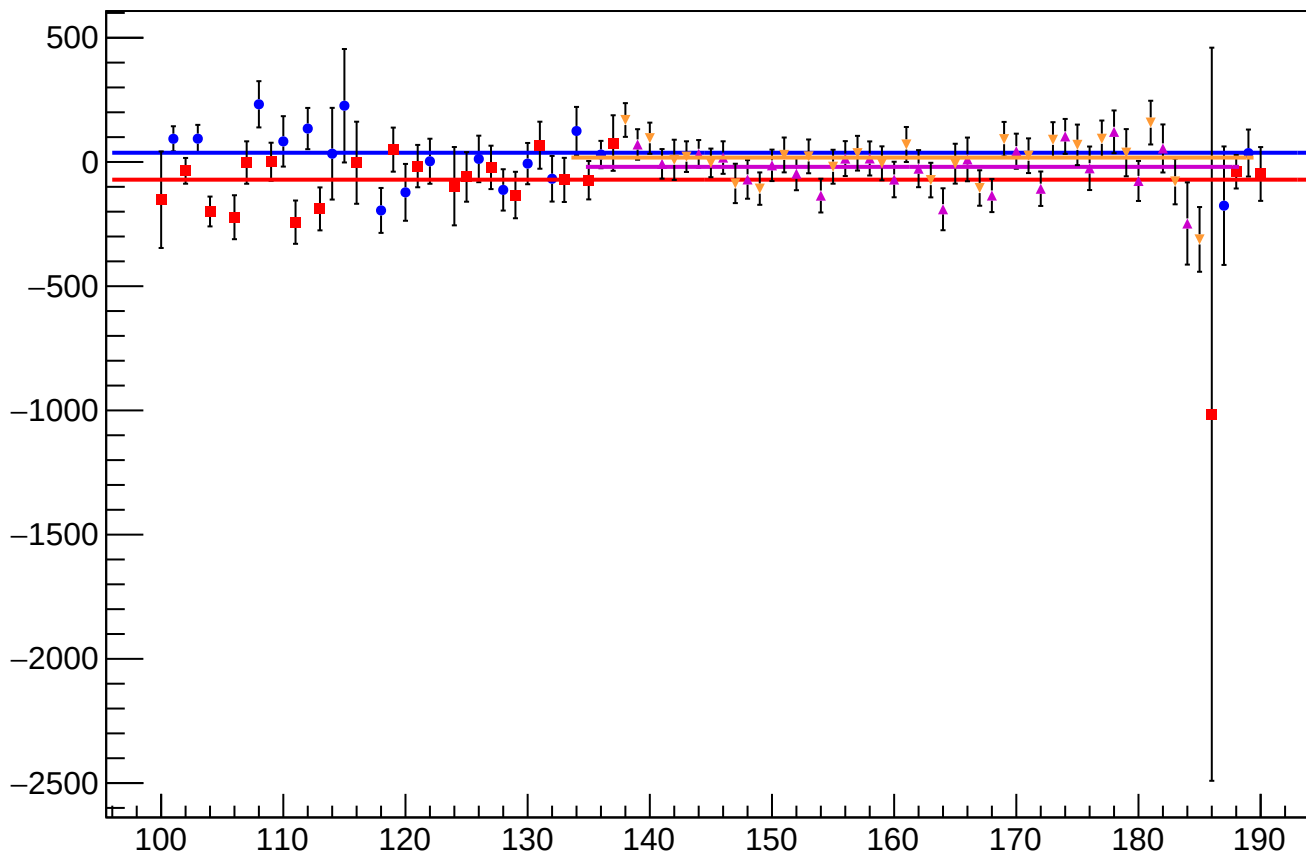
Left In: 0.000+/-0.000 χ^2/NDF : 2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 10163782.1/42

All: 0.000+/-0.000 χ^2/NDF : 19250406.2/87

- sign 0.000+/-0.000 χ^2/NDF : 8585122.3/44

reg_asym_sam_15_avg_mean vs Slug



Right In: 37.163 ± 19.885 $\chi^2/\text{NDF}: 24.1/17$

Left Out: 17.800 ± 14.495 $\chi^2/\text{NDF}: 31.6/24$

Right Out: -71.226 ± 18.710 $\chi^2/\text{NDF}: 23.2/21$

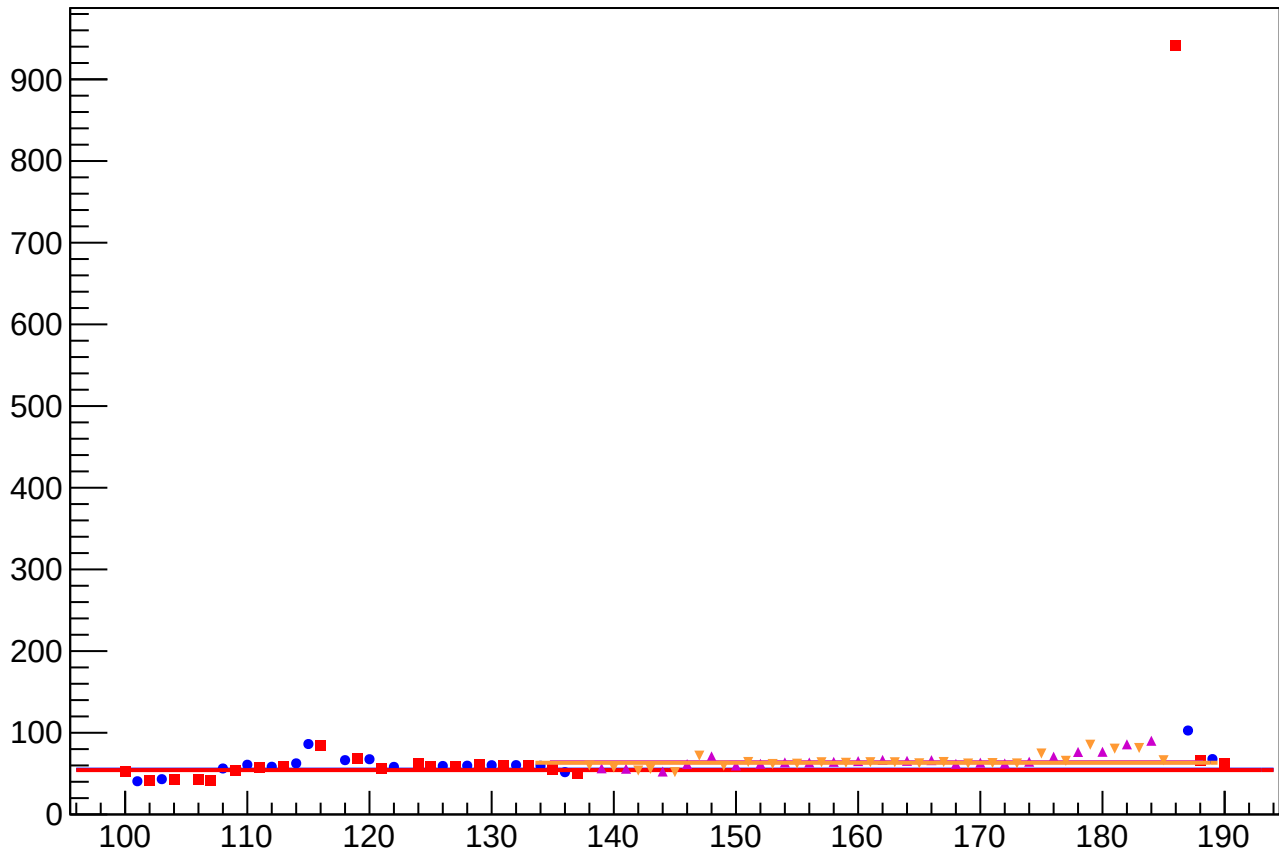
Left In: -19.642 ± 15.040 $\chi^2/\text{NDF}: 26.2/22$

+ sign 24.519 ± 11.713 $\chi^2/\text{NDF}: 56.3/42$

All: -7.662 ± 8.286 $\chi^2/\text{NDF}: 125.4/87$

- sign -39.891 ± 11.722 $\chi^2/\text{NDF}: 54.0/44$

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.865 $\pm$ 0.014 χ^2 /NDF: 515662.1/17

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 54.288 $\pm$ 0.013 χ^2 /NDF: 1224656.1/21

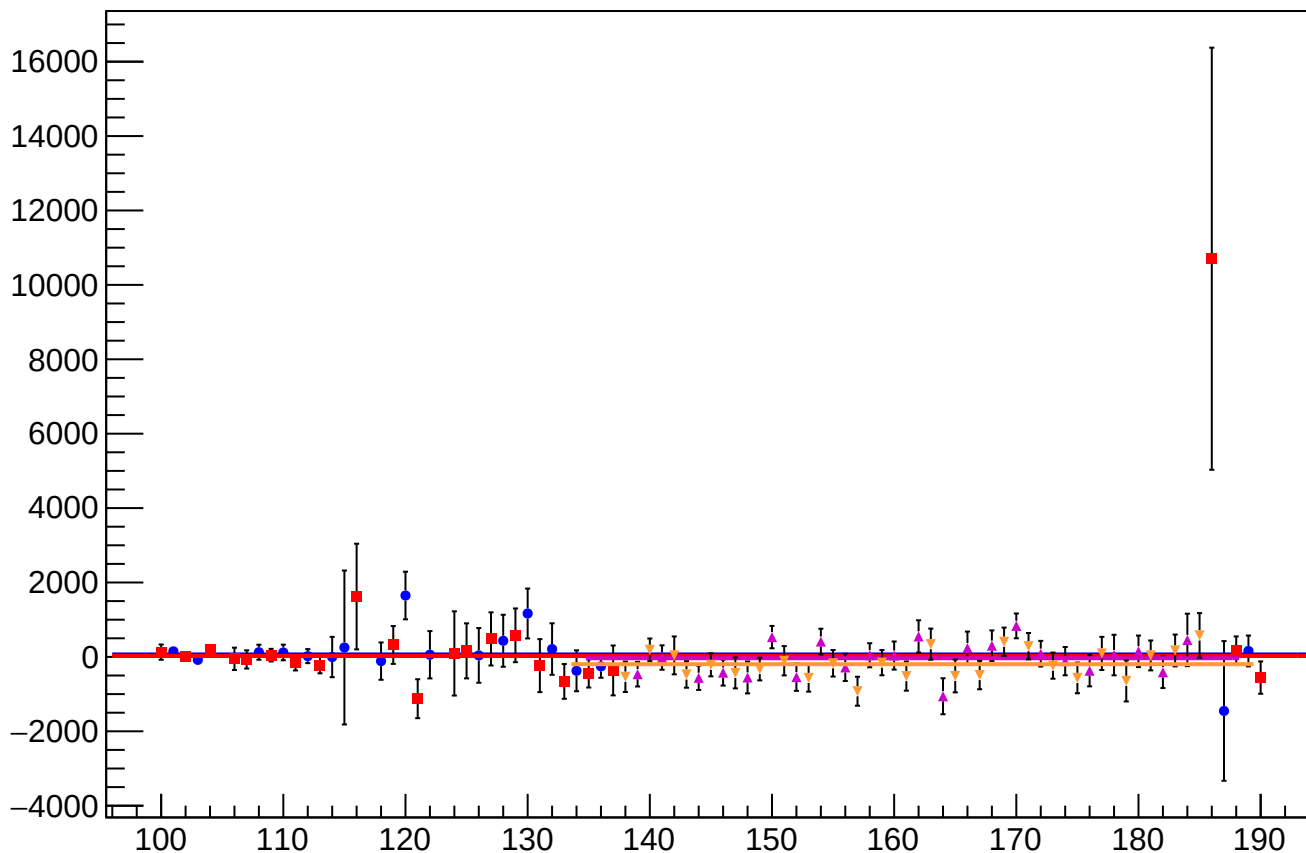
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 60.381 $\pm$ 0.008 χ^2 /NDF: 1248796.6/42

All: 60.260 $\pm$ 0.006 χ^2 /NDF: 3241049.1/87

- sign 60.138 $\pm$ 0.008 χ^2 /NDF: 1991821.9/44

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 66.100 $\pm$ 46.175 χ^2 /NDF: 16.4/17

Left Out: -195.947 $\pm$ 77.088 χ^2 /NDF:20.6/24

Right Out: 23.881 $\pm$ 49.504 χ^2 /NDF: 23.5/21

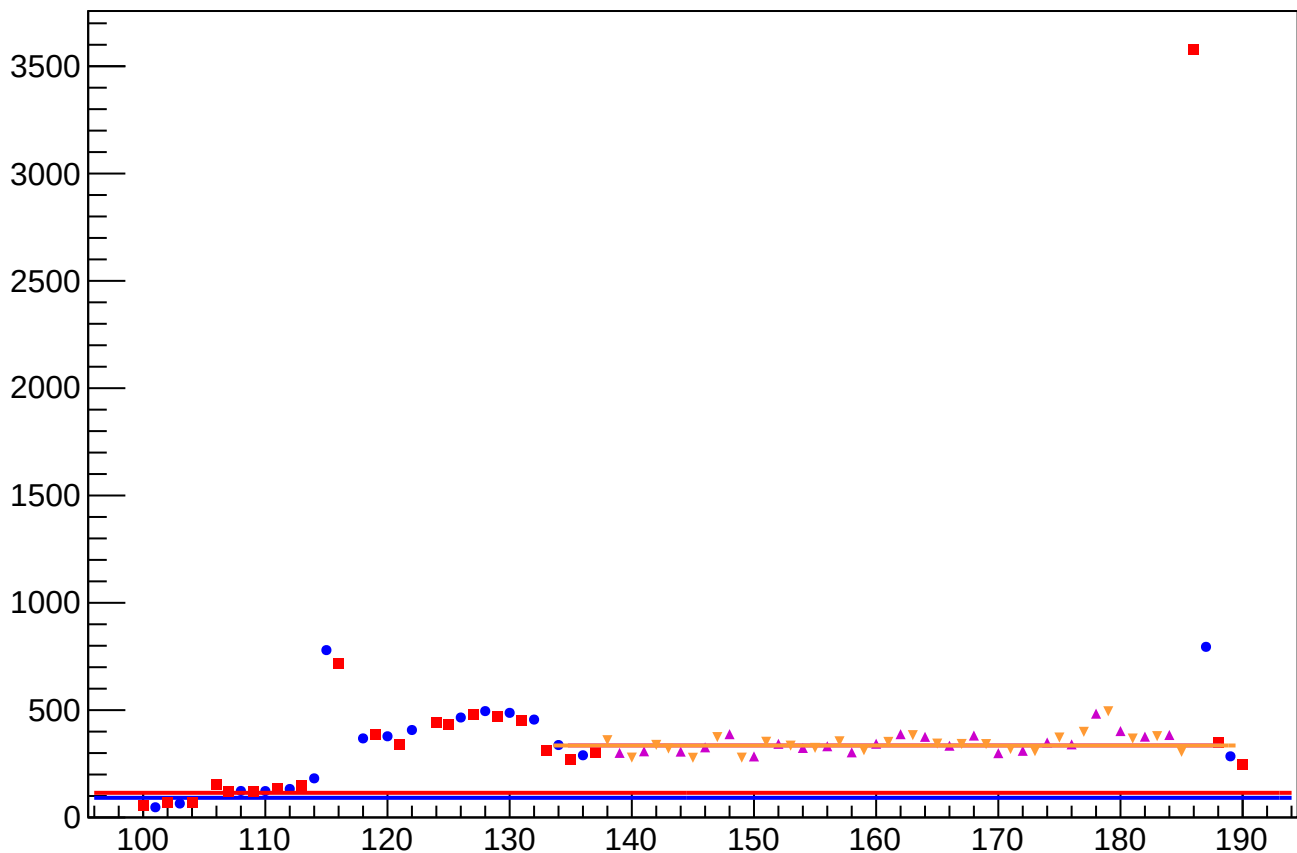
Left In: -36.417 $\pm$ 79.210 χ^2 /NDF:31.1/22

+ sign -3.094 $\pm$ 39.613 χ^2 /NDF: 45.5/42

All: 1.634 $\pm$ 28.811 χ^2 /NDF: 100.6/87

- sign 6.945 $\pm$ 41.980 χ^2 /NDF: 55.0/44

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 91.518+/-0.033 χ^2/NDF : 7370946.0/17

Left Out: 335.271+/-0.055 χ^2/NDF : 563801.0/24

Right Out: 114.785+/-0.035 χ^2/NDF : 7128366.2/21

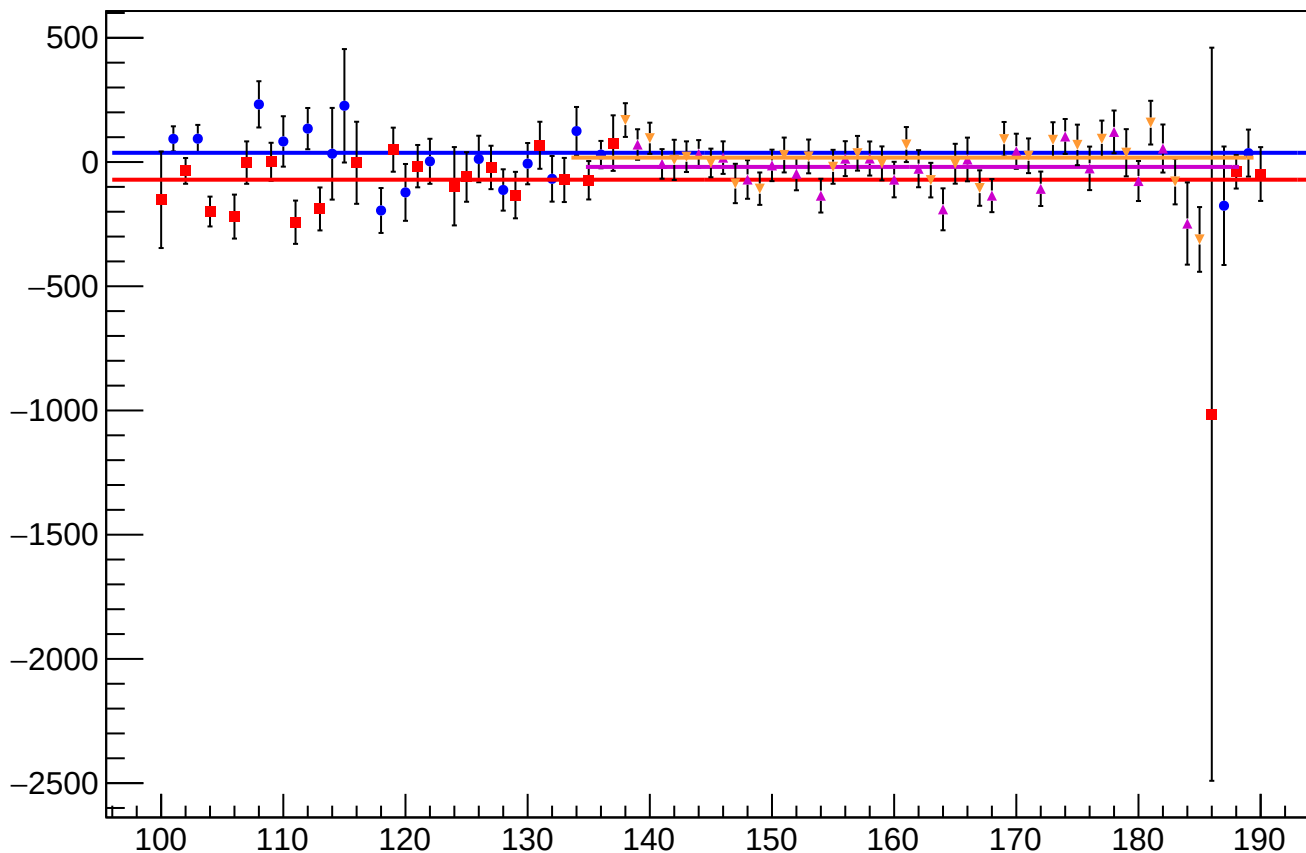
Left In: 335.526+/-0.056 χ^2/NDF : 495163.6/22

+ sign 155.881+/-0.028 χ^2/NDF : 22651189.9/42

All: 165.728+/-0.020 χ^2/NDF : 41706752.1/87

- sign 176.787+/-0.030 χ^2/NDF : 18793195.4/44

cor_asym_sam_15_avg_mean vs Slug



Right In: 37.174 ± 19.885 χ^2/NDF : 24.1/17

Left Out: 17.804 ± 14.495 χ^2/NDF : 31.6/24

Right Out: -71.103 ± 18.711 χ^2/NDF : 23.0/21

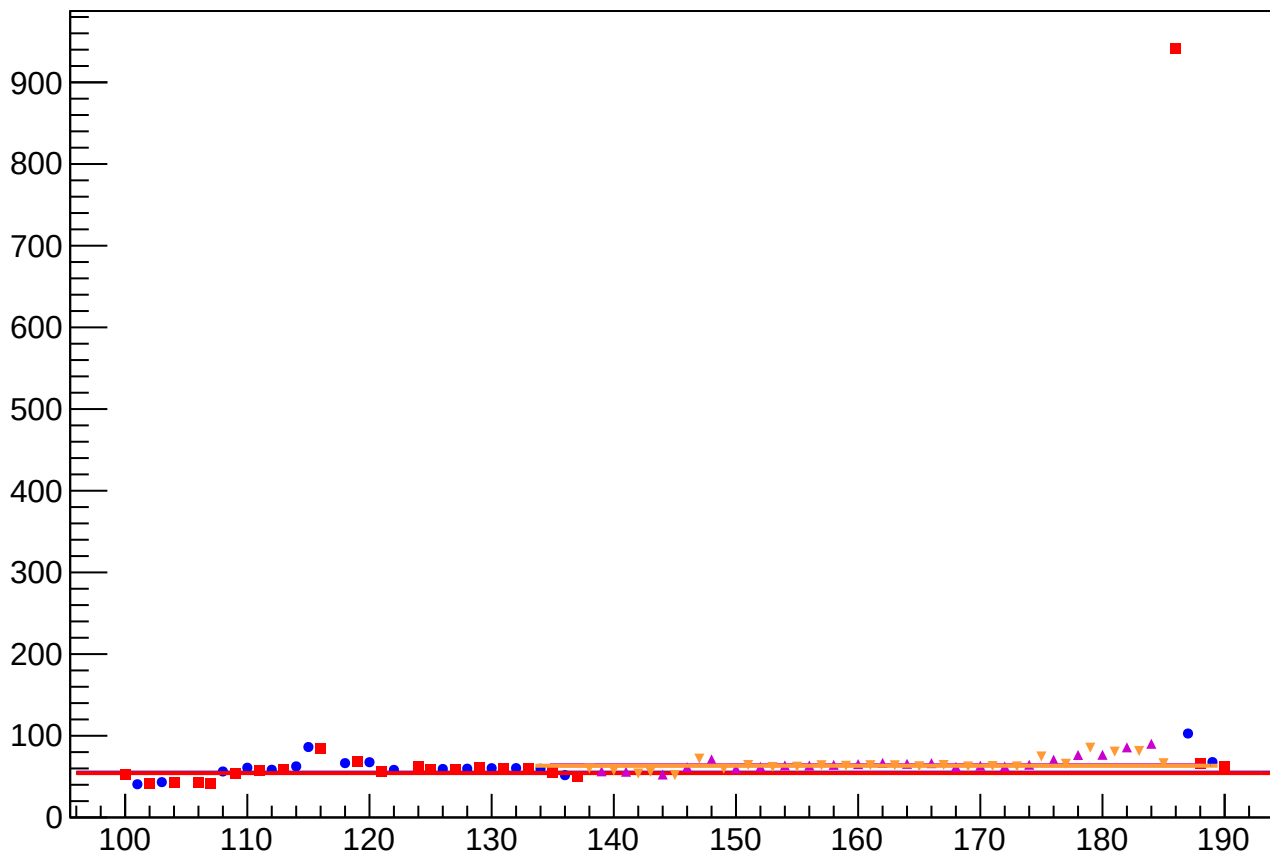
Left In: -19.642 ± 15.040 χ^2/NDF : 26.2/22

+ sign 24.525 ± 11.713 χ^2/NDF : 56.3/42

All: -7.633 ± 8.286 χ^2/NDF : 125.3/87

- sign -39.841 ± 11.722 χ^2/NDF : 53.9/44

cor_asym_sam_15_avg_rms vs Slug



Right In: 54.865 $\pm$ 0.014 χ^2 /NDF: 515661.4/17

Left Out: 63.312 $\pm$ 0.010 χ^2 /NDF: 497429.6/24

Right Out: 54.286 $\pm$ 0.013 χ^2 /NDF: 1224994.3/21

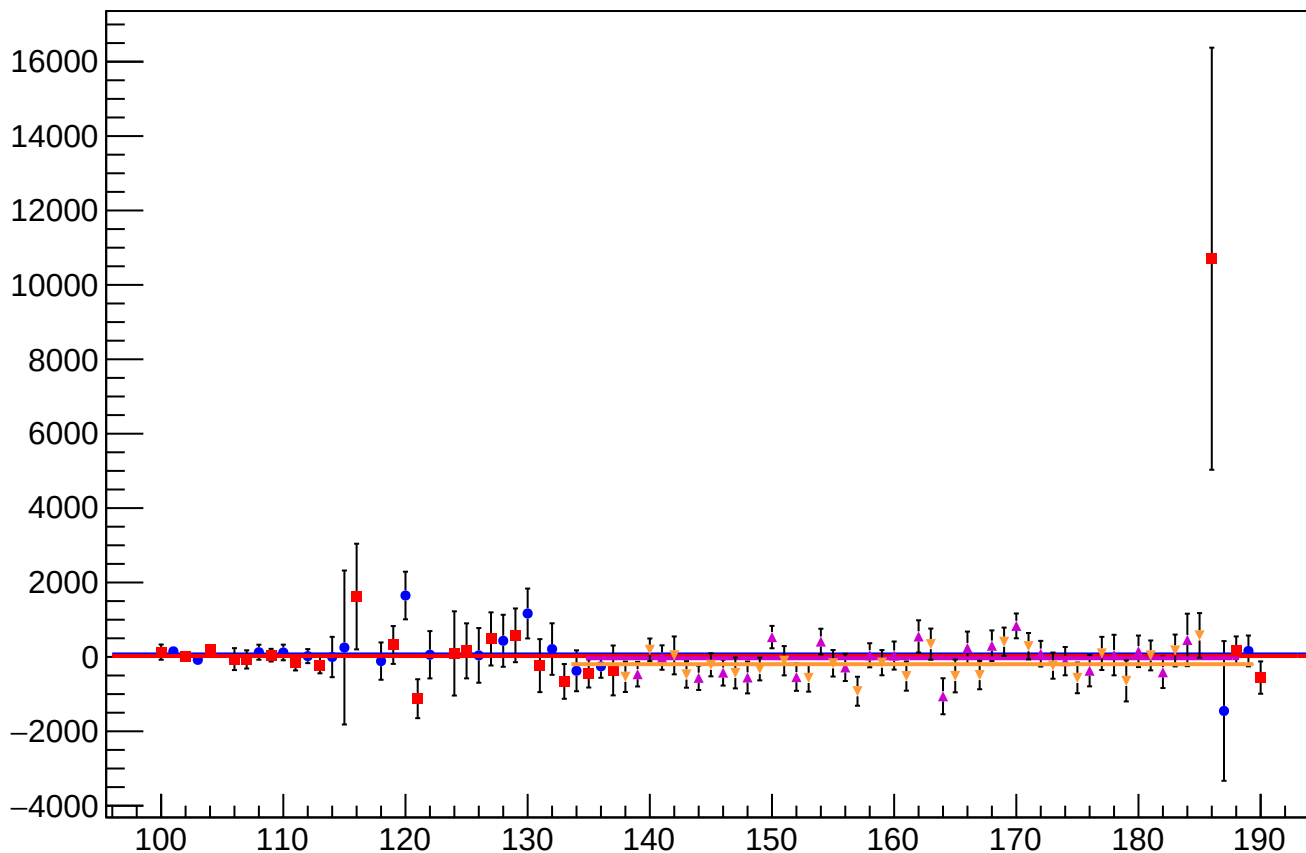
Left In: 63.918 $\pm$ 0.011 χ^2 /NDF: 445309.5/22

+ sign 60.381 $\pm$ 0.008 χ^2 /NDF: 1248795.5/42

All: 60.259 $\pm$ 0.006 χ^2 /NDF: 3241485.3/87

- sign 60.138 $\pm$ 0.008 χ^2 /NDF: 1992257.7/44

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 66.104 $\pm$ 46.174 χ^2 /NDF: 16.4/17

Left Out: -195.942 $\pm$ 77.088 χ^2 /NDF:20.6/24

Right Out: 23.457 $\pm$ 49.463 χ^2 /NDF: 23.5/21

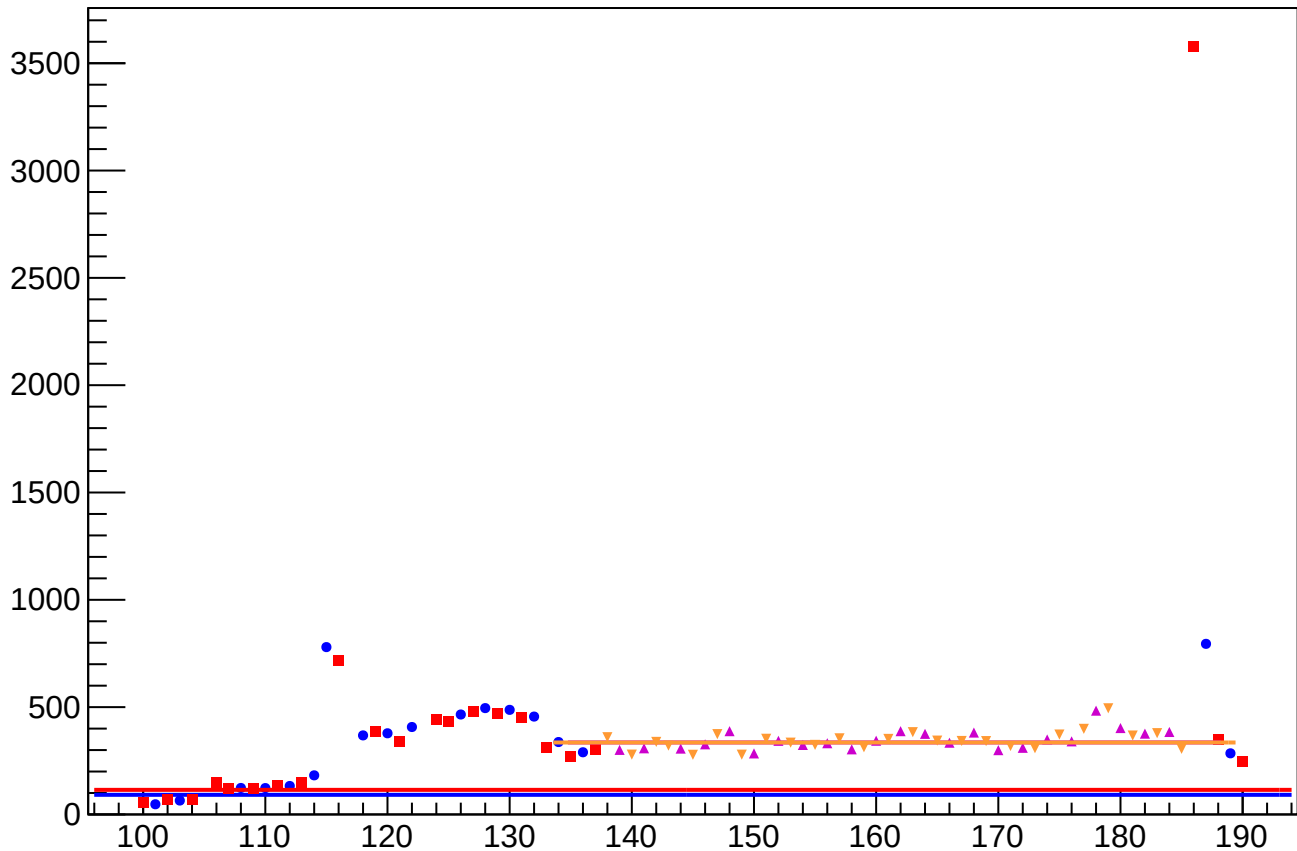
Left In: -36.414 $\pm$ 79.210 χ^2 /NDF:31.1/22

+ sign -3.088 $\pm$ 39.612 χ^2 /NDF: 45.5/42

All: 1.507 $\pm$ 28.803 χ^2 /NDF: 100.6/87

- sign 6.660 $\pm$ 41.955 χ^2 /NDF: 55.0/44

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 91.515+/-0.033 χ^2/NDF : 7371039.4/17

Left Out: 335.271+/-0.055 χ^2/NDF : 563797.0/24

Right Out: 114.601+/-0.035 χ^2/NDF : 7122251.5/21

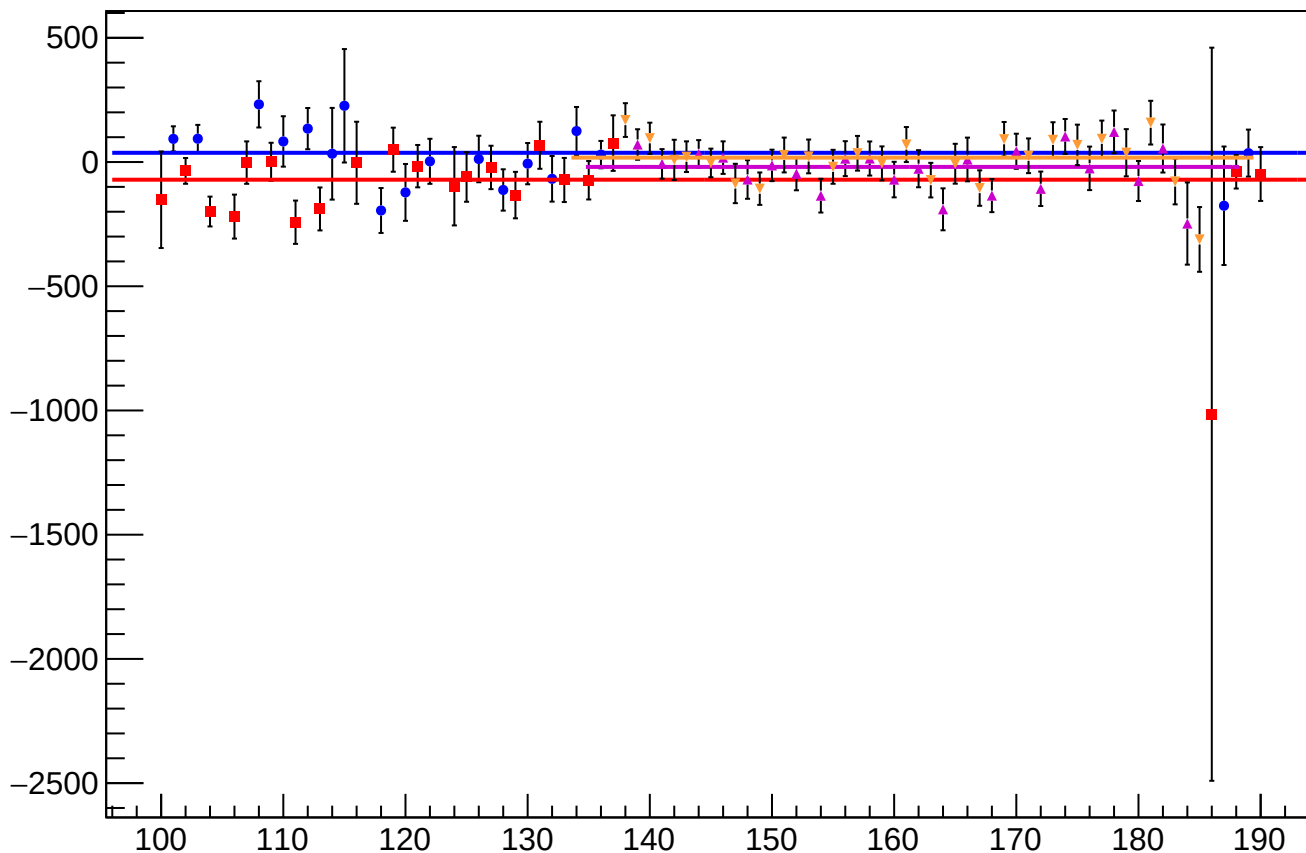
Left In: 335.526+/-0.056 χ^2/NDF : 495170.0/22

+ sign 155.877+/-0.028 χ^2/NDF : 22651773.5/42

All: 165.635+/-0.020 χ^2/NDF : 41720111.6/87

- sign 176.581+/-0.030 χ^2/NDF : 18810841.4/44

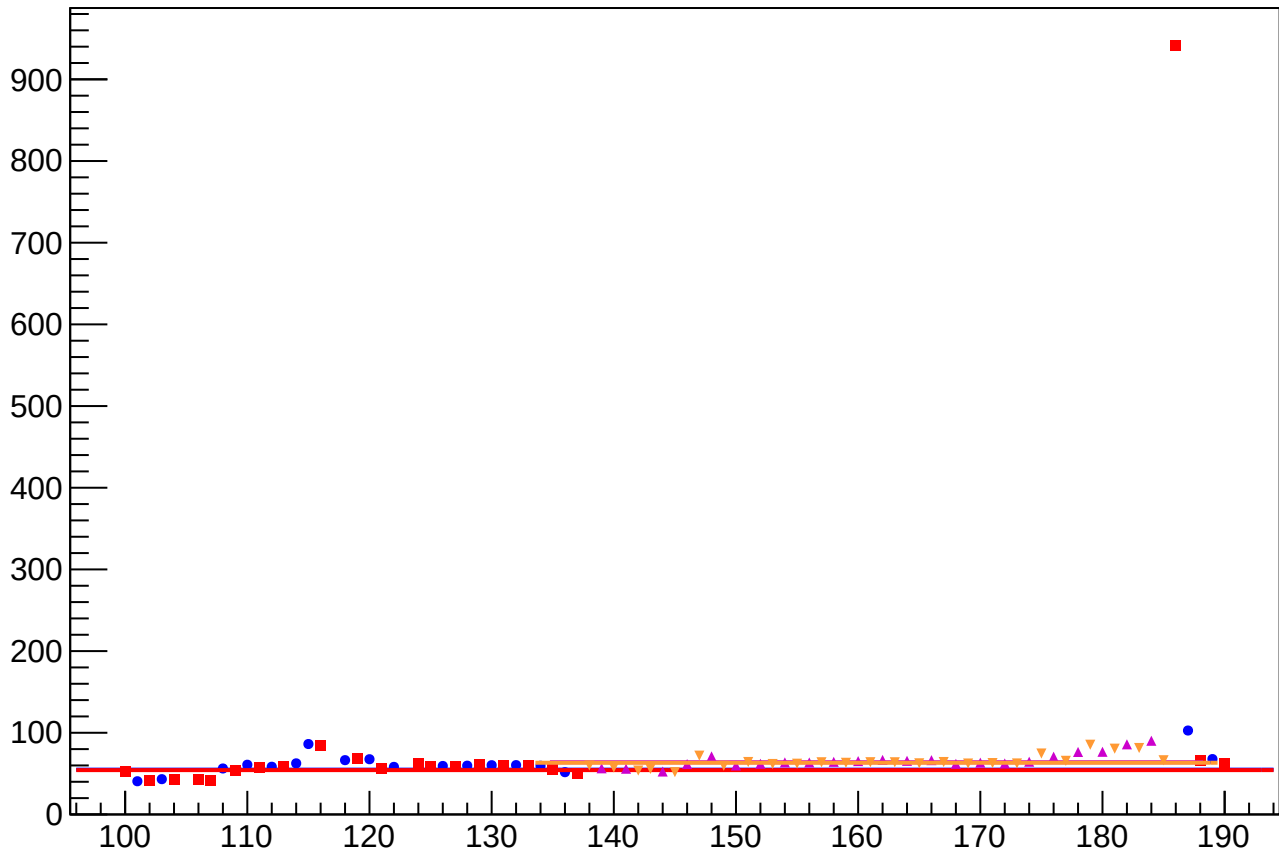
eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 37.174 ± 19.885 $\chi^2/\text{NDF}: 24.1/17$
 Left Out: 17.804 ± 14.495 $\chi^2/\text{NDF}: 31.6/24$
 Right Out: -71.103 ± 18.711 $\chi^2/\text{NDF}: 23.0/21$
 Left In: -19.642 ± 15.040 $\chi^2/\text{NDF}: 26.2/22$

+ sign 24.525 ± 11.713 $\chi^2/\text{NDF}: 56.3/42$
 All: -7.633 ± 8.286 $\chi^2/\text{NDF}: 125.3/87$
 - sign -39.841 ± 11.722 $\chi^2/\text{NDF}: 53.9/44$

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 54.865+/-0.014 χ^2/NDF : 515661.4/17

Left Out: 63.312+/-0.010 χ^2/NDF : 497429.6/24

Right Out: 54.286+/-0.013 χ^2/NDF : 1224994.3/21

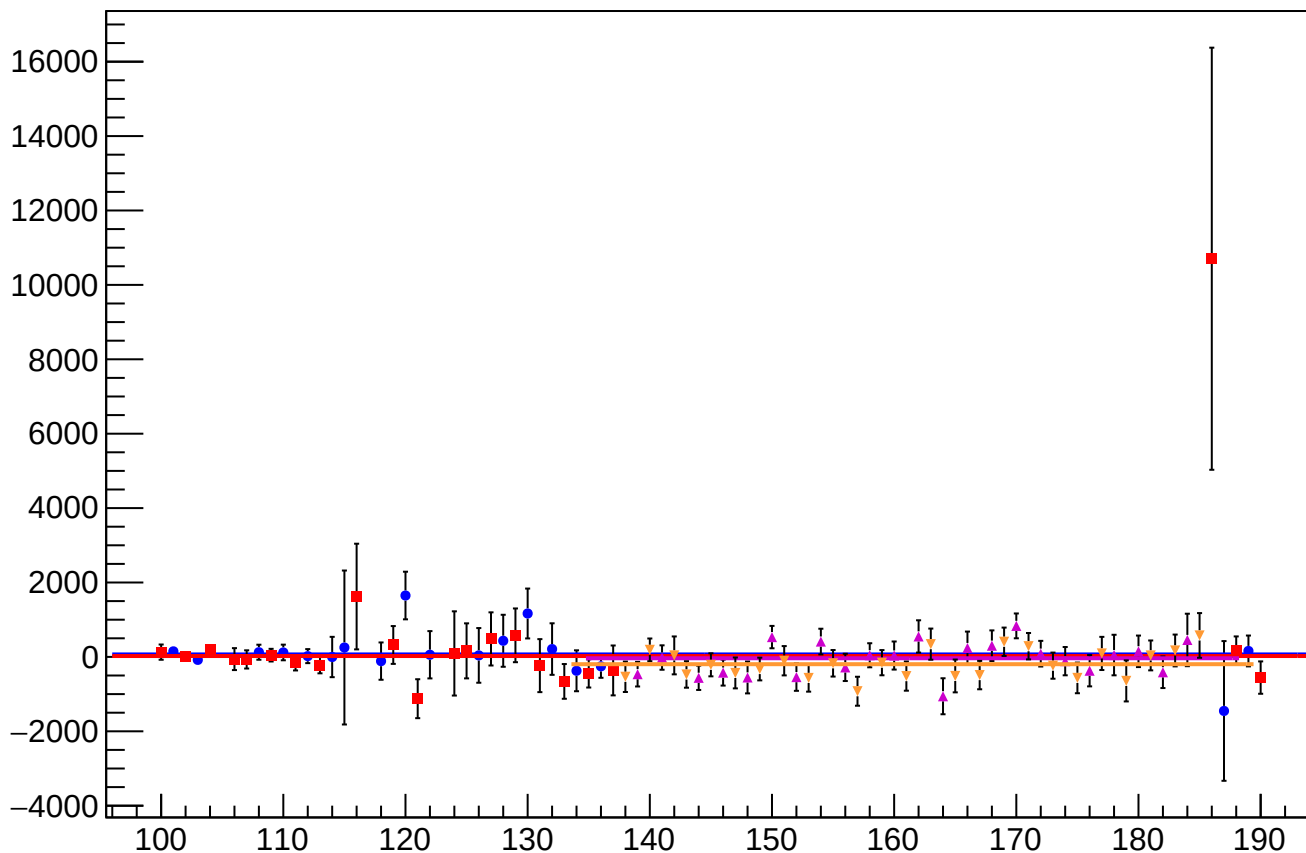
Left In: 63.918+/-0.011 χ^2/NDF : 445309.5/22

+ sign 60.381+/-0.008 χ^2/NDF : 1248795.5/42

All: 60.259+/-0.006 χ^2/NDF : 3241485.3/87

- sign 60.138+/-0.008 χ^2/NDF : 1992257.7/44

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 66.104 $\pm$ 46.174 χ^2 /NDF: 16.4/17

Left Out: -195.942 $\pm$ 77.088 χ^2 /NDF:20.6/24

Right Out: 23.457 $\pm$ 49.463 χ^2 /NDF: 23.5/21

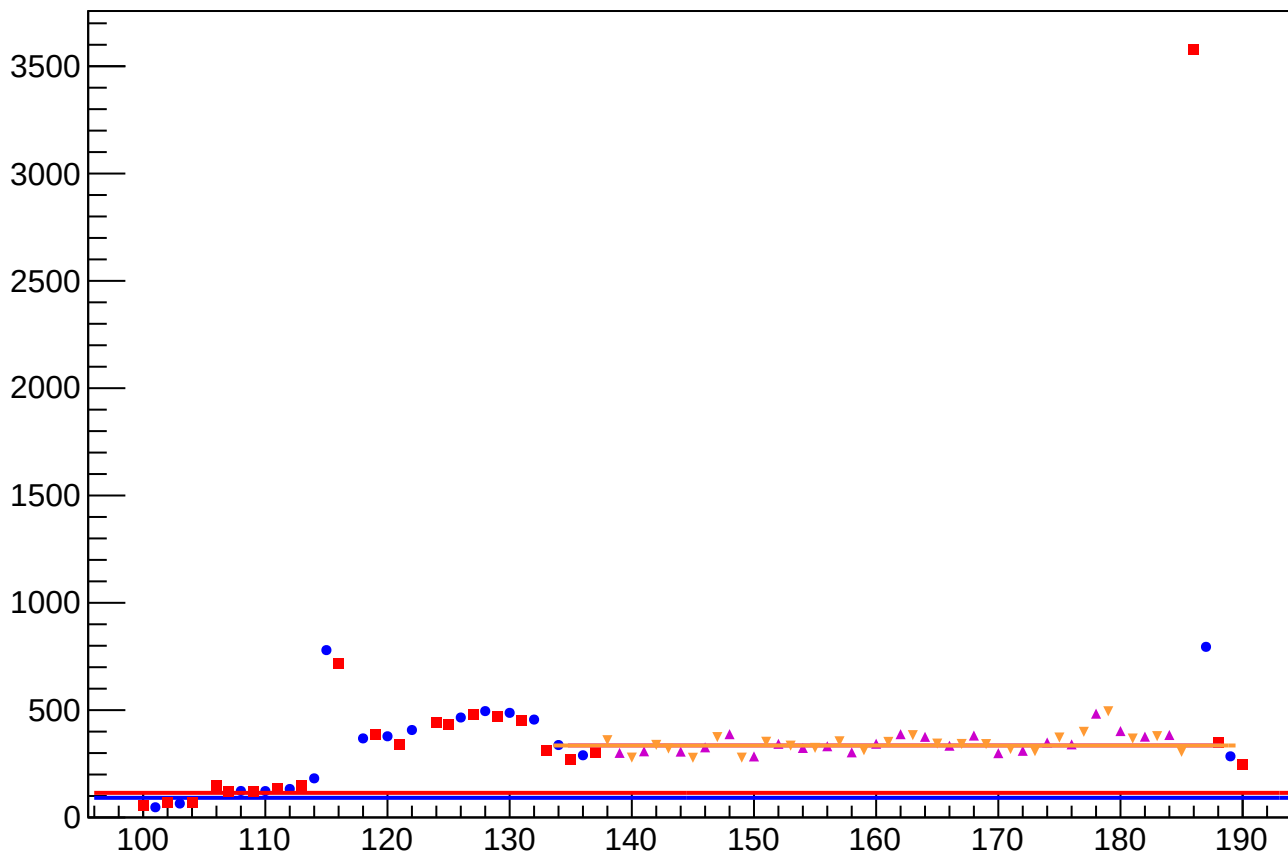
Left In: -36.414 $\pm$ 79.210 χ^2 /NDF:31.1/22

+ sign -3.088 $\pm$ 39.612 χ^2 /NDF: 45.5/42

All: 1.507 $\pm$ 28.803 χ^2 /NDF: 100.6/87

- sign 6.660 $\pm$ 41.955 χ^2 /NDF: 55.0/44

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 91.515+/-0.033 χ^2/NDF : 7371039.4/17

Left Out: 335.271+/-0.055 χ^2/NDF : 563797.0/24

Right Out: 114.601+/-0.035 χ^2/NDF : 7122251.5/21

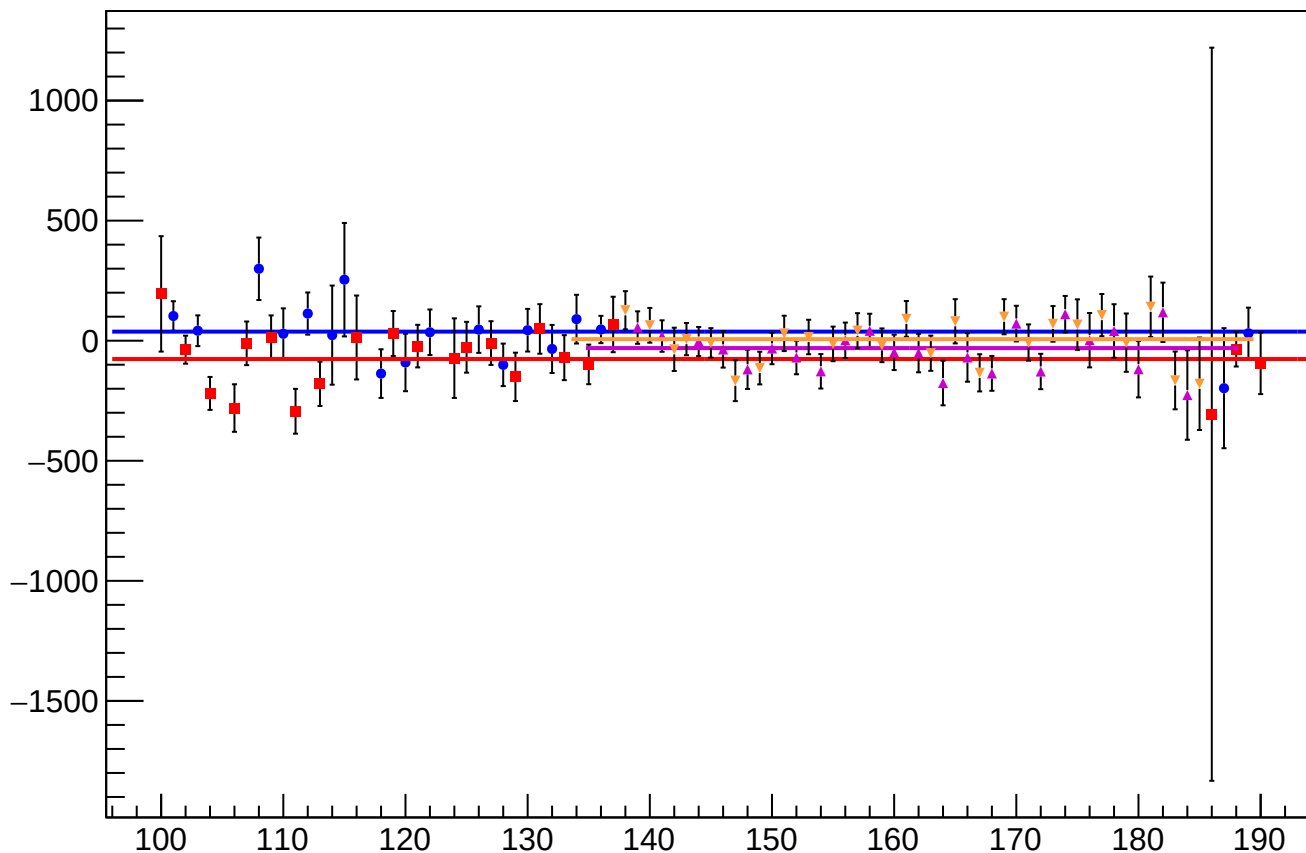
Left In: 335.526+/-0.056 χ^2/NDF : 495170.0/22

+ sign 155.877+/-0.028 χ^2/NDF : 22651773.5/42

All: 165.635+/-0.020 χ^2/NDF : 41720111.6/87

- sign 176.581+/-0.030 χ^2/NDF : 18810841.4/44

dit_asym_sam_15_avg_mean vs Slug



Right In: 37.812 ± 21.946 χ^2/NDF : 15.0/17

Left Out: 6.469 ± 15.977 χ^2/NDF : 25.1/24

Right Out: -76.260 ± 20.398 χ^2/NDF : 25.2/21

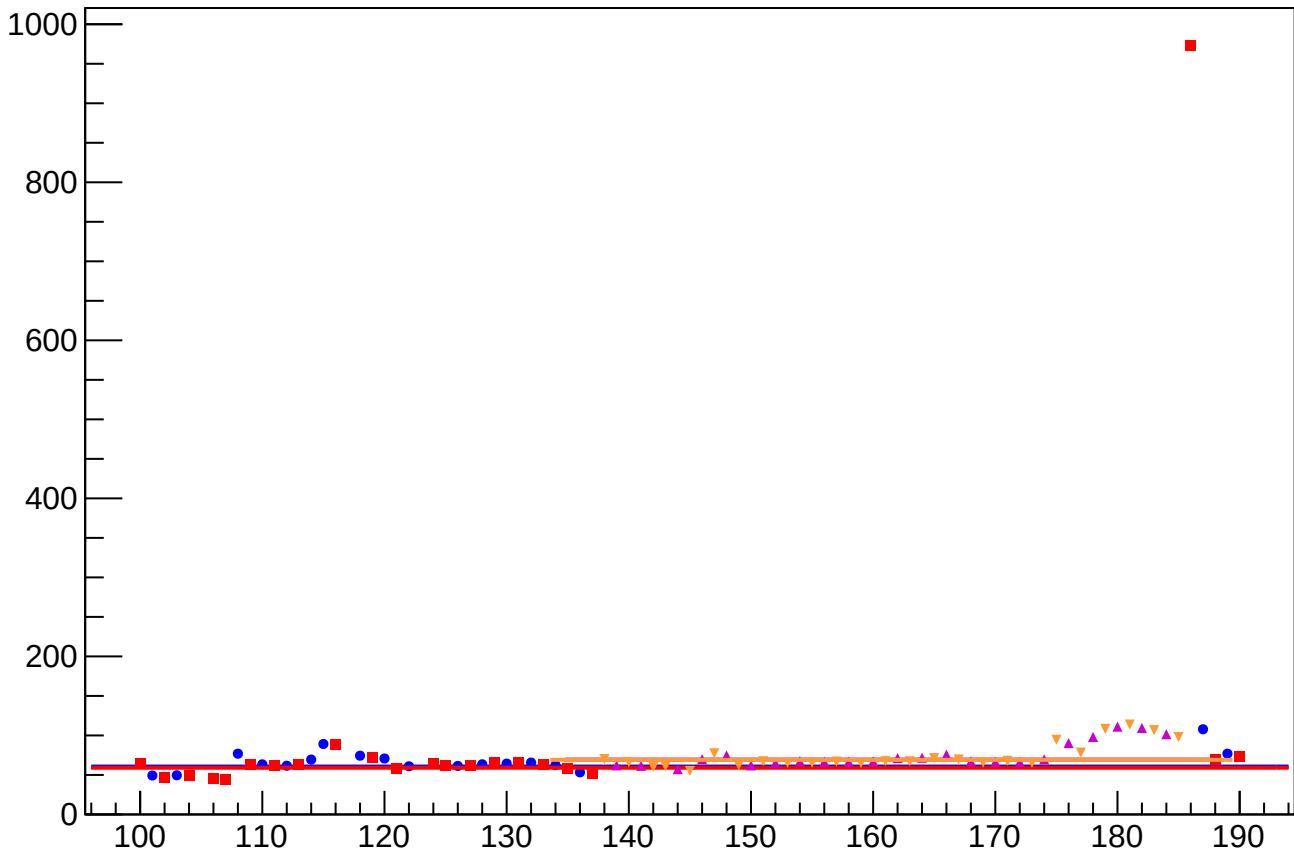
Left In: -30.662 ± 16.503 χ^2/NDF : 22.5/22

+ sign 17.327 ± 12.917 χ^2/NDF : 41.4/42

All: -15.910 ± 9.103 χ^2/NDF : 105.3/87

- sign -48.701 ± 12.830 χ^2/NDF : 50.7/44

dit_asym_sam_15_avg_rms vs Slug



Right In: 60.615 $\pm$ 0.016 χ^2 /NDF: 405764.8/17

Left Out: 69.078 $\pm$ 0.011 χ^2 /NDF: 1074001.6/24

Right Out: 59.123 $\pm$ 0.014 χ^2 /NDF: 1143967.0/21

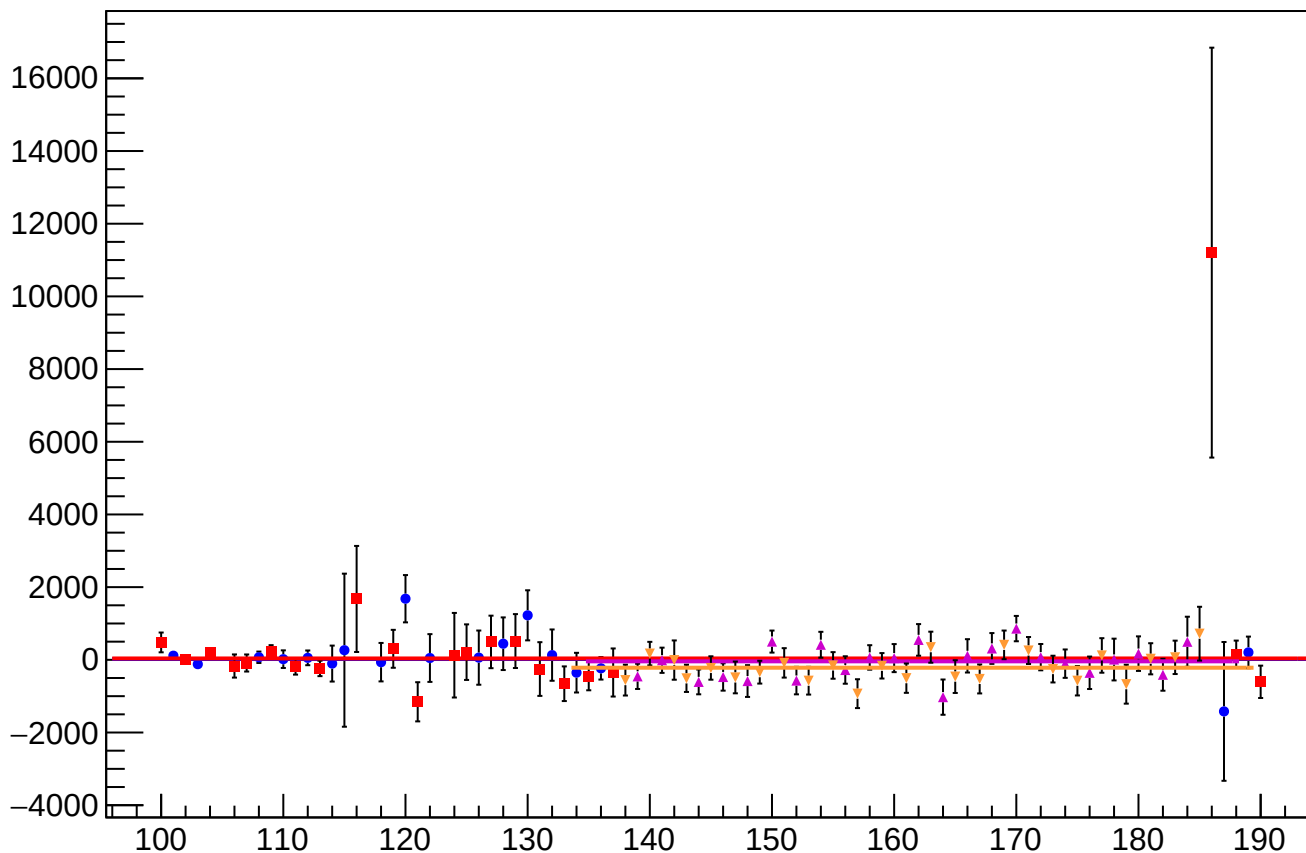
Left In: 69.436 $\pm$ 0.012 χ^2 /NDF: 924607.6/22

+ sign 66.146 $\pm$ 0.009 χ^2 /NDF: 1674189.4/42

All: 65.749 $\pm$ 0.006 χ^2 /NDF: 4055530.7/87

- sign 65.356 $\pm$ 0.009 χ^2 /NDF: 2377573.1/44

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 22.474+/-53.162 χ^2/NDF : 15.4/17

Left Out: -217.349+/-80.133 χ^2/NDF :19.3/24

Right Out: 37.475+/-52.310 χ^2/NDF : 27.6/21

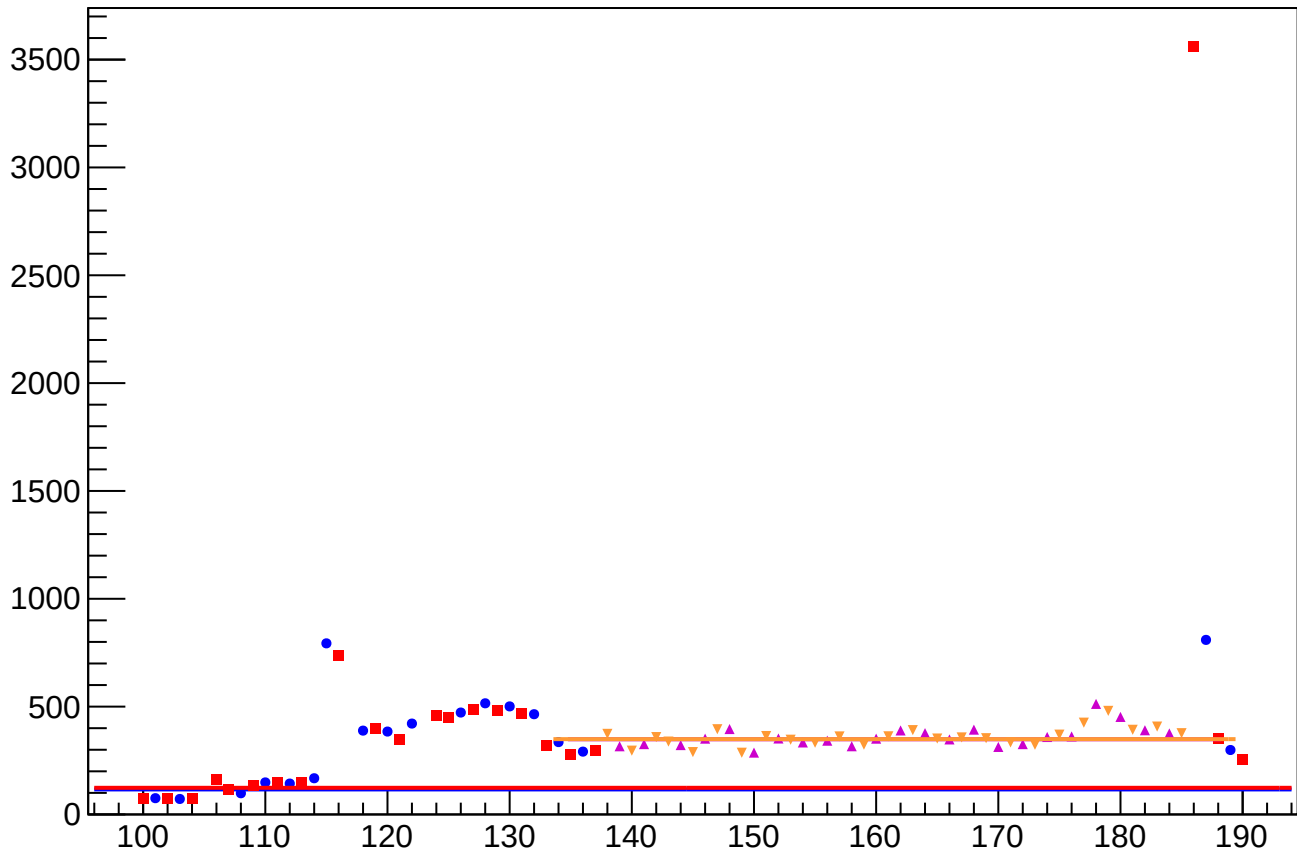
Left In: -41.512+/-82.256 χ^2/NDF :30.0/22

+ sign -50.819+/-44.300 χ^2/NDF : 40.9/42

All: -17.927+/-31.268 χ^2/NDF : 100.3/87

- sign 14.729+/-44.141 χ^2/NDF : 58.3/44

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 115.995 $\pm$ 0.038 χ^2 /NDF: 6225388.7/17

Left Out: 349.177 $\pm$ 0.057 χ^2 /NDF: 524075.5/24

Right Out: 123.570 $\pm$ 0.037 χ^2 /NDF: 6845357.0/21

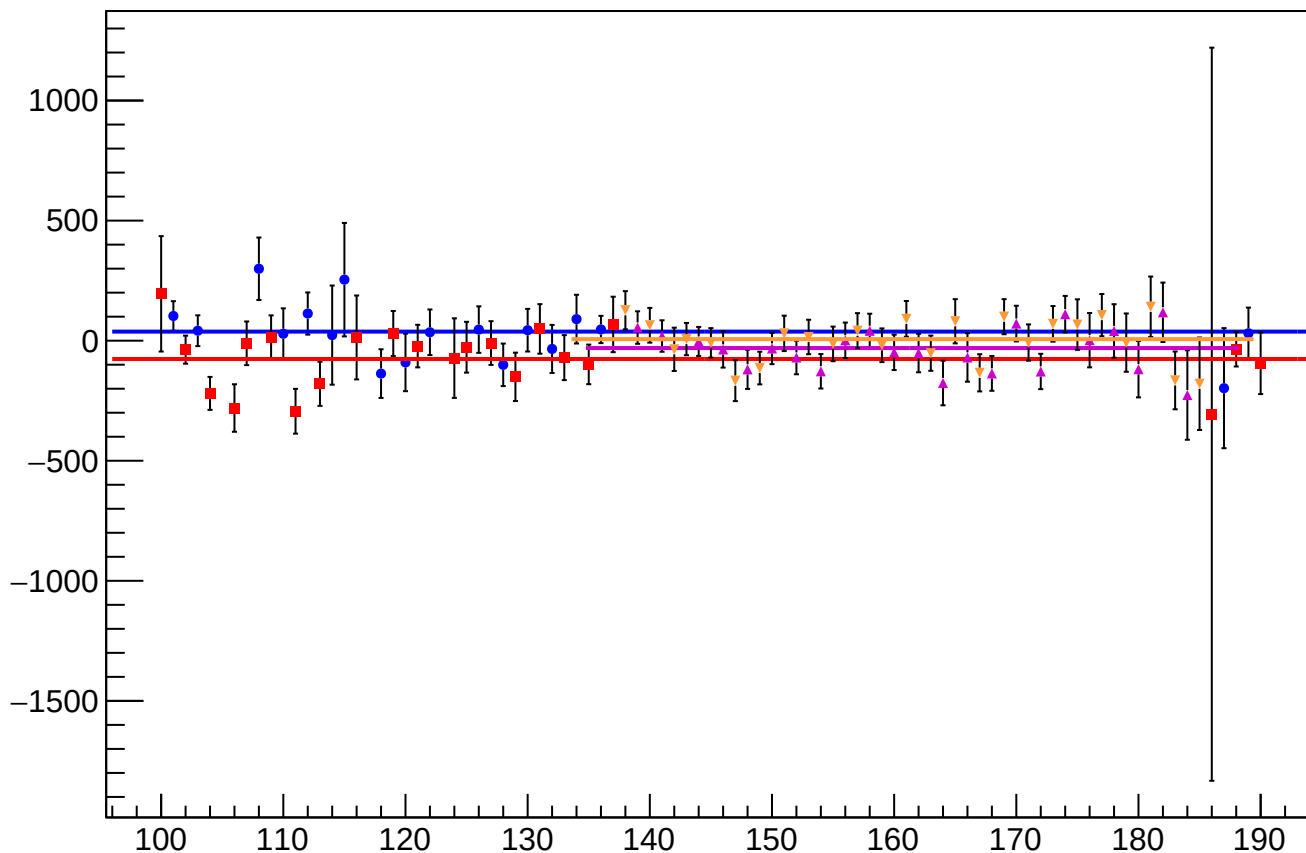
Left In: 348.560 $\pm$ 0.058 χ^2 /NDF: 525743.6/22

+ sign 187.259 $\pm$ 0.031 χ^2 /NDF: 18509092.0/42

All: 187.811 $\pm$ 0.022 χ^2 /NDF: 36534999.3/87

- sign 188.359 $\pm$ 0.031 χ^2 /NDF: 18025288.2/44

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 37.812 $\pm$ 21.946 χ^2 /NDF: 15.0/17

Left Out: 6.469 $\pm$ 15.977 χ^2 /NDF: 25.1/24

Right Out: -76.260 $\pm$ 20.398 χ^2 /NDF: 25.2/21

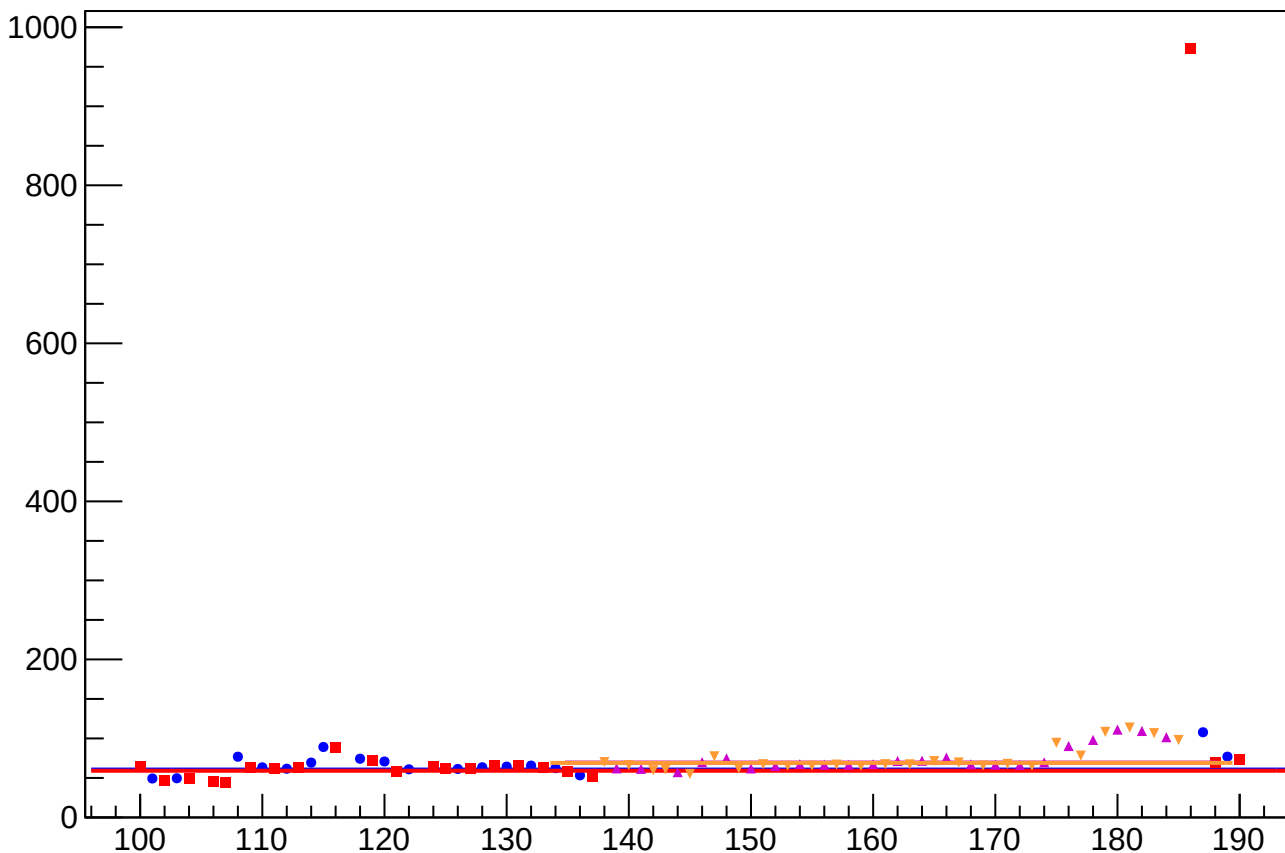
Left In: -30.662 $\pm$ 16.503 χ^2 /NDF: 22.5/22

+ sign 17.327 $\pm$ 12.917 χ^2 /NDF: 41.4/42

All: -15.910 $\pm$ 9.103 χ^2 /NDF: 105.3/87

- sign -48.701 $\pm$ 12.830 χ^2 /NDF: 50.7/44

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 60.615 $\pm$ 0.016 χ^2 /NDF: 405766.9/17

Left Out: 69.079 $\pm$ 0.011 χ^2 /NDF: 1073983.7/24

Right Out: 59.123 $\pm$ 0.014 χ^2 /NDF: 1143963.6/21

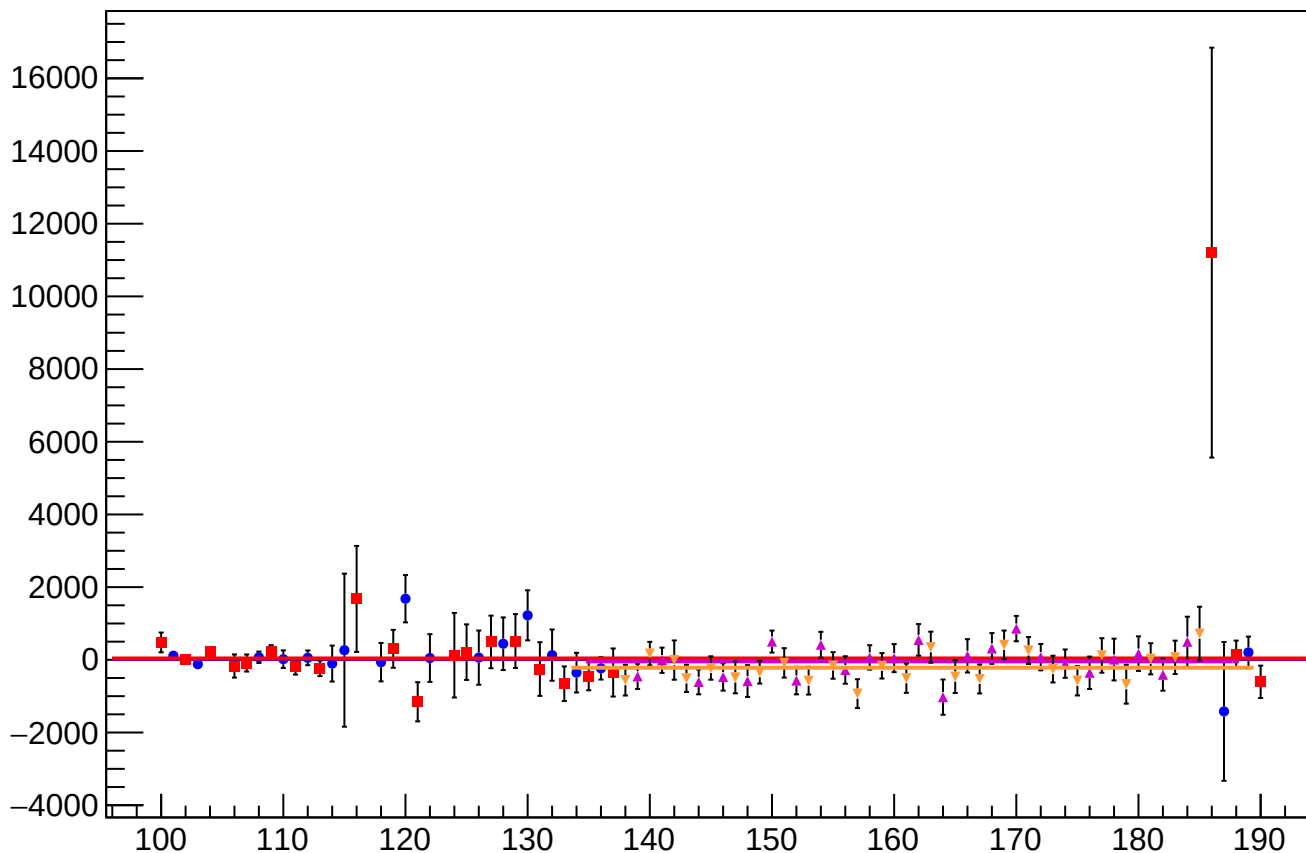
Left In: 69.436 $\pm$ 0.012 χ^2 /NDF: 924591.6/22

+ sign 66.146 $\pm$ 0.009 χ^2 /NDF: 1674180.7/42

All: 65.749 $\pm$ 0.006 χ^2 /NDF: 4055515.8/87

- sign 65.356 $\pm$ 0.009 χ^2 /NDF: 2377567.0/44

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: 22.473+/-53.162 χ^2/NDF : 15.4/17

Left Out: -217.348+/-80.133 χ^2/NDF : 19.3/24

Right Out: 37.474+/-52.310 χ^2/NDF : 27.6/21

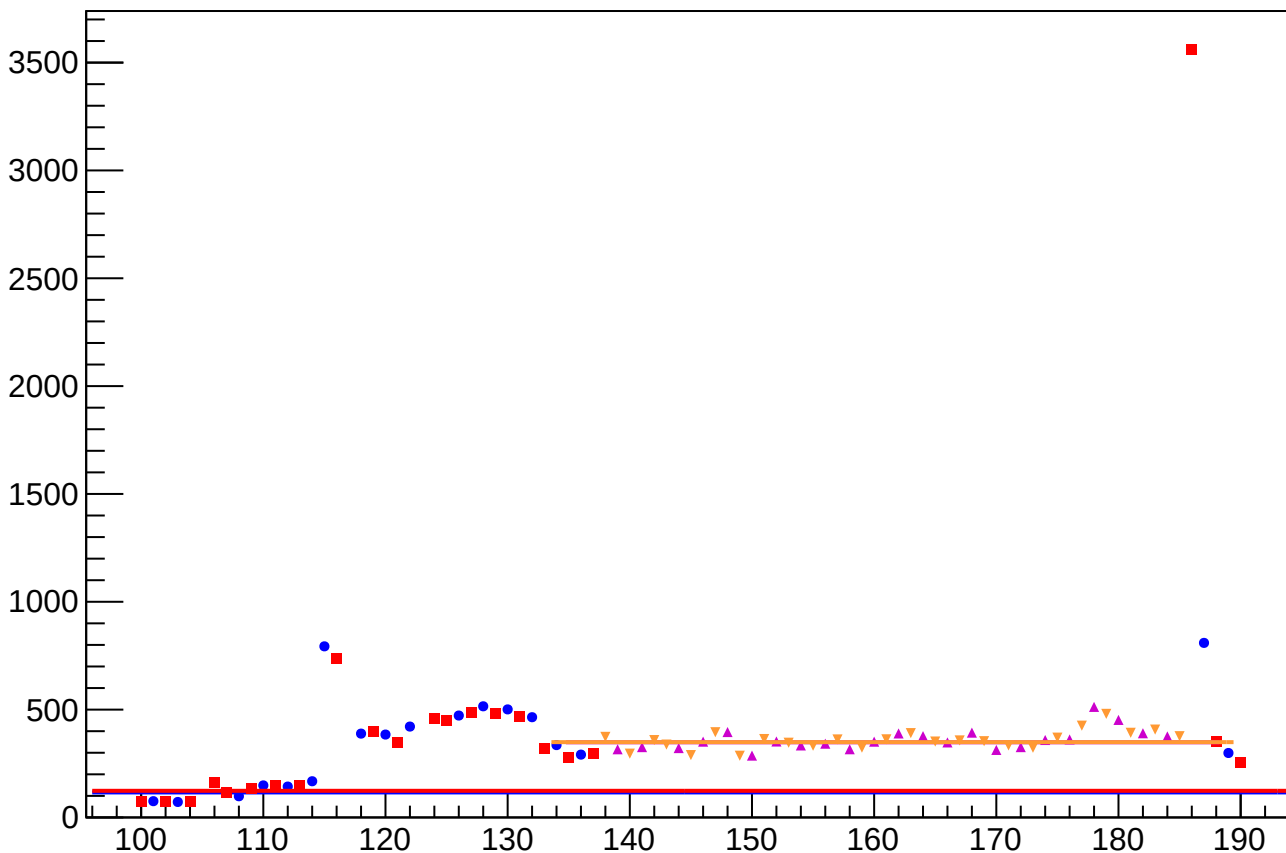
Left In: -41.512+/-82.256 χ^2/NDF : 30.0/22

+ sign -50.819+/-44.300 χ^2/NDF : 40.9/42

All: -17.927+/-31.268 χ^2/NDF : 100.3/87

- sign 14.729+/-44.140 χ^2/NDF : 58.3/44

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 115.995 $\pm$ 0.038 χ^2 /NDF: 6225390.9/17

Left Out: 349.177 $\pm$ 0.057 χ^2 /NDF: 524067.1/24

Right Out: 123.570 $\pm$ 0.037 χ^2 /NDF: 6845368.0/21

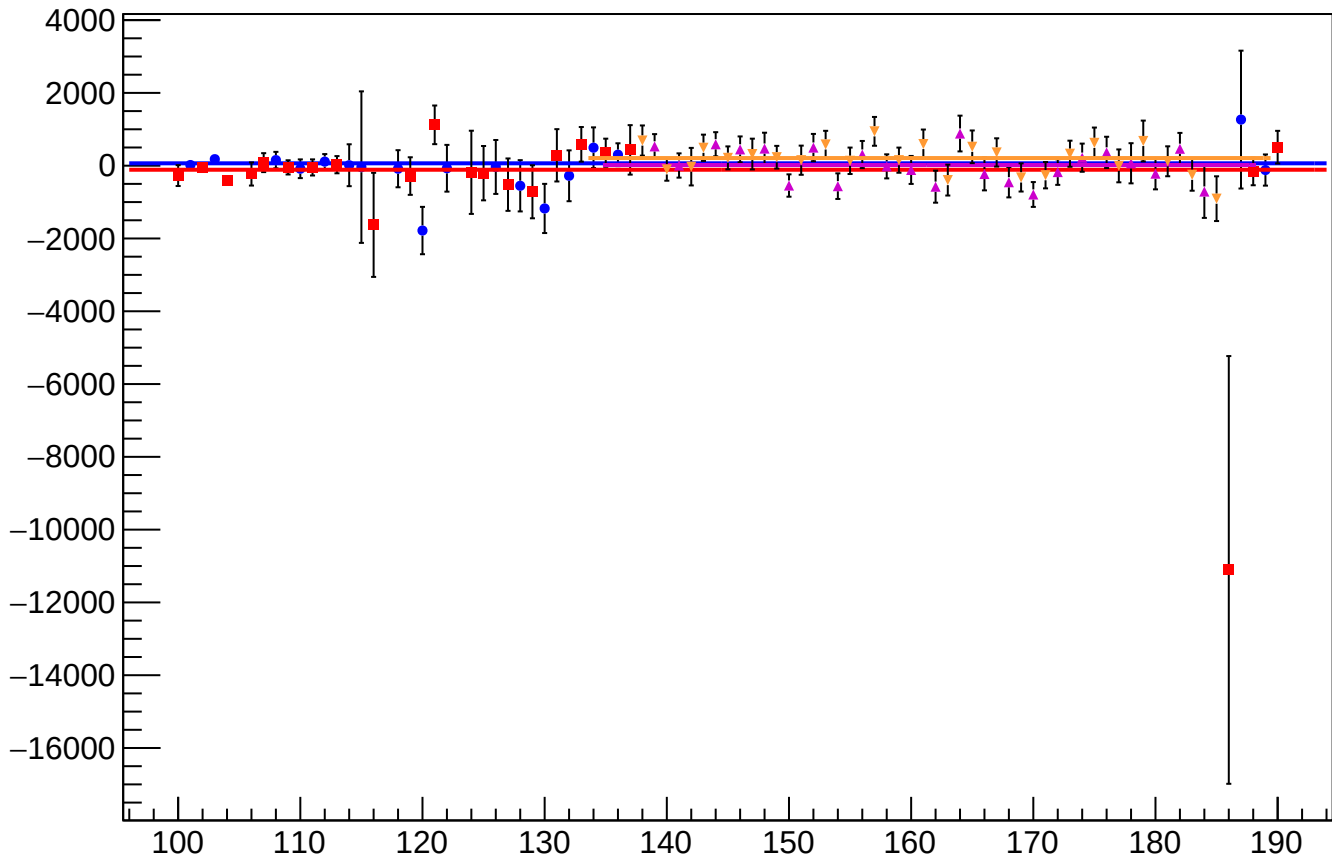
Left In: 348.560 $\pm$ 0.058 χ^2 /NDF: 525736.6/22

+ sign 187.259 $\pm$ 0.031 χ^2 /NDF: 18509153.7/42

All: 187.811 $\pm$ 0.022 χ^2 /NDF: 36535148.6/87

- sign 188.359 $\pm$ 0.031 χ^2 /NDF: 18025376.0/44

asym_sam_15_avg_mean vs Slug



Right In: 65.268+/-58.584 χ^2/NDF : 16.4/17

Left Out: 209.819+/-78.511 χ^2/NDF : 21.4/24

Right Out: -111.512+/-56.803 χ^2/NDF : 26.6/21

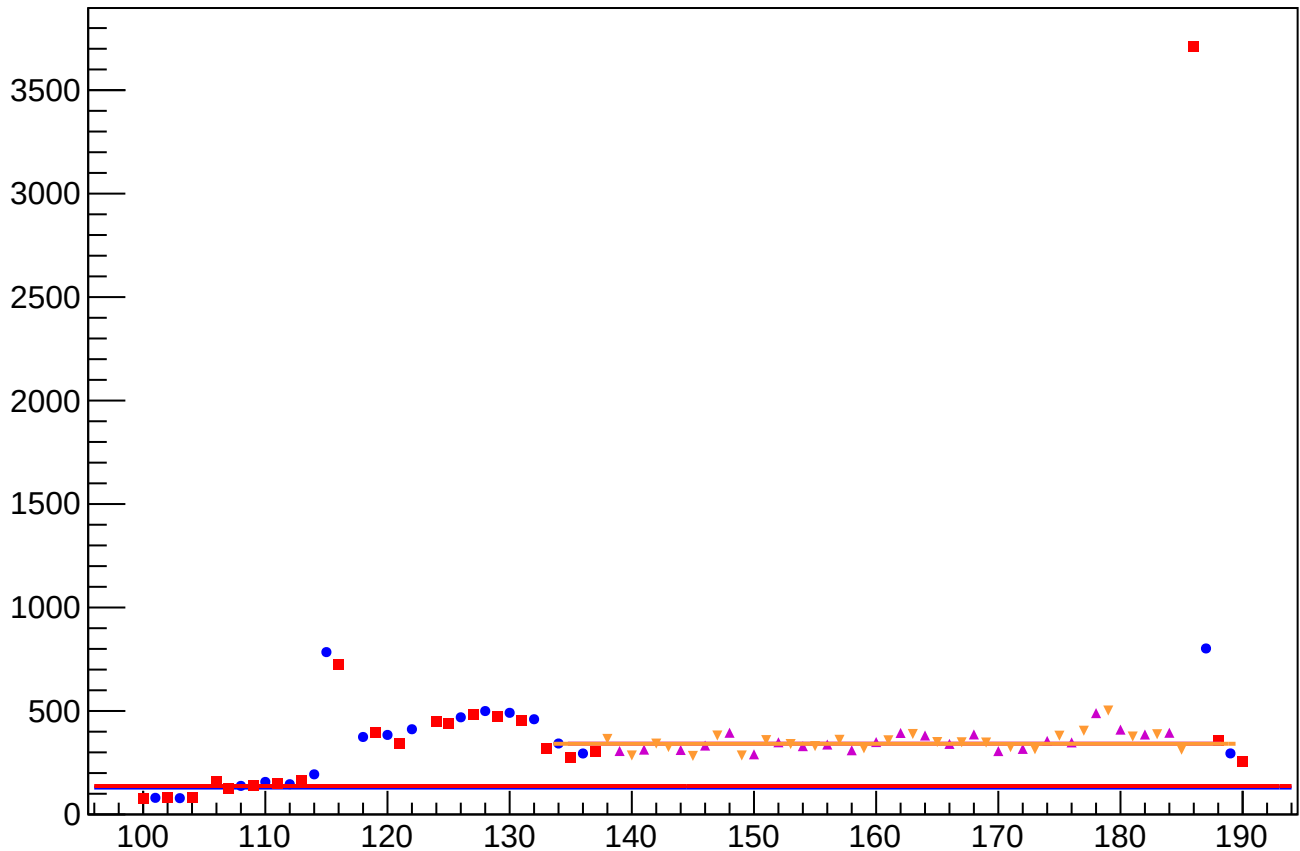
Left In: 18.738+/-80.699 χ^2/NDF : 32.0/22

+ sign 116.968+/-46.953 χ^2/NDF : 40.0/42

All: 23.306+/-33.022 χ^2/NDF : 108.2/87

- sign -68.358+/-46.450 χ^2/NDF : 60.3/44

asym_sam_15_avg_rms vs Slug



Right In: 129.958+/-0.041 χ^2/NDF : 5777063.8/17

Left Out: 341.585+/-0.056 χ^2/NDF : 554287.8/24

Right Out: 137.424+/-0.040 χ^2/NDF : 6235701.9/21

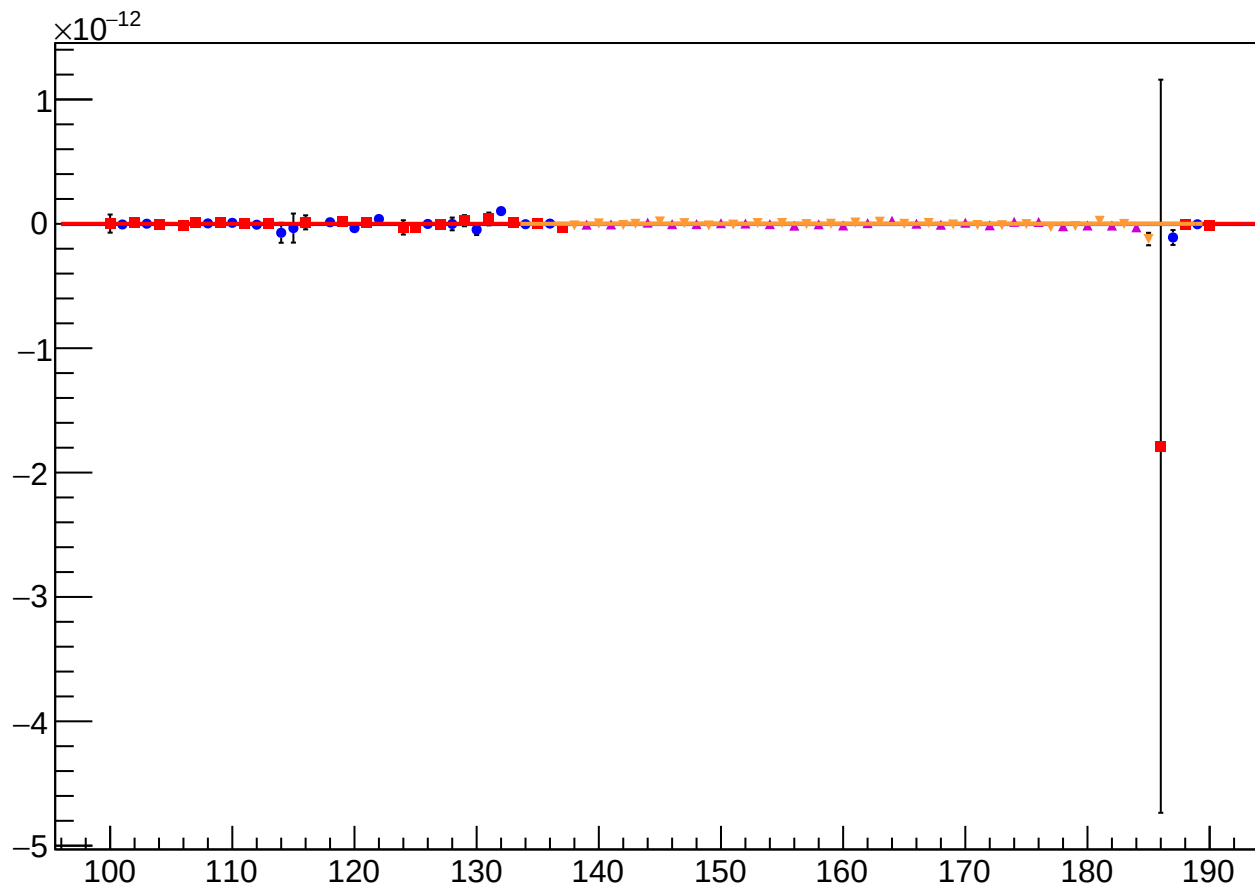
Left In: 341.943+/-0.057 χ^2/NDF : 485509.1/22

+ sign 205.648+/-0.033 χ^2/NDF : 15665466.5/42

All: 205.413+/-0.023 χ^2/NDF : 30976521.0/87

- sign 205.184+/-0.033 χ^2/NDF : 15310955.8/44

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 28.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11.0/21

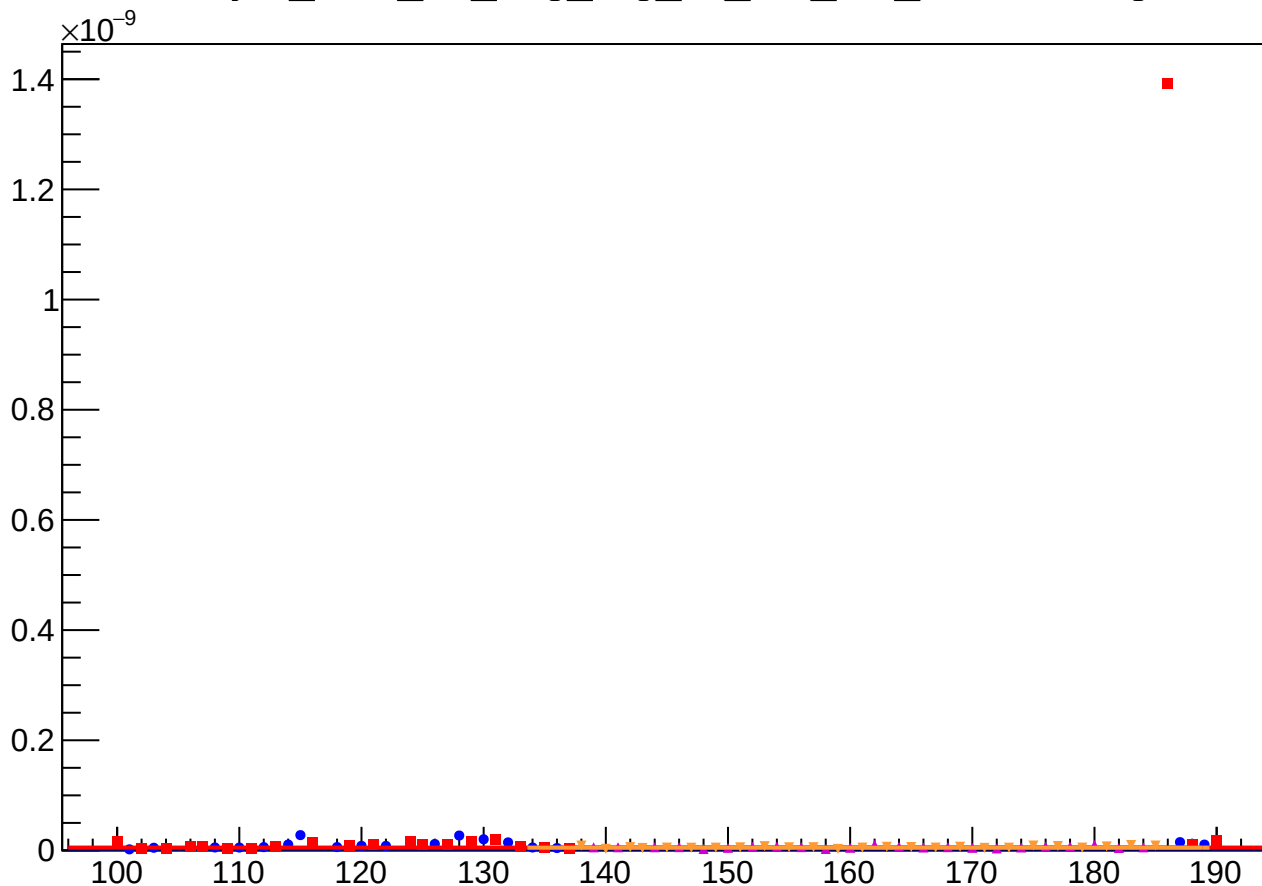
Left In: -0.000+/-0.000 χ^2/NDF : 20.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 50.1/42

All: -0.000+/-0.000 χ^2/NDF : 81.7/87

- sign -0.000+/-0.000 χ^2/NDF : 31.6/44

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2415181.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1294137.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2172839.7/21

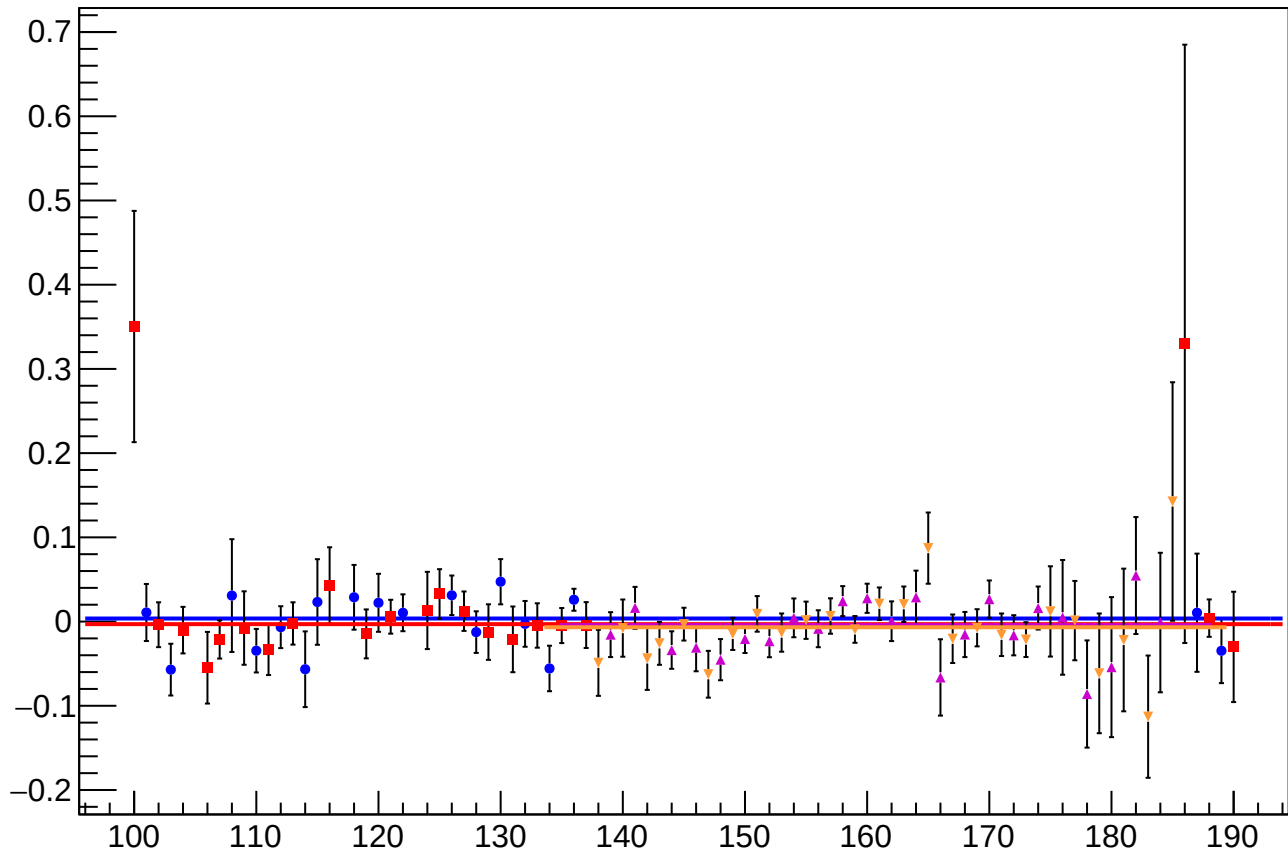
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1225248.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4004173.5/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7509146.7/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3408379.9/44

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.006 χ^2/NDF : 22.5/17

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.003 ± 0.006 χ^2/NDF : 14.8/21

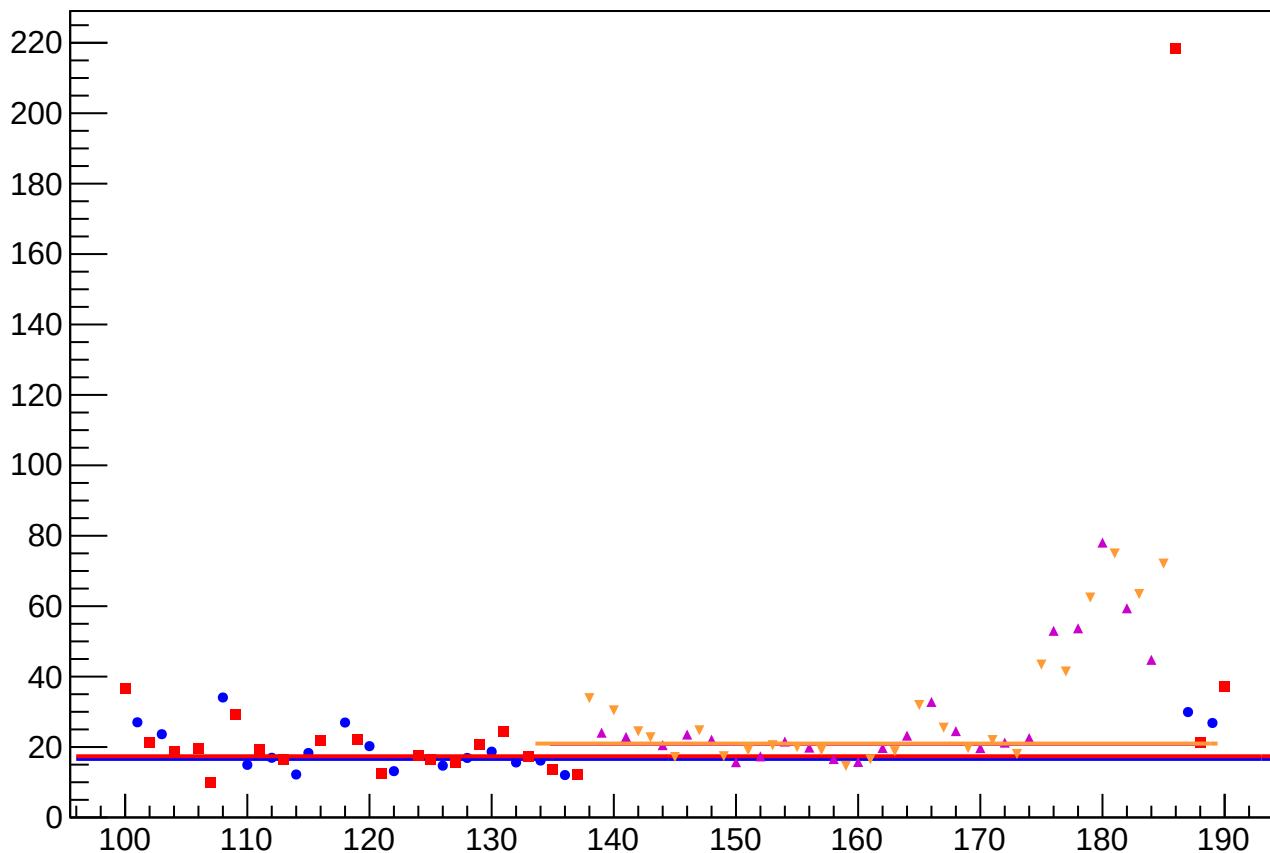
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.003 ± 0.004 χ^2/NDF : 45.8/42

All: -0.003 ± 0.003 χ^2/NDF : 83.8/87

- sign -0.004 ± 0.004 χ^2/NDF : 38.0/44

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.631 $\pm$ 0.005 χ^2/NDF : 1164611.0/17

Left Out: 20.981 $\pm$ 0.004 χ^2/NDF : 4467011.5/24

Right Out: 17.377 $\pm$ 0.004 χ^2/NDF : 1766292.8/21

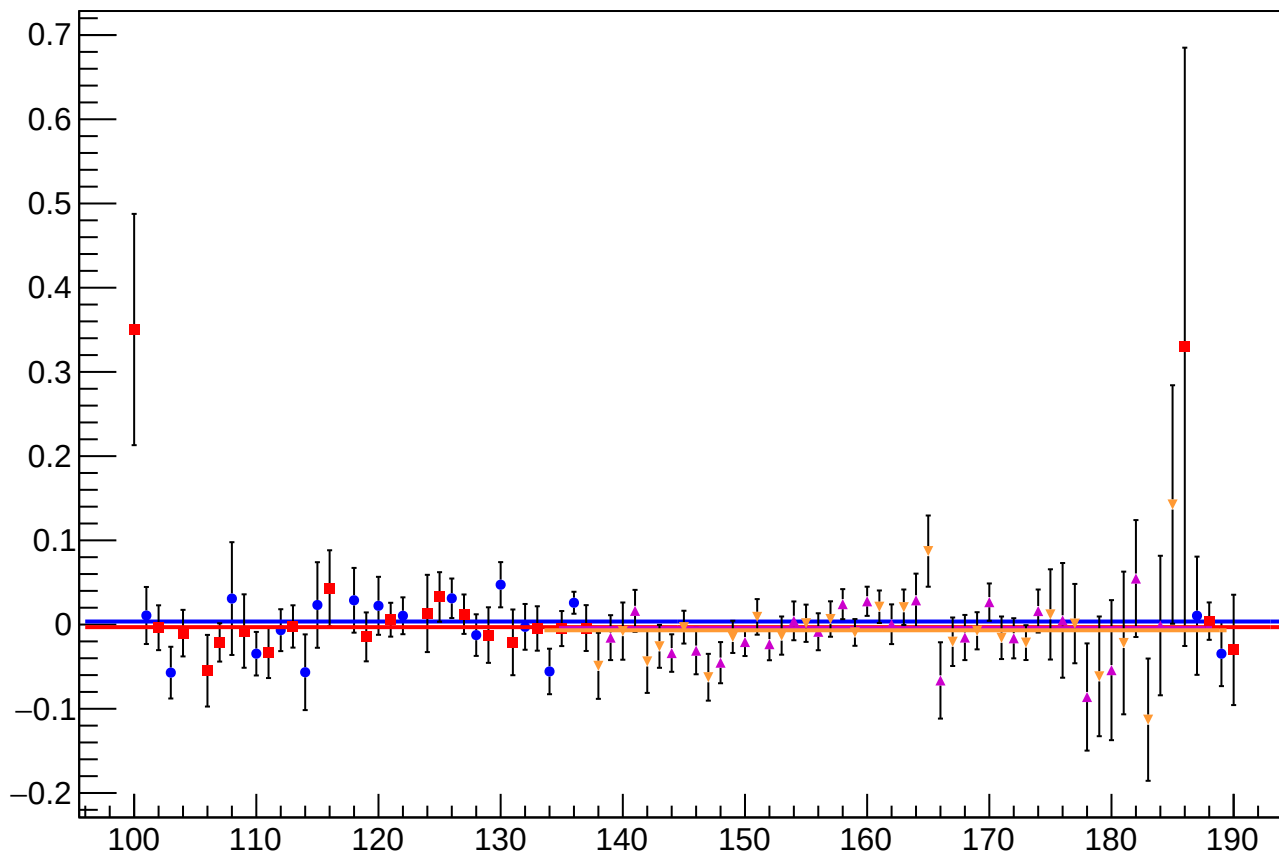
Left In: 20.868 $\pm$ 0.004 χ^2/NDF : 3534877.7/22

+ sign 19.264 $\pm$ 0.003 χ^2/NDF : 6183343.2/42

All: 19.346 $\pm$ 0.002 χ^2/NDF : 11844949.7/87

- sign 19.429 $\pm$ 0.003 χ^2/NDF : 5659943.2/44

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.006 χ^2/NDF : 22.5/17

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.003 ± 0.006 χ^2/NDF : 14.8/21

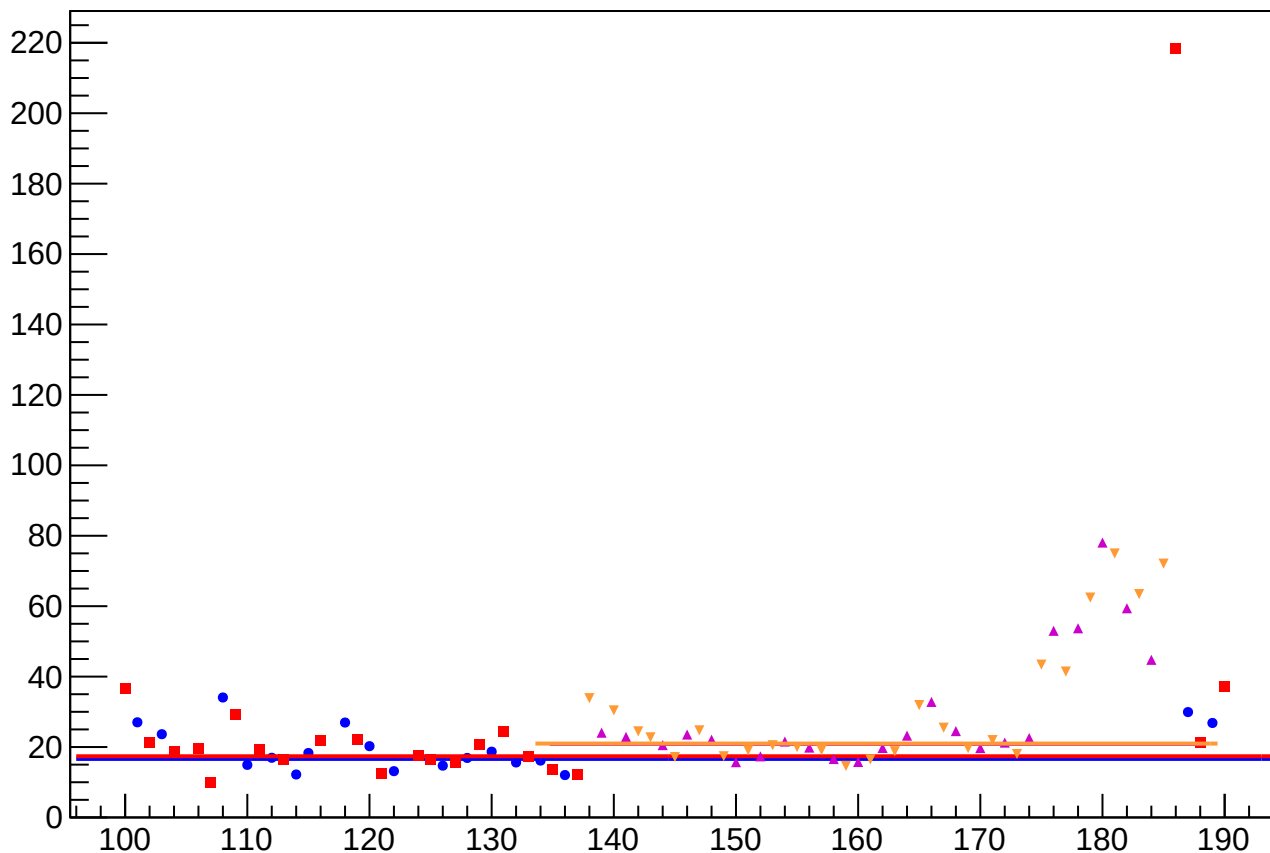
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.003 ± 0.004 χ^2/NDF : 45.8/42

All: -0.003 ± 0.003 χ^2/NDF : 83.8/87

- sign -0.004 ± 0.004 χ^2/NDF : 38.0/44

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.631 $\pm$ 0.005 χ^2 /NDF: 1164611.0/17

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4467011.5/24

Right Out: 17.377 $\pm$ 0.004 χ^2 /NDF: 1766292.8/21

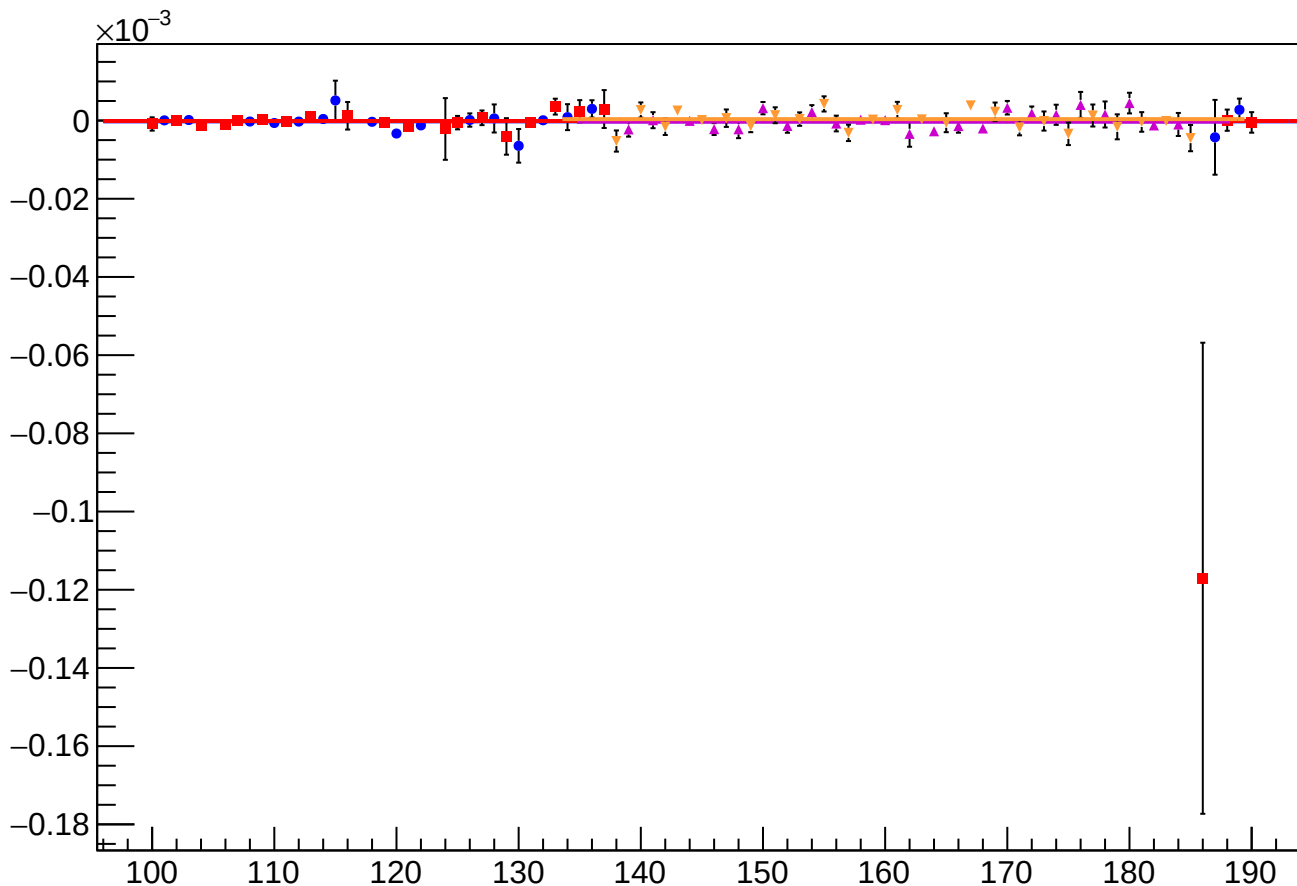
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534877.7/22

+ sign 19.264 $\pm$ 0.003 χ^2 /NDF: 6183343.2/42

All: 19.346 $\pm$ 0.002 χ^2 /NDF: 11844949.7/87

- sign 19.429 $\pm$ 0.003 χ^2 /NDF: 5659943.2/44

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.2/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.0/21

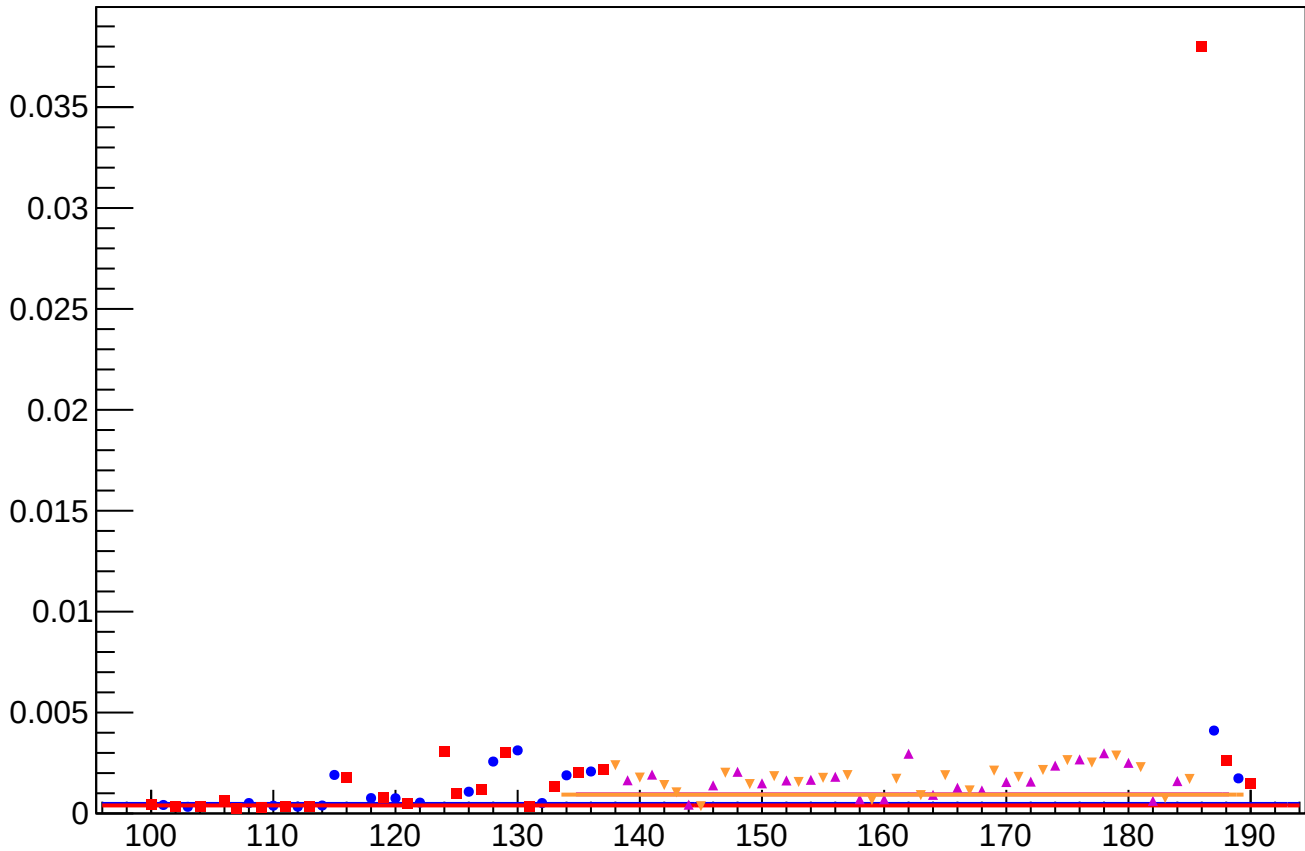
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:31.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 52.8/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 109.3/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 55.9/44

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4697622.9/17

Left Out: 0.001+/-0.000 χ^2/NDF :11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6525002.3/21

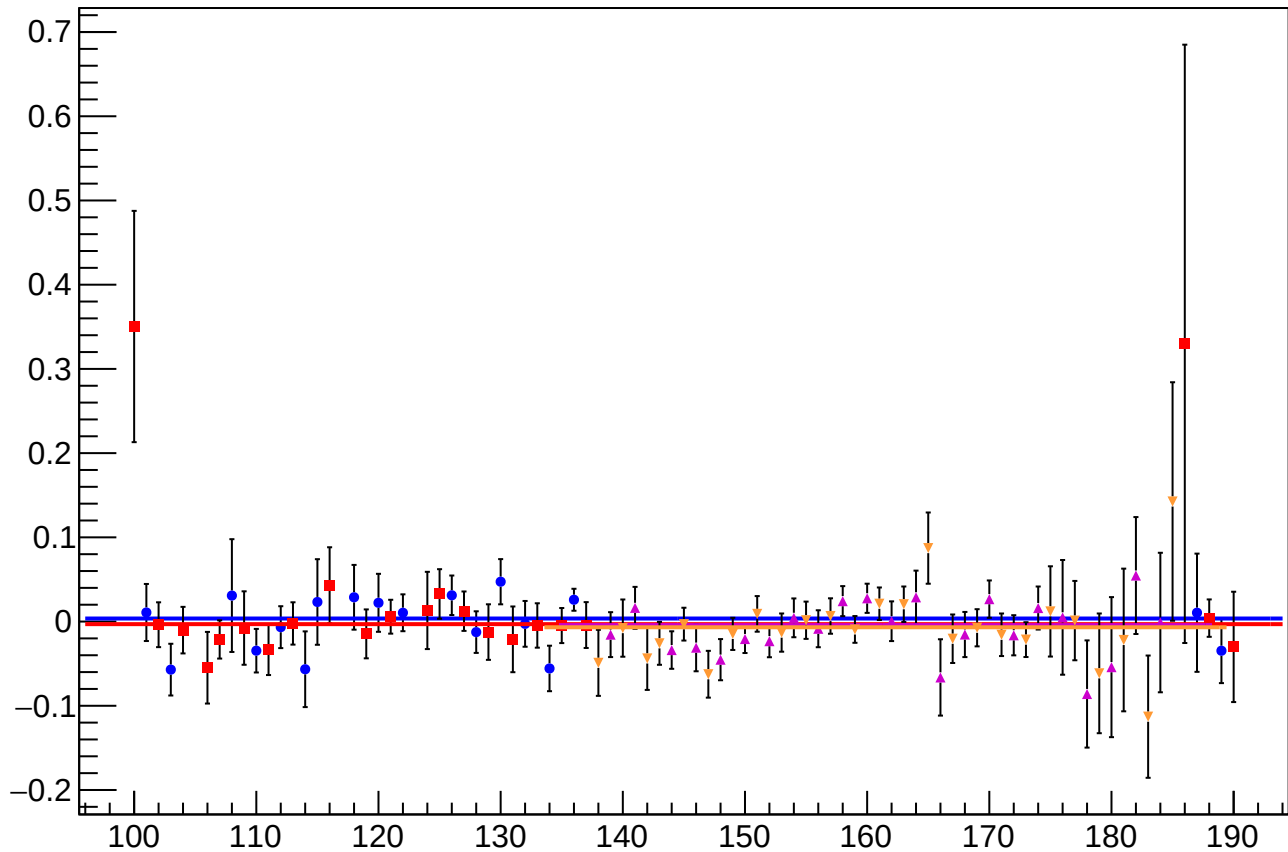
Left In: 0.001+/-0.000 χ^2/NDF :9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF : 20536527.7/42

All: 0.001+/-0.000 χ^2/NDF : 42980133.5/87

- sign 0.001+/-0.000 χ^2/NDF : 22124400.4/44

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.006 $\chi^2/\text{NDF}: 22.5/17$

Left Out: -0.007 ± 0.005 $\chi^2/\text{NDF}: 21.8/24$

Right Out: -0.003 ± 0.006 $\chi^2/\text{NDF}: 14.8/21$

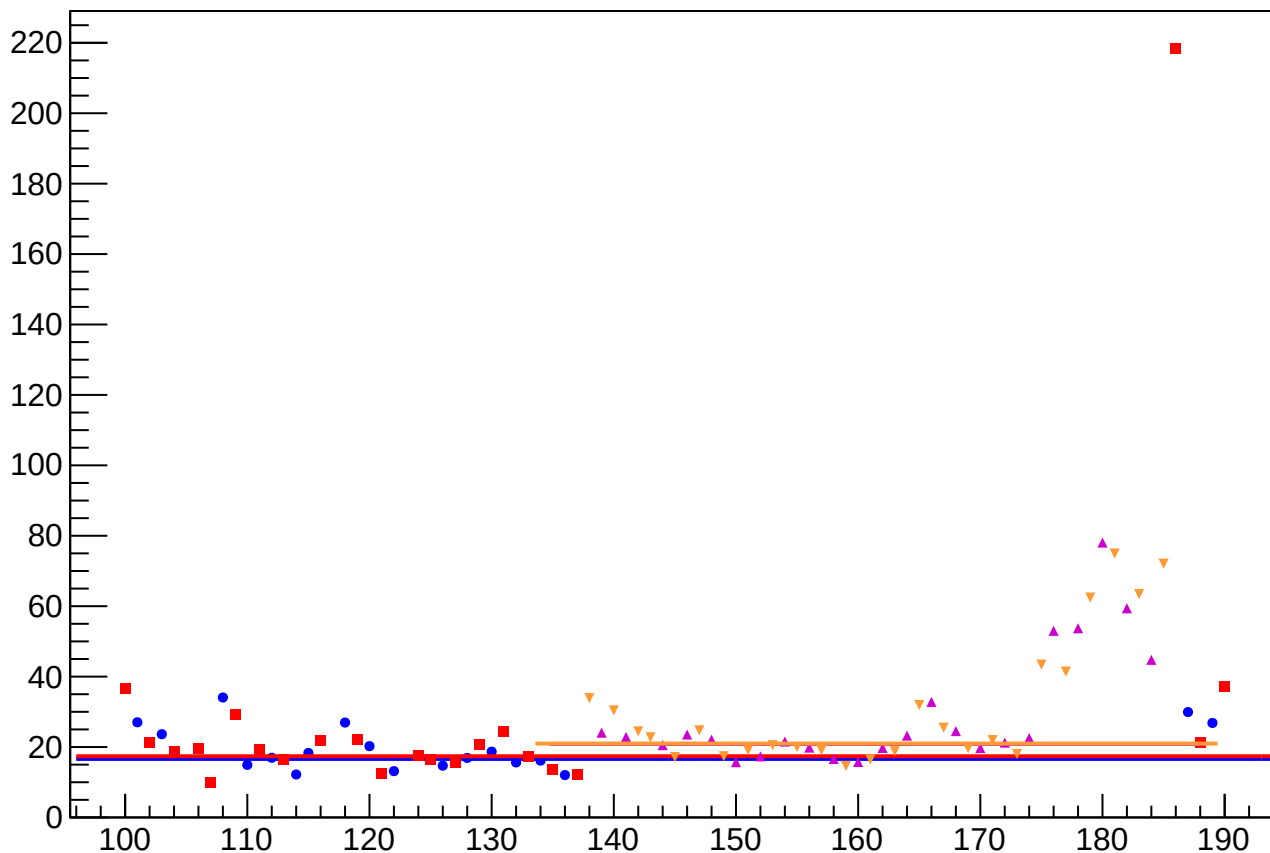
Left In: -0.004 ± 0.005 $\chi^2/\text{NDF}: 23.2/22$

+ sign -0.003 ± 0.004 $\chi^2/\text{NDF}: 45.8/42$

All: -0.003 ± 0.003 $\chi^2/\text{NDF}: 83.8/87$

- sign -0.004 ± 0.004 $\chi^2/\text{NDF}: 38.0/44$

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.631 $\pm$ 0.005 χ^2 /NDF: 1164647.2/17

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4466984.6/24

Right Out: 17.377 $\pm$ 0.004 χ^2 /NDF: 1766291.4/21

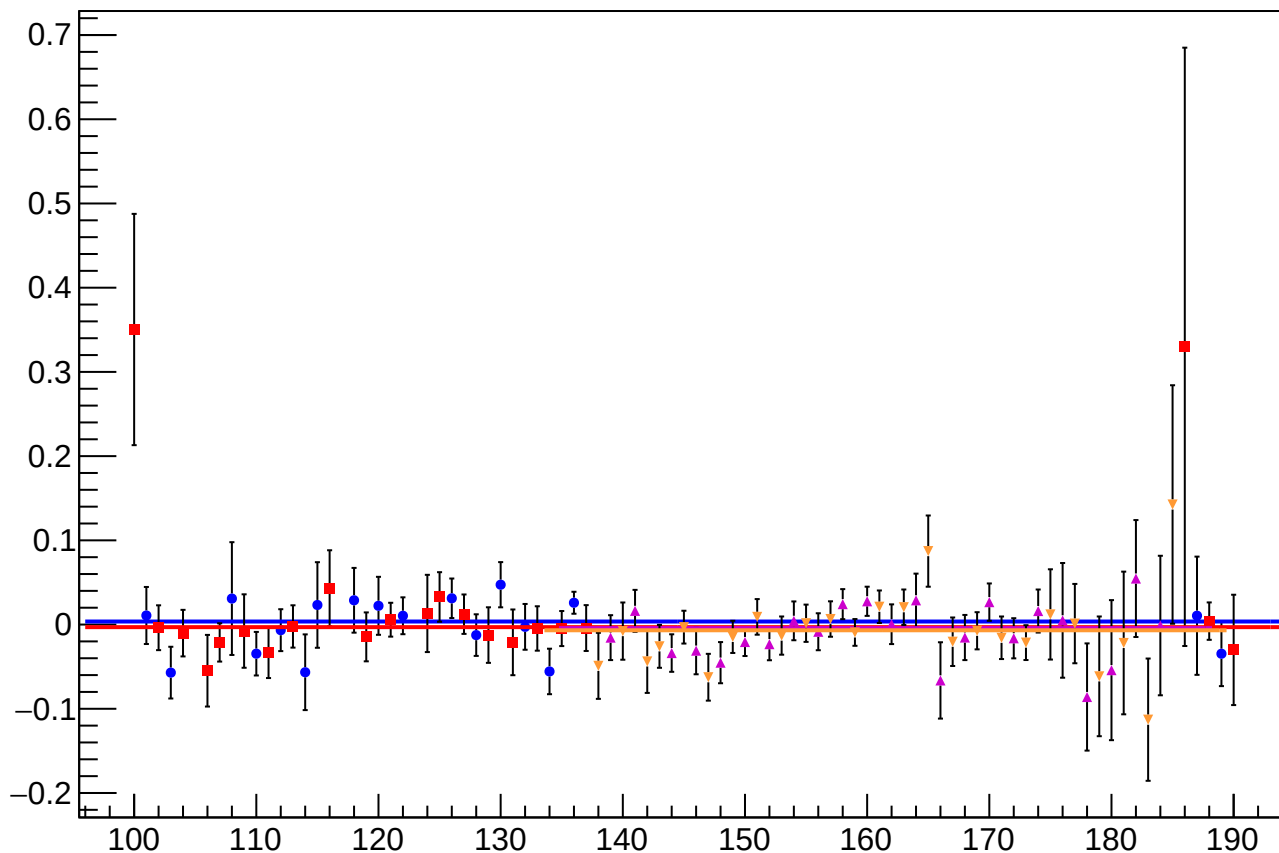
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534923.5/22

+ sign 19.264 $\pm$ 0.003 χ^2 /NDF: 6183429.9/42

All: 19.346 $\pm$ 0.002 χ^2 /NDF: 11845142.2/87

- sign 19.429 $\pm$ 0.003 χ^2 /NDF: 5660050.3/44

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.006 χ^2/NDF : 22.5/17

Left Out: -0.007 ± 0.005 χ^2/NDF : 21.8/24

Right Out: -0.003 ± 0.006 χ^2/NDF : 14.8/21

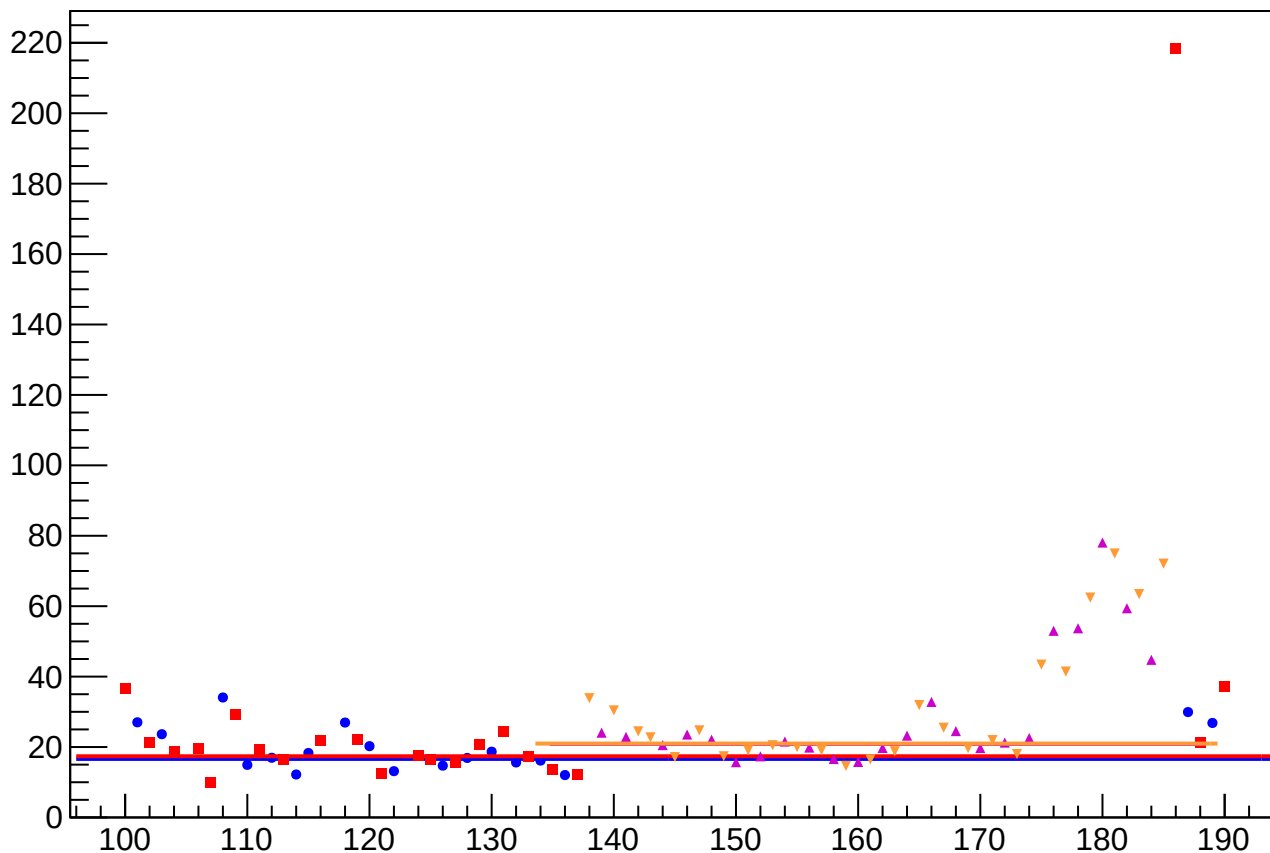
Left In: -0.004 ± 0.005 χ^2/NDF : 23.2/22

+ sign -0.003 ± 0.004 χ^2/NDF : 45.8/42

All: -0.003 ± 0.003 χ^2/NDF : 83.8/87

- sign -0.004 ± 0.004 χ^2/NDF : 38.0/44

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.631 $\pm$ 0.005 χ^2 /NDF: 1164647.2/17

Left Out: 20.981 $\pm$ 0.004 χ^2 /NDF: 4466984.6/24

Right Out: 17.377 $\pm$ 0.004 χ^2 /NDF: 1766291.4/21

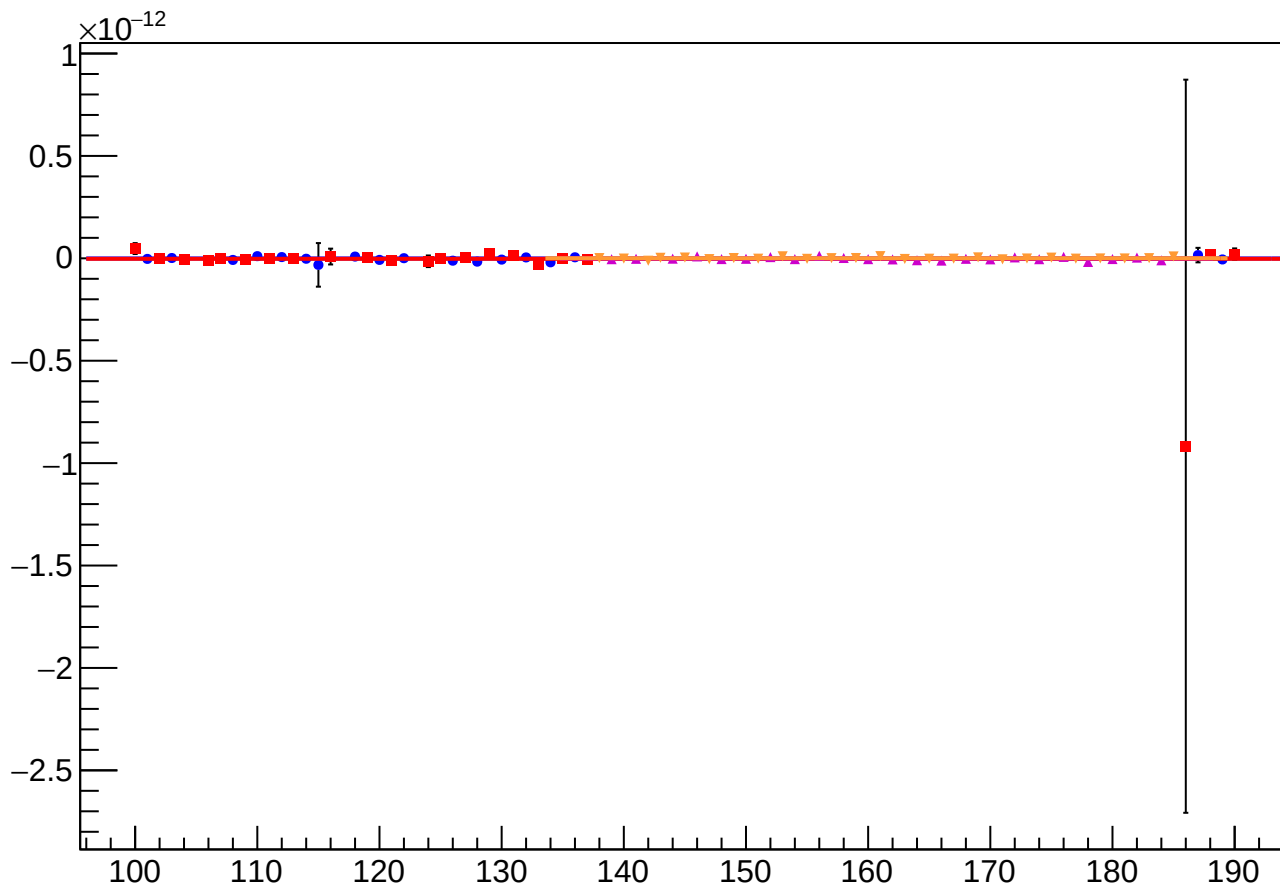
Left In: 20.868 $\pm$ 0.004 χ^2 /NDF: 3534923.5/22

+ sign 19.264 $\pm$ 0.003 χ^2 /NDF: 6183429.9/42

All: 19.346 $\pm$ 0.002 χ^2 /NDF: 11845142.2/87

- sign 19.429 $\pm$ 0.003 χ^2 /NDF: 5660050.3/44

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 13.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 14.6/24

Right Out: -0.000+/-0.000 χ^2/NDF : 18.1/21

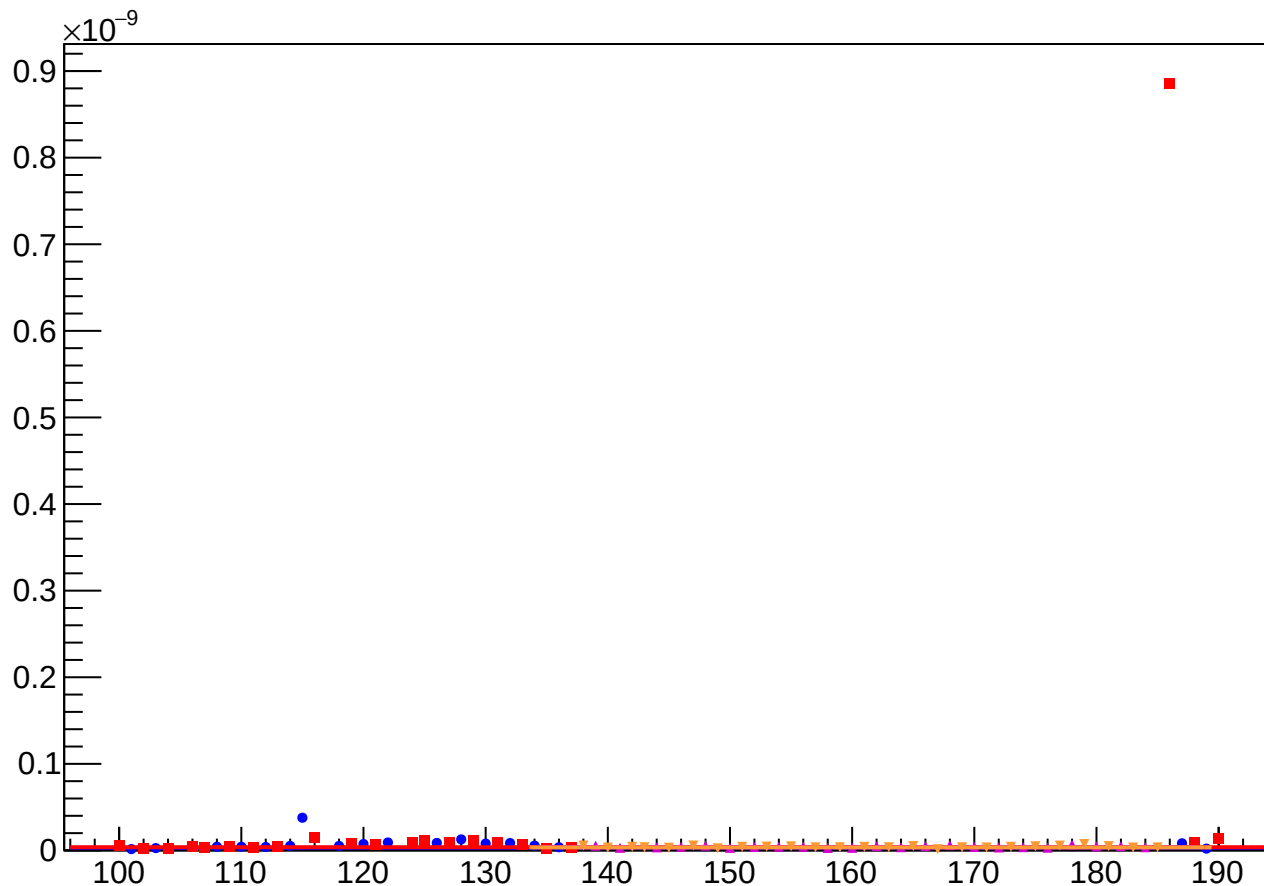
Left In: -0.000+/-0.000 χ^2/NDF : 26.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 27.9/42

All: -0.000+/-0.000 χ^2/NDF : 74.2/87

- sign -0.000+/-0.000 χ^2/NDF : 45.2/44

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3011668.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3742344.4/21

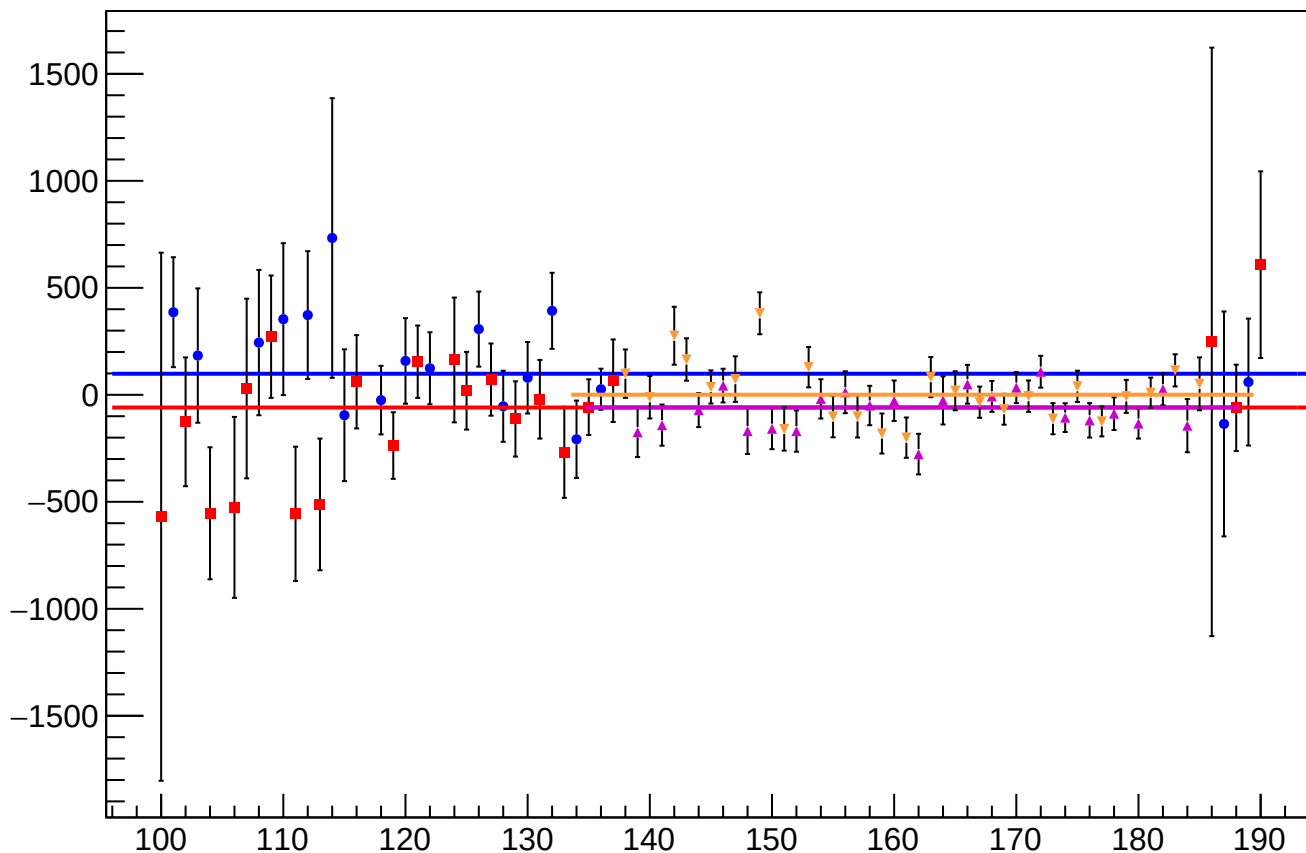
Left In: 0.000+/-0.000 χ^2/NDF : 1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 5691896.9/42

All: 0.000+/-0.000 χ^2/NDF : 10914024.6/87

- sign 0.000+/-0.000 χ^2/NDF : 4963409.7/44

reg_asym_sam_26_avg_mean vs Slug



Right In: 98.532 $\pm$ 46.841 χ^2 /NDF: 13.6/17

Left Out: 0.598 $\pm$ 17.319 χ^2 /NDF: 48.6/24

Right Out: -59.277 $\pm$ 47.602 χ^2 /NDF: 18.6/21

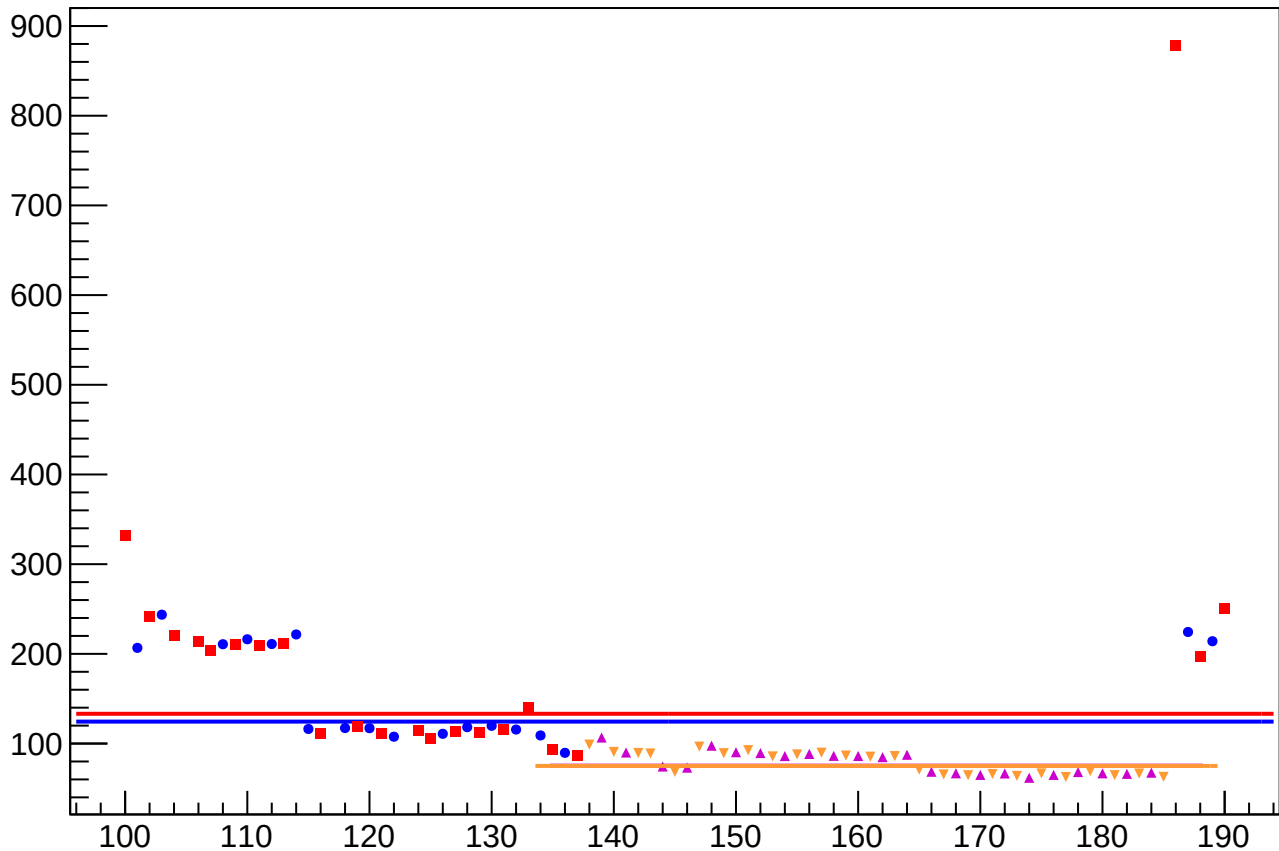
Left In: -58.907 $\pm$ 17.879 χ^2 /NDF: 25.8/22

+ sign 12.377 $\pm$ 16.244 χ^2 /NDF: 66.0/42

All: -22.222 $\pm$ 11.657 χ^2 /NDF: 119.7/87

- sign -58.952 $\pm$ 16.737 χ^2 /NDF: 44.4/44

reg_asym_sam_26_avg_rms vs Slug



Right In: 124.459+/-0.033 χ^2/NDF : 1550401.6/17

Left Out: 75.041+/-0.012 χ^2/NDF : 928107.8/24

Right Out: 133.190+/-0.034 χ^2/NDF : 2432184.9/21

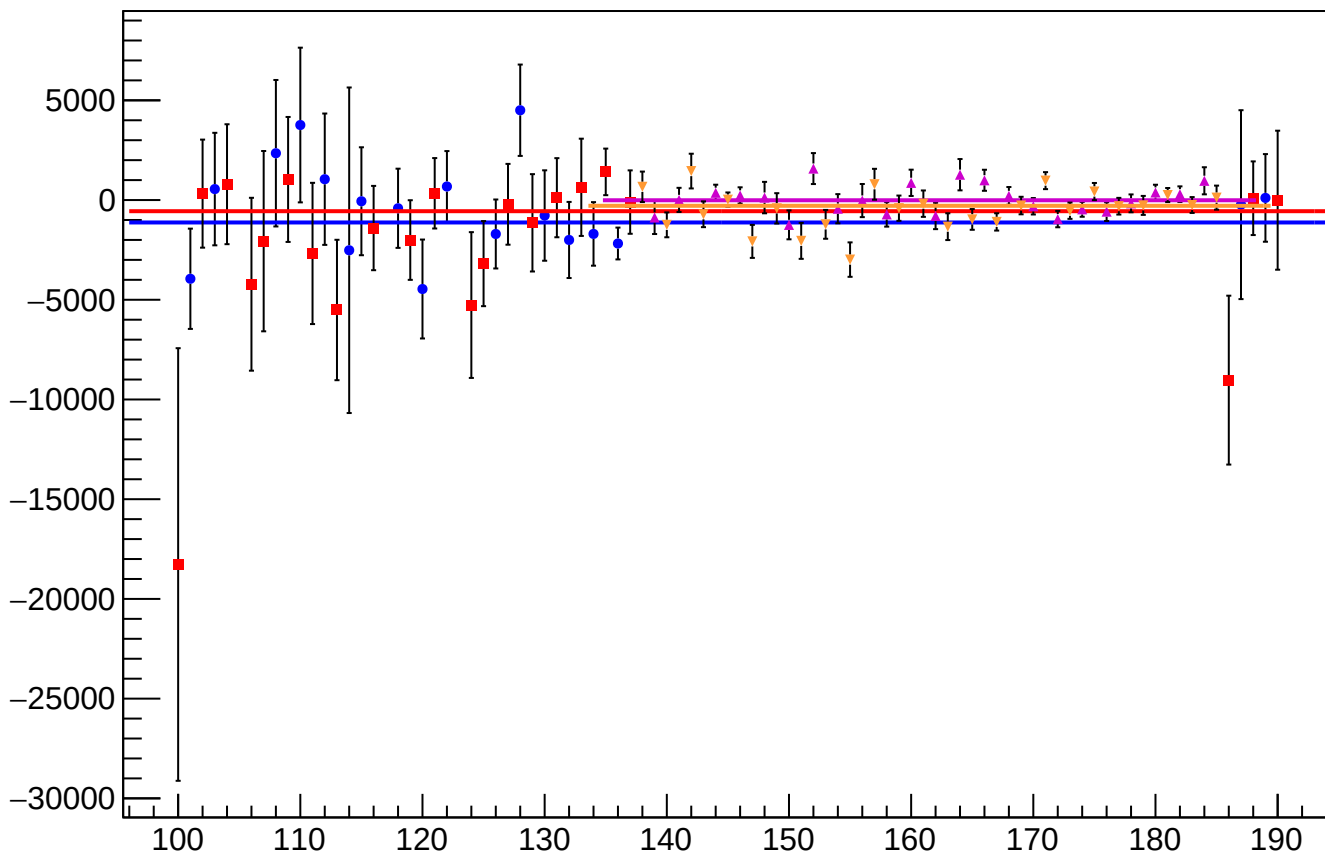
Left In: 75.352+/-0.013 χ^2/NDF : 837634.2/22

+ sign 80.985+/-0.011 χ^2/NDF : 4436906.2/42

All: 81.721+/-0.008 χ^2/NDF : 10302754.2/87

- sign 82.503+/-0.012 χ^2/NDF : 5857379.9/44

asym_sam_26_avg_reg_correction_mean vs Slug



Right In: -1124.527 ± 465.655 χ^2/NDF : 16.3/17

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -558.980 ± 493.582 χ^2/NDF : 18.0/21

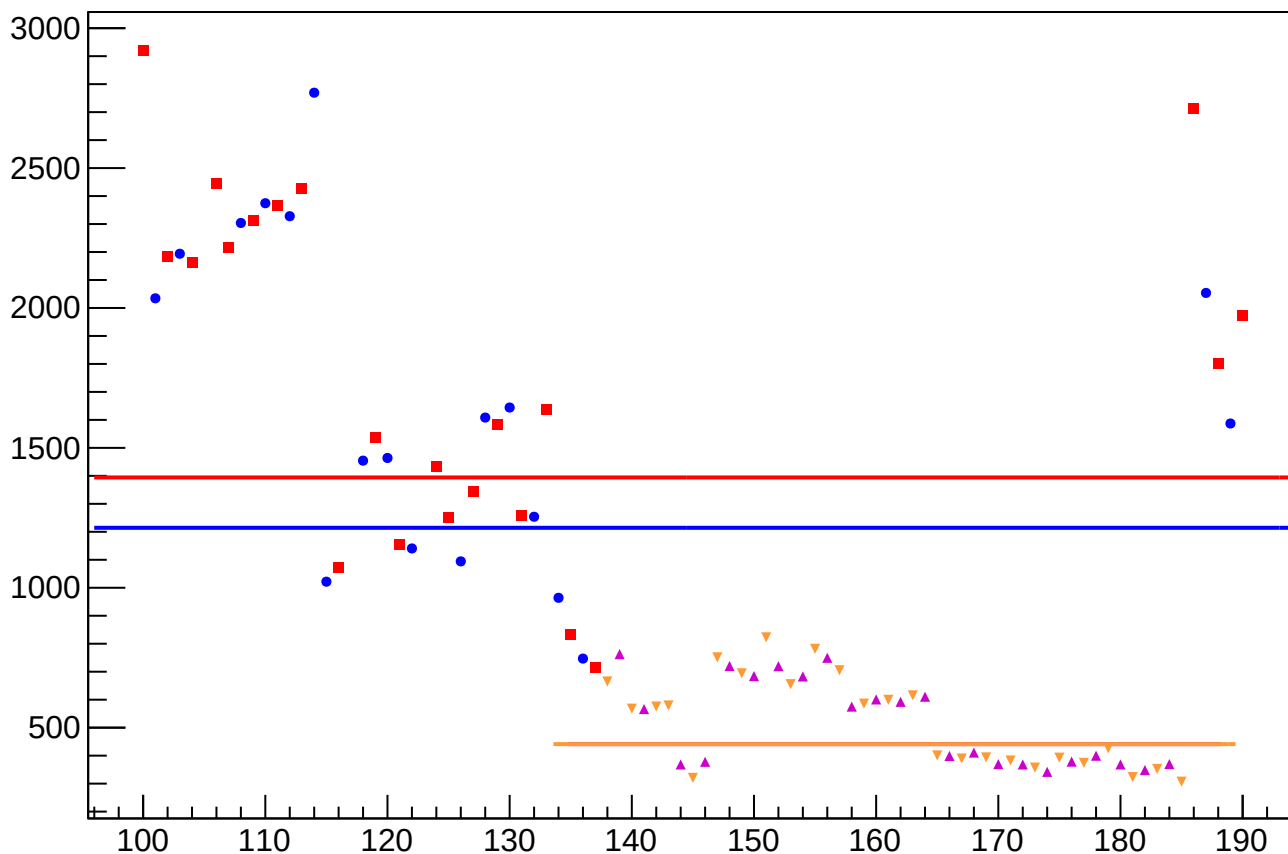
Left In: -10.643 ± 107.669 χ^2/NDF : 33.4/22

+ sign -328.720 ± 102.643 χ^2/NDF : 72.6/42

All: -185.736 ± 73.465 χ^2/NDF : 129.3/87

- sign -35.550 ± 105.196 χ^2/NDF : 52.6/44

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1214.358 +/- 0.329 χ^2/NDF : 2171035.0/17

Left Out: 441.128 +/- 0.074 χ^2/NDF : 3234629.2/24

Right Out: 1394.273 +/- 0.349 χ^2/NDF : 2335055.9/21

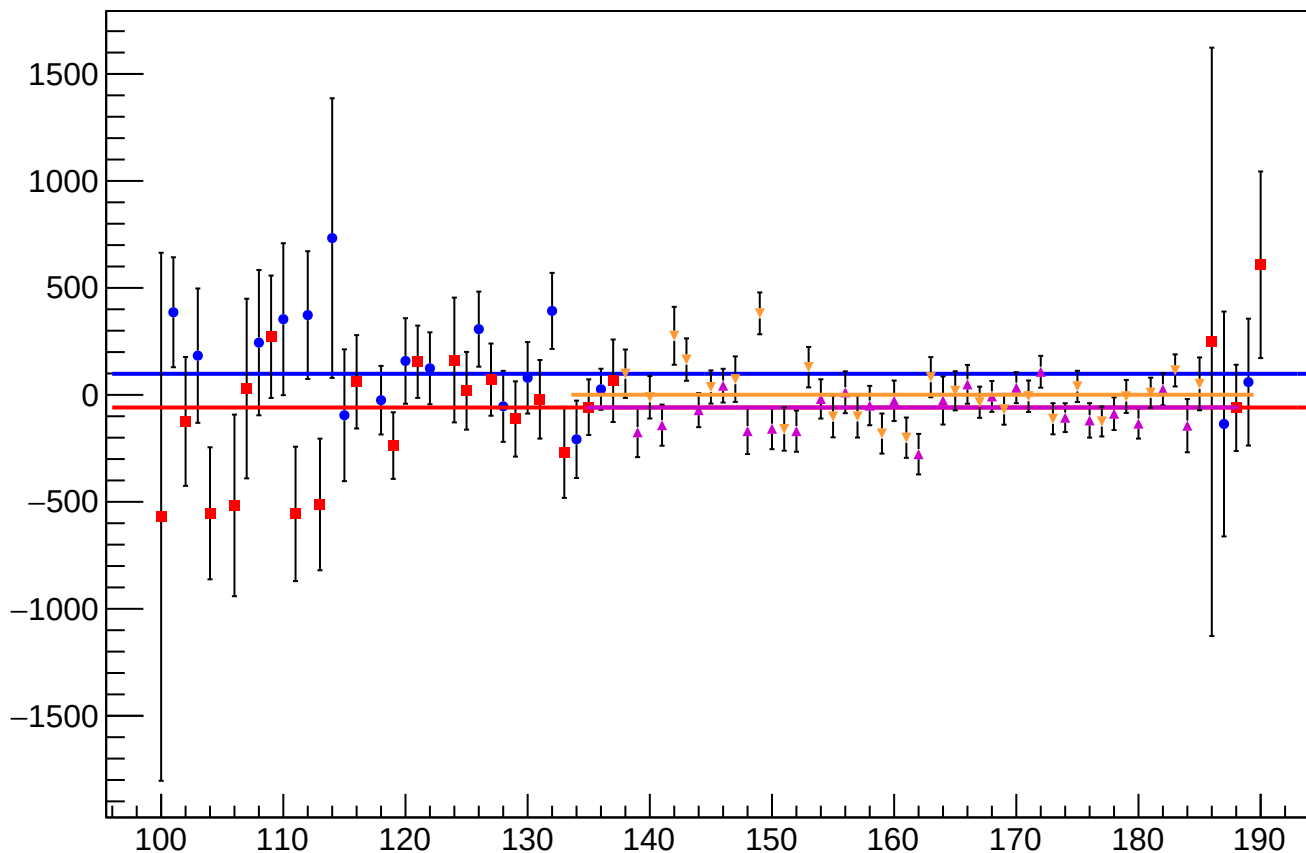
Left In: 441.196 +/- 0.076 χ^2/NDF : 2682075.8/22

+ sign 478.698 +/- 0.073 χ^2/NDF : 10652364.6/42

All: 481.522 +/- 0.052 χ^2/NDF : 22790949.6/87

- sign 484.488 +/- 0.074 χ^2/NDF : 12135481.3/44

cor_asym_sam_26_avg_mean vs Slug



Right In: 98.519 $\pm$ 46.841 χ^2/NDF : 13.6/17

Left Out: 0.598 $\pm$ 17.319 χ^2/NDF : 48.6/24

Right Out: -59.065 $\pm$ 47.605 χ^2/NDF : 18.5/21

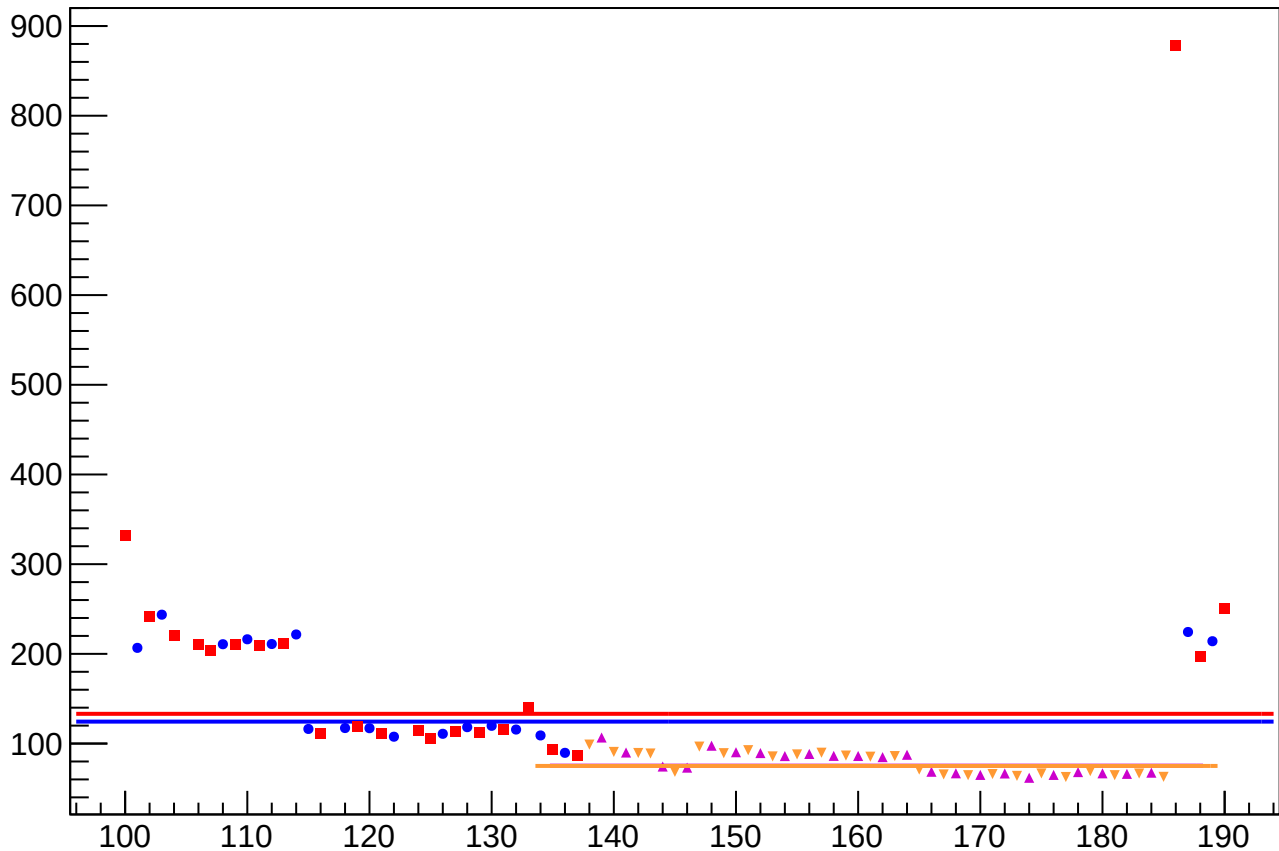
Left In: -58.904 $\pm$ 17.879 χ^2/NDF : 25.8/22

+ sign 12.375 $\pm$ 16.244 χ^2/NDF : 66.0/42

All: -22.209 $\pm$ 11.657 χ^2/NDF : 119.7/87

- sign -58.924 $\pm$ 16.738 χ^2/NDF : 44.3/44

cor_asym_sam_26_avg_rms vs Slug



Right In: 124.459 $\pm$ 0.033 χ^2 /NDF: 1550404.1/17

Left Out: 75.041 $\pm$ 0.012 χ^2 /NDF: 928107.8/24

Right Out: 133.144 $\pm$ 0.034 χ^2 /NDF: 2426581.0/21

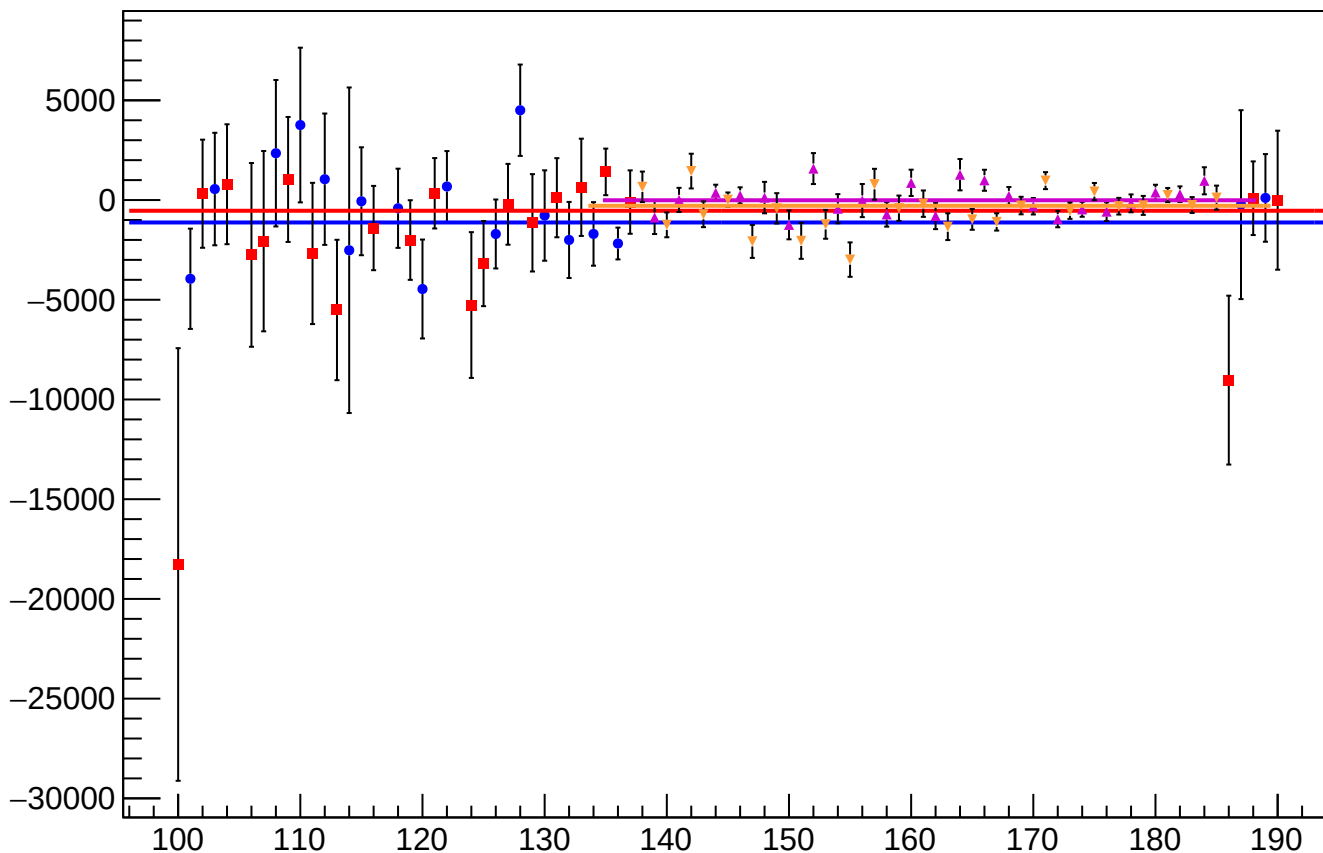
Left In: 75.352 $\pm$ 0.013 χ^2 /NDF: 837634.2/22

+ sign 80.985 $\pm$ 0.011 χ^2 /NDF: 4436908.2/42

All: 81.718 $\pm$ 0.008 χ^2 /NDF: 10292716.5/87

- sign 82.496 $\pm$ 0.012 χ^2 /NDF: 5847411.6/44

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1124.504 ± 465.656 χ^2/NDF : 16.3/17

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -536.801 ± 493.961 χ^2/NDF : 17.6/21

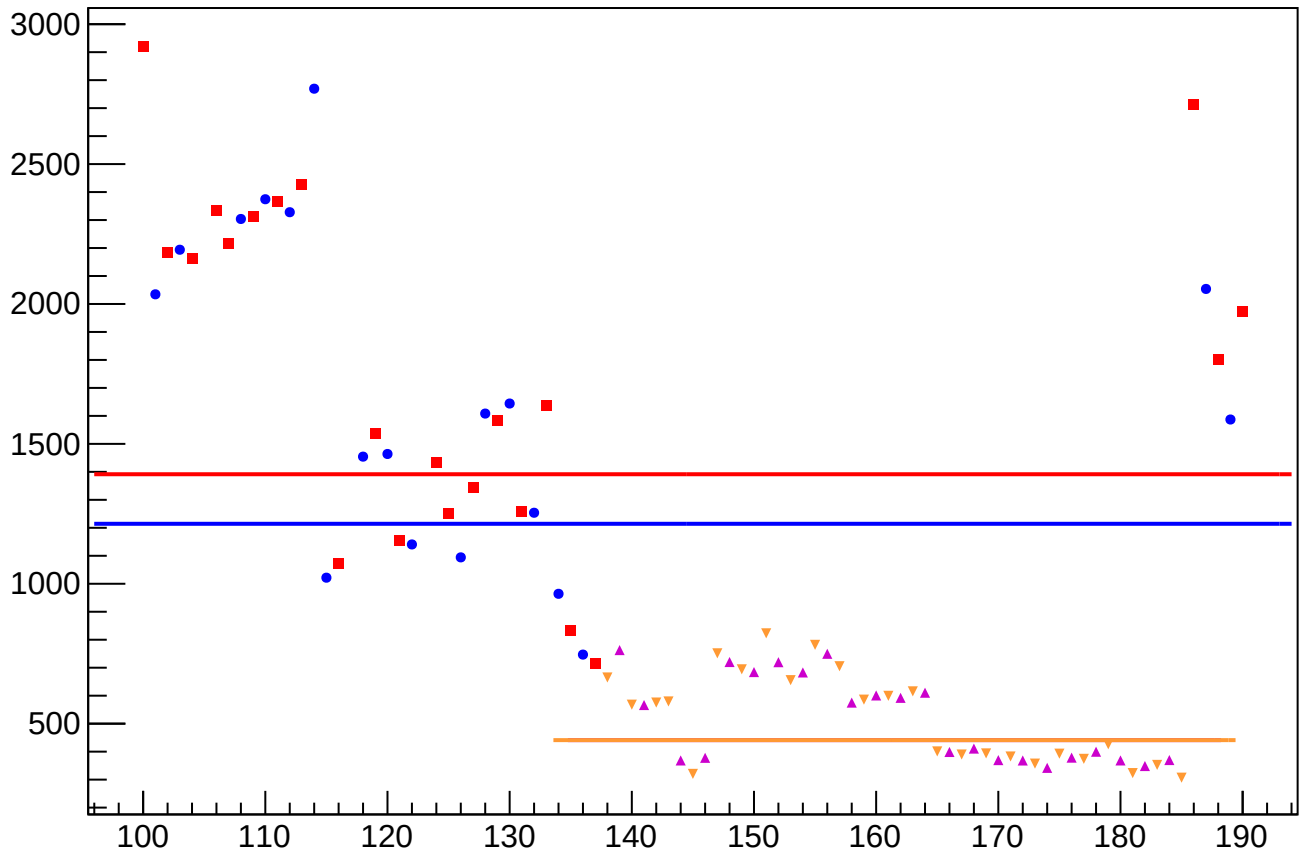
Left In: -10.644 ± 107.670 χ^2/NDF : 33.4/22

+ sign -328.719 ± 102.643 χ^2/NDF : 72.6/42

All: -185.232 ± 73.467 χ^2/NDF : 128.7/87

- sign -34.509 ± 105.199 χ^2/NDF : 52.0/44

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1214.358+/-0.329 χ^2/NDF : 2171066.1/17

Left Out: 441.128+/-0.074 χ^2/NDF : 3234622.5/24

Right Out: 1391.464+/-0.349 χ^2/NDF : 2301364.5/21

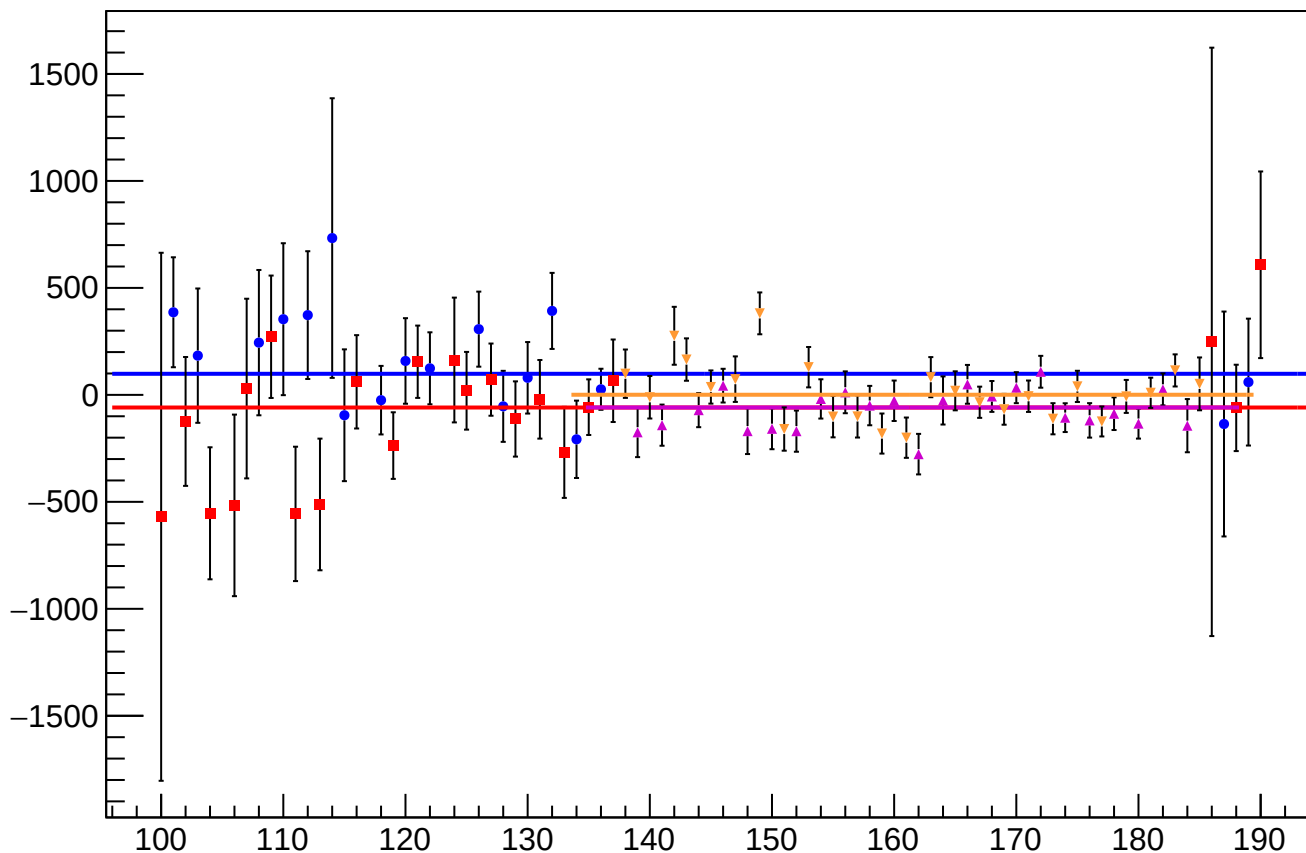
Left In: 441.196+/-0.076 χ^2/NDF : 2682073.9/22

+ sign 478.698+/-0.073 χ^2/NDF : 10652372.4/42

All: 481.429+/-0.052 χ^2/NDF : 22704796.8/87

- sign 484.297+/-0.074 χ^2/NDF : 12049521.9/44

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 98.519 ± 46.841 χ^2/NDF : 13.6/17

Left Out: 0.598 ± 17.319 χ^2/NDF : 48.6/24

Right Out: -59.065 ± 47.605 χ^2/NDF : 18.5/21

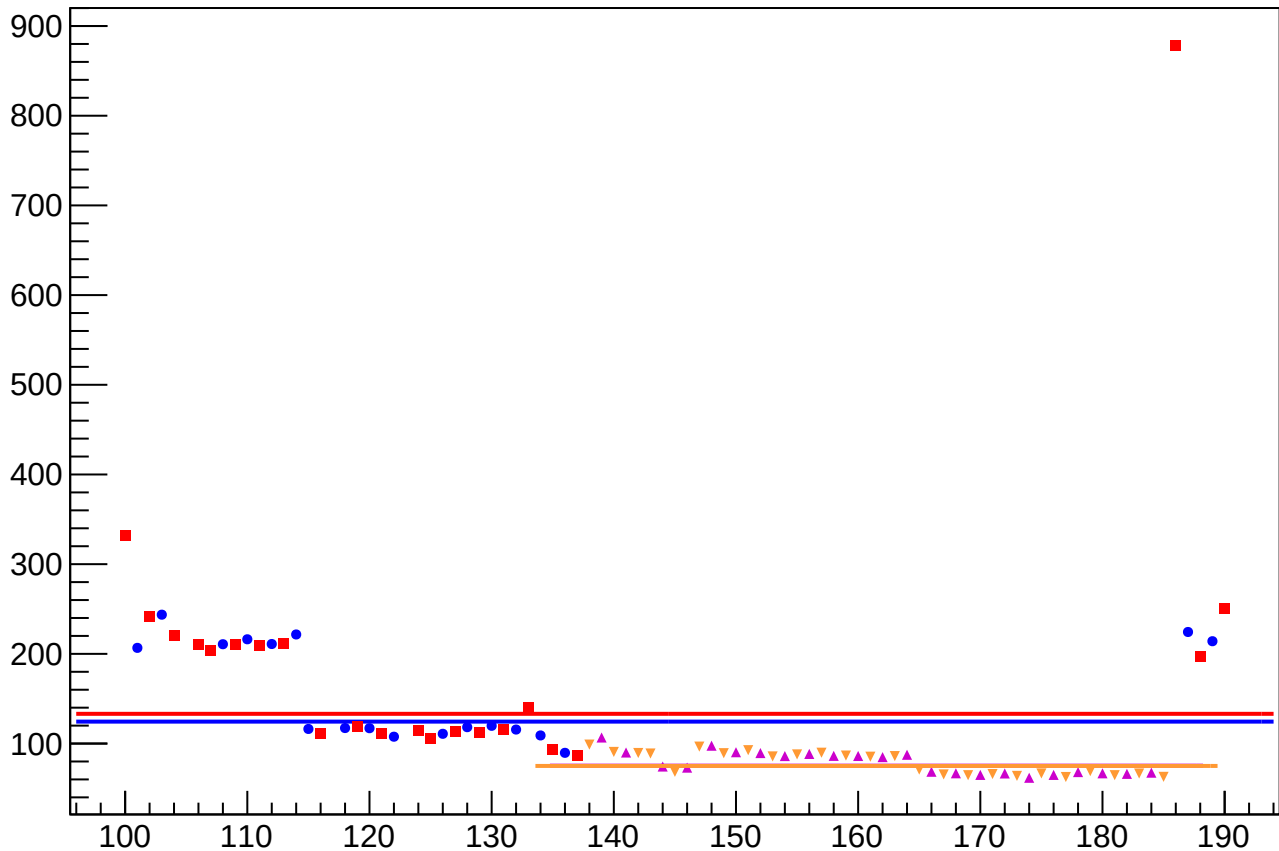
Left In: -58.904 ± 17.879 χ^2/NDF : 25.8/22

+ sign 12.375 ± 16.244 χ^2/NDF : 66.0/42

All: -22.209 ± 11.657 χ^2/NDF : 119.7/87

- sign -58.924 ± 16.738 χ^2/NDF : 44.3/44

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 124.459 $\pm$ 0.033 χ^2 /NDF: 1550404.1/17

Left Out: 75.041 $\pm$ 0.012 χ^2 /NDF: 928107.8/24

Right Out: 133.144 $\pm$ 0.034 χ^2 /NDF: 2426581.0/21

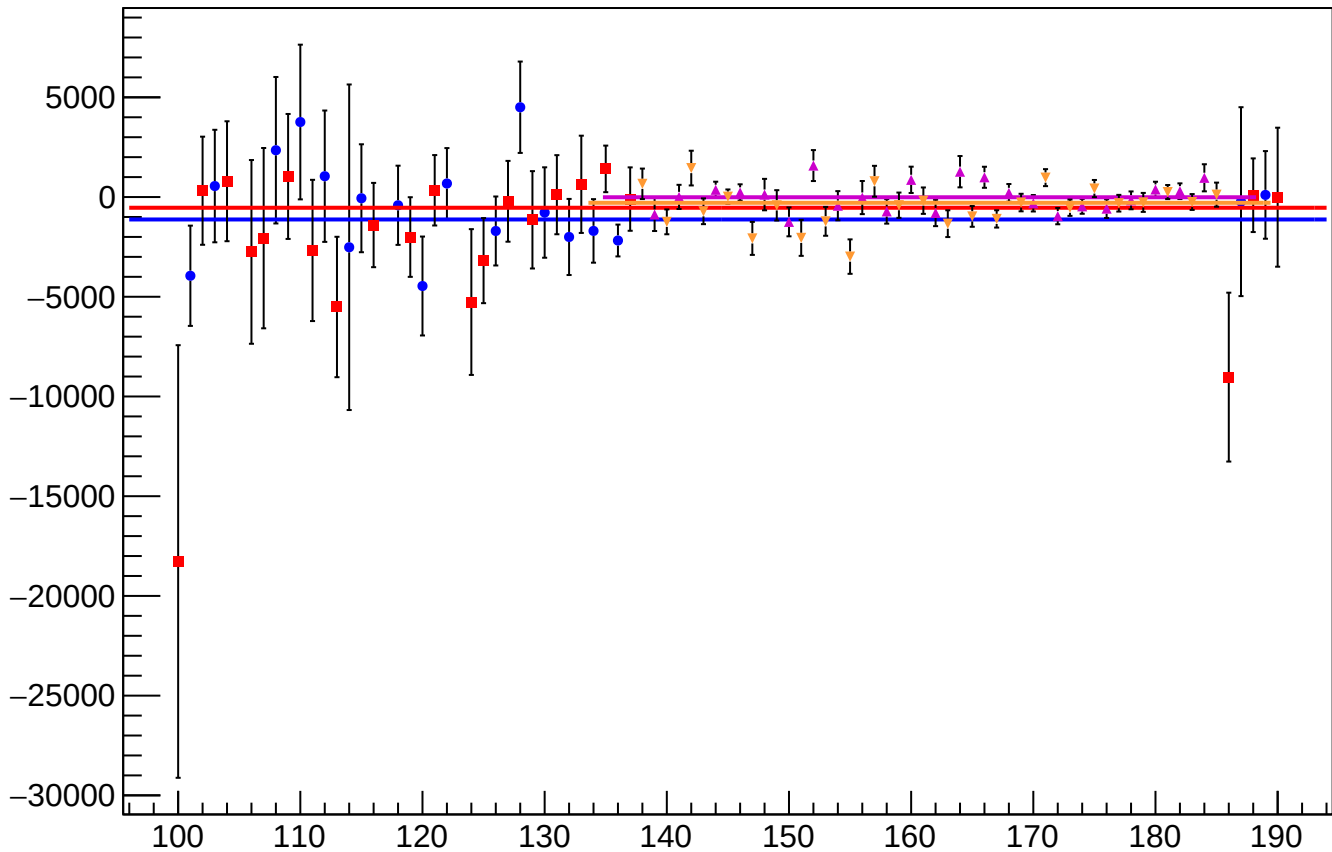
Left In: 75.352 $\pm$ 0.013 χ^2 /NDF: 837634.2/22

+ sign 80.985 $\pm$ 0.011 χ^2 /NDF: 4436908.2/42

All: 81.718 $\pm$ 0.008 χ^2 /NDF: 10292716.5/87

- sign 82.496 $\pm$ 0.012 χ^2 /NDF: 5847411.6/44

asym_sam_26_avg_eigen_cor_correction_mean vs Slug



Right In: -1124.504 ± 465.656 χ^2/NDF : 16.3/17

Left Out: -288.079 ± 105.231 χ^2/NDF : 53.3/24

Right Out: -536.801 ± 493.961 χ^2/NDF : 17.6/21

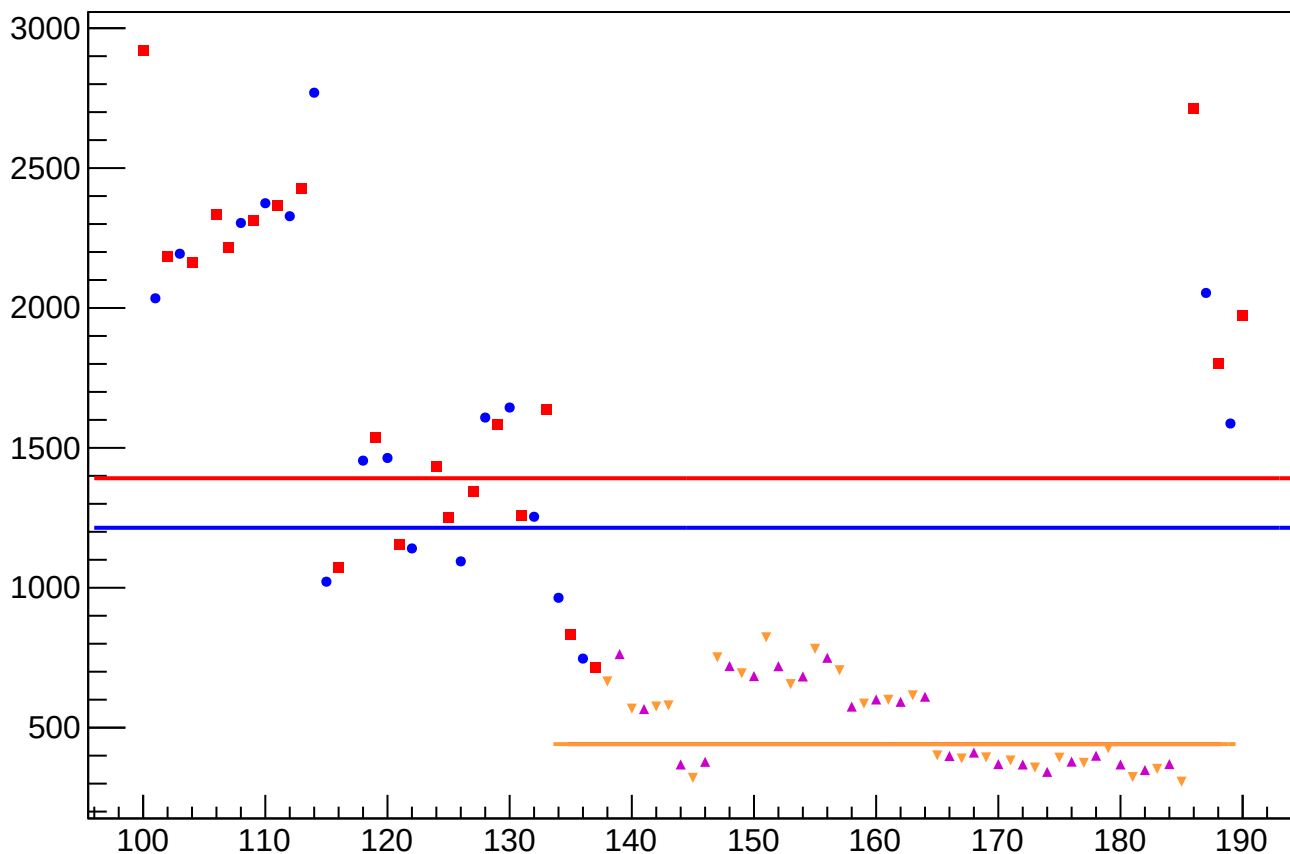
Left In: -10.644 ± 107.670 χ^2/NDF : 33.4/22

+ sign -328.719 ± 102.643 χ^2/NDF : 72.6/42

All: -185.232 ± 73.467 χ^2/NDF : 128.7/87

- sign -34.509 ± 105.199 χ^2/NDF : 52.0/44

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1214.358 $\pm$ 0.329 χ^2 /NDF: 2171066.1/17

Left Out: 441.128 $\pm$ 0.074 χ^2 /NDF: 3234622.5/24

Right Out: 1391.464 $\pm$ 0.349 χ^2 /NDF: 2301364.5/21

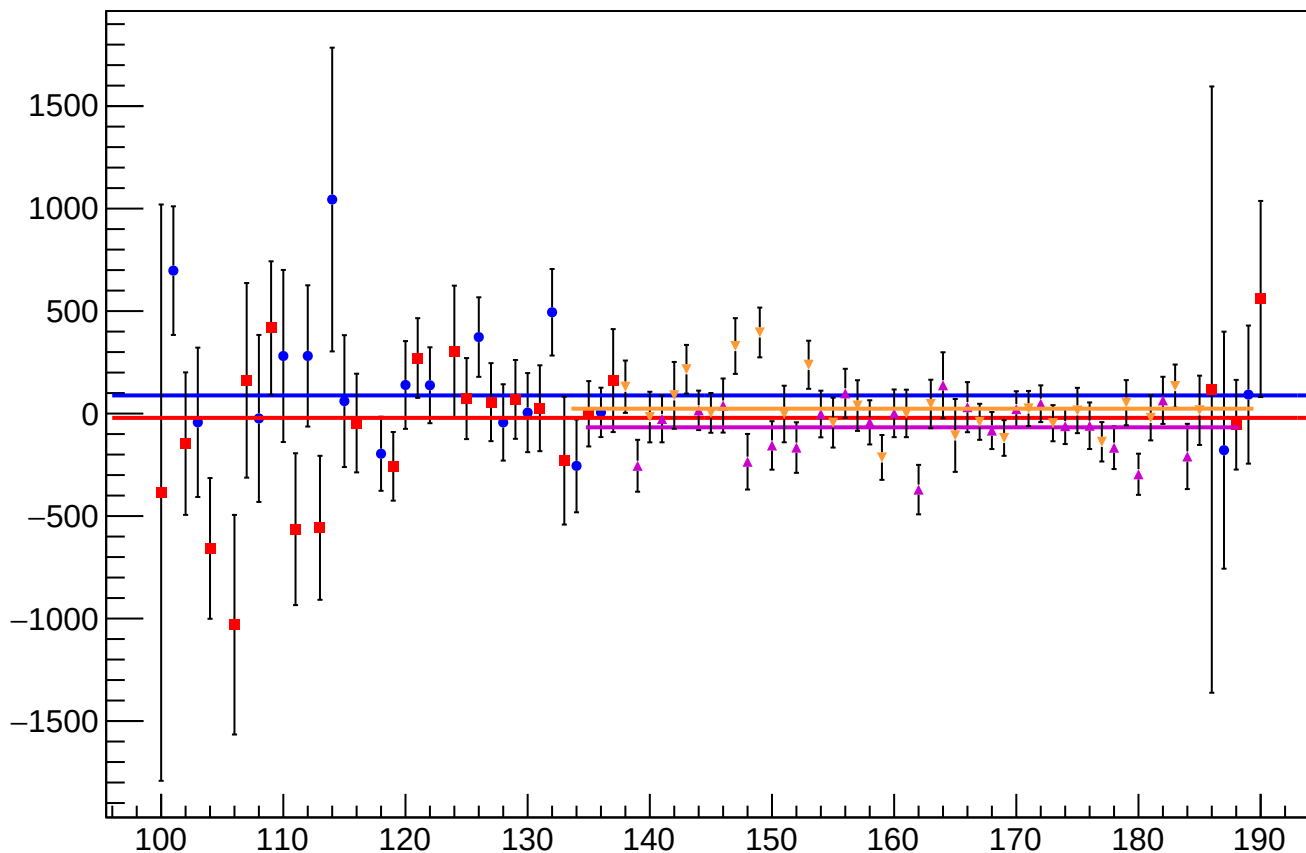
Left In: 441.196 $\pm$ 0.076 χ^2 /NDF: 2682073.9/22

+ sign 478.698 $\pm$ 0.073 χ^2 /NDF: 10652372.4/42

All: 481.429 $\pm$ 0.052 χ^2 /NDF: 22704796.8/87

- sign 484.297 $\pm$ 0.074 χ^2 /NDF: 12049521.9/44

dit_asym_sam_26_avg_mean vs Slug



Right In: 88.550 ± 54.579 χ^2/NDF : 18.3/17

Left Out: 23.873 ± 22.414 χ^2/NDF : 35.2/24

Right Out: -20.996 ± 54.771 χ^2/NDF : 22.1/21

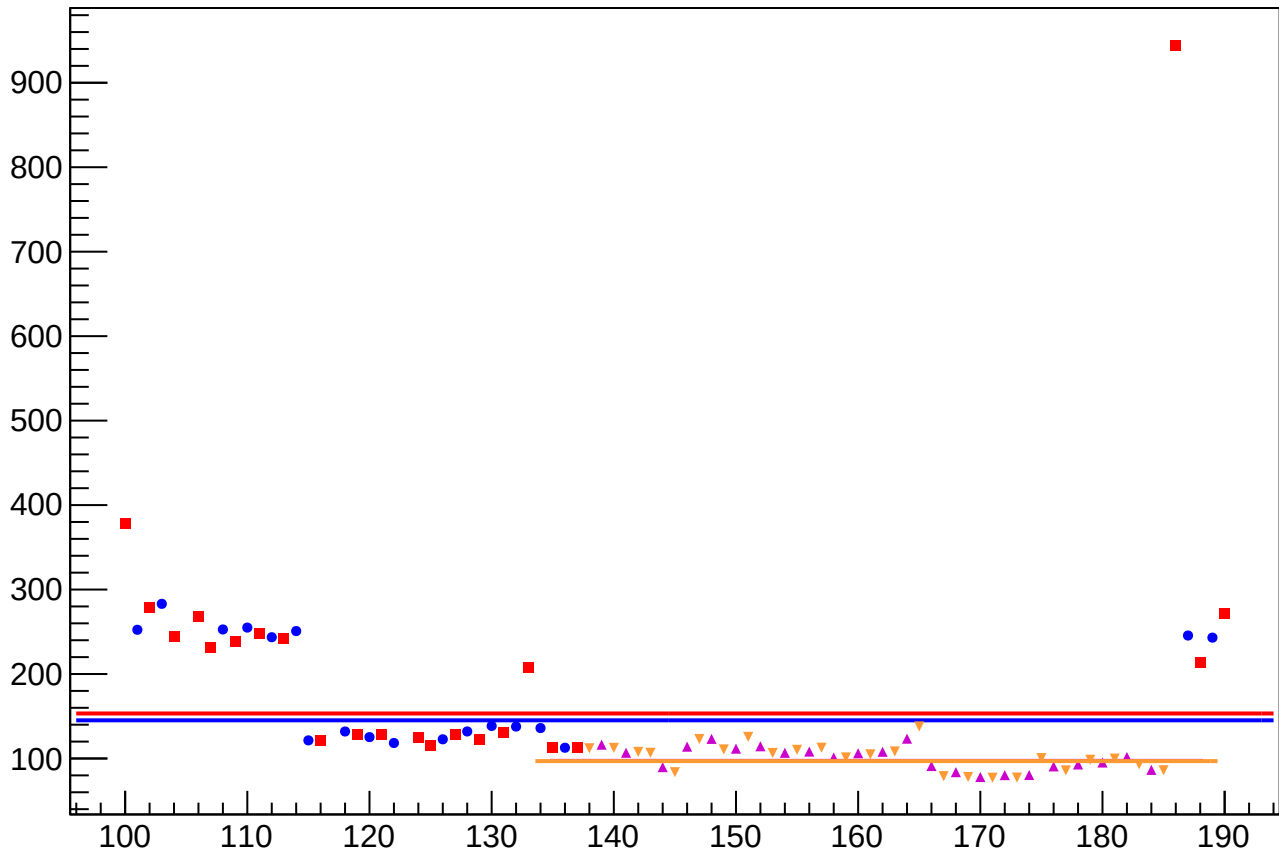
Left In: -67.086 ± 23.121 χ^2/NDF : 28.6/22

+ sign 33.207 ± 20.734 χ^2/NDF : 54.7/42

All: -12.195 ± 14.857 χ^2/NDF : 115.8/87

- sign -60.115 ± 21.301 χ^2/NDF : 51.3/44

dit_asym_sam_26_avg_rms vs Slug



Right In: 145.177 $\pm$ 0.039 χ^2 /NDF: 1499896.5/17

Left Out: 96.907 $\pm$ 0.016 χ^2 /NDF:933980.7/24

Right Out: 153.290 $\pm$ 0.039 χ^2 /NDF: 2386767.6/21

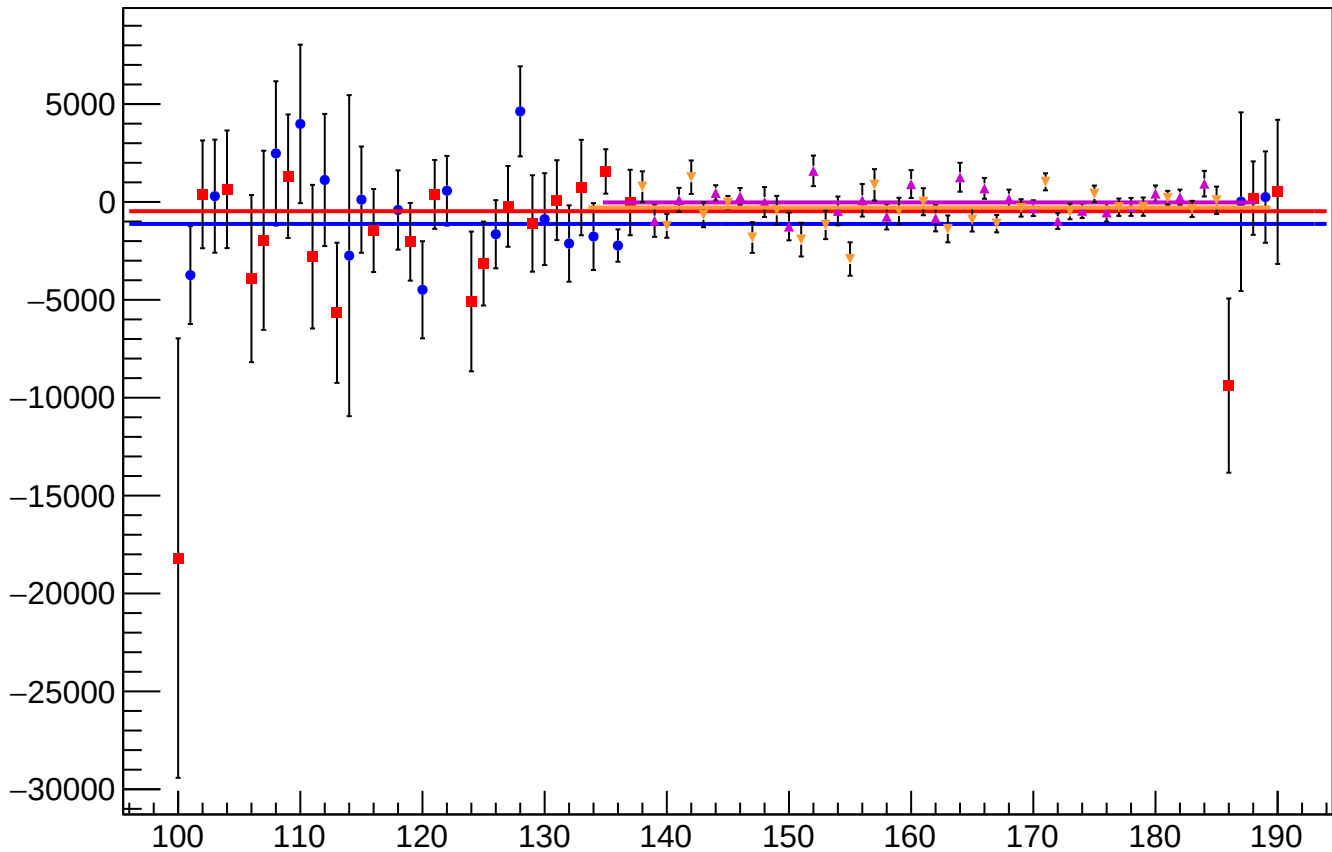
Left In: 97.167 $\pm$ 0.016 χ^2 /NDF:674595.2/22

+ sign 103.873 $\pm$ 0.015 χ^2 /NDF: 3772436.2/42

All: 104.740 $\pm$ 0.011 χ^2 /NDF: 8623307.5/87

- sign 105.656 $\pm$ 0.015 χ^2 /NDF: 4843677.4/44

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1122.784 ± 478.197 χ^2/NDF : 16.4/17

Left Out: -282.422 ± 106.394 χ^2/NDF : 50.4/24

Right Out: -473.297 ± 496.732 χ^2/NDF : 18.5/21

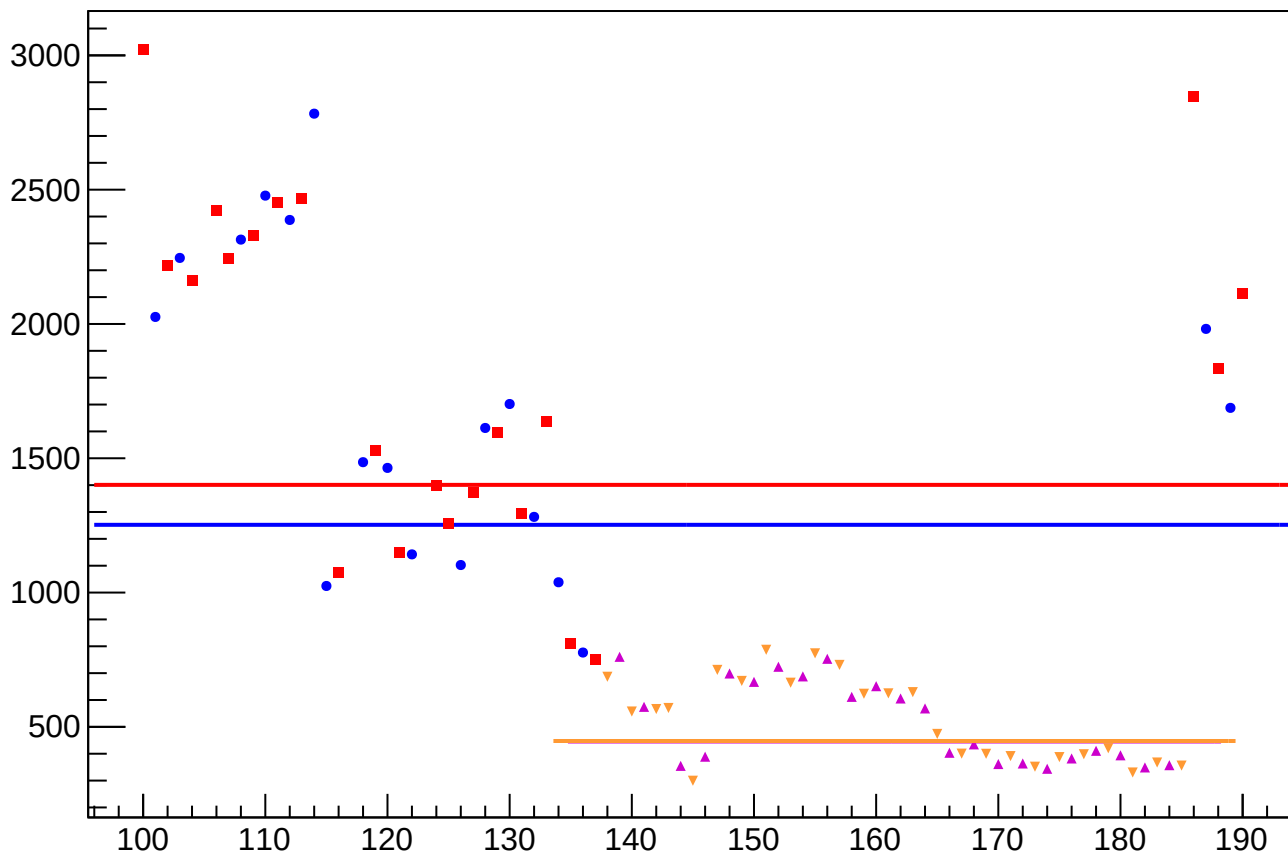
Left In: -24.625 ± 108.884 χ^2/NDF : 32.9/22

+ sign -322.060 ± 103.855 χ^2/NDF : 69.8/42

All: -186.925 ± 74.306 χ^2/NDF : 125.4/87

- sign -45.195 ± 106.358 χ^2/NDF : 52.2/44

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1252.226 $\pm$ 0.338 χ^2/NDF : 2086447.3/17

Left Out: 447.386 $\pm$ 0.075 χ^2/NDF : 3197771.9/24

Right Out: 1400.955 $\pm$ 0.351 χ^2/NDF : 2421109.7/21

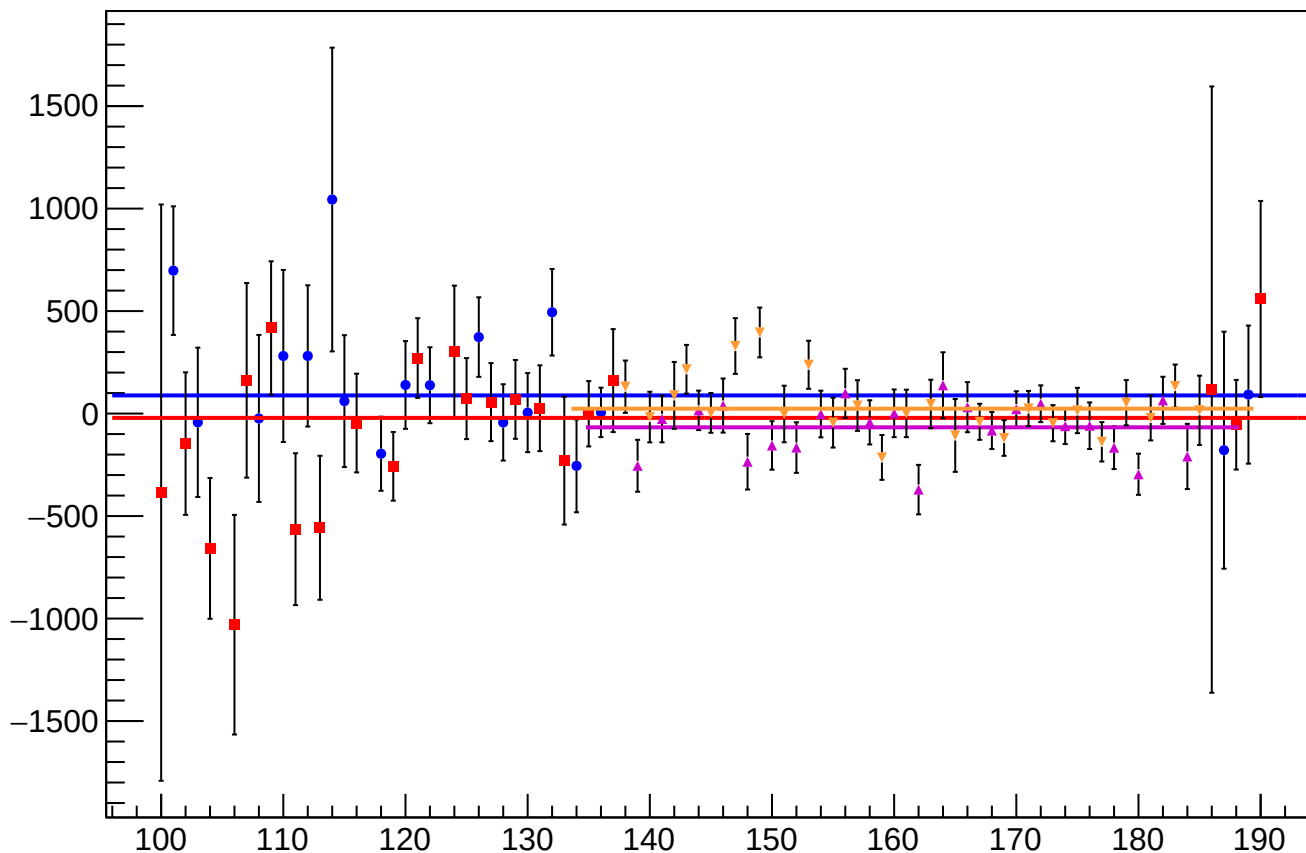
Left In: 445.491 $\pm$ 0.077 χ^2/NDF : 2713295.1/22

+ sign 485.348 $\pm$ 0.073 χ^2/NDF : 10682464.5/42

All: 487.274 $\pm$ 0.053 χ^2/NDF : 22878740.4/87

- sign 489.295 $\pm$ 0.075 χ^2/NDF : 12194865.5/44

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 88.553 ± 54.579 χ^2/NDF : 18.3/17

Left Out: 23.872 ± 22.414 χ^2/NDF : 35.2/24

Right Out: -20.997 ± 54.770 χ^2/NDF : 22.1/21

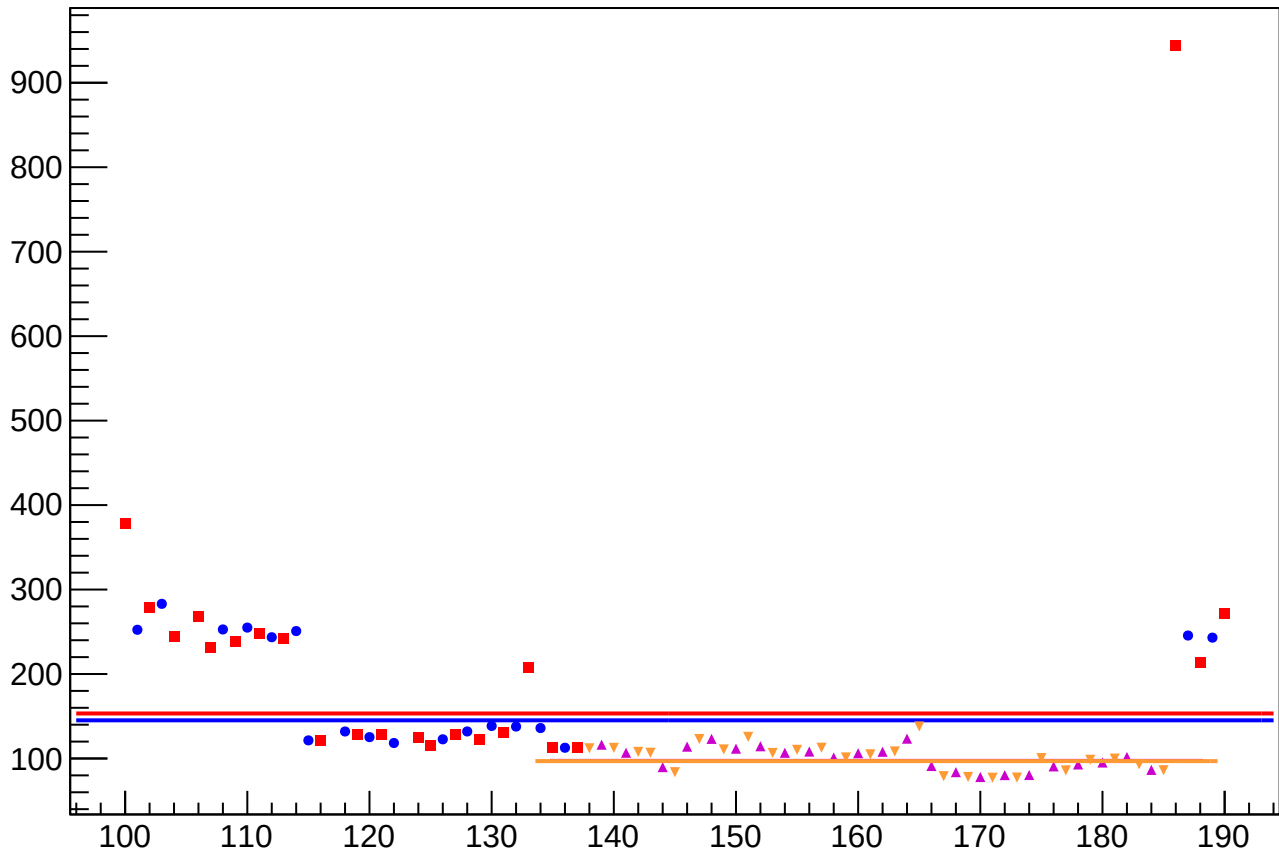
Left In: -67.085 ± 23.121 χ^2/NDF : 28.6/22

+ sign 33.206 ± 20.734 χ^2/NDF : 54.7/42

All: -12.195 ± 14.857 χ^2/NDF : 115.8/87

- sign -60.114 ± 21.301 χ^2/NDF : 51.3/44

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 145.176 $\pm$ 0.039 χ^2 /NDF: 1499886.2/17

Left Out: 96.907 $\pm$ 0.016 χ^2 /NDF:933979.3/24

Right Out: 153.289 $\pm$ 0.039 χ^2 /NDF: 2386757.9/21

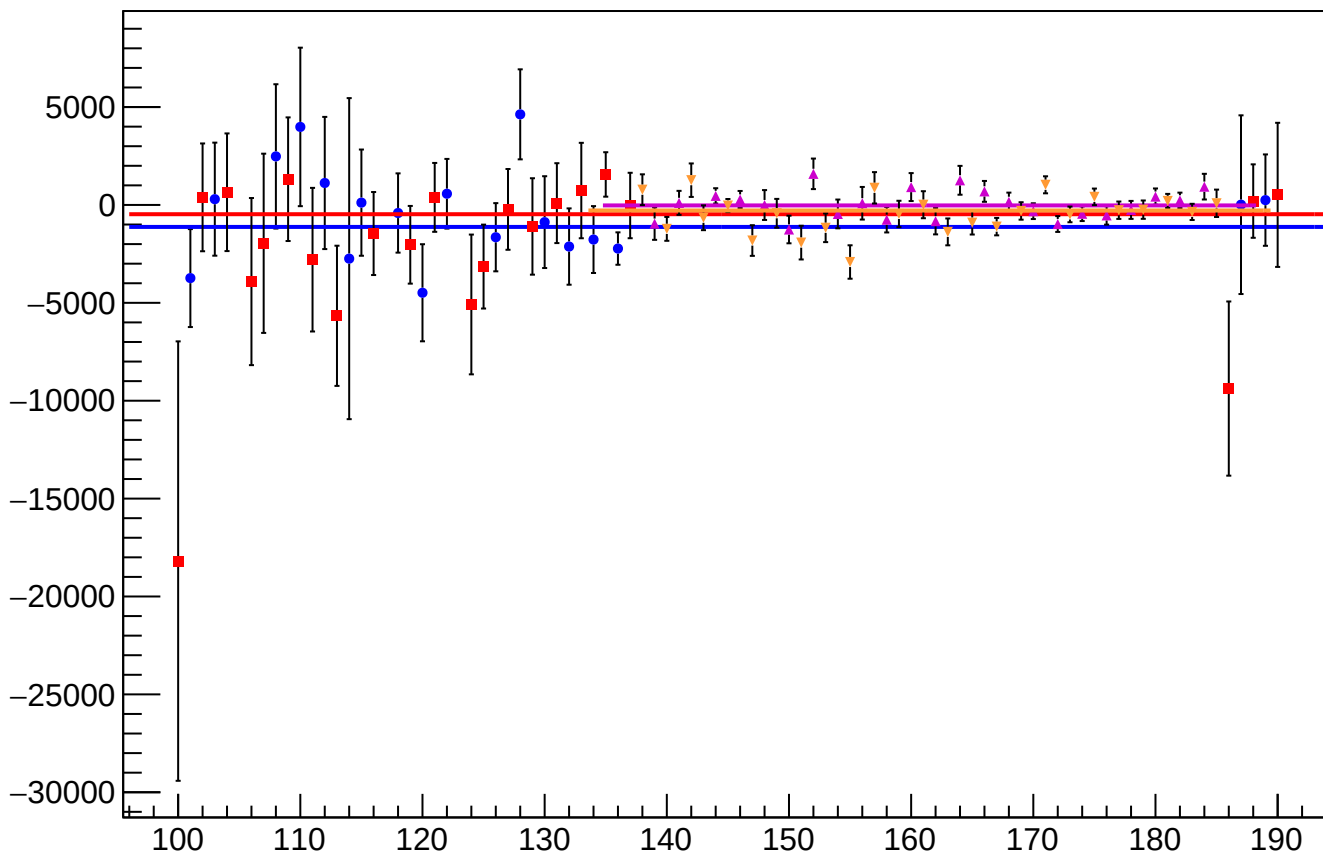
Left In: 97.168 $\pm$ 0.016 χ^2 /NDF:674586.0/22

+ sign 103.873 $\pm$ 0.015 χ^2 /NDF: 3772381.6/42

All: 104.741 $\pm$ 0.011 χ^2 /NDF: 8623194.4/87

- sign 105.656 $\pm$ 0.015 χ^2 /NDF: 4843617.9/44

asym_sam_26_avg_eigen_dit_correction_mean vs Slug



Right In: -1122.781 ± 478.196 χ^2/NDF : 16.4/17

Left Out: -282.421 ± 106.394 χ^2/NDF : 50.4/24

Right Out: -473.298 ± 496.732 χ^2/NDF : 18.5/21

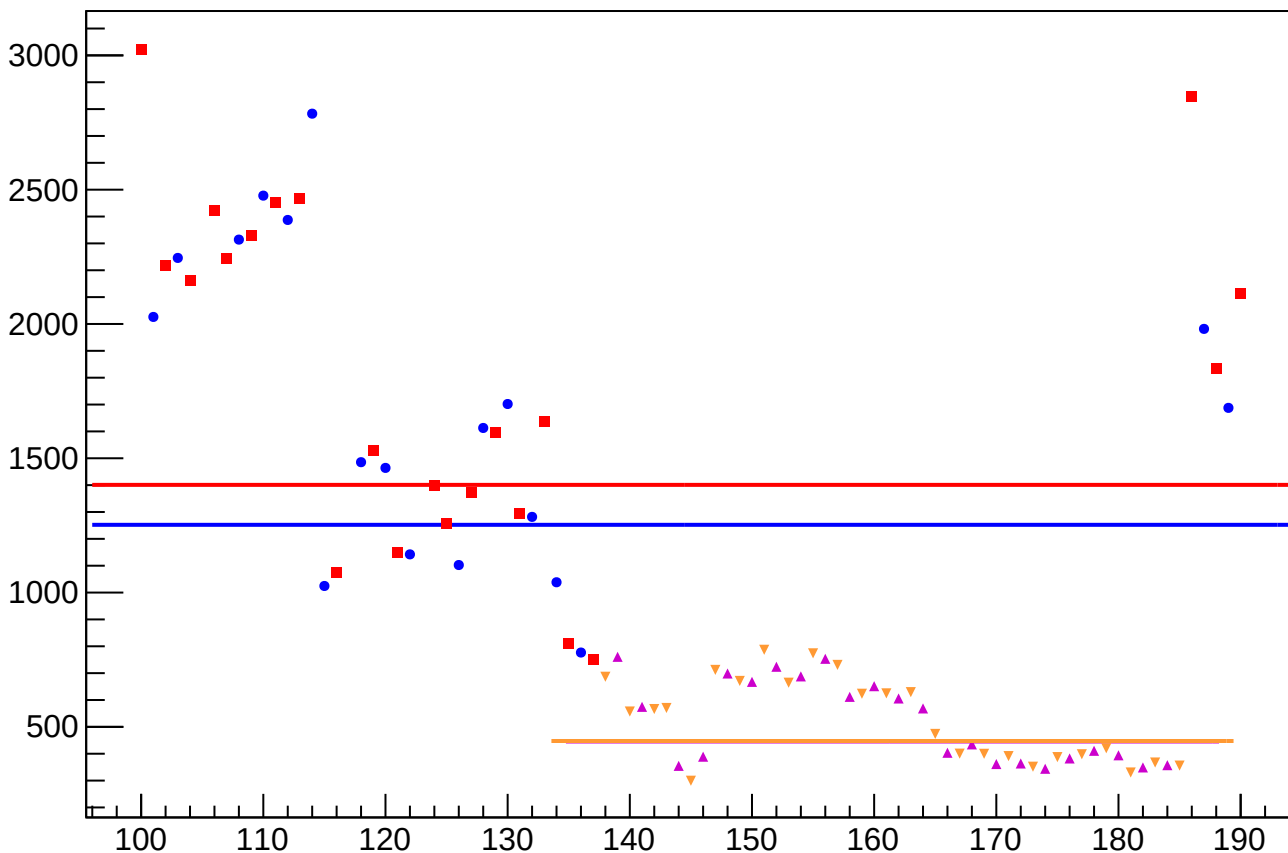
Left In: -24.626 ± 108.884 χ^2/NDF : 32.9/22

+ sign -322.059 ± 103.855 χ^2/NDF : 69.8/42

All: -186.924 ± 74.306 χ^2/NDF : 125.4/87

- sign -45.196 ± 106.358 χ^2/NDF : 52.2/44

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1252.225 +/- 0.338 χ^2/NDF : 2086426.9/17

Left Out: 447.385 +/- 0.075 χ^2/NDF : 3197793.9/24

Right Out: 1400.955 +/- 0.351 χ^2/NDF : 2421094.1/21

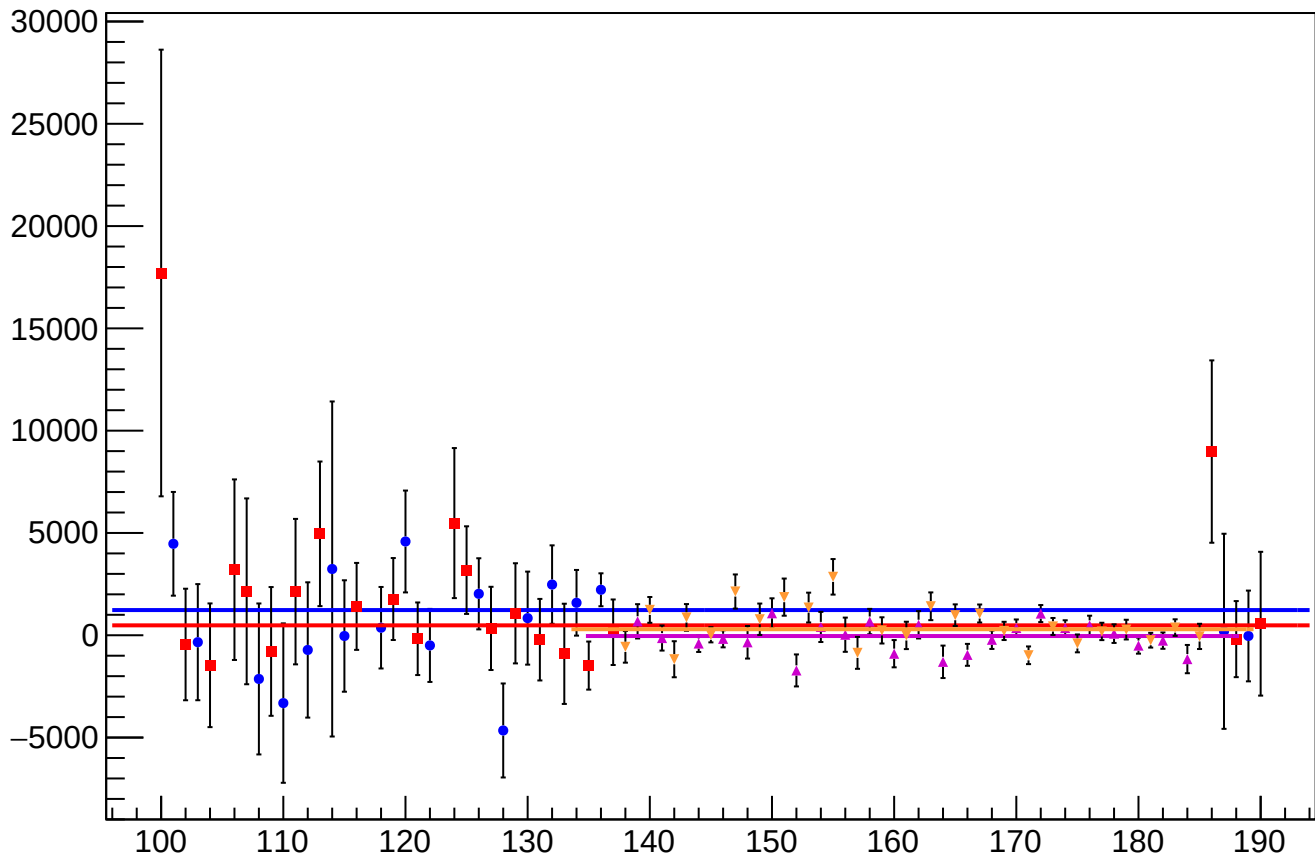
Left In: 445.491 +/- 0.077 χ^2/NDF : 2713303.9/22

+ sign 485.347 +/- 0.073 χ^2/NDF : 10682477.0/42

All: 487.274 +/- 0.053 χ^2/NDF : 22878754.5/87

- sign 489.295 +/- 0.075 χ^2/NDF : 12194867.1/44

asym_sam_26_avg_mean vs Slug



Right In: 1231.234 $\pm$ 468.689 χ^2 /NDF: 16.9/17

Left Out: 295.006 $\pm$ 106.810 χ^2 /NDF:50.5/24

Right Out: 484.174 $\pm$ 496.575 χ^2 /NDF: 16.8/21

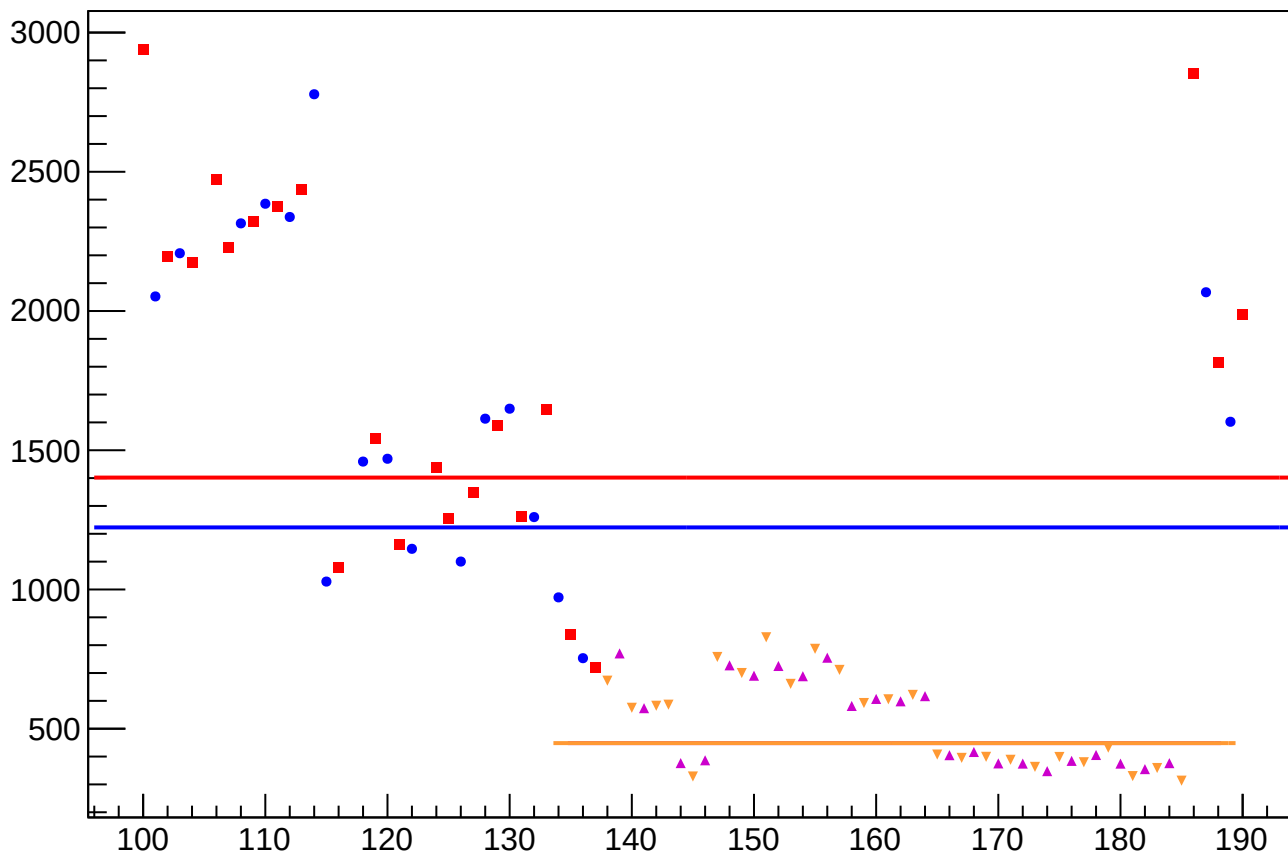
Left In: -38.107 $\pm$ 109.315 χ^2 /NDF:32.9/22

+ sign 341.228 $\pm$ 104.140 χ^2 /NDF: 71.2/42

All: 168.042 $\pm$ 74.547 χ^2 /NDF: 127.6/87

- sign -13.966 $\pm$ 106.759 χ^2 /NDF: 50.8/44

asym_sam_26_avg_rms vs Slug



Right In: 1222.892+/-0.331 χ^2 /NDF: 2159019.7/17

Left Out: 448.278+/-0.076 χ^2 /NDF:3156909.8/24

Right Out: 1401.831+/-0.351 χ^2 /NDF: 2349857.9/21

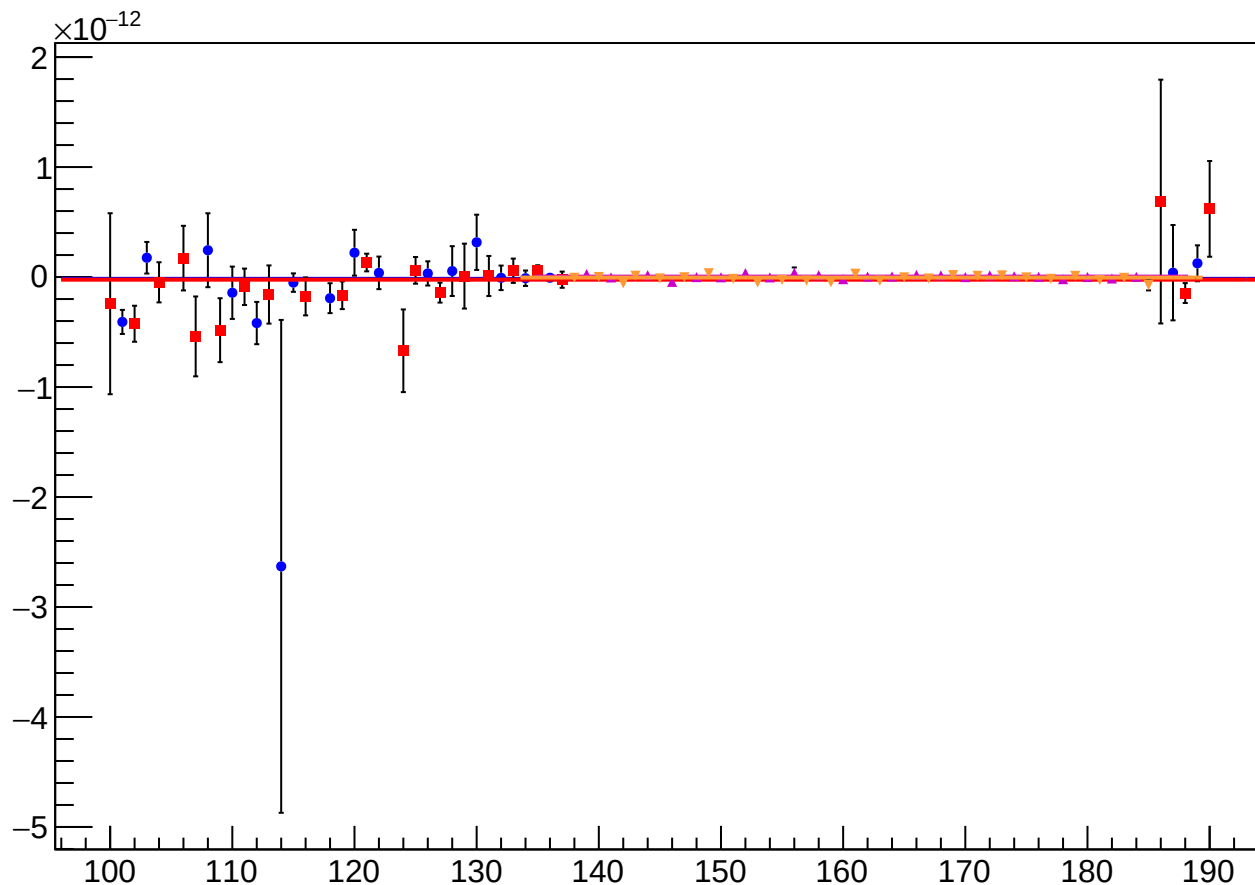
Left In: 448.397+/-0.077 χ^2 /NDF:2620759.6/22

+ sign 486.521+/-0.074 χ^2 /NDF: 10509222.1/42

All: 489.420+/-0.053 χ^2 /NDF: 22515179.4/87

- sign 492.466+/-0.075 χ^2 /NDF: 12002779.6/44

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 27.6/17

Left Out: -0.000+/-0.000 χ^2 /NDF:23.2/24

Right Out: -0.000+/-0.000 χ^2 /NDF: 30.1/21

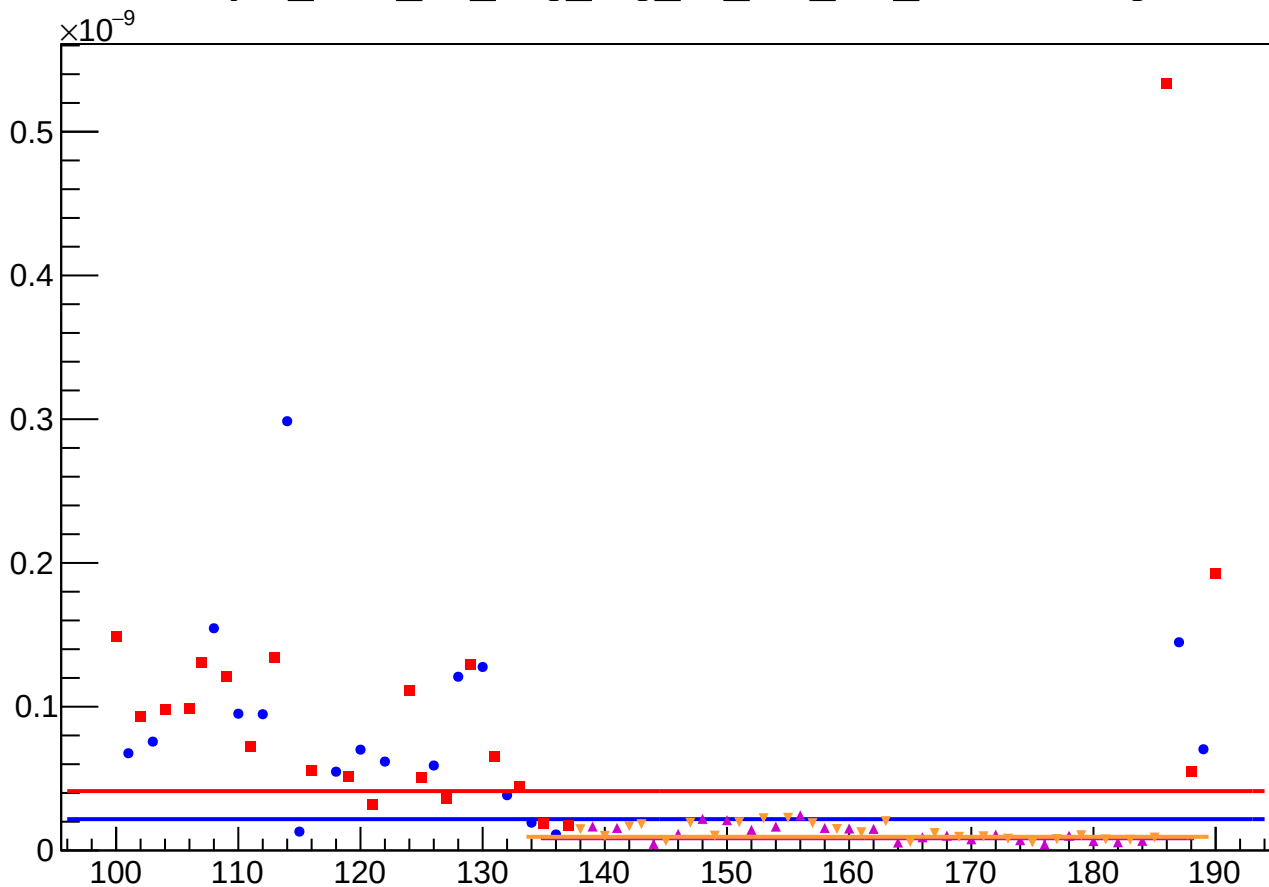
Left In: 0.000+/-0.000 χ^2 /NDF:16.7/22

+ sign -0.000+/-0.000 χ^2 /NDF: 51.1/42

All: -0.000+/-0.000 χ^2 /NDF: 101.6/87

- sign 0.000+/-0.000 χ^2 /NDF: 47.9/44

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3723508.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2770786.2/21

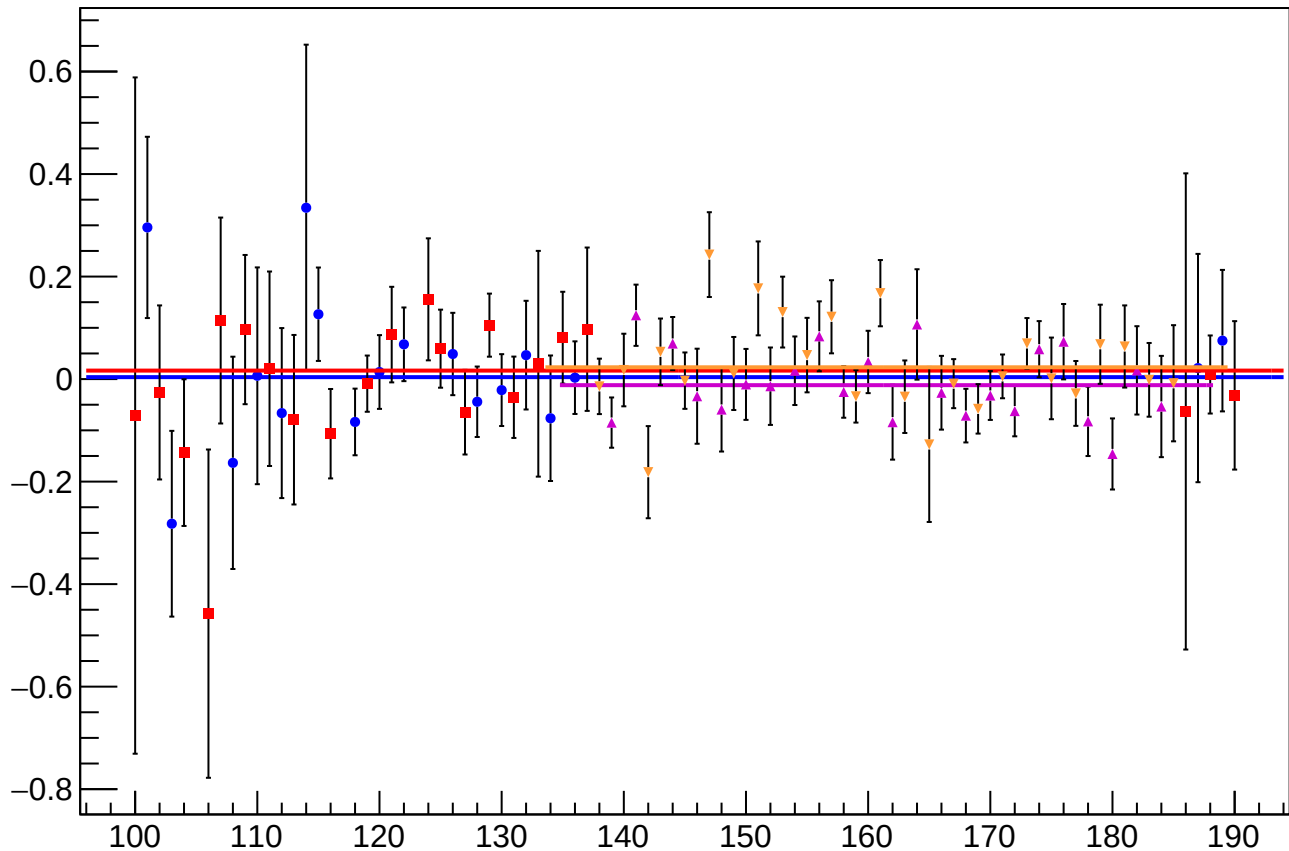
Left In: 0.000+/-0.000 χ^2/NDF : 2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 7064897.9/42

All: 0.000+/-0.000 χ^2/NDF : 15680188.8/87

- sign 0.000+/-0.000 χ^2/NDF : 8555304.0/44

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.023 χ^2/NDF : 13.4/17

Left Out: 0.023 ± 0.013 χ^2/NDF : 34.2/24

Right Out: 0.017 ± 0.022 χ^2/NDF : 13.3/21

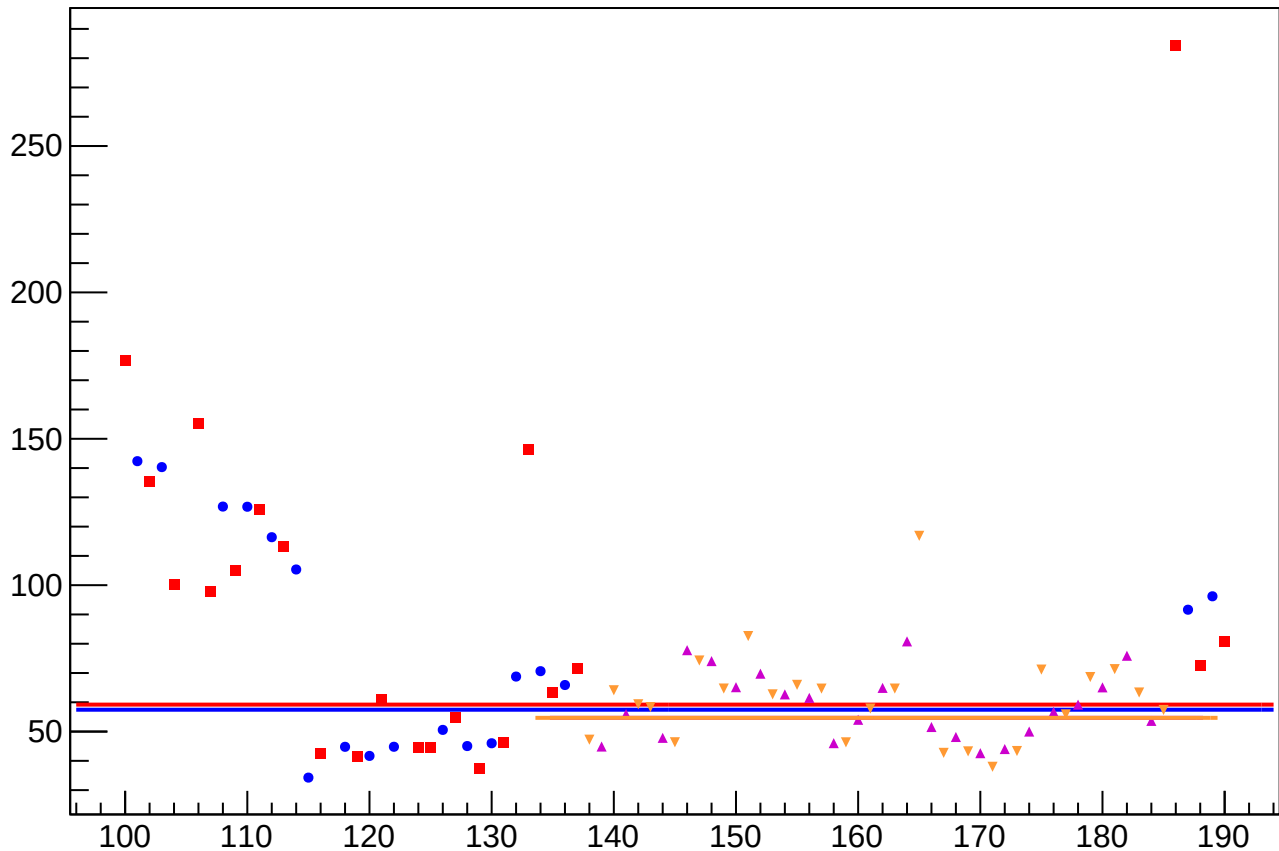
Left In: -0.012 ± 0.013 χ^2/NDF : 25.9/22

+ sign 0.018 ± 0.011 χ^2/NDF : 48.1/42

All: 0.007 ± 0.008 χ^2/NDF : 90.4/87

- sign -0.004 ± 0.011 χ^2/NDF : 40.3/44

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 57.461 $\pm$ 0.016 χ^2 /NDF: 2392621.4/17

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF:1936559.5/24

Right Out: 59.205 $\pm$ 0.016 χ^2 /NDF: 3151871.2/21

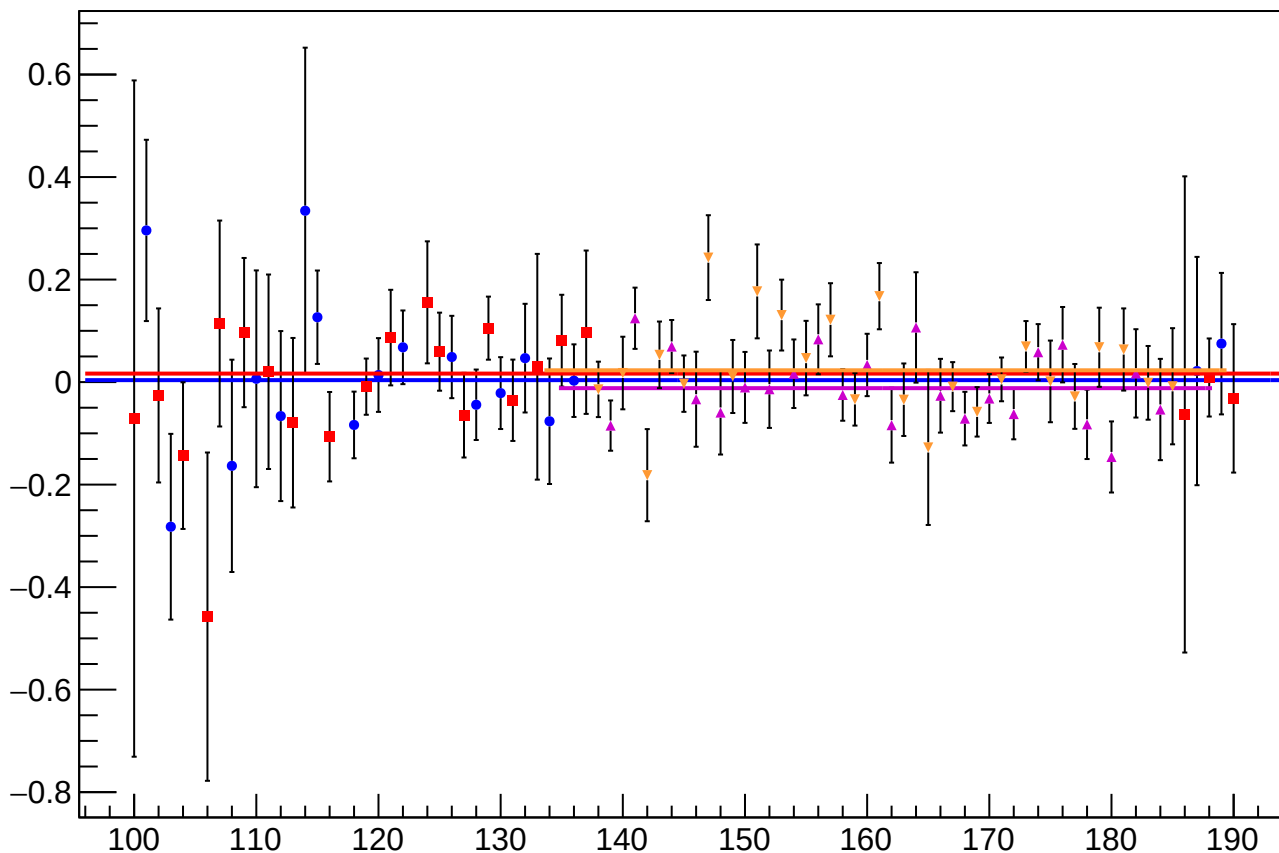
Left In: 54.688 $\pm$ 0.009 χ^2 /NDF:1190787.0/22

+ sign 55.354 $\pm$ 0.008 χ^2 /NDF: 4351363.2/42

All: 55.613 $\pm$ 0.006 χ^2 /NDF: 8757275.8/87

- sign 55.877 $\pm$ 0.008 χ^2 /NDF: 4403775.9/44

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.023 $\chi^2/\text{NDF}: 13.4/17$

Left Out: 0.023 ± 0.013 $\chi^2/\text{NDF}: 34.2/24$

Right Out: 0.017 ± 0.022 $\chi^2/\text{NDF}: 13.3/21$

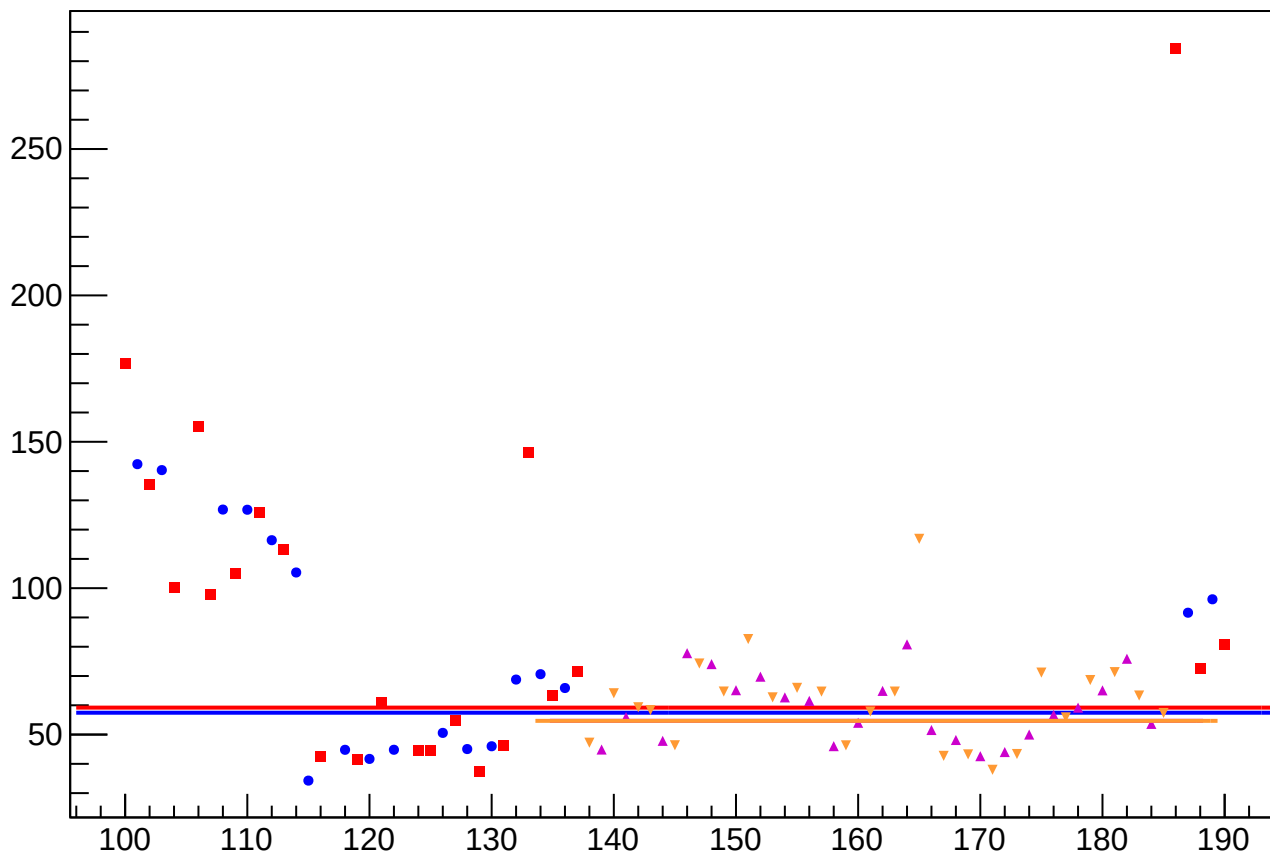
Left In: -0.012 ± 0.013 $\chi^2/\text{NDF}: 25.9/22$

+ sign 0.018 ± 0.011 $\chi^2/\text{NDF}: 48.1/42$

All: 0.007 ± 0.008 $\chi^2/\text{NDF}: 90.4/87$

- sign -0.004 ± 0.011 $\chi^2/\text{NDF}: 40.3/44$

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 57.461 $\pm$ 0.016 χ^2 /NDF: 2392621.4/17

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF:1936559.5/24

Right Out: 59.205 $\pm$ 0.016 χ^2 /NDF: 3151871.2/21

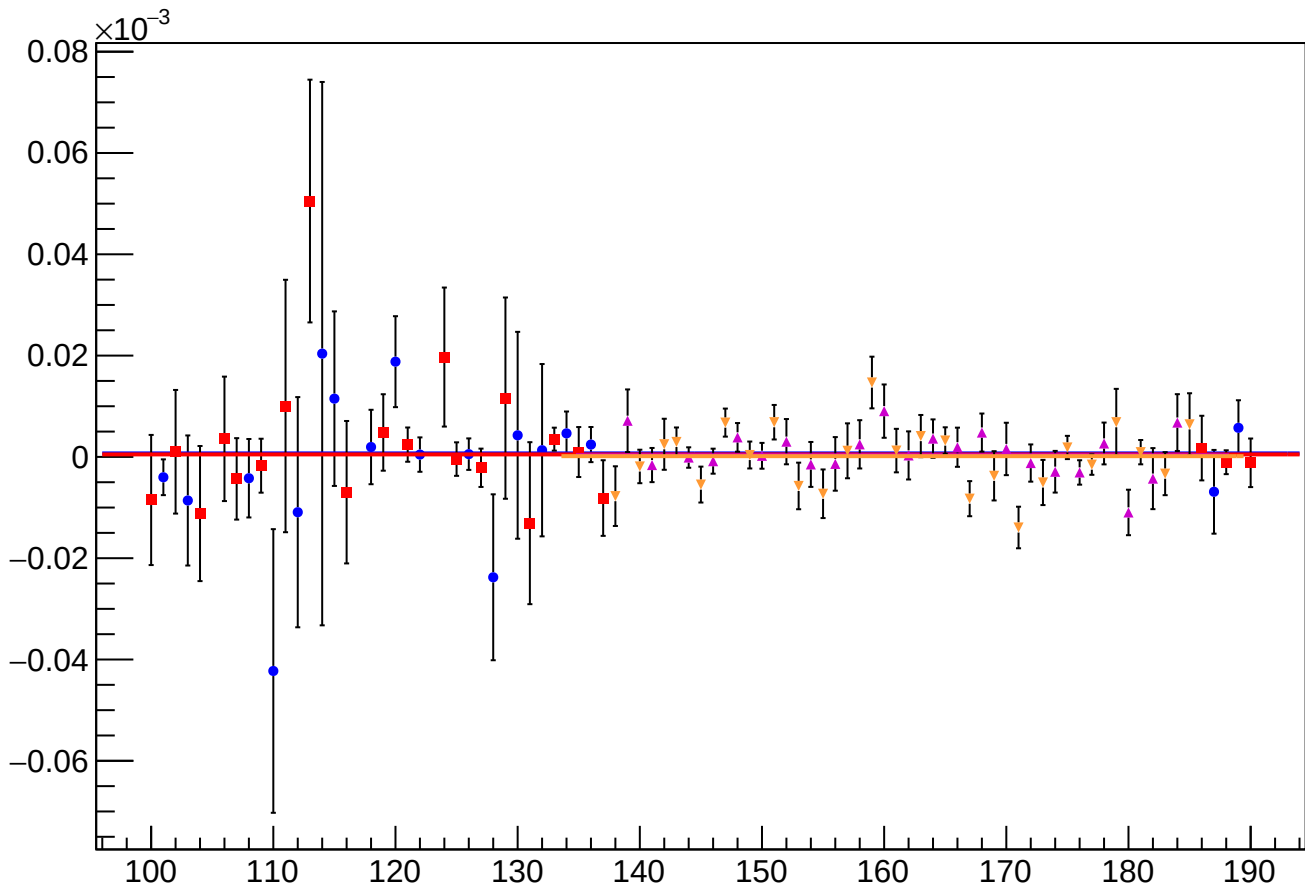
Left In: 54.688 $\pm$ 0.009 χ^2 /NDF:1190787.0/22

+ sign 55.354 $\pm$ 0.008 χ^2 /NDF: 4351363.2/42

All: 55.613 $\pm$ 0.006 χ^2 /NDF: 8757275.8/87

- sign 55.877 $\pm$ 0.008 χ^2 /NDF: 4403775.9/44

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:53.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/21

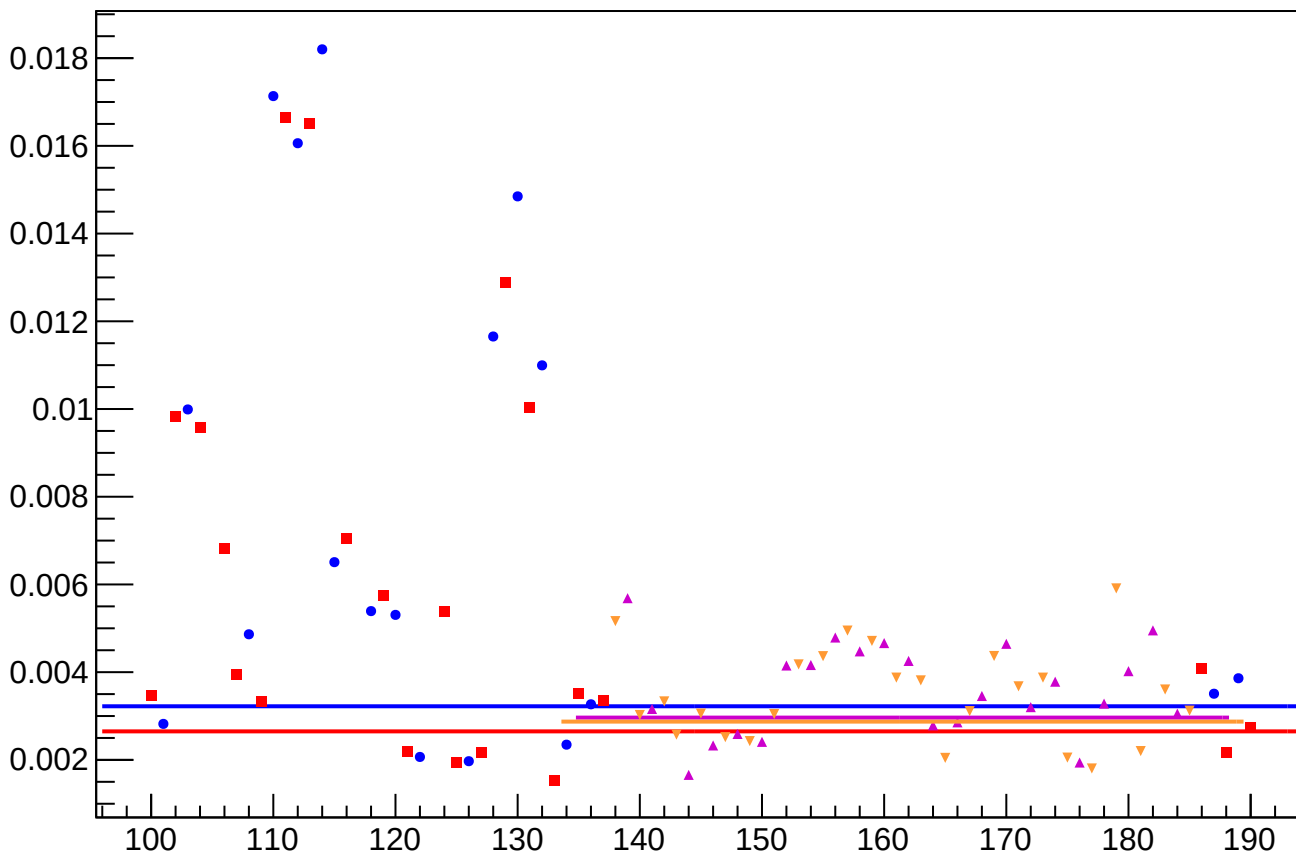
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:20.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 68.9/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 104.1/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.3/44

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4578324.5/17

Left Out: 0.003+/-0.000 χ^2/NDF : 3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5343401.8/21

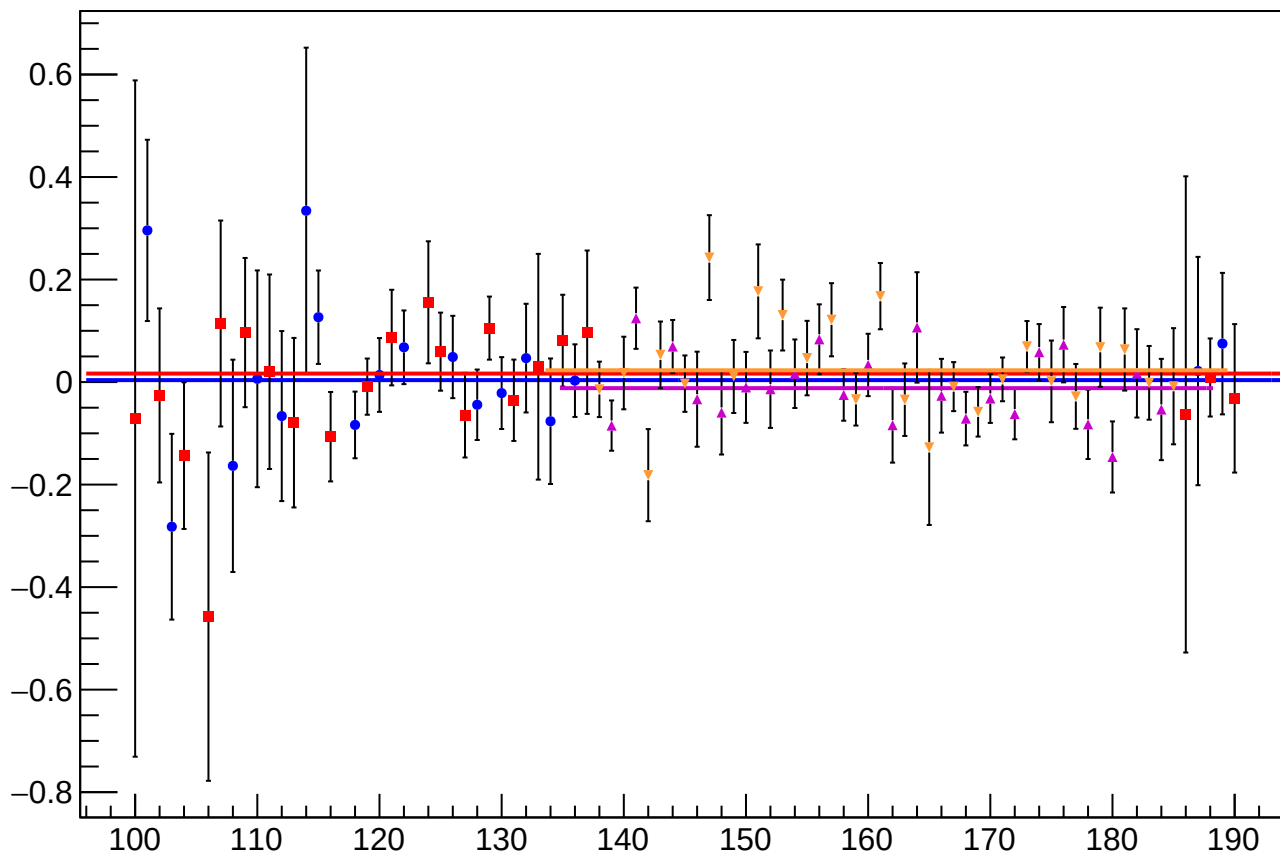
Left In: 0.003+/-0.000 χ^2/NDF : 3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF : 8283276.8/42

All: 0.003+/-0.000 χ^2/NDF : 17377871.6/87

- sign 0.003+/-0.000 χ^2/NDF : 9077009.4/44

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004 ± 0.023 $\chi^2/\text{NDF}: 13.4/17$

Left Out: 0.023 ± 0.013 $\chi^2/\text{NDF}: 34.2/24$

Right Out: 0.017 ± 0.022 $\chi^2/\text{NDF}: 13.3/21$

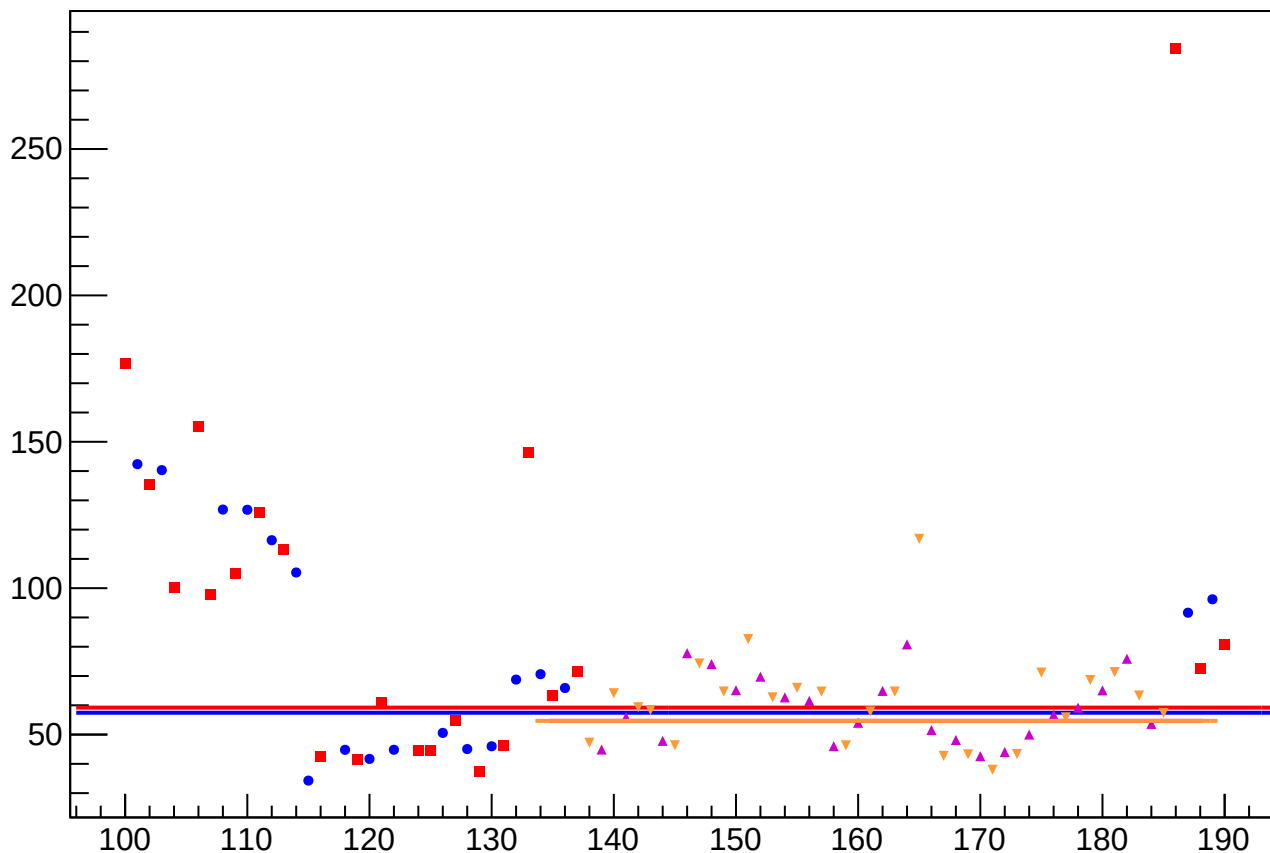
Left In: -0.012 ± 0.013 $\chi^2/\text{NDF}: 25.9/22$

+ sign 0.018 ± 0.011 $\chi^2/\text{NDF}: 48.1/42$

All: 0.007 ± 0.008 $\chi^2/\text{NDF}: 90.4/87$

- sign -0.004 ± 0.011 $\chi^2/\text{NDF}: 40.3/44$

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 57.461 $\pm$ 0.016 χ^2 /NDF: 2392572.9/17

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF:1936555.1/24

Right Out: 59.205 $\pm$ 0.016 χ^2 /NDF: 3151832.7/21

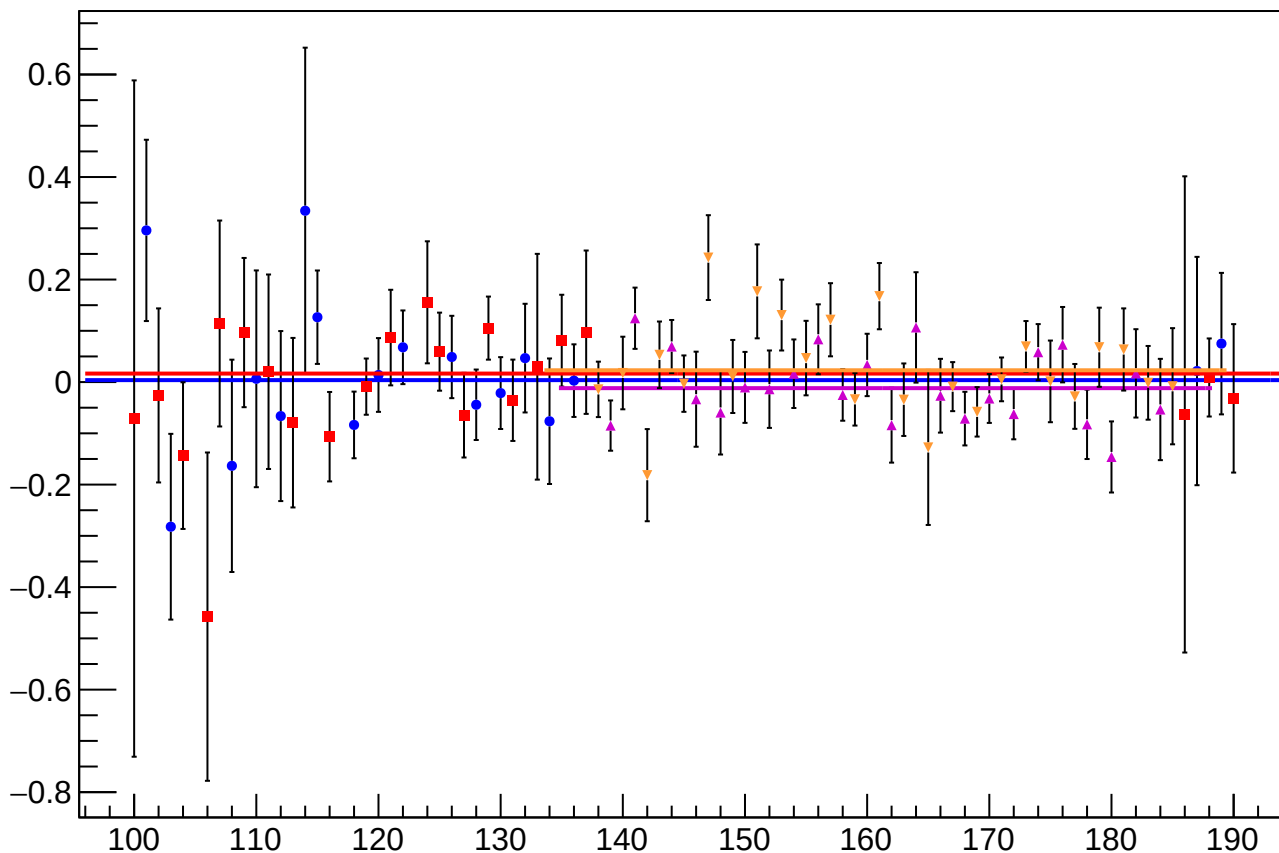
Left In: 54.689 $\pm$ 0.009 χ^2 /NDF:1190755.4/22

+ sign 55.354 $\pm$ 0.008 χ^2 /NDF: 4351298.2/42

All: 55.613 $\pm$ 0.006 χ^2 /NDF: 8757112.6/87

- sign 55.878 $\pm$ 0.008 χ^2 /NDF: 4403677.3/44

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004 ± 0.023 $\chi^2/\text{NDF}: 13.4/17$

Left Out: 0.023 ± 0.013 $\chi^2/\text{NDF}: 34.2/24$

Right Out: 0.017 ± 0.022 $\chi^2/\text{NDF}: 13.3/21$

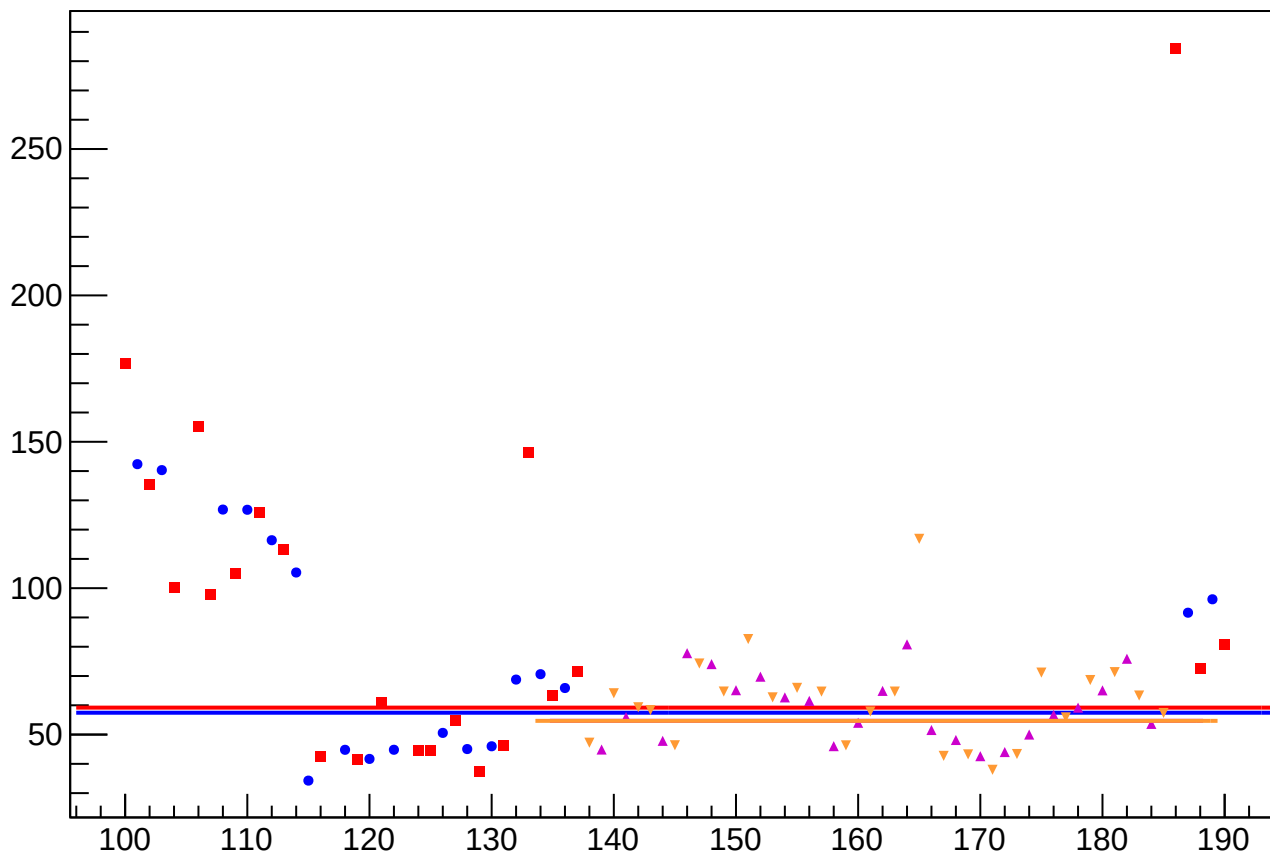
Left In: -0.012 ± 0.013 $\chi^2/\text{NDF}: 25.9/22$

+ sign 0.018 ± 0.011 $\chi^2/\text{NDF}: 48.1/42$

All: 0.007 ± 0.008 $\chi^2/\text{NDF}: 90.4/87$

- sign -0.004 ± 0.011 $\chi^2/\text{NDF}: 40.3/44$

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 57.461 $\pm$ 0.016 χ^2 /NDF: 2392572.9/17

Left Out: 54.686 $\pm$ 0.009 χ^2 /NDF:1936555.1/24

Right Out: 59.205 $\pm$ 0.016 χ^2 /NDF: 3151832.7/21

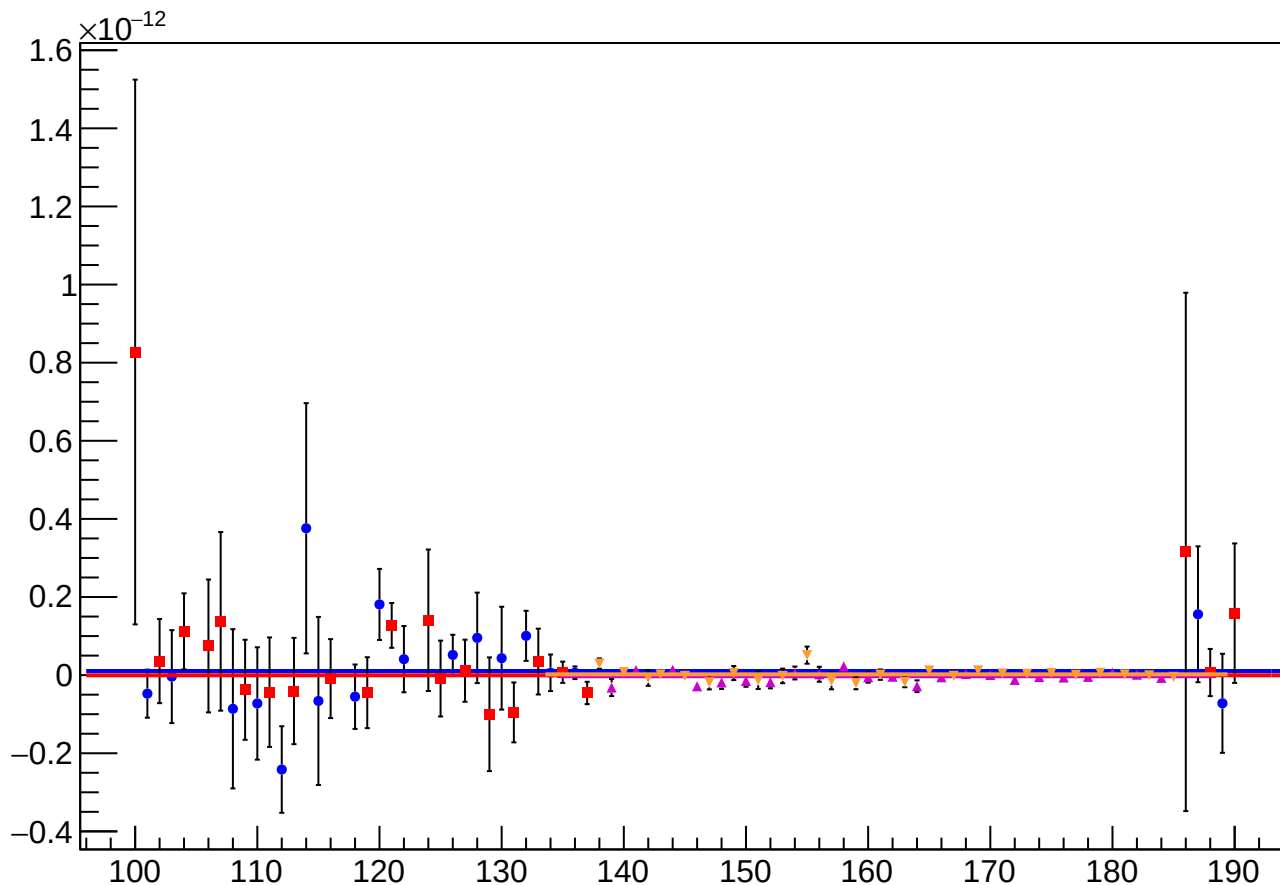
Left In: 54.689 $\pm$ 0.009 χ^2 /NDF:1190755.4/22

+ sign 55.354 $\pm$ 0.008 χ^2 /NDF: 4351298.2/42

All: 55.613 $\pm$ 0.006 χ^2 /NDF: 8757112.6/87

- sign 55.878 $\pm$ 0.008 χ^2 /NDF: 4403677.3/44

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 16.8/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 20.7/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 15.3/21

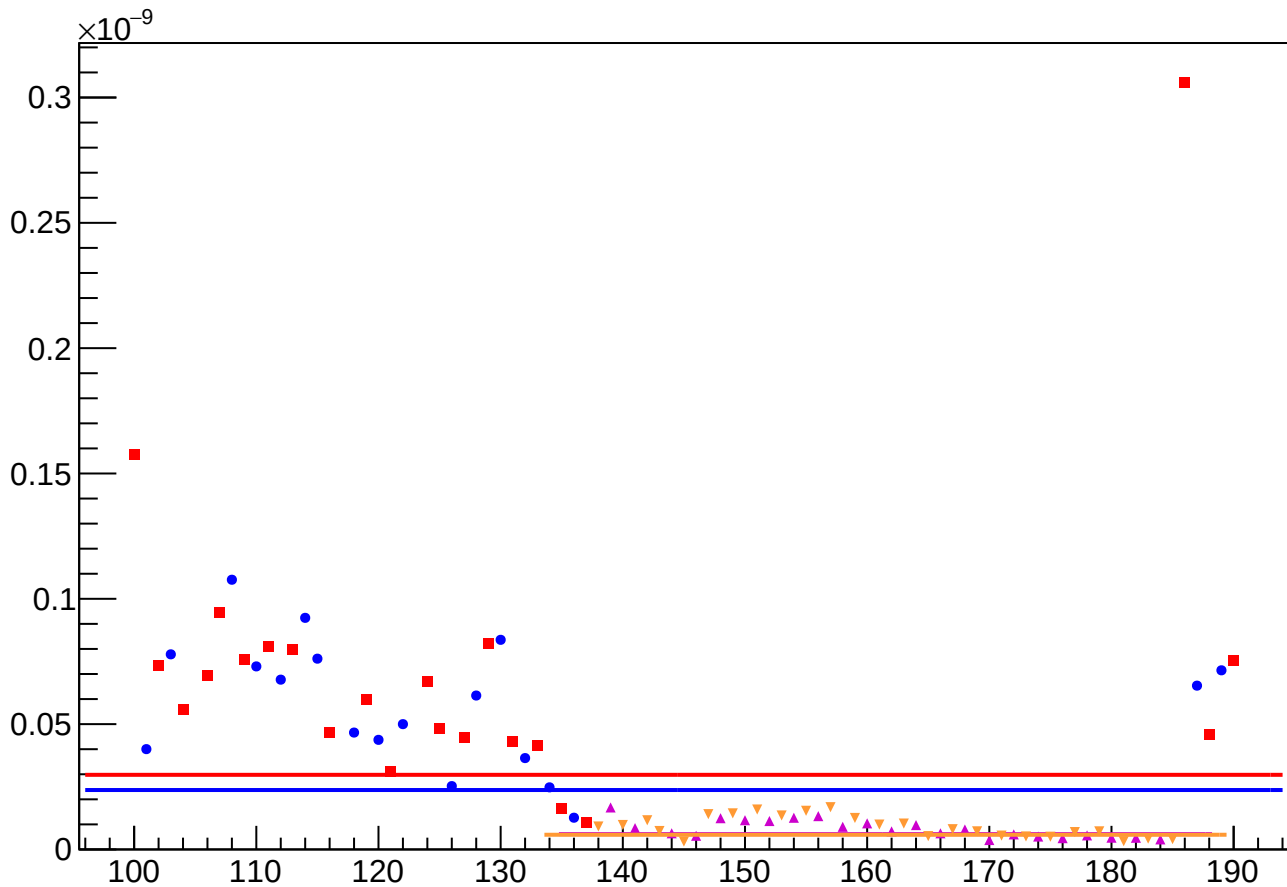
Left In: -0.000 ± 0.000 χ^2/NDF : 33.1/22

+ sign 0.000 ± 0.000 χ^2/NDF : 37.9/42

All: -0.000 ± 0.000 χ^2/NDF : 90.1/87

- sign -0.000 ± 0.000 χ^2/NDF : 48.4/44

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4136851.1/17

Left Out: 0.000+/-0.000 χ^2/NDF :5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4457444.1/21

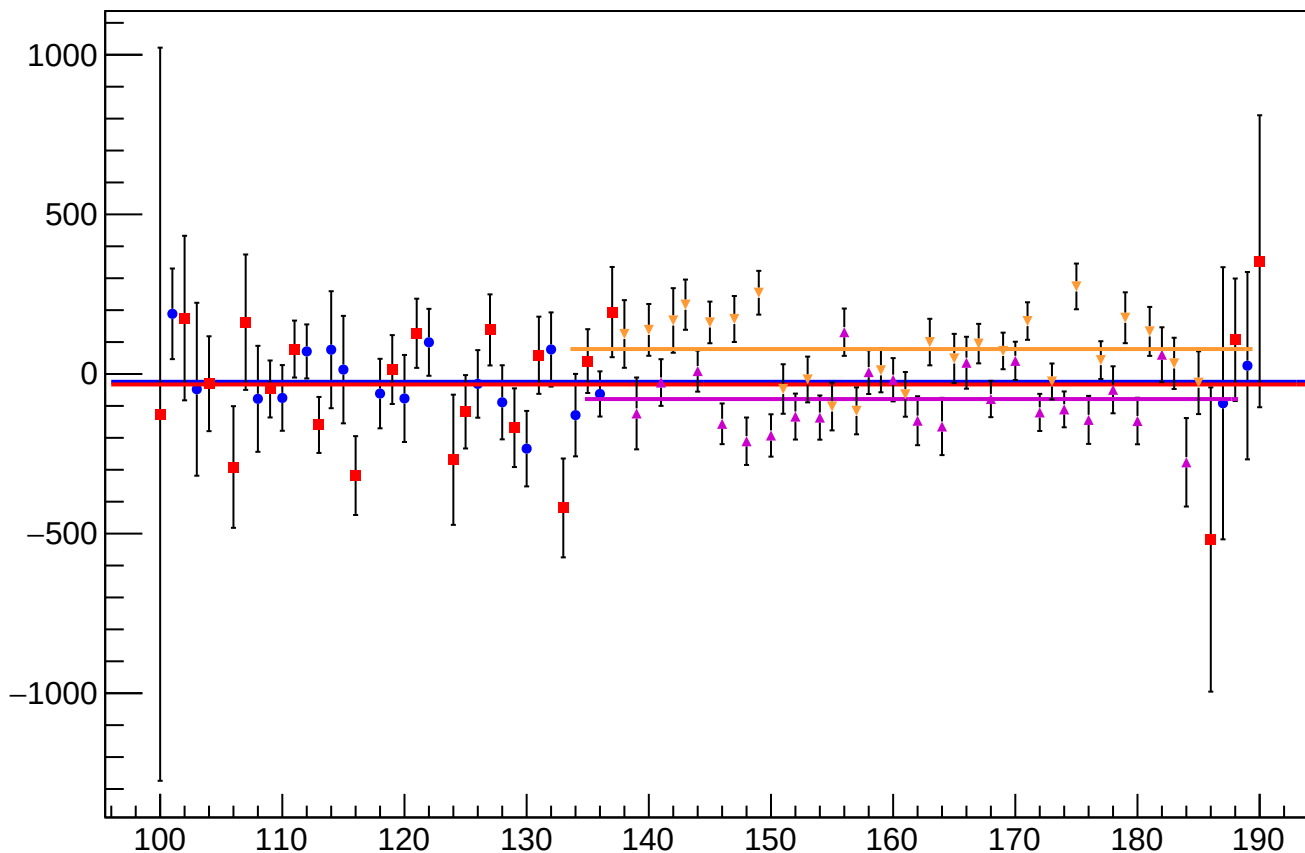
Left In: 0.000+/-0.000 χ^2/NDF :3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 13451596.2/42

All: 0.000+/-0.000 χ^2/NDF : 26158540.4/87

- sign 0.000+/-0.000 χ^2/NDF : 12684186.6/44

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.451 ± 28.708 $\chi^2/\text{NDF}: 11.1/17$

Left Out: 78.159 ± 14.326 $\chi^2/\text{NDF}: 53.9/24$

Right Out: -32.742 ± 28.045 $\chi^2/\text{NDF}: 32.4/21$

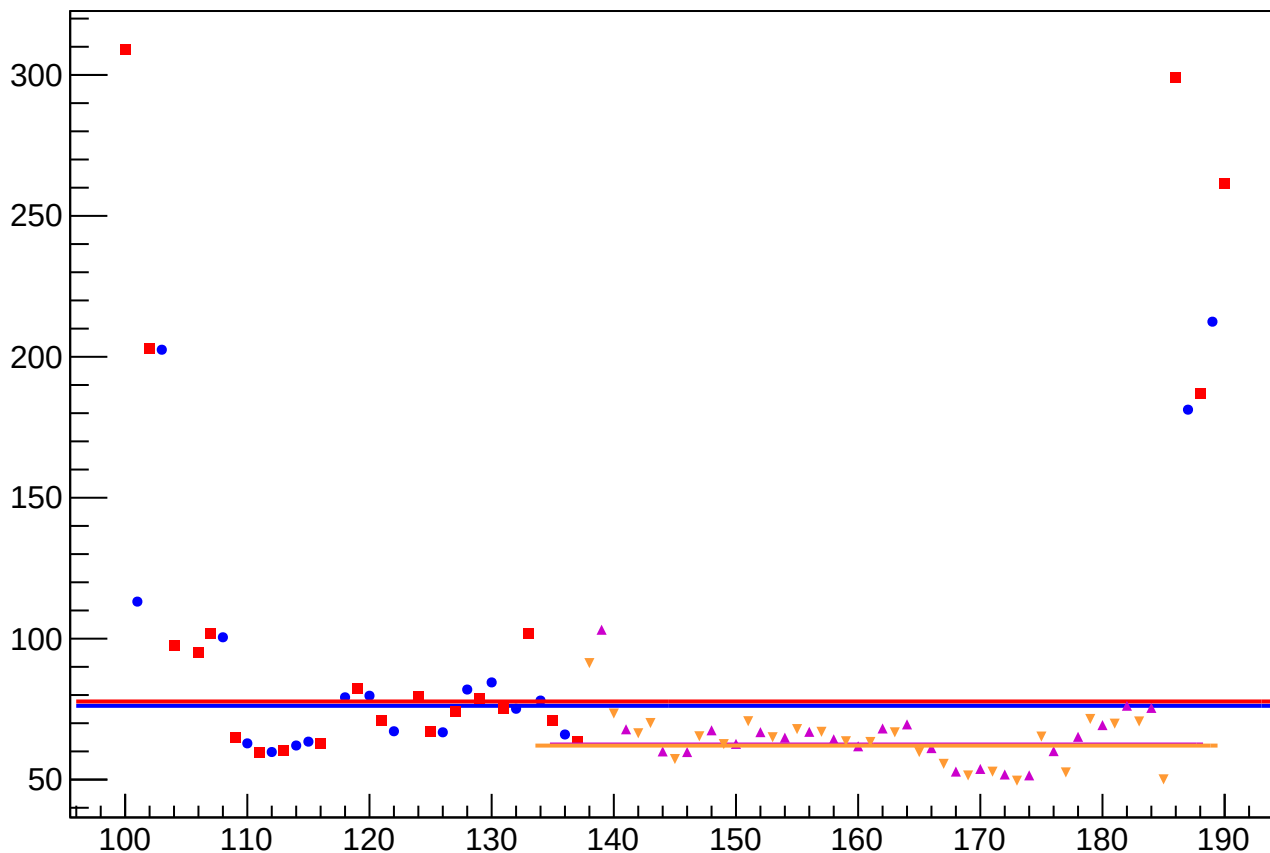
Left In: -78.506 ± 14.811 $\chi^2/\text{NDF}: 36.7/22$

+ sign 57.702 ± 12.818 $\chi^2/\text{NDF}: 75.2/42$

All: -4.054 ± 9.161 $\chi^2/\text{NDF}: 193.7/87$

- sign -68.525 ± 13.097 $\chi^2/\text{NDF}: 71.1/44$

reg_asym_sam_37_avg_rms vs Slug



Right In: 76.175 $\pm$ 0.020 χ^2 /NDF: 1388092.9/17

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF: 686530.2/24

Right Out: 77.717 $\pm$ 0.020 χ^2 /NDF: 2371967.7/21

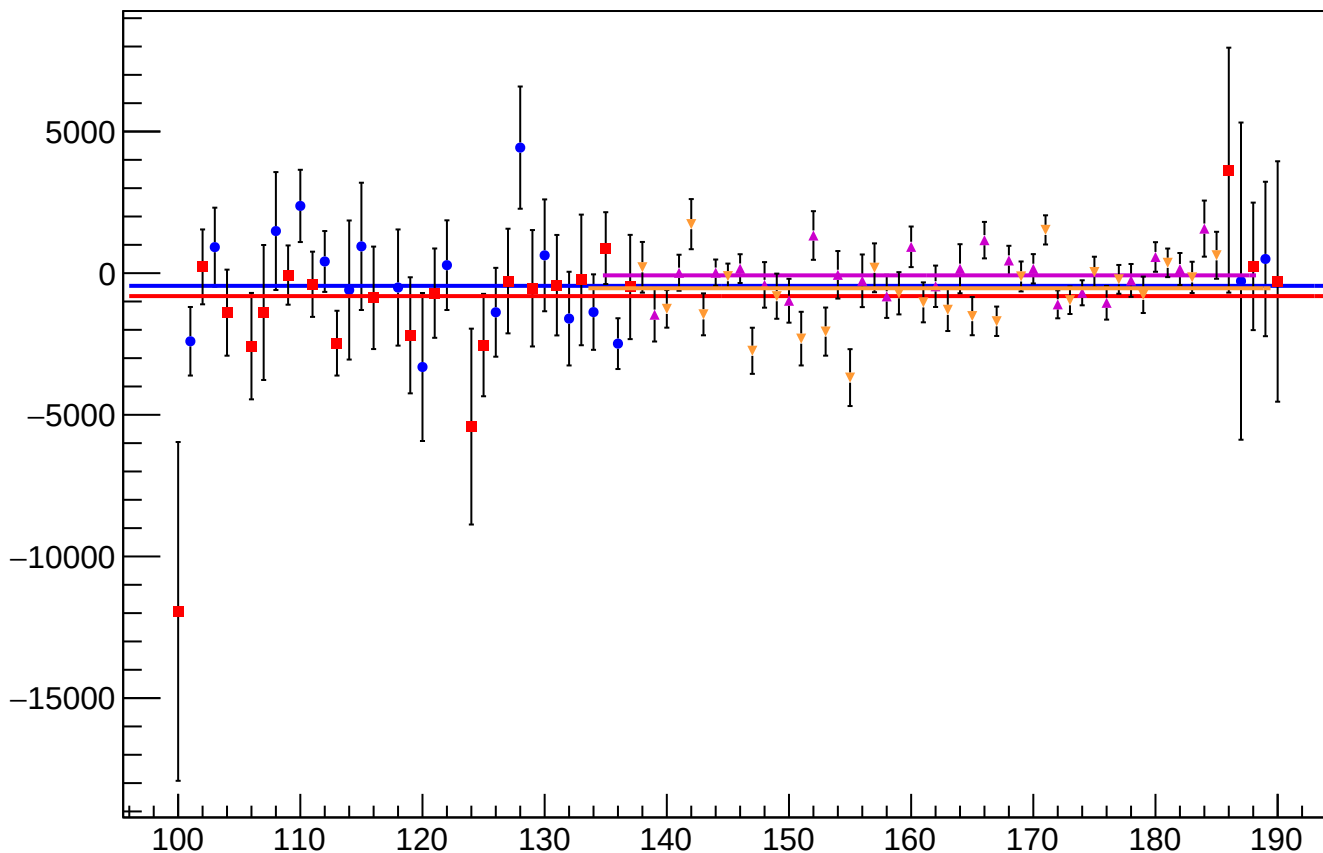
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF: 664644.9/22

+ sign 64.876 $\pm$ 0.009 χ^2 /NDF: 2461562.2/42

All: 65.316 $\pm$ 0.006 χ^2 /NDF: 5966730.9/87

- sign 65.776 $\pm$ 0.009 χ^2 /NDF: 3500347.8/44

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -447.820 $\pm$ 370.715 χ^2 /NDF: 23.8/17

Left Out: -532.779 $\pm$ 127.927 χ^2 /NDF:69.1/24

Right Out: -809.691 $\pm$ 364.576 χ^2 /NDF: 14.4/21

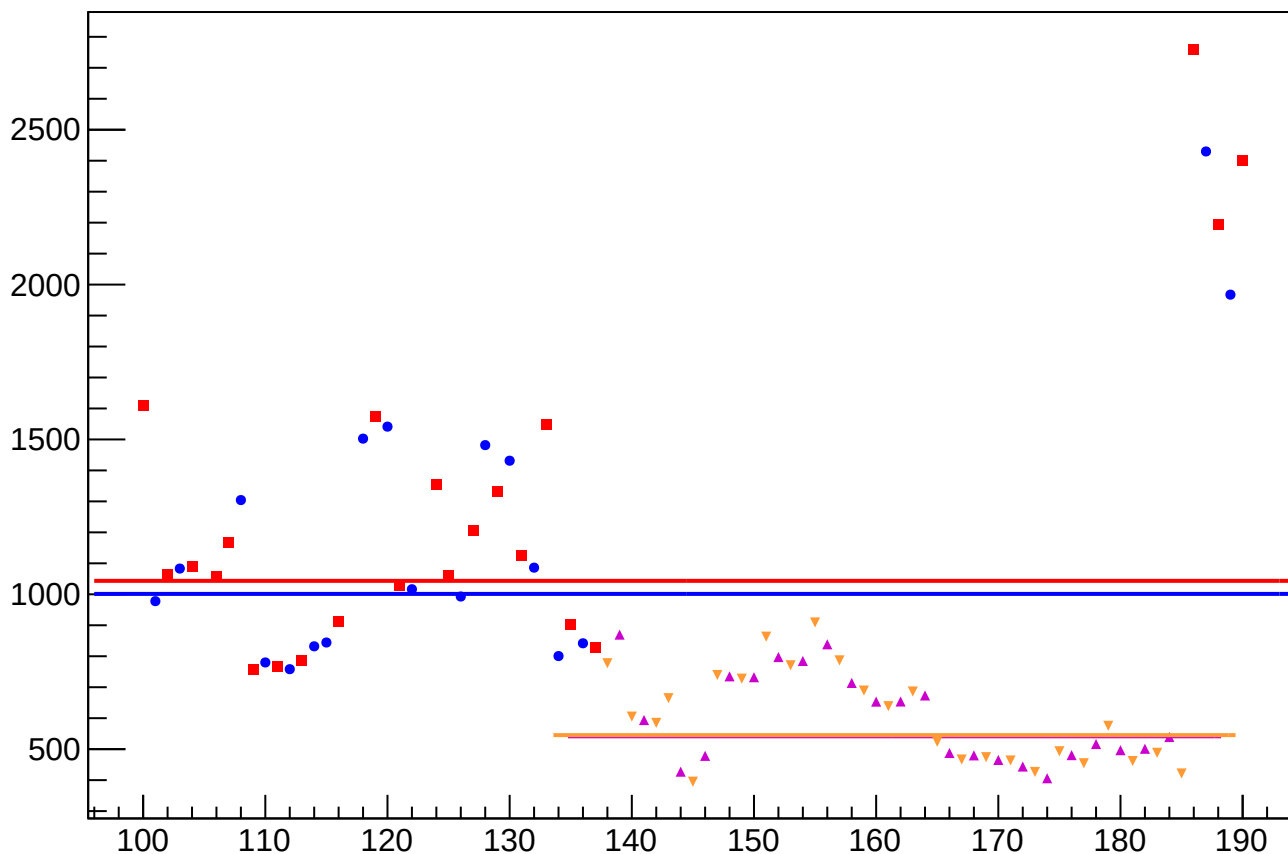
Left In: -77.393 $\pm$ 130.317 χ^2 /NDF:28.4/22

+ sign -523.738 $\pm$ 120.929 χ^2 /NDF: 93.0/42

All: -344.709 $\pm$ 86.134 χ^2 /NDF: 143.7/87

- sign -160.358 $\pm$ 122.713 χ^2 /NDF: 46.3/44

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1001.283 $\pm$ 0.262 χ^2 /NDF: 1126804.2/17

Left Out: 545.304 $\pm$ 0.090 χ^2 /NDF: 2083690.3/24

Right Out: 1043.438 $\pm$ 0.258 χ^2 /NDF: 1802119.1/21

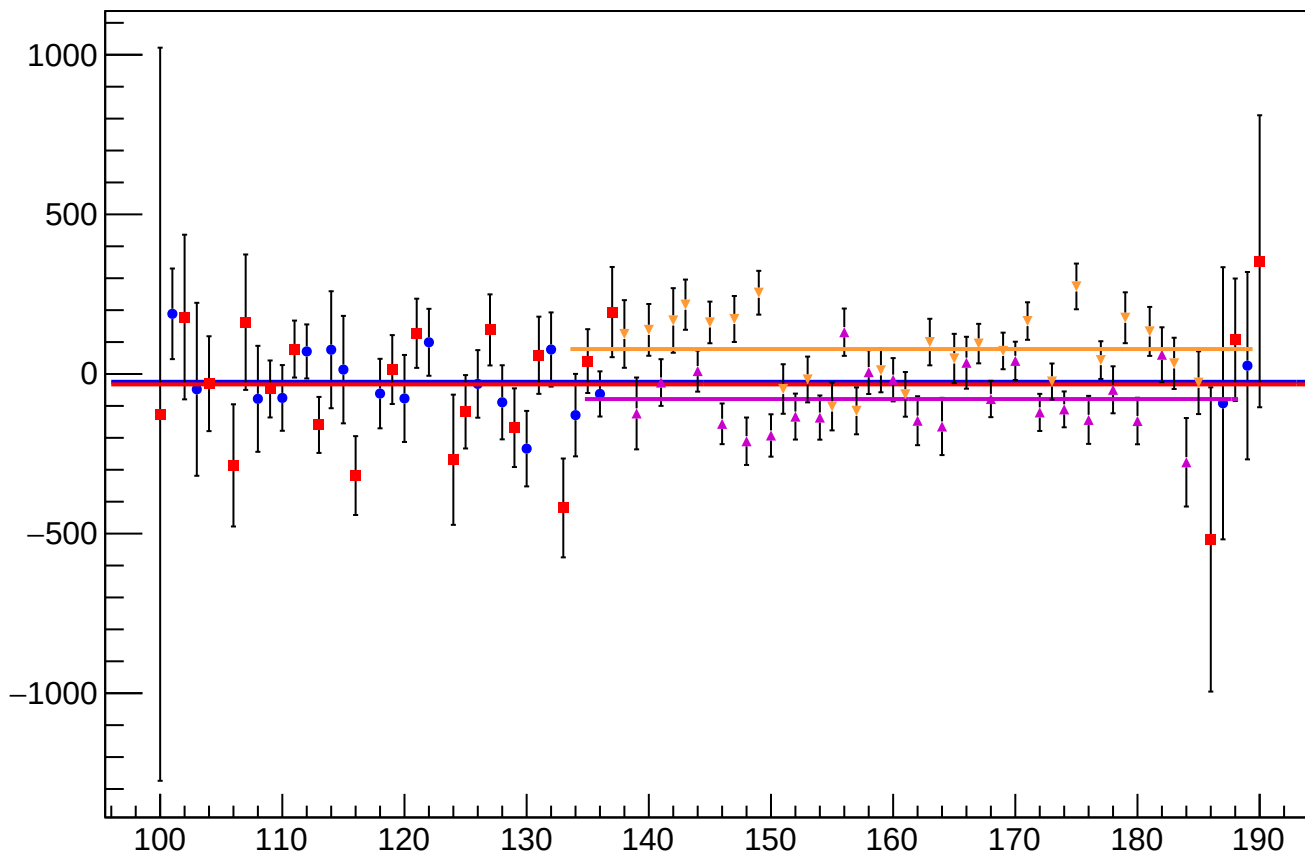
Left In: 541.458 $\pm$ 0.092 χ^2 /NDF: 1840342.7/22

+ sign 593.825 $\pm$ 0.086 χ^2 /NDF: 5914319.2/42

All: 596.044 $\pm$ 0.061 χ^2 /NDF: 12920207.0/87

- sign 598.329 $\pm$ 0.087 χ^2 /NDF: 7004520.7/44

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.459 ± 28.708 $\chi^2/\text{NDF}: 11.1/17$

Left Out: 78.162 ± 14.326 $\chi^2/\text{NDF}: 53.9/24$

Right Out: -32.547 ± 28.048 $\chi^2/\text{NDF}: 32.3/21$

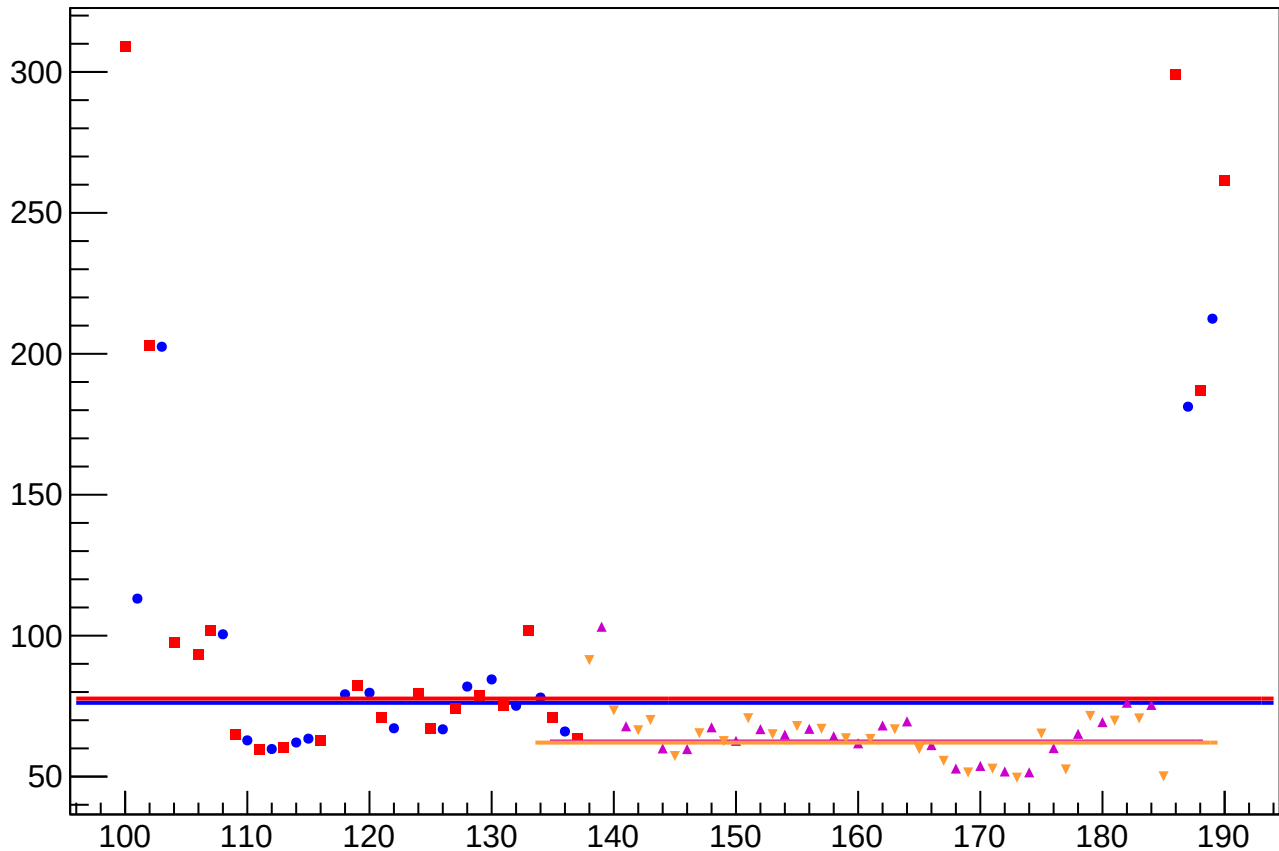
Left In: -78.506 ± 14.811 $\chi^2/\text{NDF}: 36.7/22$

+ sign 57.703 ± 12.818 $\chi^2/\text{NDF}: 75.2/42$

All: -4.032 ± 9.161 $\chi^2/\text{NDF}: 193.7/87$

- sign -68.484 ± 13.097 $\chi^2/\text{NDF}: 71.1/44$

cor_asym_sam_37_avg_rms vs Slug



Right In: 76.175 $\pm$ 0.020 χ^2 /NDF: 1388095.0/17

Left Out: 62.063 $\pm$ 0.010 χ^2 /NDF: 686530.2/24

Right Out: 77.677 $\pm$ 0.020 χ^2 /NDF: 2368982.1/21

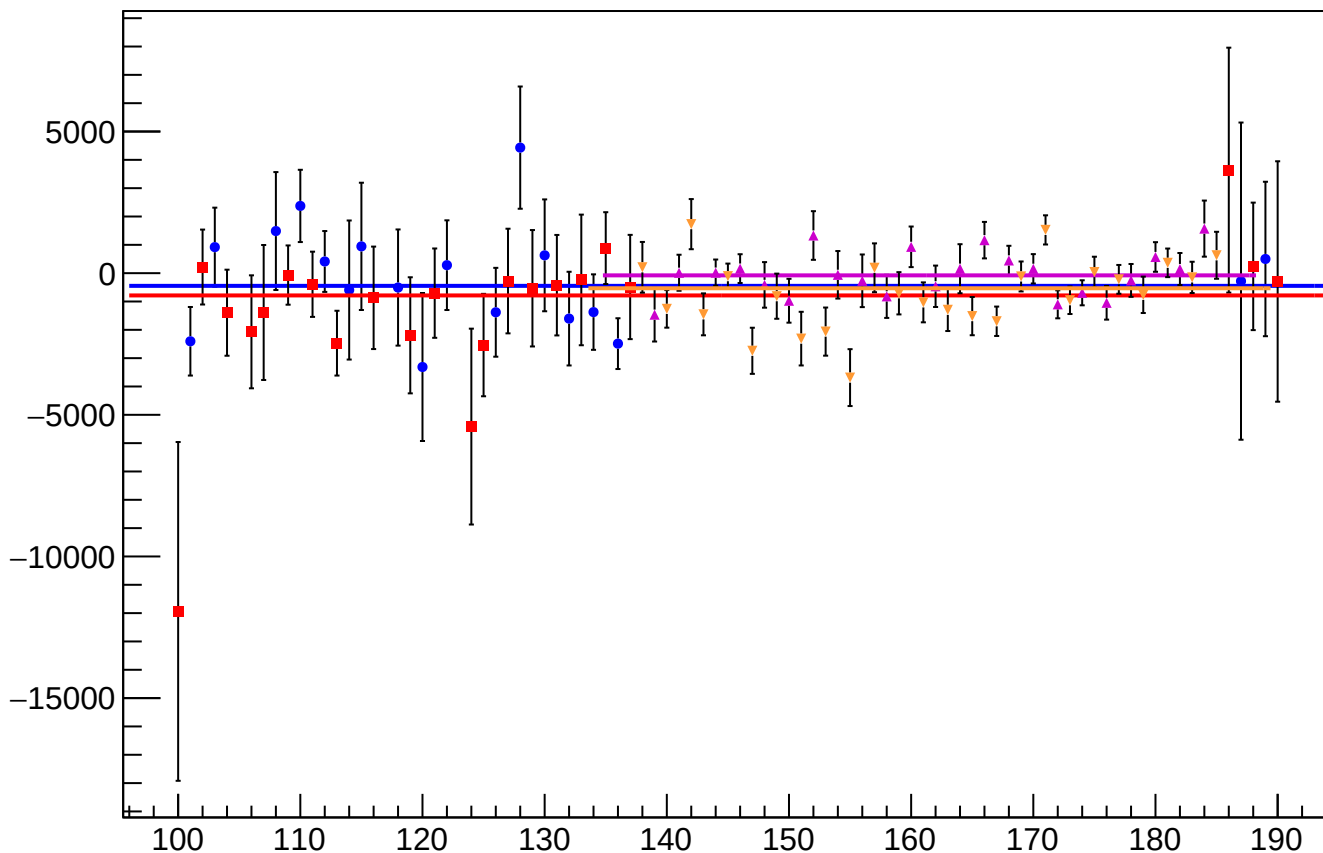
Left In: 62.445 $\pm$ 0.010 χ^2 /NDF: 664644.9/22

+ sign 64.876 $\pm$ 0.009 χ^2 /NDF: 2461564.0/42

All: 65.312 $\pm$ 0.006 χ^2 /NDF: 5961158.1/87

- sign 65.767 $\pm$ 0.009 χ^2 /NDF: 3494871.5/44

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -447.806 $\pm$ 370.718 χ^2 /NDF: 23.8/17

Left Out: -532.776 $\pm$ 127.927 χ^2 /NDF:69.1/24

Right Out: -785.814 $\pm$ 365.378 χ^2 /NDF: 13.9/21

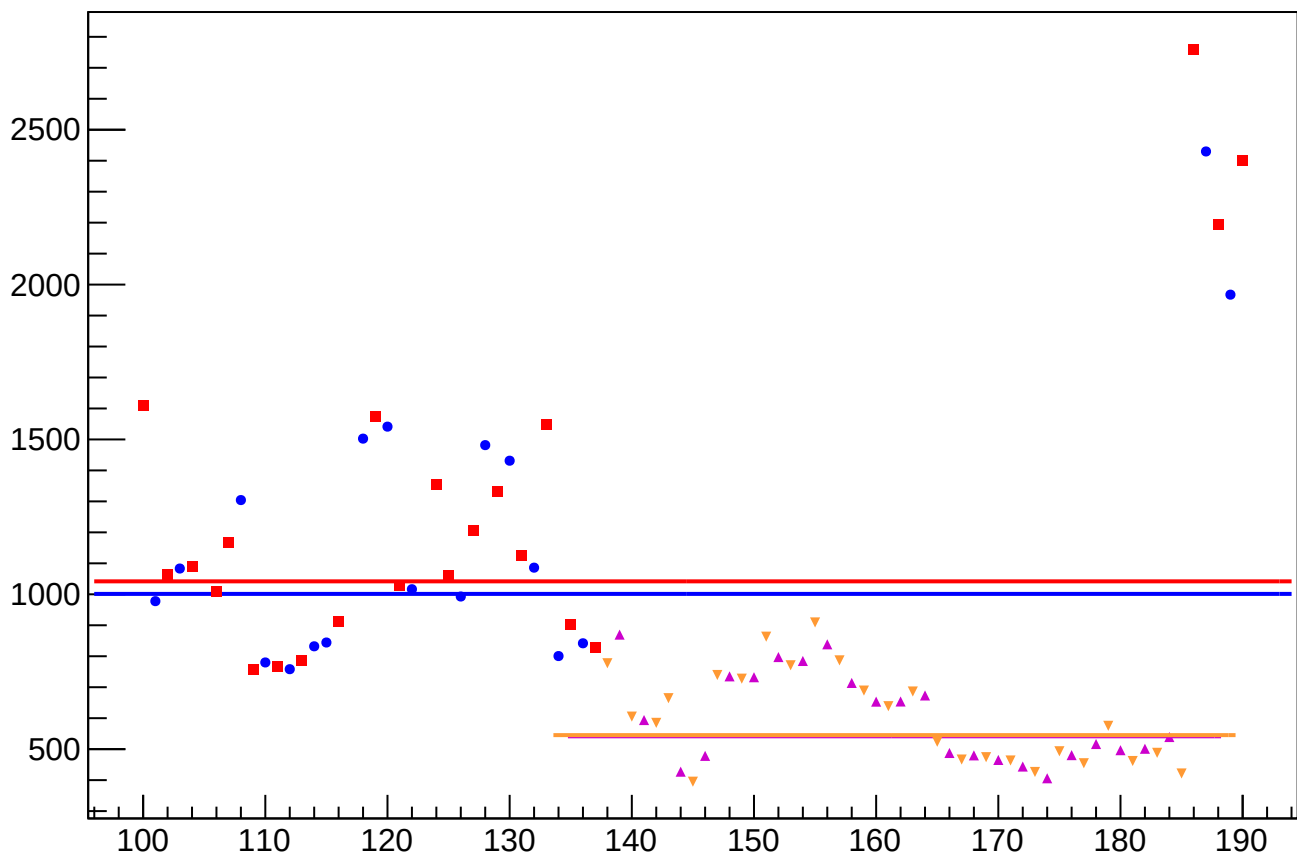
Left In: -77.392 $\pm$ 130.317 χ^2 /NDF:28.4/22

+ sign -523.735 $\pm$ 120.929 χ^2 /NDF: 93.0/42

All: -343.266 $\pm$ 86.144 χ^2 /NDF: 143.1/87

- sign -157.340 $\pm$ 122.744 χ^2 /NDF: 45.6/44

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1001.290 ± 0.262 $\chi^2/\text{NDF}: 1126823.7/17$

Left Out: 545.304 ± 0.090 $\chi^2/\text{NDF}: 2083686.2/24$

Right Out: 1041.818 ± 0.258 $\chi^2/\text{NDF}: 1802597.0/21$

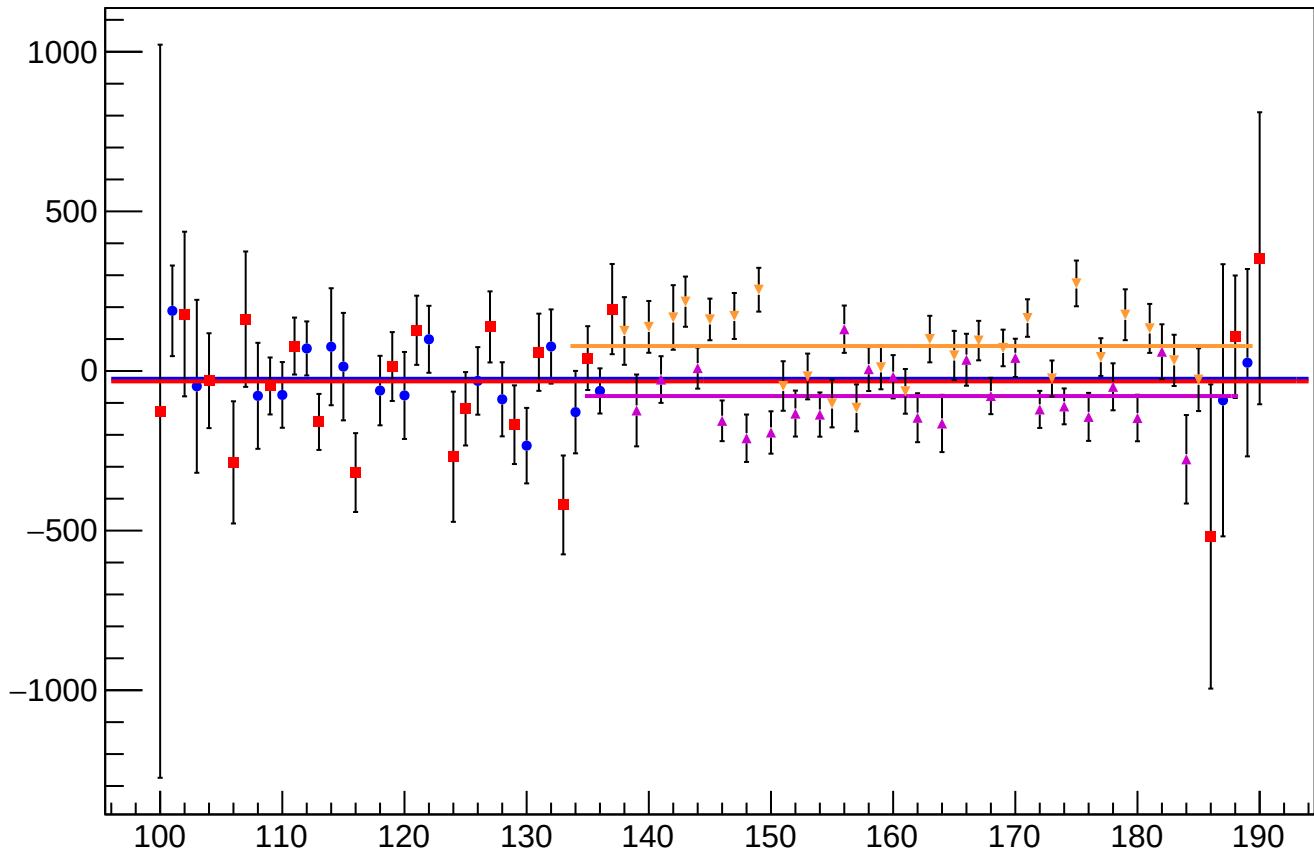
Left In: 541.458 ± 0.092 $\chi^2/\text{NDF}: 1840342.7/22$

+ sign 593.825 ± 0.086 $\chi^2/\text{NDF}: 5914374.4/42$

All: 595.844 ± 0.061 $\chi^2/\text{NDF}: 12885853.9/87$

- sign 597.925 ± 0.087 $\chi^2/\text{NDF}: 6970346.9/44$

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.459 ± 28.708 $\chi^2/\text{NDF}: 11.1/17$

Left Out: 78.162 ± 14.326 $\chi^2/\text{NDF}: 53.9/24$

Right Out: -32.547 ± 28.048 $\chi^2/\text{NDF}: 32.3/21$

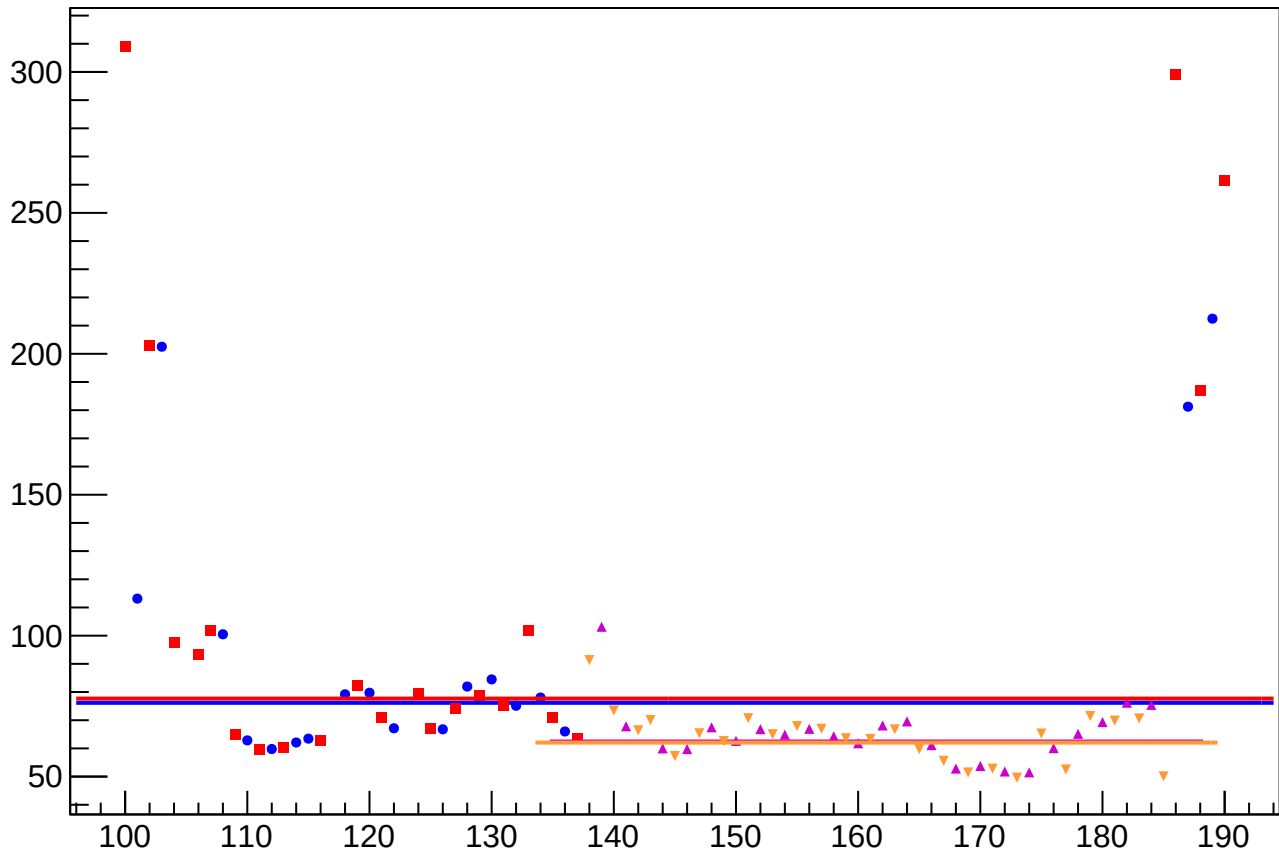
Left In: -78.506 ± 14.811 $\chi^2/\text{NDF}: 36.7/22$

+ sign 57.703 ± 12.818 $\chi^2/\text{NDF}: 75.2/42$

All: -4.032 ± 9.161 $\chi^2/\text{NDF}: 193.7/87$

- sign -68.484 ± 13.097 $\chi^2/\text{NDF}: 71.1/44$

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 76.175 ± 0.020 $\chi^2/\text{NDF}: 1388095.0/17$

Left Out: 62.063 ± 0.010 $\chi^2/\text{NDF}: 686530.2/24$

Right Out: 77.677 ± 0.020 $\chi^2/\text{NDF}: 2368982.1/21$

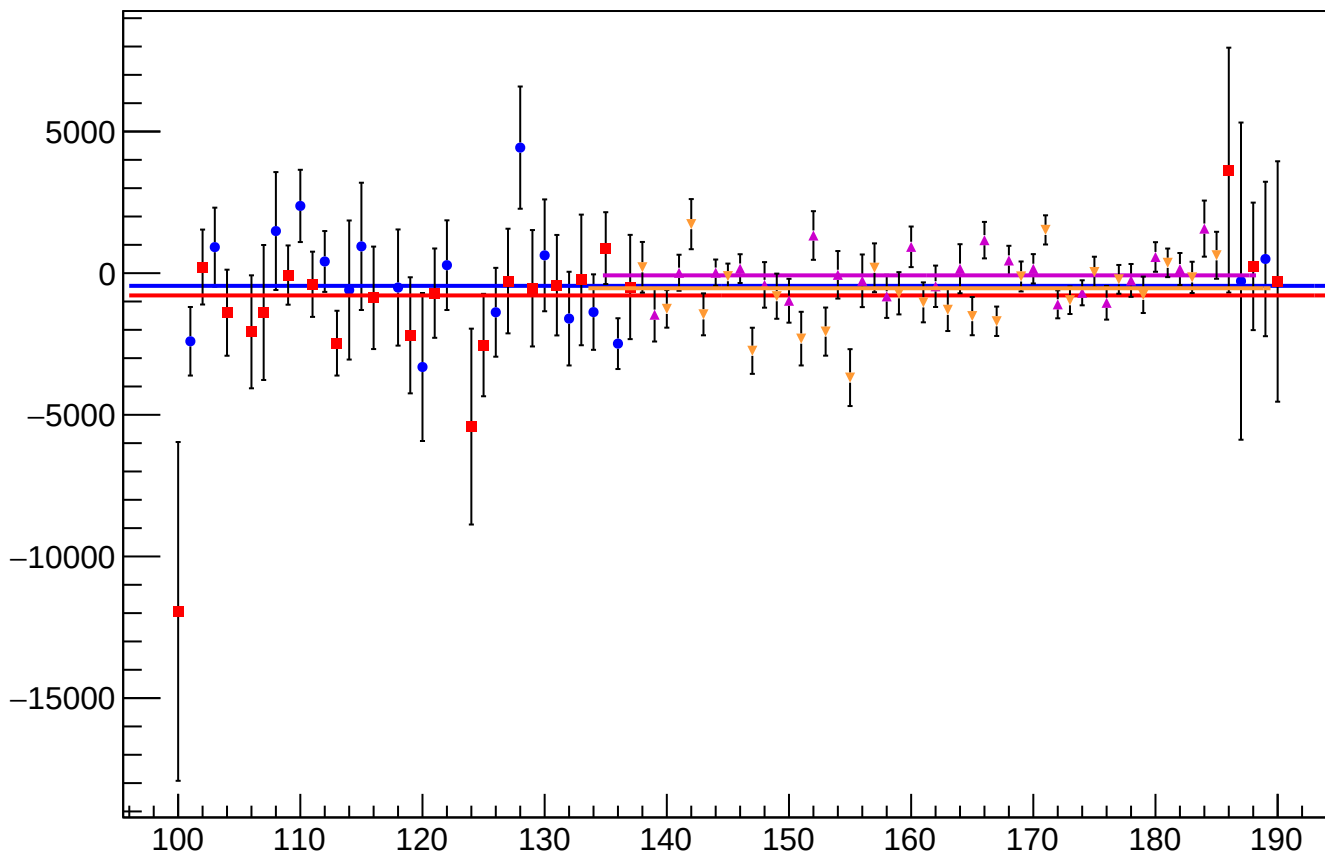
Left In: 62.445 ± 0.010 $\chi^2/\text{NDF}: 664644.9/22$

+ sign 64.876 ± 0.009 $\chi^2/\text{NDF}: 2461564.0/42$

All: 65.312 ± 0.006 $\chi^2/\text{NDF}: 5961158.1/87$

- sign 65.767 ± 0.009 $\chi^2/\text{NDF}: 3494871.5/44$

asym_sam_37_avg_eigen_cor_correction_mean vs Slug



Right In: -447.806 ± 370.718 χ^2/NDF : 23.8/17

Left Out: -532.776 ± 127.927 χ^2/NDF : 69.1/24

Right Out: -785.814 ± 365.378 χ^2/NDF : 13.9/21

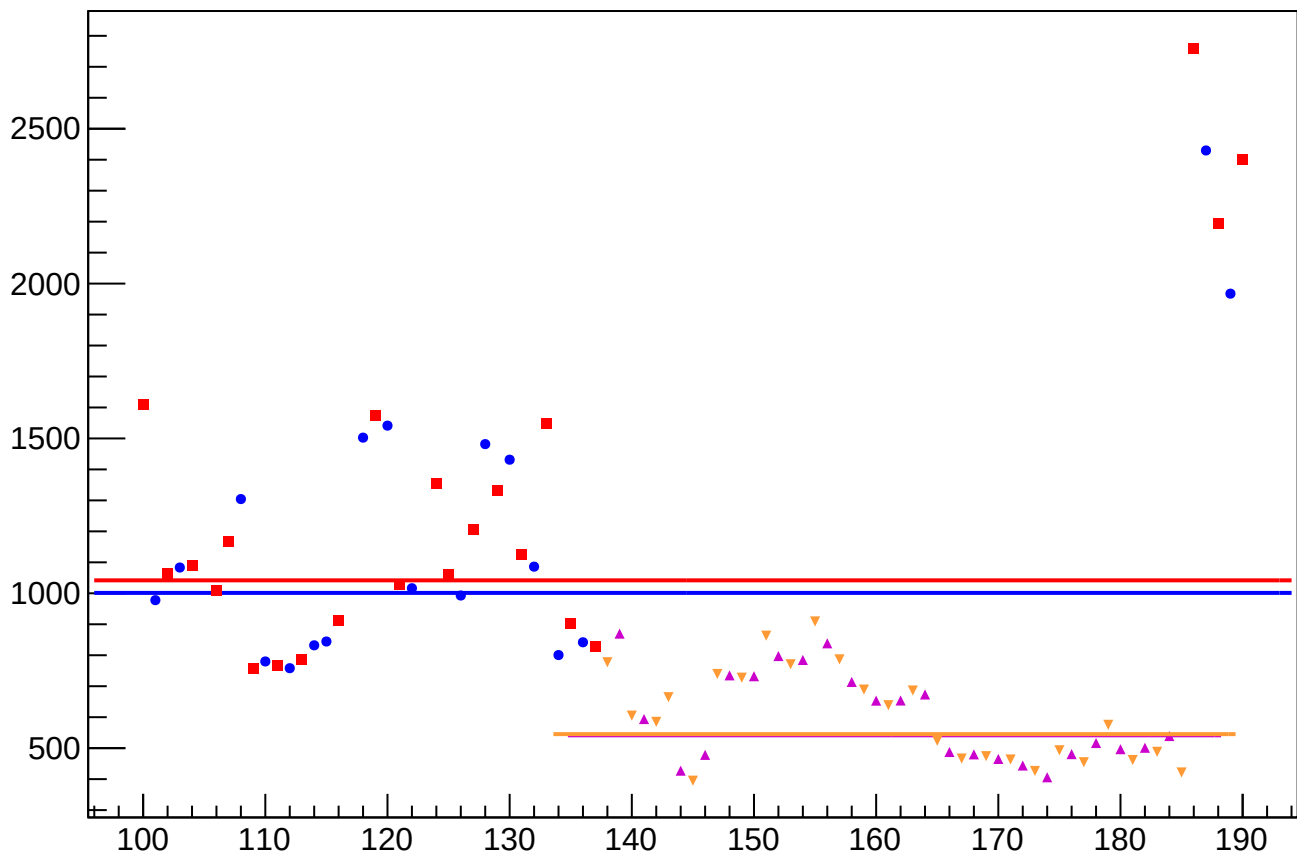
Left In: -77.392 ± 130.317 χ^2/NDF : 28.4/22

+ sign -523.735 ± 120.929 χ^2/NDF : 93.0/42

All: -343.266 ± 86.144 χ^2/NDF : 143.1/87

- sign -157.340 ± 122.744 χ^2/NDF : 45.6/44

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 1001.290 ± 0.262 $\chi^2/\text{NDF}: 1126823.7/17$

Left Out: 545.304 ± 0.090 $\chi^2/\text{NDF}: 2083686.2/24$

Right Out: 1041.818 ± 0.258 $\chi^2/\text{NDF}: 1802597.0/21$

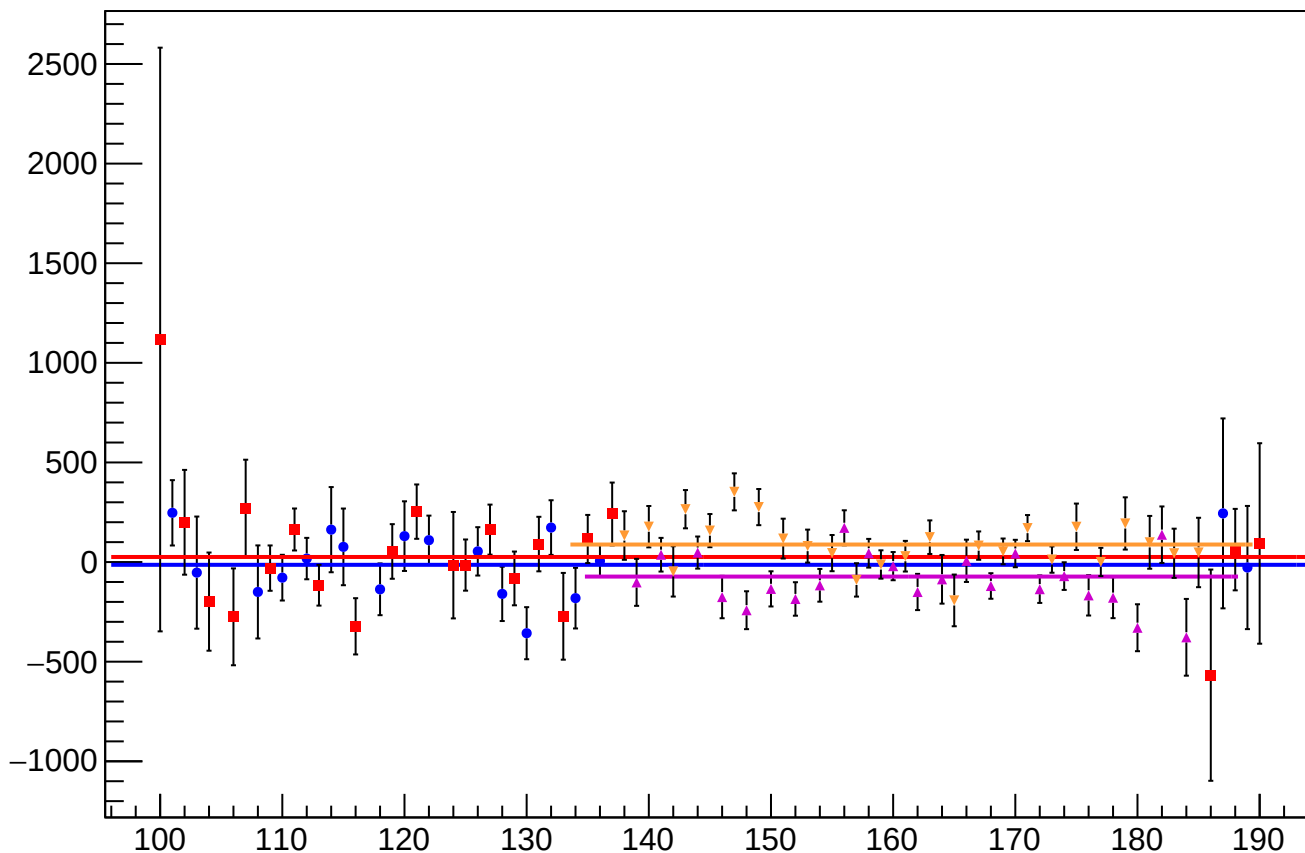
Left In: 541.458 ± 0.092 $\chi^2/\text{NDF}: 1840342.7/22$

+ sign 593.825 ± 0.086 $\chi^2/\text{NDF}: 5914374.4/42$

All: 595.844 ± 0.061 $\chi^2/\text{NDF}: 12885853.9/87$

- sign 597.925 ± 0.087 $\chi^2/\text{NDF}: 6970346.9/44$

dit_asym_sam_37_avg_mean vs Slug



Right In: -13.820+/-33.478 χ^2/NDF : 18.6/17

Left Out: 88.040+/-17.745 χ^2/NDF : 36.9/24

Right Out: 25.541+/-33.468 χ^2/NDF : 24.9/21

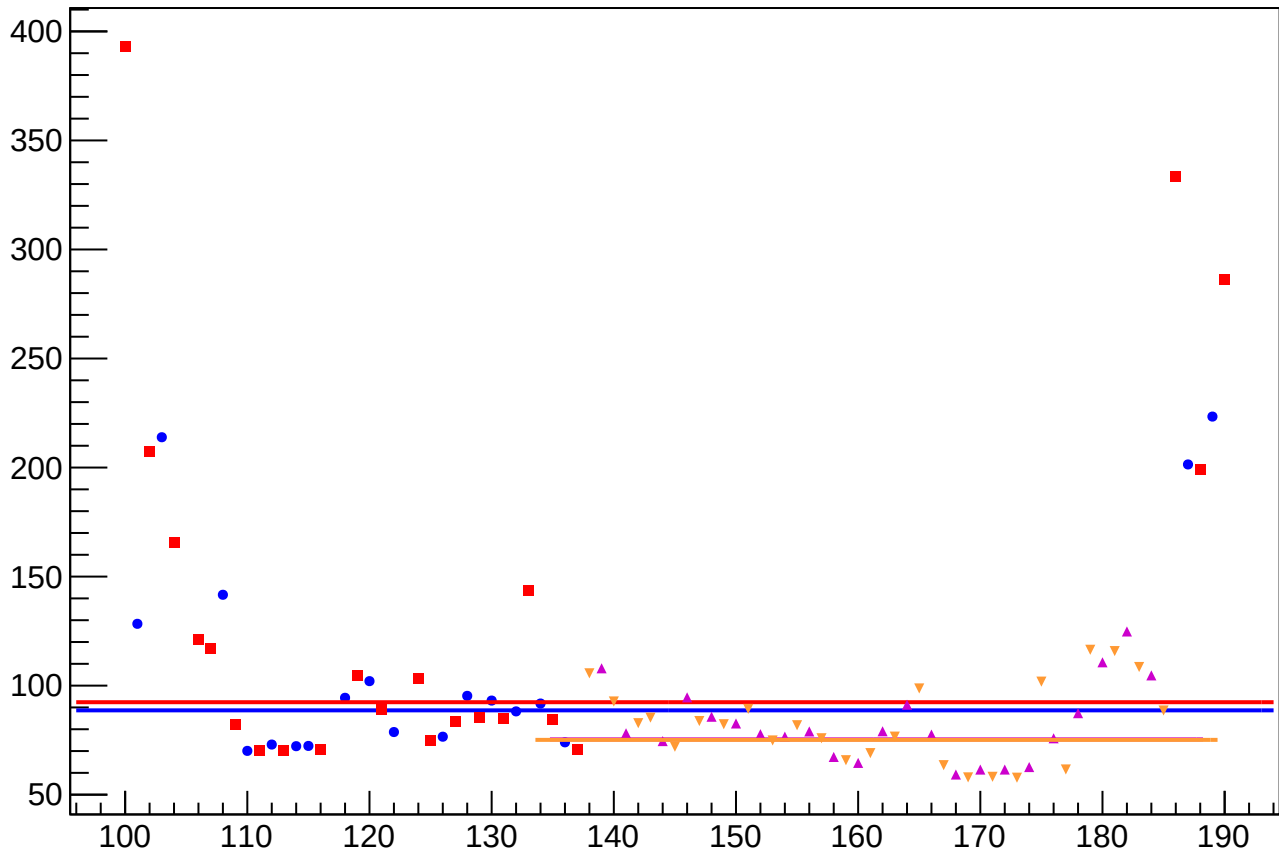
Left In: -72.849+/-18.276 χ^2/NDF : 38.4/22

+ sign 65.700+/-15.678 χ^2/NDF : 62.7/42

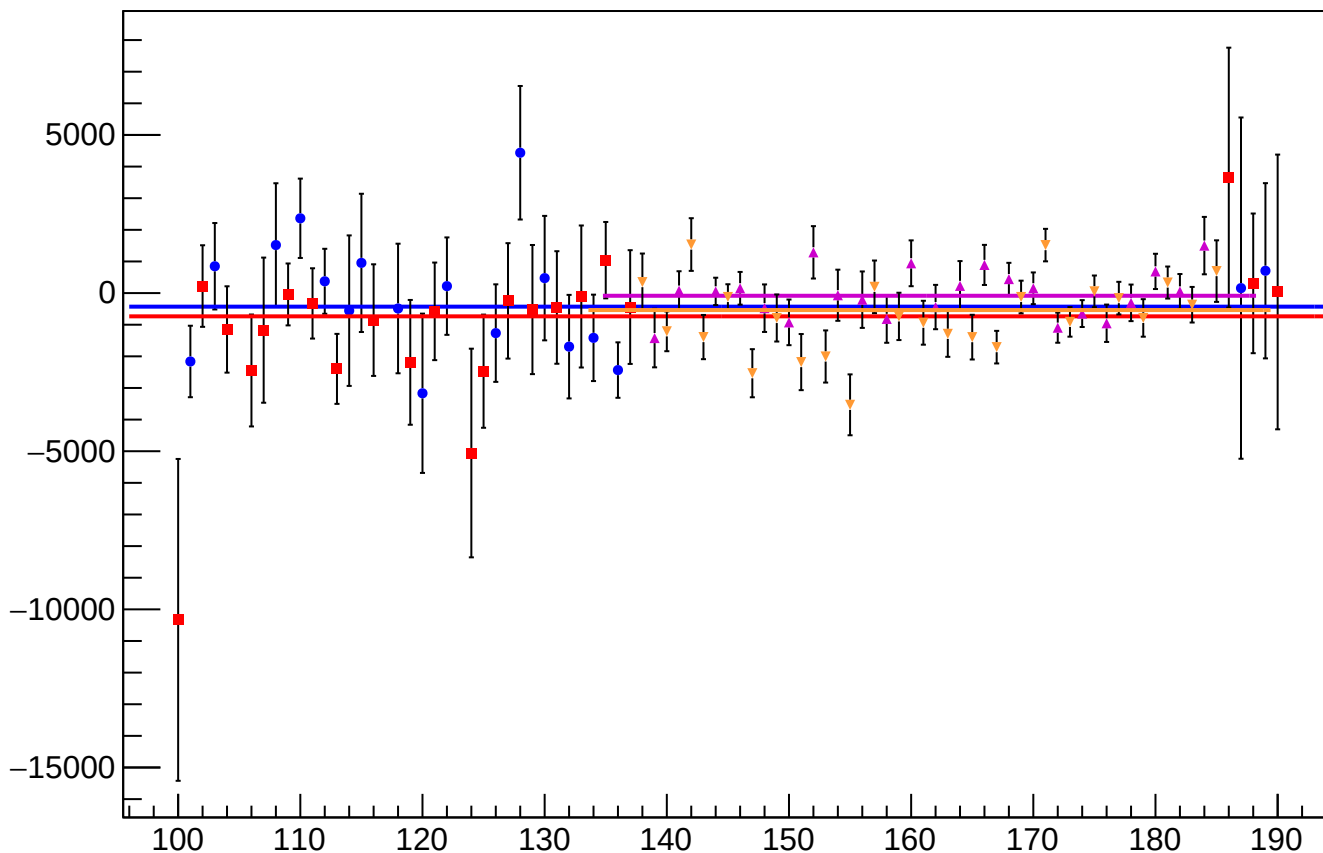
All: 9.048+/-11.212 χ^2/NDF : 159.4/87

- sign -50.249+/-16.040 χ^2/NDF : 70.0/44

dit_asym_sam_37_avg_rms vs Slug



asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -428.925 ± 361.647 $\chi^2/\text{NDF}: 23.9/17$

Left Out: -536.789 ± 124.471 $\chi^2/\text{NDF}: 67.0/24$

Right Out: -735.299 ± 350.808 $\chi^2/\text{NDF}: 15.0/21$

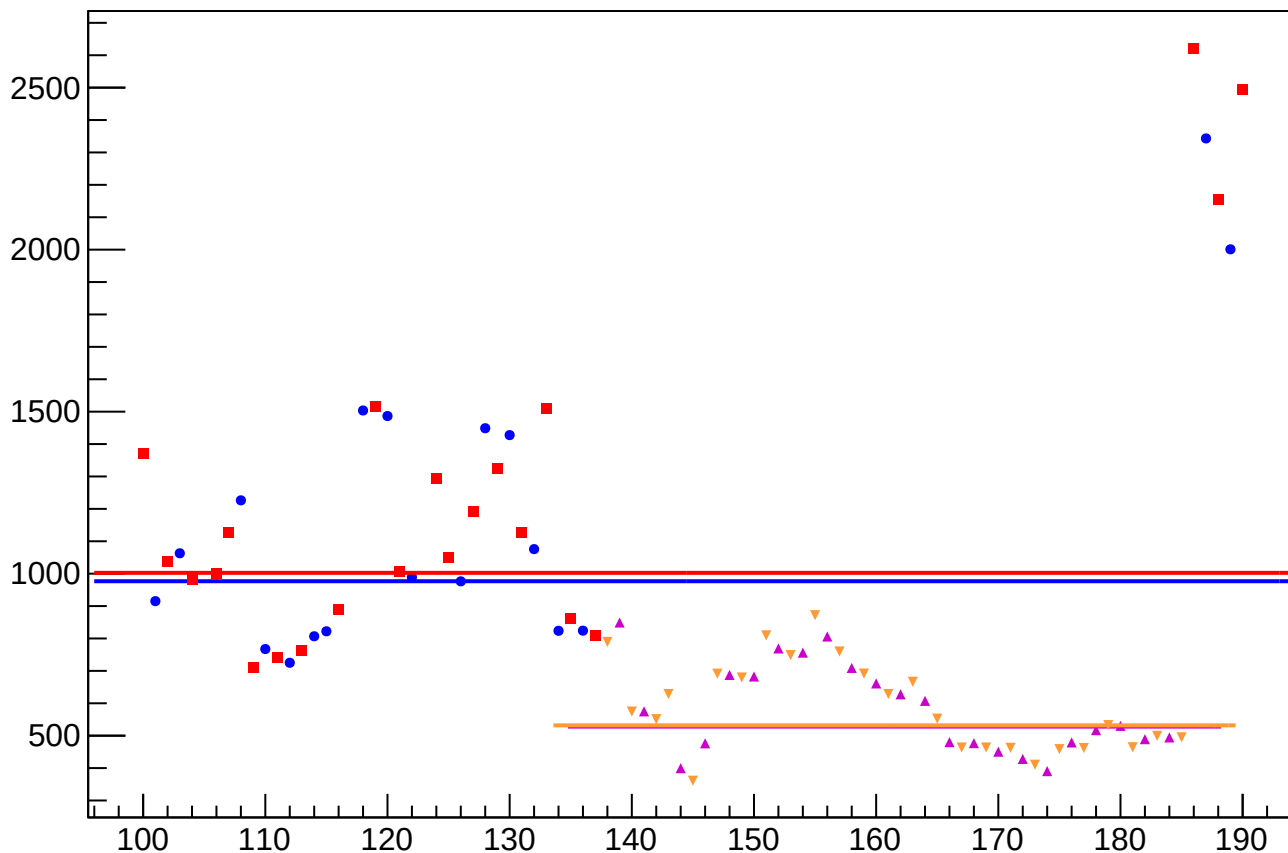
Left In: -84.668 ± 127.039 $\chi^2/\text{NDF}: 27.5/22$

+ sign -525.365 ± 117.695 $\chi^2/\text{NDF}: 91.0/42$

All: -345.432 ± 83.836 $\chi^2/\text{NDF}: 141.3/87$

- sign -160.100 ± 119.448 $\chi^2/\text{NDF}: 45.6/44$

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 976.669 ± 0.256 $\chi^2/\text{NDF}: 1156850.9/17$

Left Out: 531.872 ± 0.088 $\chi^2/\text{NDF}: 2037750.0/24$

Right Out: 1002.560 ± 0.248 $\chi^2/\text{NDF}: 1885634.4/21$

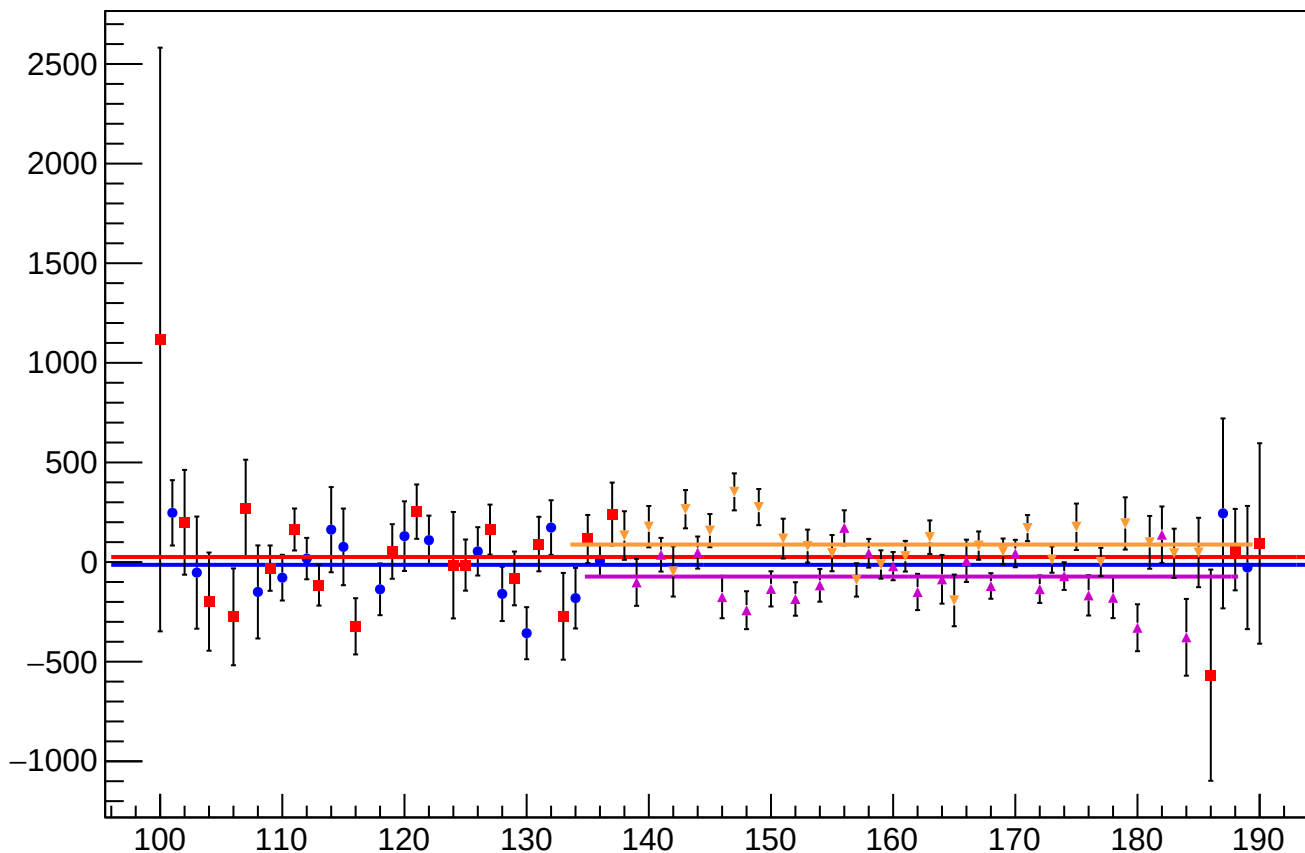
Left In: 527.986 ± 0.090 $\chi^2/\text{NDF}: 1800455.5/22$

+ sign 578.982 ± 0.083 $\chi^2/\text{NDF}: 5899582.4/42$

All: 580.964 ± 0.059 $\chi^2/\text{NDF}: 12822629.8/87$

- sign 583.006 ± 0.084 $\chi^2/\text{NDF}: 6921895.6/44$

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -13.821 ± 33.479 χ^2/NDF : 18.6/17

Left Out: 88.040 ± 17.745 χ^2/NDF : 36.9/24

Right Out: 25.544 ± 33.468 χ^2/NDF : 24.9/21

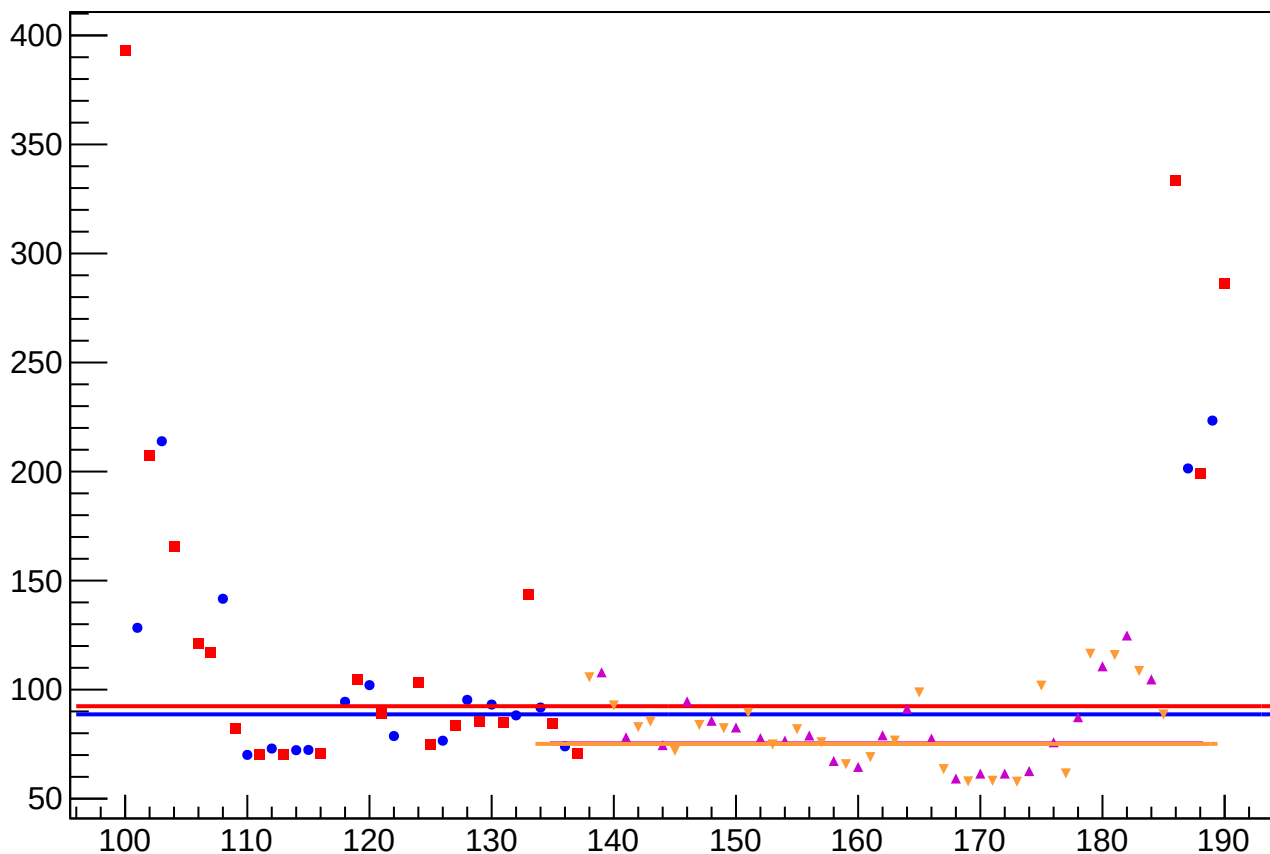
Left In: -72.848 ± 18.276 χ^2/NDF : 38.4/22

+ sign 65.700 ± 15.678 χ^2/NDF : 62.7/42

All: 9.048 ± 11.212 χ^2/NDF : 159.4/87

- sign -50.248 ± 16.040 χ^2/NDF : 70.0/44

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 88.661 ± 0.024 $\chi^2/\text{NDF}: 1356168.5/17$

Left Out: 75.128 ± 0.013 $\chi^2/\text{NDF}: 1601462.6/24$

Right Out: 92.400 ± 0.024 $\chi^2/\text{NDF}: 2423544.6/21$

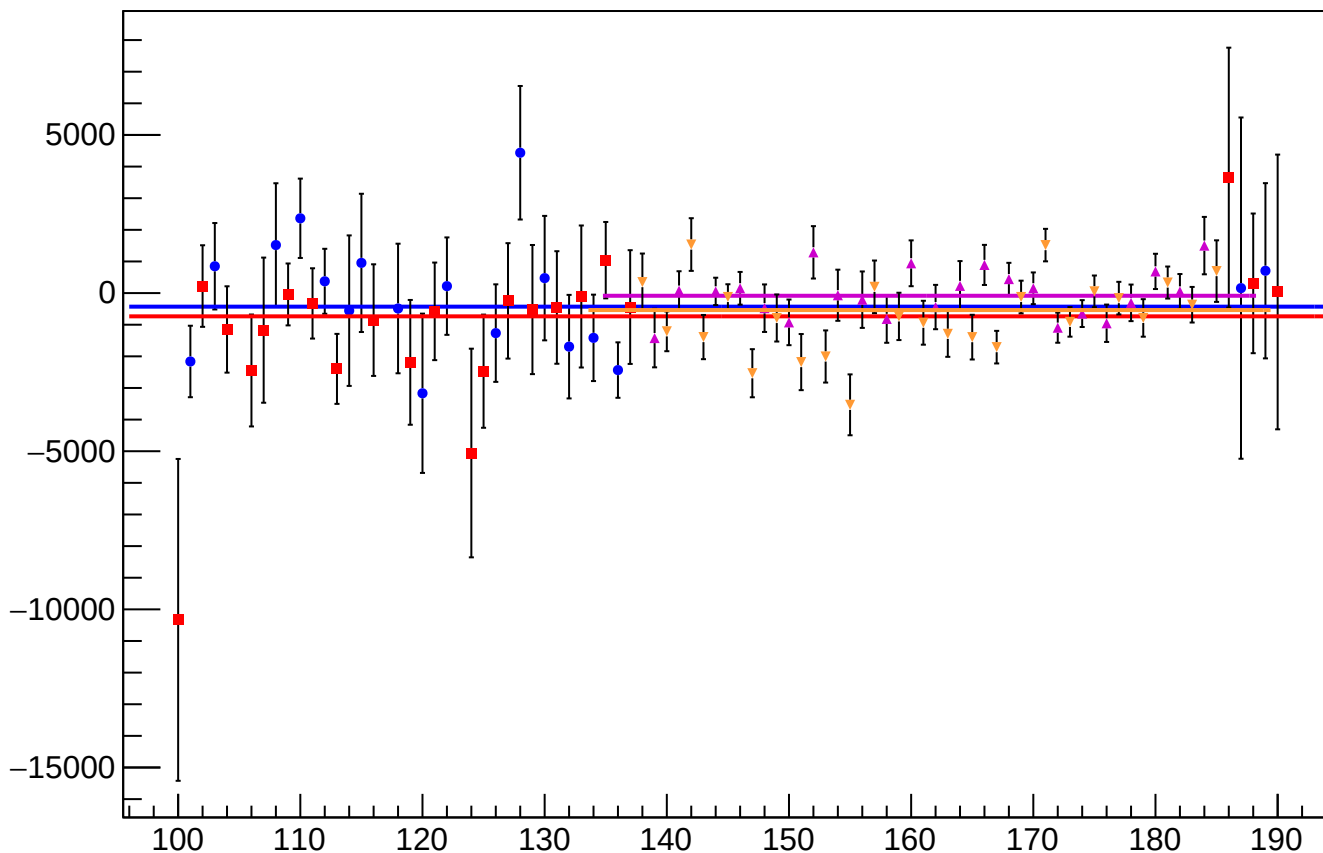
Left In: 75.363 ± 0.013 $\chi^2/\text{NDF}: 1225319.2/22$

+ sign 78.096 ± 0.011 $\chi^2/\text{NDF}: 3212765.2/42$

All: 78.673 ± 0.008 $\chi^2/\text{NDF}: 7266361.3/87$

- sign 79.276 ± 0.011 $\chi^2/\text{NDF}: 4048059.3/44$

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -428.923+/-361.646 χ^2/NDF : 23.9/17

Left Out: -536.790+/-124.471 χ^2/NDF : 67.0/24

Right Out: -735.298+/-350.807 χ^2/NDF : 15.0/21

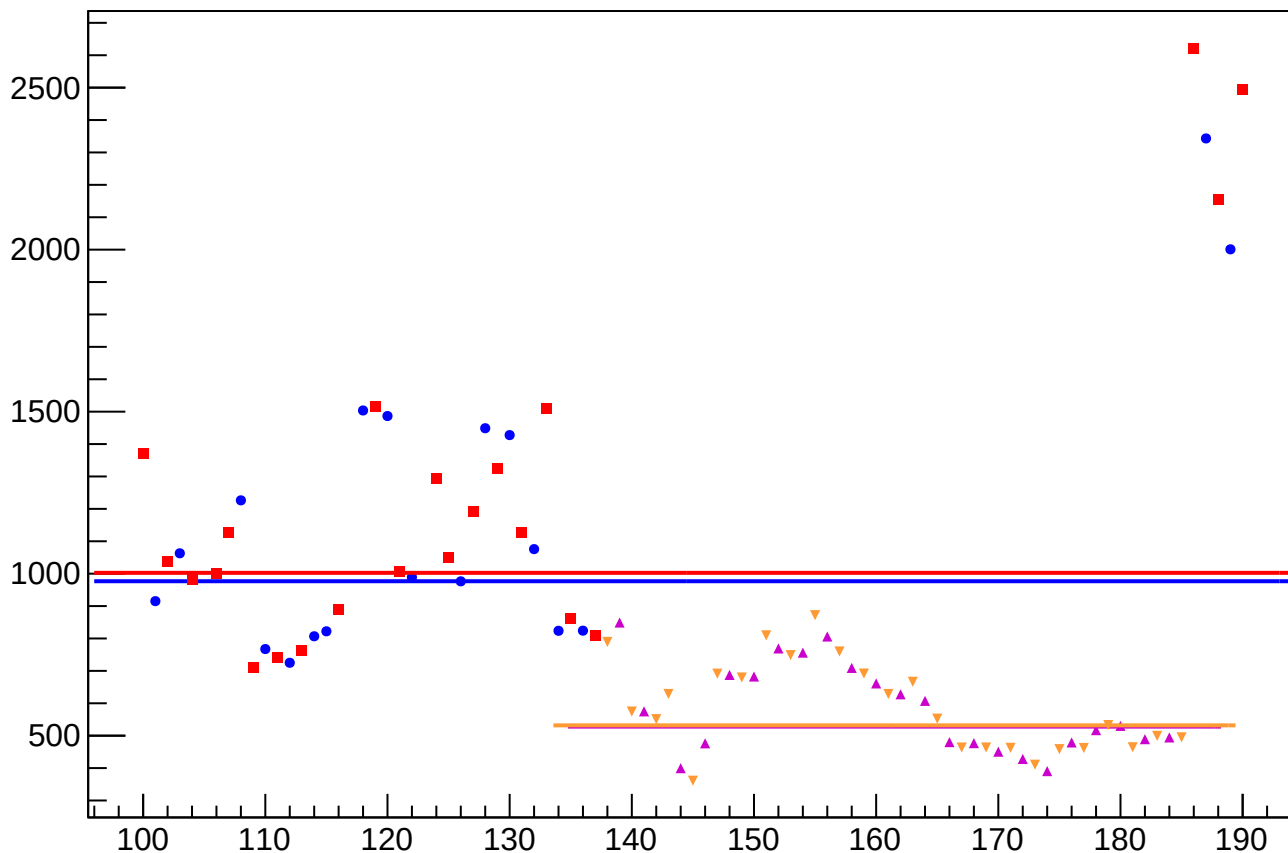
Left In: -84.668+/-127.039 χ^2/NDF : 27.5/22

+ sign -525.365+/-117.695 χ^2/NDF : 91.0/42

All: -345.432+/-83.836 χ^2/NDF : 141.3/87

- sign -160.100+/-119.448 χ^2/NDF : 45.6/44

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 976.667 $\pm$ 0.256 χ^2 /NDF: 1156854.5/17

Left Out: 531.872 $\pm$ 0.088 χ^2 /NDF: 2037744.9/24

Right Out: 1002.558 $\pm$ 0.248 χ^2 /NDF: 1885635.2/21

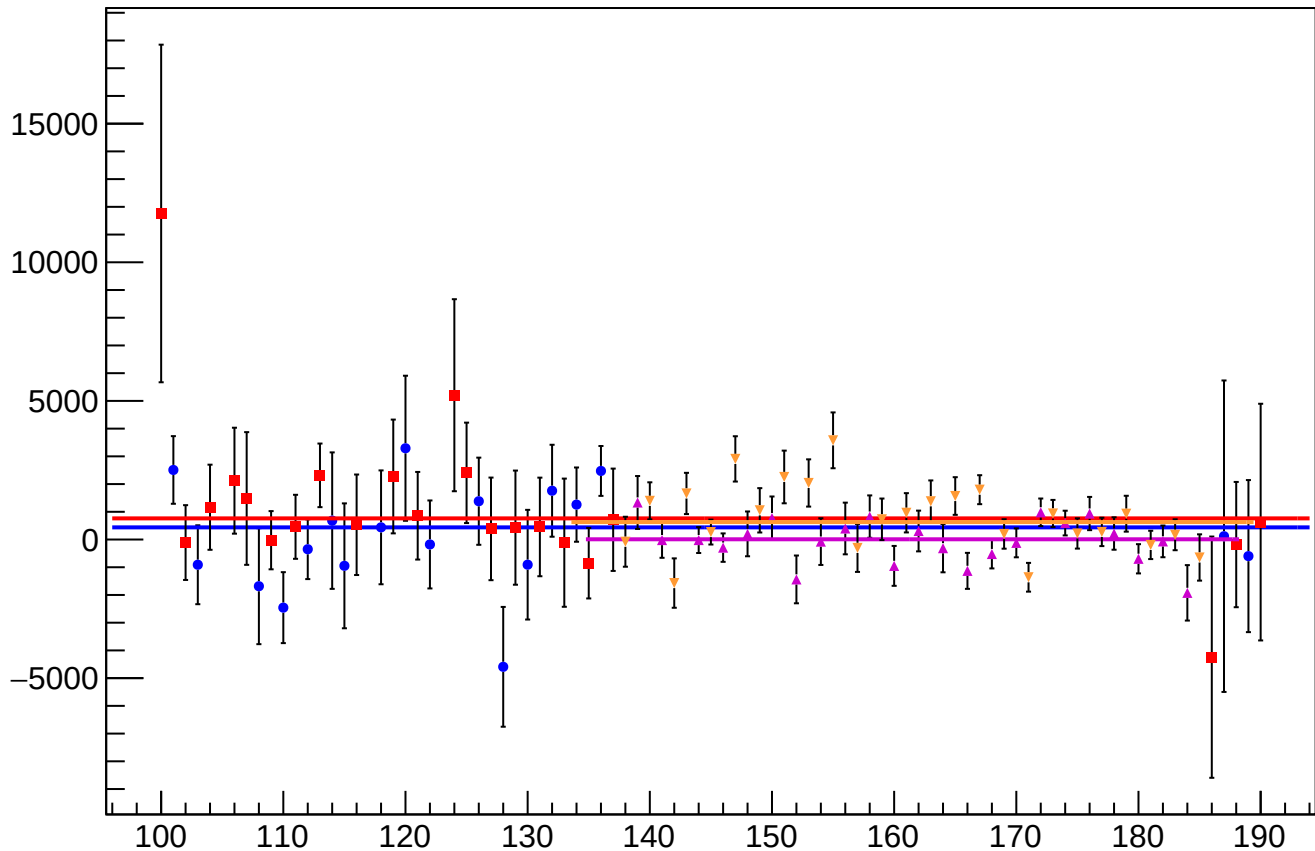
Left In: 527.986 $\pm$ 0.090 χ^2 /NDF: 1800449.7/22

+ sign 578.982 $\pm$ 0.083 χ^2 /NDF: 5899570.7/42

All: 580.964 $\pm$ 0.059 χ^2 /NDF: 12822601.1/87

- sign 583.006 $\pm$ 0.084 χ^2 /NDF: 6921878.5/44

asym_sam_37_avg_mean vs Slug



Right In: 438.135 $\pm$ 372.543 χ^2 /NDF: 24.7/17

Left Out: 629.379 $\pm$ 128.853 χ^2 /NDF: 64.9/24

Right Out: 762.545 $\pm$ 366.533 χ^2 /NDF: 13.2/21

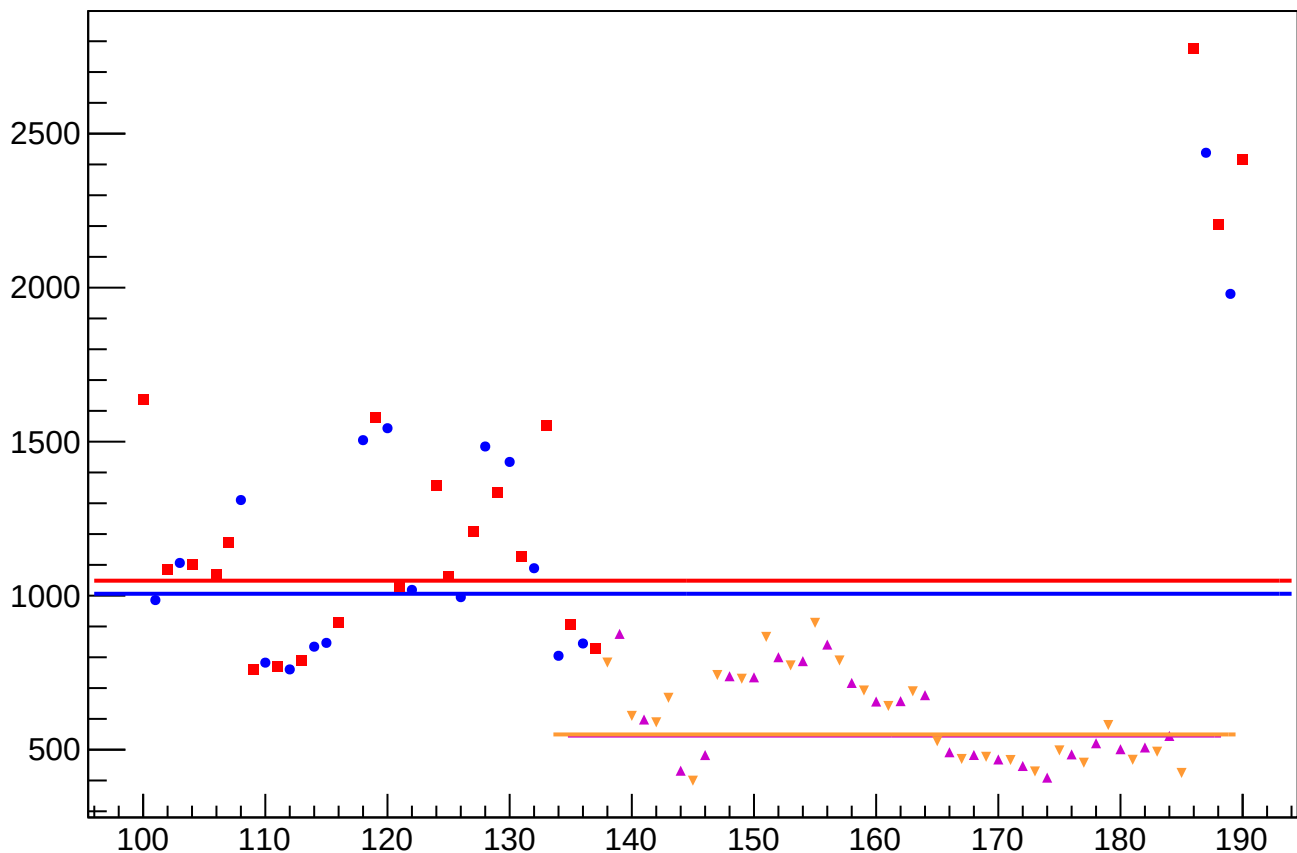
Left In: 8.460 $\pm$ 131.289 χ^2 /NDF: 27.3/22

+ sign 608.945 $\pm$ 121.775 χ^2 /NDF: 89.8/42

All: 355.404 $\pm$ 86.746 χ^2 /NDF: 142.9/87

- sign 94.209 $\pm$ 123.599 χ^2 /NDF: 44.3/44

asym_sam_37_avg_rms vs Slug



Right In: 1006.178 $\pm$ 0.263 χ^2 /NDF: 1128291.9/17

Left Out: 549.475 $\pm$ 0.091 χ^2 /NDF: 2053905.8/24

Right Out: 1048.674 $\pm$ 0.259 χ^2 /NDF: 1806537.0/21

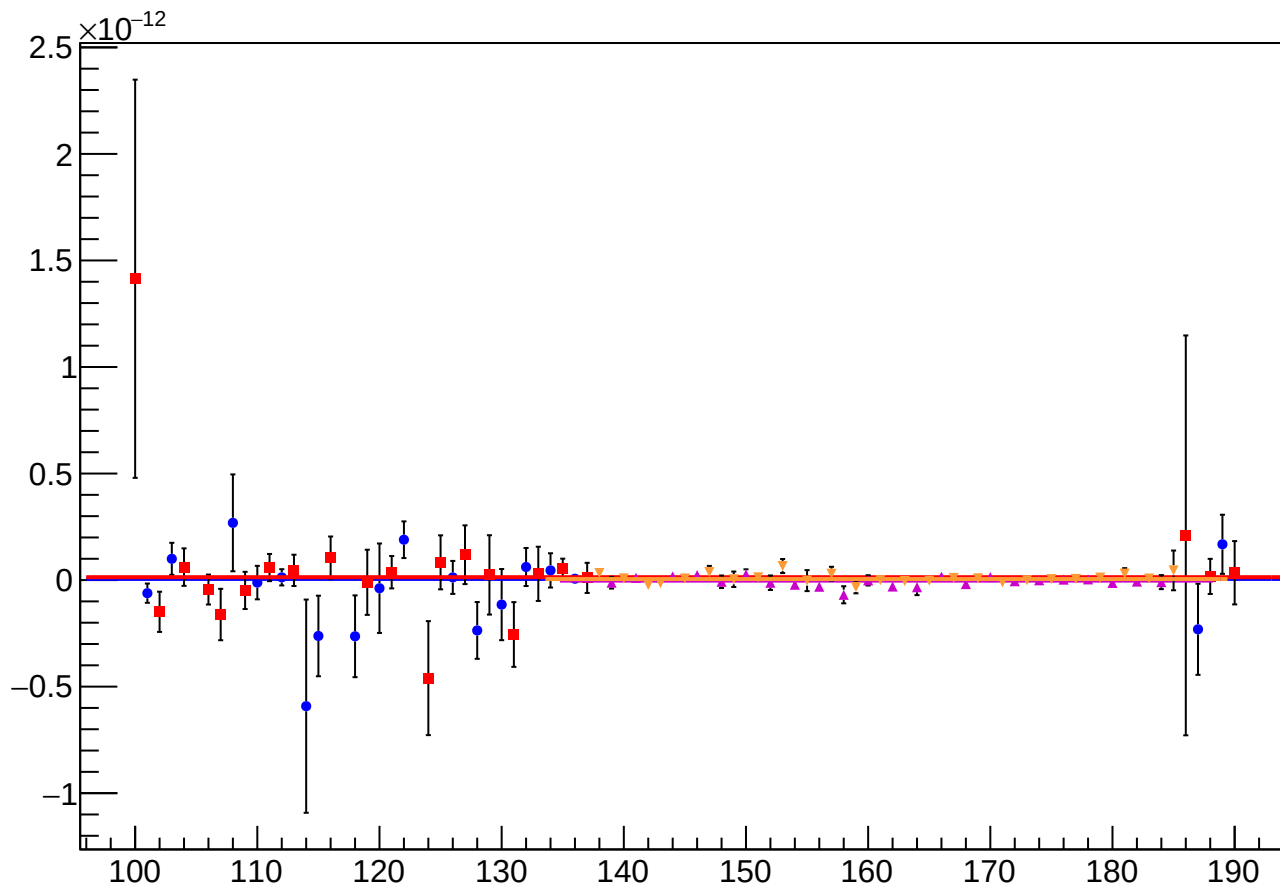
Left In: 545.708 $\pm$ 0.093 χ^2 /NDF: 1814508.3/22

+ sign 598.272 $\pm$ 0.086 χ^2 /NDF: 5866751.8/42

All: 600.552 $\pm$ 0.061 χ^2 /NDF: 12826984.0/87

- sign 602.901 $\pm$ 0.087 χ^2 /NDF: 6958808.7/44

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.3/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.5/21

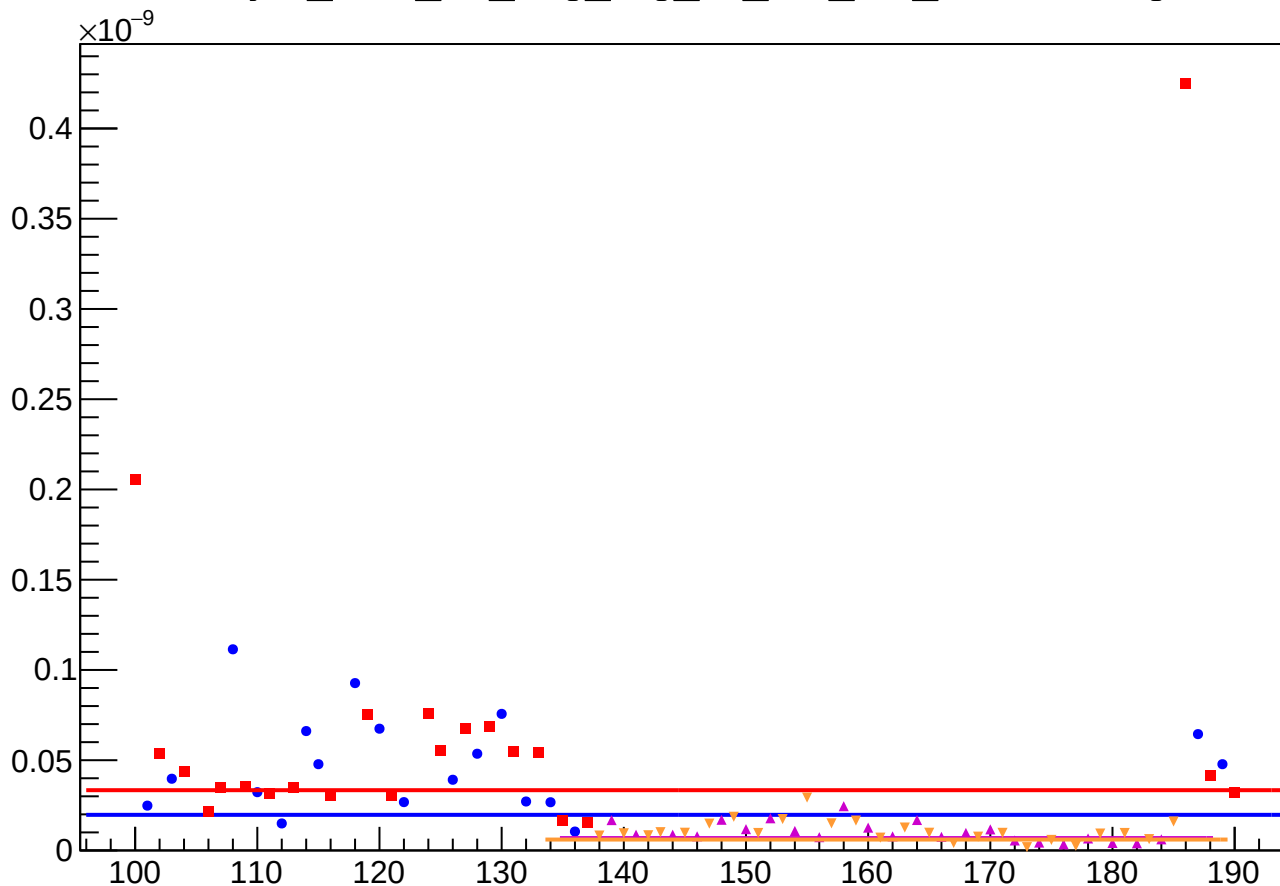
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.9/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 79.4/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 39.1/44

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2149847.4/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3623754.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1550759.7/21

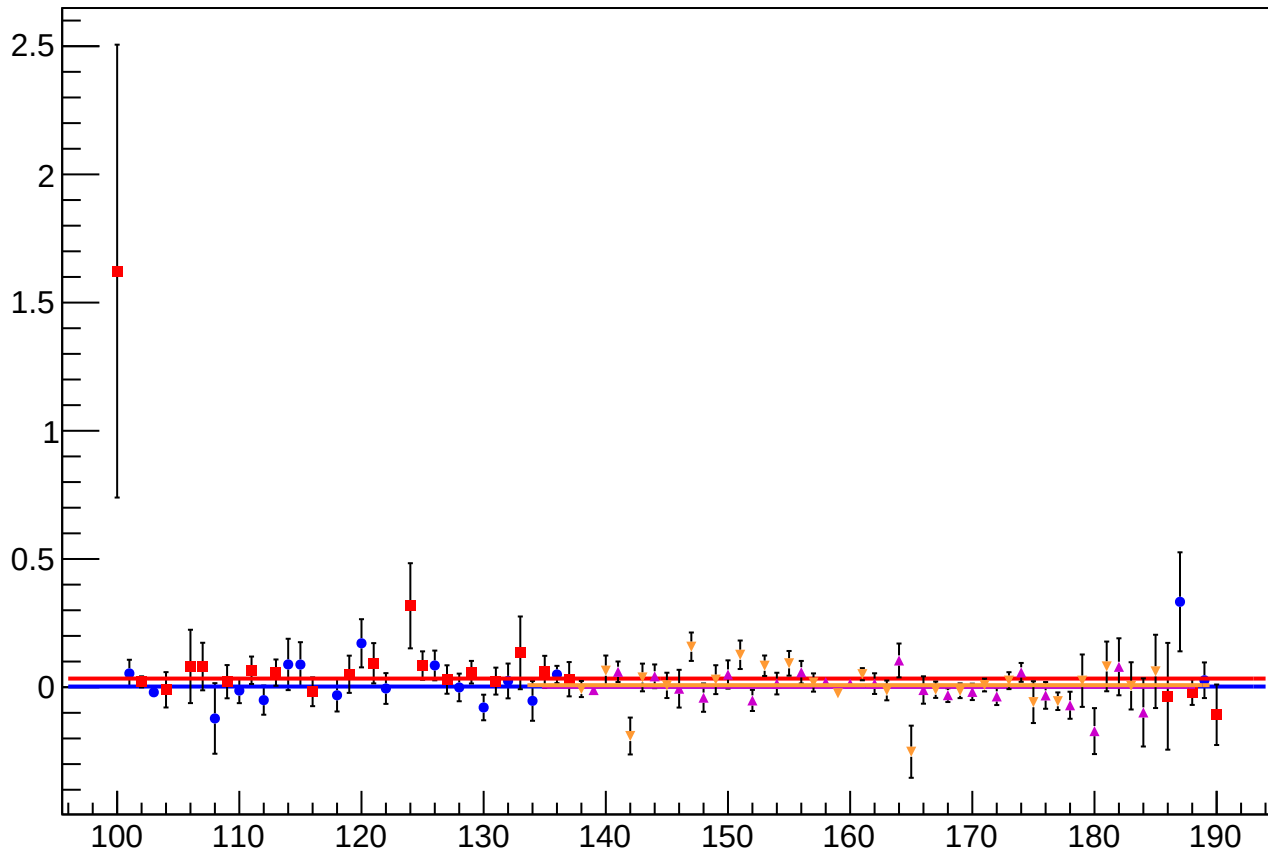
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2417942.7/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 7519438.3/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 15026078.9/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 7414616.2/44

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.012 χ^2/NDF : 19.6/17

Left Out: 0.008 ± 0.008 χ^2/NDF : 47.6/24

Right Out: 0.034 ± 0.012 χ^2/NDF : 13.9/21

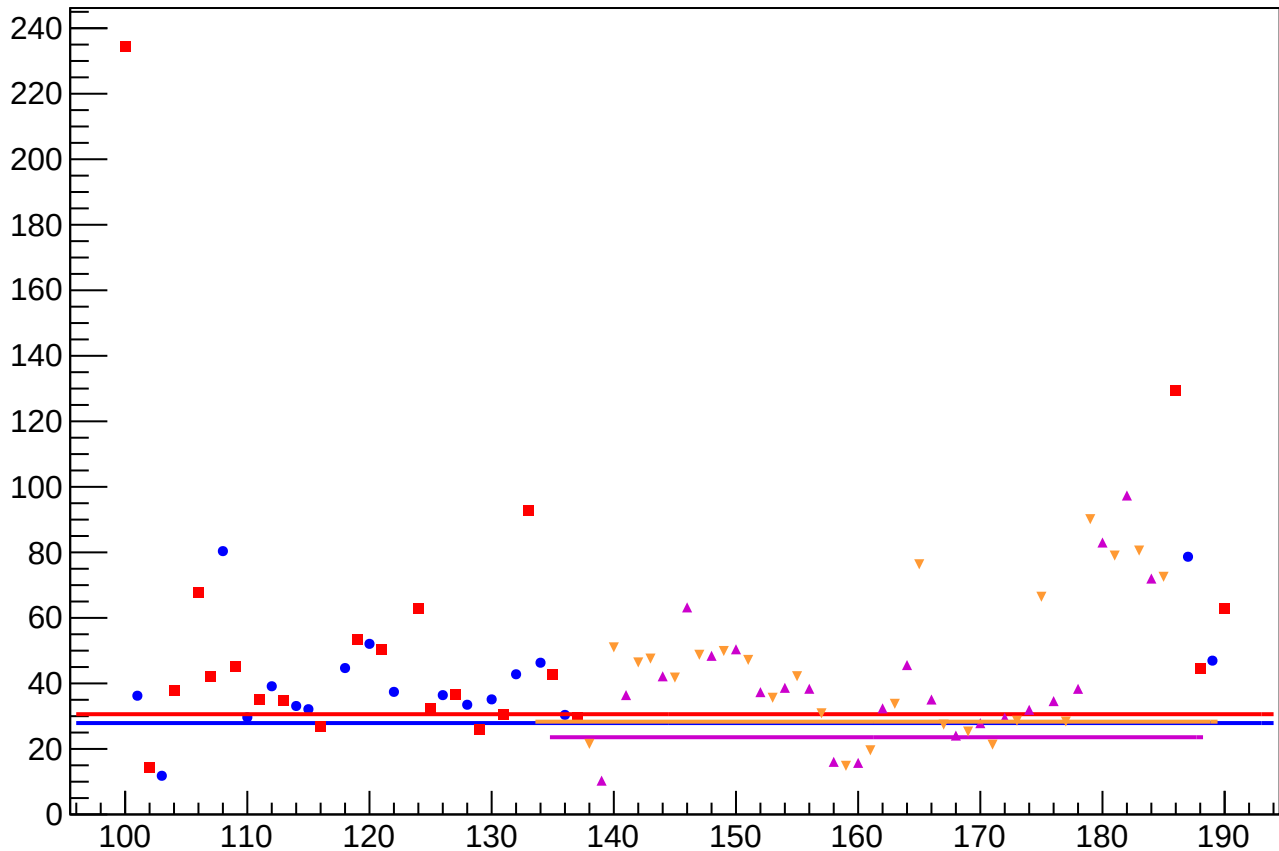
Left In: 0.001 ± 0.007 χ^2/NDF : 25.1/22

+ sign 0.006 ± 0.006 χ^2/NDF : 67.3/42

All: 0.008 ± 0.004 χ^2/NDF : 111.8/87

- sign 0.009 ± 0.006 χ^2/NDF : 44.4/44

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.896 $\pm$ 0.008 χ^2/NDF : 2712003.0/17

Left Out: 28.325 $\pm$ 0.005 χ^2/NDF : 6788307.1/24

Right Out: 30.604 $\pm$ 0.009 χ^2/NDF : 3245398.7/21

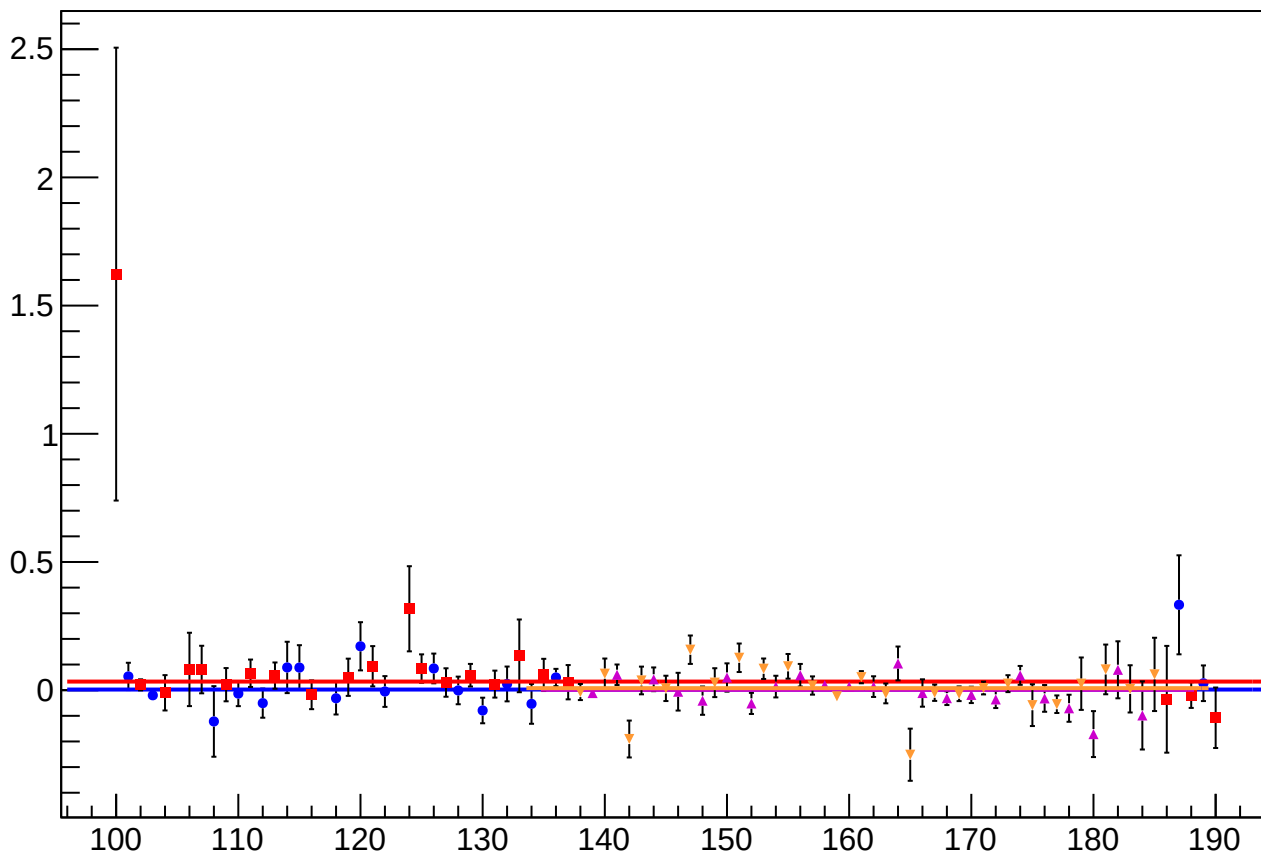
Left In: 23.572 $\pm$ 0.005 χ^2/NDF : 8263833.7/22

+ sign 28.200 $\pm$ 0.005 χ^2/NDF : 9502169.1/42

All: 26.619 $\pm$ 0.003 χ^2/NDF : 21749564.4/87

- sign 25.248 $\pm$ 0.004 χ^2/NDF : 12018142.4/44

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.012 $\chi^2/\text{NDF}: 19.6/17$

Left Out: 0.008 ± 0.008 $\chi^2/\text{NDF}: 47.6/24$

Right Out: 0.034 ± 0.012 $\chi^2/\text{NDF}: 13.9/21$

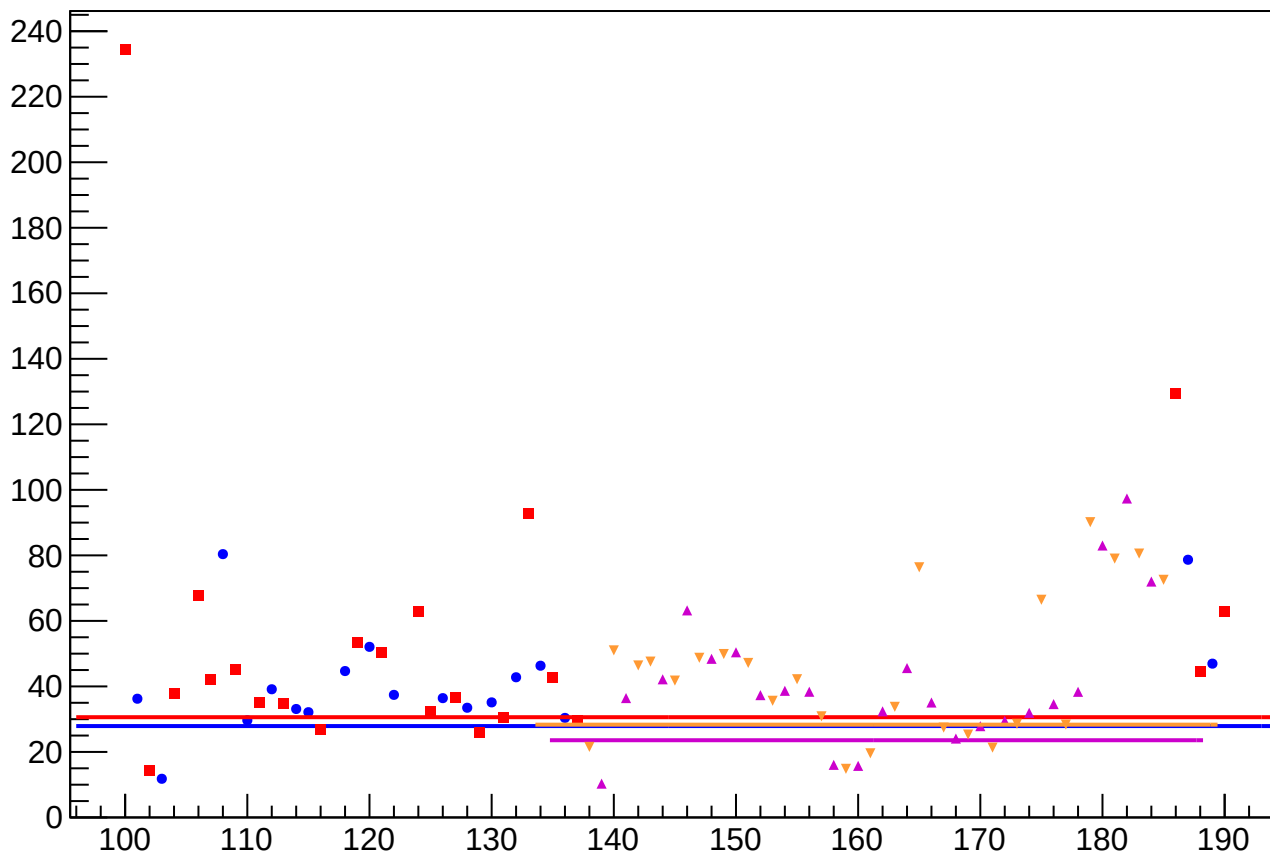
Left In: 0.001 ± 0.007 $\chi^2/\text{NDF}: 25.1/22$

+ sign 0.006 ± 0.006 $\chi^2/\text{NDF}: 67.3/42$

All: 0.008 ± 0.004 $\chi^2/\text{NDF}: 111.8/87$

- sign 0.009 ± 0.006 $\chi^2/\text{NDF}: 44.4/44$

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.896±/0.008 χ^2/NDF : 2712003.0/17

Left Out: 28.325±/0.005 χ^2/NDF : 6788307.1/24

Right Out: 30.604±/0.009 χ^2/NDF : 3245398.7/21

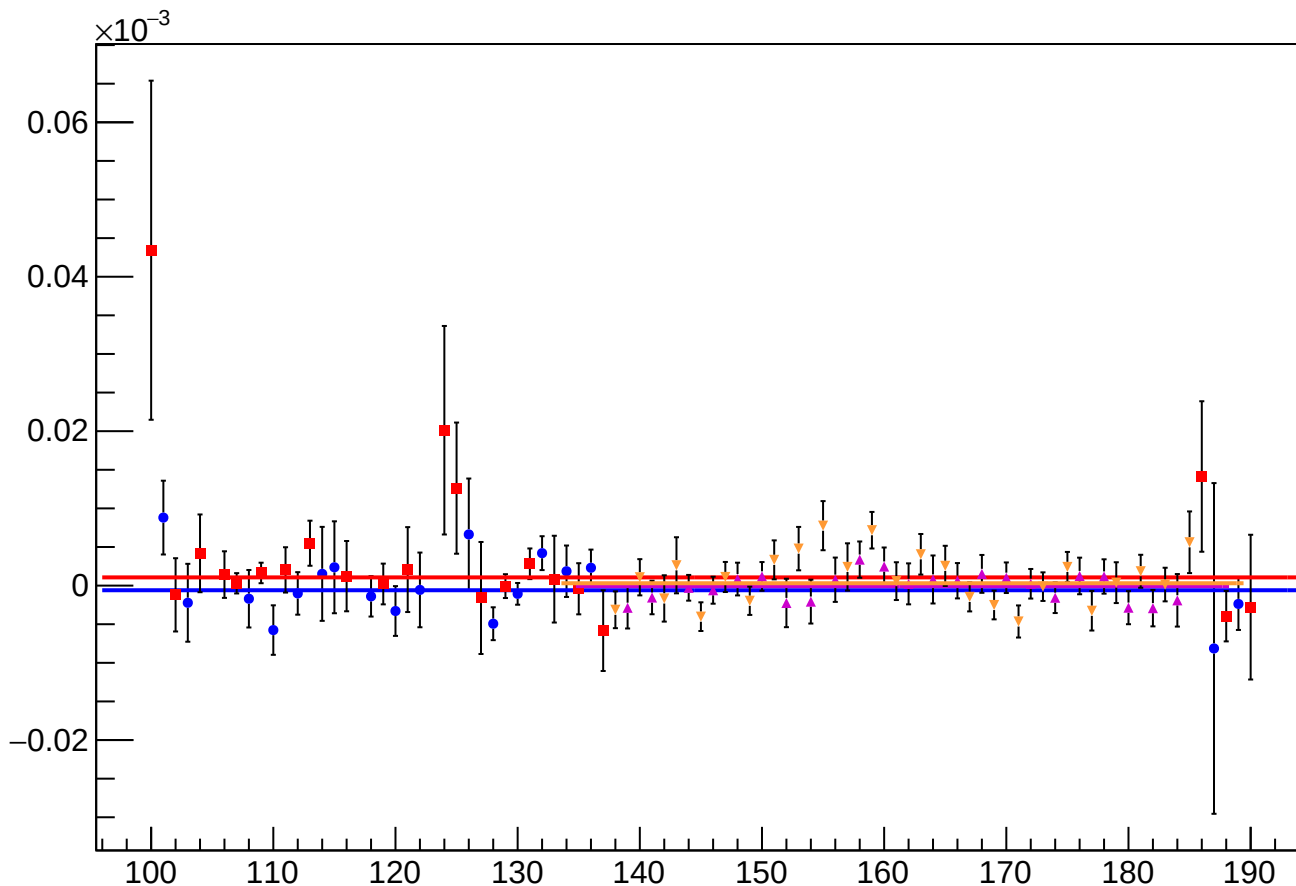
Left In: 23.572±/0.005 χ^2/NDF : 8263833.7/22

+ sign 28.200±/0.005 χ^2/NDF : 9502169.1/42

All: 26.619±/0.003 χ^2/NDF : 21749564.4/87

- sign 25.248±/0.004 χ^2/NDF : 12018142.4/44

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 20.4/17$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 45.7/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 19.0/21$

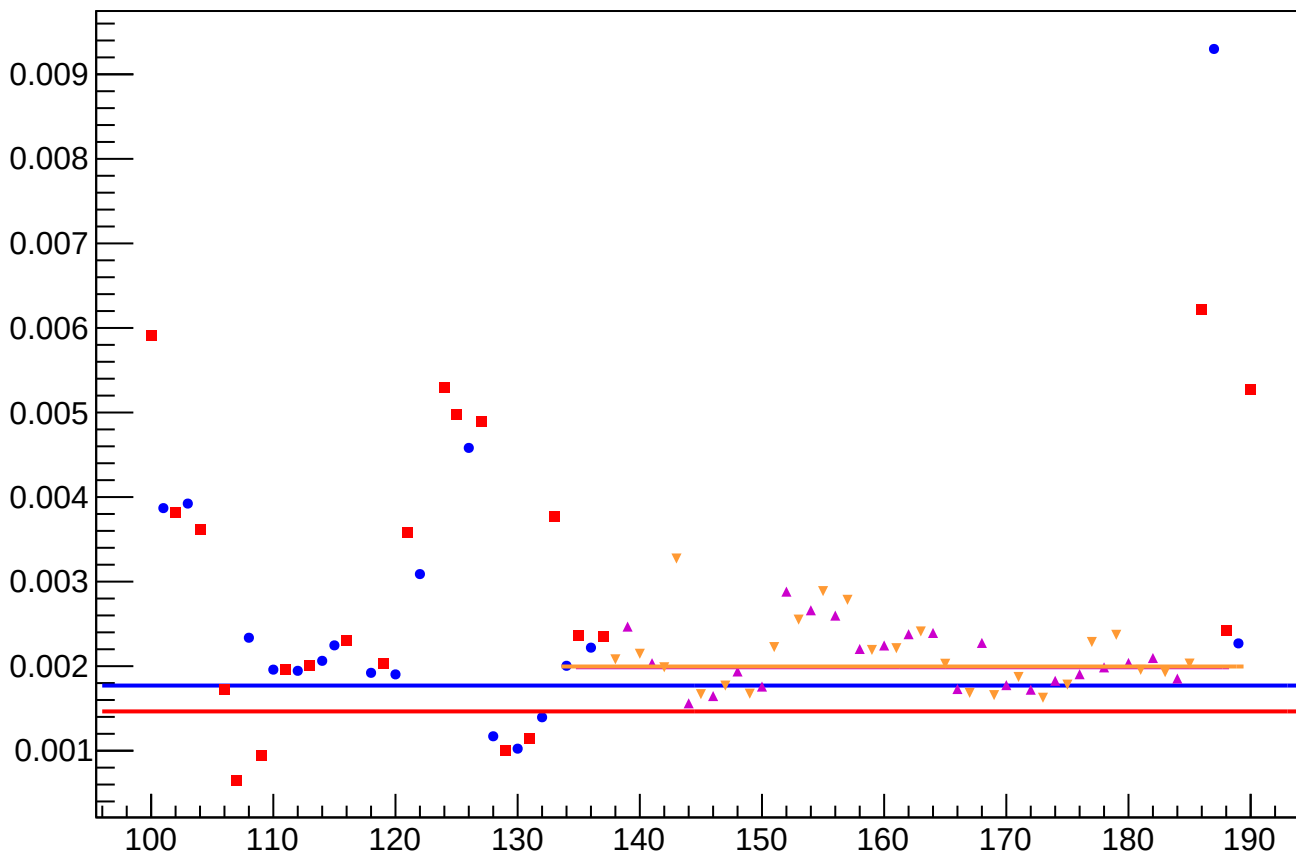
Left In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 12.1/22$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 67.2/42$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 100.9/87$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 33.3/44$

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2441582.3/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1173308.8/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 5326003.6/21

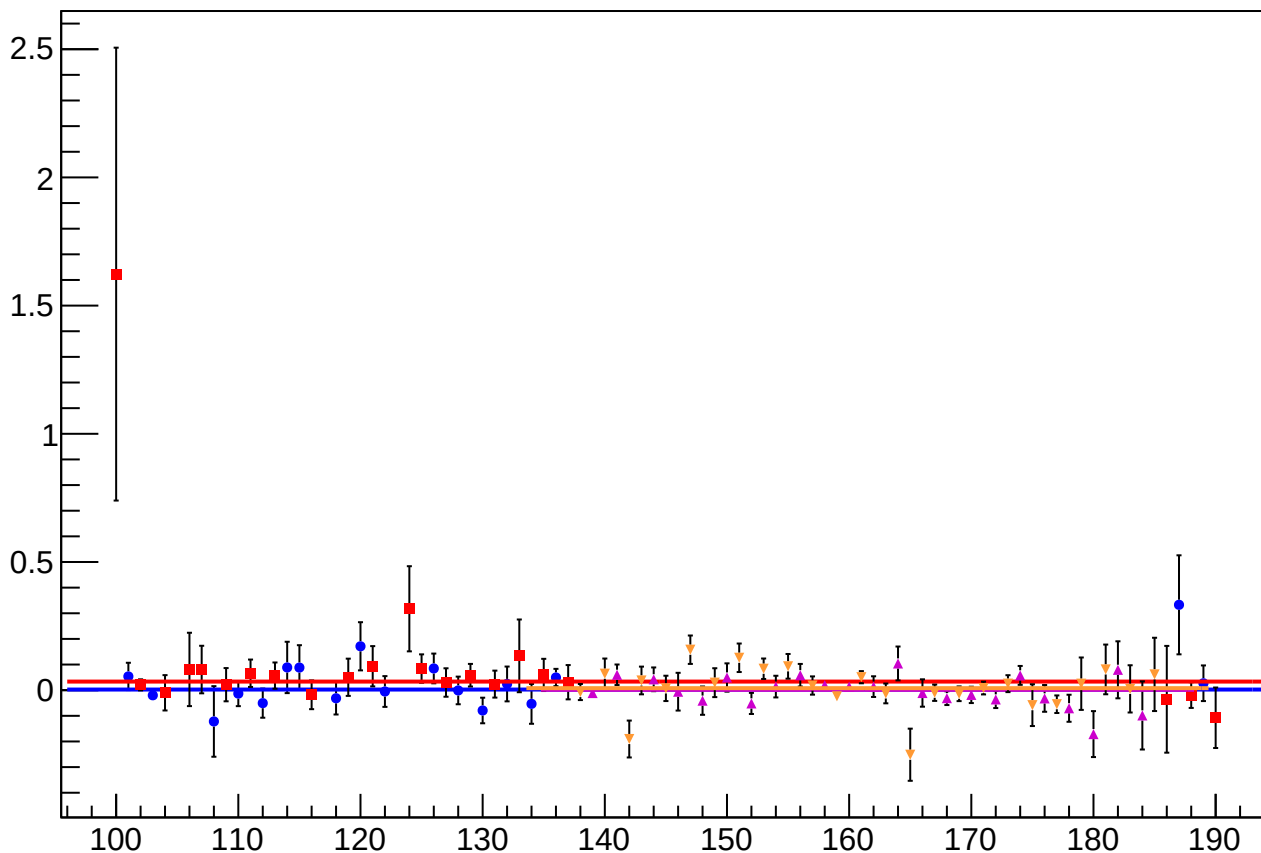
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:924009.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3758940.9/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 11084625.0/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7187773.3/44

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.012 χ^2 /NDF: 19.6/17

Left Out: 0.008 $\pm$ 0.008 χ^2 /NDF:47.6/24

Right Out: 0.034 $\pm$ 0.012 χ^2 /NDF: 13.9/21

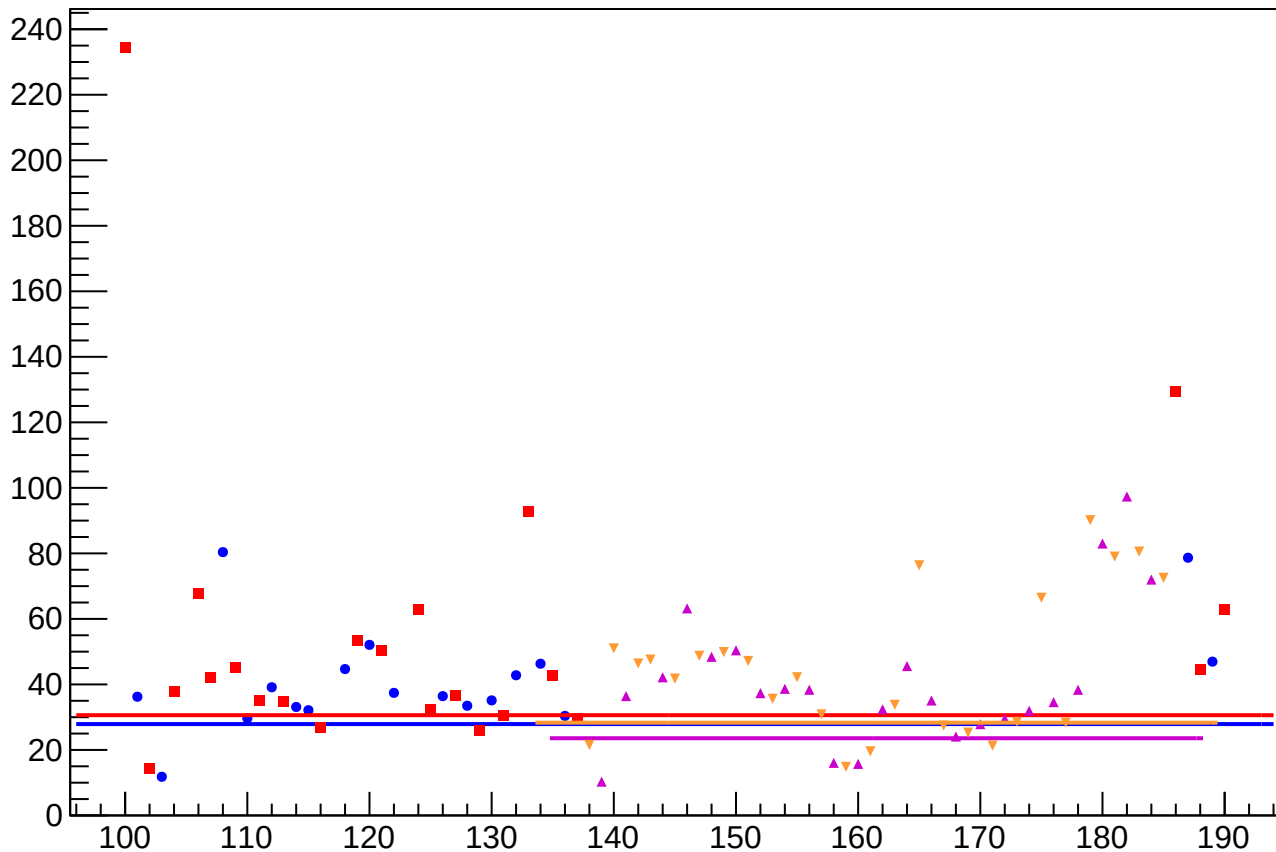
Left In: 0.001 $\pm$ 0.007 χ^2 /NDF:25.1/22

+ sign 0.006 $\pm$ 0.006 χ^2 /NDF: 67.3/42

All: 0.008 $\pm$ 0.004 χ^2 /NDF: 111.8/87

- sign 0.009 $\pm$ 0.006 χ^2 /NDF: 44.4/44

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.896±/0.008 χ^2/NDF : 2712356.2/17

Left Out: 28.324±/0.005 χ^2/NDF : 6788766.1/24

Right Out: 30.607±/0.009 χ^2/NDF : 3244669.2/21

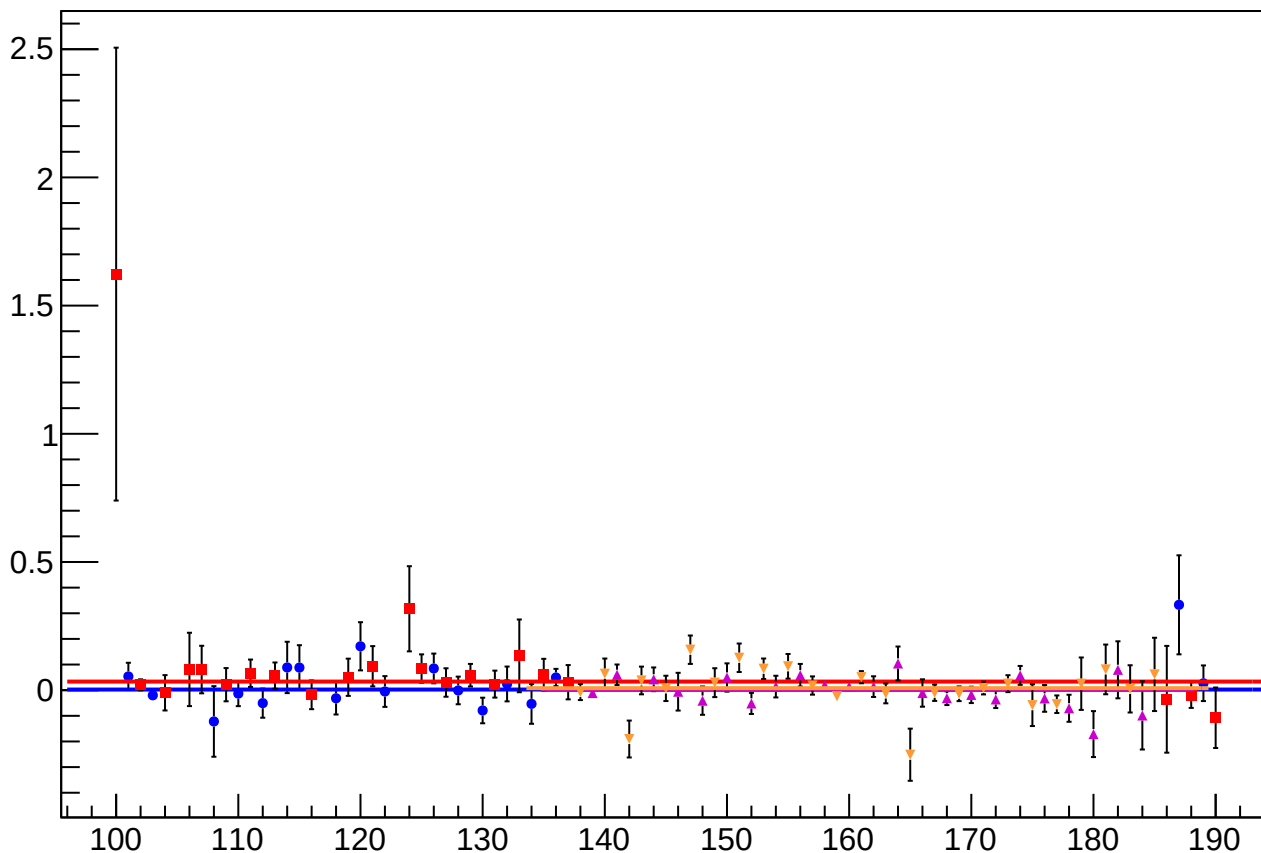
Left In: 23.571±/0.005 χ^2/NDF : 8264891.4/22

+ sign 28.200±/0.005 χ^2/NDF : 9502984.6/42

All: 26.618±/0.003 χ^2/NDF : 21751220.0/87

- sign 25.248±/0.004 χ^2/NDF : 12018983.0/44

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.012 χ^2 /NDF: 19.6/17

Left Out: 0.008 $\pm$ 0.008 χ^2 /NDF: 47.6/24

Right Out: 0.034 $\pm$ 0.012 χ^2 /NDF: 13.9/21

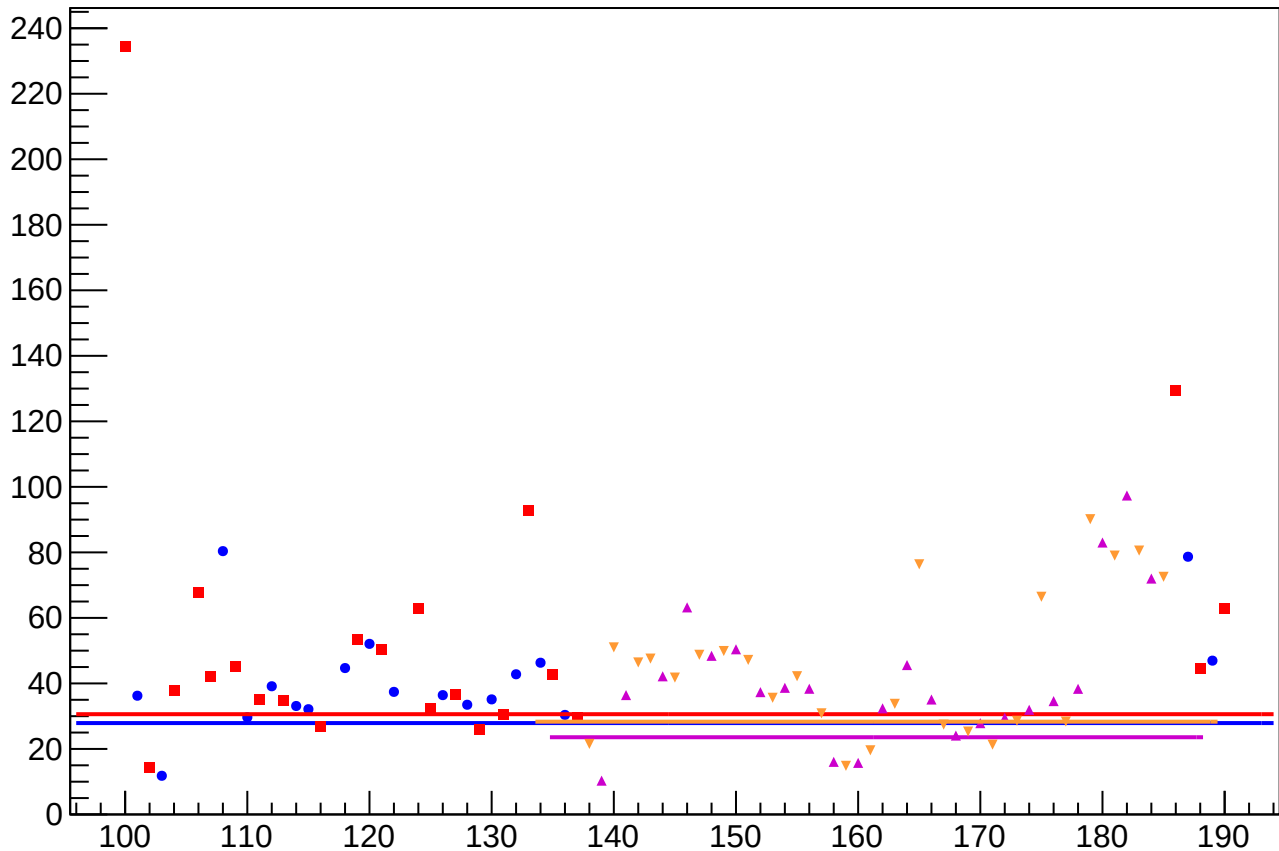
Left In: 0.001 $\pm$ 0.007 χ^2 /NDF: 25.1/22

+ sign 0.006 $\pm$ 0.006 χ^2 /NDF: 67.3/42

All: 0.008 $\pm$ 0.004 χ^2 /NDF: 111.8/87

- sign 0.009 $\pm$ 0.006 χ^2 /NDF: 44.4/44

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.896+/-0.008 χ^2/NDF : 2712356.2/17

Left Out: 28.324+/-0.005 χ^2/NDF : 6788766.1/24

Right Out: 30.607+/-0.009 χ^2/NDF : 3244669.2/21

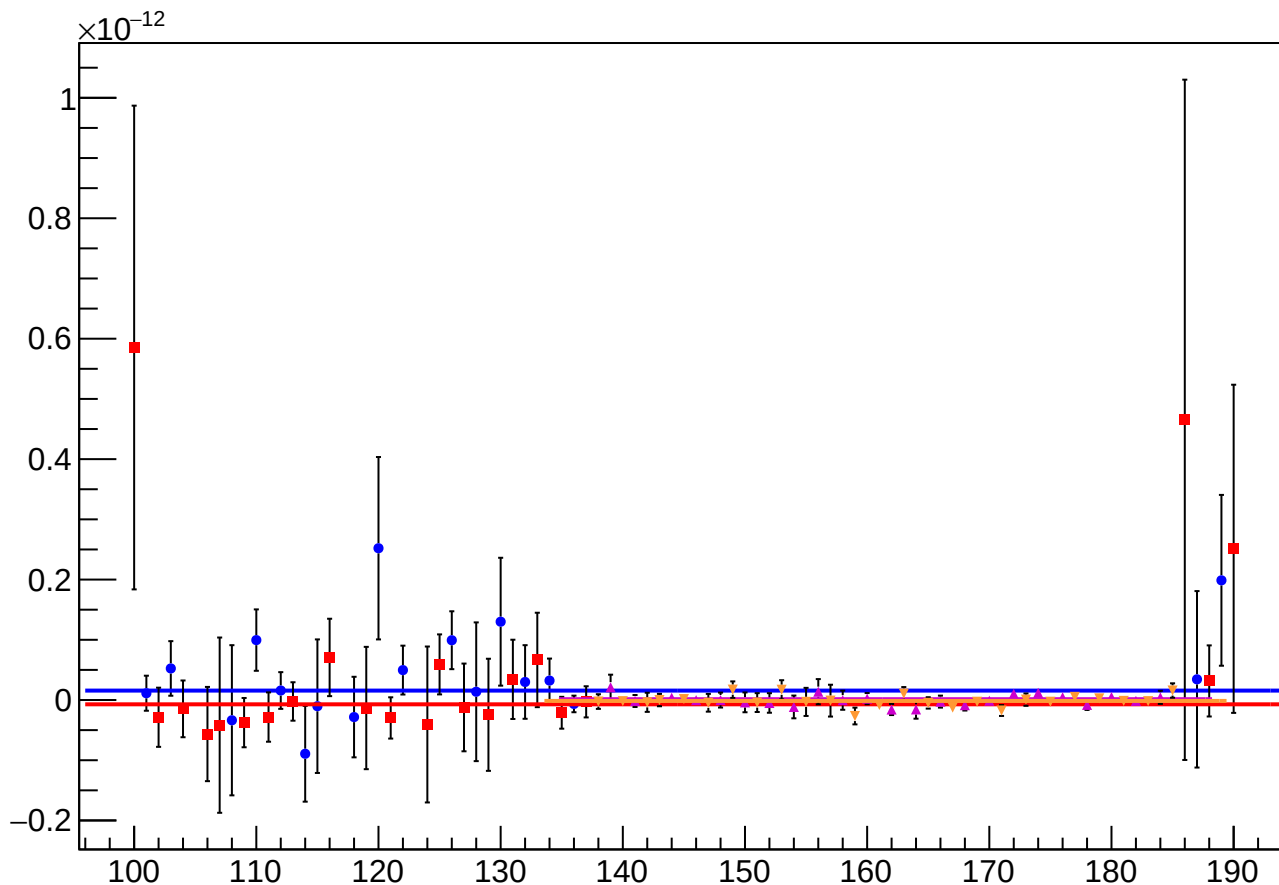
Left In: 23.571+/-0.005 χ^2/NDF : 8264891.4/22

+ sign 28.200+/-0.005 χ^2/NDF : 9502984.6/42

All: 26.618+/-0.003 χ^2/NDF : 21751220.0/87

- sign 25.248+/-0.004 χ^2/NDF : 12018983.0/44

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 11.1/21

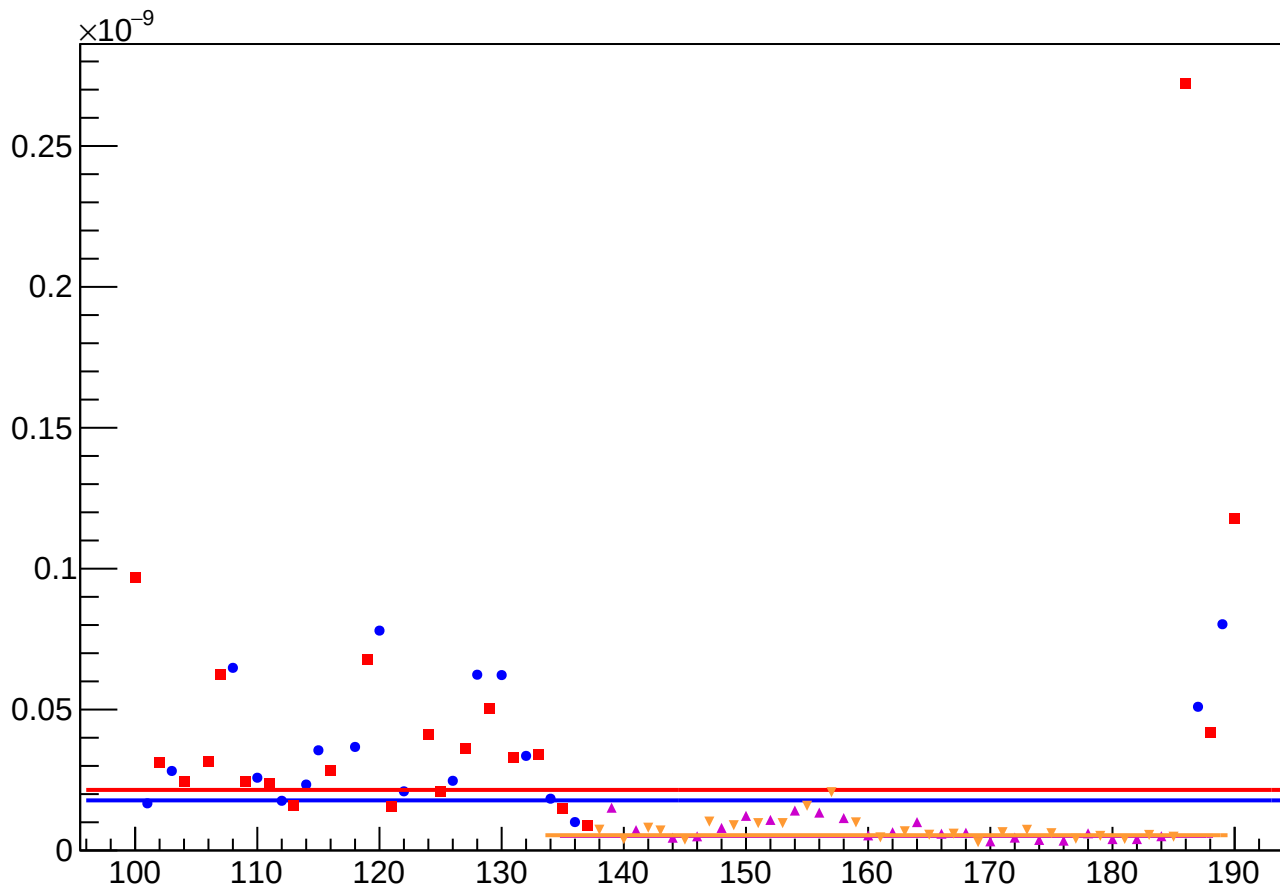
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.9/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 38.4/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 66.7/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 27.6/44

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2937196.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3068356.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2821129.7/21

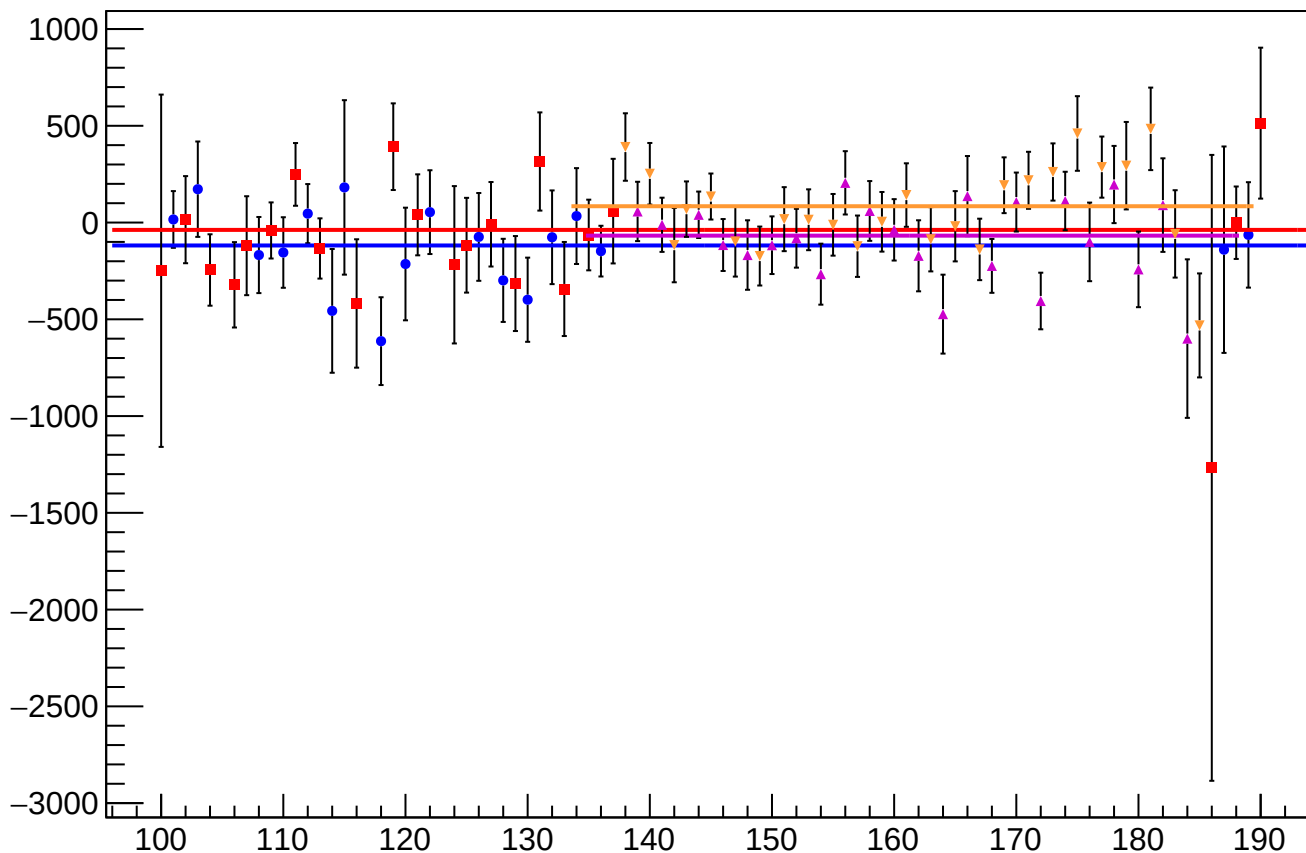
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3390855.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9337982.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 20154353.8/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10796986.2/44

reg_asym_sam_48_avg_mean vs Slug



Right In: -118.438 ± 50.006 $\chi^2/\text{NDF}: 13.5/17$

Left Out: 84.324 ± 33.036 $\chi^2/\text{NDF}: 33.8/24$

Right Out: -37.951 ± 47.839 $\chi^2/\text{NDF}: 19.7/21$

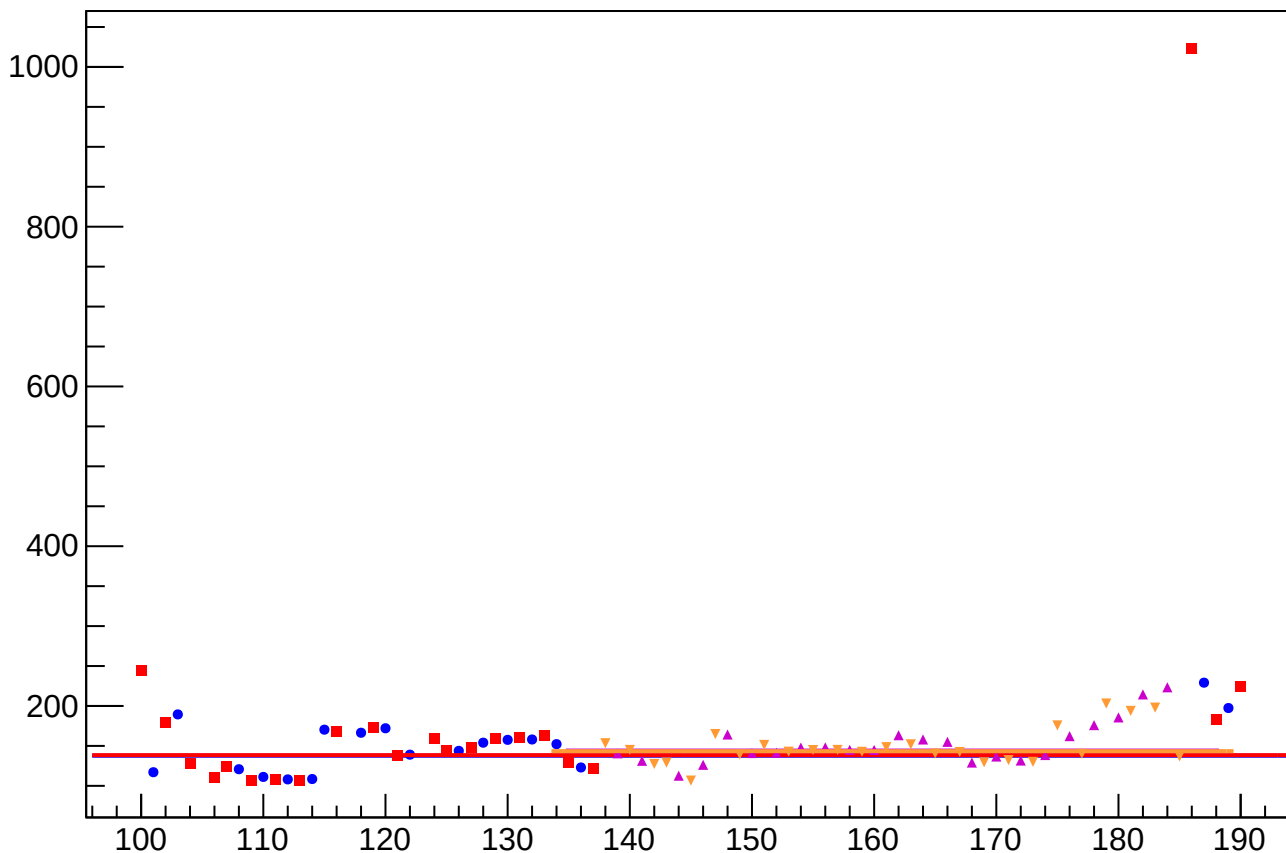
Left In: -67.646 ± 34.137 $\chi^2/\text{NDF}: 26.5/22$

+ sign 22.718 ± 27.564 $\chi^2/\text{NDF}: 58.7/42$

All: -17.129 ± 19.569 $\chi^2/\text{NDF}: 109.4/87$

- sign -57.627 ± 27.788 $\chi^2/\text{NDF}: 46.4/44$

reg_asym_sam_48_avg_rms vs Slug



Right In: 137.712 $\pm$ 0.035 χ^2 /NDF: 578306.6/17

Left Out: 143.444 $\pm$ 0.023 χ^2 /NDF: 747040.9/24

Right Out: 138.430 $\pm$ 0.034 χ^2 /NDF: 1326983.6/21

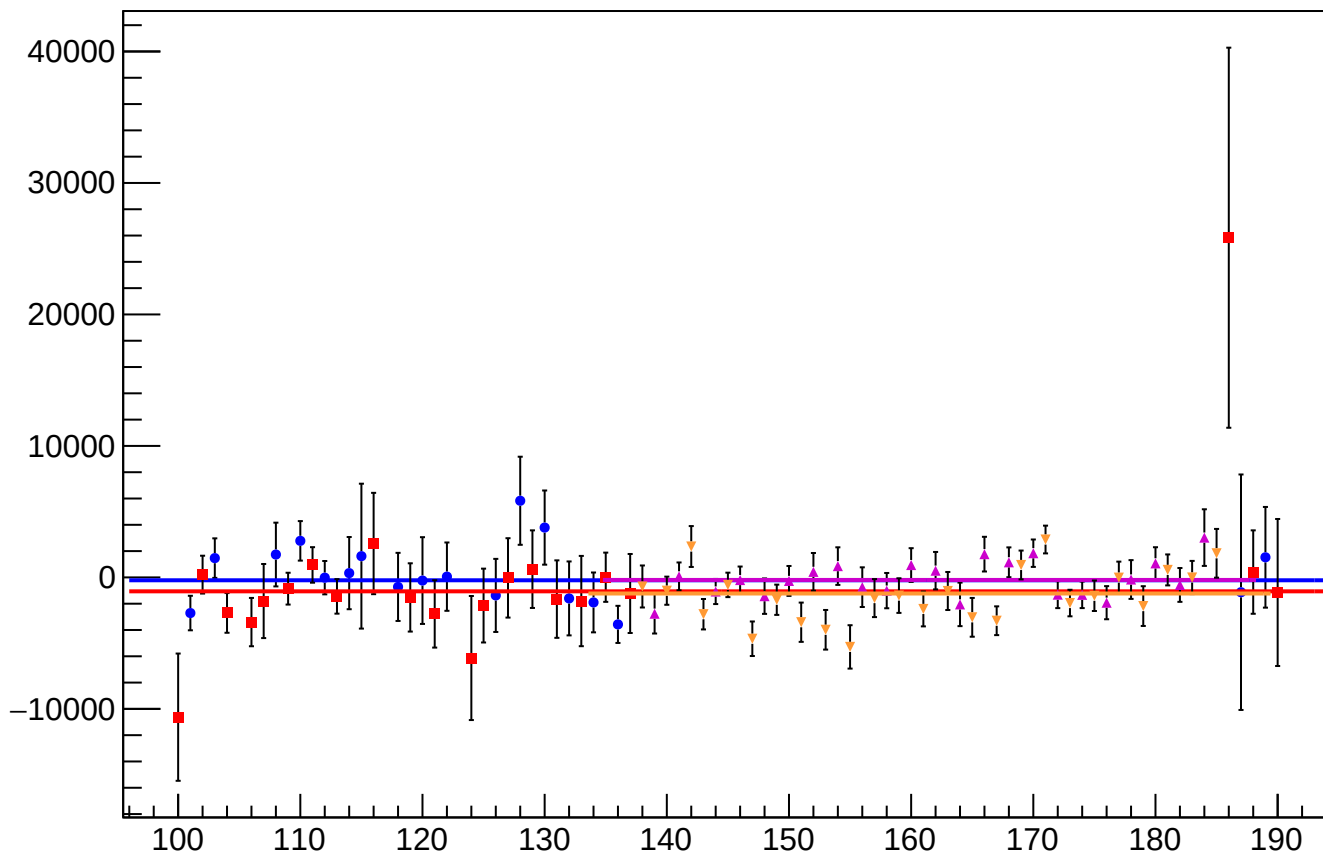
Left In: 144.170 $\pm$ 0.024 χ^2 /NDF: 702713.8/22

+ sign 141.702 $\pm$ 0.019 χ^2 /NDF: 1343636.6/42

All: 141.966 $\pm$ 0.014 χ^2 /NDF: 3392786.8/87

- sign 142.234 $\pm$ 0.020 χ^2 /NDF: 2048781.6/44

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -219.227 ± 496.405 χ^2/NDF : 21.8/17

Left Out: -1225.049 ± 251.767 χ^2/NDF : 59.3/24

Right Out: -1059.853 ± 461.557 χ^2/NDF : 17.1/21

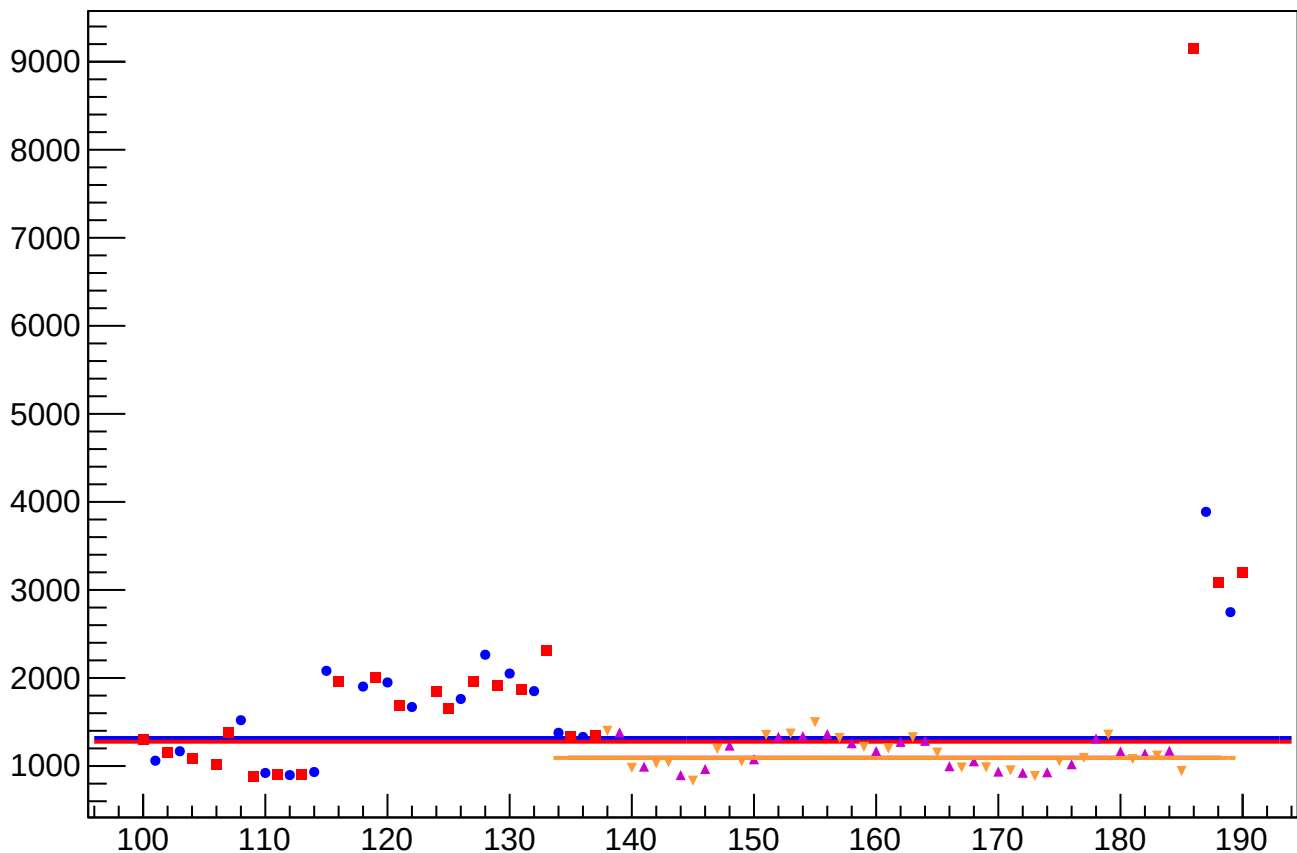
Left In: -193.805 ± 258.922 χ^2/NDF : 23.3/22

+ sign -1019.255 ± 224.539 χ^2/NDF : 84.4/42

All: -711.935 ± 159.223 χ^2/NDF : 131.2/87

- sign -401.107 ± 225.817 χ^2/NDF : 43.1/44

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1318.233+/-0.351 χ^2/NDF : 1622190.1/17

Left Out: 1091.980+/-0.178 χ^2/NDF : 892442.4/24

Right Out: 1276.331+/-0.326 χ^2/NDF : 2897066.2/21

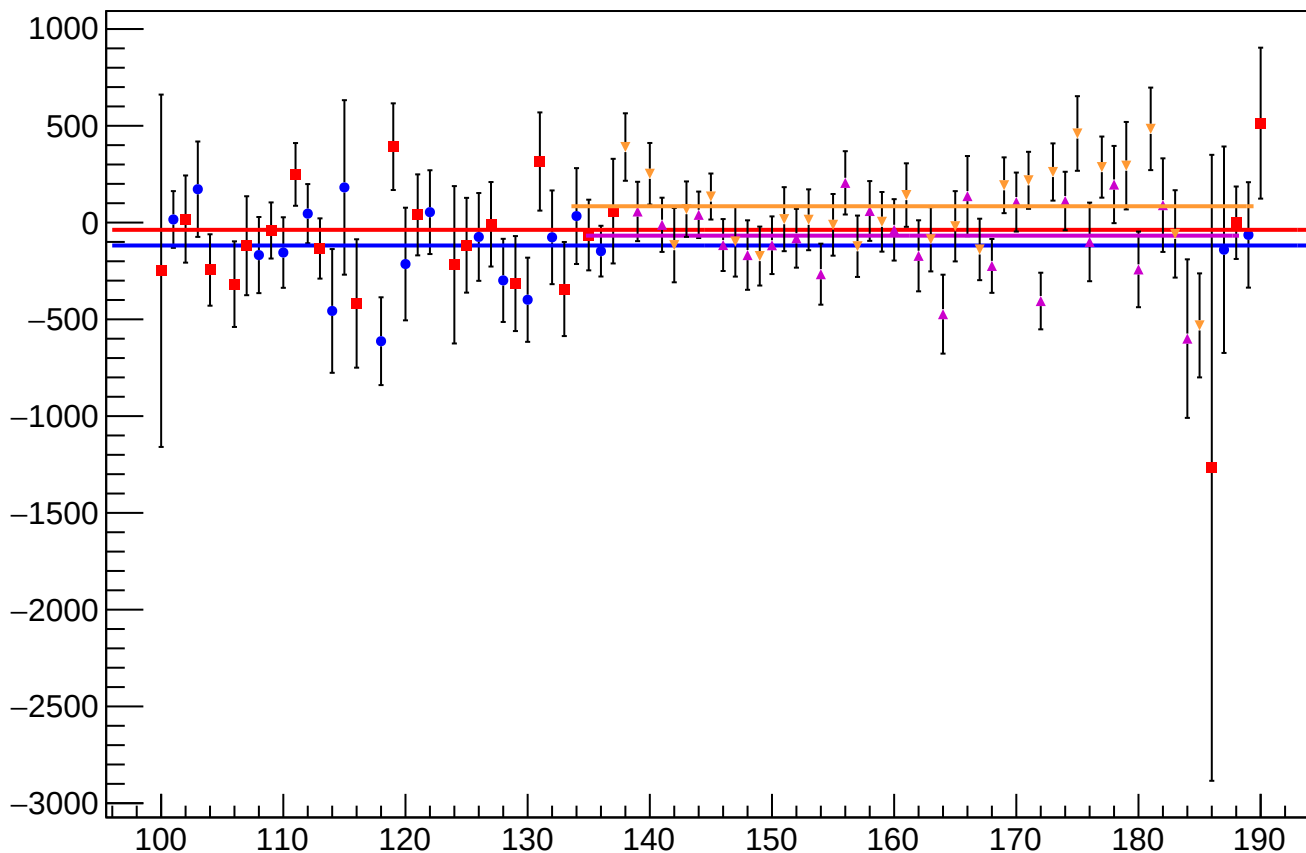
Left In: 1094.478+/-0.183 χ^2/NDF : 732975.2/22

+ sign 1138.271+/-0.159 χ^2/NDF : 2845101.9/42

All: 1138.140+/-0.113 χ^2/NDF : 6711298.8/87

- sign 1138.008+/-0.160 χ^2/NDF : 3866195.5/44

cor_asym_sam_48_avg_mean vs Slug



Right In: -118.447 ± 50.006 $\chi^2/\text{NDF}: 13.5/17$

Left Out: 84.338 ± 33.036 $\chi^2/\text{NDF}: 33.8/24$

Right Out: -37.545 ± 47.847 $\chi^2/\text{NDF}: 19.6/21$

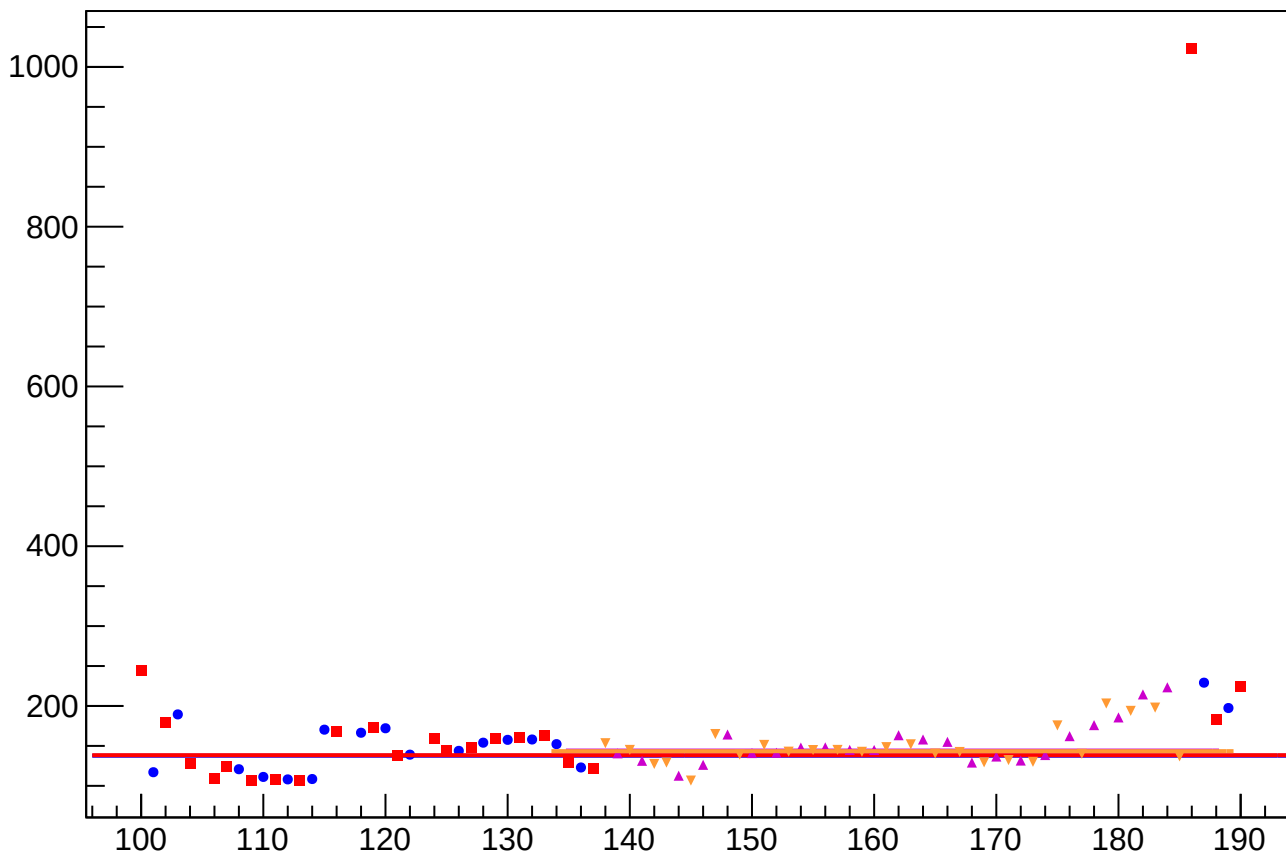
Left In: -67.648 ± 34.137 $\chi^2/\text{NDF}: 26.5/22$

+ sign 22.725 ± 27.564 $\chi^2/\text{NDF}: 58.7/42$

All: -17.057 ± 19.570 $\chi^2/\text{NDF}: 109.3/87$

- sign -57.493 ± 27.789 $\chi^2/\text{NDF}: 46.4/44$

cor_asym_sam_48_avg_rms vs Slug



Right In: 137.712 $\pm$ 0.035 χ^2 /NDF: 578309.5/17

Left Out: 143.444 $\pm$ 0.023 χ^2 /NDF: 747040.9/24

Right Out: 138.365 $\pm$ 0.034 χ^2 /NDF: 1330737.8/21

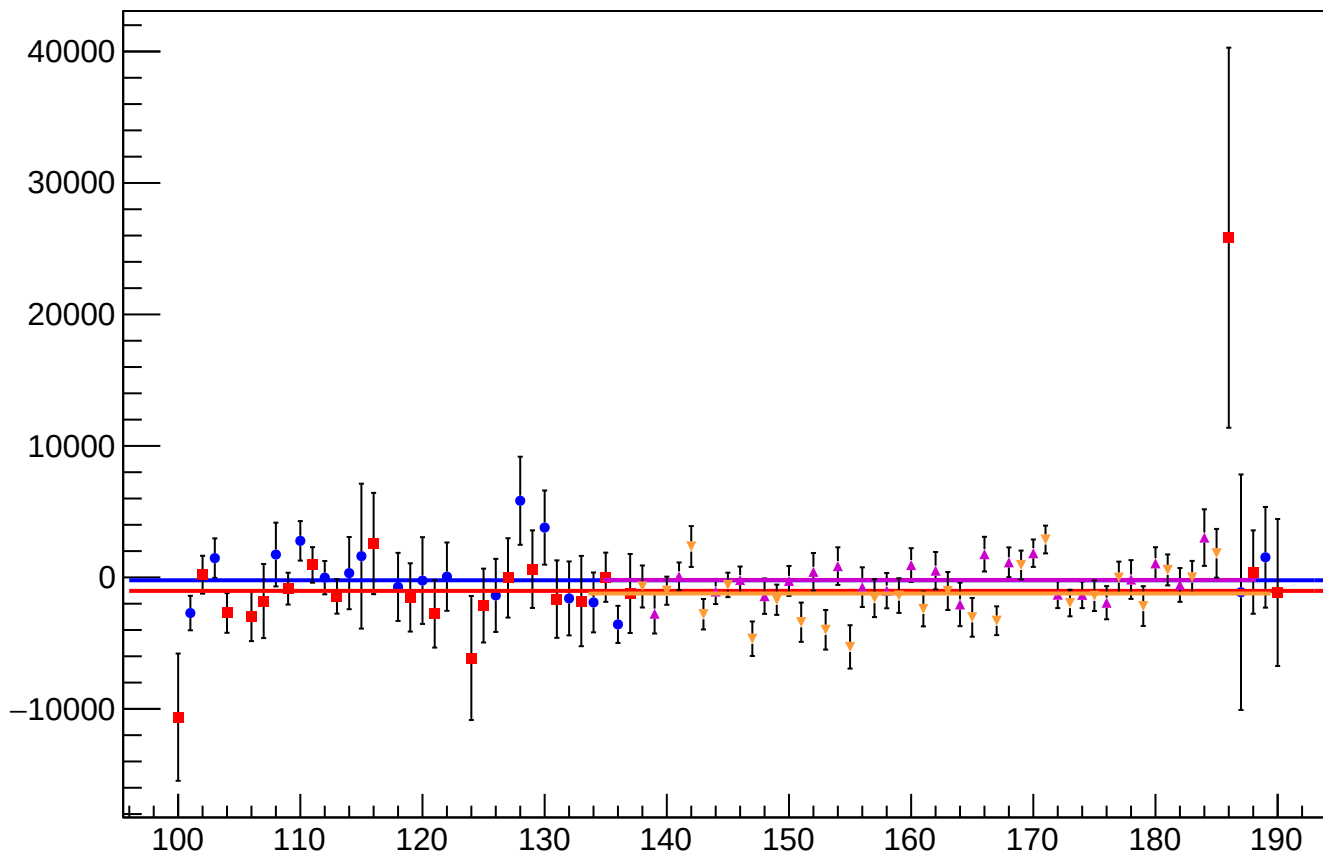
Left In: 144.170 $\pm$ 0.024 χ^2 /NDF: 702713.8/22

+ sign 141.702 $\pm$ 0.019 χ^2 /NDF: 1343639.4/42

All: 141.955 $\pm$ 0.014 χ^2 /NDF: 3396942.8/87

- sign 142.212 $\pm$ 0.020 χ^2 /NDF: 2052963.9/44

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -219.294 ± 496.409 χ^2/NDF : 21.8/17

Left Out: -1225.031 ± 251.767 χ^2/NDF : 59.3/24

Right Out: -1025.326 ± 462.441 χ^2/NDF : 16.5/21

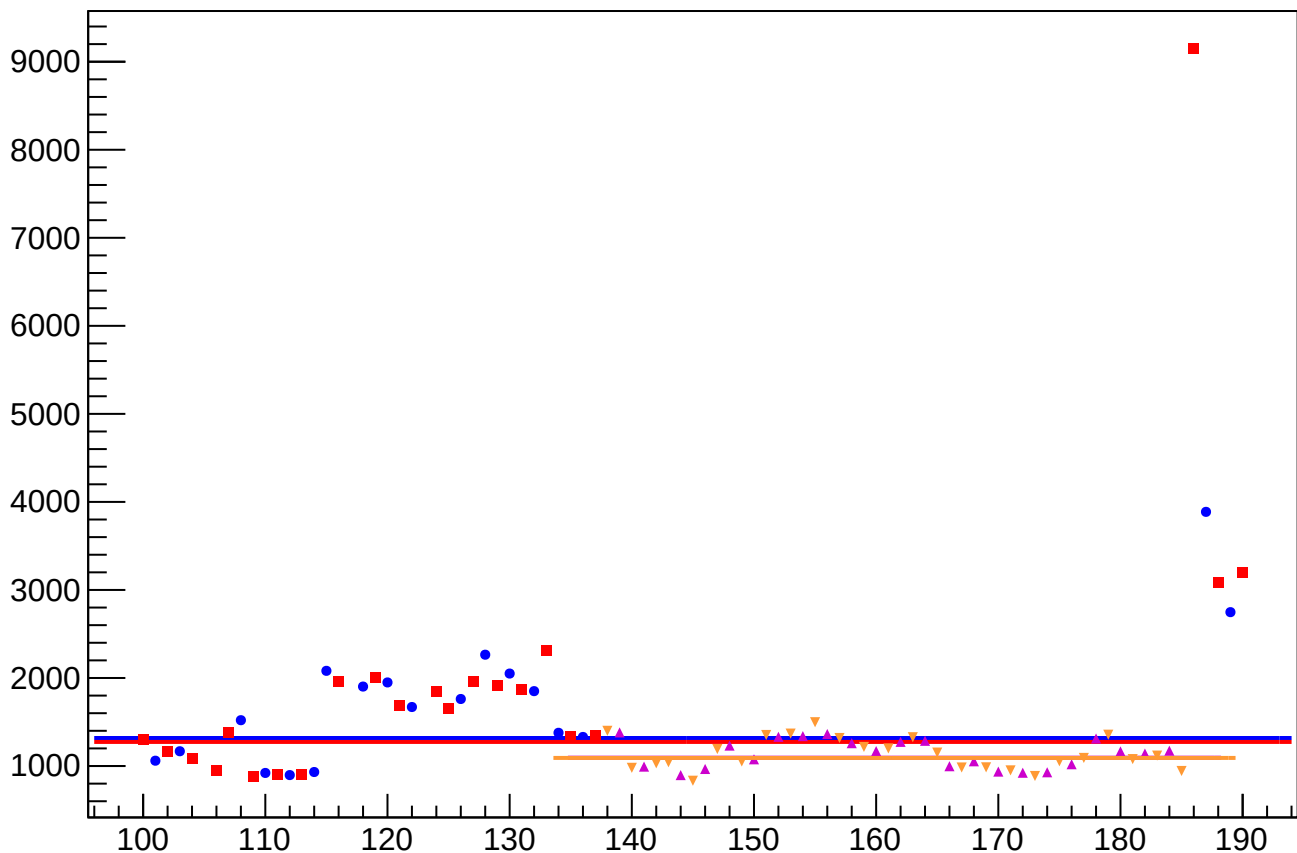
Left In: -193.808 ± 258.922 χ^2/NDF : 23.3/22

+ sign -1019.258 ± 224.539 χ^2/NDF : 84.4/42

All: -707.684 ± 159.259 χ^2/NDF : 130.4/87

- sign -392.266 ± 225.920 χ^2/NDF : 42.2/44

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1318.247+/-0.351 χ^2 /NDF: 1622158.1/17

Left Out: 1091.979+/-0.178 χ^2 /NDF: 892441.9/24

Right Out: 1273.690+/-0.327 χ^2 /NDF: 2914577.4/21

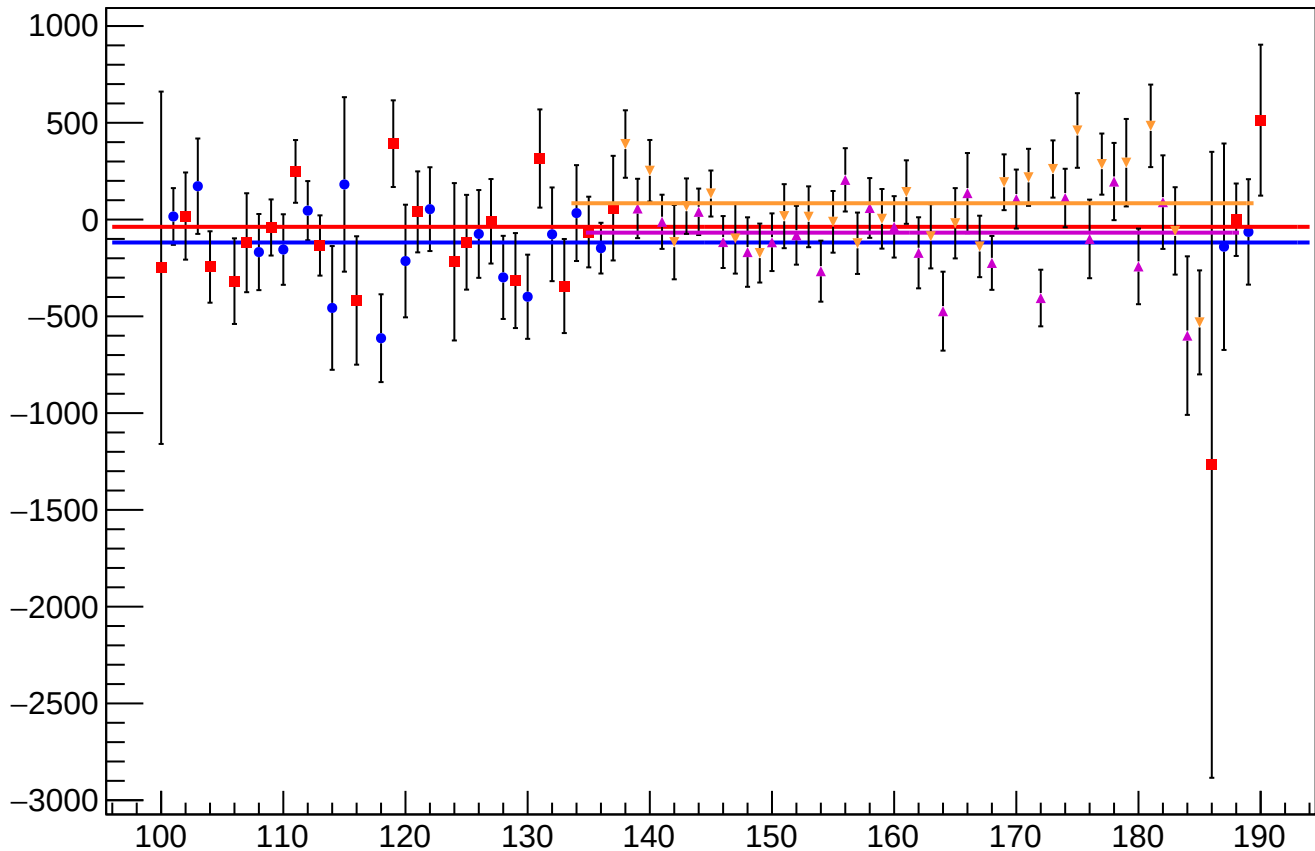
Left In: 1094.479+/-0.183 χ^2 /NDF: 732975.7/22

+ sign 1138.274+/-0.159 χ^2 /NDF: 2845105.5/42

All: 1137.765+/-0.113 χ^2 /NDF: 6721356.3/87

- sign 1137.251+/-0.160 χ^2 /NDF: 3876230.2/44

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -118.447 ± 50.006 $\chi^2/\text{NDF}: 13.5/17$

Left Out: 84.338 ± 33.036 $\chi^2/\text{NDF}: 33.8/24$

Right Out: -37.545 ± 47.847 $\chi^2/\text{NDF}: 19.6/21$

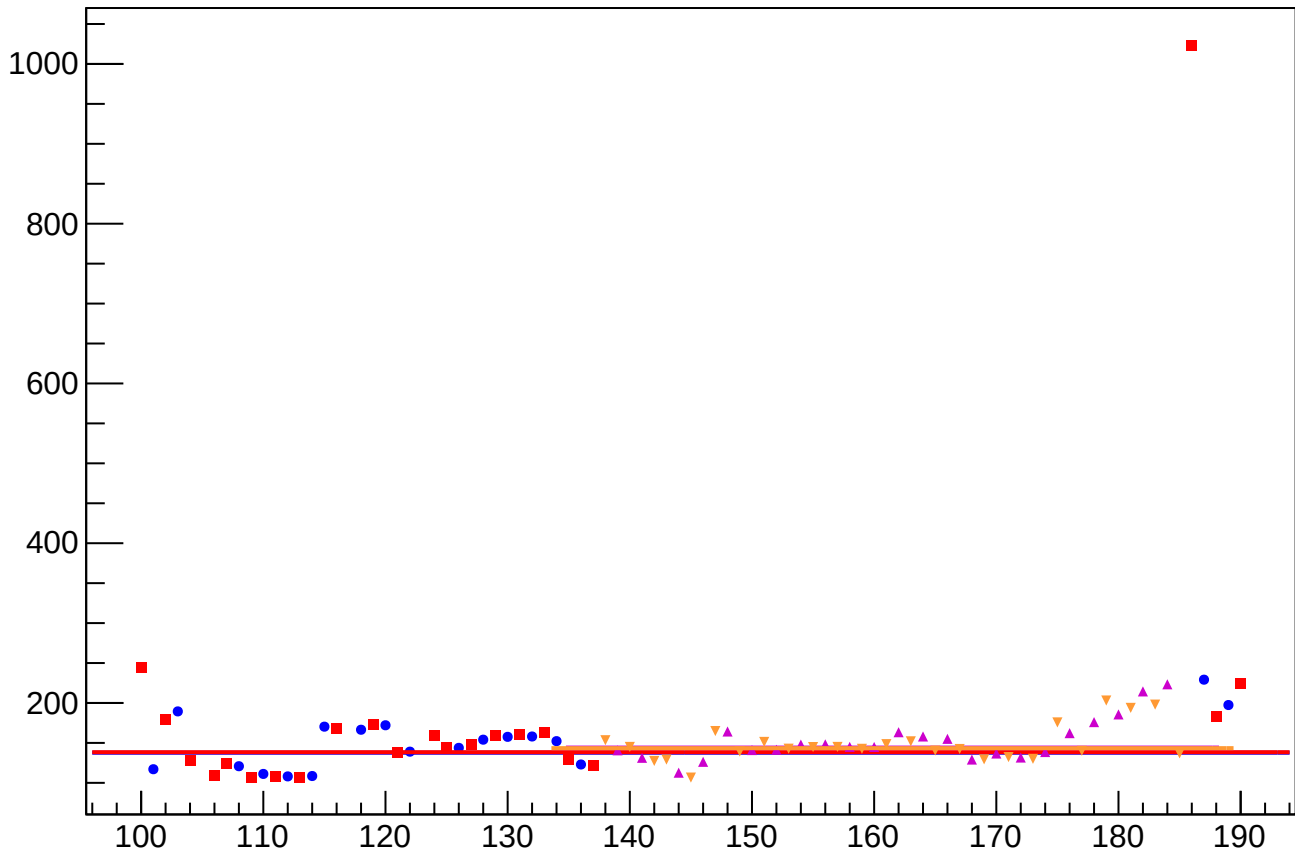
Left In: -67.648 ± 34.137 $\chi^2/\text{NDF}: 26.5/22$

+ sign 22.725 ± 27.564 $\chi^2/\text{NDF}: 58.7/42$

All: -17.057 ± 19.570 $\chi^2/\text{NDF}: 109.3/87$

- sign -57.493 ± 27.789 $\chi^2/\text{NDF}: 46.4/44$

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 137.712 $\pm$ 0.035 χ^2 /NDF: 578309.5/17

Left Out: 143.444 $\pm$ 0.023 χ^2 /NDF: 747040.9/24

Right Out: 138.365 $\pm$ 0.034 χ^2 /NDF: 1330737.8/21

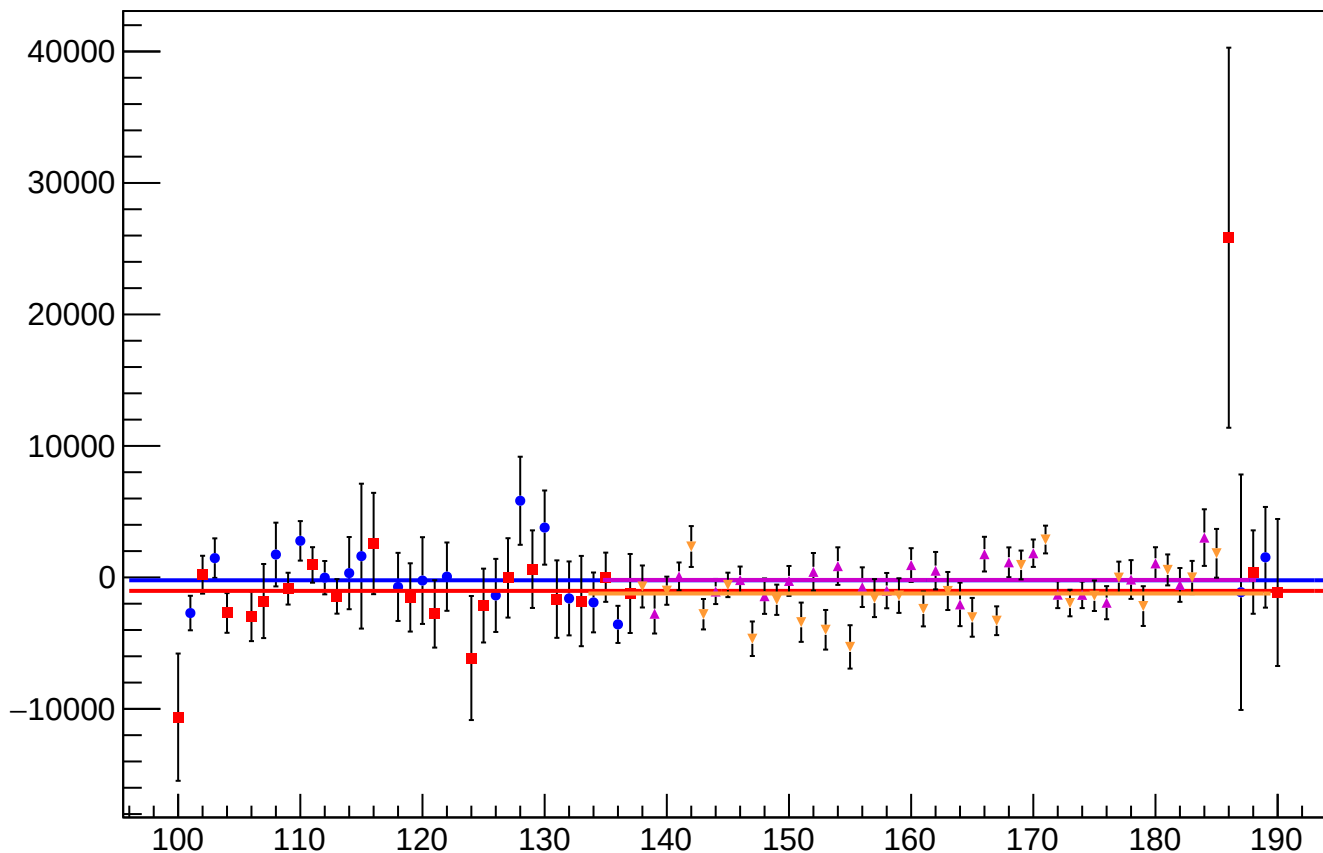
Left In: 144.170 $\pm$ 0.024 χ^2 /NDF: 702713.8/22

+ sign 141.702 $\pm$ 0.019 χ^2 /NDF: 1343639.4/42

All: 141.955 $\pm$ 0.014 χ^2 /NDF: 3396942.8/87

- sign 142.212 $\pm$ 0.020 χ^2 /NDF: 2052963.9/44

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -219.294 ± 496.409 χ^2/NDF : 21.8/17

Left Out: -1225.031 ± 251.767 χ^2/NDF : 59.3/24

Right Out: -1025.326 ± 462.441 χ^2/NDF : 16.5/21

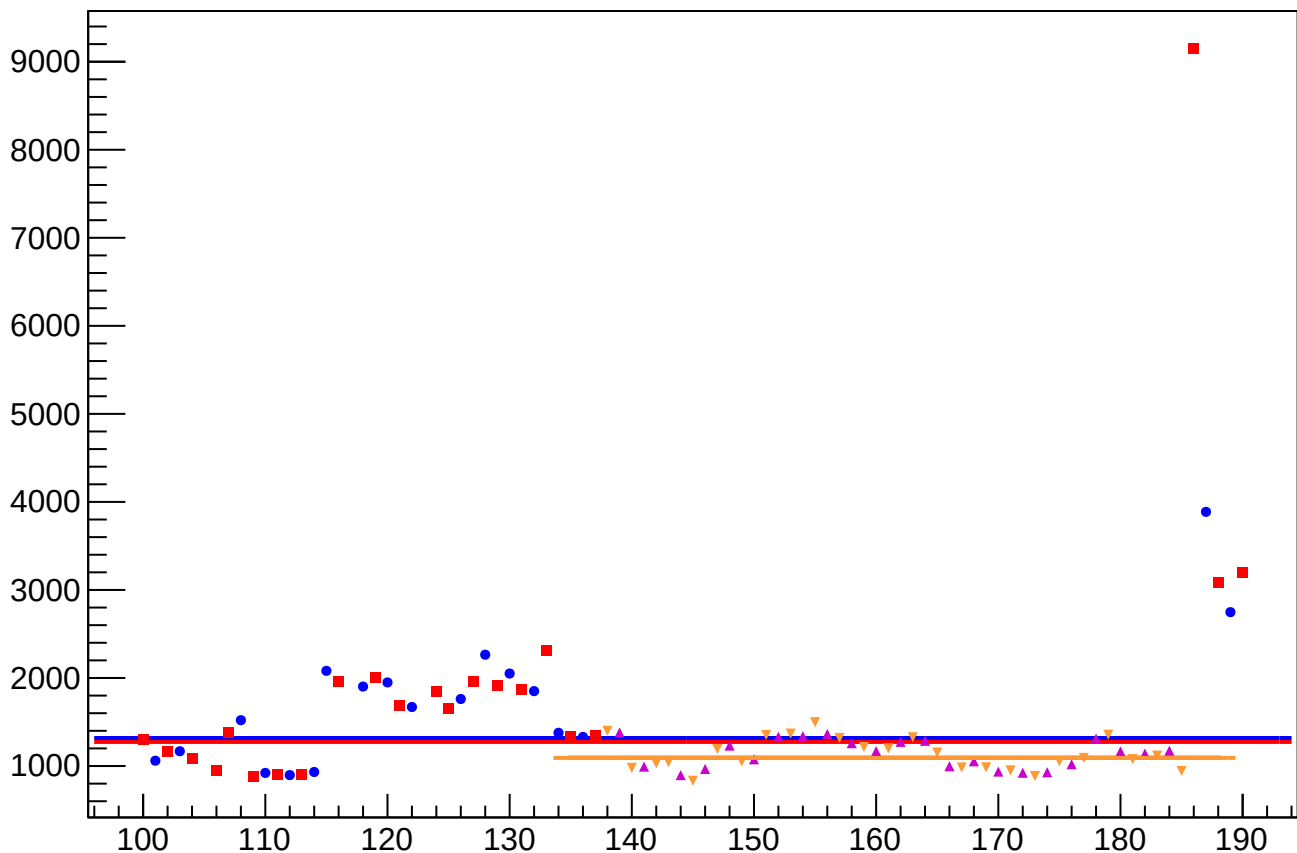
Left In: -193.808 ± 258.922 χ^2/NDF : 23.3/22

+ sign -1019.258 ± 224.539 χ^2/NDF : 84.4/42

All: -707.684 ± 159.259 χ^2/NDF : 130.4/87

- sign -392.266 ± 225.920 χ^2/NDF : 42.2/44

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1318.247 $\pm$ 0.351 χ^2 /NDF: 1622158.1/17

Left Out: 1091.979 $\pm$ 0.178 χ^2 /NDF: 892441.9/24

Right Out: 1273.690 $\pm$ 0.327 χ^2 /NDF: 2914577.4/21

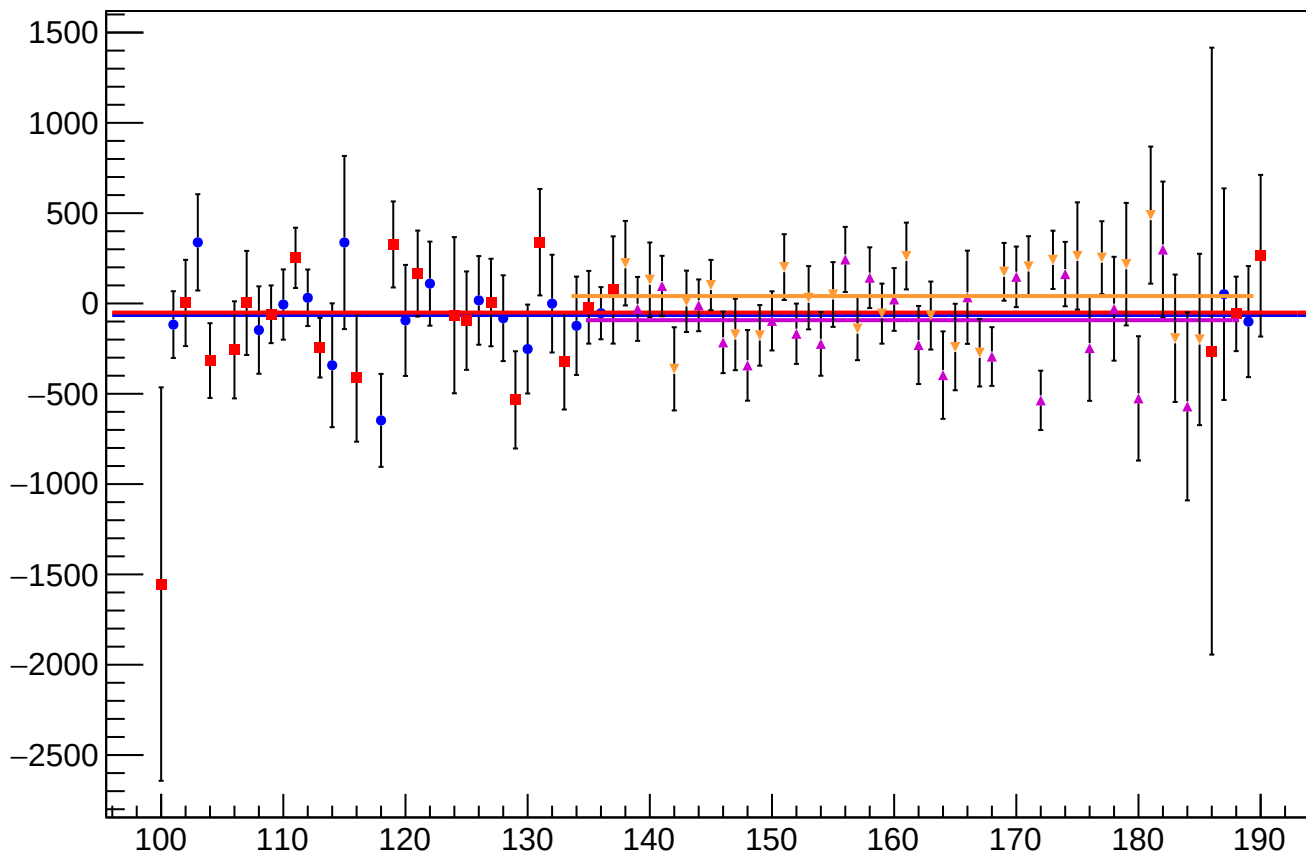
Left In: 1094.479 $\pm$ 0.183 χ^2 /NDF: 732975.7/22

+ sign 1138.274 $\pm$ 0.159 χ^2 /NDF: 2845105.5/42

All: 1137.765 $\pm$ 0.113 χ^2 /NDF: 6721356.3/87

- sign 1137.251 $\pm$ 0.160 χ^2 /NDF: 3876230.2/44

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.937 ± 55.541 χ^2/NDF : 10.9/17

Left Out: 41.086 ± 39.177 χ^2/NDF : 22.3/24

Right Out: -50.333 ± 52.518 χ^2/NDF : 20.0/21

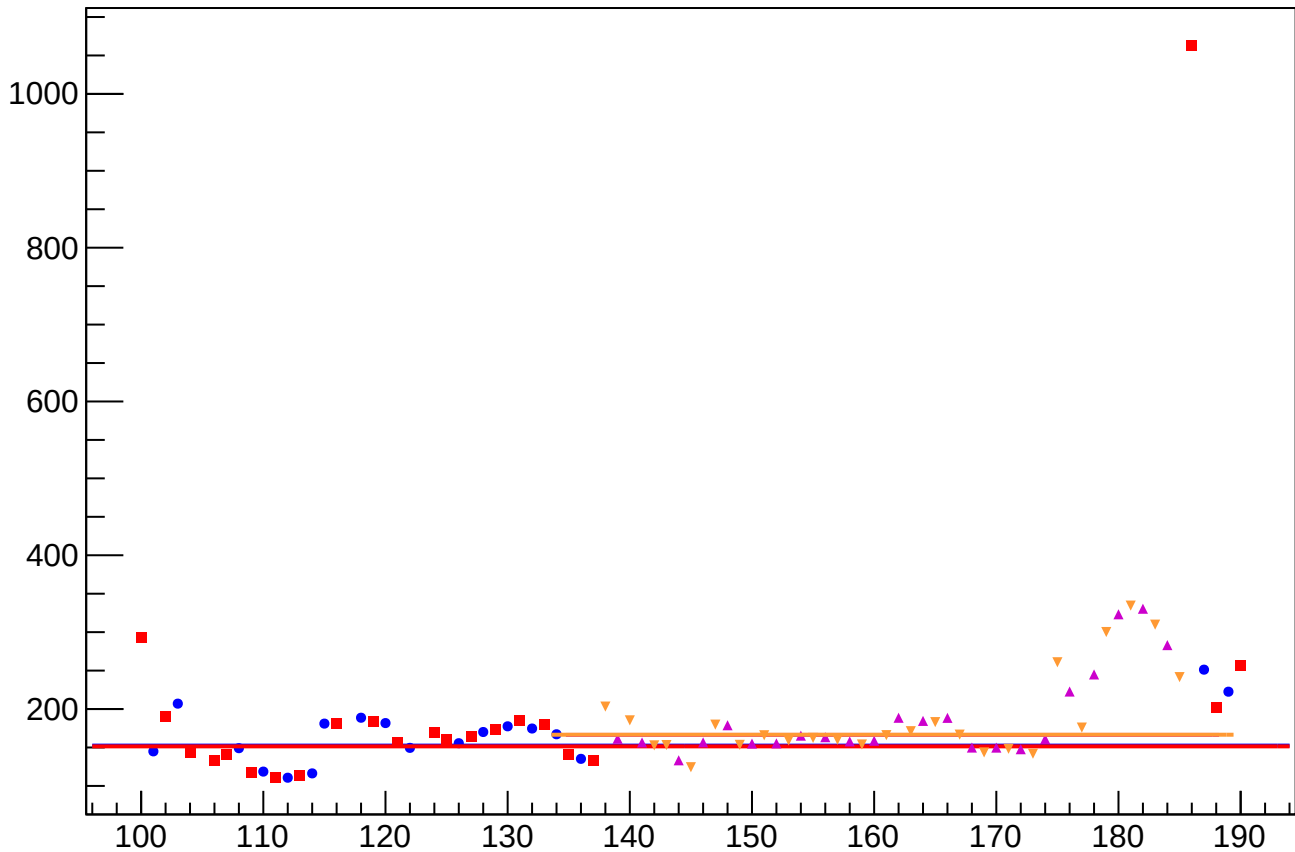
Left In: -92.556 ± 40.165 χ^2/NDF : 29.5/22

+ sign 6.193 ± 32.014 χ^2/NDF : 35.6/42

All: -35.533 ± 22.598 χ^2/NDF : 88.9/87

- sign -76.974 ± 31.904 χ^2/NDF : 49.9/44

dit_asym_sam_48_avg_rms vs Slug



Right In: 152.443 $\pm$ 0.039 χ^2 /NDF: 618642.9/17

Left Out: 166.599 $\pm$ 0.028 χ^2 /NDF: 1719835.6/24

Right Out: 151.458 $\pm$ 0.037 χ^2 /NDF: 1365824.8/21

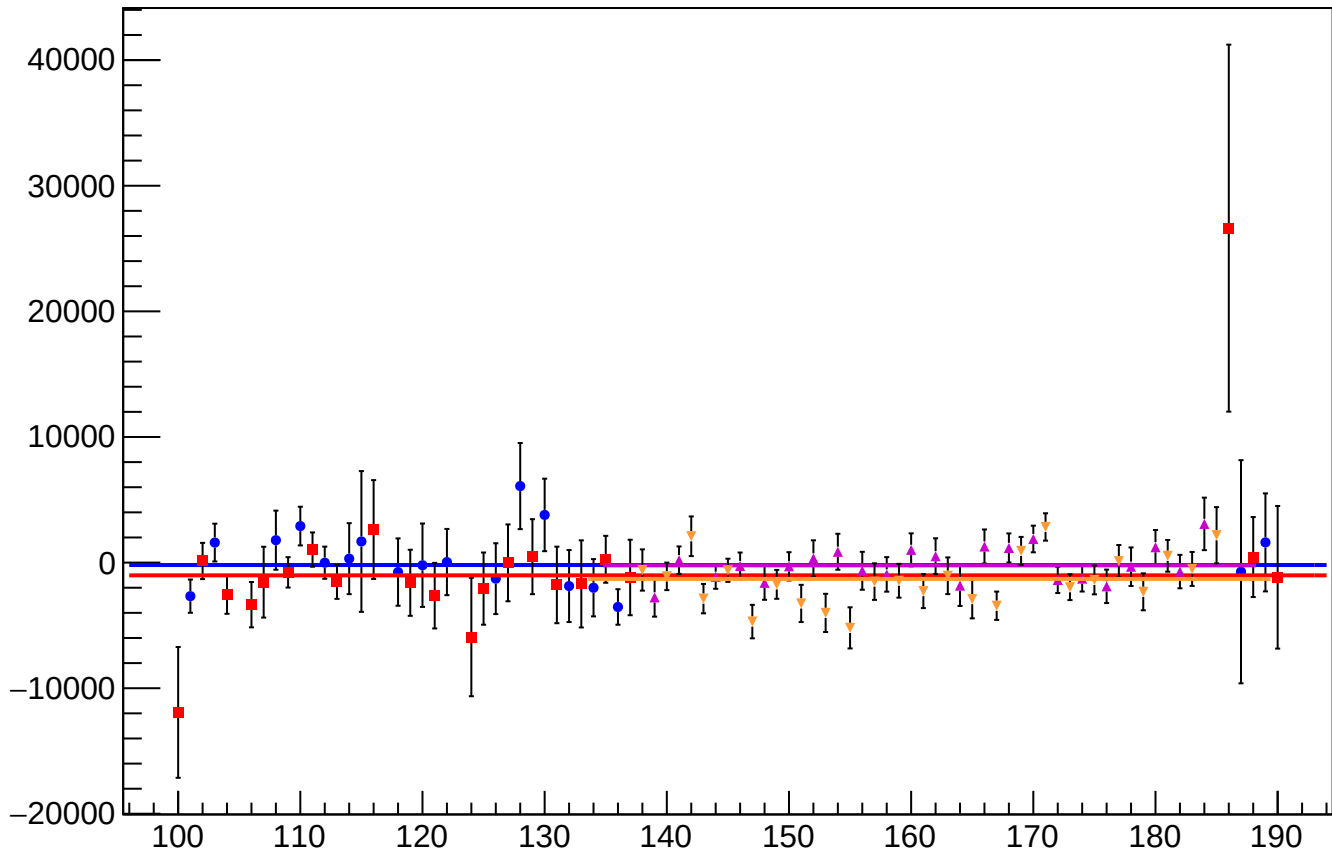
Left In: 166.308 $\pm$ 0.028 χ^2 /NDF: 1392466.3/22

+ sign 161.895 $\pm$ 0.023 χ^2 /NDF: 2425232.9/42

All: 161.360 $\pm$ 0.016 χ^2 /NDF: 5285532.7/87

- sign 160.828 $\pm$ 0.023 χ^2 /NDF: 2859183.7/44

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -192.644 $\pm$ 501.193 χ^2/NDF : 22.1/17

Left Out: -1298.333 $\pm$ 256.961 χ^2/NDF : 55.1/24

Right Out: -1014.414 $\pm$ 465.873 χ^2/NDF : 17.4/21

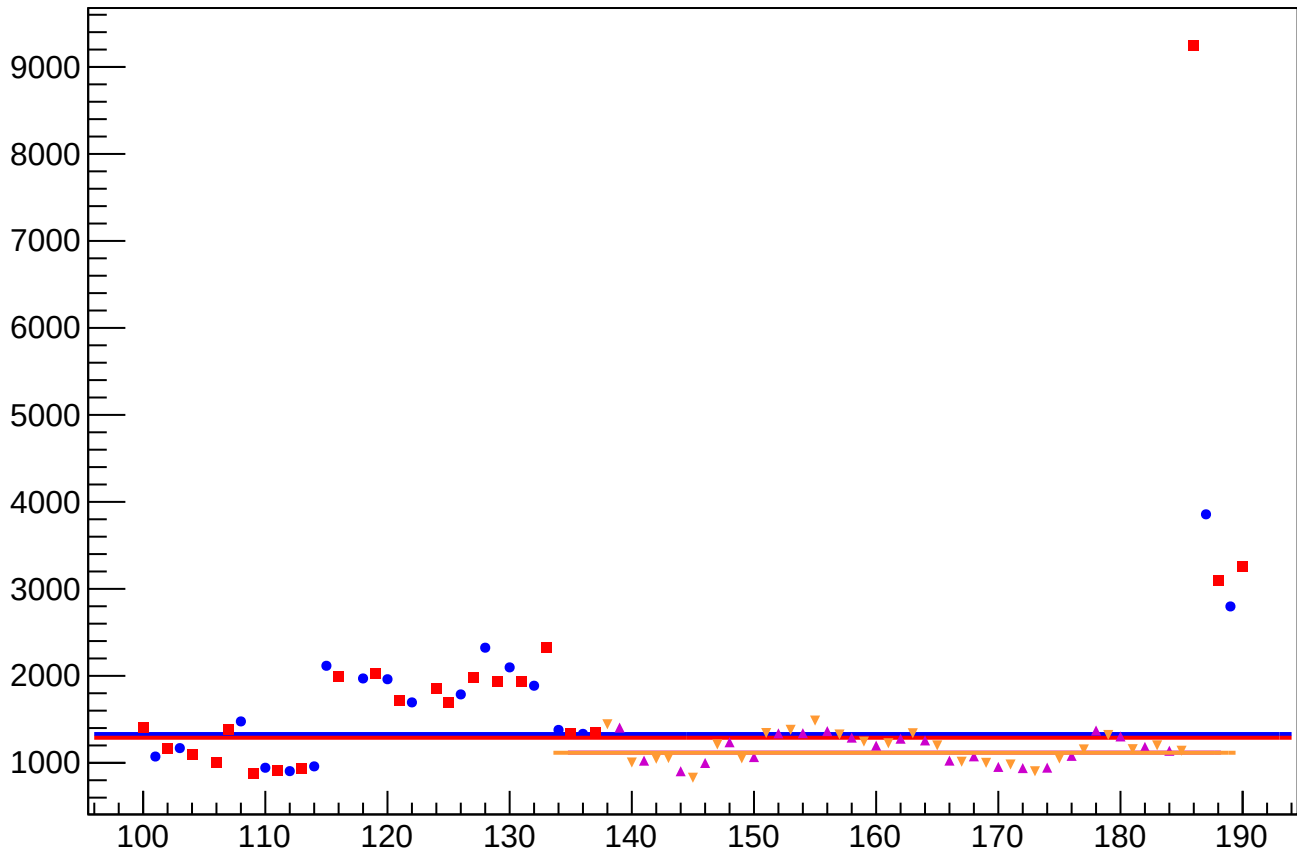
Left In: -217.285 $\pm$ 264.388 χ^2/NDF : 22.2/22

+ sign -1068.187 $\pm$ 228.660 χ^2/NDF : 81.0/42

All: -741.664 $\pm$ 162.138 χ^2/NDF : 127.0/87

- sign -411.474 $\pm$ 229.940 χ^2/NDF : 41.9/44

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1331.195+/-0.354 χ^2/NDF : 1635092.5/17

Left Out: 1116.034+/-0.182 χ^2/NDF : 867489.3/24

Right Out: 1288.551+/-0.329 χ^2/NDF : 2916520.6/21

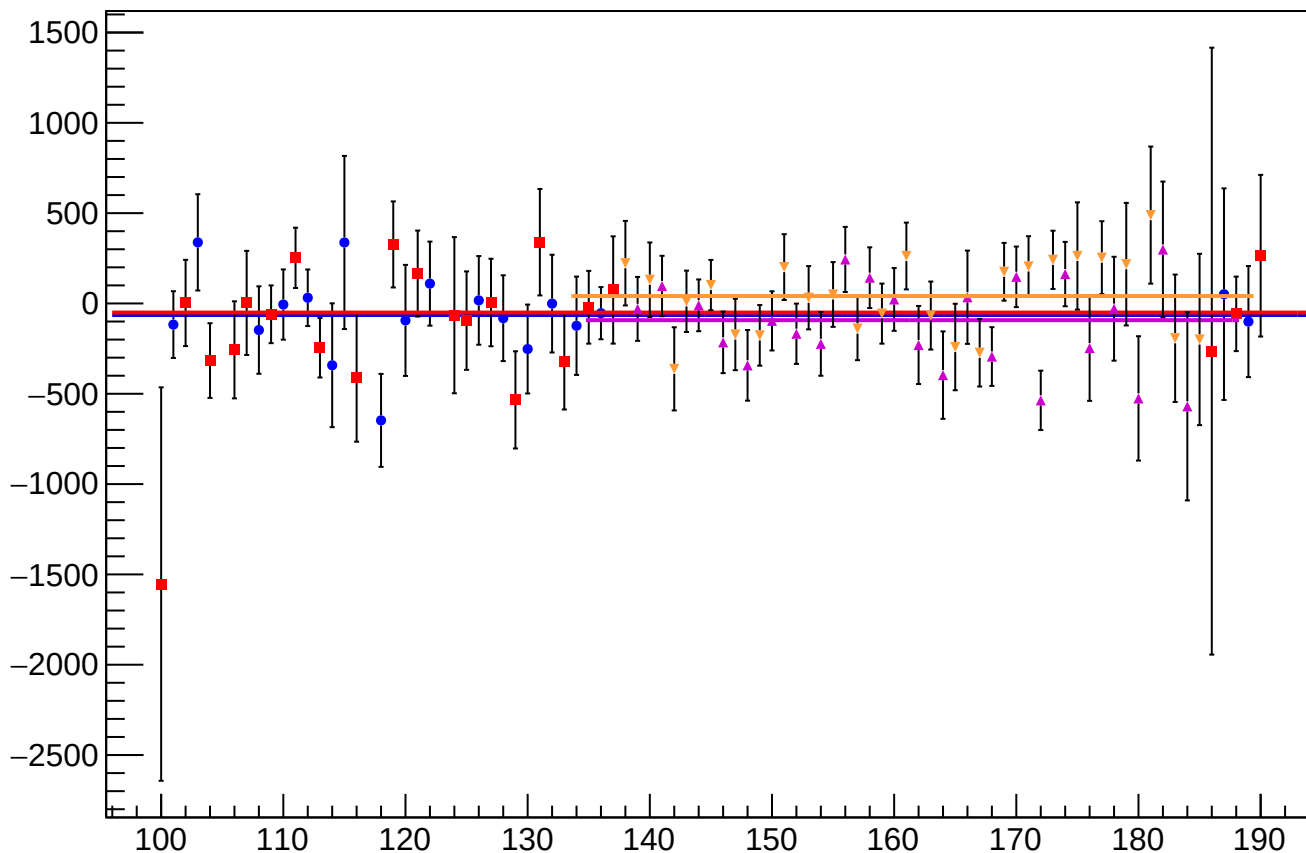
Left In: 1117.831+/-0.187 χ^2/NDF : 729387.1/22

+ sign 1160.819+/-0.162 χ^2/NDF : 2794454.5/42

All: 1160.123+/-0.115 χ^2/NDF : 6643546.4/87

- sign 1159.420+/-0.163 χ^2/NDF : 3849054.7/44

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.934 ± 55.541 χ^2/NDF : 10.9/17

Left Out: 41.088 ± 39.177 χ^2/NDF : 22.3/24

Right Out: -50.334 ± 52.518 χ^2/NDF : 20.0/21

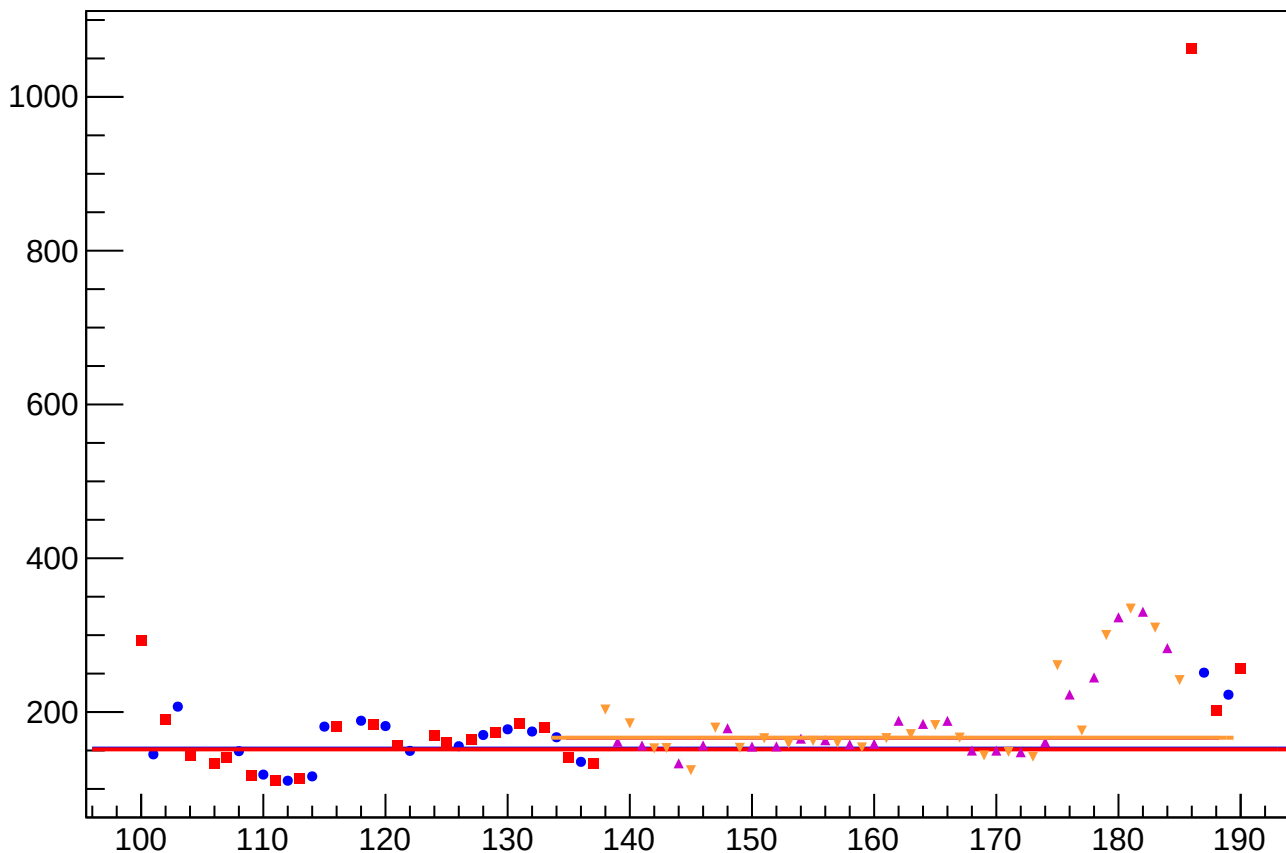
Left In: -92.556 ± 40.165 χ^2/NDF : 29.5/22

+ sign 6.195 ± 32.014 χ^2/NDF : 35.6/42

All: -35.532 ± 22.598 χ^2/NDF : 88.9/87

- sign -76.974 ± 31.904 χ^2/NDF : 49.9/44

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 152.443 $\pm$ 0.039 χ^2 /NDF: 618642.1/17

Left Out: 166.599 $\pm$ 0.028 χ^2 /NDF: 1719829.4/24

Right Out: 151.458 $\pm$ 0.037 χ^2 /NDF: 1365828.2/21

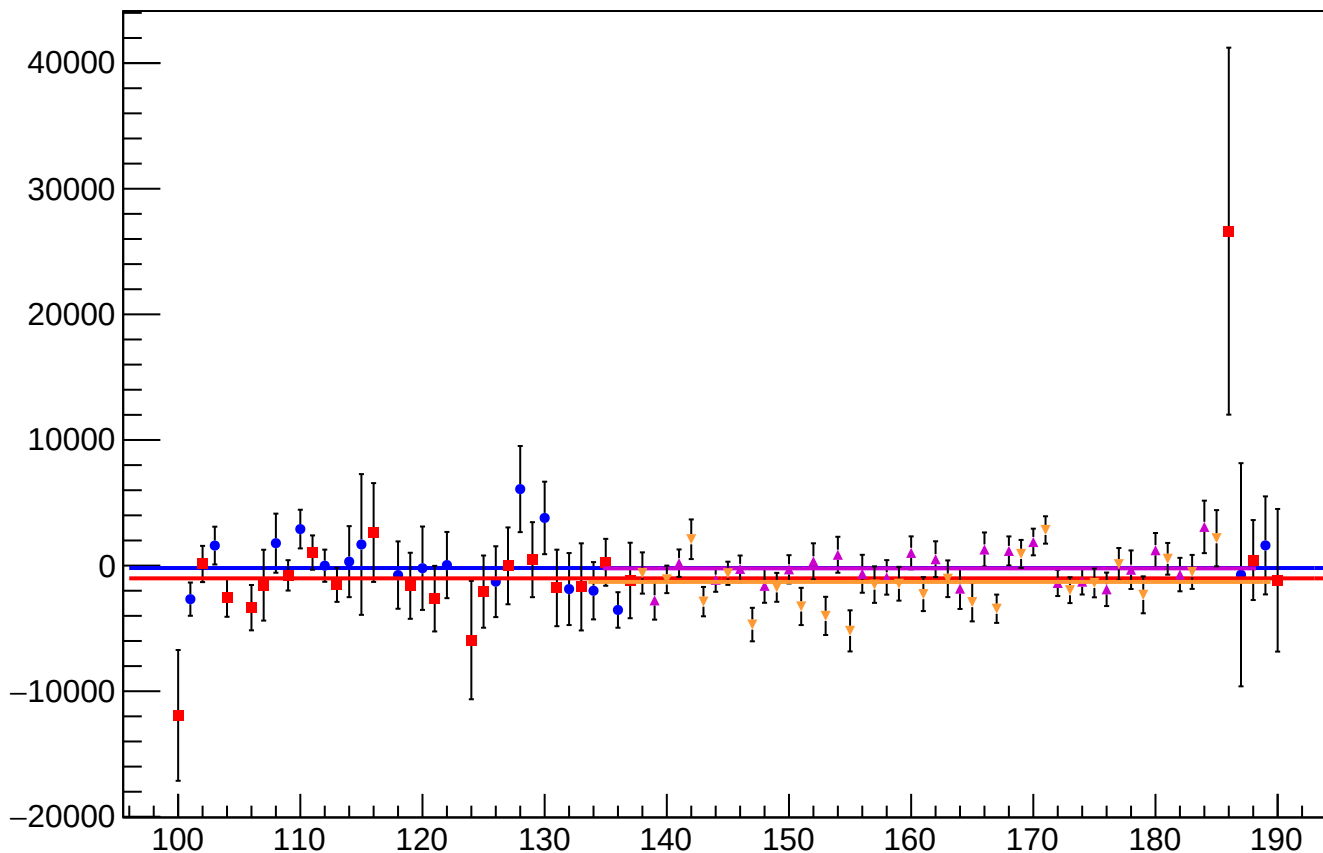
Left In: 166.308 $\pm$ 0.028 χ^2 /NDF: 1392446.1/22

+ sign 161.896 $\pm$ 0.023 χ^2 /NDF: 2425229.3/42

All: 161.360 $\pm$ 0.016 χ^2 /NDF: 5285516.1/87

- sign 160.828 $\pm$ 0.023 χ^2 /NDF: 2859170.7/44

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -192.643 ± 501.193 $\chi^2/\text{NDF}: 22.1/17$

Left Out: -1298.330 ± 256.961 $\chi^2/\text{NDF}: 55.1/24$

Right Out: -1014.413 ± 465.872 $\chi^2/\text{NDF}: 17.4/21$

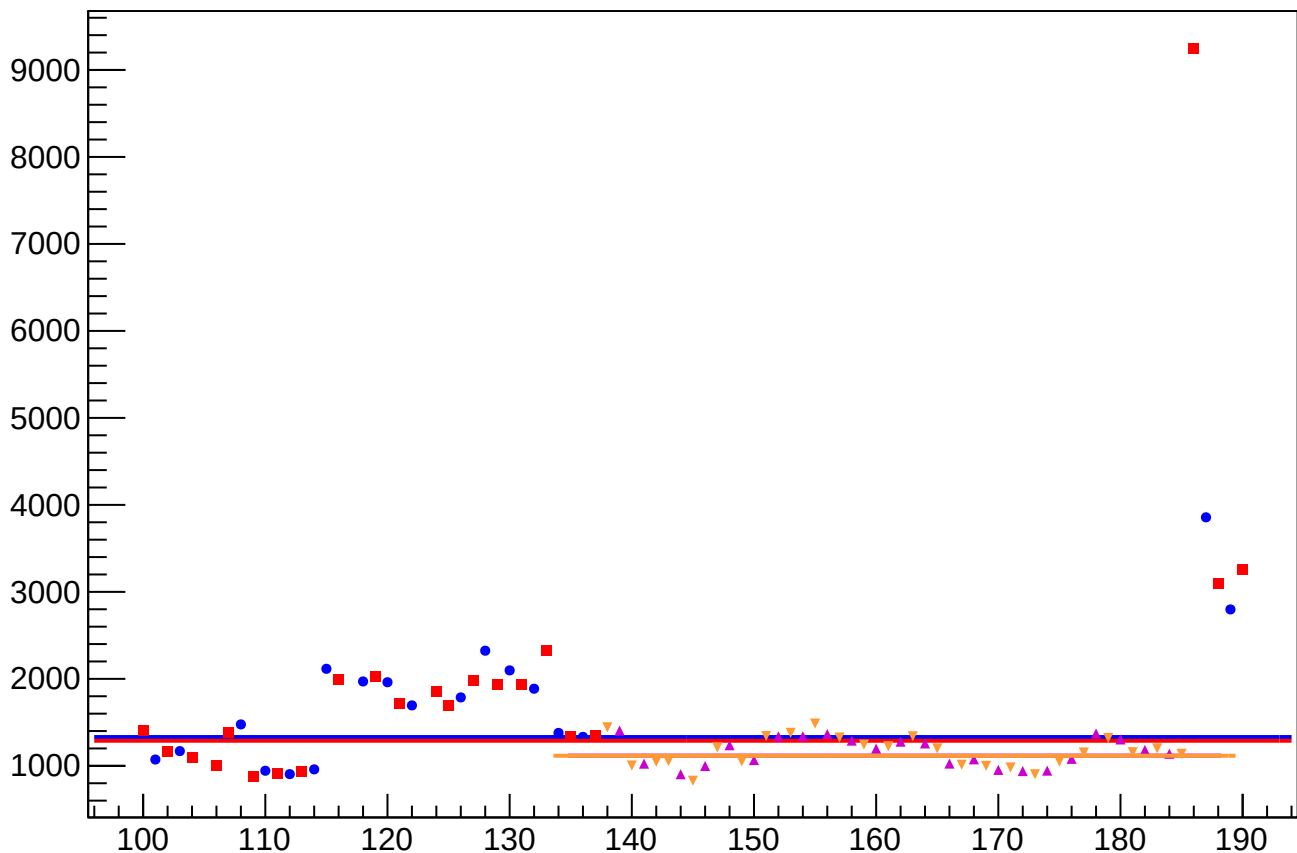
Left In: -217.283 ± 264.388 $\chi^2/\text{NDF}: 22.2/22$

+ sign -1068.185 ± 228.660 $\chi^2/\text{NDF}: 81.0/42$

All: -741.662 ± 162.137 $\chi^2/\text{NDF}: 127.0/87$

- sign -411.472 ± 229.940 $\chi^2/\text{NDF}: 41.9/44$

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1331.194+/-0.354 χ^2/NDF : 1635096.0/17

Left Out: 1116.032+/-0.182 χ^2/NDF : 867491.2/24

Right Out: 1288.550+/-0.329 χ^2/NDF : 2916521.6/21

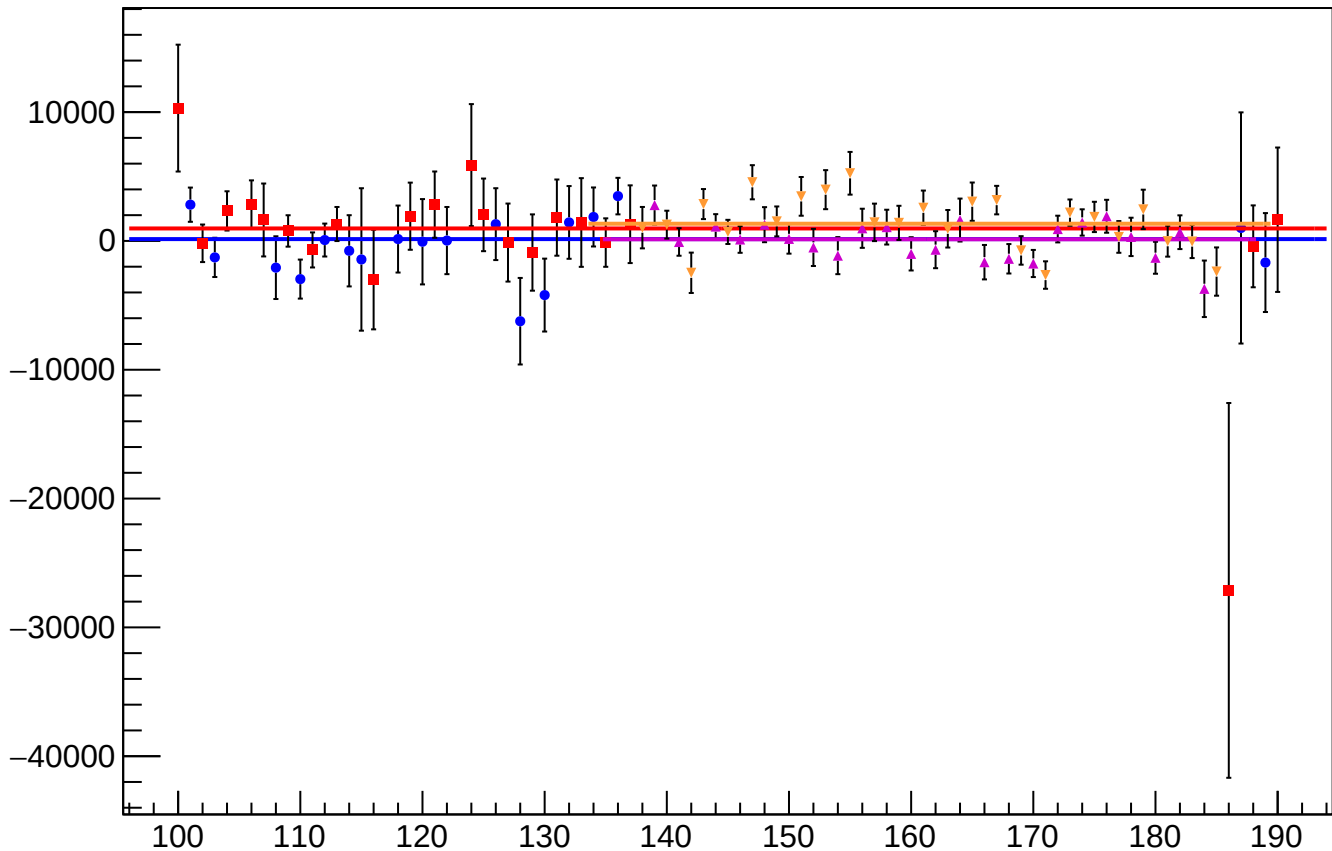
Left In: 1117.829+/-0.187 χ^2/NDF : 729386.0/22

+ sign 1160.817+/-0.162 χ^2/NDF : 2794462.0/42

All: 1160.122+/-0.115 χ^2/NDF : 6643555.6/87

- sign 1159.418+/-0.163 χ^2/NDF : 3849056.4/44

asym_sam_48_avg_mean vs Slug



Right In: 142.272 $\pm$ 500.042 χ^2 /NDF: 22.8/17

Left Out: 1334.704 $\pm$ 254.187 χ^2 /NDF:55.7/24

Right Out: 968.313 $\pm$ 465.039 χ^2 /NDF: 15.5/21

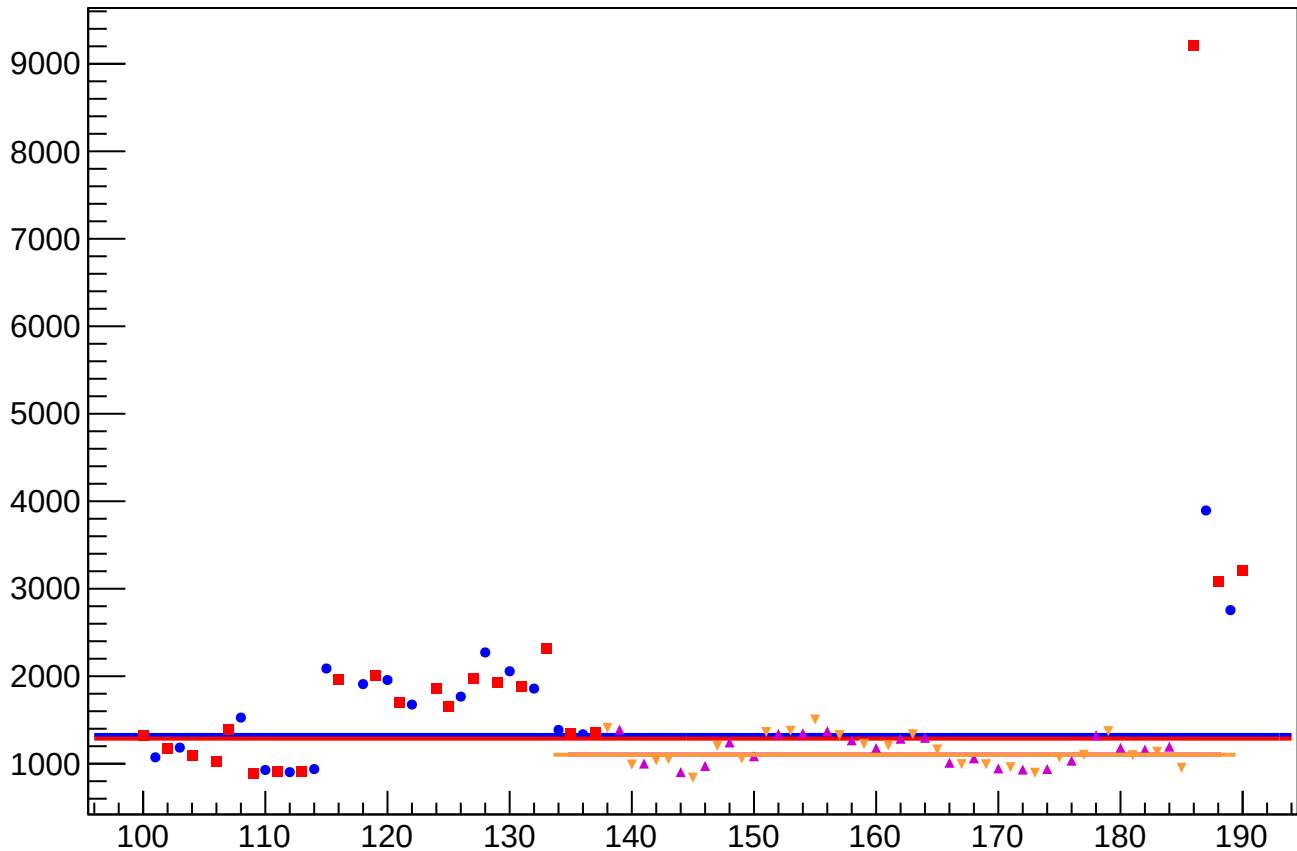
Left In: 128.368 $\pm$ 261.415 χ^2 /NDF:24.0/22

+ sign 1089.849 $\pm$ 226.592 χ^2 /NDF: 83.0/42

All: 712.104 $\pm$ 160.678 χ^2 /NDF: 130.6/87

- sign 330.055 $\pm$ 227.879 χ^2 /NDF: 42.0/44

asym_sam_48_avg_rms vs Slug



Right In: 1328.811+/-0.354 χ^2/NDF : 1602283.5/17

Left Out: 1102.700+/-0.180 χ^2/NDF : 880468.6/24

+ sign 1149.130+/-0.160 χ^2/NDF : 2807718.8/42

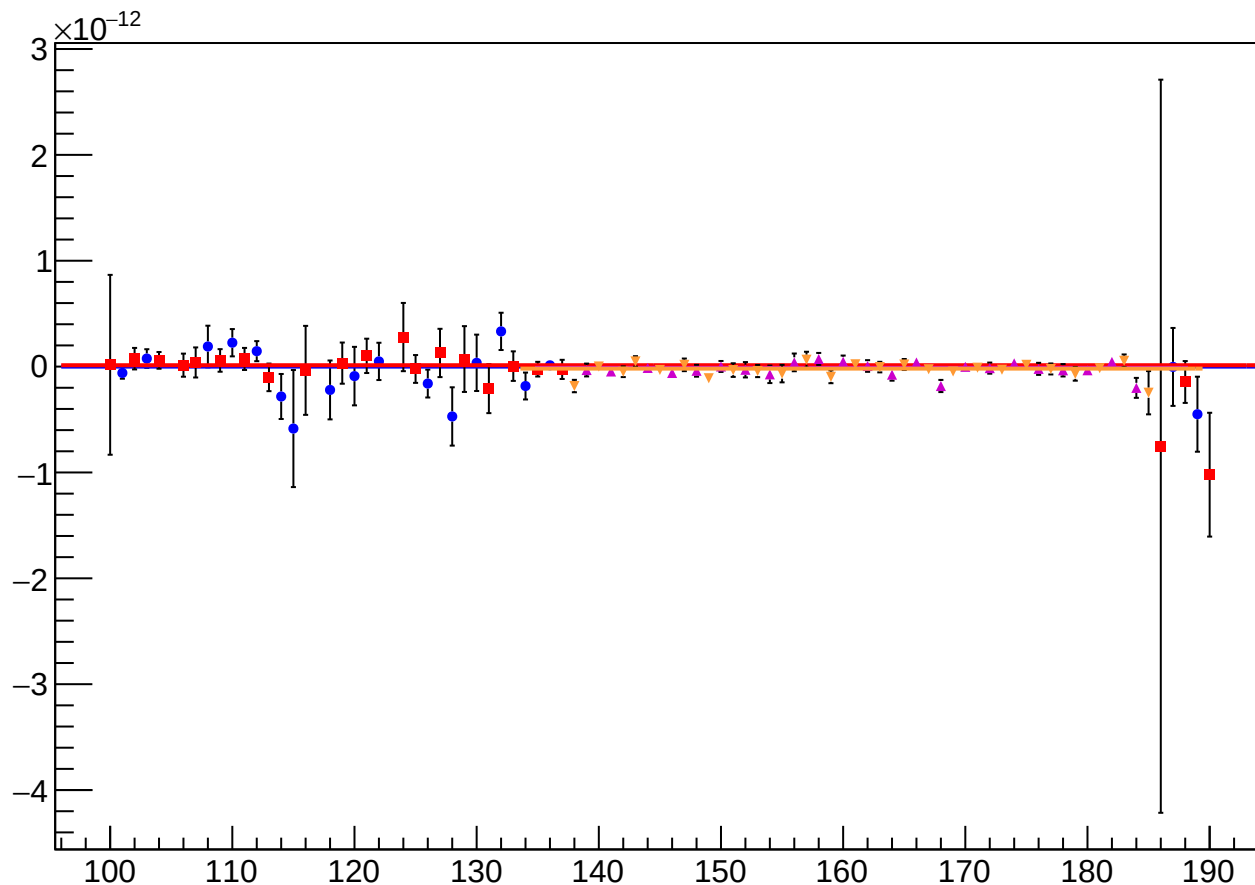
Right Out: 1286.530+/-0.329 χ^2/NDF : 2874858.8/21

All: 1148.936+/-0.114 χ^2/NDF : 6636952.4/87

Left In: 1105.200+/-0.185 χ^2/NDF : 723304.5/22

- sign 1148.741+/-0.161 χ^2/NDF : 3829230.7/44

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 23.8/17

Left Out: -0.000+/-0.000 χ^2/NDF : 26.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8.6/21

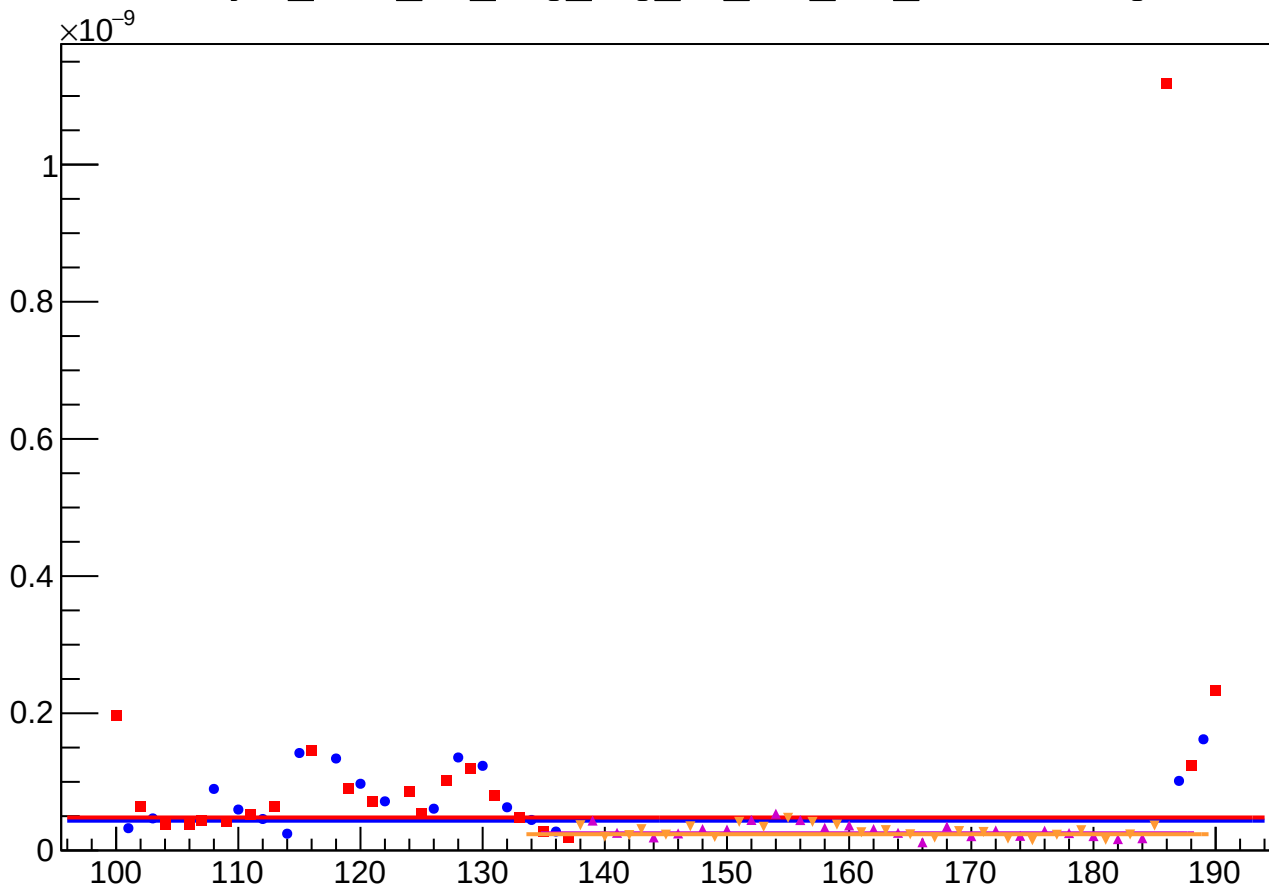
Left In: -0.000+/-0.000 χ^2/NDF : 27.1/22

+ sign -0.000+/-0.000 χ^2/NDF : 50.7/42

All: -0.000+/-0.000 χ^2/NDF : 87.5/87

- sign -0.000+/-0.000 χ^2/NDF : 36.4/44

asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1618105.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1810528.8/21

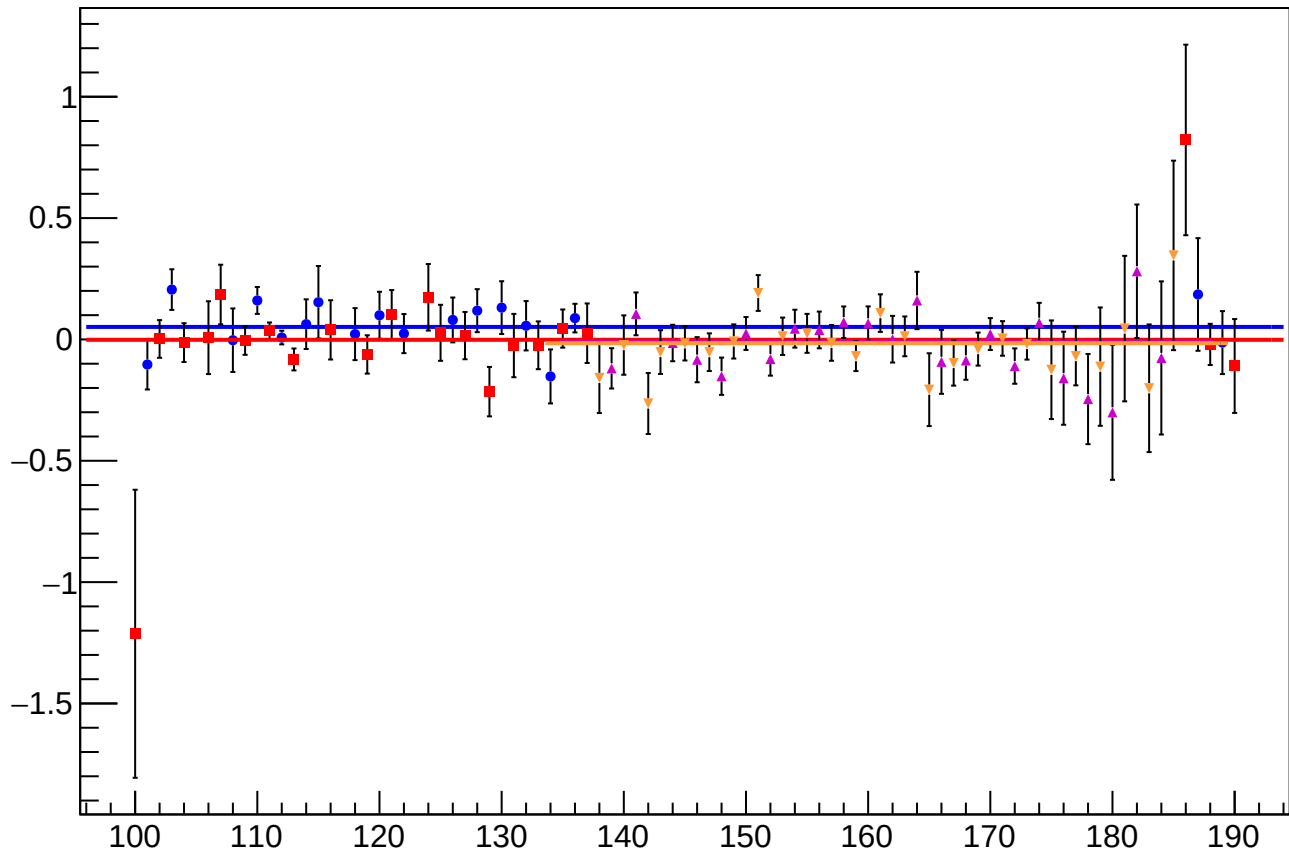
Left In: 0.000+/-0.000 χ^2/NDF : 1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 4027551.0/42

All: 0.000+/-0.000 χ^2/NDF : 8583521.4/87

- sign 0.000+/-0.000 χ^2/NDF : 4514798.6/44

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 ± 0.018 $\chi^2/\text{NDF}: 18.6/17$

Left Out: -0.016 ± 0.018 $\chi^2/\text{NDF}: 21.6/24$

Right Out: -0.001 ± 0.017 $\chi^2/\text{NDF}: 24.0/21$

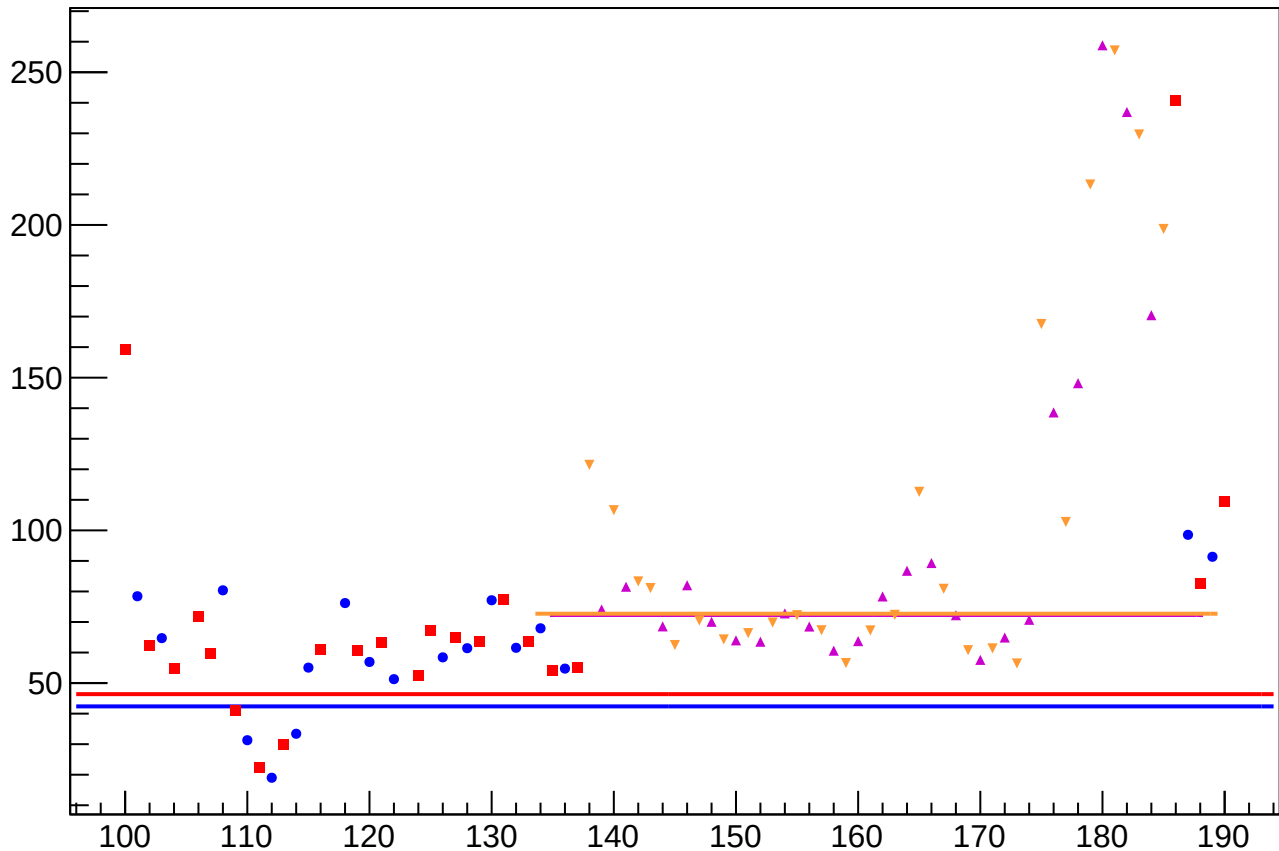
Left In: -0.011 ± 0.018 $\chi^2/\text{NDF}: 23.3/22$

+ sign 0.019 ± 0.013 $\chi^2/\text{NDF}: 47.3/42$

All: 0.006 ± 0.009 $\chi^2/\text{NDF}: 96.8/87$

- sign -0.006 ± 0.013 $\chi^2/\text{NDF}: 47.5/44$

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.369+/-0.012 χ^2/NDF : 3337671.1/17

Left Out: 72.715+/-0.013 χ^2/NDF : 3961158.6/24

Right Out: 46.379+/-0.012 χ^2/NDF : 3158094.8/21

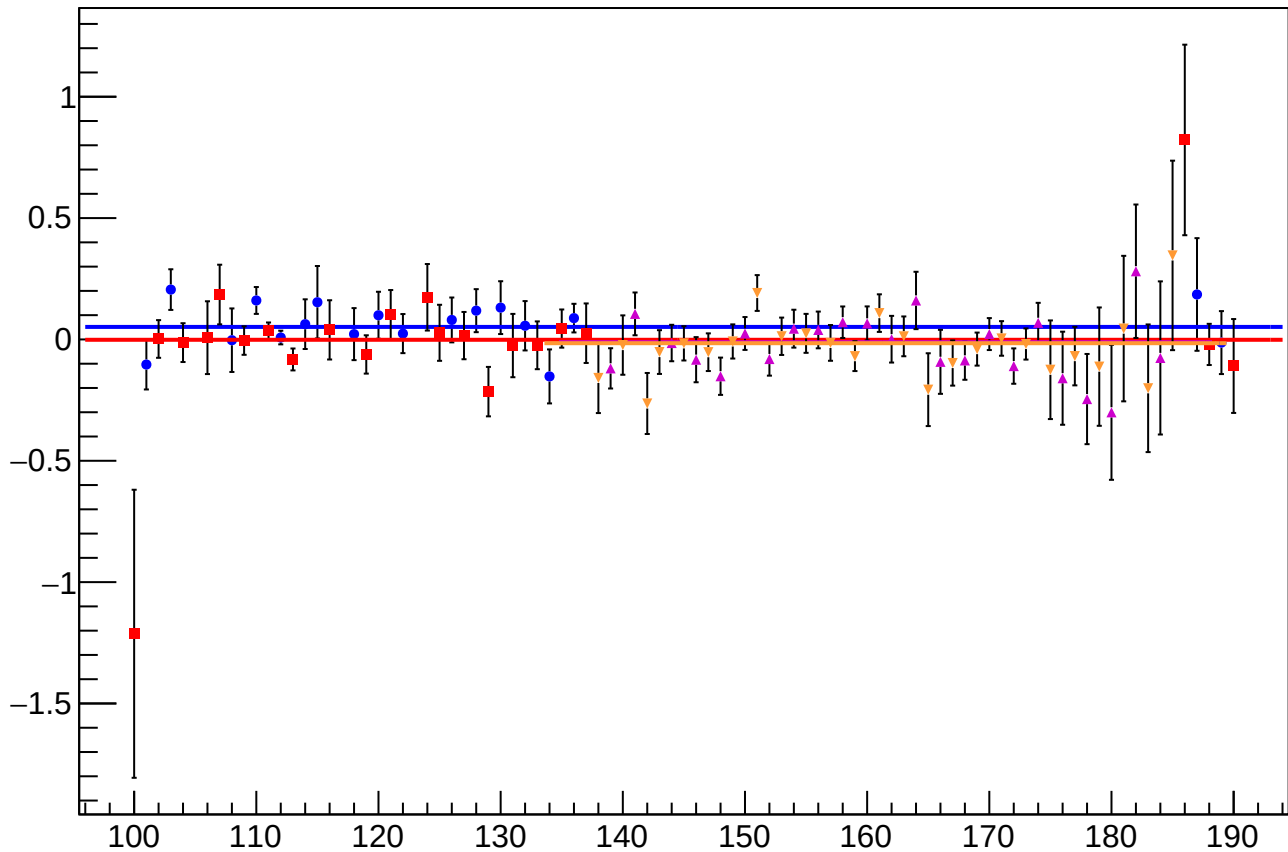
Left In: 72.298+/-0.013 χ^2/NDF : 2790214.3/22

+ sign 57.197+/-0.009 χ^2/NDF : 10218242.8/42

All: 57.972+/-0.006 χ^2/NDF : 18288461.0/87

- sign 58.755+/-0.009 χ^2/NDF : 8054878.0/44

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.052 ± 0.018 $\chi^2/\text{NDF}: 18.6/17$

Left Out: -0.016 ± 0.018 $\chi^2/\text{NDF}: 21.6/24$

Right Out: -0.001 ± 0.017 $\chi^2/\text{NDF}: 24.0/21$

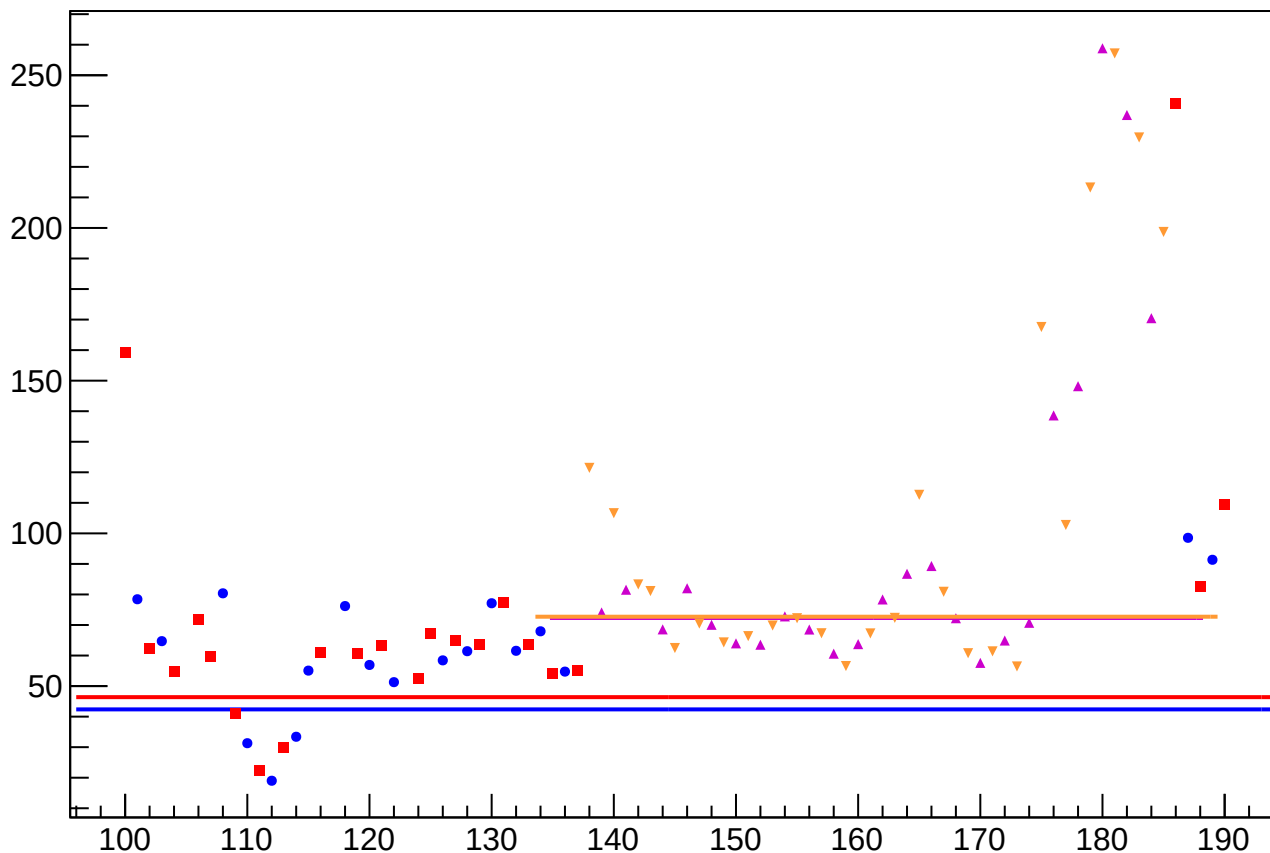
Left In: -0.011 ± 0.018 $\chi^2/\text{NDF}: 23.3/22$

+ sign 0.019 ± 0.013 $\chi^2/\text{NDF}: 47.3/42$

All: 0.006 ± 0.009 $\chi^2/\text{NDF}: 96.8/87$

- sign -0.006 ± 0.013 $\chi^2/\text{NDF}: 47.5/44$

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.369+/-0.012 χ^2/NDF : 3337671.1/17

Left Out: 72.715+/-0.013 χ^2/NDF : 3961158.6/24

Right Out: 46.379+/-0.012 χ^2/NDF : 3158094.8/21

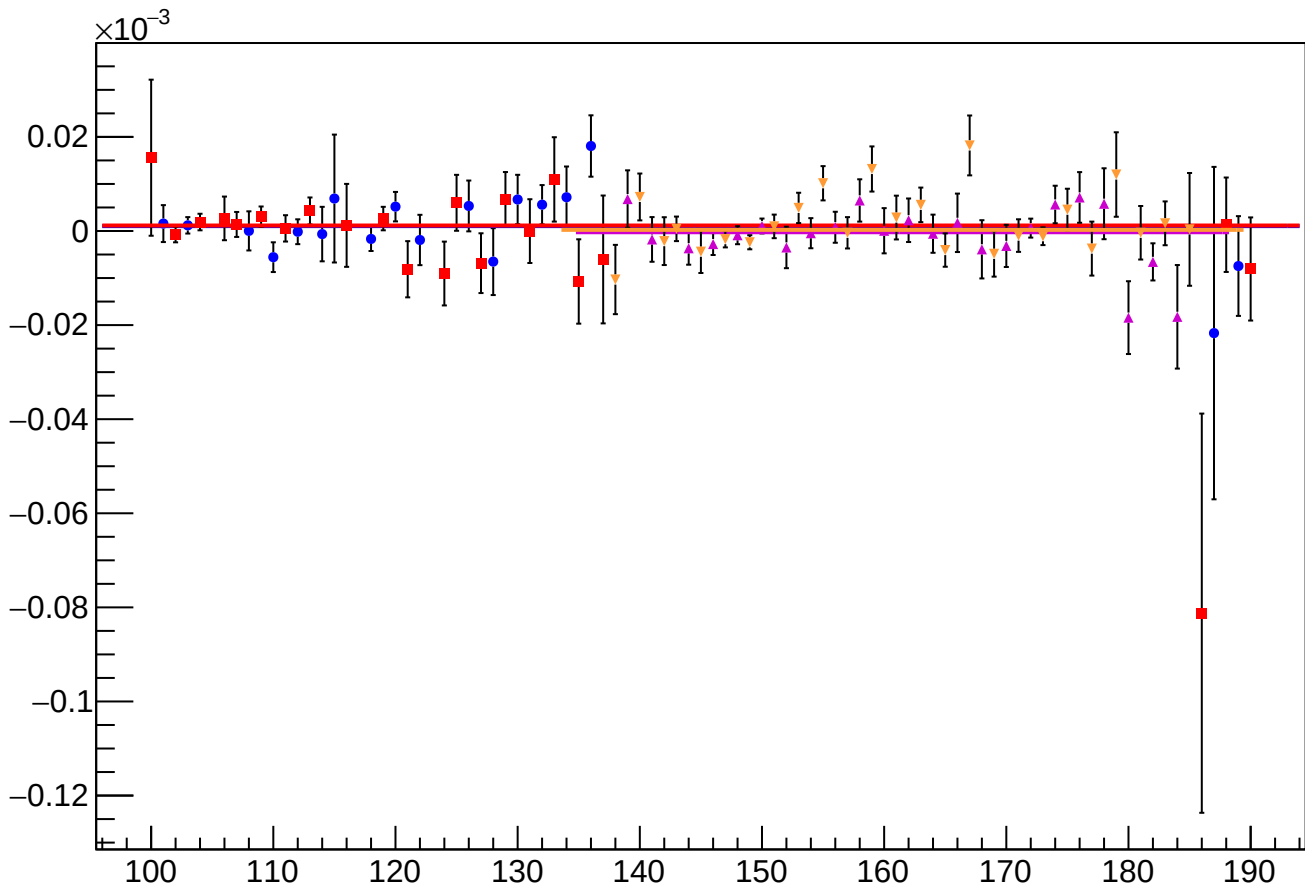
Left In: 72.298+/-0.013 χ^2/NDF : 2790214.3/22

+ sign 57.197+/-0.009 χ^2/NDF : 10218242.8/42

All: 57.972+/-0.006 χ^2/NDF : 18288461.0/87

- sign 58.755+/-0.009 χ^2/NDF : 8054878.0/44

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 43.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/21

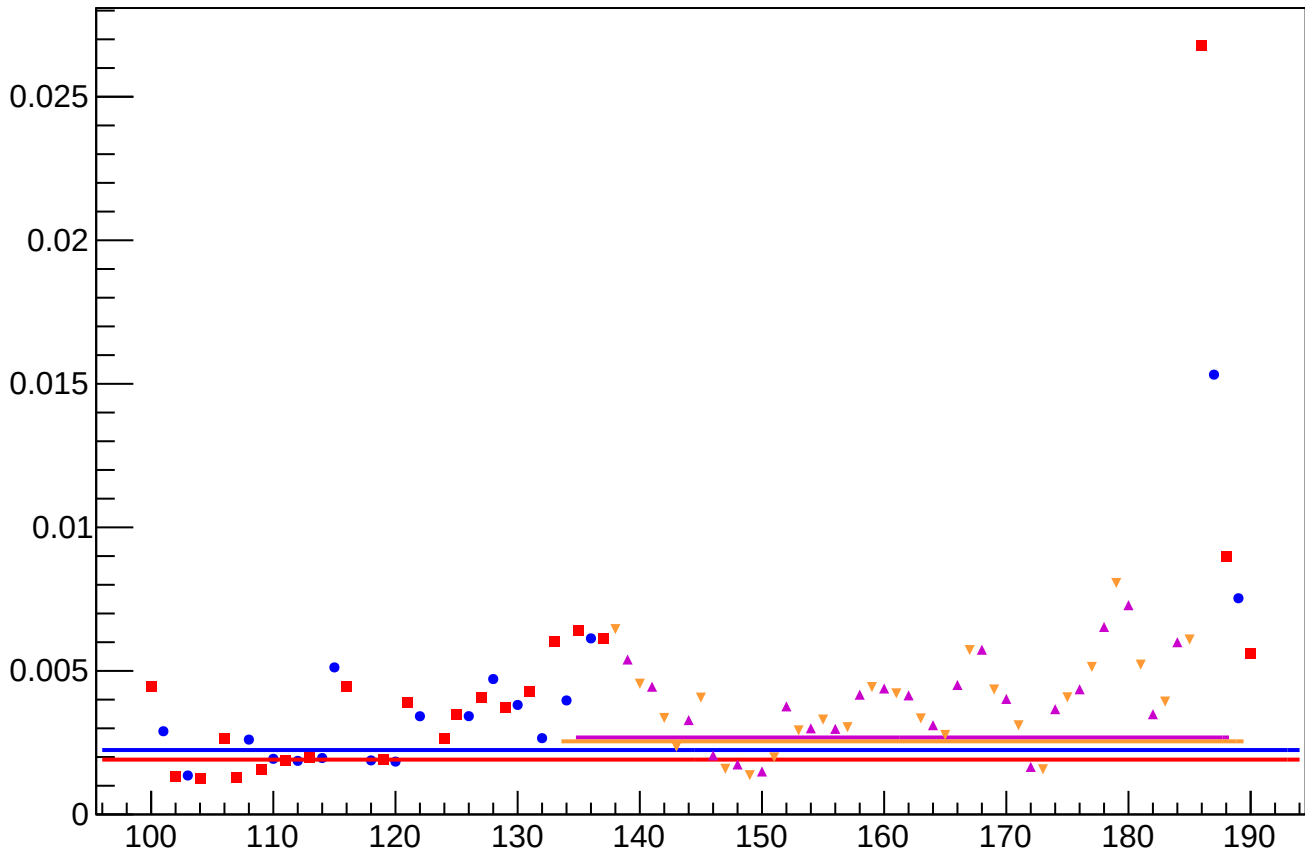
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 24.1/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 111.3/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 46.4/44

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3069835.4/17

Left Out: 0.003+/-0.000 χ^2/NDF : 7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5062938.1/21

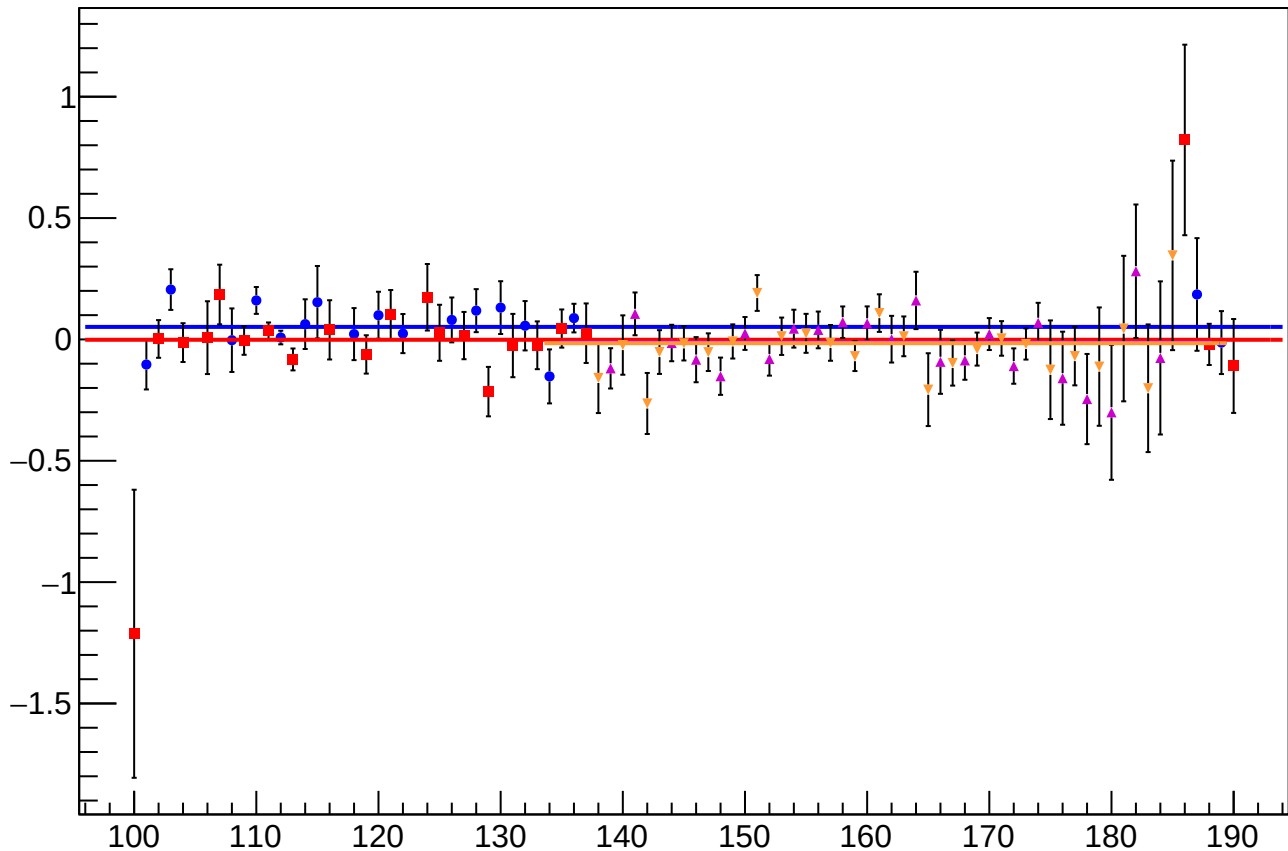
Left In: 0.003+/-0.000 χ^2/NDF : 6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 10717447.5/42

All: 0.002+/-0.000 χ^2/NDF : 23441000.7/87

- sign 0.002+/-0.000 χ^2/NDF : 12671667.4/44

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.052 ± 0.018 $\chi^2/\text{NDF}: 18.6/17$

Left Out: -0.016 ± 0.018 $\chi^2/\text{NDF}: 21.6/24$

Right Out: -0.001 ± 0.017 $\chi^2/\text{NDF}: 24.0/21$

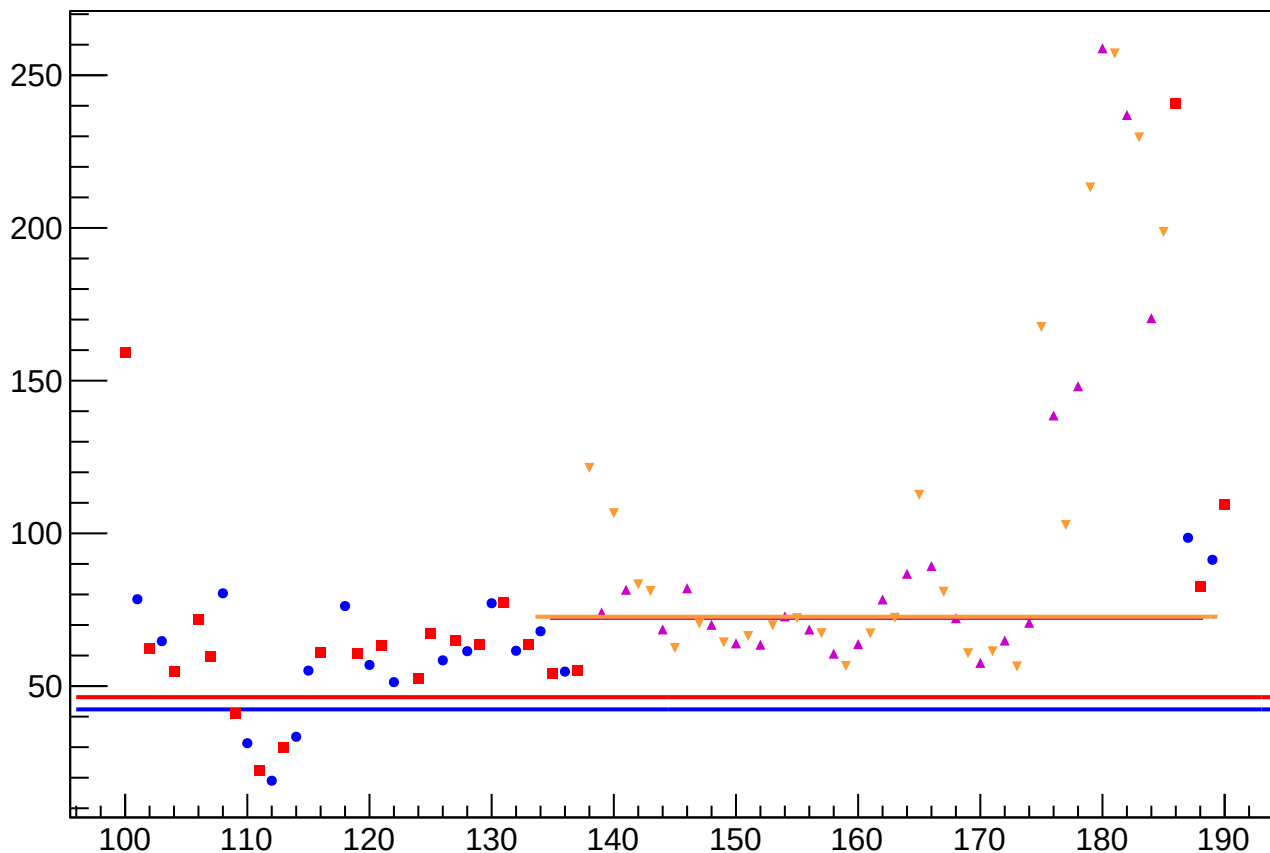
Left In: -0.011 ± 0.018 $\chi^2/\text{NDF}: 23.3/22$

+ sign 0.019 ± 0.013 $\chi^2/\text{NDF}: 47.3/42$

All: 0.006 ± 0.009 $\chi^2/\text{NDF}: 96.8/87$

- sign -0.006 ± 0.013 $\chi^2/\text{NDF}: 47.5/44$

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.368+/-0.012 χ^2/NDF : 3337830.3/17

Left Out: 72.716+/-0.013 χ^2/NDF : 3961100.5/24

Right Out: 46.378+/-0.012 χ^2/NDF : 3158294.4/21

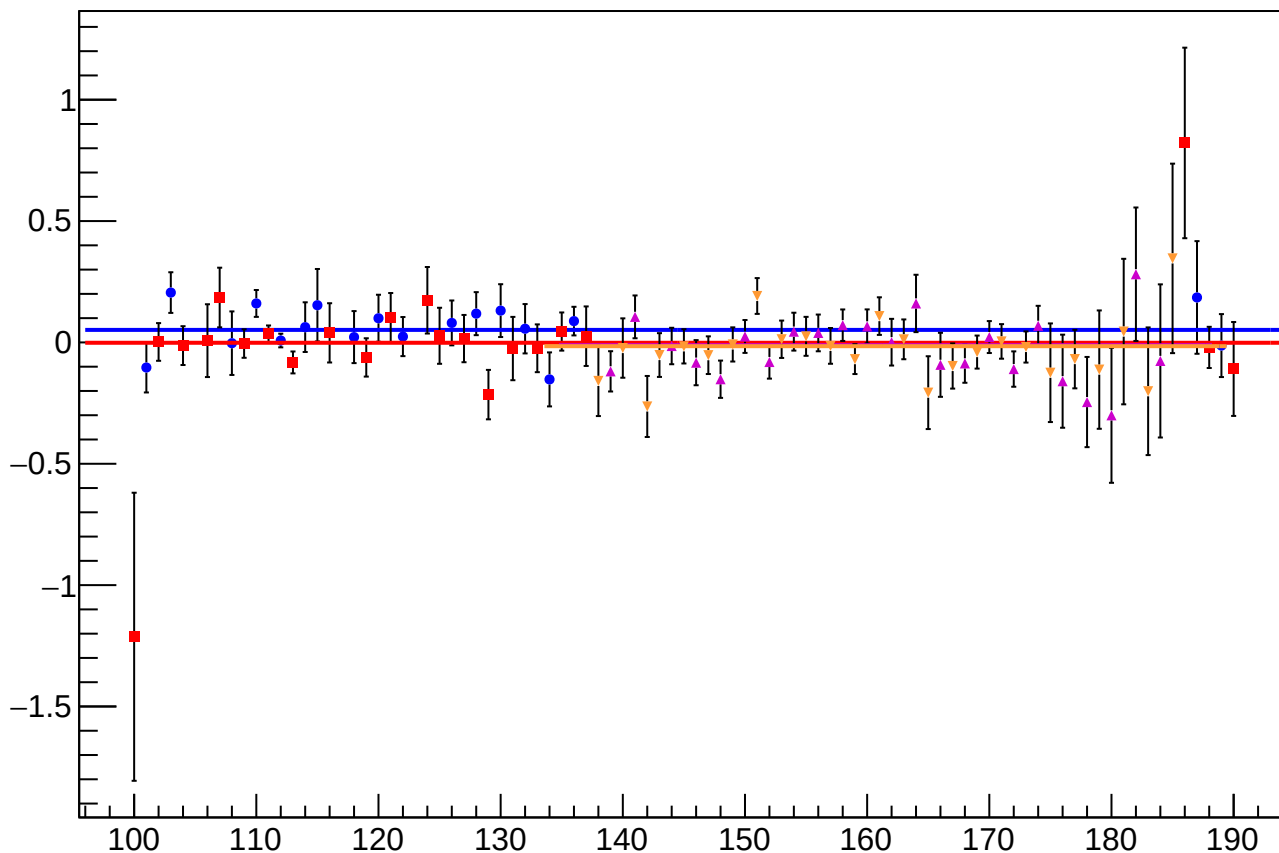
Left In: 72.298+/-0.013 χ^2/NDF : 2790146.5/22

+ sign 57.196+/-0.009 χ^2/NDF : 10218663.0/42

All: 57.972+/-0.006 χ^2/NDF : 18289267.9/87

- sign 58.755+/-0.009 χ^2/NDF : 8055263.0/44

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.052 ± 0.018 $\chi^2/\text{NDF}: 18.6/17$

Left Out: -0.016 ± 0.018 $\chi^2/\text{NDF}: 21.6/24$

Right Out: -0.001 ± 0.017 $\chi^2/\text{NDF}: 24.0/21$

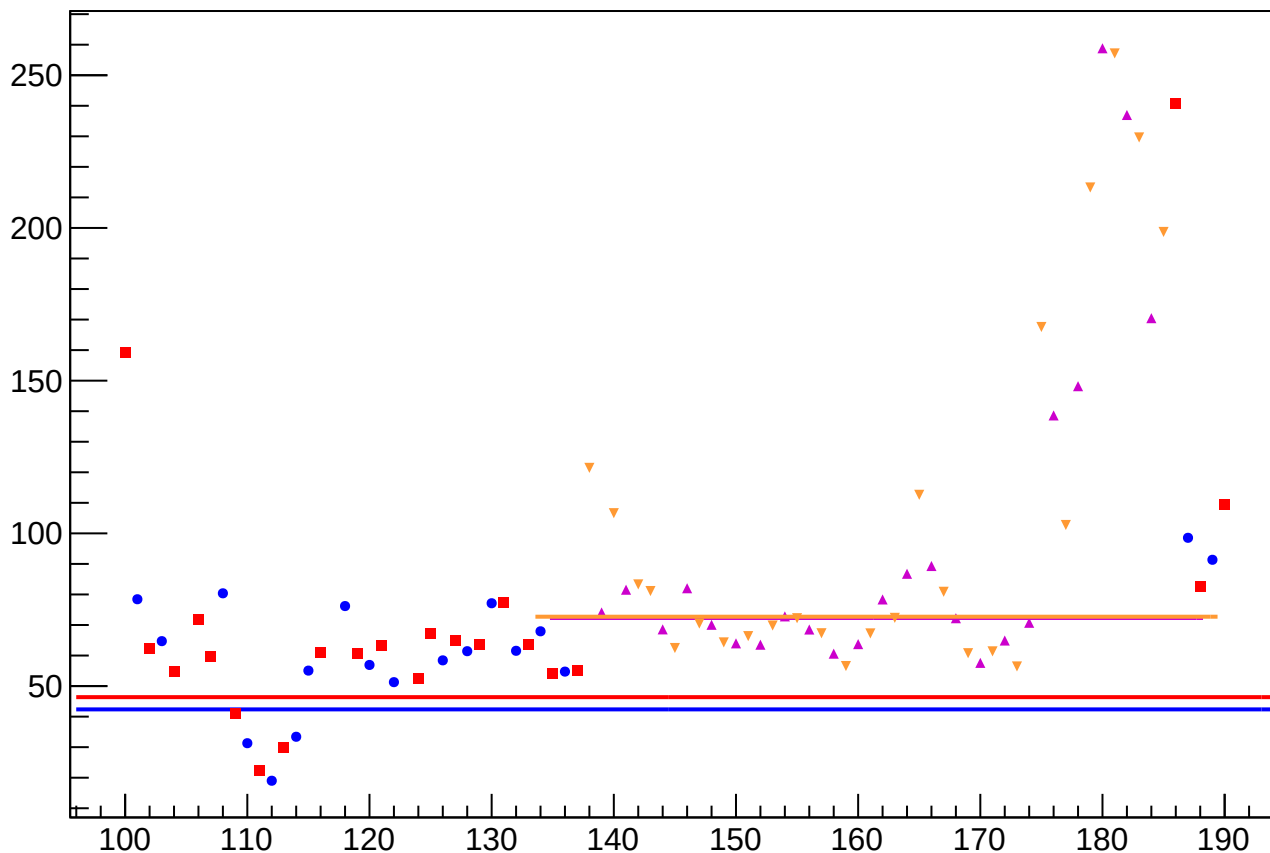
Left In: -0.011 ± 0.018 $\chi^2/\text{NDF}: 23.3/22$

+ sign 0.019 ± 0.013 $\chi^2/\text{NDF}: 47.3/42$

All: 0.006 ± 0.009 $\chi^2/\text{NDF}: 96.8/87$

- sign -0.006 ± 0.013 $\chi^2/\text{NDF}: 47.5/44$

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.368+/-0.012 χ^2/NDF : 3337830.3/17

Left Out: 72.716+/-0.013 χ^2/NDF : 3961100.5/24

Right Out: 46.378+/-0.012 χ^2/NDF : 3158294.4/21

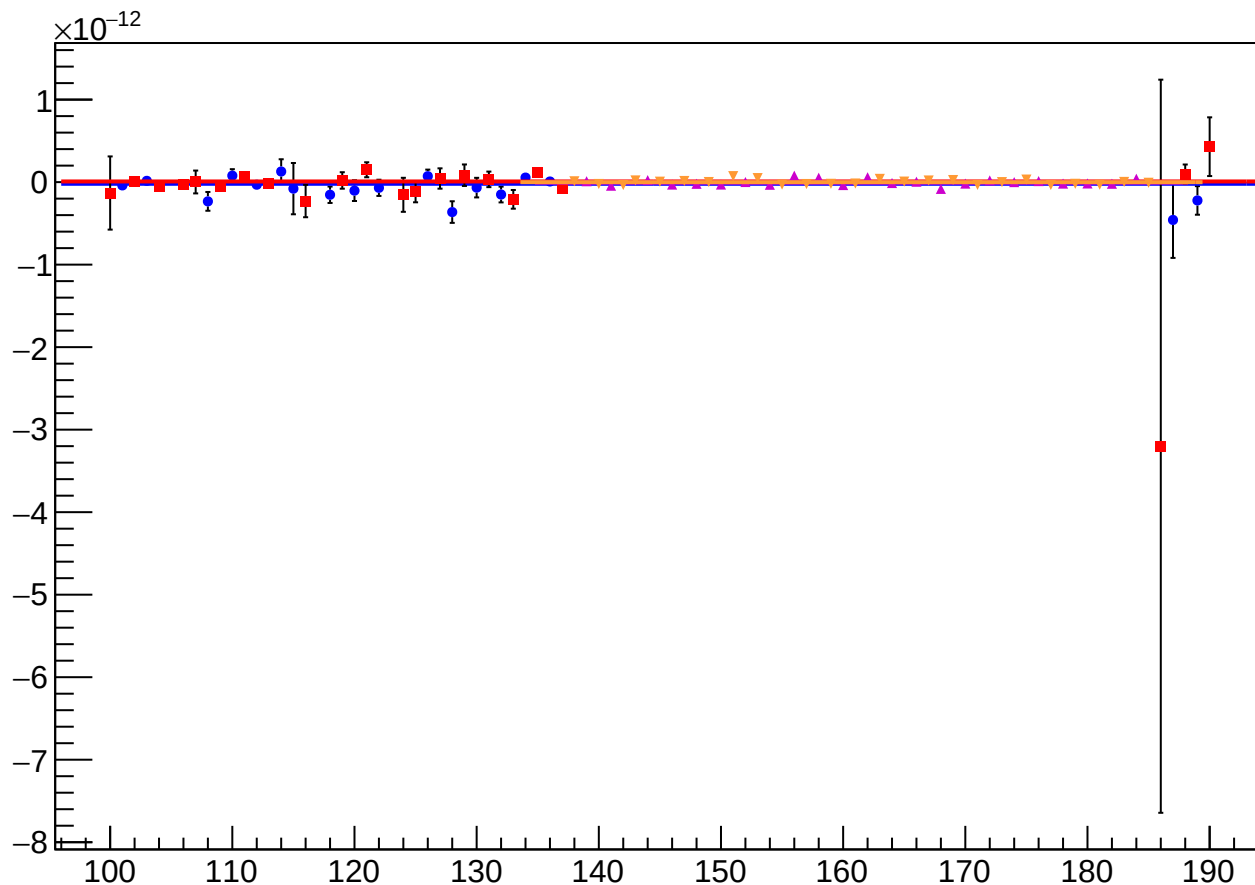
Left In: 72.298+/-0.013 χ^2/NDF : 2790146.5/22

+ sign 57.196+/-0.009 χ^2/NDF : 10218663.0/42

All: 57.972+/-0.006 χ^2/NDF : 18289267.9/87

- sign 58.755+/-0.009 χ^2/NDF : 8055263.0/44

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 25.3/17

Left Out: -0.000+/-0.000 χ^2 /NDF: 27.9/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 25.8/21

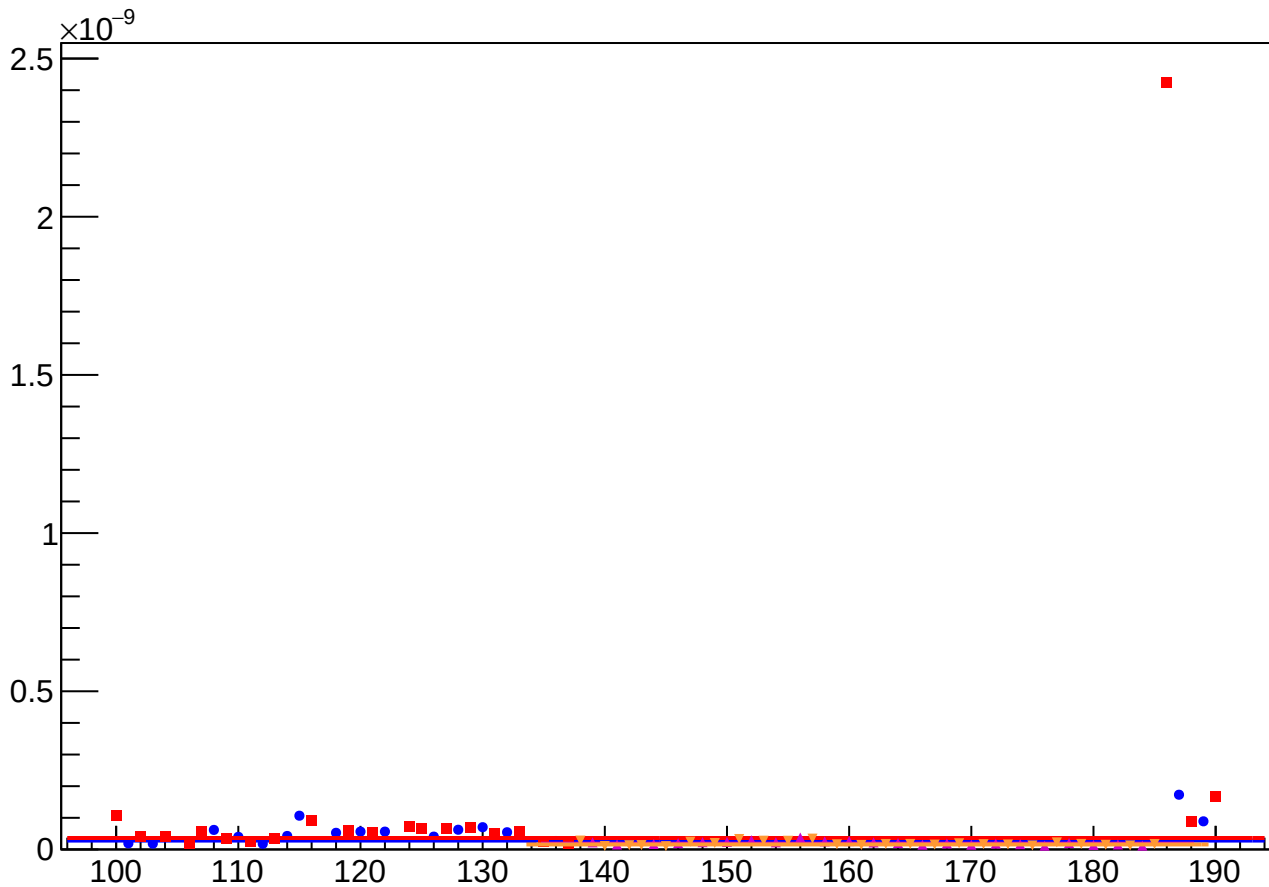
Left In: -0.000+/-0.000 χ^2 /NDF: 38.3/22

+ sign -0.000+/-0.000 χ^2 /NDF: 54.8/42

All: -0.000+/-0.000 χ^2 /NDF: 119.6/87

- sign -0.000+/-0.000 χ^2 /NDF: 64.7/44

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2247993.2/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2929238.2/21

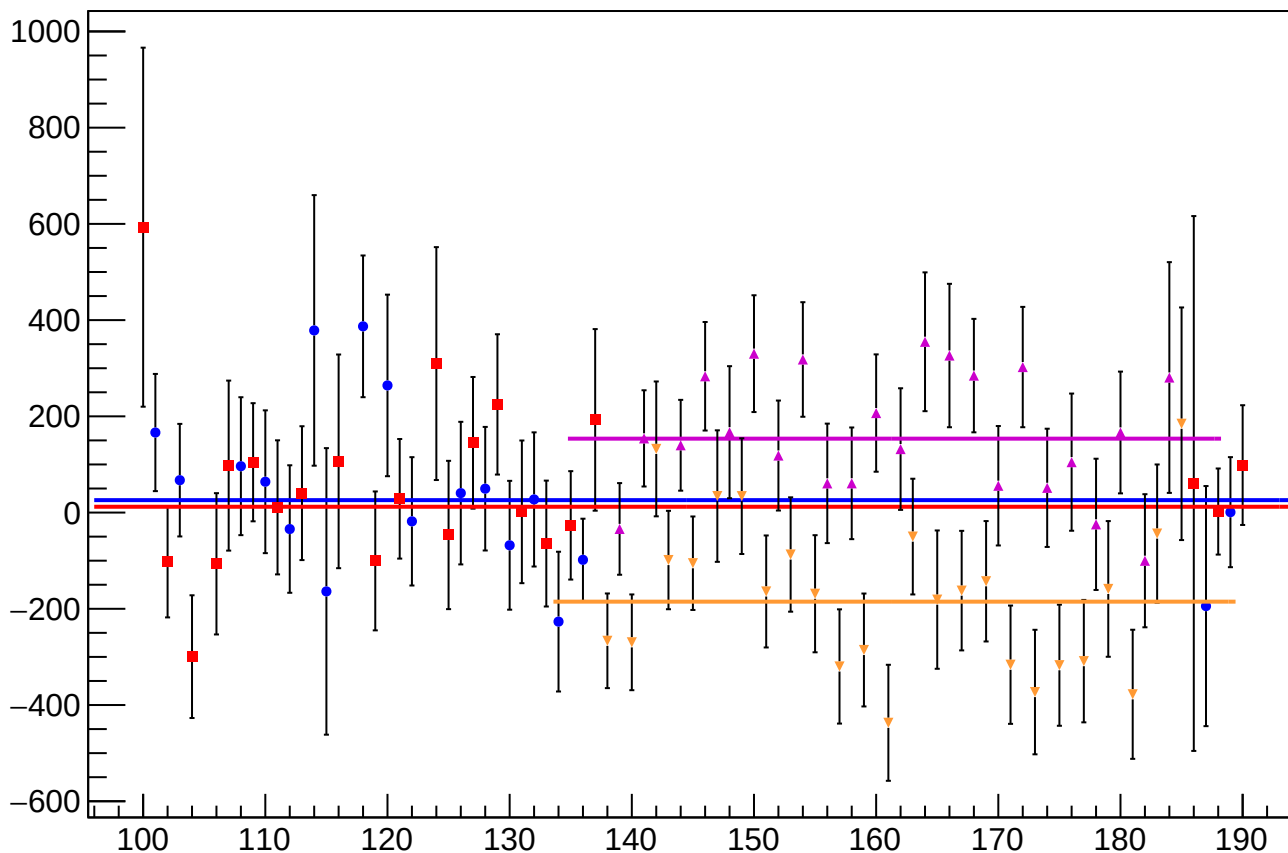
Left In: 0.000+/-0.000 χ^2/NDF : 1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 5897747.6/42

All: 0.000+/-0.000 χ^2/NDF : 12982633.4/87

- sign 0.000+/-0.000 χ^2/NDF : 6719123.3/44

reg_asym_sam_15_dd_mean vs Slug



Right In: 25.839 $\pm$ 32.683 χ^2 /NDF: 18.2/17

Left Out: -185.146 $\pm$ 24.452 χ^2 /NDF:33.1/24

Right Out: 12.100 $\pm$ 30.316 χ^2 /NDF: 18.3/21

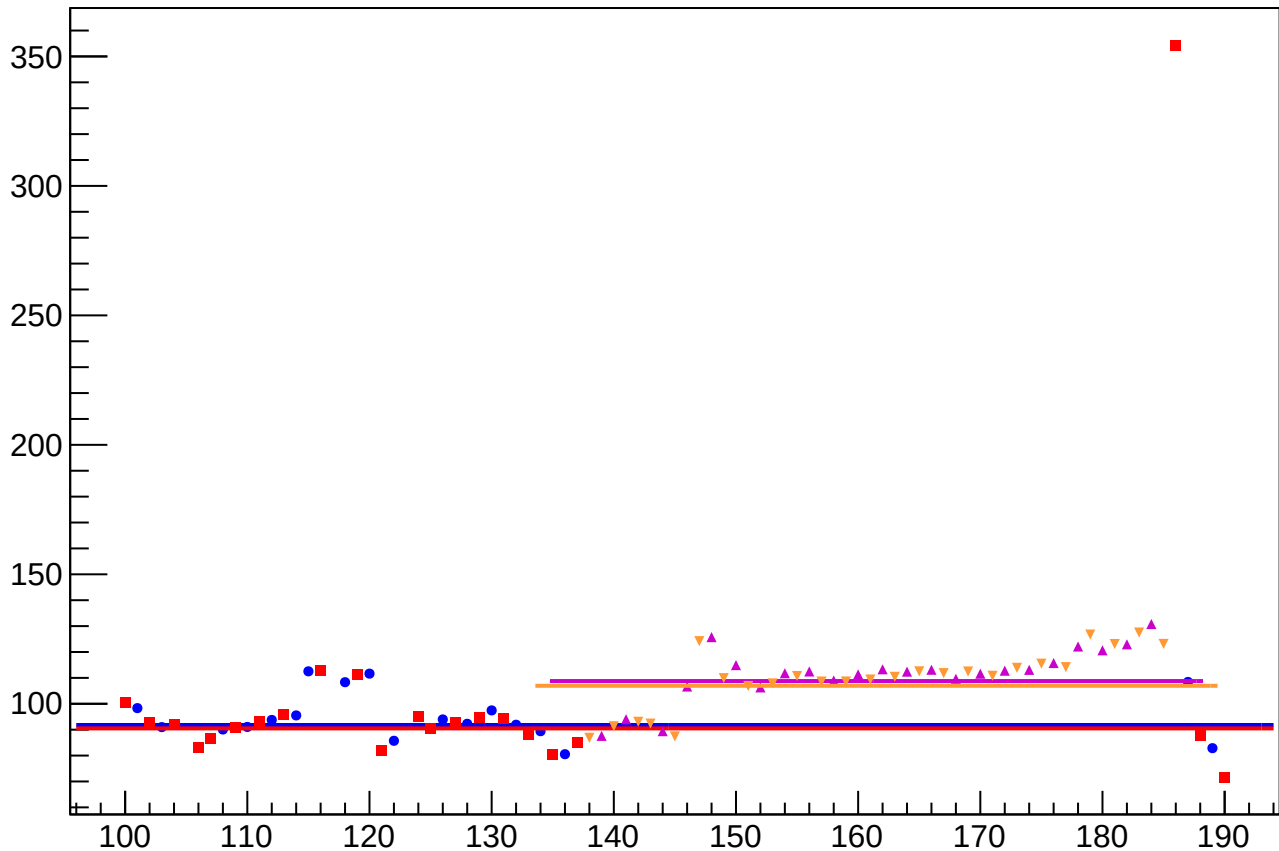
Left In: 153.627 $\pm$ 25.538 χ^2 /NDF:23.5/22

+ sign -109.430 $\pm$ 19.579 χ^2 /NDF: 77.9/42

All: -7.025 $\pm$ 13.828 χ^2 /NDF: 187.1/87

- sign 94.883 $\pm$ 19.532 χ^2 /NDF: 54.6/44

reg_asym_sam_15_dd_rms vs Slug



Right In: 91.808 $\pm$ 0.023 χ^2 /NDF: 128580.2/17

Left Out: 106.954 $\pm$ 0.017 χ^2 /NDF: 464271.3/24

Right Out: 90.496 $\pm$ 0.021 χ^2 /NDF: 604700.8/21

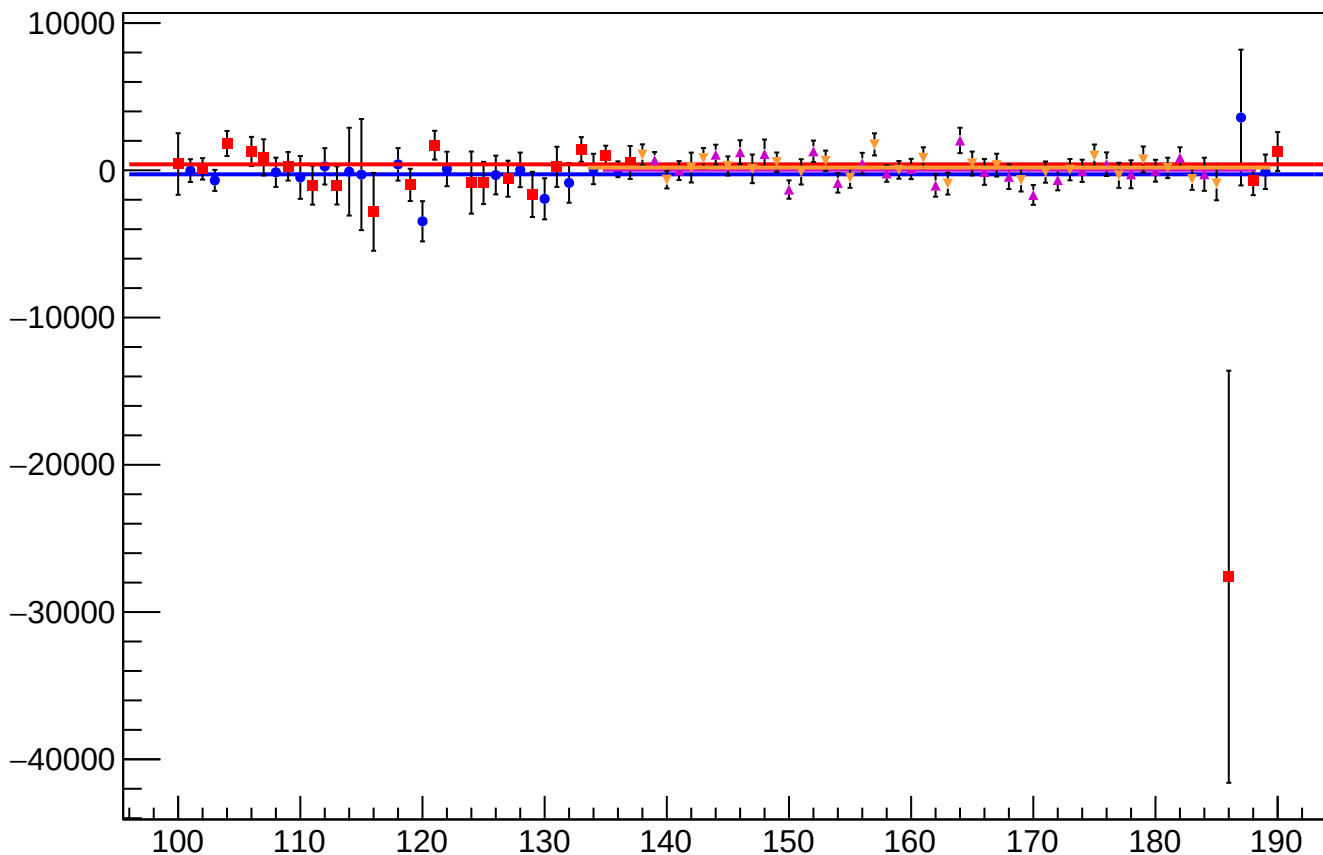
Left In: 108.781 $\pm$ 0.018 χ^2 /NDF: 358436.3/22

+ sign 101.519 $\pm$ 0.014 χ^2 /NDF: 868218.4/42

All: 101.354 $\pm$ 0.010 χ^2 /NDF: 2257200.6/87

- sign 101.191 $\pm$ 0.014 χ^2 /NDF: 1388701.6/44

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -272.045 $\pm$ 253.145 χ^2 /NDF: 9.5/17

Left Out: 186.456 $\pm$ 148.819 χ^2 /NDF: 19.1/24

Right Out: 403.807 $\pm$ 236.929 χ^2 /NDF: 22.7/21

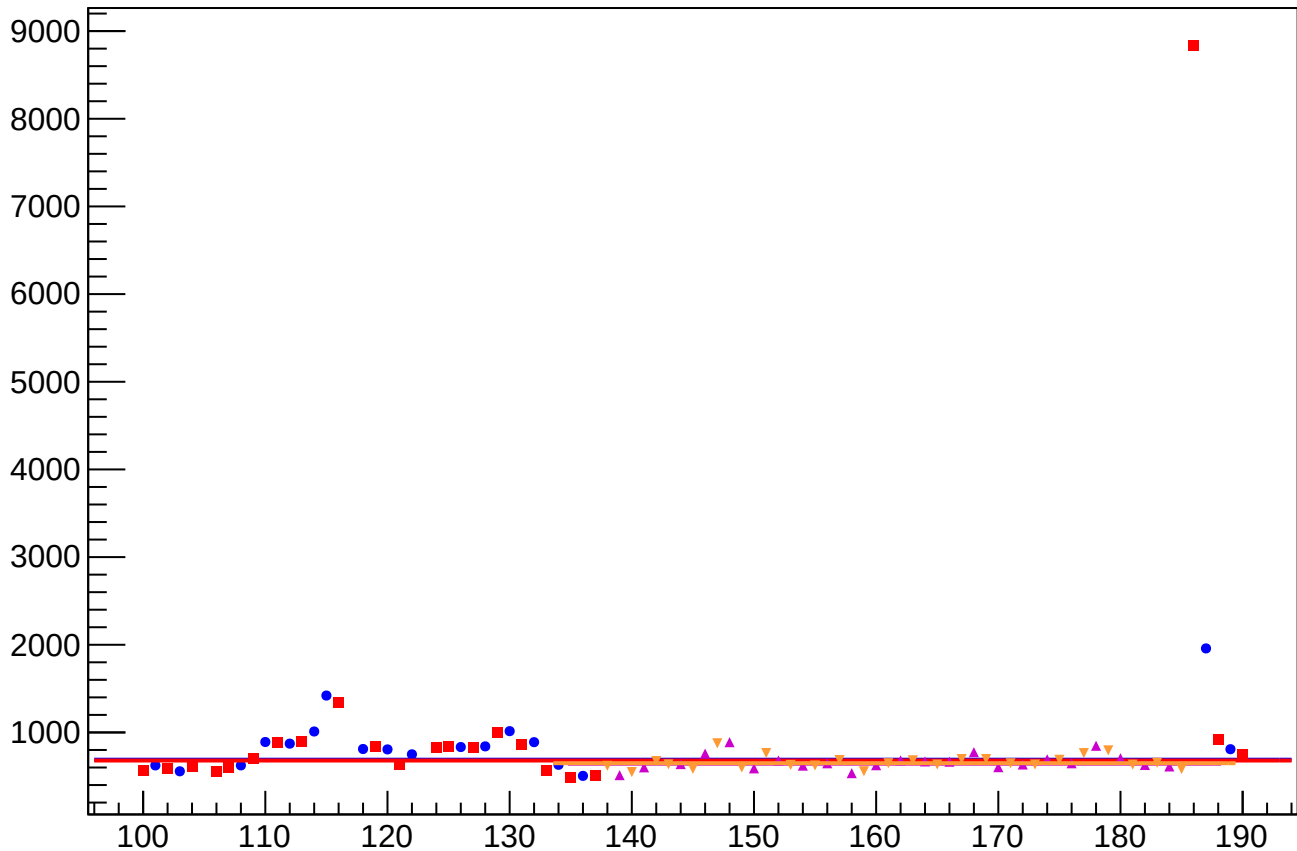
Left In: 43.249 $\pm$ 152.059 χ^2 /NDF: 33.7/22

+ sign 68.695 $\pm$ 128.292 χ^2 /NDF: 31.0/42

All: 108.665 $\pm$ 90.602 χ^2 /NDF: 89.3/87

- sign 148.436 $\pm$ 127.971 χ^2 /NDF: 58.1/44

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 688.938 $\pm$ 0.179 χ^2 /NDF: 943650.8/17

Left Out: 649.189 $\pm$ 0.105 χ^2 /NDF: 418364.7/24

Right Out: 679.854 $\pm$ 0.168 χ^2 /NDF: 1613875.1/21

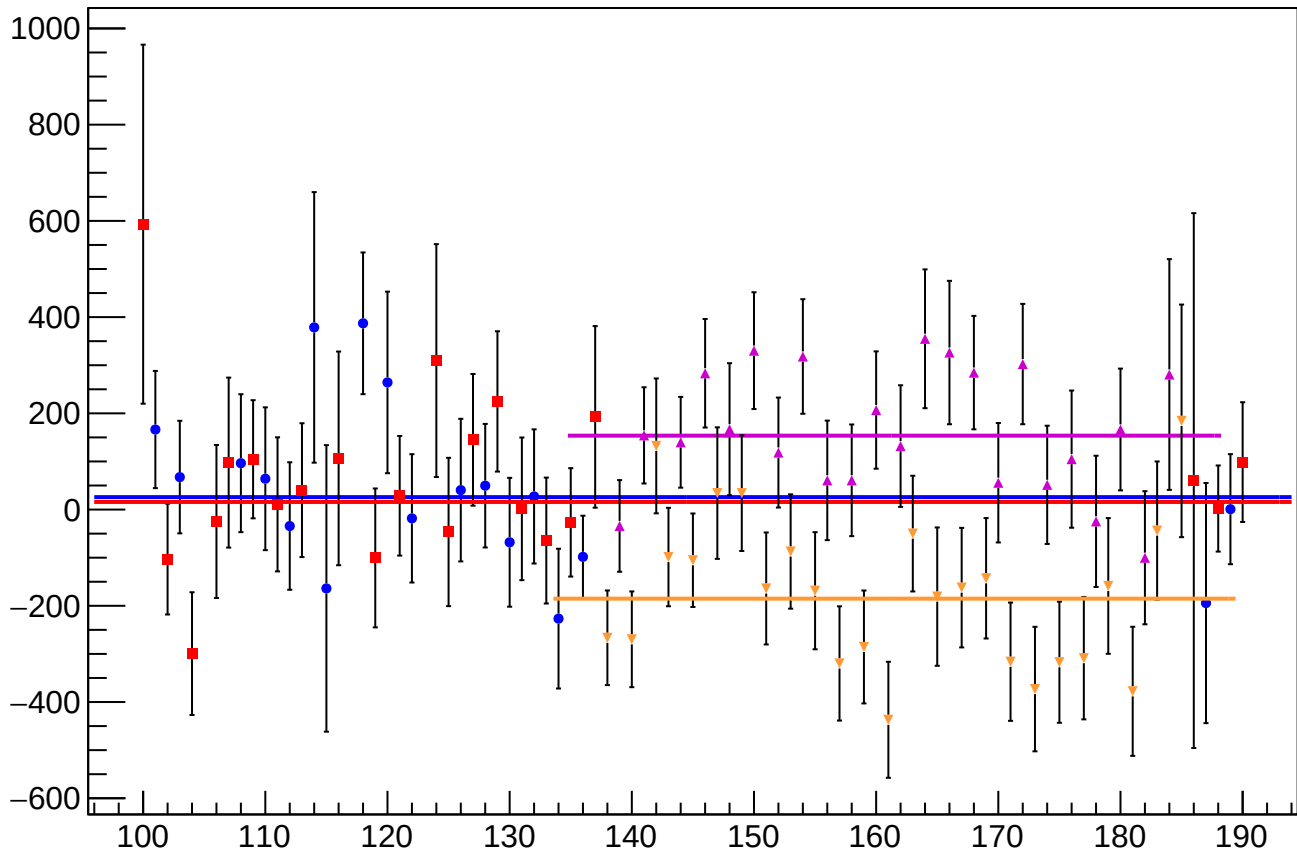
Left In: 644.072 $\pm$ 0.108 χ^2 /NDF: 559119.9/22

+ sign 659.398 $\pm$ 0.091 χ^2 /NDF: 1398660.9/42

All: 656.948 $\pm$ 0.064 χ^2 /NDF: 3605419.8/87

- sign 654.511 $\pm$ 0.090 χ^2 /NDF: 2205304.2/44

cor_asym_sam_15_dd_mean vs Slug



Right In: 25.852 $\pm$ 32.683 χ^2 /NDF: 18.2/17

Left Out: -185.148 $\pm$ 24.452 χ^2 /NDF:33.0/24

Right Out: 15.834 $\pm$ 30.412 χ^2 /NDF: 17.7/21

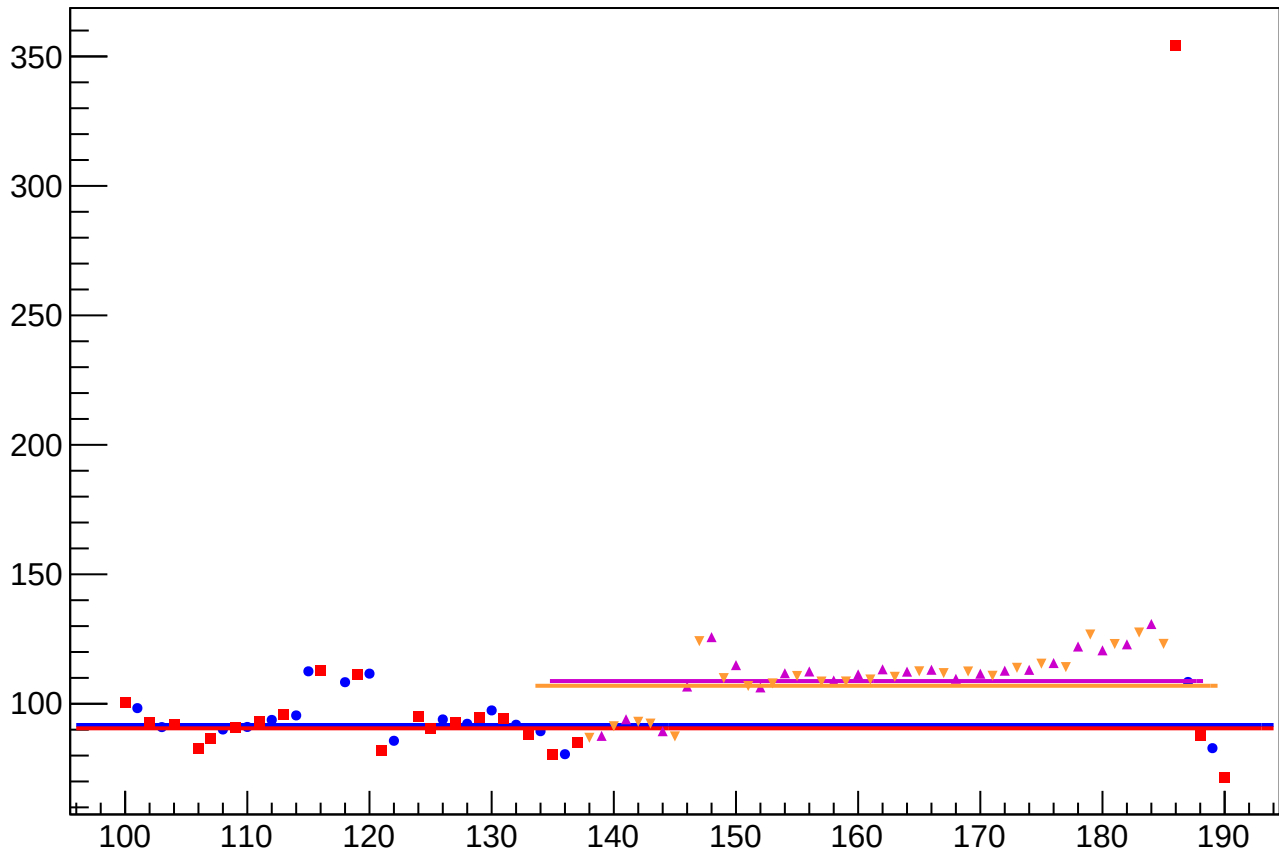
Left In: 153.632 $\pm$ 25.538 χ^2 /NDF:23.5/22

+ sign -109.427 $\pm$ 19.579 χ^2 /NDF: 77.9/42

All: -6.274 $\pm$ 13.837 χ^2 /NDF: 186.6/87

- sign 96.647 $\pm$ 19.557 χ^2 /NDF: 53.2/44

cor_asym_sam_15_dd_rms vs Slug



Right In: 91.808 $\pm$ 0.023 χ^2 /NDF: 128580.2/17

Left Out: 106.954 $\pm$ 0.017 χ^2 /NDF: 464271.4/24

Right Out: 90.522 $\pm$ 0.022 χ^2 /NDF: 604623.5/21

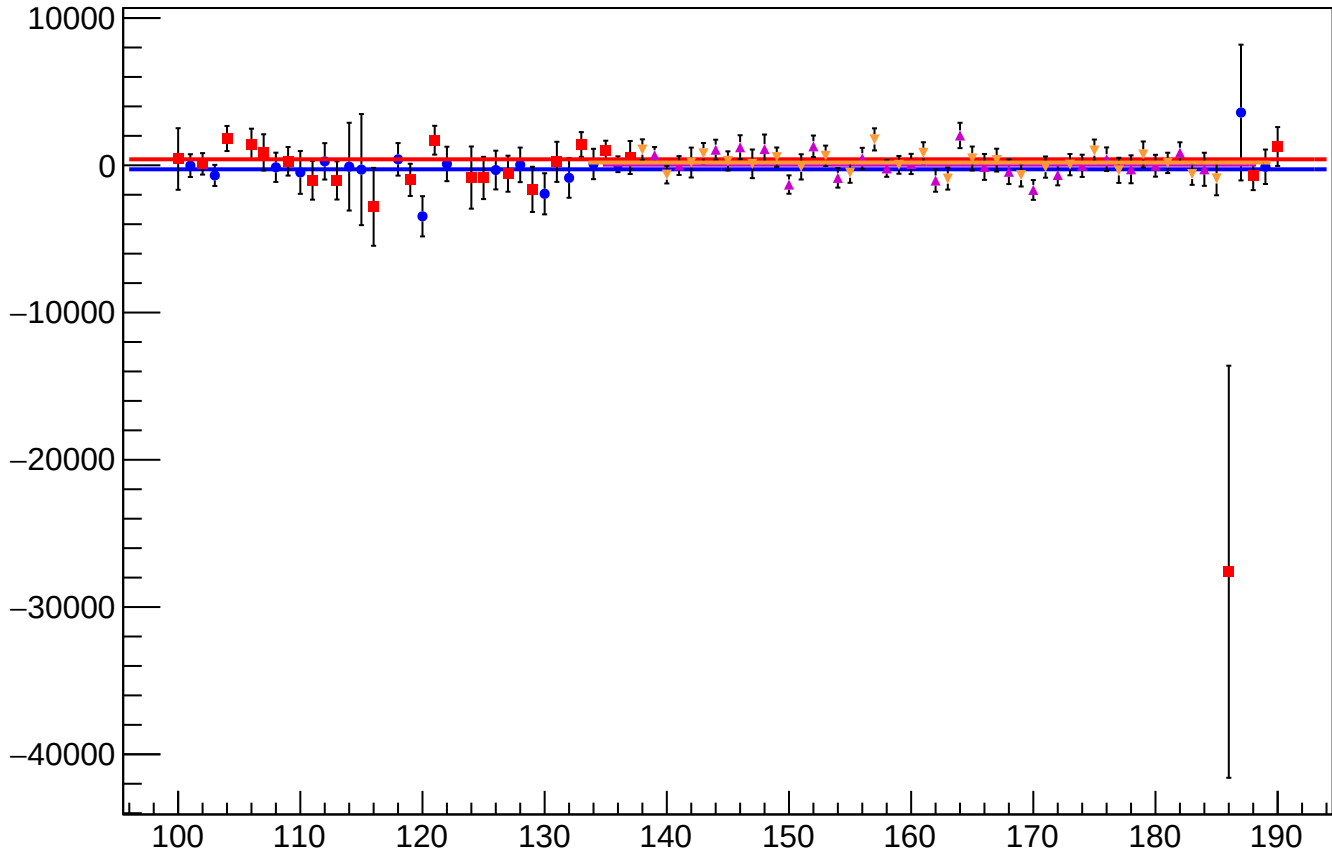
Left In: 108.781 $\pm$ 0.018 χ^2 /NDF: 358436.4/22

+ sign 101.519 $\pm$ 0.014 χ^2 /NDF: 868218.3/42

All: 101.374 $\pm$ 0.010 χ^2 /NDF: 2254263.1/87

- sign 101.230 $\pm$ 0.014 χ^2 /NDF: 1385827.2/44

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -272.042 $\pm$ 253.145 χ^2 /NDF: 9.5/17

Left Out: 186.450 $\pm$ 148.819 χ^2 /NDF: 19.1/24

Right Out: 406.908 $\pm$ 237.643 χ^2 /NDF: 22.9/21

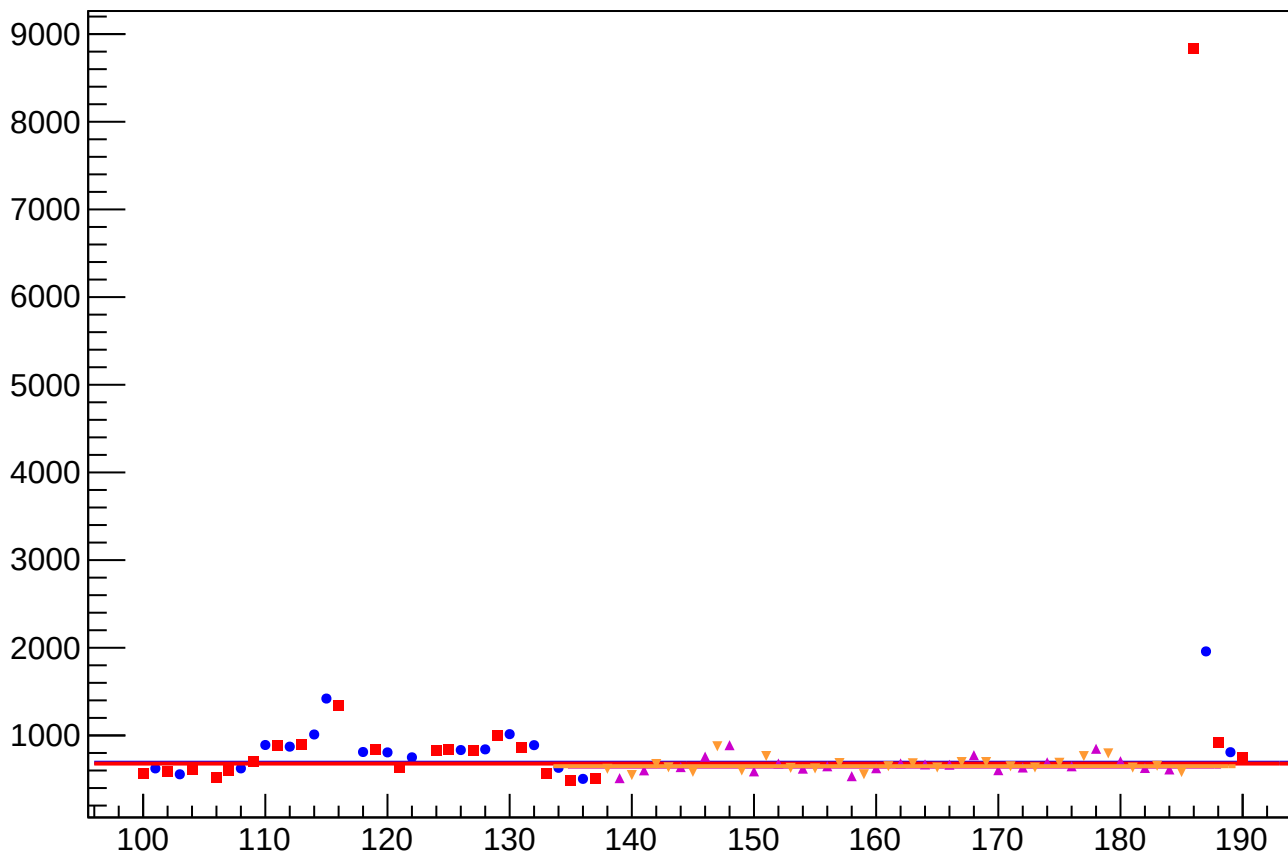
Left In: 43.251 $\pm$ 152.059 χ^2 /NDF: 33.7/22

+ sign 68.691 $\pm$ 128.292 χ^2 /NDF: 31.0/42

All: 108.856 $\pm$ 90.642 χ^2 /NDF: 89.5/87

- sign 148.890 $\pm$ 128.083 χ^2 /NDF: 58.3/44

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 688.937+/-0.179 χ^2/NDF : 943653.0/17

Left Out: 649.189+/-0.105 χ^2/NDF : 418365.4/24

Right Out: 679.189+/-0.168 χ^2/NDF : 1624971.9/21

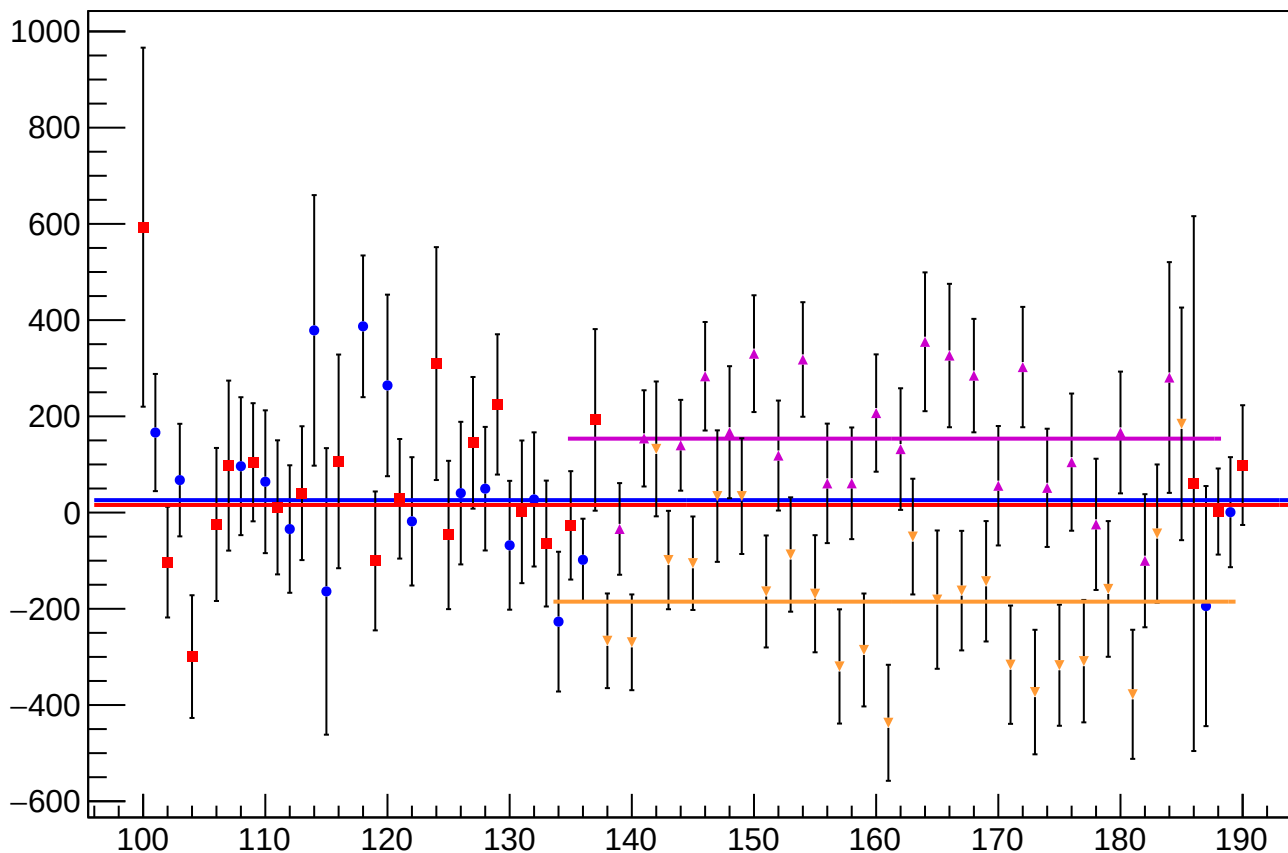
Left In: 644.072+/-0.108 χ^2/NDF : 559121.0/22

+ sign 659.398+/-0.091 χ^2/NDF : 1398662.7/42

All: 656.832+/-0.064 χ^2/NDF : 3615340.1/87

- sign 654.273+/-0.091 χ^2/NDF : 2215079.2/44

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 25.852 ± 32.683 χ^2/NDF : 18.2/17

Left Out: -185.148 ± 24.452 χ^2/NDF : 33.0/24

Right Out: 15.834 ± 30.412 χ^2/NDF : 17.7/21

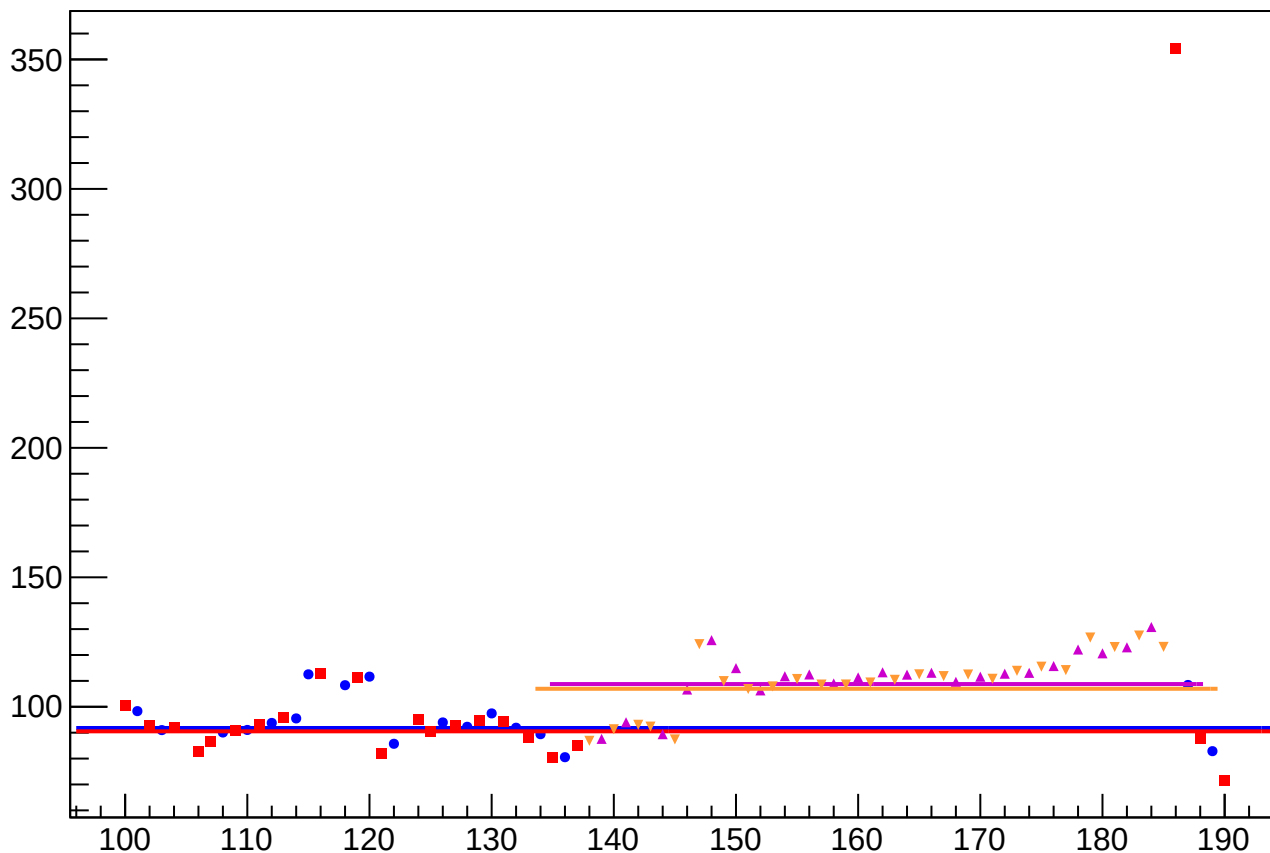
Left In: 153.632 ± 25.538 χ^2/NDF : 23.5/22

+ sign -109.427 ± 19.579 χ^2/NDF : 77.9/42

All: -6.274 ± 13.837 χ^2/NDF : 186.6/87

- sign 96.647 ± 19.557 χ^2/NDF : 53.2/44

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 91.808 $\pm$ 0.023 χ^2 /NDF: 128580.2/17

Left Out: 106.954 $\pm$ 0.017 χ^2 /NDF: 464271.4/24

Right Out: 90.522 $\pm$ 0.022 χ^2 /NDF: 604623.5/21

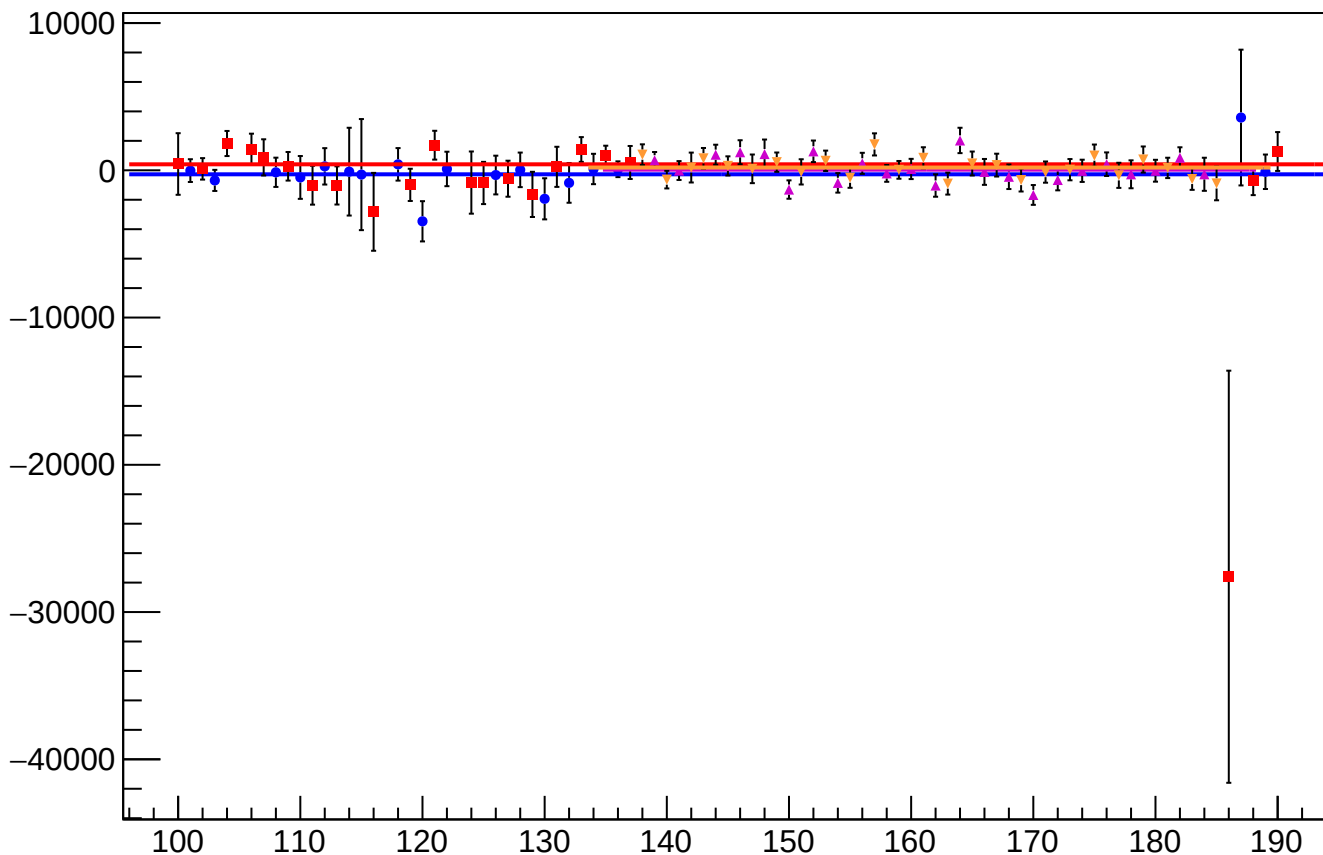
Left In: 108.781 $\pm$ 0.018 χ^2 /NDF: 358436.4/22

+ sign 101.519 $\pm$ 0.014 χ^2 /NDF: 868218.3/42

All: 101.374 $\pm$ 0.010 χ^2 /NDF: 2254263.1/87

- sign 101.230 $\pm$ 0.014 χ^2 /NDF: 1385827.2/44

asym_sam_15_dd_eigen_cor_correction_mean vs Slug



Right In: -272.042 $\pm$ 253.145 χ^2 /NDF: 9.5/17

Left Out: 186.450 $\pm$ 148.819 χ^2 /NDF: 19.1/24

Right Out: 406.908 $\pm$ 237.643 χ^2 /NDF: 22.9/21

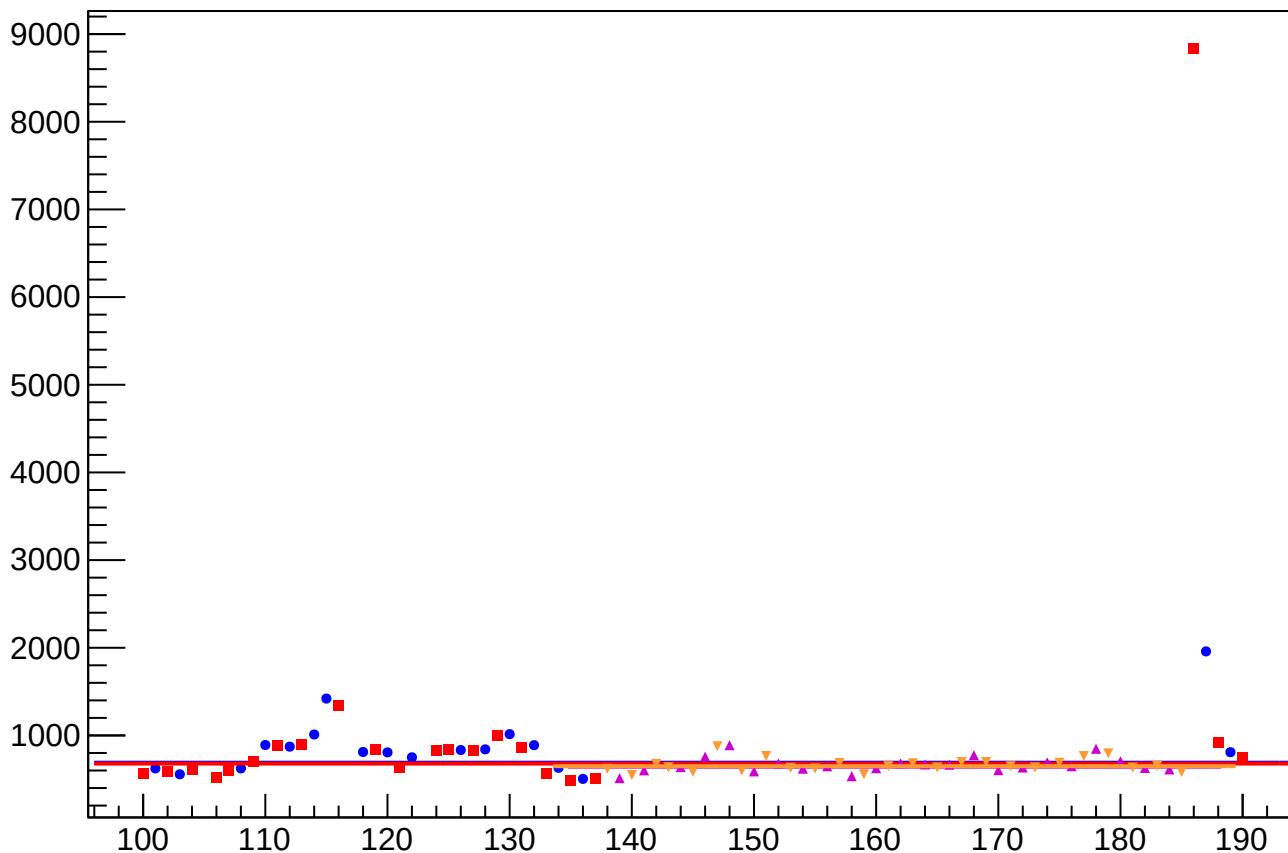
Left In: 43.251 $\pm$ 152.059 χ^2 /NDF: 33.7/22

+ sign 68.691 $\pm$ 128.292 χ^2 /NDF: 31.0/42

All: 108.856 $\pm$ 90.642 χ^2 /NDF: 89.5/87

- sign 148.890 $\pm$ 128.083 χ^2 /NDF: 58.3/44

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 688.937 $\pm$ 0.179 χ^2 /NDF: 943653.0/17

Left Out: 649.189 $\pm$ 0.105 χ^2 /NDF: 418365.4/24

Right Out: 679.189 $\pm$ 0.168 χ^2 /NDF: 1624971.9/21

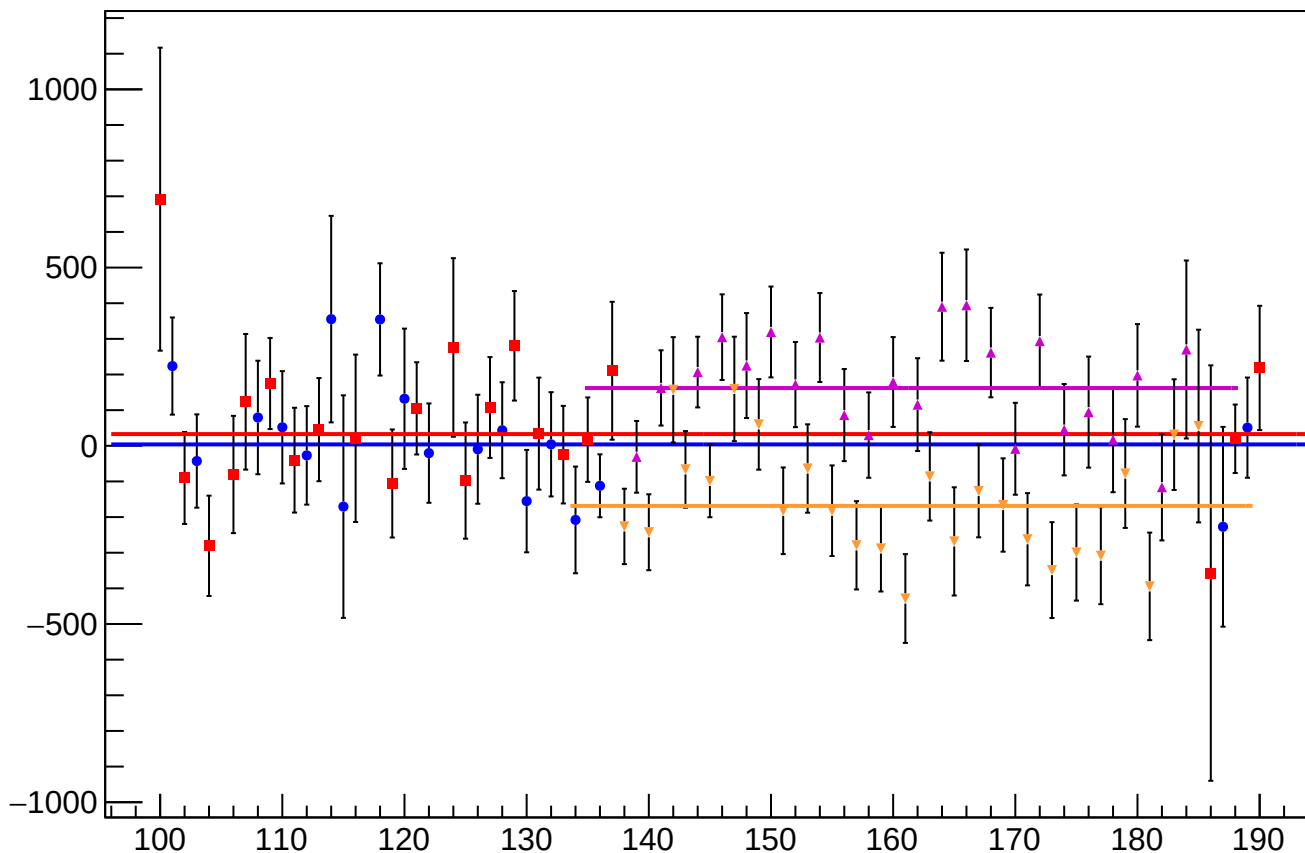
Left In: 644.072 $\pm$ 0.108 χ^2 /NDF: 559121.0/22

+ sign 659.398 $\pm$ 0.091 χ^2 /NDF: 1398662.7/42

All: 656.832 $\pm$ 0.064 χ^2 /NDF: 3615340.1/87

- sign 654.273 $\pm$ 0.091 χ^2 /NDF: 2215079.2/44

dit_asym_sam_15_dd_mean vs Slug



Right In: 3.869+/-35.059 χ^2/NDF : 16.1/17

Left Out: -168.634+/-25.819 χ^2/NDF : 32.4/24

Right Out: 32.847+/-32.627 χ^2/NDF : 18.7/21

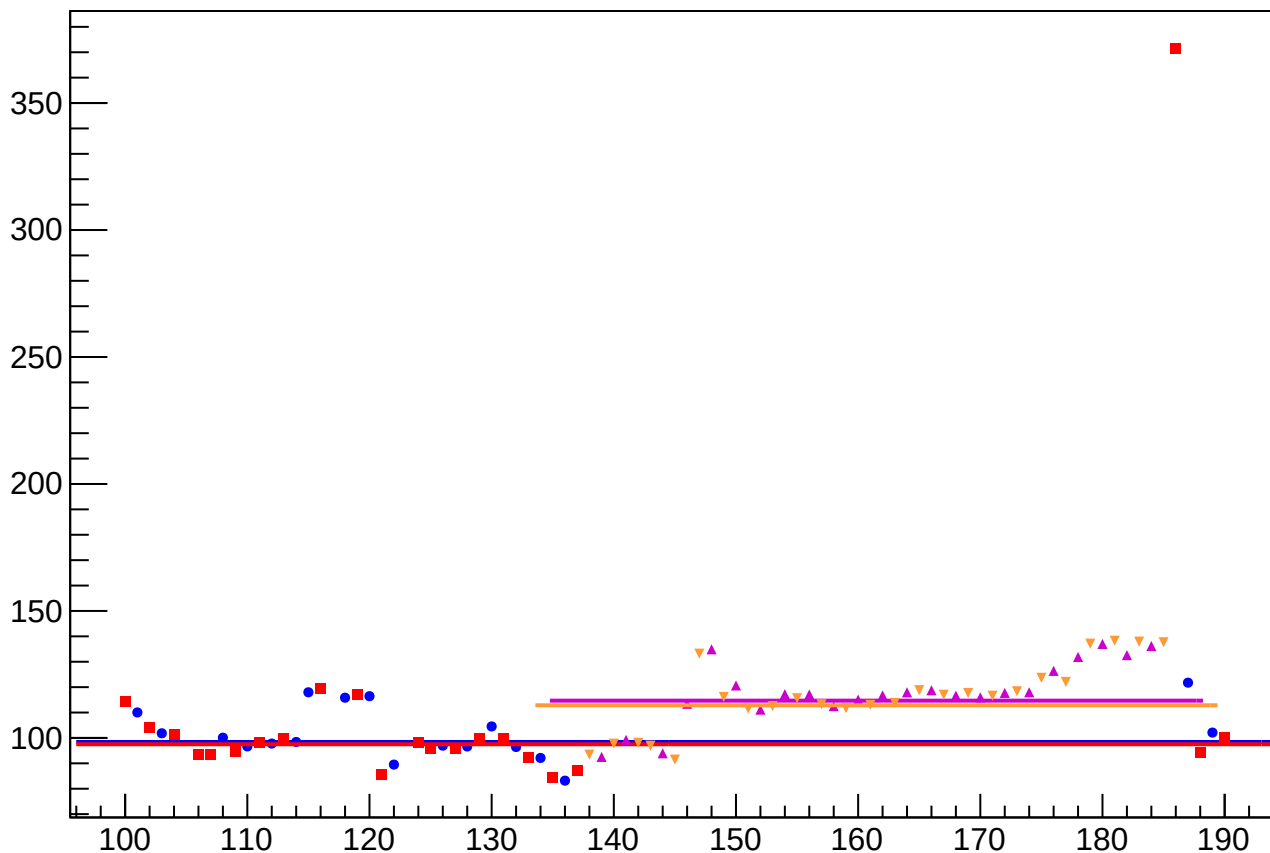
Left In: 162.028+/-26.948 χ^2/NDF : 23.6/22

+ sign -107.975+/-20.790 χ^2/NDF : 64.2/42

All: 0.900+/-14.696 χ^2/NDF : 170.6/87

- sign 109.643+/-20.777 χ^2/NDF : 51.6/44

dit_asym_sam_15_dd_rms vs Slug



Right In: 98.403 $\pm$ 0.025 χ^2 /NDF: 156567.2/17

Left Out: 112.850 $\pm$ 0.018 χ^2 /NDF: 512260.6/24

Right Out: 97.515 $\pm$ 0.023 χ^2 /NDF: 560486.9/21

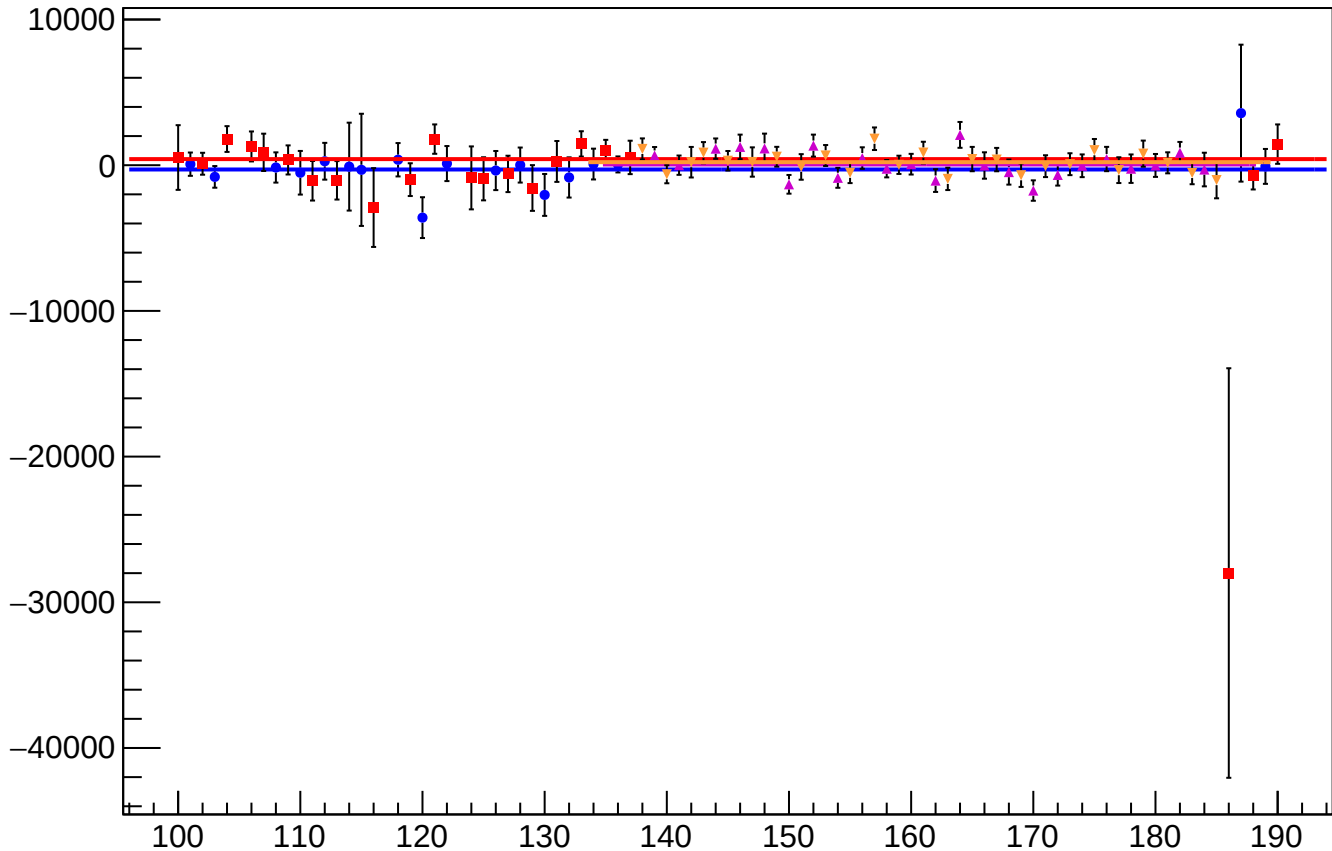
Left In: 114.677 $\pm$ 0.019 χ^2 /NDF: 409932.2/22

+ sign 107.769 $\pm$ 0.015 χ^2 /NDF: 889014.0/42

All: 107.743 $\pm$ 0.010 χ^2 /NDF: 2188414.9/87

- sign 107.717 $\pm$ 0.015 χ^2 /NDF: 1299394.6/44

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -293.466 ± 260.680 χ^2/NDF : 9.9/17

Left Out: 209.377 ± 153.925 χ^2/NDF : 18.9/24

Right Out: 418.858 ± 244.246 χ^2/NDF : 22.4/21

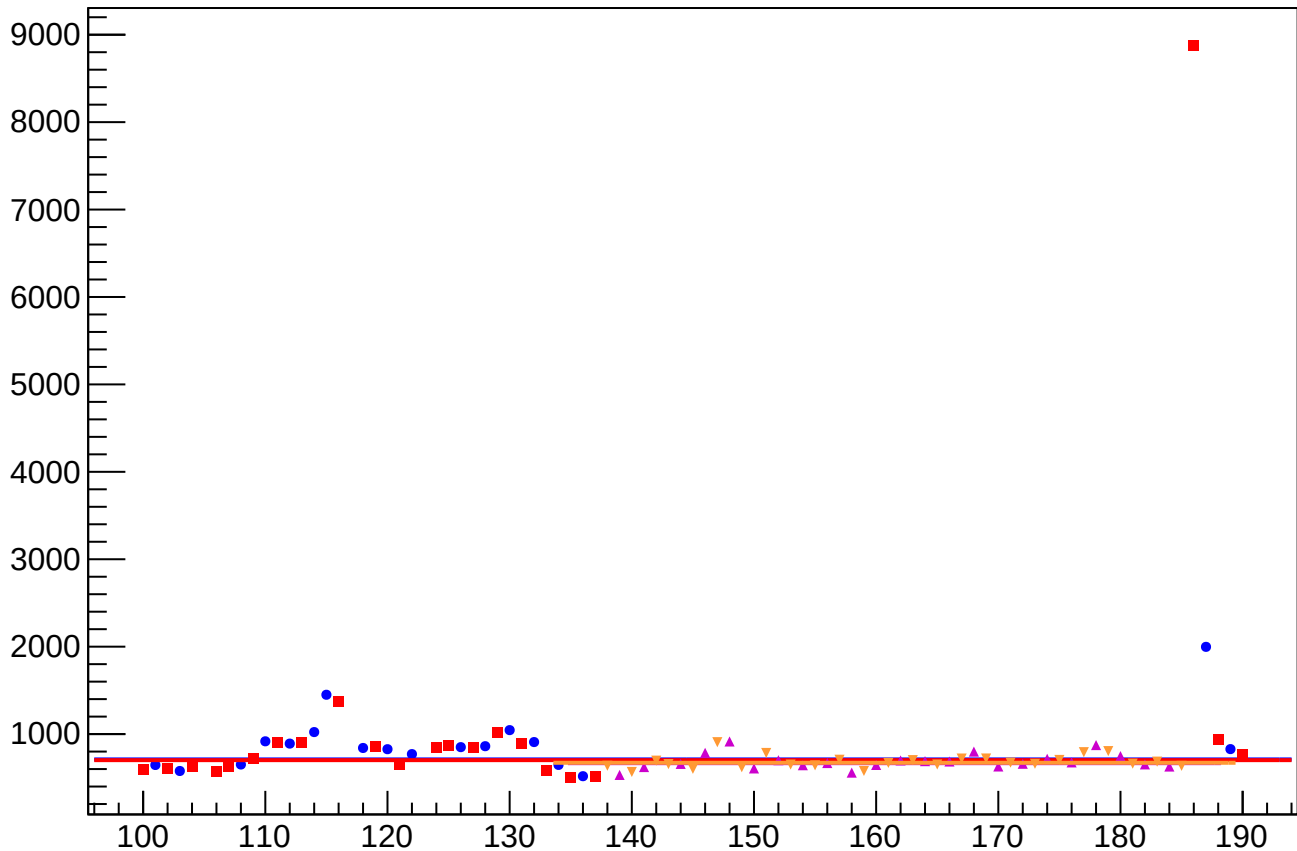
Left In: 50.266 ± 157.485 χ^2/NDF : 33.3/22

+ sign 79.380 ± 132.544 χ^2/NDF : 31.5/42

All: 118.999 ± 93.657 χ^2/NDF : 89.0/87

- sign 158.506 ± 132.357 χ^2/NDF : 57.3/44

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 710.041 $\pm$ 0.184 χ^2 /NDF: 926140.1/17

Left Out: 671.849 $\pm$ 0.109 χ^2 /NDF: 399159.9/24

Right Out: 701.951 $\pm$ 0.173 χ^2 /NDF: 1575459.6/21

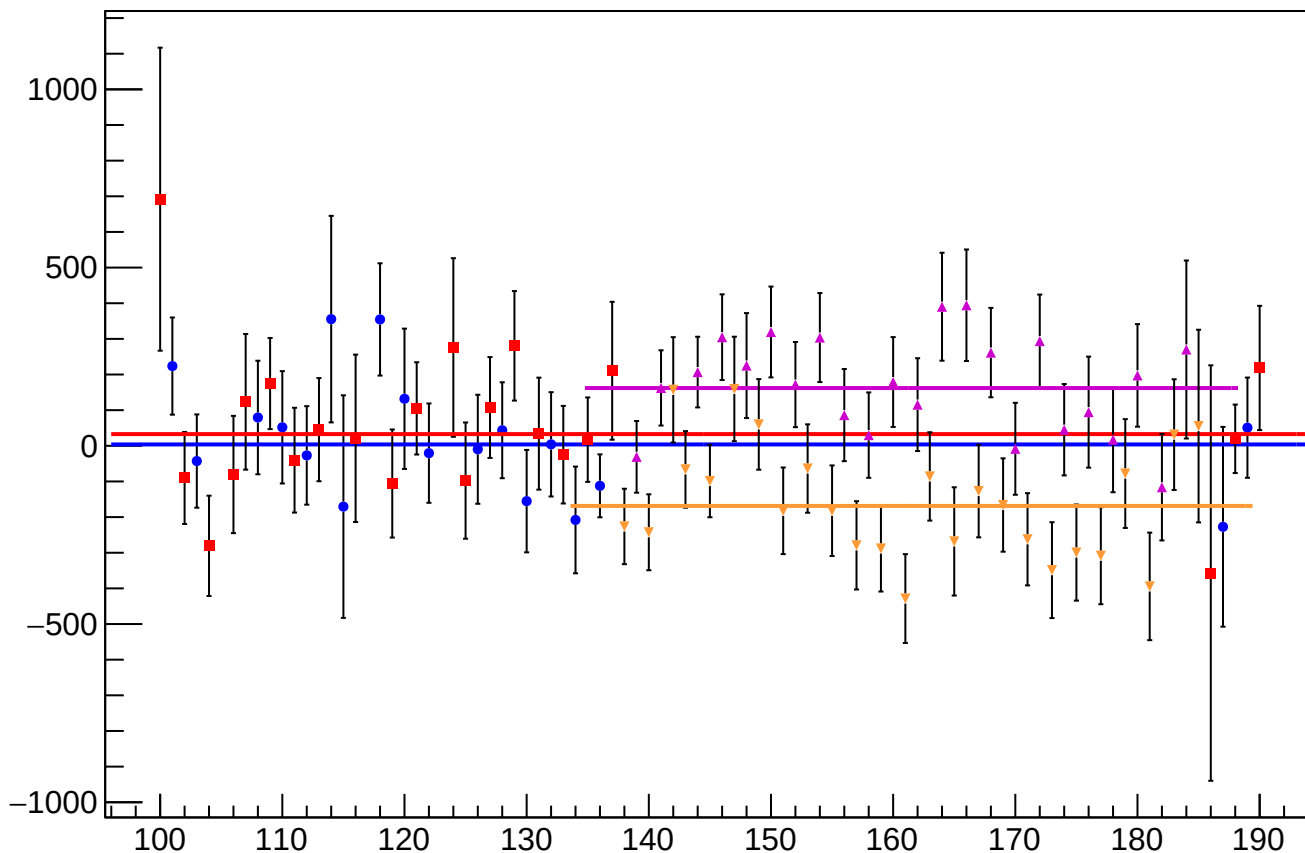
Left In: 667.341 $\pm$ 0.111 χ^2 /NDF: 546903.6/22

+ sign 681.722 $\pm$ 0.094 χ^2 /NDF: 1357132.5/42

All: 679.611 $\pm$ 0.066 χ^2 /NDF: 3508875.6/87

- sign 677.505 $\pm$ 0.094 χ^2 /NDF: 2150729.2/44

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 3.870 $\pm$ 35.059 χ^2/NDF : 16.1/17

Left Out: -168.635 $\pm$ 25.819 χ^2/NDF :32.4/24

Right Out: 32.848 $\pm$ 32.627 χ^2/NDF : 18.7/21

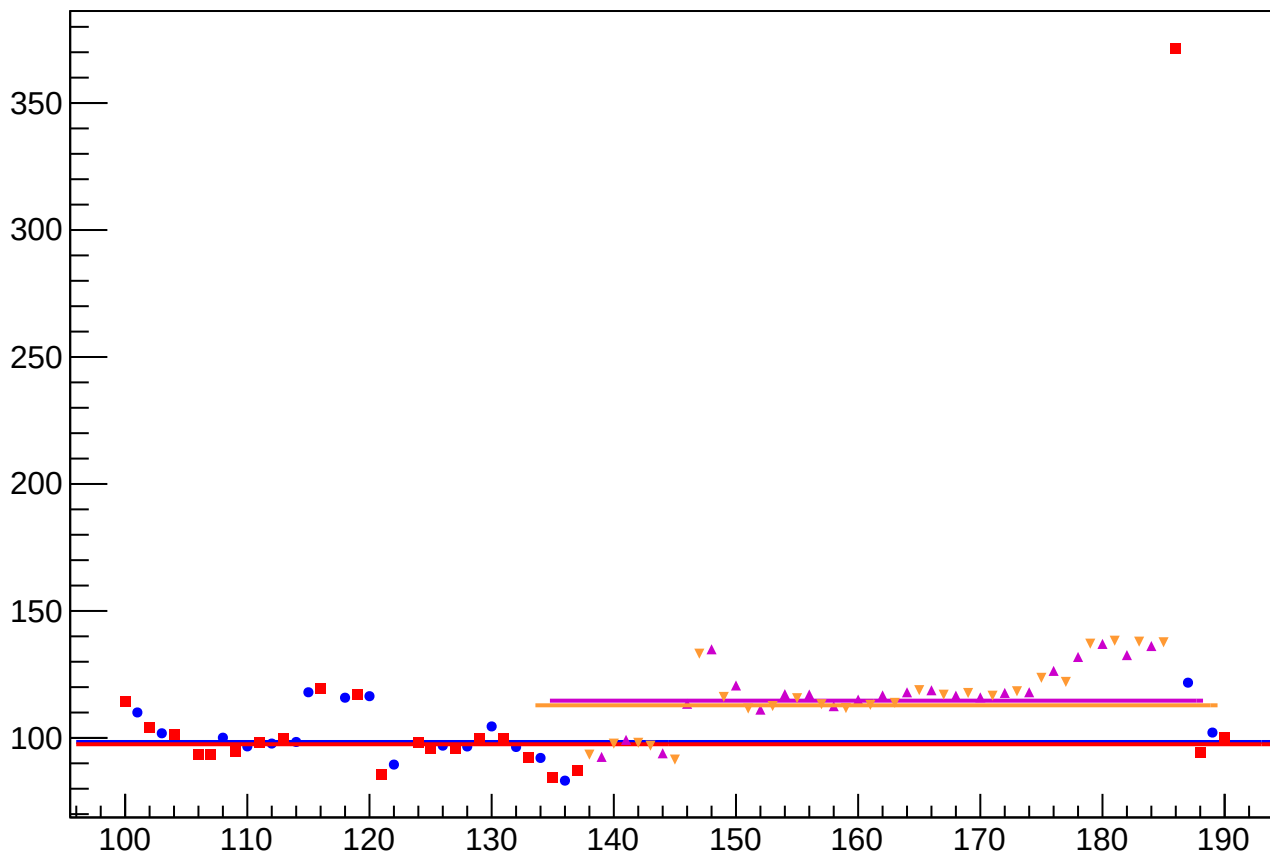
Left In: 162.028 $\pm$ 26.948 χ^2/NDF :23.6/22

+ sign -107.974 $\pm$ 20.790 χ^2/NDF : 64.2/42

All: 0.900 $\pm$ 14.696 χ^2/NDF : 170.6/87

- sign 109.642 $\pm$ 20.777 χ^2/NDF : 51.6/44

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 98.402 $\pm$ 0.025 χ^2 /NDF: 156569.8/17

Left Out: 112.850 $\pm$ 0.018 χ^2 /NDF: 512254.2/24

Right Out: 97.514 $\pm$ 0.023 χ^2 /NDF: 560485.1/21

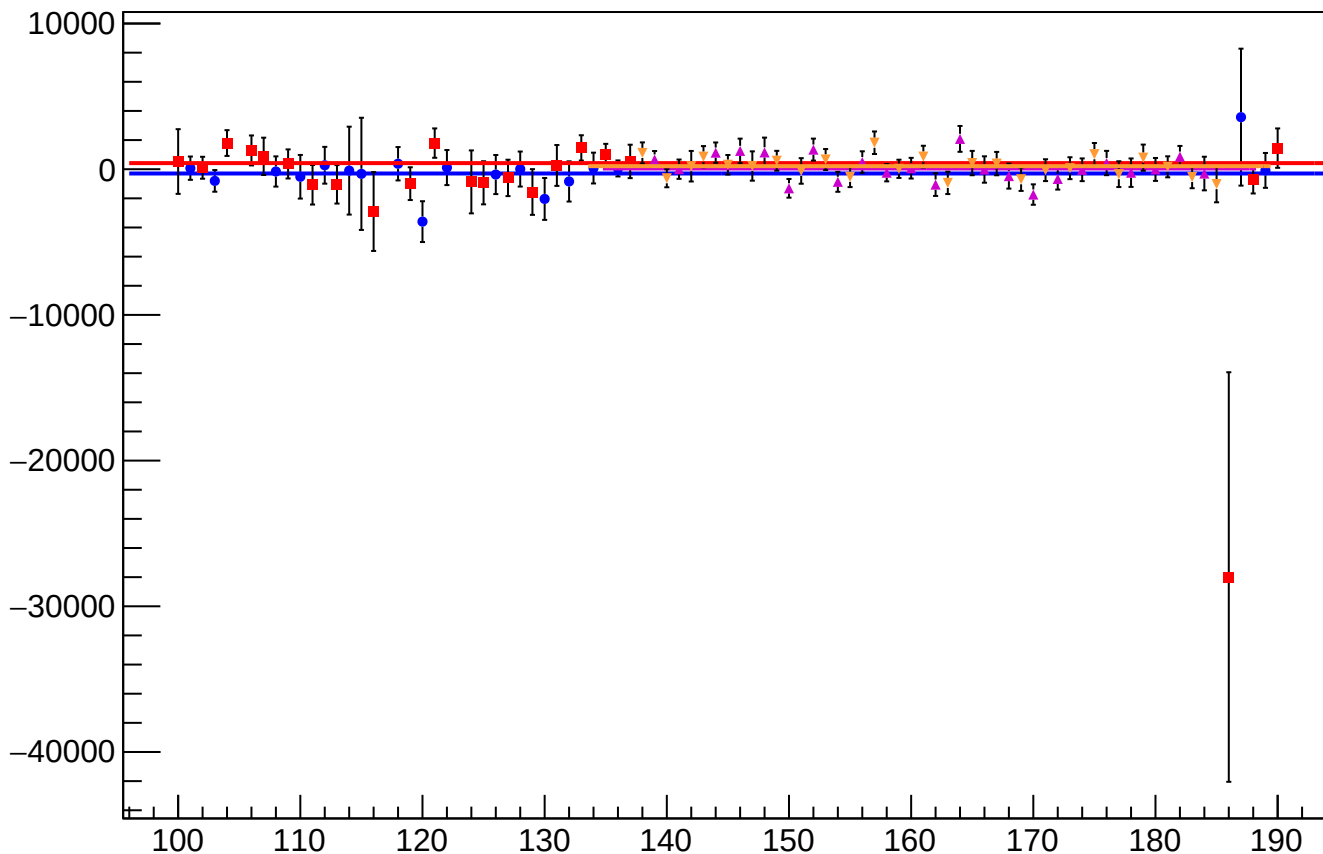
Left In: 114.677 $\pm$ 0.019 χ^2 /NDF: 409929.2/22

+ sign 107.769 $\pm$ 0.015 χ^2 /NDF: 889017.7/42

All: 107.743 $\pm$ 0.010 χ^2 /NDF: 2188426.3/87

- sign 107.717 $\pm$ 0.015 χ^2 /NDF: 1299402.3/44

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -293.465+/-260.680 χ^2/NDF : 9.9/17

Left Out: 209.377+/-153.926 χ^2/NDF : 18.9/24

Right Out: 418.859+/-244.245 χ^2/NDF : 22.4/21

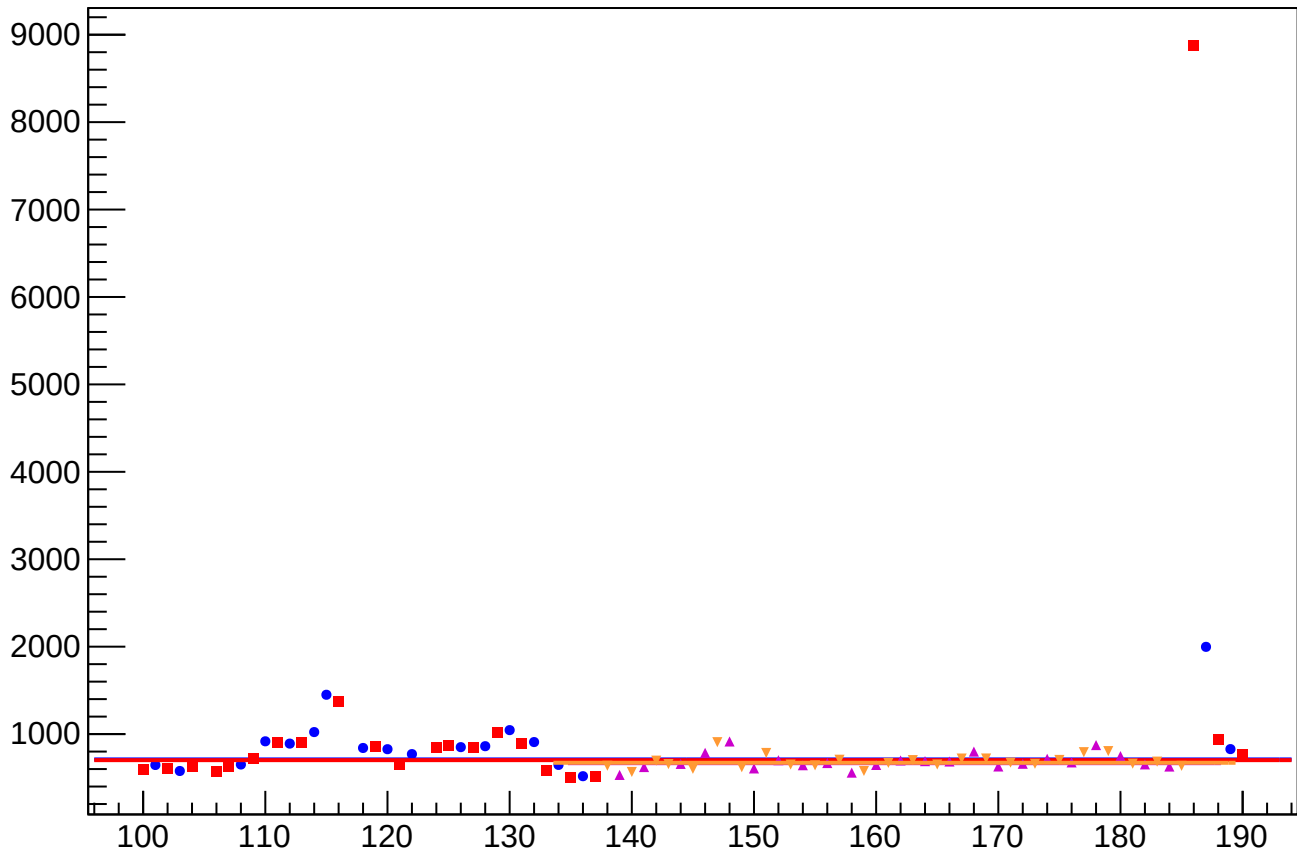
Left In: 50.267+/-157.485 χ^2/NDF : 33.3/22

+ sign 79.379+/-132.544 χ^2/NDF : 31.5/42

All: 118.999+/-93.657 χ^2/NDF : 89.0/87

- sign 158.507+/-132.357 χ^2/NDF : 57.3/44

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 710.040 $\pm$ 0.184 χ^2 /NDF: 926144.4/17

Left Out: 671.849 $\pm$ 0.109 χ^2 /NDF: 399160.3/24

Right Out: 701.950 $\pm$ 0.173 χ^2 /NDF: 1575465.9/21

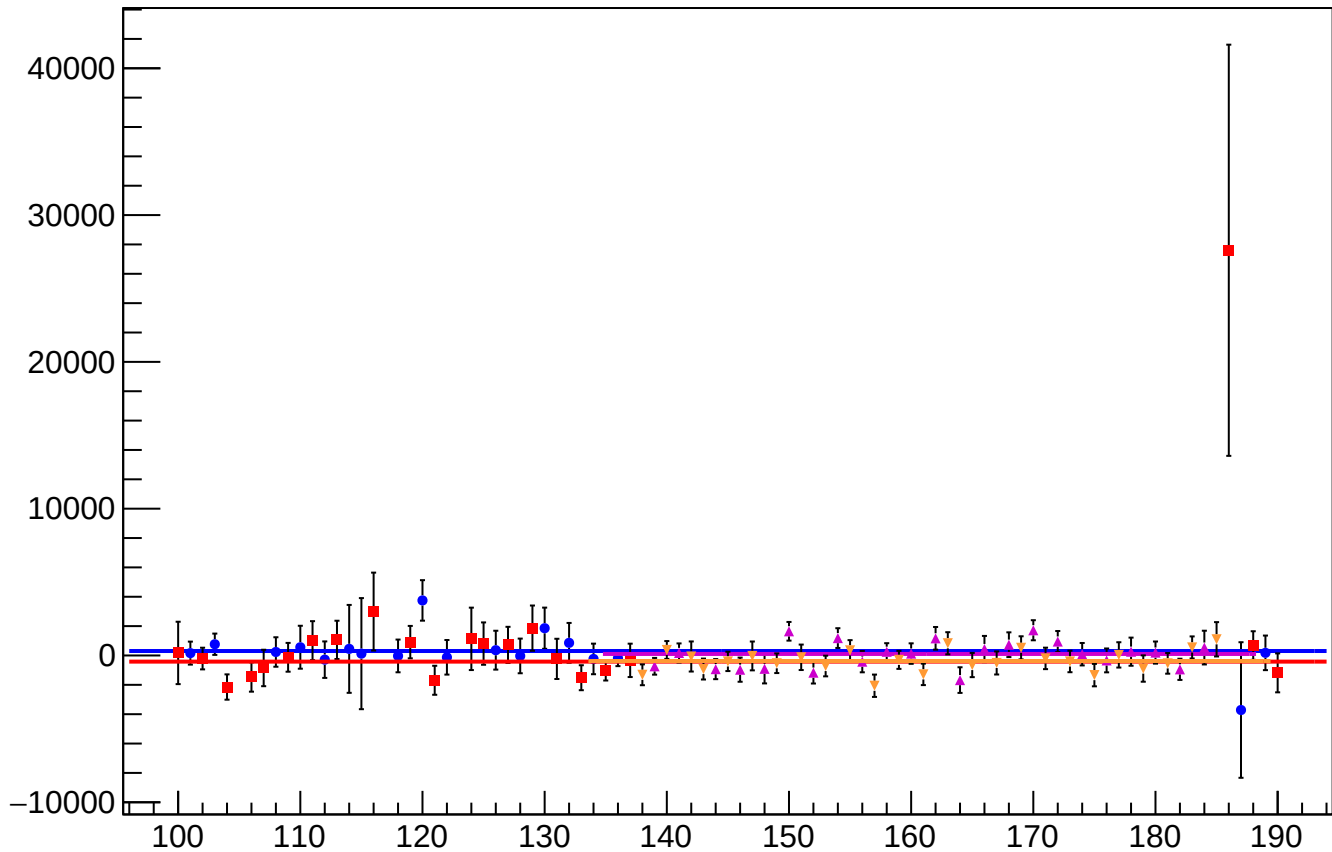
Left In: 667.342 $\pm$ 0.111 χ^2 /NDF: 546905.8/22

+ sign 681.722 $\pm$ 0.094 χ^2 /NDF: 1357134.1/42

All: 679.611 $\pm$ 0.066 χ^2 /NDF: 3508882.5/87

- sign 677.505 $\pm$ 0.094 χ^2 /NDF: 2150734.4/44

asym_sam_15_dd_mean vs Slug



Right In: 304.015 $\pm$ 255.664 χ^2 /NDF: 10.5/17

Left Out: -377.221 $\pm$ 150.952 χ^2 /NDF:21.4/24

Right Out: -418.523 $\pm$ 239.302 χ^2 /NDF: 25.1/21

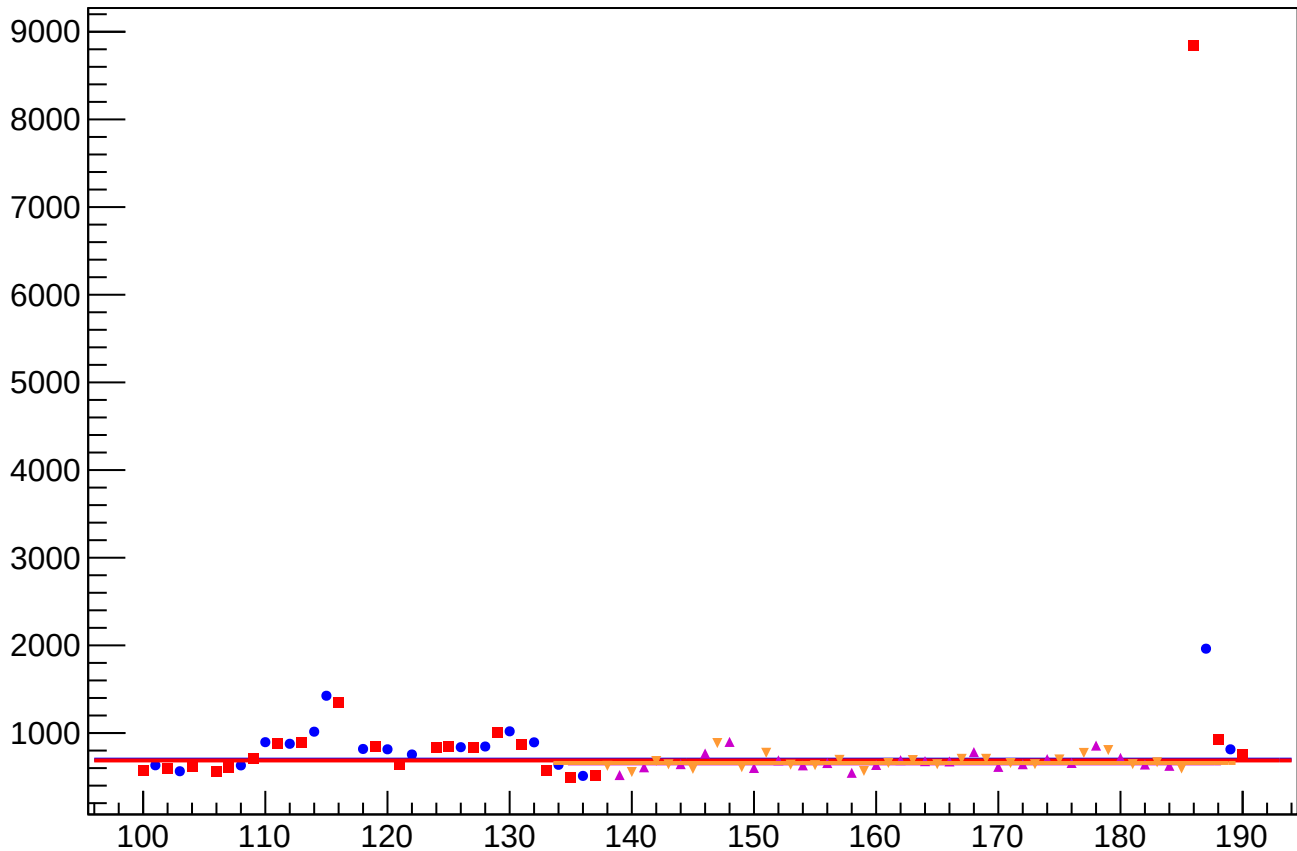
Left In: 103.321 $\pm$ 154.335 χ^2 /NDF:35.5/22

+ sign -201.125 $\pm$ 129.985 χ^2 /NDF: 37.2/42

All: -125.384 $\pm$ 91.813 χ^2 /NDF: 101.8/87

- sign -49.975 $\pm$ 129.700 χ^2 /NDF: 64.0/44

asym_sam_15_dd_rms vs Slug



Right In: 696.331+/-0.181 χ^2/NDF : 922718.4/17

Left Out: 658.672+/-0.107 χ^2/NDF : 409684.4/24

Right Out: 687.329+/-0.169 χ^2/NDF : 1589618.7/21

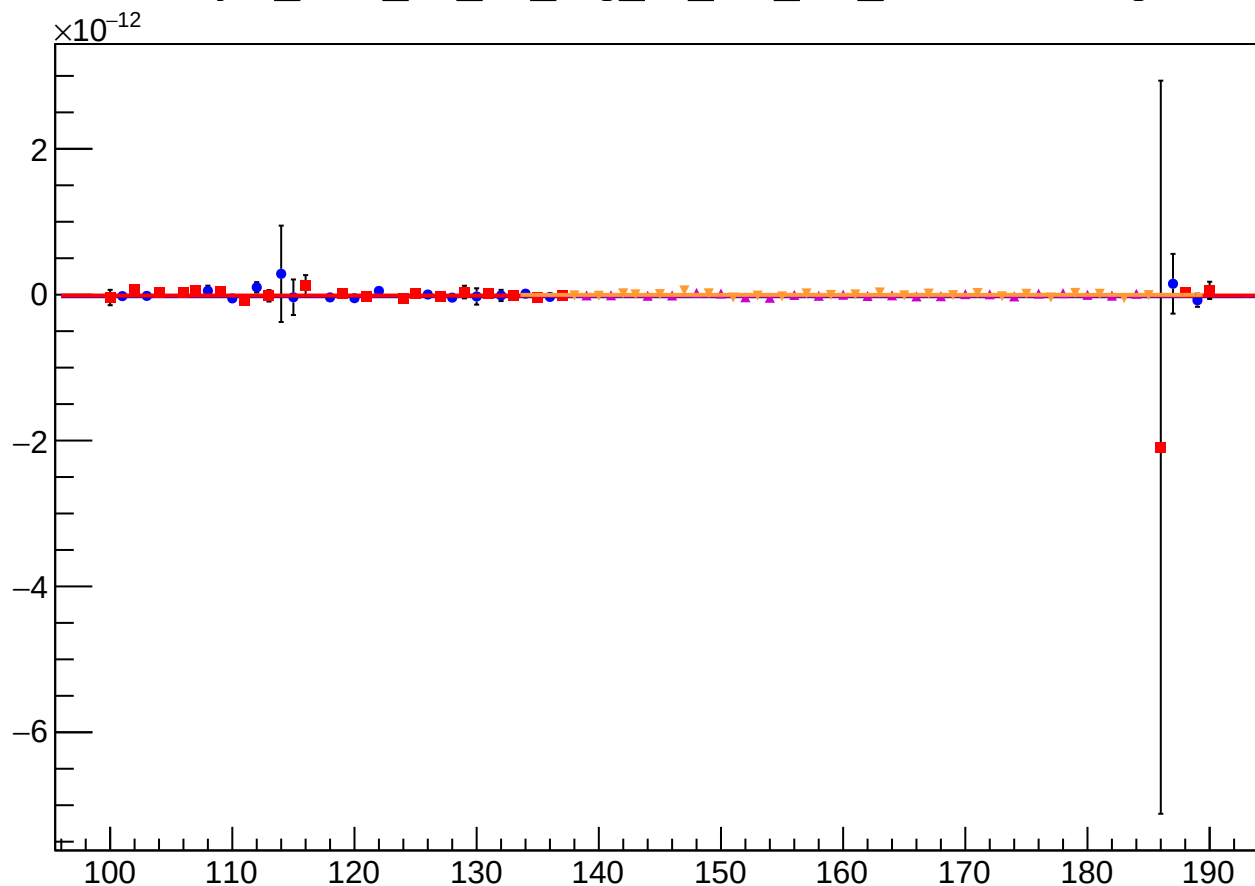
Left In: 653.950+/-0.109 χ^2/NDF : 542078.1/22

+ sign 668.407+/-0.092 χ^2/NDF : 1364580.0/42

All: 666.076+/-0.065 χ^2/NDF : 3525041.2/87

- sign 663.755+/-0.092 χ^2/NDF : 2159177.7/44

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 10.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 31.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.1/21

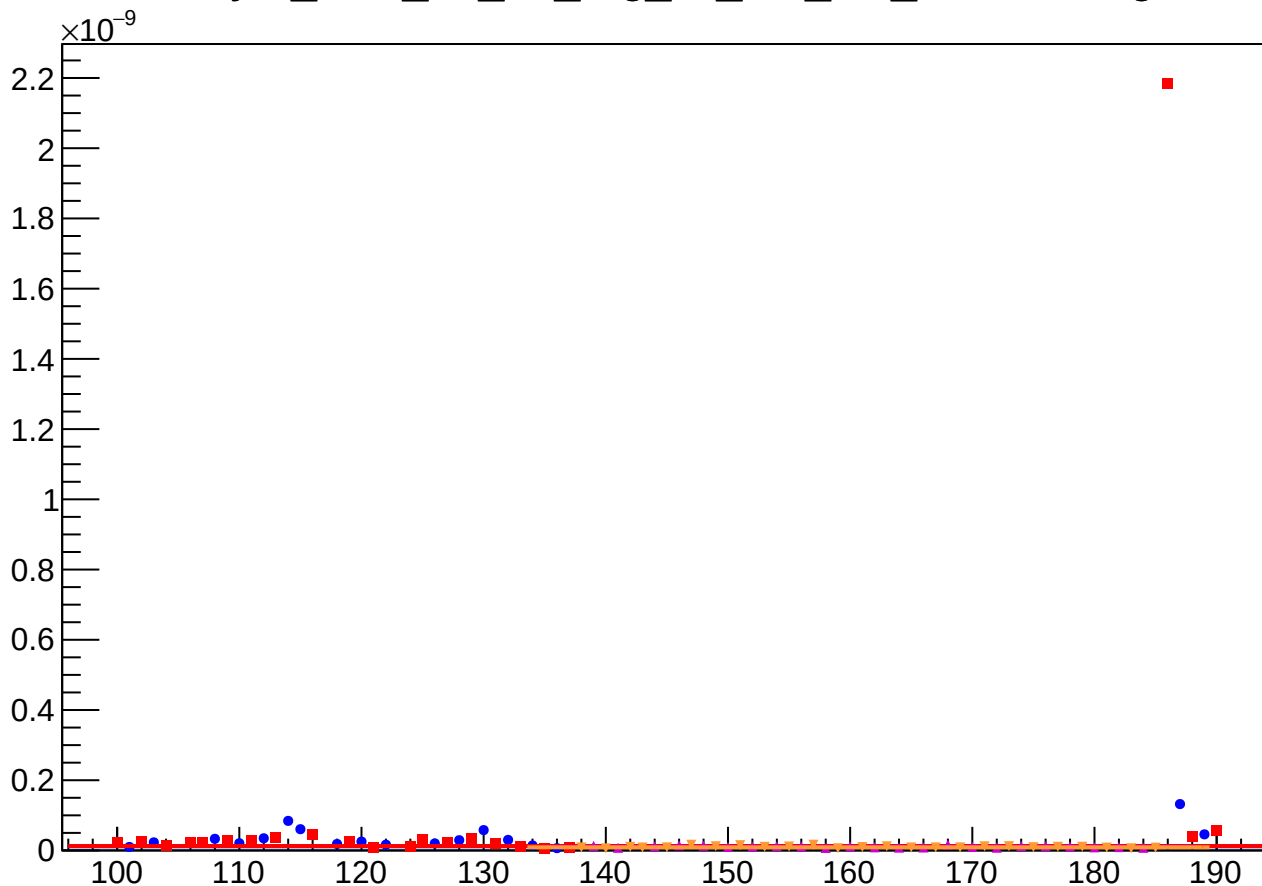
Left In: -0.000 ± 0.000 χ^2/NDF : 15.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 47.4/42

All: -0.000 ± 0.000 χ^2/NDF : 81.9/87

- sign -0.000 ± 0.000 χ^2/NDF : 33.9/44

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2616054.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1037287.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3250489.7/21

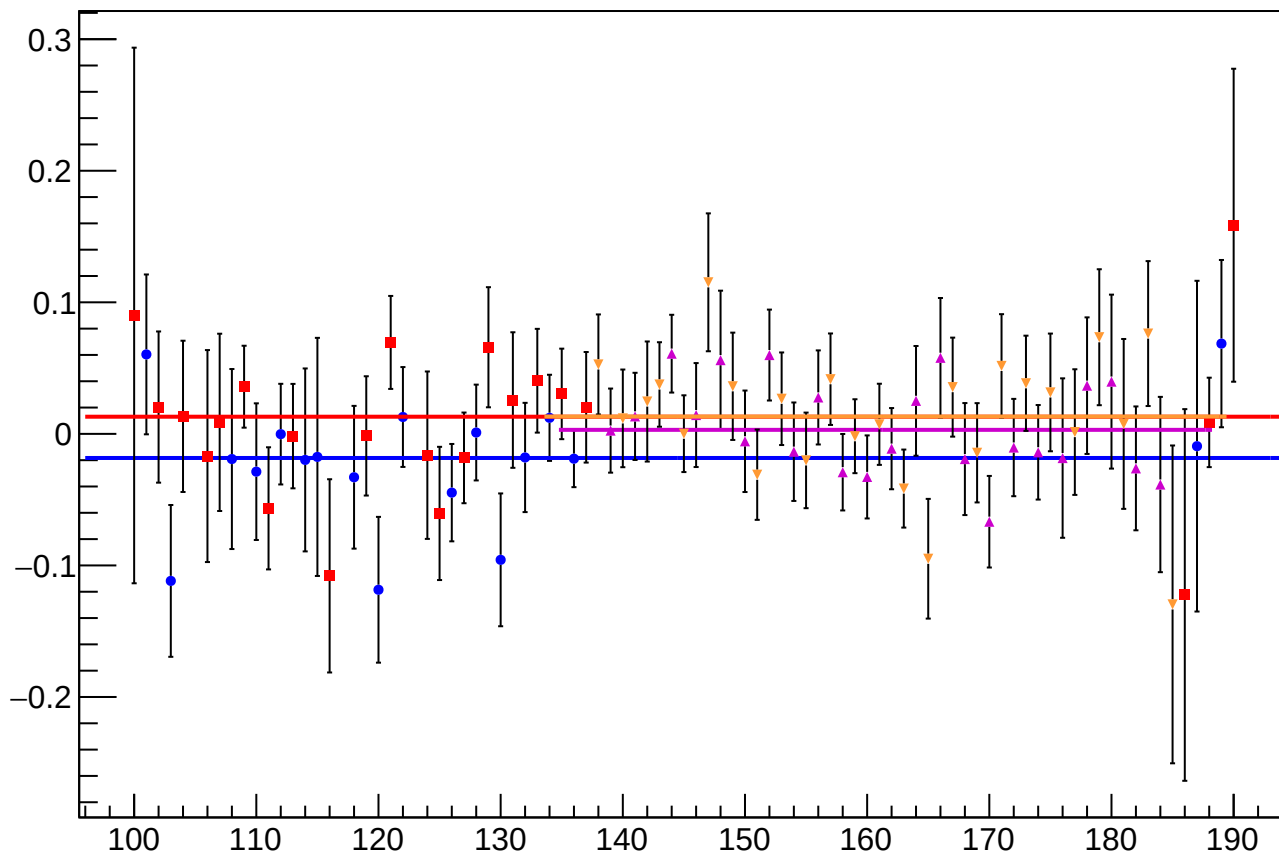
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 659247.6/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 3918098.4/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 8107699.7/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4058091.8/44

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018 ± 0.010 χ^2/NDF : 14.5/17

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.013 ± 0.010 χ^2/NDF : 16.3/21

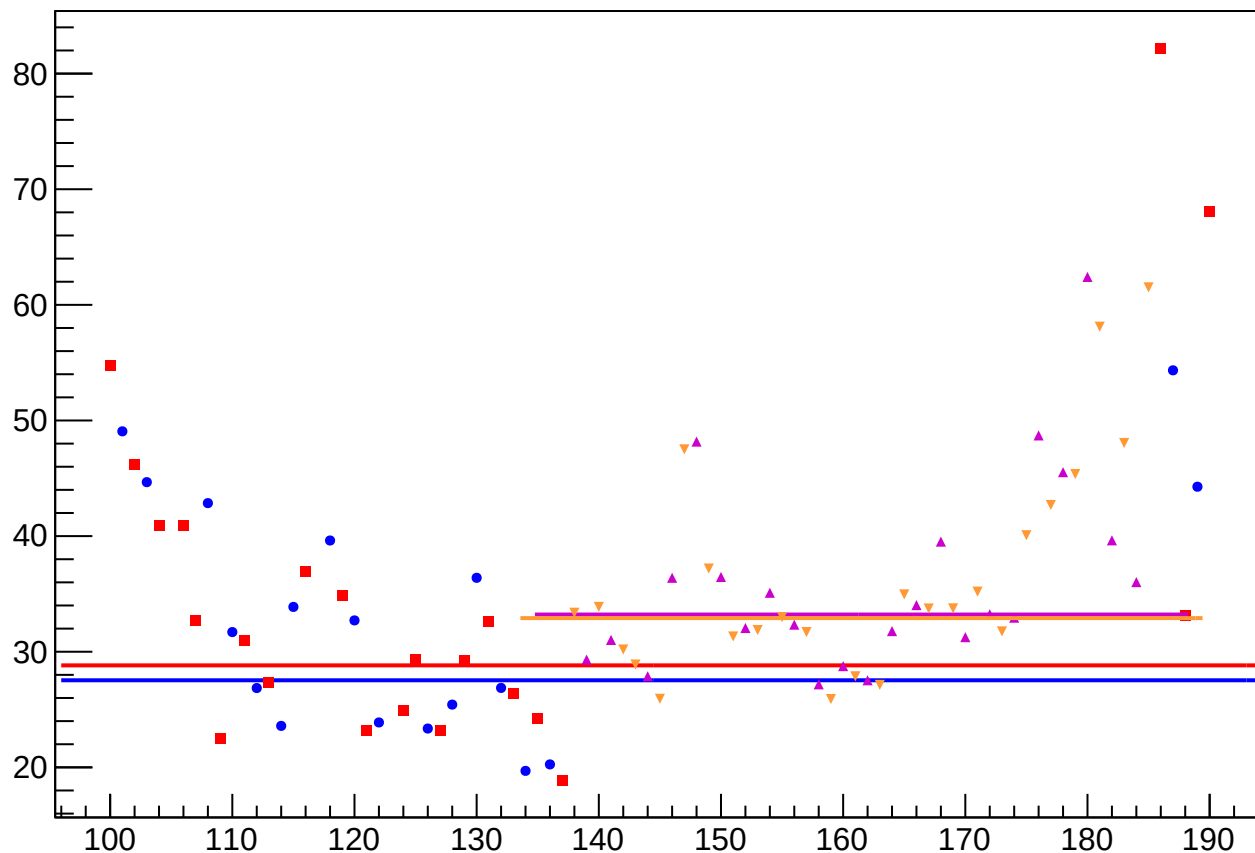
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.002 ± 0.006 χ^2/NDF : 45.8/42

All: 0.004 ± 0.004 χ^2/NDF : 82.3/87

- sign 0.007 ± 0.006 χ^2/NDF : 36.1/44

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.531+/-0.007 χ^2/NDF : 1357715.2/17

Left Out: 32.907+/-0.005 χ^2/NDF : 1427924.1/24

Right Out: 28.821+/-0.007 χ^2/NDF : 1316505.4/21

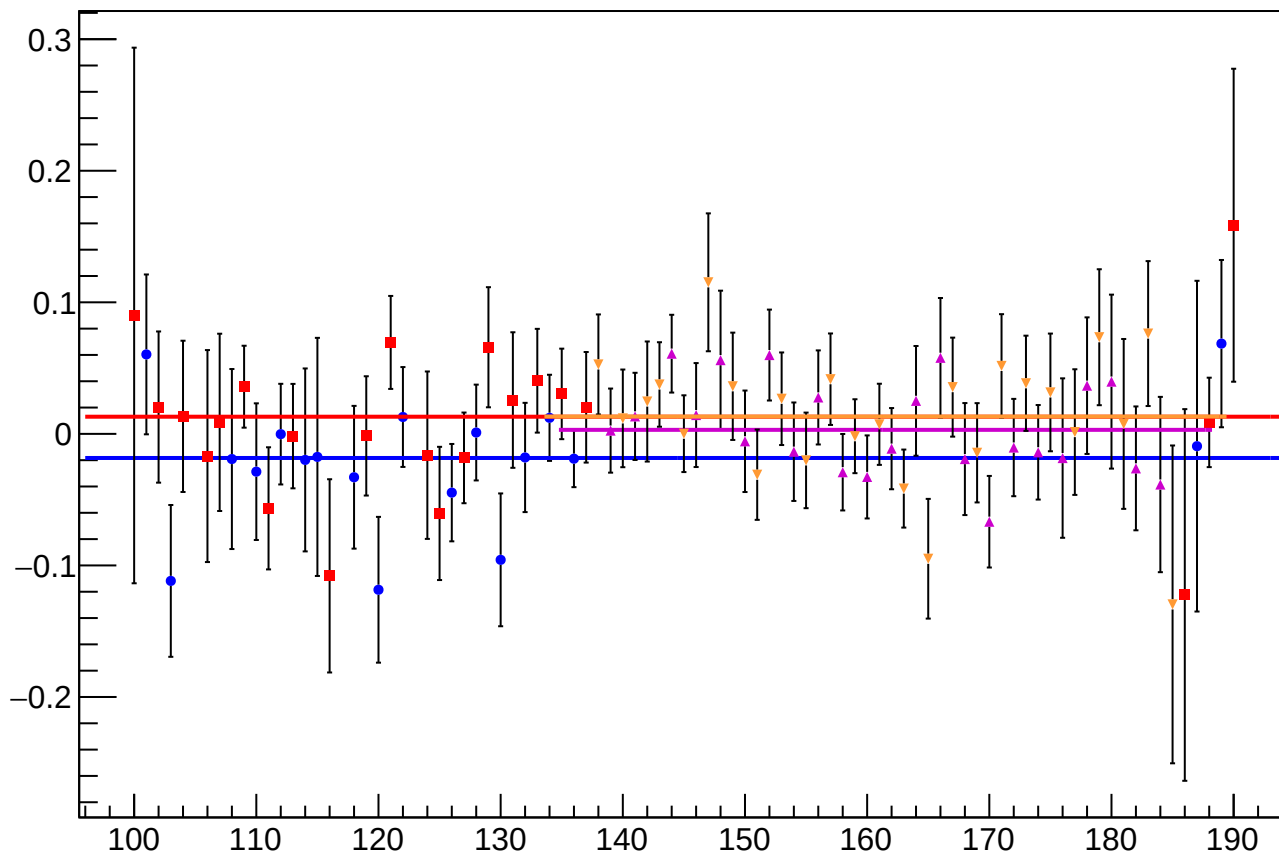
Left In: 33.217+/-0.006 χ^2/NDF : 1221447.0/22

+ sign 30.994+/-0.004 χ^2/NDF : 3134464.5/42

All: 31.251+/-0.003 χ^2/NDF : 5915621.8/87

- sign 31.513+/-0.004 χ^2/NDF : 2774161.2/44

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.018 ± 0.010 χ^2/NDF : 14.5/17

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.013 ± 0.010 χ^2/NDF : 16.3/21

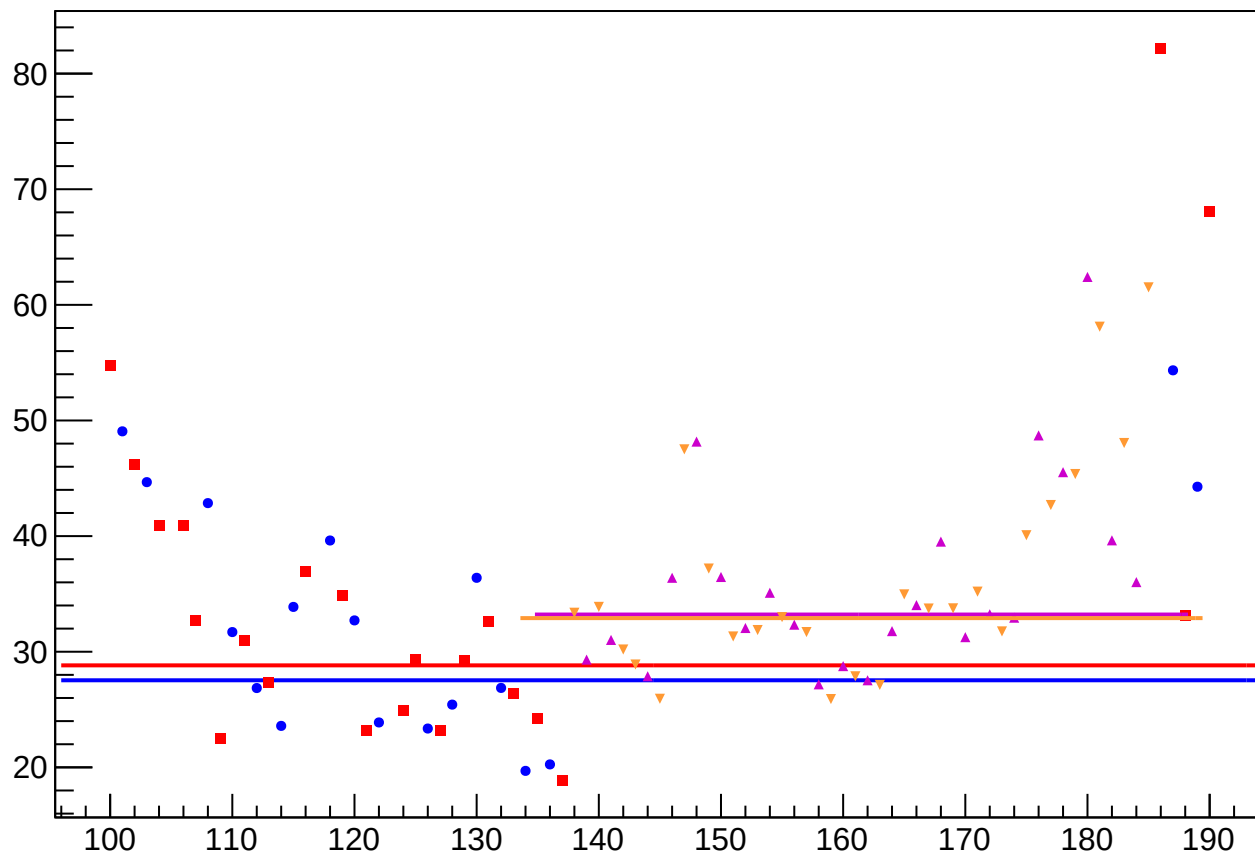
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.002 ± 0.006 χ^2/NDF : 45.8/42

All: 0.004 ± 0.004 χ^2/NDF : 82.3/87

- sign 0.007 ± 0.006 χ^2/NDF : 36.1/44

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.531 $\pm$ 0.007 χ^2 /NDF: 1357715.2/17

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF: 1427924.1/24

Right Out: 28.821 $\pm$ 0.007 χ^2 /NDF: 1316505.4/21

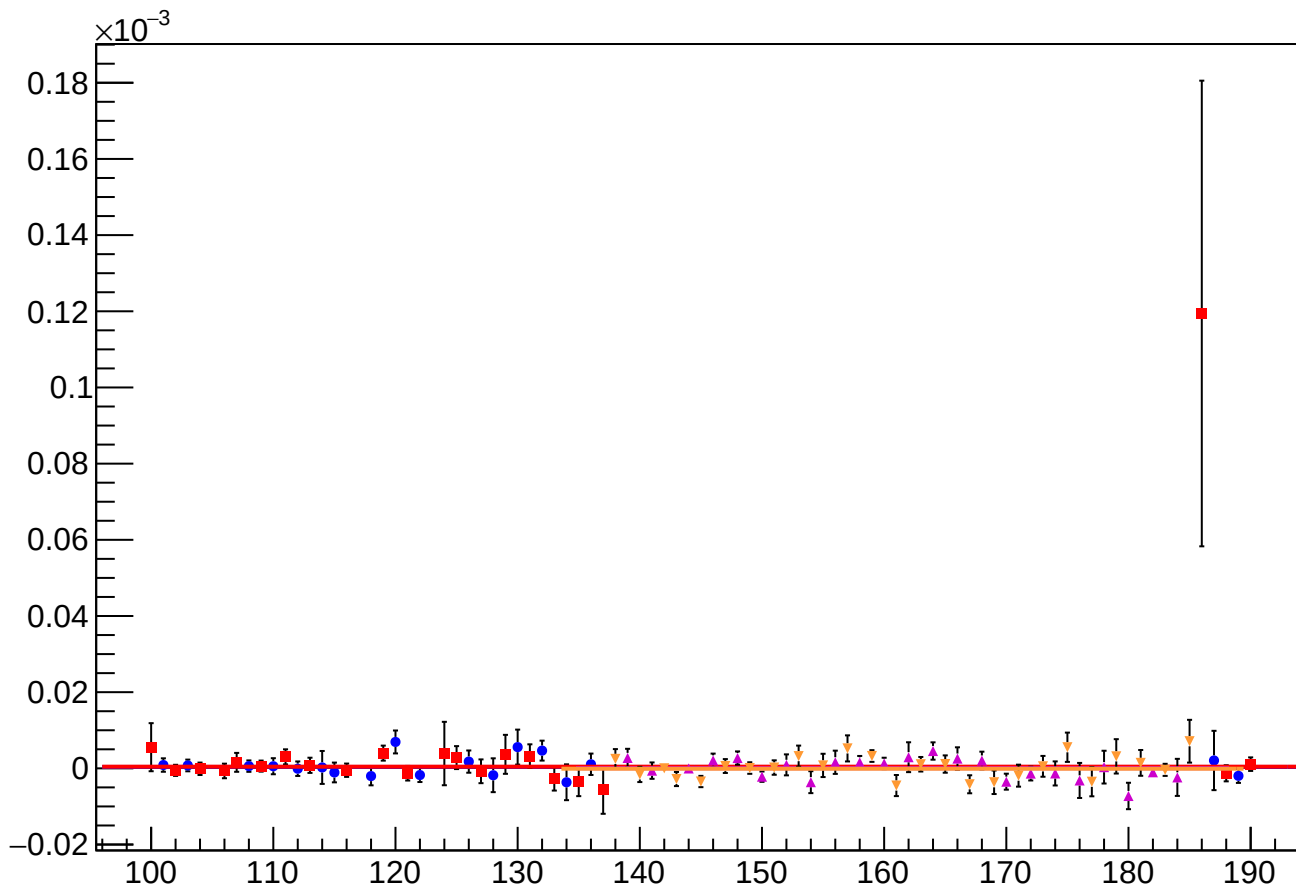
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF: 1221447.0/22

+ sign 30.994 $\pm$ 0.004 χ^2 /NDF: 3134464.5/42

All: 31.251 $\pm$ 0.003 χ^2 /NDF: 5915621.8/87

- sign 31.513 $\pm$ 0.004 χ^2 /NDF: 2774161.2/44

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:31.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/21

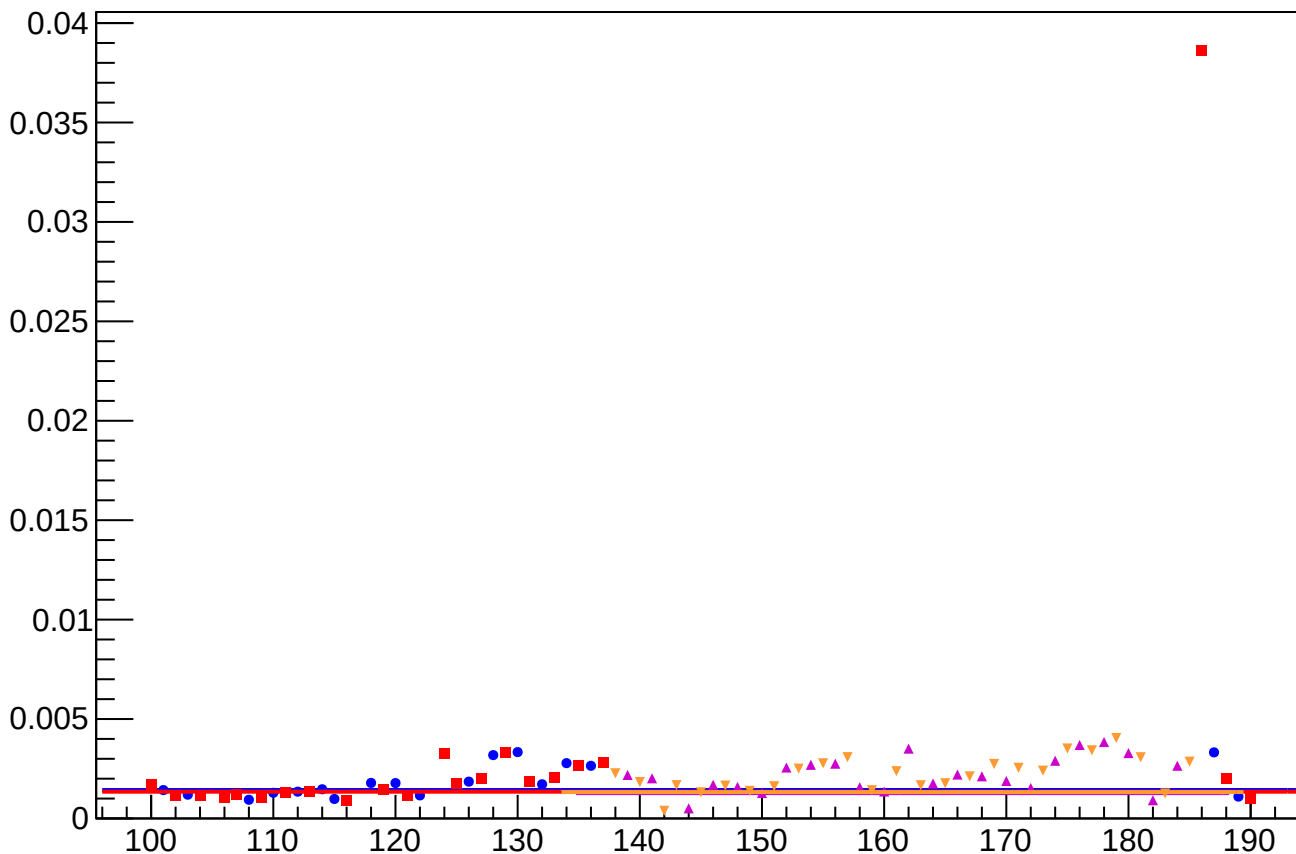
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:27.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 46.0/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 91.3/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45.3/44

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 1895664.1/17

Left Out: 0.001+/-0.000 χ^2/NDF : 11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF : 2428286.3/21

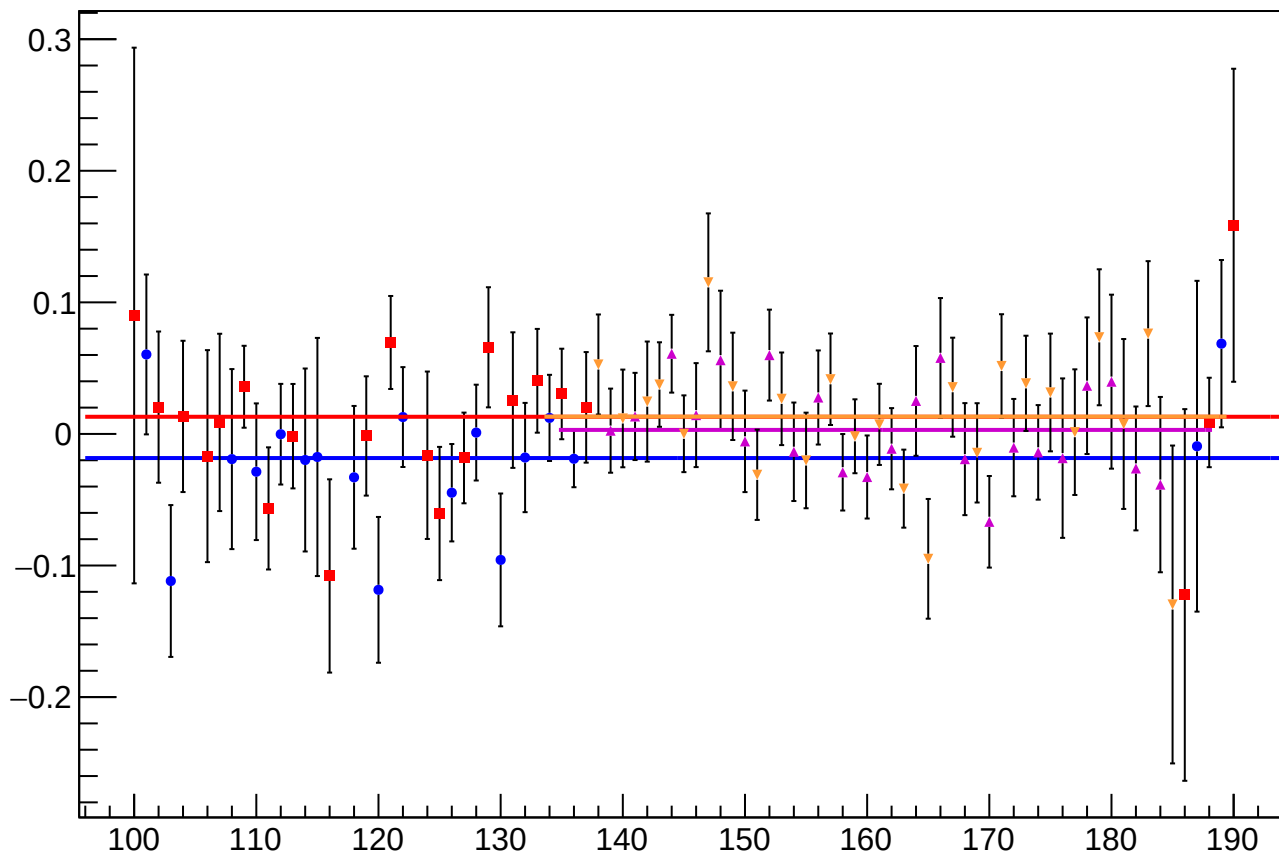
Left In: 0.001+/-0.000 χ^2/NDF : 9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF : 13104951.0/42

All: 0.001+/-0.000 χ^2/NDF : 25480811.2/87

- sign 0.001+/-0.000 χ^2/NDF : 12335254.1/44

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.018 ± 0.010 χ^2/NDF : 14.5/17

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.013 ± 0.010 χ^2/NDF : 16.3/21

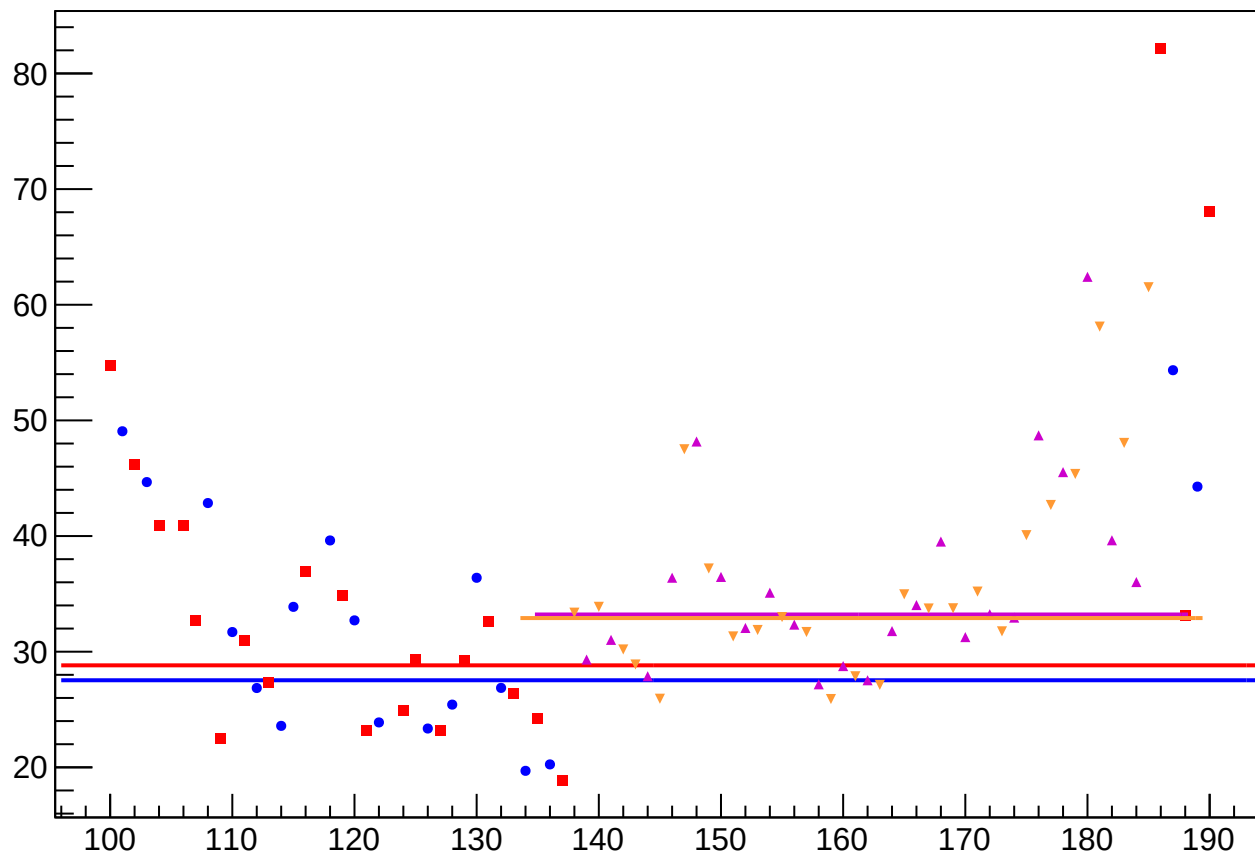
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.002 ± 0.006 χ^2/NDF : 45.8/42

All: 0.004 ± 0.004 χ^2/NDF : 82.3/87

- sign 0.007 ± 0.006 χ^2/NDF : 36.1/44

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.530 $\pm$ 0.007 χ^2/NDF : 1357780.4/17

Left Out: 32.907 $\pm$ 0.005 χ^2/NDF : 1427993.7/24

Right Out: 28.820 $\pm$ 0.007 χ^2/NDF : 1316619.7/21

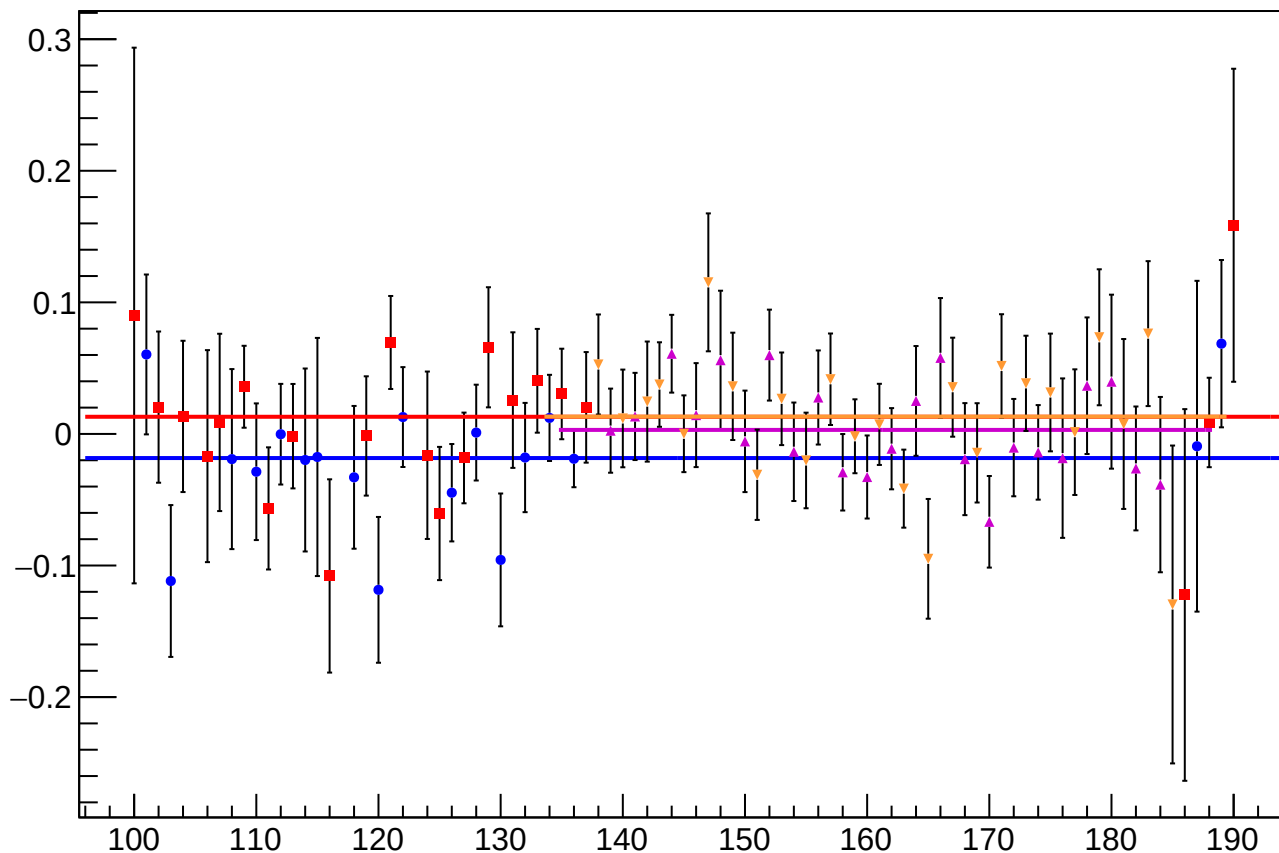
Left In: 33.217 $\pm$ 0.006 χ^2/NDF : 1221516.5/22

+ sign 30.994 $\pm$ 0.004 χ^2/NDF : 3134715.4/42

All: 31.250 $\pm$ 0.003 χ^2/NDF : 5916198.1/87

- sign 31.512 $\pm$ 0.004 χ^2/NDF : 2774489.6/44

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.018 ± 0.010 χ^2/NDF : 14.5/17

Left Out: 0.013 ± 0.008 χ^2/NDF : 25.4/24

Right Out: 0.013 ± 0.010 χ^2/NDF : 16.3/21

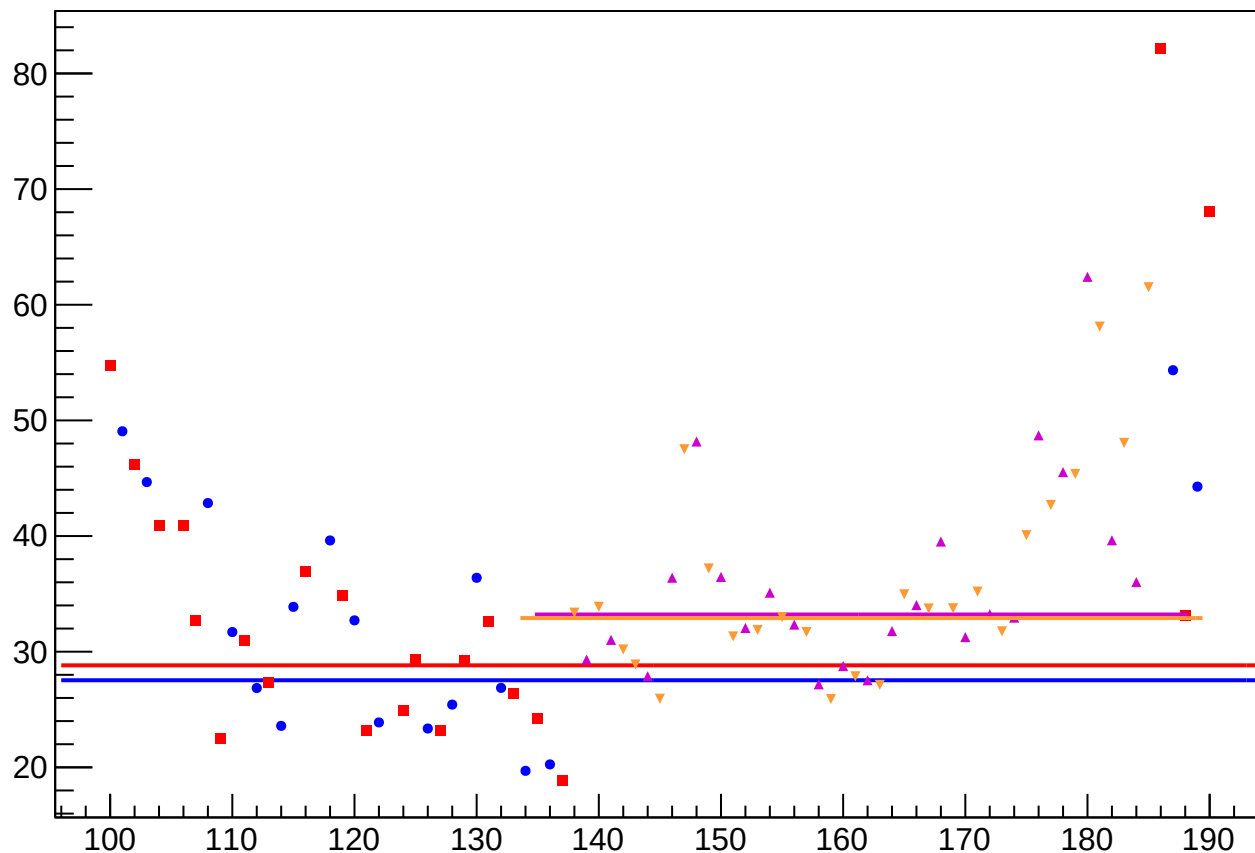
Left In: 0.003 ± 0.008 χ^2/NDF : 19.2/22

+ sign 0.002 ± 0.006 χ^2/NDF : 45.8/42

All: 0.004 ± 0.004 χ^2/NDF : 82.3/87

- sign 0.007 ± 0.006 χ^2/NDF : 36.1/44

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.530 $\pm$ 0.007 χ^2 /NDF: 1357780.4/17

Left Out: 32.907 $\pm$ 0.005 χ^2 /NDF: 1427993.7/24

Right Out: 28.820 $\pm$ 0.007 χ^2 /NDF: 1316619.7/21

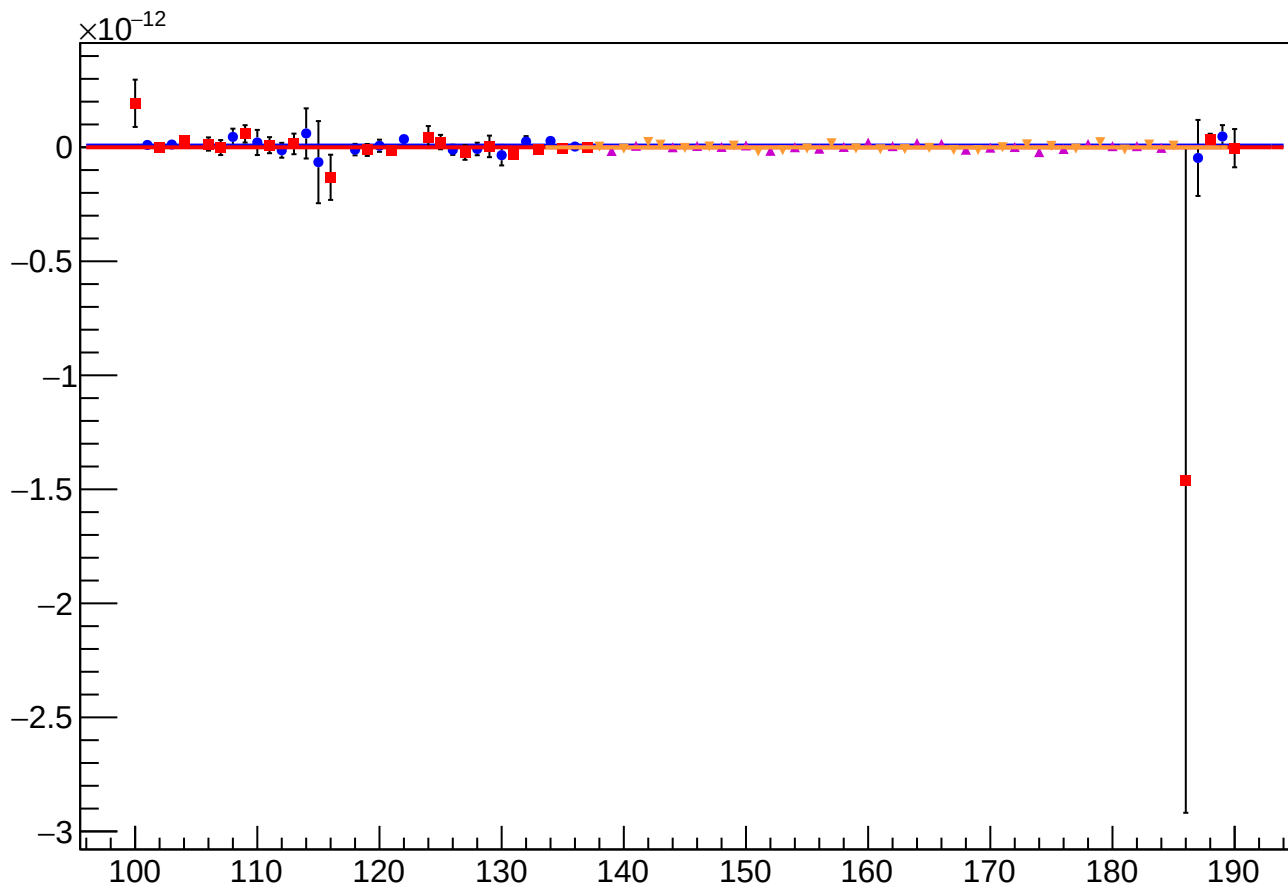
Left In: 33.217 $\pm$ 0.006 χ^2 /NDF: 1221516.5/22

+ sign 30.994 $\pm$ 0.004 χ^2 /NDF: 3134715.4/42

All: 31.250 $\pm$ 0.003 χ^2 /NDF: 5916198.1/87

- sign 31.512 $\pm$ 0.004 χ^2 /NDF: 2774489.6/44

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9.1/17

Left Out: -0.000+/-0.000 χ^2/NDF : 31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF : 17.9/21

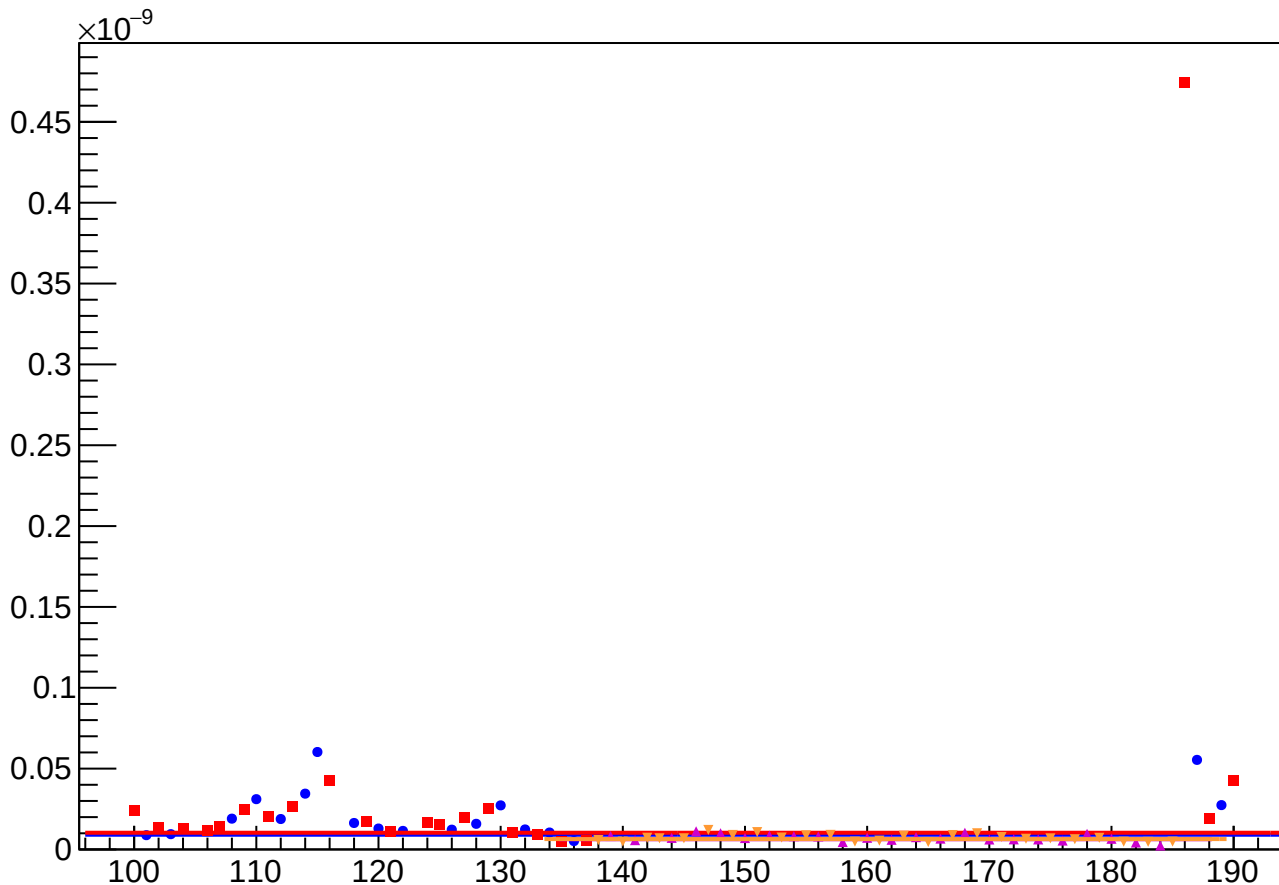
Left In: 0.000+/-0.000 χ^2/NDF : 25.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 42.6/42

All: 0.000+/-0.000 χ^2/NDF : 85.8/87

- sign 0.000+/-0.000 χ^2/NDF : 43.2/44

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2830708.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1879116.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3394967.5/21

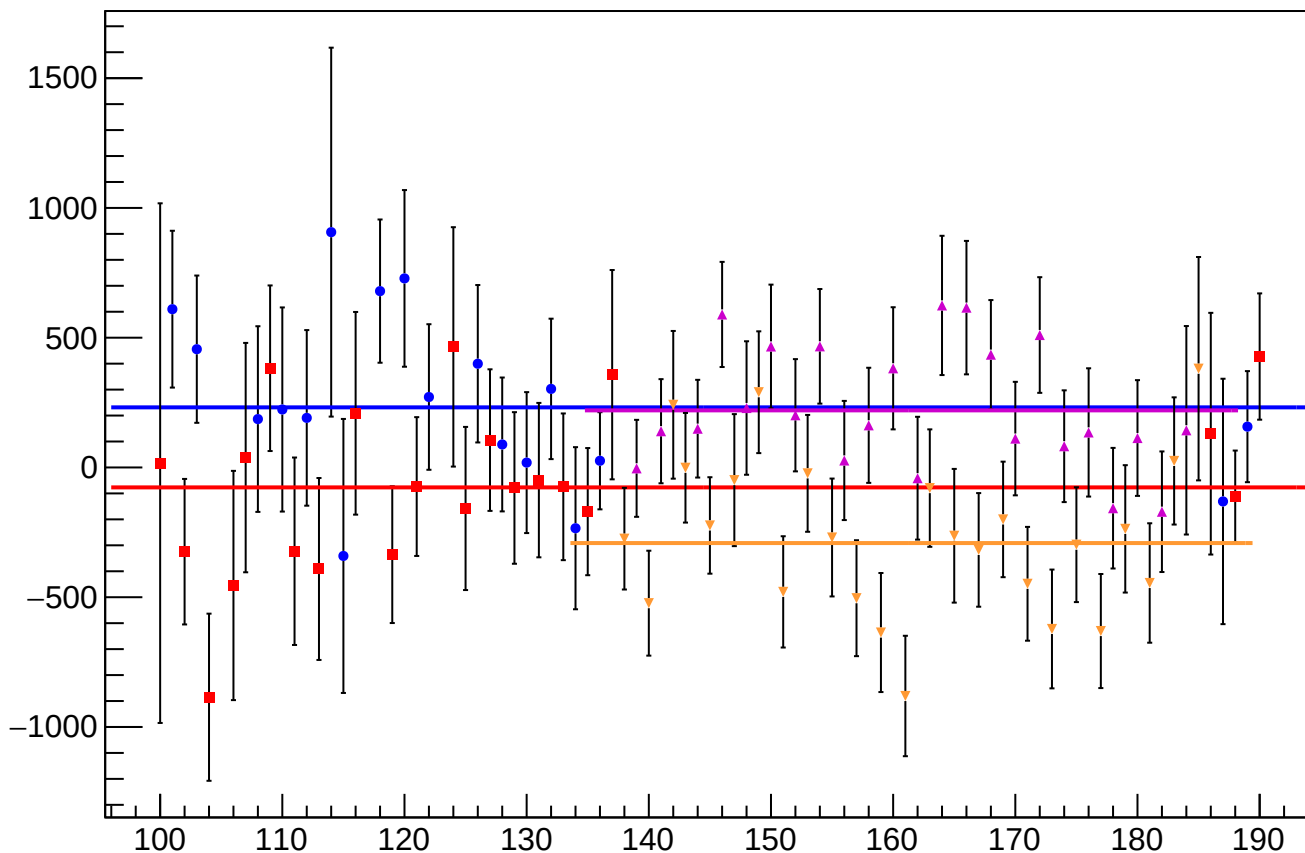
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2127144.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5313694.1/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 12039365.5/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6724958.7/44

reg_asym_sam_26_dd_mean vs Slug



Right In: 231.566 $\pm$ 69.899 χ^2 /NDF: 14.5/17

Left Out: -291.313 $\pm$ 45.614 χ^2 /NDF:36.4/24

Right Out: -76.818 $\pm$ 65.348 χ^2 /NDF: 20.5/21

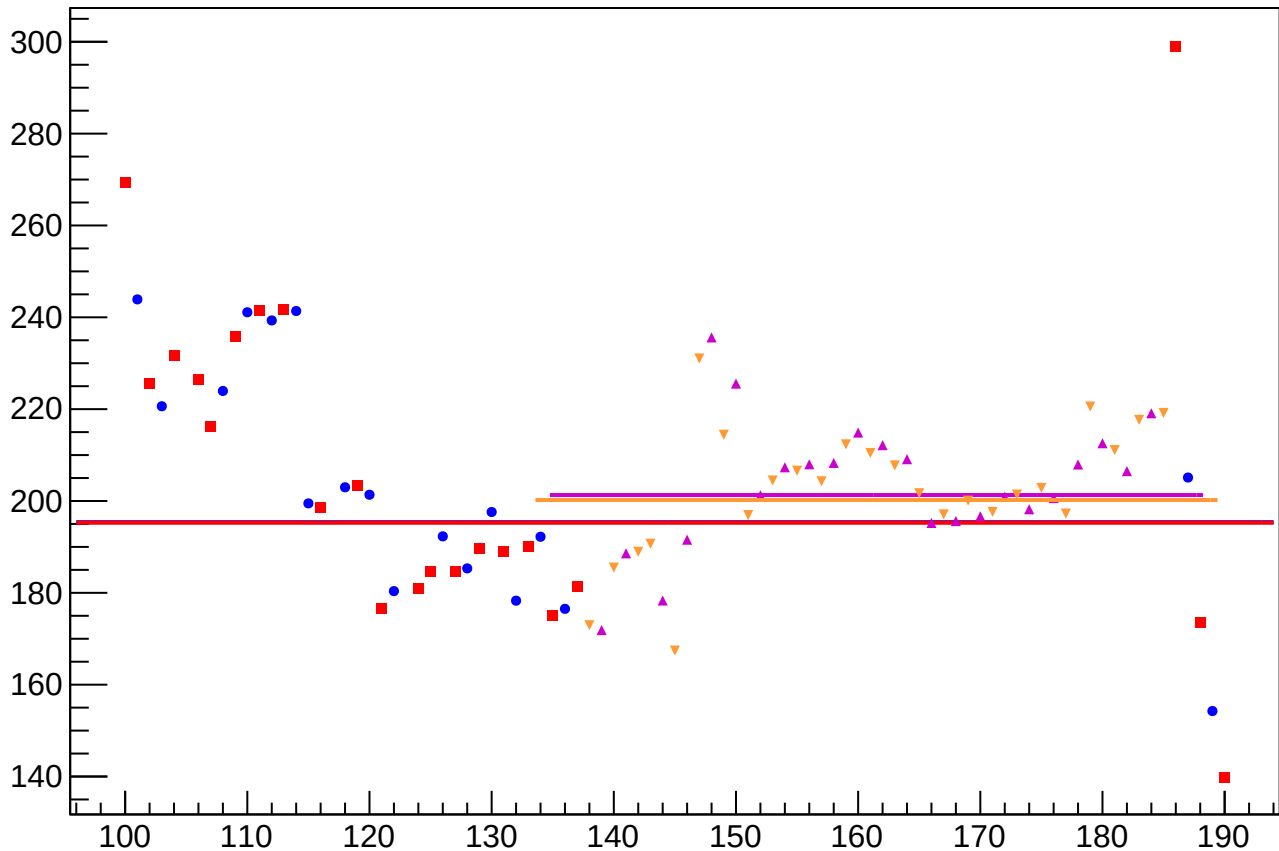
Left In: 219.974 $\pm$ 47.146 χ^2 /NDF:23.7/22

+ sign -135.151 $\pm$ 38.200 χ^2 /NDF: 90.1/42

All: -8.501 $\pm$ 27.023 χ^2 /NDF: 169.9/87

- sign 118.377 $\pm$ 38.234 χ^2 /NDF: 57.8/44

reg_asym_sam_26_dd_rms vs Slug



Right In: 195.386 $\pm$ 0.049 χ^2 /NDF: 263895.1/17

Left Out: 200.210 $\pm$ 0.032 χ^2 /NDF:204393.9/24

Right Out: 195.273 $\pm$ 0.046 χ^2 /NDF: 444832.8/21

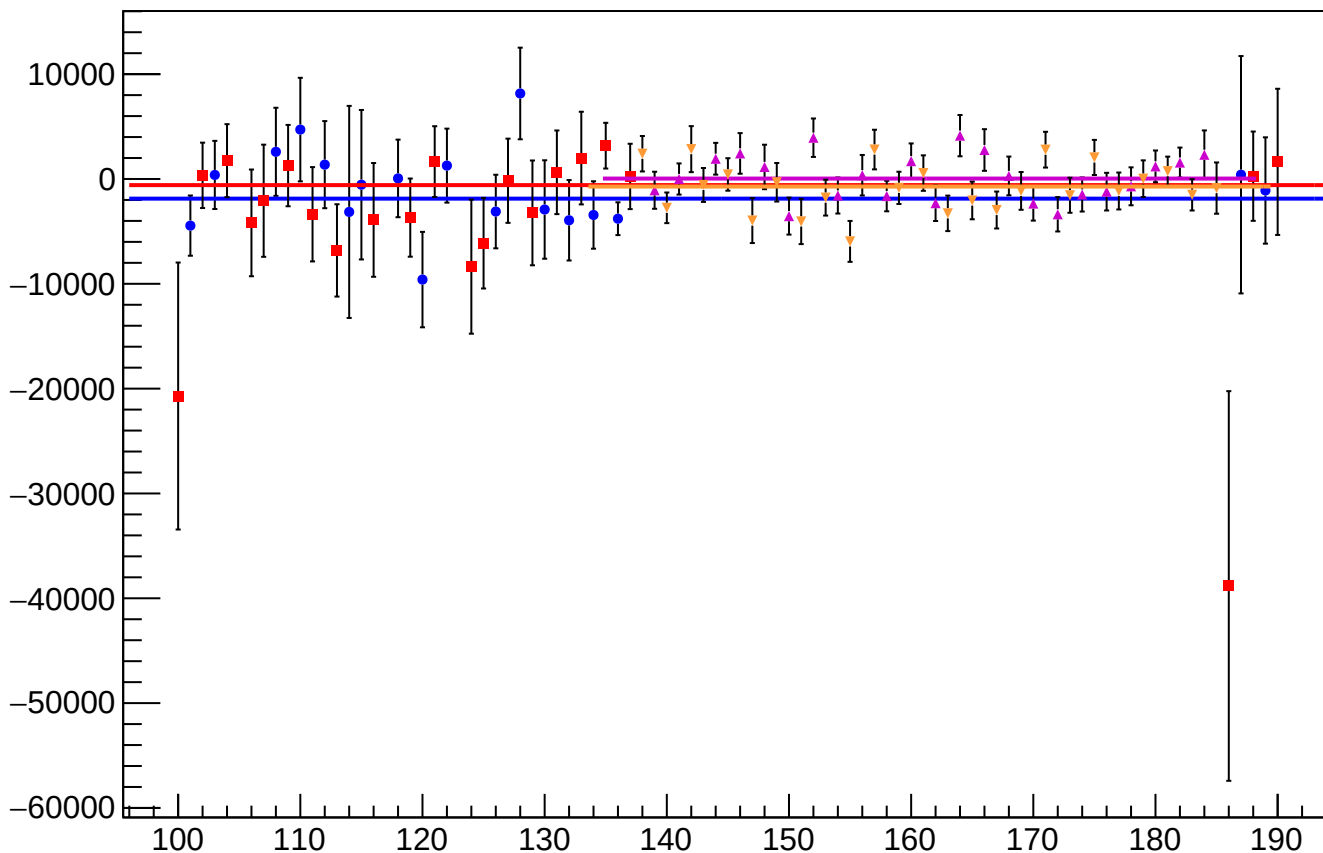
Left In: 201.297 $\pm$ 0.033 χ^2 /NDF:181646.8/22

+ sign 198.769 $\pm$ 0.027 χ^2 /NDF: 474969.1/42

All: 199.002 $\pm$ 0.019 χ^2 /NDF: 1112776.6/87

- sign 199.235 $\pm$ 0.027 χ^2 /NDF: 637658.9/44

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1874.920 ± 844.661 $\chi^2/\text{NDF}: 16.3/17$

Left Out: -720.700 ± 346.376 $\chi^2/\text{NDF}: 38.3/24$

Right Out: -585.572 ± 873.061 $\chi^2/\text{NDF}: 19.0/21$

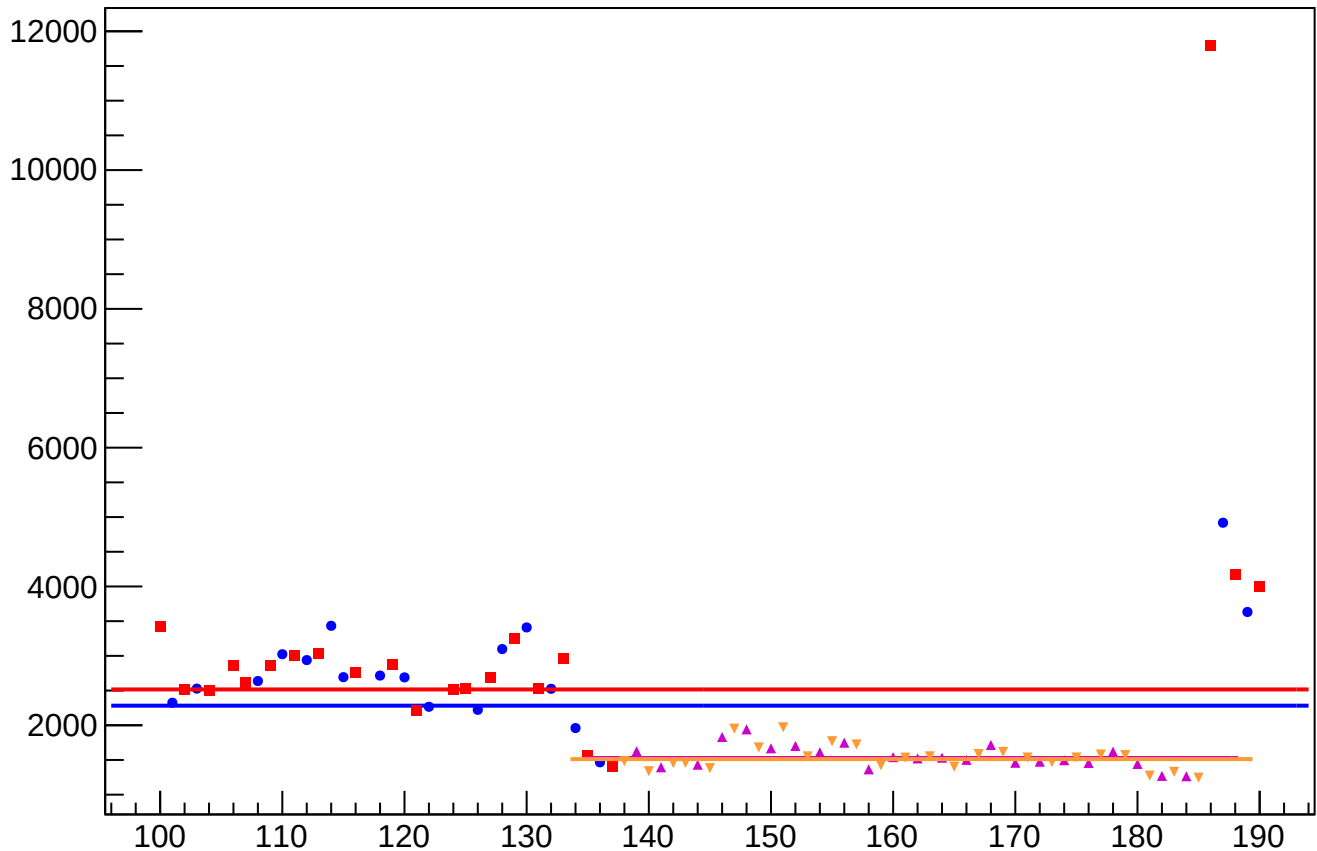
Left In: 39.277 ± 359.265 $\chi^2/\text{NDF}: 34.4/22$

+ sign -886.856 ± 320.476 $\chi^2/\text{NDF}: 56.2/42$

All: -484.082 ± 230.656 $\chi^2/\text{NDF}: 113.3/87$

- sign -51.208 ± 332.235 $\chi^2/\text{NDF}: 53.9/44$

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2282.346 $\pm$ 0.597 χ^2 /NDF: 1205674.0/17

Left Out: 1512.365 $\pm$ 0.245 χ^2 /NDF: 442558.0/24

Right Out: 2516.442 $\pm$ 0.617 χ^2 /NDF: 1724925.7/21

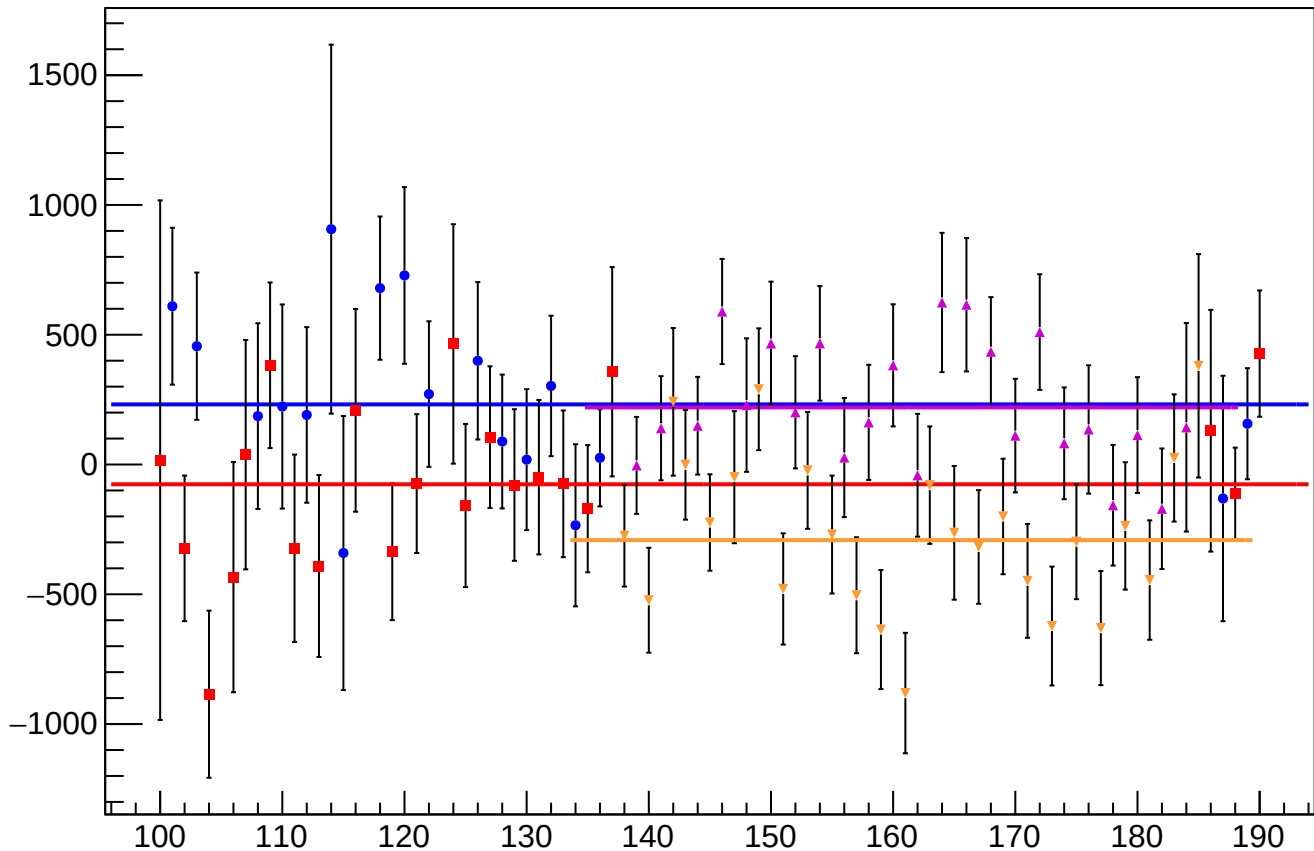
Left In: 1527.964 $\pm$ 0.254 χ^2 /NDF: 373844.4/22

+ sign 1623.207 $\pm$ 0.227 χ^2 /NDF: 3070960.9/42

All: 1646.294 $\pm$ 0.163 χ^2 /NDF: 7383748.7/87

- sign 1671.107 $\pm$ 0.235 χ^2 /NDF: 4291253.1/44

cor_asym_sam_26_dd_mean vs Slug



Right In: 231.569 ± 69.899 $\chi^2/\text{NDF}: 14.5/17$

Left Out: -291.316 ± 45.614 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -76.204 ± 65.355 $\chi^2/\text{NDF}: 20.4/21$

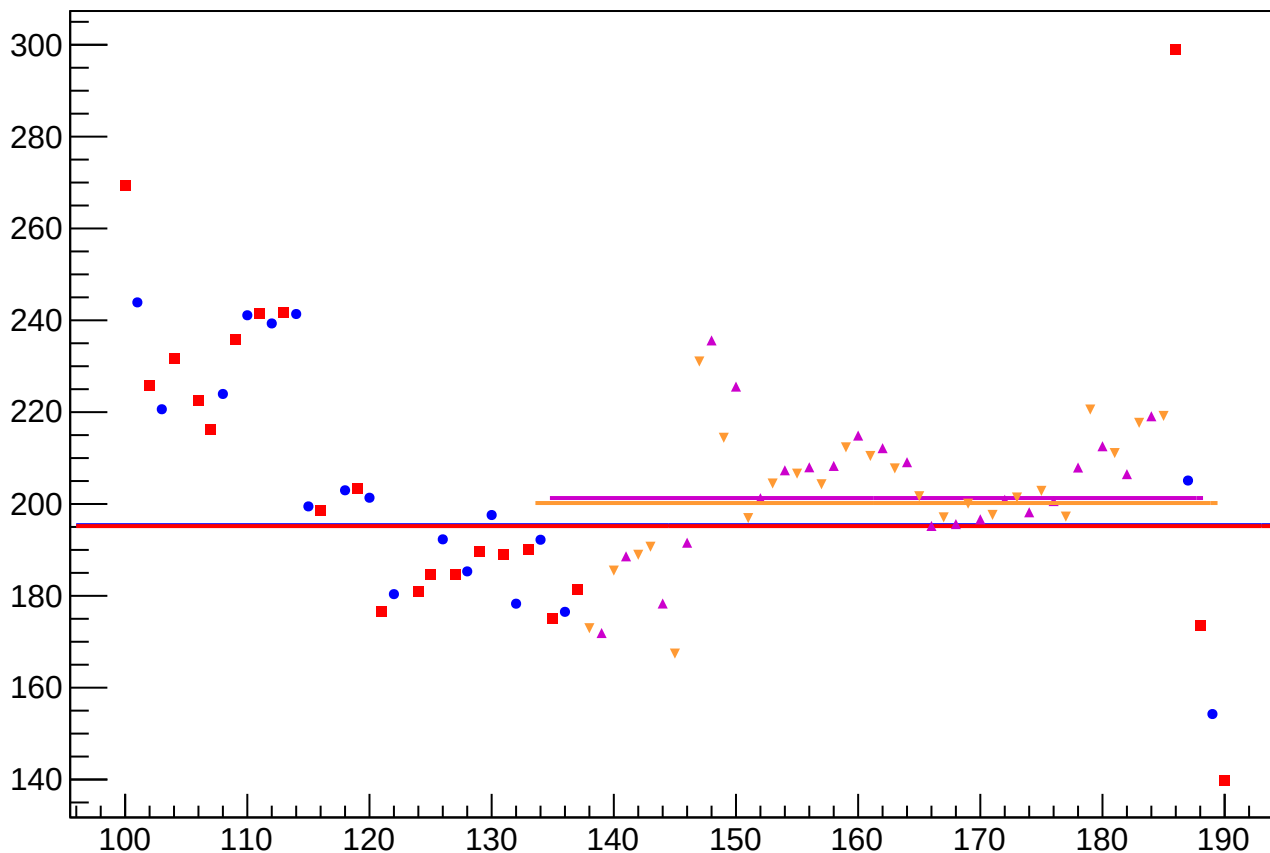
Left In: 219.983 ± 47.146 $\chi^2/\text{NDF}: 23.7/22$

+ sign -135.152 ± 38.200 $\chi^2/\text{NDF}: 90.1/42$

All: -8.391 ± 27.024 $\chi^2/\text{NDF}: 169.8/87$

- sign 118.607 ± 38.235 $\chi^2/\text{NDF}: 57.6/44$

cor_asym_sam_26_dd_rms vs Slug



Right In: 195.386 ± 0.049 $\chi^2/\text{NDF}: 263895.5/17$

Left Out: 200.210 ± 0.032 $\chi^2/\text{NDF}: 204394.0/24$

Right Out: 195.184 ± 0.046 $\chi^2/\text{NDF}: 442497.1/21$

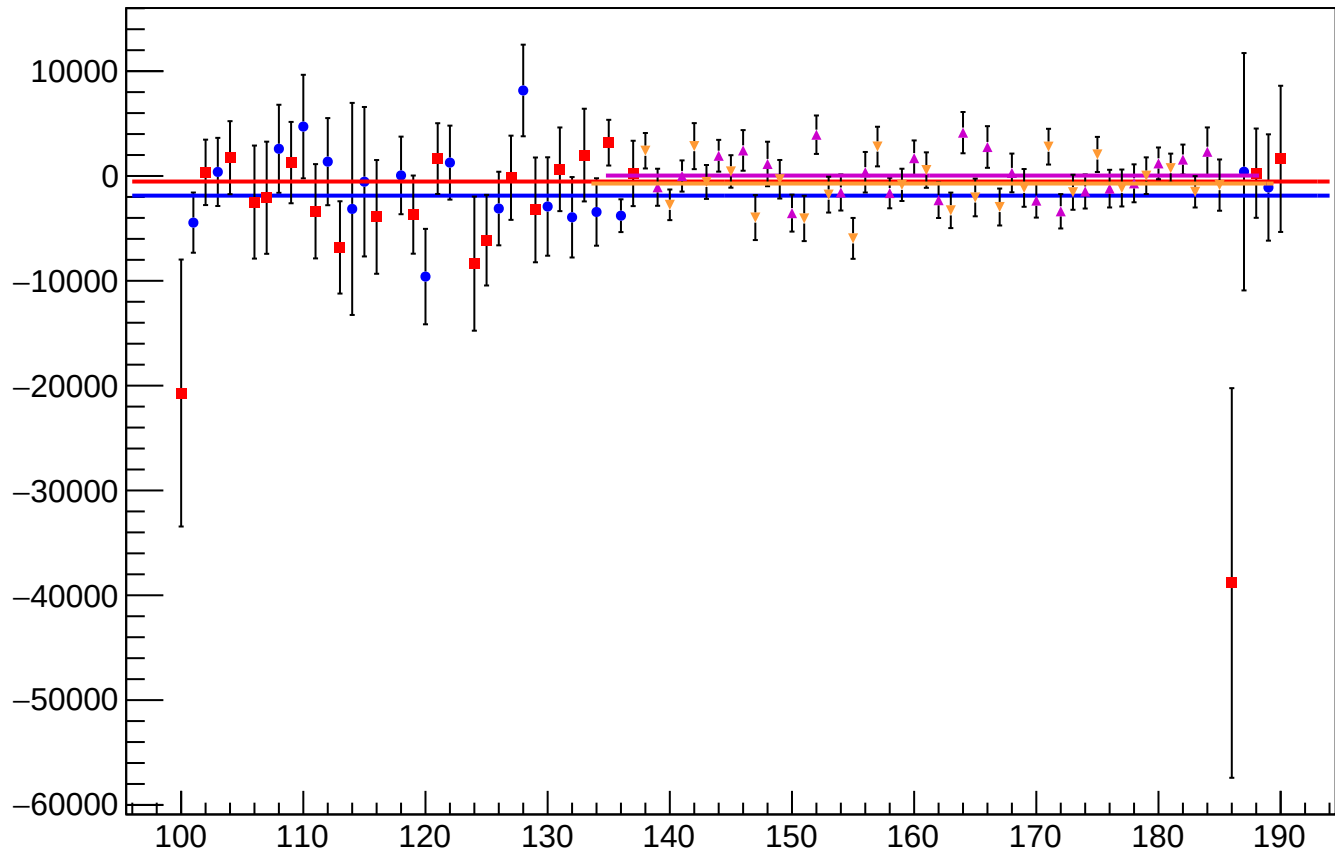
Left In: 201.297 ± 0.033 $\chi^2/\text{NDF}: 181646.8/22$

+ sign 198.769 ± 0.027 $\chi^2/\text{NDF}: 474969.4/42$

All: 198.987 ± 0.019 $\chi^2/\text{NDF}: 1110751.8/87$

- sign 199.205 ± 0.027 $\chi^2/\text{NDF}: 635652.2/44$

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1874.883 ± 844.663 χ^2/NDF : 16.3/17

Left Out: -720.705 ± 346.376 χ^2/NDF : 38.3/24

Right Out: -529.537 ± 874.486 χ^2/NDF : 18.6/21

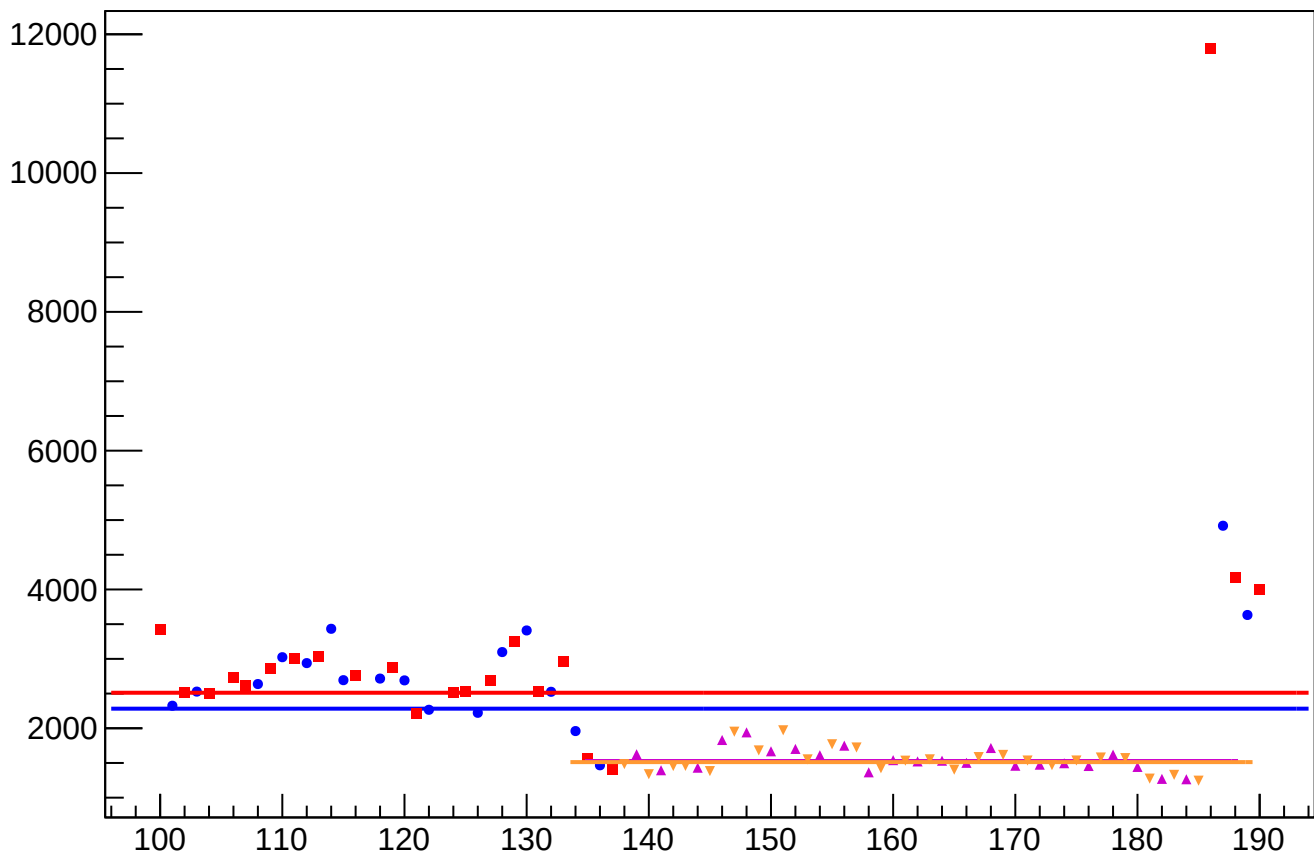
Left In: 39.275 ± 359.265 χ^2/NDF : 34.4/22

+ sign -886.854 ± 320.476 χ^2/NDF : 56.2/42

All: -480.160 ± 230.682 χ^2/NDF : 112.9/87

- sign -42.866 ± 332.314 χ^2/NDF : 53.4/44

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2282.350+/-0.597 χ^2/NDF : 1205677.3/17

Left Out: 1512.365+/-0.245 χ^2/NDF : 442559.1/24

Right Out: 2511.808+/-0.618 χ^2/NDF : 1718543.2/21

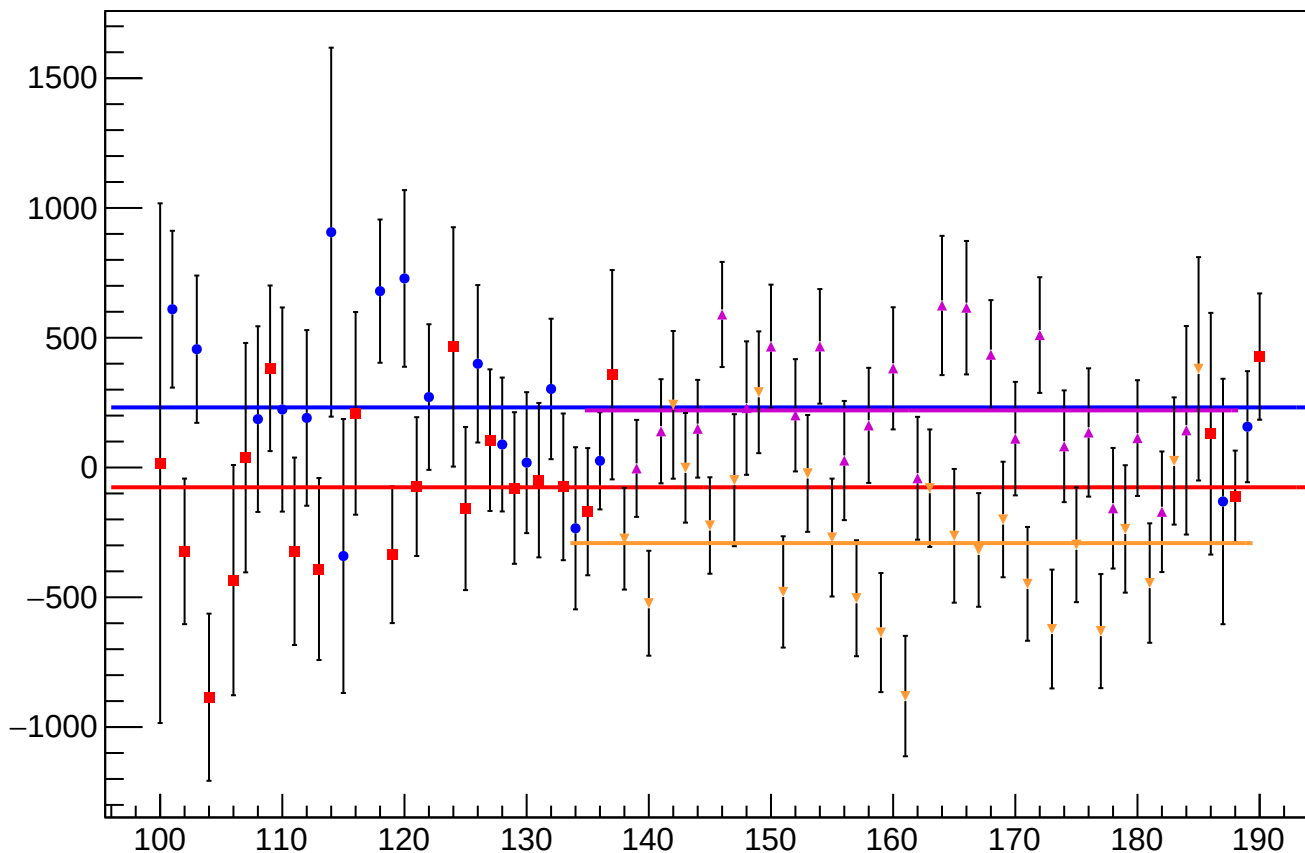
Left In: 1527.964+/-0.254 χ^2/NDF : 373845.3/22

+ sign 1623.208+/-0.227 χ^2/NDF : 3070974.4/42

All: 1645.774+/-0.163 χ^2/NDF : 7349866.6/87

- sign 1670.039+/-0.235 χ^2/NDF : 4258312.0/44

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 231.569 $\pm$ 69.899 χ^2 /NDF: 14.5/17

Left Out: -291.316 $\pm$ 45.614 χ^2 /NDF: 36.4/24

Right Out: -76.204 $\pm$ 65.355 χ^2 /NDF: 20.4/21

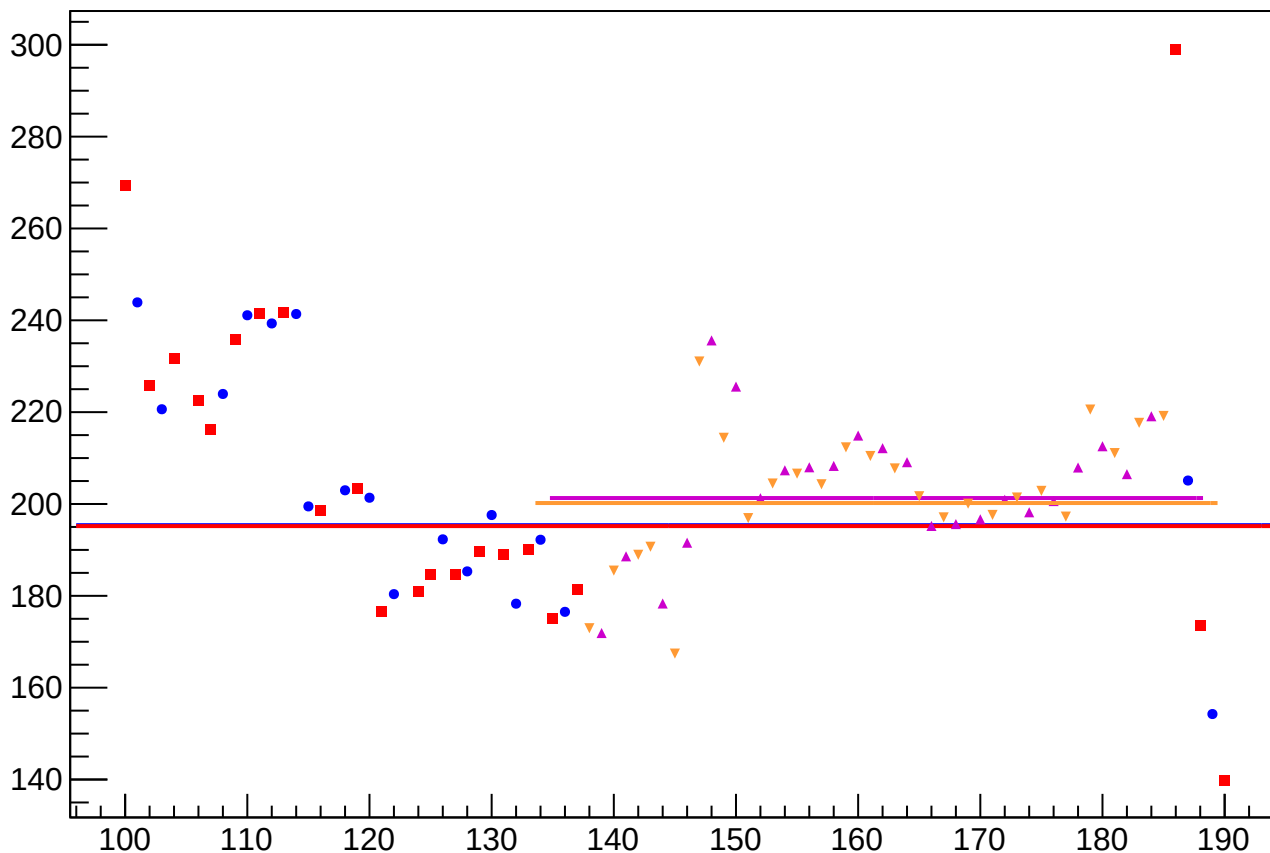
Left In: 219.983 $\pm$ 47.146 χ^2 /NDF: 23.7/22

+ sign -135.152 $\pm$ 38.200 χ^2 /NDF: 90.1/42

All: -8.391 $\pm$ 27.024 χ^2 /NDF: 169.8/87

- sign 118.607 $\pm$ 38.235 χ^2 /NDF: 57.6/44

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 195.386 $\pm$ 0.049 χ^2 /NDF: 263895.5/17

Left Out: 200.210 $\pm$ 0.032 χ^2 /NDF:204394.0/24

Right Out: 195.184 $\pm$ 0.046 χ^2 /NDF: 442497.1/21

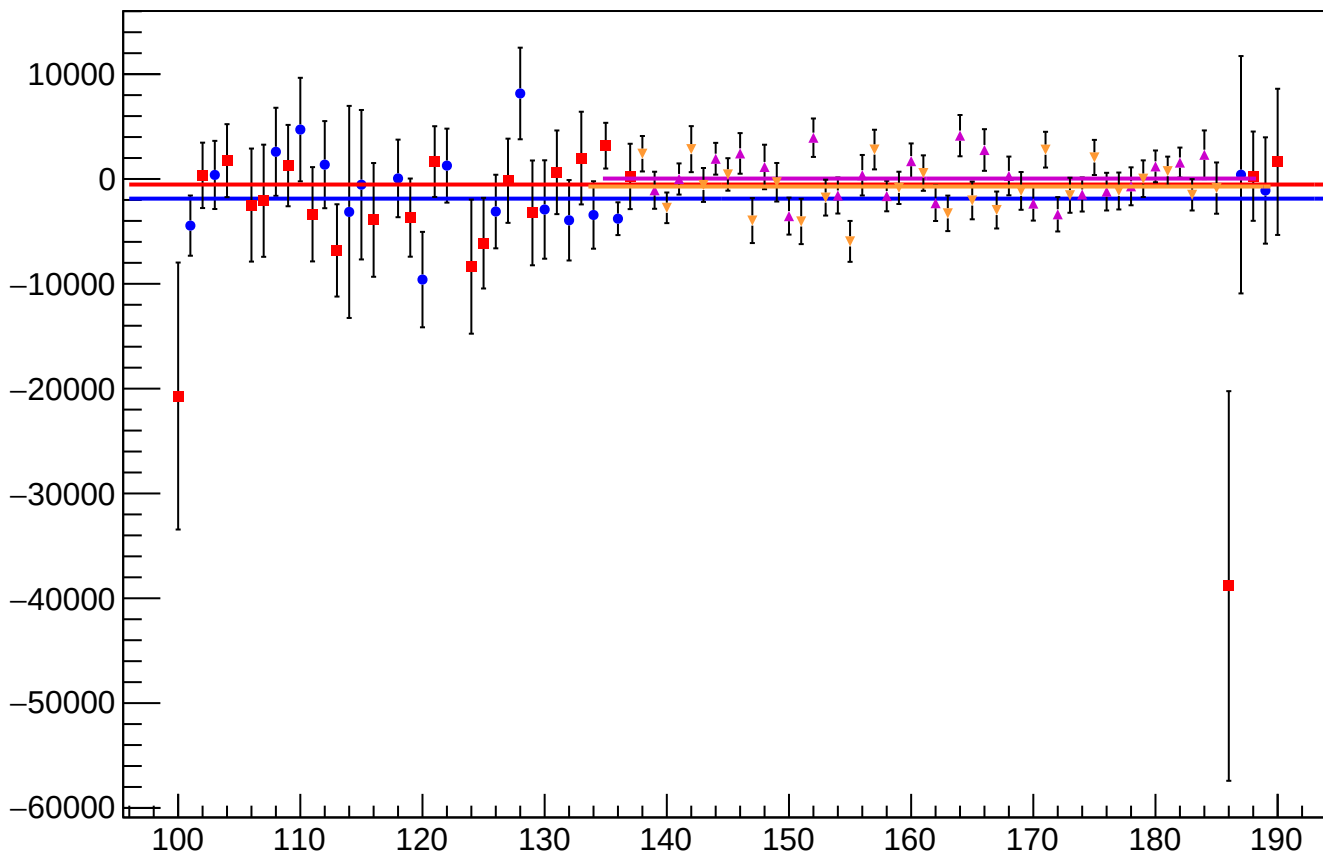
Left In: 201.297 $\pm$ 0.033 χ^2 /NDF:181646.8/22

+ sign 198.769 $\pm$ 0.027 χ^2 /NDF: 474969.4/42

All: 198.987 $\pm$ 0.019 χ^2 /NDF: 1110751.8/87

- sign 199.205 $\pm$ 0.027 χ^2 /NDF: 635652.2/44

asym_sam_26_dd_eigen_cor_correction_mean vs Slug



Right In: -1874.883 ± 844.663 χ^2/NDF : 16.3/17

Left Out: -720.705 ± 346.376 χ^2/NDF : 38.3/24

Right Out: -529.537 ± 874.486 χ^2/NDF : 18.6/21

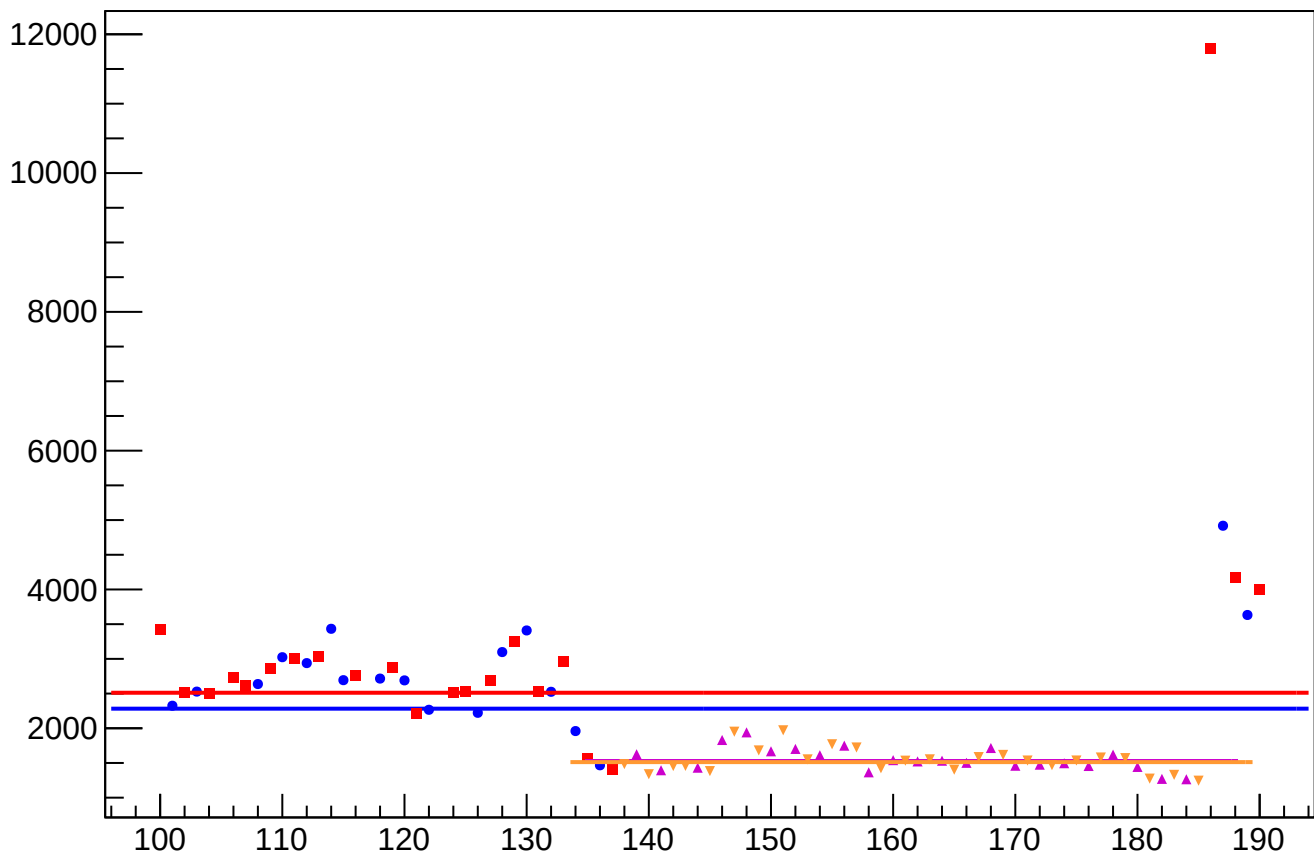
Left In: 39.275 ± 359.265 χ^2/NDF : 34.4/22

+ sign -886.854 ± 320.476 χ^2/NDF : 56.2/42

All: -480.160 ± 230.682 χ^2/NDF : 112.9/87

- sign -42.866 ± 332.314 χ^2/NDF : 53.4/44

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2282.350 $\pm$ 0.597 χ^2/NDF : 1205677.3/17

Left Out: 1512.365 $\pm$ 0.245 χ^2/NDF : 442559.1/24

Right Out: 2511.808 $\pm$ 0.618 χ^2/NDF : 1718543.2/21

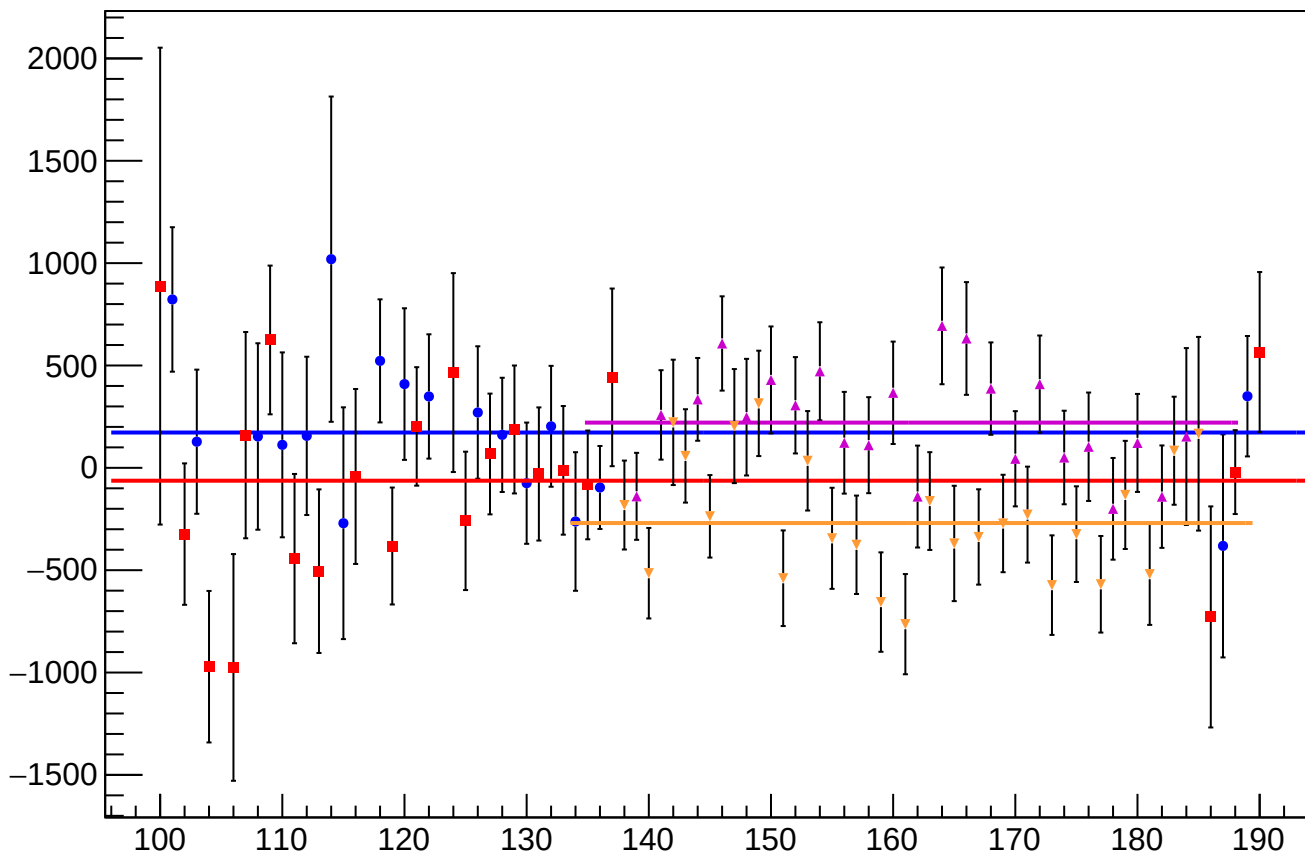
Left In: 1527.964 $\pm$ 0.254 χ^2/NDF : 373845.3/22

+ sign 1623.208 $\pm$ 0.227 χ^2/NDF : 3070974.4/42

All: 1645.774 $\pm$ 0.163 χ^2/NDF : 7349866.6/87

- sign 1670.039 $\pm$ 0.235 χ^2/NDF : 4258312.0/44

dit_asym_sam_26_dd_mean vs Slug



Right In: 172.533 $\pm$ 79.135 χ^2 /NDF: 12.9/17

Left Out: -269.678 $\pm$ 49.158 χ^2 /NDF:31.5/24

Right Out: -62.891 $\pm$ 74.423 χ^2 /NDF: 25.8/21

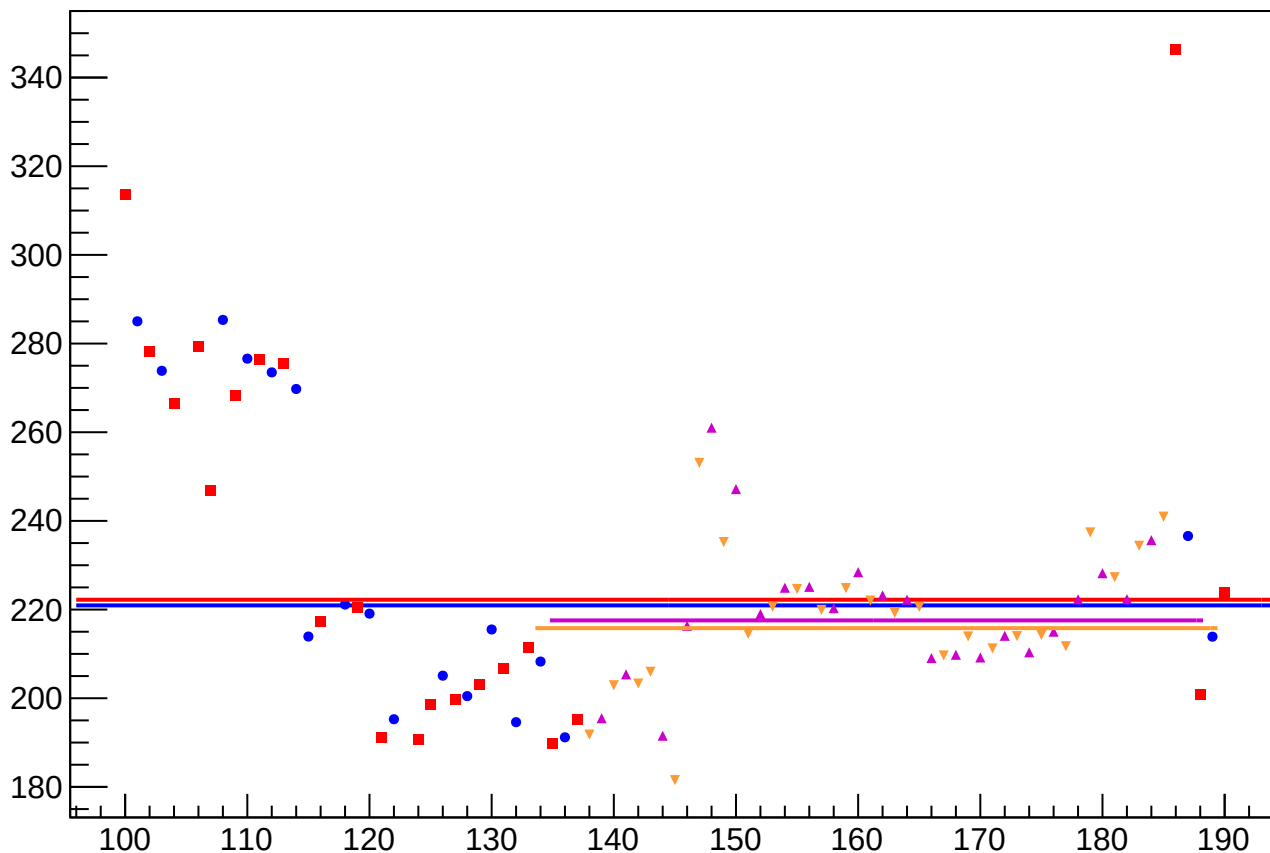
Left In: 220.926 $\pm$ 50.956 χ^2 /NDF:23.4/22

+ sign -146.552 $\pm$ 41.757 χ^2 /NDF: 66.9/42

All: -9.056 $\pm$ 29.628 χ^2 /NDF: 147.8/87

- sign 130.343 $\pm$ 42.045 χ^2 /NDF: 59.1/44

dit_asym_sam_26_dd_rms vs Slug



Right In: 220.940 $\pm$ 0.056 χ^2 /NDF: 321515.2/17

Left Out: 215.807 $\pm$ 0.035 χ^2 /NDF:188699.2/24

Right Out: 222.218 $\pm$ 0.053 χ^2 /NDF: 454472.6/21

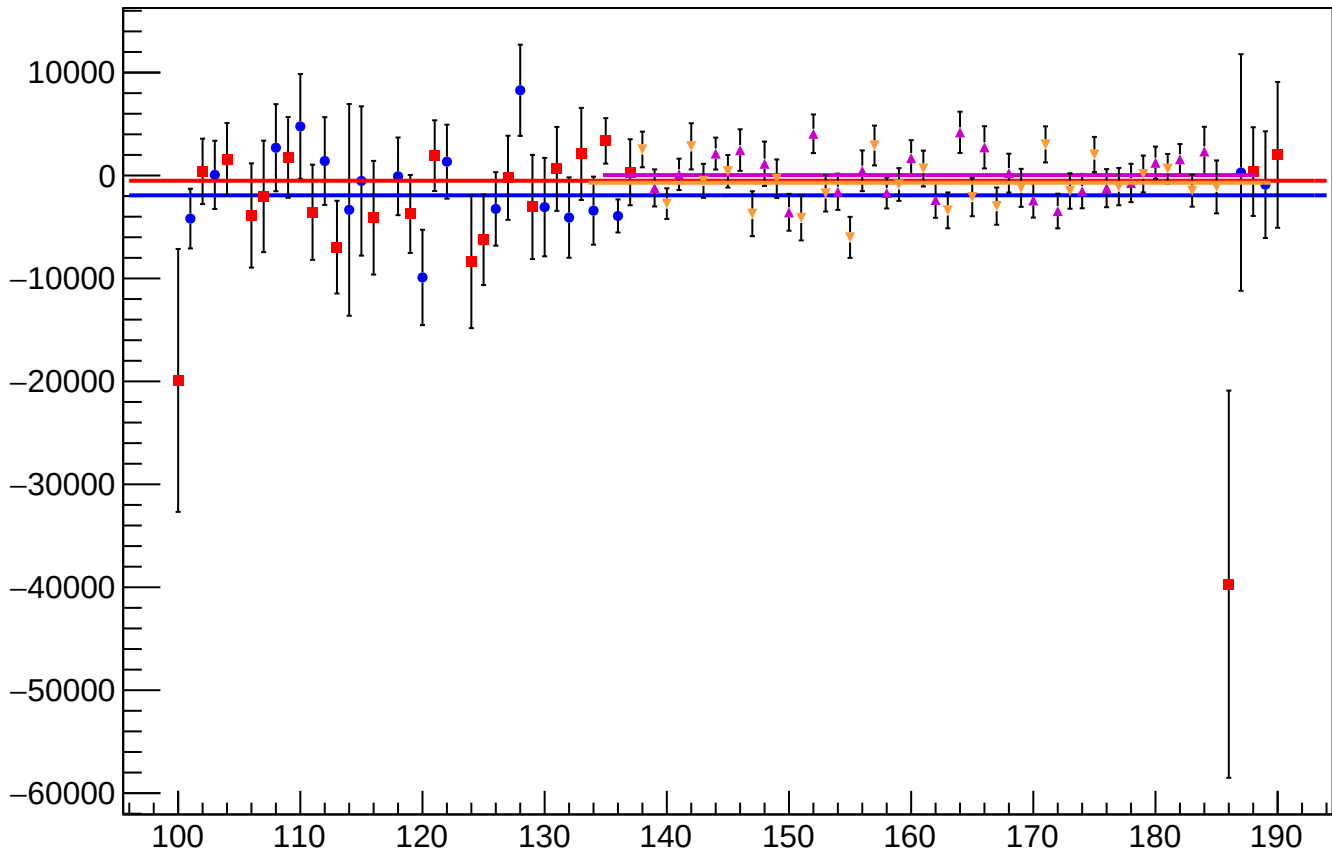
Left In: 217.555 $\pm$ 0.036 χ^2 /NDF:161066.4/22

+ sign 217.236 $\pm$ 0.030 χ^2 /NDF: 516287.1/42

All: 218.133 $\pm$ 0.021 χ^2 /NDF: 1139033.6/87

- sign 219.043 $\pm$ 0.030 χ^2 /NDF: 620886.0/44

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1924.953 ± 861.897 χ^2/NDF : 16.2/17

Left Out: -704.012 ± 355.462 χ^2/NDF : 37.6/24

Right Out: -508.076 ± 886.777 χ^2/NDF : 19.3/21

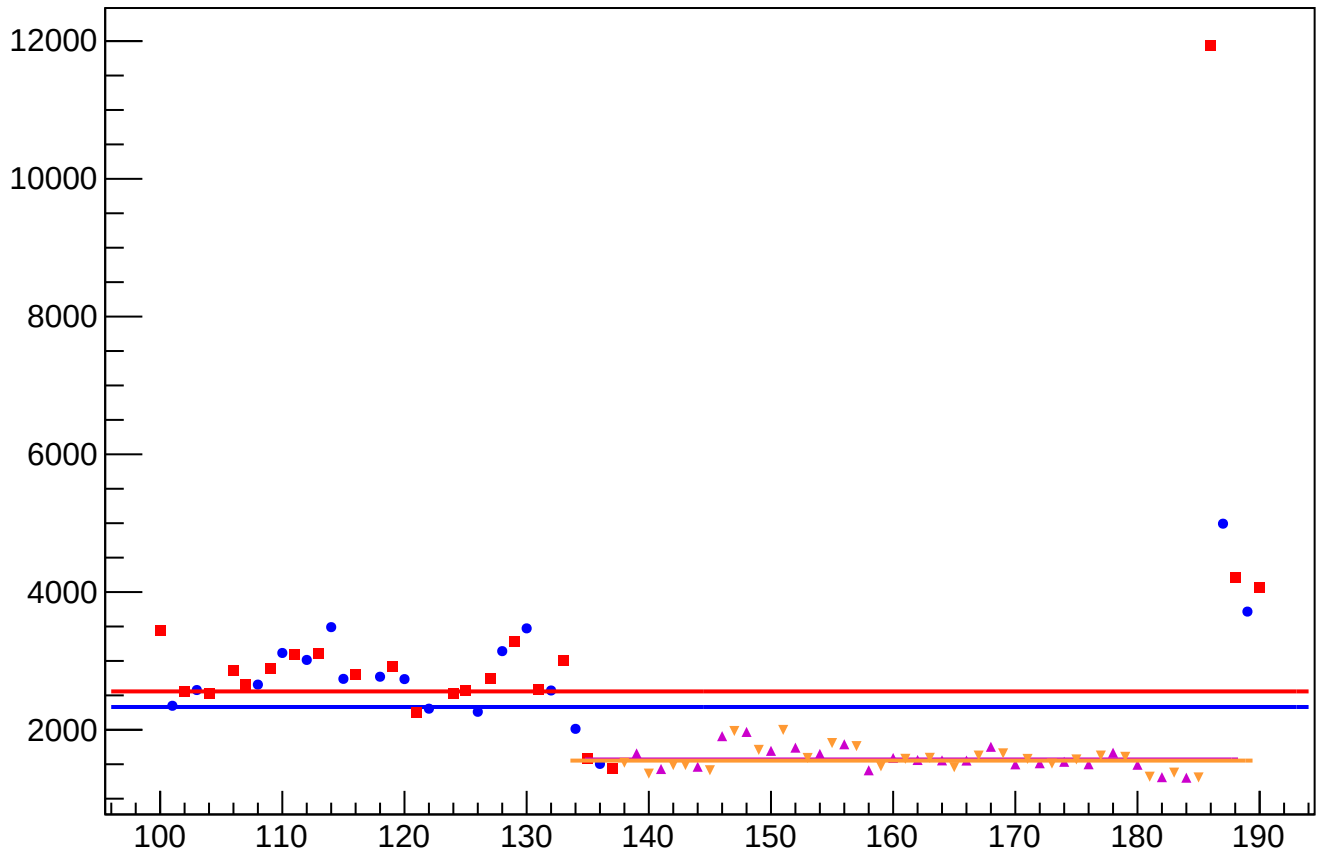
Left In: 39.658 ± 368.873 χ^2/NDF : 34.3/22

+ sign -881.493 ± 328.612 χ^2/NDF : 55.6/42

All: -476.343 ± 236.483 χ^2/NDF : 112.6/87

- sign -41.138 ± 340.583 χ^2/NDF : 53.9/44

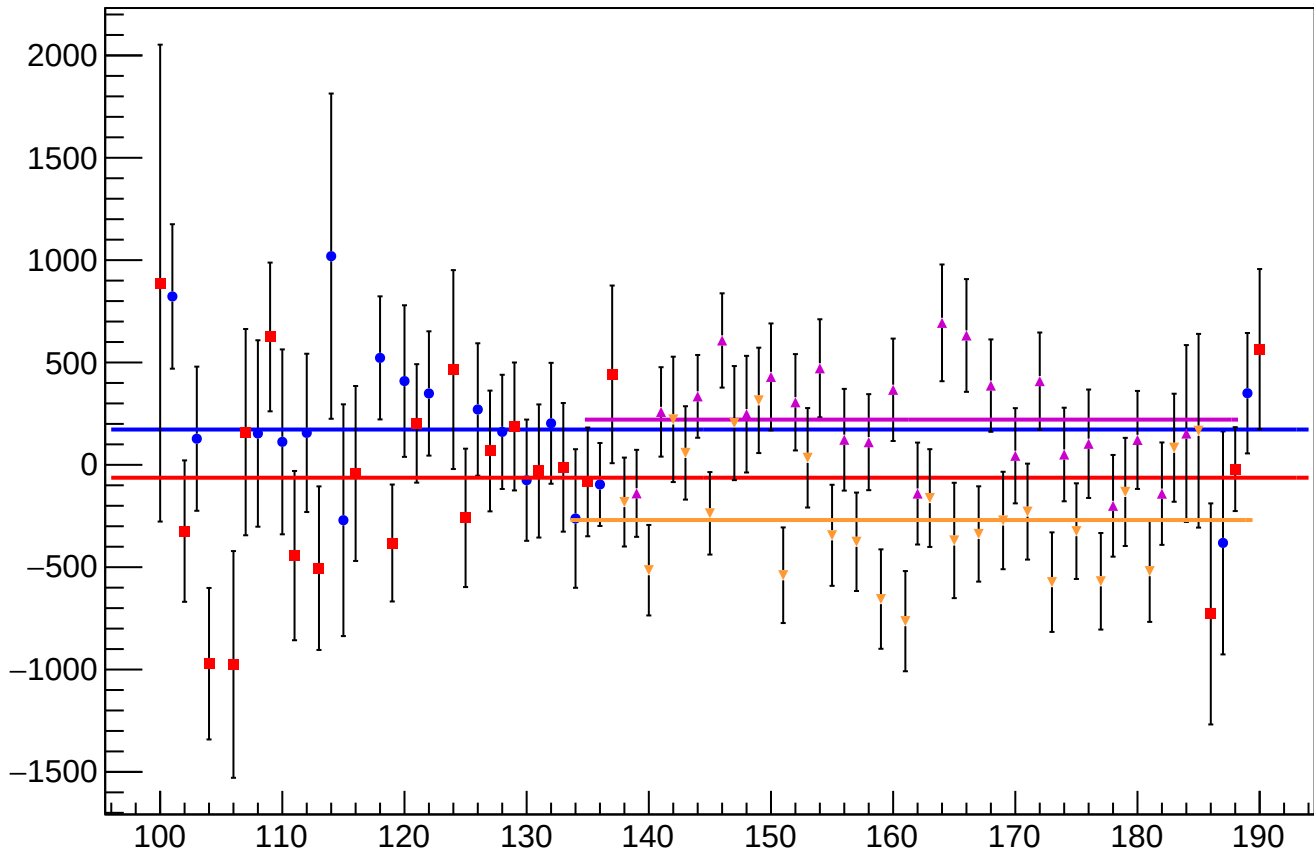
asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2331.256 ± 0.609 χ^2/NDF : 1185062.0/17
 Left Out: 1553.019 ± 0.251 χ^2/NDF : 409933.8/24
 Right Out: 2557.512 ± 0.627 χ^2/NDF : 1711897.8/21
 Left In: 1569.383 ± 0.261 χ^2/NDF : 357481.9/22

+ sign 1666.147 ± 0.232 χ^2/NDF : 2988550.1/42
 All: 1689.767 ± 0.167 χ^2/NDF : 7196351.2/87
 - sign 1715.140 ± 0.241 χ^2/NDF : 4186367.6/44

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 172.535 $\pm$ 79.135 χ^2 /NDF: 12.9/17

Left Out: -269.680 $\pm$ 49.158 χ^2 /NDF:31.5/24

Right Out: -62.890 $\pm$ 74.423 χ^2 /NDF: 25.8/21

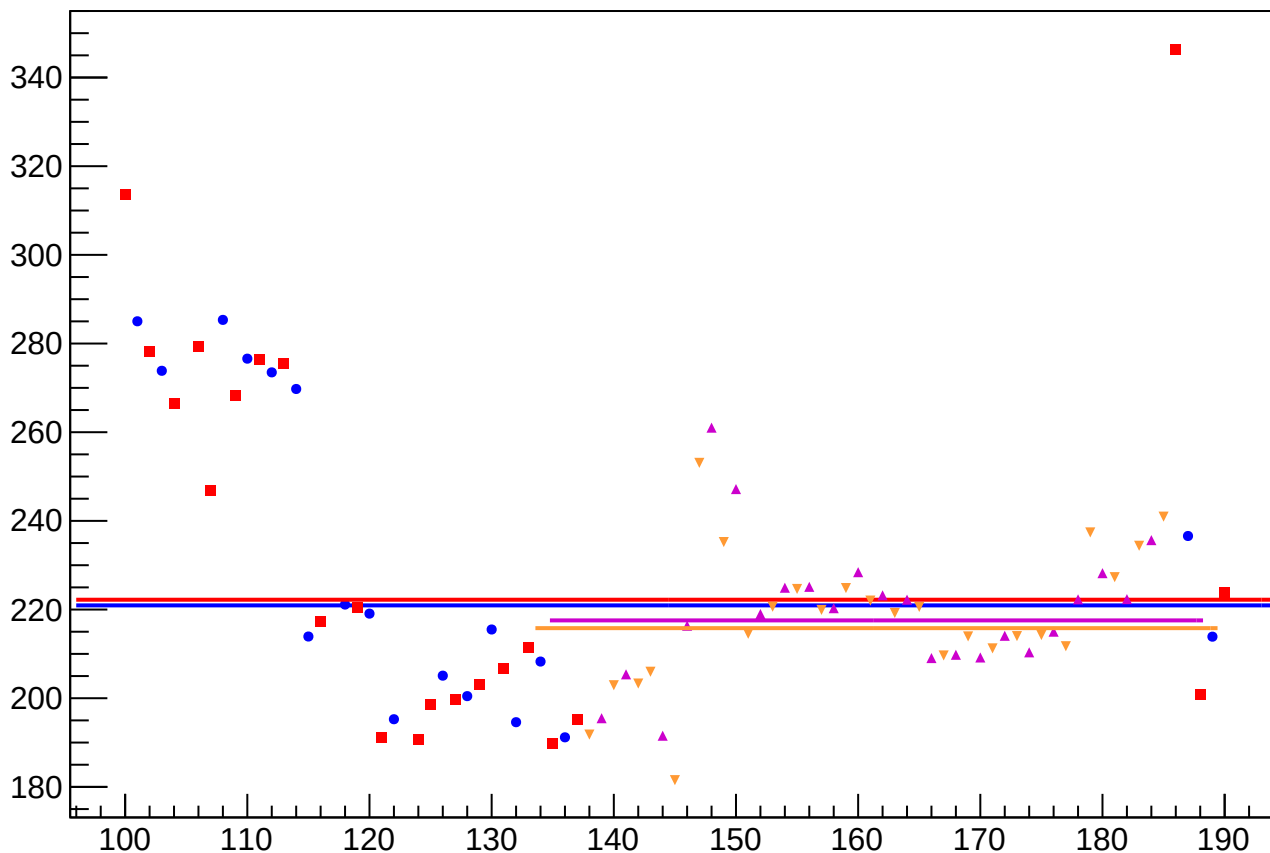
Left In: 220.927 $\pm$ 50.956 χ^2 /NDF:23.4/22

+ sign -146.552 $\pm$ 41.757 χ^2 /NDF: 66.9/42

All: -9.056 $\pm$ 29.628 χ^2 /NDF: 147.8/87

- sign 130.343 $\pm$ 42.045 χ^2 /NDF: 59.1/44

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 220.939 ± 0.056 $\chi^2/\text{NDF}: 321509.8/17$

Left Out: 215.806 ± 0.035 $\chi^2/\text{NDF}: 188703.4/24$

Right Out: 222.218 ± 0.053 $\chi^2/\text{NDF}: 454457.2/21$

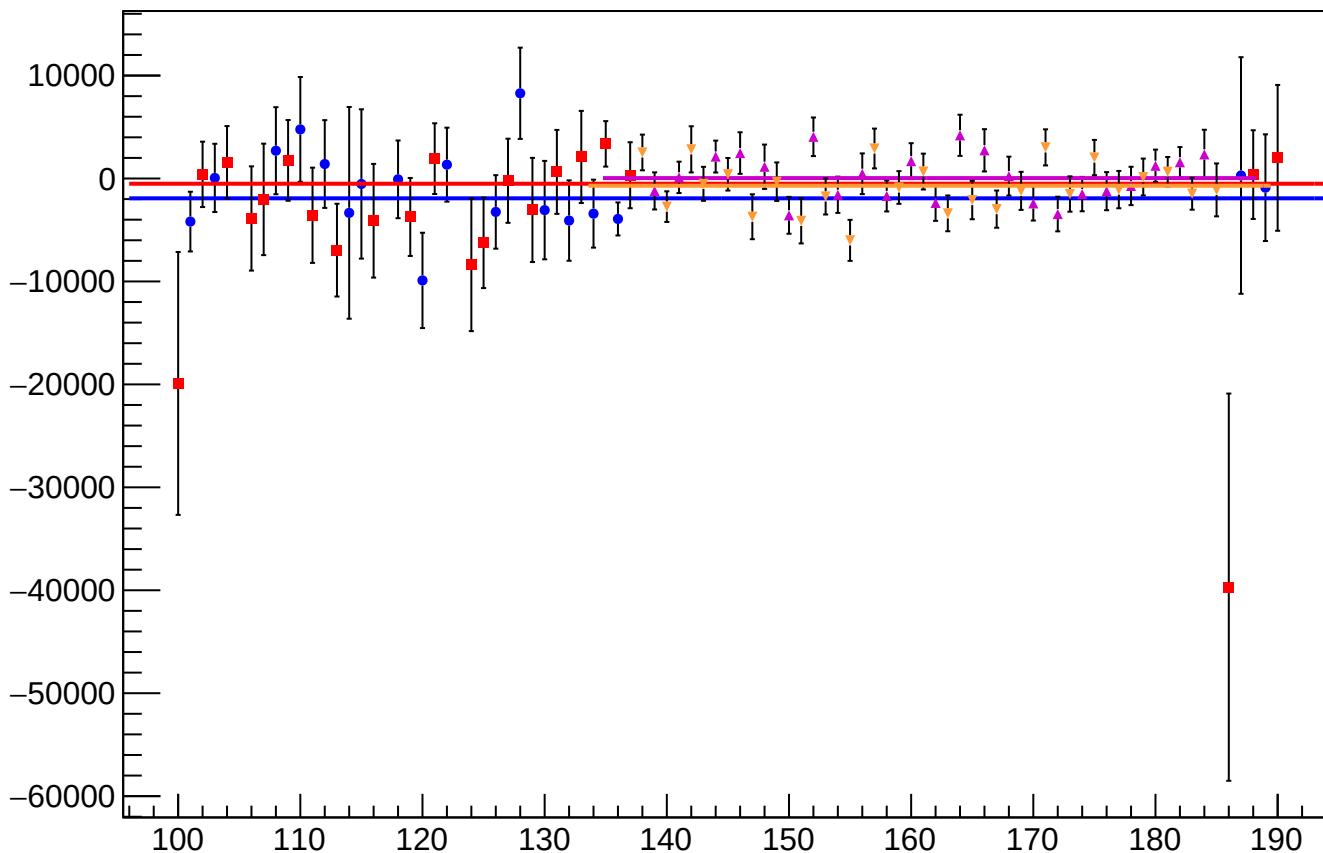
Left In: 217.555 ± 0.036 $\chi^2/\text{NDF}: 161069.0/22$

+ sign 217.235 ± 0.030 $\chi^2/\text{NDF}: 516283.5/42$

All: 218.133 ± 0.021 $\chi^2/\text{NDF}: 1139015.9/87$

- sign 219.043 ± 0.030 $\chi^2/\text{NDF}: 620871.9/44$

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



Right In: -1924.949 ± 861.895 χ^2/NDF : 16.2/17

Left Out: -704.012 ± 355.462 χ^2/NDF : 37.6/24

Right Out: -508.078 ± 886.776 χ^2/NDF : 19.3/21

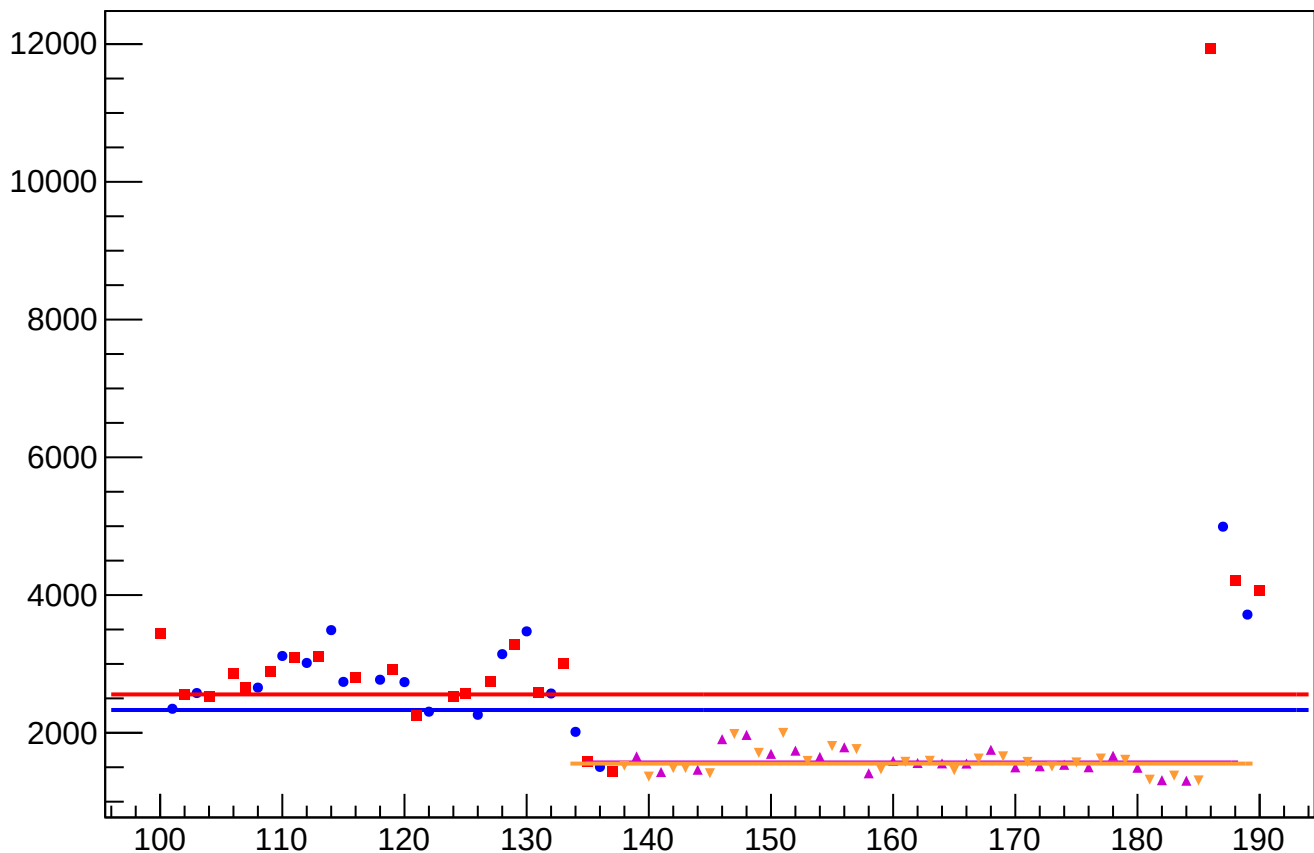
Left In: 39.657 ± 368.873 χ^2/NDF : 34.3/22

+ sign -881.493 ± 328.612 χ^2/NDF : 55.6/42

All: -476.343 ± 236.483 χ^2/NDF : 112.6/87

- sign -41.139 ± 340.583 χ^2/NDF : 53.9/44

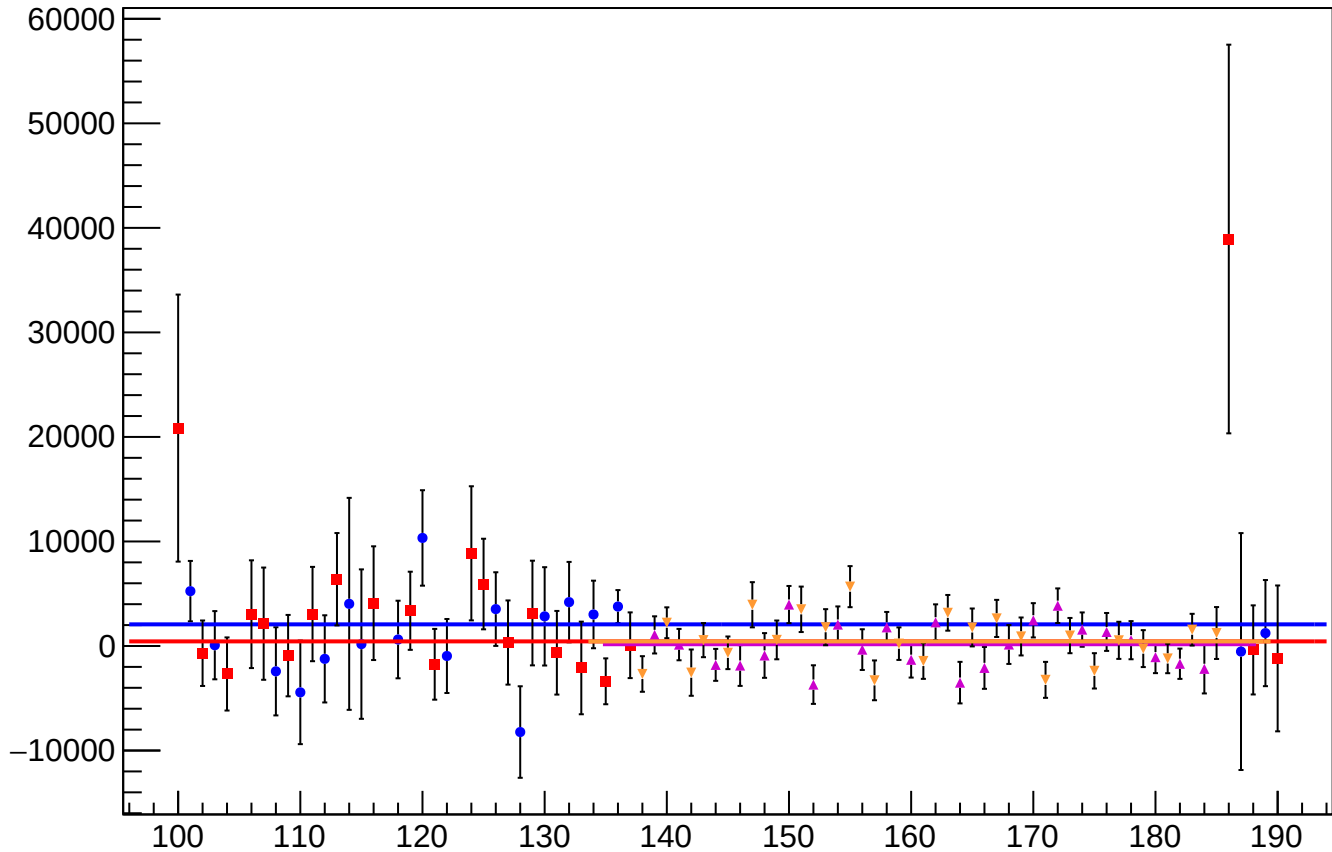
asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2331.253+/-0.609 χ^2/NDF : 1185052.9/17
 Left Out: 1553.020+/-0.251 χ^2/NDF : 409936.6/24
 Right Out: 2557.508+/-0.627 χ^2/NDF : 1711893.4/21
 Left In: 1569.383+/-0.261 χ^2/NDF : 357484.6/22

+ sign 1666.147+/-0.232 χ^2/NDF : 2988535.8/42
 All: 1689.767+/-0.167 χ^2/NDF : 7196324.5/87
 - sign 1715.140+/-0.241 χ^2/NDF : 4186355.6/44

asym_sam_26_dd_mean vs Slug



Right In: 2070.237 $\pm$ 848.681 χ^2 /NDF: 16.7/17

Left Out: 437.522 $\pm$ 349.581 χ^2 /NDF:38.9/24

Right Out: 441.082 $\pm$ 876.713 χ^2 /NDF: 19.0/21

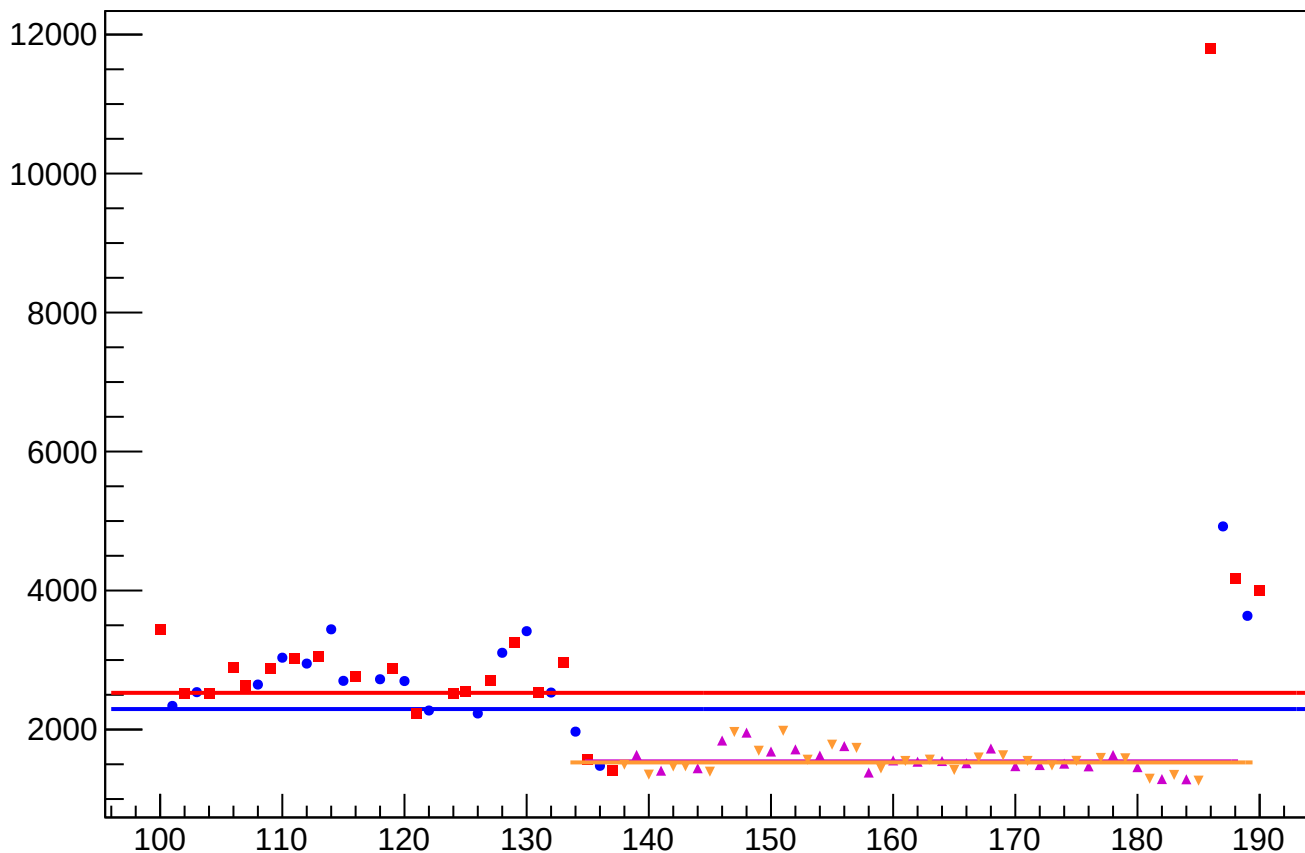
Left In: 169.827 $\pm$ 362.550 χ^2 /NDF:33.0/22

+ sign 674.361 $\pm$ 323.233 χ^2 /NDF: 58.7/42

All: 450.232 $\pm$ 232.620 χ^2 /NDF: 111.9/87

- sign 209.440 $\pm$ 335.033 χ^2 /NDF: 52.1/44

asym_sam_26_dd_rms vs Slug



Right In: 2294.667 $\pm$ 0.600 χ^2 /NDF: 1188601.4/17

Left Out: 1526.726 $\pm$ 0.247 χ^2 /NDF: 429467.0/24

Right Out: 2527.856 $\pm$ 0.620 χ^2 /NDF: 1708721.5/21

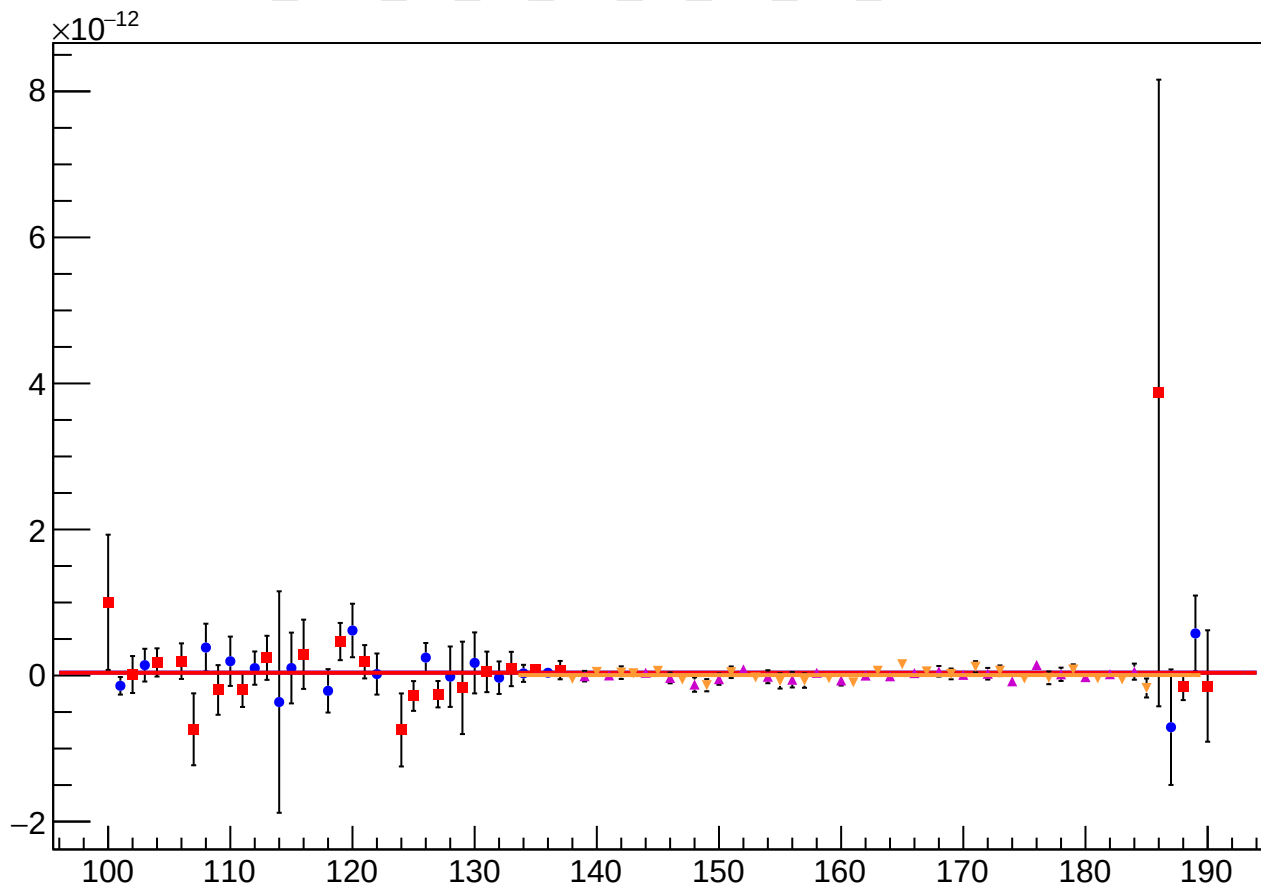
Left In: 1542.262 $\pm$ 0.256 χ^2 /NDF: 362291.1/22

+ sign 1638.122 $\pm$ 0.229 χ^2 /NDF: 3018082.8/42

All: 1661.297 $\pm$ 0.164 χ^2 /NDF: 7268912.0/87

- sign 1686.195 $\pm$ 0.237 χ^2 /NDF: 4229503.2/44

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug

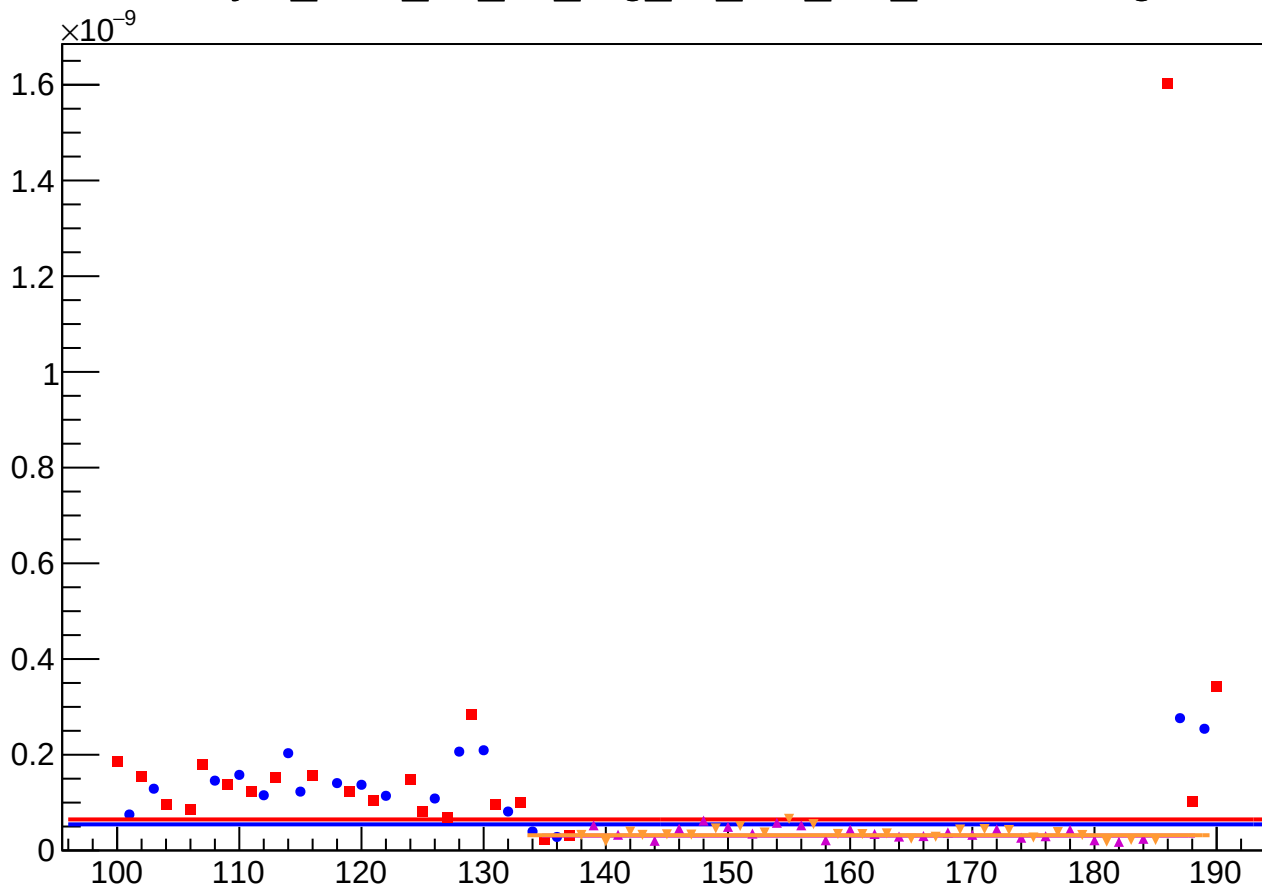


+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 41.9/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 79.5/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 37.5/44

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3033410.6/17

Left Out: 0.000+/-0.000 χ^2/NDF :1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3027274.8/21

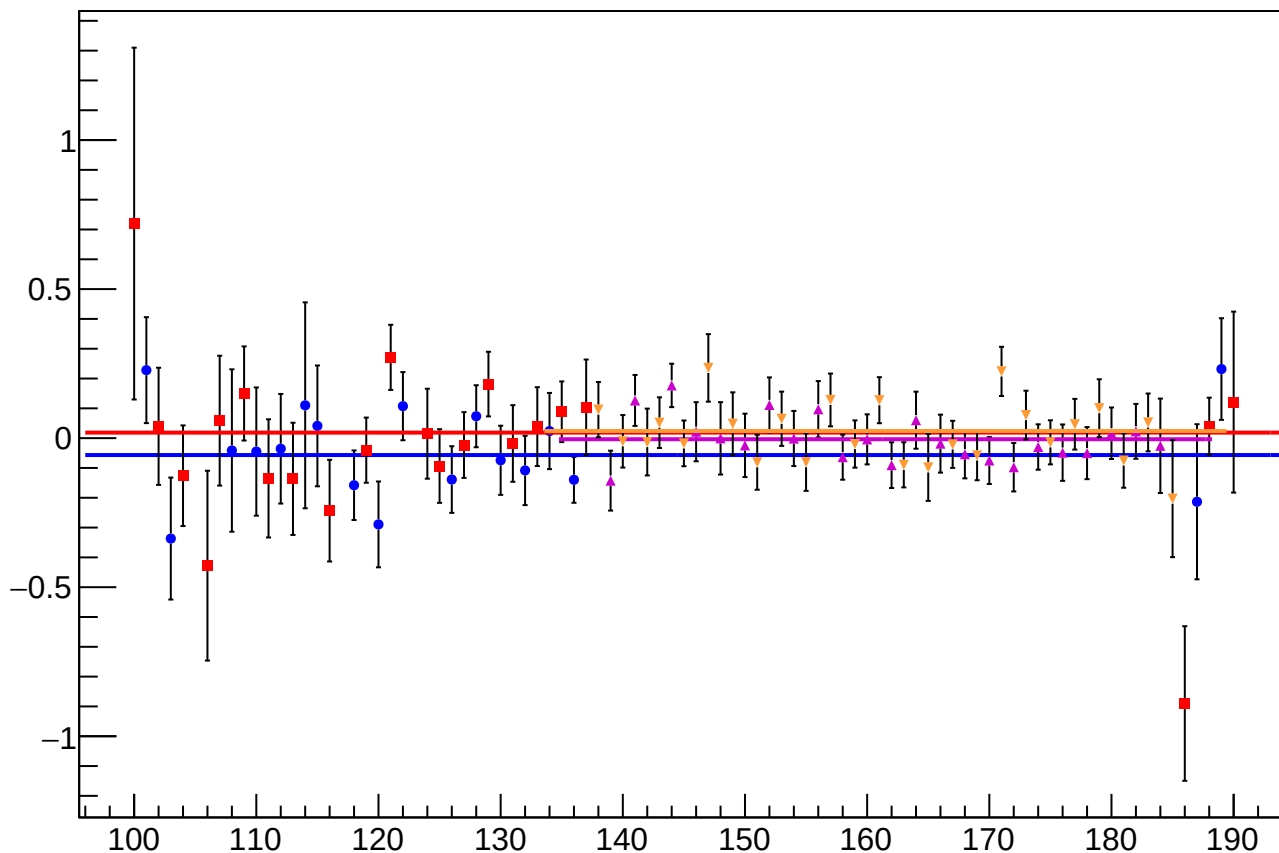
Left In: 0.000+/-0.000 χ^2/NDF :1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 4969412.9/42

All: 0.000+/-0.000 χ^2/NDF : 10772875.3/87

- sign 0.000+/-0.000 χ^2/NDF : 5802662.1/44

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.057 ± 0.032 χ^2/NDF : 17.5/17

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.019 ± 0.031 χ^2/NDF : 30.6/21

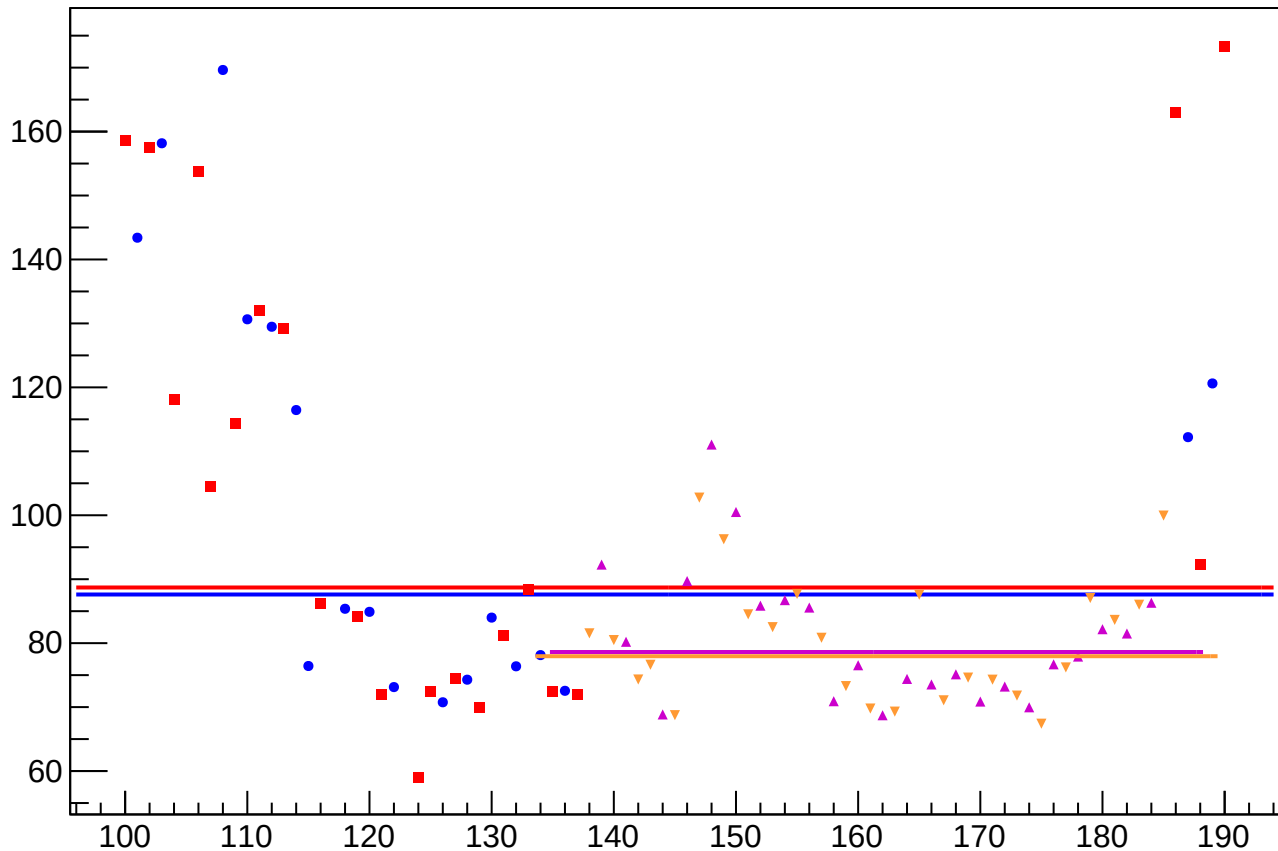
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.005 ± 0.016 χ^2/NDF : 47.7/42

All: 0.004 ± 0.011 χ^2/NDF : 97.6/87

- sign 0.002 ± 0.016 χ^2/NDF : 49.9/44

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 87.609 ± 0.023 χ^2/NDF : 1132848.1/17

Left Out: 77.957 ± 0.013 χ^2/NDF : 439703.9/24

Right Out: 88.705 ± 0.022 χ^2/NDF : 1326750.1/21

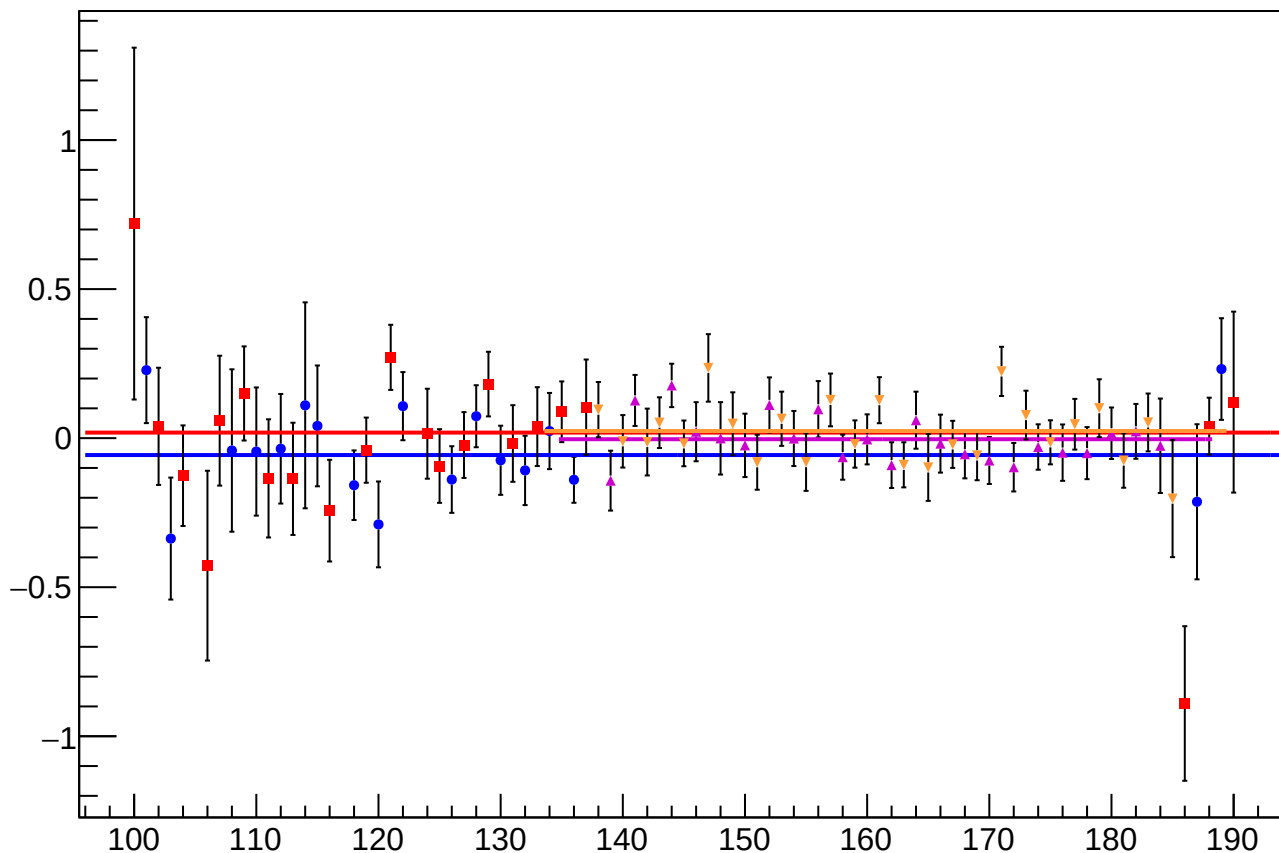
Left In: 78.615 ± 0.013 χ^2/NDF : 497808.4/22

+ sign 80.202 ± 0.011 χ^2/NDF : 1708456.4/42

All: 80.745 ± 0.008 χ^2/NDF : 3695507.3/87

- sign 81.307 ± 0.011 χ^2/NDF : 1982145.5/44

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.057 ± 0.032 $\chi^2/\text{NDF}: 17.5/17$

Left Out: 0.024 ± 0.018 $\chi^2/\text{NDF}: 25.5/24$

Right Out: 0.019 ± 0.031 $\chi^2/\text{NDF}: 30.6/21$

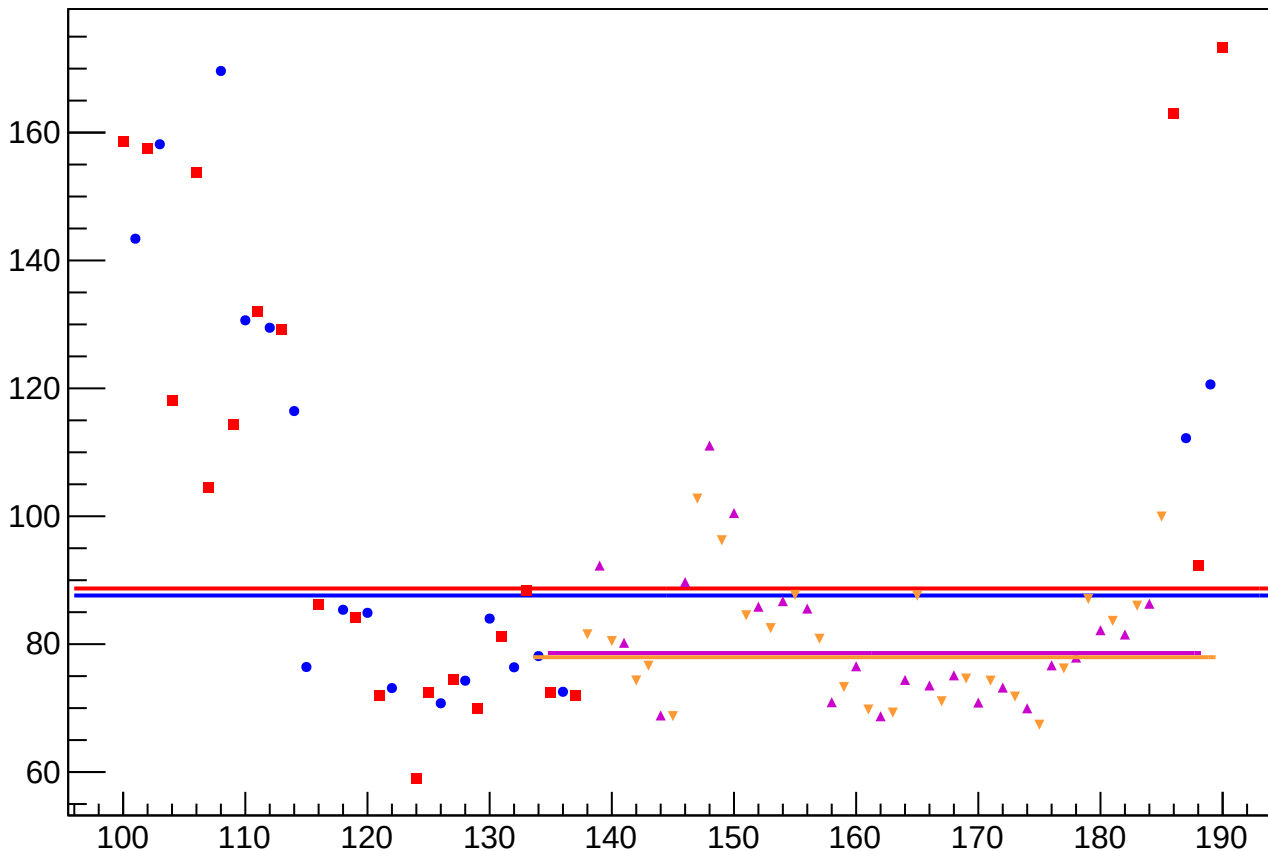
Left In: -0.004 ± 0.019 $\chi^2/\text{NDF}: 18.9/22$

+ sign 0.005 ± 0.016 $\chi^2/\text{NDF}: 47.7/42$

All: 0.004 ± 0.011 $\chi^2/\text{NDF}: 97.6/87$

- sign 0.002 ± 0.016 $\chi^2/\text{NDF}: 49.9/44$

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 87.609 $\pm$ 0.023 χ^2/NDF : 1132848.1/17

Left Out: 77.957 $\pm$ 0.013 χ^2/NDF : 439703.9/24

Right Out: 88.705 $\pm$ 0.022 χ^2/NDF : 1326750.1/21

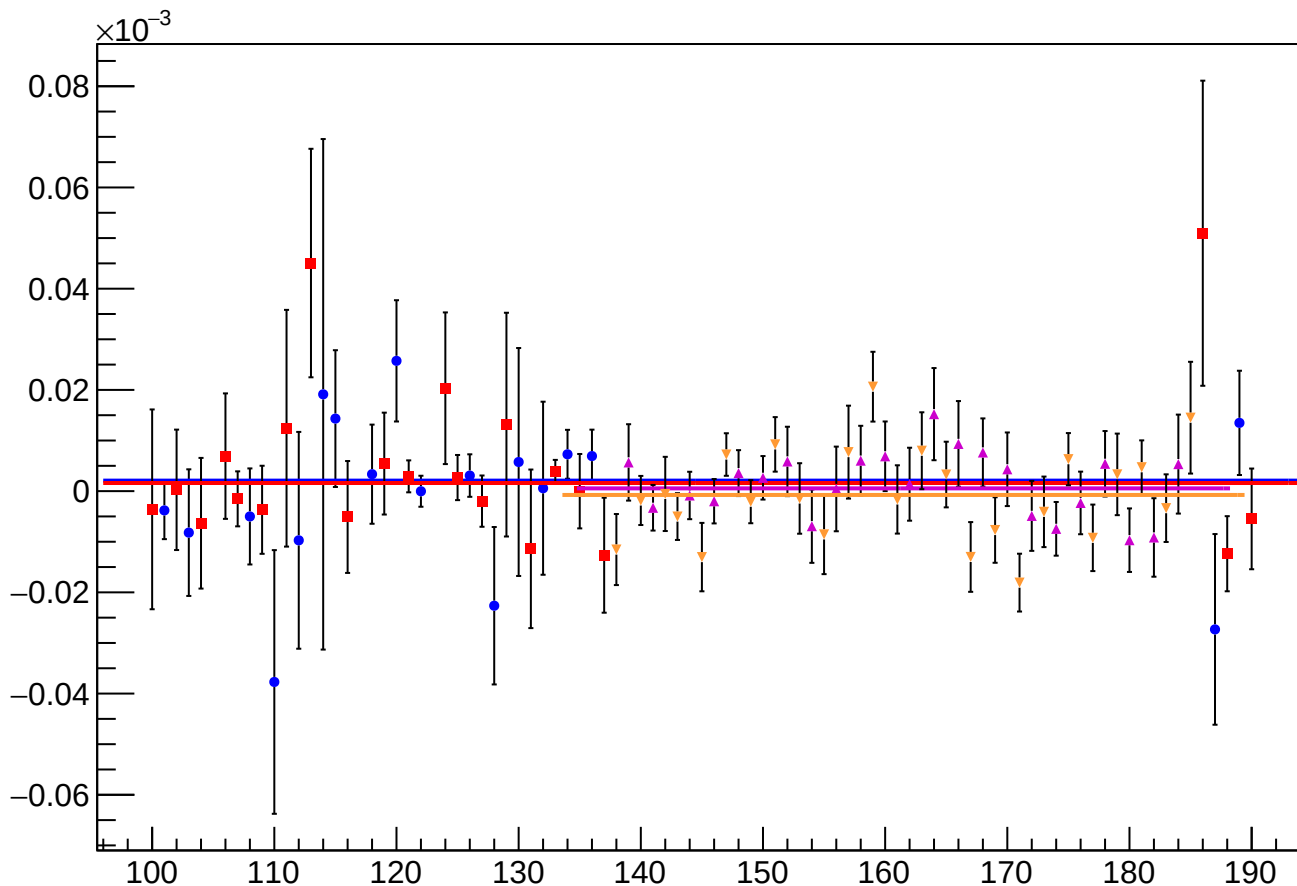
Left In: 78.615 $\pm$ 0.013 χ^2/NDF : 497808.4/22

+ sign 80.202 $\pm$ 0.011 χ^2/NDF : 1708456.4/42

All: 80.745 $\pm$ 0.008 χ^2/NDF : 3695507.3/87

- sign 81.307 $\pm$ 0.011 χ^2/NDF : 1982145.5/44

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18.6/17

Left Out: -0.000+/-0.000 χ^2/NDF : 47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18.4/21

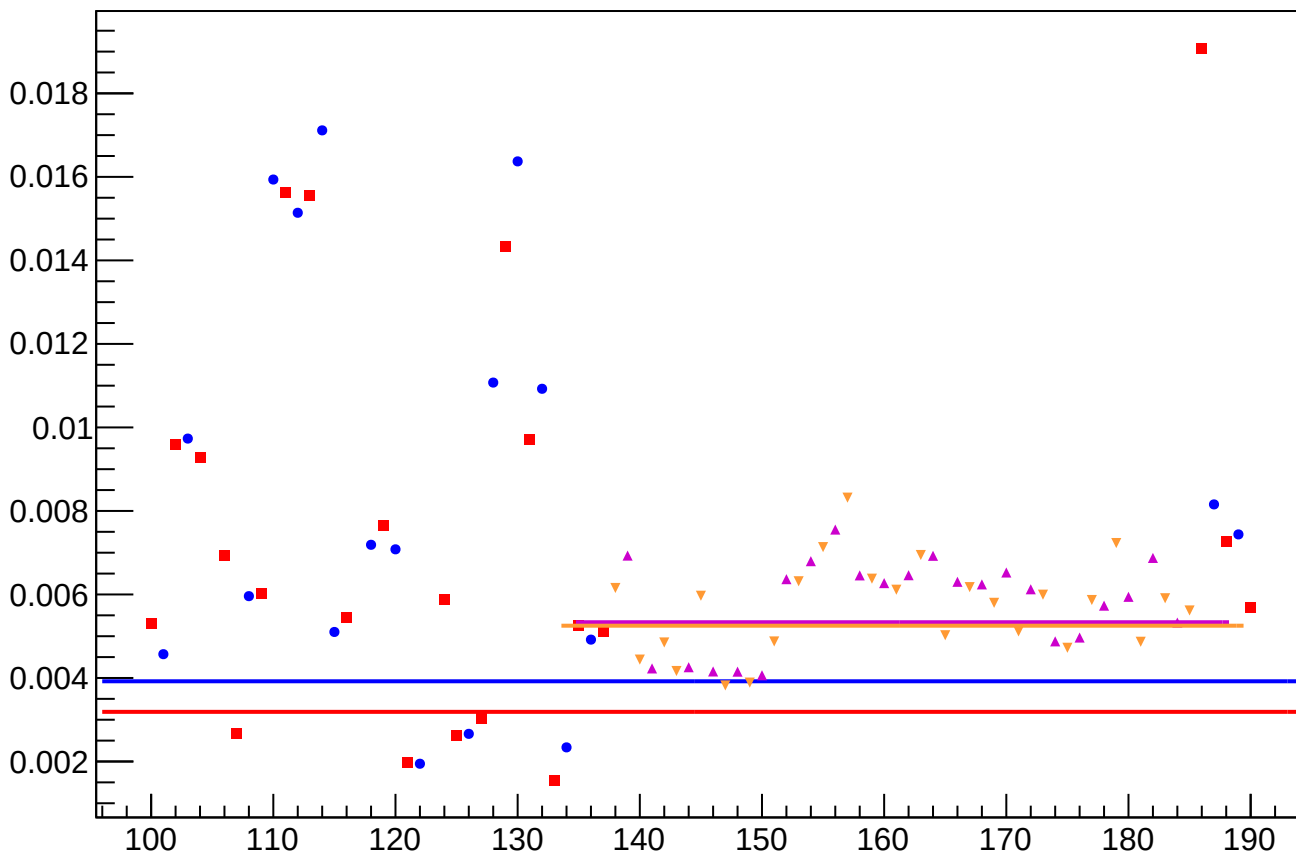
Left In: 0.000+/-0.000 χ^2/NDF : 18.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 67.9/42

All: 0.000+/-0.000 χ^2/NDF : 105.7/87

- sign 0.000+/-0.000 χ^2/NDF : 37.4/44

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5040920.7/17

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1511867.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 6886398.4/21

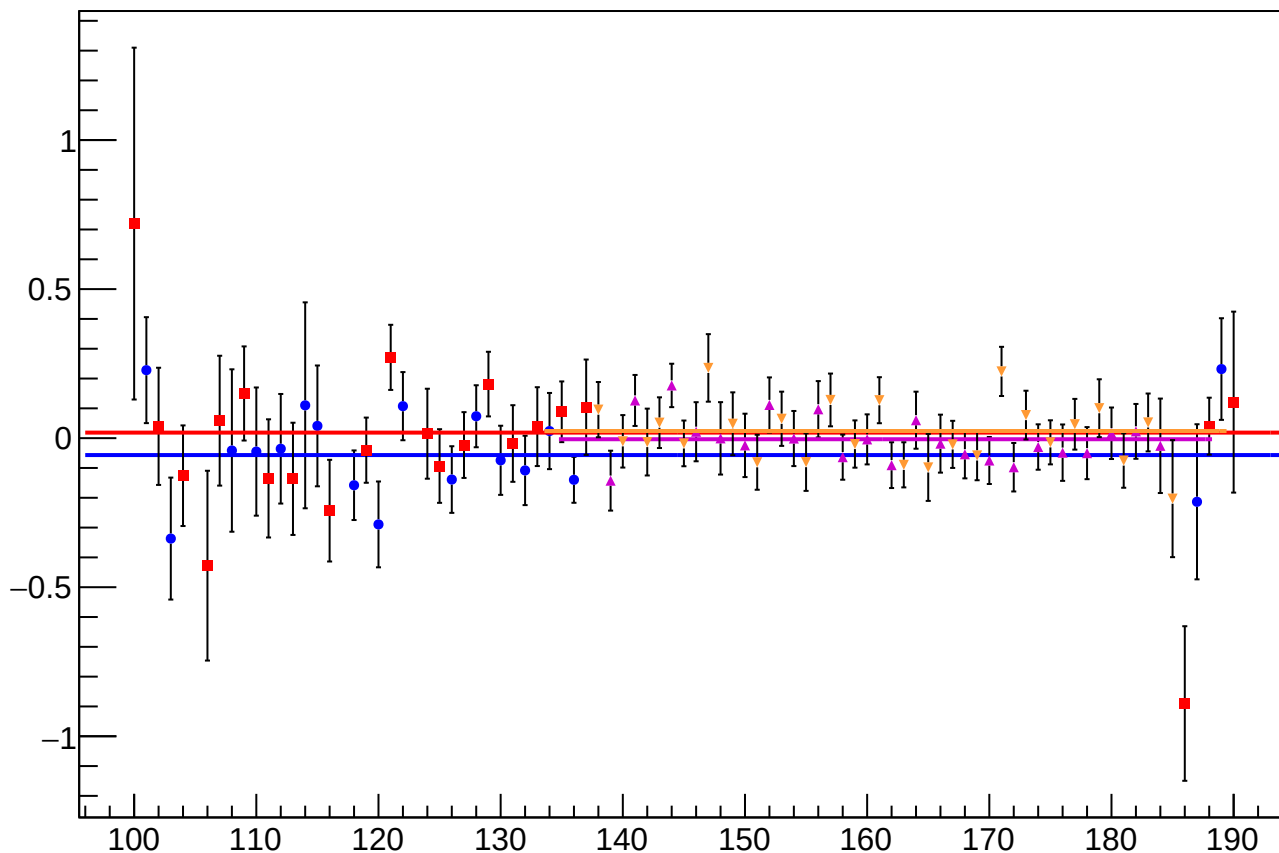
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1508187.9/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 7350829.7/42

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 18618459.8/87

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 11026333.5/44

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.057 ± 0.032 $\chi^2/\text{NDF}: 17.5/17$

Left Out: 0.024 ± 0.018 $\chi^2/\text{NDF}: 25.5/24$

Right Out: 0.019 ± 0.031 $\chi^2/\text{NDF}: 30.6/21$

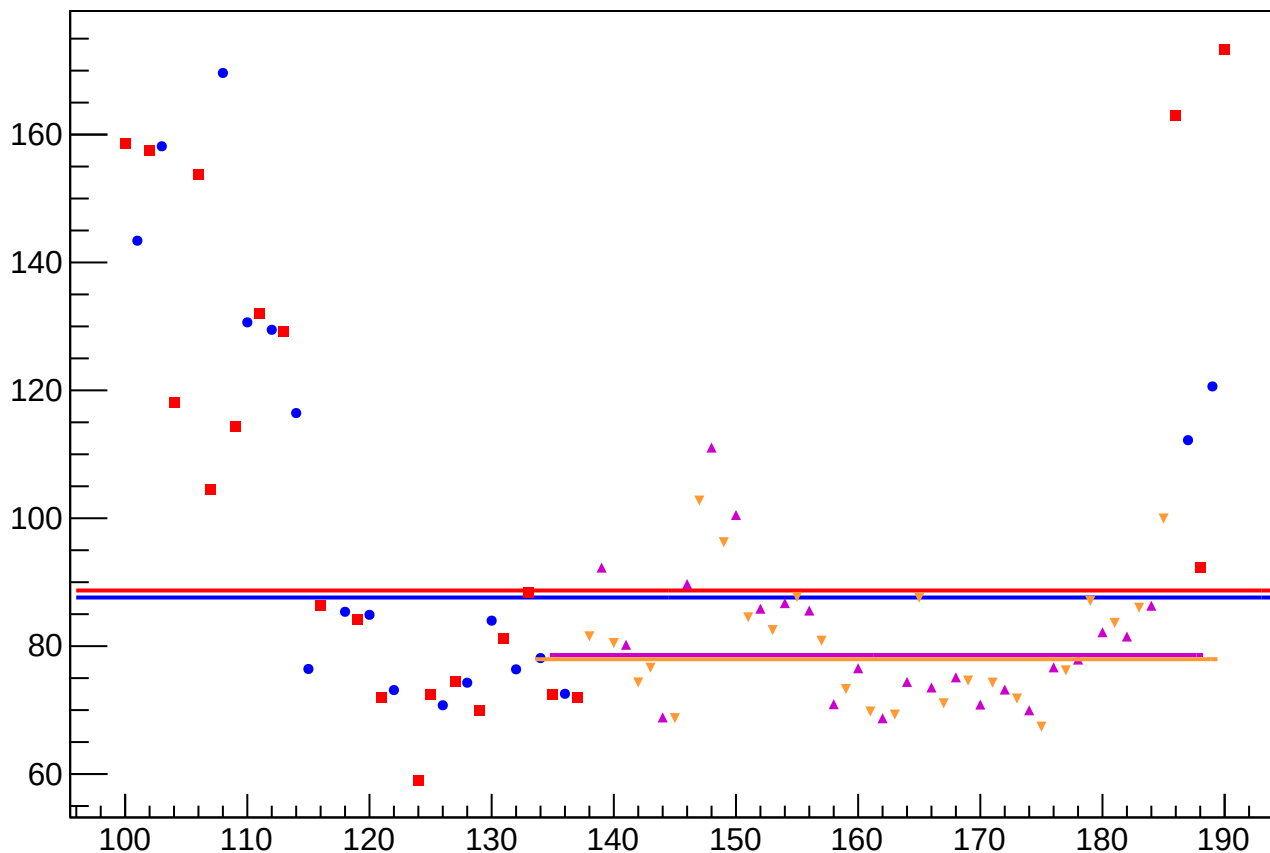
Left In: -0.004 ± 0.019 $\chi^2/\text{NDF}: 18.9/22$

+ sign 0.005 ± 0.016 $\chi^2/\text{NDF}: 47.7/42$

All: 0.004 ± 0.011 $\chi^2/\text{NDF}: 97.6/87$

- sign 0.002 ± 0.016 $\chi^2/\text{NDF}: 49.9/44$

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 87.606 ± 0.023 χ^2/NDF : 1132840.4/17

Left Out: 77.957 ± 0.013 χ^2/NDF : 439744.9/24

Right Out: 88.703 ± 0.022 χ^2/NDF : 1326728.1/21

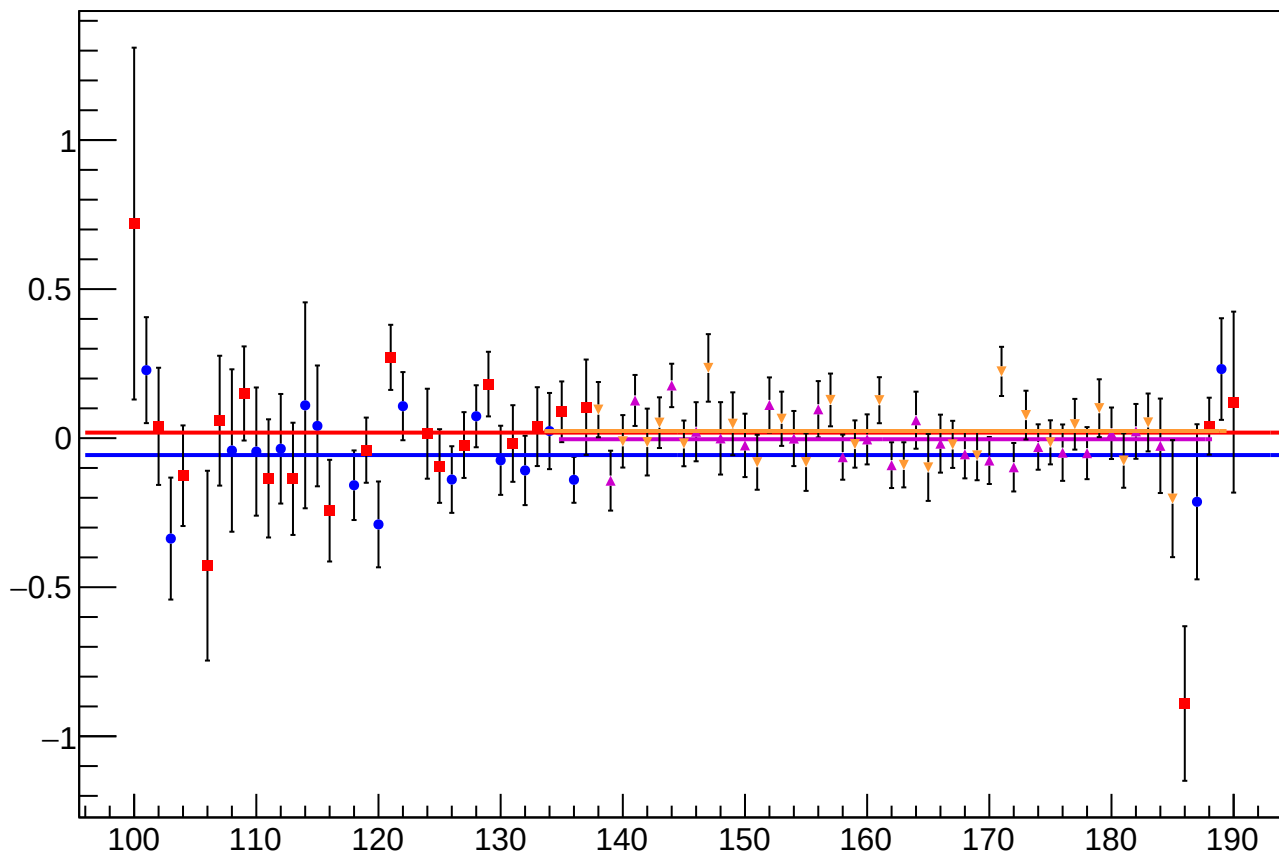
Left In: 78.614 ± 0.013 χ^2/NDF : 497846.3/22

+ sign 80.201 ± 0.011 χ^2/NDF : 1708437.4/42

All: 80.744 ± 0.008 χ^2/NDF : 3695465.1/87

- sign 81.305 ± 0.011 χ^2/NDF : 1982123.9/44

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.057 ± 0.032 χ^2/NDF : 17.5/17

Left Out: 0.024 ± 0.018 χ^2/NDF : 25.5/24

Right Out: 0.019 ± 0.031 χ^2/NDF : 30.6/21

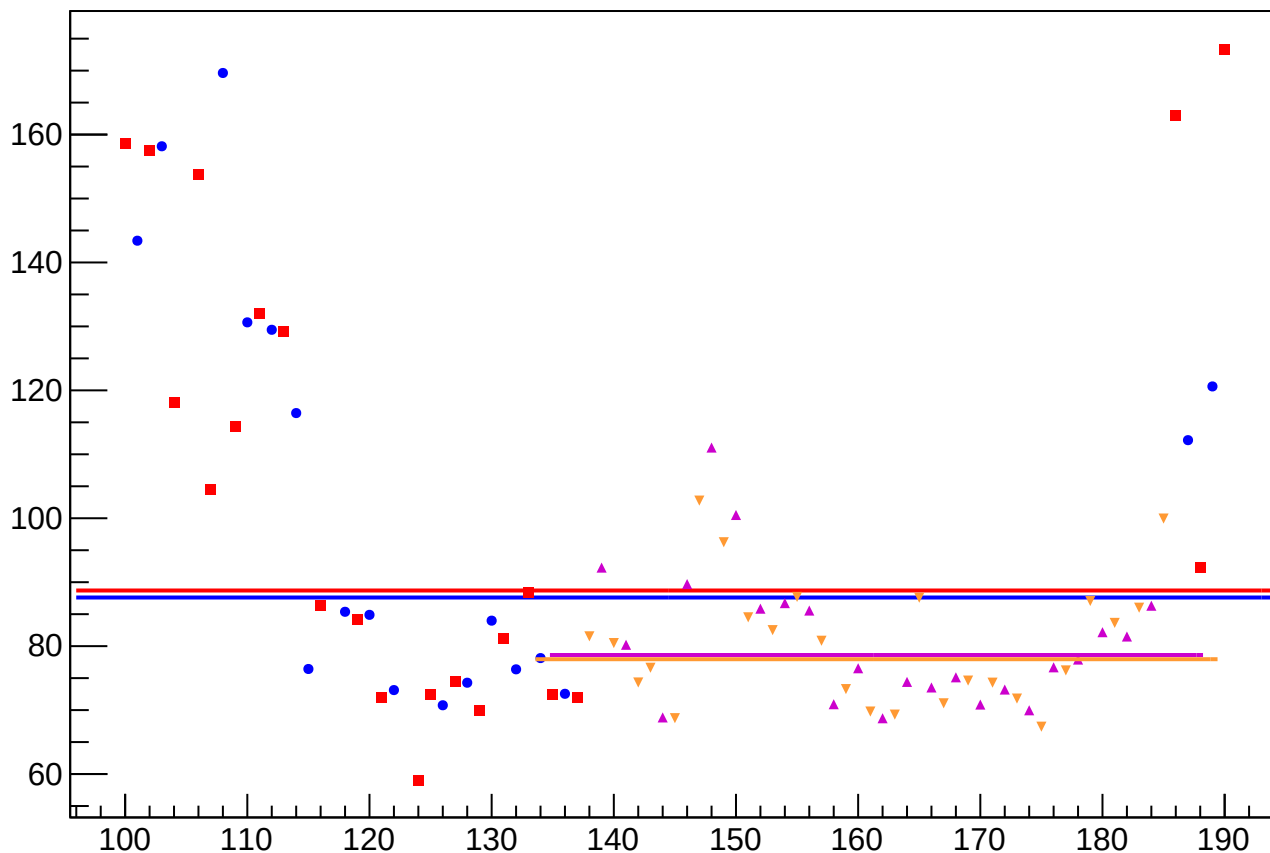
Left In: -0.004 ± 0.019 χ^2/NDF : 18.9/22

+ sign 0.005 ± 0.016 χ^2/NDF : 47.7/42

All: 0.004 ± 0.011 χ^2/NDF : 97.6/87

- sign 0.002 ± 0.016 χ^2/NDF : 49.9/44

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 87.606 ± 0.023 χ^2/NDF : 1132840.4/17

Left Out: 77.957 ± 0.013 χ^2/NDF : 439744.9/24

Right Out: 88.703 ± 0.022 χ^2/NDF : 1326728.1/21

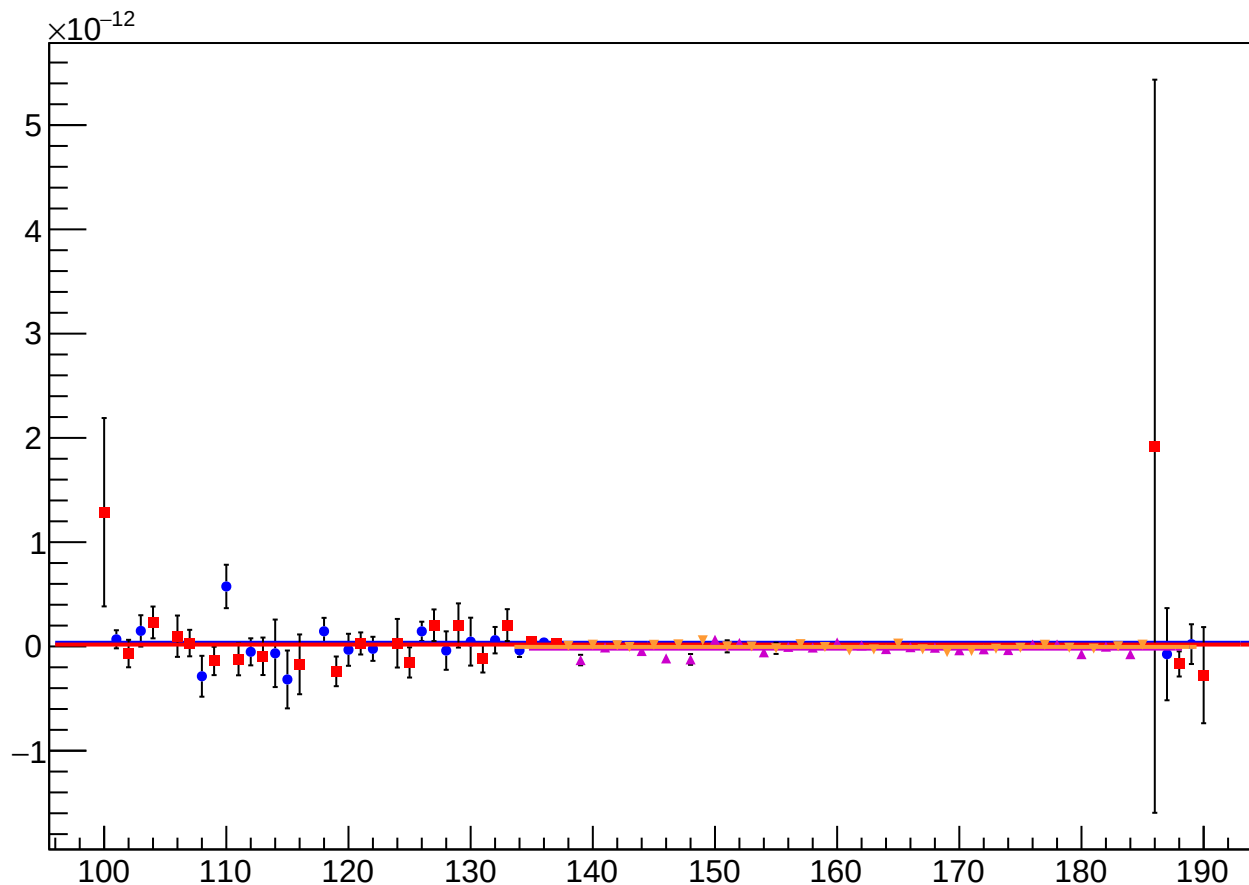
Left In: 78.614 ± 0.013 χ^2/NDF : 497846.3/22

+ sign 80.201 ± 0.011 χ^2/NDF : 1708437.4/42

All: 80.744 ± 0.008 χ^2/NDF : 3695465.1/87

- sign 81.305 ± 0.011 χ^2/NDF : 1982123.9/44

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 16.4/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF:13.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.1/21

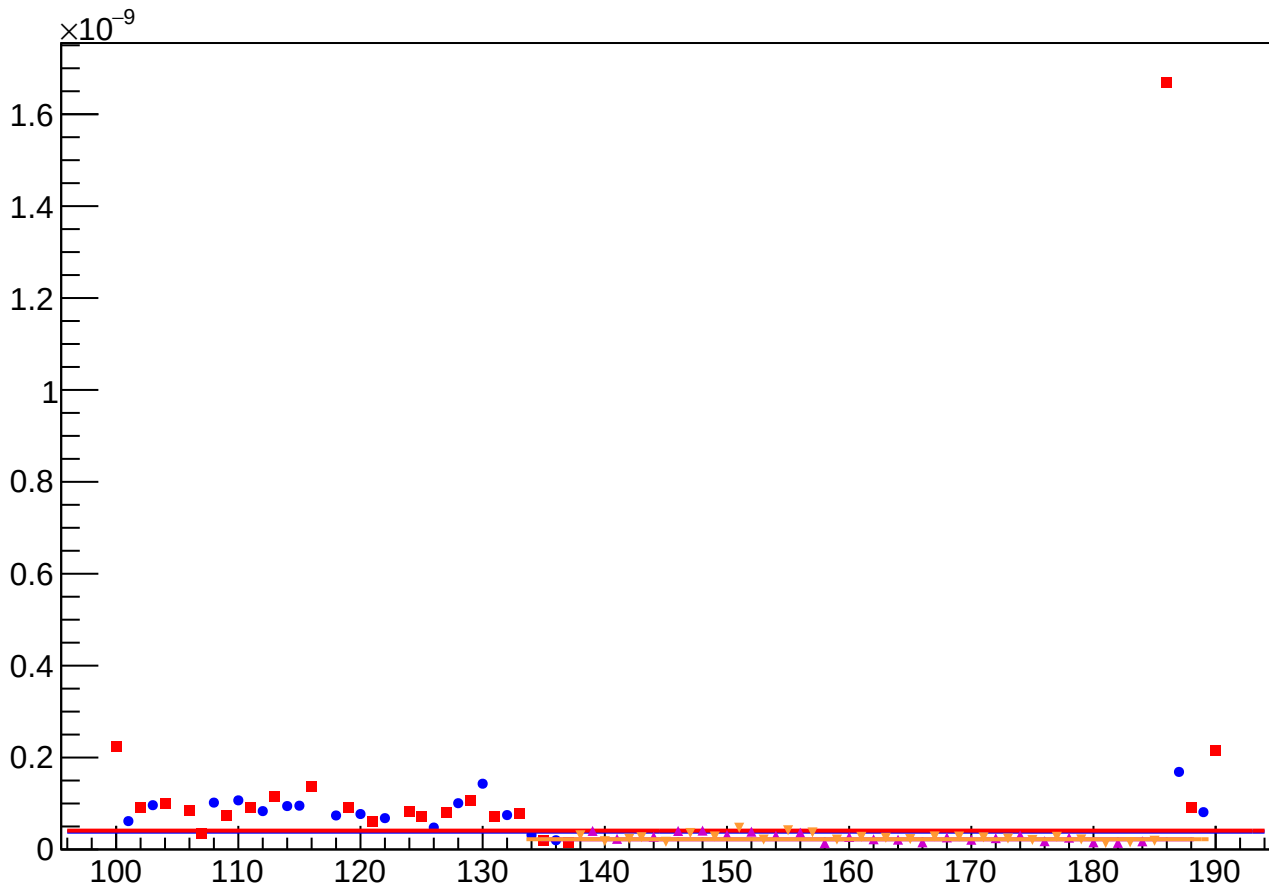
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:40.1/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 32.9/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 100.8/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 64.1/44

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3732512.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2302790.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5213883.6/21

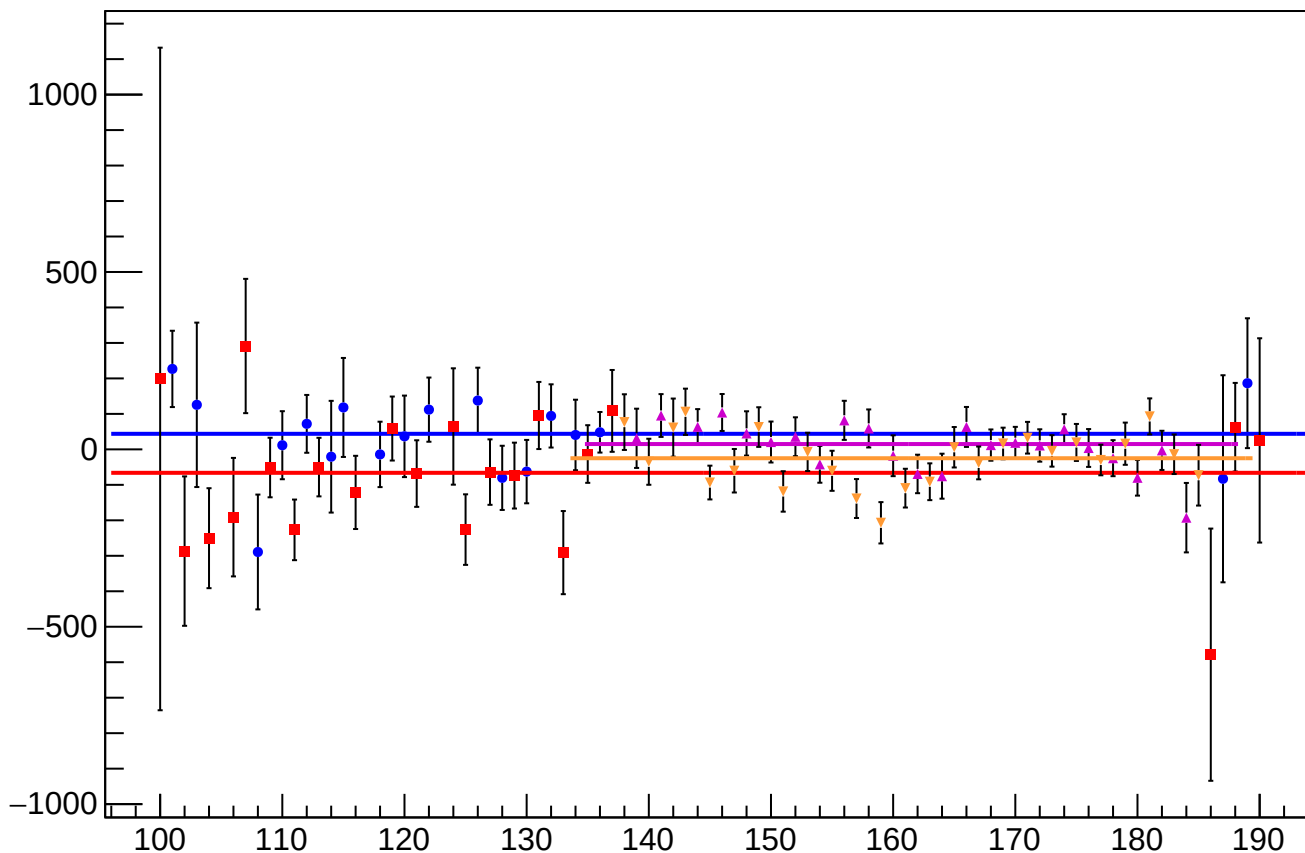
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2802318.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7210170.9/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 16621257.5/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9410889.2/44

reg_asym_sam_37_dd_mean vs Slug



Right In: 43.843 ± 23.917 $\chi^2/\text{NDF}: 14.4/17$

Left Out: -24.988 ± 10.888 $\chi^2/\text{NDF}: 43.1/24$

Right Out: -66.094 ± 23.828 $\chi^2/\text{NDF}: 28.6/21$

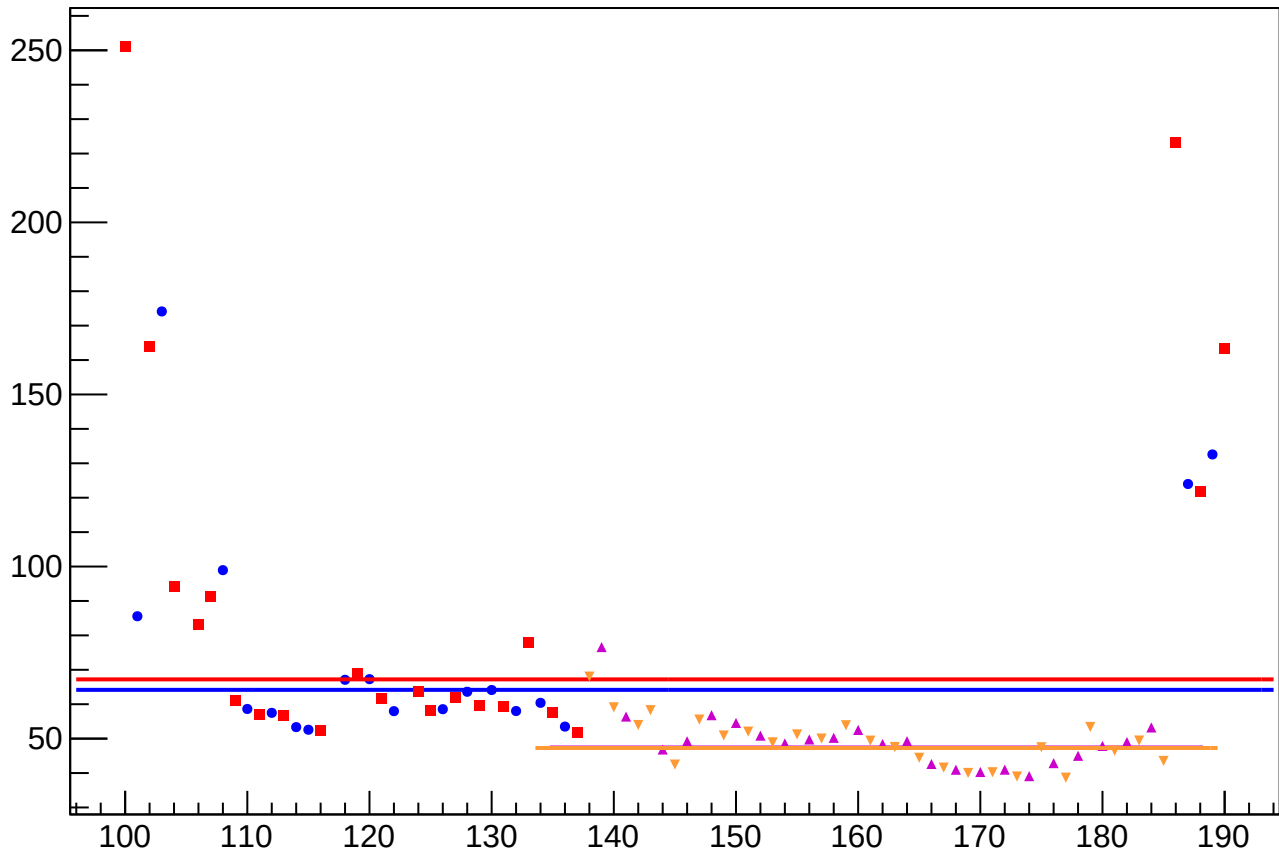
Left In: 14.994 ± 11.218 $\chi^2/\text{NDF}: 24.7/22$

+ sign -13.173 ± 9.909 $\chi^2/\text{NDF}: 64.3/42$

All: -6.606 ± 7.090 $\chi^2/\text{NDF}: 128.0/87$

- sign 0.282 ± 10.149 $\chi^2/\text{NDF}: 62.8/44$

reg_asym_sam_37_dd_rms vs Slug



Right In: 64.174+/-0.017 χ^2/NDF : 1130772.7/17

Left Out: 47.284+/-0.008 χ^2/NDF : 717249.8/24

Right Out: 67.215+/-0.017 χ^2/NDF : 1866073.5/21

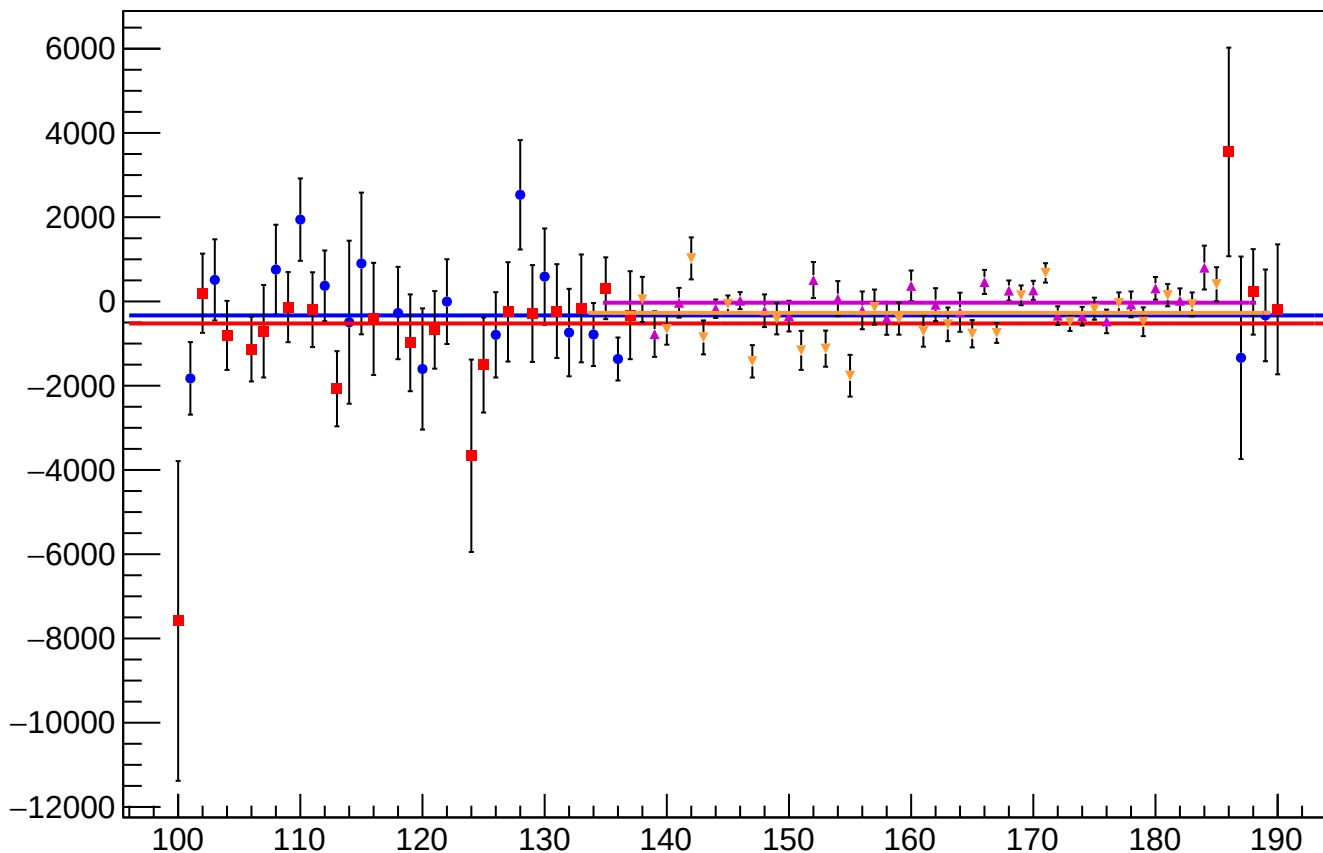
Left In: 47.425+/-0.008 χ^2/NDF : 655736.9/22

+ sign 50.183+/-0.007 χ^2/NDF : 2674214.5/42

All: 50.589+/-0.005 χ^2/NDF : 6332214.1/87

- sign 51.016+/-0.007 χ^2/NDF : 3651106.6/44

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -331.527+/-231.872 χ^2/NDF : 22.9/17

Left Out: -271.031+/-62.346 χ^2/NDF : 73.9/24

Right Out: -522.245+/-224.324 χ^2/NDF : 15.9/21

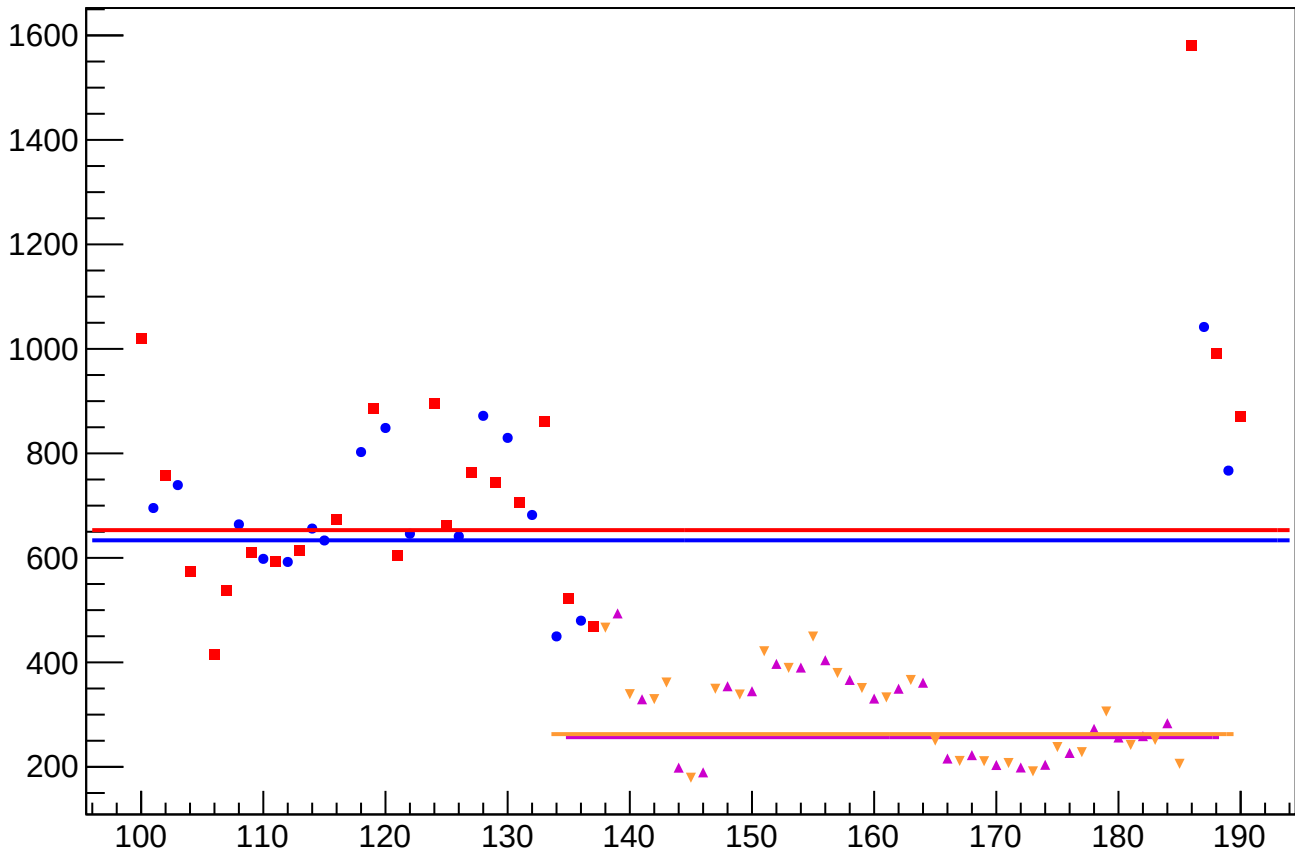
Left In: -29.200+/-62.671 χ^2/NDF : 24.4/22

+ sign -275.110+/-60.207 χ^2/NDF : 96.9/42

All: -170.268+/-42.627 χ^2/NDF : 147.7/87

- sign -64.897+/-60.359 χ^2/NDF : 44.8/44

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 633.603 ± 0.164 χ^2/NDF : 657100.2/17

Left Out: 262.679 ± 0.044 χ^2/NDF : 2893255.4/24

Right Out: 653.116 ± 0.159 χ^2/NDF : 1159926.1/21

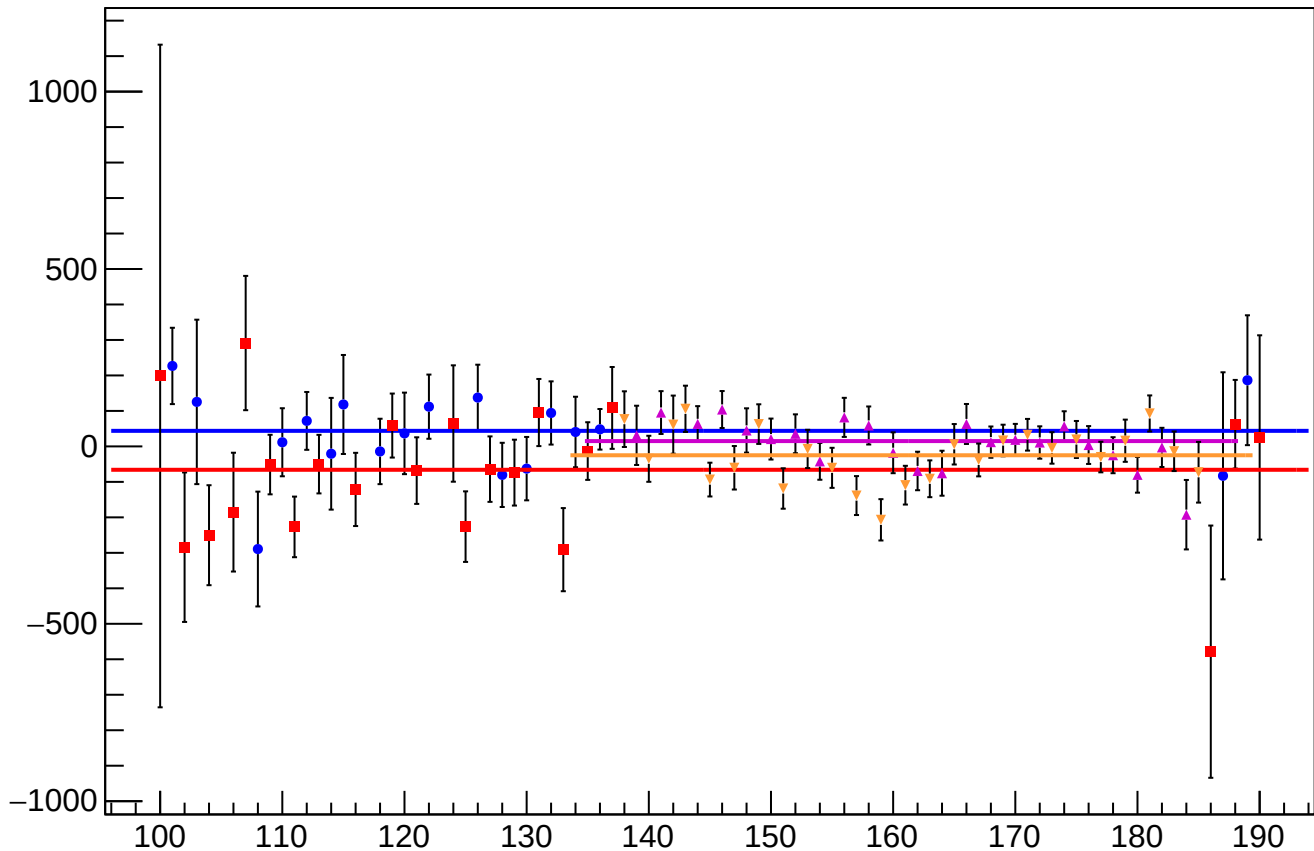
Left In: 256.842 ± 0.044 χ^2/NDF : 2639200.9/22

+ sign 287.687 ± 0.043 χ^2/NDF : 8323328.7/42

All: 286.613 ± 0.030 χ^2/NDF : 17913084.8/87

- sign 285.532 ± 0.043 χ^2/NDF : 9588478.0/44

cor_asym_sam_37_dd_mean vs Slug



Right In: 43.837 ± 23.917 χ^2/NDF : 14.4/17

Left Out: -24.985 ± 10.888 χ^2/NDF : 43.1/24

Right Out: -65.919 ± 23.829 χ^2/NDF : 28.5/21

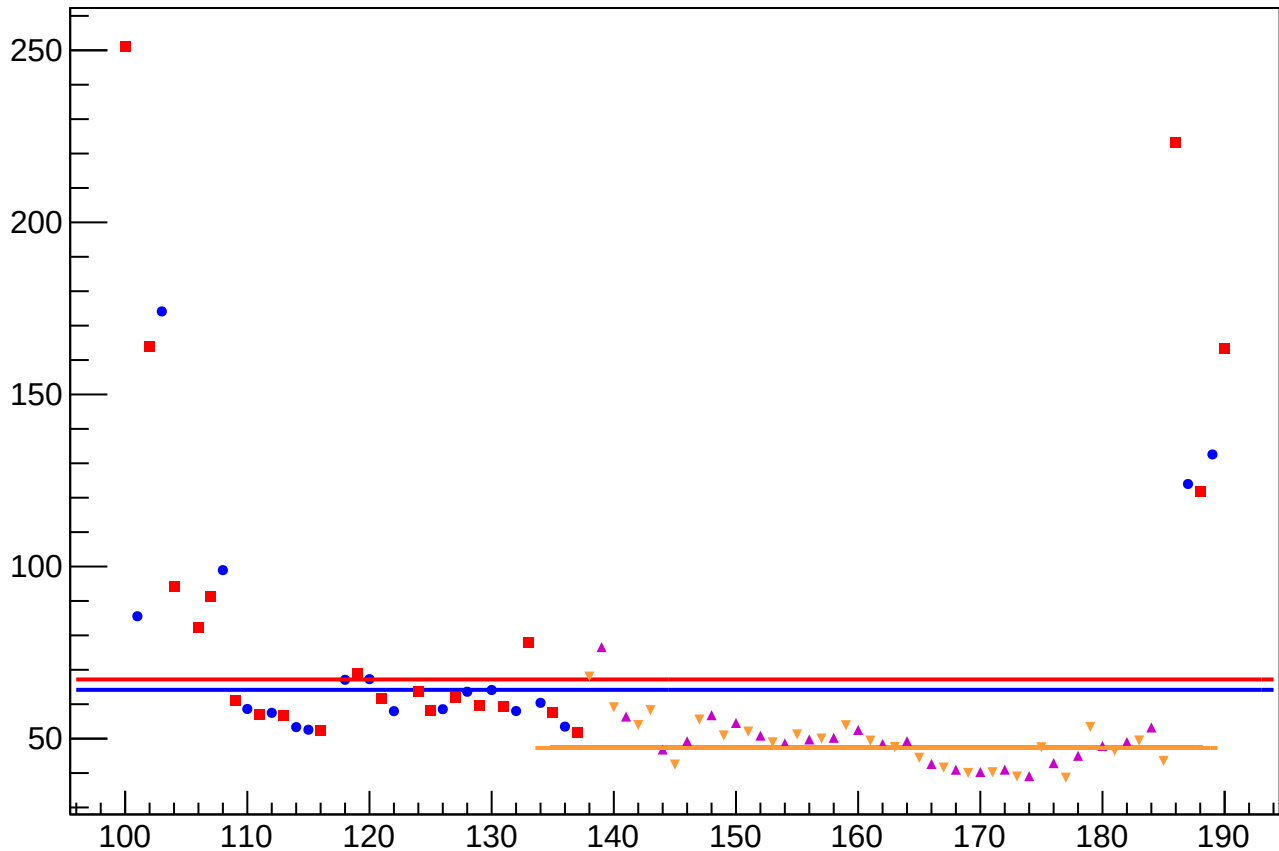
Left In: 14.992 ± 11.218 χ^2/NDF : 24.7/22

+ sign -13.171 ± 9.909 χ^2/NDF : 64.3/42

All: -6.590 ± 7.090 χ^2/NDF : 127.9/87

- sign 0.314 ± 10.150 χ^2/NDF : 62.7/44

cor_asym_sam_37_dd_rms vs Slug



Right In: 64.174 $\pm$ 0.017 χ^2 /NDF: 1130774.9/17

Left Out: 47.284 $\pm$ 0.008 χ^2 /NDF: 717249.7/24

Right Out: 67.193 $\pm$ 0.017 χ^2 /NDF: 1863890.0/21

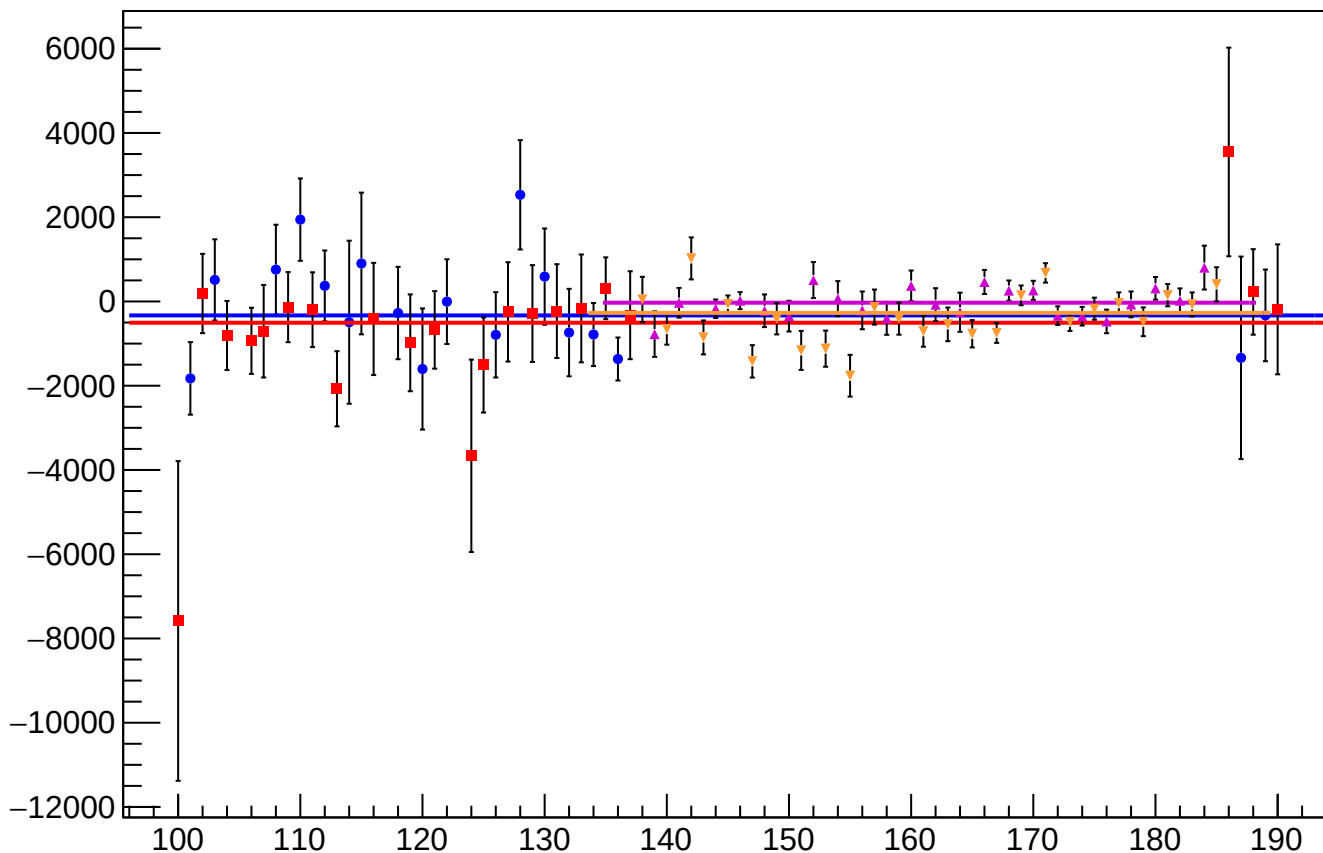
Left In: 47.425 $\pm$ 0.008 χ^2 /NDF: 655736.9/22

+ sign 50.183 $\pm$ 0.007 χ^2 /NDF: 2674216.2/42

All: 50.587 $\pm$ 0.005 χ^2 /NDF: 6327276.9/87

- sign 51.011 $\pm$ 0.007 χ^2 /NDF: 3646241.1/44

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -331.523 ± 231.873 χ^2/NDF : 22.9/17

Left Out: -271.027 ± 62.346 χ^2/NDF : 73.9/24

Right Out: -504.778 ± 224.711 χ^2/NDF : 15.5/21

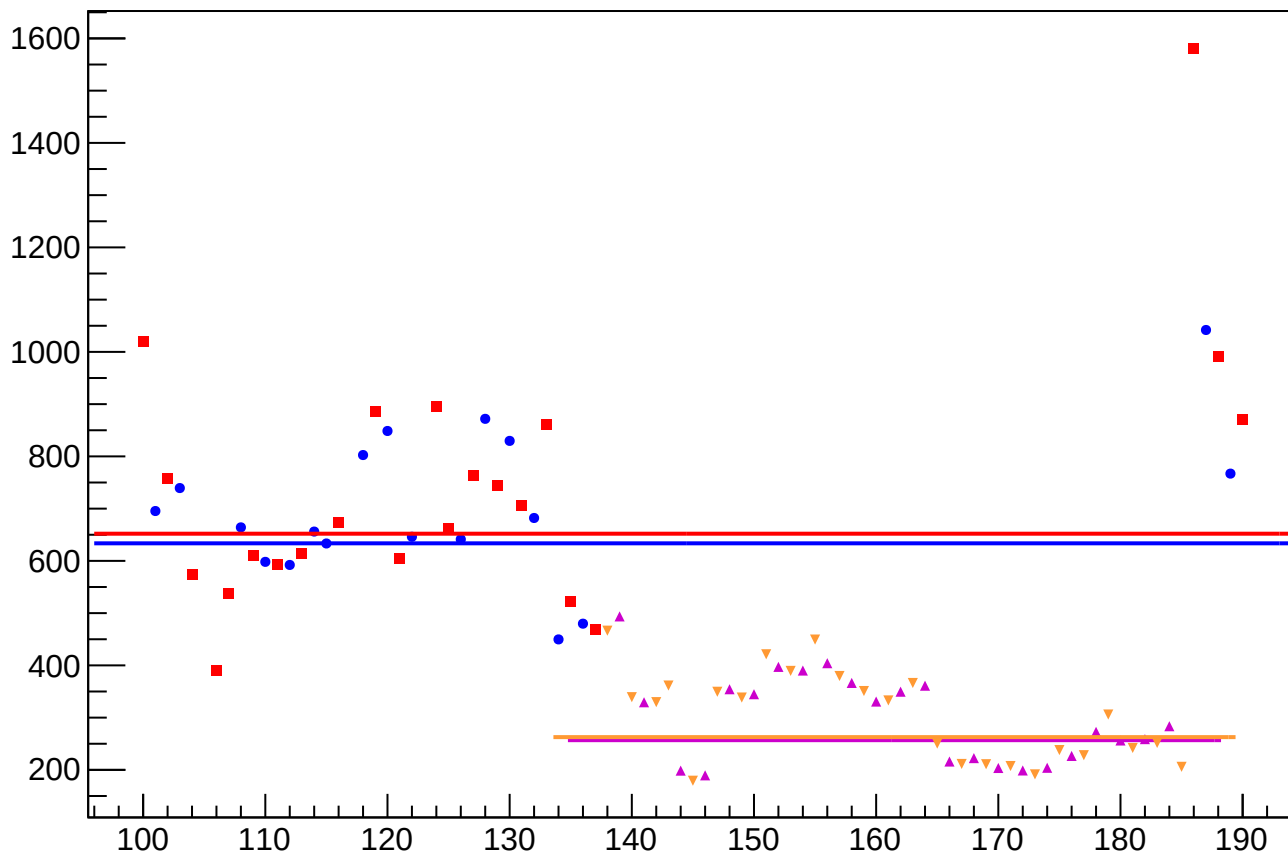
Left In: -29.202 ± 62.671 χ^2/NDF : 24.4/22

+ sign -275.105 ± 60.207 χ^2/NDF : 96.8/42

All: -169.594 ± 42.629 χ^2/NDF : 147.1/87

- sign -63.524 ± 60.367 χ^2/NDF : 44.1/44

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 633.606 $\pm$ 0.164 χ^2/NDF : 657130.2/17

Left Out: 262.679 $\pm$ 0.044 χ^2/NDF : 2893257.1/24

Right Out: 652.024 $\pm$ 0.159 χ^2/NDF : 1190699.7/21

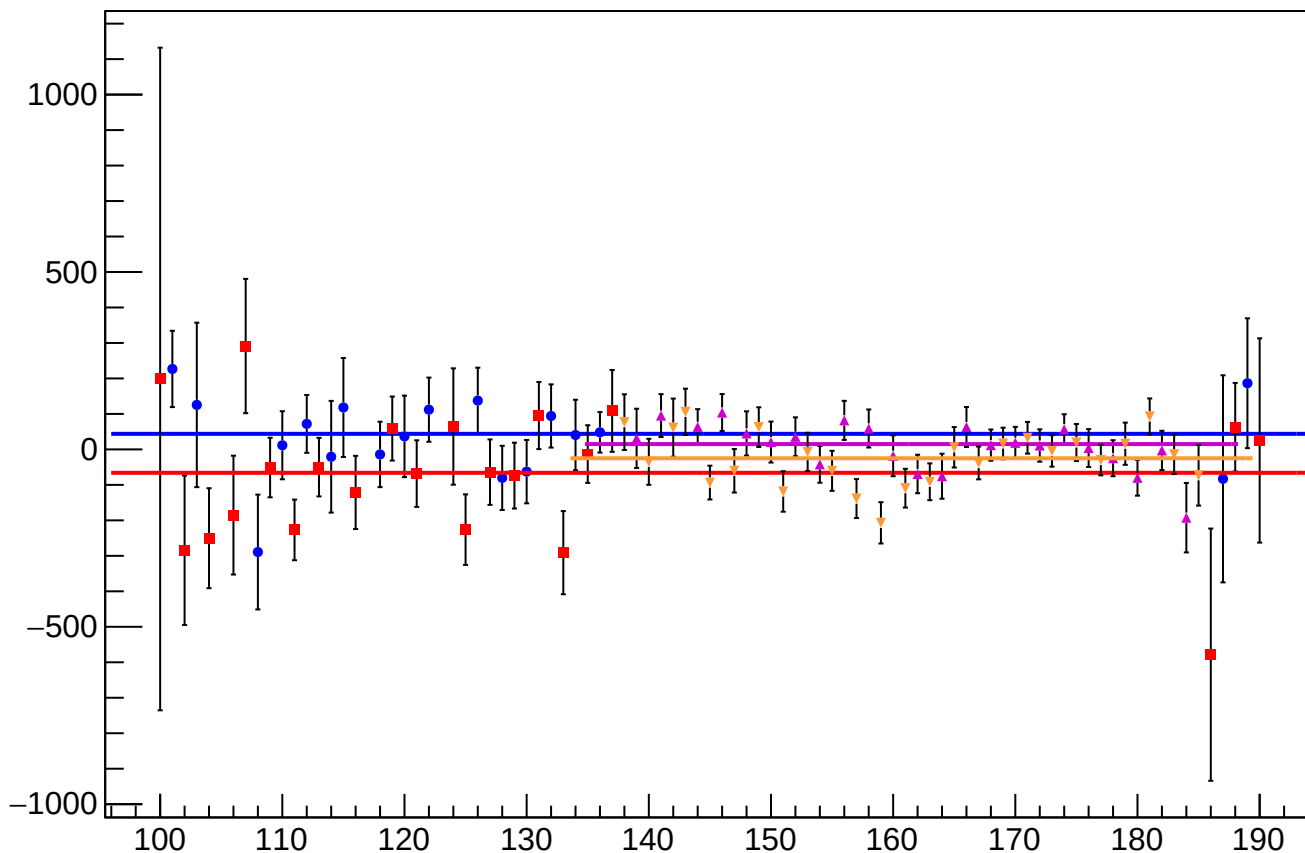
Left In: 256.842 $\pm$ 0.044 χ^2/NDF : 2639196.2/22

+ sign 287.687 $\pm$ 0.043 χ^2/NDF : 8323382.9/42

All: 286.528 $\pm$ 0.030 χ^2/NDF : 17893883.1/87

- sign 285.362 $\pm$ 0.043 χ^2/NDF : 9569012.7/44

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 43.837 ± 23.917 $\chi^2/\text{NDF}: 14.4/17$

Left Out: -24.985 ± 10.888 $\chi^2/\text{NDF}: 43.1/24$

Right Out: -65.919 ± 23.829 $\chi^2/\text{NDF}: 28.5/21$

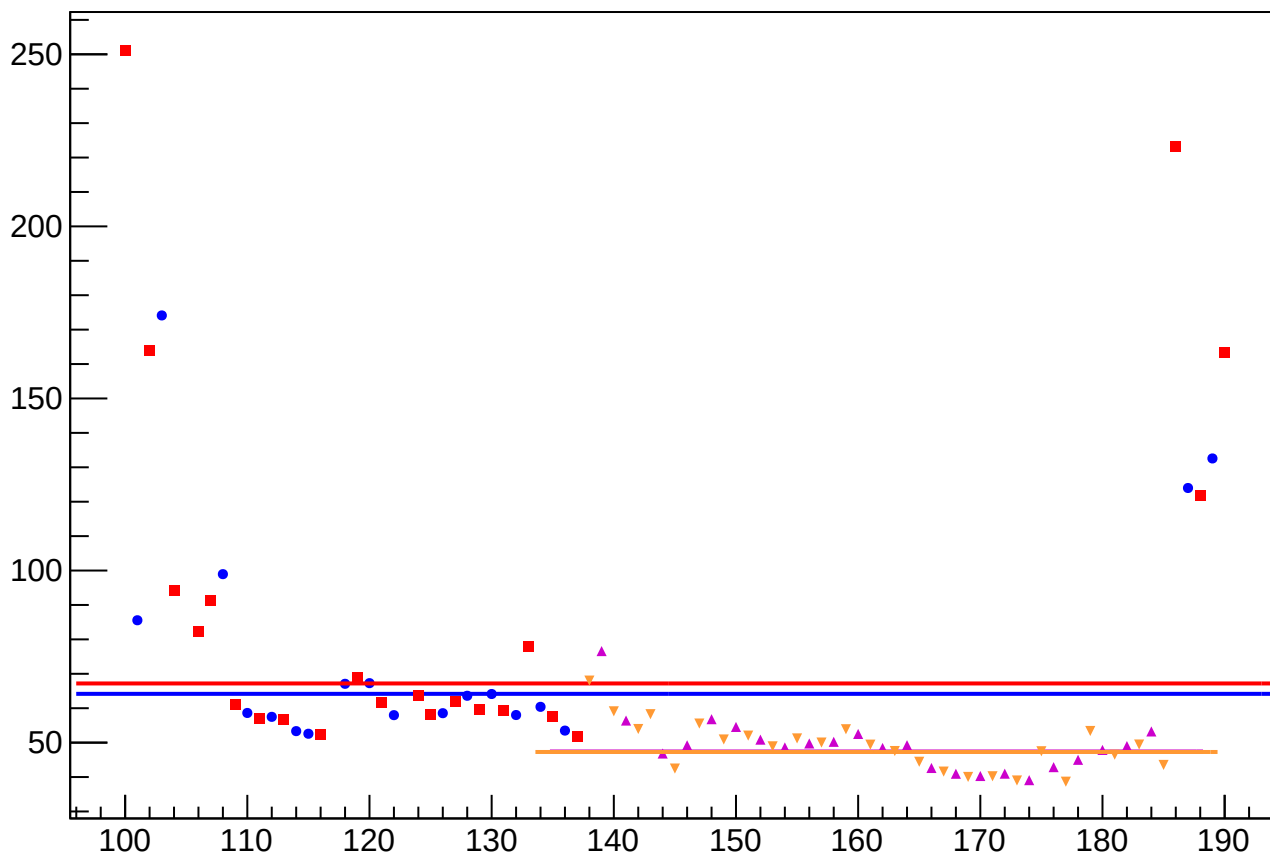
Left In: 14.992 ± 11.218 $\chi^2/\text{NDF}: 24.7/22$

+ sign -13.171 ± 9.909 $\chi^2/\text{NDF}: 64.3/42$

All: -6.590 ± 7.090 $\chi^2/\text{NDF}: 127.9/87$

- sign 0.314 ± 10.150 $\chi^2/\text{NDF}: 62.7/44$

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 64.174 ± 0.017 $\chi^2/\text{NDF}: 1130774.9/17$

Left Out: 47.284 ± 0.008 $\chi^2/\text{NDF}: 717249.7/24$

Right Out: 67.193 ± 0.017 $\chi^2/\text{NDF}: 1863890.0/21$

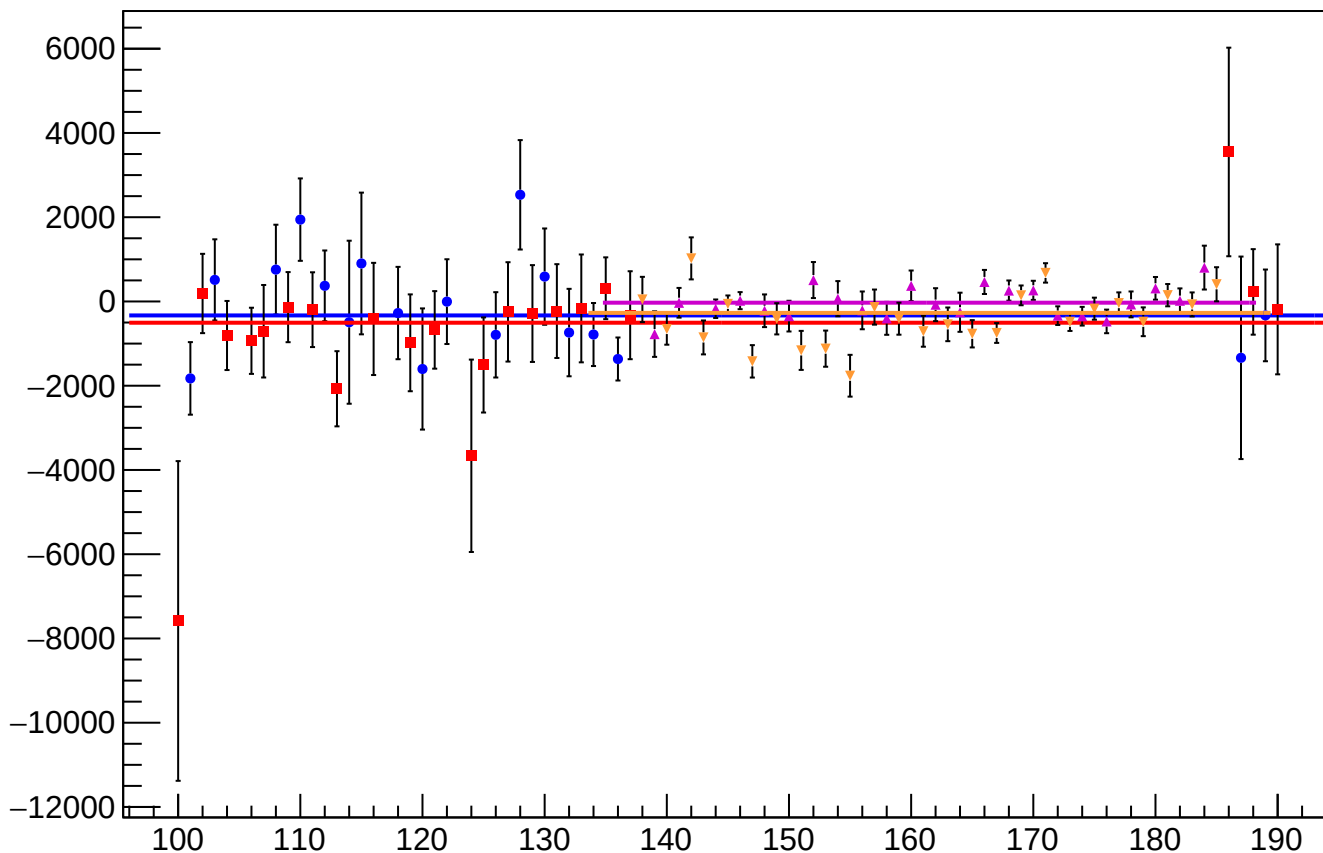
Left In: 47.425 ± 0.008 $\chi^2/\text{NDF}: 655736.9/22$

+ sign 50.183 ± 0.007 $\chi^2/\text{NDF}: 2674216.2/42$

All: 50.587 ± 0.005 $\chi^2/\text{NDF}: 6327276.9/87$

- sign 51.011 ± 0.007 $\chi^2/\text{NDF}: 3646241.1/44$

asym_sam_37_dd_eigen_cor_correction_mean vs Slug



Right In: -331.523 ± 231.873 χ^2/NDF : 22.9/17

Left Out: -271.027 ± 62.346 χ^2/NDF : 73.9/24

Right Out: -504.778 ± 224.711 χ^2/NDF : 15.5/21

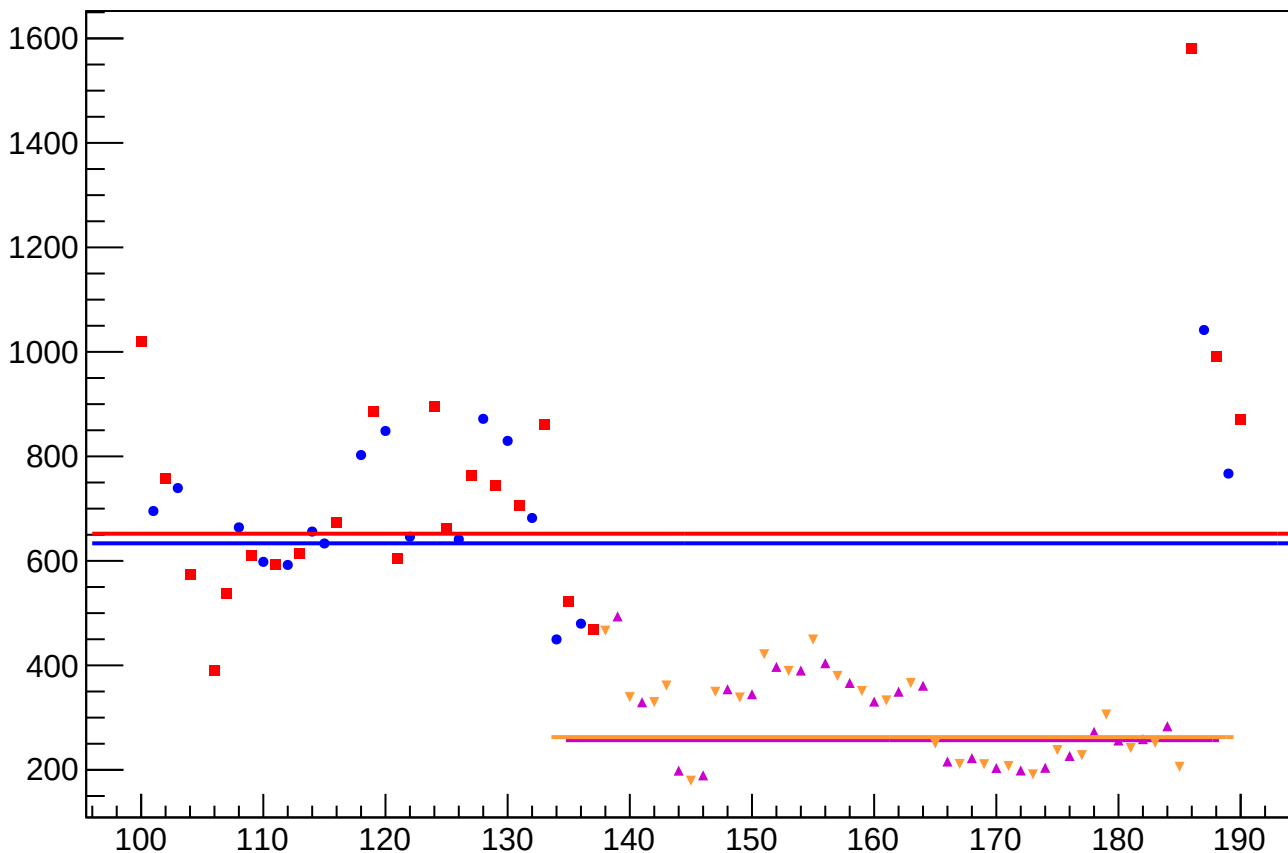
Left In: -29.202 ± 62.671 χ^2/NDF : 24.4/22

+ sign -275.105 ± 60.207 χ^2/NDF : 96.8/42

All: -169.594 ± 42.629 χ^2/NDF : 147.1/87

- sign -63.524 ± 60.367 χ^2/NDF : 44.1/44

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 633.606 $\pm$ 0.164 χ^2 /NDF: 657130.2/17

Left Out: 262.679 $\pm$ 0.044 χ^2 /NDF: 2893257.1/24

Right Out: 652.024 $\pm$ 0.159 χ^2 /NDF: 1190699.7/21

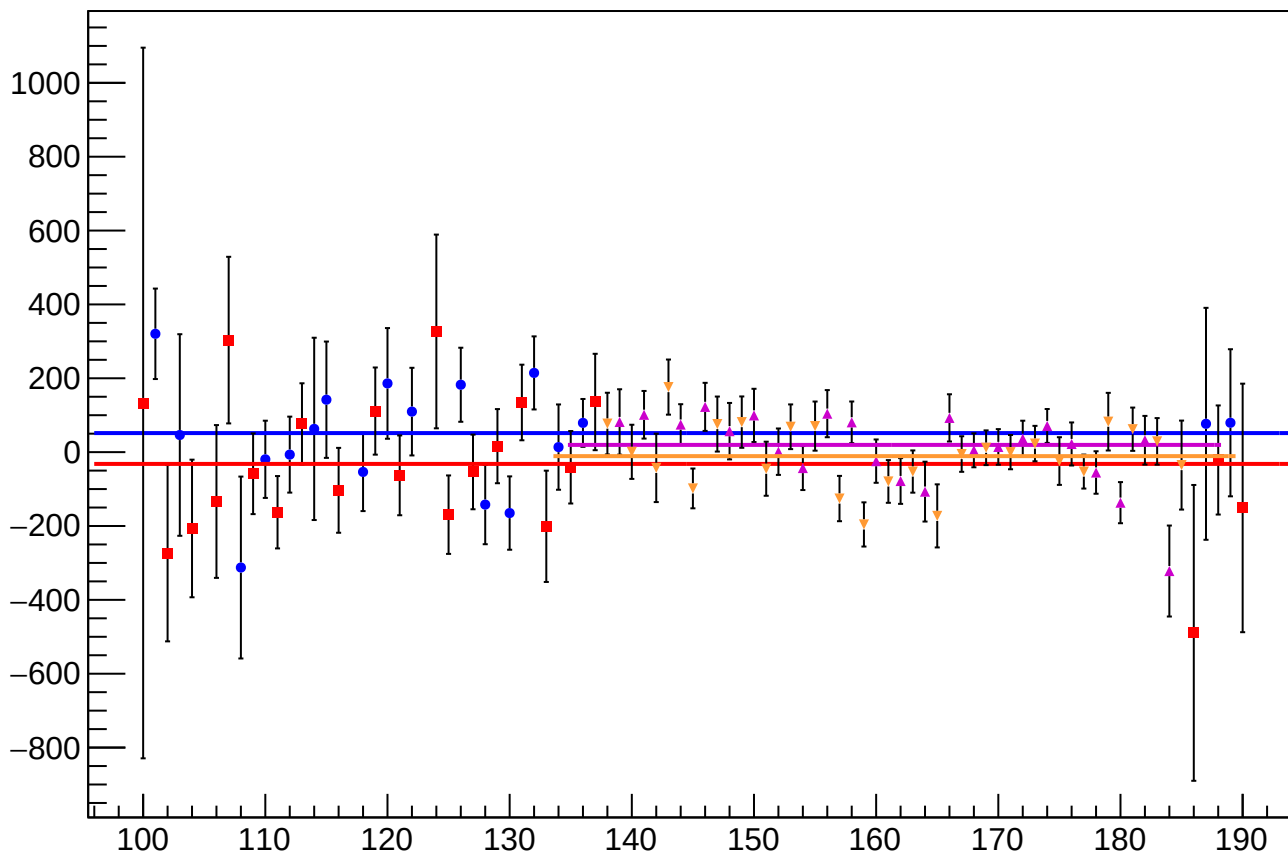
Left In: 256.842 $\pm$ 0.044 χ^2 /NDF: 2639196.2/22

+ sign 287.687 $\pm$ 0.043 χ^2 /NDF: 8323382.9/42

All: 286.528 $\pm$ 0.030 χ^2 /NDF: 17893883.1/87

- sign 285.362 $\pm$ 0.043 χ^2 /NDF: 9569012.7/44

dit_asym_sam_37_dd_mean vs Slug



Right In: 51.608 $\pm$ 27.923 χ^2/NDF : 22.9/17

Left Out: -10.823 $\pm$ 12.306 χ^2/NDF : 40.4/24

Right Out: -31.896 $\pm$ 28.201 χ^2/NDF : 20.0/21

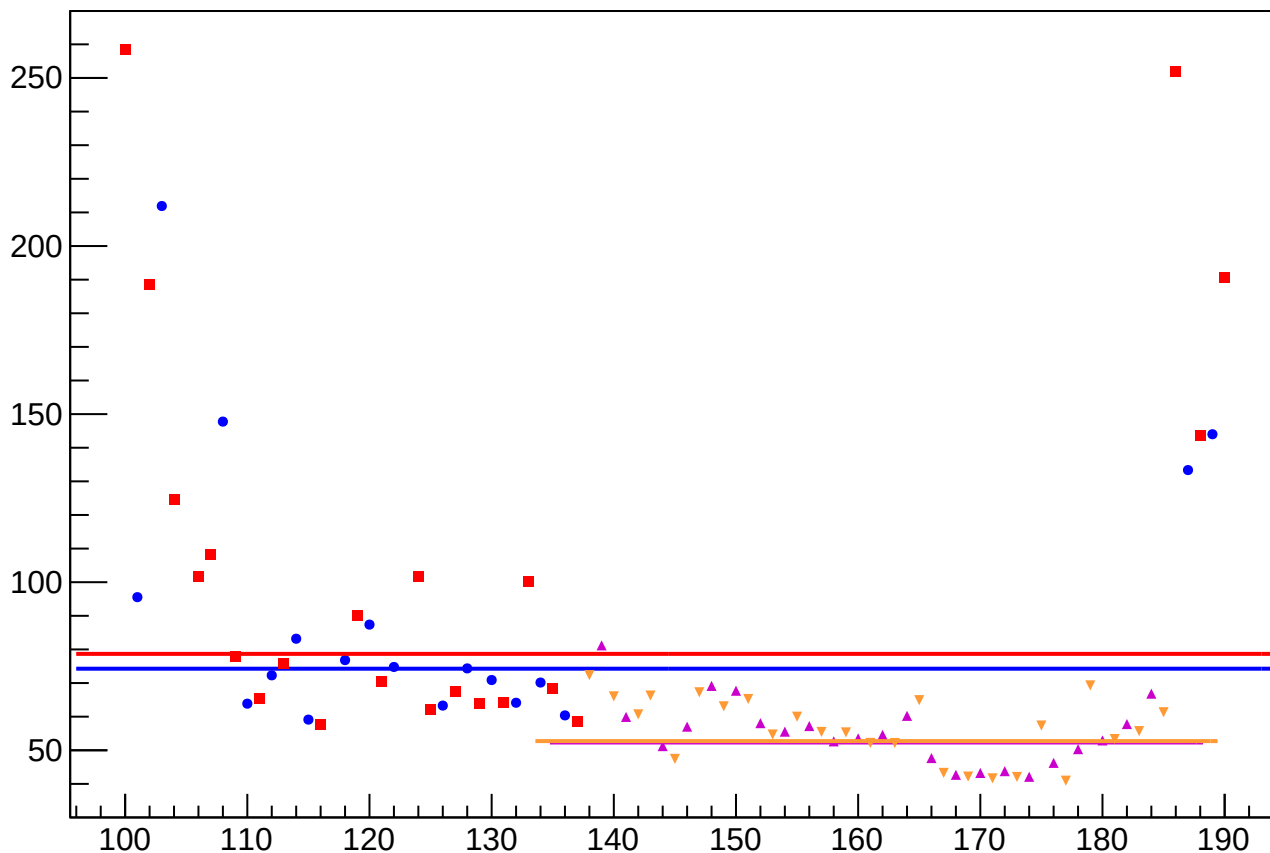
Left In: 19.597 $\pm$ 12.546 χ^2/NDF : 36.8/22

+ sign -0.669 $\pm$ 11.261 χ^2/NDF : 67.5/42

All: 5.106 $\pm$ 8.033 χ^2/NDF : 127.5/87

- sign 11.090 $\pm$ 11.463 χ^2/NDF : 59.5/44

dit_asym_sam_37_dd_rms vs Slug



Right In: 74.268 $\pm$ 0.020 χ^2 /NDF: 1263185.2/17

Left Out: 52.731 $\pm$ 0.009 χ^2 /NDF: 1167195.4/24

Right Out: 78.678 $\pm$ 0.020 χ^2 /NDF: 2076651.6/21

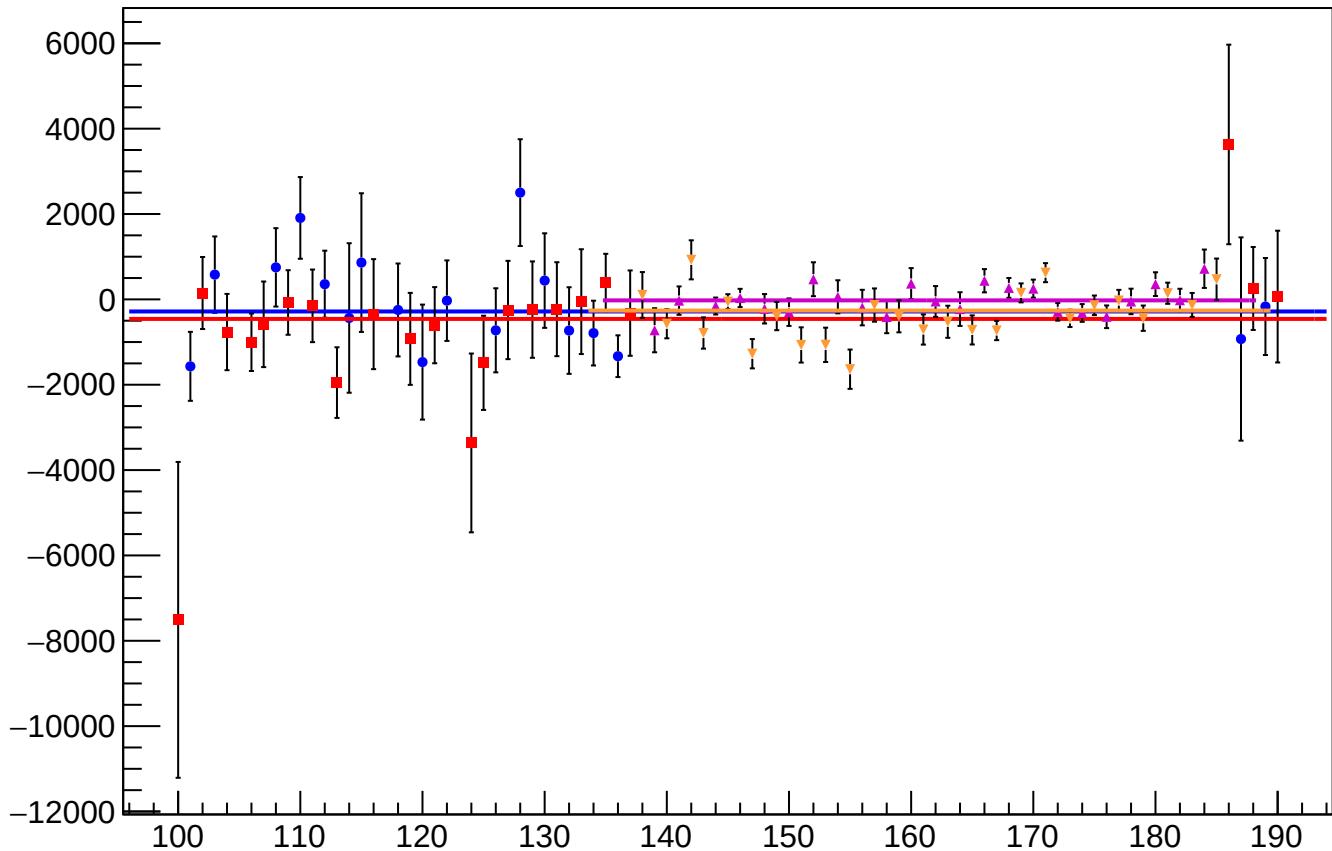
Left In: 52.314 $\pm$ 0.009 χ^2 /NDF: 891847.5/22

+ sign 56.234 $\pm$ 0.008 χ^2 /NDF: 3426680.1/42

All: 56.448 $\pm$ 0.006 χ^2 /NDF: 7855839.8/87

- sign 56.669 $\pm$ 0.008 χ^2 /NDF: 4427688.5/44

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -283.304 ± 222.373 χ^2/NDF : 22.9/17

Left Out: -262.582 ± 58.501 χ^2/NDF : 72.2/24

Right Out: -457.976 ± 212.459 χ^2/NDF : 17.1/21

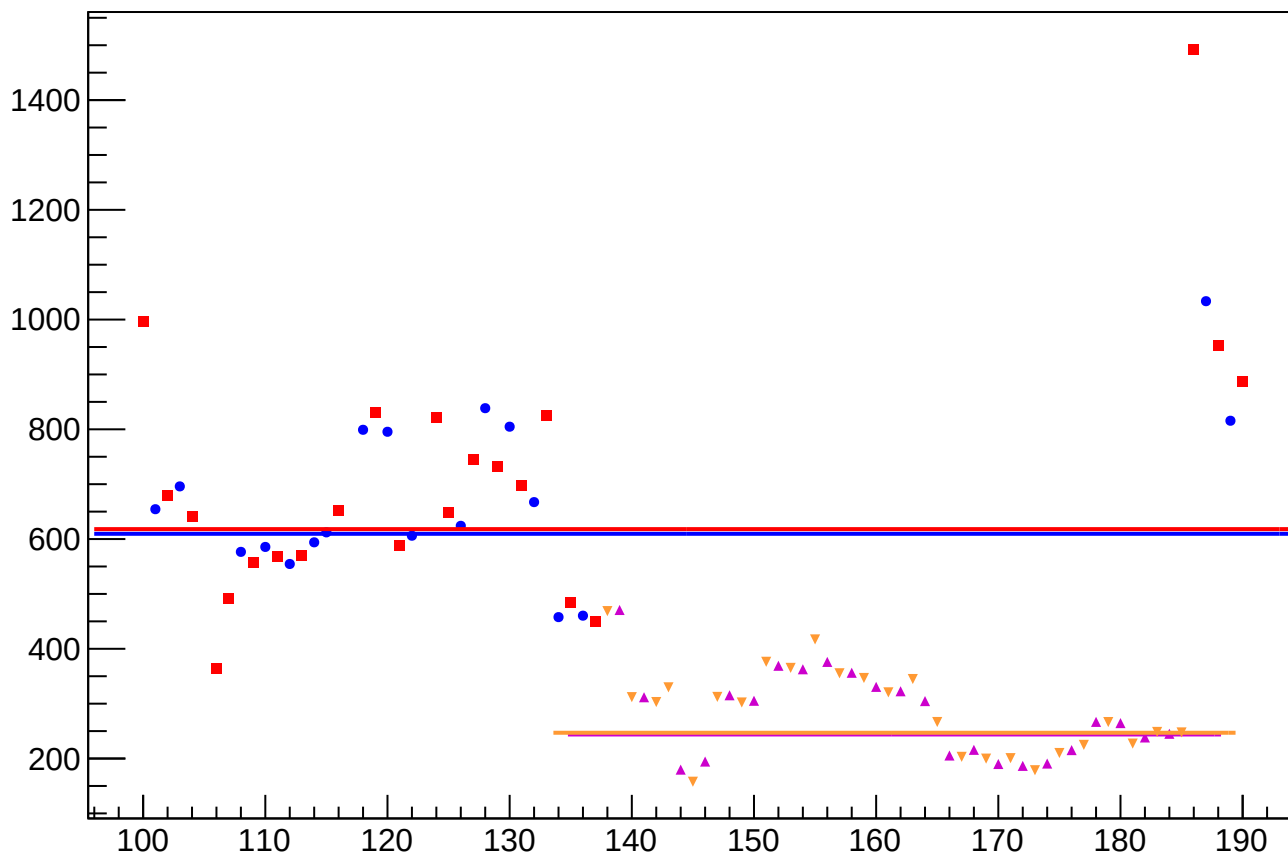
Left In: -23.469 ± 59.397 χ^2/NDF : 24.2/22

+ sign -263.923 ± 56.576 χ^2/NDF : 95.1/42

All: -160.597 ± 40.225 χ^2/NDF : 147.0/87

- sign -54.967 ± 57.203 χ^2/NDF : 45.2/44

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 609.590 $\pm$ 0.157 χ^2 /NDF: 668558.7/17

Left Out: 246.995 $\pm$ 0.041 χ^2 /NDF: 2925691.6/24

Right Out: 618.112 $\pm$ 0.150 χ^2 /NDF: 1303191.4/21

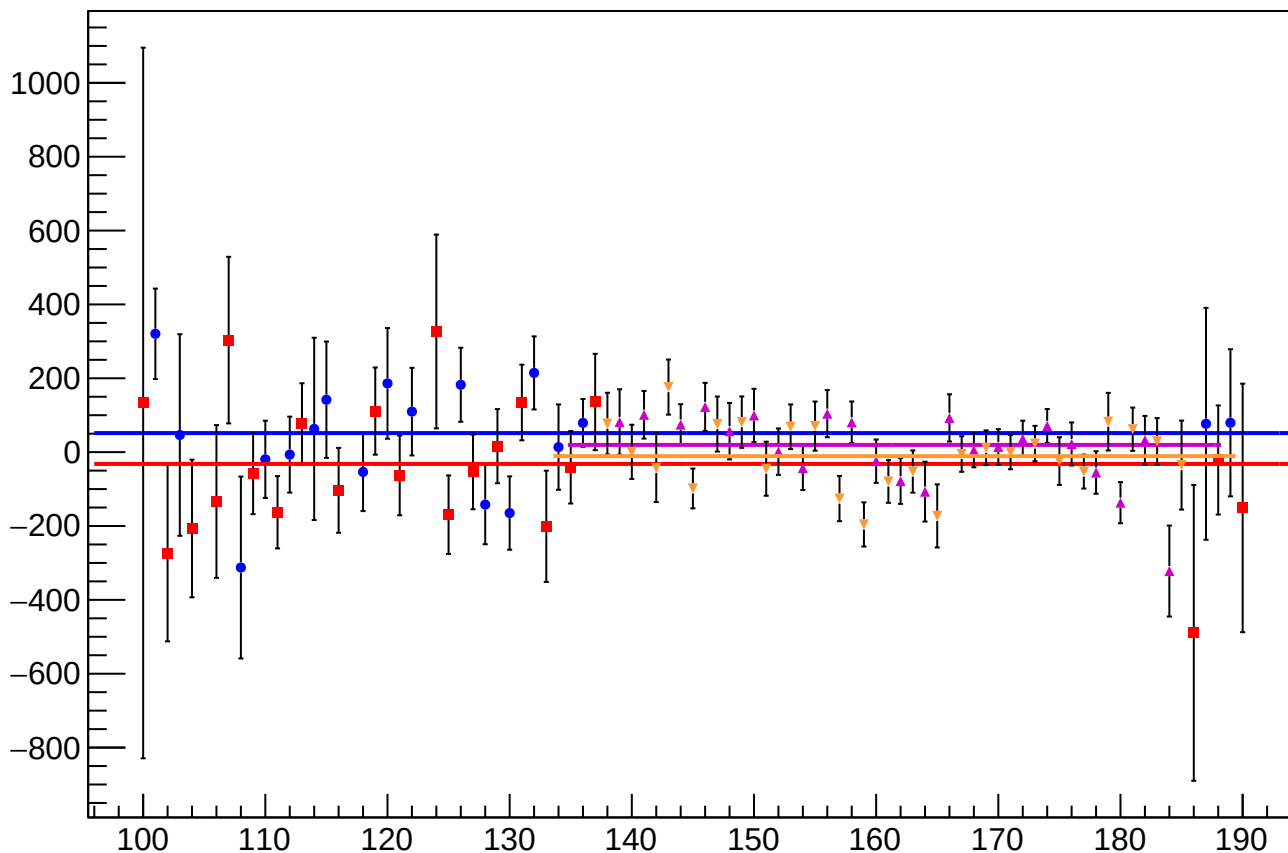
Left In: 243.825 $\pm$ 0.042 χ^2 /NDF: 2490545.8/22

+ sign 270.466 $\pm$ 0.040 χ^2 /NDF: 8567542.3/42

All: 270.709 $\pm$ 0.028 χ^2 /NDF: 18118487.9/87

- sign 270.958 $\pm$ 0.040 χ^2 /NDF: 9550870.7/44

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 51.608 $\pm$ 27.923 χ^2 /NDF: 22.9/17

Left Out: -10.822 $\pm$ 12.306 χ^2 /NDF: 40.4/24

Right Out: -31.895 $\pm$ 28.201 χ^2 /NDF: 20.0/21

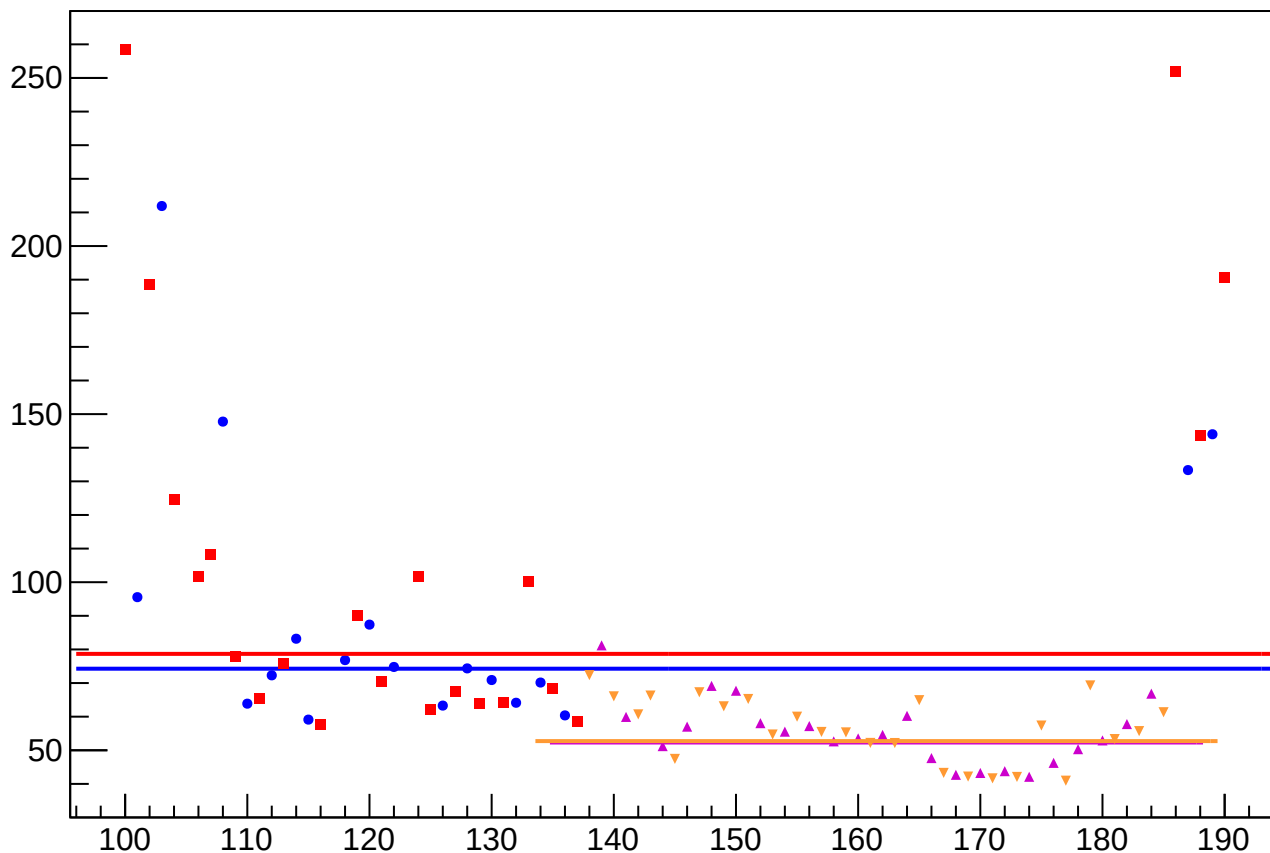
Left In: 19.598 $\pm$ 12.546 χ^2 /NDF: 36.8/22

+ sign -0.669 $\pm$ 11.261 χ^2 /NDF: 67.5/42

All: 5.106 $\pm$ 8.033 χ^2 /NDF: 127.5/87

- sign 11.090 $\pm$ 11.463 χ^2 /NDF: 59.5/44

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 74.268+/-0.020 χ^2/NDF : 1263190.4/17

Left Out: 52.731+/-0.009 χ^2/NDF : 1167223.2/24

Right Out: 78.678+/-0.020 χ^2/NDF : 2076649.2/21

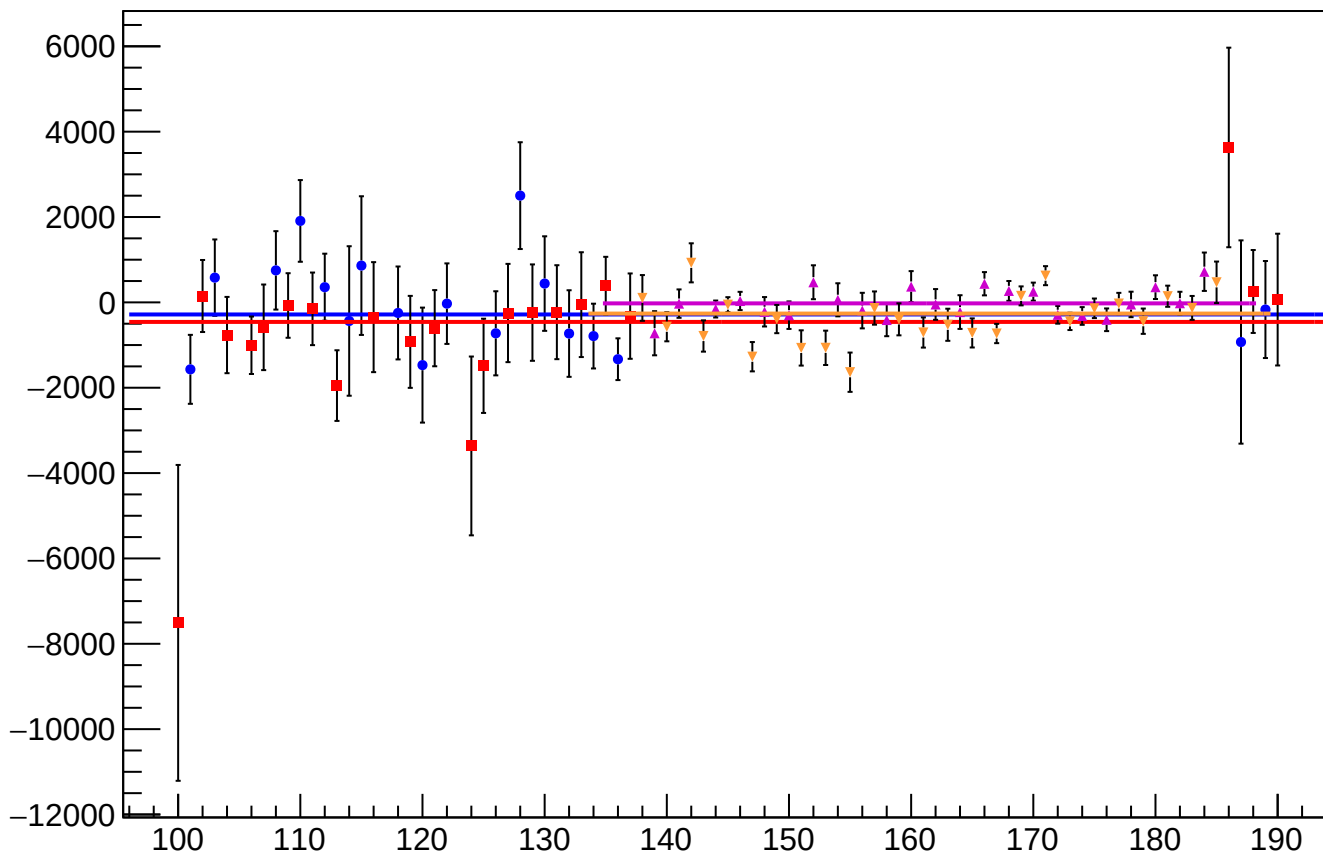
Left In: 52.314+/-0.009 χ^2/NDF : 891856.0/22

+ sign 56.234+/-0.008 χ^2/NDF : 3426696.2/42

All: 56.448+/-0.006 χ^2/NDF : 7855848.5/87

- sign 56.670+/-0.008 χ^2/NDF : 4427681.1/44

asym_sam_37_dd_eigen_dit_correction_mean vs Slug



Right In: -283.303 ± 222.374 $\chi^2/\text{NDF}: 22.9/17$

Left Out: -262.582 ± 58.501 $\chi^2/\text{NDF}: 72.2/24$

Right Out: -457.976 ± 212.459 $\chi^2/\text{NDF}: 17.1/21$

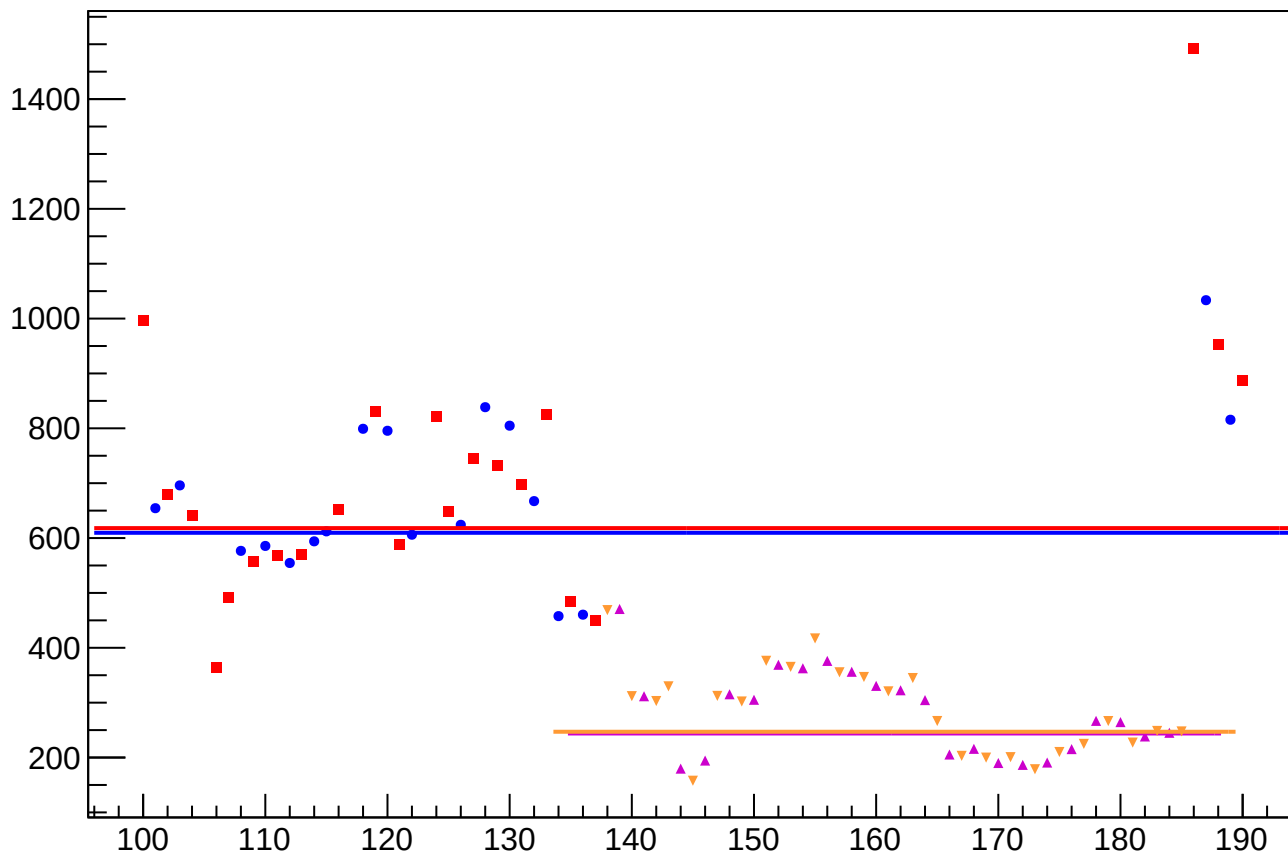
Left In: -23.469 ± 59.397 $\chi^2/\text{NDF}: 24.2/22$

+ sign -263.923 ± 56.576 $\chi^2/\text{NDF}: 95.1/42$

All: -160.597 ± 40.225 $\chi^2/\text{NDF}: 147.0/87$

- sign -54.967 ± 57.203 $\chi^2/\text{NDF}: 45.2/44$

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 609.590 $\pm$ 0.157 χ^2 /NDF: 668556.3/17

Left Out: 246.995 $\pm$ 0.041 χ^2 /NDF: 2925680.1/24

Right Out: 618.112 $\pm$ 0.150 χ^2 /NDF: 1303186.8/21

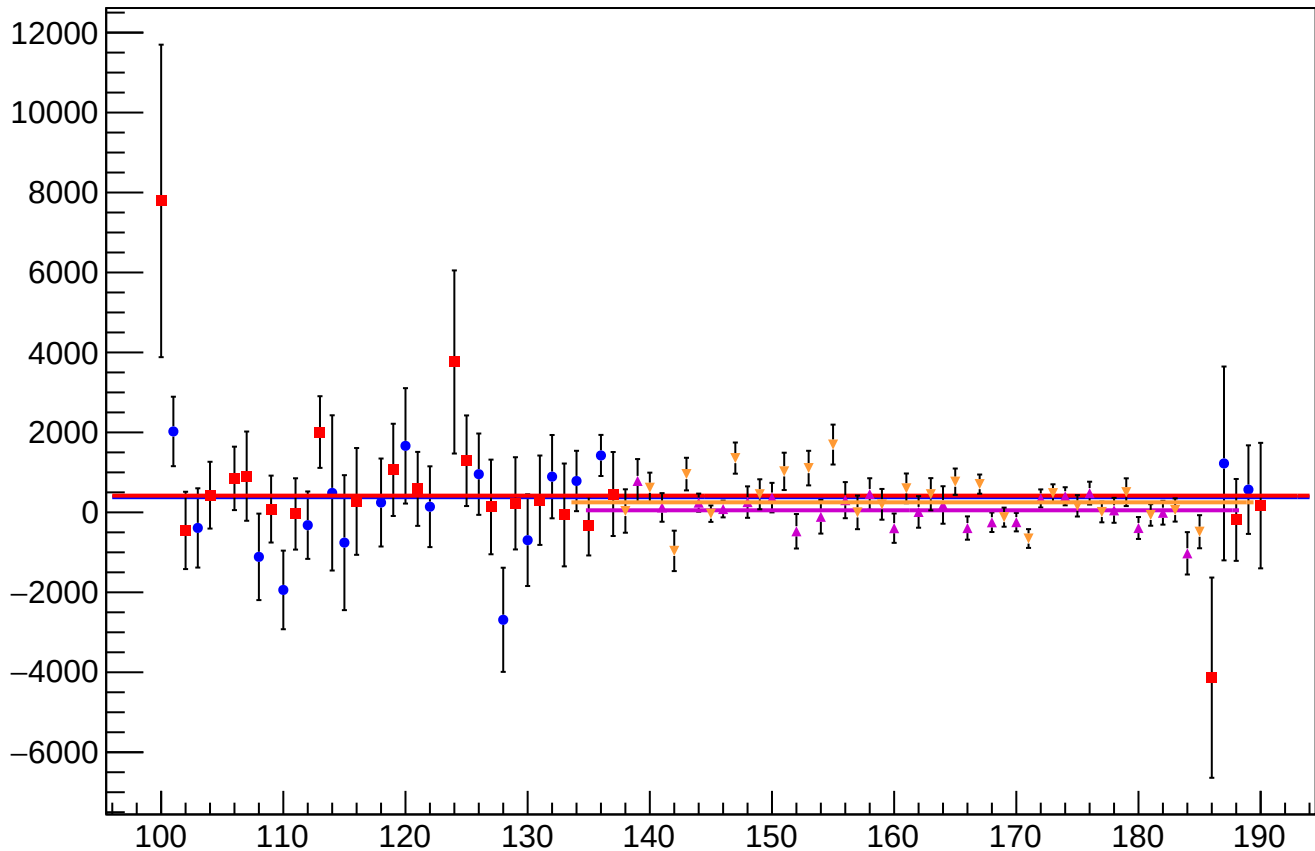
Left In: 243.825 $\pm$ 0.042 χ^2 /NDF: 2490539.0/22

+ sign 270.466 $\pm$ 0.040 χ^2 /NDF: 8567535.4/42

All: 270.709 $\pm$ 0.028 χ^2 /NDF: 18118473.1/87

- sign 270.958 $\pm$ 0.040 χ^2 /NDF: 9550862.9/44

asym_sam_37_dd_mean vs Slug



Right In: 379.585 ± 233.747 χ^2/NDF : 25.2/17

Left Out: 251.109 ± 63.424 χ^2/NDF : 67.5/24

Right Out: 418.288 ± 226.632 χ^2/NDF : 16.5/21

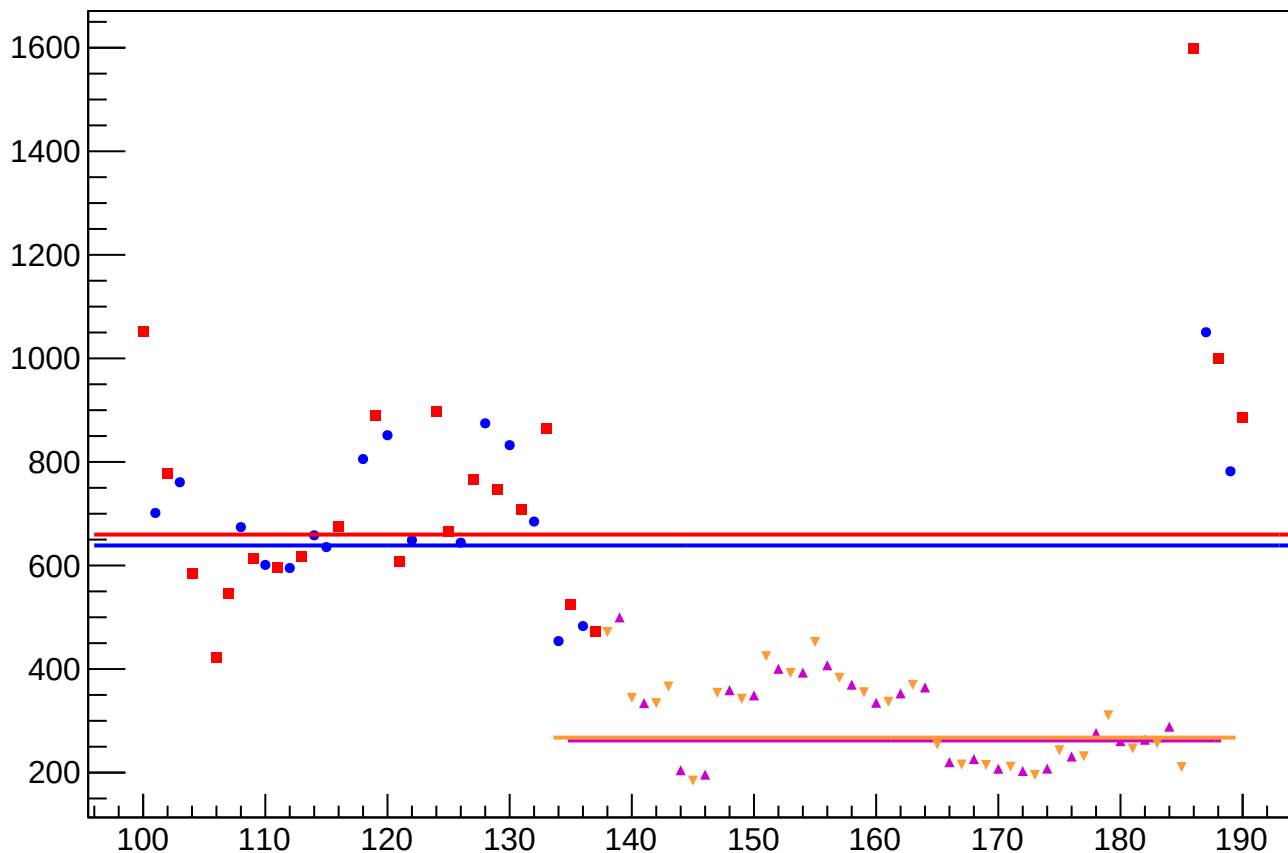
Left In: 51.707 ± 63.843 χ^2/NDF : 26.8/22

+ sign 259.920 ± 61.210 χ^2/NDF : 93.0/42

All: 169.645 ± 43.367 χ^2/NDF : 143.1/87

- sign 78.659 ± 61.451 χ^2/NDF : 45.7/44

asym_sam_37_dd_rms vs Slug



Right In: 638.684 $\pm$ 0.165 χ^2 /NDF: 661995.0/17

Left Out: 267.589 $\pm$ 0.045 χ^2 /NDF: 2801460.2/24

Right Out: 659.763 $\pm$ 0.160 χ^2 /NDF: 1149398.9/21

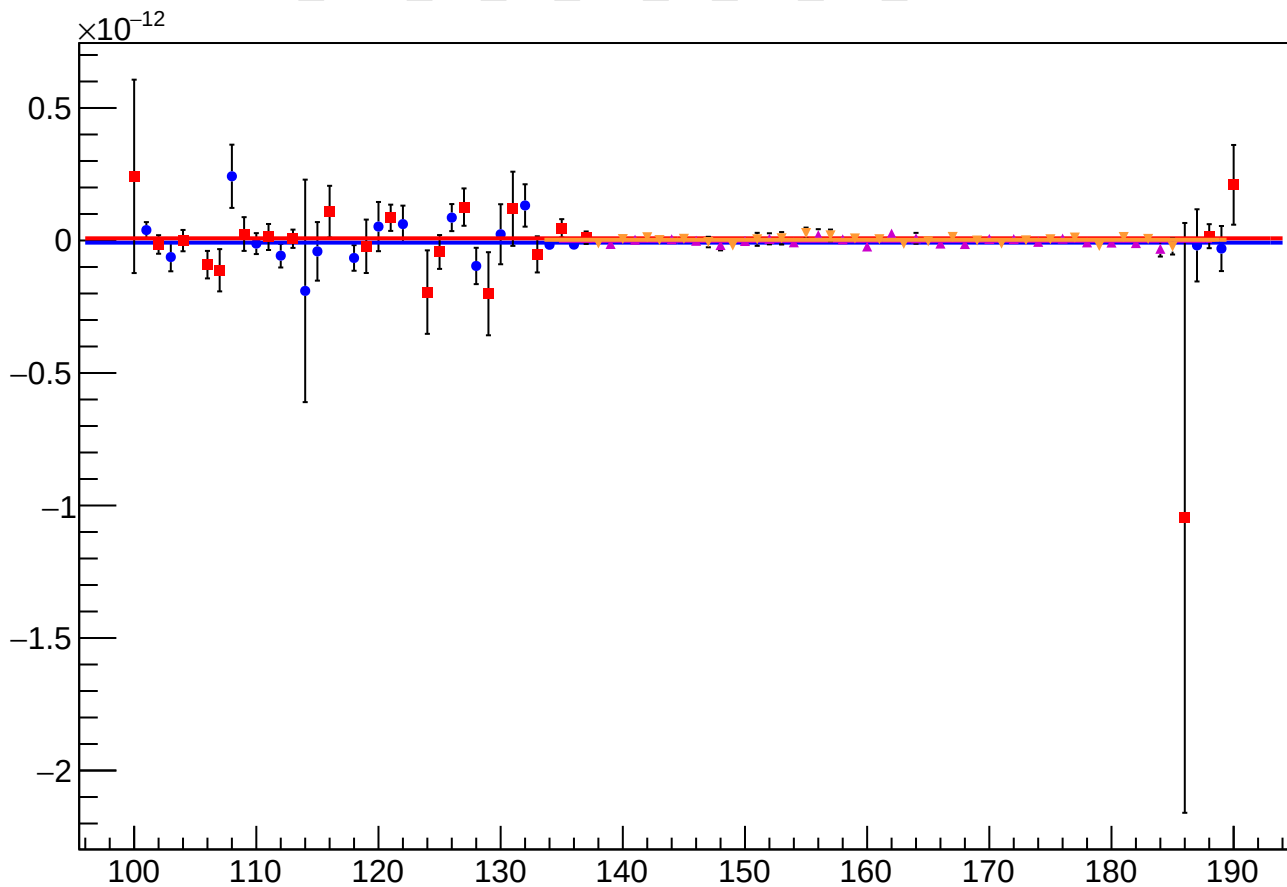
Left In: 262.092 $\pm$ 0.045 χ^2 /NDF: 2537465.8/22

+ sign 293.036 $\pm$ 0.043 χ^2 /NDF: 8158681.3/42

All: 292.187 $\pm$ 0.031 χ^2 /NDF: 17551497.6/87

- sign 291.330 $\pm$ 0.043 χ^2 /NDF: 9392042.3/44

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:15.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.7/21

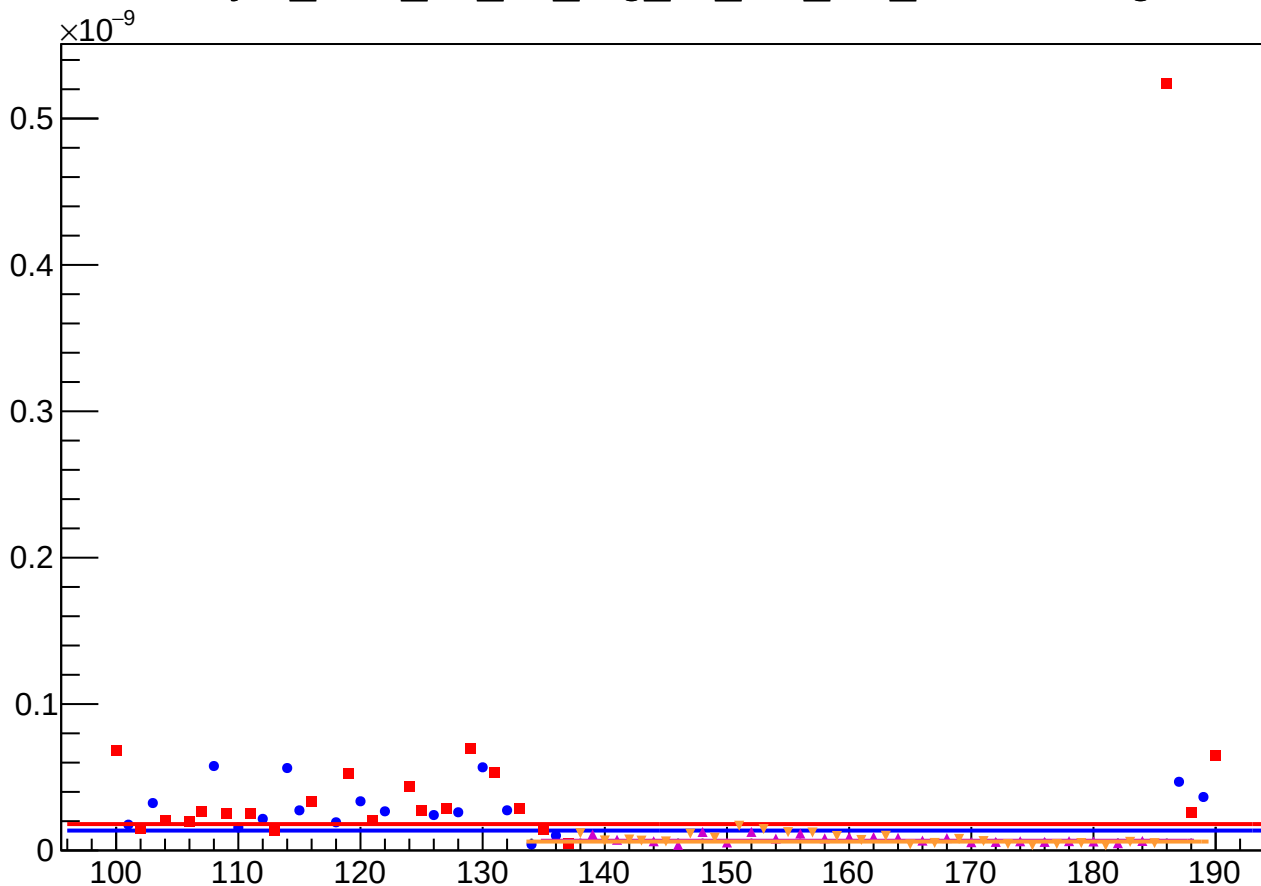
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:12.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 37.5/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 73.7/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 35.7/44

asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2352165.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2413933.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2327264.6/21

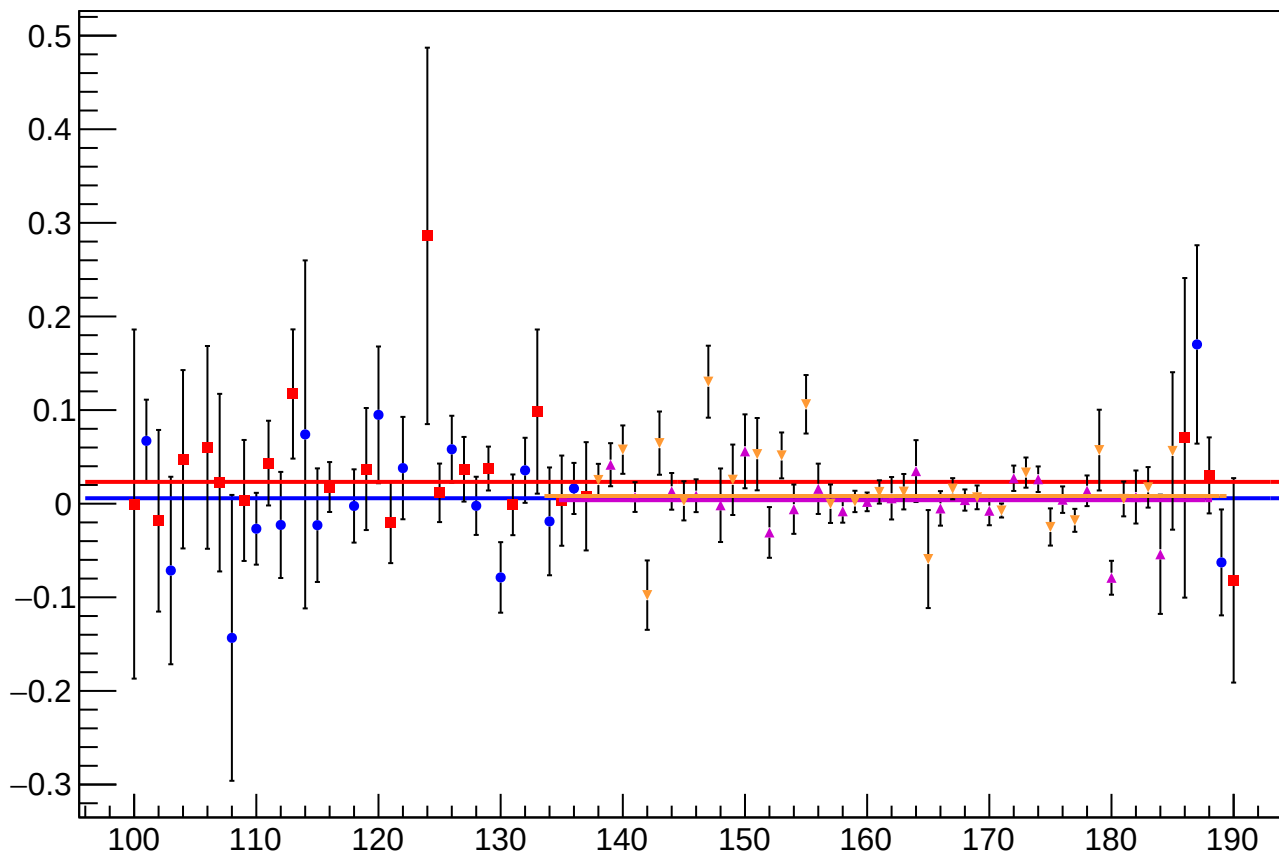
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1176996.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5988567.4/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11538481.5/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5474467.0/44

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 ± 0.011 $\chi^2/\text{NDF}: 18.9/17$

Left Out: 0.008 ± 0.003 $\chi^2/\text{NDF}: 58.8/24$

Right Out: 0.023 ± 0.010 $\chi^2/\text{NDF}: 8.5/21$

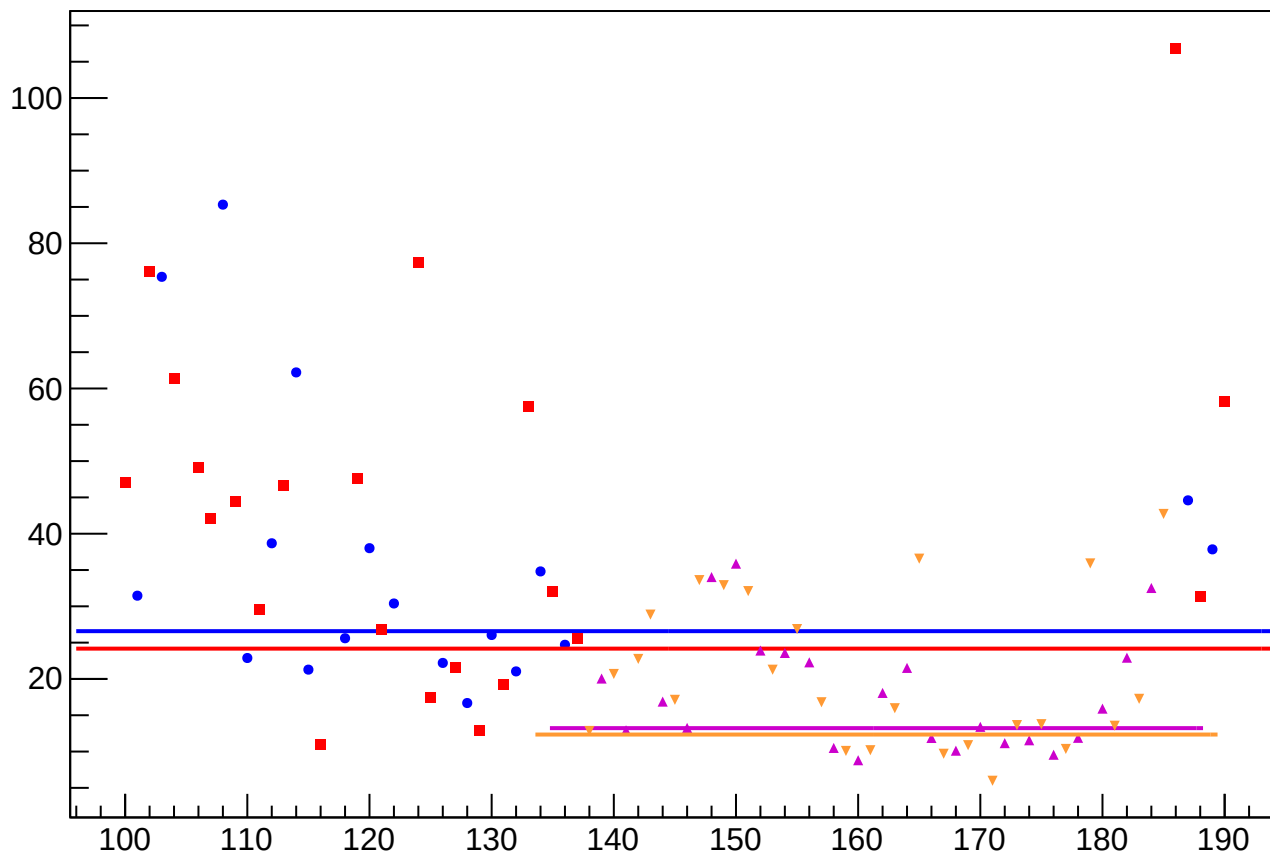
Left In: 0.004 ± 0.004 $\chi^2/\text{NDF}: 37.2/22$

+ sign 0.008 ± 0.003 $\chi^2/\text{NDF}: 77.7/42$

All: 0.007 ± 0.002 $\chi^2/\text{NDF}: 127.0/87$

- sign 0.006 ± 0.003 $\chi^2/\text{NDF}: 49.1/44$

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.580 $\pm$ 0.008 χ^2 /NDF: 1525206.2/17

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743594.0/24

Right Out: 24.174 $\pm$ 0.007 χ^2 /NDF: 4109393.6/21

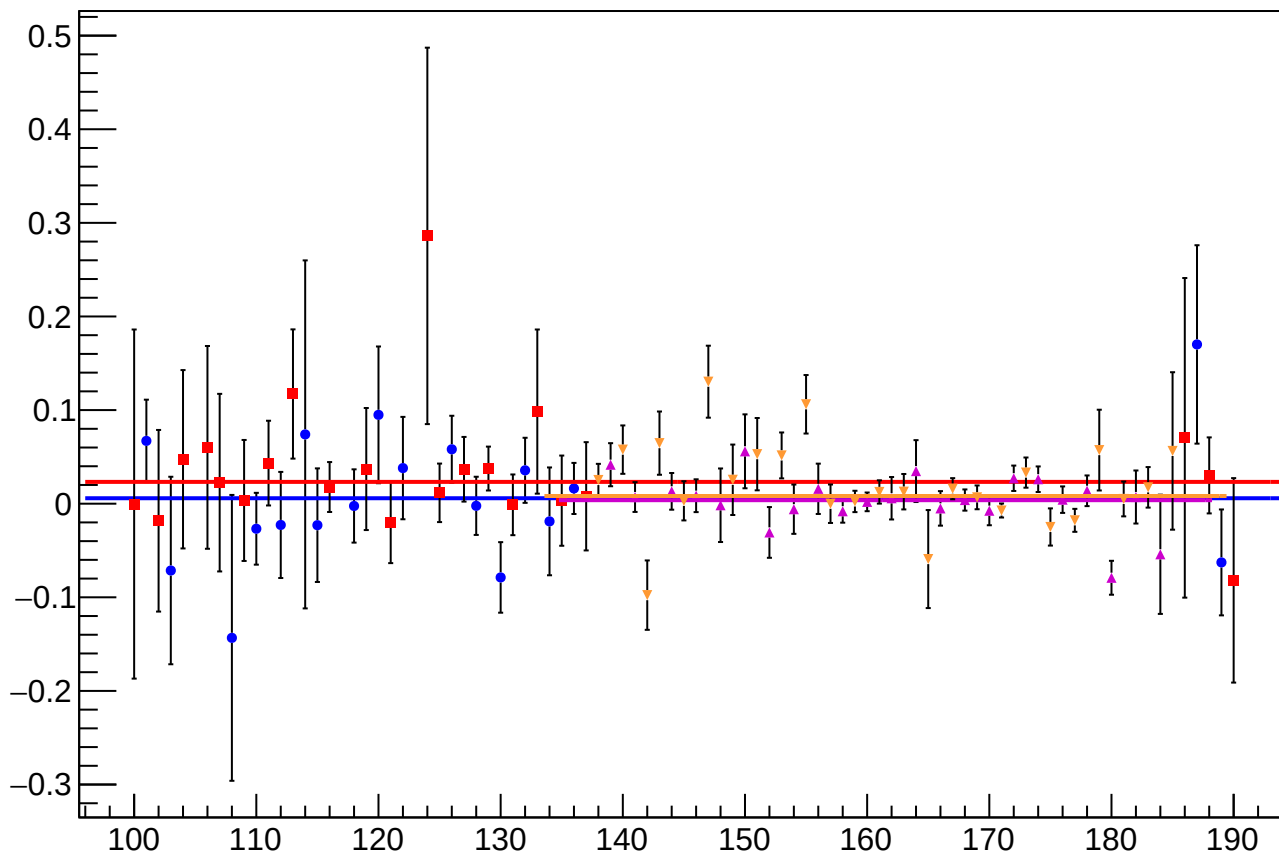
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870352.4/22

+ sign 13.656 $\pm$ 0.002 χ^2 /NDF: 11403686.4/42

All: 14.052 $\pm$ 0.002 χ^2 /NDF: 21522658.2/87

- sign 14.479 $\pm$ 0.002 χ^2 /NDF: 10058925.3/44

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.011 χ^2 /NDF: 18.9/17

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF: 58.8/24

Right Out: 0.023 $\pm$ 0.010 χ^2 /NDF: 8.5/21

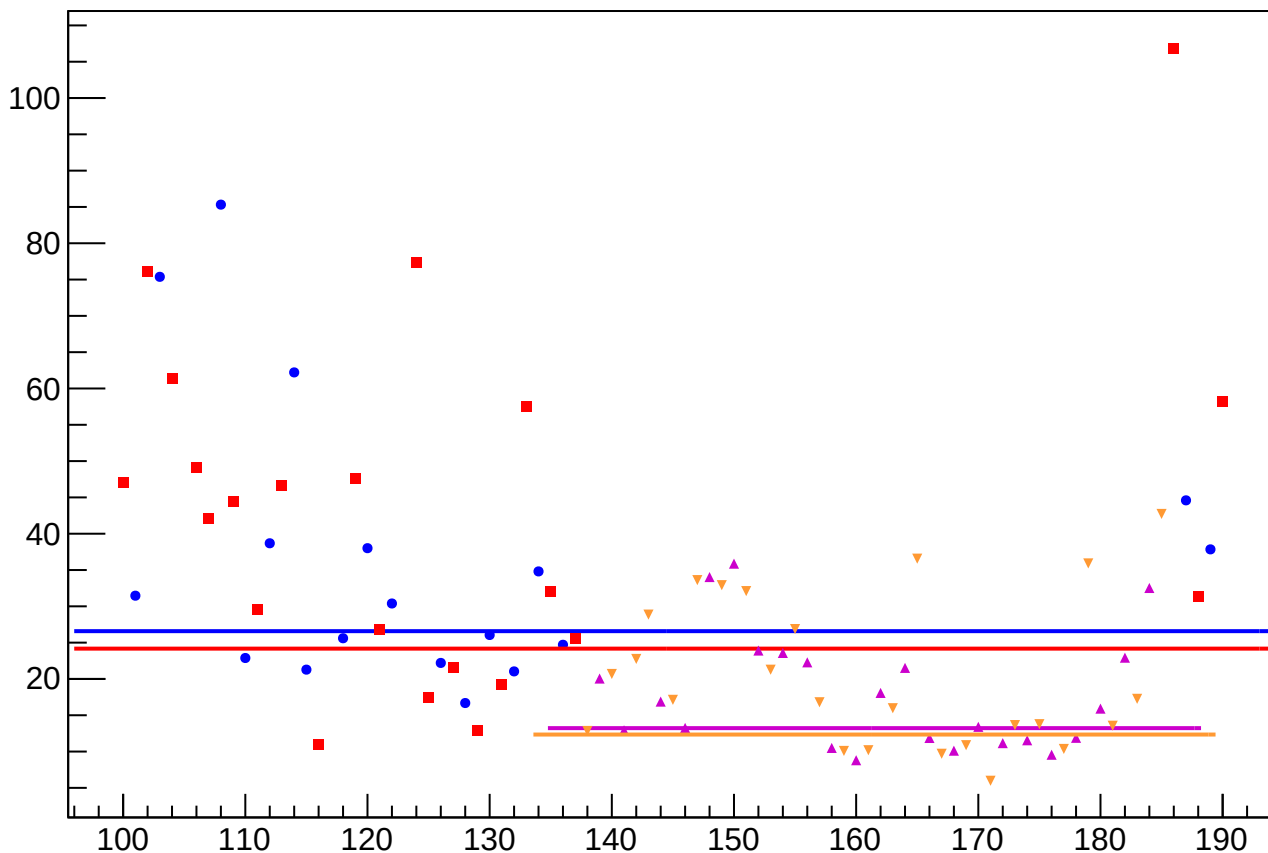
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF: 37.2/22

+ sign 0.008 $\pm$ 0.003 χ^2 /NDF: 77.7/42

All: 0.007 $\pm$ 0.002 χ^2 /NDF: 127.0/87

- sign 0.006 $\pm$ 0.003 χ^2 /NDF: 49.1/44

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.580 $\pm$ 0.008 χ^2 /NDF: 1525206.2/17

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743594.0/24

Right Out: 24.174 $\pm$ 0.007 χ^2 /NDF: 4109393.6/21

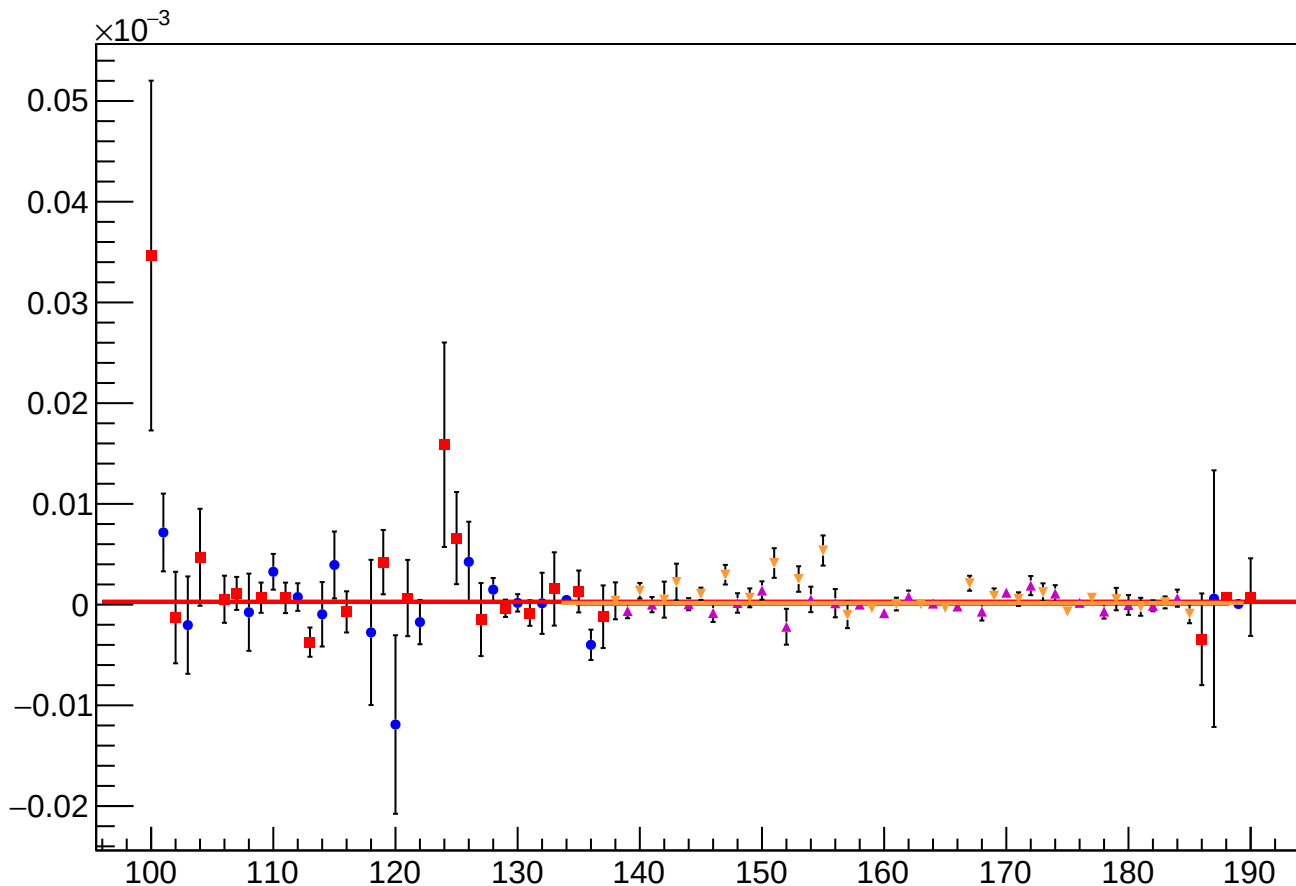
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870352.4/22

+ sign 13.656 $\pm$ 0.002 χ^2 /NDF: 11403686.4/42

All: 14.052 $\pm$ 0.002 χ^2 /NDF: 21522658.2/87

- sign 14.479 $\pm$ 0.002 χ^2 /NDF: 10058925.3/44

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.2/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:61.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.7/21

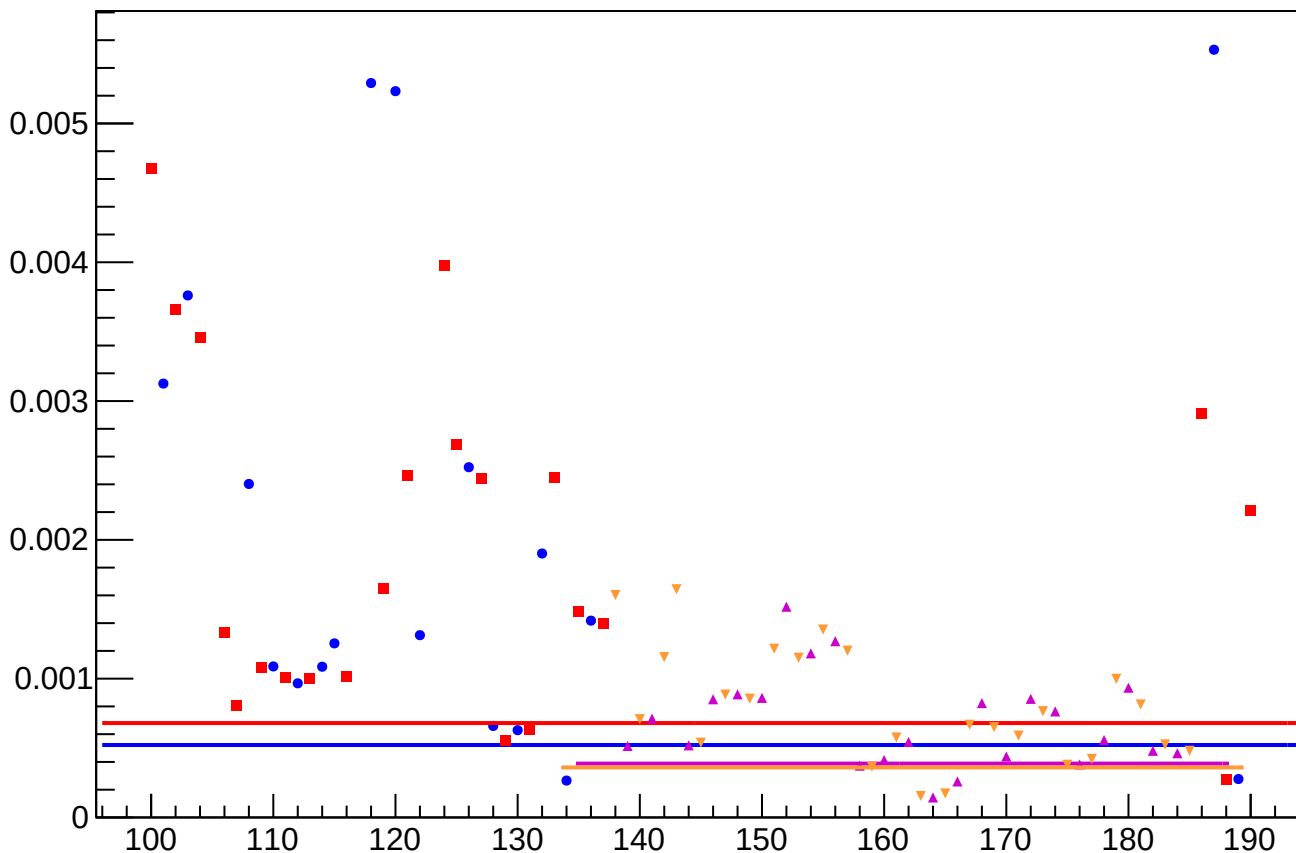
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:24.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 82.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 130.6/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.5/44

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 7678598.4/17

Left Out: 0.000+/-0.000 χ^2/NDF : 14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF : 7142724.0/21

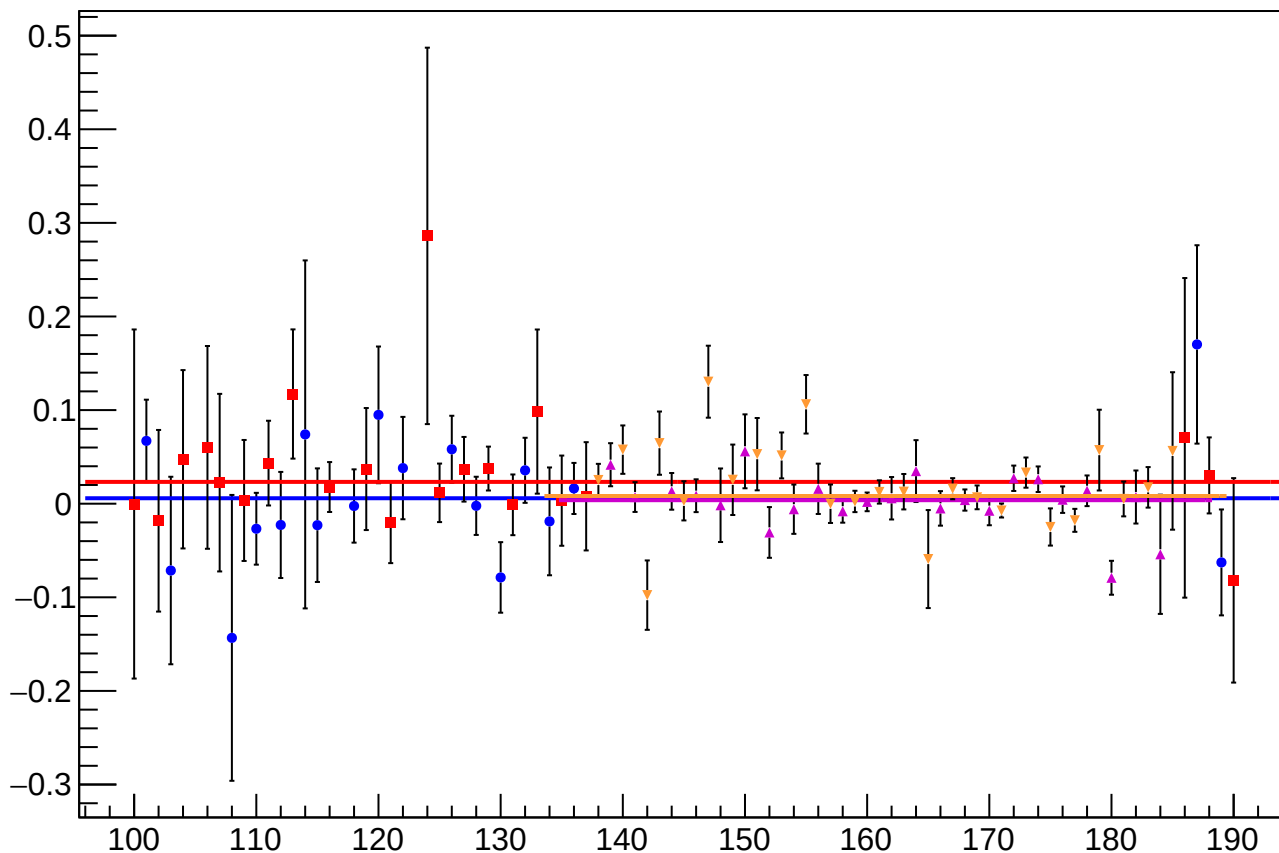
Left In: 0.000+/-0.000 χ^2/NDF : 10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF : 22298780.7/42

All: 0.000+/-0.000 χ^2/NDF : 41517868.6/87

- sign 0.000+/-0.000 χ^2/NDF : 19071419.7/44

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.011 χ^2 /NDF: 18.9/17

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF: 58.8/24

Right Out: 0.023 $\pm$ 0.010 χ^2 /NDF: 8.5/21

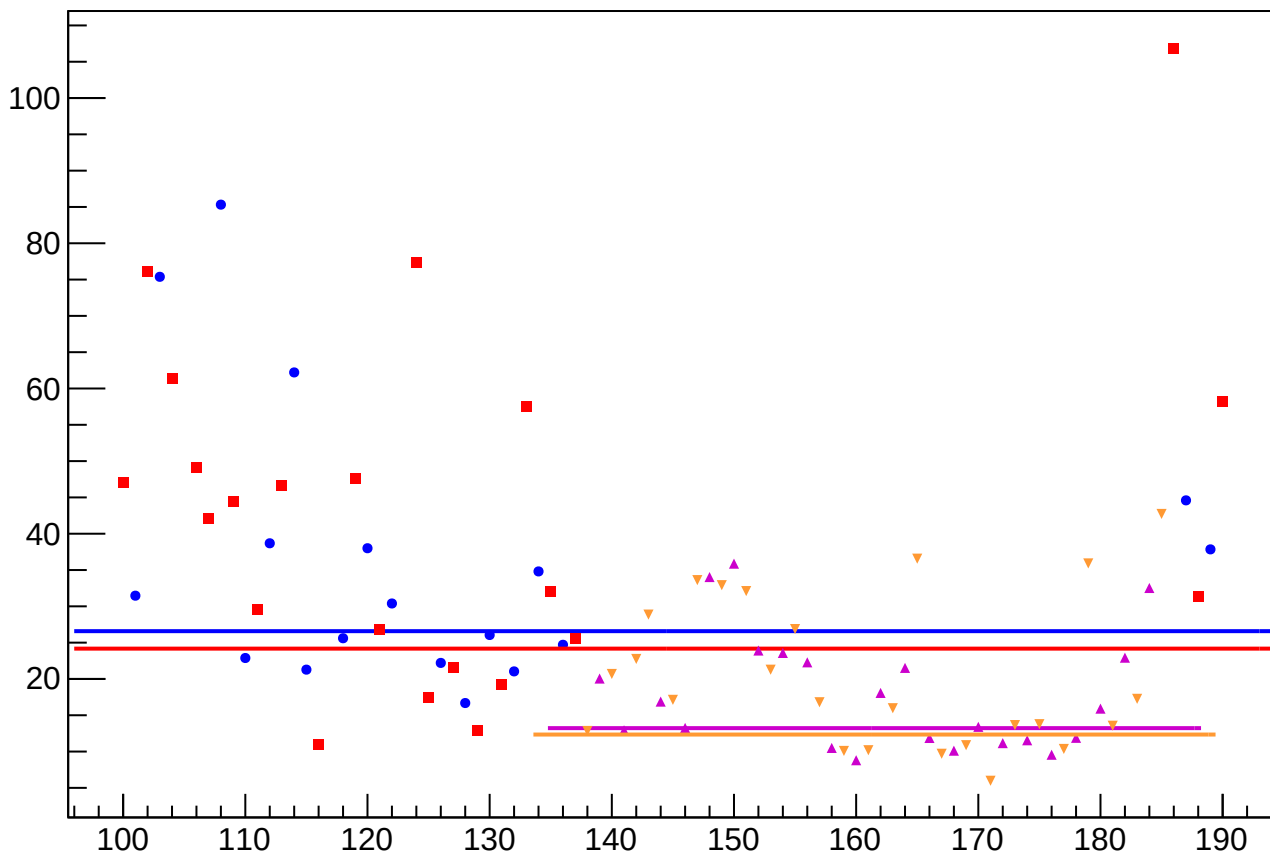
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF: 37.2/22

+ sign 0.008 $\pm$ 0.003 χ^2 /NDF: 77.7/42

All: 0.007 $\pm$ 0.002 χ^2 /NDF: 127.0/87

- sign 0.006 $\pm$ 0.003 χ^2 /NDF: 49.1/44

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.581 $\pm$ 0.008 χ^2 /NDF: 1525148.8/17

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743823.4/24

Right Out: 24.175 $\pm$ 0.007 χ^2 /NDF: 4109185.2/21

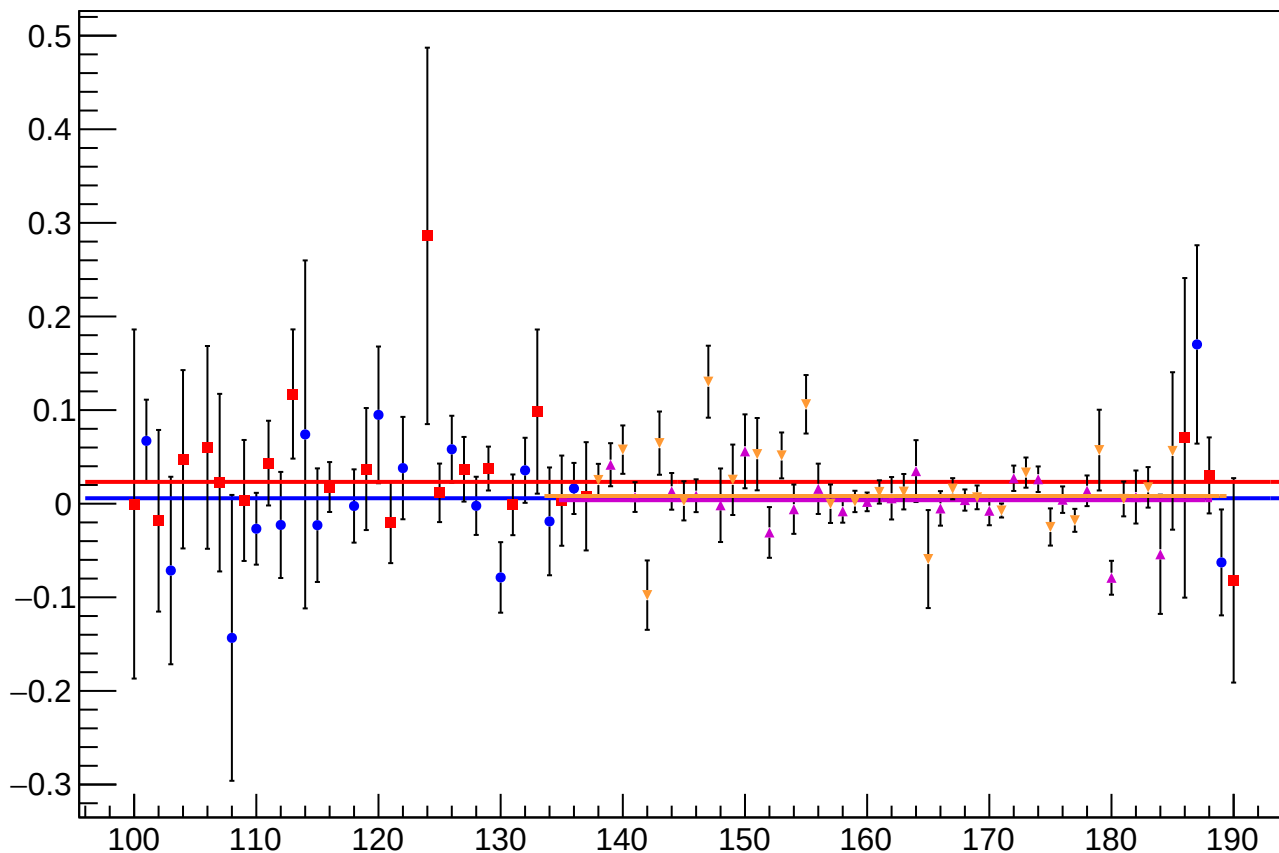
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870507.9/22

+ sign 13.656 $\pm$ 0.002 χ^2 /NDF: 11403929.8/42

All: 14.052 $\pm$ 0.002 χ^2 /NDF: 21522965.3/87

- sign 14.479 $\pm$ 0.002 χ^2 /NDF: 10058994.0/44

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006 $\pm$ 0.011 χ^2 /NDF: 18.9/17

Left Out: 0.008 $\pm$ 0.003 χ^2 /NDF: 58.8/24

Right Out: 0.023 $\pm$ 0.010 χ^2 /NDF: 8.5/21

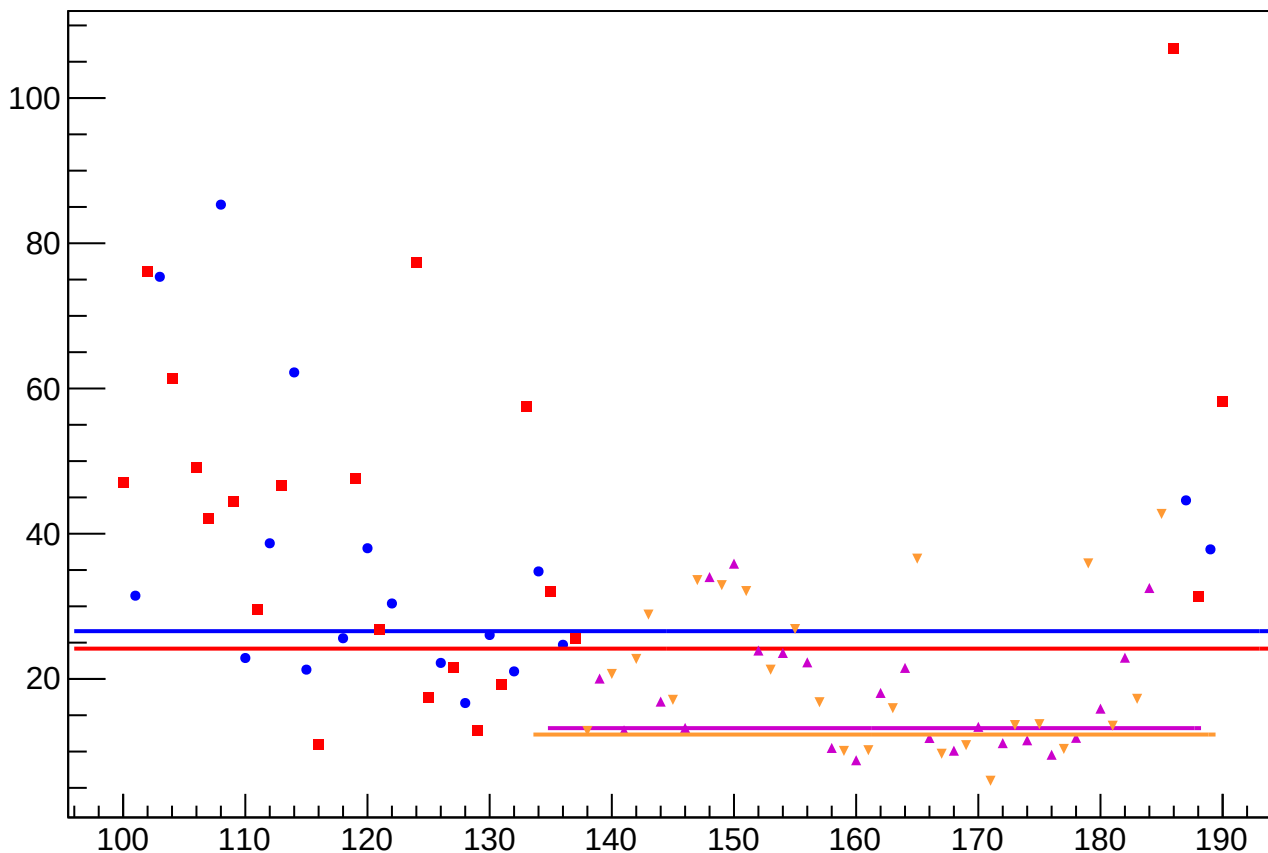
Left In: 0.004 $\pm$ 0.004 χ^2 /NDF: 37.2/22

+ sign 0.008 $\pm$ 0.003 χ^2 /NDF: 77.7/42

All: 0.007 $\pm$ 0.002 χ^2 /NDF: 127.0/87

- sign 0.006 $\pm$ 0.003 χ^2 /NDF: 49.1/44

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.581 $\pm$ 0.008 χ^2 /NDF: 1525148.8/17

Left Out: 12.343 $\pm$ 0.002 χ^2 /NDF: 6743823.4/24

Right Out: 24.175 $\pm$ 0.007 χ^2 /NDF: 4109185.2/21

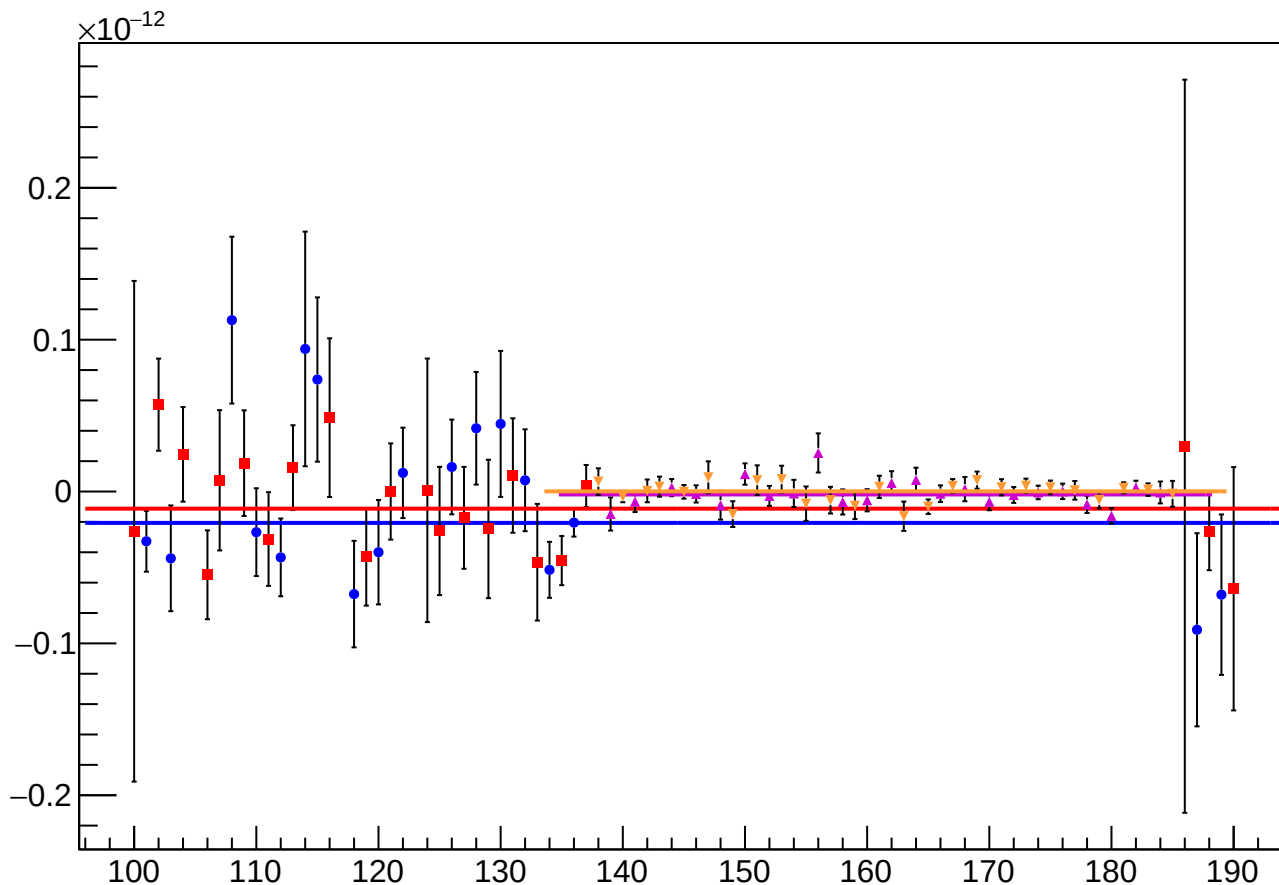
Left In: 13.225 $\pm$ 0.003 χ^2 /NDF: 3870507.9/22

+ sign 13.656 $\pm$ 0.002 χ^2 /NDF: 11403929.8/42

All: 14.052 $\pm$ 0.002 χ^2 /NDF: 21522965.3/87

- sign 14.479 $\pm$ 0.002 χ^2 /NDF: 10058994.0/44

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.5/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.2/21

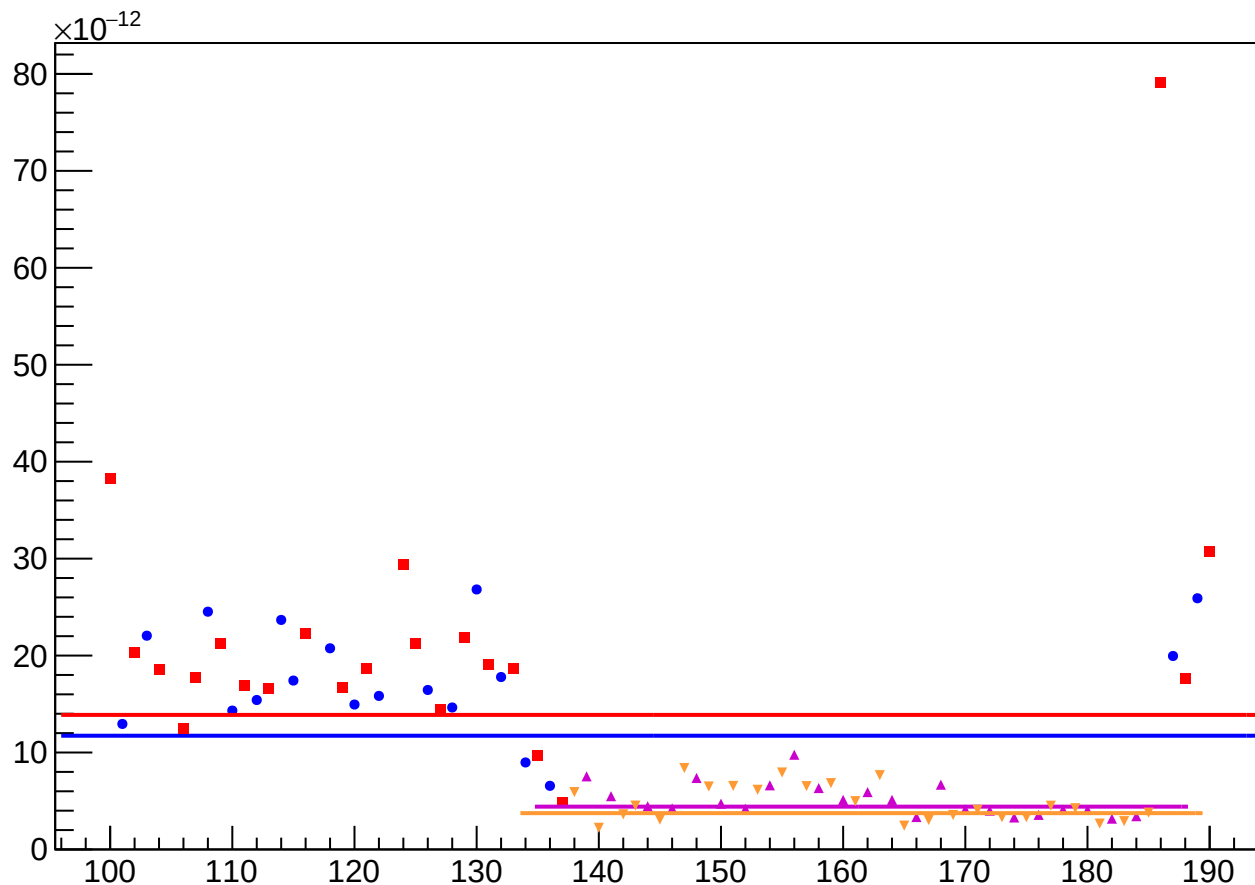
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:25.4/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 60.9/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 110.4/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 48.5/44

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1779853.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1959361.4/21

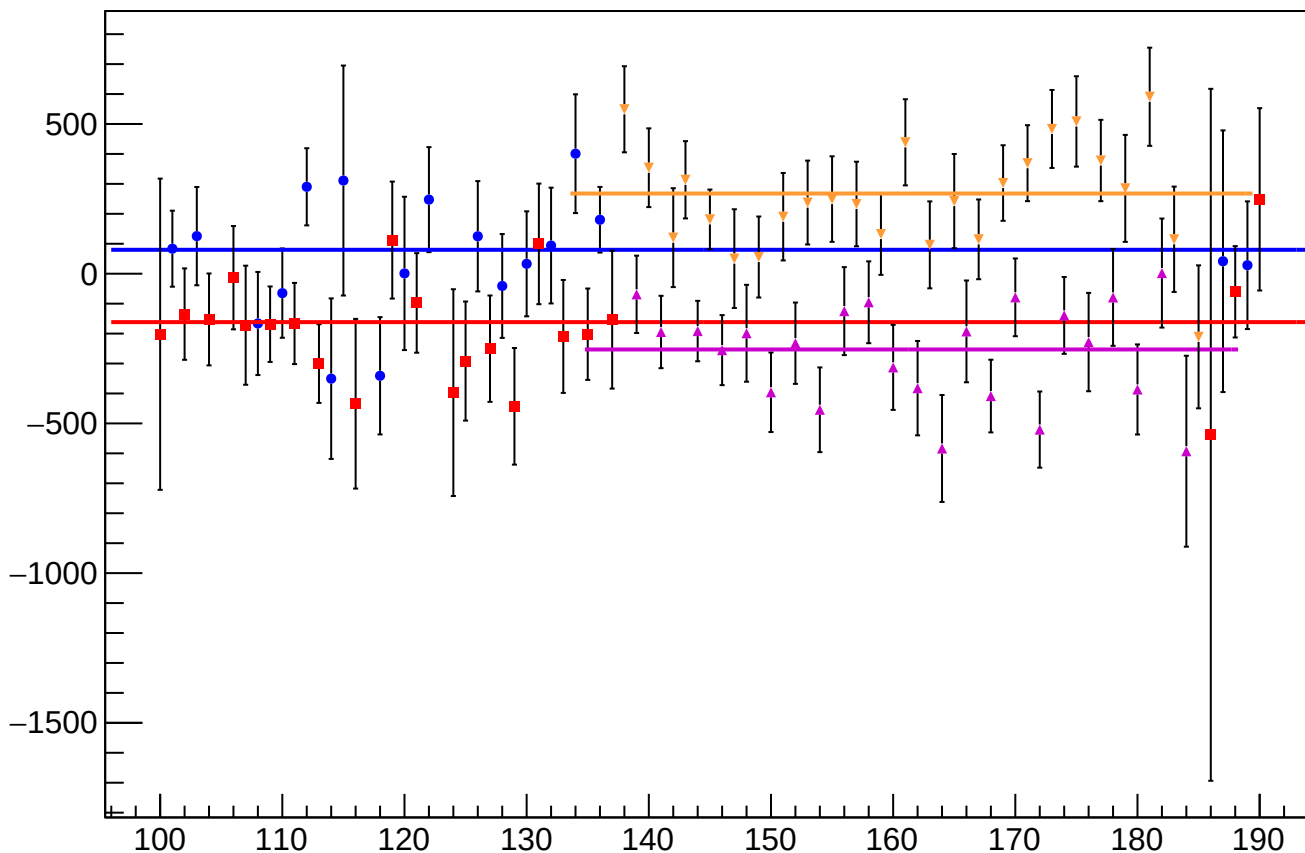
Left In: 0.000+/-0.000 χ^2/NDF : 1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 8316822.0/42

All: 0.000+/-0.000 χ^2/NDF : 16430369.5/87

- sign 0.000+/-0.000 χ^2/NDF : 7734084.9/44

reg_asym_sam_48_dd_mean vs Slug



Right In: 79.832 ± 41.150 $\chi^2/\text{NDF}: 18.4/17$

Left Out: 267.782 ± 28.407 $\chi^2/\text{NDF}: 31.0/24$

Right Out: -161.681 ± 38.954 $\chi^2/\text{NDF}: 12.3/21$

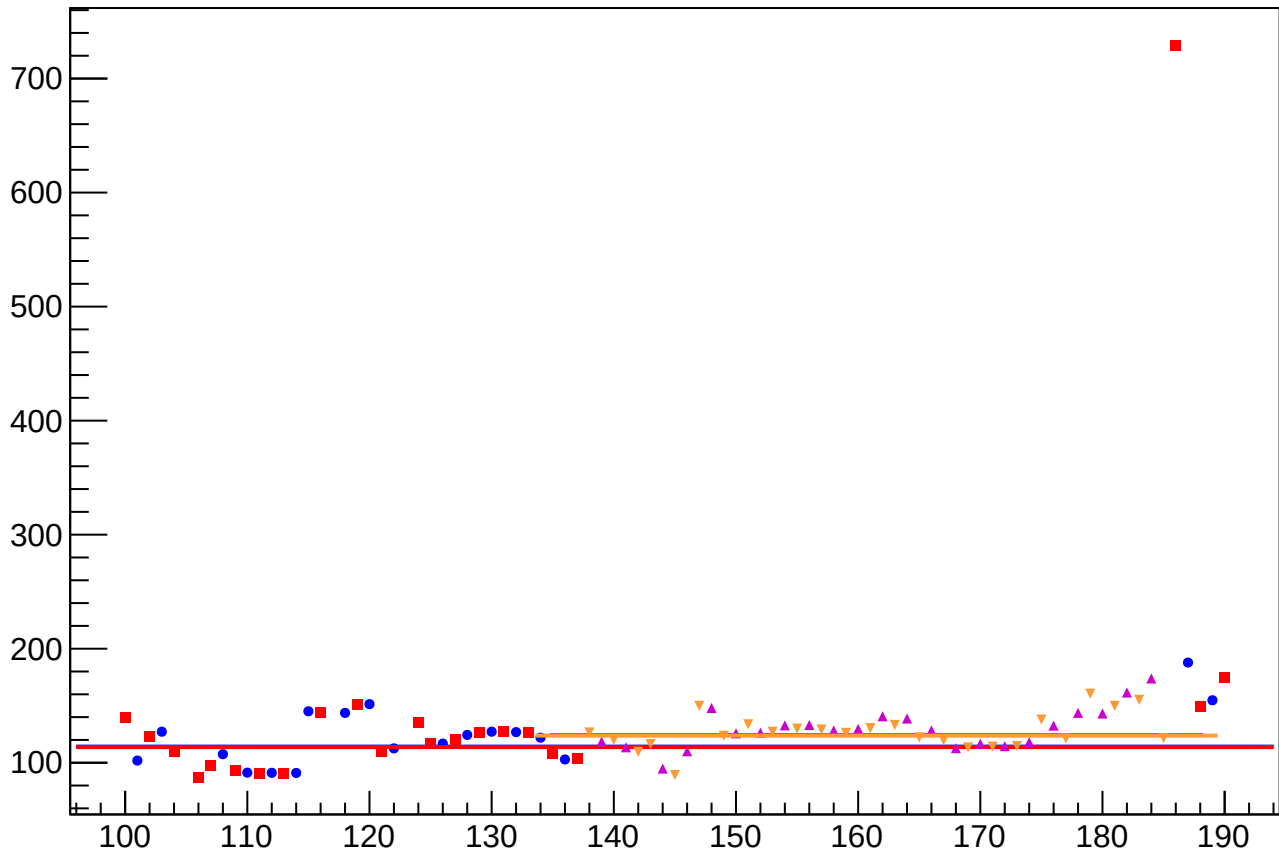
Left In: -253.048 ± 29.313 $\chi^2/\text{NDF}: 26.2/22$

+ sign 207.121 ± 23.378 $\chi^2/\text{NDF}: 63.6/42$

All: -6.043 ± 16.546 $\chi^2/\text{NDF}: 272.2/87$

- sign -220.016 ± 23.422 $\chi^2/\text{NDF}: 42.0/44$

reg_asym_sam_48_dd_rms vs Slug



Right In: 114.135+/-0.029 χ^2/NDF : 441431.3/17

Left Out: 123.807+/-0.020 χ^2/NDF : 598444.2/24

Right Out: 113.718+/-0.028 χ^2/NDF : 1146149.5/21

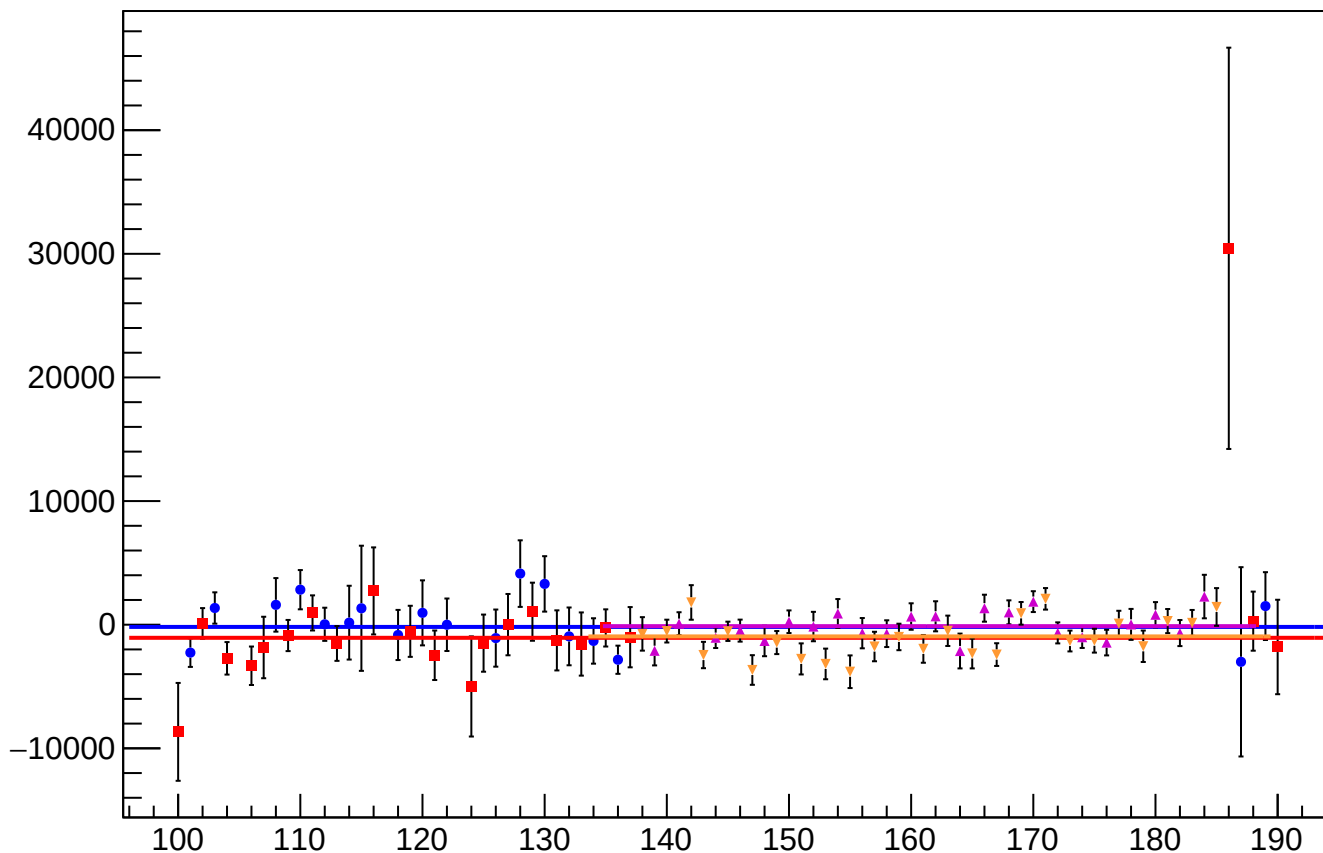
Left In: 124.259+/-0.021 χ^2/NDF : 557214.9/22

+ sign 120.685+/-0.017 χ^2/NDF : 1114716.7/42

All: 120.567+/-0.012 χ^2/NDF : 2911677.0/87

- sign 120.448+/-0.017 χ^2/NDF : 1796857.3/44

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -179.564 $\pm$ 437.544 χ^2 /NDF: 21.0/17

Left Out: -947.720 $\pm$ 211.794 χ^2 /NDF: 50.3/24

Right Out: -1060.198 $\pm$ 413.973 χ^2 /NDF: 18.7/21

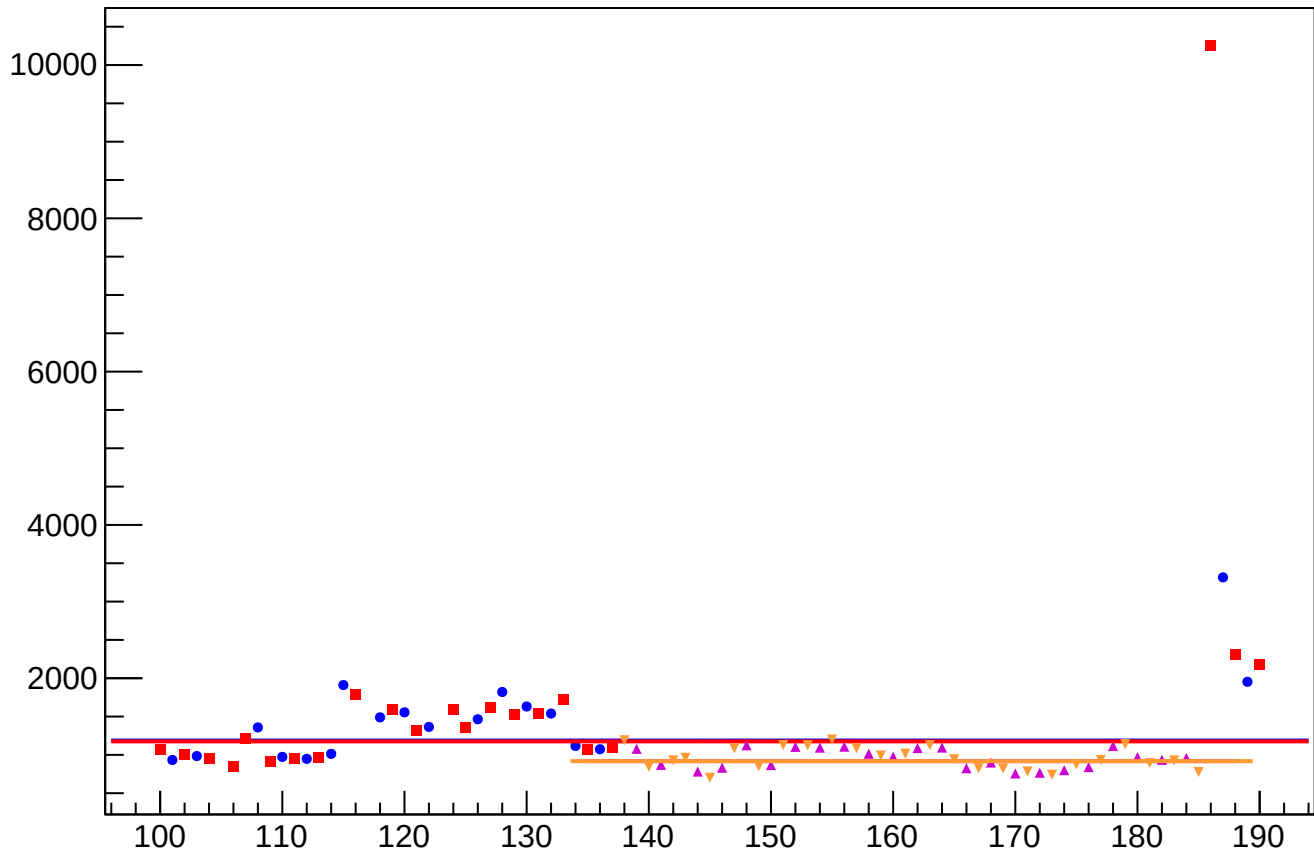
Left In: -118.433 $\pm$ 217.165 χ^2 /NDF: 24.4/22

+ sign -801.903 $\pm$ 190.635 χ^2 /NDF: 73.7/42

All: -563.888 $\pm$ 135.388 χ^2 /NDF: 124.0/87

- sign -321.670 $\pm$ 192.310 χ^2 /NDF: 47.1/44

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1186.806 $\pm$ 0.309 χ^2 /NDF: 1002076.5/17

Left Out: 918.501 $\pm$ 0.150 χ^2 /NDF: 887820.0/24

Right Out: 1175.810 $\pm$ 0.293 χ^2 /NDF: 2030176.8/21

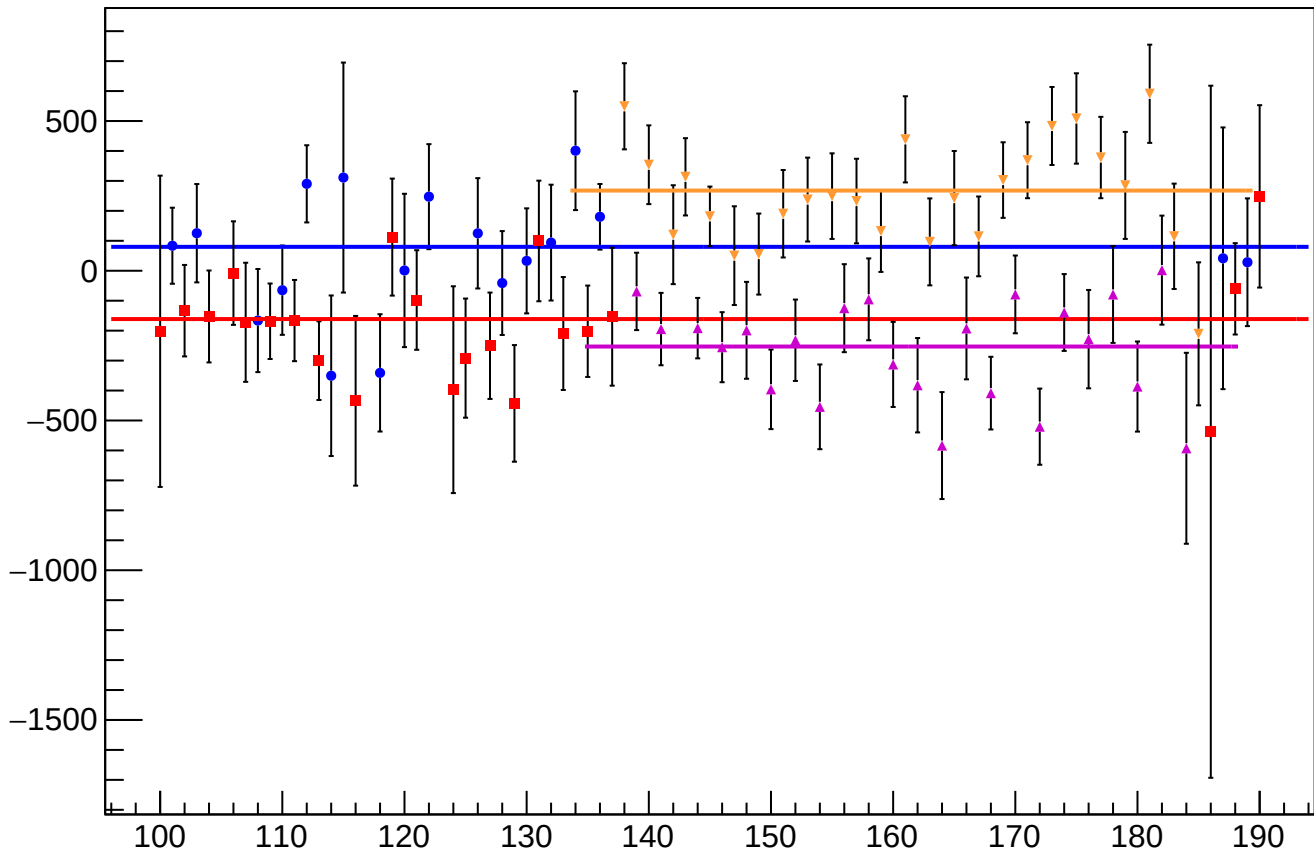
Left In: 918.214 $\pm$ 0.154 χ^2 /NDF: 666262.3/22

+ sign 969.433 $\pm$ 0.135 χ^2 /NDF: 2499182.6/42

All: 971.600 $\pm$ 0.096 χ^2 /NDF: 5803423.5/87

- sign 973.805 $\pm$ 0.136 χ^2 /NDF: 3303719.6/44

cor_asym_sam_48_dd_mean vs Slug



Right In: 79.822 $\pm$ 41.150 χ^2/NDF : 18.4/17

Left Out: 267.791 $\pm$ 28.407 χ^2/NDF :31.0/24

Right Out: -161.315 $\pm$ 38.959 χ^2/NDF : 12.4/21

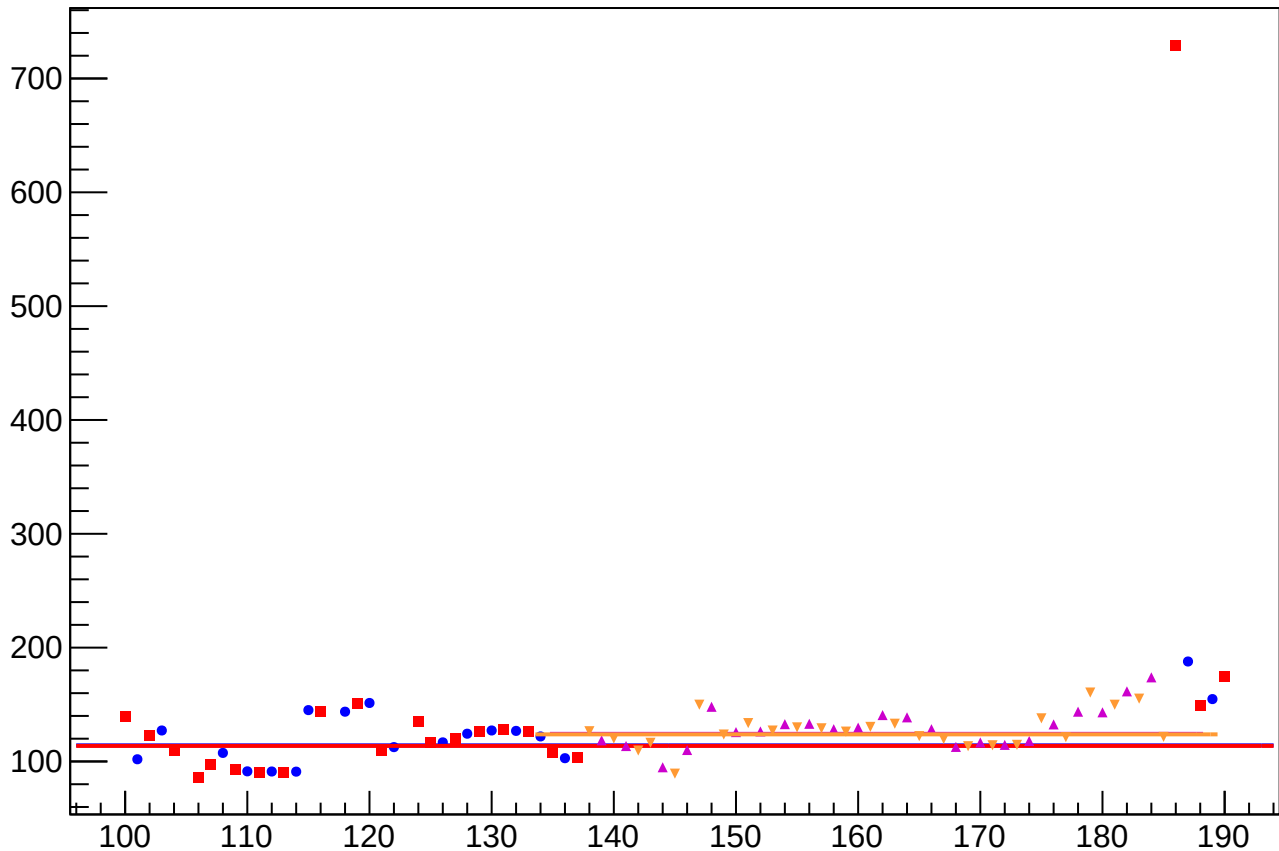
Left In: -253.051 $\pm$ 29.313 χ^2/NDF :26.2/22

+ sign 207.124 $\pm$ 23.378 χ^2/NDF : 63.6/42

All: -5.970 $\pm$ 16.547 χ^2/NDF : 272.2/87

- sign -219.890 $\pm$ 23.423 χ^2/NDF : 42.1/44

cor_asym_sam_48_dd_rms vs Slug



Right In: 114.135+/-0.029 χ^2/NDF : 441432.3/17

Left Out: 123.807+/-0.020 χ^2/NDF : 598444.2/24

Right Out: 113.668+/-0.028 χ^2/NDF : 1150229.3/21

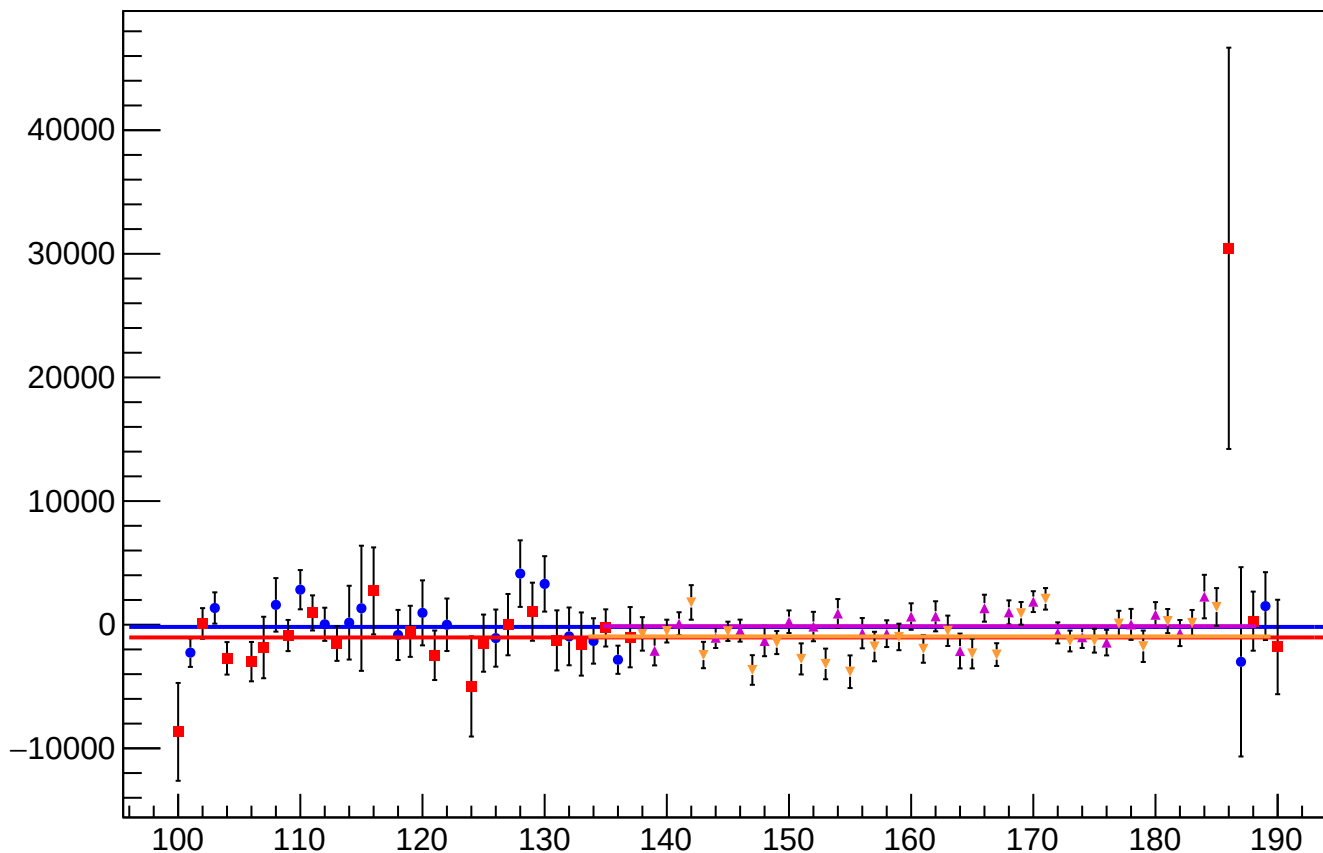
Left In: 124.259+/-0.021 χ^2/NDF : 557214.9/22

+ sign 120.685+/-0.017 χ^2/NDF : 1114717.3/42

All: 120.558+/-0.012 χ^2/NDF : 2916654.3/87

- sign 120.430+/-0.017 χ^2/NDF : 1801818.3/44

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -179.650 ± 437.547 χ^2/NDF : 21.0/17

Left Out: -947.709 ± 211.794 χ^2/NDF : 50.3/24

Right Out: -1030.566 ± 414.662 χ^2/NDF : 18.0/21

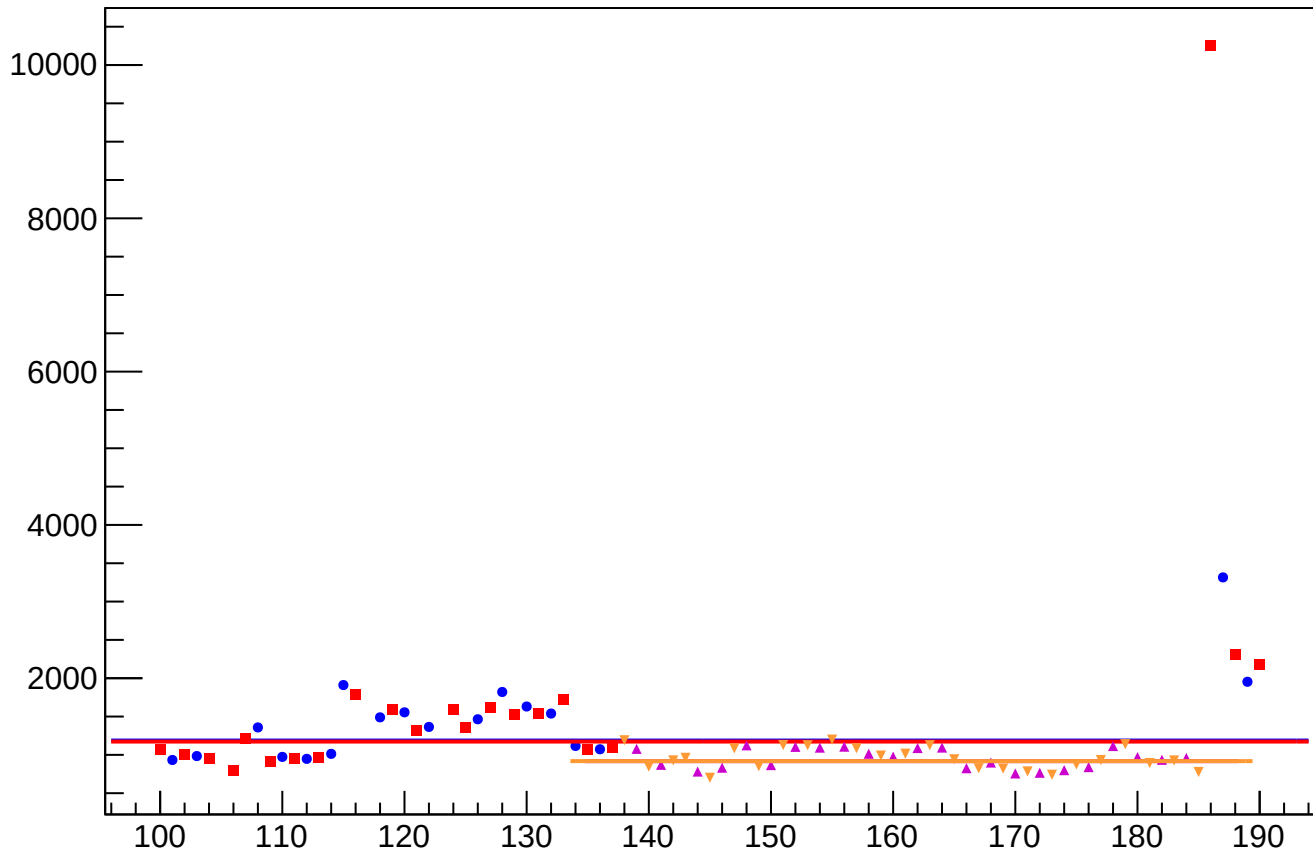
Left In: -118.435 ± 217.165 χ^2/NDF : 24.4/22

+ sign -801.912 ± 190.635 χ^2/NDF : 73.7/42

All: -560.557 ± 135.412 χ^2/NDF : 123.2/87

- sign -314.765 ± 192.379 χ^2/NDF : 46.2/44

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1186.816 $\pm$ 0.309 χ^2 /NDF: 1002040.1/17

Left Out: 918.501 $\pm$ 0.150 χ^2 /NDF: 887819.5/24

Right Out: 1173.505 $\pm$ 0.293 χ^2 /NDF: 2054083.9/21

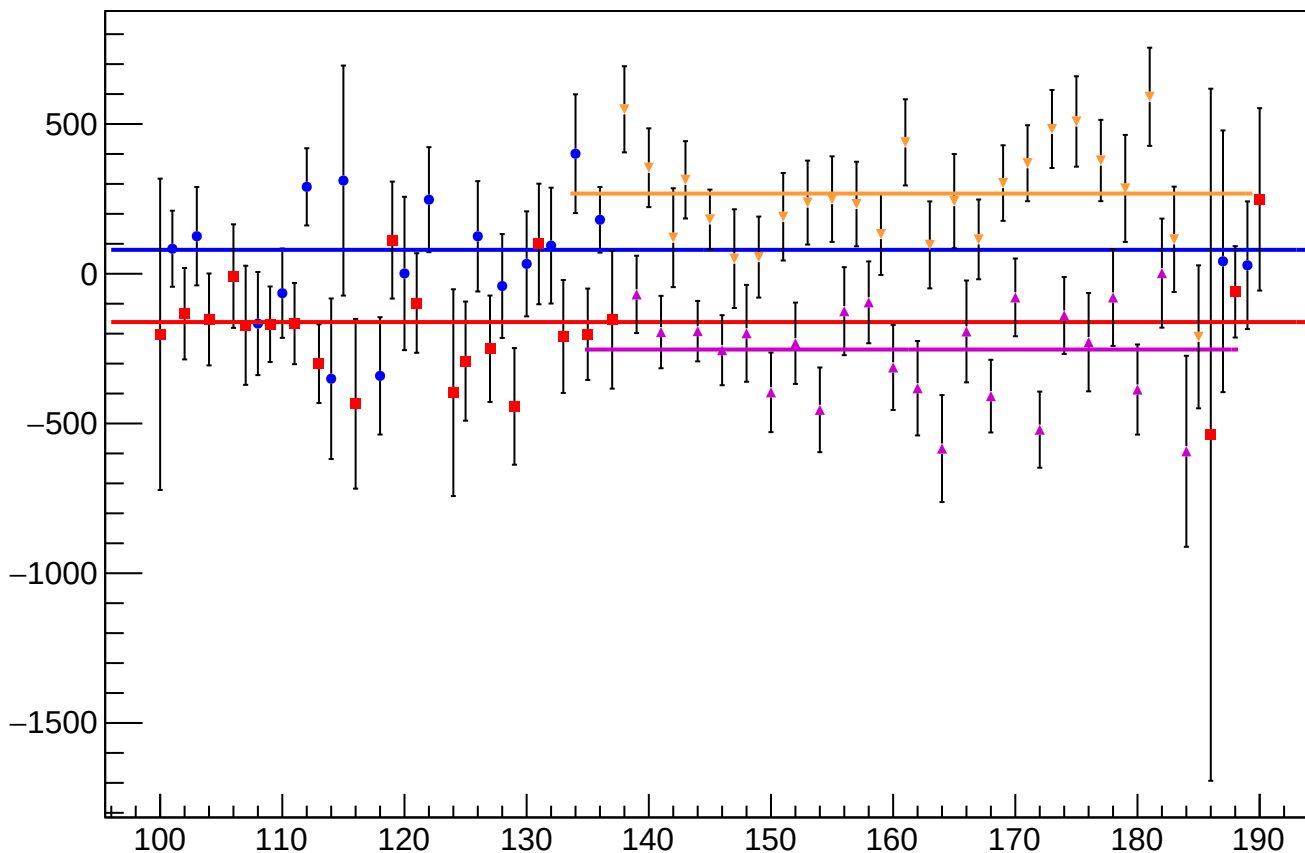
Left In: 918.214 $\pm$ 0.154 χ^2 /NDF: 666263.4/22

+ sign 969.434 $\pm$ 0.135 χ^2 /NDF: 2499182.9/42

All: 971.282 $\pm$ 0.096 χ^2 /NDF: 5814812.6/87

- sign 973.164 $\pm$ 0.136 χ^2 /NDF: 3315250.6/44

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 79.822 ± 41.150 χ^2/NDF : 18.4/17

Left Out: 267.791 ± 28.407 χ^2/NDF : 31.0/24

Right Out: -161.315 ± 38.959 χ^2/NDF : 12.4/21

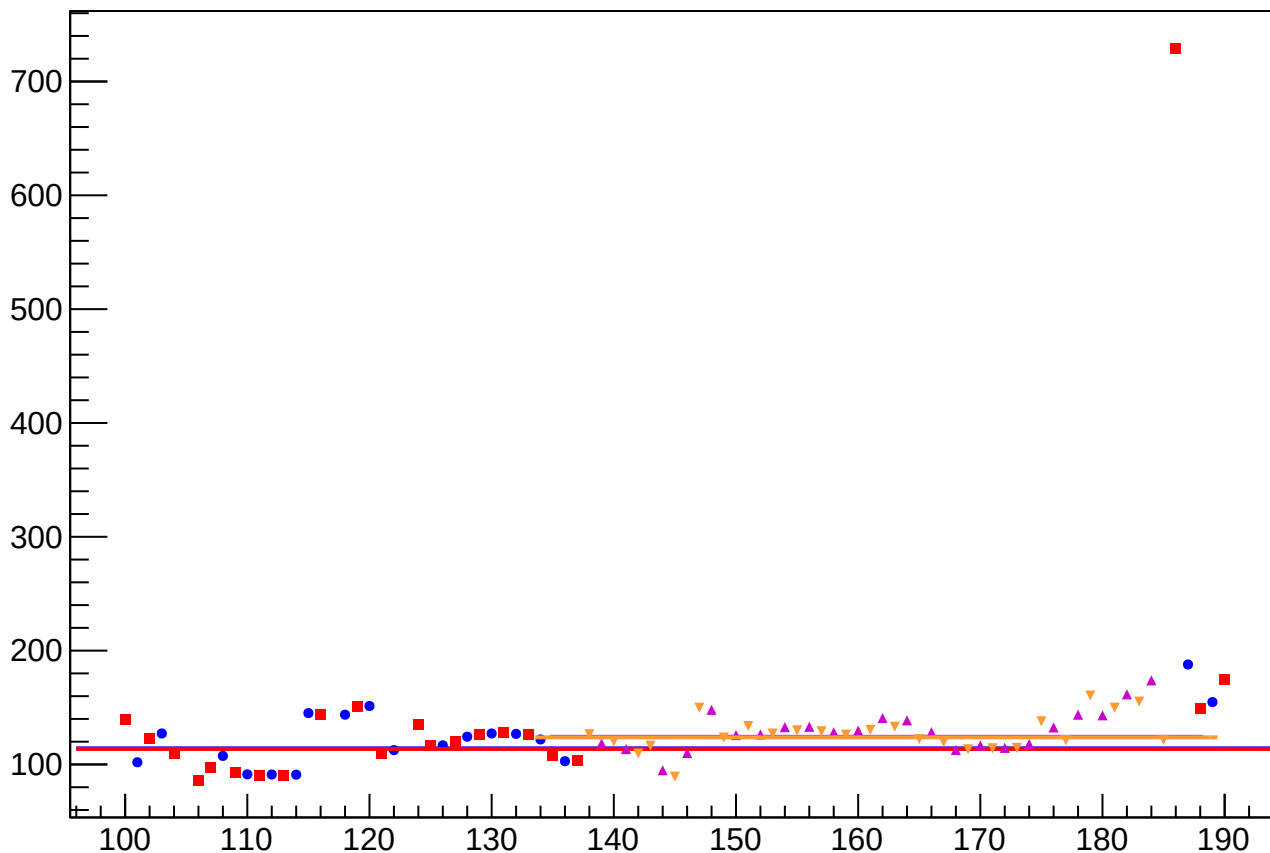
Left In: -253.051 ± 29.313 χ^2/NDF : 26.2/22

+ sign 207.124 ± 23.378 χ^2/NDF : 63.6/42

All: -5.970 ± 16.547 χ^2/NDF : 272.2/87

- sign -219.890 ± 23.423 χ^2/NDF : 42.1/44

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 114.135 $\pm$ 0.029 χ^2 /NDF: 441432.3/17

Left Out: 123.807+/-0.020 χ^2/NDF :598444.2/24

Right Out: 113.668 ± 0.028 χ^2/NDF : 1150229.3/21

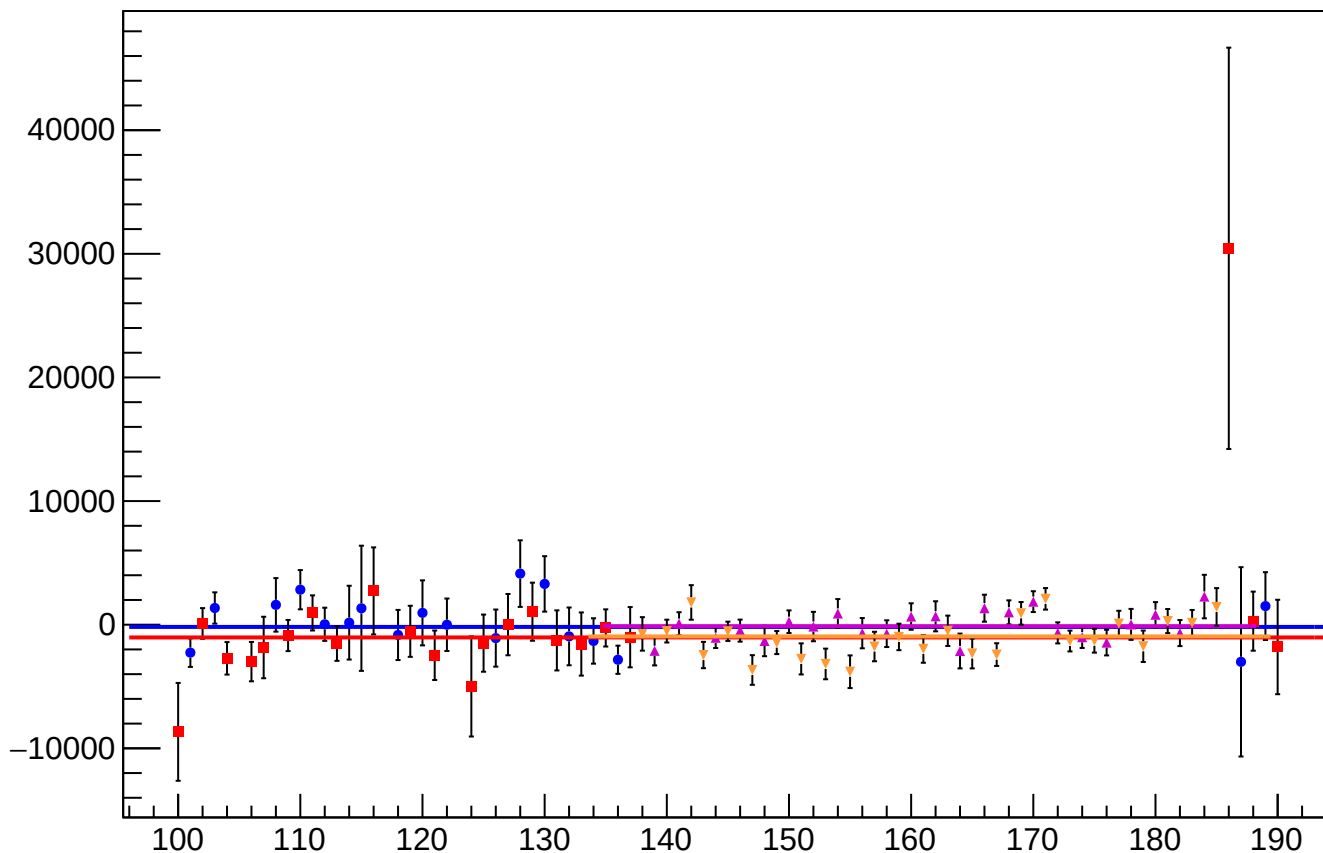
Left In: 124.259+/-0.021 χ^2/NDF :557214.9/22

+ sign 120.685+/-0.017 χ^2/NDF : 1114717.3/42

All: 120.558+/-0.012 χ^2/NDF : 2916654.3/87

- sign 120.430 $\pm$ 0.017 χ^2 /NDF: 1801818.3/44

asym_sam_48_dd_eigen_cor_correction_mean vs Slug



Right In: -179.650 ± 437.547 χ^2/NDF : 21.0/17

Left Out: -947.709 ± 211.794 χ^2/NDF : 50.3/24

Right Out: -1030.566 ± 414.662 χ^2/NDF : 18.0/21

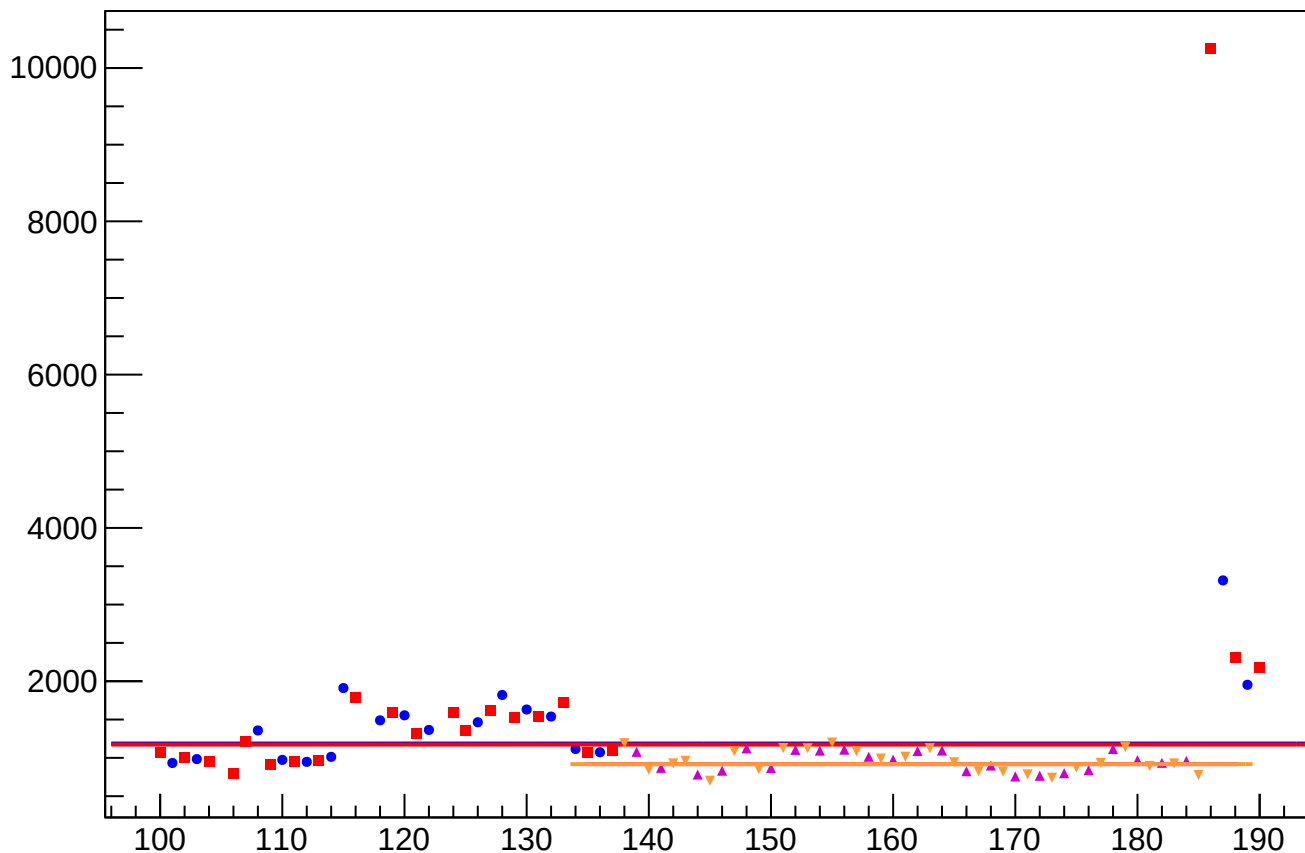
Left In: -118.435 ± 217.165 χ^2/NDF : 24.4/22

+ sign -801.912 ± 190.635 χ^2/NDF : 73.7/42

All: -560.557 ± 135.412 χ^2/NDF : 123.2/87

- sign -314.765 ± 192.379 χ^2/NDF : 46.2/44

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1186.816 $\pm$ 0.309 χ^2 /NDF: 1002040.1/17

Left Out: 918.501 $\pm$ 0.150 χ^2 /NDF: 887819.5/24

Right Out: 1173.505 $\pm$ 0.293 χ^2 /NDF: 2054083.9/21

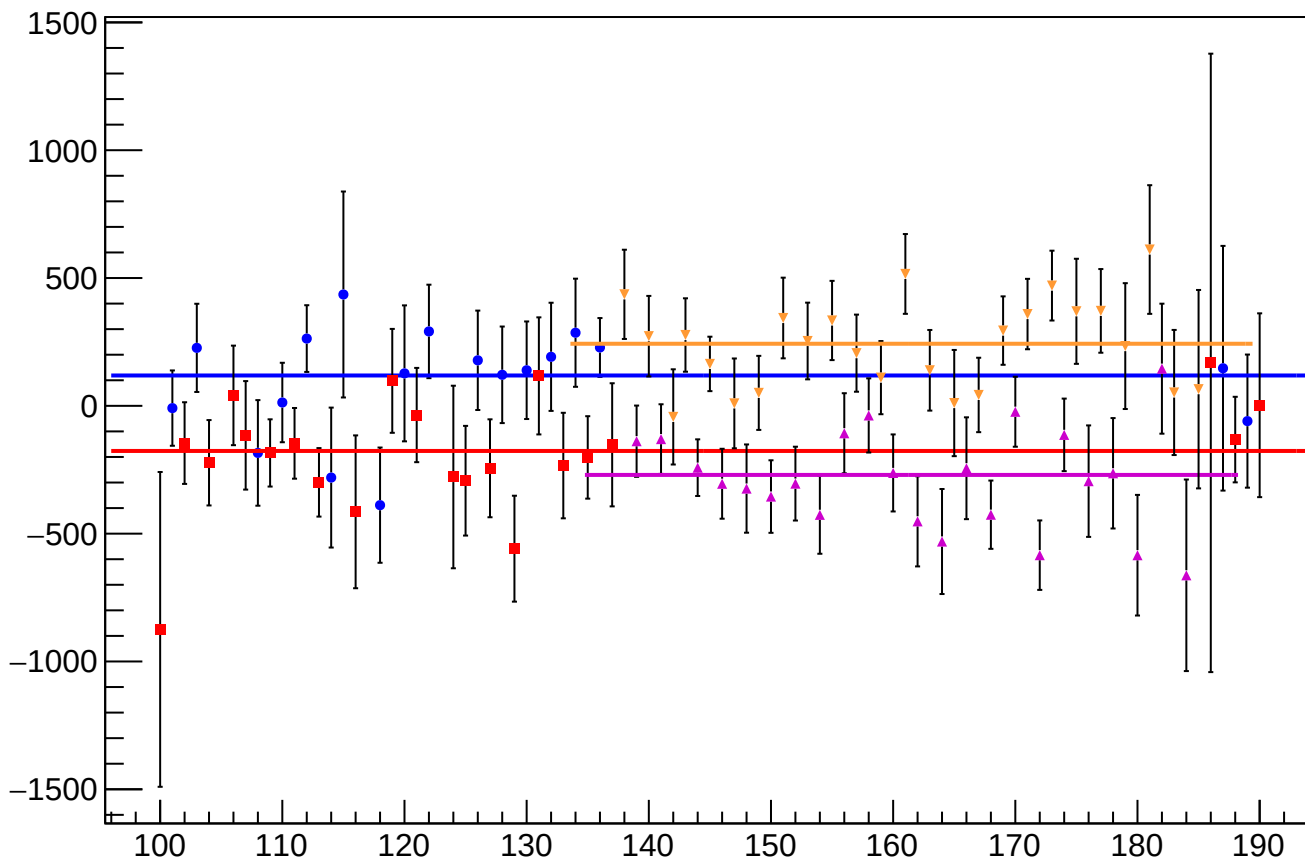
Left In: 918.214 $\pm$ 0.154 χ^2 /NDF: 666263.4/22

+ sign 969.434 $\pm$ 0.135 χ^2 /NDF: 2499182.9/42

All: 971.282 $\pm$ 0.096 χ^2 /NDF: 5814812.6/87

- sign 973.164 $\pm$ 0.136 χ^2 /NDF: 3315250.6/44

dit_asym_sam_48_dd_mean vs Slug



Right In: 118.757 $\pm$ 44.378 χ^2/NDF : 15.9/17

Left Out: 242.890 $\pm$ 32.138 χ^2/NDF : 23.7/24

Right Out: -176.476 $\pm$ 41.546 χ^2/NDF : 12.7/21

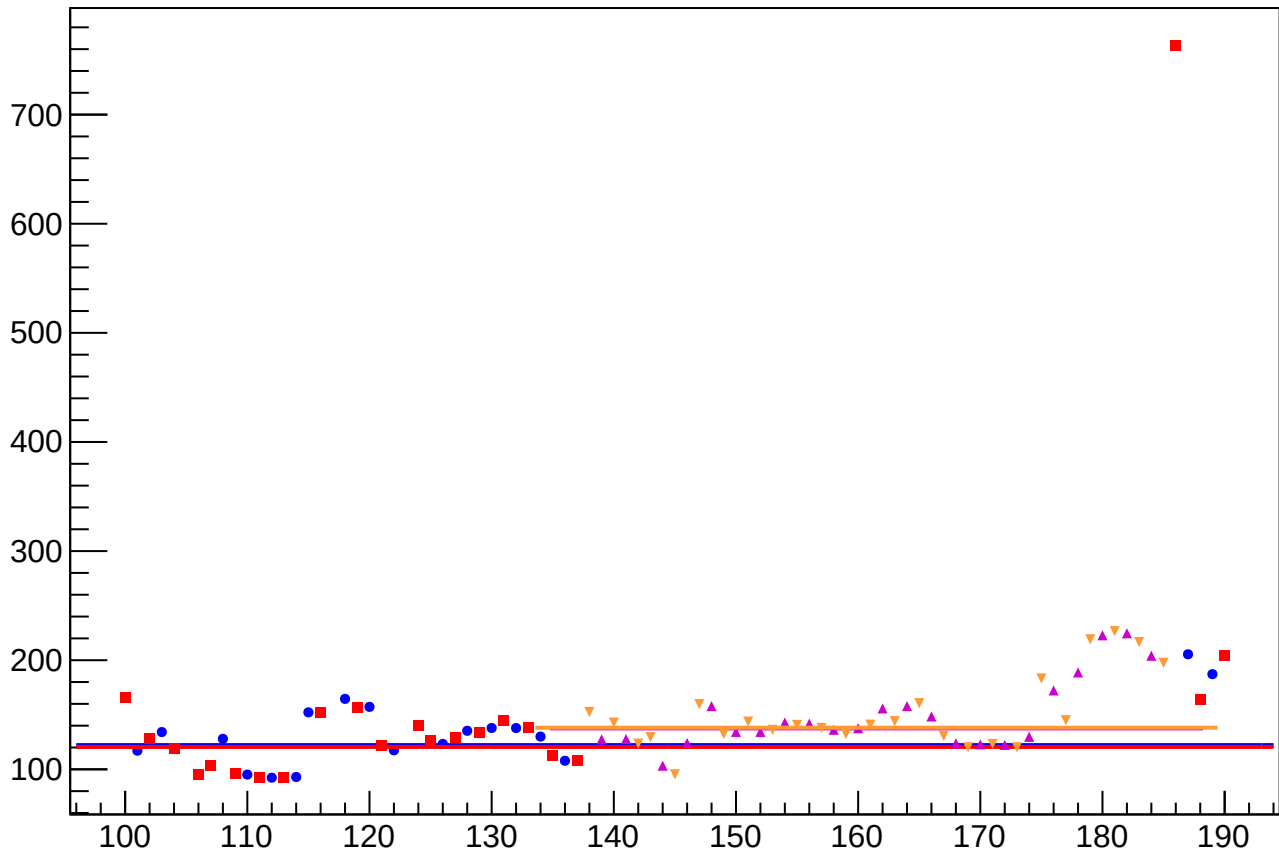
Left In: -270.243 $\pm$ 32.893 χ^2/NDF : 26.7/22

+ sign 200.185 $\pm$ 26.030 χ^2/NDF : 44.7/42

All: -18.982 $\pm$ 18.320 χ^2/NDF : 227.7/87

- sign -234.113 $\pm$ 25.789 χ^2/NDF : 42.6/44

dit_asym_sam_48_dd_rms vs Slug



Right In: 122.200 $\pm$ 0.031 χ^2 /NDF: 572527.3/17

Left Out: 138.127 $\pm$ 0.023 χ^2 /NDF: 1338308.5/24

Right Out: 120.529 $\pm$ 0.029 χ^2 /NDF: 1258816.7/21

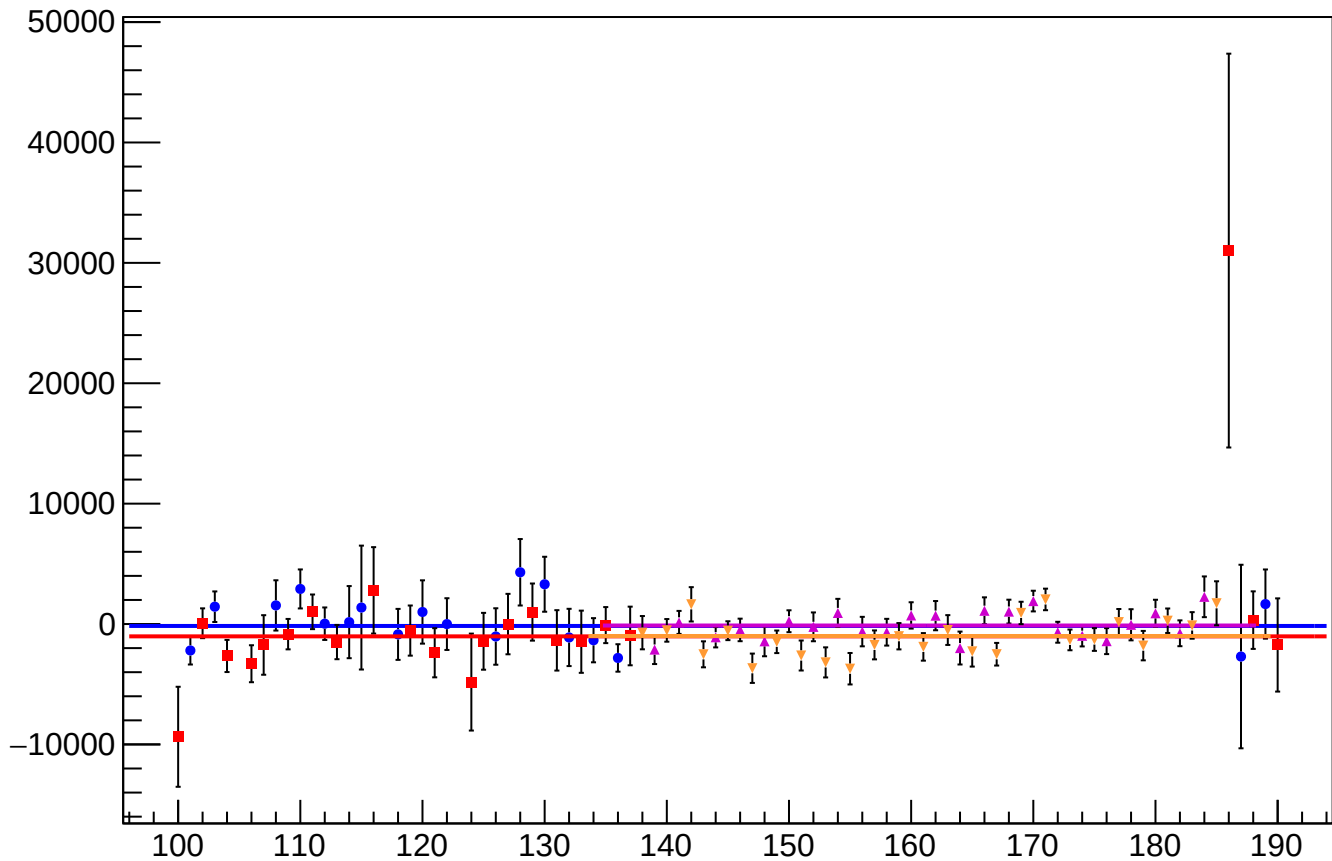
Left In: 137.491 $\pm$ 0.023 χ^2 /NDF: 1109333.5/22

+ sign 132.648 $\pm$ 0.018 χ^2 /NDF: 2079819.0/42

All: 131.794 $\pm$ 0.013 χ^2 /NDF: 4657152.9/87

- sign 130.956 $\pm$ 0.018 χ^2 /NDF: 2573067.8/44

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -159.731 ± 441.267 χ^2/NDF : 20.9/17

Left Out: -993.237 ± 215.652 χ^2/NDF : 46.9/24

Right Out: -1023.520 ± 416.770 χ^2/NDF : 18.8/21

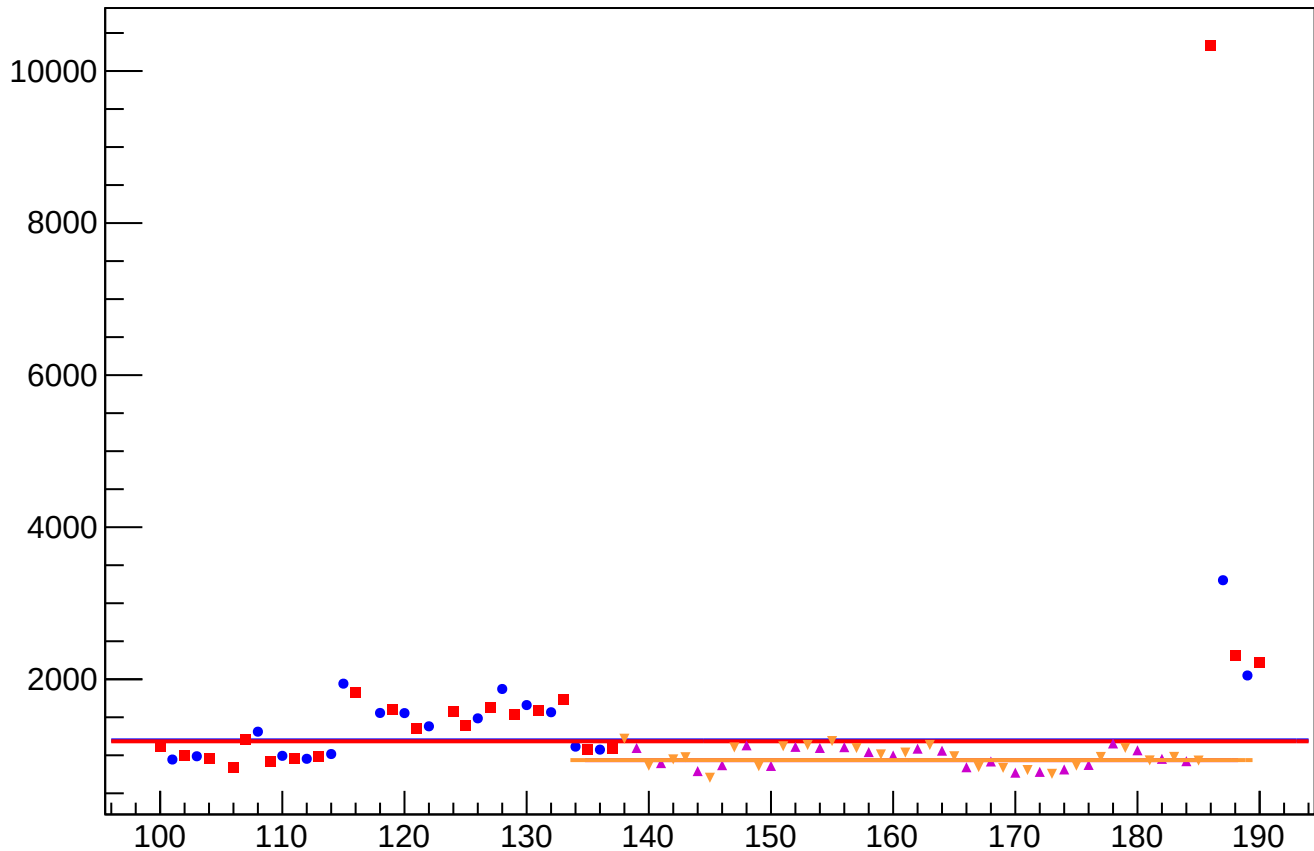
Left In: -124.857 ± 221.367 χ^2/NDF : 23.9/22

+ sign -832.543 ± 193.752 χ^2/NDF : 70.7/42

All: -579.862 ± 137.617 χ^2/NDF : 120.4/87

- sign -322.599 ± 195.501 χ^2/NDF : 46.3/44

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1196.016 $\pm$ 0.312 χ^2 /NDF: 1046557.8/17

Left Out: 936.743 $\pm$ 0.152 χ^2 /NDF:832449.3/24

Right Out: 1183.947 $\pm$ 0.295 χ^2 /NDF: 2056302.0/21

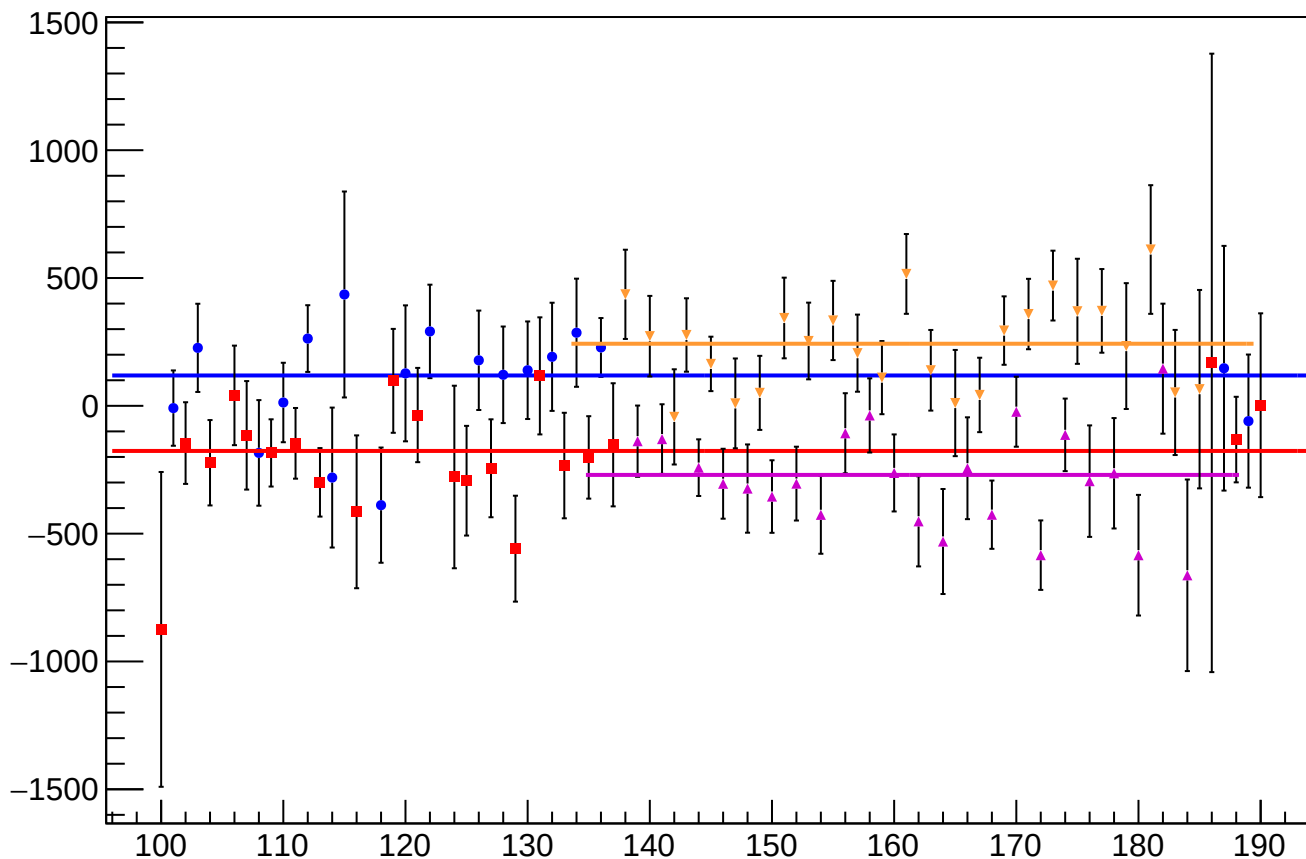
Left In: 936.380 $\pm$ 0.157 χ^2 /NDF:642749.3/22

+ sign 986.729 $\pm$ 0.137 χ^2 /NDF: 2436352.5/42

All: 988.774 $\pm$ 0.097 χ^2 /NDF: 5686273.0/87

- sign 990.855 $\pm$ 0.138 χ^2 /NDF: 3249471.1/44

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 118.760 ± 44.378 $\chi^2/\text{NDF}: 15.9/17$

Left Out: 242.892 ± 32.138 $\chi^2/\text{NDF}: 23.7/24$

Right Out: -176.477 ± 41.546 $\chi^2/\text{NDF}: 12.7/21$

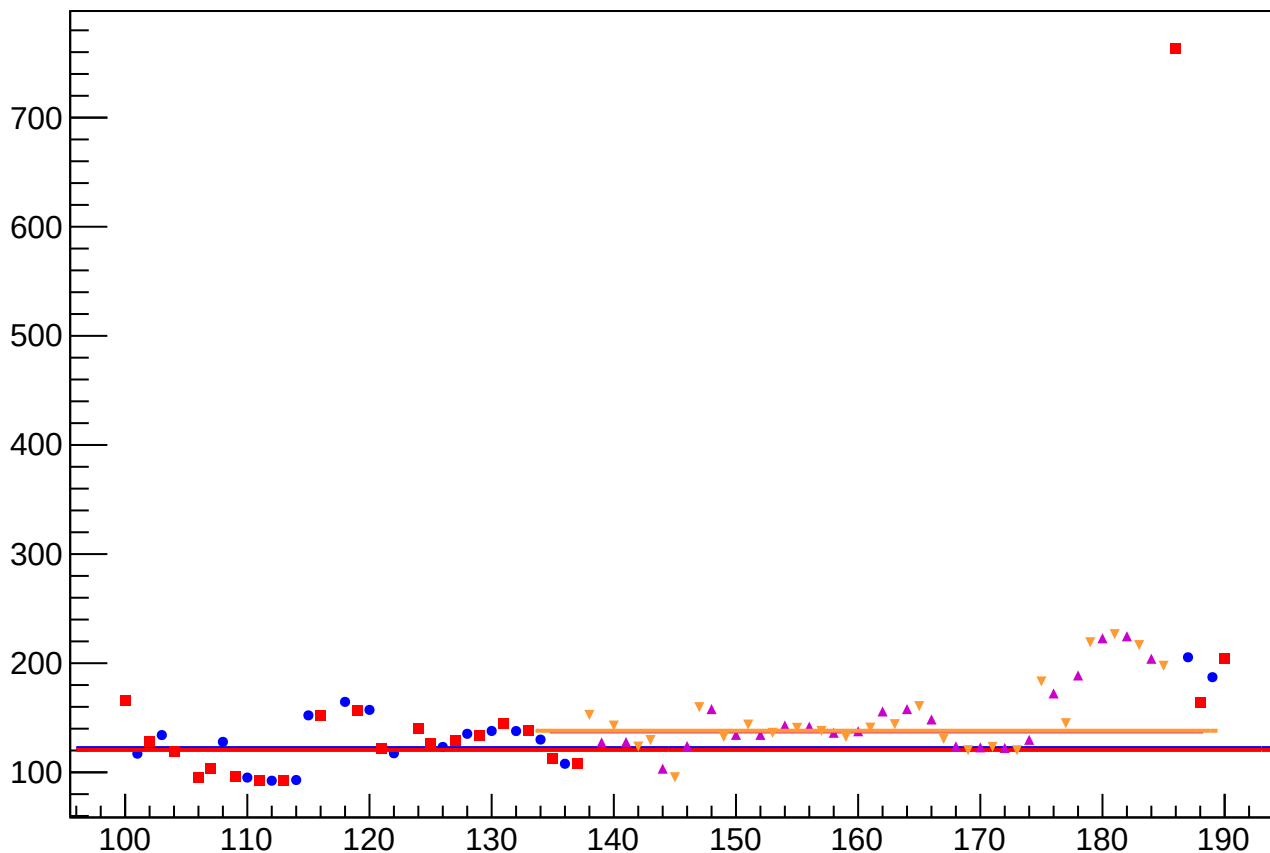
Left In: -270.244 ± 32.893 $\chi^2/\text{NDF}: 26.7/22$

+ sign 200.187 ± 26.030 $\chi^2/\text{NDF}: 44.7/42$

All: -18.981 ± 18.320 $\chi^2/\text{NDF}: 227.7/87$

- sign -234.114 ± 25.789 $\chi^2/\text{NDF}: 42.6/44$

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 122.200 $\pm$ 0.031 χ^2 /NDF: 572526.2/17

Left Out: 138.127 $\pm$ 0.023 χ^2 /NDF:1338311.7/24

Right Out: 120.529 $\pm$ 0.029 χ^2 /NDF: 1258824.0/21

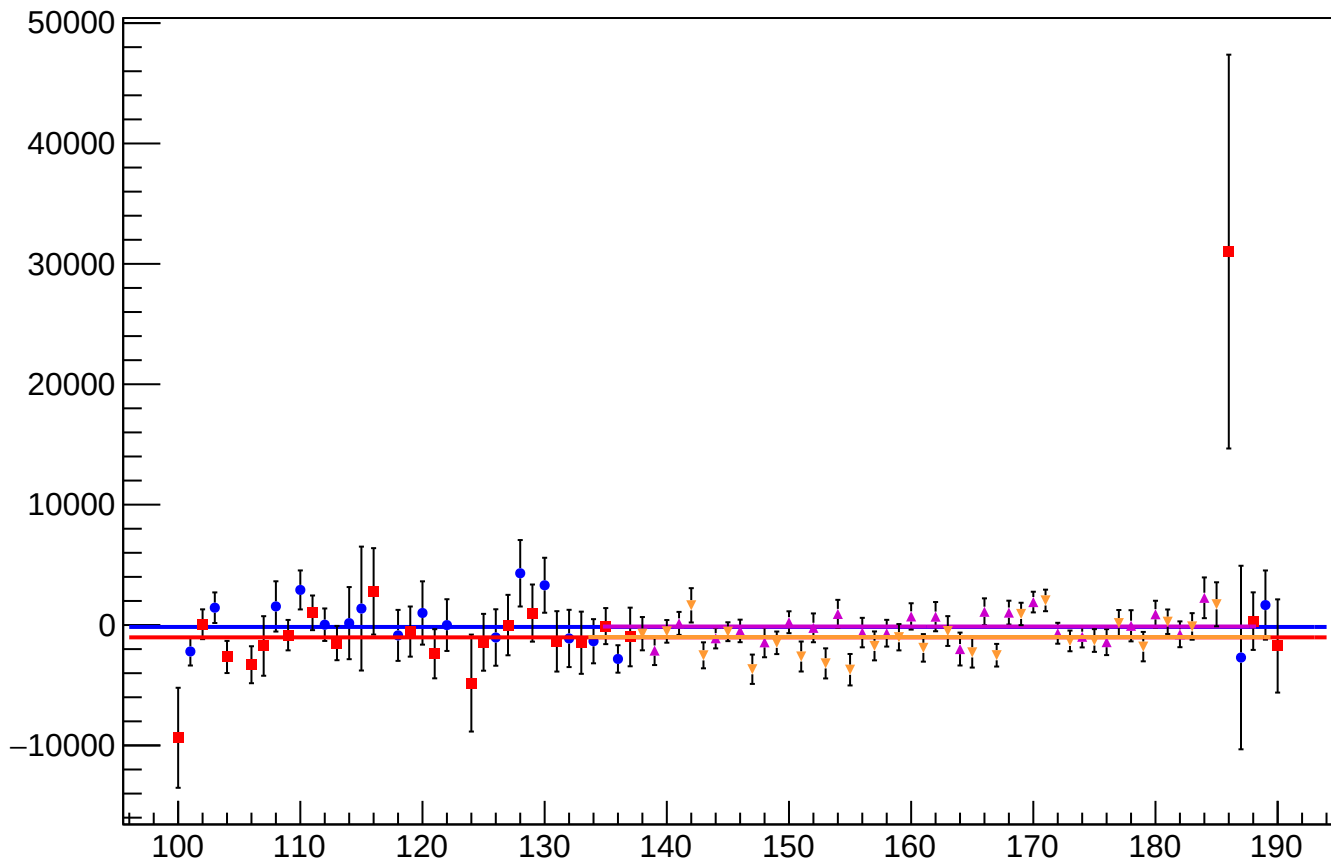
Left In: 137.491 $\pm$ 0.023 χ^2 /NDF:1109319.8/22

+ sign 132.648 $\pm$ 0.018 χ^2 /NDF: 2079821.0/42

All: 131.794 $\pm$ 0.013 χ^2 /NDF: 4657148.8/87

- sign 130.956 $\pm$ 0.018 χ^2 /NDF: 2573061.6/44

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -159.730 ± 441.267 χ^2/NDF : 20.9/17

Left Out: -993.235 ± 215.652 χ^2/NDF : 46.9/24

Right Out: -1023.520 ± 416.770 χ^2/NDF : 18.8/21

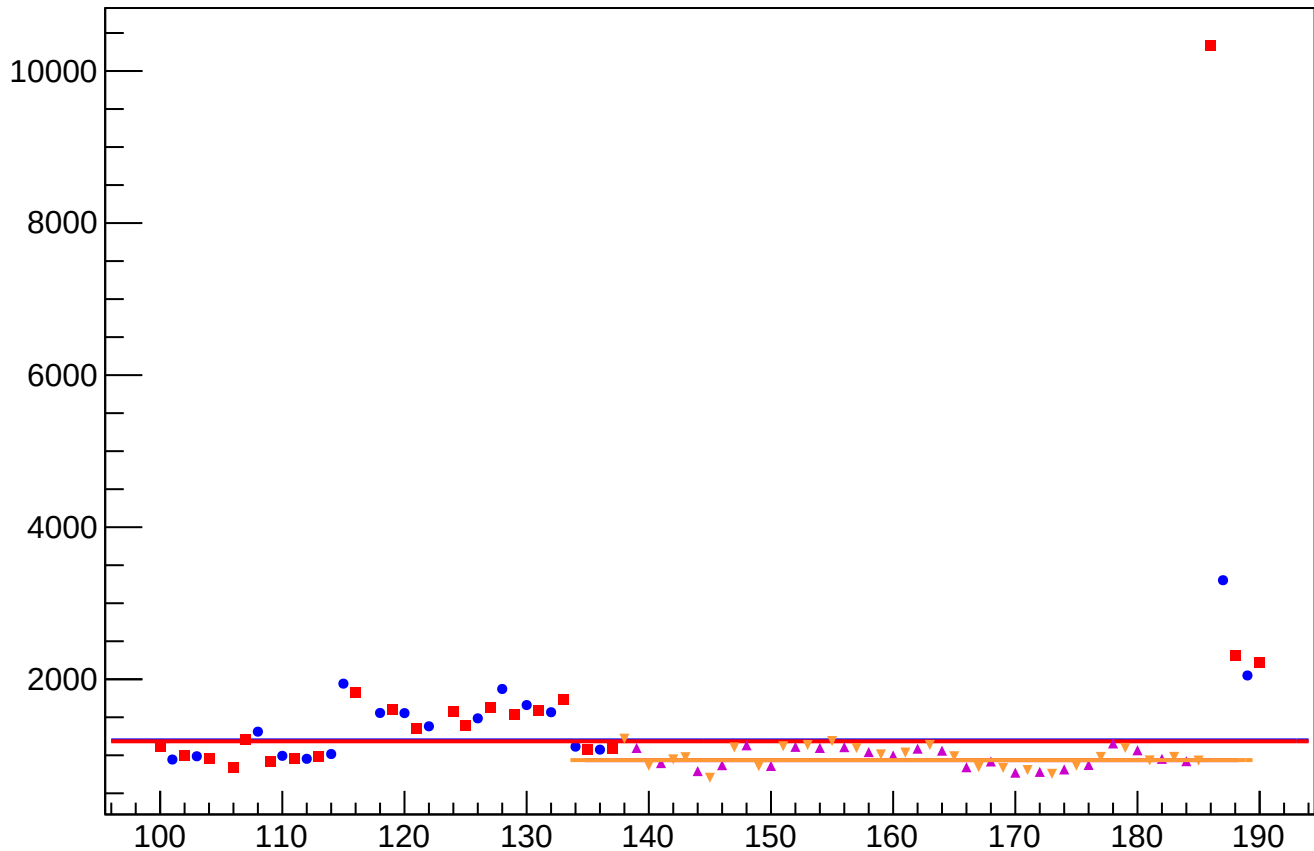
Left In: -124.856 ± 221.366 χ^2/NDF : 23.9/22

+ sign -832.542 ± 193.752 χ^2/NDF : 70.7/42

All: -579.861 ± 137.617 χ^2/NDF : 120.4/87

- sign -322.598 ± 195.500 χ^2/NDF : 46.3/44

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1196.015+/-0.312 χ^2/NDF : 1046558.6/17

Left Out: 936.742+/-0.152 χ^2/NDF : 832452.0/24

Right Out: 1183.947+/-0.295 χ^2/NDF : 2056300.7/21

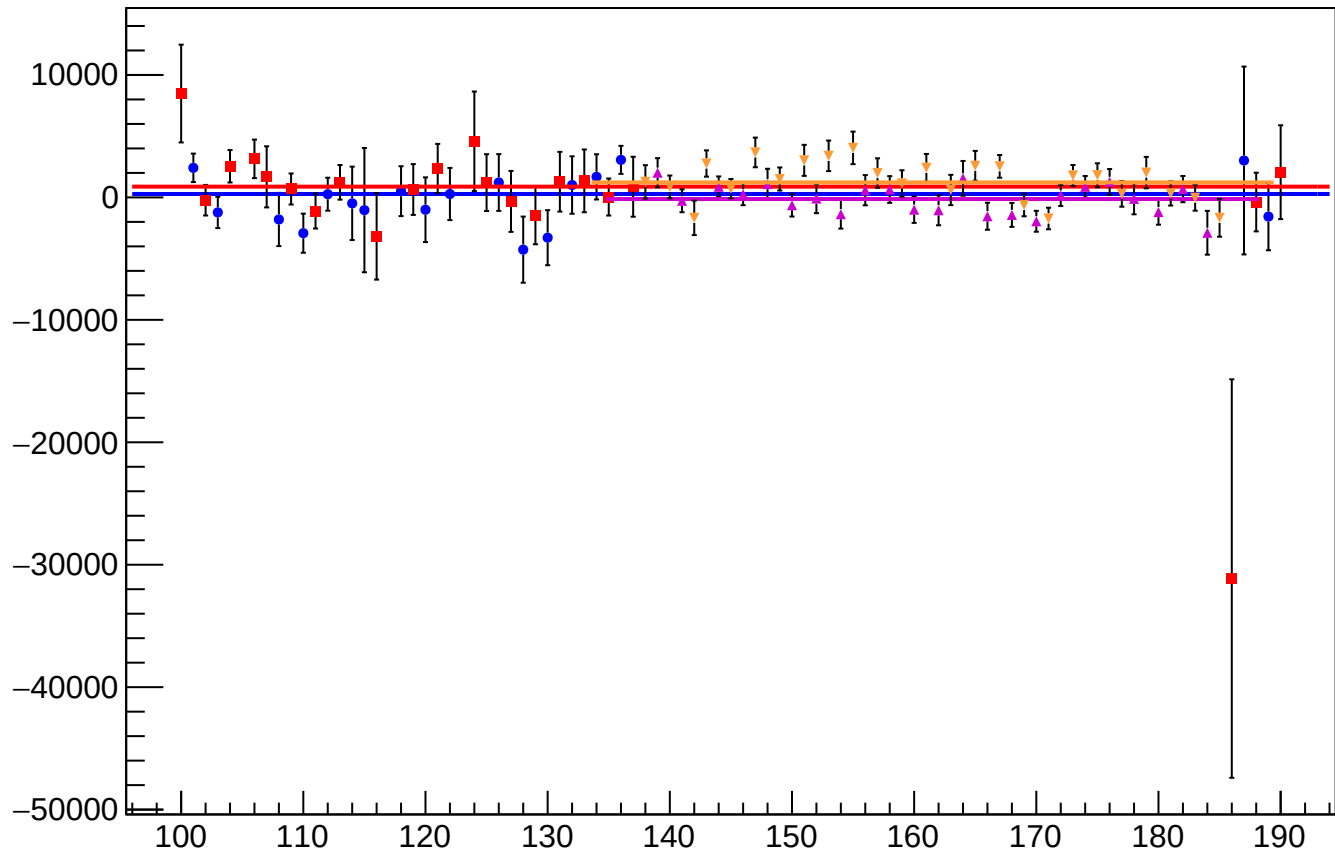
Left In: 936.379+/-0.157 χ^2/NDF : 642748.0/22

+ sign 986.728+/-0.137 χ^2/NDF : 2436360.6/42

All: 988.773+/-0.097 χ^2/NDF : 5686281.9/87

- sign 990.854+/-0.138 χ^2/NDF : 3249471.9/44

asym_sam_48_dd_mean vs Slug



Right In: 278.166 ± 439.861 χ^2/NDF : 22.8/17

Left Out: 1225.521 ± 213.843 χ^2/NDF : 48.5/24

Right Out: 878.996 ± 416.235 χ^2/NDF : 18.8/21

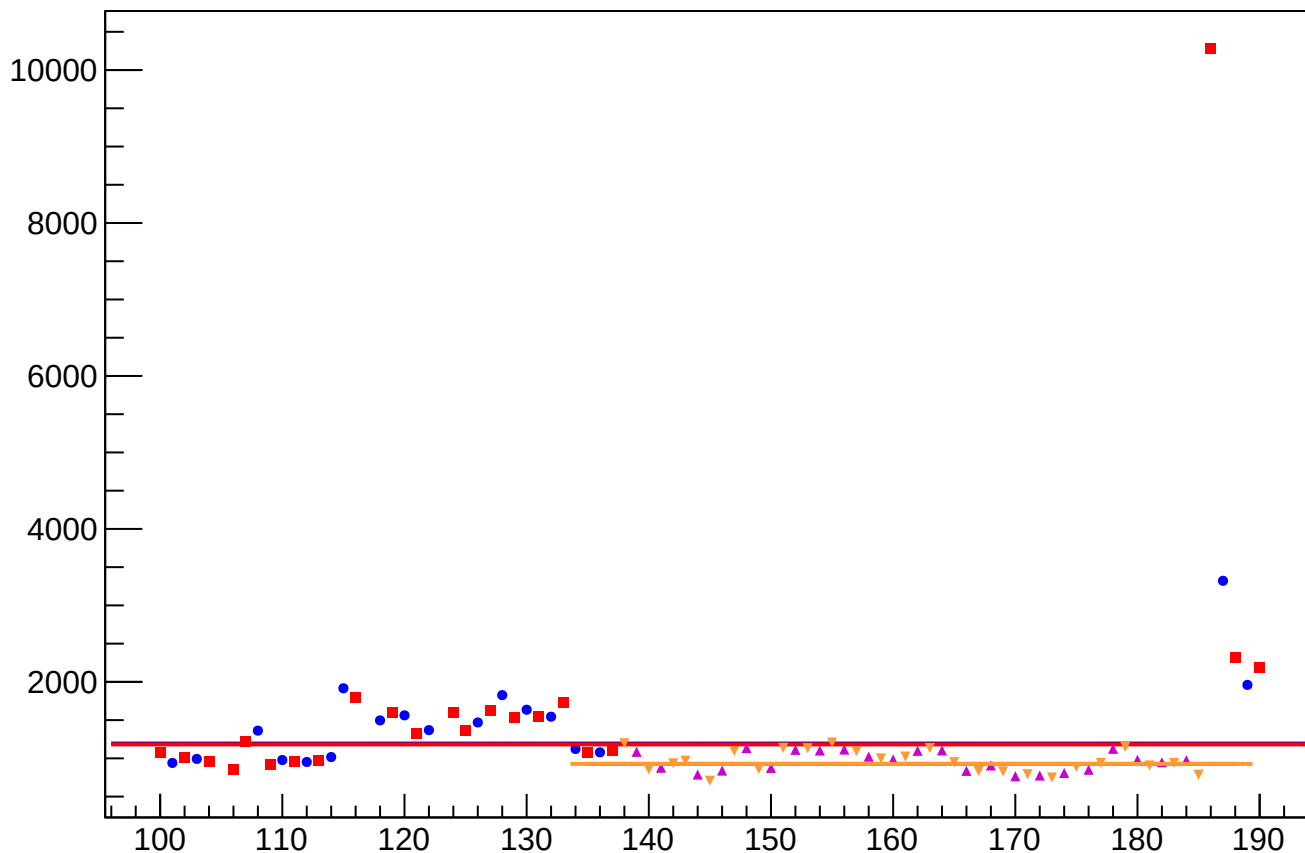
Left In: -132.834 ± 219.278 χ^2/NDF : 25.8/22

+ sign 1044.416 ± 192.320 χ^2/NDF : 75.0/42

All: 569.869 ± 136.582 χ^2/NDF : 136.5/87

- sign 86.977 ± 194.003 χ^2/NDF : 49.3/44

asym_sam_48_dd_rms vs Slug



Right In: 1193.430+/-0.311 χ^2/NDF : 993839.4/17

Left Out: 927.610+/-0.151 χ^2/NDF : 875127.3/24

Right Out: 1182.384+/-0.294 χ^2/NDF : 2019701.0/21

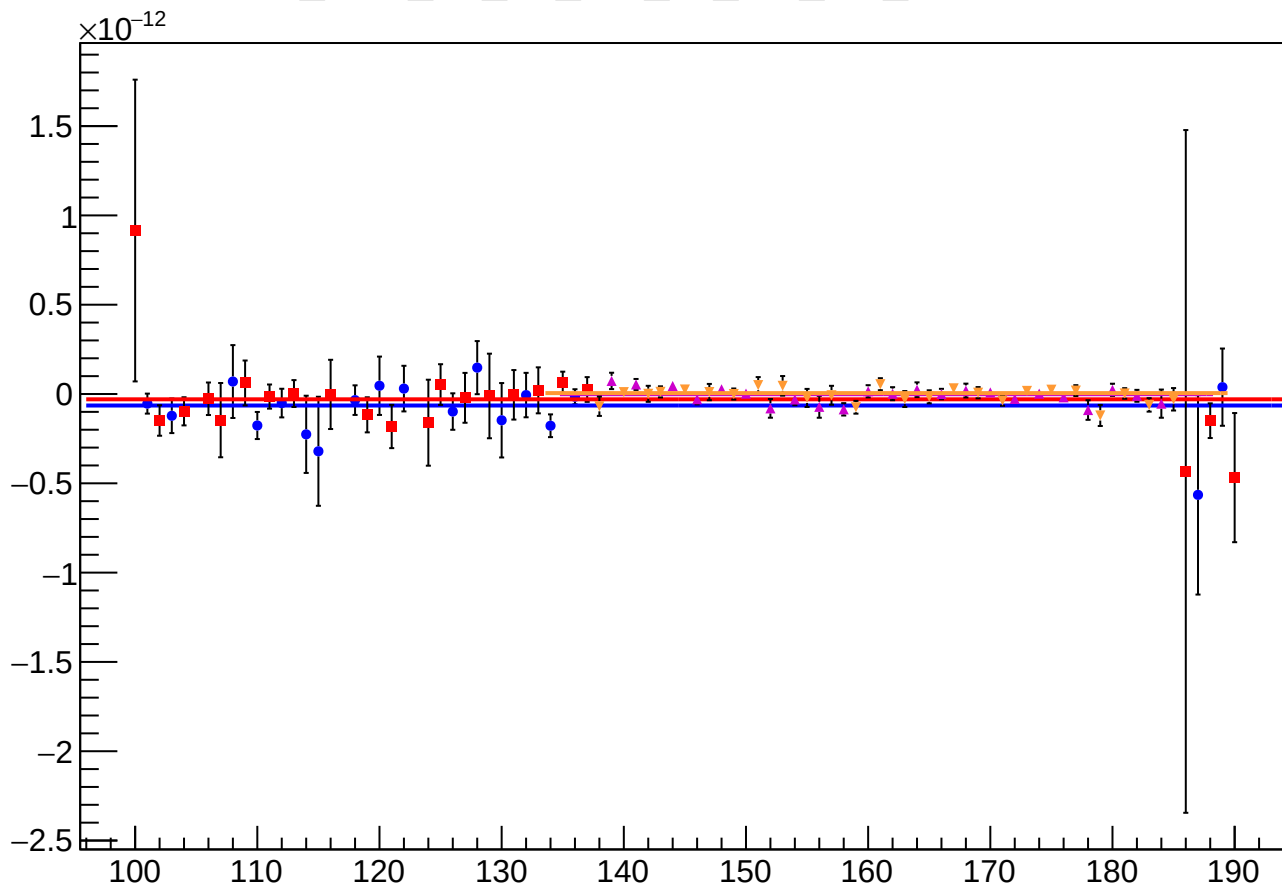
Left In: 927.321+/-0.155 χ^2/NDF : 656539.8/22

+ sign 978.426+/-0.136 χ^2/NDF : 2459759.3/42

All: 980.560+/-0.097 χ^2/NDF : 5724363.1/87

- sign 982.731+/-0.137 χ^2/NDF : 3264107.1/44

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.5/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 25.4/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 14.7/21

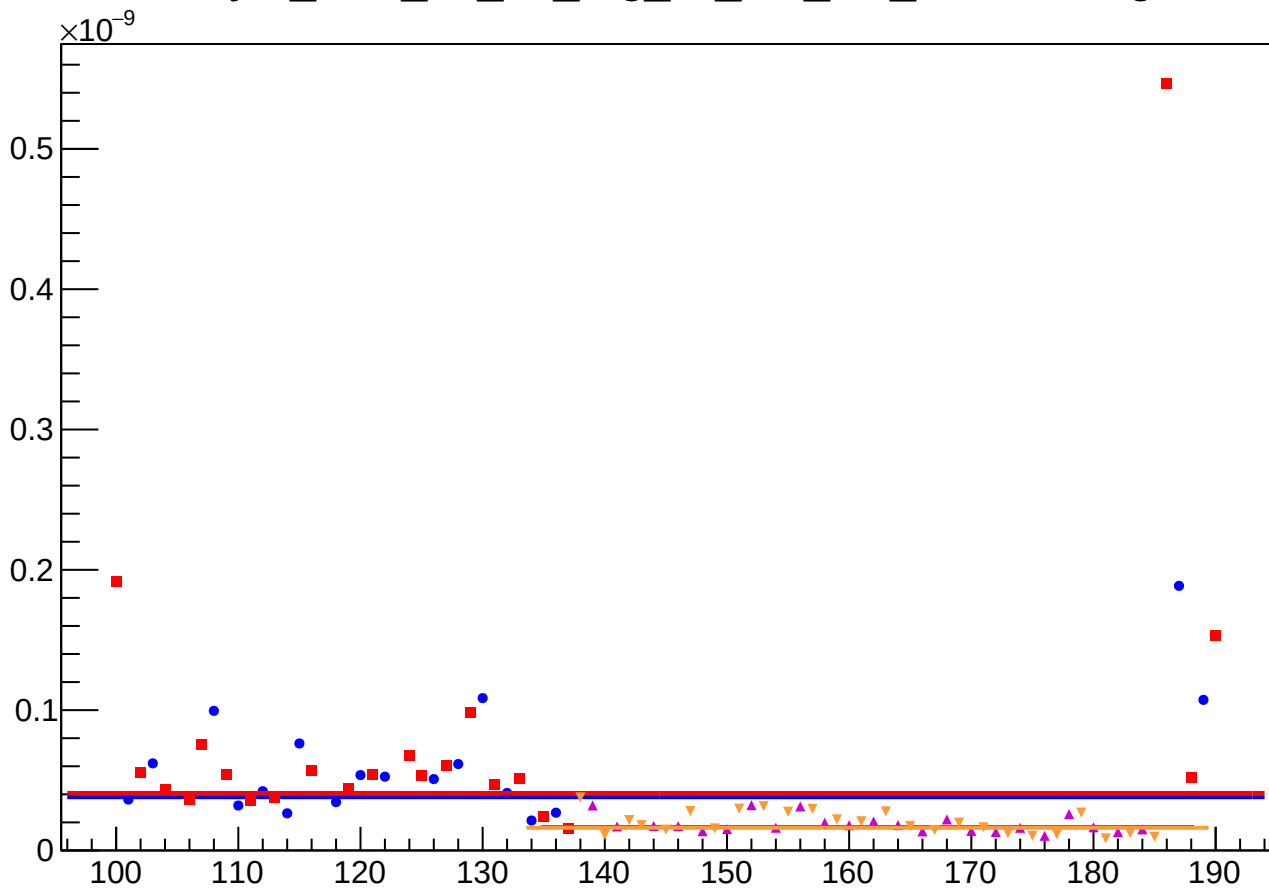
Left In: -0.000 ± 0.000 χ^2/NDF : 27.7/22

+ sign -0.000 ± 0.000 χ^2/NDF : 48.3/42

All: -0.000 ± 0.000 χ^2/NDF : 92.3/87

- sign -0.000 ± 0.000 χ^2/NDF : 43.9/44

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 1350444.3/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 2009728.9/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 1267844.5/21

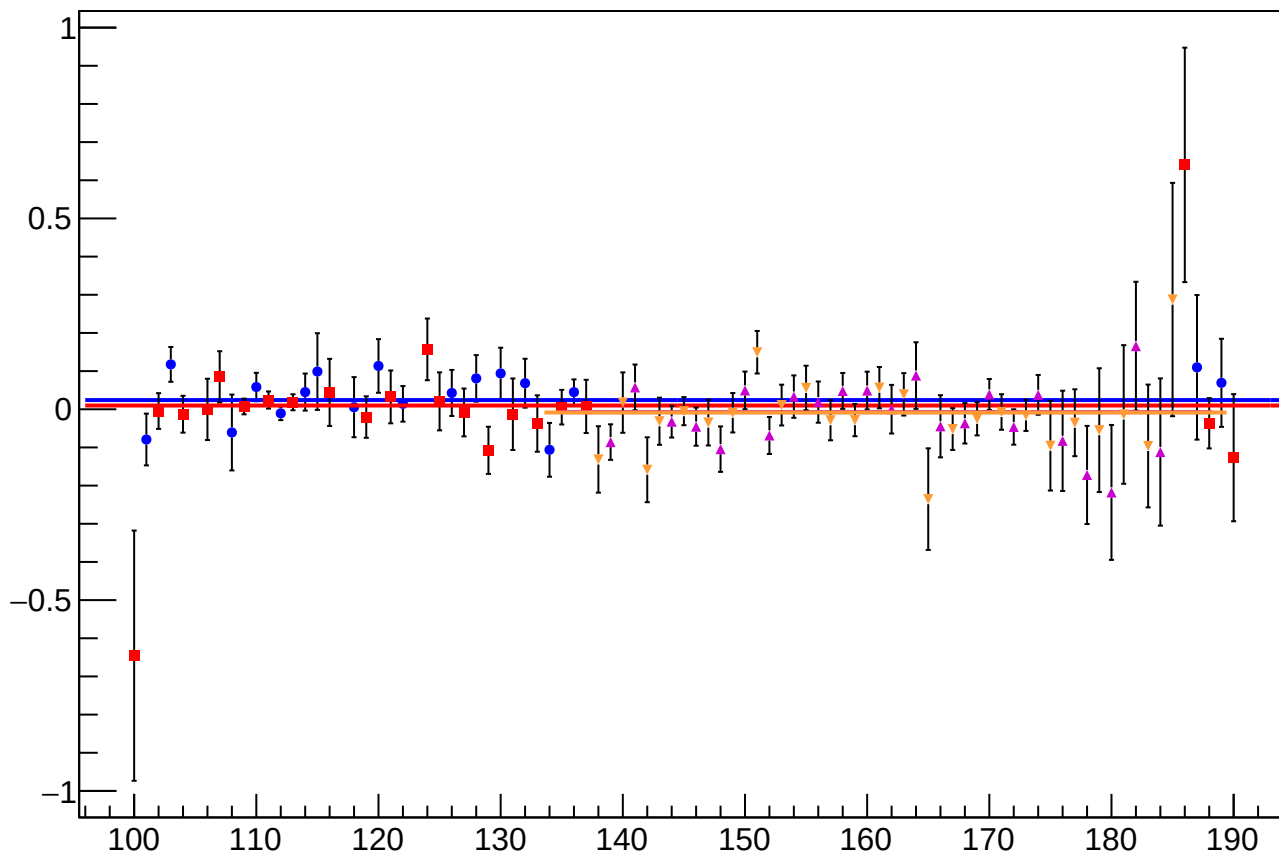
Left In: 0.000 ± 0.000 χ^2/NDF : 928356.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 5212372.8/42

All: 0.000 ± 0.000 χ^2/NDF : 9572665.4/87

- sign 0.000 ± 0.000 χ^2/NDF : 4345194.4/44

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.024 ± 0.011 $\chi^2/\text{NDF}: 21.1/17$

Left Out: -0.008 ± 0.012 $\chi^2/\text{NDF}: 23.2/24$

Right Out: 0.010 ± 0.010 $\chi^2/\text{NDF}: 19.6/21$

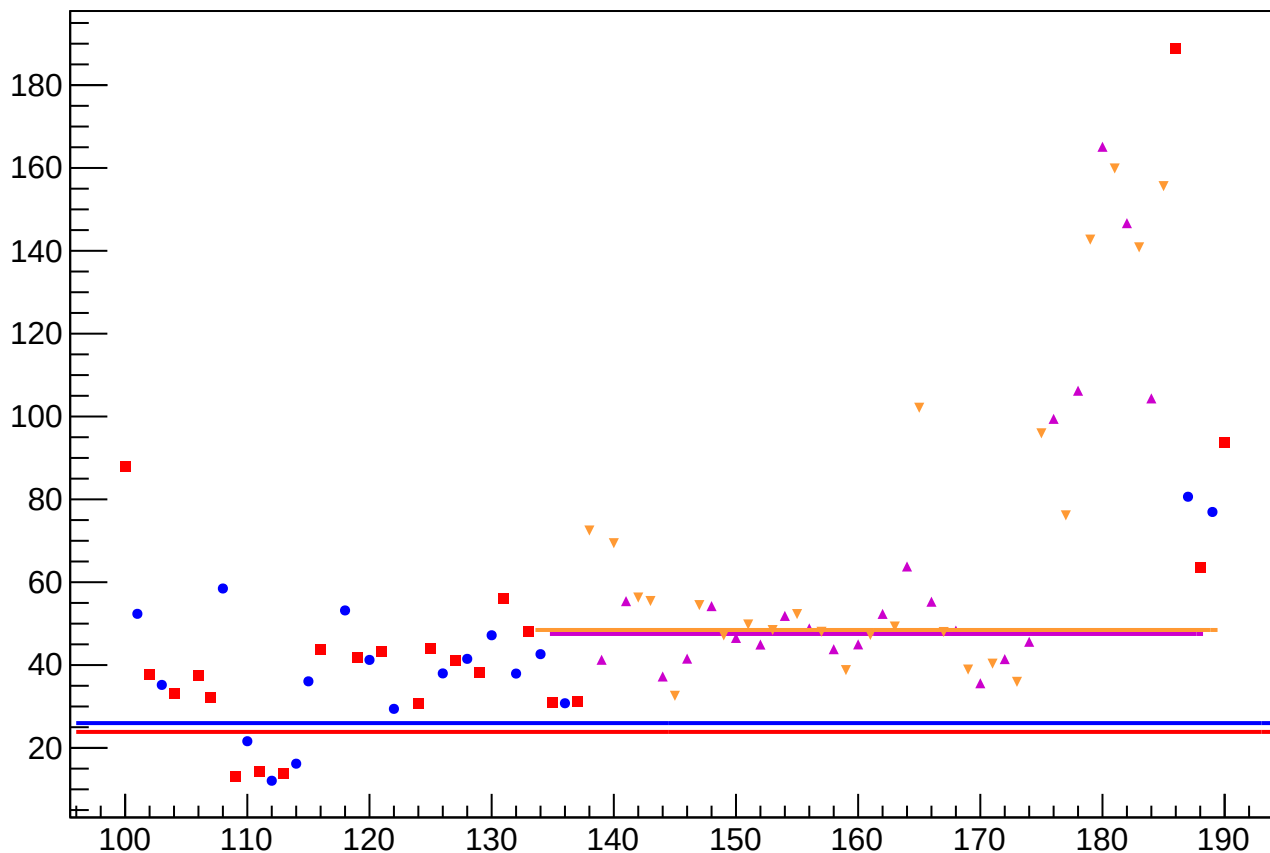
Left In: -0.007 ± 0.012 $\chi^2/\text{NDF}: 23.2/22$

+ sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 48.2/42$

All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 92.7/87$

- sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 44.1/44$

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.990 $\pm$ 0.008 χ^2 /NDF: 3488878.6/17

Left Out: 48.471 $\pm$ 0.008 χ^2 /NDF: 4373812.0/24

Right Out: 23.861 $\pm$ 0.007 χ^2 /NDF: 4831145.0/21

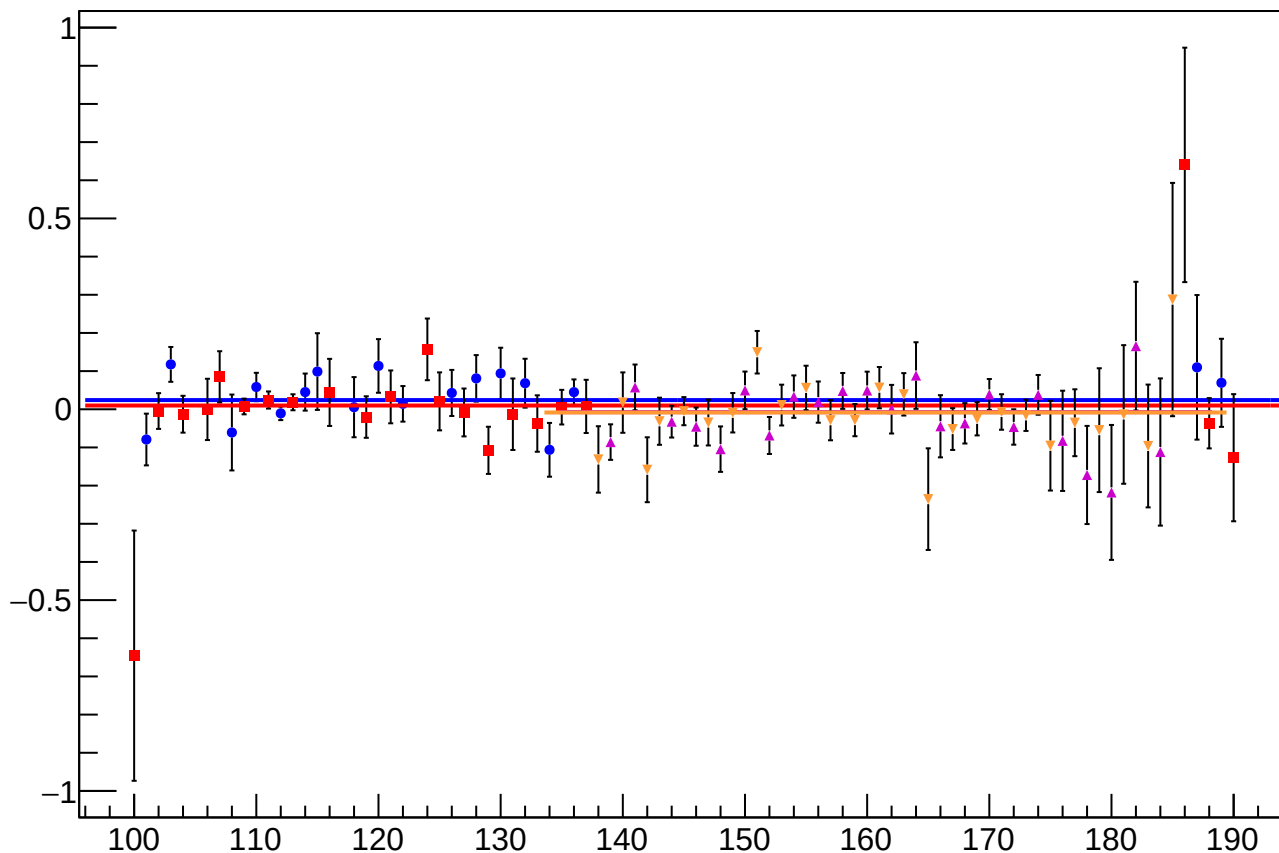
Left In: 47.505 $\pm$ 0.009 χ^2 /NDF: 3075161.5/22

+ sign 36.248 $\pm$ 0.006 χ^2 /NDF: 11674872.1/42

All: 34.583 $\pm$ 0.004 χ^2 /NDF: 24428928.5/87

- sign 33.145 $\pm$ 0.005 χ^2 /NDF: 12597029.5/44

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024 ± 0.011 $\chi^2/\text{NDF}: 21.1/17$

Left Out: -0.008 ± 0.012 $\chi^2/\text{NDF}: 23.2/24$

Right Out: 0.010 ± 0.010 $\chi^2/\text{NDF}: 19.6/21$

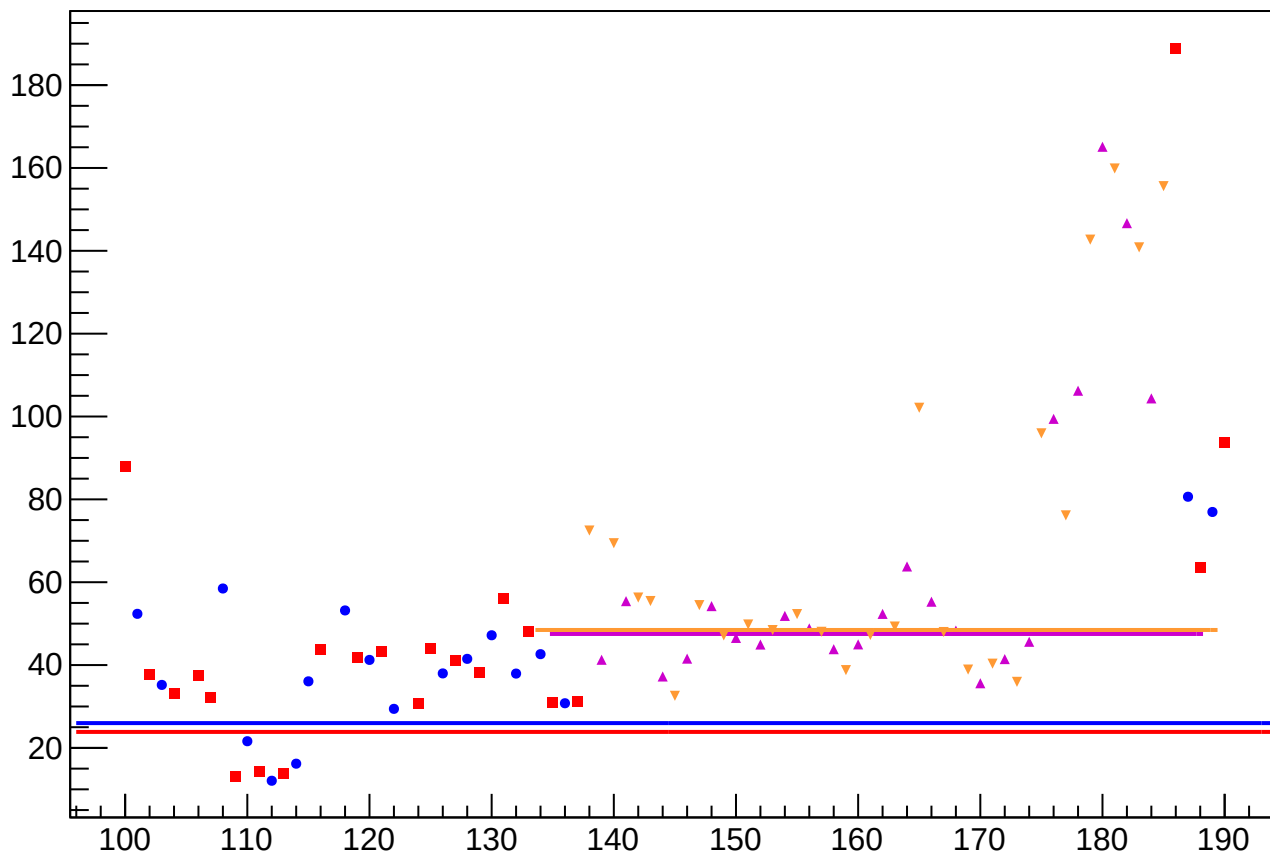
Left In: -0.007 ± 0.012 $\chi^2/\text{NDF}: 23.2/22$

+ sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 48.2/42$

All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 92.7/87$

- sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 44.1/44$

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.990 $\pm$ 0.008 χ^2 /NDF: 3488878.6/17

Left Out: 48.471 $\pm$ 0.008 χ^2 /NDF: 4373812.0/24

Right Out: 23.861 $\pm$ 0.007 χ^2 /NDF: 4831145.0/21

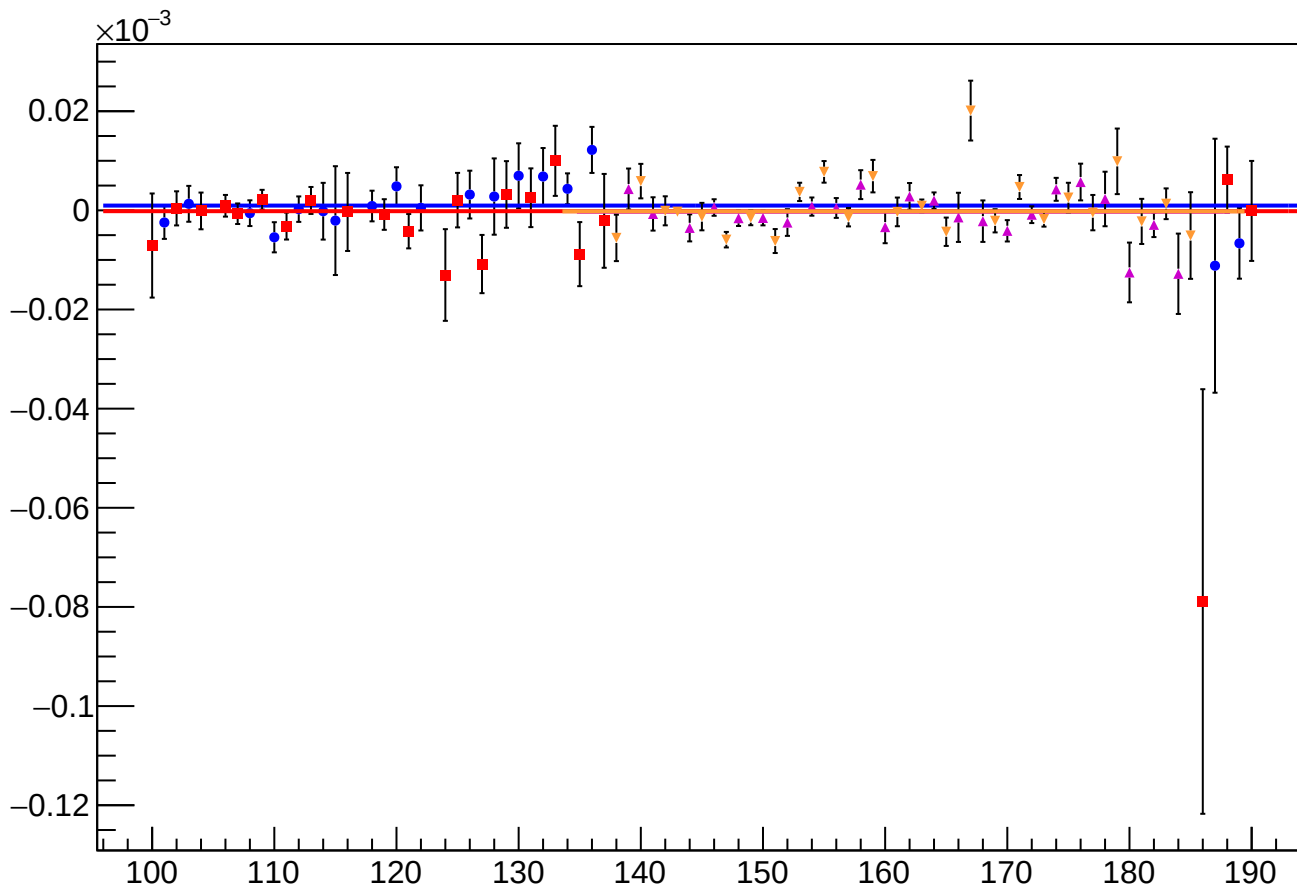
Left In: 47.505 $\pm$ 0.009 χ^2 /NDF: 3075161.5/22

+ sign 36.248 $\pm$ 0.006 χ^2 /NDF: 11674872.1/42

All: 34.583 $\pm$ 0.004 χ^2 /NDF: 24428928.5/87

- sign 33.145 $\pm$ 0.005 χ^2 /NDF: 12597029.5/44

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF : 71.7/24

Right Out: -0.000+/-0.000 χ^2/NDF : 19.4/21

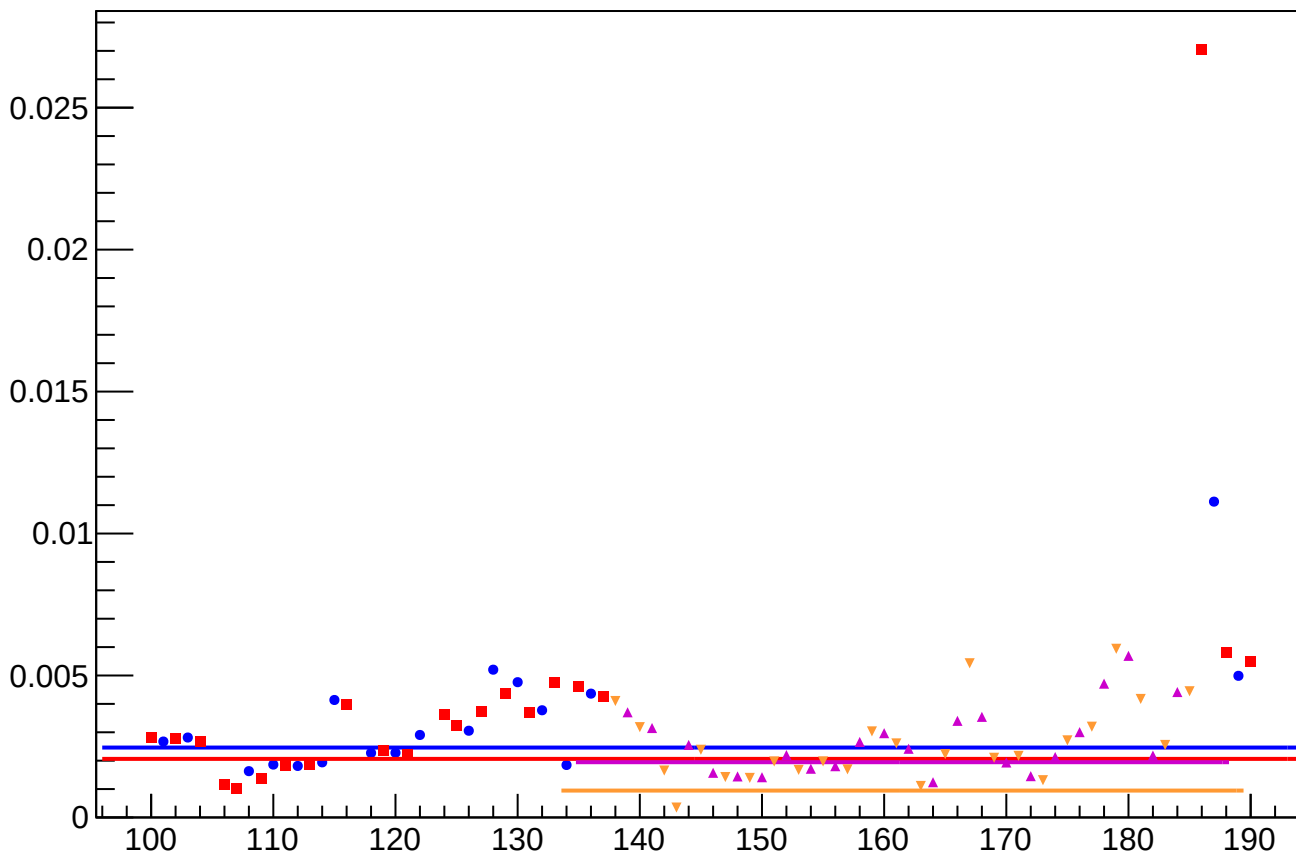
Left In: -0.000+/-0.000 χ^2/NDF : 30.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 90.6/42

All: -0.000+/-0.000 χ^2/NDF : 141.1/87

- sign -0.000+/-0.000 χ^2/NDF : 50.4/44

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2057780.7/17

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:17608951.7/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4340151.1/21

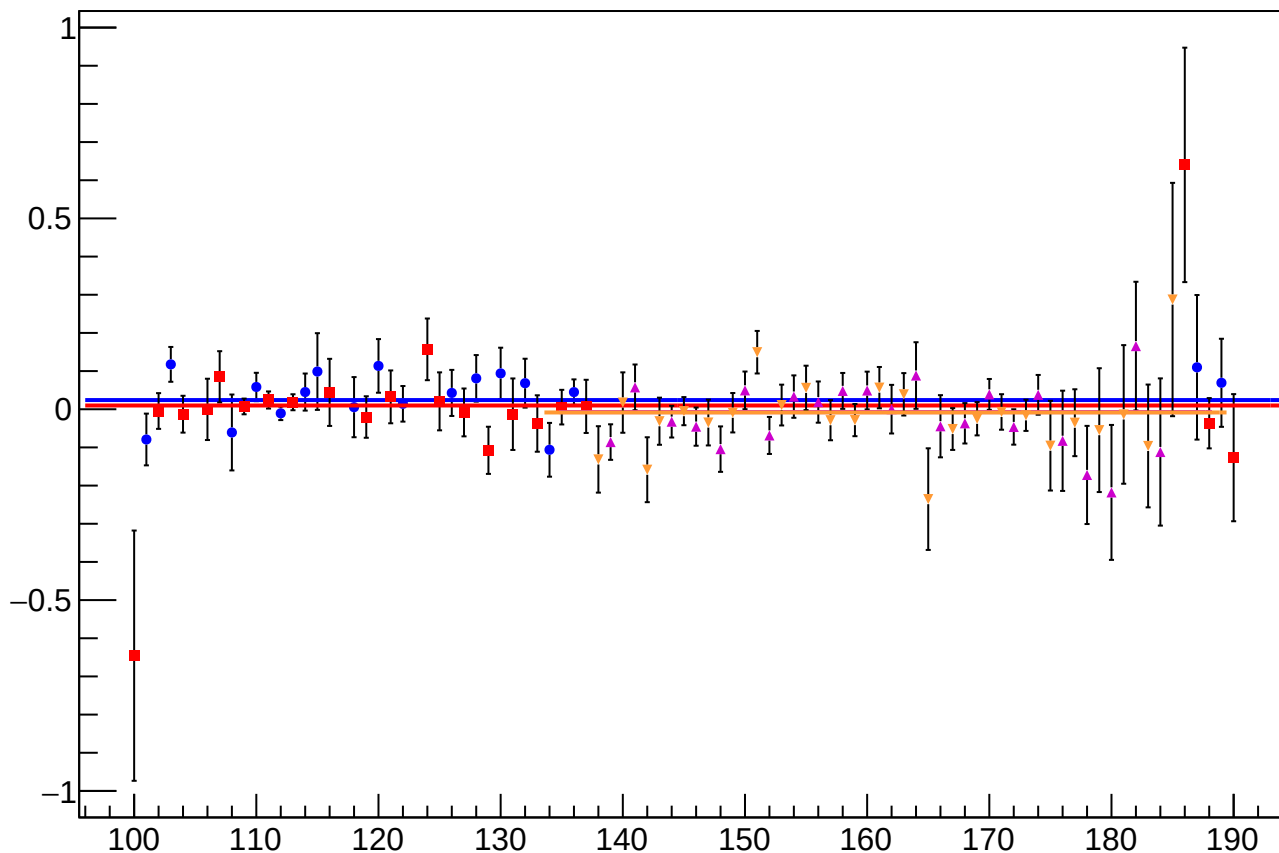
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:4362371.5/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 24328355.7/42

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 39155141.8/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8733170.7/44

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024 ± 0.011 $\chi^2/\text{NDF}: 21.1/17$

Left Out: -0.008 ± 0.012 $\chi^2/\text{NDF}: 23.2/24$

Right Out: 0.010 ± 0.010 $\chi^2/\text{NDF}: 19.6/21$

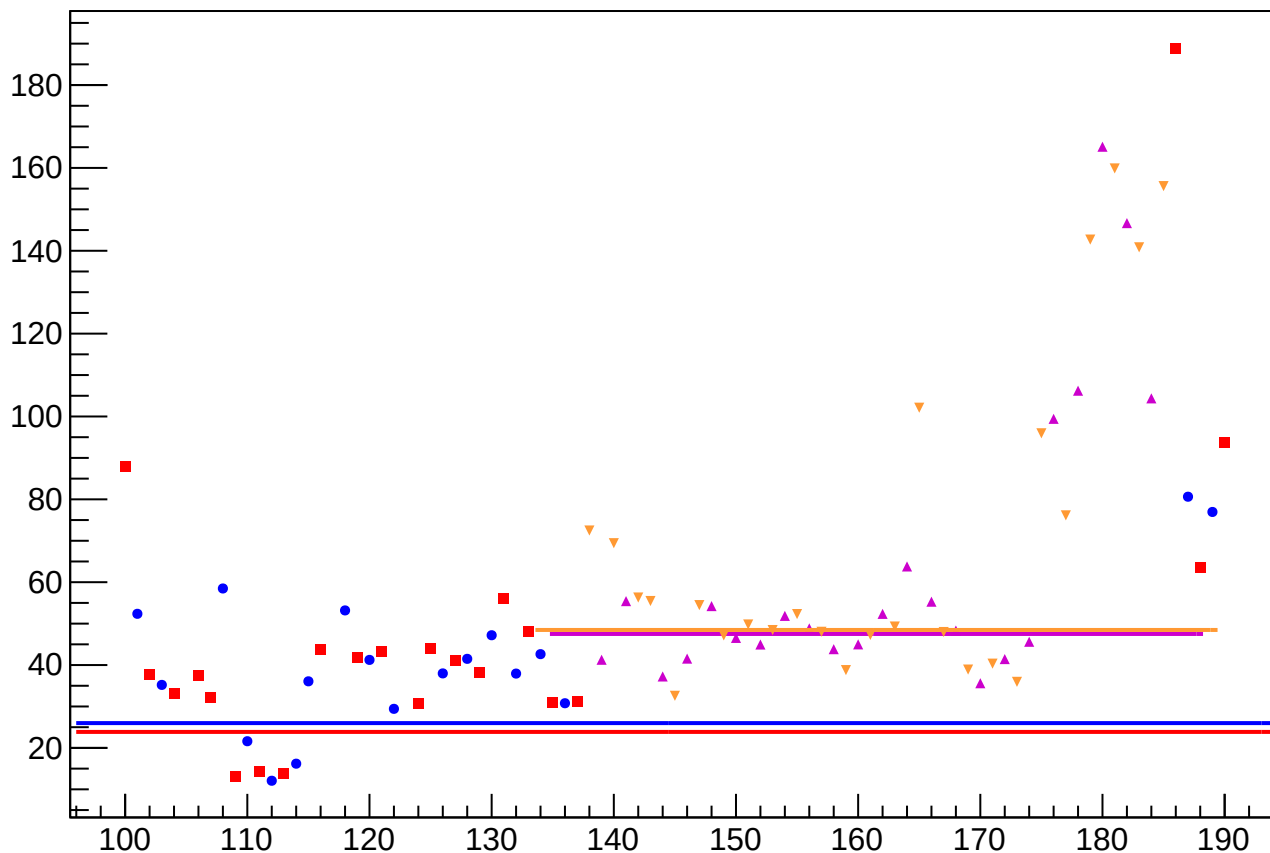
Left In: -0.007 ± 0.012 $\chi^2/\text{NDF}: 23.2/22$

+ sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 48.2/42$

All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 92.7/87$

- sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 44.1/44$

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.988 $\pm$ 0.008 χ^2 /NDF: 3489306.9/17

Left Out: 48.471 $\pm$ 0.008 χ^2 /NDF: 4373775.4/24

Right Out: 23.861 $\pm$ 0.007 χ^2 /NDF: 4831312.7/21

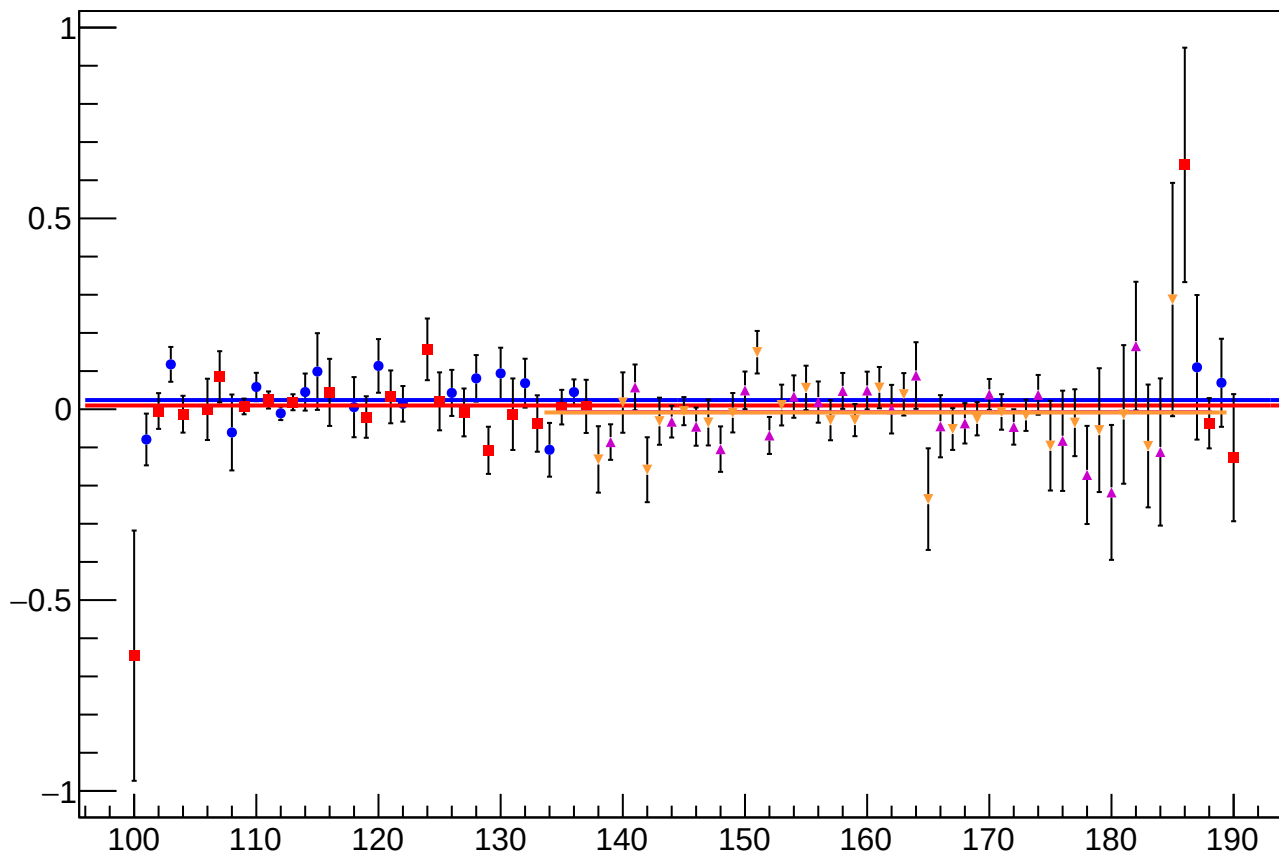
Left In: 47.505 $\pm$ 0.009 χ^2 /NDF: 3075116.0/22

+ sign 36.247 $\pm$ 0.006 χ^2 /NDF: 11675894.0/42

All: 34.582 $\pm$ 0.004 χ^2 /NDF: 24430232.9/87

- sign 33.144 $\pm$ 0.005 χ^2 /NDF: 12597386.6/44

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024 ± 0.011 $\chi^2/\text{NDF}: 21.1/17$

Left Out: -0.008 ± 0.012 $\chi^2/\text{NDF}: 23.2/24$

Right Out: 0.010 ± 0.010 $\chi^2/\text{NDF}: 19.6/21$

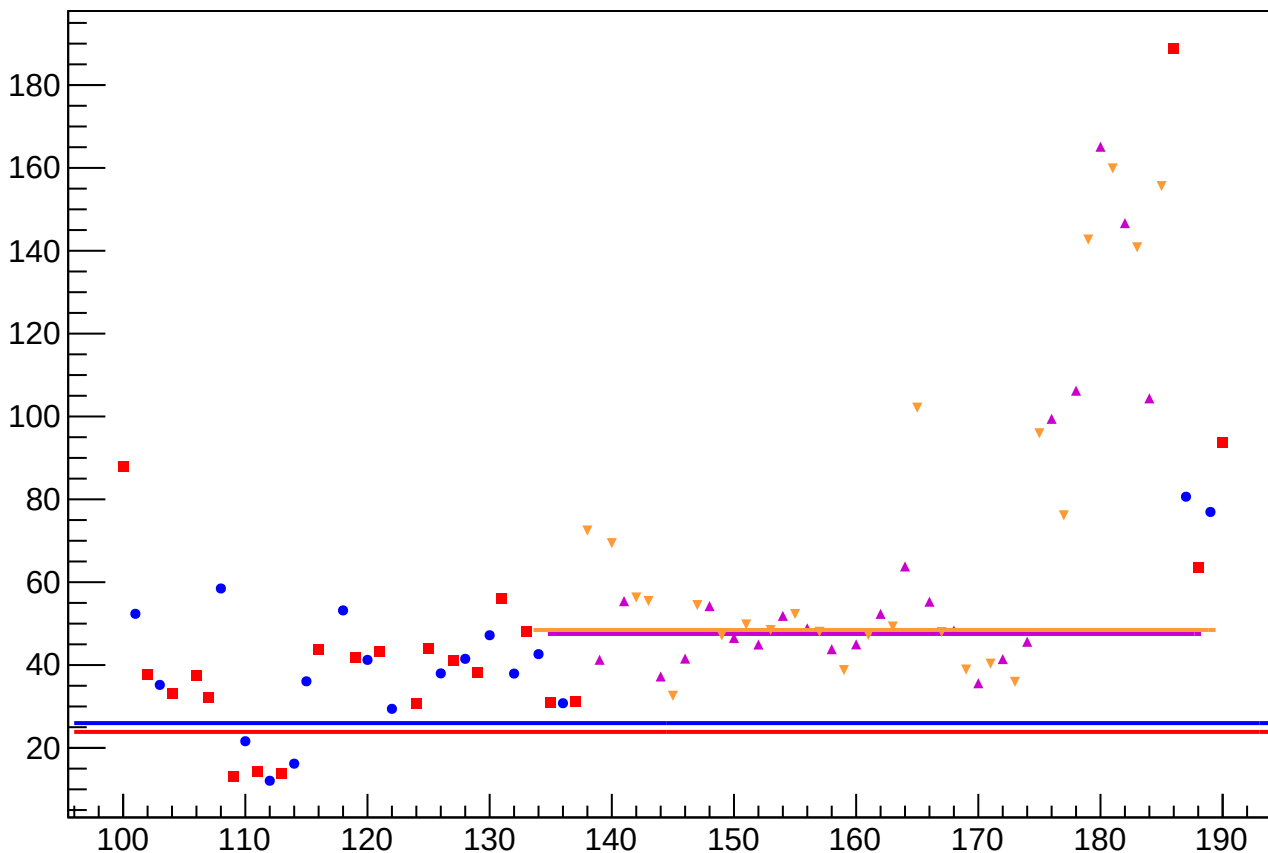
Left In: -0.007 ± 0.012 $\chi^2/\text{NDF}: 23.2/22$

+ sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 48.2/42$

All: 0.006 ± 0.006 $\chi^2/\text{NDF}: 92.7/87$

- sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 44.1/44$

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.988 $\pm$ 0.008 χ^2 /NDF: 3489306.9/17

Left Out: 48.471 $\pm$ 0.008 χ^2 /NDF: 4373775.4/24

Right Out: 23.861 $\pm$ 0.007 χ^2 /NDF: 4831312.7/21

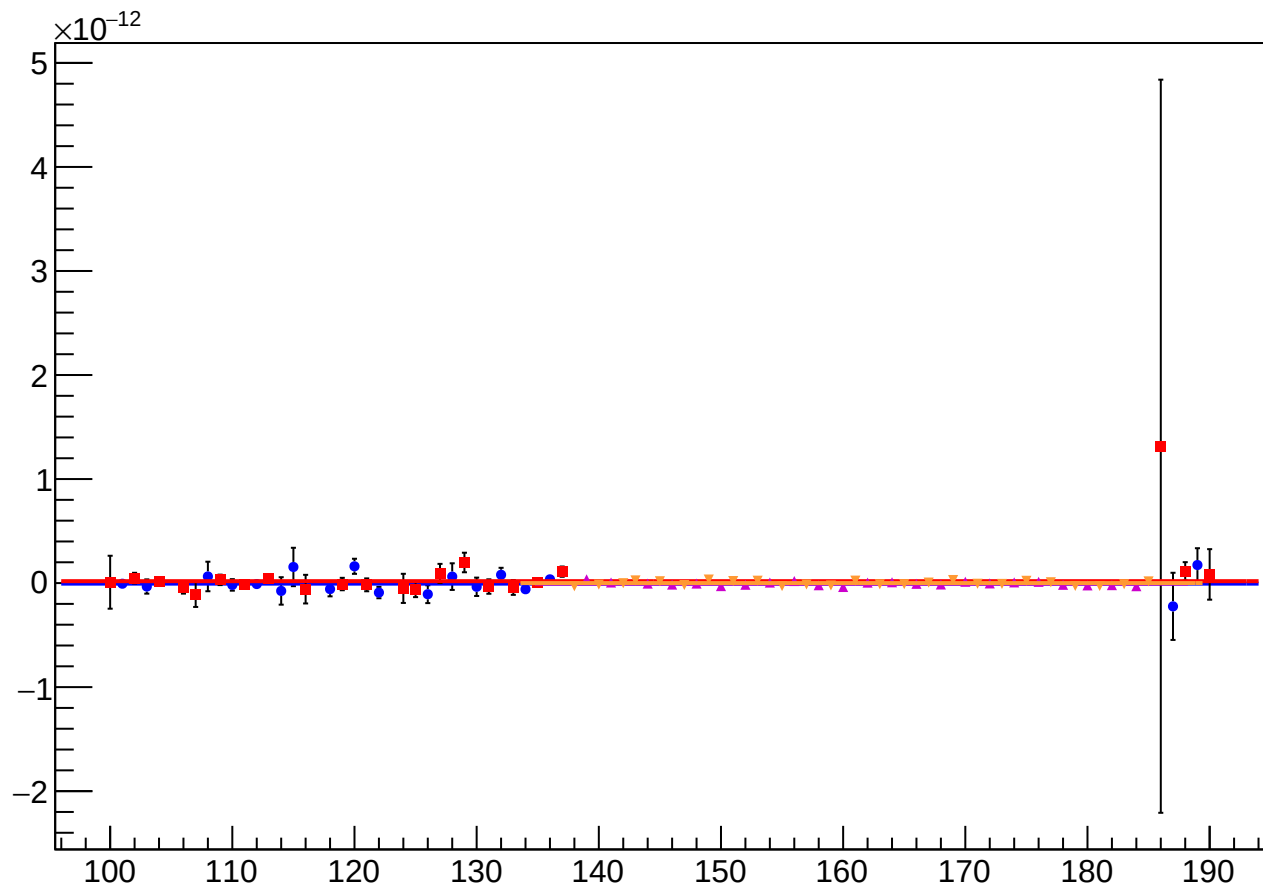
Left In: 47.505 $\pm$ 0.009 χ^2 /NDF: 3075116.0/22

+ sign 36.247 $\pm$ 0.006 χ^2 /NDF: 11675894.0/42

All: 34.582 $\pm$ 0.004 χ^2 /NDF: 24430232.9/87

- sign 33.144 $\pm$ 0.005 χ^2 /NDF: 12597386.6/44

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 20.5/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 31.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 16.4/21

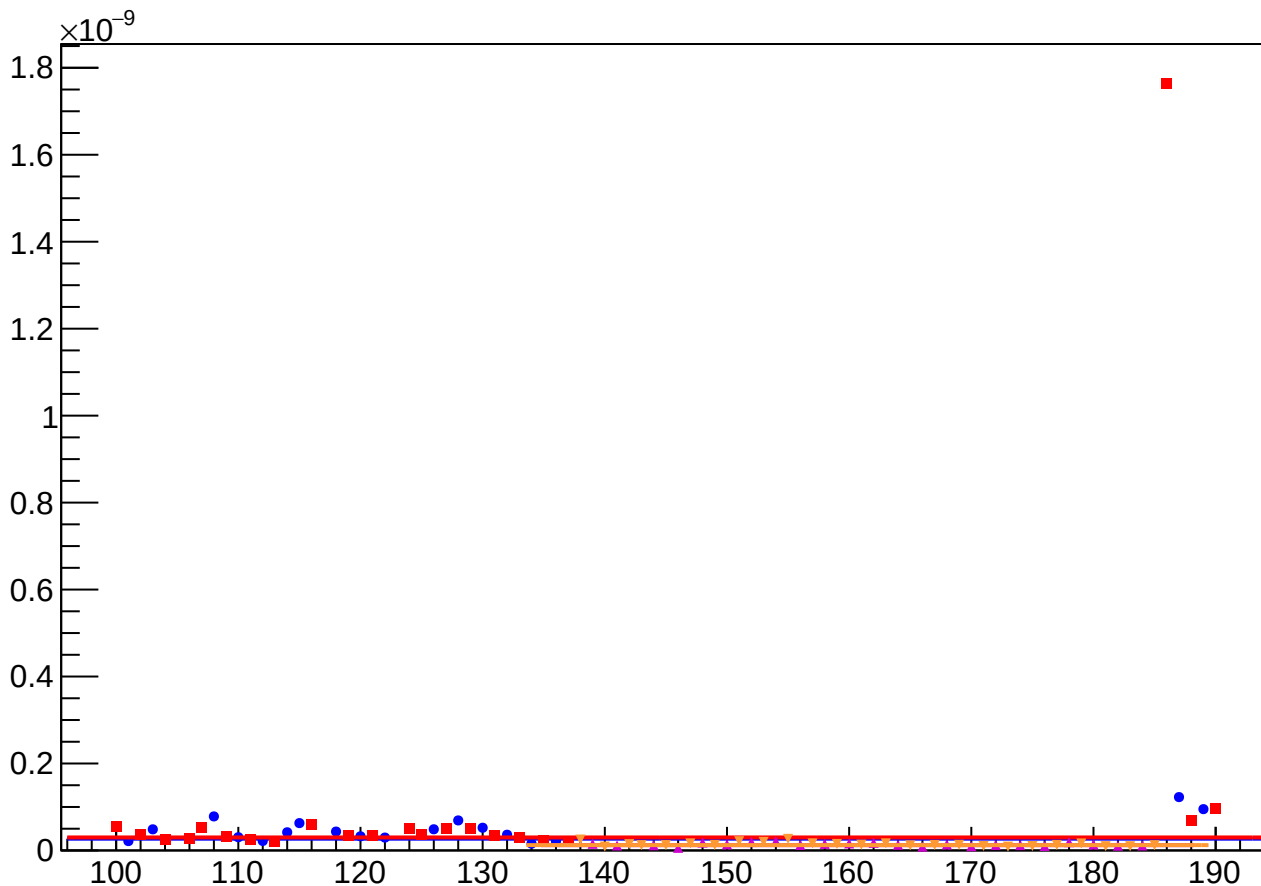
Left In: -0.000 ± 0.000 χ^2/NDF : 19.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 52.0/42

All: -0.000 ± 0.000 χ^2/NDF : 91.1/87

- sign -0.000 ± 0.000 χ^2/NDF : 38.6/44

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2226303.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1915201.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 1939604.9/21

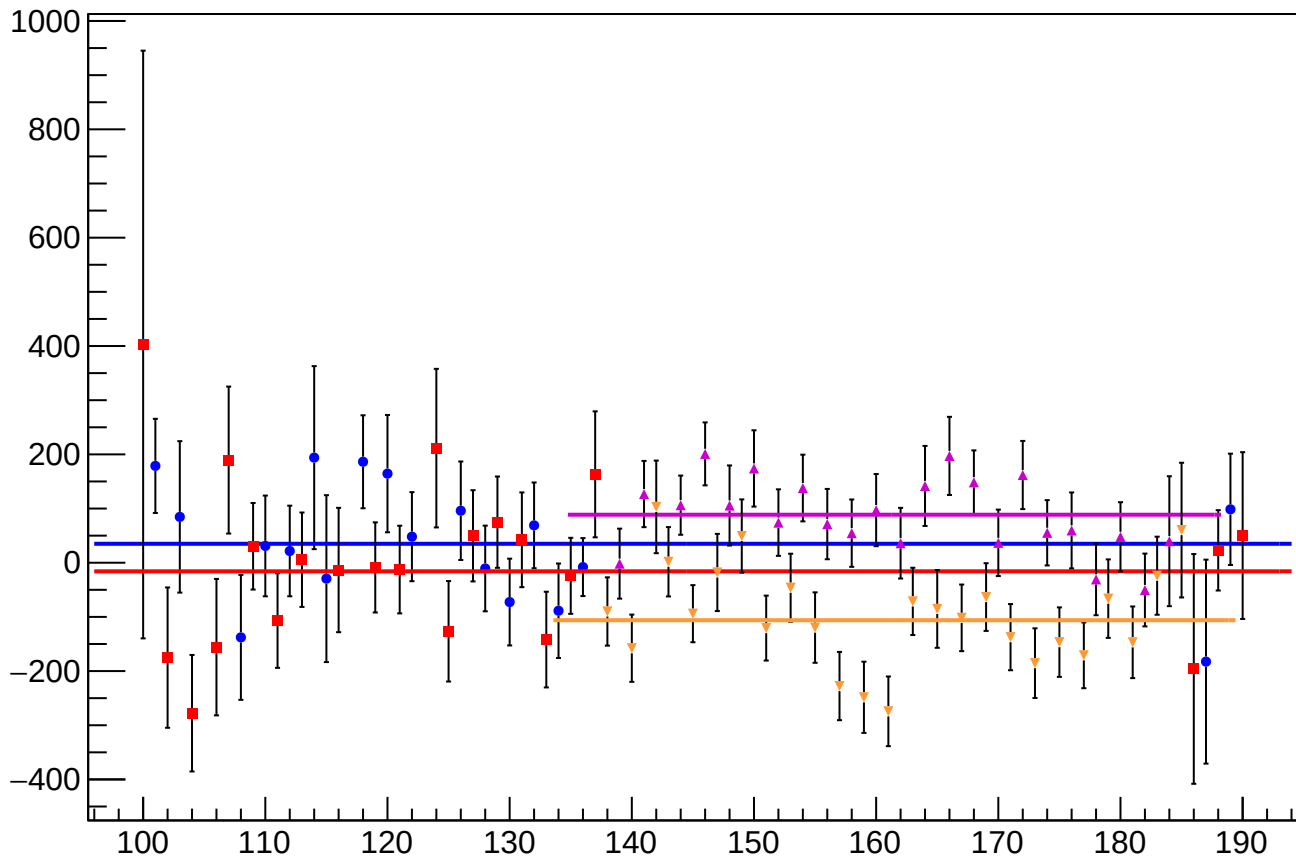
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1925839.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6693920.6/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13935621.5/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7240012.6/44

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 34.965 ± 21.496 χ^2/NDF : 17.9/17

Left Out: -106.100 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -15.841 ± 20.911 χ^2/NDF : 24.7/21

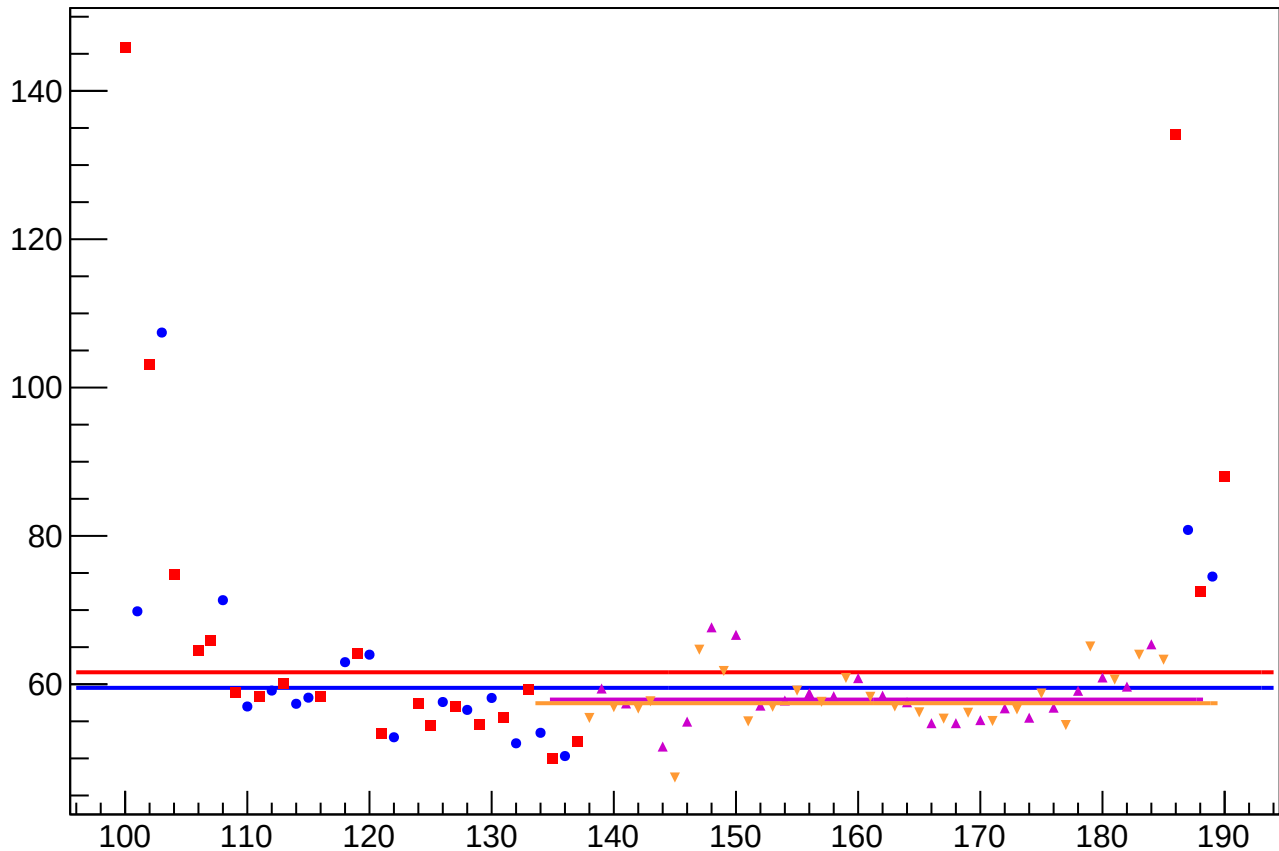
Left In: 88.619 ± 13.566 χ^2/NDF : 23.9/22

+ sign -67.945 ± 11.180 χ^2/NDF : 90.0/42

All: -6.255 ± 7.975 χ^2/NDF : 218.2/87

- sign 57.677 ± 11.381 χ^2/NDF : 66.2/44

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 59.513+/-0.015 χ^2/NDF : 465005.1/17

Left Out: 57.440+/-0.009 χ^2/NDF : 174555.9/24

Right Out: 61.612+/-0.015 χ^2/NDF : 764415.2/21

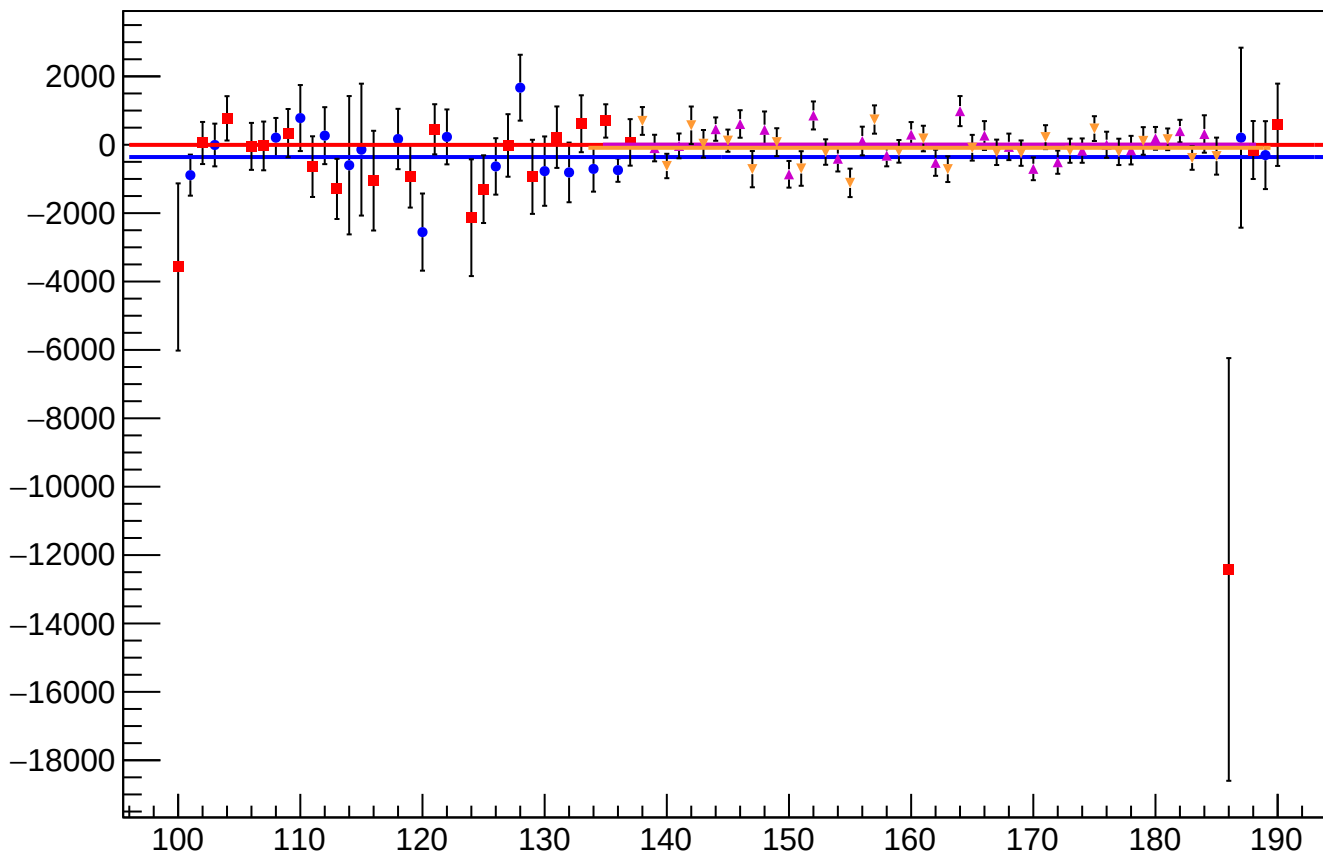
Left In: 57.933+/-0.010 χ^2/NDF : 135903.0/22

+ sign 58.001+/-0.008 χ^2/NDF : 653122.0/42

All: 58.503+/-0.006 χ^2/NDF : 1605220.3/87

- sign 59.023+/-0.008 χ^2/NDF : 943893.9/44

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -359.550 $\pm$ 177.284 χ^2/NDF : 15.3/17

Left Out: -89.059 $\pm$ 77.011 χ^2/NDF : 29.9/24

Right Out: -3.731 $\pm$ 176.943 χ^2/NDF : 19.4/21

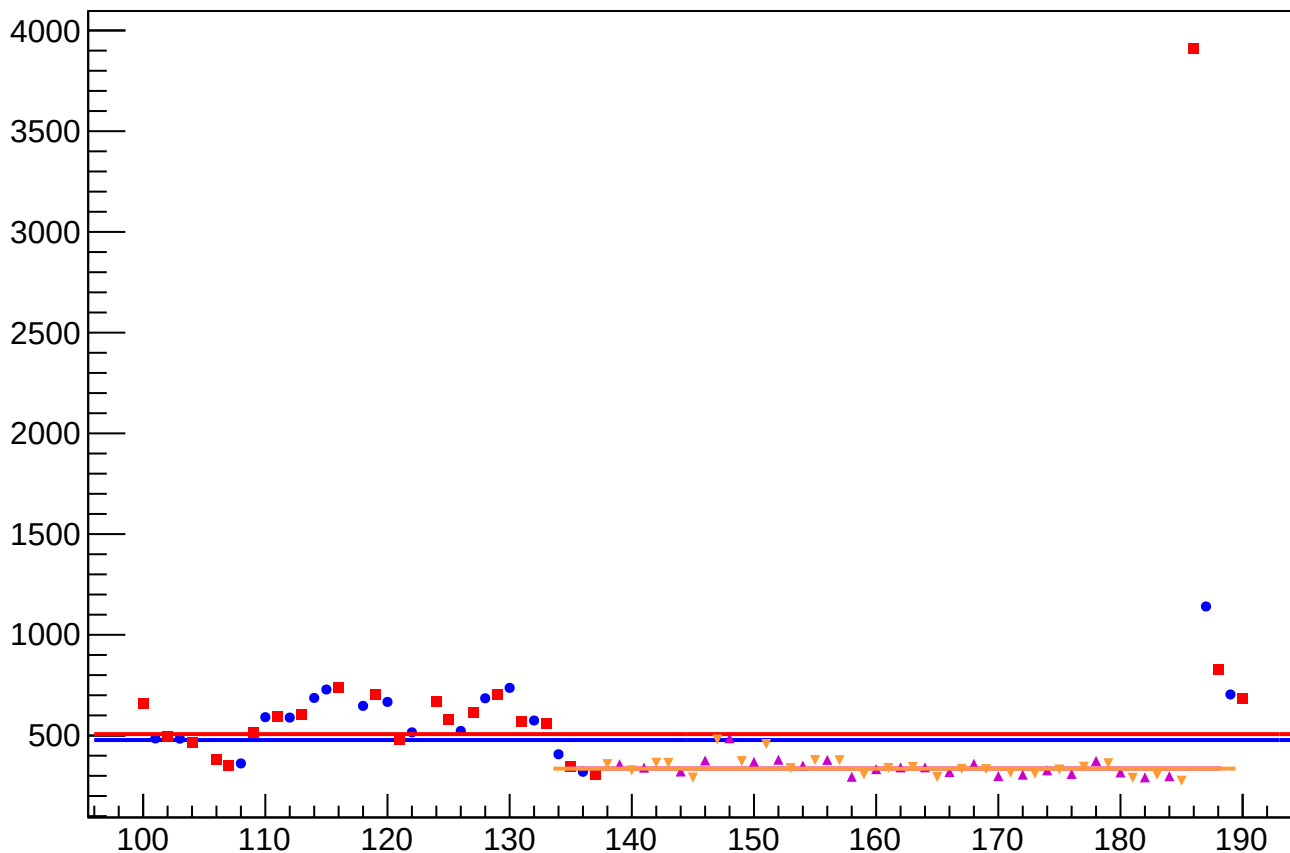
Left In: 3.046 $\pm$ 79.193 χ^2/NDF : 33.6/22

+ sign -131.997 $\pm$ 70.635 χ^2/NDF : 47.1/42

All: -66.586 $\pm$ 50.519 χ^2/NDF : 101.9/87

- sign 1.915 $\pm$ 72.284 χ^2/NDF : 53.0/44

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 477.671 $\pm$ 0.125 χ^2 /NDF: 1267911.0/17

Left Out: 335.894 $\pm$ 0.054 χ^2 /NDF: 533835.0/24

Right Out: 507.084 $\pm$ 0.125 χ^2 /NDF: 1840978.5/21

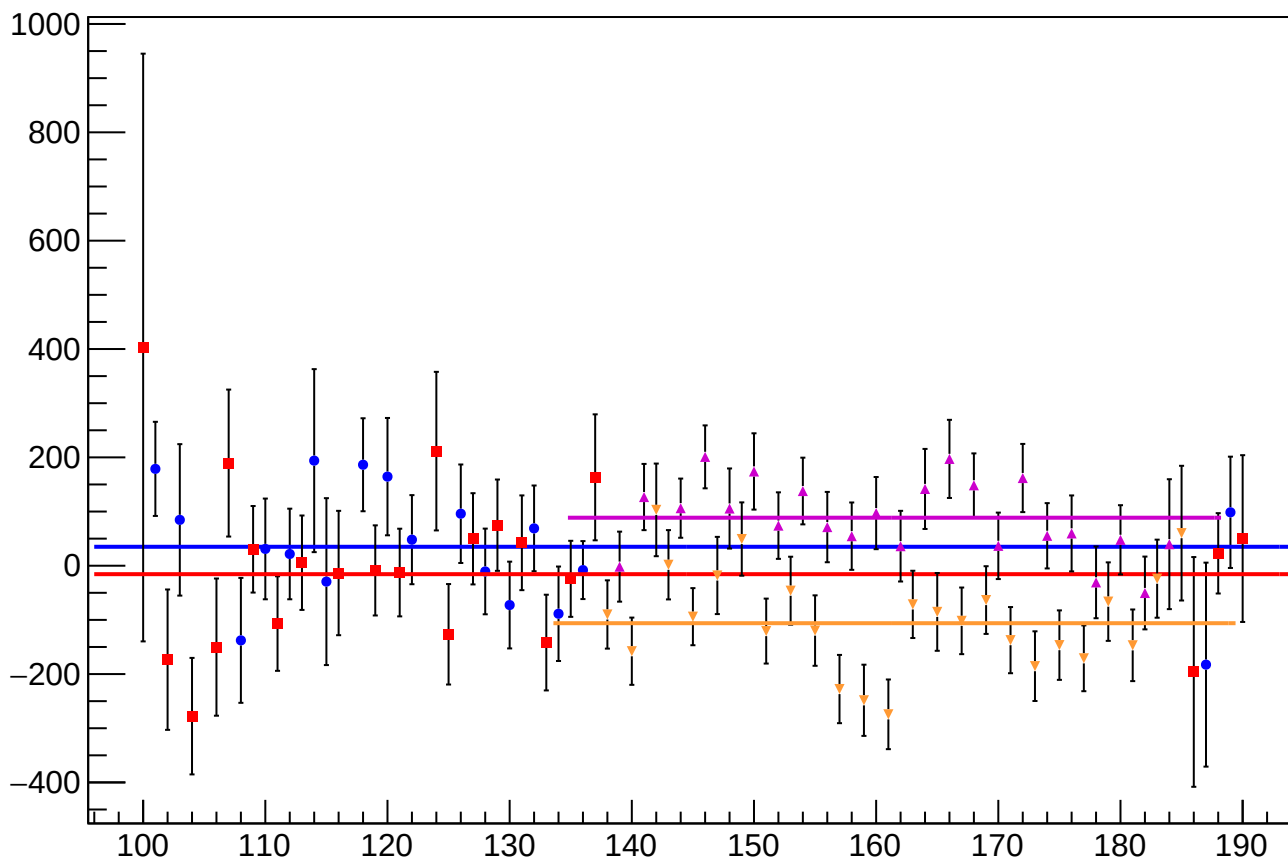
Left In: 336.343 $\pm$ 0.056 χ^2 /NDF: 414202.1/22

+ sign 358.400 $\pm$ 0.050 χ^2 /NDF: 2877788.7/42

All: 361.544 $\pm$ 0.036 χ^2 /NDF: 6692541.2/87

- sign 364.837 $\pm$ 0.051 χ^2 /NDF: 3806640.8/44

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 34.964 ± 21.496 χ^2/NDF : 17.9/17

Left Out: -106.099 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -15.595 ± 20.914 χ^2/NDF : 24.6/21

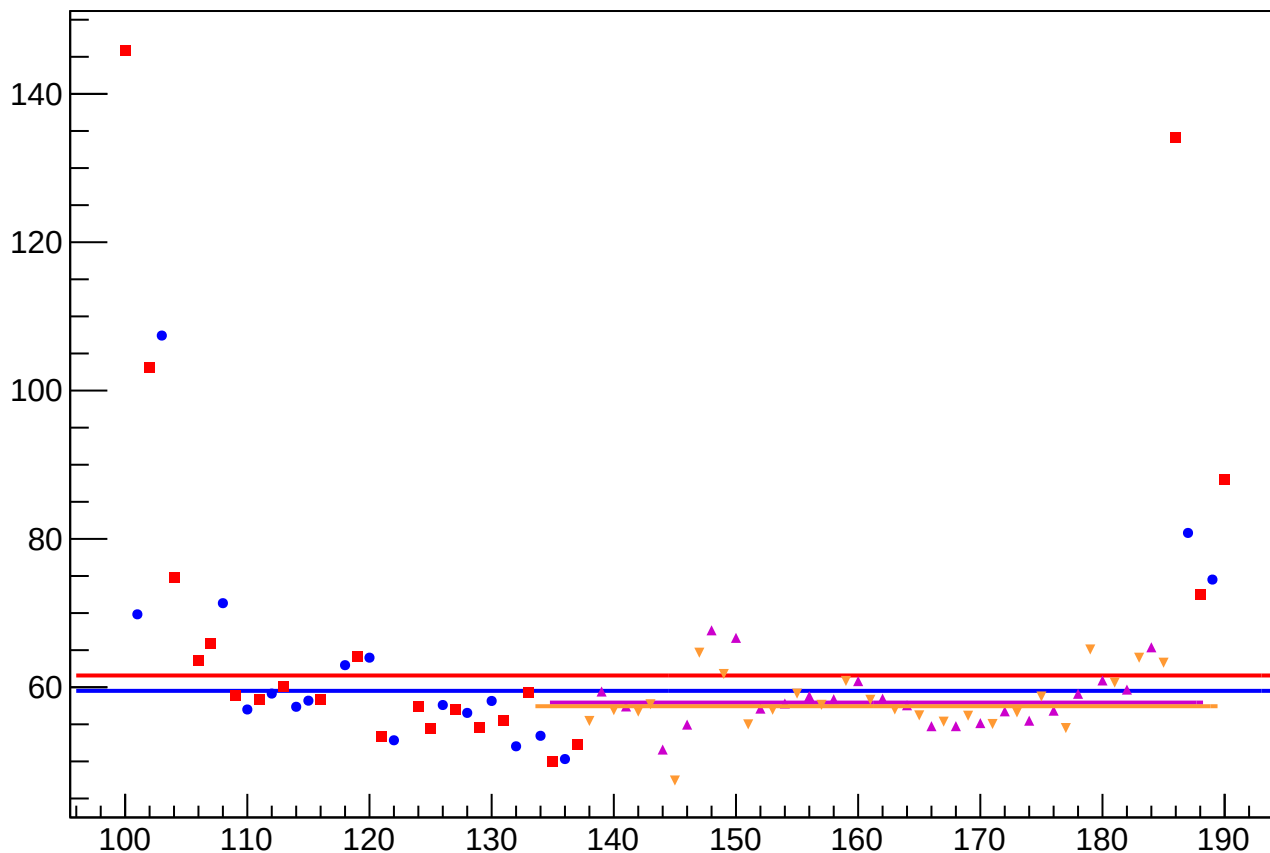
Left In: 88.621 ± 13.566 χ^2/NDF : 23.9/22

+ sign -67.945 ± 11.180 χ^2/NDF : 90.0/42

All: -6.218 ± 7.976 χ^2/NDF : 218.0/87

- sign 57.758 ± 11.381 χ^2/NDF : 65.9/44

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 59.513 ± 0.015 $\chi^2/\text{NDF}: 465007.1/17$

Left Out: 57.440 ± 0.009 $\chi^2/\text{NDF}: 174555.9/24$

Right Out: 61.584 ± 0.015 $\chi^2/\text{NDF}: 764013.0/21$

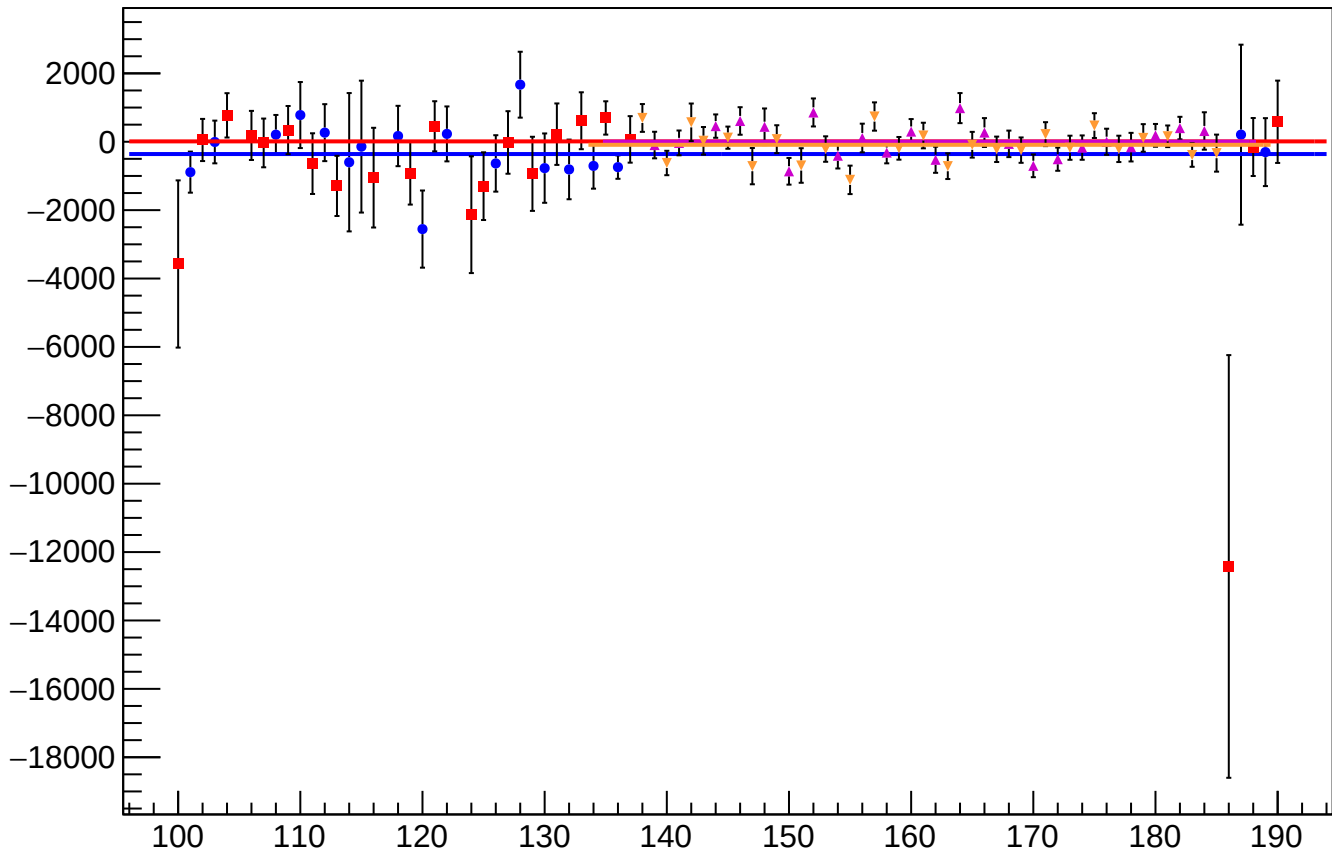
Left In: 57.933 ± 0.010 $\chi^2/\text{NDF}: 135903.0/22$

+ sign 58.001 ± 0.008 $\chi^2/\text{NDF}: 653124.1/42$

All: 58.498 ± 0.006 $\chi^2/\text{NDF}: 1604022.4/87$

- sign 59.014 ± 0.008 $\chi^2/\text{NDF}: 942829.3/44$

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -359.514 ± 177.285 χ^2/NDF : 15.3/17

Left Out: -89.061 ± 77.011 χ^2/NDF : 29.9/24

Right Out: 10.732 ± 177.453 χ^2/NDF : 19.4/21

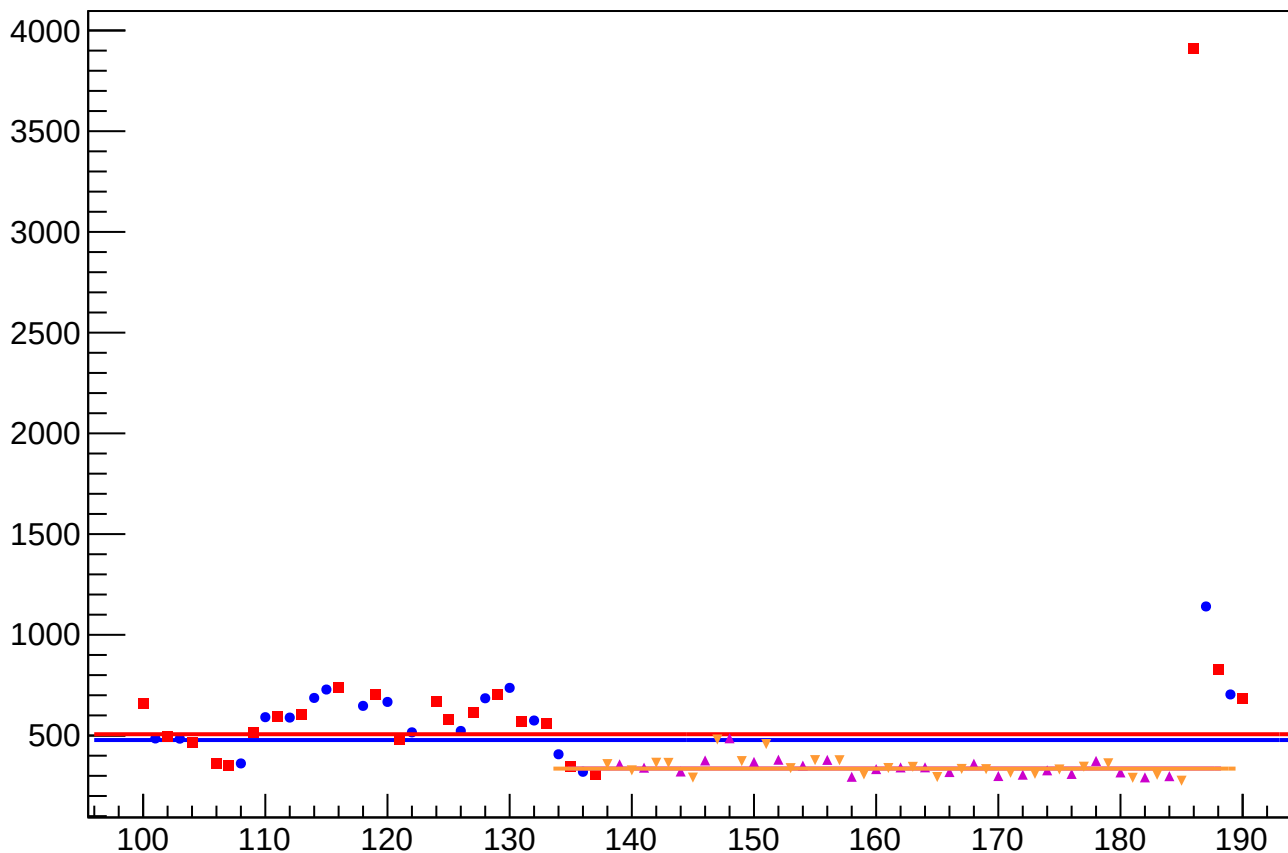
Left In: 3.047 ± 79.193 χ^2/NDF : 33.6/22

+ sign -131.993 ± 70.635 χ^2/NDF : 47.1/42

All: -65.440 ± 50.531 χ^2/NDF : 102.0/87

- sign 4.324 ± 72.318 χ^2/NDF : 53.0/44

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 477.674 $\pm$ 0.125 χ^2 /NDF: 1267910.4/17

Left Out: 335.894 $\pm$ 0.054 χ^2 /NDF: 533835.9/24

Right Out: 506.550 $\pm$ 0.125 χ^2 /NDF: 1857361.7/21

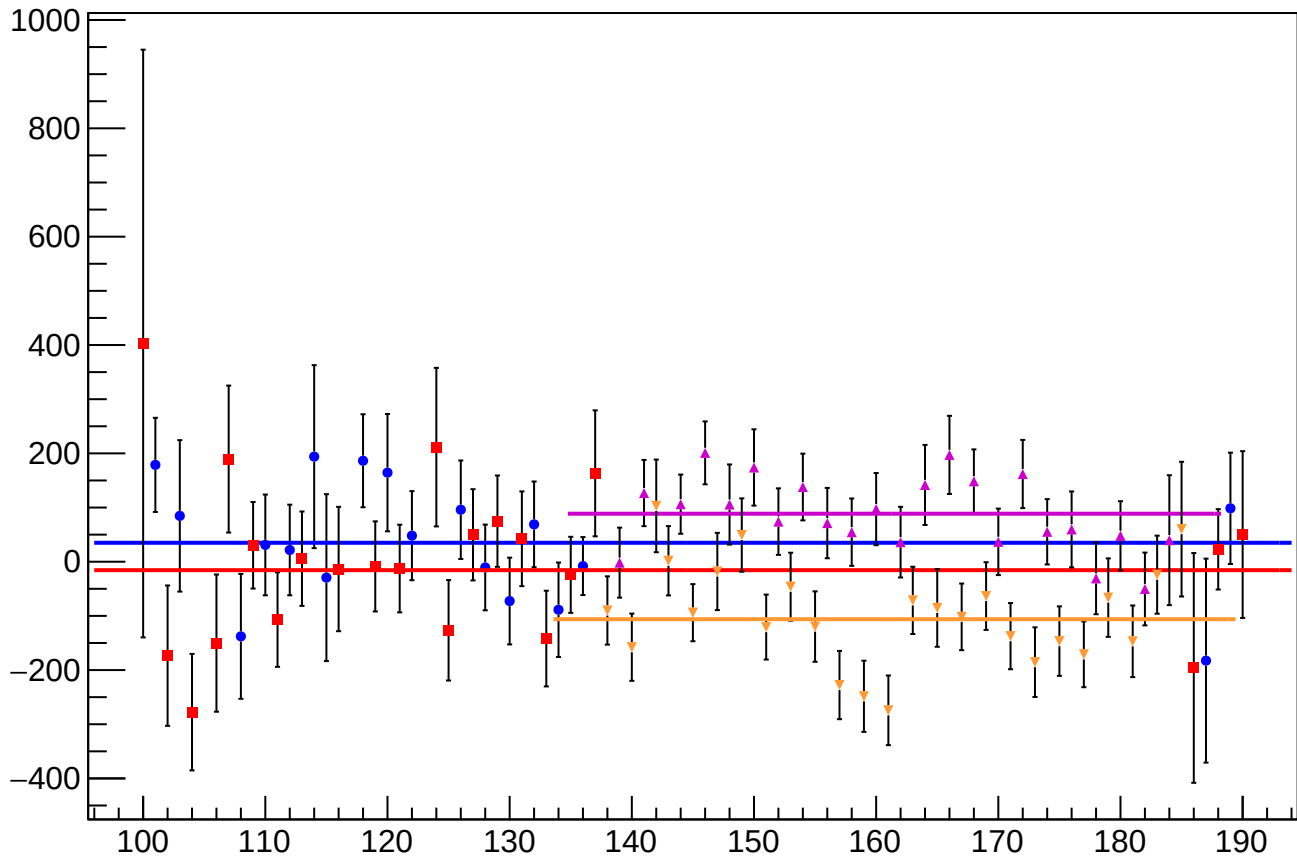
Left In: 336.343 $\pm$ 0.056 χ^2 /NDF: 414205.9/22

+ sign 358.401 $\pm$ 0.050 χ^2 /NDF: 2877818.0/42

All: 361.433 $\pm$ 0.036 χ^2 /NDF: 6691338.3/87

- sign 364.612 $\pm$ 0.051 χ^2 /NDF: 3805970.0/44

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 34.964 ± 21.496 χ^2/NDF : 17.9/17

Left Out: -106.099 ± 13.089 χ^2/NDF : 40.7/24

Right Out: -15.595 ± 20.914 χ^2/NDF : 24.6/21

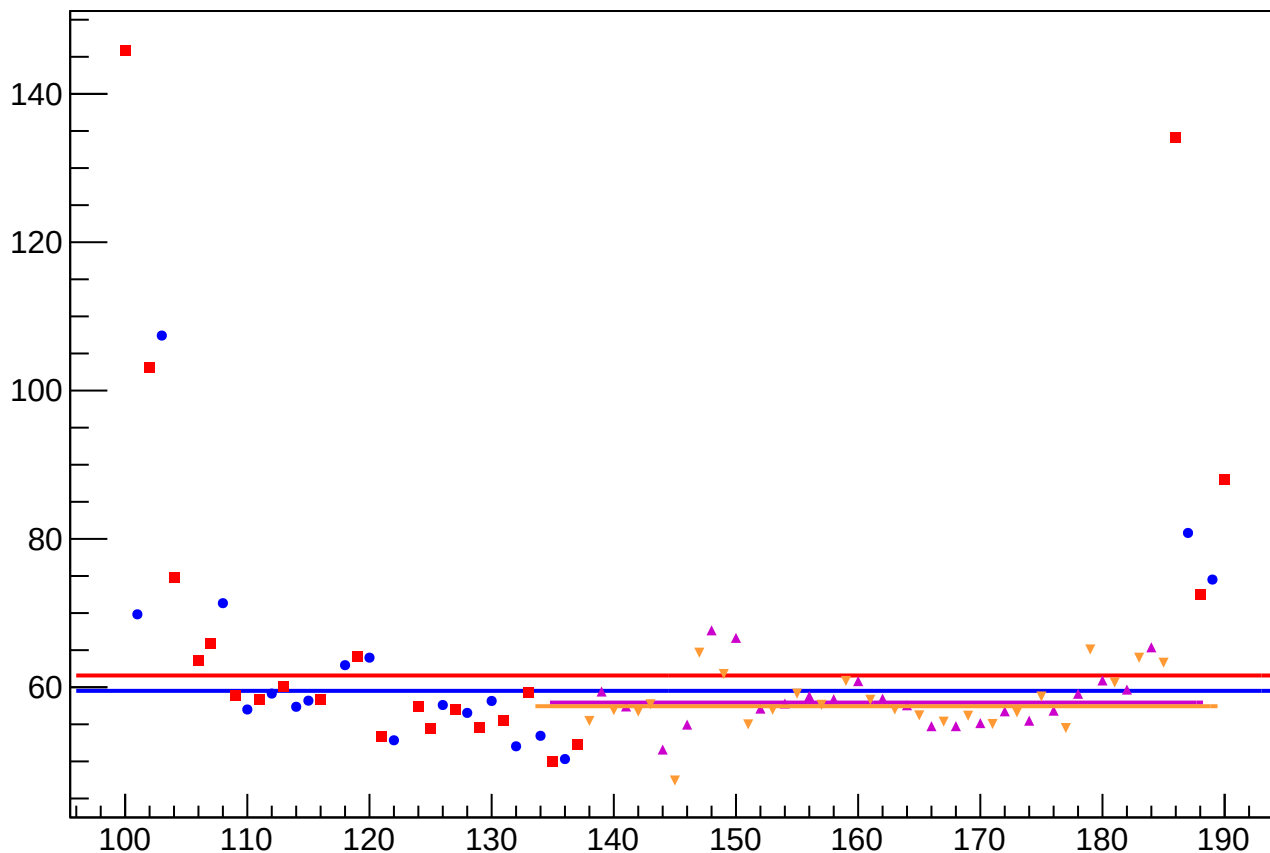
Left In: 88.621 ± 13.566 χ^2/NDF : 23.9/22

+ sign -67.945 ± 11.180 χ^2/NDF : 90.0/42

All: -6.218 ± 7.976 χ^2/NDF : 218.0/87

- sign 57.758 ± 11.381 χ^2/NDF : 65.9/44

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 59.513 ± 0.015 χ^2/NDF : 465007.1/17

Left Out: 57.440 ± 0.009 χ^2/NDF : 174555.9/24

Right Out: 61.584 ± 0.015 χ^2/NDF : 764013.0/21

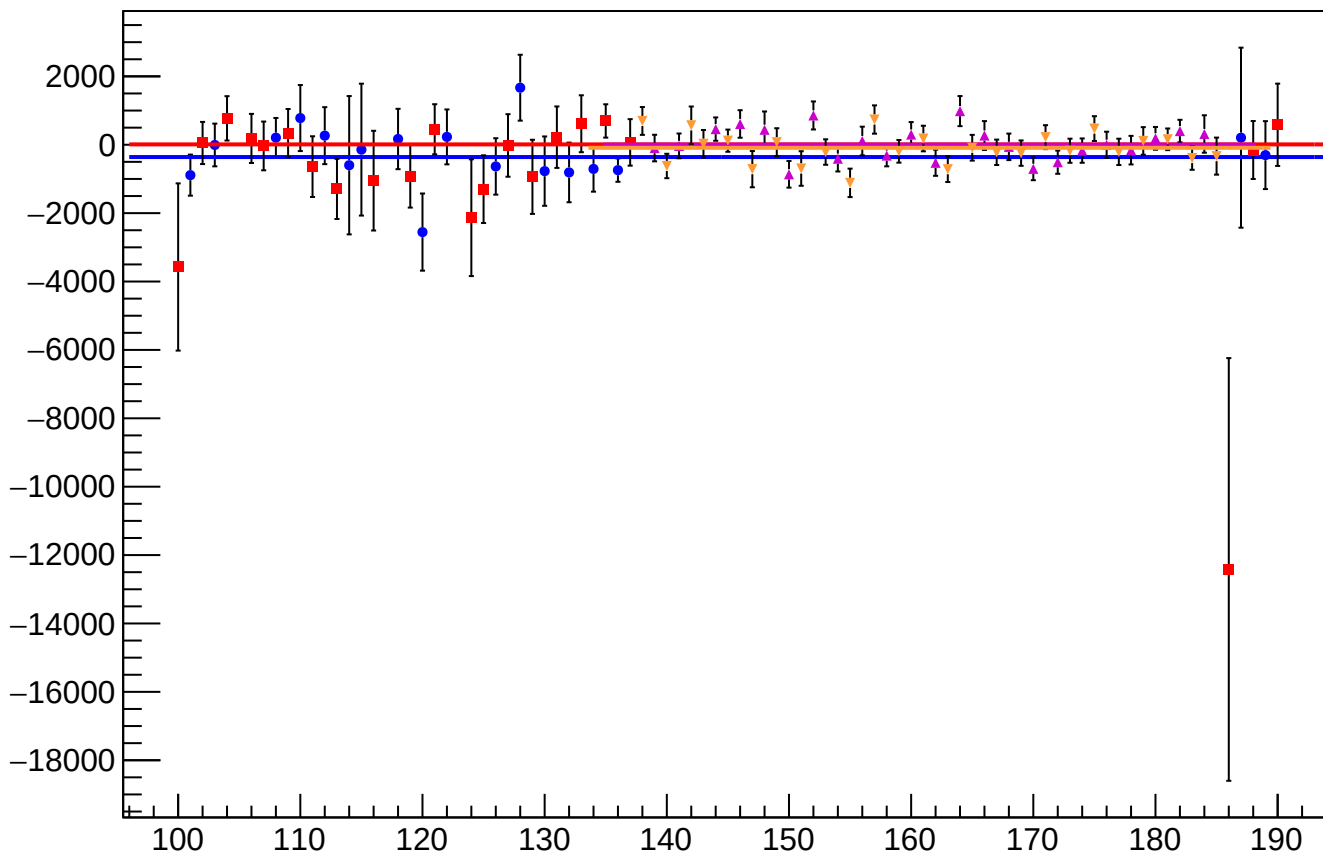
Left In: 57.933 ± 0.010 χ^2/NDF : 135903.0/22

+ sign 58.001 ± 0.008 χ^2/NDF : 653124.1/42

All: 58.498 ± 0.006 χ^2/NDF : 1604022.4/87

- sign 59.014 ± 0.008 χ^2/NDF : 942829.3/44

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug



Right In: -359.514 ± 177.285 χ^2/NDF : 15.3/17

Left Out: -89.061 ± 77.011 χ^2/NDF : 29.9/24

Right Out: 10.732 ± 177.453 χ^2/NDF : 19.4/21

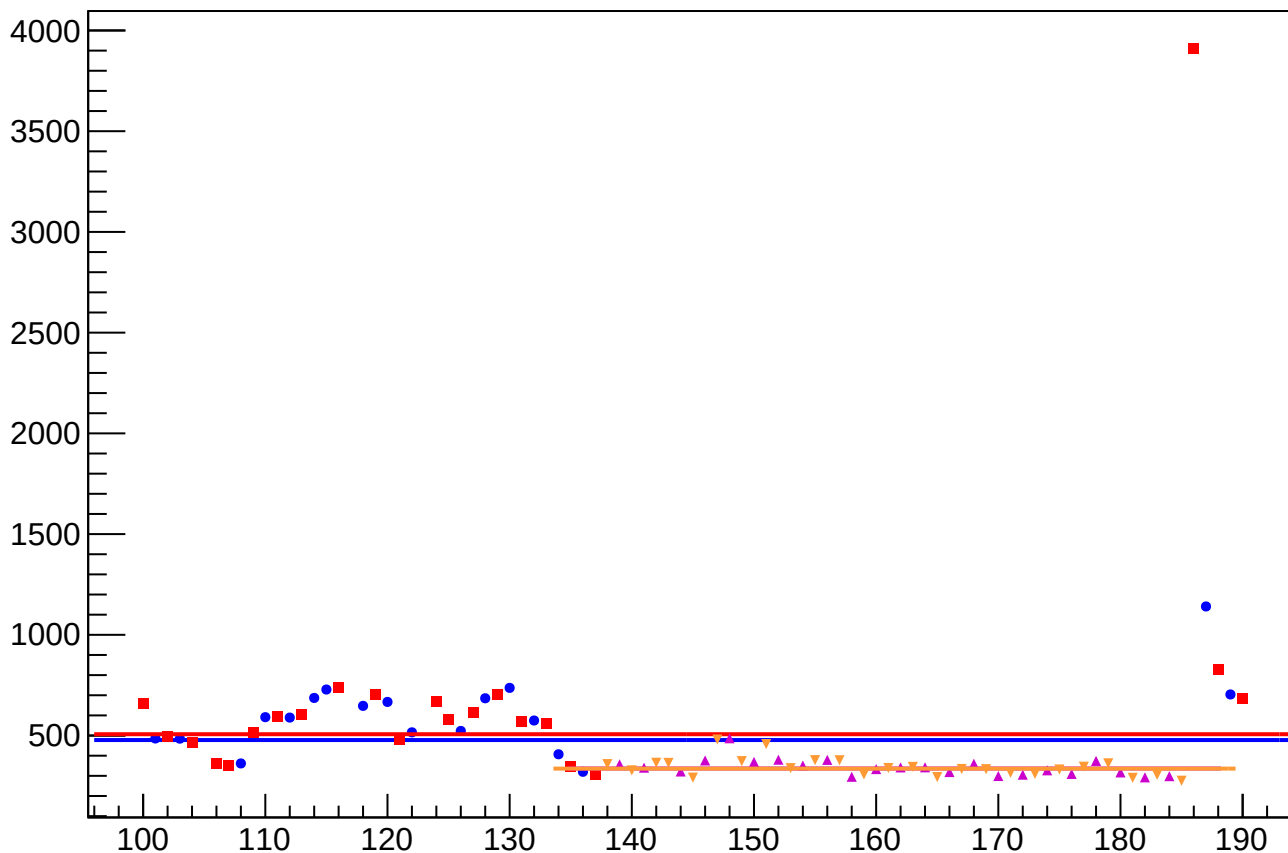
Left In: 3.047 ± 79.193 χ^2/NDF : 33.6/22

+ sign -131.993 ± 70.635 χ^2/NDF : 47.1/42

All: -65.440 ± 50.531 χ^2/NDF : 102.0/87

- sign 4.324 ± 72.318 χ^2/NDF : 53.0/44

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 477.674+/-0.125 χ^2/NDF : 1267910.4/17

Left Out: 335.894+/-0.054 χ^2/NDF : 533835.9/24

Right Out: 506.550+/-0.125 χ^2/NDF : 1857361.7/21

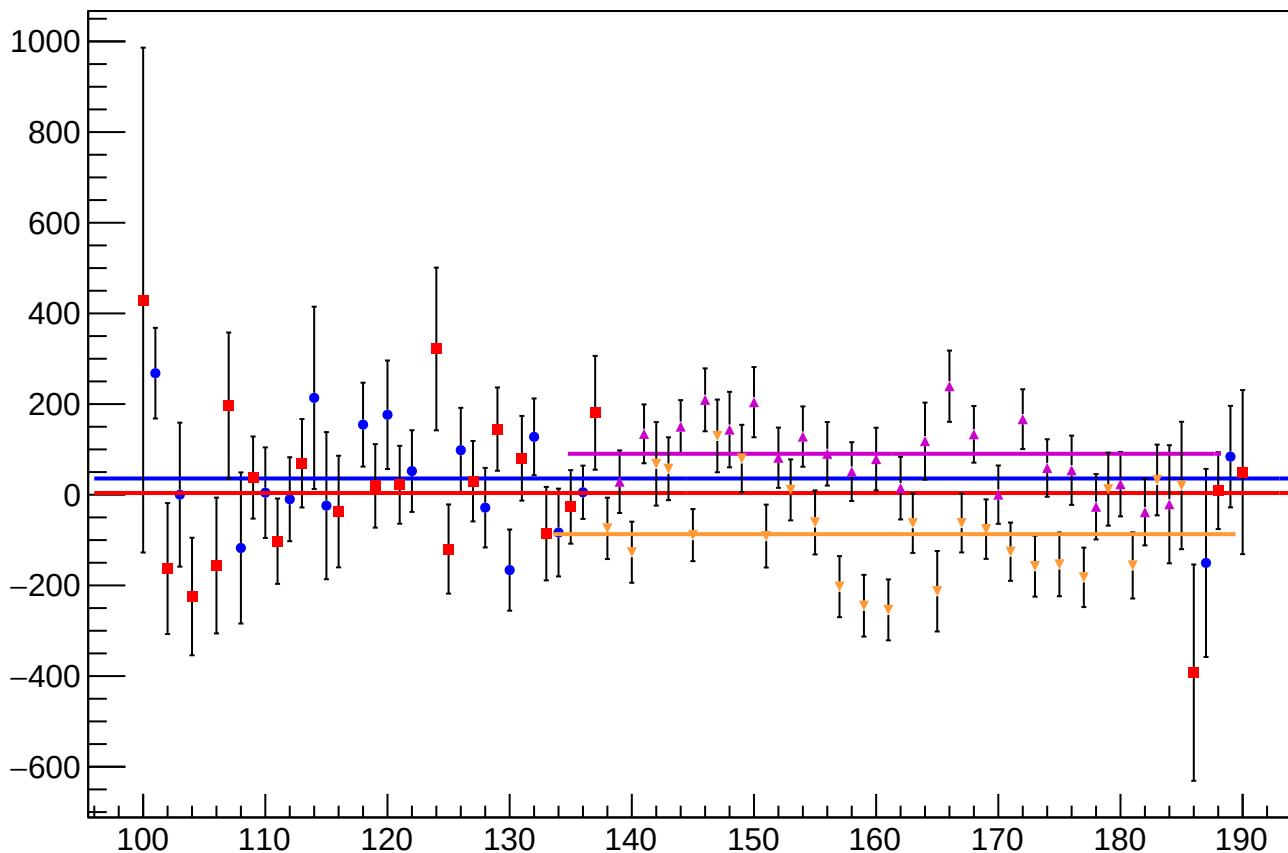
Left In: 336.343+/-0.056 χ^2/NDF : 414205.9/22

+ sign 358.401+/-0.050 χ^2/NDF : 2877818.0/42

All: 361.433+/-0.036 χ^2/NDF : 6691338.3/87

- sign 364.612+/-0.051 χ^2/NDF : 3805970.0/44

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 35.867 ± 23.750 χ^2/NDF : 20.6/17

Left Out: -86.957 ± 14.175 χ^2/NDF : 48.8/24

Right Out: 3.821 ± 23.285 χ^2/NDF : 23.2/21

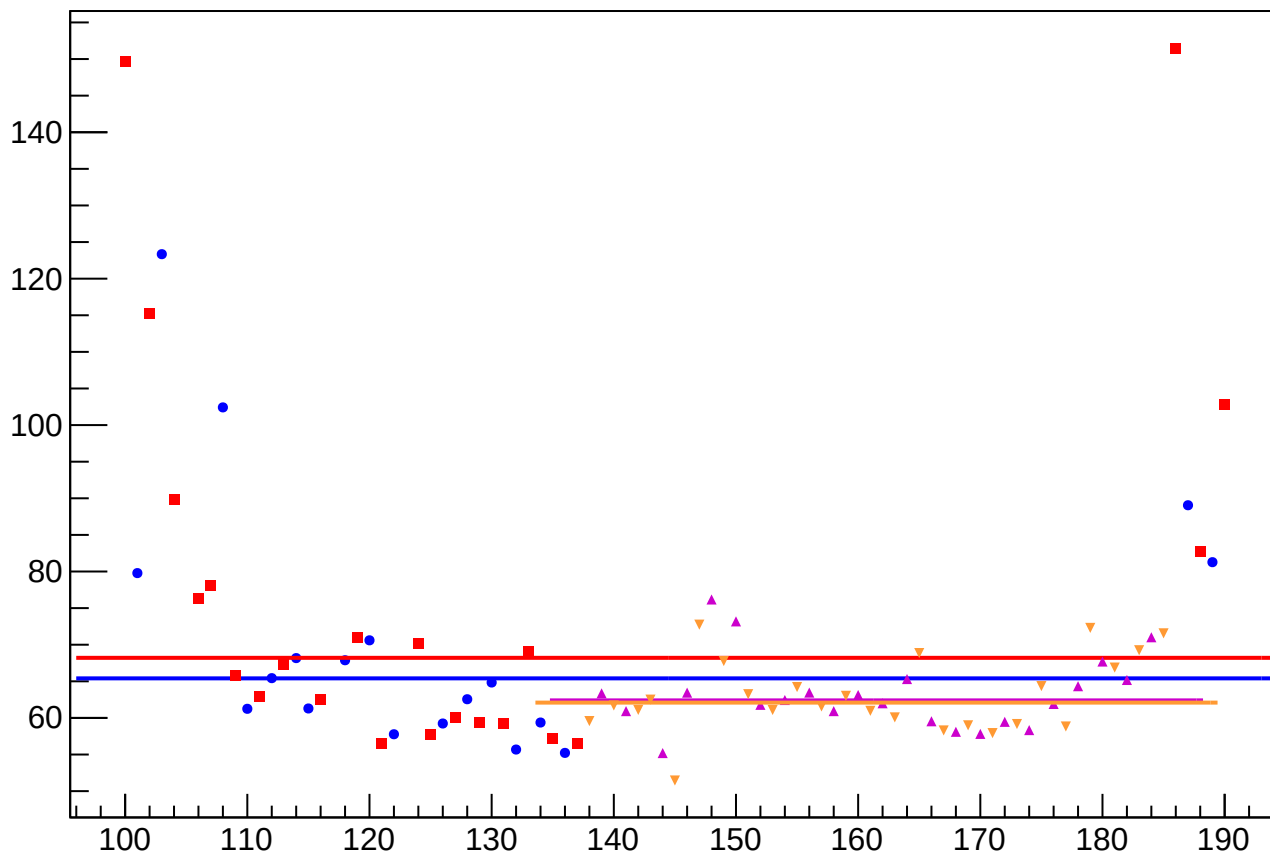
Left In: 90.363 ± 14.656 χ^2/NDF : 25.0/22

+ sign -54.697 ± 12.172 χ^2/NDF : 89.2/42

All: 4.415 ± 8.688 χ^2/NDF : 195.4/87

- sign 65.805 ± 12.404 χ^2/NDF : 58.1/44

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 65.404 ± 0.017 χ^2/NDF : 602204.8/17

Left Out: 62.093 ± 0.010 χ^2/NDF : 233343.0/24

Right Out: 68.208 ± 0.016 χ^2/NDF : 882560.0/21

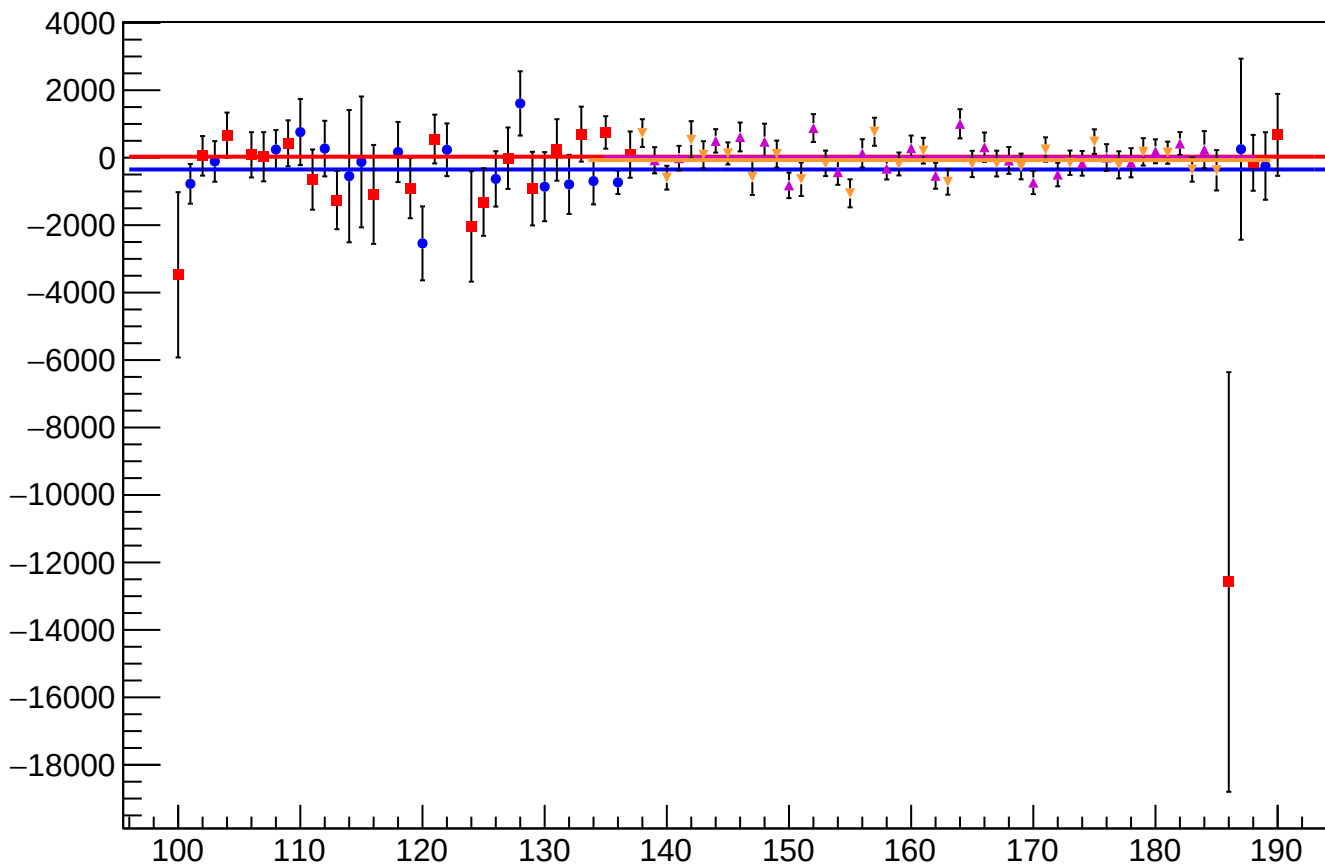
Left In: 62.395 ± 0.010 χ^2/NDF : 188814.3/22

+ sign 62.963 ± 0.009 χ^2/NDF : 864202.6/42

All: 63.494 ± 0.006 χ^2/NDF : 2032616.6/87

- sign 64.045 ± 0.009 χ^2/NDF : 1160660.2/44

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -349.485 ± 177.089 χ^2/NDF : 14.9/17

Left Out: -71.324 ± 78.399 χ^2/NDF : 28.6/24

Right Out: 28.774 ± 175.416 χ^2/NDF : 19.8/21

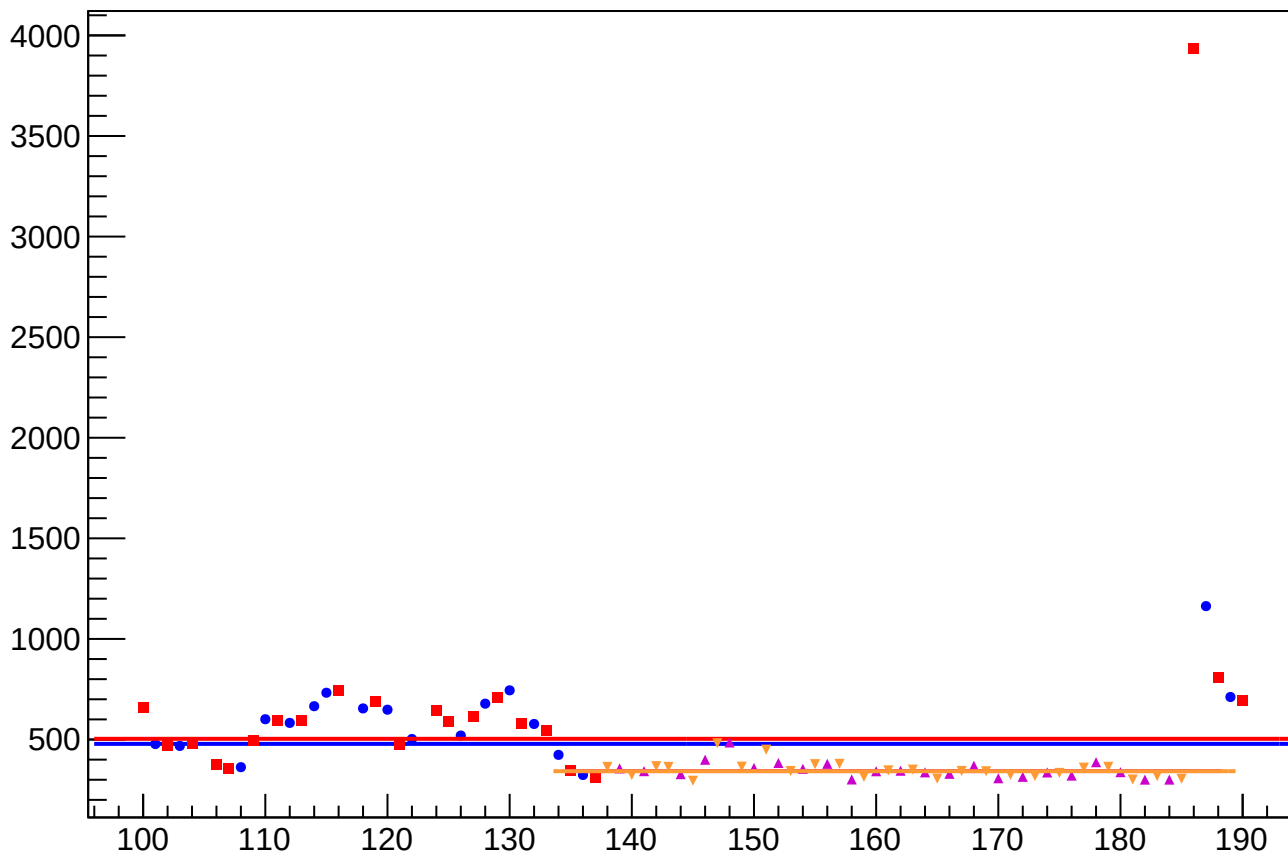
Left In: 6.134 ± 80.760 χ^2/NDF : 34.0/22

+ sign -116.908 ± 71.688 χ^2/NDF : 45.5/42

All: -54.870 ± 51.272 χ^2/NDF : 100.9/87

- sign 10.094 ± 73.359 χ^2/NDF : 53.9/44

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 478.334+/-0.125 χ^2/NDF : 1231581.2/17

Left Out: 342.502+/-0.055 χ^2/NDF : 434208.3/24

Right Out: 503.486+/-0.124 χ^2/NDF : 1813376.7/21

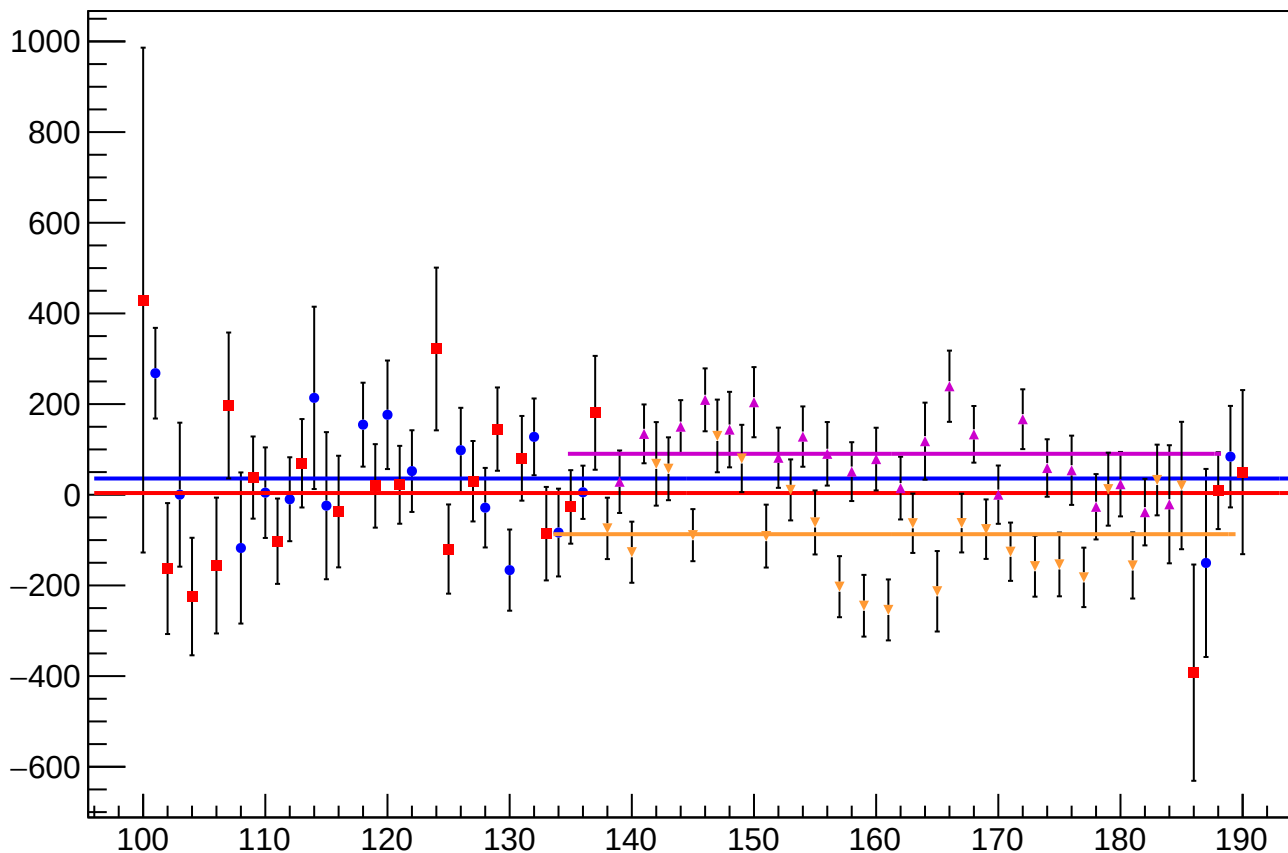
Left In: 343.245+/-0.057 χ^2/NDF : 372991.6/22

+ sign 364.762+/-0.051 χ^2/NDF : 2649619.6/42

All: 367.941+/-0.036 χ^2/NDF : 6221091.5/87

- sign 371.269+/-0.052 χ^2/NDF : 3563421.6/44

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 35.867 ± 23.750 χ^2/NDF : 20.6/17

Left Out: -86.957 ± 14.175 χ^2/NDF : 48.8/24

Right Out: 3.821 ± 23.285 χ^2/NDF : 23.2/21

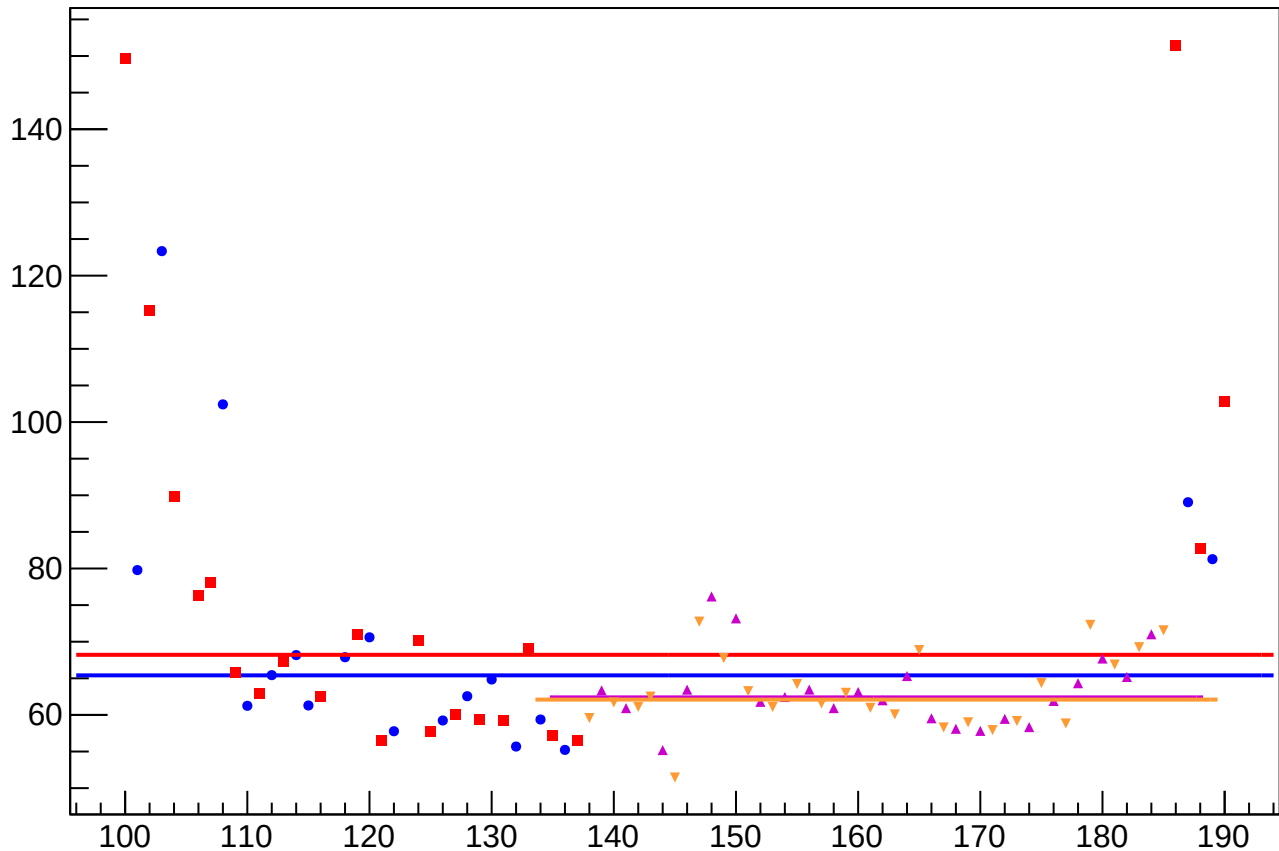
Left In: 90.363 ± 14.656 χ^2/NDF : 25.0/22

+ sign -54.697 ± 12.172 χ^2/NDF : 89.2/42

All: 4.416 ± 8.688 χ^2/NDF : 195.4/87

- sign 65.805 ± 12.404 χ^2/NDF : 58.1/44

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 65.404 $\pm$ 0.017 χ^2 /NDF: 602215.4/17

Left Out: 62.093 $\pm$ 0.010 χ^2 /NDF: 233347.2/24

Right Out: 68.208 $\pm$ 0.016 χ^2 /NDF: 882559.4/21

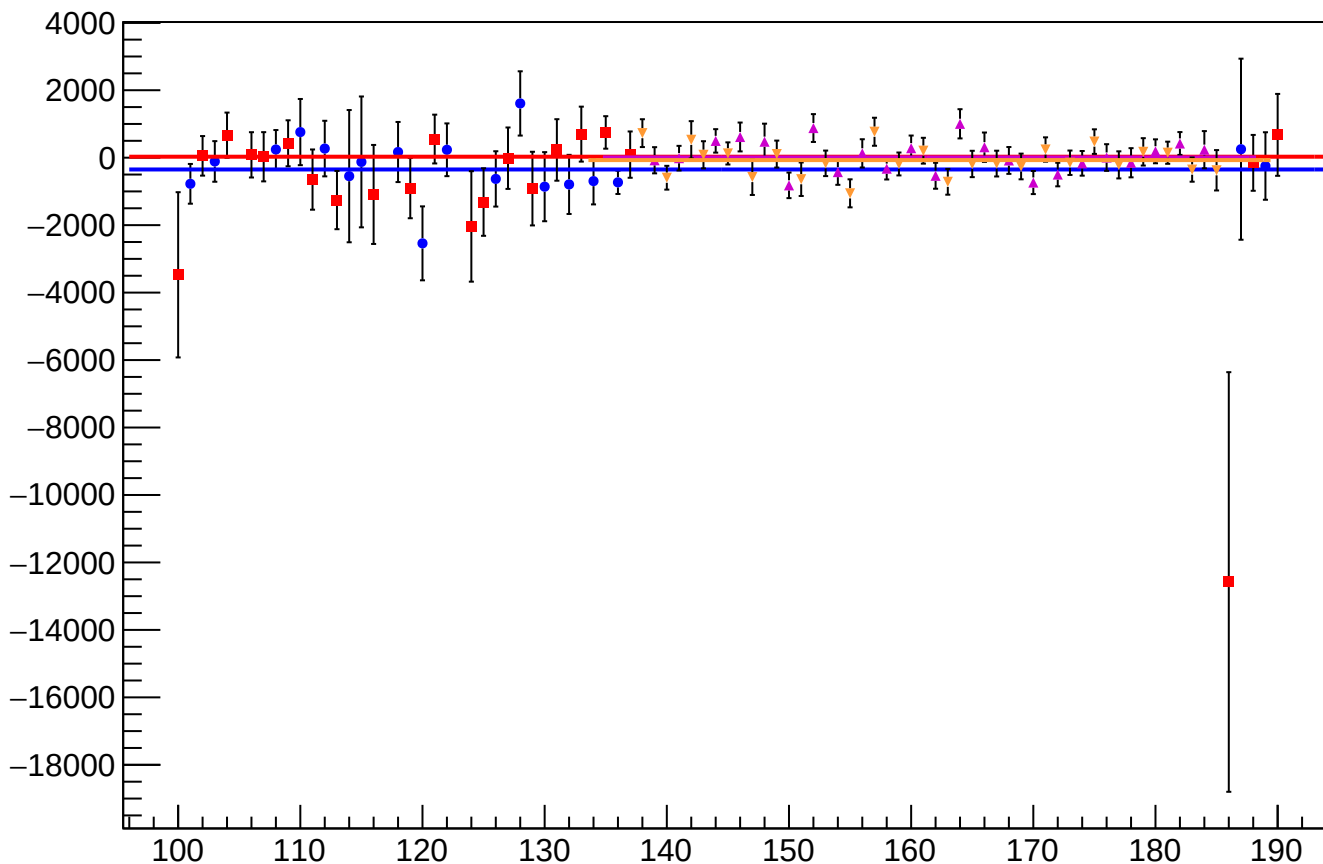
Left In: 62.395 $\pm$ 0.010 χ^2 /NDF: 188817.4/22

+ sign 62.963 $\pm$ 0.009 χ^2 /NDF: 864215.8/42

All: 63.494 $\pm$ 0.006 χ^2 /NDF: 2032629.6/87

- sign 64.045 $\pm$ 0.009 χ^2 /NDF: 1160659.7/44

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug



Right In: -349.485 $\pm$ 177.089 χ^2 /NDF: 14.9/17

Left Out: -71.324 $\pm$ 78.399 χ^2 /NDF: 28.6/24

Right Out: 28.774 $\pm$ 175.416 χ^2 /NDF: 19.8/21

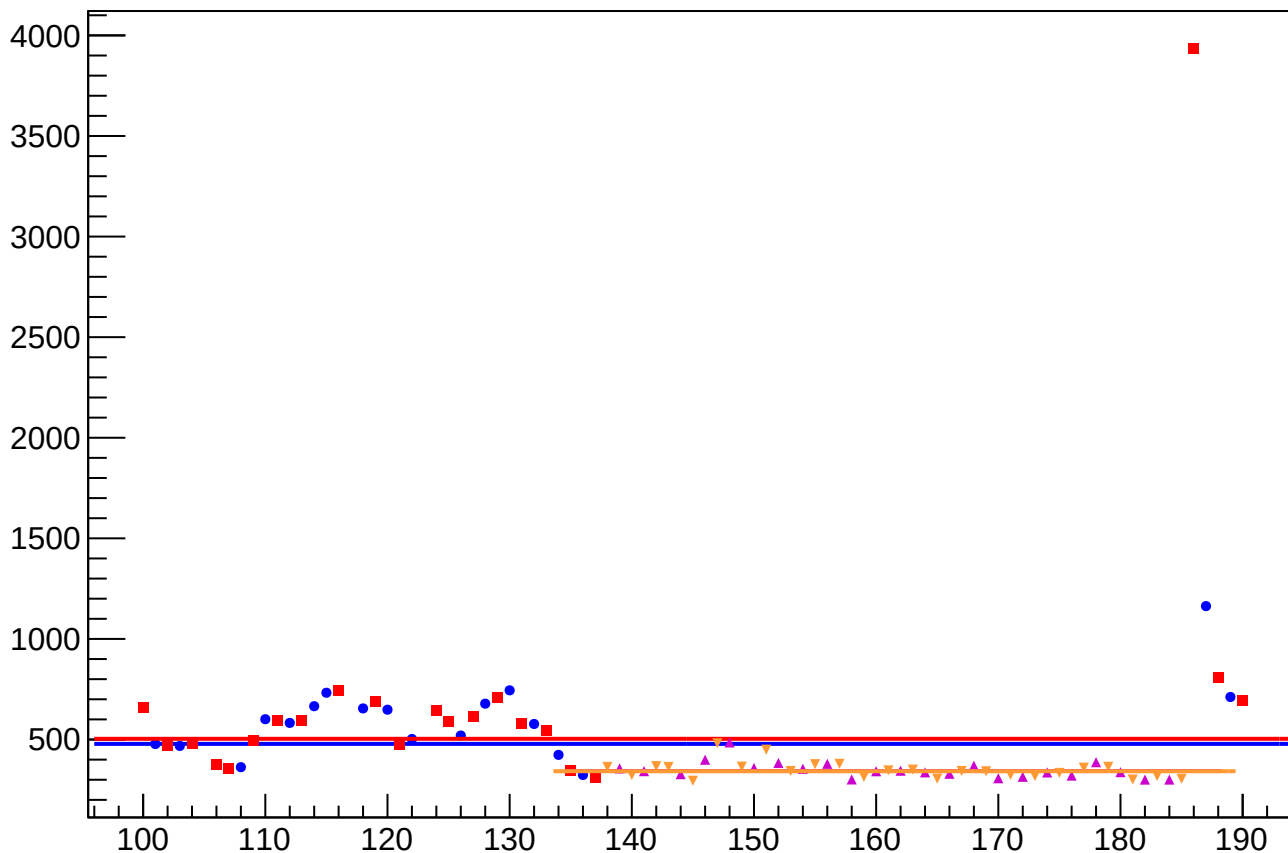
Left In: 6.134 $\pm$ 80.760 χ^2 /NDF: 34.0/22

+ sign -116.908 $\pm$ 71.688 χ^2 /NDF: 45.5/42

All: -54.869 $\pm$ 51.272 χ^2 /NDF: 100.9/87

- sign 10.094 $\pm$ 73.359 χ^2 /NDF: 53.9/44

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 478.333+/-0.125 χ^2/NDF : 1231584.3/17

Left Out: 342.502+/-0.055 χ^2/NDF : 434210.5/24

Right Out: 503.485+/-0.124 χ^2/NDF : 1813377.5/21

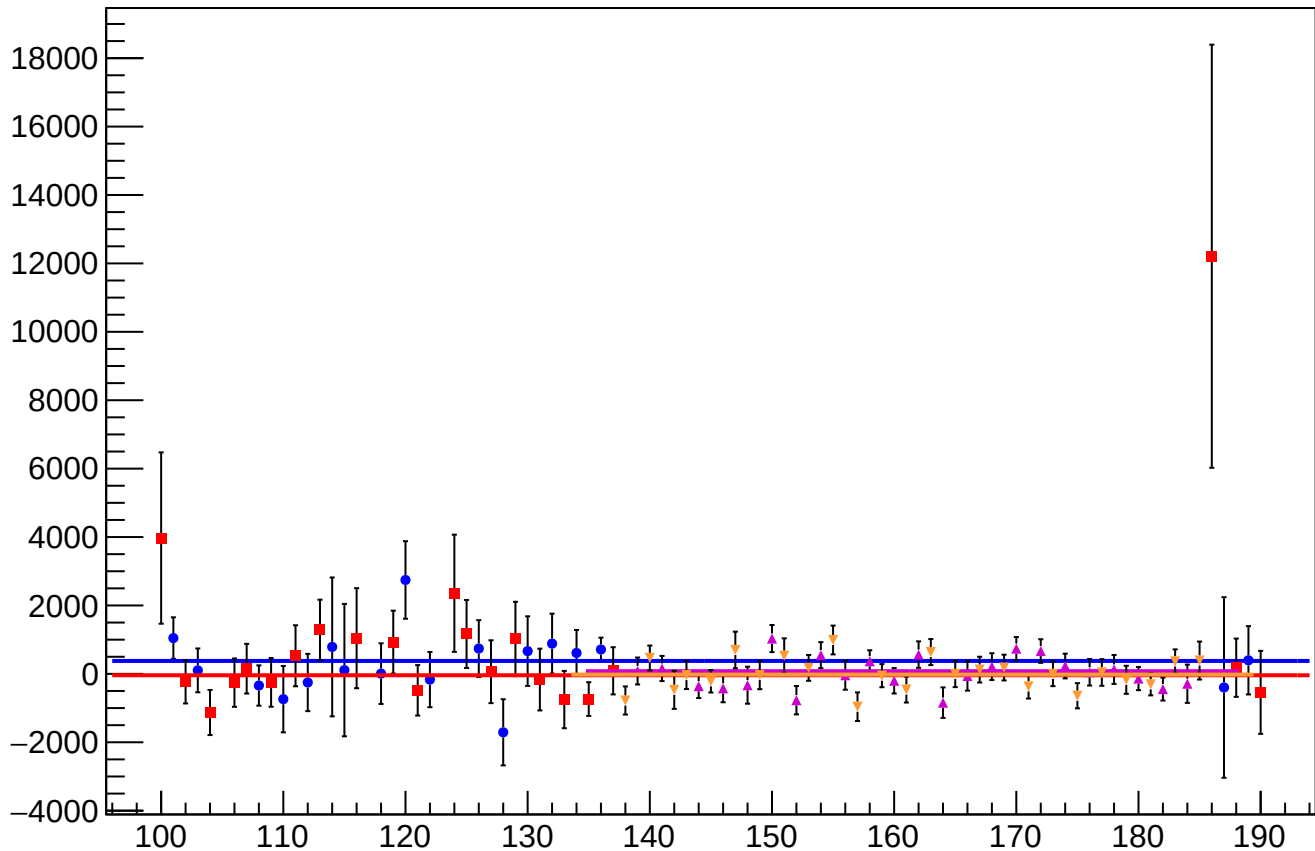
Left In: 343.245+/-0.057 χ^2/NDF : 372993.5/22

+ sign 364.762+/-0.051 χ^2/NDF : 2649618.1/42

All: 367.941+/-0.036 χ^2/NDF : 6221080.6/87

- sign 371.269+/-0.052 χ^2/NDF : 3563411.9/44

asym_sam_13_57_dd_mean vs Slug



Right In: 378.016 ± 179.265 χ^2/NDF : 16.2/17

Left Out: -20.272 ± 78.196 χ^2/NDF : 31.4/24

Right Out: -40.607 ± 178.970 χ^2/NDF : 21.6/21

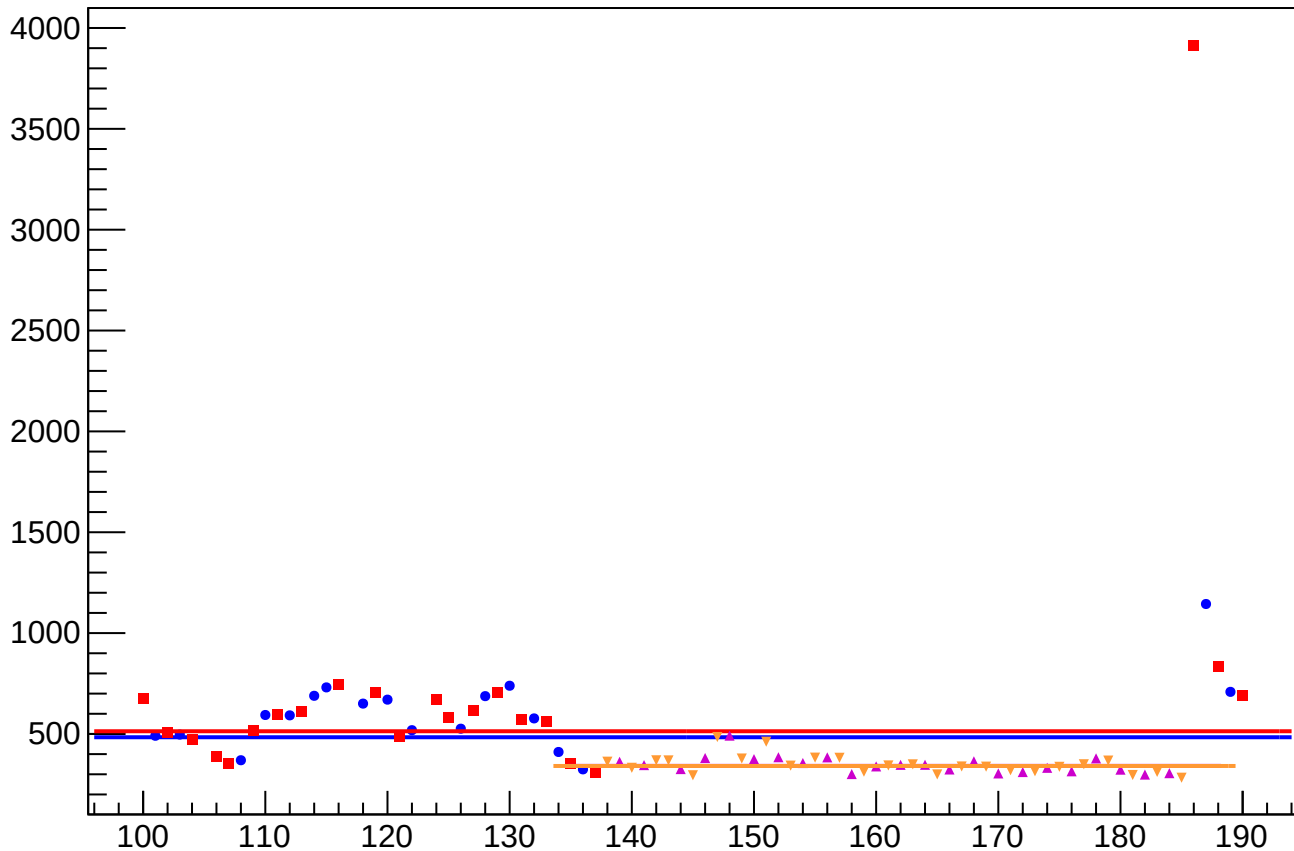
Left In: 78.719 ± 80.410 χ^2/NDF : 32.9/22

+ sign 43.397 ± 71.674 χ^2/NDF : 51.8/42

All: 50.861 ± 51.263 χ^2/NDF : 106.8/87

- sign 58.677 ± 73.347 χ^2/NDF : 54.9/44

asym_sam_13_57_dd_rms vs Slug



Right In: 483.603 $\pm$ 0.127 χ^2 /NDF: 1233767.0/17

Left Out: 341.199 $\pm$ 0.055 χ^2 /NDF: 510854.5/24

Right Out: 513.346 $\pm$ 0.127 χ^2 /NDF: 1803734.8/21

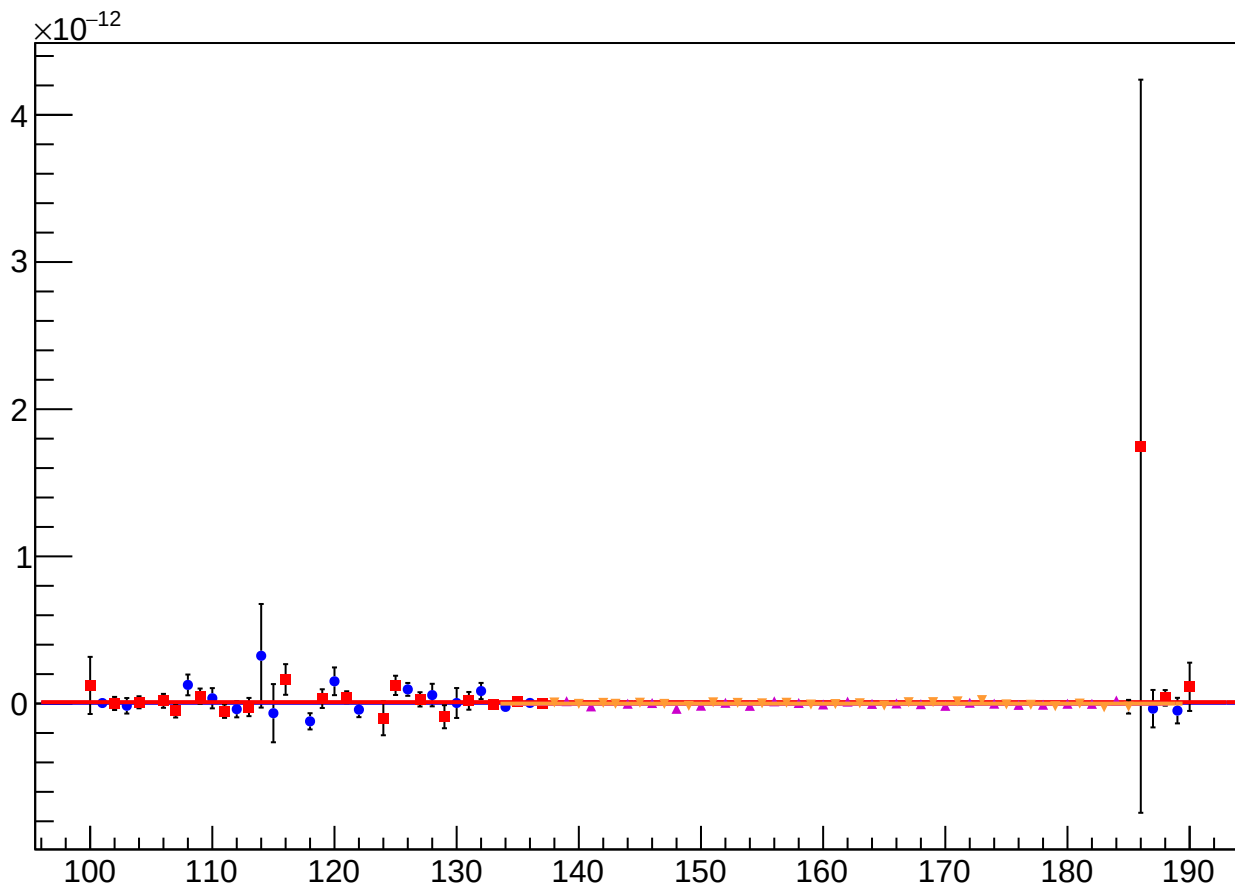
Left In: 341.622 $\pm$ 0.057 χ^2 /NDF: 396885.0/22

+ sign 363.963 $\pm$ 0.051 χ^2 /NDF: 2804942.4/42

All: 367.139 $\pm$ 0.036 χ^2 /NDF: 6545648.3/87

- sign 370.465 $\pm$ 0.052 χ^2 /NDF: 3732667.5/44

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21.6/17

Left Out: -0.000+/-0.000 χ^2/NDF : 19.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15.2/21

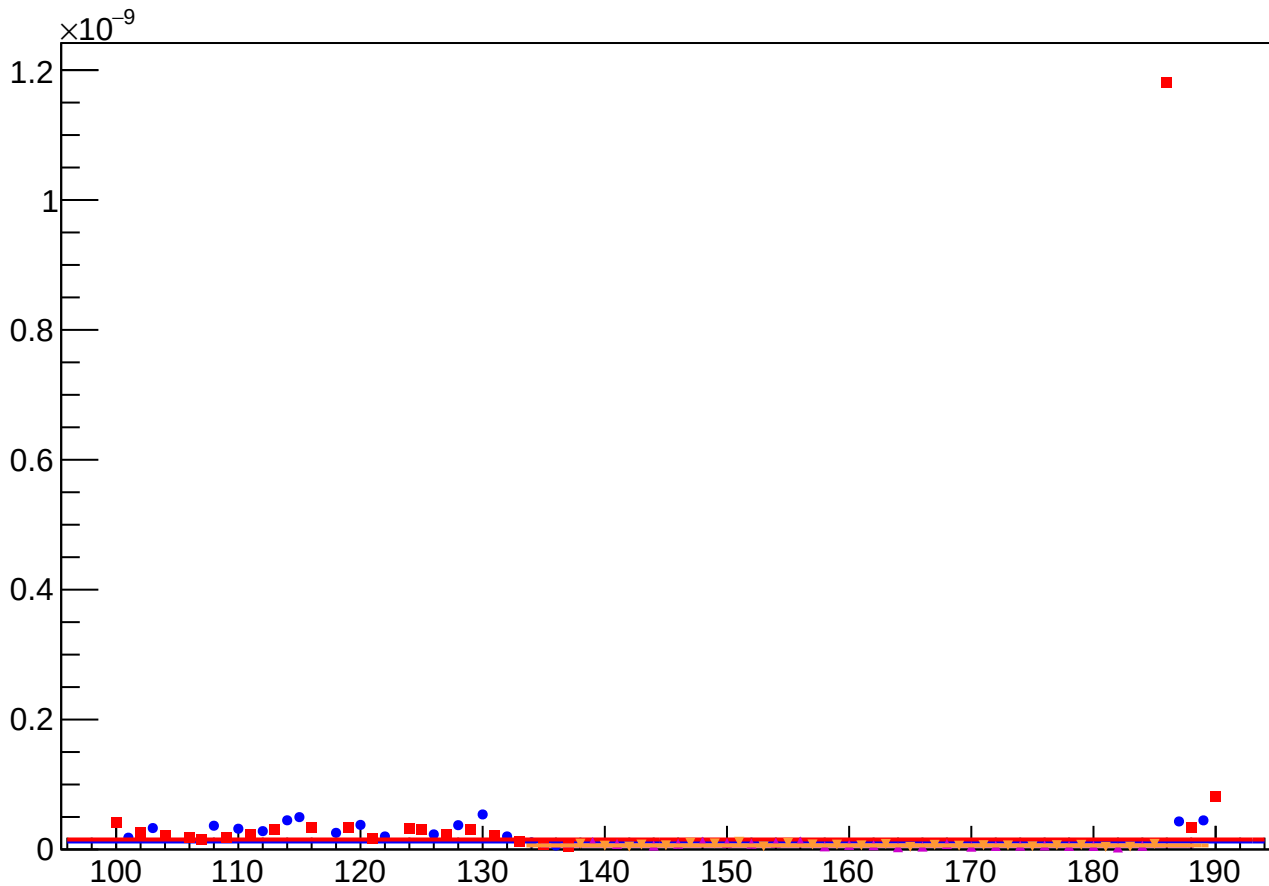
Left In: -0.000+/-0.000 χ^2/NDF : 14.4/22

+ sign -0.000+/-0.000 χ^2/NDF : 41.2/42

All: -0.000+/-0.000 χ^2/NDF : 72.5/87

- sign -0.000+/-0.000 χ^2/NDF : 31.1/44

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3251650.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1159883.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2800360.8/21

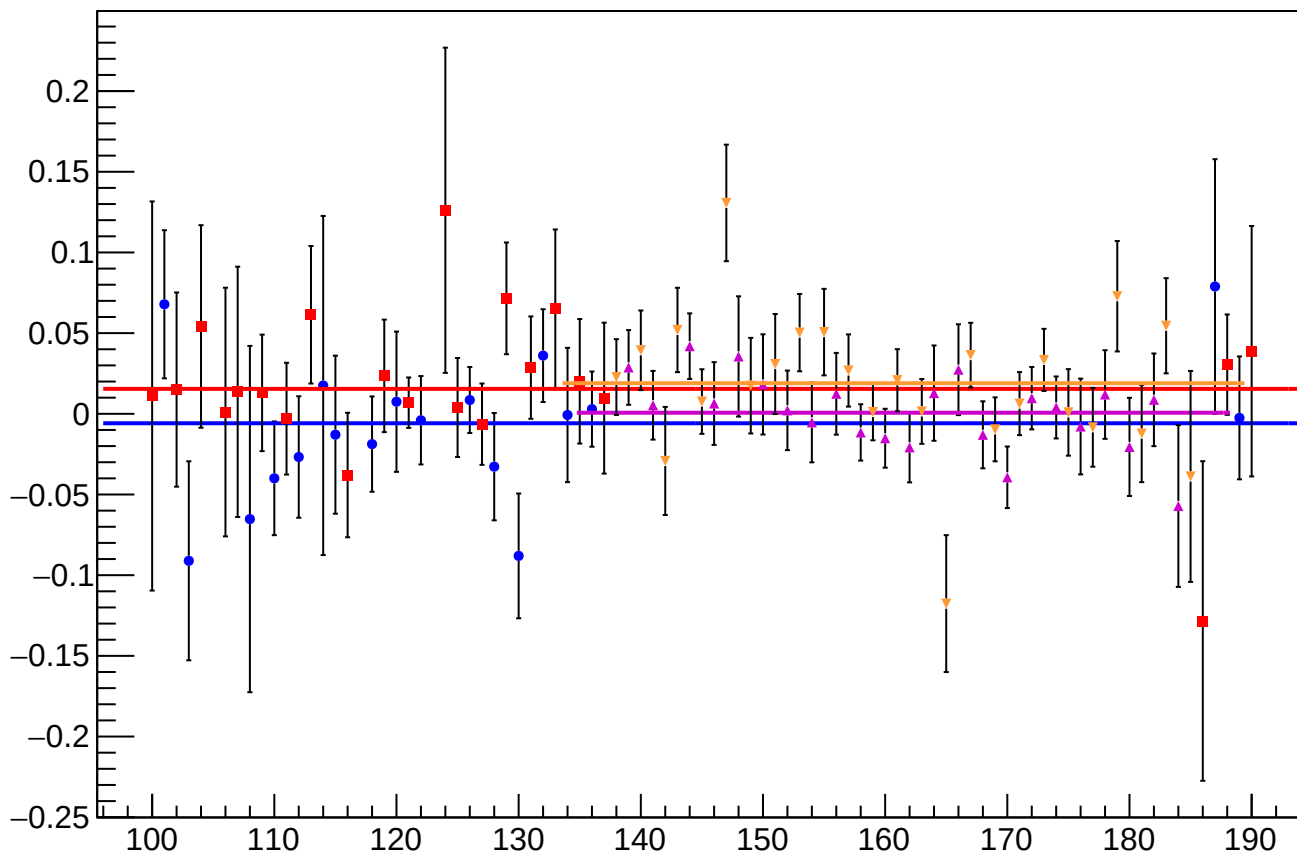
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1660677.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5460192.3/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11860215.9/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6400000.1/44

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.008 $\chi^2/\text{NDF}: 15.5/17$

Left Out: 0.019 ± 0.005 $\chi^2/\text{NDF}: 41.2/24$

Right Out: 0.015 ± 0.008 $\chi^2/\text{NDF}: 12.5/21$

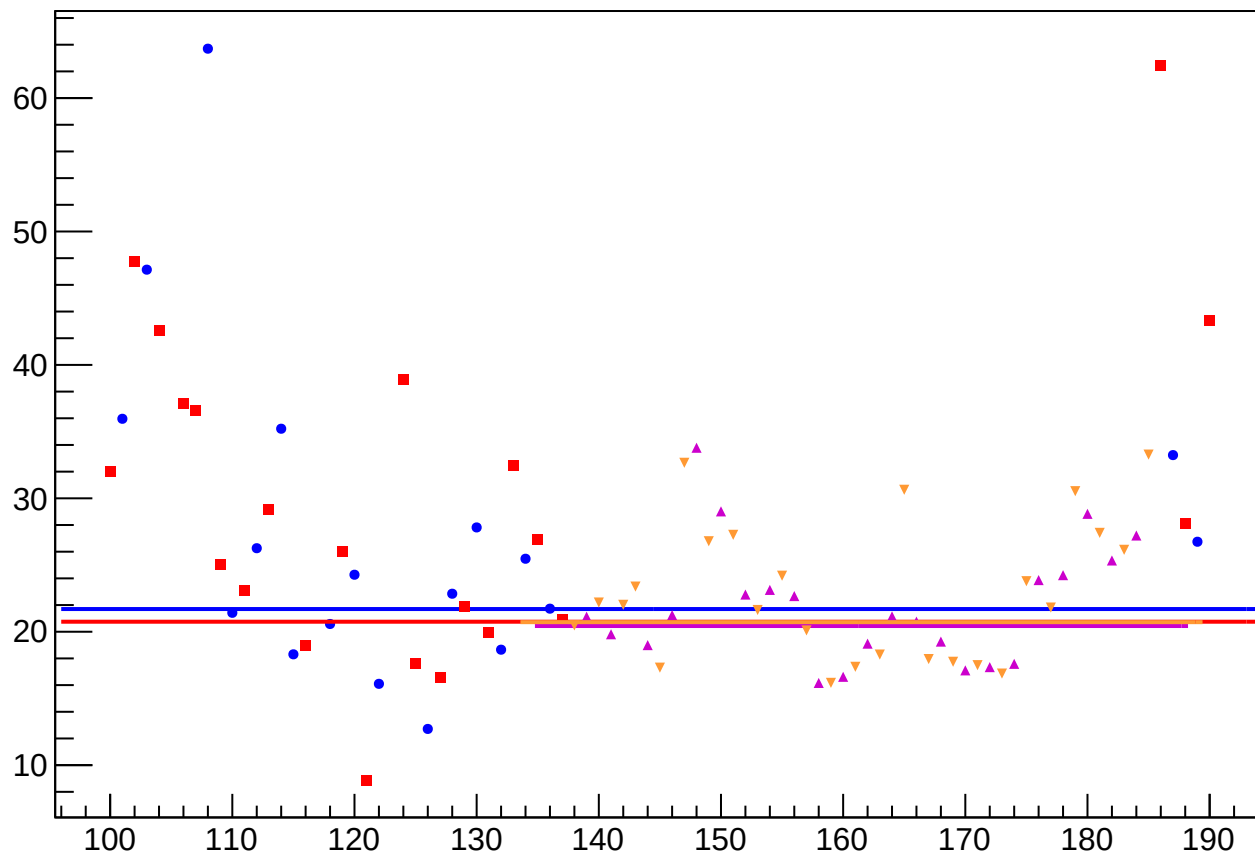
Left In: 0.001 ± 0.005 $\chi^2/\text{NDF}: 17.7/22$

+ sign 0.013 ± 0.004 $\chi^2/\text{NDF}: 63.3/42$

All: 0.009 ± 0.003 $\chi^2/\text{NDF}: 97.7/87$

- sign 0.005 ± 0.004 $\chi^2/\text{NDF}: 32.7/44$

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.702 $\pm$ 0.006 χ^2 /NDF: 1561481.9/17

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF:1506374.1/24

Right Out: 20.751 $\pm$ 0.006 χ^2 /NDF: 3106667.2/21

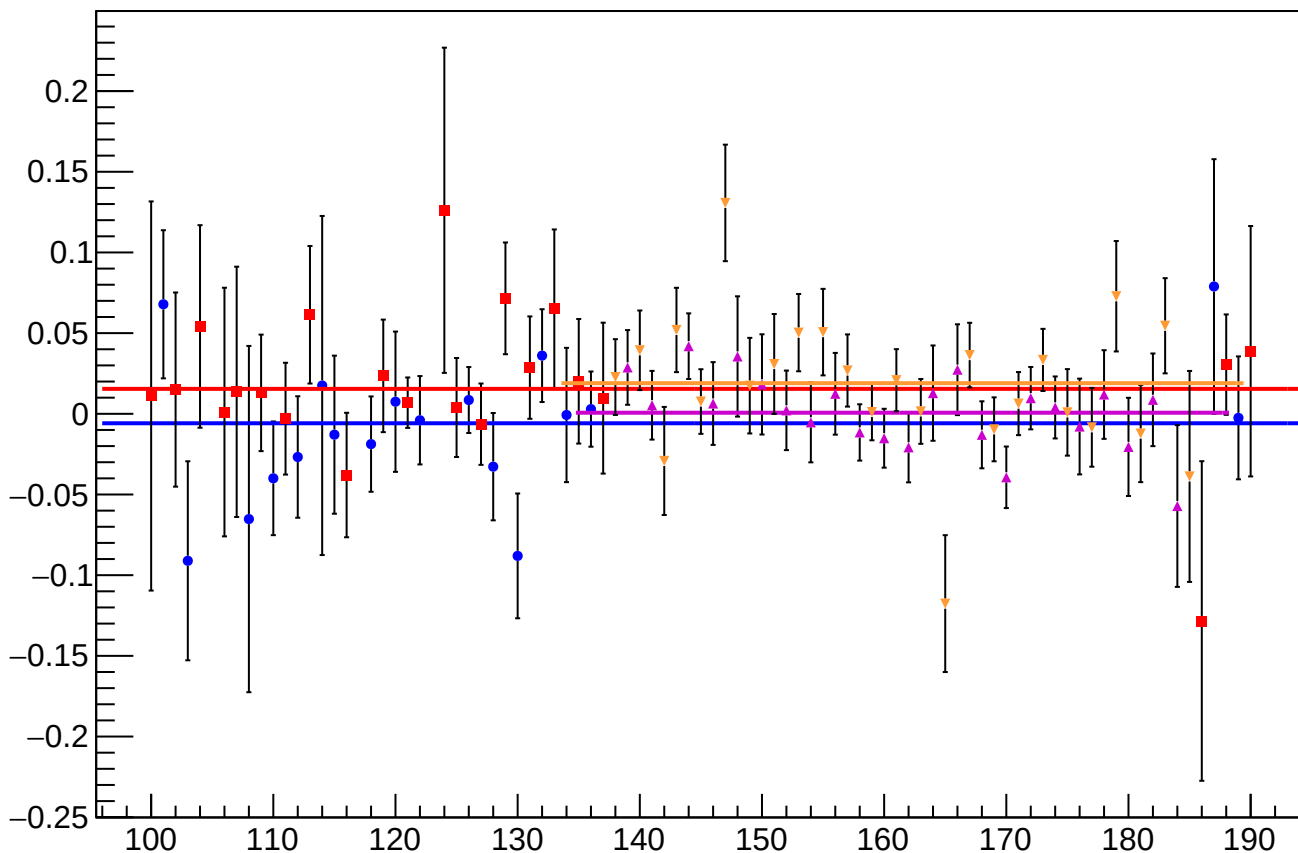
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF:1173949.1/22

+ sign 20.967 $\pm$ 0.003 χ^2 /NDF: 3088520.9/42

All: 20.742 $\pm$ 0.002 χ^2 /NDF: 7382914.3/87

- sign 20.520 $\pm$ 0.003 χ^2 /NDF: 4283021.3/44

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.008 χ^2/NDF : 15.5/17

Left Out: 0.019 ± 0.005 χ^2/NDF : 41.2/24

Right Out: 0.015 ± 0.008 χ^2/NDF : 12.5/21

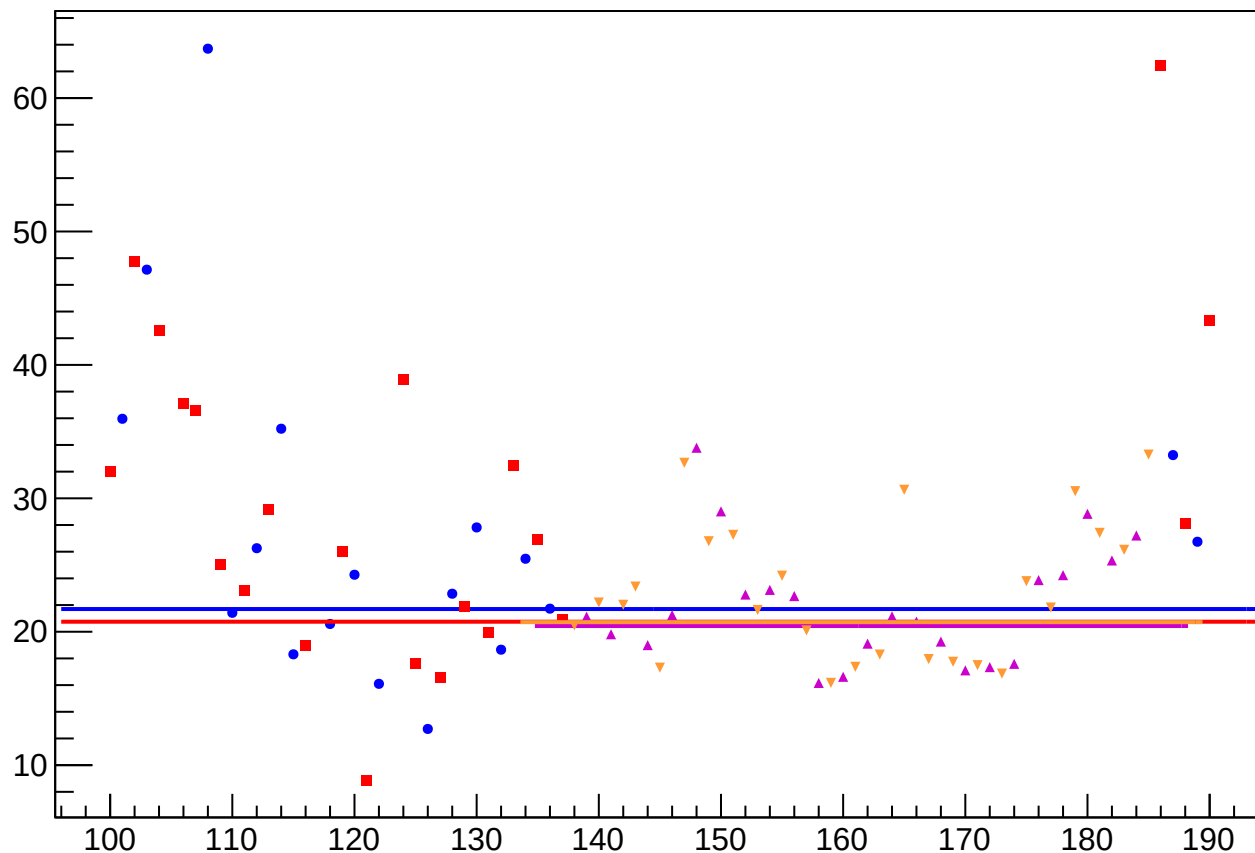
Left In: 0.001 ± 0.005 χ^2/NDF : 17.7/22

+ sign 0.013 ± 0.004 χ^2/NDF : 63.3/42

All: 0.009 ± 0.003 χ^2/NDF : 97.7/87

- sign 0.005 ± 0.004 χ^2/NDF : 32.7/44

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.702 $\pm$ 0.006 χ^2/NDF : 1561481.9/17

Left Out: 20.718 $\pm$ 0.003 χ^2/NDF : 1506374.1/24

Right Out: 20.751 $\pm$ 0.006 χ^2/NDF : 3106667.2/21

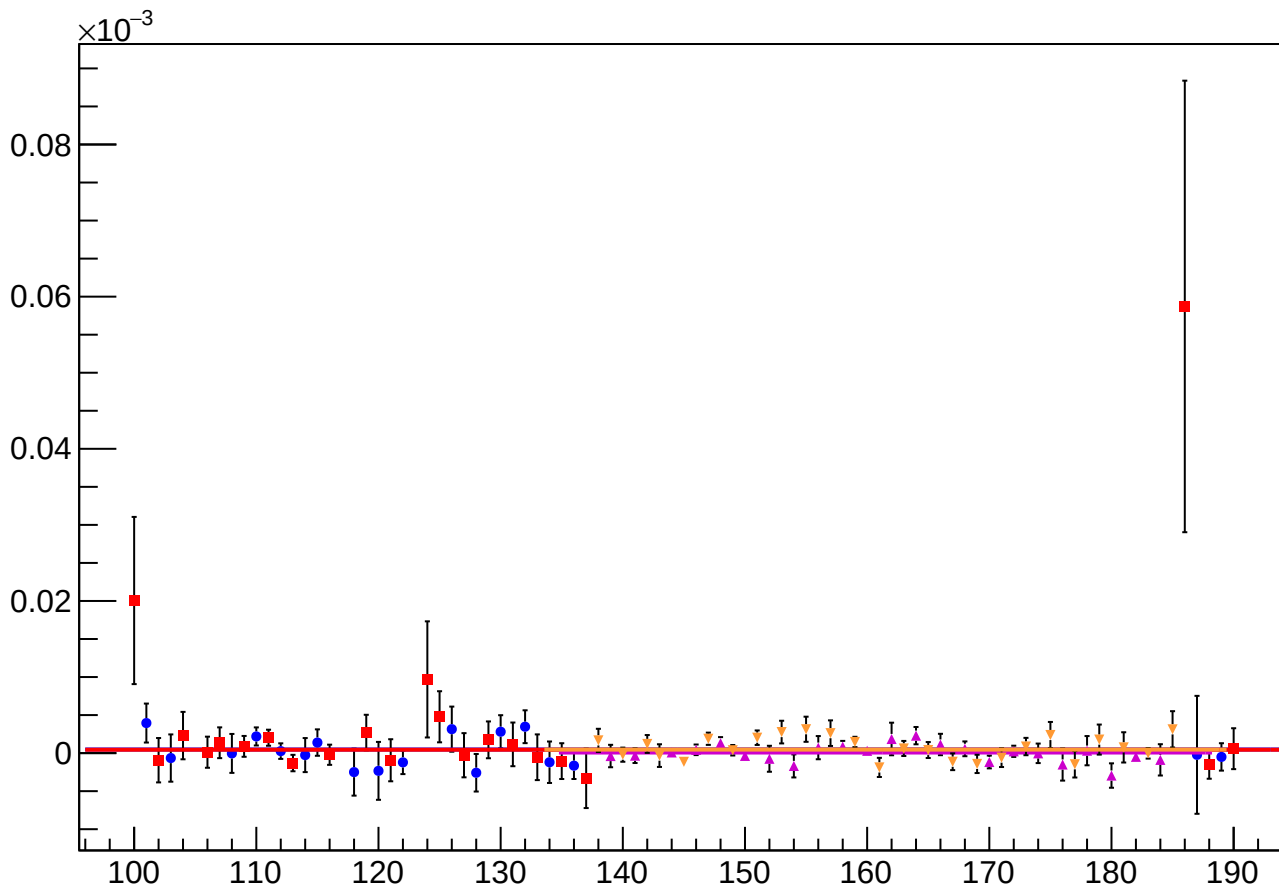
Left In: 20.429 $\pm$ 0.003 χ^2/NDF : 1173949.1/22

+ sign 20.967 $\pm$ 0.003 χ^2/NDF : 3088520.9/42

All: 20.742 $\pm$ 0.002 χ^2/NDF : 7382914.3/87

- sign 20.520 $\pm$ 0.003 χ^2/NDF : 4283021.3/44

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.8/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:36.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/21

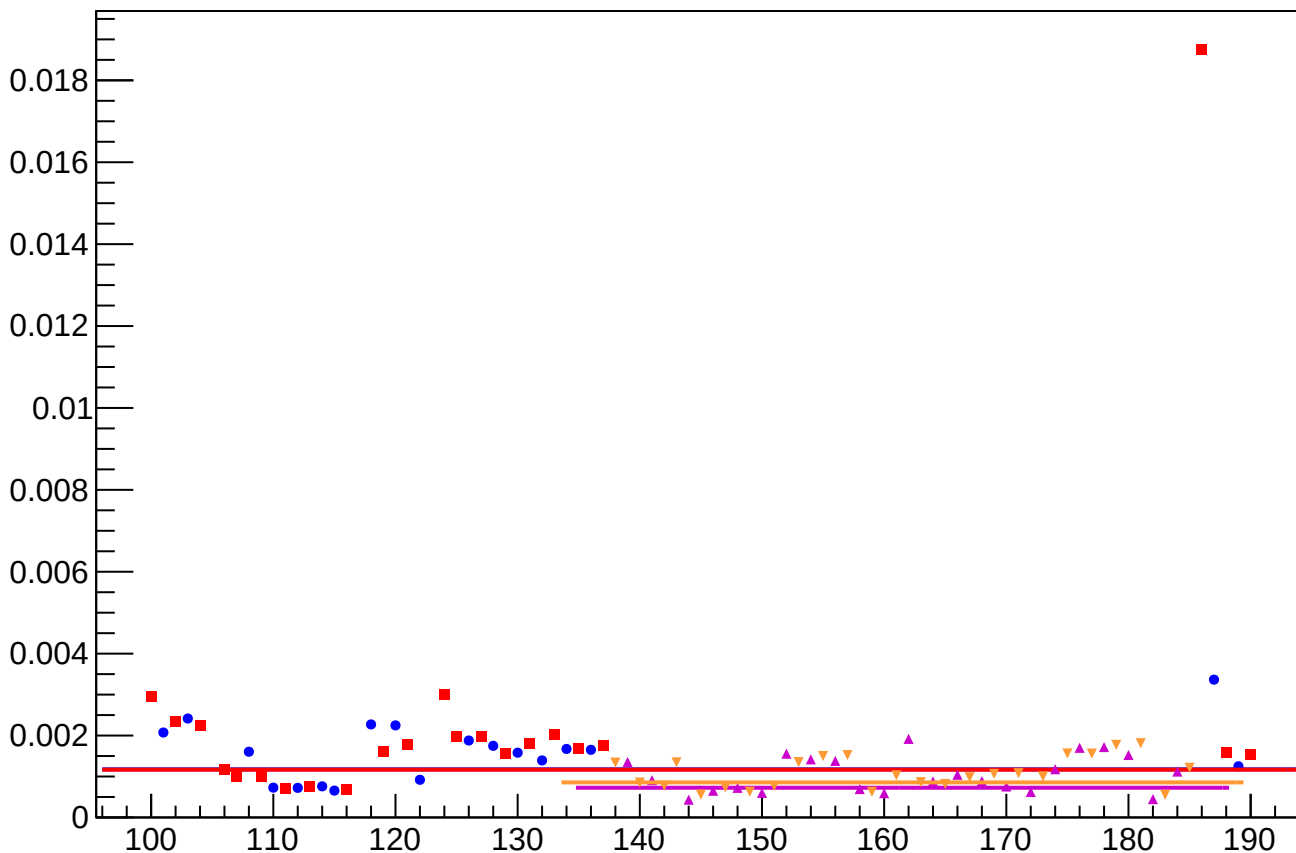
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 51.5/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 93.6/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.5/44

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 2699605.0/17

Left Out: 0.001+/-0.000 χ^2/NDF : 4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 3486792.2/21

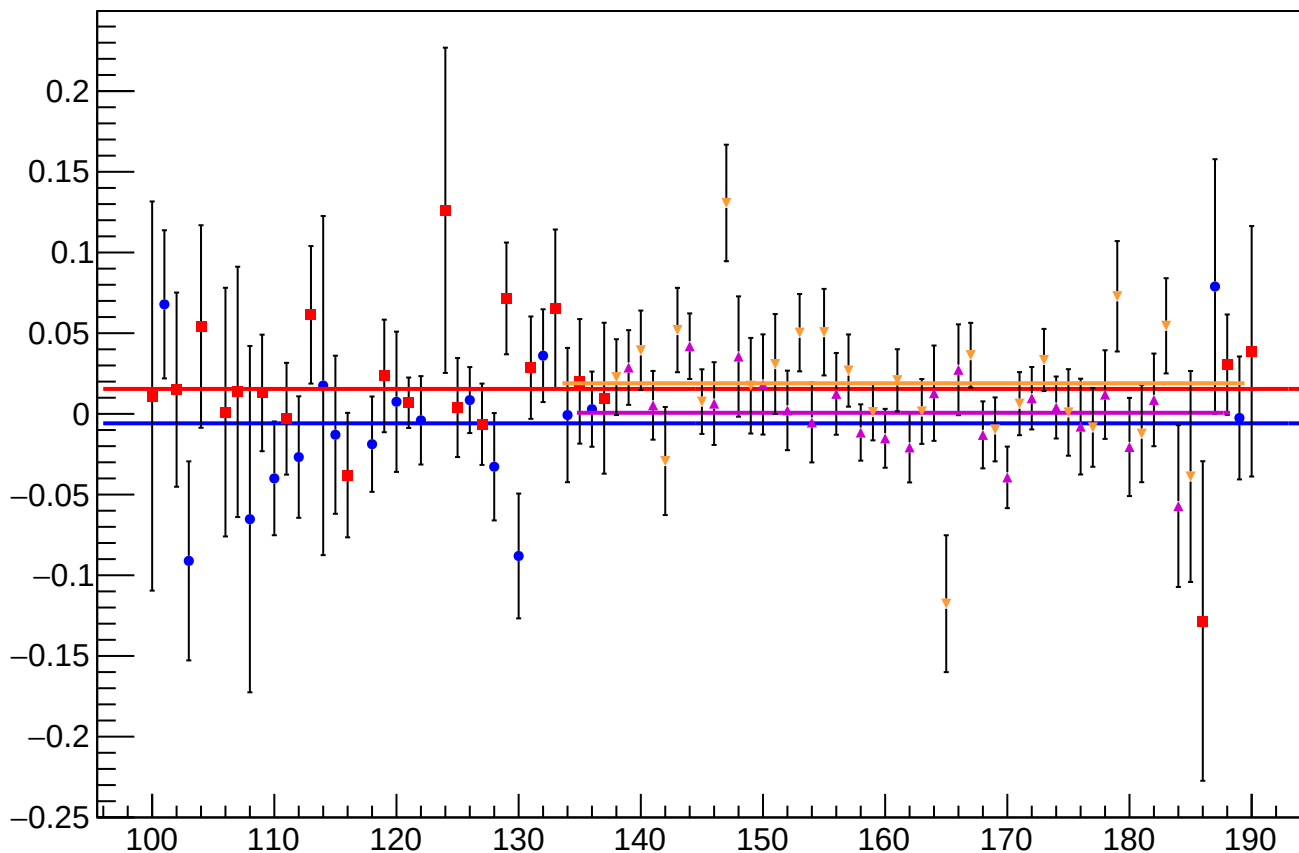
Left In: 0.001+/-0.000 χ^2/NDF : 5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF : 7922713.7/42

All: 0.001+/-0.000 χ^2/NDF : 19343650.9/87

- sign 0.001+/-0.000 χ^2/NDF : 11003306.6/44

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006 ± 0.008 χ^2/NDF : 15.5/17

Left Out: 0.019 ± 0.005 χ^2/NDF : 41.2/24

Right Out: 0.015 ± 0.008 χ^2/NDF : 12.5/21

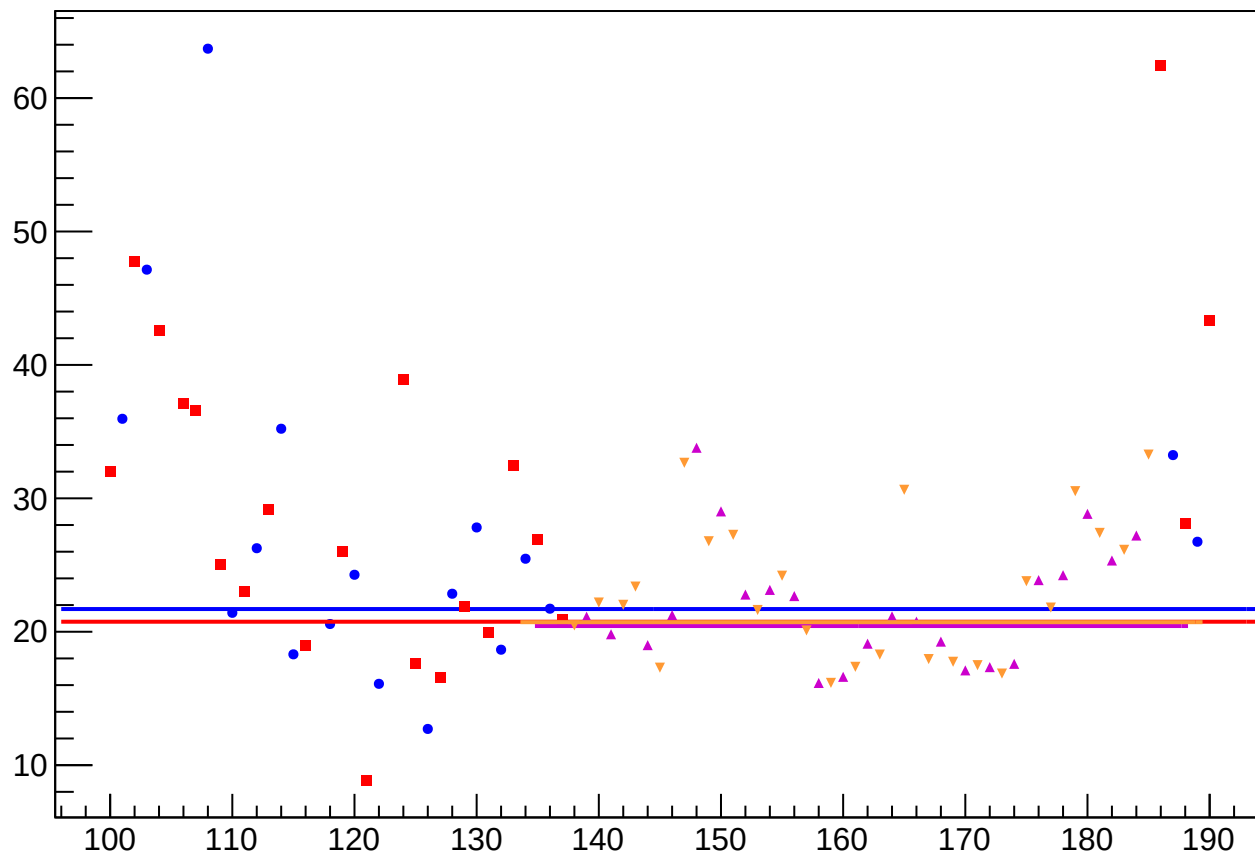
Left In: 0.001 ± 0.005 χ^2/NDF : 17.7/22

+ sign 0.013 ± 0.004 χ^2/NDF : 63.3/42

All: 0.009 ± 0.003 χ^2/NDF : 97.7/87

- sign 0.005 ± 0.004 χ^2/NDF : 32.7/44

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.702 $\pm$ 0.006 χ^2 /NDF: 1561322.4/17

Left Out: 20.718 $\pm$ 0.003 χ^2 /NDF:1506475.9/24

Right Out: 20.752 $\pm$ 0.006 χ^2 /NDF: 3106208.7/21

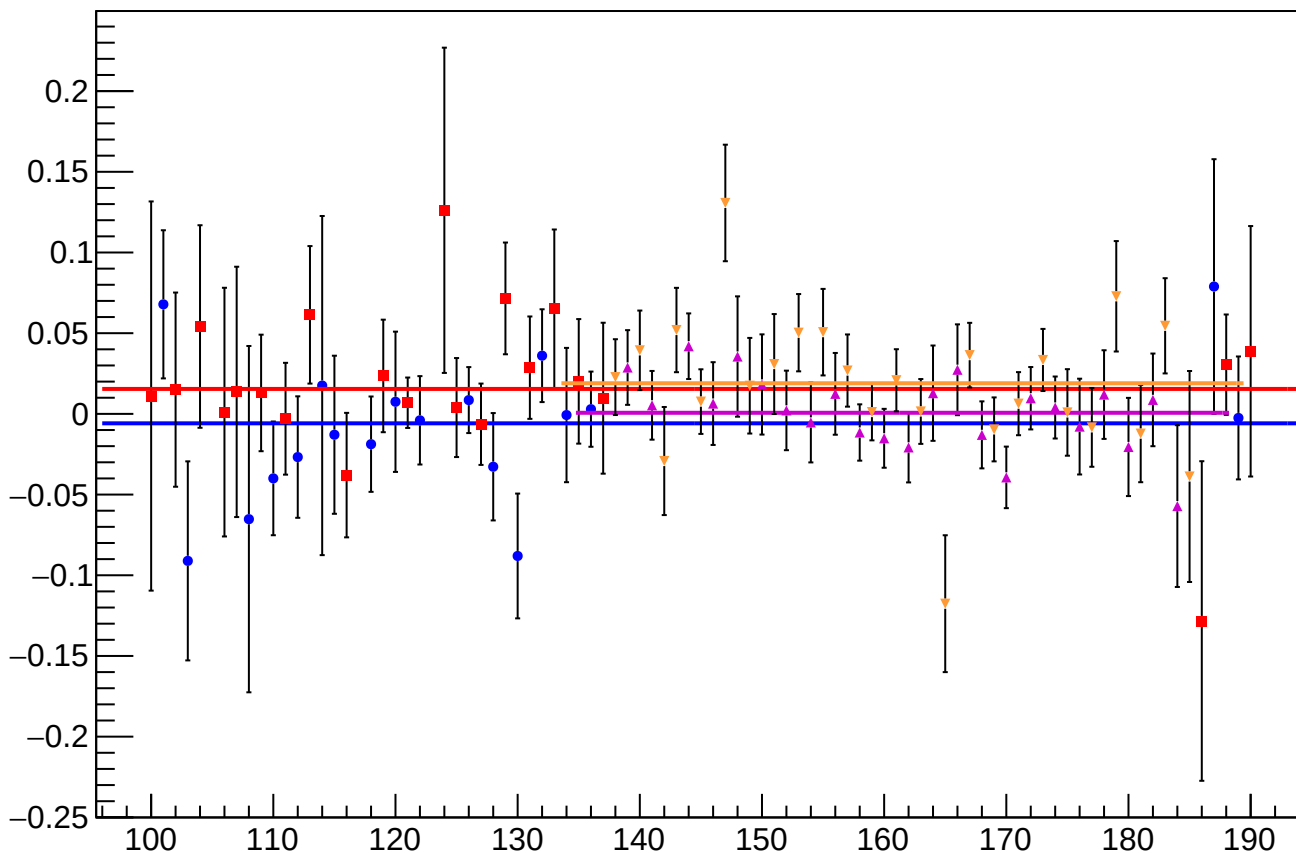
Left In: 20.429 $\pm$ 0.003 χ^2 /NDF:1173995.4/22

+ sign 20.967 $\pm$ 0.003 χ^2 /NDF: 3088478.3/42

All: 20.742 $\pm$ 0.002 χ^2 /NDF: 7382460.2/87

- sign 20.520 $\pm$ 0.003 χ^2 /NDF: 4282618.1/44

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006 ± 0.008 χ^2/NDF : 15.5/17

Left Out: 0.019 ± 0.005 χ^2/NDF : 41.2/24

Right Out: 0.015 ± 0.008 χ^2/NDF : 12.5/21

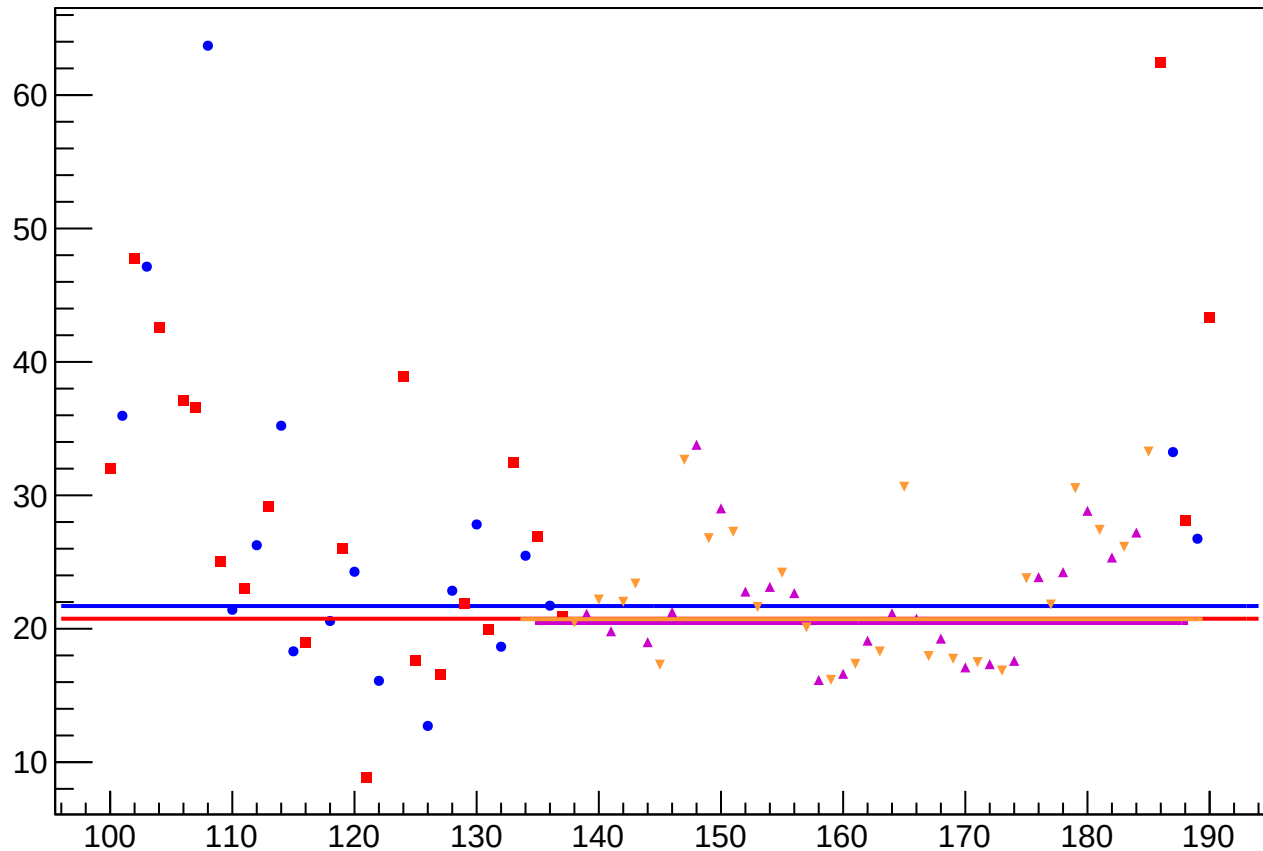
Left In: 0.001 ± 0.005 χ^2/NDF : 17.7/22

+ sign 0.013 ± 0.004 χ^2/NDF : 63.3/42

All: 0.009 ± 0.003 χ^2/NDF : 97.7/87

- sign 0.005 ± 0.004 χ^2/NDF : 32.7/44

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.702 $\pm$ 0.006 χ^2/NDF : 1561322.4/17

Left Out: 20.718 $\pm$ 0.003 χ^2/NDF :1506475.9/24

Right Out: 20.752 $\pm$ 0.006 χ^2/NDF : 3106208.7/21

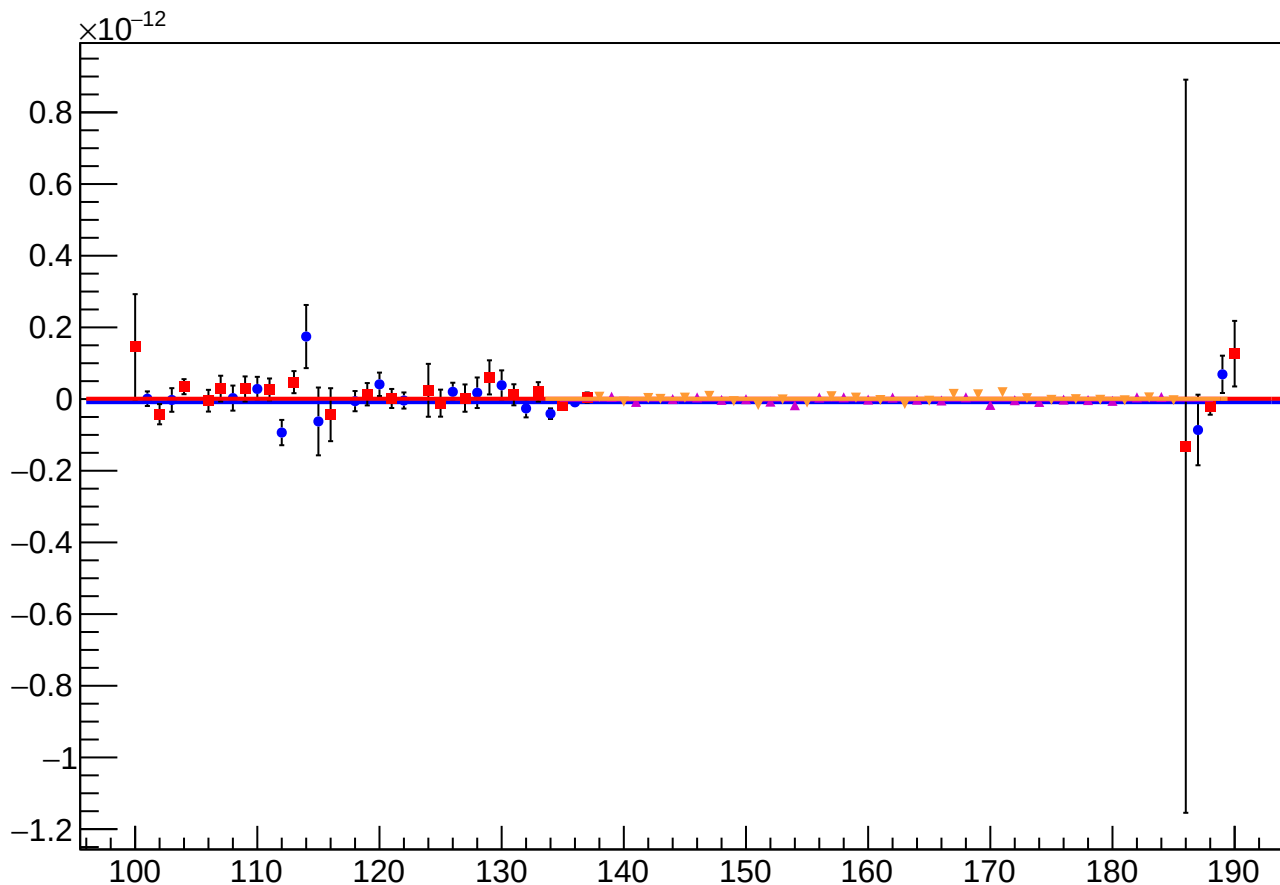
Left In: 20.429 $\pm$ 0.003 χ^2/NDF :1173995.4/22

+ sign 20.967 $\pm$ 0.003 χ^2/NDF : 3088478.3/42

All: 20.742 $\pm$ 0.002 χ^2/NDF : 7382460.2/87

- sign 20.520 $\pm$ 0.003 χ^2/NDF : 4282618.1/44

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug

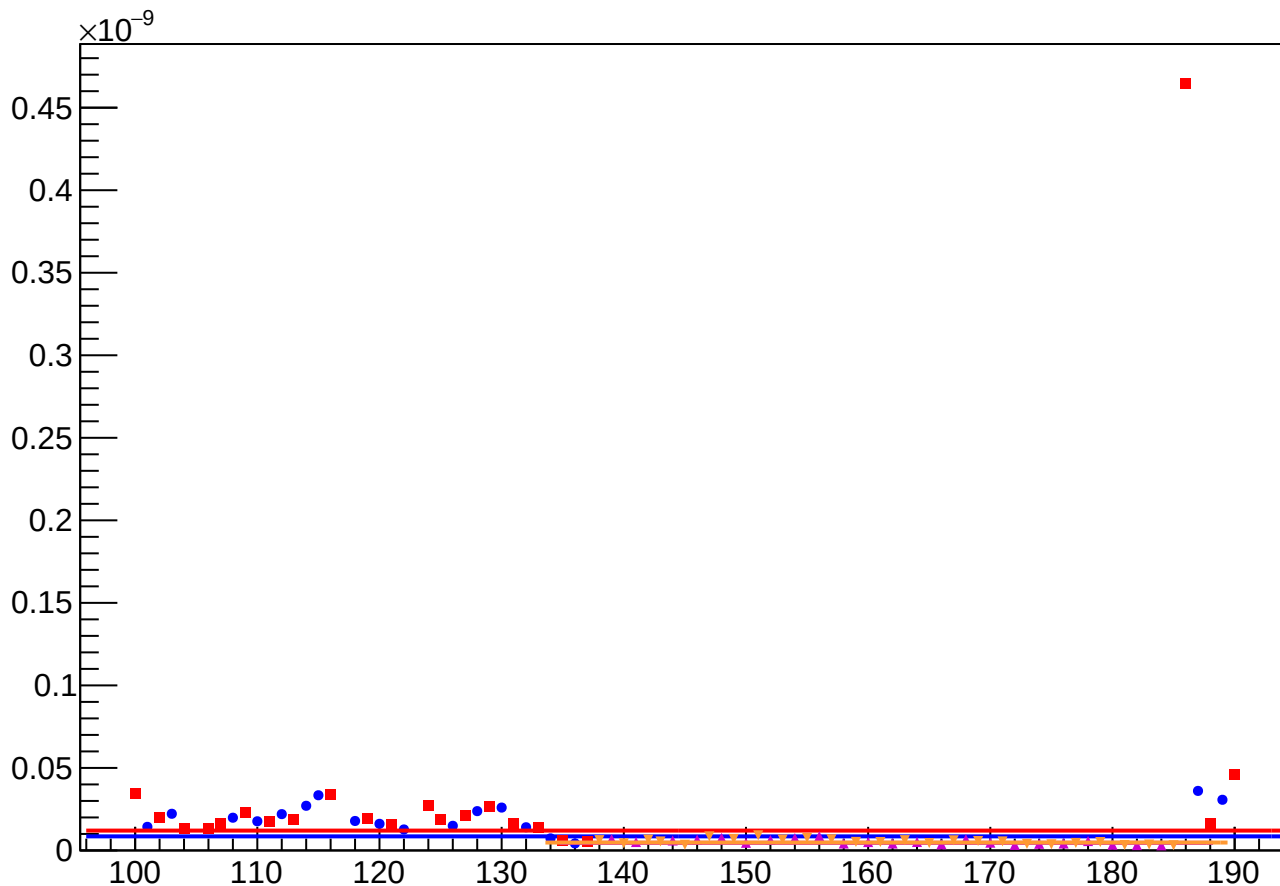


+ sign -0.000 $\pm$ 0.000 χ^2/NDF : 58.4/42

All: -0.000 $\pm$ 0.000 χ^2/NDF : 99.5/87

- sign -0.000 $\pm$ 0.000 χ^2/NDF : 40.6/44

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4255585.4/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3357827.7/21

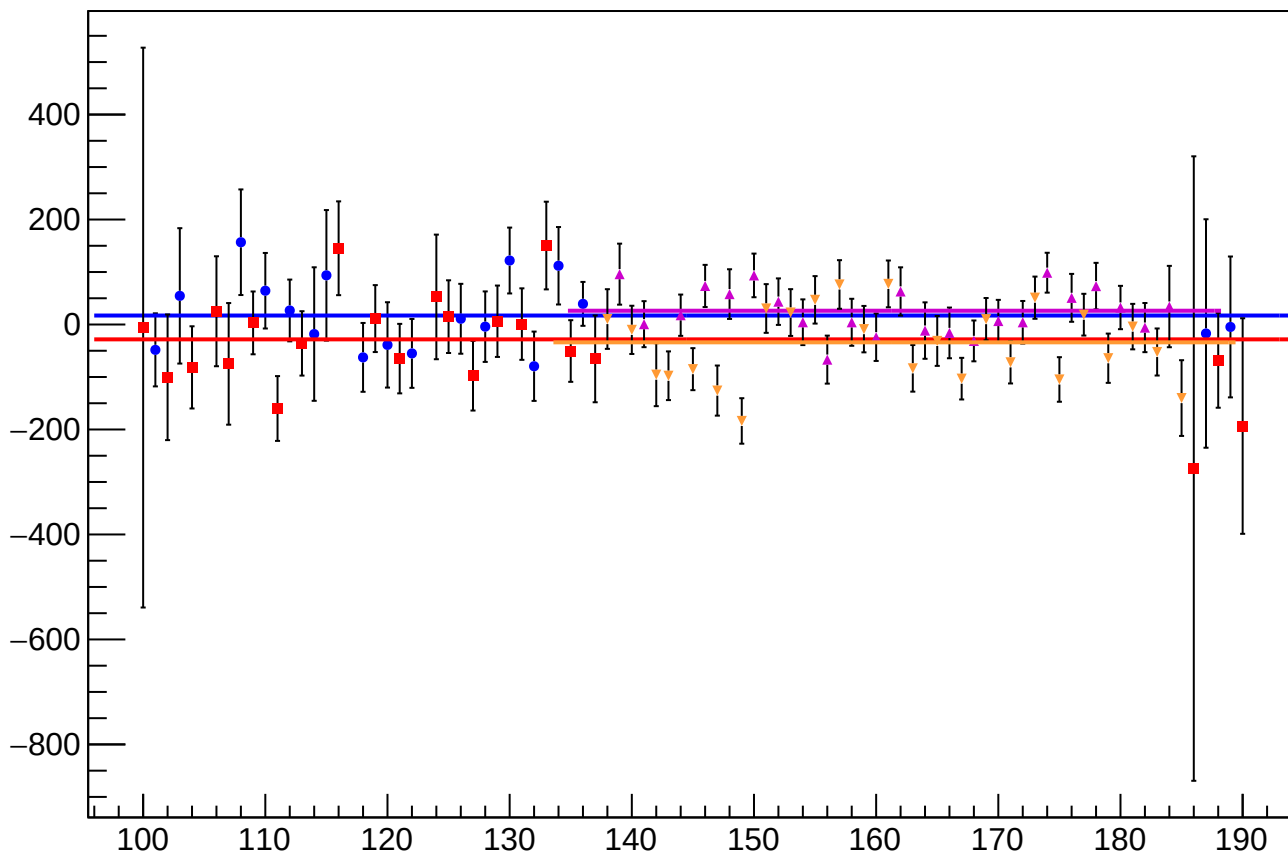
Left In: 0.000+/-0.000 χ^2/NDF : 1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 7660005.0/42

All: 0.000+/-0.000 χ^2/NDF : 16364767.2/87

- sign 0.000+/-0.000 χ^2/NDF : 8701585.3/44

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.111 ± 17.269 $\chi^2/\text{NDF}: 14.0/17$

Left Out: -33.956 ± 8.993 $\chi^2/\text{NDF}: 58.7/24$

Right Out: -28.297 ± 16.961 $\chi^2/\text{NDF}: 18.9/21$

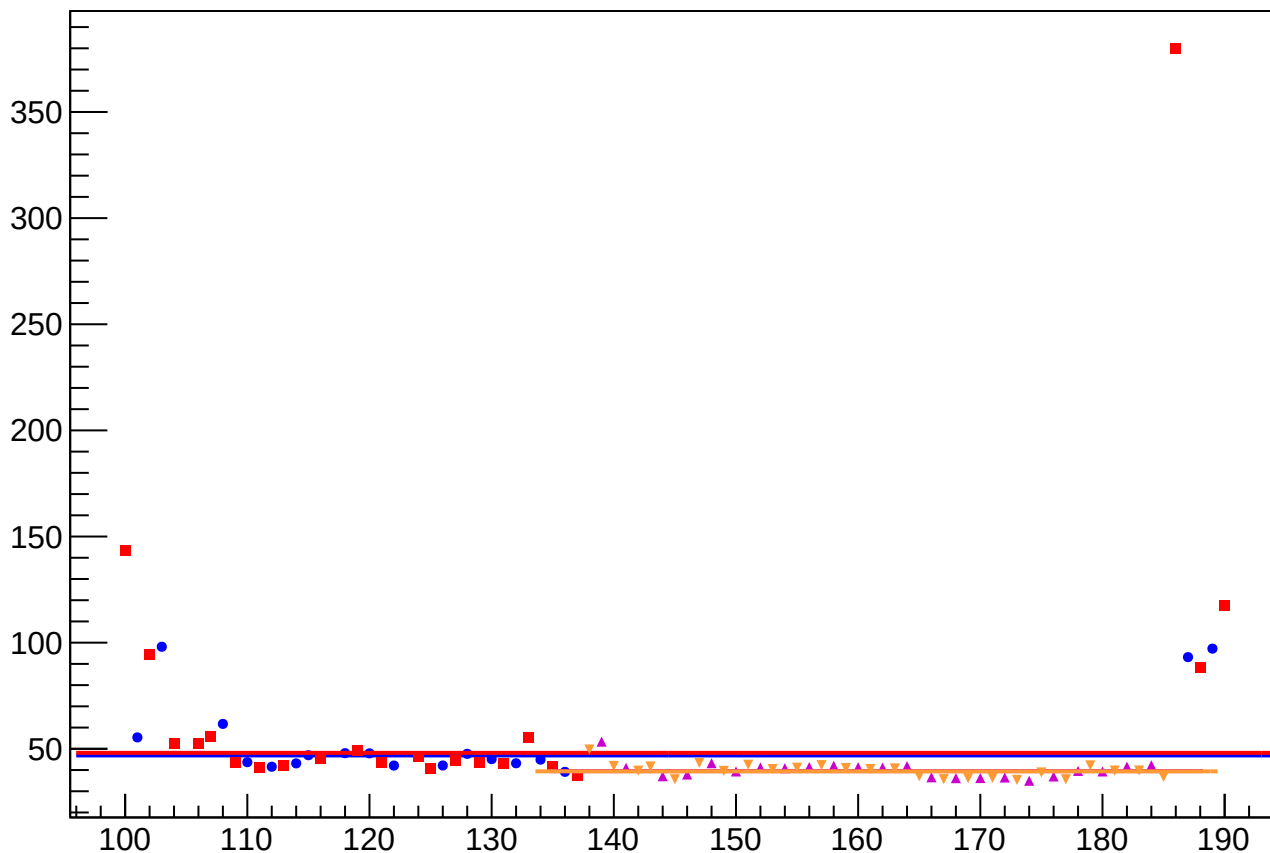
Left In: 26.267 ± 9.271 $\chi^2/\text{NDF}: 22.5/22$

+ sign -23.061 ± 7.977 $\chi^2/\text{NDF}: 79.6/42$

All: -5.036 ± 5.696 $\chi^2/\text{NDF}: 139.3/87$

- sign 13.713 ± 8.135 $\chi^2/\text{NDF}: 49.3/44$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 46.878 $\pm$ 0.012 χ^2 /NDF: 881819.8/17

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 48.099 $\pm$ 0.012 χ^2 /NDF: 1816210.1/21

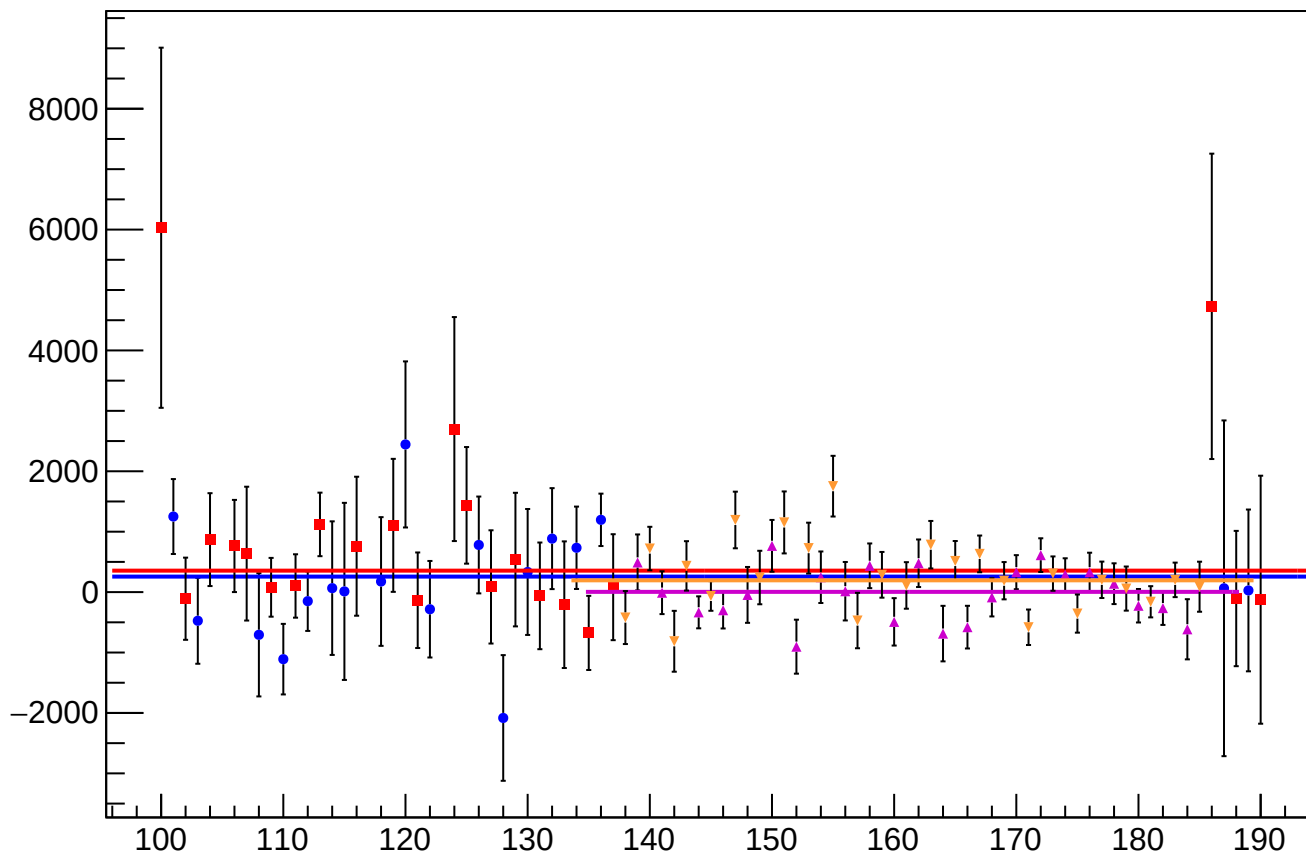
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 40.982 $\pm$ 0.006 χ^2 /NDF: 1406990.4/42

All: 41.222 $\pm$ 0.004 χ^2 /NDF: 3875371.7/87

- sign 41.471 $\pm$ 0.006 χ^2 /NDF: 2464686.2/44

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 256.702 $\pm$ 183.065 χ^2 /NDF: 25.0/17

Left Out: 195.029 $\pm$ 70.093 χ^2 /NDF:48.6/24

Right Out: 355.296 $\pm$ 177.267 χ^2 /NDF: 18.1/21

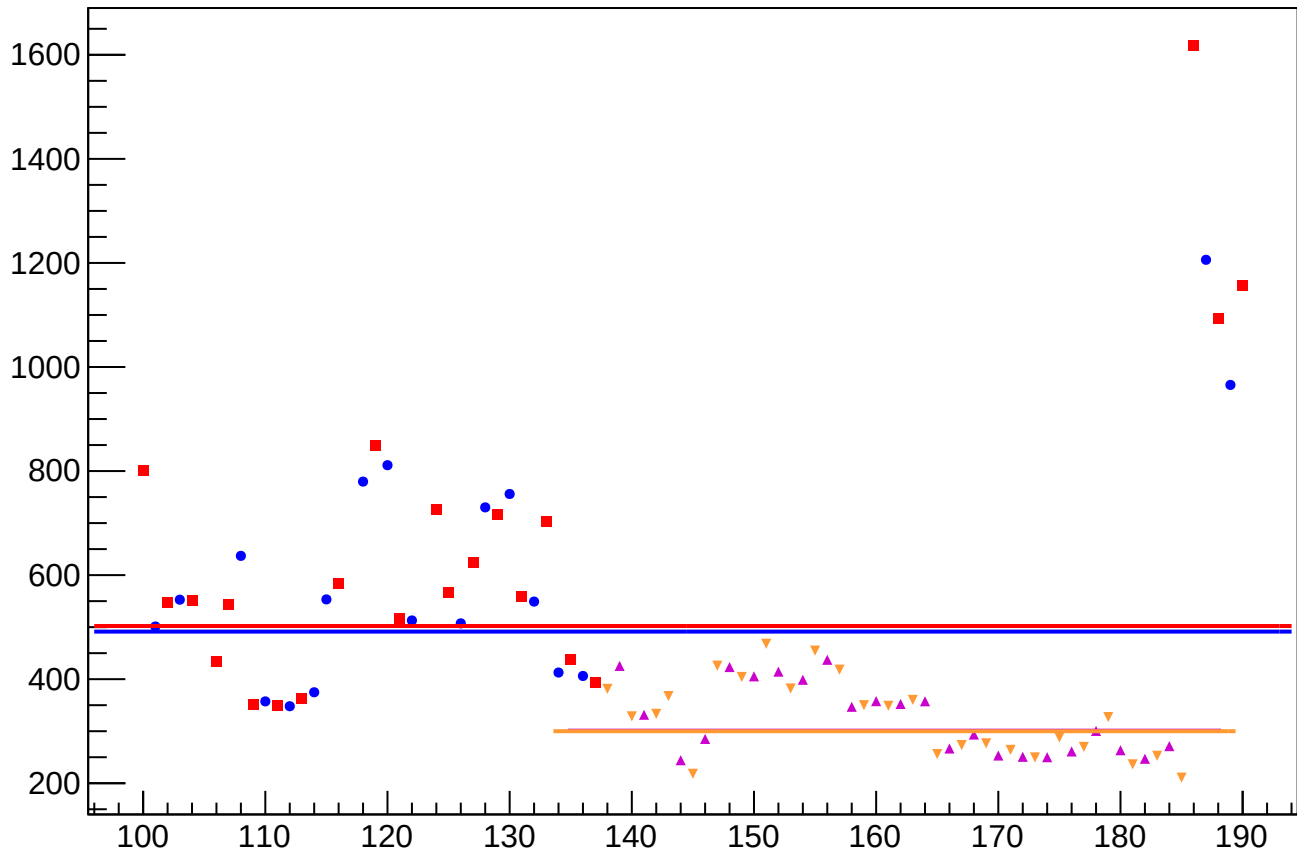
Left In: 4.015 $\pm$ 71.981 χ^2 /NDF:32.4/22

+ sign 202.914 $\pm$ 65.459 χ^2 /NDF: 73.7/42

All: 129.718 $\pm$ 46.716 χ^2 /NDF: 130.1/87

- sign 53.737 $\pm$ 66.692 χ^2 /NDF: 53.9/44

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 491.424 $\pm$ 0.129 χ^2/NDF : 1344501.8/17

Left Out: 299.976 $\pm$ 0.050 χ^2/NDF : 1808461.5/24

Right Out: 502.182 $\pm$ 0.125 χ^2/NDF : 2200707.6/21

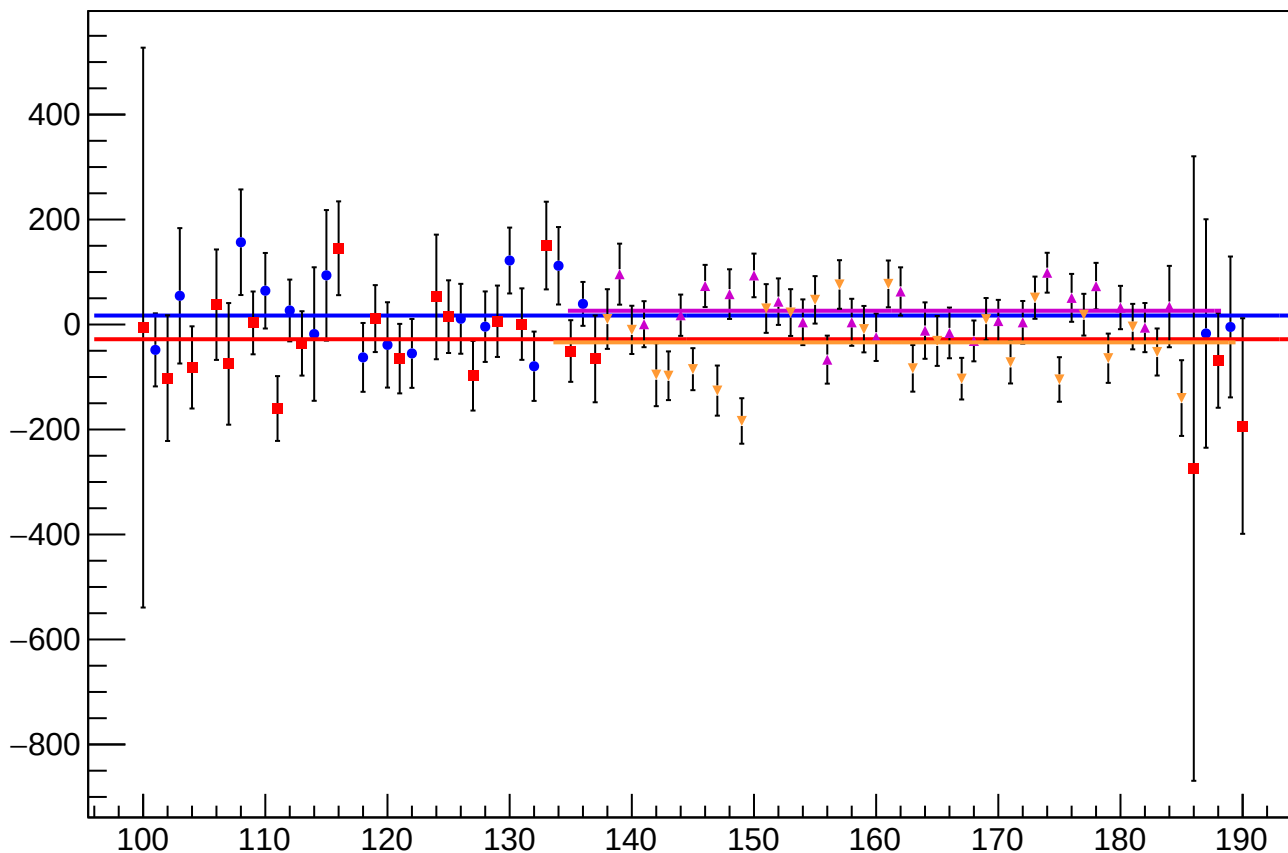
Left In: 301.000 $\pm$ 0.051 χ^2/NDF : 1407198.4/22

+ sign 324.454 $\pm$ 0.046 χ^2/NDF : 5060652.0/42

All: 326.918 $\pm$ 0.033 χ^2/NDF : 10885750.4/87

- sign 329.476 $\pm$ 0.047 χ^2/NDF : 5819322.8/44

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.116 ± 17.269 $\chi^2/\text{NDF}: 14.0/17$

Left Out: -33.955 ± 8.993 $\chi^2/\text{NDF}: 58.7/24$

Right Out: -28.015 ± 16.963 $\chi^2/\text{NDF}: 19.0/21$

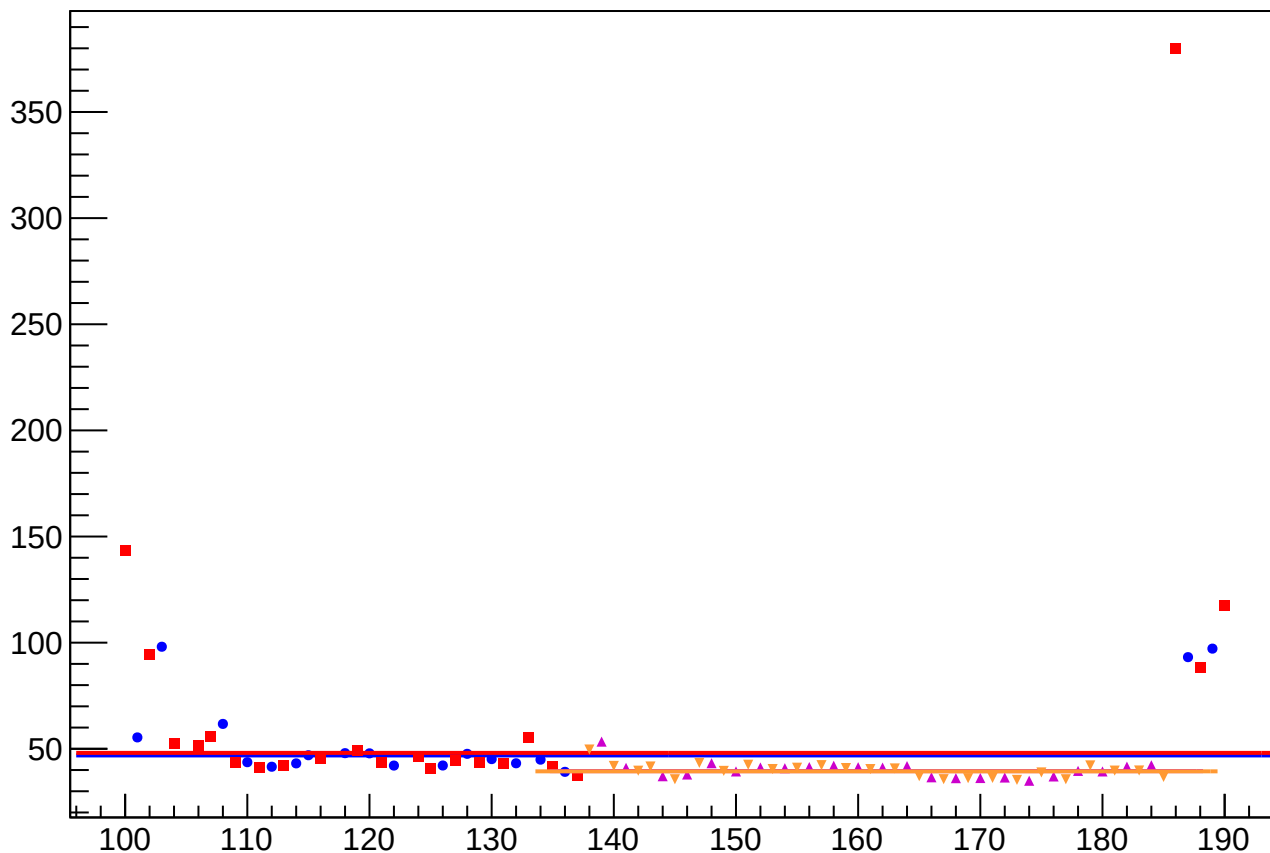
Left In: 26.267 ± 9.271 $\chi^2/\text{NDF}: 22.5/22$

+ sign -23.059 ± 7.977 $\chi^2/\text{NDF}: 79.6/42$

All: -5.003 ± 5.696 $\chi^2/\text{NDF}: 139.4/87$

- sign 13.781 ± 8.136 $\chi^2/\text{NDF}: 49.4/44$

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 46.878 $\pm$ 0.012 χ^2 /NDF: 881822.9/17

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 48.077 $\pm$ 0.012 χ^2 /NDF: 1815229.9/21

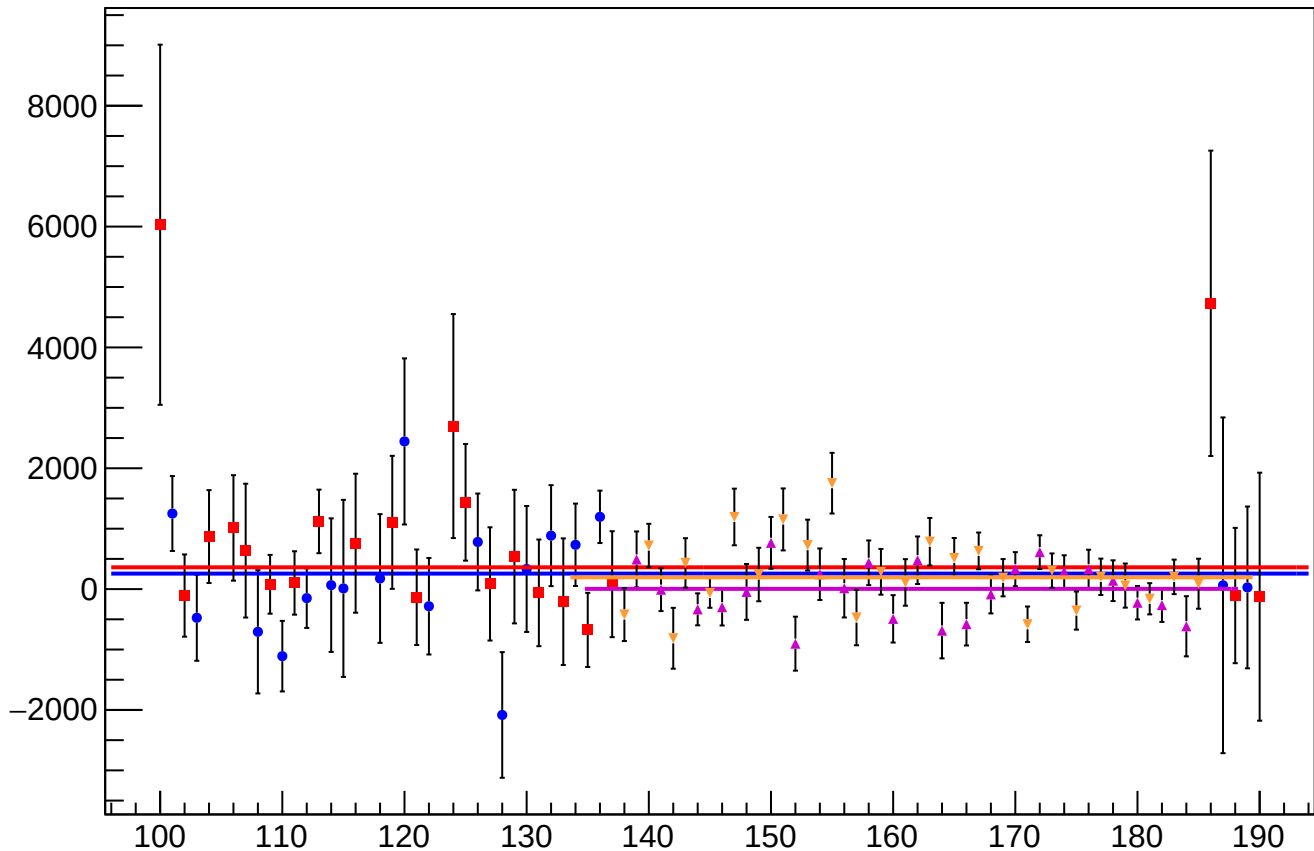
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 40.982 $\pm$ 0.006 χ^2 /NDF: 1406993.3/42

All: 41.219 $\pm$ 0.004 χ^2 /NDF: 3872185.3/87

- sign 41.466 $\pm$ 0.006 χ^2 /NDF: 2461579.6/44

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 256.706 $\pm$ 183.066 χ^2 /NDF: 25.0/17

Left Out: 195.028 $\pm$ 70.093 χ^2 /NDF:48.6/24

Right Out: 360.695 $\pm$ 178.419 χ^2 /NDF: 18.4/21

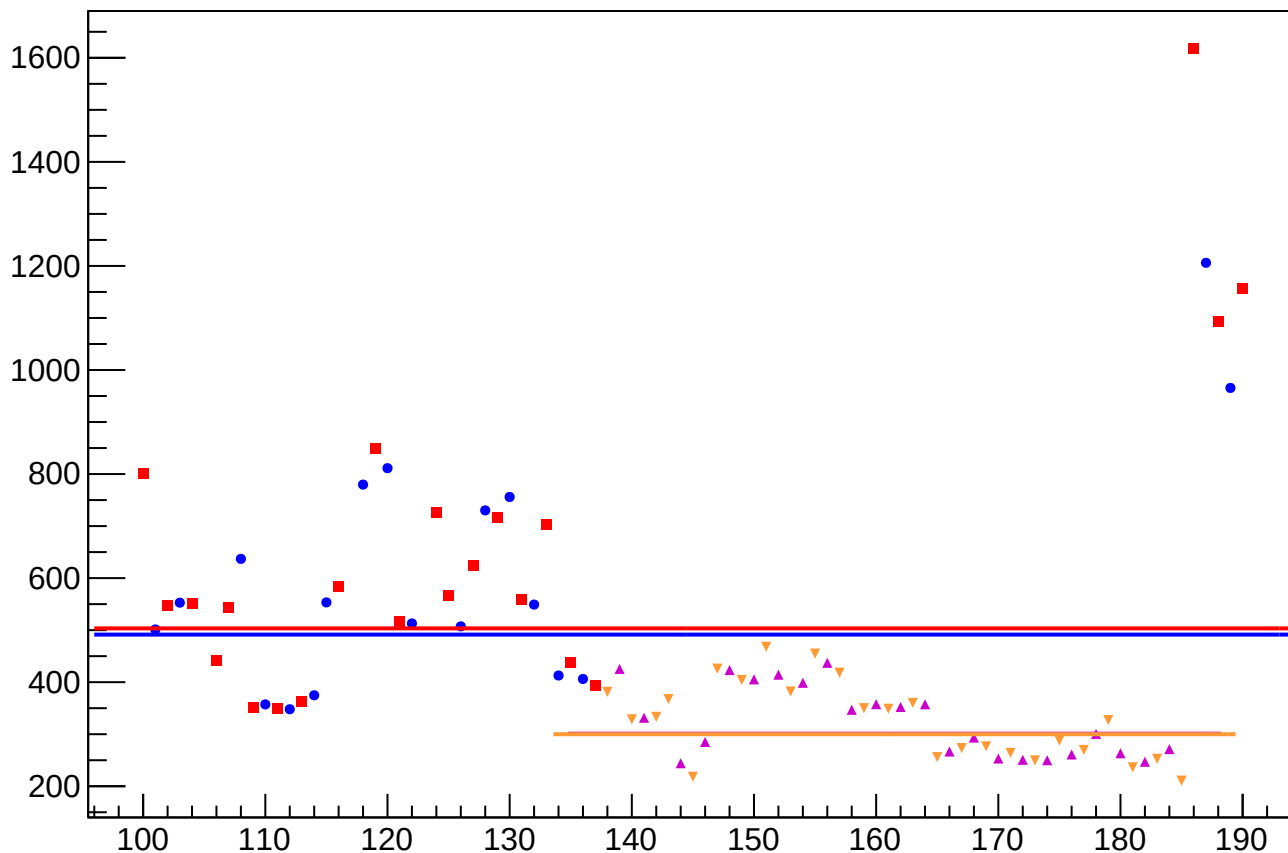
Left In: 4.014 $\pm$ 71.981 χ^2 /NDF:32.4/22

+ sign 202.914 $\pm$ 65.459 χ^2 /NDF: 73.7/42

All: 129.887 $\pm$ 46.737 χ^2 /NDF: 130.5/87

- sign 53.942 $\pm$ 66.753 χ^2 /NDF: 54.2/44

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 491.427+/-0.129 χ^2/NDF : 1344527.7/17

Left Out: 299.976+/-0.050 χ^2/NDF : 1808454.4/24

Right Out: 503.390+/-0.126 χ^2/NDF : 2194529.0/21

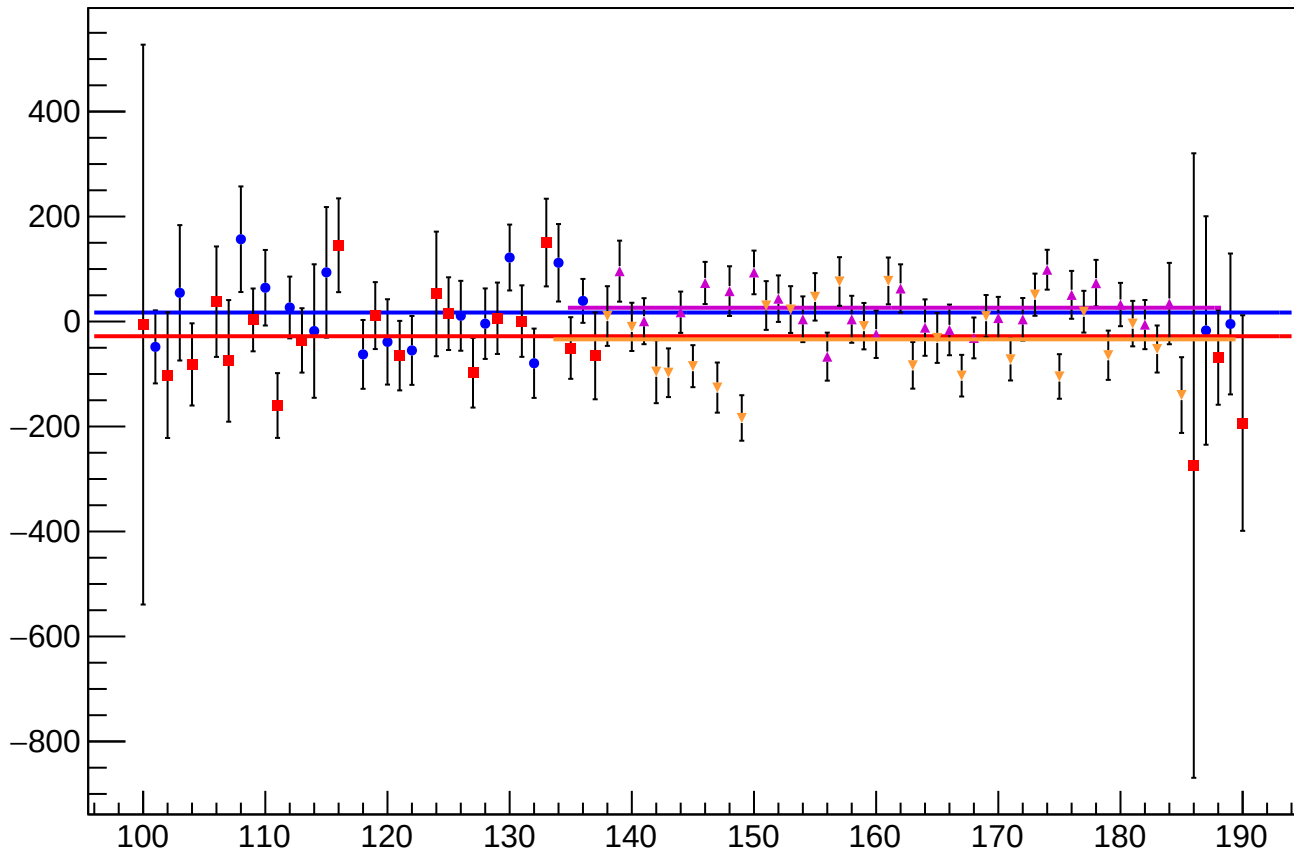
Left In: 300.999+/-0.051 χ^2/NDF : 1407206.0/22

+ sign 324.454+/-0.046 χ^2/NDF : 5060695.7/42

All: 326.844+/-0.033 χ^2/NDF : 10881152.3/87

- sign 329.330+/-0.047 χ^2/NDF : 5815017.7/44

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.116 $\pm$ 17.269 χ^2 /NDF: 14.0/17

Left Out: -33.955 $\pm$ -8.993 χ^2 /NDF: 58.7/24

Right Out: -28.015 $\pm$ -16.963 χ^2 /NDF: 19.0/21

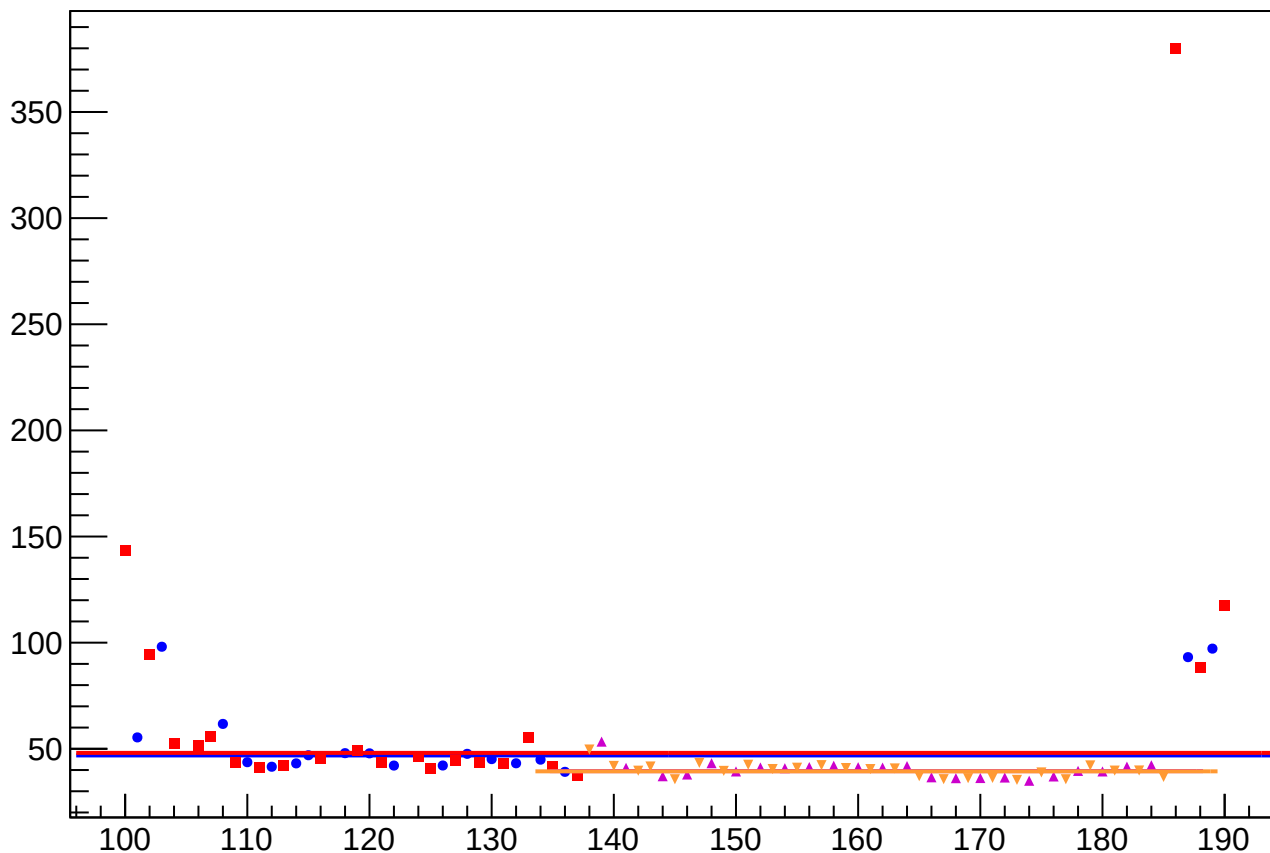
Left In: 26.267 $\pm$ -9.271 χ^2 /NDF: 22.5/22

+ sign -23.059 $\pm$ -7.977 χ^2 /NDF: 79.6/42

All: -5.003 $\pm$ -5.696 χ^2 /NDF: 139.4/87

- sign 13.781 $\pm$ -8.136 χ^2 /NDF: 49.4/44

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 46.878 $\pm$ 0.012 χ^2 /NDF: 881822.9/17

Left Out: 39.383 $\pm$ 0.006 χ^2 /NDF: 228799.9/24

Right Out: 48.077 $\pm$ 0.012 χ^2 /NDF: 1815229.9/21

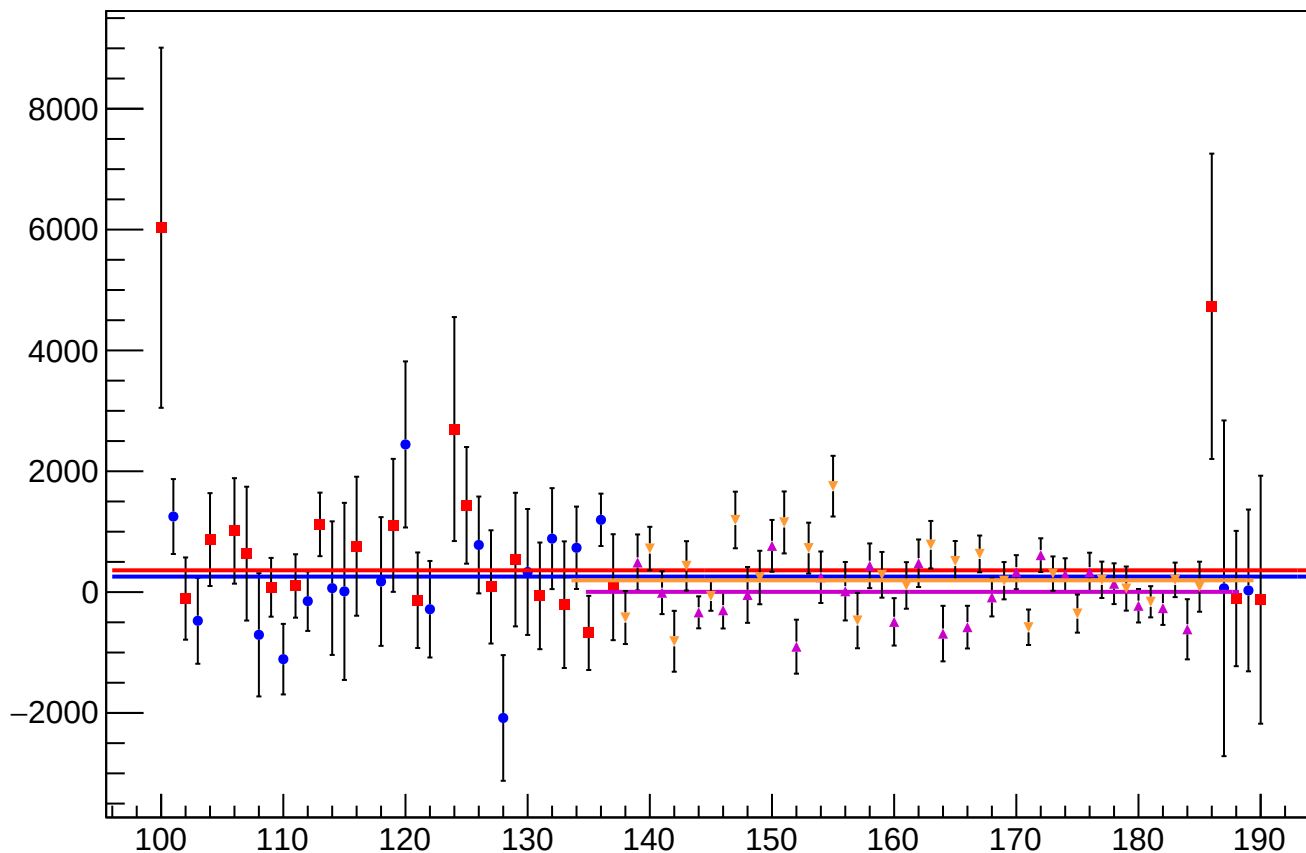
Left In: 39.491 $\pm$ 0.007 χ^2 /NDF: 251801.8/22

+ sign 40.982 $\pm$ 0.006 χ^2 /NDF: 1406993.3/42

All: 41.219 $\pm$ 0.004 χ^2 /NDF: 3872185.3/87

- sign 41.466 $\pm$ 0.006 χ^2 /NDF: 2461579.6/44

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug



Right In: 256.706 $\pm$ 183.066 χ^2 /NDF: 25.0/17

Left Out: 195.028 $\pm$ 70.093 χ^2 /NDF:48.6/24

Right Out: 360.695 $\pm$ 178.419 χ^2 /NDF: 18.4/21

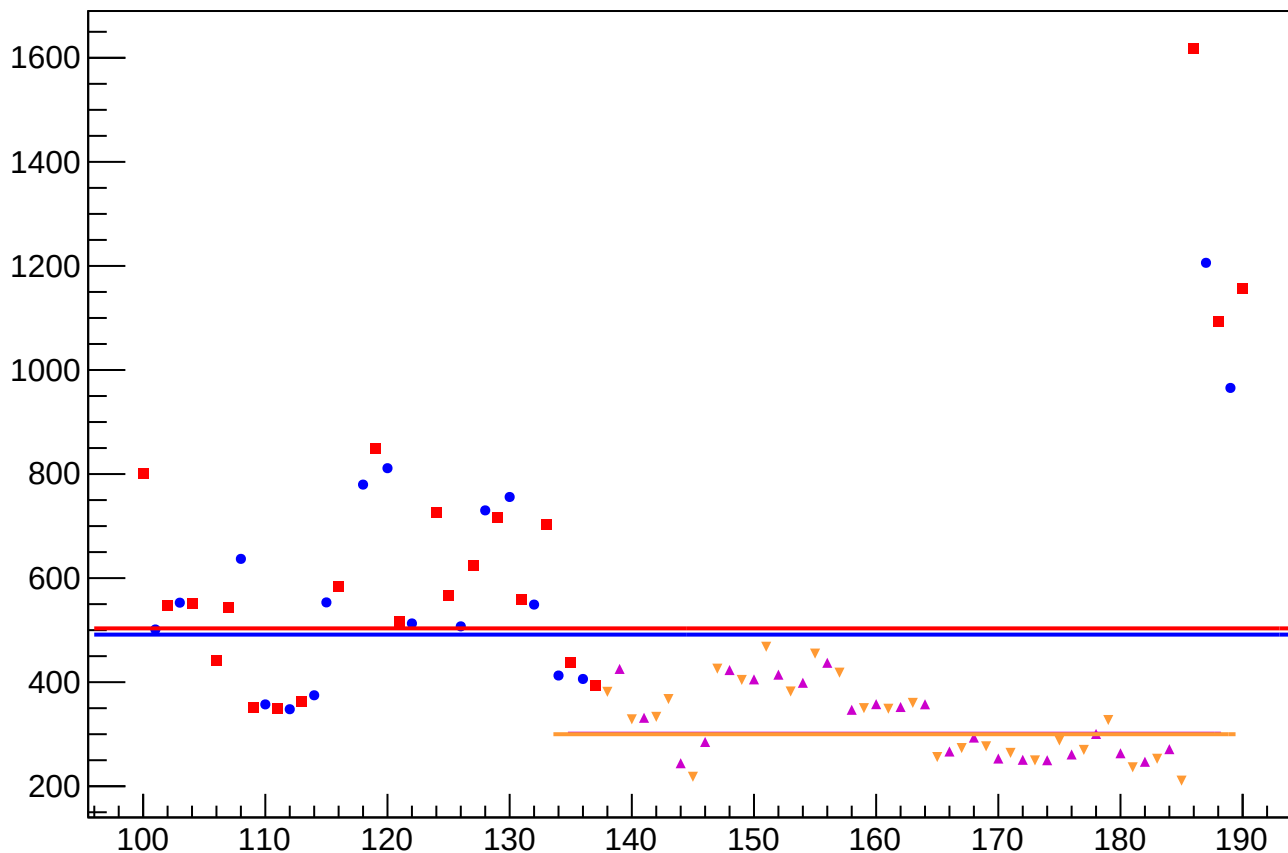
Left In: 4.014 $\pm$ 71.981 χ^2 /NDF:32.4/22

+ sign 202.914 $\pm$ 65.459 χ^2 /NDF: 73.7/42

All: 129.887 $\pm$ 46.737 χ^2 /NDF: 130.5/87

- sign 53.942 $\pm$ 66.753 χ^2 /NDF: 54.2/44

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug



Right In: 491.427 ± 0.129 $\chi^2/\text{NDF}: 1344527.7/17$

Left Out: 299.976 ± 0.050 $\chi^2/\text{NDF}: 1808454.4/24$

Right Out: 503.390 ± 0.126 $\chi^2/\text{NDF}: 2194529.0/21$

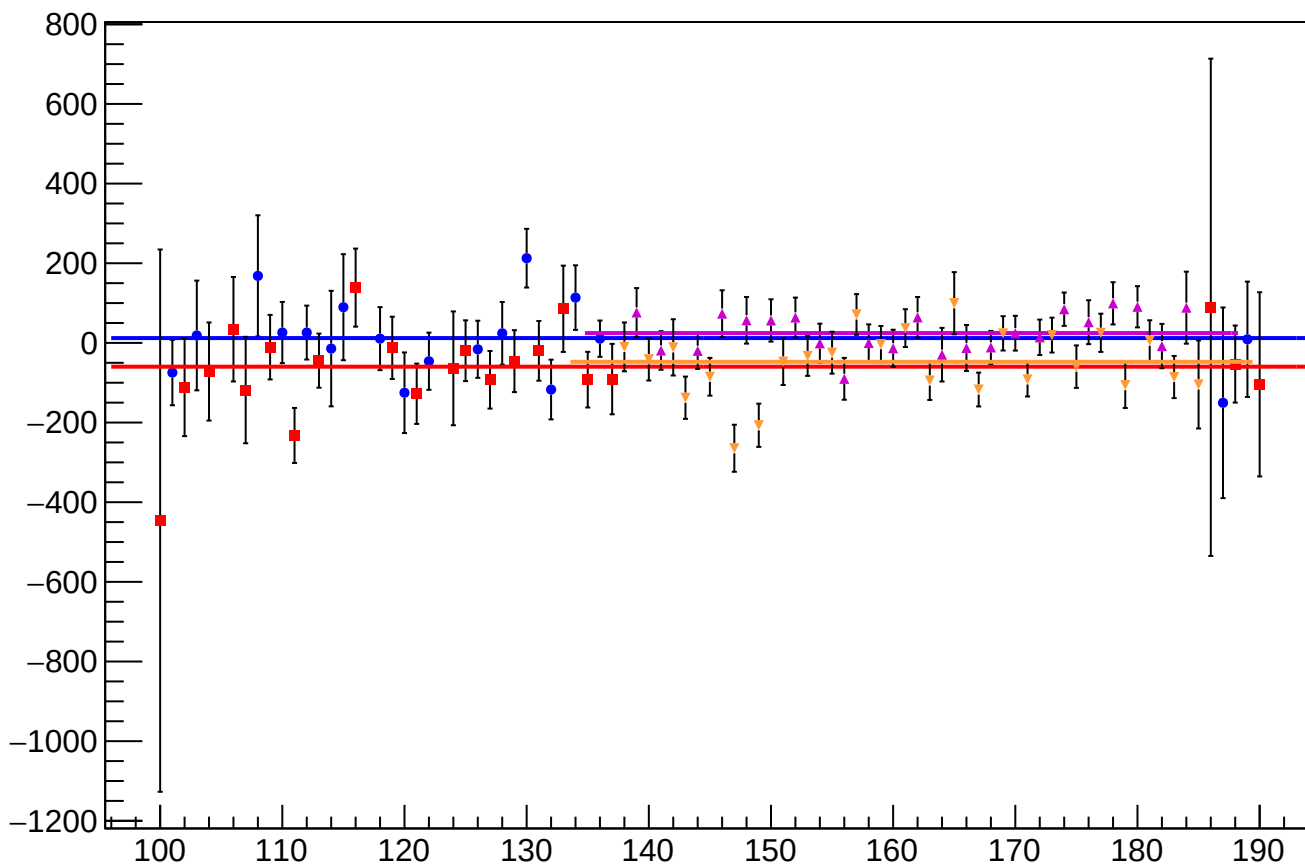
Left In: 300.999 ± 0.051 $\chi^2/\text{NDF}: 1407206.0/22$

+ sign 324.454 ± 0.046 $\chi^2/\text{NDF}: 5060695.7/42$

All: 326.844 ± 0.033 $\chi^2/\text{NDF}: 10881152.3/87$

- sign 329.330 ± 0.047 $\chi^2/\text{NDF}: 5815017.7/44$

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 12.092 ± 19.599 χ^2/NDF : 17.7/17

Left Out: -47.480 ± 10.392 χ^2/NDF : 54.7/24

Right Out: -59.704 ± 19.723 χ^2/NDF : 16.2/21

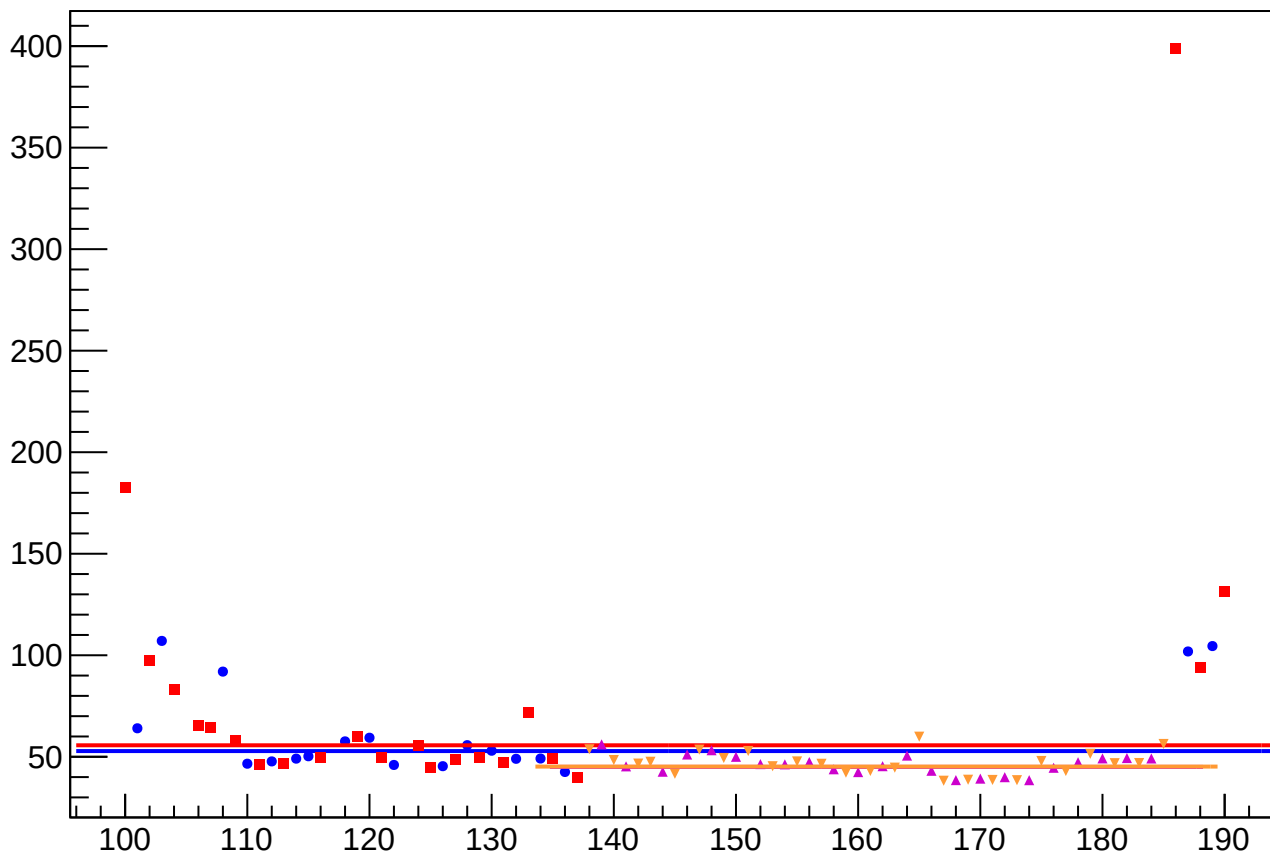
Left In: 24.687 ± 10.660 χ^2/NDF : 19.7/22

+ sign -34.407 ± 9.181 χ^2/NDF : 79.6/42

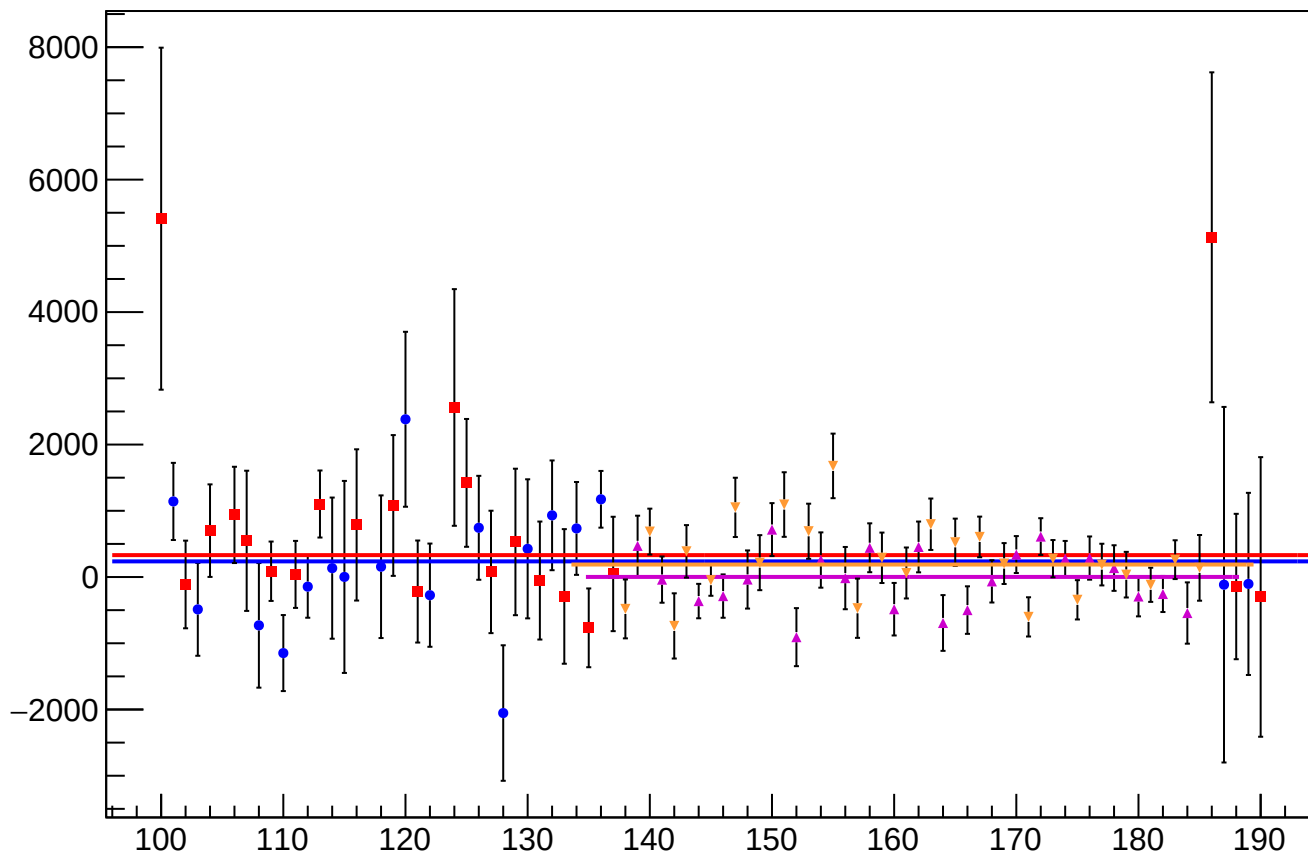
All: -14.823 ± 6.561 χ^2/NDF : 139.0/87

- sign 5.608 ± 9.378 χ^2/NDF : 50.1/44

dit_asym_sam_15_37_dd_rms vs Slug



asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 236.342 ± 178.928 χ^2/NDF : 25.7/17

Left Out: 188.812 ± 69.714 χ^2/NDF : 46.8/24

Right Out: 330.804 ± 170.535 χ^2/NDF : 20.5/21

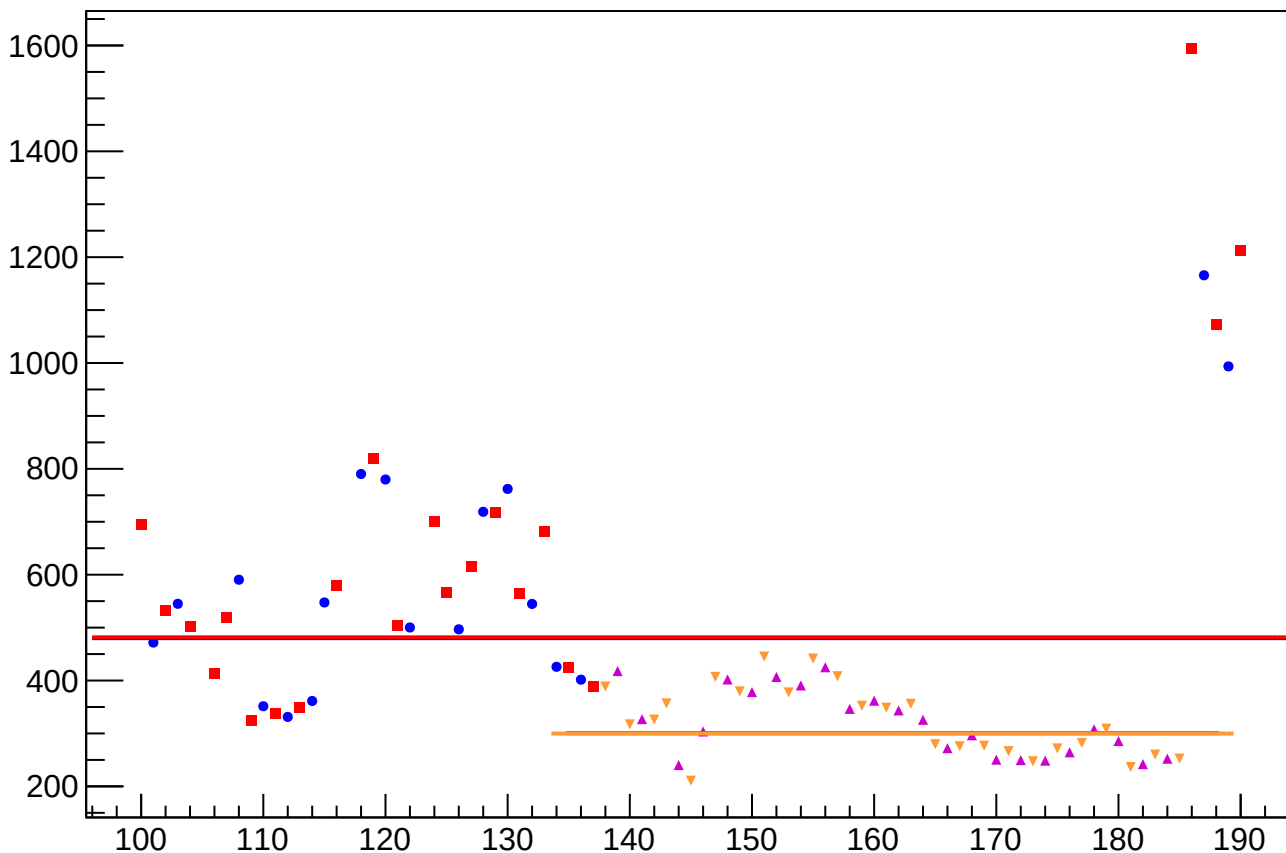
Left In: 1.655 ± 71.712 χ^2/NDF : 32.2/22

+ sign 195.077 ± 64.957 χ^2/NDF : 72.5/42

All: 124.356 ± 46.332 χ^2/NDF : 130.8/87

- sign 51.113 ± 66.105 χ^2/NDF : 55.9/44

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 480.066+/-0.127 χ^2/NDF : 1401239.6/17

Left Out: 299.798+/-0.049 χ^2/NDF : 1577420.4/24

Right Out: 481.612+/-0.121 χ^2/NDF : 2343226.3/21

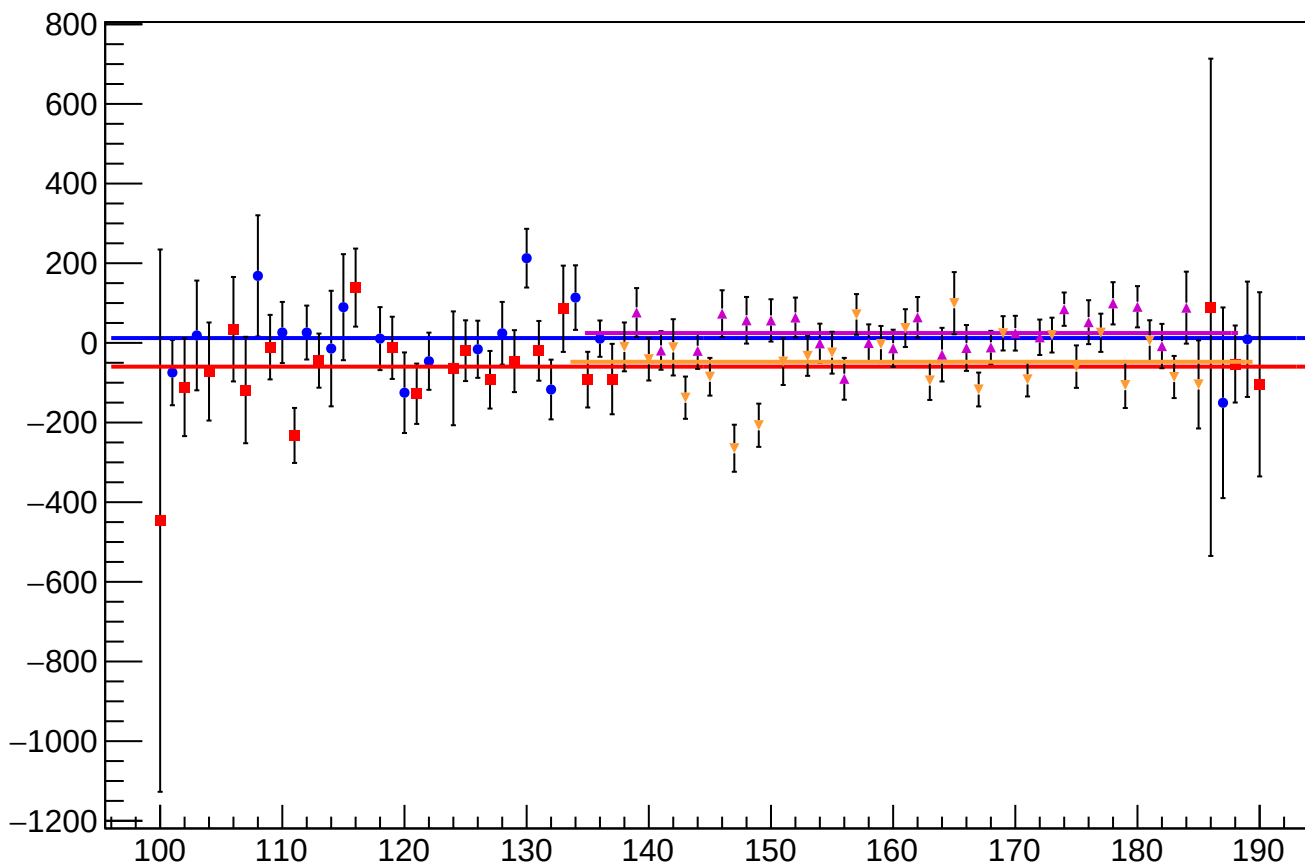
Left In: 300.544+/-0.051 χ^2/NDF : 1259270.5/22

+ sign 323.557+/-0.046 χ^2/NDF : 4741160.8/42

All: 325.617+/-0.033 χ^2/NDF : 10263665.9/87

- sign 327.752+/-0.047 χ^2/NDF : 5518407.3/44

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 12.092 ± 19.599 χ^2/NDF : 17.7/17

Left Out: -47.480 ± 10.392 χ^2/NDF : 54.7/24

Right Out: -59.705 ± 19.723 χ^2/NDF : 16.2/21

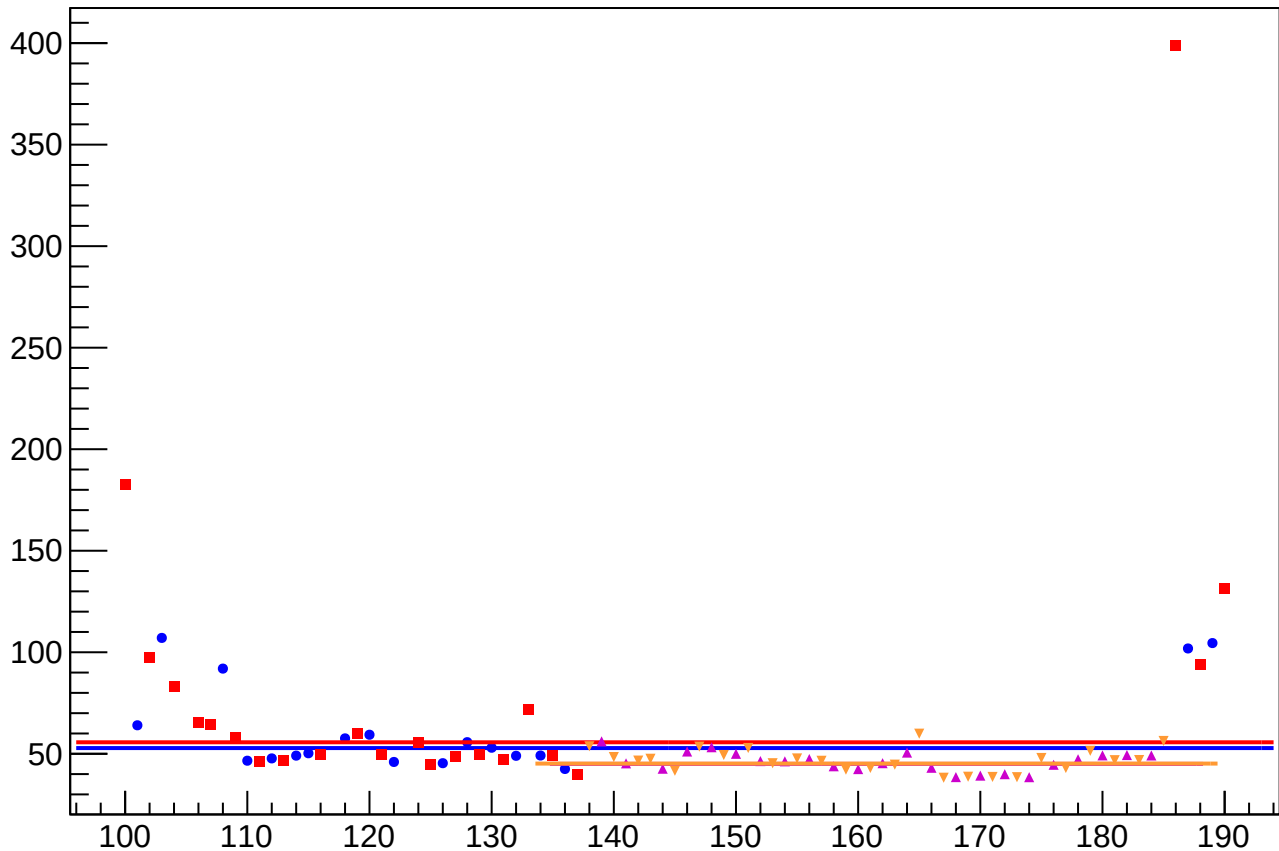
Left In: 24.687 ± 10.660 χ^2/NDF : 19.7/22

+ sign -34.407 ± 9.181 χ^2/NDF : 79.6/42

All: -14.823 ± 6.561 χ^2/NDF : 139.0/87

- sign 5.608 ± 9.378 χ^2/NDF : 50.1/44

eigen_dit_asym_sam_15_37_dd_rms vs Slug



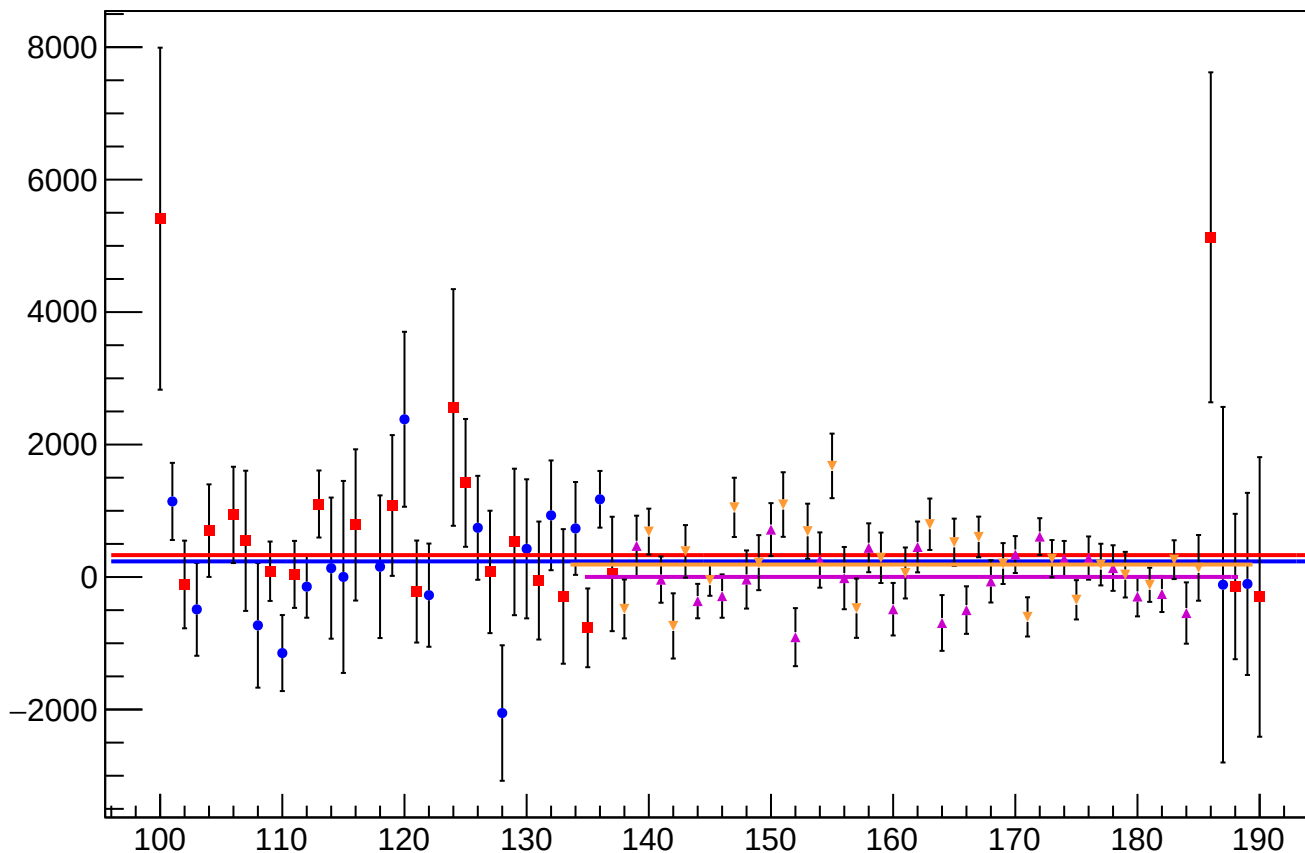
Right In: 52.815 $\pm$ 0.014 χ^2/NDF : 1014823.3/17
 Left Out: 45.175 $\pm$ 0.007 χ^2/NDF : 489860.2/24
 Right Out: 55.662 $\pm$ 0.014 χ^2/NDF : 1881352.8/21
 Left In: 45.017 $\pm$ 0.008 χ^2/NDF : 372691.9/22

+ sign 46.852 $\pm$ 0.006 χ^2/NDF : 1741865.9/42

All: 47.132 $\pm$ 0.005 χ^2/NDF : 4450585.2/87

- sign 47.424 $\pm$ 0.007 χ^2/NDF : 2704914.0/44

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug



Right In: 236.341 ± 178.928 $\chi^2/\text{NDF}: 25.7/17$

Left Out: 188.813 ± 69.714 $\chi^2/\text{NDF}: 46.8/24$

Right Out: 330.804 ± 170.534 $\chi^2/\text{NDF}: 20.5/21$

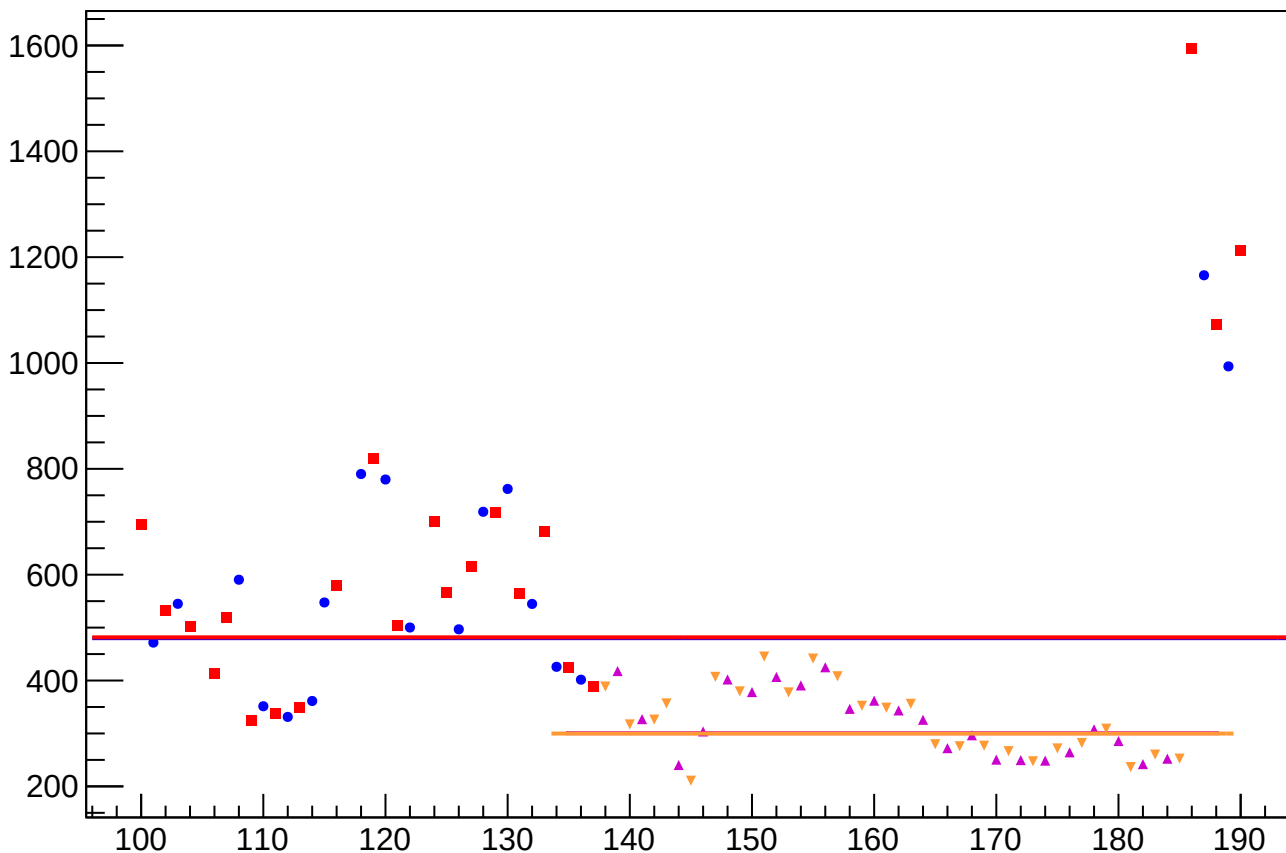
Left In: 1.654 ± 71.712 $\chi^2/\text{NDF}: 32.2/22$

+ sign 195.077 ± 64.958 $\chi^2/\text{NDF}: 72.5/42$

All: 124.356 ± 46.332 $\chi^2/\text{NDF}: 130.8/87$

- sign 51.113 ± 66.105 $\chi^2/\text{NDF}: 55.9/44$

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 480.065 $\pm$ 0.127 χ^2 /NDF: 1401241.8/17

Left Out: 299.798 $\pm$ 0.049 χ^2 /NDF: 1577421.4/24

Right Out: 481.611 $\pm$ 0.121 χ^2 /NDF: 2343222.1/21

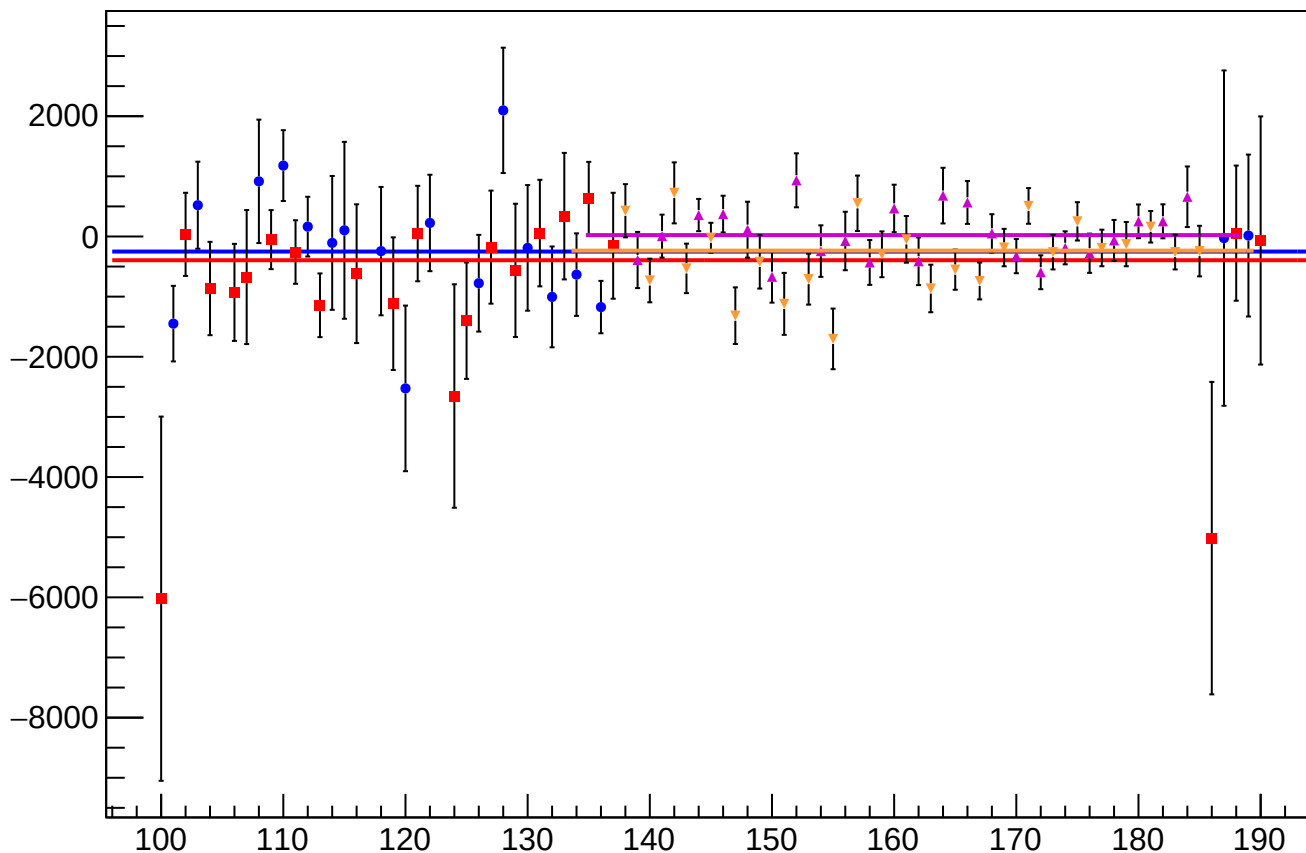
Left In: 300.544 $\pm$ 0.051 χ^2 /NDF: 1259265.2/22

+ sign 323.557 $\pm$ 0.046 χ^2 /NDF: 4741148.4/42

All: 325.618 $\pm$ 0.033 χ^2 /NDF: 10263624.3/87

- sign 327.752 $\pm$ 0.047 χ^2 /NDF: 5518377.7/44

asym_sam_15_37_dd_mean vs Slug



Right In: -250.639 ± 184.294 χ^2/NDF : 27.0/17

Left Out: -235.168 ± 70.741 χ^2/NDF : 47.5/24

Right Out: -394.795 ± 178.901 χ^2/NDF : 17.6/21

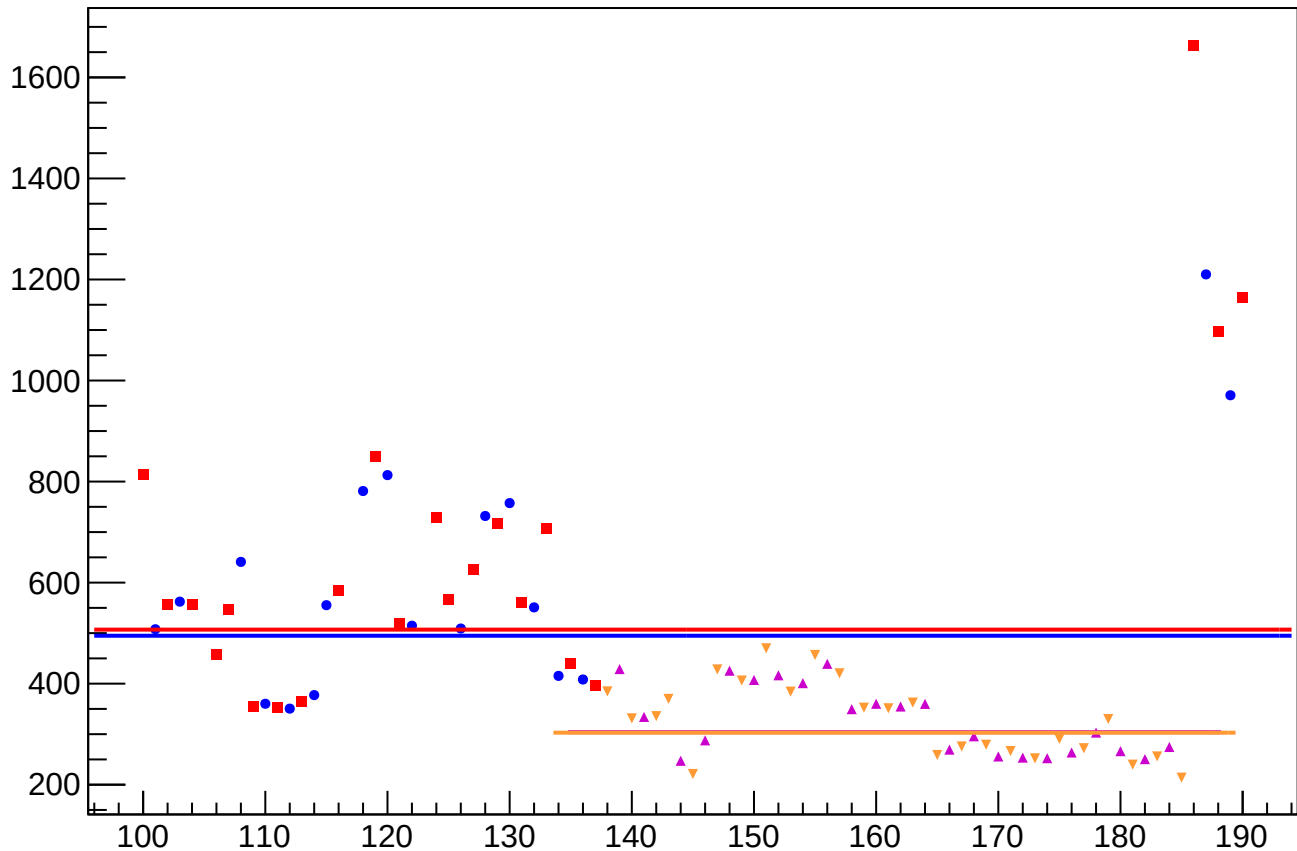
Left In: 22.662 ± 72.642 χ^2/NDF : 29.9/22

+ sign -237.155 ± 66.043 χ^2/NDF : 74.4/42

All: -138.690 ± 47.139 χ^2/NDF : 131.1/87

- sign -36.424 ± 67.305 χ^2/NDF : 52.1/44

asym_sam_15_37_dd_rms vs Slug



Right In: 494.844 ± 0.130 $\chi^2/\text{NDF}: 1336976.0/17$

Left Out: 302.944 ± 0.050 $\chi^2/\text{NDF}: 1766061.8/24$

Right Out: 506.953 ± 0.127 $\chi^2/\text{NDF}: 2187649.5/21$

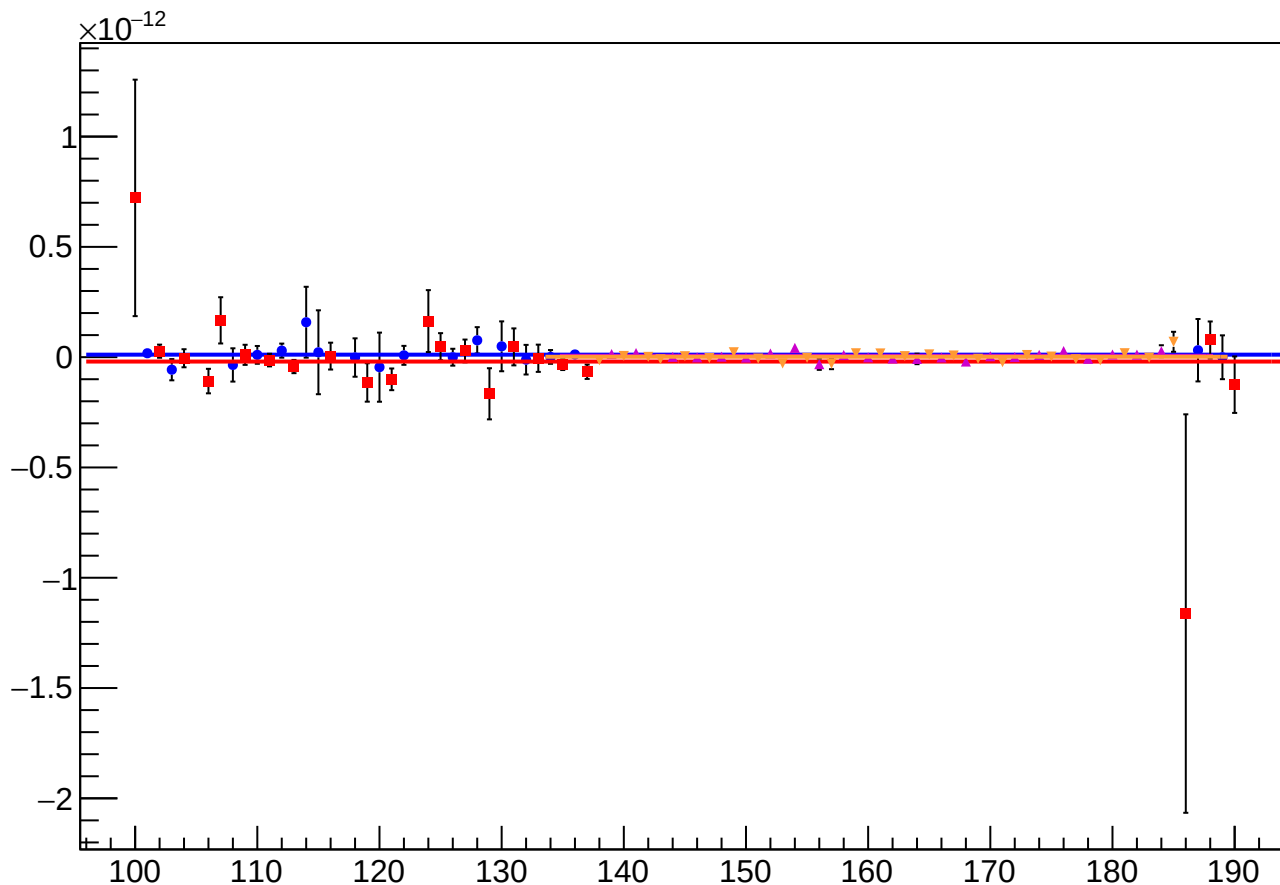
Left In: 303.923 ± 0.051 $\chi^2/\text{NDF}: 1376278.3/22$

+ sign 327.587 ± 0.047 $\chi^2/\text{NDF}: 4993059.8/42$

All: 330.075 ± 0.033 $\chi^2/\text{NDF}: 10774063.3/87$

- sign 332.659 ± 0.048 $\chi^2/\text{NDF}: 5775216.4/44$

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:22.9/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/21

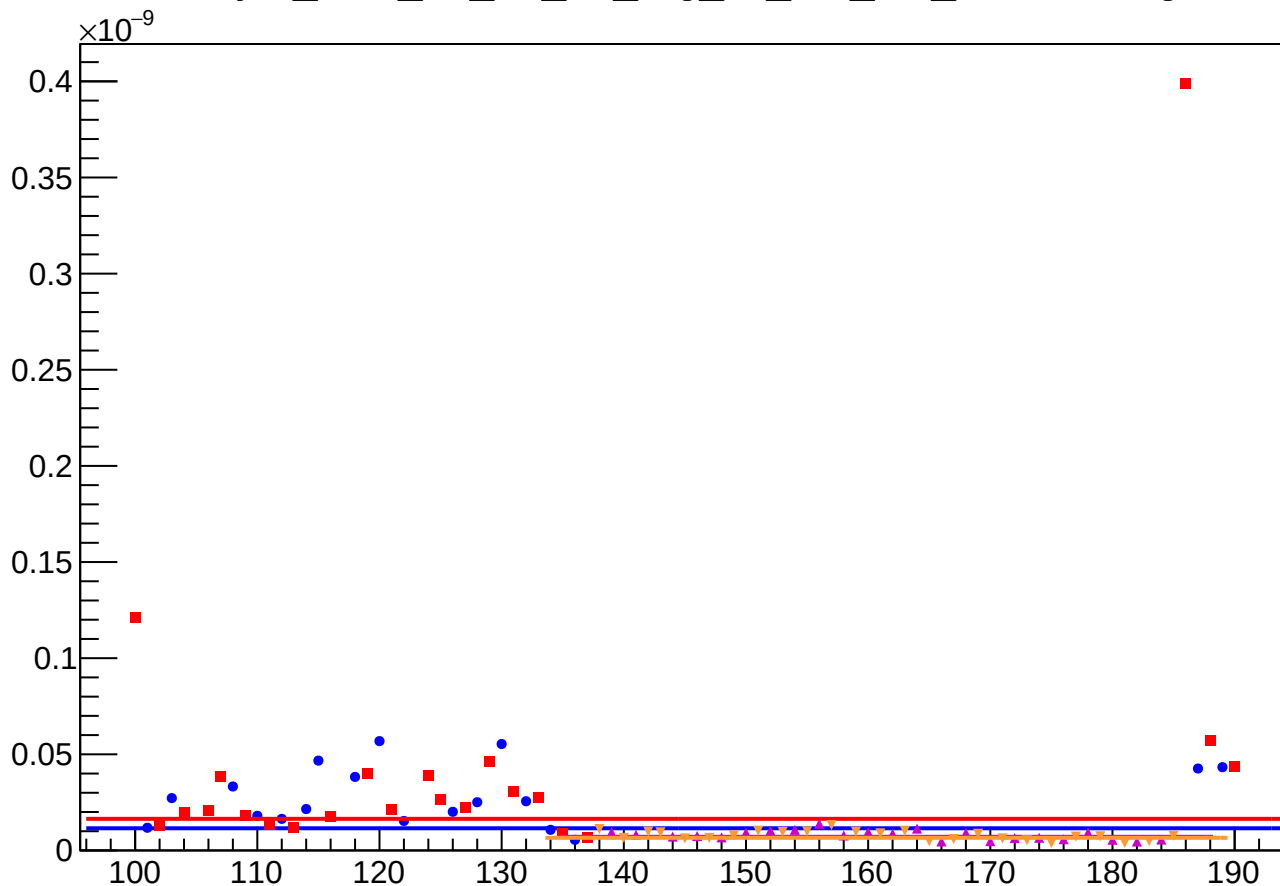
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:18.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 29.6/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 81.4/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 51.6/44

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2407064.8/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF :1479029.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2123397.4/21

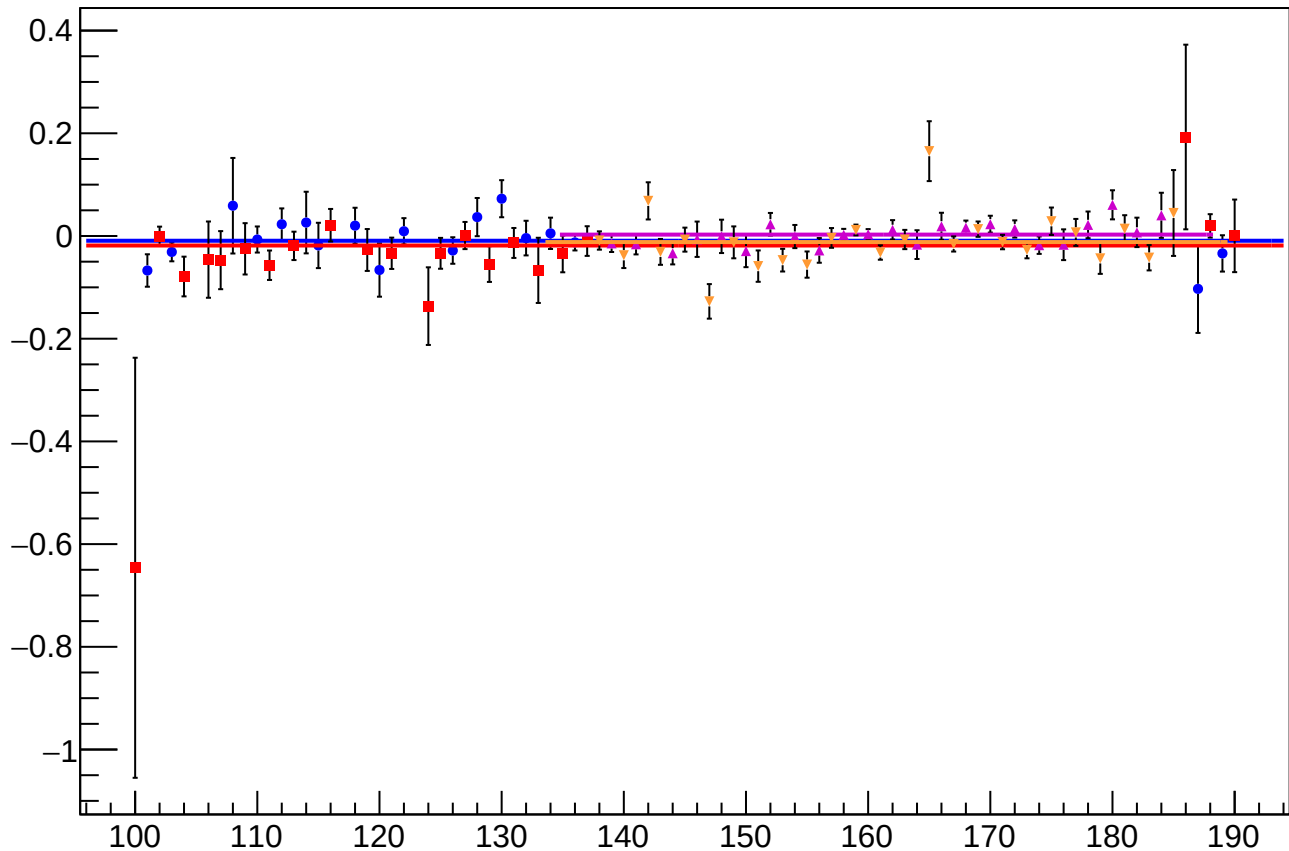
Left In: 0.000 $\pm$ 0.000 χ^2/NDF :981529.7/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 4586672.4/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 9338903.5/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 4678448.5/44

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.007 χ^2/NDF : 18.5/17

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.019 ± 0.007 χ^2/NDF : 19.3/21

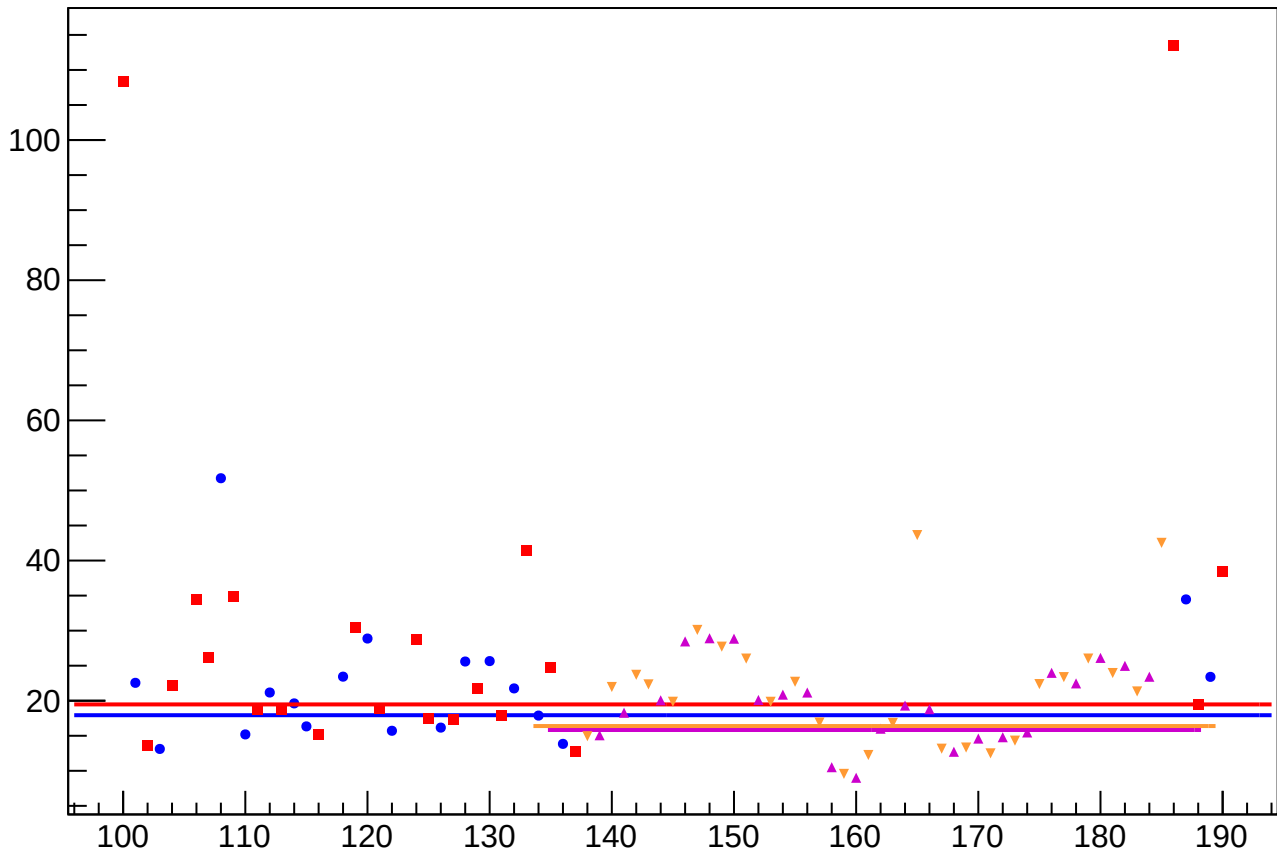
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.011 ± 0.004 χ^2/NDF : 72.0/42

All: -0.007 ± 0.002 χ^2/NDF : 120.7/87

- sign -0.002 ± 0.004 χ^2/NDF : 45.6/44

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.934 ± 0.005 χ^2/NDF : 1119828.7/17

Left Out: 16.387 ± 0.003 χ^2/NDF : 4030028.3/24

Right Out: 19.474 ± 0.005 χ^2/NDF : 1943155.3/21

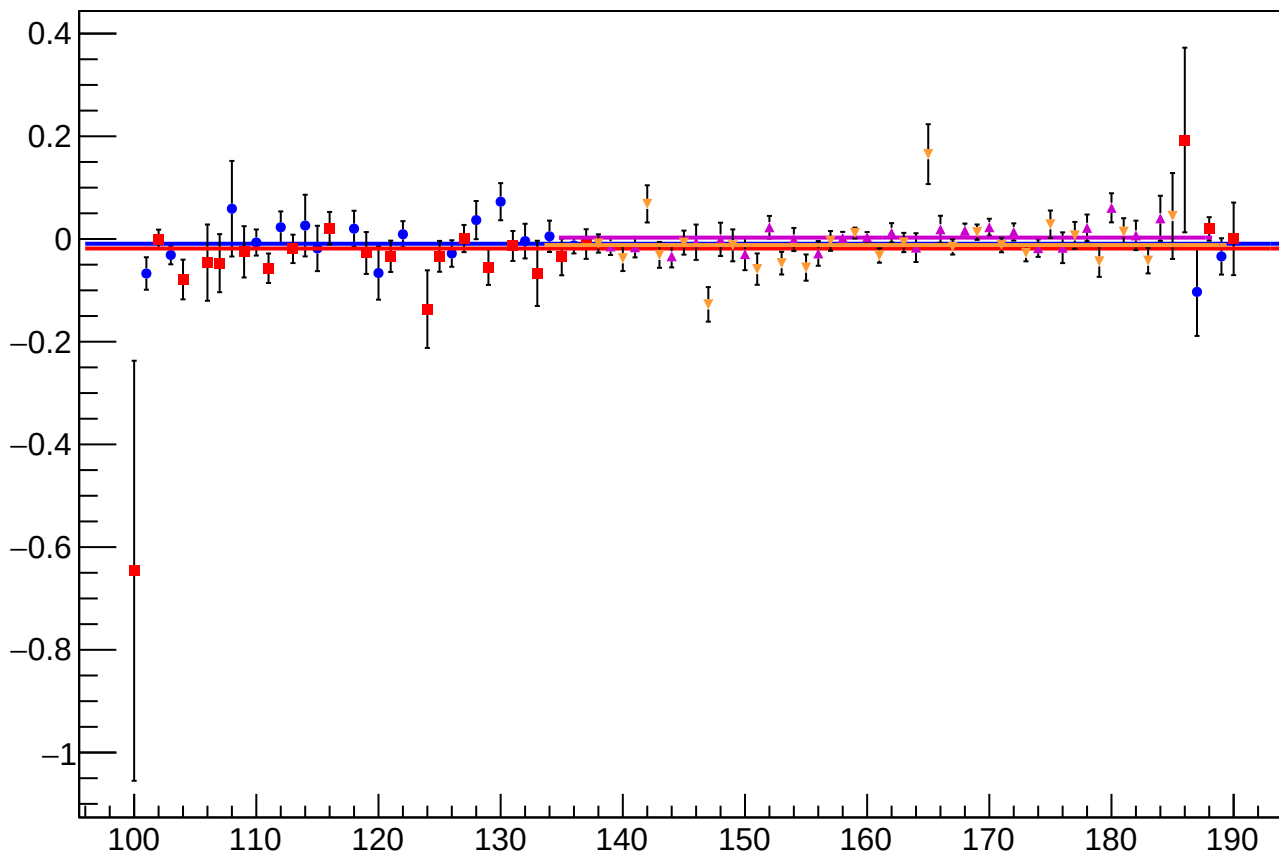
Left In: 15.824 ± 0.003 χ^2/NDF : 3654469.7/22

+ sign 16.775 ± 0.002 χ^2/NDF : 5222393.0/42

All: 16.729 ± 0.002 χ^2/NDF : 11204688.6/87

- sign 16.682 ± 0.002 χ^2/NDF : 5981598.7/44

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.007 χ^2/NDF : 18.5/17

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.019 ± 0.007 χ^2/NDF : 19.3/21

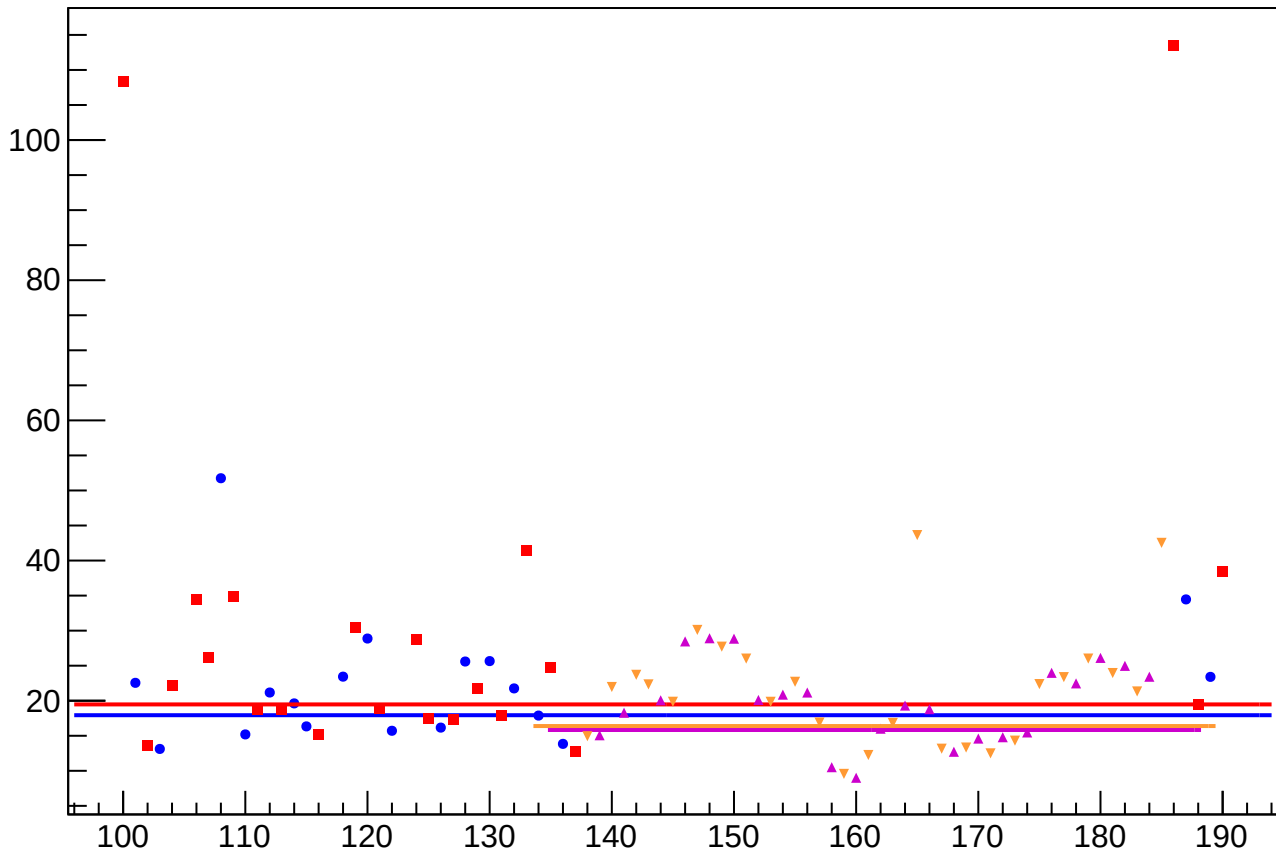
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.011 ± 0.004 χ^2/NDF : 72.0/42

All: -0.007 ± 0.002 χ^2/NDF : 120.7/87

- sign -0.002 ± 0.004 χ^2/NDF : 45.6/44

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 17.934 $\pm$ 0.005 χ^2/NDF : 1119828.7/17

Left Out: 16.387 $\pm$ 0.003 χ^2/NDF : 4030028.3/24

Right Out: 19.474 $\pm$ 0.005 χ^2/NDF : 1943155.3/21

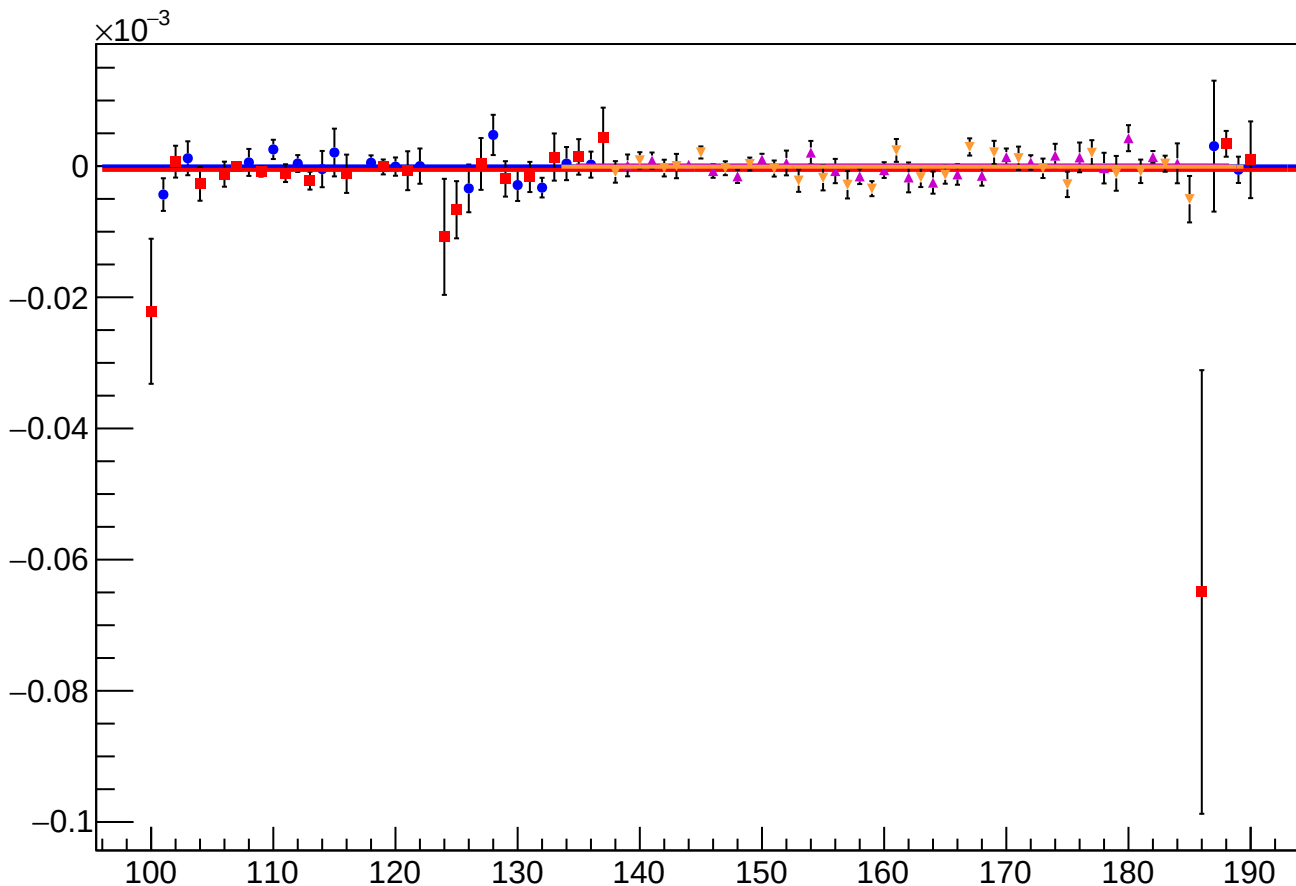
Left In: 15.824 $\pm$ 0.003 χ^2/NDF : 3654469.7/22

+ sign 16.775 $\pm$ 0.002 χ^2/NDF : 5222393.0/42

All: 16.729 $\pm$ 0.002 χ^2/NDF : 11204688.6/87

- sign 16.682 $\pm$ 0.002 χ^2/NDF : 5981598.7/44

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 16.7/17

Left Out: -0.000+/-0.000 χ^2/NDF : 36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF : 20.8/21

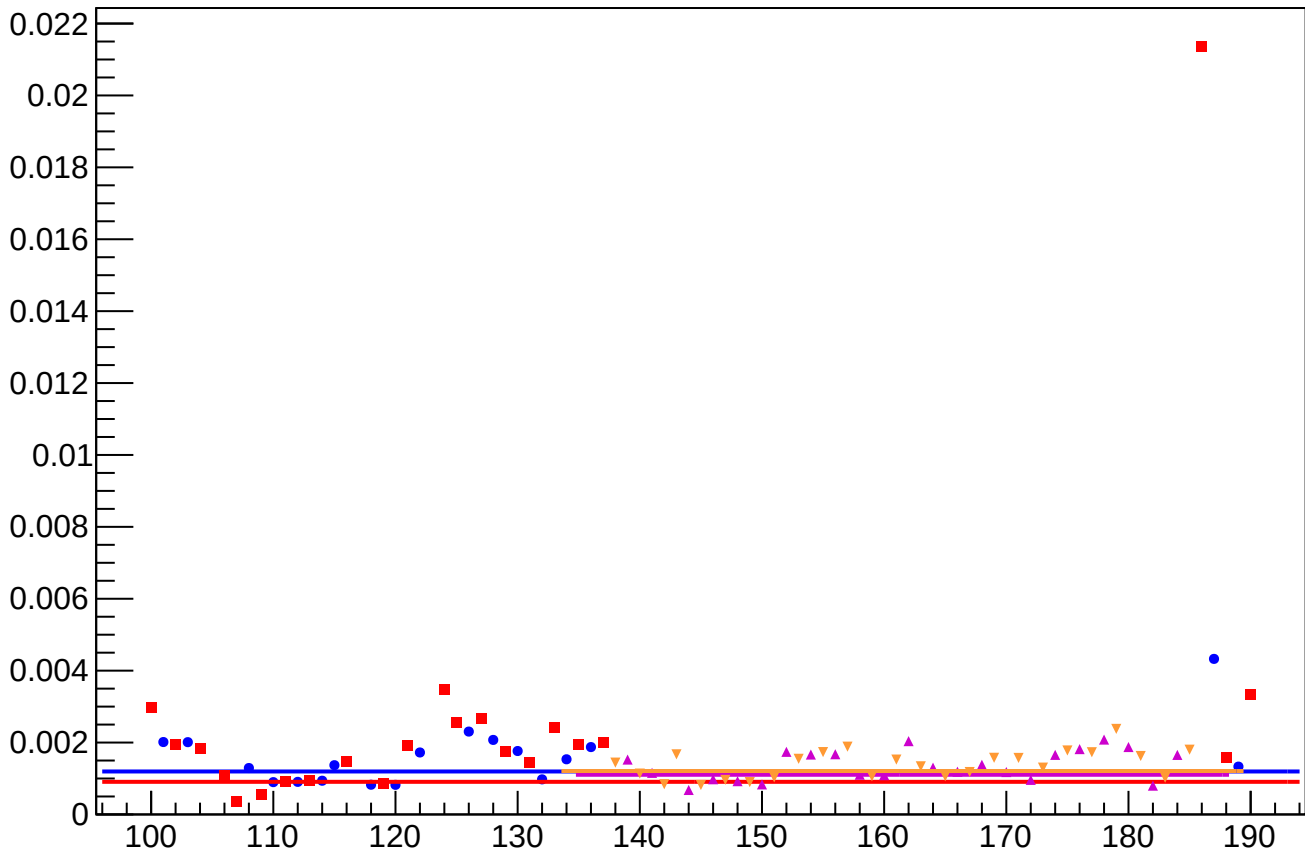
Left In: 0.000+/-0.000 χ^2/NDF : 21.9/22

+ sign -0.000+/-0.000 χ^2/NDF : 52.8/42

All: -0.000+/-0.000 χ^2/NDF : 97.7/87

- sign -0.000+/-0.000 χ^2/NDF : 44.9/44

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 2036105.2/17

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 2720984.6/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 5765683.5/21

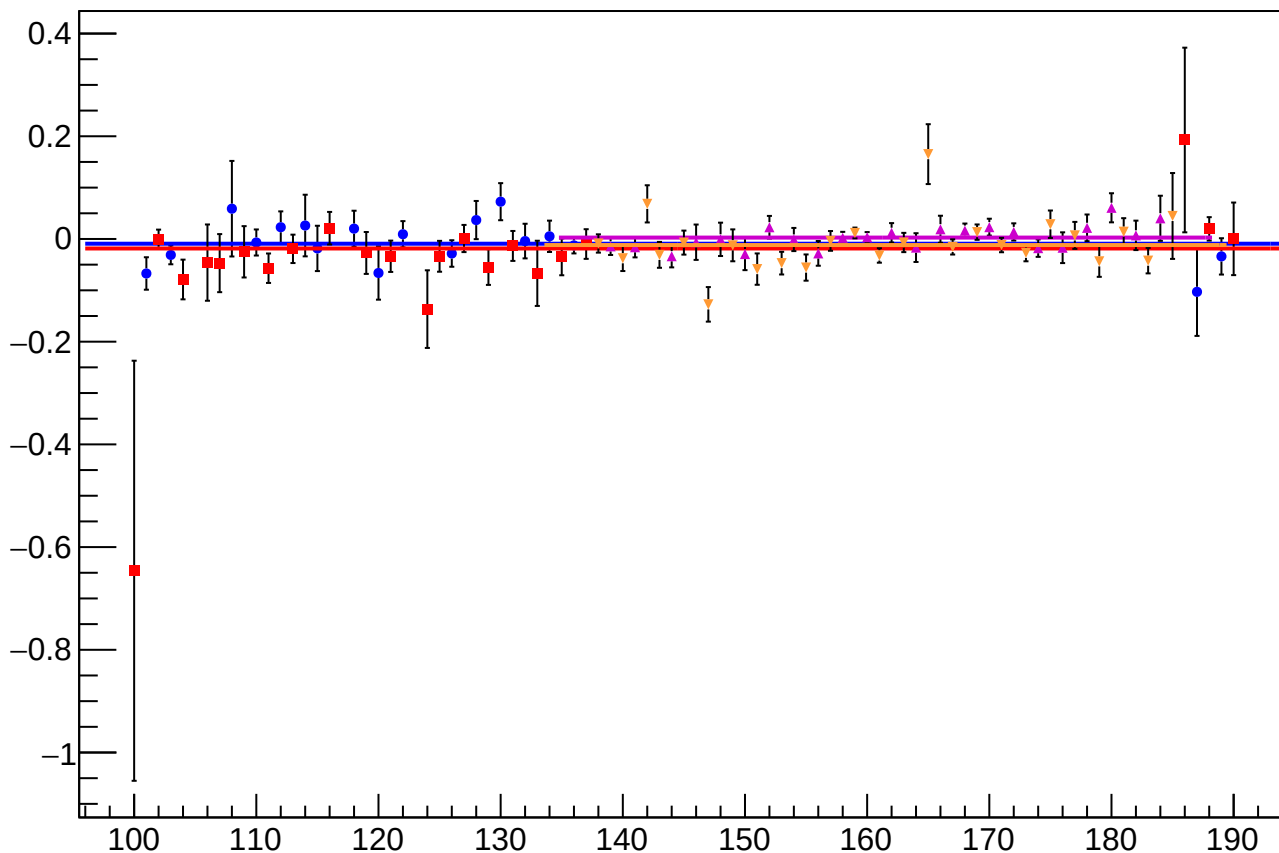
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 3494983.4/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4758095.3/42

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 14905163.2/87

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 9620803.7/44

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009 ± 0.007 χ^2/NDF : 18.4/17

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.019 ± 0.007 χ^2/NDF : 19.3/21

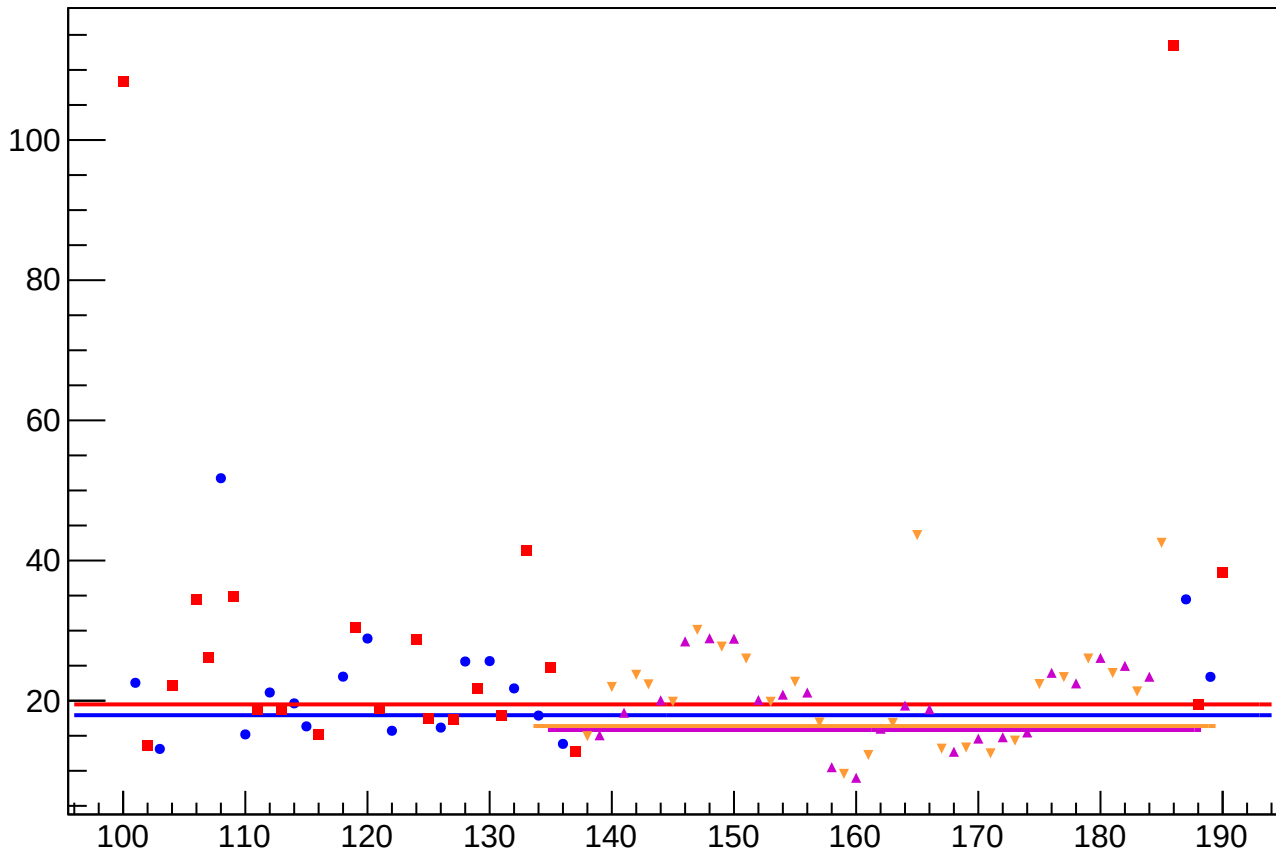
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.011 ± 0.004 χ^2/NDF : 72.0/42

All: -0.007 ± 0.002 χ^2/NDF : 120.7/87

- sign -0.002 ± 0.004 χ^2/NDF : 45.6/44

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 17.935 $\pm$ 0.005 χ^2 /NDF: 1119888.7/17

Left Out: 16.387 $\pm$ 0.003 χ^2 /NDF: 4030277.2/24

Right Out: 19.475 $\pm$ 0.005 χ^2 /NDF: 1943033.3/21

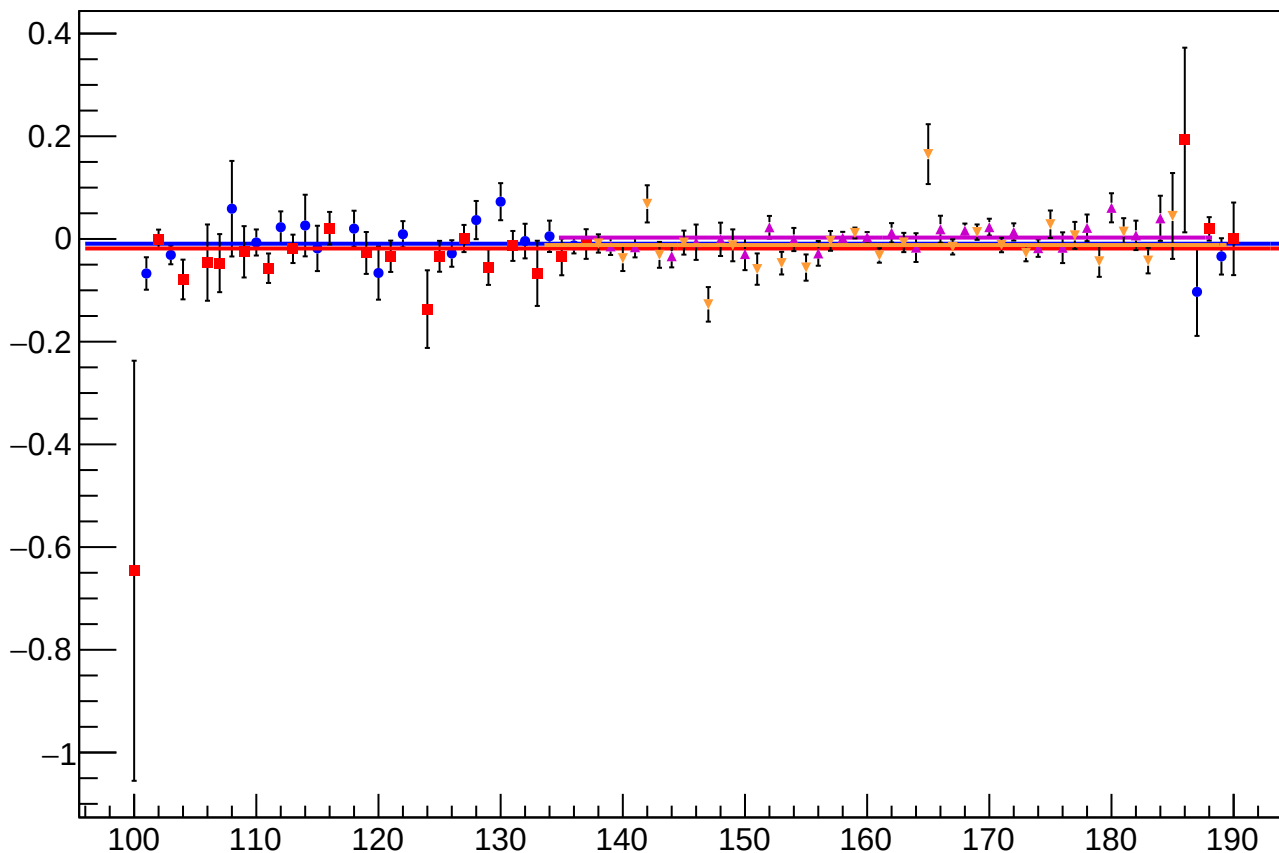
Left In: 15.823 $\pm$ 0.003 χ^2 /NDF: 3654834.3/22

+ sign 16.775 $\pm$ 0.002 χ^2 /NDF: 5222727.2/42

All: 16.729 $\pm$ 0.002 χ^2 /NDF: 11205417.2/87

- sign 16.682 $\pm$ 0.002 χ^2 /NDF: 5981993.5/44

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009 ± 0.007 χ^2/NDF : 18.4/17

Left Out: -0.012 ± 0.004 χ^2/NDF : 53.4/24

Right Out: -0.019 ± 0.007 χ^2/NDF : 19.3/21

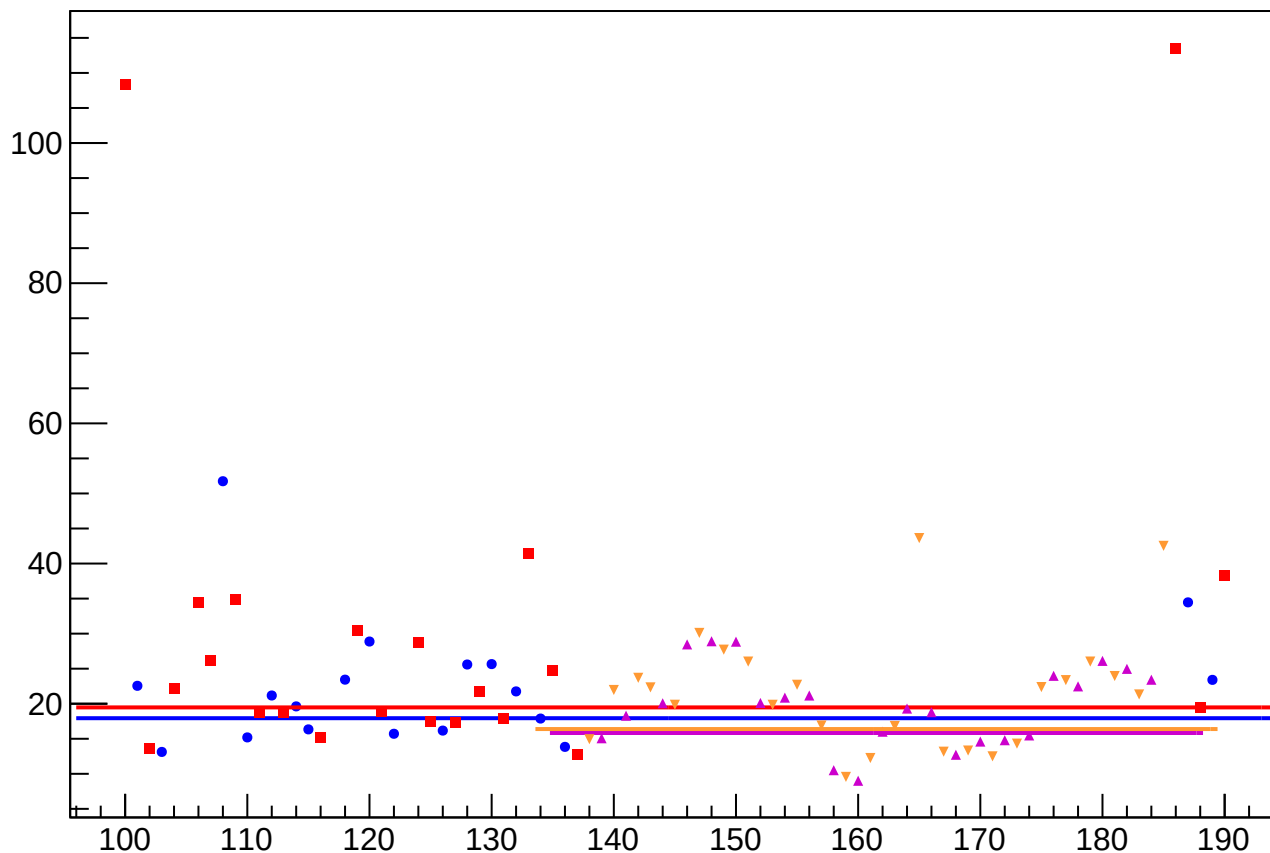
Left In: 0.003 ± 0.004 χ^2/NDF : 19.8/22

+ sign -0.011 ± 0.004 χ^2/NDF : 72.0/42

All: -0.007 ± 0.002 χ^2/NDF : 120.7/87

- sign -0.002 ± 0.004 χ^2/NDF : 45.6/44

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 17.935 $\pm$ 0.005 χ^2/NDF : 1119888.7/17

Left Out: 16.387 $\pm$ 0.003 χ^2/NDF : 4030277.2/24

Right Out: 19.475 $\pm$ 0.005 χ^2/NDF : 1943033.3/21

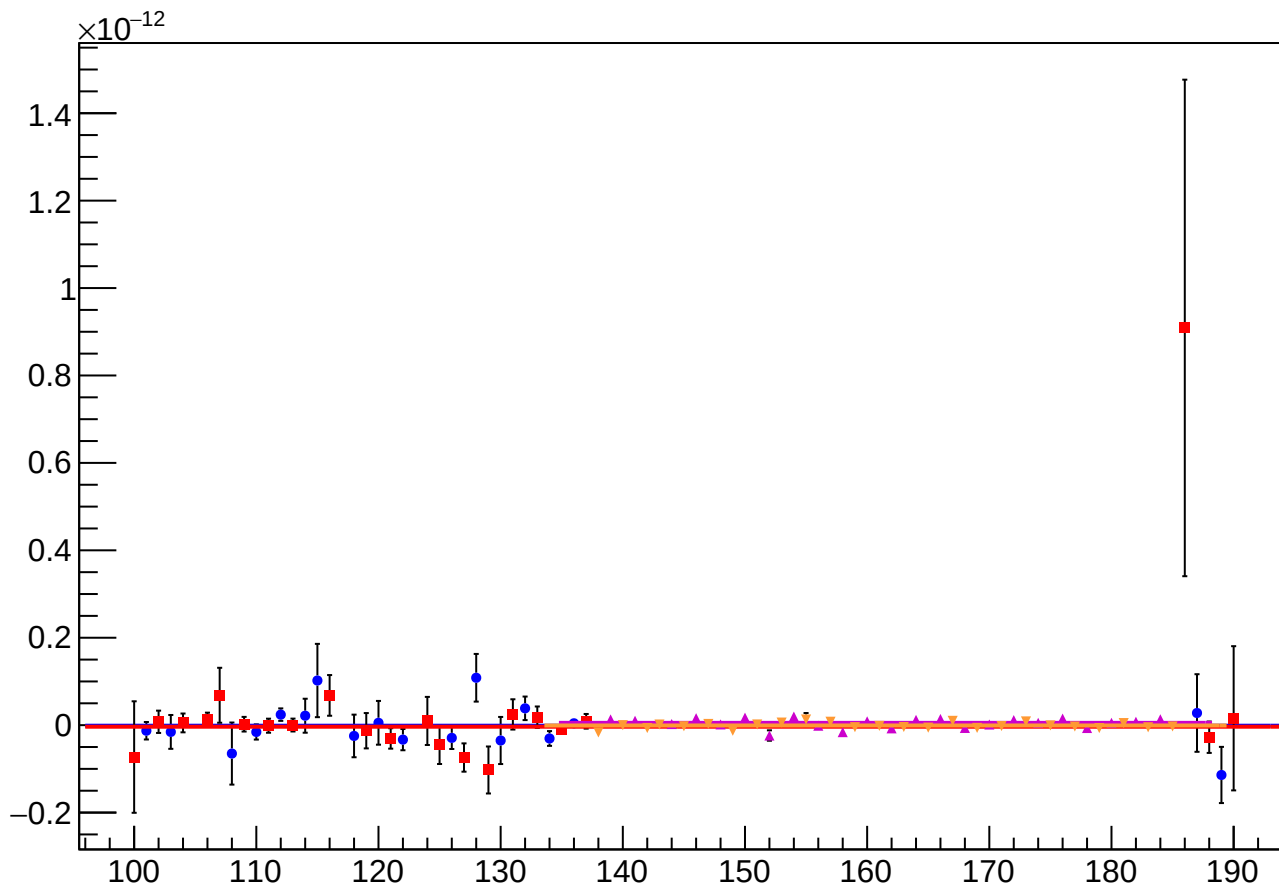
Left In: 15.823 $\pm$ 0.003 χ^2/NDF : 3654834.3/22

+ sign 16.775 $\pm$ 0.002 χ^2/NDF : 5222727.2/42

All: 16.729 $\pm$ 0.002 χ^2/NDF : 11205417.2/87

- sign 16.682 $\pm$ 0.002 χ^2/NDF : 5981993.5/44

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 23.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 19.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 22.2/21

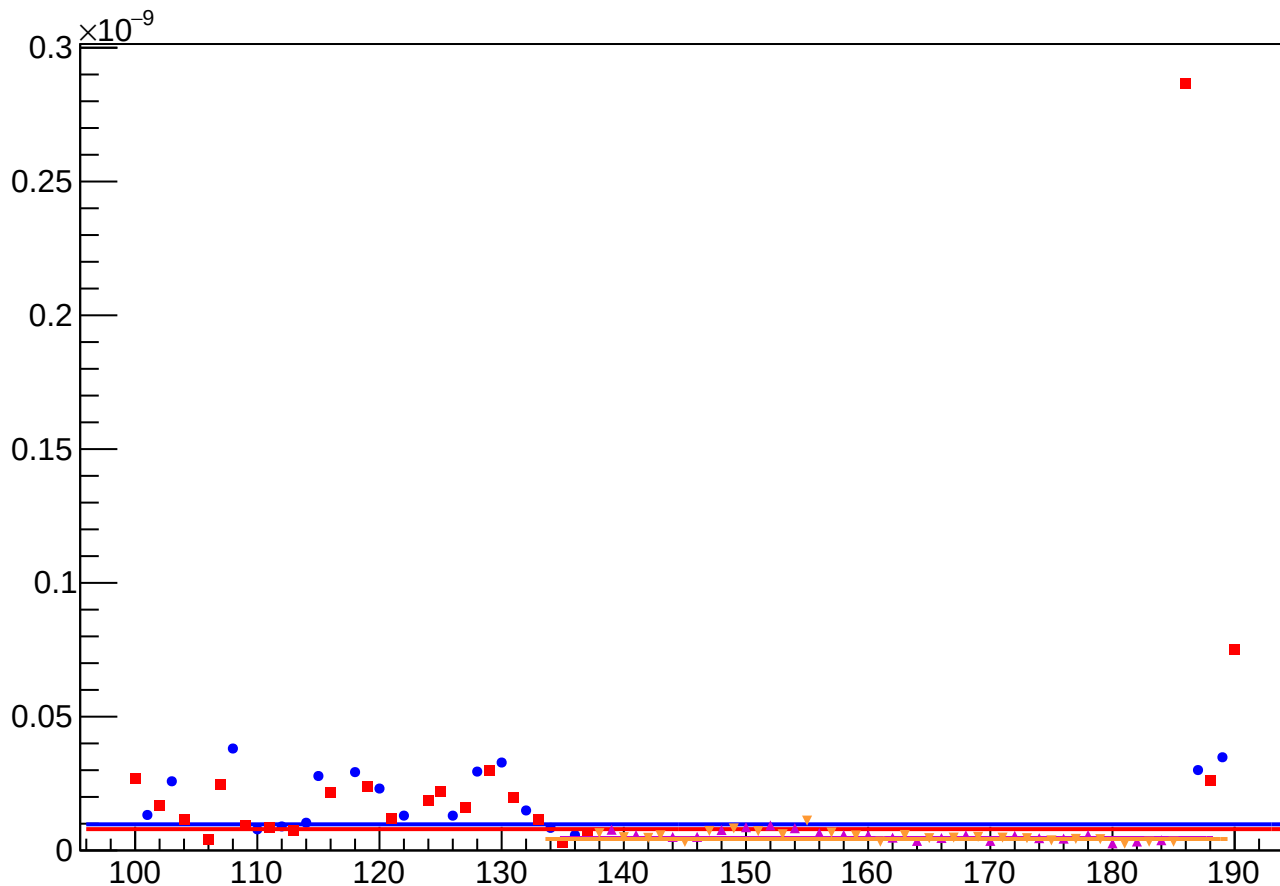
Left In: 0.000 ± 0.000 χ^2/NDF : 37.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 42.6/42

All: 0.000 ± 0.000 χ^2/NDF : 114.7/87

- sign 0.000 ± 0.000 χ^2/NDF : 63.7/44

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3044710.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2583638.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4416032.7/21

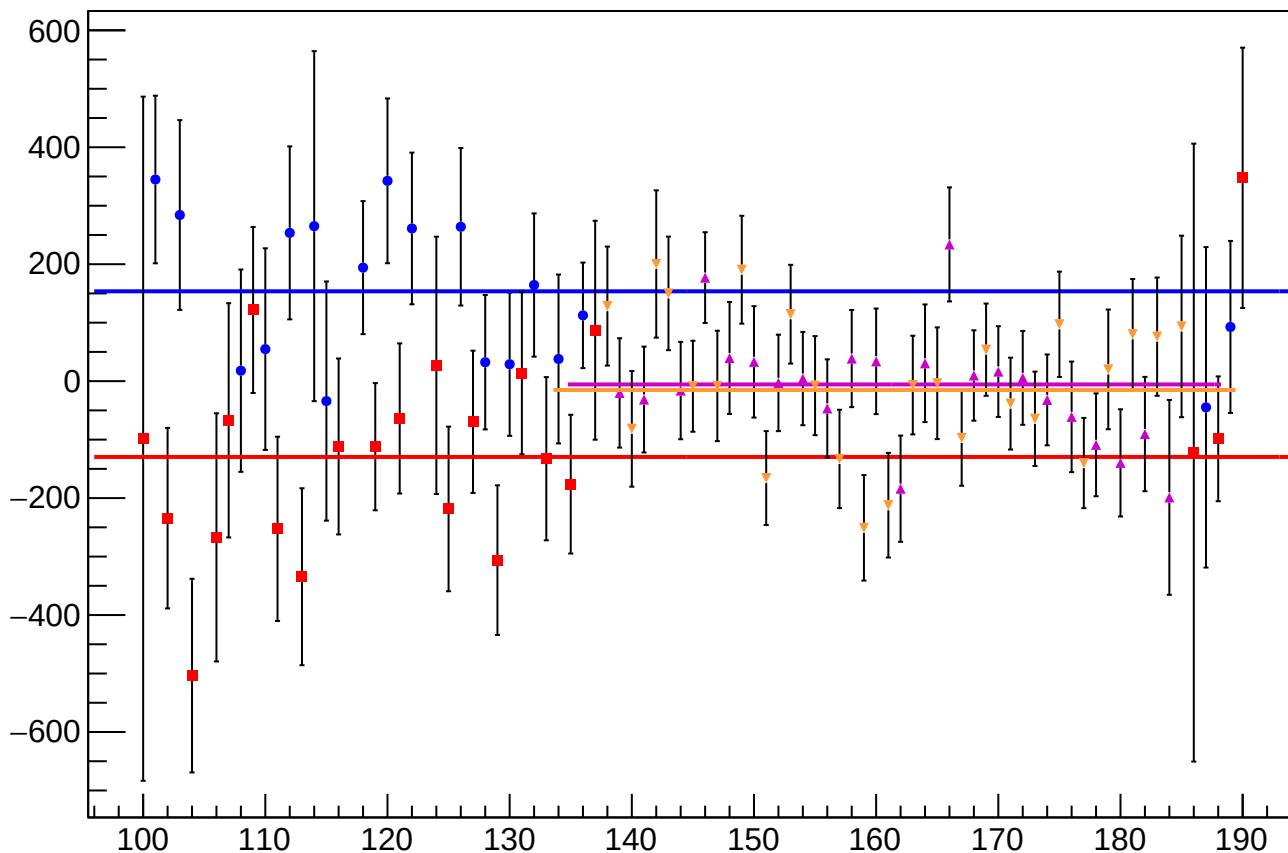
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2508440.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7851317.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 15858792.3/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7936815.6/44

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 153.650 ± 33.041 $\chi^2/\text{NDF}: 11.8/17$

Left Out: -15.100 ± 17.957 $\chi^2/\text{NDF}: 41.6/24$

Right Out: -129.622 ± 32.177 $\chi^2/\text{NDF}: 22.3/21$

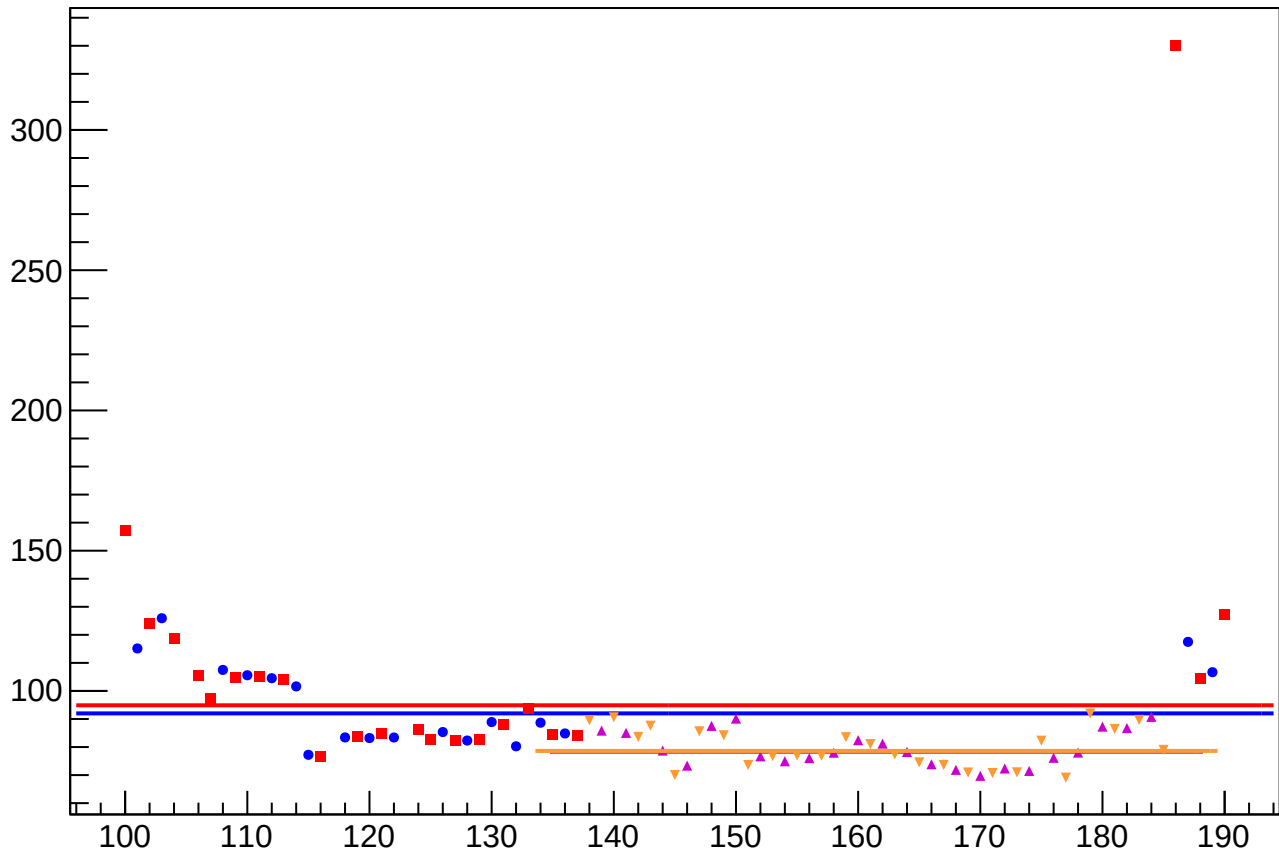
Left In: -5.629 ± 18.382 $\chi^2/\text{NDF}: 23.0/22$

+ sign 23.378 ± 15.777 $\chi^2/\text{NDF}: 73.6/42$

All: -6.036 ± 11.221 $\chi^2/\text{NDF}: 137.1/87$

- sign -36.137 ± 15.961 $\chi^2/\text{NDF}: 56.5/44$

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 91.992 $\pm$ 0.023 χ^2 /NDF: 312481.8/17

Left Out: 78.618 $\pm$ 0.013 χ^2 /NDF:307235.6/24

Right Out: 94.878 $\pm$ 0.023 χ^2 /NDF: 769573.6/21

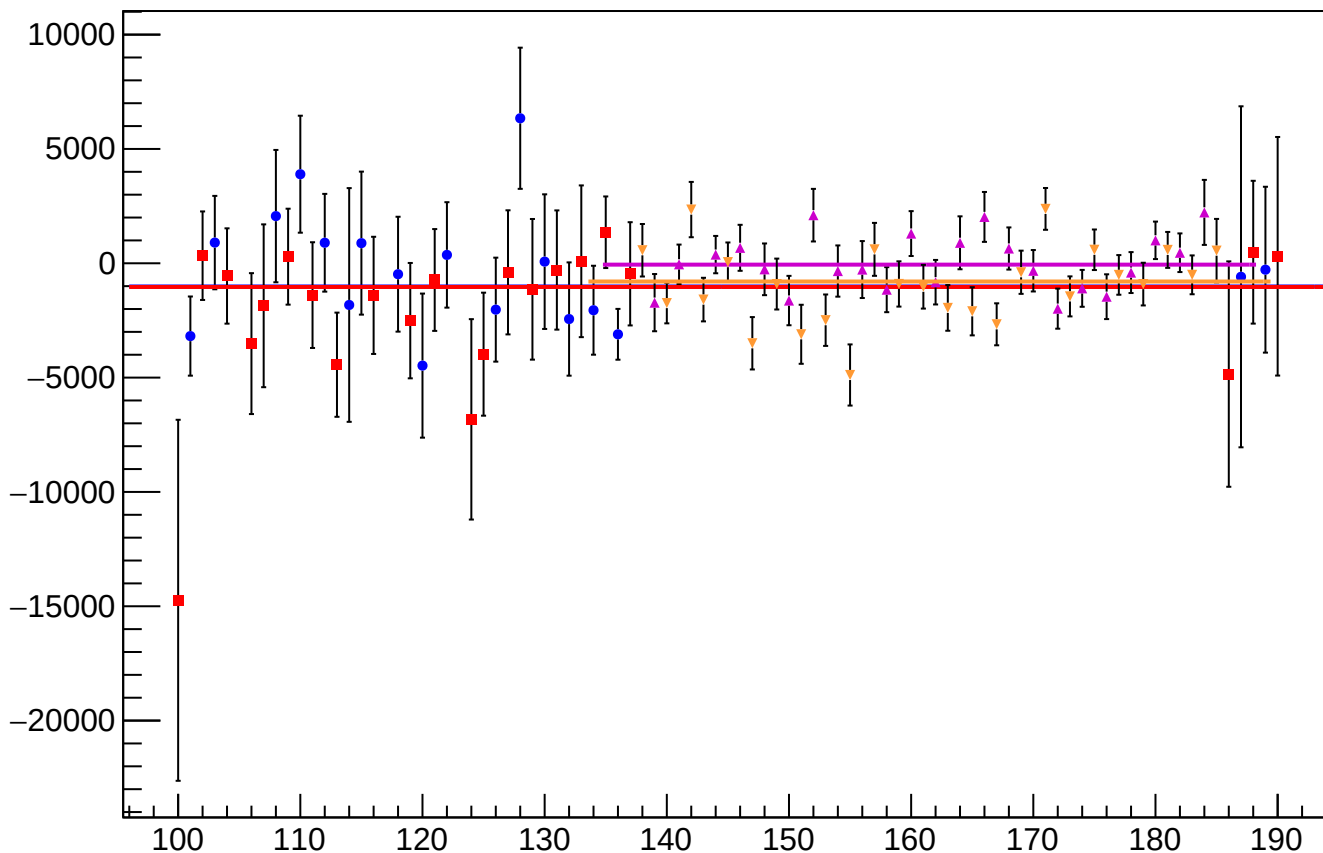
Left In: 78.334 $\pm$ 0.013 χ^2 /NDF:209146.2/22

+ sign 81.668 $\pm$ 0.011 χ^2 /NDF: 872664.8/42

All: 82.032 $\pm$ 0.008 χ^2 /NDF: 2252166.6/87

- sign 82.405 $\pm$ 0.011 χ^2 /NDF: 1377343.0/44

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1015.803 ± 542.542 χ^2/NDF : 20.3/17

Left Out: -797.000 ± 197.884 χ^2/NDF : 59.5/24

Right Out: -1035.861 ± 553.013 χ^2/NDF : 13.8/21

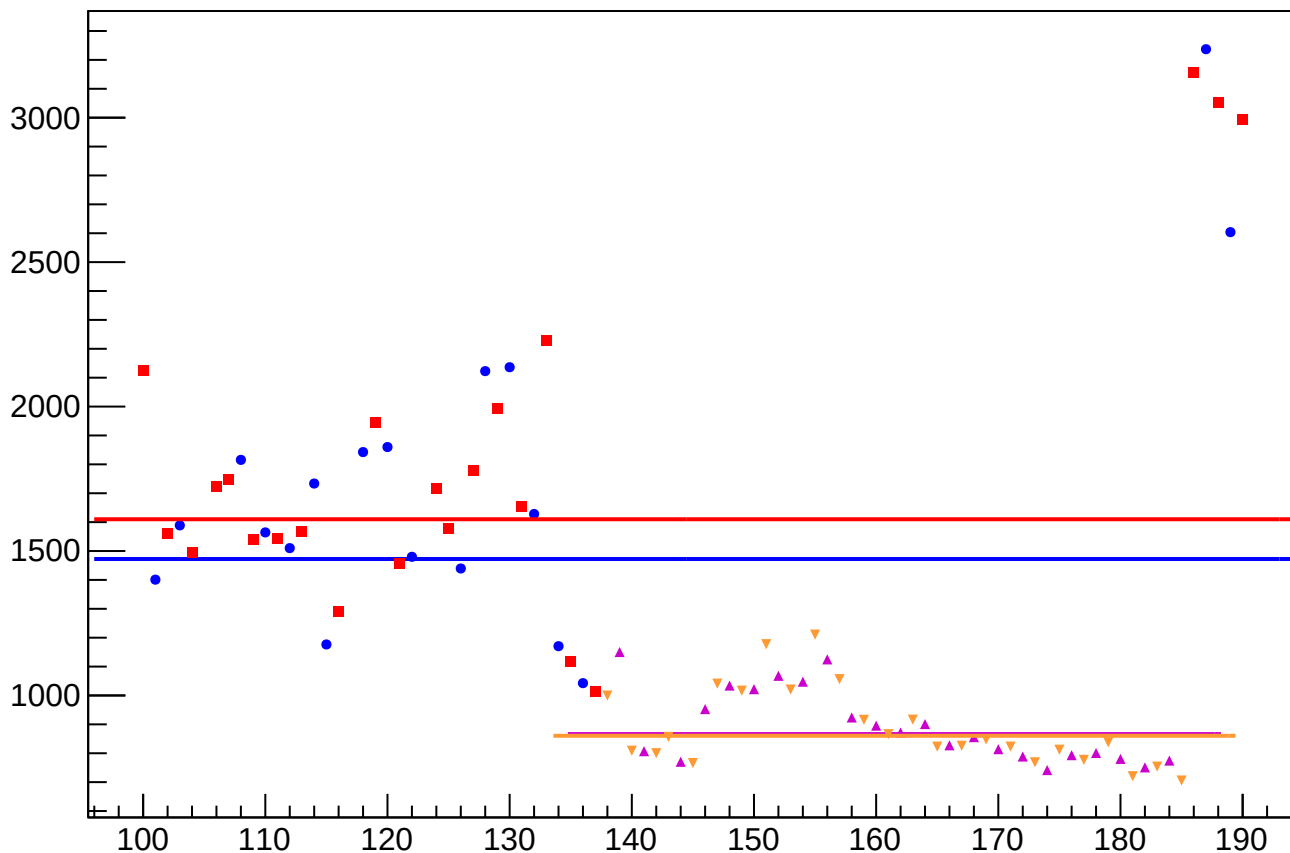
Left In: -59.494 ± 204.437 χ^2/NDF : 30.5/22

+ sign -822.690 ± 185.904 χ^2/NDF : 79.9/42

All: -509.787 ± 133.474 χ^2/NDF : 132.7/87

- sign -176.884 ± 191.754 χ^2/NDF : 47.0/44

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1472.376 $\pm$ 0.384 χ^2 /NDF: 990678.3/17

Left Out: 860.492 $\pm$ 0.140 χ^2 /NDF: 699252.0/24

Right Out: 1609.950 $\pm$ 0.391 χ^2 /NDF: 1314500.4/21

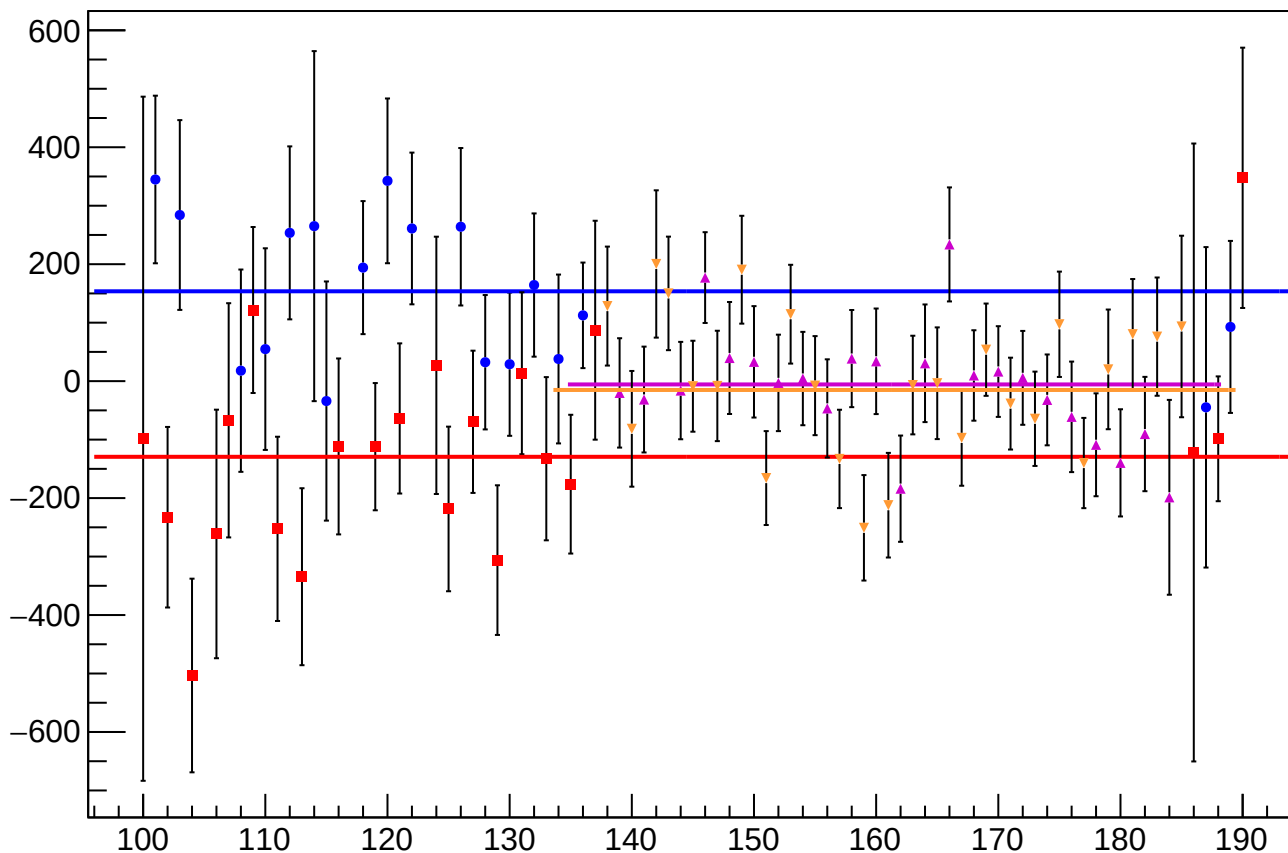
Left In: 866.351 $\pm$ 0.145 χ^2 /NDF: 613257.7/22

+ sign 932.335 $\pm$ 0.131 χ^2 /NDF: 3935156.1/42

All: 943.682 $\pm$ 0.094 χ^2 /NDF: 9059595.9/87

- sign 955.755 $\pm$ 0.136 χ^2 /NDF: 5109060.3/44

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 153.647 $\pm$ 33.041 χ^2 /NDF: 11.8/17

Left Out: -15.098 $\pm$ 17.957 χ^2 /NDF:41.6/24

Right Out: -129.394 $\pm$ 32.179 χ^2 /NDF: 22.2/21

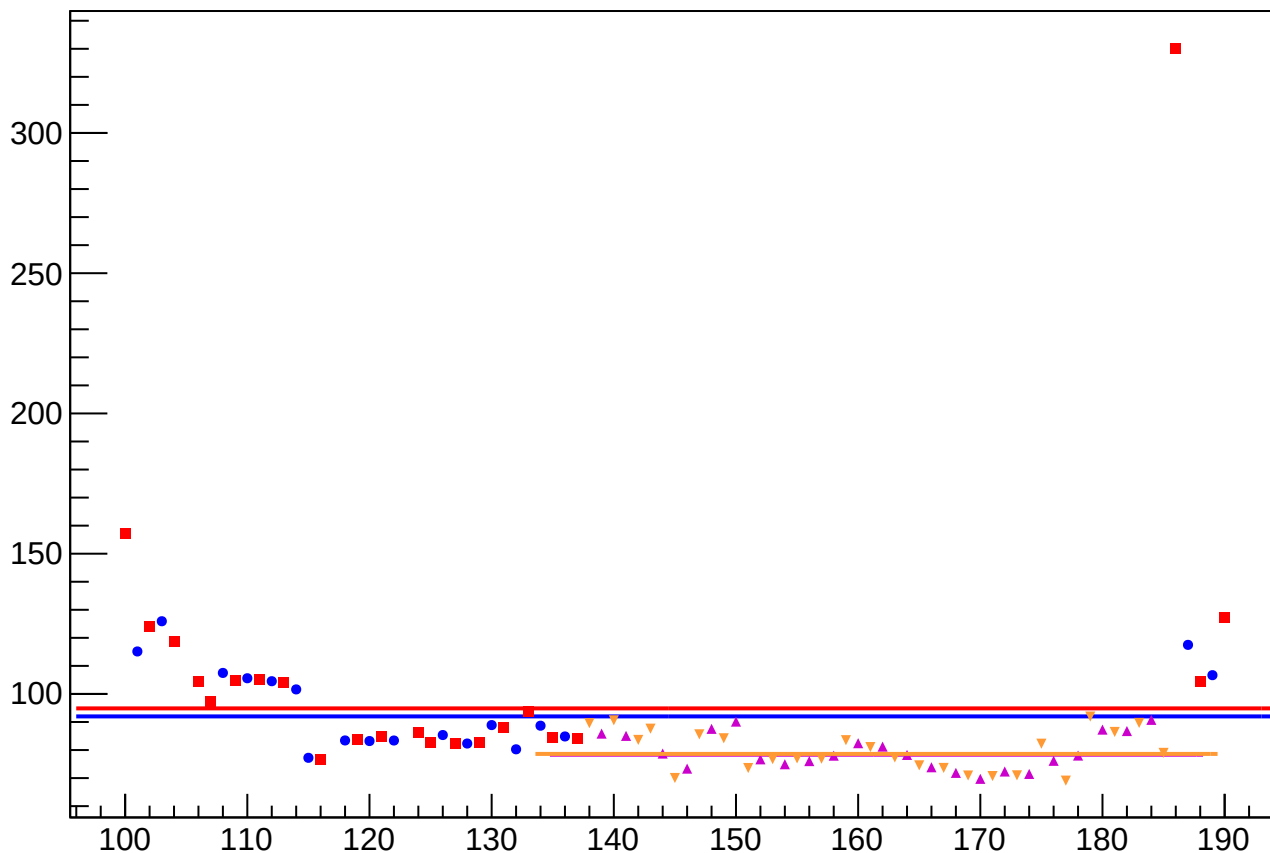
Left In: -5.626 $\pm$ 18.382 χ^2 /NDF:23.0/22

+ sign 23.379 $\pm$ 15.777 χ^2 /NDF: 73.6/42

All: -6.004 $\pm$ 11.221 χ^2 /NDF: 137.0/87

- sign -36.076 $\pm$ 15.961 χ^2 /NDF: 56.4/44

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 91.992 ± 0.023 $\chi^2/\text{NDF}: 312483.5/17$

Left Out: 78.618 ± 0.013 $\chi^2/\text{NDF}: 307235.6/24$

Right Out: 94.849 ± 0.023 $\chi^2/\text{NDF}: 768617.1/21$

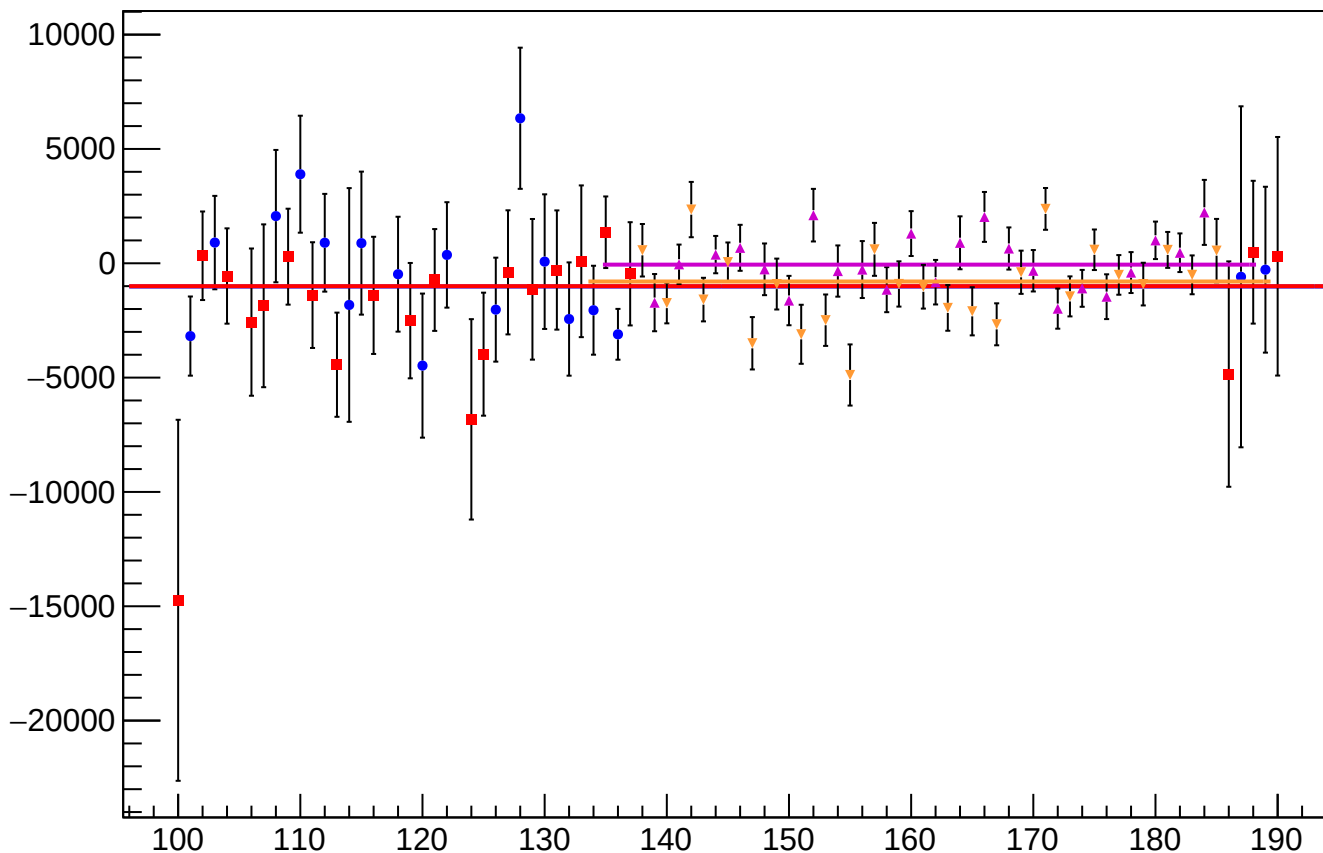
Left In: 78.334 ± 0.013 $\chi^2/\text{NDF}: 209146.2/22$

+ sign 81.668 ± 0.011 $\chi^2/\text{NDF}: 872666.8/42$

All: 82.028 ± 0.008 $\chi^2/\text{NDF}: 2249741.3/87$

- sign 82.398 ± 0.011 $\chi^2/\text{NDF}: 1374959.2/44$

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1015.780 ± 542.543 χ^2/NDF : 20.3/17

Left Out: -797.000 ± 197.884 χ^2/NDF : 59.5/24

Right Out: -1001.686 ± 553.783 χ^2/NDF : 13.4/21

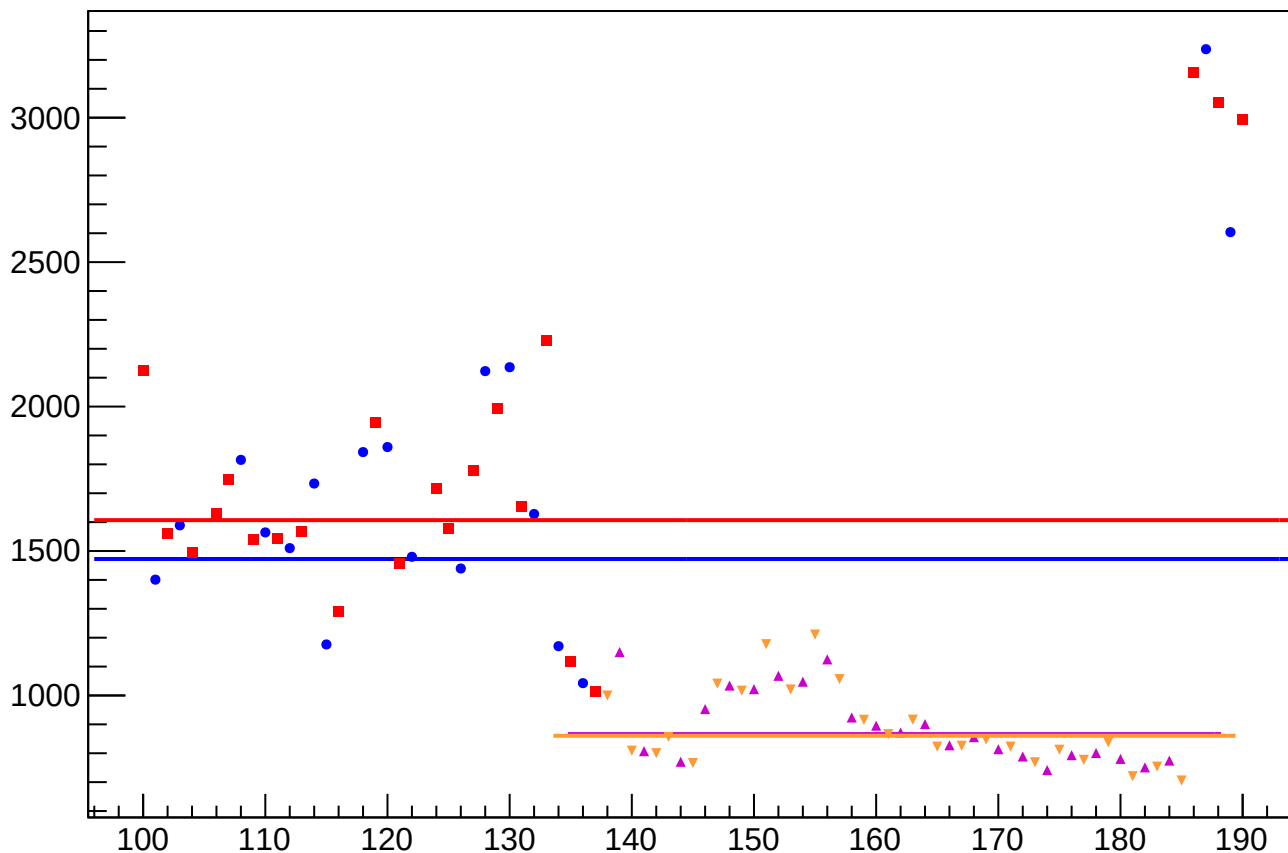
Left In: -59.494 ± 204.437 χ^2/NDF : 30.5/22

+ sign -822.687 ± 185.904 χ^2/NDF : 79.9/42

All: -507.714 ± 133.485 χ^2/NDF : 132.2/87

- sign -172.498 ± 191.786 χ^2/NDF : 46.4/44

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1472.380 $\pm$ 0.384 χ^2 /NDF: 990685.3/17

Left Out: 860.492 $\pm$ 0.140 χ^2 /NDF: 699250.7/24

Right Out: 1606.919 $\pm$ 0.392 χ^2 /NDF: 1311804.4/21

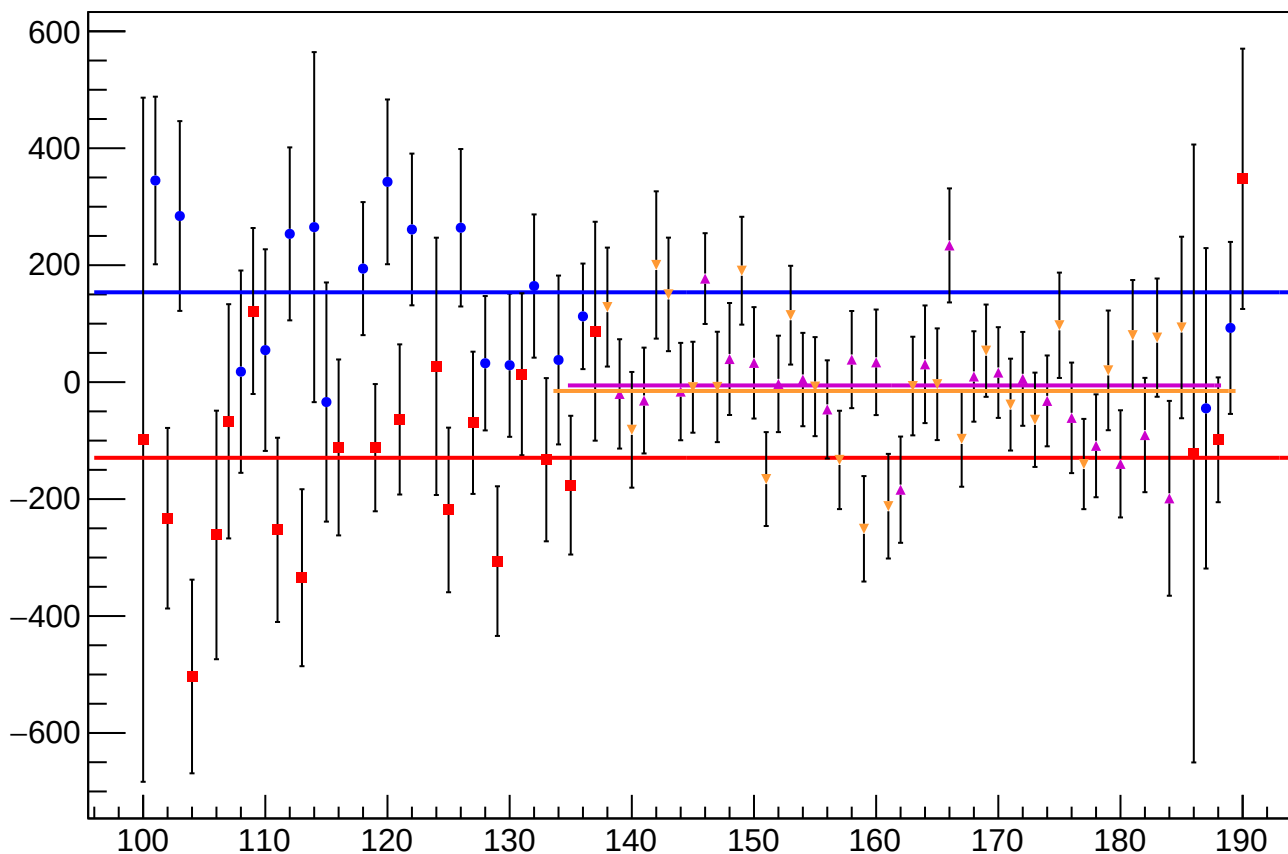
Left In: 866.352 $\pm$ 0.145 χ^2 /NDF: 613256.3/22

+ sign 932.335 $\pm$ 0.131 χ^2 /NDF: 3935177.0/42

All: 943.398 $\pm$ 0.094 χ^2 /NDF: 9022565.5/87

- sign 955.173 $\pm$ 0.136 χ^2 /NDF: 5072766.1/44

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 153.647 $\pm$ 33.041 χ^2 /NDF: 11.8/17

Left Out: -15.098 $\pm$ 17.957 χ^2 /NDF:41.6/24

Right Out: -129.394 $\pm$ 32.179 χ^2 /NDF: 22.2/21

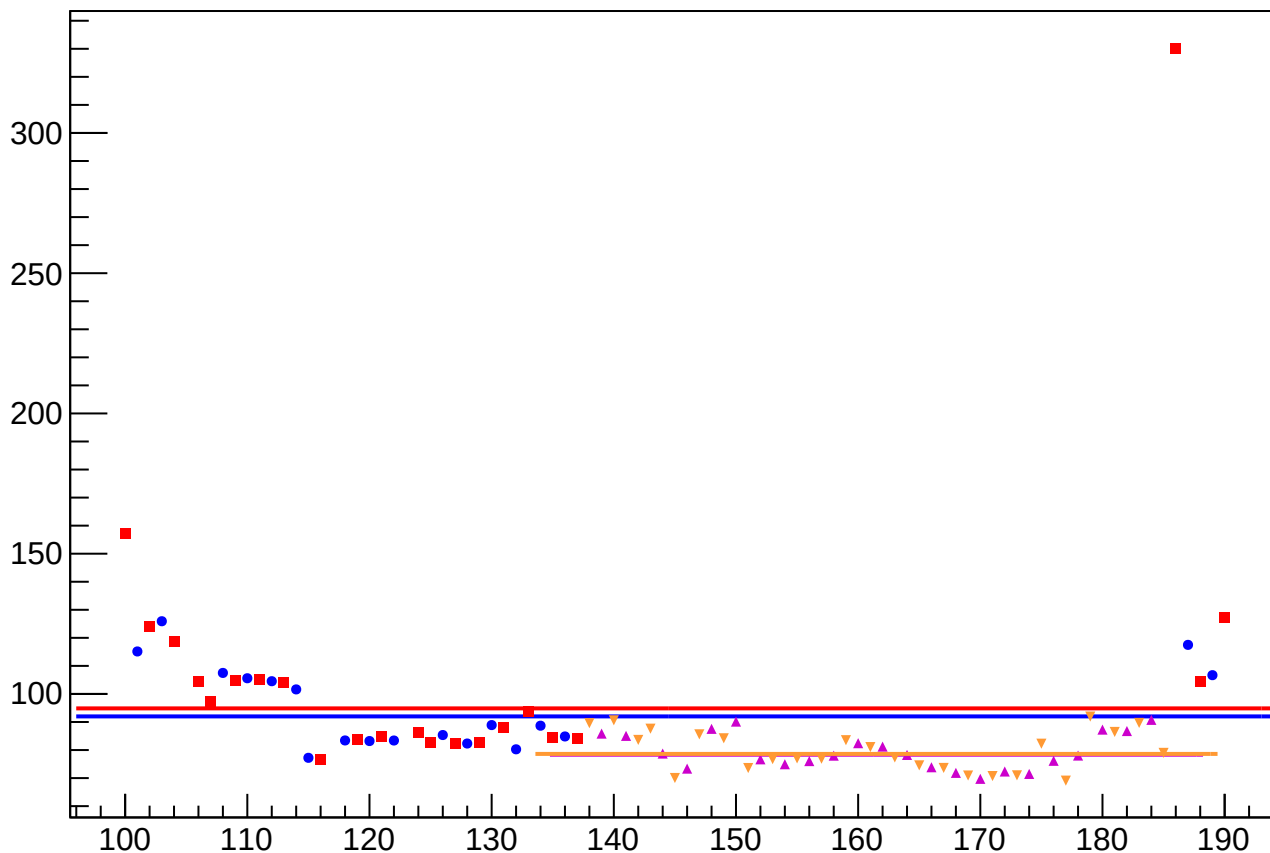
Left In: -5.626 $\pm$ 18.382 χ^2 /NDF:23.0/22

+ sign 23.379 $\pm$ 15.777 χ^2 /NDF: 73.6/42

All: -6.004 $\pm$ 11.221 χ^2 /NDF: 137.0/87

- sign -36.076 $\pm$ 15.961 χ^2 /NDF: 56.4/44

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 91.992 ± 0.023 χ^2/NDF : 312483.5/17

Left Out: 78.618 ± 0.013 χ^2/NDF : 307235.6/24

Right Out: 94.849 ± 0.023 χ^2/NDF : 768617.1/21

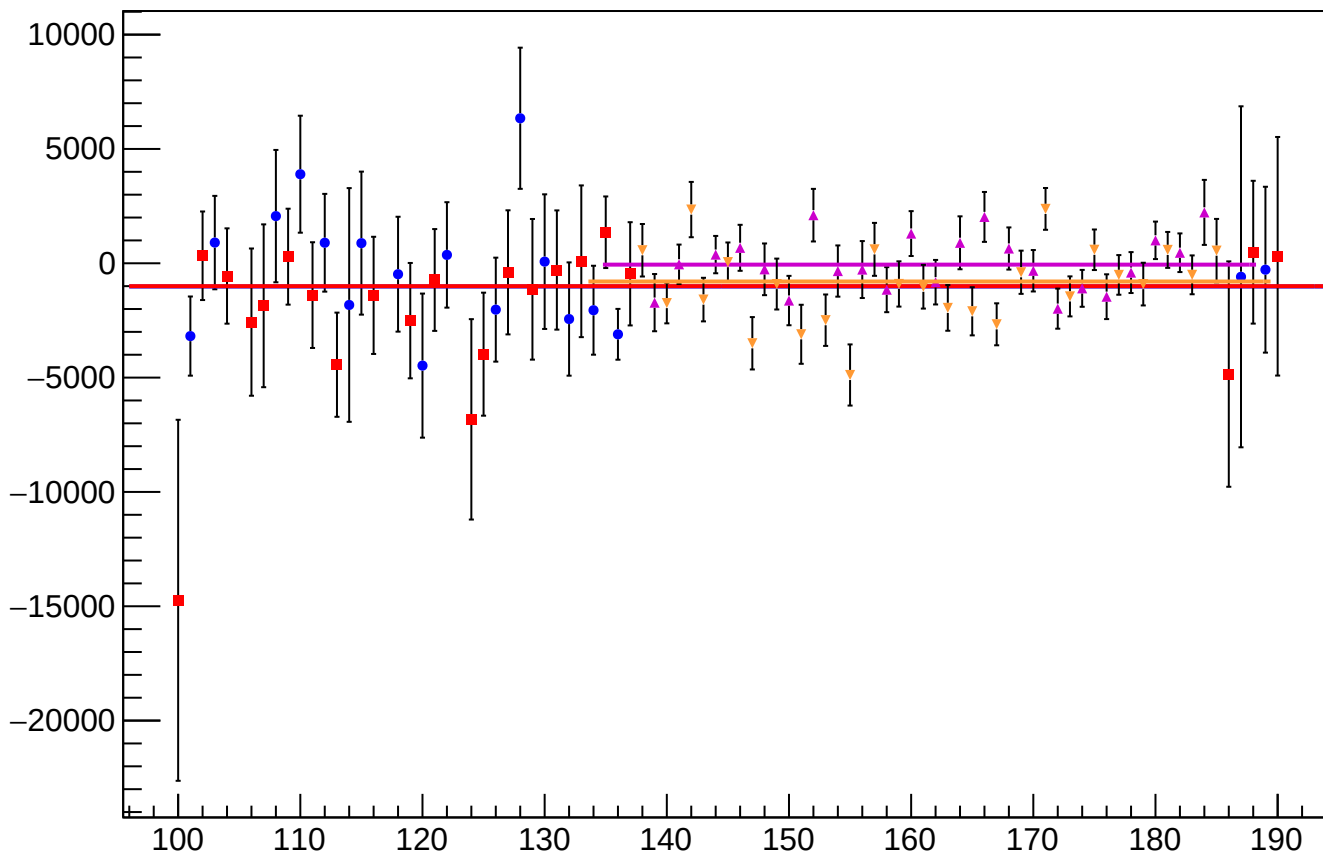
Left In: 78.334 ± 0.013 χ^2/NDF : 209146.2/22

+ sign 81.668 ± 0.011 χ^2/NDF : 872666.8/42

All: 82.028 ± 0.008 χ^2/NDF : 2249741.3/87

- sign 82.398 ± 0.011 χ^2/NDF : 1374959.2/44

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug



Right In: -1015.780 ± 542.543 χ^2/NDF : 20.3/17

Left Out: -797.000 ± 197.884 χ^2/NDF : 59.5/24

Right Out: -1001.686 ± 553.783 χ^2/NDF : 13.4/21

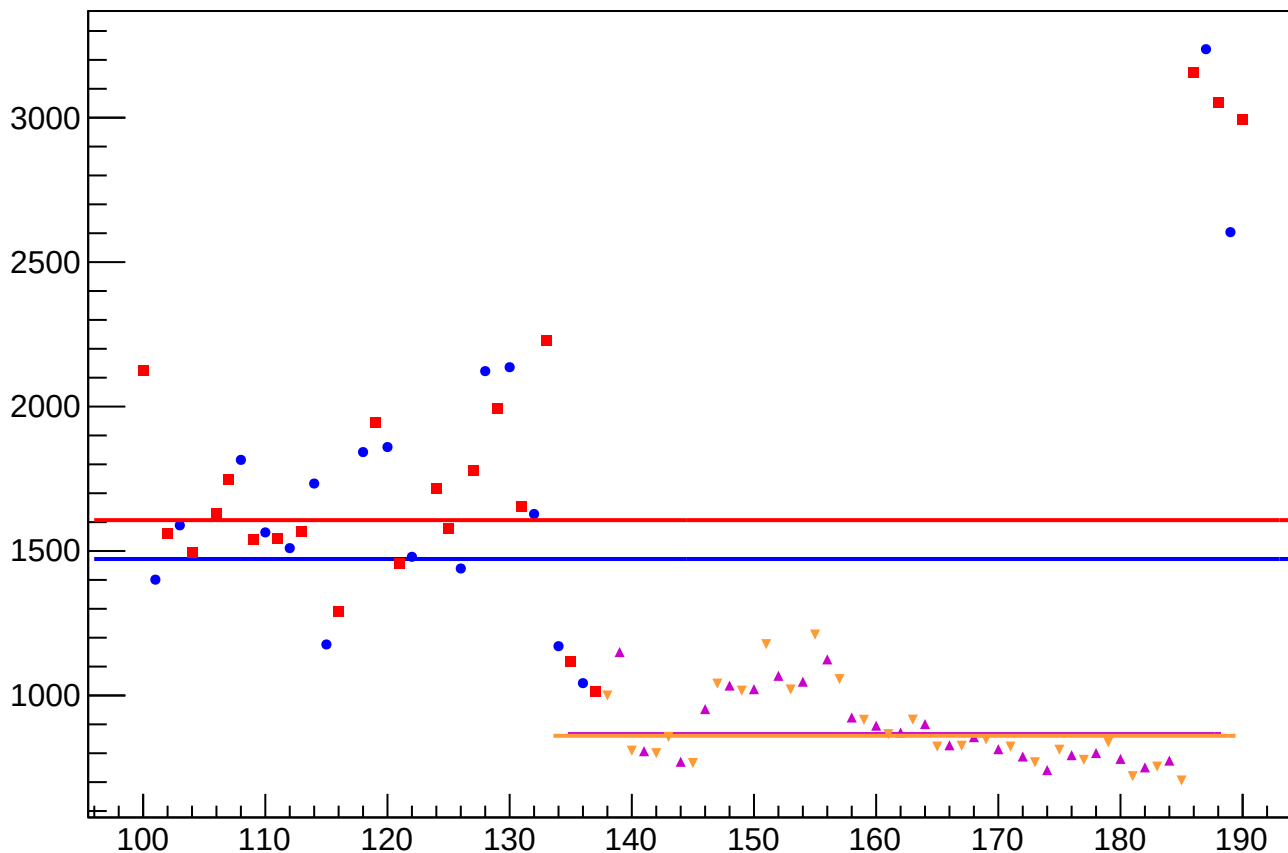
Left In: -59.494 ± 204.437 χ^2/NDF : 30.5/22

+ sign -822.687 ± 185.904 χ^2/NDF : 79.9/42

All: -507.714 ± 133.485 χ^2/NDF : 132.2/87

- sign -172.498 ± 191.786 χ^2/NDF : 46.4/44

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug



Right In: 1472.380 $\pm$ 0.384 χ^2 /NDF: 990685.3/17

Left Out: 860.492 $\pm$ 0.140 χ^2 /NDF: 699250.7/24

Right Out: 1606.919 $\pm$ 0.392 χ^2 /NDF: 1311804.4/21

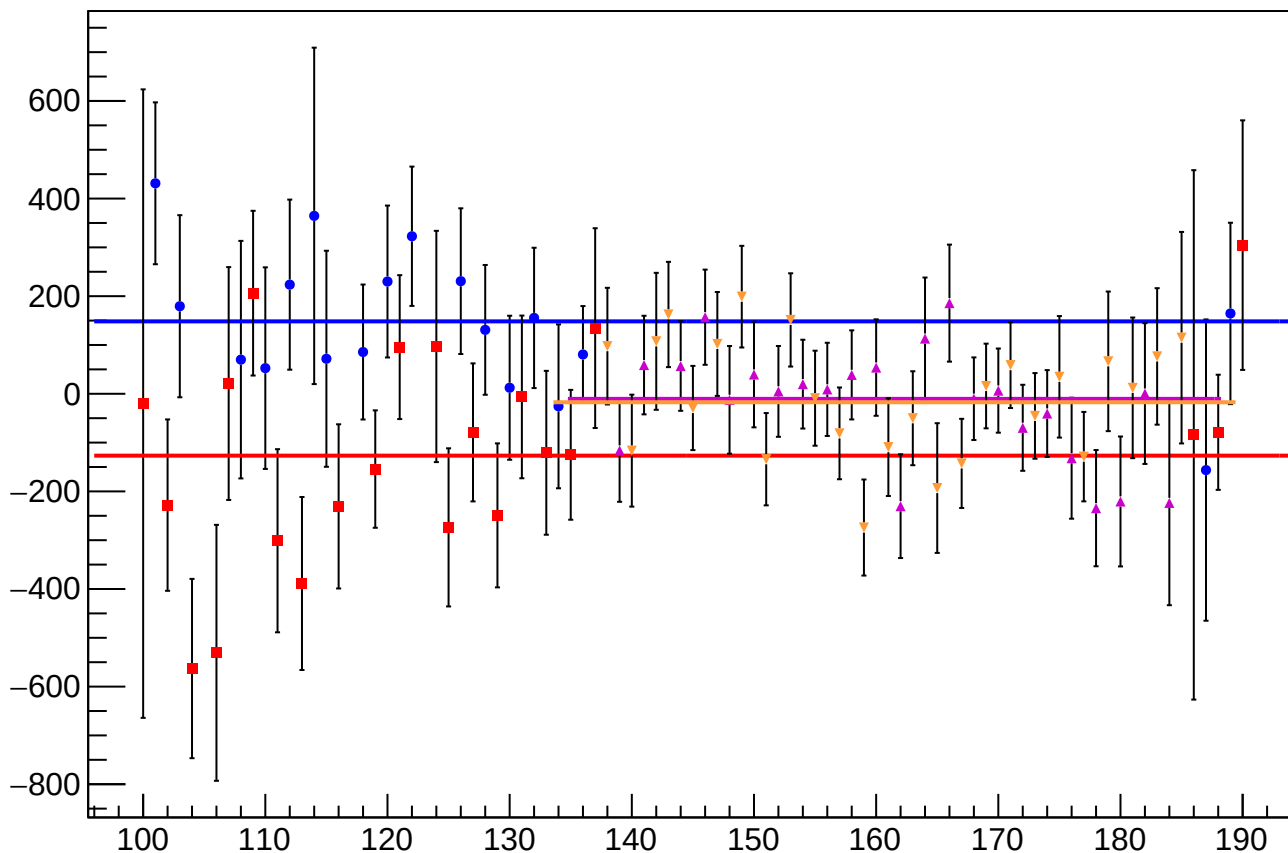
Left In: 866.352 $\pm$ 0.145 χ^2 /NDF: 613256.3/22

+ sign 932.335 $\pm$ 0.131 χ^2 /NDF: 3935177.0/42

All: 943.398 $\pm$ 0.094 χ^2 /NDF: 9022565.5/87

- sign 955.173 $\pm$ 0.136 χ^2 /NDF: 5072766.1/44

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 148.382 $\pm$ 38.289 χ^2 /NDF: 9.6/17

Left Out: -17.356 $\pm$ 20.987 χ^2 /NDF:31.2/24

Right Out: -126.739 $\pm$ 36.843 χ^2 /NDF: 26.1/21

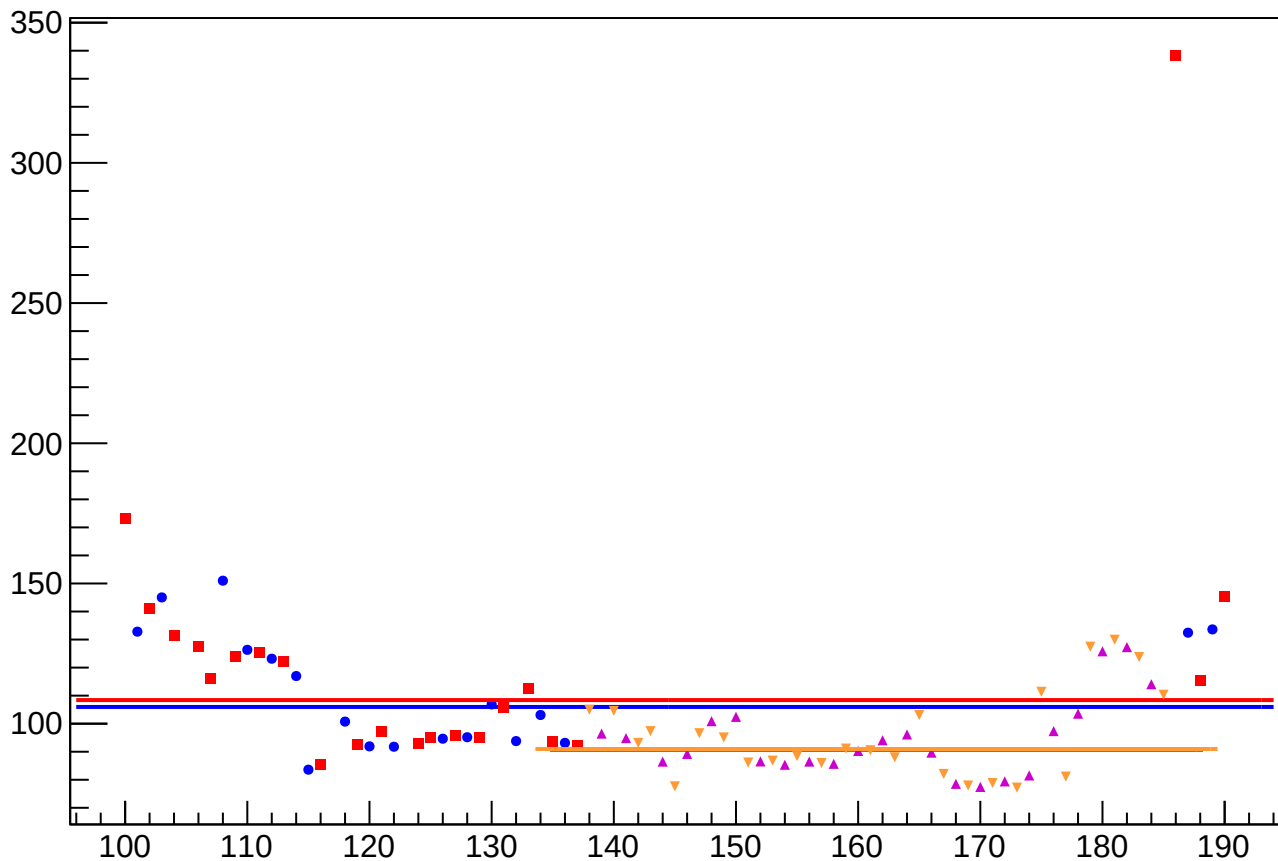
Left In: -10.412 $\pm$ 21.503 χ^2 /NDF:22.6/22

+ sign 20.933 $\pm$ 18.404 χ^2 /NDF: 55.2/42

All: -9.241 $\pm$ 13.072 χ^2 /NDF: 116.8/87

- sign -39.969 $\pm$ 18.572 χ^2 /NDF: 56.2/44

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 105.964 ± 0.027 χ^2/NDF : 440939.6/17

Left Out: 90.967 ± 0.015 χ^2/NDF : 784523.6/24

Right Out: 108.416 ± 0.026 χ^2/NDF : 762281.0/21

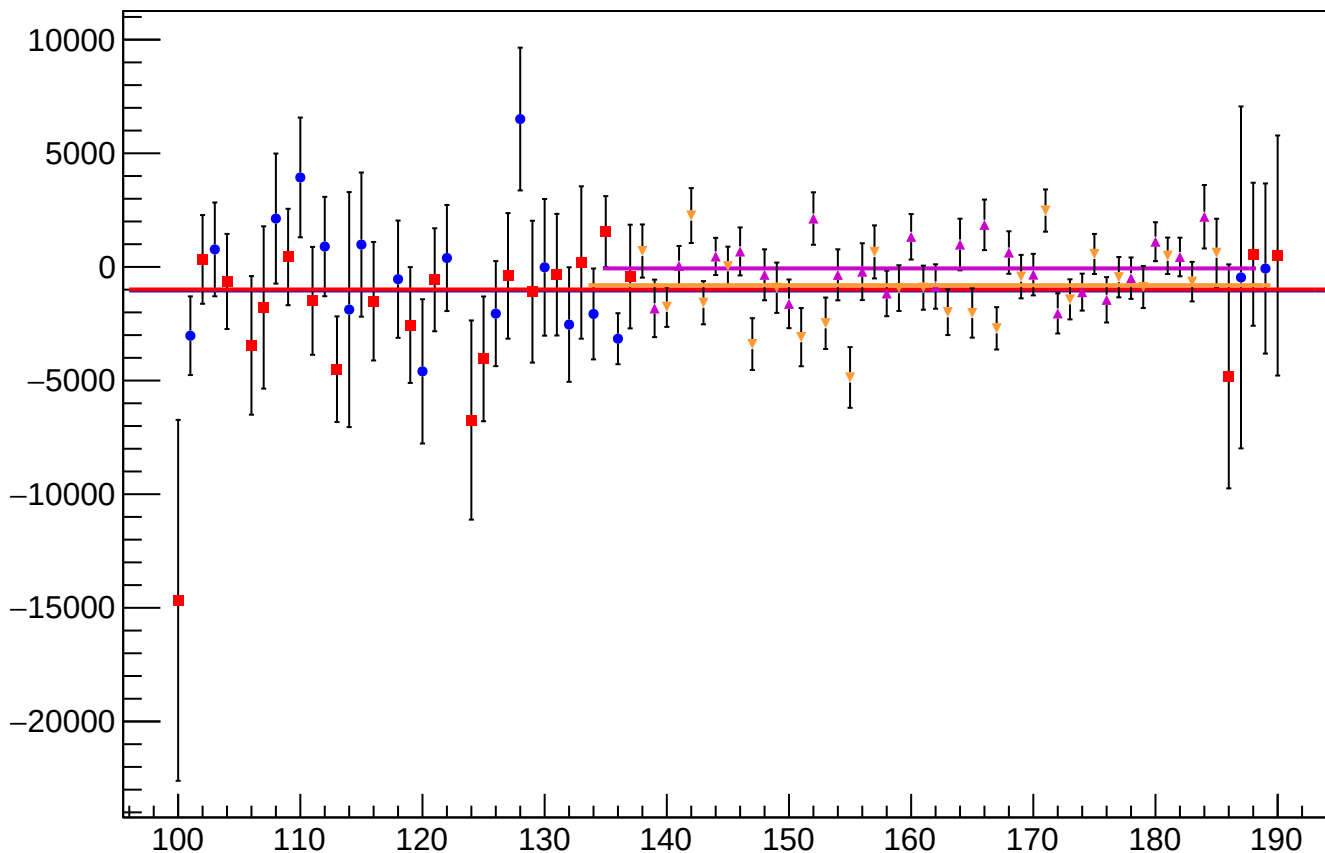
Left In: 90.690 ± 0.015 χ^2/NDF : 545969.6/22

+ sign 94.432 ± 0.013 χ^2/NDF : 1461424.9/42

All: 94.809 ± 0.009 χ^2/NDF : 3116684.4/87

- sign 95.194 ± 0.013 χ^2/NDF : 1653559.4/44

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1034.794 $\pm$ 550.080 χ^2 /NDF: 20.1/17

Left Out: -802.532 $\pm$ 199.851 χ^2 /NDF: 58.3/24

Right Out: -992.442 $\pm$ 558.880 χ^2 /NDF: 14.2/21

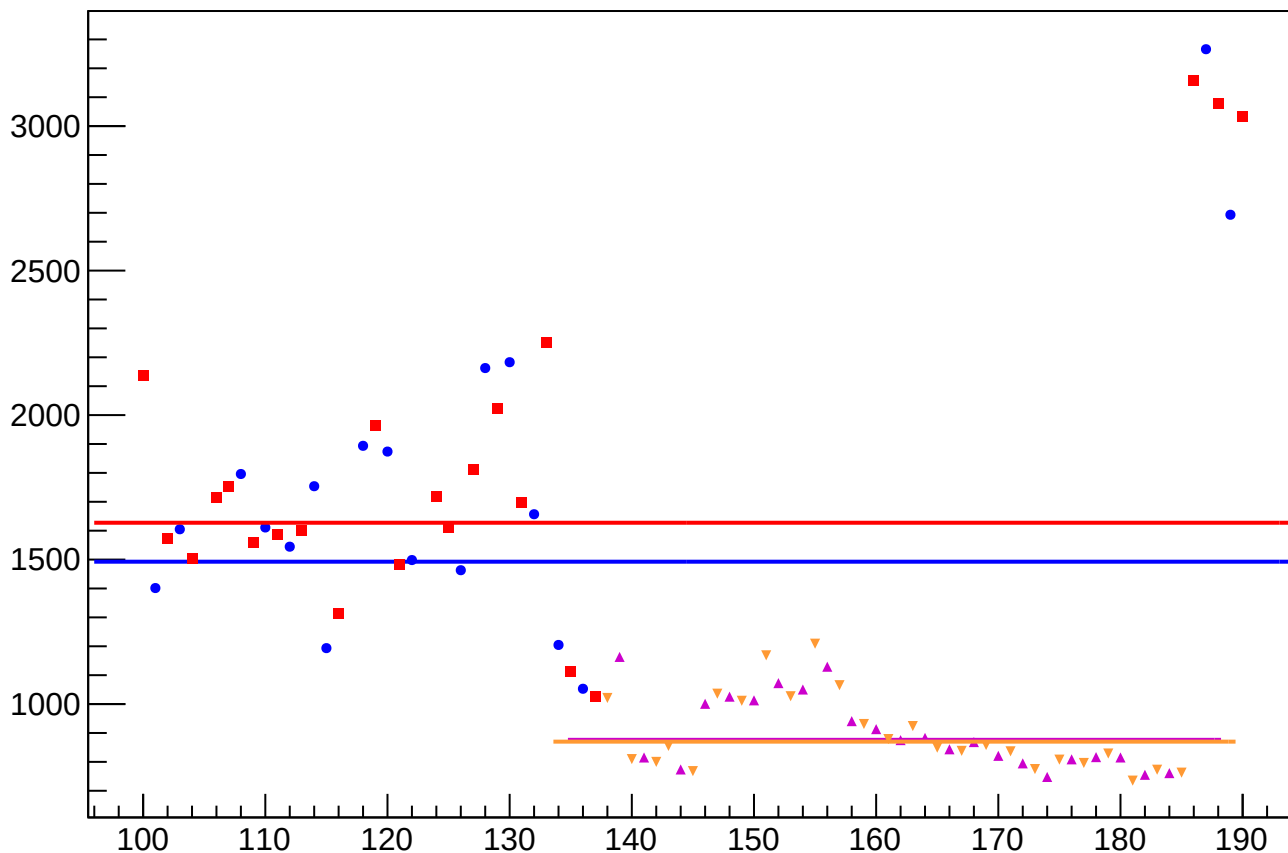
Left In: -65.218 $\pm$ 206.677 χ^2 /NDF: 30.7/22

+ sign -829.615 $\pm$ 187.838 χ^2 /NDF: 78.6/42

All: -513.466 $\pm$ 134.896 χ^2 /NDF: 131.8/87

- sign -176.767 $\pm$ 193.847 χ^2 /NDF: 47.3/44

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1492.697 $\pm$ 0.389 χ^2 /NDF: 1010231.6/17

Left Out: 870.009 $\pm$ 0.141 χ^2 /NDF: 647274.1/24

Right Out: 1627.495 $\pm$ 0.395 χ^2 /NDF: 1323636.9/21

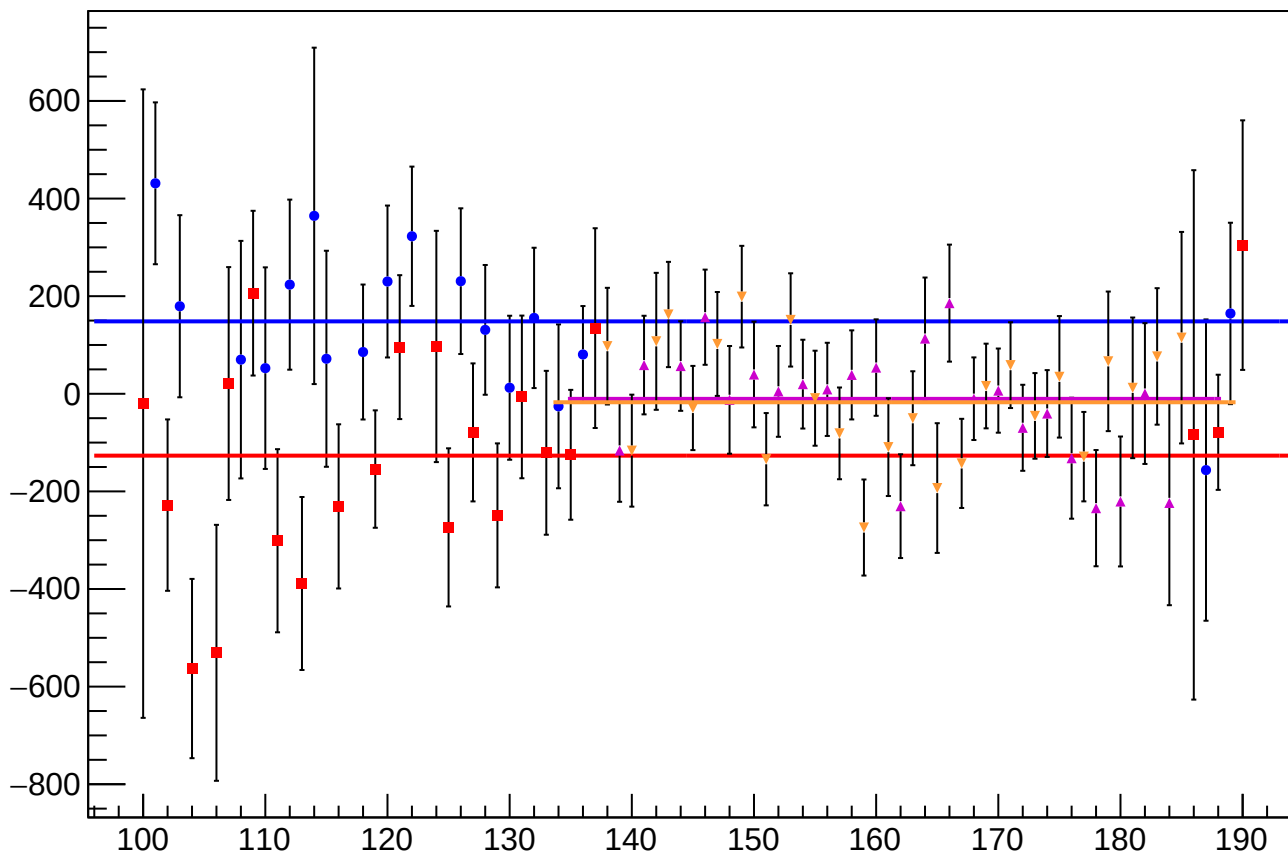
Left In: 876.273 $\pm$ 0.146 χ^2 /NDF: 597200.7/22

+ sign 942.617 $\pm$ 0.133 χ^2 /NDF: 3921492.1/42

All: 954.254 $\pm$ 0.095 χ^2 /NDF: 9036975.6/87

- sign 966.648 $\pm$ 0.137 χ^2 /NDF: 5099630.9/44

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 148.384 $\pm$ 38.289 χ^2 /NDF: 9.6/17

Left Out: -17.356 $\pm$ 20.987 χ^2 /NDF:31.2/24

Right Out: -126.738 $\pm$ 36.843 χ^2 /NDF: 26.1/21

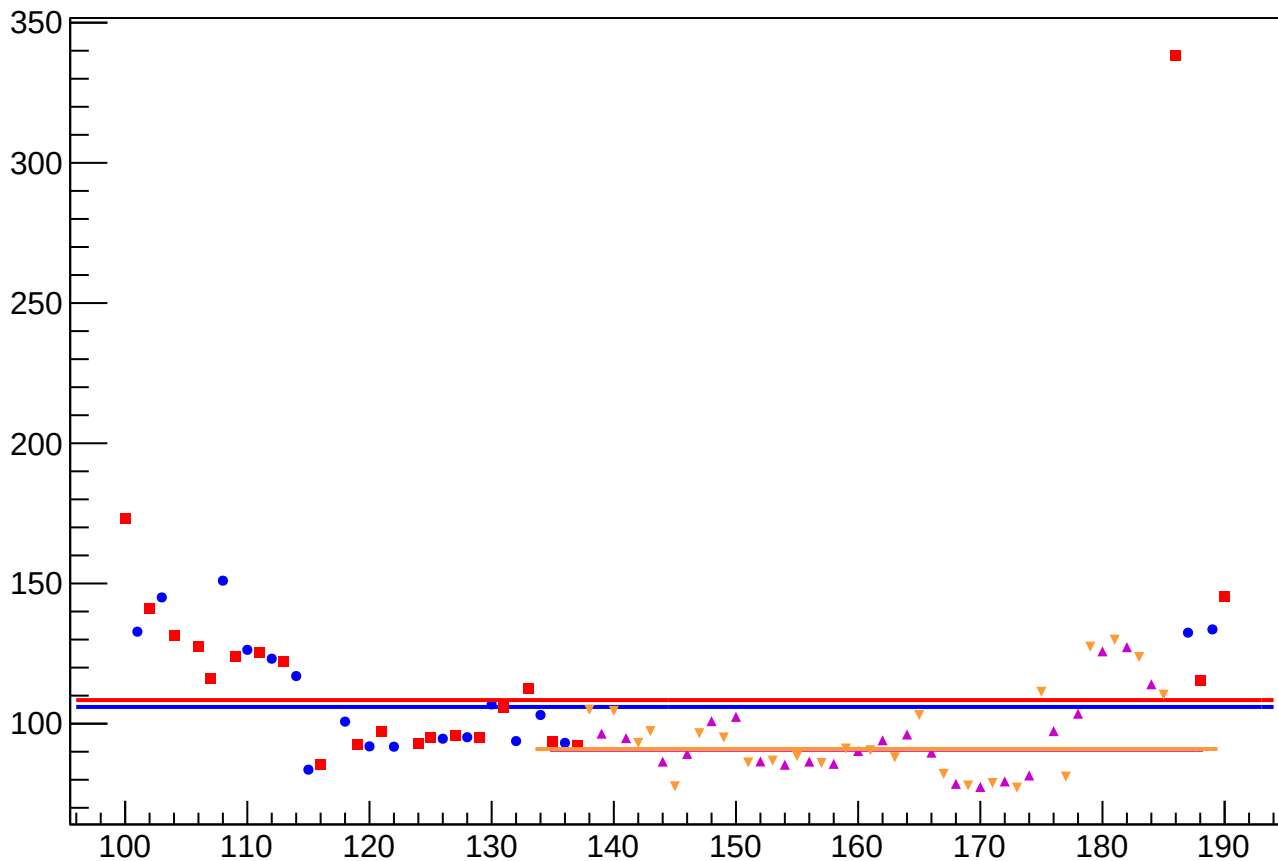
Left In: -10.412 $\pm$ 21.503 χ^2 /NDF:22.6/22

+ sign 20.934 $\pm$ 18.403 χ^2 /NDF: 55.2/42

All: -9.241 $\pm$ 13.072 χ^2 /NDF: 116.8/87

- sign -39.969 $\pm$ 18.571 χ^2 /NDF: 56.2/44

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 105.963 $\pm$ 0.027 χ^2 /NDF: 440943.5/17

Left Out: 90.967 $\pm$ 0.015 χ^2 /NDF: 784529.9/24

Right Out: 108.415 $\pm$ 0.026 χ^2 /NDF: 762286.2/21

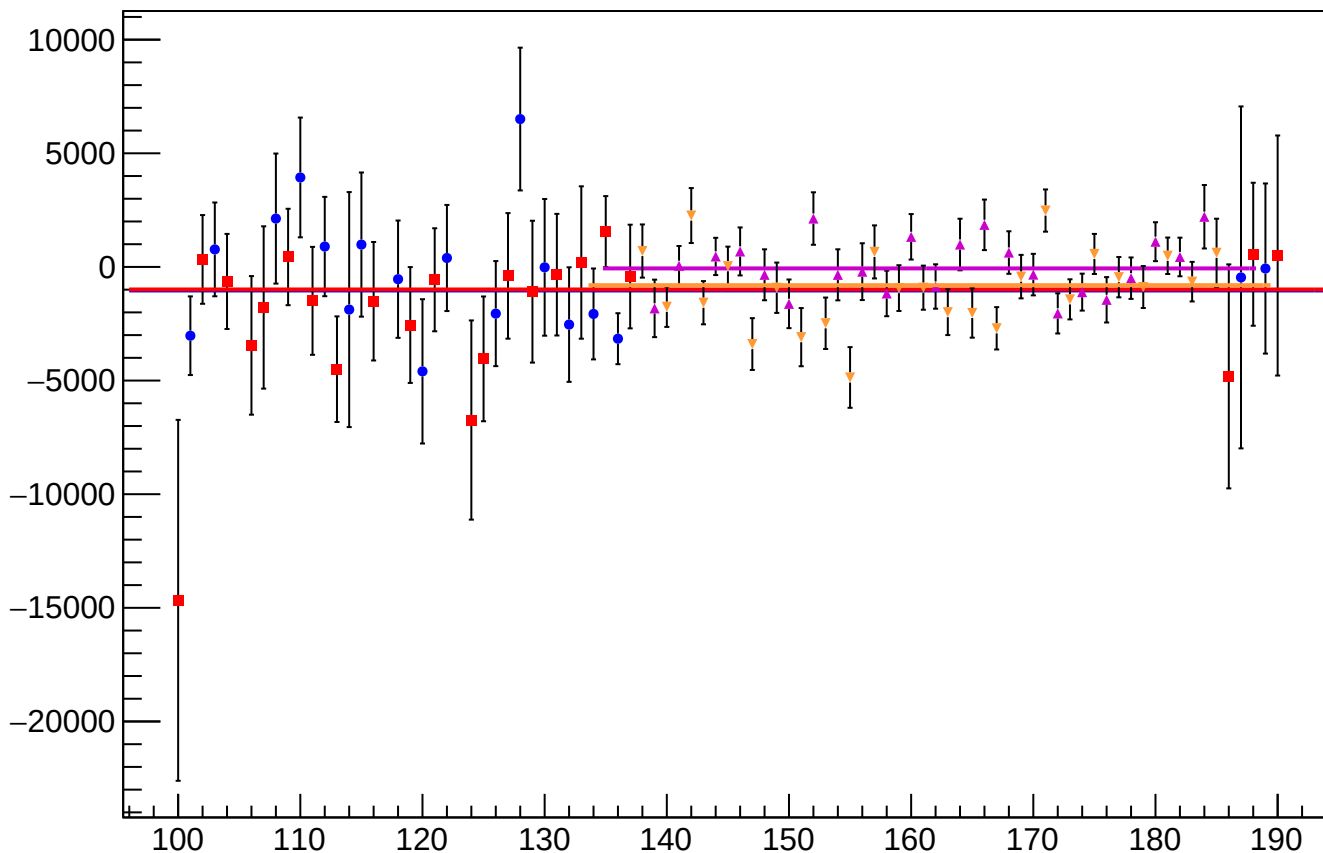
Left In: 90.690 $\pm$ 0.015 χ^2 /NDF: 545960.7/22

+ sign 94.432 $\pm$ 0.013 χ^2 /NDF: 1461404.0/42

All: 94.809 $\pm$ 0.009 χ^2 /NDF: 3116637.7/87

- sign 95.194 $\pm$ 0.013 χ^2 /NDF: 1653533.8/44

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug



Right In: -1034.790 ± 550.079 χ^2/NDF : 20.1/17

Left Out: -802.531 ± 199.851 χ^2/NDF : 58.3/24

Right Out: -992.441 ± 558.879 χ^2/NDF : 14.2/21

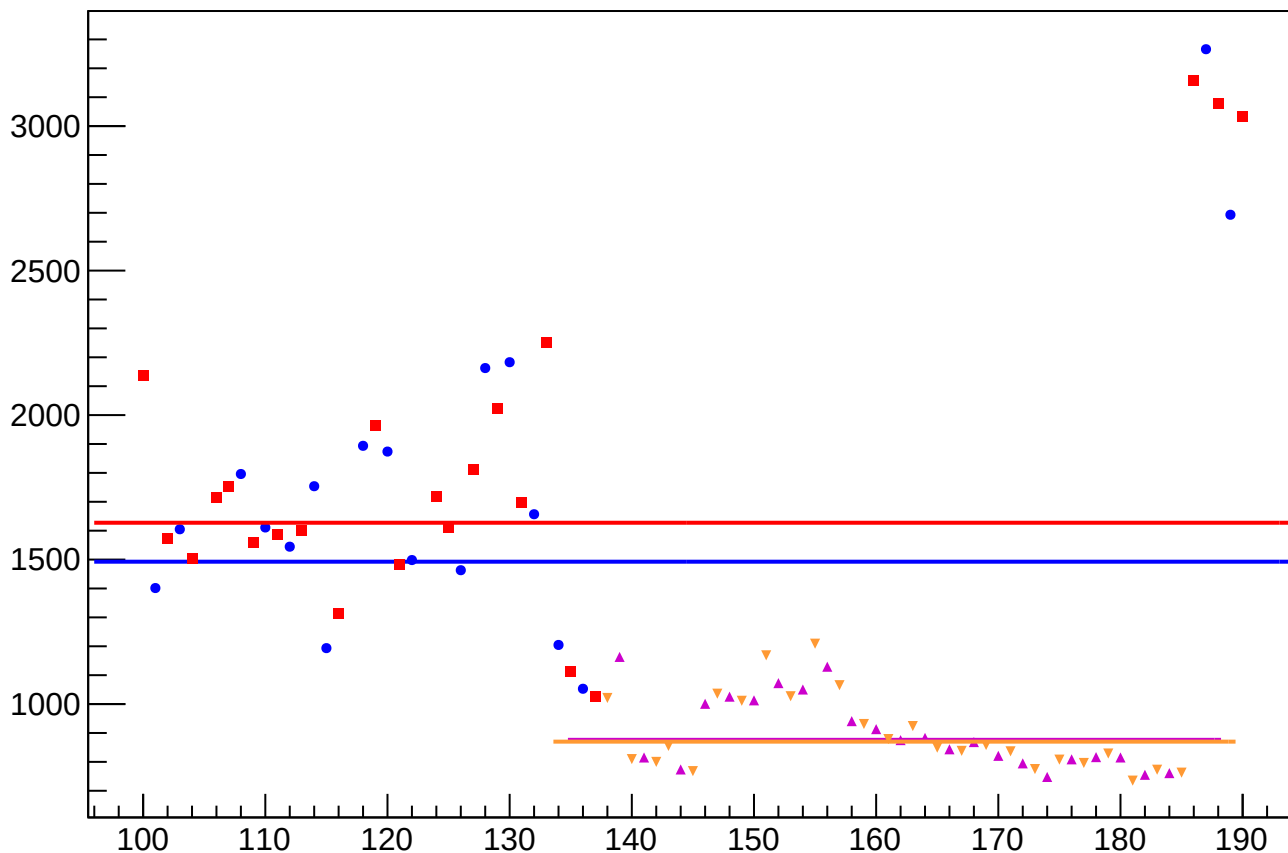
Left In: -65.218 ± 206.677 χ^2/NDF : 30.7/22

+ sign -829.614 ± 187.838 χ^2/NDF : 78.6/42

All: -513.465 ± 134.896 χ^2/NDF : 131.8/87

- sign -176.767 ± 193.847 χ^2/NDF : 47.3/44

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug



Right In: 1492.694+/-0.389 χ^2/NDF : 1010229.2/17

Left Out: 870.008+/-0.141 χ^2/NDF : 647275.9/24

Right Out: 1627.492+/-0.395 χ^2/NDF : 1323638.8/21

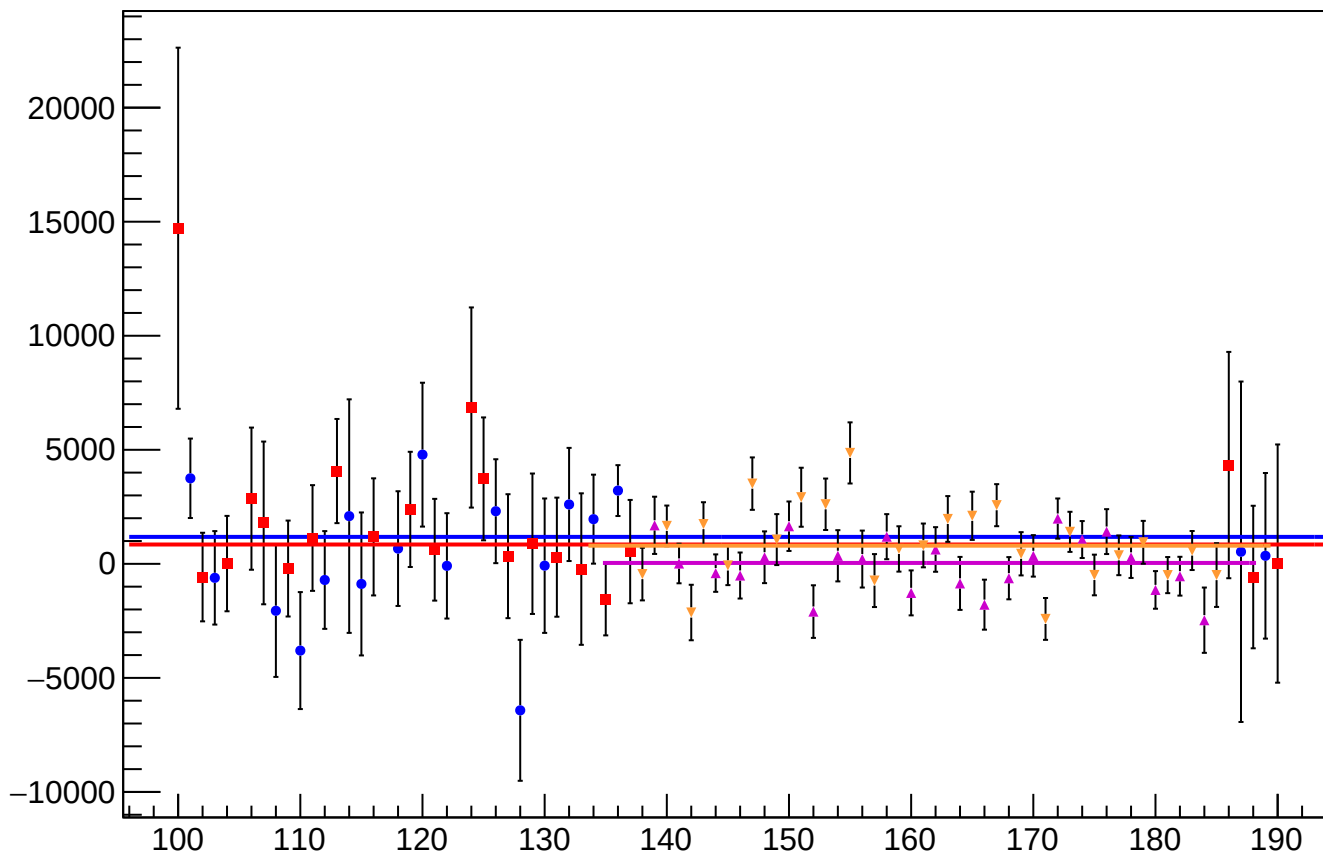
Left In: 876.272+/-0.146 χ^2/NDF : 597200.9/22

+ sign 942.616+/-0.133 χ^2/NDF : 3921485.2/42

All: 954.254+/-0.095 χ^2/NDF : 9036962.6/87

- sign 966.647+/-0.137 χ^2/NDF : 5099625.0/44

asym_sam_24_68_dd_mean vs Slug



Right In: 1181.964 $\pm$ 544.014 χ^2/NDF : 21.2/17

Left Out: 796.287 $\pm$ 198.802 χ^2/NDF : 57.2/24

Right Out: 847.831 $\pm$ 554.413 χ^2/NDF : 13.2/21

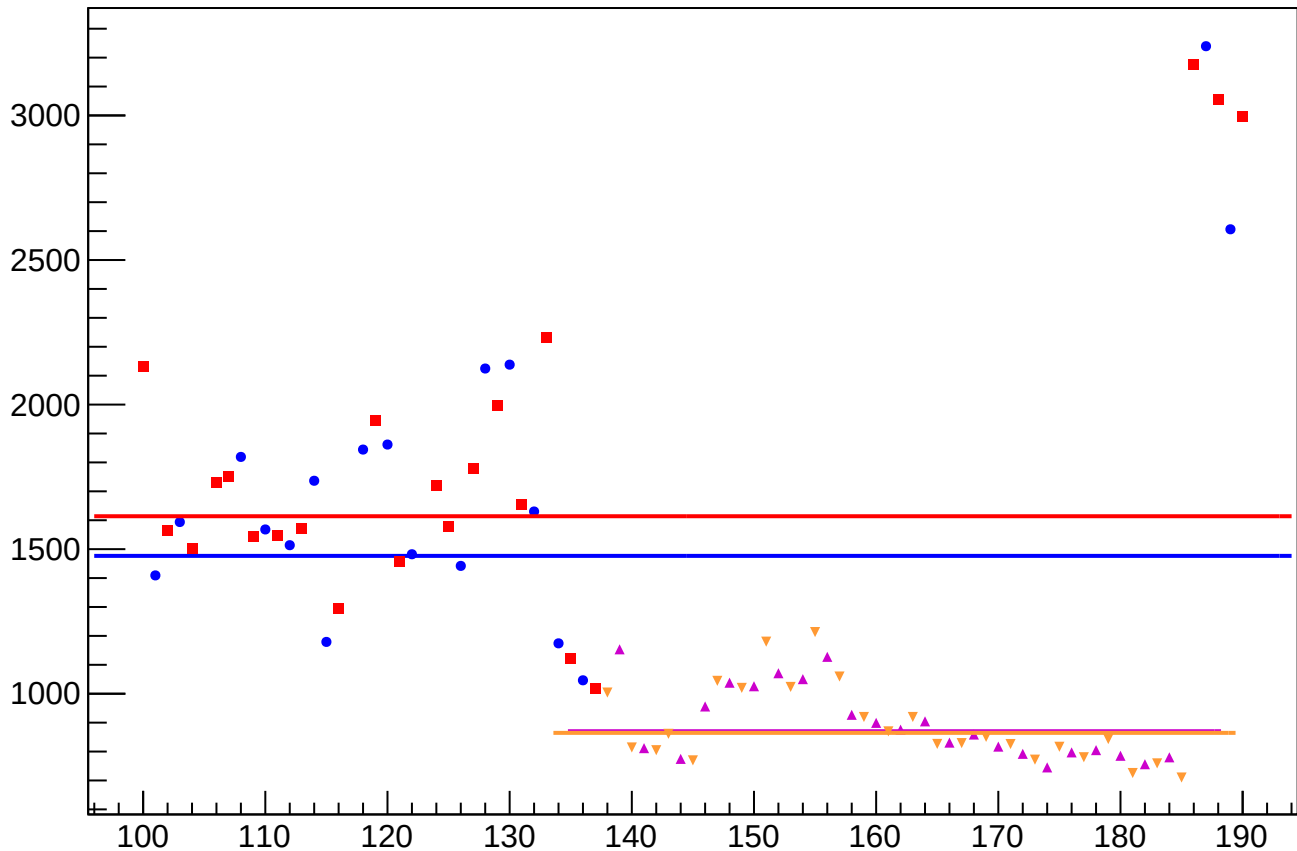
Left In: 39.746 $\pm$ 205.349 χ^2/NDF : 29.7/22

+ sign 841.724 $\pm$ 186.725 χ^2/NDF : 78.8/42

All: 500.323 $\pm$ 134.051 χ^2/NDF : 130.5/87

- sign 137.233 $\pm$ 192.565 χ^2/NDF : 44.8/44

asym_sam_24_68_dd_rms vs Slug



Right In: 1476.748+/-0.385 $\chi^2/\text{NDF}: 984266.1/17$

Left Out: 864.637+/-0.141 $\chi^2/\text{NDF}: 688948.2/24$

Right Out: 1613.862+/-0.392 $\chi^2/\text{NDF}: 1311075.2/21$

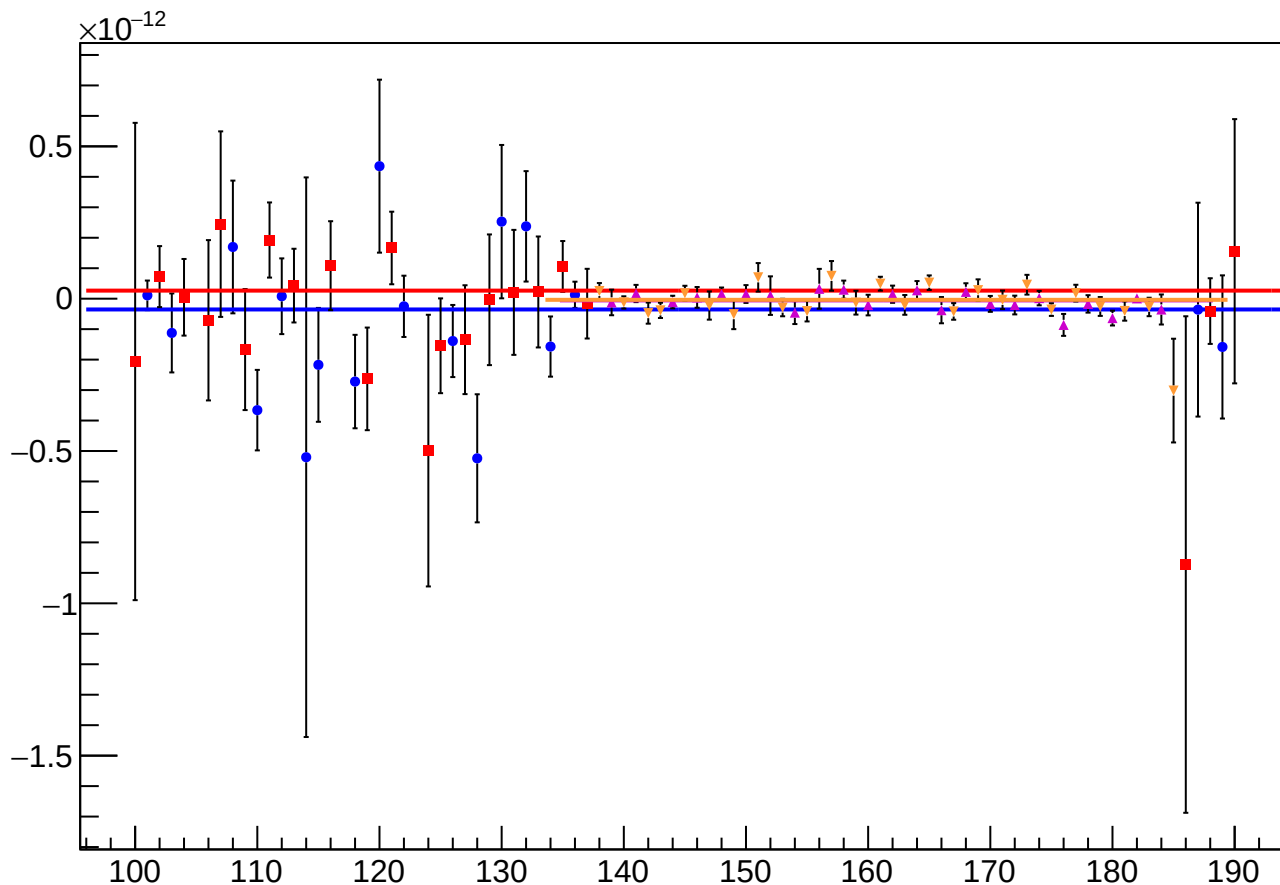
Left In: 870.346+/-0.145 $\chi^2/\text{NDF}: 604520.6/22$

+ sign 936.750+/-0.132 $\chi^2/\text{NDF}: 3906954.5/42$

All: 948.038+/-0.095 $\chi^2/\text{NDF}: 9000726.8/87$

- sign 960.043+/-0.136 $\chi^2/\text{NDF}: 5078689.4/44$

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.7/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 38.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 14.7/21

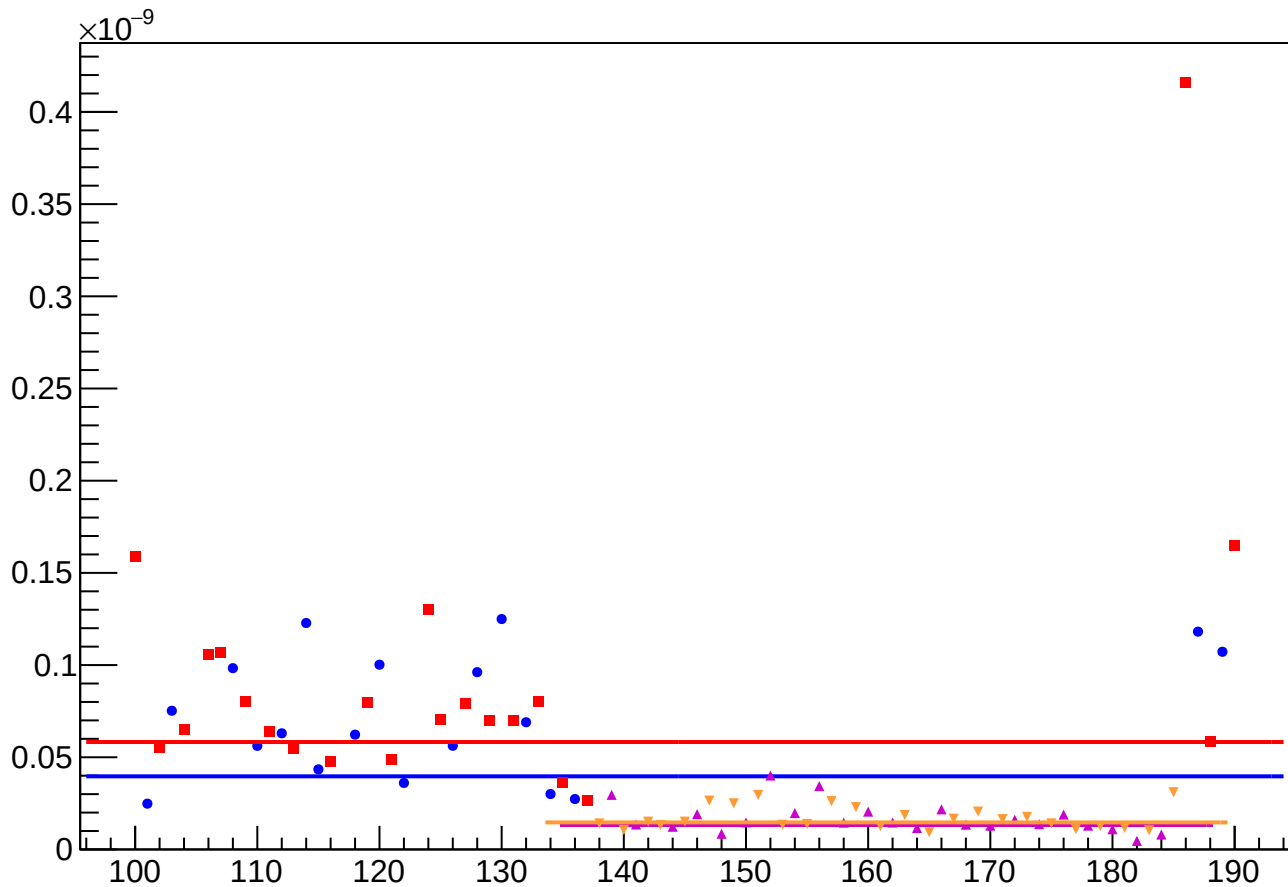
Left In: -0.000 ± 0.000 χ^2/NDF : 20.6/22

+ sign -0.000 ± 0.000 χ^2/NDF : 67.9/42

All: -0.000 ± 0.000 χ^2/NDF : 104.3/87

- sign -0.000 ± 0.000 χ^2/NDF : 36.3/44

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1651898.5/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1170752.5/21

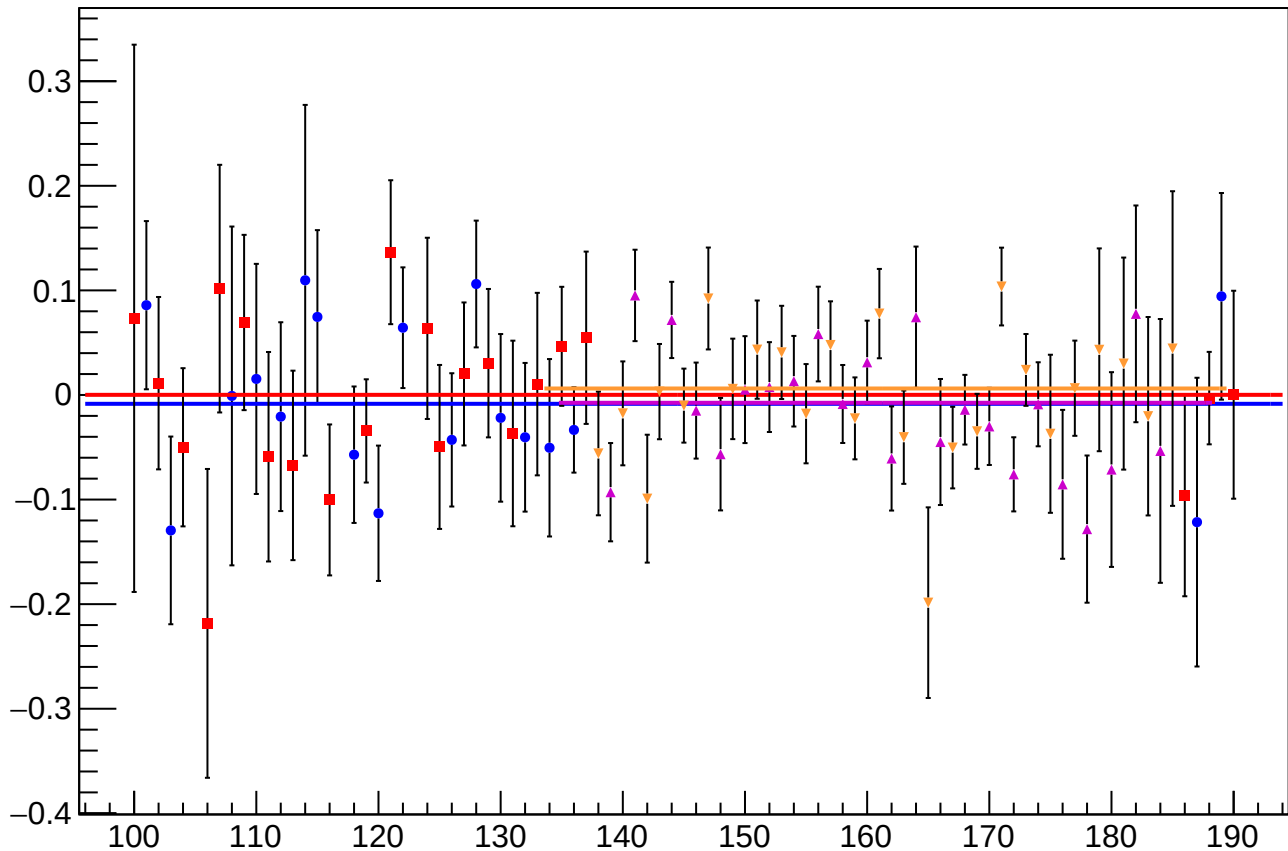
Left In: 0.000+/-0.000 χ^2/NDF : 1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 4639122.8/42

All: 0.000+/-0.000 χ^2/NDF : 11619178.5/87

- sign 0.000+/-0.000 χ^2/NDF : 6933923.6/44

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.018 $\chi^2/\text{NDF}: 16.0/17$

Left Out: 0.006 ± 0.010 $\chi^2/\text{NDF}: 30.8/24$

Right Out: 0.000 ± 0.016 $\chi^2/\text{NDF}: 14.9/21$

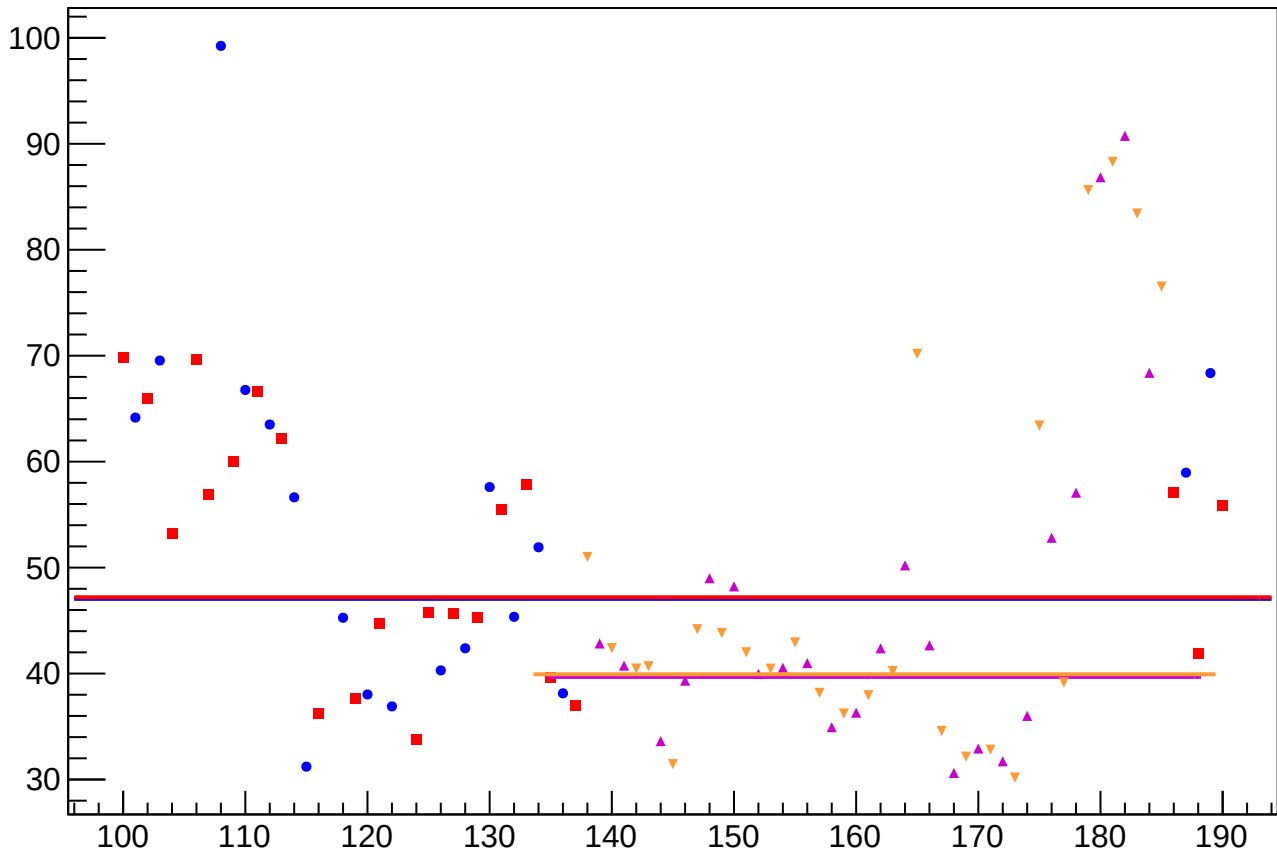
Left In: -0.007 ± 0.010 $\chi^2/\text{NDF}: 30.4/22$

+ sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 47.3/42$

All: -0.001 ± 0.006 $\chi^2/\text{NDF}: 93.3/87$

- sign -0.005 ± 0.008 $\chi^2/\text{NDF}: 45.5/44$

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 47.051+/-0.012 χ^2/NDF : 1016342.2/17

Left Out: 39.930+/-0.007 χ^2/NDF : 2475485.4/24

Right Out: 47.200+/-0.012 χ^2/NDF : 719710.7/21

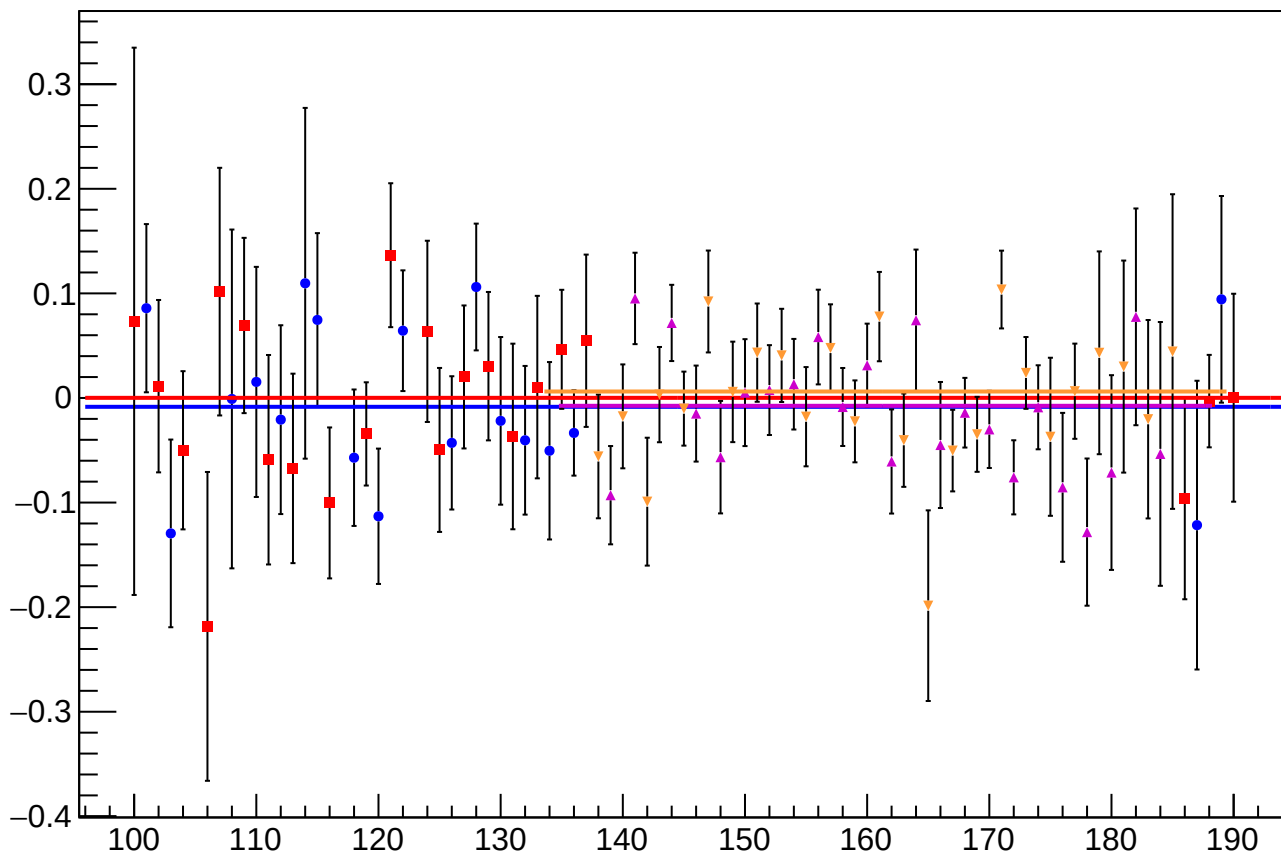
Left In: 39.686+/-0.007 χ^2/NDF : 1915871.4/22

+ sign 41.562+/-0.006 χ^2/NDF : 3745399.8/42

All: 41.620+/-0.004 χ^2/NDF : 6694535.6/87

- sign 41.678+/-0.006 χ^2/NDF : 2948943.6/44

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.018 $\chi^2/\text{NDF}: 16.0/17$

Left Out: 0.006 ± 0.010 $\chi^2/\text{NDF}: 30.8/24$

Right Out: 0.000 ± 0.016 $\chi^2/\text{NDF}: 14.9/21$

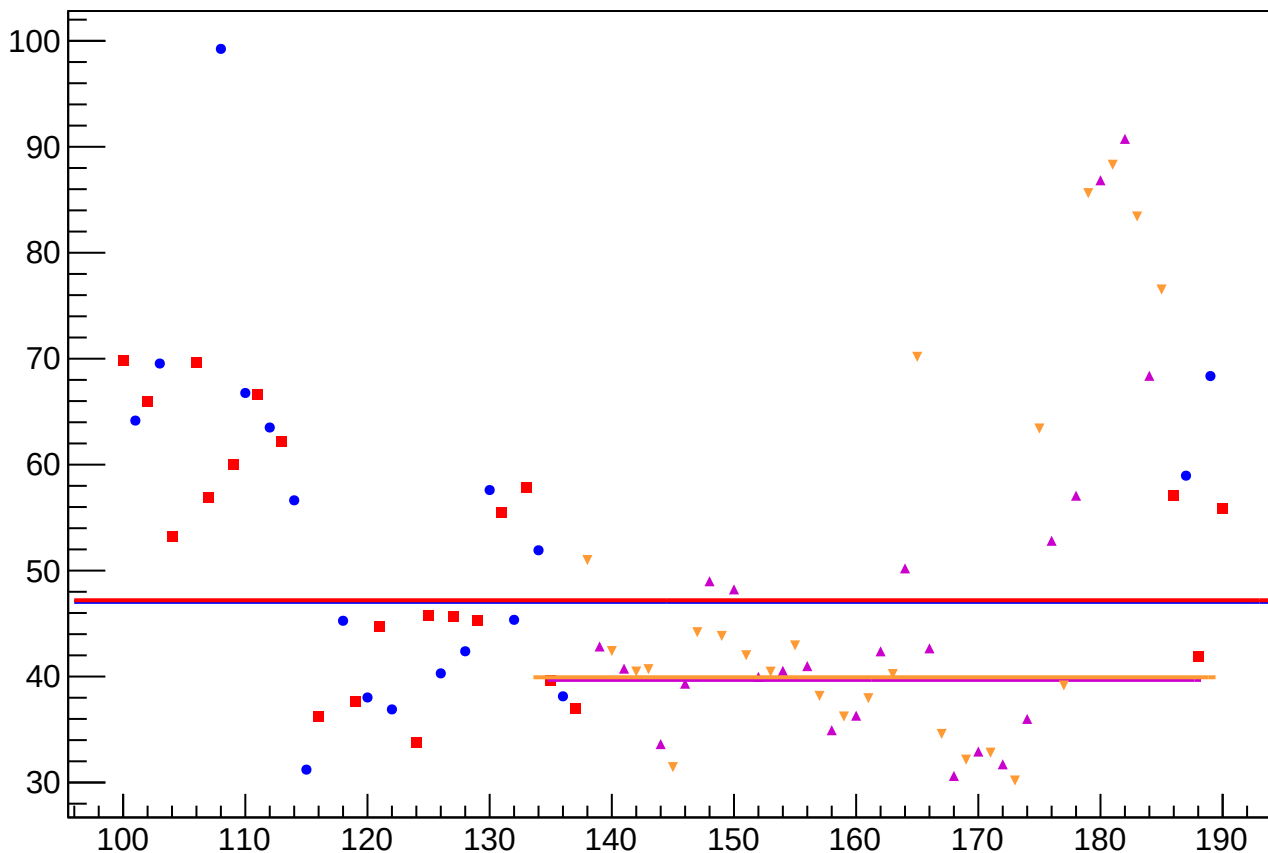
Left In: -0.007 ± 0.010 $\chi^2/\text{NDF}: 30.4/22$

+ sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 47.3/42$

All: -0.001 ± 0.006 $\chi^2/\text{NDF}: 93.3/87$

- sign -0.005 ± 0.008 $\chi^2/\text{NDF}: 45.5/44$

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.051 $\pm$ 0.012 χ^2 /NDF: 1016342.2/17

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475485.4/24

Right Out: 47.200 $\pm$ 0.012 χ^2 /NDF: 719710.7/21

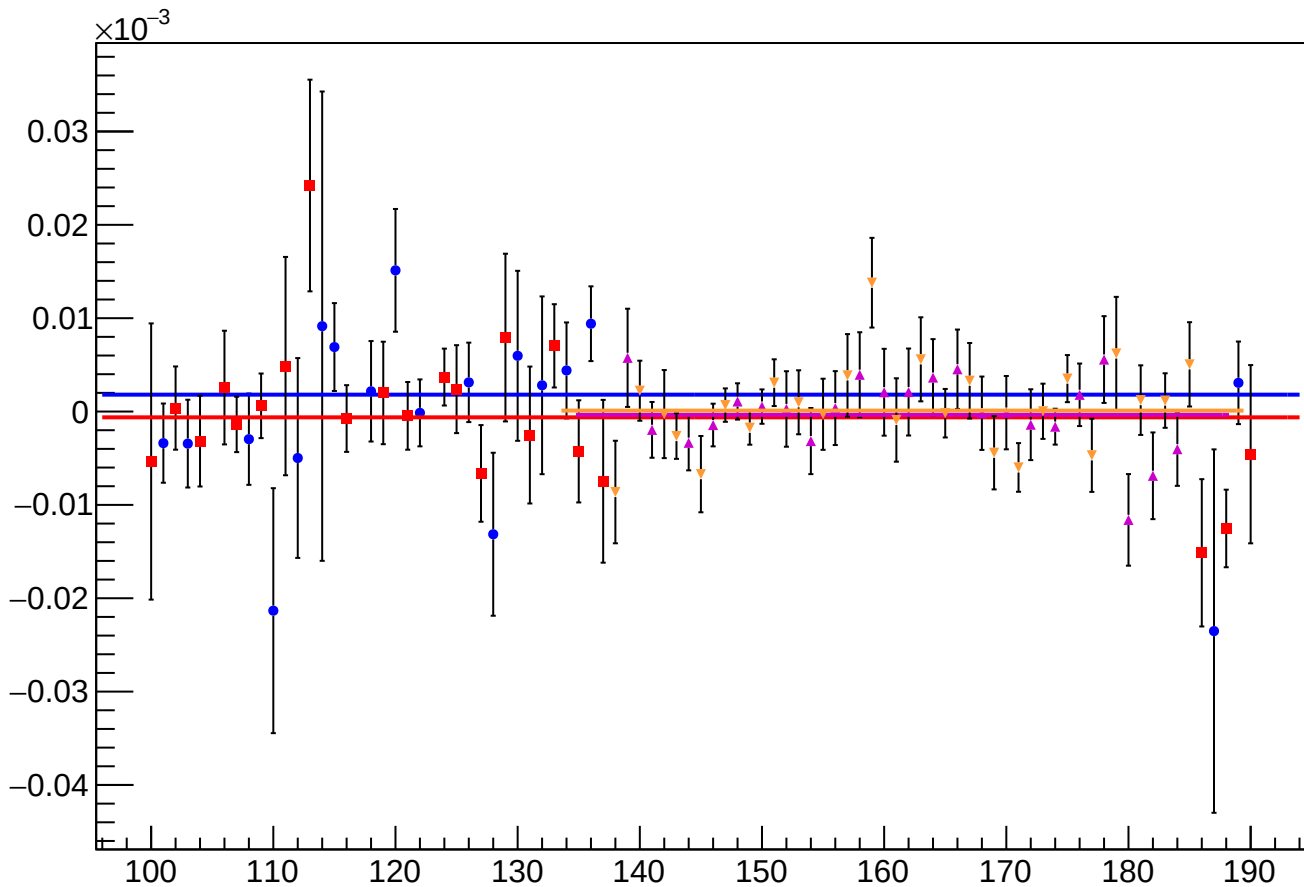
Left In: 39.686 $\pm$ 0.007 χ^2 /NDF: 1915871.4/22

+ sign 41.562 $\pm$ 0.006 χ^2 /NDF: 3745399.8/42

All: 41.620 $\pm$ 0.004 χ^2 /NDF: 6694535.6/87

- sign 41.678 $\pm$ 0.006 χ^2 /NDF: 2948943.6/44

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 21.7/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 33.2/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 26.6/21

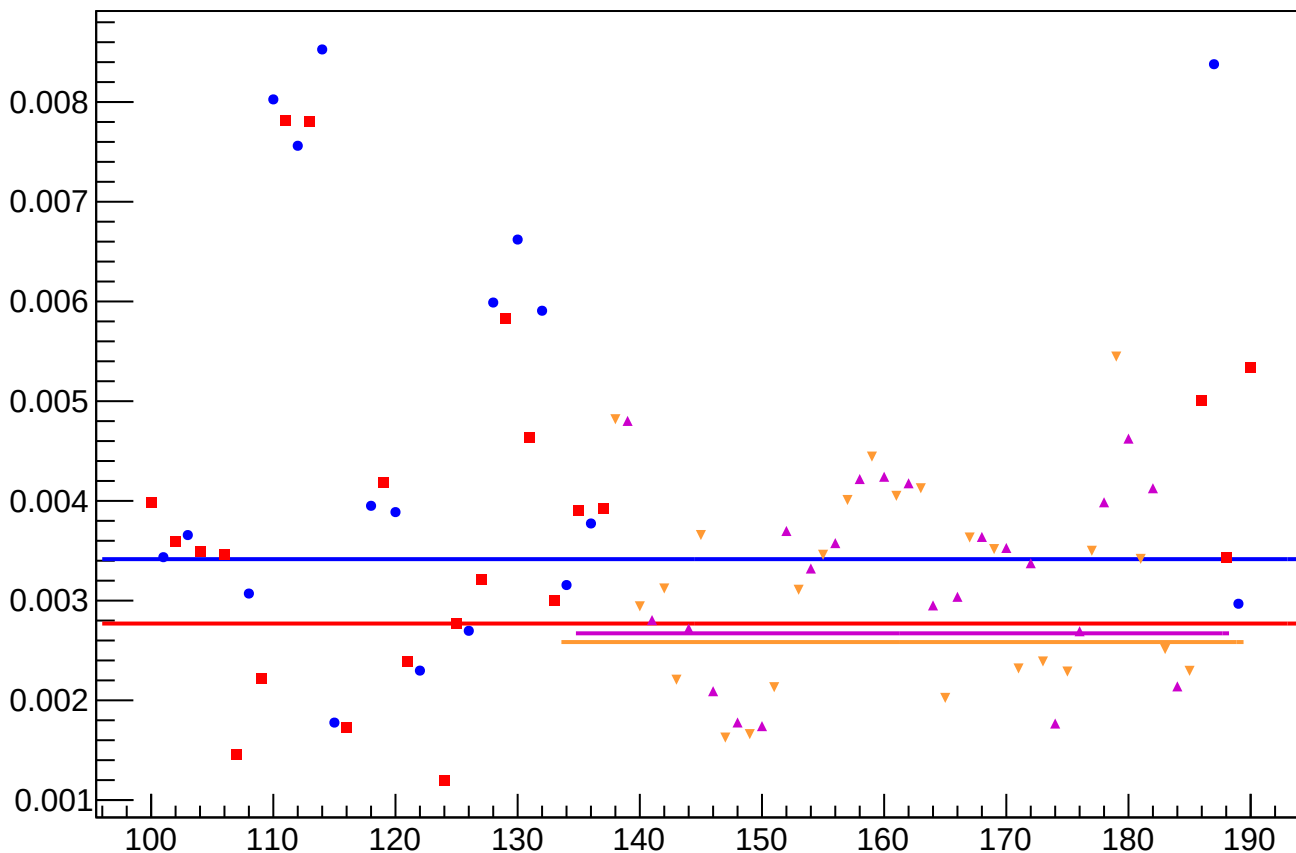
Left In: -0.000 ± 0.000 χ^2/NDF : 18.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 56.3/42

All: -0.000 ± 0.000 χ^2/NDF : 102.9/87

- sign -0.000 ± 0.000 χ^2/NDF : 45.4/44

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1899434.8/17

Left Out: 0.003+/-0.000 χ^2/NDF : 3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3079098.5/21

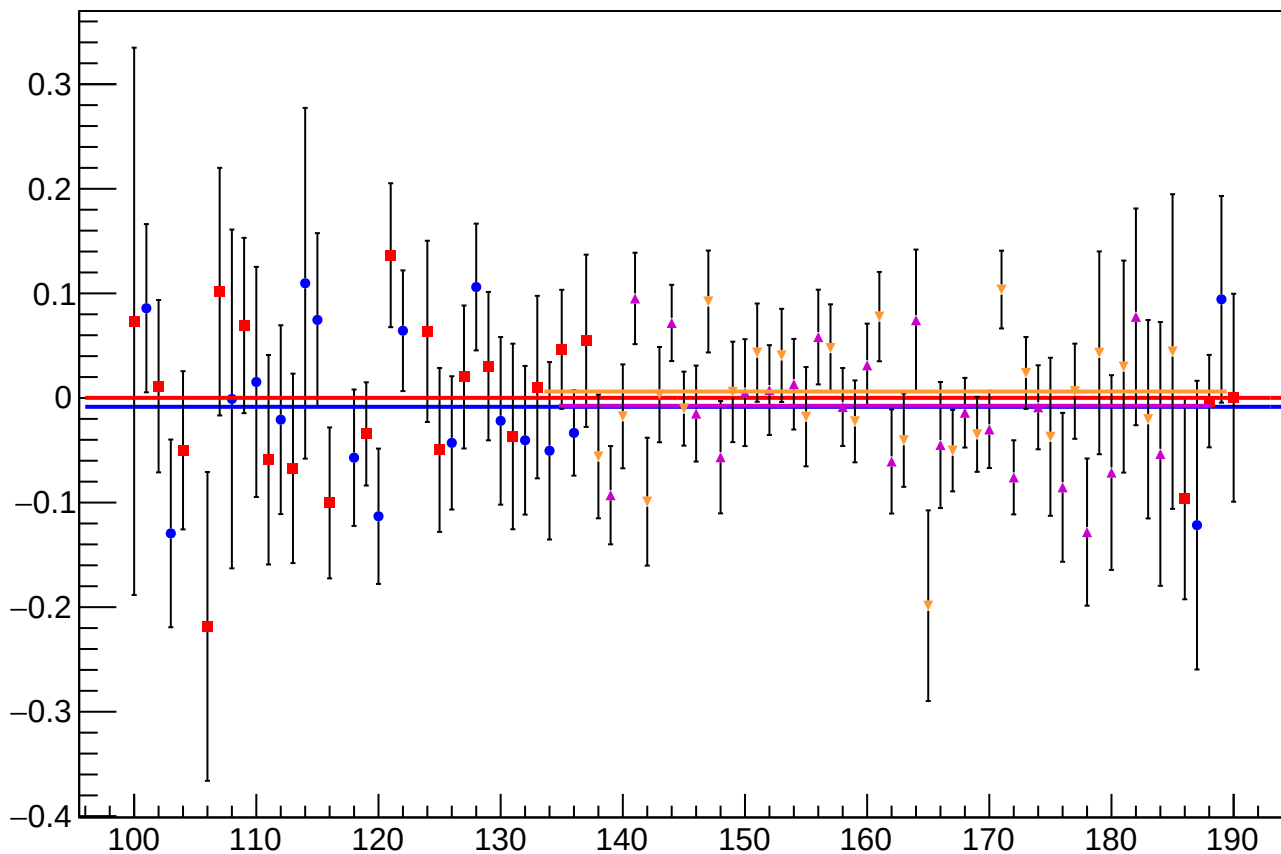
Left In: 0.003+/-0.000 χ^2/NDF : 3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 6449702.0/42

All: 0.003+/-0.000 χ^2/NDF : 13371794.1/87

- sign 0.003+/-0.000 χ^2/NDF : 6917339.4/44

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.008 ± 0.018 $\chi^2/\text{NDF}: 16.0/17$

Left Out: 0.006 ± 0.010 $\chi^2/\text{NDF}: 30.8/24$

Right Out: 0.000 ± 0.016 $\chi^2/\text{NDF}: 14.9/21$

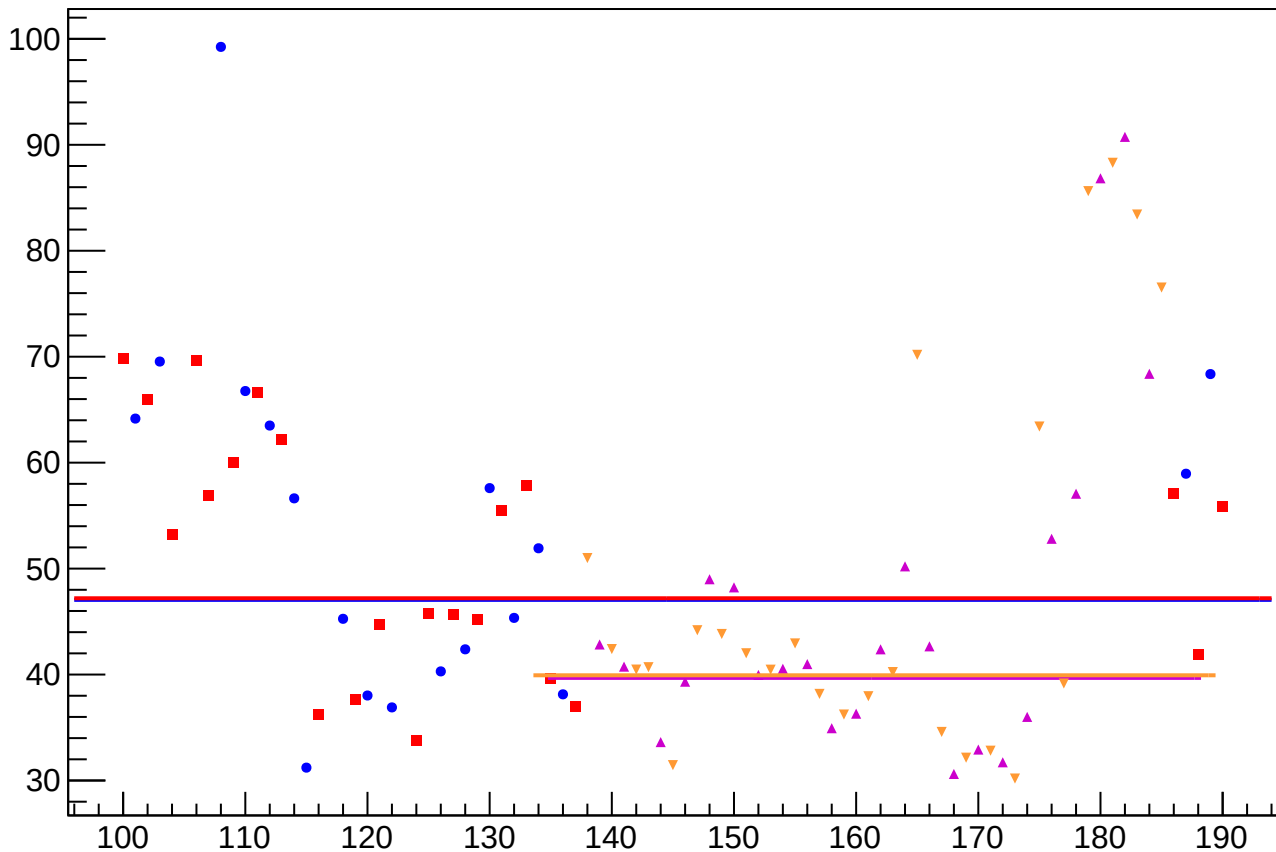
Left In: -0.007 ± 0.010 $\chi^2/\text{NDF}: 30.4/22$

+ sign 0.003 ± 0.008 $\chi^2/\text{NDF}: 47.3/42$

All: -0.001 ± 0.006 $\chi^2/\text{NDF}: 93.3/87$

- sign -0.005 ± 0.008 $\chi^2/\text{NDF}: 45.5/44$

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.049 $\pm$ 0.012 χ^2 /NDF: 1016323.6/17

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475527.1/24

Right Out: 47.200 $\pm$ 0.012 χ^2 /NDF: 719693.0/21

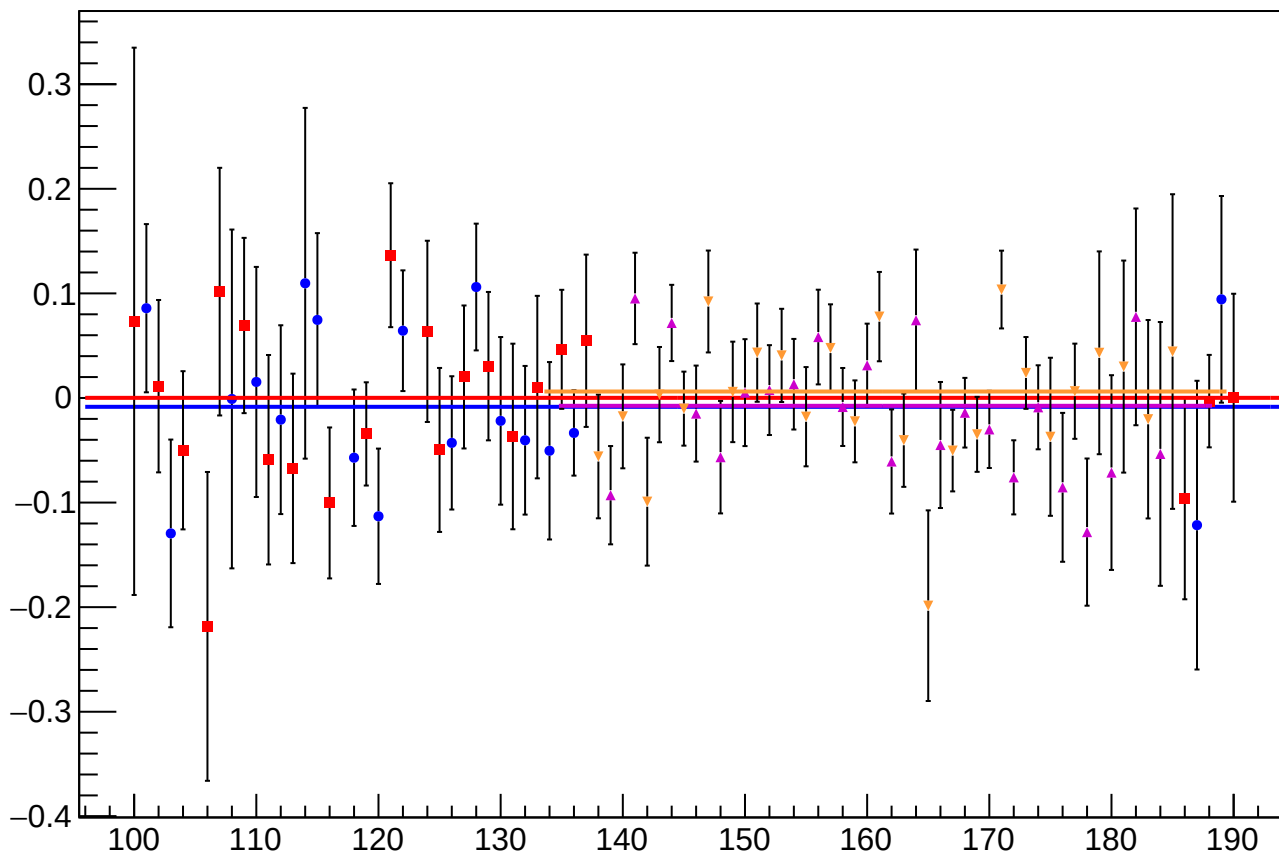
Left In: 39.685 $\pm$ 0.007 χ^2 /NDF: 1915901.2/22

+ sign 41.561 $\pm$ 0.006 χ^2 /NDF: 3745315.9/42

All: 41.620 $\pm$ 0.004 χ^2 /NDF: 6694422.3/87

- sign 41.677 $\pm$ 0.006 χ^2 /NDF: 2948914.5/44

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008 ± 0.018 χ^2/NDF : 16.0/17

Left Out: 0.006 ± 0.010 χ^2/NDF : 30.8/24

Right Out: 0.000 ± 0.016 χ^2/NDF : 14.9/21

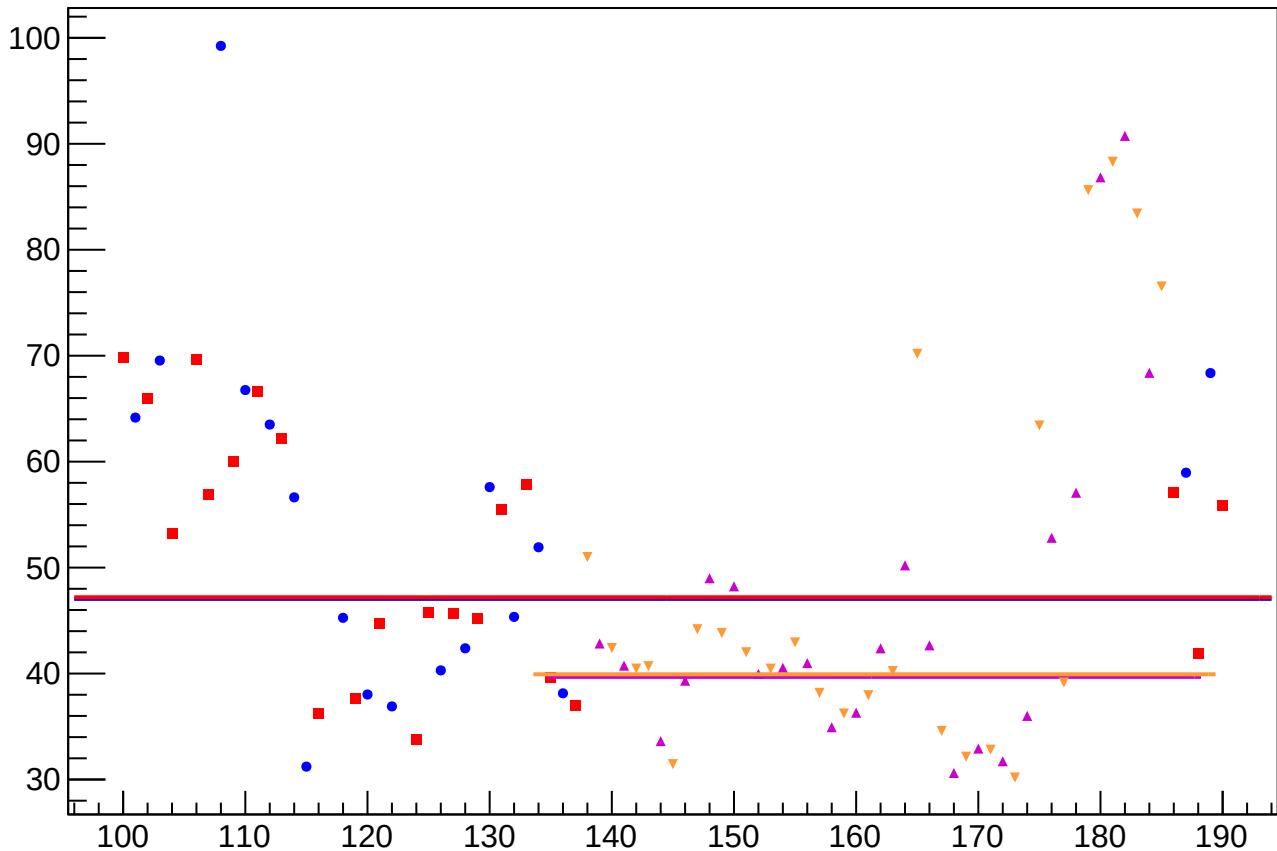
Left In: -0.007 ± 0.010 χ^2/NDF : 30.4/22

+ sign 0.003 ± 0.008 χ^2/NDF : 47.3/42

All: -0.001 ± 0.006 χ^2/NDF : 93.3/87

- sign -0.005 ± 0.008 χ^2/NDF : 45.5/44

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.049 $\pm$ 0.012 χ^2 /NDF: 1016323.6/17

Left Out: 39.930 $\pm$ 0.007 χ^2 /NDF: 2475527.1/24

Right Out: 47.200 $\pm$ 0.012 χ^2 /NDF: 719693.0/21

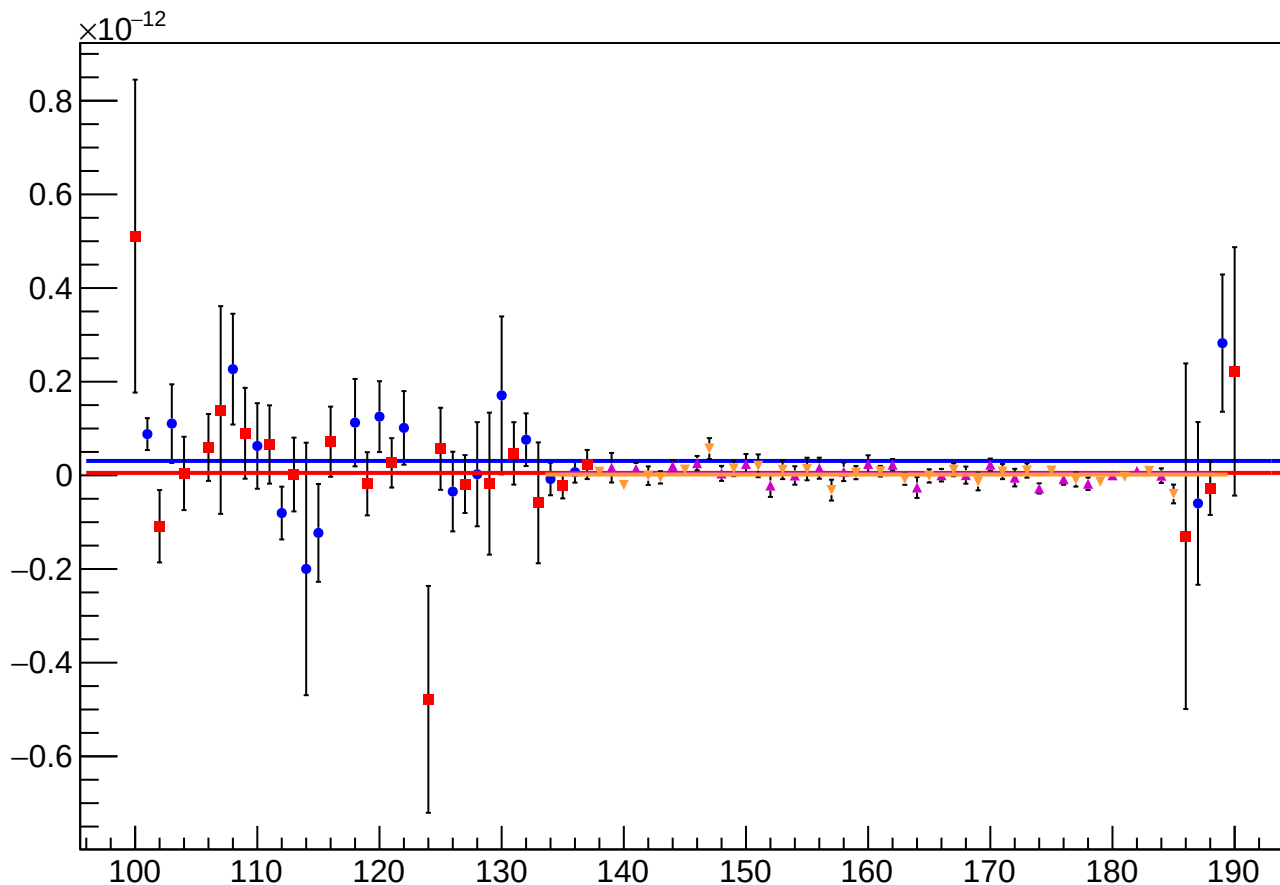
Left In: 39.685 $\pm$ 0.007 χ^2 /NDF: 1915901.2/22

+ sign 41.561 $\pm$ 0.006 χ^2 /NDF: 3745315.9/42

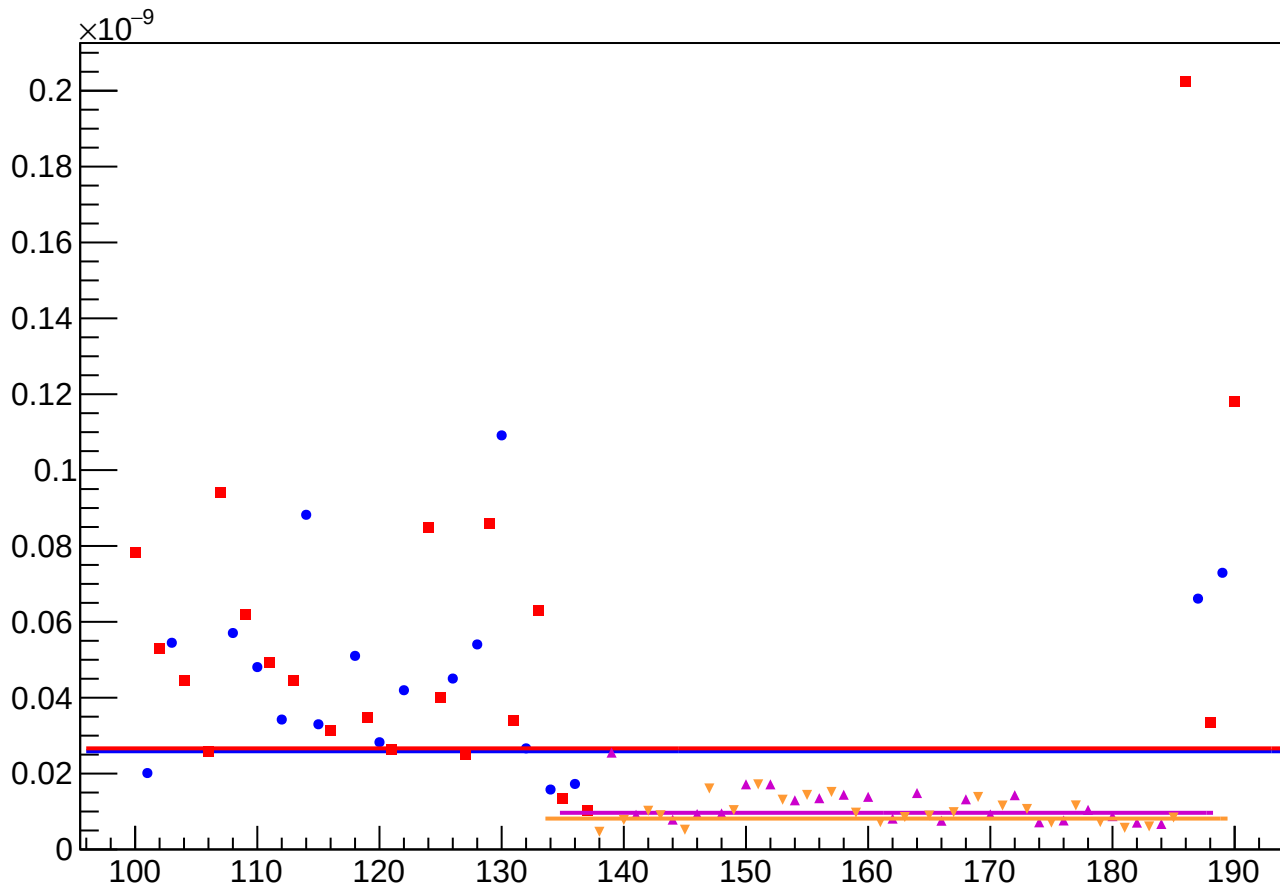
All: 41.620 $\pm$ 0.004 χ^2 /NDF: 6694422.3/87

- sign 41.677 $\pm$ 0.006 χ^2 /NDF: 2948914.5/44

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug



asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2435799.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2354980.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 3519720.5/21

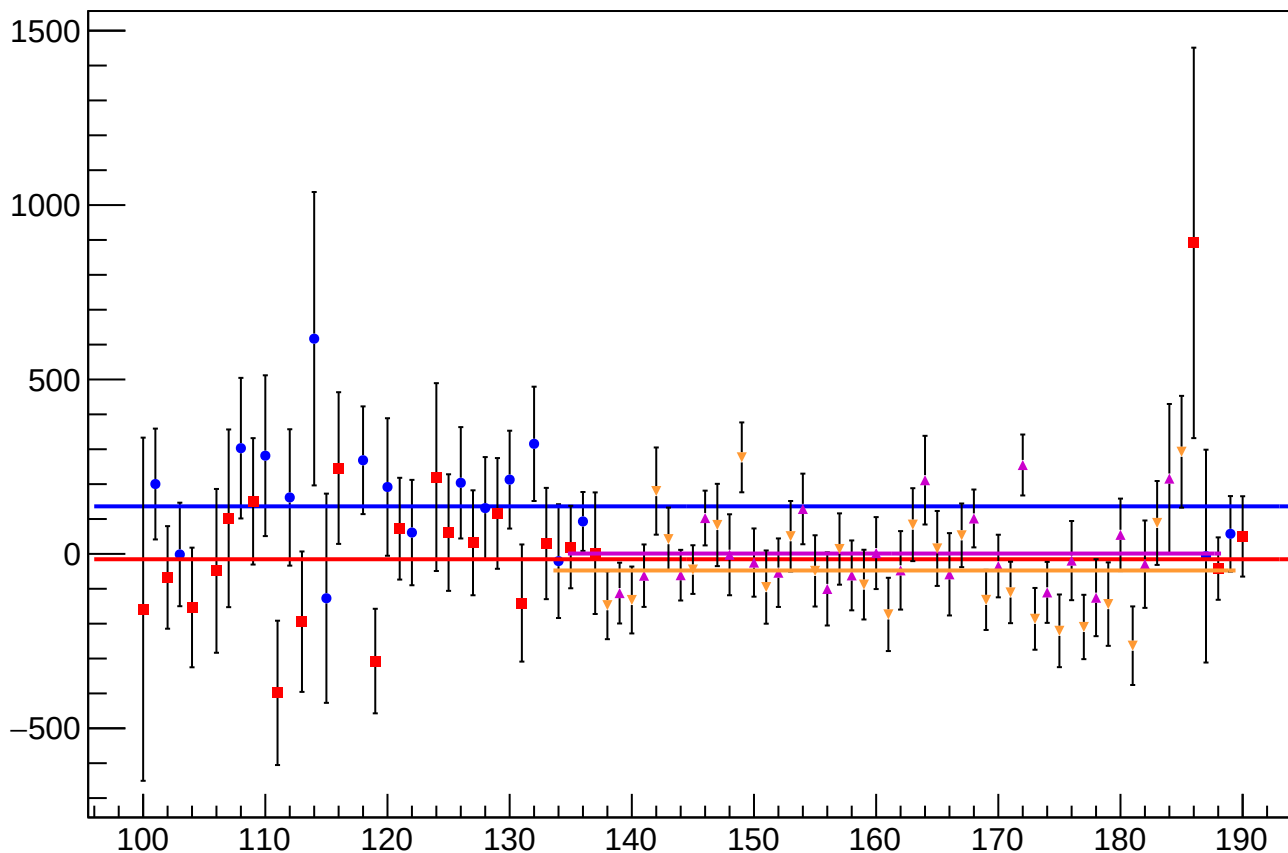
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 2106161.0/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 8162047.6/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 17004498.1/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 8479756.6/44

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 136.297 $\pm$ 36.986 χ^2 /NDF: 8.9/17

Left Out: -47.524 $\pm$ 19.983 χ^2 /NDF:44.0/24

Right Out: -15.339 $\pm$ 34.807 χ^2 /NDF: 17.3/21

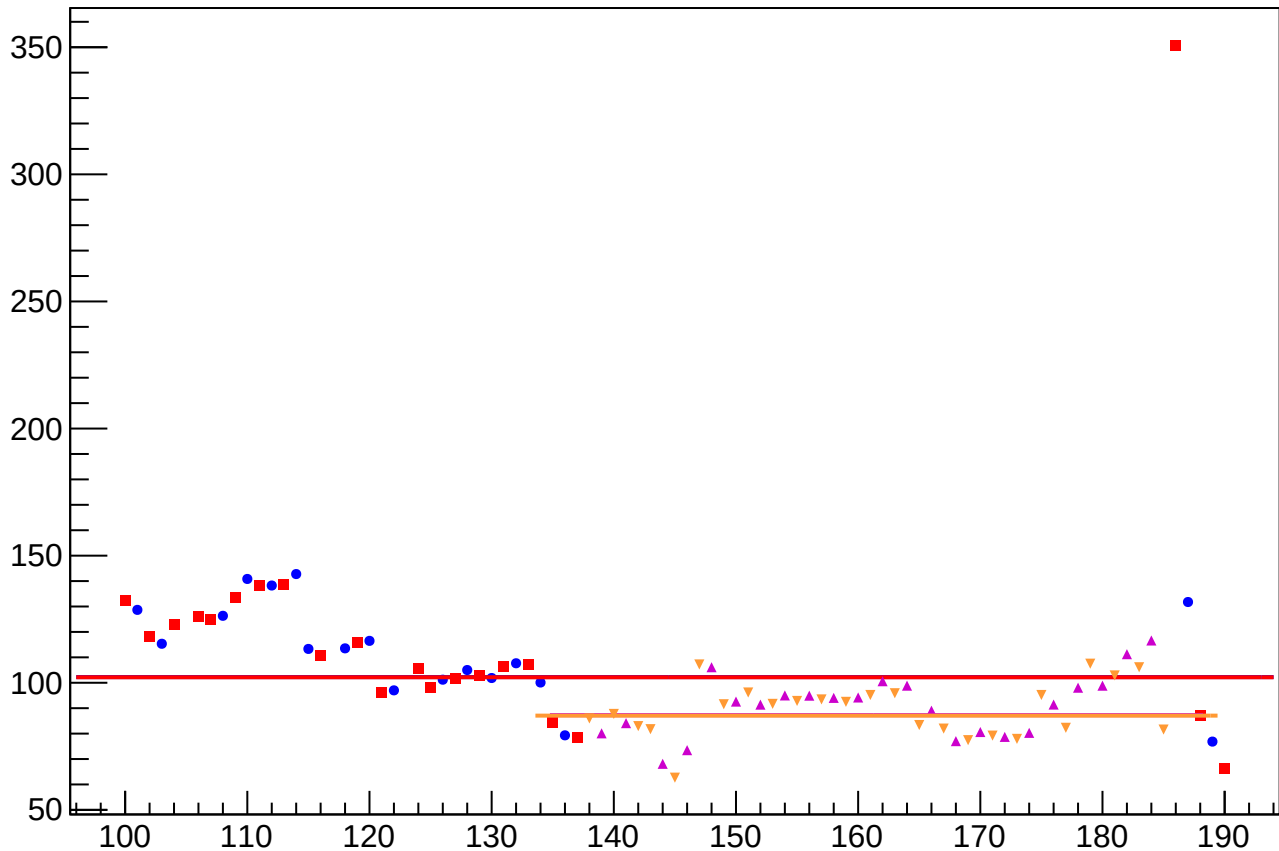
Left In: 0.986 $\pm$ 20.604 χ^2 /NDF:25.5/22

+ sign -5.989 $\pm$ 17.581 χ^2 /NDF: 72.0/42

All: -4.631 $\pm$ 12.484 χ^2 /NDF: 114.9/87

- sign -3.250 $\pm$ 17.730 χ^2 /NDF: 42.9/44

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 102.234 $\pm$ 0.026 χ^2 /NDF: 547869.7/17

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 102.162 $\pm$ 0.025 χ^2 /NDF: 1040327.1/21

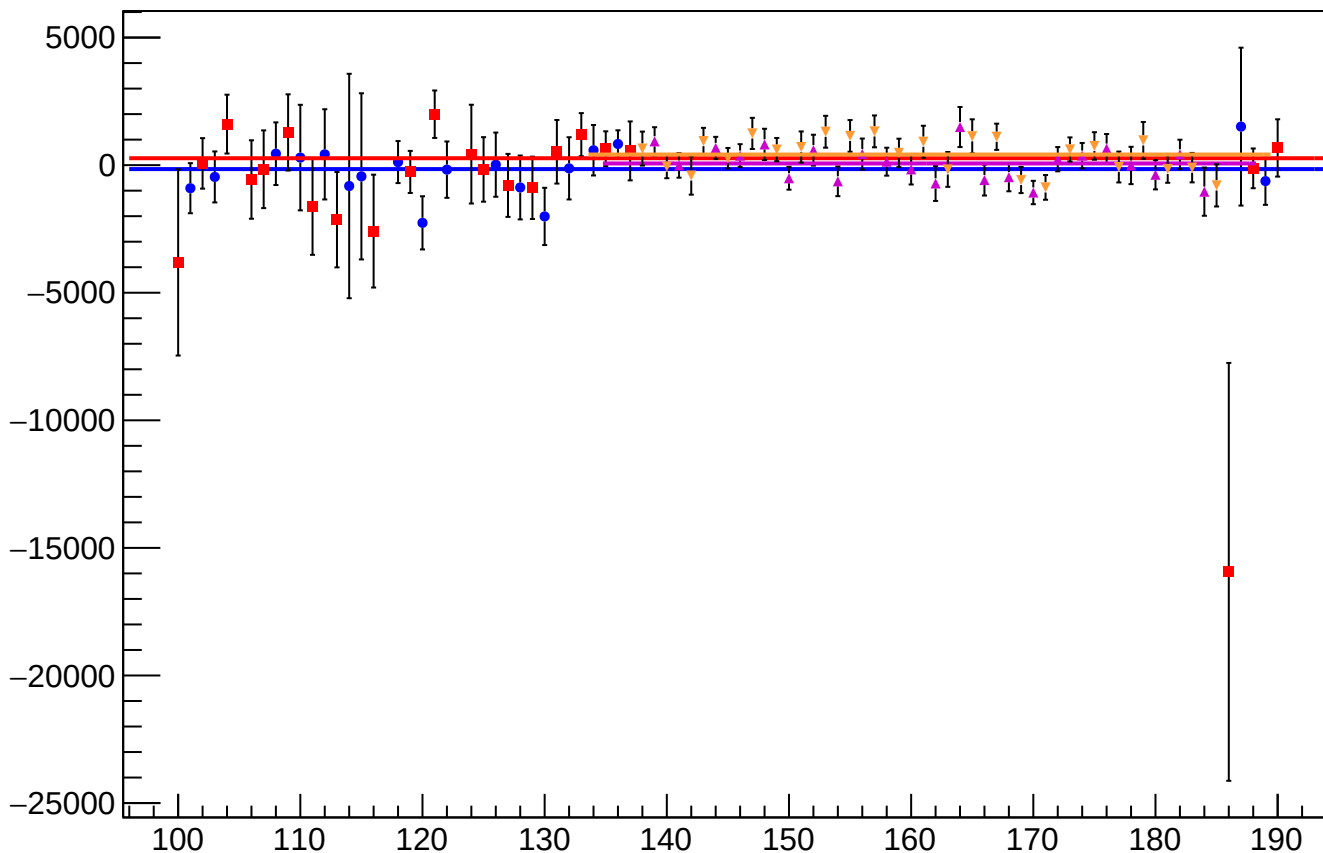
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 90.498 $\pm$ 0.012 χ^2 /NDF: 1428656.3/42

All: 90.808 $\pm$ 0.009 χ^2 /NDF: 3337621.9/87

- sign 91.124 $\pm$ 0.013 χ^2 /NDF: 1907706.6/44

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: -154.651 ± 257.192 χ^2/NDF : 12.9/17

Left Out: 416.424 ± 112.336 χ^2/NDF : 32.4/24

Right Out: 271.021 ± 248.762 χ^2/NDF : 19.3/21

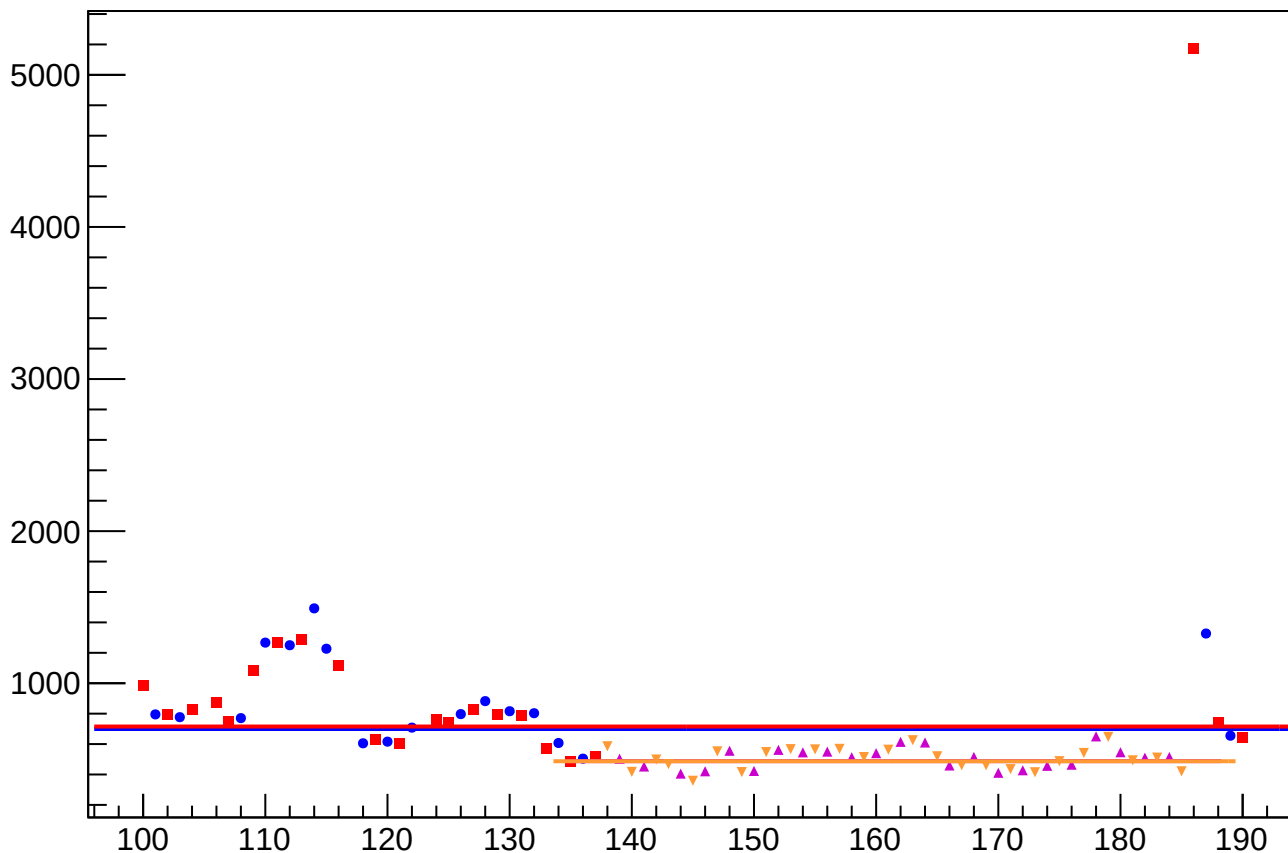
Left In: 66.675 ± 115.419 χ^2/NDF : 27.5/22

+ sign 324.932 ± 102.945 χ^2/NDF : 49.4/42

All: 215.778 ± 73.405 χ^2/NDF : 99.1/87

- sign 102.873 ± 104.699 χ^2/NDF : 47.4/44

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 699.113 $\pm$ 0.182 χ^2 /NDF: 999686.1/17

Left Out: 487.081 $\pm$ 0.079 χ^2 /NDF: 821265.9/24

Right Out: 715.304 $\pm$ 0.176 χ^2 /NDF: 1639042.5/21

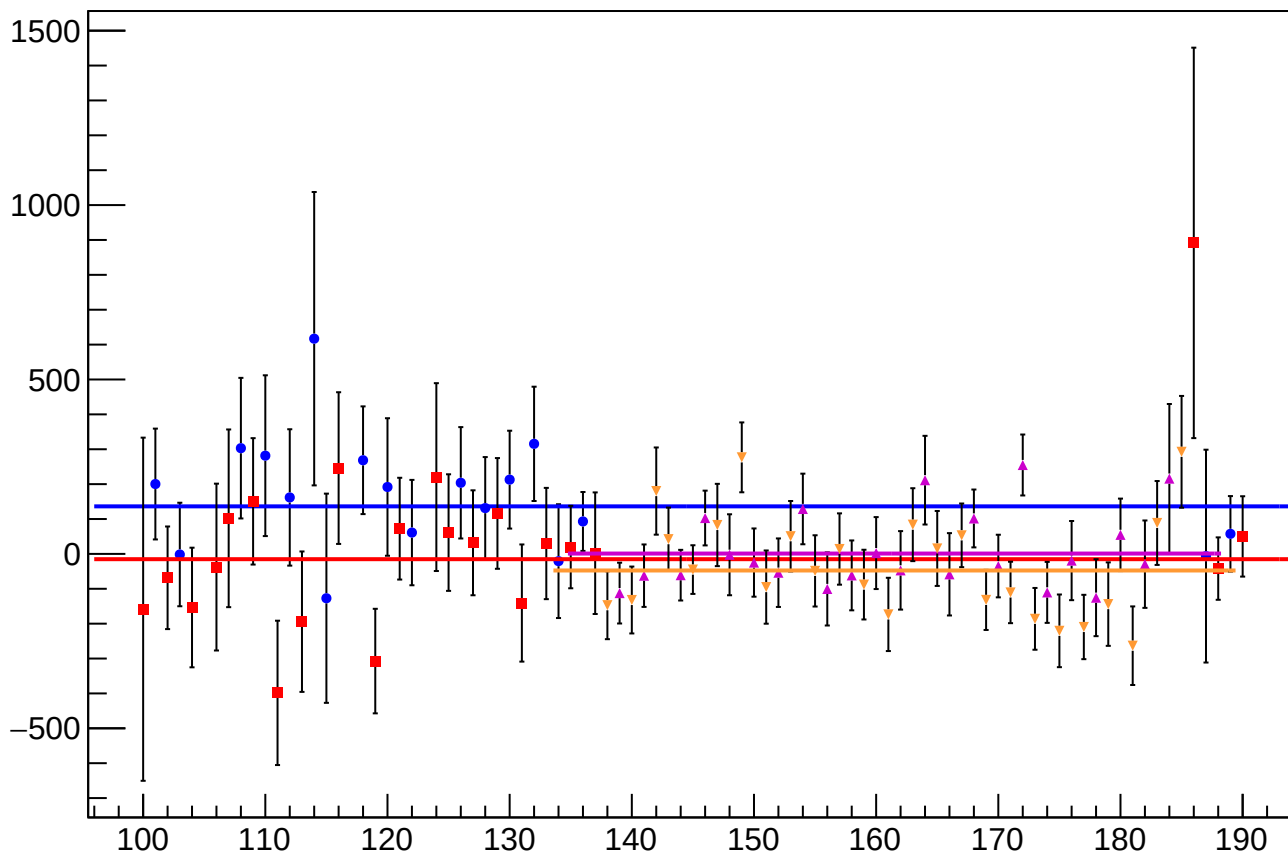
Left In: 487.930 $\pm$ 0.082 χ^2 /NDF: 634269.5/22

+ sign 521.051 $\pm$ 0.073 χ^2 /NDF: 2962486.8/42

All: 524.568 $\pm$ 0.052 χ^2 /NDF: 6615441.7/87

- sign 528.207 $\pm$ 0.074 χ^2 /NDF: 3648204.2/44

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 136.287 ± 36.986 χ^2/NDF : 8.9/17

Left Out: -47.532 ± 19.983 χ^2/NDF : 44.0/24

Right Out: -15.144 ± 34.822 χ^2/NDF : 17.3/21

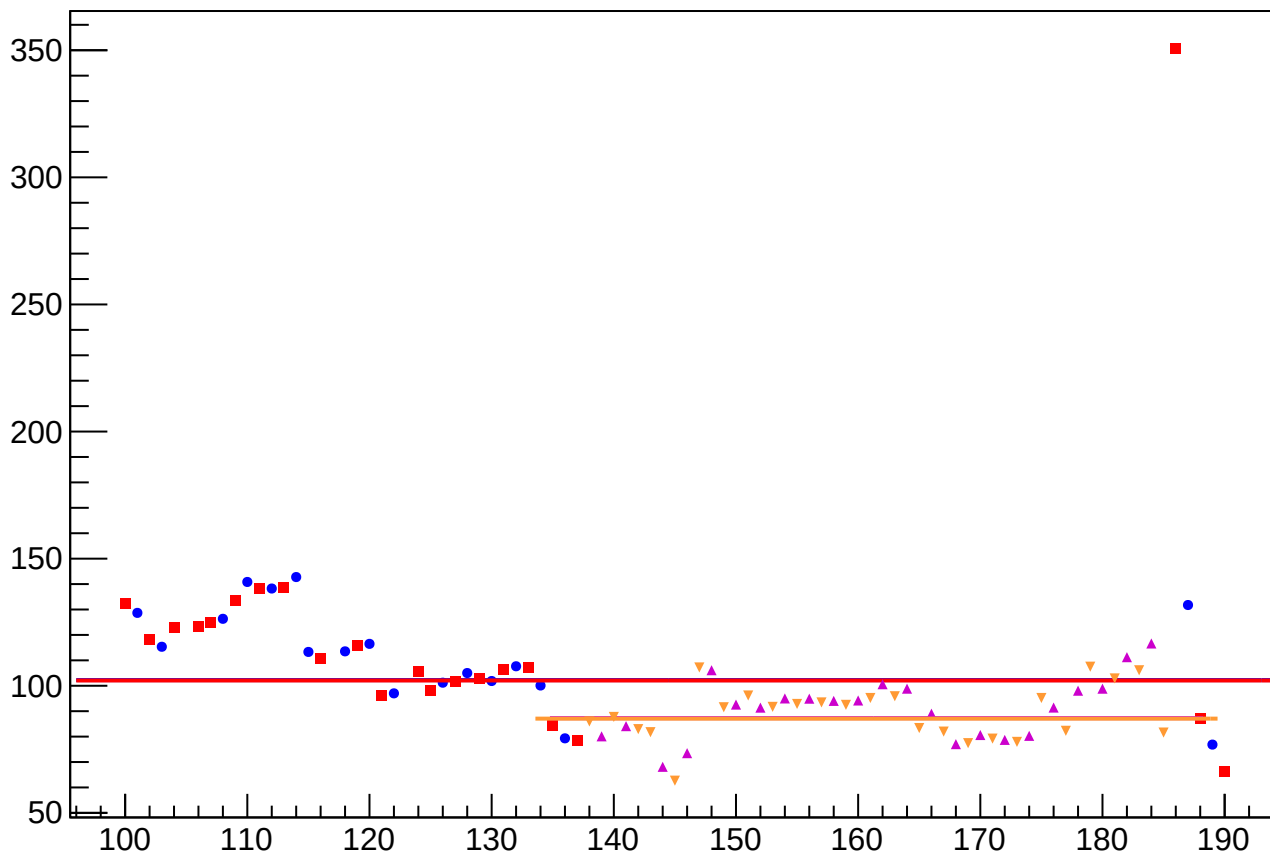
Left In: 0.988 ± 20.604 χ^2/NDF : 25.5/22

+ sign -5.998 ± 17.581 χ^2/NDF : 72.0/42

All: -4.609 ± 12.485 χ^2/NDF : 114.9/87

- sign -3.195 ± 17.732 χ^2/NDF : 42.9/44

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 102.234 $\pm$ 0.026 χ^2 /NDF: 547870.0/17

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 102.084 $\pm$ 0.025 χ^2 /NDF: 1035210.0/21

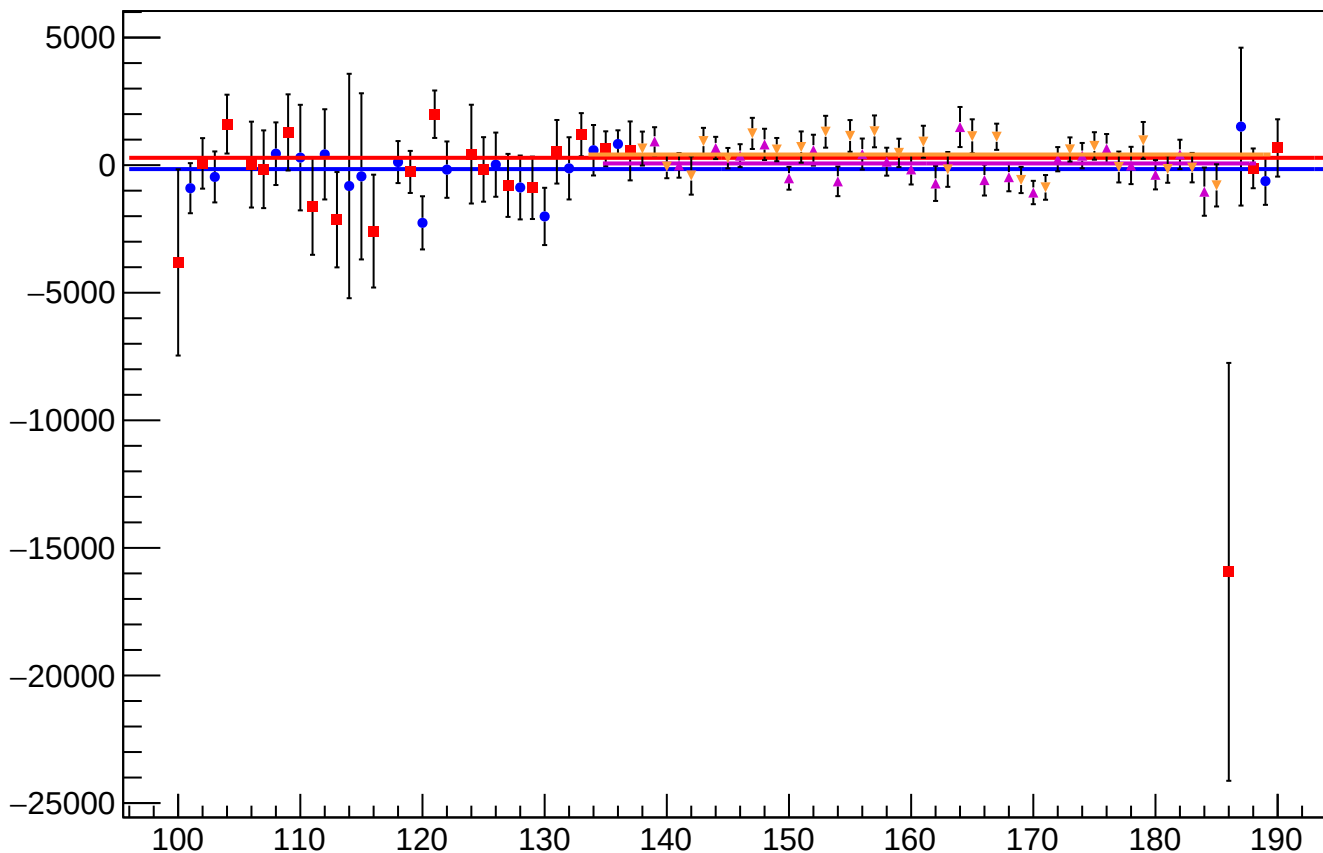
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 90.498 $\pm$ 0.012 χ^2 /NDF: 1428656.7/42

All: 90.797 $\pm$ 0.009 χ^2 /NDF: 3329429.1/87

- sign 91.102 $\pm$ 0.013 χ^2 /NDF: 1899602.4/44

asym_sam_26_48_dd_cor_correction_mean vs Slug



Right In: -154.643 ± 257.192 χ^2/NDF : 12.9/17

Left Out: 416.416 ± 112.336 χ^2/NDF : 32.4/24

Right Out: 287.469 ± 249.312 χ^2/NDF : 19.1/21

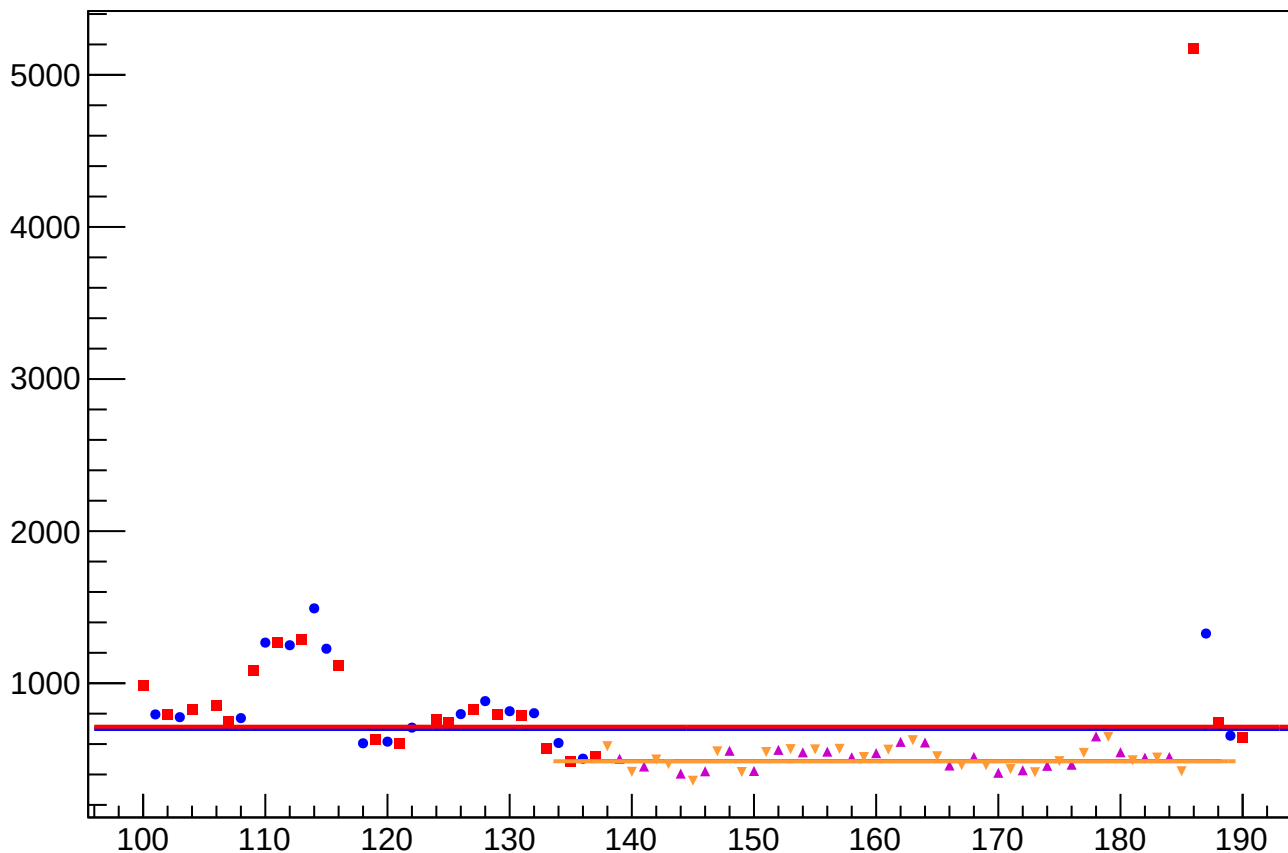
Left In: 66.674 ± 115.419 χ^2/NDF : 27.5/22

+ sign 324.926 ± 102.945 χ^2/NDF : 49.4/42

All: 217.180 ± 73.419 χ^2/NDF : 98.9/87

- sign 105.643 ± 104.739 χ^2/NDF : 47.2/44

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 699.113+/-0.182 χ^2/NDF : 999695.6/17

Left Out: 487.081+/-0.079 χ^2/NDF : 821261.6/24

Right Out: 714.188+/-0.176 χ^2/NDF : 1631352.5/21

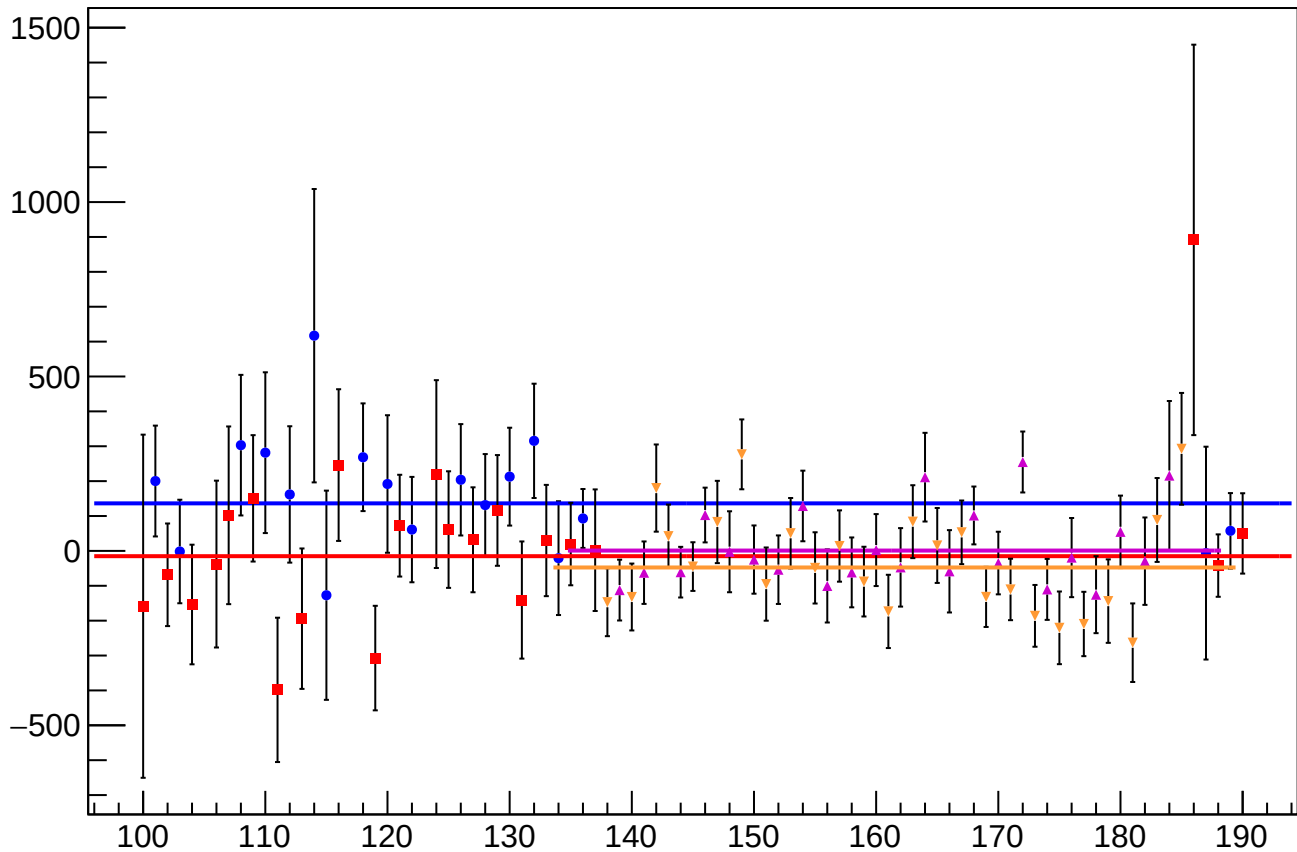
Left In: 487.930+/-0.082 χ^2/NDF : 634273.3/22

+ sign 521.051+/-0.073 χ^2/NDF : 2962493.5/42

All: 524.398+/-0.052 χ^2/NDF : 6588909.0/87

- sign 527.864+/-0.074 χ^2/NDF : 3622111.4/44

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 136.287 ± 36.986 χ^2/NDF : 8.9/17

Left Out: -47.532 ± 19.983 χ^2/NDF : 44.0/24

Right Out: -15.144 ± 34.822 χ^2/NDF : 17.3/21

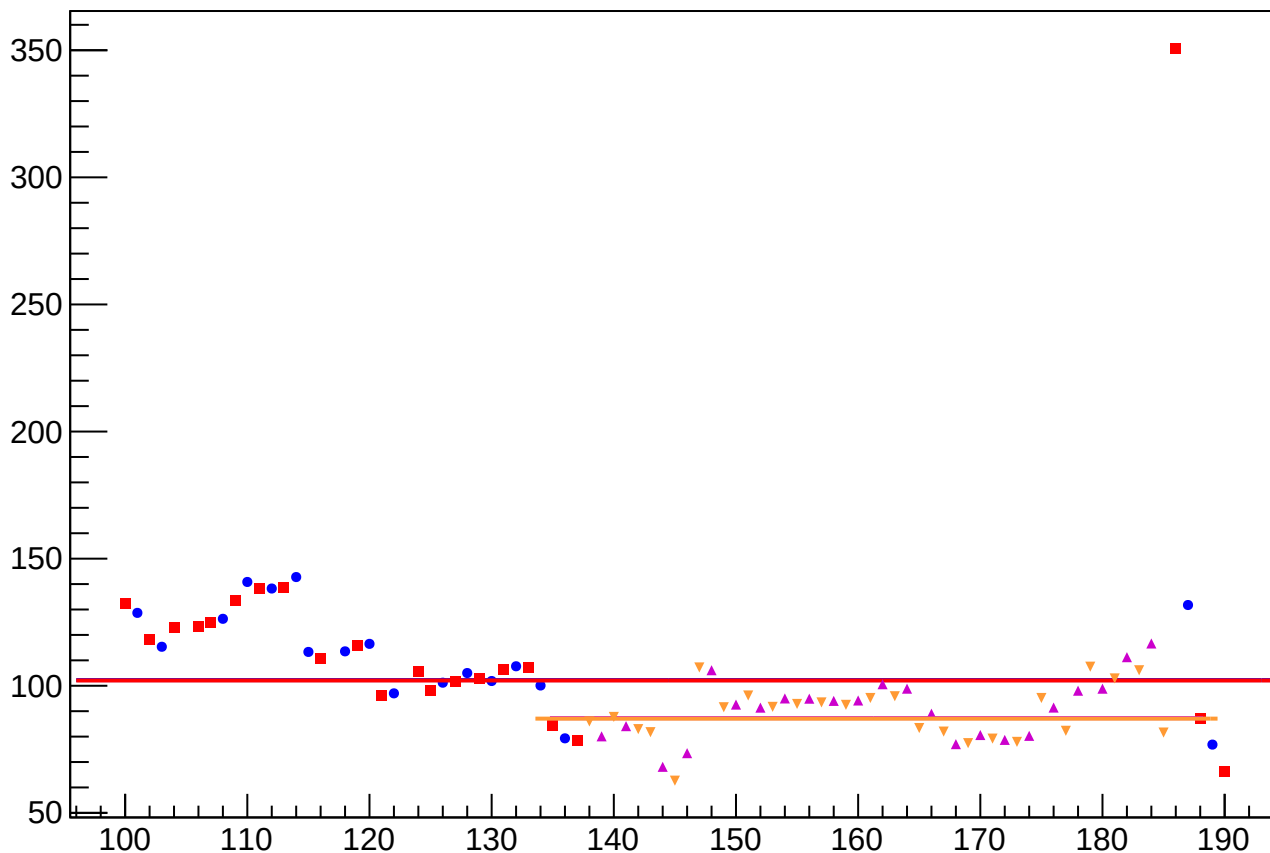
Left In: 0.988 ± 20.604 χ^2/NDF : 25.5/22

+ sign -5.998 ± 17.581 χ^2/NDF : 72.0/42

All: -4.609 ± 12.485 χ^2/NDF : 114.9/87

- sign -3.195 ± 17.732 χ^2/NDF : 42.9/44

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 102.234 $\pm$ 0.026 χ^2 /NDF: 547870.0/17

Left Out: 87.072 $\pm$ 0.014 χ^2 /NDF: 620626.5/24

Right Out: 102.084 $\pm$ 0.025 χ^2 /NDF: 1035210.0/21

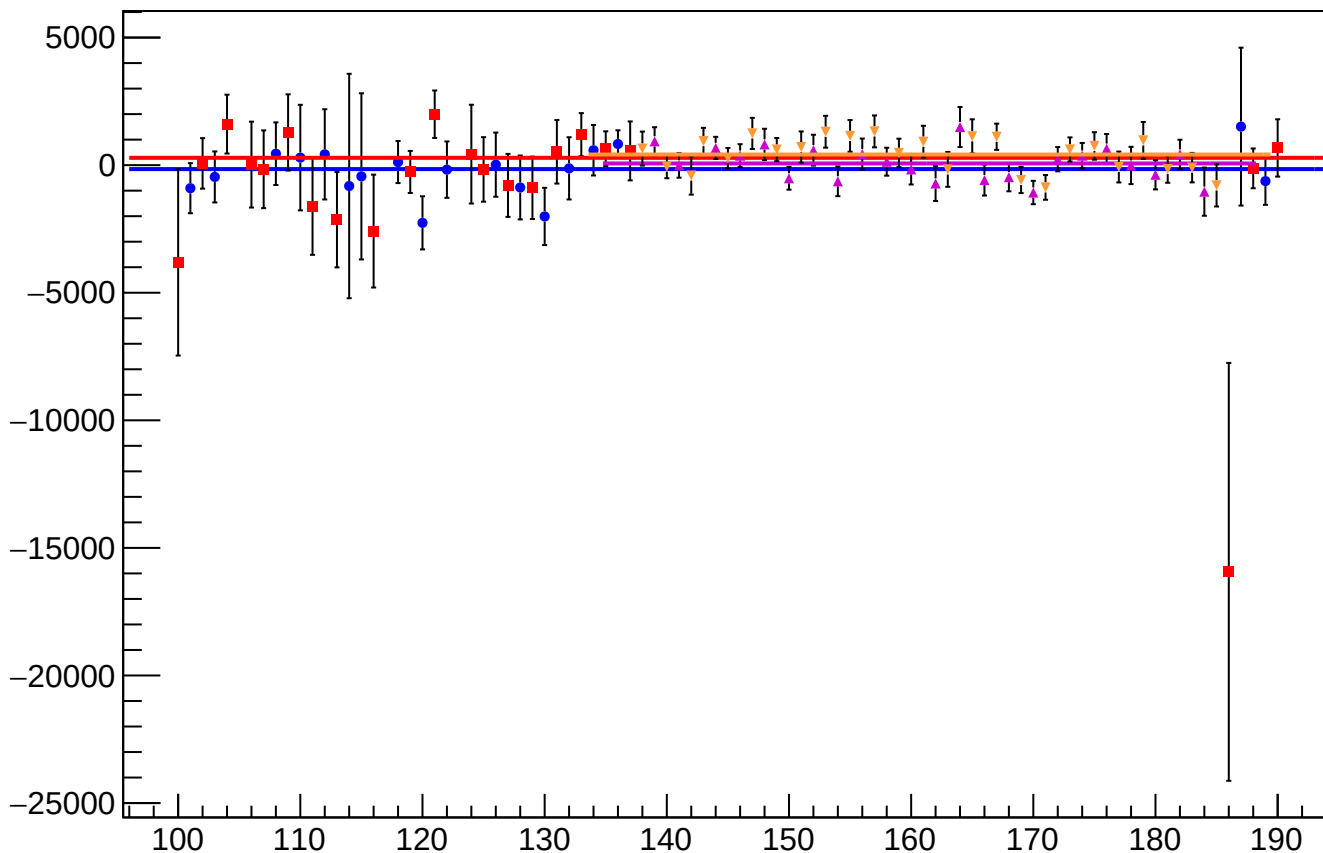
Left In: 87.257 $\pm$ 0.015 χ^2 /NDF: 595793.1/22

+ sign 90.498 $\pm$ 0.012 χ^2 /NDF: 1428656.7/42

All: 90.797 $\pm$ 0.009 χ^2 /NDF: 3329429.1/87

- sign 91.102 $\pm$ 0.013 χ^2 /NDF: 1899602.4/44

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug



Right In: -154.643 ± 257.192 χ^2/NDF : 12.9/17

Left Out: 416.416 ± 112.336 χ^2/NDF : 32.4/24

Right Out: 287.469 ± 249.312 χ^2/NDF : 19.1/21

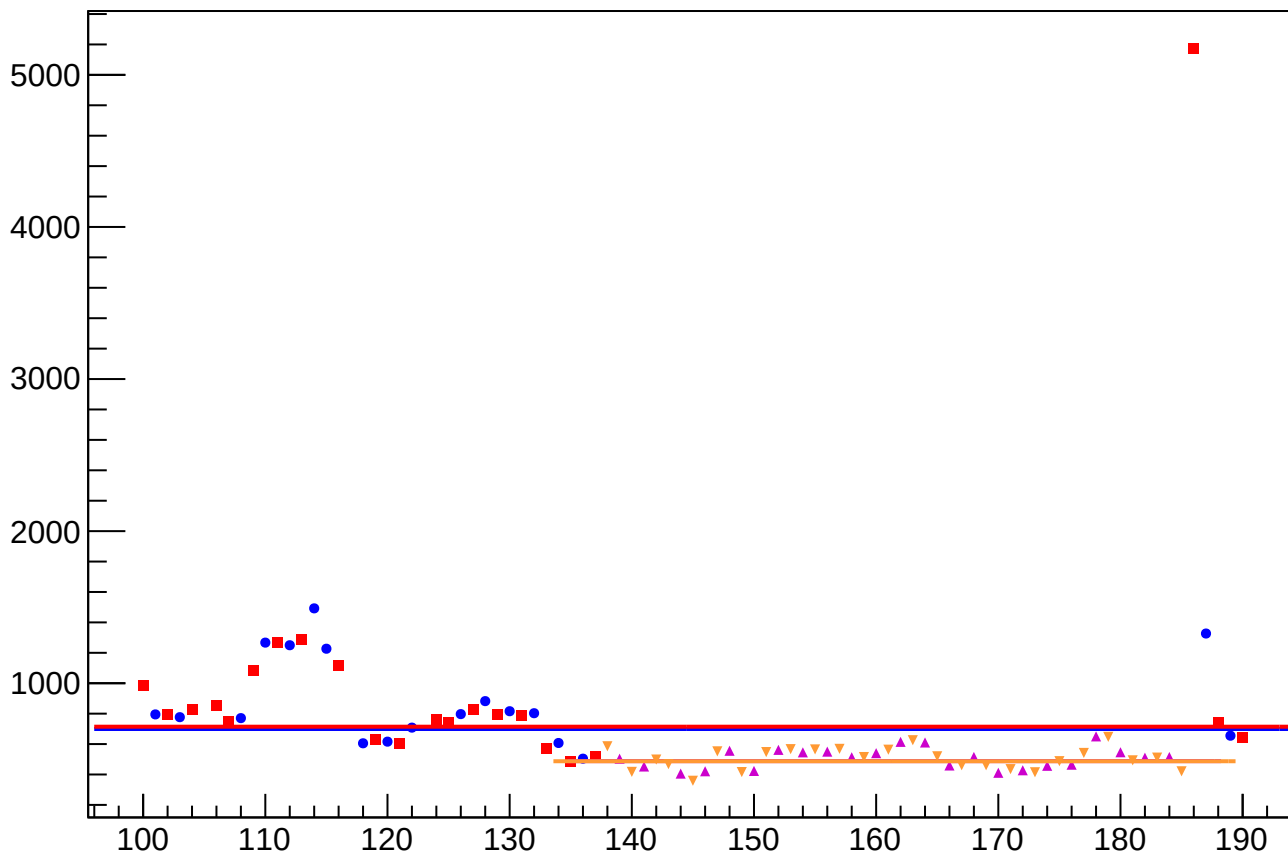
Left In: 66.674 ± 115.419 χ^2/NDF : 27.5/22

+ sign 324.926 ± 102.945 χ^2/NDF : 49.4/42

All: 217.180 ± 73.419 χ^2/NDF : 98.9/87

- sign 105.643 ± 104.739 χ^2/NDF : 47.2/44

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 699.113+/-0.182 χ^2/NDF : 999695.6/17

Left Out: 487.081+/-0.079 χ^2/NDF : 821261.6/24

Right Out: 714.188+/-0.176 χ^2/NDF : 1631352.5/21

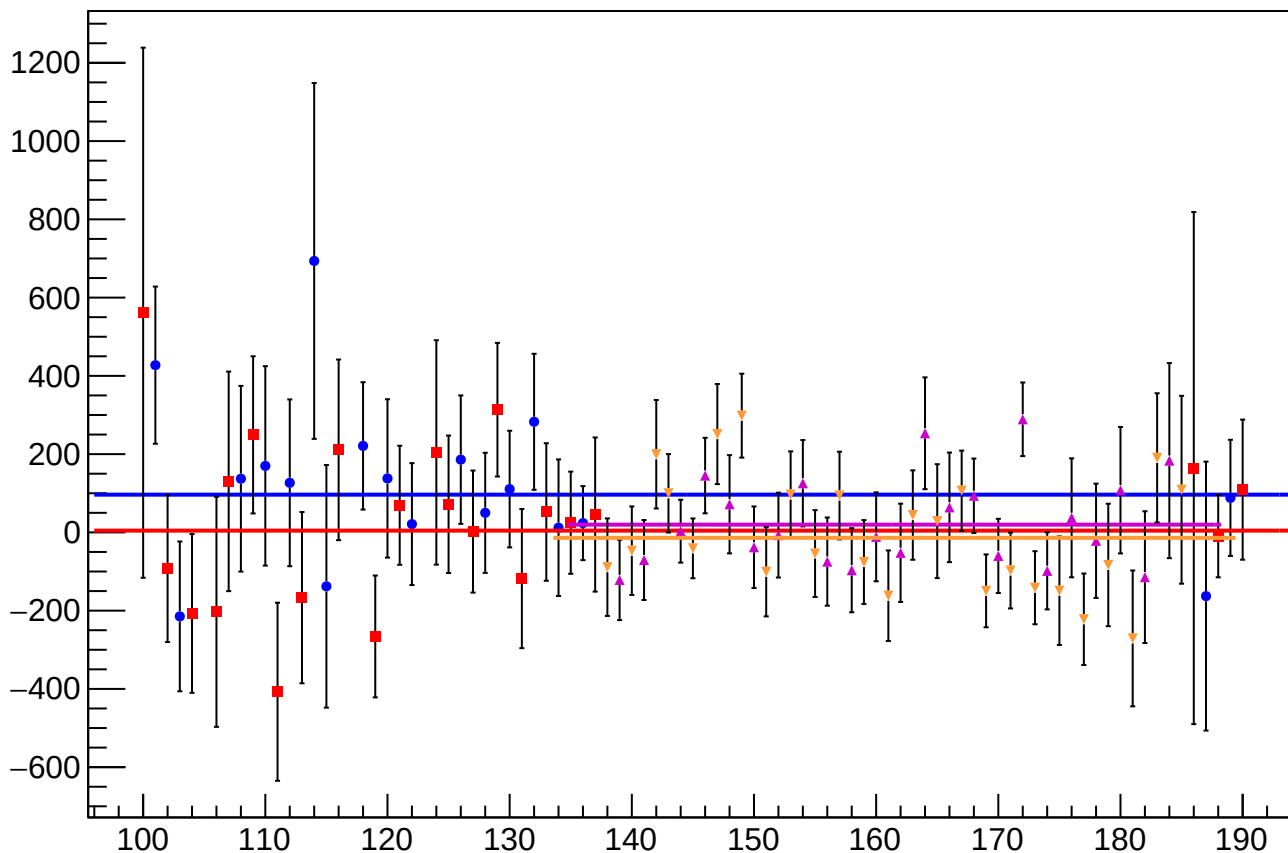
Left In: 487.930+/-0.082 χ^2/NDF : 634273.3/22

+ sign 521.051+/-0.073 χ^2/NDF : 2962493.5/42

All: 524.398+/-0.052 χ^2/NDF : 6588909.0/87

- sign 527.864+/-0.074 χ^2/NDF : 3622111.4/44

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 96.422 ± 41.447 χ^2/NDF : 11.6/17

Left Out: -13.904 ± 22.916 χ^2/NDF : 36.4/24

Right Out: 4.493 ± 39.547 χ^2/NDF : 17.0/21

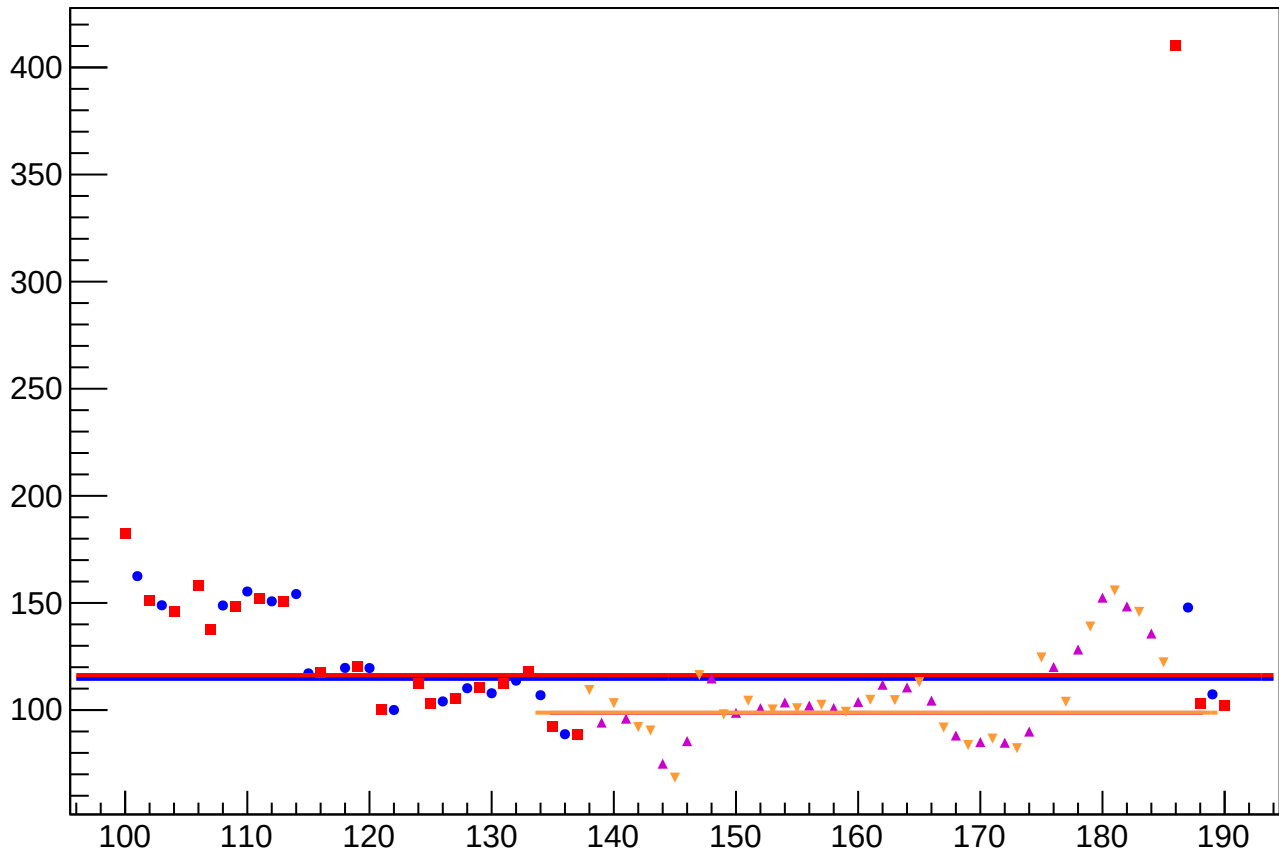
Left In: 19.805 ± 23.571 χ^2/NDF : 23.3/22

+ sign 11.926 ± 20.055 χ^2/NDF : 53.4/42

All: 13.840 ± 14.249 χ^2/NDF : 93.9/87

- sign 15.791 ± 20.248 χ^2/NDF : 40.5/44

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.566 $\pm$ 0.029 χ^2 /NDF: 555515.8/17

Left Out: 98.799 $\pm$ 0.016 χ^2 /NDF:1185806.0/24

Right Out: 116.348 $\pm$ 0.028 χ^2 /NDF: 935576.4/21

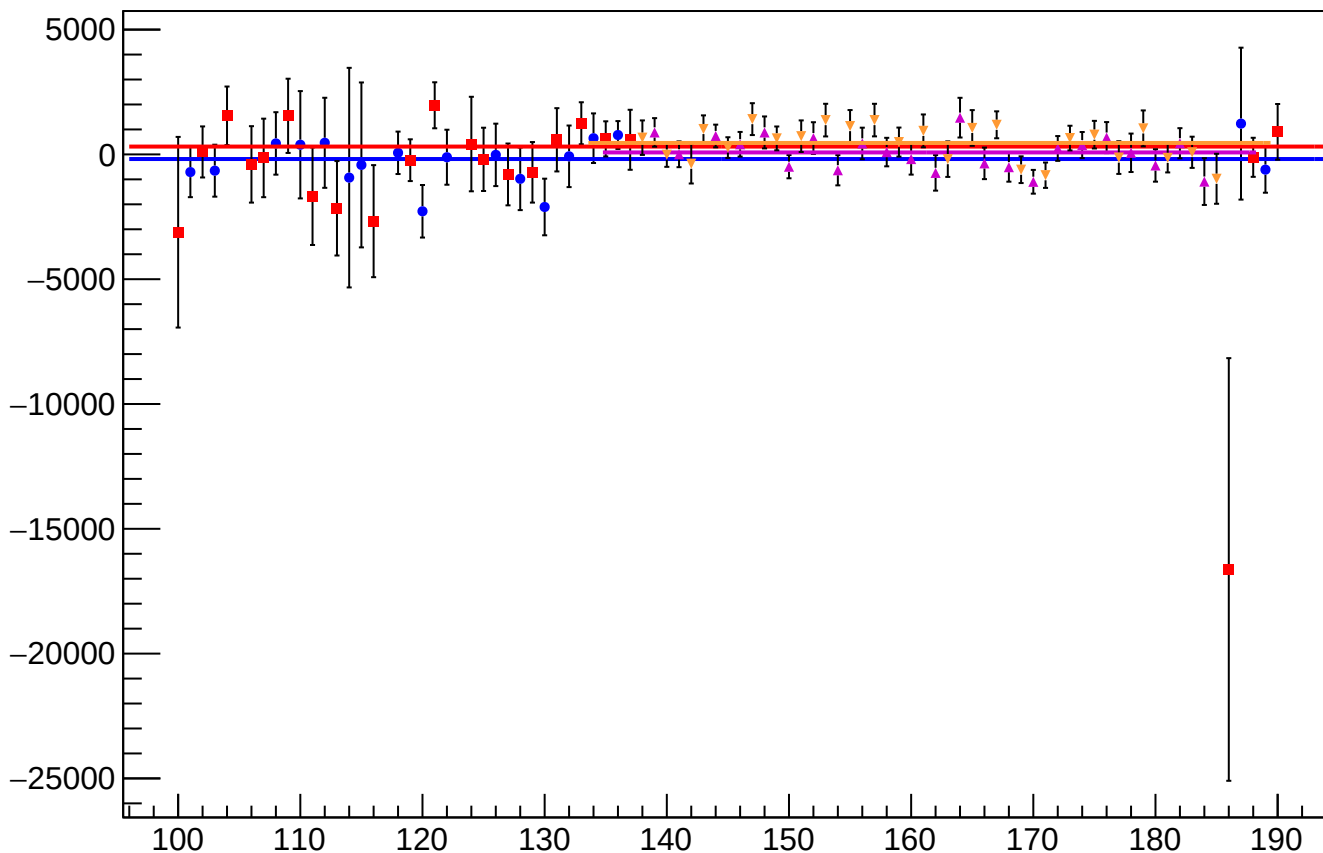
Left In: 98.673 $\pm$ 0.017 χ^2 /NDF:987817.0/22

+ sign 102.490 $\pm$ 0.014 χ^2 /NDF: 1963004.5/42

All: 102.894 $\pm$ 0.010 χ^2 /NDF: 4182836.8/87

- sign 103.306 $\pm$ 0.014 χ^2 /NDF: 2218193.6/44

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -185.094 ± 262.218 χ^2/NDF : 12.4/17

Left Out: 459.094 ± 118.111 χ^2/NDF : 30.8/24

Right Out: 313.677 ± 251.497 χ^2/NDF : 18.9/21

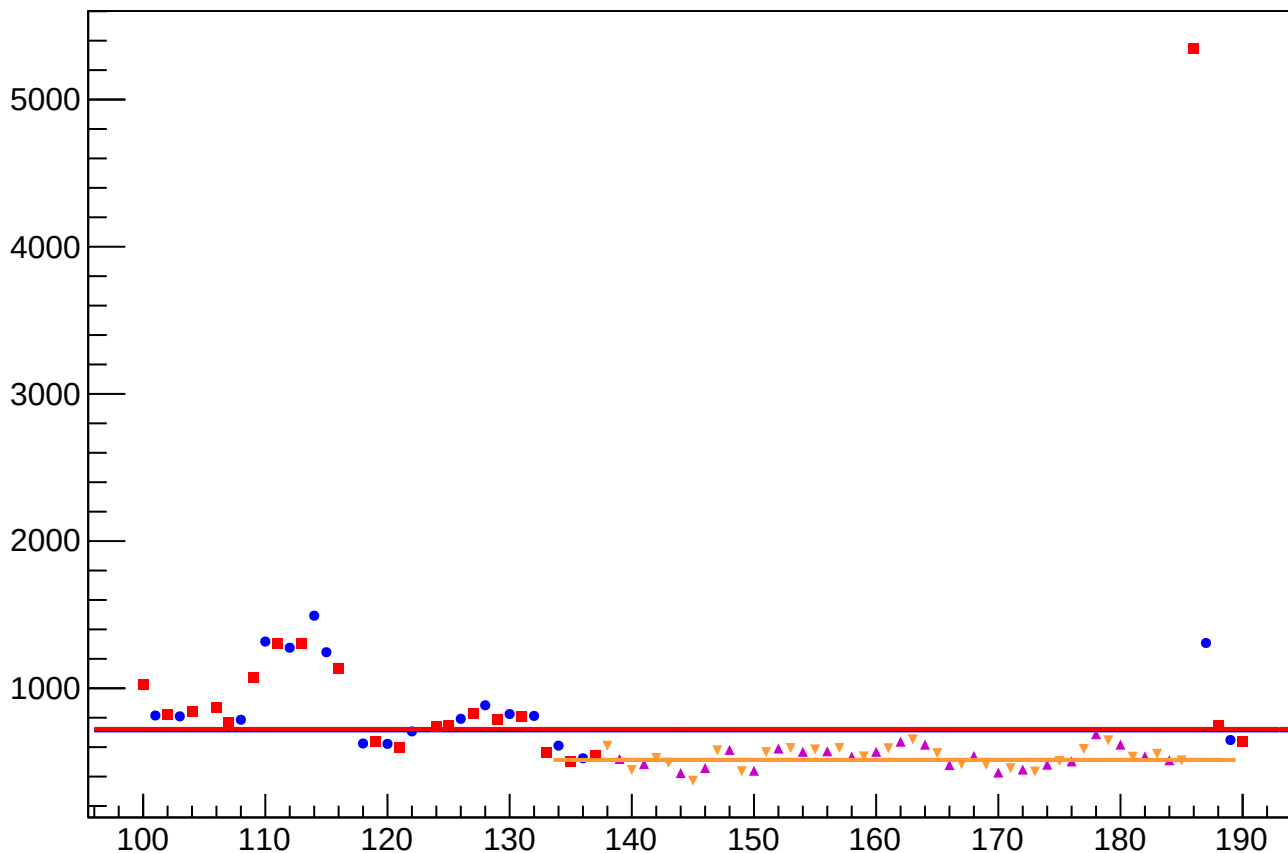
Left In: 78.791 ± 121.436 χ^2/NDF : 26.2/22

+ sign 350.440 ± 107.691 χ^2/NDF : 48.2/42

All: 238.563 ± 76.731 χ^2/NDF : 96.2/87

- sign 123.200 ± 109.356 χ^2/NDF : 45.8/44

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 713.746 $\pm$ 0.185 χ^2 /NDF: 962343.8/17

Left Out: 512.768 $\pm$ 0.084 χ^2 /NDF: 799239.4/24

Right Out: 723.773 $\pm$ 0.178 χ^2 /NDF: 1628677.5/21

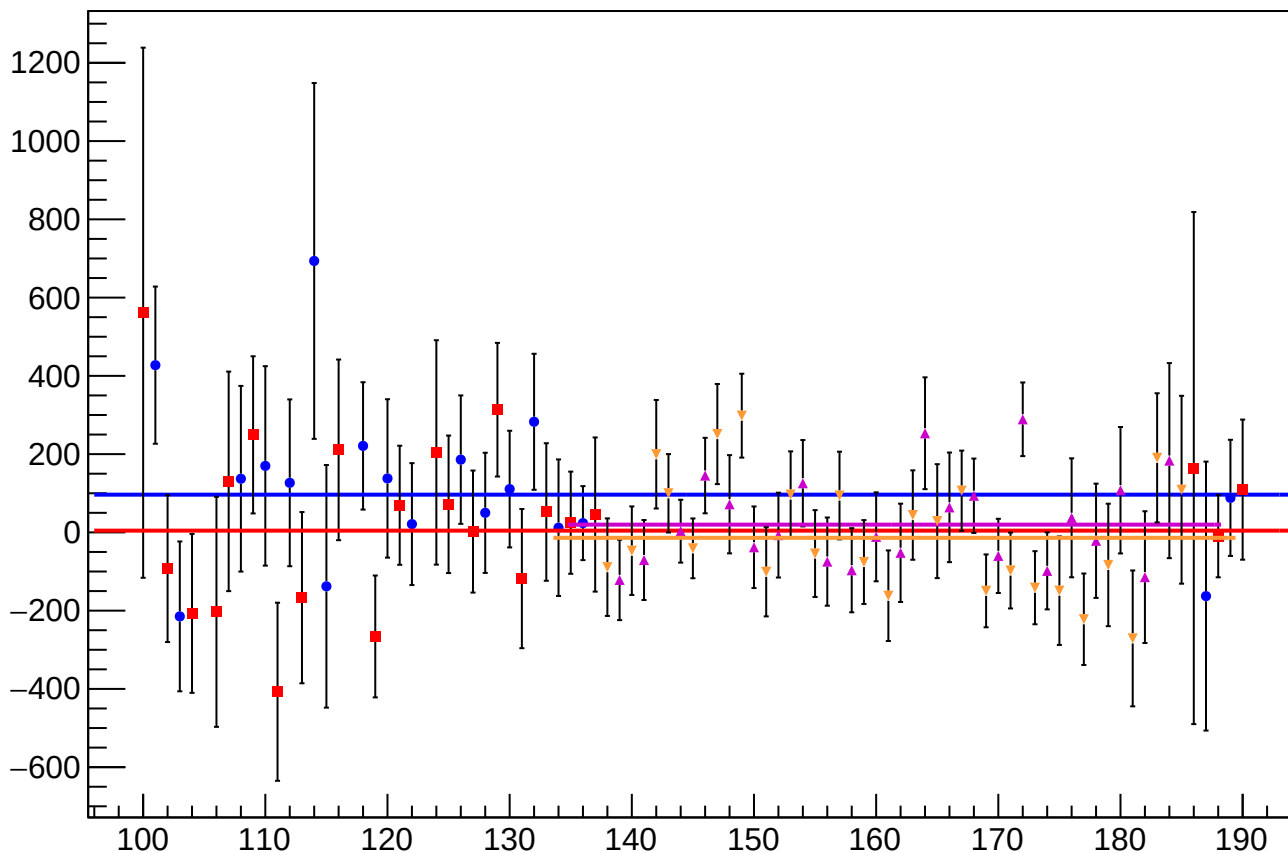
Left In: 513.375 $\pm$ 0.086 χ^2 /NDF: 634000.2/22

+ sign 546.667 $\pm$ 0.076 χ^2 /NDF: 2738313.8/42

All: 549.861 $\pm$ 0.054 χ^2 /NDF: 6139663.3/87

- sign 553.154 $\pm$ 0.077 χ^2 /NDF: 3397776.5/44

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 96.420 ± 41.447 χ^2/NDF : 11.6/17

Left Out: -13.906 ± 22.916 χ^2/NDF : 36.4/24

Right Out: 4.493 ± 39.547 χ^2/NDF : 17.0/21

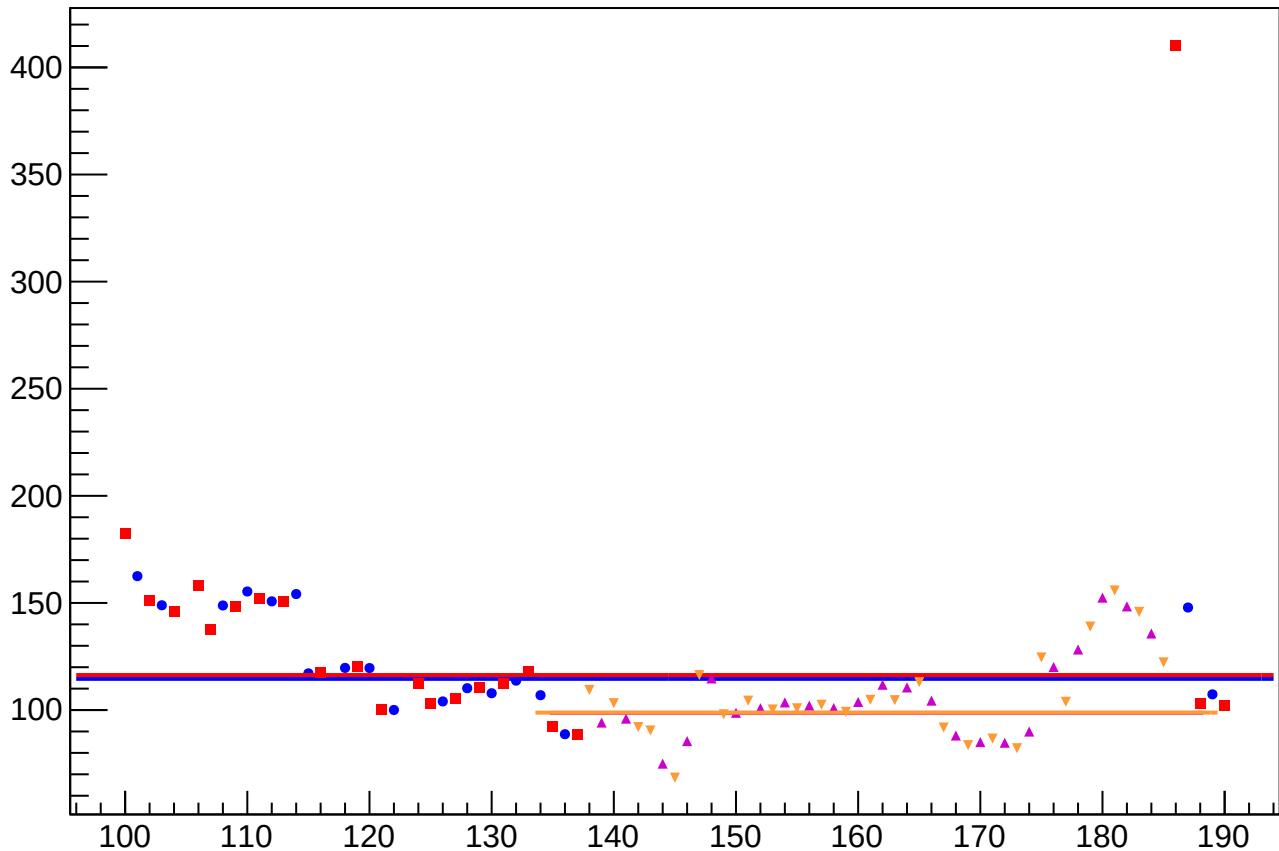
Left In: 19.805 ± 23.571 χ^2/NDF : 23.3/22

+ sign 11.924 ± 20.055 χ^2/NDF : 53.4/42

All: 13.840 ± 14.249 χ^2/NDF : 93.9/87

- sign 15.792 ± 20.247 χ^2/NDF : 40.5/44

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 114.567 $\pm$ 0.029 χ^2 /NDF: 555500.7/17

Left Out: 98.799 $\pm$ 0.016 χ^2 /NDF:1185809.9/24

Right Out: 116.348 $\pm$ 0.028 χ^2 /NDF: 935564.6/21

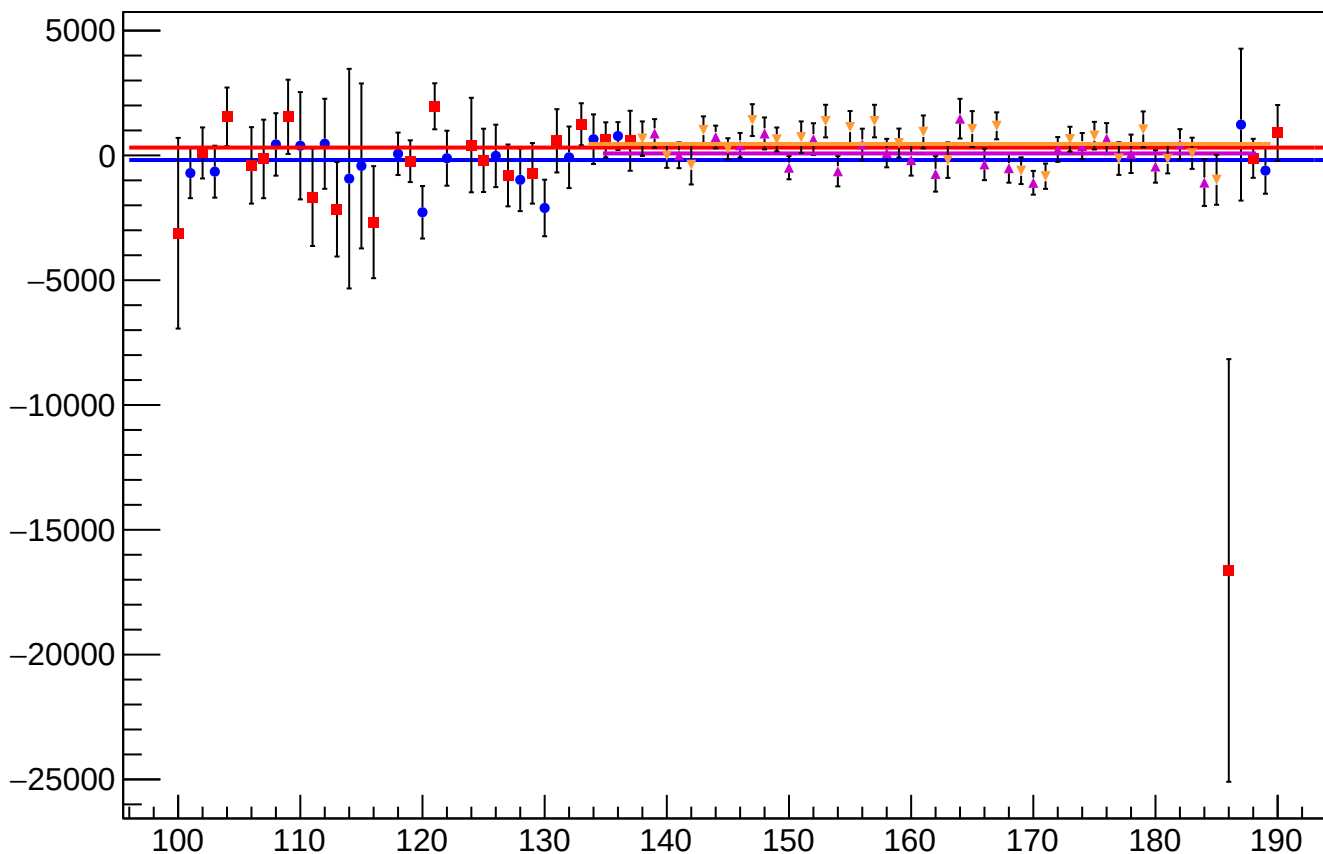
Left In: 98.673 $\pm$ 0.017 χ^2 /NDF:987808.4/22

+ sign 102.490 $\pm$ 0.014 χ^2 /NDF: 1963000.0/42

All: 102.894 $\pm$ 0.010 χ^2 /NDF: 4182812.3/87

- sign 103.306 $\pm$ 0.014 χ^2 /NDF: 2218173.7/44

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug



Right In: -185.096 ± 262.218 χ^2/NDF : 12.4/17

Left Out: 459.092 ± 118.111 χ^2/NDF : 30.8/24

Right Out: 313.677 ± 251.497 χ^2/NDF : 18.9/21

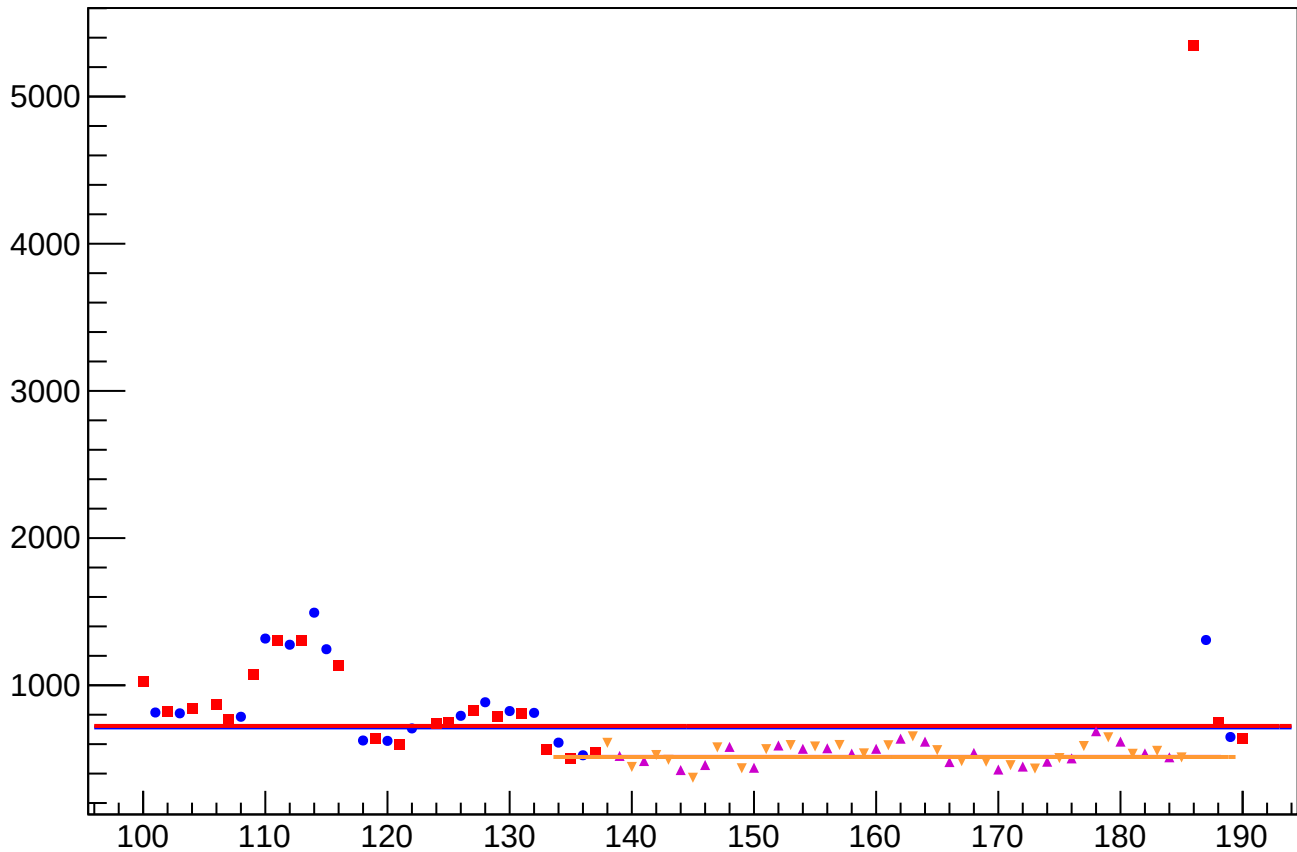
Left In: 78.791 ± 121.436 χ^2/NDF : 26.2/22

+ sign 350.438 ± 107.691 χ^2/NDF : 48.2/42

All: 238.562 ± 76.731 χ^2/NDF : 96.2/87

- sign 123.200 ± 109.356 χ^2/NDF : 45.8/44

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 713.746 $\pm$ 0.185 χ^2 /NDF: 962338.9/17

Left Out: 512.768 $\pm$ 0.084 χ^2 /NDF: 799239.0/24

Right Out: 723.772 $\pm$ 0.178 χ^2 /NDF: 1628670.5/21

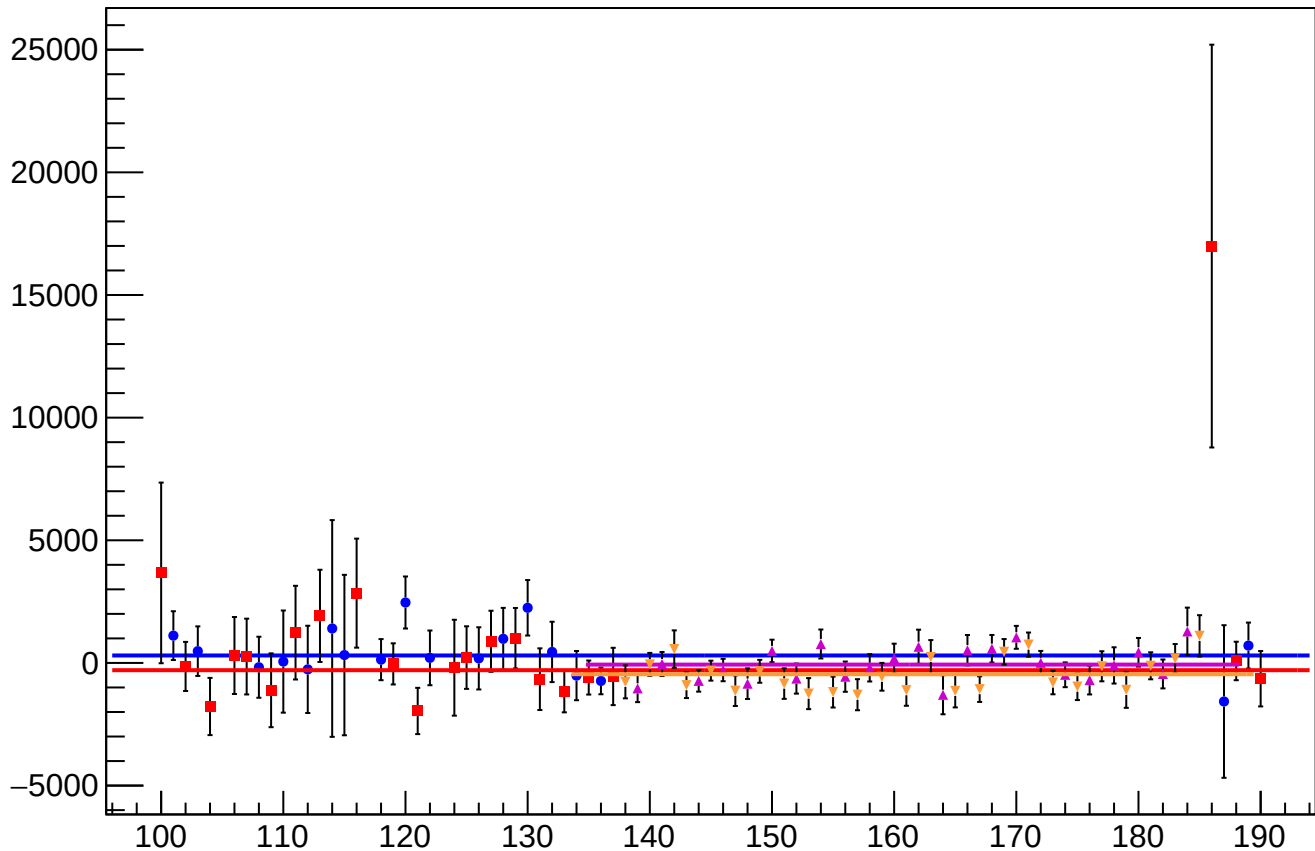
Left In: 513.374 $\pm$ 0.086 χ^2 /NDF: 633997.9/22

+ sign 546.667 $\pm$ 0.076 χ^2 /NDF: 2738308.6/42

All: 549.860 $\pm$ 0.054 χ^2 /NDF: 6139644.1/87

- sign 553.154 $\pm$ 0.077 χ^2 /NDF: 3397762.4/44

asym_sam_26_48_dd_mean vs Slug



Right In: 304.336 $\pm$ 260.268 χ^2 /NDF: 13.3/17

Left Out: -459.862 $\pm$ 114.233 χ^2 /NDF:30.8/24

Right Out: -295.580 $\pm$ 251.722 χ^2 /NDF: 18.9/21

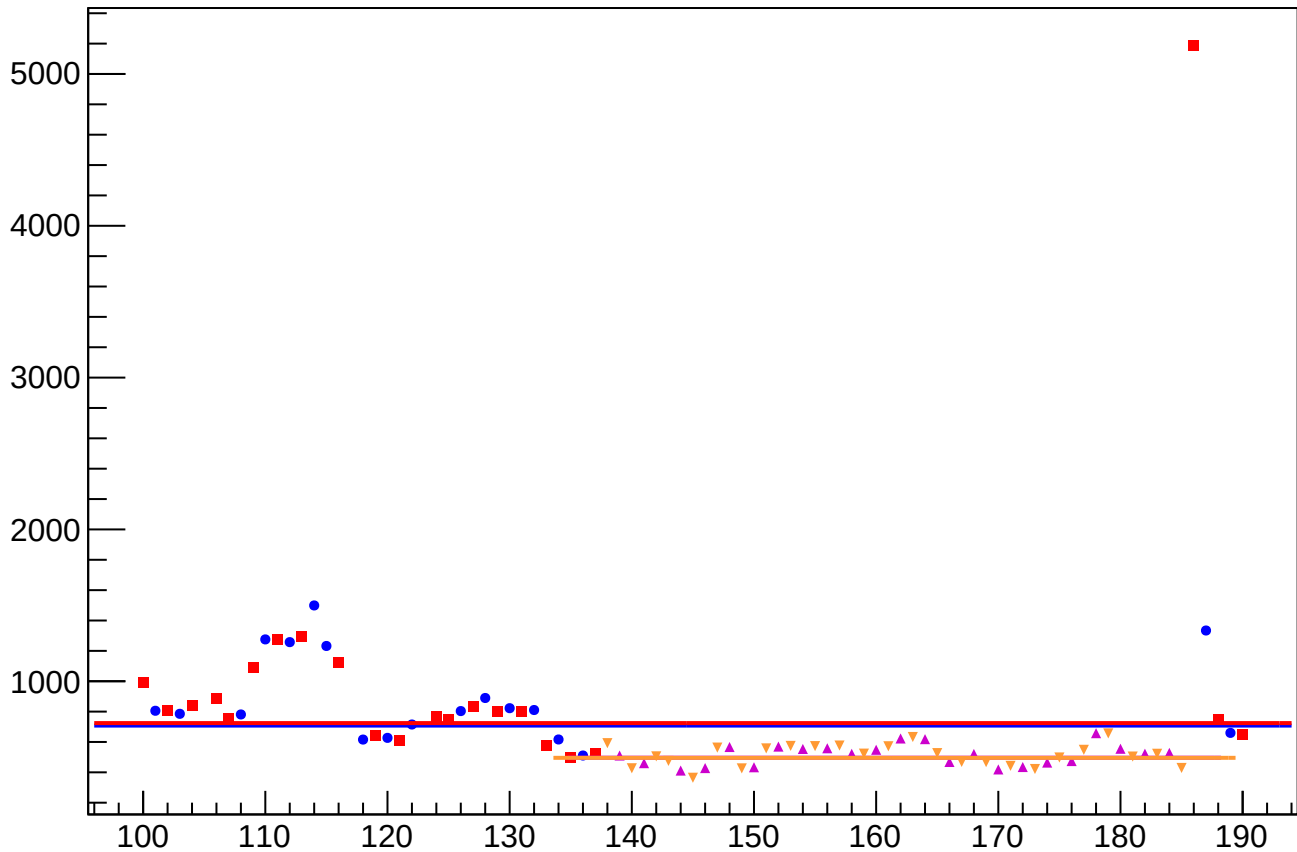
Left In: -68.043 $\pm$ 117.366 χ^2 /NDF:28.6/22

+ sign -336.428 $\pm$ 104.601 χ^2 /NDF: 51.4/42

All: -224.463 $\pm$ 74.582 χ^2 /NDF: 101.9/87

- sign -108.675 $\pm$ 106.372 χ^2 /NDF: 48.1/44

asym_sam_26_48_dd_rms vs Slug



Right In: 707.952 $\pm$ 0.184 χ^2 /NDF: 983025.0/17

Left Out: 495.514 $\pm$ 0.081 χ^2 /NDF:804659.4/24

Right Out: 724.349 $\pm$ 0.178 χ^2 /NDF: 1617783.8/21

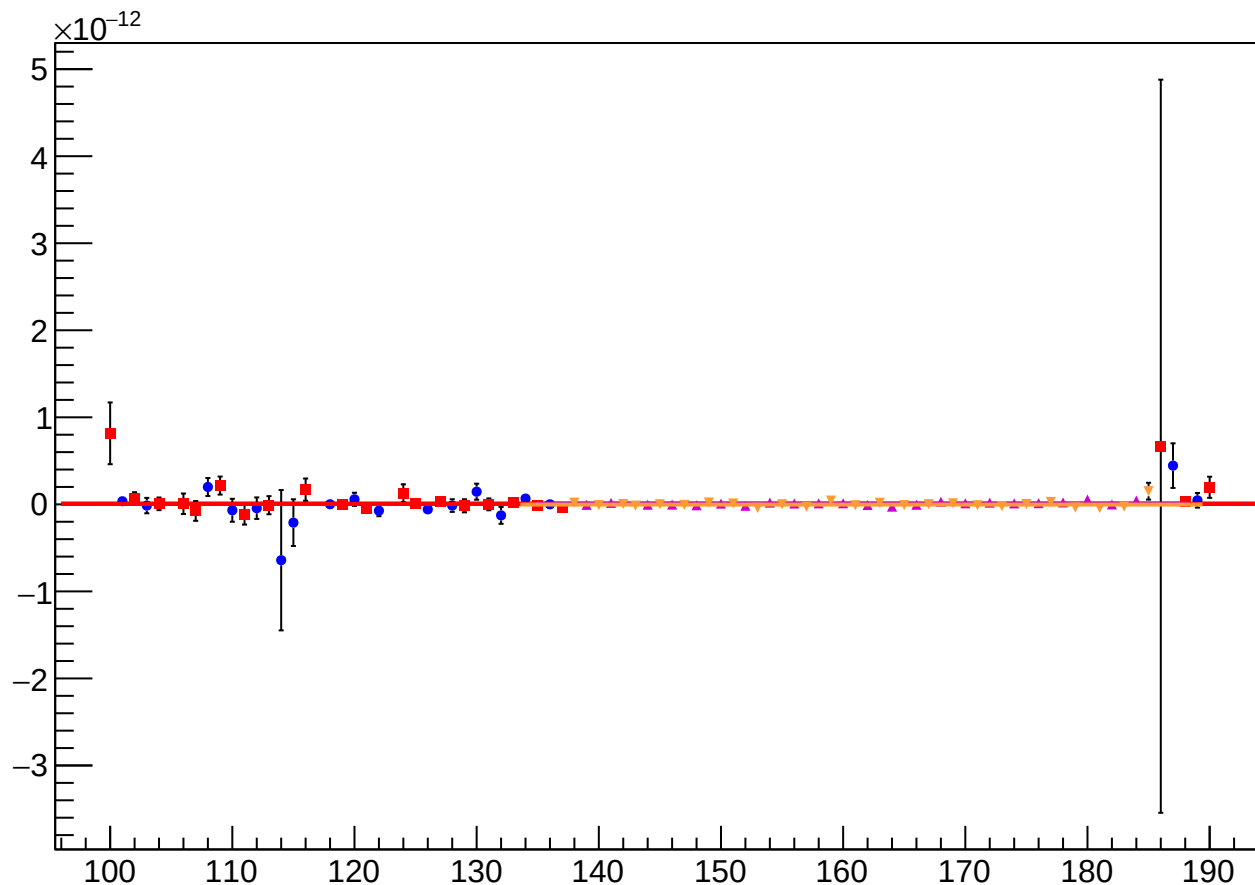
Left In: 496.307 $\pm$ 0.083 χ^2 /NDF:622356.2/22

+ sign 529.827 $\pm$ 0.074 χ^2 /NDF: 2904919.8/42

All: 533.368 $\pm$ 0.053 χ^2 /NDF: 6498025.4/87

- sign 537.029 $\pm$ 0.075 χ^2 /NDF: 3588444.7/44

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 20.5/17

Left Out: -0.000+/-0.000 χ^2 /NDF: 25.1/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 20.8/21

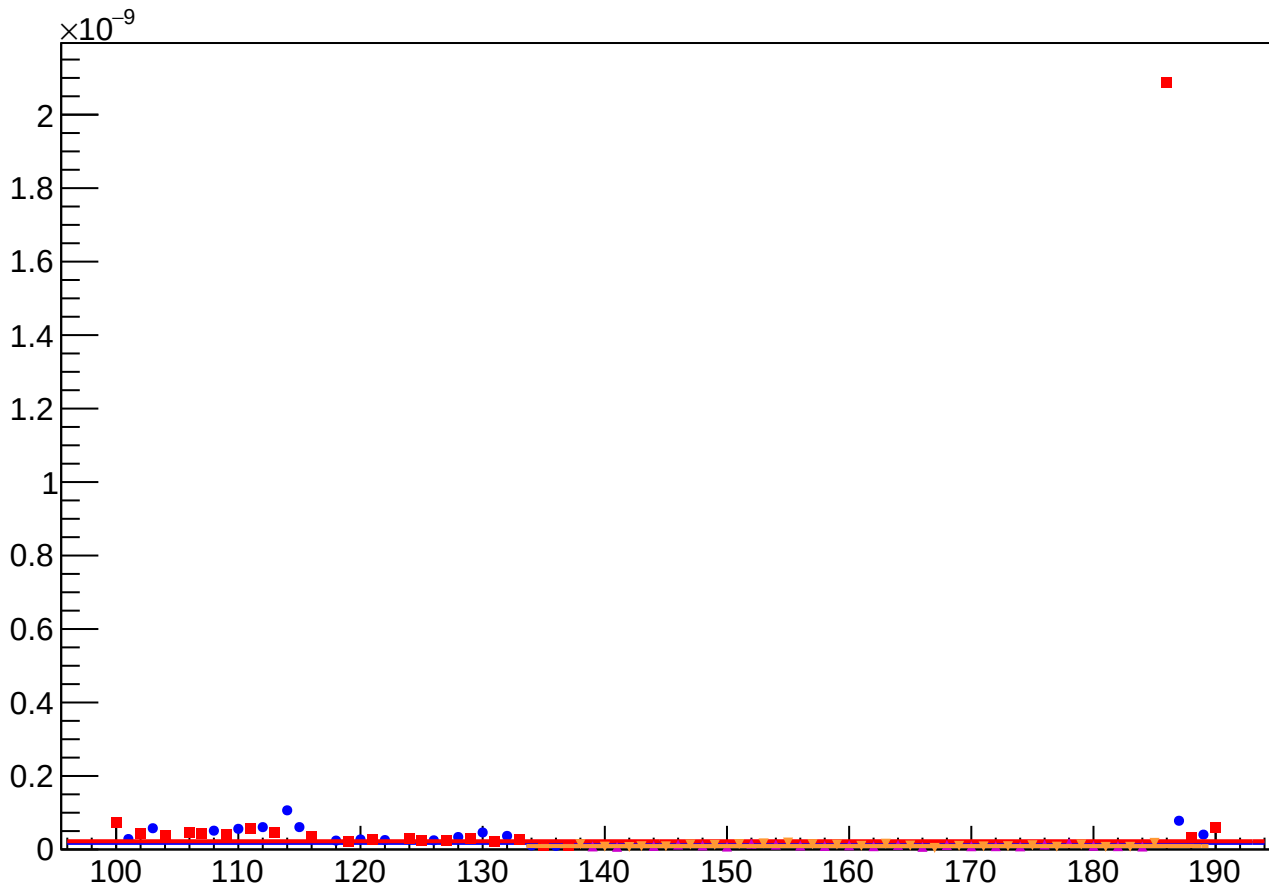
Left In: 0.000+/-0.000 χ^2 /NDF: 15.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 46.4/42

All: 0.000+/-0.000 χ^2 /NDF: 86.1/87

- sign 0.000+/-0.000 χ^2 /NDF: 36.4/44

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2626042.8/17

Left Out: 0.000+/-0.000 χ^2/NDF :1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2426274.6/21

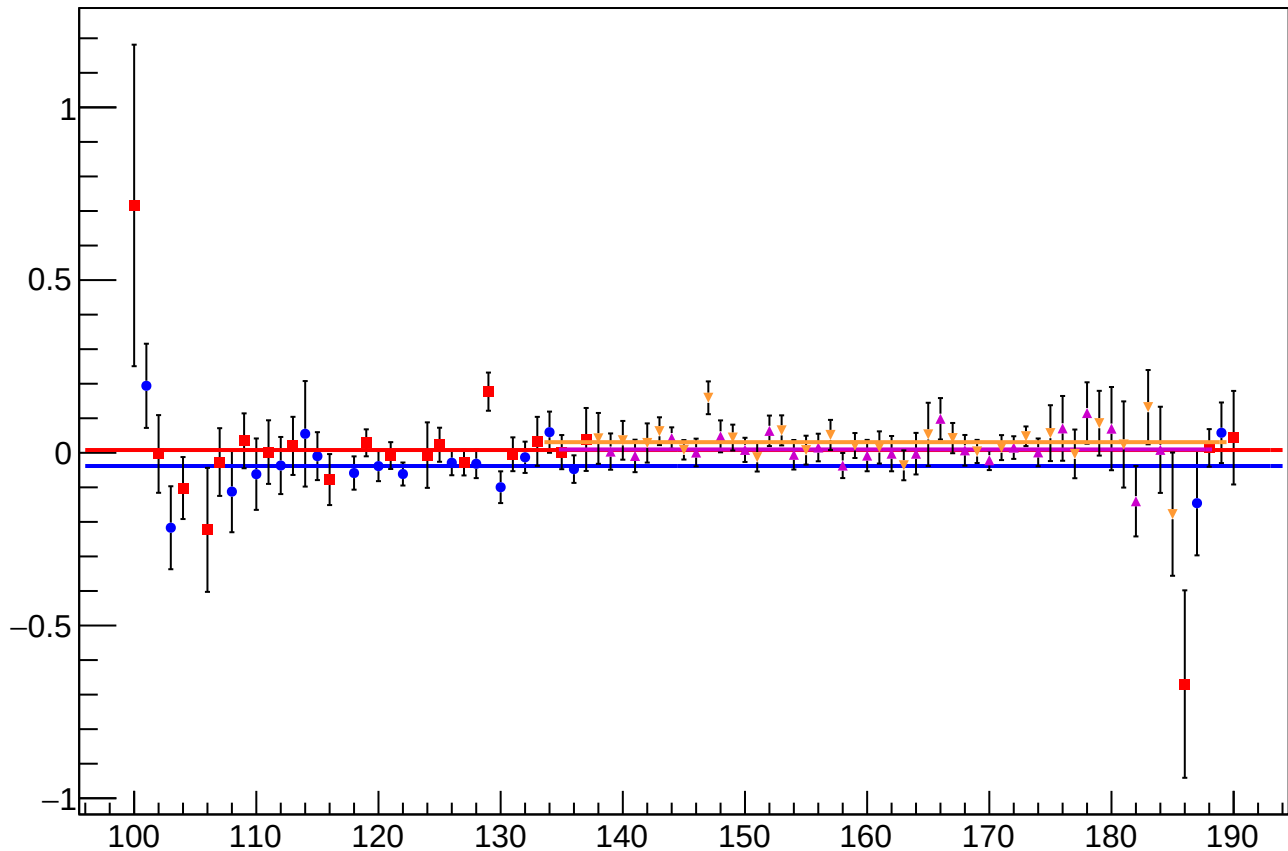
Left In: 0.000+/-0.000 χ^2/NDF :622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 5509343.3/42

All: 0.000+/-0.000 χ^2/NDF : 10354714.2/87

- sign 0.000+/-0.000 χ^2/NDF : 4797039.4/44

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.038 ± 0.013 χ^2/NDF : 14.1/17

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.008 ± 0.014 χ^2/NDF : 24.6/21

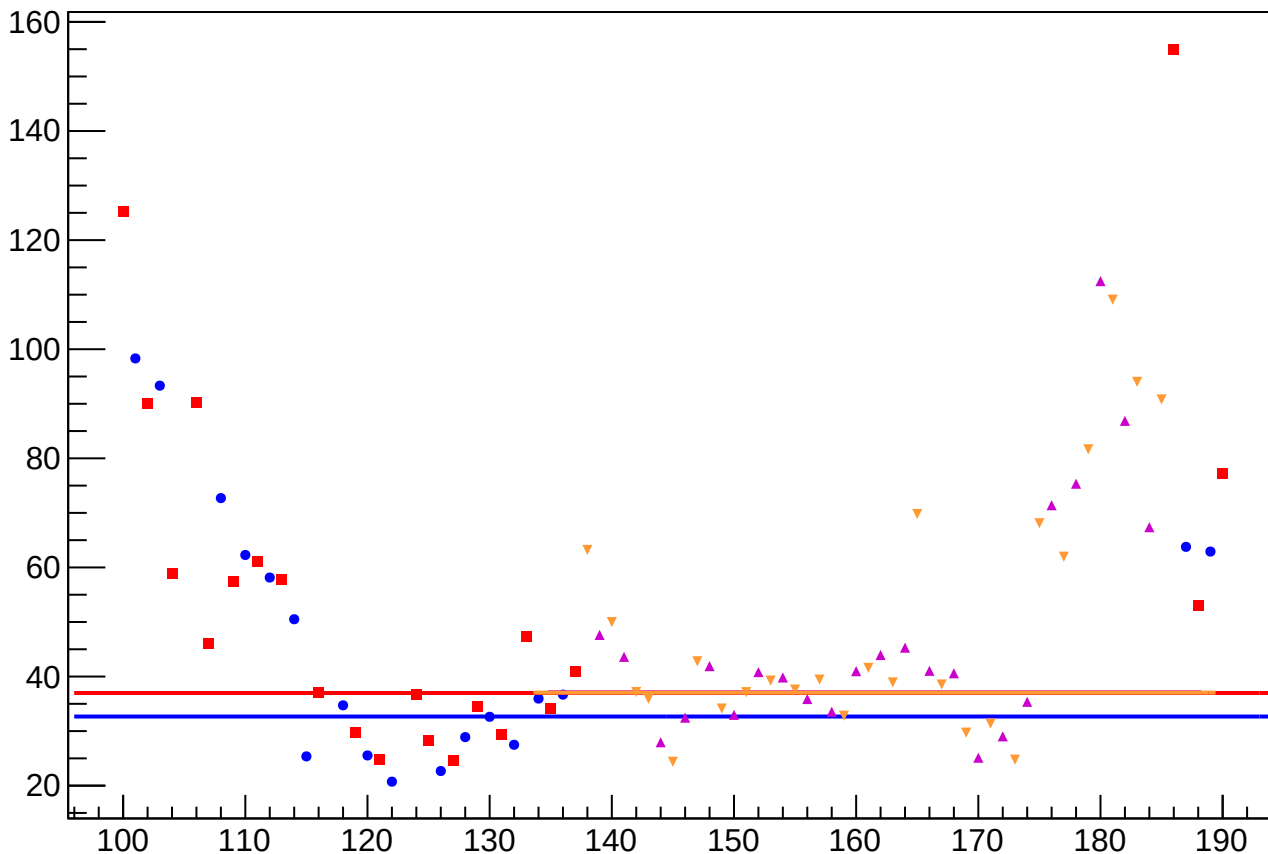
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.008 ± 0.007 χ^2/NDF : 50.9/42

All: 0.009 ± 0.005 χ^2/NDF : 88.8/87

- sign 0.009 ± 0.008 χ^2/NDF : 37.9/44

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.672 $\pm$ 0.009 χ^2 /NDF: 2584433.8/17

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053719.8/24

Right Out: 36.985 $\pm$ 0.010 χ^2 /NDF: 2605046.9/21

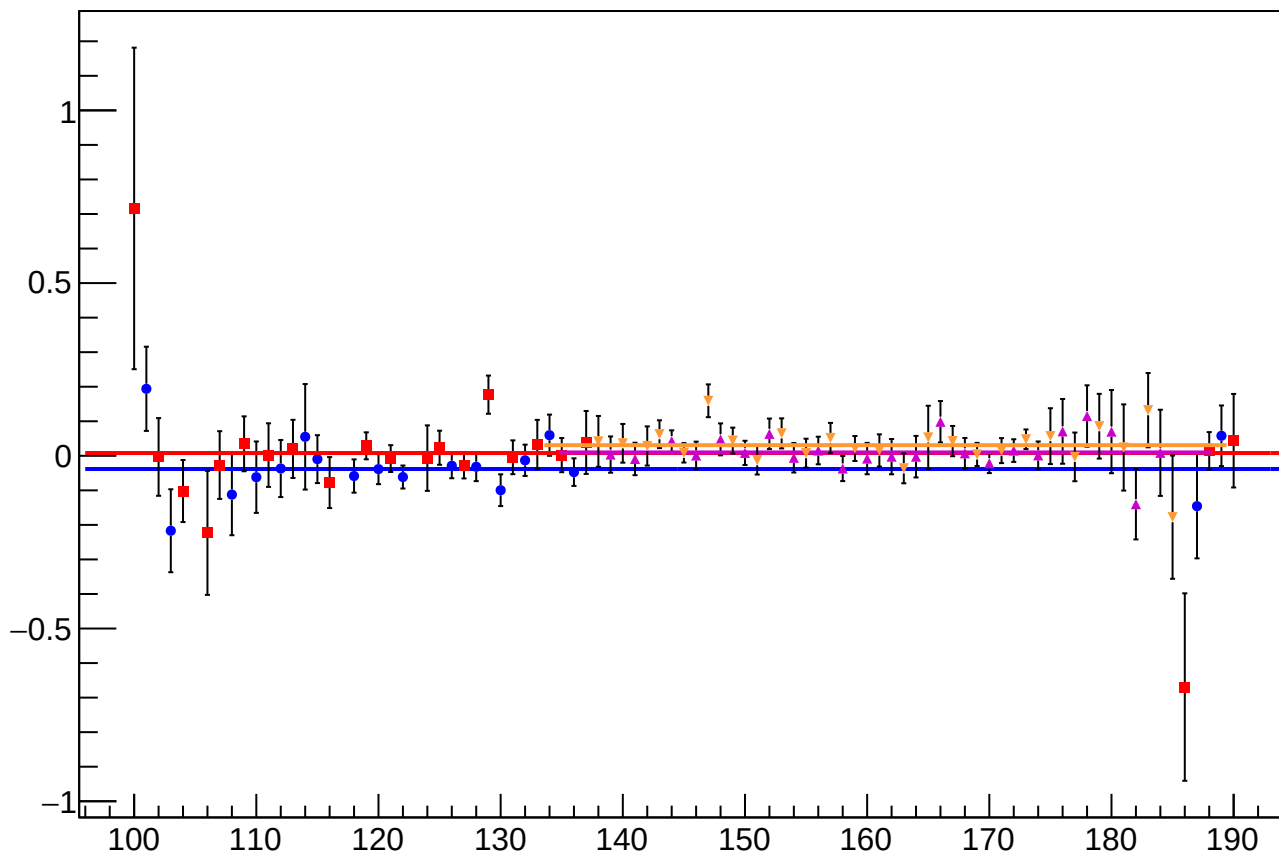
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012795.5/22

+ sign 35.605 $\pm$ 0.005 χ^2 /NDF: 6791103.2/42

All: 36.318 $\pm$ 0.004 χ^2 /NDF: 12446871.4/87

- sign 37.081 $\pm$ 0.005 χ^2 /NDF: 5617990.2/44

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.038 ± 0.013 $\chi^2/\text{NDF}: 14.1/17$

Left Out: 0.031 ± 0.009 $\chi^2/\text{NDF}: 17.8/24$

Right Out: 0.008 ± 0.014 $\chi^2/\text{NDF}: 24.6/21$

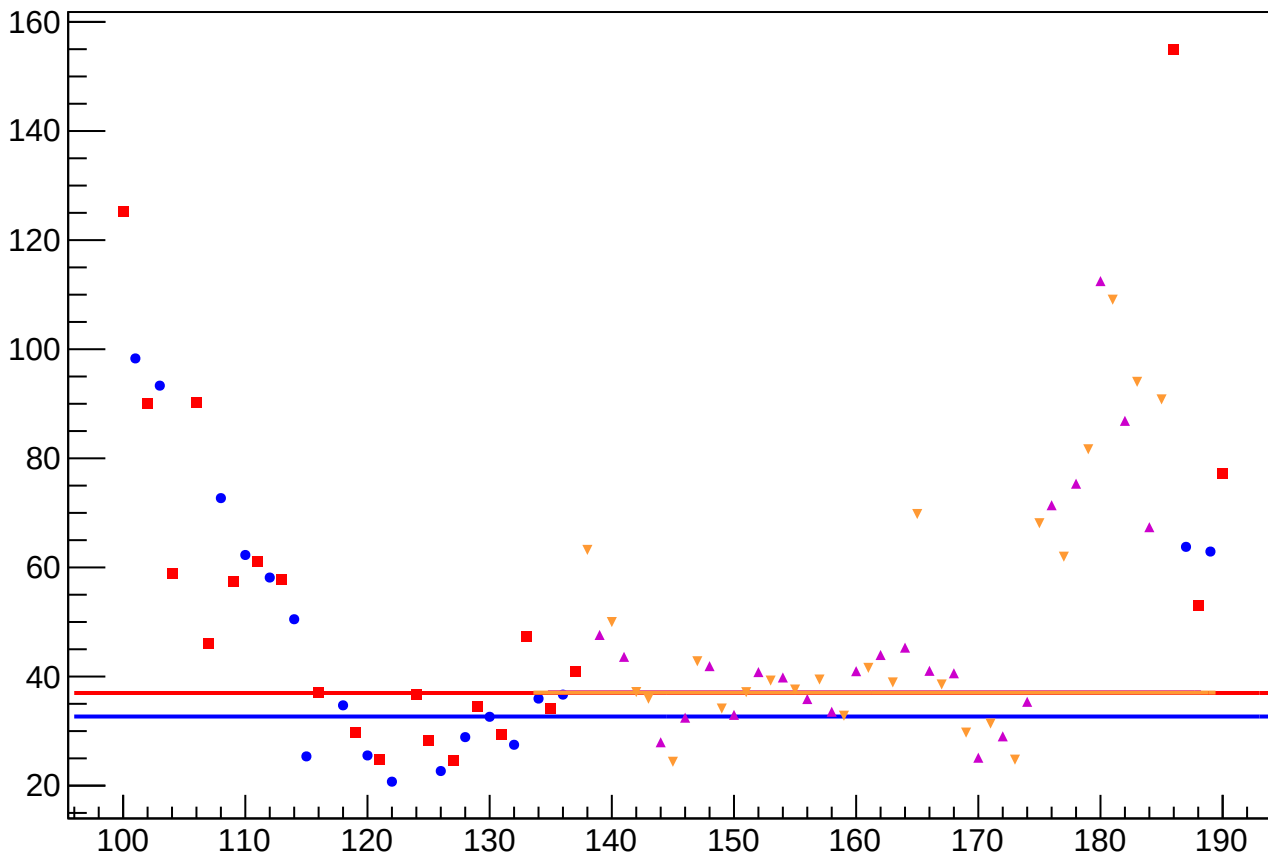
Left In: 0.010 ± 0.009 $\chi^2/\text{NDF}: 13.2/22$

+ sign 0.008 ± 0.007 $\chi^2/\text{NDF}: 50.9/42$

All: 0.009 ± 0.005 $\chi^2/\text{NDF}: 88.8/87$

- sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 37.9/44$

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.672 $\pm$ 0.009 χ^2 /NDF: 2584433.8/17

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053719.8/24

Right Out: 36.985 $\pm$ 0.010 χ^2 /NDF: 2605046.9/21

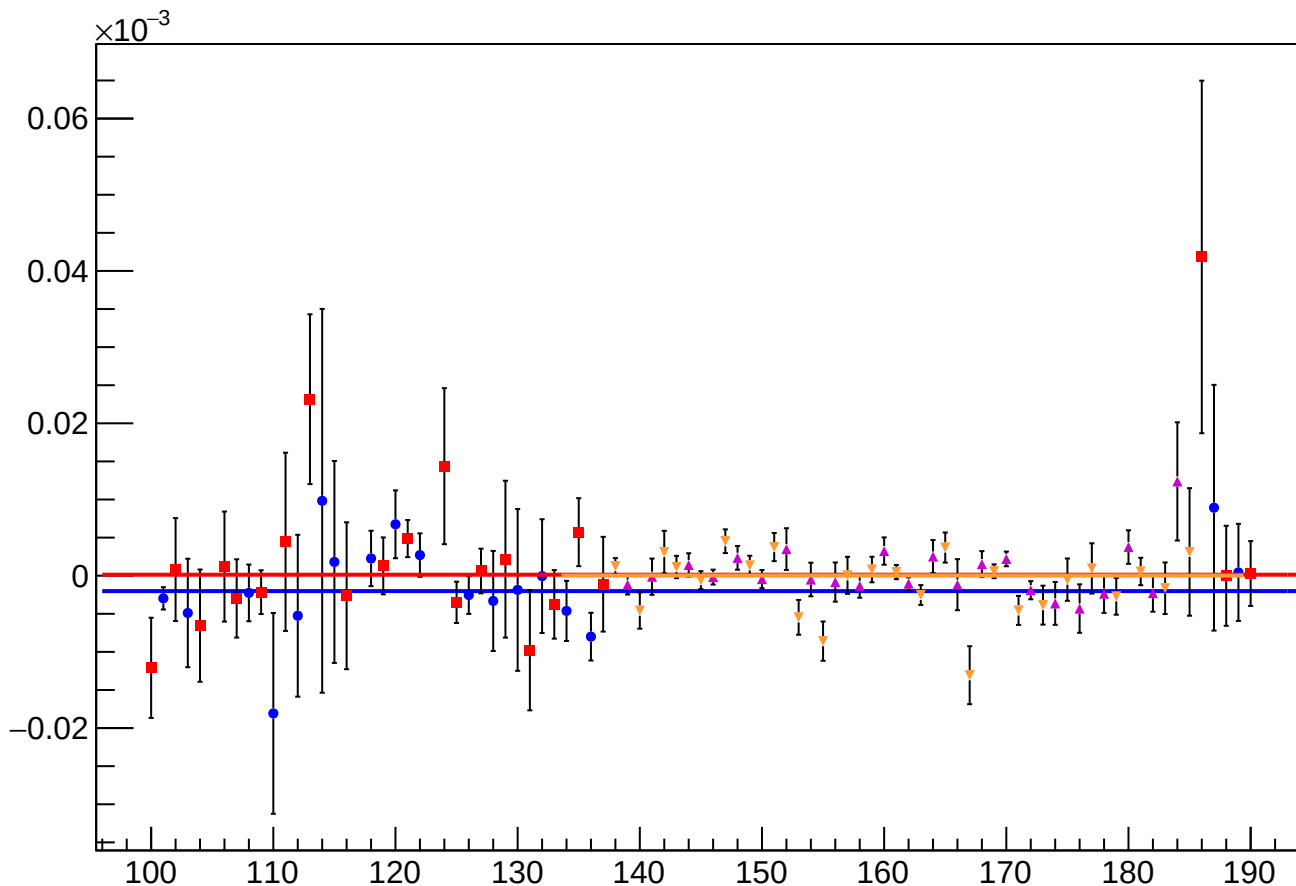
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012795.5/22

+ sign 35.605 $\pm$ 0.005 χ^2 /NDF: 6791103.2/42

All: 36.318 $\pm$ 0.004 χ^2 /NDF: 12446871.4/87

- sign 37.081 $\pm$ 0.005 χ^2 /NDF: 5617990.2/44

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.3/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 67.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.7/21

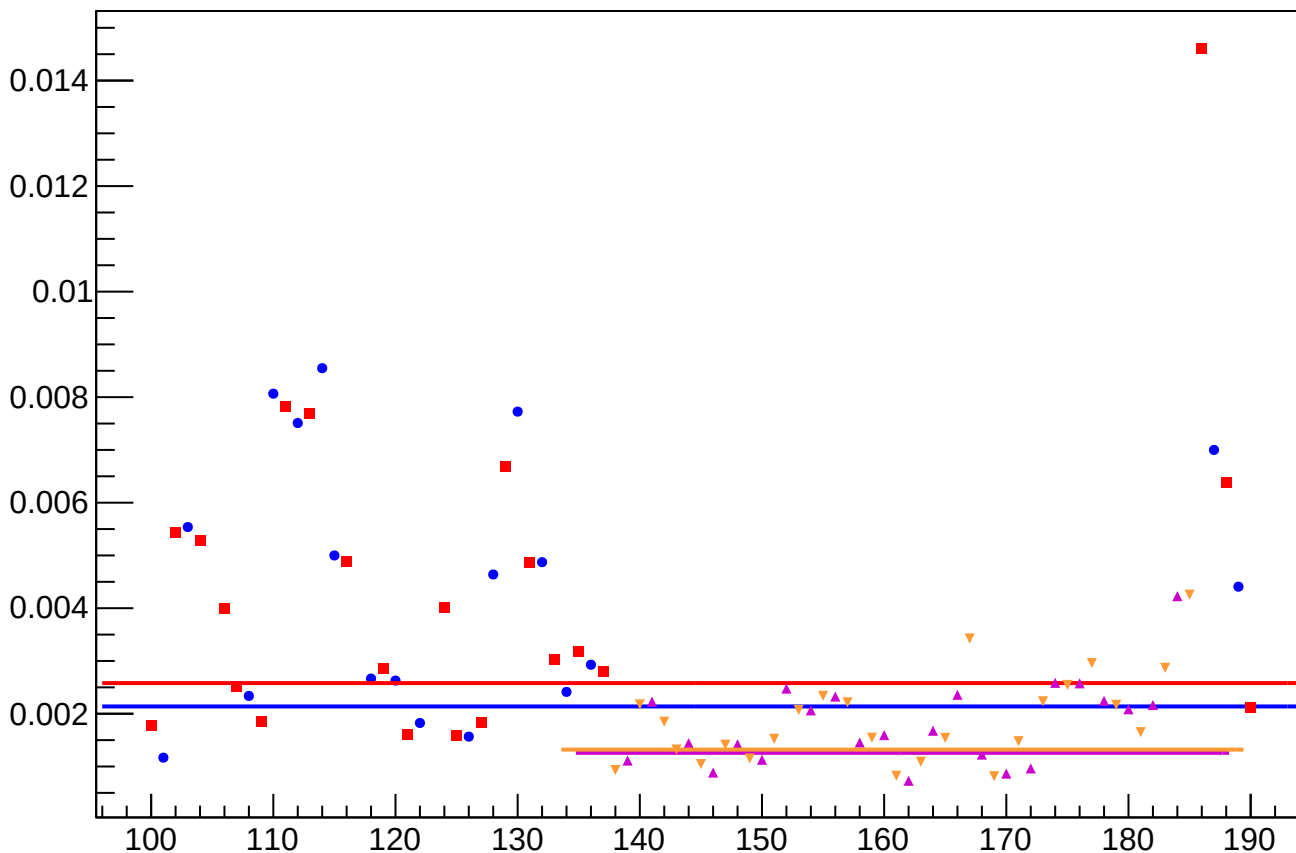
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 32.2/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 87.5/42

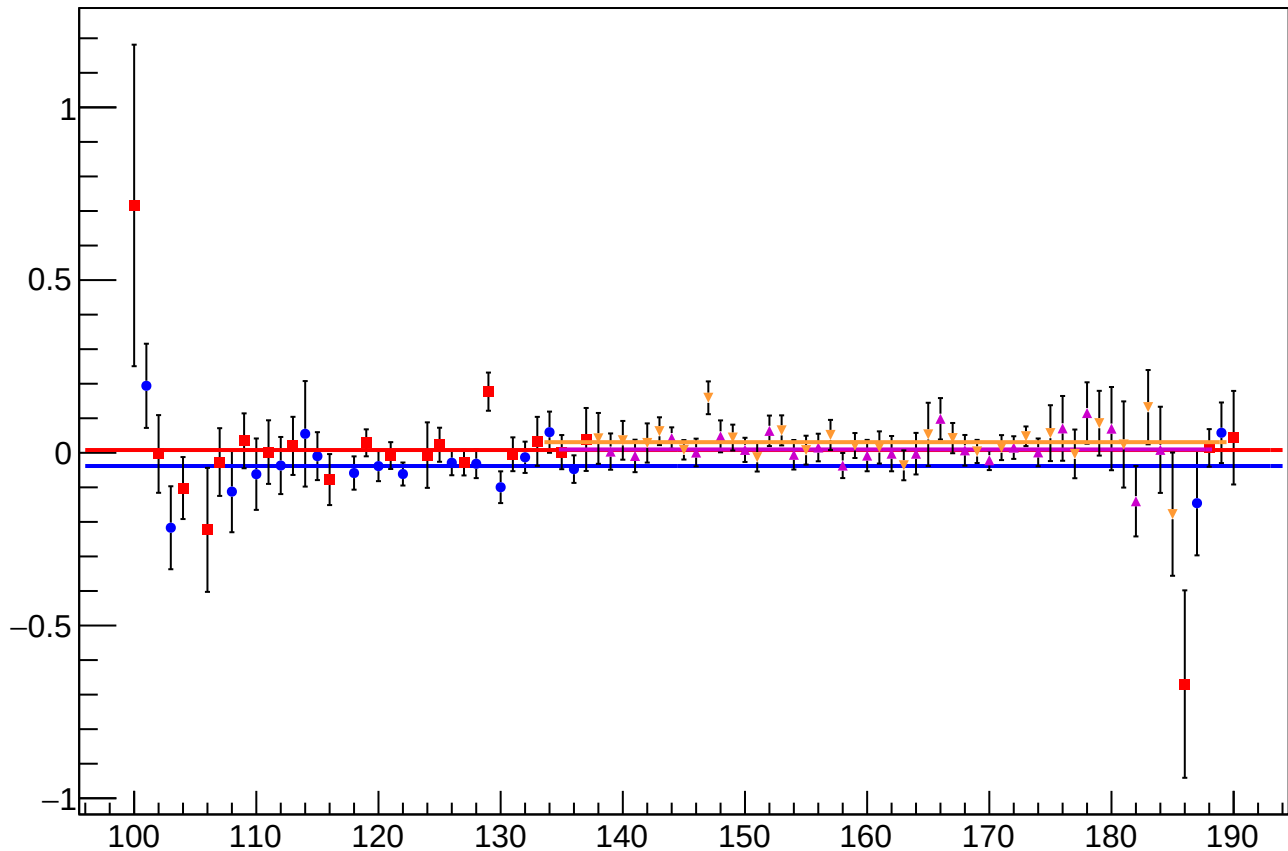
All: -0.000 $\pm$ 0.000 χ^2 /NDF: 144.9/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 56.9/44

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.038 ± 0.013 χ^2/NDF : 14.1/17

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.008 ± 0.014 χ^2/NDF : 24.6/21

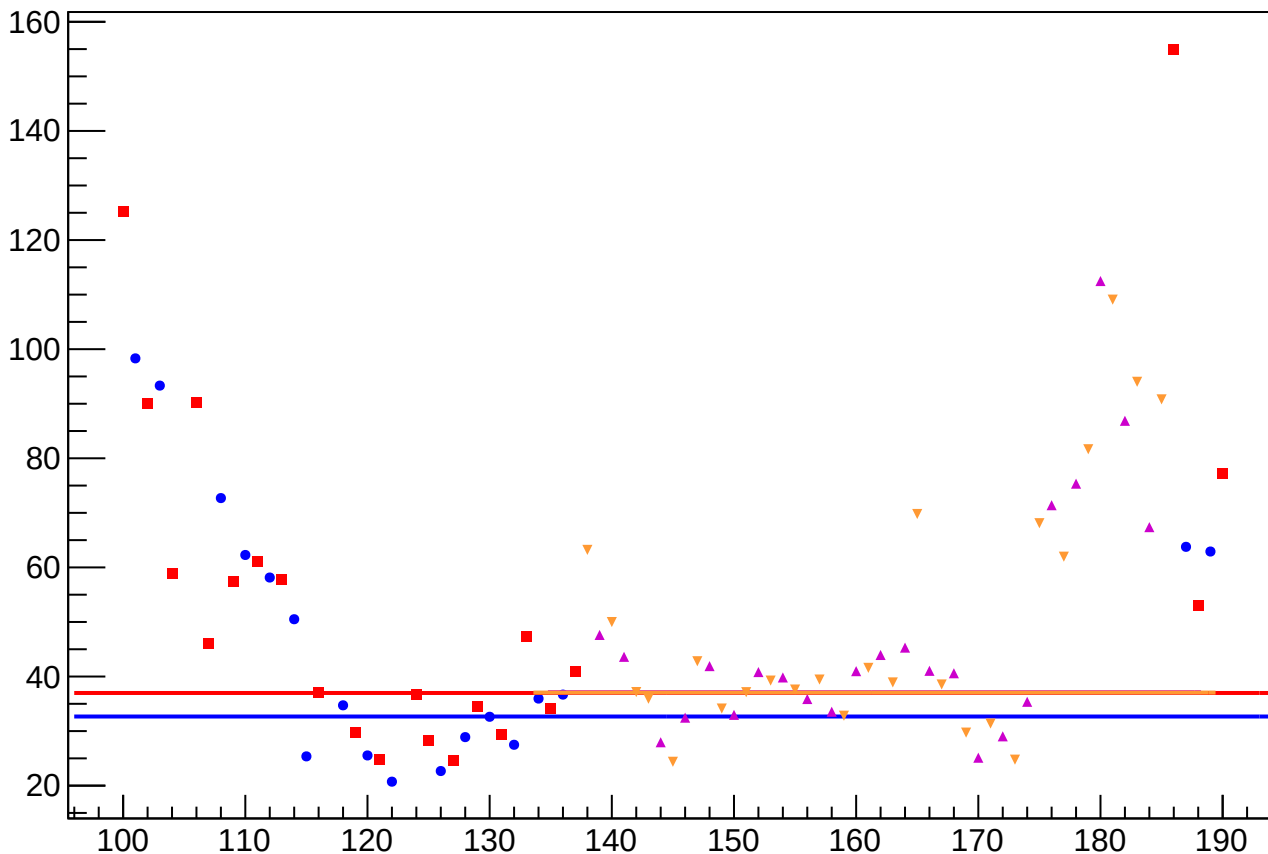
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.008 ± 0.007 χ^2/NDF : 50.9/42

All: 0.009 ± 0.005 χ^2/NDF : 88.8/87

- sign 0.009 ± 0.008 χ^2/NDF : 37.9/44

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 32.672 $\pm$ 0.009 χ^2 /NDF: 2584397.8/17

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053728.9/24

Right Out: 36.985 $\pm$ 0.010 χ^2 /NDF: 2604885.3/21

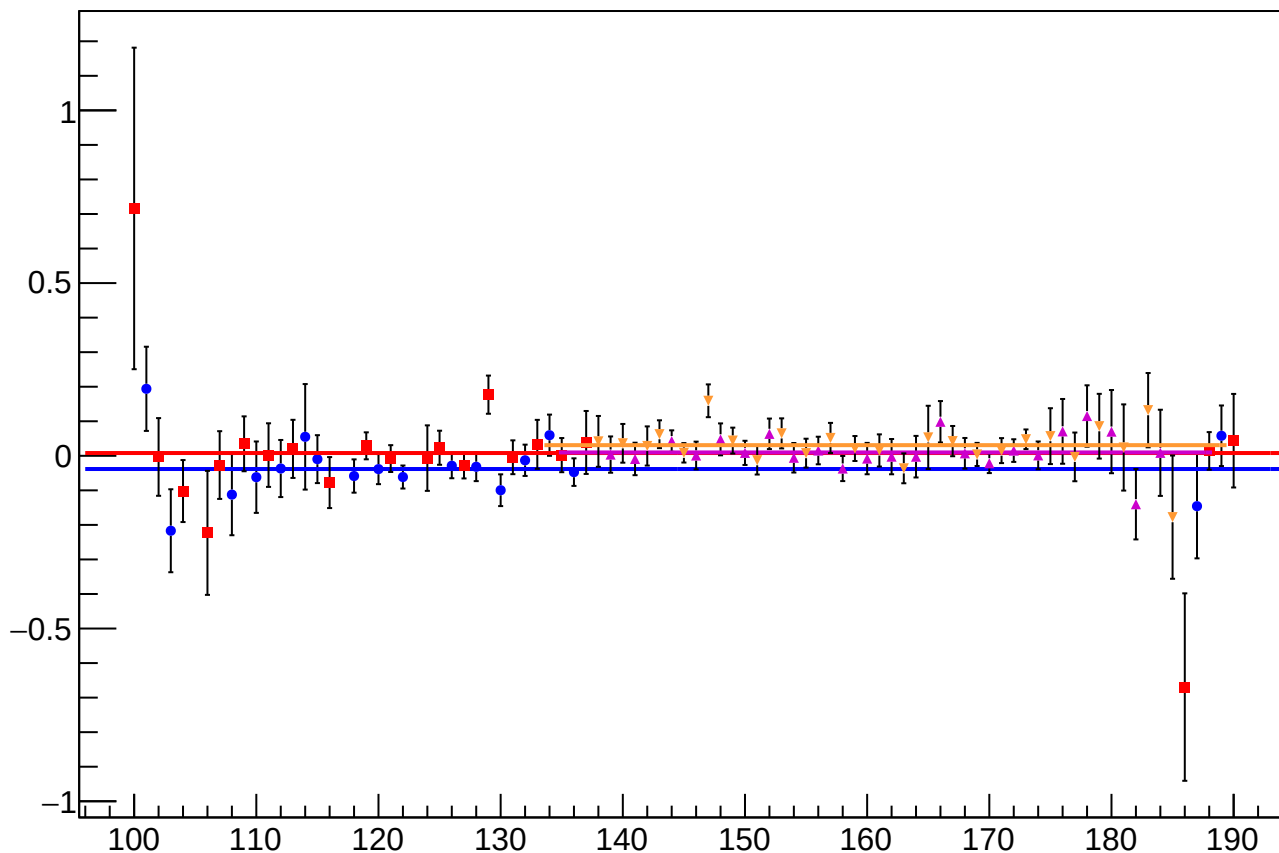
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012767.1/22

+ sign 35.605 $\pm$ 0.005 χ^2 /NDF: 6791047.5/42

All: 36.318 $\pm$ 0.004 χ^2 /NDF: 12446624.3/87

- sign 37.081 $\pm$ 0.005 χ^2 /NDF: 5617799.1/44

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.038 ± 0.013 χ^2/NDF : 14.1/17

Left Out: 0.031 ± 0.009 χ^2/NDF : 17.8/24

Right Out: 0.008 ± 0.014 χ^2/NDF : 24.6/21

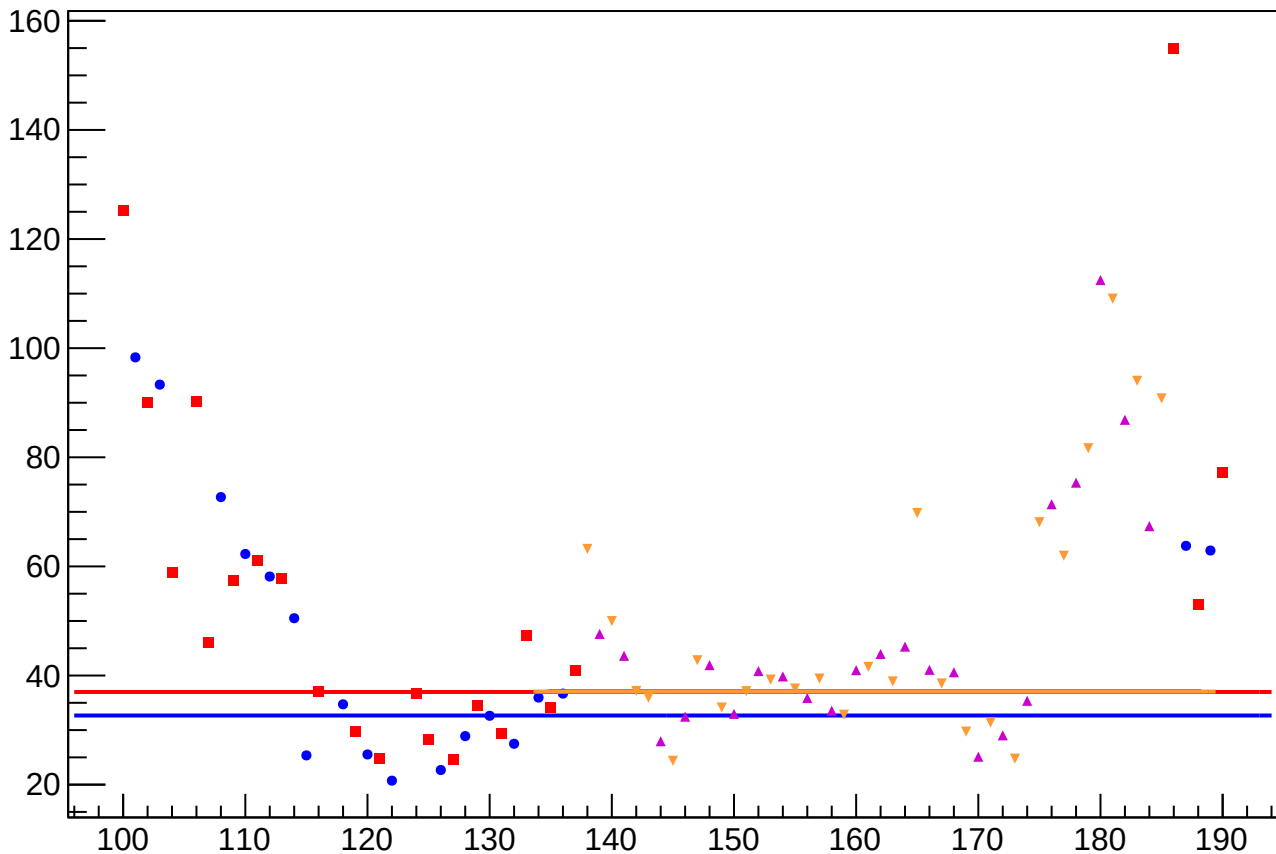
Left In: 0.010 ± 0.009 χ^2/NDF : 13.2/22

+ sign 0.008 ± 0.007 χ^2/NDF : 50.9/42

All: 0.009 ± 0.005 χ^2/NDF : 88.8/87

- sign 0.009 ± 0.008 χ^2/NDF : 37.9/44

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.672 $\pm$ 0.009 χ^2 /NDF: 2584397.8/17

Left Out: 37.057 $\pm$ 0.006 χ^2 /NDF: 4053728.9/24

Right Out: 36.985 $\pm$ 0.010 χ^2 /NDF: 2604885.3/21

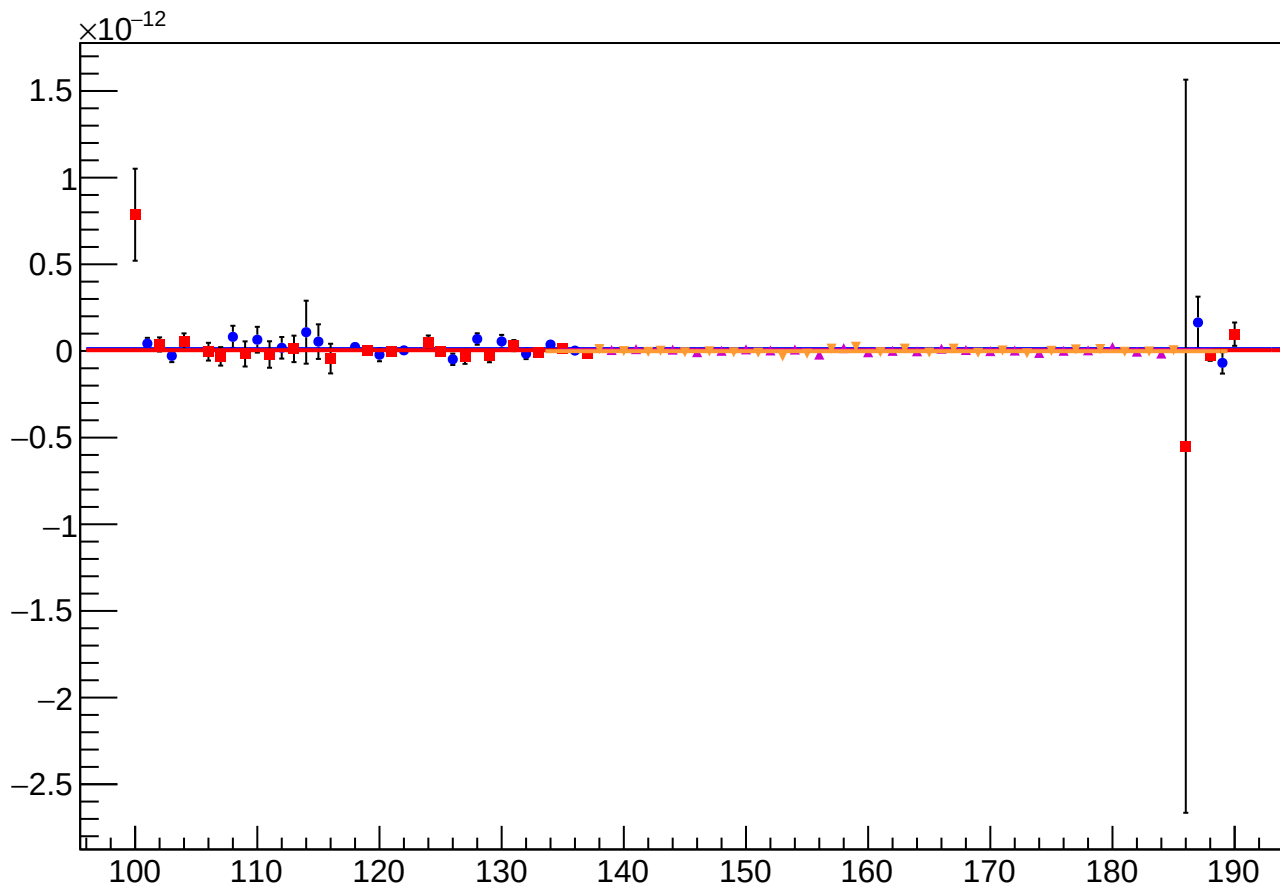
Left In: 37.127 $\pm$ 0.007 χ^2 /NDF: 3012767.1/22

+ sign 35.605 $\pm$ 0.005 χ^2 /NDF: 6791047.5/42

All: 36.318 $\pm$ 0.004 χ^2 /NDF: 12446624.3/87

- sign 37.081 $\pm$ 0.005 χ^2 /NDF: 5617799.1/44

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 19.6/17

Left Out: -0.000+/-0.000 χ^2 /NDF: 26.0/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 20.2/21

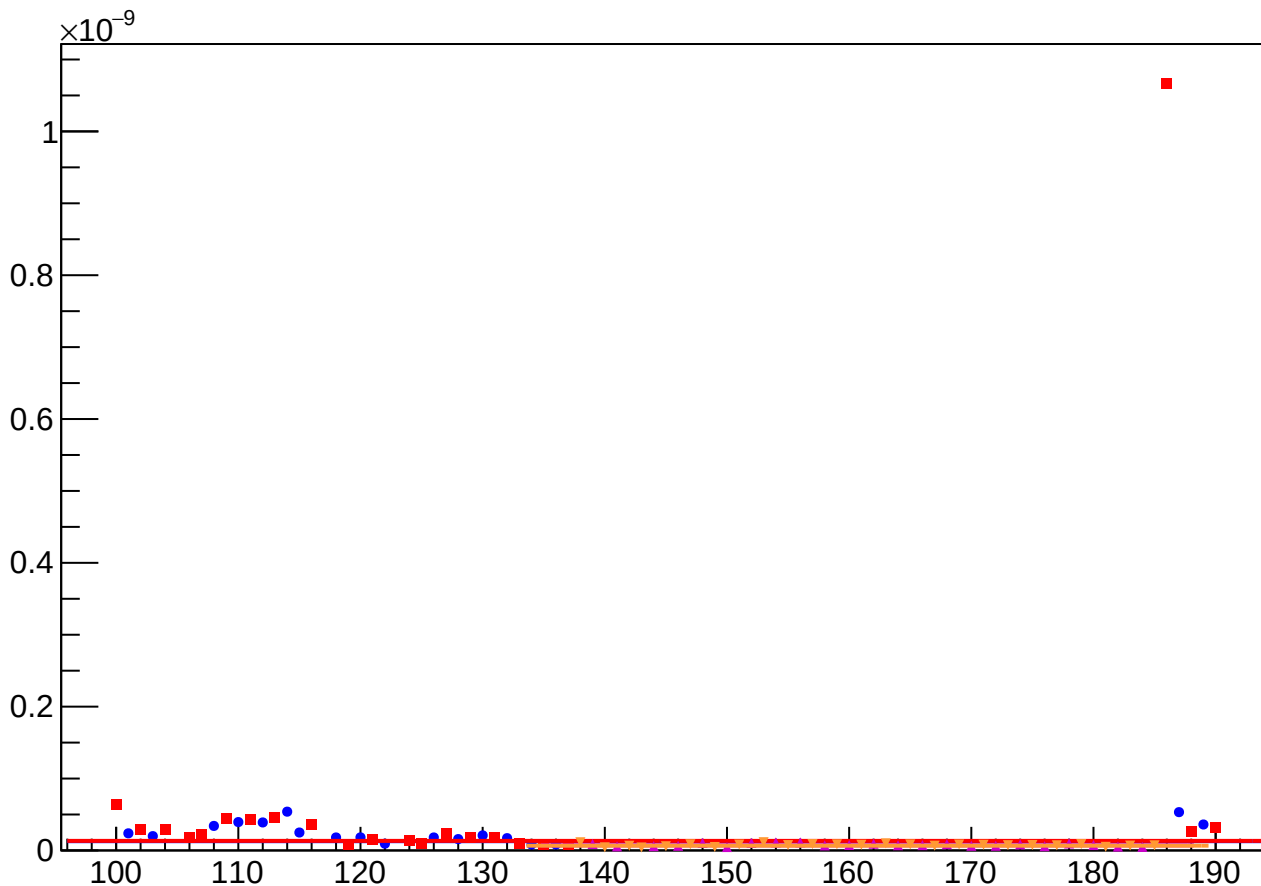
Left In: 0.000+/-0.000 χ^2 /NDF: 20.6/22

+ sign -0.000+/-0.000 χ^2 /NDF: 48.8/42

All: 0.000+/-0.000 χ^2 /NDF: 91.3/87

- sign 0.000+/-0.000 χ^2 /NDF: 40.7/44

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2598829.6/17

Left Out: 0.000+/-0.000 χ^2/NDF :1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3732447.6/21

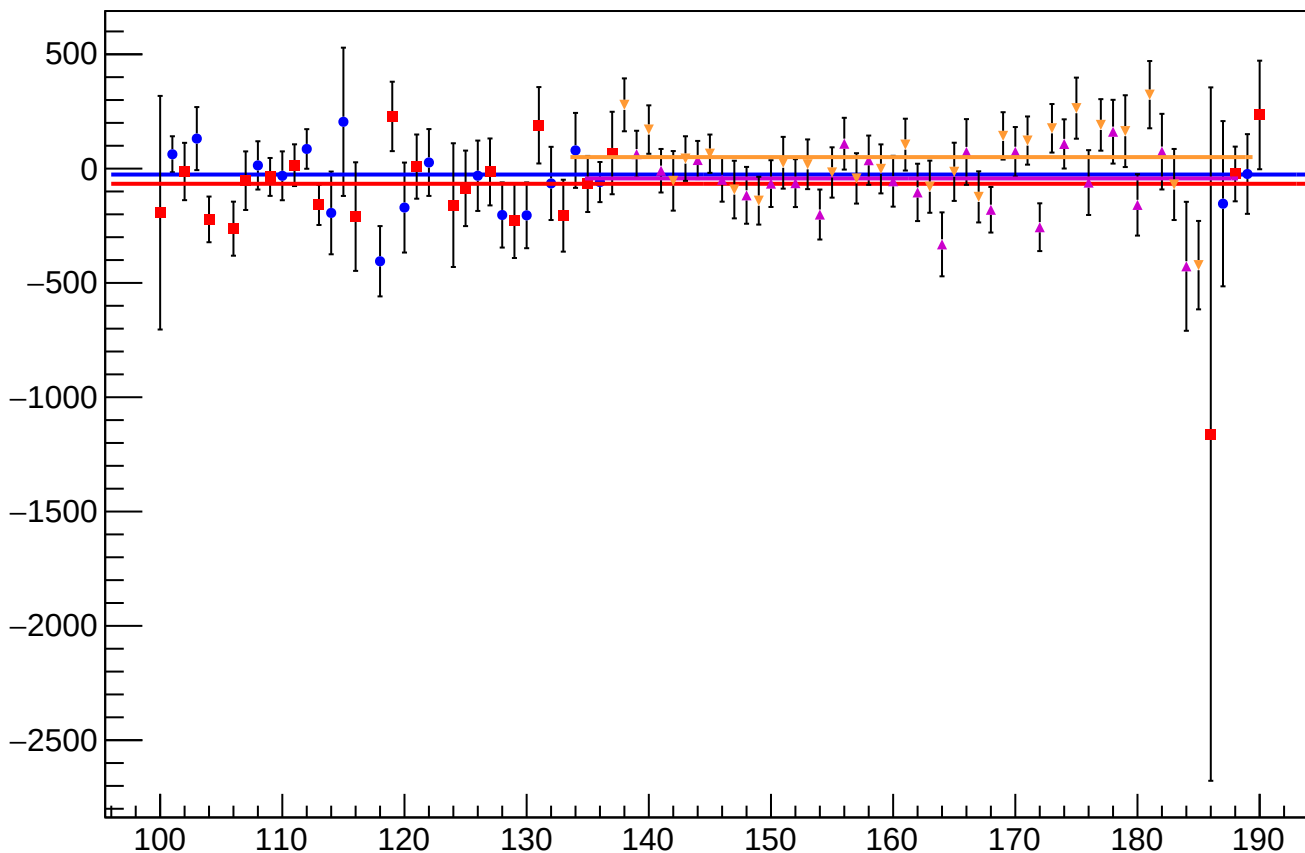
Left In: 0.000+/-0.000 χ^2/NDF :1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 6280913.2/42

All: 0.000+/-0.000 χ^2/NDF : 13174317.6/87

- sign 0.000+/-0.000 χ^2/NDF : 6832131.0/44

reg_asym_sam_1548_avg_mean vs Slug



Right In: -25.949 ± 30.630 $\chi^2/\text{NDF}: 16.3/17$

Left Out: 50.314 ± 22.958 $\chi^2/\text{NDF}: 33.5/24$

Right Out: -66.409 ± 28.820 $\chi^2/\text{NDF}: 19.1/21$

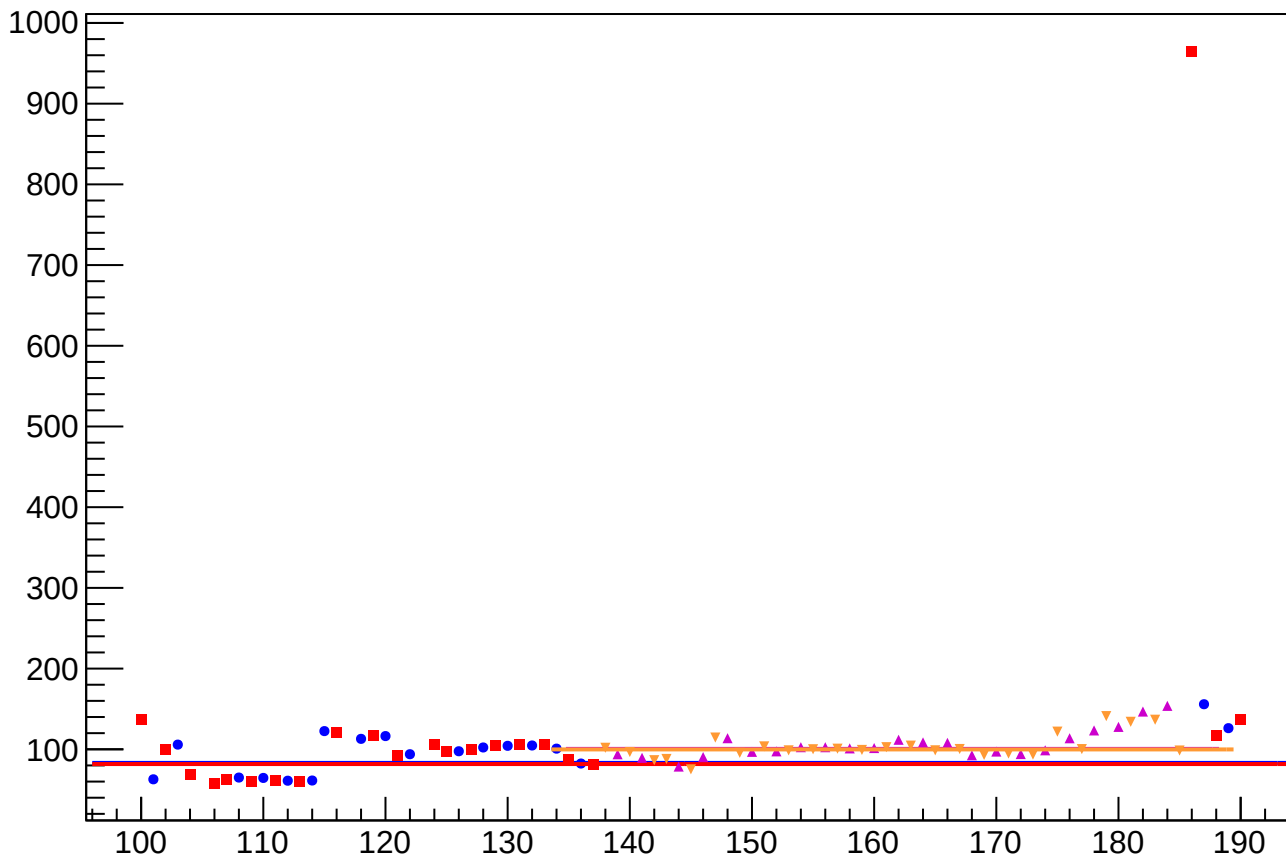
Left In: -43.026 ± 23.758 $\chi^2/\text{NDF}: 26.6/22$

+ sign 22.882 ± 18.370 $\chi^2/\text{NDF}: 53.7/42$

All: -14.881 ± 12.976 $\chi^2/\text{NDF}: 108.3/87$

- sign -52.487 ± 18.332 $\chi^2/\text{NDF}: 46.1/44$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 83.135 $\pm$ 0.022 χ^2 /NDF: 998341.3/17

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.7/24

Right Out: 81.715 $\pm$ 0.020 χ^2 /NDF: 1917866.3/21

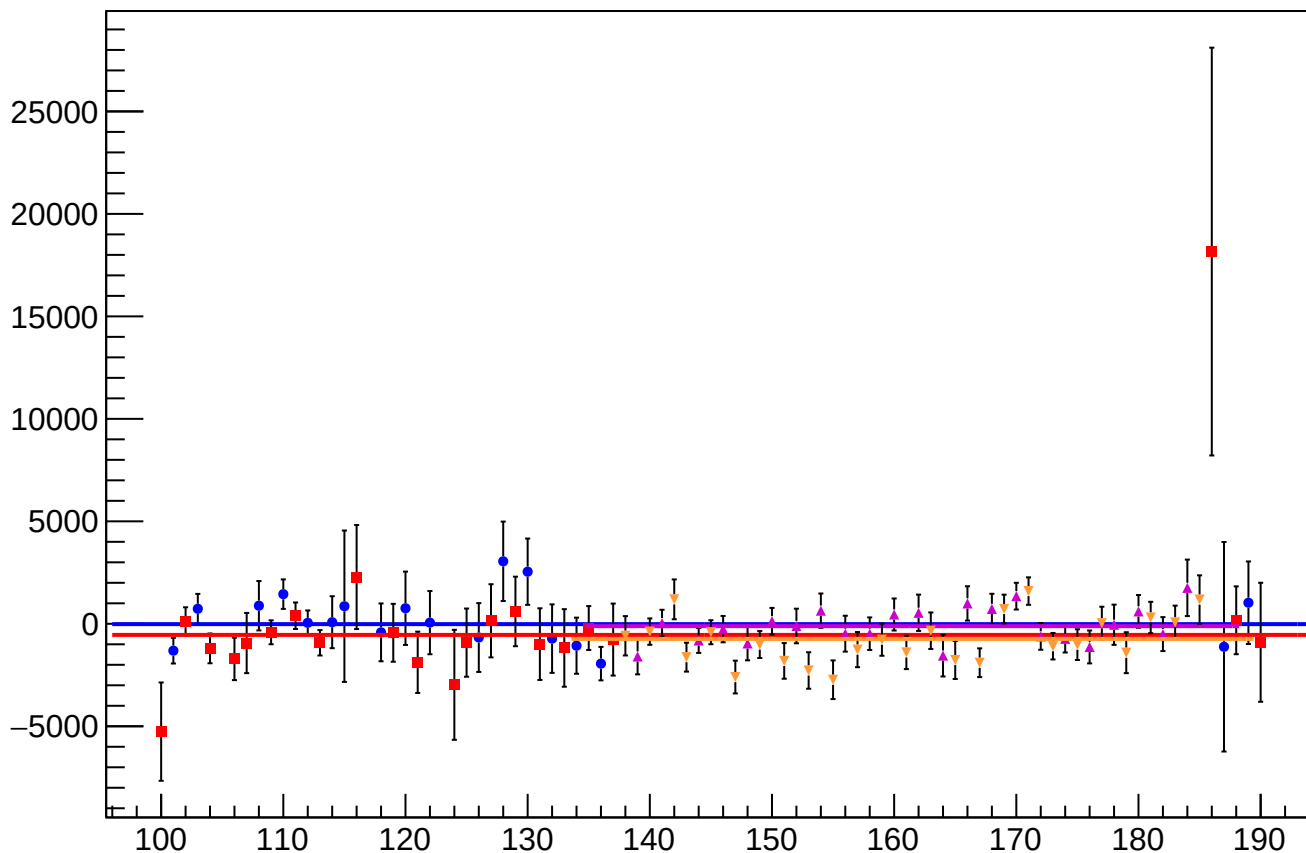
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 93.830 $\pm$ 0.013 χ^2 /NDF: 2076958.3/42

All: 93.363 $\pm$ 0.009 χ^2 /NDF: 5160035.6/87

- sign 92.898 $\pm$ 0.013 χ^2 /NDF: 3080496.1/44

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -16.201 ± 254.616 χ^2/NDF : 22.2/17

Left Out: -738.364 ± 156.311 χ^2/NDF : 49.7/24

Right Out: -541.764 ± 235.213 χ^2/NDF : 17.0/21

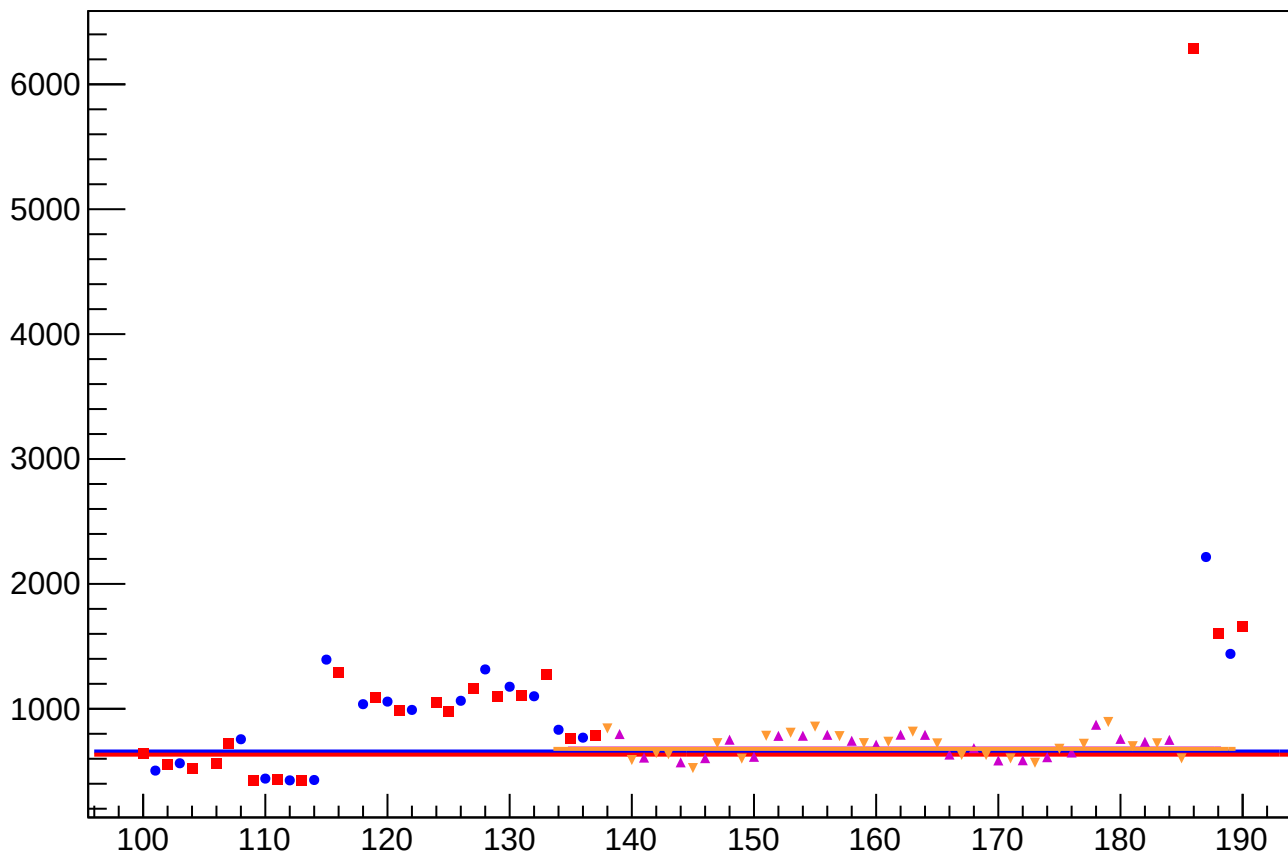
Left In: -115.639 ± 160.990 χ^2/NDF : 23.7/22

+ sign -540.692 ± 133.211 χ^2/NDF : 77.7/42

All: -395.745 ± 94.067 χ^2/NDF : 123.1/87

- sign -251.580 ± 132.852 χ^2/NDF : 43.0/44

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 658.160 $\pm$ 0.180 χ^2 /NDF: 2370171.2/17

Left Out: 679.146 $\pm$ 0.111 χ^2 /NDF: 737419.7/24

Right Out: 632.942 $\pm$ 0.166 χ^2 /NDF: 3683794.1/21

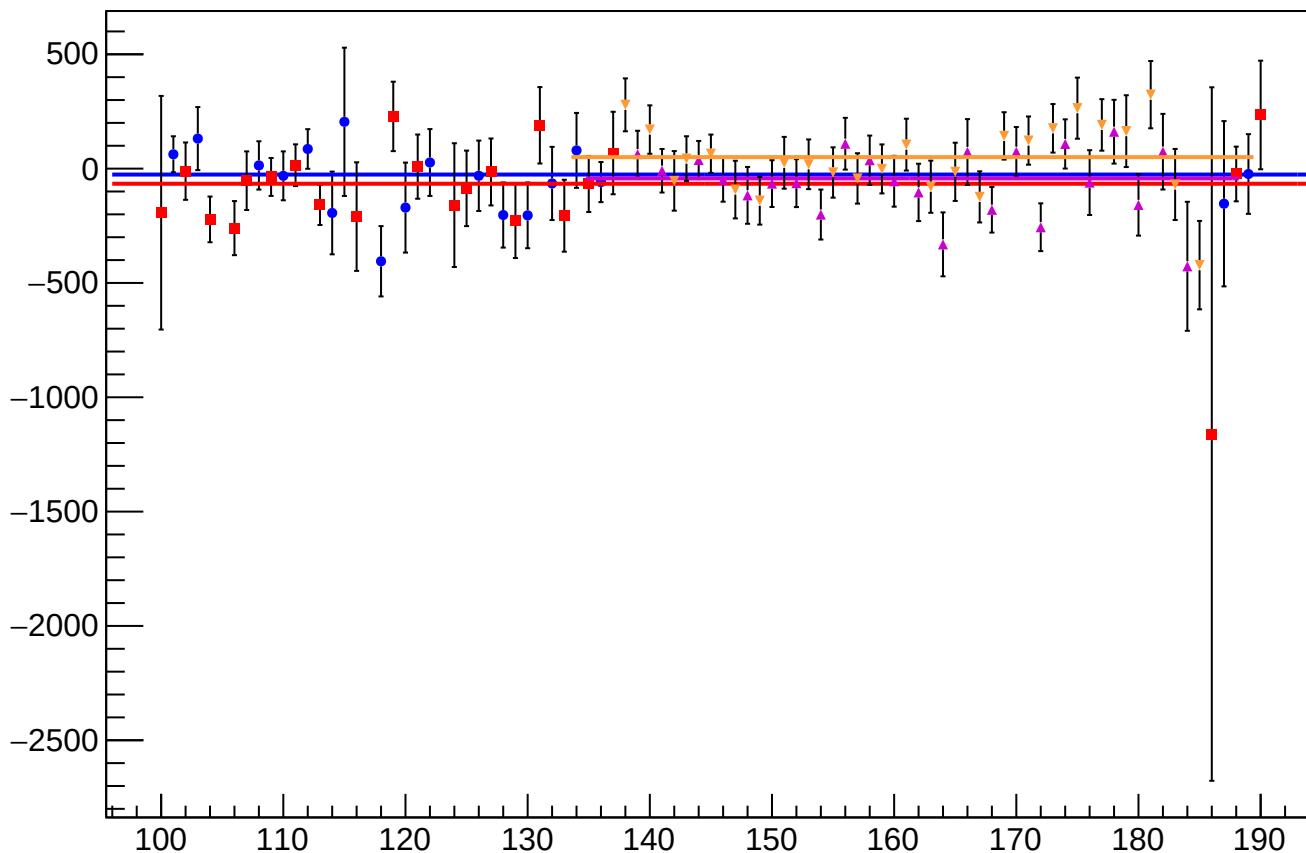
Left In: 681.893 $\pm$ 0.114 χ^2 /NDF: 573812.4/22

+ sign 673.402 $\pm$ 0.094 χ^2 /NDF: 3117459.1/42

All: 669.830 $\pm$ 0.067 χ^2 /NDF: 7436923.2/87

- sign 666.277 $\pm$ 0.094 χ^2 /NDF: 4316595.7/44

cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.951 ± 30.630 χ^2/NDF : 16.3/17

Left Out: 50.322 ± 22.958 χ^2/NDF : 33.4/24

Right Out: -66.162 ± 28.821 χ^2/NDF : 19.0/21

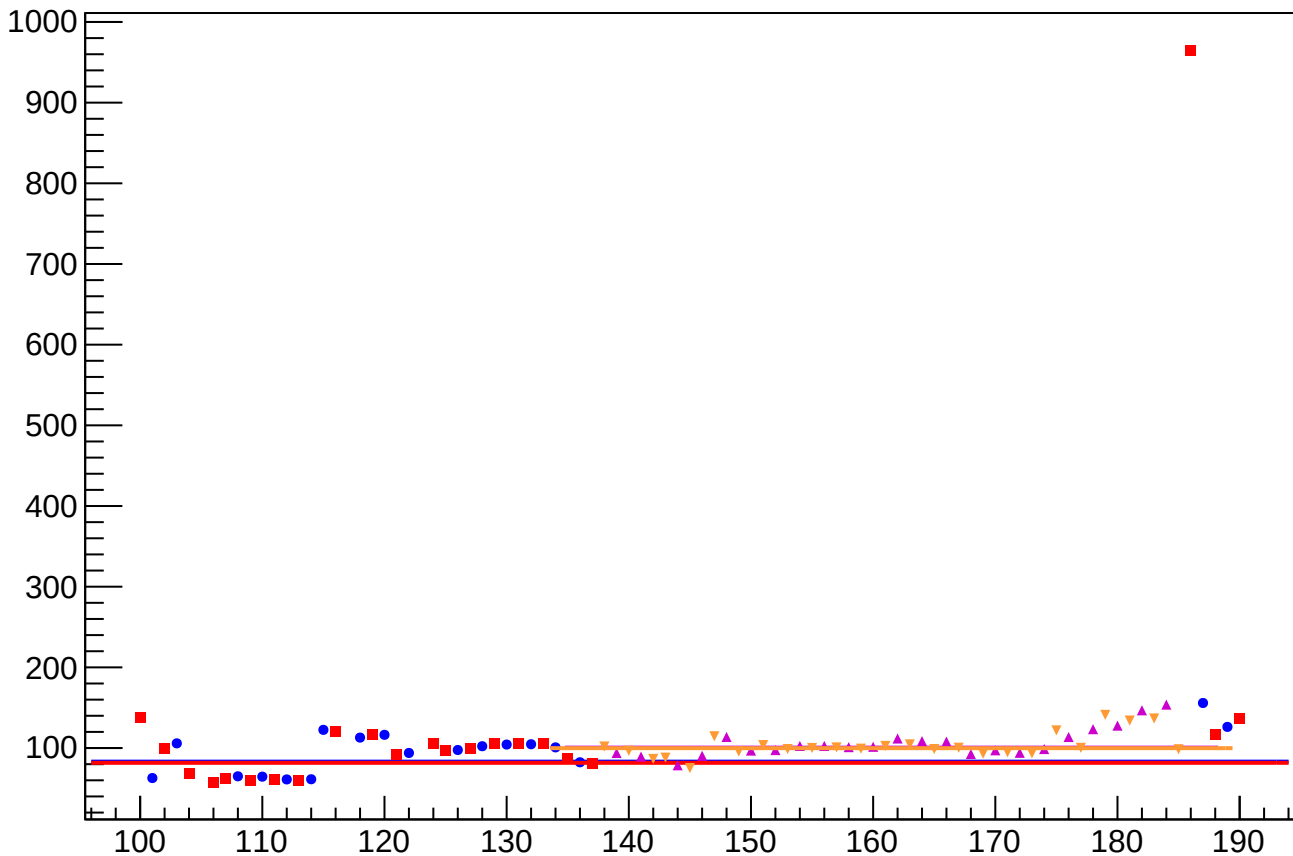
Left In: -43.026 ± 23.758 χ^2/NDF : 26.6/22

+ sign 22.886 ± 18.370 χ^2/NDF : 53.7/42

All: -14.828 ± 12.976 χ^2/NDF : 108.2/87

- sign -52.387 ± 18.332 χ^2/NDF : 46.0/44

cor_asym_sam_1548_avg_rms vs Slug



Right In: 83.135 $\pm$ 0.022 χ^2 /NDF: 998343.6/17

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.8/24

Right Out: 81.698 $\pm$ 0.020 χ^2 /NDF: 1920285.9/21

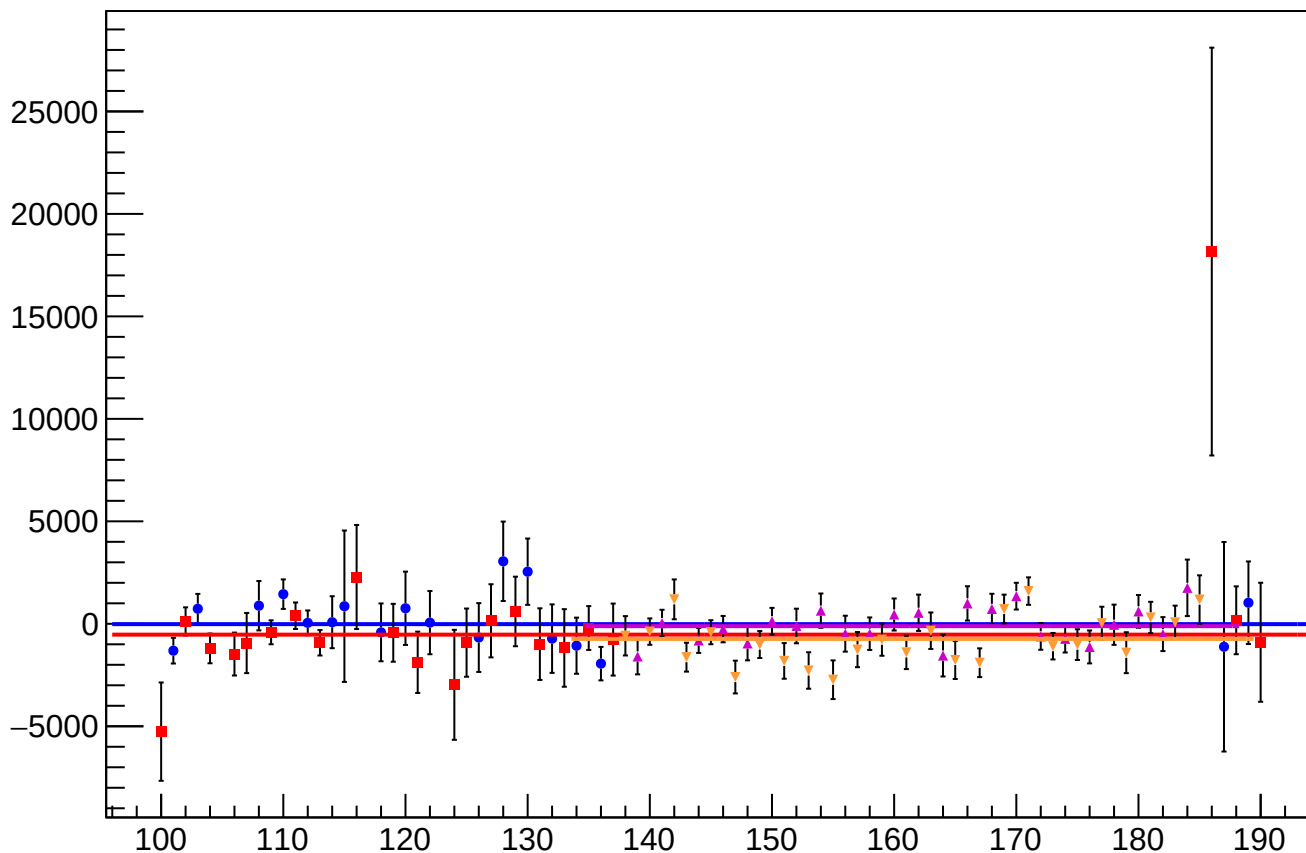
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 93.830 $\pm$ 0.013 χ^2 /NDF: 2076959.7/42

All: 93.360 $\pm$ 0.009 χ^2 /NDF: 5163367.5/87

- sign 92.892 $\pm$ 0.013 χ^2 /NDF: 3083791.6/44

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -16.227 $\pm$ 254.619 χ^2 /NDF: 22.2/17

Left Out: -738.352 $\pm$ 156.311 χ^2 /NDF: 49.7/24

Right Out: -529.147 $\pm$ 235.355 χ^2 /NDF: 16.6/21

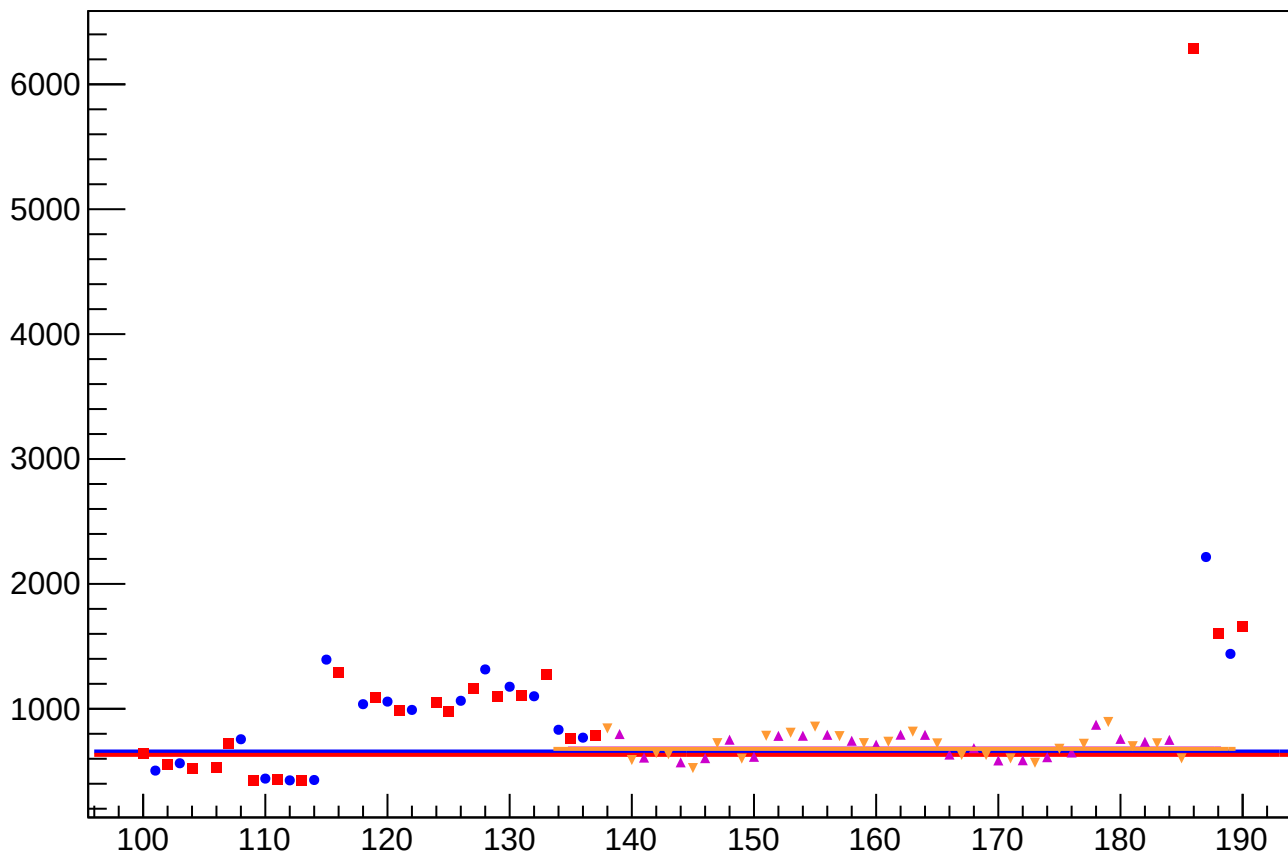
Left In: -115.639 $\pm$ 160.990 χ^2 /NDF: 23.7/22

+ sign -540.693 $\pm$ 133.212 χ^2 /NDF: 77.7/42

All: -393.701 $\pm$ 94.076 χ^2 /NDF: 122.5/87

- sign -247.447 $\pm$ 132.877 χ^2 /NDF: 42.4/44

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 658.169 $\pm$ 0.180 χ^2 /NDF: 2370121.4/17

Left Out: 679.146 $\pm$ 0.111 χ^2 /NDF: 737418.6/24

Right Out: 631.346 $\pm$ 0.166 χ^2 /NDF: 3694255.8/21

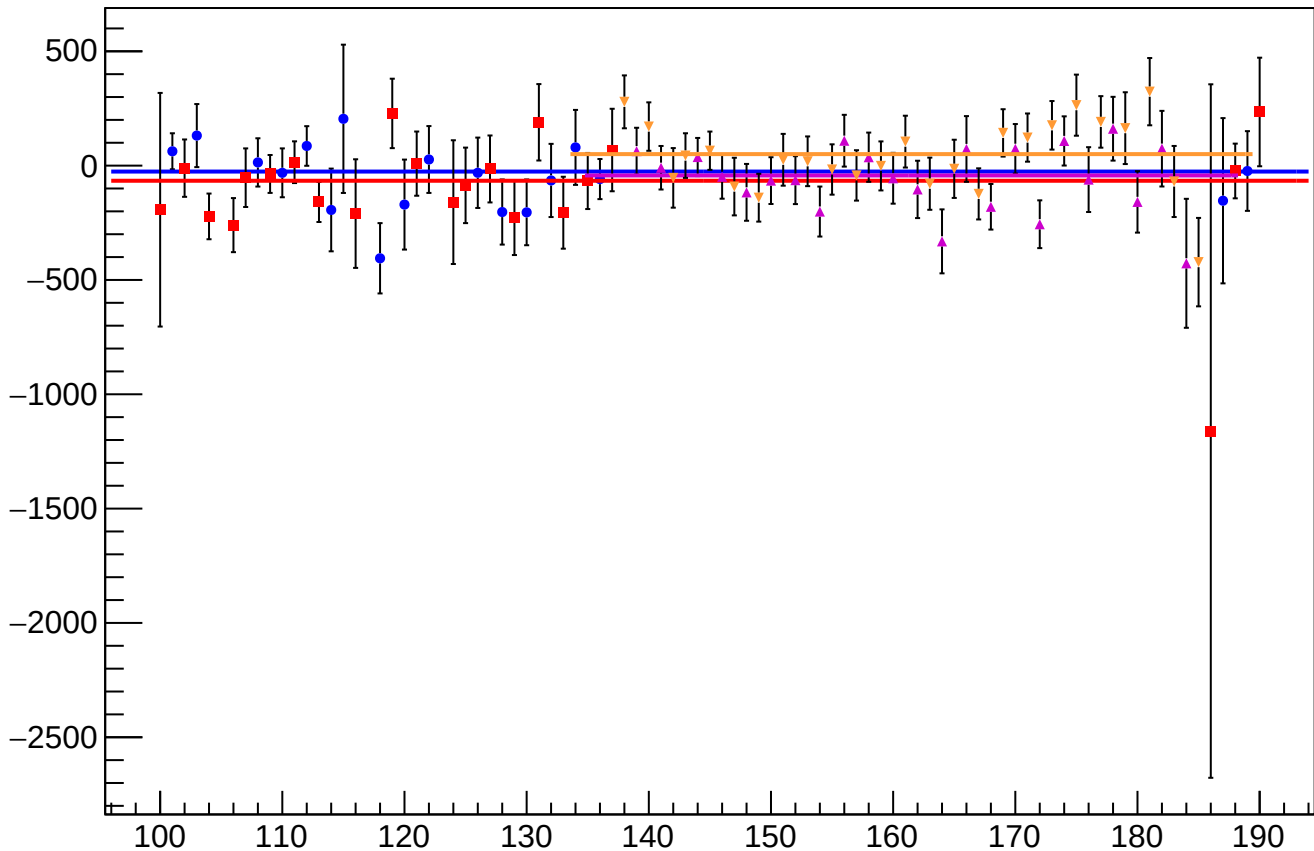
Left In: 681.893 $\pm$ 0.114 χ^2 /NDF: 573813.6/22

+ sign 673.404 $\pm$ 0.094 χ^2 /NDF: 3117399.4/42

All: 669.583 $\pm$ 0.067 χ^2 /NDF: 7451598.4/87

- sign 665.781 $\pm$ 0.094 χ^2 /NDF: 4330915.7/44

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -25.951 ± 30.630 χ^2/NDF : 16.3/17

Left Out: 50.322 ± 22.958 χ^2/NDF : 33.4/24

Right Out: -66.162 ± 28.821 χ^2/NDF : 19.0/21

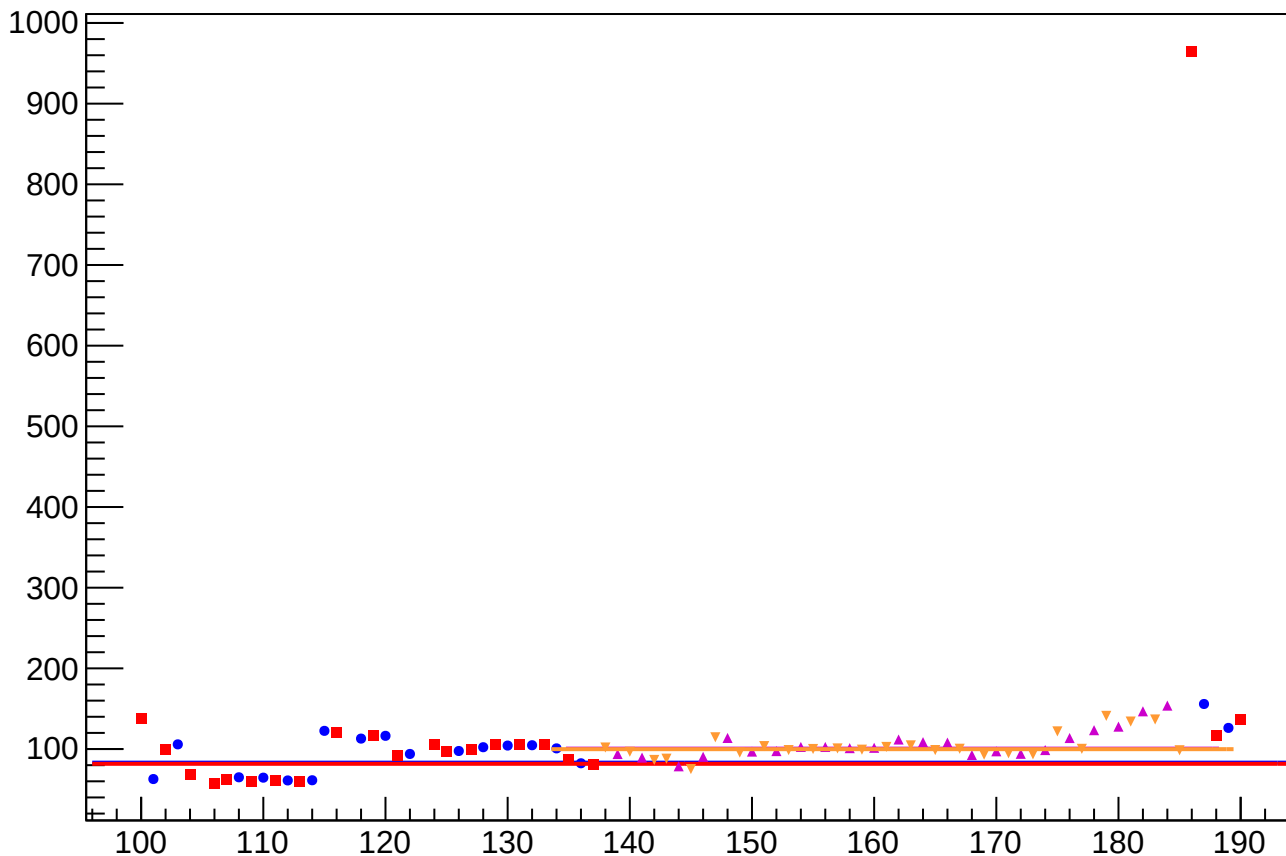
Left In: -43.026 ± 23.758 χ^2/NDF : 26.6/22

+ sign 22.886 ± 18.370 χ^2/NDF : 53.7/42

All: -14.828 ± 12.976 χ^2/NDF : 108.2/87

- sign -52.387 ± 18.332 χ^2/NDF : 46.0/44

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 83.135 $\pm$ 0.022 χ^2 /NDF: 998343.6/17

Left Out: 99.839 $\pm$ 0.016 χ^2 /NDF: 697768.8/24

Right Out: 81.698 $\pm$ 0.020 χ^2 /NDF: 1920285.9/21

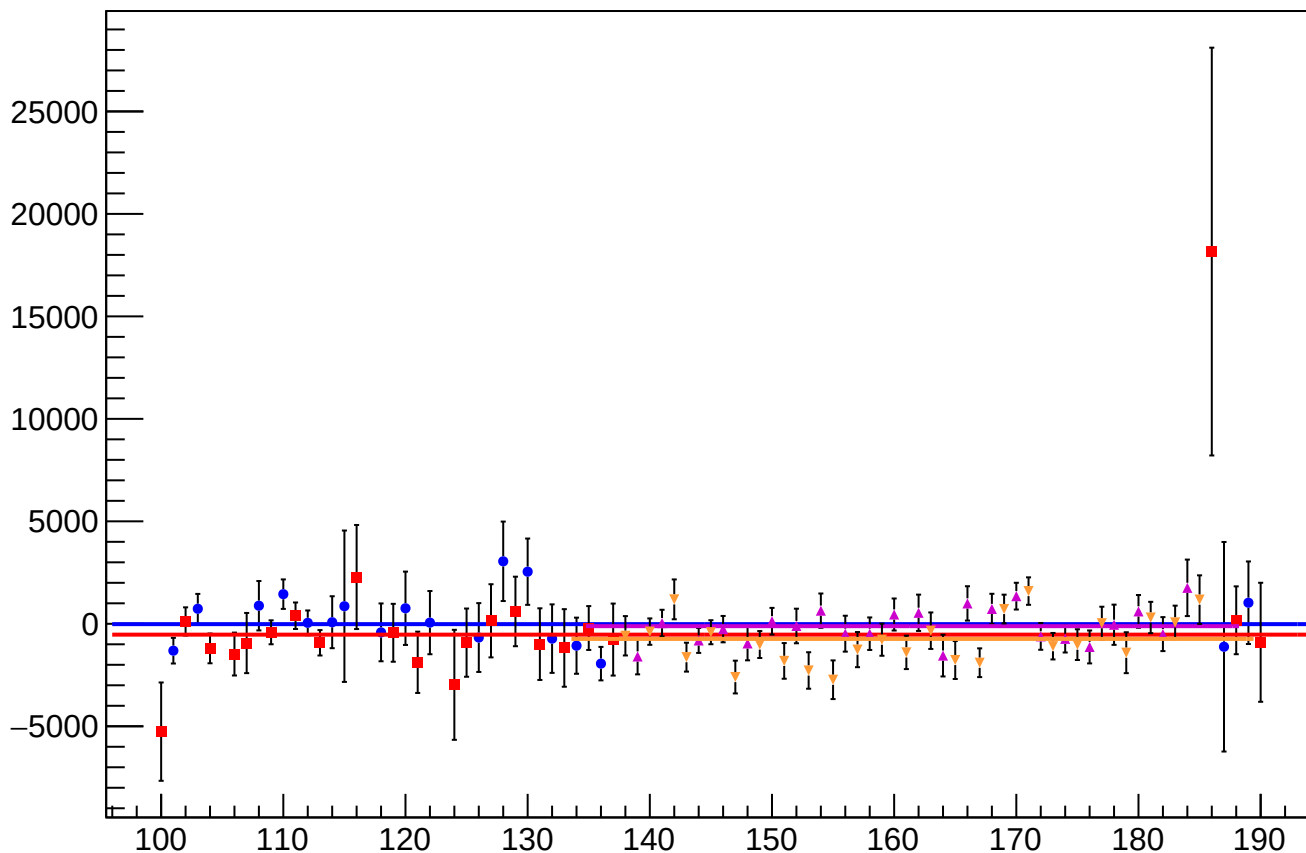
Left In: 100.498 $\pm$ 0.017 χ^2 /NDF: 656850.1/22

+ sign 93.830 $\pm$ 0.013 χ^2 /NDF: 2076959.7/42

All: 93.360 $\pm$ 0.009 χ^2 /NDF: 5163367.5/87

- sign 92.892 $\pm$ 0.013 χ^2 /NDF: 3083791.6/44

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug



Right In: -16.227 ± 254.619 χ^2/NDF : 22.2/17

Left Out: -738.352 ± 156.311 χ^2/NDF : 49.7/24

Right Out: -529.147 ± 235.355 χ^2/NDF : 16.6/21

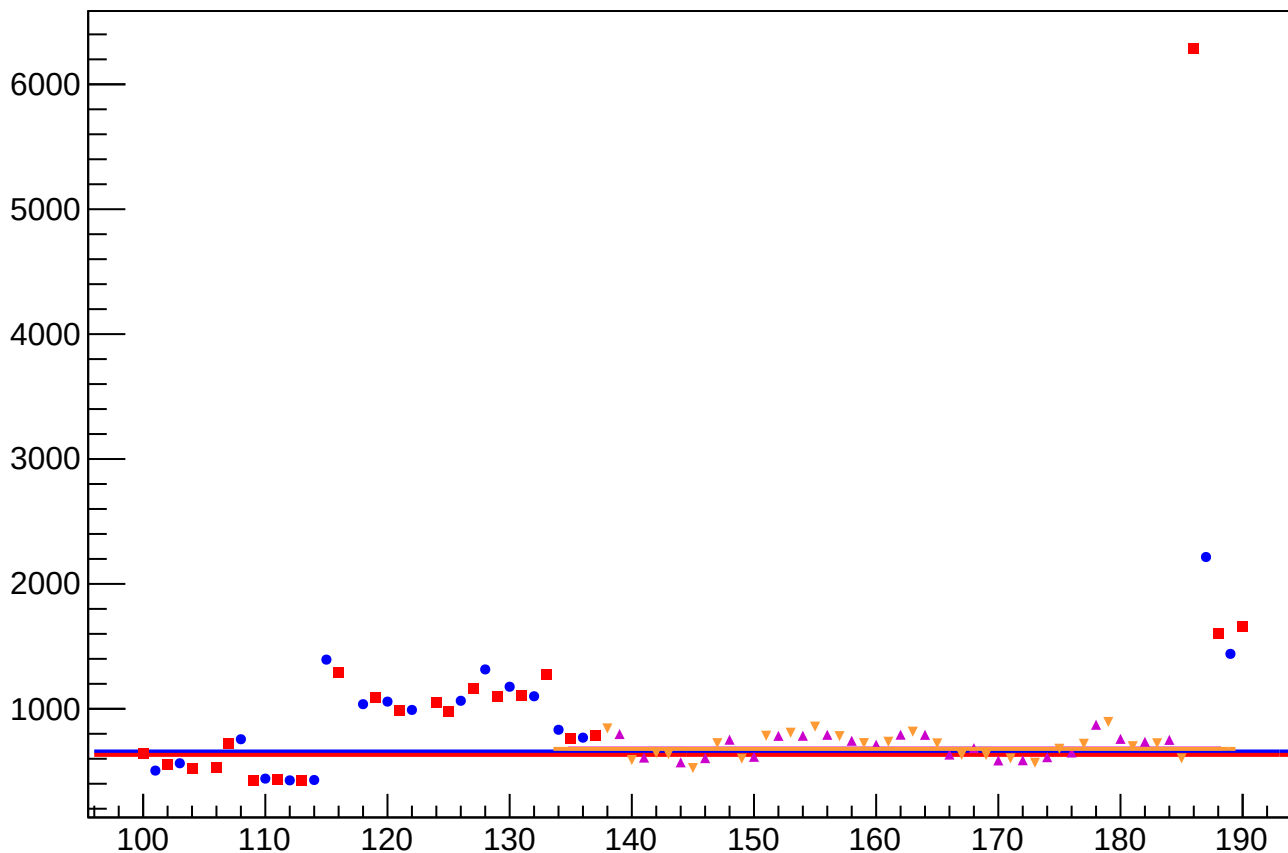
Left In: -115.639 ± 160.990 χ^2/NDF : 23.7/22

+ sign -540.693 ± 133.212 χ^2/NDF : 77.7/42

All: -393.701 ± 94.076 χ^2/NDF : 122.5/87

- sign -247.447 ± 132.877 χ^2/NDF : 42.4/44

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 658.169 $\pm$ 0.180 χ^2 /NDF: 2370121.4/17

Left Out: 679.146 $\pm$ 0.111 χ^2 /NDF: 737418.6/24

+ sign 673.404 $\pm$ 0.094 χ^2 /NDF: 3117399.4/42

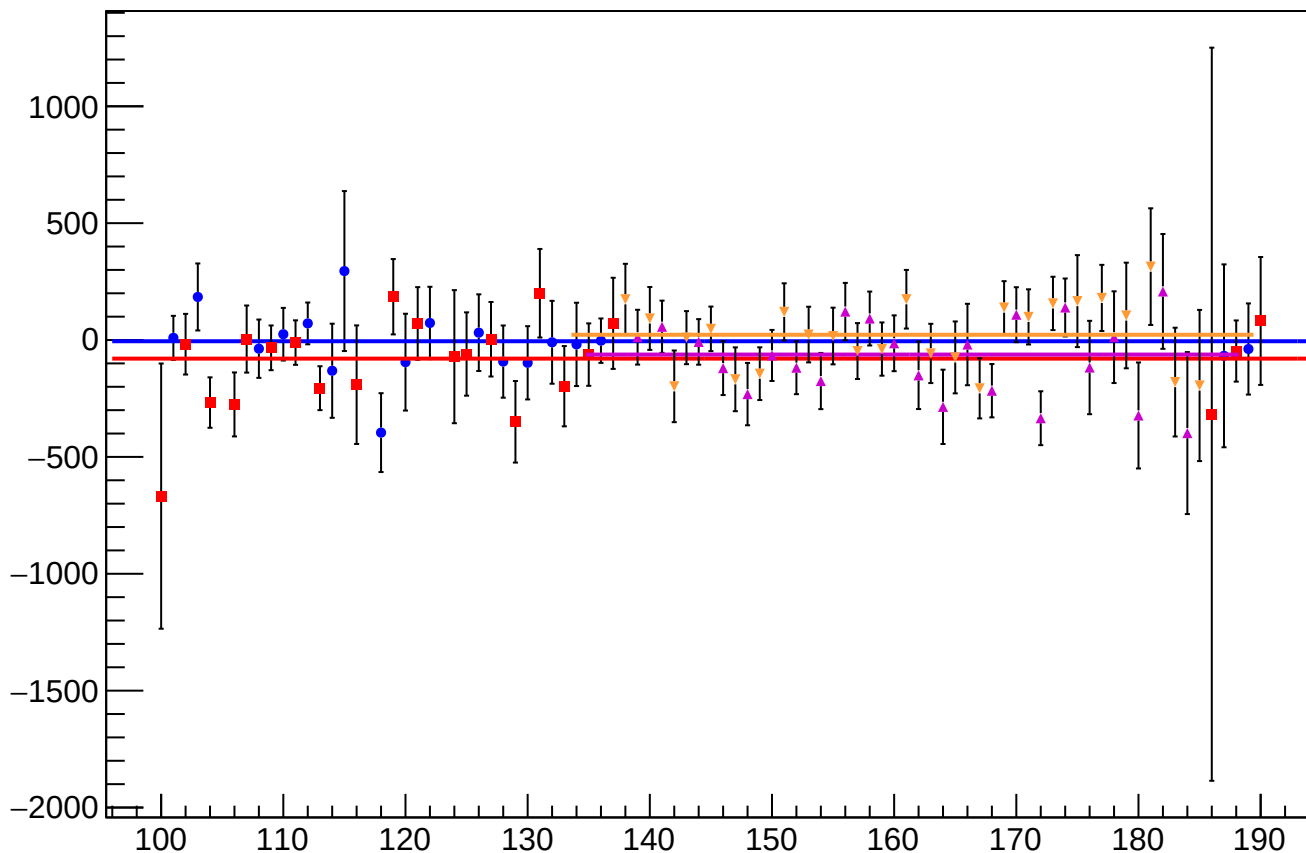
Right Out: 631.346 $\pm$ 0.166 χ^2 /NDF: 3694255.8/21

All: 669.583 $\pm$ 0.067 χ^2 /NDF: 7451598.4/87

- sign 665.781 $\pm$ 0.094 χ^2 /NDF: 4330915.7/44

Left In: 681.893 $\pm$ 0.114 χ^2 /NDF: 573813.6/22

dit_asym_sam_1548_avg_mean vs Slug



Right In: -5.129 $\pm$ 33.517 χ^2/NDF : 10.4/17

Left Out: 22.542 $\pm$ 26.643 χ^2/NDF : 21.6/24

Right Out: -79.474 $\pm$ 31.447 χ^2/NDF : 19.5/21

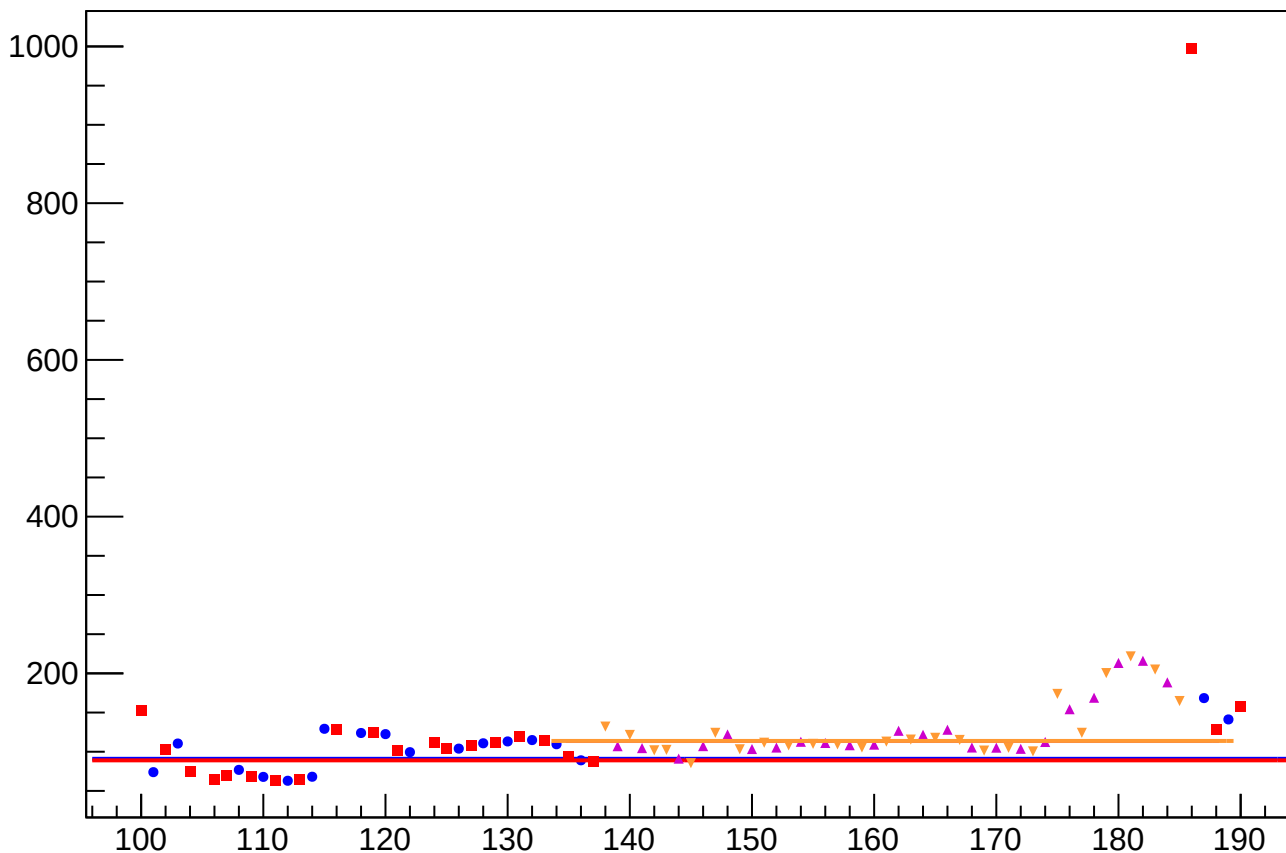
Left In: -62.169 $\pm$ 27.339 χ^2/NDF : 27.3/22

+ sign 11.827 $\pm$ 20.856 χ^2/NDF : 32.4/42

All: -29.336 $\pm$ 14.668 χ^2/NDF : 87.1/87

- sign -69.618 $\pm$ 20.632 χ^2/NDF : 47.0/44

dit_asym_sam_1548_avg_rms vs Slug



Right In: 90.945 $\pm$ 0.024 χ^2 /NDF: 943703.2/17

Left Out: 113.766 $\pm$ 0.019 χ^2 /NDF: 1579920.3/24

Right Out: 89.003 $\pm$ 0.022 χ^2 /NDF: 1882122.1/21

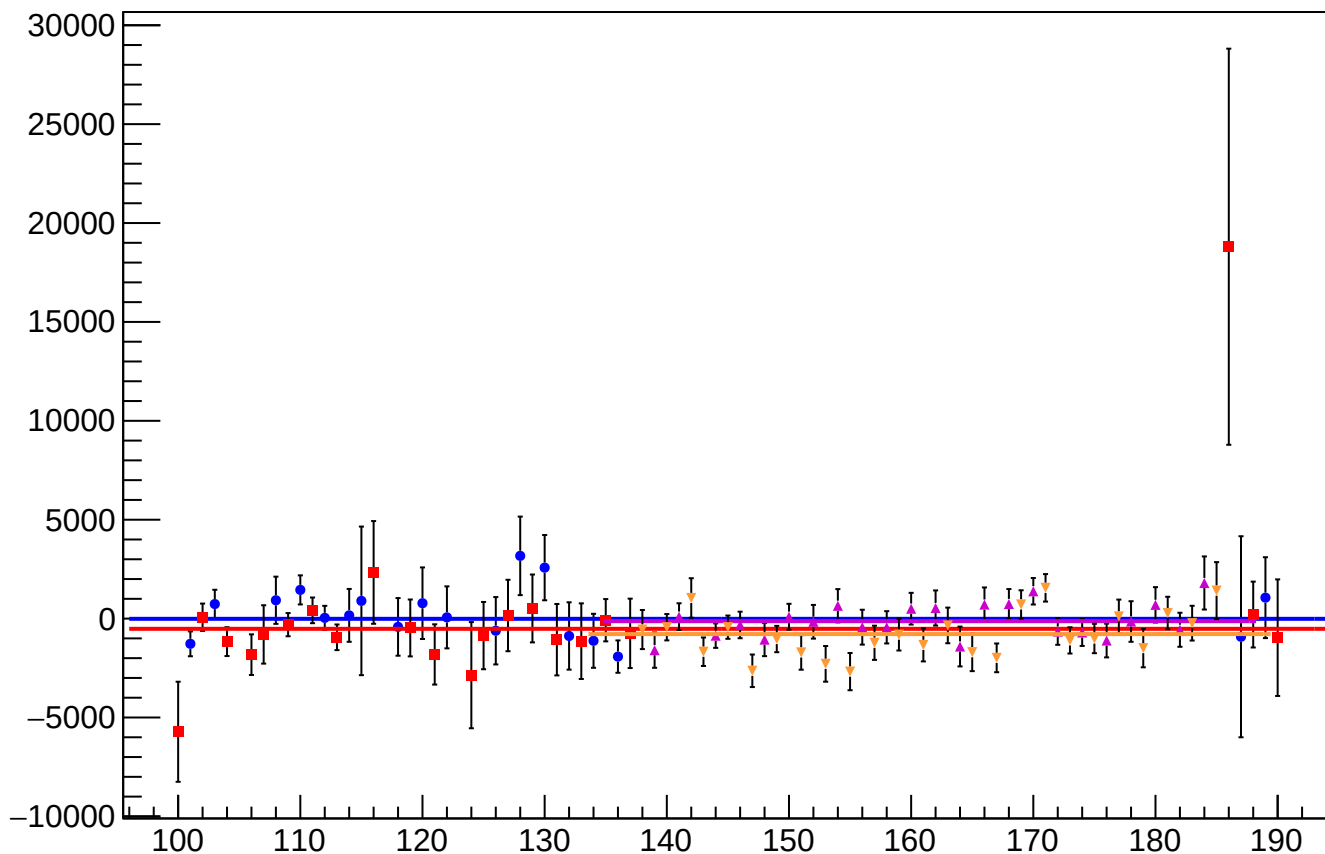
Left In: 113.677 $\pm$ 0.019 χ^2 /NDF: 1316044.6/22

+ sign 104.929 $\pm$ 0.015 χ^2 /NDF: 3091789.4/42

All: 103.982 $\pm$ 0.010 χ^2 /NDF: 6999364.5/87

- sign 103.056 $\pm$ 0.015 χ^2 /NDF: 3899416.8/44

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -10.922 ± 257.010 χ^2/NDF : 21.9/17

Left Out: -784.286 ± 160.482 χ^2/NDF : 45.4/24

Right Out: -516.284 ± 237.898 χ^2/NDF : 17.6/21

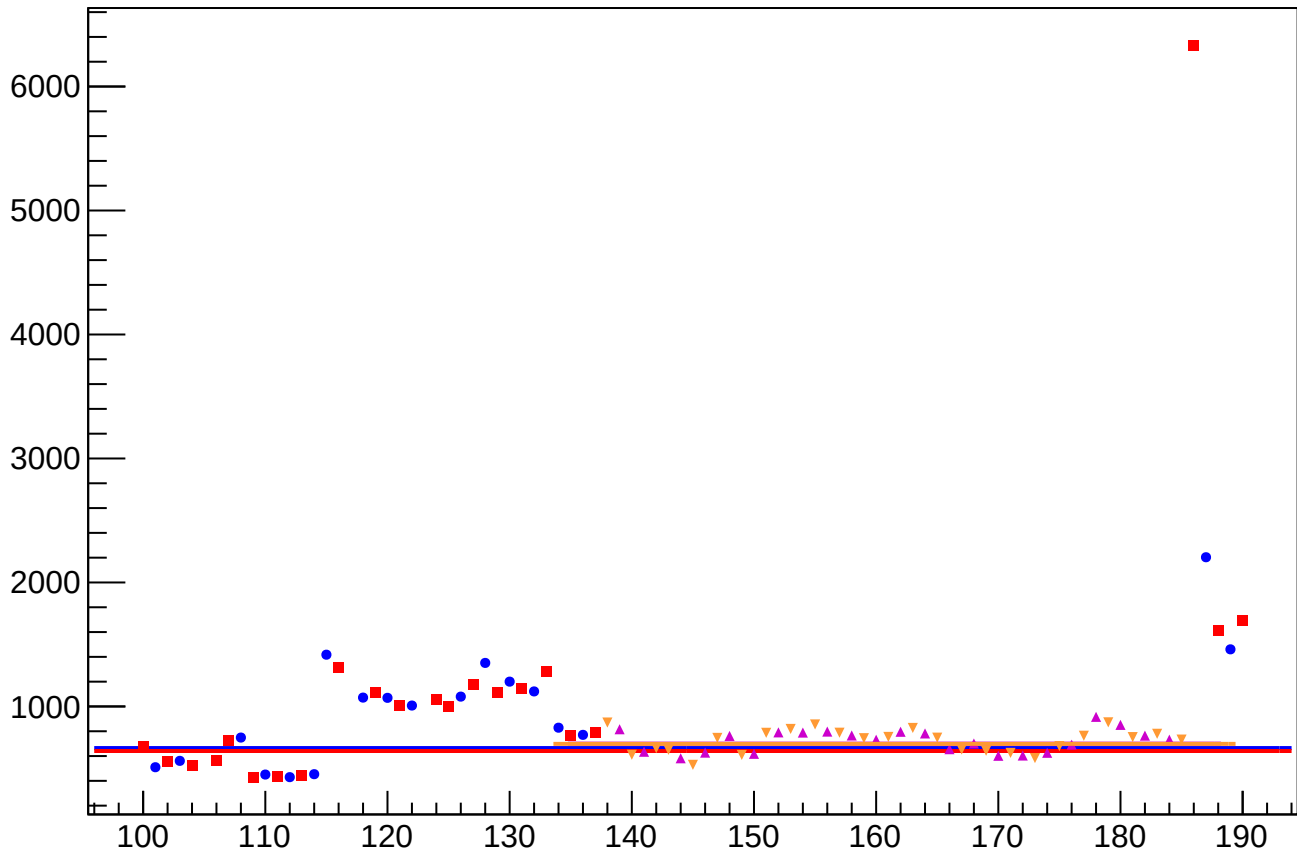
Left In: -128.155 ± 165.255 χ^2/NDF : 22.7/22

+ sign -567.340 ± 136.124 χ^2/NDF : 73.8/42

All: -410.450 ± 96.112 χ^2/NDF : 118.5/87

- sign -254.483 ± 135.723 χ^2/NDF : 42.1/44

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 664.461 $\pm$ 0.182 χ^2 /NDF: 2382808.9/17

Left Out: 698.237 $\pm$ 0.113 χ^2 /NDF: 714686.8/24

Right Out: 640.796 $\pm$ 0.168 χ^2 /NDF: 3687267.9/21

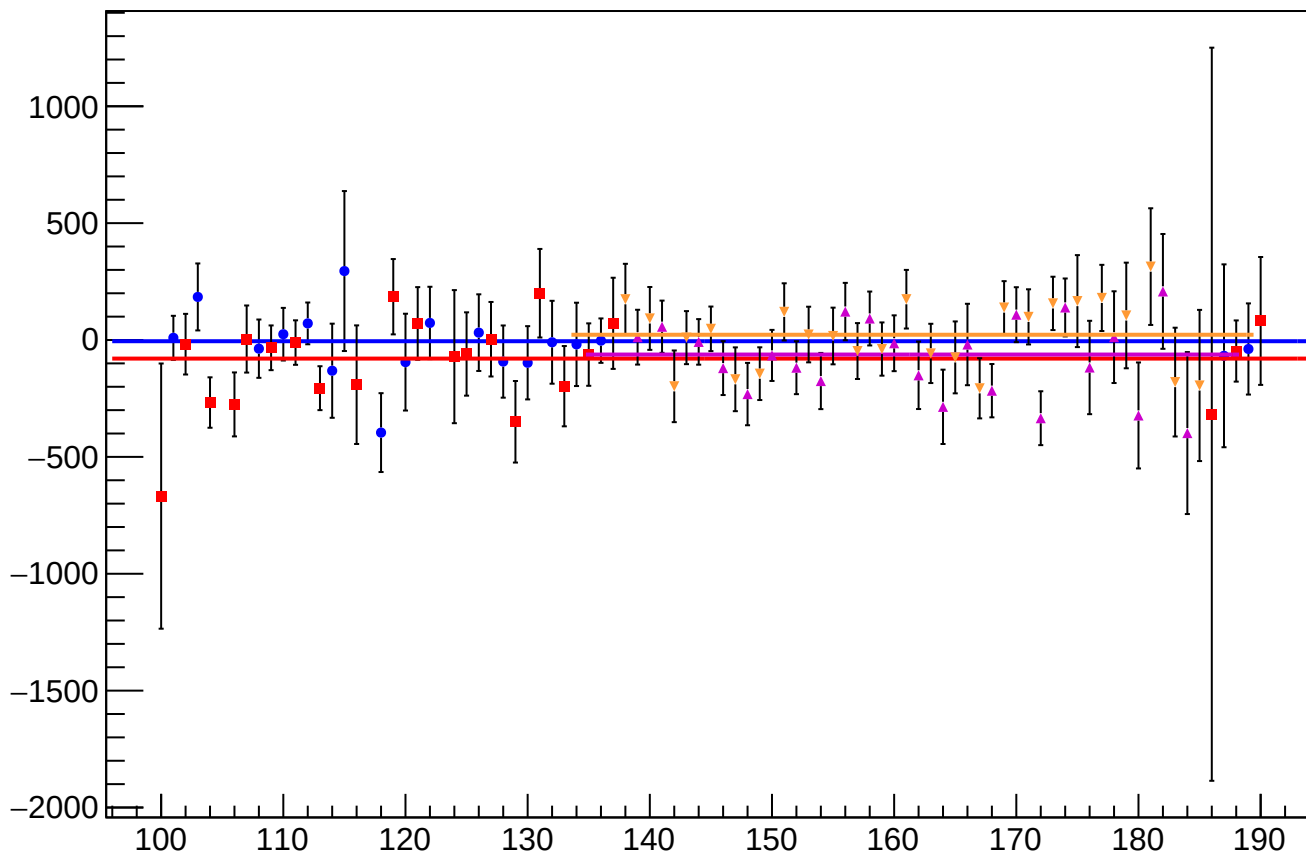
Left In: 700.079 $\pm$ 0.117 χ^2 /NDF: 584318.7/22

+ sign 688.762 $\pm$ 0.096 χ^2 /NDF: 3122348.3/42

All: 684.761 $\pm$ 0.068 χ^2 /NDF: 7481154.5/87

- sign 680.784 $\pm$ 0.096 χ^2 /NDF: 4355360.9/44

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -5.128 ± 33.517 $\chi^2/\text{NDF}: 10.4/17$

Left Out: 22.544 ± 26.643 $\chi^2/\text{NDF}: 21.6/24$

Right Out: -79.474 ± 31.447 $\chi^2/\text{NDF}: 19.5/21$

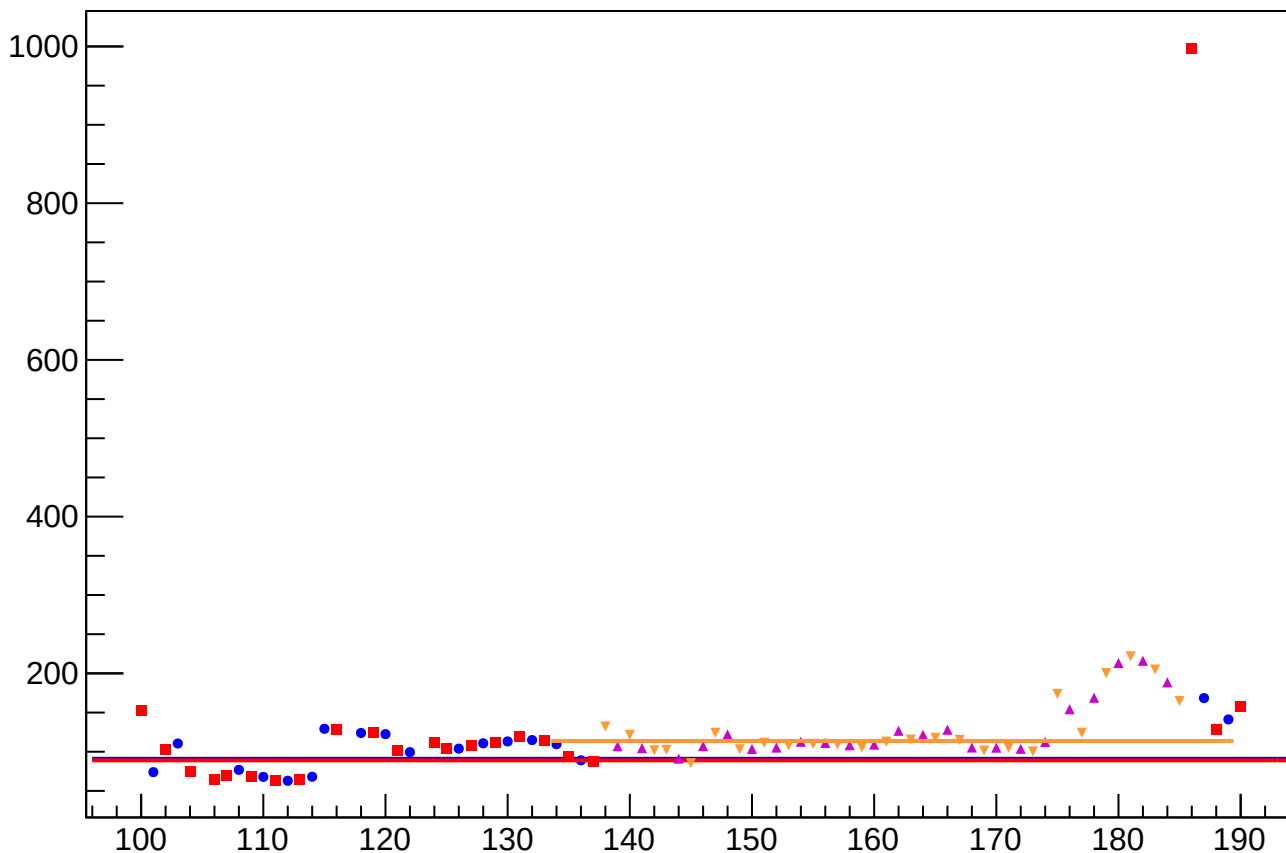
Left In: -62.169 ± 27.339 $\chi^2/\text{NDF}: 27.3/22$

+ sign 11.829 ± 20.856 $\chi^2/\text{NDF}: 32.4/42$

All: -29.335 ± 14.668 $\chi^2/\text{NDF}: 87.1/87$

- sign -69.618 ± 20.632 $\chi^2/\text{NDF}: 47.0/44$

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 90.945 $\pm$ 0.024 χ^2 /NDF: 943702.3/17

Left Out: 113.766 $\pm$ 0.019 χ^2 /NDF: 1579910.8/24

Right Out: 89.003 $\pm$ 0.022 χ^2 /NDF: 1882124.4/21

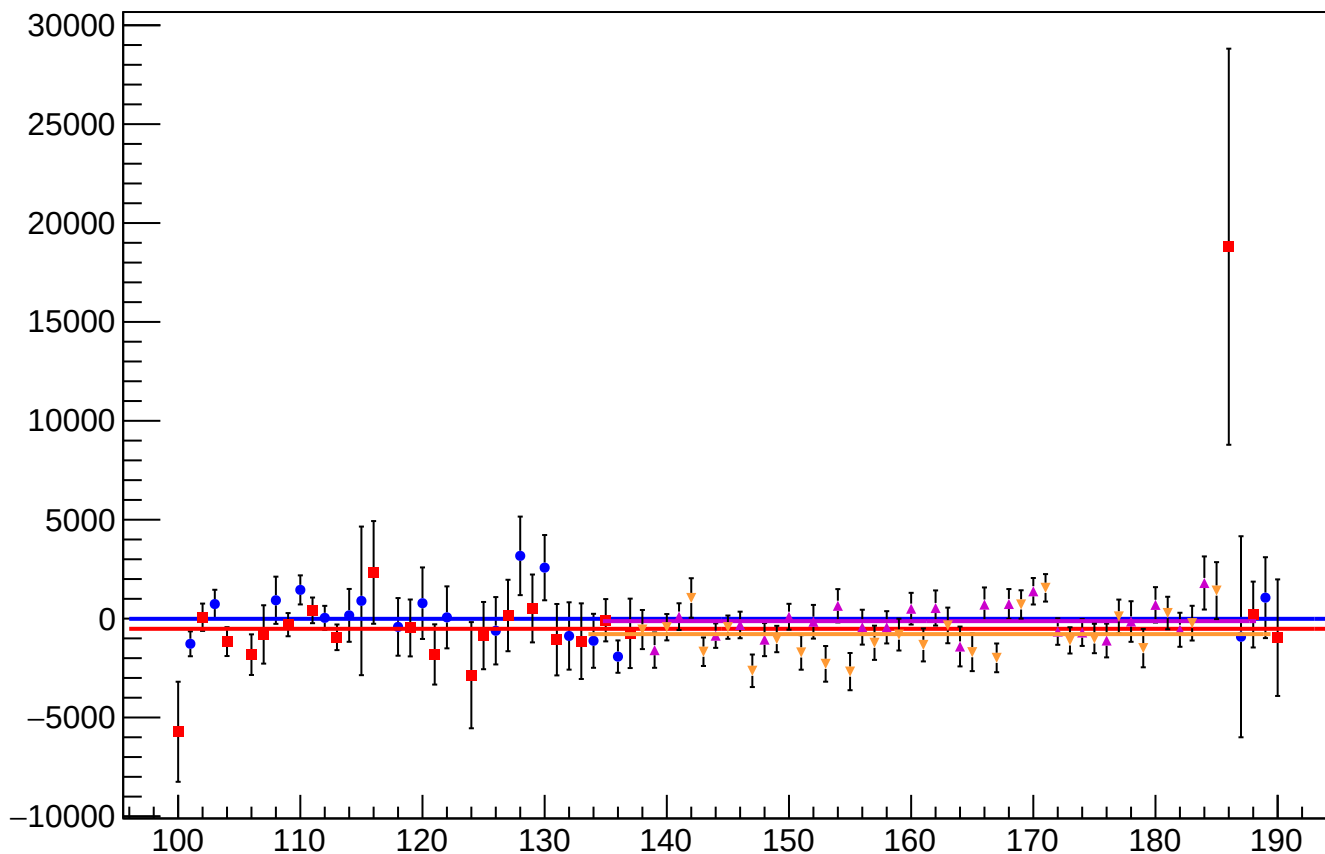
Left In: 113.677 $\pm$ 0.019 χ^2 /NDF: 1316023.5/22

+ sign 104.930 $\pm$ 0.015 χ^2 /NDF: 3091785.9/42

All: 103.983 $\pm$ 0.010 χ^2 /NDF: 6999352.5/87

- sign 103.056 $\pm$ 0.015 χ^2 /NDF: 3899408.5/44

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



Right In: -10.921 $\pm$ 257.010 χ^2/NDF : 21.9/17

Left Out: -784.284 $\pm$ 160.482 χ^2/NDF : 45.4/24

Right Out: -516.283 $\pm$ 237.898 χ^2/NDF : 17.6/21

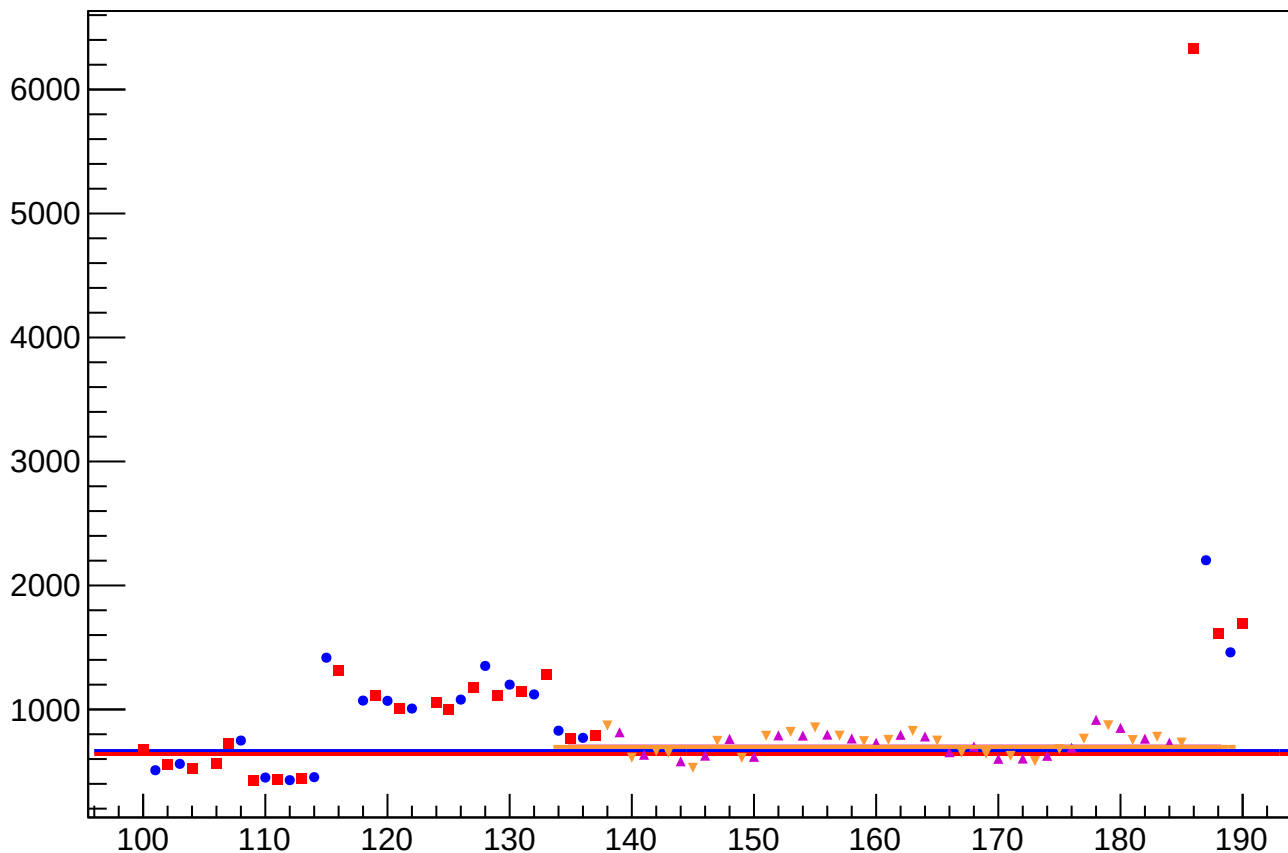
Left In: -128.154 $\pm$ 165.255 χ^2/NDF : 22.7/22

+ sign -567.339 $\pm$ 136.124 χ^2/NDF : 73.8/42

All: -410.449 $\pm$ 96.112 χ^2/NDF : 118.5/87

- sign -254.482 $\pm$ 135.723 χ^2/NDF : 42.1/44

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 664.460 $\pm$ 0.182 χ^2 /NDF: 2382812.8/17

Left Out: 698.236 $\pm$ 0.113 χ^2 /NDF: 714685.1/24

Right Out: 640.795 $\pm$ 0.168 χ^2 /NDF: 3687268.4/21

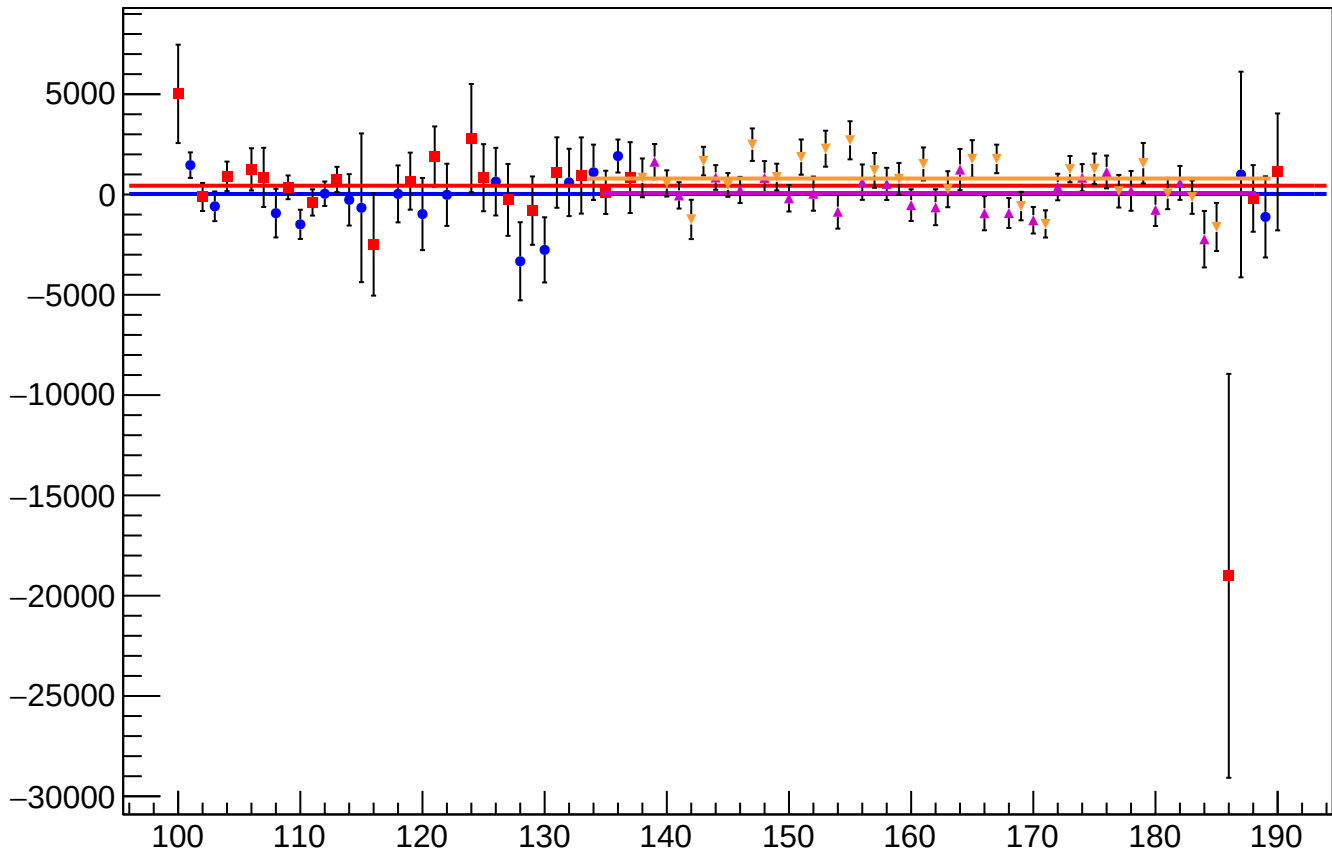
Left In: 700.079 $\pm$ 0.117 χ^2 /NDF: 584314.1/22

+ sign 688.761 $\pm$ 0.096 χ^2 /NDF: 3122350.7/42

All: 684.760 $\pm$ 0.068 χ^2 /NDF: 7481153.1/87

- sign 680.783 $\pm$ 0.096 χ^2 /NDF: 4355357.2/44

asym_sam_1548_avg_mean vs Slug



Right In: 26.767 ± 257.354 χ^2/NDF : 23.6/17

Left Out: 796.905 ± 158.142 χ^2/NDF : 46.4/24

Right Out: 438.287 ± 237.752 χ^2/NDF : 15.2/21

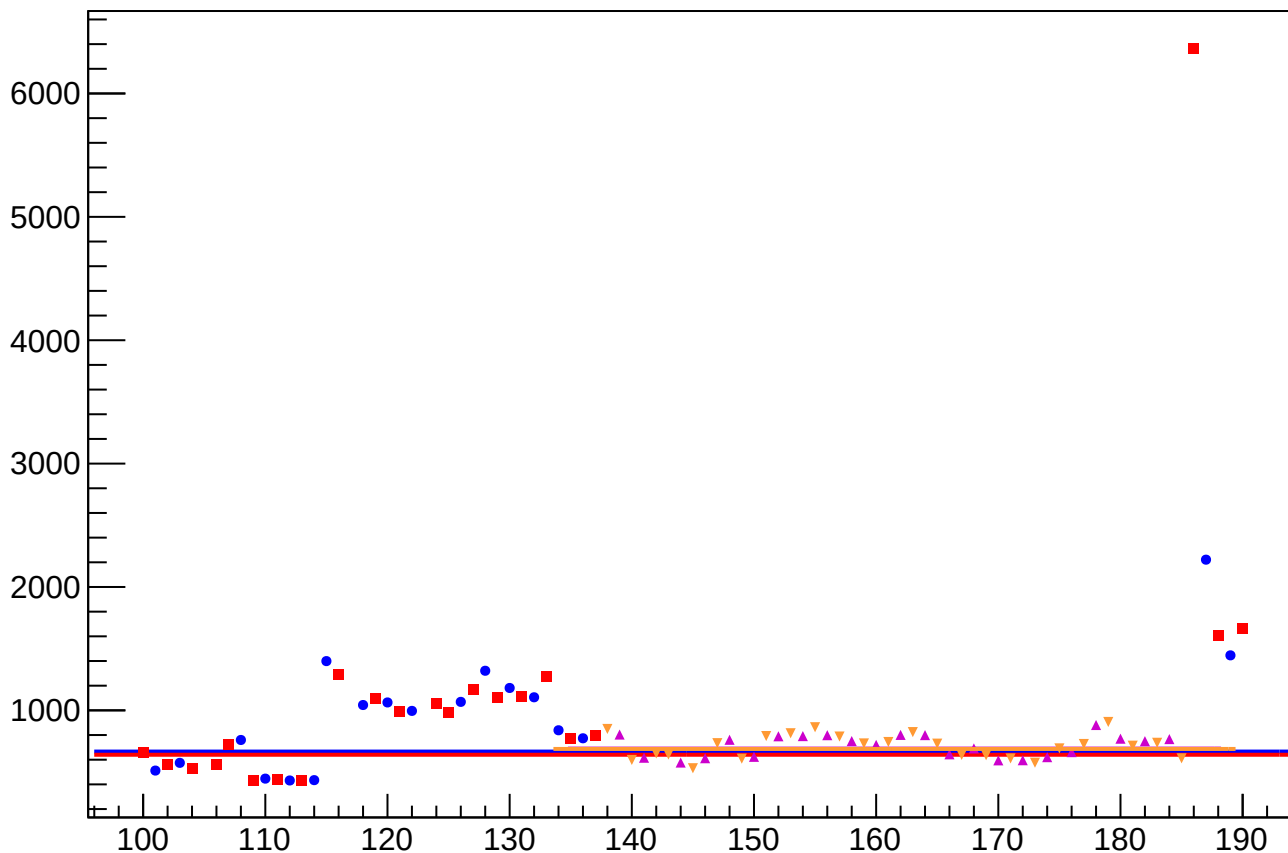
Left In: 73.501 ± 162.879 χ^2/NDF : 24.9/22

+ sign 585.810 ± 134.736 χ^2/NDF : 76.5/42

All: 387.378 ± 95.144 χ^2/NDF : 122.5/87

- sign 190.021 ± 134.371 χ^2/NDF : 41.7/44

asym_sam_1548_avg_rms vs Slug



Right In: 665.957 $\pm$ 0.182 χ^2 /NDF: 2335833.3/17

Left Out: 687.243 $\pm$ 0.112 χ^2 /NDF: 727994.0/24

Right Out: 640.209 $\pm$ 0.168 χ^2 /NDF: 3648117.5/21

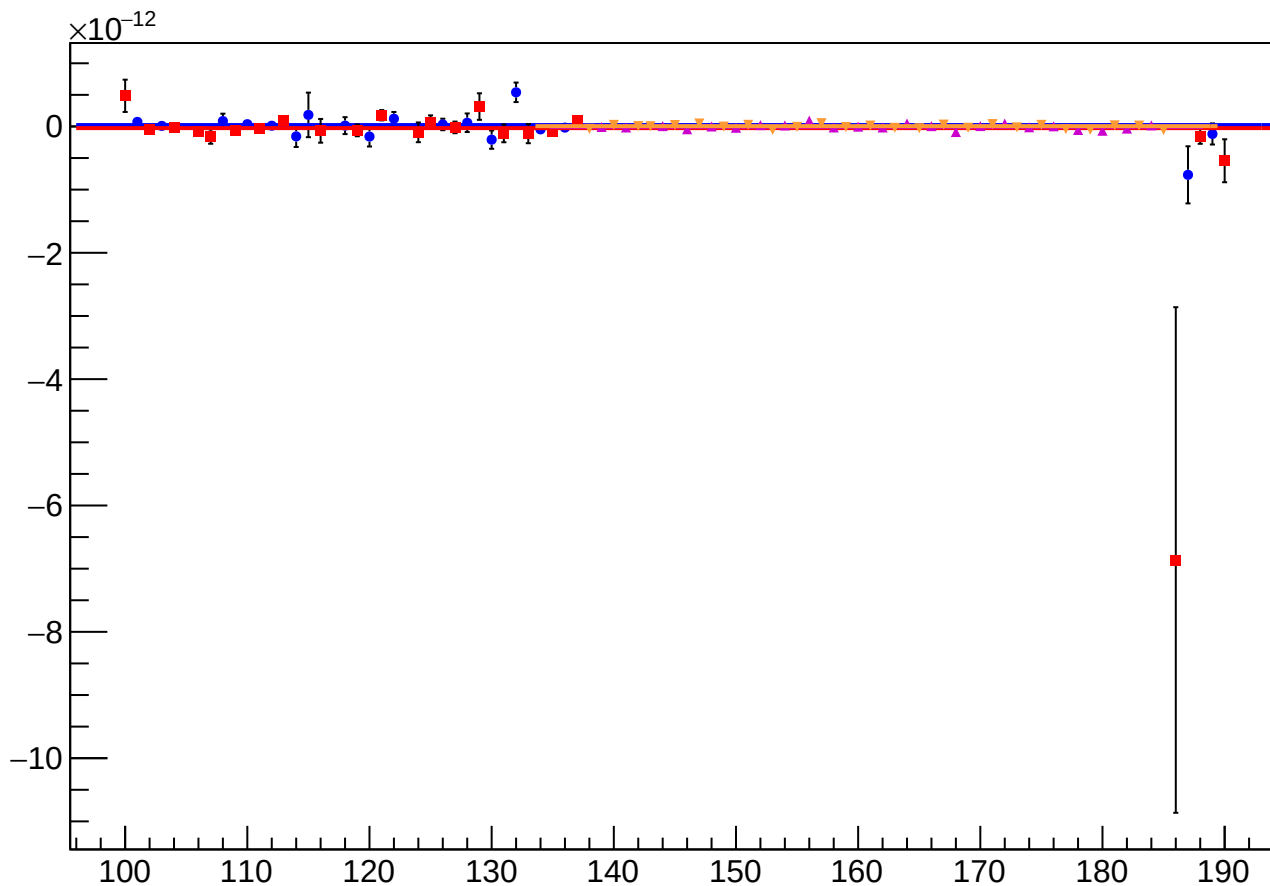
Left In: 689.997 $\pm$ 0.115 χ^2 /NDF: 567089.0/22

+ sign 681.408 $\pm$ 0.095 χ^2 /NDF: 3073759.4/42

All: 677.741 $\pm$ 0.067 χ^2 /NDF: 7351611.4/87

- sign 674.094 $\pm$ 0.095 χ^2 /NDF: 4274896.8/44

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 27.4/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:22.0/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 32.2/21

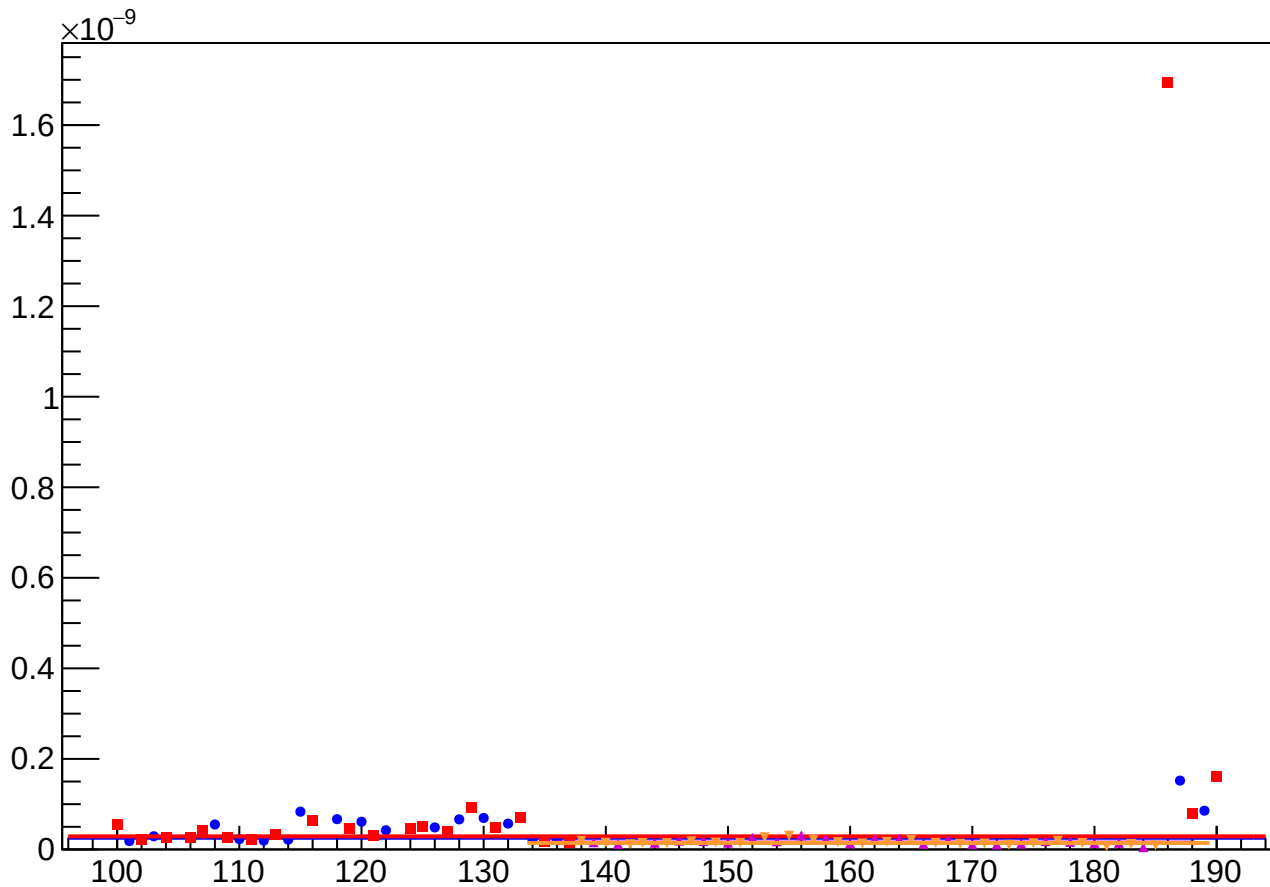
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:26.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 50.5/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 114.5/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 60.1/44

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1728769.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2025203.2/21

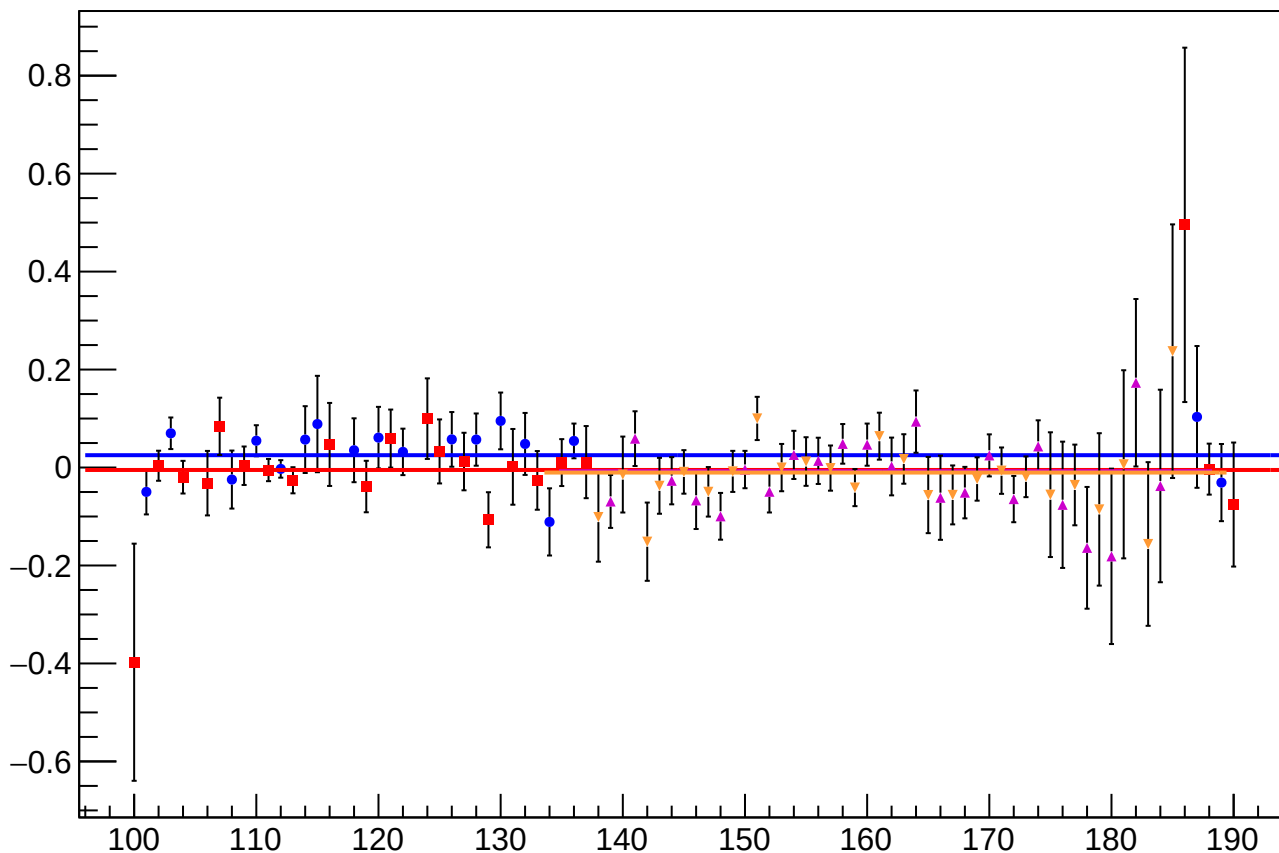
Left In: 0.000+/-0.000 χ^2/NDF : 1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 3747097.2/42

All: 0.000+/-0.000 χ^2/NDF : 8193430.4/87

- sign 0.000+/-0.000 χ^2/NDF : 4398961.1/44

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.025 $\pm$ 0.010 χ^2 /NDF: 17.3/17

Left Out: -0.010 $\pm$ 0.011 χ^2 /NDF: 18.1/24

Right Out: -0.005 $\pm$ 0.010 χ^2 /NDF: 15.8/21

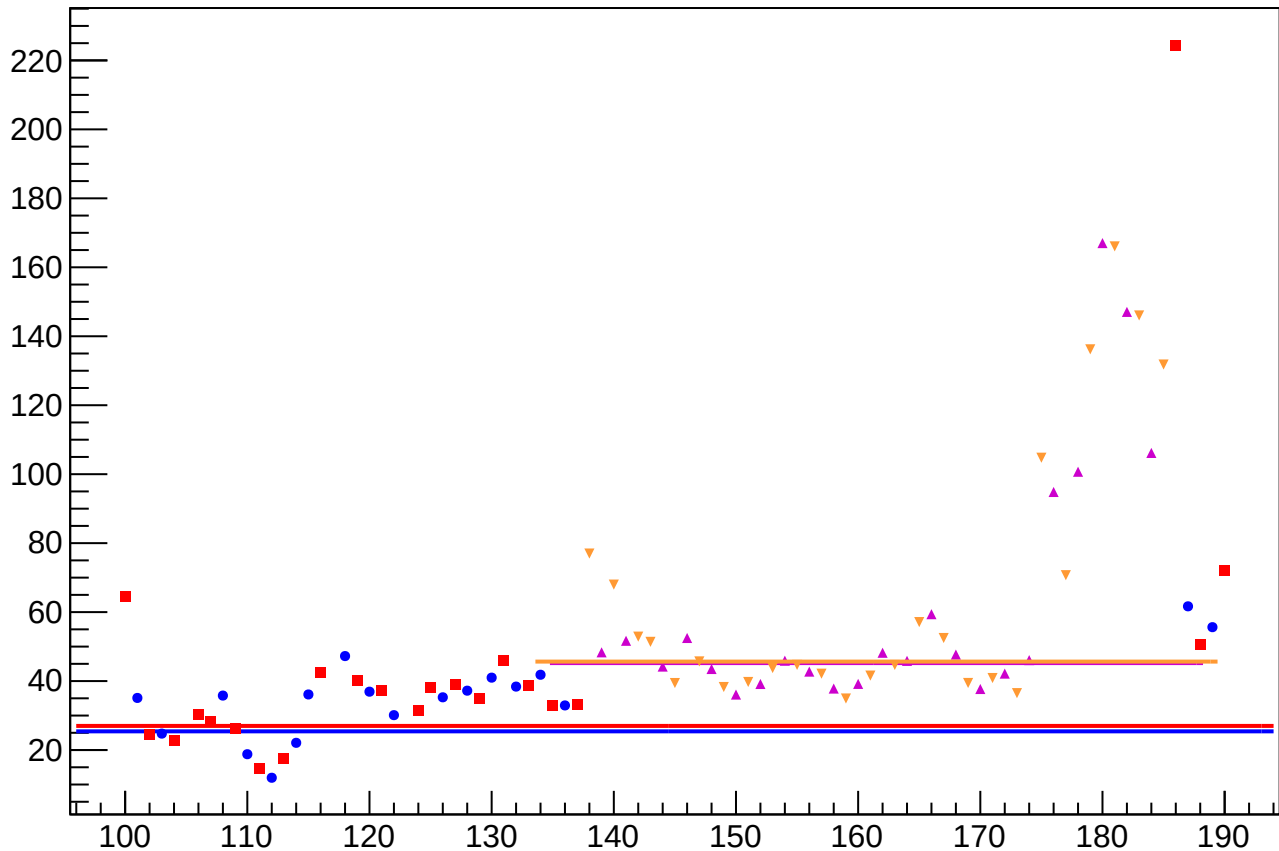
Left In: -0.008 $\pm$ 0.011 χ^2 /NDF: 23.3/22

+ sign 0.009 $\pm$ 0.008 χ^2 /NDF: 40.8/42

All: 0.002 $\pm$ 0.005 χ^2 /NDF: 82.0/87

- sign -0.006 $\pm$ 0.008 χ^2 /NDF: 39.2/44

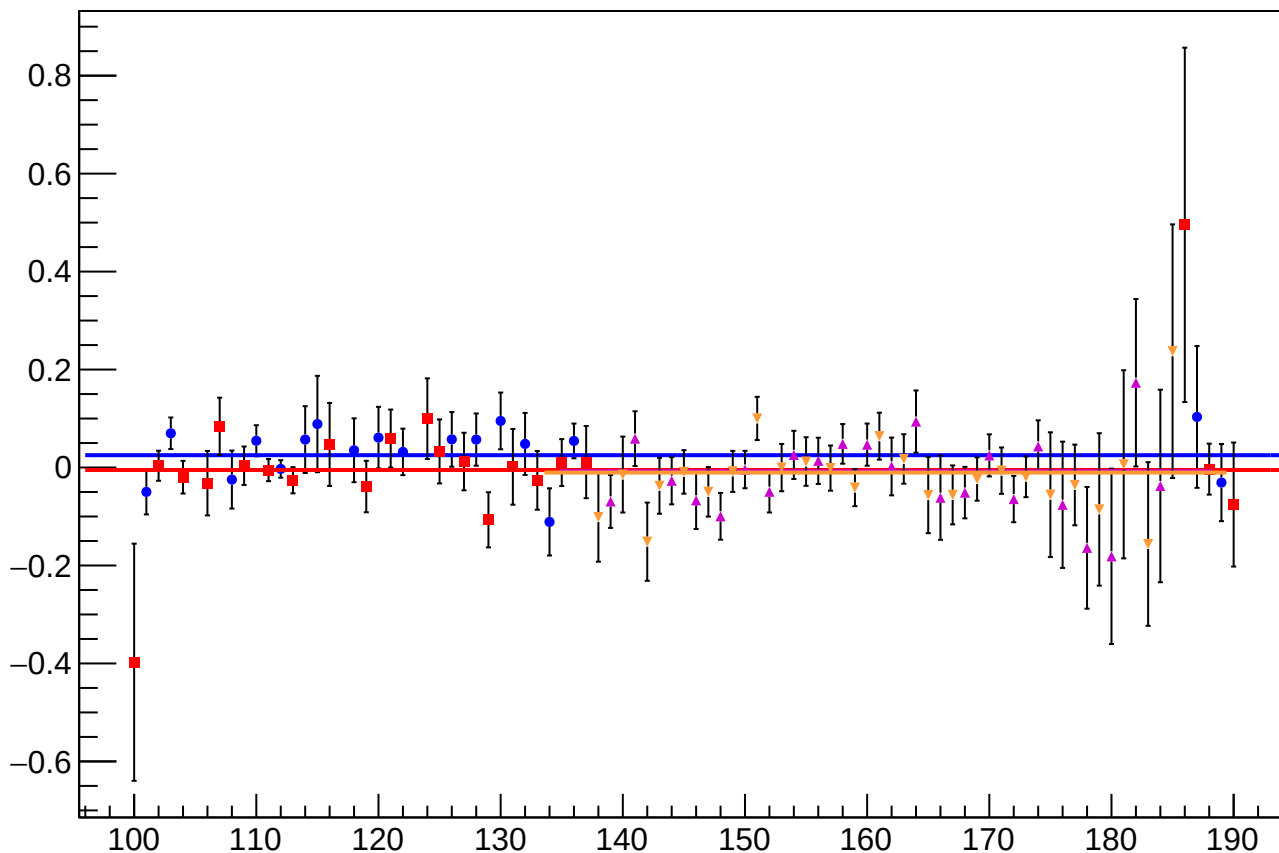
asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 25.420 $\pm$ 0.007 χ^2/NDF : 2724335.9/17
 Left Out: 45.650 $\pm$ 0.008 χ^2/NDF : 4015230.2/24
 Right Out: 26.996 $\pm$ 0.007 χ^2/NDF : 2905493.7/21
 Left In: 45.217 $\pm$ 0.008 χ^2/NDF : 2992534.4/22

+ sign 34.567 $\pm$ 0.005 χ^2/NDF : 10266974.2/42
 All: 34.788 $\pm$ 0.004 χ^2/NDF : 19023079.3/87
 - sign 35.008 $\pm$ 0.005 χ^2/NDF : 8752712.6/44

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025 ± 0.010 $\chi^2/\text{NDF}: 17.3/17$

Left Out: -0.010 ± 0.011 $\chi^2/\text{NDF}: 18.1/24$

Right Out: -0.005 ± 0.010 $\chi^2/\text{NDF}: 15.8/21$

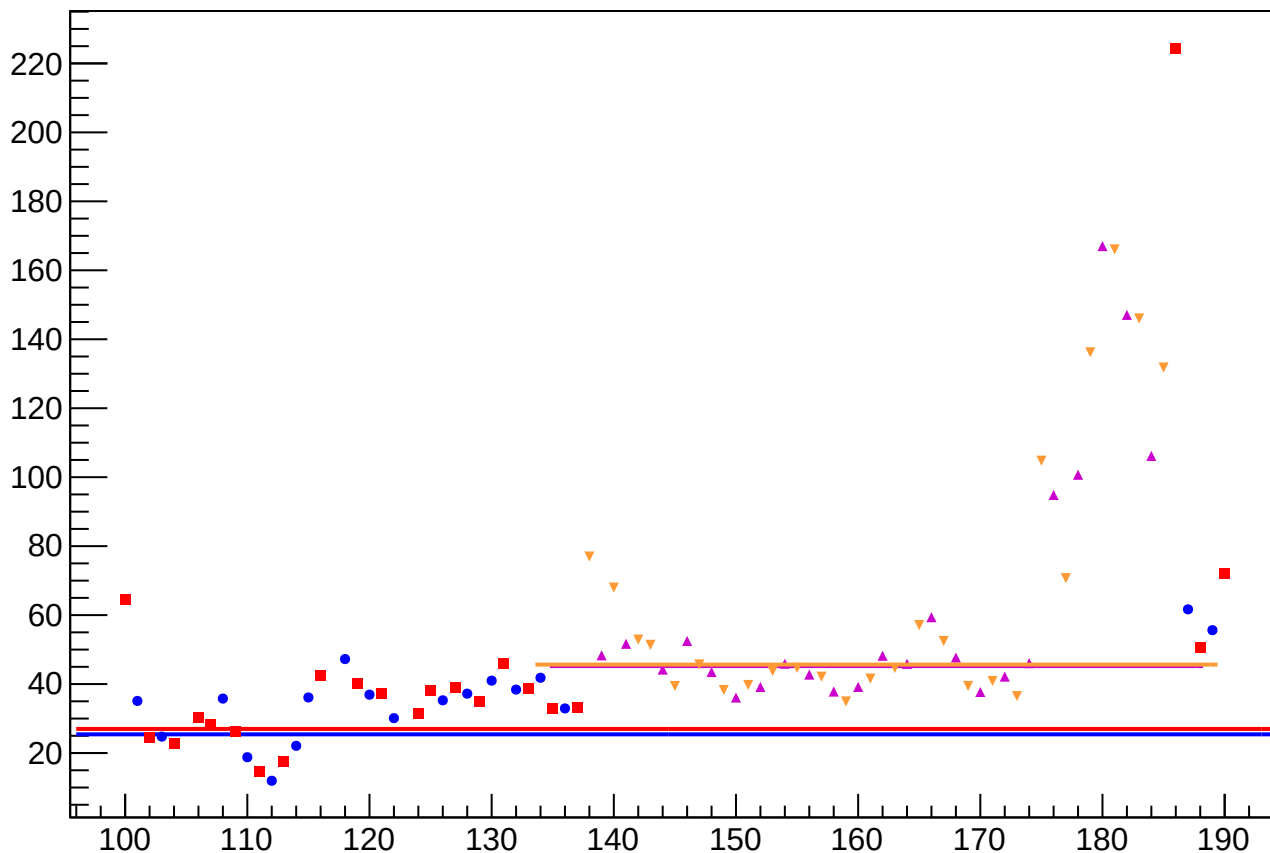
Left In: -0.008 ± 0.011 $\chi^2/\text{NDF}: 23.3/22$

+ sign 0.009 ± 0.008 $\chi^2/\text{NDF}: 40.8/42$

All: 0.002 ± 0.005 $\chi^2/\text{NDF}: 82.0/87$

- sign -0.006 ± 0.008 $\chi^2/\text{NDF}: 39.2/44$

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.420 $\pm$ 0.007 χ^2 /NDF: 2724335.9/17

Left Out: 45.650 $\pm$ 0.008 χ^2 /NDF: 4015230.2/24

Right Out: 26.996 $\pm$ 0.007 χ^2 /NDF: 2905493.7/21

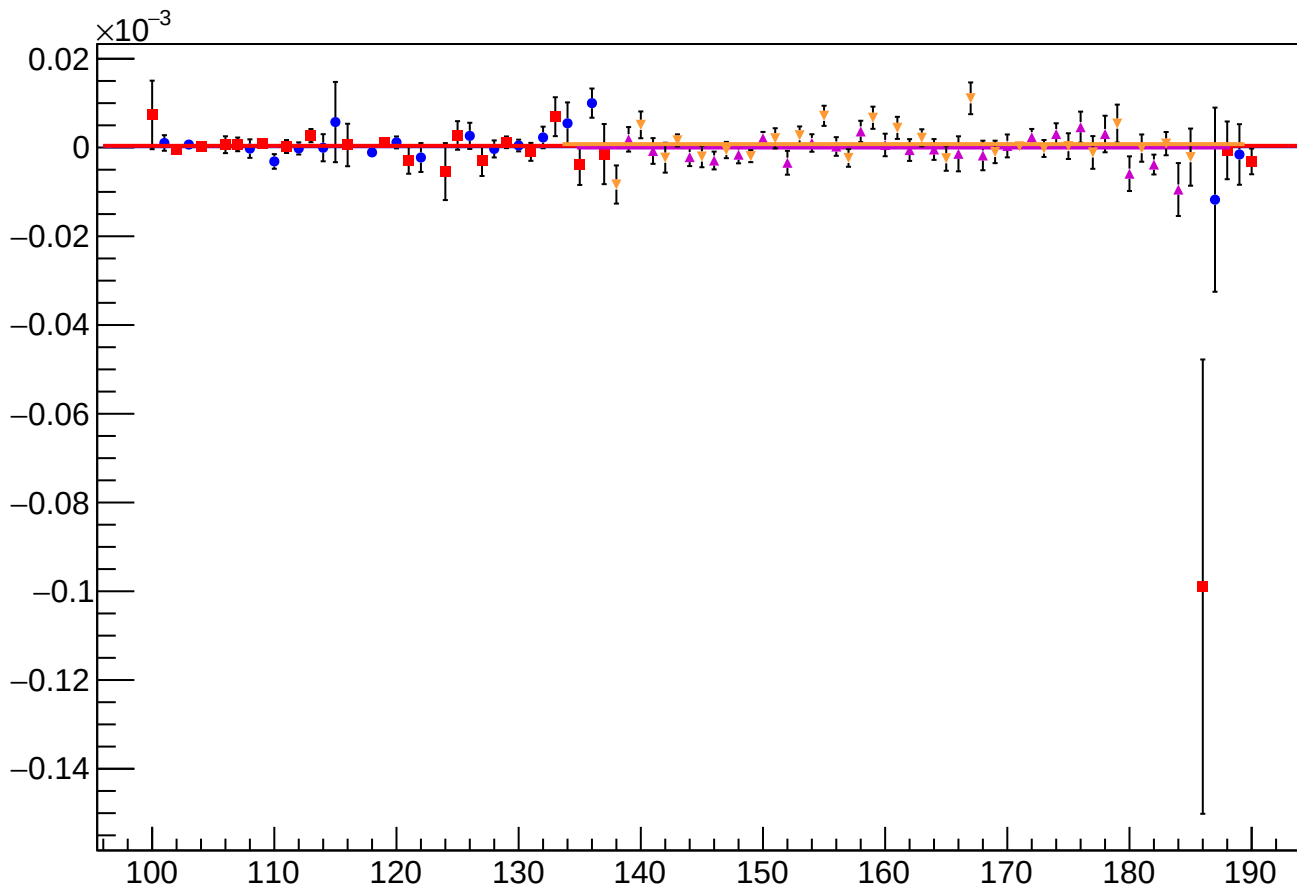
Left In: 45.217 $\pm$ 0.008 χ^2 /NDF: 2992534.4/22

+ sign 34.567 $\pm$ 0.005 χ^2 /NDF: 10266974.2/42

All: 34.788 $\pm$ 0.004 χ^2 /NDF: 19023079.3/87

- sign 35.008 $\pm$ 0.005 χ^2 /NDF: 8752712.6/44

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 46.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 18.0/21

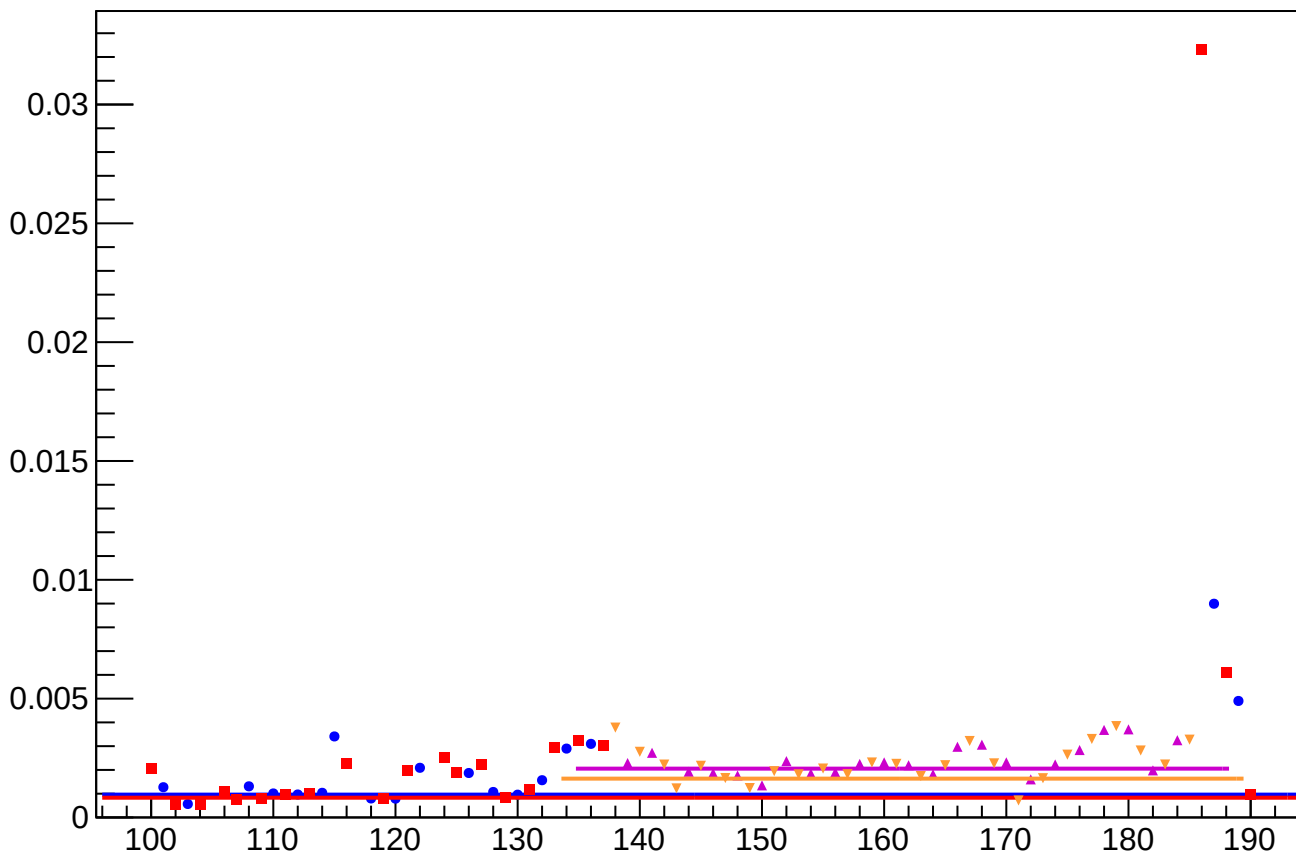
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 66.6/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 109.8/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.8/44

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 3636890.3/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 6495366.7/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 5316363.3/21

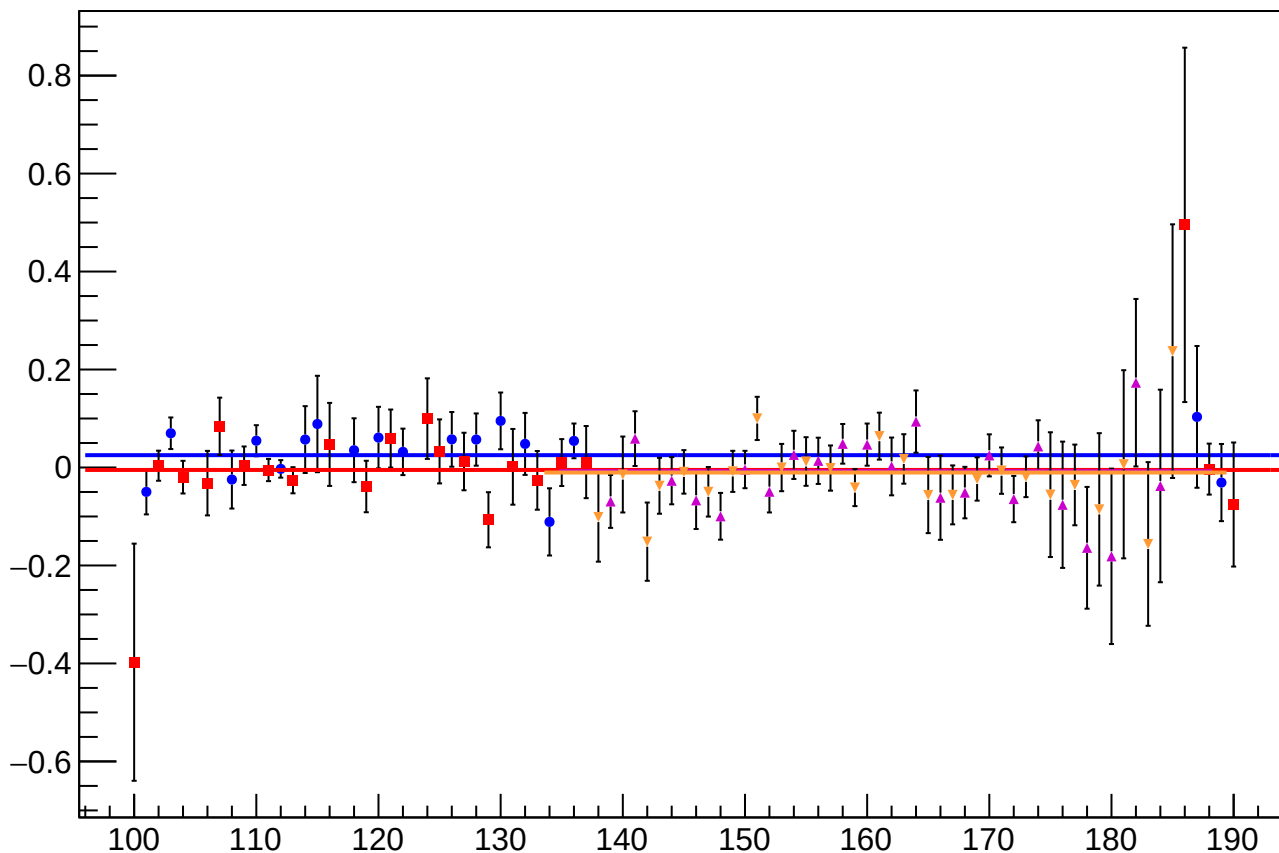
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2093048.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 12881124.8/42

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 28553045.3/87

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 15603840.4/44

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.025 ± 0.010 χ^2/NDF : 17.3/17

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.005 ± 0.010 χ^2/NDF : 15.8/21

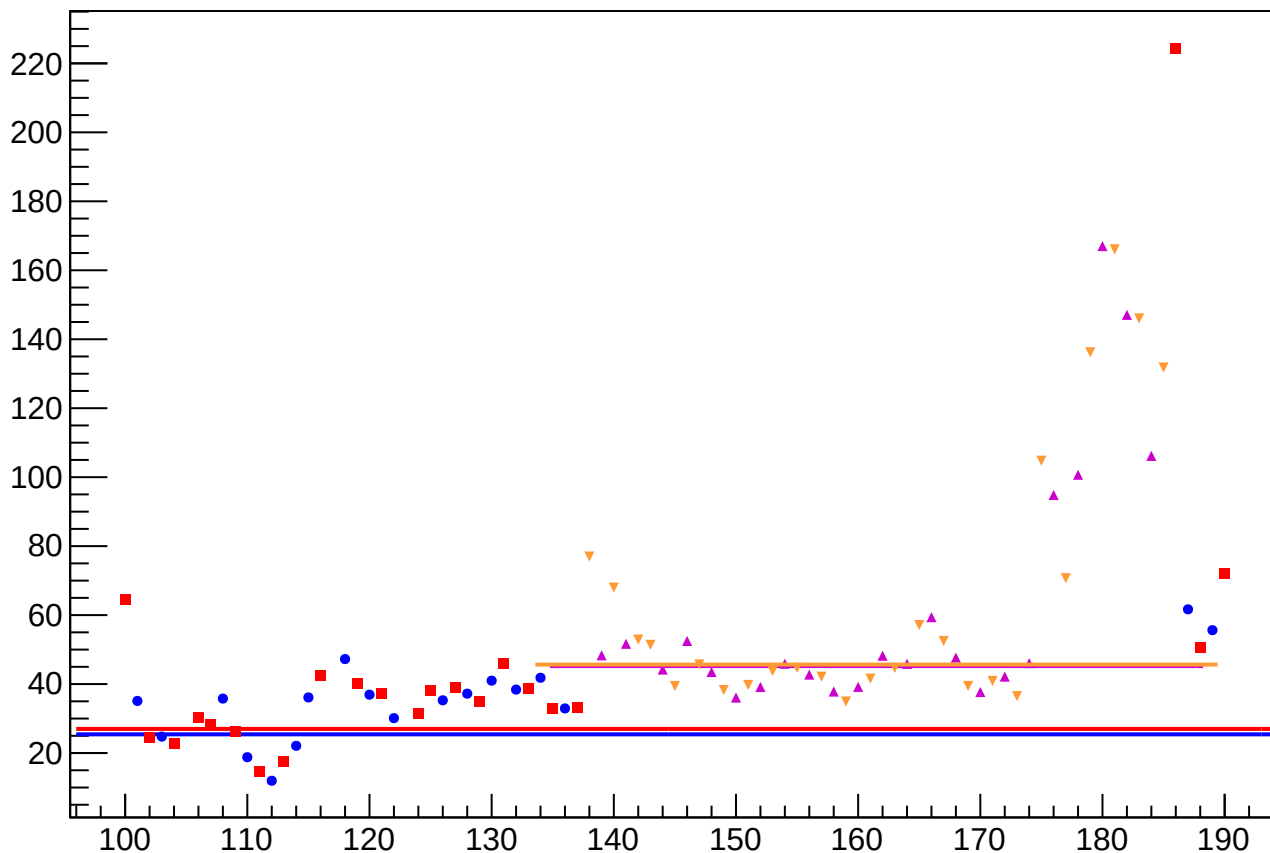
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign 0.009 ± 0.008 χ^2/NDF : 40.8/42

All: 0.002 ± 0.005 χ^2/NDF : 82.0/87

- sign -0.006 ± 0.008 χ^2/NDF : 39.2/44

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.420 $\pm$ 0.007 χ^2 /NDF: 2724518.0/17

Left Out: 45.651 $\pm$ 0.008 χ^2 /NDF: 4015154.4/24

Right Out: 26.996 $\pm$ 0.007 χ^2 /NDF: 2905656.3/21

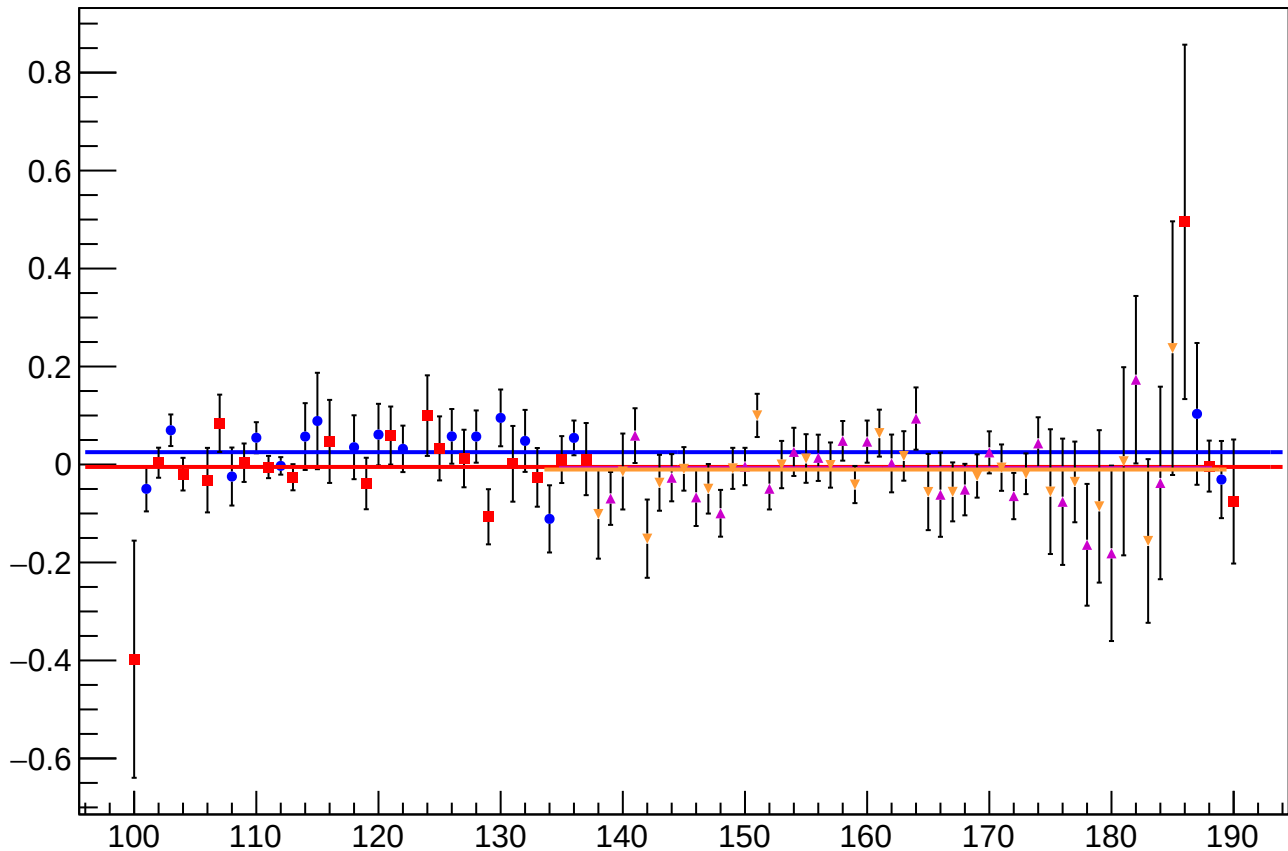
Left In: 45.218 $\pm$ 0.008 χ^2 /NDF: 2992449.1/22

+ sign 34.567 $\pm$ 0.005 χ^2 /NDF: 10267433.1/42

All: 34.788 $\pm$ 0.004 χ^2 /NDF: 19023882.8/87

- sign 35.008 $\pm$ 0.005 χ^2 /NDF: 8753054.8/44

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025 ± 0.010 χ^2/NDF : 17.3/17

Left Out: -0.010 ± 0.011 χ^2/NDF : 18.1/24

Right Out: -0.005 ± 0.010 χ^2/NDF : 15.8/21

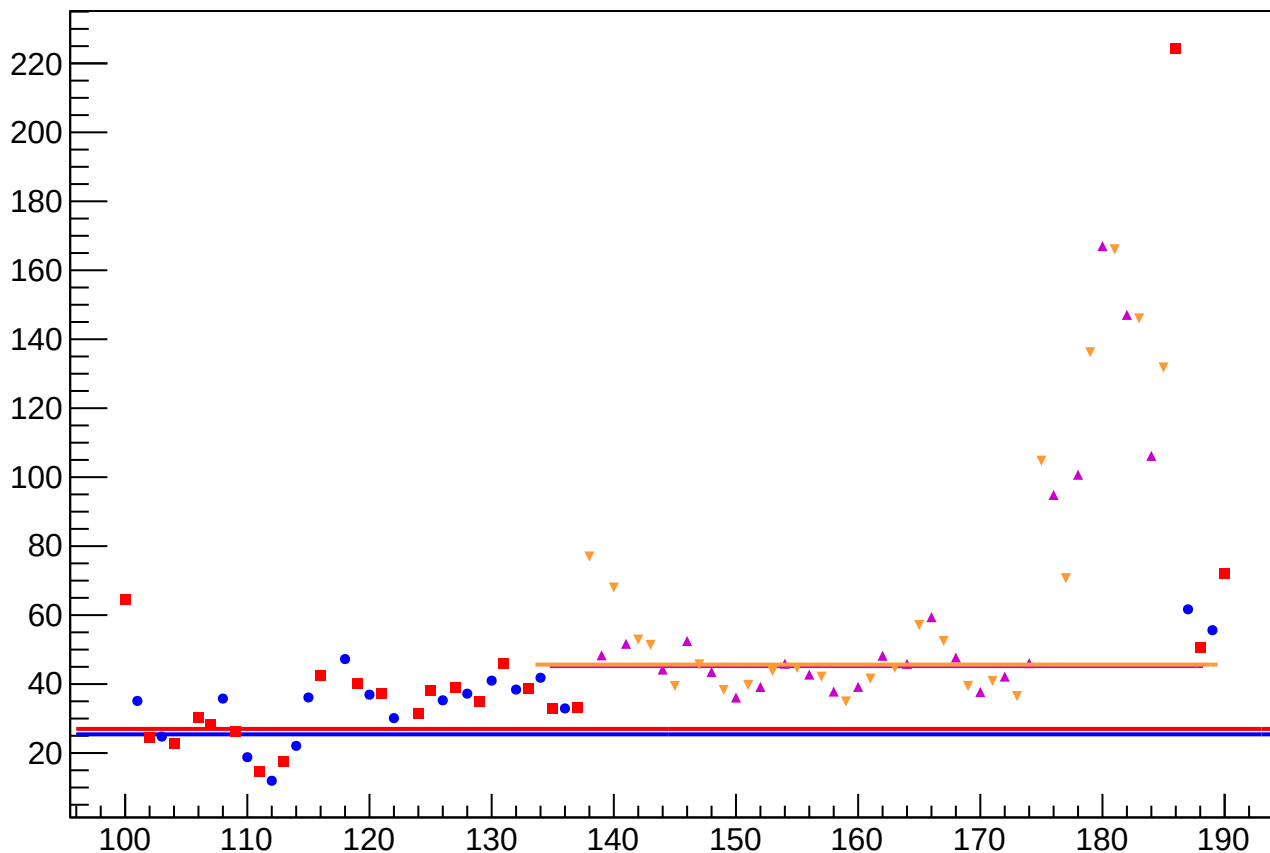
Left In: -0.008 ± 0.011 χ^2/NDF : 23.3/22

+ sign 0.009 ± 0.008 χ^2/NDF : 40.8/42

All: 0.002 ± 0.005 χ^2/NDF : 82.0/87

- sign -0.006 ± 0.008 χ^2/NDF : 39.2/44

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.420 $\pm$ 0.007 χ^2 /NDF: 2724518.0/17

Left Out: 45.651 $\pm$ 0.008 χ^2 /NDF: 4015154.4/24

Right Out: 26.996 $\pm$ 0.007 χ^2 /NDF: 2905656.3/21

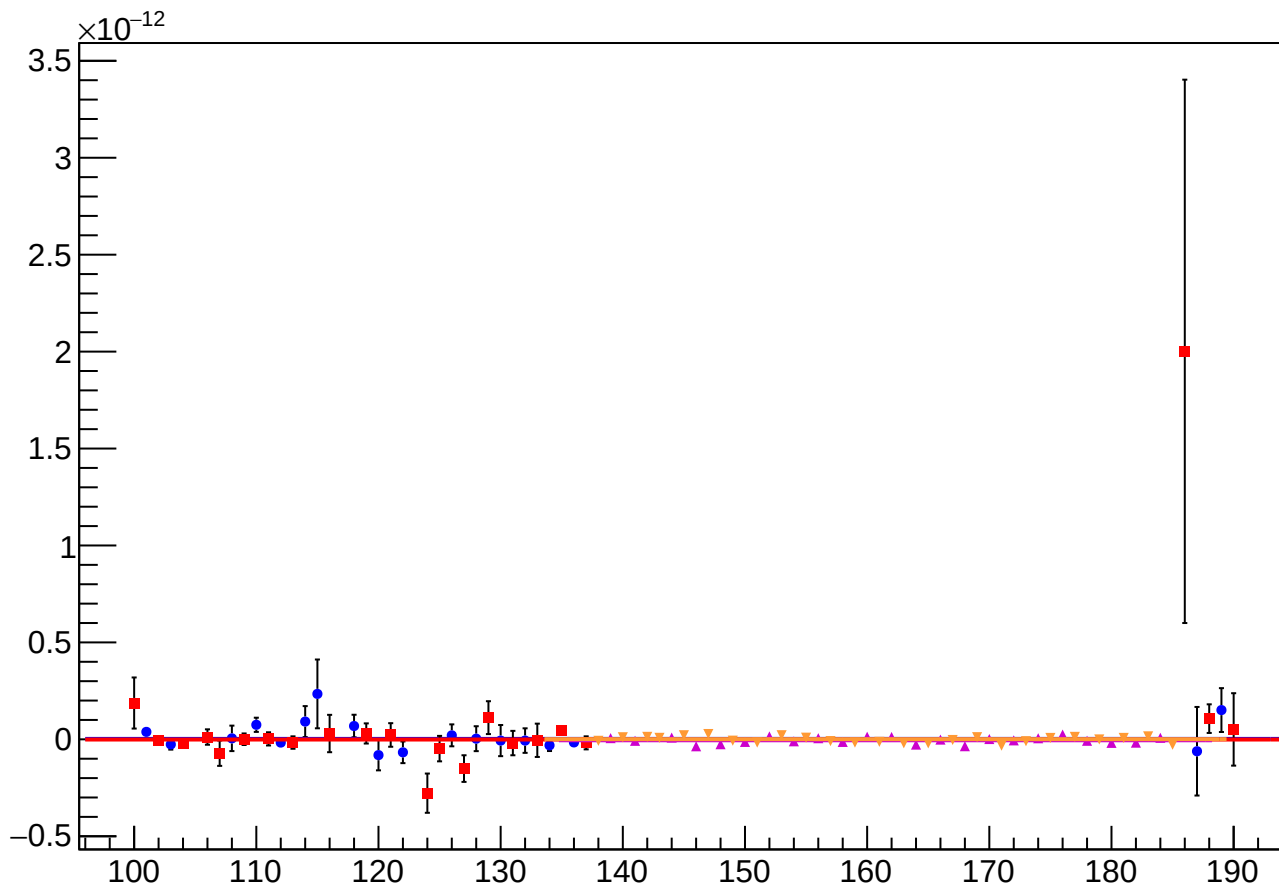
Left In: 45.218 $\pm$ 0.008 χ^2 /NDF: 2992449.1/22

+ sign 34.567 $\pm$ 0.005 χ^2 /NDF: 10267433.1/42

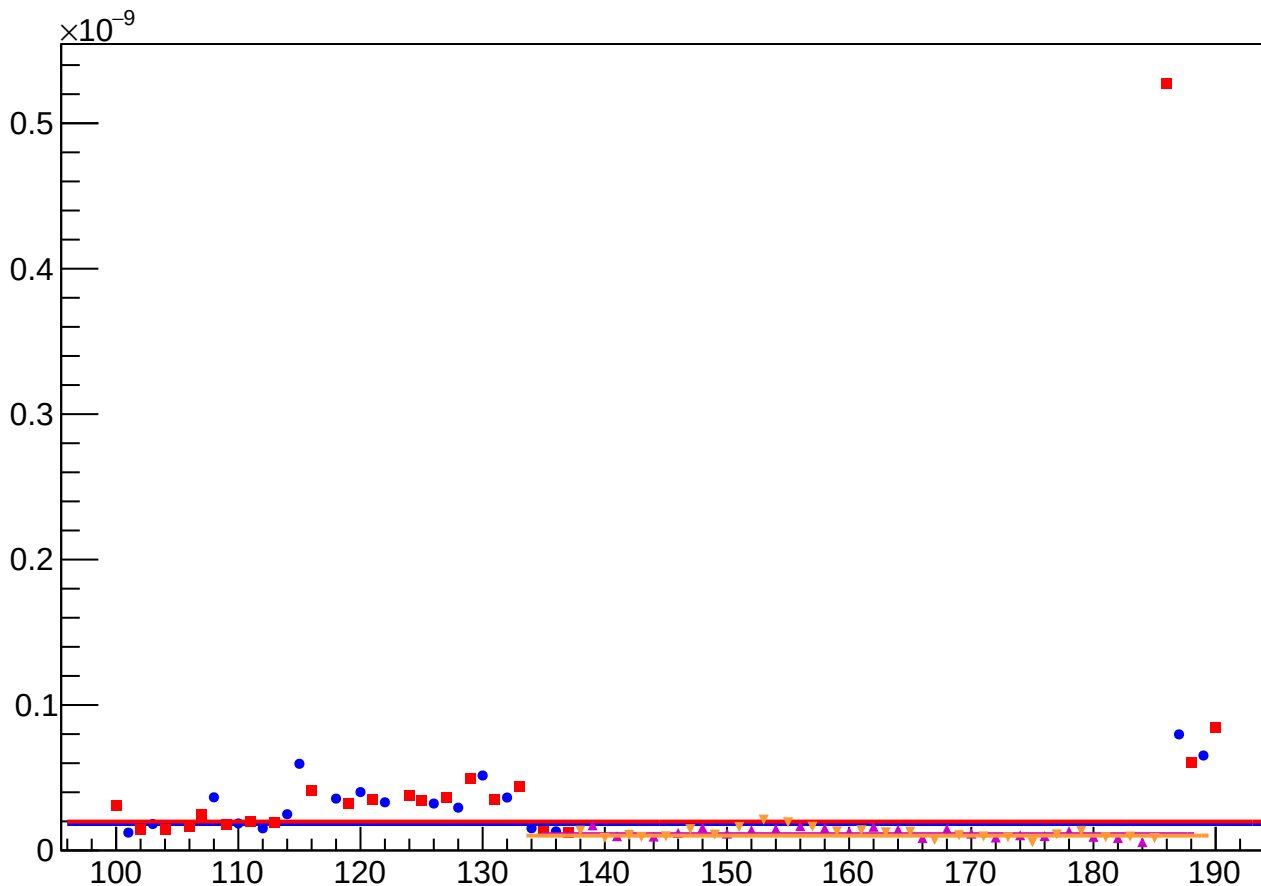
All: 34.788 $\pm$ 0.004 χ^2 /NDF: 19023882.8/87

- sign 35.008 $\pm$ 0.005 χ^2 /NDF: 8753054.8/44

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug



asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2365632.2/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2747194.5/21

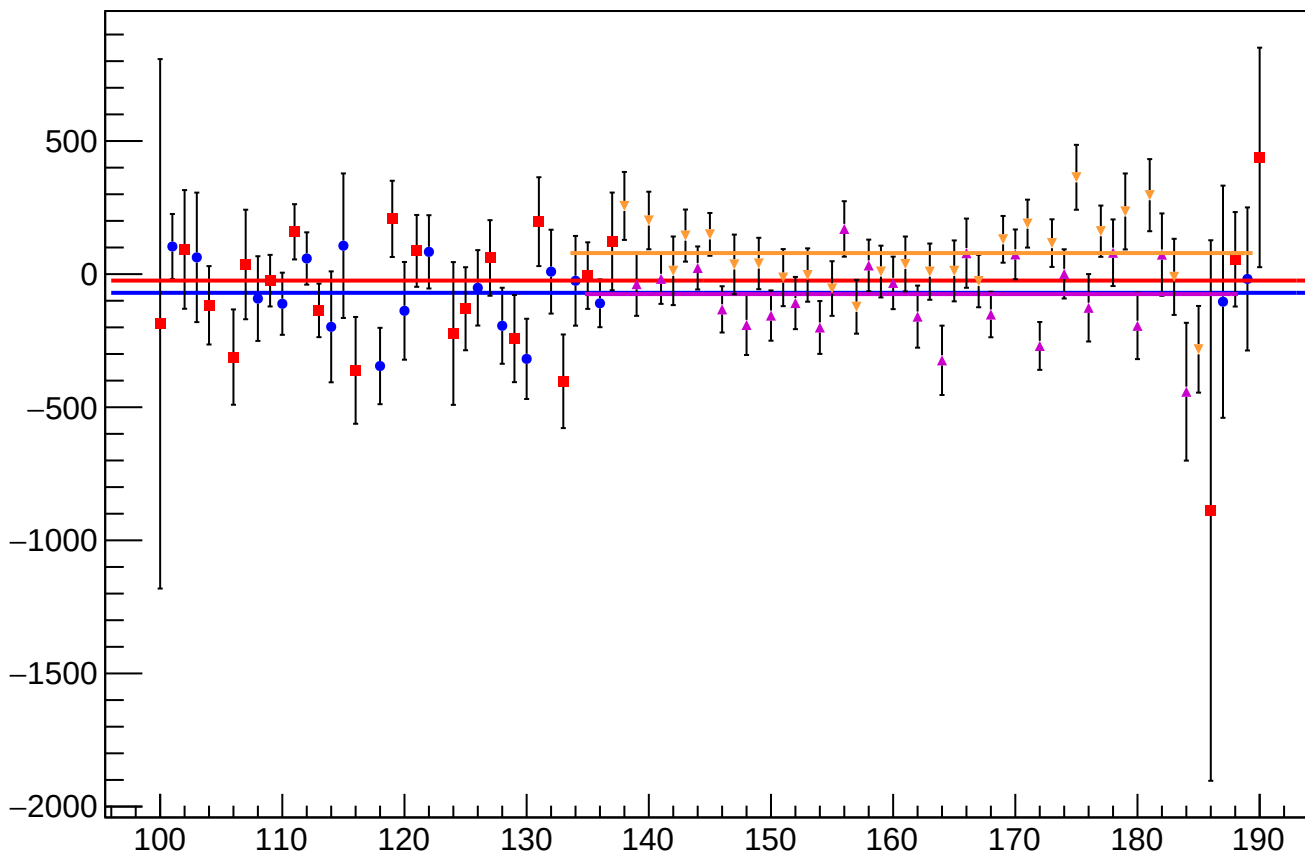
Left In: 0.000+/-0.000 χ^2/NDF : 1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 6152907.6/42

All: 0.000+/-0.000 χ^2/NDF : 12216650.1/87

- sign 0.000+/-0.000 χ^2/NDF : 5918593.8/44

reg_asym_sam_3748_avg_mean vs Slug



Right In: -70.218 ± 34.715 $\chi^2/\text{NDF}: 14.1/17$

Left Out: 79.098 ± 21.102 $\chi^2/\text{NDF}: 32.0/24$

Right Out: -24.225 ± 33.493 $\chi^2/\text{NDF}: 26.2/21$

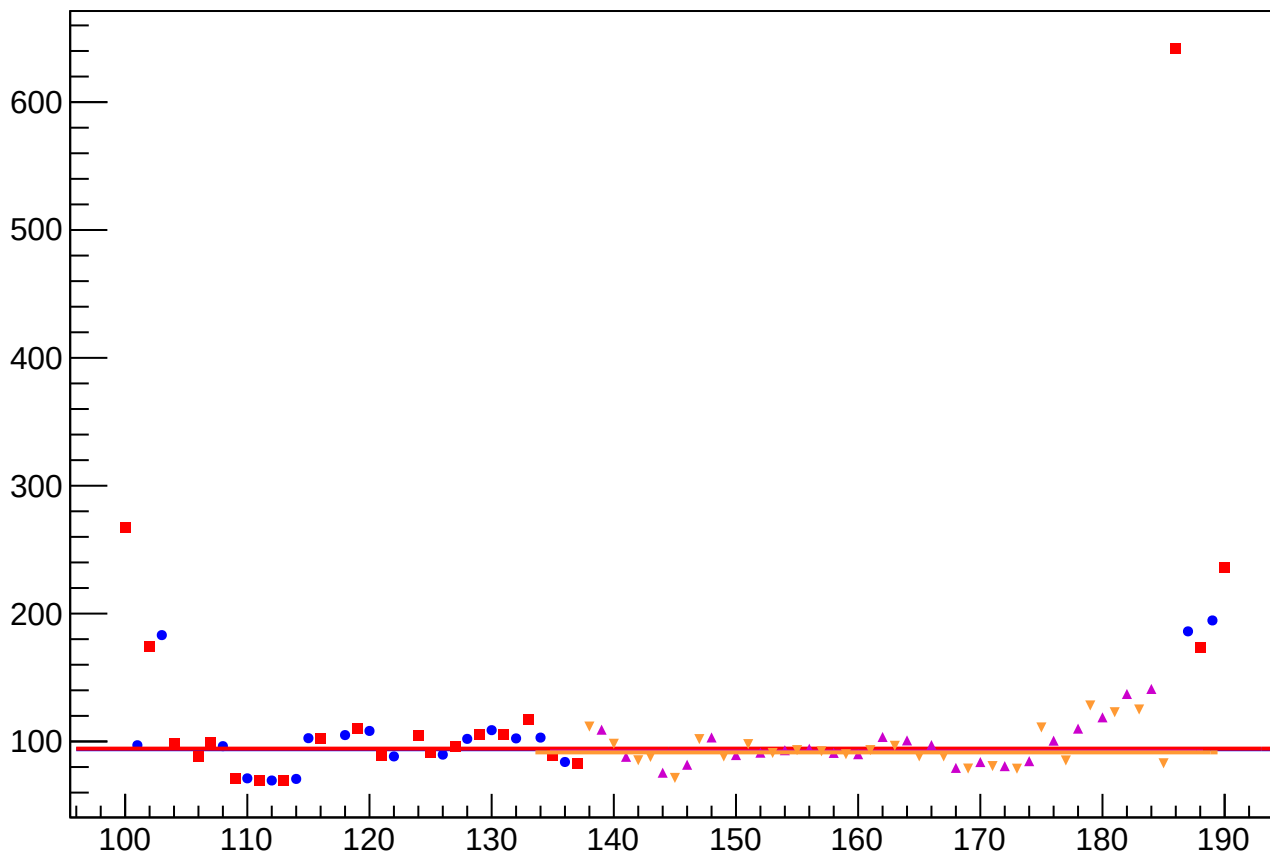
Left In: -75.048 ± 21.837 $\chi^2/\text{NDF}: 32.6/22$

+ sign 38.811 ± 18.032 $\chi^2/\text{NDF}: 59.6/42$

All: -9.831 ± 12.842 $\chi^2/\text{NDF}: 134.8/87$

- sign -59.889 ± 18.292 $\chi^2/\text{NDF}: 60.5/44$

reg_asym_sam_3748_avg_rms vs Slug



Right In: 93.927 $\pm$ 0.025 χ^2 /NDF: 959708.4/17

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 94.388 $\pm$ 0.024 χ^2 /NDF: 1993314.8/21

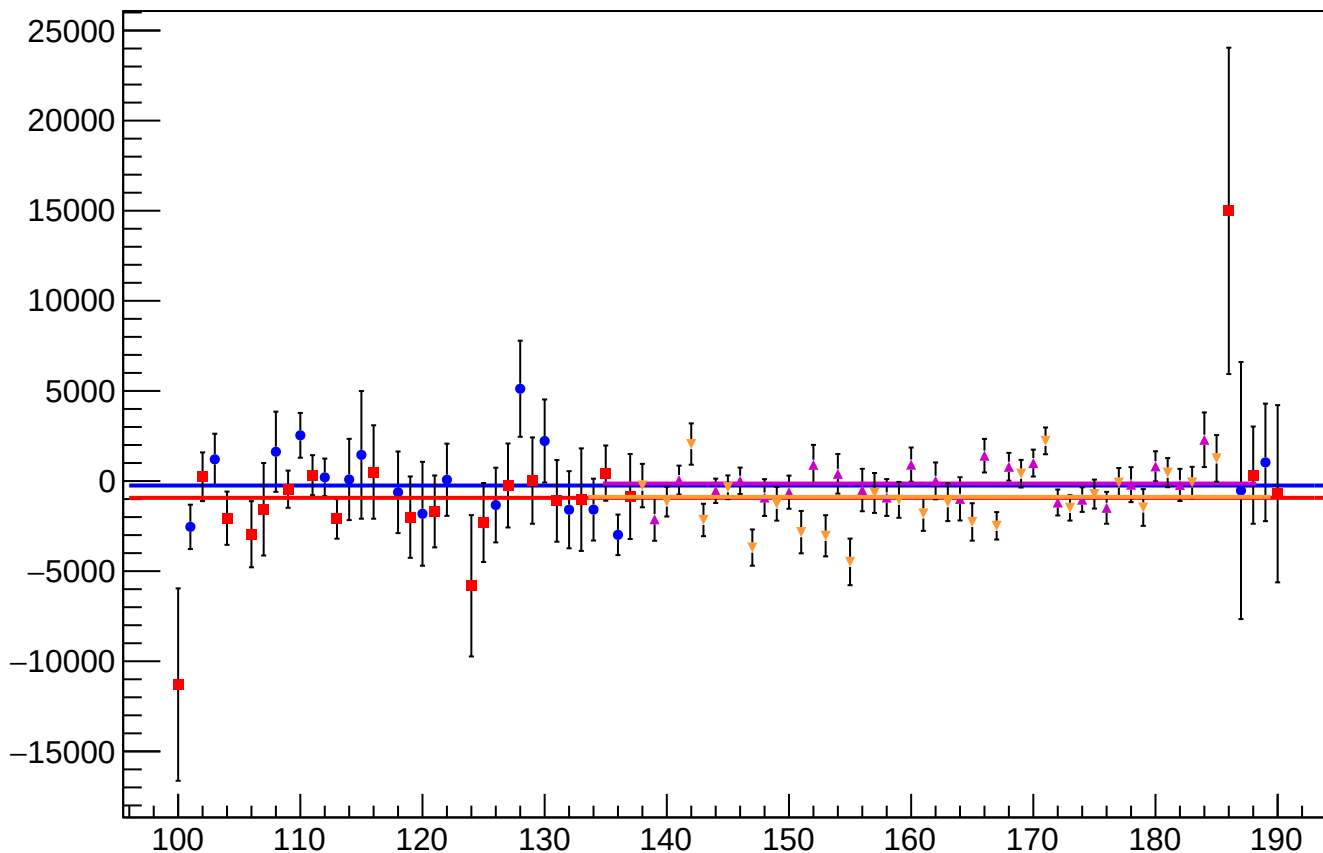
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 92.127 $\pm$ 0.013 χ^2 /NDF: 1718284.4/42

All: 92.450 $\pm$ 0.009 χ^2 /NDF: 4419041.1/87

- sign 92.783 $\pm$ 0.013 χ^2 /NDF: 2699451.9/44

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -248.224 $\pm$ 415.442 χ^2 /NDF: 23.6/17

Left Out: -878.463 $\pm$ 182.188 χ^2 /NDF:67.7/24

Right Out: -932.148 $\pm$ 394.811 χ^2 /NDF: 16.0/21

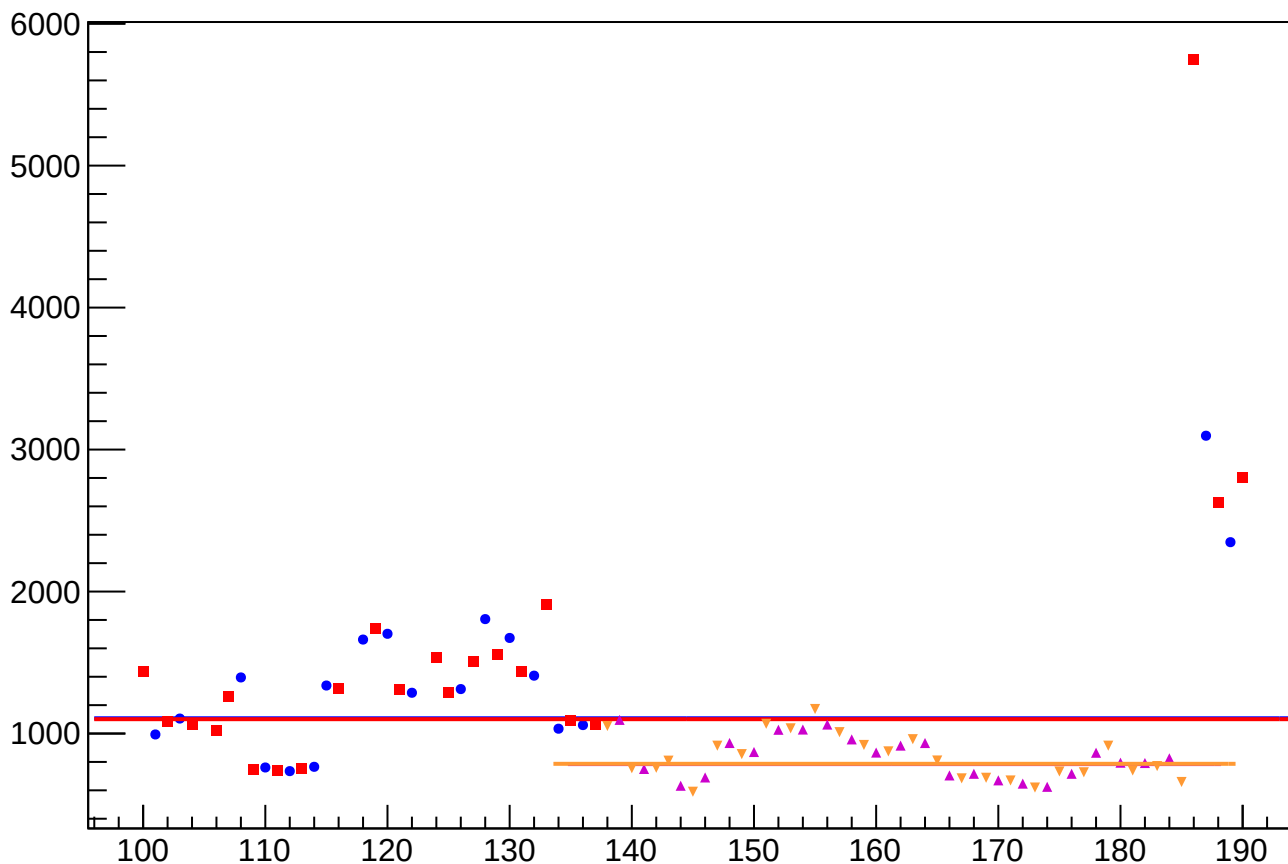
Left In: -138.728 $\pm$ 186.573 χ^2 /NDF:24.2/22

+ sign -776.807 $\pm$ 166.849 χ^2 /NDF: 93.3/42

All: -532.888 $\pm$ 118.624 χ^2 /NDF: 141.1/87

- sign -283.566 $\pm$ 168.686 χ^2 /NDF: 43.5/44

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1107.458 $\pm$ 0.294 χ^2 /NDF: 1506947.9/17

Left Out: 786.758 $\pm$ 0.129 χ^2 /NDF:1210893.0/24

Right Out: 1101.141 $\pm$ 0.279 χ^2 /NDF: 2639640.1/21

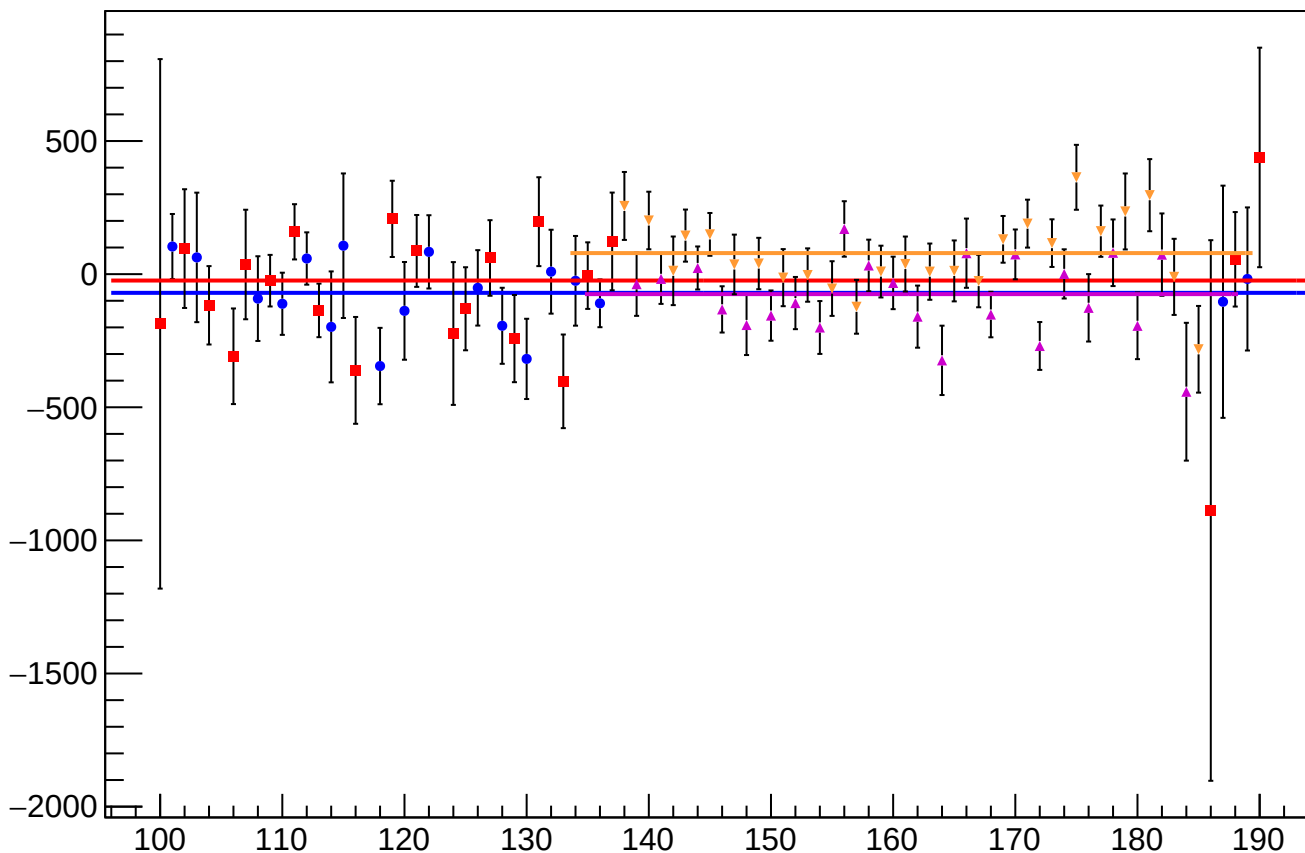
Left In: 784.833 $\pm$ 0.132 χ^2 /NDF:1063747.2/22

+ sign 838.486 $\pm$ 0.118 χ^2 /NDF: 3717413.8/42

All: 840.508 $\pm$ 0.084 χ^2 /NDF: 8470769.8/87

- sign 842.575 $\pm$ 0.119 χ^2 /NDF: 4752762.0/44

cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.230 ± 34.715 $\chi^2/\text{NDF}: 14.1/17$

Left Out: 79.106 ± 21.102 $\chi^2/\text{NDF}: 32.0/24$

Right Out: -23.983 ± 33.497 $\chi^2/\text{NDF}: 26.2/21$

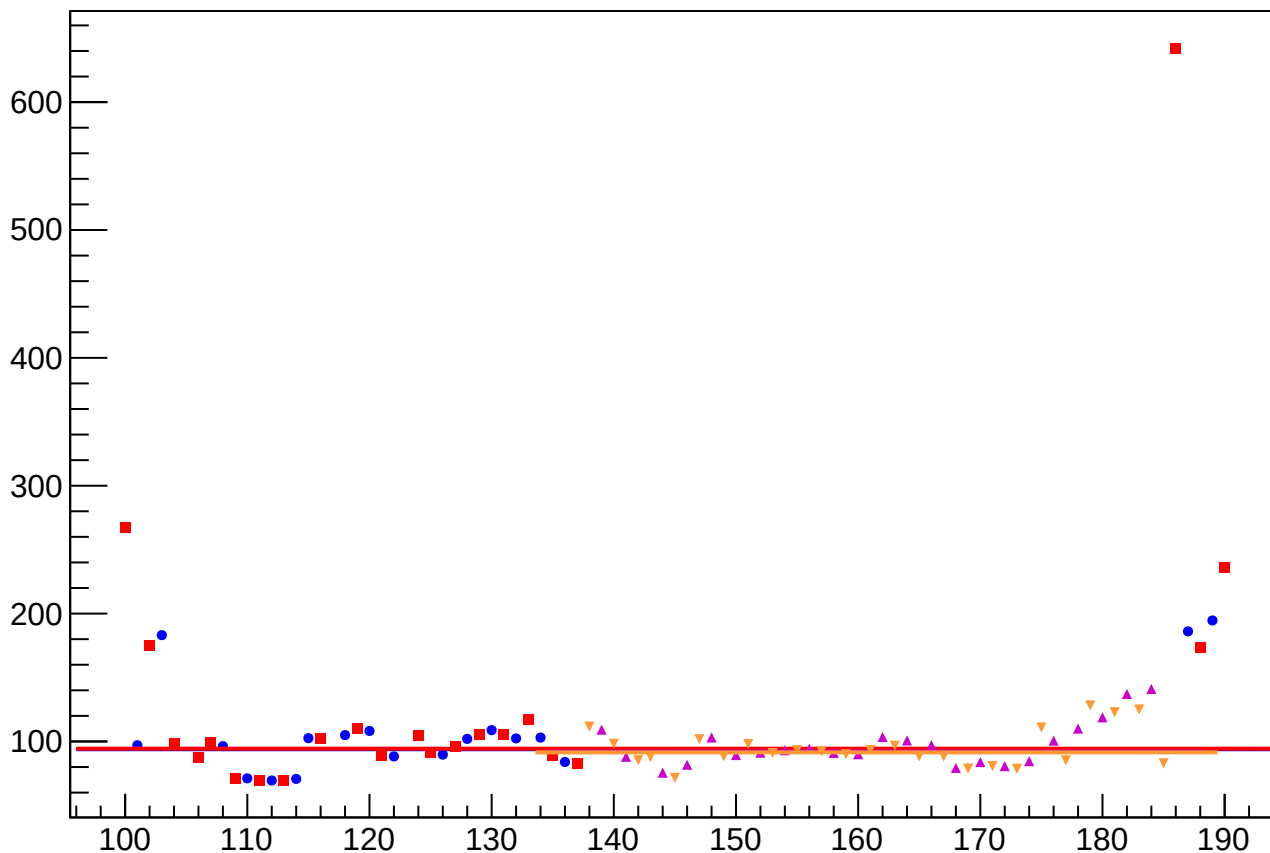
Left In: -75.049 ± 21.837 $\chi^2/\text{NDF}: 32.6/22$

+ sign 38.815 ± 18.032 $\chi^2/\text{NDF}: 59.6/42$

All: -9.794 ± 12.842 $\chi^2/\text{NDF}: 134.8/87$

- sign -59.820 ± 18.293 $\chi^2/\text{NDF}: 60.4/44$

cor_asym_sam_3748_avg_rms vs Slug



Right In: 93.927 $\pm$ 0.025 χ^2 /NDF: 959711.5/17

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 94.344 $\pm$ 0.024 χ^2 /NDF: 1994584.7/21

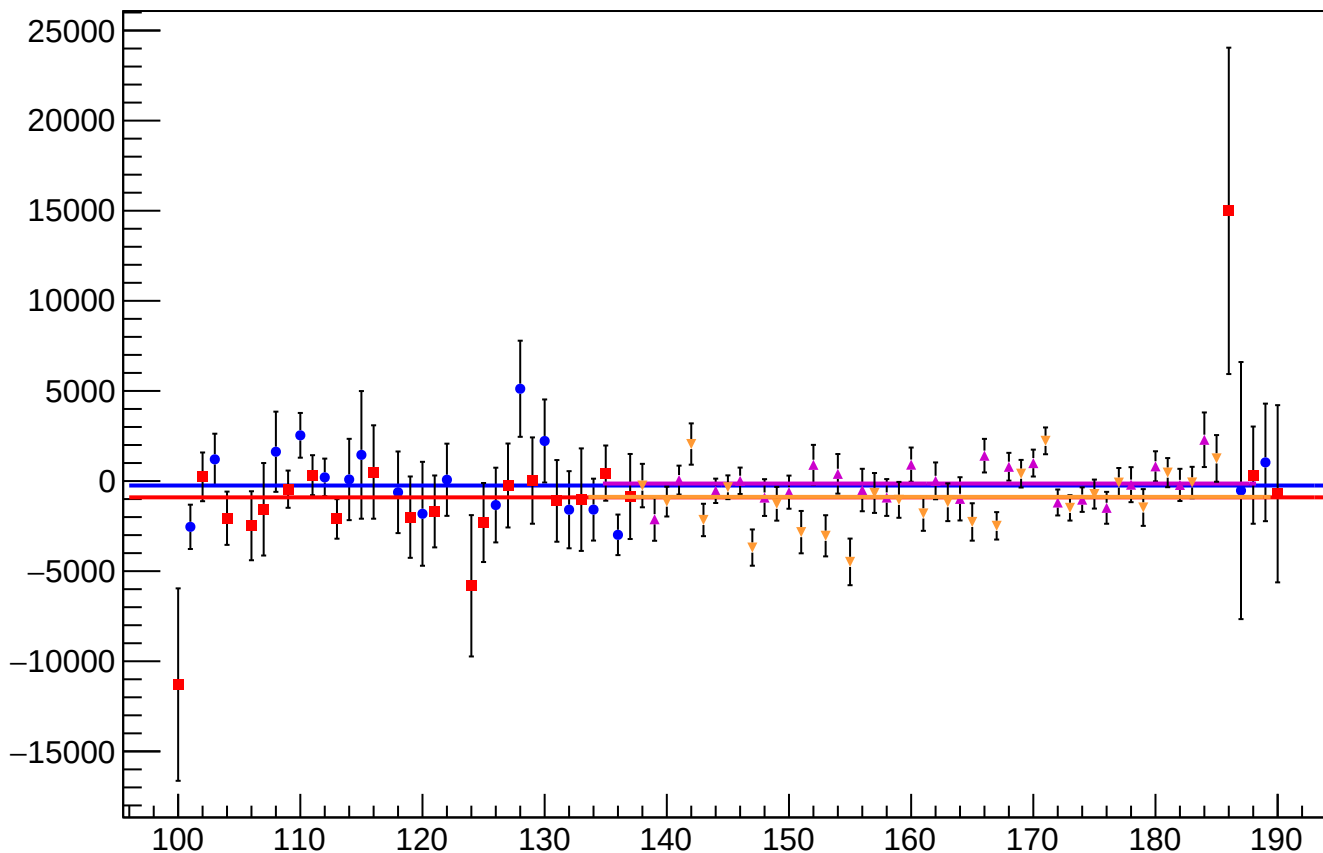
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 92.127 $\pm$ 0.013 χ^2 /NDF: 1718287.5/42

All: 92.443 $\pm$ 0.009 χ^2 /NDF: 4420009.2/87

- sign 92.769 $\pm$ 0.013 χ^2 /NDF: 2700469.4/44

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -248.244+/-415.445 χ^2/NDF : 23.6/17

Left Out: -878.453+/-182.188 χ^2/NDF : 67.7/24

Right Out: -905.053+/-395.584 χ^2/NDF : 15.4/21

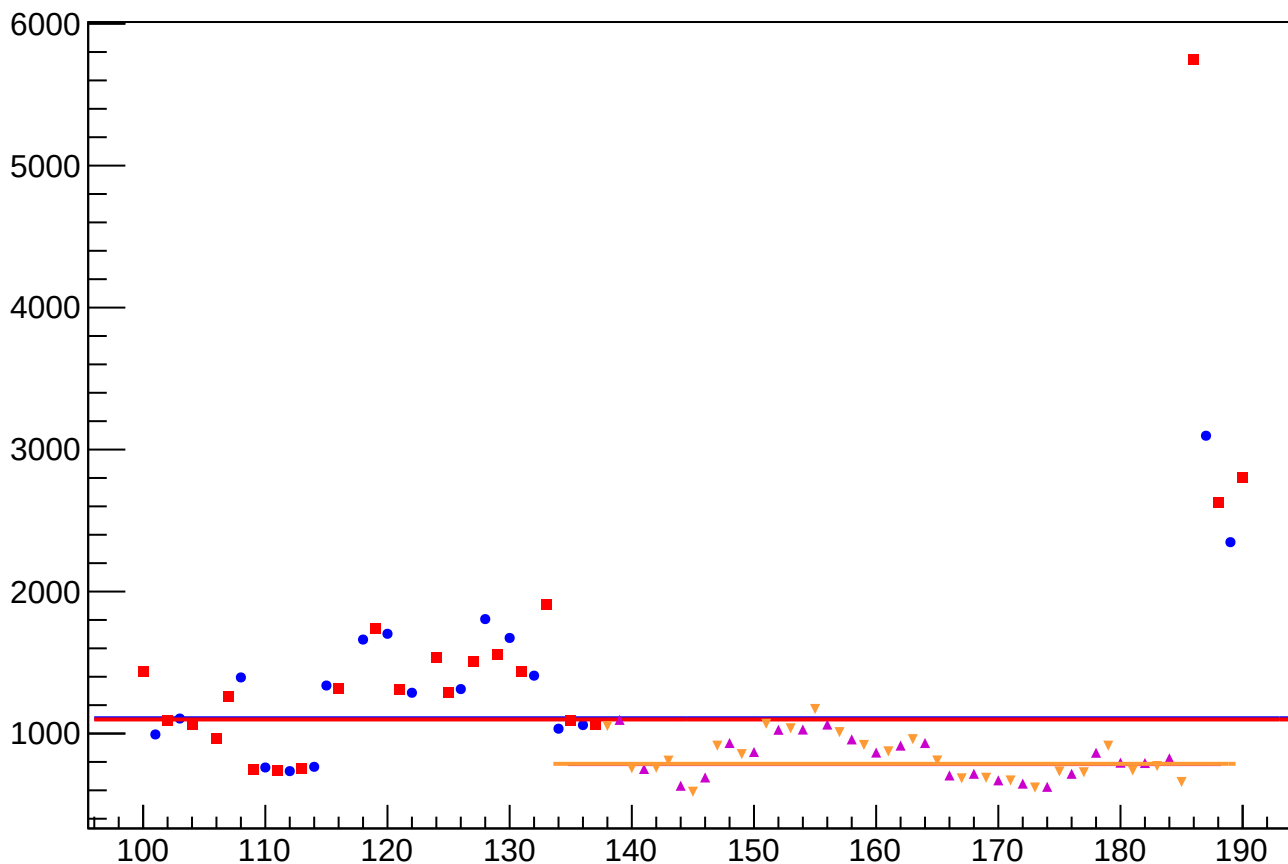
Left In: -138.730+/-186.573 χ^2/NDF : 24.2/22

+ sign -776.804+/-166.849 χ^2/NDF : 93.3/42

All: -530.309+/-118.645 χ^2/NDF : 140.4/87

- sign -278.175+/-168.747 χ^2/NDF : 42.7/44

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1107.467 $\pm$ 0.294 χ^2 /NDF: 1506949.1/17

Left Out: 786.758 $\pm$ 0.129 χ^2 /NDF: 1210893.0/24

Right Out: 1099.072 $\pm$ 0.280 χ^2 /NDF: 2645839.4/21

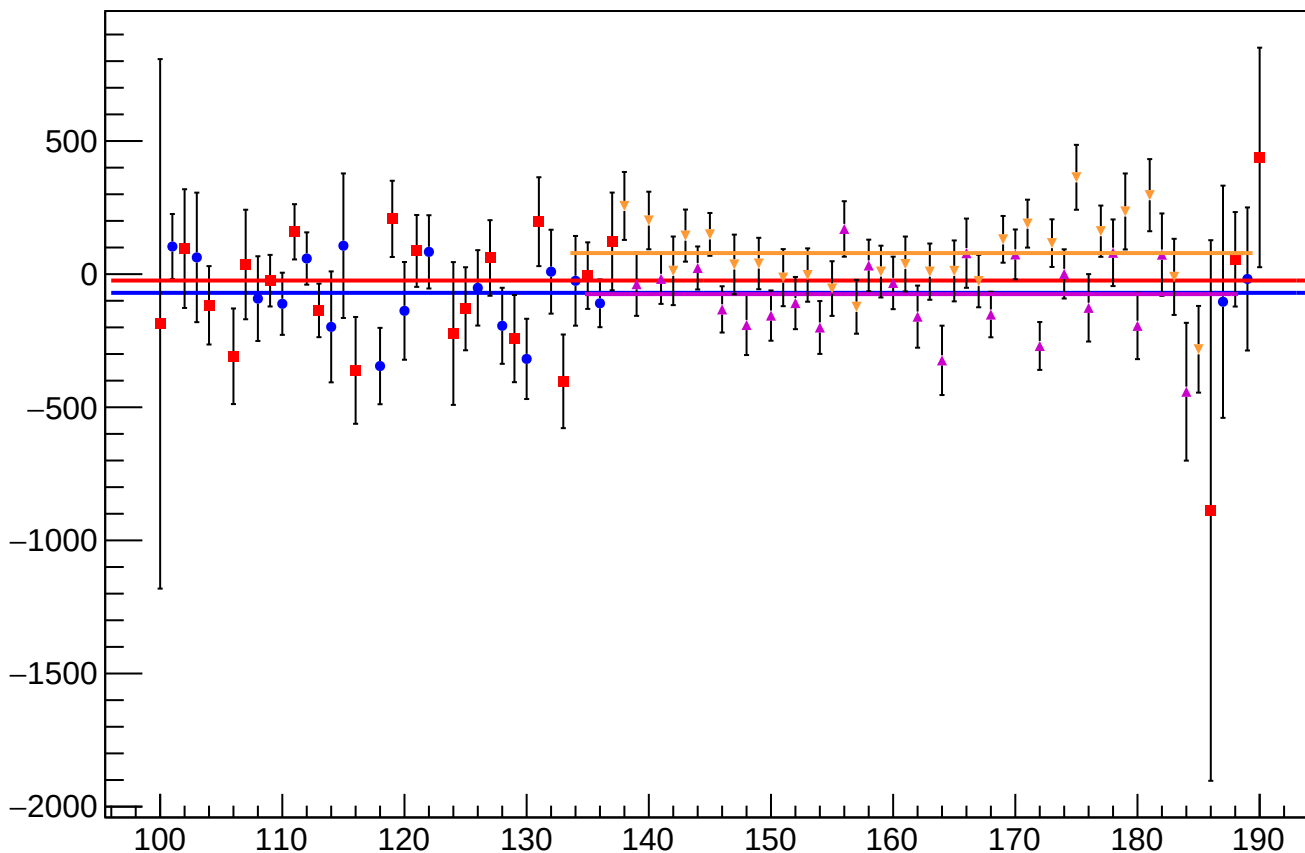
Left In: 784.833 $\pm$ 0.132 χ^2 /NDF: 1063746.9/22

+ sign 838.487 $\pm$ 0.118 χ^2 /NDF: 3717457.8/42

All: 840.231 $\pm$ 0.084 χ^2 /NDF: 8459870.7/87

- sign 842.014 $\pm$ 0.119 χ^2 /NDF: 4741970.9/44

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -70.230 $\pm$ 34.715 χ^2/NDF : 14.1/17

Left Out: 79.106 $\pm$ 21.102 χ^2/NDF : 32.0/24

Right Out: -23.983 $\pm$ 33.497 χ^2/NDF : 26.2/21

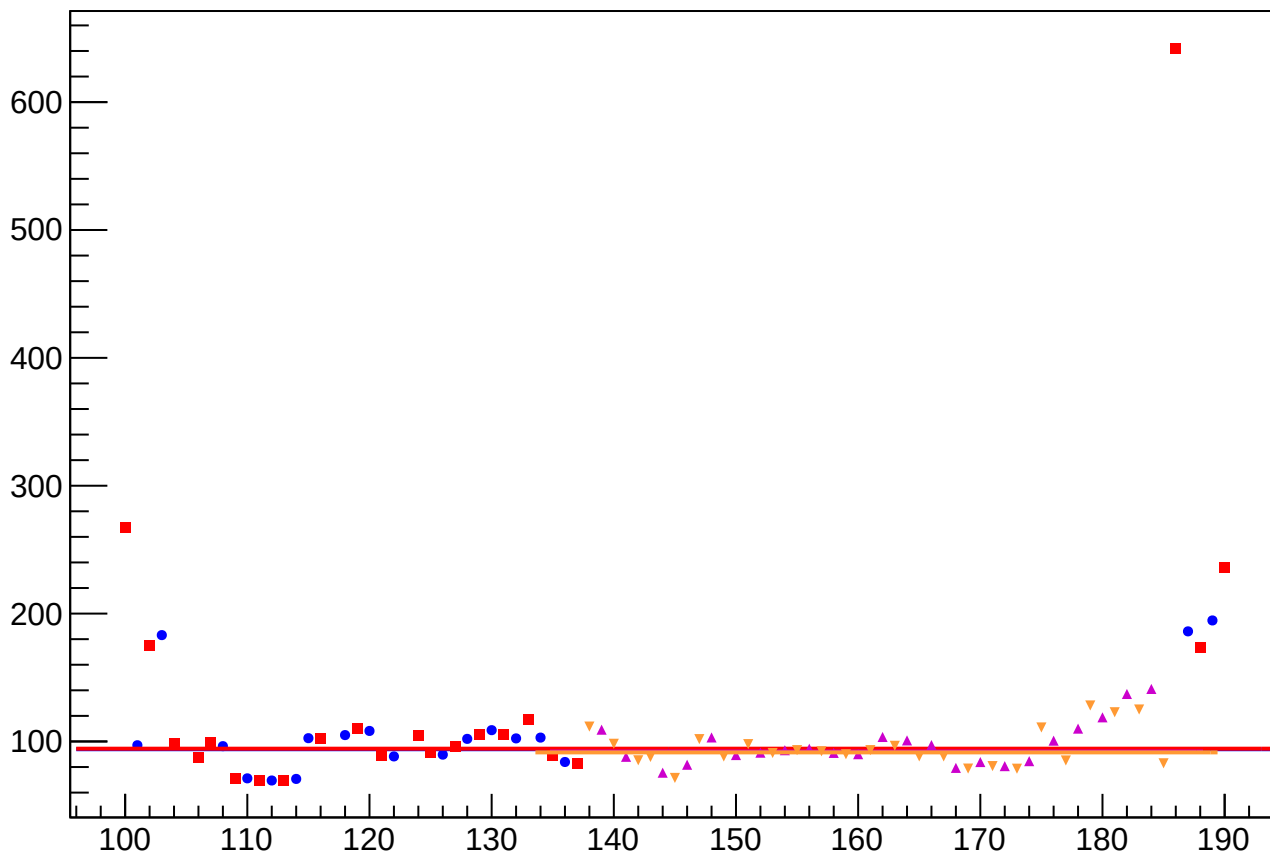
Left In: -75.049 $\pm$ 21.837 χ^2/NDF : 32.6/22

+ sign 38.815 $\pm$ 18.032 χ^2/NDF : 59.6/42

All: -9.794 $\pm$ 12.842 χ^2/NDF : 134.8/87

- sign -59.820 $\pm$ 18.293 χ^2/NDF : 60.4/44

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 93.927 $\pm$ 0.025 χ^2 /NDF: 959711.5/17

Left Out: 91.462 $\pm$ 0.015 χ^2 /NDF: 751213.9/24

Right Out: 94.344 $\pm$ 0.024 χ^2 /NDF: 1994584.7/21

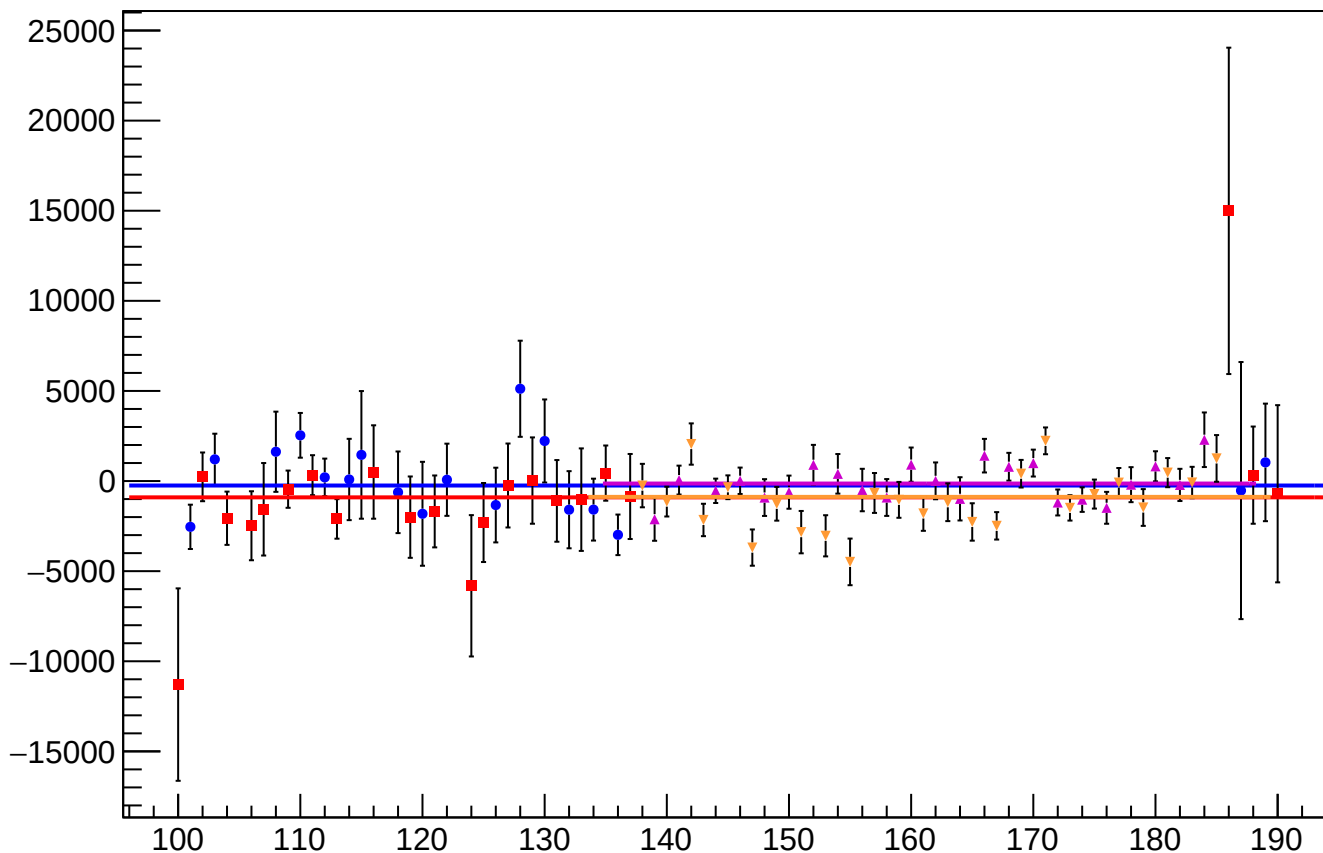
Left In: 92.100 $\pm$ 0.015 χ^2 /NDF: 699590.1/22

+ sign 92.127 $\pm$ 0.013 χ^2 /NDF: 1718287.5/42

All: 92.443 $\pm$ 0.009 χ^2 /NDF: 4420009.2/87

- sign 92.769 $\pm$ 0.013 χ^2 /NDF: 2700469.4/44

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug



Right In: -248.244 ± 415.445 χ^2/NDF : 23.6/17

Left Out: -878.453 ± 182.188 χ^2/NDF : 67.7/24

Right Out: -905.053 ± 395.584 χ^2/NDF : 15.4/21

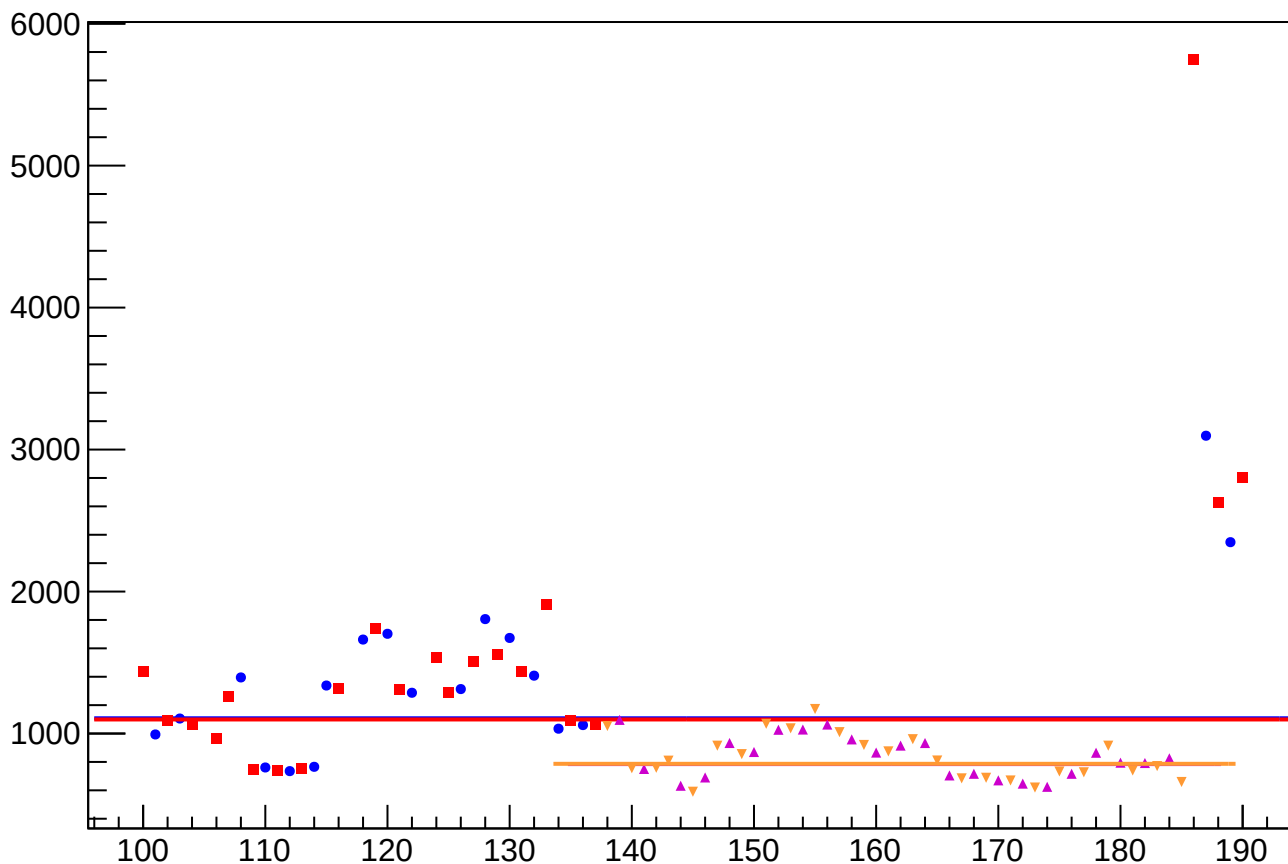
Left In: -138.730 ± 186.573 χ^2/NDF : 24.2/22

+ sign -776.804 ± 166.849 χ^2/NDF : 93.3/42

All: -530.309 ± 118.645 χ^2/NDF : 140.4/87

- sign -278.175 ± 168.747 χ^2/NDF : 42.7/44

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1107.467 $\pm$ 0.294 χ^2 /NDF: 1506949.1/17

Left Out: 786.758 $\pm$ 0.129 χ^2 /NDF: 1210893.0/24

Right Out: 1099.072 $\pm$ 0.280 χ^2 /NDF: 2645839.4/21

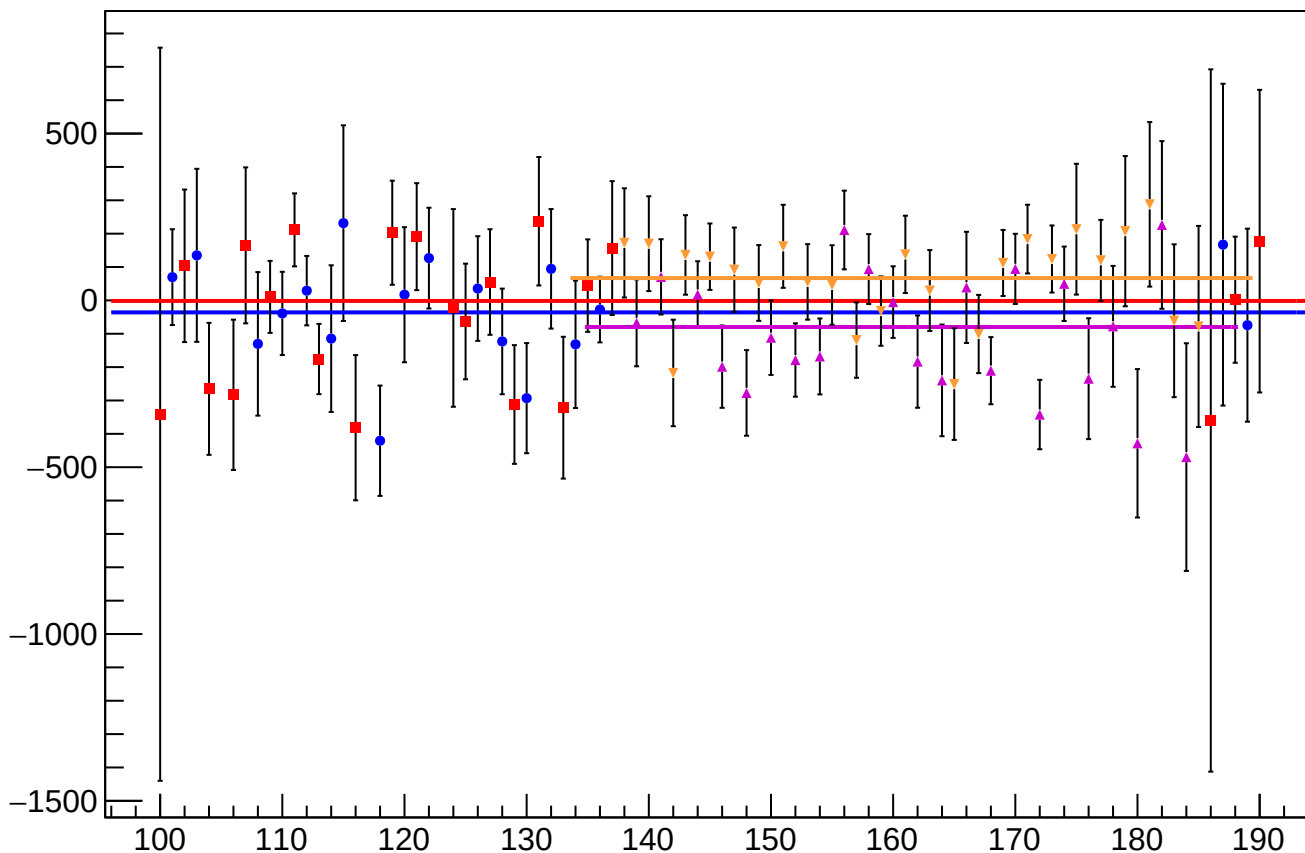
Left In: 784.833 $\pm$ 0.132 χ^2 /NDF: 1063746.9/22

+ sign 838.487 $\pm$ 0.118 χ^2 /NDF: 3717457.8/42

All: 840.231 $\pm$ 0.084 χ^2 /NDF: 8459870.7/87

- sign 842.014 $\pm$ 0.119 χ^2 /NDF: 4741970.9/44

dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.960 ± 38.518 χ^2/NDF : 13.1/17

Left Out: 66.896 ± 25.584 χ^2/NDF : 19.6/24

Right Out: -1.622 ± 37.260 χ^2/NDF : 25.0/21

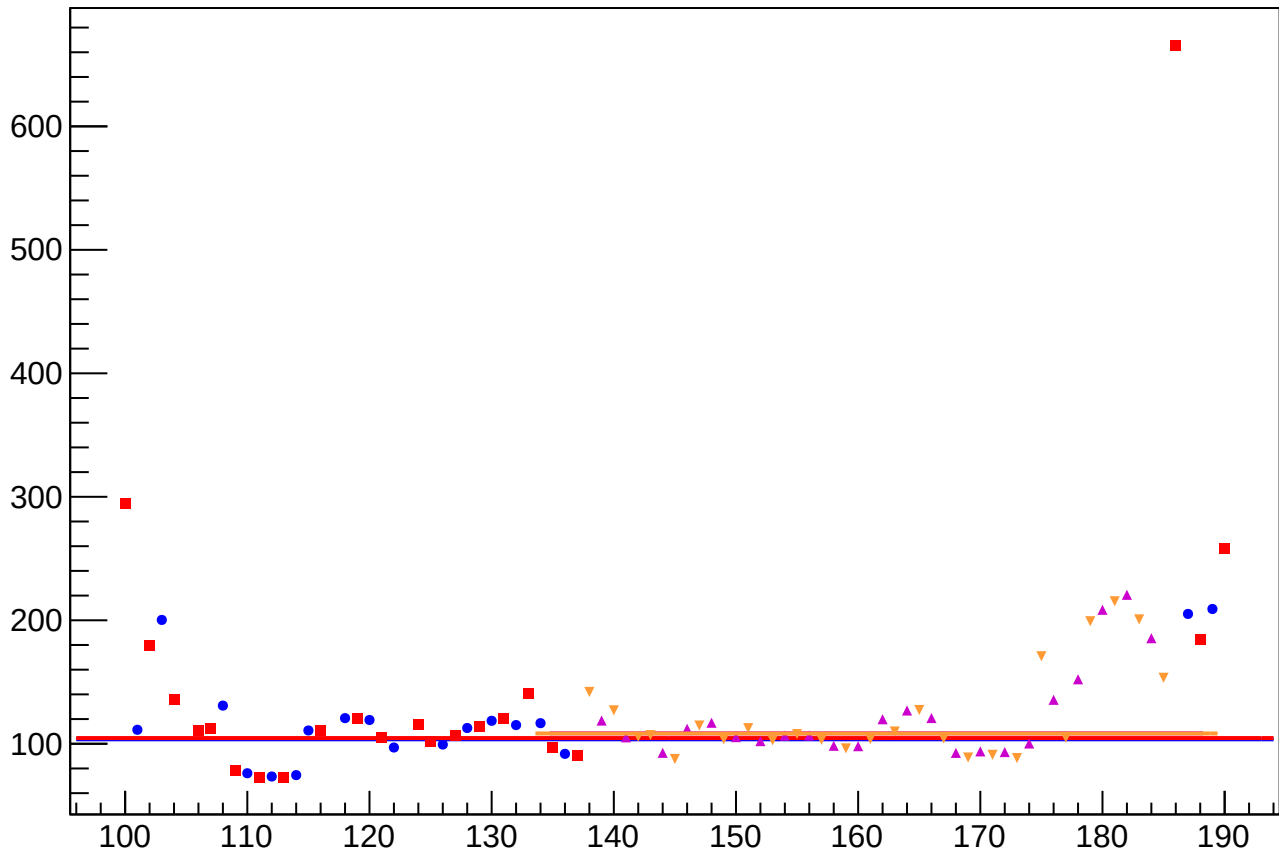
Left In: -79.766 ± 26.299 χ^2/NDF : 36.9/22

+ sign 35.410 ± 21.311 χ^2/NDF : 37.6/42

All: -8.822 ± 15.131 χ^2/NDF : 111.2/87

- sign -53.781 ± 21.486 χ^2/NDF : 64.9/44

dit_asym_sam_3748_avg_rms vs Slug



Right In: 103.612 $\pm$ 0.027 χ^2 /NDF: 1079710.4/17

Left Out: 108.330 $\pm$ 0.018 χ^2 /NDF:1774599.9/24

Right Out: 104.622 $\pm$ 0.026 χ^2 /NDF: 2069289.8/21

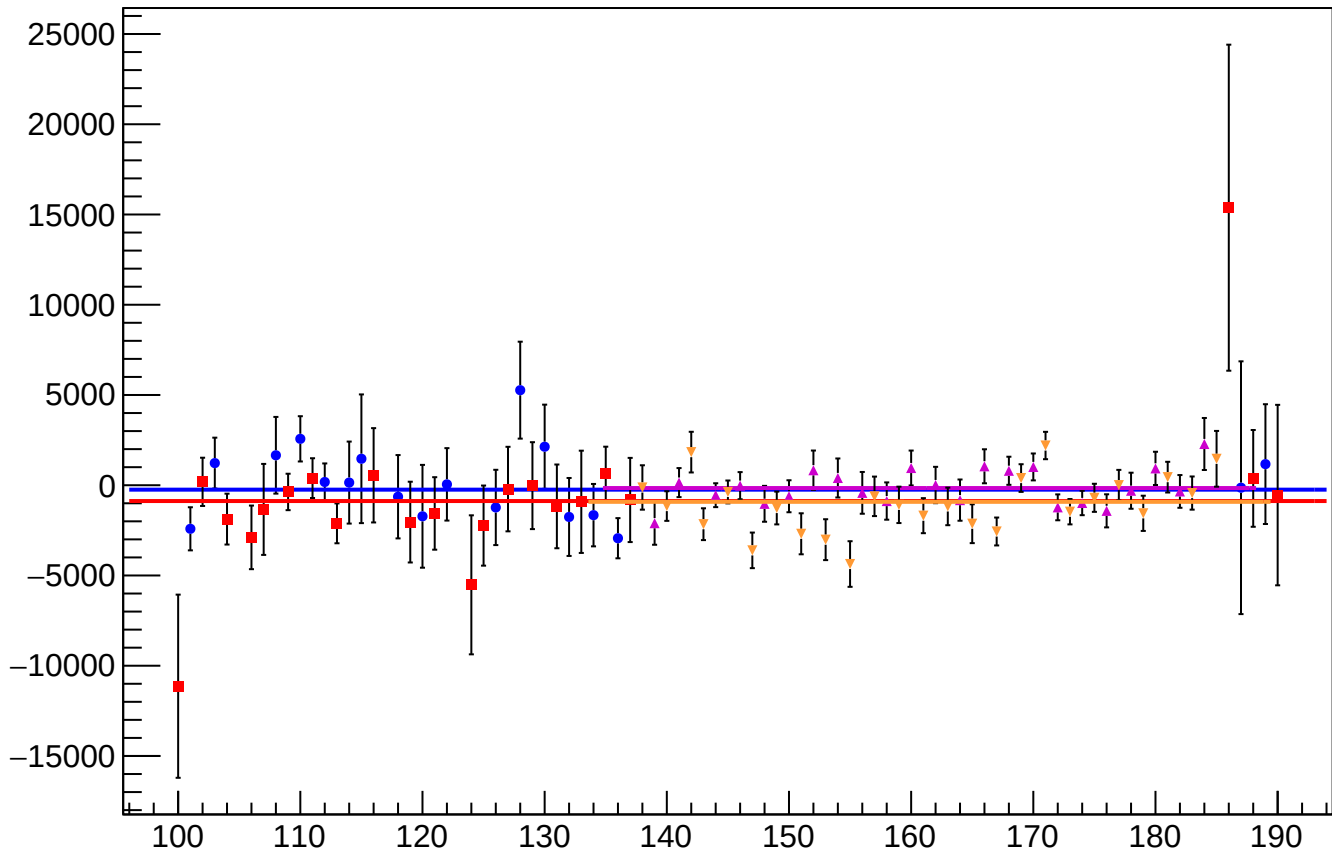
Left In: 108.492 $\pm$ 0.019 χ^2 /NDF:1379398.3/22

+ sign 106.886 $\pm$ 0.015 χ^2 /NDF: 2875131.5/42

All: 107.044 $\pm$ 0.011 χ^2 /NDF: 6338446.8/87

- sign 107.205 $\pm$ 0.015 χ^2 /NDF: 3463092.3/44

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -245.153+/-413.086 χ^2/NDF : 23.6/17

Left Out: -918.735+/-182.461 χ^2/NDF : 64.1/24

Right Out: -875.970+/-390.412 χ^2/NDF : 16.6/21

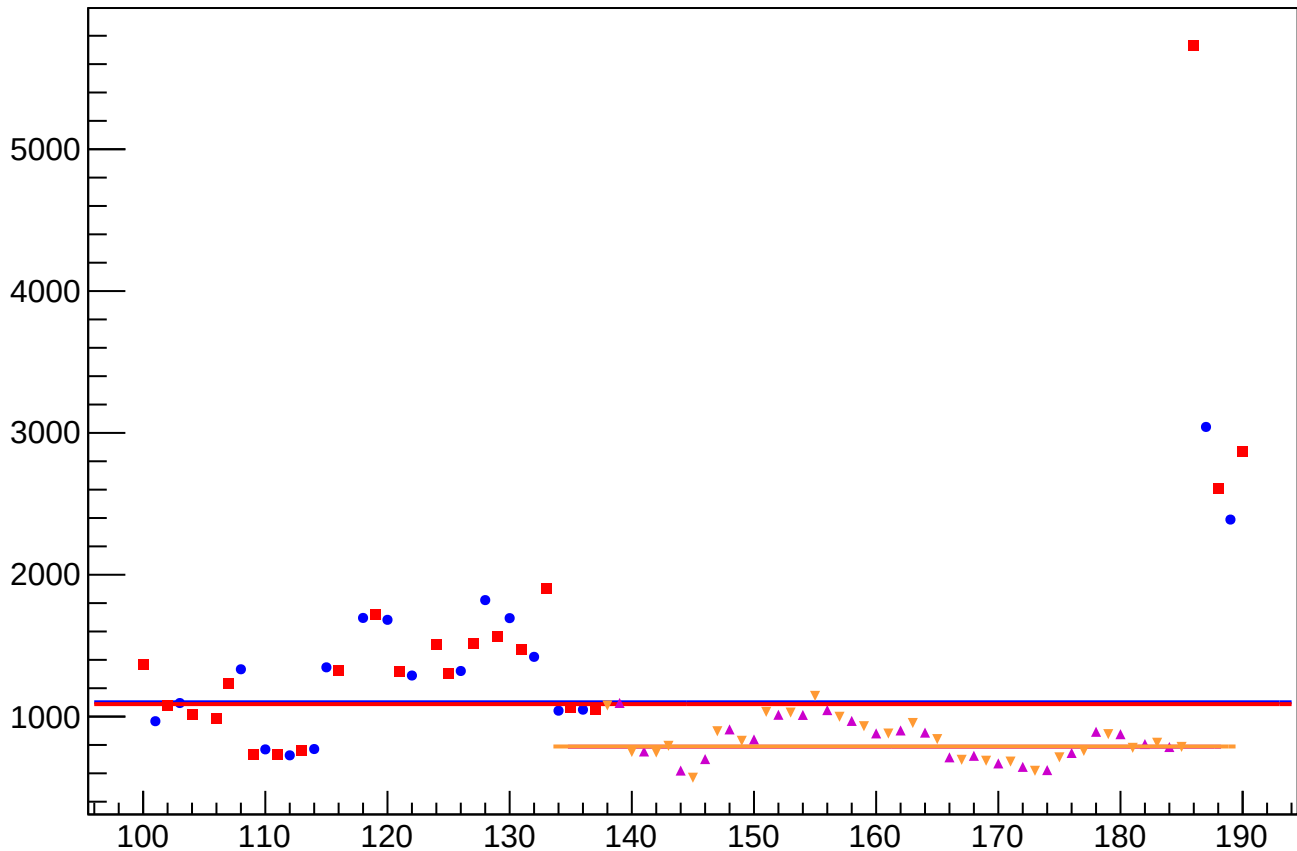
Left In: -155.874+/-187.116 χ^2/NDF : 23.1/22

+ sign -808.772+/-166.905 χ^2/NDF : 90.0/42

All: -552.409+/-118.662 χ^2/NDF : 137.2/87

- sign -290.386+/-168.737 χ^2/NDF : 42.5/44

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1100.691 $\pm$ 0.292 χ^2/NDF : 1540759.2/17

Left Out: 789.250 $\pm$ 0.129 χ^2/NDF :1176799.1/24

Right Out: 1087.933 $\pm$ 0.276 χ^2/NDF : 2693709.9/21

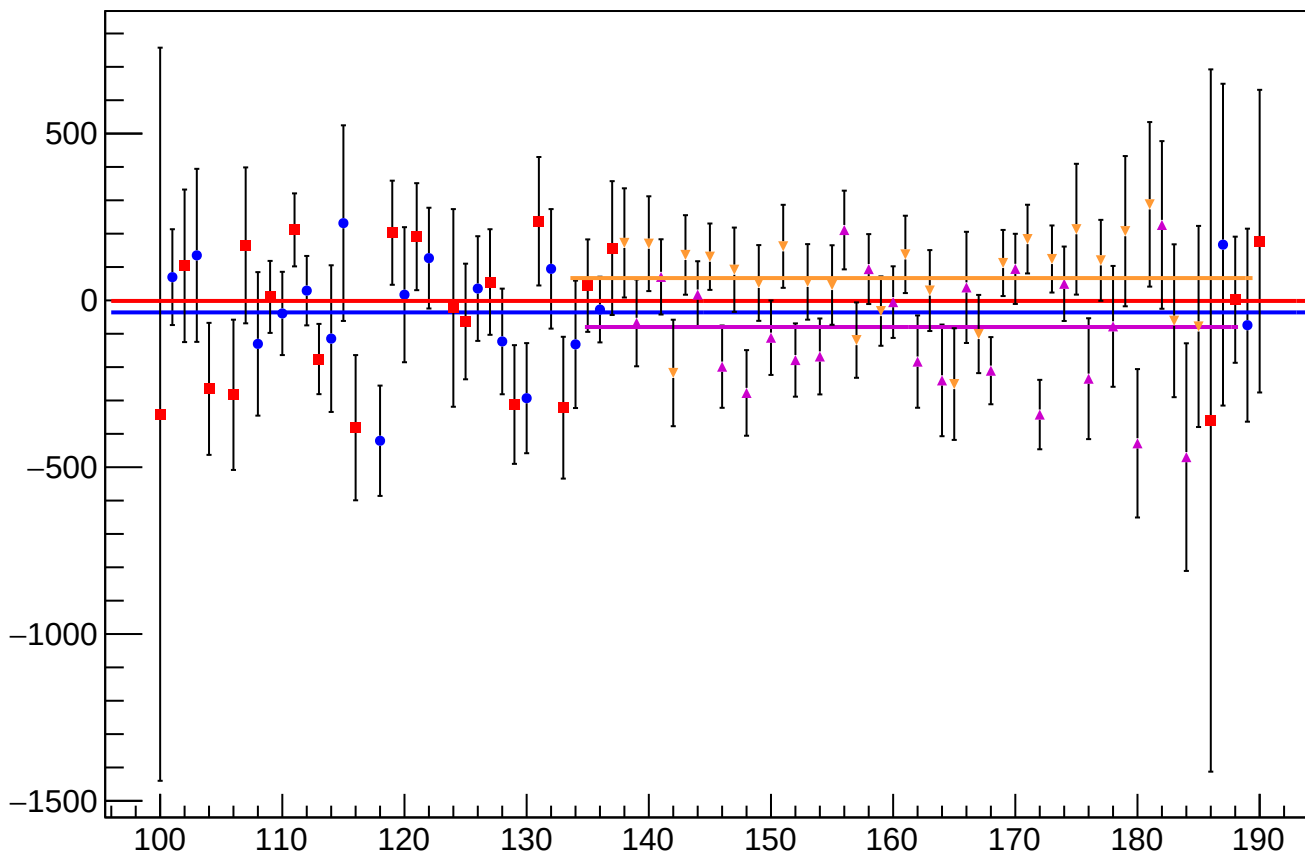
Left In: 787.390 $\pm$ 0.132 χ^2/NDF :1041390.9/22

+ sign 840.093 $\pm$ 0.118 χ^2/NDF : 3668816.3/42

All: 841.793 $\pm$ 0.084 χ^2/NDF : 8368157.4/87

- sign 843.531 $\pm$ 0.119 χ^2/NDF : 4698921.4/44

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.959 ± 38.518 χ^2/NDF : 13.1/17

Left Out: 66.898 ± 25.584 χ^2/NDF : 19.6/24

Right Out: -1.621 ± 37.260 χ^2/NDF : 25.0/21

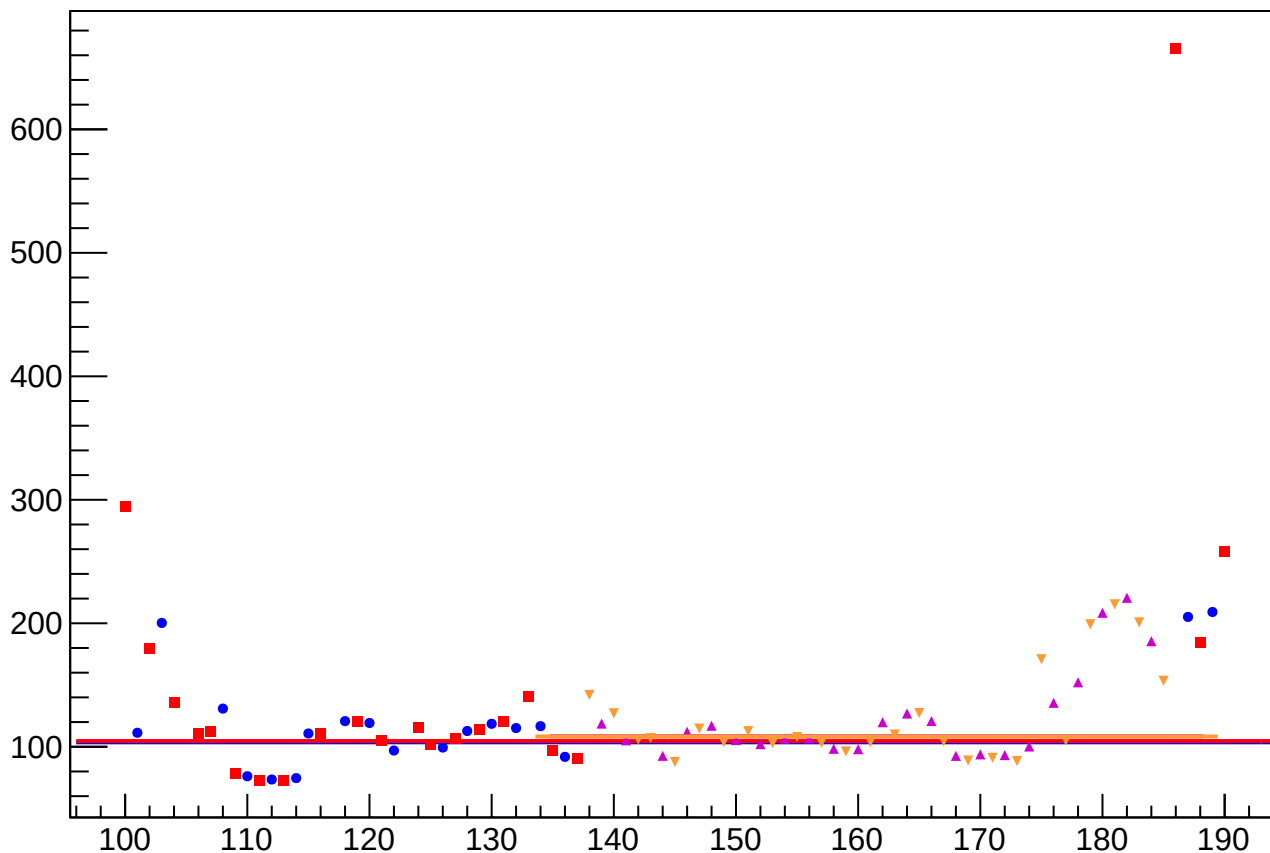
Left In: -79.766 ± 26.299 χ^2/NDF : 36.9/22

+ sign 35.411 ± 21.311 χ^2/NDF : 37.6/42

All: -8.821 ± 15.131 χ^2/NDF : 111.2/87

- sign -53.781 ± 21.486 χ^2/NDF : 64.9/44

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 103.612 $\pm$ 0.027 χ^2 /NDF: 1079708.2/17

Left Out: 108.330 $\pm$ 0.018 χ^2 /NDF: 1774594.6/24

Right Out: 104.622 $\pm$ 0.026 χ^2 /NDF: 2069297.6/21

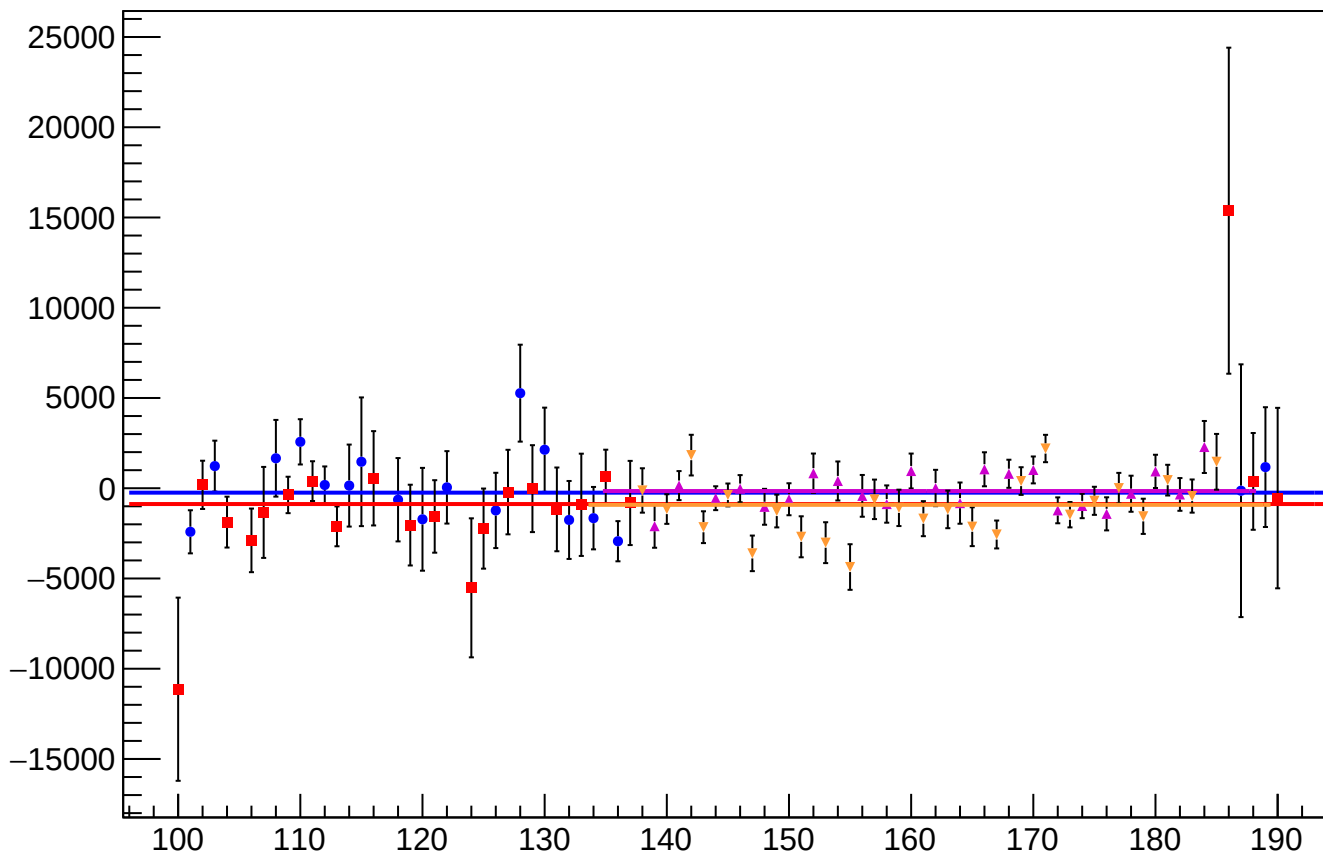
Left In: 108.493 $\pm$ 0.019 χ^2 /NDF: 1379379.3/22

+ sign 106.886 $\pm$ 0.015 χ^2 /NDF: 2875125.6/42

All: 107.045 $\pm$ 0.011 χ^2 /NDF: 6338430.8/87

- sign 107.206 $\pm$ 0.015 χ^2 /NDF: 3463082.2/44

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug



Right In: -245.151+/-413.085 χ^2/NDF : 23.6/17

Left Out: -918.734+/-182.461 χ^2/NDF : 64.1/24

Right Out: -875.968+/-390.411 χ^2/NDF : 16.6/21

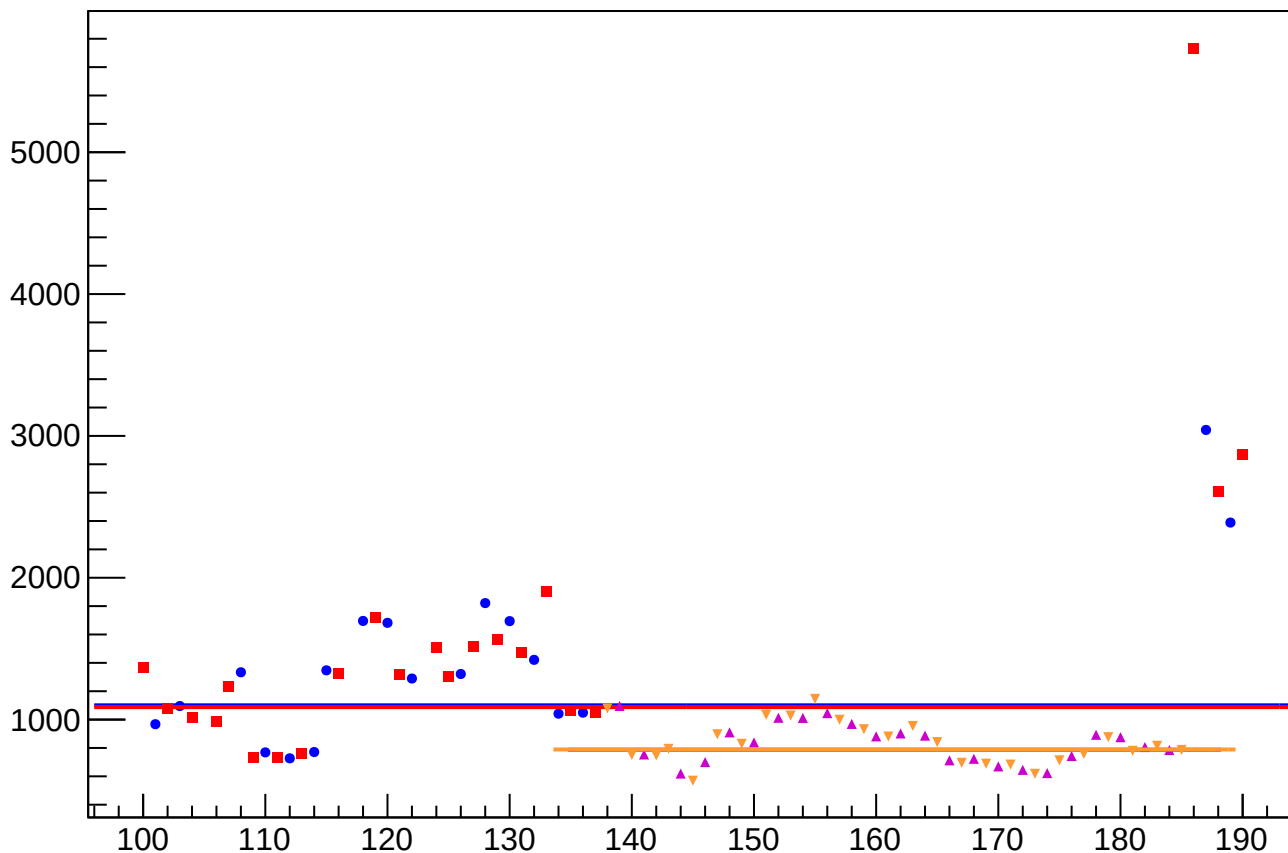
Left In: -155.873+/-187.115 χ^2/NDF : 23.1/22

+ sign -808.771+/-166.904 χ^2/NDF : 90.0/42

All: -552.408+/-118.662 χ^2/NDF : 137.2/87

- sign -290.385+/-168.736 χ^2/NDF : 42.5/44

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1100.689+/-0.292 χ^2/NDF : 1540765.2/17

Left Out: 789.248+/-0.129 χ^2/NDF : 1176801.9/24

Right Out: 1087.931+/-0.276 χ^2/NDF : 2693711.9/21

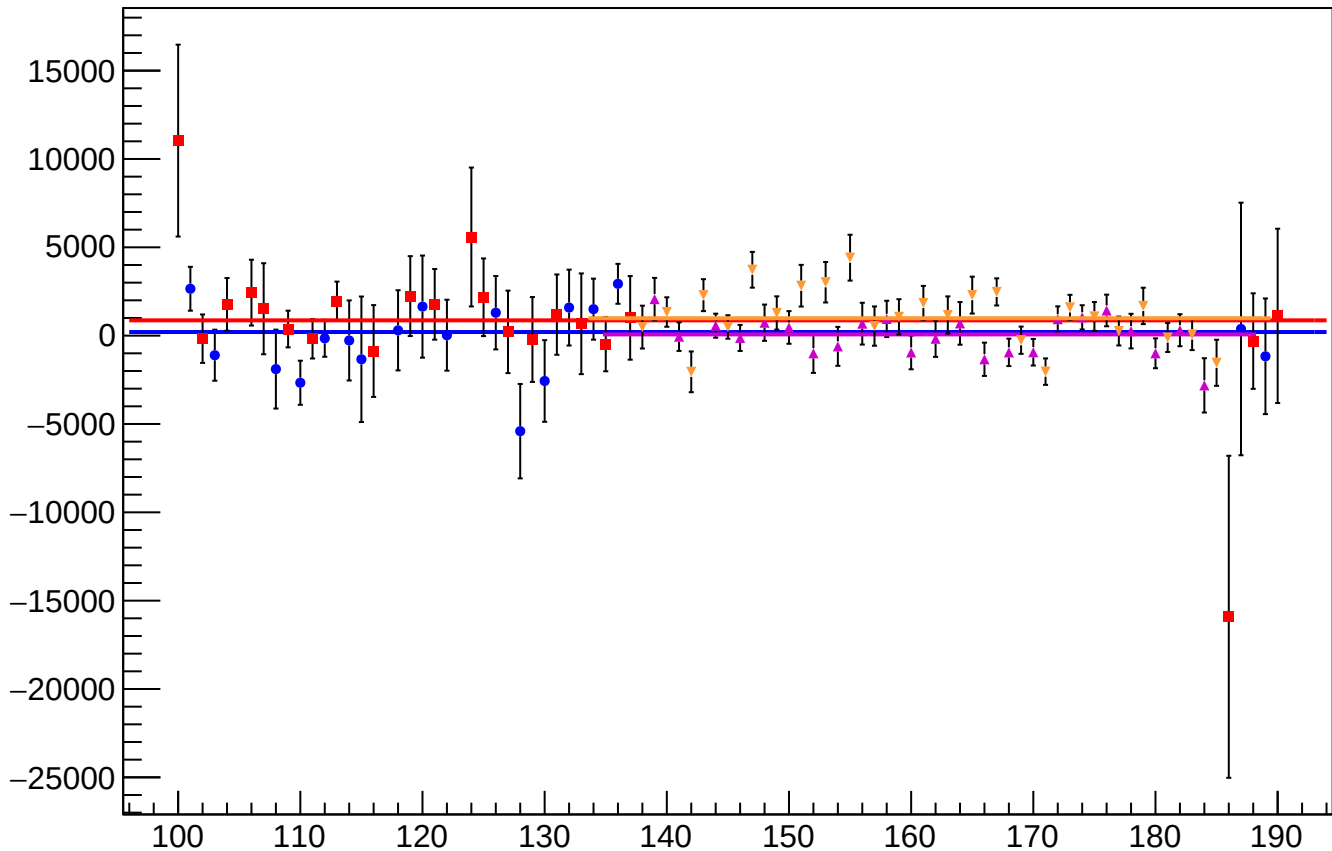
Left In: 787.388+/-0.132 χ^2/NDF : 1041391.2/22

+ sign 840.091+/-0.118 χ^2/NDF : 3668824.6/42

All: 841.792+/-0.084 χ^2/NDF : 8368168.6/87

- sign 843.529+/-0.119 χ^2/NDF : 4698924.4/44

asym_sam_3748_avg_mean vs Slug



Right In: 205.302 $\pm$ 417.664 χ^2 /NDF: 24.6/17

Left Out: 985.656 $\pm$ 183.601 χ^2 /NDF:63.7/24

Right Out: 866.420 $\pm$ 397.023 χ^2 /NDF: 14.8/21

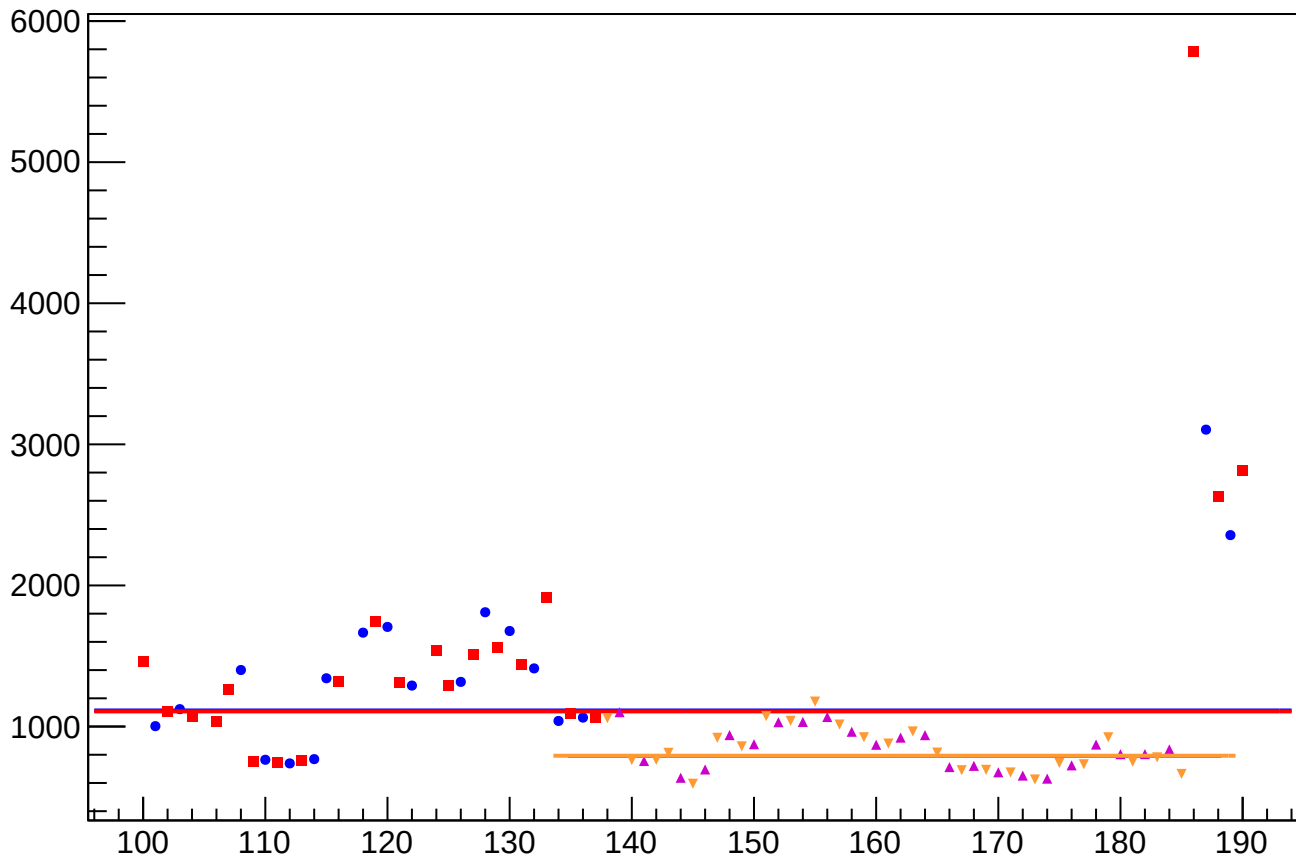
Left In: 70.089 $\pm$ 188.036 χ^2 /NDF:24.4/22

+ sign 859.281 $\pm$ 168.078 χ^2 /NDF: 91.3/42

All: 541.177 $\pm$ 119.502 χ^2 /NDF: 141.0/87

- sign 215.988 $\pm$ 169.940 χ^2 /NDF: 42.5/44

asym_sam_3748_avg_rms vs Slug



Right In: 1113.709 $\pm$ 0.295 χ^2 /NDF: 1499434.1/17

Left Out: 793.051 $\pm$ 0.130 χ^2 /NDF: 1193972.3/24

Right Out: 1107.254 $\pm$ 0.281 χ^2 /NDF: 2632493.8/21

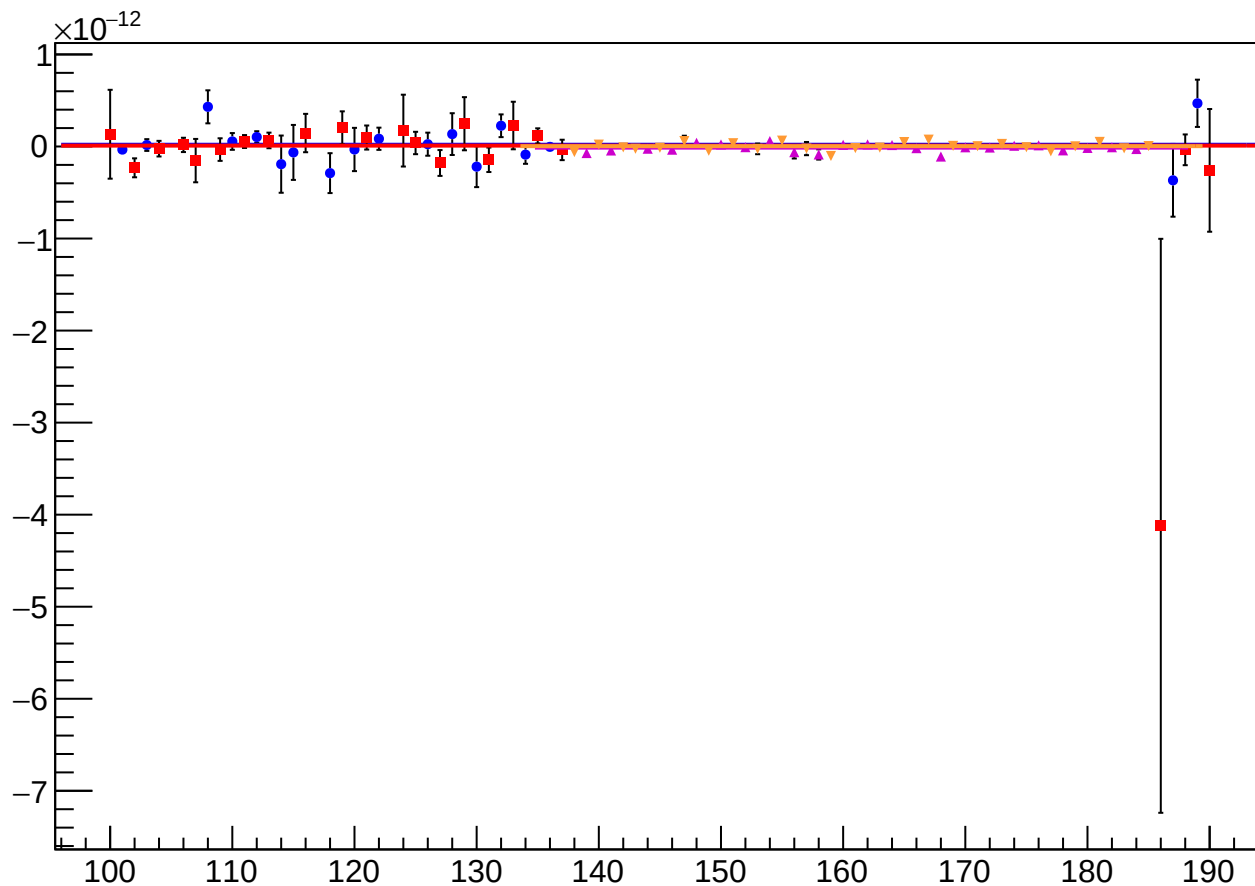
Left In: 791.155 $\pm$ 0.133 χ^2 /NDF: 1049107.7/22

+ sign 844.980 $\pm$ 0.119 χ^2 /NDF: 3681349.5/42

All: 847.002 $\pm$ 0.085 χ^2 /NDF: 8399044.3/87

- sign 849.069 $\pm$ 0.120 χ^2 /NDF: 4717109.5/44

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.8/21

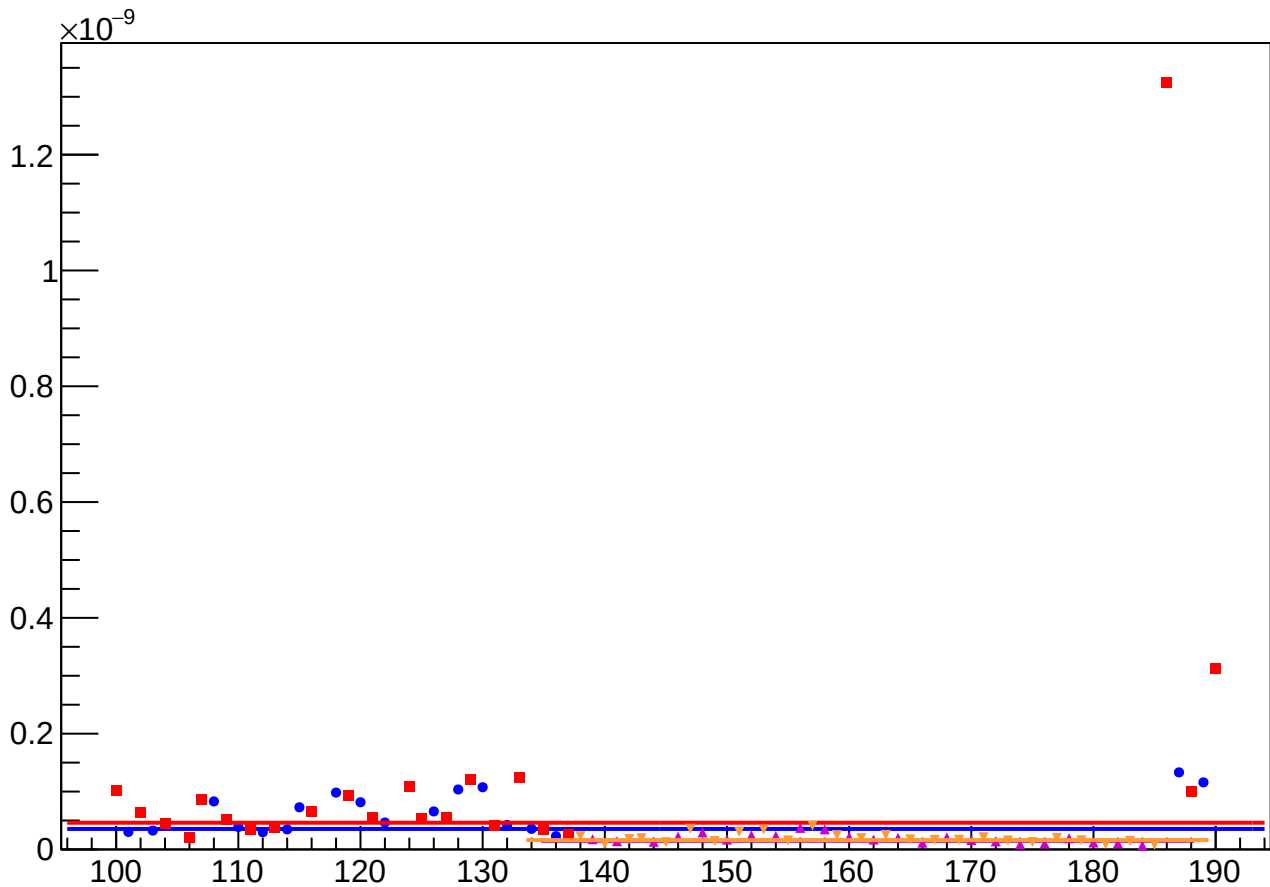
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:25.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 55.4/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 102.3/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 43.7/44

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1510668.0/17

Left Out: 0.000+/-0.000 χ^2/NDF : 1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1948929.6/21

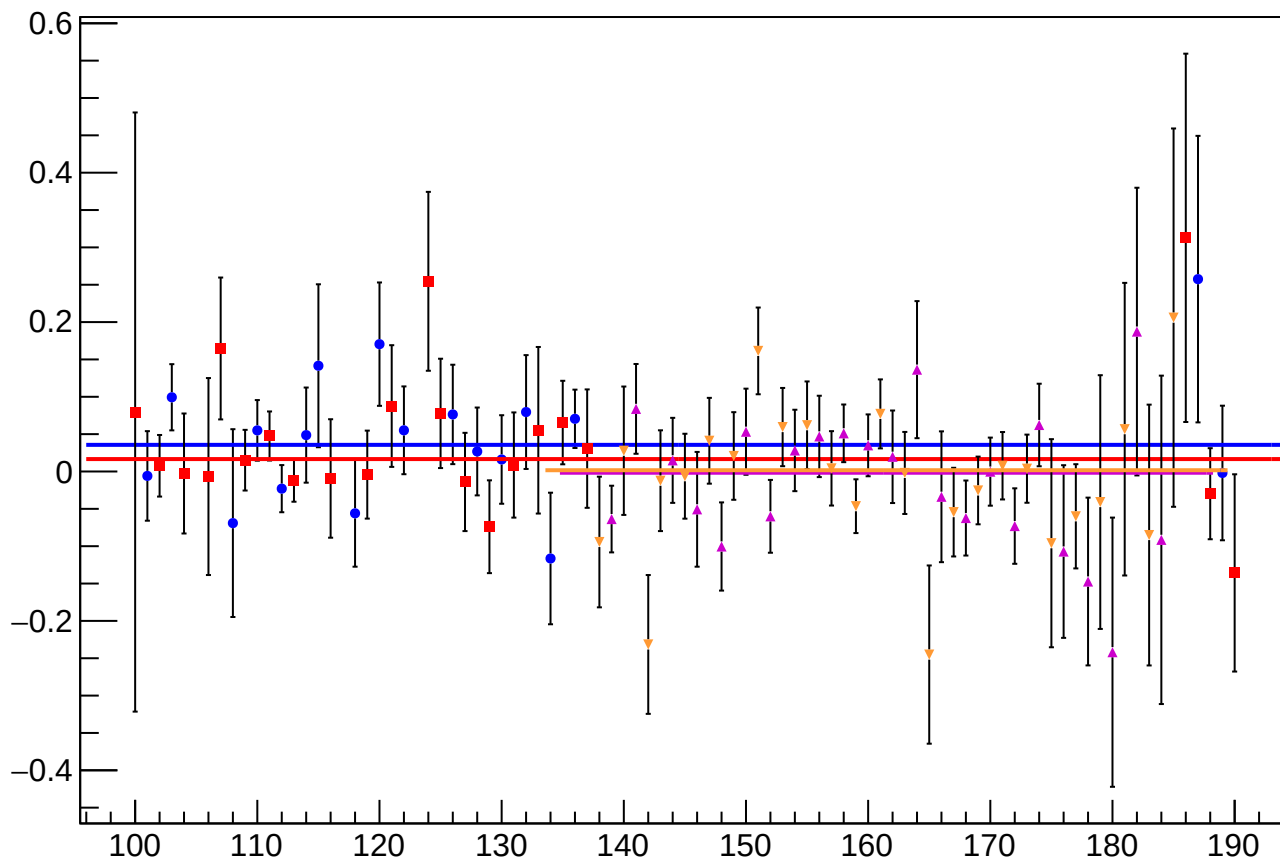
Left In: 0.000+/-0.000 χ^2/NDF : 1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 4681128.9/42

All: 0.000+/-0.000 χ^2/NDF : 10956287.9/87

- sign 0.000+/-0.000 χ^2/NDF : 6239607.8/44

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.014 χ^2 /NDF: 18.5/17

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF:30.4/24

Right Out: 0.017 $\pm$ 0.013 χ^2 /NDF: 16.8/21

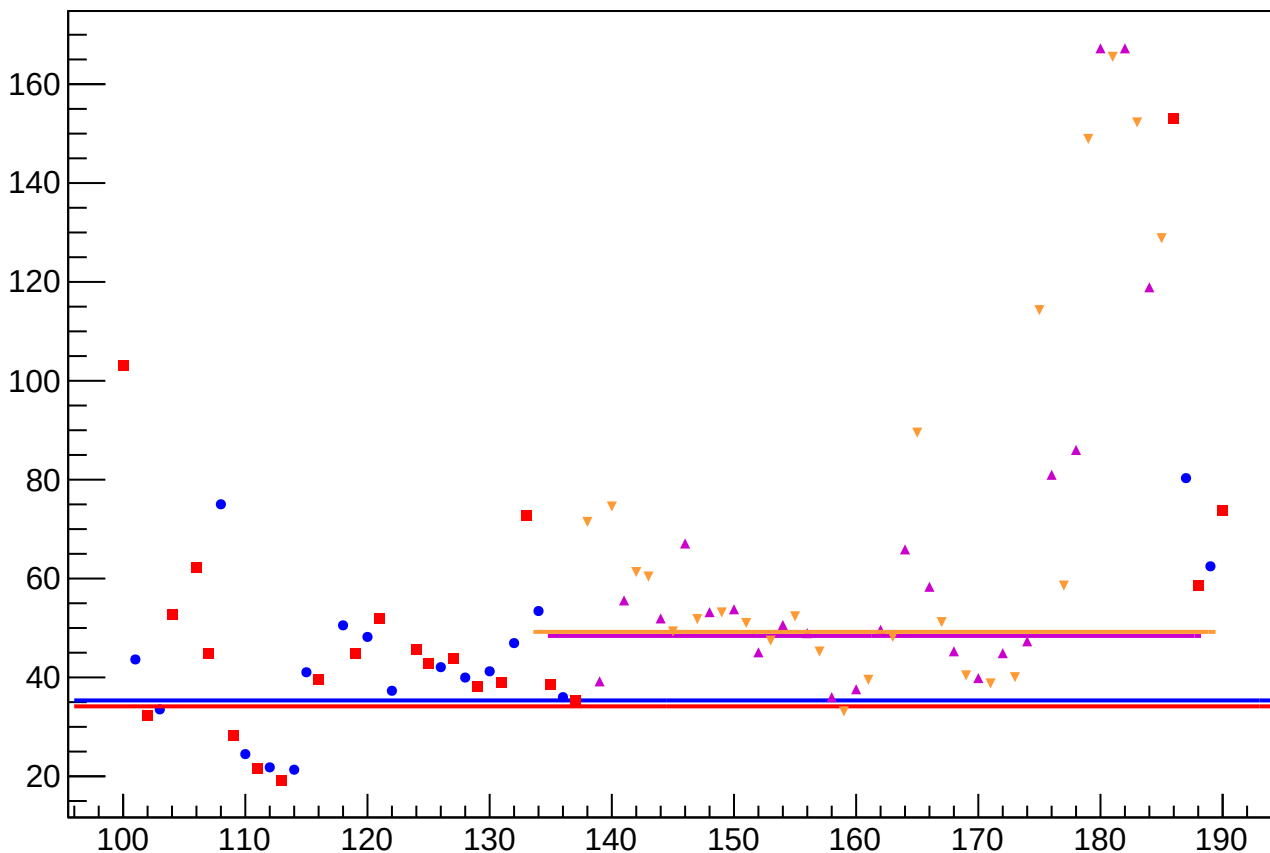
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF:26.1/22

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 52.3/42

All: 0.012 $\pm$ 0.006 χ^2 /NDF: 96.8/87

- sign 0.007 $\pm$ 0.009 χ^2 /NDF: 43.9/44

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.349+/-0.010 χ^2/NDF : 1470531.0/17

Left Out: 49.216+/-0.009 χ^2/NDF : 4171670.0/24

Right Out: 34.147+/-0.009 χ^2/NDF : 2679706.4/21

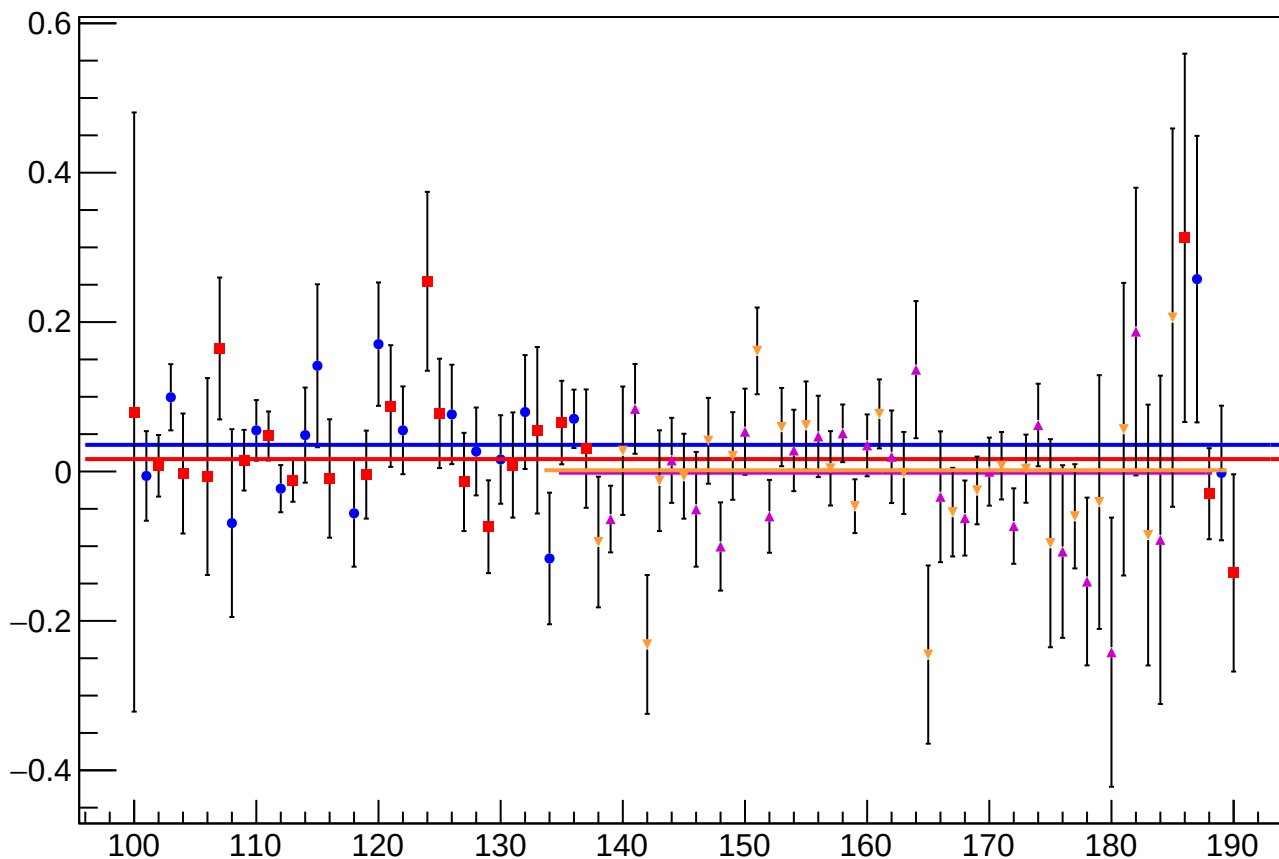
Left In: 48.392+/-0.009 χ^2/NDF : 3033240.8/22

+ sign 43.025+/-0.006 χ^2/NDF : 6777579.3/42

All: 42.232+/-0.005 χ^2/NDF : 13805536.4/87

- sign 41.486+/-0.006 χ^2/NDF : 6998792.0/44

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.014 χ^2 /NDF: 18.5/17

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF:30.4/24

Right Out: 0.017 $\pm$ 0.013 χ^2 /NDF: 16.8/21

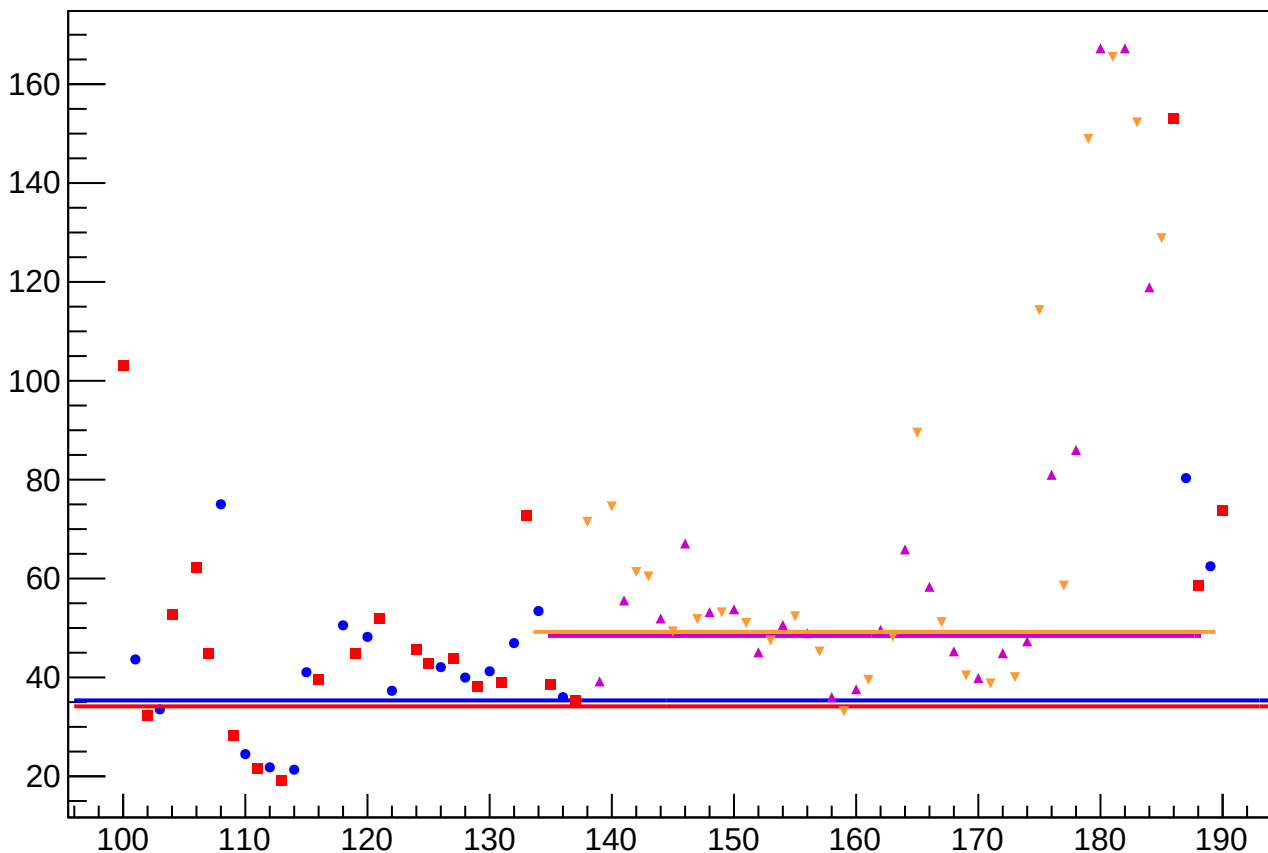
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF:26.1/22

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 52.3/42

All: 0.012 $\pm$ 0.006 χ^2 /NDF: 96.8/87

- sign 0.007 $\pm$ 0.009 χ^2 /NDF: 43.9/44

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.349 $\pm$ 0.010 χ^2 /NDF: 1470531.0/17

Left Out: 49.216 $\pm$ 0.009 χ^2 /NDF: 4171670.0/24

Right Out: 34.147 $\pm$ 0.009 χ^2 /NDF: 2679706.4/21

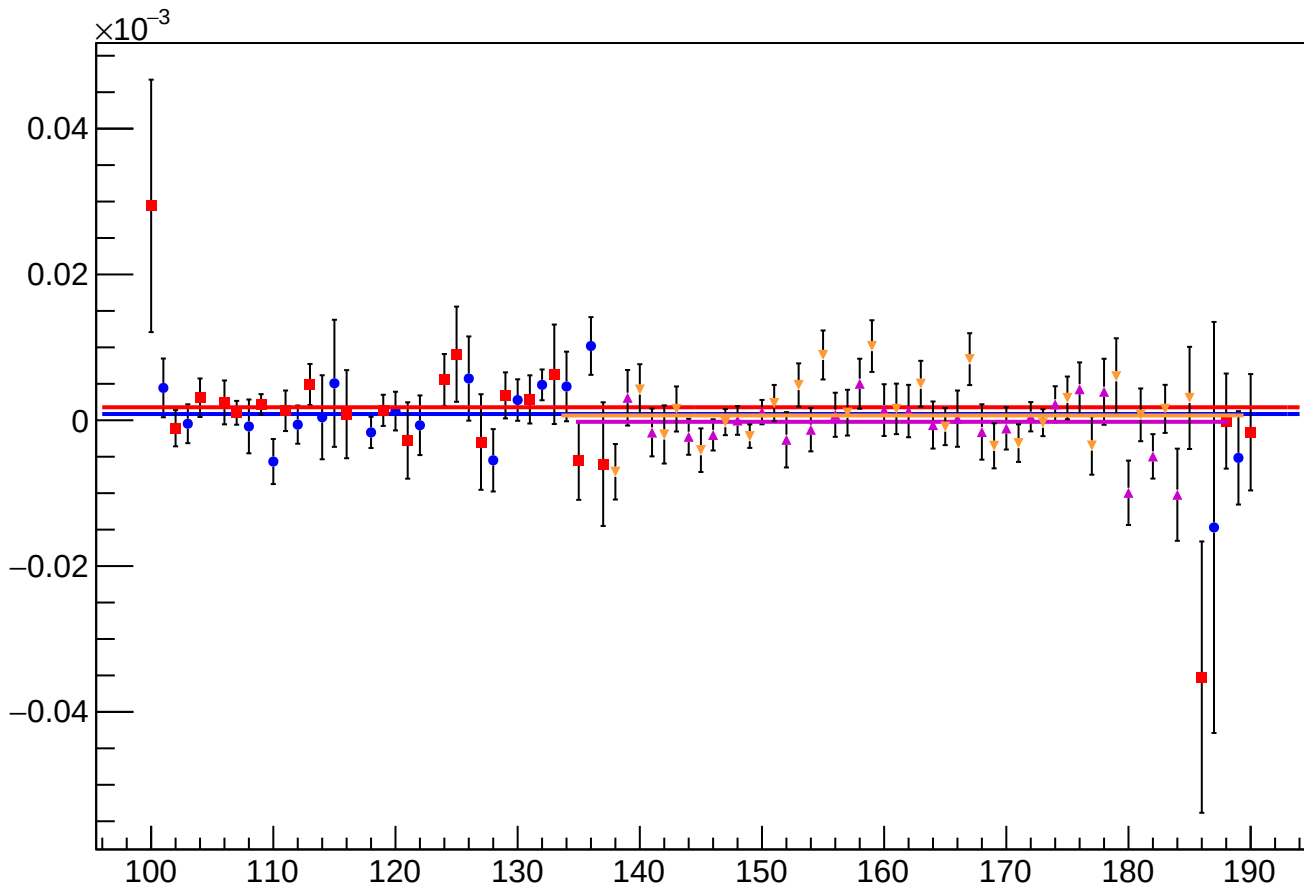
Left In: 48.392 $\pm$ 0.009 χ^2 /NDF: 3033240.8/22

+ sign 43.025 $\pm$ 0.006 χ^2 /NDF: 6777579.3/42

All: 42.232 $\pm$ 0.005 χ^2 /NDF: 13805536.4/87

- sign 41.486 $\pm$ 0.006 χ^2 /NDF: 6998792.0/44

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 22.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:41.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.1/21

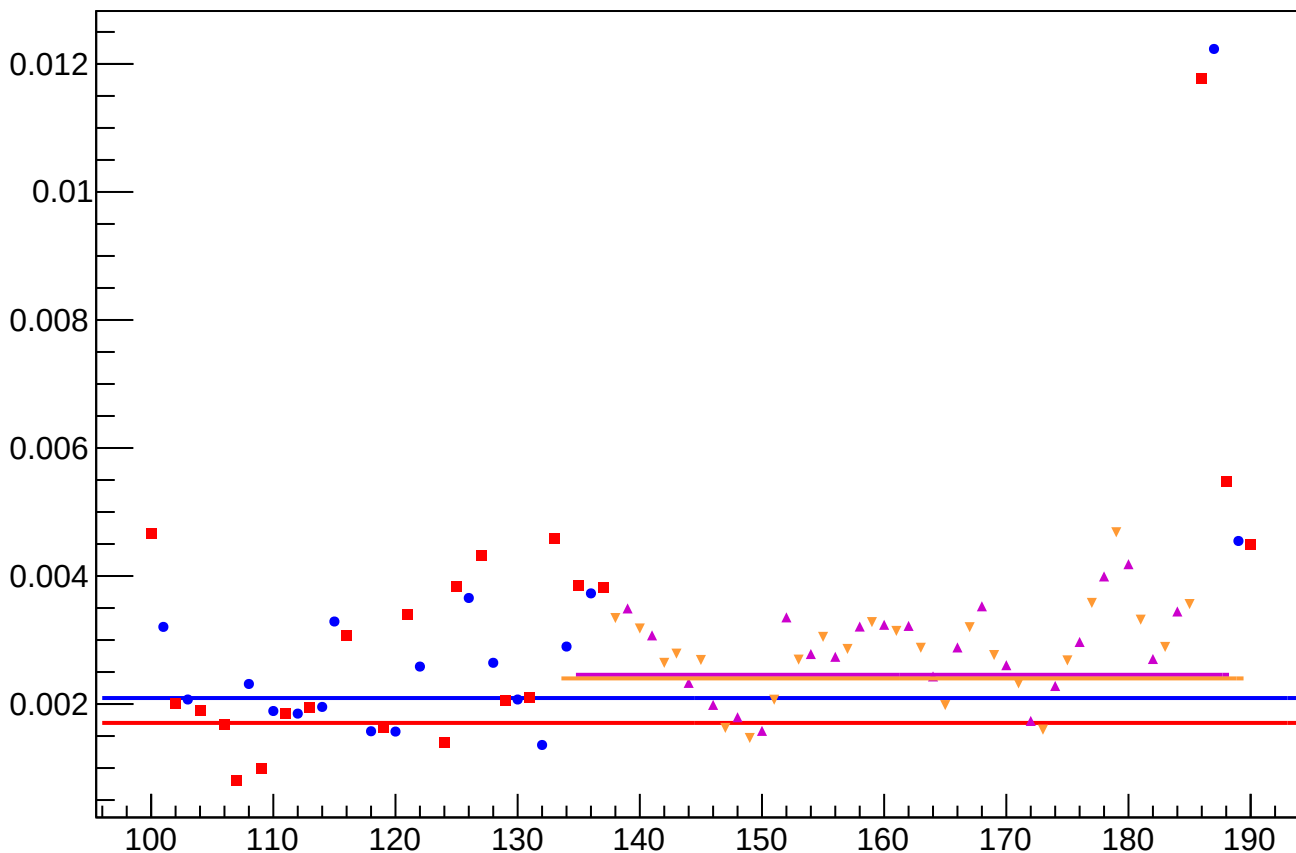
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:19.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 63.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 105.7/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41.8/44

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1820006.3/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3123870.1/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4447614.0/21

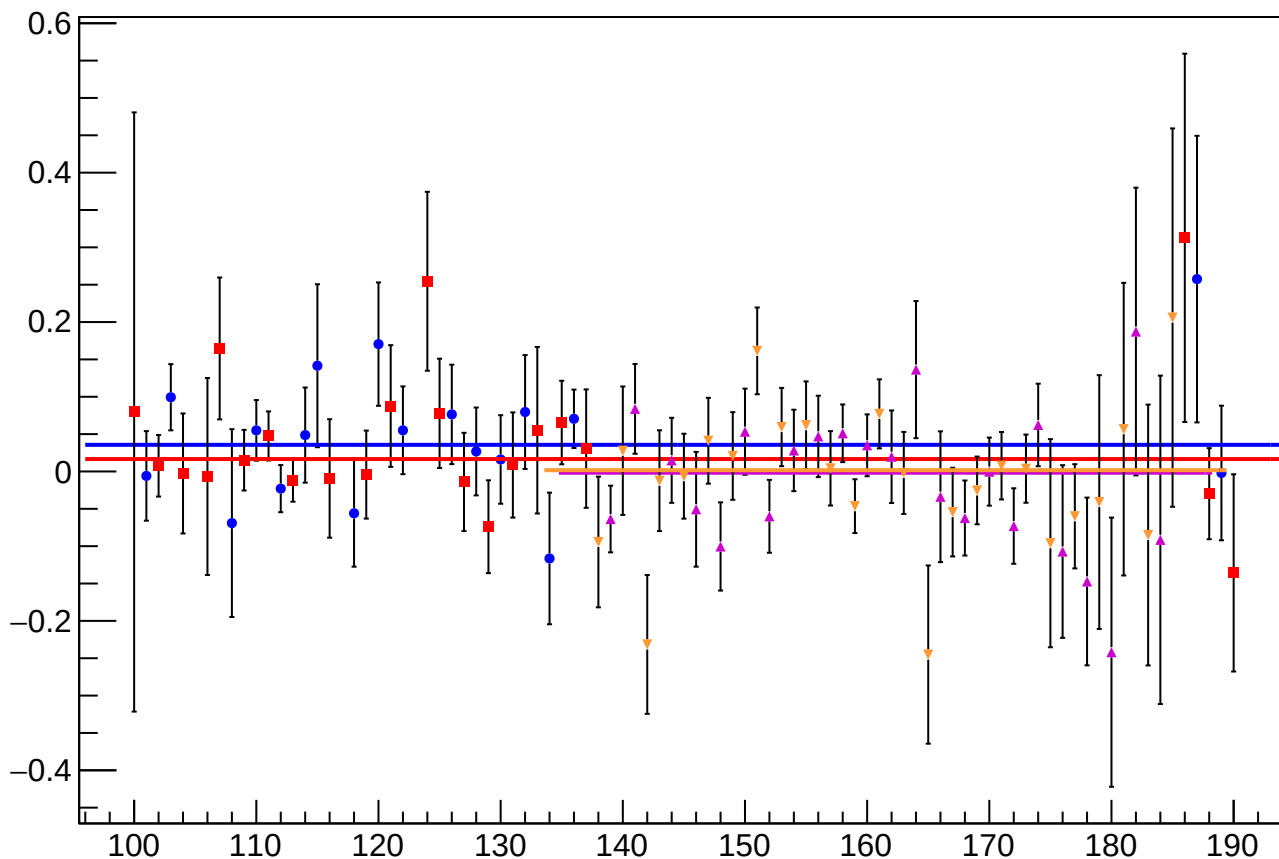
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2629718.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5137292.6/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 13776443.0/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8485834.1/44

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.014 χ^2 /NDF: 18.5/17

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF:30.4/24

Right Out: 0.017 $\pm$ 0.013 χ^2 /NDF: 16.8/21

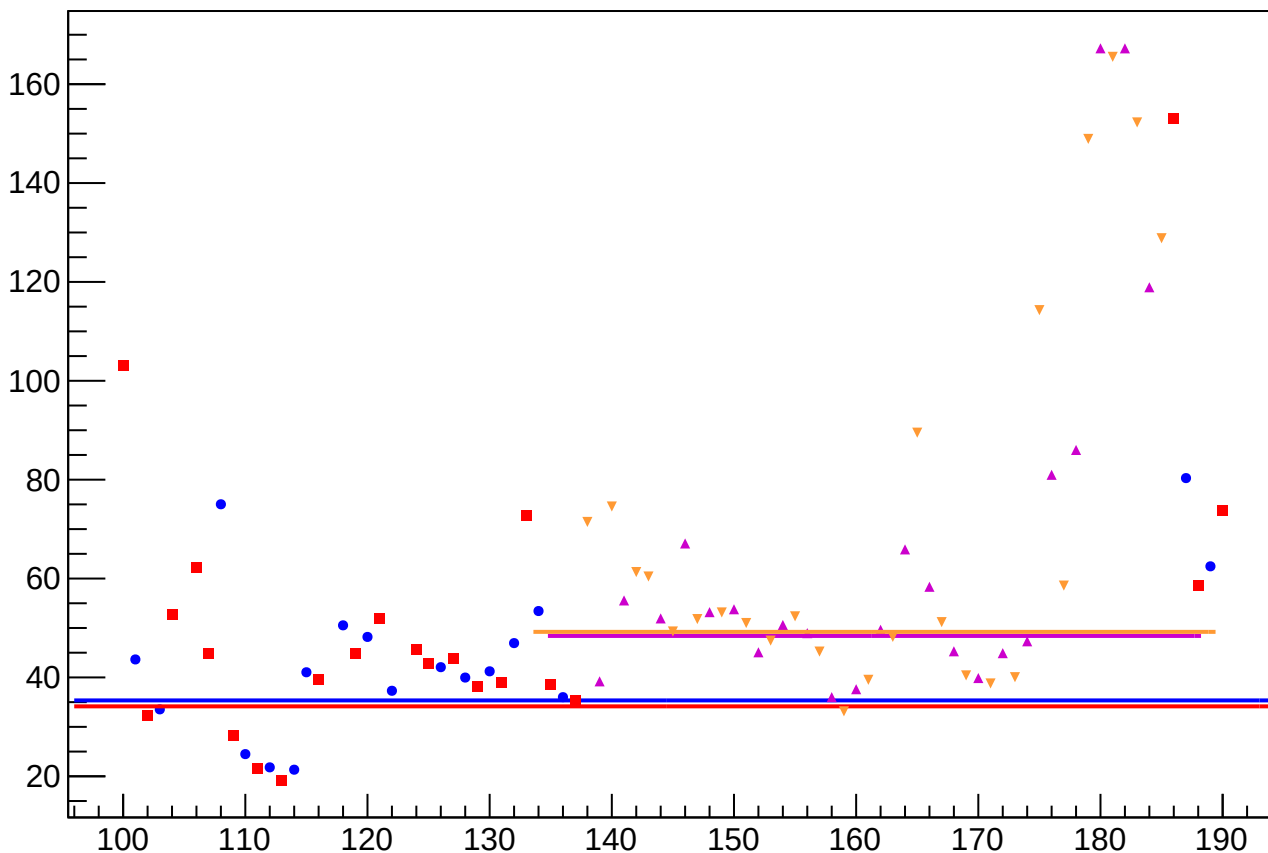
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF:26.1/22

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 52.3/42

All: 0.012 $\pm$ 0.006 χ^2 /NDF: 96.8/87

- sign 0.007 $\pm$ 0.009 χ^2 /NDF: 43.9/44

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.349 $\pm$ 0.010 χ^2 /NDF: 1470475.8/17

Left Out: 49.217 $\pm$ 0.009 χ^2 /NDF:4171640.8/24

Right Out: 34.148 $\pm$ 0.009 χ^2 /NDF: 2679701.0/21

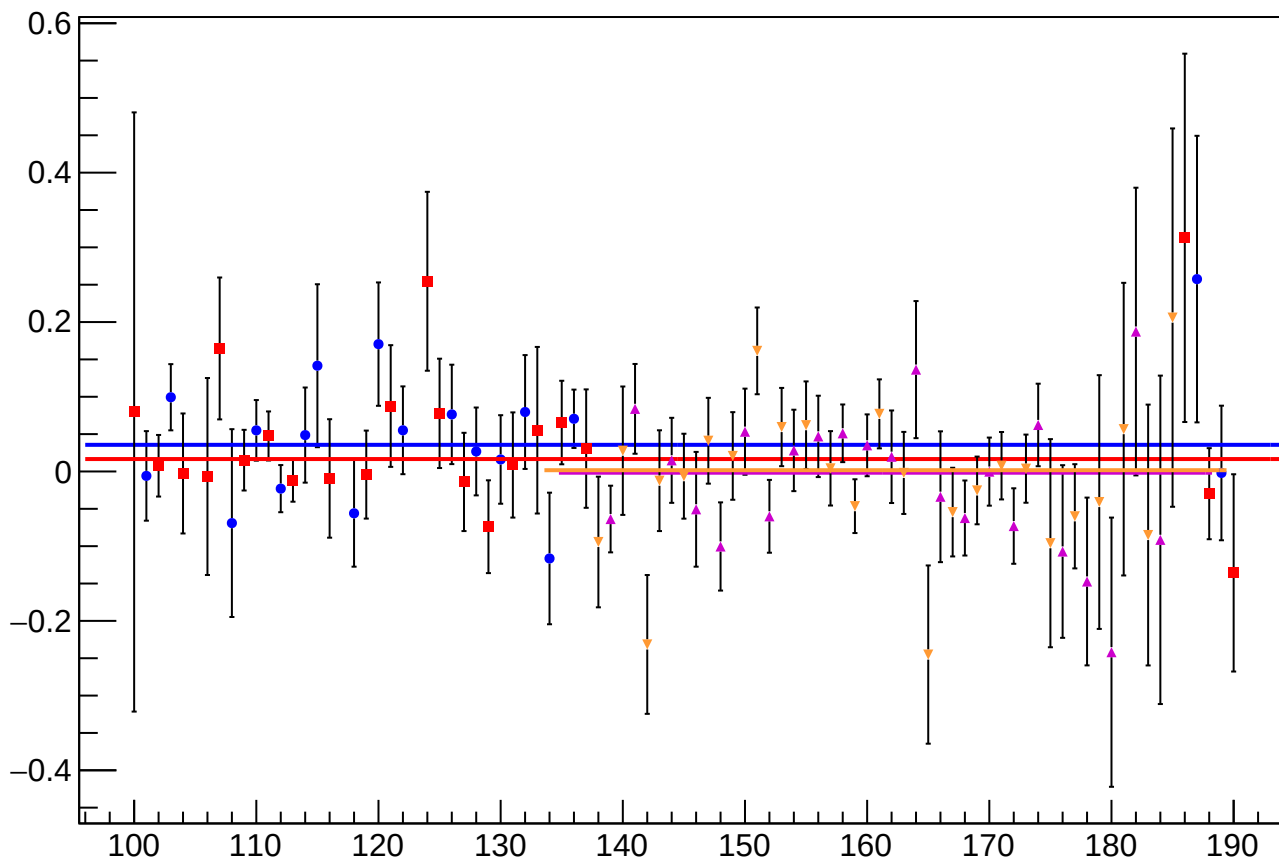
Left In: 48.393 $\pm$ 0.009 χ^2 /NDF:3033208.4/22

+ sign 43.026 $\pm$ 0.006 χ^2 /NDF: 6777513.9/42

All: 42.233 $\pm$ 0.005 χ^2 /NDF: 13805429.5/87

- sign 41.486 $\pm$ 0.006 χ^2 /NDF: 6998752.5/44

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036 $\pm$ 0.014 χ^2 /NDF: 18.5/17

Left Out: 0.002 $\pm$ 0.012 χ^2 /NDF:30.4/24

Right Out: 0.017 $\pm$ 0.013 χ^2 /NDF: 16.8/21

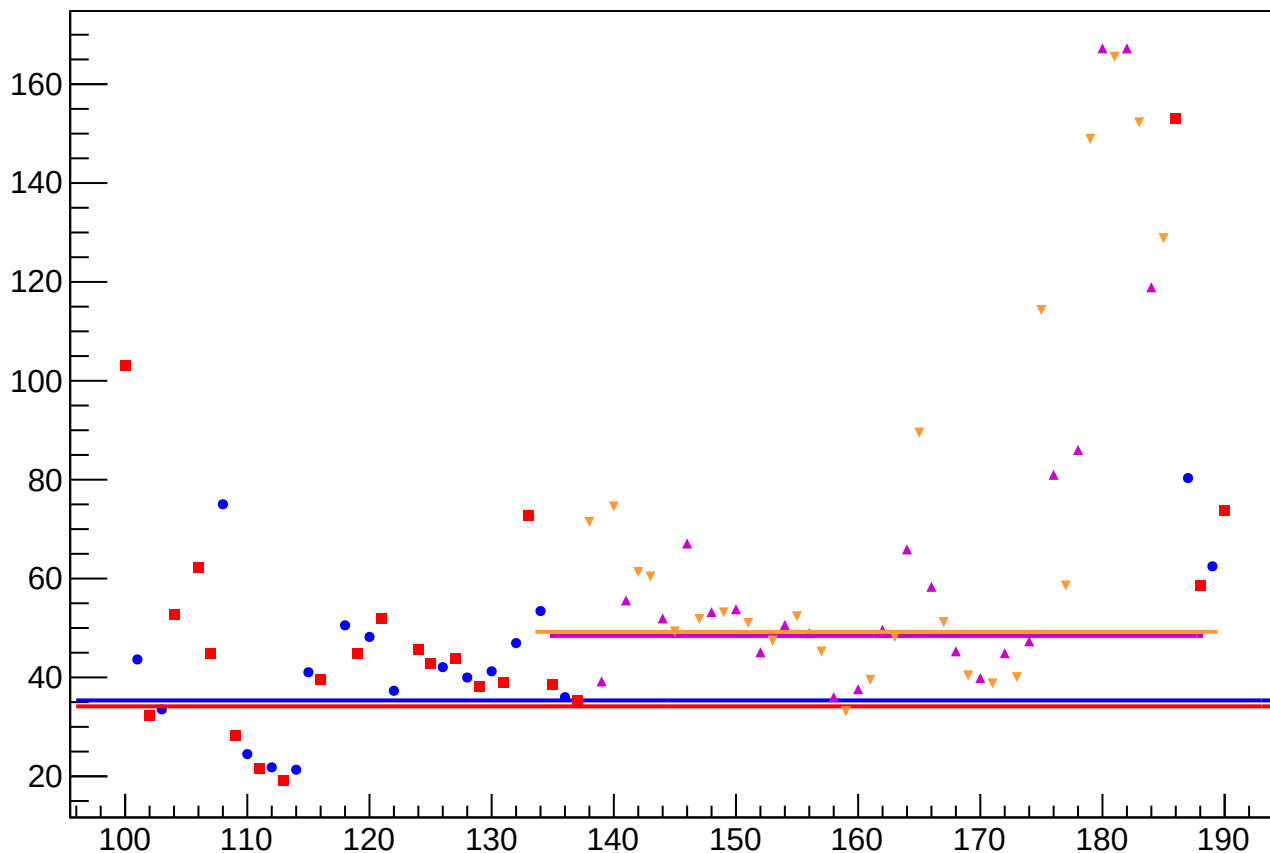
Left In: -0.002 $\pm$ 0.012 χ^2 /NDF:26.1/22

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 52.3/42

All: 0.012 $\pm$ 0.006 χ^2 /NDF: 96.8/87

- sign 0.007 $\pm$ 0.009 χ^2 /NDF: 43.9/44

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.349 $\pm$ 0.010 χ^2 /NDF: 1470475.8/17

Left Out: 49.217 $\pm$ 0.009 χ^2 /NDF: 4171640.8/24

Right Out: 34.148 $\pm$ 0.009 χ^2 /NDF: 2679701.0/21

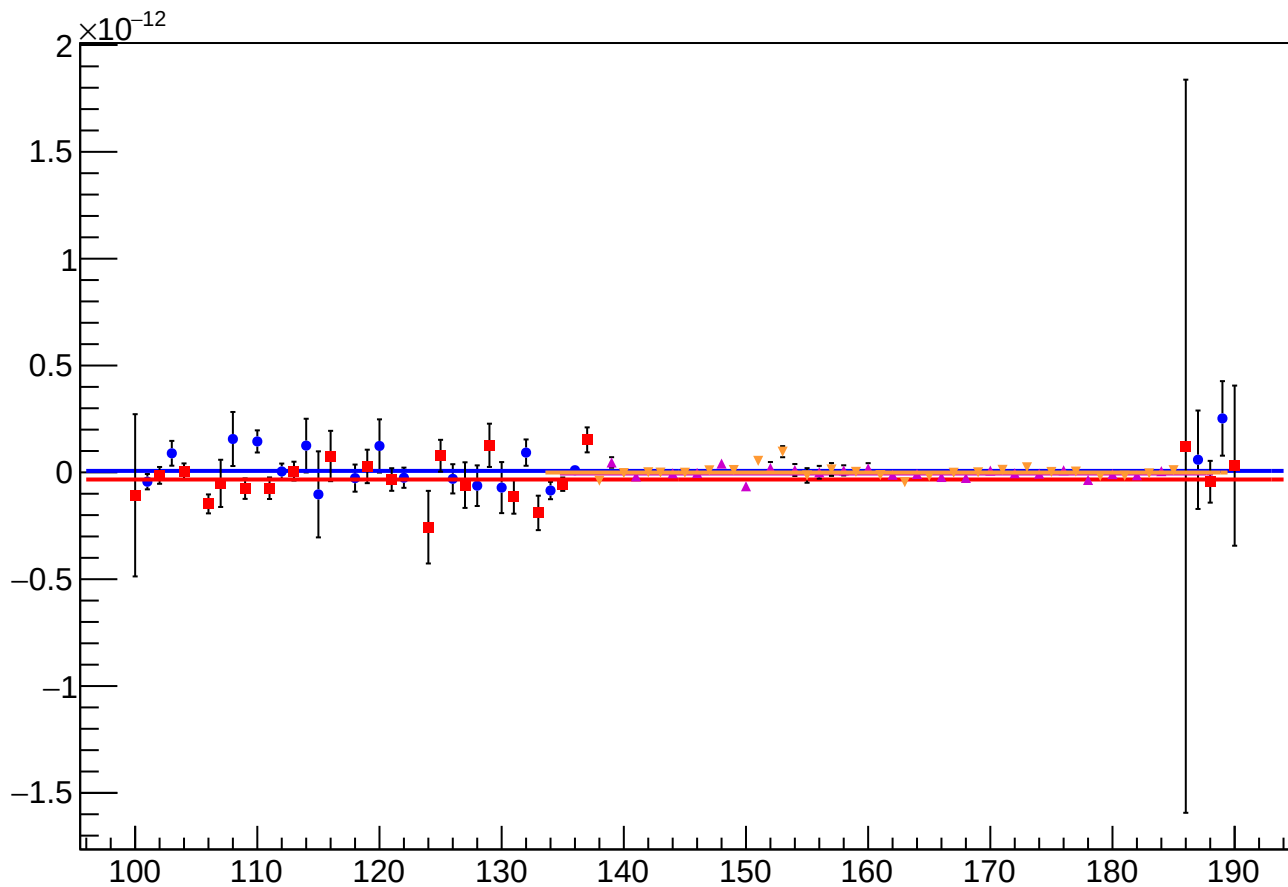
Left In: 48.393 $\pm$ 0.009 χ^2 /NDF: 3033208.4/22

+ sign 43.026 $\pm$ 0.006 χ^2 /NDF: 6777513.9/42

All: 42.233 $\pm$ 0.005 χ^2 /NDF: 13805429.5/87

- sign 41.486 $\pm$ 0.006 χ^2 /NDF: 6998752.5/44

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 25.6/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 37.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 33.5/21

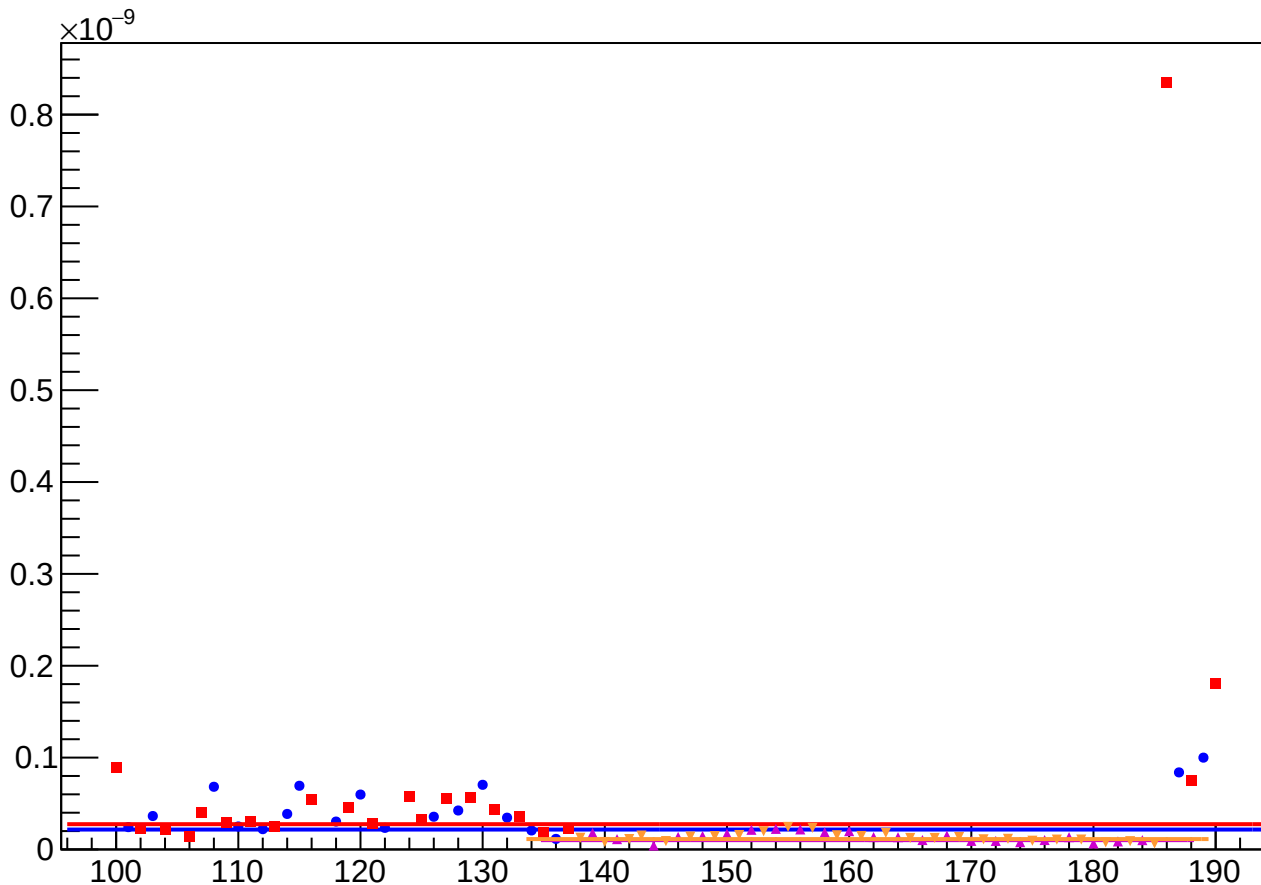
Left In: -0.000 ± 0.000 χ^2/NDF : 28.4/22

+ sign -0.000 ± 0.000 χ^2/NDF : 63.0/42

All: -0.000 ± 0.000 χ^2/NDF : 131.8/87

- sign -0.000 ± 0.000 χ^2/NDF : 66.4/44

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2633976.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2206266.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 2474347.7/21

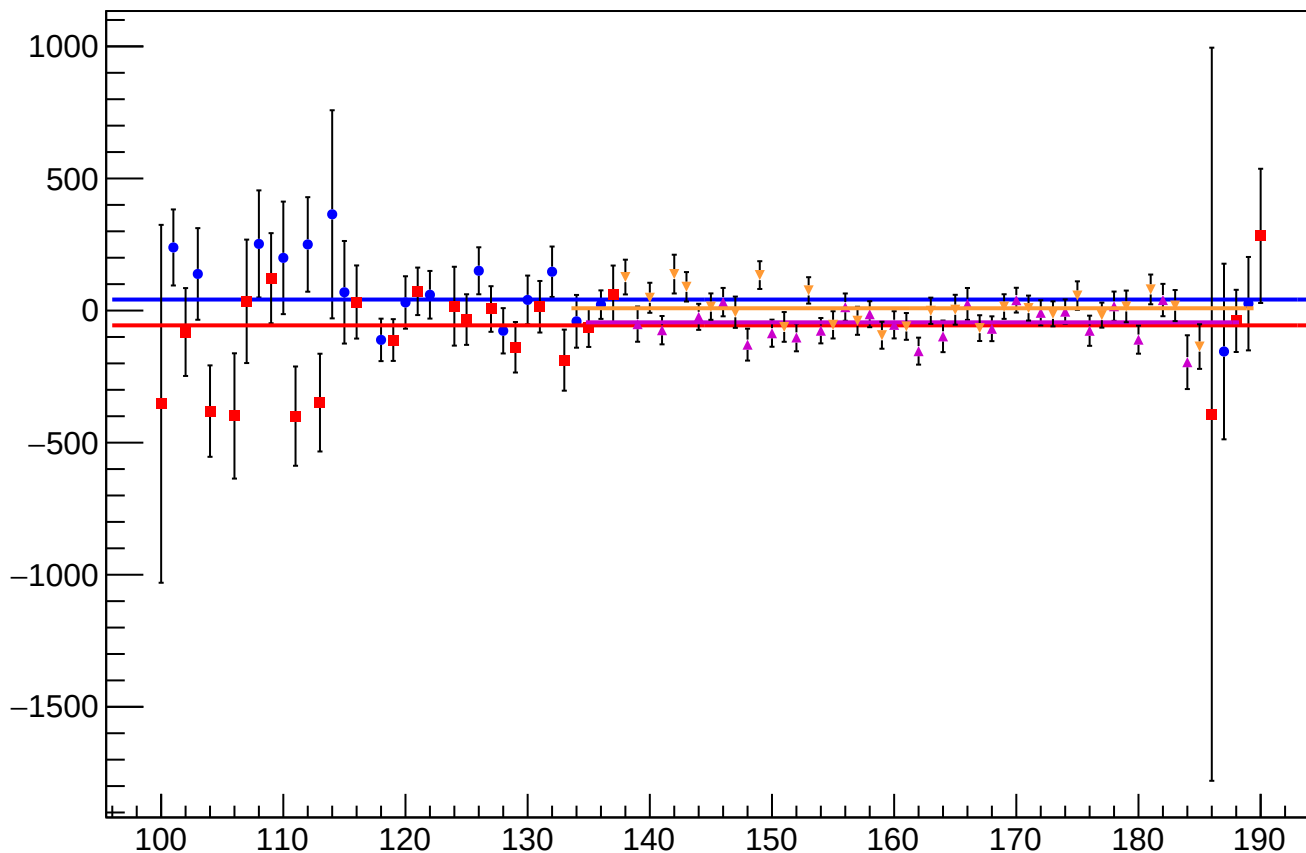
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 4024430.8/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 6374010.7/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 16374452.6/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 9908002.3/44

reg_asym_sam_1526_avg_mean vs Slug



Right In: 41.731 ± 25.436 χ^2/NDF : 15.3/17

Left Out: 8.756 ± 10.770 χ^2/NDF : 34.6/24

Right Out: -56.029 ± 26.076 χ^2/NDF : 22.3/21

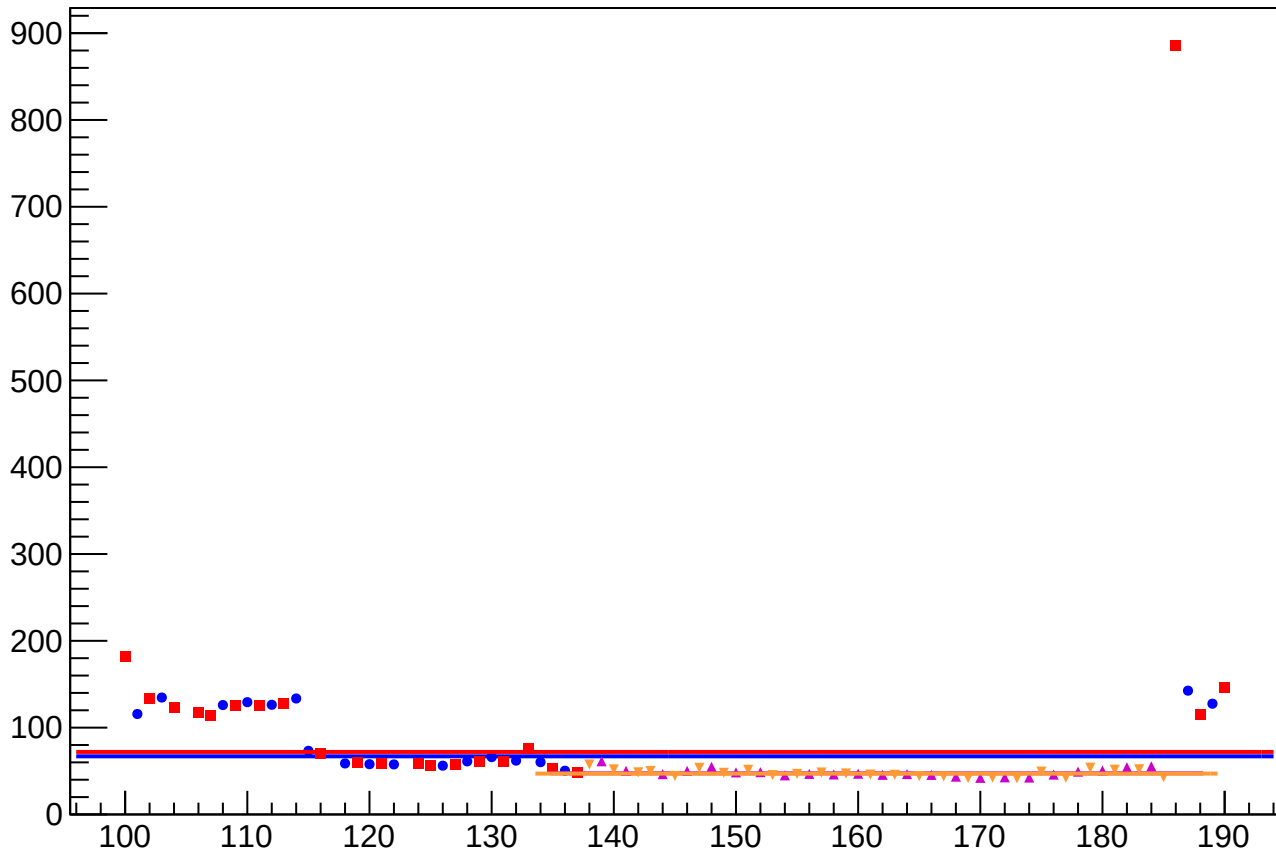
Left In: -44.541 ± 11.149 χ^2/NDF : 27.0/22

+ sign 13.768 ± 9.917 χ^2/NDF : 51.3/42

All: -15.280 ± 7.128 χ^2/NDF : 118.6/87

- sign -46.317 ± 10.251 χ^2/NDF : 49.5/44

reg_asym_sam_1526_avg_rms vs Slug



Right In: 66.957 ± 0.018 χ^2/NDF : 1794470.9/17

Left Out: 47.064 ± 0.008 χ^2/NDF : 287590.7/24

Right Out: 72.015 ± 0.018 χ^2/NDF : 2790785.6/21

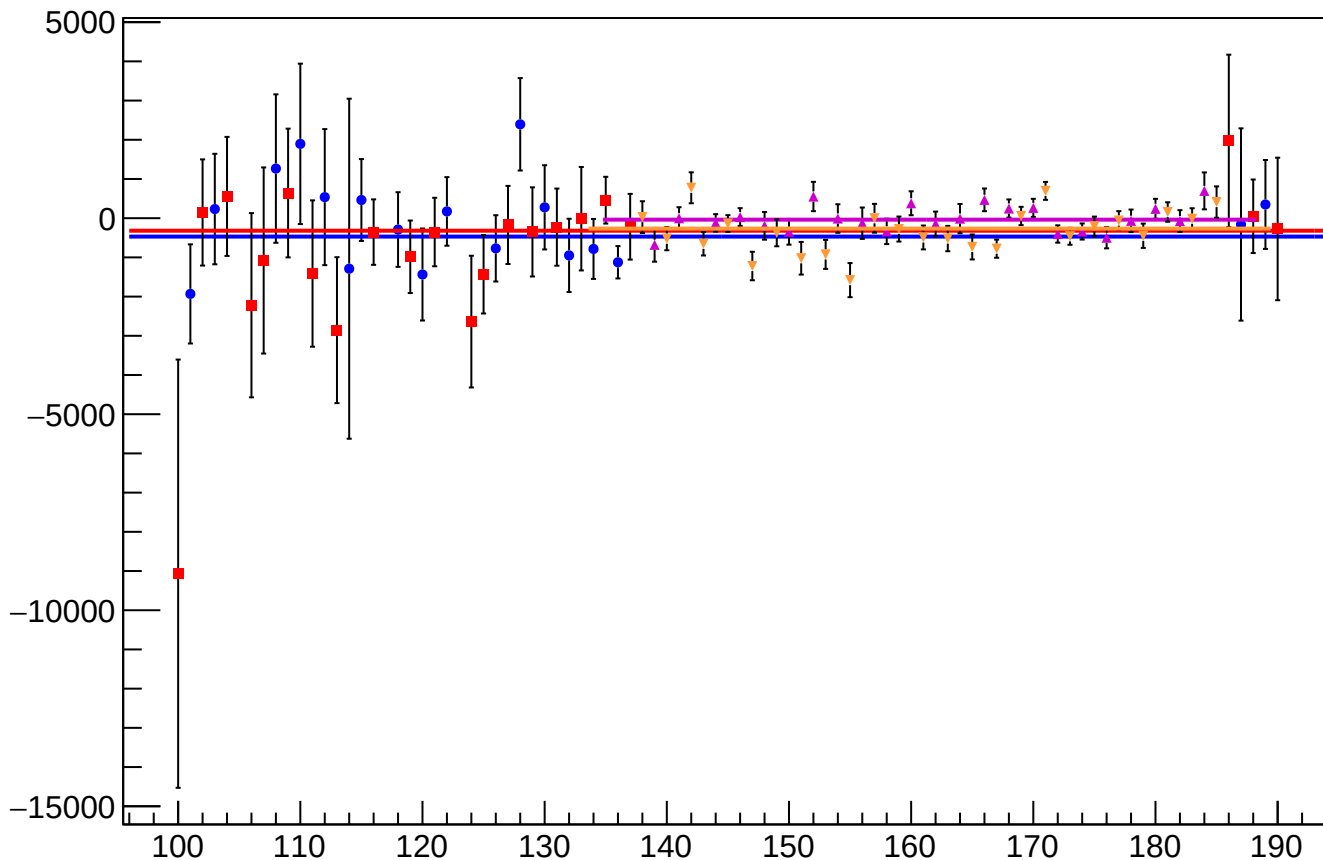
Left In: 47.384 ± 0.008 χ^2/NDF : 271036.5/22

+ sign 50.088 ± 0.007 χ^2/NDF : 3119351.0/42

All: 50.621 ± 0.005 χ^2/NDF : 7701922.6/87

- sign 51.190 ± 0.007 χ^2/NDF : 4570626.5/44

asym_sam_1526_avg_reg_correction_mean vs Slug



Right In: -469.270 $\pm$ 230.905 χ^2 /NDF: 16.2/17

Left Out: -265.684 $\pm$ 58.031 χ^2 /NDF: 69.8/24

Right Out: -319.373 $\pm$ 243.562 χ^2 /NDF: 13.0/21

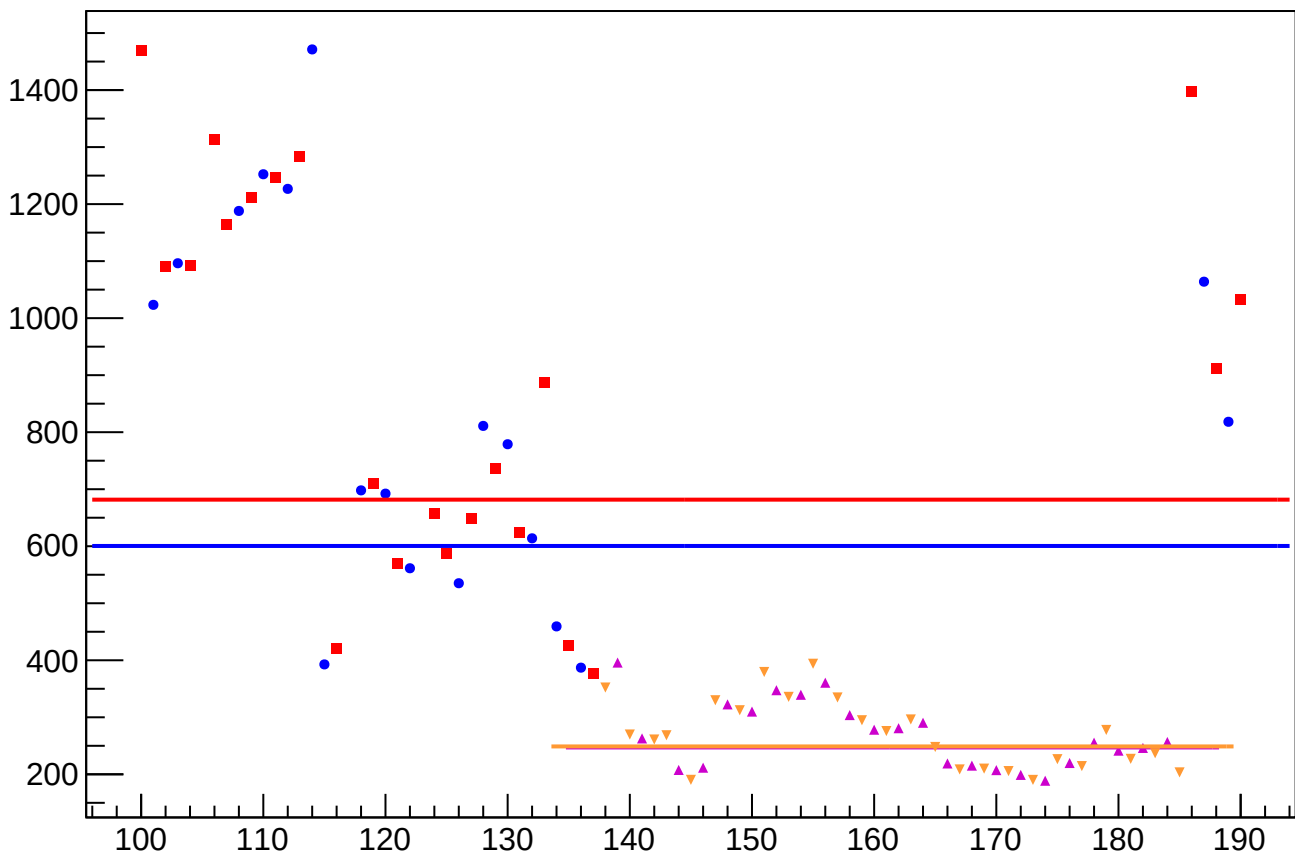
Left In: -37.530 $\pm$ 59.159 χ^2 /NDF: 26.6/22

+ sign -277.779 $\pm$ 56.281 χ^2 /NDF: 86.7/42

All: -167.887 $\pm$ 40.217 χ^2 /NDF: 135.4/87

- sign -53.231 $\pm$ 57.488 χ^2 /NDF: 40.9/44

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 600.479+/-0.163 χ^2/NDF : 2205147.8/17

Left Out: 248.891+/-0.041 χ^2/NDF : 1663709.5/24

Right Out: 681.691+/-0.172 χ^2/NDF : 2548125.7/21

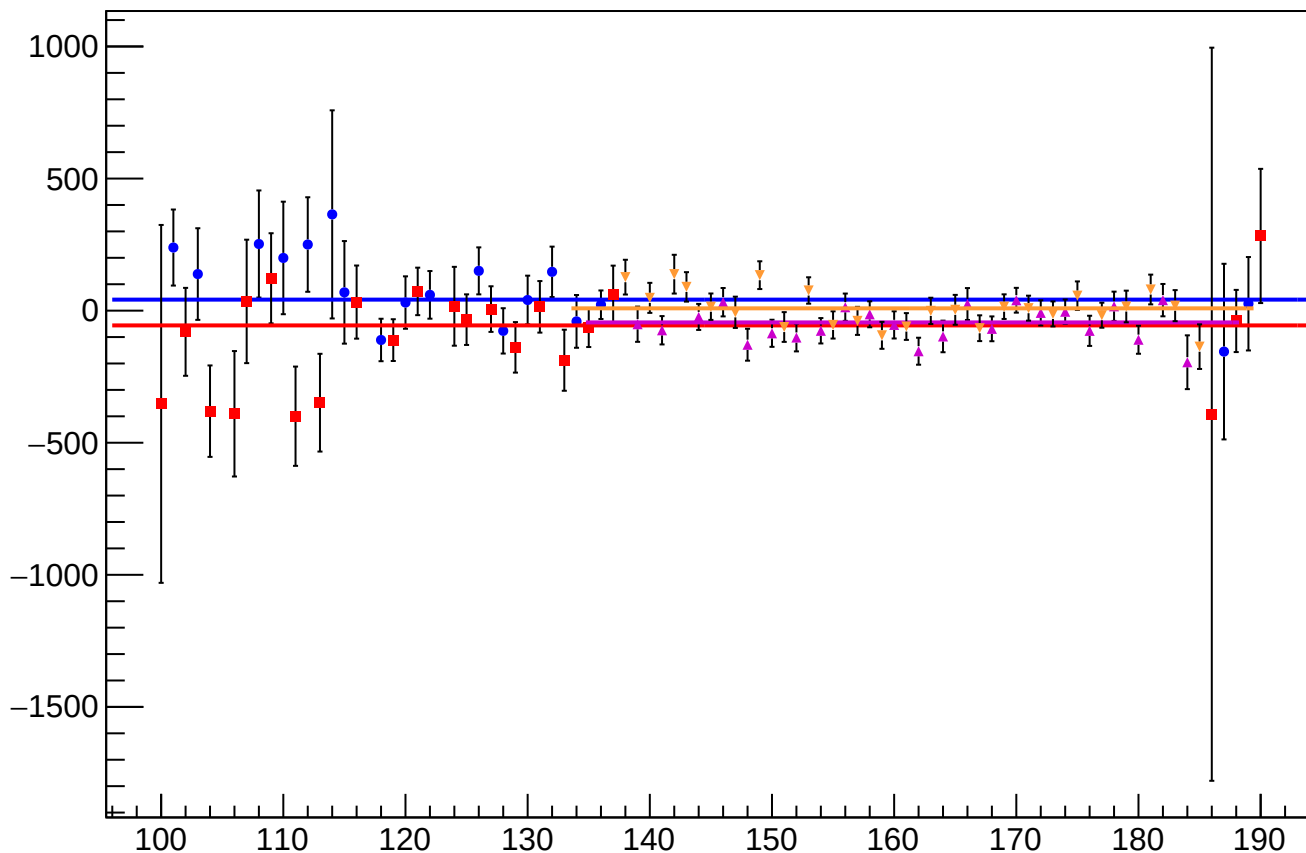
Left In: 247.109+/-0.042 χ^2/NDF : 1484450.6/22

+ sign 269.779+/-0.040 χ^2/NDF : 8230312.7/42

All: 270.533+/-0.028 χ^2/NDF : 18276212.6/87

- sign 271.320+/-0.041 χ^2/NDF : 10045165.9/44

cor_asym_sam_1526_avg_mean vs Slug



Right In: 41.724 $\pm$ 25.436 χ^2 /NDF: 15.3/17

Left Out: 8.758 $\pm$ 10.770 χ^2 /NDF: 34.6/24

Right Out: -55.887 $\pm$ 26.076 χ^2 /NDF: 22.2/21

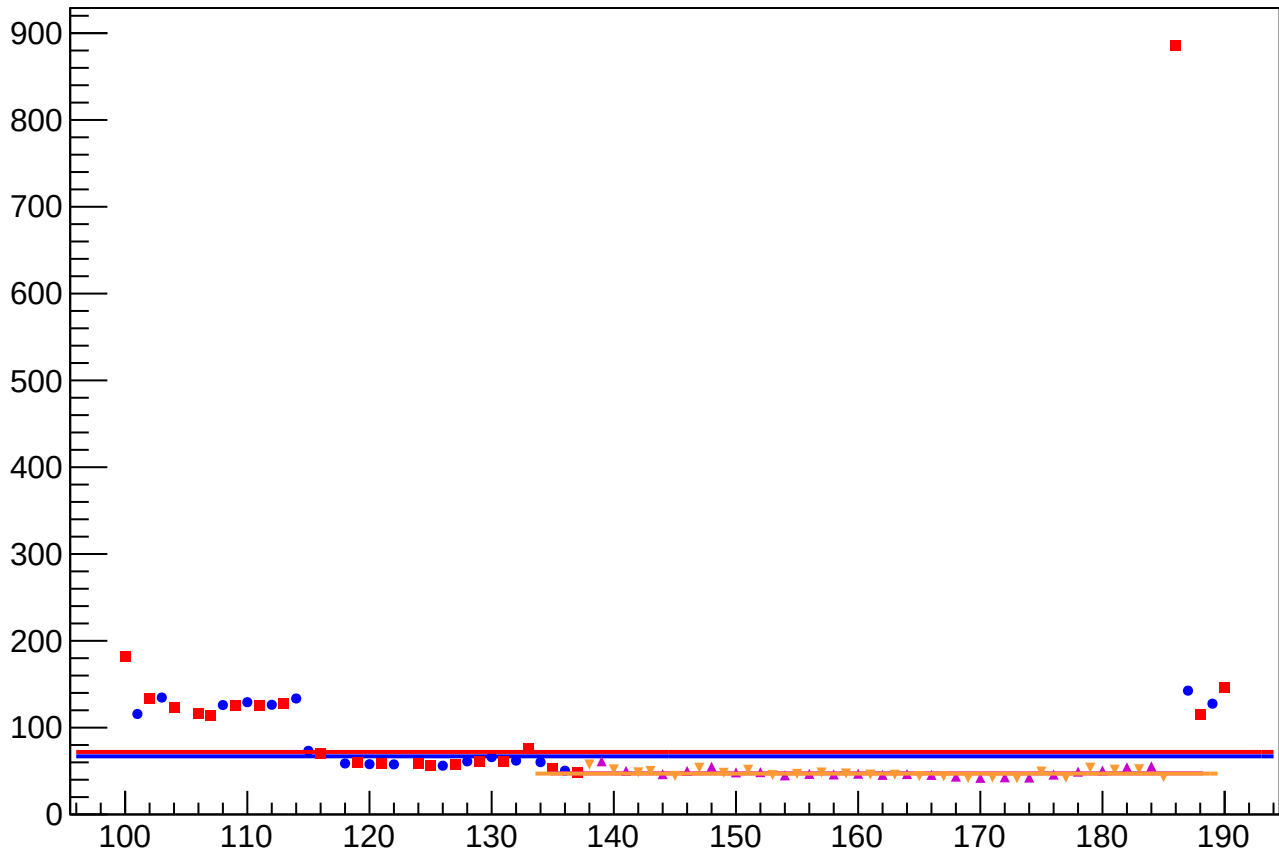
Left In: -44.540 $\pm$ 11.149 χ^2 /NDF: 27.0/22

+ sign 13.769 $\pm$ 9.917 χ^2 /NDF: 51.3/42

All: -15.269 $\pm$ 7.128 χ^2 /NDF: 118.4/87

- sign -46.294 $\pm$ 10.251 χ^2 /NDF: 49.4/44

cor_asym_sam_1526_avg_rms vs Slug



Right In: 66.957 $\pm$ 0.018 χ^2 /NDF: 1794473.2/17

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 72.002 $\pm$ 0.018 χ^2 /NDF: 2787709.6/21

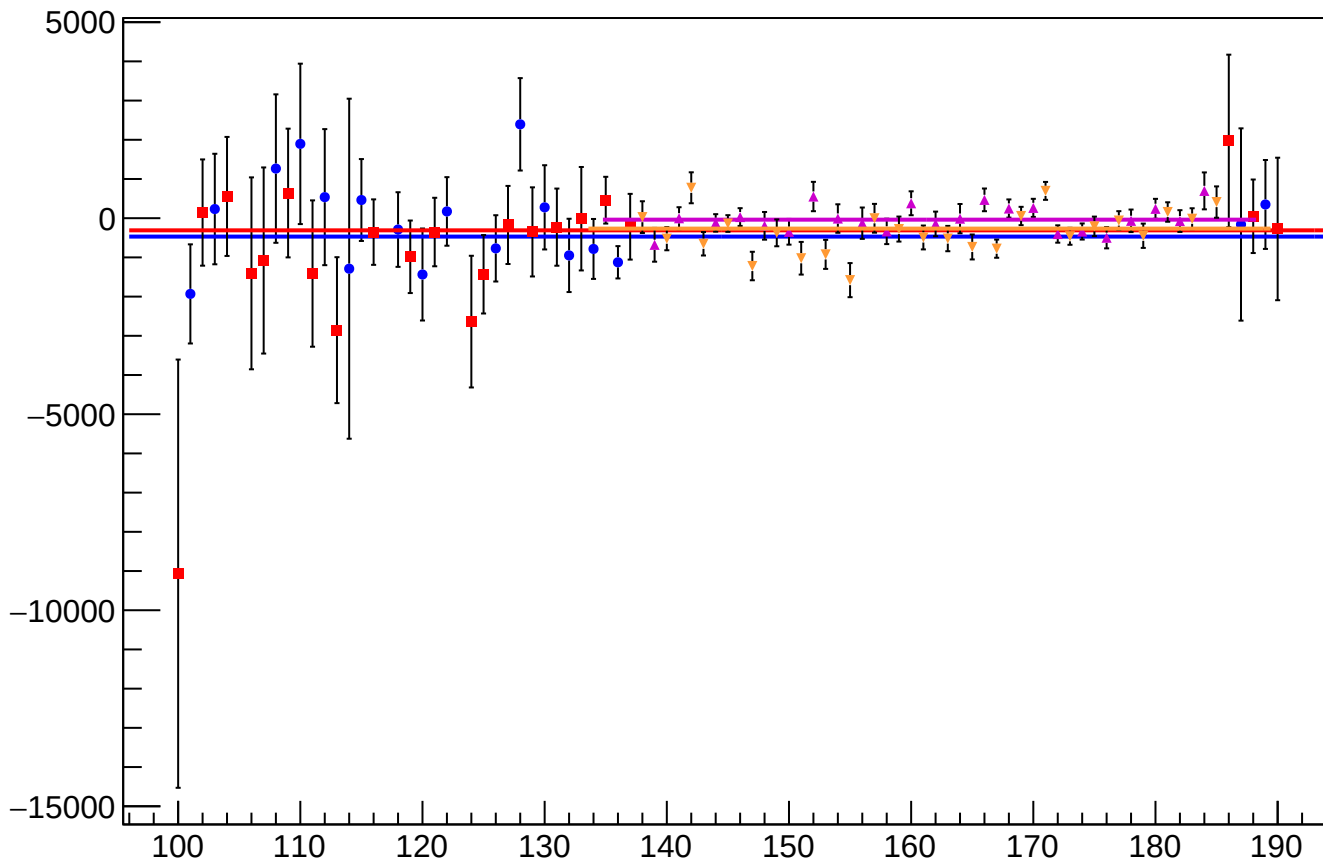
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 50.088 $\pm$ 0.007 χ^2 /NDF: 3119353.0/42

All: 50.620 $\pm$ 0.005 χ^2 /NDF: 7697092.8/87

- sign 51.188 $\pm$ 0.007 χ^2 /NDF: 4565843.3/44

asym_sam_1526_avg_cor_correction_mean vs Slug



Right In: -469.253+/-230.906 χ^2/NDF : 16.2/17

Left Out: -265.680+/-58.031 χ^2/NDF : 69.8/24

Right Out: -309.792+/-243.670 χ^2/NDF : 12.6/21

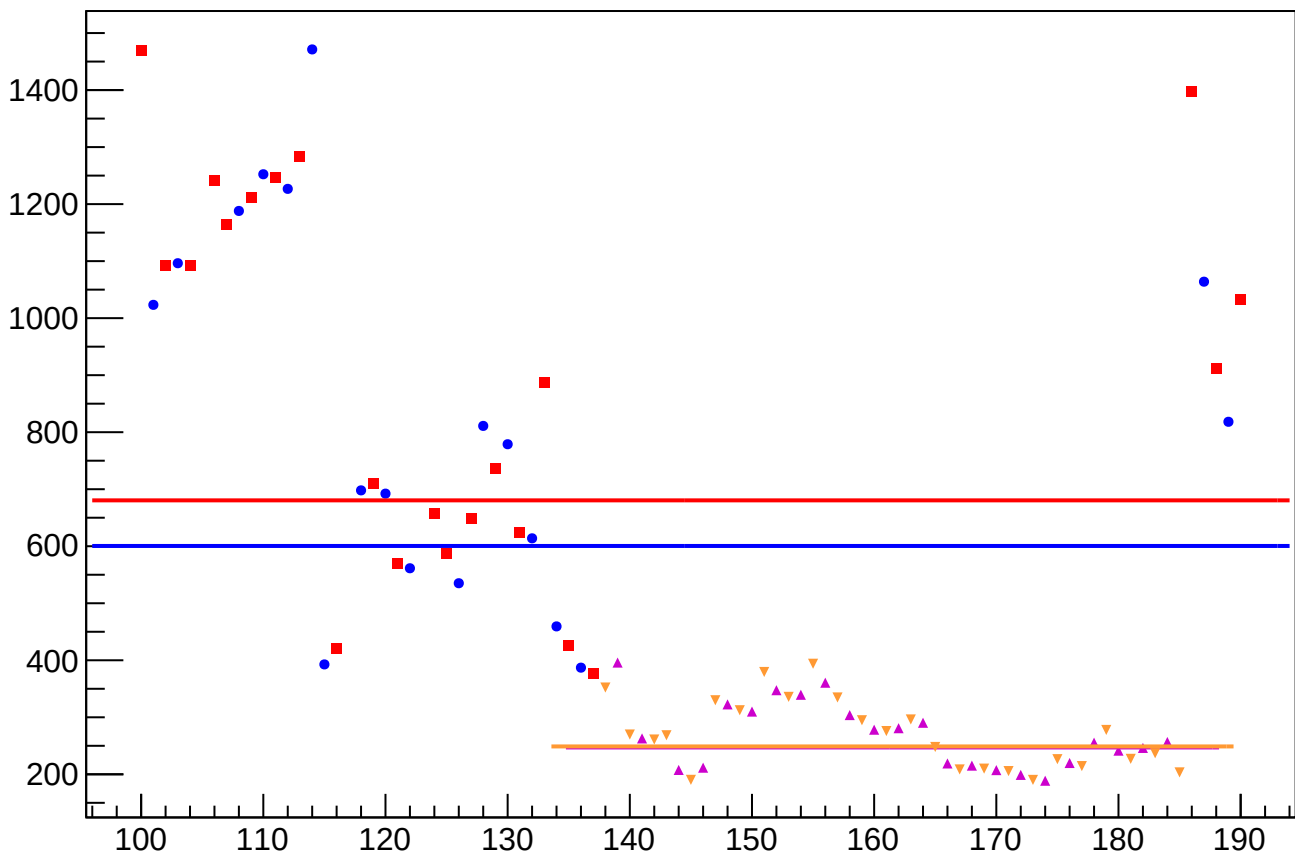
Left In: -37.527+/-59.159 χ^2/NDF : 26.6/22

+ sign -277.774+/-56.281 χ^2/NDF : 86.7/42

All: -167.618+/-40.217 χ^2/NDF : 134.9/87

- sign -52.682+/-57.489 χ^2/NDF : 40.4/44

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 600.479+/-0.163 χ^2/NDF : 2205185.2/17

Left Out: 248.891+/-0.041 χ^2/NDF : 1663717.9/24

Right Out: 680.451+/-0.172 χ^2/NDF : 2508551.9/21

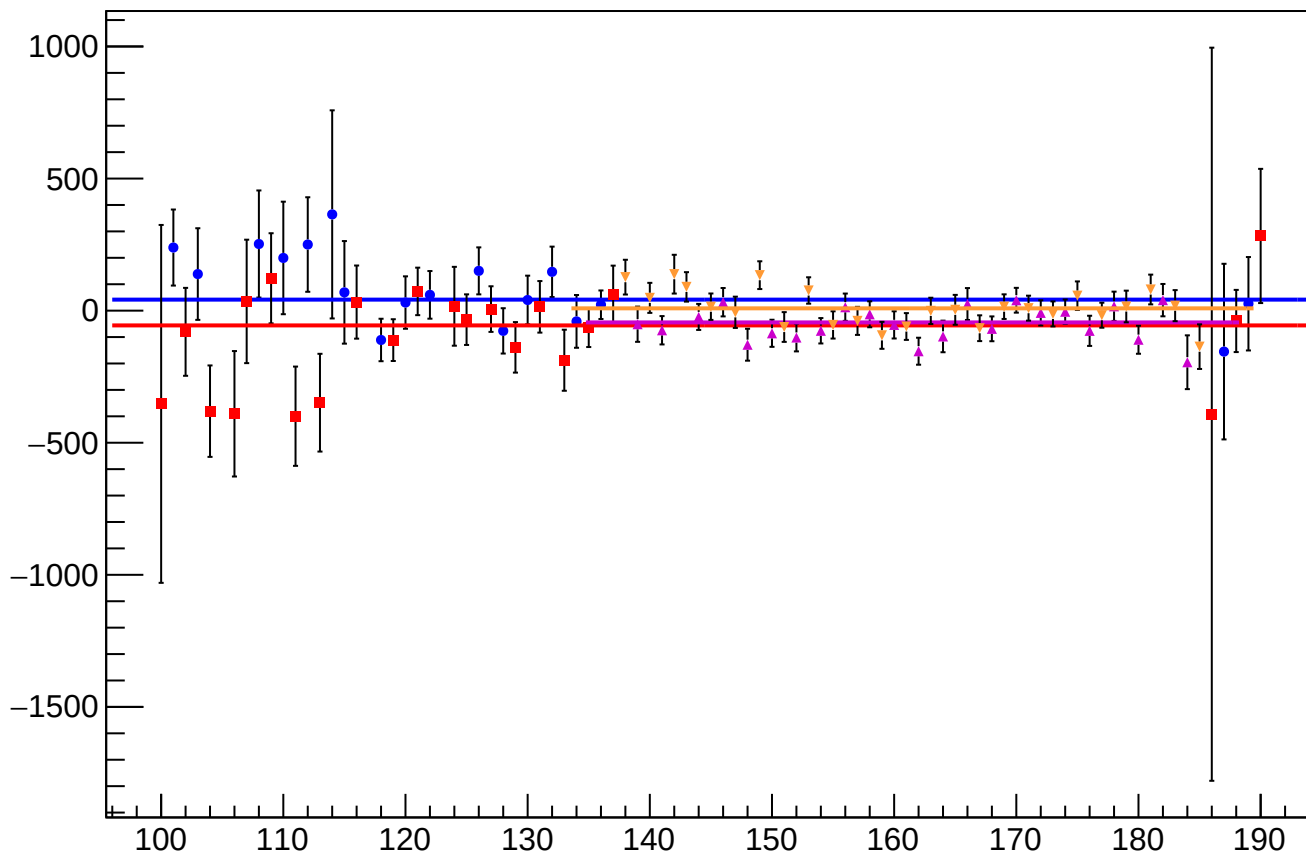
Left In: 247.109+/-0.042 χ^2/NDF : 1484445.1/22

+ sign 269.778+/-0.040 χ^2/NDF : 8230345.2/42

All: 270.489+/-0.028 χ^2/NDF : 18197274.6/87

- sign 271.231+/-0.041 χ^2/NDF : 9966277.7/44

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 41.724 ± 25.436 χ^2/NDF : 15.3/17

Left Out: 8.758 ± 10.770 χ^2/NDF : 34.6/24

Right Out: -55.887 ± 26.076 χ^2/NDF : 22.2/21

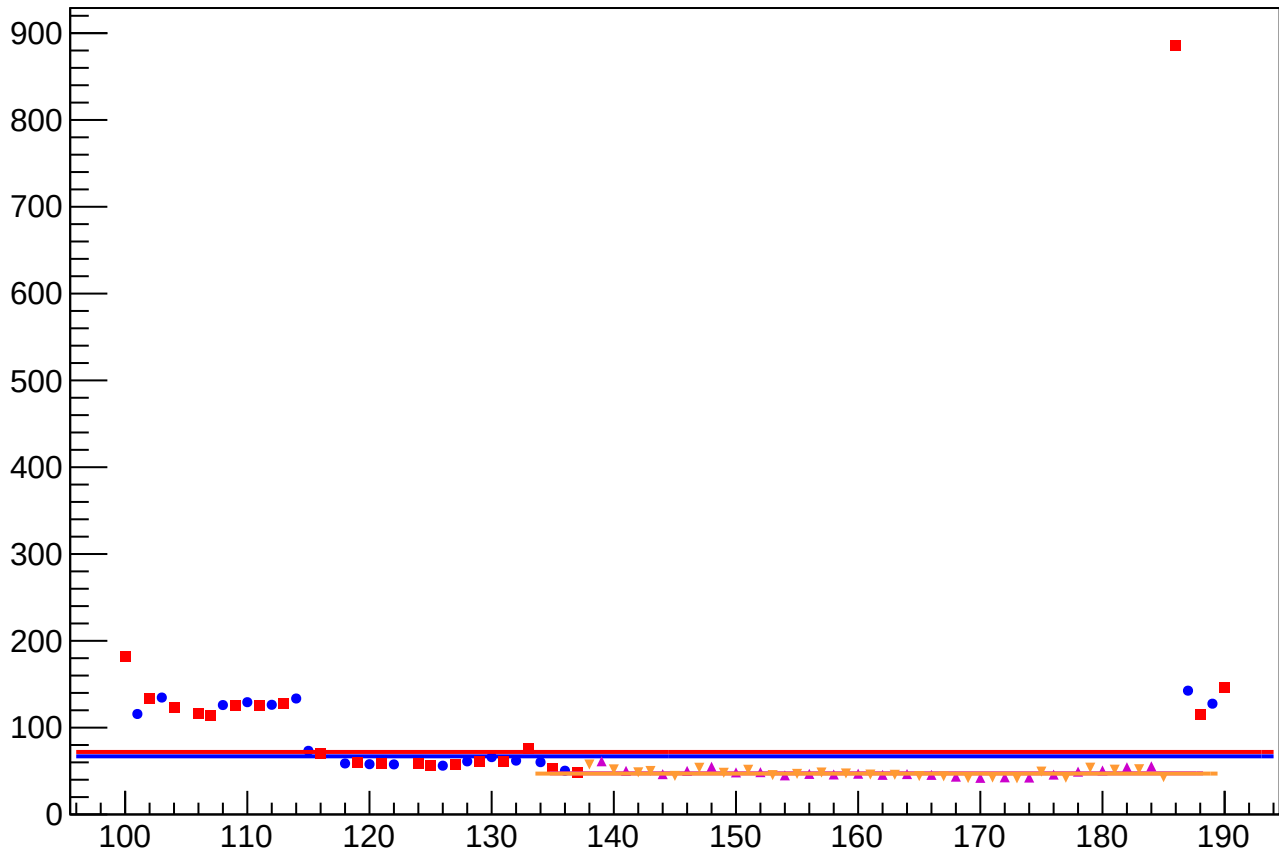
Left In: -44.540 ± 11.149 χ^2/NDF : 27.0/22

+ sign 13.769 ± 9.917 χ^2/NDF : 51.3/42

All: -15.269 ± 7.128 χ^2/NDF : 118.4/87

- sign -46.294 ± 10.251 χ^2/NDF : 49.4/44

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 66.957 $\pm$ 0.018 χ^2 /NDF: 1794473.2/17

Left Out: 47.064 $\pm$ 0.008 χ^2 /NDF: 287590.7/24

Right Out: 72.002 $\pm$ 0.018 χ^2 /NDF: 2787709.6/21

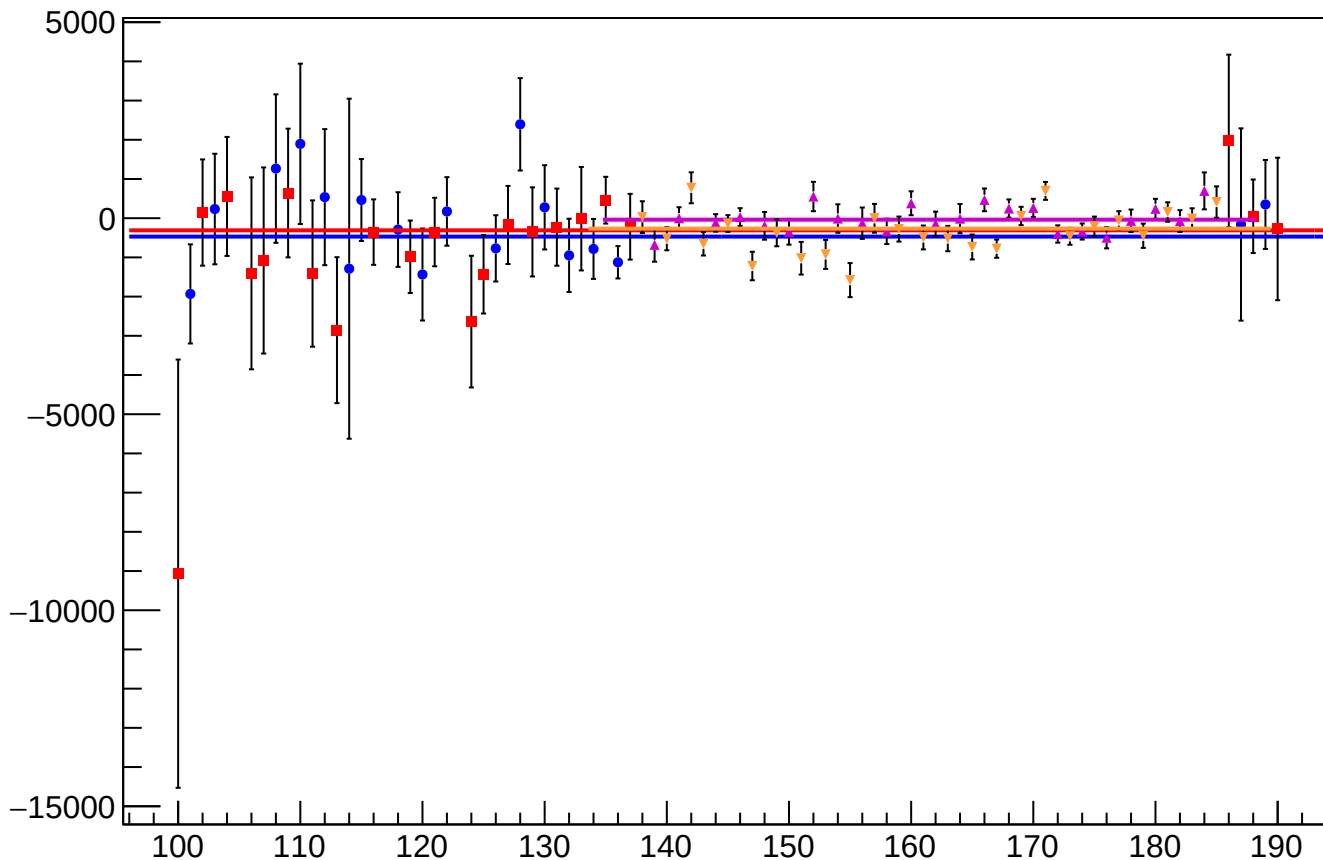
Left In: 47.384 $\pm$ 0.008 χ^2 /NDF: 271036.5/22

+ sign 50.088 $\pm$ 0.007 χ^2 /NDF: 3119353.0/42

All: 50.620 $\pm$ 0.005 χ^2 /NDF: 7697092.8/87

- sign 51.188 $\pm$ 0.007 χ^2 /NDF: 4565843.3/44

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug



Right In: -469.253+/-230.906 χ^2/NDF : 16.2/17

Left Out: -265.680+/-58.031 χ^2/NDF : 69.8/24

Right Out: -309.792+/-243.670 χ^2/NDF : 12.6/21

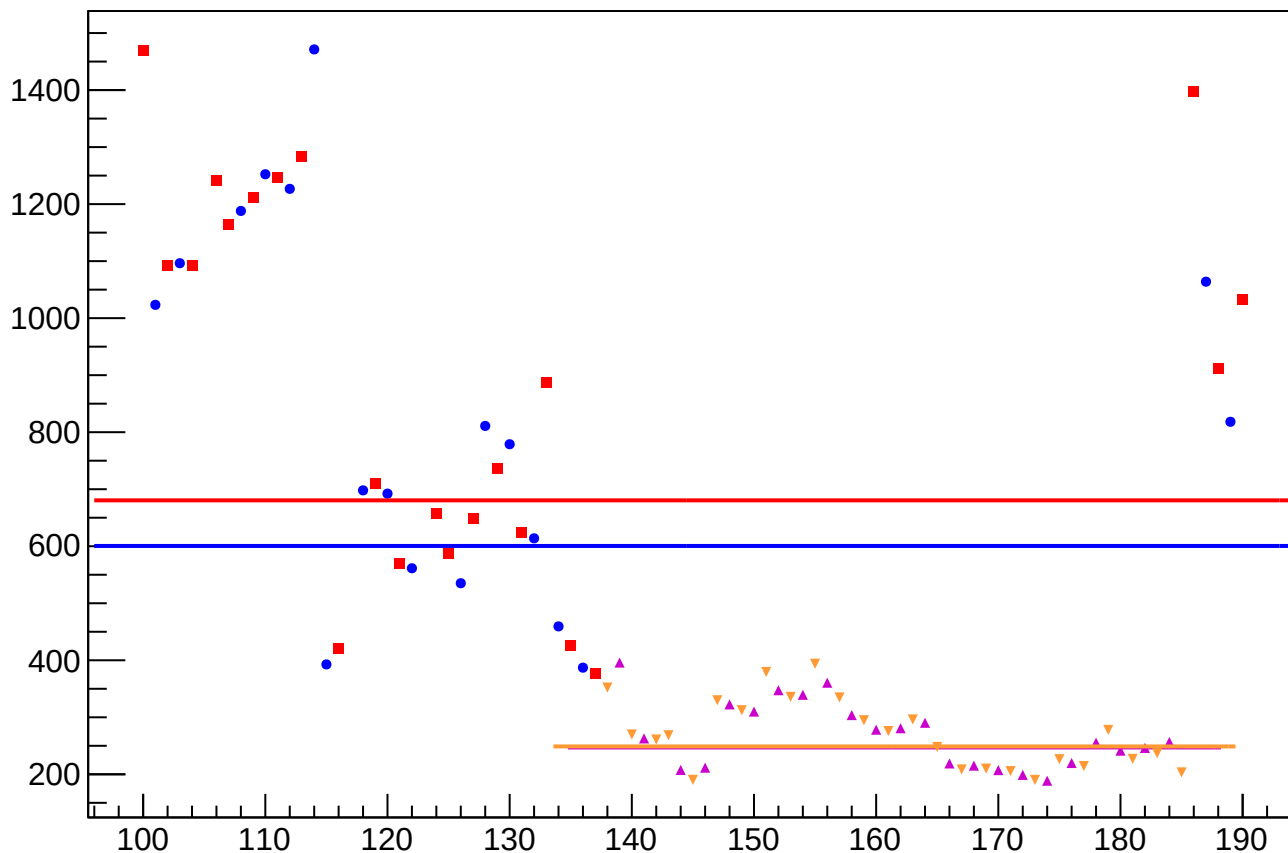
Left In: -37.527+/-59.159 χ^2/NDF : 26.6/22

+ sign -277.774+/-56.281 χ^2/NDF : 86.7/42

All: -167.618+/-40.217 χ^2/NDF : 134.9/87

- sign -52.682+/-57.489 χ^2/NDF : 40.4/44

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug



Right In: 600.479+/-0.163 χ^2/NDF : 2205185.2/17

Left Out: 248.891+/-0.041 χ^2/NDF : 1663717.9/24

Right Out: 680.451+/-0.172 χ^2/NDF : 2508551.9/21

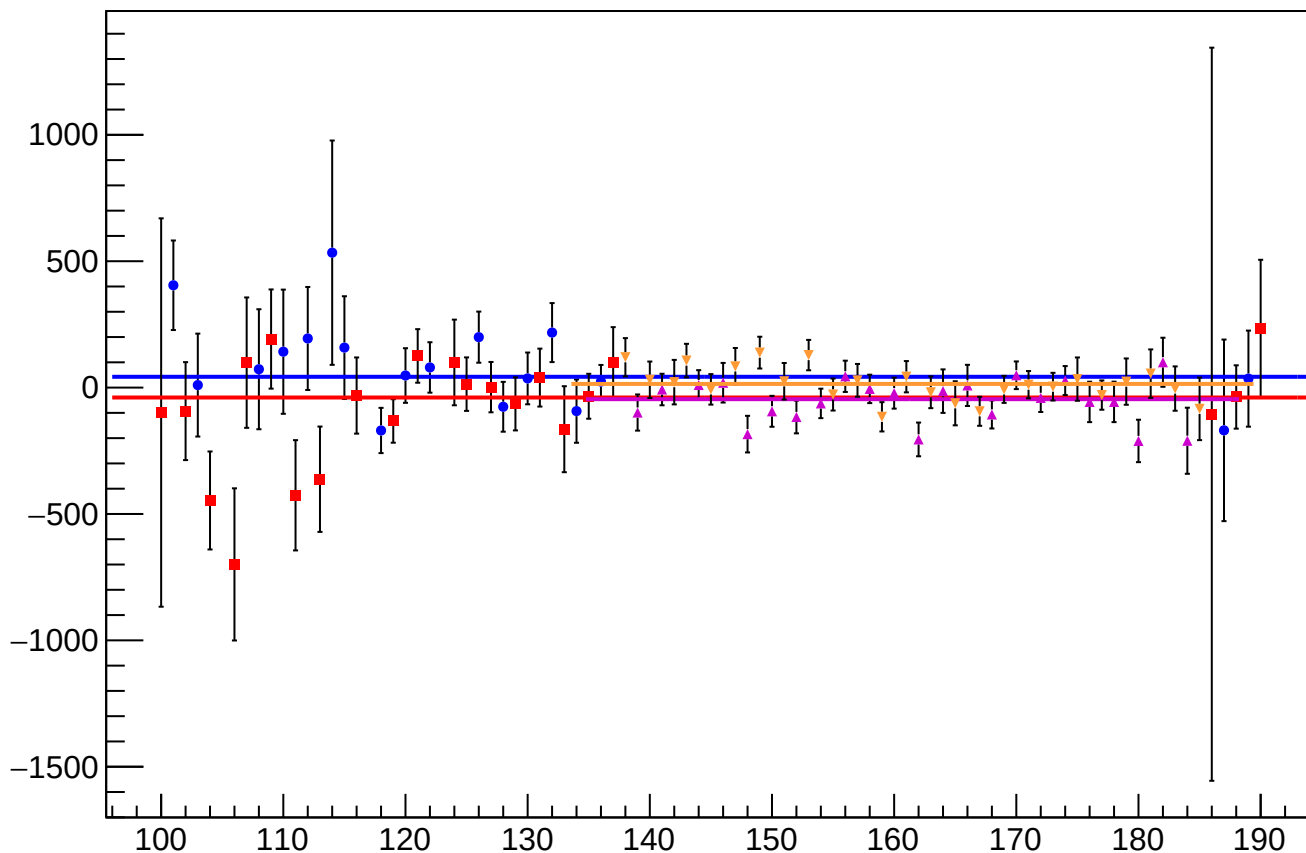
Left In: 247.109+/-0.042 χ^2/NDF : 1484445.1/22

+ sign 269.778+/-0.040 χ^2/NDF : 8230345.2/42

All: 270.489+/-0.028 χ^2/NDF : 18197274.6/87

- sign 271.231+/-0.041 χ^2/NDF : 9966277.7/44

dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.738 $\pm$ 29.446 χ^2 /NDF: 20.0/17

Left Out: 14.498 $\pm$ 13.454 χ^2 /NDF: 24.5/24

Right Out: -39.214 $\pm$ 30.127 χ^2 /NDF: 24.3/21

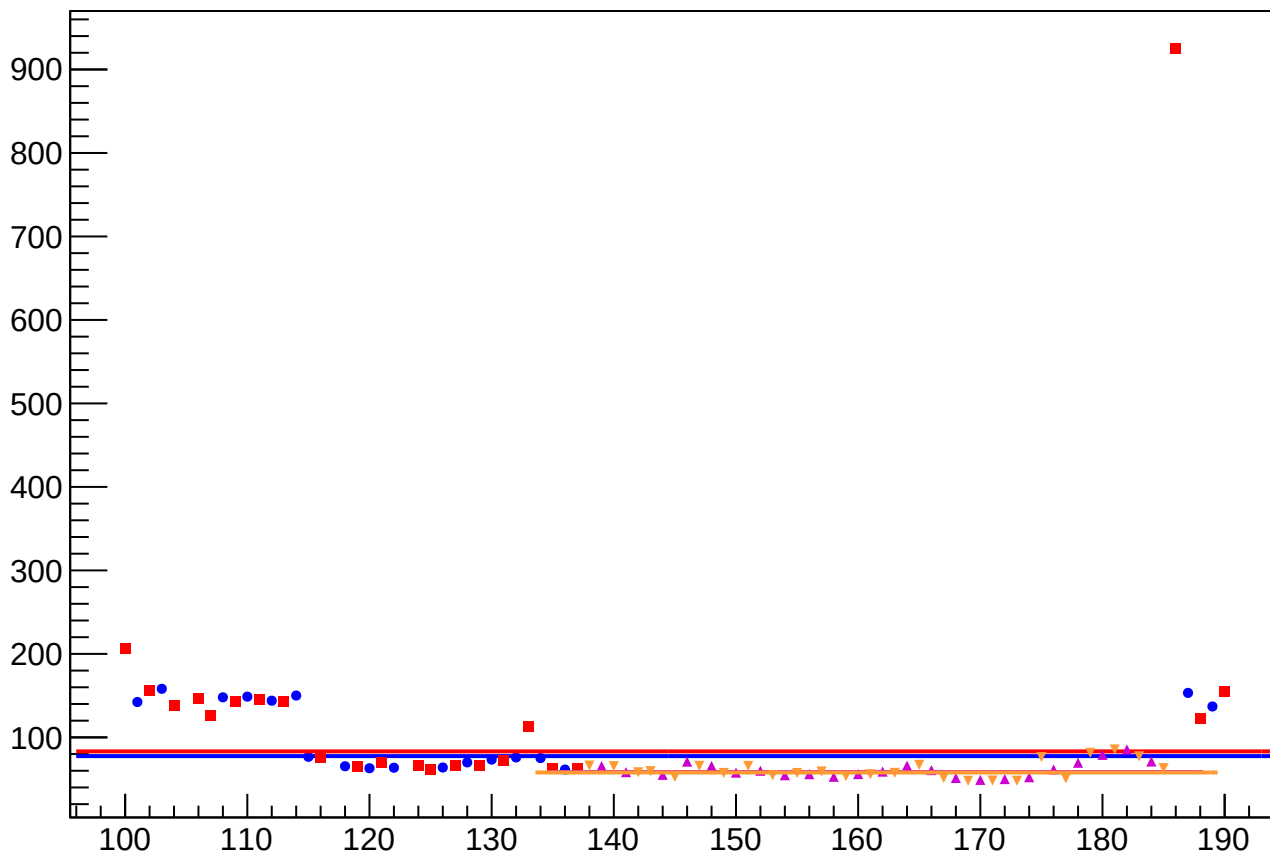
Left In: -45.806 $\pm$ 13.931 χ^2 /NDF: 30.7/22

+ sign 19.376 $\pm$ 12.237 χ^2 /NDF: 45.3/42

All: -11.587 $\pm$ 8.794 χ^2 /NDF: 113.6/87

- sign -44.645 $\pm$ 12.645 χ^2 /NDF: 55.1/44

dit_asym_sam_1526_avg_rms vs Slug



Right In: 77.541 $\pm$ 0.021 χ^2 /NDF: 1758991.6/17

Left Out: 57.965 $\pm$ 0.010 χ^2 /NDF: 896947.4/24

Right Out: 83.217 $\pm$ 0.021 χ^2 /NDF: 2717908.2/21

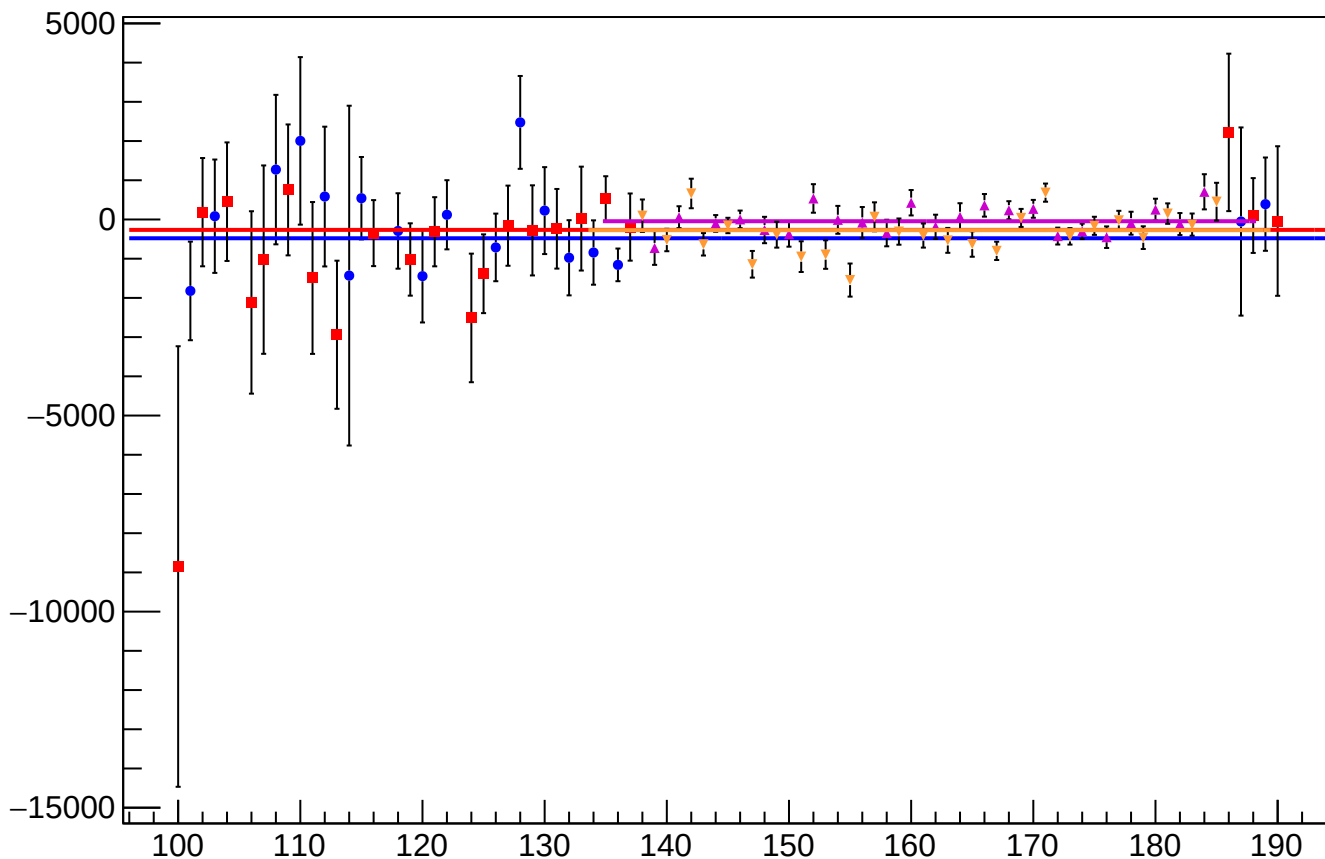
Left In: 58.479 $\pm$ 0.010 χ^2 /NDF: 649919.9/22

+ sign 61.346 $\pm$ 0.009 χ^2 /NDF: 3387226.1/42

All: 62.067 $\pm$ 0.006 χ^2 /NDF: 7880356.0/87

- sign 62.837 $\pm$ 0.009 χ^2 /NDF: 4478779.5/44

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -479.136 $\pm$ 235.359 χ^2 /NDF: 16.4/17

Left Out: -272.513 $\pm$ 57.274 χ^2 /NDF: 65.8/24

Right Out: -265.518 $\pm$ 243.922 χ^2 /NDF: 13.7/21

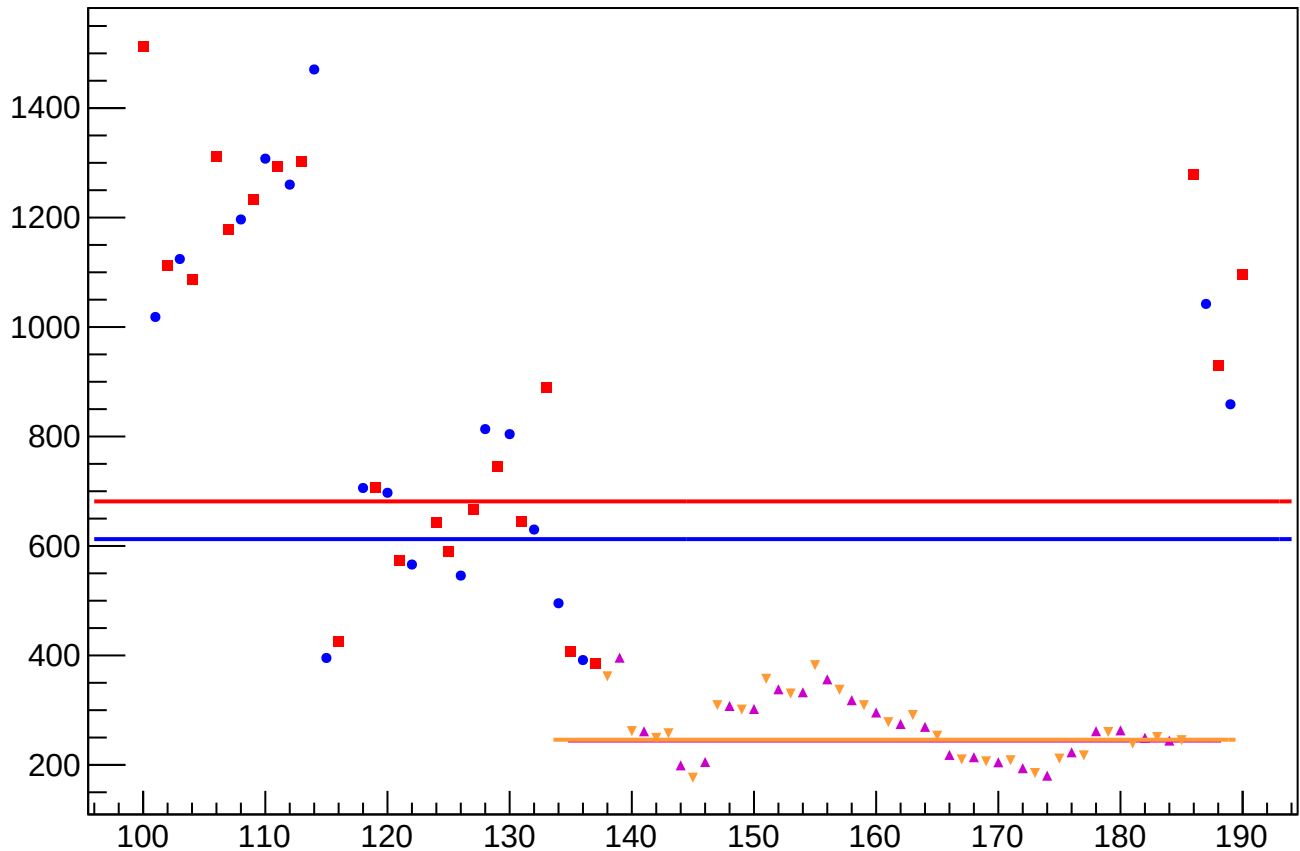
Left In: -44.553 $\pm$ 58.614 χ^2 /NDF: 26.5/22

+ sign -284.065 $\pm$ 55.650 χ^2 /NDF: 82.9/42

All: -173.050 $\pm$ 39.816 χ^2 /NDF: 132.0/87

- sign -56.616 $\pm$ 56.992 χ^2 /NDF: 41.0/44

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 612.528 $\pm$ 0.166 χ^2 /NDF: 2204946.3/17

Left Out: 246.017 $\pm$ 0.040 χ^2 /NDF: 1680565.1/24

Right Out: 681.427 $\pm$ 0.172 χ^2 /NDF: 2650365.3/21

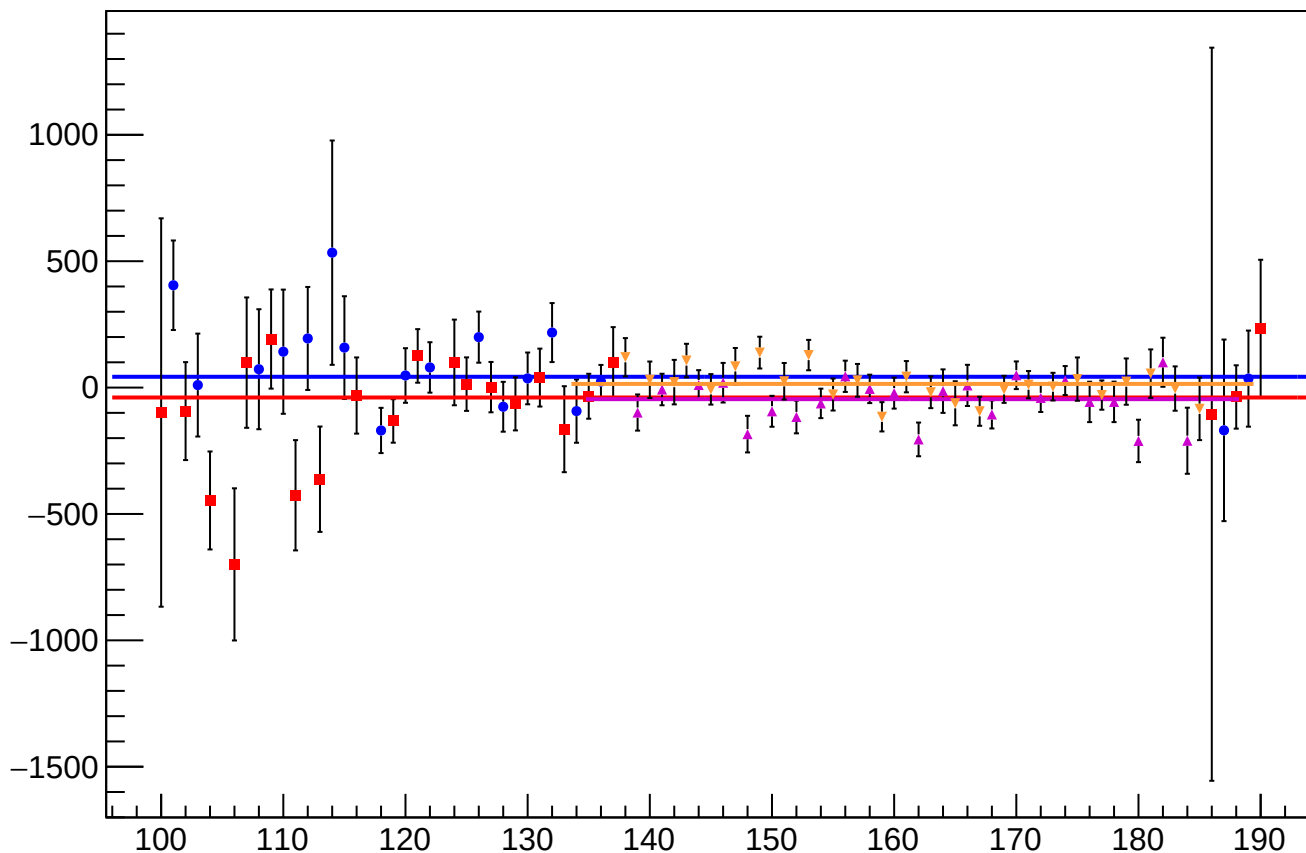
Left In: 244.450 $\pm$ 0.041 χ^2 /NDF: 1596988.0/22

+ sign 266.507 $\pm$ 0.039 χ^2 /NDF: 8464398.2/42

All: 267.385 $\pm$ 0.028 χ^2 /NDF: 18781037.3/87

- sign 268.305 $\pm$ 0.040 χ^2 /NDF: 10315620.3/44

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.740 $\pm$ 29.445 χ^2 /NDF: 20.0/17

Left Out: 14.498 $\pm$ 13.454 χ^2 /NDF:24.5/24

Right Out: -39.214 $\pm$ 30.127 χ^2 /NDF: 24.3/21

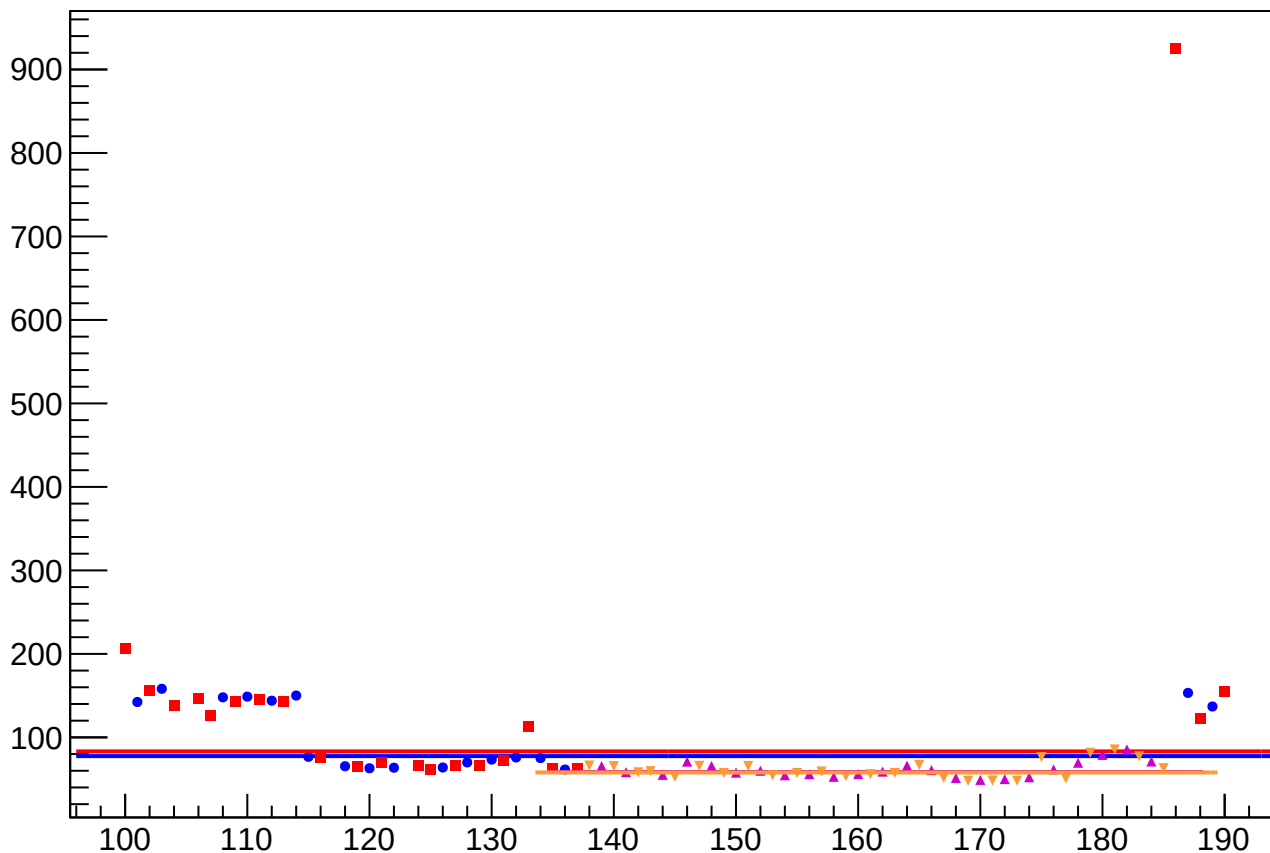
Left In: -45.805 $\pm$ 13.931 χ^2 /NDF:30.7/22

+ sign 19.375 $\pm$ 12.237 χ^2 /NDF: 45.3/42

All: -11.586 $\pm$ 8.794 χ^2 /NDF: 113.6/87

- sign -44.644 $\pm$ 12.645 χ^2 /NDF: 55.1/44

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 77.541 $\pm$ 0.021 χ^2 /NDF: 1758980.7/17

Left Out: 57.965 $\pm$ 0.010 χ^2 /NDF: 896952.8/24

Right Out: 83.217 $\pm$ 0.021 χ^2 /NDF: 2717906.9/21

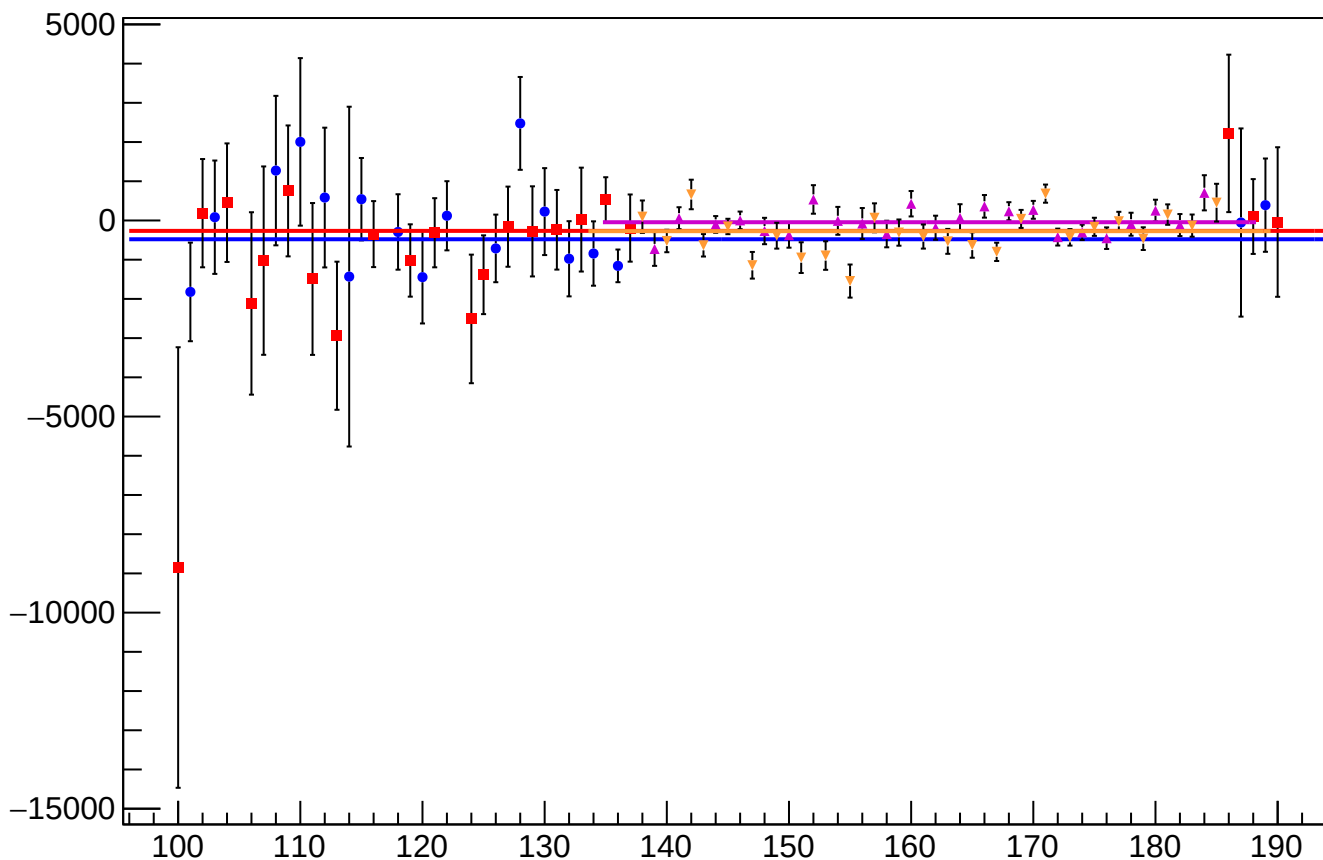
Left In: 58.479 $\pm$ 0.010 χ^2 /NDF: 649911.4/22

+ sign 61.346 $\pm$ 0.009 χ^2 /NDF: 3387194.9/42

All: 62.067 $\pm$ 0.006 χ^2 /NDF: 7880280.6/87

- sign 62.837 $\pm$ 0.009 χ^2 /NDF: 4478733.9/44

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug



Right In: -479.134 $\pm$ 235.358 χ^2 /NDF: 16.4/17

Left Out: -272.512 $\pm$ 57.274 χ^2 /NDF: 65.8/24

Right Out: -265.519 $\pm$ 243.922 χ^2 /NDF: 13.7/21

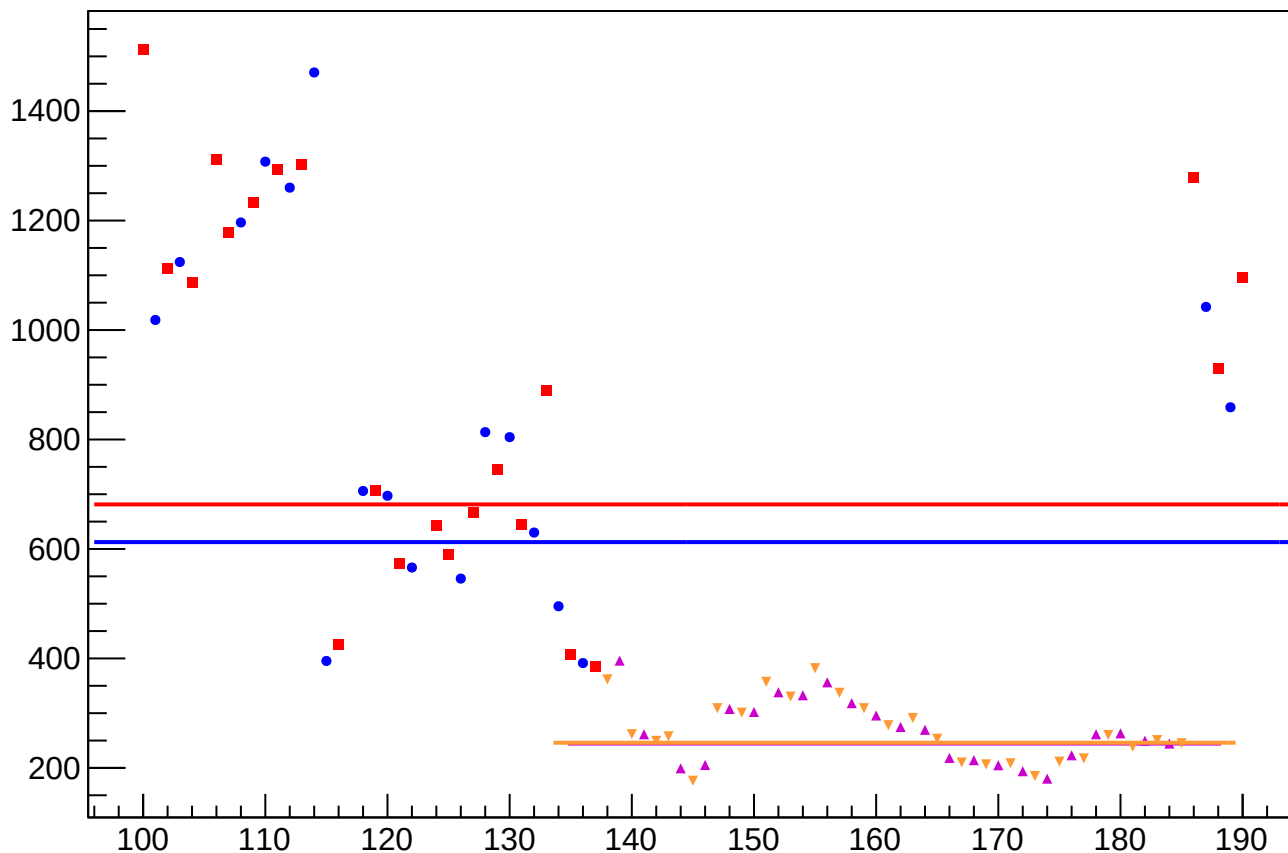
Left In: -44.552 $\pm$ 58.614 χ^2 /NDF: 26.5/22

+ sign -284.064 $\pm$ 55.650 χ^2 /NDF: 82.9/42

All: -173.049 $\pm$ 39.816 χ^2 /NDF: 132.0/87

- sign -56.615 $\pm$ 56.992 χ^2 /NDF: 41.0/44

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug



Right In: 612.528 ± 0.166 χ^2/NDF : 2204928.6/17

Left Out: 246.016 ± 0.040 χ^2/NDF : 1680566.1/24

Right Out: 681.426 ± 0.172 χ^2/NDF : 2650347.3/21

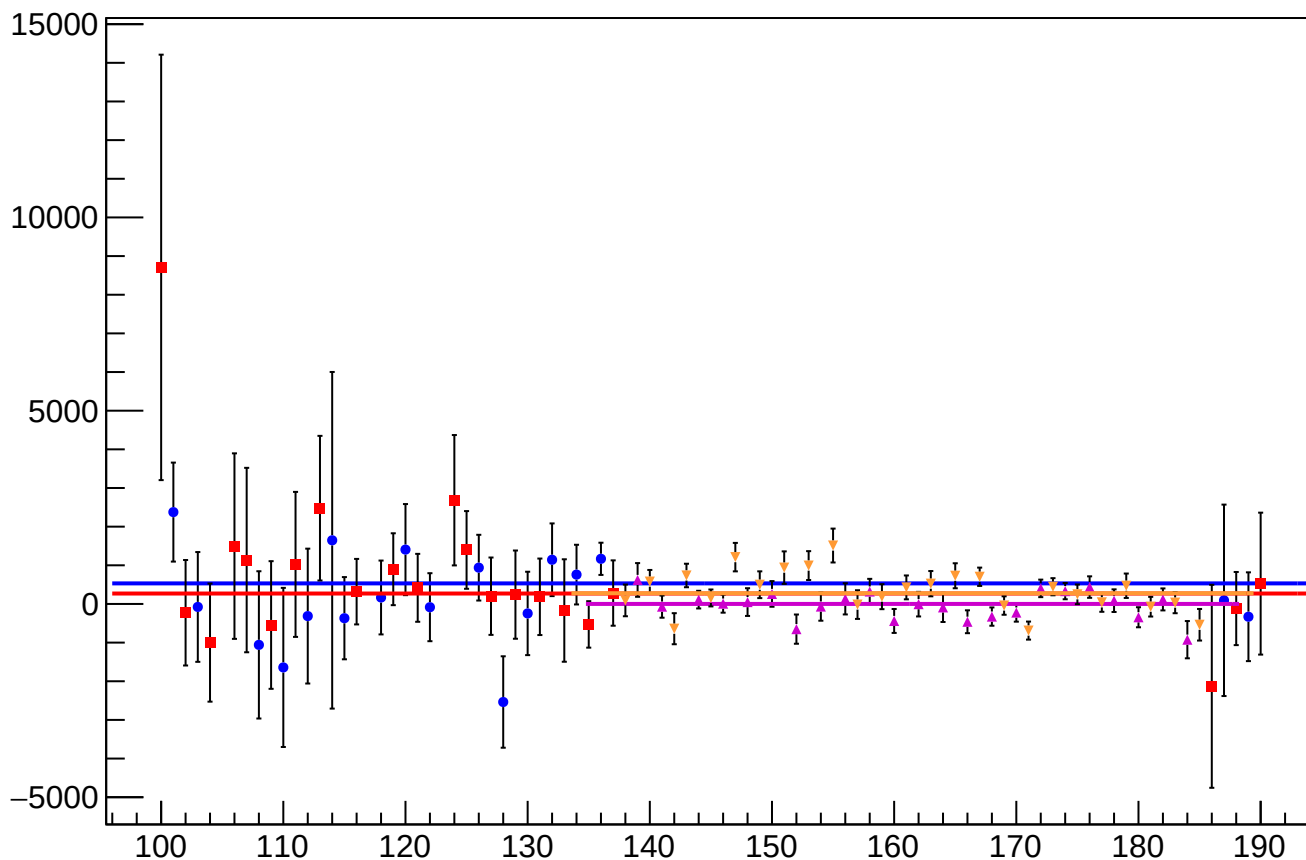
Left In: 244.450 ± 0.041 χ^2/NDF : 1596977.8/22

+ sign 266.507 ± 0.039 χ^2/NDF : 8464393.0/42

All: 267.384 ± 0.028 χ^2/NDF : 18781012.8/87

- sign 268.305 ± 0.040 χ^2/NDF : 10315600.9/44

asym_sam_1526_avg_mean vs Slug



Right In: 531.968 ± 232.877 χ^2/NDF : 17.2/17

Left Out: 277.077 ± 59.149 χ^2/NDF : 64.1/24

Right Out: 269.723 ± 245.781 χ^2/NDF : 12.1/21

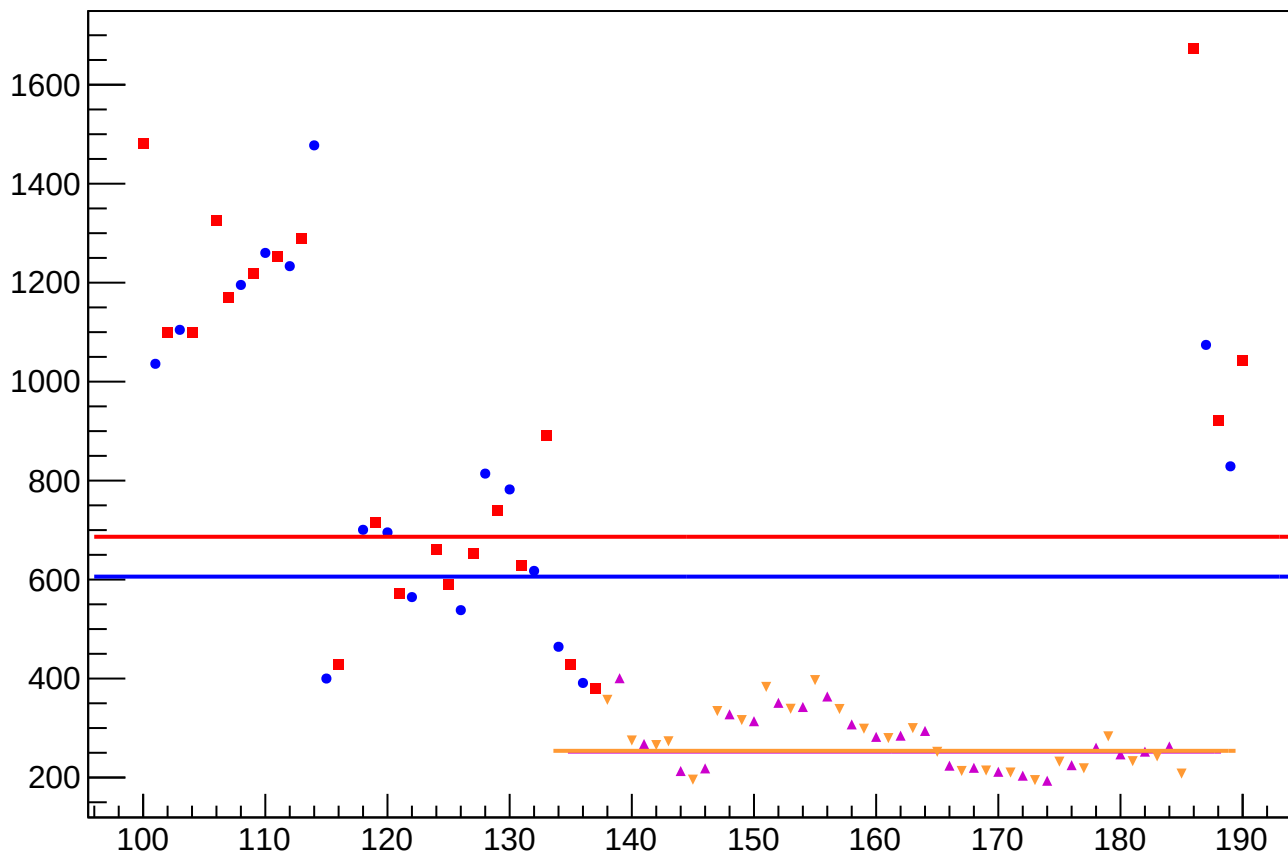
Left In: 0.556 ± 60.356 χ^2/NDF : 28.1/22

+ sign 292.524 ± 57.328 χ^2/NDF : 82.4/42

All: 157.263 ± 40.984 χ^2/NDF : 135.1/87

- sign 15.864 ± 58.615 χ^2/NDF : 41.3/44

asym_sam_1526_avg_rms vs Slug



Right In: 605.979+/-0.165 χ^2/NDF : 2189412.4/17

Left Out: 253.953+/-0.042 χ^2/NDF :1590761.5/24

Right Out: 686.522+/-0.174 χ^2/NDF : 2605349.9/21

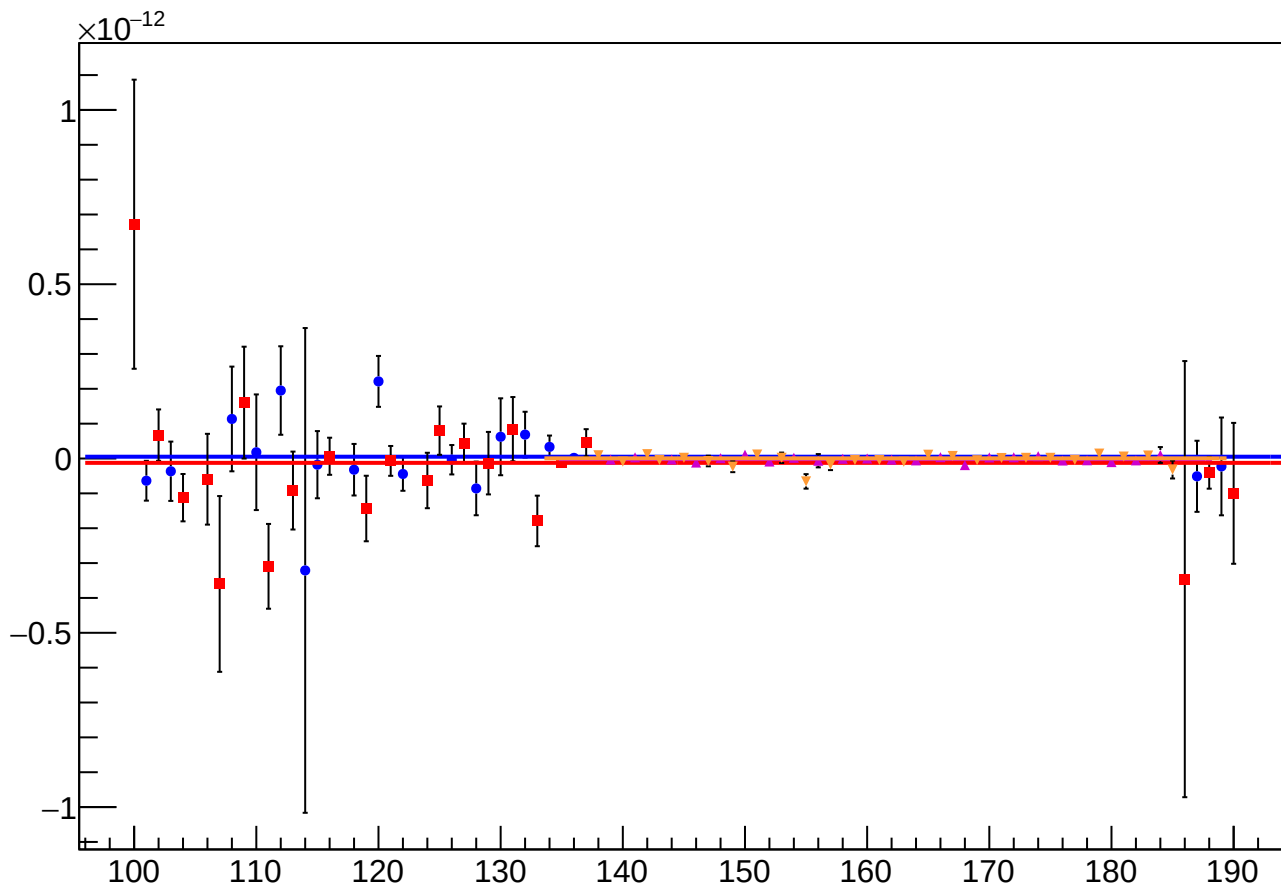
Left In: 252.390+/-0.043 χ^2/NDF :1412169.8/22

+ sign 275.287+/-0.041 χ^2/NDF : 8073291.8/42

All: 276.164+/-0.029 χ^2/NDF : 17976755.2/87

- sign 277.081+/-0.041 χ^2/NDF : 9902505.6/44

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.6/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 26.9/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 30.4/21

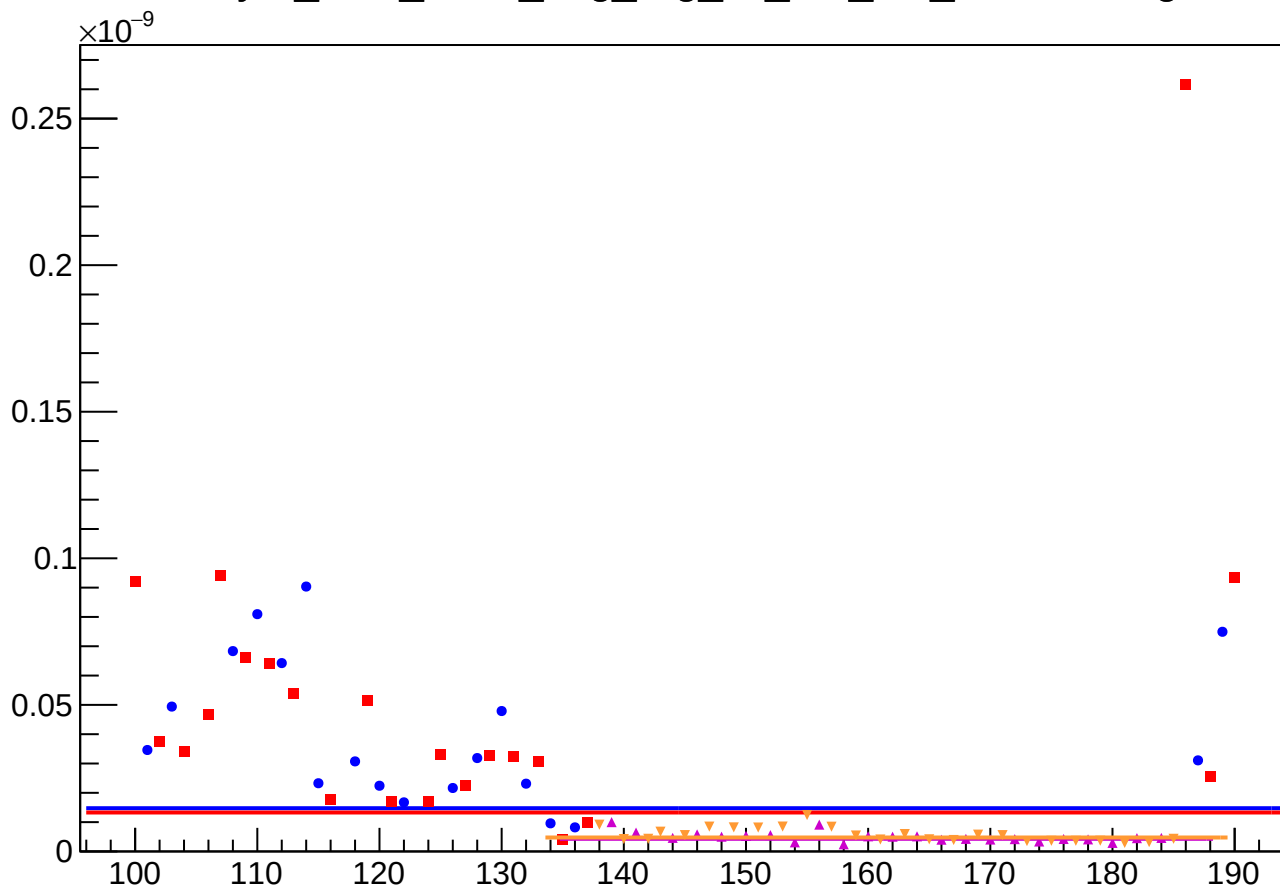
Left In: -0.000 ± 0.000 χ^2/NDF : 14.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 45.7/42

All: -0.000 ± 0.000 χ^2/NDF : 92.1/87

- sign -0.000 ± 0.000 χ^2/NDF : 45.4/44

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2917603.1/17

Left Out: 0.000+/-0.000 χ^2/NDF :1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4261773.8/21

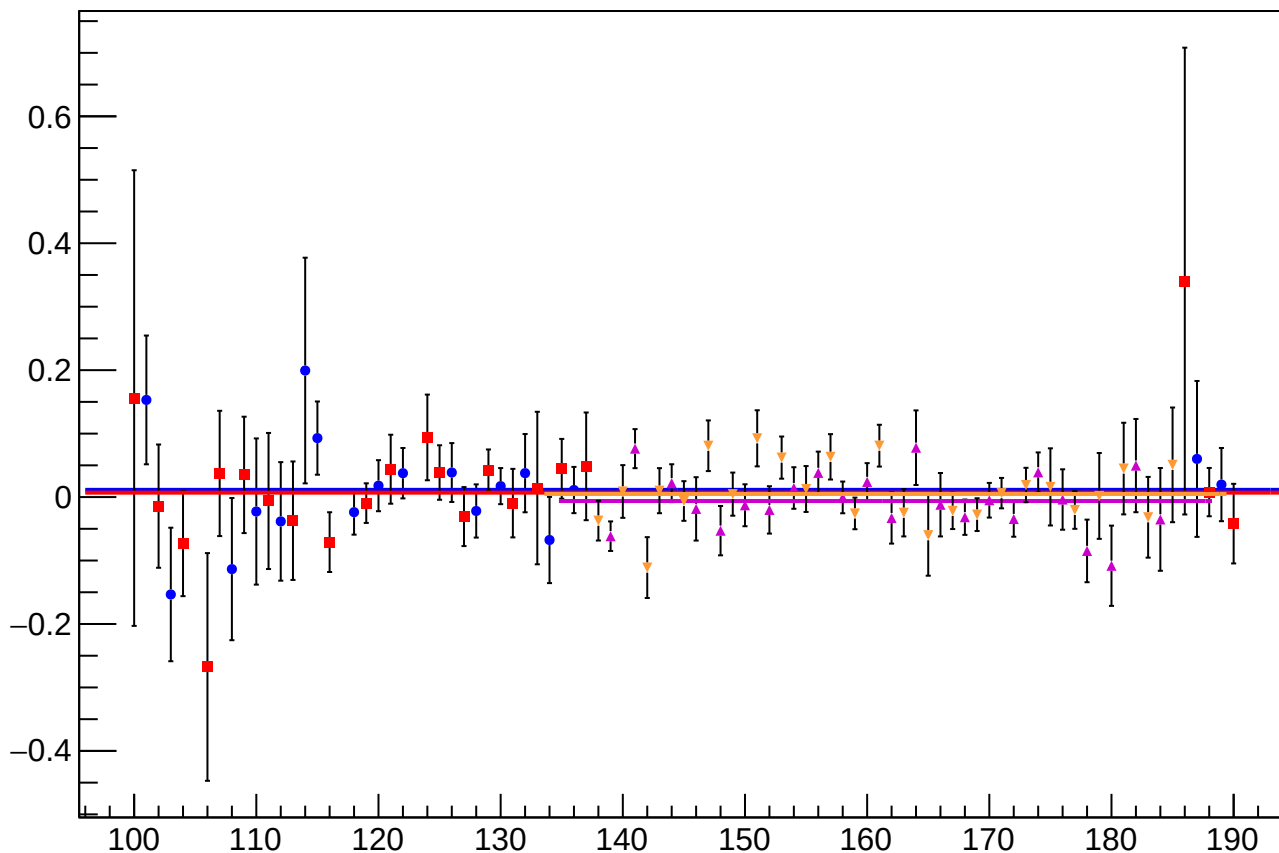
Left In: 0.000+/-0.000 χ^2/NDF :983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 6304113.2/42

All: 0.000+/-0.000 χ^2/NDF : 13097714.2/87

- sign 0.000+/-0.000 χ^2/NDF : 6727141.4/44

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.012 χ^2/NDF : 13.3/17

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.007 ± 0.012 χ^2/NDF : 13.9/21

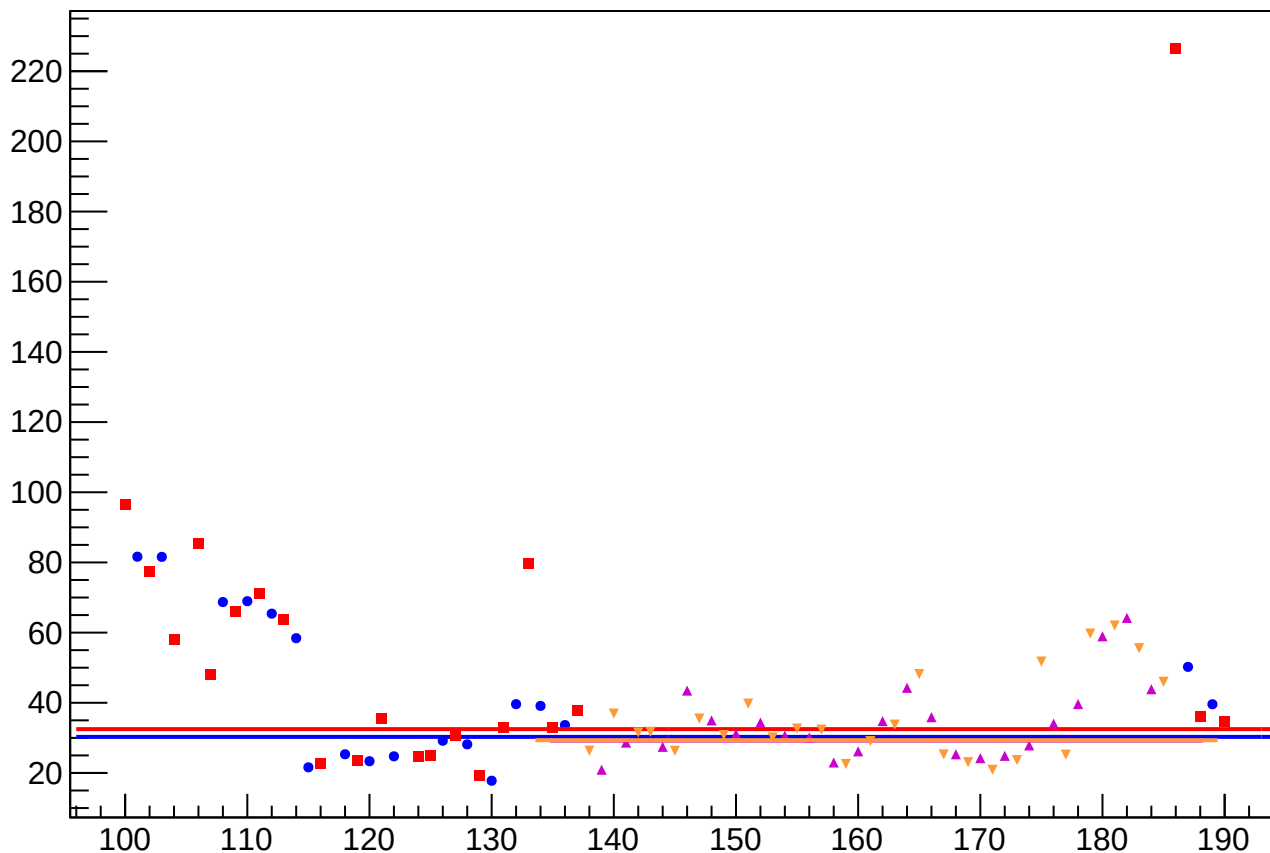
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.007 ± 0.006 χ^2/NDF : 47.5/42

All: 0.002 ± 0.004 χ^2/NDF : 94.3/87

- sign -0.003 ± 0.006 χ^2/NDF : 45.7/44

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 30.284 $\pm$ 0.009 χ^2/NDF : 2558486.4/17

Left Out: 29.338 $\pm$ 0.005 χ^2/NDF : 2687159.2/24

Right Out: 32.494 $\pm$ 0.009 χ^2/NDF : 3234704.0/21

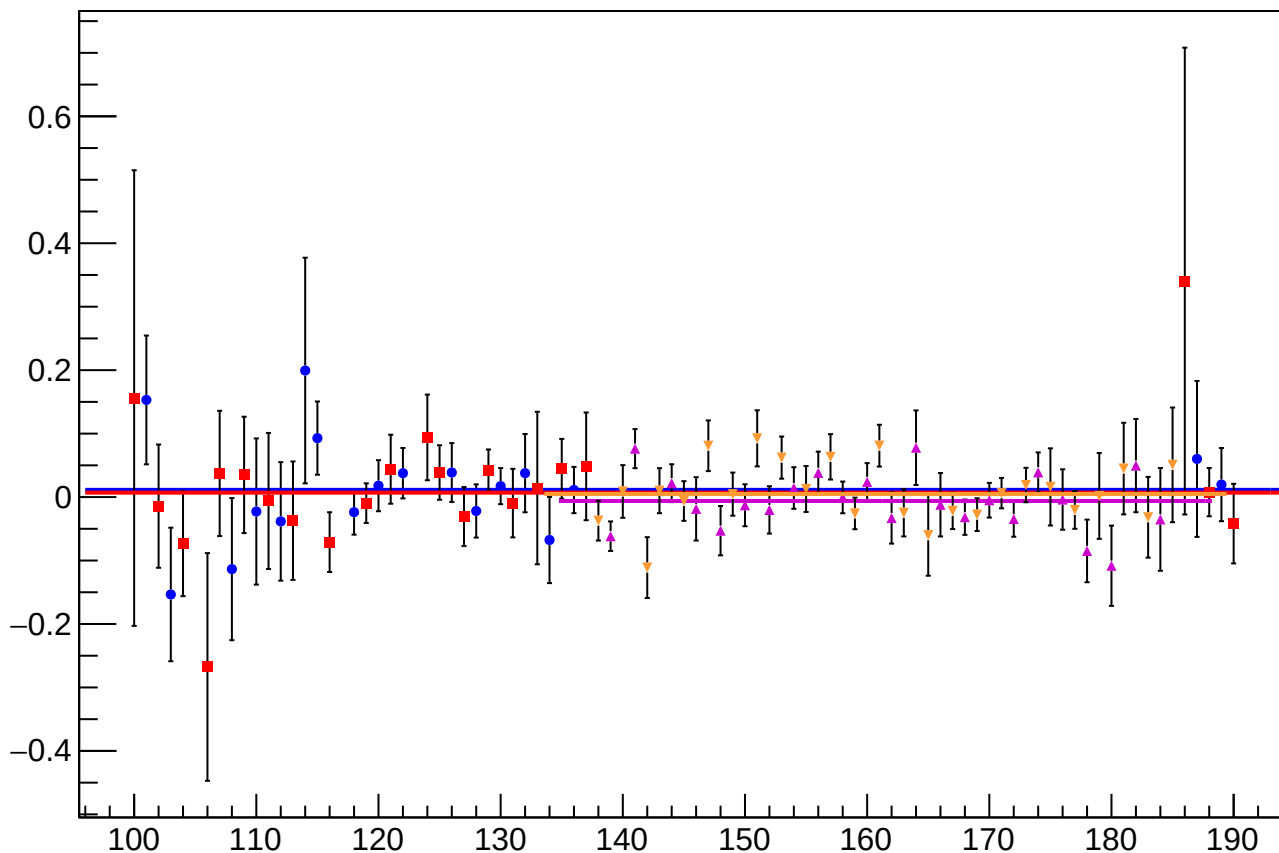
Left In: 29.226 $\pm$ 0.005 χ^2/NDF : 2097657.8/22

+ sign 29.577 $\pm$ 0.004 χ^2/NDF : 5254616.3/42

All: 29.822 $\pm$ 0.003 χ^2/NDF : 10698645.2/87

- sign 30.075 $\pm$ 0.004 χ^2/NDF : 5437561.6/44

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.012 χ^2/NDF : 13.3/17

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.007 ± 0.012 χ^2/NDF : 13.9/21

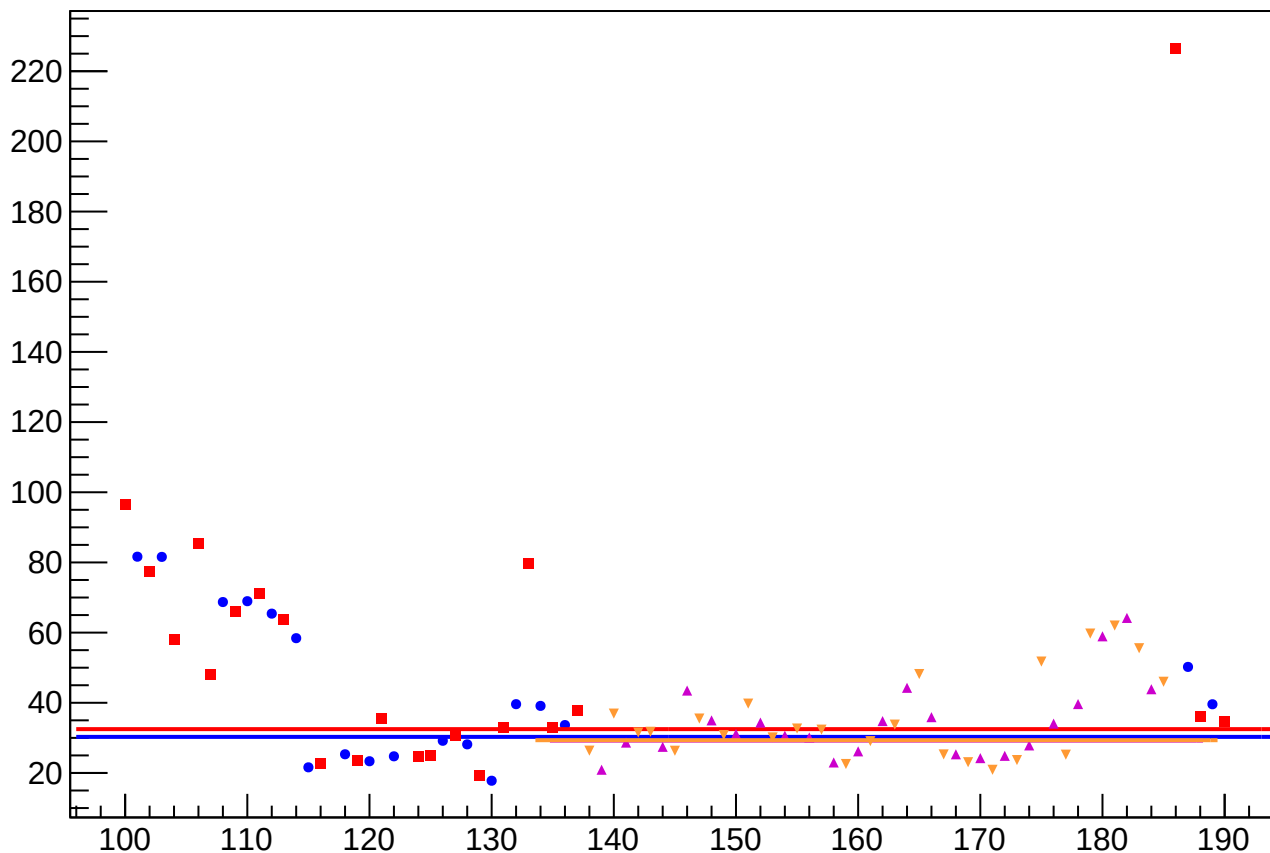
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.007 ± 0.006 χ^2/NDF : 47.5/42

All: 0.002 ± 0.004 χ^2/NDF : 94.3/87

- sign -0.003 ± 0.006 χ^2/NDF : 45.7/44

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.284 $\pm$ 0.009 χ^2/NDF : 2558486.4/17

Left Out: 29.338 $\pm$ 0.005 χ^2/NDF : 2687159.2/24

Right Out: 32.494 $\pm$ 0.009 χ^2/NDF : 3234704.0/21

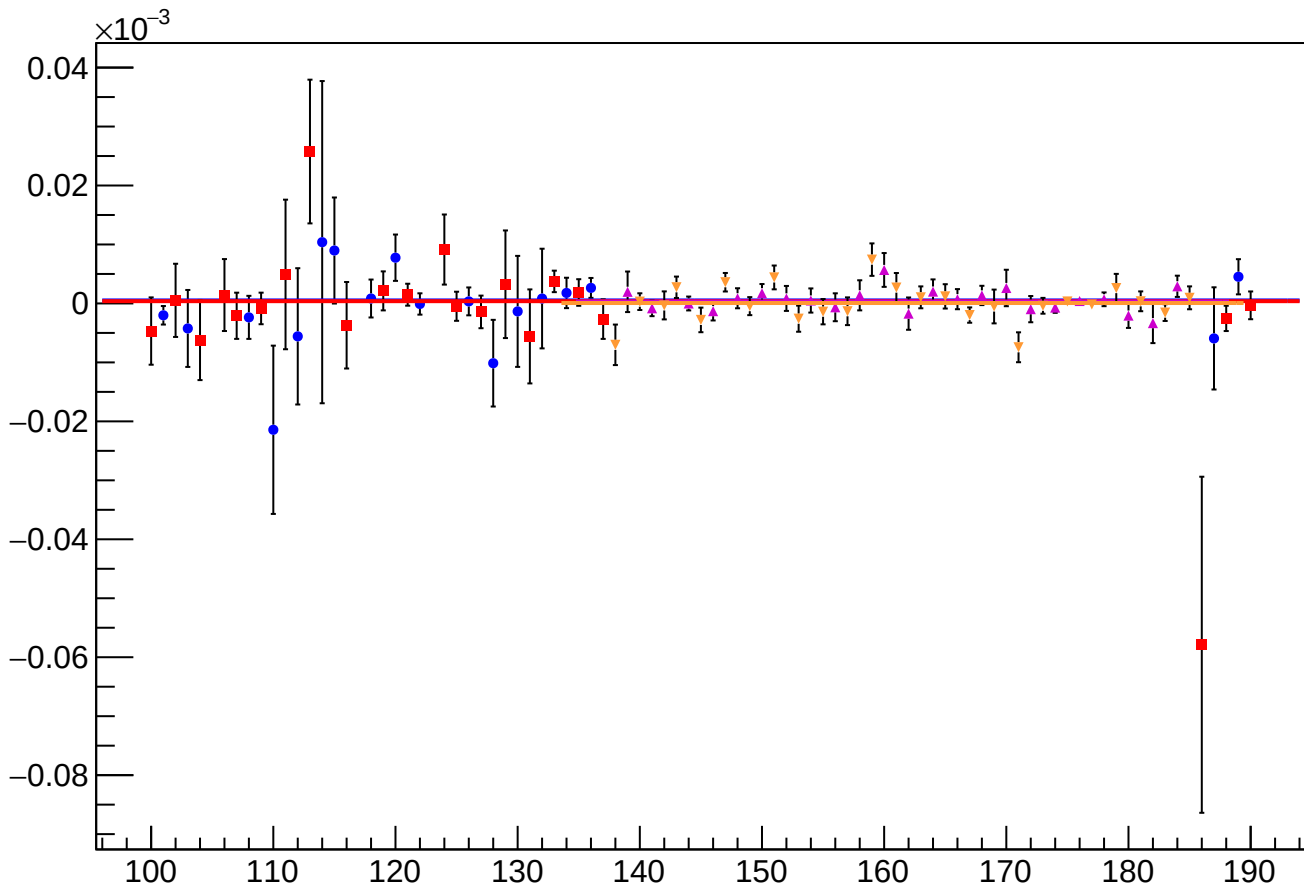
Left In: 29.226 $\pm$ 0.005 χ^2/NDF : 2097657.8/22

+ sign 29.577 $\pm$ 0.004 χ^2/NDF : 5254616.3/42

All: 29.822 $\pm$ 0.003 χ^2/NDF : 10698645.2/87

- sign 30.075 $\pm$ 0.004 χ^2/NDF : 5437561.6/44

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 17.2/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 43.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.9/21

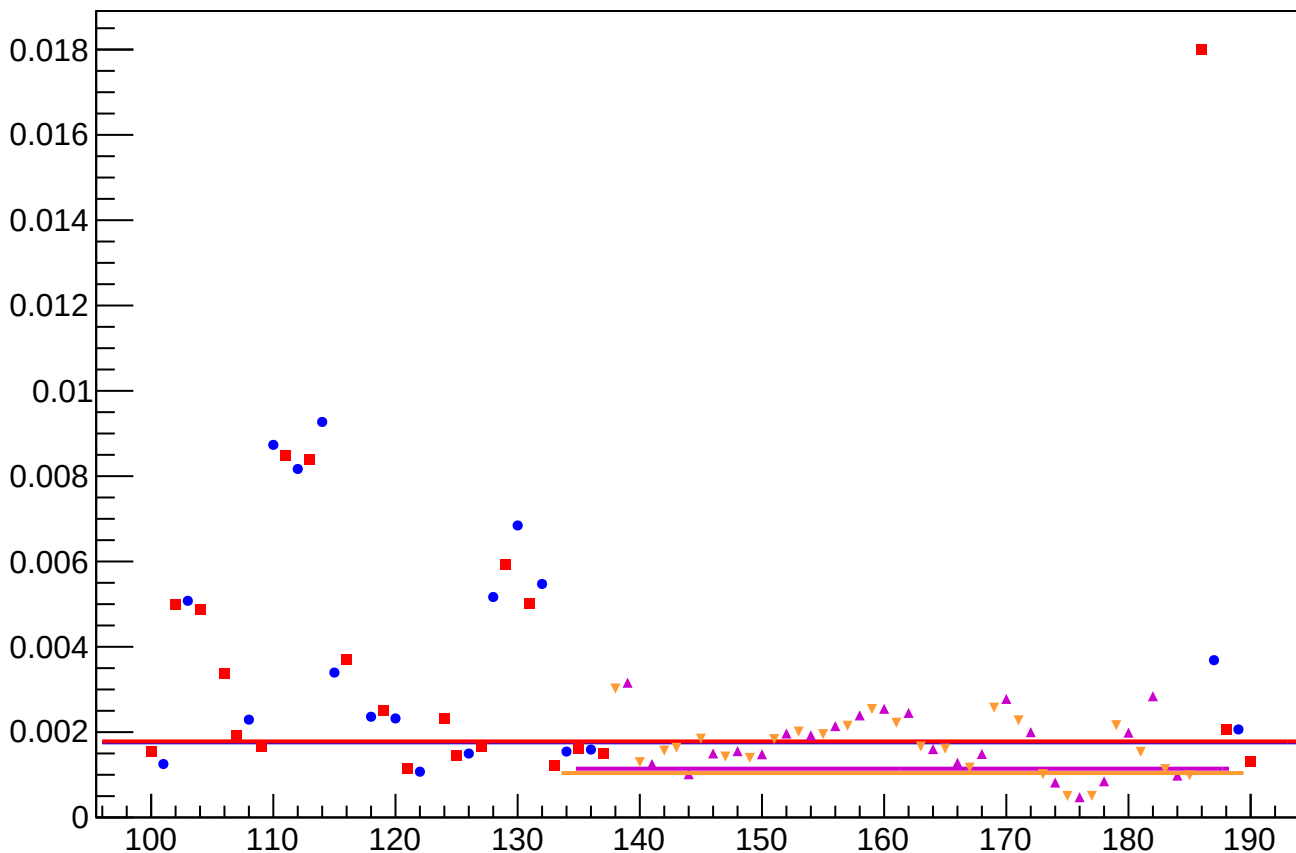
Left In: 0.000 ± 0.000 χ^2/NDF : 15.5/22

+ sign 0.000 ± 0.000 χ^2/NDF : 61.3/42

All: 0.000 ± 0.000 χ^2/NDF : 98.9/87

- sign 0.000 ± 0.000 χ^2/NDF : 37.4/44

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4055656.5/17

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:9825407.0/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4486519.8/21

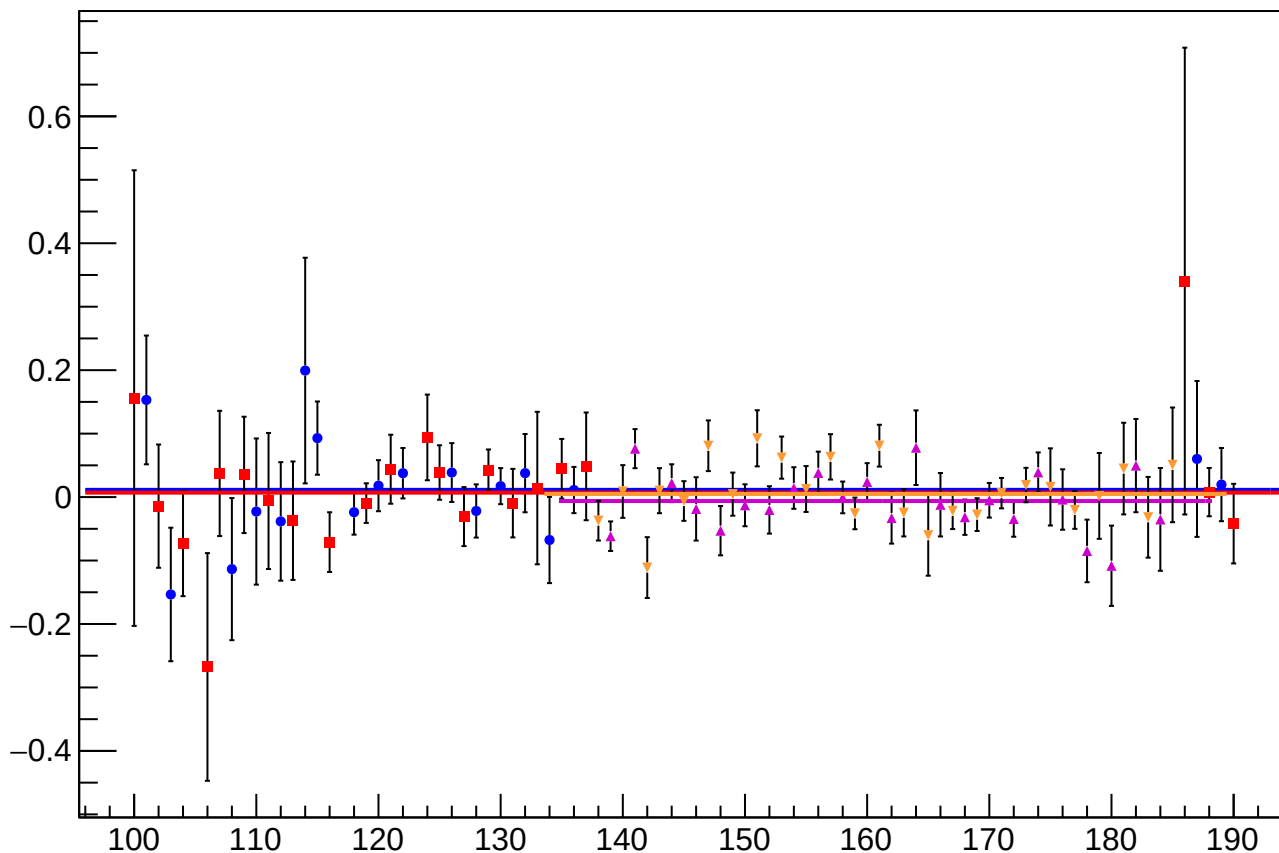
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:8291862.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 15555110.2/42

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 29921916.5/87

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 14180649.3/44

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011 ± 0.012 $\chi^2/\text{NDF}: 13.3/17$

Left Out: 0.005 ± 0.007 $\chi^2/\text{NDF}: 34.0/24$

Right Out: 0.007 ± 0.012 $\chi^2/\text{NDF}: 13.9/21$

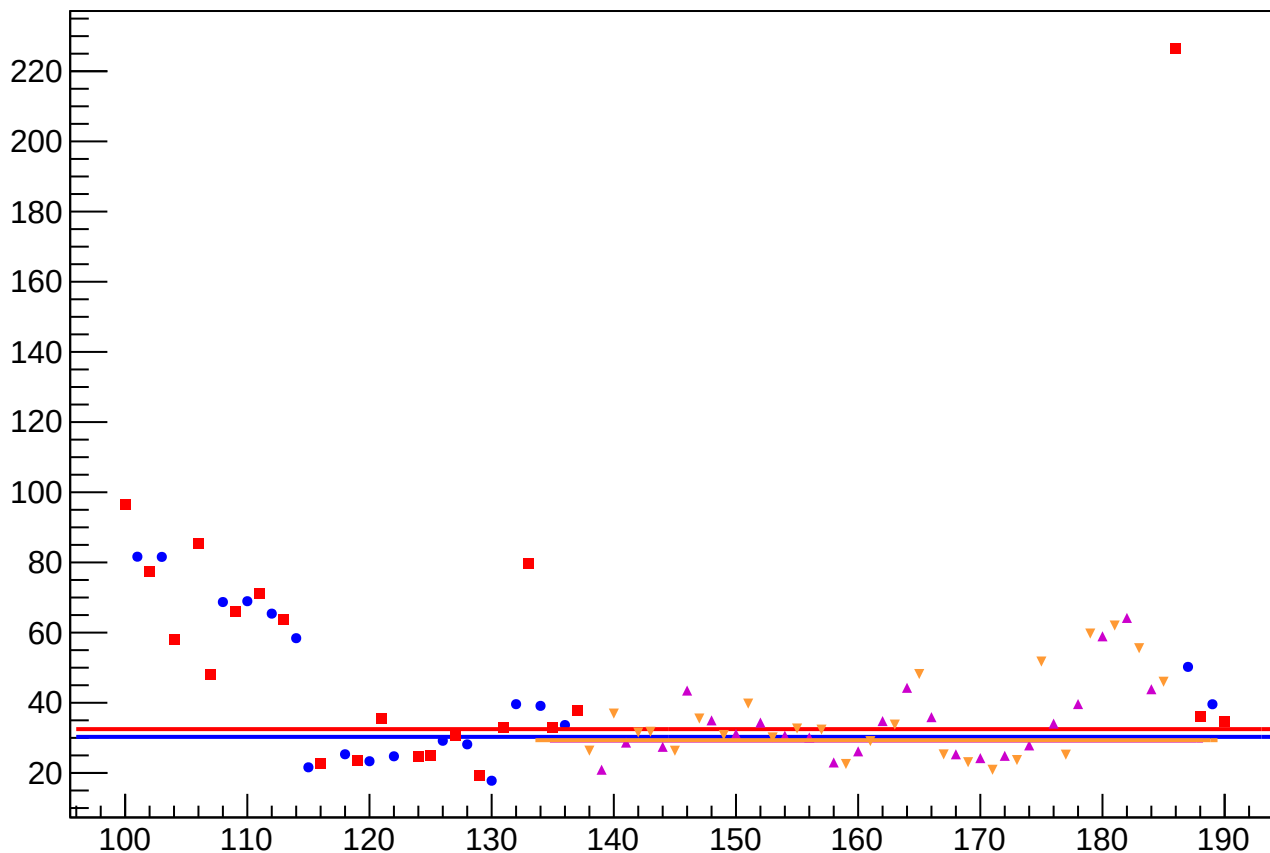
Left In: -0.006 ± 0.007 $\chi^2/\text{NDF}: 31.0/22$

+ sign 0.007 ± 0.006 $\chi^2/\text{NDF}: 47.5/42$

All: 0.002 ± 0.004 $\chi^2/\text{NDF}: 94.3/87$

- sign -0.003 ± 0.006 $\chi^2/\text{NDF}: 45.7/44$

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.282 $\pm$ 0.009 χ^2 /NDF: 2558722.2/17

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687200.3/24

Right Out: 32.493 $\pm$ 0.009 χ^2 /NDF: 3234900.5/21

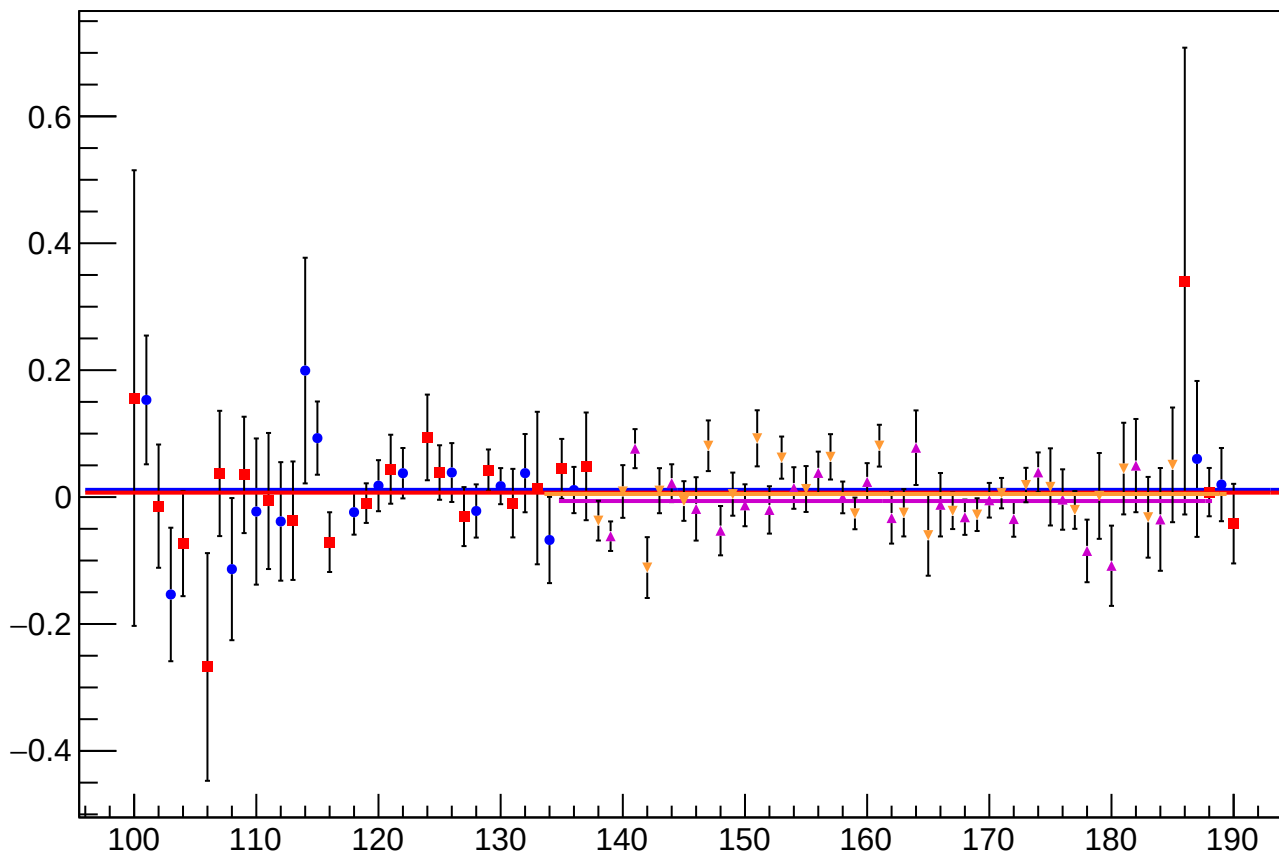
Left In: 29.227 $\pm$ 0.005 χ^2 /NDF: 2097621.4/22

+ sign 29.577 $\pm$ 0.004 χ^2 /NDF: 5254867.4/42

All: 29.822 $\pm$ 0.003 χ^2 /NDF: 10698969.5/87

- sign 30.075 $\pm$ 0.004 χ^2 /NDF: 5437629.3/44

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011 ± 0.012 χ^2/NDF : 13.3/17

Left Out: 0.005 ± 0.007 χ^2/NDF : 34.0/24

Right Out: 0.007 ± 0.012 χ^2/NDF : 13.9/21

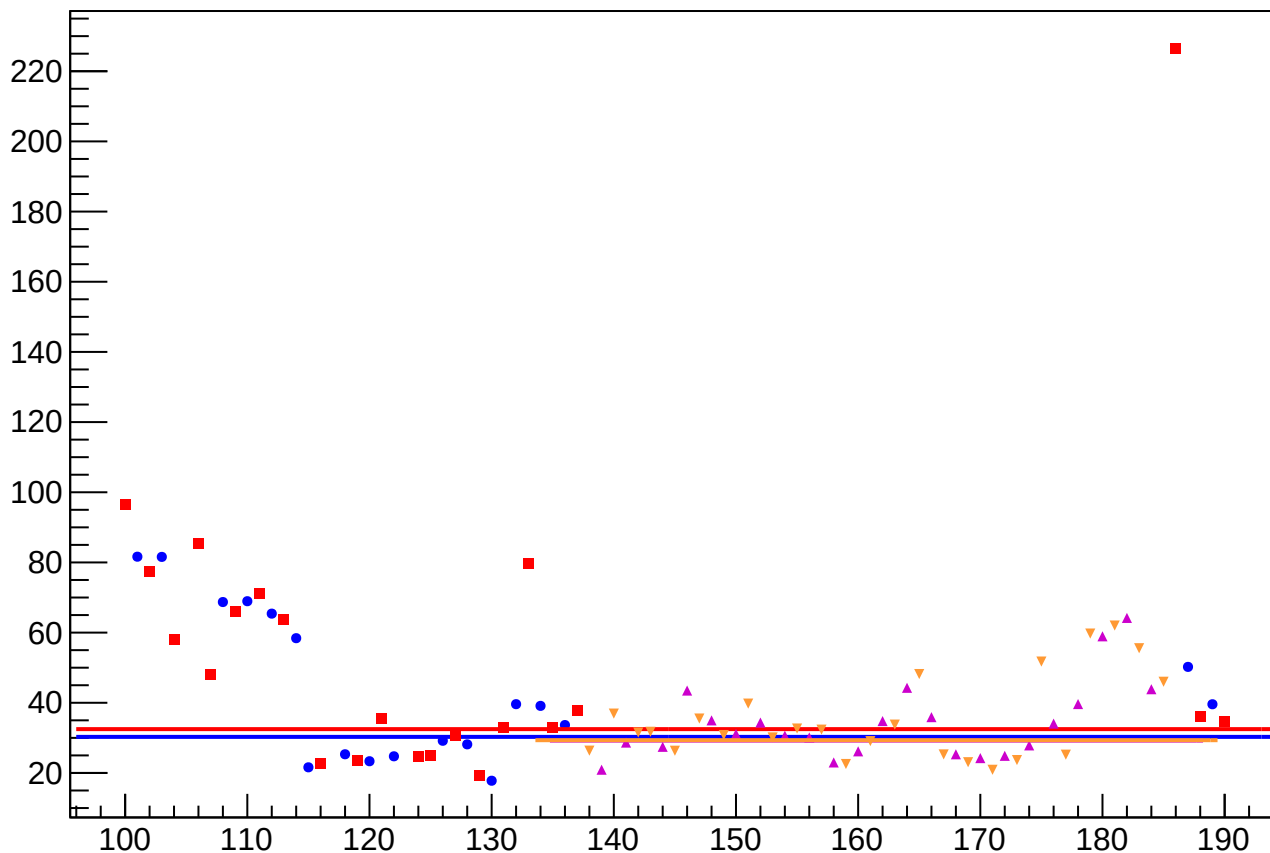
Left In: -0.006 ± 0.007 χ^2/NDF : 31.0/22

+ sign 0.007 ± 0.006 χ^2/NDF : 47.5/42

All: 0.002 ± 0.004 χ^2/NDF : 94.3/87

- sign -0.003 ± 0.006 χ^2/NDF : 45.7/44

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.282 $\pm$ 0.009 χ^2 /NDF: 2558722.2/17

Left Out: 29.338 $\pm$ 0.005 χ^2 /NDF: 2687200.3/24

Right Out: 32.493 $\pm$ 0.009 χ^2 /NDF: 3234900.5/21

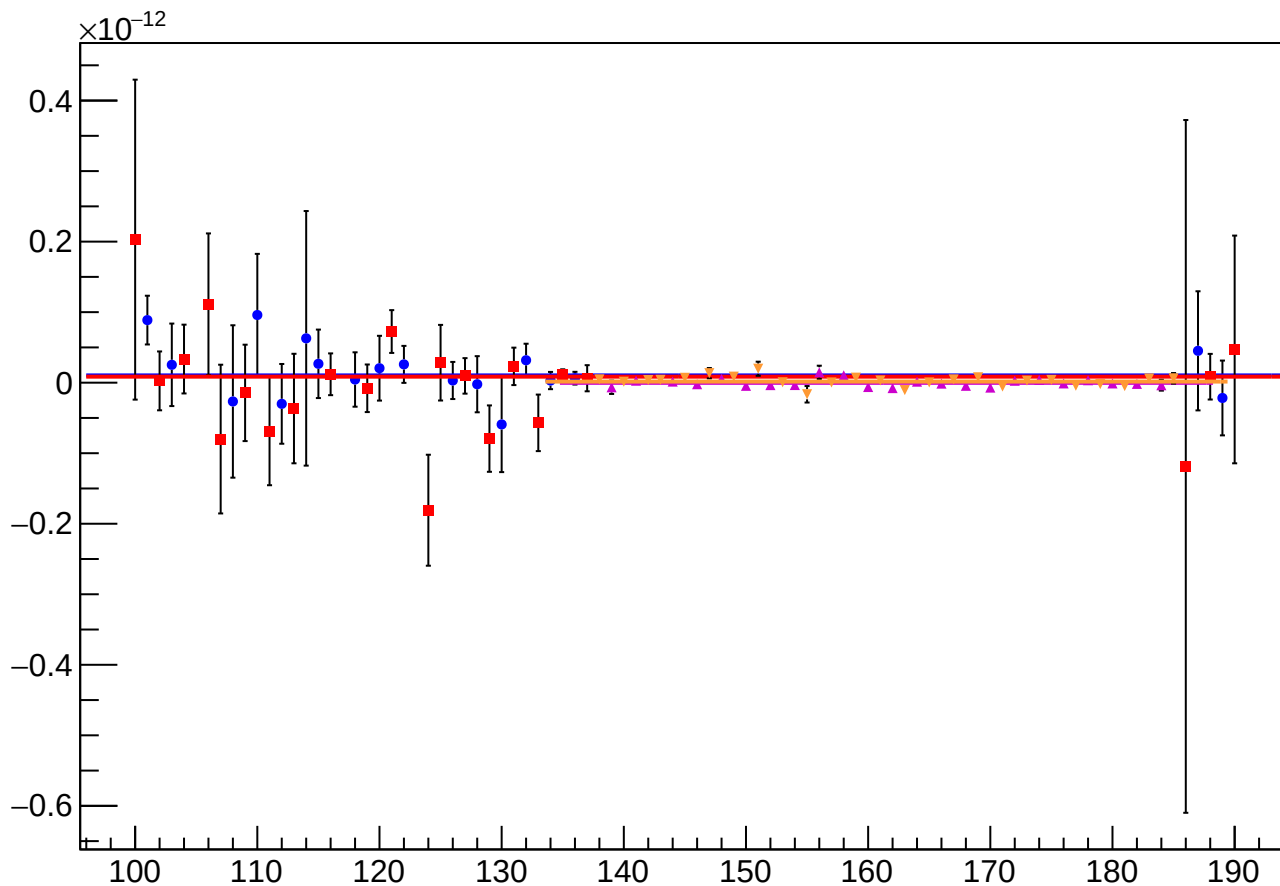
Left In: 29.227 $\pm$ 0.005 χ^2 /NDF: 2097621.4/22

+ sign 29.577 $\pm$ 0.004 χ^2 /NDF: 5254867.4/42

All: 29.822 $\pm$ 0.003 χ^2 /NDF: 10698969.5/87

- sign 30.075 $\pm$ 0.004 χ^2 /NDF: 5437629.3/44

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.6/21

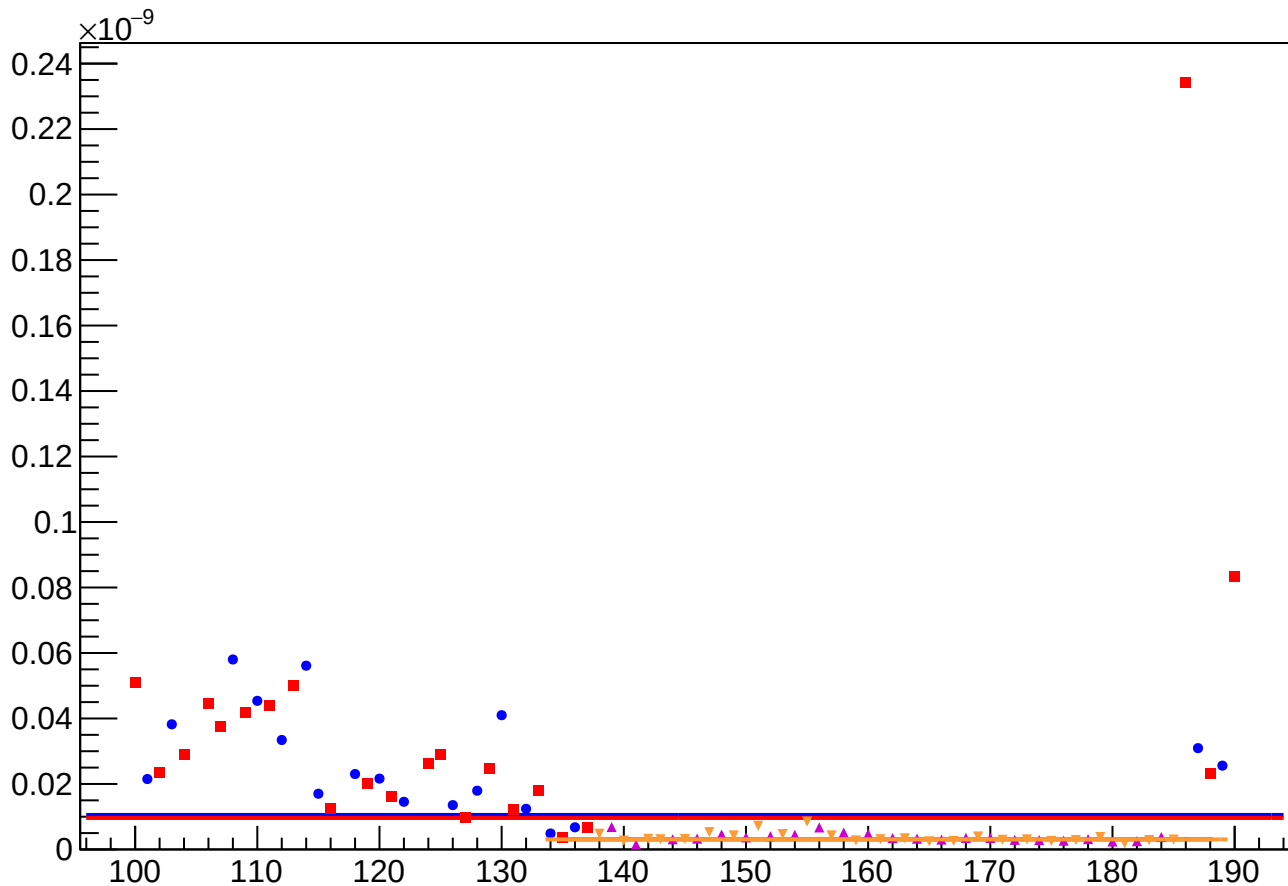
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:18.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 47.7/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 91.8/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42.3/44

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3794696.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5715254.3/21

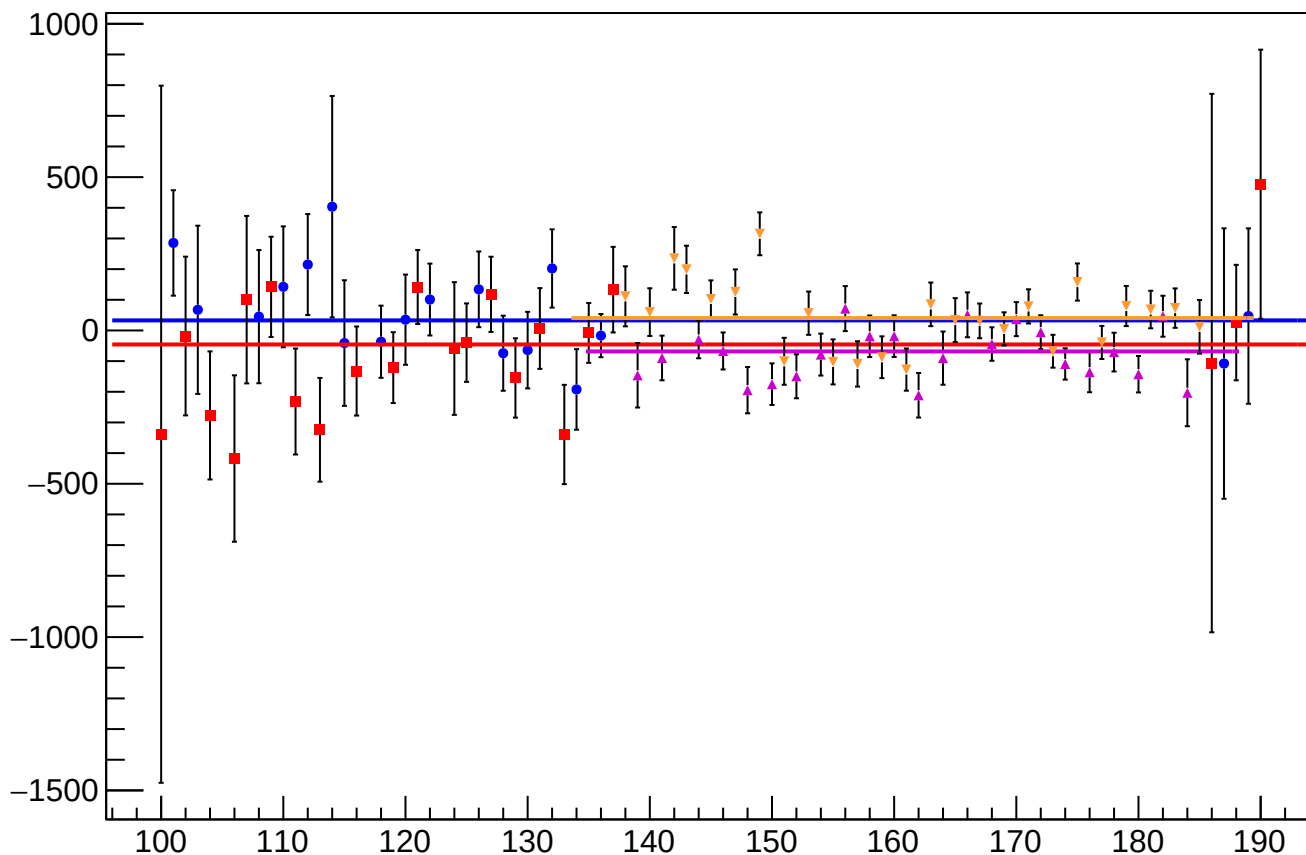
Left In: 0.000+/-0.000 χ^2/NDF : 2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 8894111.0/42

All: 0.000+/-0.000 χ^2/NDF : 19218573.5/87

- sign 0.000+/-0.000 χ^2/NDF : 10324457.3/44

reg_asym_sam_3726_avg_mean vs Slug



Right In: 32.798+/-33.548 χ^2/NDF : 12.9/17

Left Out: 40.342+/-13.402 χ^2/NDF : 59.4/24

Right Out: -45.687+/-34.139 χ^2/NDF : 21.2/21

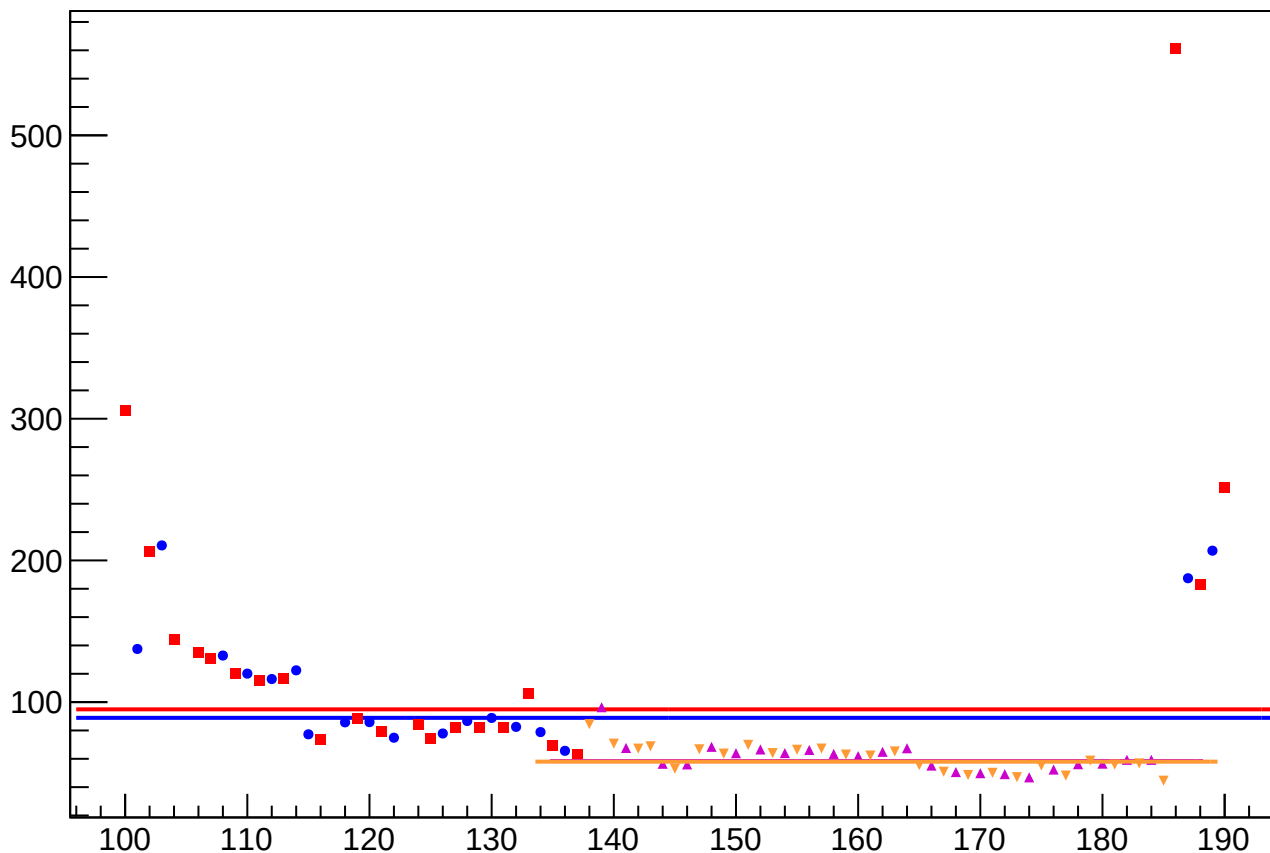
Left In: -68.344+/-13.866 χ^2/NDF : 31.8/22

+ sign 39.304+/-12.446 χ^2/NDF : 72.4/42

All: -11.259+/-8.939 χ^2/NDF : 159.7/87

- sign -65.136+/-12.847 χ^2/NDF : 53.3/44

reg_asym_sam_3726_avg_rms vs Slug



Right In: 88.903 $\pm$ 0.024 χ^2 /NDF: 1487617.3/17

Left Out: 57.996 $\pm$ 0.009 χ^2 /NDF: 807648.8/24

Right Out: 94.902 $\pm$ 0.024 χ^2 /NDF: 2445605.3/21

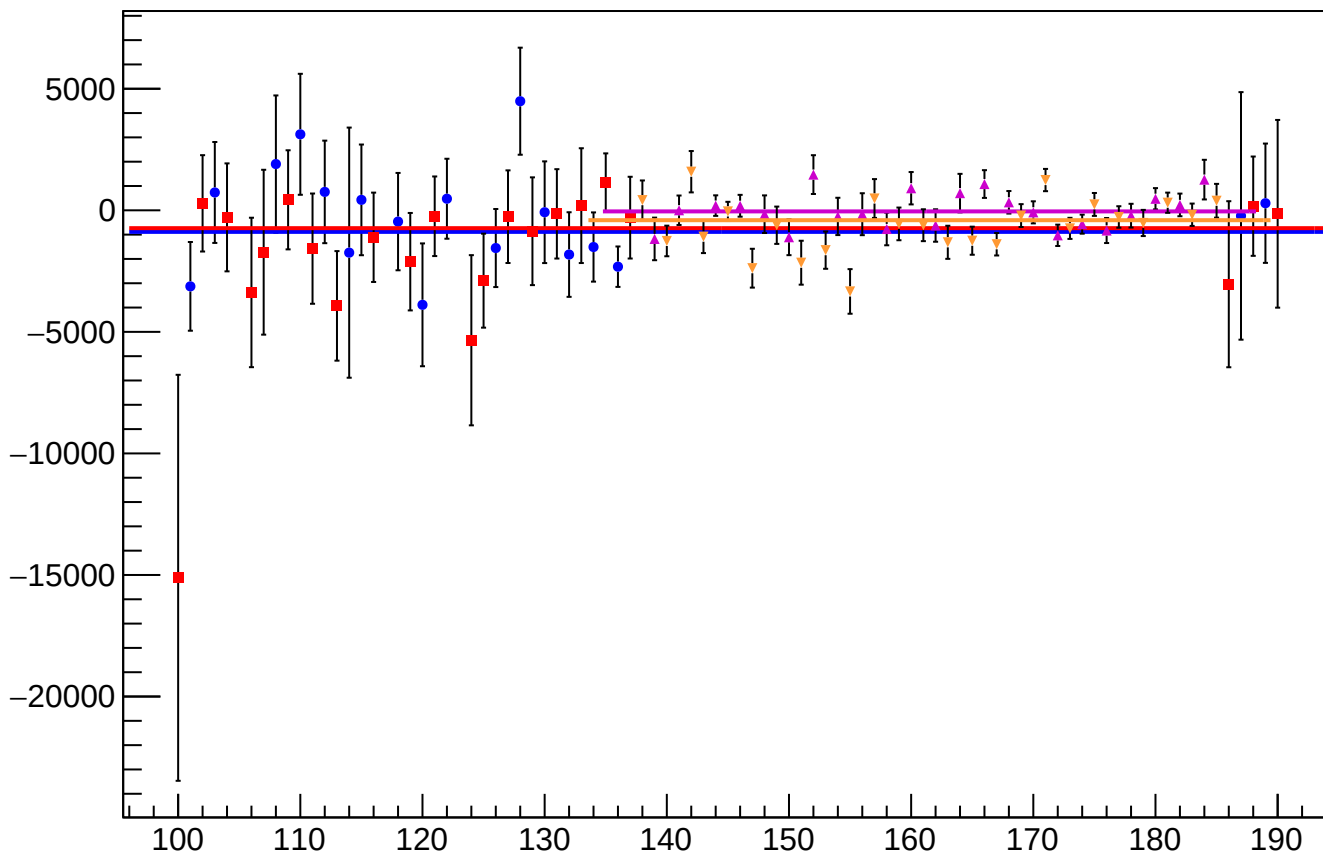
Left In: 58.397 $\pm$ 0.010 χ^2 /NDF: 735208.2/22

+ sign 62.249 $\pm$ 0.009 χ^2 /NDF: 3759211.7/42

All: 62.887 $\pm$ 0.006 χ^2 /NDF: 8913861.3/87

- sign 63.566 $\pm$ 0.009 χ^2 /NDF: 5143806.6/44

asym_sam_3726_avg_reg_correction_mean vs Slug



Right In: -886.841 $\pm$ 432.377 χ^2 /NDF: 18.8/17

Left Out: -406.322 $\pm$ 113.468 χ^2 /NDF:63.2/24

Right Out: -734.354 $\pm$ 449.005 χ^2 /NDF: 13.7/21

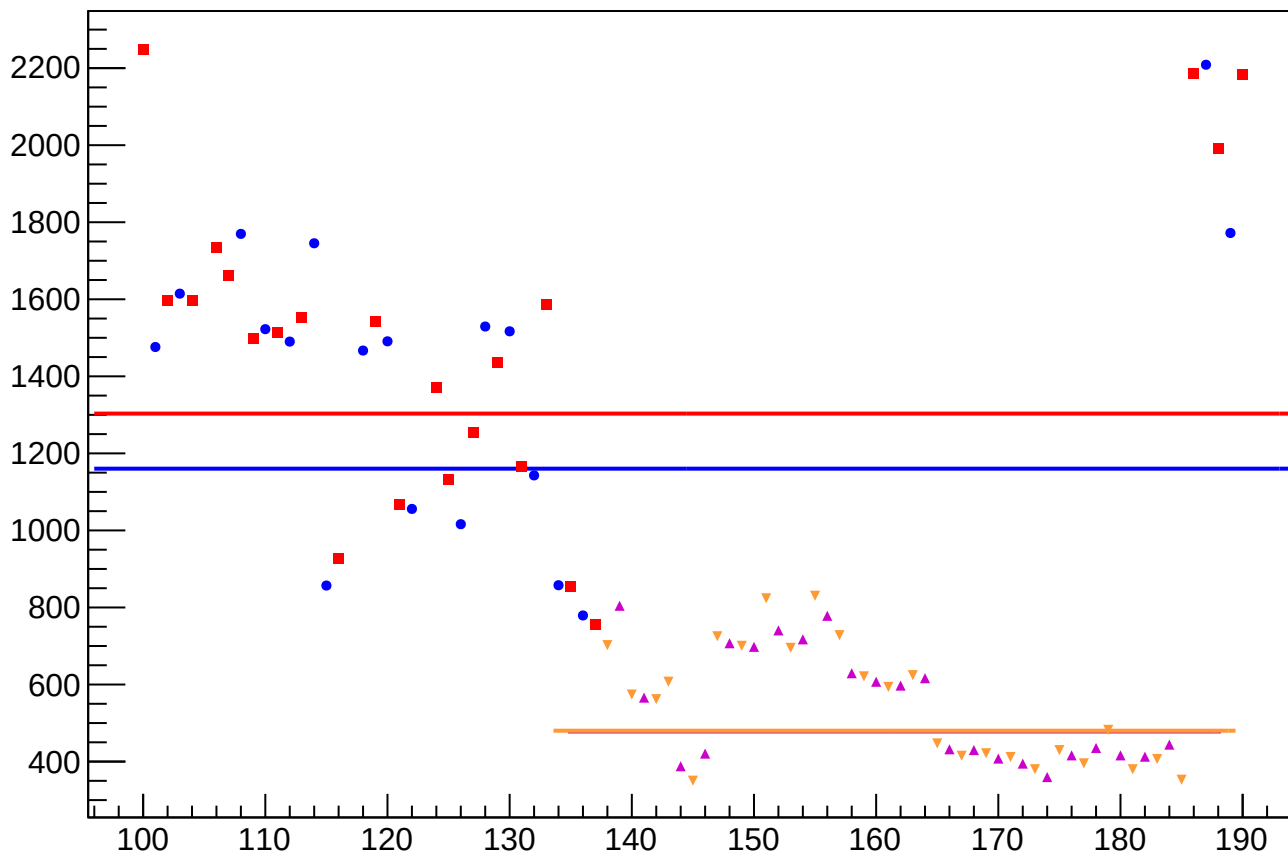
Left In: -44.831 $\pm$ 115.765 χ^2 /NDF:31.1/22

+ sign -437.282 $\pm$ 109.751 χ^2 /NDF: 83.1/42

All: -266.244 $\pm$ 78.423 χ^2 /NDF: 135.0/87

- sign -87.810 $\pm$ 112.099 χ^2 /NDF: 46.9/44

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1160.300+/-0.306 χ^2/NDF : 1341126.0/17

Left Out: 480.162+/-0.080 χ^2/NDF : 2582213.9/24

Right Out: 1303.283+/-0.317 χ^2/NDF : 1400380.1/21

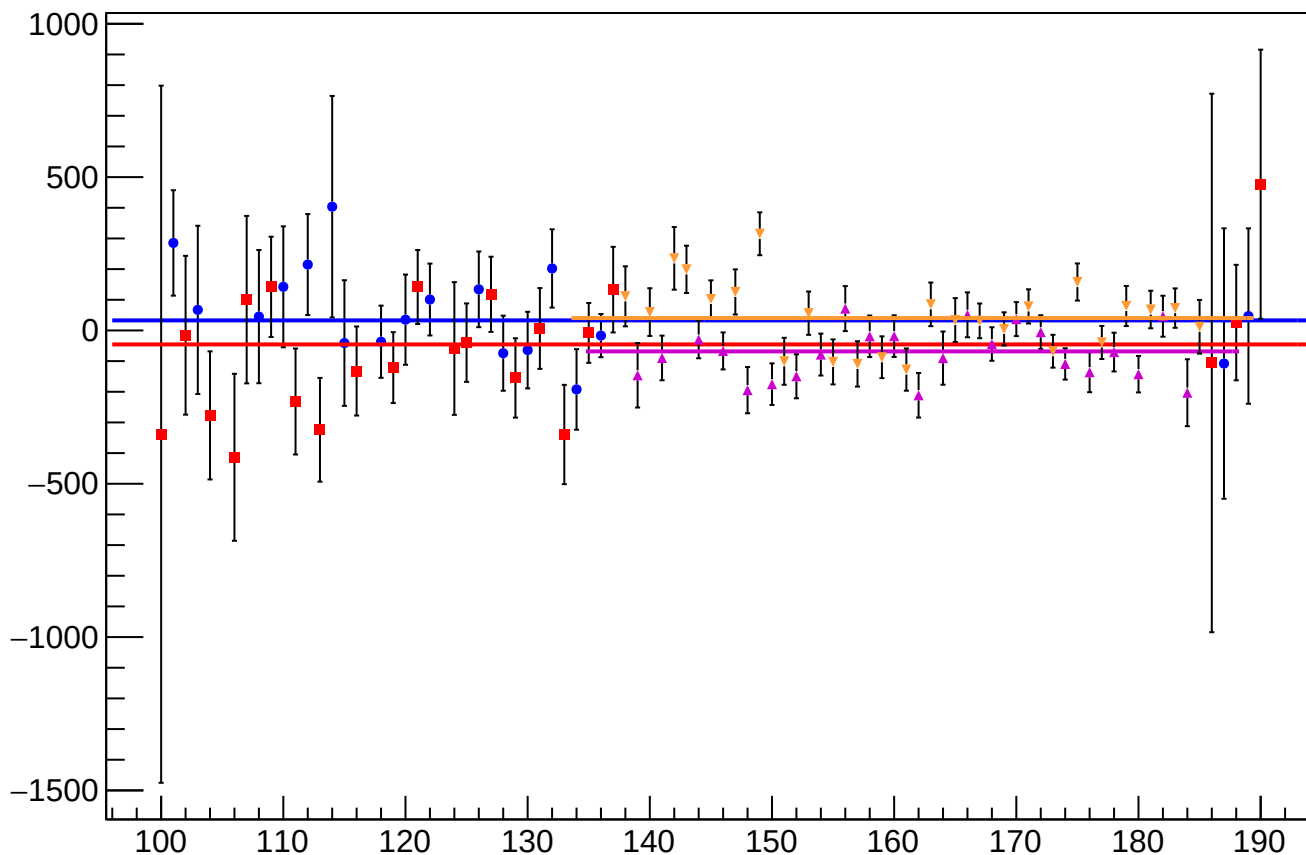
Left In: 478.084+/-0.082 χ^2/NDF : 2215520.4/22

+ sign 523.984+/-0.078 χ^2/NDF : 8553285.5/42

All: 526.693+/-0.055 χ^2/NDF : 18505923.3/87

- sign 529.519+/-0.079 χ^2/NDF : 9950148.3/44

cor_asym_sam_3726_avg_mean vs Slug



Right In: 32.790 $\pm$ 33.548 χ^2 /NDF: 12.9/17

Left Out: 40.344 $\pm$ 13.402 χ^2 /NDF: 59.4/24

Right Out: -45.543 $\pm$ 34.141 χ^2 /NDF: 21.1/21

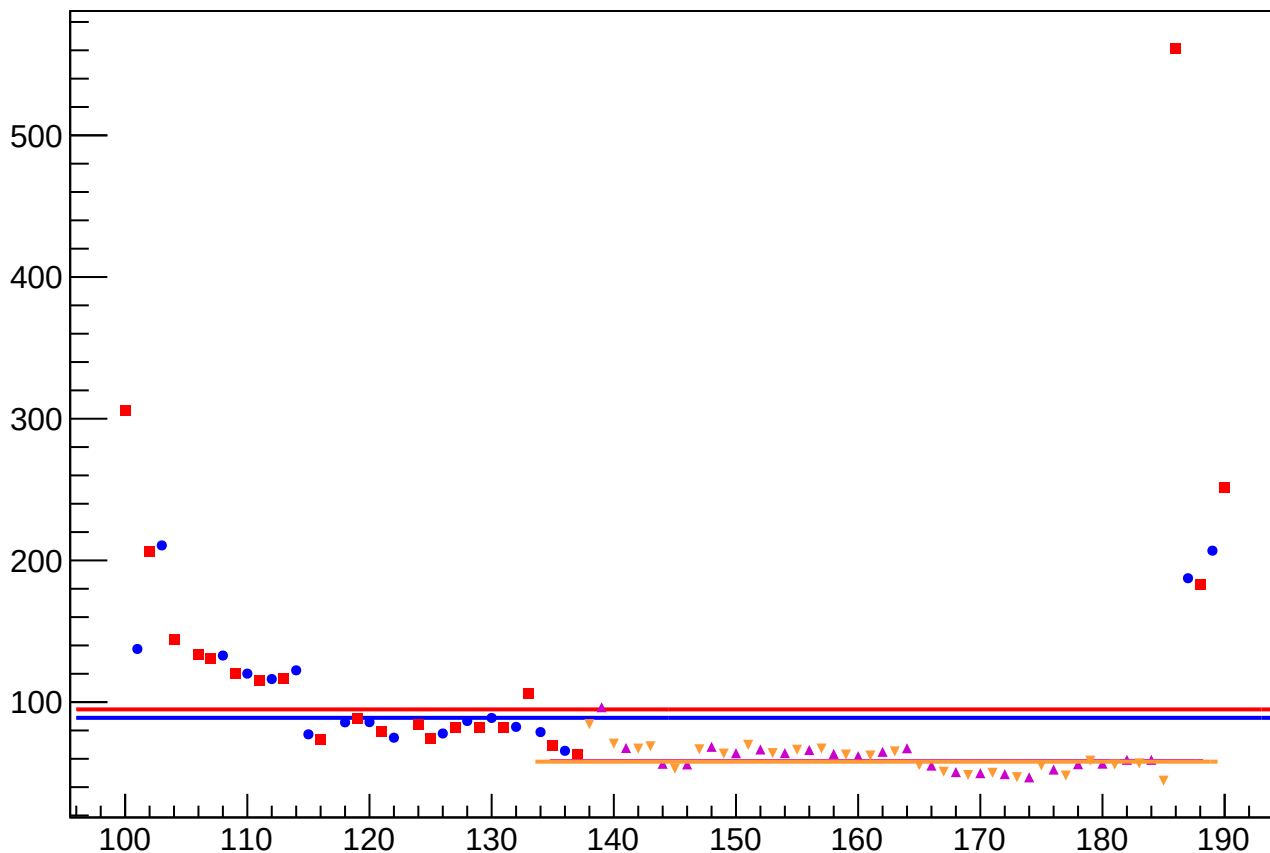
Left In: -68.343 $\pm$ 13.866 χ^2 /NDF: 31.7/22

+ sign 39.304 $\pm$ 12.446 χ^2 /NDF: 72.4/42

All: -11.248 $\pm$ 8.939 χ^2 /NDF: 159.7/87

- sign -65.115 $\pm$ 12.847 χ^2 /NDF: 53.2/44

cor_asym_sam_3726_avg_rms vs Slug



Right In: 88.903 ± 0.024 χ^2/NDF : 1487620.1/17

Left Out: 57.996 ± 0.009 χ^2/NDF : 807648.7/24

Right Out: 94.867 ± 0.024 χ^2/NDF : 2441487.0/21

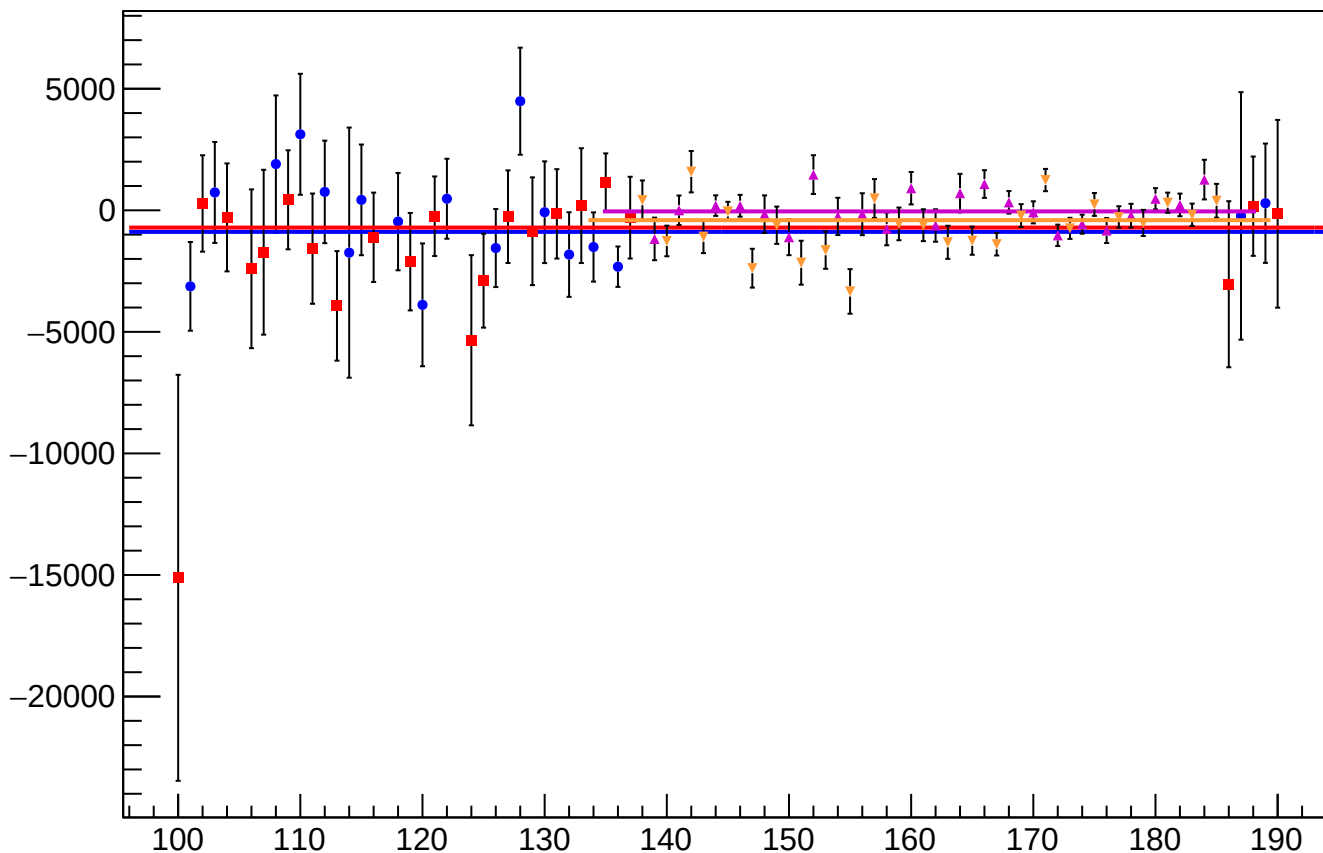
Left In: 58.397 ± 0.010 χ^2/NDF : 735208.2/22

+ sign 62.249 ± 0.009 χ^2/NDF : 3759213.9/42

All: 62.884 ± 0.006 χ^2/NDF : 8905692.7/87

- sign 63.561 ± 0.009 χ^2/NDF : 5135725.9/44

asym_sam_3726_avg_cor_correction_mean vs Slug



Right In: -886.809+/-432.378 χ^2/NDF : 18.8/17

Left Out: -406.320+/-113.468 χ^2/NDF : 63.2/24

Right Out: -709.830+/-449.568 χ^2/NDF : 13.2/21

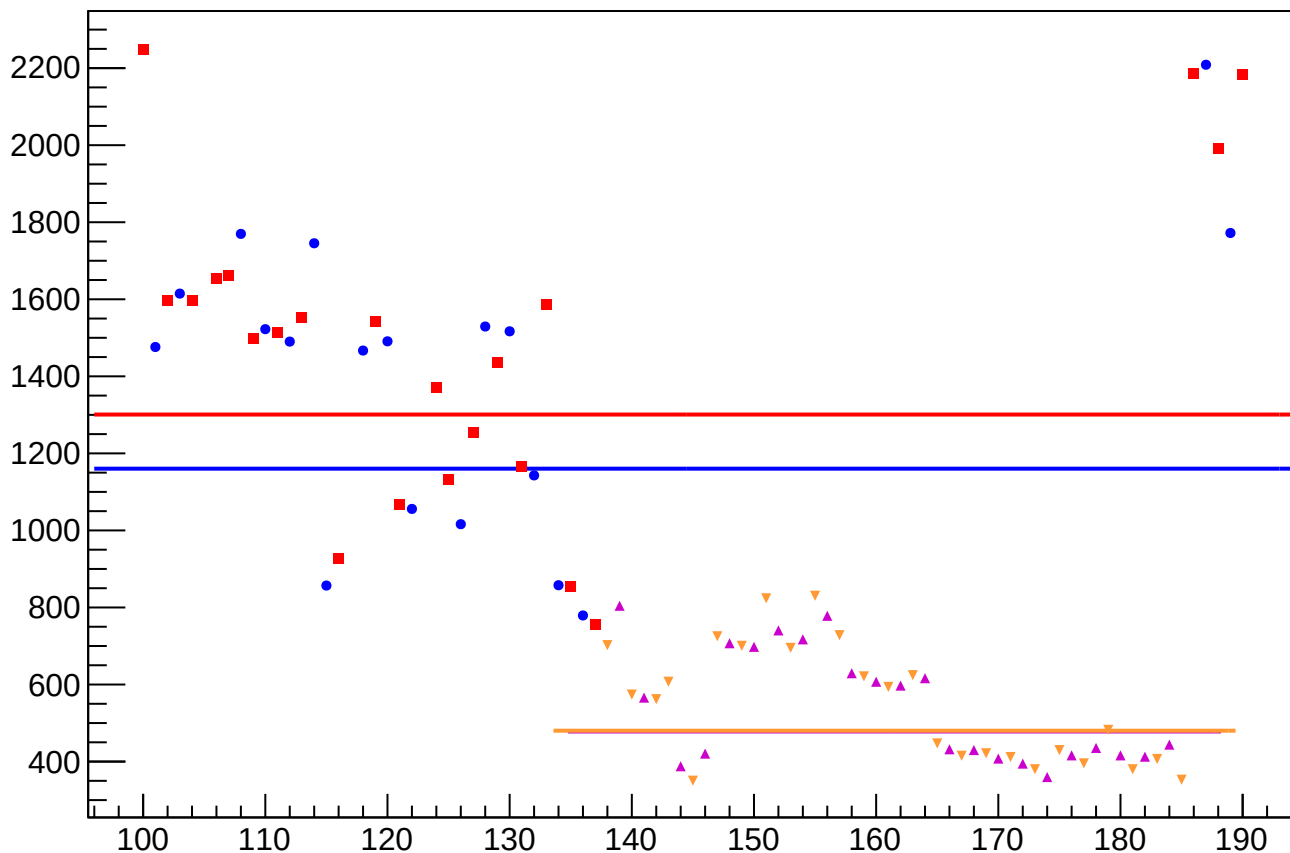
Left In: -44.830+/-115.765 χ^2/NDF : 31.1/22

+ sign -437.278+/-109.751 χ^2/NDF : 83.1/42

All: -265.459+/-78.426 χ^2/NDF : 134.4/87

- sign -86.183+/-112.108 χ^2/NDF : 46.3/44

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1160.302 $\pm$ 0.306 χ^2 /NDF: 1341161.7/17

Left Out: 480.162 $\pm$ 0.080 χ^2 /NDF: 2582209.1/24

Right Out: 1300.794 $\pm$ 0.318 χ^2 /NDF: 1384694.4/21

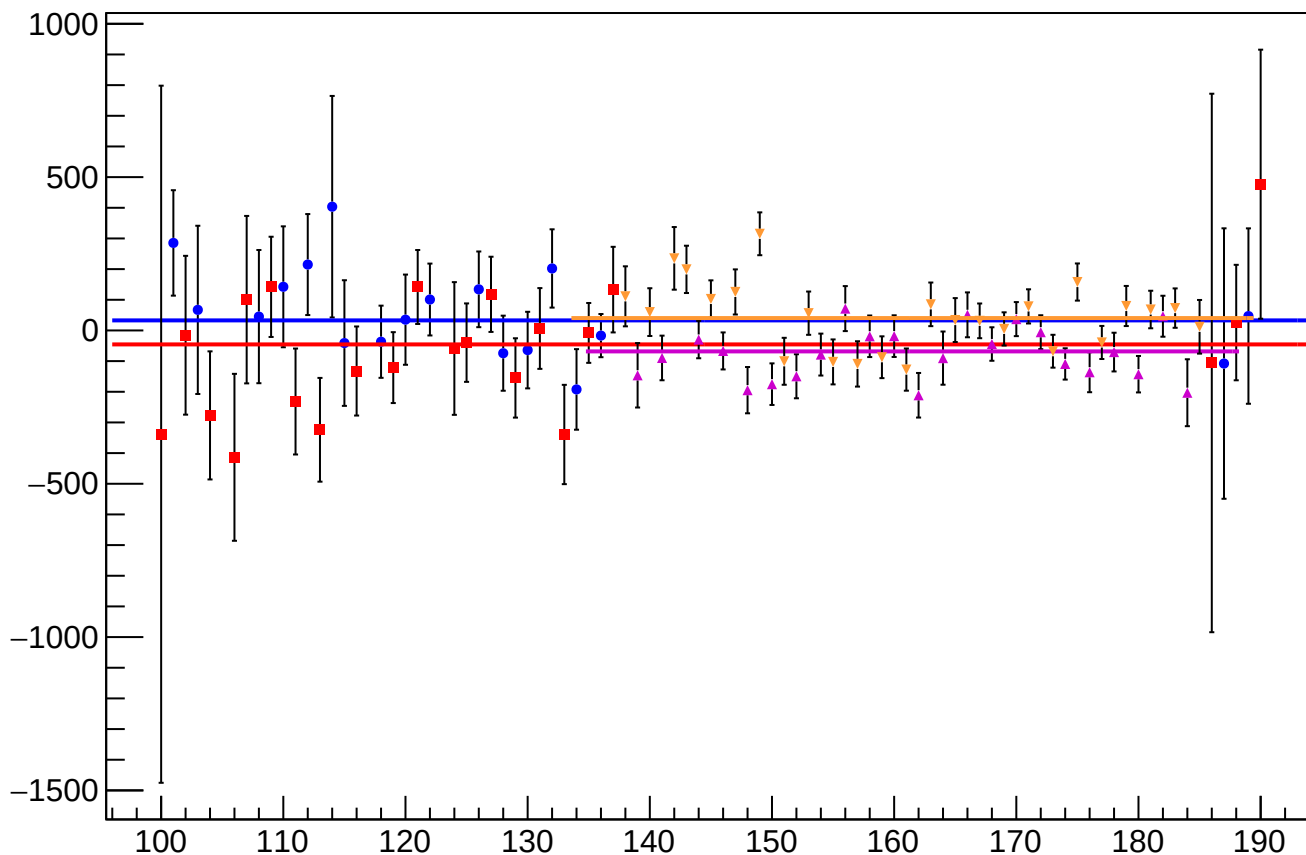
Left In: 478.084 $\pm$ 0.082 χ^2 /NDF: 2215518.9/22

+ sign 523.984 $\pm$ 0.078 χ^2 /NDF: 8553312.1/42

All: 526.558 $\pm$ 0.055 χ^2 /NDF: 18437081.9/87

- sign 529.243 $\pm$ 0.079 χ^2 /NDF: 9881522.0/44

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 32.790+/-33.548 χ^2/NDF : 12.9/17

Left Out: 40.344+/-13.402 χ^2/NDF : 59.4/24

Right Out: -45.543+/-34.141 χ^2/NDF : 21.1/21

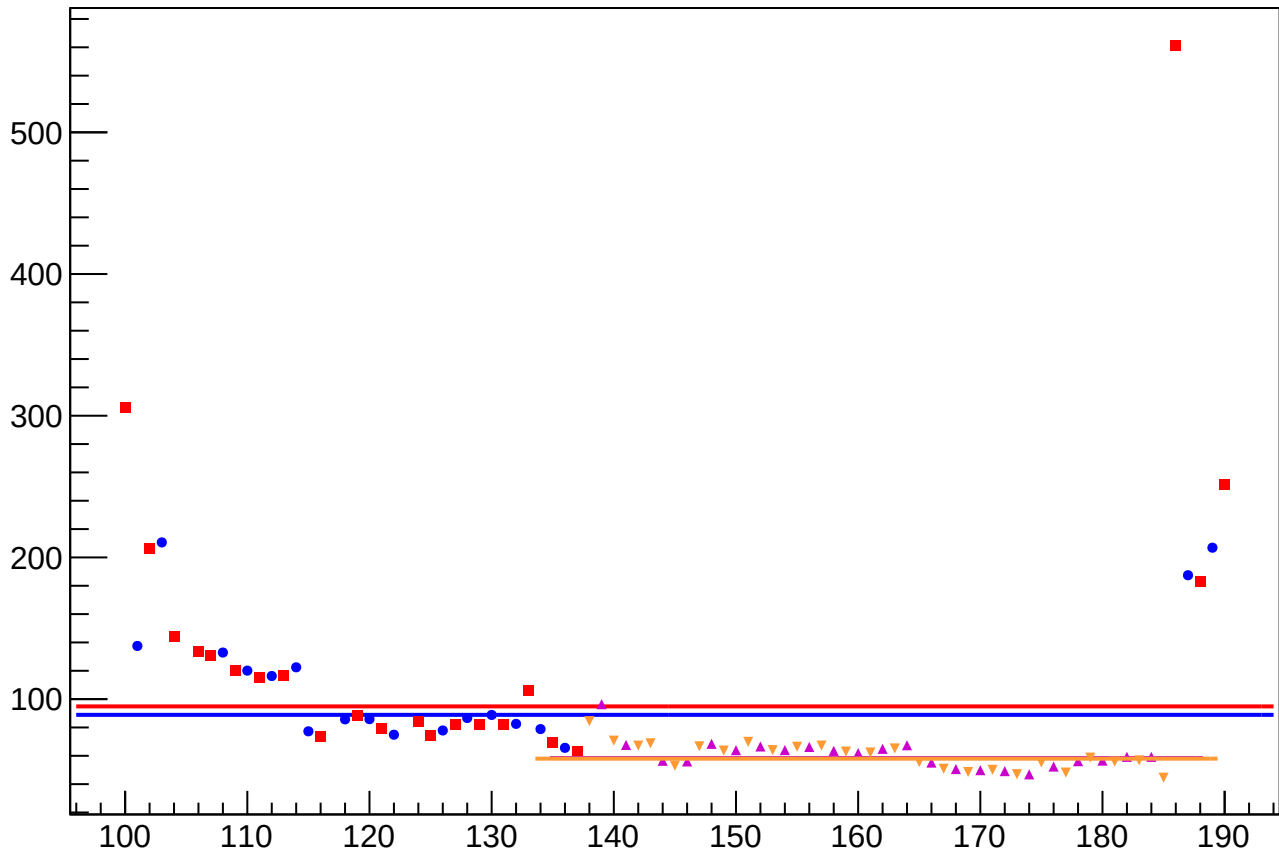
Left In: -68.343+/-13.866 χ^2/NDF : 31.7/22

+ sign 39.304+/-12.446 χ^2/NDF : 72.4/42

All: -11.248+/-8.939 χ^2/NDF : 159.7/87

- sign -65.115+/-12.847 χ^2/NDF : 53.2/44

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 88.903 $\pm$ 0.024 χ^2 /NDF: 1487620.1/17

Left Out: 57.996 $\pm$ 0.009 χ^2 /NDF: 807648.7/24

Right Out: 94.867 $\pm$ 0.024 χ^2 /NDF: 2441487.0/21

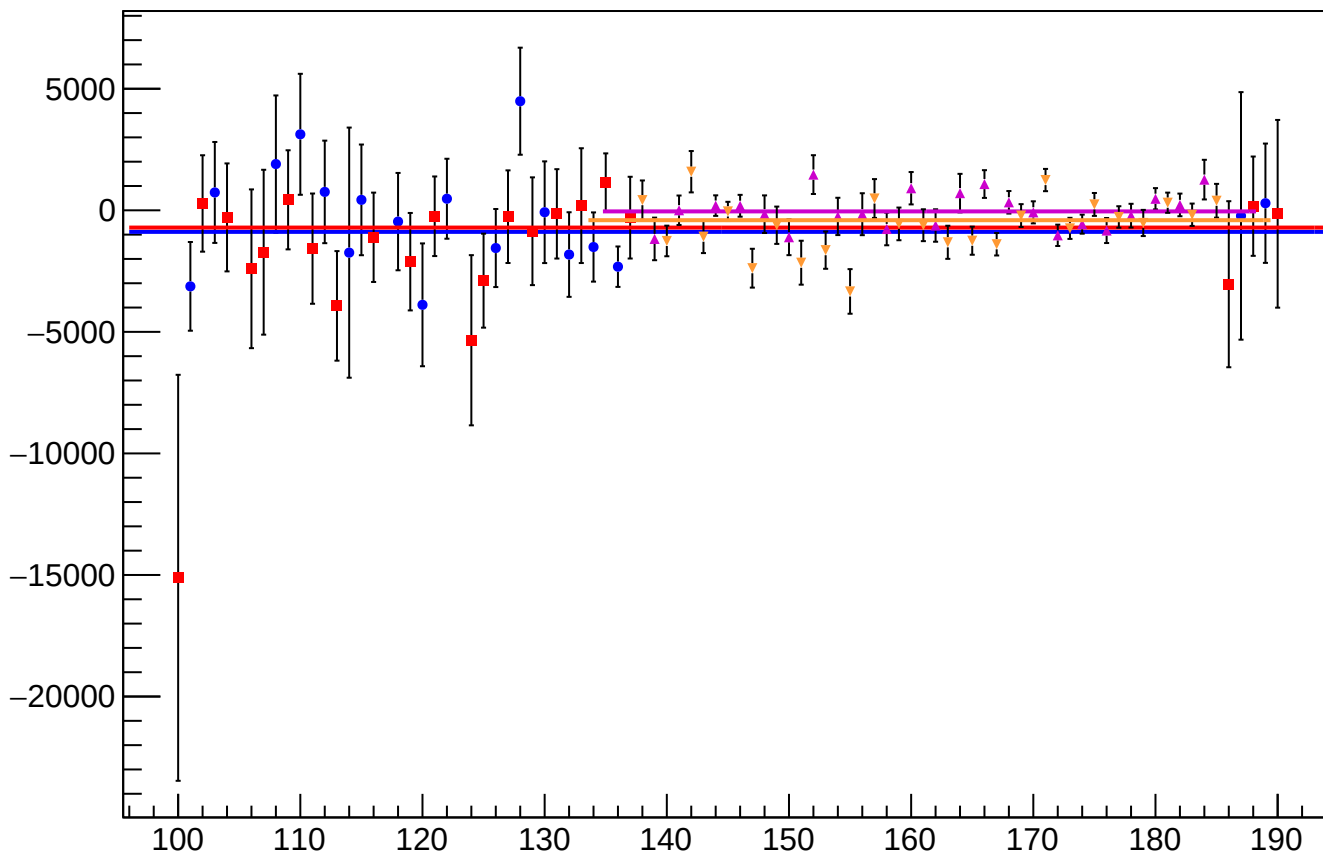
Left In: 58.397 $\pm$ 0.010 χ^2 /NDF: 735208.2/22

+ sign 62.249 $\pm$ 0.009 χ^2 /NDF: 3759213.9/42

All: 62.884 $\pm$ 0.006 χ^2 /NDF: 8905692.7/87

- sign 63.561 $\pm$ 0.009 χ^2 /NDF: 5135725.9/44

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug



Right In: -886.809 $\pm$ 432.378 χ^2 /NDF: 18.8/17

Left Out: -406.320 $\pm$ 113.468 χ^2 /NDF:63.2/24

Right Out: -709.830 $\pm$ 449.568 χ^2 /NDF: 13.2/21

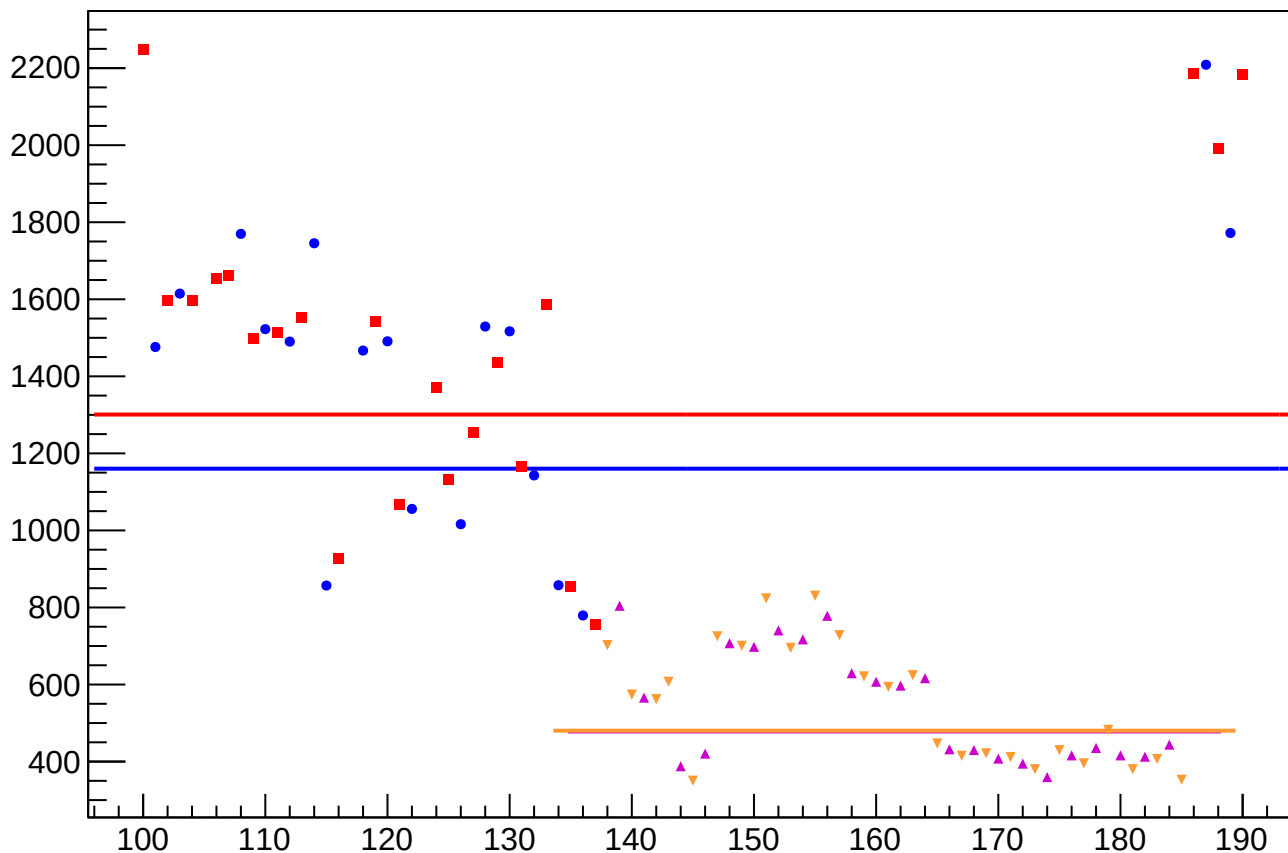
Left In: -44.830 $\pm$ 115.765 χ^2 /NDF:31.1/22

+ sign -437.278 $\pm$ 109.751 χ^2 /NDF: 83.1/42

All: -265.459 $\pm$ 78.426 χ^2 /NDF: 134.4/87

- sign -86.183 $\pm$ 112.108 χ^2 /NDF: 46.3/44

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1160.302+/-0.306 χ^2/NDF : 1341161.7/17

Left Out: 480.162+/-0.080 χ^2/NDF : 2582209.1/24

Right Out: 1300.794+/-0.318 χ^2/NDF : 1384694.4/21

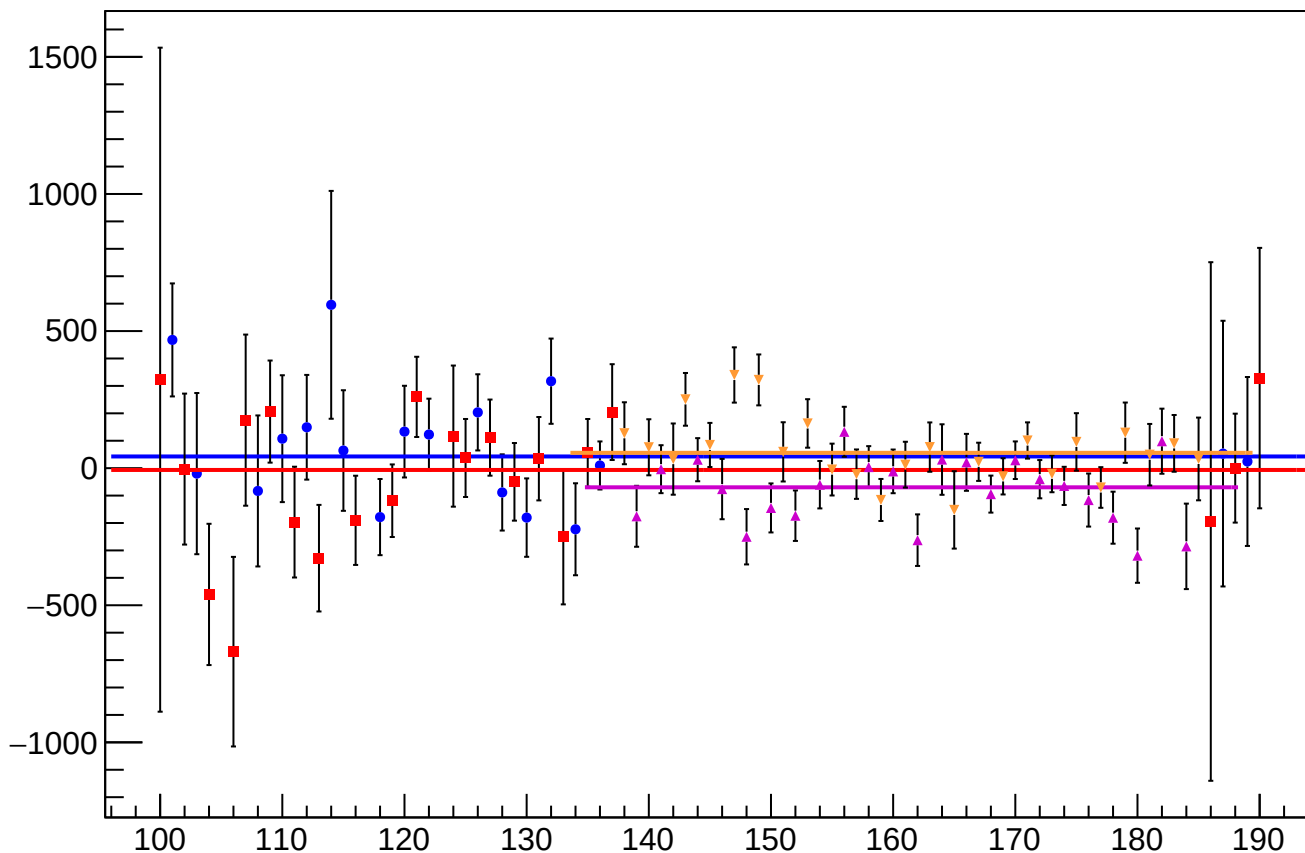
Left In: 478.084+/-0.082 χ^2/NDF : 2215518.9/22

+ sign 523.984+/-0.078 χ^2/NDF : 8553312.1/42

All: 526.558+/-0.055 χ^2/NDF : 18437081.9/87

- sign 529.243+/-0.079 χ^2/NDF : 9881522.0/44

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.677 ± 39.484 $\chi^2/\text{NDF}: 20.3/17$

Left Out: 55.949 ± 17.949 $\chi^2/\text{NDF}: 38.3/24$

Right Out: -6.555 ± 40.030 $\chi^2/\text{NDF}: 21.9/21$

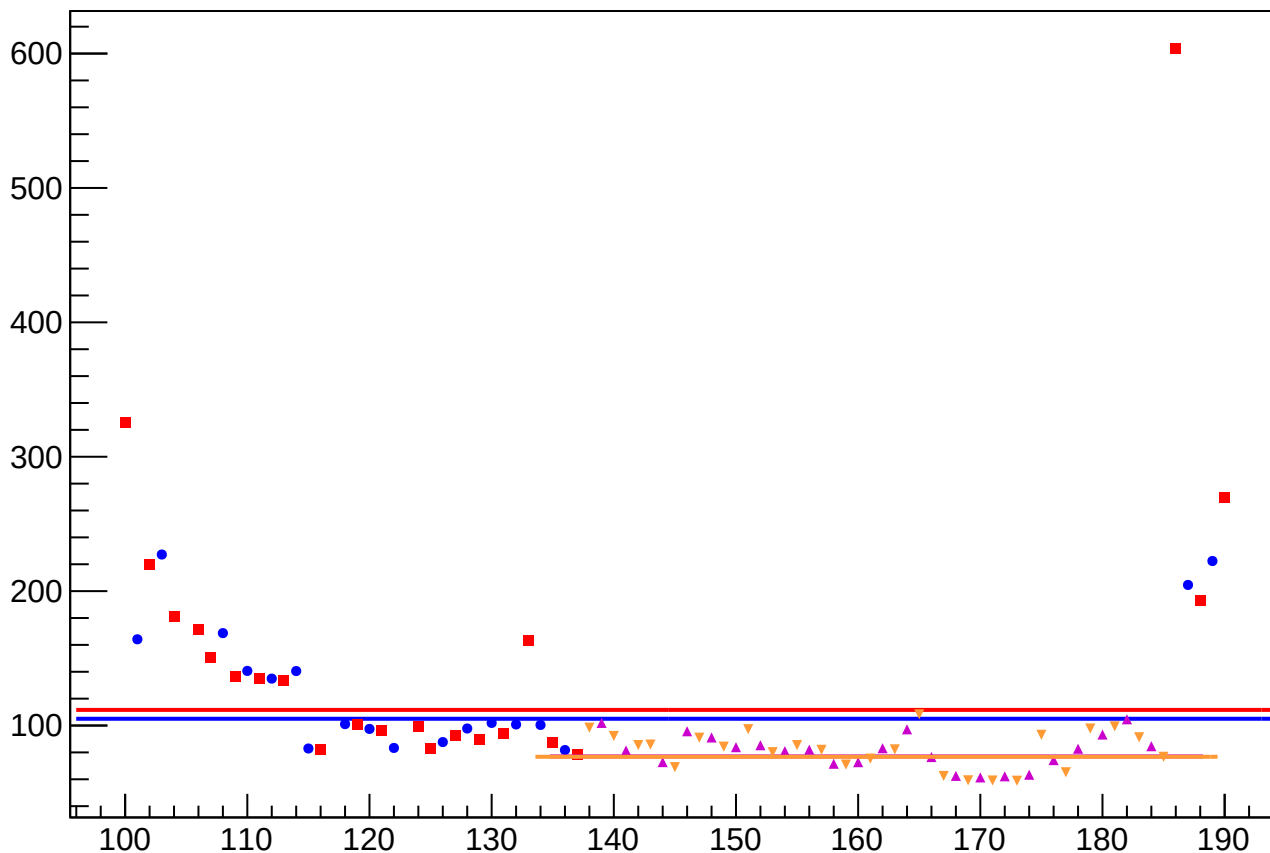
Left In: -69.844 ± 18.497 $\chi^2/\text{NDF}: 34.5/22$

+ sign 53.676 ± 16.340 $\chi^2/\text{NDF}: 58.7/42$

All: -0.988 ± 11.710 $\chi^2/\text{NDF}: 140.2/87$

- sign -58.709 ± 16.791 $\chi^2/\text{NDF}: 58.5/44$

dit_asym_sam_3726_avg_rms vs Slug



Right In: 105.029+/-0.028 χ^2/NDF : 1365927.0/17

Left Out: 76.744+/-0.013 χ^2/NDF :1234629.1/24

Right Out: 111.632+/-0.028 χ^2/NDF : 2329893.8/21

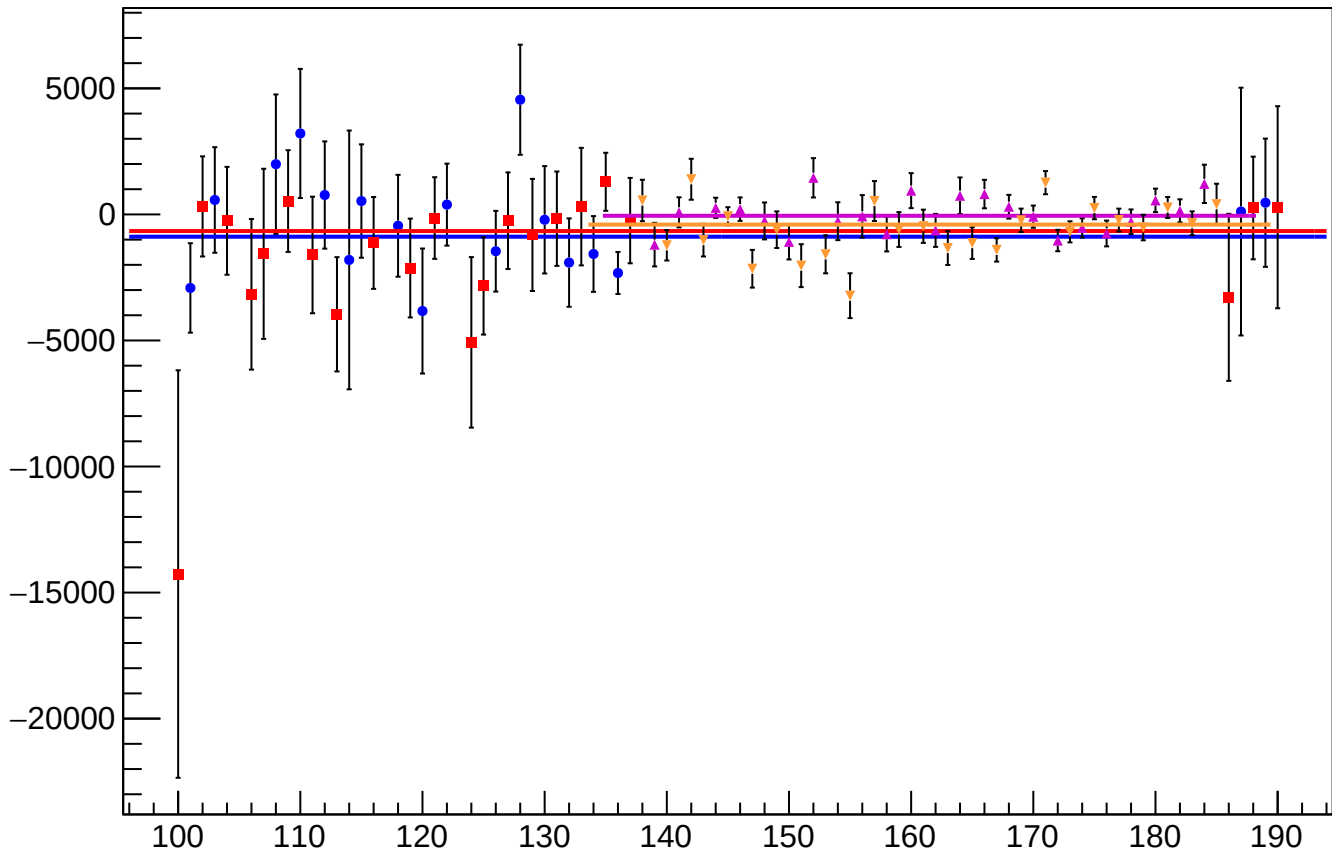
Left In: 77.018+/-0.013 χ^2/NDF :858871.7/22

+ sign 81.588+/-0.012 χ^2/NDF : 3451134.2/42

All: 82.327+/-0.008 χ^2/NDF : 7880580.5/87

- sign 83.108+/-0.012 χ^2/NDF : 4421028.2/44

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -883.466 ± 434.459 χ^2/NDF : 18.8/17

Left Out: -403.375 ± 111.773 χ^2/NDF : 60.7/24

Right Out: -659.950 ± 444.764 χ^2/NDF : 14.4/21

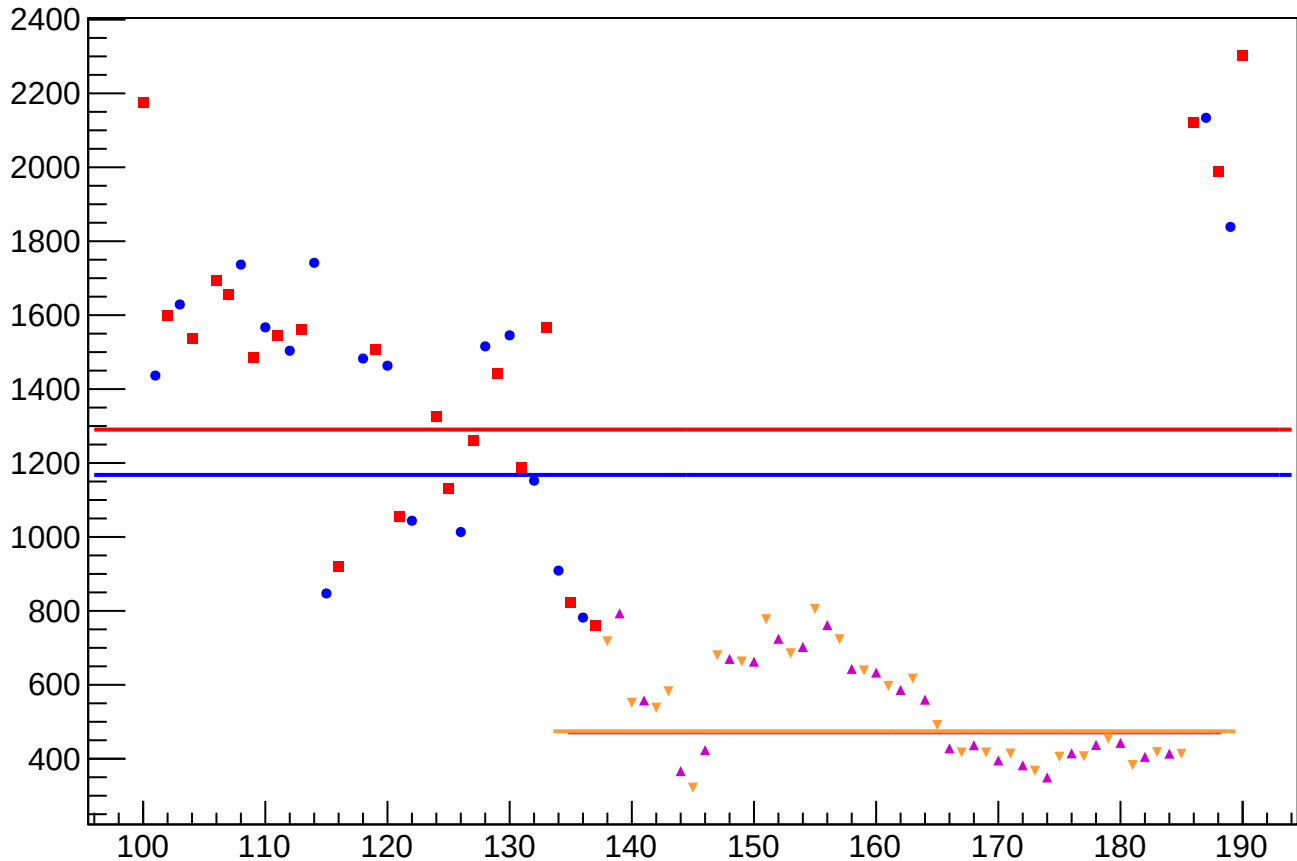
Left In: -54.192 ± 114.223 χ^2/NDF : 30.7/22

+ sign -433.179 ± 108.248 χ^2/NDF : 80.7/42

All: -266.146 ± 77.372 χ^2/NDF : 132.3/87

- sign -91.673 ± 110.633 χ^2/NDF : 46.8/44

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1167.824+/-0.307 χ^2/NDF : 1317952.9/17

Left Out: 474.294+/-0.079 χ^2/NDF : 2538995.4/24

Right Out: 1290.493+/-0.314 χ^2/NDF : 1450599.5/21

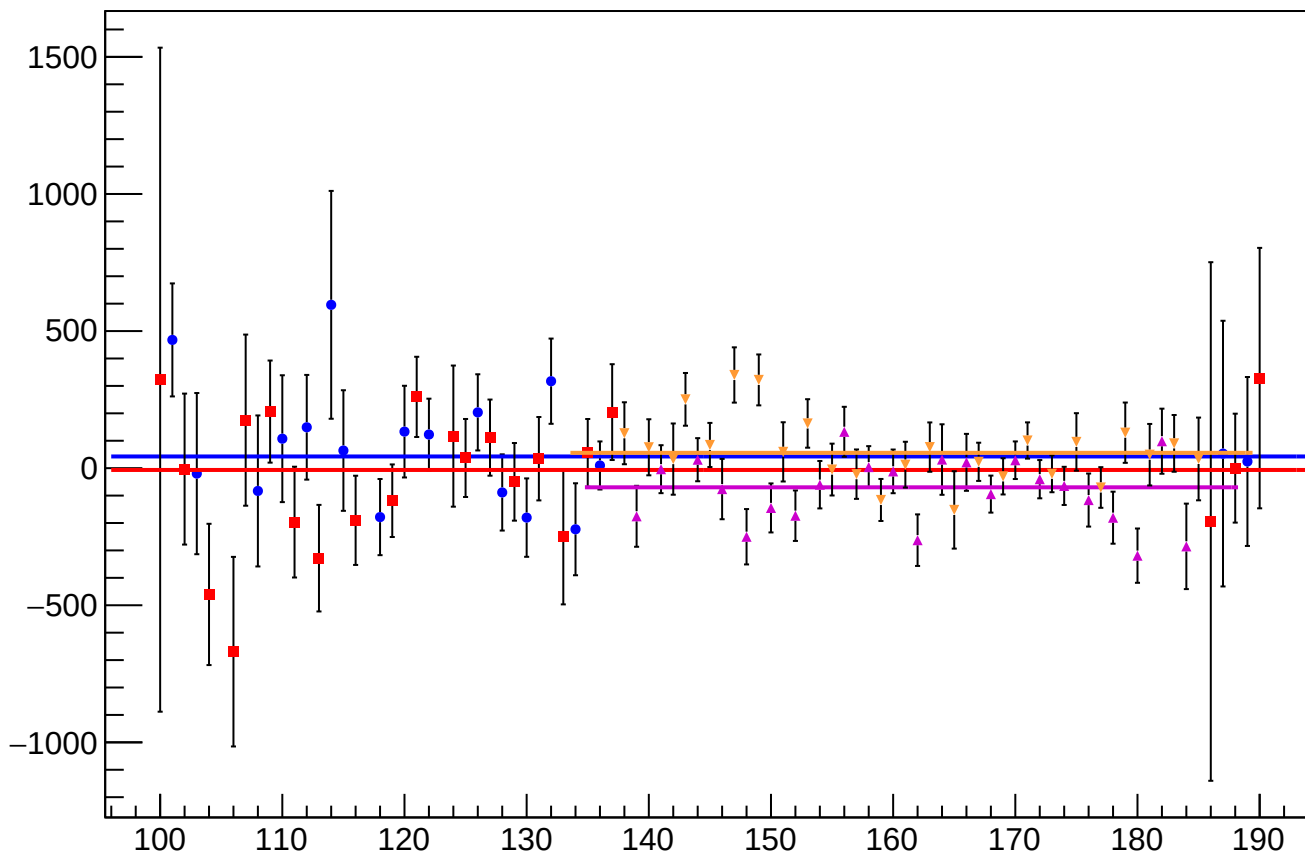
Left In: 471.456+/-0.081 χ^2/NDF : 2209343.4/22

+ sign 517.347+/-0.077 χ^2/NDF : 8636957.4/42

All: 519.688+/-0.055 χ^2/NDF : 18661464.3/87

- sign 522.133+/-0.078 χ^2/NDF : 10022594.9/44

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.677 $\pm$ 39.484 χ^2 /NDF: 20.3/17

Left Out: 55.948 $\pm$ 17.949 χ^2 /NDF: 38.3/24

Right Out: -6.552 $\pm$ 40.030 χ^2 /NDF: 21.9/21

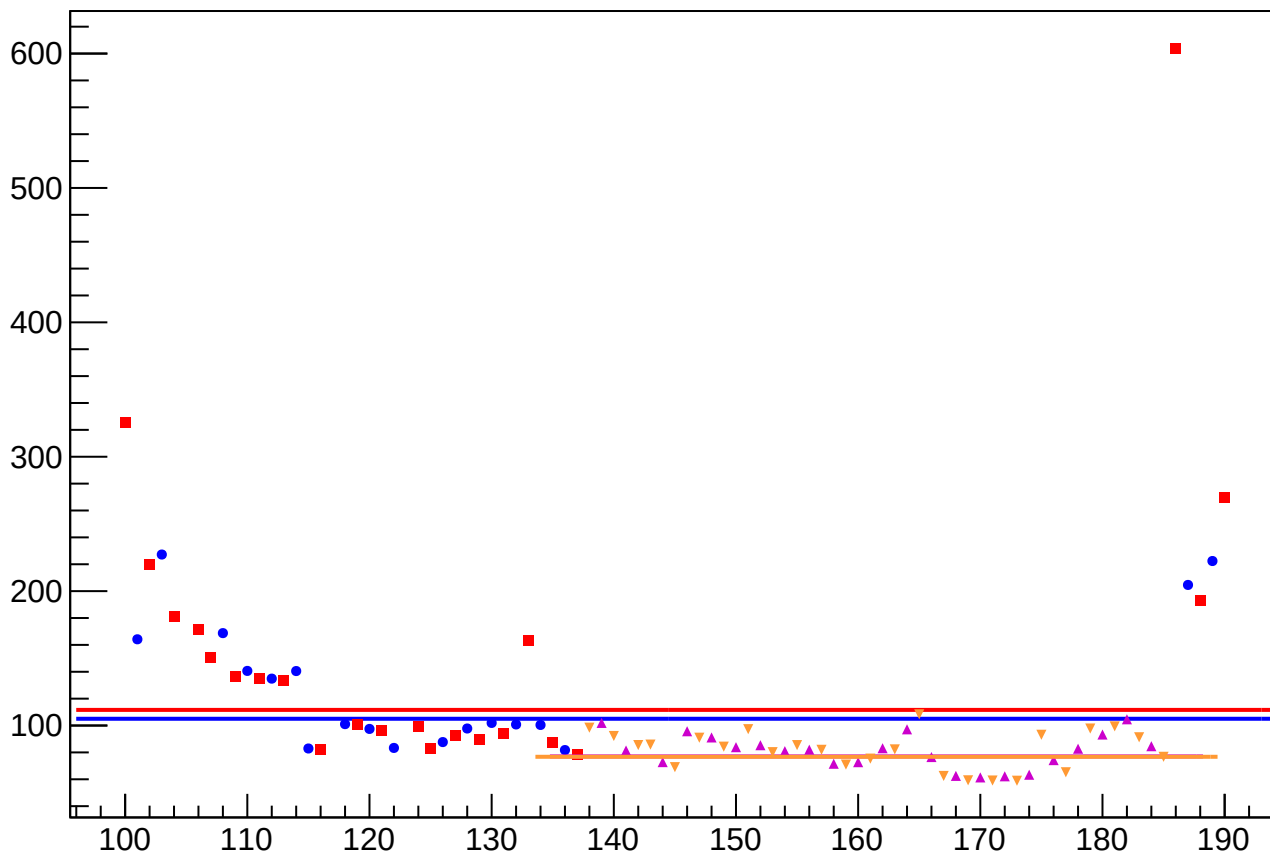
Left In: -69.843 $\pm$ 18.497 χ^2 /NDF: 34.5/22

+ sign 53.675 $\pm$ 16.340 χ^2 /NDF: 58.7/42

All: -0.988 $\pm$ 11.710 χ^2 /NDF: 140.2/87

- sign -58.708 $\pm$ 16.791 χ^2 /NDF: 58.5/44

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 105.029 $\pm$ 0.028 χ^2 /NDF: 1365926.0/17

Left Out: 76.744 $\pm$ 0.013 χ^2 /NDF:1234627.7/24

Right Out: 111.632 $\pm$ 0.028 χ^2 /NDF: 2329900.0/21

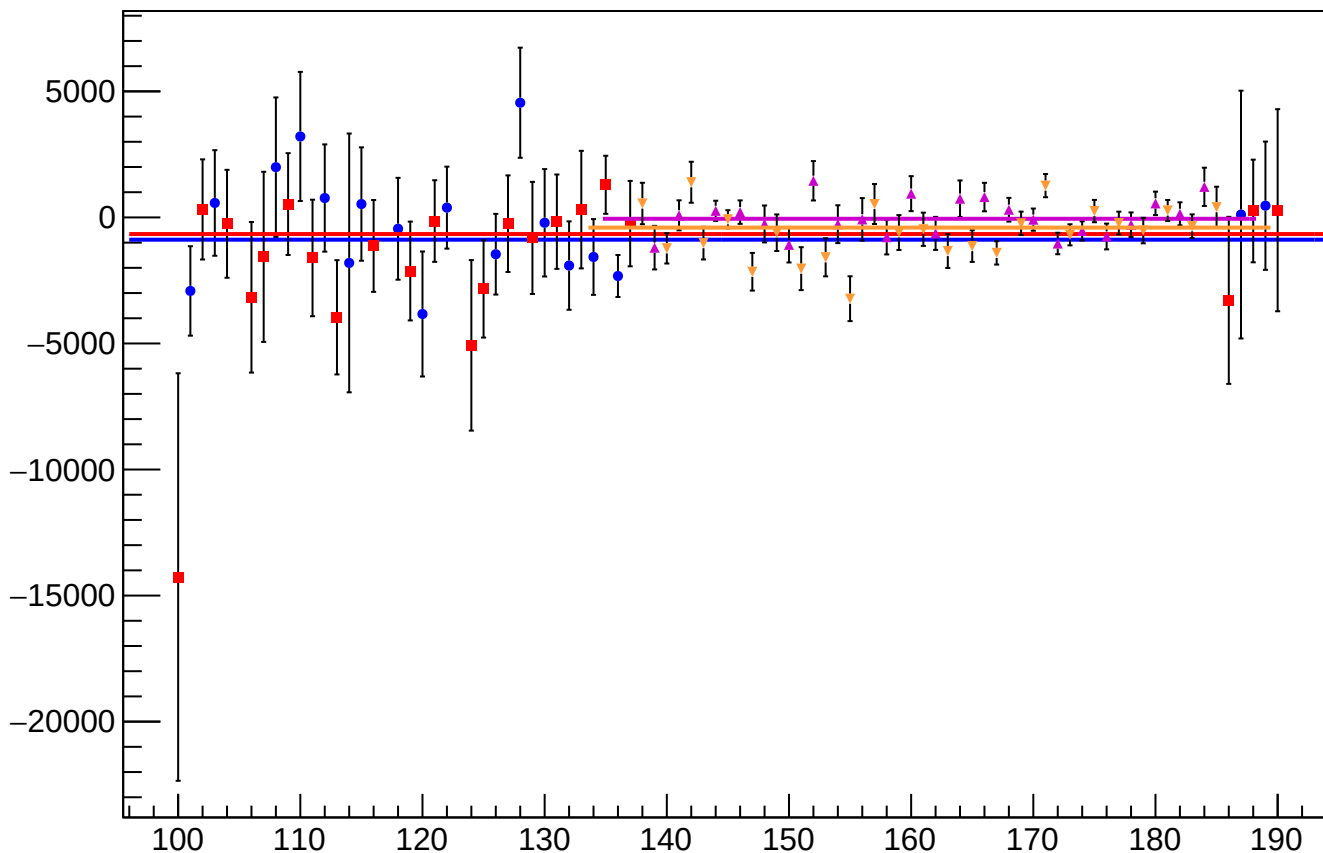
Left In: 77.018 $\pm$ 0.013 χ^2 /NDF:858863.2/22

+ sign 81.588 $\pm$ 0.012 χ^2 /NDF: 3451104.2/42

All: 82.327 $\pm$ 0.008 χ^2 /NDF: 7880521.4/87

- sign 83.108 $\pm$ 0.012 χ^2 /NDF: 4420998.7/44

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug



Right In: -883.462 ± 434.459 χ^2/NDF : 18.8/17

Left Out: -403.375 ± 111.773 χ^2/NDF : 60.7/24

Right Out: -659.951 ± 444.763 χ^2/NDF : 14.4/21

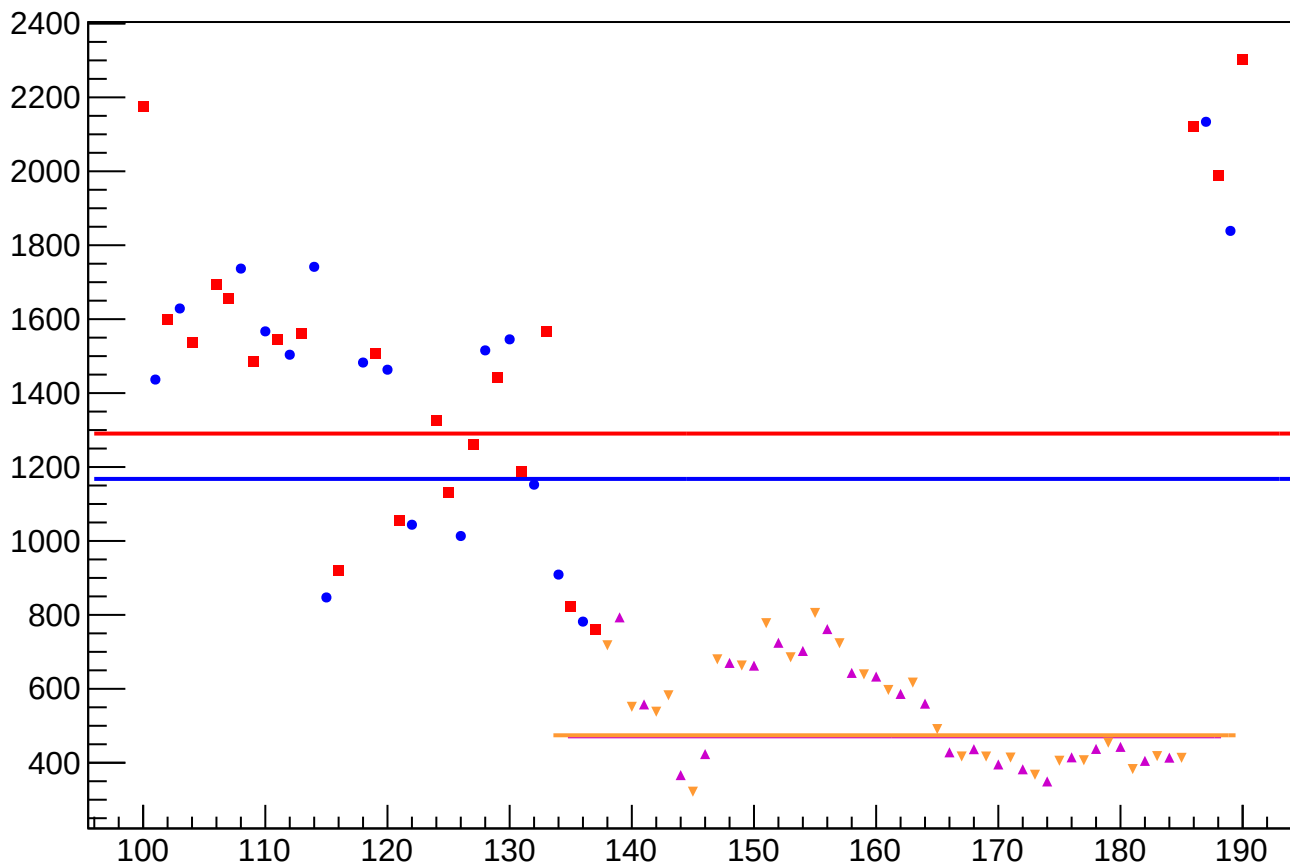
Left In: -54.192 ± 114.223 χ^2/NDF : 30.7/22

+ sign -433.178 ± 108.248 χ^2/NDF : 80.7/42

All: -266.146 ± 77.372 χ^2/NDF : 132.3/87

- sign -91.673 ± 110.633 χ^2/NDF : 46.8/44

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1167.823+/-0.307 χ^2/NDF : 1317940.7/17

Left Out: 474.294+/-0.079 χ^2/NDF : 2538999.2/24

Right Out: 1290.491+/-0.314 χ^2/NDF : 1450590.7/21

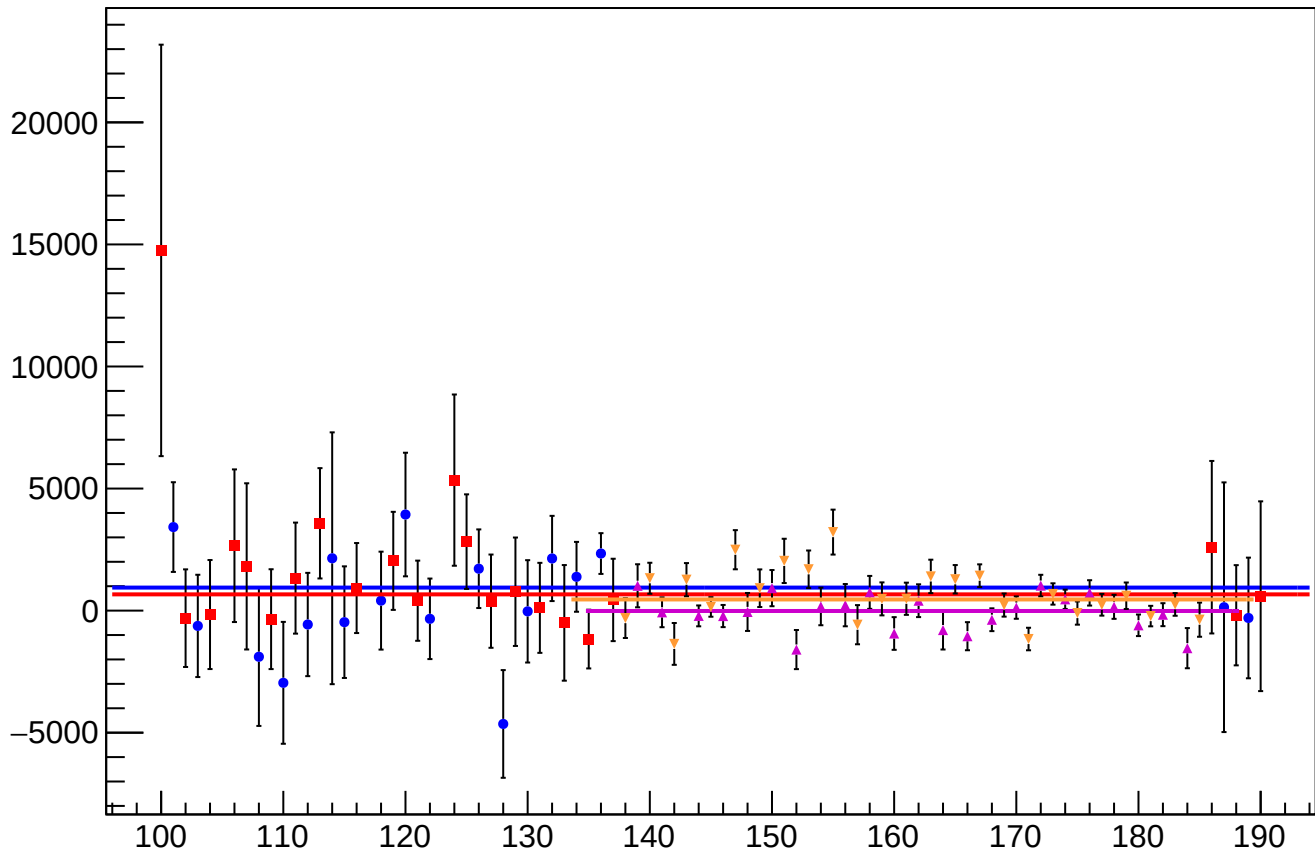
Left In: 471.456+/-0.081 χ^2/NDF : 2209338.4/22

+ sign 517.347+/-0.077 χ^2/NDF : 8636949.8/42

All: 519.688+/-0.055 χ^2/NDF : 18661437.8/87

- sign 522.133+/-0.078 χ^2/NDF : 10022575.7/44

asym_sam_3726_avg_mean vs Slug



Right In: 943.380 ± 434.128 $\chi^2/\text{NDF}: 19.3/17$

Left Out: 457.286 ± 114.351 $\chi^2/\text{NDF}: 59.4/24$

Right Out: 665.858 ± 450.957 $\chi^2/\text{NDF}: 12.4/21$

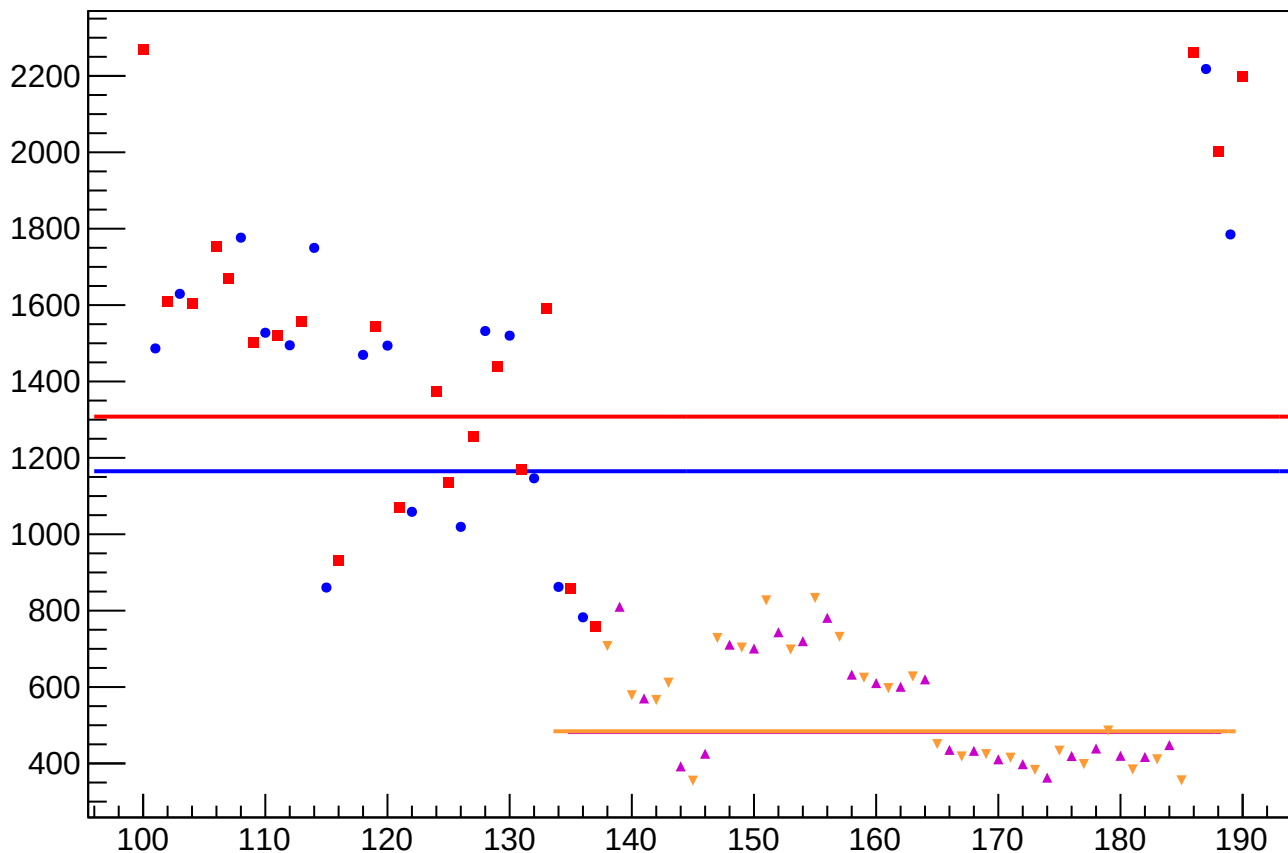
Left In: -15.089 ± 116.701 $\chi^2/\text{NDF}: 30.3/22$

+ sign 488.824 ± 110.580 $\chi^2/\text{NDF}: 79.9/42$

All: 263.187 ± 79.026 $\chi^2/\text{NDF}: 133.2/87$

- sign 27.651 ± 112.979 $\chi^2/\text{NDF}: 44.8/44$

asym_sam_3726_avg_rms vs Slug



Right In: 1164.996 $\pm$ 0.307 χ^2 /NDF: 1342232.6/17

Left Out: 484.128 $\pm$ 0.081 χ^2 /NDF: 2548479.4/24

Right Out: 1307.971 $\pm$ 0.319 χ^2 /NDF: 1419602.3/21

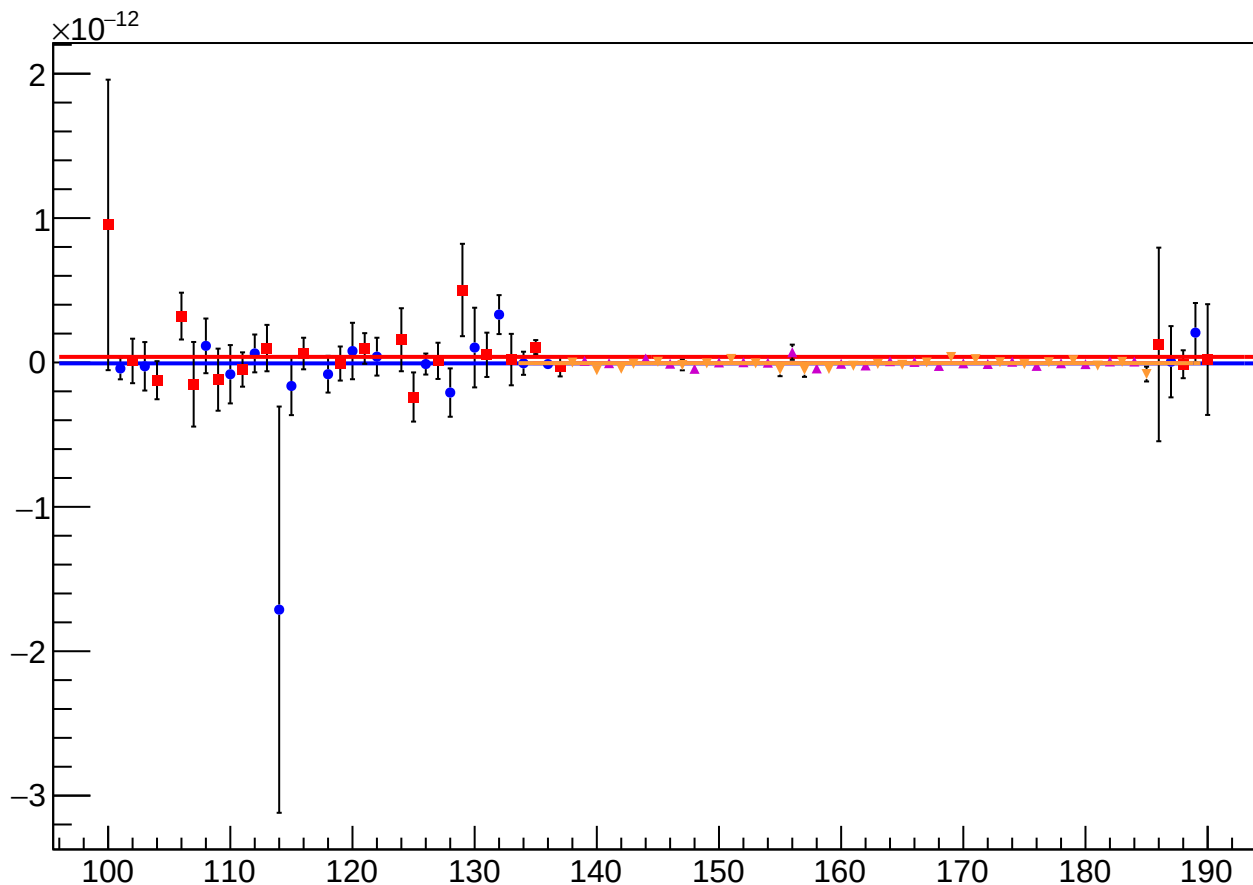
Left In: 482.160 $\pm$ 0.083 χ^2 /NDF: 2186689.9/22

+ sign 528.303 $\pm$ 0.078 χ^2 /NDF: 8491022.6/42

All: 531.087 $\pm$ 0.056 χ^2 /NDF: 18385842.3/87

- sign 533.993 $\pm$ 0.080 χ^2 /NDF: 9892229.0/44

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2 /NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 15.9/21

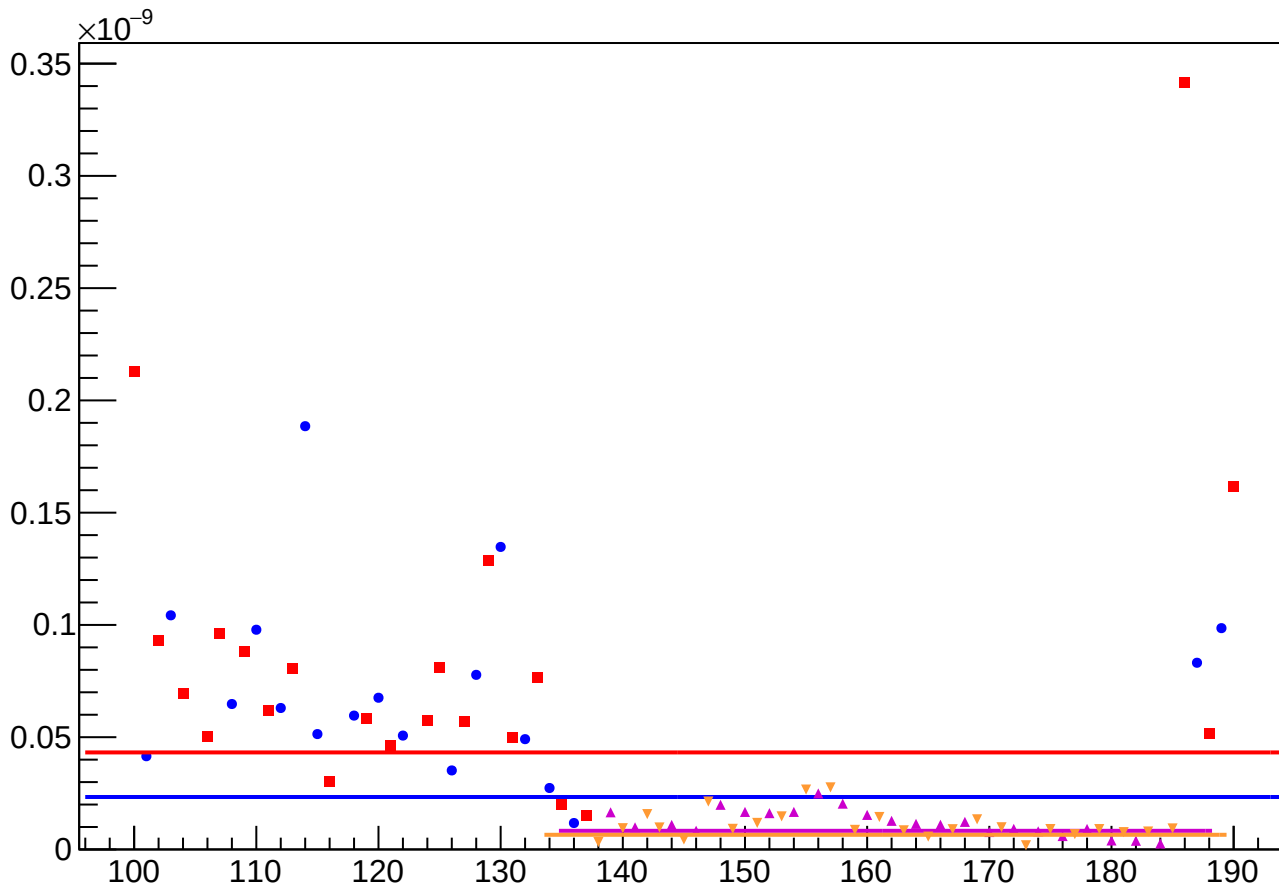
Left In: -0.000+/-0.000 χ^2 /NDF:15.0/22

+ sign -0.000+/-0.000 χ^2 /NDF: 43.9/42

All: -0.000+/-0.000 χ^2 /NDF: 77.5/87

- sign -0.000+/-0.000 χ^2 /NDF: 33.5/44

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3242661.9/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2459123.8/21

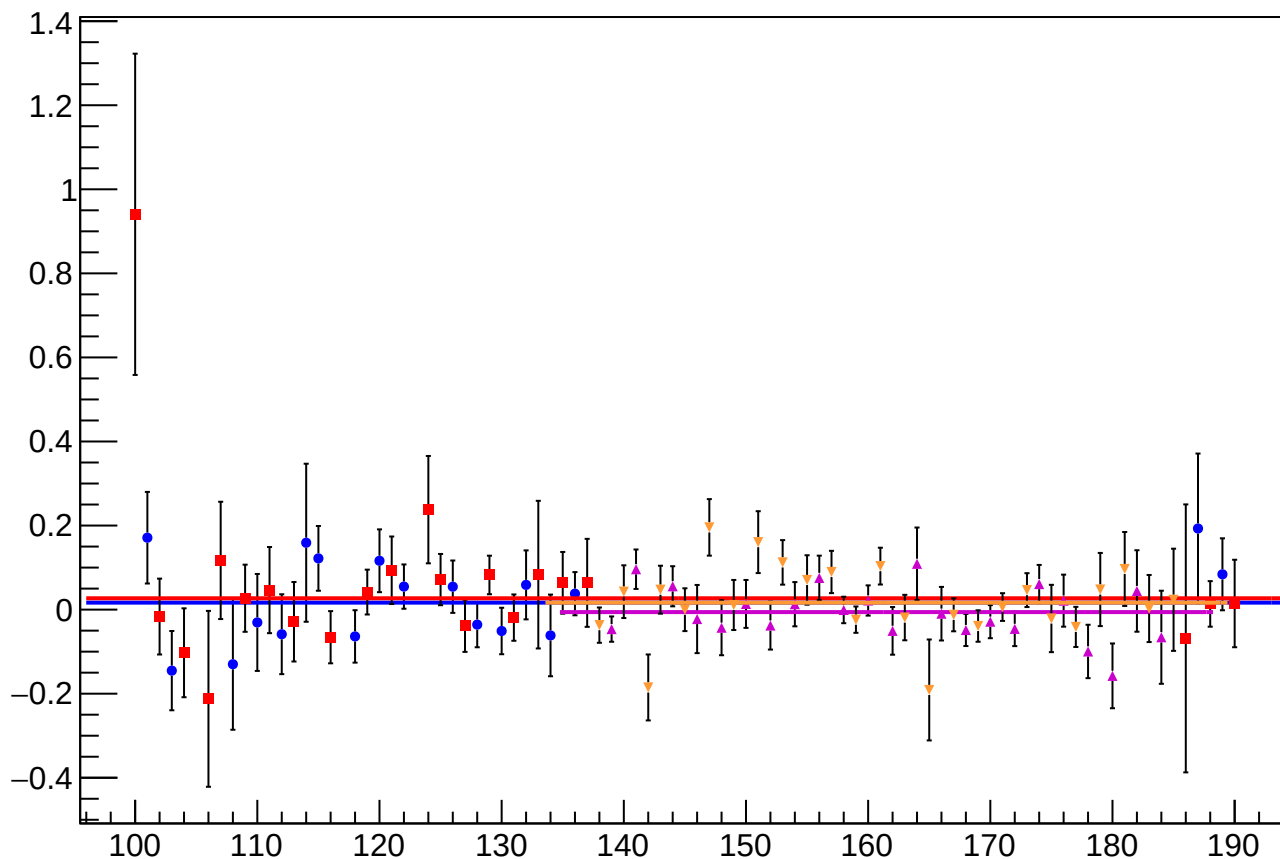
Left In: 0.000+/-0.000 χ^2/NDF : 2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 8823496.7/42

All: 0.000+/-0.000 χ^2/NDF : 17938323.0/87

- sign 0.000+/-0.000 χ^2/NDF : 8794535.9/44

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.018 χ^2 /NDF: 18.5/17

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF: 41.1/24

Right Out: 0.027 $\pm$ 0.017 χ^2 /NDF: 19.7/21

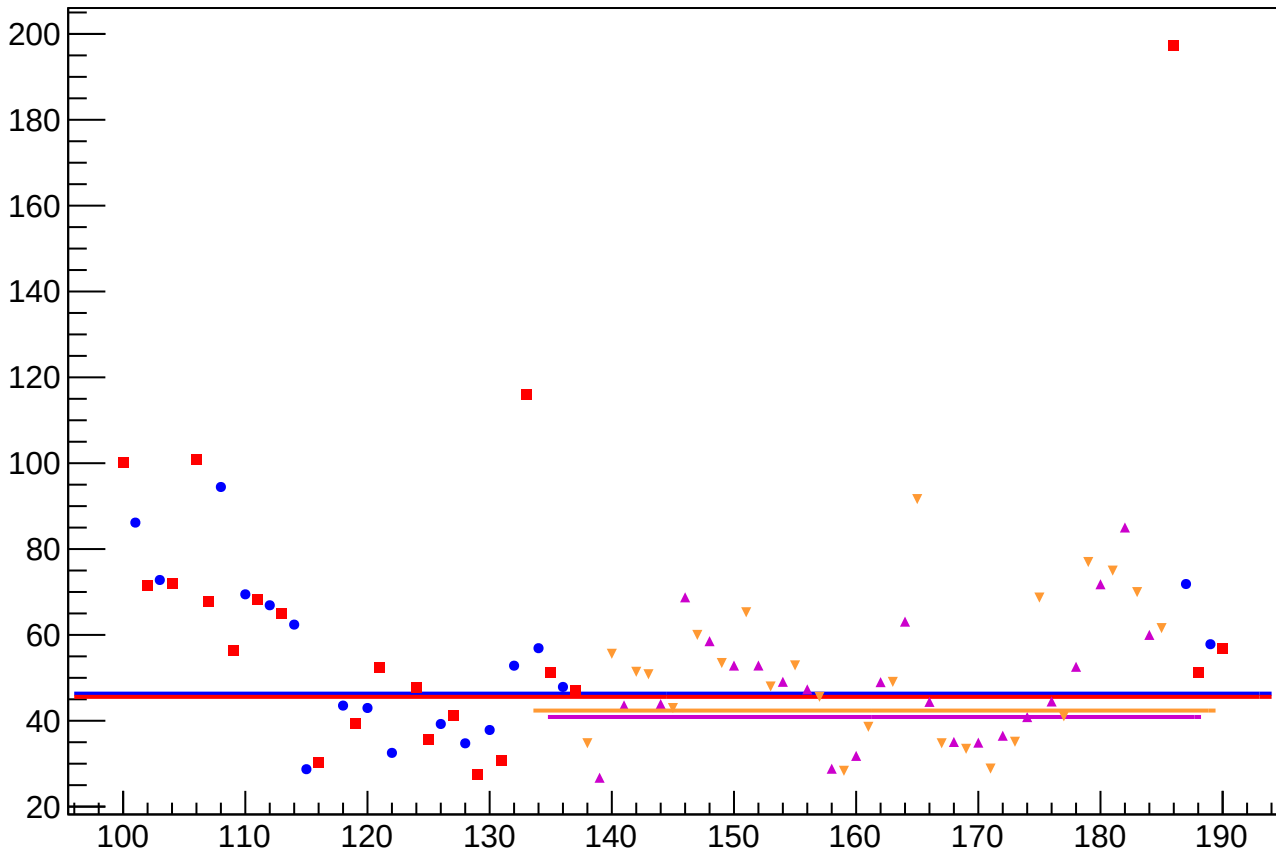
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF: 26.0/22

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 59.6/42

All: 0.010 $\pm$ 0.006 χ^2 /NDF: 109.2/87

- sign 0.003 $\pm$ 0.009 χ^2 /NDF: 48.5/44

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 46.321+/-0.013 χ^2/NDF : 1334942.0/17

Left Out: 42.375+/-0.007 χ^2/NDF : 3190972.5/24

Right Out: 45.569+/-0.012 χ^2/NDF : 2254640.3/21

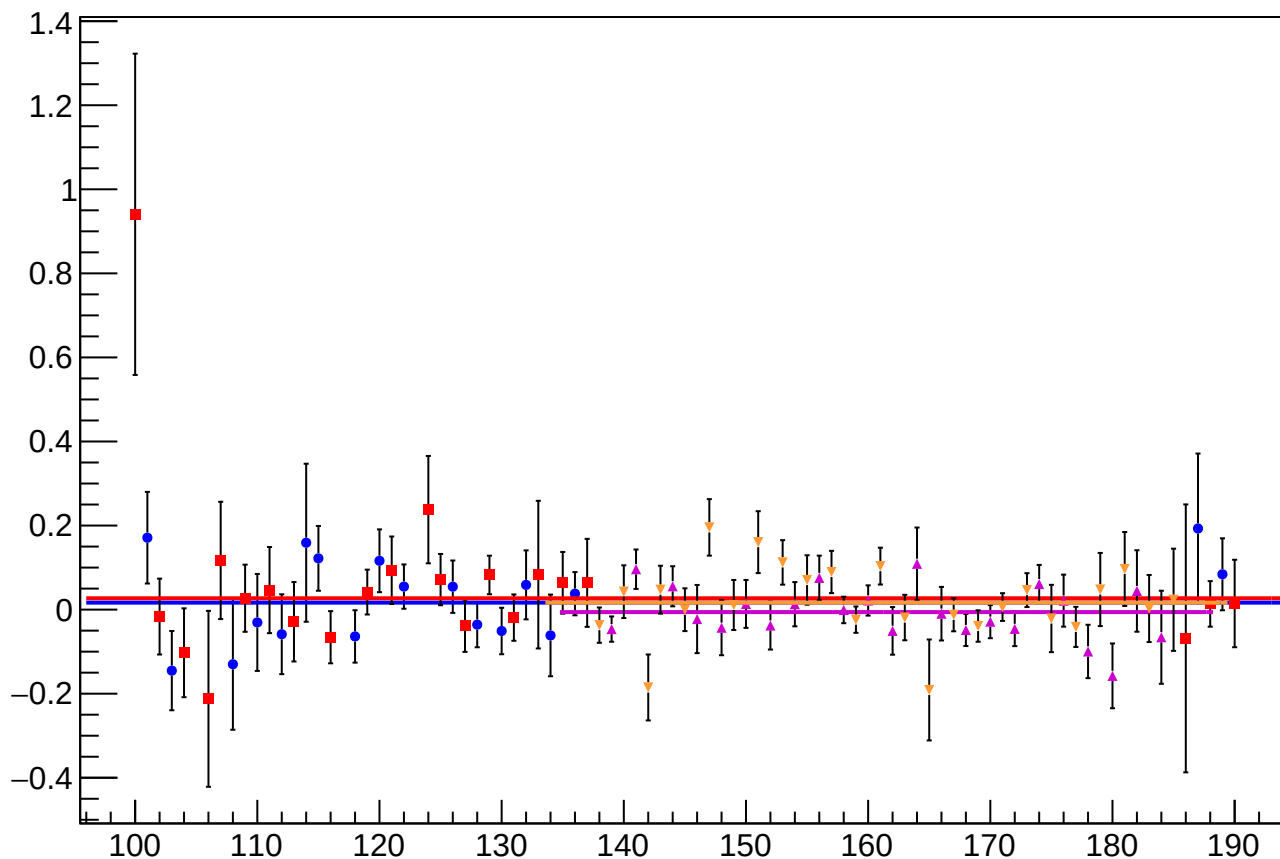
Left In: 40.881+/-0.007 χ^2/NDF : 2678327.2/22

+ sign 43.370+/-0.006 χ^2/NDF : 4599253.7/42

All: 42.755+/-0.004 χ^2/NDF : 9664667.8/87

- sign 42.165+/-0.006 χ^2/NDF : 5046912.2/44

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.018 χ^2 /NDF: 18.5/17

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF: 41.1/24

Right Out: 0.027 $\pm$ 0.017 χ^2 /NDF: 19.7/21

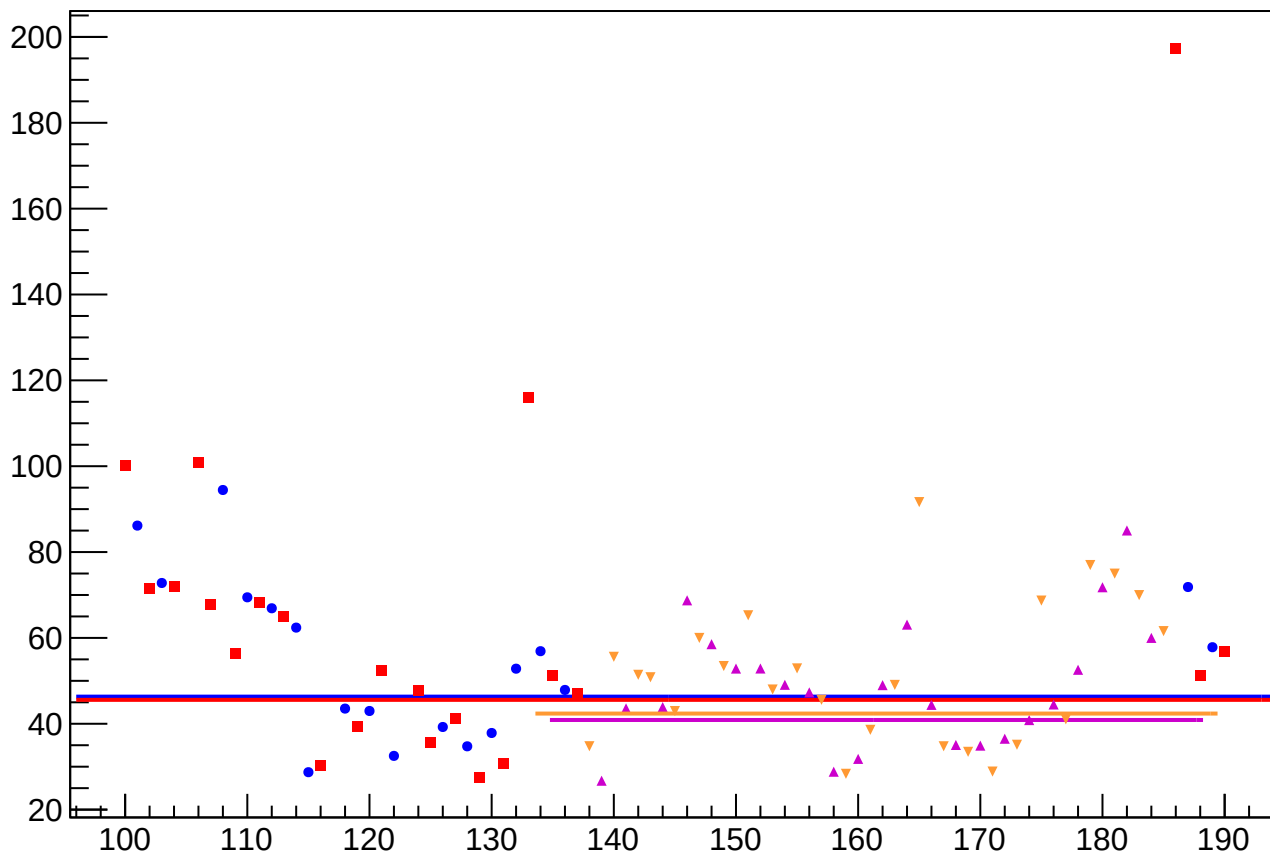
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF: 26.0/22

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 59.6/42

All: 0.010 $\pm$ 0.006 χ^2 /NDF: 109.2/87

- sign 0.003 $\pm$ 0.009 χ^2 /NDF: 48.5/44

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.321 $\pm$ 0.013 χ^2 /NDF: 1334942.0/17

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF: 3190972.5/24

Right Out: 45.569 $\pm$ 0.012 χ^2 /NDF: 2254640.3/21

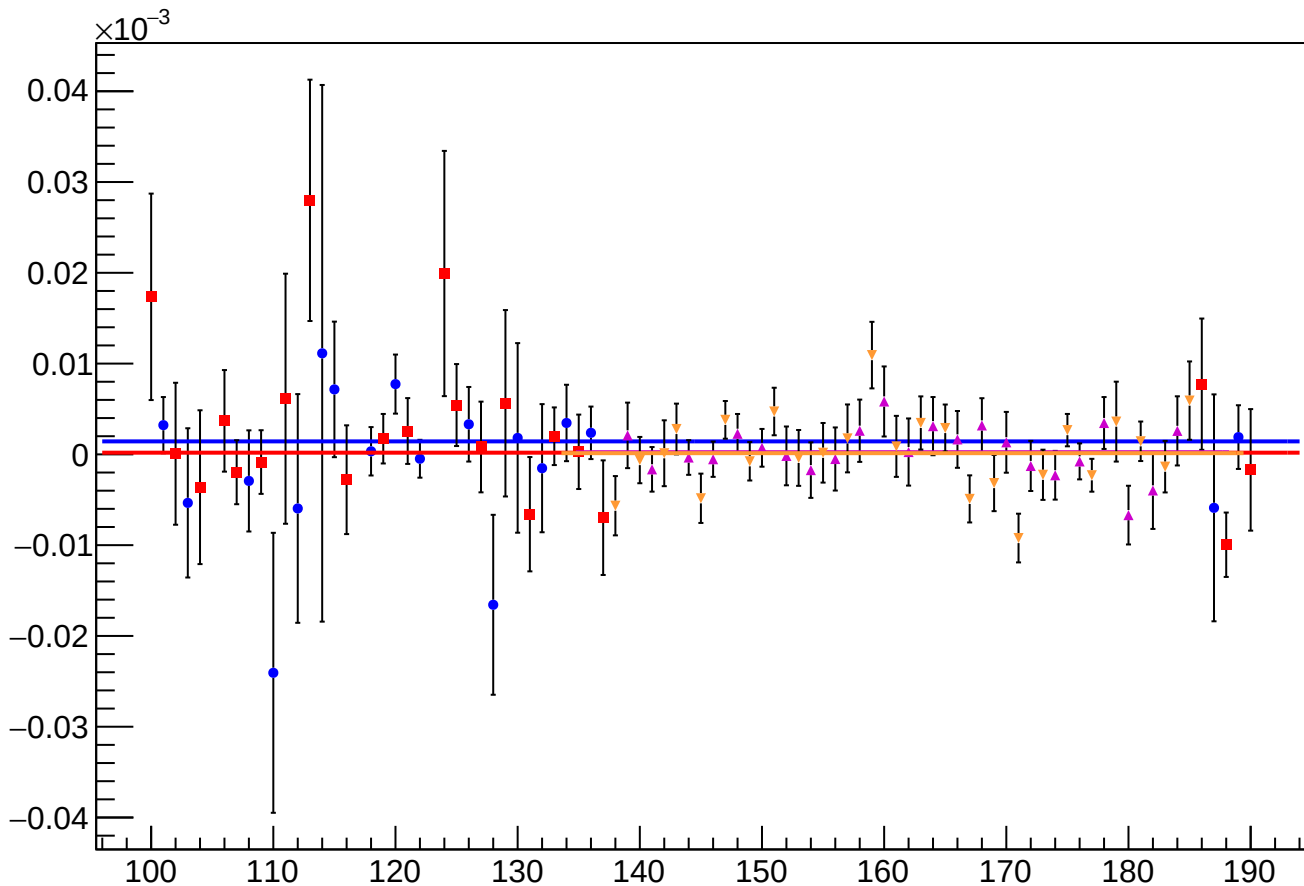
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF: 2678327.2/22

+ sign 43.370 $\pm$ 0.006 χ^2 /NDF: 4599253.7/42

All: 42.755 $\pm$ 0.004 χ^2 /NDF: 9664667.8/87

- sign 42.165 $\pm$ 0.006 χ^2 /NDF: 5046912.2/44

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 49.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.8/21

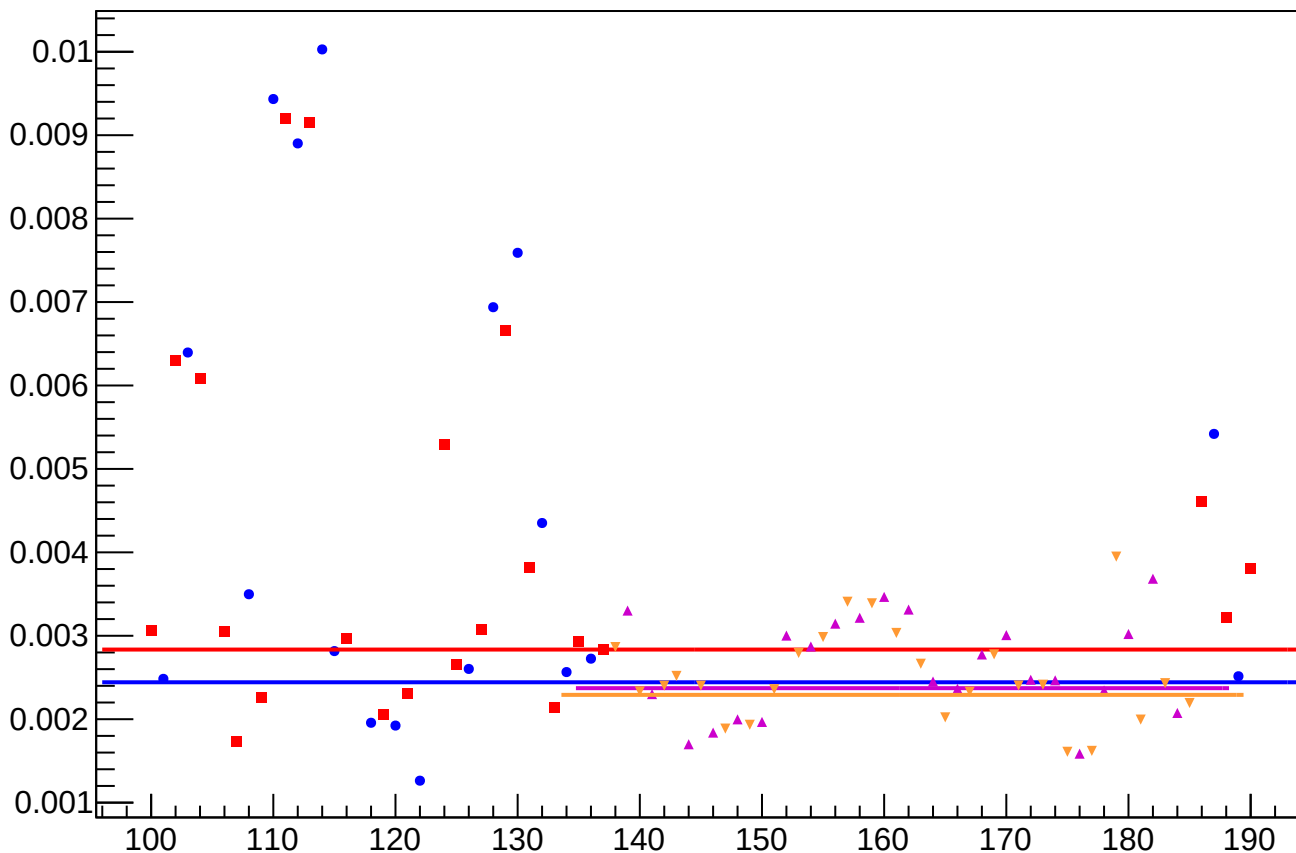
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 15.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 65.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 106.5/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40.6/44

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3547793.0/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1818891.6/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 2709815.7/21

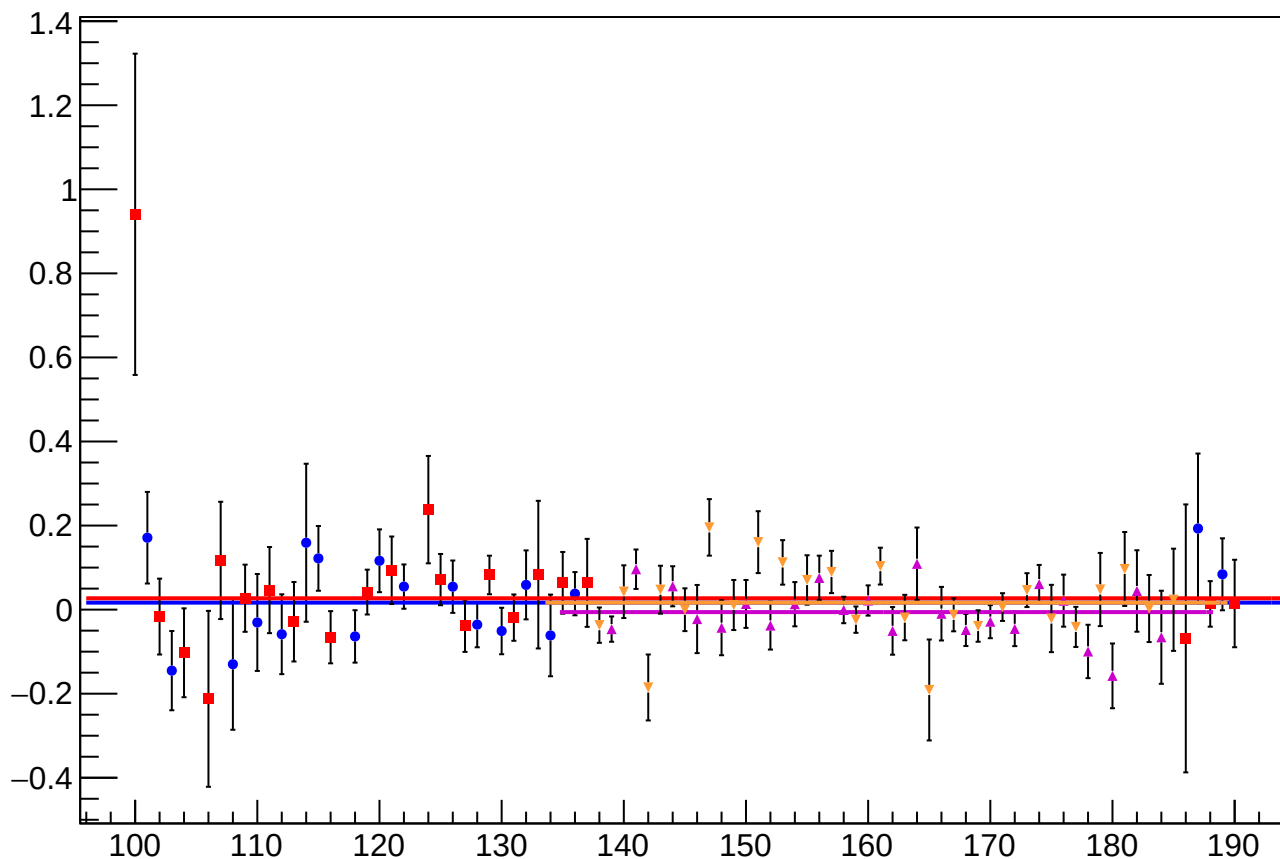
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:2020314.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5402267.7/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 10532552.7/87

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5030620.9/44

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.018 $\chi^2/\text{NDF}: 18.5/17$

Left Out: 0.016 ± 0.010 $\chi^2/\text{NDF}: 41.1/24$

Right Out: 0.027 ± 0.017 $\chi^2/\text{NDF}: 19.7/21$

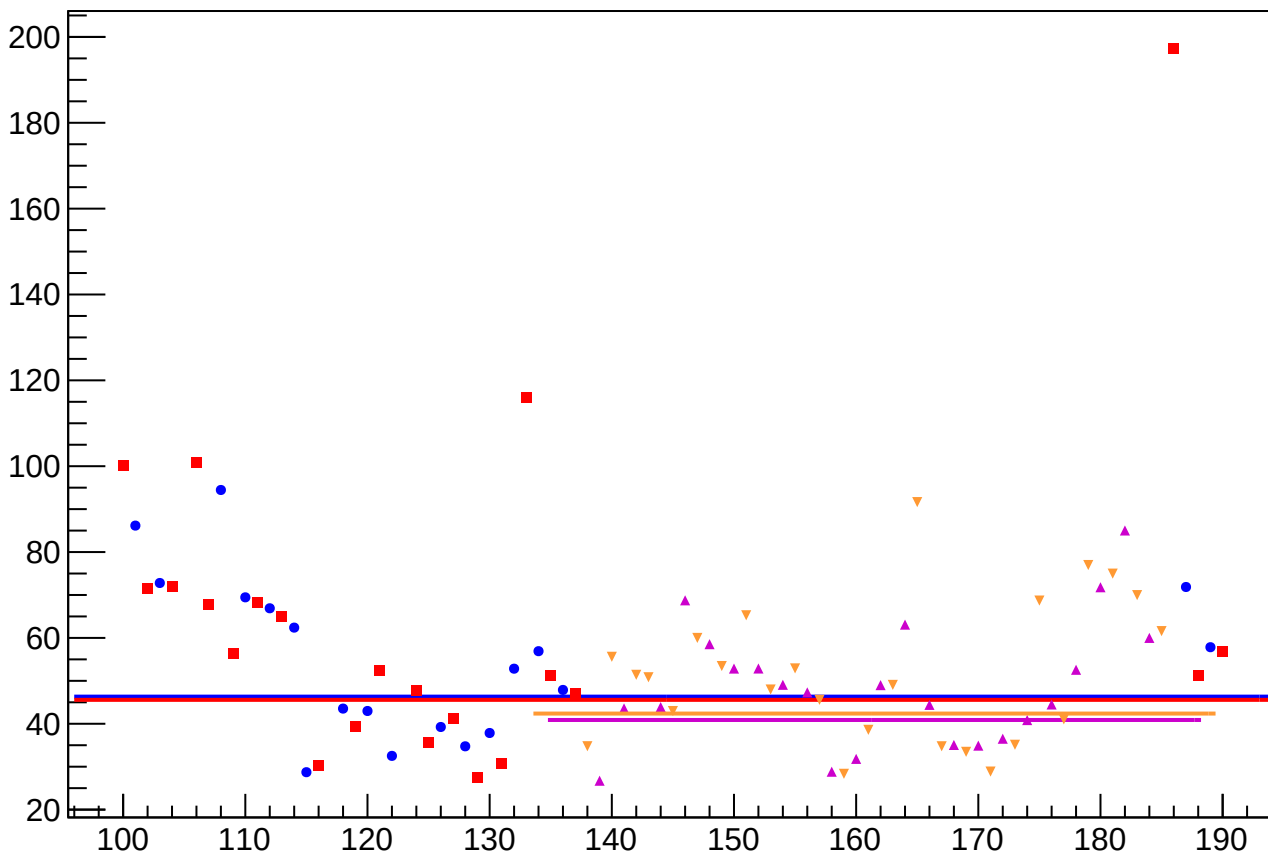
Left In: -0.006 ± 0.010 $\chi^2/\text{NDF}: 26.0/22$

+ sign 0.017 ± 0.009 $\chi^2/\text{NDF}: 59.6/42$

All: 0.010 ± 0.006 $\chi^2/\text{NDF}: 109.2/87$

- sign 0.003 ± 0.009 $\chi^2/\text{NDF}: 48.5/44$

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.321+/-0.013 χ^2/NDF : 1334906.7/17

Left Out: 42.375+/-0.007 χ^2/NDF : 3190999.9/24

Right Out: 45.570+/-0.012 χ^2/NDF : 2254556.8/21

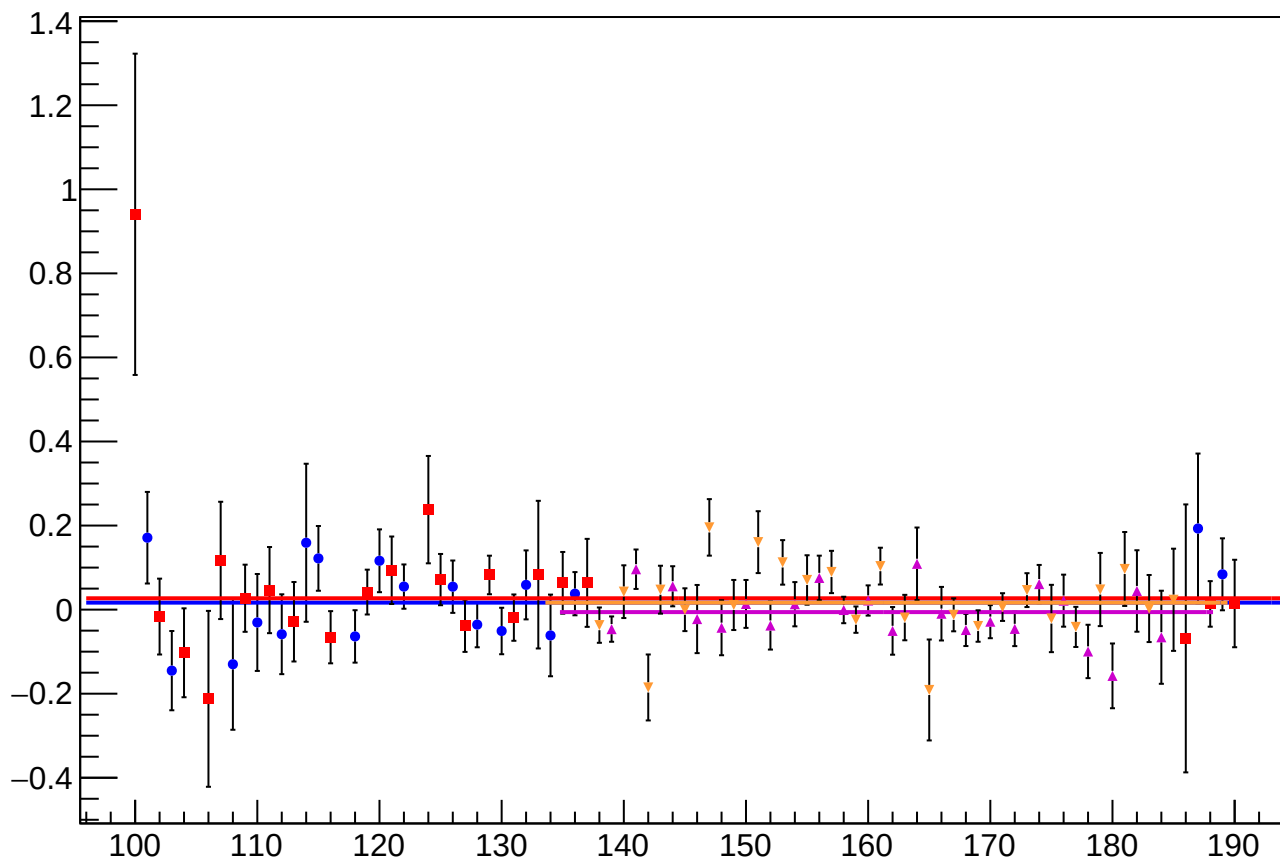
Left In: 40.881+/-0.007 χ^2/NDF : 2678344.3/22

+ sign 43.370+/-0.006 χ^2/NDF : 4599235.5/42

All: 42.755+/-0.004 χ^2/NDF : 9664580.3/87

- sign 42.166+/-0.006 χ^2/NDF : 5046847.0/44

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.018 χ^2 /NDF: 18.5/17

Left Out: 0.016 $\pm$ 0.010 χ^2 /NDF:41.1/24

Right Out: 0.027 $\pm$ 0.017 χ^2 /NDF: 19.7/21

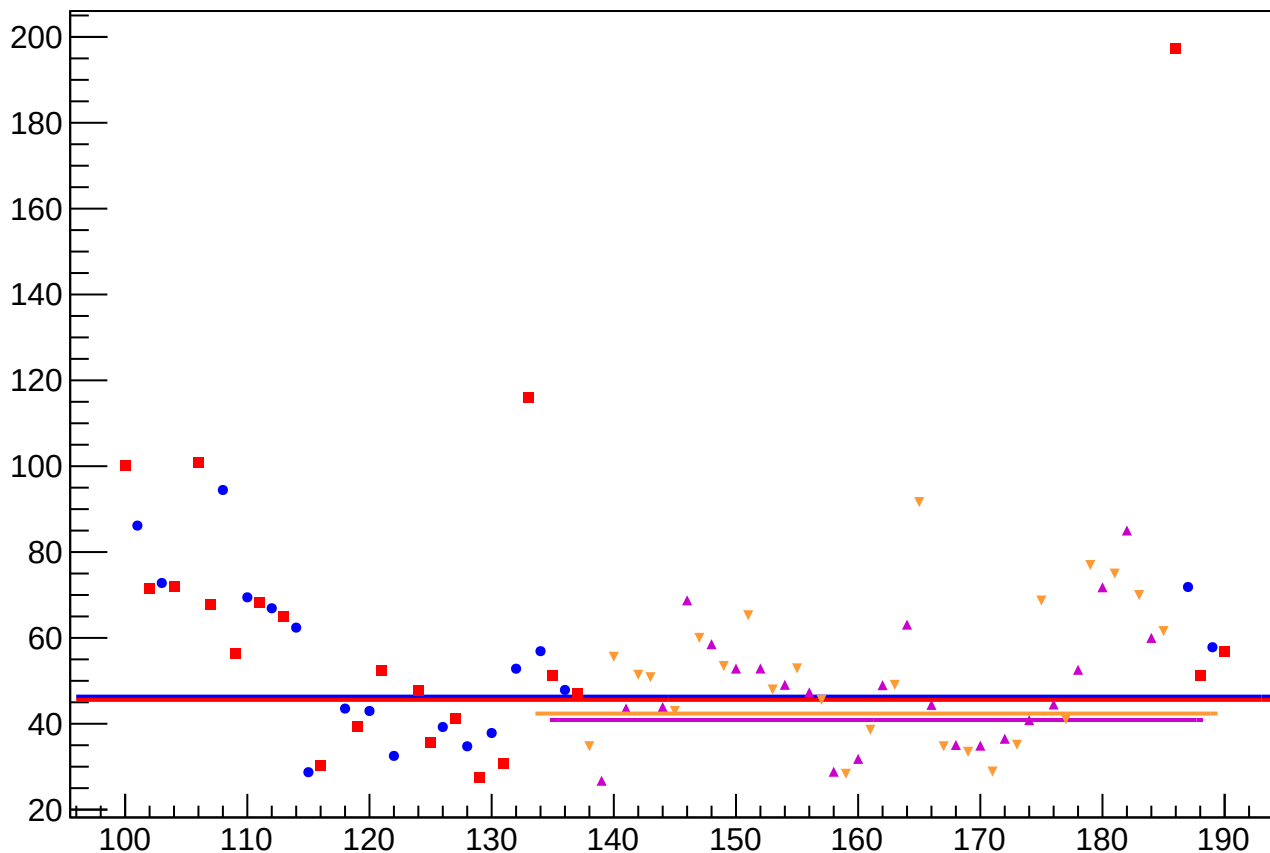
Left In: -0.006 $\pm$ 0.010 χ^2 /NDF:26.0/22

+ sign 0.017 $\pm$ 0.009 χ^2 /NDF: 59.6/42

All: 0.010 $\pm$ 0.006 χ^2 /NDF: 109.2/87

- sign 0.003 $\pm$ 0.009 χ^2 /NDF: 48.5/44

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.321 $\pm$ 0.013 χ^2 /NDF: 1334906.7/17

Left Out: 42.375 $\pm$ 0.007 χ^2 /NDF: 3190999.9/24

Right Out: 45.570 $\pm$ 0.012 χ^2 /NDF: 2254556.8/21

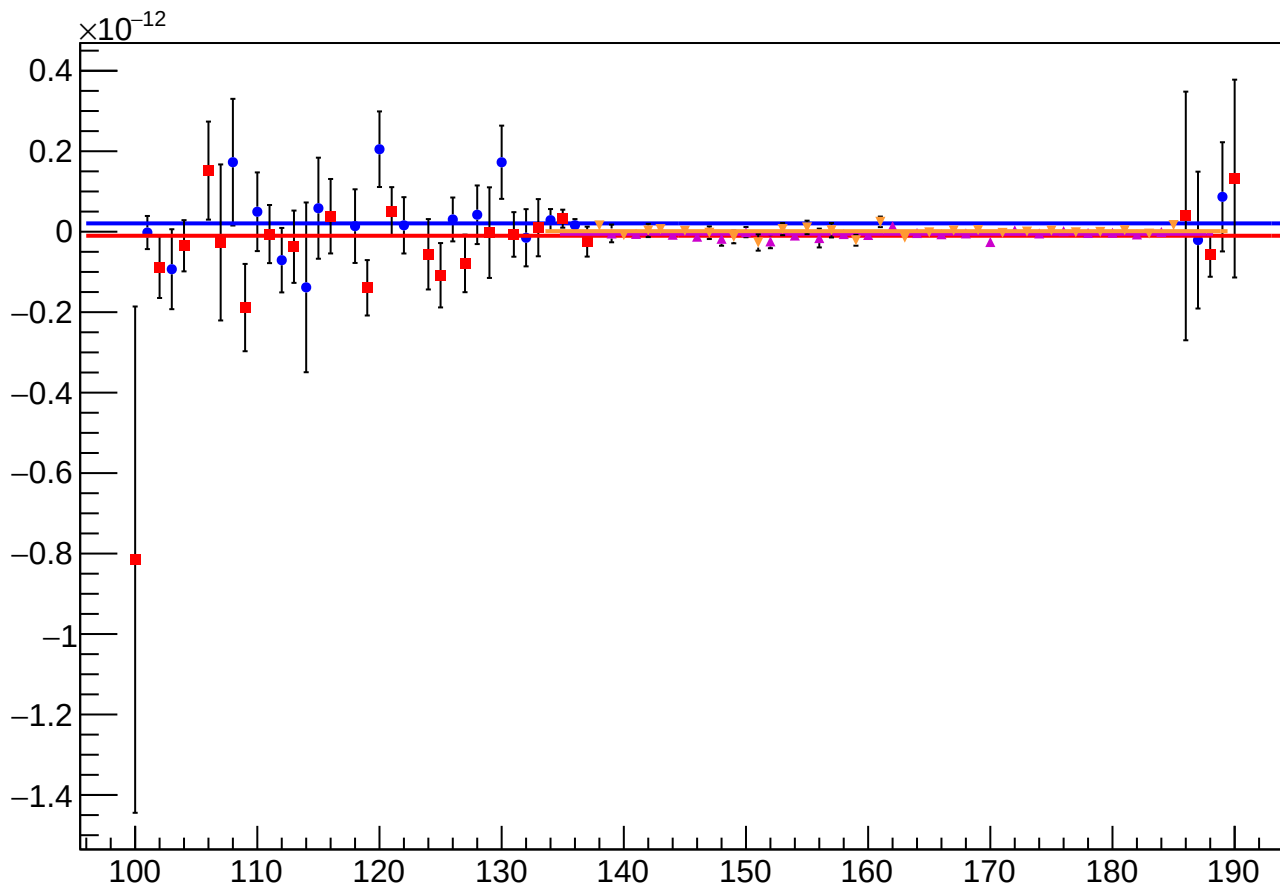
Left In: 40.881 $\pm$ 0.007 χ^2 /NDF: 2678344.3/22

+ sign 43.370 $\pm$ 0.006 χ^2 /NDF: 4599235.5/42

All: 42.755 $\pm$ 0.004 χ^2 /NDF: 9664580.3/87

- sign 42.166 $\pm$ 0.006 χ^2 /NDF: 5046847.0/44

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 19.7/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.9/21

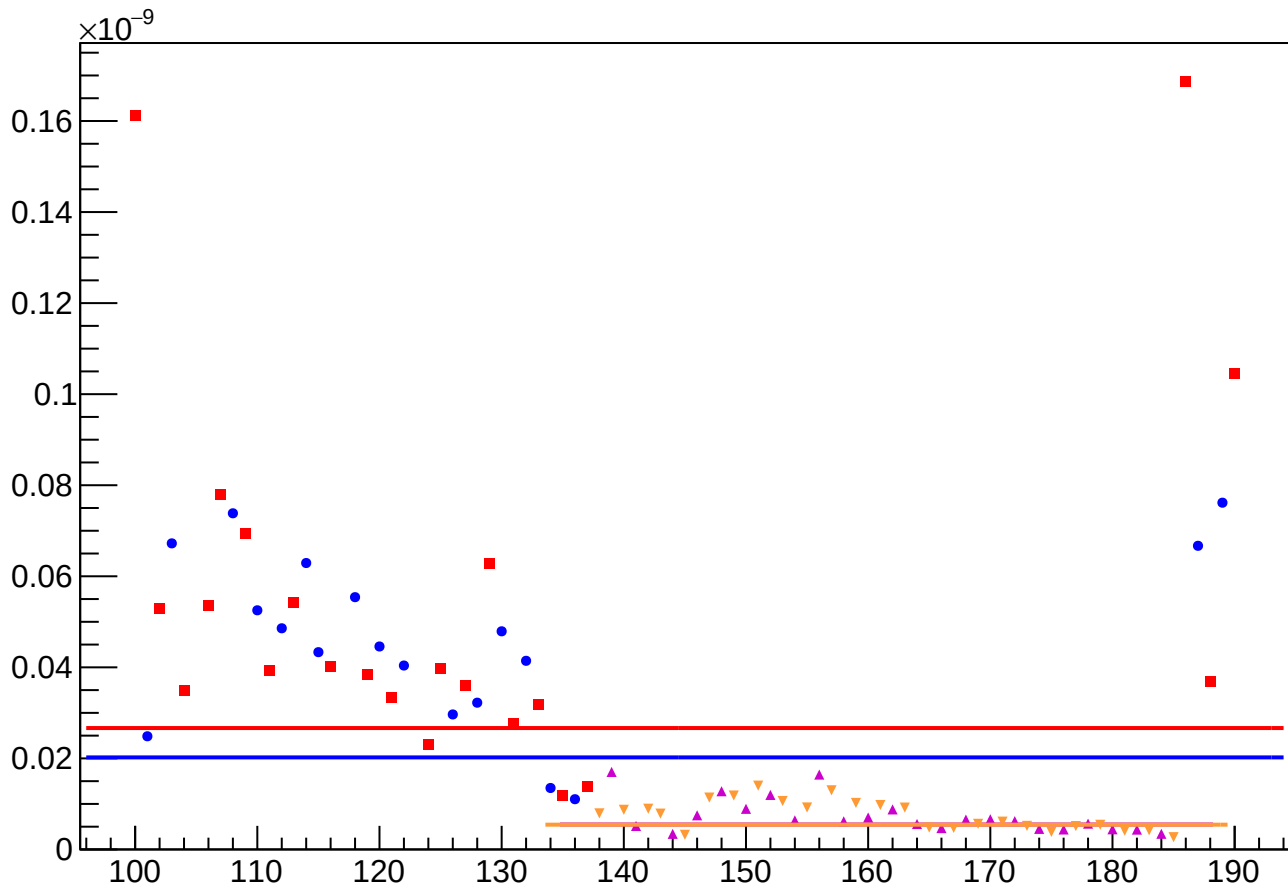
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 13.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34.7/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 76.1/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 33.2/44

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3735790.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:3789045.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3408215.2/21

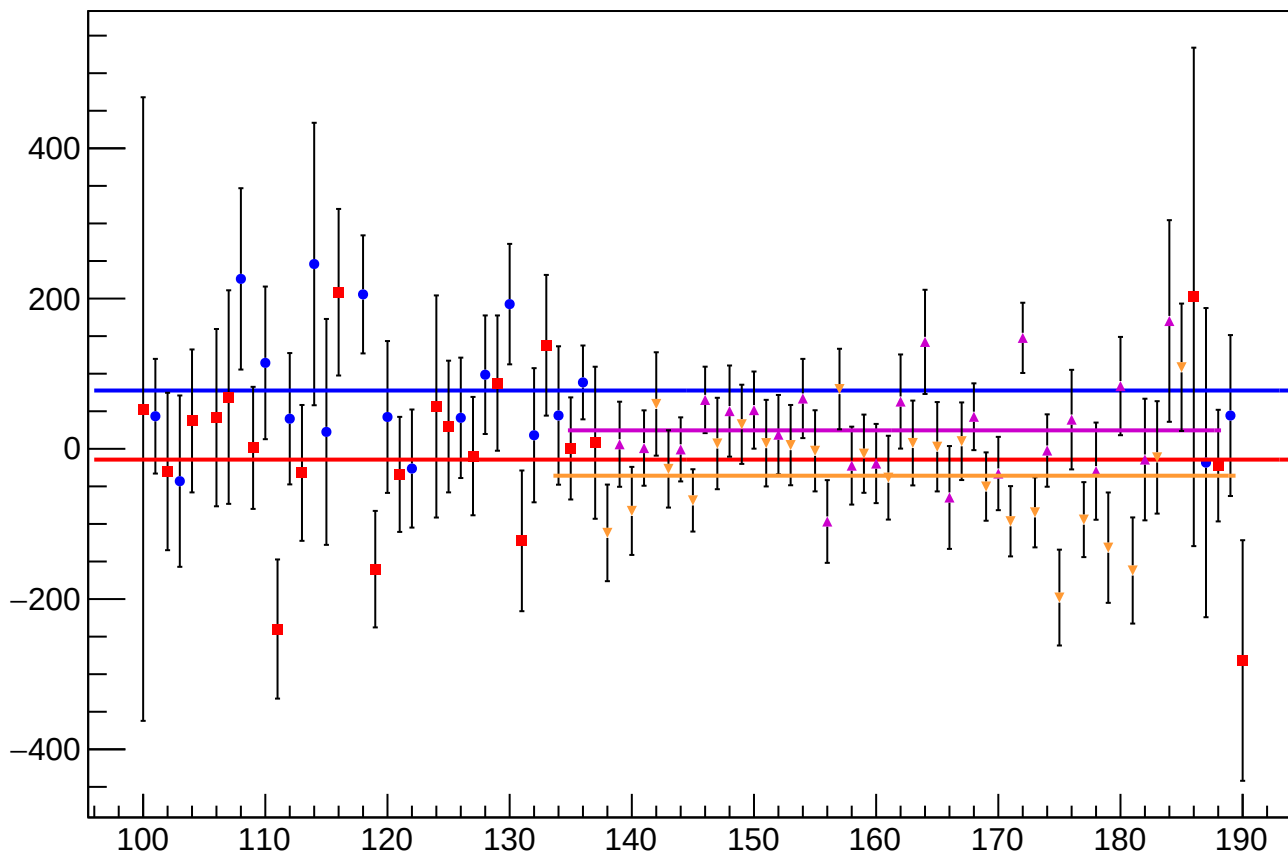
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2801443.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10973334.6/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 22195700.8/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11221086.5/44

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 77.609 $\pm$ 20.946 χ^2/NDF : 11.9/17

Left Out: -35.787 $\pm$ 11.119 χ^2/NDF :33.7/24

Right Out: -14.361 $\pm$ 20.545 χ^2/NDF : 23.6/21

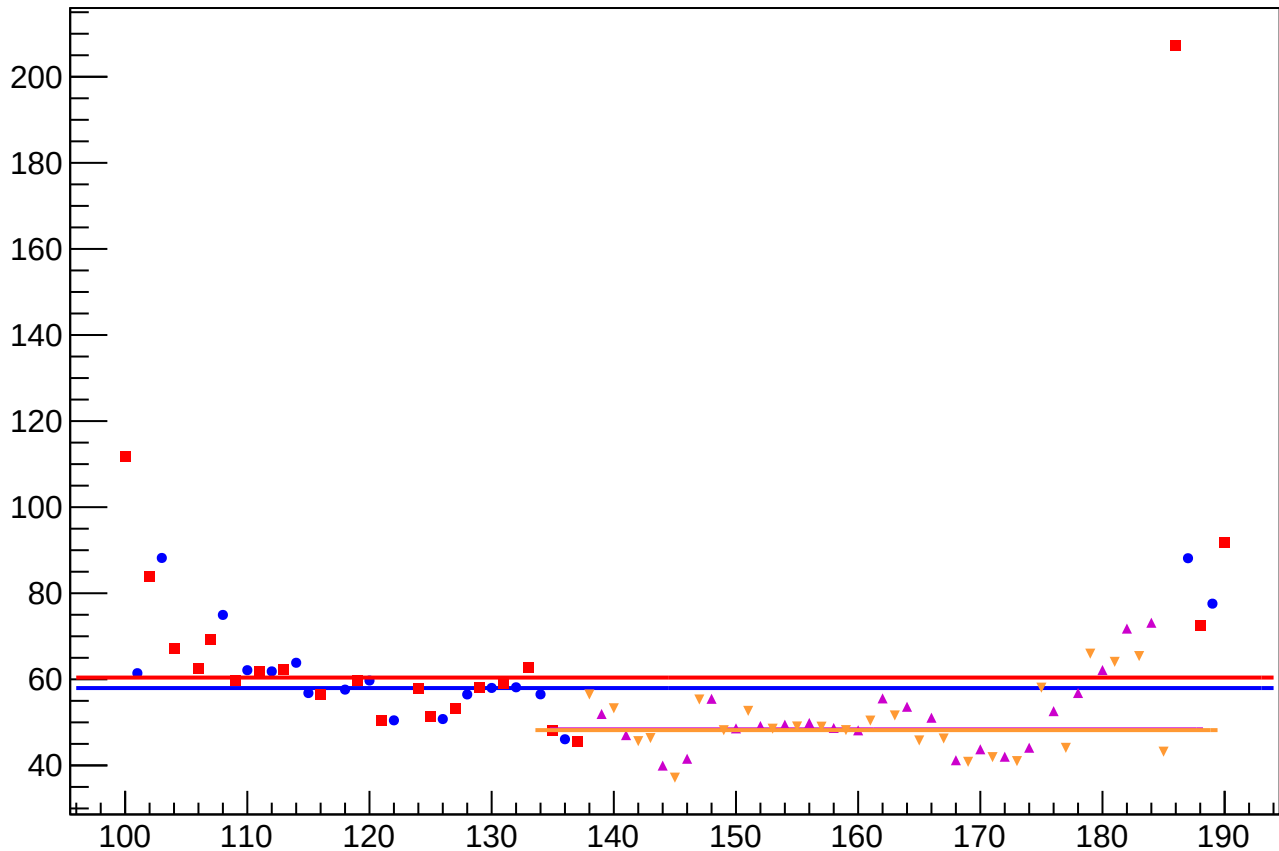
Left In: 24.572 $\pm$ 11.471 χ^2/NDF :25.7/22

+ sign -10.856 $\pm$ -9.821 χ^2/NDF : 68.4/42

All: 1.975 $\pm$ -7.012 χ^2/NDF : 124.0/87

- sign 15.319 $\pm$ -10.016 χ^2/NDF : 52.1/44

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 57.971 $\pm$ 0.015 χ^2 /NDF: 457039.7/17

Left Out: 48.198 $\pm$ 0.008 χ^2 /NDF: 780285.2/24

Right Out: 60.410 $\pm$ 0.015 χ^2 /NDF: 858422.0/21

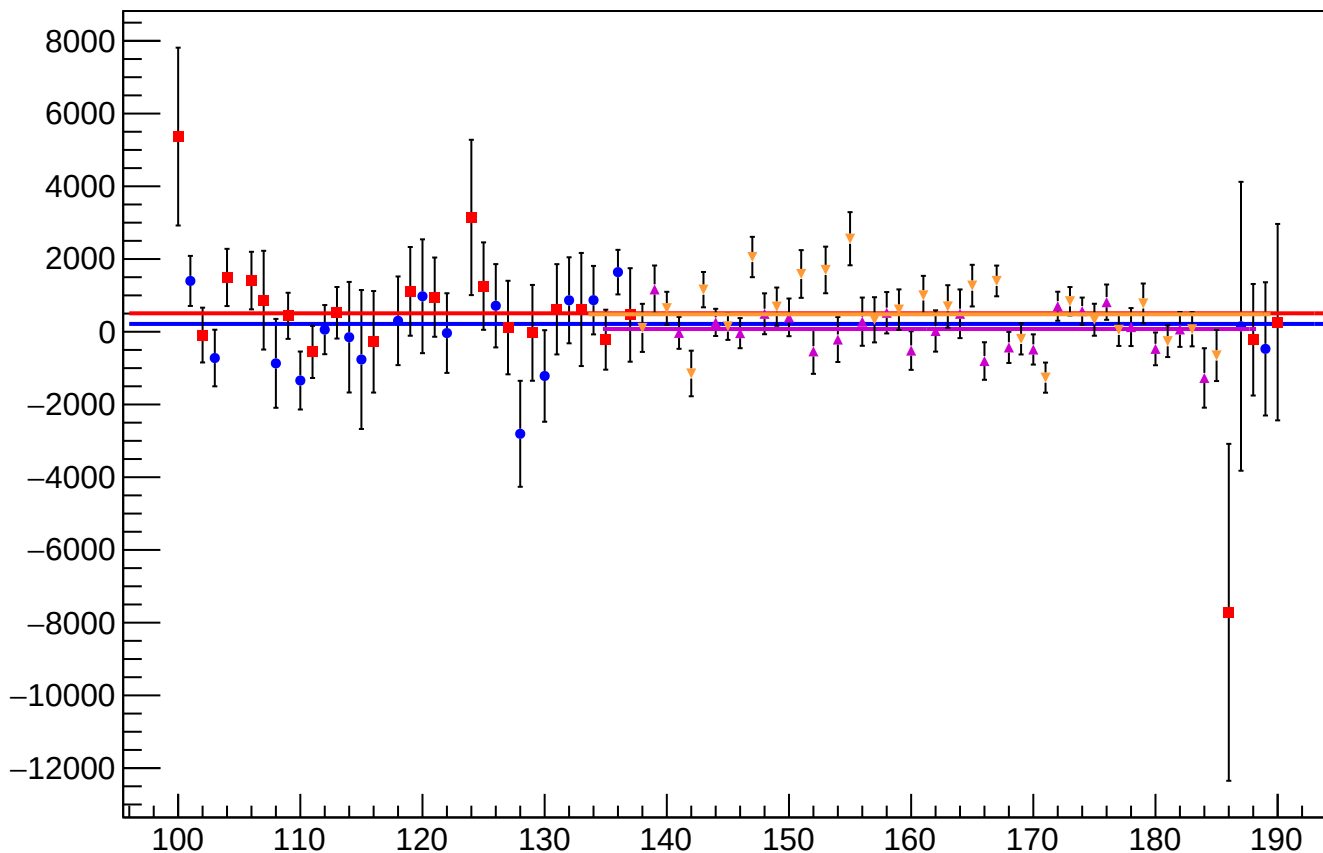
Left In: 48.381 $\pm$ 0.008 χ^2 /NDF: 695381.8/22

+ sign 50.347 $\pm$ 0.007 χ^2 /NDF: 1576969.6/42

All: 50.784 $\pm$ 0.005 χ^2 /NDF: 3661577.6/87

- sign 51.239 $\pm$ 0.007 χ^2 /NDF: 2076509.9/44

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 215.371 $\pm$ 238.728 χ^2/NDF : 21.8/17

Left Out: 480.215 $\pm$ 100.526 χ^2/NDF : 69.2/24

Right Out: 507.300 $\pm$ 223.753 χ^2/NDF : 16.8/21

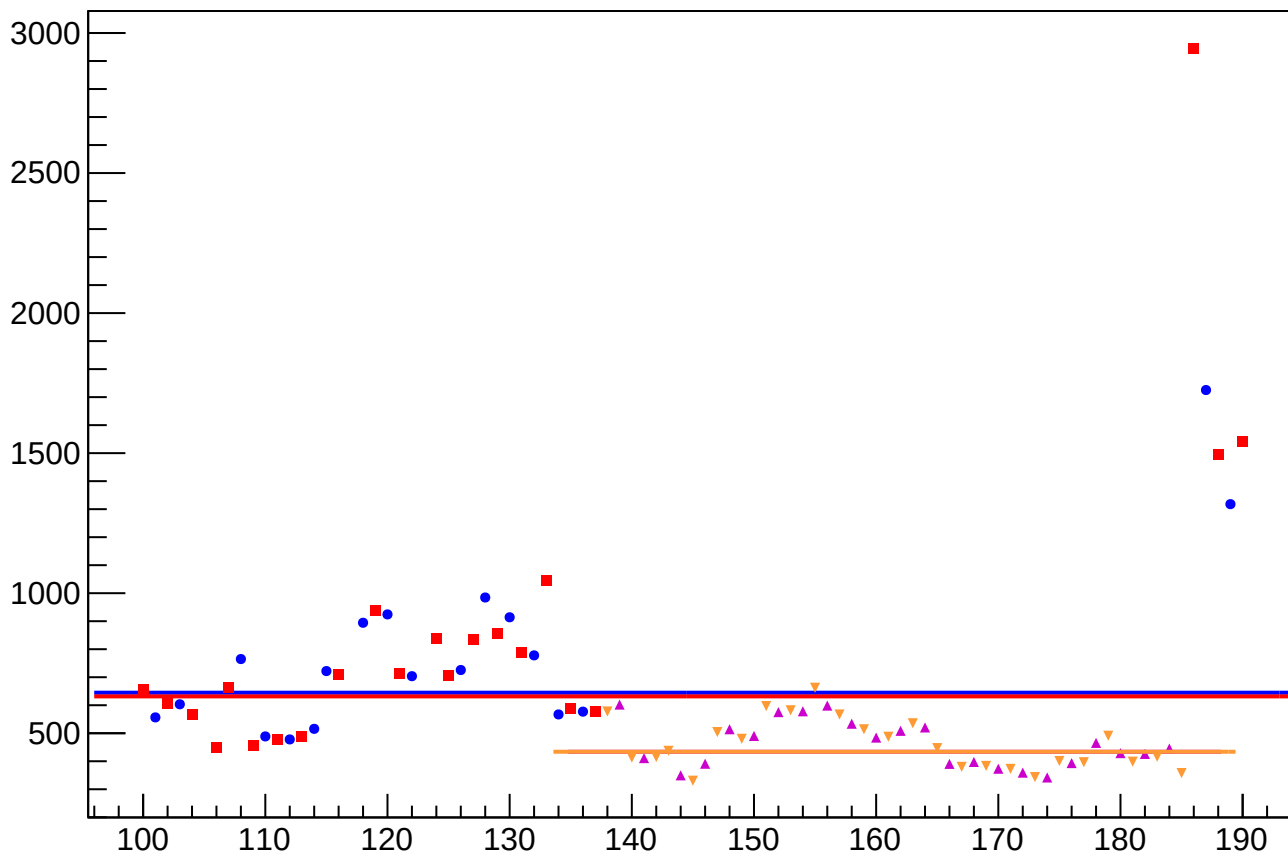
Left In: 75.662 $\pm$ 103.128 χ^2/NDF : 24.5/22

+ sign 440.327 $\pm$ 92.647 χ^2/NDF : 92.0/42

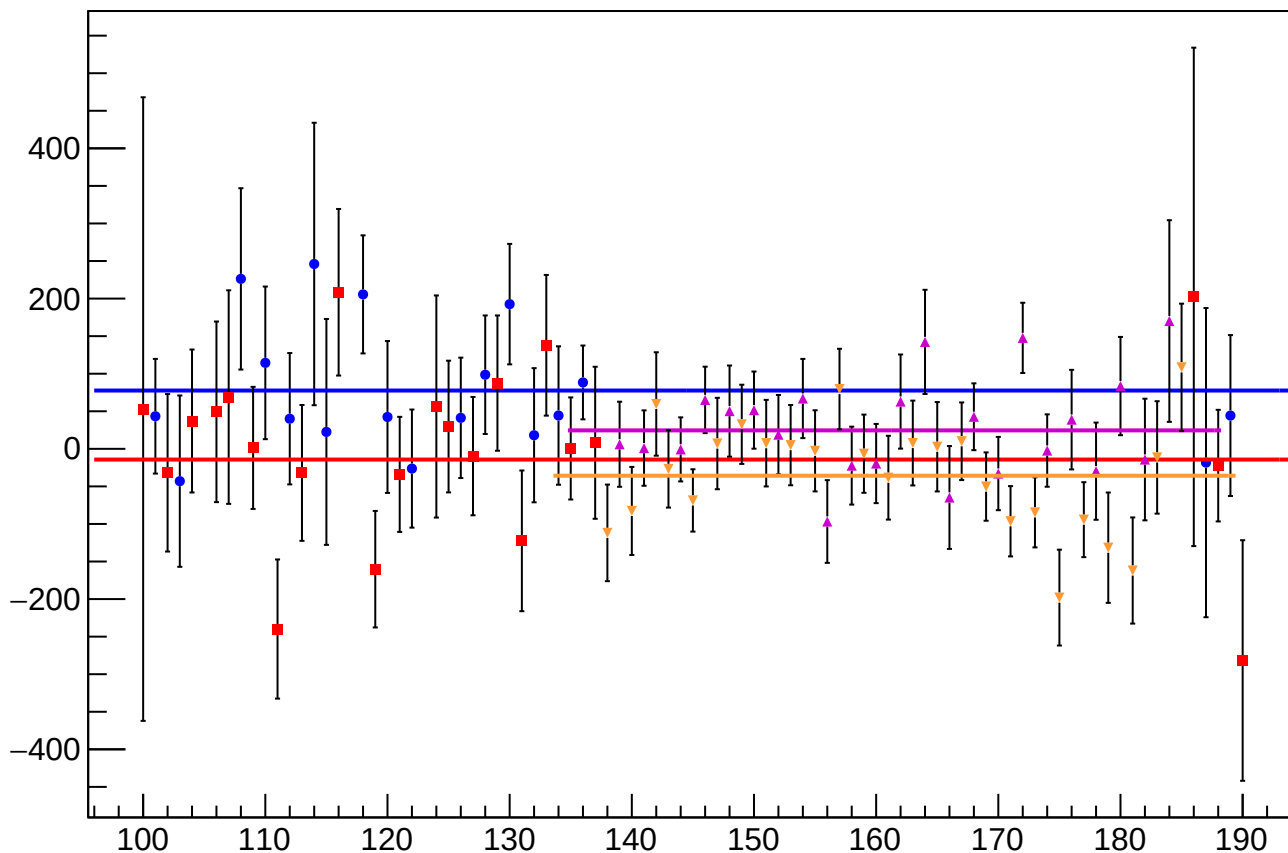
All: 297.379 $\pm$ 65.866 χ^2/NDF : 141.2/87

- sign 151.290 $\pm$ 93.659 χ^2/NDF : 44.3/44

asym_sam_15_48_dd_reg_correction_rms vs Slug



cor_asym_sam_15_48_dd_mean vs Slug



Right In: 77.613 ± 20.946 $\chi^2/\text{NDF}: 11.9/17$

Left Out: -35.792 ± 11.119 $\chi^2/\text{NDF}: 33.7/24$

Right Out: -14.266 ± 20.556 $\chi^2/\text{NDF}: 23.7/21$

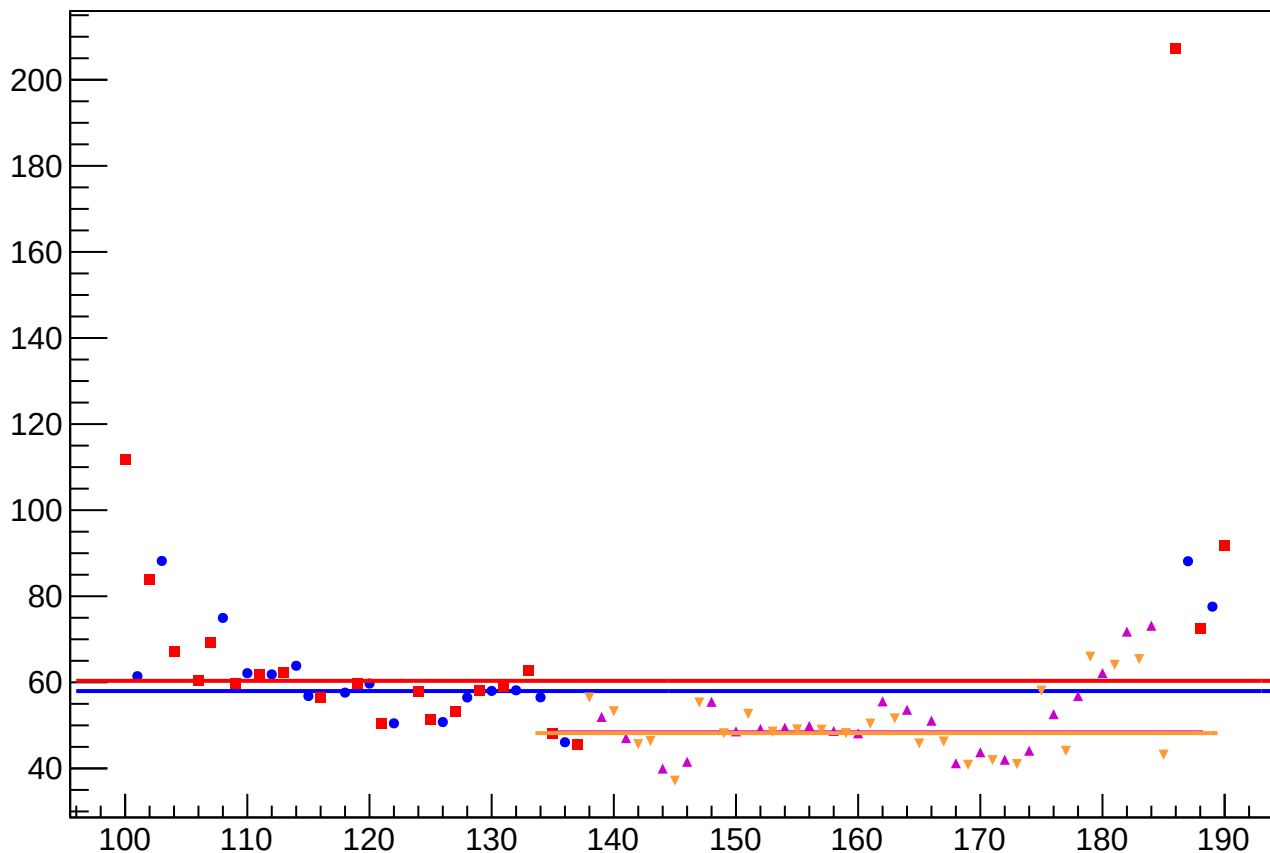
Left In: 24.573 ± 11.471 $\chi^2/\text{NDF}: 25.7/22$

+ sign -10.860 ± 9.821 $\chi^2/\text{NDF}: 68.4/42$

All: 1.987 ± 7.013 $\chi^2/\text{NDF}: 124.1/87$

- sign 15.350 ± 10.017 $\chi^2/\text{NDF}: 52.1/44$

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 57.971 $\pm$ 0.015 χ^2 /NDF: 457043.3/17

Left Out: 48.198 $\pm$ 0.008 χ^2 /NDF: 780285.2/24

Right Out: 60.348 $\pm$ 0.015 χ^2 /NDF: 858023.9/21

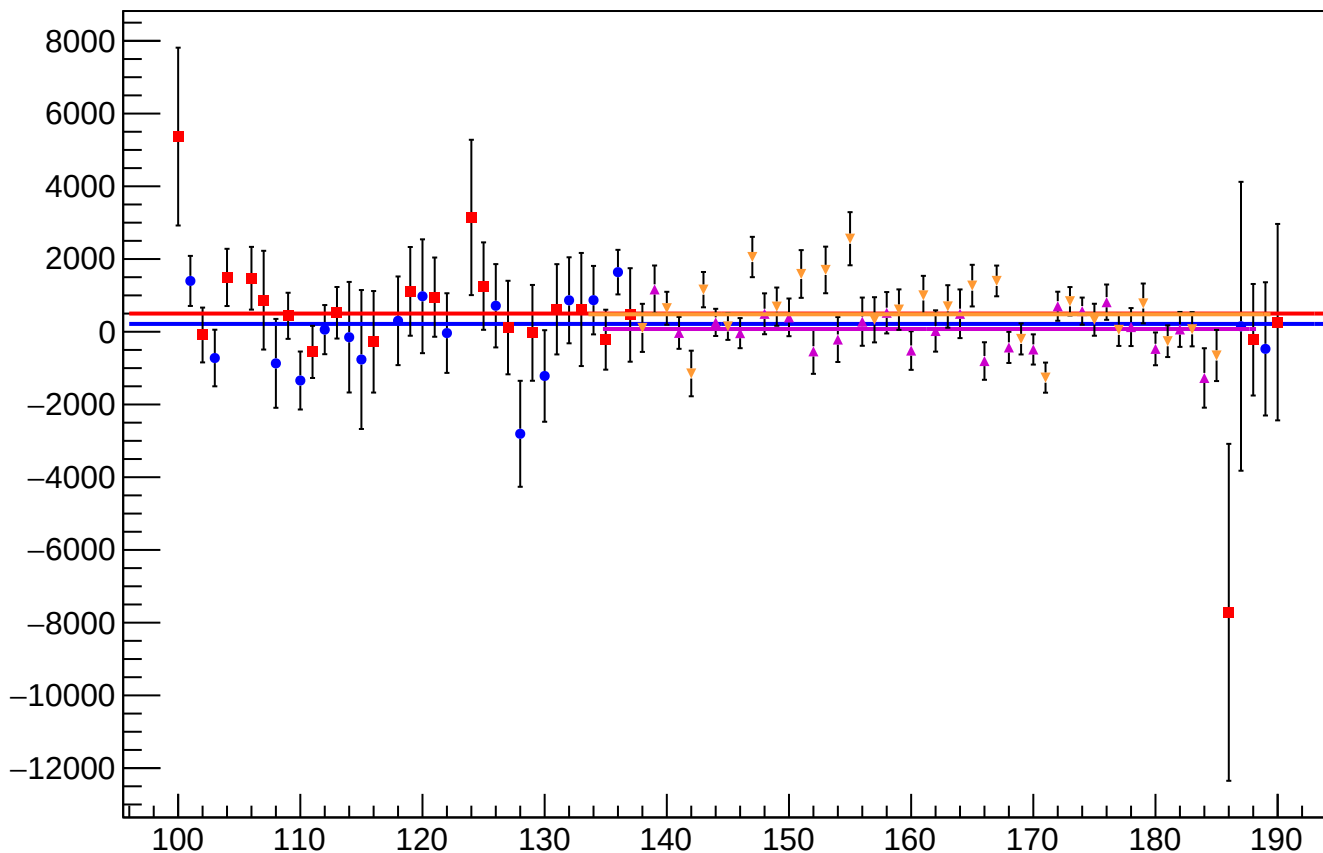
Left In: 48.381 $\pm$ 0.008 χ^2 /NDF: 695381.8/22

+ sign 50.347 $\pm$ 0.007 χ^2 /NDF: 1576973.6/42

All: 50.776 $\pm$ 0.005 χ^2 /NDF: 3655111.7/87

- sign 51.222 $\pm$ 0.007 χ^2 /NDF: 2070347.2/44

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 215.407 ± 238.730 χ^2/NDF : 21.8/17

Left Out: 480.210 ± 100.526 χ^2/NDF : 69.2/24

Right Out: 500.368 ± 225.195 χ^2/NDF : 16.7/21

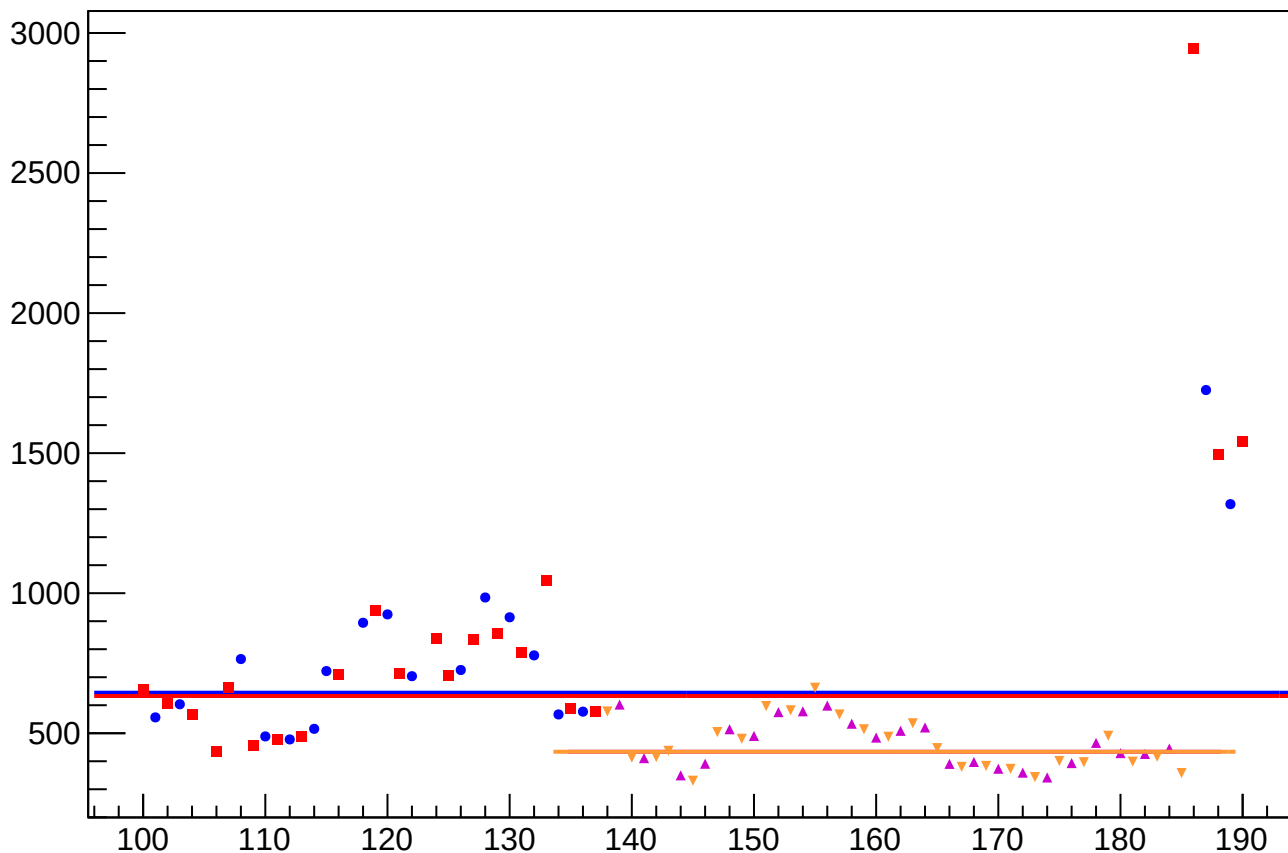
Left In: 75.665 ± 103.128 χ^2/NDF : 24.5/22

+ sign 440.329 ± 92.647 χ^2/NDF : 92.0/42

All: 296.555 ± 65.903 χ^2/NDF : 141.1/87

- sign 149.292 ± 93.764 χ^2/NDF : 44.1/44

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 644.757 ± 0.169 $\chi^2/\text{NDF}: 1119169.7/17$

Left Out: 433.945 ± 0.071 $\chi^2/\text{NDF}: 1243702.1/24$

Right Out: 633.040 ± 0.159 $\chi^2/\text{NDF}: 2266894.2/21$

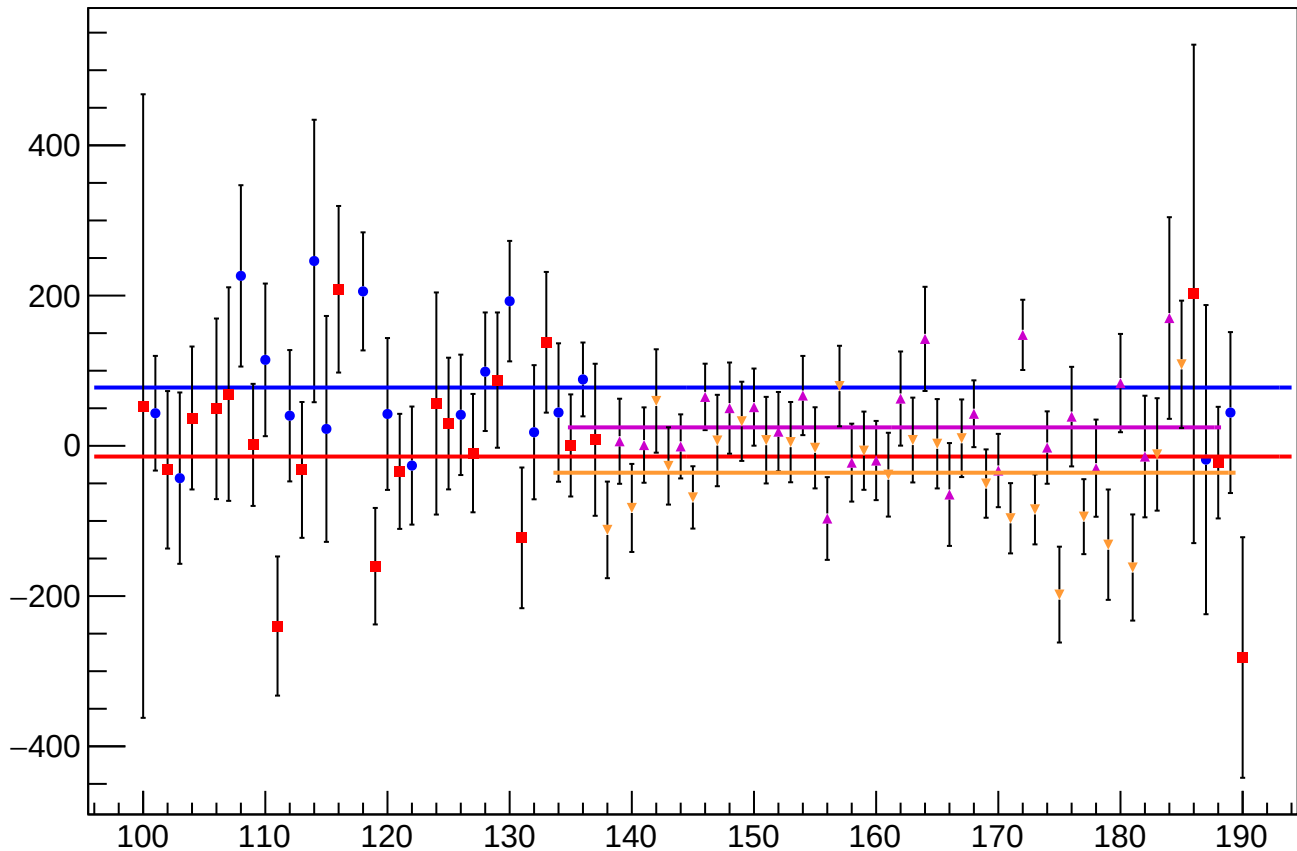
Left In: 433.722 ± 0.073 $\chi^2/\text{NDF}: 1094788.4/22$

+ sign 465.695 ± 0.066 $\chi^2/\text{NDF}: 3687559.6/42$

All: 466.970 ± 0.047 $\chi^2/\text{NDF}: 8345161.2/87$

- sign 468.276 ± 0.066 $\chi^2/\text{NDF}: 4656834.8/44$

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 77.613 ± 20.946 $\chi^2/\text{NDF}: 11.9/17$

Left Out: -35.792 ± 11.119 $\chi^2/\text{NDF}: 33.7/24$

Right Out: -14.266 ± 20.556 $\chi^2/\text{NDF}: 23.7/21$

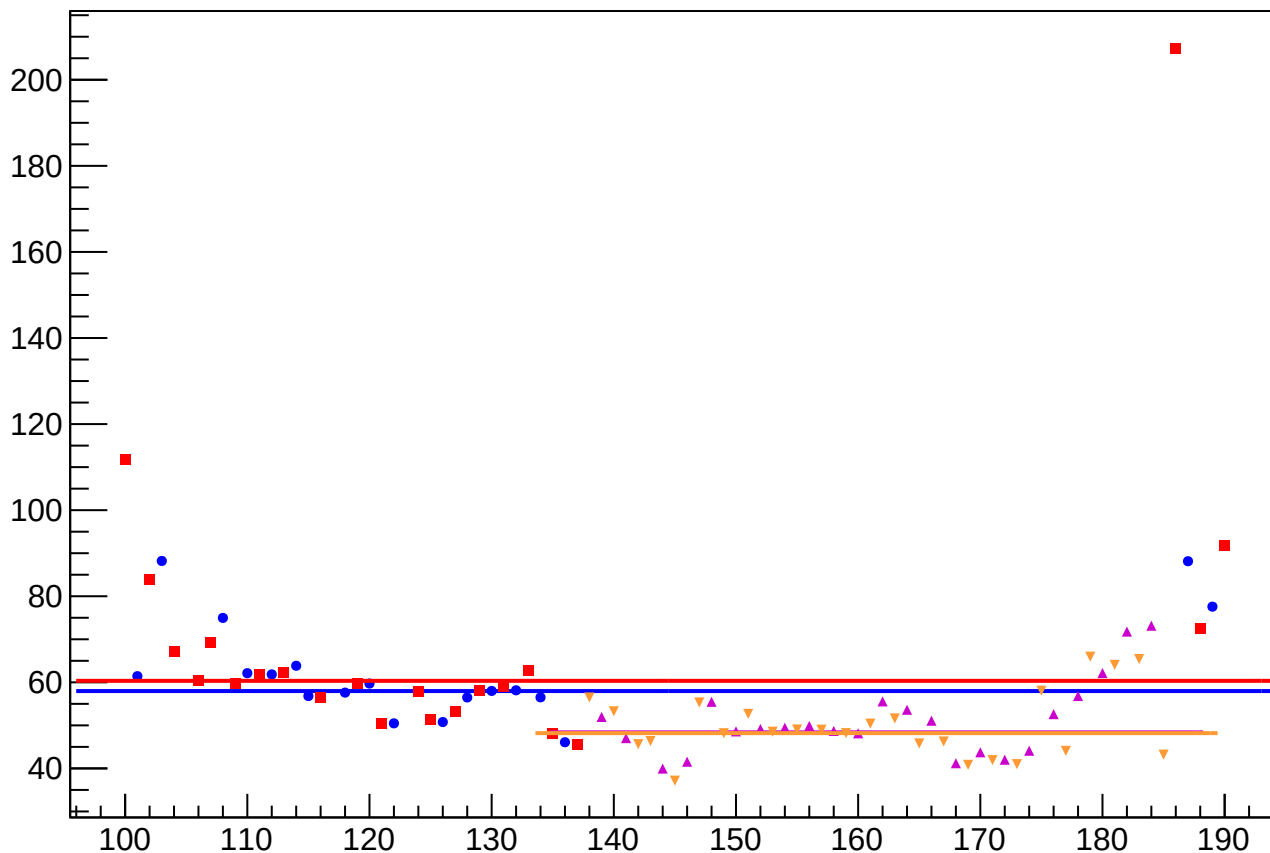
Left In: 24.573 ± 11.471 $\chi^2/\text{NDF}: 25.7/22$

+ sign -10.860 ± 9.821 $\chi^2/\text{NDF}: 68.4/42$

All: 1.987 ± 7.013 $\chi^2/\text{NDF}: 124.1/87$

- sign 15.350 ± 10.017 $\chi^2/\text{NDF}: 52.1/44$

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 57.971 $\pm$ 0.015 χ^2 /NDF: 457043.3/17

Left Out: 48.198 $\pm$ 0.008 χ^2 /NDF: 780285.2/24

Right Out: 60.348 $\pm$ 0.015 χ^2 /NDF: 858023.9/21

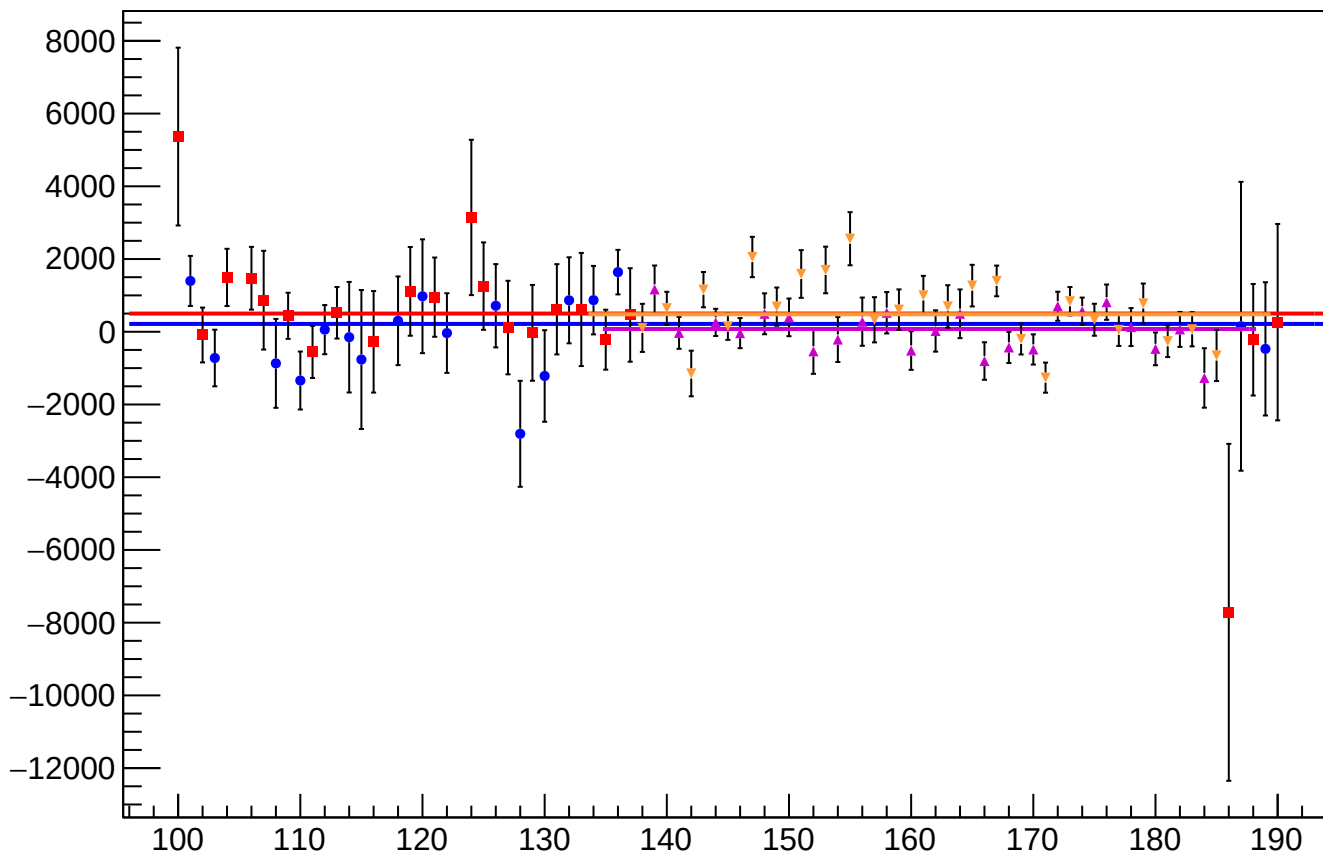
Left In: 48.381 $\pm$ 0.008 χ^2 /NDF: 695381.8/22

+ sign 50.347 $\pm$ 0.007 χ^2 /NDF: 1576973.6/42

All: 50.776 $\pm$ 0.005 χ^2 /NDF: 3655111.7/87

- sign 51.222 $\pm$ 0.007 χ^2 /NDF: 2070347.2/44

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 215.407 ± 238.730 χ^2/NDF : 21.8/17

Left Out: 480.210 ± 100.526 χ^2/NDF : 69.2/24

Right Out: 500.368 ± 225.195 χ^2/NDF : 16.7/21

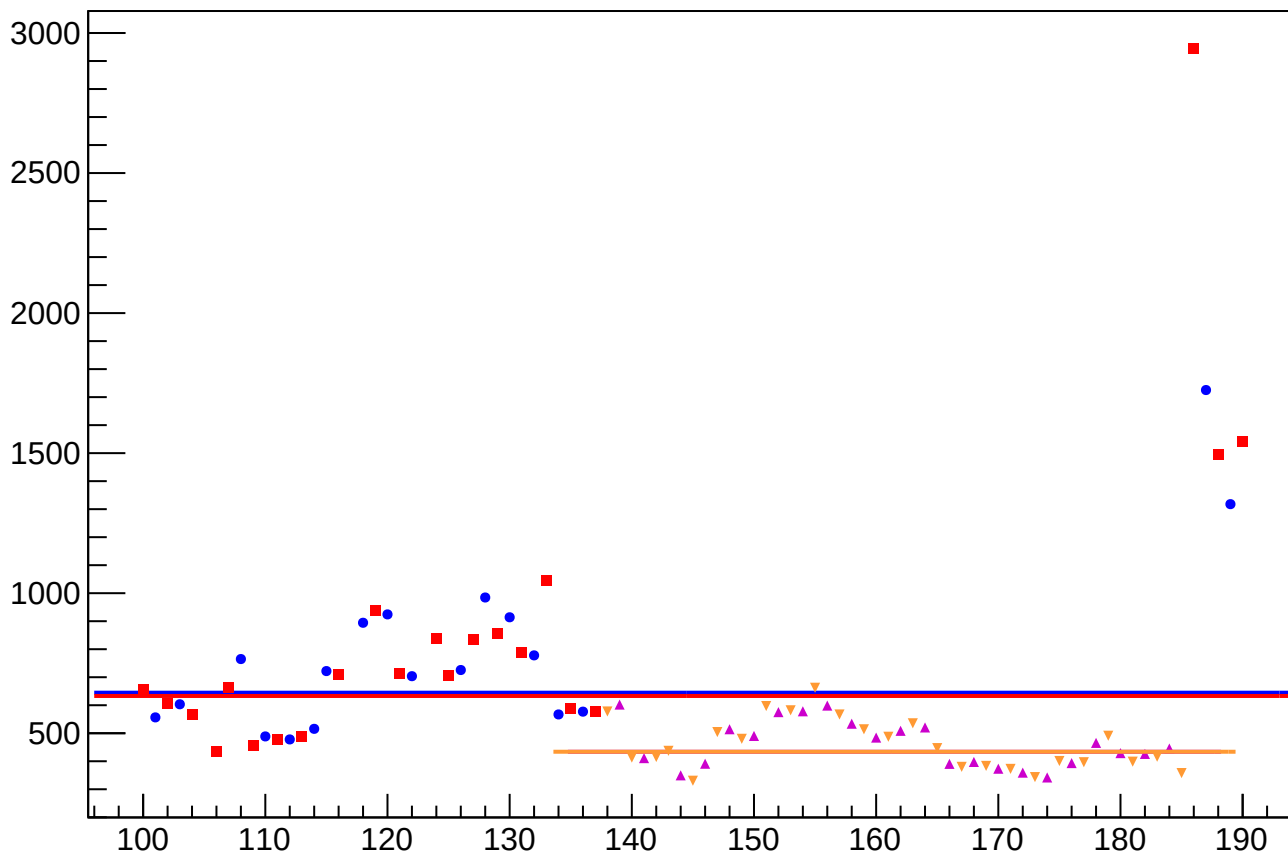
Left In: 75.665 ± 103.128 χ^2/NDF : 24.5/22

+ sign 440.329 ± 92.647 χ^2/NDF : 92.0/42

All: 296.555 ± 65.903 χ^2/NDF : 141.1/87

- sign 149.292 ± 93.764 χ^2/NDF : 44.1/44

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 644.757 ± 0.169 χ^2/NDF : 1119169.7/17

Left Out: 433.945 ± 0.071 χ^2/NDF : 1243702.1/24

Right Out: 633.040 ± 0.159 χ^2/NDF : 2266894.2/21

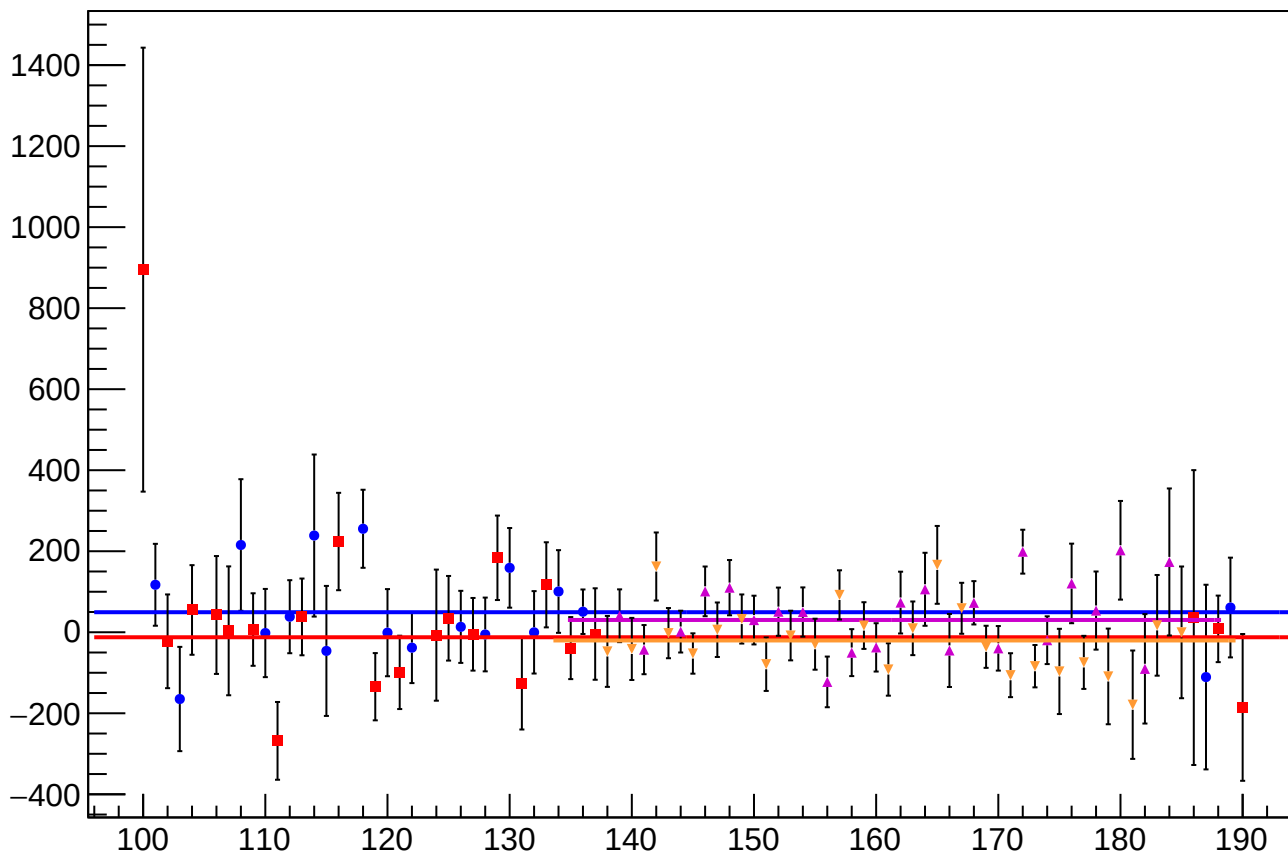
Left In: 433.722 ± 0.073 χ^2/NDF : 1094788.4/22

+ sign 465.695 ± 0.066 χ^2/NDF : 3687559.6/42

All: 466.970 ± 0.047 χ^2/NDF : 8345161.2/87

- sign 468.276 ± 0.066 χ^2/NDF : 4656834.8/44

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 49.470 ± 23.889 χ^2/NDF : 14.3/17

Left Out: -20.270 ± 13.636 χ^2/NDF : 25.1/24

Right Out: -12.349 ± 23.086 χ^2/NDF : 25.0/21

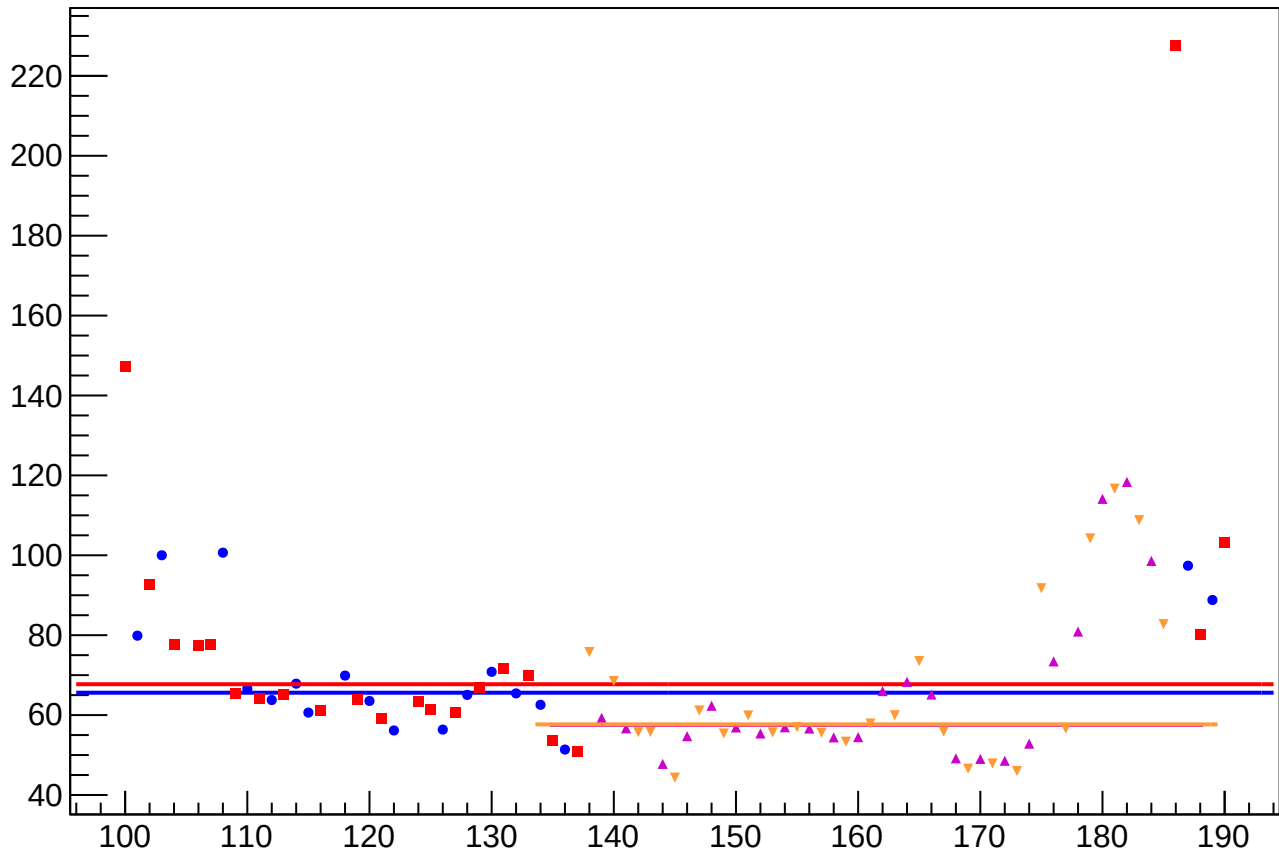
Left In: 30.318 ± 13.979 χ^2/NDF : 32.6/22

+ sign -3.131 ± 11.843 χ^2/NDF : 45.9/42

All: 7.764 ± 8.414 χ^2/NDF : 107.7/87

- sign 18.871 ± 11.958 χ^2/NDF : 60.1/44

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 65.603 ± 0.017 χ^2/NDF : 580440.3/17

Left Out: 57.668 ± 0.010 χ^2/NDF : 1909743.5/24

Right Out: 67.725 ± 0.016 χ^2/NDF : 847788.7/21

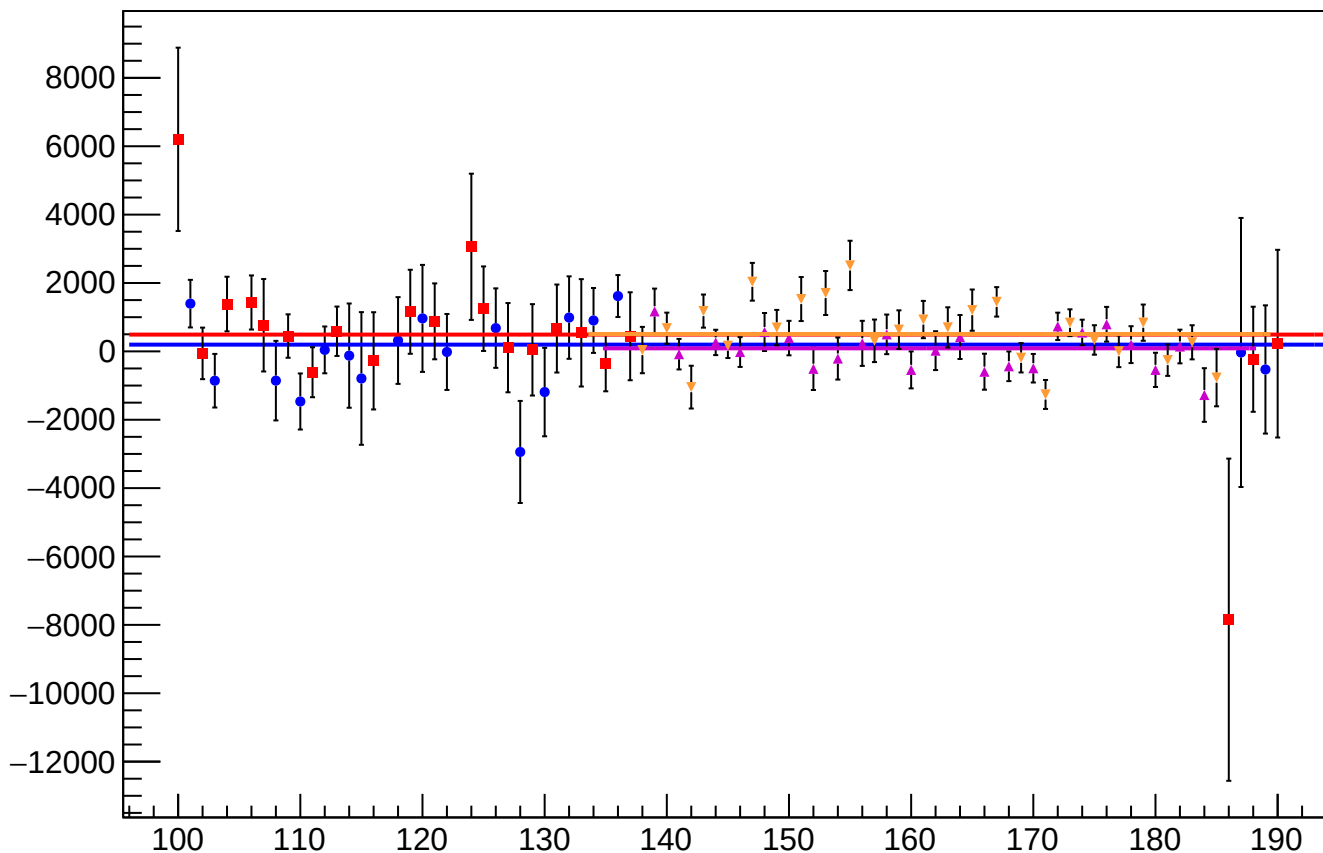
Left In: 57.539 ± 0.010 χ^2/NDF : 1443279.4/22

+ sign 59.618 ± 0.008 χ^2/NDF : 2656587.2/42

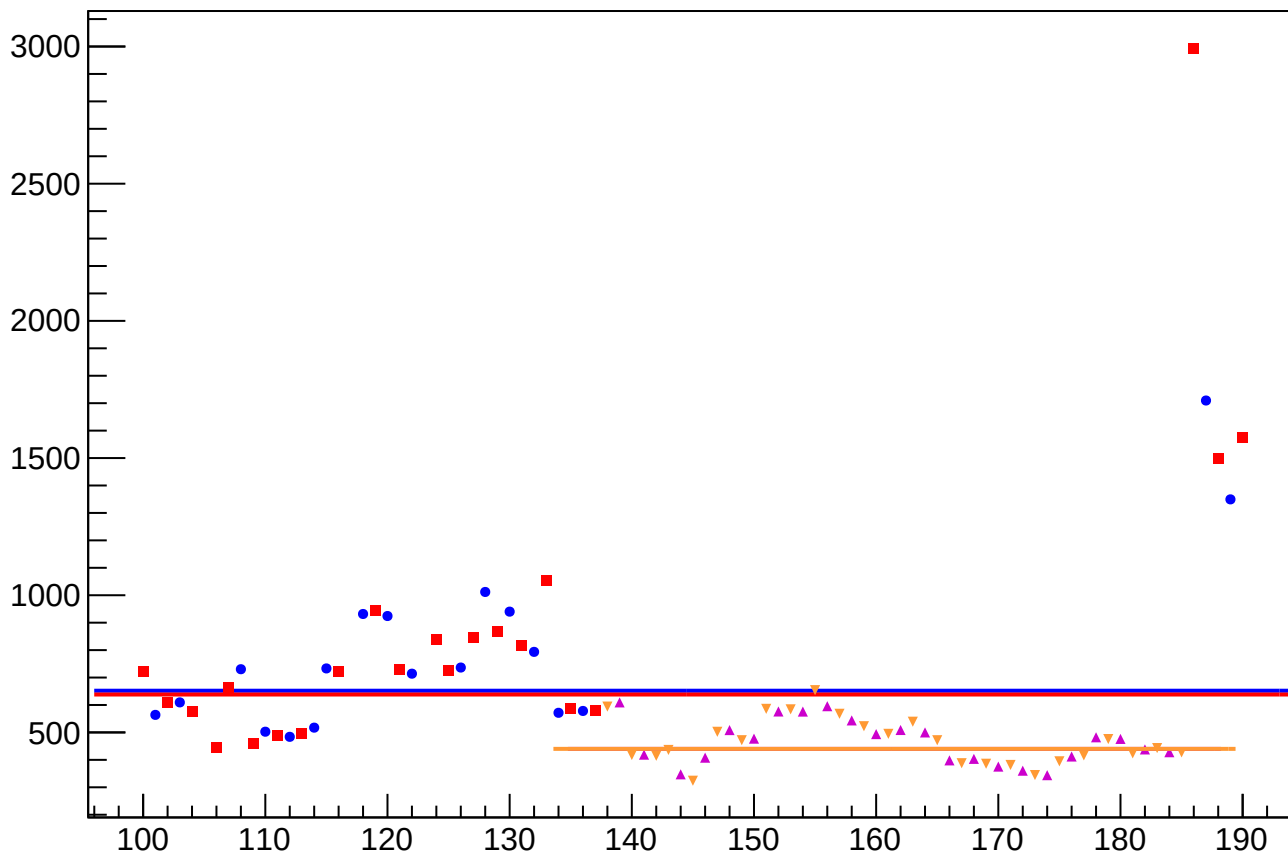
All: 59.942 ± 0.006 χ^2/NDF : 5235564.8/87

- sign 60.272 ± 0.008 χ^2/NDF : 2575957.4/44

asym_sam_15_48_dd_dit_correction_mean vs Slug



asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 651.988 $\pm$ 0.171 χ^2 /NDF: 1134734.1/17

Left Out: 440.075 $\pm$ 0.072 χ^2 /NDF: 1196985.5/24

Right Out: 638.160 $\pm$ 0.160 χ^2 /NDF: 2289525.0/21

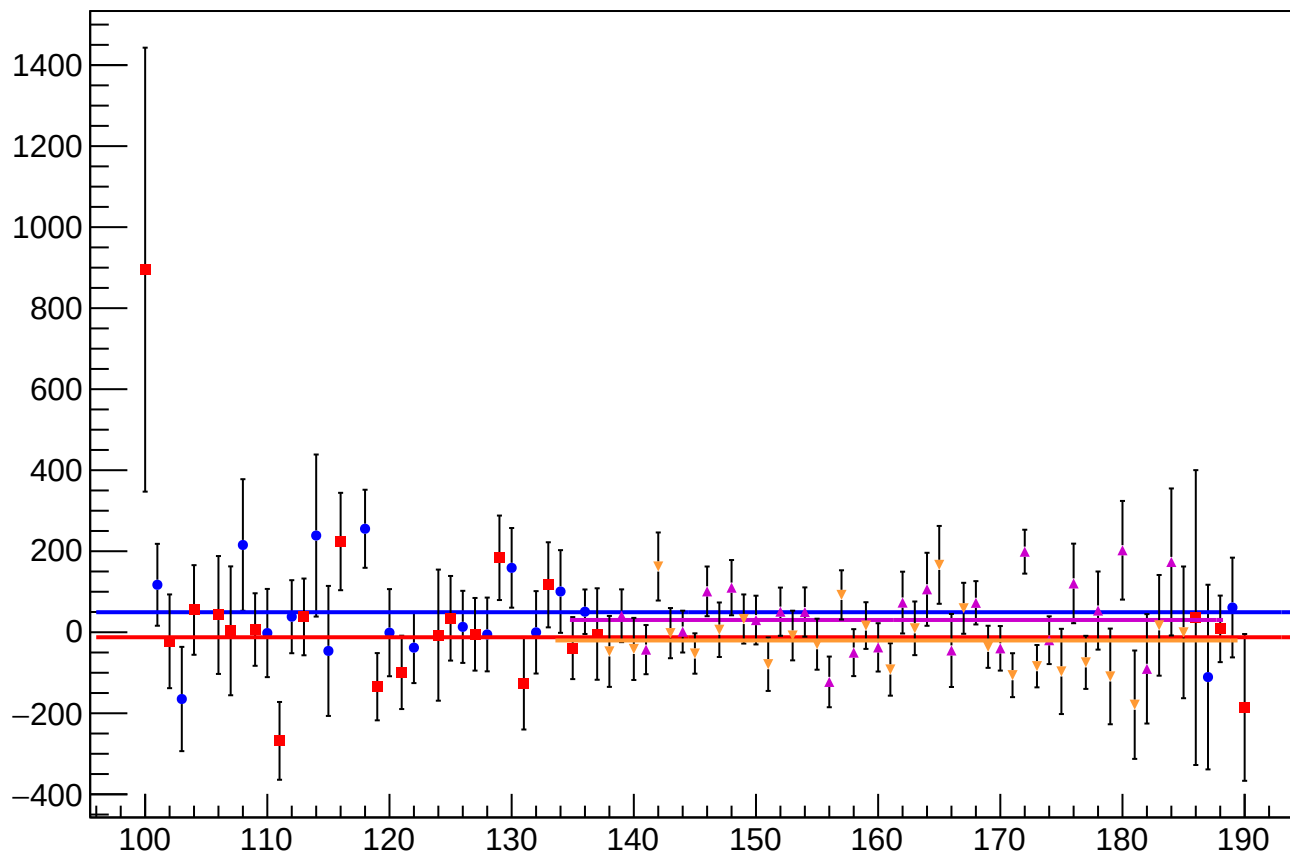
Left In: 439.877 $\pm$ 0.074 χ^2 /NDF: 1061910.1/22

+ sign 472.079 $\pm$ 0.066 χ^2 /NDF: 3641187.7/42

All: 473.421 $\pm$ 0.047 χ^2 /NDF: 8260494.0/87

- sign 474.795 $\pm$ 0.067 χ^2 /NDF: 4618477.1/44

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 49.468 ± 23.889 χ^2/NDF : 14.3/17

Left Out: -20.271 ± 13.636 χ^2/NDF : 25.1/24

Right Out: -12.349 ± 23.086 χ^2/NDF : 25.0/21

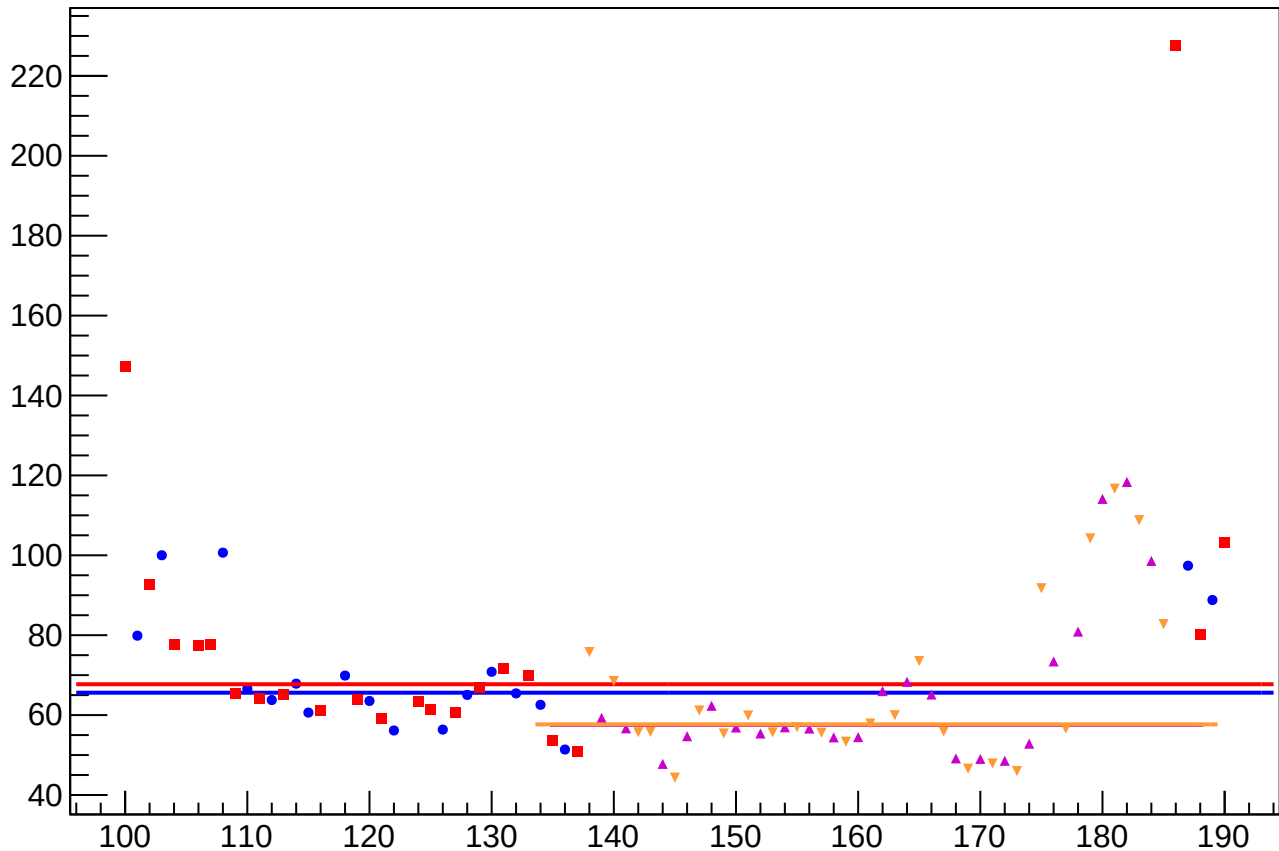
Left In: 30.318 ± 13.979 χ^2/NDF : 32.6/22

+ sign -3.132 ± 11.843 χ^2/NDF : 45.9/42

All: 7.764 ± 8.414 χ^2/NDF : 107.7/87

- sign 18.871 ± 11.958 χ^2/NDF : 60.1/44

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 65.602+/-0.017 χ^2/NDF : 580436.3/17

Left Out: 57.668+/-0.010 χ^2/NDF : 1909739.8/24

Right Out: 67.725+/-0.016 χ^2/NDF : 847800.4/21

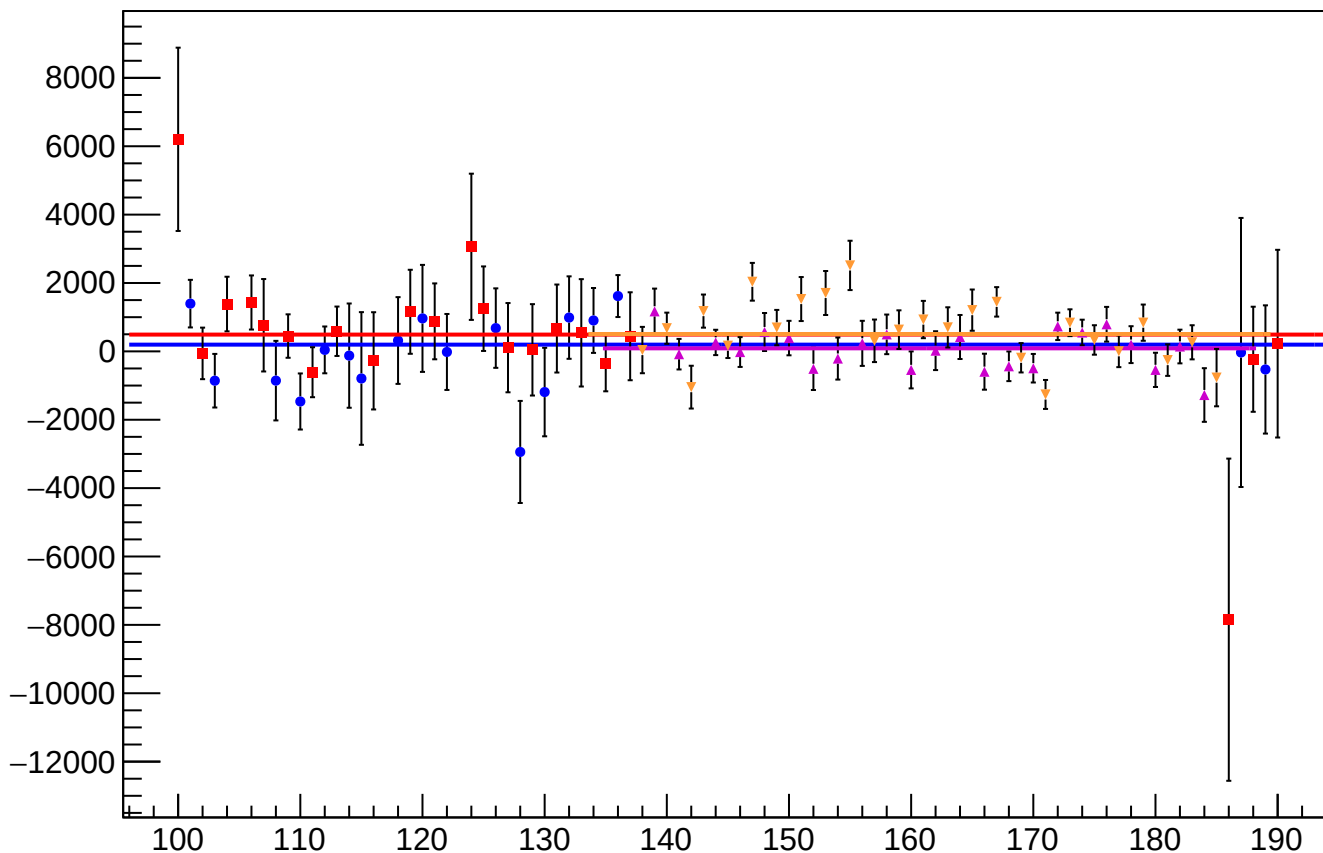
Left In: 57.539+/-0.010 χ^2/NDF : 1443262.3/22

+ sign 59.618+/-0.008 χ^2/NDF : 2656570.7/42

All: 59.942+/-0.006 χ^2/NDF : 5235532.2/87

- sign 60.272+/-0.008 χ^2/NDF : 2575941.9/44

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug



Right In: 196.872 ± 241.309 $\chi^2/\text{NDF}: 22.6/17$

Left Out: 507.170 ± 101.776 $\chi^2/\text{NDF}: 65.8/24$

Right Out: 490.885 ± 226.121 $\chi^2/\text{NDF}: 17.2/21$

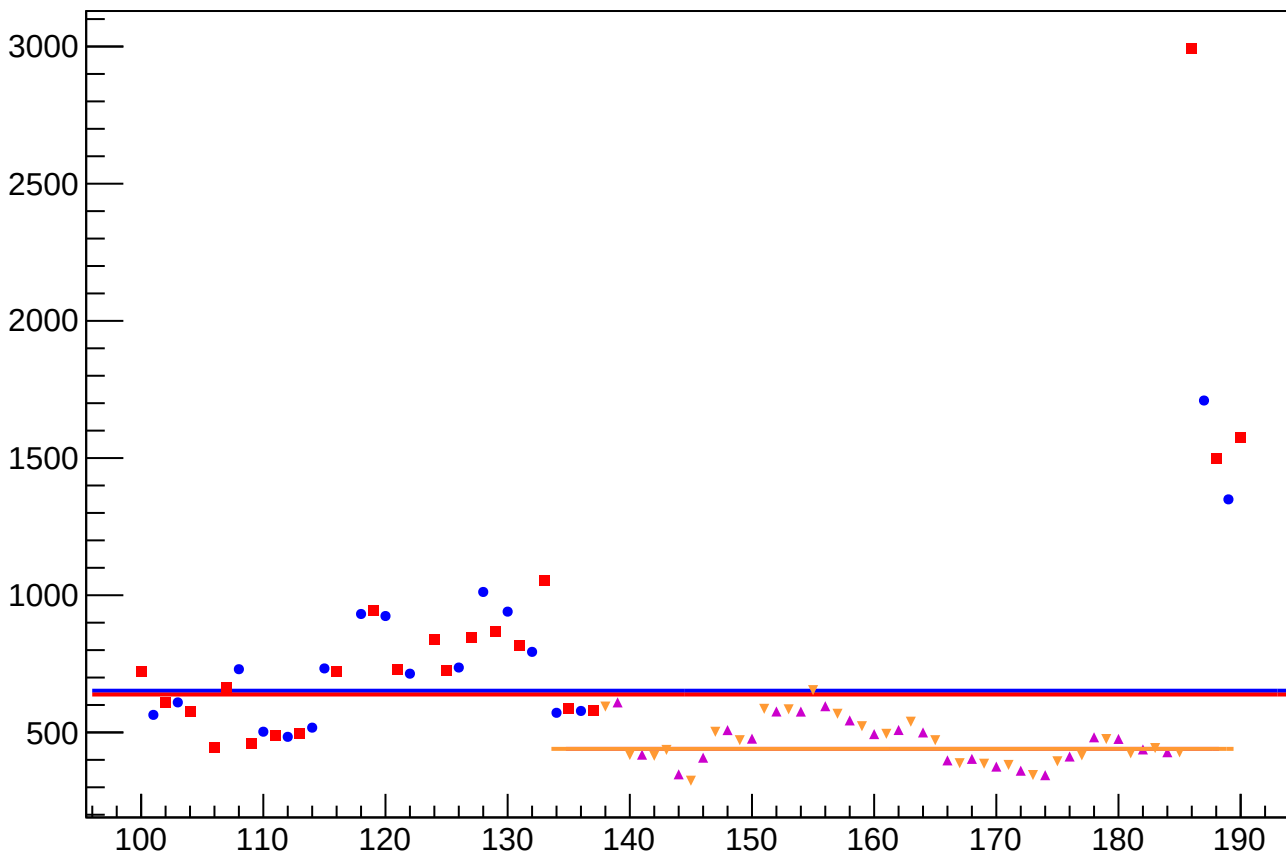
Left In: 88.471 ± 104.541 $\chi^2/\text{NDF}: 23.3/22$

+ sign 460.308 ± 93.776 $\chi^2/\text{NDF}: 89.8/42$

All: 311.600 ± 66.700 $\chi^2/\text{NDF}: 138.0/87$

- sign 159.337 ± 94.891 $\chi^2/\text{NDF}: 43.1/44$

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 651.988 $\pm$ 0.171 χ^2 /NDF: 1134736.7/17

Left Out: 440.074 $\pm$ 0.072 χ^2 /NDF:1196993.4/24

Right Out: 638.160 $\pm$ 0.160 χ^2 /NDF: 2289526.5/21

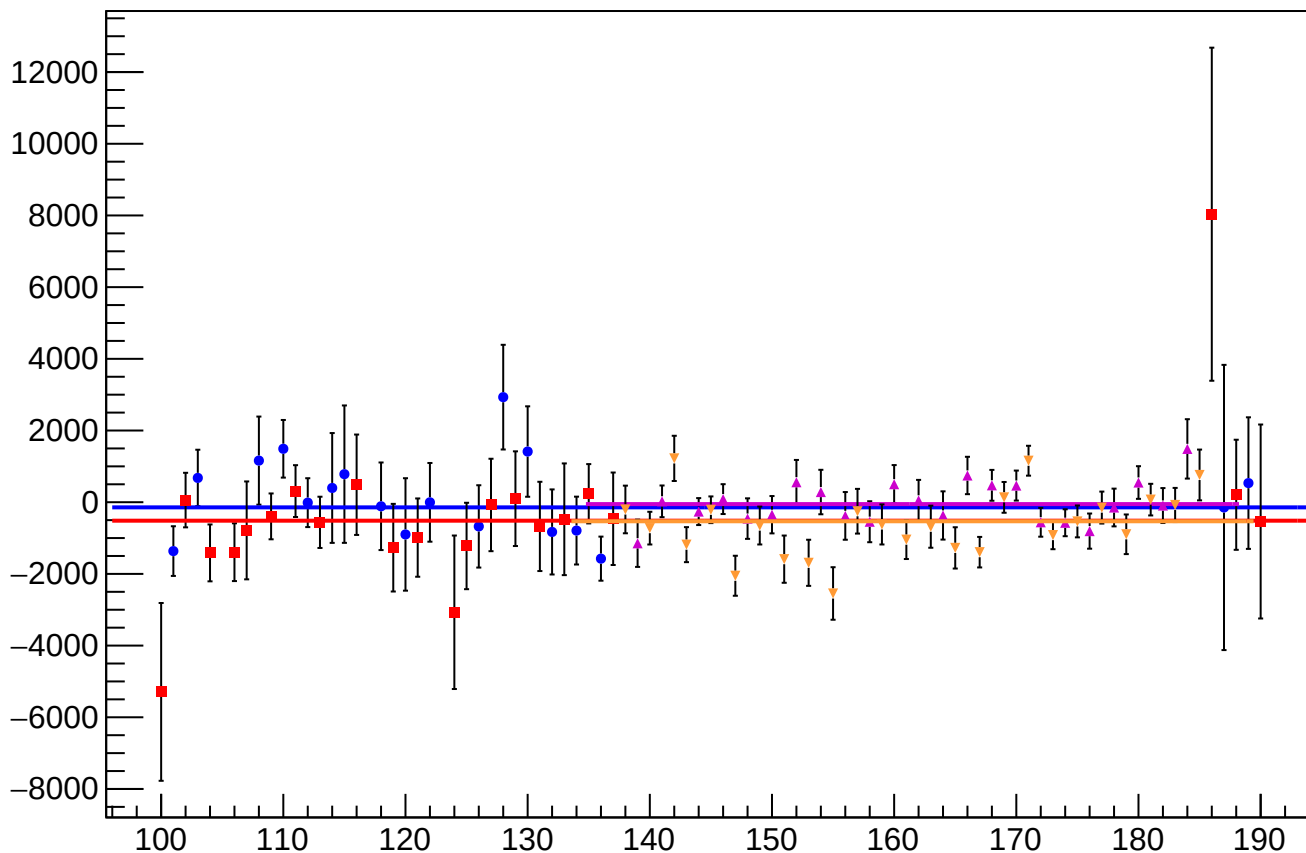
Left In: 439.876 $\pm$ 0.074 χ^2 /NDF:1061916.6/22

+ sign 472.078 $\pm$ 0.066 χ^2 /NDF: 3641205.6/42

All: 473.420 $\pm$ 0.047 χ^2 /NDF: 8260529.0/87

- sign 474.794 $\pm$ 0.067 χ^2 /NDF: 4618494.3/44

asym_sam_15_48_dd_mean vs Slug



Right In: -143.833 ± 240.065 χ^2/NDF : 22.6/17

Left Out: -531.569 ± 101.245 χ^2/NDF : 65.6/24

Right Out: -515.528 ± 225.335 χ^2/NDF : 15.8/21

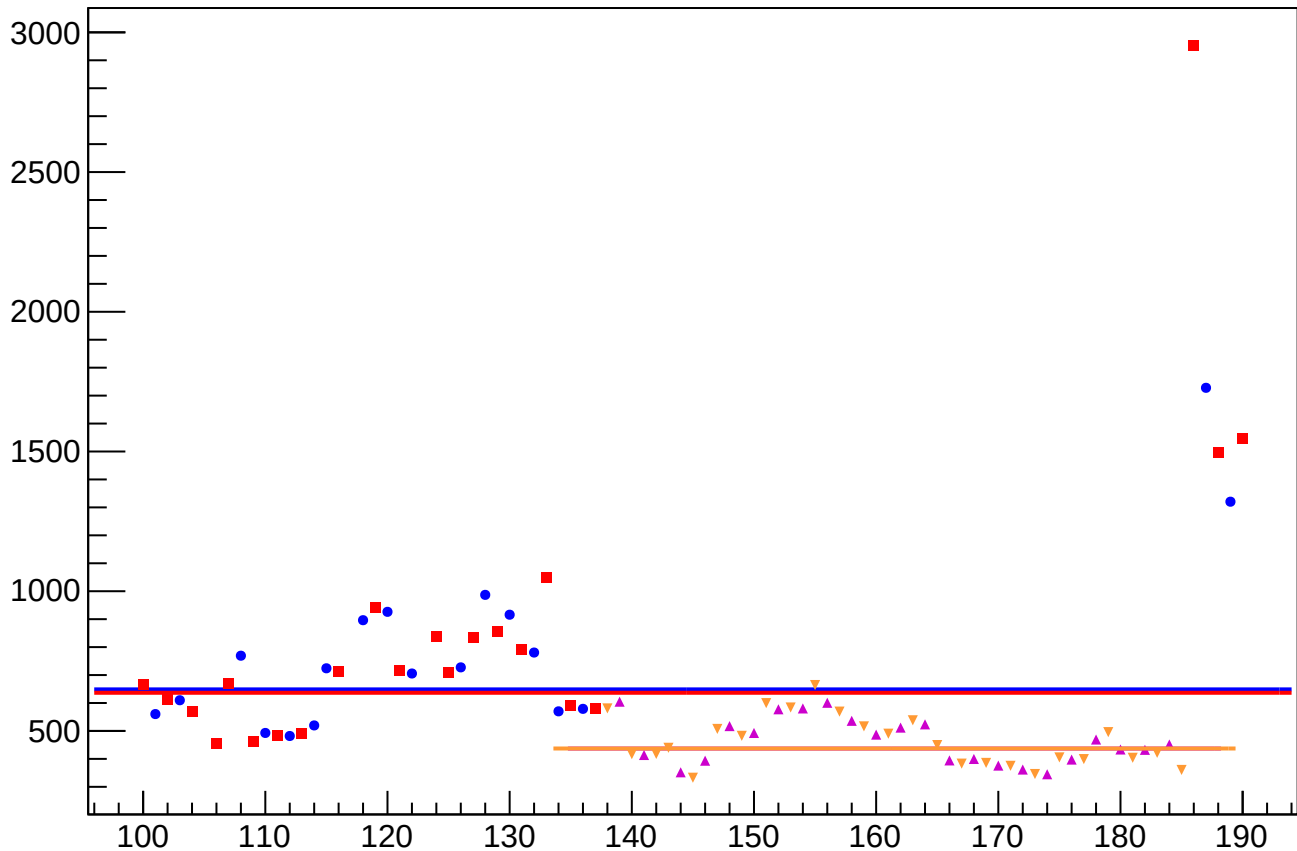
Left In: -52.554 ± 103.870 χ^2/NDF : 24.1/22

+ sign -473.018 ± 93.288 χ^2/NDF : 90.4/42

All: -305.238 ± 66.330 χ^2/NDF : 140.3/87

- sign -133.688 ± 94.331 χ^2/NDF : 43.3/44

asym_sam_15_48_dd_rms vs Slug



Right In: 648.714 $\pm$ 0.170 χ^2 /NDF: 1104600.4/17

Left Out: 437.157 $\pm$ 0.072 χ^2 /NDF:1227453.3/24

Right Out: 636.596 $\pm$ 0.159 χ^2 /NDF: 2240598.7/21

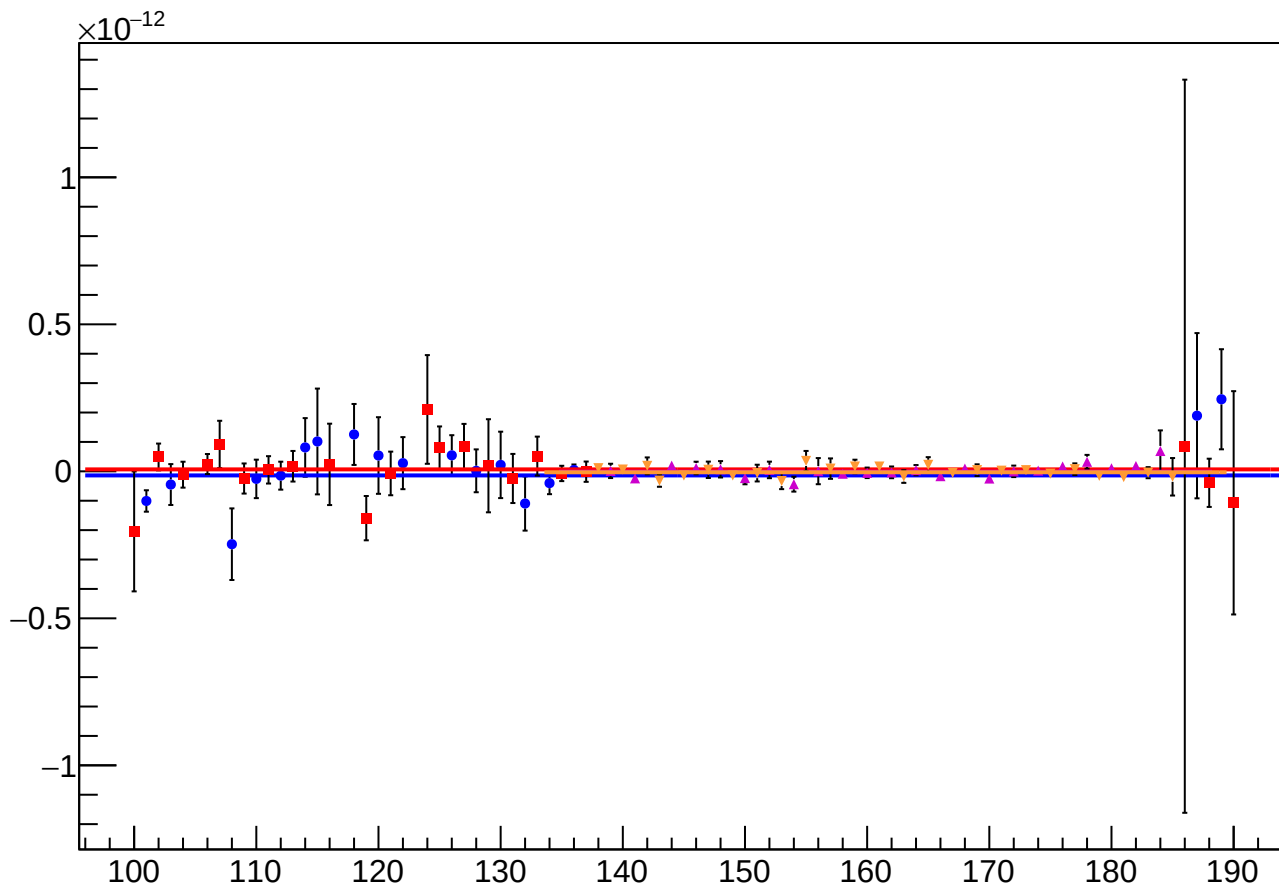
Left In: 436.937 $\pm$ 0.073 χ^2 /NDF:1080038.0/22

+ sign 469.103 $\pm$ 0.066 χ^2 /NDF: 3650719.3/42

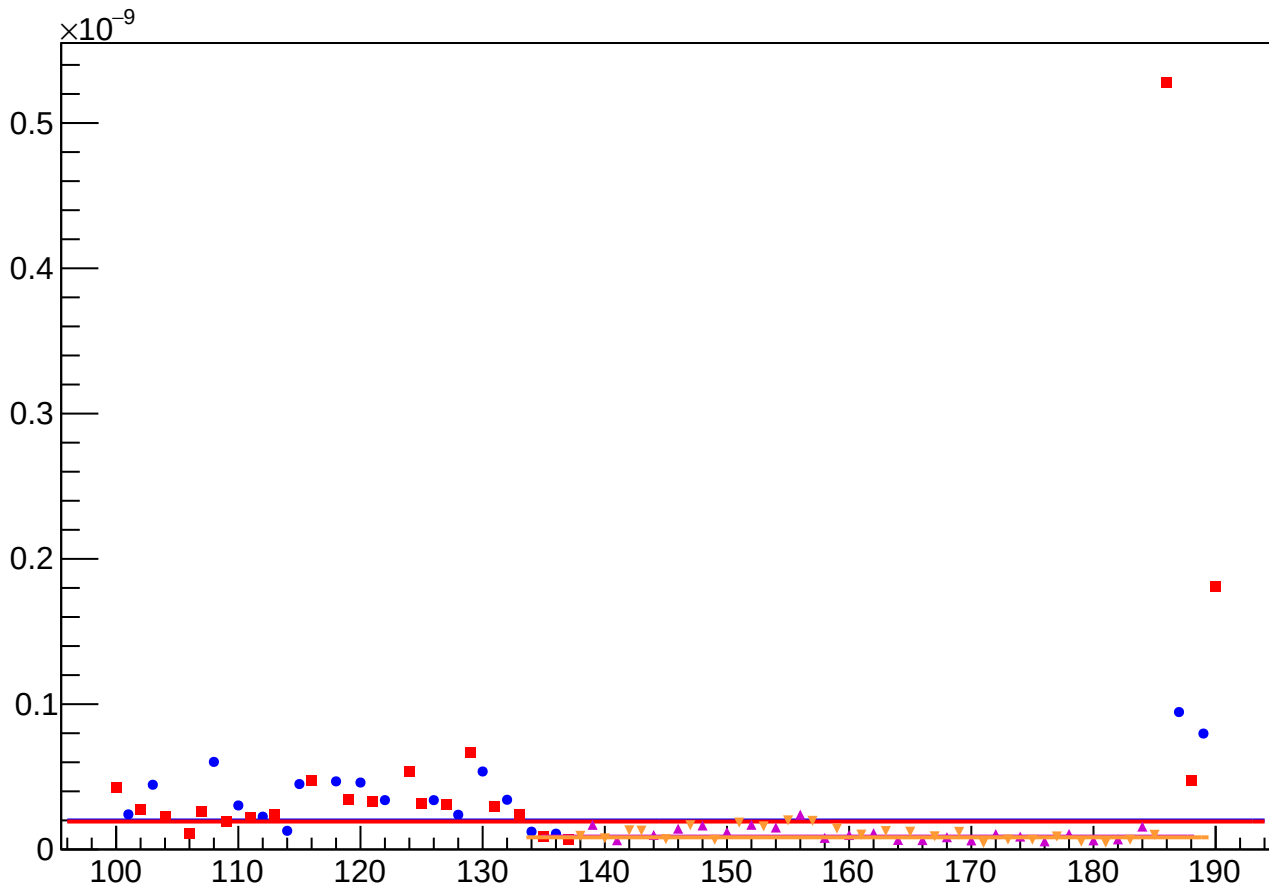
All: 470.499 $\pm$ 0.047 χ^2 /NDF: 8267268.8/87

- sign 471.927 $\pm$ 0.067 χ^2 /NDF: 4615643.8/44

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug



asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2126523.1/17

Left Out: 0.000+/-0.000 χ^2/NDF :2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2381202.3/21

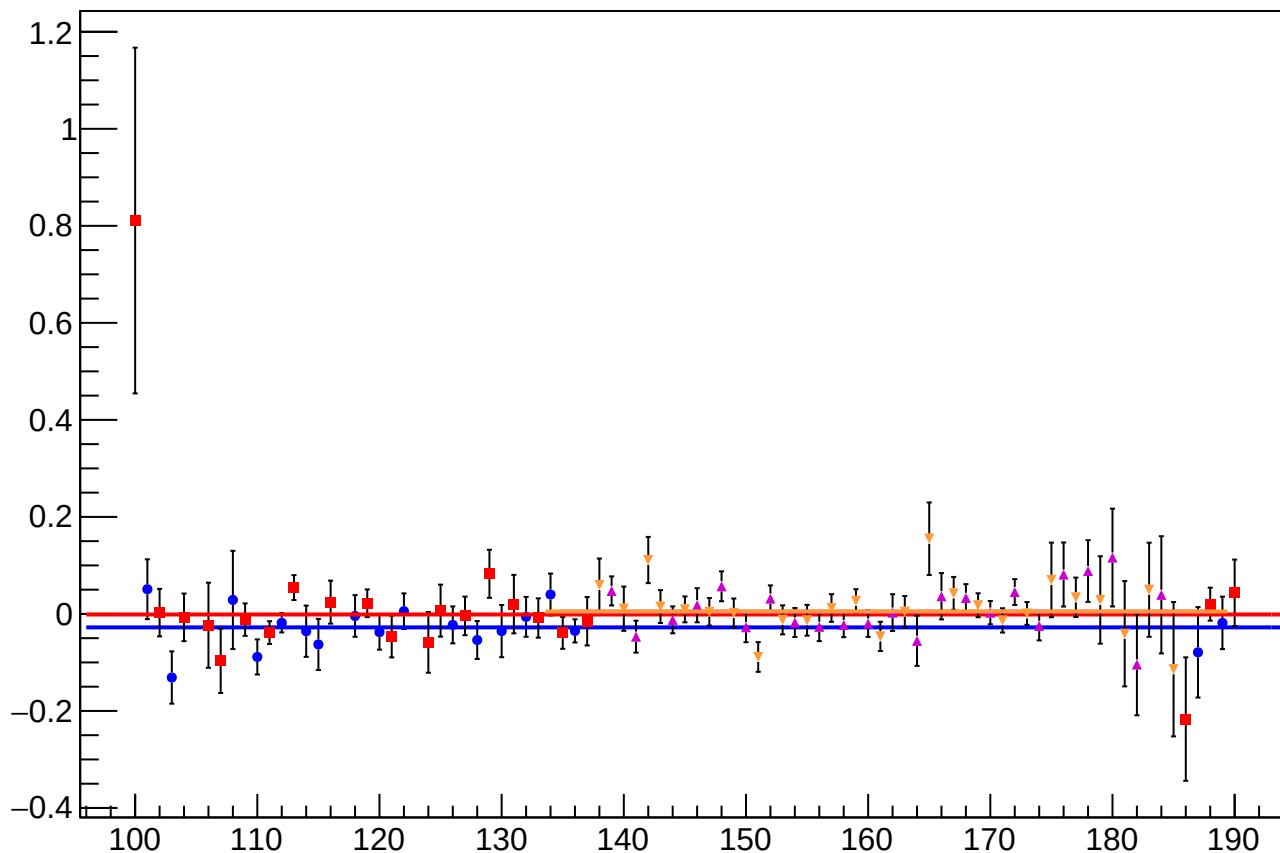
Left In: 0.000+/-0.000 χ^2/NDF :1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 5918994.5/42

All: 0.000+/-0.000 χ^2/NDF : 11336242.5/87

- sign 0.000+/-0.000 χ^2/NDF : 5390190.0/44

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.028 ± 0.009 χ^2/NDF : 14.0/17

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: -0.001 ± 0.009 χ^2/NDF : 25.8/21

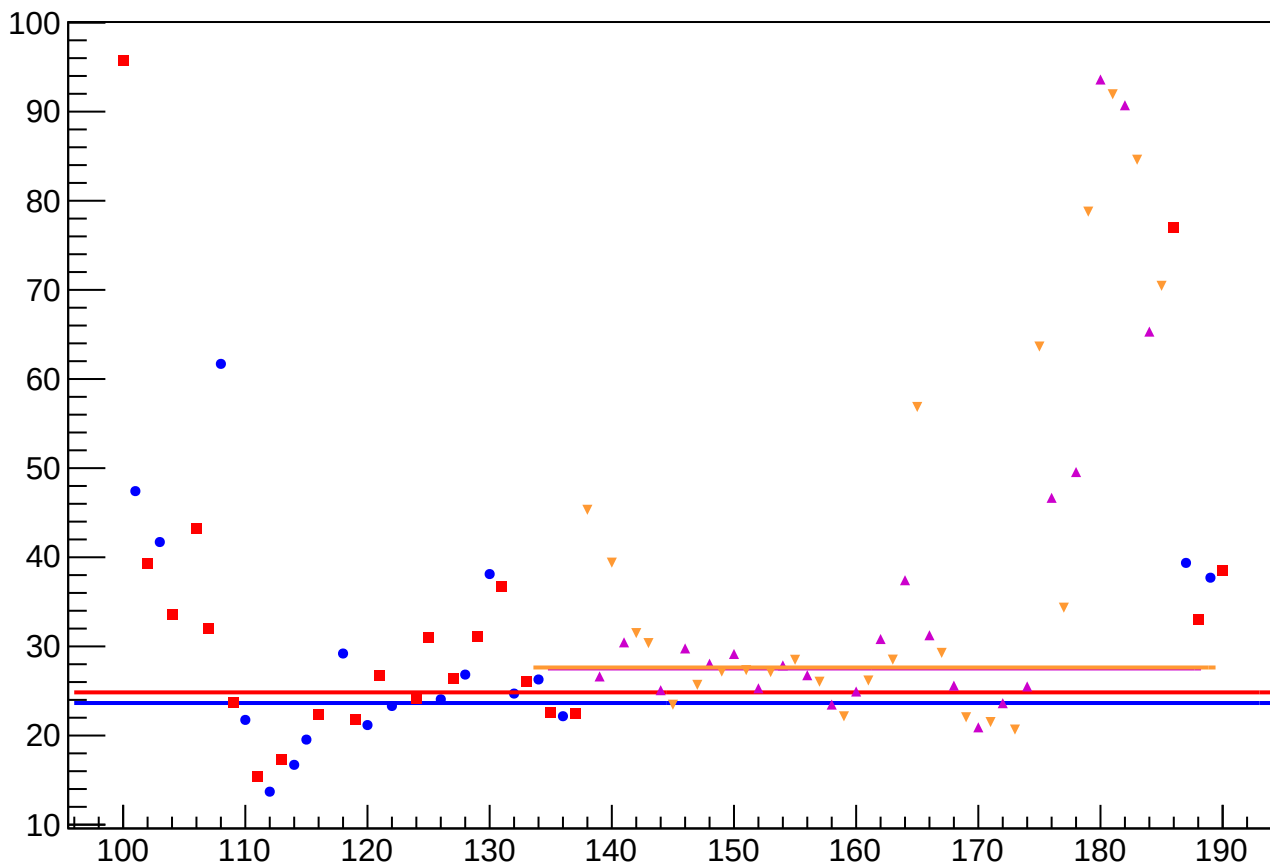
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign -0.007 ± 0.005 χ^2/NDF : 50.6/42

All: -0.002 ± 0.004 χ^2/NDF : 103.1/87

- sign 0.002 ± 0.005 χ^2/NDF : 51.2/44

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.649 $\pm$ 0.007 χ^2 /NDF: 1764182.9/17

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974084.8/24

Right Out: 24.843 $\pm$ 0.006 χ^2 /NDF: 1650473.2/21

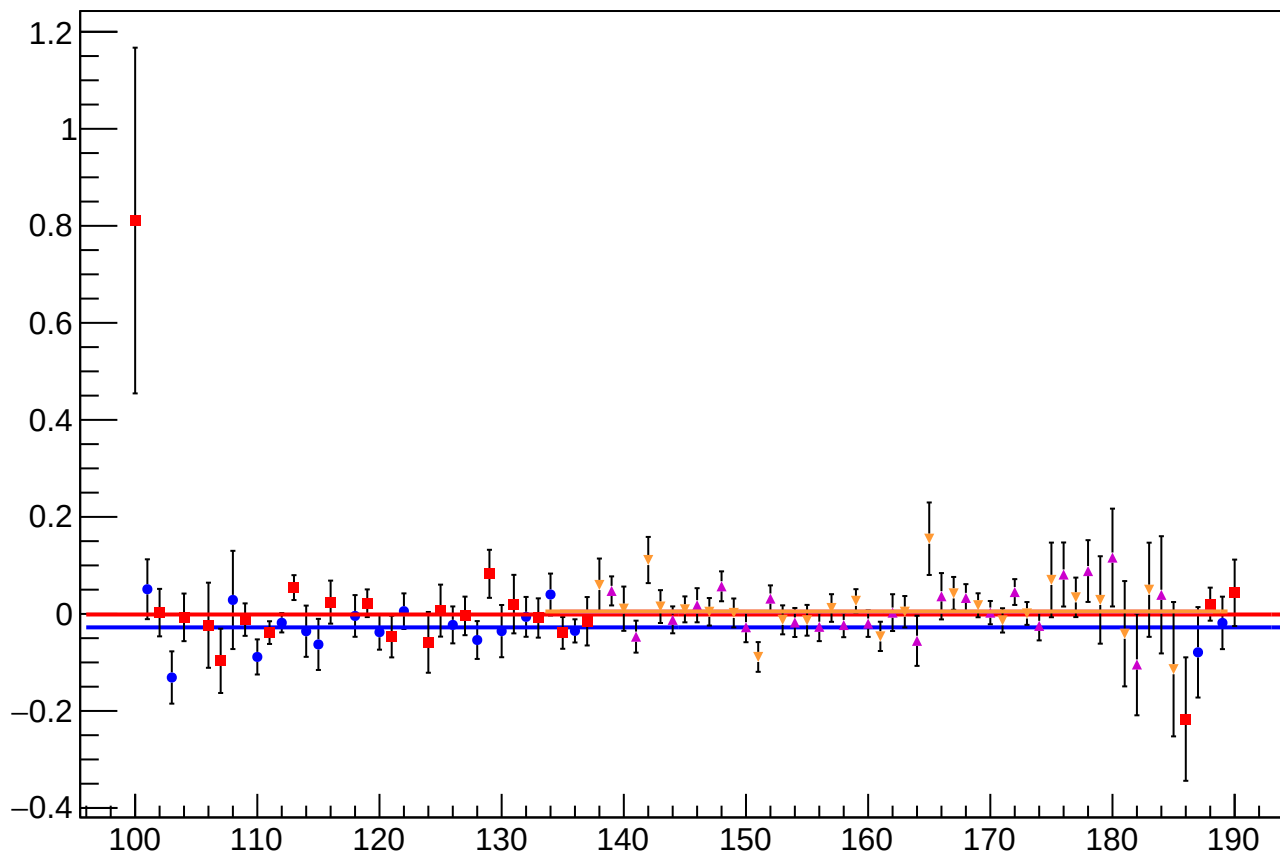
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634540.9/22

+ sign 26.216 $\pm$ 0.004 χ^2 /NDF: 5979427.8/42

All: 26.357 $\pm$ 0.003 χ^2 /NDF: 10379993.0/87

- sign 26.498 $\pm$ 0.004 χ^2 /NDF: 4397925.0/44

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.028 ± 0.009 χ^2/NDF : 14.0/17

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: -0.001 ± 0.009 χ^2/NDF : 25.8/21

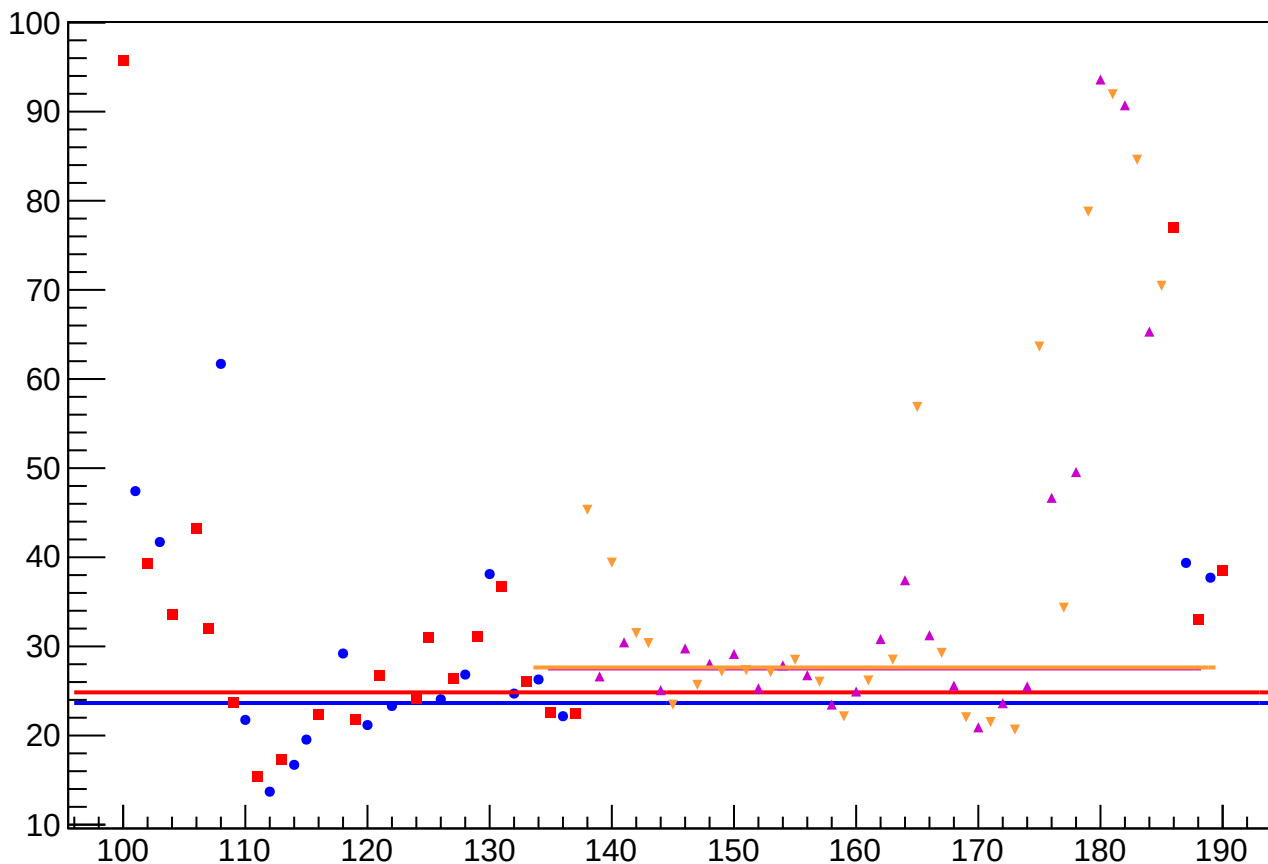
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign -0.007 ± 0.005 χ^2/NDF : 50.6/42

All: -0.002 ± 0.004 χ^2/NDF : 103.1/87

- sign 0.002 ± 0.005 χ^2/NDF : 51.2/44

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.649 $\pm$ 0.007 χ^2 /NDF: 1764182.9/17

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974084.8/24

Right Out: 24.843 $\pm$ 0.006 χ^2 /NDF: 1650473.2/21

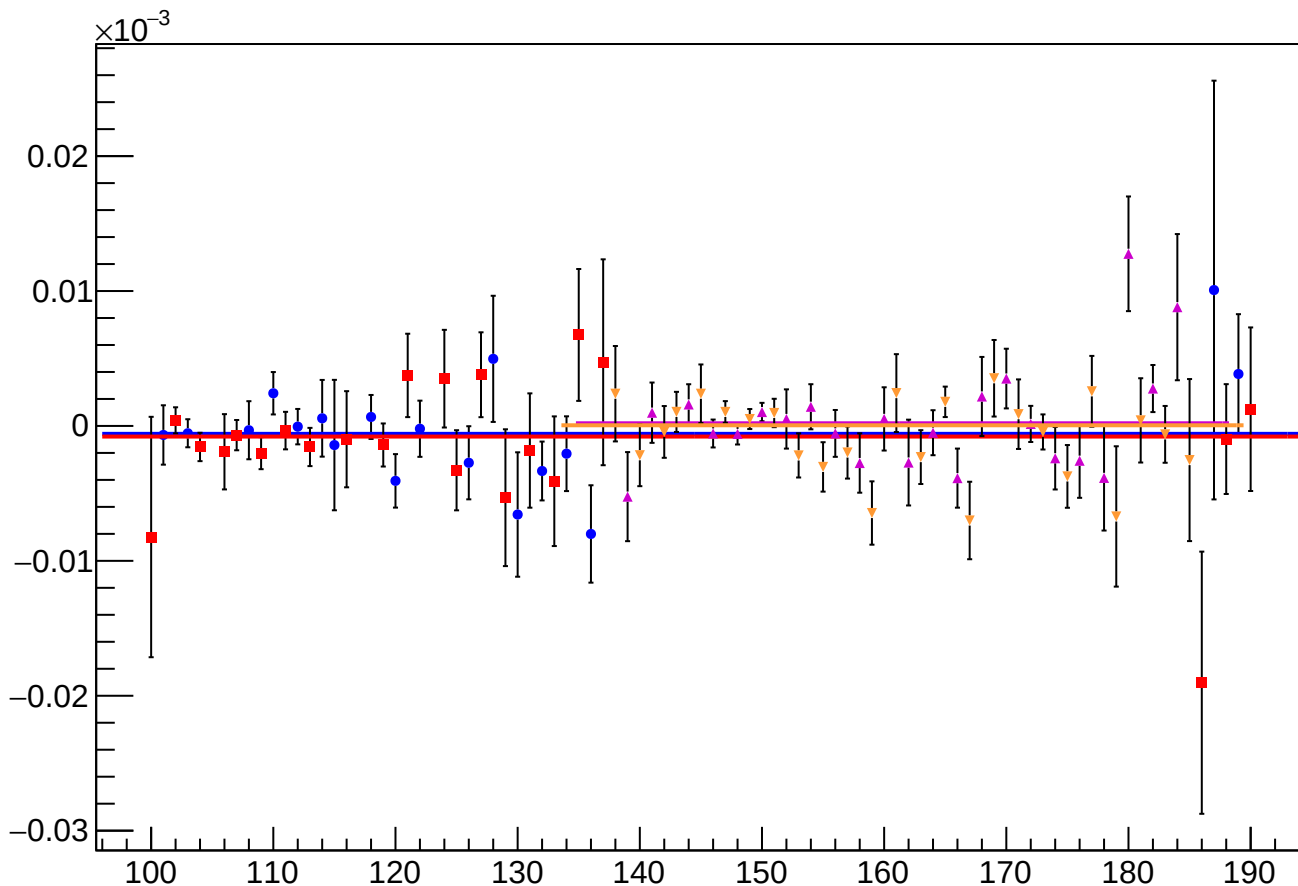
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634540.9/22

+ sign 26.216 $\pm$ 0.004 χ^2 /NDF: 5979427.8/42

All: 26.357 $\pm$ 0.003 χ^2 /NDF: 10379993.0/87

- sign 26.498 $\pm$ 0.004 χ^2 /NDF: 4397925.0/44

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 19.1/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 18.8/21

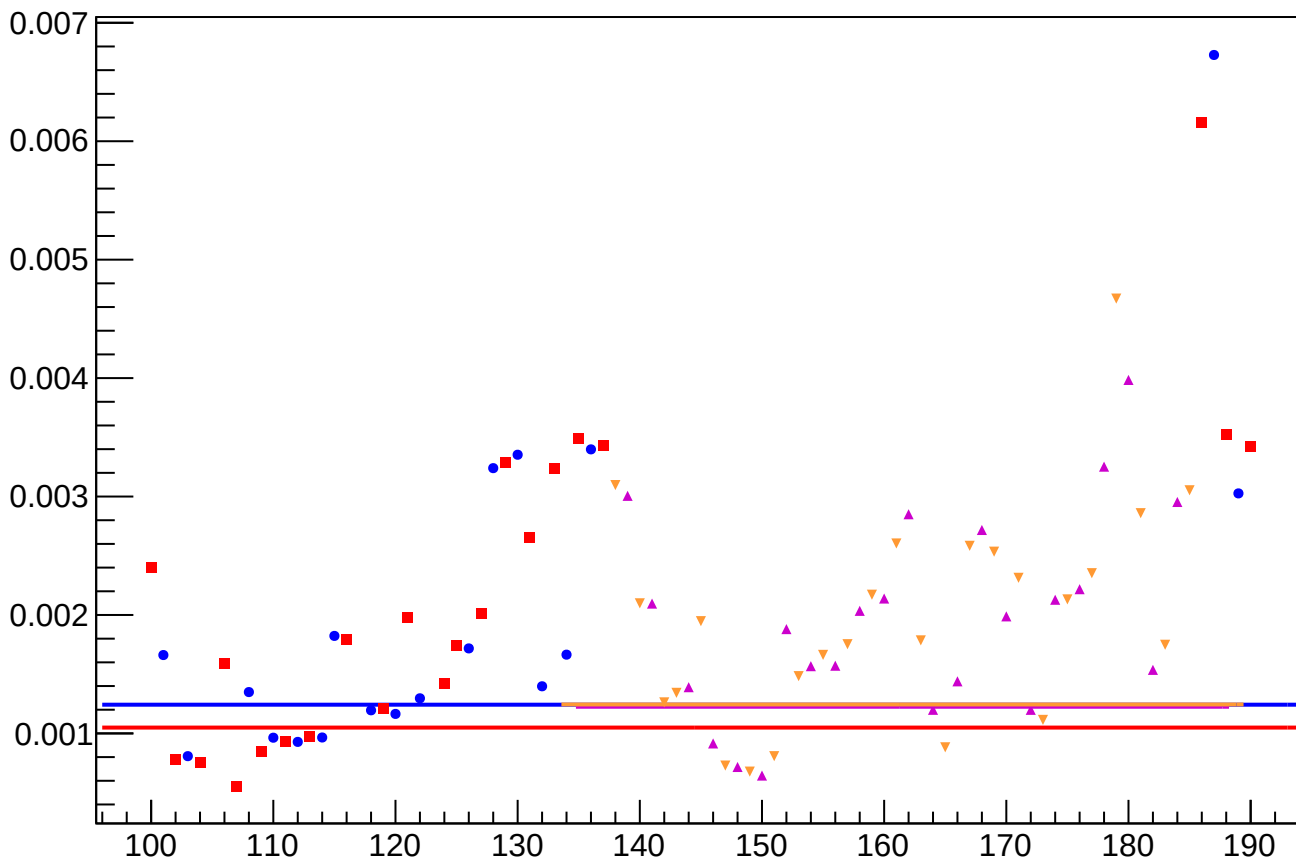
Left In: 0.000 ± 0.000 χ^2/NDF : 33.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 57.2/42

All: -0.000 ± 0.000 χ^2/NDF : 112.7/87

- sign -0.000 ± 0.000 χ^2/NDF : 55.5/44

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 2847705.5/17

Left Out: 0.001+/-0.000 χ^2/NDF : 8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF : 4899163.9/21

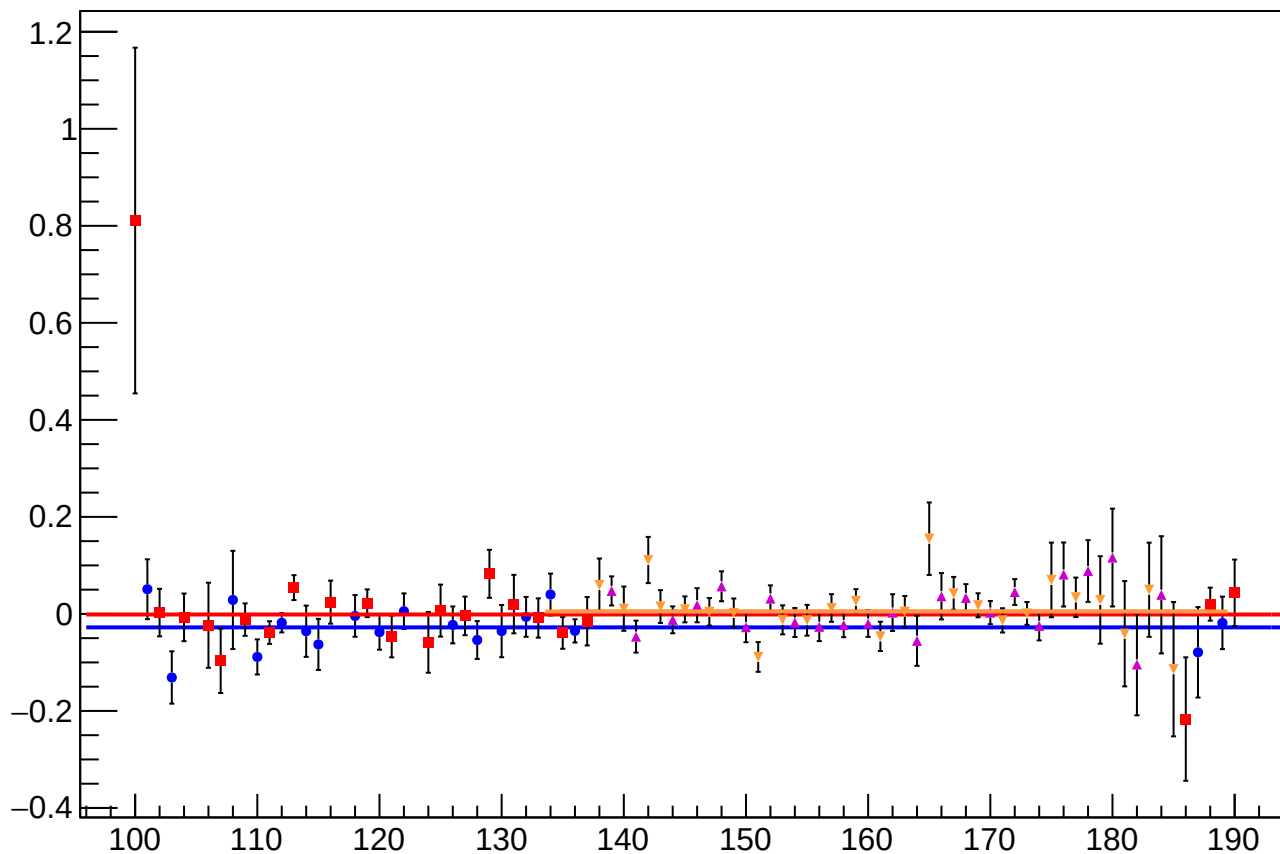
Left In: 0.001+/-0.000 χ^2/NDF : 7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 11188789.3/42

All: 0.001+/-0.000 χ^2/NDF : 24237646.4/87

- sign 0.001+/-0.000 χ^2/NDF : 12941297.2/44

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.028 ± 0.009 $\chi^2/\text{NDF}: 14.0/17$

Left Out: 0.005 ± 0.007 $\chi^2/\text{NDF}: 28.4/24$

Right Out: -0.001 ± 0.009 $\chi^2/\text{NDF}: 25.8/21$

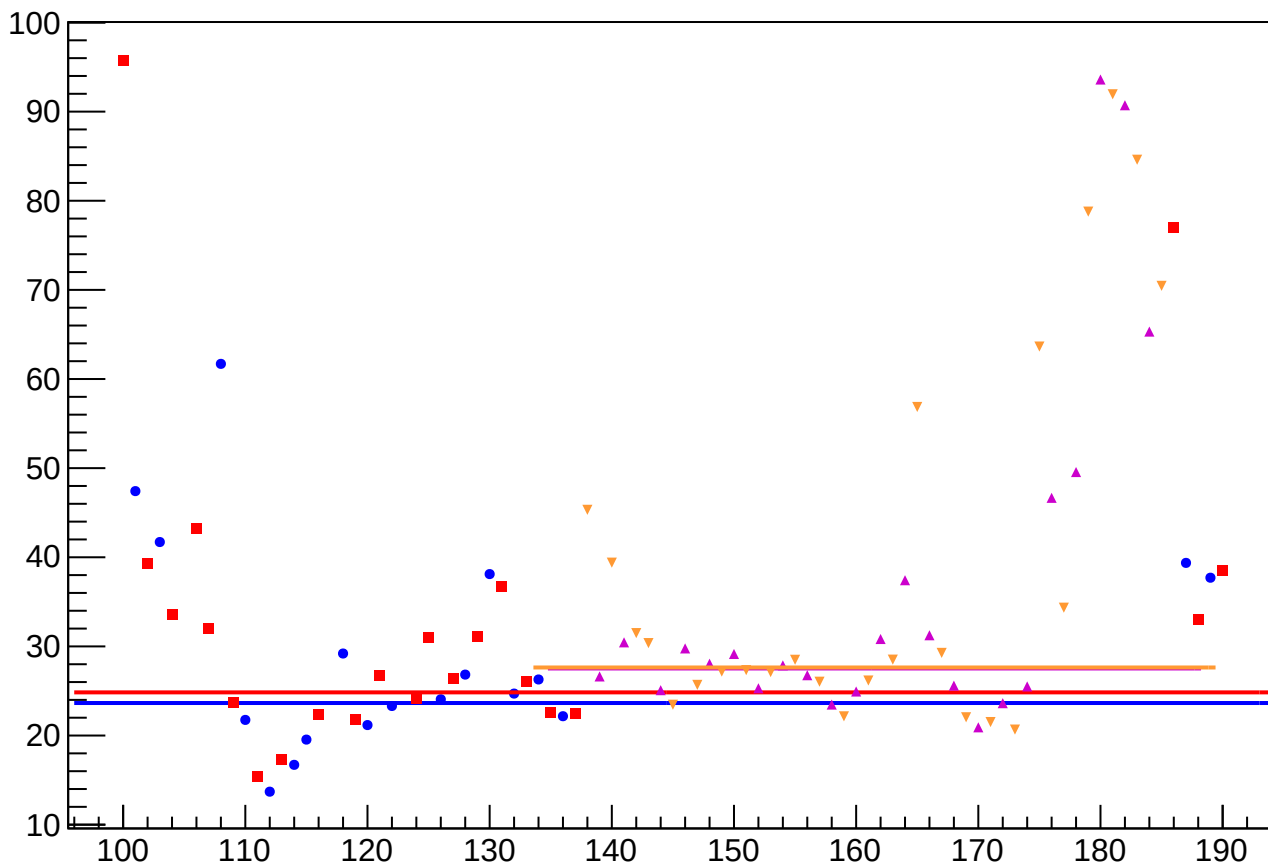
Left In: 0.005 ± 0.007 $\chi^2/\text{NDF}: 25.1/22$

+ sign -0.007 ± 0.005 $\chi^2/\text{NDF}: 50.6/42$

All: -0.002 ± 0.004 $\chi^2/\text{NDF}: 103.1/87$

- sign 0.002 ± 0.005 $\chi^2/\text{NDF}: 51.2/44$

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.649 $\pm$ 0.007 χ^2 /NDF: 1764189.8/17

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974025.3/24

Right Out: 24.842 $\pm$ 0.006 χ^2 /NDF: 1650560.7/21

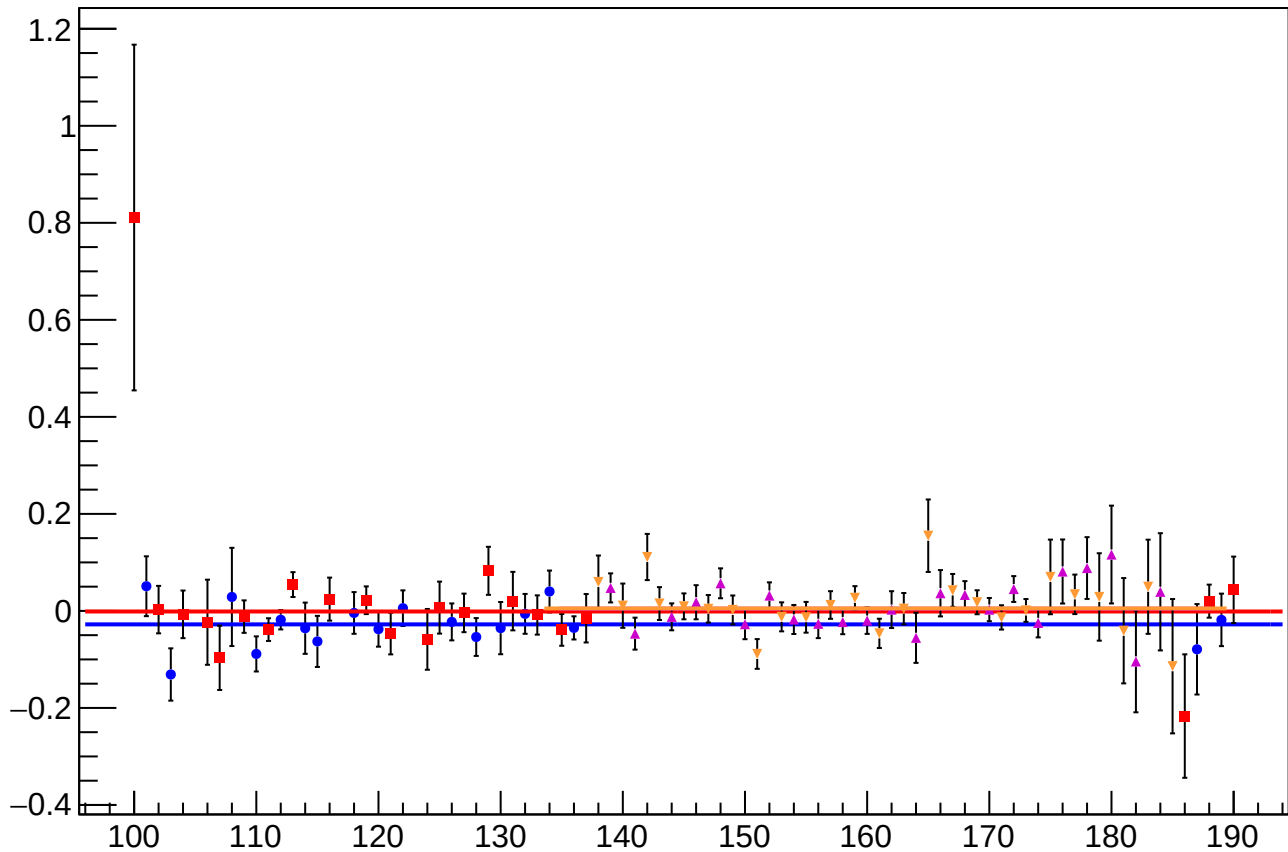
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634508.8/22

+ sign 26.216 $\pm$ 0.004 χ^2 /NDF: 5979441.1/42

All: 26.357 $\pm$ 0.003 χ^2 /NDF: 10380095.4/87

- sign 26.498 $\pm$ 0.004 χ^2 /NDF: 4398015.8/44

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.028 ± 0.009 χ^2/NDF : 14.0/17

Left Out: 0.005 ± 0.007 χ^2/NDF : 28.4/24

Right Out: -0.001 ± 0.009 χ^2/NDF : 25.8/21

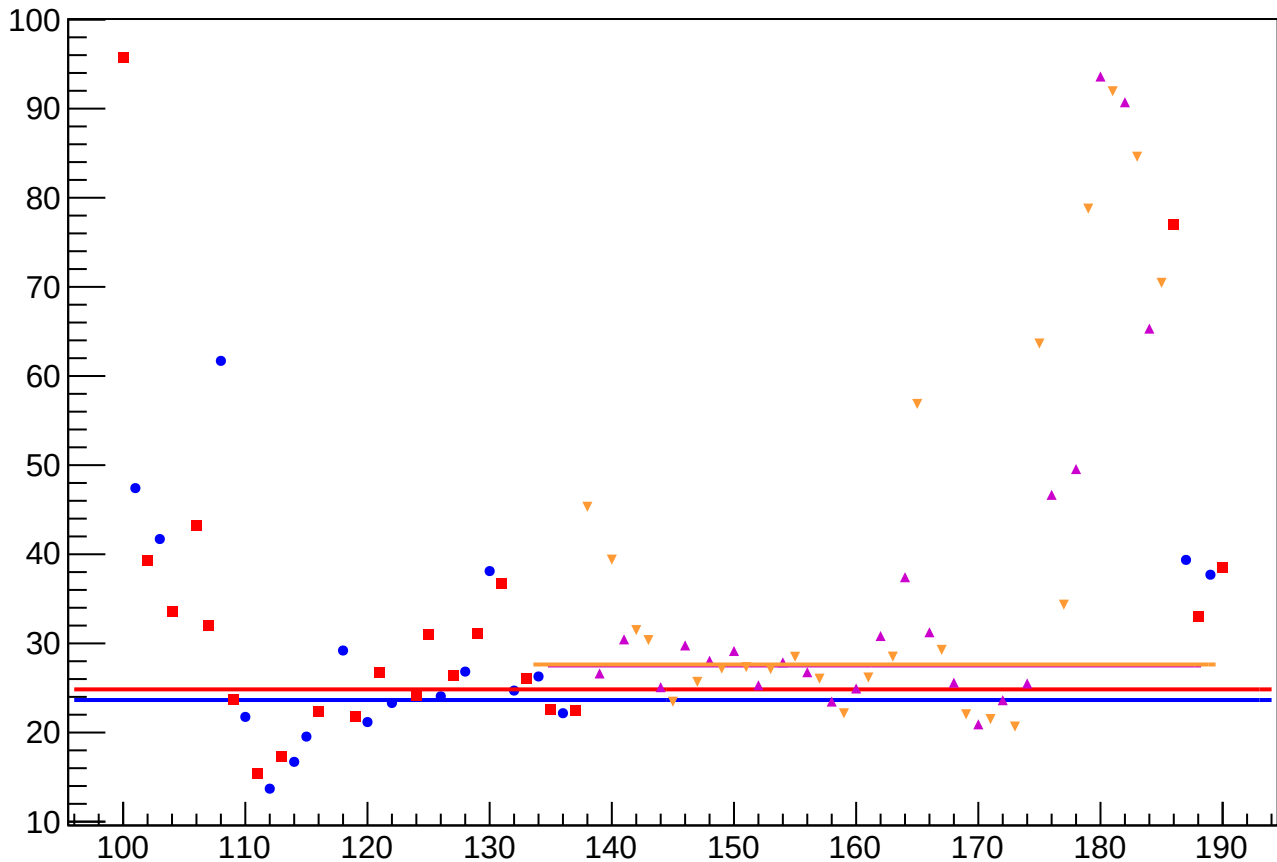
Left In: 0.005 ± 0.007 χ^2/NDF : 25.1/22

+ sign -0.007 ± 0.005 χ^2/NDF : 50.6/42

All: -0.002 ± 0.004 χ^2/NDF : 103.1/87

- sign 0.002 ± 0.005 χ^2/NDF : 51.2/44

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.649 $\pm$ 0.007 χ^2 /NDF: 1764189.8/17

Left Out: 27.635 $\pm$ 0.005 χ^2 /NDF: 3974025.3/24

Right Out: 24.842 $\pm$ 0.006 χ^2 /NDF: 1650560.7/21

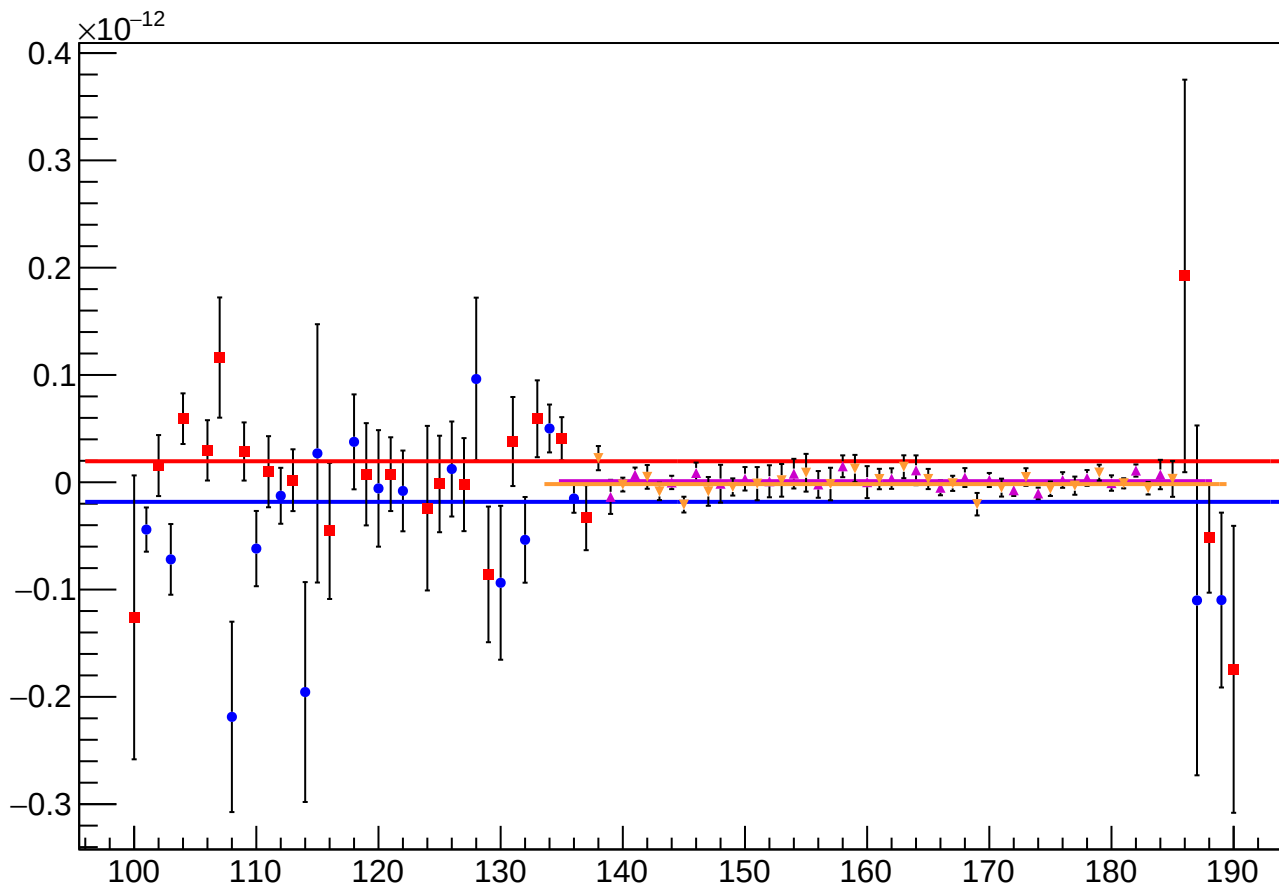
Left In: 27.524 $\pm$ 0.005 χ^2 /NDF: 2634508.8/22

+ sign 26.216 $\pm$ 0.004 χ^2 /NDF: 5979441.1/42

All: 26.357 $\pm$ 0.003 χ^2 /NDF: 10380095.4/87

- sign 26.498 $\pm$ 0.004 χ^2 /NDF: 4398015.8/44

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 31.5/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 24.4/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 22.9/21

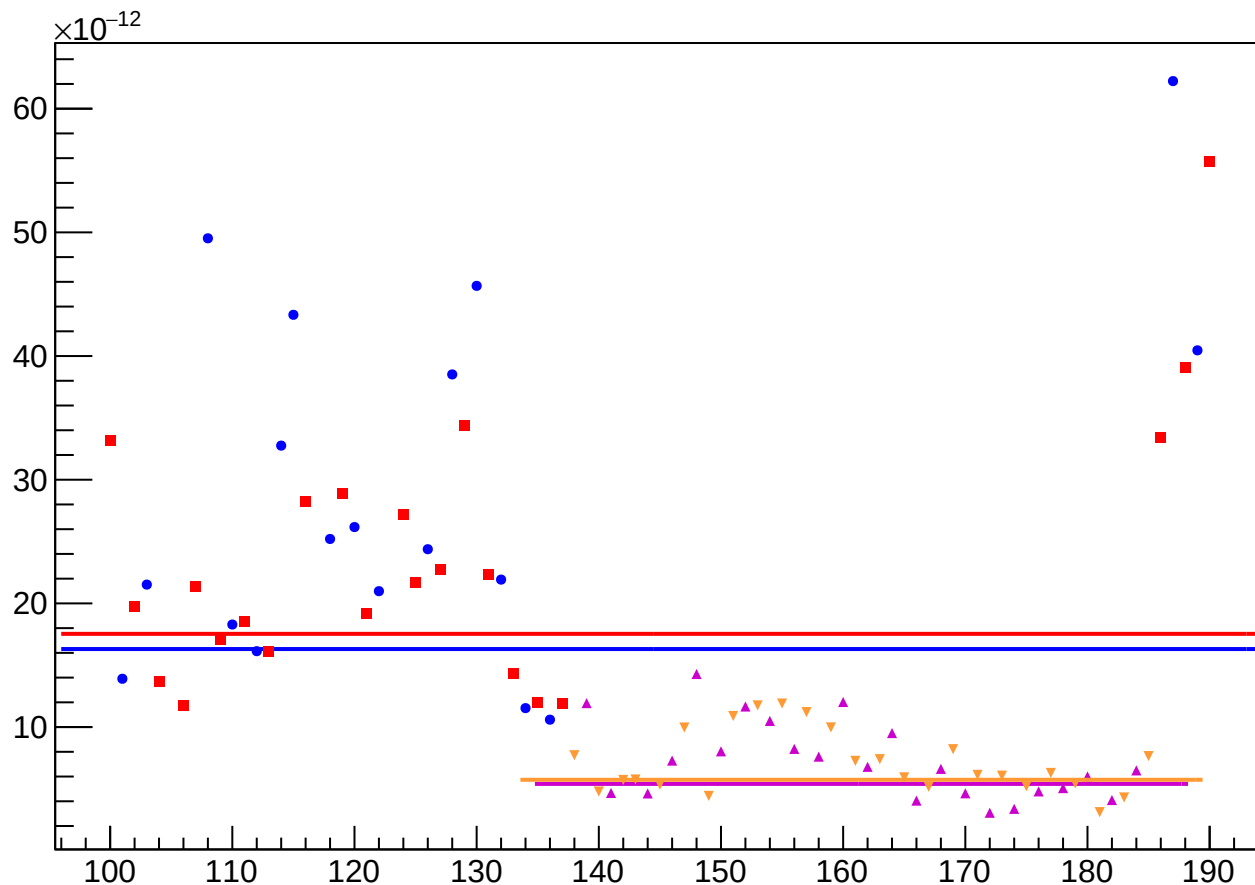
Left In: 0.000 ± 0.000 χ^2/NDF : 16.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 60.3/42

All: -0.000 ± 0.000 χ^2/NDF : 108.6/87

- sign 0.000 ± 0.000 χ^2/NDF : 44.9/44

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2102531.5/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1375373.2/21

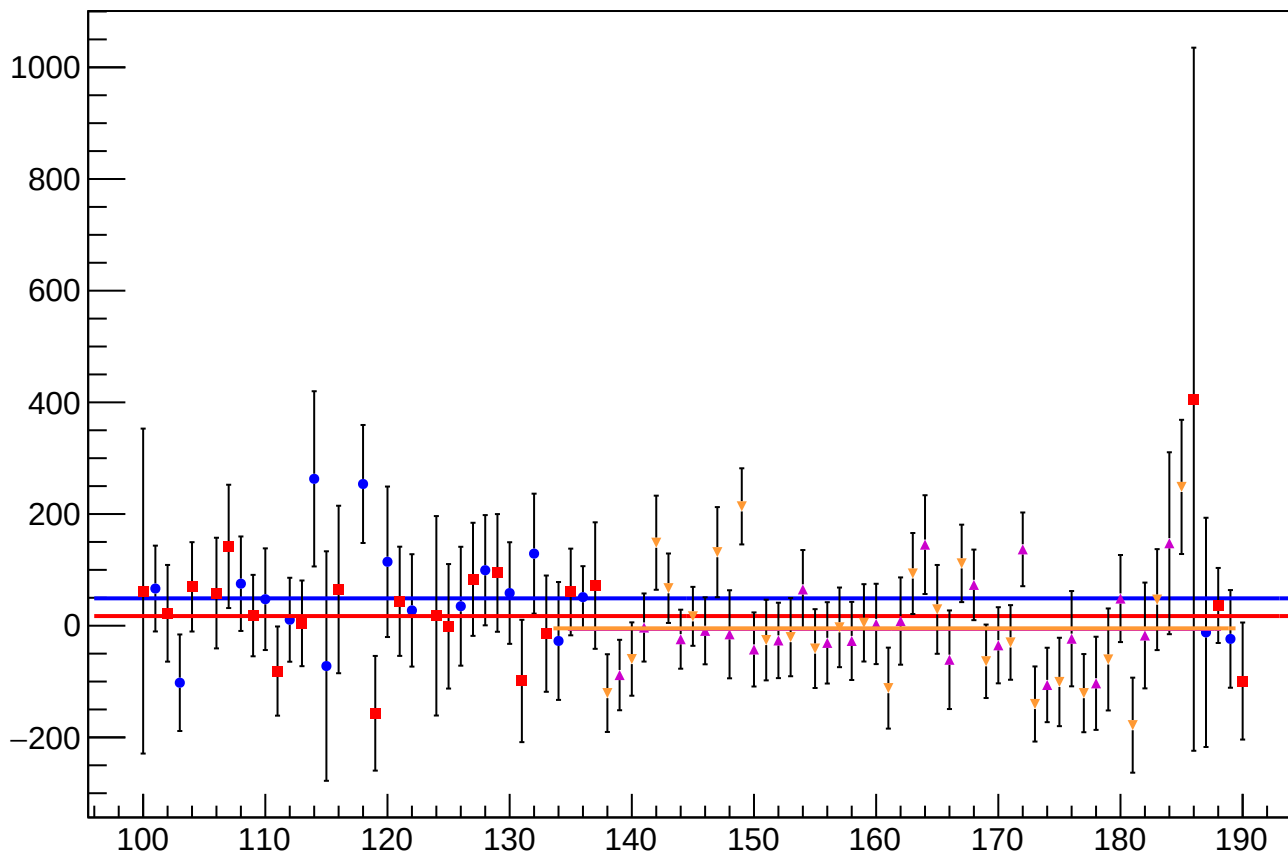
Left In: 0.000+/-0.000 χ^2/NDF : 3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 8319547.3/42

All: 0.000+/-0.000 χ^2/NDF : 17833402.5/87

- sign 0.000+/-0.000 χ^2/NDF : 9488030.5/44

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 49.003 ± 22.273 χ^2/NDF : 11.9/17

Left Out: -4.742 ± 14.432 χ^2/NDF : 47.4/24

Right Out: 17.266 ± 20.952 χ^2/NDF : 10.9/21

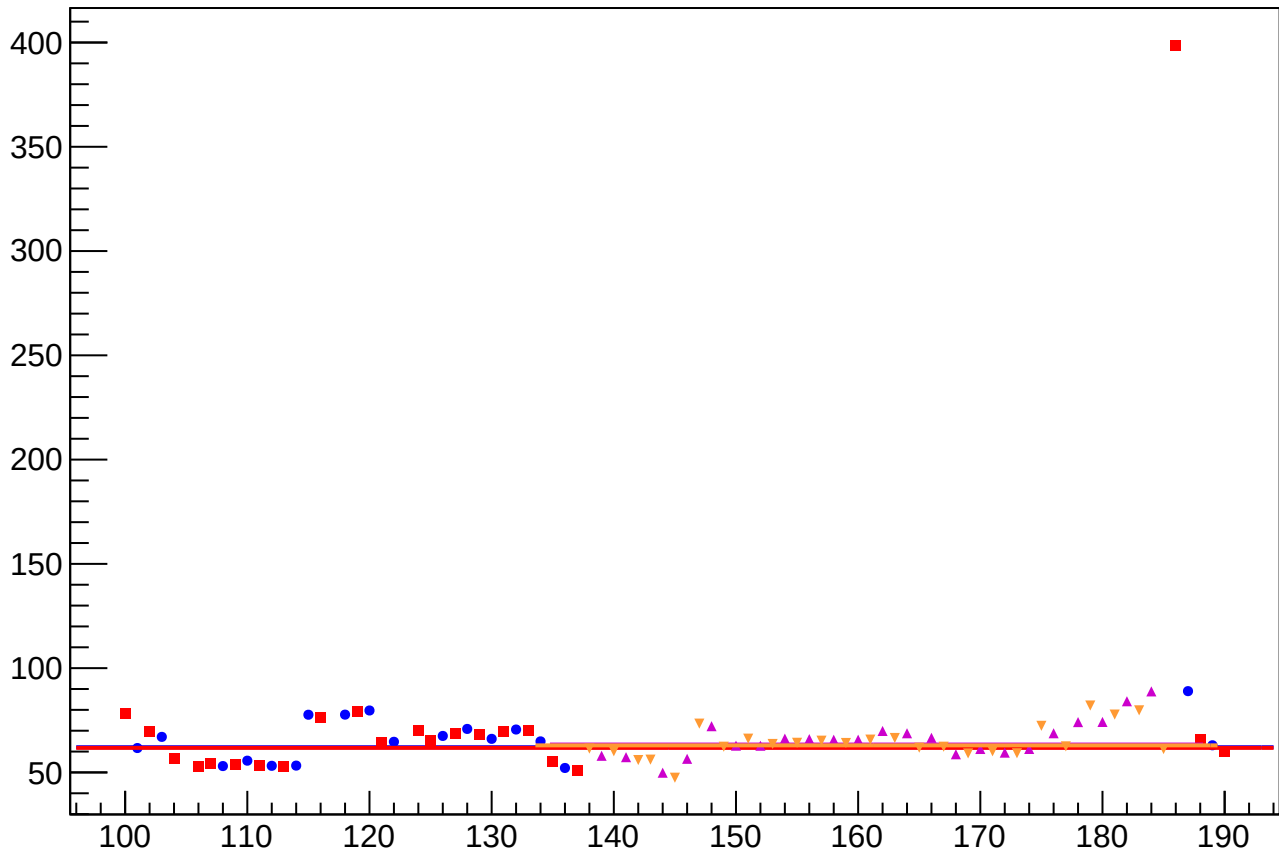
Left In: -5.776 ± 14.931 χ^2/NDF : 18.3/22

+ sign 11.150 ± 12.111 χ^2/NDF : 63.3/42

All: 6.585 ± 8.581 χ^2/NDF : 93.6/87

- sign 1.984 ± 12.159 χ^2/NDF : 30.0/44

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.082 $\pm$ 0.016 χ^2 /NDF: 302293.8/17

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 61.783 $\pm$ 0.015 χ^2 /NDF: 866516.1/21

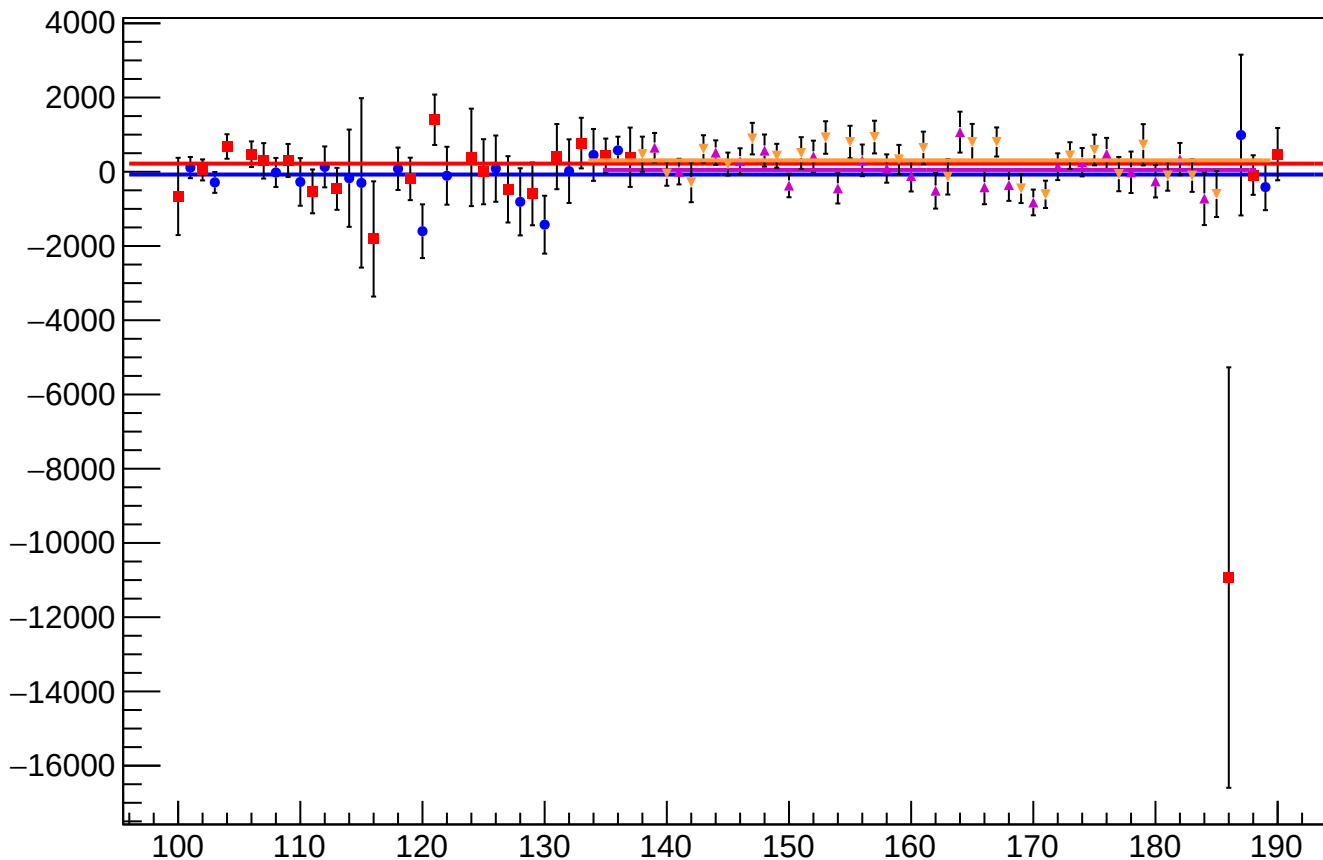
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.712 $\pm$ 0.009 χ^2 /NDF: 831426.0/42

All: 62.772 $\pm$ 0.006 χ^2 /NDF: 2202533.3/87

- sign 62.832 $\pm$ 0.009 χ^2 /NDF: 1371008.2/44

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: -74.749 ± 126.722 χ^2/NDF : 13.7/17

Left Out: 307.183 ± 82.361 χ^2/NDF : 30.6/24

Right Out: 219.429 ± 117.948 χ^2/NDF : 18.9/21

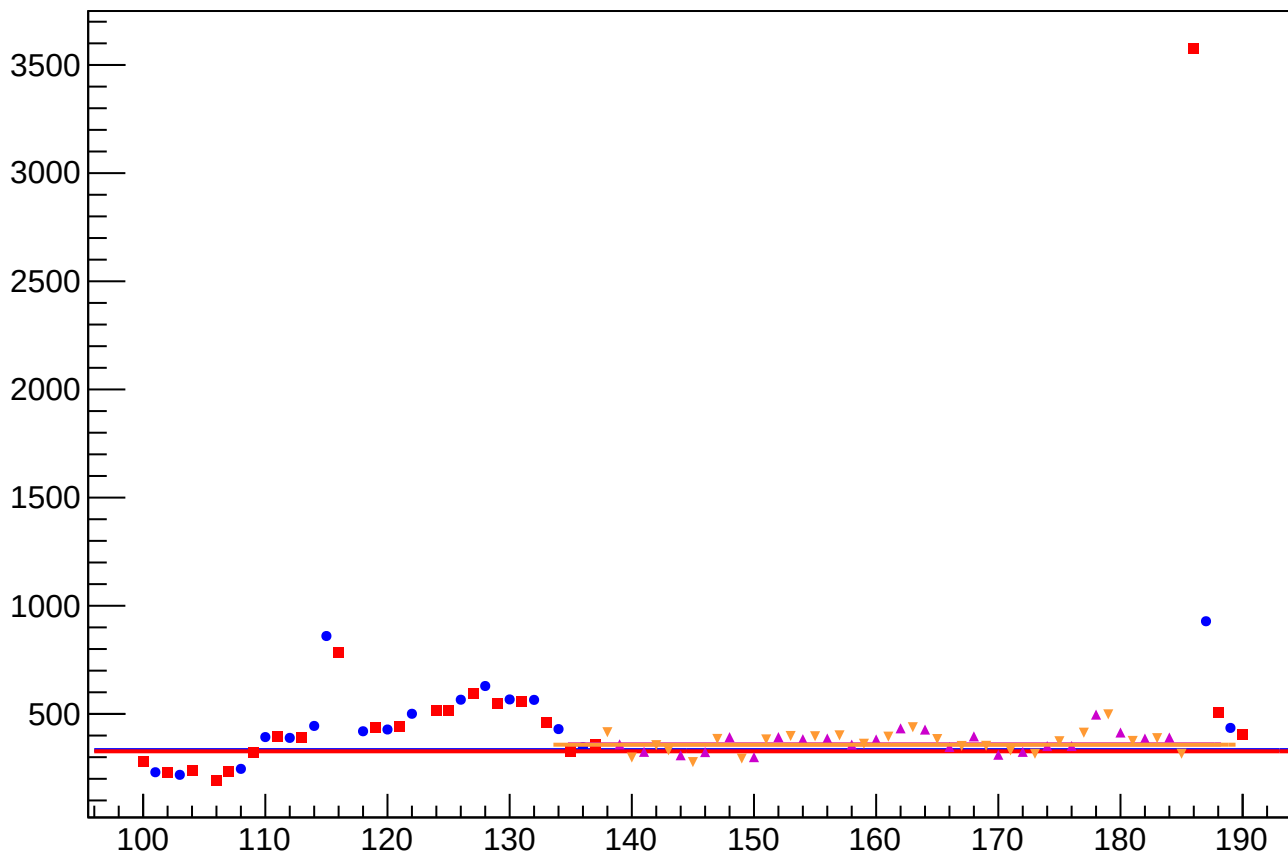
Left In: 50.030 ± 84.838 χ^2/NDF : 27.3/22

+ sign 193.760 ± 69.057 χ^2/NDF : 50.8/42

All: 150.660 ± 48.765 χ^2/NDF : 99.0/87

- sign 107.790 ± 68.872 χ^2/NDF : 47.5/44

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 332.750+/-0.090 χ^2/NDF : 1944990.5/17

Left Out: 357.731+/-0.058 χ^2/NDF :683730.4/24

+ sign 350.313+/-0.049 χ^2/NDF : 2683362.5/42

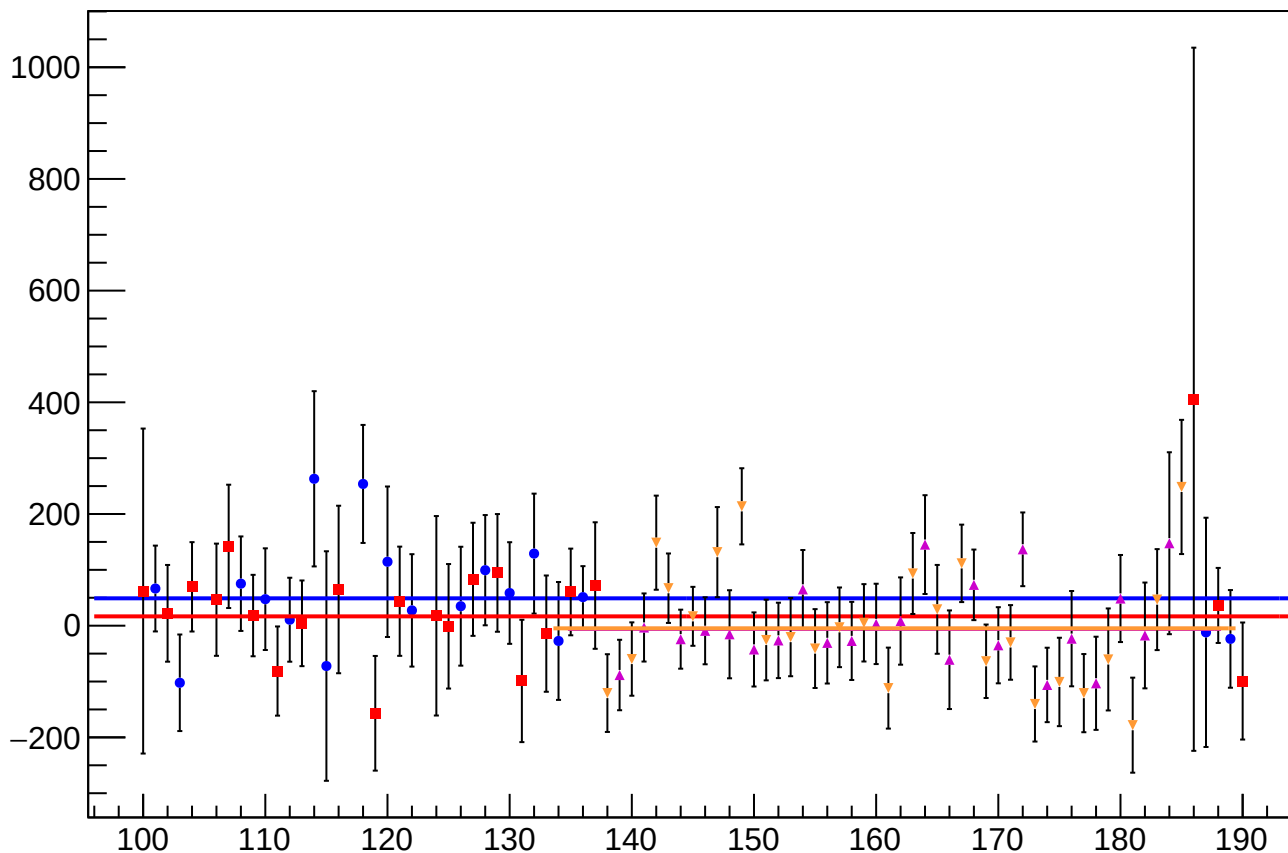
Right Out: 327.160 ± 0.083 χ^2/NDF : 2725301.6/21

All: 349.341 ± 0.034 χ^2/NDF : 6027387.1/87

- sign 348.374+/-0.049 χ^2/NDF : 3343234.6/44

Left In: 359.350+/-0.060 χ^2/NDF :519759.9/22

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 48.997 ± 22.273 $\chi^2/\text{NDF}: 11.9/17$

Left Out: -4.748 ± 14.432 $\chi^2/\text{NDF}: 47.4/24$

Right Out: 16.687 ± 20.965 $\chi^2/\text{NDF}: 10.9/21$

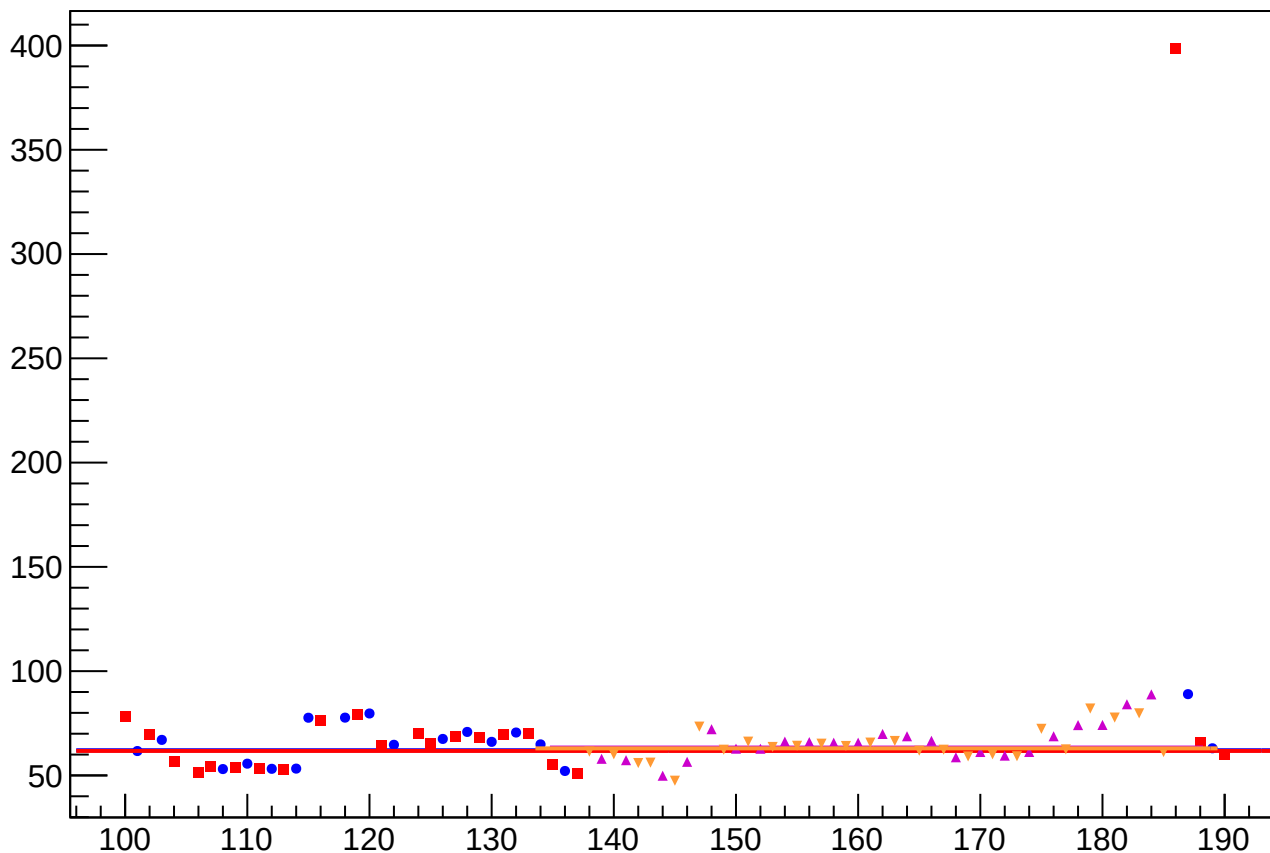
Left In: -5.775 ± 14.931 $\chi^2/\text{NDF}: 18.3/22$

+ sign 11.144 ± 12.111 $\chi^2/\text{NDF}: 63.3/42$

All: 6.483 ± 8.582 $\chi^2/\text{NDF}: 93.5/87$

- sign 1.783 ± 12.162 $\chi^2/\text{NDF}: 29.9/44$

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.082 +/- 0.016 χ^2/NDF : 302294.0/17

Left Out: 62.976 +/- 0.010 χ^2/NDF : 526859.8/24

Right Out: 61.749 +/- 0.015 χ^2/NDF : 870171.1/21

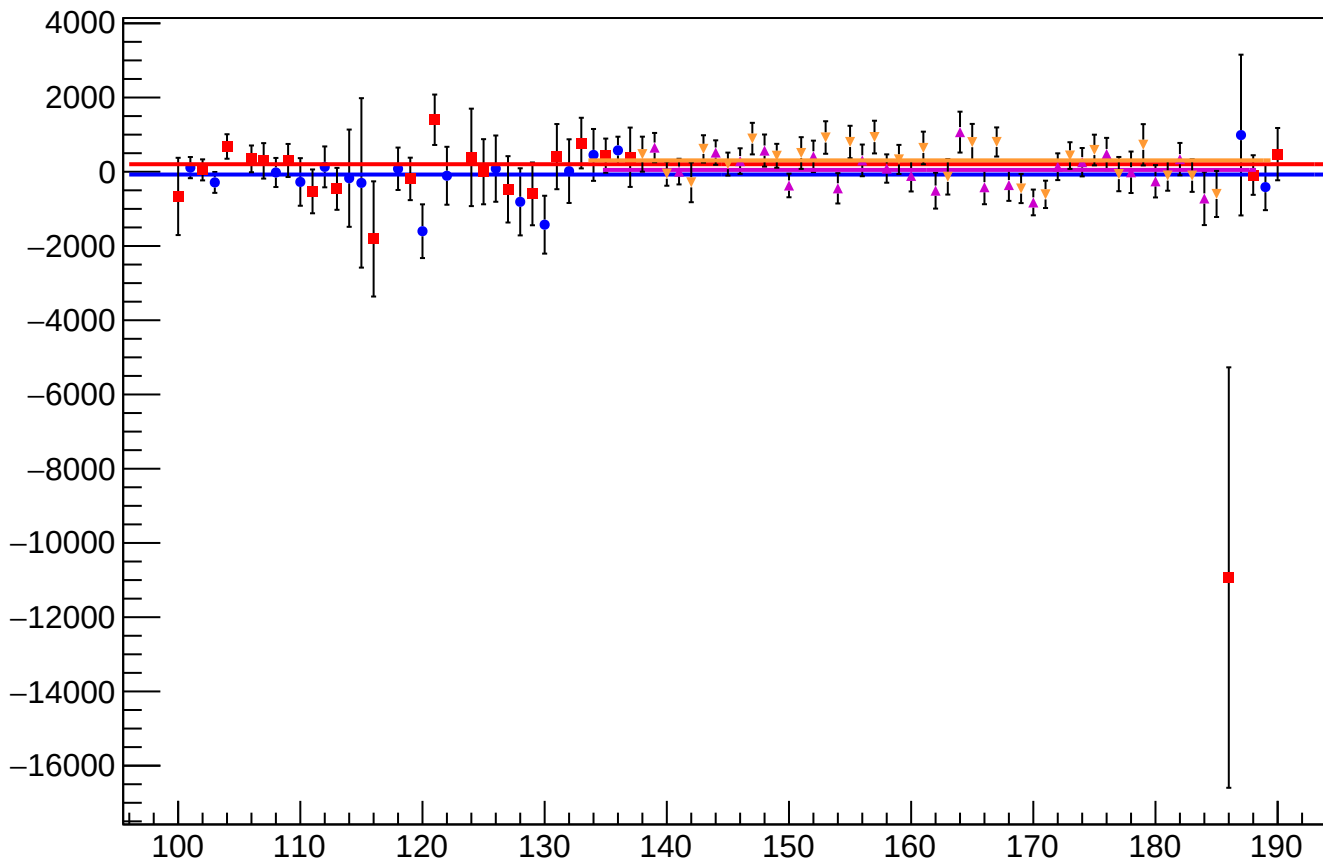
Left In: 63.365 +/- 0.011 χ^2/NDF : 496926.2/22

+ sign 62.712 +/- 0.009 χ^2/NDF : 831426.2/42

All: 62.766 +/- 0.006 χ^2/NDF : 2206494.7/87

- sign 62.821 +/- 0.009 χ^2/NDF : 1374986.7/44

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: -74.736 ± 126.723 χ^2/NDF : 13.7/17

Left Out: 307.177 ± 82.361 χ^2/NDF : 30.6/24

Right Out: 203.340 ± 118.568 χ^2/NDF : 18.4/21

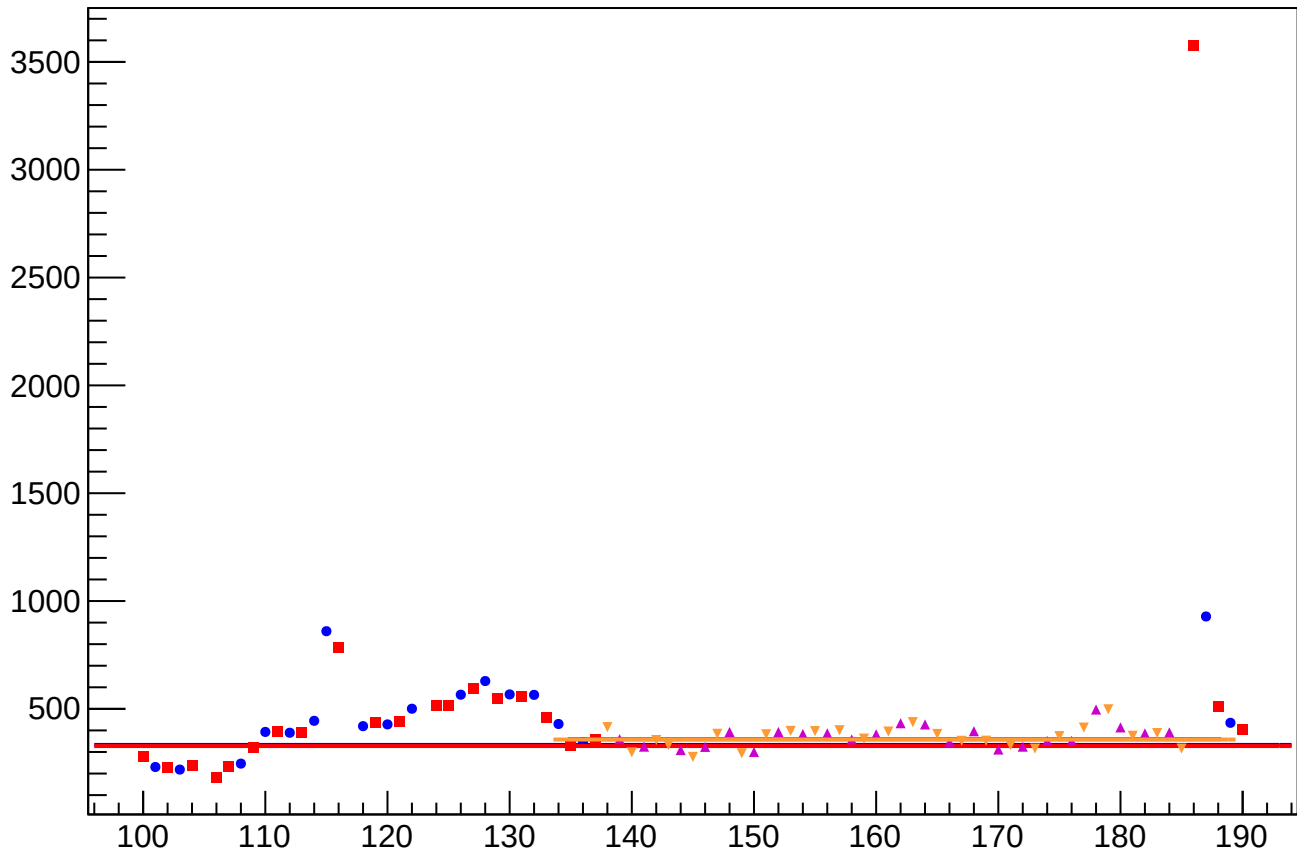
Left In: 50.029 ± 84.838 χ^2/NDF : 27.3/22

+ sign 193.760 ± 69.057 χ^2/NDF : 50.8/42

All: 147.810 ± 48.809 χ^2/NDF : 98.5/87

- sign 101.942 ± 68.995 χ^2/NDF : 46.8/44

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 332.753+/-0.090 χ^2/NDF : 1944924.5/17

Left Out: 357.732+/-0.058 χ^2/NDF : 683726.4/24

+ sign 350.314+/-0.049 χ^2/NDF : 2683280.2/42

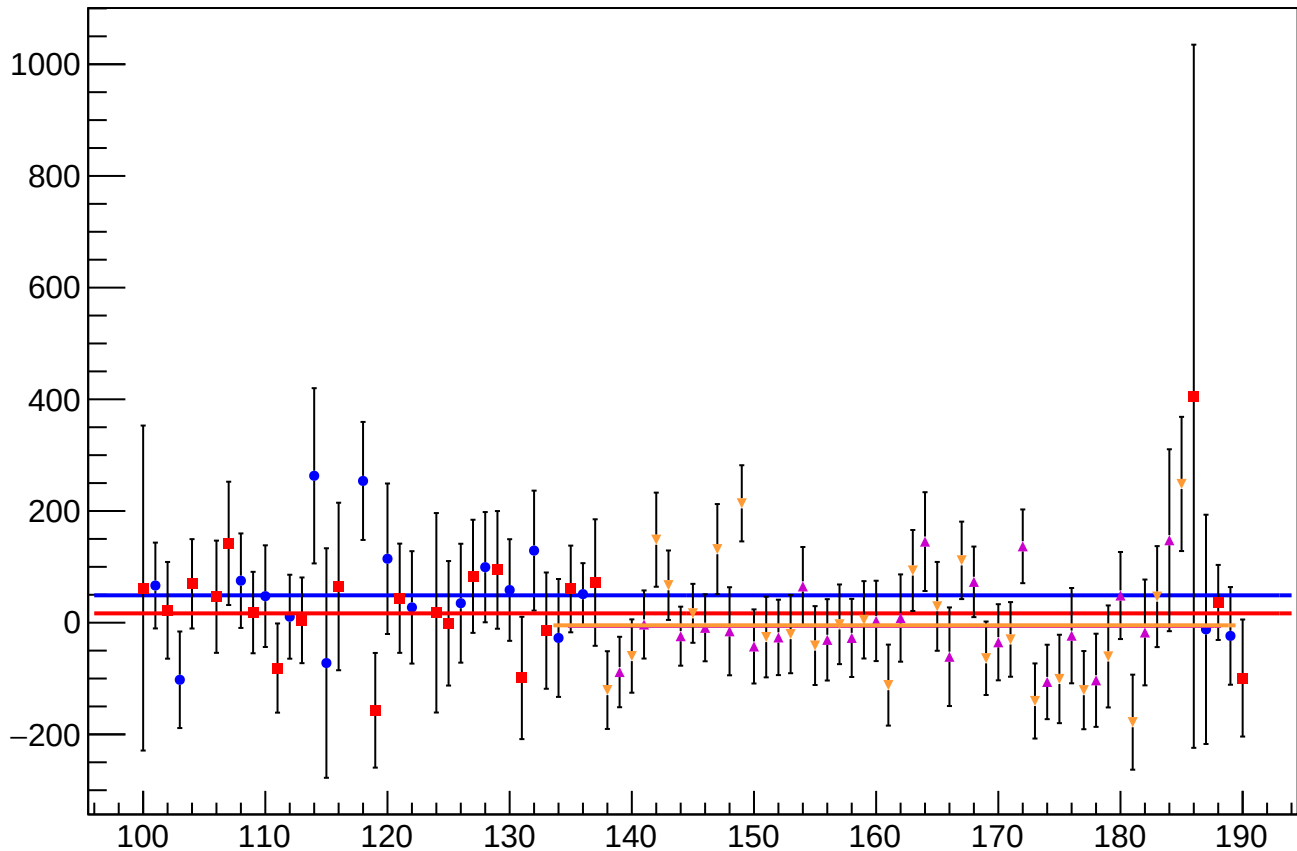
Right Out: 327.477+/-0.084 χ^2/NDF : 2742782.2/21

All: 349.435+/-0.035 χ^2/NDF : 6042062.1/87

Left In: 359.350+/-0.060 χ^2/NDF : 519762.7/22

- sign 348.557+/-0.049 χ^2/NDF : 3358134.4/44

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 48.997 ± 22.273 $\chi^2/\text{NDF}: 11.9/17$

Left Out: -4.748 ± 14.432 $\chi^2/\text{NDF}: 47.4/24$

Right Out: 16.687 ± 20.965 $\chi^2/\text{NDF}: 10.9/21$

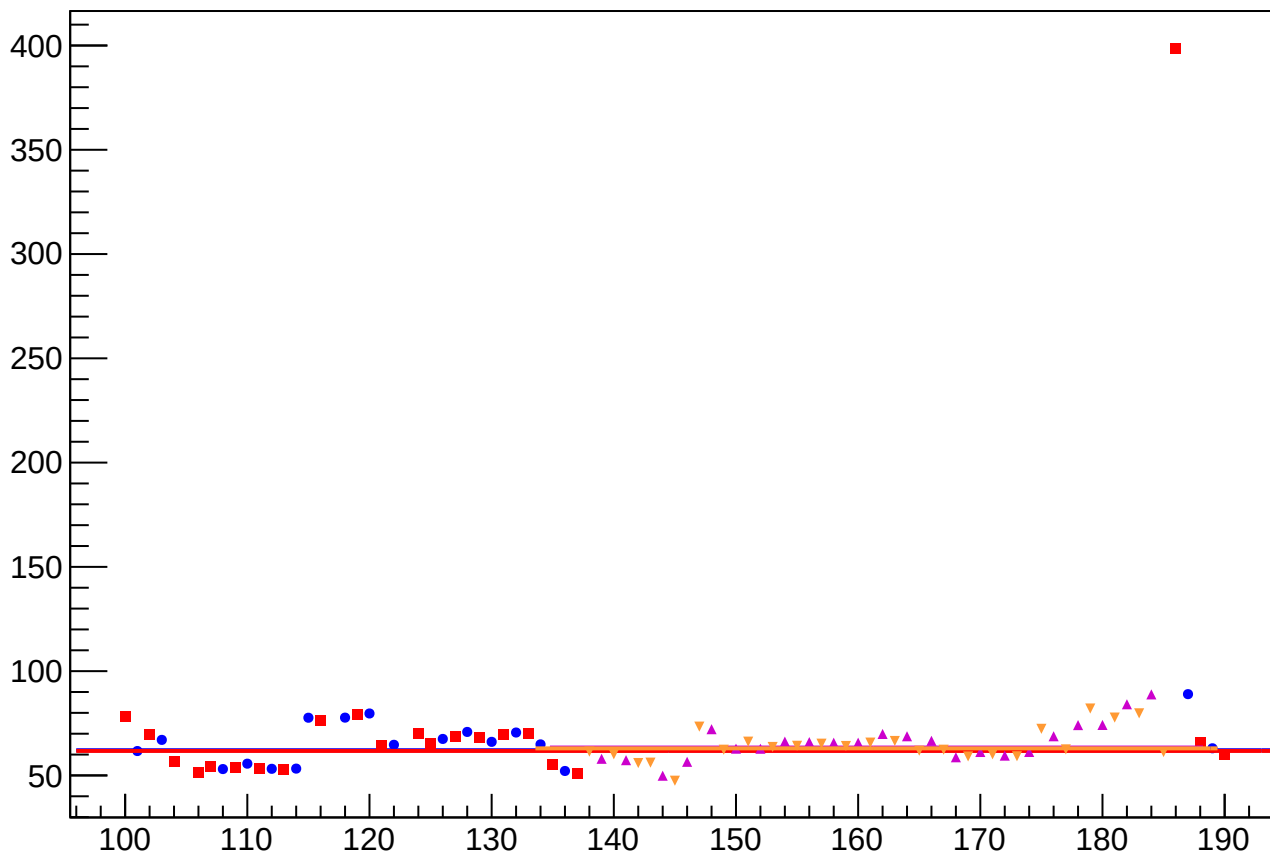
Left In: -5.775 ± 14.931 $\chi^2/\text{NDF}: 18.3/22$

+ sign 11.144 ± 12.111 $\chi^2/\text{NDF}: 63.3/42$

All: 6.483 ± 8.582 $\chi^2/\text{NDF}: 93.5/87$

- sign 1.783 ± 12.162 $\chi^2/\text{NDF}: 29.9/44$

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.082 $\pm$ 0.016 χ^2 /NDF: 302294.0/17

Left Out: 62.976 $\pm$ 0.010 χ^2 /NDF: 526859.8/24

Right Out: 61.749 $\pm$ 0.015 χ^2 /NDF: 870171.1/21

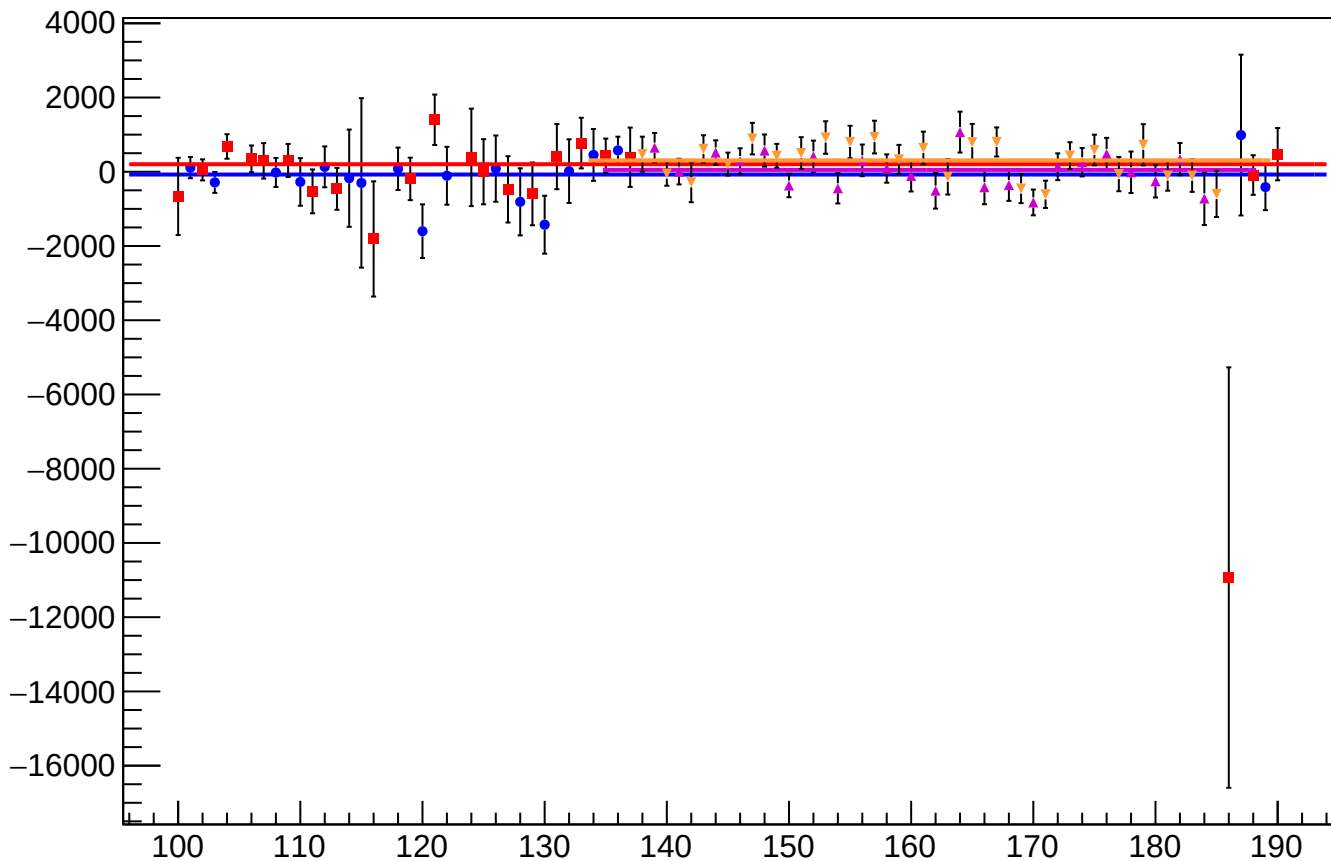
Left In: 63.365 $\pm$ 0.011 χ^2 /NDF: 496926.2/22

+ sign 62.712 $\pm$ 0.009 χ^2 /NDF: 831426.2/42

All: 62.766 $\pm$ 0.006 χ^2 /NDF: 2206494.7/87

- sign 62.821 $\pm$ 0.009 χ^2 /NDF: 1374986.7/44

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug



Right In: -74.736 ± 126.723 χ^2/NDF : 13.7/17

Left Out: 307.177 ± 82.361 χ^2/NDF : 30.6/24

Right Out: 203.340 ± 118.568 χ^2/NDF : 18.4/21

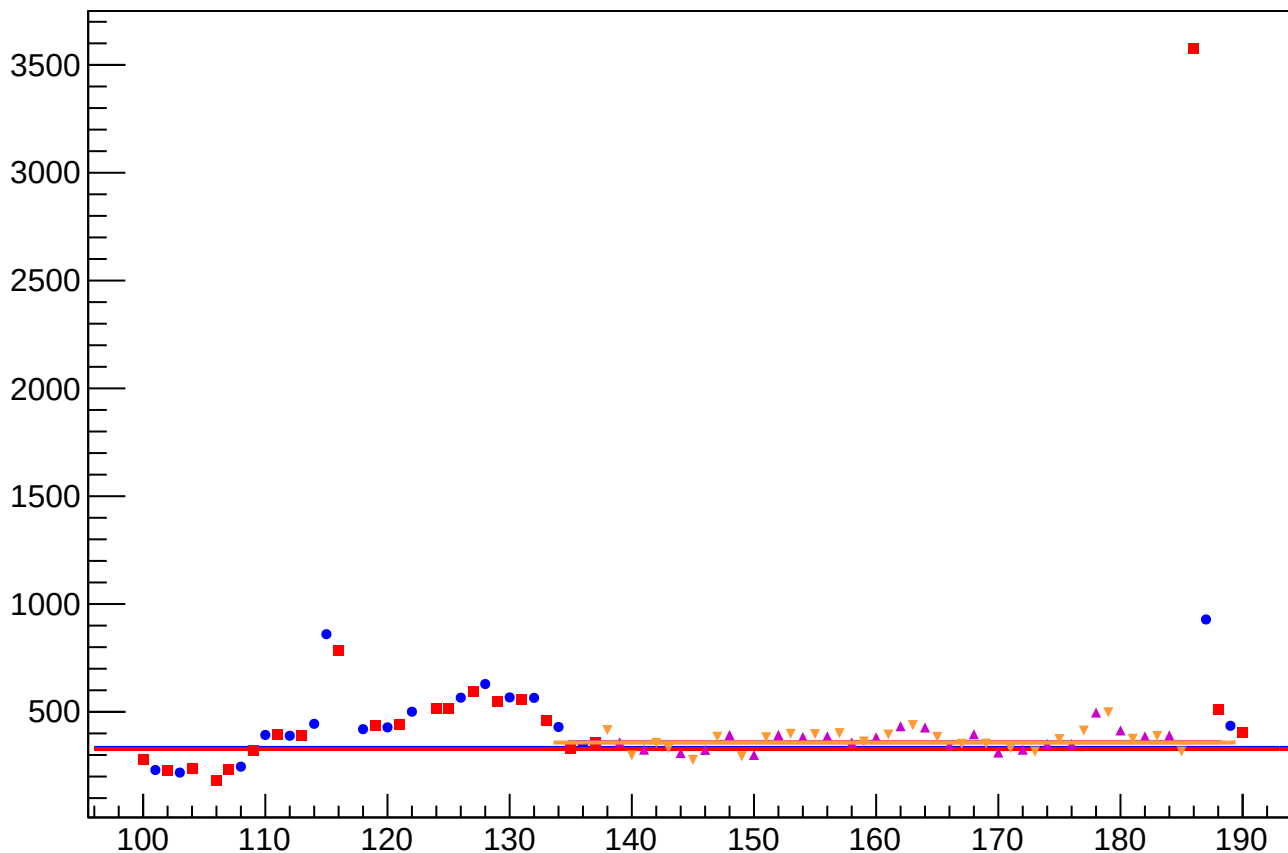
Left In: 50.029 ± 84.838 χ^2/NDF : 27.3/22

+ sign 193.760 ± 69.057 χ^2/NDF : 50.8/42

All: 147.810 ± 48.809 χ^2/NDF : 98.5/87

- sign 101.942 ± 68.995 χ^2/NDF : 46.8/44

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug



Right In: 332.753+/-0.090 χ^2/NDF : 1944924.5/17

Left Out: 357.732+/-0.058 χ^2/NDF : 683726.4/24

Right Out: 327.477+/-0.084 χ^2/NDF : 2742782.2/21

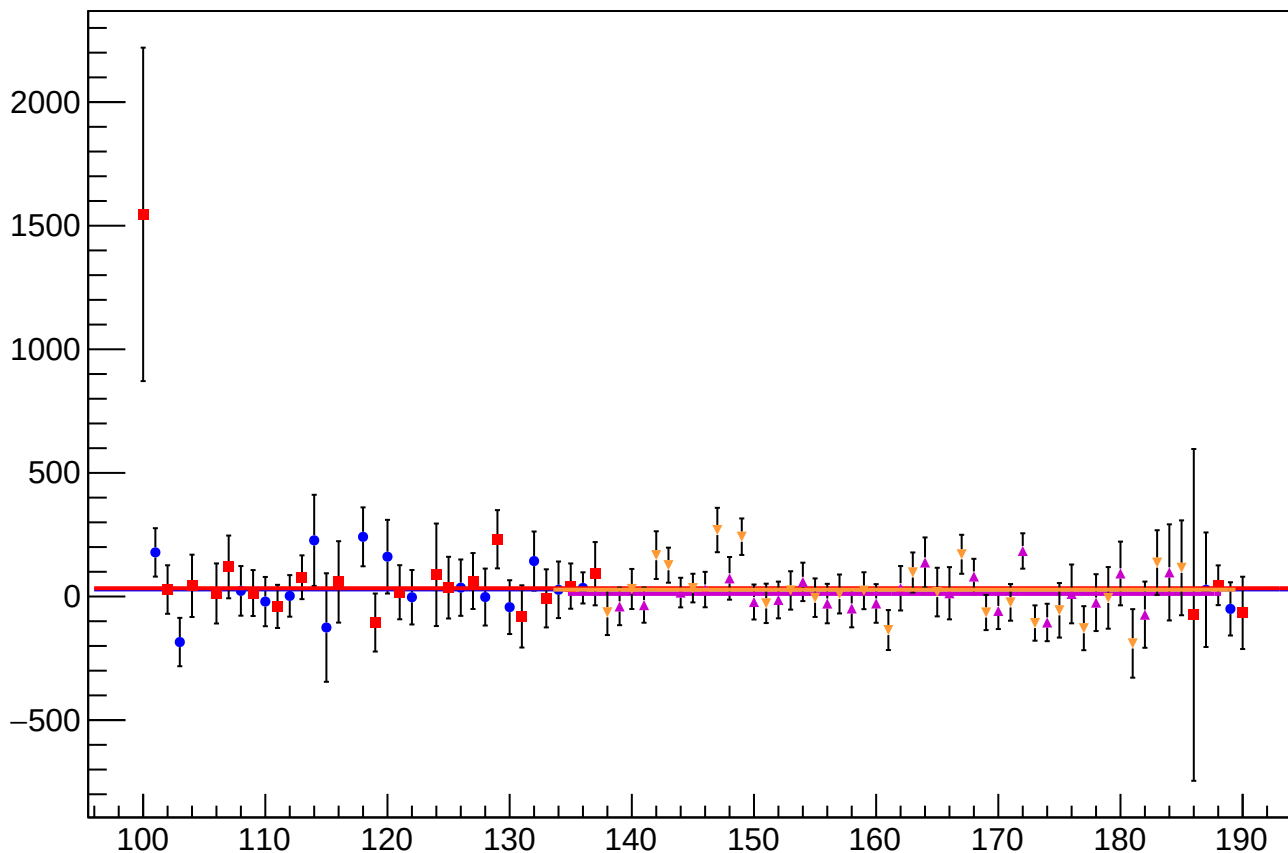
Left In: 359.350+/-0.060 χ^2/NDF : 519762.7/22

+ sign 350.314+/-0.049 χ^2/NDF : 2683280.2/42

All: 349.435+/-0.035 χ^2/NDF : 6042062.1/87

- sign 348.557+/-0.049 χ^2/NDF : 3358134.4/44

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 28.642 ± 25.498 χ^2/NDF : 15.1/17

Left Out: 27.627 ± 16.742 χ^2/NDF : 42.4/24

Right Out: 33.439 ± 24.819 χ^2/NDF : 12.6/21

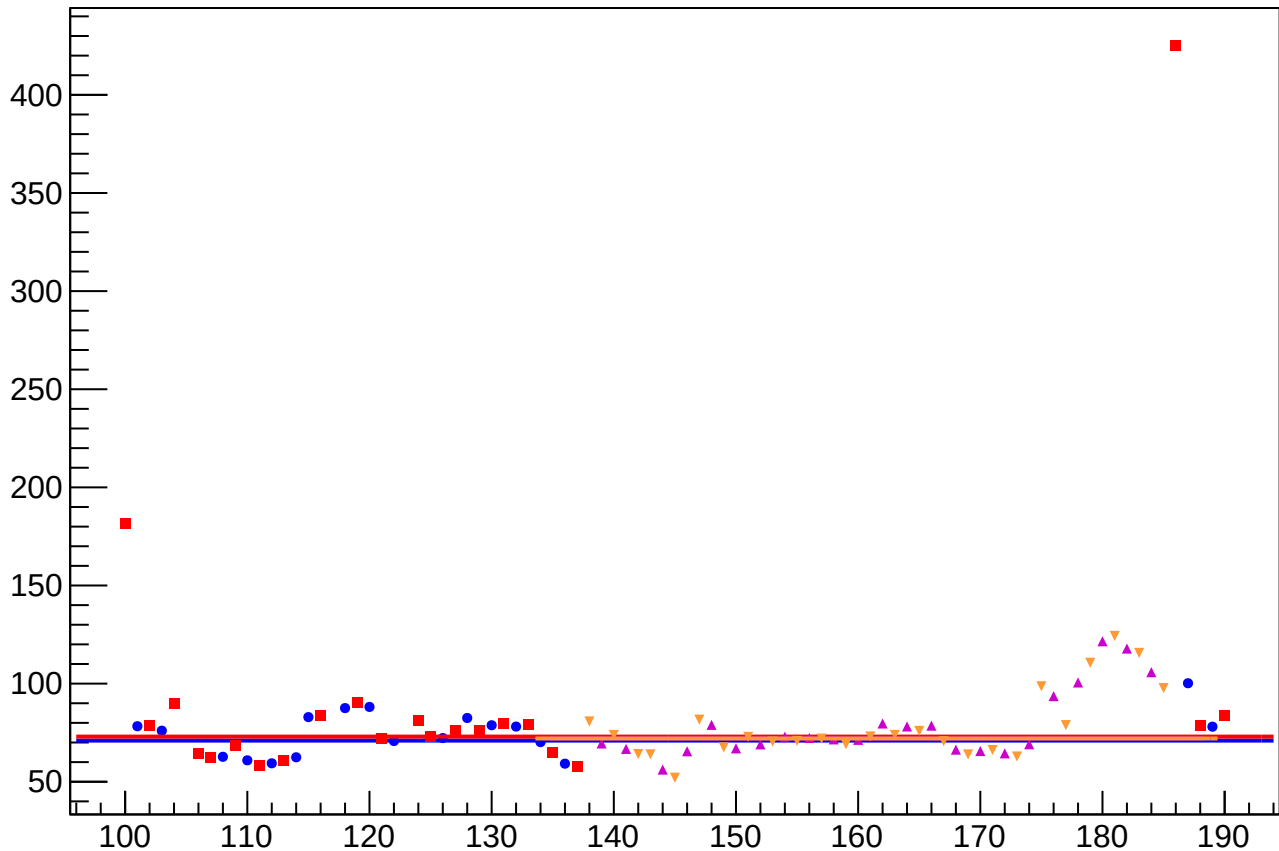
Left In: 10.521 ± 17.225 χ^2/NDF : 16.1/22

+ sign 27.933 ± 13.995 χ^2/NDF : 57.5/42

All: 23.007 ± 9.951 χ^2/NDF : 87.0/87

- sign 17.972 ± 14.151 χ^2/NDF : 29.3/44

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.974 $\pm$ 0.018 χ^2 /NDF: 311587.4/17

Left Out: 72.041 $\pm$ 0.012 χ^2 /NDF: 1269471.8/24

Right Out: 73.009 $\pm$ 0.018 χ^2 /NDF: 903501.0/21

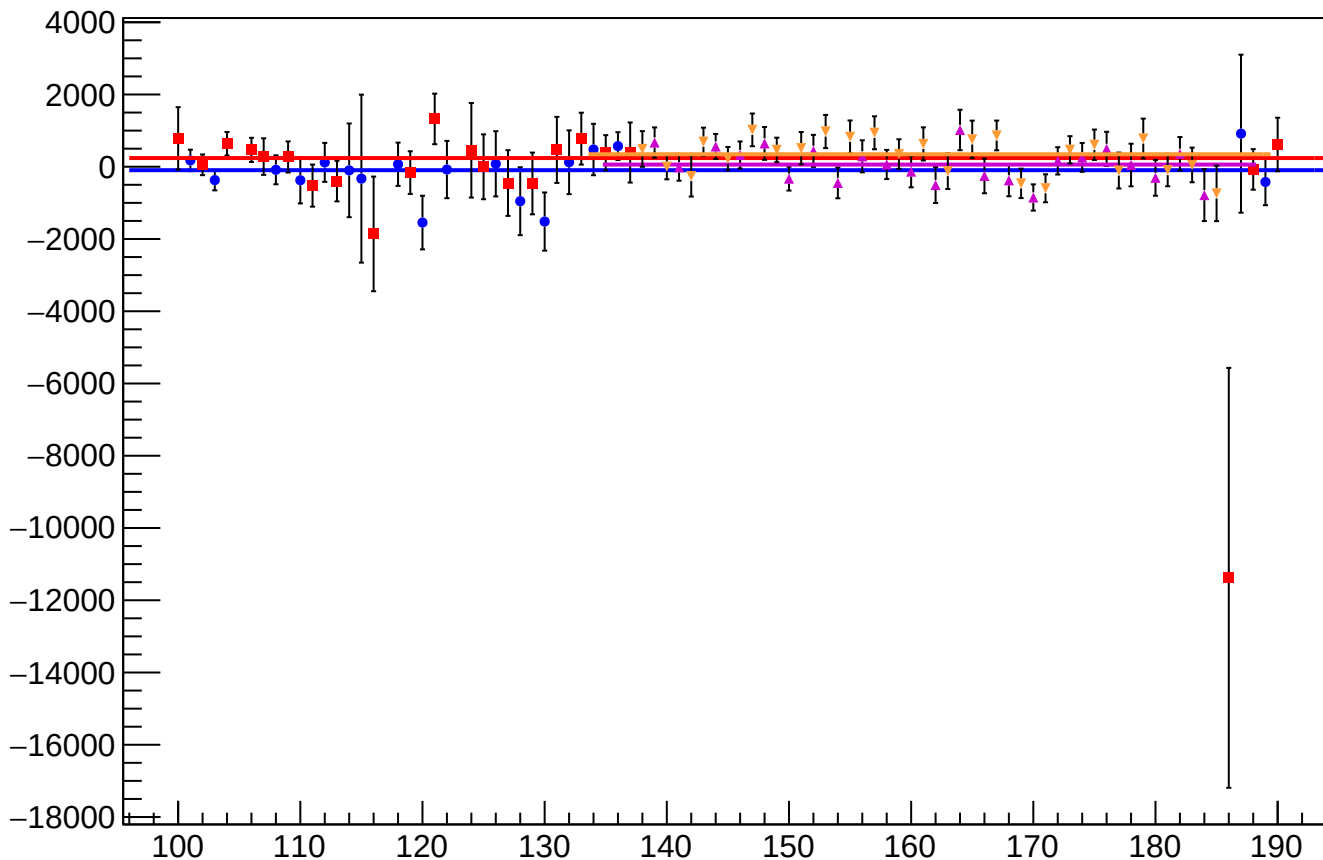
Left In: 72.092 $\pm$ 0.012 χ^2 /NDF: 1058857.2/22

+ sign 71.719 $\pm$ 0.010 χ^2 /NDF: 1583506.5/42

All: 72.051 $\pm$ 0.007 χ^2 /NDF: 3549982.5/87

- sign 72.390 $\pm$ 0.010 χ^2 /NDF: 1964202.0/44

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -95.392 ± 129.897 χ^2/NDF : 14.2/17

Left Out: 345.973 ± 86.822 χ^2/NDF : 28.9/24

Right Out: 240.463 ± 118.843 χ^2/NDF : 17.1/21

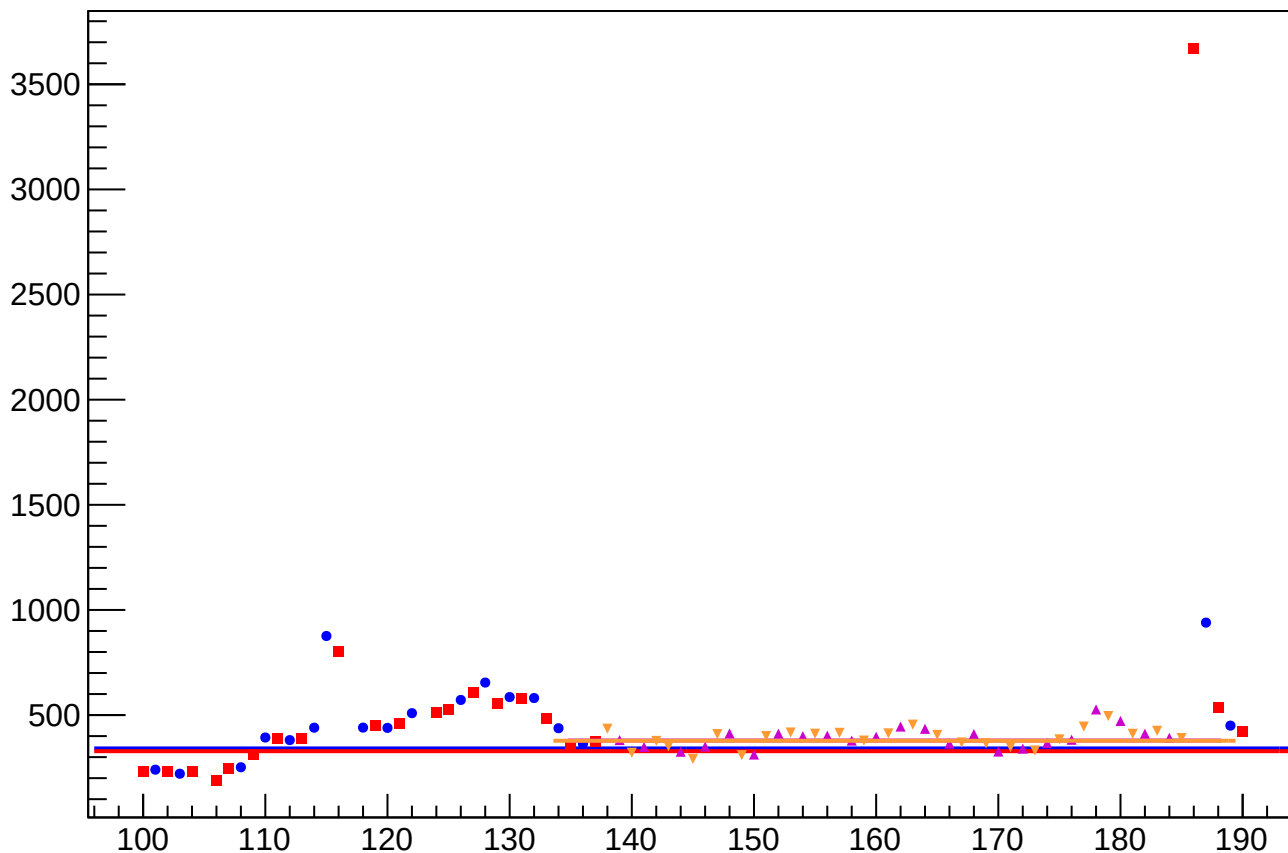
Left In: 59.908 ± 89.411 χ^2/NDF : 25.8/22

+ sign 209.682 ± 72.183 χ^2/NDF : 51.1/42

All: 166.993 ± 50.779 χ^2/NDF : 96.2/87

- sign 125.168 ± 71.448 χ^2/NDF : 44.4/44

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 341.276 $\pm$ 0.092 χ^2 /NDF: 1942656.6/17

Left Out: 377.797 $\pm$ 0.061 χ^2 /NDF: 636714.9/24

Right Out: 328.239 $\pm$ 0.084 χ^2 /NDF: 2904686.8/21

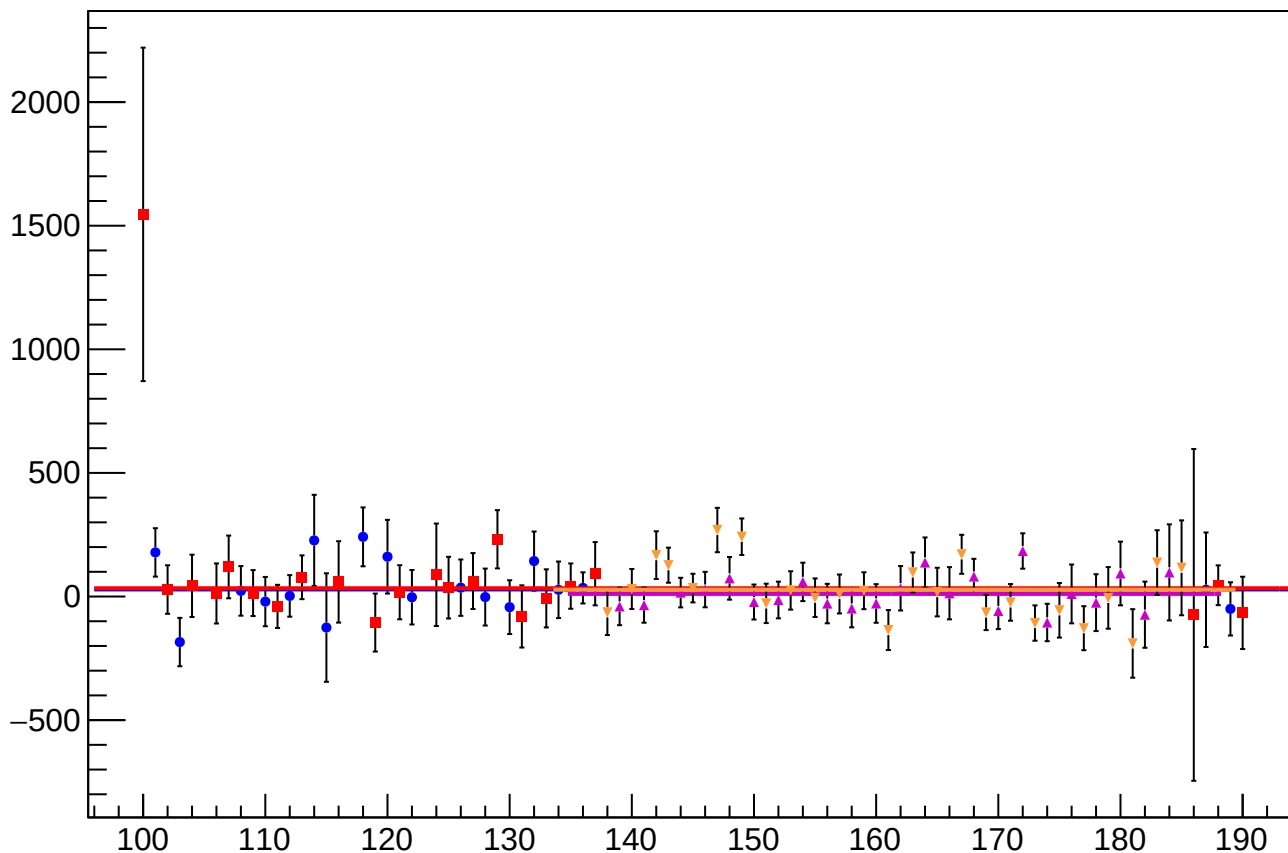
Left In: 378.869 $\pm$ 0.063 χ^2 /NDF: 527685.1/22

+ sign 366.519 $\pm$ 0.051 χ^2 /NDF: 2688644.7/42

All: 363.514 $\pm$ 0.036 χ^2 /NDF: 6359675.7/87

- sign 360.569 $\pm$ 0.051 χ^2 /NDF: 3664167.0/44

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 28.641 ± 25.498 χ^2/NDF : 15.1/17

Left Out: 27.626 ± 16.742 χ^2/NDF : 42.4/24

Right Out: 33.440 ± 24.819 χ^2/NDF : 12.6/21

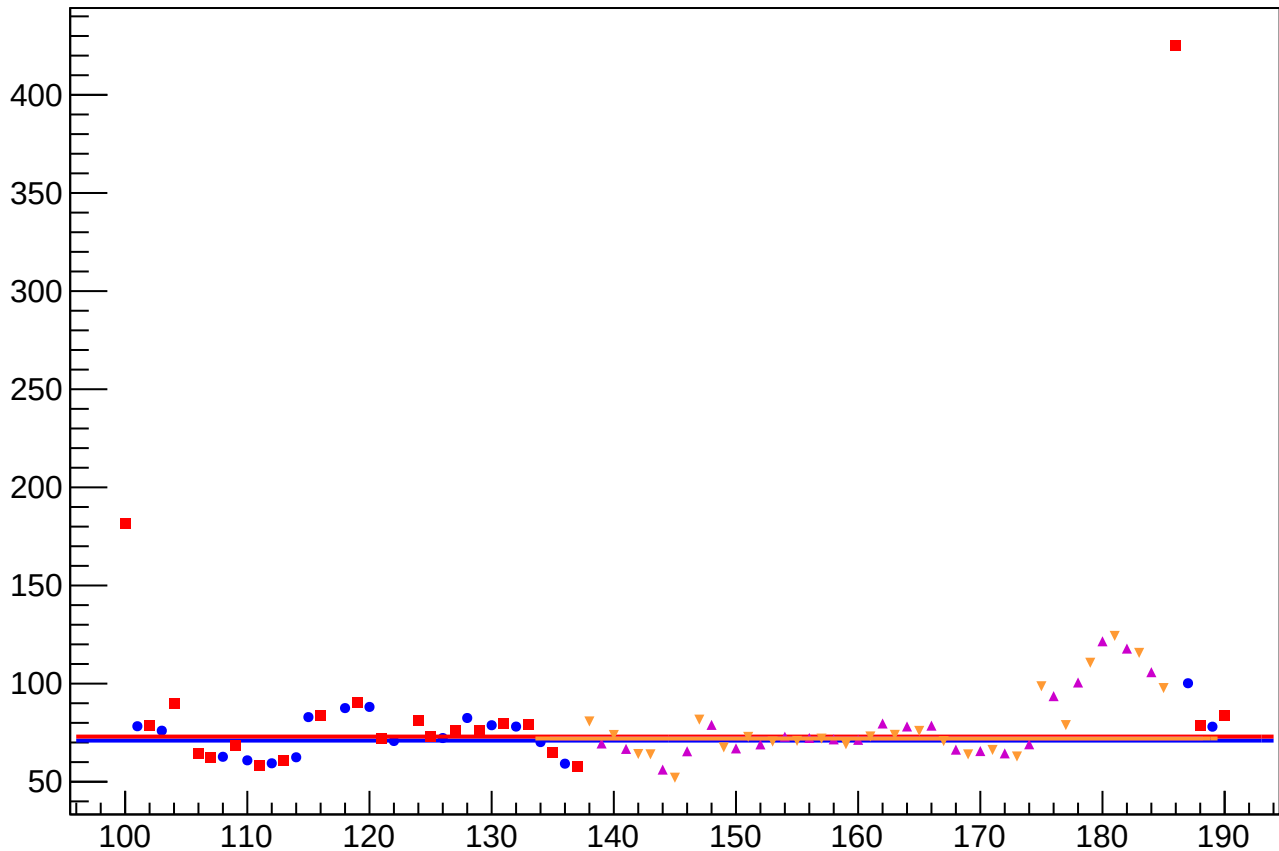
Left In: 10.521 ± 17.225 χ^2/NDF : 16.1/22

+ sign 27.932 ± 13.995 χ^2/NDF : 57.5/42

All: 23.007 ± 9.951 χ^2/NDF : 87.0/87

- sign 17.972 ± 14.151 χ^2/NDF : 29.3/44

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.974 $\pm$ 0.018 χ^2 /NDF: 311588.3/17

Left Out: 72.041 $\pm$ 0.012 χ^2 /NDF: 1269479.1/24

Right Out: 73.009 $\pm$ 0.018 χ^2 /NDF: 903500.5/21

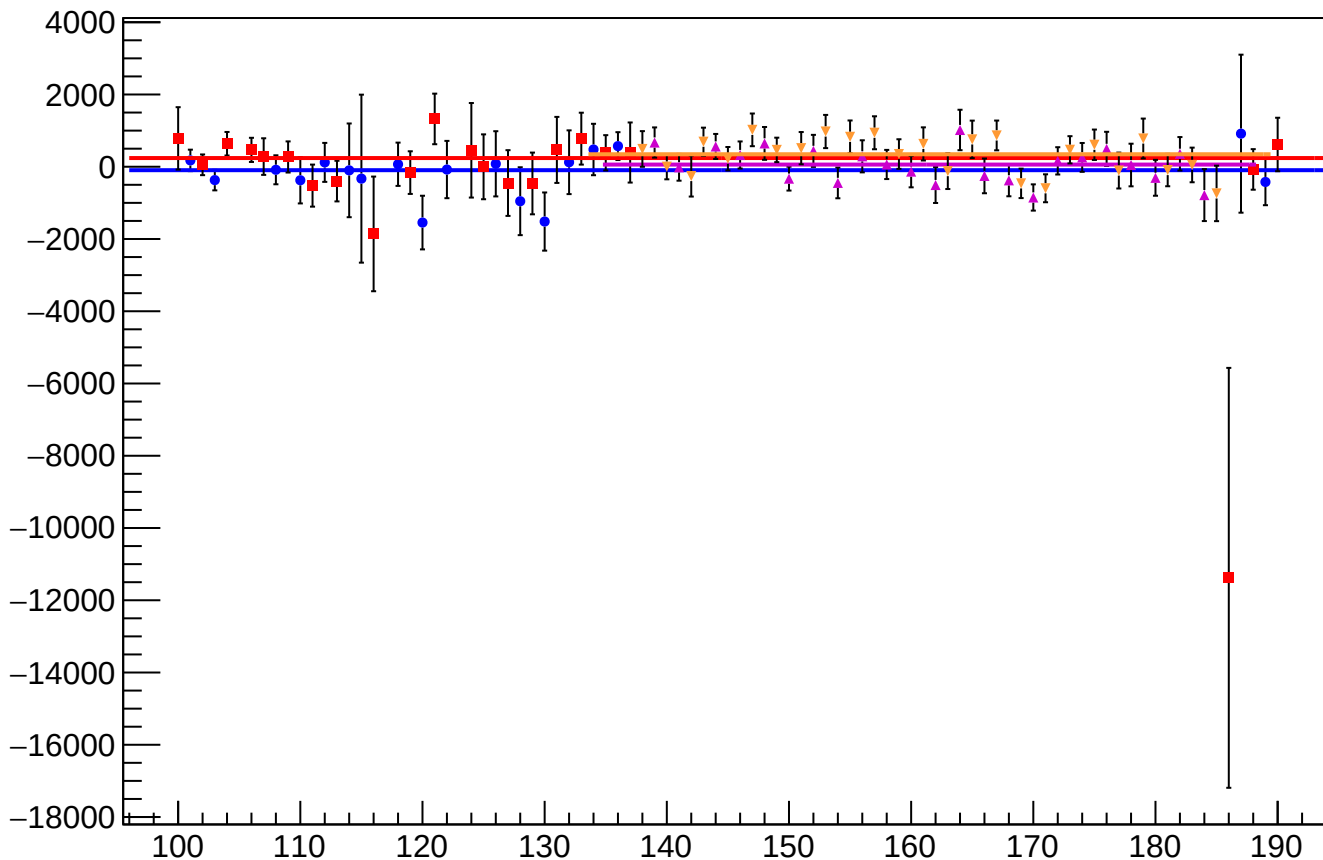
Left In: 72.092 $\pm$ 0.012 χ^2 /NDF: 1058847.4/22

+ sign 71.719 $\pm$ 0.010 χ^2 /NDF: 1583514.1/42

All: 72.051 $\pm$ 0.007 χ^2 /NDF: 3549979.8/87

- sign 72.390 $\pm$ 0.010 χ^2 /NDF: 1964191.9/44

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug



Right In: -95.393 ± 129.897 χ^2/NDF : 14.2/17

Left Out: 345.972 ± 86.822 χ^2/NDF : 28.9/24

Right Out: 240.463 ± 118.843 χ^2/NDF : 17.1/21

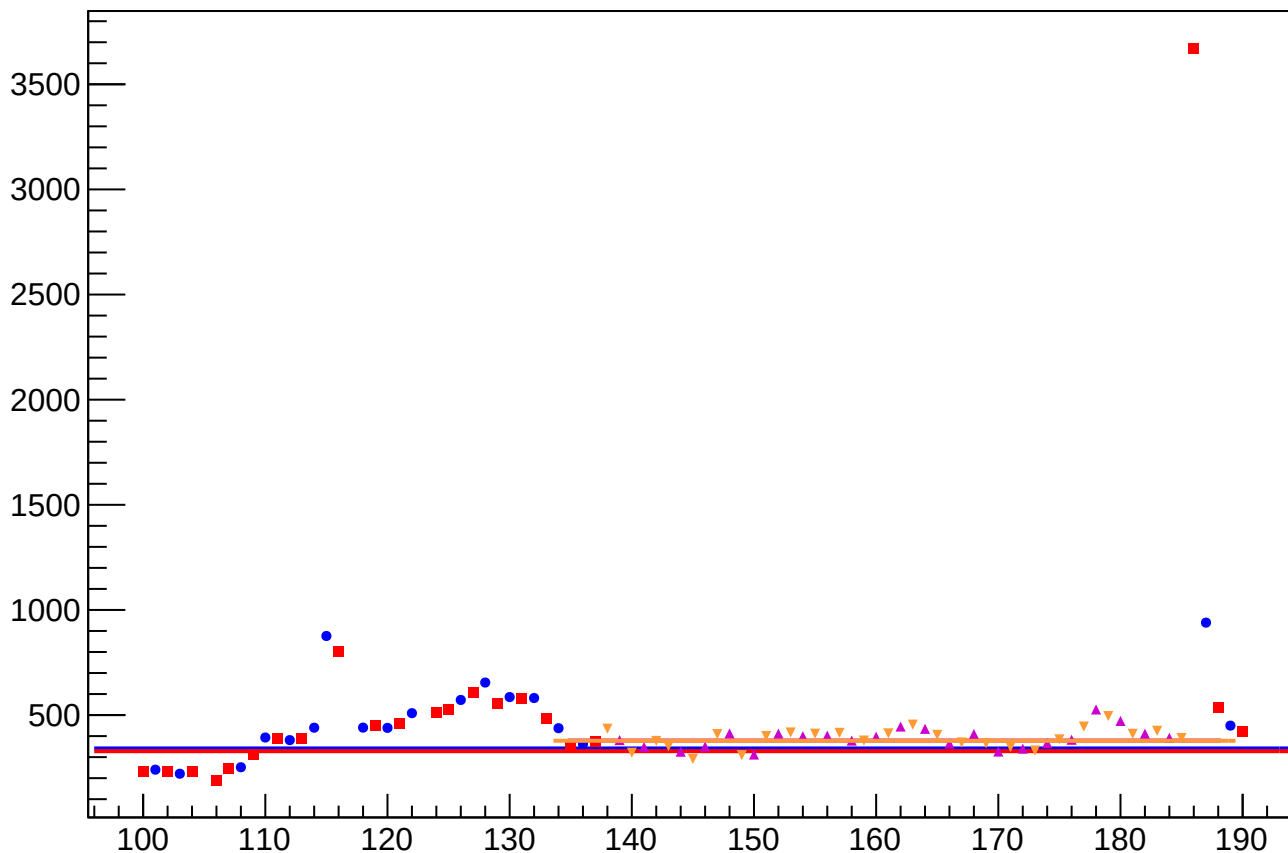
Left In: 59.907 ± 89.411 χ^2/NDF : 25.8/22

+ sign 209.681 ± 72.183 χ^2/NDF : 51.1/42

All: 166.992 ± 50.779 χ^2/NDF : 96.2/87

- sign 125.168 ± 71.448 χ^2/NDF : 44.4/44

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 341.276 $\pm$ 0.092 χ^2 /NDF: 1942653.0/17

Left Out: 377.796 $\pm$ 0.061 χ^2 /NDF: 636714.9/24

Right Out: 328.239 $\pm$ 0.084 χ^2 /NDF: 2904679.1/21

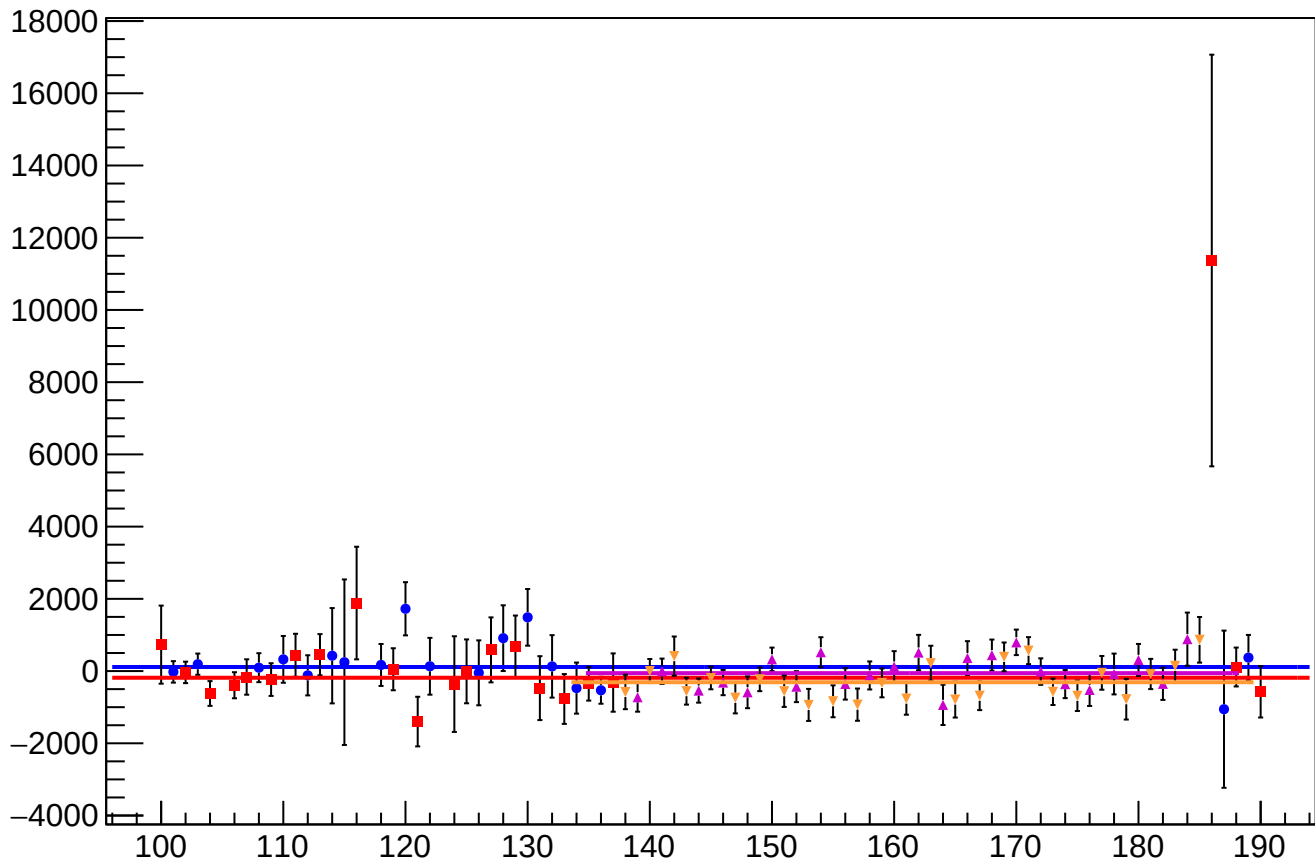
Left In: 378.869 $\pm$ 0.063 χ^2 /NDF: 527680.9/22

+ sign 366.519 $\pm$ 0.051 χ^2 /NDF: 2688638.2/42

All: 363.514 $\pm$ 0.036 χ^2 /NDF: 6359655.6/87

- sign 360.569 $\pm$ 0.051 χ^2 /NDF: 3664153.5/44

asym_sam_37_48_dd_mean vs Slug



Right In: 112.670 ± 129.926 $\chi^2/\text{NDF}: 13.4/17$

Left Out: -309.330 ± 83.706 $\chi^2/\text{NDF}: 30.0/24$

Right Out: -184.916 ± 121.054 $\chi^2/\text{NDF}: 17.9/21$

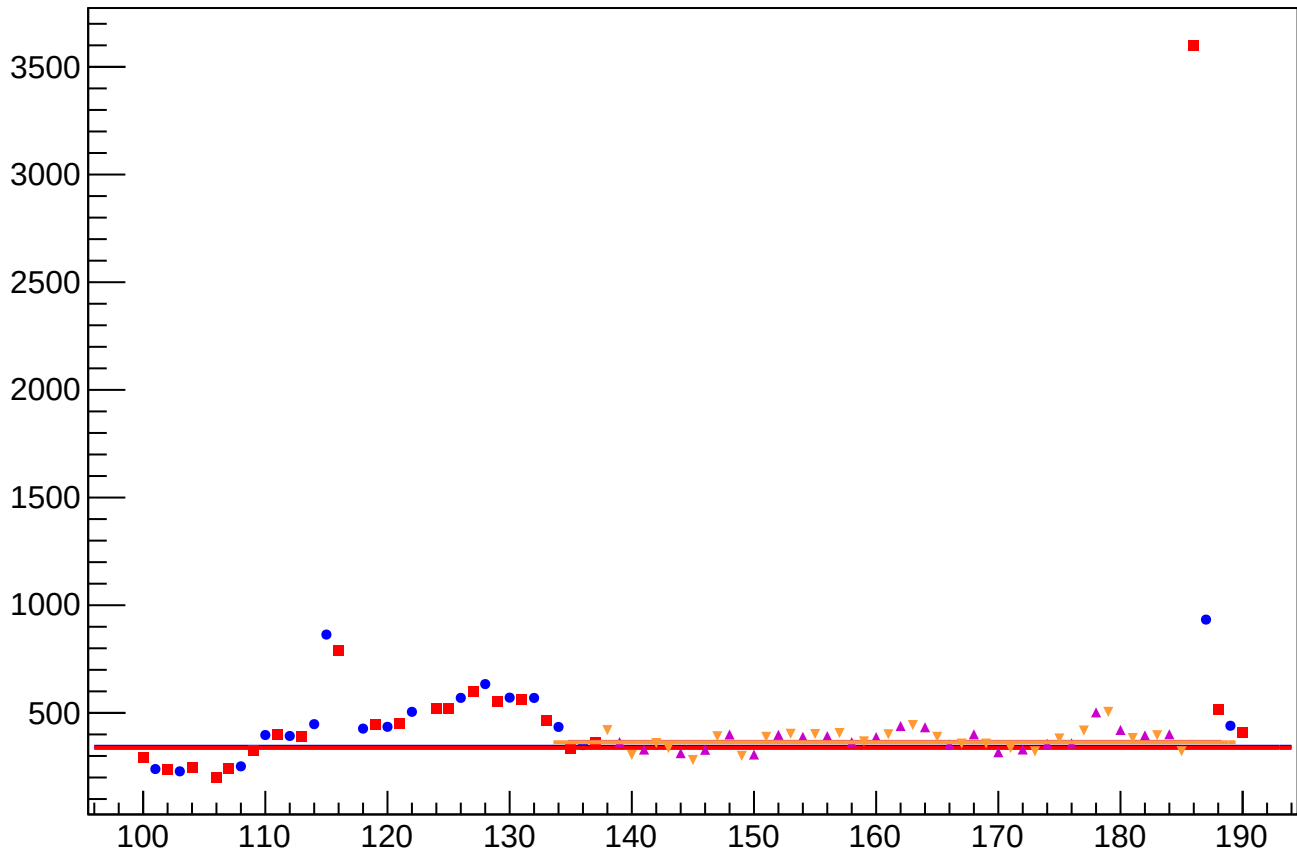
Left In: -57.543 ± 86.225 $\chi^2/\text{NDF}: 28.0/22$

+ sign -185.550 ± 70.367 $\chi^2/\text{NDF}: 50.8/42$

All: -142.900 ± 49.708 $\chi^2/\text{NDF}: 98.2/87$

- sign -100.415 ± 70.230 $\chi^2/\text{NDF}: 46.6/44$

asym_sam_37_48_dd_rms vs Slug



Right In: 342.679+/-0.092 χ^2/NDF : 1819482.5/17

Left Out: 363.714+/-0.059 χ^2/NDF : 669244.7/24

Right Out: 337.416+/-0.086 χ^2/NDF : 2578206.9/21

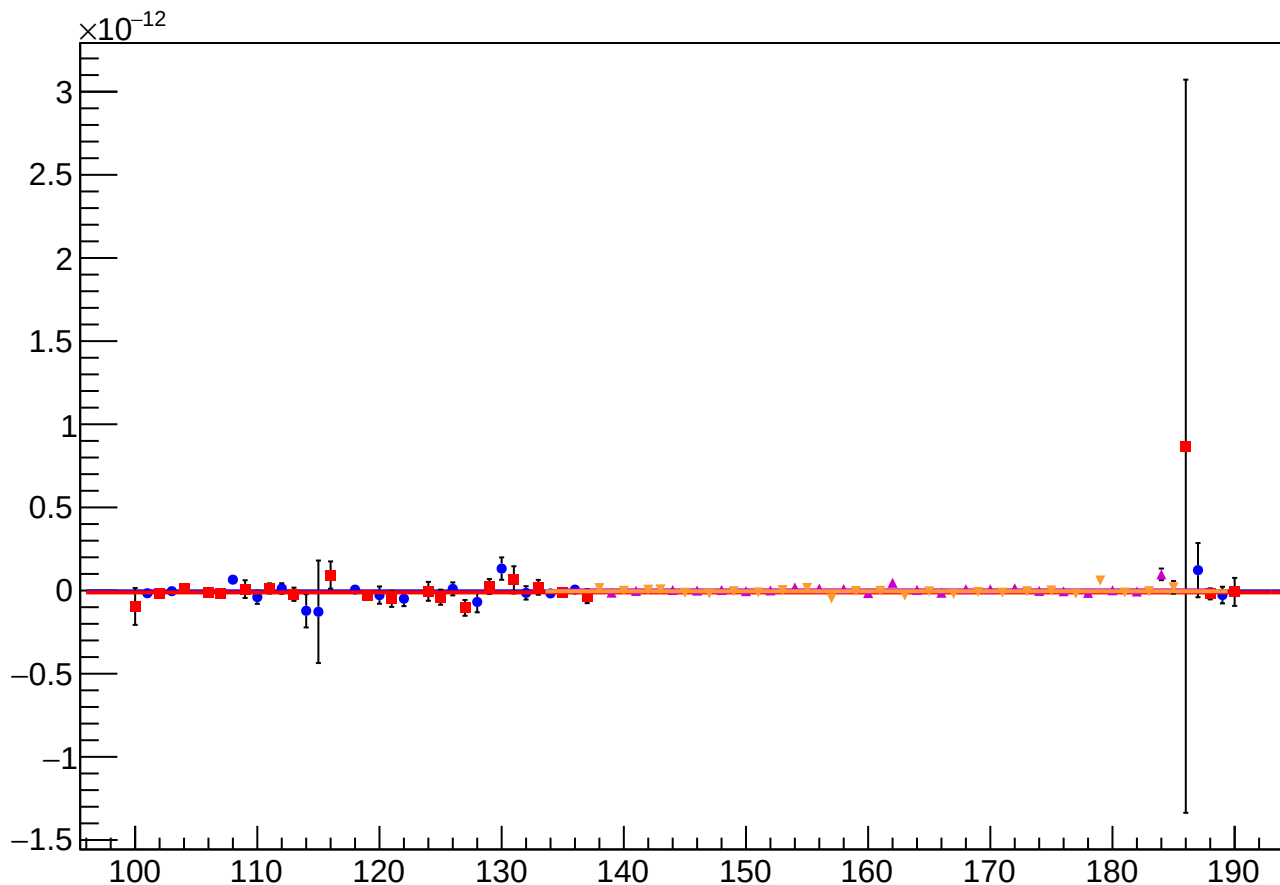
Left In: 365.324+/-0.061 χ^2/NDF : 509496.4/22

+ sign 357.544+/-0.050 χ^2/NDF : 2525774.3/42

All: 356.736+/-0.035 χ^2/NDF : 5684526.4/87

- sign 355.931+/-0.050 χ^2/NDF : 3158225.3/44

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 17.3/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 12.6/21

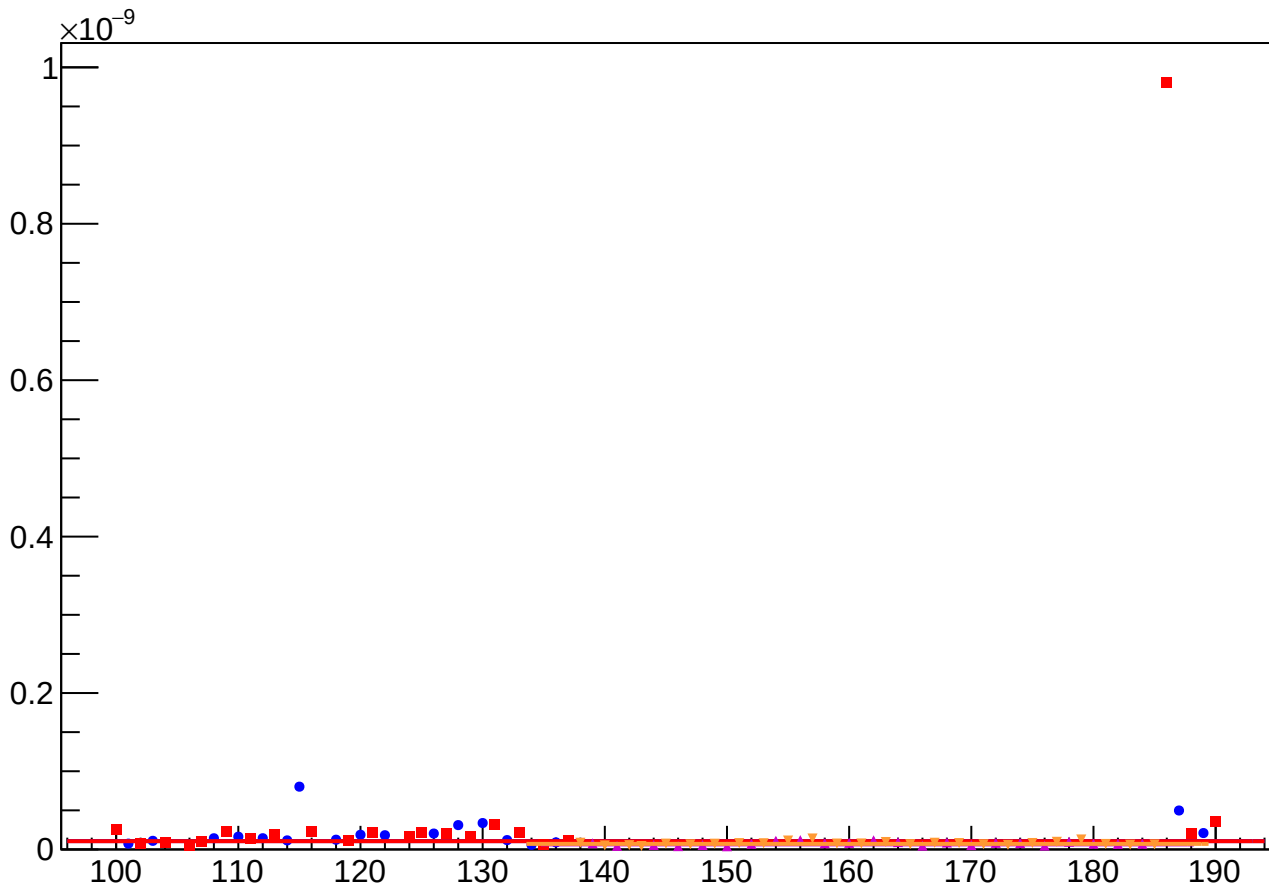
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.7/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 39.2/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 78.1/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 37.7/44

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1386461.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2192028.0/21

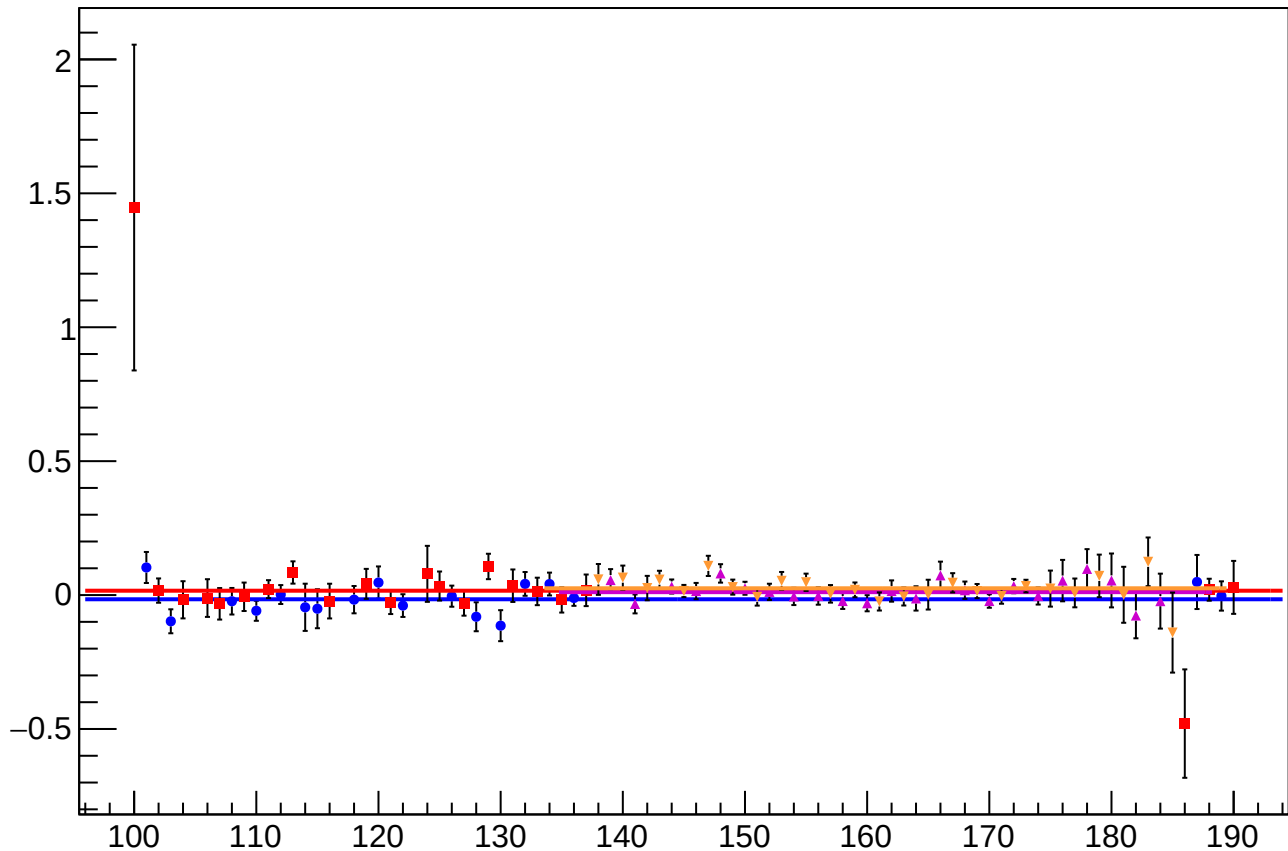
Left In: 0.000+/-0.000 χ^2/NDF : 1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 2790598.1/42

All: 0.000+/-0.000 χ^2/NDF : 6982891.7/87

- sign 0.000+/-0.000 χ^2/NDF : 4137833.0/44

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.011 χ^2/NDF : 19.3/17

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.016 ± 0.012 χ^2/NDF : 22.9/21

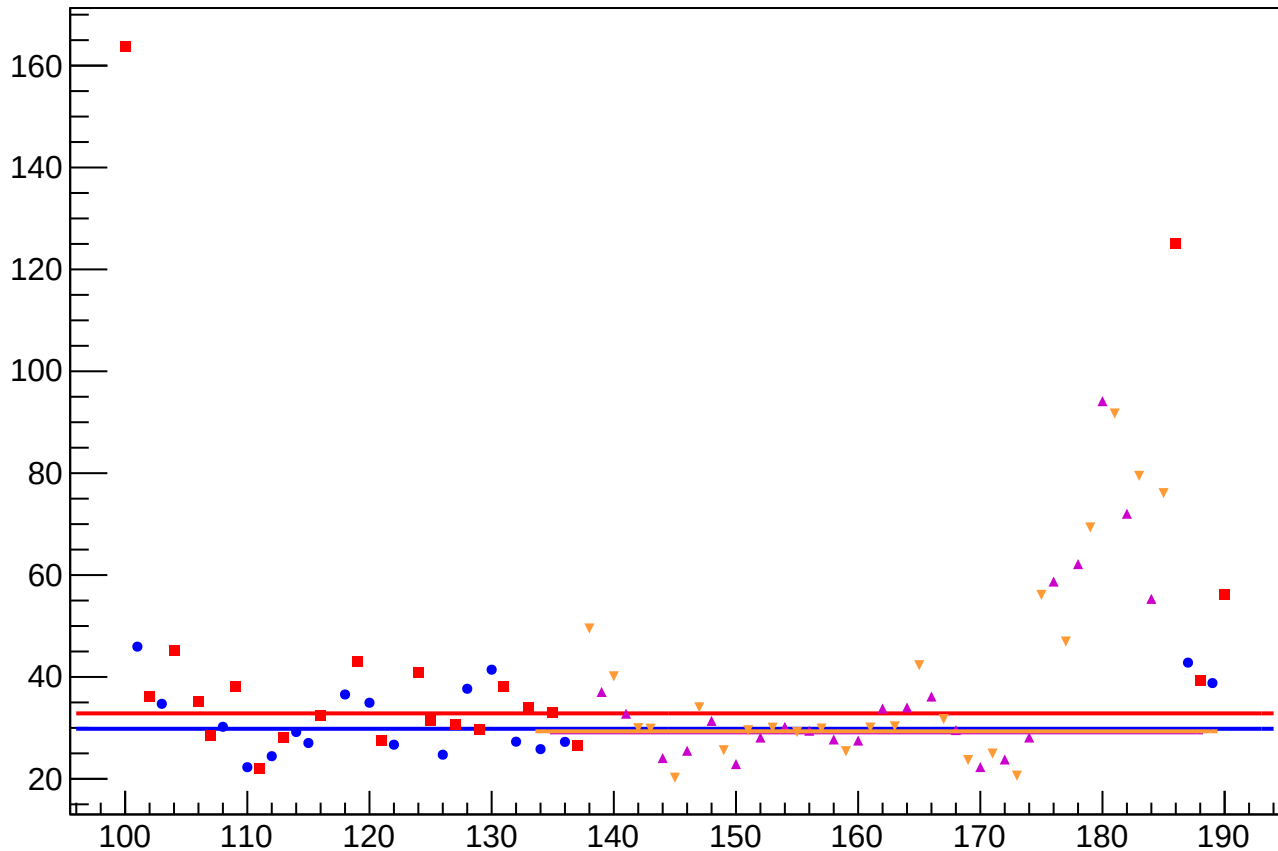
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.013 ± 0.006 χ^2/NDF : 46.4/42

All: 0.013 ± 0.004 χ^2/NDF : 88.4/87

- sign 0.012 ± 0.006 χ^2/NDF : 42.0/44

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.828 $\pm$ 0.008 χ^2 /NDF: 652246.3/17

Left Out: 29.335 $\pm$ 0.005 χ^2 /NDF: 3874774.5/24

Right Out: 32.850 $\pm$ 0.008 χ^2 /NDF: 1166990.0/21

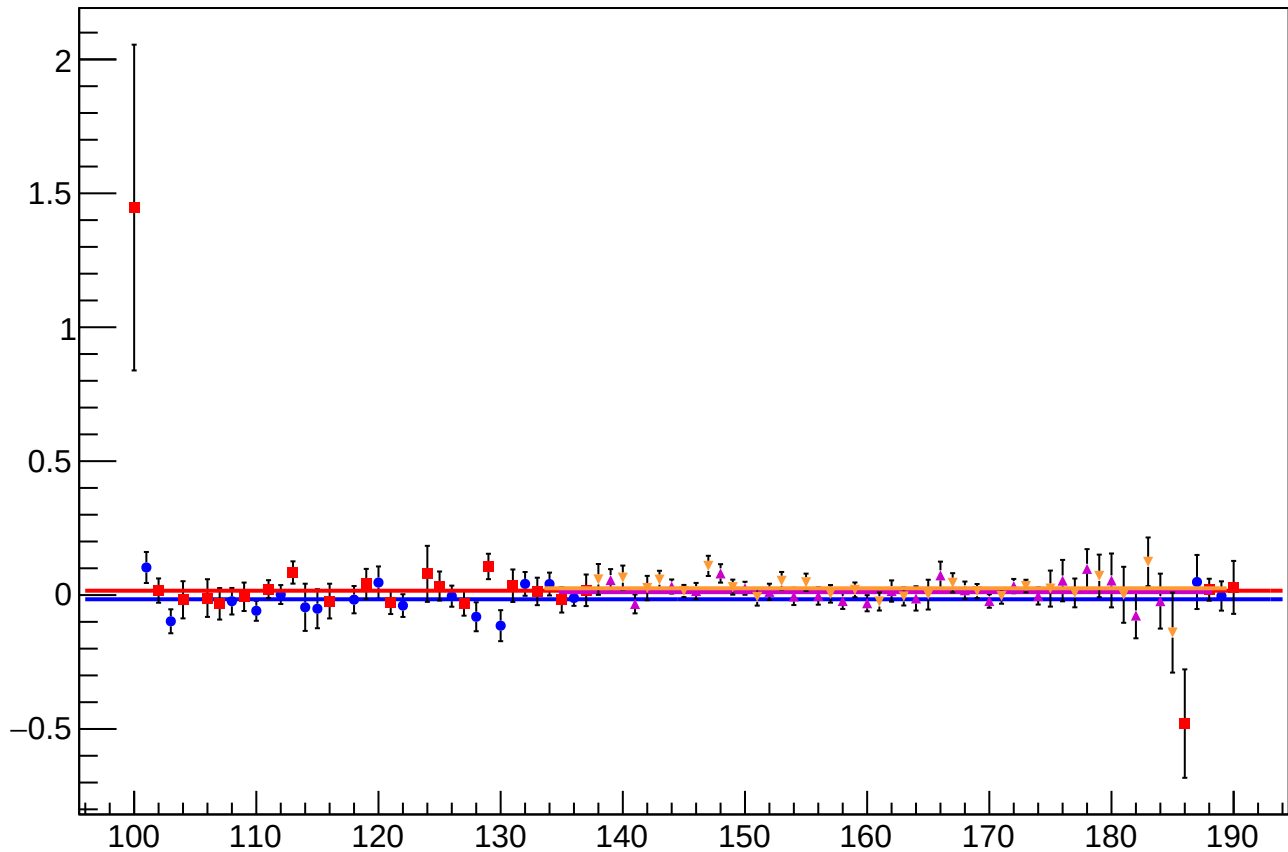
Left In: 29.125 $\pm$ 0.005 χ^2 /NDF: 2839115.6/22

+ sign 29.481 $\pm$ 0.004 χ^2 /NDF: 4529832.5/42

All: 29.829 $\pm$ 0.003 χ^2 /NDF: 8699079.1/87

- sign 30.193 $\pm$ 0.004 χ^2 /NDF: 4155598.3/44

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.011 χ^2/NDF : 19.3/17

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.016 ± 0.012 χ^2/NDF : 22.9/21

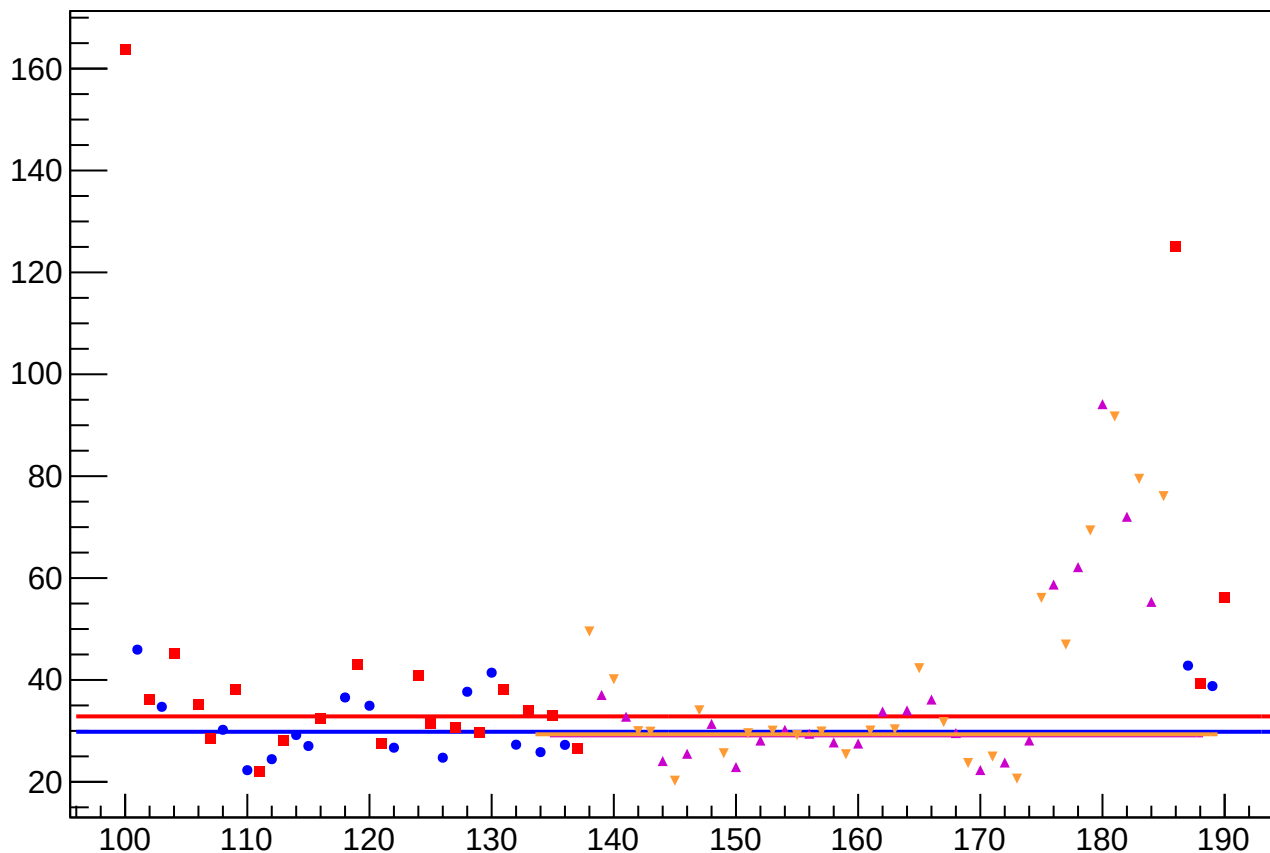
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.013 ± 0.006 χ^2/NDF : 46.4/42

All: 0.013 ± 0.004 χ^2/NDF : 88.4/87

- sign 0.012 ± 0.006 χ^2/NDF : 42.0/44

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.828+/-0.008 χ^2/NDF : 652246.3/17

Left Out: 29.335+/-0.005 χ^2/NDF : 3874774.5/24

Right Out: 32.850+/-0.008 χ^2/NDF : 1166990.0/21

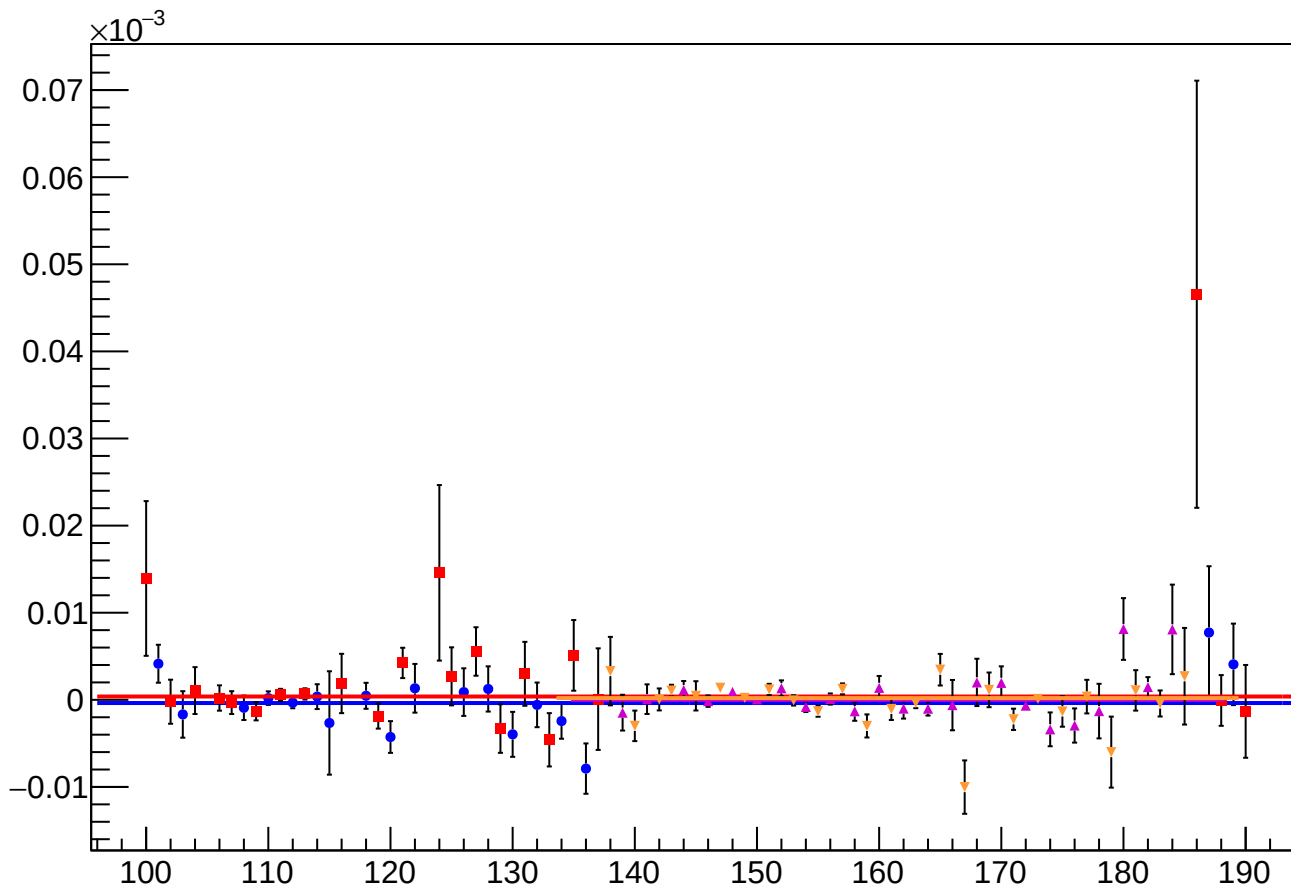
Left In: 29.125+/-0.005 χ^2/NDF : 2839115.6/22

+ sign 29.481+/-0.004 χ^2/NDF : 4529832.5/42

All: 29.829+/-0.003 χ^2/NDF : 8699079.1/87

- sign 30.193+/-0.004 χ^2/NDF : 4155598.3/44

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 23.3/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 52.6/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 29.0/21

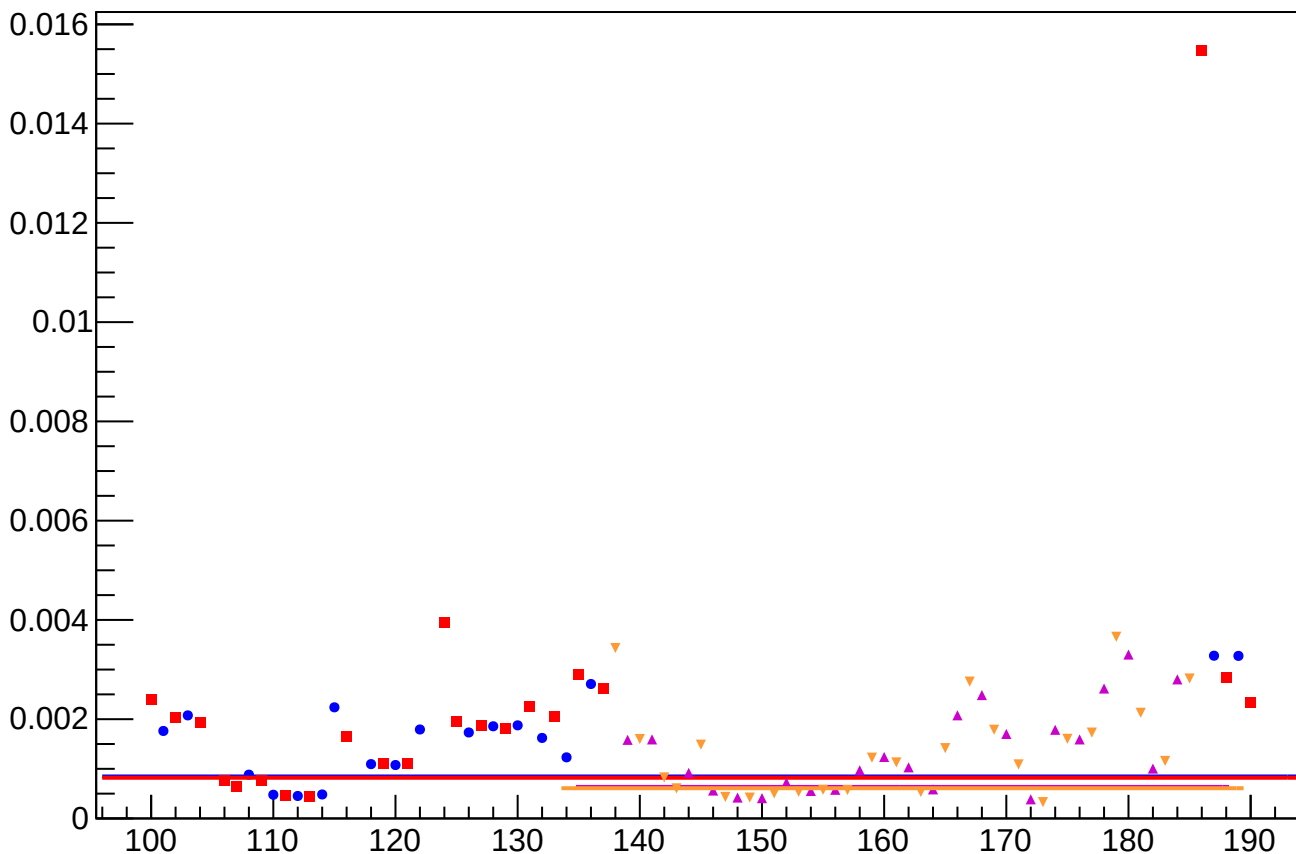
Left In: 0.000 ± 0.000 χ^2/NDF : 32.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 77.8/42

All: 0.000 ± 0.000 χ^2/NDF : 140.7/87

- sign 0.000 ± 0.000 χ^2/NDF : 62.8/44

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 5198868.6/17

Left Out: 0.001+/-0.000 χ^2/NDF : 10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF : 6505011.3/21

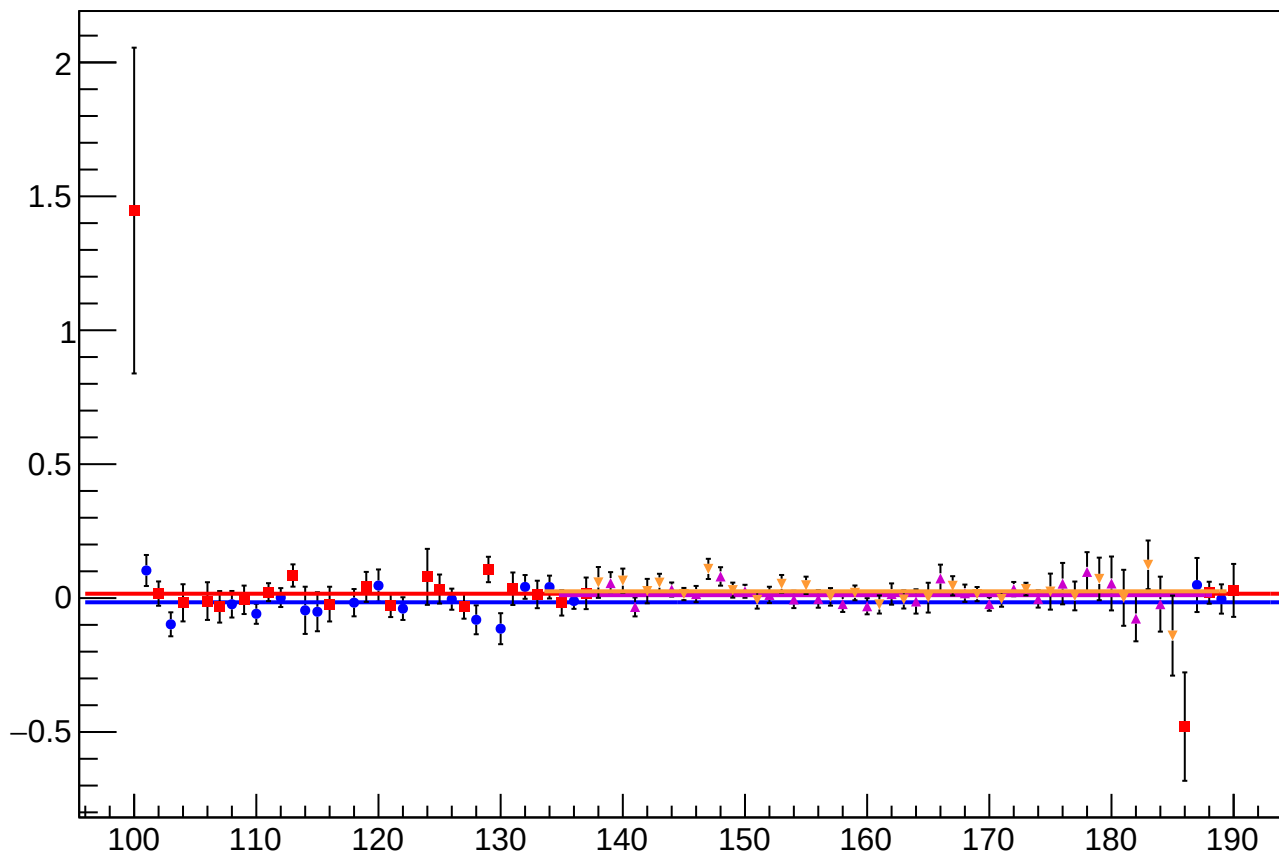
Left In: 0.001+/-0.000 χ^2/NDF : 9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF : 16842323.5/42

All: 0.001+/-0.000 χ^2/NDF : 33200349.9/87

- sign 0.001+/-0.000 χ^2/NDF : 16332419.3/44

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.016 ± 0.011 χ^2/NDF : 19.3/17

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.016 ± 0.012 χ^2/NDF : 22.9/21

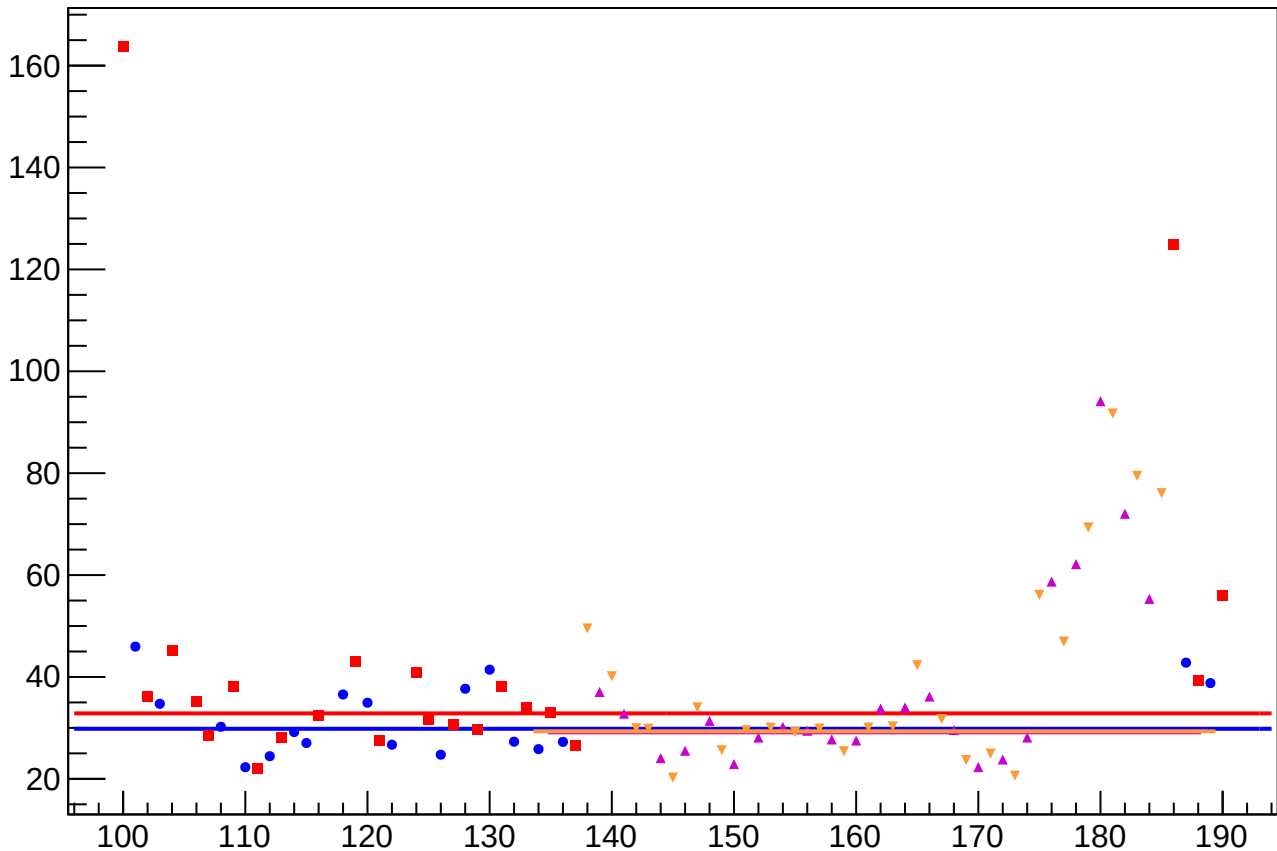
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.013 ± 0.006 χ^2/NDF : 46.4/42

All: 0.013 ± 0.004 χ^2/NDF : 88.4/87

- sign 0.012 ± 0.006 χ^2/NDF : 42.0/44

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.828+/-0.008 χ^2/NDF : 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF : 3874839.0/24

Right Out: 32.850+/-0.008 χ^2/NDF : 1166928.0/21

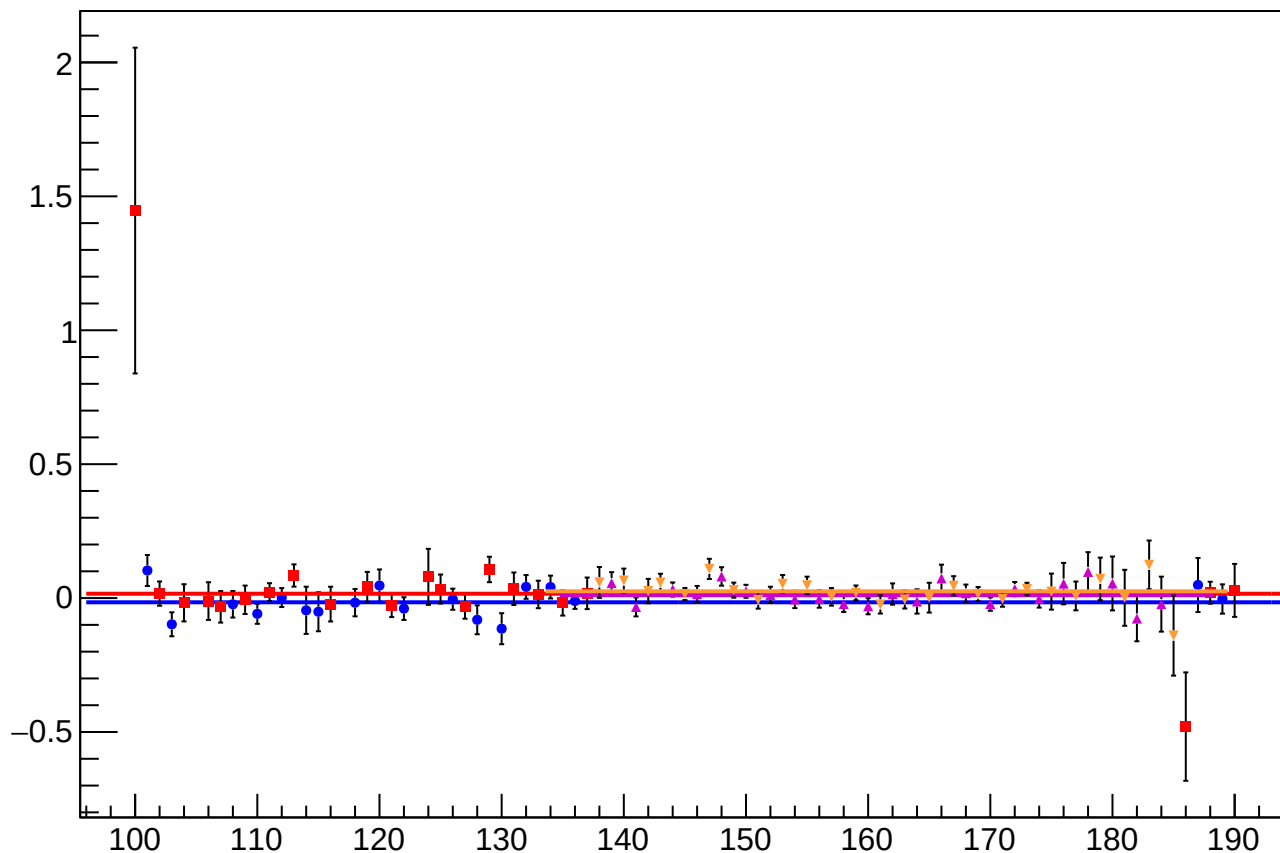
Left In: 29.124+/-0.005 χ^2/NDF : 2839078.4/22

+ sign 29.481+/-0.004 χ^2/NDF : 4529869.7/42

All: 29.829+/-0.003 χ^2/NDF : 8699049.7/87

- sign 30.193+/-0.004 χ^2/NDF : 4155529.8/44

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016 ± 0.011 χ^2/NDF : 19.3/17

Left Out: 0.025 ± 0.007 χ^2/NDF : 17.4/24

Right Out: 0.016 ± 0.012 χ^2/NDF : 22.9/21

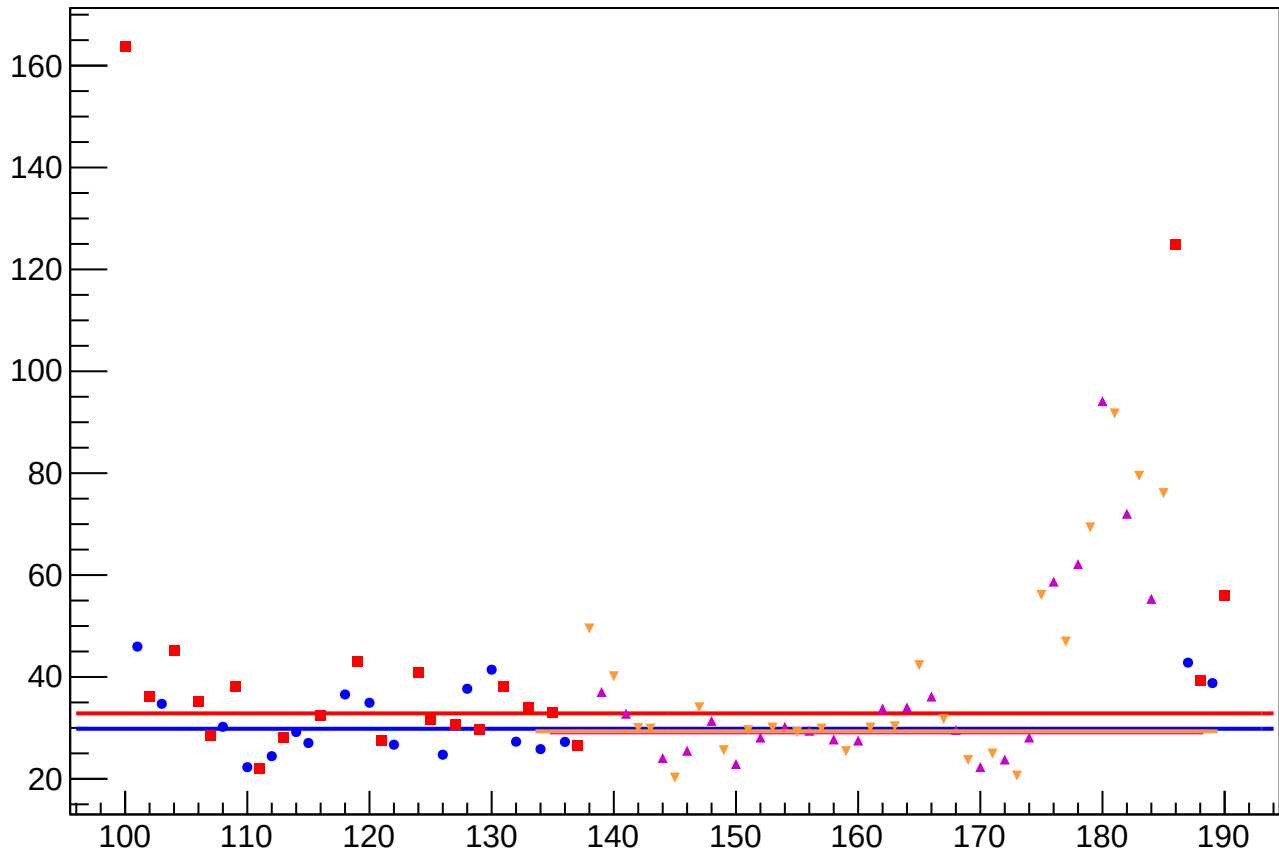
Left In: 0.011 ± 0.007 χ^2/NDF : 19.0/22

+ sign 0.013 ± 0.006 χ^2/NDF : 46.4/42

All: 0.013 ± 0.004 χ^2/NDF : 88.4/87

- sign 0.012 ± 0.006 χ^2/NDF : 42.0/44

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.828+/-0.008 χ^2/NDF : 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF : 3874839.0/24

Right Out: 32.850+/-0.008 χ^2/NDF : 1166928.0/21

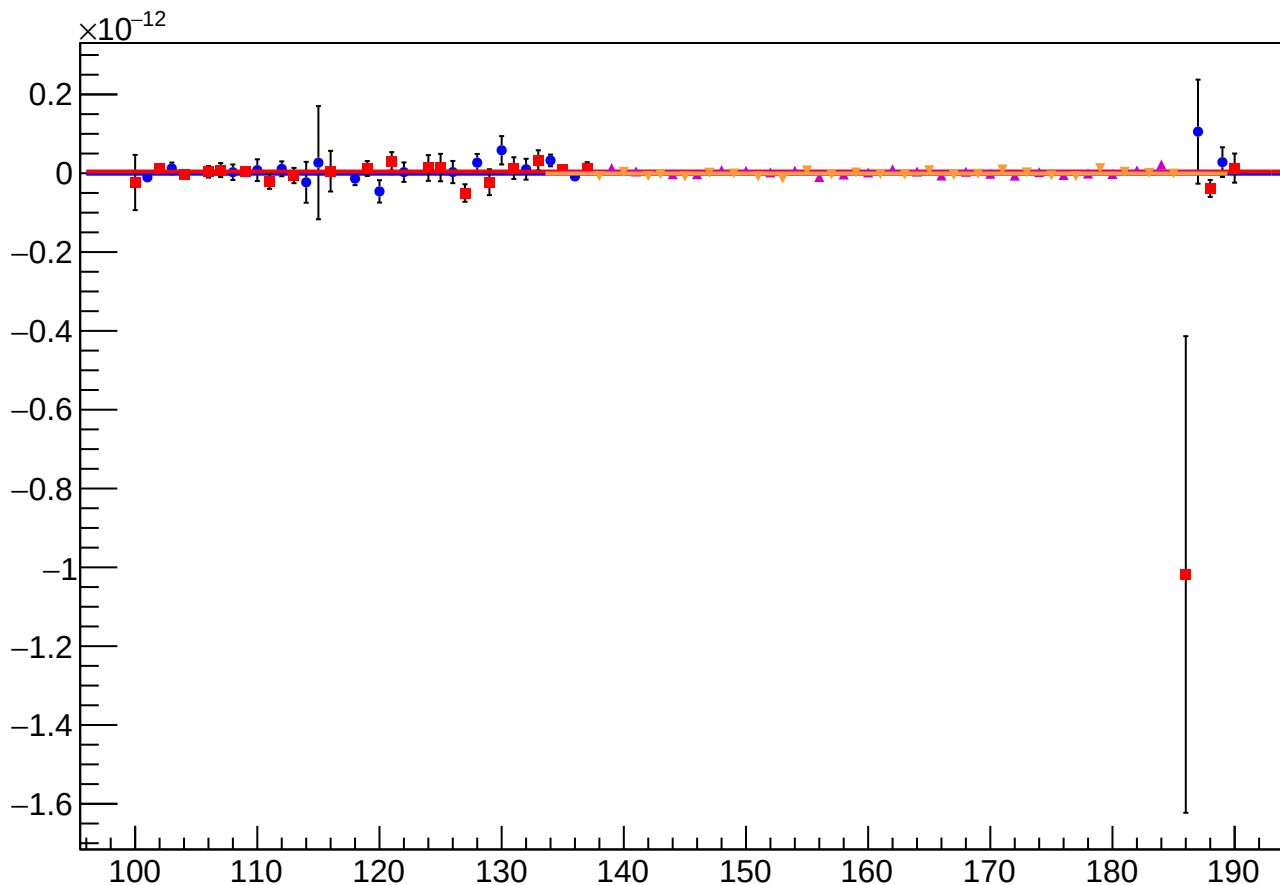
Left In: 29.124+/-0.005 χ^2/NDF : 2839078.4/22

+ sign 29.481+/-0.004 χ^2/NDF : 4529869.7/42

All: 29.829+/-0.003 χ^2/NDF : 8699049.7/87

- sign 30.193+/-0.004 χ^2/NDF : 4155529.8/44

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2 /NDF: 18.2/17

Left Out: -0.000+/-0.000 χ^2 /NDF:15.1/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 20.3/21

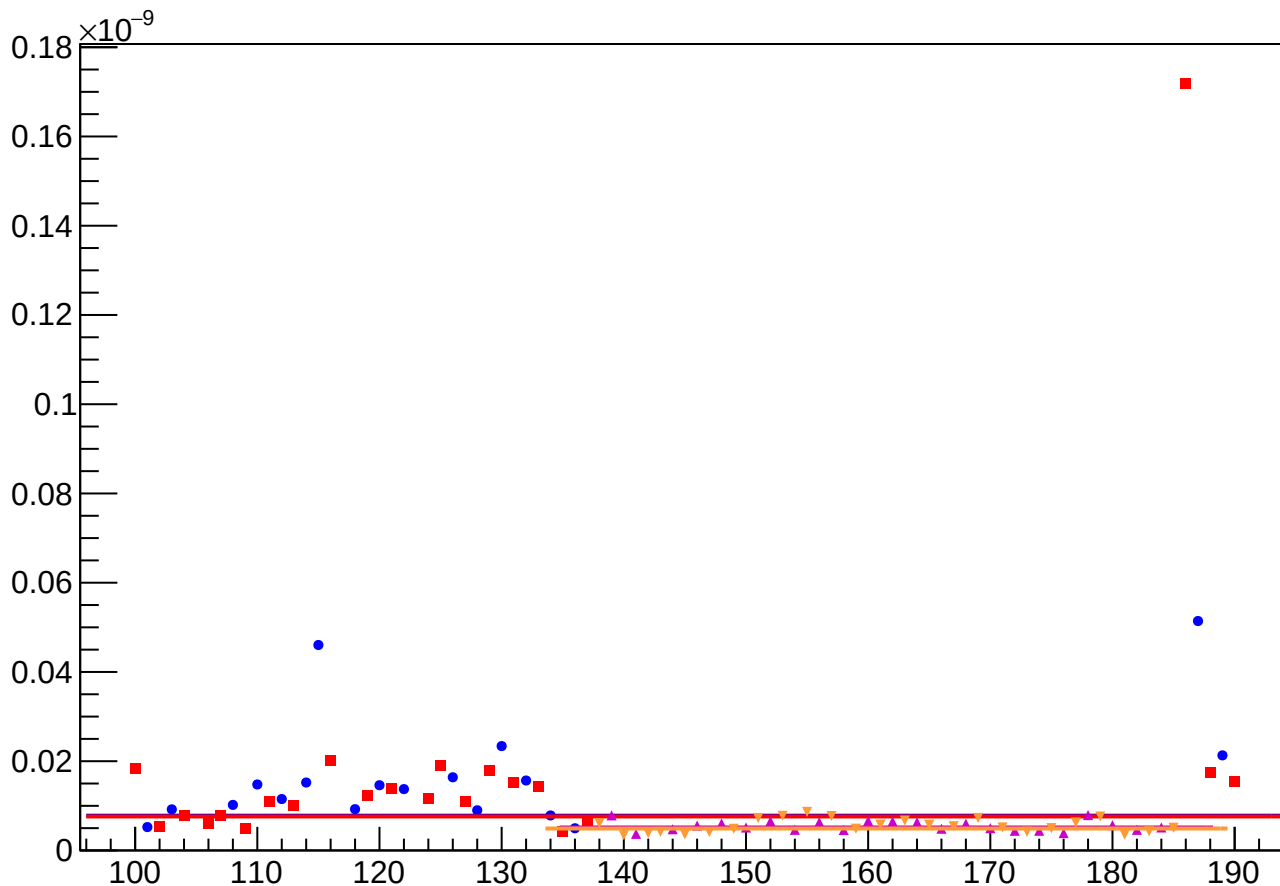
Left In: 0.000+/-0.000 χ^2 /NDF:16.5/22

+ sign -0.000+/-0.000 χ^2 /NDF: 33.3/42

All: 0.000+/-0.000 χ^2 /NDF: 72.7/87

- sign 0.000+/-0.000 χ^2 /NDF: 37.4/44

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2501154.6/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:1871499.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2662920.3/21

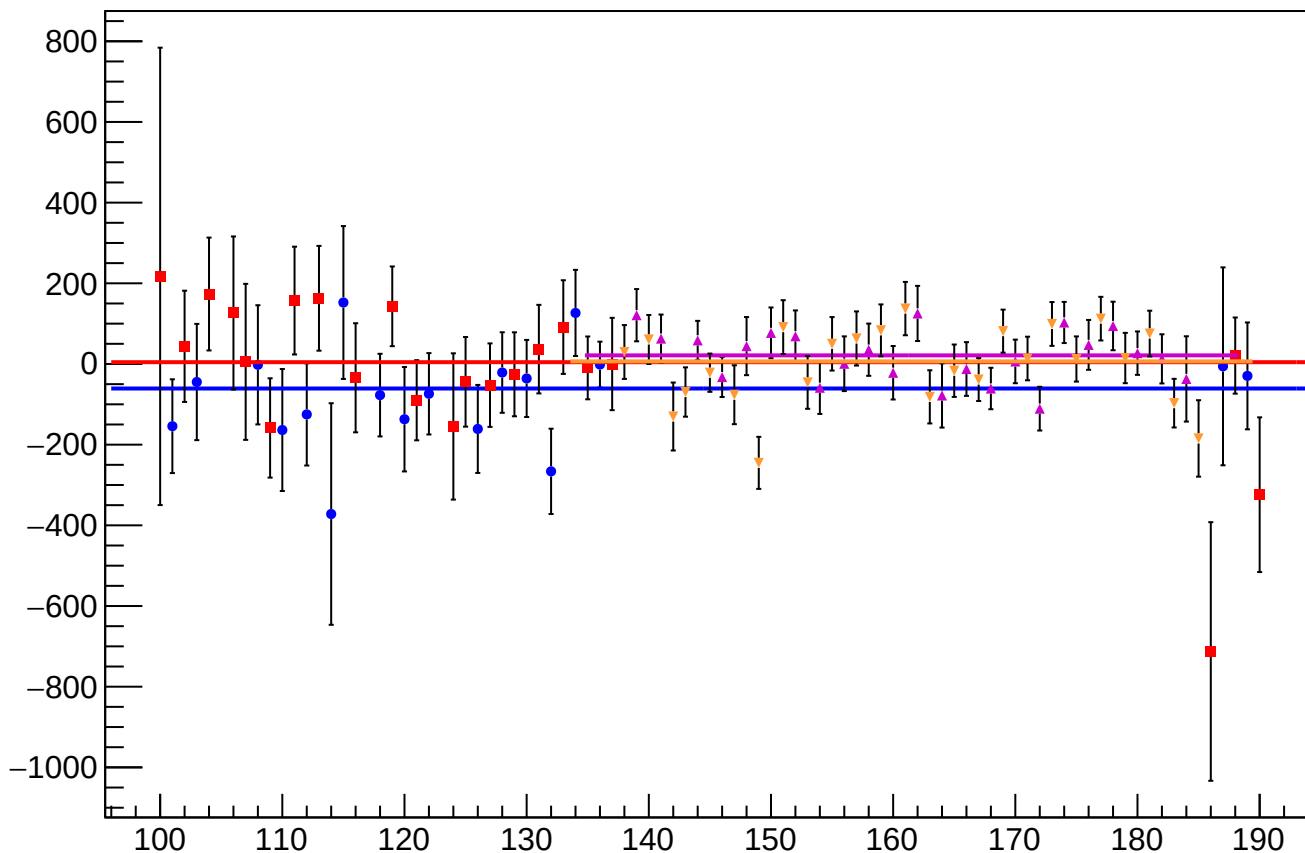
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:976775.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5379362.6/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 9868845.8/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4456428.3/44

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -60.802 ± 26.501 χ^2/NDF : 13.6/17

Left Out: 6.523 ± 12.287 χ^2/NDF : 50.6/24

Right Out: 4.438 ± 26.298 χ^2/NDF : 19.6/21

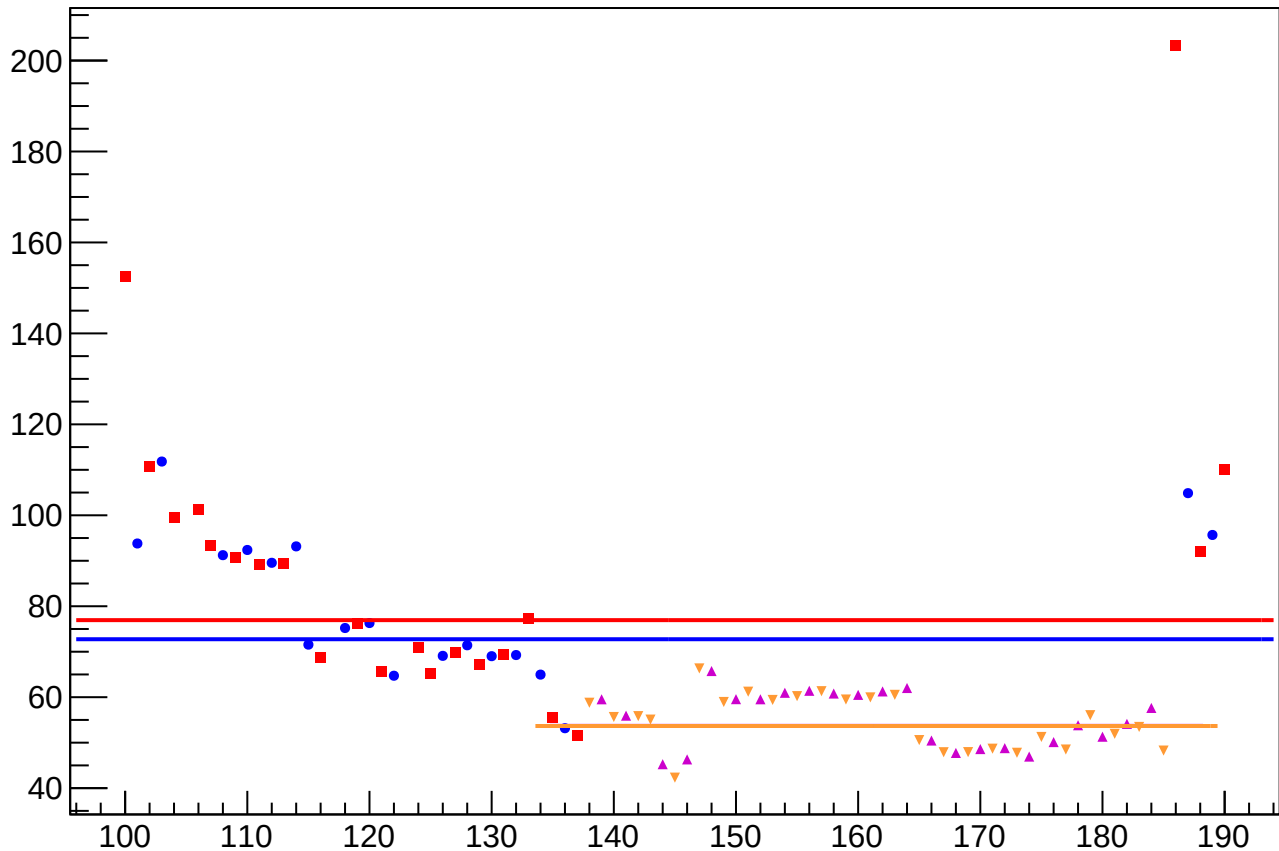
Left In: 21.336 ± 12.649 χ^2/NDF : 25.4/22

+ sign -5.390 ± 11.147 χ^2/NDF : 69.5/42

All: 6.122 ± 7.970 χ^2/NDF : 117.0/87

- sign 18.161 ± 11.399 χ^2/NDF : 45.3/44

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 72.746 ± 0.019 $\chi^2/\text{NDF}: 690131.4/17$

Left Out: 53.666 ± 0.009 $\chi^2/\text{NDF}: 472206.8/24$

Right Out: 76.945 ± 0.019 $\chi^2/\text{NDF}: 1082385.0/21$

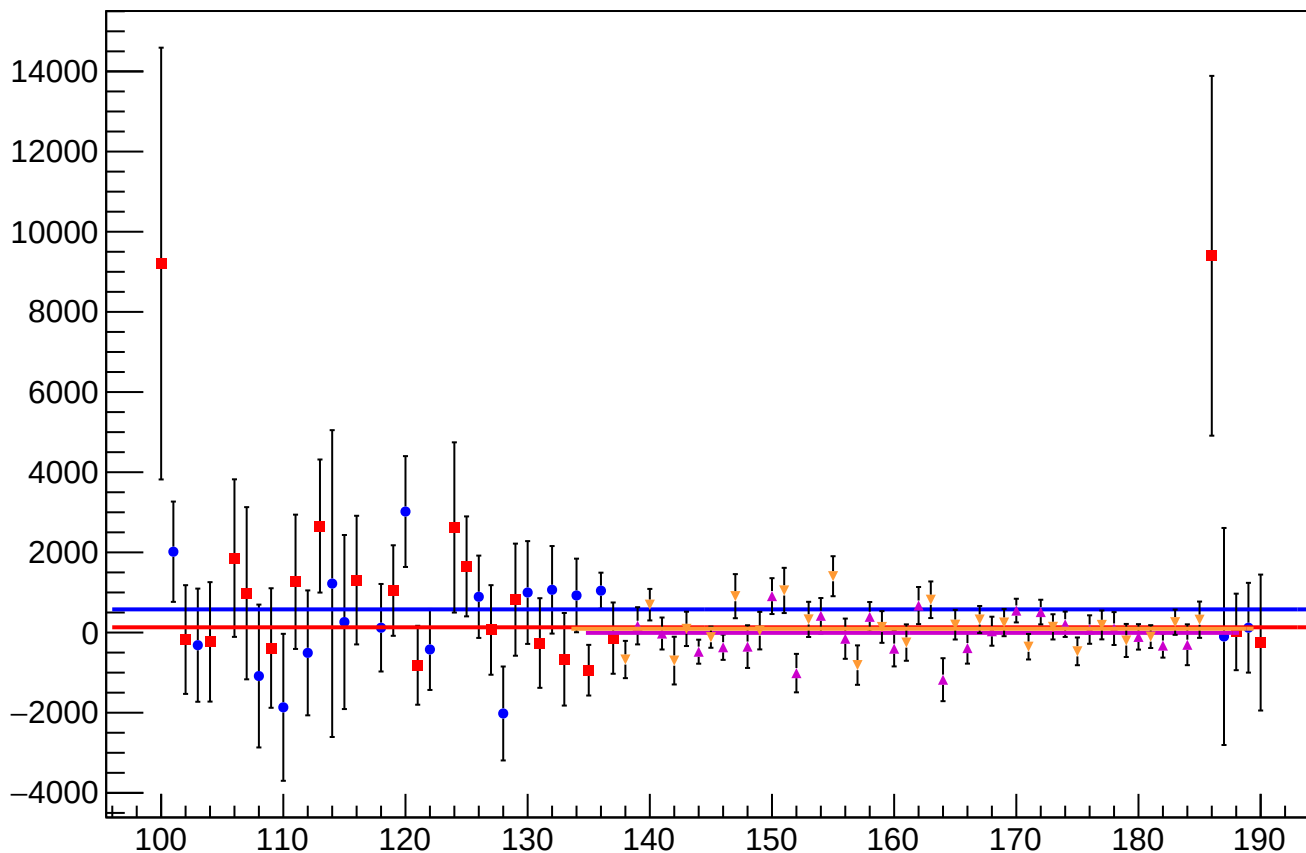
Left In: 53.695 ± 0.009 $\chi^2/\text{NDF}: 471343.7/22$

+ sign 57.042 ± 0.008 $\chi^2/\text{NDF}: 2015681.7/42$

All: 57.541 ± 0.006 $\chi^2/\text{NDF}: 4847181.1/87$

- sign 58.063 ± 0.008 $\chi^2/\text{NDF}: 2823291.6/44$

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 577.998 ± 258.353 χ^2/NDF : 15.9/17

Left Out: 95.456 ± 77.134 χ^2/NDF : 33.2/24

Right Out: 130.892 ± 268.549 χ^2/NDF : 19.9/21

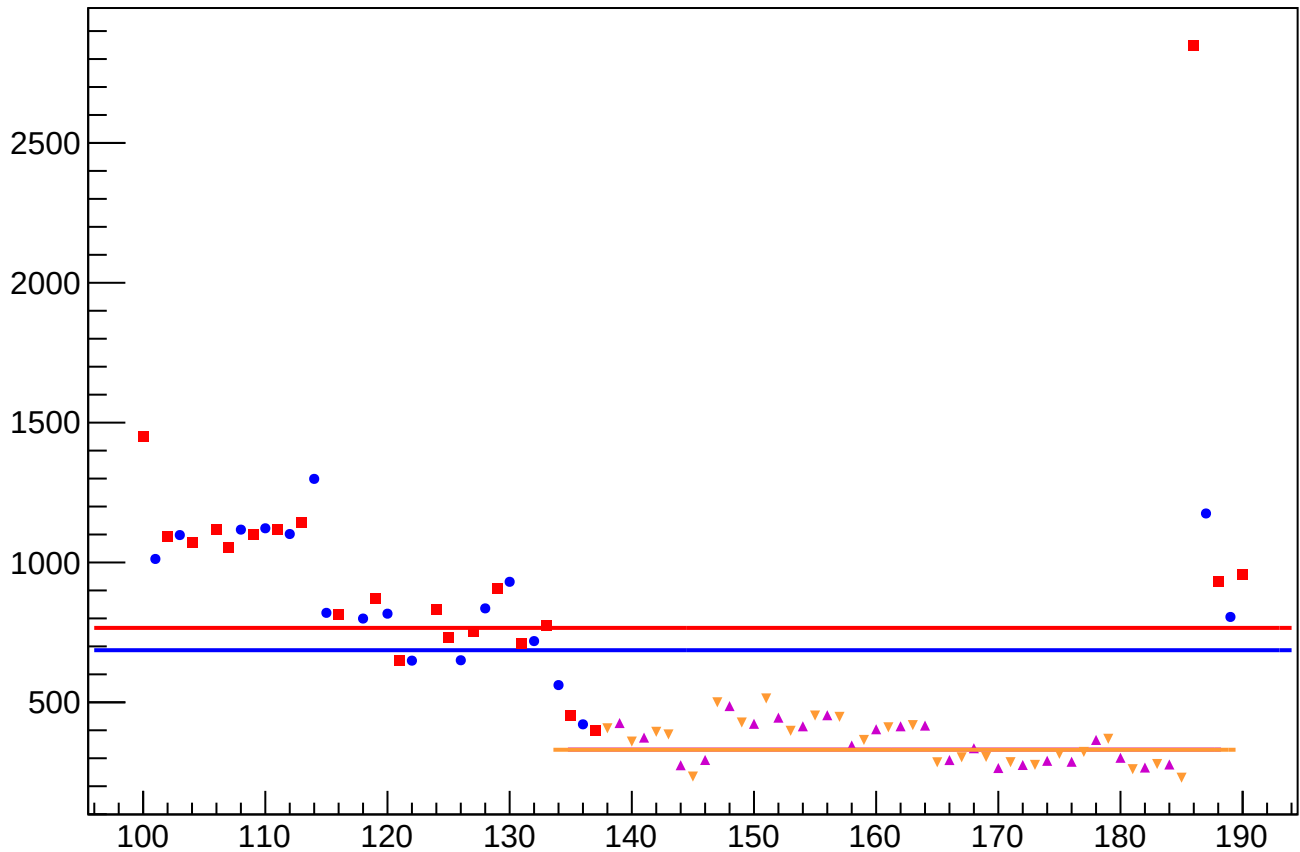
Left In: -7.879 ± 79.125 χ^2/NDF : 32.3/22

+ sign 134.949 ± 73.910 χ^2/NDF : 52.3/42

All: 70.826 ± 52.952 χ^2/NDF : 106.3/87

- sign 3.206 ± 75.899 χ^2/NDF : 52.4/44

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 686.329+/-0.183 χ^2/NDF : 1709085.1/17

Left Out: 330.405+/-0.055 χ^2/NDF : 1752470.5/24

Right Out: 766.084+/-0.190 χ^2/NDF : 2052601.8/21

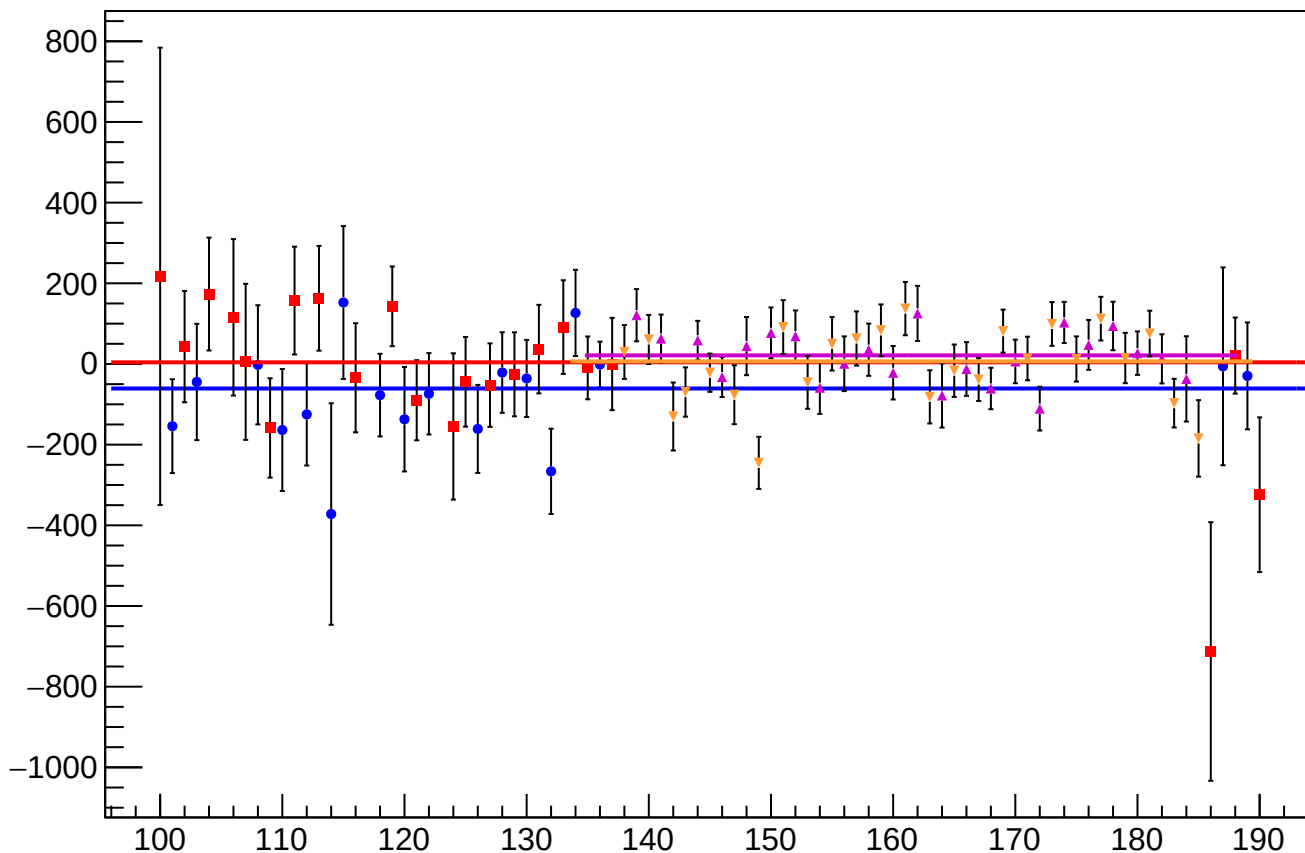
Left In: 331.059+/-0.056 χ^2/NDF : 1325602.5/22

+ sign 359.535+/-0.052 χ^2/NDF : 6946814.0/42

All: 362.588+/-0.037 χ^2/NDF : 15161030.4/87

- sign 365.808+/-0.054 χ^2/NDF : 8207205.5/44

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -60.794±/26.501 χ^2/NDF : 13.6/17

Left Out: 6.526±/12.287 χ^2/NDF : 50.6/24

Right Out: 4.110±/26.309 χ^2/NDF : 19.5/21

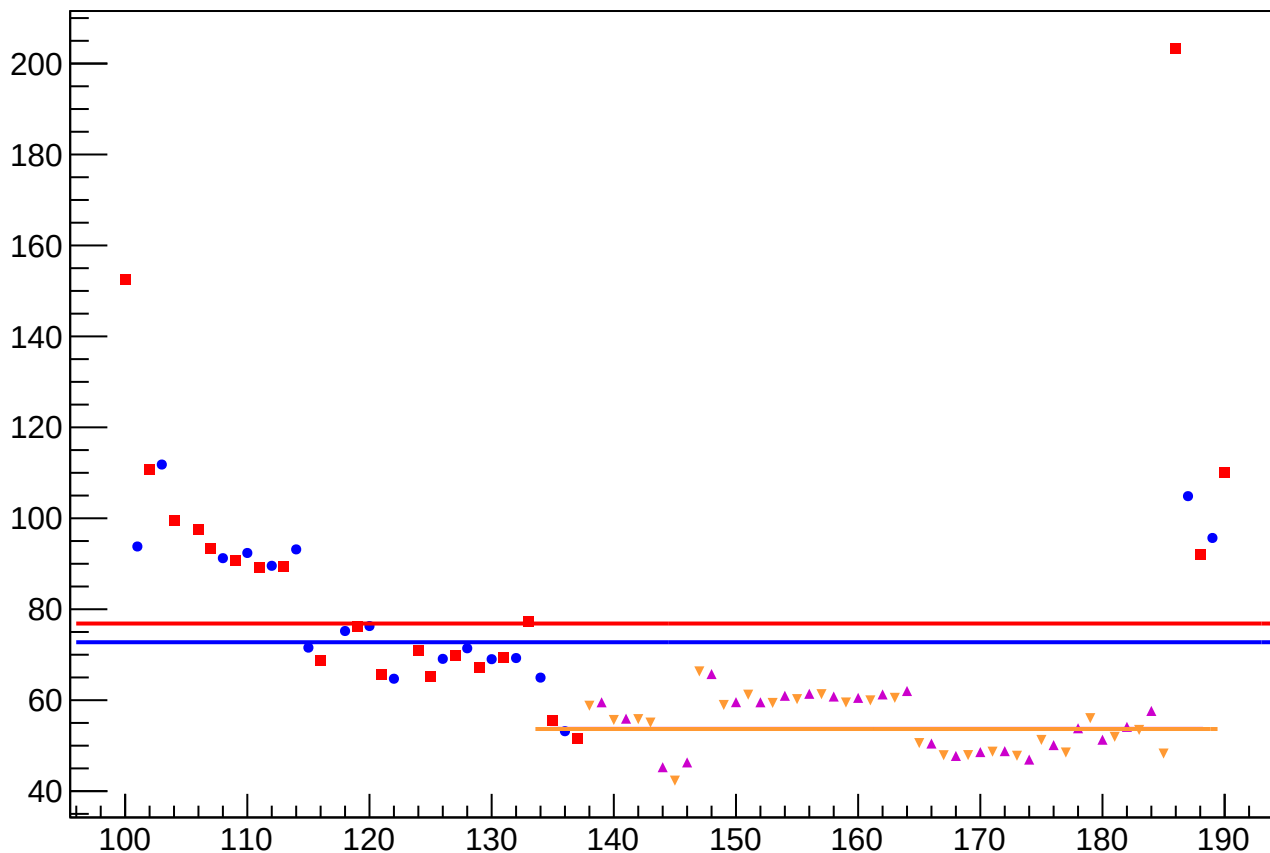
Left In: 21.335±/12.649 χ^2/NDF : 25.4/22

+ sign -5.386±/11.147 χ^2/NDF : 69.5/42

All: 6.094±/7.970 χ^2/NDF : 116.9/87

- sign 18.100±/11.400 χ^2/NDF : 45.2/44

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 72.746 ± 0.019 $\chi^2/\text{NDF}: 690133.8/17$

Left Out: 53.666 ± 0.009 $\chi^2/\text{NDF}: 472206.8/24$

Right Out: 76.858 ± 0.019 $\chi^2/\text{NDF}: 1072461.8/21$

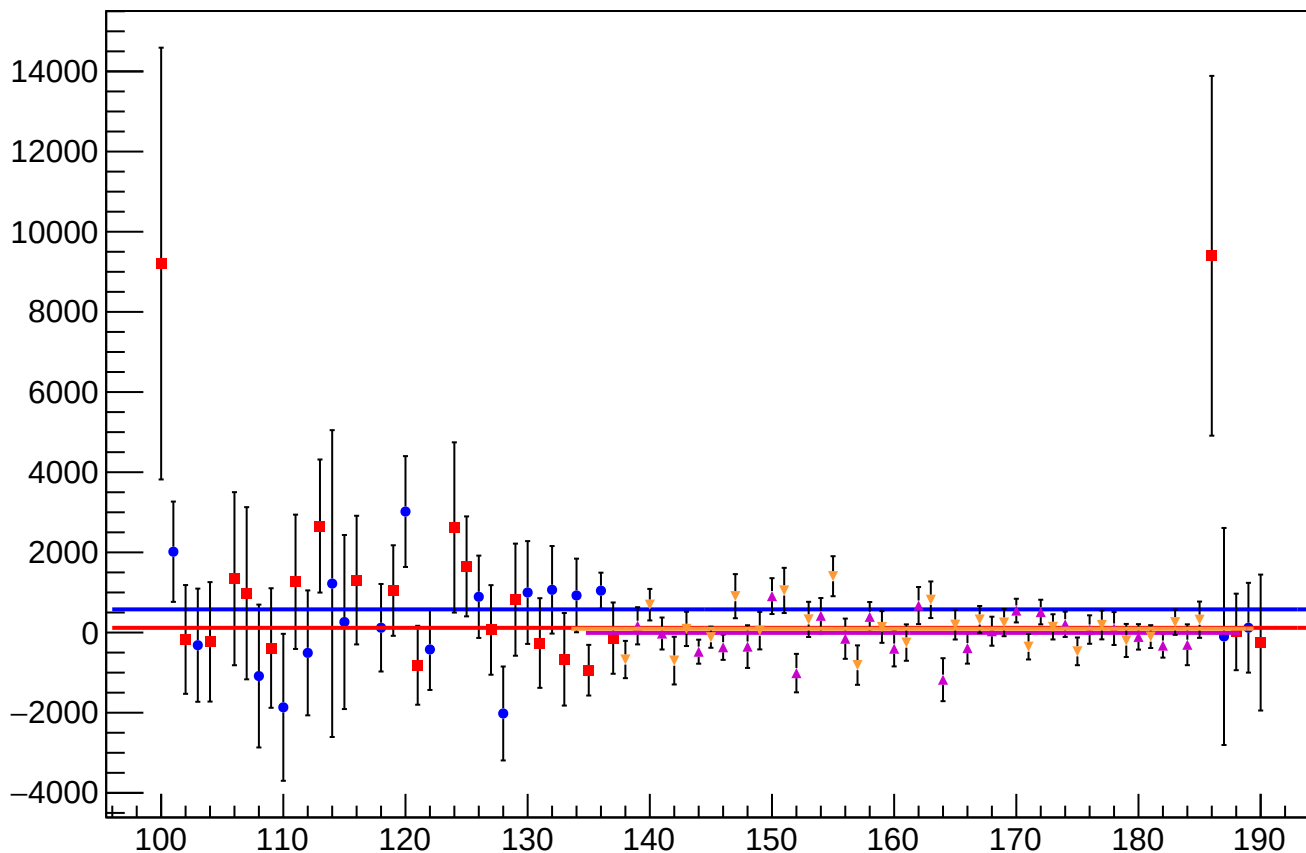
Left In: 53.695 ± 0.009 $\chi^2/\text{NDF}: 471343.7/22$

+ sign 57.042 ± 0.008 $\chi^2/\text{NDF}: 2015684.3/42$

All: 57.531 ± 0.006 $\chi^2/\text{NDF}: 4826602.1/87$

- sign 58.044 ± 0.008 $\chi^2/\text{NDF}: 2803018.8/44$

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 577.987 ± 258.353 χ^2/NDF : 15.9/17

Left Out: 95.458 ± 77.134 χ^2/NDF : 33.2/24

Right Out: 117.499 ± 268.986 χ^2/NDF : 19.4/21

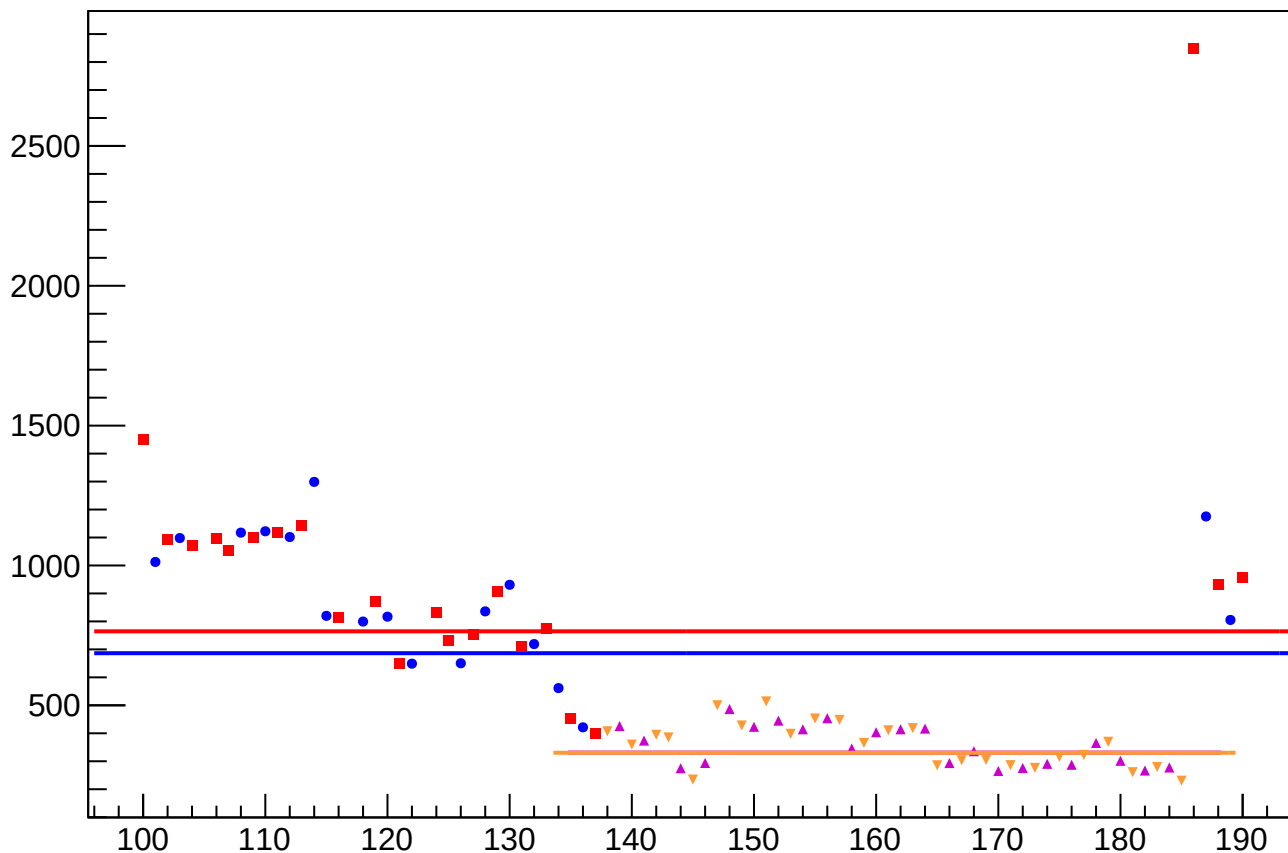
Left In: -7.875 ± 79.125 χ^2/NDF : 32.3/22

+ sign 134.950 ± 73.910 χ^2/NDF : 52.3/42

All: 70.302 ± 52.955 χ^2/NDF : 105.8/87

- sign 2.109 ± 75.909 χ^2/NDF : 51.9/44

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 686.330 $\pm$ 0.183 χ^2 /NDF: 1709110.3/17

Left Out: 330.405 $\pm$ 0.055 χ^2 /NDF: 1752469.2/24

Right Out: 764.611 $\pm$ 0.190 χ^2 /NDF: 2035231.2/21

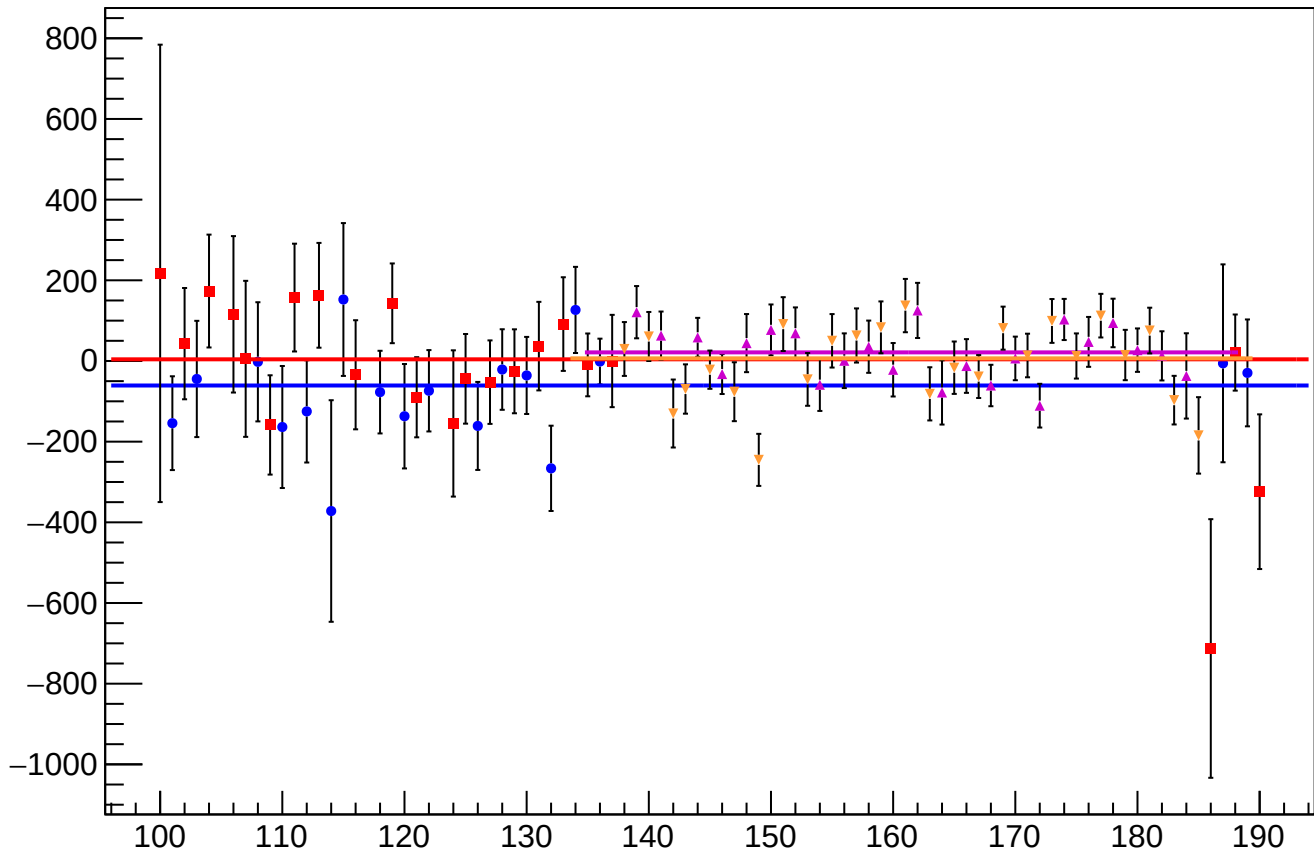
Left In: 331.058 $\pm$ 0.056 χ^2 /NDF: 1325610.1/22

+ sign 359.535 $\pm$ 0.052 χ^2 /NDF: 6946833.7/42

All: 362.480 $\pm$ 0.037 χ^2 /NDF: 15096225.4/87

- sign 365.586 $\pm$ 0.054 χ^2 /NDF: 8142867.6/44

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -60.794 ± 26.501 χ^2/NDF : 13.6/17

Left Out: 6.526 ± 12.287 χ^2/NDF : 50.6/24

Right Out: 4.110 ± 26.309 χ^2/NDF : 19.5/21

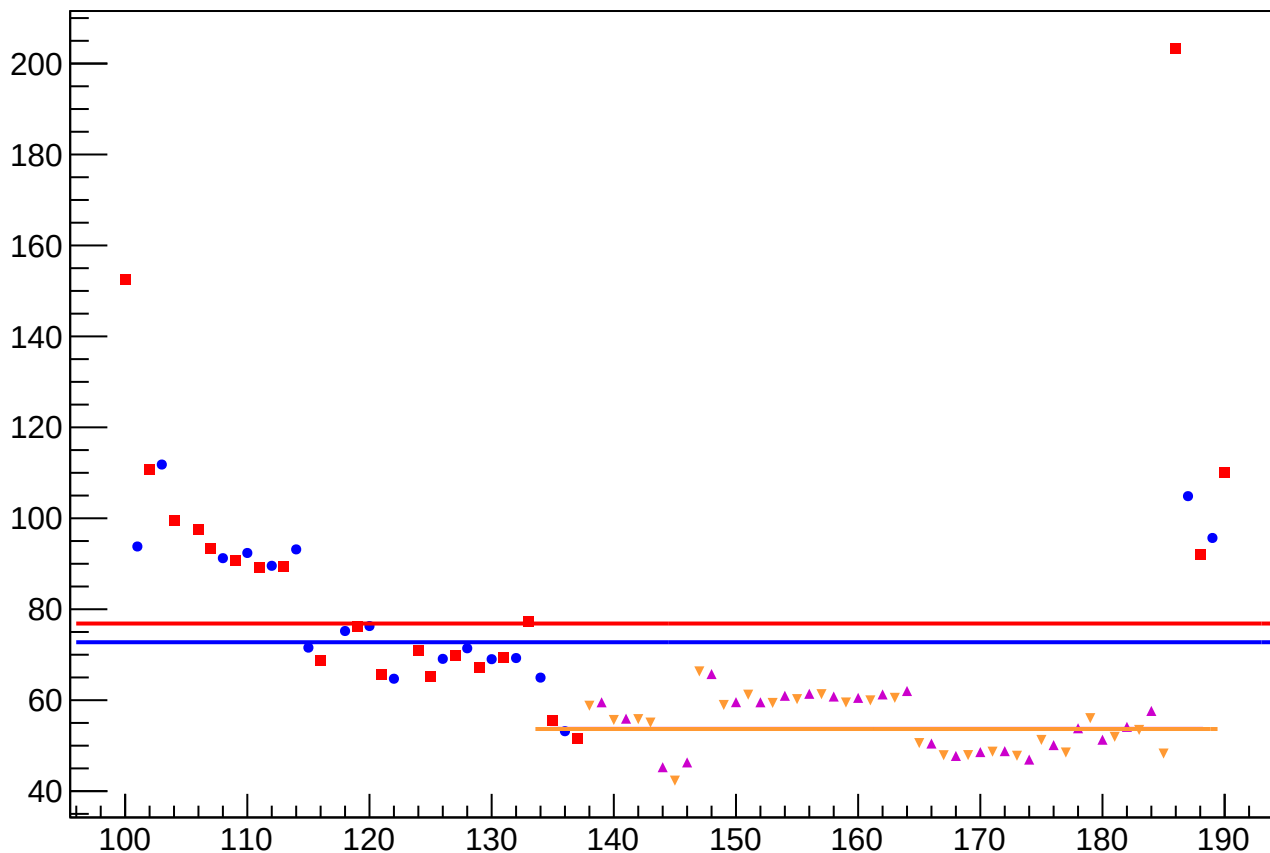
Left In: 21.335 ± 12.649 χ^2/NDF : 25.4/22

+ sign -5.386 ± 11.147 χ^2/NDF : 69.5/42

All: 6.094 ± 7.970 χ^2/NDF : 116.9/87

- sign 18.100 ± 11.400 χ^2/NDF : 45.2/44

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 72.746 ± 0.019 $\chi^2/\text{NDF}: 690133.8/17$

Left Out: 53.666 ± 0.009 $\chi^2/\text{NDF}: 472206.8/24$

Right Out: 76.858 ± 0.019 $\chi^2/\text{NDF}: 1072461.8/21$

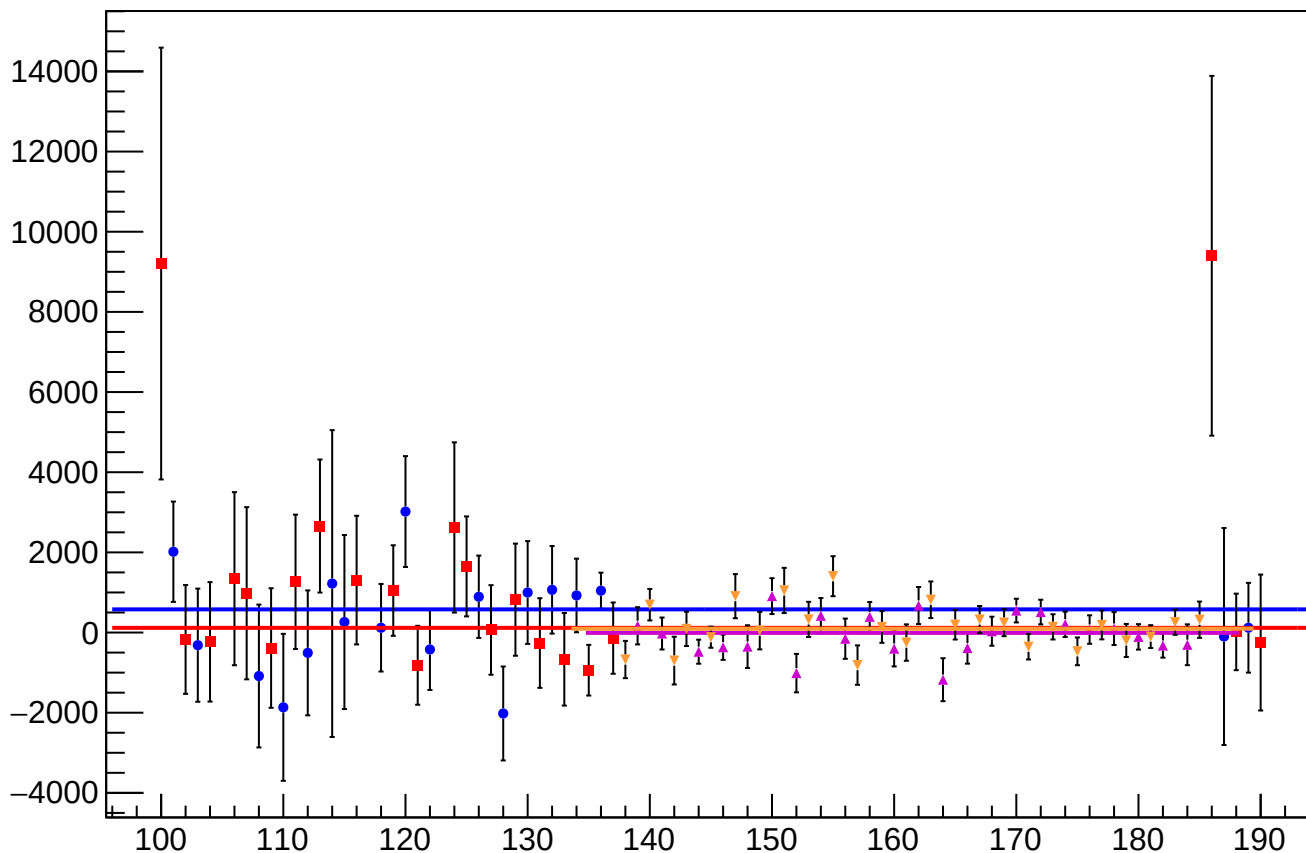
Left In: 53.695 ± 0.009 $\chi^2/\text{NDF}: 471343.7/22$

+ sign 57.042 ± 0.008 $\chi^2/\text{NDF}: 2015684.3/42$

All: 57.531 ± 0.006 $\chi^2/\text{NDF}: 4826602.1/87$

- sign 58.044 ± 0.008 $\chi^2/\text{NDF}: 2803018.8/44$

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug



Right In: 577.987 $\pm$ 258.353 χ^2 /NDF: 15.9/17

Left Out: 95.458 $\pm$ 77.134 χ^2 /NDF:33.2/24

Right Out: 117.499 $\pm$ 268.986 χ^2 /NDF: 19.4/21

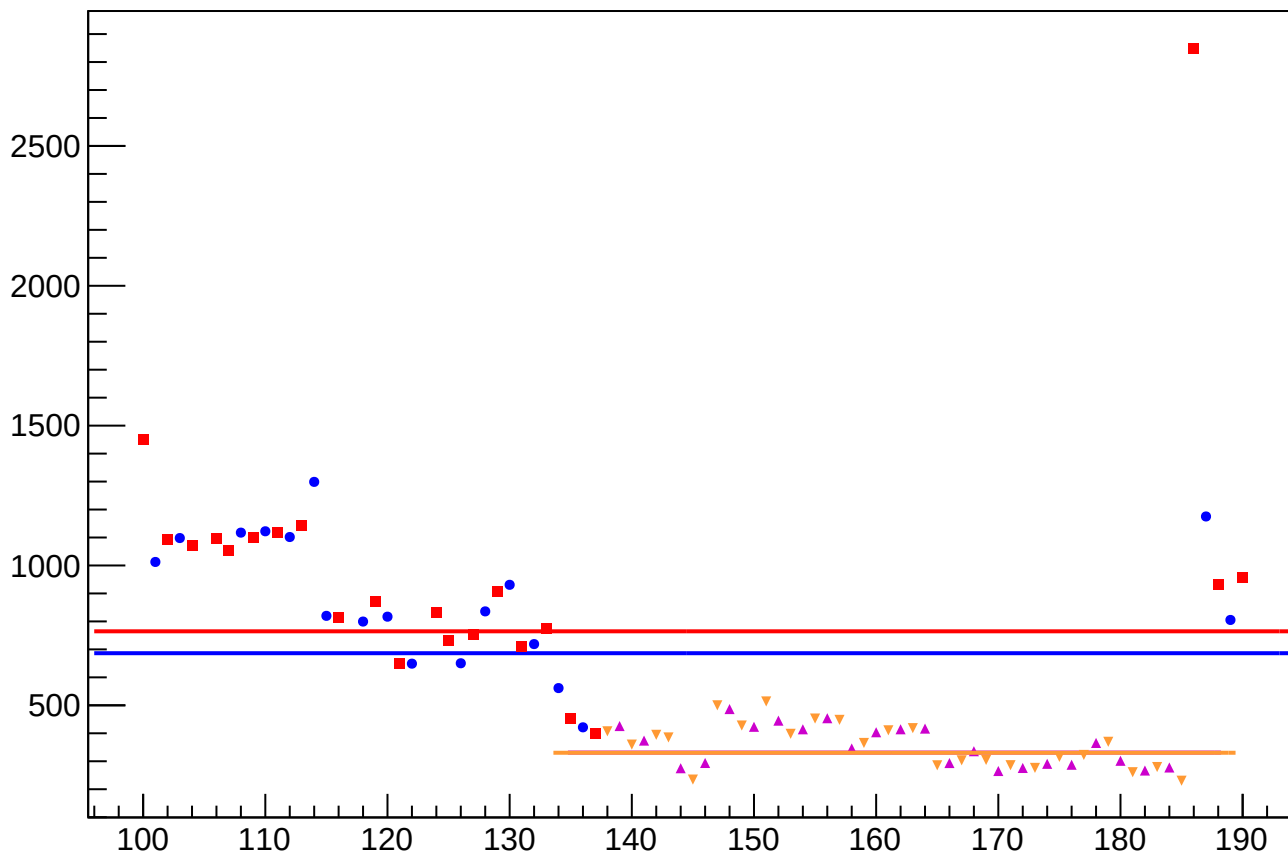
Left In: -7.875 $\pm$ 79.125 χ^2 /NDF:32.3/22

+ sign 134.950 $\pm$ 73.910 χ^2 /NDF: 52.3/42

All: 70.302 $\pm$ 52.955 χ^2 /NDF: 105.8/87

- sign 2.109 $\pm$ 75.909 χ^2 /NDF: 51.9/44

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug



Right In: 686.330+/-0.183 χ^2/NDF : 1709110.3/17

Left Out: 330.405+/-0.055 χ^2/NDF : 1752469.2/24

Right Out: 764.611+/-0.190 χ^2/NDF : 2035231.2/21

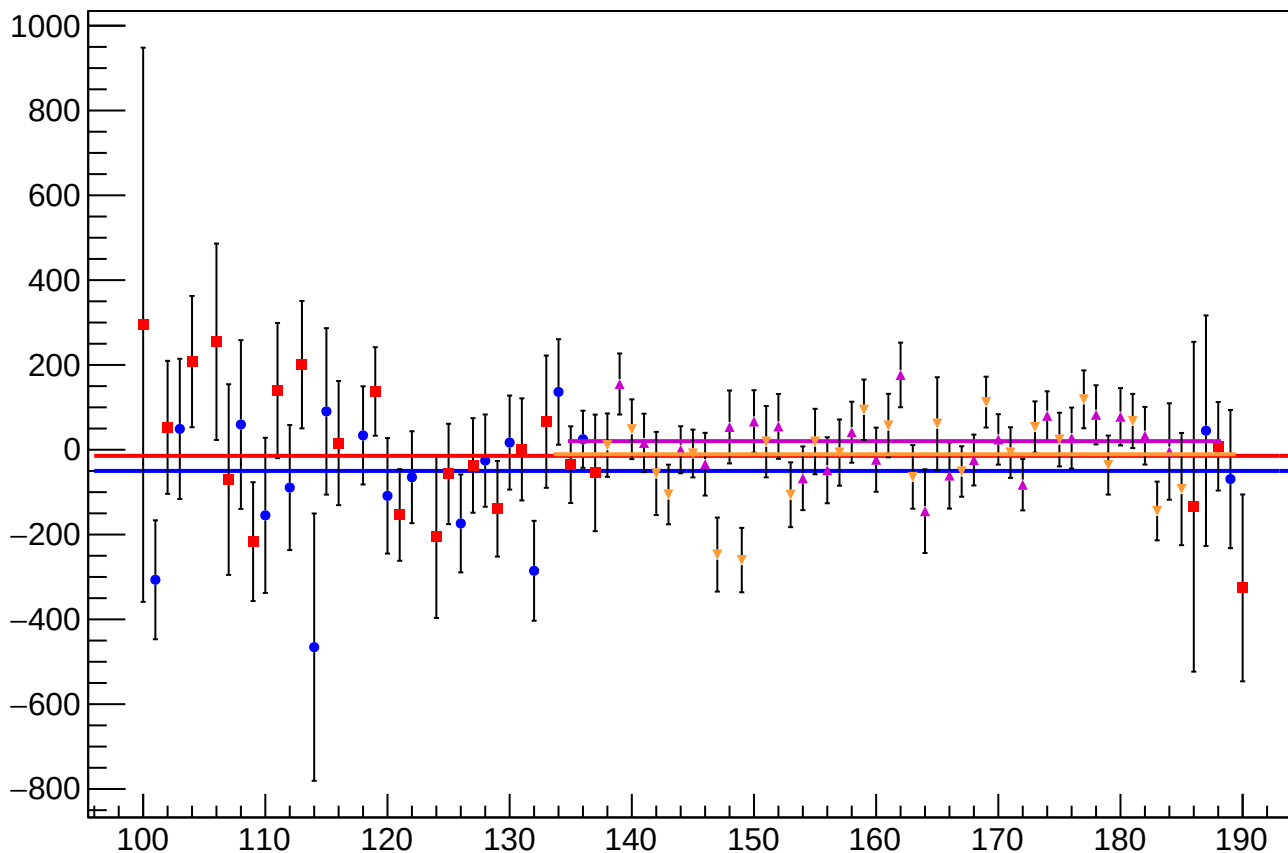
Left In: 331.058+/-0.056 χ^2/NDF : 1325610.1/22

+ sign 359.535+/-0.052 χ^2/NDF : 6946833.7/42

All: 362.480+/-0.037 χ^2/NDF : 15096225.4/87

- sign 365.586+/-0.054 χ^2/NDF : 8142867.6/44

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -49.923 ± 30.322 χ^2/NDF : 16.6/17

Left Out: -10.614 ± 14.311 χ^2/NDF : 42.2/24

Right Out: -14.390 ± 29.565 χ^2/NDF : 17.7/21

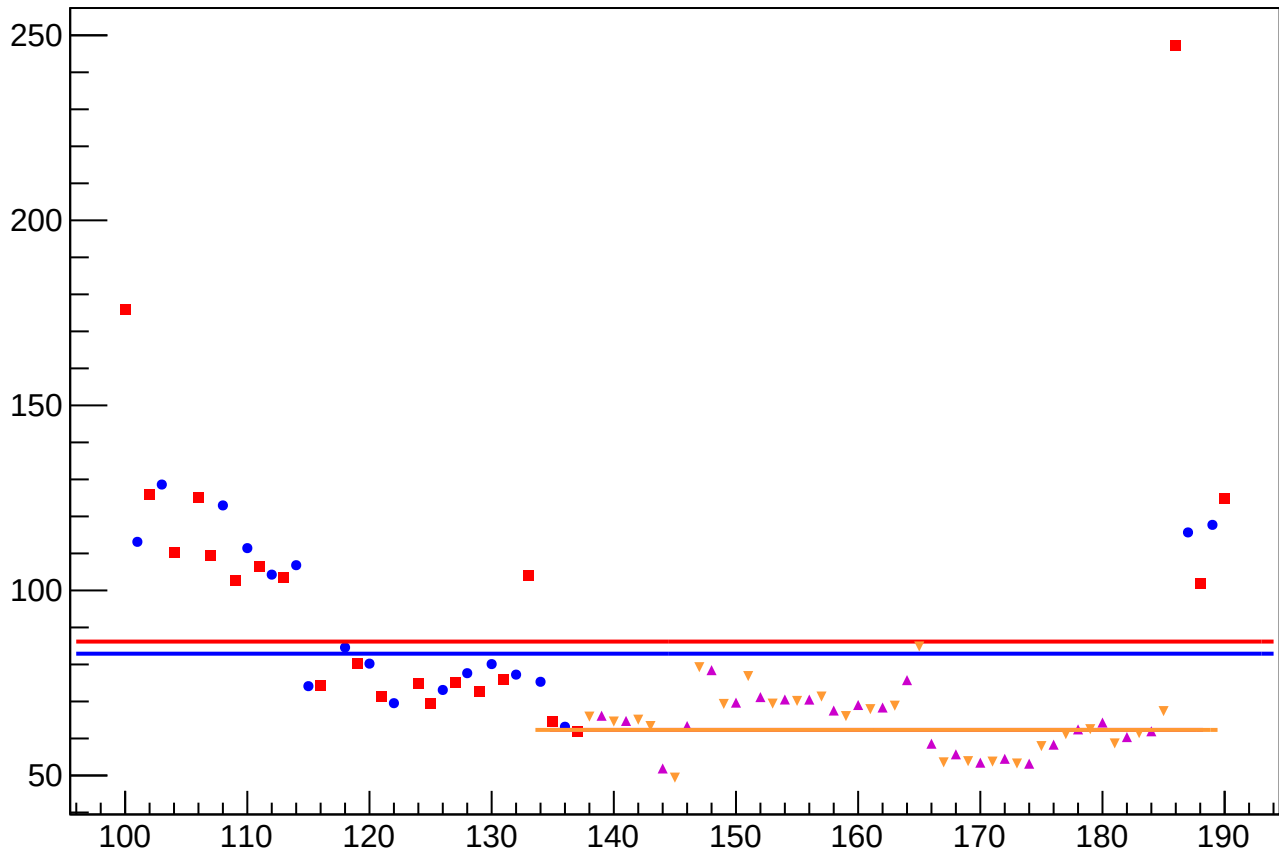
Left In: 20.306 ± 14.750 χ^2/NDF : 21.7/22

+ sign -17.775 ± 12.942 χ^2/NDF : 60.1/42

All: -2.498 ± 9.241 χ^2/NDF : 103.5/87

- sign 13.391 ± 13.199 χ^2/NDF : 40.5/44

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 82.910 $\pm$ 0.021 χ^2 /NDF: 789090.7/17

Left Out: 62.316 $\pm$ 0.010 χ^2 /NDF: 636269.1/24

Right Out: 86.182 $\pm$ 0.021 χ^2 /NDF: 1200446.2/21

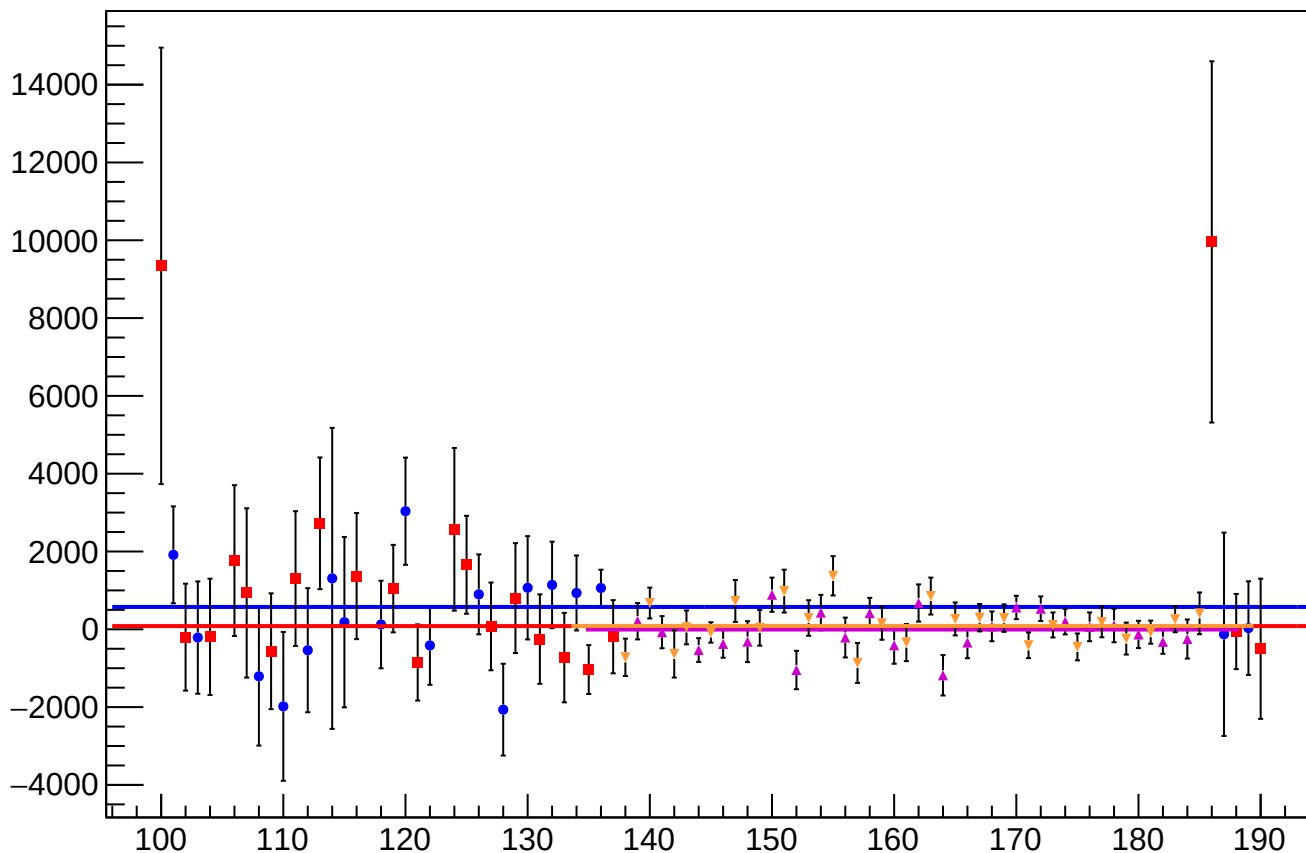
Left In: 62.310 $\pm$ 0.010 χ^2 /NDF: 484549.5/22

+ sign 66.068 $\pm$ 0.009 χ^2 /NDF: 2179857.5/42

All: 66.558 $\pm$ 0.007 χ^2 /NDF: 4914750.6/87

- sign 67.068 $\pm$ 0.009 χ^2 /NDF: 2729038.3/44

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 574.458 ± 265.761 χ^2/NDF : 16.1/17

Left Out: 86.985 ± 79.837 χ^2/NDF : 31.7/24

Right Out: 82.901 ± 271.365 χ^2/NDF : 20.8/21

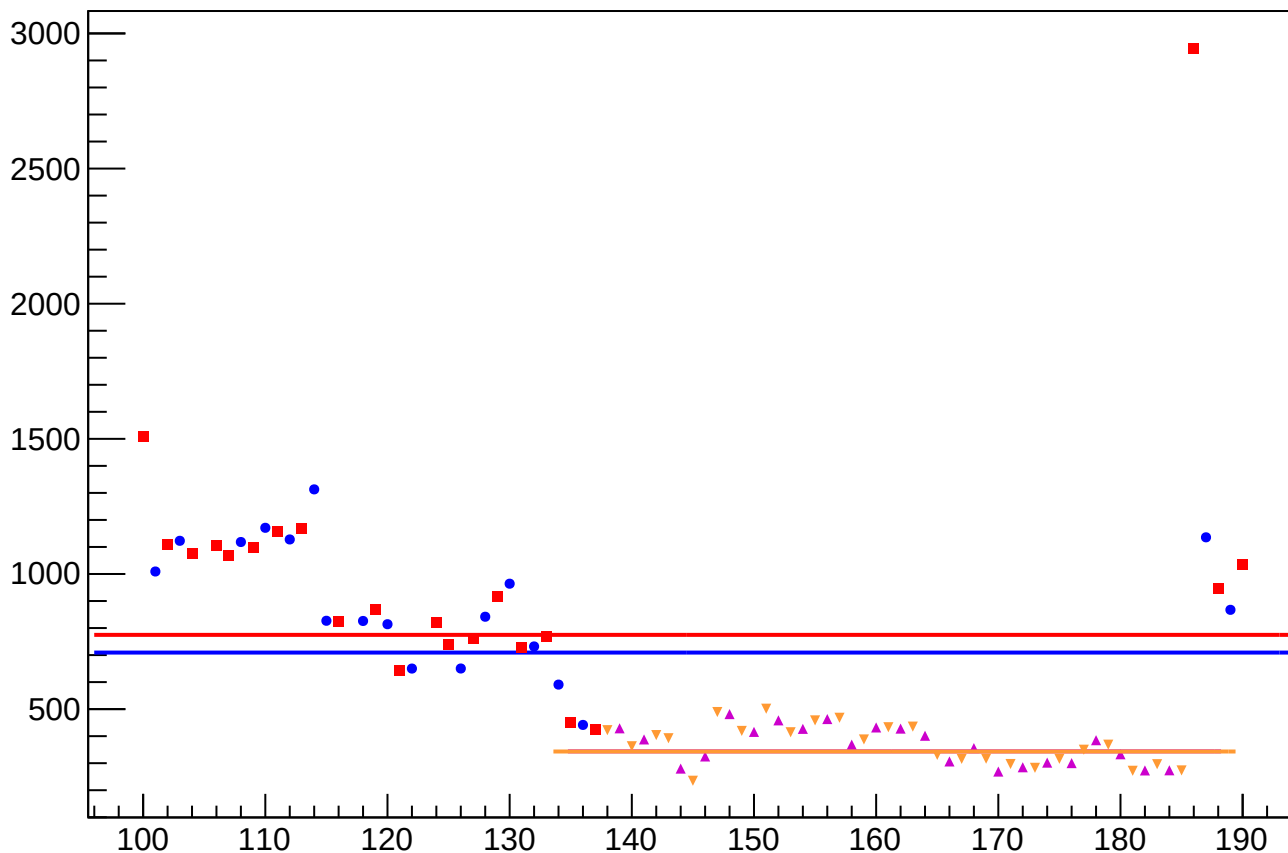
Left In: -6.497 ± 82.111 χ^2/NDF : 32.4/22

+ sign 127.335 ± 76.461 χ^2/NDF : 50.8/42

All: 65.904 ± 54.804 χ^2/NDF : 105.5/87

- sign 1.001 ± 78.592 χ^2/NDF : 53.3/44

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 709.254 $\pm$ 0.188 χ^2 /NDF: 1607666.0/17

Left Out: 343.225 $\pm$ 0.056 χ^2 /NDF: 1595394.3/24

Right Out: 774.741 $\pm$ 0.192 χ^2 /NDF: 2060449.4/21

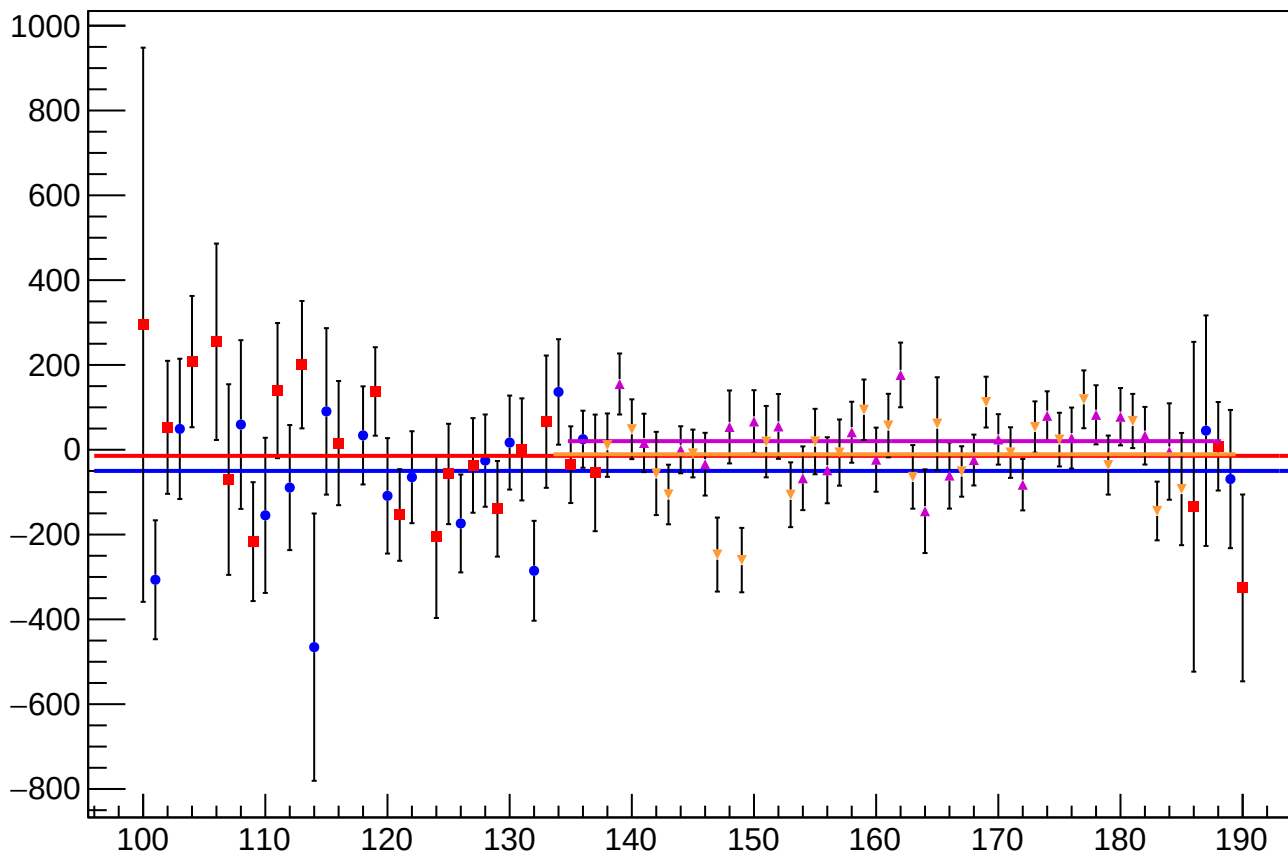
Left In: 343.717 $\pm$ 0.058 χ^2 /NDF: 1258376.8/22

+ sign 373.523 $\pm$ 0.054 χ^2 /NDF: 6682869.4/42

All: 376.609 $\pm$ 0.039 χ^2 /NDF: 14630923.6/87

- sign 379.870 $\pm$ 0.056 χ^2 /NDF: 7941352.7/44

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -49.923 ± 30.322 χ^2/NDF : 16.6/17

Left Out: -10.613 ± 14.311 χ^2/NDF : 42.2/24

Right Out: -14.390 ± 29.565 χ^2/NDF : 17.7/21

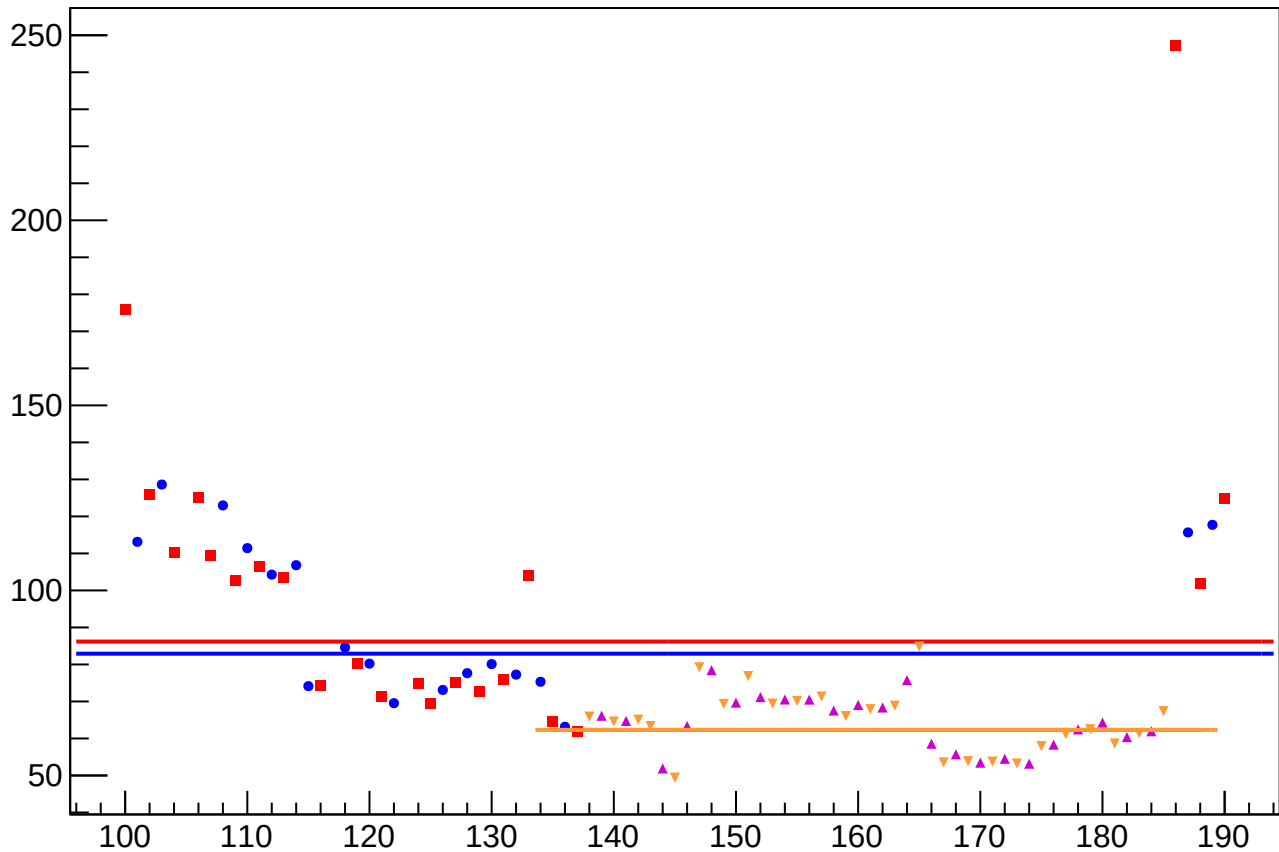
Left In: 20.306 ± 14.750 χ^2/NDF : 21.7/22

+ sign -17.774 ± 12.942 χ^2/NDF : 60.1/42

All: -2.498 ± 9.241 χ^2/NDF : 103.5/87

- sign 13.391 ± 13.199 χ^2/NDF : 40.5/44

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 82.910 $\pm$ 0.021 χ^2 /NDF: 789087.7/17

Left Out: 62.316 $\pm$ 0.010 χ^2 /NDF: 636268.2/24

Right Out: 86.182 $\pm$ 0.021 χ^2 /NDF: 1200427.1/21

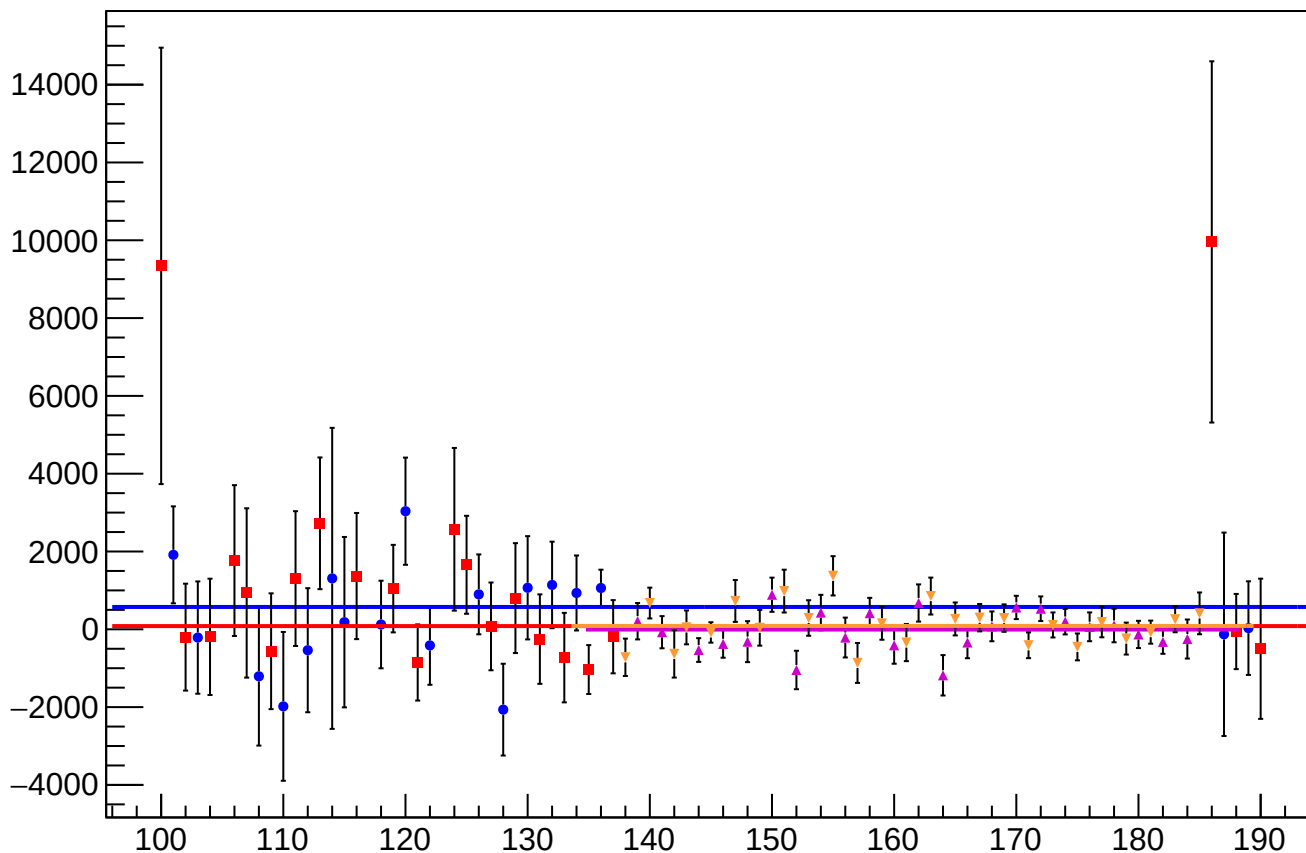
Left In: 62.311 $\pm$ 0.010 χ^2 /NDF: 484544.3/22

+ sign 66.068 $\pm$ 0.009 χ^2 /NDF: 2179822.0/42

All: 66.558 $\pm$ 0.007 χ^2 /NDF: 4914657.4/87

- sign 67.068 $\pm$ 0.009 χ^2 /NDF: 2728978.9/44

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug



Right In: 574.458 ± 265.761 χ^2/NDF : 16.1/17

Left Out: 86.985 ± 79.837 χ^2/NDF : 31.7/24

Right Out: 82.903 ± 271.365 χ^2/NDF : 20.8/21

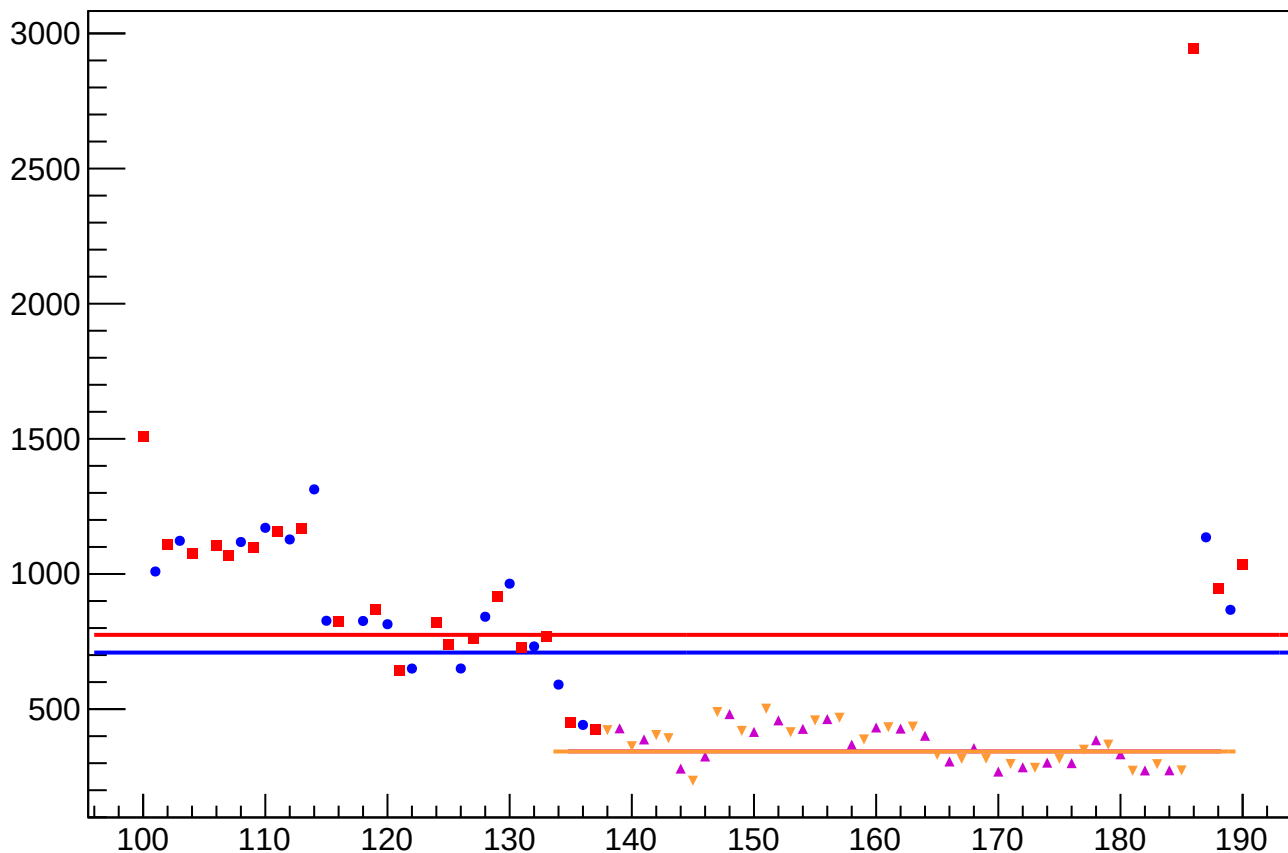
Left In: -6.497 ± 82.111 χ^2/NDF : 32.4/22

+ sign 127.335 ± 76.461 χ^2/NDF : 50.8/42

All: 65.904 ± 54.804 χ^2/NDF : 105.5/87

- sign 1.001 ± 78.592 χ^2/NDF : 53.3/44

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 709.253+/-0.188 χ^2/NDF : 1607651.3/17

Left Out: 343.225+/-0.056 χ^2/NDF : 1595415.4/24

Right Out: 774.740+/-0.192 χ^2/NDF : 2060438.3/21

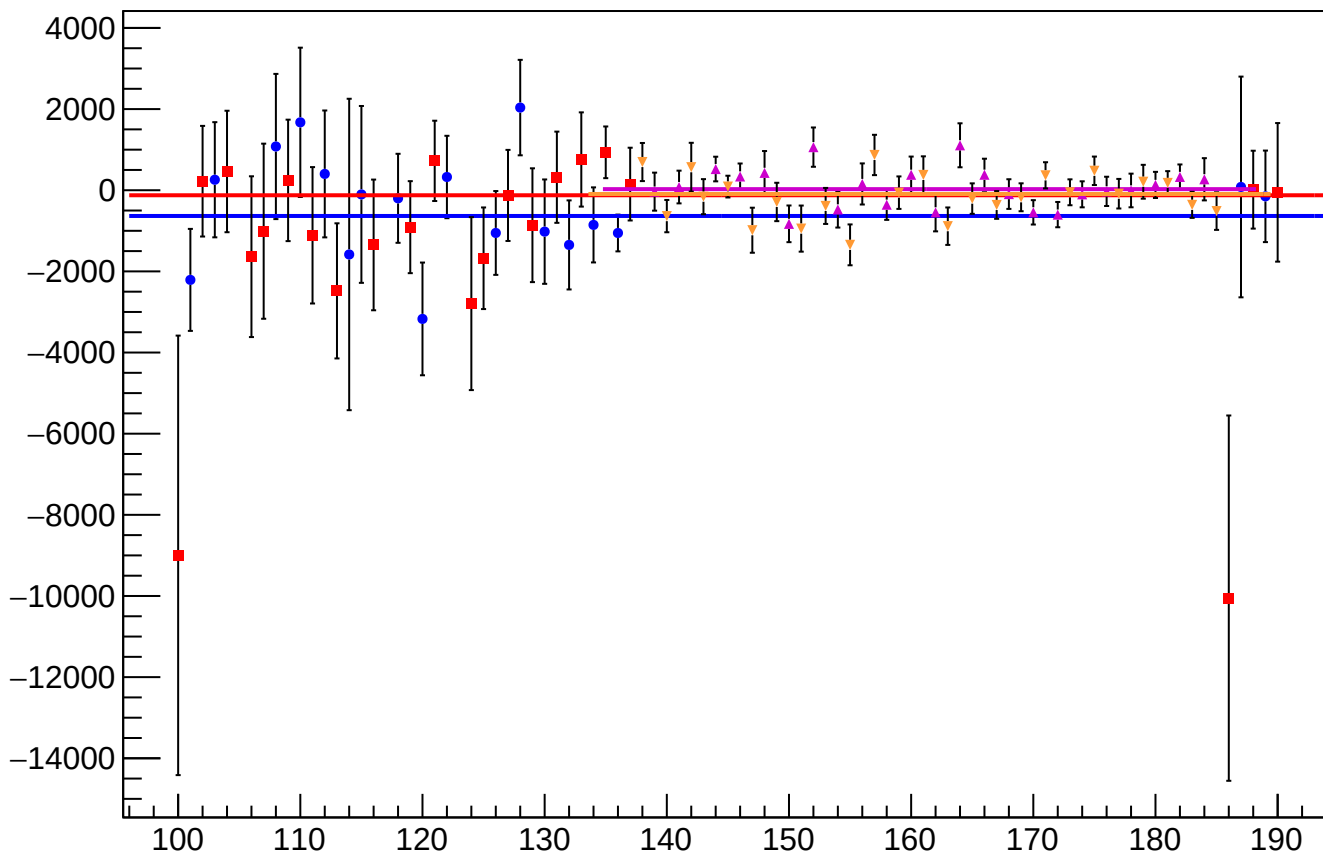
Left In: 343.717+/-0.058 χ^2/NDF : 1258392.0/22

+ sign 373.523+/-0.054 χ^2/NDF : 6682869.3/42

All: 376.609+/-0.039 χ^2/NDF : 14630916.4/87

- sign 379.870+/-0.056 χ^2/NDF : 7941345.3/44

asym_sam_15_26_dd_mean vs Slug



Right In: -634.155 ± 259.963 χ^2/NDF : 16.4/17

Left Out: -92.671 ± 78.184 χ^2/NDF : 34.2/24

Right Out: -123.818 ± 270.038 χ^2/NDF : 19.7/21

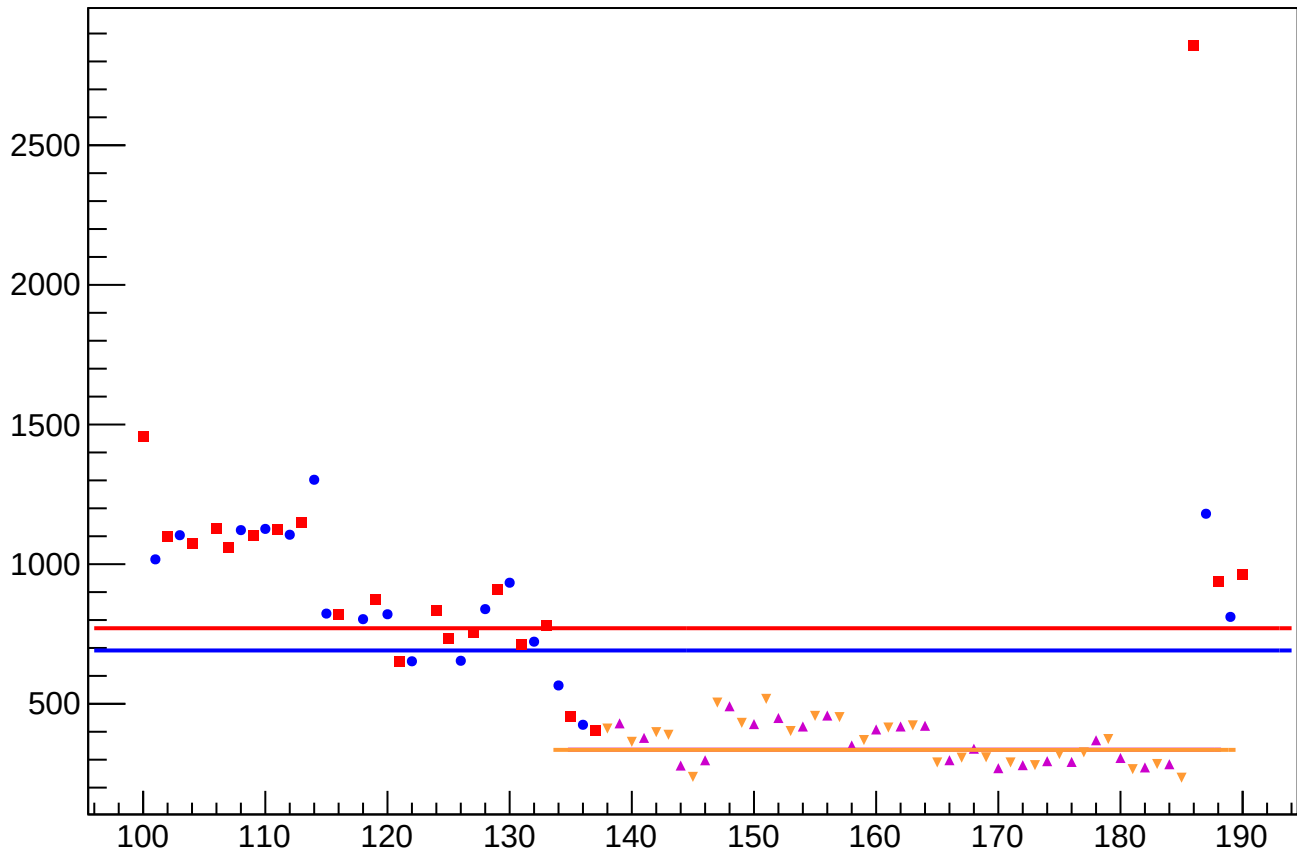
Left In: 27.173 ± 80.207 χ^2/NDF : 30.9/22

+ sign -137.586 ± 74.871 χ^2/NDF : 54.6/42

All: -63.353 ± 53.641 χ^2/NDF : 107.5/87

- sign 14.933 ± 76.888 χ^2/NDF : 50.9/44

asym_sam_15_26_dd_rms vs Slug



Right In: 691.047 ± 0.184 $\chi^2/\text{NDF}: 1692144.0/17$

Left Out: 335.150 ± 0.055 $\chi^2/\text{NDF}: 1706014.2/24$

Right Out: 770.665 ± 0.191 $\chi^2/\text{NDF}: 2039558.2/21$

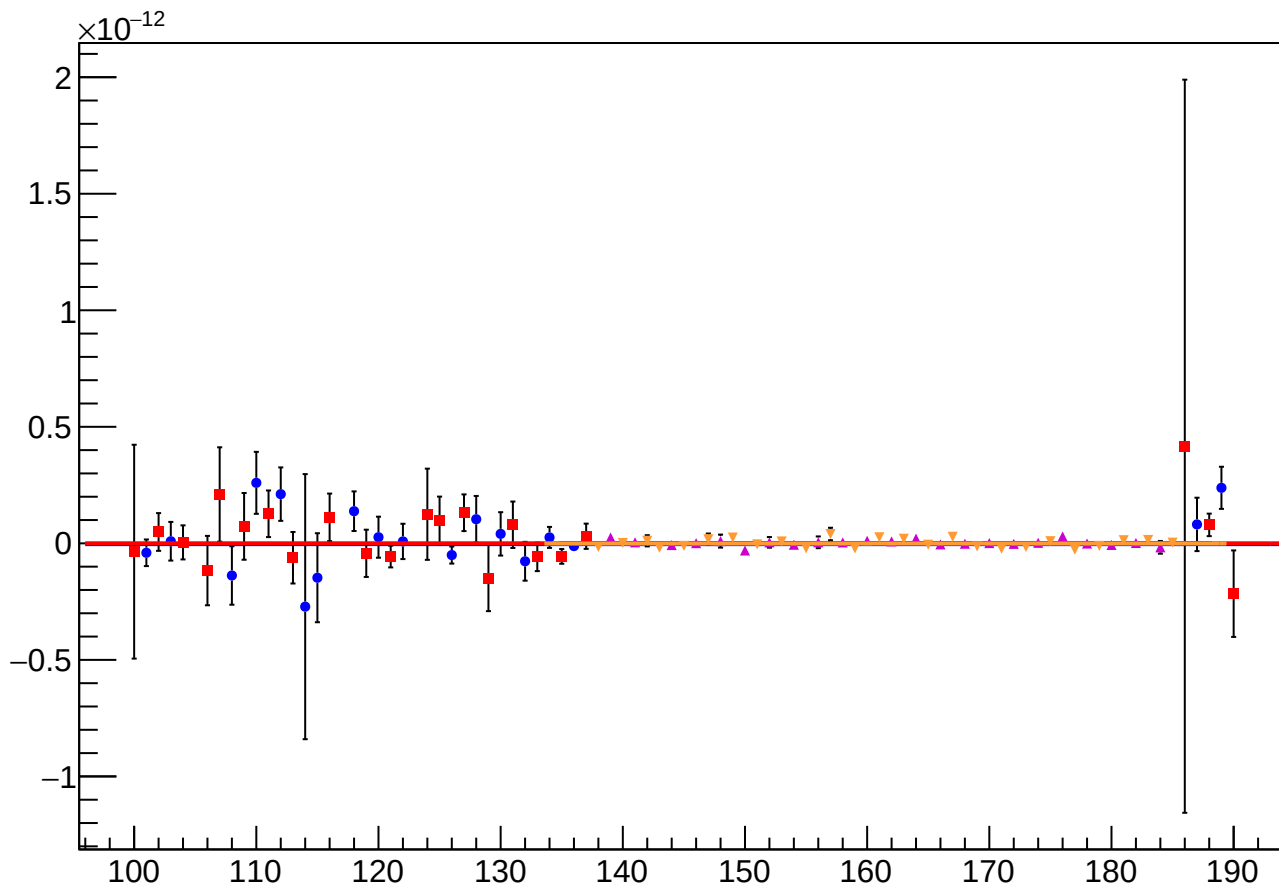
Left In: 335.787 ± 0.057 $\chi^2/\text{NDF}: 1291376.5/22$

+ sign 364.671 ± 0.053 $\chi^2/\text{NDF}: 6835708.9/42$

All: 367.772 ± 0.038 $\chi^2/\text{NDF}: 14940154.3/87$

- sign 371.043 ± 0.054 $\chi^2/\text{NDF}: 8097395.0/44$

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 25.0/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 33.3/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.3/21

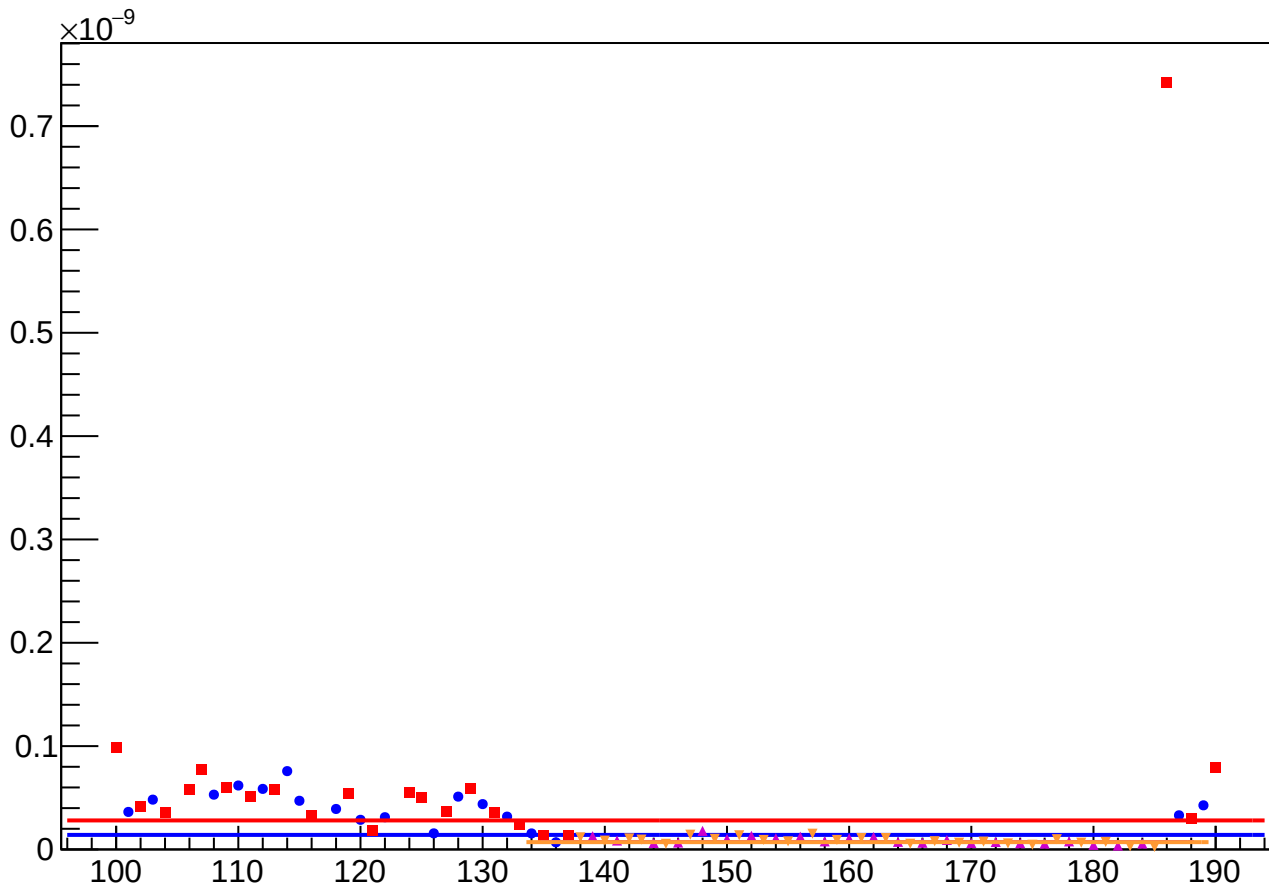
Left In: 0.000 ± 0.000 χ^2/NDF : 14.8/22

+ sign -0.000 ± 0.000 χ^2/NDF : 58.4/42

All: 0.000 ± 0.000 χ^2/NDF : 94.9/87

- sign 0.000 ± 0.000 χ^2/NDF : 36.1/44

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3305922.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2000233.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2311023.6/21

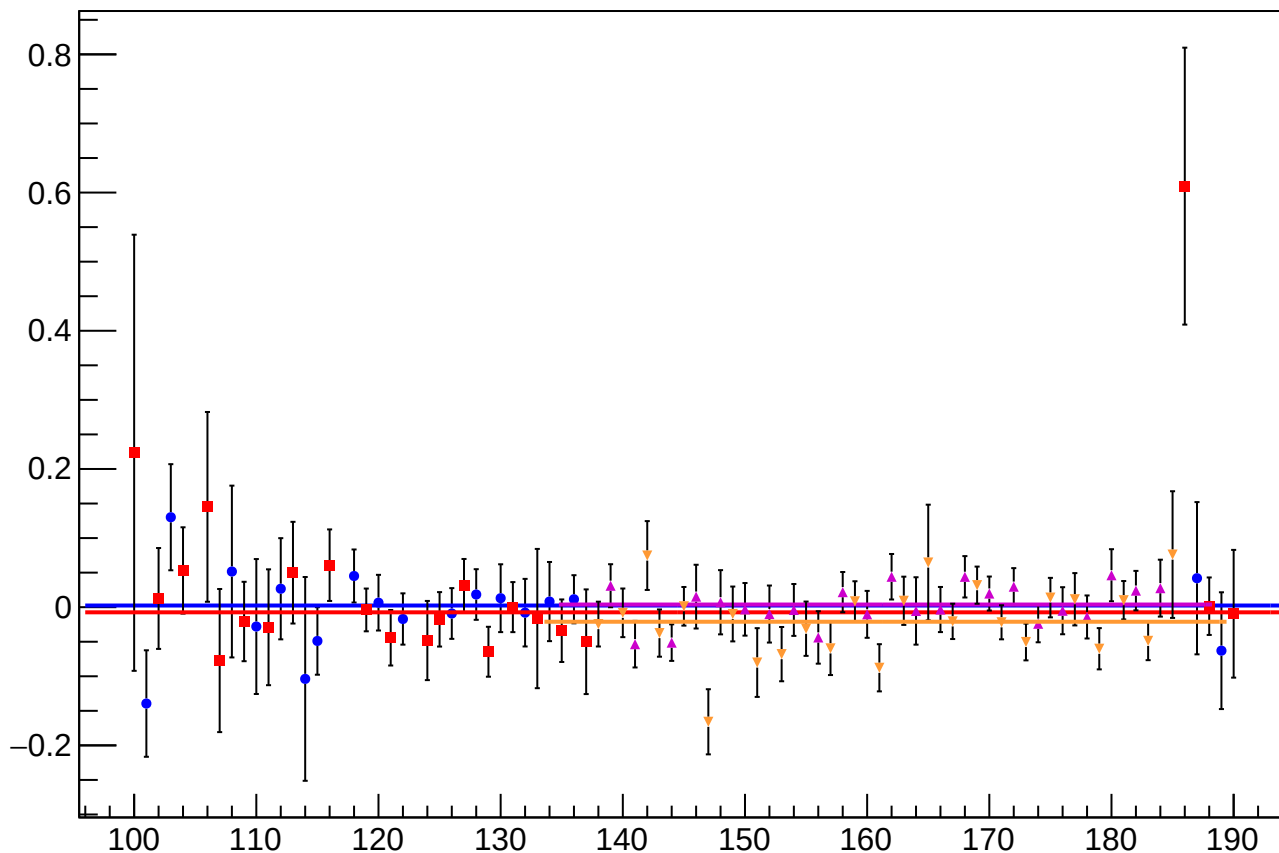
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 1604062.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6157949.4/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13282531.0/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7111991.7/44

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.012 χ^2/NDF : 10.9/17

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.007 ± 0.011 χ^2/NDF : 20.8/21

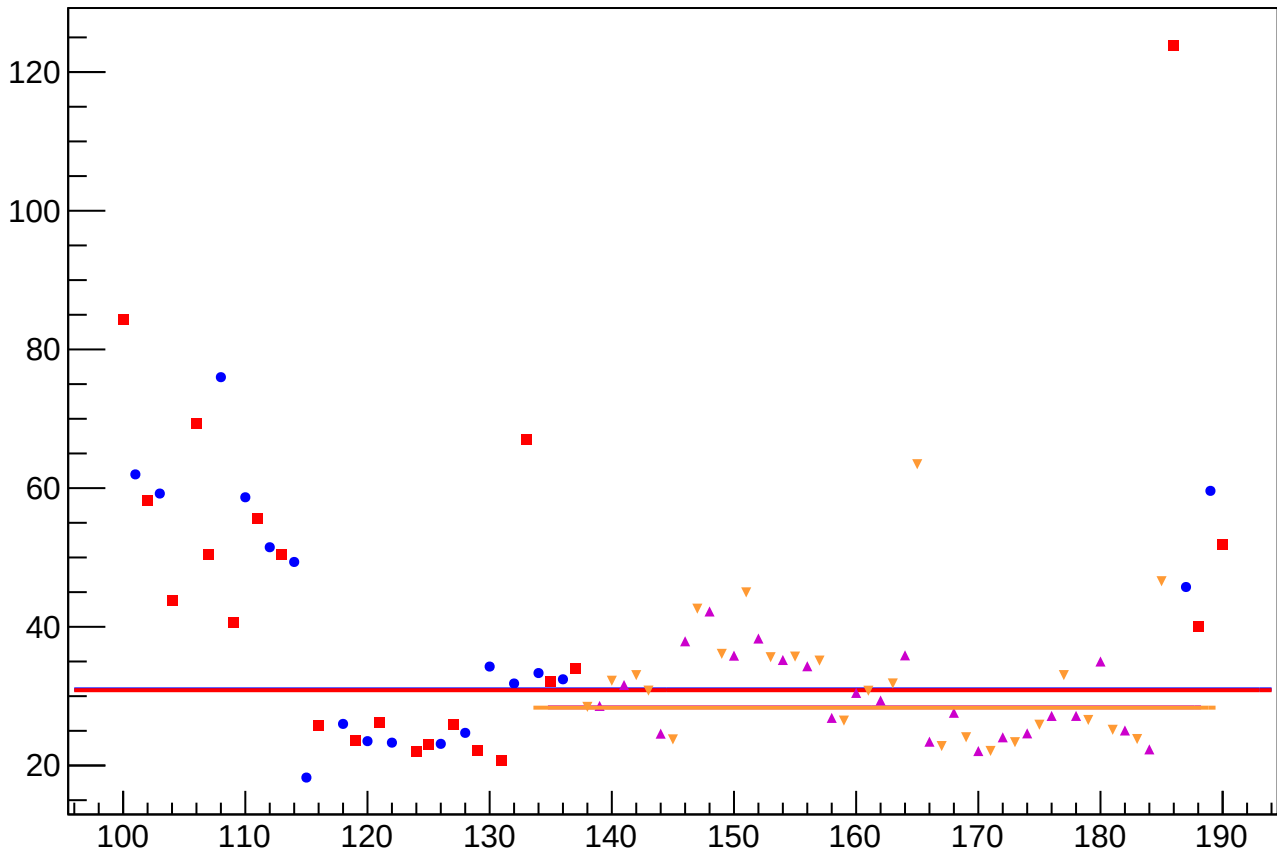
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.016 ± 0.006 χ^2/NDF : 50.9/42

All: -0.007 ± 0.004 χ^2/NDF : 95.1/87

- sign 0.001 ± 0.006 χ^2/NDF : 40.2/44

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.975 ± 0.009 $\chi^2/\text{NDF}: 1961184.0/17$

Left Out: 28.342 ± 0.005 $\chi^2/\text{NDF}: 1733592.1/24$

Right Out: 30.859 ± 0.008 $\chi^2/\text{NDF}: 2508475.4/21$

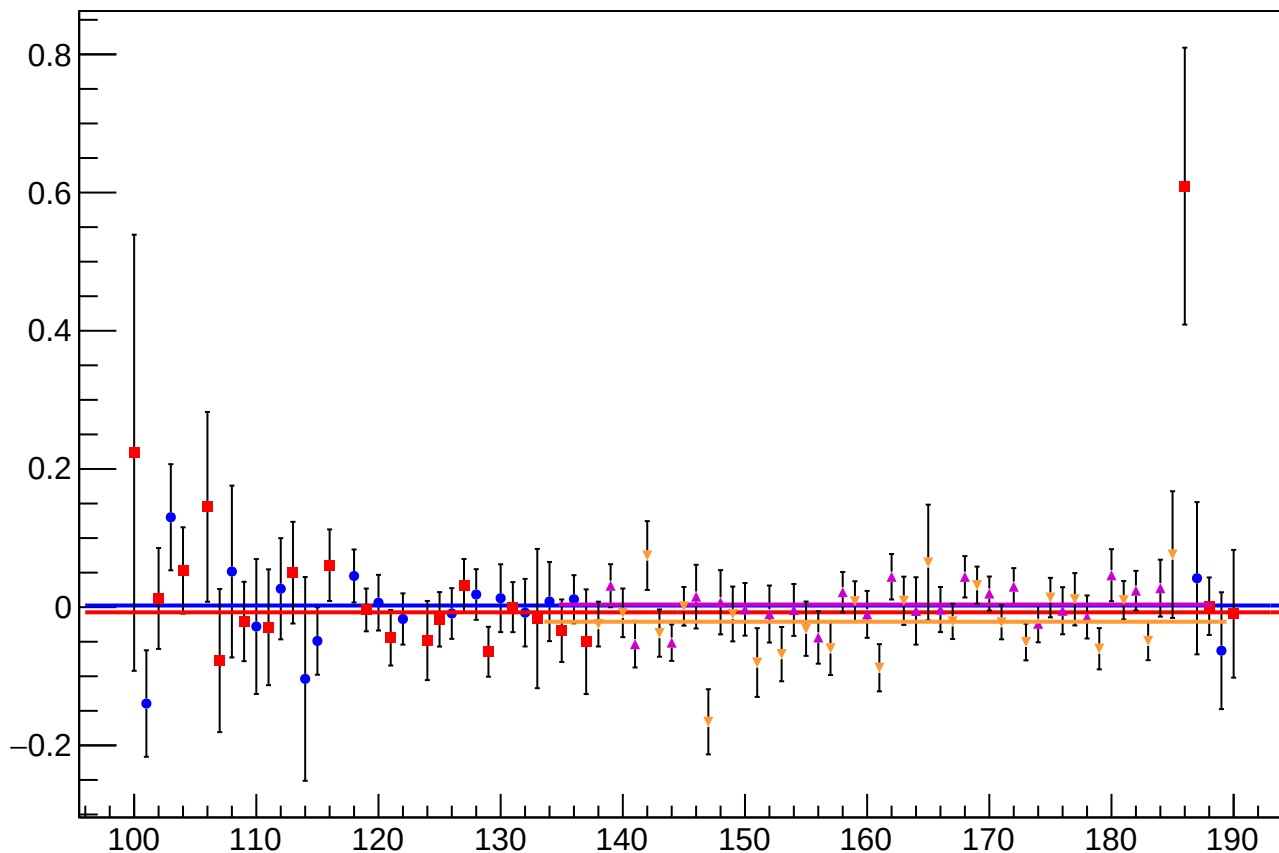
Left In: 28.389 ± 0.005 $\chi^2/\text{NDF}: 1098849.1/22$

+ sign 28.957 ± 0.004 $\chi^2/\text{NDF}: 3767609.2/42$

All: 29.007 ± 0.003 $\chi^2/\text{NDF}: 7445357.2/87$

- sign 29.057 ± 0.004 $\chi^2/\text{NDF}: 3677452.6/44$

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 $\pm$ 0.012 χ^2/NDF : 10.9/17

Left Out: -0.021 $\pm$ 0.007 χ^2/NDF : 37.2/24

Right Out: -0.007 $\pm$ 0.011 χ^2/NDF : 20.8/21

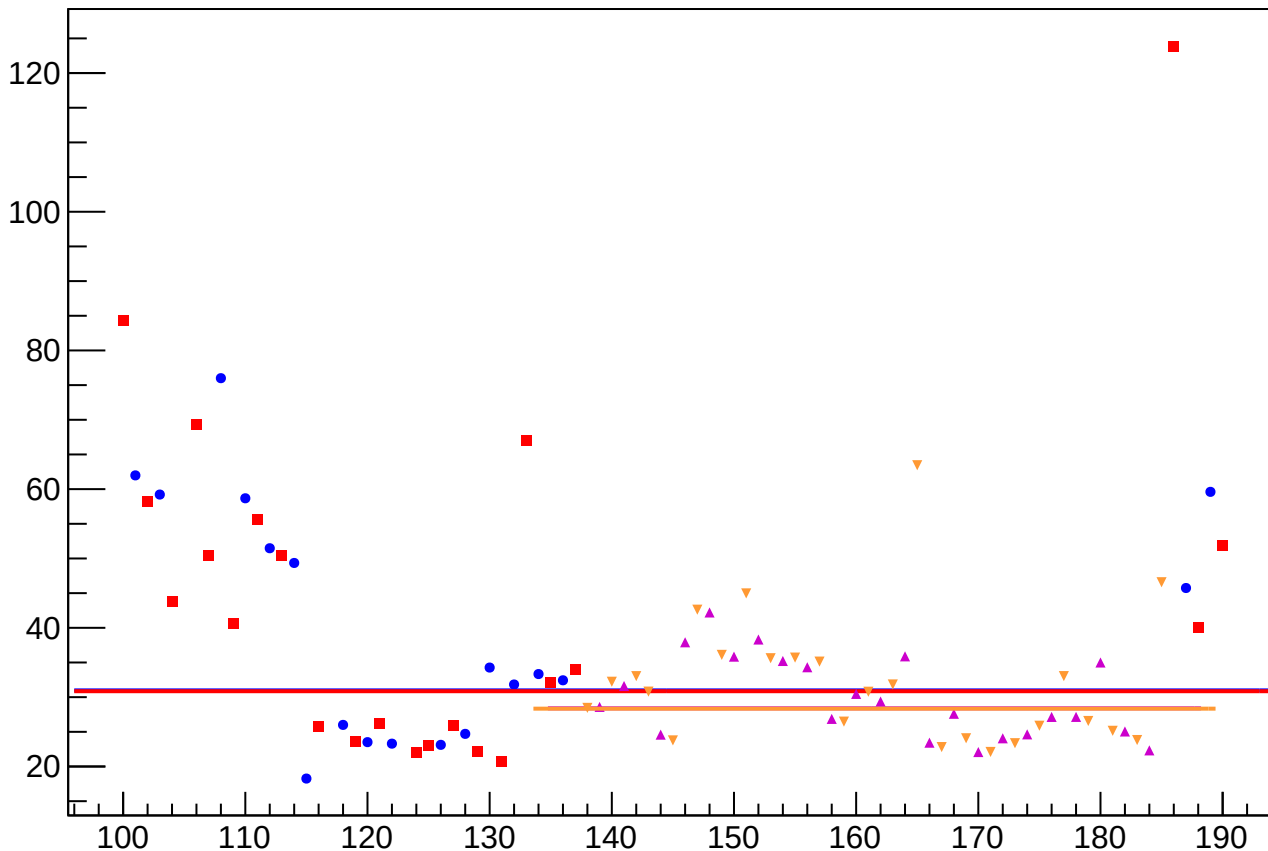
Left In: 0.004 $\pm$ 0.007 χ^2/NDF : 18.7/22

+ sign -0.016 $\pm$ 0.006 χ^2/NDF : 50.9/42

All: -0.007 $\pm$ 0.004 χ^2/NDF : 95.1/87

- sign 0.001 $\pm$ 0.006 χ^2/NDF : 40.2/44

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.975 $\pm$ 0.009 χ^2 /NDF: 1961184.0/17

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF: 1733592.1/24

Right Out: 30.859 $\pm$ 0.008 χ^2 /NDF: 2508475.4/21

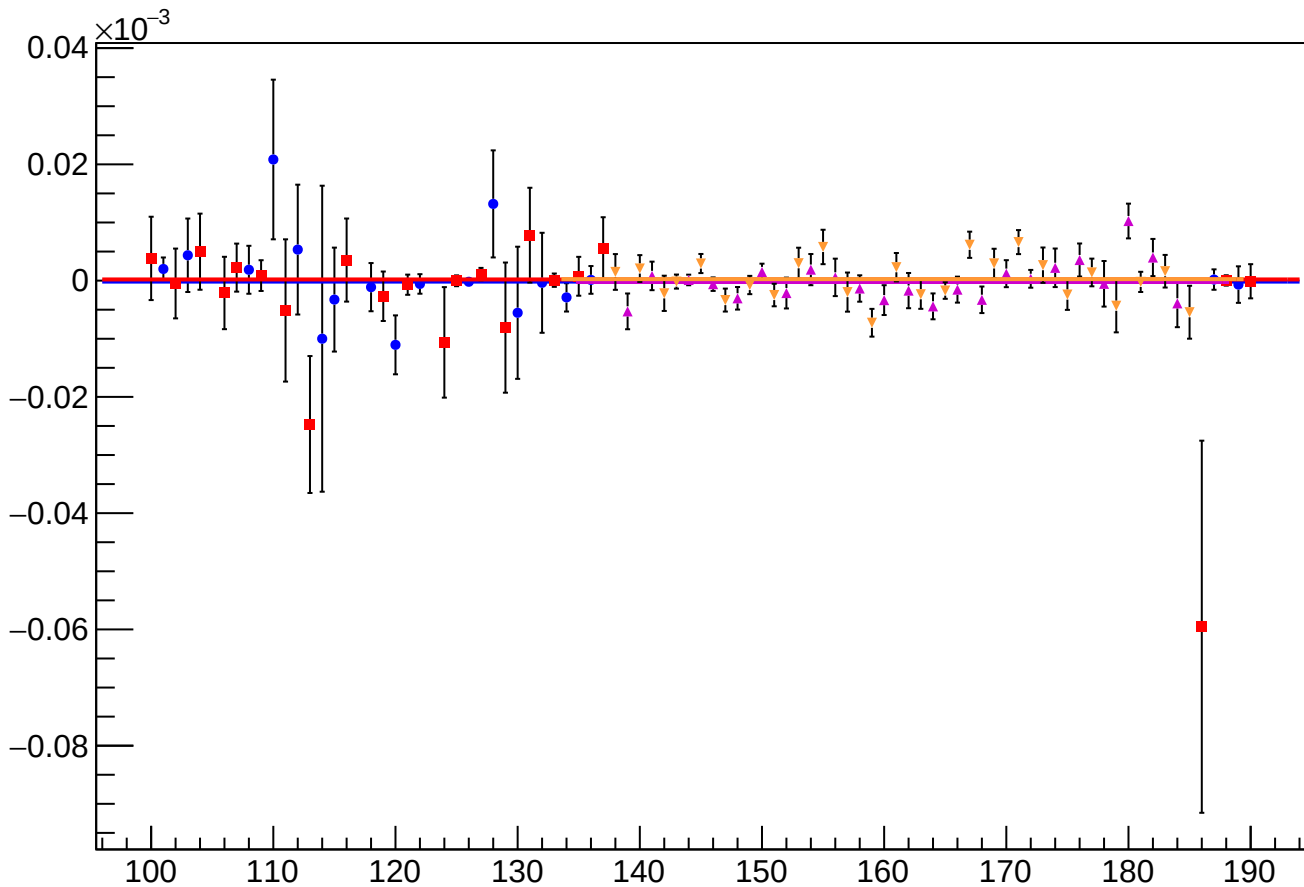
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF: 1098849.1/22

+ sign 28.957 $\pm$ 0.004 χ^2 /NDF: 3767609.2/42

All: 29.007 $\pm$ 0.003 χ^2 /NDF: 7445357.2/87

- sign 29.057 $\pm$ 0.004 χ^2 /NDF: 3677452.6/44

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 13.2/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 50.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 15.0/21

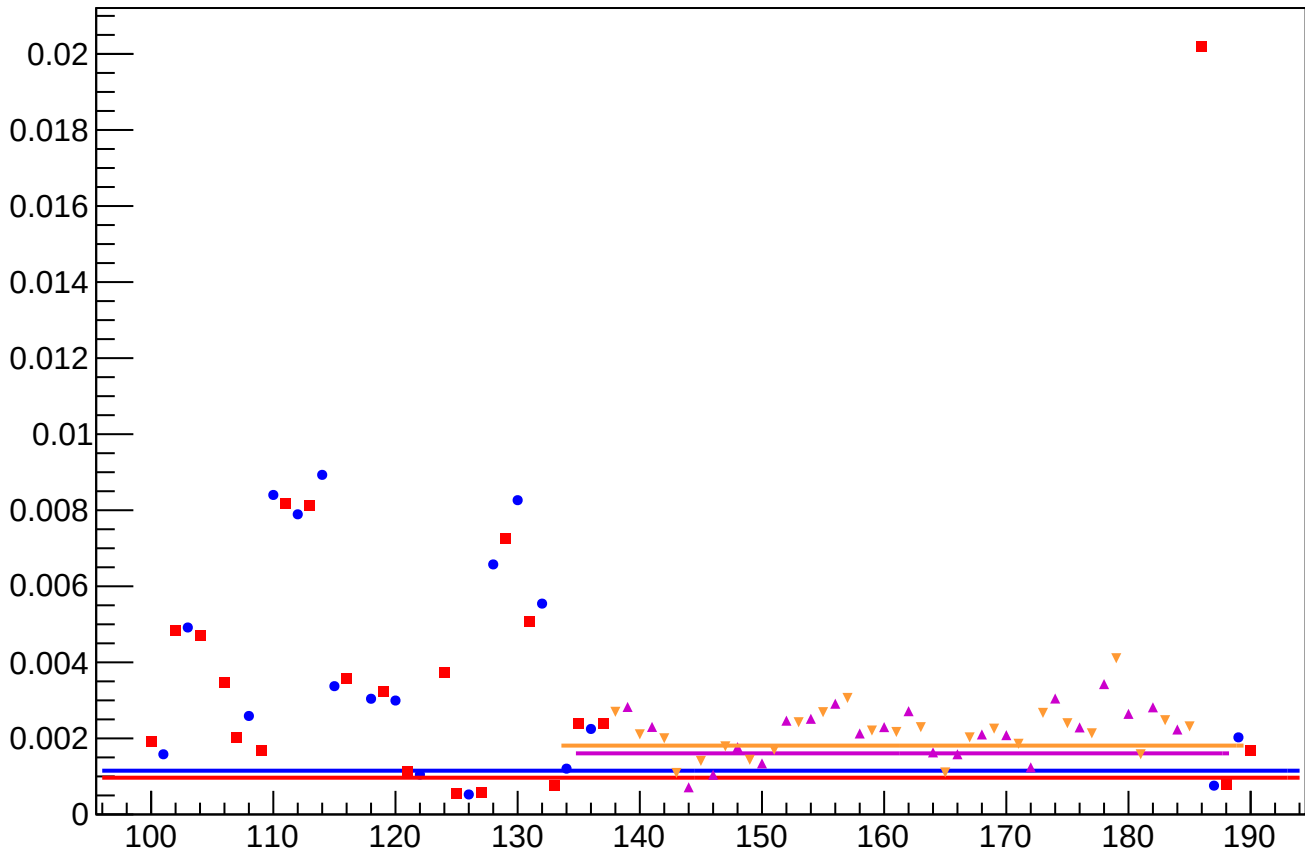
Left In: -0.000 ± 0.000 χ^2/NDF : 33.2/22

+ sign 0.000 ± 0.000 χ^2/NDF : 64.3/42

All: 0.000 ± 0.000 χ^2/NDF : 113.1/87

- sign -0.000 ± 0.000 χ^2/NDF : 48.7/44

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 7138933.7/17

Left Out: 0.002+/-0.000 χ^2/NDF : 3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 7864625.3/21

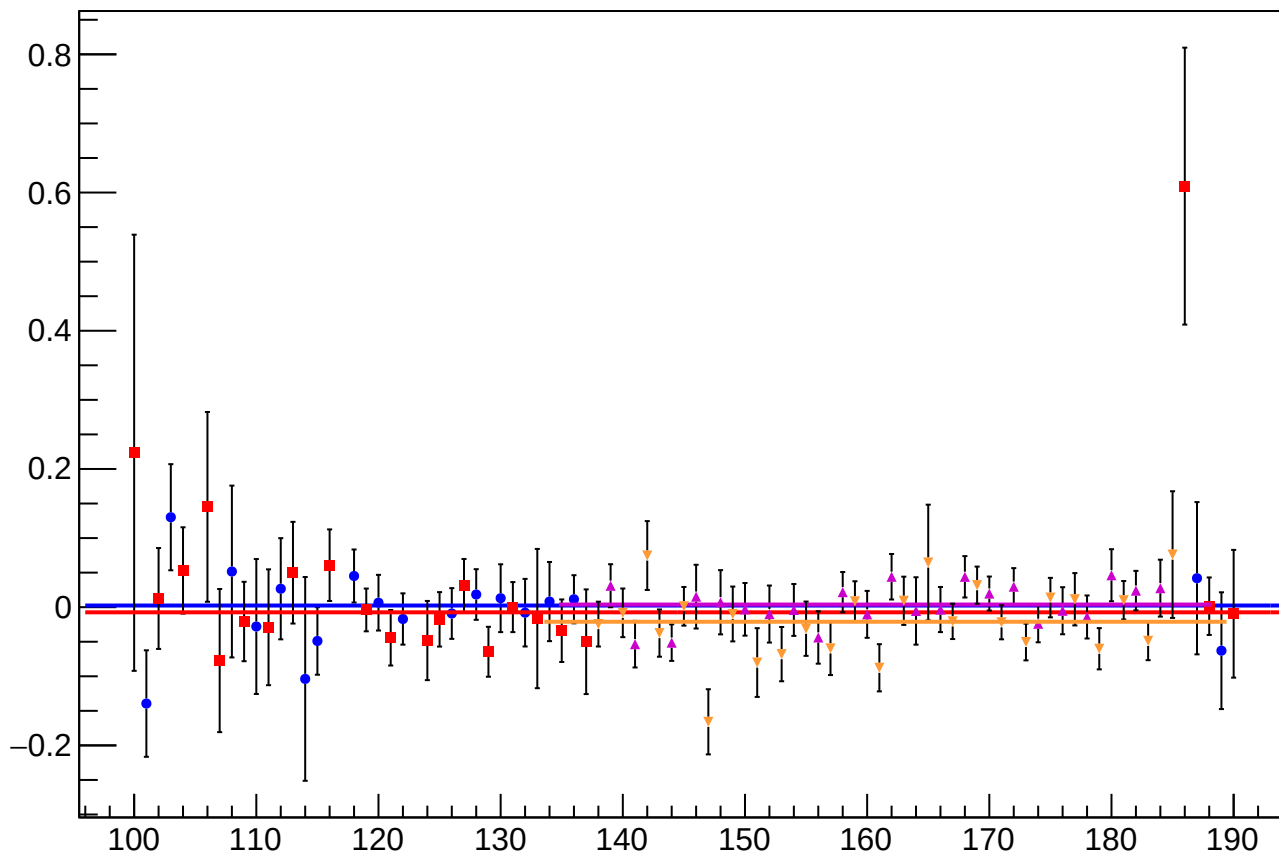
Left In: 0.002+/-0.000 χ^2/NDF : 6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF : 12266796.5/42

All: 0.001+/-0.000 χ^2/NDF : 28994159.4/87

- sign 0.001+/-0.000 χ^2/NDF : 16067371.6/44

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002 ± 0.012 χ^2/NDF : 10.9/17

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.007 ± 0.011 χ^2/NDF : 20.8/21

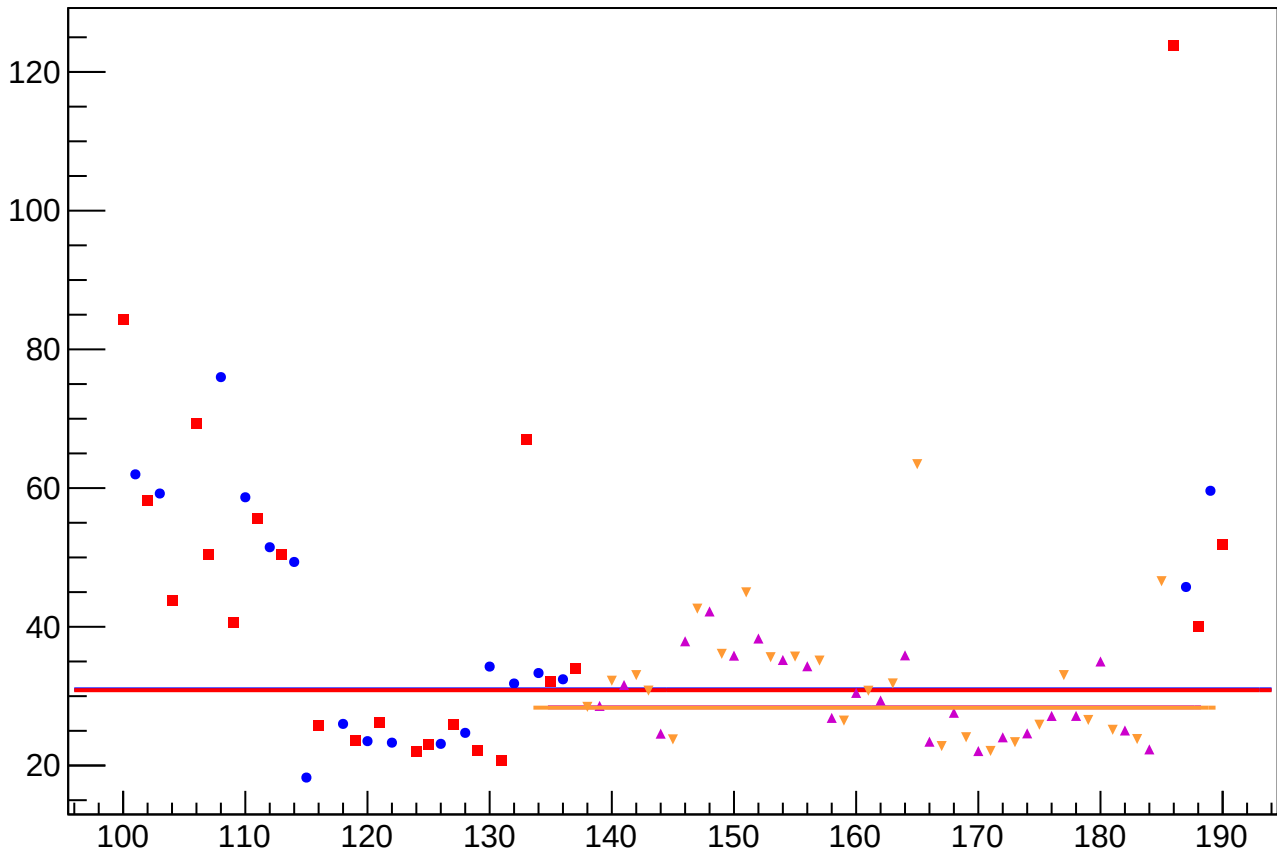
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.016 ± 0.006 χ^2/NDF : 50.9/42

All: -0.007 ± 0.004 χ^2/NDF : 95.1/87

- sign 0.001 ± 0.006 χ^2/NDF : 40.2/44

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.975 ± 0.009 $\chi^2/\text{NDF}: 1961022.7/17$

Left Out: 28.342 ± 0.005 $\chi^2/\text{NDF}: 1733585.3/24$

Right Out: 30.858 ± 0.008 $\chi^2/\text{NDF}: 2508457.4/21$

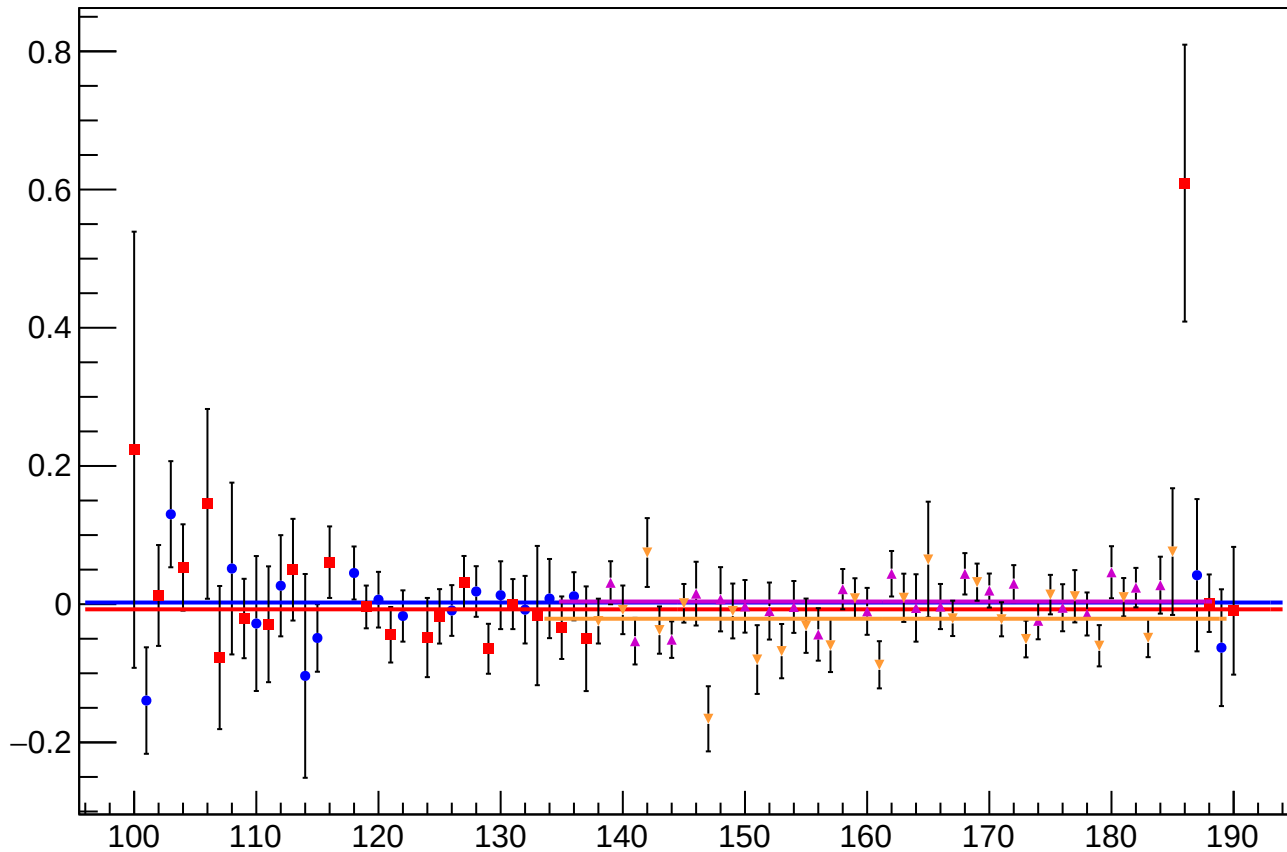
Left In: 28.389 ± 0.005 $\chi^2/\text{NDF}: 1098852.1/22$

+ sign 28.957 ± 0.004 $\chi^2/\text{NDF}: 3767440.5/42$

All: 29.007 ± 0.003 $\chi^2/\text{NDF}: 7445130.2/87$

- sign 29.058 ± 0.004 $\chi^2/\text{NDF}: 3677394.5/44$

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002 ± 0.012 χ^2/NDF : 10.9/17

Left Out: -0.021 ± 0.007 χ^2/NDF : 37.2/24

Right Out: -0.007 ± 0.011 χ^2/NDF : 20.8/21

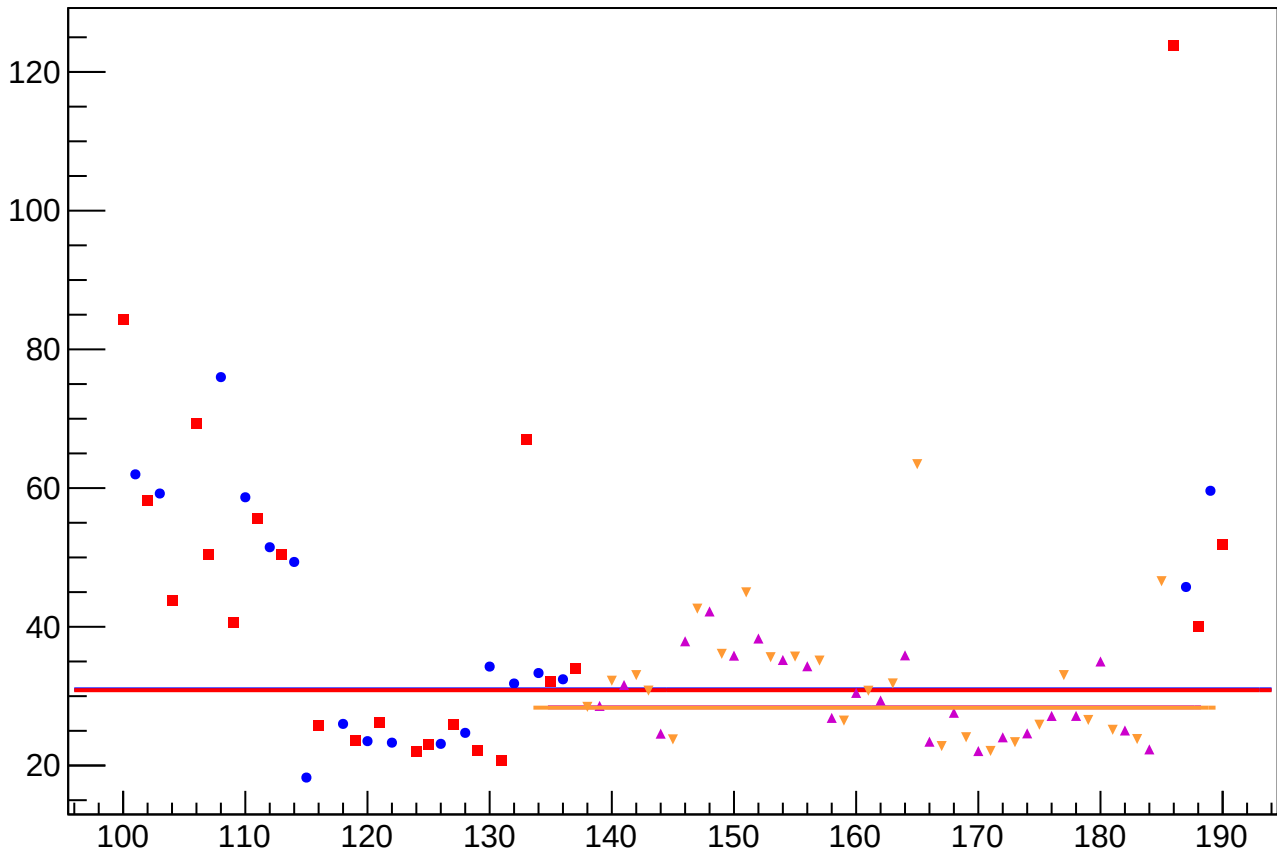
Left In: 0.004 ± 0.007 χ^2/NDF : 18.7/22

+ sign -0.016 ± 0.006 χ^2/NDF : 50.9/42

All: -0.007 ± 0.004 χ^2/NDF : 95.1/87

- sign 0.001 ± 0.006 χ^2/NDF : 40.2/44

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.975 $\pm$ 0.009 χ^2 /NDF: 1961022.7/17

Left Out: 28.342 $\pm$ 0.005 χ^2 /NDF:1733585.3/24

Right Out: 30.858 $\pm$ 0.008 χ^2 /NDF: 2508457.4/21

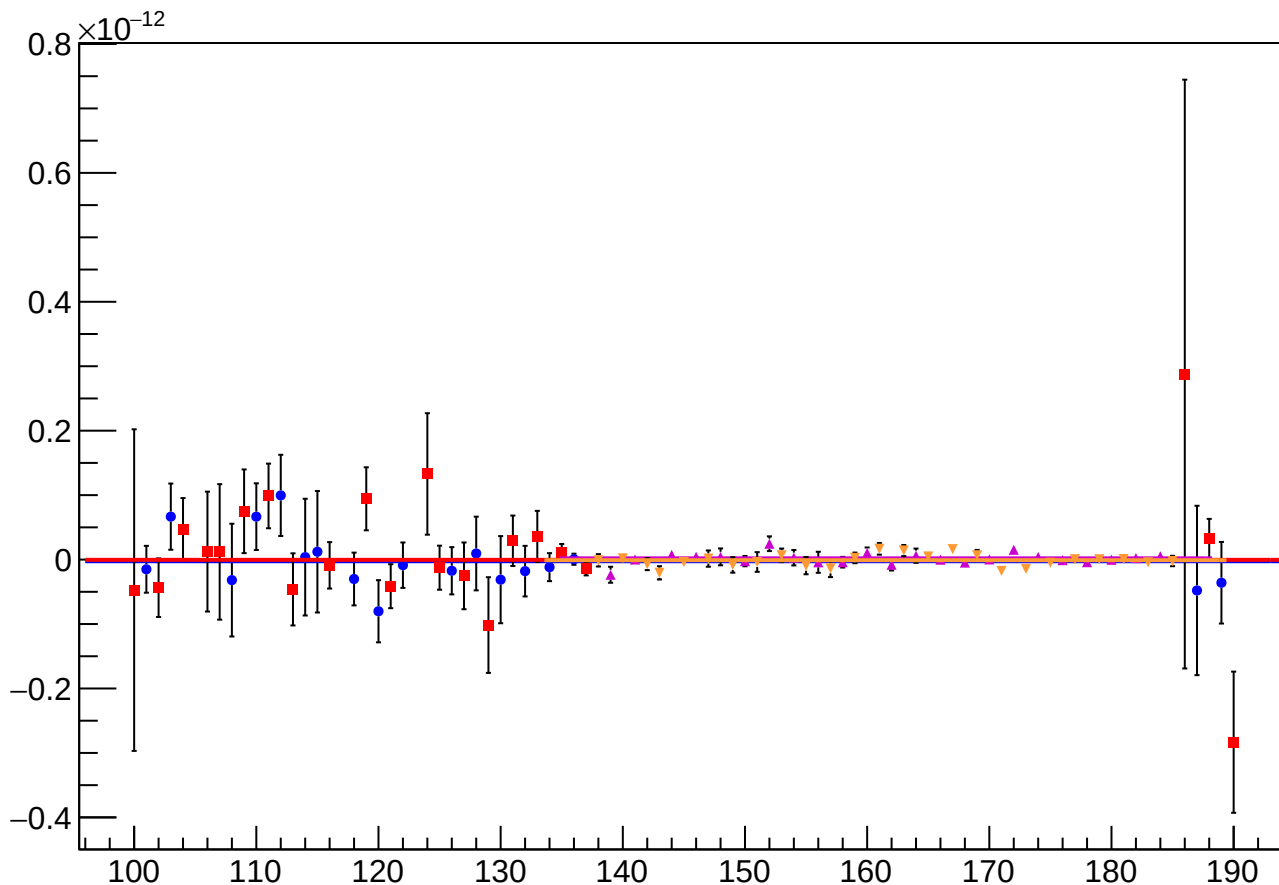
Left In: 28.389 $\pm$ 0.005 χ^2 /NDF:1098852.1/22

+ sign 28.957 $\pm$ 0.004 χ^2 /NDF: 3767440.5/42

All: 29.007 $\pm$ 0.003 χ^2 /NDF: 7445130.2/87

- sign 29.058 $\pm$ 0.004 χ^2 /NDF: 3677394.5/44

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 10.8/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 34.1/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 29.6/21

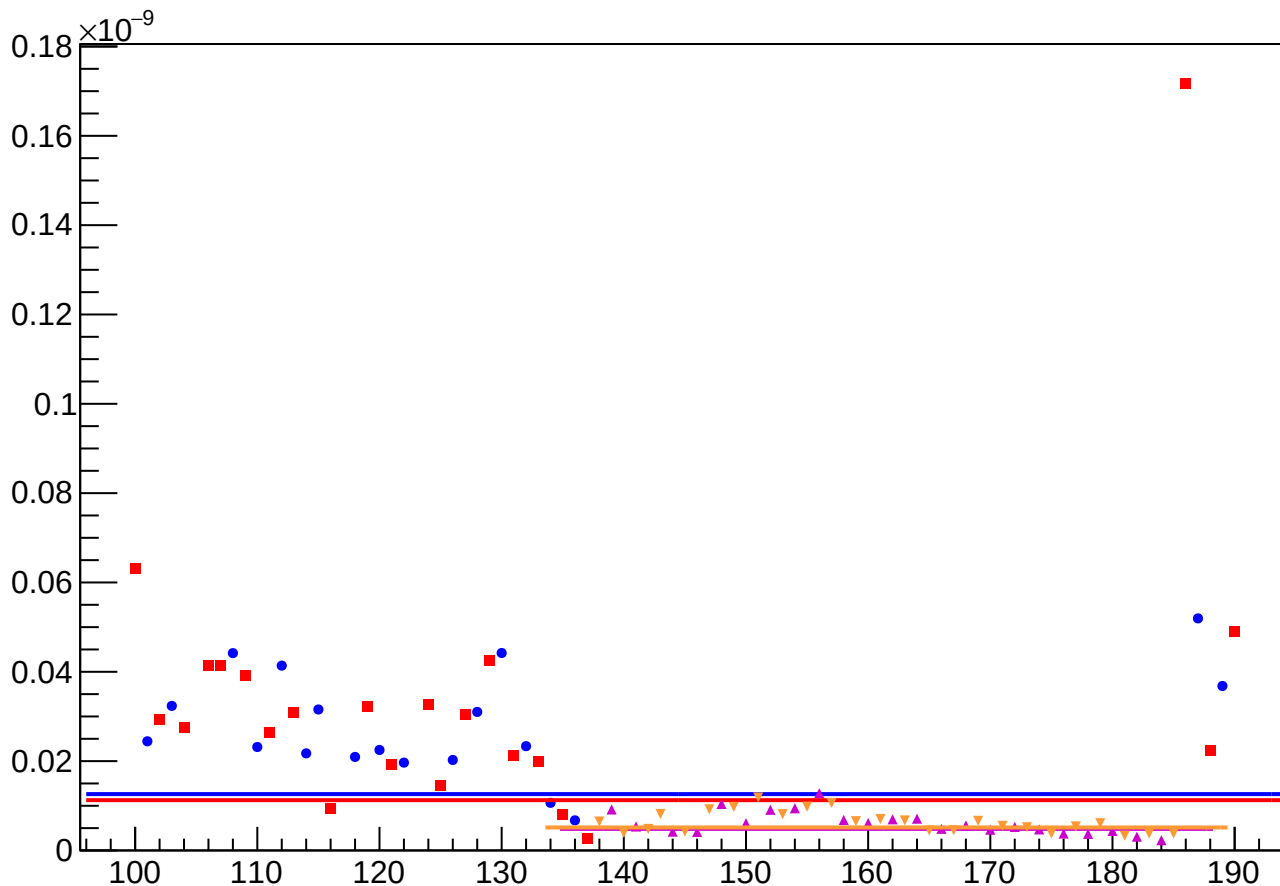
Left In: 0.000 ± 0.000 χ^2/NDF : 19.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 45.0/42

All: 0.000 ± 0.000 χ^2/NDF : 96.2/87

- sign 0.000 ± 0.000 χ^2/NDF : 49.2/44

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3916163.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5534824.7/21

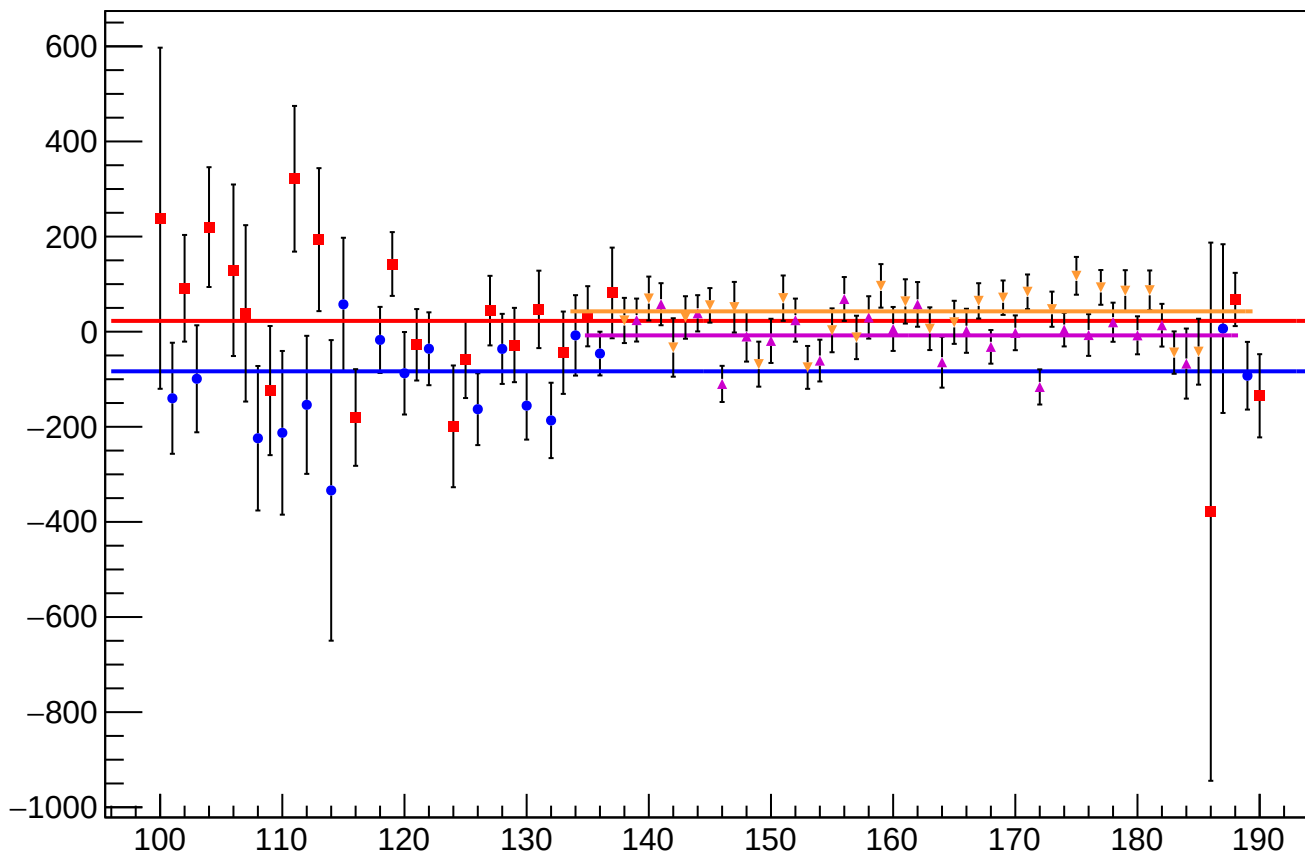
Left In: 0.000+/-0.000 χ^2/NDF : 3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 9274512.4/42

All: 0.000+/-0.000 χ^2/NDF : 19767799.4/87

- sign 0.000+/-0.000 χ^2/NDF : 10435806.3/44

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.338 ± 20.388 χ^2/NDF : 10.8/17

Left Out: 42.765 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 22.672 ± 19.973 χ^2/NDF : 27.4/21

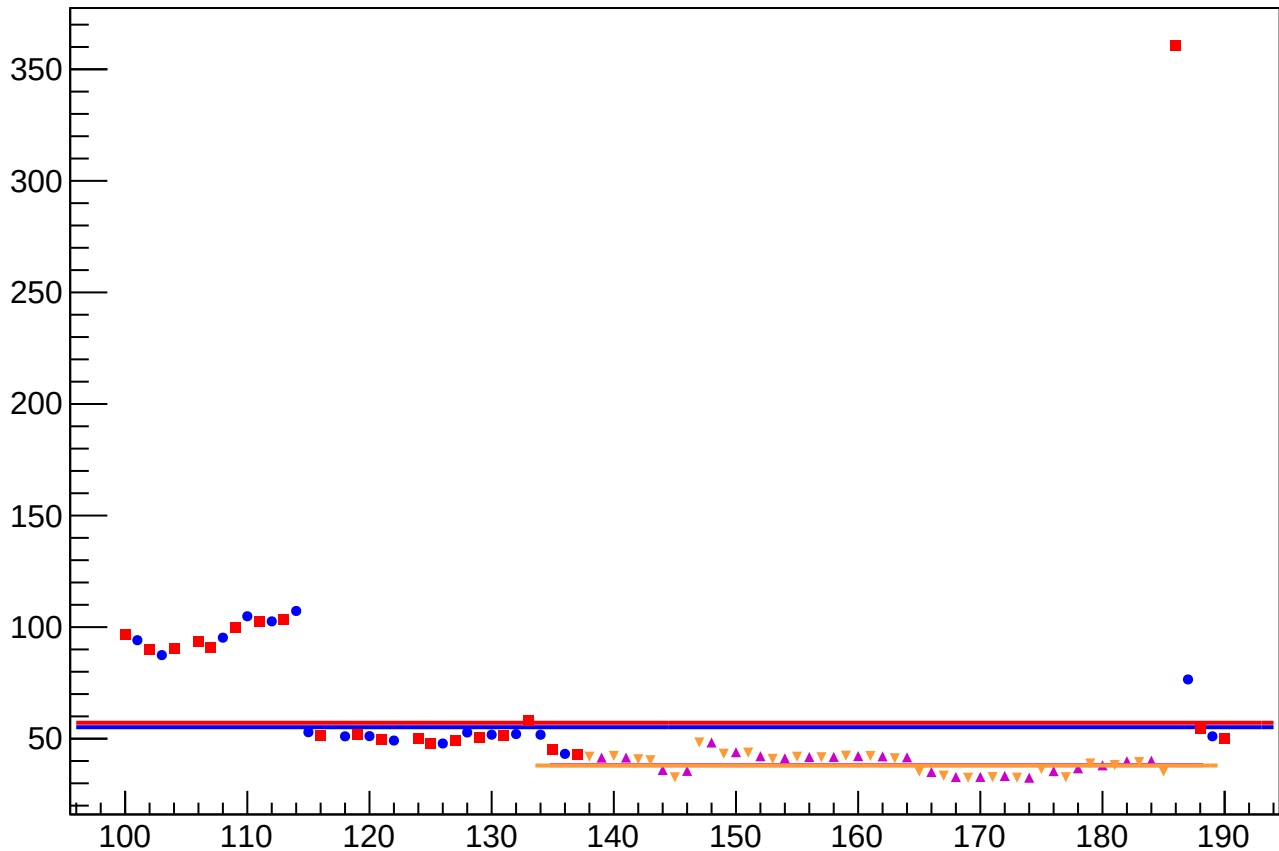
Left In: -7.783 ± 8.974 χ^2/NDF : 30.6/22

+ sign 23.347 ± 8.000 χ^2/NDF : 77.9/42

All: 10.638 ± 5.722 χ^2/NDF : 143.0/87

- sign -2.668 ± 8.186 χ^2/NDF : 59.9/44

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.141+/-0.014 χ^2/NDF : 1188265.6/17

Left Out: 37.990+/-0.006 χ^2/NDF : 513605.5/24

Right Out: 57.146+/-0.014 χ^2/NDF : 1874267.2/21

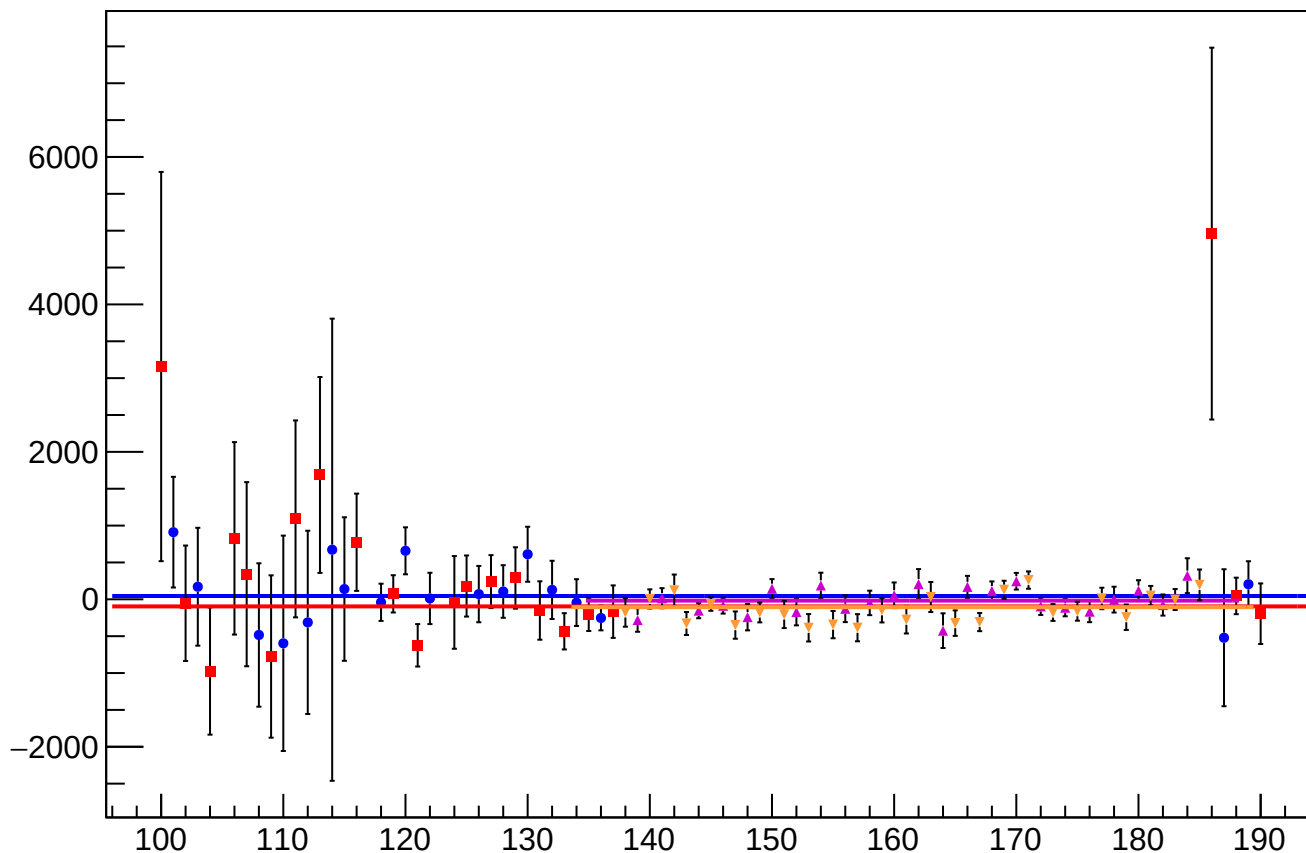
Left In: 38.133+/-0.006 χ^2/NDF : 428309.7/22

+ sign 40.631+/-0.006 χ^2/NDF : 2899286.1/42

All: 40.971+/-0.004 χ^2/NDF : 6717125.1/87

- sign 41.326+/-0.006 χ^2/NDF : 3810452.5/44

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 44.966+/-89.200 χ^2/NDF : 12.0/17

Left Out: -106.506+/-29.563 χ^2/NDF : 37.6/24

Right Out: -95.991+/-87.275 χ^2/NDF : 20.5/21

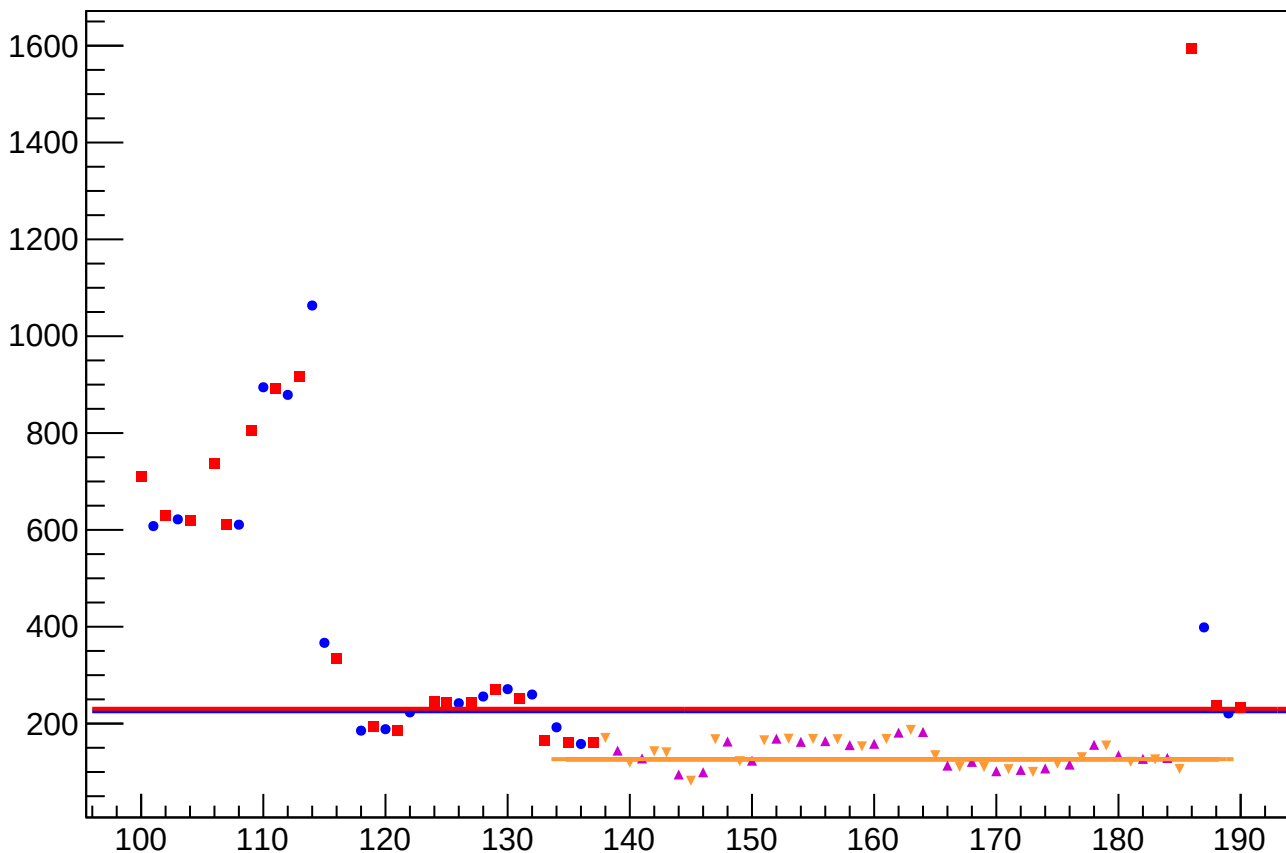
Left In: -17.517+/-30.185 χ^2/NDF : 28.2/22

+ sign -91.515+/-28.062 χ^2/NDF : 52.3/42

All: -59.247+/-20.005 χ^2/NDF : 104.4/87

- sign -25.901+/-28.527 χ^2/NDF : 49.5/44

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 225.405+/-0.063 χ^2/NDF : 3038390.1/17

Left Out: 126.561+/-0.021 χ^2/NDF :1758158.3/24

Right Out: 230.569 ± 0.062 χ^2/NDF : 4228997.7/21

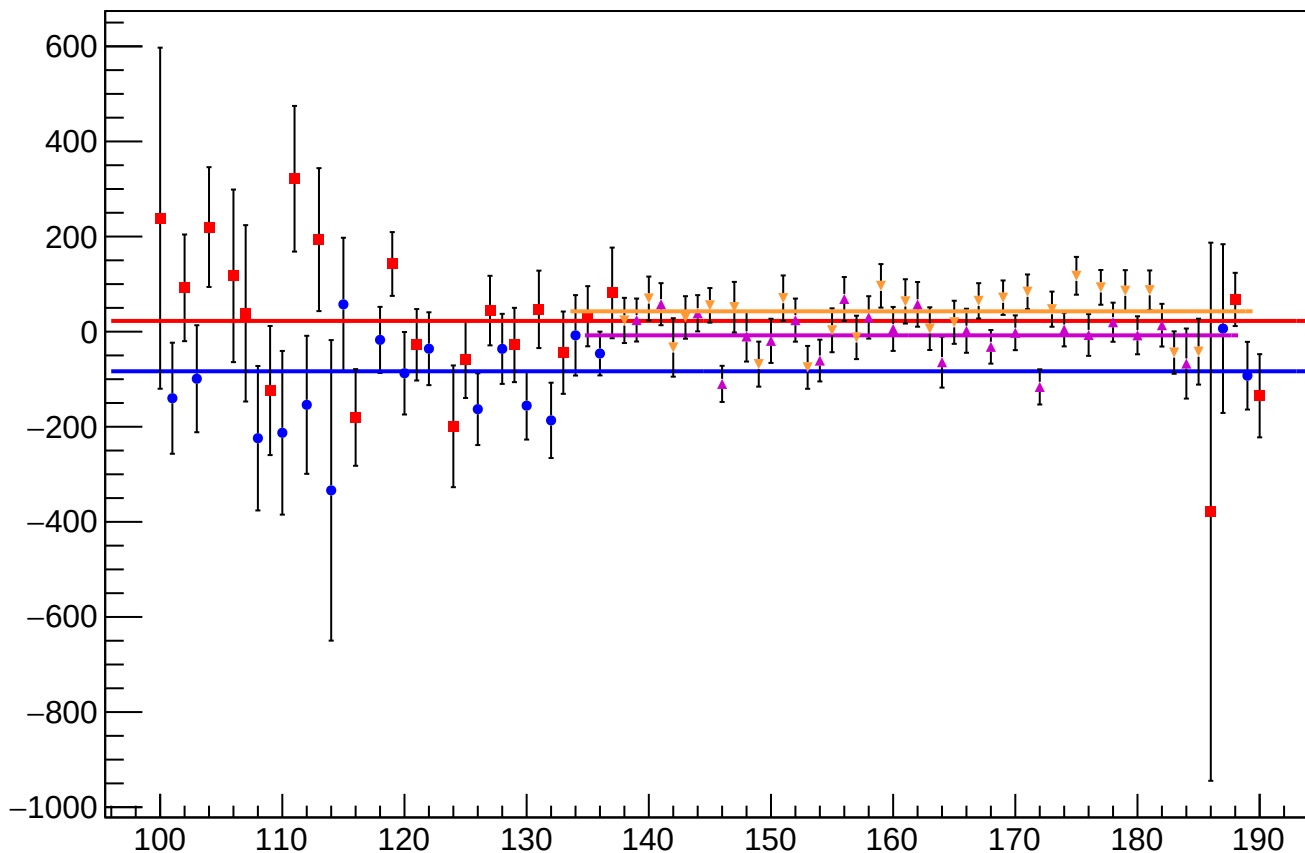
Left In: 126.013+/-0.021 χ^2/NDF :1410655.7/22

+ sign 136.344+/-0.020 χ^2/NDF : 7009355.1/42

All: 136.757 ± 0.014 χ^2/NDF : 15213652.0/87

- sign 137.184+/-0.020 χ^2/NDF : 8203414.3/44

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.336 ± 20.388 χ^2/NDF : 10.8/17

Left Out: 42.767 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 22.542 ± 19.975 χ^2/NDF : 27.3/21

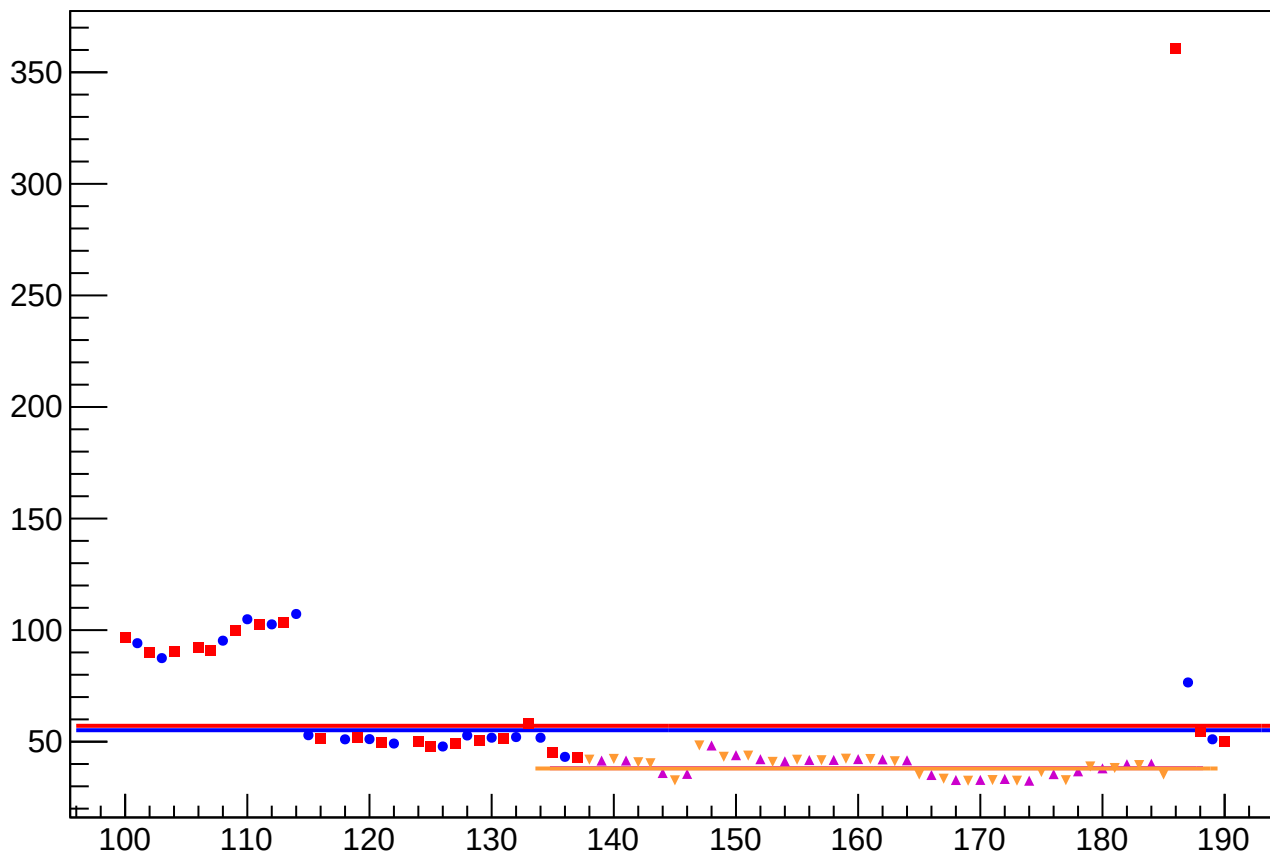
Left In: -7.785 ± 8.974 χ^2/NDF : 30.6/22

+ sign 23.349 ± 8.000 χ^2/NDF : 77.9/42

All: 10.627 ± 5.722 χ^2/NDF : 142.9/87

- sign -2.691 ± 8.186 χ^2/NDF : 59.8/44

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.141+/-0.014 χ^2/NDF : 1188265.8/17

Left Out: 37.990+/-0.006 χ^2/NDF : 513605.5/24

Right Out: 57.122+/-0.014 χ^2/NDF : 1866773.3/21

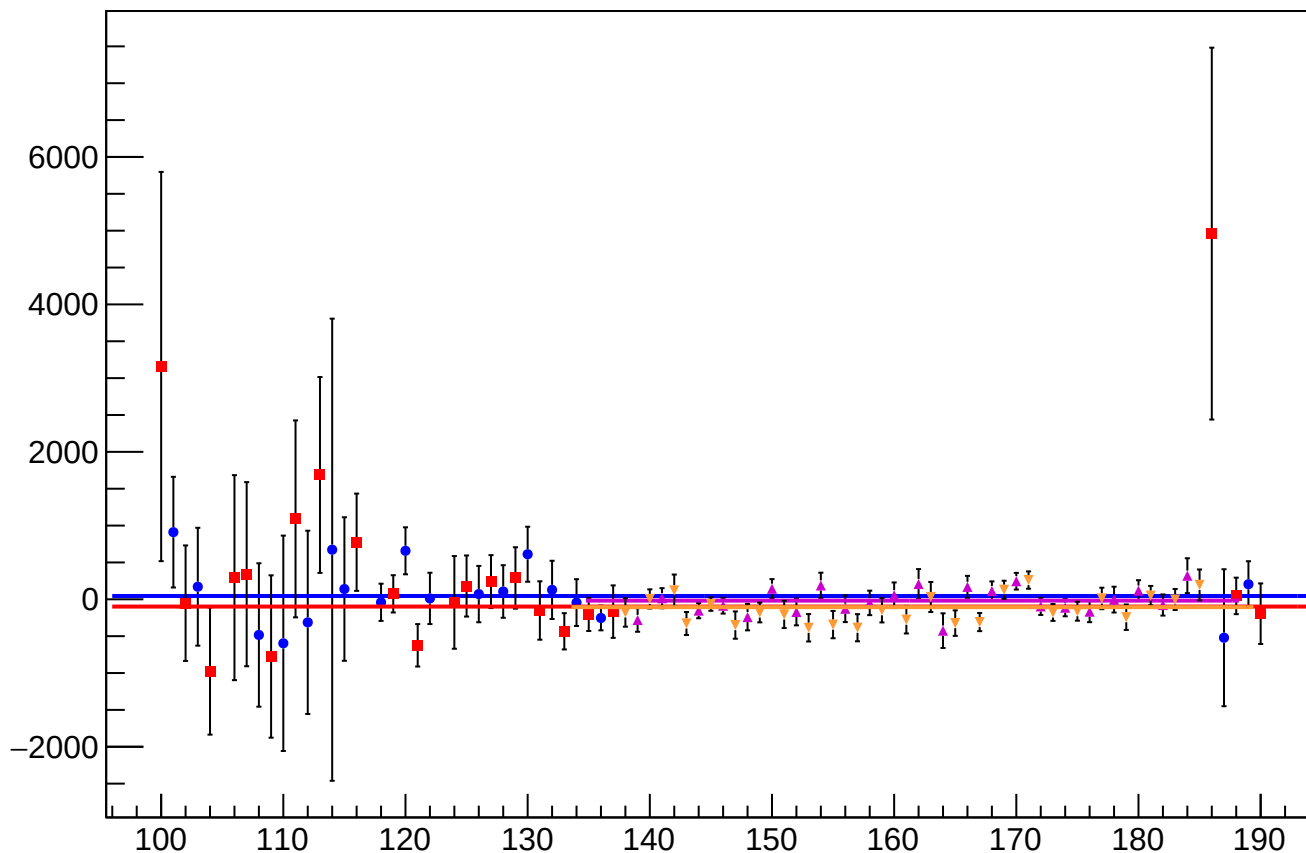
Left In: 38.133+/-0.006 χ^2/NDF : 428309.7/22

+ sign 40.631+/-0.006 χ^2/NDF : 2899286.3/42

All: 40.968+/-0.004 χ^2/NDF : 6705582.1/87

- sign 41.322+/-0.006 χ^2/NDF : 3799002.7/44

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 44.966+/-89.200 χ^2/NDF : 12.0/17

Left Out: -106.505+/-29.563 χ^2/NDF : 37.6/24

Right Out: -98.566+/-87.299 χ^2/NDF : 20.1/21

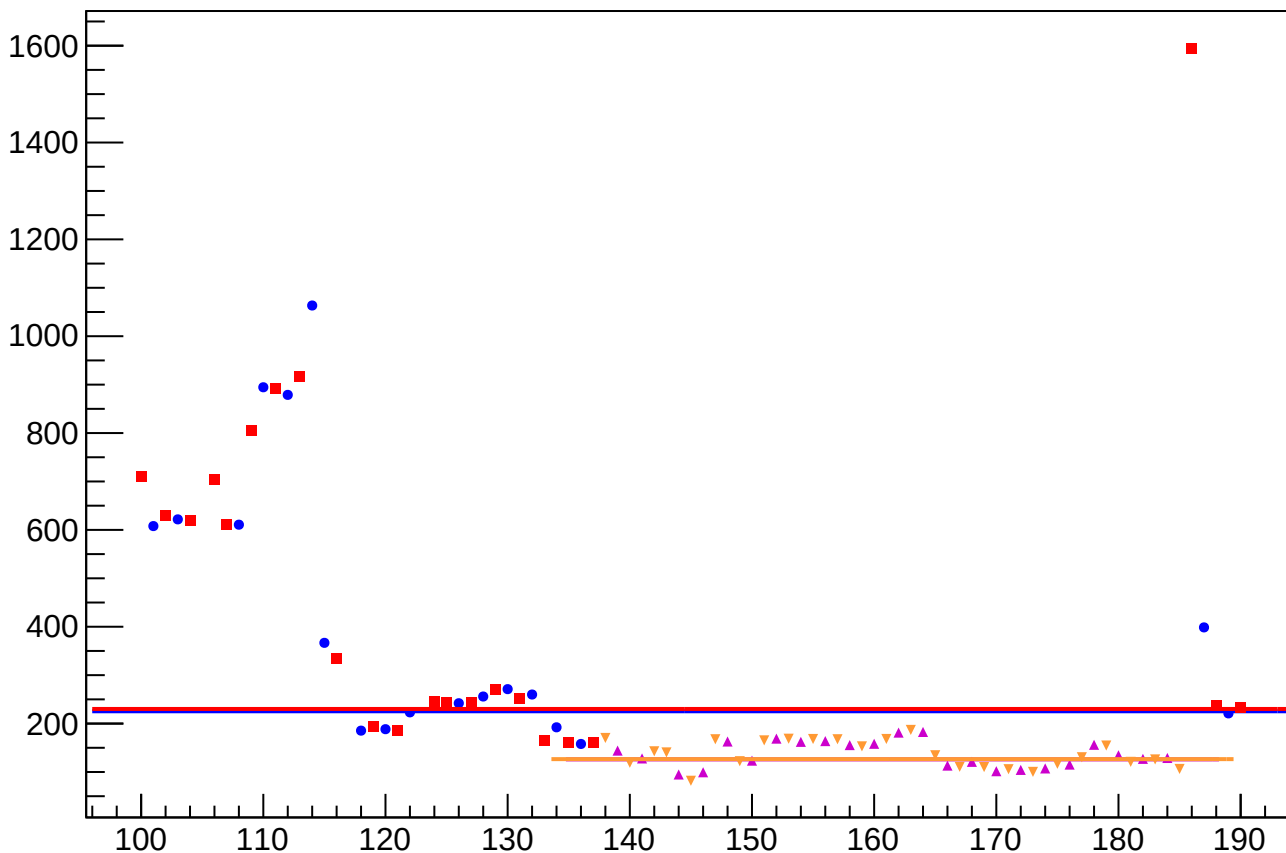
Left In: -17.517+/-30.185 χ^2/NDF : 28.2/22

+ sign -91.514+/-28.062 χ^2/NDF : 52.3/42

All: -59.381+/-20.006 χ^2/NDF : 104.0/87

- sign -26.172+/-28.528 χ^2/NDF : 49.1/44

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 225.406 $\pm$ 0.063 χ^2 /NDF: 3038394.9/17

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758151.9/24

Right Out: 230.173 $\pm$ 0.062 χ^2 /NDF: 4160968.7/21

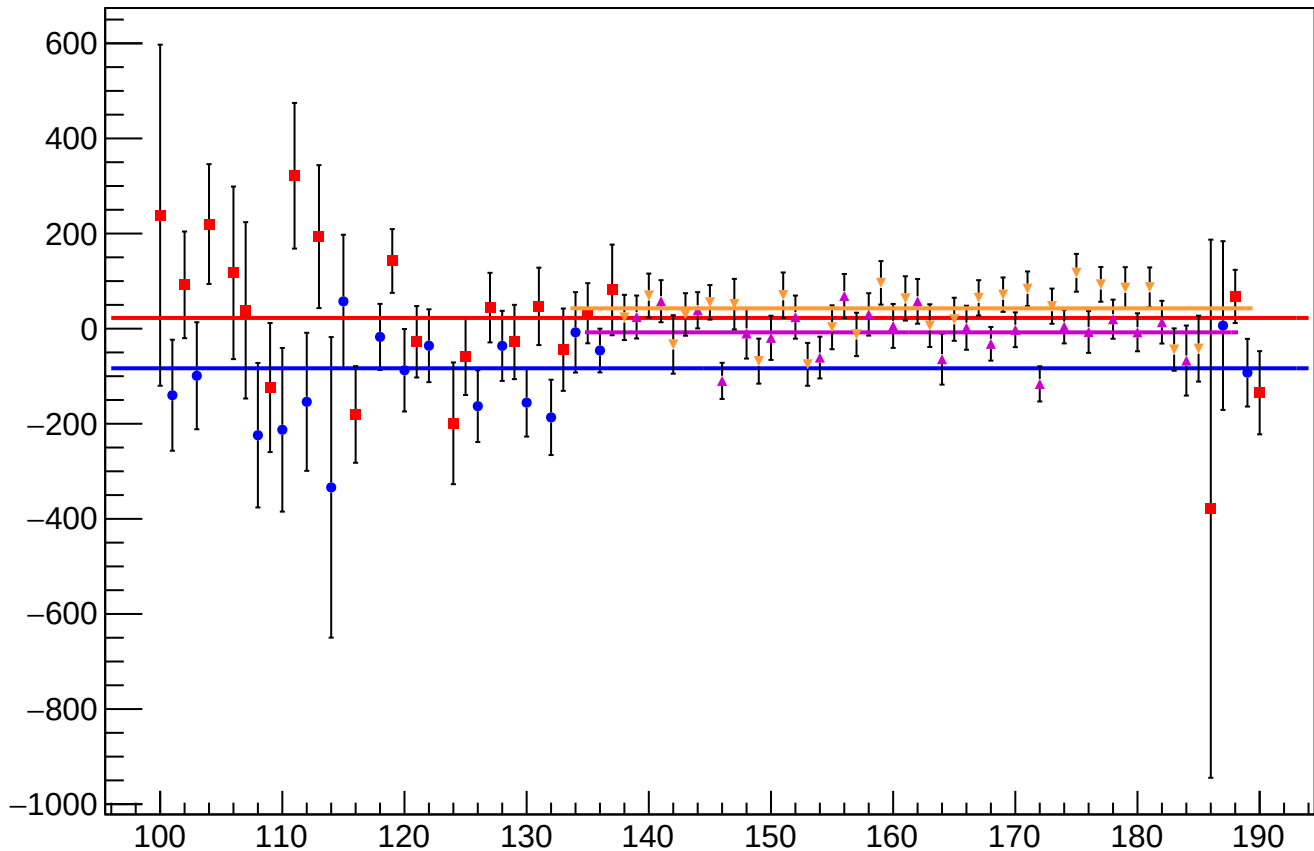
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410664.0/22

+ sign 136.344 $\pm$ 0.020 χ^2 /NDF: 7009354.8/42

All: 136.734 $\pm$ 0.014 χ^2 /NDF: 15124911.6/87

- sign 137.137 $\pm$ 0.020 χ^2 /NDF: 8114771.9/44

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.336 ± 20.388 χ^2/NDF : 10.8/17

Left Out: 42.767 ± 8.698 χ^2/NDF : 34.7/24

Right Out: 22.542 ± 19.975 χ^2/NDF : 27.3/21

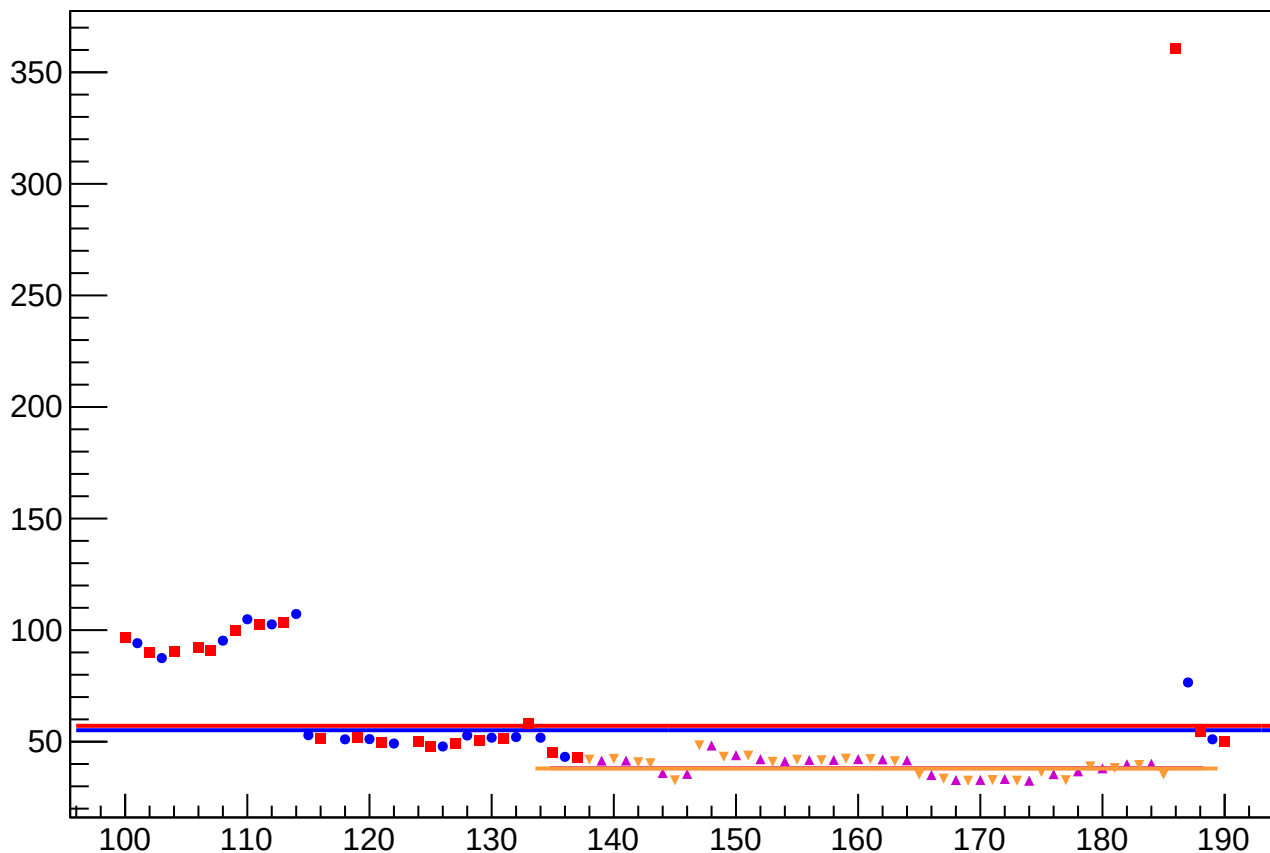
Left In: -7.785 ± 8.974 χ^2/NDF : 30.6/22

+ sign 23.349 ± 8.000 χ^2/NDF : 77.9/42

All: 10.627 ± 5.722 χ^2/NDF : 142.9/87

- sign -2.691 ± 8.186 χ^2/NDF : 59.8/44

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.141 $\pm$ 0.014 χ^2 /NDF: 1188265.8/17

Left Out: 37.990 $\pm$ 0.006 χ^2 /NDF: 513605.5/24

Right Out: 57.122 $\pm$ 0.014 χ^2 /NDF: 1866773.3/21

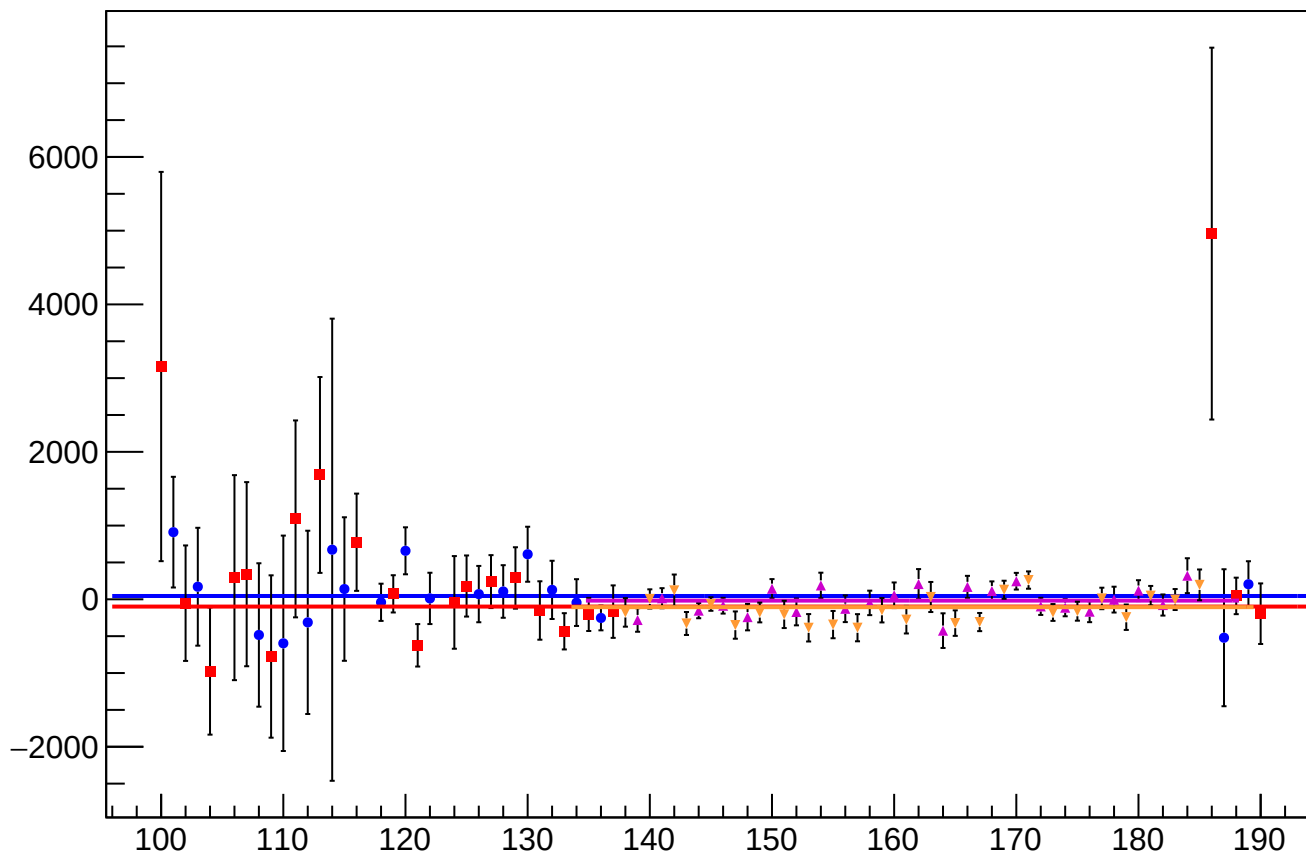
Left In: 38.133 $\pm$ 0.006 χ^2 /NDF: 428309.7/22

+ sign 40.631 $\pm$ 0.006 χ^2 /NDF: 2899286.3/42

All: 40.968 $\pm$ 0.004 χ^2 /NDF: 6705582.1/87

- sign 41.322 $\pm$ 0.006 χ^2 /NDF: 3799002.7/44

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug



Right In: 44.966+/-89.200 χ^2/NDF : 12.0/17

Left Out: -106.505+/-29.563 χ^2/NDF : 37.6/24

Right Out: -98.566+/-87.299 χ^2/NDF : 20.1/21

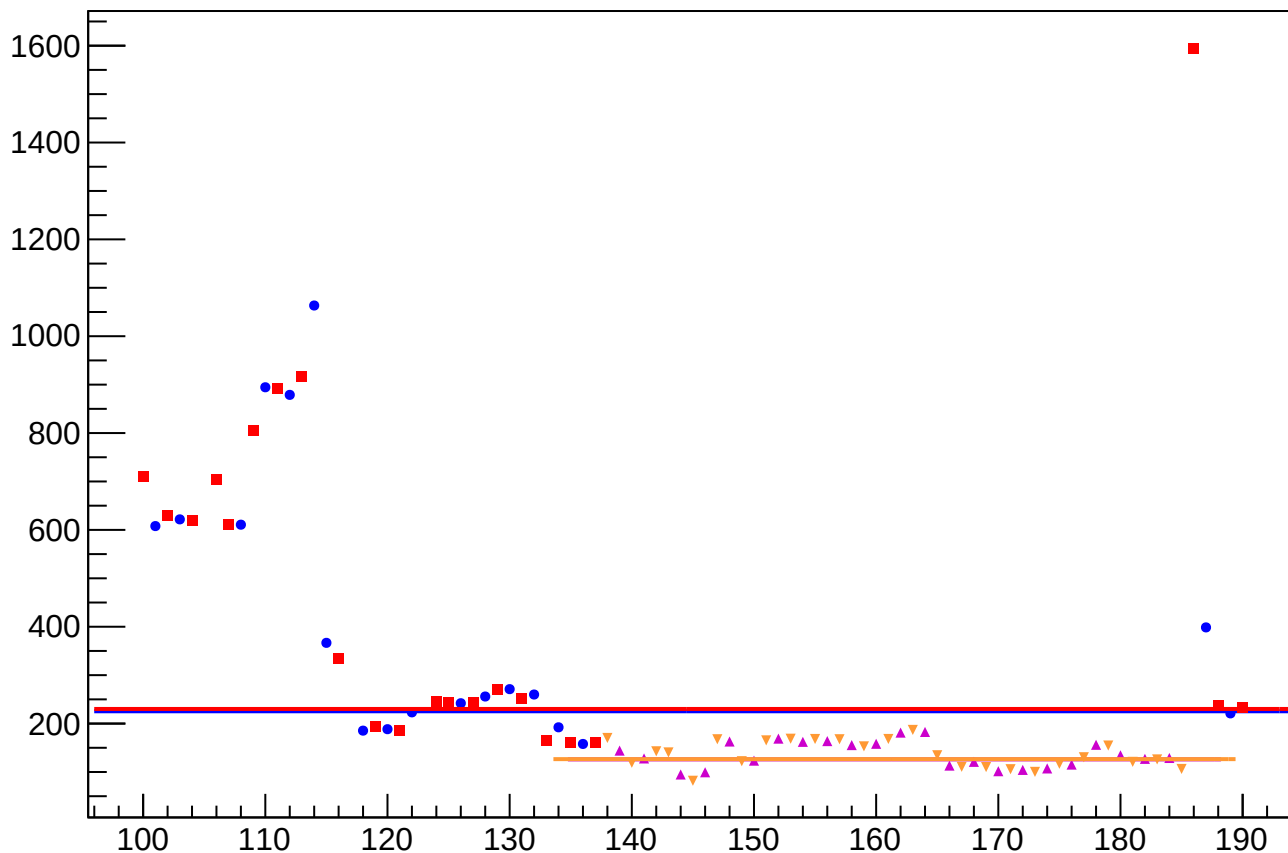
Left In: -17.517+/-30.185 χ^2/NDF : 28.2/22

+ sign -91.514+/-28.062 χ^2/NDF : 52.3/42

All: -59.381+/-20.006 χ^2/NDF : 104.0/87

- sign -26.172+/-28.528 χ^2/NDF : 49.1/44

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 225.406 $\pm$ 0.063 χ^2 /NDF: 3038394.9/17

Left Out: 126.561 $\pm$ 0.021 χ^2 /NDF:1758151.9/24

Right Out: 230.173 $\pm$ 0.062 χ^2 /NDF: 4160968.7/21

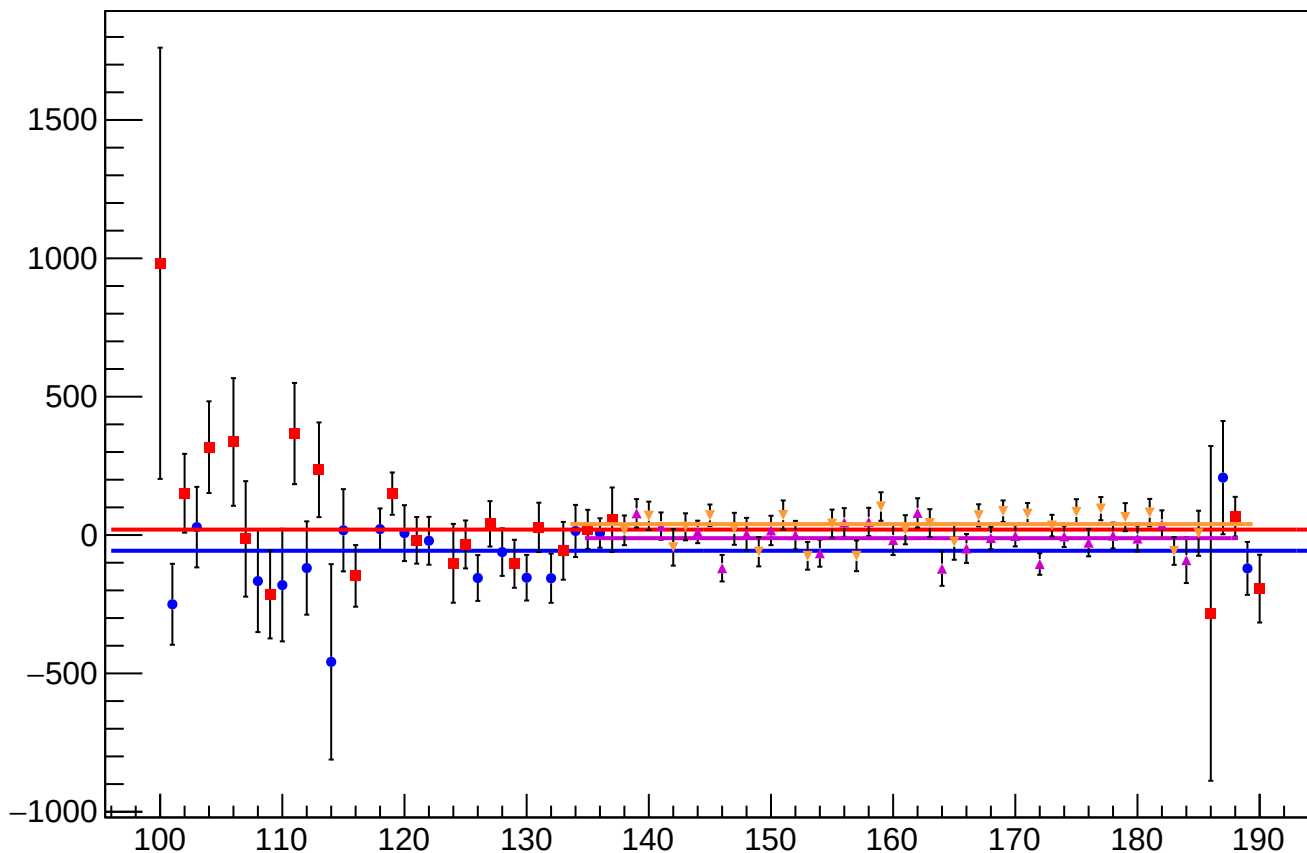
Left In: 126.013 $\pm$ 0.021 χ^2 /NDF:1410664.0/22

+ sign 136.344 $\pm$ 0.020 χ^2 /NDF: 7009354.8/42

All: 136.734 $\pm$ 0.014 χ^2 /NDF: 15124911.6/87

- sign 137.137 $\pm$ 0.020 χ^2 /NDF: 8114771.9/44

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.805 ± 23.566 χ^2/NDF : 14.4/17

Left Out: 39.563 ± 9.745 χ^2/NDF : 29.6/24

Right Out: 19.710 ± 23.290 χ^2/NDF : 27.8/21

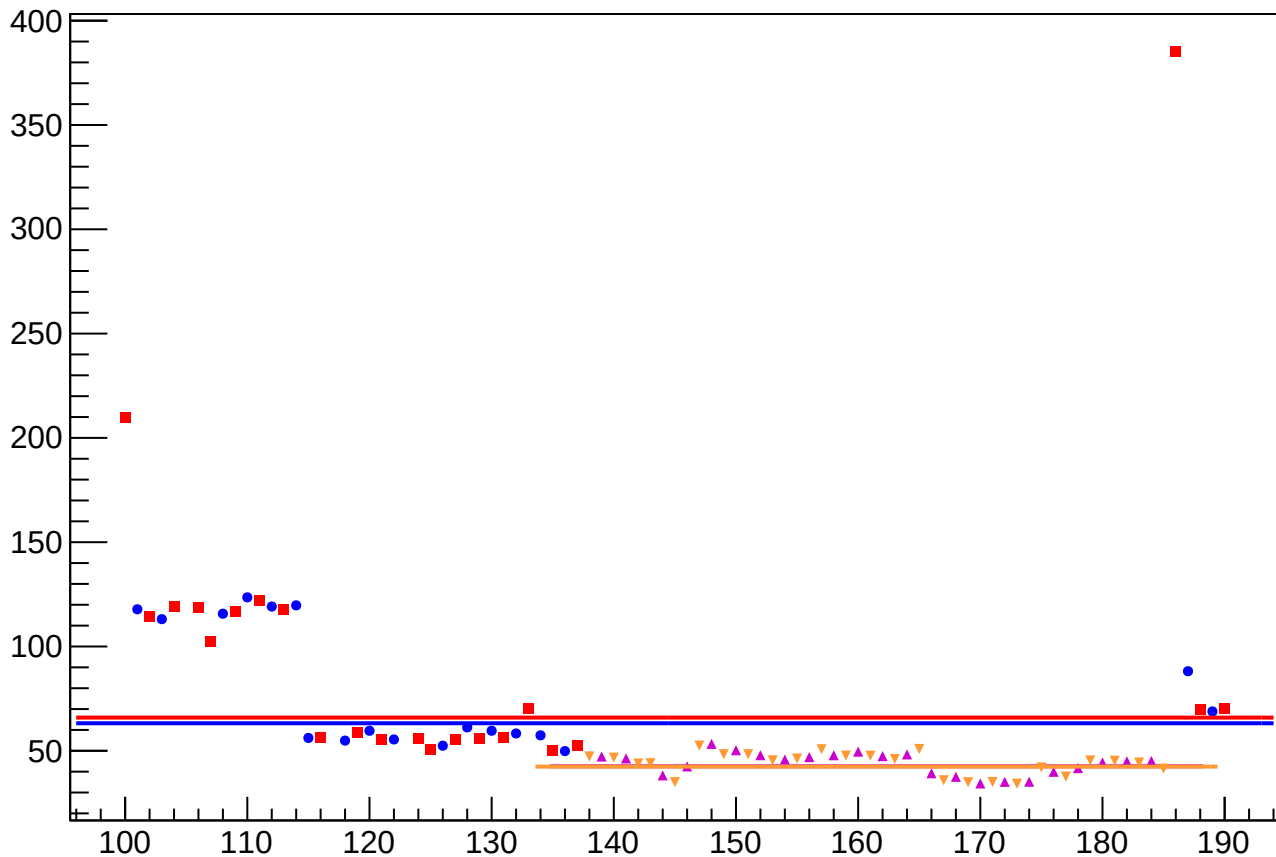
Left In: -11.306 ± 10.077 χ^2/NDF : 27.9/22

+ sign 25.490 ± 9.006 χ^2/NDF : 58.3/42

All: 9.962 ± 6.452 χ^2/NDF : 121.6/87

- sign -6.415 ± 9.248 χ^2/NDF : 57.2/44

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 63.202 $\pm$ 0.017 χ^2 /NDF: 1386675.5/17

Left Out: 42.426 $\pm$ 0.007 χ^2 /NDF: 698766.0/24

Right Out: 65.914 $\pm$ 0.016 χ^2 /NDF: 2161329.3/21

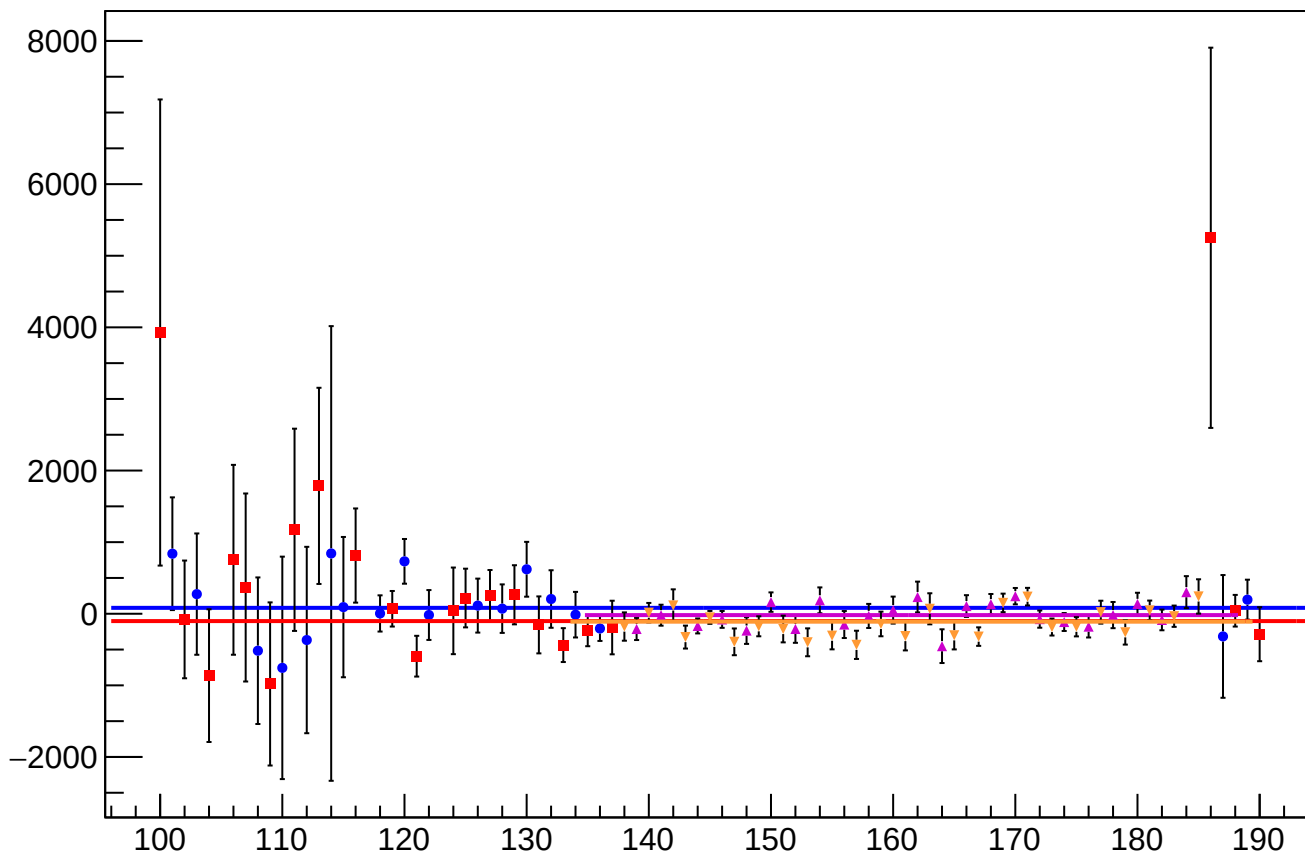
Left In: 42.579 $\pm$ 0.007 χ^2 /NDF: 589897.0/22

+ sign 45.460 $\pm$ 0.006 χ^2 /NDF: 3412858.0/42

All: 45.849 $\pm$ 0.005 χ^2 /NDF: 7862889.5/87

- sign 46.259 $\pm$ 0.007 χ^2 /NDF: 4442378.7/44

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 82.525 ± 89.020 χ^2/NDF : 11.6/17

Left Out: -109.869 ± 30.759 χ^2/NDF : 36.3/24

Right Out: -102.426 ± 84.754 χ^2/NDF : 21.1/21

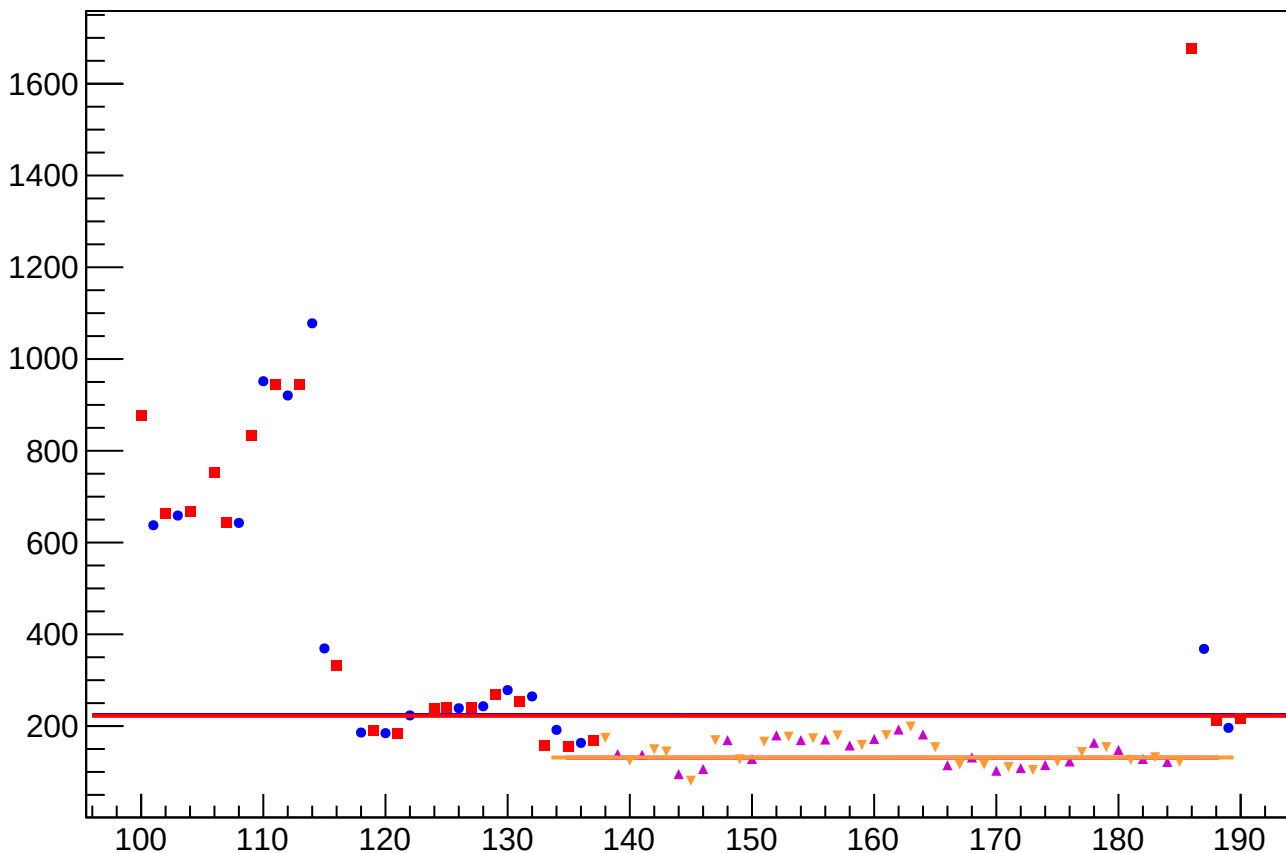
Left In: -18.838 ± 31.477 χ^2/NDF : 27.2/22

+ sign -89.350 ± 29.072 χ^2/NDF : 52.0/42

All: -59.608 ± 20.709 χ^2/NDF : 103.3/87

- sign -28.970 ± 29.507 χ^2/NDF : 49.2/44

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 224.153+/-0.063 χ^2/NDF : 3103101.1/17

Left Out: 131.515+/-0.022 χ^2/NDF :1902958.8/24

Right Out: 222.323+/-0.060 χ^2/NDF : 4453269.1/21

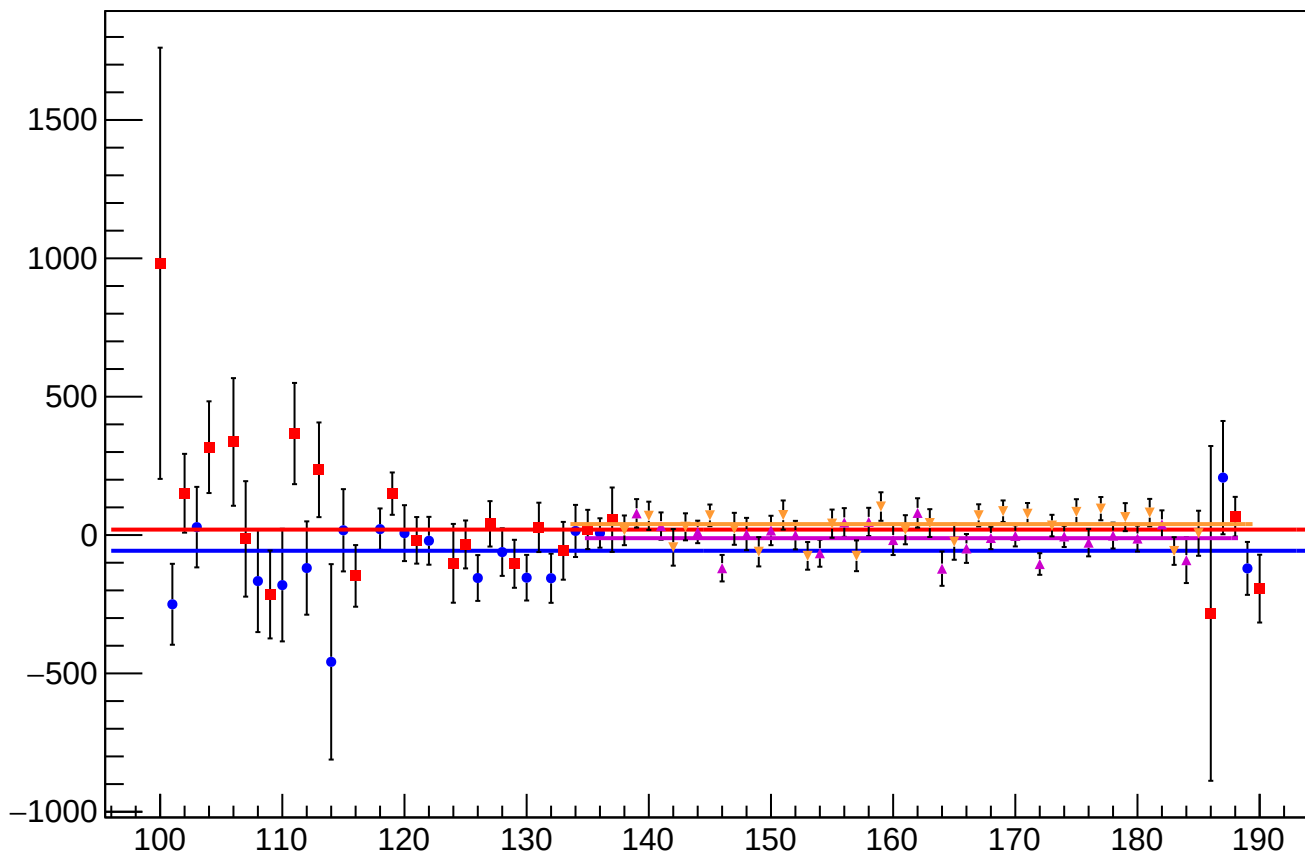
Left In: 131.074+/-0.022 χ^2/NDF :1467806.6/22

+ sign 141.395+/-0.021 χ^2/NDF : 6940934.4/42

All: 141.759+/-0.015 χ^2/NDF : 14899964.9/87

- sign 142.134+/-0.021 χ^2/NDF : 7958394.1/44

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -56.806 ± 23.566 χ^2/NDF : 14.4/17

Left Out: 39.564 ± 9.745 χ^2/NDF : 29.6/24

Right Out: 19.712 ± 23.290 χ^2/NDF : 27.8/21

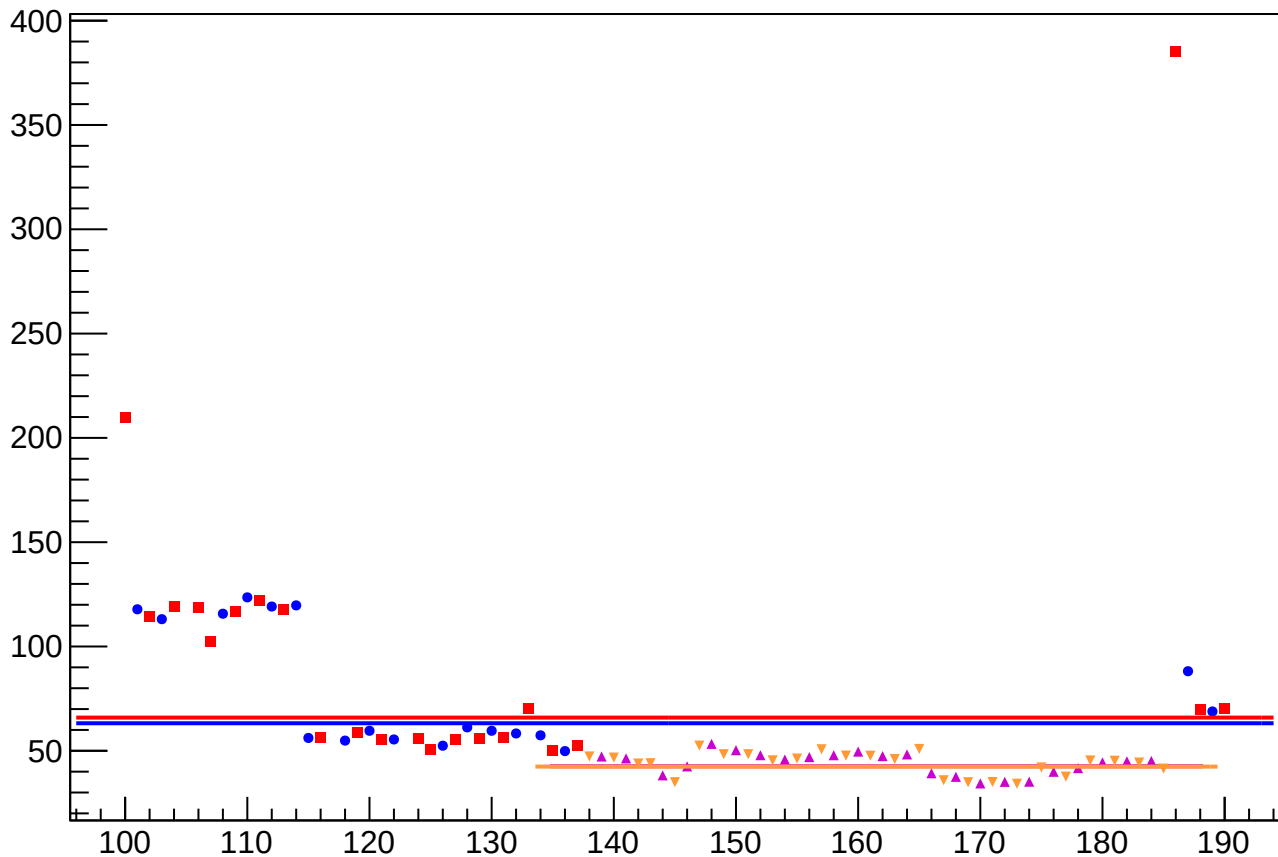
Left In: -11.306 ± 10.077 χ^2/NDF : 27.9/22

+ sign 25.491 ± 9.006 χ^2/NDF : 58.3/42

All: 9.963 ± 6.452 χ^2/NDF : 121.6/87

- sign -6.415 ± 9.249 χ^2/NDF : 57.2/44

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 63.201 $\pm$ 0.017 χ^2 /NDF: 1386661.5/17

Left Out: 42.426 $\pm$ 0.007 χ^2 /NDF: 698784.4/24

Right Out: 65.914 $\pm$ 0.016 χ^2 /NDF: 2161314.7/21

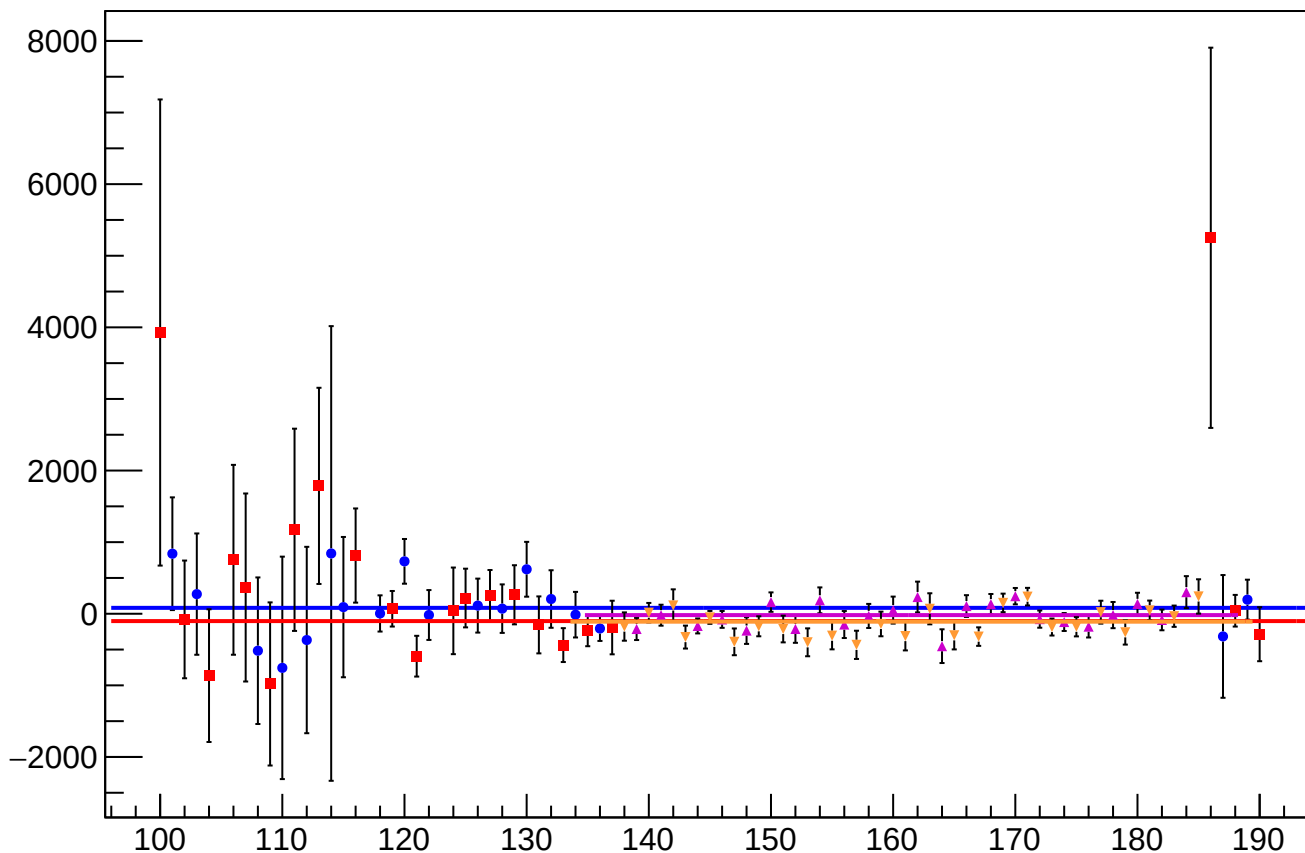
Left In: 42.579 $\pm$ 0.007 χ^2 /NDF: 589901.9/22

+ sign 45.460 $\pm$ 0.006 χ^2 /NDF: 3412821.7/42

All: 45.849 $\pm$ 0.005 χ^2 /NDF: 7862821.0/87

- sign 46.259 $\pm$ 0.007 χ^2 /NDF: 4442344.6/44

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



Right In: 82.526 ± 89.020 χ^2/NDF : 11.6/17

Left Out: -109.869 ± 30.759 χ^2/NDF : 36.3/24

Right Out: -102.423 ± 84.754 χ^2/NDF : 21.1/21

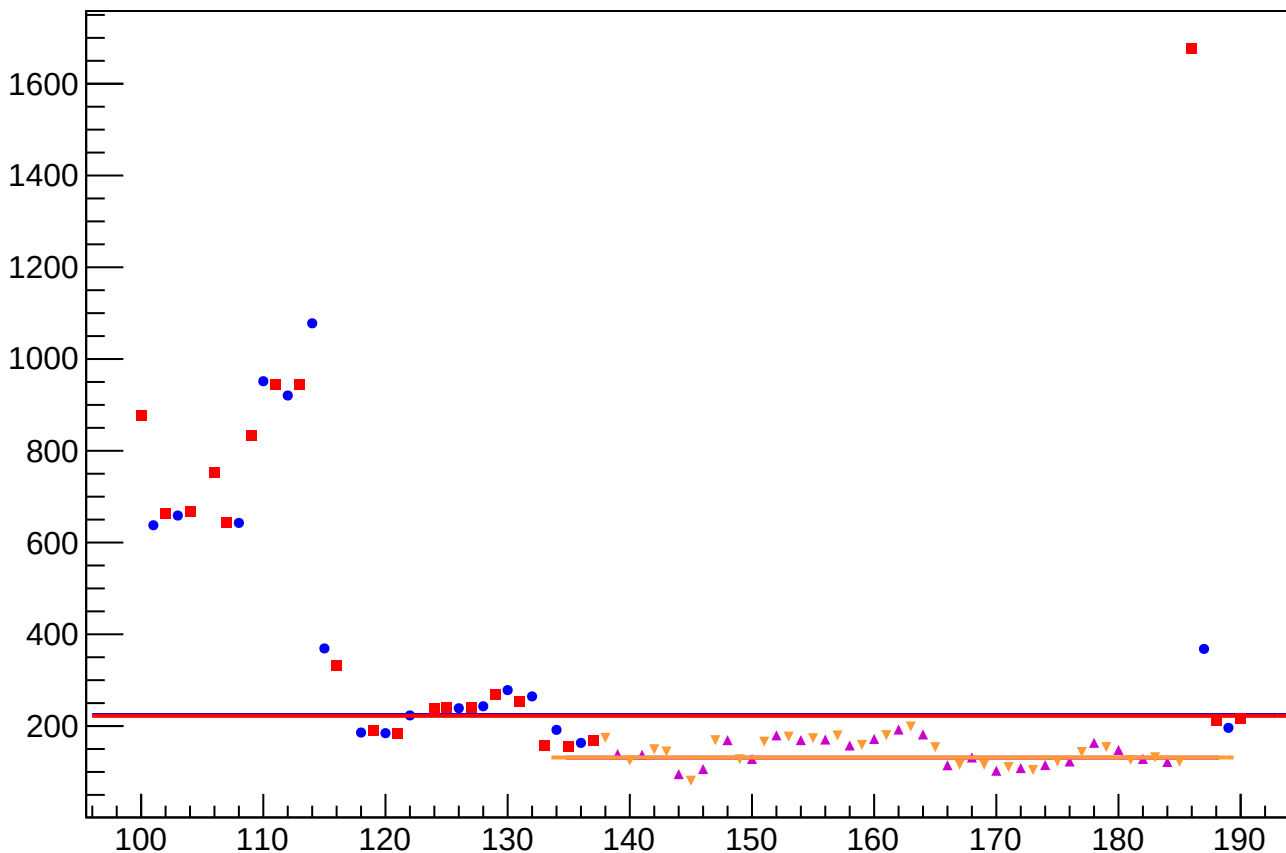
Left In: -18.838 ± 31.477 χ^2/NDF : 27.2/22

+ sign -89.349 ± 29.072 χ^2/NDF : 52.0/42

All: -59.608 ± 20.709 χ^2/NDF : 103.3/87

- sign -28.970 ± 29.507 χ^2/NDF : 49.2/44

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug



Right In: 224.153+/-0.063 χ^2/NDF : 3103088.7/17

Left Out: 131.515+/-0.022 χ^2/NDF : 1902951.8/24

Right Out: 222.323+/-0.060 χ^2/NDF : 4453252.2/21

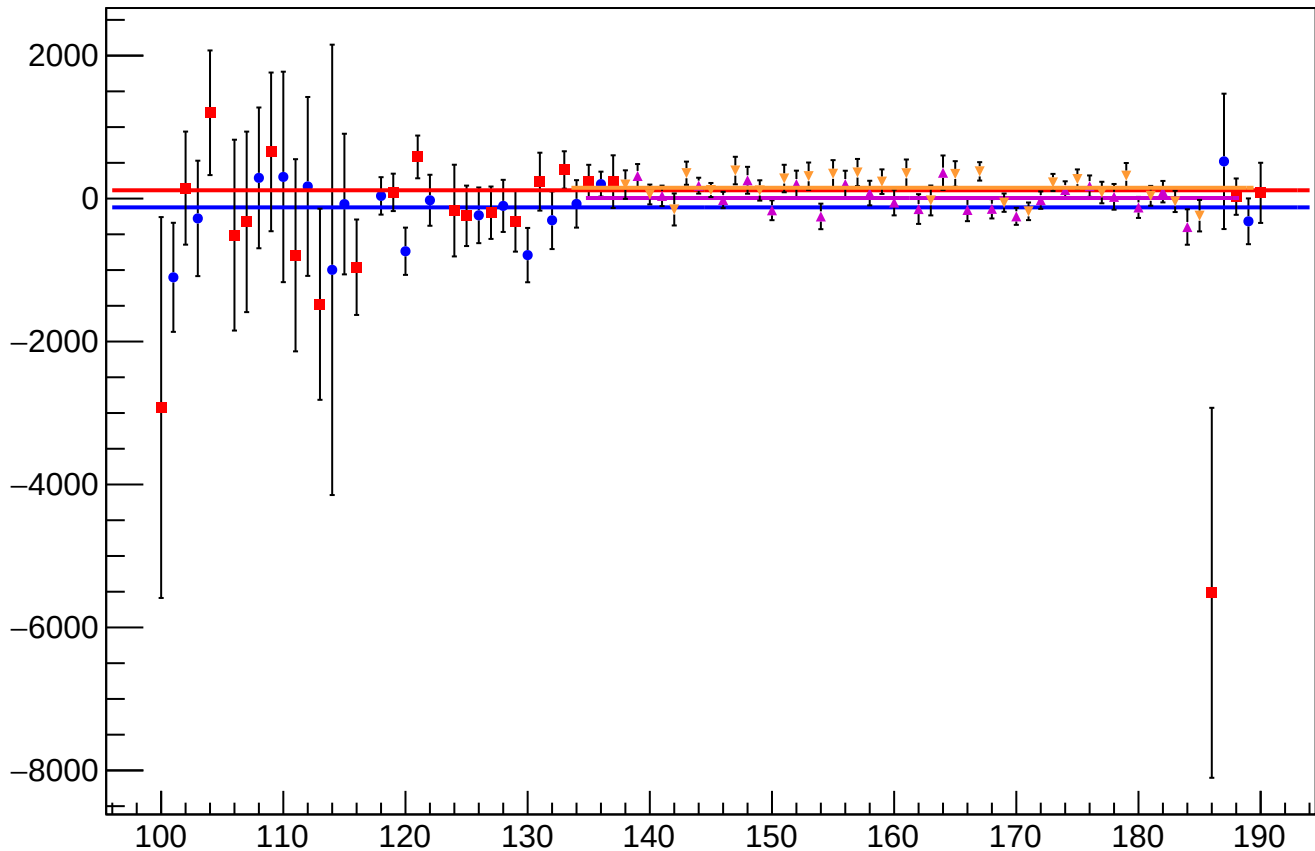
Left In: 131.074+/-0.022 χ^2/NDF : 1467810.7/22

+ sign 141.396+/-0.021 χ^2/NDF : 6940901.9/42

All: 141.760+/-0.015 χ^2/NDF : 14899913.4/87

- sign 142.135+/-0.021 χ^2/NDF : 7958375.1/44

asym_sam_37_26_dd_mean vs Slug



Right In: -122.963 ± 92.000 χ^2/NDF : 13.7/17

Left Out: 151.108 ± 30.952 χ^2/NDF : 33.1/24

Right Out: 116.149 ± 90.191 χ^2/NDF : 19.6/21

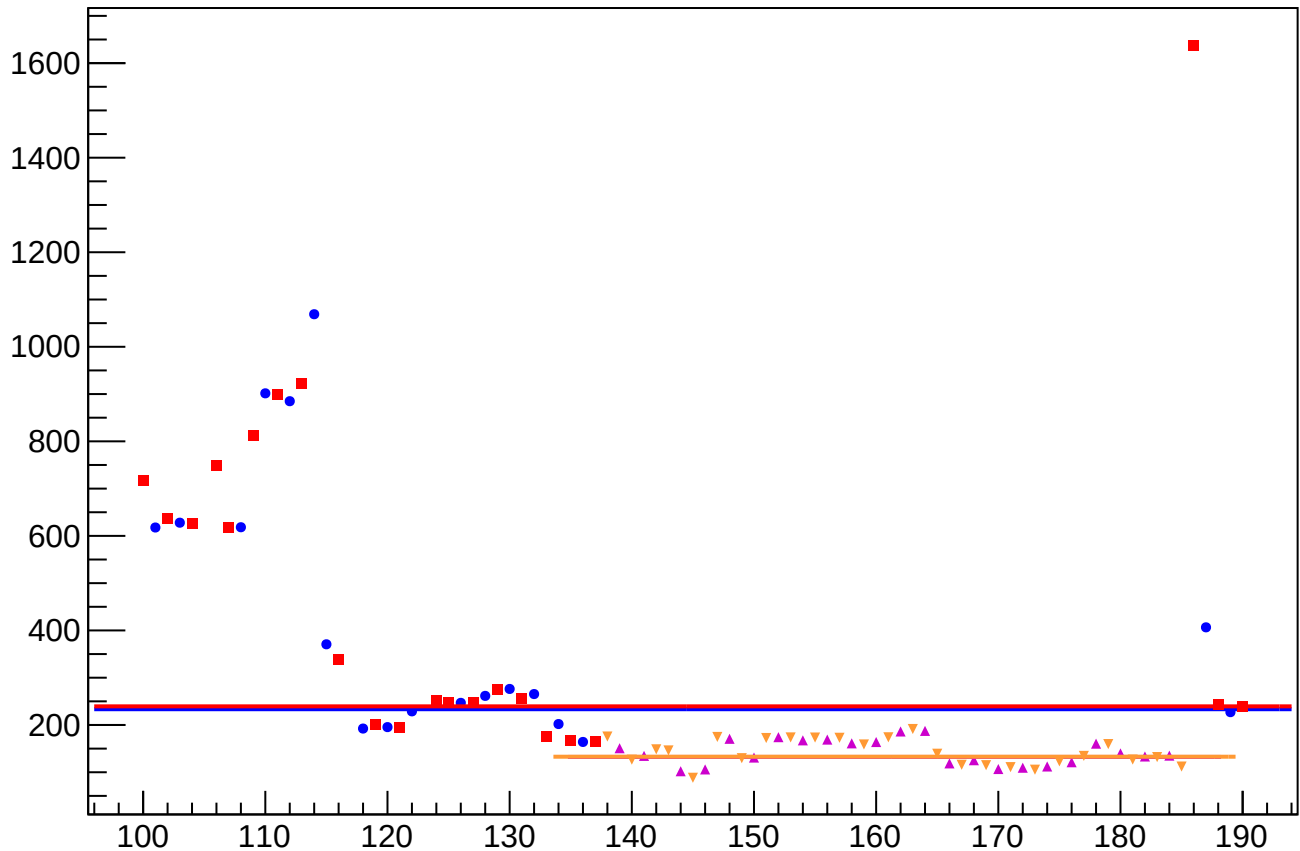
Left In: 7.941 ± 31.621 χ^2/NDF : 29.5/22

+ sign 123.241 ± 29.336 χ^2/NDF : 54.7/42

All: 72.395 ± 20.920 χ^2/NDF : 111.2/87

- sign 19.786 ± 29.840 χ^2/NDF : 50.3/44

asym_sam_37_26_dd_rms vs Slug



Right In: 233.342+/-0.065 χ^2/NDF : 2953491.1/17

Left Out: 132.876+/-0.022 χ^2/NDF :1592310.5/24

Right Out: 239.400+/-0.064 χ^2/NDF : 4106770.9/21

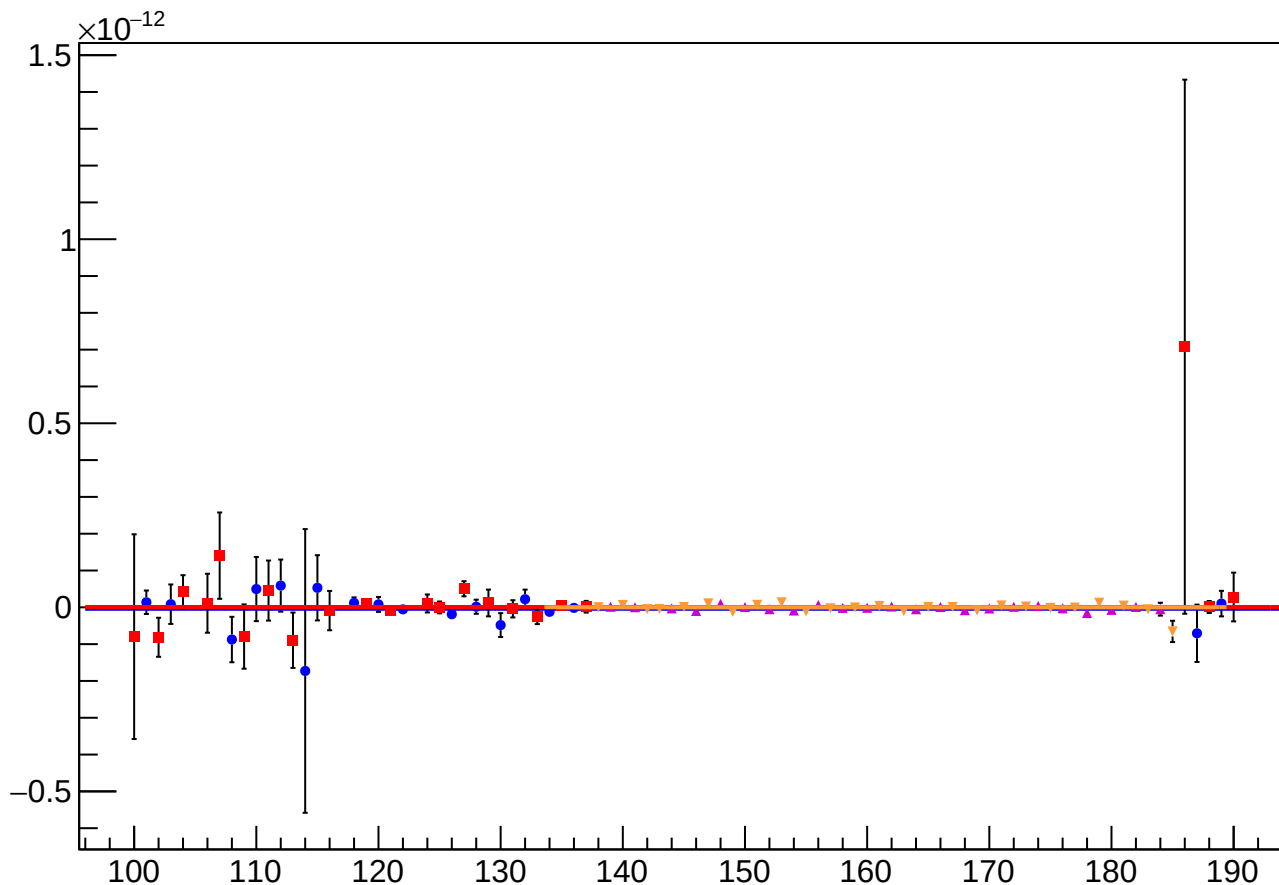
Left In: 132.342+/-0.022 χ^2/NDF :1277761.6/22

+ sign 143.091+/-0.021 χ^2/NDF : 6688318.2/42

All: 143.568+/-0.015 χ^2/NDF : 14583458.3/87

- sign 144.061+/-0.021 χ^2/NDF : 7894065.1/44

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 12.3/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 32.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.2/21

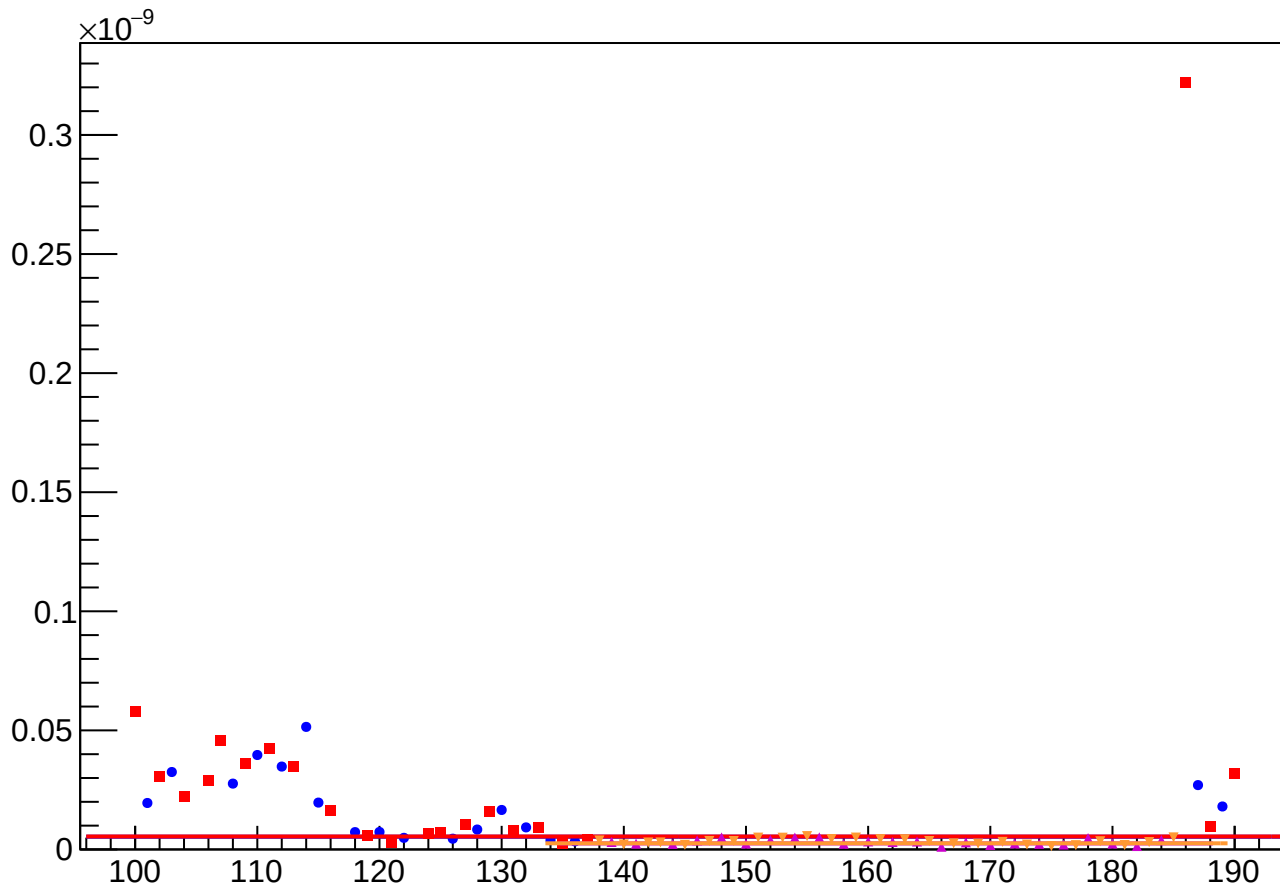
Left In: -0.000 ± 0.000 χ^2/NDF : 14.9/22

+ sign -0.000 ± 0.000 χ^2/NDF : 45.8/42

All: -0.000 ± 0.000 χ^2/NDF : 80.8/87

- sign -0.000 ± 0.000 χ^2/NDF : 34.4/44

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3046068.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4075796.0/21

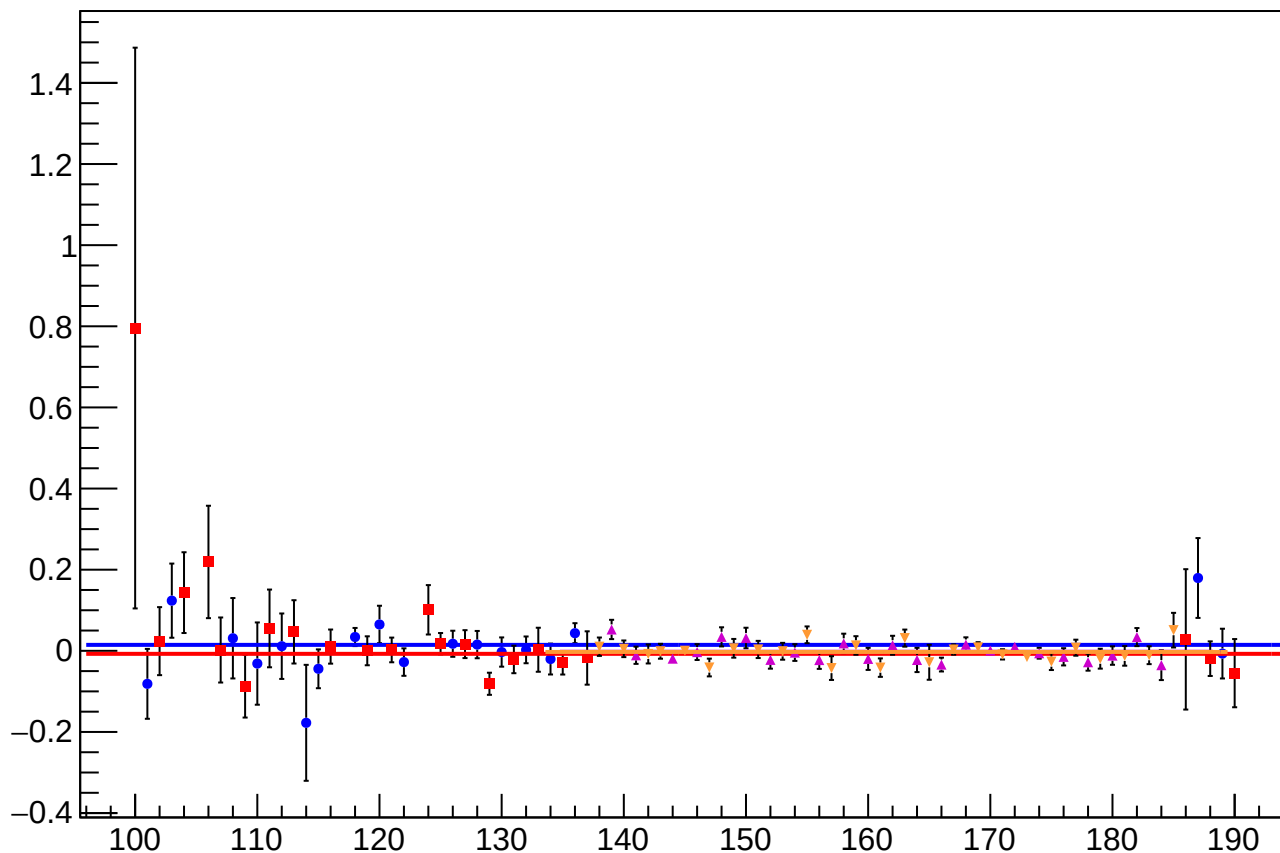
Left In: 0.000+/-0.000 χ^2/NDF : 1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 6292173.8/42

All: 0.000+/-0.000 χ^2/NDF : 12971436.6/87

- sign 0.000+/-0.000 χ^2/NDF : 6676949.5/44

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 $\pm$ 0.010 χ^2 /NDF: 15.3/17

Left Out: -0.003 $\pm$ 0.004 χ^2 /NDF:22.6/24

Right Out: -0.007 $\pm$ 0.010 χ^2 /NDF: 21.9/21

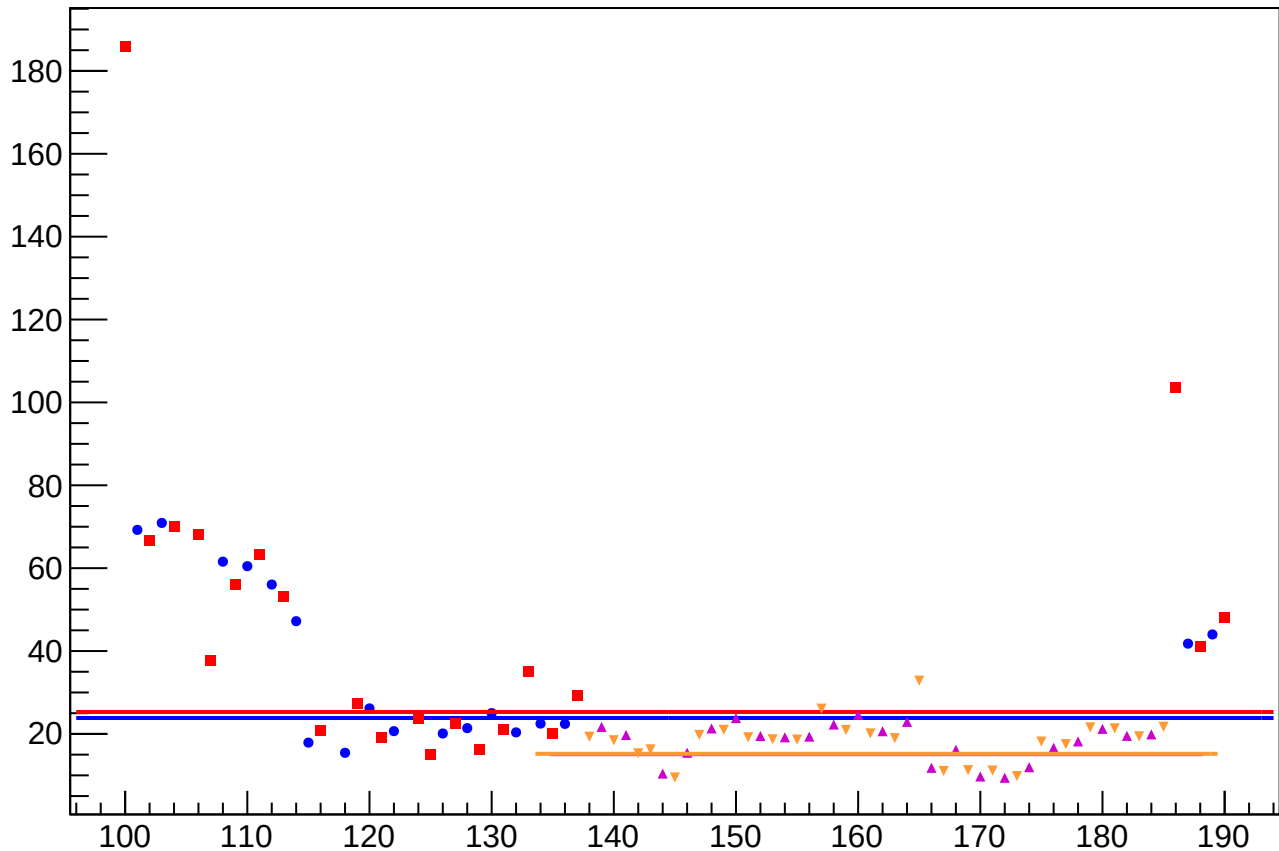
Left In: -0.002 $\pm$ 0.004 χ^2 /NDF:26.9/22

+ sign -0.001 $\pm$ 0.003 χ^2 /NDF: 40.7/42

All: -0.002 $\pm$ 0.002 χ^2 /NDF: 90.1/87

- sign -0.003 $\pm$ 0.004 χ^2 /NDF: 49.1/44

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.844 $\pm$ 0.007 χ^2 /NDF: 2699161.4/17

Left Out: 15.202 $\pm$ 0.003 χ^2 /NDF: 3441921.2/24

Right Out: 25.295 $\pm$ 0.007 χ^2 /NDF: 3771615.2/21

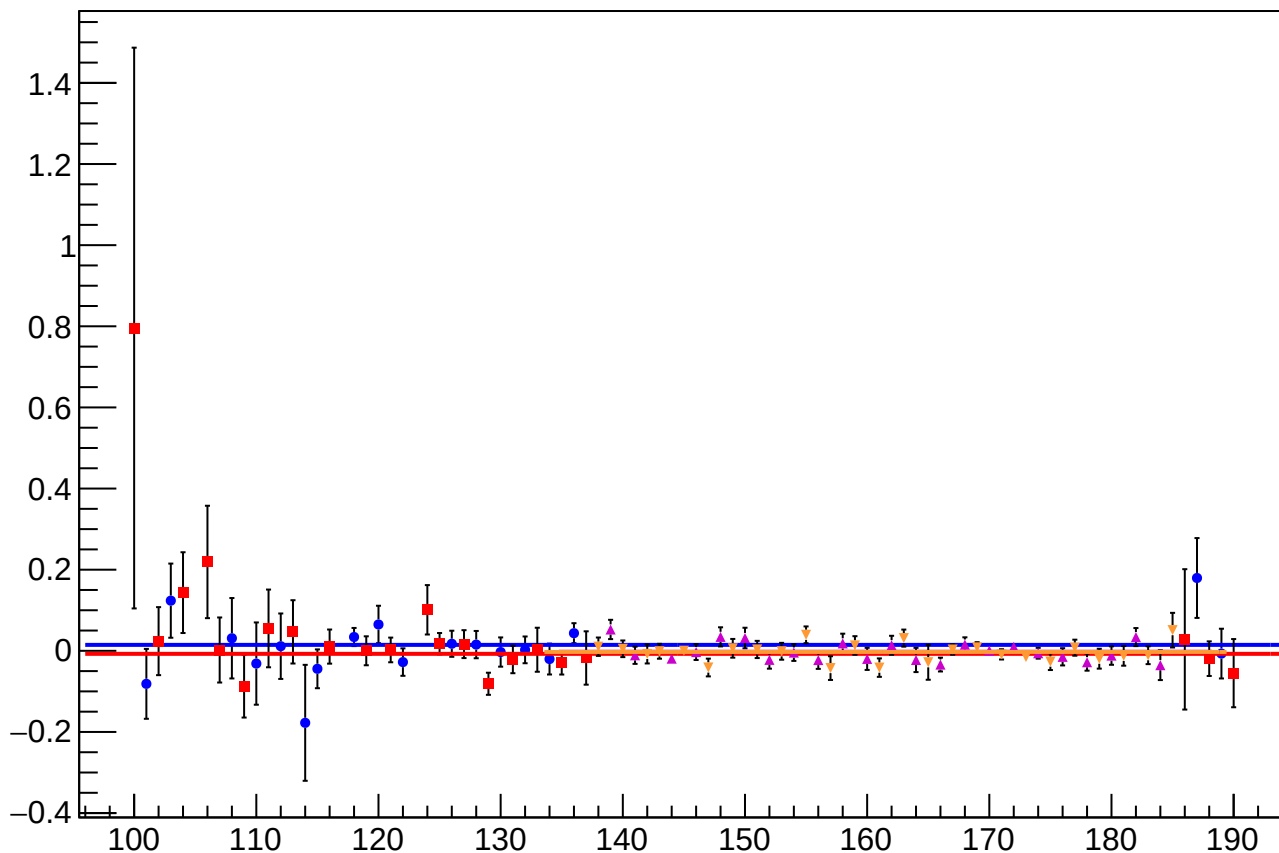
Left In: 15.116 $\pm$ 0.003 χ^2 /NDF: 3402288.3/22

+ sign 16.307 $\pm$ 0.002 χ^2 /NDF: 7533009.8/42

All: 16.392 $\pm$ 0.002 χ^2 /NDF: 16609550.8/87

- sign 16.482 $\pm$ 0.003 χ^2 /NDF: 9074050.4/44

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.010 χ^2/NDF : 15.3/17

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.007 ± 0.010 χ^2/NDF : 21.9/21

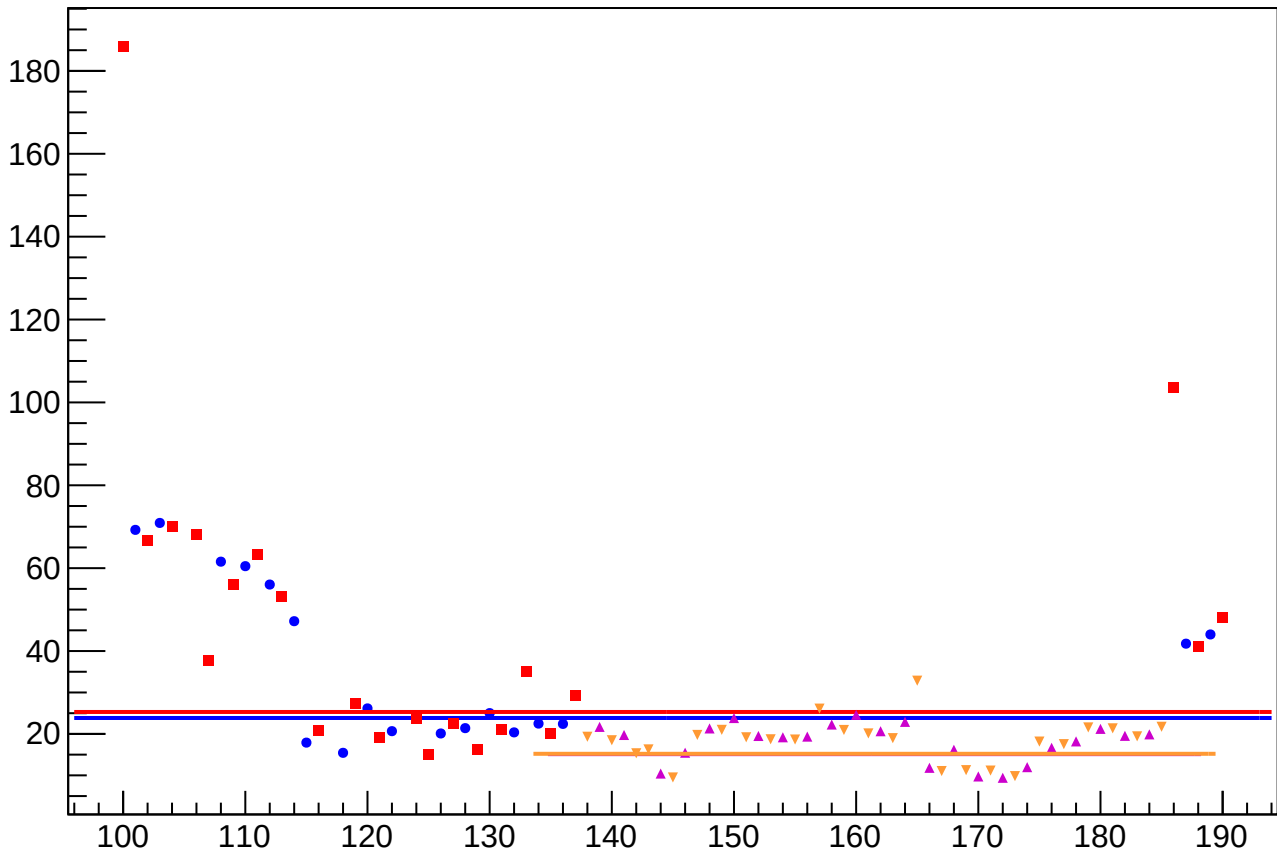
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 40.7/42

All: -0.002 ± 0.002 χ^2/NDF : 90.1/87

- sign -0.003 ± 0.004 χ^2/NDF : 49.1/44

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.844+/-0.007 χ^2/NDF : 2699161.4/17

Left Out: 15.202+/-0.003 χ^2/NDF : 3441921.2/24

Right Out: 25.295+/-0.007 χ^2/NDF : 3771615.2/21

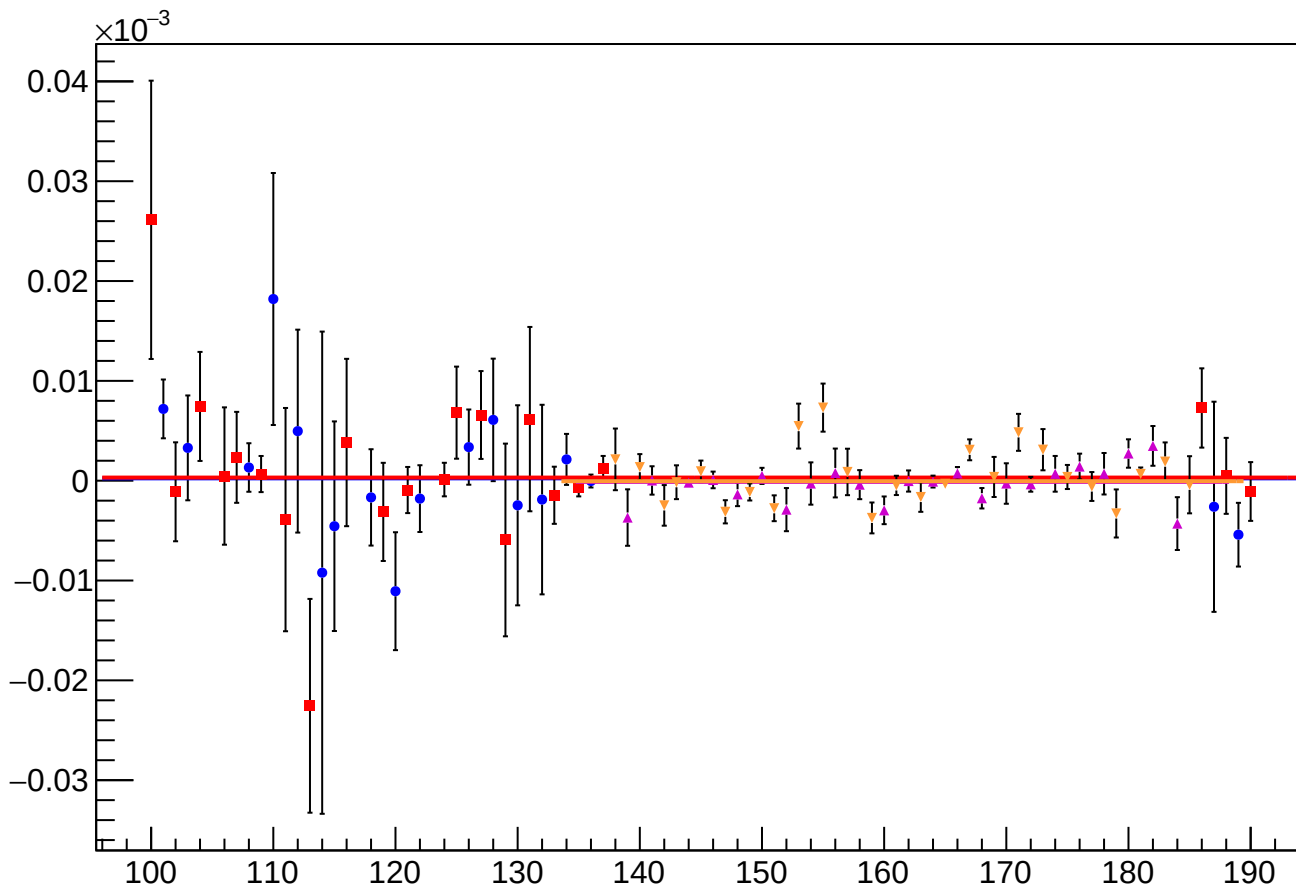
Left In: 15.116+/-0.003 χ^2/NDF : 3402288.3/22

+ sign 16.307+/-0.002 χ^2/NDF : 7533009.8/42

All: 16.392+/-0.002 χ^2/NDF : 16609550.8/87

- sign 16.482+/-0.003 χ^2/NDF : 9074050.4/44

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 18.6/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 62.8/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 21.2/21

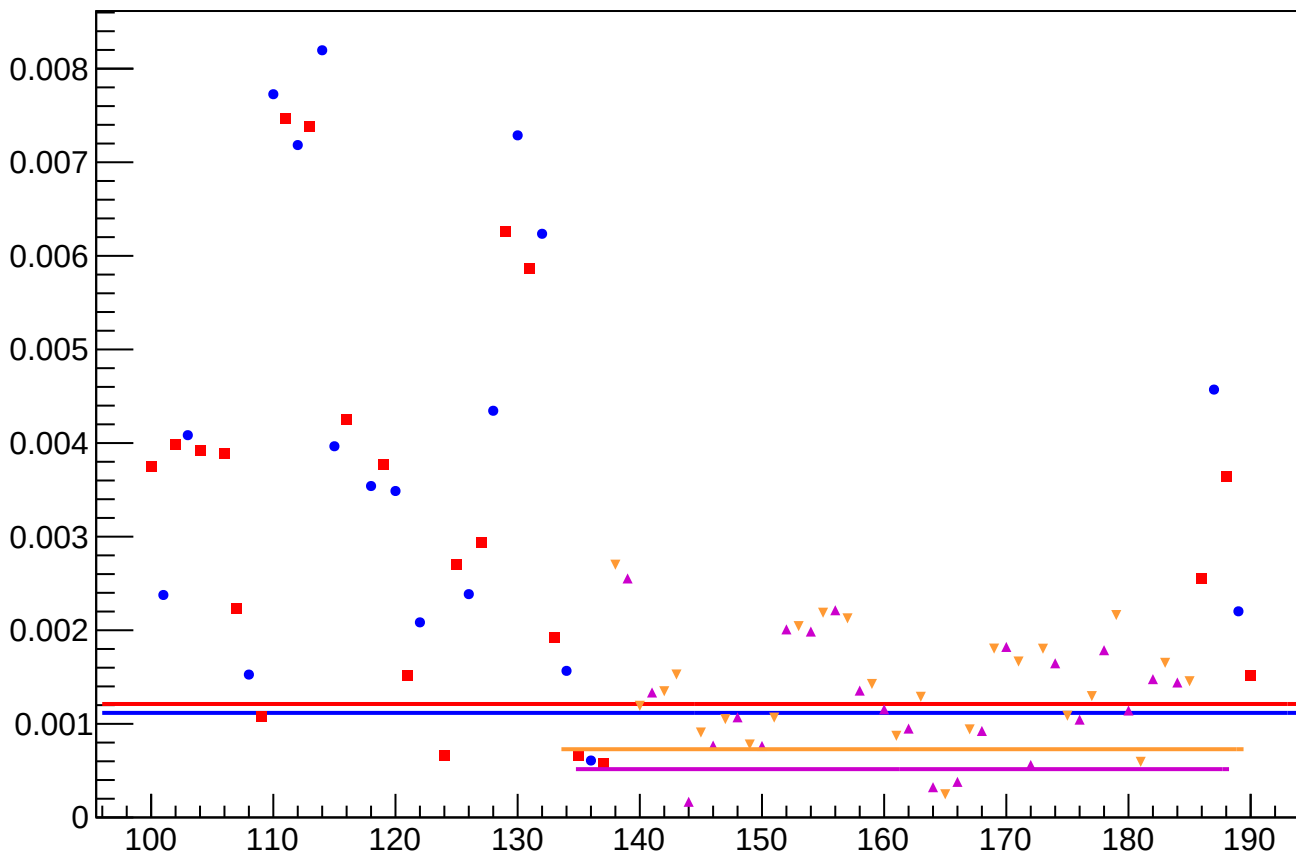
Left In: -0.000 ± 0.000 χ^2/NDF : 25.5/22

+ sign -0.000 ± 0.000 χ^2/NDF : 81.6/42

All: -0.000 ± 0.000 χ^2/NDF : 129.0/87

- sign -0.000 ± 0.000 χ^2/NDF : 47.3/44

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 7503829.2/17

Left Out: 0.001+/-0.000 χ^2/NDF :13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF : 7912615.4/21

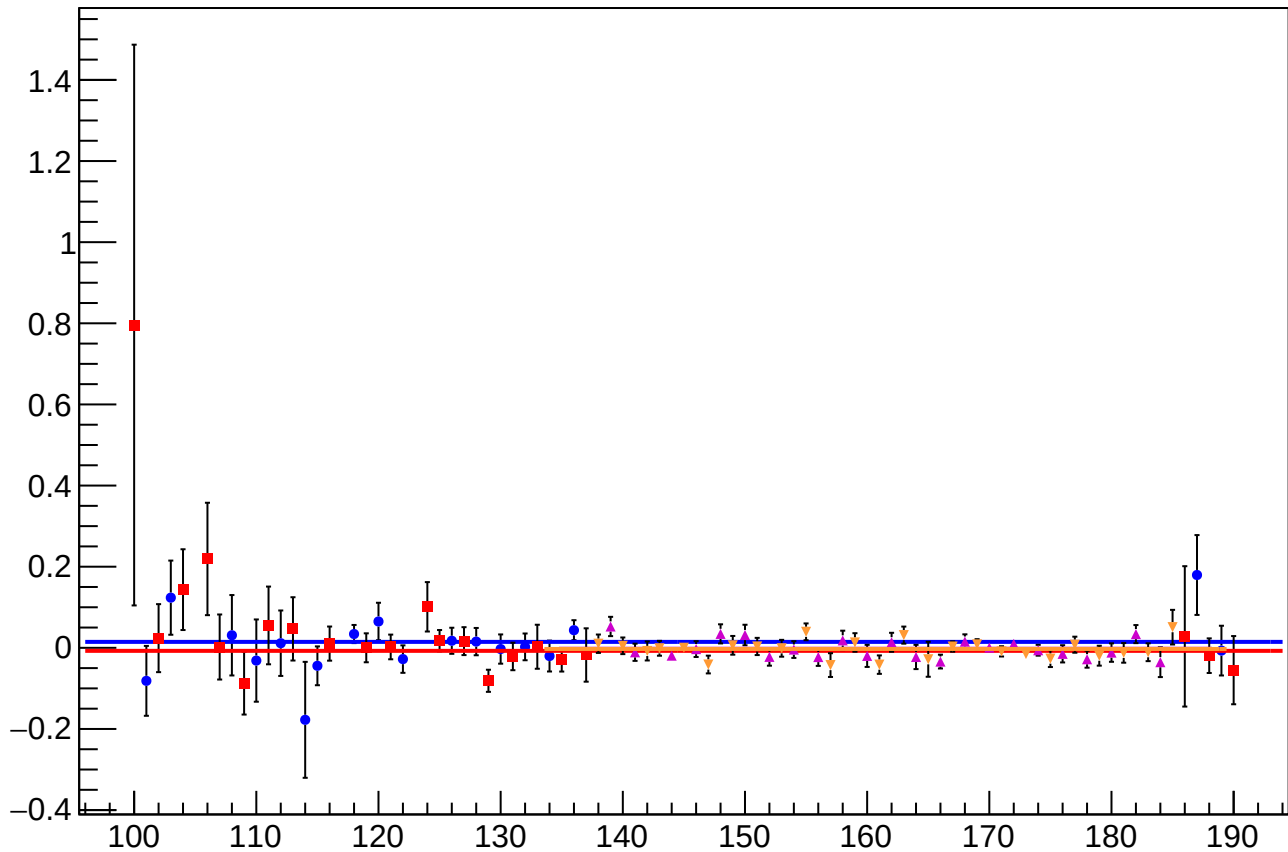
Left In: 0.001+/-0.000 χ^2/NDF :15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 21490100.0/42

All: 0.001+/-0.000 χ^2/NDF : 48544525.6/87

- sign 0.001+/-0.000 χ^2/NDF : 25879469.4/44

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015 ± 0.010 χ^2/NDF : 15.3/17

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.007 ± 0.010 χ^2/NDF : 21.9/21

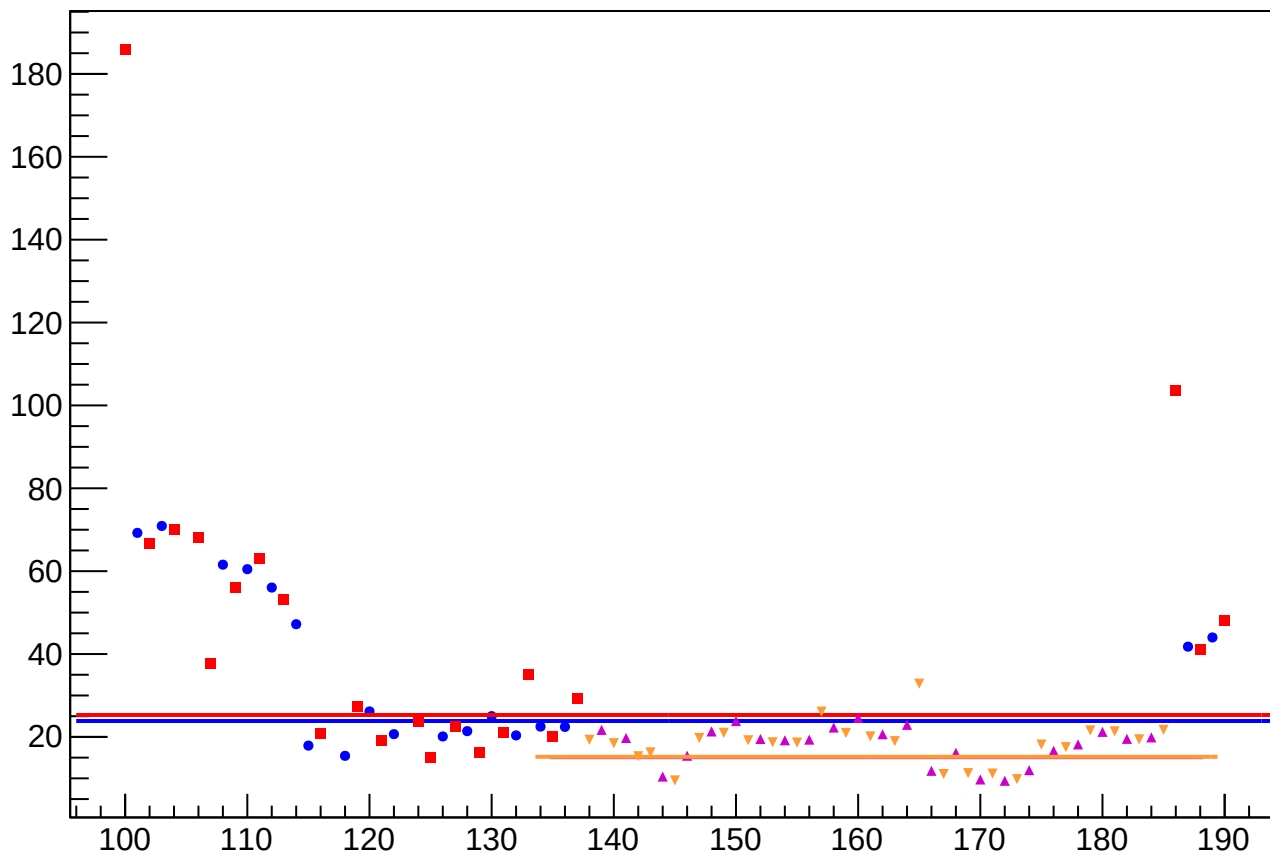
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 40.7/42

All: -0.002 ± 0.002 χ^2/NDF : 90.1/87

- sign -0.003 ± 0.004 χ^2/NDF : 49.1/44

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.843 $\pm$ 0.007 χ^2 /NDF: 2699240.7/17

Left Out: 15.202 $\pm$ 0.003 χ^2 /NDF: 3442015.2/24

Right Out: 25.295 $\pm$ 0.007 χ^2 /NDF: 3771644.0/21

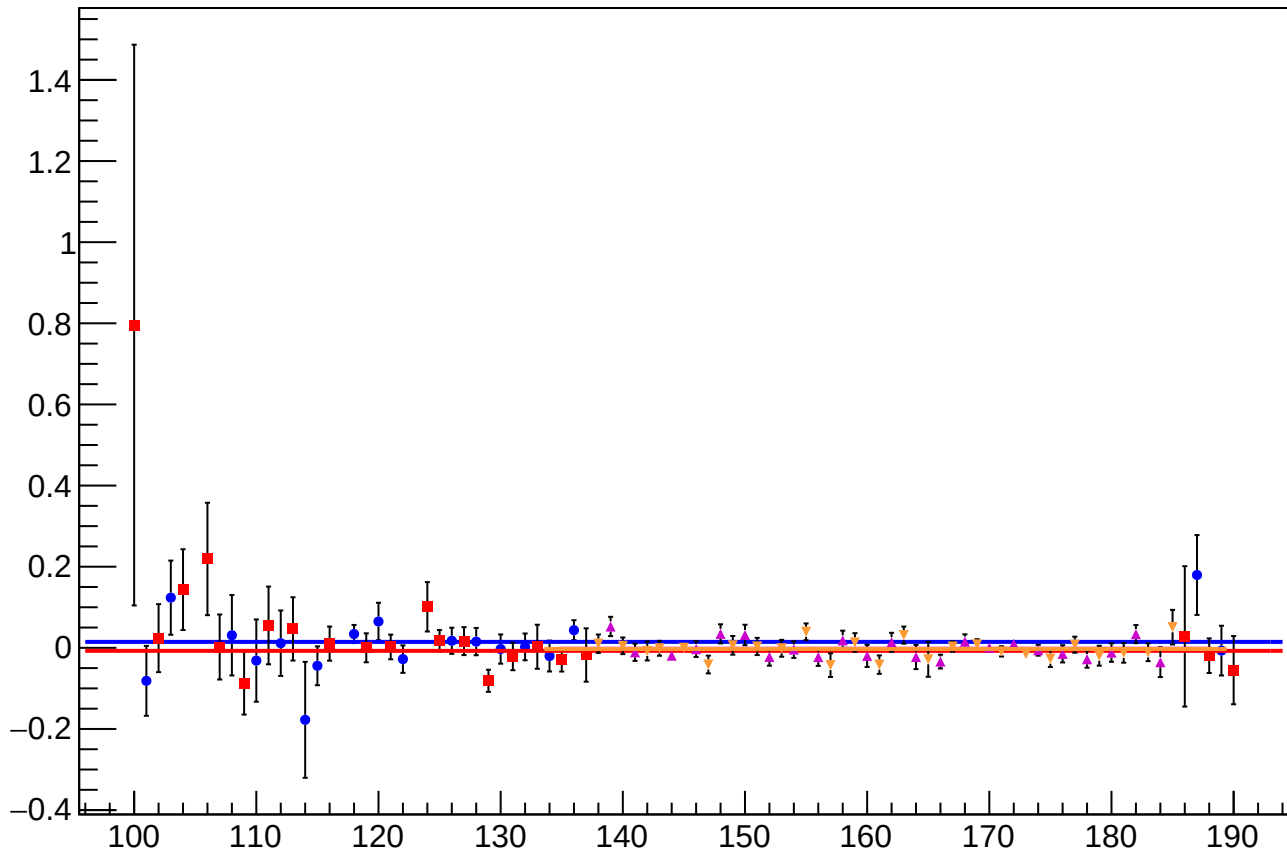
Left In: 15.117 $\pm$ 0.003 χ^2 /NDF: 3402318.1/22

+ sign 16.307 $\pm$ 0.002 χ^2 /NDF: 7532865.0/42

All: 16.392 $\pm$ 0.002 χ^2 /NDF: 16609280.2/87

- sign 16.482 $\pm$ 0.003 χ^2 /NDF: 9073922.1/44

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015 ± 0.010 χ^2/NDF : 15.3/17

Left Out: -0.003 ± 0.004 χ^2/NDF : 22.6/24

Right Out: -0.007 ± 0.010 χ^2/NDF : 21.9/21

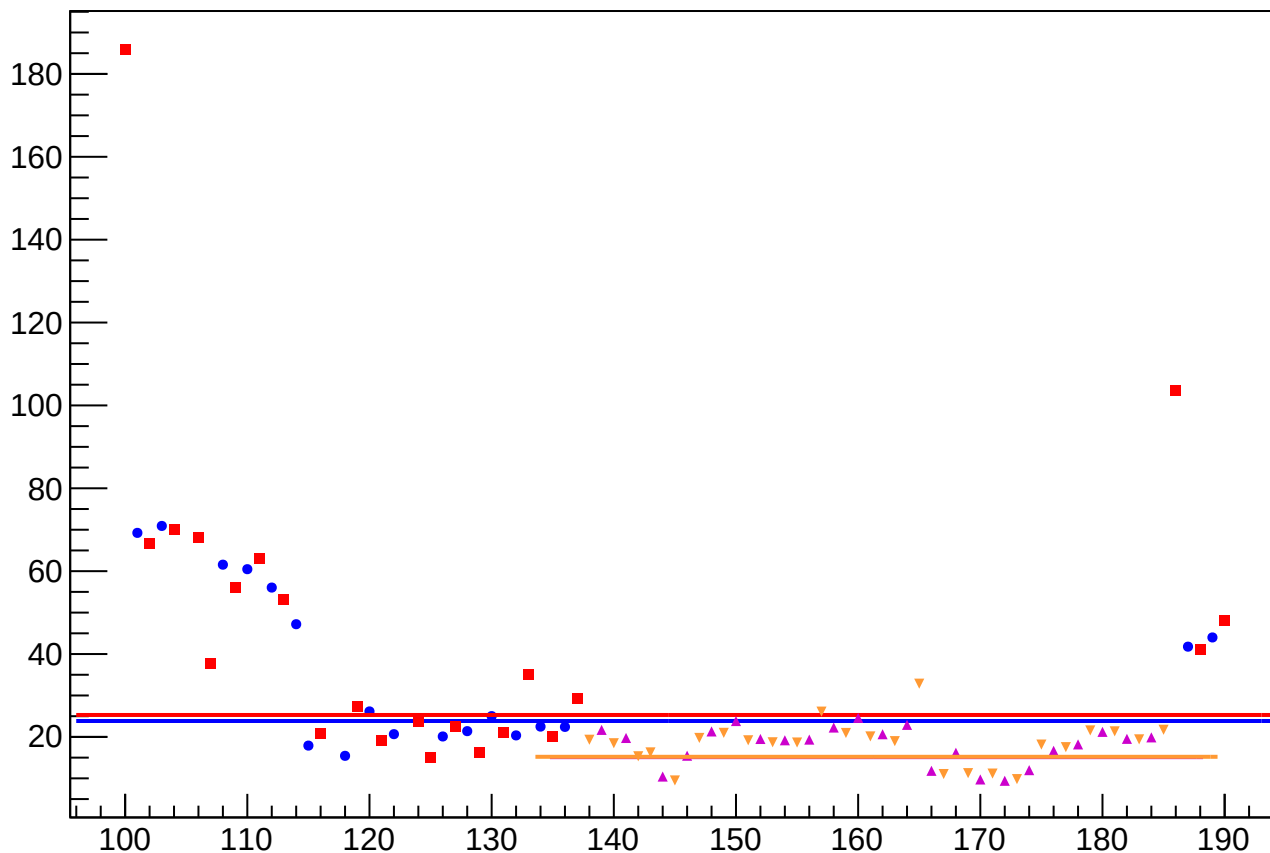
Left In: -0.002 ± 0.004 χ^2/NDF : 26.9/22

+ sign -0.001 ± 0.003 χ^2/NDF : 40.7/42

All: -0.002 ± 0.002 χ^2/NDF : 90.1/87

- sign -0.003 ± 0.004 χ^2/NDF : 49.1/44

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.843 $\pm$ 0.007 χ^2/NDF : 2699240.7/17

Left Out: 15.202 $\pm$ 0.003 χ^2/NDF : 3442015.2/24

Right Out: 25.295 $\pm$ 0.007 χ^2/NDF : 3771644.0/21

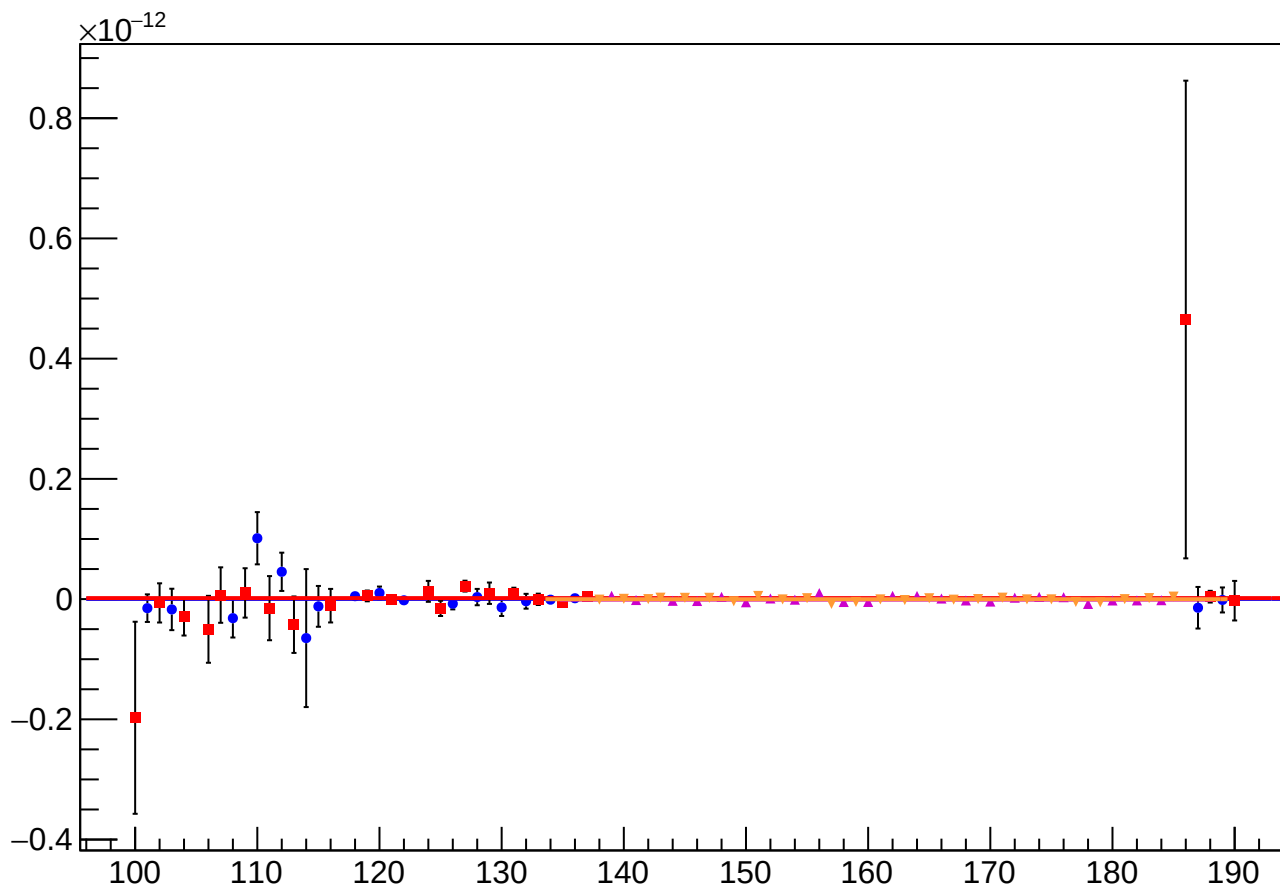
Left In: 15.117 $\pm$ 0.003 χ^2/NDF : 3402318.1/22

+ sign 16.307 $\pm$ 0.002 χ^2/NDF : 7532865.0/42

All: 16.392 $\pm$ 0.002 χ^2/NDF : 16609280.2/87

- sign 16.482 $\pm$ 0.003 χ^2/NDF : 9073922.1/44

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13.1/17

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 21.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 17.0/21

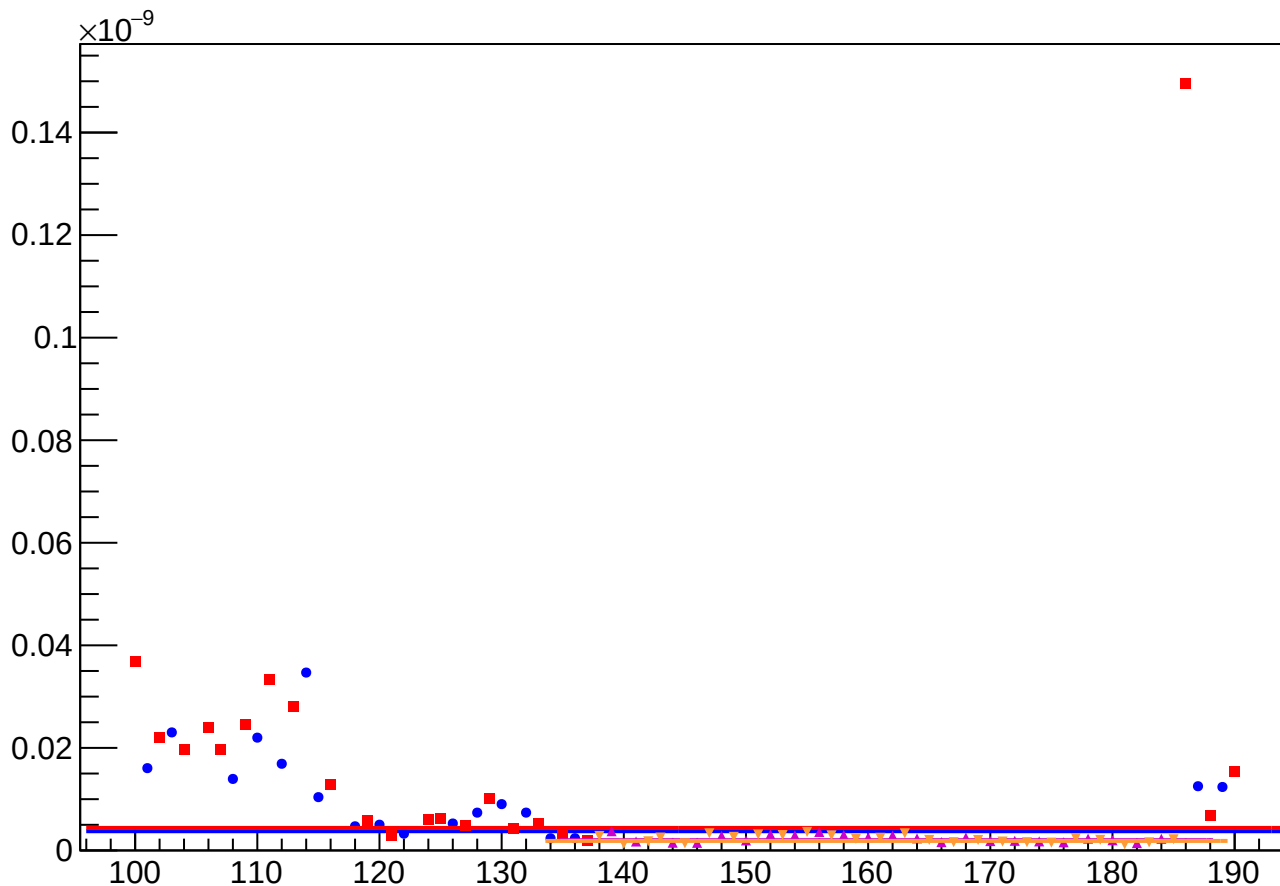
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 39.5/22

+ sign -0.000 $\pm$ 0.000 χ^2 /NDF: 34.6/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 92.6/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 57.6/44

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 4069457.7/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5080677.4/21

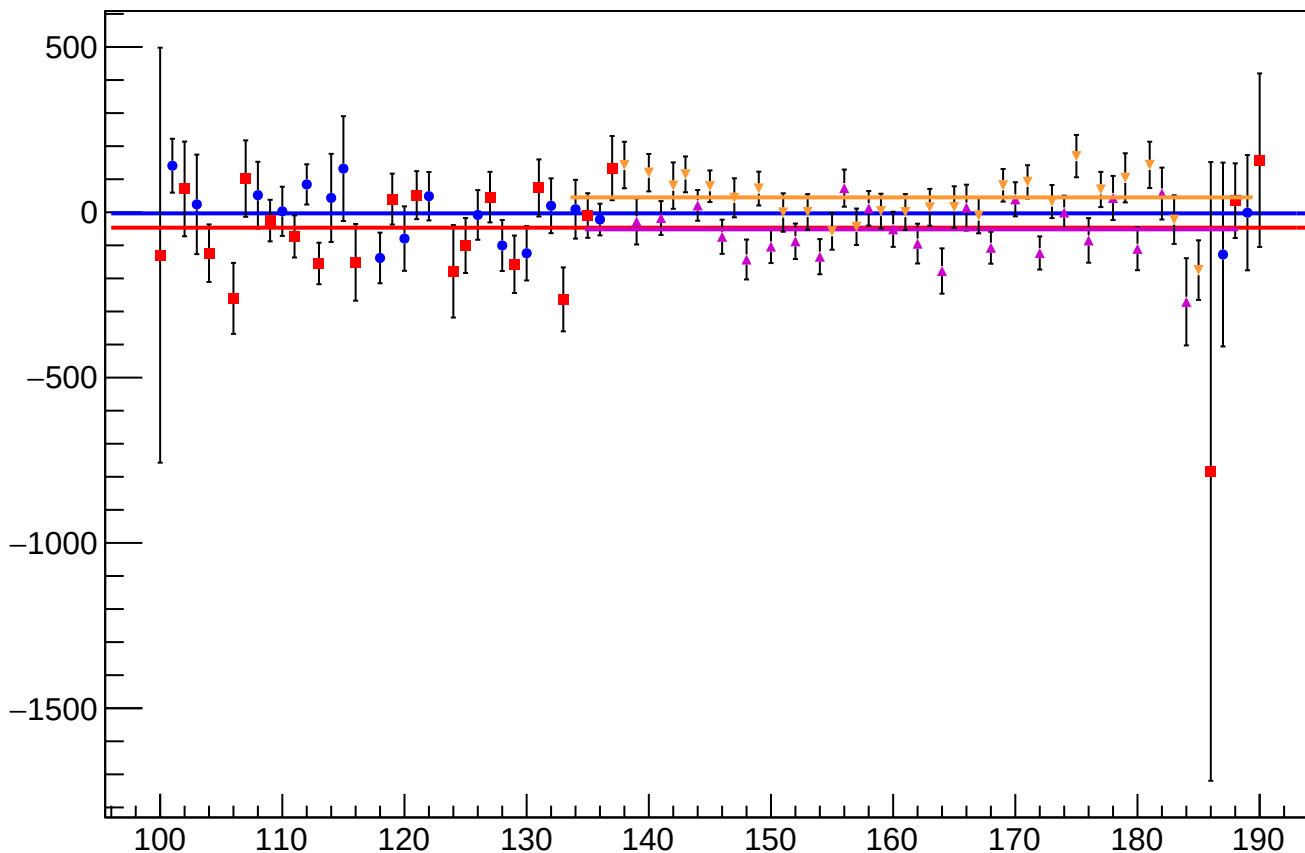
Left In: 0.000+/-0.000 χ^2/NDF : 1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 8318237.8/42

All: 0.000+/-0.000 χ^2/NDF : 17497449.7/87

- sign 0.000+/-0.000 χ^2/NDF : 9082518.1/44

reg_asym_sam_1357_avg_mean vs Slug



Right In: -3.232 ± 19.814 $\chi^2/\text{NDF}: 14.8/17$

Left Out: 45.093 ± 11.495 $\chi^2/\text{NDF}: 31.3/24$

Right Out: -46.529 ± 19.275 $\chi^2/\text{NDF}: 31.1/21$

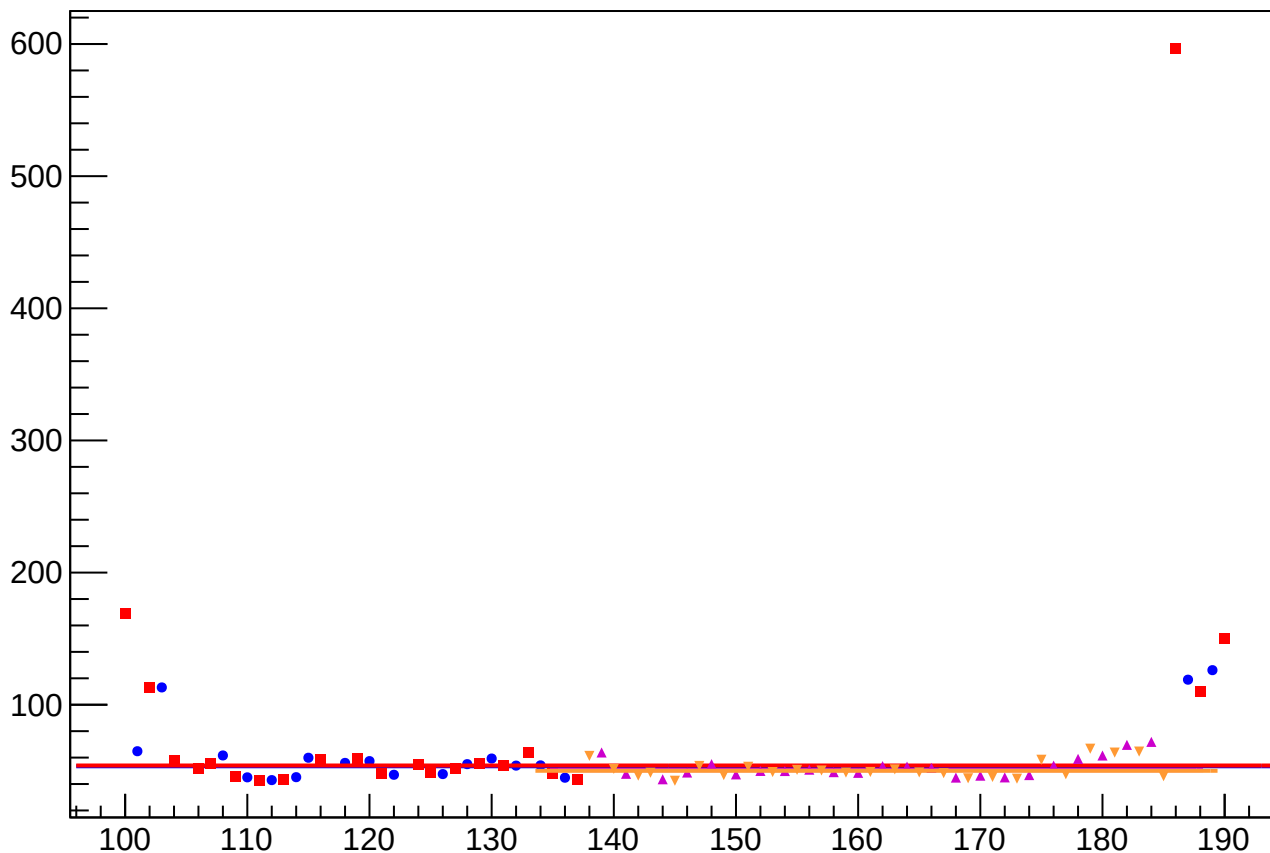
Left In: -51.616 ± 11.929 $\chi^2/\text{NDF}: 35.9/22$

+ sign 32.924 ± 9.943 $\chi^2/\text{NDF}: 50.6/42$

All: -7.810 ± 7.100 $\chi^2/\text{NDF}: 151.9/87$

- sign -50.207 ± 10.143 $\chi^2/\text{NDF}: 67.0/44$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 53.425 $\pm$ 0.014 χ^2 /NDF: 1031027.9/17

Left Out: 50.021 $\pm$ 0.008 χ^2 /NDF: 509100.0/24

Right Out: 54.019 $\pm$ 0.014 χ^2 /NDF: 2105809.4/21

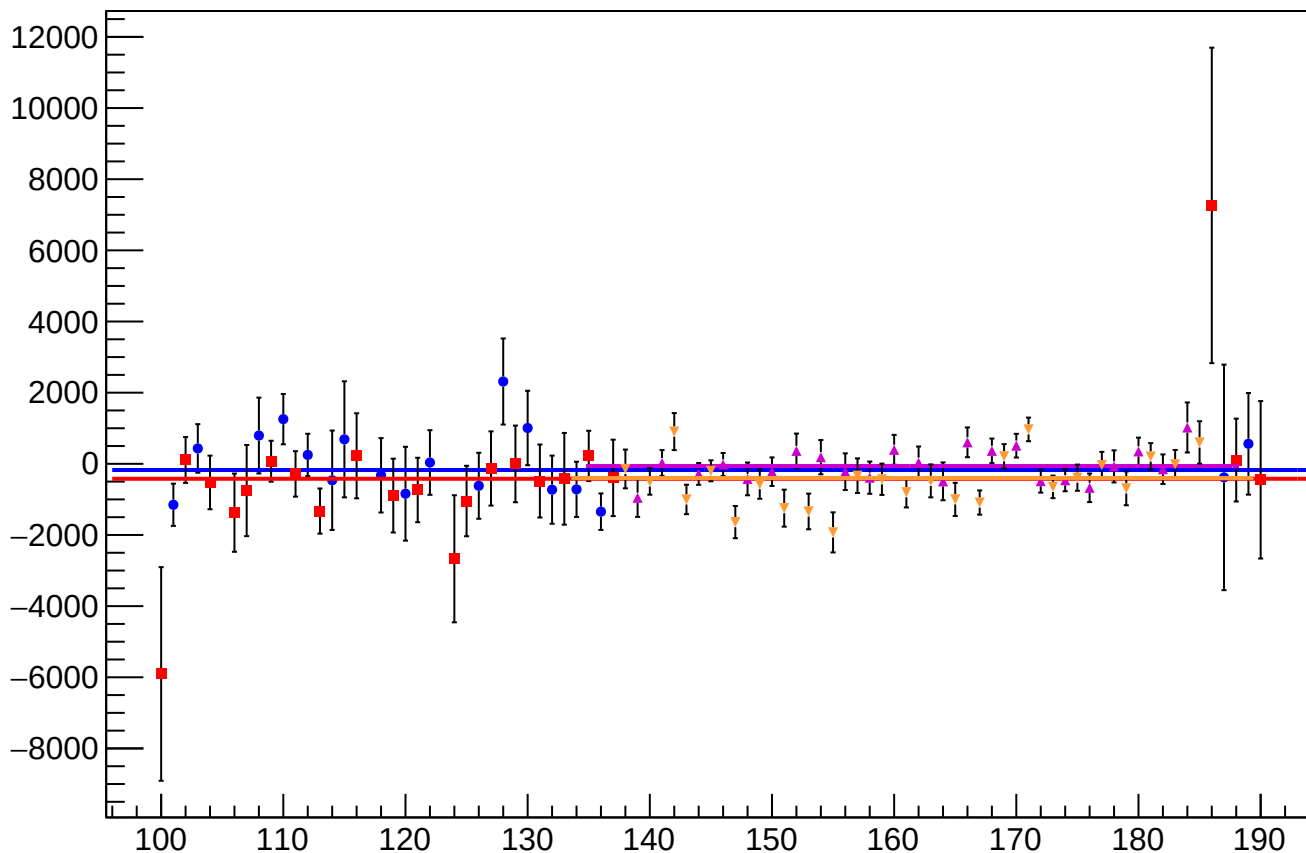
Left In: 50.512 $\pm$ 0.008 χ^2 /NDF: 503409.2/22

+ sign 50.878 $\pm$ 0.007 χ^2 /NDF: 1584297.1/42

All: 51.175 $\pm$ 0.005 χ^2 /NDF: 4245017.6/87

- sign 51.483 $\pm$ 0.007 χ^2 /NDF: 2657091.2/44

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -174.156 $\pm$ 203.289 χ^2 /NDF: 21.6/17

Left Out: -399.363 $\pm$ 82.064 χ^2 /NDF: 65.4/24

Right Out: -420.401 $\pm$ 199.835 χ^2 /NDF: 14.5/21

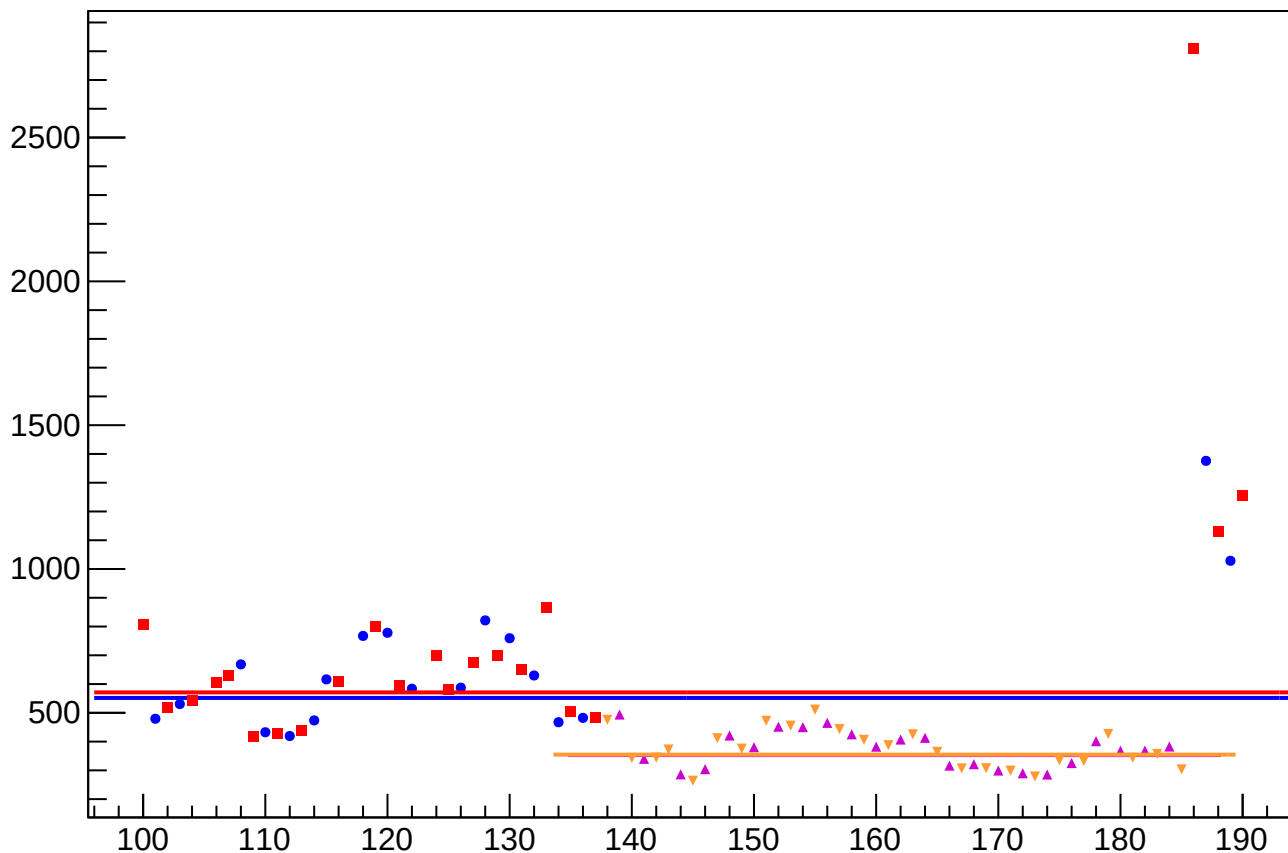
Left In: -62.038 $\pm$ 83.892 χ^2 /NDF: 23.9/22

+ sign -367.806 $\pm$ 76.097 χ^2 /NDF: 88.1/42

All: -243.832 $\pm$ 54.247 χ^2 /NDF: 134.7/87

- sign -115.733 $\pm$ 77.352 χ^2 /NDF: 41.2/44

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 551.835 ± 0.144 $\chi^2/\text{NDF}: 980322.6/17$

Left Out: 354.670 ± 0.058 $\chi^2/\text{NDF}: 1145465.6/24$

Right Out: 571.000 ± 0.141 $\chi^2/\text{NDF}: 1839798.8/21$

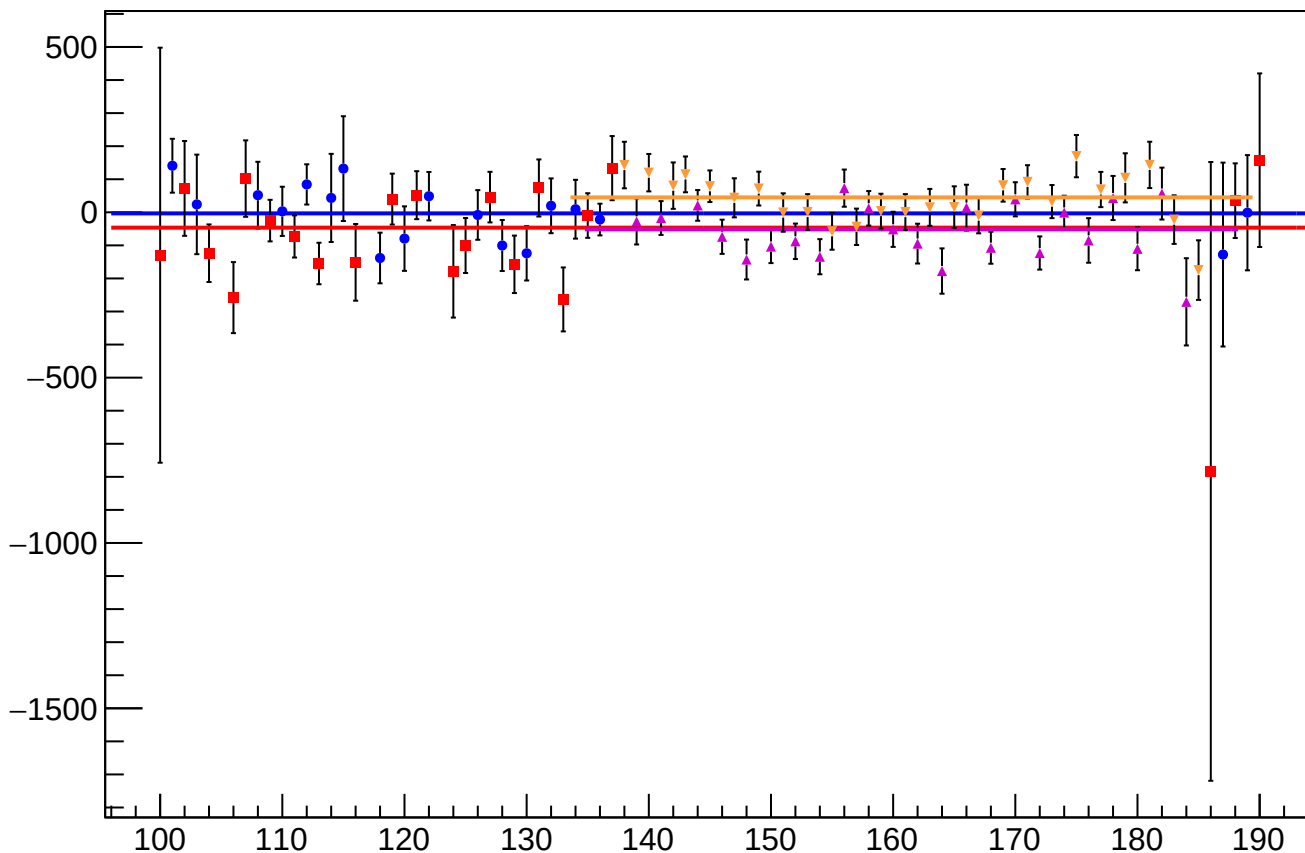
Left In: 353.110 ± 0.059 $\chi^2/\text{NDF}: 1004127.0/22$

+ sign 382.297 ± 0.054 $\chi^2/\text{NDF}: 3743490.5/42$

All: 383.999 ± 0.038 $\chi^2/\text{NDF}: 8610923.2/87$

- sign 385.757 ± 0.055 $\chi^2/\text{NDF}: 4865399.6/44$

cor_asym_sam_1357_avg_mean vs Slug



Right In: -3.236 ± 19.814 $\chi^2/\text{NDF}: 14.8/17$

Left Out: 45.096 ± 11.495 $\chi^2/\text{NDF}: 31.3/24$

Right Out: -46.416 ± 19.276 $\chi^2/\text{NDF}: 31.1/21$

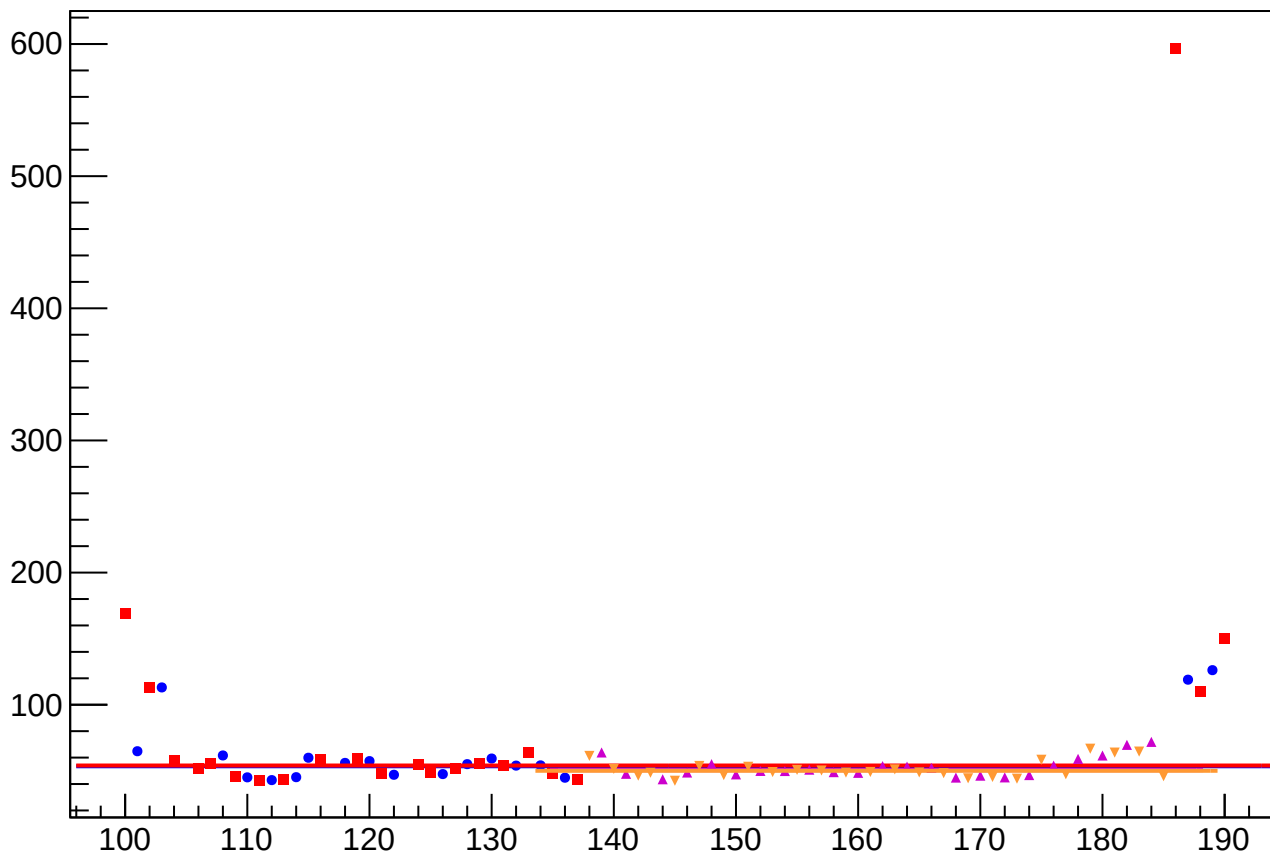
Left In: -51.616 ± 11.929 $\chi^2/\text{NDF}: 35.8/22$

+ sign 32.926 ± 9.943 $\chi^2/\text{NDF}: 50.6/42$

All: -7.794 ± 7.100 $\chi^2/\text{NDF}: 151.8/87$

- sign -50.176 ± 10.143 $\chi^2/\text{NDF}: 67.0/44$

cor_asym_sam_1357_avg_rms vs Slug



Right In: 53.425 $\pm$ 0.014 χ^2 /NDF: 1031030.2/17

Left Out: 50.021 $\pm$ 0.008 χ^2 /NDF: 509100.0/24

Right Out: 54.009 $\pm$ 0.014 χ^2 /NDF: 2106291.8/21

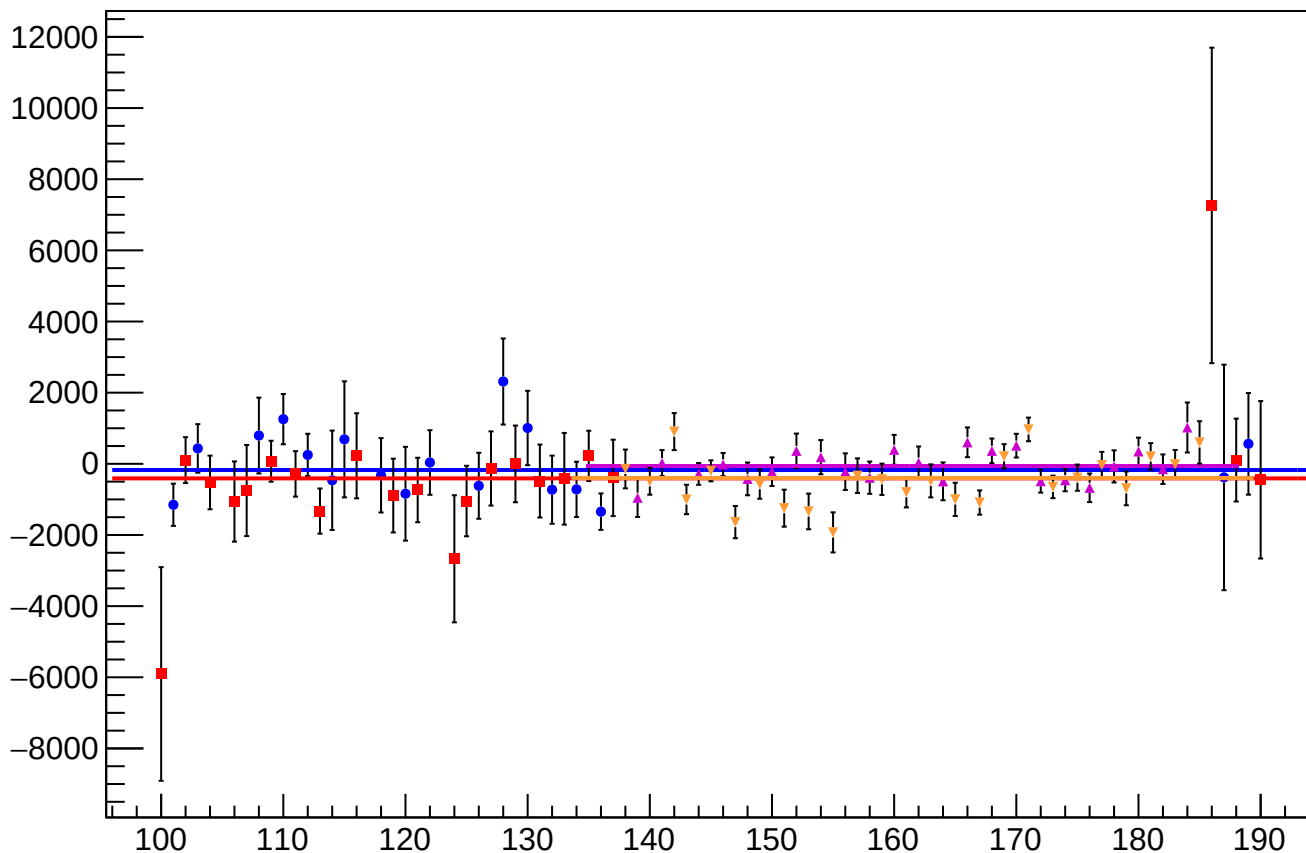
Left In: 50.512 $\pm$ 0.008 χ^2 /NDF: 503409.2/22

+ sign 50.878 $\pm$ 0.007 χ^2 /NDF: 1584299.4/42

All: 51.173 $\pm$ 0.005 χ^2 /NDF: 4245200.0/87

- sign 51.481 $\pm$ 0.007 χ^2 /NDF: 2657304.3/44

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -174.133 ± 203.291 $\chi^2/\text{NDF}: 21.6/17$

Left Out: -399.358 ± 82.064 $\chi^2/\text{NDF}: 65.4/24$

Right Out: -409.424 ± 200.017 $\chi^2/\text{NDF}: 14.1/21$

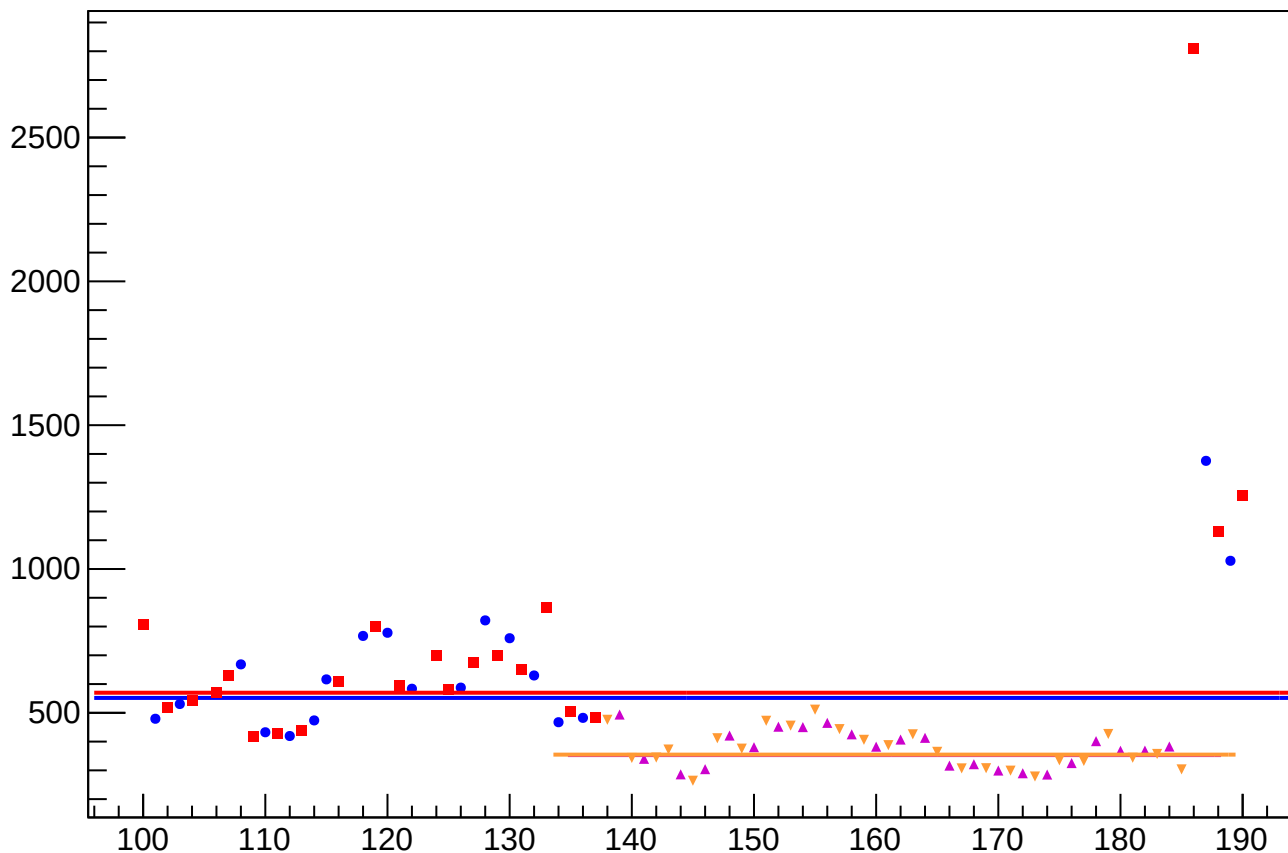
Left In: -62.038 ± 83.892 $\chi^2/\text{NDF}: 23.9/22$

+ sign -367.800 ± 76.097 $\chi^2/\text{NDF}: 88.1/42$

All: -242.997 ± 54.251 $\chi^2/\text{NDF}: 134.1/87$

- sign -114.007 ± 77.363 $\chi^2/\text{NDF}: 40.6/44$

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 551.840 $\pm$ 0.144 χ^2 /NDF: 980312.4/17

Left Out: 354.670 $\pm$ 0.058 χ^2 /NDF:1145468.3/24

Right Out: 569.883 $\pm$ 0.141 χ^2 /NDF: 1837423.2/21

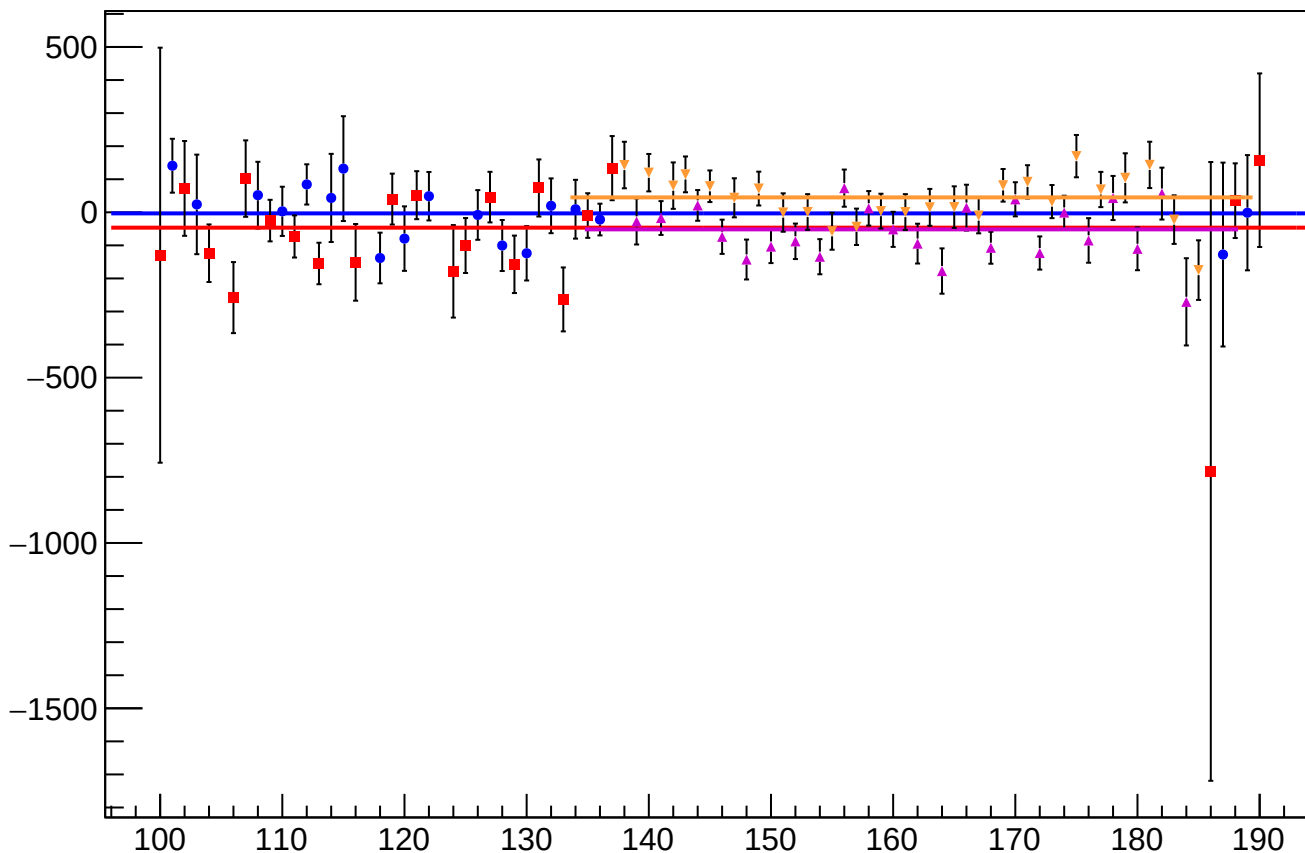
Left In: 353.110 $\pm$ 0.059 χ^2 /NDF:1004126.9/22

+ sign 382.297 $\pm$ 0.054 χ^2 /NDF: 3743547.6/42

All: 383.892 $\pm$ 0.038 χ^2 /NDF: 8584583.5/87

- sign 385.539 $\pm$ 0.055 χ^2 /NDF: 4839251.0/44

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -3.236 ± 19.814 χ^2/NDF : 14.8/17

Left Out: 45.096 ± 11.495 χ^2/NDF : 31.3/24

Right Out: -46.416 ± 19.276 χ^2/NDF : 31.1/21

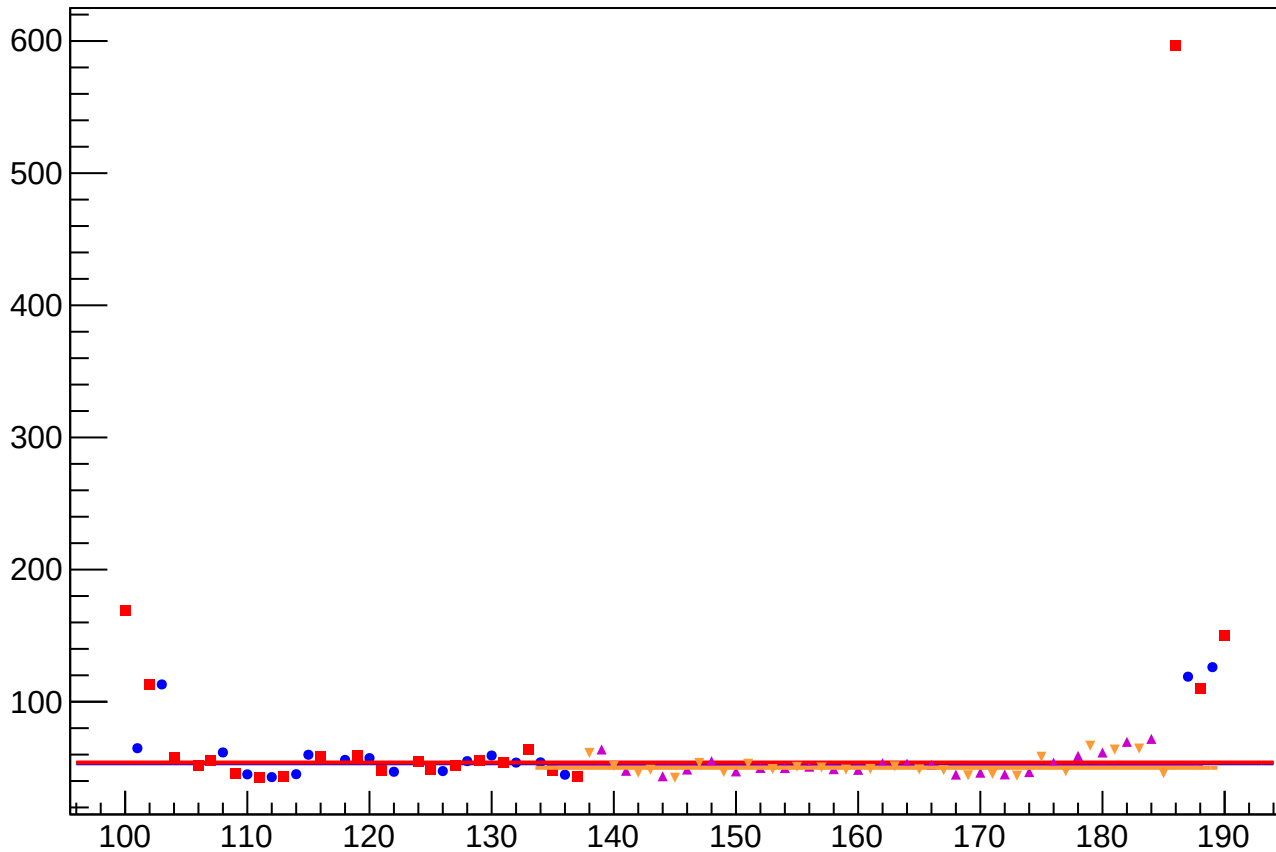
Left In: -51.616 ± 11.929 χ^2/NDF : 35.8/22

+ sign 32.926 ± 9.943 χ^2/NDF : 50.6/42

All: -7.794 ± 7.100 χ^2/NDF : 151.8/87

- sign -50.176 ± 10.143 χ^2/NDF : 67.0/44

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 53.425 $\pm$ 0.014 χ^2 /NDF: 1031030.2/17

Left Out: 50.021 $\pm$ 0.008 χ^2 /NDF: 509100.0/24

Right Out: 54.009 $\pm$ 0.014 χ^2 /NDF: 2106291.8/21

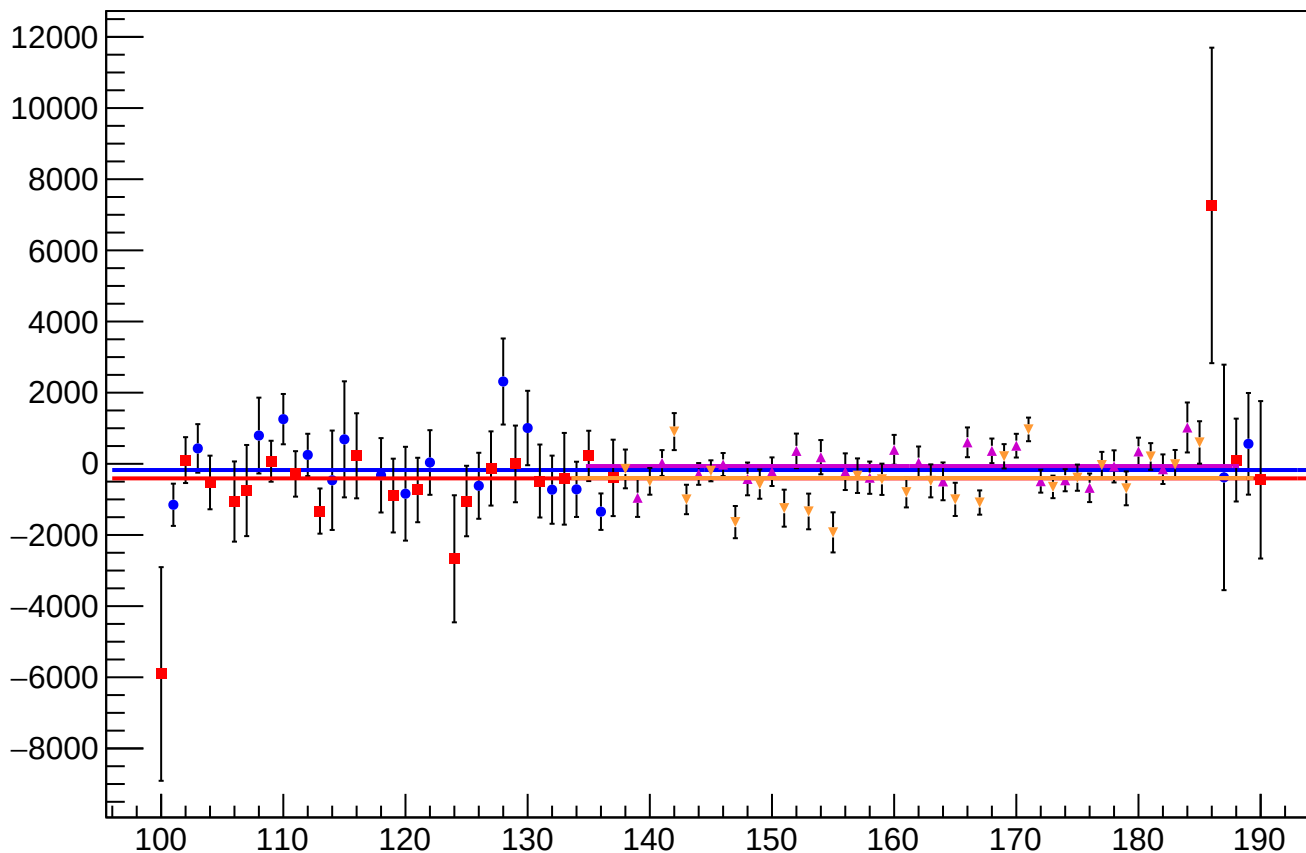
Left In: 50.512 $\pm$ 0.008 χ^2 /NDF: 503409.2/22

+ sign 50.878 $\pm$ 0.007 χ^2 /NDF: 1584299.4/42

All: 51.173 $\pm$ 0.005 χ^2 /NDF: 4245200.0/87

- sign 51.481 $\pm$ 0.007 χ^2 /NDF: 2657304.3/44

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug



Right In: -174.133 $\pm$ 203.291 χ^2 /NDF: 21.6/17

Left Out: -399.358 $\pm$ 82.064 χ^2 /NDF: 65.4/24

Right Out: -409.424 $\pm$ 200.017 χ^2 /NDF: 14.1/21

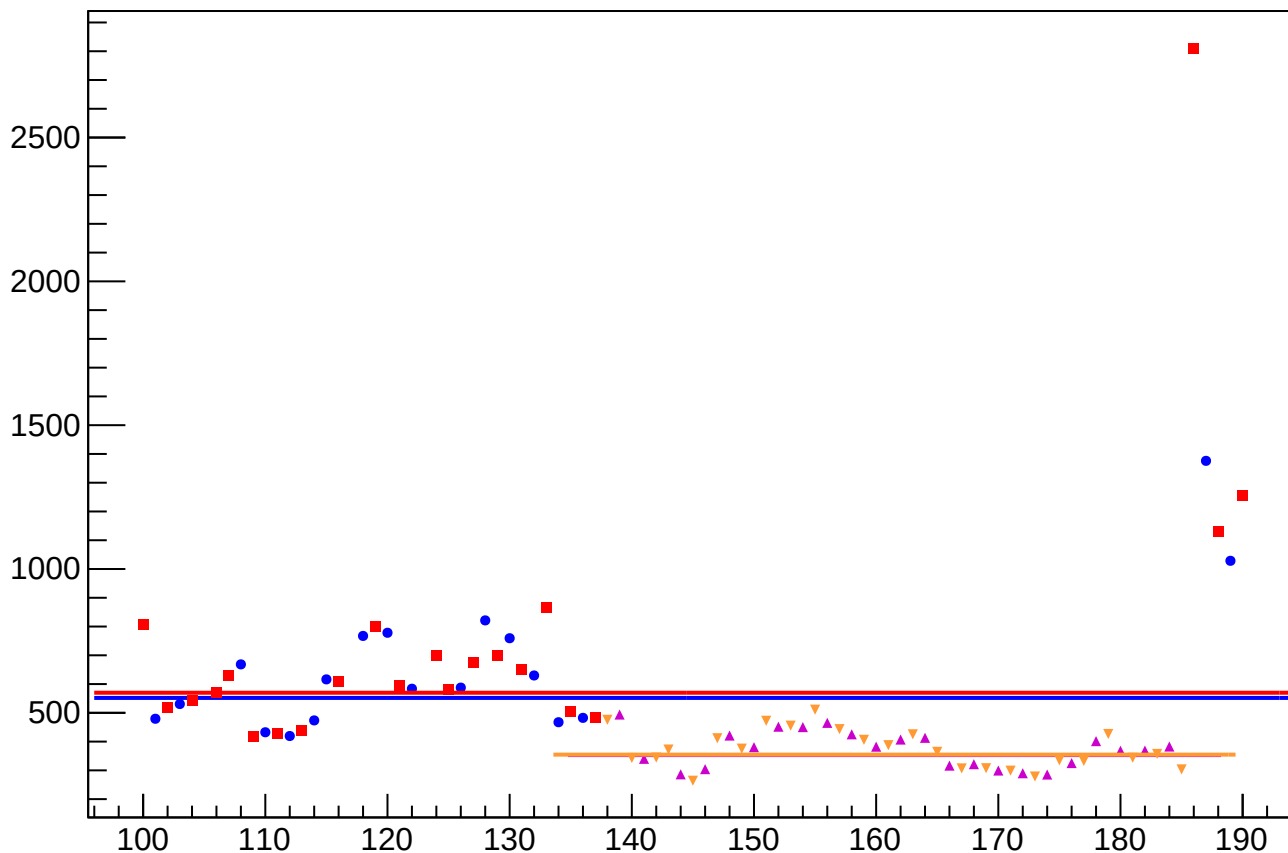
Left In: -62.038 $\pm$ 83.892 χ^2 /NDF: 23.9/22

+ sign -367.800 $\pm$ 76.097 χ^2 /NDF: 88.1/42

All: -242.997 $\pm$ 54.251 χ^2 /NDF: 134.1/87

- sign -114.007 $\pm$ 77.363 χ^2 /NDF: 40.6/44

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



Right In: 551.840 ± 0.144 χ^2/NDF : 980312.4/17

Left Out: 354.670 ± 0.058 χ^2/NDF : 1145468.3/24

Right Out: 569.883 ± 0.141 χ^2/NDF : 1837423.2/21

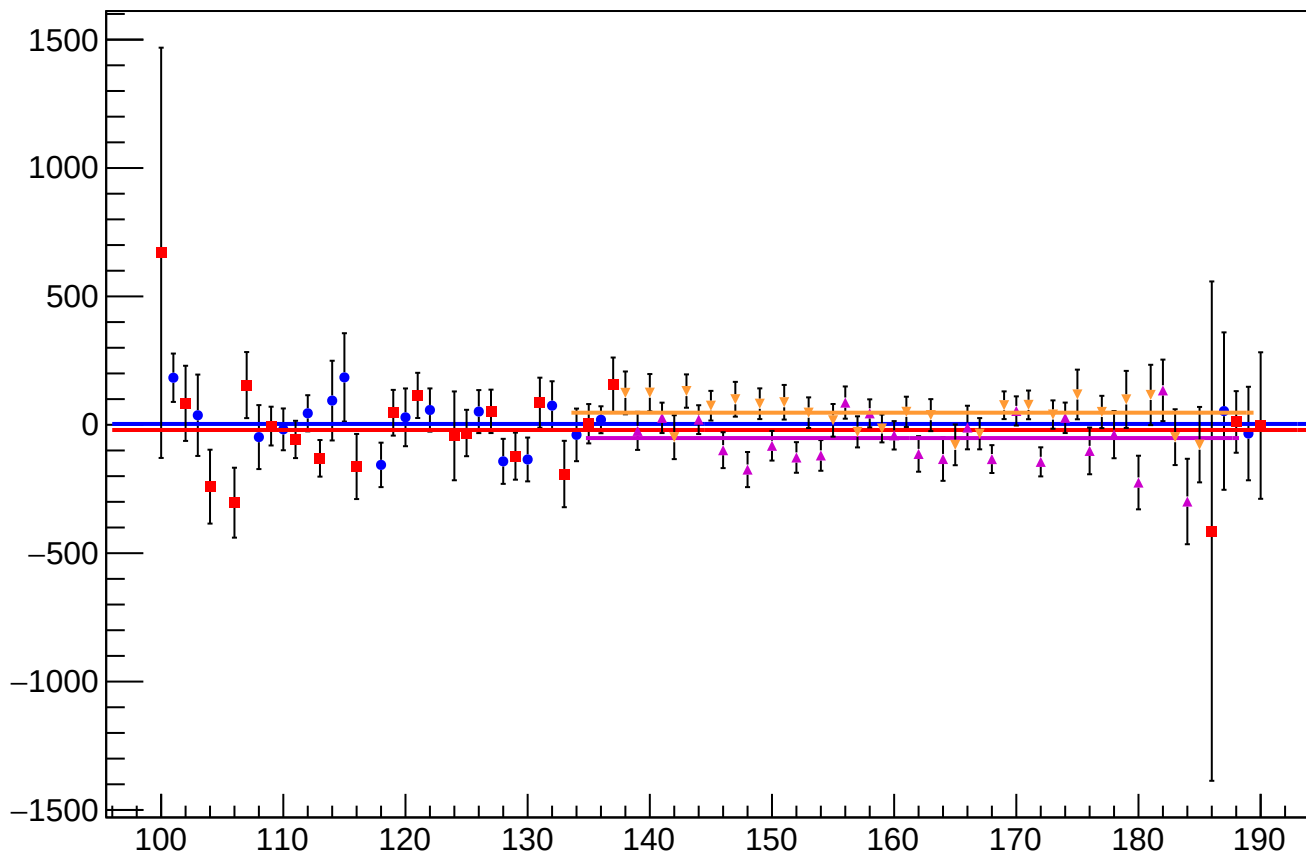
Left In: 353.110 ± 0.059 χ^2/NDF : 1004126.9/22

+ sign 382.297 ± 0.054 χ^2/NDF : 3743547.6/42

All: 383.892 ± 0.038 χ^2/NDF : 8584583.5/87

- sign 385.539 ± 0.055 χ^2/NDF : 4839251.0/44

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.298 ± 22.252 χ^2/NDF : 16.2/17

Left Out: 47.151 ± 13.511 χ^2/NDF : 17.0/24

Right Out: -20.229 ± 22.295 χ^2/NDF : 24.7/21

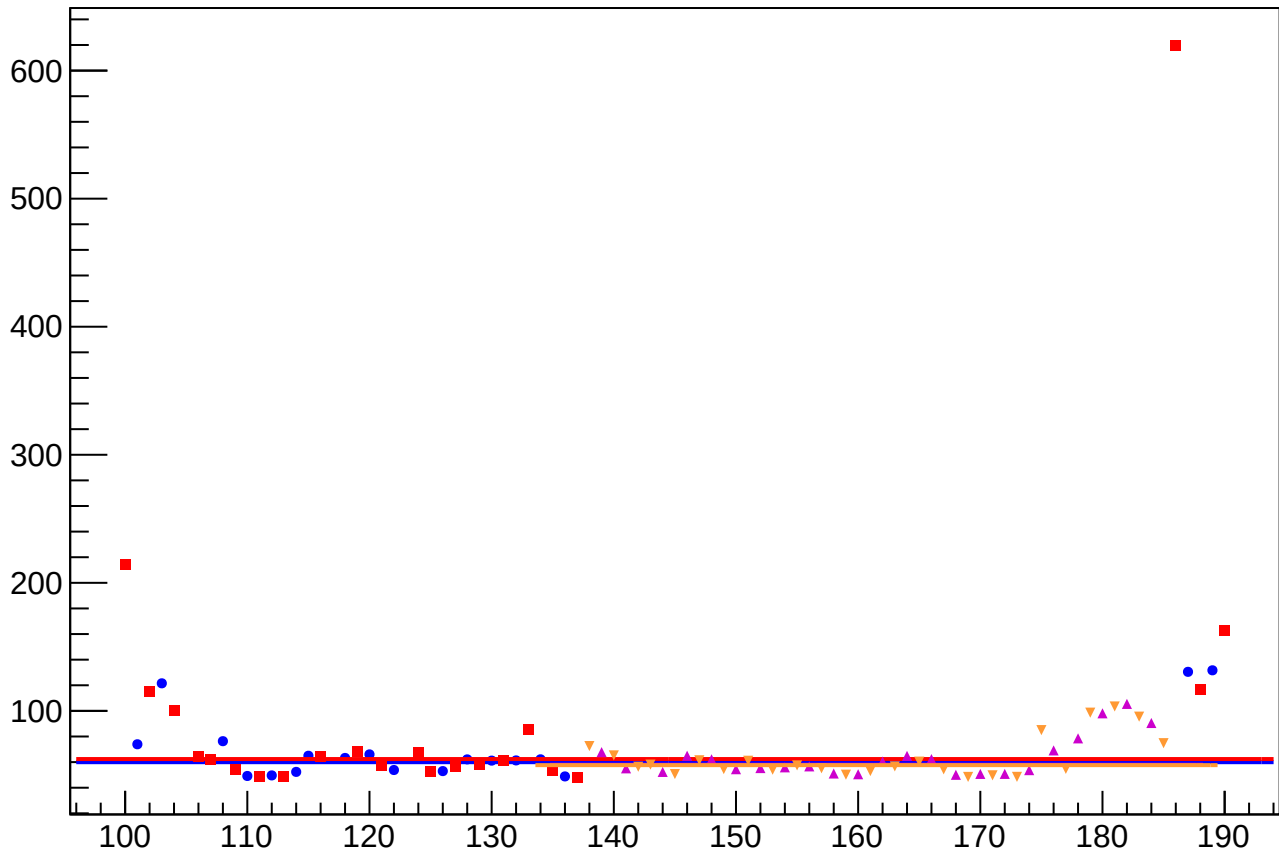
Left In: -51.652 ± 13.934 χ^2/NDF : 38.2/22

+ sign 35.338 ± 11.549 χ^2/NDF : 36.0/42

All: -2.852 ± 8.259 χ^2/NDF : 122.7/87

- sign -42.826 ± 11.816 χ^2/NDF : 64.3/44

dit_asym_sam_1357_avg_rms vs Slug



Right In: 59.939 $\pm$ 0.016 χ^2 /NDF: 1008135.7/17

Left Out: 57.631 $\pm$ 0.010 χ^2 /NDF: 1365448.6/24

Right Out: 62.394 $\pm$ 0.016 χ^2 /NDF: 2135799.6/21

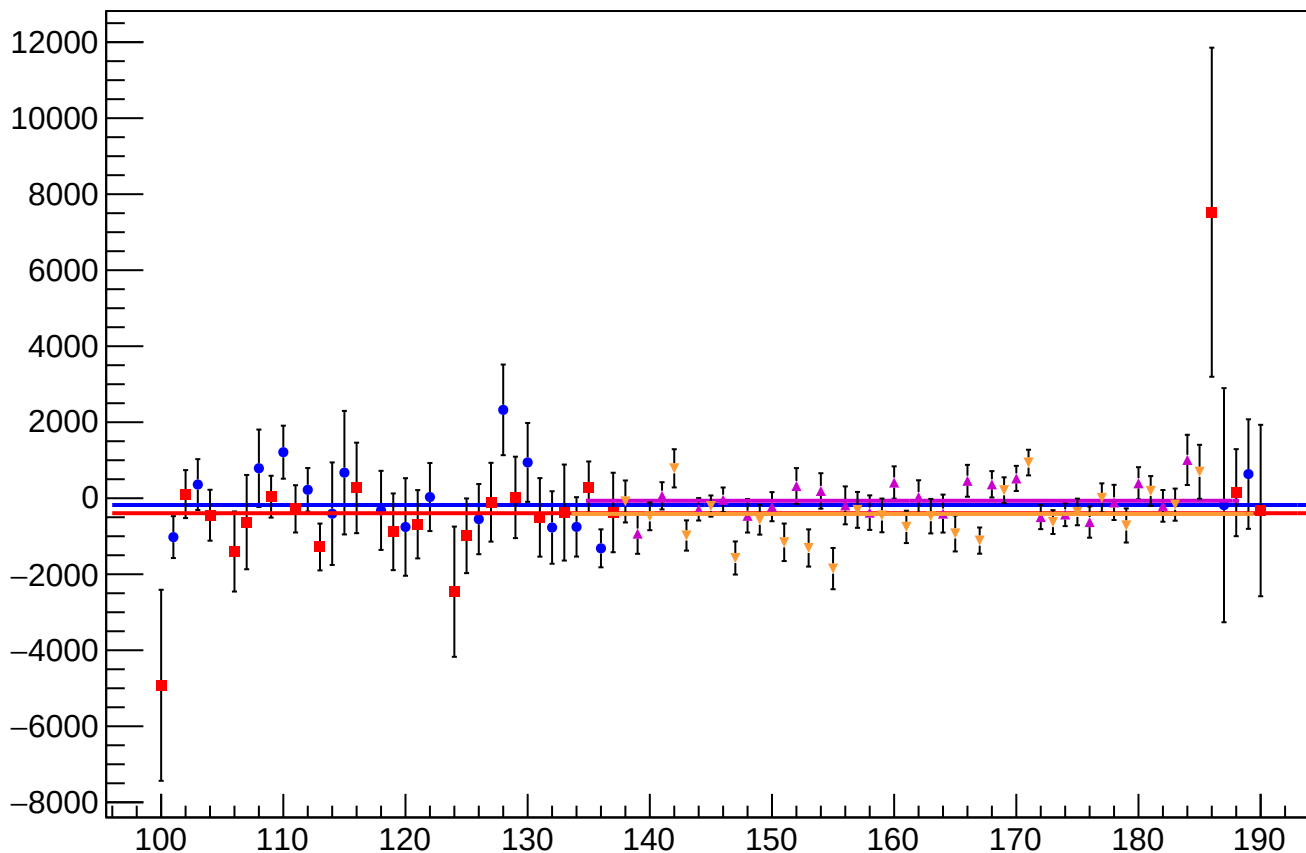
Left In: 57.940 $\pm$ 0.010 χ^2 /NDF: 1124523.3/22

+ sign 58.252 $\pm$ 0.008 χ^2 /NDF: 2389300.4/42

All: 58.711 $\pm$ 0.006 χ^2 /NDF: 5713490.2/87

- sign 59.191 $\pm$ 0.008 χ^2 /NDF: 3317734.7/44

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -178.136 $\pm$ 198.275 χ^2 /NDF: 21.1/17

Left Out: -413.053 $\pm$ 81.134 χ^2 /NDF: 61.3/24

Right Out: -394.053 $\pm$ 193.246 χ^2 /NDF: 14.9/21

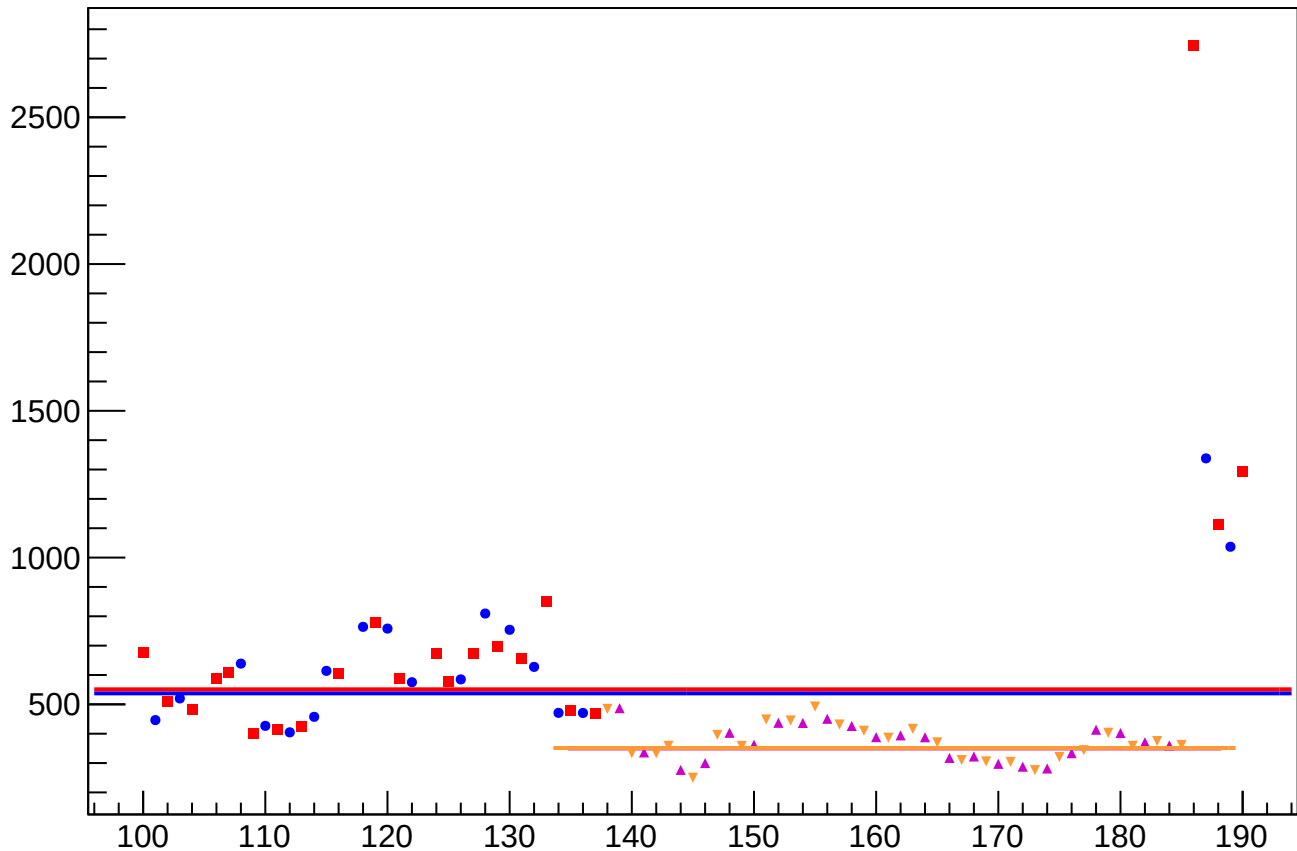
Left In: -66.637 $\pm$ 83.082 χ^2 /NDF: 22.9/22

+ sign -379.359 $\pm$ 75.091 χ^2 /NDF: 83.6/42

All: -250.673 $\pm$ 53.529 χ^2 /NDF: 129.8/87

- sign -117.715 $\pm$ 76.327 χ^2 /NDF: 40.2/44

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 537.404 $\pm$ 0.140 χ^2 /NDF: 1042454.6/17

Left Out: 351.264 $\pm$ 0.057 χ^2 /NDF:1118247.7/24

Right Out: 551.177 $\pm$ 0.137 χ^2 /NDF: 1937099.4/21

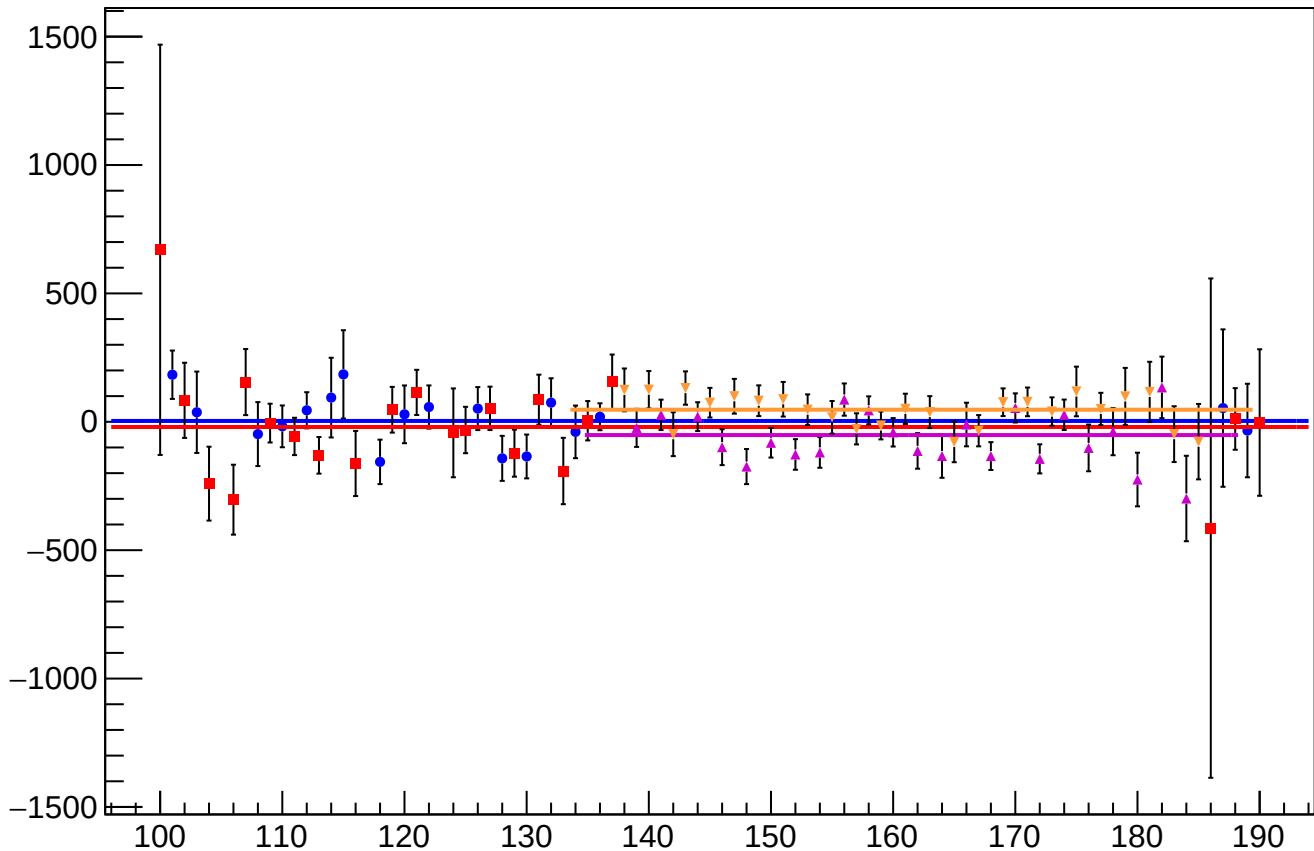
Left In: 349.813 $\pm$ 0.059 χ^2 /NDF:990366.6/22

+ sign 377.962 $\pm$ 0.053 χ^2 /NDF: 3670561.1/42

All: 379.568 $\pm$ 0.038 χ^2 /NDF: 8432691.1/87

- sign 381.226 $\pm$ 0.054 χ^2 /NDF: 4760271.1/44

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.298 ± 22.252 χ^2/NDF : 16.2/17

Left Out: 47.151 ± 13.511 χ^2/NDF : 17.0/24

Right Out: -20.228 ± 22.295 χ^2/NDF : 24.7/21

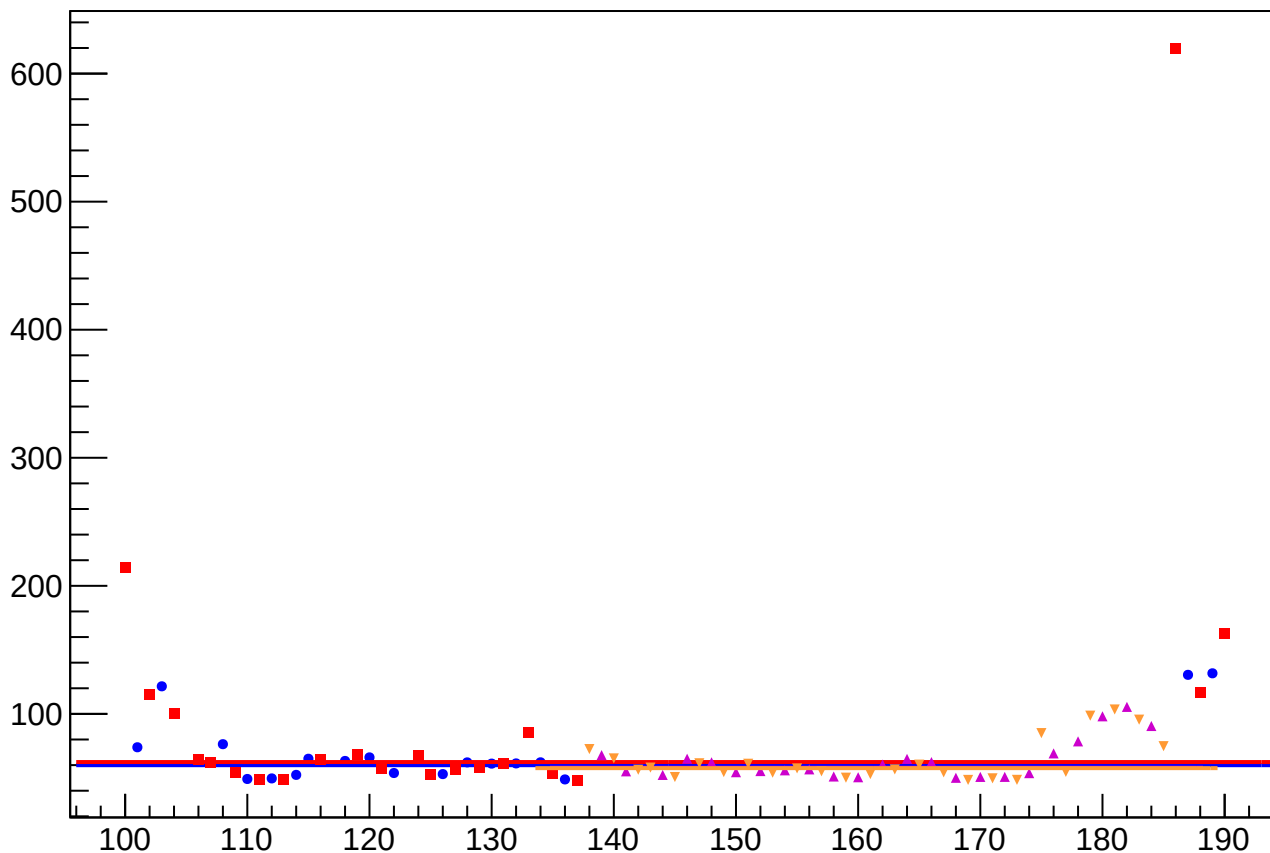
Left In: -51.651 ± 13.934 χ^2/NDF : 38.2/22

+ sign 35.338 ± 11.549 χ^2/NDF : 36.1/42

All: -2.851 ± 8.259 χ^2/NDF : 122.7/87

- sign -42.825 ± 11.816 χ^2/NDF : 64.3/44

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 59.939+/-0.016 χ^2/NDF : 1008132.3/17

Left Out: 57.631+/-0.010 χ^2/NDF : 1365443.1/24

Right Out: 62.395+/-0.016 χ^2/NDF : 2135801.8/21

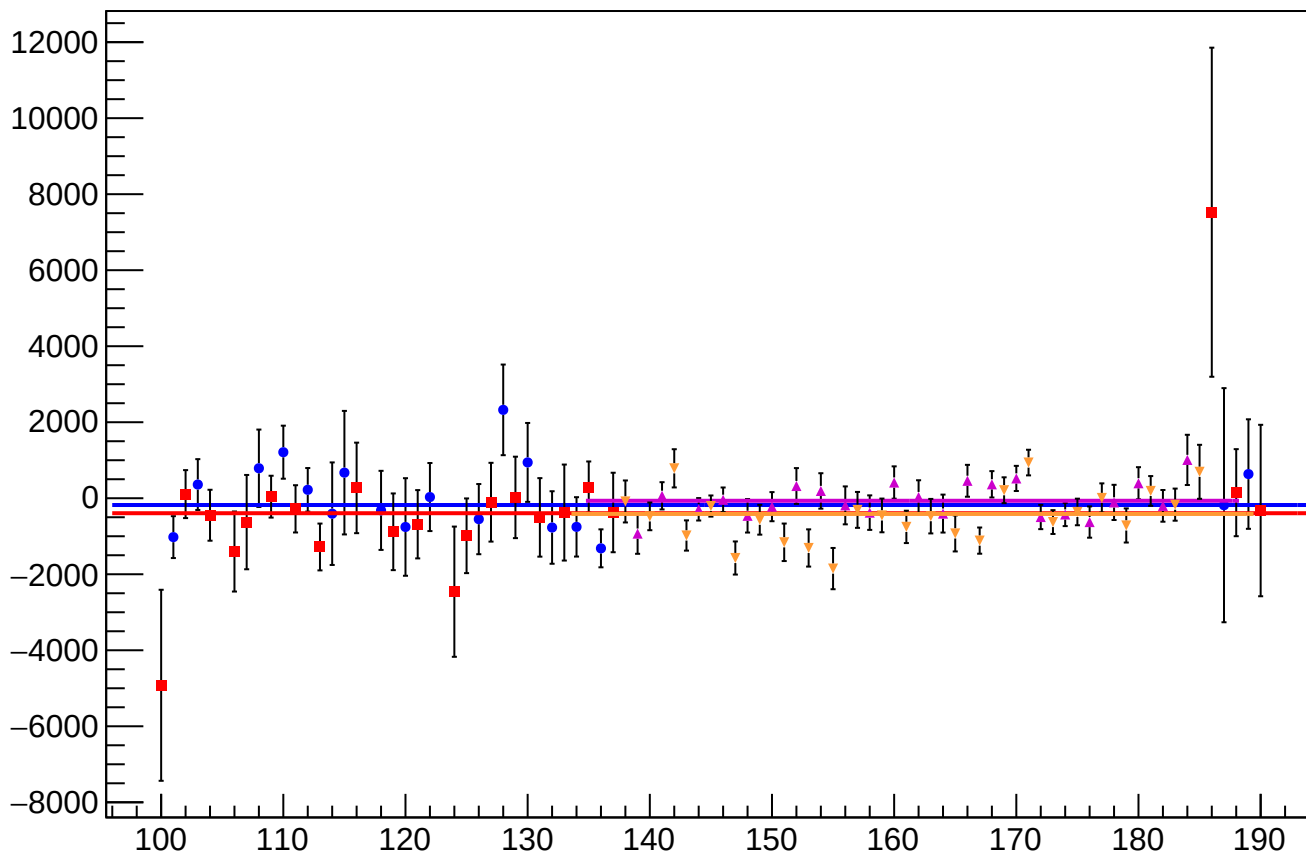
Left In: 57.940+/-0.010 χ^2/NDF : 1124509.8/22

+ sign 58.253+/-0.008 χ^2/NDF : 2389291.6/42

All: 58.711+/-0.006 χ^2/NDF : 5713470.6/87

- sign 59.191+/-0.008 χ^2/NDF : 3317723.5/44

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -178.135+/-198.275 χ^2/NDF : 21.1/17

Left Out: -413.053+/-81.134 χ^2/NDF : 61.3/24

Right Out: -394.053+/-193.245 χ^2/NDF : 14.9/21

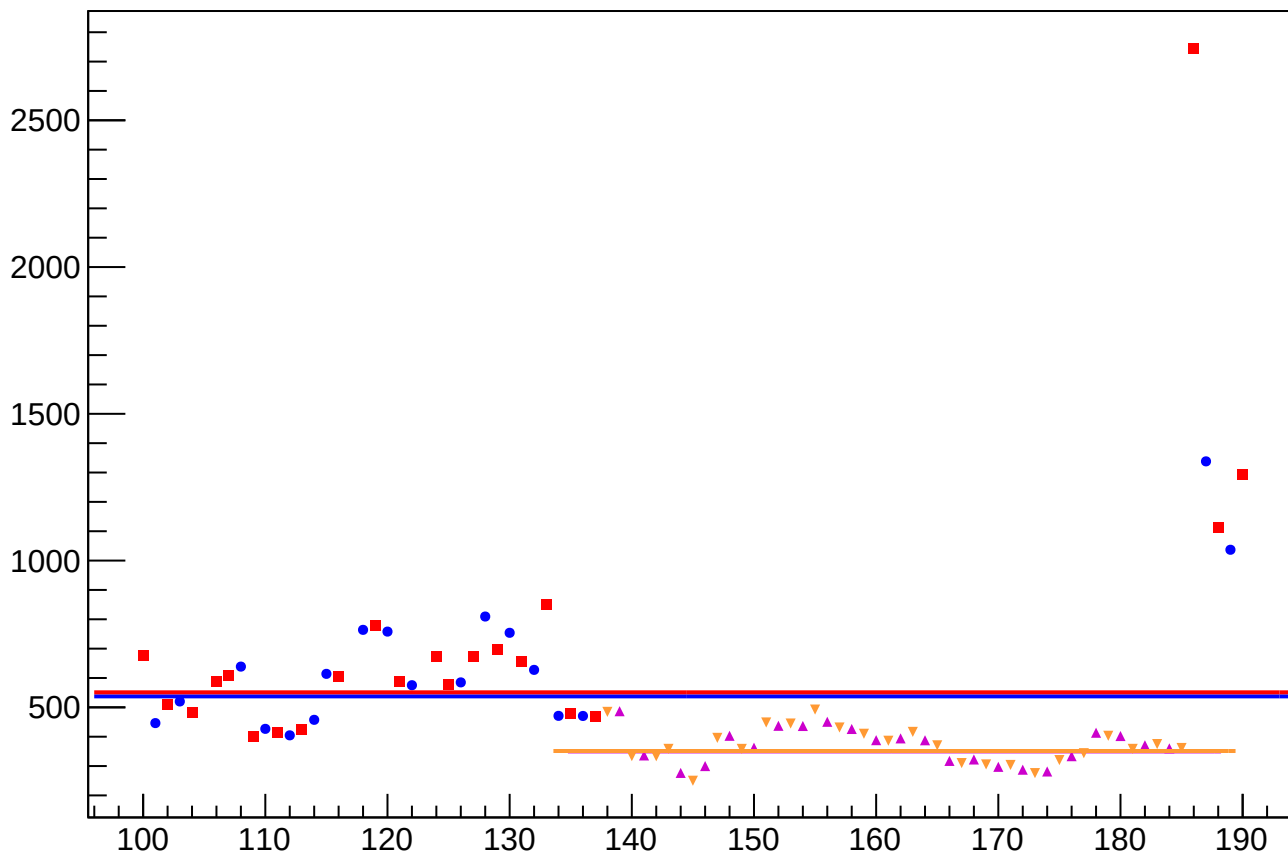
Left In: -66.637+/-83.082 χ^2/NDF : 22.9/22

+ sign -379.359+/-75.091 χ^2/NDF : 83.6/42

All: -250.672+/-53.529 χ^2/NDF : 129.8/87

- sign -117.715+/-76.327 χ^2/NDF : 40.2/44

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 537.403 $\pm$ 0.140 χ^2 /NDF: 1042460.6/17

Left Out: 351.264 $\pm$ 0.057 χ^2 /NDF:1118243.1/24

Right Out: 551.176 $\pm$ 0.137 χ^2 /NDF: 1937101.4/21

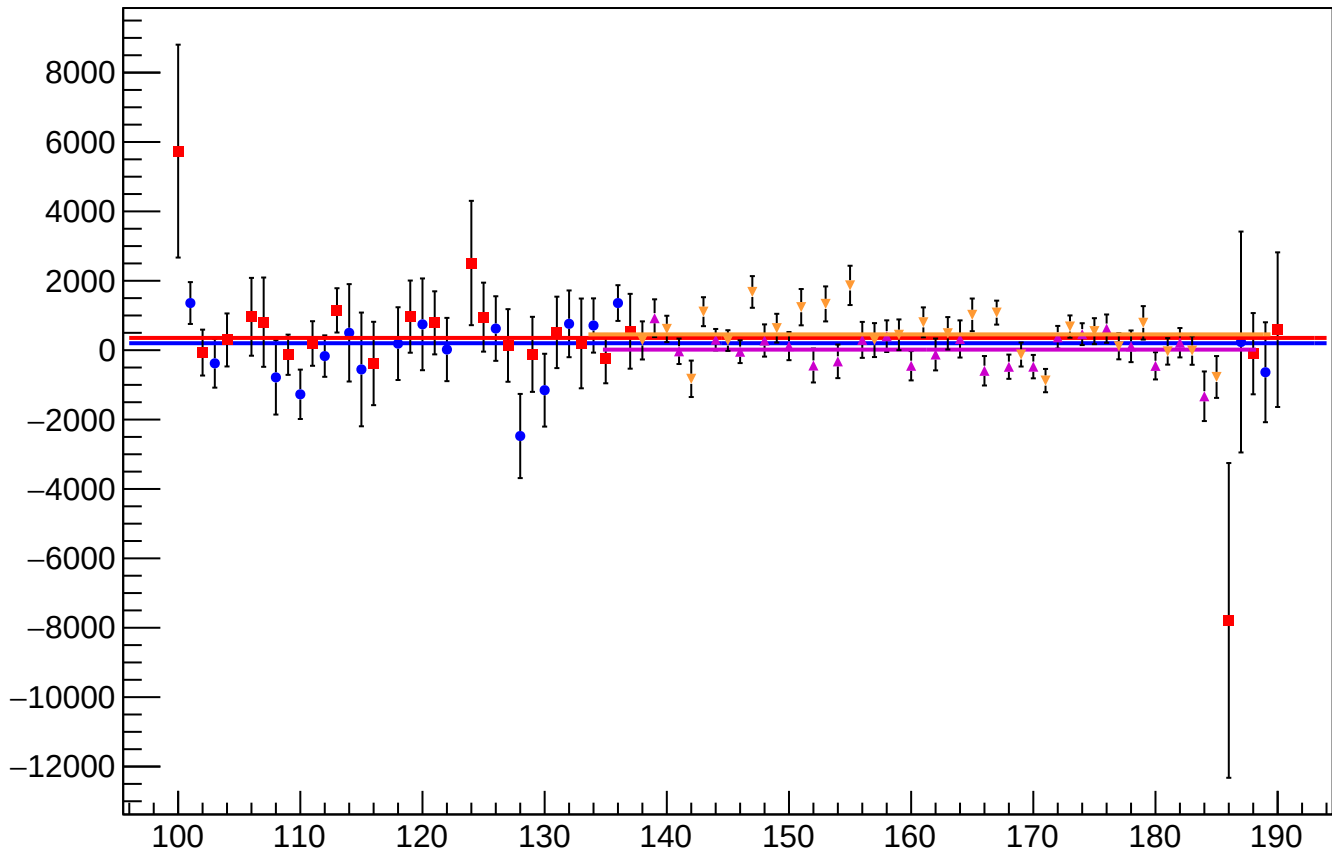
Left In: 349.813 $\pm$ 0.059 χ^2 /NDF:990359.9/22

+ sign 377.962 $\pm$ 0.053 χ^2 /NDF: 3670555.0/42

All: 379.567 $\pm$ 0.038 χ^2 /NDF: 8432670.3/87

- sign 381.226 $\pm$ 0.054 χ^2 /NDF: 4760256.2/44

asym_sam_1357_avg_mean vs Slug



Right In: 200.541 $\pm$ 204.945 χ^2 /NDF: 23.2/17

Left Out: 455.234 $\pm$ 82.961 χ^2 /NDF:60.8/24

Right Out: 353.128 $\pm$ 201.458 χ^2 /NDF: 13.4/21

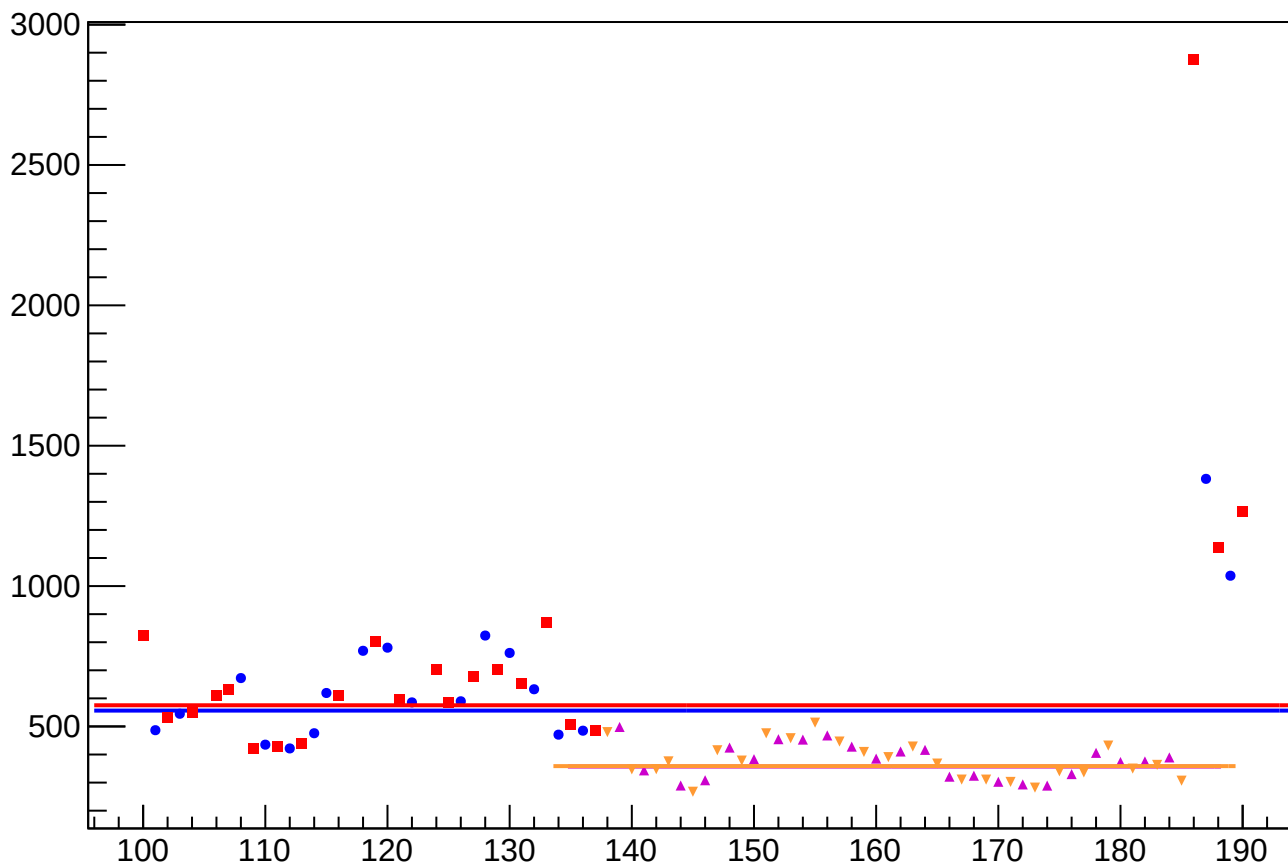
Left In: 16.073 $\pm$ 84.830 χ^2 /NDF:24.9/22

+ sign 419.376 $\pm$ 76.899 χ^2 /NDF: 85.4/42

All: 246.022 $\pm$ 54.824 χ^2 /NDF: 136.4/87

- sign 66.836 $\pm$ 78.182 χ^2 /NDF: 40.6/44

asym_sam_1357_avg_rms vs Slug



Right In: 556.478+/-0.145 χ^2/NDF : 970764.7/17

Left Out: 358.677+/-0.059 χ^2/NDF : 1119535.1/24

Right Out: 575.423+/-0.142 χ^2/NDF : 1835888.1/21

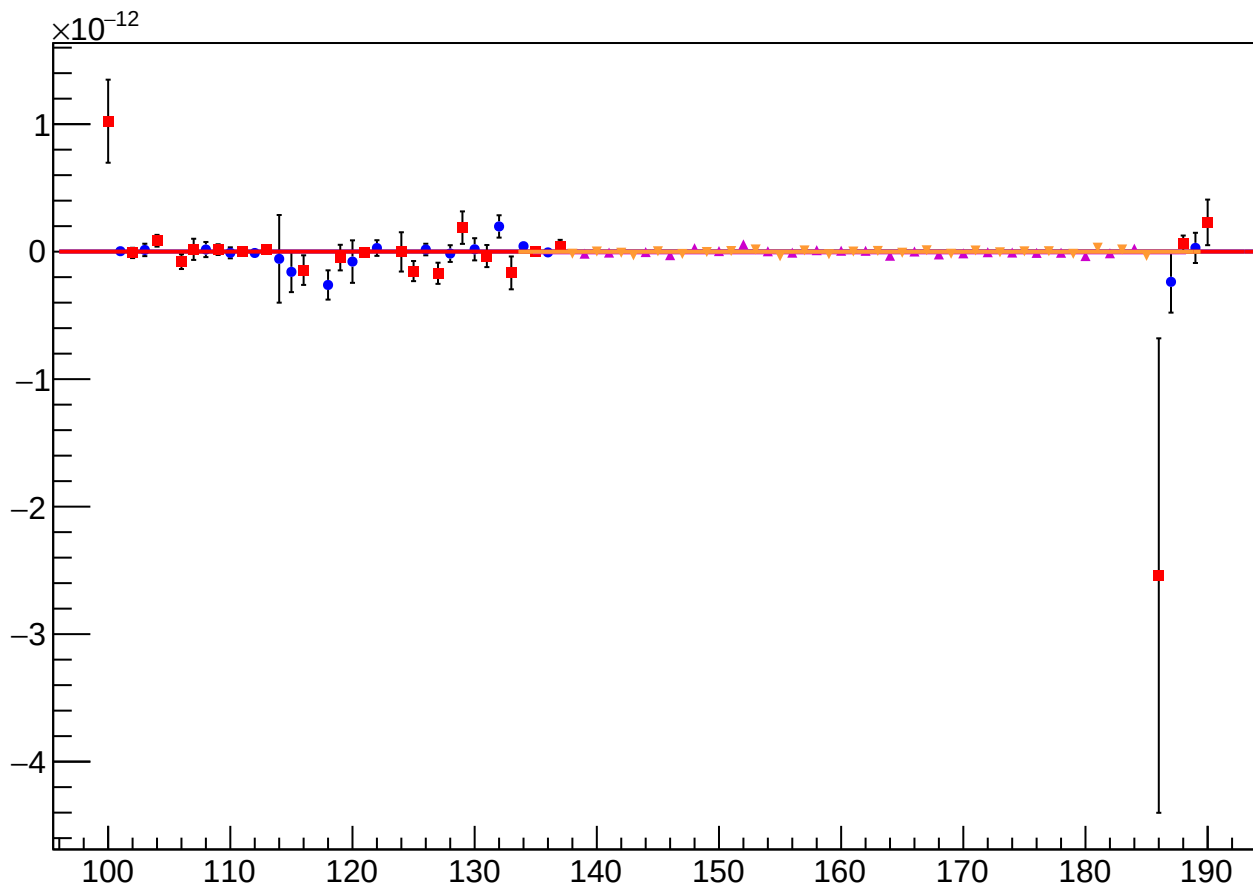
Left In: 357.182+/-0.060 χ^2/NDF : 981641.8/22

+ sign 386.525+/-0.054 χ^2/NDF : 3691007.8/42

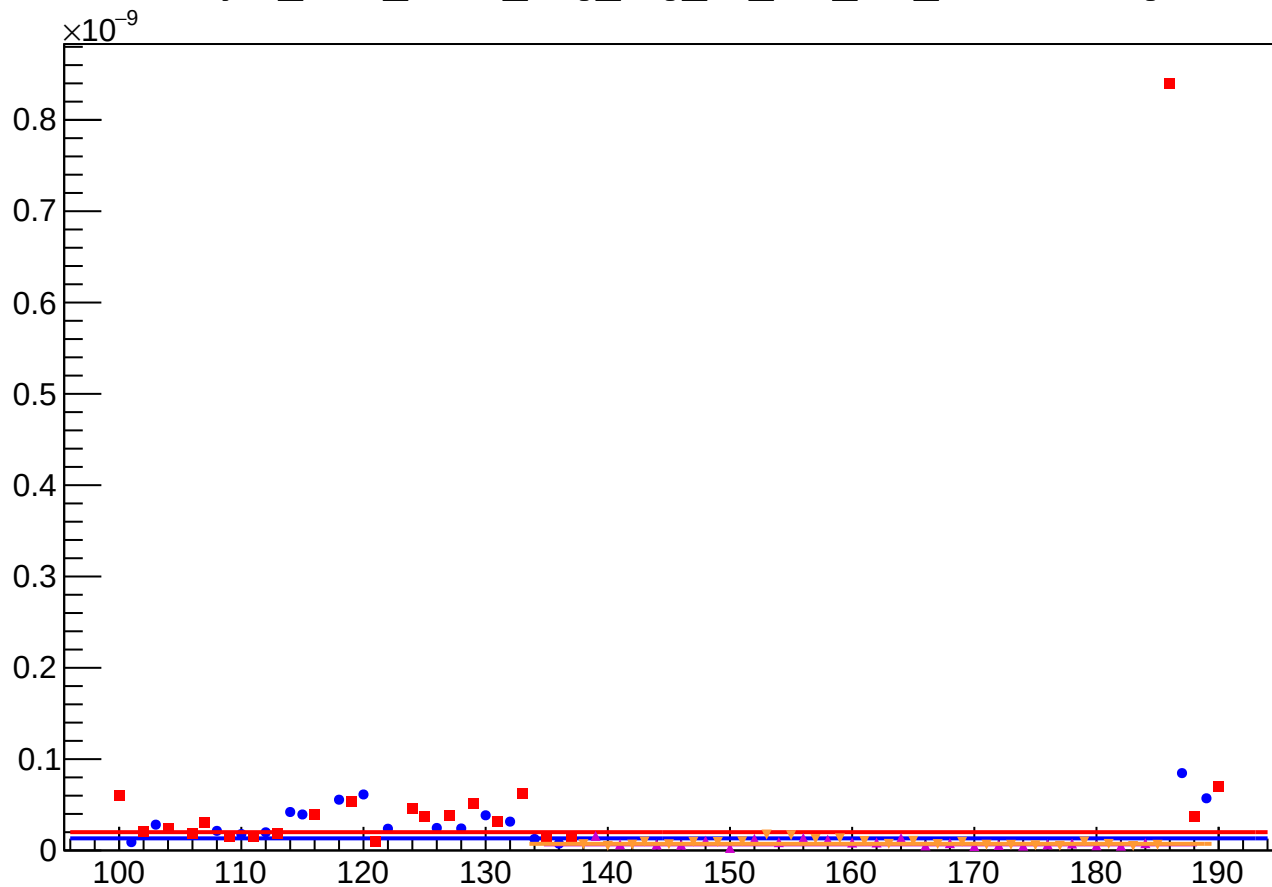
All: 388.259+/-0.039 χ^2/NDF : 8504225.0/87

- sign 390.051+/-0.055 χ^2/NDF : 4811149.7/44

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2209584.8/17

Left Out: 0.000+/-0.000 χ^2/NDF :1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2050103.3/21

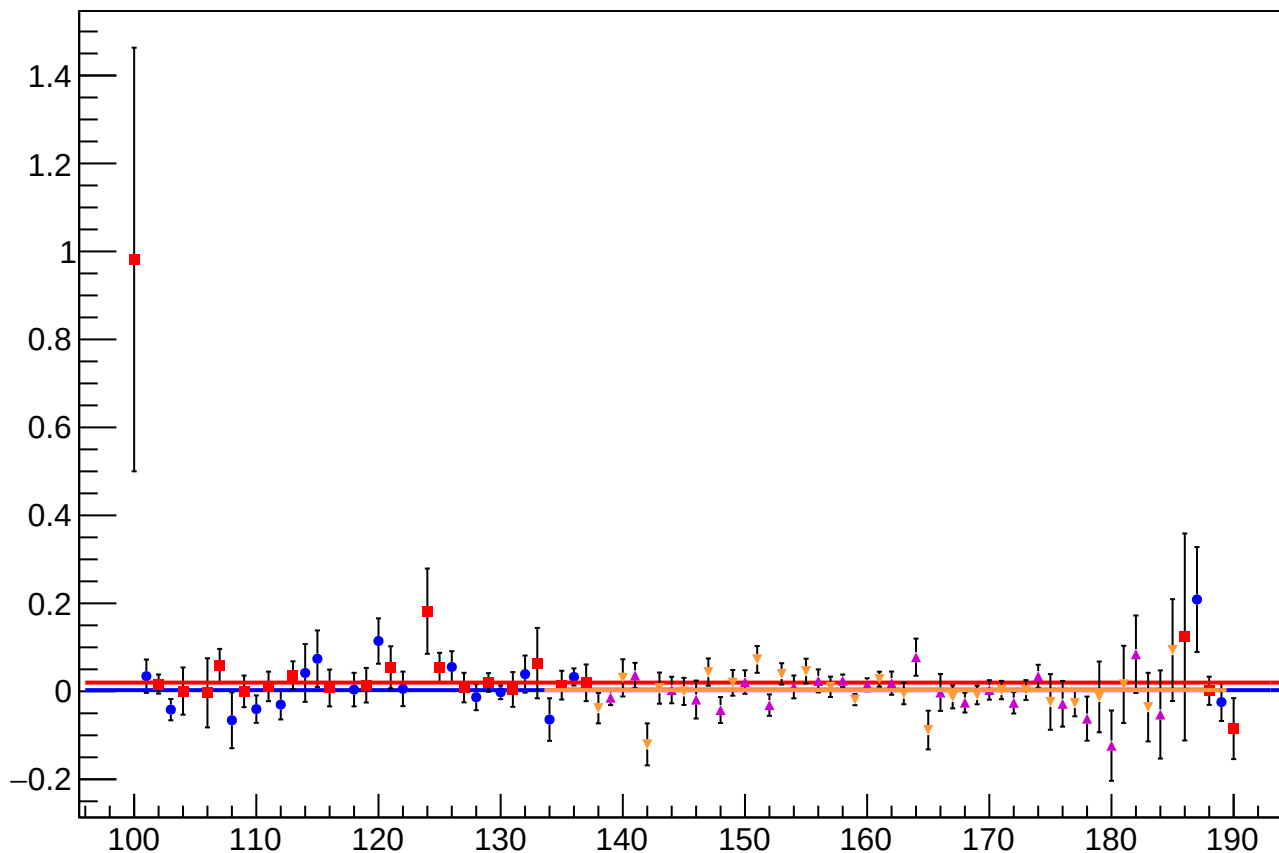
Left In: 0.000+/-0.000 χ^2/NDF :1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF : 4445745.2/42

All: 0.000+/-0.000 χ^2/NDF : 10655492.2/87

- sign 0.000+/-0.000 χ^2/NDF : 6185303.2/44

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 25.3/17

Left Out: 0.003 $\pm$ 0.005 χ^2 /NDF:32.8/24

Right Out: 0.020 $\pm$ 0.008 χ^2 /NDF: 13.7/21

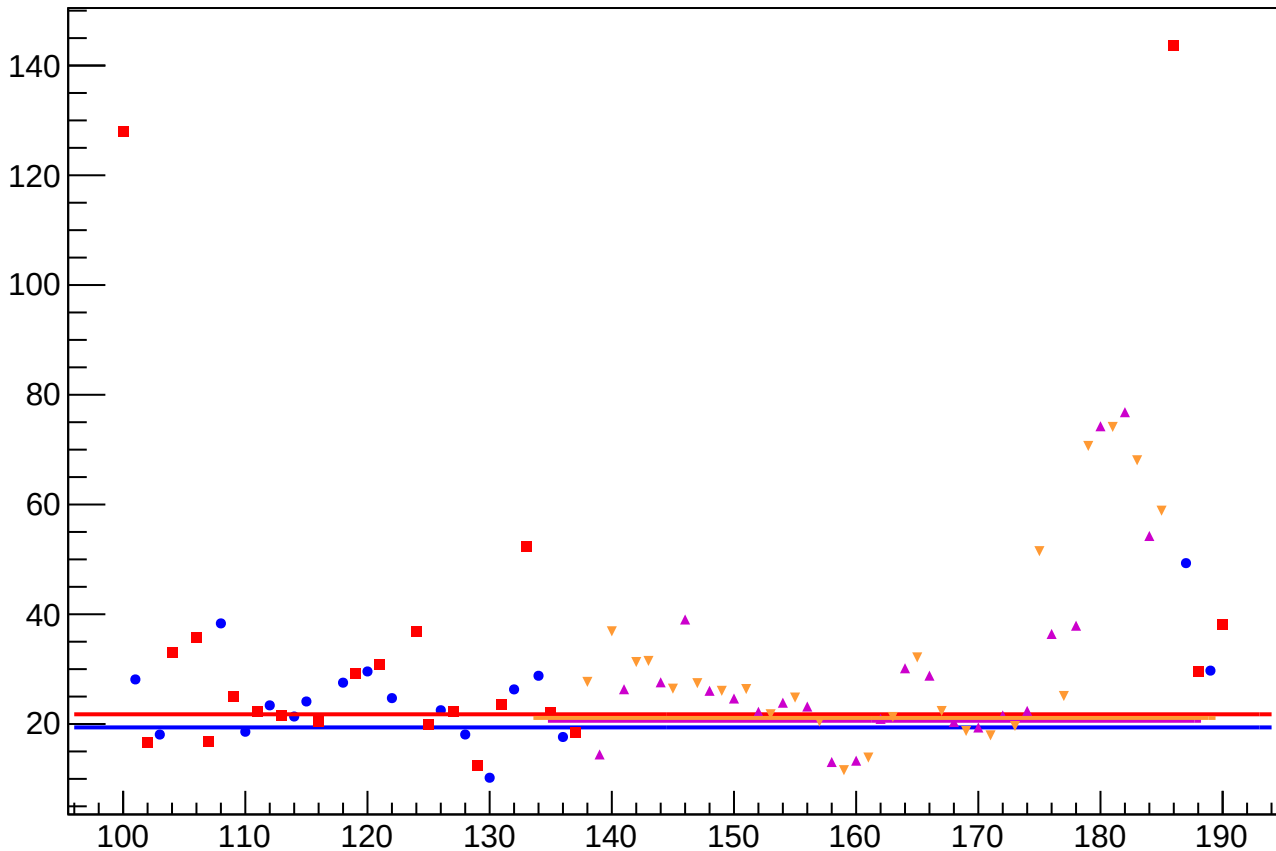
Left In: 0.004 $\pm$ 0.005 χ^2 /NDF:24.6/22

+ sign 0.003 $\pm$ 0.004 χ^2 /NDF: 58.1/42

All: 0.006 $\pm$ 0.003 χ^2 /NDF: 100.0/87

- sign 0.009 $\pm$ 0.005 χ^2 /NDF: 40.9/44

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 19.381 $\pm$ 0.005 χ^2/NDF : 1639692.8/17

Left Out: 21.109 $\pm$ 0.004 χ^2/NDF : 5546528.5/24

Right Out: 21.770 $\pm$ 0.006 χ^2/NDF : 2083215.1/21

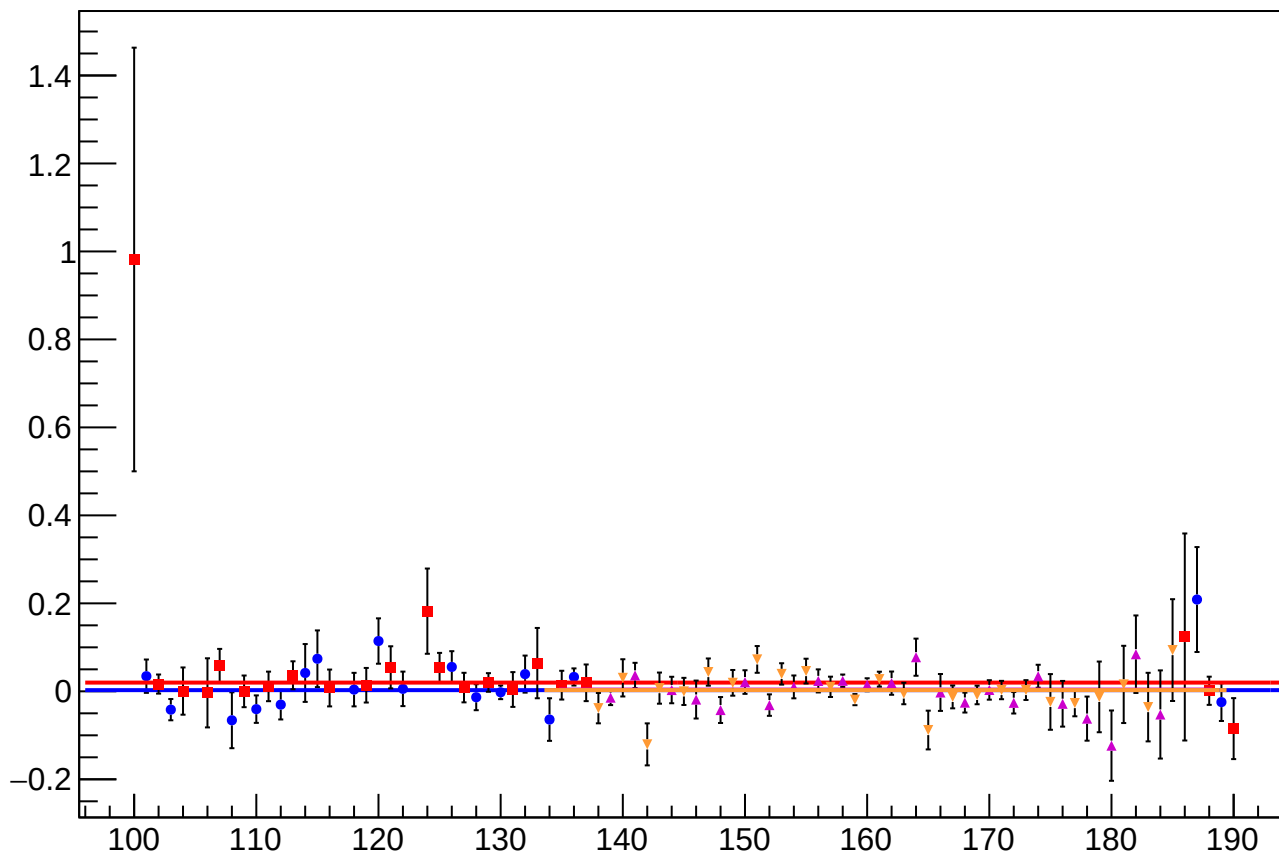
Left In: 20.591 $\pm$ 0.004 χ^2/NDF : 4599493.5/22

+ sign 20.528 $\pm$ 0.003 χ^2/NDF : 7253692.8/42

All: 20.739 $\pm$ 0.002 χ^2/NDF : 13974737.4/87

- sign 20.957 $\pm$ 0.003 χ^2/NDF : 6711874.2/44

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 25.3/17

Left Out: 0.003 $\pm$ 0.005 χ^2 /NDF:32.8/24

Right Out: 0.020 $\pm$ 0.008 χ^2 /NDF: 13.7/21

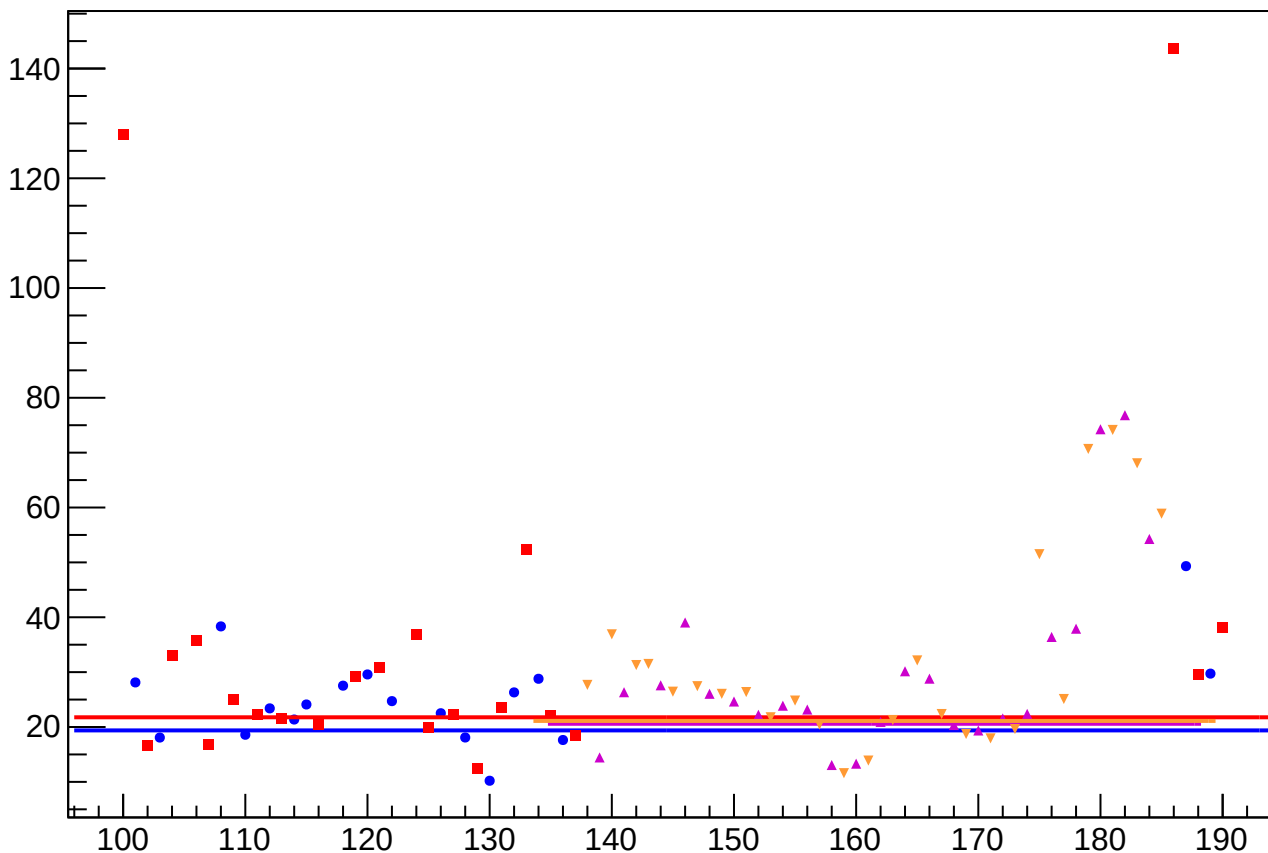
Left In: 0.004 $\pm$ 0.005 χ^2 /NDF:24.6/22

+ sign 0.003 $\pm$ 0.004 χ^2 /NDF: 58.1/42

All: 0.006 $\pm$ 0.003 χ^2 /NDF: 100.0/87

- sign 0.009 $\pm$ 0.005 χ^2 /NDF: 40.9/44

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.381 ± 0.005 χ^2/NDF : 1639692.8/17

Left Out: 21.109 ± 0.004 χ^2/NDF : 5546528.5/24

Right Out: 21.770 ± 0.006 χ^2/NDF : 2083215.1/21

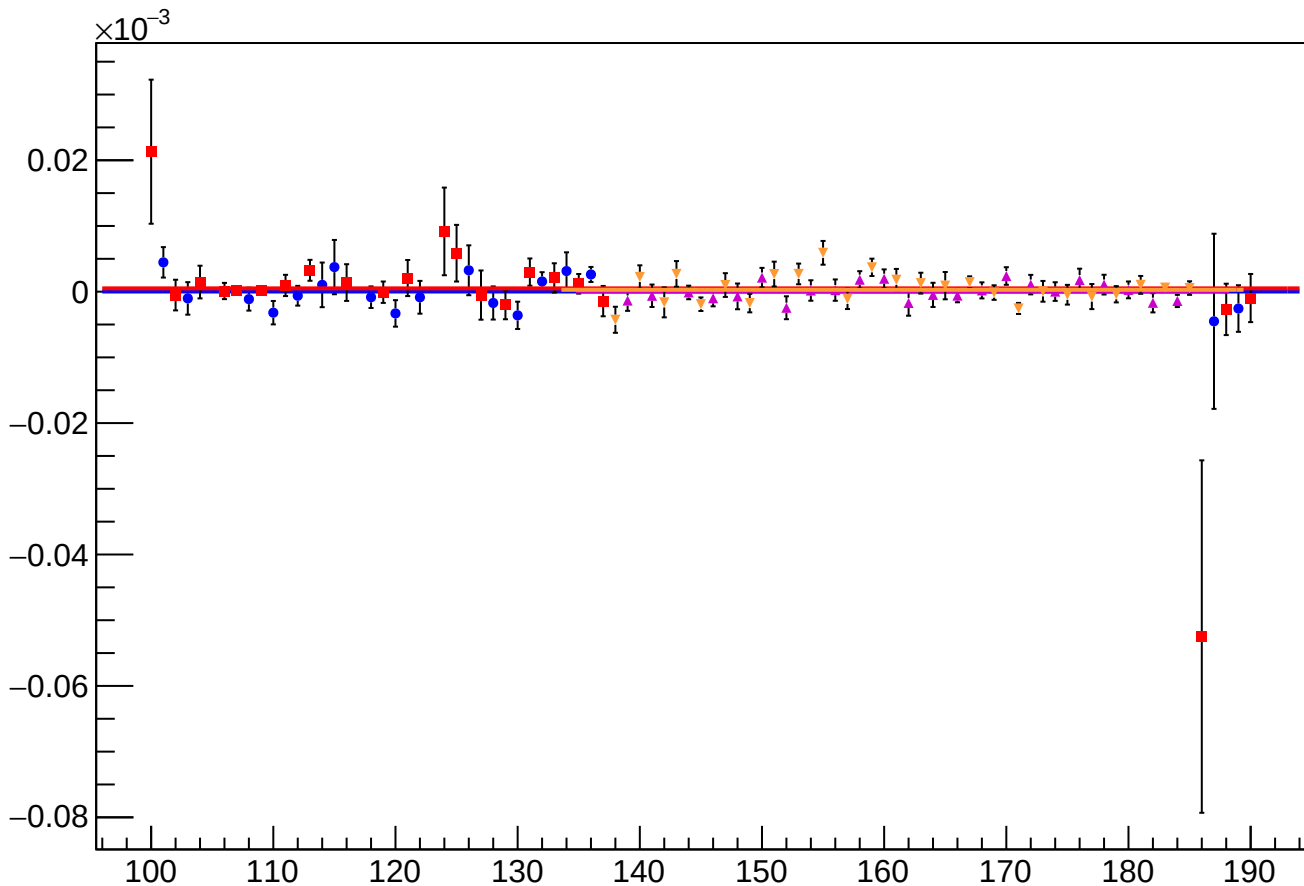
Left In: 20.591 ± 0.004 χ^2/NDF : 4599493.5/22

+ sign 20.528 ± 0.003 χ^2/NDF : 7253692.8/42

All: 20.739 ± 0.002 χ^2/NDF : 13974737.4/87

- sign 20.957 ± 0.003 χ^2/NDF : 6711874.2/44

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 24.2/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:52.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 20.4/21

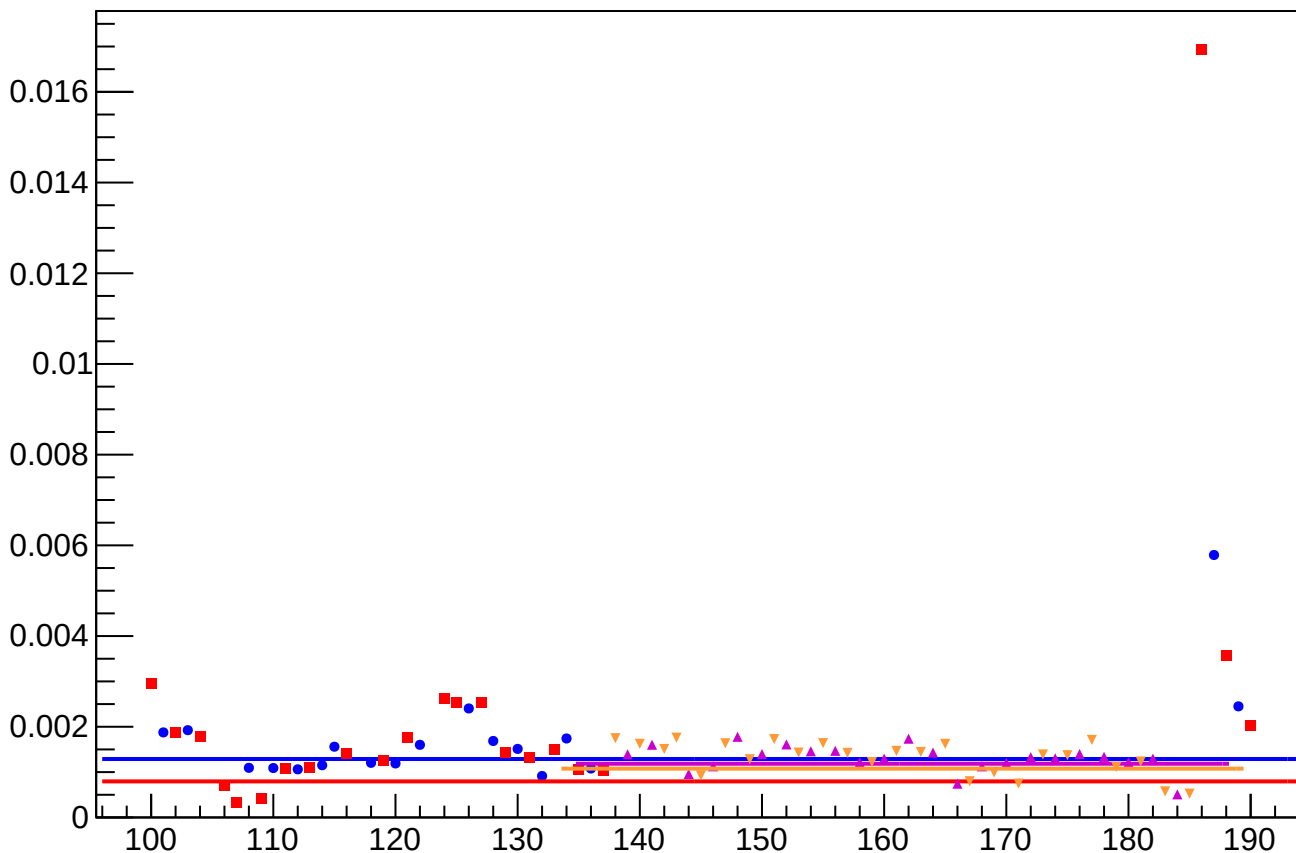
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:19.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 77.0/42

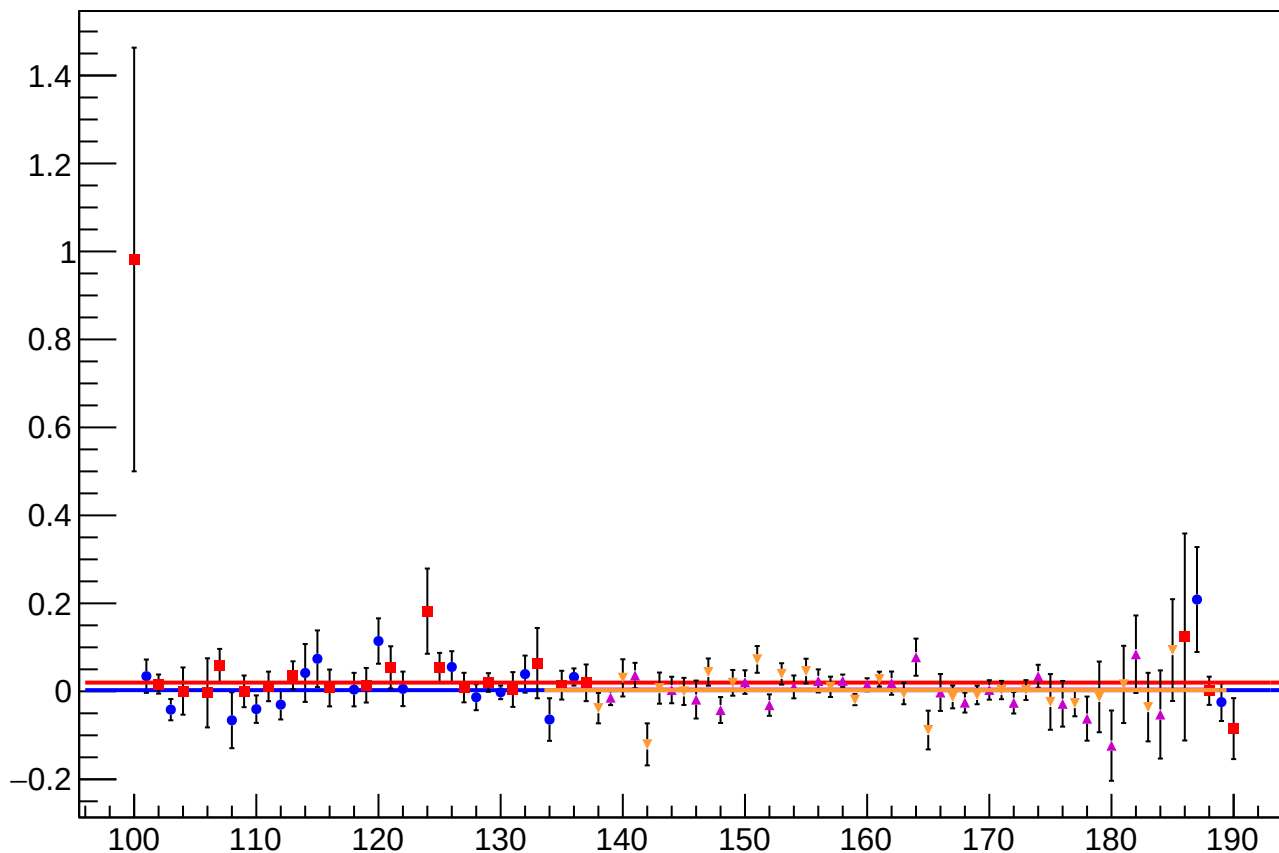
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 118.4/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 41.3/44

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 25.3/17

Left Out: 0.003 $\pm$ 0.005 χ^2 /NDF: 32.8/24

Right Out: 0.020 $\pm$ 0.008 χ^2 /NDF: 13.7/21

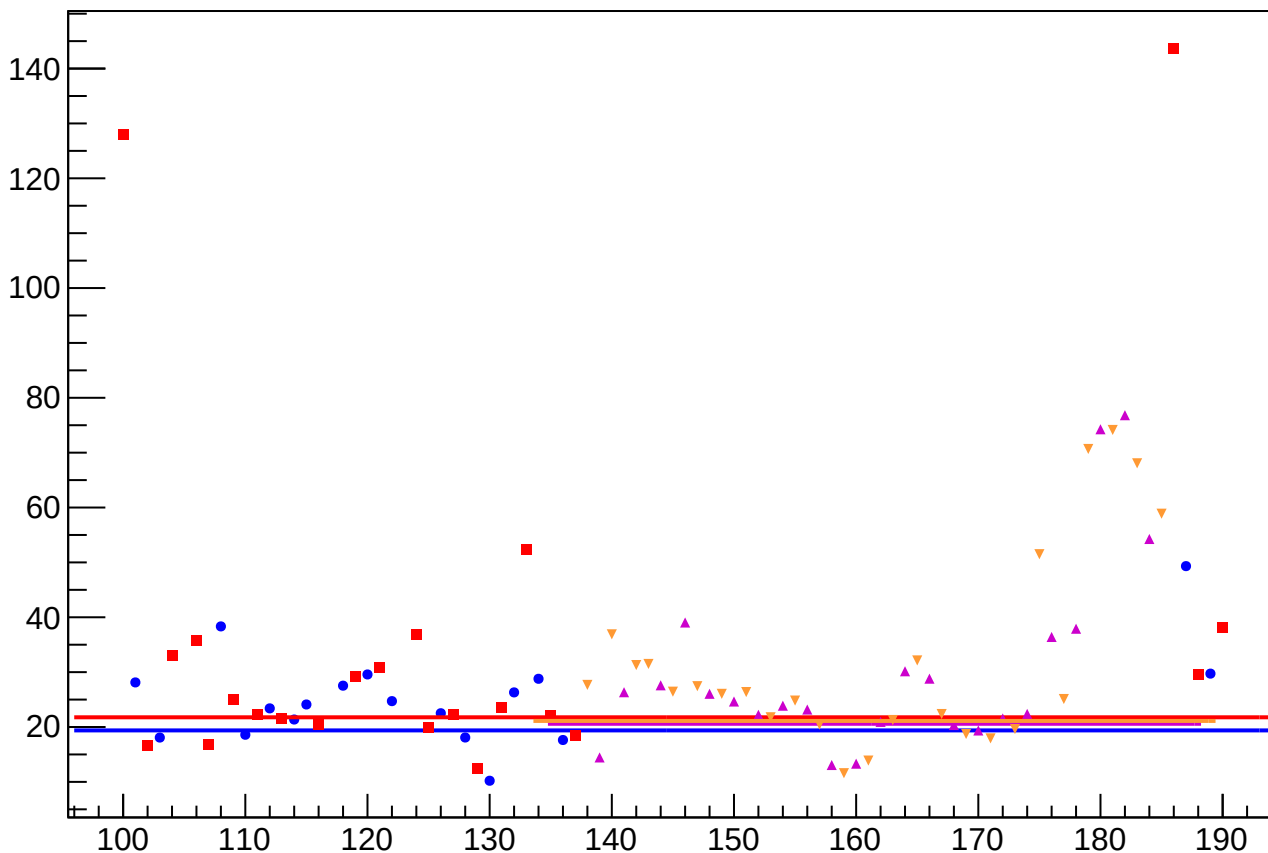
Left In: 0.004 $\pm$ 0.005 χ^2 /NDF: 24.6/22

+ sign 0.003 $\pm$ 0.004 χ^2 /NDF: 58.1/42

All: 0.006 $\pm$ 0.003 χ^2 /NDF: 100.0/87

- sign 0.009 $\pm$ 0.005 χ^2 /NDF: 40.9/44

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 19.382 $\pm$ 0.005 χ^2 /NDF: 1639573.5/17

Left Out: 21.109 $\pm$ 0.004 χ^2 /NDF: 5546663.4/24

Right Out: 21.771 $\pm$ 0.006 χ^2 /NDF: 2083201.0/21

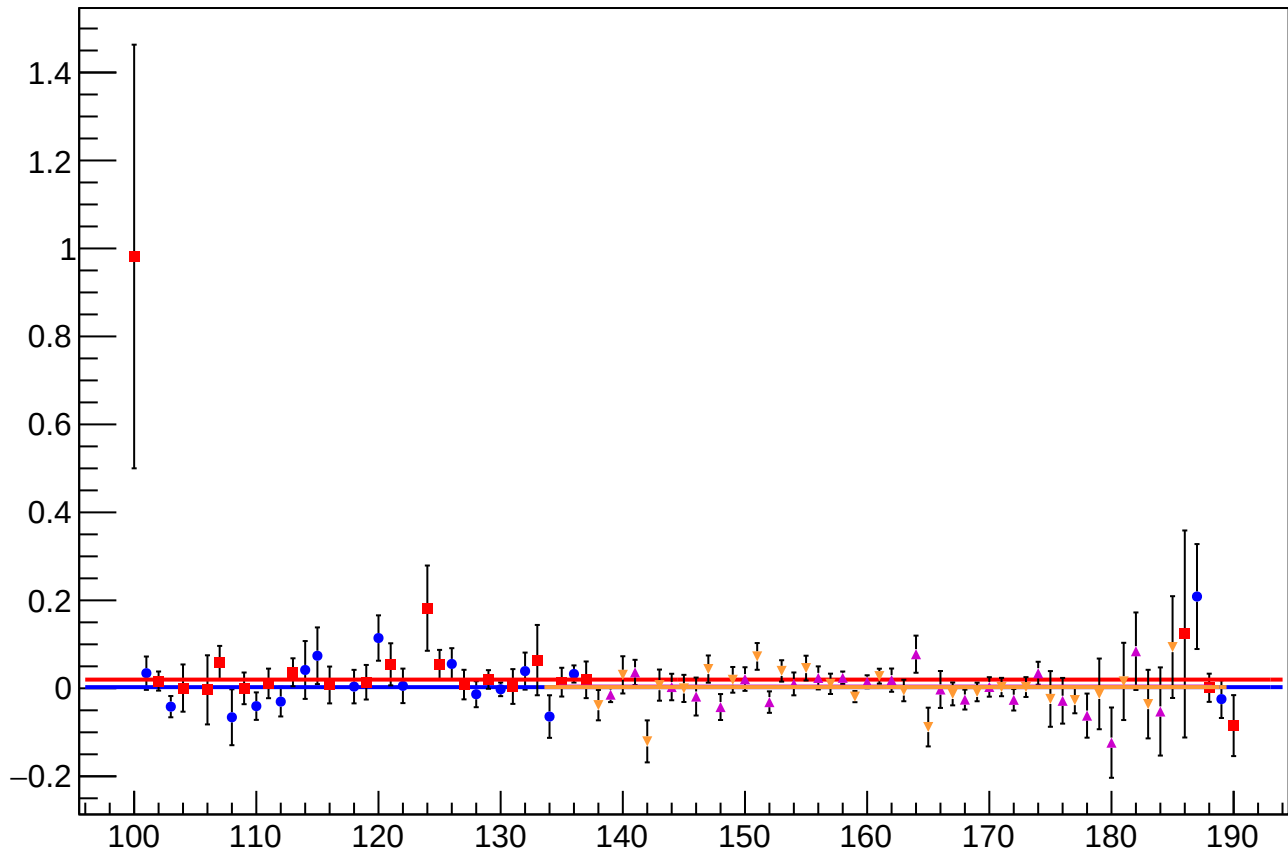
Left In: 20.592 $\pm$ 0.004 χ^2 /NDF: 4599496.2/22

+ sign 20.528 $\pm$ 0.003 χ^2 /NDF: 7253678.9/42

All: 20.739 $\pm$ 0.002 χ^2 /NDF: 13974712.0/87

- sign 20.957 $\pm$ 0.003 χ^2 /NDF: 6711861.3/44

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003 $\pm$ 0.008 χ^2 /NDF: 25.3/17

Left Out: 0.003 $\pm$ 0.005 χ^2 /NDF:32.8/24

Right Out: 0.020 $\pm$ 0.008 χ^2 /NDF: 13.7/21

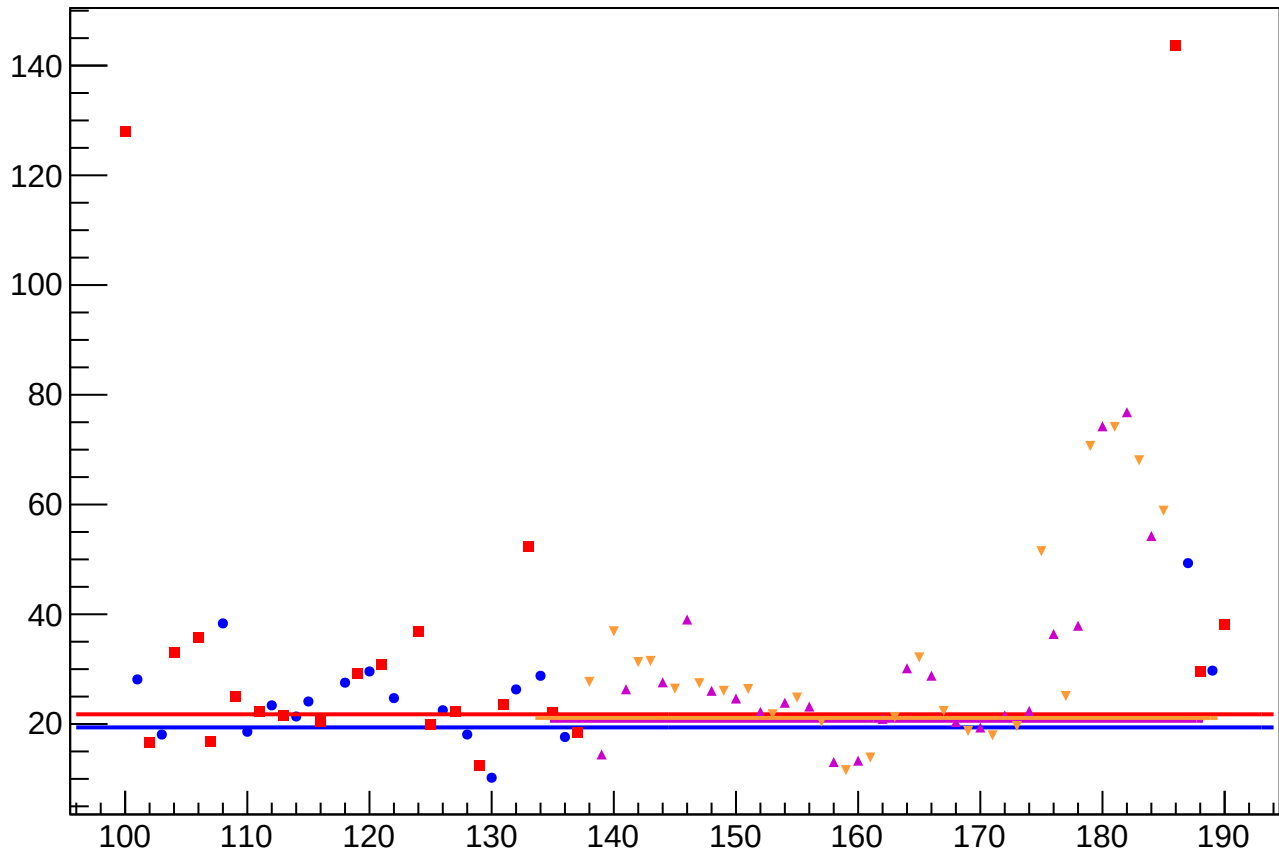
Left In: 0.004 $\pm$ 0.005 χ^2 /NDF:24.6/22

+ sign 0.003 $\pm$ 0.004 χ^2 /NDF: 58.1/42

All: 0.006 $\pm$ 0.003 χ^2 /NDF: 100.0/87

- sign 0.009 $\pm$ 0.005 χ^2 /NDF: 40.9/44

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.382 $\pm$ 0.005 χ^2 /NDF: 1639573.5/17

Left Out: 21.109 $\pm$ 0.004 χ^2 /NDF: 5546663.4/24

Right Out: 21.771 $\pm$ 0.006 χ^2 /NDF: 2083201.0/21

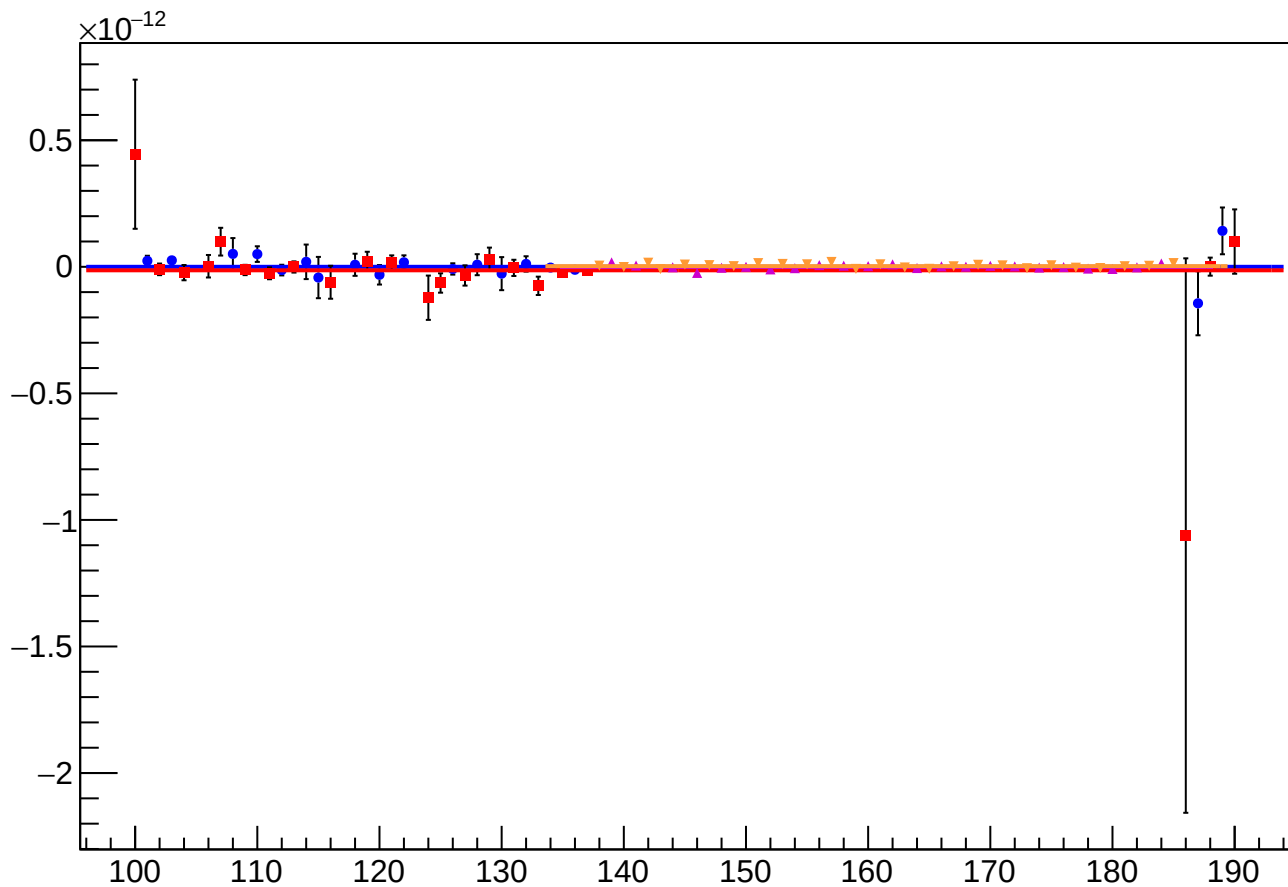
Left In: 20.592 $\pm$ 0.004 χ^2 /NDF: 4599496.2/22

+ sign 20.528 $\pm$ 0.003 χ^2 /NDF: 7253678.9/42

All: 20.739 $\pm$ 0.002 χ^2 /NDF: 13974712.0/87

- sign 20.957 $\pm$ 0.003 χ^2 /NDF: 6711861.3/44

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 14.2/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:20.6/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 19.5/21

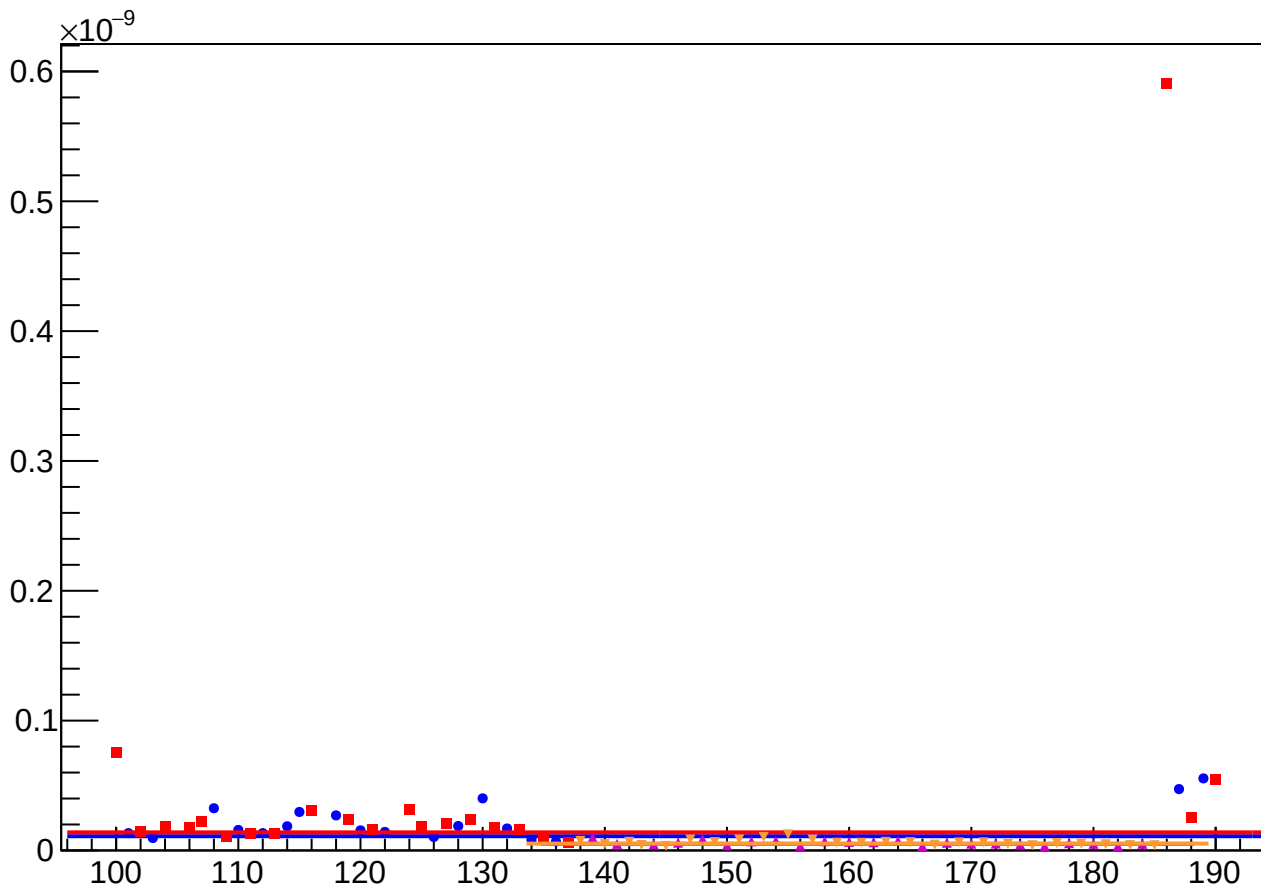
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:21.4/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35.0/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 83.3/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 44.8/44

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2470071.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2053779.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2373143.3/21

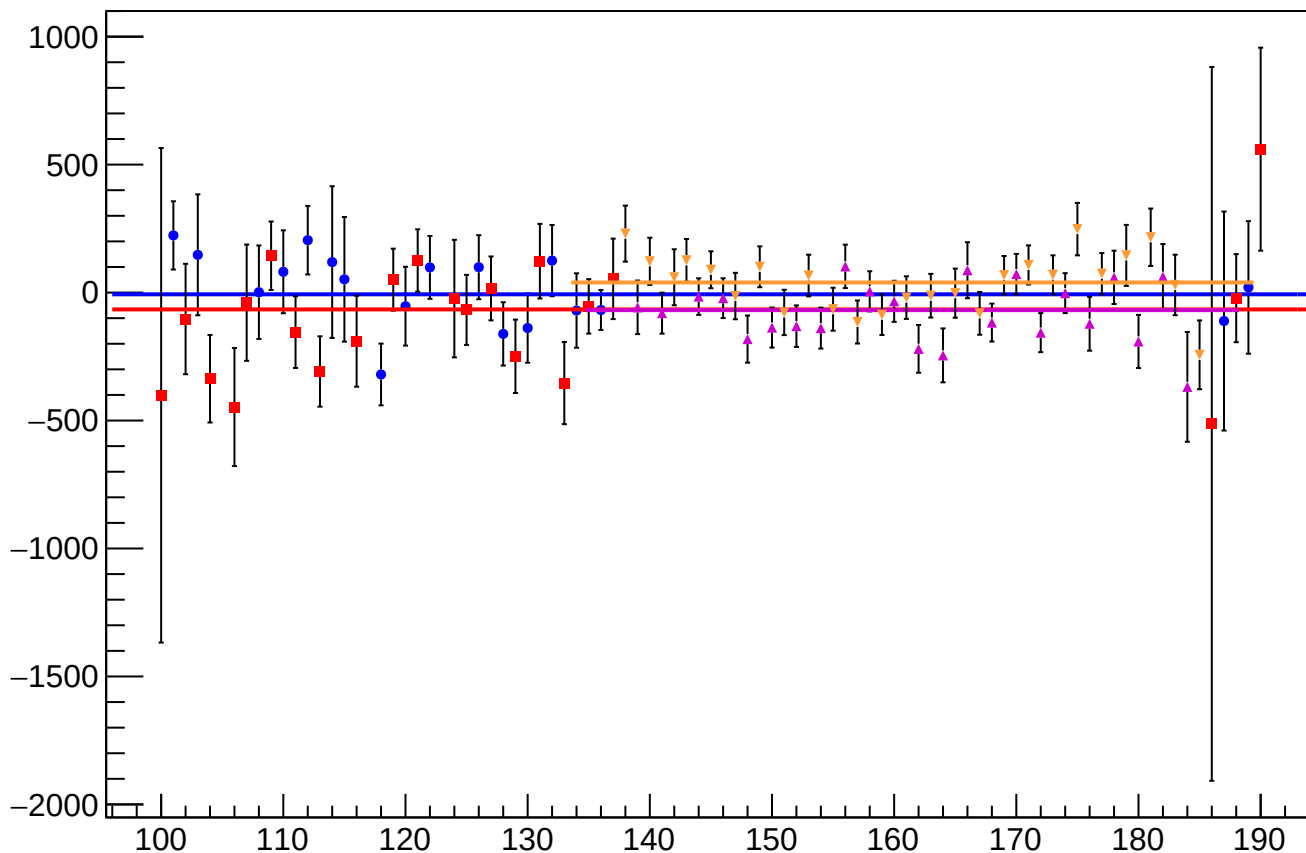
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:1700889.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6452668.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 14132210.5/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7674696.2/44

reg_asym_sam_2468_avg_mean vs Slug



Right In: -6.757 ± 33.883 χ^2/NDF : 19.0/17

Left Out: 39.477 ± 17.666 χ^2/NDF : 31.9/24

Right Out: -65.757 ± 34.052 χ^2/NDF : 25.5/21

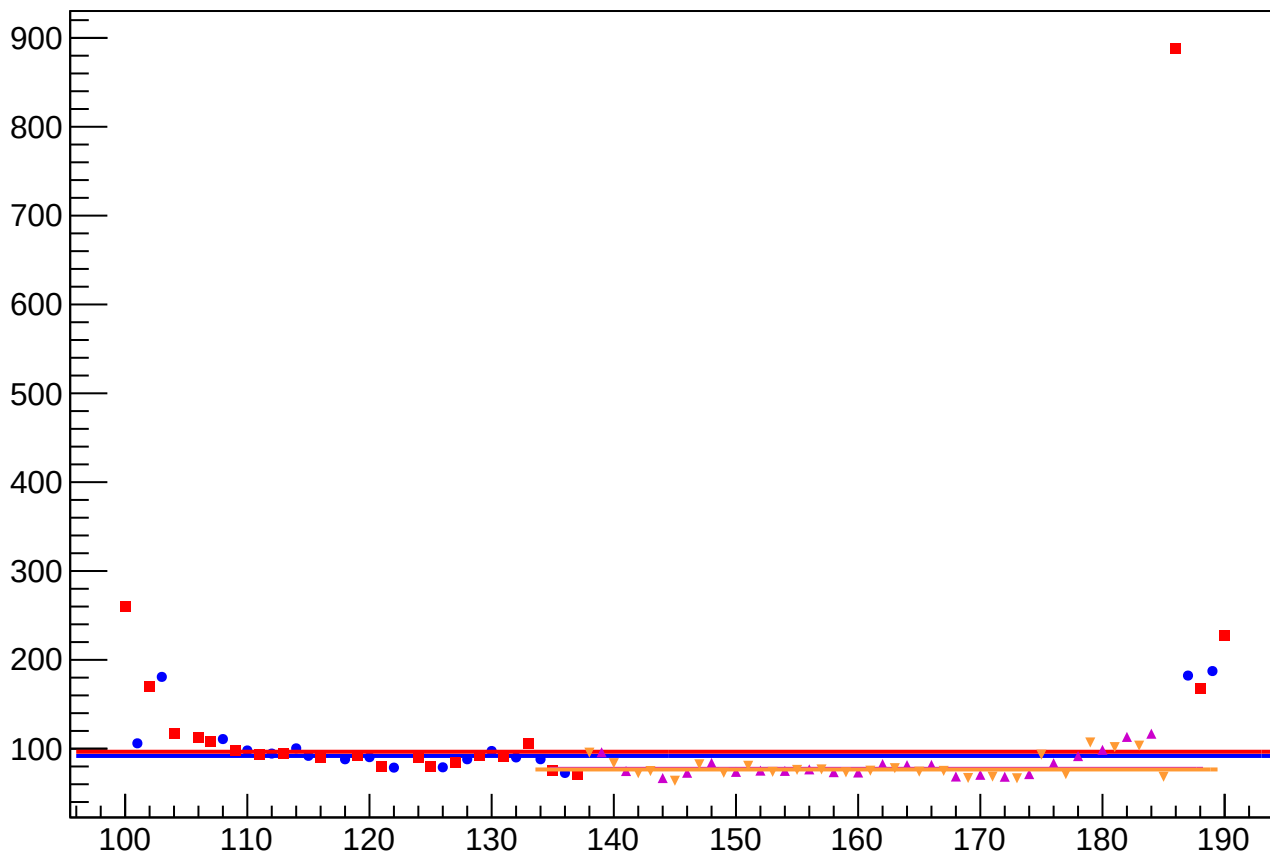
Left In: -68.620 ± 18.317 χ^2/NDF : 29.0/22

+ sign 29.595 ± 15.665 χ^2/NDF : 52.4/42

All: -17.760 ± 11.238 χ^2/NDF : 125.7/87

- sign -67.977 ± 16.131 χ^2/NDF : 54.5/44

reg_asym_sam_2468_avg_rms vs Slug



Right In: 91.859 $\pm$ 0.024 χ^2 /NDF: 868599.2/17

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.6/24

Right Out: 96.592 $\pm$ 0.024 χ^2 /NDF: 1778208.4/21

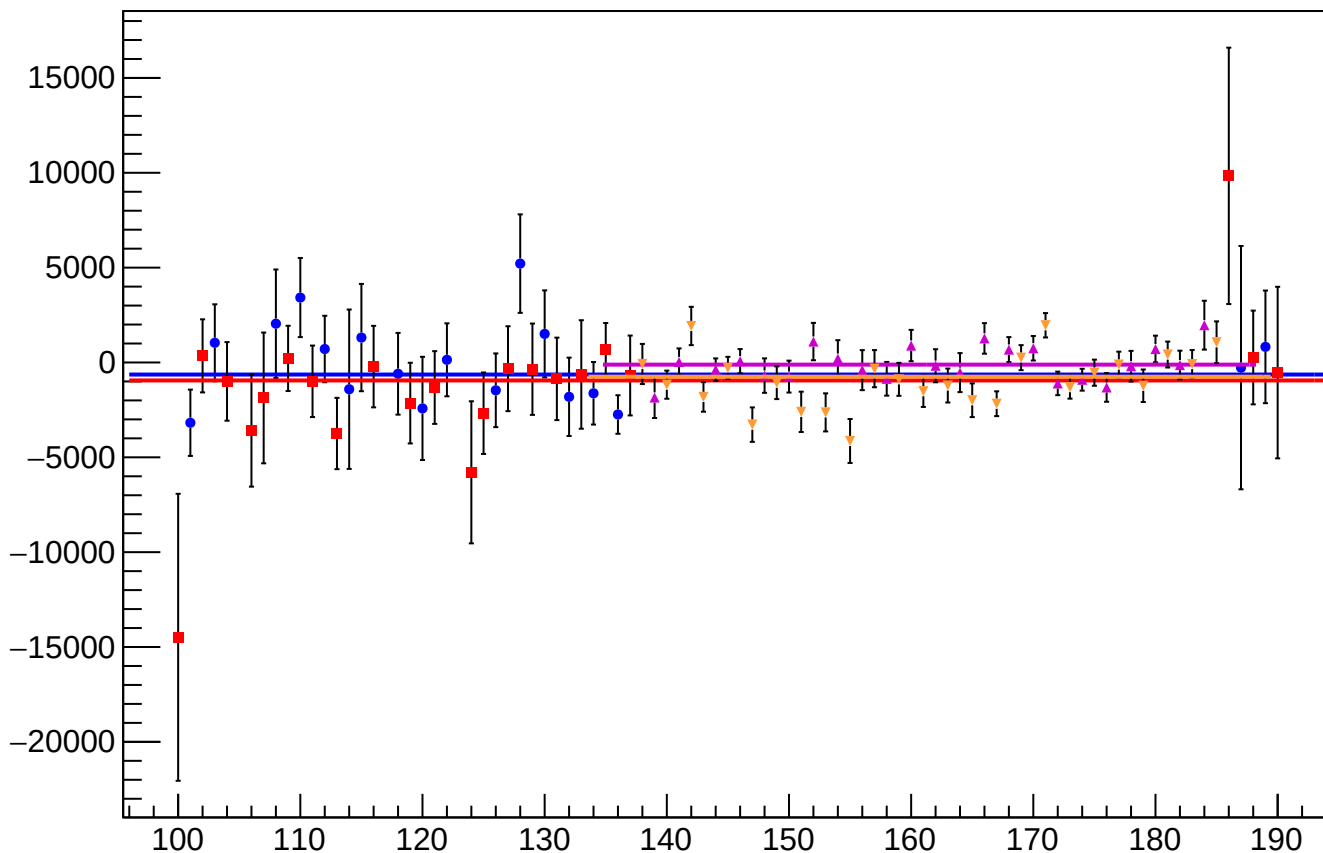
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 79.898 $\pm$ 0.011 χ^2 /NDF: 1840194.0/42

All: 80.757 $\pm$ 0.008 χ^2 /NDF: 4716615.7/87

- sign 81.667 $\pm$ 0.011 χ^2 /NDF: 2864041.3/44

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -636.112+/-478.737 χ^2/NDF : 20.5/17

Left Out: -749.641+/-158.081 χ^2/NDF : 70.0/24

Right Out: -946.765+/-482.603 χ^2/NDF : 14.3/21

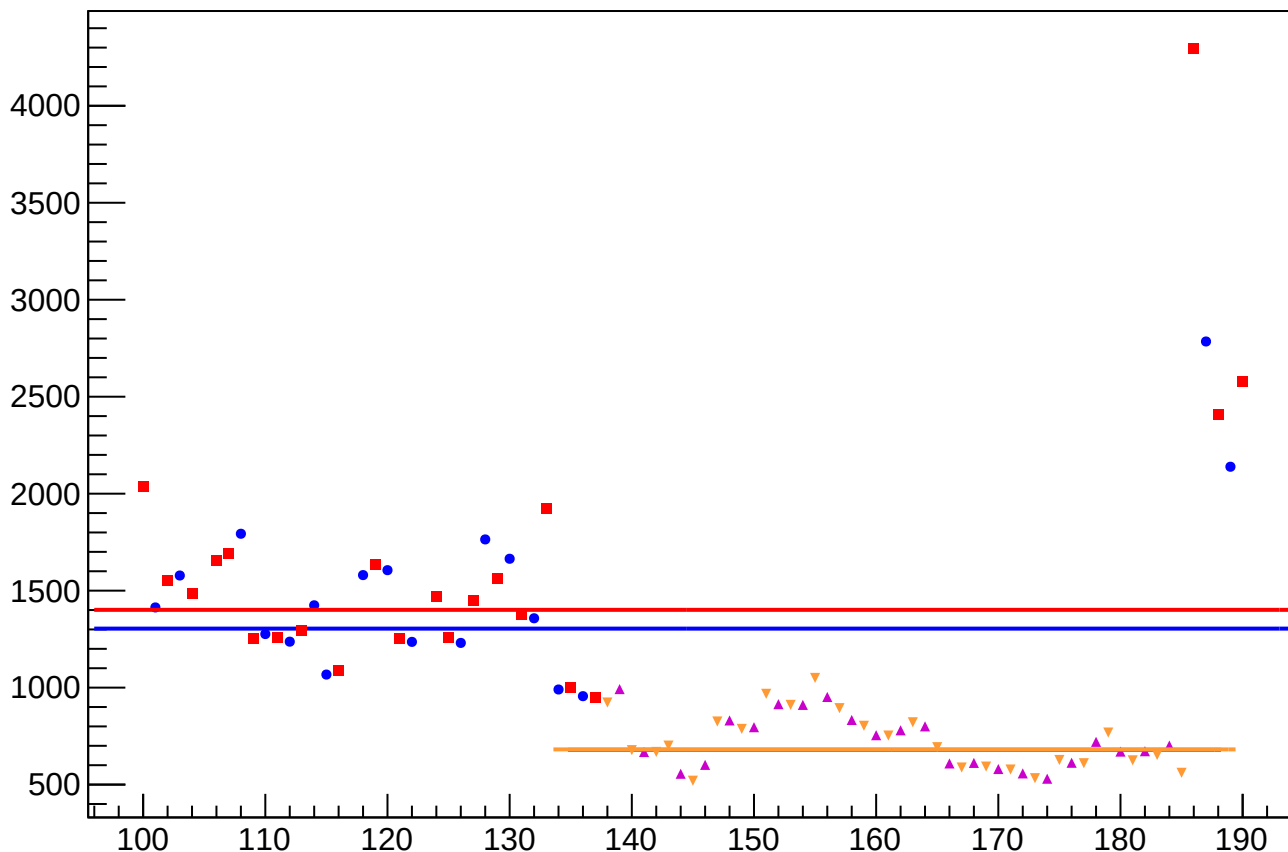
Left In: -113.799+/-161.809 χ^2/NDF : 25.1/22

+ sign -738.479+/-150.109 χ^2/NDF : 90.5/42

All: -474.114+/-107.293 χ^2/NDF : 138.9/87

- sign -197.975+/-153.416 χ^2/NDF : 42.0/44

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1304.256+/-0.339 χ^2/NDF : 870280.4/17

Left Out: 681.427+/-0.112 χ^2/NDF :1334213.4/24

Right Out: 1401.050+/-0.341 χ^2/NDF : 1344454.1/21

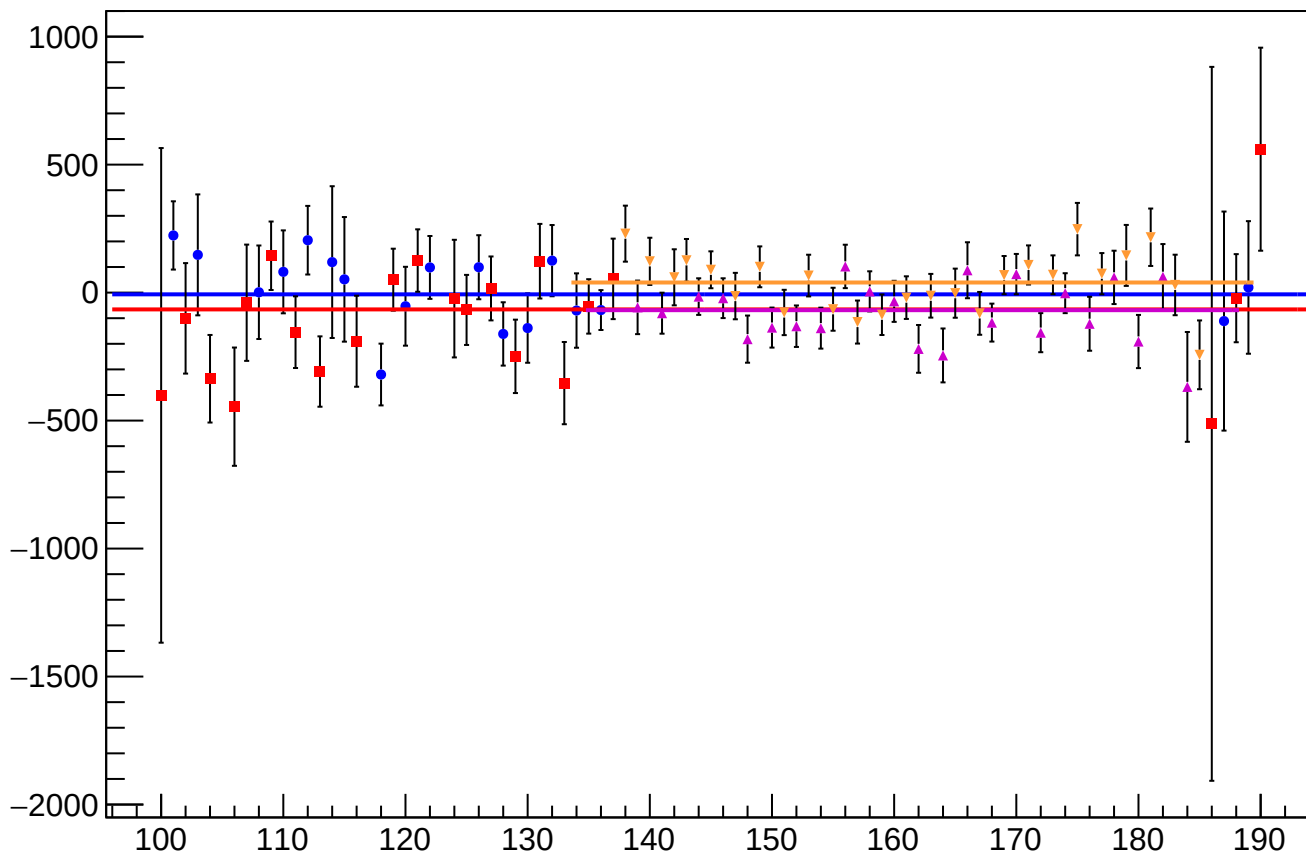
Left In: 679.413+/-0.114 χ^2/NDF :1185267.0/22

+ sign 742.660+/-0.106 χ^2/NDF : 5256807.5/42

All: 747.394+/-0.076 χ^2/NDF : 11810529.2/87

- sign 752.338+/-0.108 χ^2/NDF : 6549655.3/44

cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.766 ± 33.883 $\chi^2/\text{NDF}: 19.0/17$

Left Out: 39.484 ± 17.666 $\chi^2/\text{NDF}: 31.9/24$

Right Out: -65.619 ± 34.053 $\chi^2/\text{NDF}: 25.4/21$

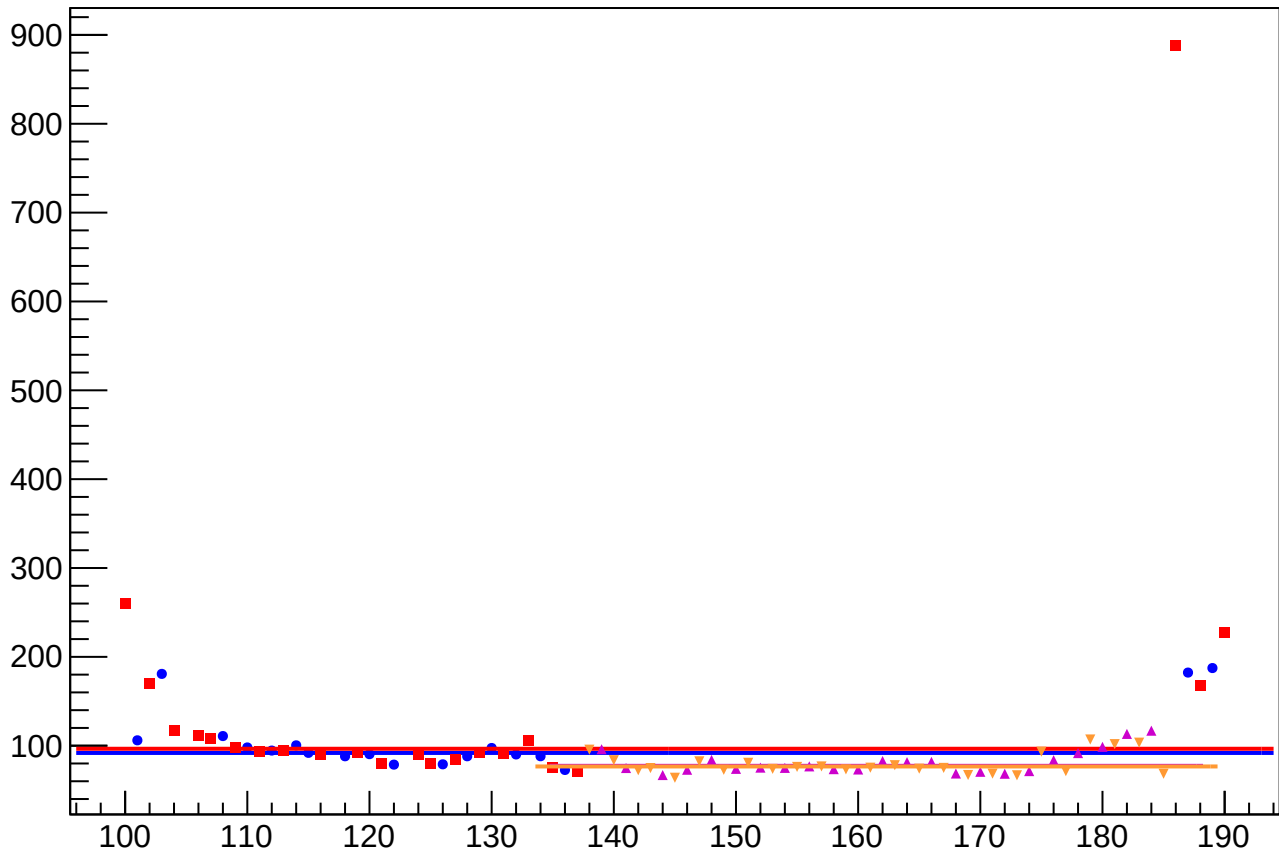
Left In: -68.620 ± 18.317 $\chi^2/\text{NDF}: 29.0/22$

+ sign 29.599 ± 15.665 $\chi^2/\text{NDF}: 52.4/42$

All: -17.742 ± 11.238 $\chi^2/\text{NDF}: 125.7/87$

- sign -67.946 ± 16.131 $\chi^2/\text{NDF}: 54.5/44$

cor_asym_sam_2468_avg_rms vs Slug



Right In: 91.859 $\pm$ 0.024 χ^2 /NDF: 868602.8/17

Left Out: 76.646 $\pm$ 0.012 χ^2 /NDF: 654608.7/24

Right Out: 96.563 $\pm$ 0.024 χ^2 /NDF: 1776902.3/21

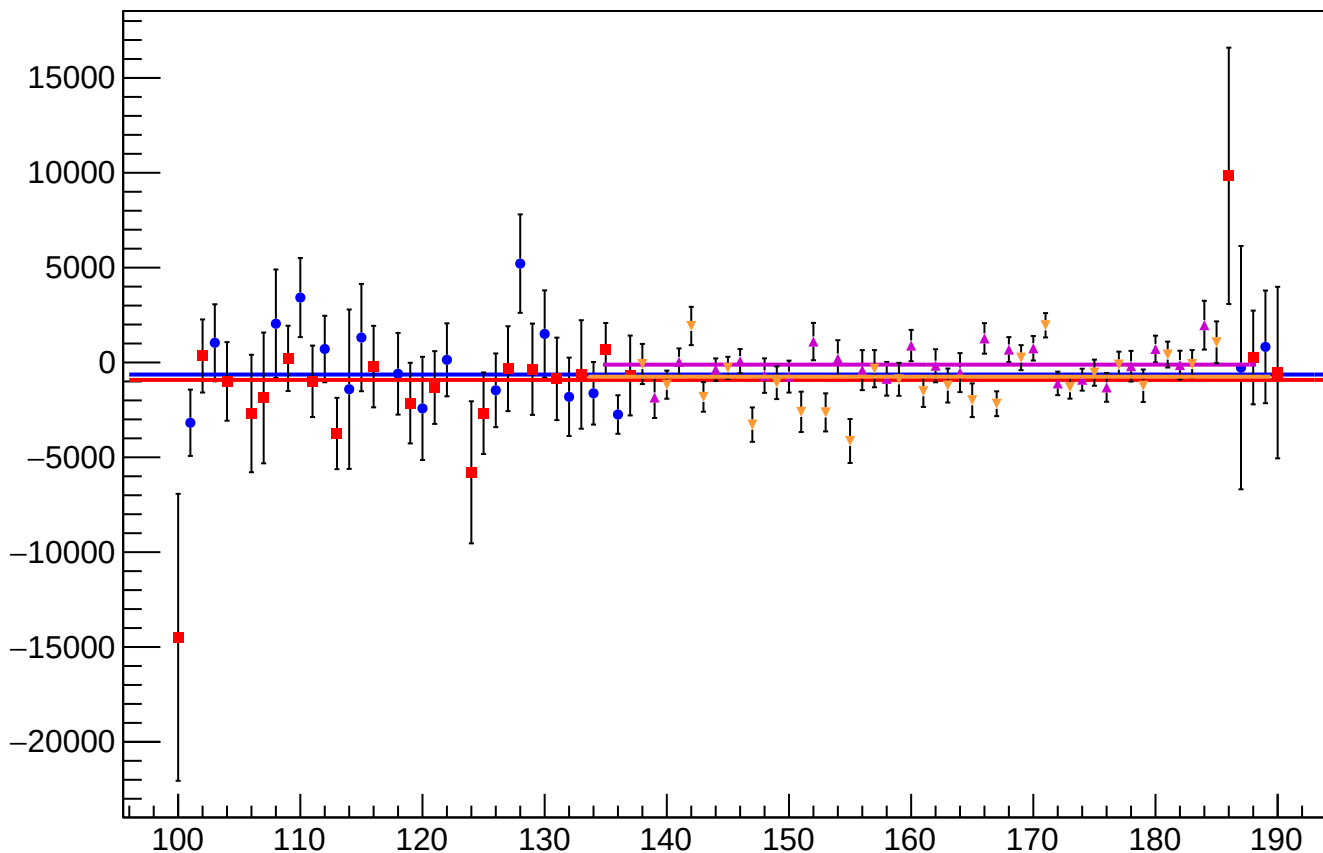
Left In: 77.348 $\pm$ 0.013 χ^2 /NDF: 590414.8/22

+ sign 79.898 $\pm$ 0.011 χ^2 /NDF: 1840197.5/42

All: 80.753 $\pm$ 0.008 χ^2 /NDF: 4713639.5/87

- sign 81.660 $\pm$ 0.011 χ^2 /NDF: 2861160.2/44

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -636.075+/-478.739 χ^2/NDF : 20.5/17

Left Out: -749.632+/-158.081 χ^2/NDF : 70.0/24

Right Out: -918.720+/-483.217 χ^2/NDF : 13.8/21

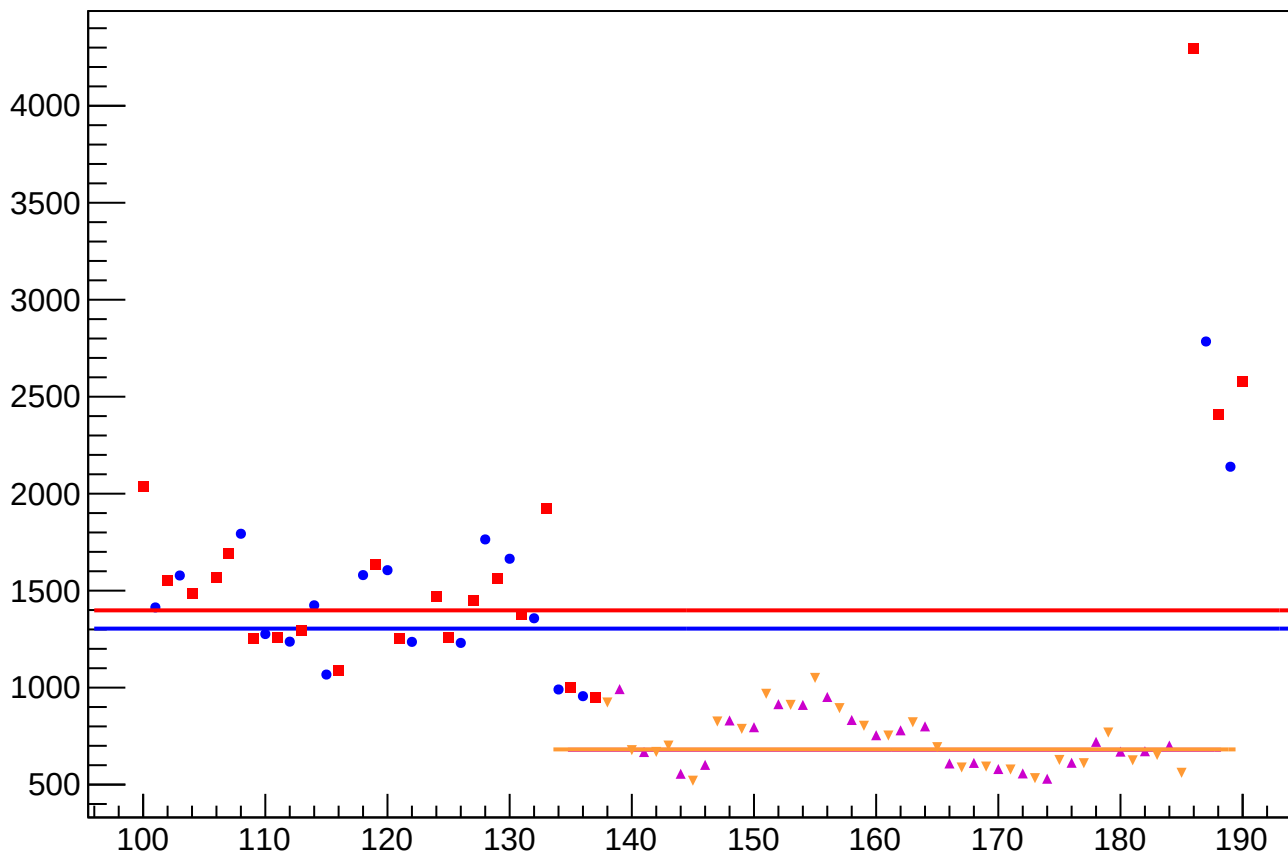
Left In: -113.799+/-161.809 χ^2/NDF : 25.1/22

+ sign -738.468+/-150.109 χ^2/NDF : 90.5/42

All: -472.666+/-107.300 χ^2/NDF : 138.3/87

- sign -194.955+/-153.435 χ^2/NDF : 41.4/44

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1304.260+/-0.339 χ^2/NDF : 870306.1/17

Left Out: 681.426+/-0.112 χ^2/NDF : 1334214.9/24

Right Out: 1398.371+/-0.342 χ^2/NDF : 1335580.3/21

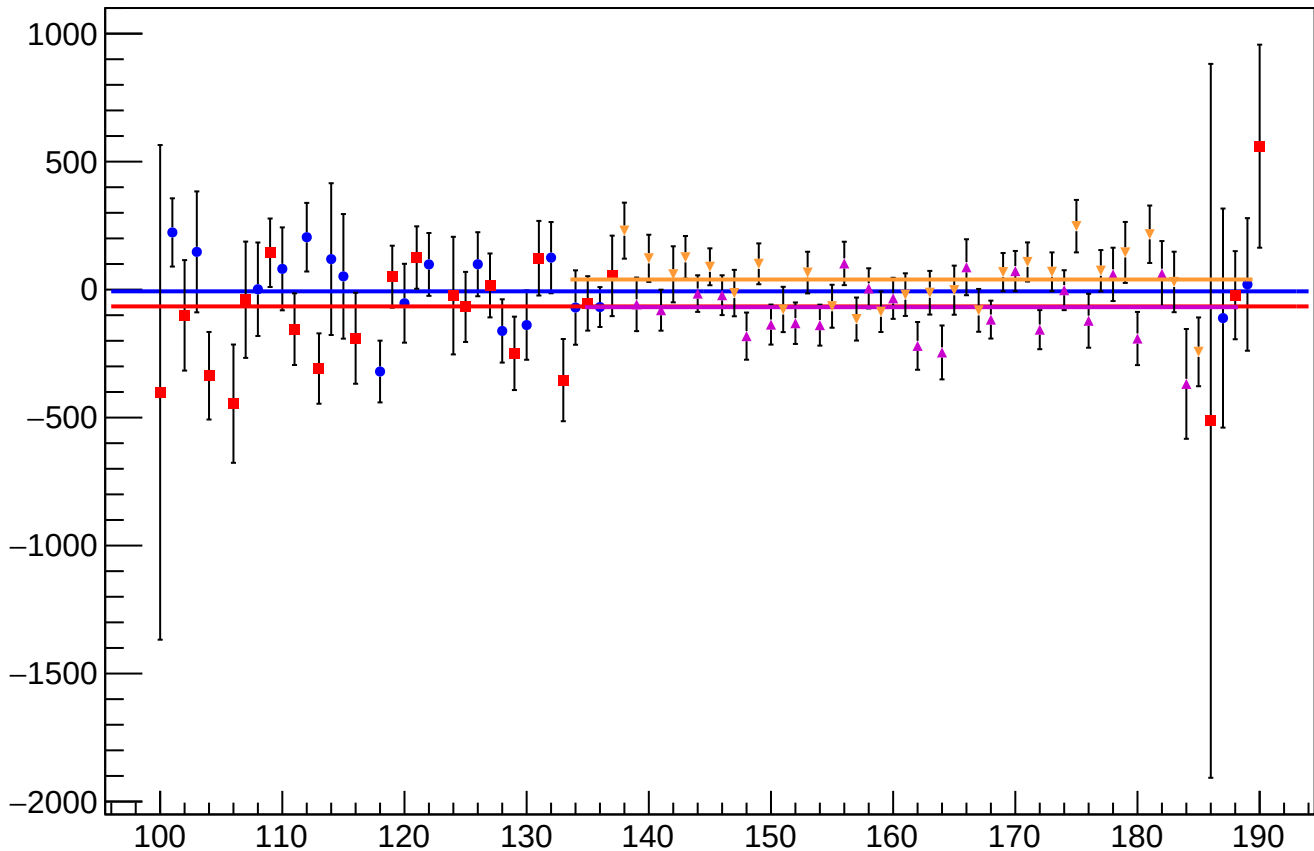
Left In: 679.414+/-0.114 χ^2/NDF : 1185265.0/22

+ sign 742.660+/-0.106 χ^2/NDF : 5256850.1/42

All: 747.180+/-0.076 χ^2/NDF : 11762448.9/87

- sign 751.902+/-0.108 χ^2/NDF : 6501890.9/44

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -6.766 ± 33.883 χ^2/NDF : 19.0/17

Left Out: 39.484 ± 17.666 χ^2/NDF : 31.9/24

Right Out: -65.619 ± 34.053 χ^2/NDF : 25.4/21

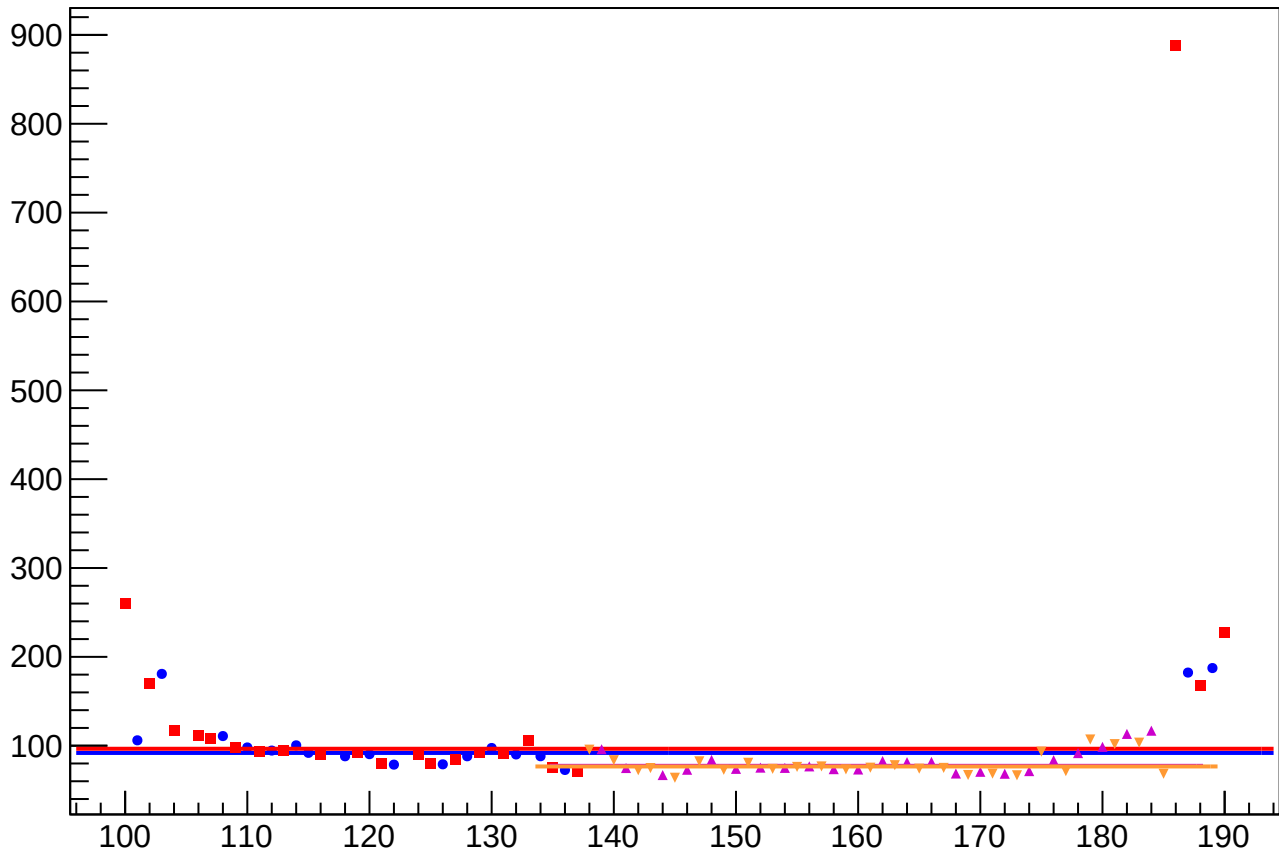
Left In: -68.620 ± 18.317 χ^2/NDF : 29.0/22

+ sign 29.599 ± 15.665 χ^2/NDF : 52.4/42

All: -17.742 ± 11.238 χ^2/NDF : 125.7/87

- sign -67.946 ± 16.131 χ^2/NDF : 54.5/44

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 91.859 ± 0.024 χ^2/NDF : 868602.8/17

Left Out: 76.646 ± 0.012 χ^2/NDF : 654608.7/24

Right Out: 96.563 ± 0.024 χ^2/NDF : 1776902.3/21

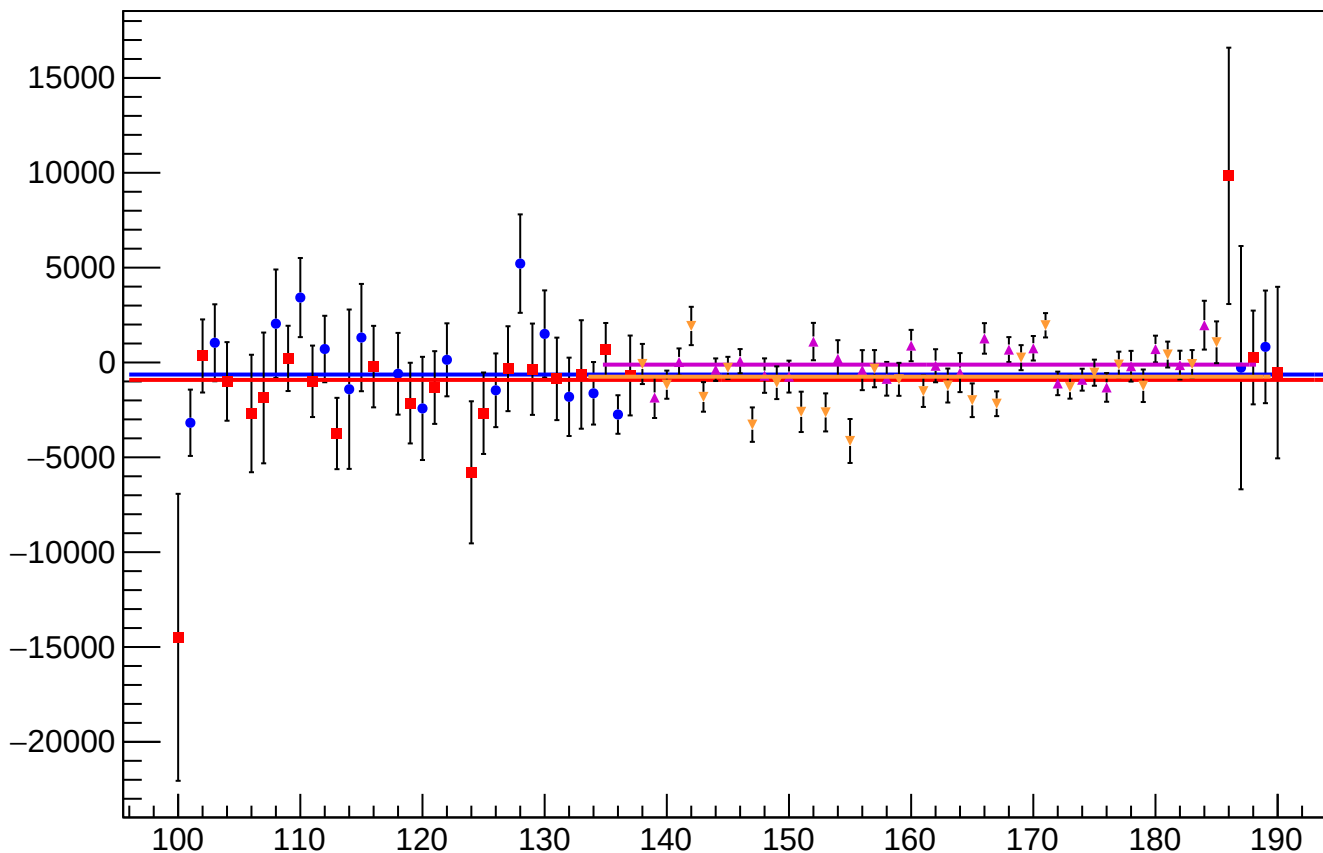
Left In: 77.348 ± 0.013 χ^2/NDF : 590414.8/22

+ sign 79.898 ± 0.011 χ^2/NDF : 1840197.5/42

All: 80.753 ± 0.008 χ^2/NDF : 4713639.5/87

- sign 81.660 ± 0.011 χ^2/NDF : 2861160.2/44

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug



Right In: -636.075+/-478.739 χ^2/NDF : 20.5/17

Left Out: -749.632+/-158.081 χ^2/NDF : 70.0/24

Right Out: -918.720+/-483.217 χ^2/NDF : 13.8/21

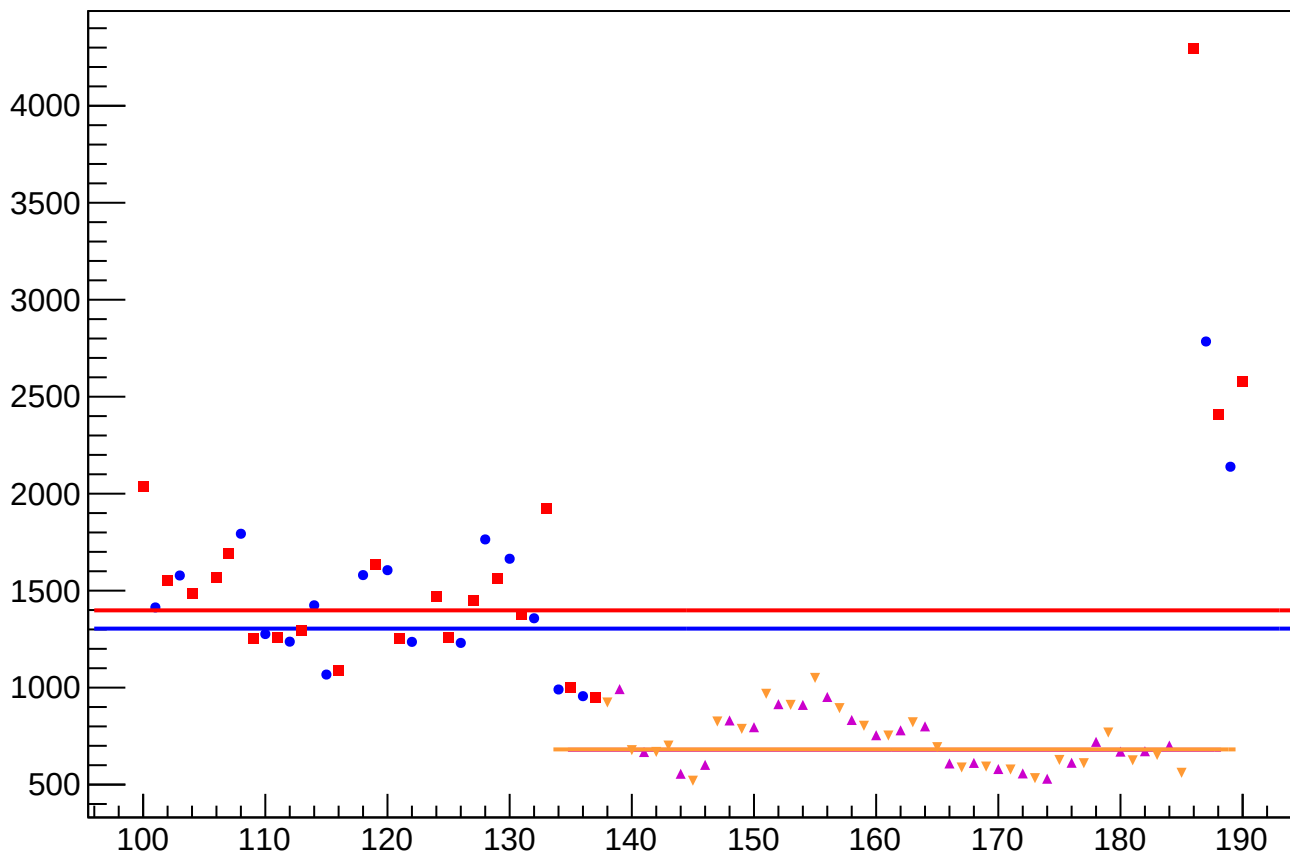
Left In: -113.799+/-161.809 χ^2/NDF : 25.1/22

+ sign -738.468+/-150.109 χ^2/NDF : 90.5/42

All: -472.666+/-107.300 χ^2/NDF : 138.3/87

- sign -194.955+/-153.435 χ^2/NDF : 41.4/44

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1304.260+/-0.339 χ^2/NDF : 870306.1/17

Left Out: 681.426+/-0.112 χ^2/NDF : 1334214.9/24

Right Out: 1398.371+/-0.342 χ^2/NDF : 1335580.3/21

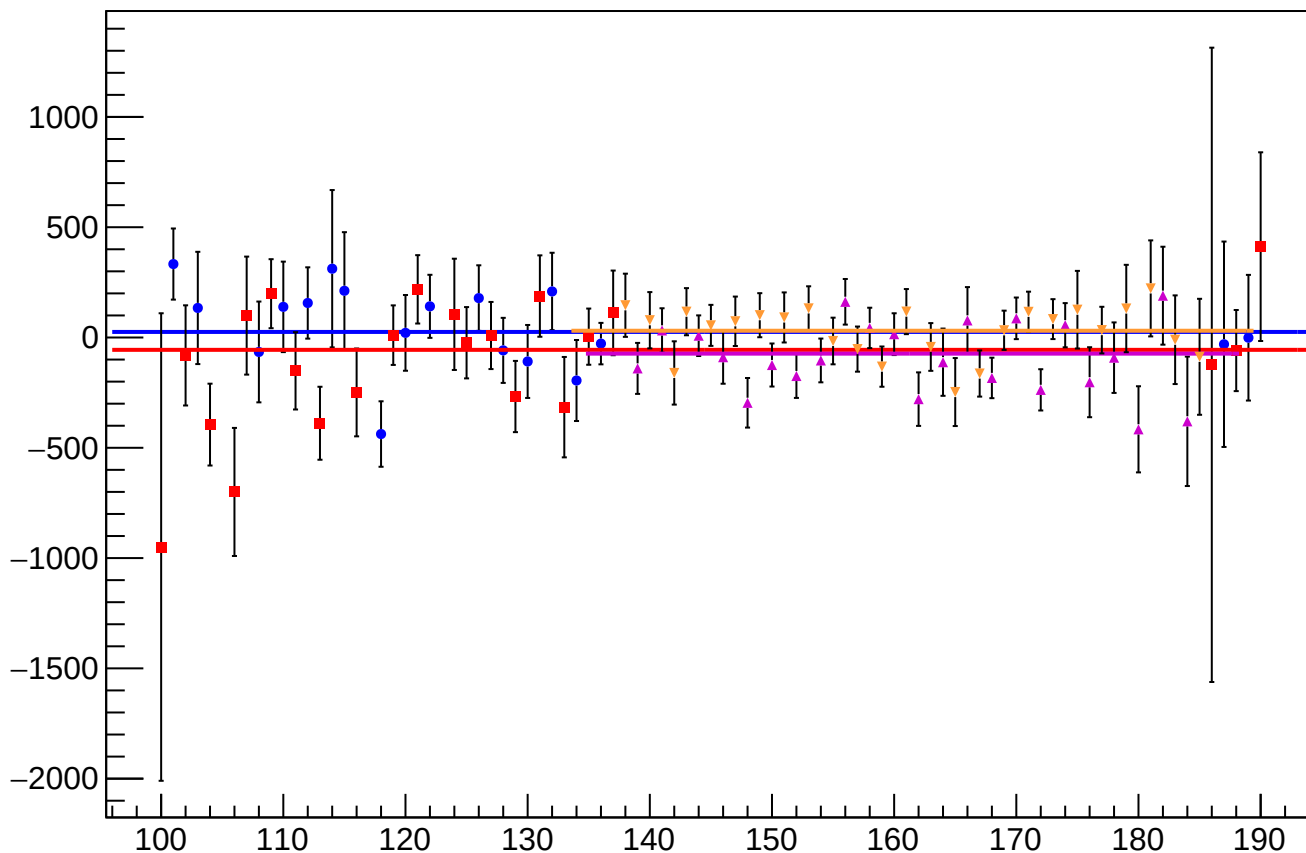
Left In: 679.414+/-0.114 χ^2/NDF : 1185265.0/22

+ sign 742.660+/-0.106 χ^2/NDF : 5256850.1/42

All: 747.180+/-0.076 χ^2/NDF : 11762448.9/87

- sign 751.902+/-0.108 χ^2/NDF : 6501890.9/44

dit_asym_sam_2468_avg_mean vs Slug



Right In: 25.264 ± 40.639 χ^2/NDF : 21.4/17

Left Out: 30.684 ± 22.856 χ^2/NDF : 19.9/24

Right Out: -55.932 ± 40.312 χ^2/NDF : 28.2/21

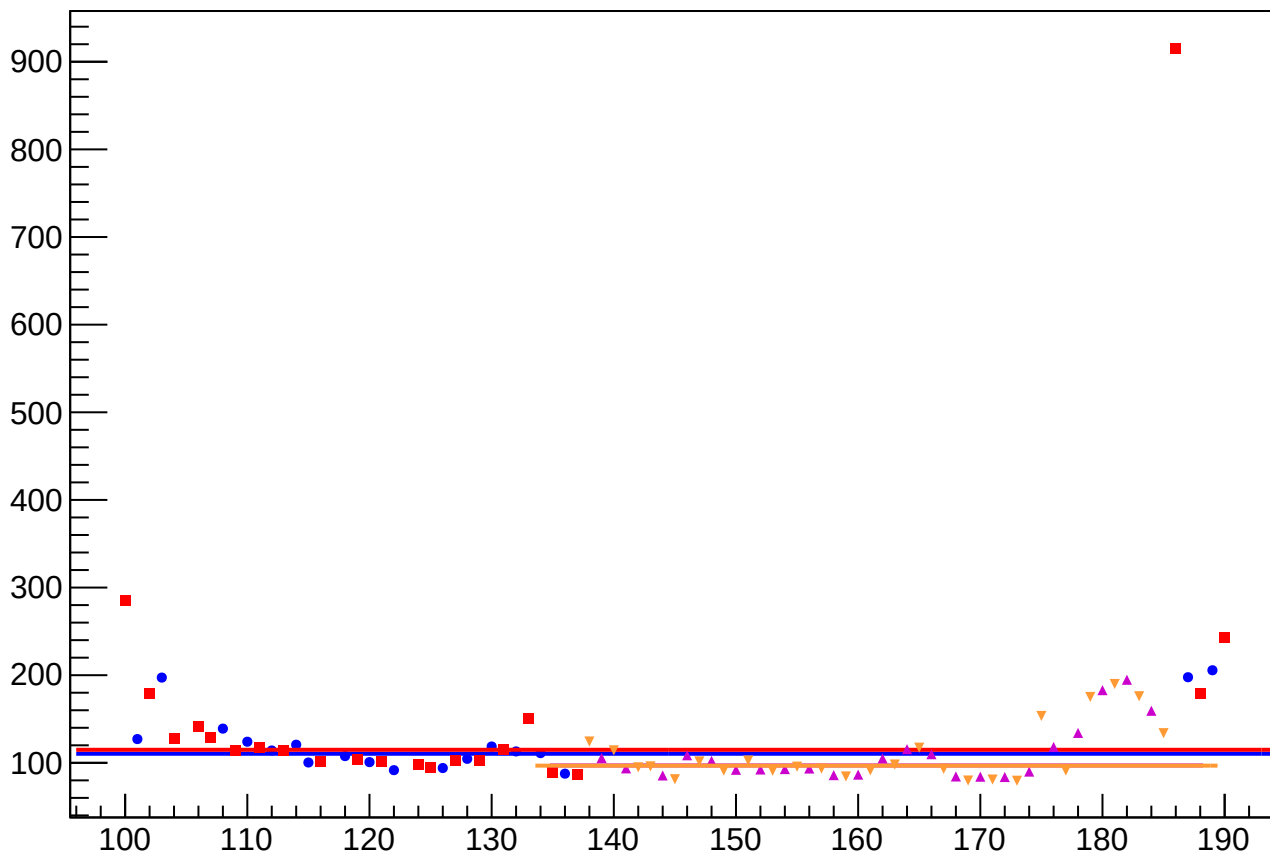
Left In: -73.147 ± 23.510 χ^2/NDF : 34.5/22

+ sign 29.382 ± 19.921 χ^2/NDF : 41.3/42

All: -18.753 ± 14.222 χ^2/NDF : 116.1/87

- sign -68.778 ± 20.309 χ^2/NDF : 62.8/44

dit_asym_sam_2468_avg_rms vs Slug



Right In: 110.359 $\pm$ 0.029 χ^2 /NDF: 785722.3/17

Left Out: 96.794 $\pm$ 0.016 χ^2 /NDF:1720415.9/24

Right Out: 114.897 $\pm$ 0.029 χ^2 /NDF: 1566984.1/21

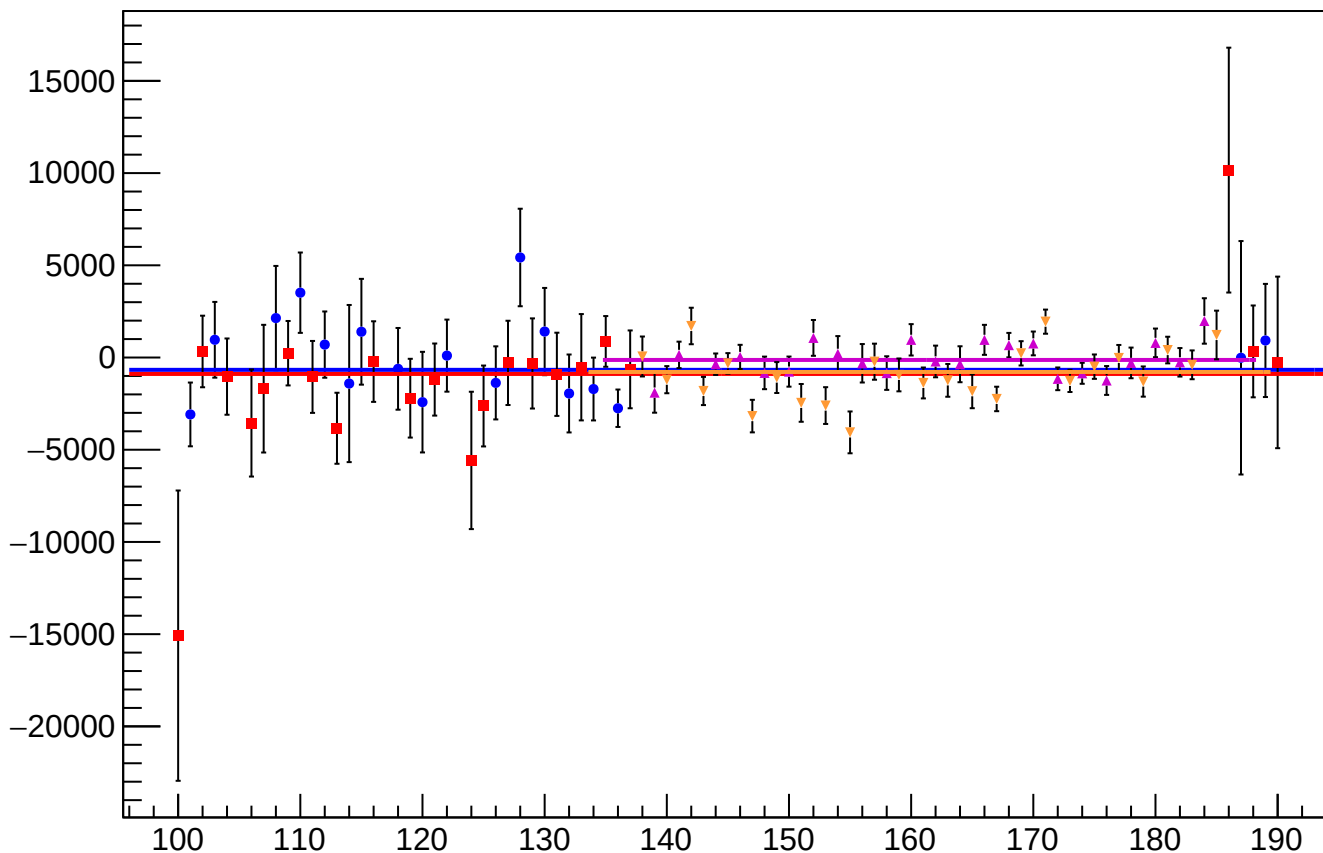
Left In: 97.017 $\pm$ 0.017 χ^2 /NDF:1321187.5/22

+ sign 100.054 $\pm$ 0.014 χ^2 /NDF: 2675422.8/42

All: 100.790 $\pm$ 0.010 χ^2 /NDF: 5862774.9/87

- sign 101.555 $\pm$ 0.014 χ^2 /NDF: 3181785.3/44

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -667.736 $\pm$ 485.561 χ^2 /NDF: 20.4/17

Left Out: -783.756 $\pm$ 158.329 χ^2 /NDF:66.3/24

Right Out: -890.670 $\pm$ 487.467 χ^2 /NDF: 14.8/21

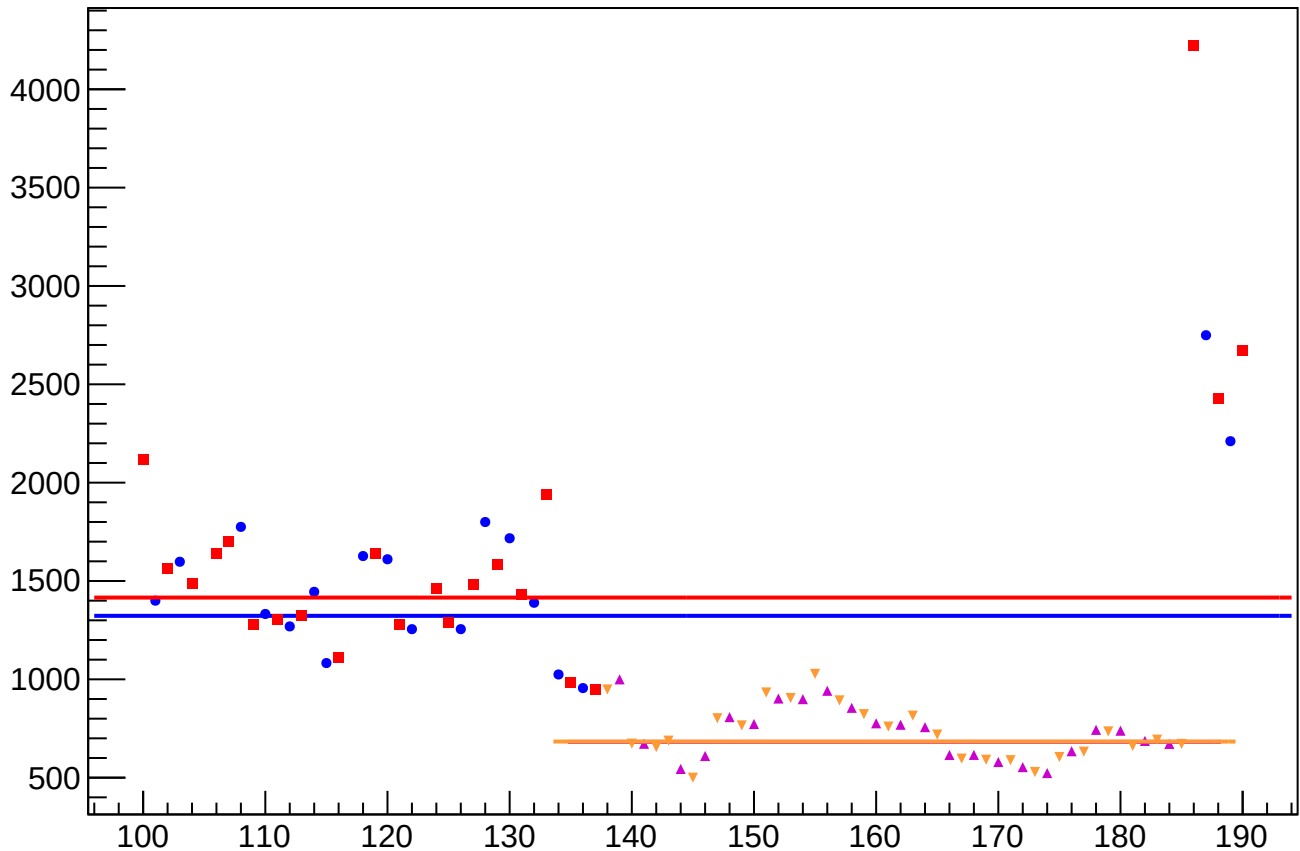
Left In: -131.380 $\pm$ 162.409 χ^2 /NDF:24.3/22

+ sign -772.606 $\pm$ 150.528 χ^2 /NDF: 86.8/42

All: -496.520 $\pm$ 107.674 χ^2 /NDF: 135.0/87

- sign -207.242 $\pm$ 154.083 χ^2 /NDF: 41.3/44

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1322.848 ± 0.343 $\chi^2/\text{NDF}: 888342.8/17$

Left Out: 683.698 ± 0.112 $\chi^2/\text{NDF}: 1297969.4/24$

Right Out: 1415.700 ± 0.345 $\chi^2/\text{NDF}: 1364474.2/21$

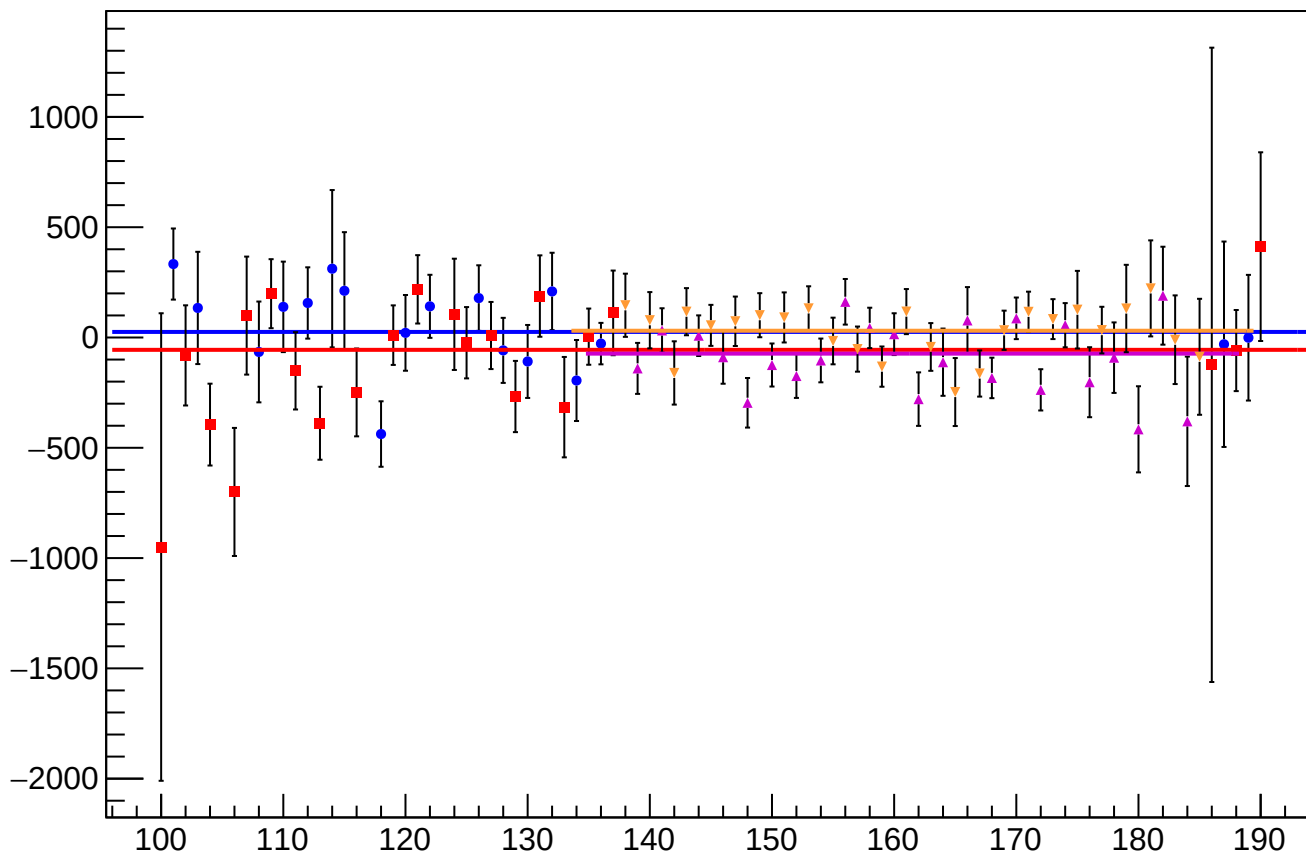
Left In: 681.961 ± 0.115 $\chi^2/\text{NDF}: 1186135.0/22$

+ sign 745.124 ± 0.106 $\chi^2/\text{NDF}: 5318629.0/42$

All: 750.079 ± 0.076 $\chi^2/\text{NDF}: 11952245.5/87$

- sign 755.271 ± 0.109 $\chi^2/\text{NDF}: 6629178.6/44$

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 25.265 $\pm$ 40.639 χ^2 /NDF: 21.4/17

Left Out: 30.684 $\pm$ 22.856 χ^2 /NDF: 19.9/24

Right Out: -55.930 $\pm$ 40.311 χ^2 /NDF: 28.2/21

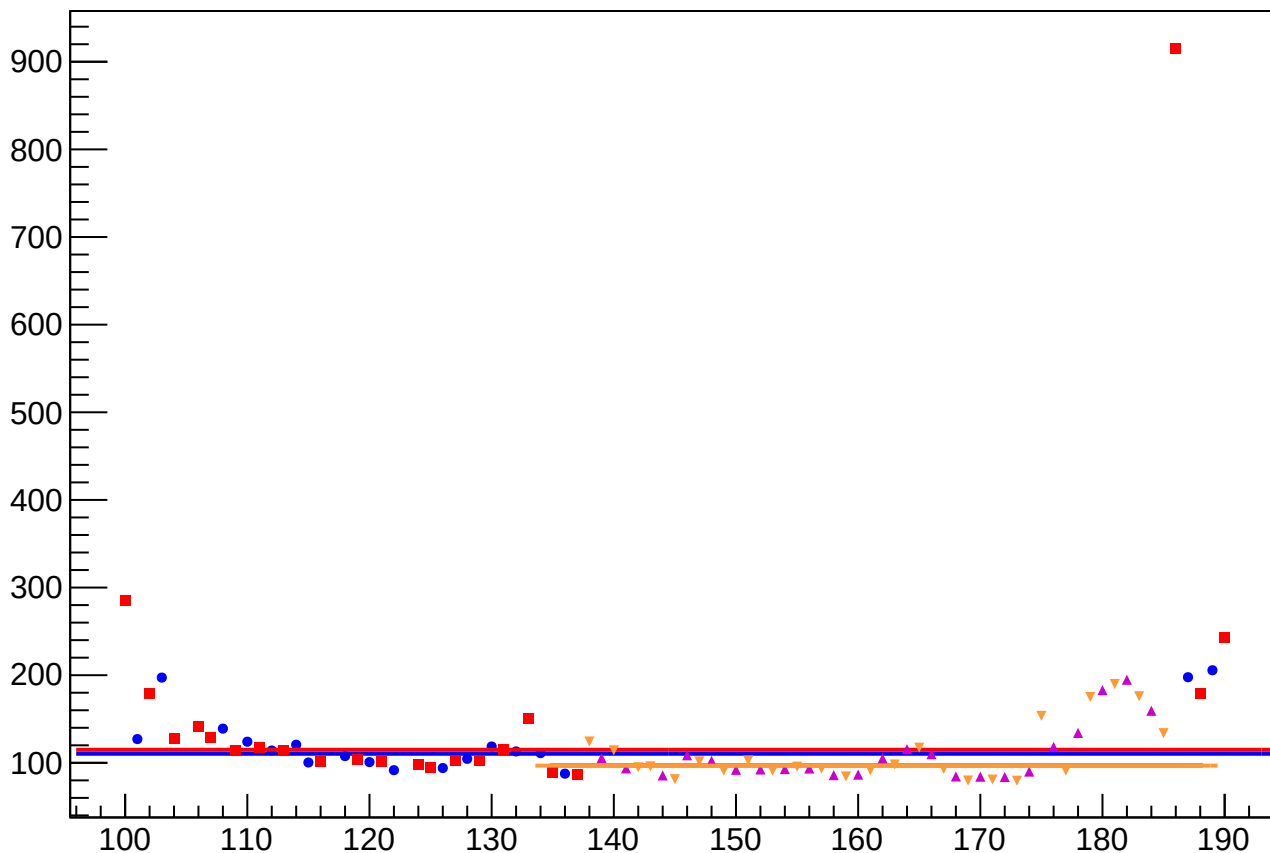
Left In: -73.146 $\pm$ 23.510 χ^2 /NDF: 34.5/22

+ sign 29.382 $\pm$ 19.921 χ^2 /NDF: 41.3/42

All: -18.752 $\pm$ 14.222 χ^2 /NDF: 116.1/87

- sign -68.777 $\pm$ 20.309 χ^2 /NDF: 62.8/44

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 110.358 $\pm$ 0.029 χ^2 /NDF: 785714.1/17

Left Out: 96.795 $\pm$ 0.016 χ^2 /NDF:1720415.9/24

Right Out: 114.896 $\pm$ 0.029 χ^2 /NDF: 1566991.1/21

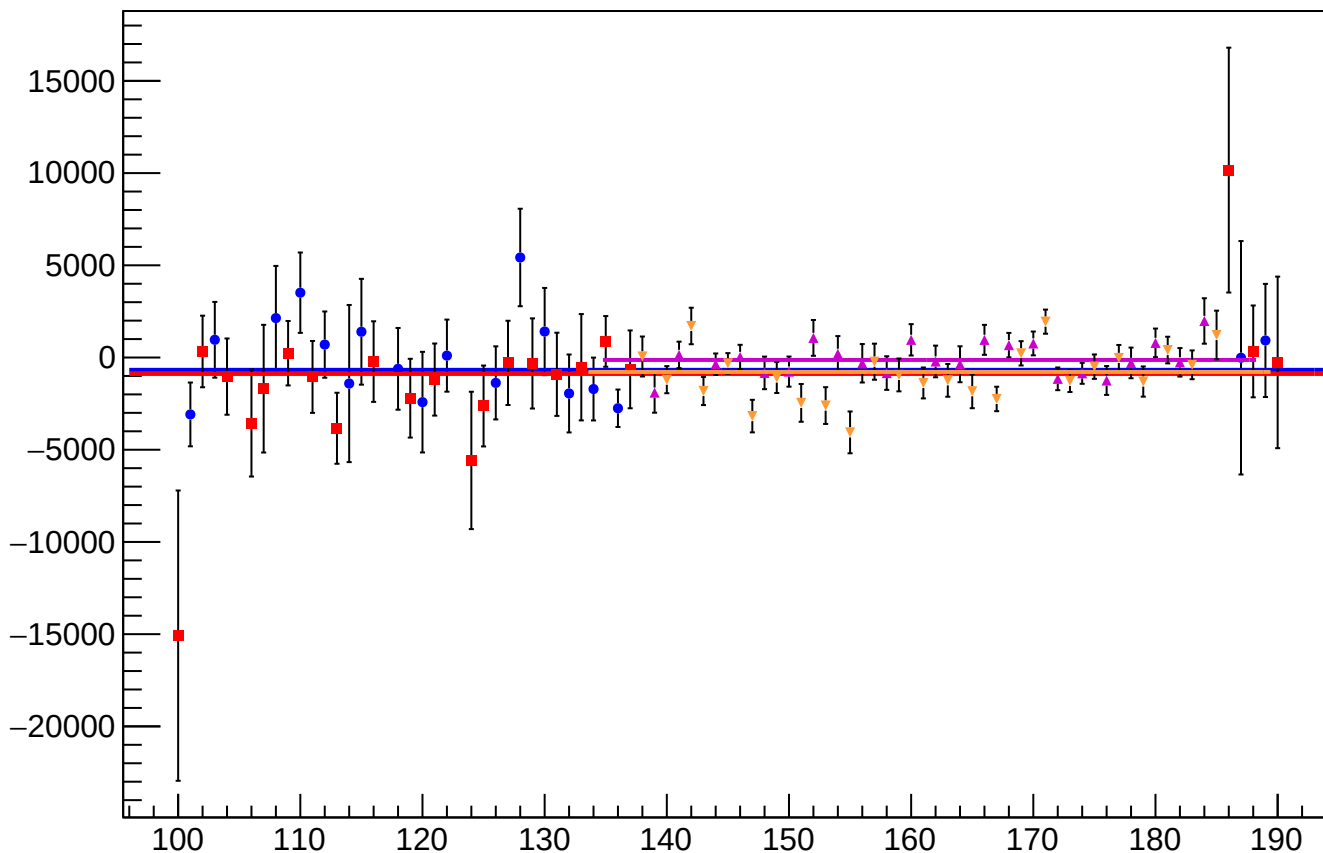
Left In: 97.017 $\pm$ 0.017 χ^2 /NDF:1321171.2/22

+ sign 100.054 $\pm$ 0.014 χ^2 /NDF: 2675389.8/42

All: 100.790 $\pm$ 0.010 χ^2 /NDF: 5862703.4/87

- sign 101.555 $\pm$ 0.014 χ^2 /NDF: 3181746.6/44

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug



Right In: -667.731 $\pm$ 485.560 χ^2 /NDF: 20.4/17

Left Out: -783.754 $\pm$ 158.328 χ^2 /NDF:66.3/24

Right Out: -890.669 $\pm$ 487.466 χ^2 /NDF: 14.8/21

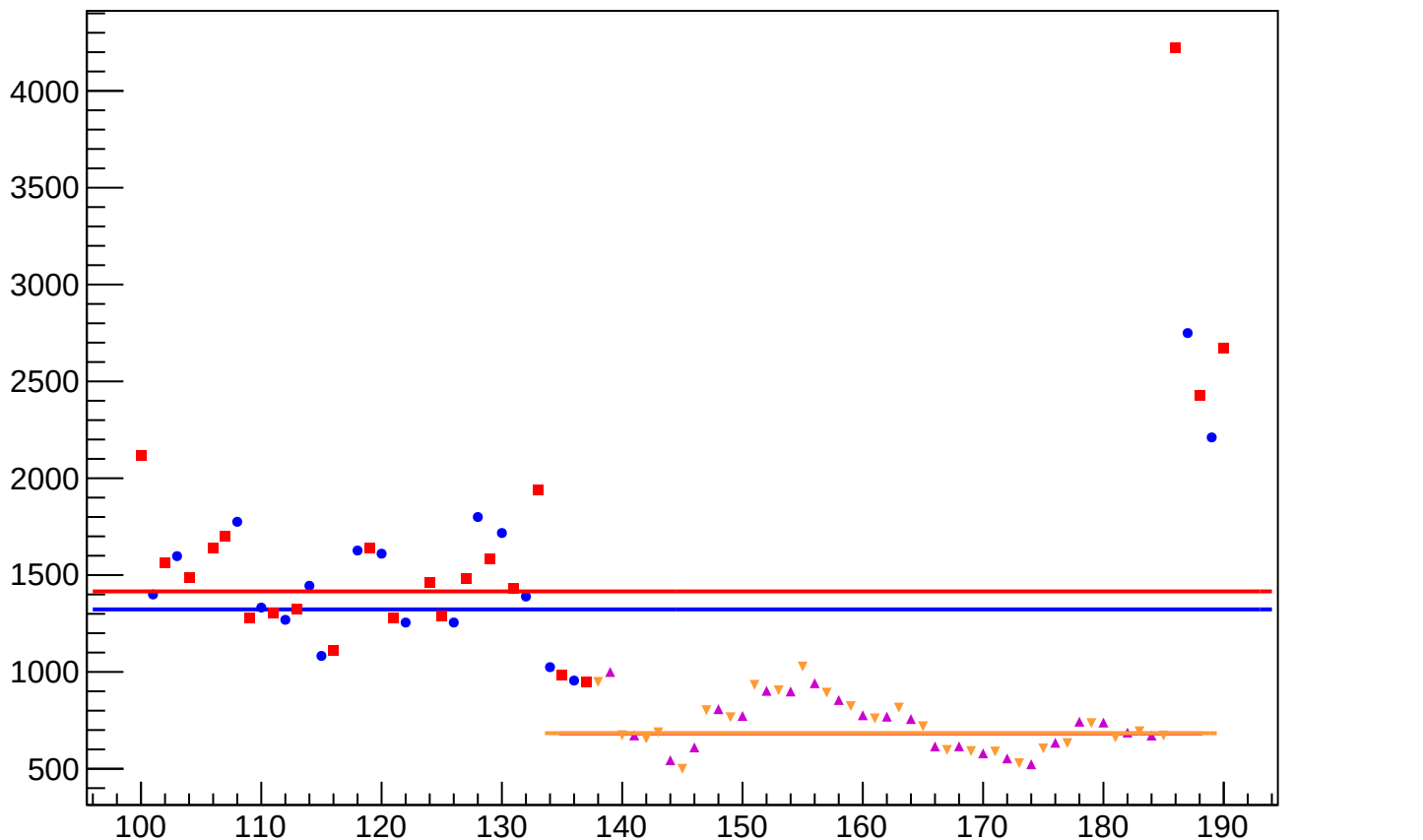
Left In: -131.379 $\pm$ 162.409 χ^2 /NDF:24.3/22

+ sign -772.604 $\pm$ 150.528 χ^2 /NDF: 86.8/42

All: -496.518 $\pm$ 107.674 χ^2 /NDF: 135.0/87

- sign -207.242 $\pm$ 154.082 χ^2 /NDF: 41.3/44

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1322.845+/-0.343 χ^2/NDF : 888341.2/17

Left Out: 683.696+/-0.112 χ^2/NDF : 1297975.5/24

Right Out: 1415.697+/-0.345 χ^2/NDF : 1364475.3/21

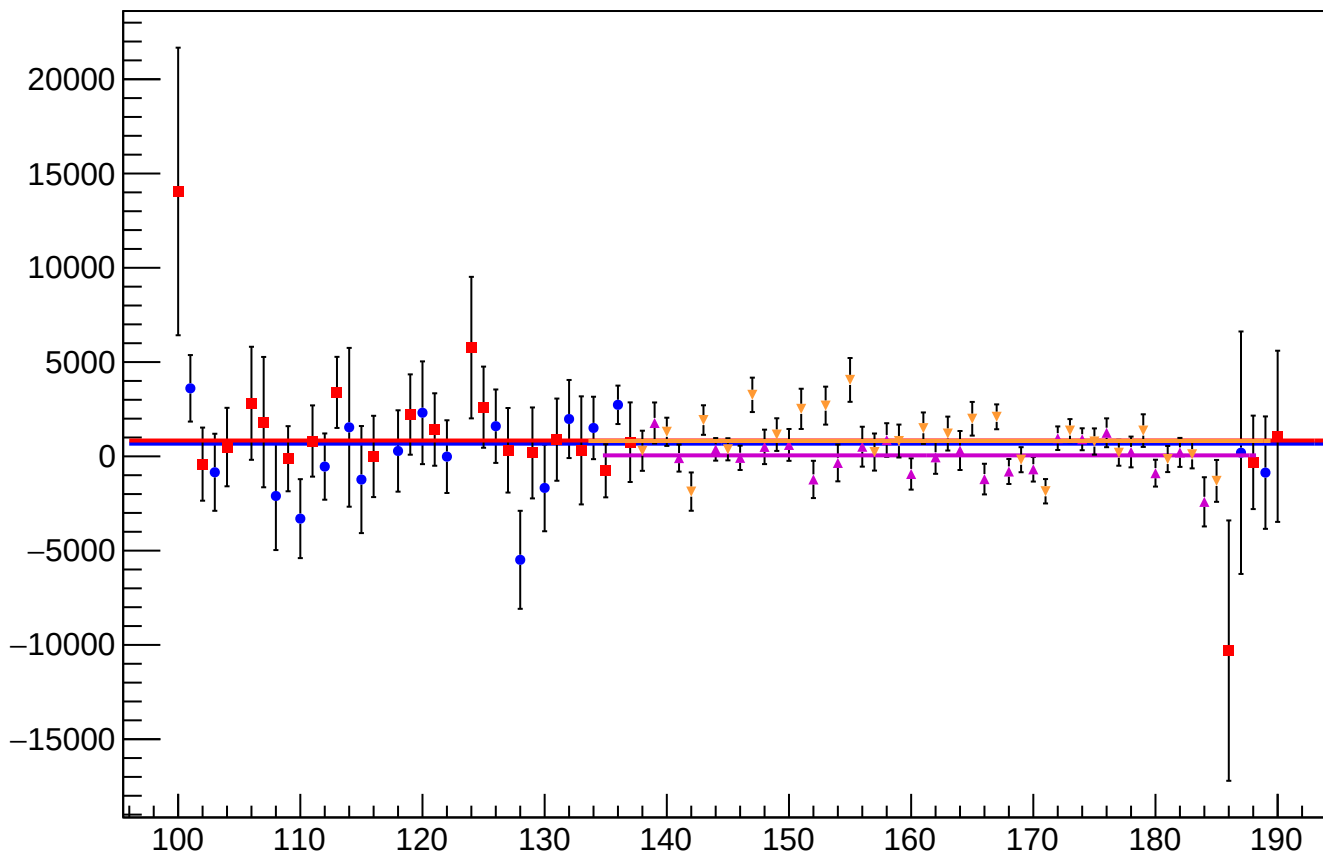
Left In: 681.960+/-0.115 χ^2/NDF : 1186136.6/22

+ sign 745.122+/-0.106 χ^2/NDF : 5318633.8/42

All: 750.077+/-0.076 χ^2/NDF : 11952251.9/87

- sign 755.269+/-0.109 χ^2/NDF : 6629180.1/44

asym_sam_2468_avg_mean vs Slug



Right In: 673.619 ± 480.472 χ^2/NDF : 21.2/17

Left Out: 814.067 ± 159.256 χ^2/NDF : 65.8/24

Right Out: 840.222 ± 484.293 χ^2/NDF : 13.5/21

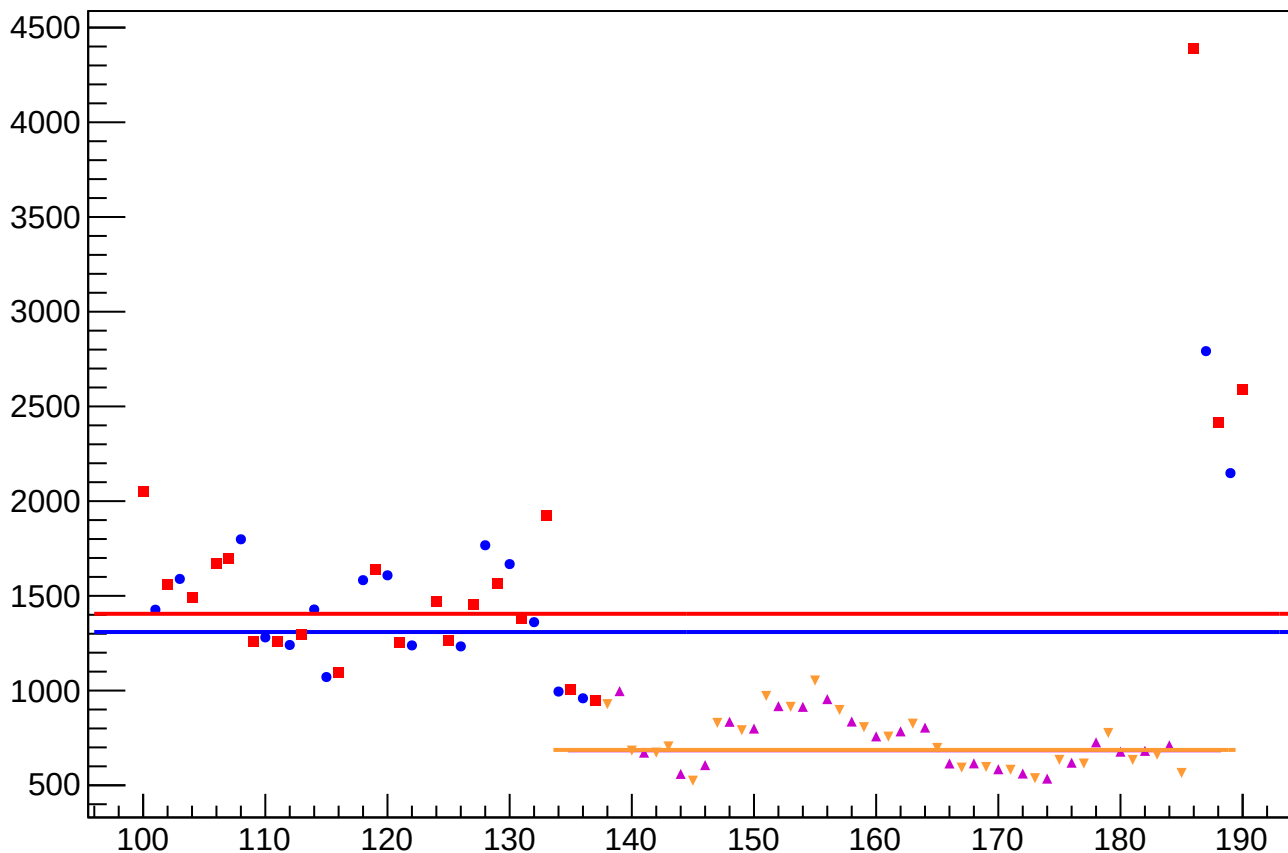
Left In: 52.290 ± 163.036 χ^2/NDF : 25.4/22

+ sign 800.164 ± 151.168 χ^2/NDF : 87.1/42

All: 473.640 ± 108.056 χ^2/NDF : 137.9/87

- sign 132.497 ± 154.515 χ^2/NDF : 41.2/44

asym_sam_2468_avg_rms vs Slug



Right In: 1309.033 ± 0.340 $\chi^2/\text{NDF}: 870516.5/17$

Left Out: 686.700 ± 0.113 $\chi^2/\text{NDF}: 1312231.8/24$

Right Out: 1405.276 ± 0.342 $\chi^2/\text{NDF}: 1352556.9/21$

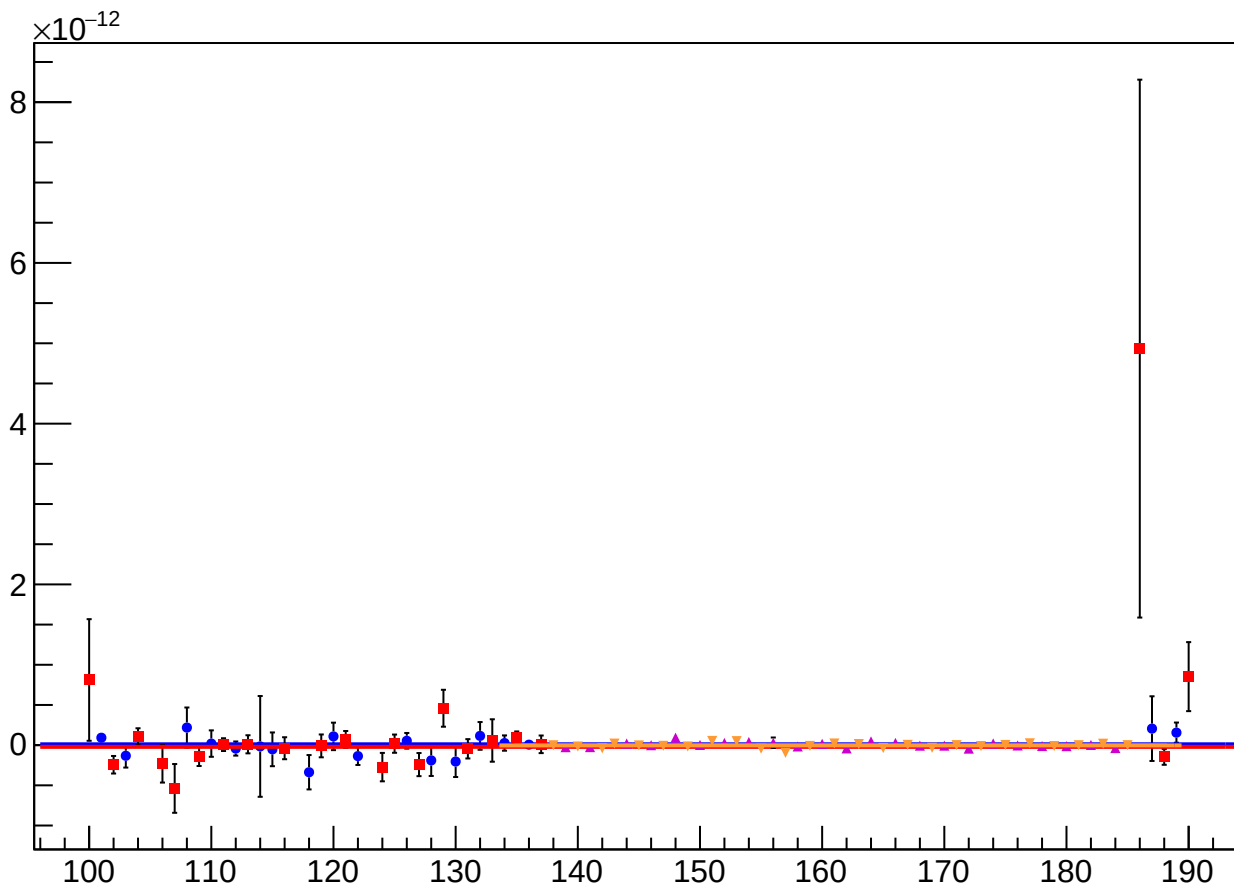
Left In: 684.763 ± 0.115 $\chi^2/\text{NDF}: 1165205.5/22$

+ sign 748.304 ± 0.107 $\chi^2/\text{NDF}: 5205968.8/42$

All: 753.099 ± 0.076 $\chi^2/\text{NDF}: 11704090.9/87$

- sign 758.108 ± 0.109 $\chi^2/\text{NDF}: 6494008.0/44$

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 13.2/17

Left Out: -0.000+/-0.000 χ^2/NDF : 16.5/24

Right Out: -0.000+/-0.000 χ^2/NDF : 31.8/21

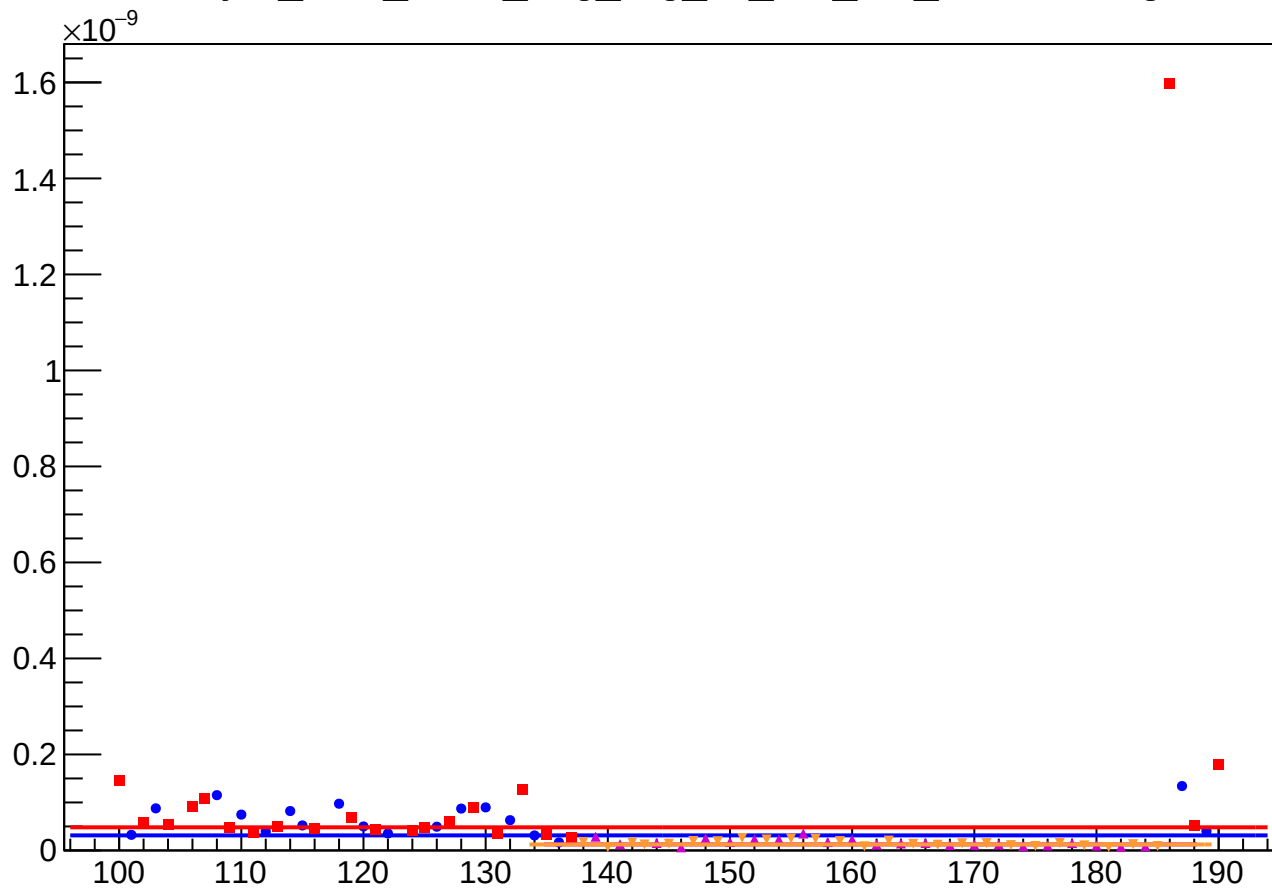
Left In: 0.000+/-0.000 χ^2/NDF : 20.5/22

+ sign -0.000+/-0.000 χ^2/NDF : 30.2/42

All: -0.000+/-0.000 χ^2/NDF : 83.1/87

- sign -0.000+/-0.000 χ^2/NDF : 52.9/44

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2054911.3/17

Left Out: 0.000+/-0.000 χ^2/NDF :1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1339814.1/21

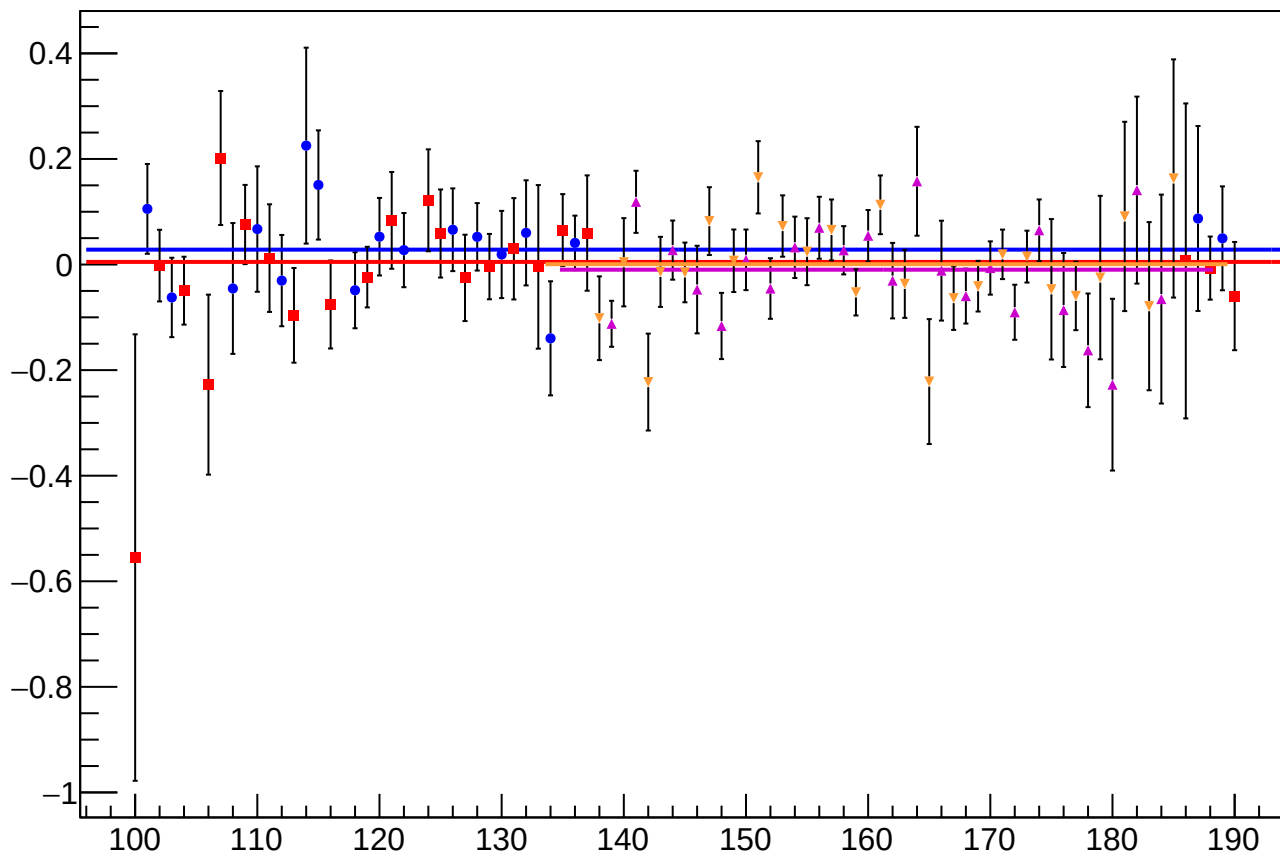
Left In: 0.000+/-0.000 χ^2/NDF :1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 5295781.9/42

All: 0.000+/-0.000 χ^2/NDF : 11843681.9/87

- sign 0.000+/-0.000 χ^2/NDF : 6541833.5/44

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 ± 0.020 χ^2/NDF : 10.1/17

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: 0.005 ± 0.018 χ^2/NDF : 14.4/21

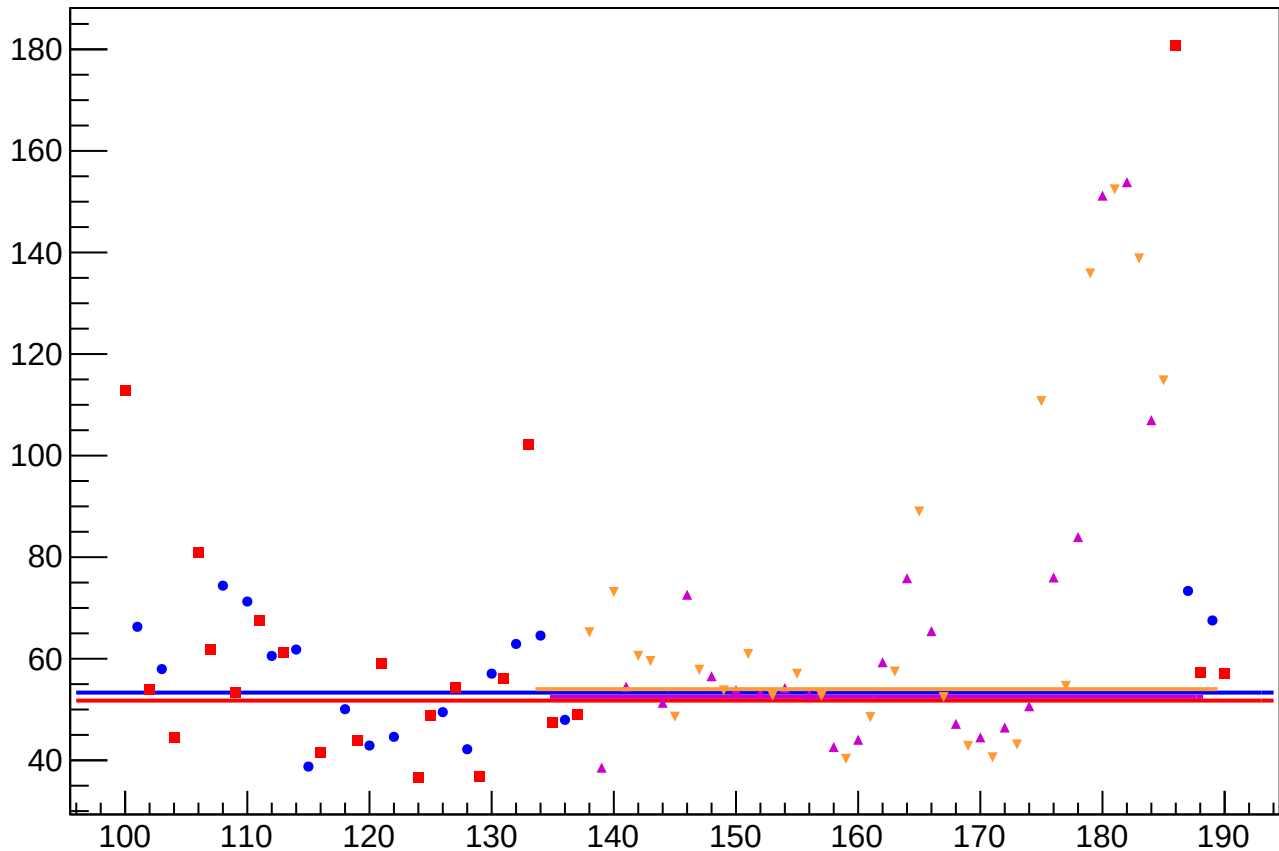
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign 0.009 ± 0.011 χ^2/NDF : 43.1/42

All: 0.002 ± 0.008 χ^2/NDF : 90.7/87

- sign -0.005 ± 0.011 χ^2/NDF : 46.7/44

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 53.333+/-0.014 χ^2/NDF : 489563.2/17

Left Out: 54.014+/-0.009 χ^2/NDF : 3227550.5/24

Right Out: 51.760+/-0.013 χ^2/NDF : 1082843.3/21

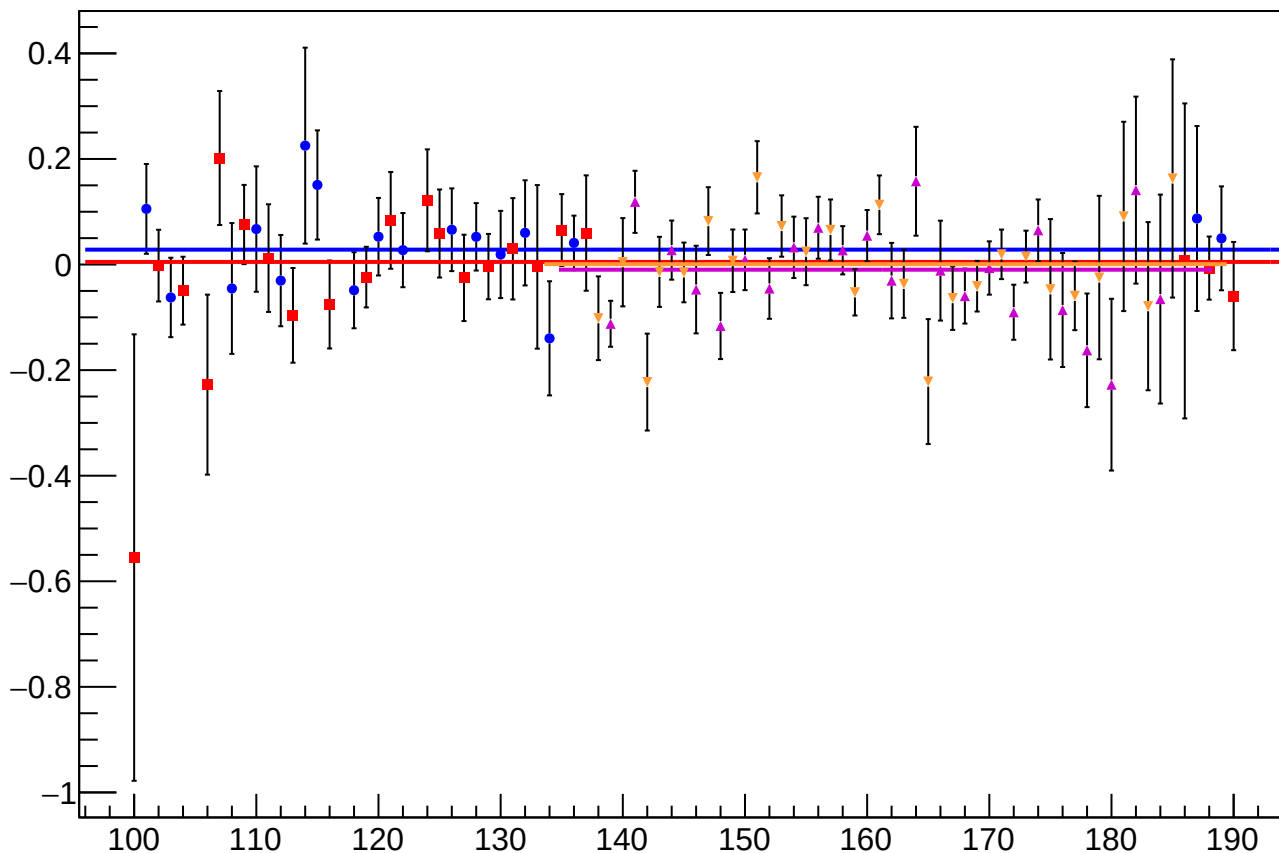
Left In: 52.502+/-0.009 χ^2/NDF : 2557763.5/22

+ sign 53.804+/-0.008 χ^2/NDF : 3718744.5/42

All: 53.002+/-0.005 χ^2/NDF : 7382148.4/87

- sign 52.246+/-0.008 χ^2/NDF : 3642783.3/44

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.020 χ^2 /NDF: 10.1/17

Left Out: 0.001 $\pm$ 0.013 χ^2 /NDF:31.7/24

Right Out: 0.005 $\pm$ 0.018 χ^2 /NDF: 14.4/21

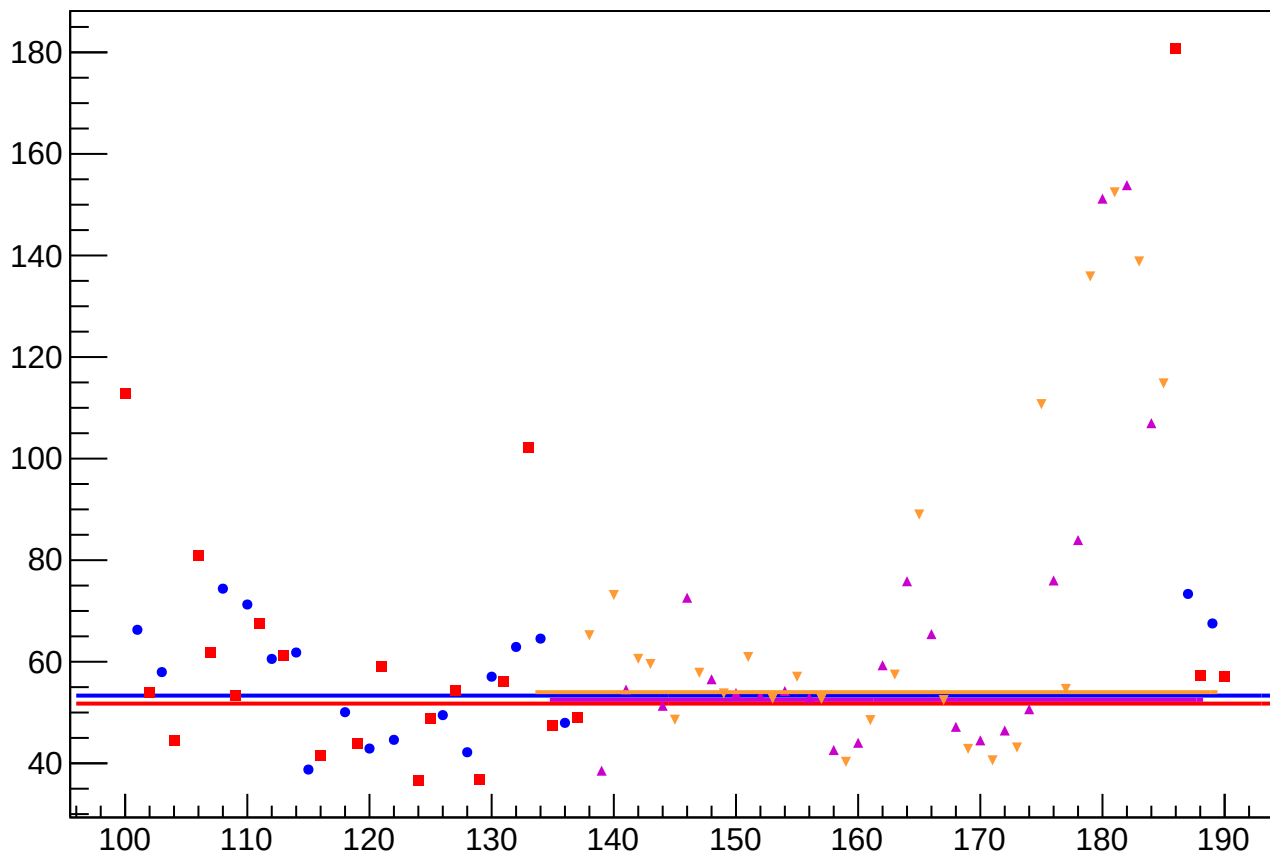
Left In: -0.010 $\pm$ 0.013 χ^2 /NDF:31.9/22

+ sign 0.009 $\pm$ 0.011 χ^2 /NDF: 43.1/42

All: 0.002 $\pm$ 0.008 χ^2 /NDF: 90.7/87

- sign -0.005 $\pm$ 0.011 χ^2 /NDF: 46.7/44

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.333 ± 0.014 χ^2/NDF : 489563.2/17

Left Out: 54.014 ± 0.009 χ^2/NDF : 3227550.5/24

Right Out: 51.760 ± 0.013 χ^2/NDF : 1082843.3/21

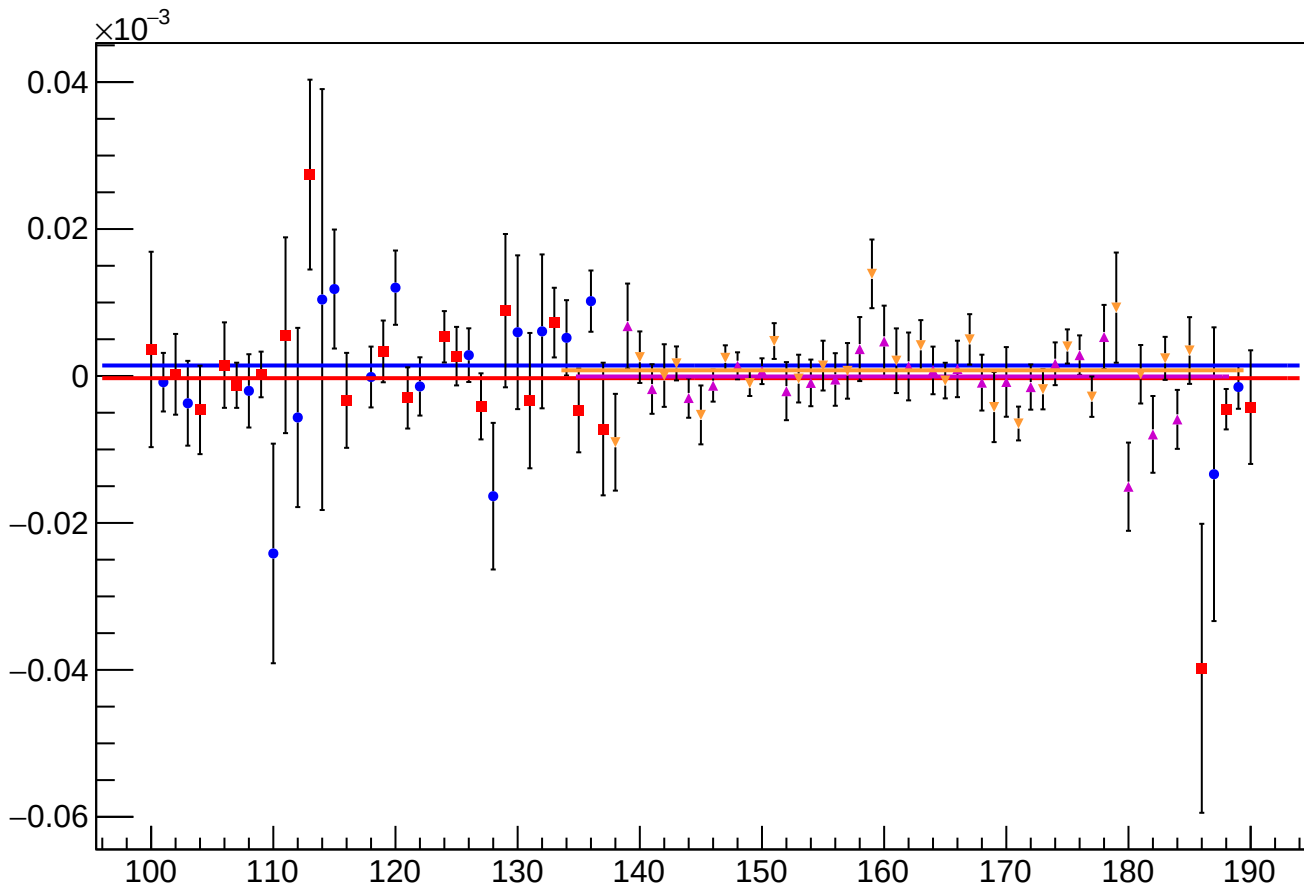
Left In: 52.502 ± 0.009 χ^2/NDF : 2557763.5/22

+ sign 53.804 ± 0.008 χ^2/NDF : 3718744.5/42

All: 53.002 ± 0.005 χ^2/NDF : 7382148.4/87

- sign 52.246 ± 0.008 χ^2/NDF : 3642783.3/44

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:38.1/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 22.2/21

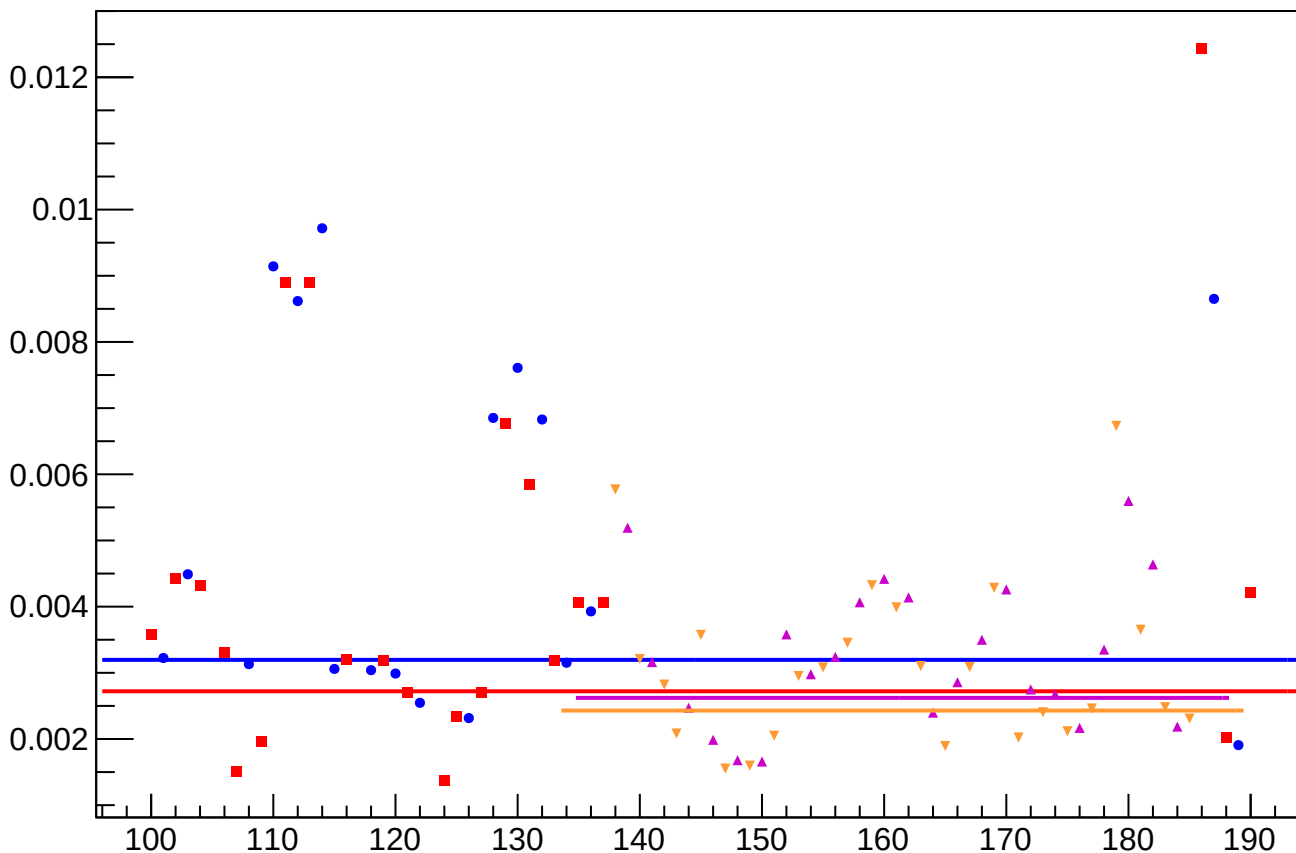
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:20.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 60.2/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 104.3/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 42.4/44

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 2546544.6/17

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF : 4218362.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 3428620.4/21

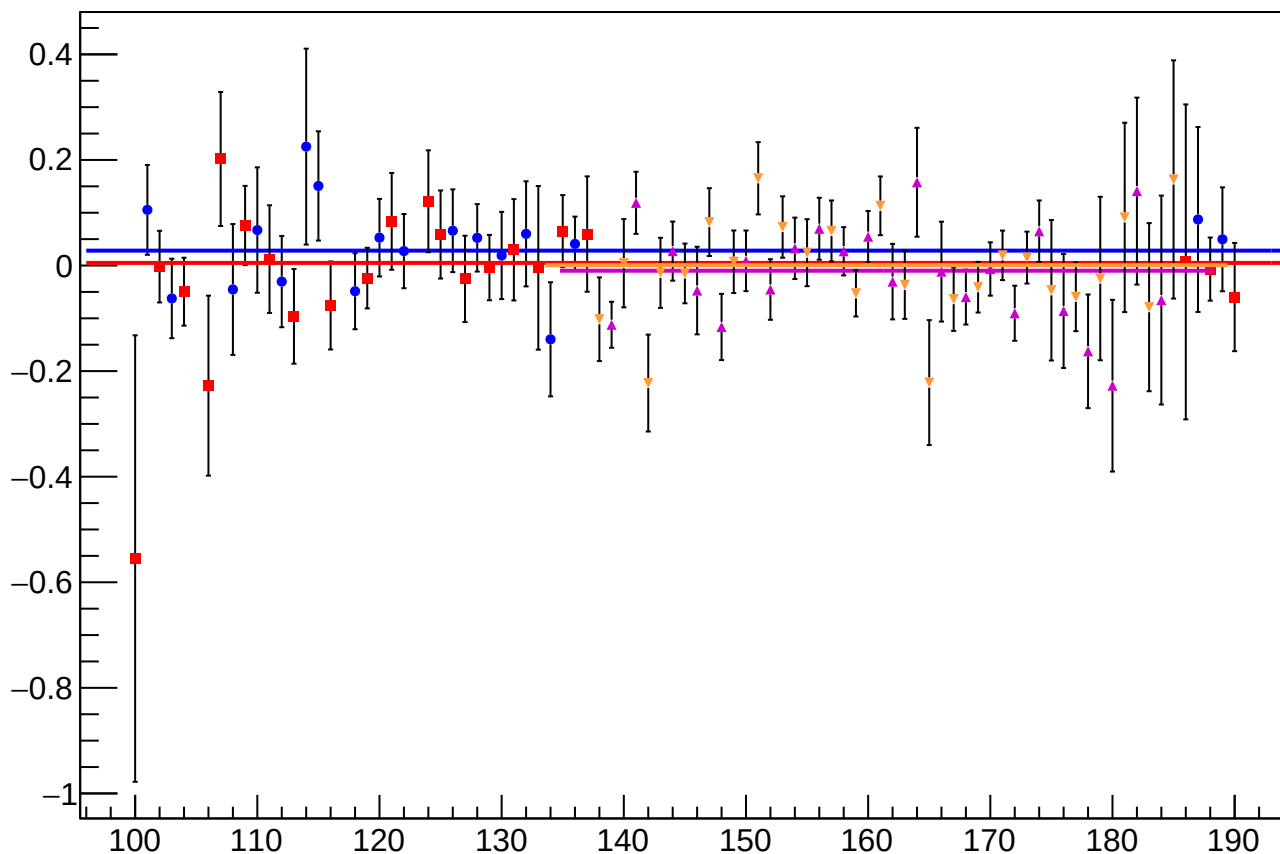
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 3955310.5/22

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 7377024.9/42

All: 0.003 $\pm$ 0.000 χ^2/NDF : 14795725.5/87

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 7396979.0/44

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028 $\pm$ 0.020 χ^2 /NDF: 10.1/17

Left Out: 0.001 $\pm$ 0.013 χ^2 /NDF:31.7/24

Right Out: 0.005 $\pm$ 0.018 χ^2 /NDF: 14.4/21

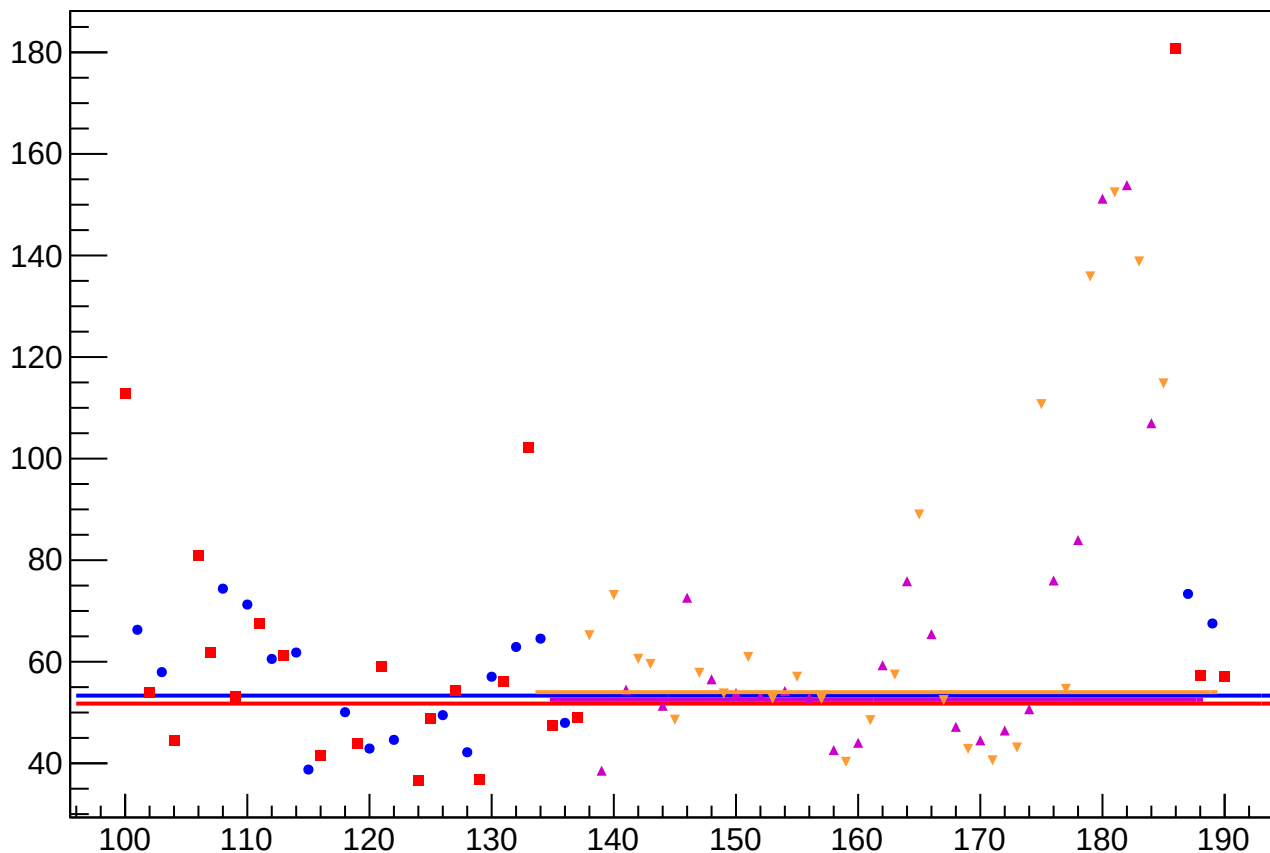
Left In: -0.010 $\pm$ 0.013 χ^2 /NDF:31.9/22

+ sign 0.009 $\pm$ 0.011 χ^2 /NDF: 43.1/42

All: 0.002 $\pm$ 0.008 χ^2 /NDF: 90.7/87

- sign -0.005 $\pm$ 0.011 χ^2 /NDF: 46.7/44

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 53.332 $\pm$ 0.014 χ^2 /NDF: 489532.0/17

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227569.4/24

Right Out: 51.759 $\pm$ 0.013 χ^2 /NDF: 1082877.5/21

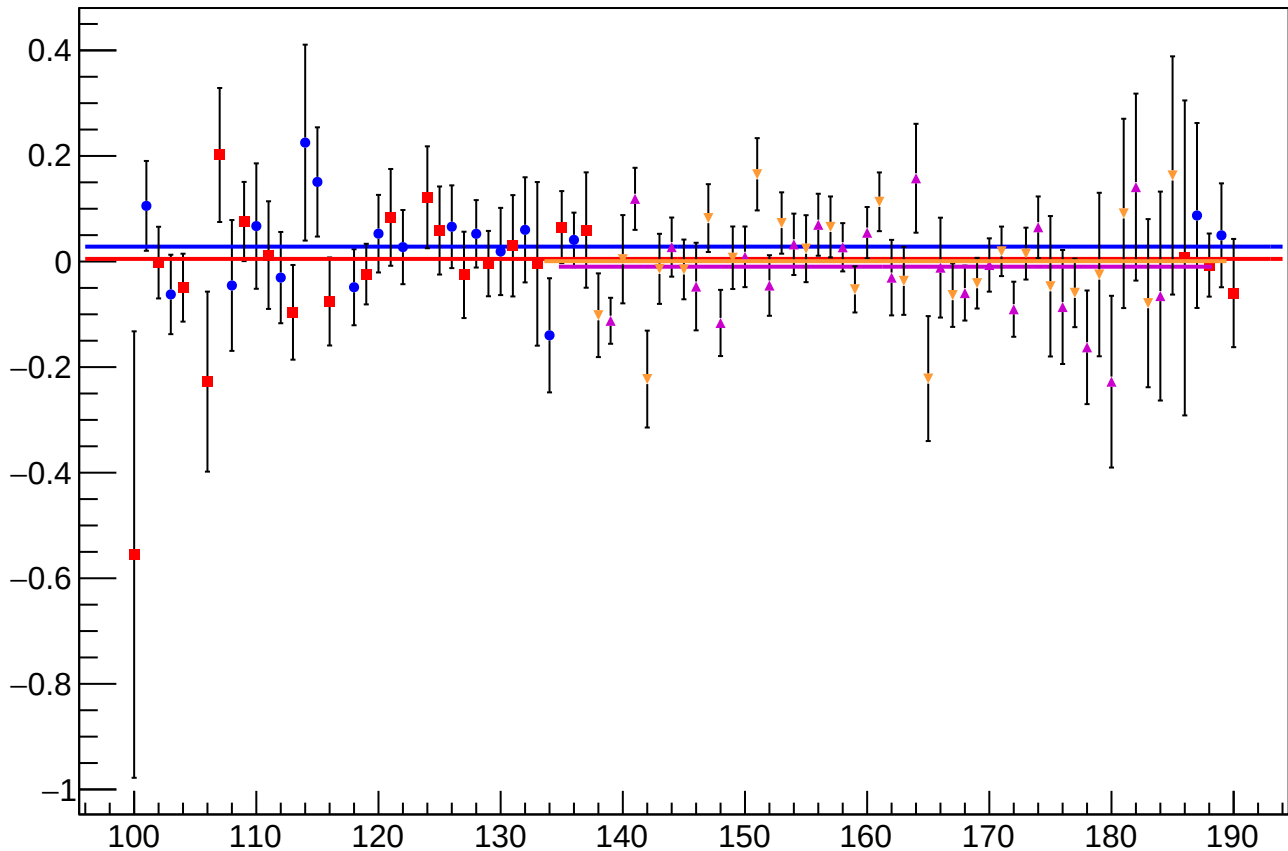
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557805.6/22

+ sign 53.804 $\pm$ 0.008 χ^2 /NDF: 3718739.1/42

All: 53.002 $\pm$ 0.005 χ^2 /NDF: 7382227.0/87

- sign 52.246 $\pm$ 0.008 χ^2 /NDF: 3642866.6/44

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028 ± 0.020 χ^2/NDF : 10.1/17

Left Out: 0.001 ± 0.013 χ^2/NDF : 31.7/24

Right Out: 0.005 ± 0.018 χ^2/NDF : 14.4/21

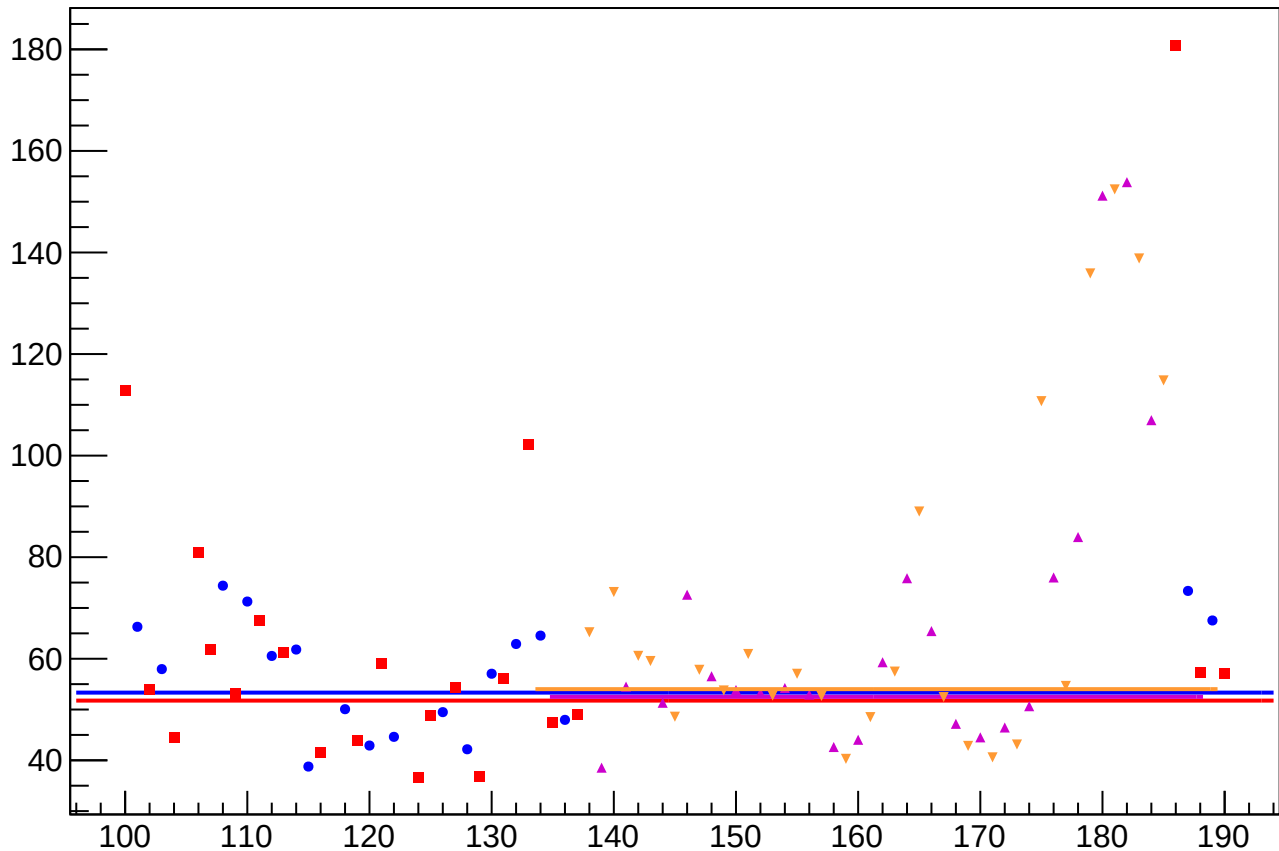
Left In: -0.010 ± 0.013 χ^2/NDF : 31.9/22

+ sign 0.009 ± 0.011 χ^2/NDF : 43.1/42

All: 0.002 ± 0.008 χ^2/NDF : 90.7/87

- sign -0.005 ± 0.011 χ^2/NDF : 46.7/44

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 53.332 $\pm$ 0.014 χ^2 /NDF: 489532.0/17

Left Out: 54.014 $\pm$ 0.009 χ^2 /NDF: 3227569.4/24

Right Out: 51.759 $\pm$ 0.013 χ^2 /NDF: 1082877.5/21

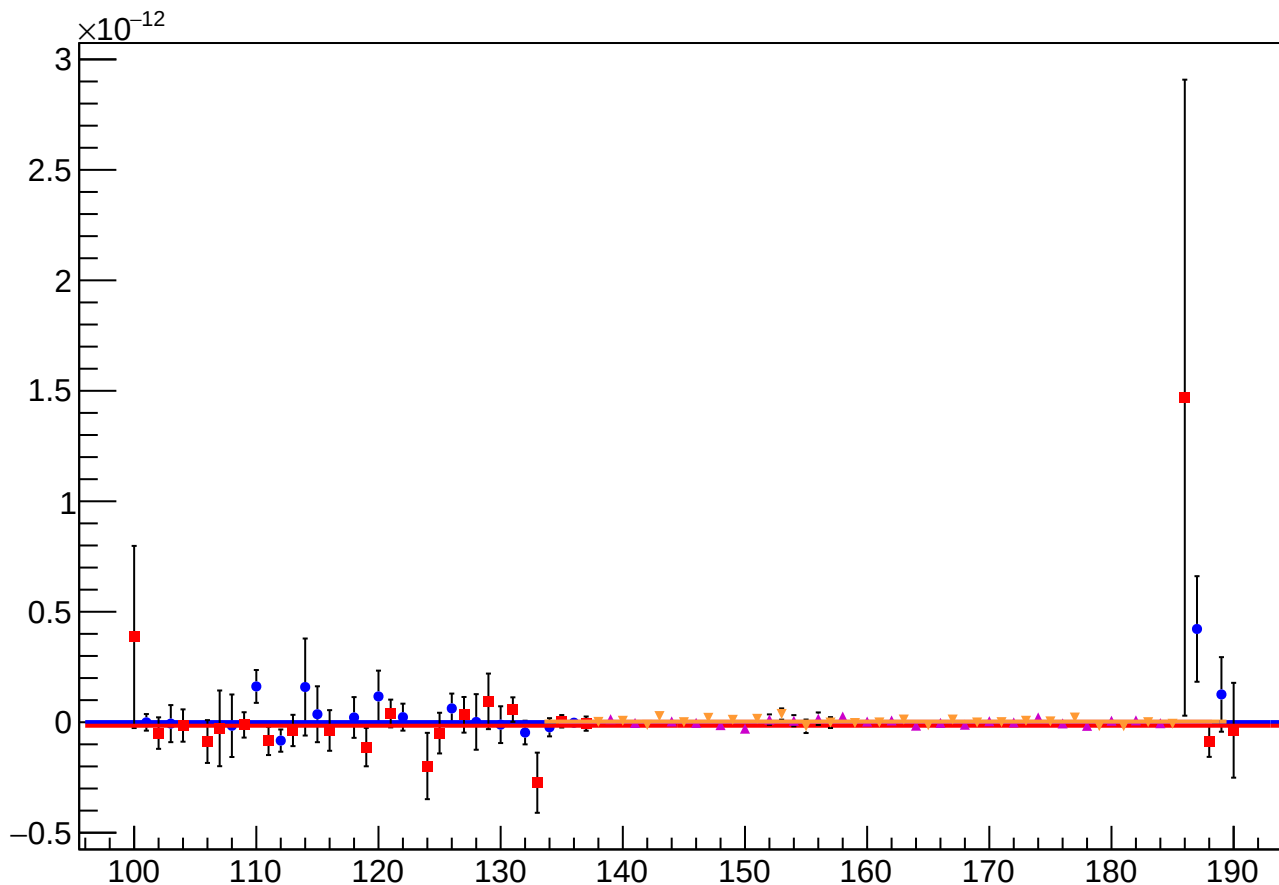
Left In: 52.502 $\pm$ 0.009 χ^2 /NDF: 2557805.6/22

+ sign 53.804 $\pm$ 0.008 χ^2 /NDF: 3718739.1/42

All: 53.002 $\pm$ 0.005 χ^2 /NDF: 7382227.0/87

- sign 52.246 $\pm$ 0.008 χ^2 /NDF: 3642866.6/44

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:21.8/24

Right Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 15.7/21

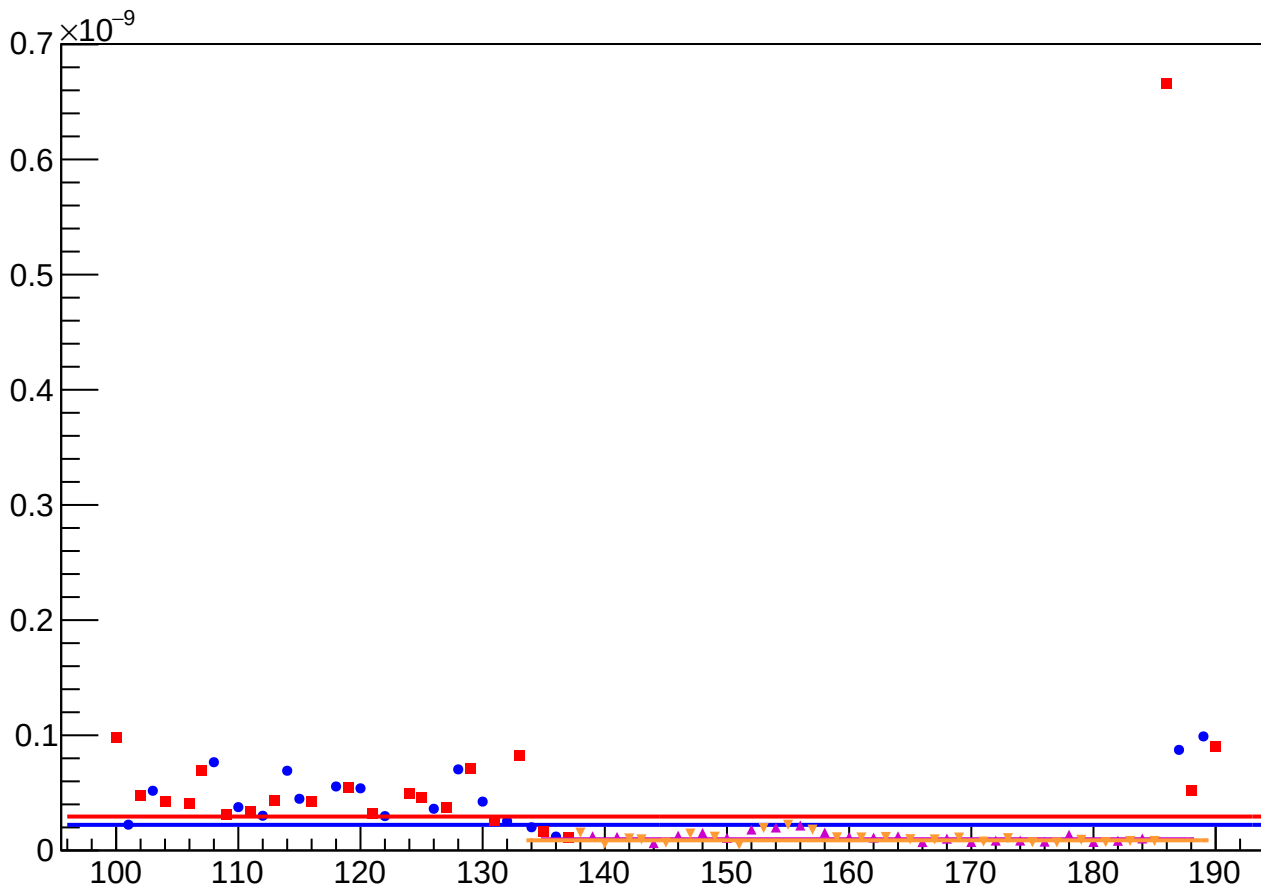
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:15.3/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 69.5/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32.5/44

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3089491.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 2517075.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3157273.5/21

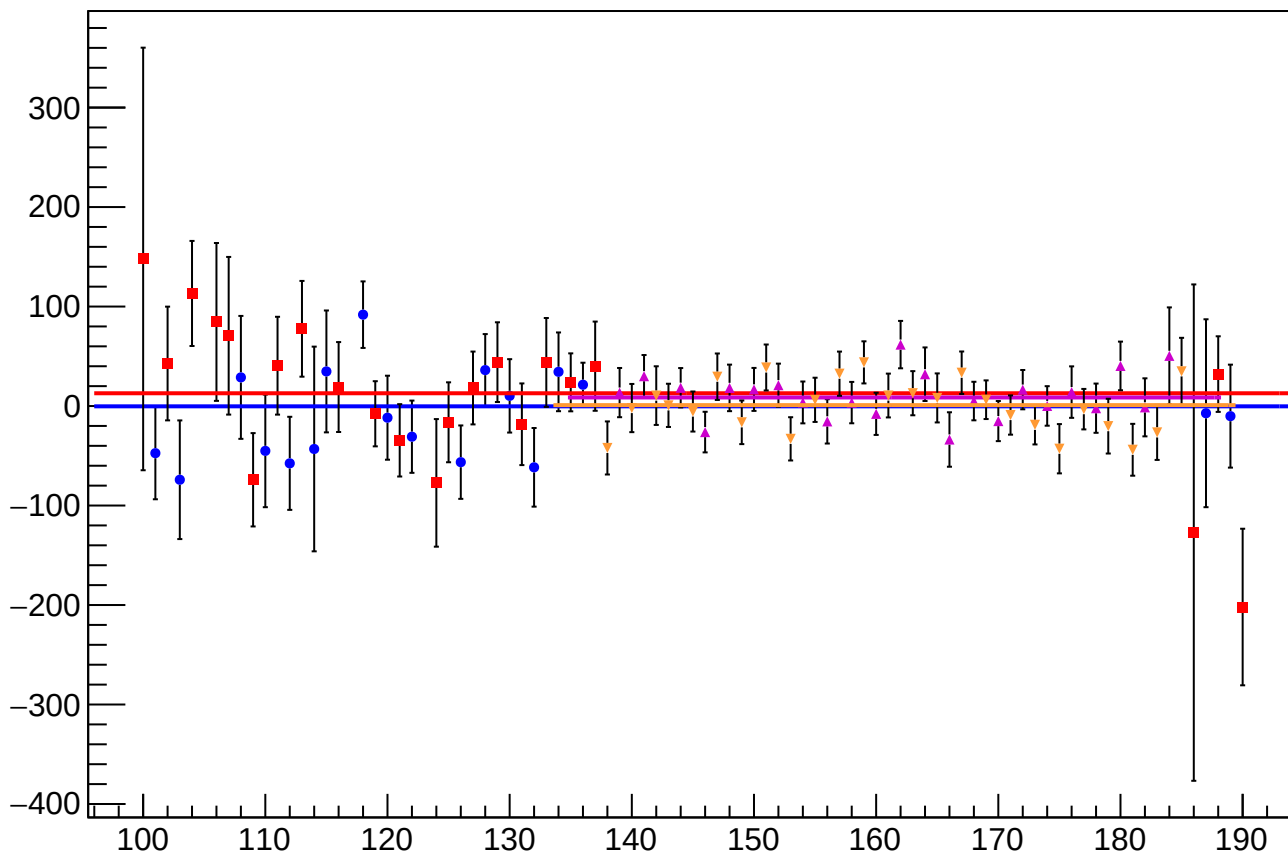
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2320113.6/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 8017416.7/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 17364451.4/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9189158.7/44

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.295 ± 9.810 χ^2/NDF : 21.4/17

Left Out: 0.917 ± 4.574 χ^2/NDF : 29.2/24

Right Out: 12.845 ± 9.826 χ^2/NDF : 26.0/21

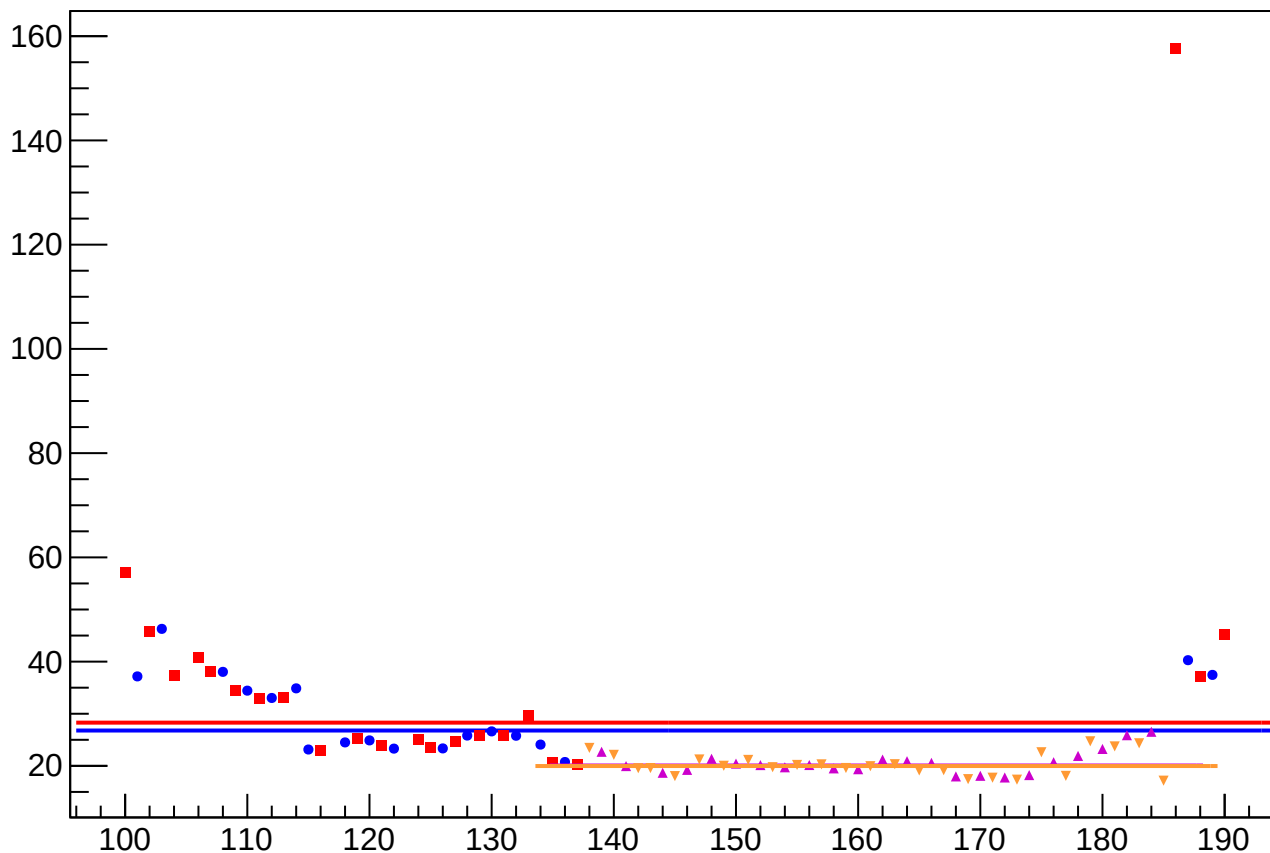
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign 0.700 ± 4.146 χ^2/NDF : 50.6/42

All: 4.933 ± 2.970 χ^2/NDF : 98.3/87

- sign 9.397 ± 4.257 χ^2/NDF : 45.5/44

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.782 $\pm$ 0.007 χ^2 /NDF: 808038.9/17

Left Out: 19.969 $\pm$ 0.003 χ^2 /NDF: 386763.9/24

Right Out: 28.295 $\pm$ 0.007 χ^2 /NDF: 1517437.6/21

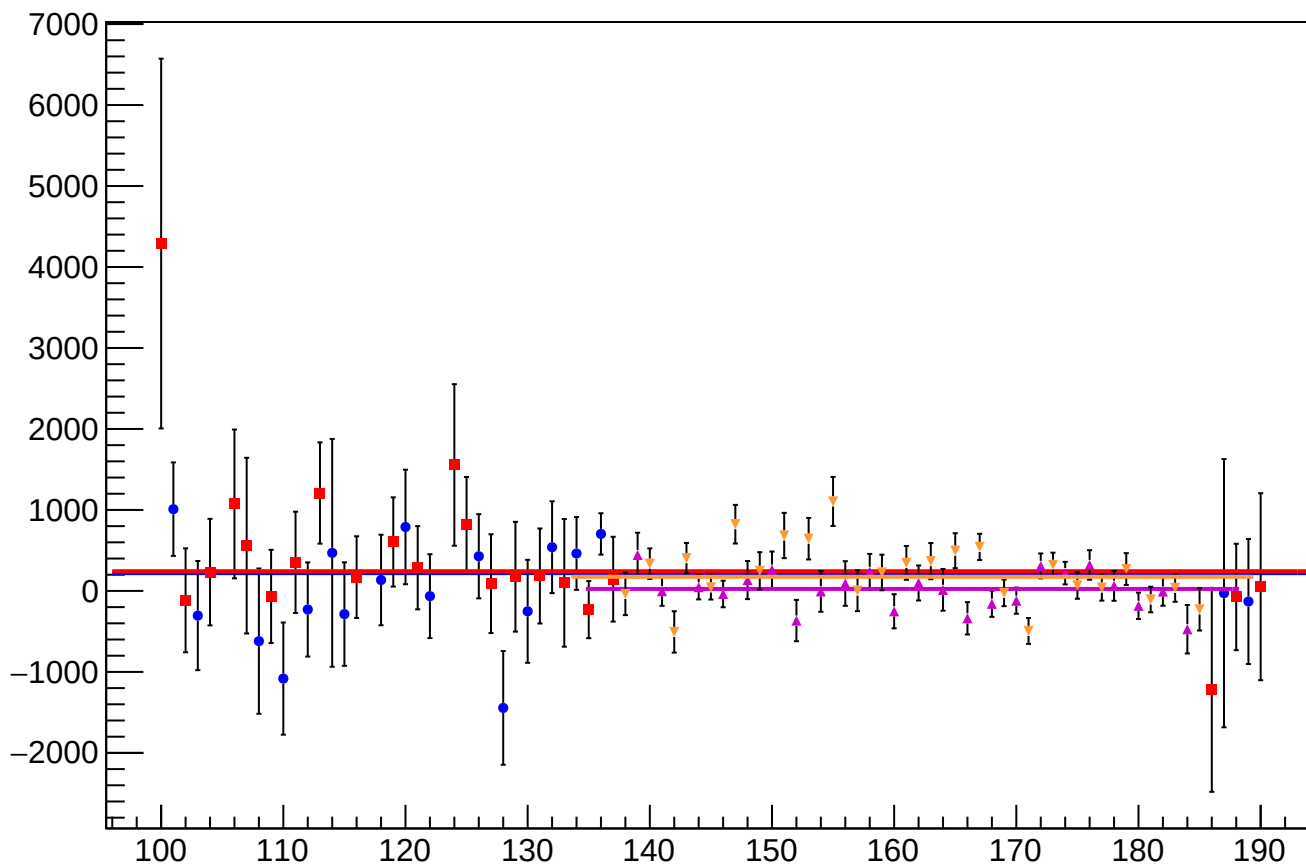
Left In: 20.072 $\pm$ 0.003 χ^2 /NDF: 301705.2/22

+ sign 21.185 $\pm$ 0.003 χ^2 /NDF: 1987286.3/42

All: 21.395 $\pm$ 0.002 χ^2 /NDF: 4954465.2/87

- sign 21.616 $\pm$ 0.003 χ^2 /NDF: 2956677.5/44

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 219.771 $\pm$ 132.436 χ^2 /NDF: 19.9/17

Left Out: 174.693 $\pm$ 39.049 χ^2 /NDF: 71.2/24

Right Out: 243.656 $\pm$ 135.153 χ^2 /NDF: 13.8/21

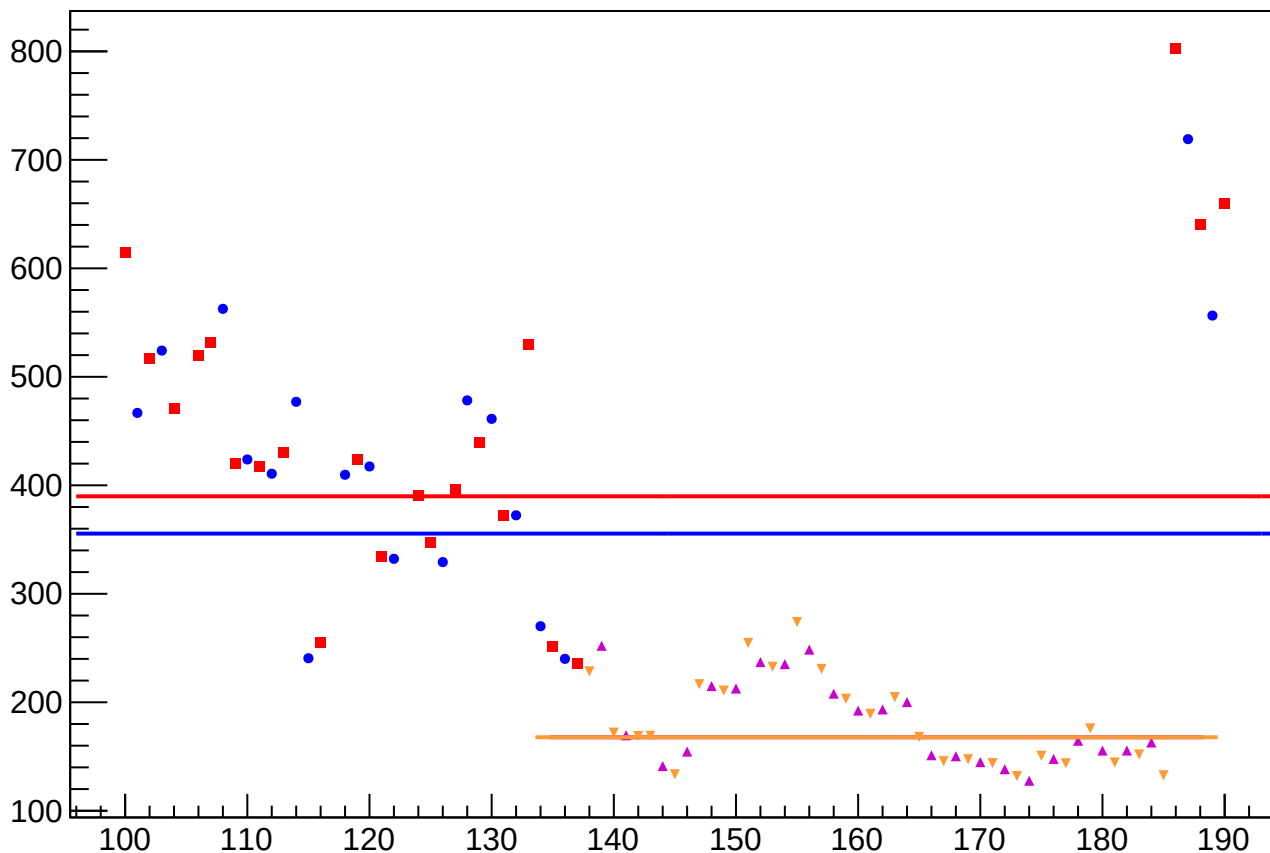
Left In: 24.589 $\pm$ 40.070 χ^2 /NDF: 26.9/22

+ sign 178.298 $\pm$ 37.455 χ^2 /NDF: 91.2/42

All: 112.019 $\pm$ 26.818 χ^2 /NDF: 140.7/87

- sign 42.289 $\pm$ 38.417 χ^2 /NDF: 43.1/44

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 355.505 $\pm$ 0.094 χ^2 /NDF: 1297760.0/17

Left Out: 167.754 $\pm$ 0.028 χ^2 /NDF: 1578232.9/24

Right Out: 389.859 $\pm$ 0.096 χ^2 /NDF: 1576942.5/21

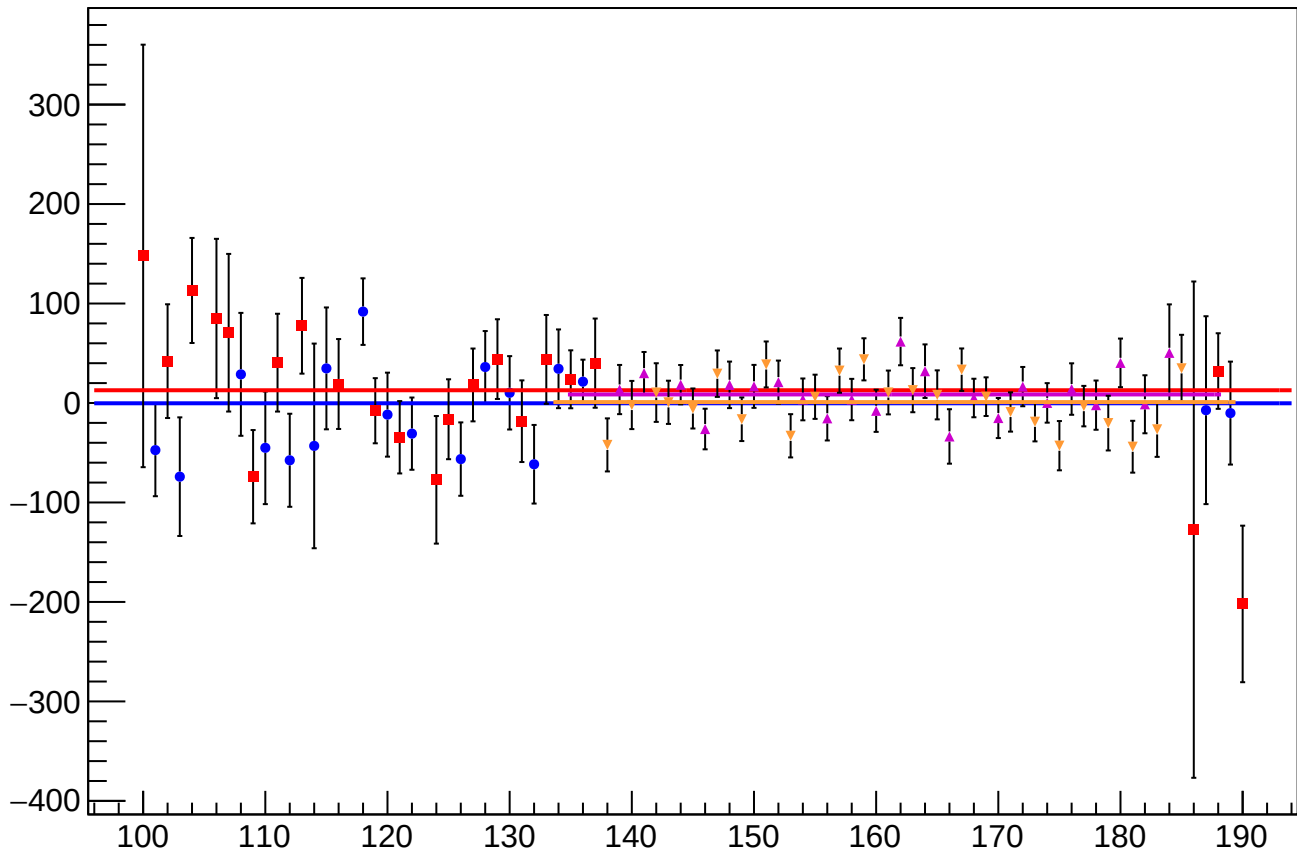
Left In: 167.748 $\pm$ 0.028 χ^2 /NDF: 1403124.0/22

+ sign 182.771 $\pm$ 0.026 χ^2 /NDF: 6574044.5/42

All: 184.196 $\pm$ 0.019 χ^2 /NDF: 14525149.8/87

- sign 185.694 $\pm$ 0.027 χ^2 /NDF: 7945169.4/44

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.293 ± 9.810 χ^2/NDF : 21.4/17

Left Out: 0.915 ± 4.574 χ^2/NDF : 29.2/24

Right Out: 12.806 ± 9.828 χ^2/NDF : 26.0/21

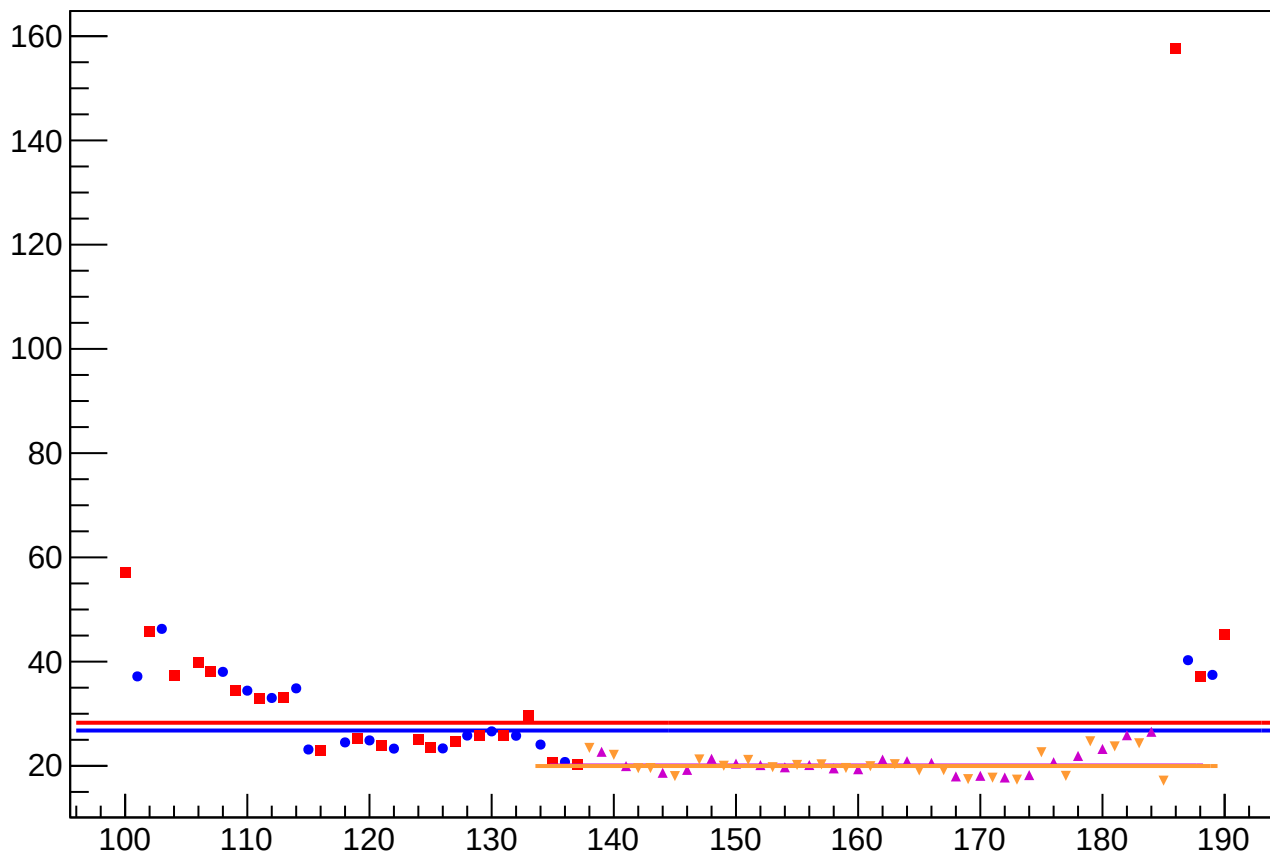
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign 0.699 ± 4.146 χ^2/NDF : 50.6/42

All: 4.929 ± 2.970 χ^2/NDF : 98.3/87

- sign 9.390 ± 4.257 χ^2/NDF : 45.5/44

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.782 $\pm$ 0.007 χ^2 /NDF: 808042.2/17

Left Out: 19.969 $\pm$ 0.003 χ^2 /NDF: 386763.9/24

Right Out: 28.275 $\pm$ 0.007 χ^2 /NDF: 1508641.3/21

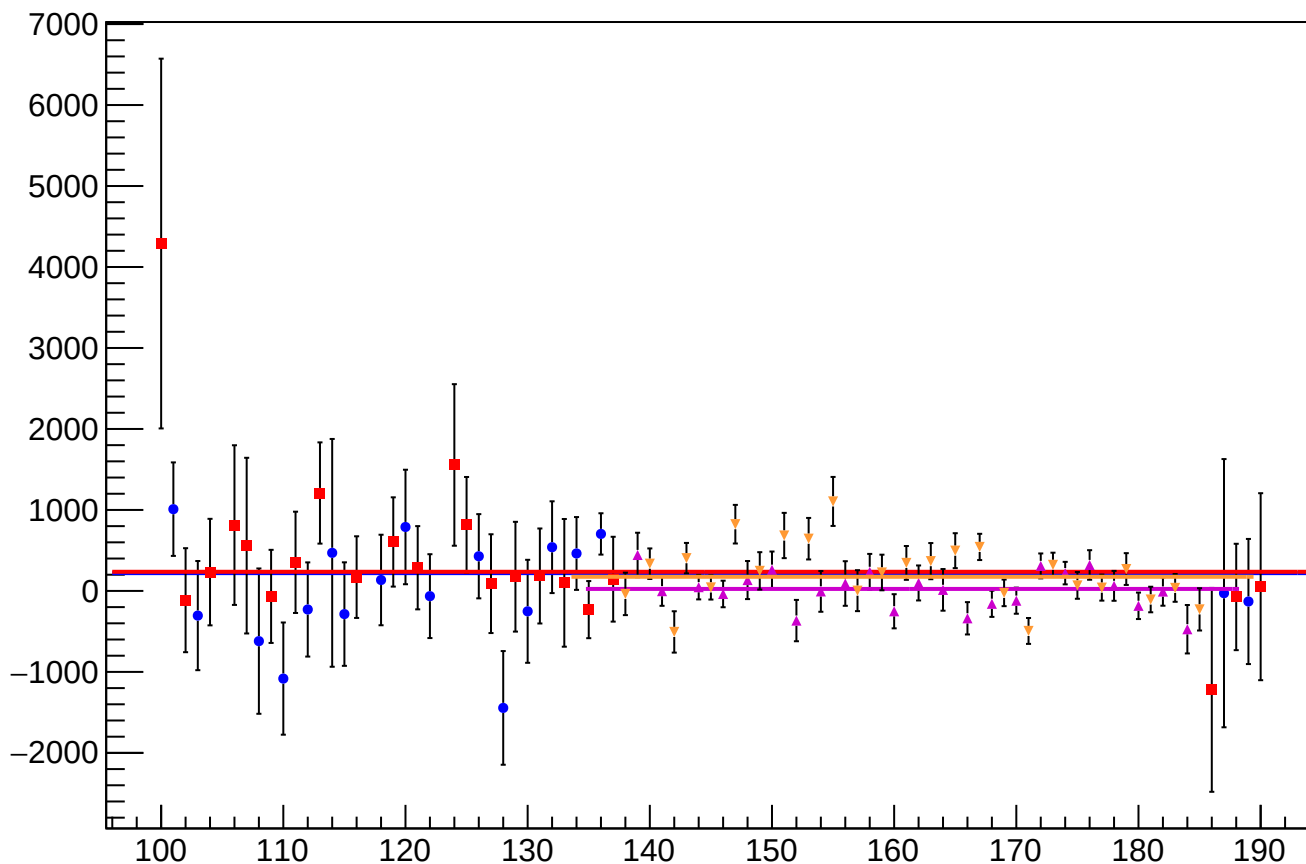
Left In: 20.072 $\pm$ 0.003 χ^2 /NDF: 301705.2/22

+ sign 21.185 $\pm$ 0.003 χ^2 /NDF: 1987289.6/42

All: 21.393 $\pm$ 0.002 χ^2 /NDF: 4939743.6/87

- sign 21.612 $\pm$ 0.003 χ^2 /NDF: 2942151.0/44

asym_sam_1357_2468_dd_cor_correction_mean vs Slug



Right In: 219.764 $\pm$ 132.436 χ^2 /NDF: 19.9/17

Left Out: 174.691 $\pm$ 39.049 χ^2 /NDF: 71.2/24

Right Out: 236.439 $\pm$ 135.349 χ^2 /NDF: 13.3/21

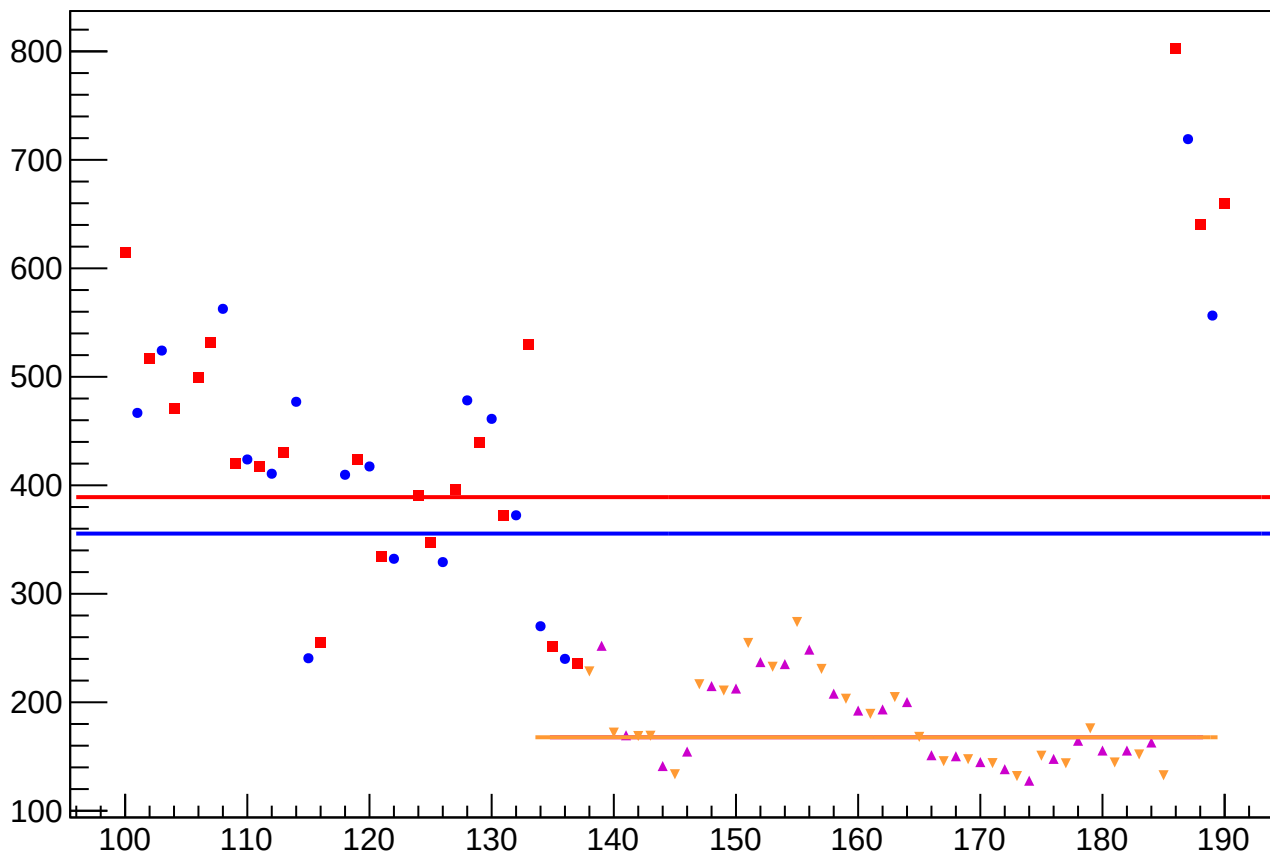
Left In: 24.590 $\pm$ 40.070 χ^2 /NDF: 26.9/22

+ sign 178.296 $\pm$ 37.455 χ^2 /NDF: 91.2/42

All: 111.720 $\pm$ 26.820 χ^2 /NDF: 140.1/87

- sign 41.661 $\pm$ 38.422 χ^2 /NDF: 42.4/44

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 355.505 $\pm$ 0.094 χ^2 /NDF: 1297787.7/17

Left Out: 167.754 $\pm$ 0.028 χ^2 /NDF: 1578231.3/24

Right Out: 389.110 $\pm$ 0.096 χ^2 /NDF: 1561802.0/21

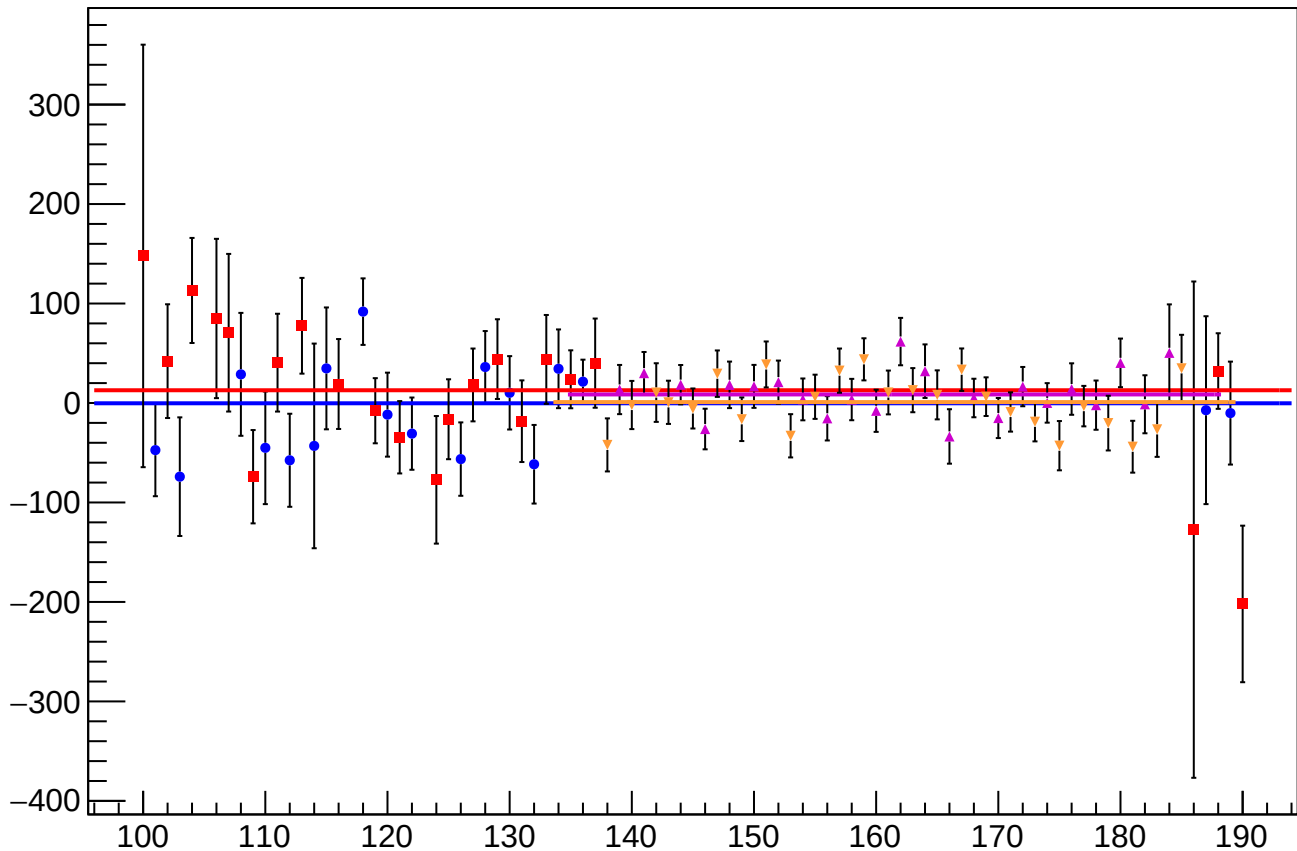
Left In: 167.748 $\pm$ 0.028 χ^2 /NDF: 1403120.1/22

+ sign 182.771 $\pm$ 0.026 χ^2 /NDF: 6574066.9/42

All: 184.143 $\pm$ 0.019 χ^2 /NDF: 14463052.0/87

- sign 185.586 $\pm$ 0.027 χ^2 /NDF: 7883479.9/44

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.293 ± 9.810 χ^2/NDF : 21.4/17

Left Out: 0.915 ± 4.574 χ^2/NDF : 29.2/24

Right Out: 12.806 ± 9.828 χ^2/NDF : 26.0/21

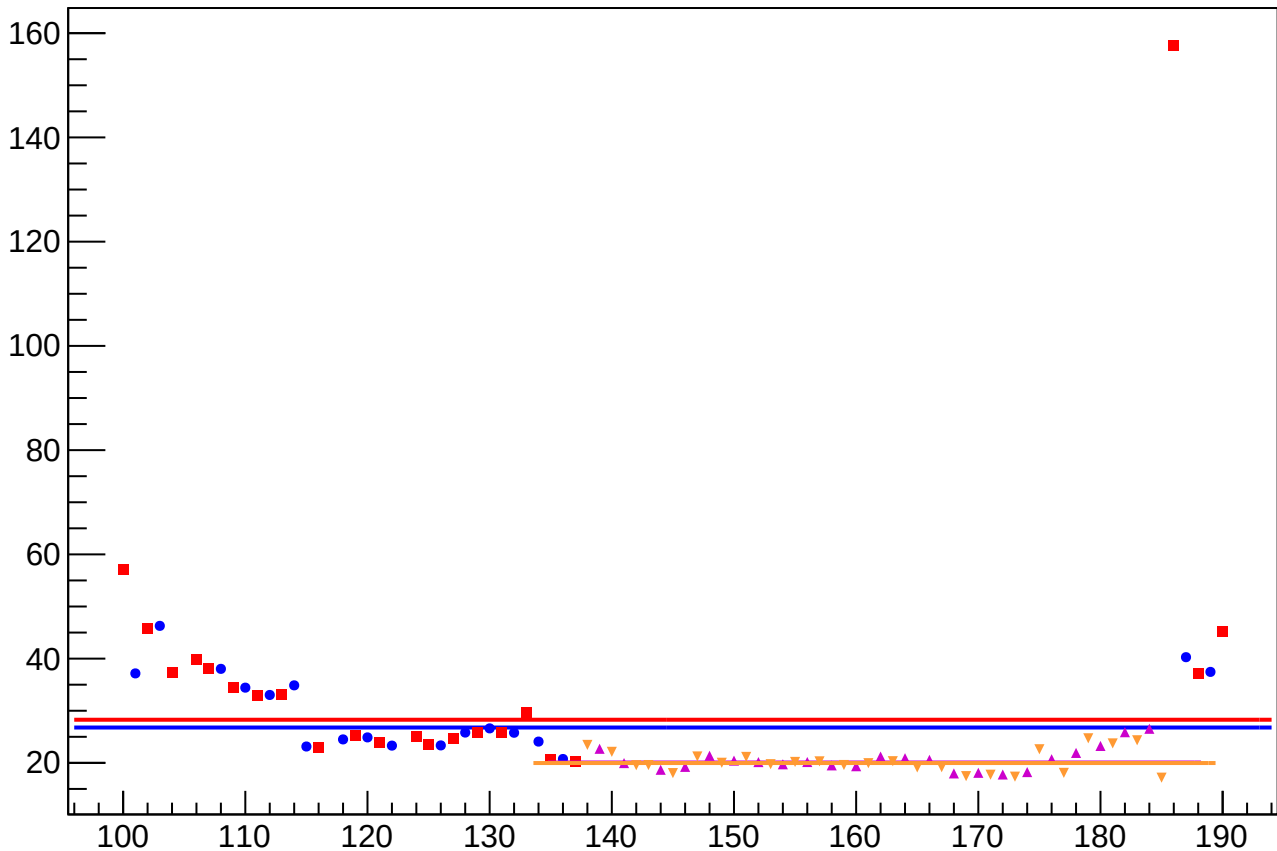
Left In: 8.600 ± 4.724 χ^2/NDF : 19.4/22

+ sign 0.699 ± 4.146 χ^2/NDF : 50.6/42

All: 4.929 ± 2.970 χ^2/NDF : 98.3/87

- sign 9.390 ± 4.257 χ^2/NDF : 45.5/44

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.782 $\pm$ 0.007 χ^2 /NDF: 808042.2/17

Left Out: 19.969 $\pm$ 0.003 χ^2 /NDF: 386763.9/24

Right Out: 28.275 $\pm$ 0.007 χ^2 /NDF: 1508641.3/21

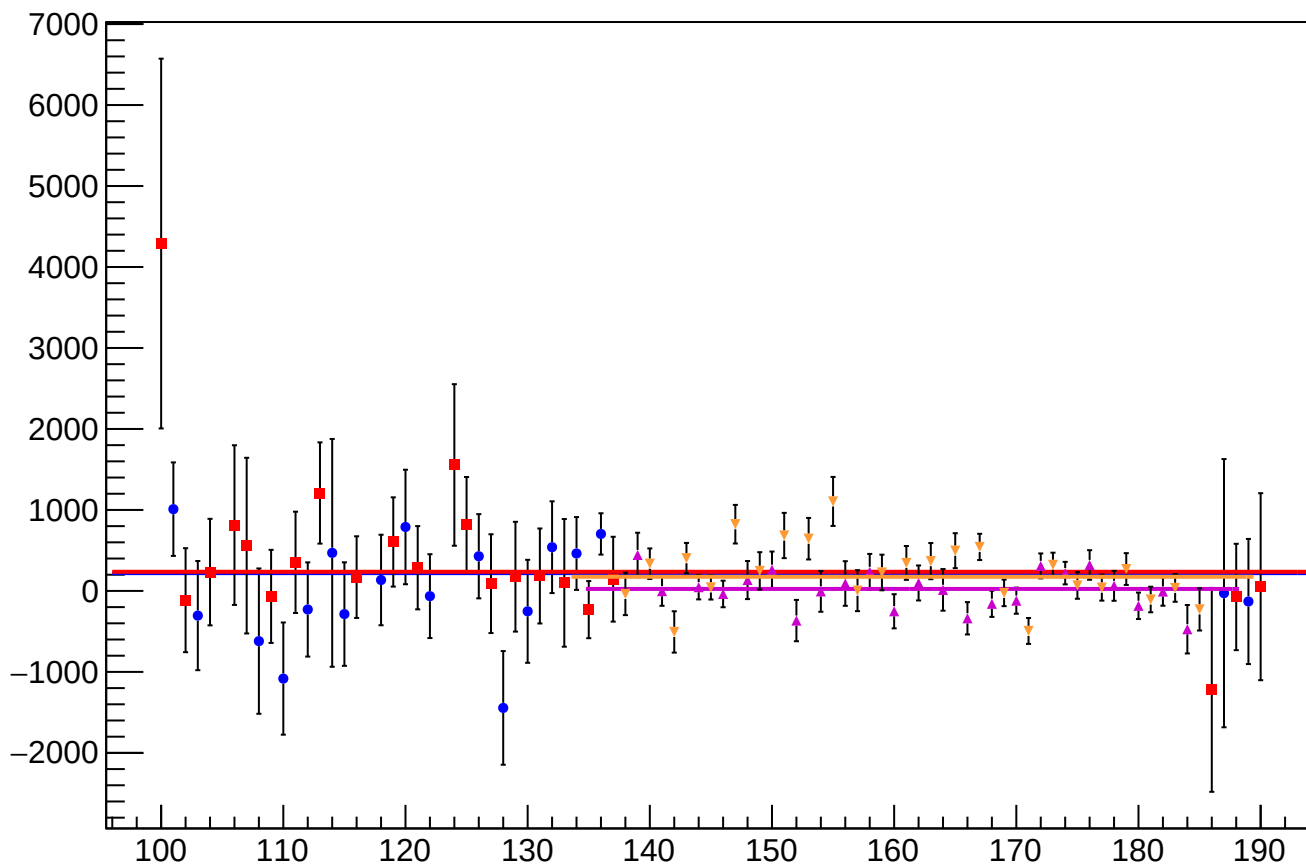
Left In: 20.072 $\pm$ 0.003 χ^2 /NDF: 301705.2/22

+ sign 21.185 $\pm$ 0.003 χ^2 /NDF: 1987289.6/42

All: 21.393 $\pm$ 0.002 χ^2 /NDF: 4939743.6/87

- sign 21.612 $\pm$ 0.003 χ^2 /NDF: 2942151.0/44

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug



Right In: 219.764 $\pm$ 132.436 χ^2 /NDF: 19.9/17

Left Out: 174.691 $\pm$ 39.049 χ^2 /NDF: 71.2/24

Right Out: 236.439 $\pm$ 135.349 χ^2 /NDF: 13.3/21

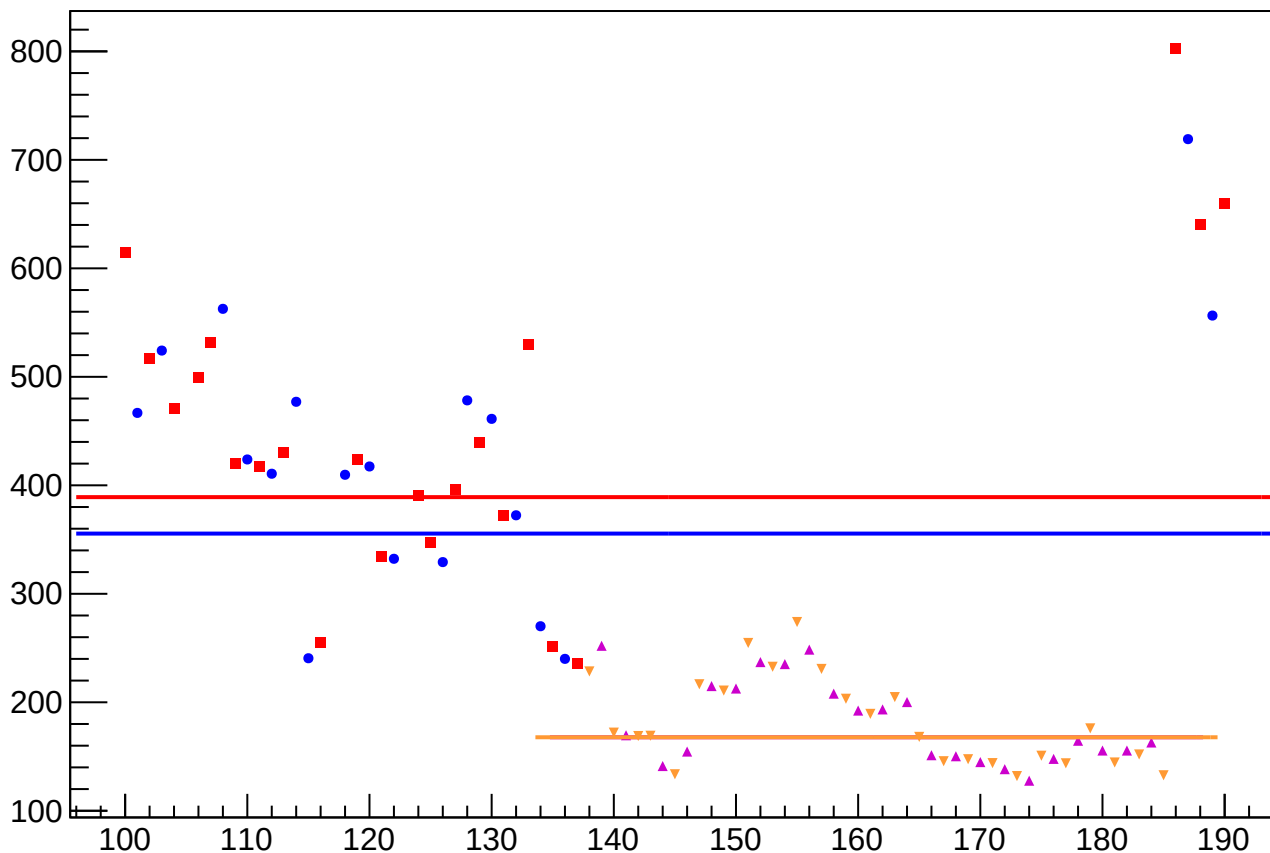
Left In: 24.590 $\pm$ 40.070 χ^2 /NDF: 26.9/22

+ sign 178.296 $\pm$ 37.455 χ^2 /NDF: 91.2/42

All: 111.720 $\pm$ 26.820 χ^2 /NDF: 140.1/87

- sign 41.661 $\pm$ 38.422 χ^2 /NDF: 42.4/44

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug



Right In: 355.505 $\pm$ 0.094 χ^2 /NDF: 1297787.7/17

Left Out: 167.754 $\pm$ 0.028 χ^2 /NDF: 1578231.3/24

Right Out: 389.110 $\pm$ 0.096 χ^2 /NDF: 1561802.0/21

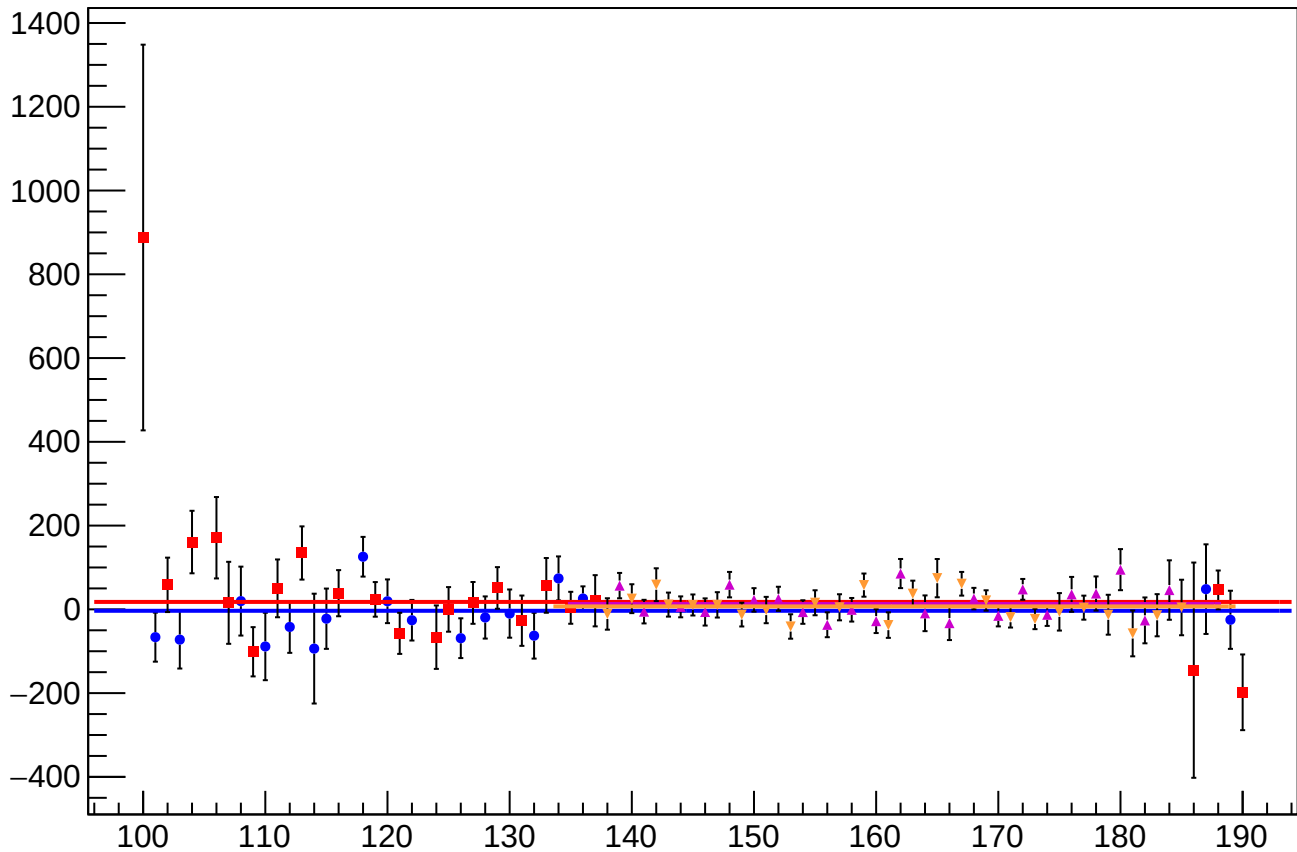
Left In: 167.748 $\pm$ 0.028 χ^2 /NDF: 1403120.1/22

+ sign 182.771 $\pm$ 0.026 χ^2 /NDF: 6574066.9/42

All: 184.143 $\pm$ 0.019 χ^2 /NDF: 14463052.0/87

- sign 185.586 $\pm$ 0.027 χ^2 /NDF: 7883479.9/44

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.415 ± 13.052 χ^2/NDF : 18.8/17

Left Out: 7.079 ± 6.333 χ^2/NDF : 22.7/24

Right Out: 17.754 ± 12.792 χ^2/NDF : 29.7/21

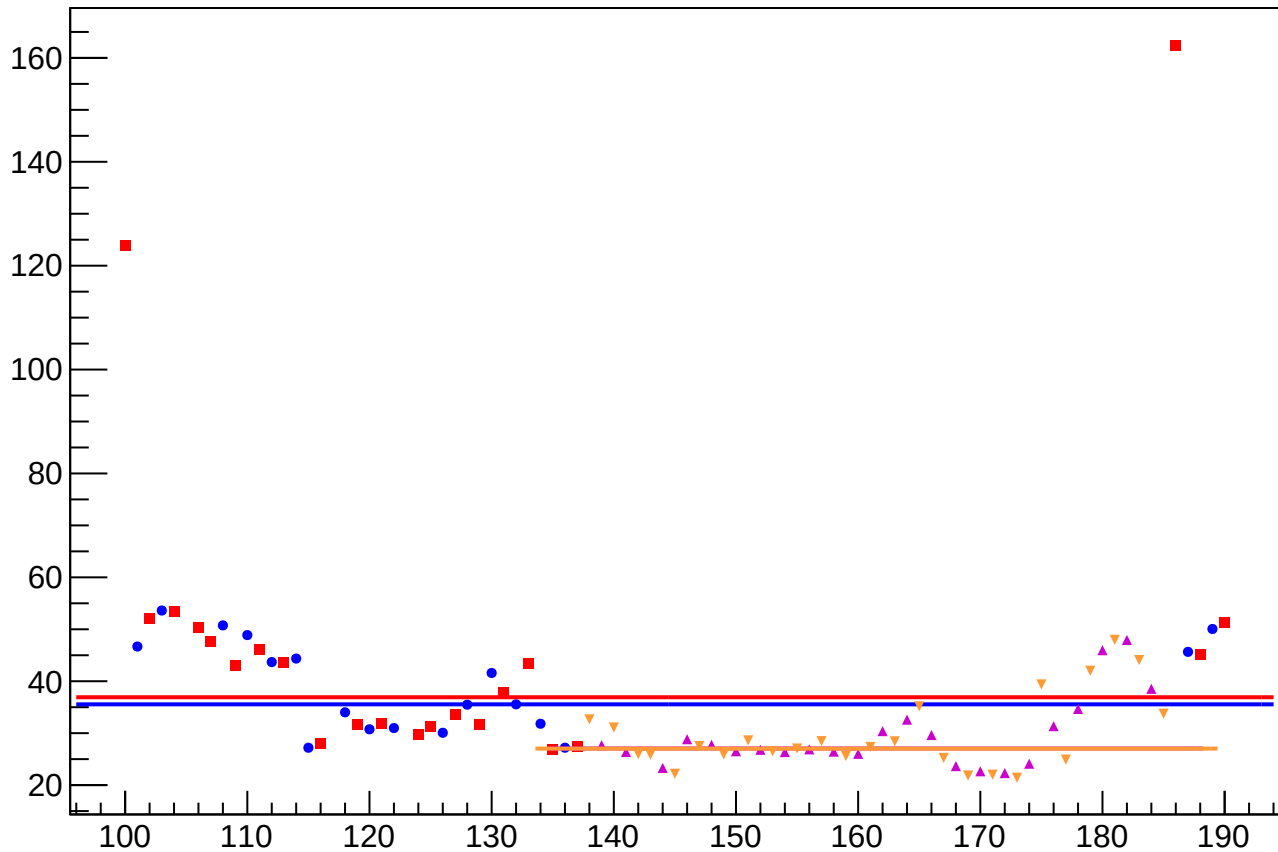
Left In: 12.697 ± 6.513 χ^2/NDF : 25.6/22

+ sign 5.079 ± 5.698 χ^2/NDF : 42.1/42

All: 9.328 ± 4.066 χ^2/NDF : 98.6/87

- sign 13.738 ± 5.804 χ^2/NDF : 55.4/44

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.549+/-0.009 χ^2/NDF : 768857.4/17

Left Out: 27.026+/-0.004 χ^2/NDF :1430523.7/24

Right Out: 36.915+/-0.009 χ^2/NDF : 1391013.4/21

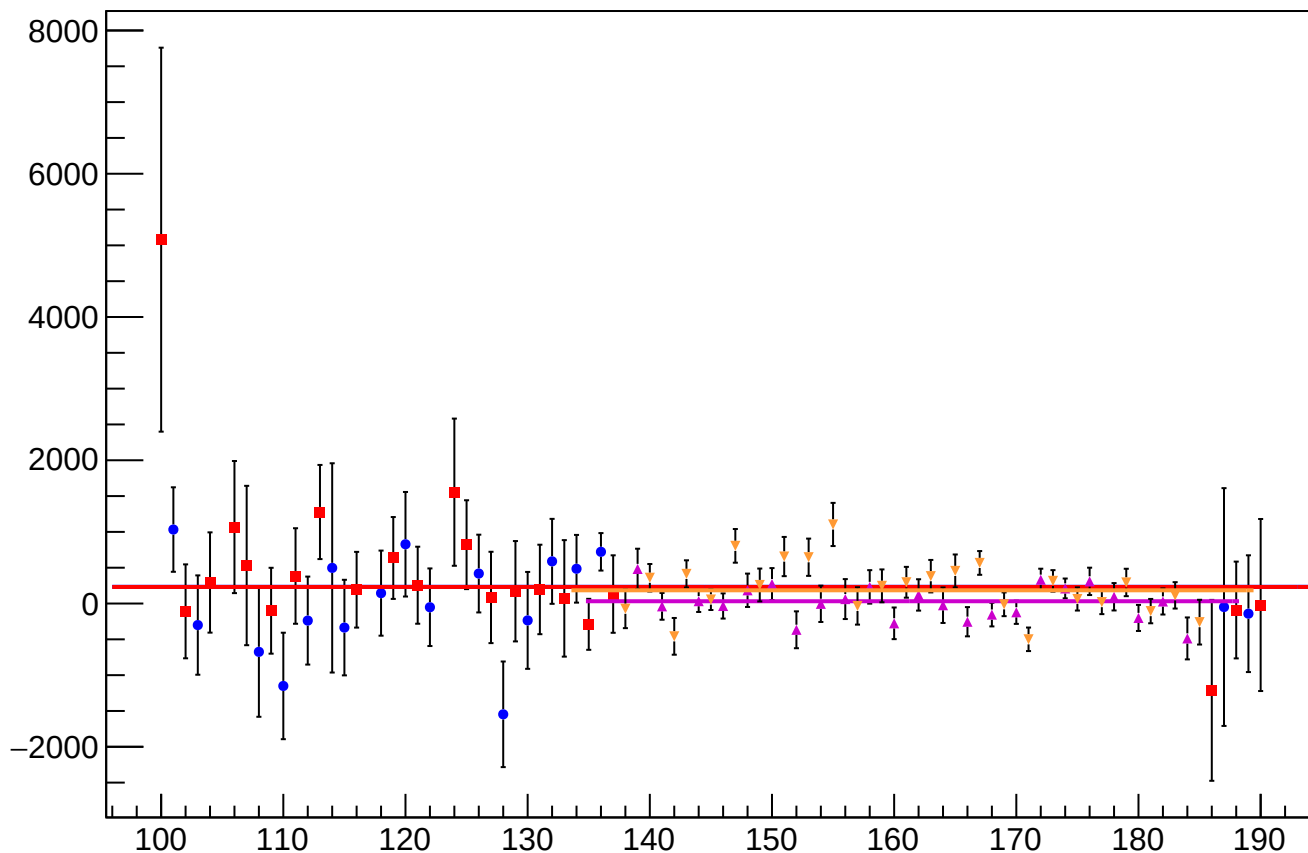
Left In: 27.052+/-0.005 χ^2/NDF :1044359.4/22

+ sign 28.651+/-0.004 χ^2/NDF : 2889702.1/42

All: 28.863+/-0.003 χ^2/NDF : 6274913.7/87

- sign 29.083+/-0.004 χ^2/NDF : 3379565.7/44

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 233.378 ± 137.766 χ^2/NDF : 20.0/17

Left Out: 184.675 ± 39.832 χ^2/NDF : 67.7/24

Right Out: 231.238 ± 140.192 χ^2/NDF : 14.3/21

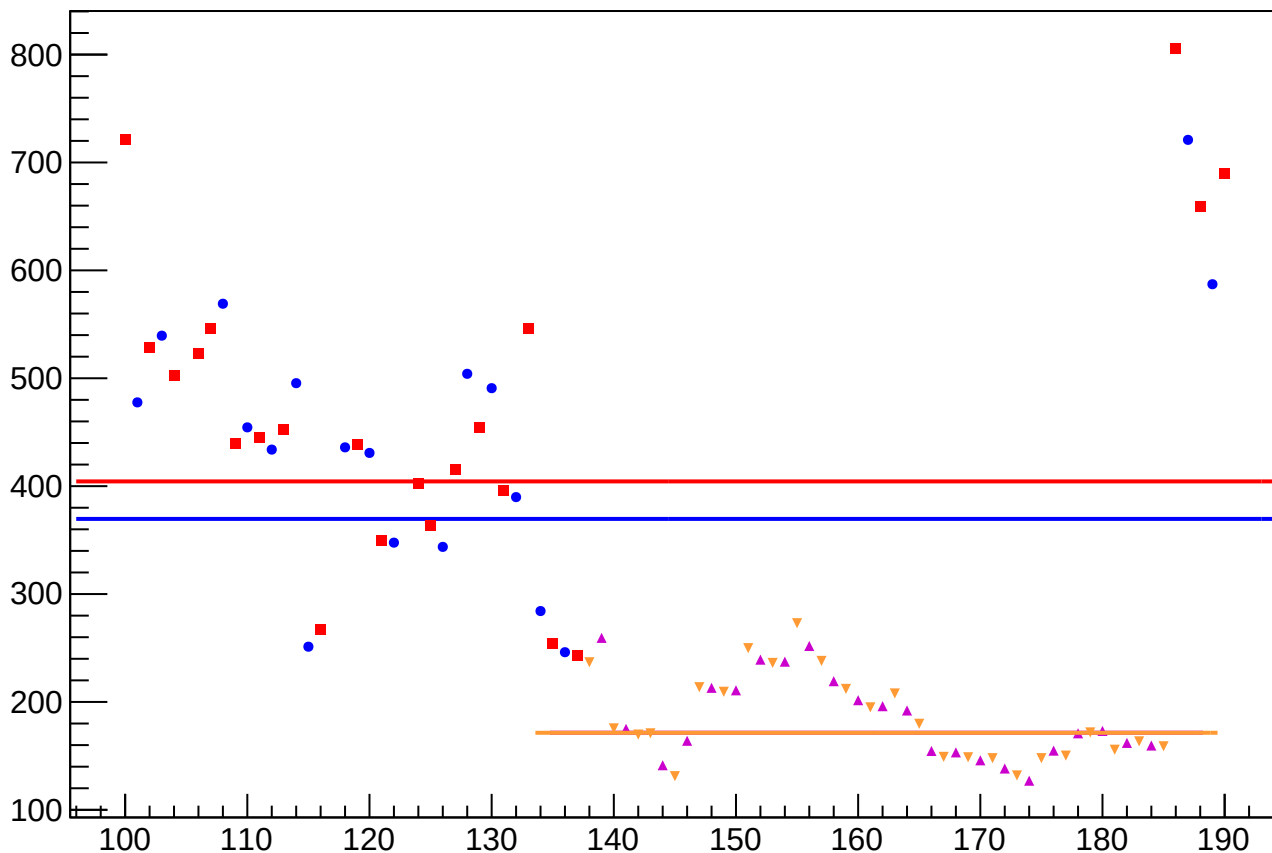
Left In: 31.891 ± 40.975 χ^2/NDF : 26.4/22

+ sign 188.432 ± 38.265 χ^2/NDF : 87.8/42

All: 119.939 ± 27.426 χ^2/NDF : 136.9/87

- sign 47.580 ± 39.329 χ^2/NDF : 42.5/44

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 369.644 +/- 0.097 χ^2/NDF : 1332936.5/17

Left Out: 171.427 +/- 0.028 χ^2/NDF : 1526852.0/24

Right Out: 404.403 +/- 0.099 χ^2/NDF : 1605149.7/21

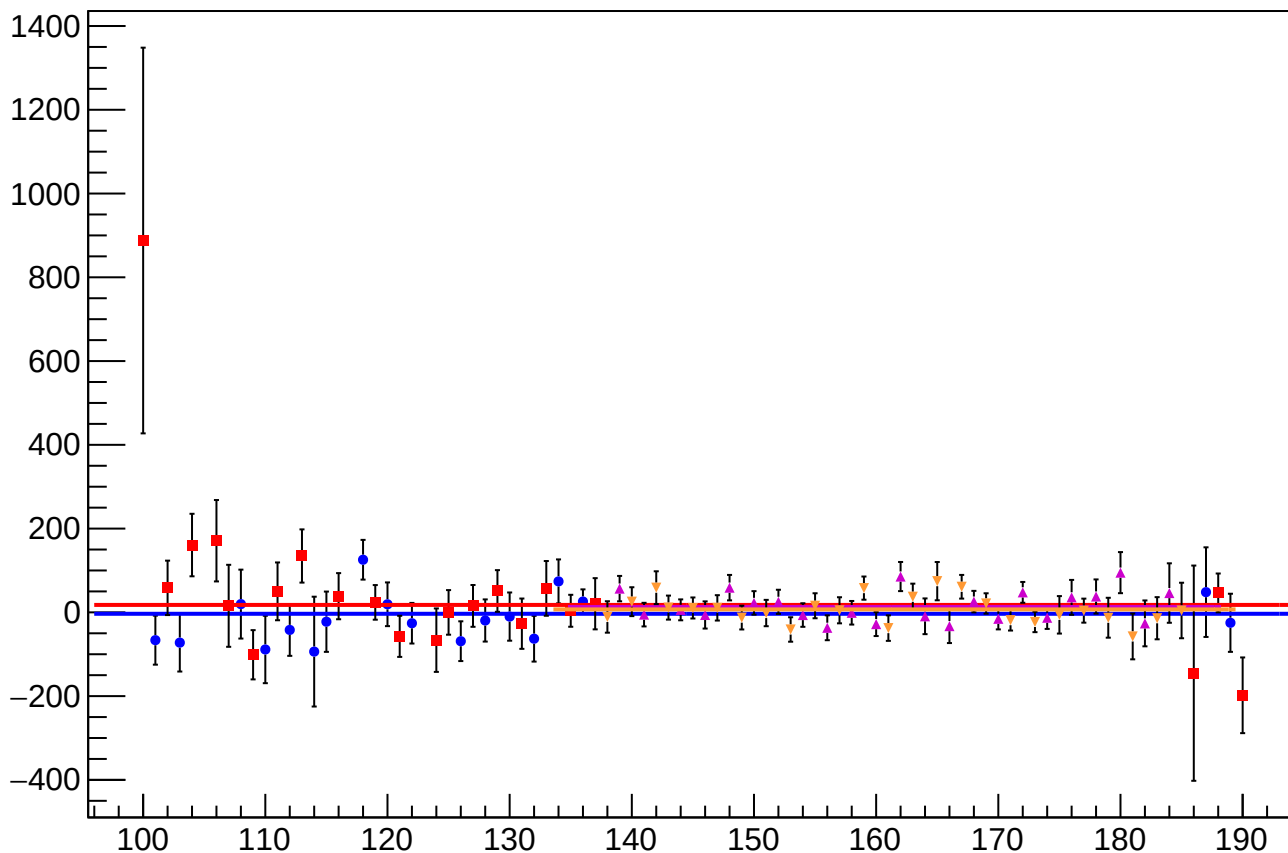
Left In: 171.490 +/- 0.029 χ^2/NDF : 1415769.4/22

+ sign 186.718 +/- 0.027 χ^2/NDF : 6680656.8/42

All: 188.227 +/- 0.019 χ^2/NDF : 14793865.4/87

- sign 189.821 +/- 0.028 χ^2/NDF : 8106816.5/44

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.416 ± 13.051 $\chi^2/\text{NDF}: 18.8/17$

Left Out: 7.079 ± 6.333 $\chi^2/\text{NDF}: 22.7/24$

Right Out: 17.754 ± 12.792 $\chi^2/\text{NDF}: 29.7/21$

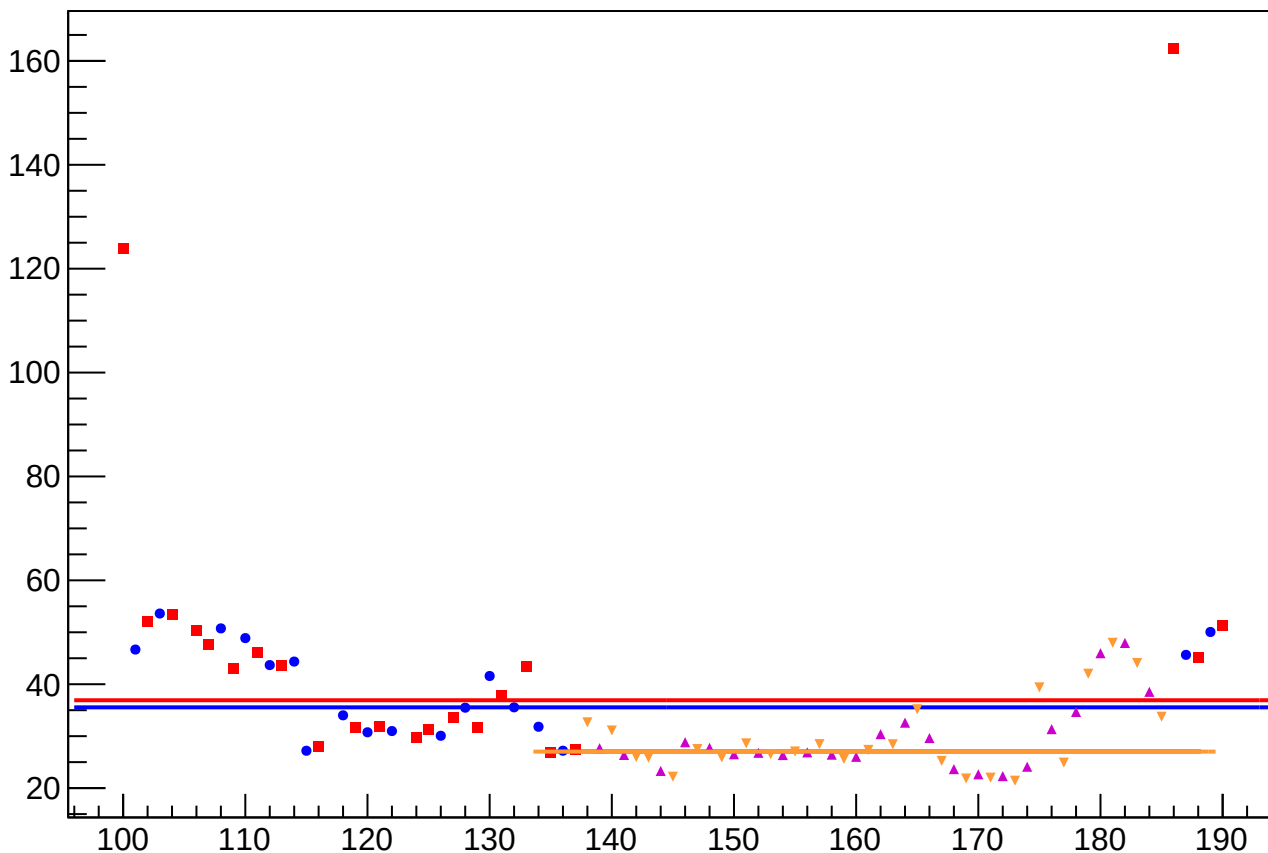
Left In: 12.697 ± 6.513 $\chi^2/\text{NDF}: 25.6/22$

+ sign 5.079 ± 5.698 $\chi^2/\text{NDF}: 42.0/42$

All: 9.328 ± 4.066 $\chi^2/\text{NDF}: 98.6/87$

- sign 13.738 ± 5.804 $\chi^2/\text{NDF}: 55.4/44$

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.549 $\pm$ 0.009 χ^2 /NDF: 768815.3/17

Left Out: 27.026 $\pm$ 0.004 χ^2 /NDF: 1430534.9/24

Right Out: 36.914 $\pm$ 0.009 χ^2 /NDF: 1390996.8/21

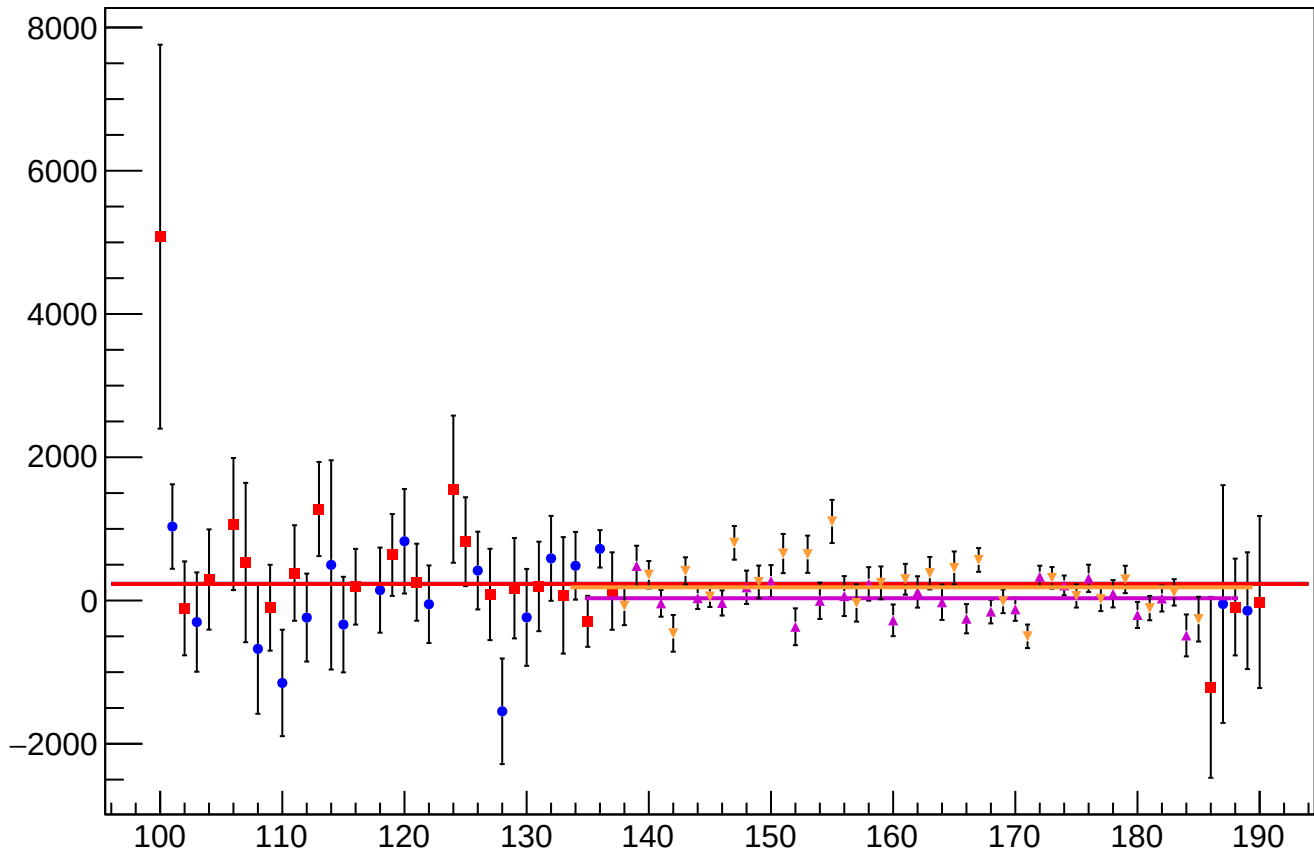
Left In: 27.052 $\pm$ 0.005 χ^2 /NDF: 1044338.2/22

+ sign 28.651 $\pm$ 0.004 χ^2 /NDF: 2889592.6/42

All: 28.863 $\pm$ 0.003 χ^2 /NDF: 6274695.4/87

- sign 29.083 $\pm$ 0.004 χ^2 /NDF: 3379457.3/44

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 233.376 ± 137.765 χ^2/NDF : 20.0/17

Left Out: 184.674 ± 39.832 χ^2/NDF : 67.7/24

Right Out: 231.238 ± 140.192 χ^2/NDF : 14.3/21

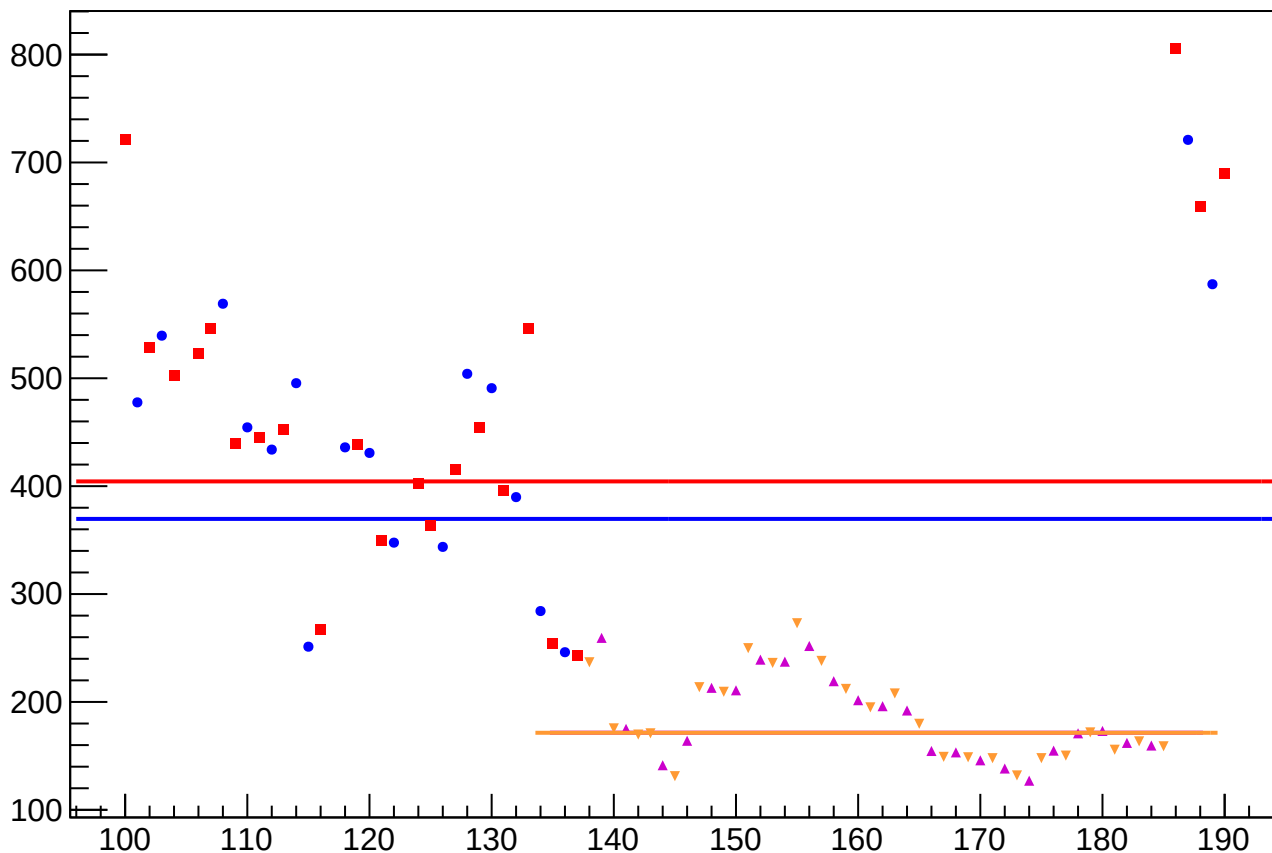
Left In: 31.891 ± 40.975 χ^2/NDF : 26.4/22

+ sign 188.431 ± 38.265 χ^2/NDF : 87.8/42

All: 119.938 ± 27.426 χ^2/NDF : 136.9/87

- sign 47.580 ± 39.329 χ^2/NDF : 42.5/44

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug



Right In: 369.643 $\pm$ 0.097 χ^2 /NDF: 1332929.4/17

Left Out: 171.426 $\pm$ 0.028 χ^2 /NDF:1526868.9/24

Right Out: 404.402 $\pm$ 0.099 χ^2 /NDF: 1605149.3/21

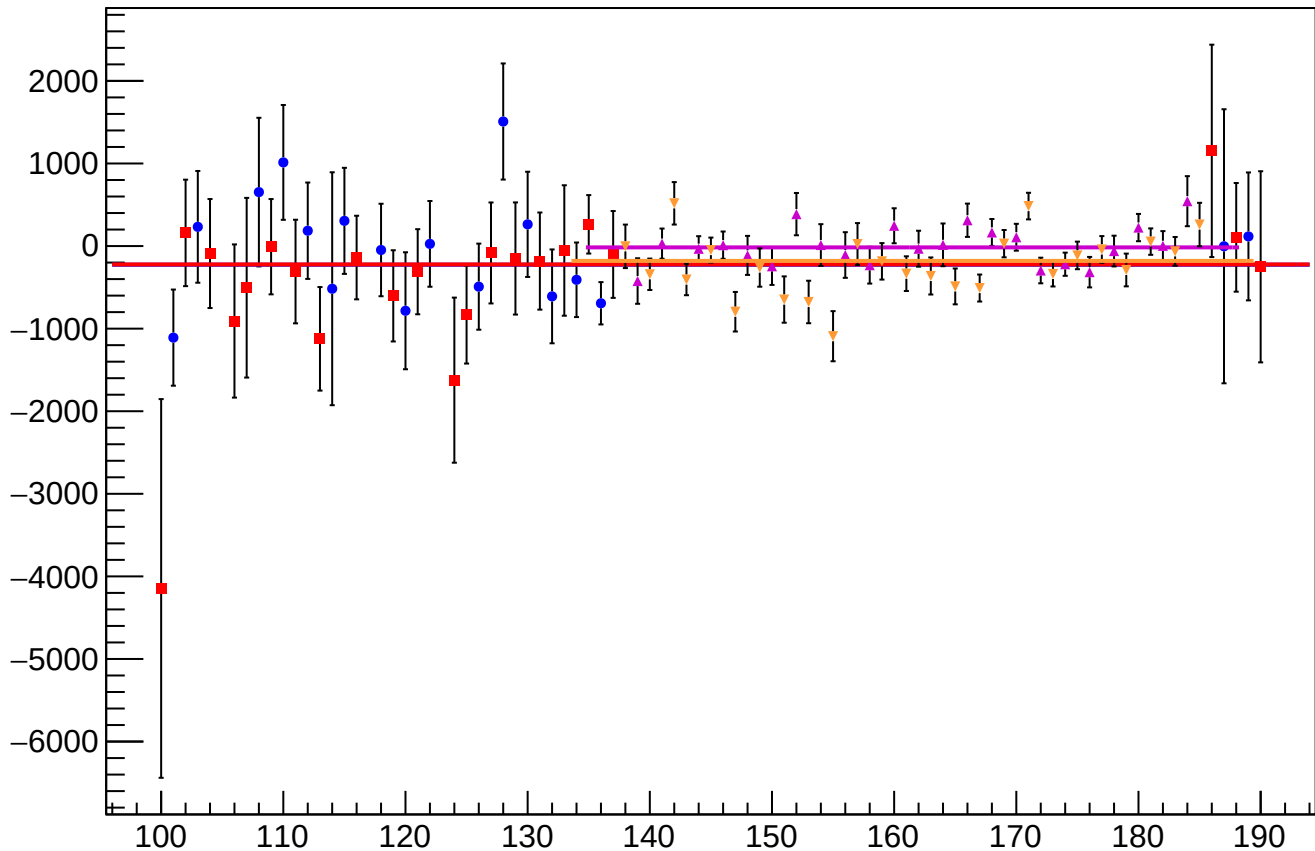
Left In: 171.489 $\pm$ 0.029 χ^2 /NDF:1415782.1/22

+ sign 186.718 $\pm$ 0.027 χ^2 /NDF: 6680673.5/42

All: 188.226 $\pm$ 0.019 χ^2 /NDF: 14793905.8/87

- sign 189.820 $\pm$ 0.028 χ^2 /NDF: 8106840.5/44

asym_sam_1357_2468_dd_mean vs Slug



Right In: -226.085 ± 132.900 χ^2/NDF : 20.2/17

Left Out: -179.656 ± 39.364 χ^2/NDF : 67.1/24

Right Out: -222.527 ± 135.605 χ^2/NDF : 13.1/21

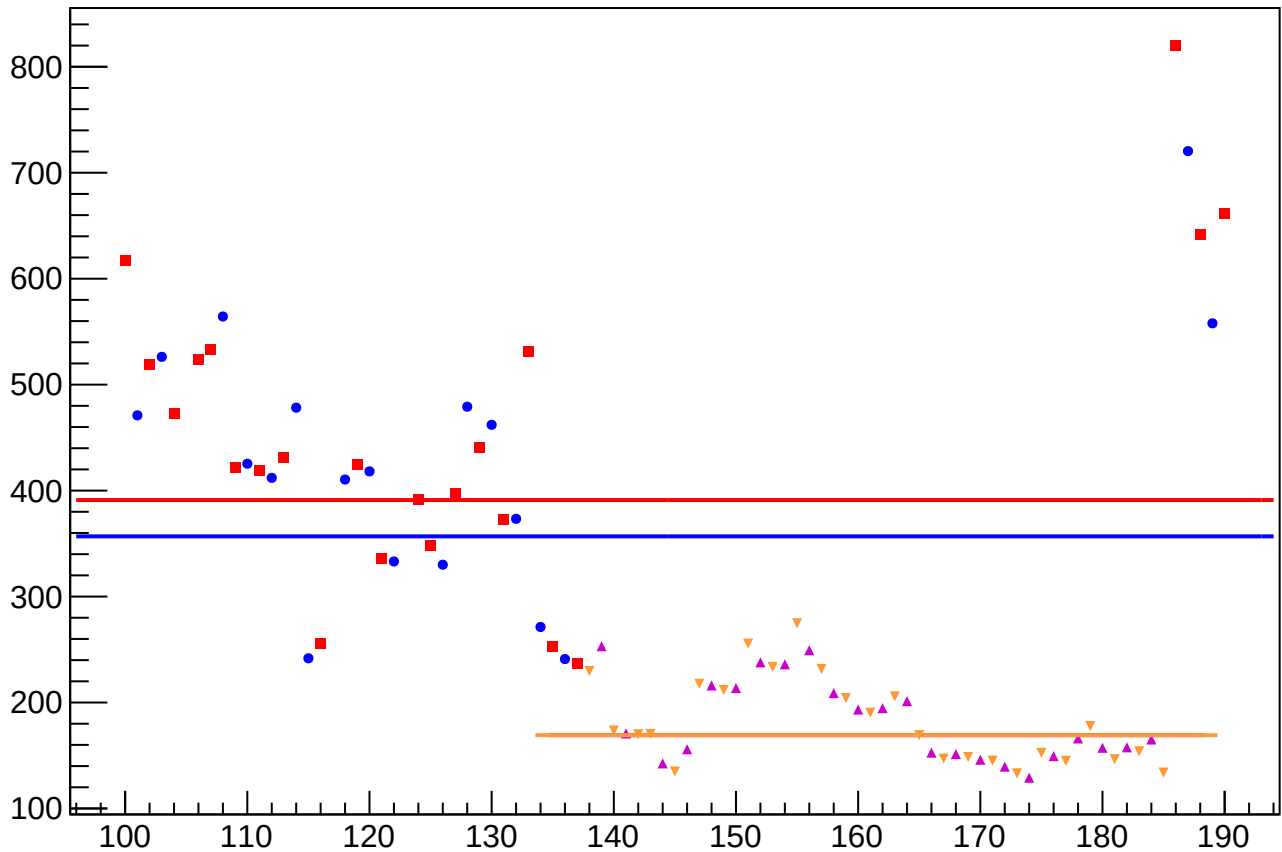
Left In: -16.057 ± 40.396 χ^2/NDF : 26.6/22

+ sign -183.400 ± 37.743 χ^2/NDF : 87.4/42

All: -110.057 ± 27.025 χ^2/NDF : 137.0/87

- sign -32.886 ± 38.715 χ^2/NDF : 41.9/44

asym_sam_1357_2468_dd_rms vs Slug



Right In: 356.812 $\pm$ 0.094 χ^2 /NDF: 1295655.8/17

Left Out: 169.182 $\pm$ 0.028 χ^2 /NDF: 1547748.9/24

Right Out: 391.087 $\pm$ 0.096 χ^2 /NDF: 1582051.3/21

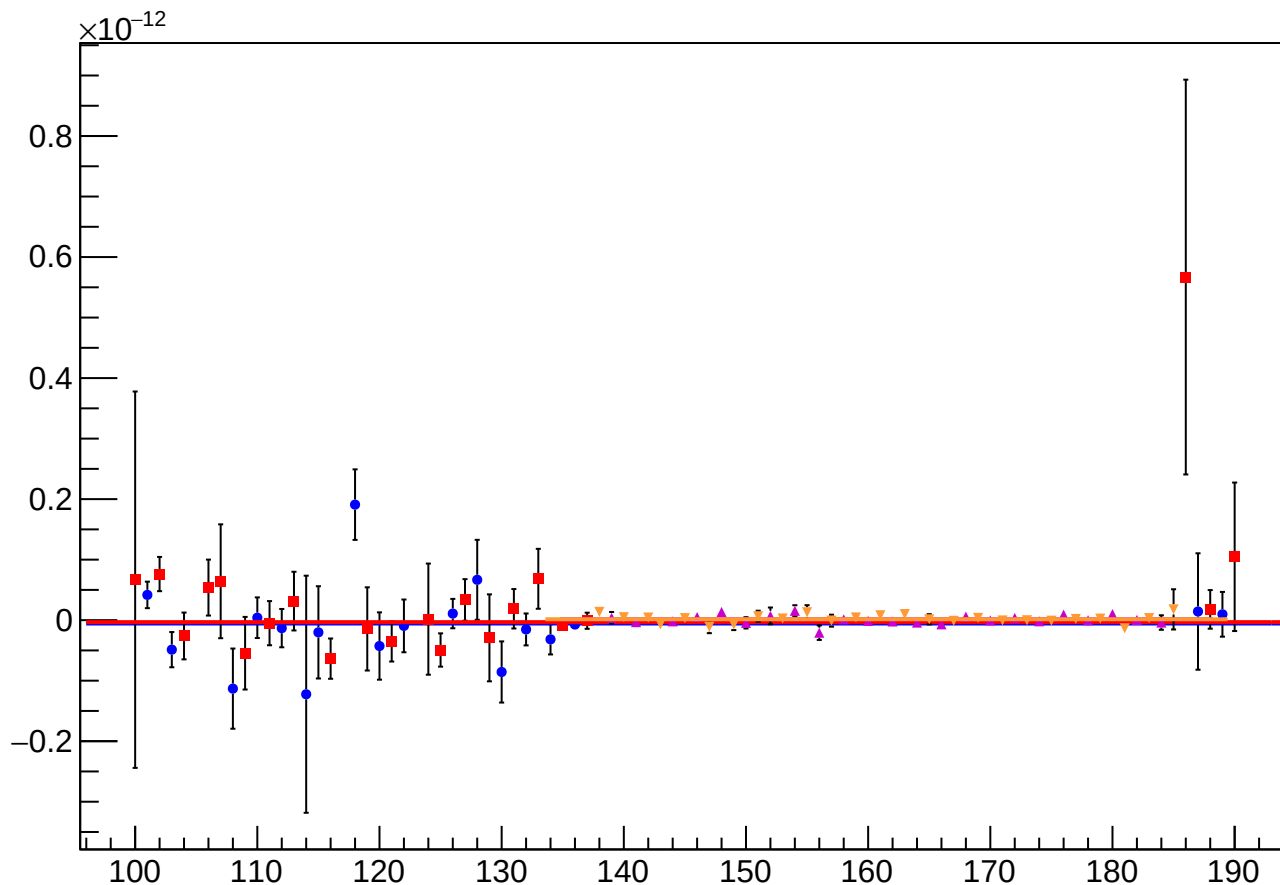
Left In: 169.187 $\pm$ 0.029 χ^2 /NDF: 1374439.5/22

+ sign 184.315 $\pm$ 0.027 χ^2 /NDF: 6508354.4/42

All: 185.757 $\pm$ 0.019 χ^2 /NDF: 14389734.7/87

- sign 187.274 $\pm$ 0.027 χ^2 /NDF: 7875389.3/44

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 27.5/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 18.8/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 27.3/21

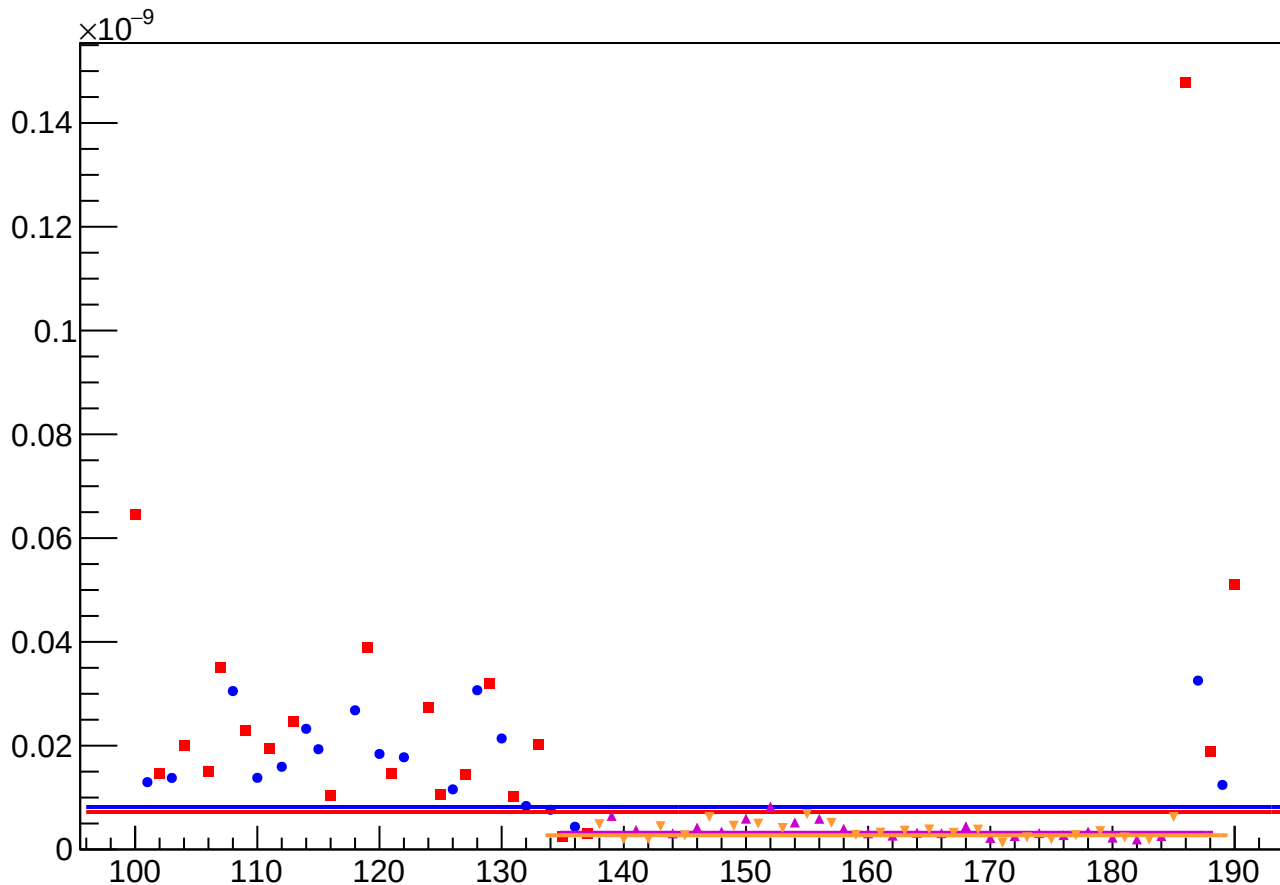
Left In: 0.000 ± 0.000 χ^2/NDF : 19.7/22

+ sign 0.000 ± 0.000 χ^2/NDF : 47.8/42

All: 0.000 ± 0.000 χ^2/NDF : 95.4/87

- sign 0.000 ± 0.000 χ^2/NDF : 47.6/44

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 2106531.1/17

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 1923193.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 4289713.7/21

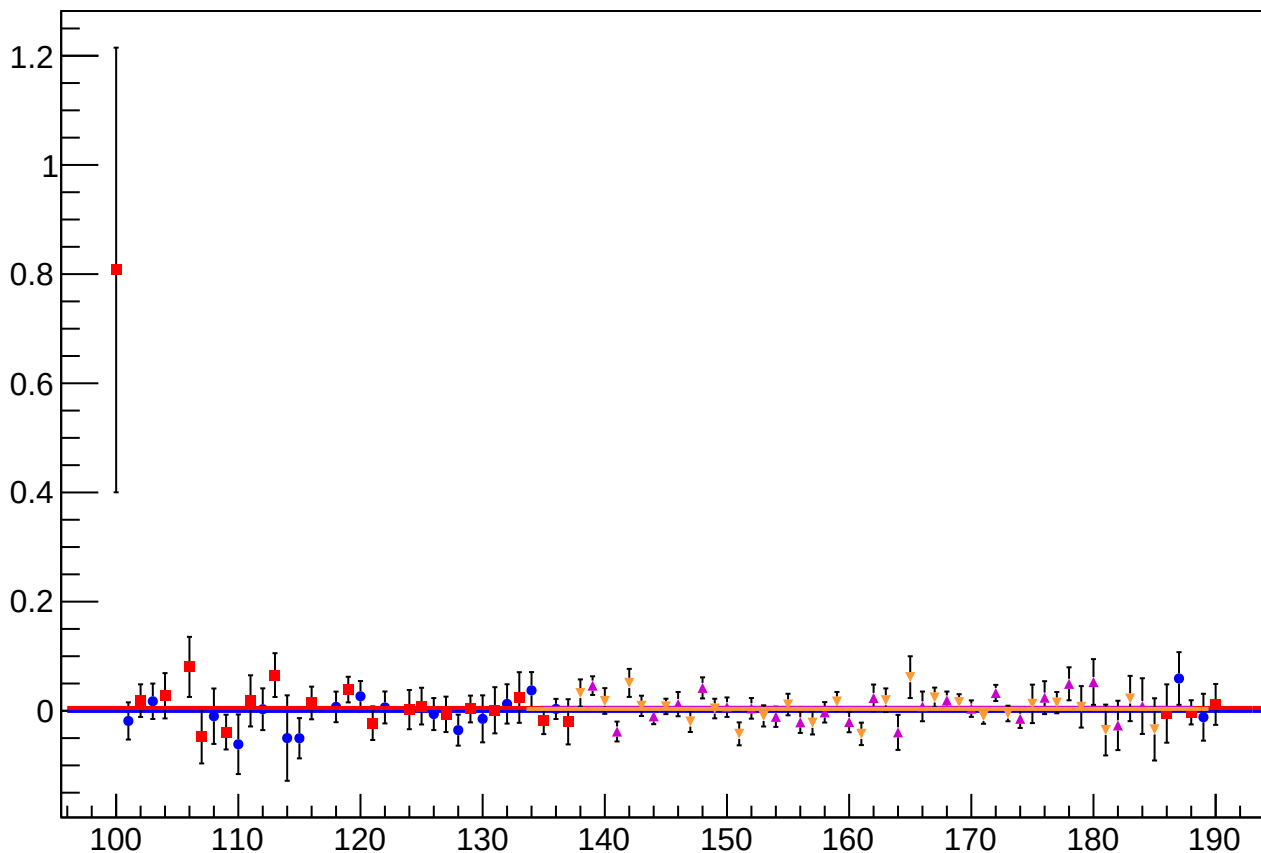
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 1355602.1/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 5837264.7/42

All: 0.000 $\pm$ 0.000 χ^2/NDF : 12647165.4/87

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 6653064.2/44

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.008 χ^2/NDF : 9.9/17

Left Out: 0.003 ± 0.004 χ^2/NDF : 26.9/24

Right Out: 0.005 ± 0.007 χ^2/NDF : 16.4/21

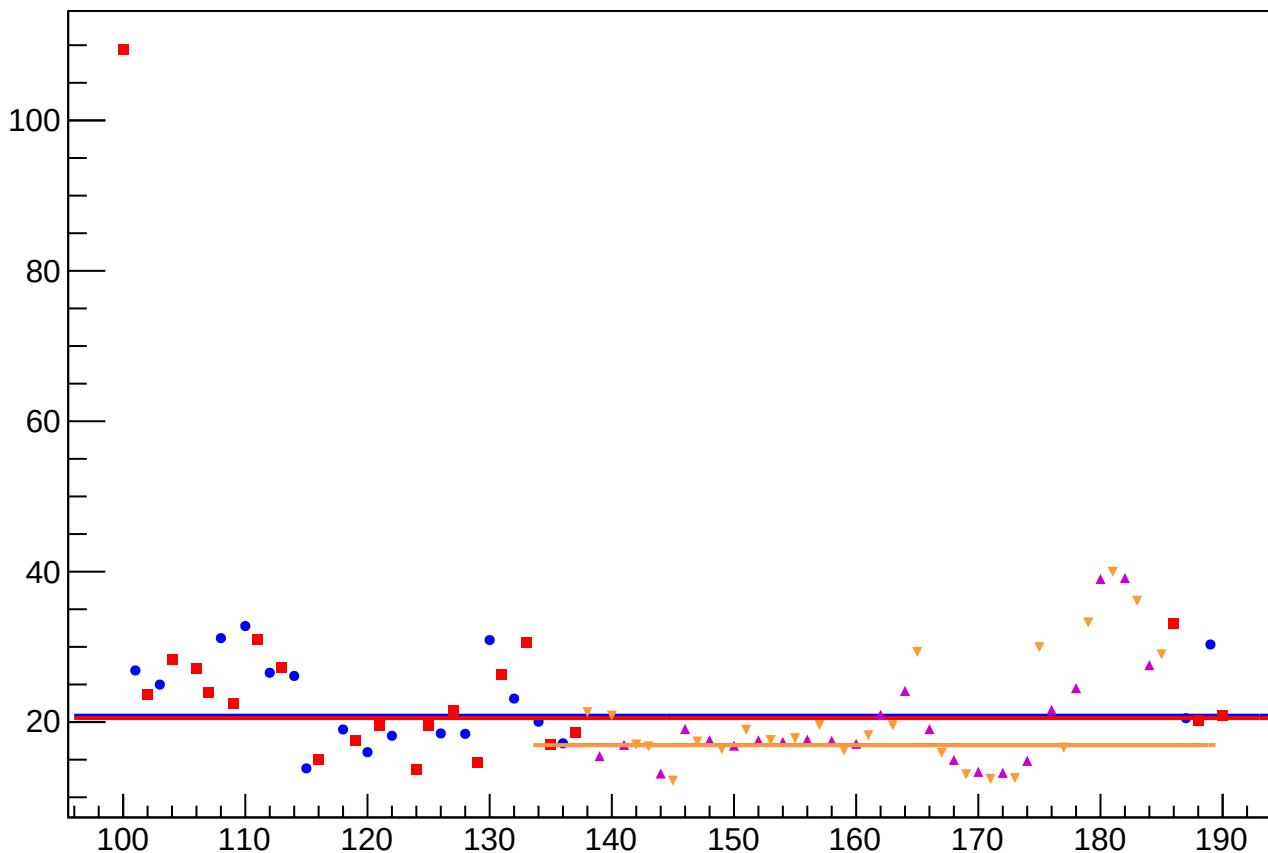
Left In: 0.005 ± 0.004 χ^2/NDF : 33.2/22

+ sign 0.003 ± 0.004 χ^2/NDF : 37.0/42

All: 0.004 ± 0.003 χ^2/NDF : 86.9/87

- sign 0.005 ± 0.004 χ^2/NDF : 49.7/44

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.846 $\pm$ 0.006 χ^2/NDF : 806465.3/17

Left Out: 16.939 $\pm$ 0.003 χ^2/NDF : 2836877.8/24

Right Out: 20.533 $\pm$ 0.005 χ^2/NDF : 977816.7/21

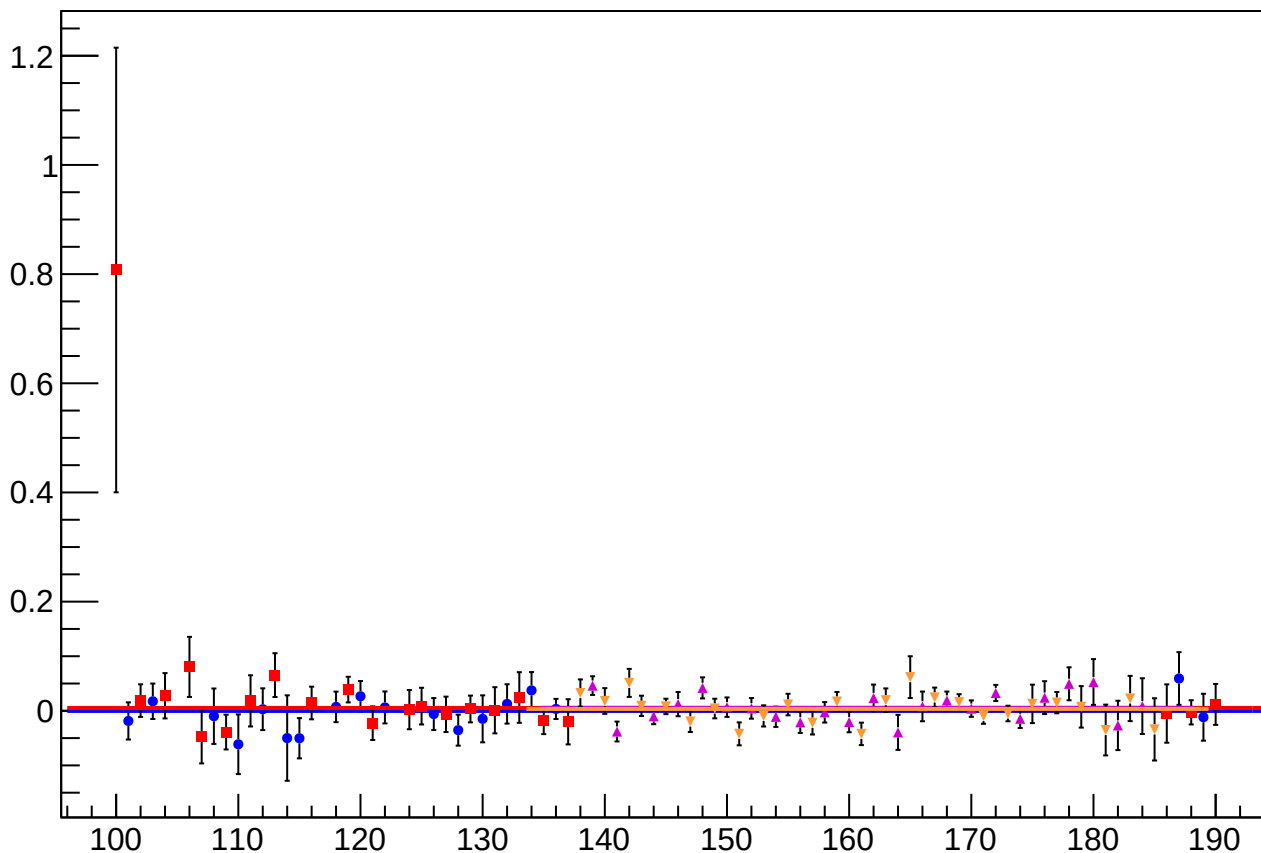
Left In: 16.943 $\pm$ 0.003 χ^2/NDF : 1941845.2/22

+ sign 17.779 $\pm$ 0.003 χ^2/NDF : 4035479.2/42

All: 17.813 $\pm$ 0.002 χ^2/NDF : 7325434.6/87

- sign 17.848 $\pm$ 0.003 χ^2/NDF : 3289591.4/44

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.008 χ^2/NDF : 9.9/17

Left Out: 0.003 ± 0.004 χ^2/NDF : 26.9/24

Right Out: 0.005 ± 0.007 χ^2/NDF : 16.4/21

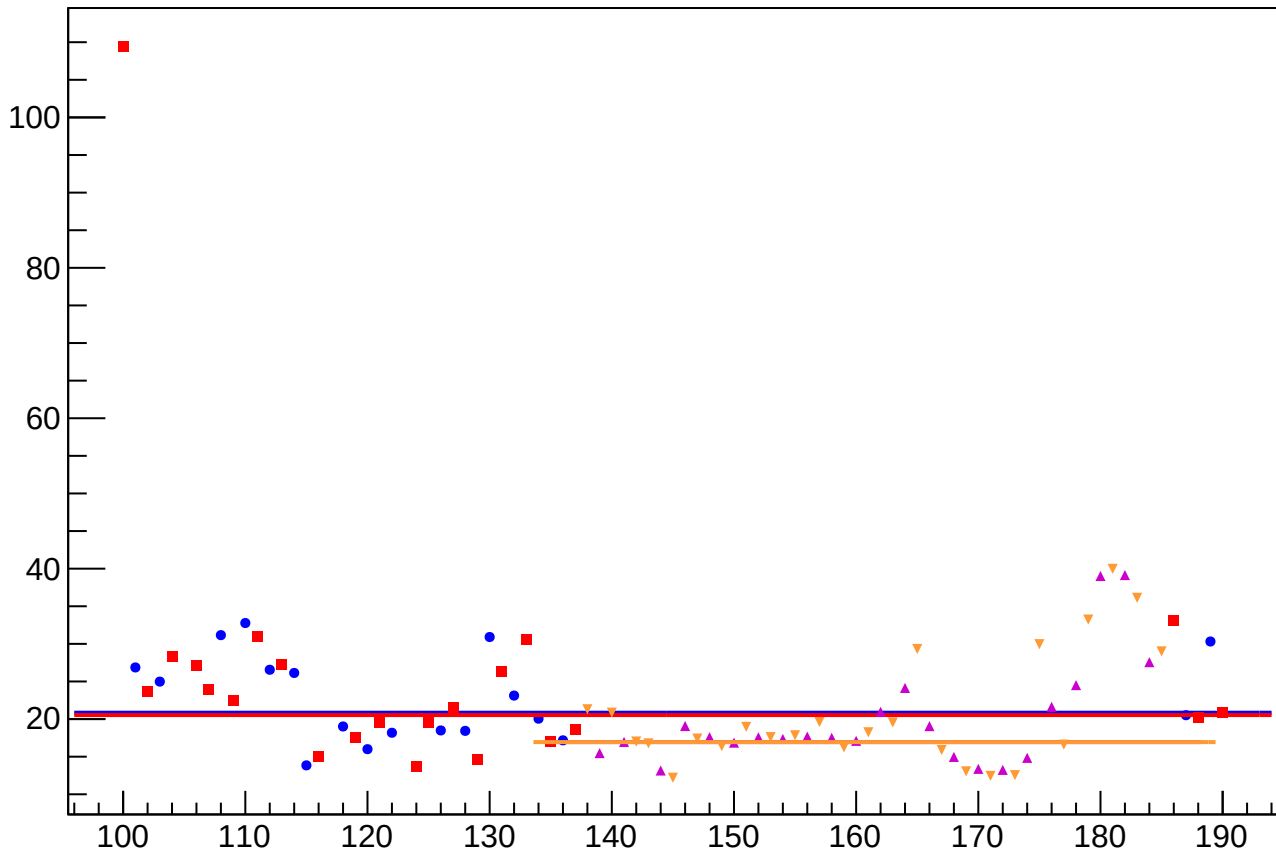
Left In: 0.005 ± 0.004 χ^2/NDF : 33.2/22

+ sign 0.003 ± 0.004 χ^2/NDF : 37.0/42

All: 0.004 ± 0.003 χ^2/NDF : 86.9/87

- sign 0.005 ± 0.004 χ^2/NDF : 49.7/44

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.846 $\pm$ 0.006 χ^2 /NDF: 806465.3/17

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836877.8/24

Right Out: 20.533 $\pm$ 0.005 χ^2 /NDF: 977816.7/21

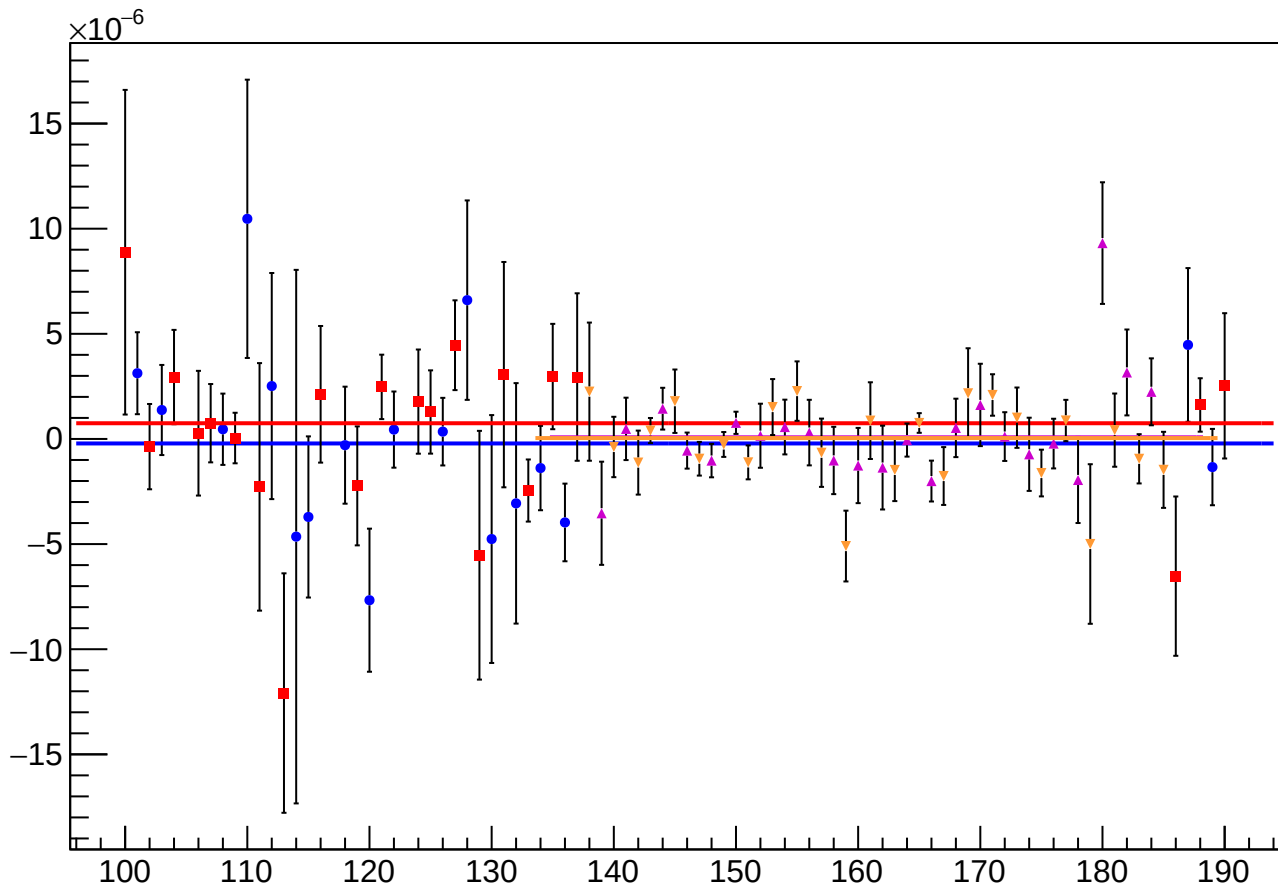
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941845.2/22

+ sign 17.779 $\pm$ 0.003 χ^2 /NDF: 4035479.2/42

All: 17.813 $\pm$ 0.002 χ^2 /NDF: 7325434.6/87

- sign 17.848 $\pm$ 0.003 χ^2 /NDF: 3289591.4/44

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 21.9/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 37.2/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 25.4/21

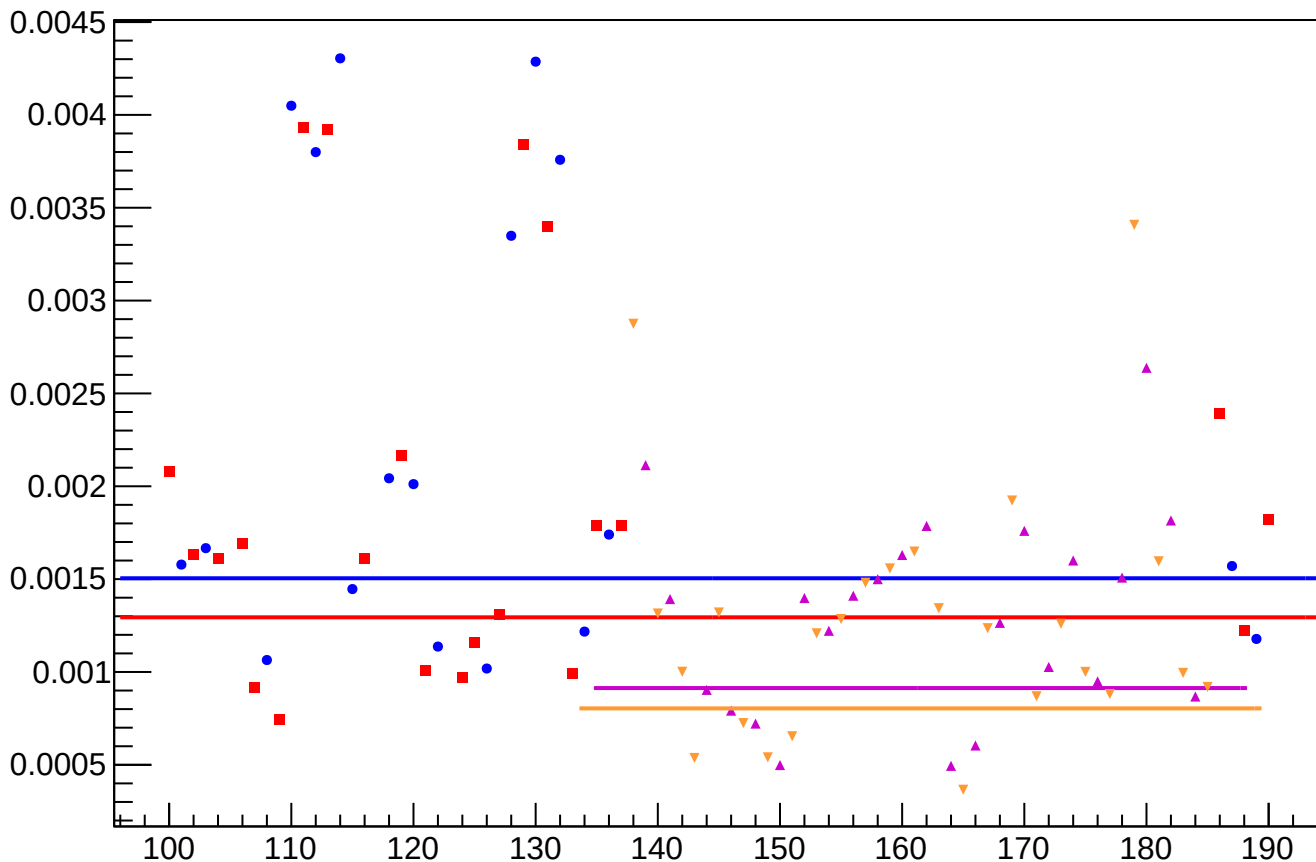
Left In: 0.000 ± 0.000 χ^2/NDF : 31.0/22

+ sign 0.000 ± 0.000 χ^2/NDF : 59.3/42

All: 0.000 ± 0.000 χ^2/NDF : 117.7/87

- sign 0.000 ± 0.000 χ^2/NDF : 57.9/44

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2489261.0/17

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:8261261.7/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 2891952.9/21

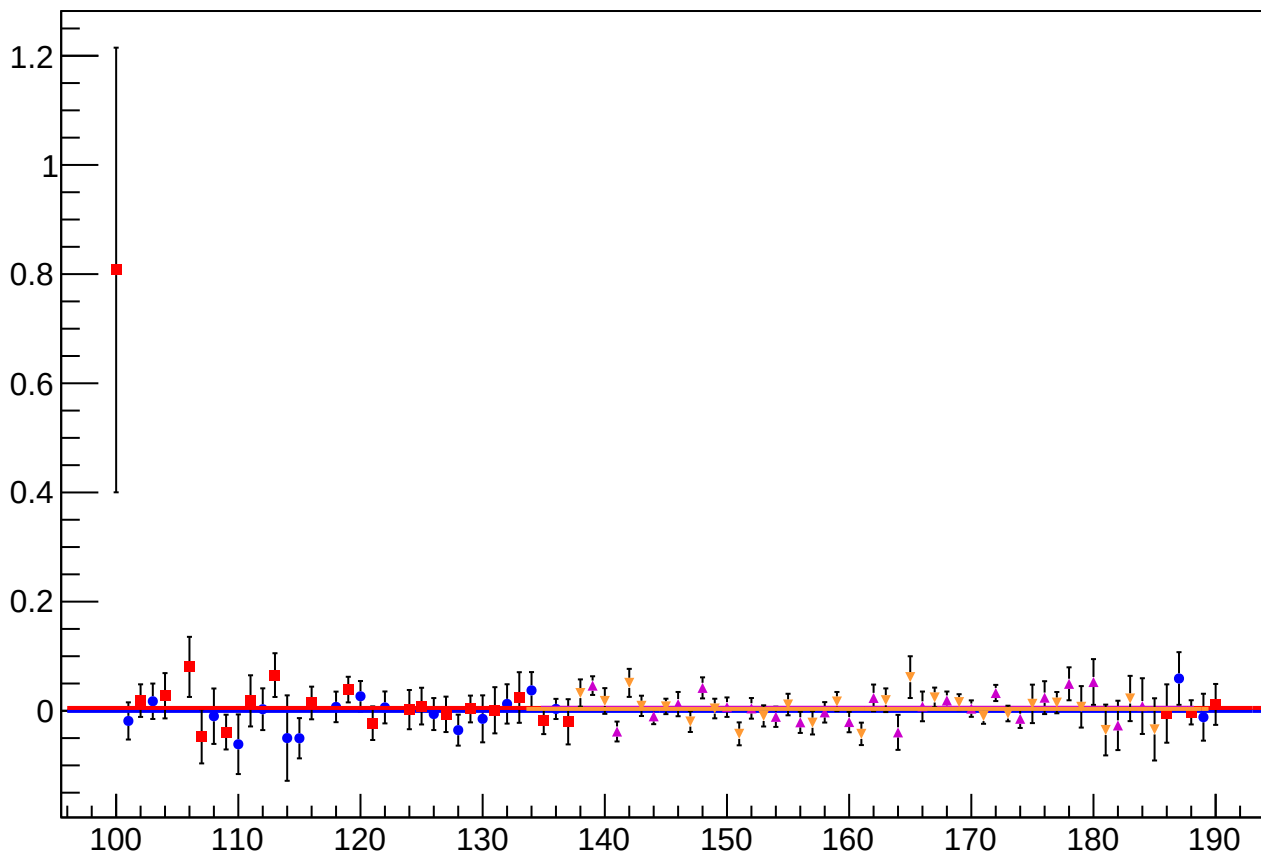
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:6446479.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 13271649.3/42

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 23906240.3/87

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 10352706.2/44

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.008 χ^2/NDF : 9.9/17

Left Out: 0.003 ± 0.004 χ^2/NDF : 26.9/24

Right Out: 0.005 ± 0.007 χ^2/NDF : 16.4/21

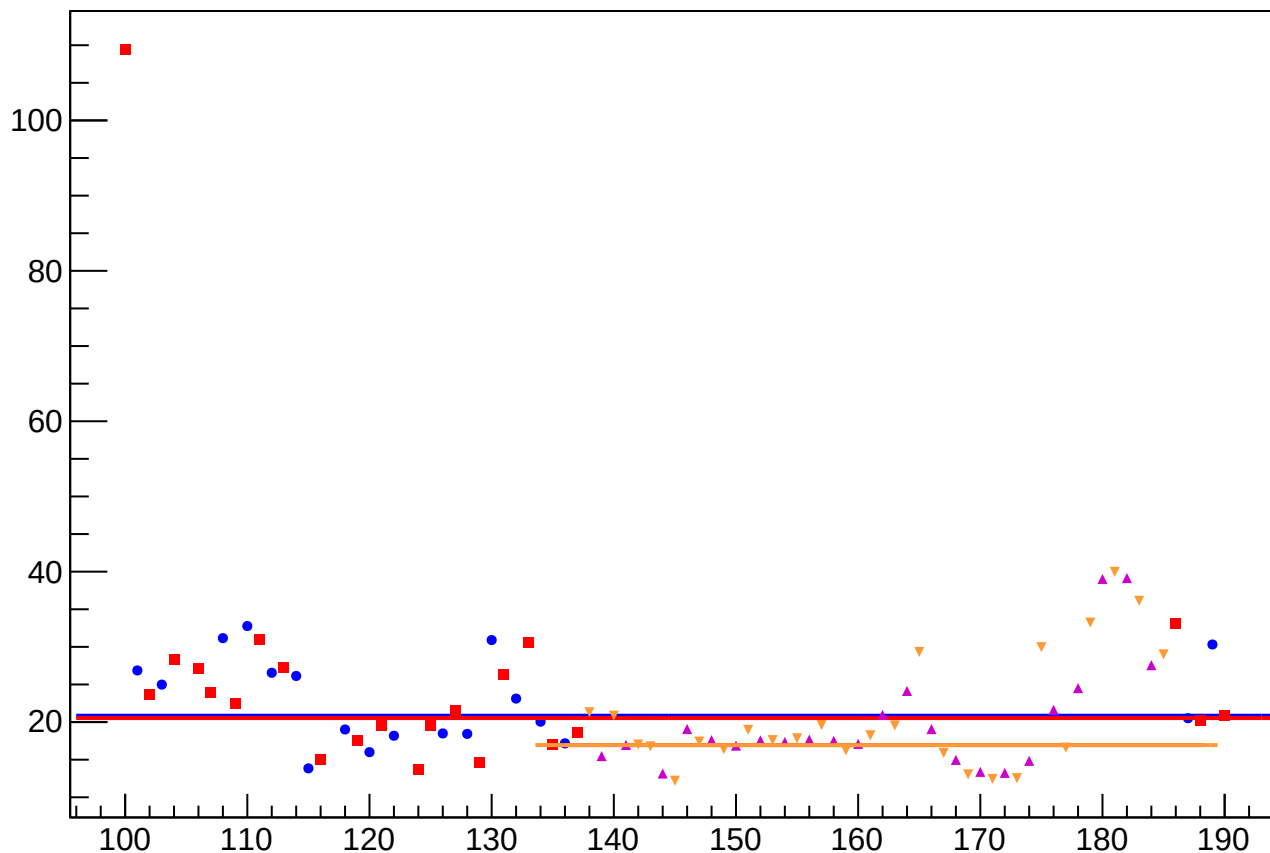
Left In: 0.005 ± 0.004 χ^2/NDF : 33.2/22

+ sign 0.003 ± 0.004 χ^2/NDF : 37.0/42

All: 0.004 ± 0.003 χ^2/NDF : 86.9/87

- sign 0.005 ± 0.004 χ^2/NDF : 49.7/44

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.845 $\pm$ 0.006 χ^2 /NDF: 806359.9/17

Left Out: 16.939 $\pm$ 0.003 χ^2 /NDF: 2836863.1/24

Right Out: 20.533 $\pm$ 0.005 χ^2 /NDF: 977839.7/21

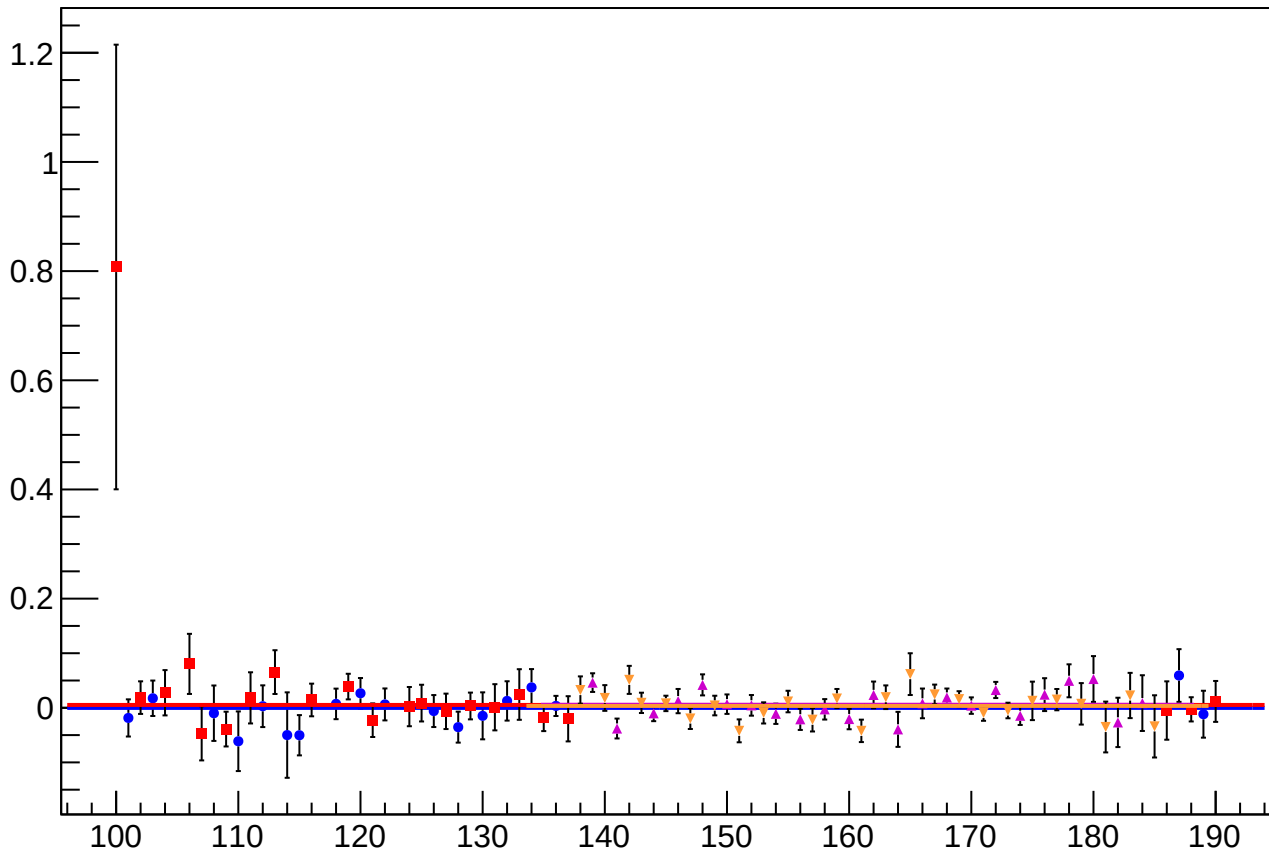
Left In: 16.943 $\pm$ 0.003 χ^2 /NDF: 1941834.9/22

+ sign 17.779 $\pm$ 0.003 χ^2 /NDF: 4035229.4/42

All: 17.813 $\pm$ 0.002 χ^2 /NDF: 7325071.6/87

- sign 17.848 $\pm$ 0.003 χ^2 /NDF: 3289479.1/44

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000 ± 0.008 χ^2/NDF : 9.9/17

Left Out: 0.003 ± 0.004 χ^2/NDF : 26.9/24

Right Out: 0.005 ± 0.007 χ^2/NDF : 16.4/21

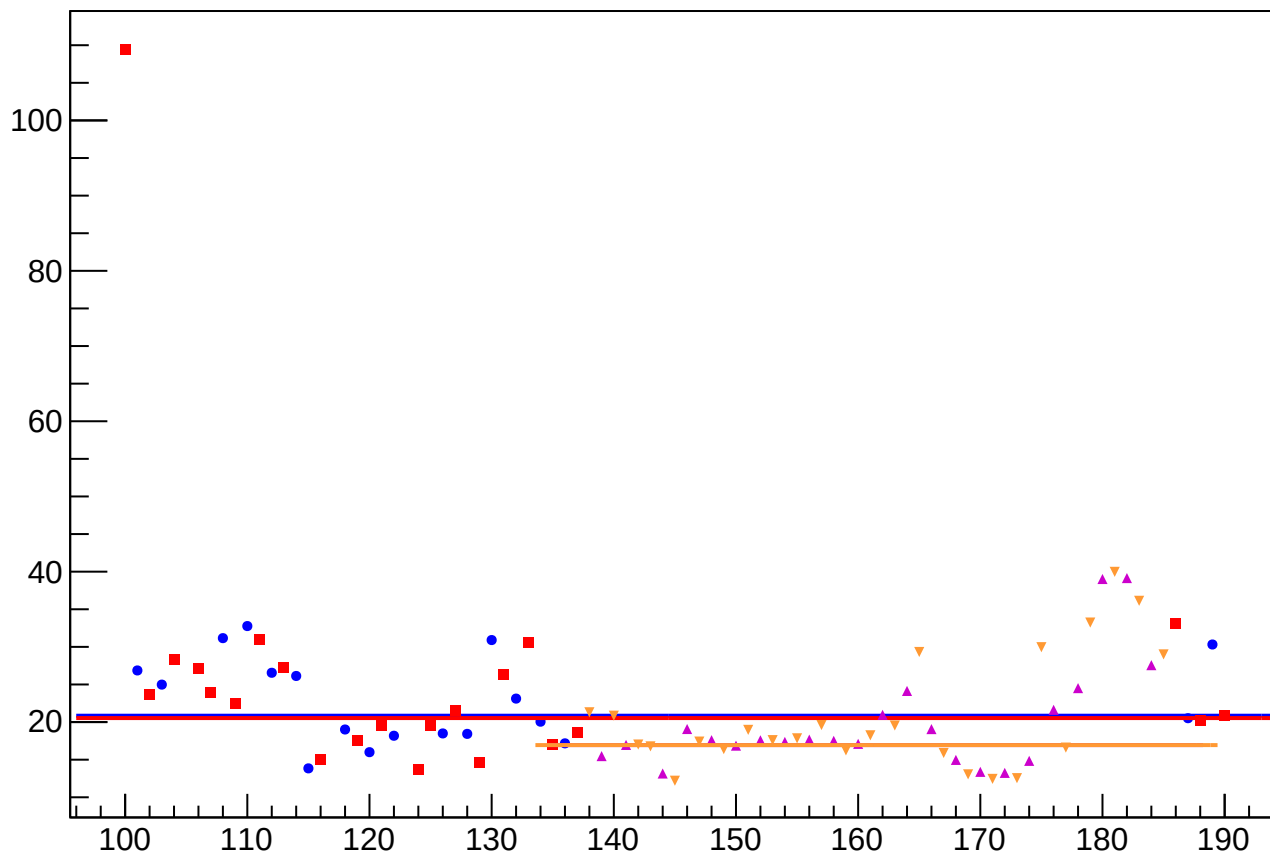
Left In: 0.005 ± 0.004 χ^2/NDF : 33.2/22

+ sign 0.003 ± 0.004 χ^2/NDF : 37.0/42

All: 0.004 ± 0.003 χ^2/NDF : 86.9/87

- sign 0.005 ± 0.004 χ^2/NDF : 49.7/44

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.845 ± 0.006 χ^2/NDF : 806359.9/17

Left Out: 16.939 ± 0.003 χ^2/NDF : 2836863.1/24

Right Out: 20.533 ± 0.005 χ^2/NDF : 977839.7/21

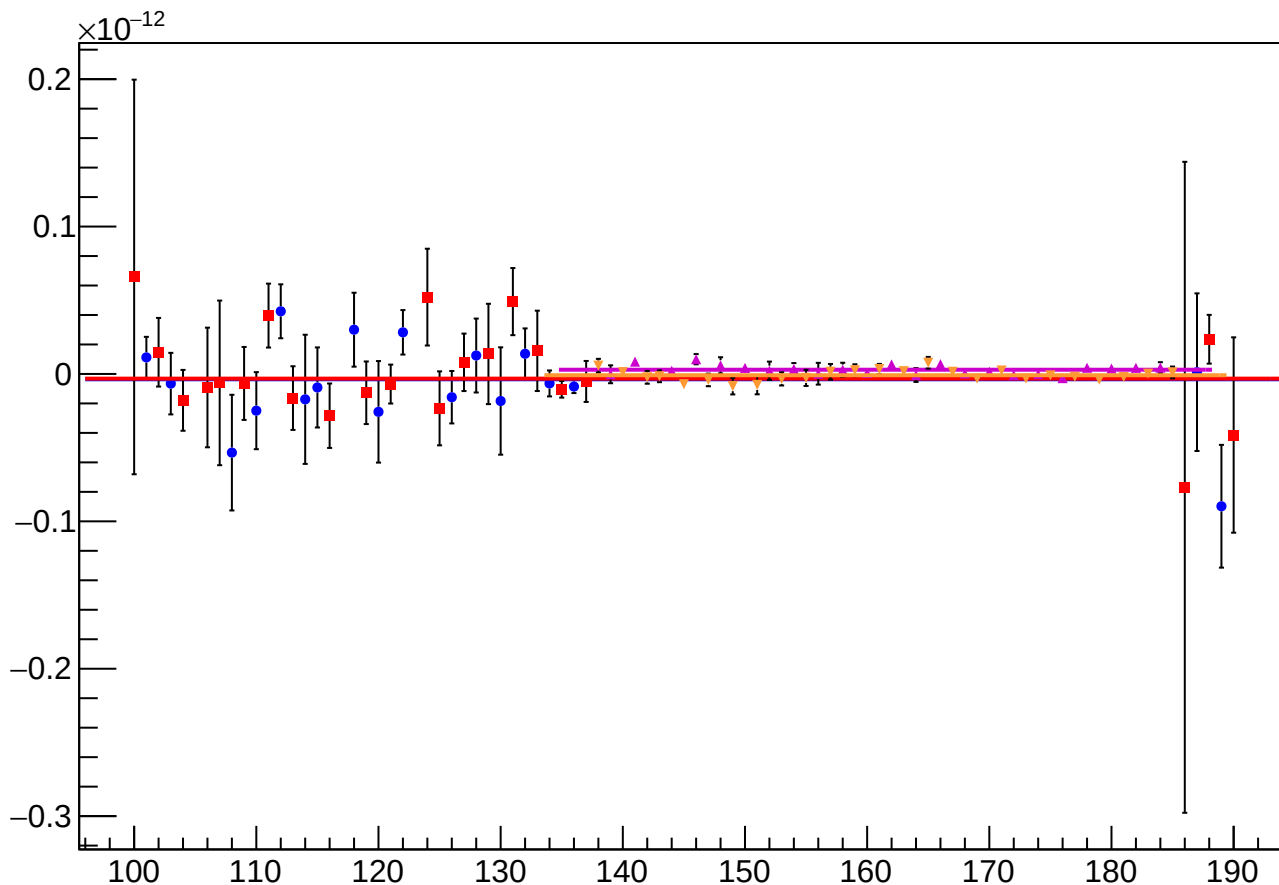
Left In: 16.943 ± 0.003 χ^2/NDF : 1941834.9/22

+ sign 17.779 ± 0.003 χ^2/NDF : 4035229.4/42

All: 17.813 ± 0.002 χ^2/NDF : 7325071.6/87

- sign 17.848 ± 0.003 χ^2/NDF : 3289479.1/44

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 24.3/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 23.6/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 21.8/21

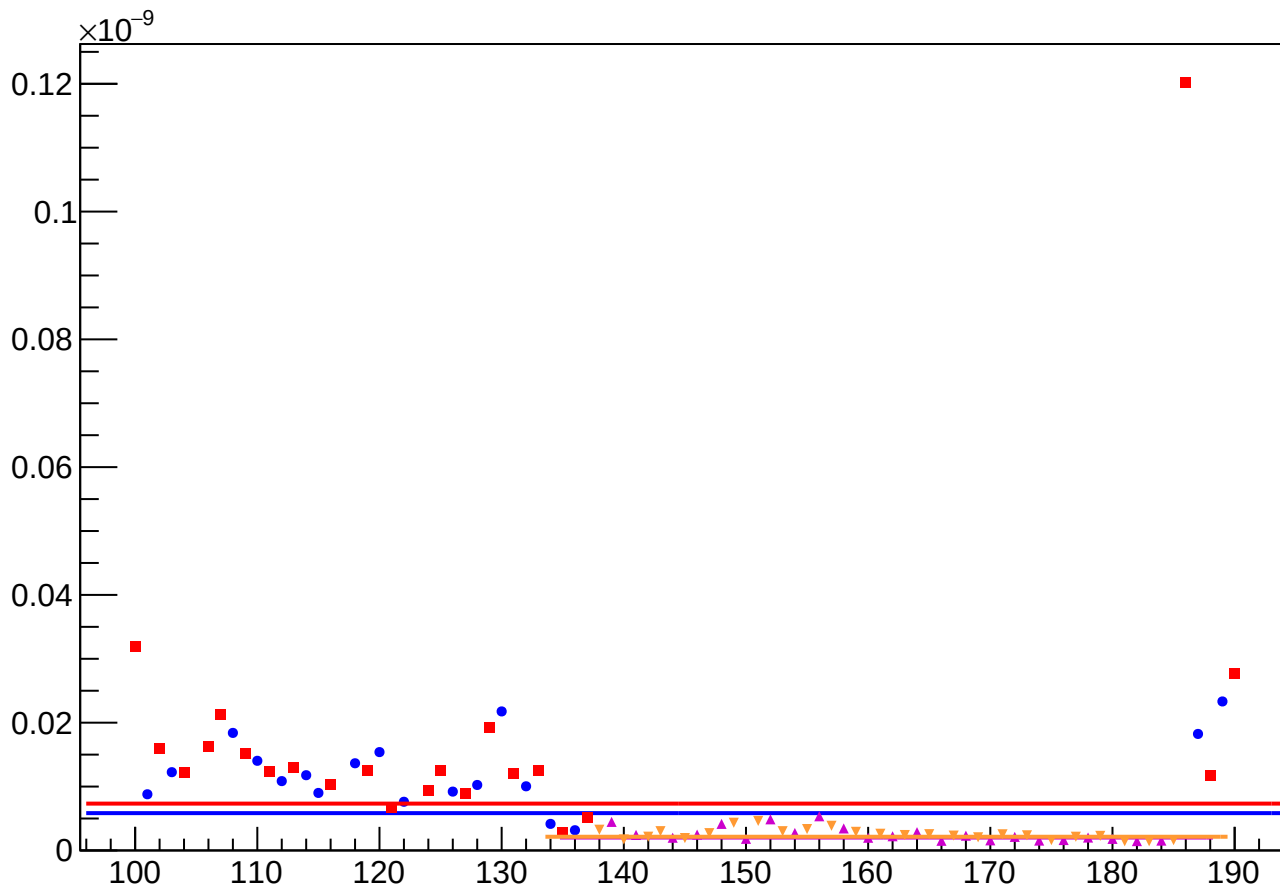
Left In: 0.000 ± 0.000 χ^2/NDF : 23.1/22

+ sign -0.000 ± 0.000 χ^2/NDF : 48.6/42

All: 0.000 ± 0.000 χ^2/NDF : 113.2/87

- sign 0.000 ± 0.000 χ^2/NDF : 47.4/44

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3170139.9/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:2184835.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3979711.8/21

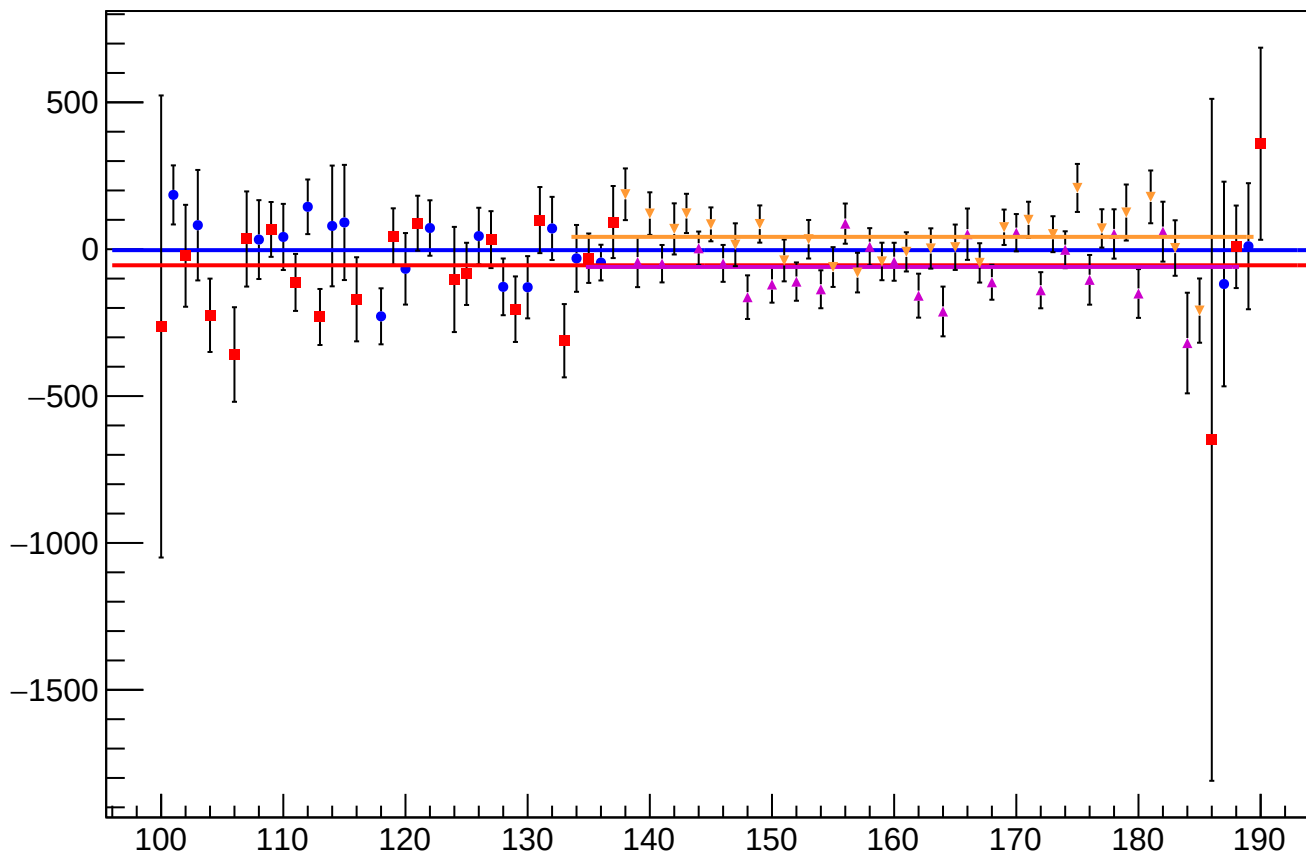
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:2375362.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7860038.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 18135743.7/87

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10241962.1/44

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -3.219 ± 25.947 $\chi^2/\text{NDF}: 17.8/17$

Left Out: 42.012 ± 14.181 $\chi^2/\text{NDF}: 32.0/24$

Right Out: -54.744 ± 25.842 $\chi^2/\text{NDF}: 27.8/21$

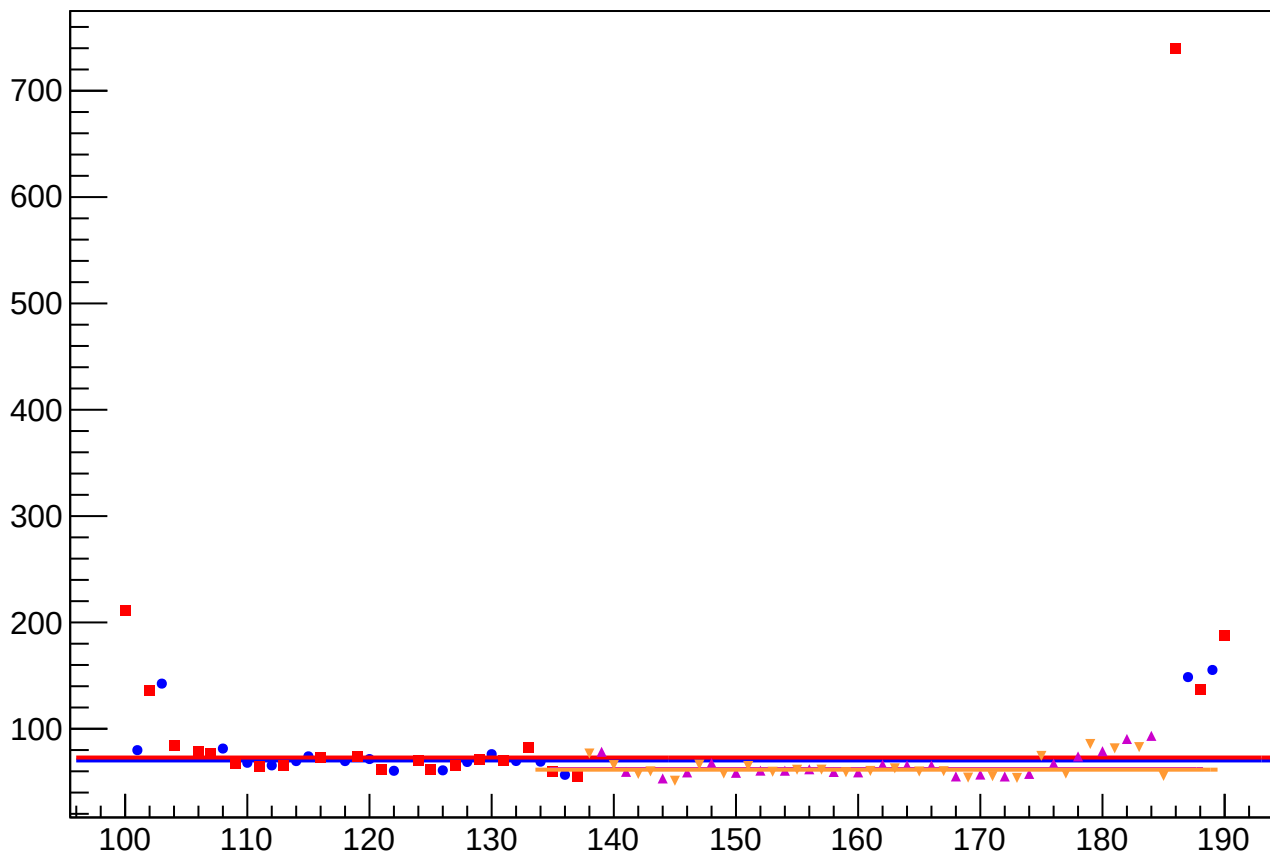
Left In: -60.376 ± 14.714 $\chi^2/\text{NDF}: 32.2/22$

+ sign 31.609 ± 12.444 $\chi^2/\text{NDF}: 52.2/42$

All: -12.465 ± 8.918 $\chi^2/\text{NDF}: 138.0/87$

- sign -58.997 ± 12.786 $\chi^2/\text{NDF}: 60.0/44$

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 70.212 $\pm$ 0.018 χ^2 /NDF: 896246.0/17

Left Out: 61.544 $\pm$ 0.010 χ^2 /NDF: 637834.8/24

Right Out: 72.964 $\pm$ 0.018 χ^2 /NDF: 1871439.9/21

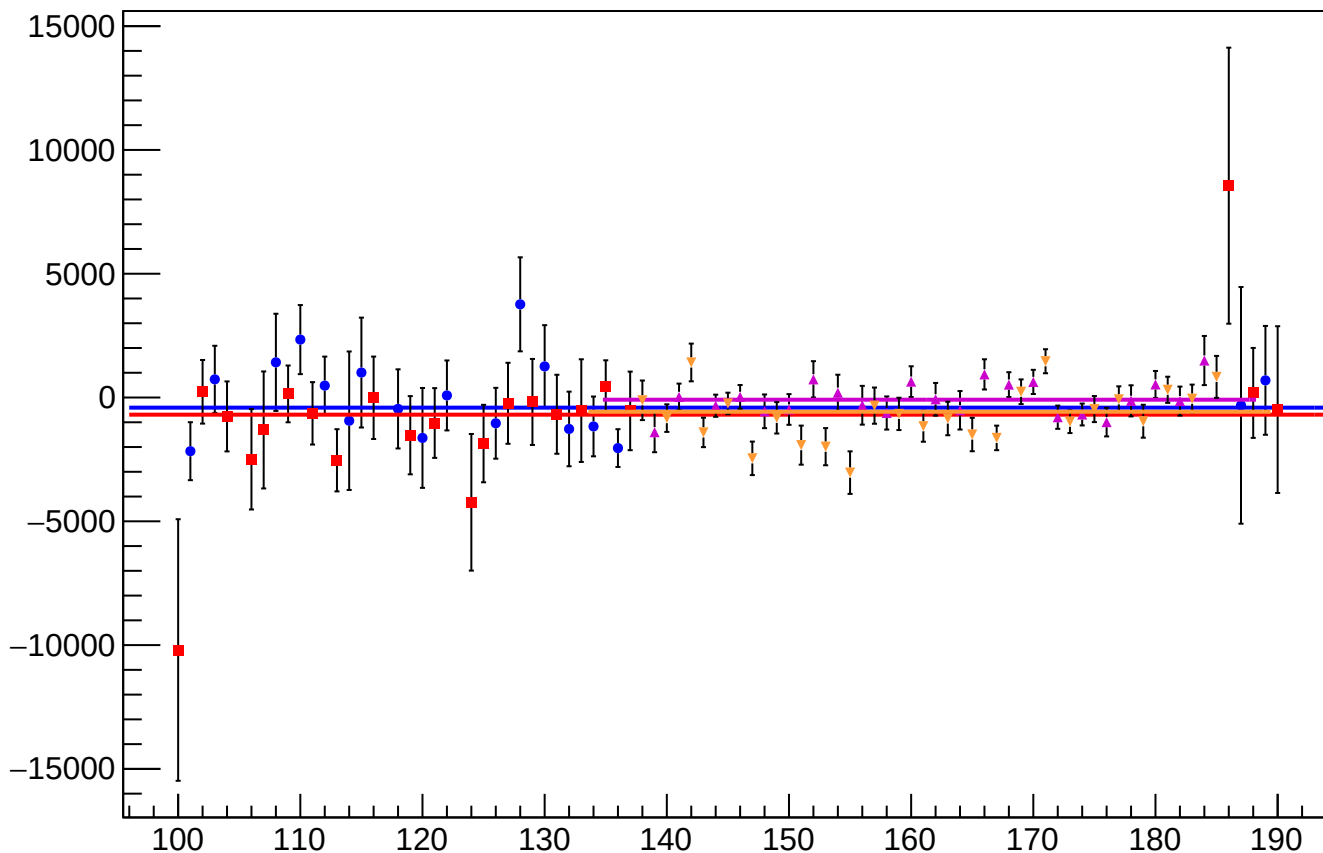
Left In: 62.144 $\pm$ 0.010 χ^2 /NDF: 596754.9/22

+ sign 63.538 $\pm$ 0.009 χ^2 /NDF: 1705950.5/42

All: 64.149 $\pm$ 0.006 χ^2 /NDF: 4448826.0/87

- sign 64.793 $\pm$ 0.009 χ^2 /NDF: 2732969.7/44

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -409.179+/-343.674 χ^2/NDF : 20.8/17

Left Out: -574.818+/-119.736 χ^2/NDF : 68.8/24

Right Out: -692.796+/-344.090 χ^2/NDF : 14.4/21

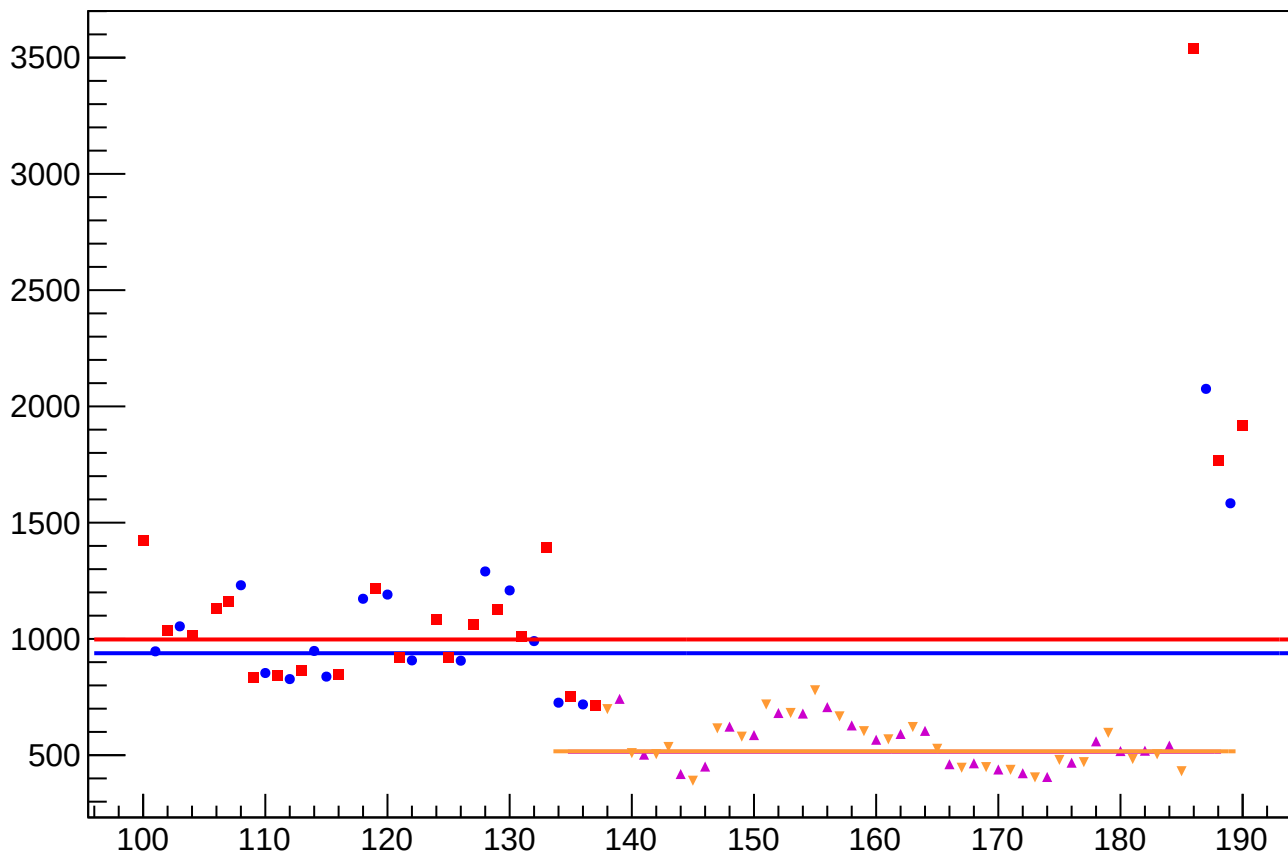
Left In: -88.334+/-122.492 χ^2/NDF : 24.6/22

+ sign -556.888+/-113.070 χ^2/NDF : 89.8/42

All: -360.686+/-80.763 χ^2/NDF : 137.6/87

- sign -156.320+/-115.398 χ^2/NDF : 41.7/44

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 938.476+/-0.243 χ^2/NDF : 802630.9/17

Left Out: 516.635+/-0.085 χ^2/NDF :1265161.0/24

Right Out: 997.649+/-0.243 χ^2/NDF : 1379232.8/21

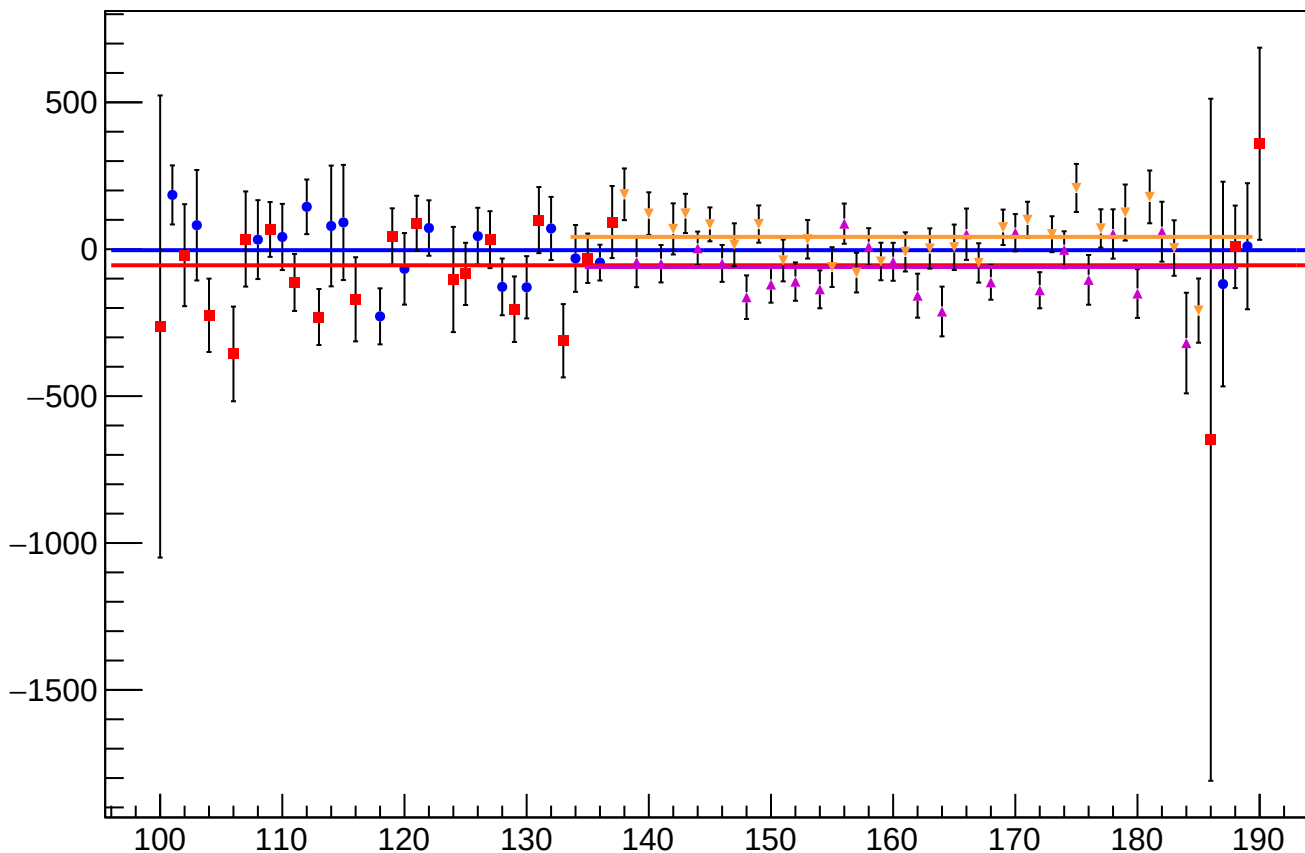
Left In: 514.781+/-0.087 χ^2/NDF :1120436.1/22

+ sign 562.297+/-0.080 χ^2/NDF : 4754870.1/42

All: 565.625+/-0.057 χ^2/NDF : 10753686.3/87

- sign 569.091+/-0.082 χ^2/NDF : 5995279.2/44

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.226 ± 25.947 $\chi^2/\text{NDF}: 17.8/17$

Left Out: 42.017 ± 14.181 $\chi^2/\text{NDF}: 32.0/24$

Right Out: -54.625 ± 25.843 $\chi^2/\text{NDF}: 27.7/21$

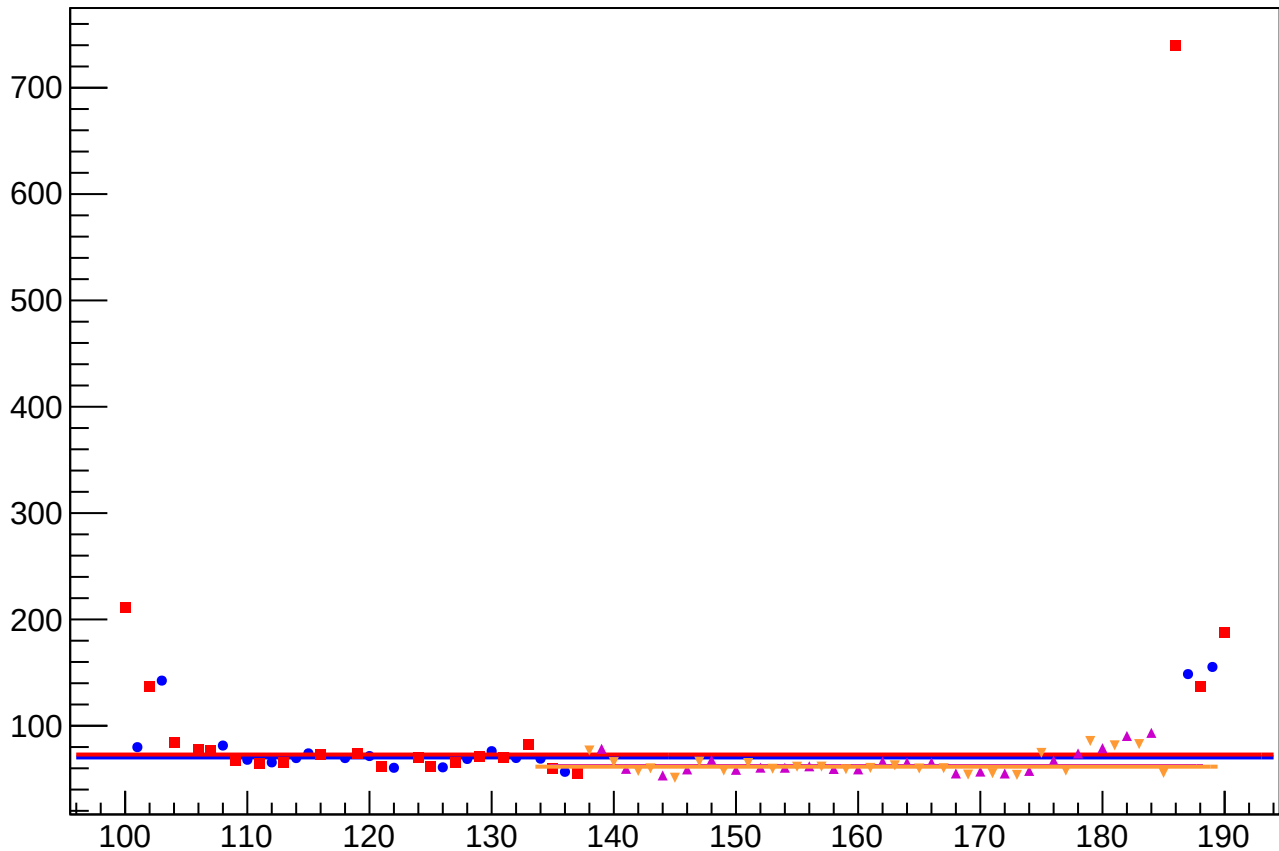
Left In: -60.376 ± 14.714 $\chi^2/\text{NDF}: 32.2/22$

+ sign 31.611 ± 12.444 $\chi^2/\text{NDF}: 52.2/42$

All: -12.449 ± 8.918 $\chi^2/\text{NDF}: 137.9/87$

- sign -58.968 ± 12.786 $\chi^2/\text{NDF}: 60.0/44$

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 70.212 ± 0.018 χ^2/NDF : 896249.1/17

Left Out: 61.544 ± 0.010 χ^2/NDF : 637834.9/24

Right Out: 72.946 ± 0.018 χ^2/NDF : 1871192.5/21

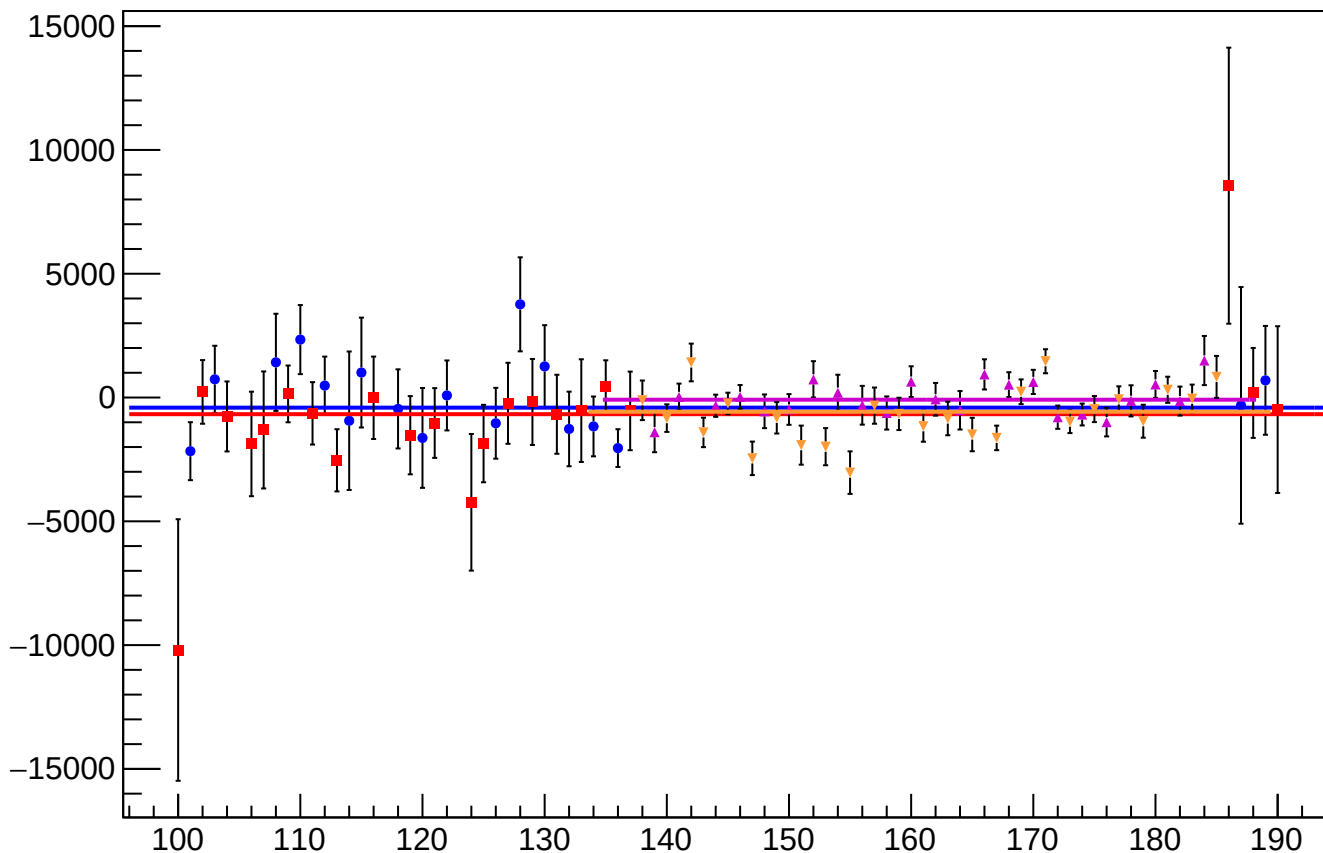
Left In: 62.144 ± 0.010 χ^2/NDF : 596754.9/22

+ sign 63.538 ± 0.009 χ^2/NDF : 1705953.5/42

All: 64.146 ± 0.006 χ^2/NDF : 4447602.7/87

- sign 64.789 ± 0.009 χ^2/NDF : 2731816.1/44

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -409.149+/-343.675 χ^2/NDF : 20.8/17

Left Out: -574.811+/-119.736 χ^2/NDF : 68.8/24

Right Out: -672.724+/-344.494 χ^2/NDF : 13.9/21

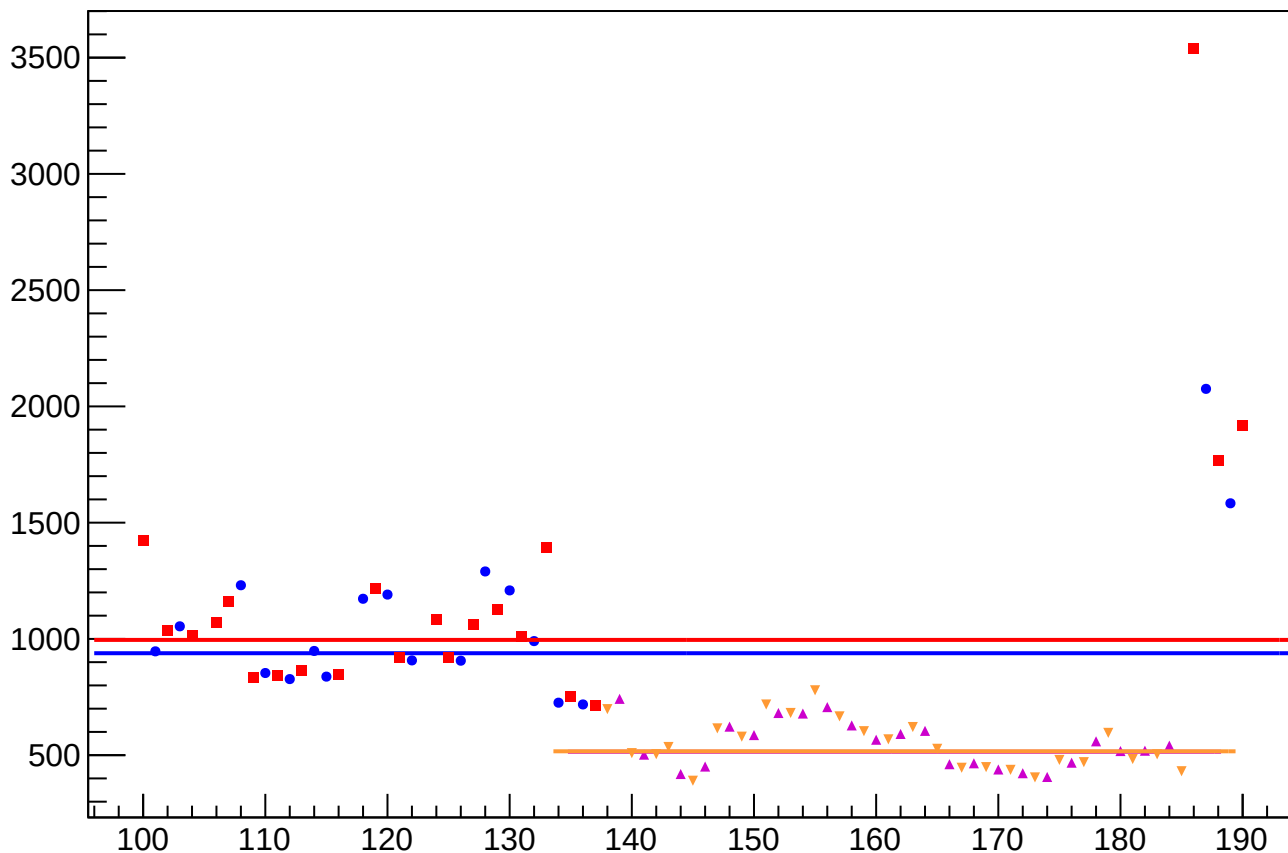
Left In: -88.333+/-122.492 χ^2/NDF : 24.6/22

+ sign -556.879+/-113.070 χ^2/NDF : 89.8/42

All: -359.535+/-80.768 χ^2/NDF : 137.0/87

- sign -153.926+/-115.413 χ^2/NDF : 41.0/44

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 938.480 $\pm$ 0.243 χ^2 /NDF: 802651.3/17

Left Out: 516.635 $\pm$ 0.085 χ^2 /NDF: 1265163.0/24

Right Out: 995.730 $\pm$ 0.244 χ^2 /NDF: 1372756.2/21

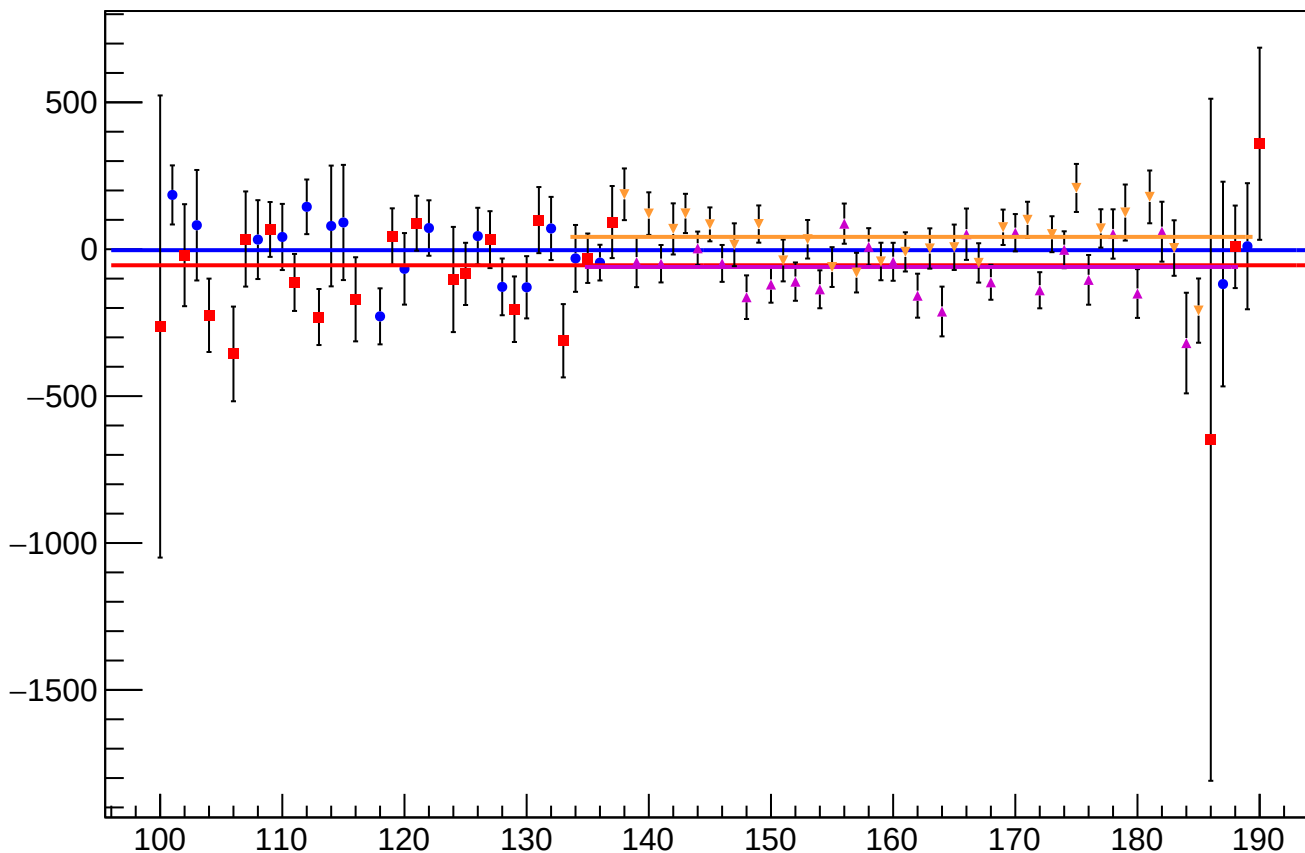
Left In: 514.781 $\pm$ 0.087 χ^2 /NDF: 1120434.8/22

+ sign 562.297 $\pm$ 0.080 χ^2 /NDF: 4754920.0/42

All: 565.464 $\pm$ 0.057 χ^2 /NDF: 10711983.2/87

- sign 568.763 $\pm$ 0.082 χ^2 /NDF: 5953859.8/44

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.226 ± 25.947 $\chi^2/\text{NDF}: 17.8/17$

Left Out: 42.017 ± 14.181 $\chi^2/\text{NDF}: 32.0/24$

Right Out: -54.625 ± 25.843 $\chi^2/\text{NDF}: 27.7/21$

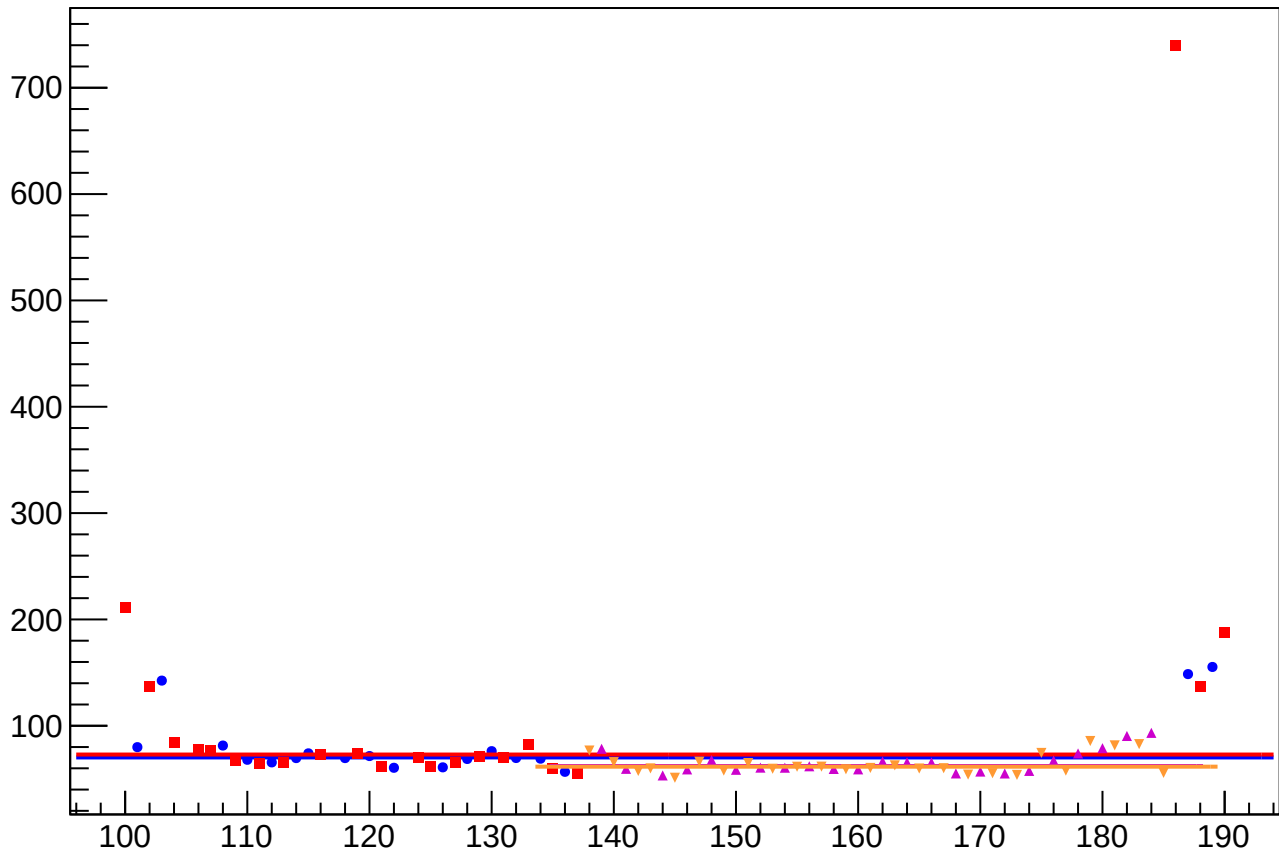
Left In: -60.376 ± 14.714 $\chi^2/\text{NDF}: 32.2/22$

+ sign 31.611 ± 12.444 $\chi^2/\text{NDF}: 52.2/42$

All: -12.449 ± 8.918 $\chi^2/\text{NDF}: 137.9/87$

- sign -58.968 ± 12.786 $\chi^2/\text{NDF}: 60.0/44$

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 70.212 ± 0.018 χ^2/NDF : 896249.1/17

Left Out: 61.544 ± 0.010 χ^2/NDF : 637834.9/24

Right Out: 72.946 ± 0.018 χ^2/NDF : 1871192.5/21

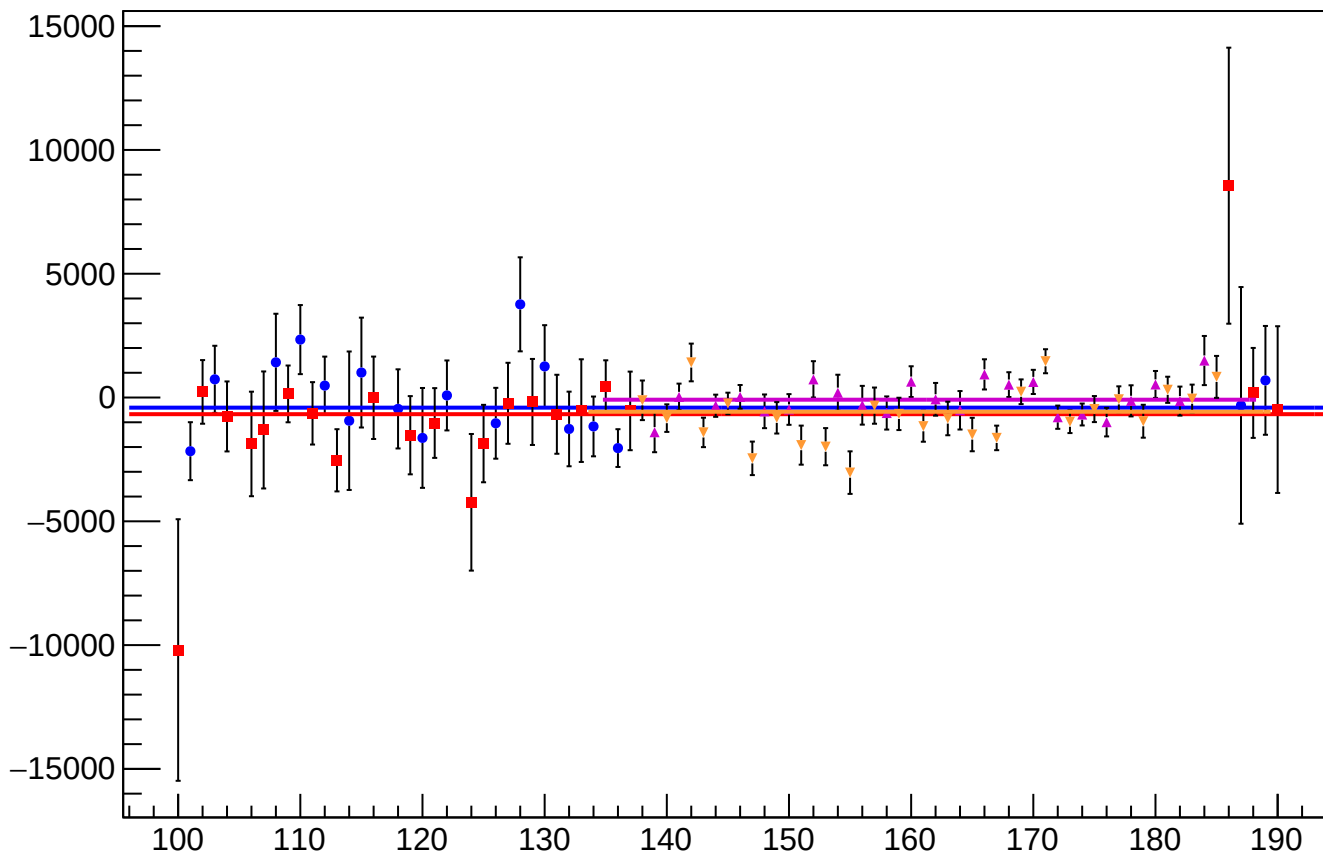
Left In: 62.144 ± 0.010 χ^2/NDF : 596754.9/22

+ sign 63.538 ± 0.009 χ^2/NDF : 1705953.5/42

All: 64.146 ± 0.006 χ^2/NDF : 4447602.7/87

- sign 64.789 ± 0.009 χ^2/NDF : 2731816.1/44

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -409.149+/-343.675 χ^2/NDF : 20.8/17

Left Out: -574.811+/-119.736 χ^2/NDF : 68.8/24

Right Out: -672.724+/-344.494 χ^2/NDF : 13.9/21

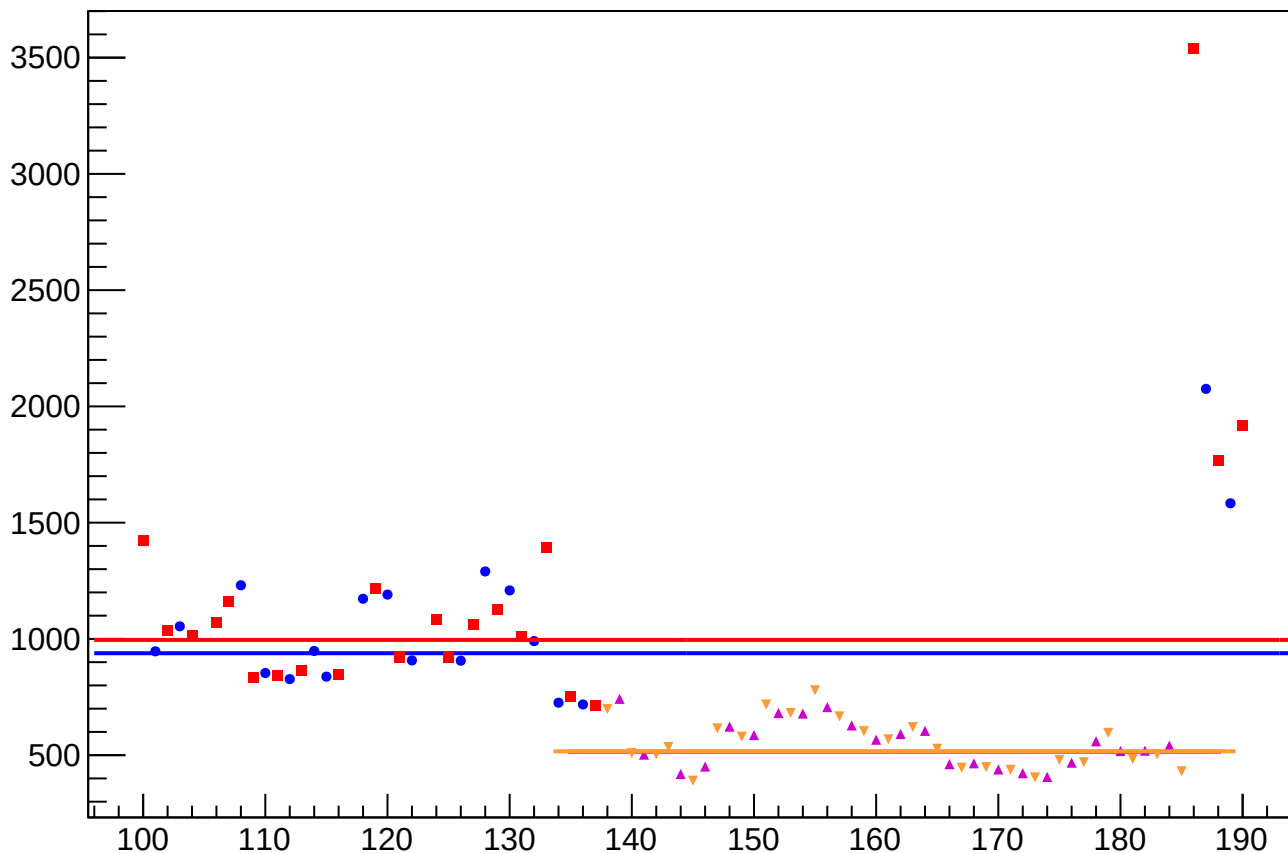
Left In: -88.333+/-122.492 χ^2/NDF : 24.6/22

+ sign -556.879+/-113.070 χ^2/NDF : 89.8/42

All: -359.535+/-80.768 χ^2/NDF : 137.0/87

- sign -153.926+/-115.413 χ^2/NDF : 41.0/44

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug



Right In: 938.480 $\pm$ 0.243 χ^2 /NDF: 802651.3/17

Left Out: 516.635 $\pm$ 0.085 χ^2 /NDF: 1265163.0/24

Right Out: 995.730 $\pm$ 0.244 χ^2 /NDF: 1372756.2/21

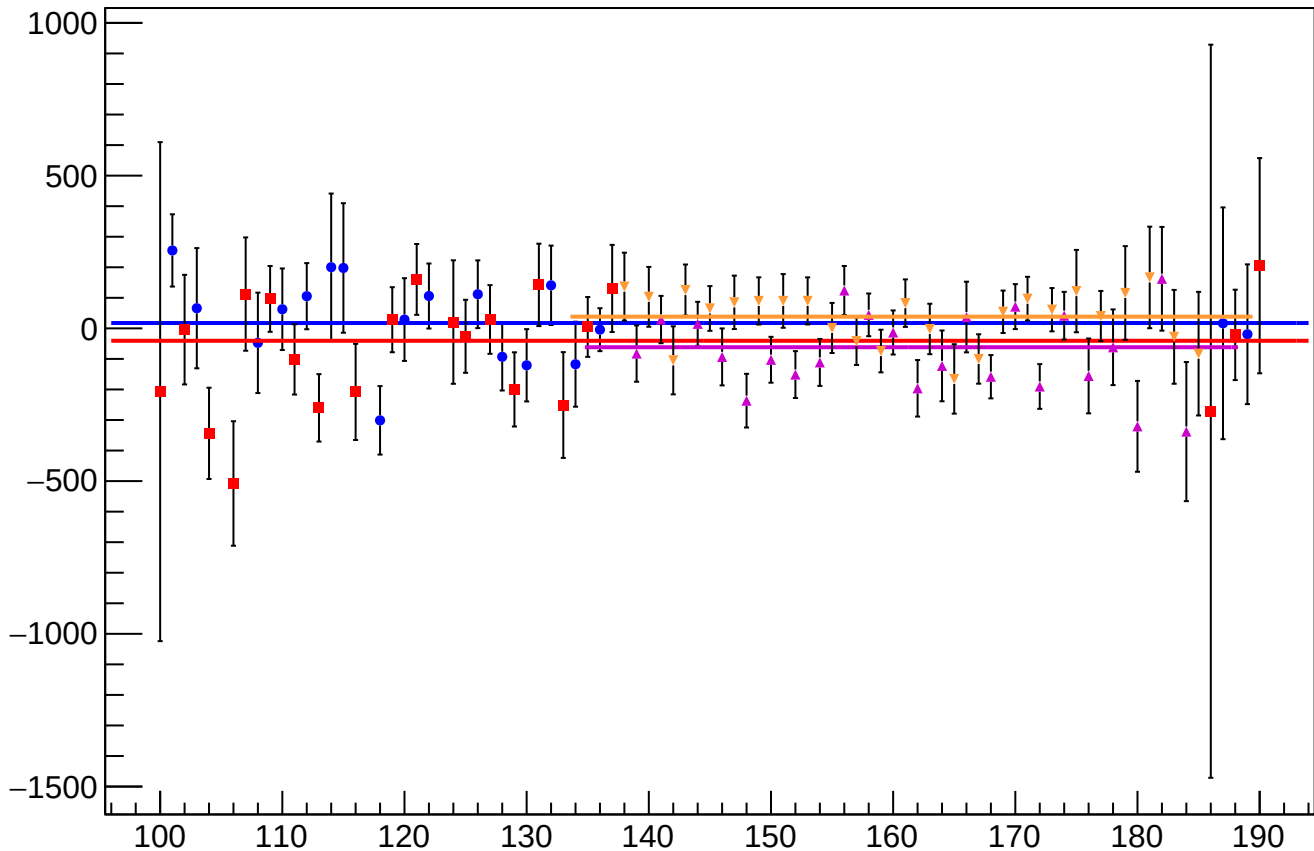
Left In: 514.781 $\pm$ 0.087 χ^2 /NDF: 1120434.8/22

+ sign 562.297 $\pm$ 0.080 χ^2 /NDF: 4754920.0/42

All: 565.464 $\pm$ 0.057 χ^2 /NDF: 10711983.2/87

- sign 568.763 $\pm$ 0.082 χ^2 /NDF: 5953859.8/44

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 17.523+/-29.989 χ^2/NDF : 20.2/17

Left Out: 38.281+/-17.669 χ^2/NDF : 18.8/24

Right Out: -40.599+/-29.948 χ^2/NDF : 28.3/21

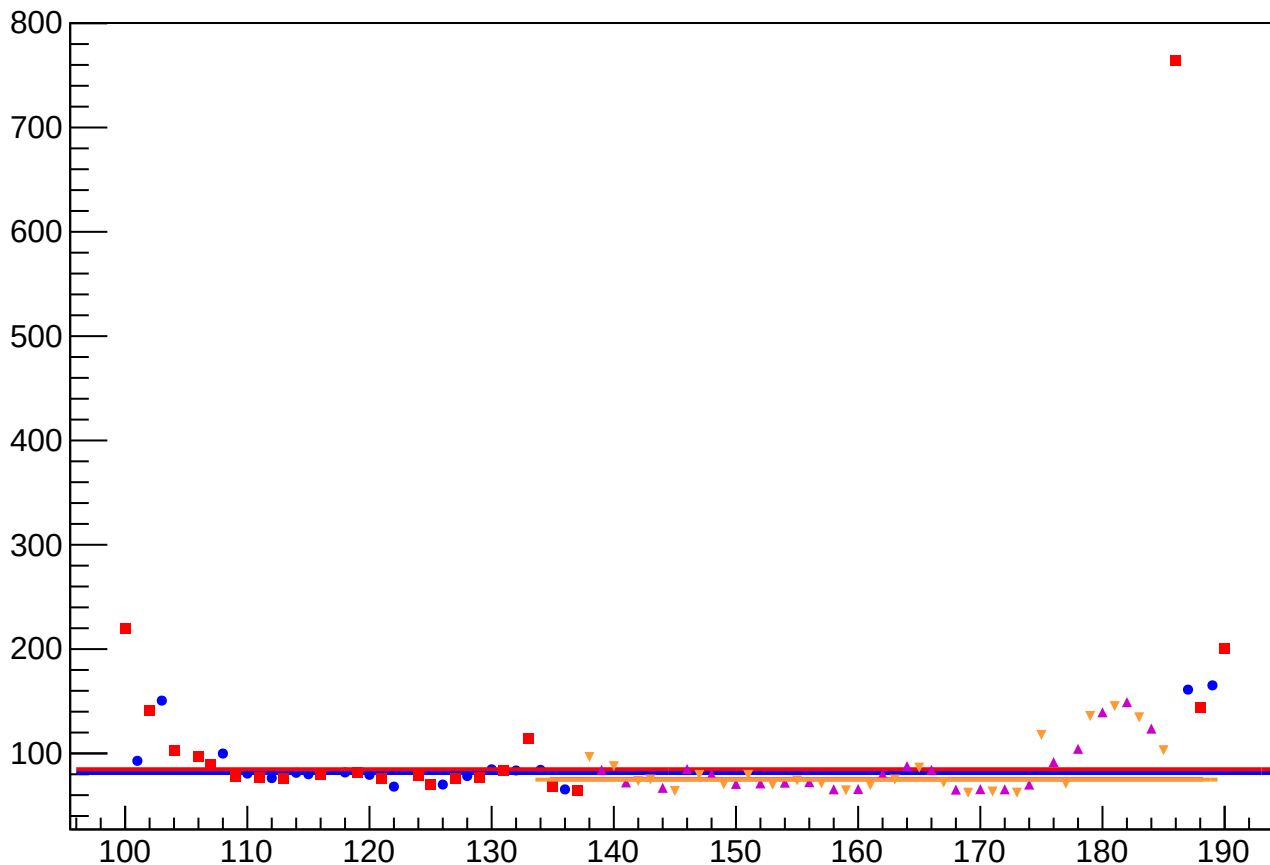
Left In: -61.723+/-18.192 χ^2/NDF : 36.7/22

+ sign 32.932+/-15.223 χ^2/NDF : 39.3/42

All: -10.611+/-10.878 χ^2/NDF : 121.4/87

- sign -56.030+/-15.548 χ^2/NDF : 65.4/44

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 81.252 $\pm$ 0.021 χ^2 /NDF: 811828.5/17

Left Out: 74.903 $\pm$ 0.012 χ^2 /NDF: 1661552.1/24

Right Out: 84.837 $\pm$ 0.021 χ^2 /NDF: 1724328.7/21

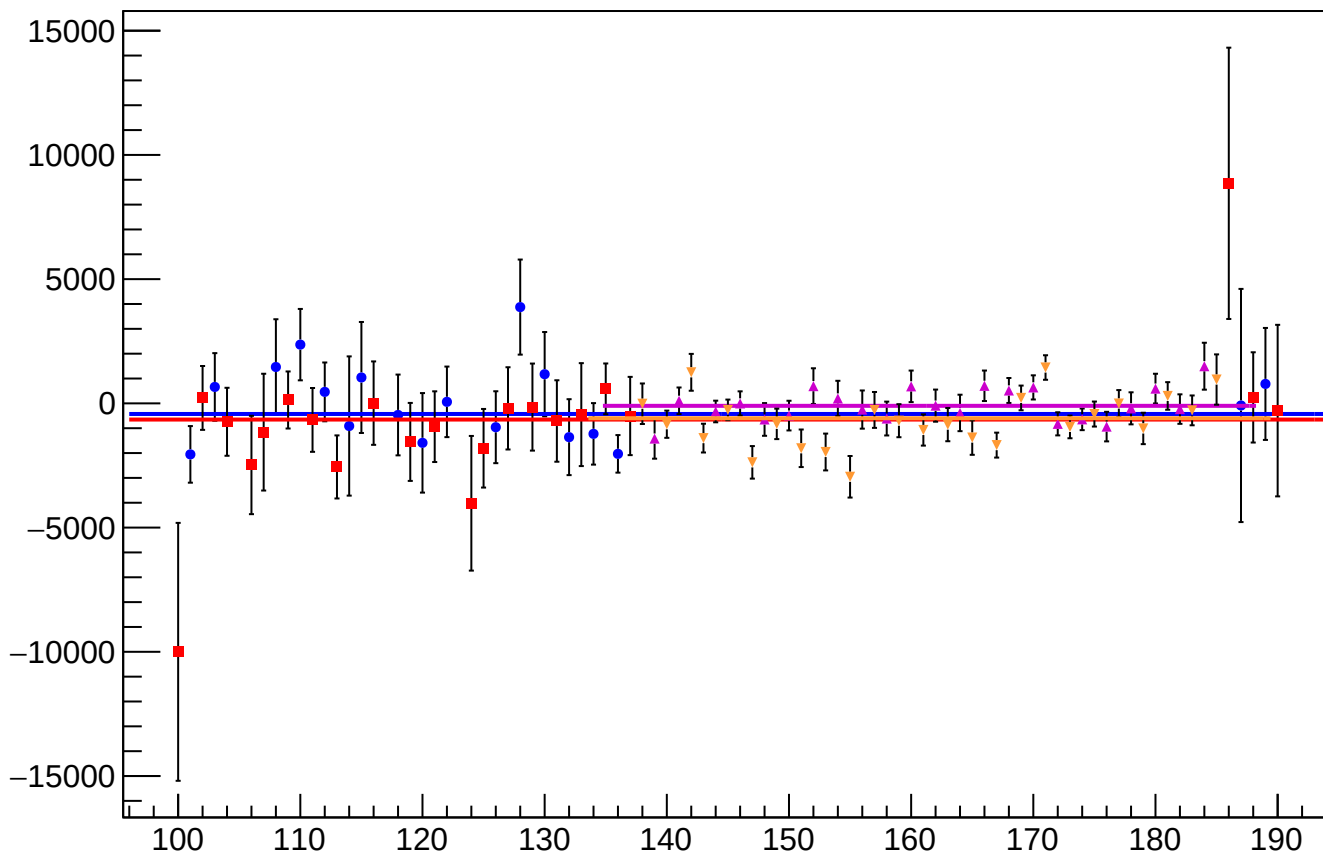
Left In: 75.156 $\pm$ 0.013 χ^2 /NDF: 1312543.0/22

+ sign 76.539 $\pm$ 0.011 χ^2 /NDF: 2539933.0/42

All: 77.139 $\pm$ 0.008 χ^2 /NDF: 5735830.8/87

- sign 77.765 $\pm$ 0.011 χ^2 /NDF: 3189548.6/44

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -427.023+/-344.990 χ^2/NDF : 20.6/17

Left Out: -598.826+/-119.324 χ^2/NDF : 65.0/24

Right Out: -651.748+/-343.704 χ^2/NDF : 14.9/21

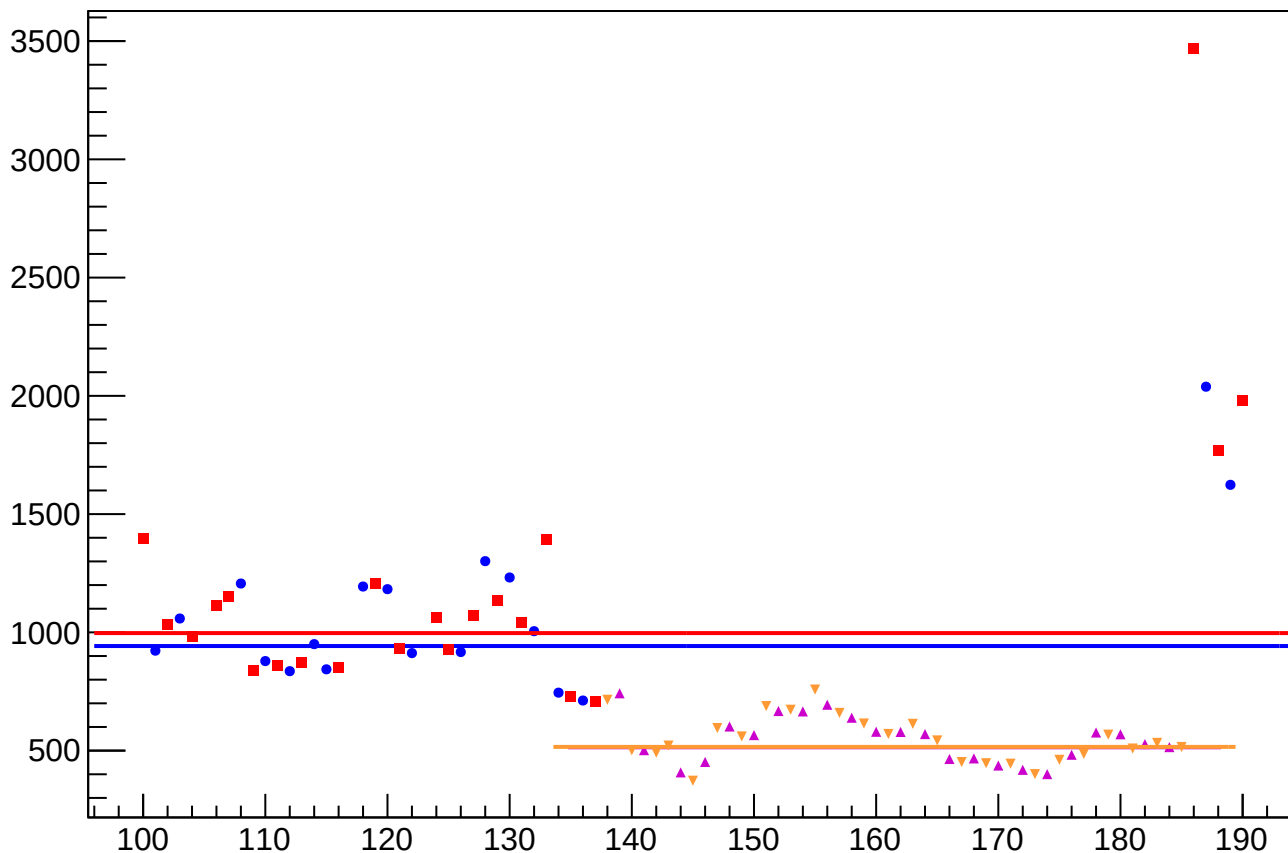
Left In: -99.102+/-122.310 χ^2/NDF : 23.7/22

+ sign -580.470+/-112.769 χ^2/NDF : 85.8/42

All: -375.373+/-80.596 χ^2/NDF : 133.5/87

- sign -161.221+/-115.232 χ^2/NDF : 40.9/44

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 942.189 ± 0.244 $\chi^2/\text{NDF}: 815912.7/17$

Left Out: 515.762 ± 0.084 $\chi^2/\text{NDF}: 1232478.6/24$

Right Out: 996.955 ± 0.243 $\chi^2/\text{NDF}: 1399545.9/21$

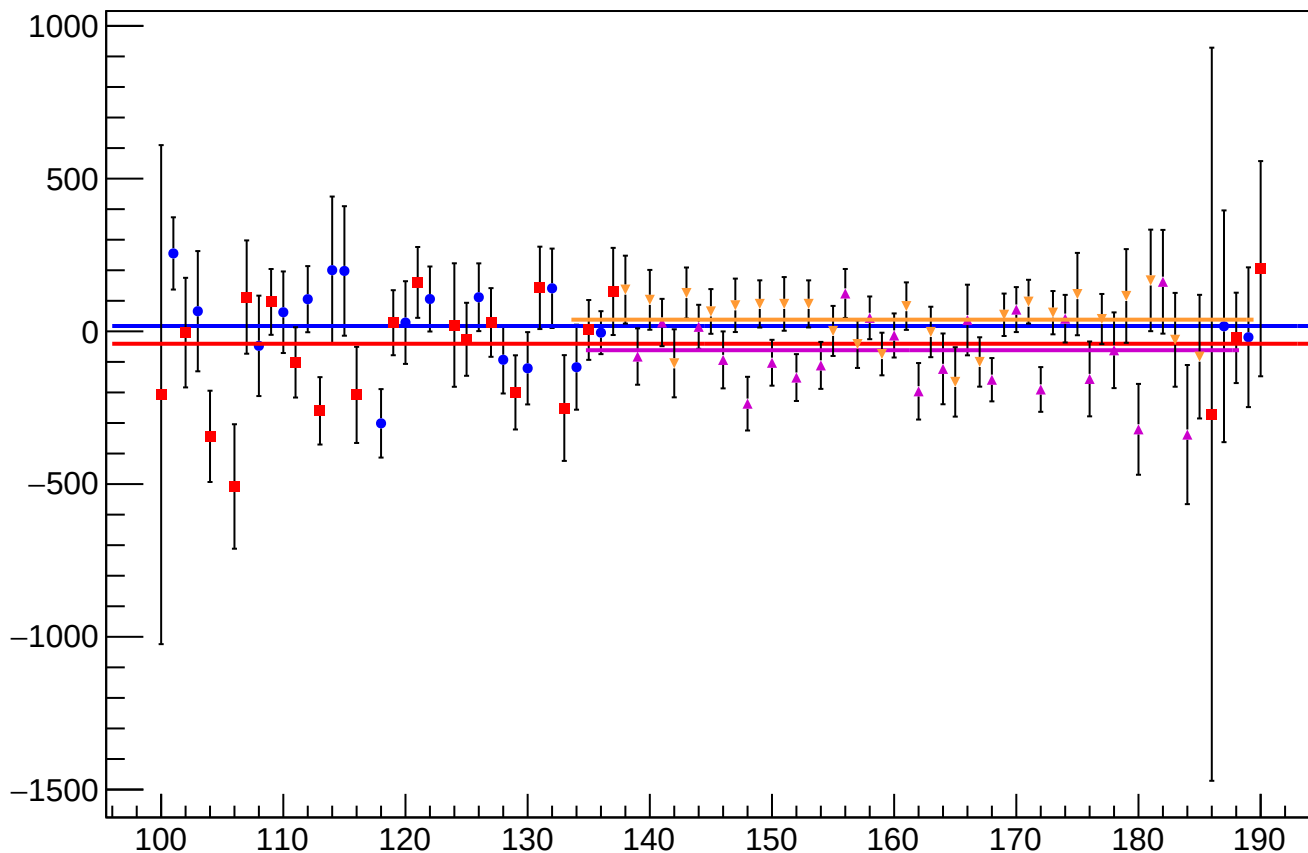
Left In: 514.088 ± 0.086 $\chi^2/\text{NDF}: 1116884.3/22$

+ sign 561.325 ± 0.080 $\chi^2/\text{NDF}: 4777578.7/42$

All: 564.768 ± 0.057 $\chi^2/\text{NDF}: 10801552.7/81$

- sign 568.363 ± 0.081 $\chi^2/\text{NDF}: 6020162.7/44$

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 17.523+/-29.989 χ^2/NDF : 20.2/17

Left Out: 38.282+/-17.670 χ^2/NDF : 18.8/24

Right Out: -40.598+/-29.948 χ^2/NDF : 28.3/21

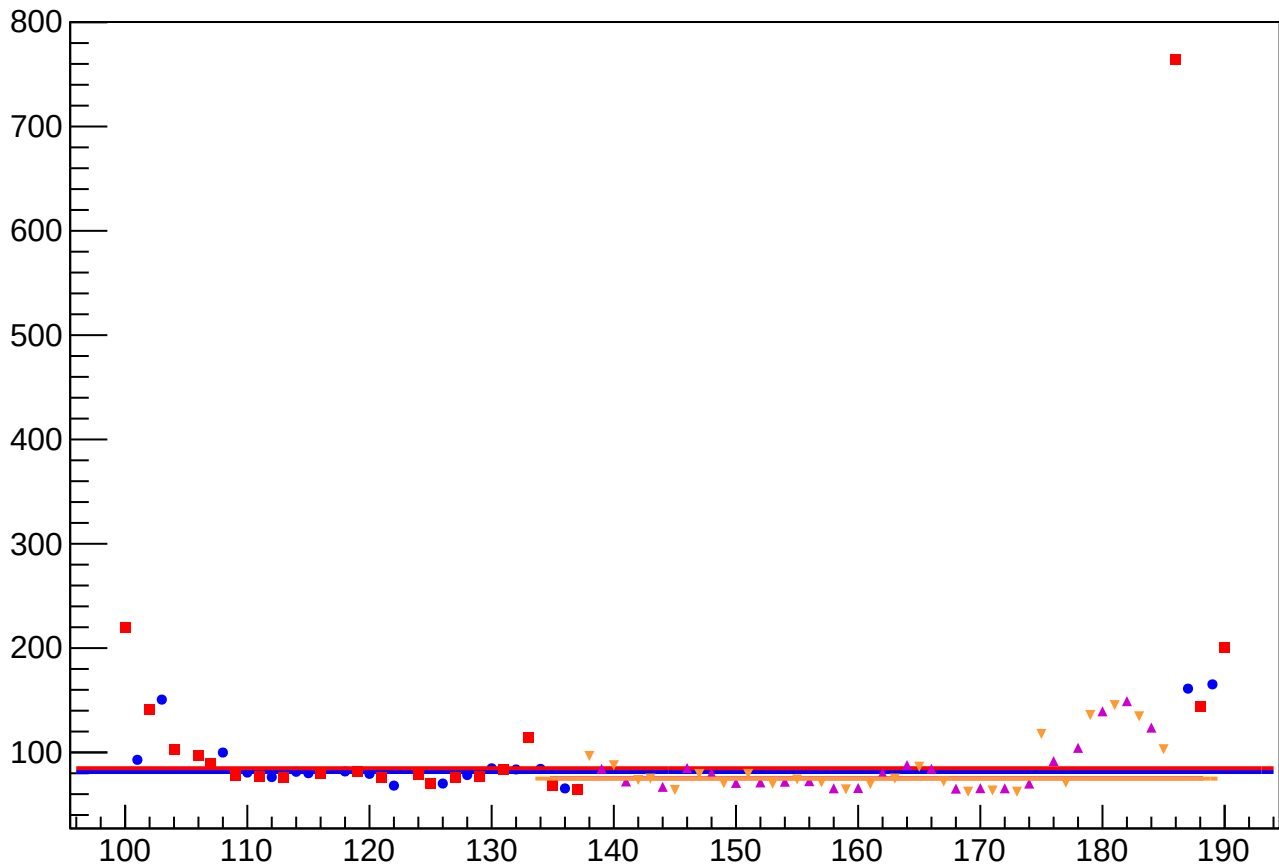
Left In: -61.723+/-18.192 χ^2/NDF : 36.7/22

+ sign 32.932+/-15.224 χ^2/NDF : 39.3/42

All: -10.611+/-10.878 χ^2/NDF : 121.4/87

- sign -56.029+/-15.548 χ^2/NDF : 65.4/44

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 81.252 $\pm$ 0.021 χ^2 /NDF: 811828.6/17

Left Out: 74.903 $\pm$ 0.012 χ^2 /NDF: 1661550.3/24

Right Out: 84.837 $\pm$ 0.021 χ^2 /NDF: 1724344.6/21

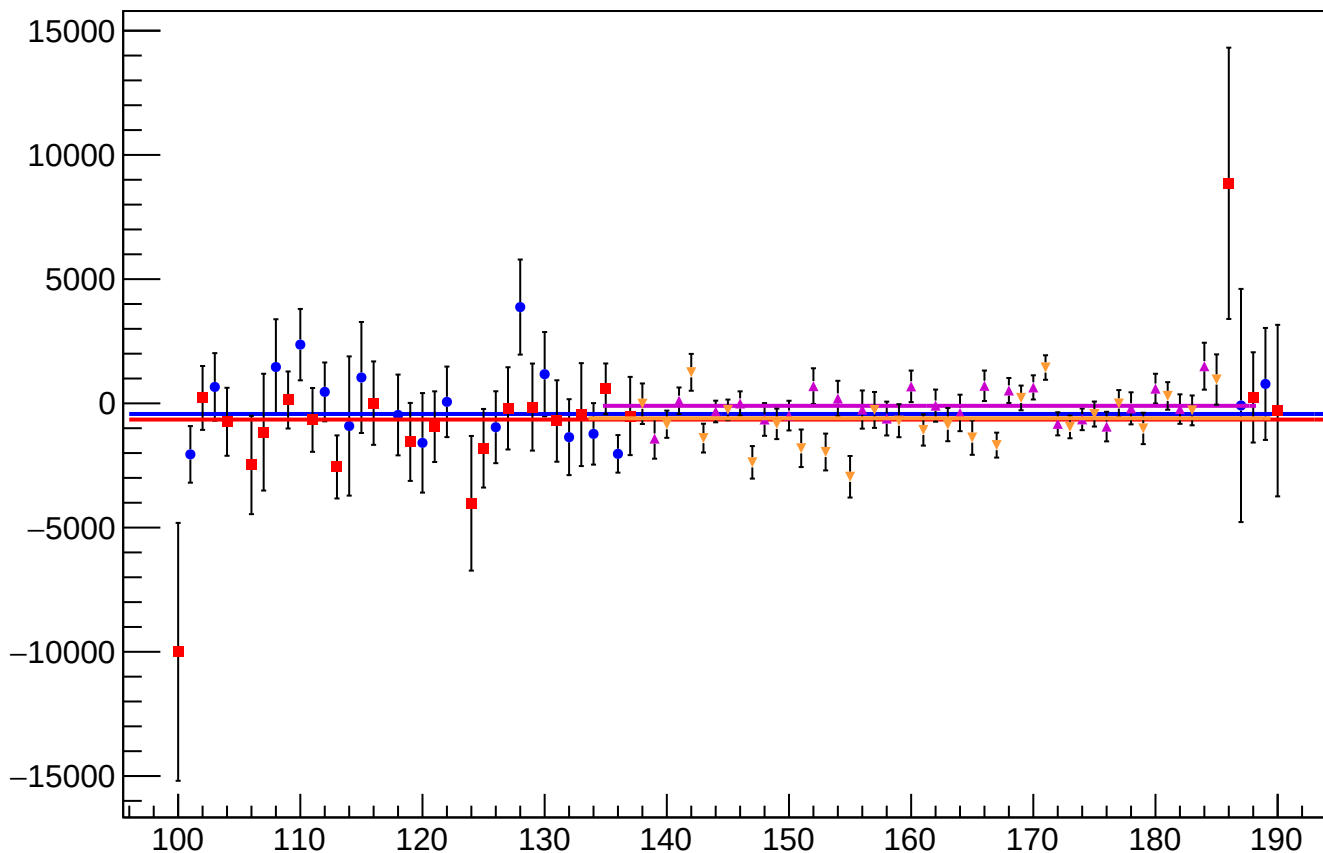
Left In: 75.156 $\pm$ 0.013 χ^2 /NDF: 1312527.7/22

+ sign 76.539 $\pm$ 0.011 χ^2 /NDF: 2539921.7/42

All: 77.139 $\pm$ 0.008 χ^2 /NDF: 5735806.7/87

- sign 77.765 $\pm$ 0.011 χ^2 /NDF: 3189535.5/44

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug



Right In: -427.020+/-344.989 χ^2/NDF : 20.6/17

Left Out: -598.825+/-119.324 χ^2/NDF : 65.0/24

Right Out: -651.747+/-343.704 χ^2/NDF : 14.9/21

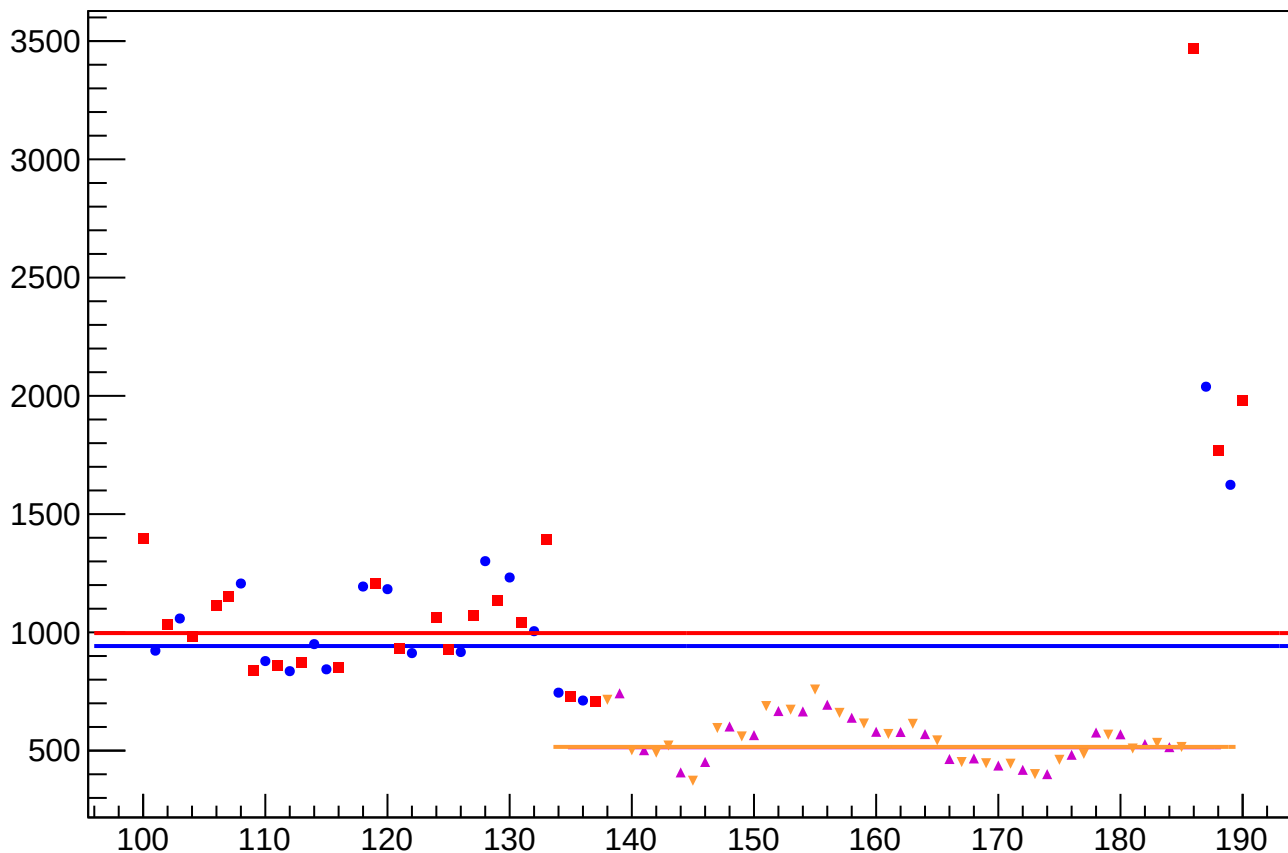
Left In: -99.101+/-122.310 χ^2/NDF : 23.7/22

+ sign -580.468+/-112.769 χ^2/NDF : 85.8/42

All: -375.372+/-80.596 χ^2/NDF : 133.5/87

- sign -161.220+/-115.231 χ^2/NDF : 40.9/44

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 942.187 $\pm$ 0.244 χ^2 /NDF: 815913.6/17

Left Out: 515.761 $\pm$ 0.084 χ^2 /NDF:1232481.1/24

Right Out: 996.952 $\pm$ 0.243 χ^2 /NDF: 1399548.1/21

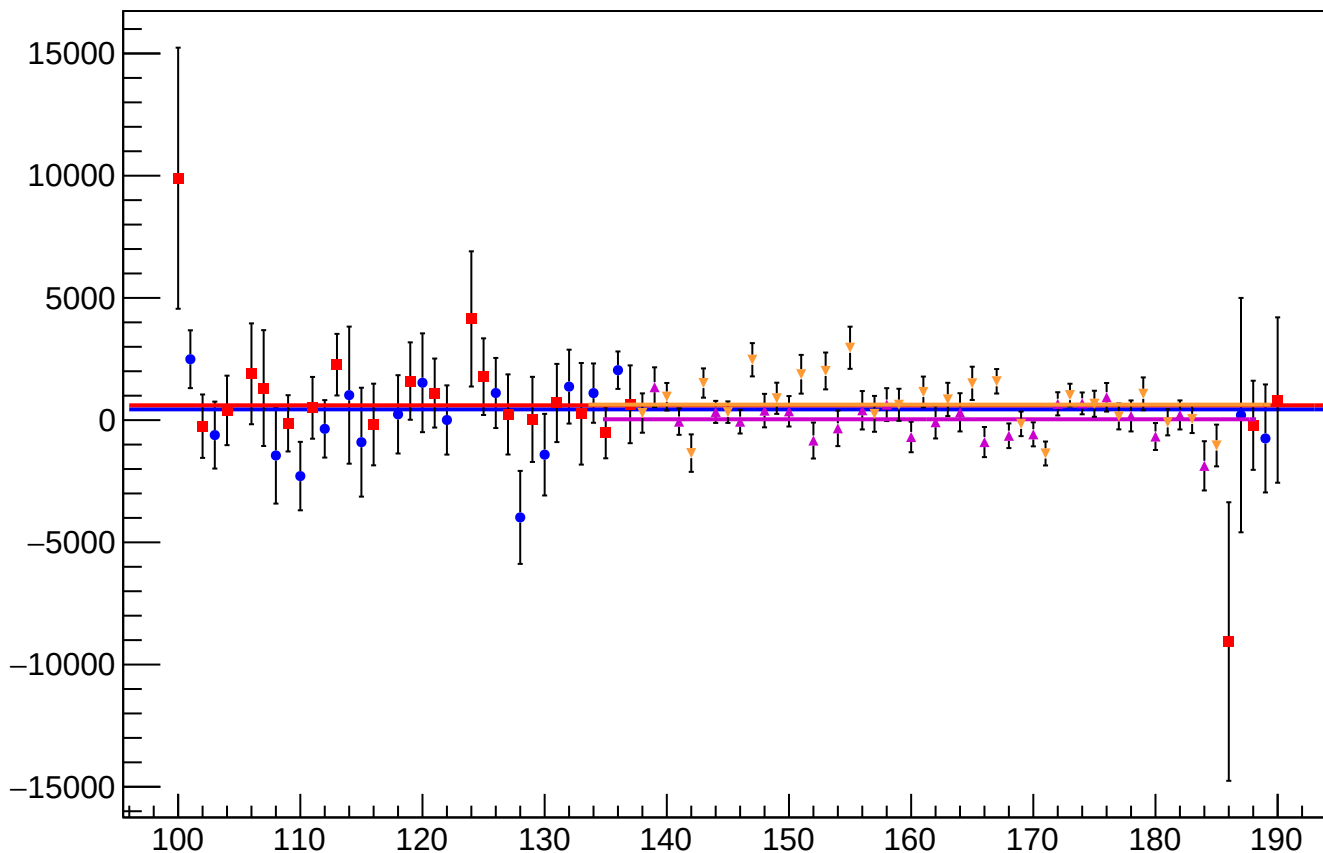
Left In: 514.087 $\pm$ 0.086 χ^2 /NDF:1116882.7/22

+ sign 561.324 $\pm$ 0.080 χ^2 /NDF: 4777579.4/42

All: 564.767 $\pm$ 0.057 χ^2 /NDF: 10801548.3/87

- sign 568.362 $\pm$ 0.081 χ^2 /NDF: 6020157.5/44

asym_sam_12345678_avg_mean vs Slug



Right In: 440.825 $\pm$ 345.153 χ^2 /NDF: 21.8/17

Left Out: 634.783 $\pm$ 120.717 χ^2 /NDF: 64.5/24

Right Out: 606.586 $\pm$ 345.531 χ^2 /NDF: 13.4/21

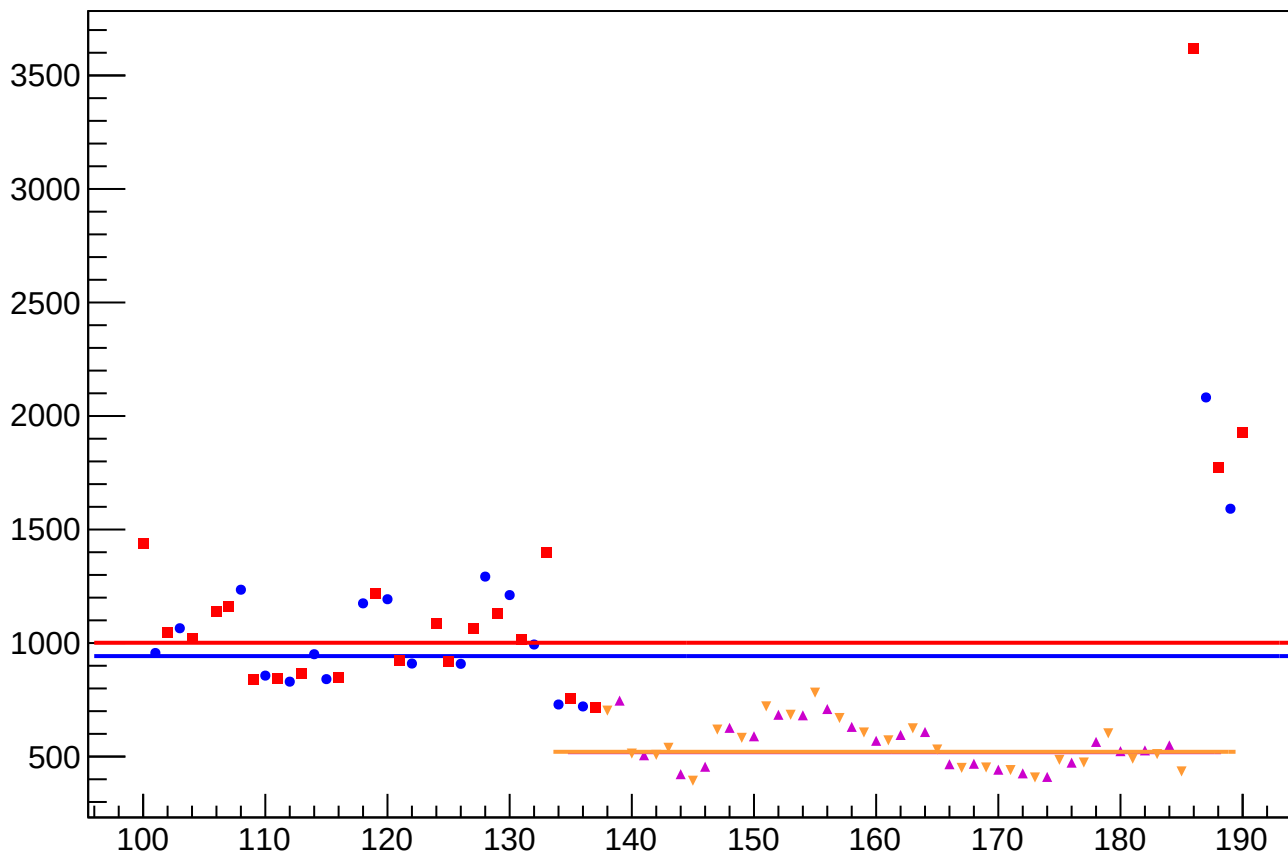
Left In: 34.808 $\pm$ 123.517 χ^2 /NDF: 25.1/22

+ sign 613.643 $\pm$ 113.949 χ^2 /NDF: 86.6/42

All: 361.889 $\pm$ 81.396 χ^2 /NDF: 137.5/87

- sign 99.594 $\pm$ 116.309 χ^2 /NDF: 41.0/44

asym_sam_12345678_avg_rms vs Slug



Right In: 942.537+/-0.244 χ^2/NDF : 802432.9/17

Left Out: 521.025+/-0.085 χ^2/NDF :1243003.9/24

Right Out: 1001.271+/-0.244 χ^2/NDF : 1386867.8/21

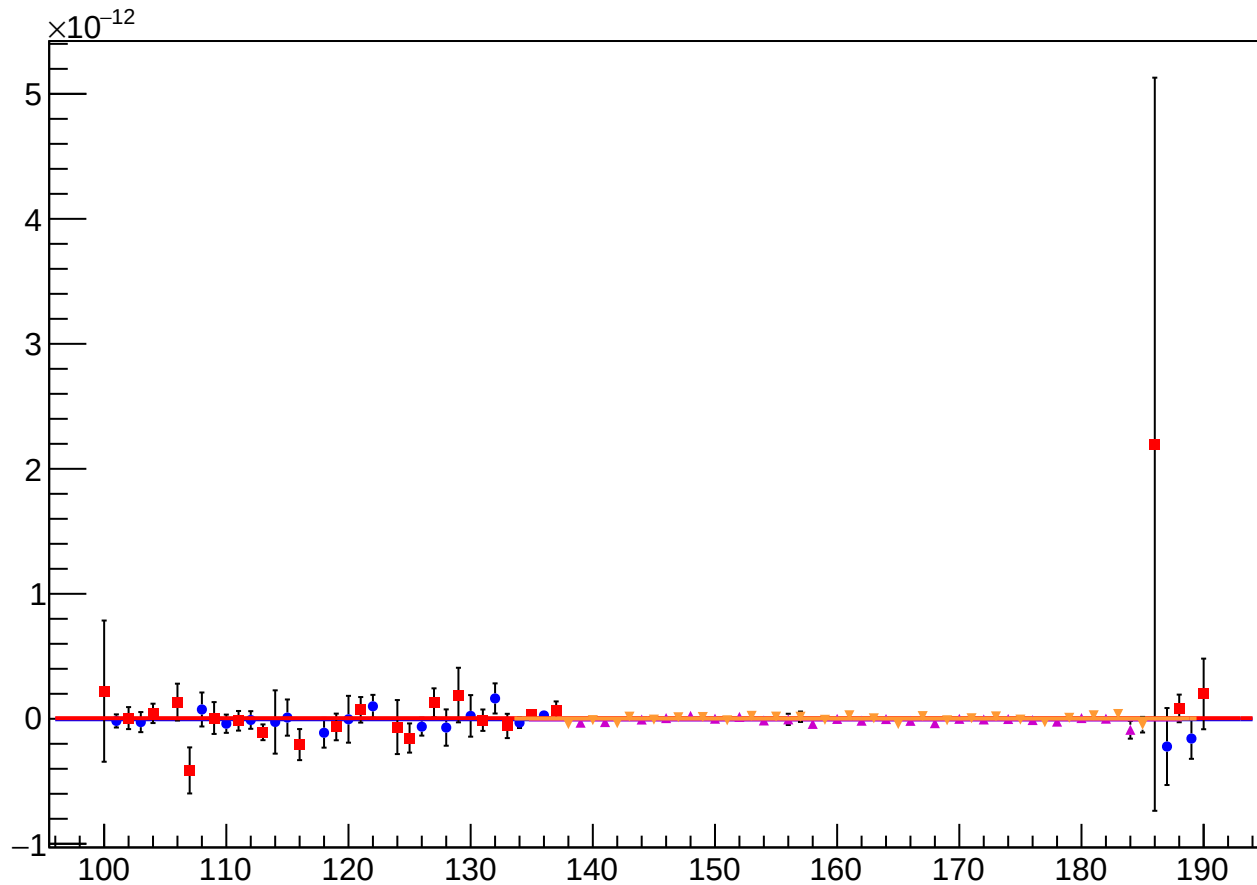
Left In: 519.239+/-0.087 χ^2/NDF :1100553.3/22

+ sign 566.967+/-0.081 χ^2/NDF : 4703155.7/42

All: 570.341+/-0.058 χ^2/NDF : 10645443.6/87

- sign 573.857+/-0.082 χ^2/NDF : 5938706.4/44

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000 $\pm$ 0.000 χ^2 /NDF: 8.5/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:22.4/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 21.0/21

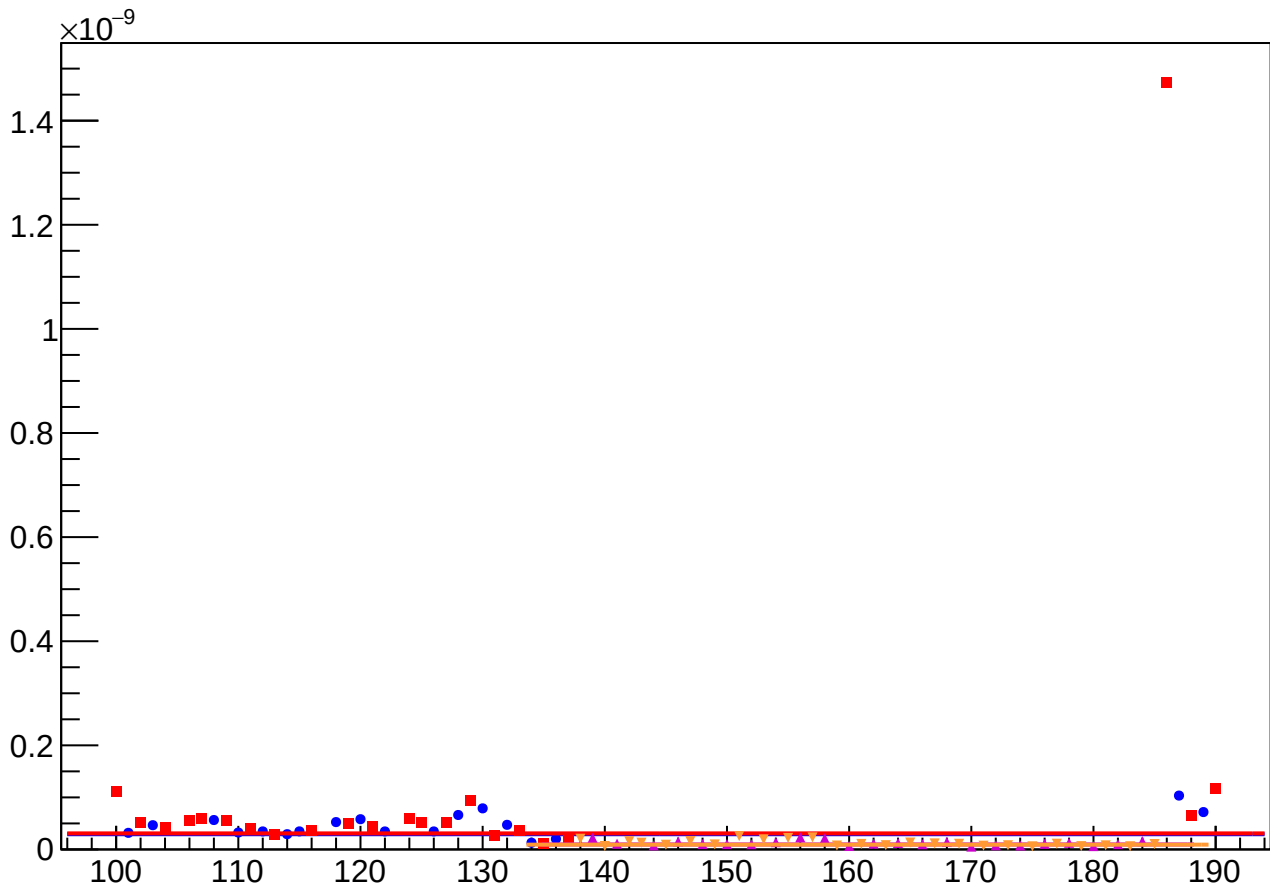
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF:10.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31.0/42

All: -0.000 $\pm$ 0.000 χ^2 /NDF: 64.5/87

- sign -0.000 $\pm$ 0.000 χ^2 /NDF: 32.0/44

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1409847.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2532077.7/21

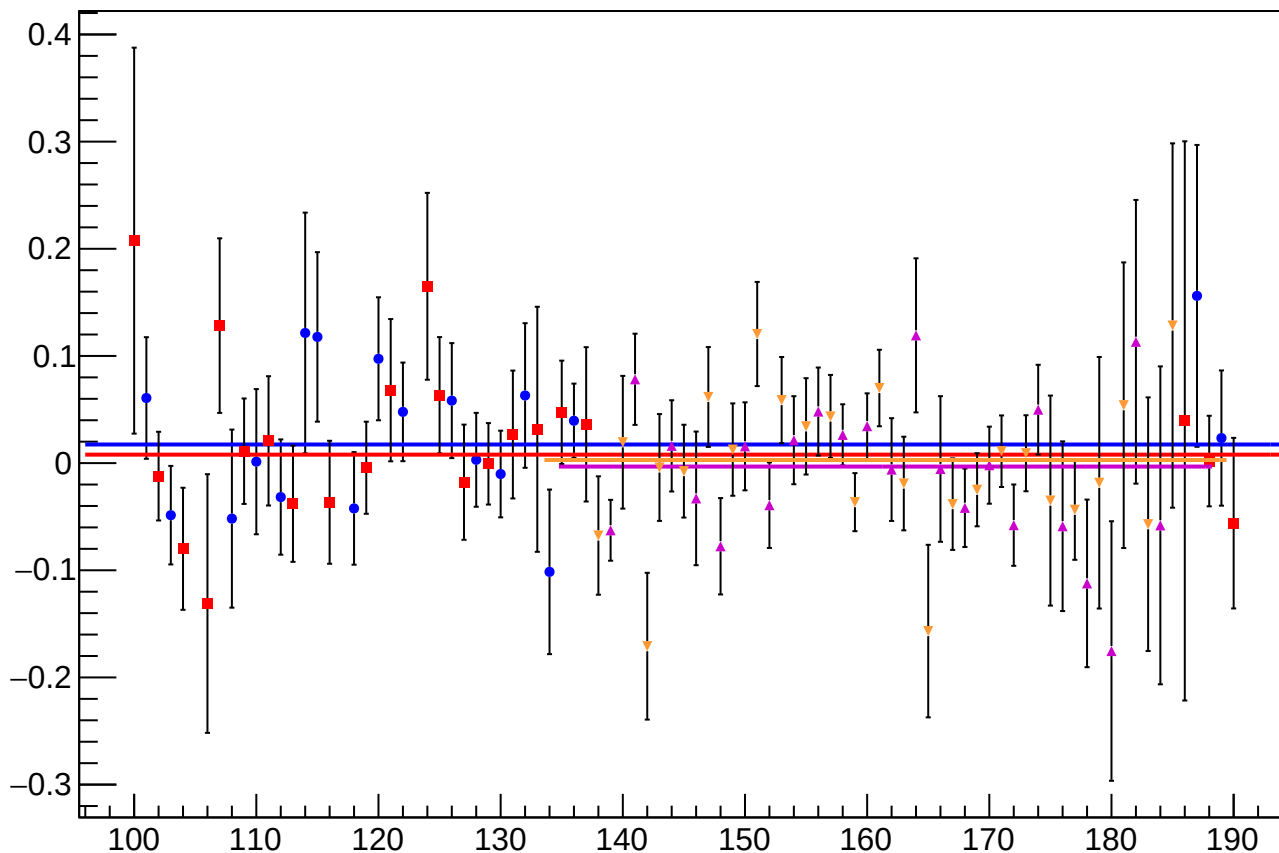
Left In: 0.000+/-0.000 χ^2/NDF : 1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 6026611.4/42

All: 0.000+/-0.000 χ^2/NDF : 12598313.1/87

- sign 0.000+/-0.000 χ^2/NDF : 6561033.9/44

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 ± 0.013 χ^2/NDF : 15.8/17

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: 0.008 ± 0.012 χ^2/NDF : 15.8/21

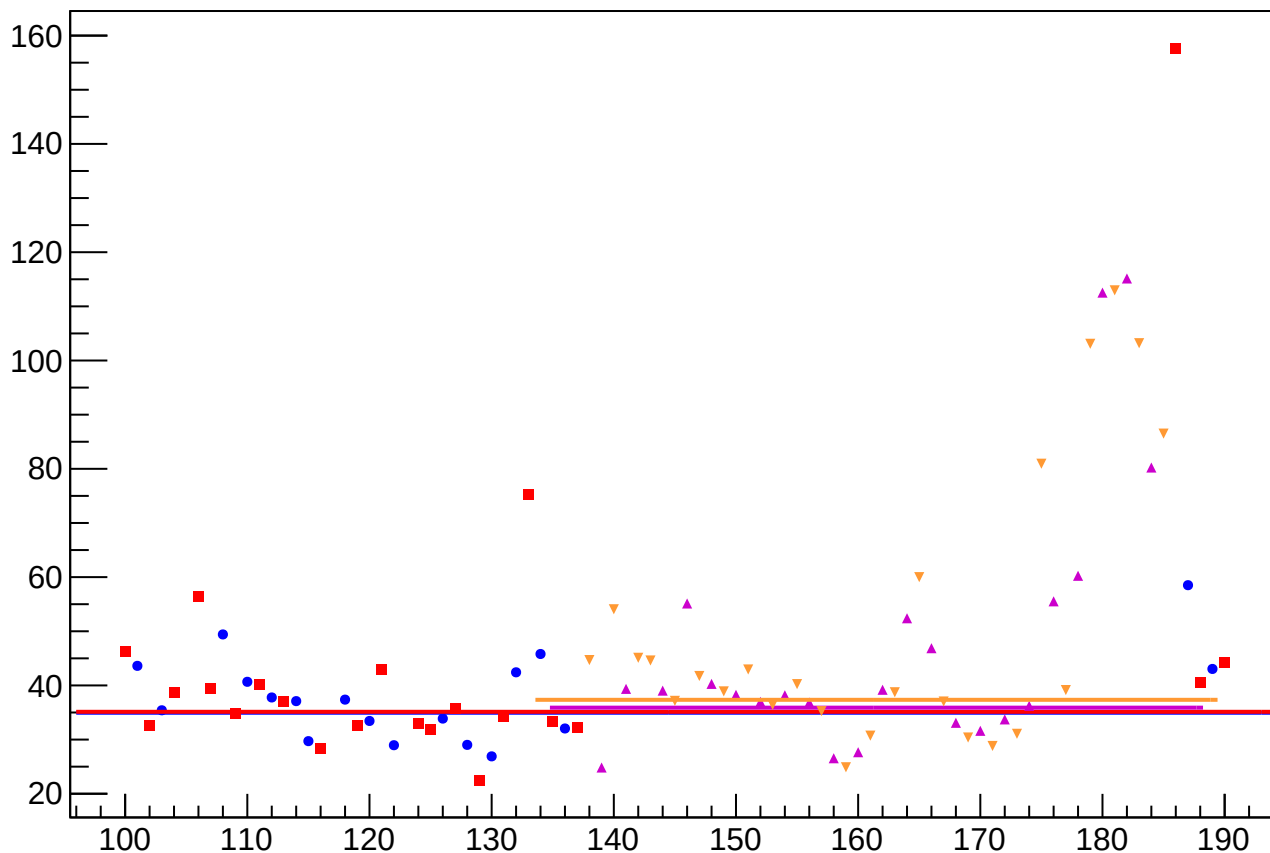
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign 0.008 ± 0.008 χ^2/NDF : 49.4/42

All: 0.004 ± 0.005 χ^2/NDF : 96.1/87

- sign 0.001 ± 0.007 χ^2/NDF : 46.2/44

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.959+/-0.009 χ^2/NDF : 460379.9/17

Left Out: 37.344+/-0.007 χ^2/NDF : 3696647.0/24

Right Out: 35.130+/-0.009 χ^2/NDF : 1154194.3/21

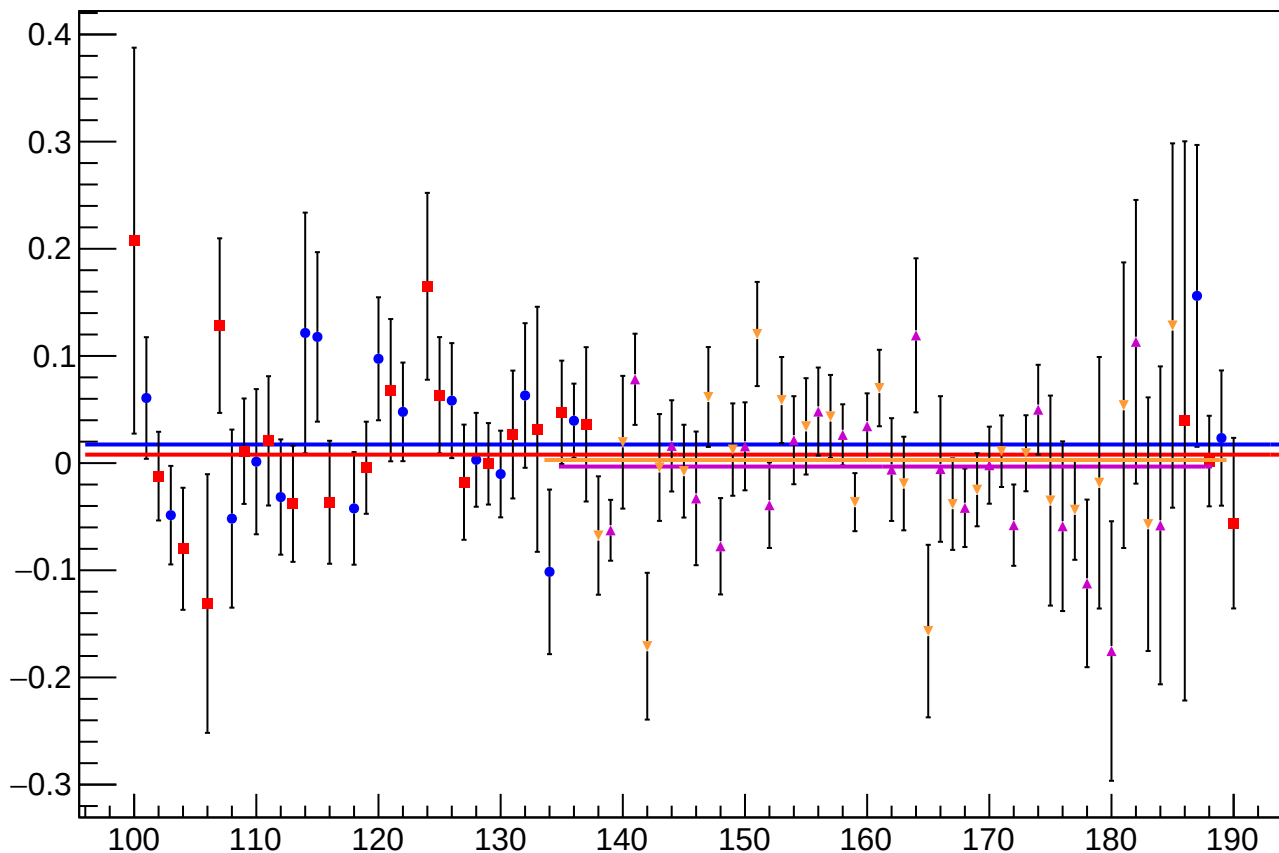
Left In: 35.896+/-0.006 χ^2/NDF : 3138291.6/22

+ sign 36.545+/-0.005 χ^2/NDF : 4201458.4/42

All: 36.075+/-0.004 χ^2/NDF : 8514006.9/87

- sign 35.627+/-0.005 χ^2/NDF : 4297402.1/44

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.013 χ^2/NDF : 15.8/17

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: 0.008 ± 0.012 χ^2/NDF : 15.8/21

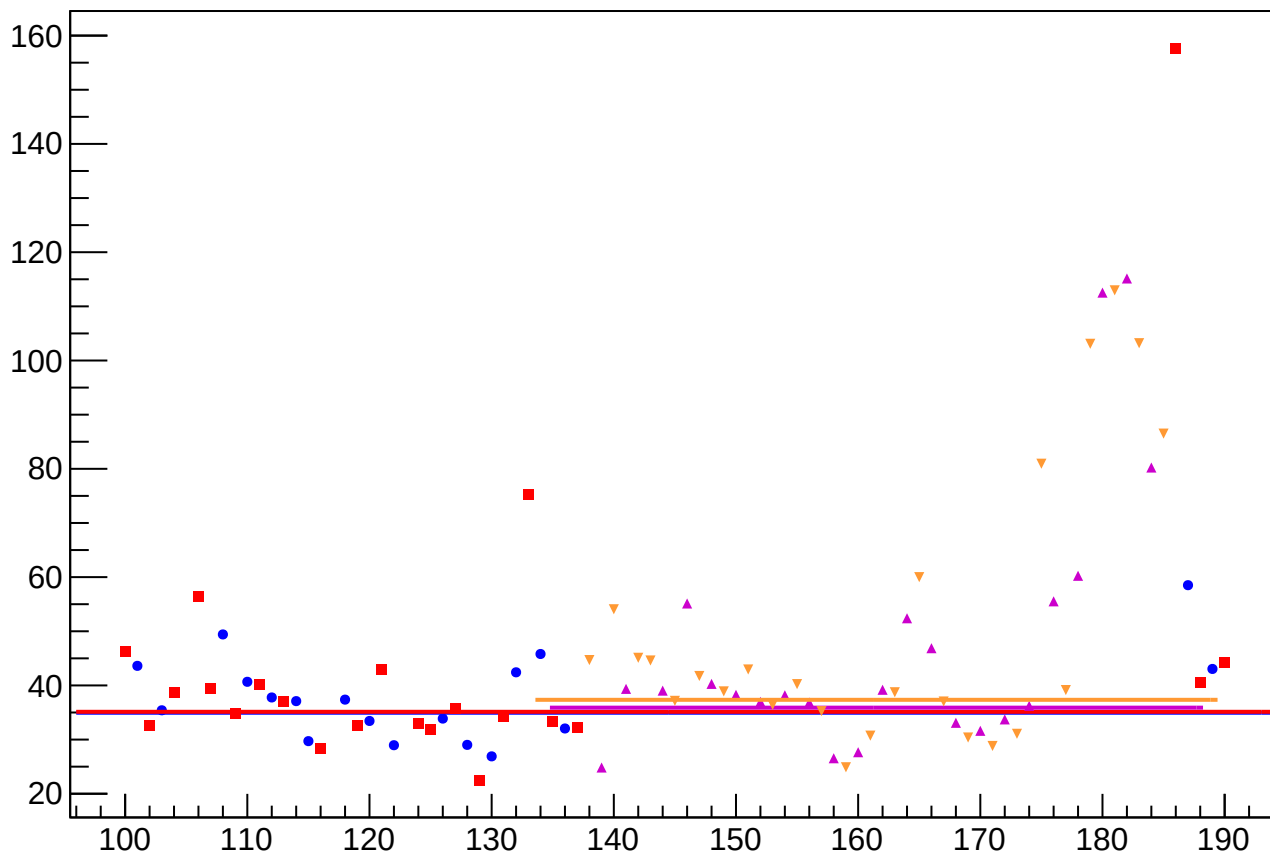
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign 0.008 ± 0.008 χ^2/NDF : 49.4/42

All: 0.004 ± 0.005 χ^2/NDF : 96.1/87

- sign 0.001 ± 0.007 χ^2/NDF : 46.2/44

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.959+/-0.009 χ^2 /NDF: 460379.9/17

Left Out: 37.344+/-0.007 χ^2 /NDF:3696647.0/24

Right Out: 35.130+/-0.009 χ^2 /NDF: 1154194.3/21

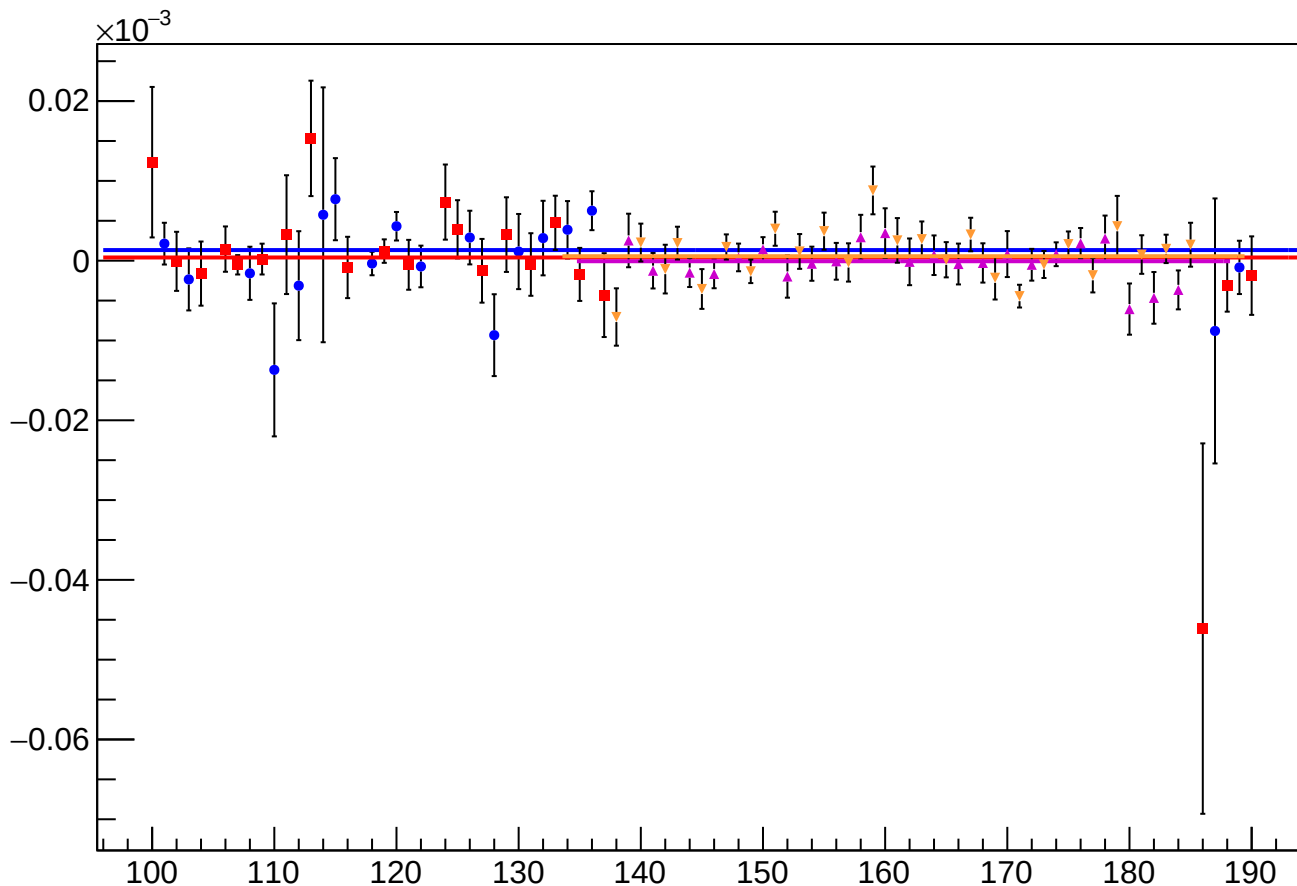
Left In: 35.896+/-0.006 χ^2 /NDF:3138291.6/22

+ sign 36.545+/-0.005 χ^2 /NDF: 4201458.4/42

All: 36.075+/-0.004 χ^2 /NDF: 8514006.9/87

- sign 35.627+/-0.005 χ^2 /NDF: 4297402.1/44

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 21.8/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 43.5/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 19.5/21

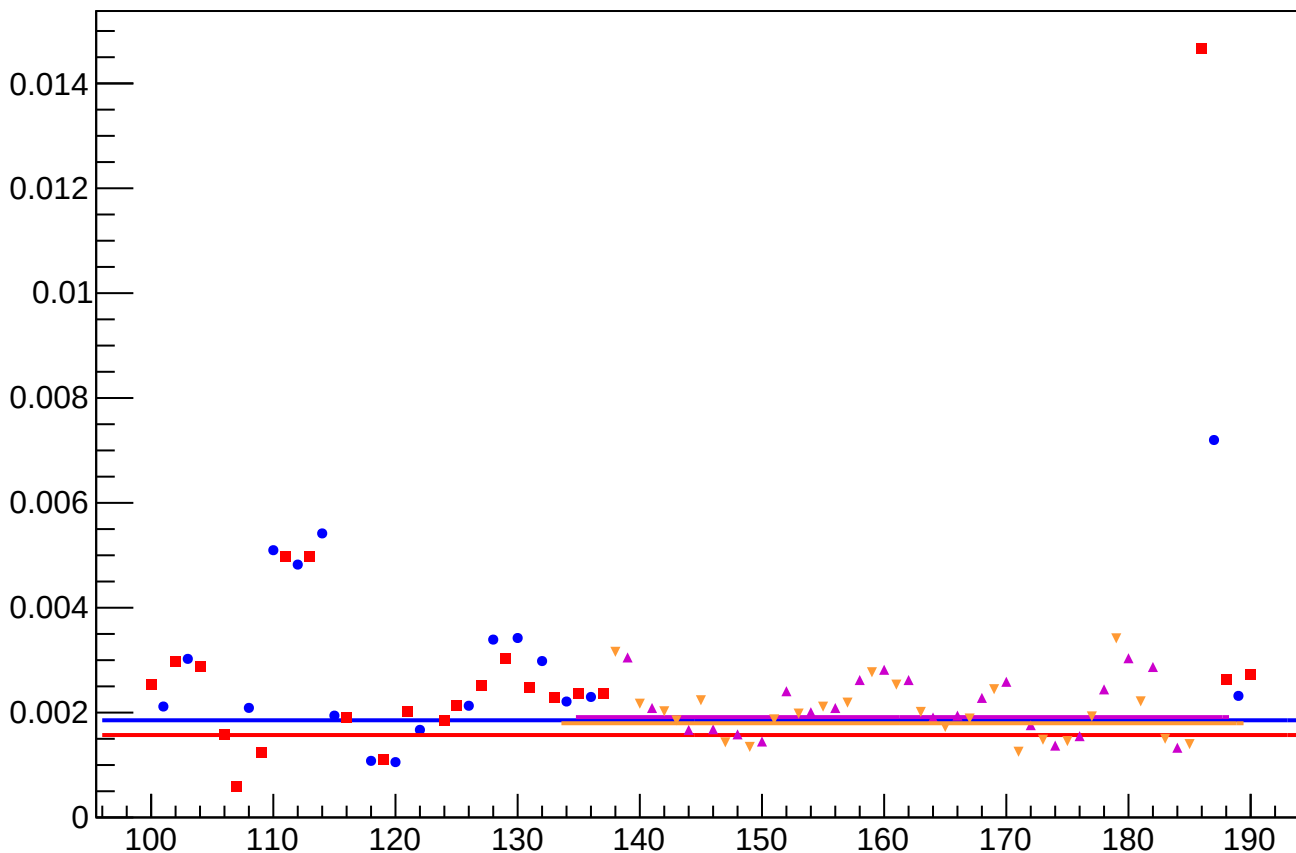
Left In: -0.000 ± 0.000 χ^2/NDF : 16.9/22

+ sign 0.000 ± 0.000 χ^2/NDF : 66.2/42

All: 0.000 ± 0.000 χ^2/NDF : 104.5/87

- sign 0.000 ± 0.000 χ^2/NDF : 36.8/44

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2820606.0/17

Left Out: 0.002+/-0.000 χ^2/NDF : 2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4673699.6/21

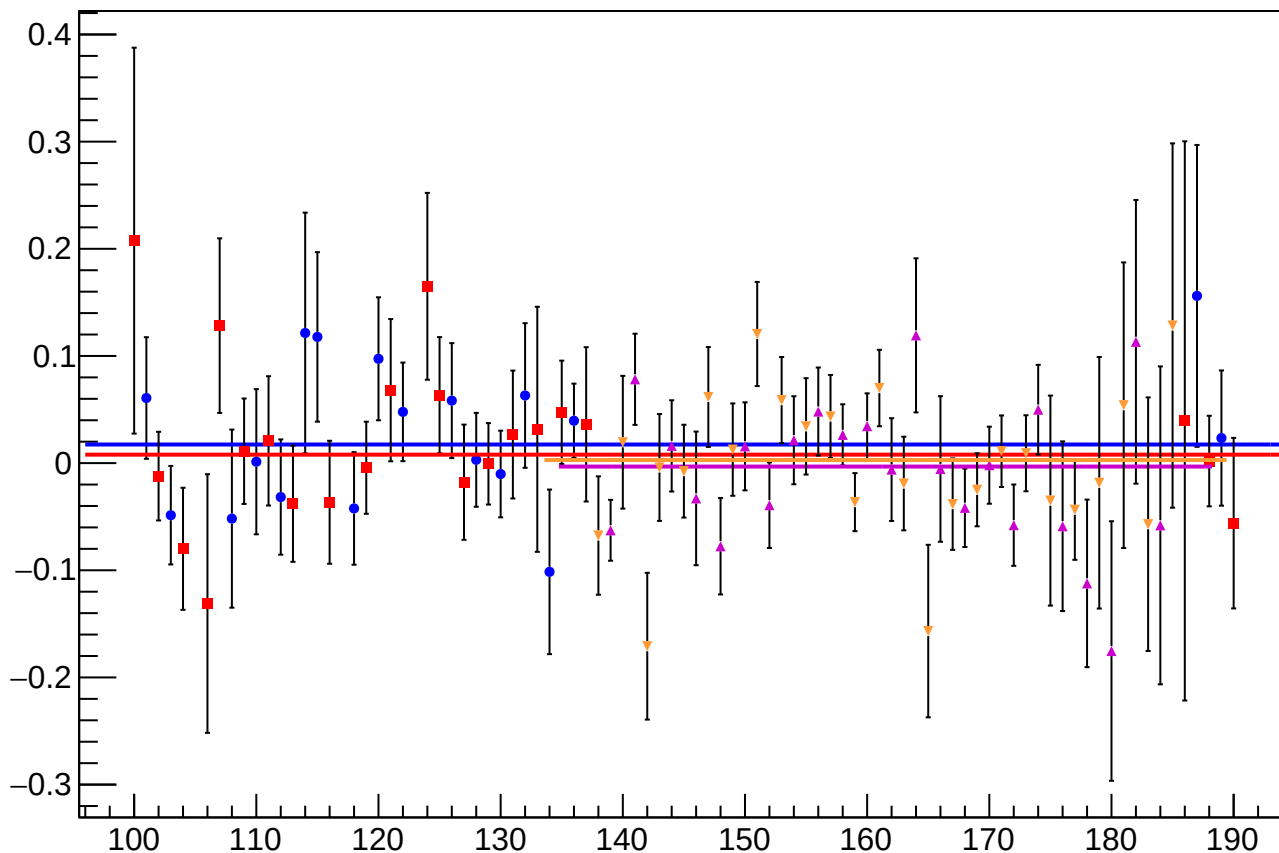
Left In: 0.002+/-0.000 χ^2/NDF : 2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 5108844.5/42

All: 0.002+/-0.000 χ^2/NDF : 12339174.0/87

- sign 0.002+/-0.000 χ^2/NDF : 7227946.1/44

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017 $\pm$ 0.013 χ^2 /NDF: 15.8/17

Left Out: 0.003 $\pm$ 0.009 χ^2 /NDF:32.9/24

Right Out: 0.008 $\pm$ 0.012 χ^2 /NDF: 15.8/21

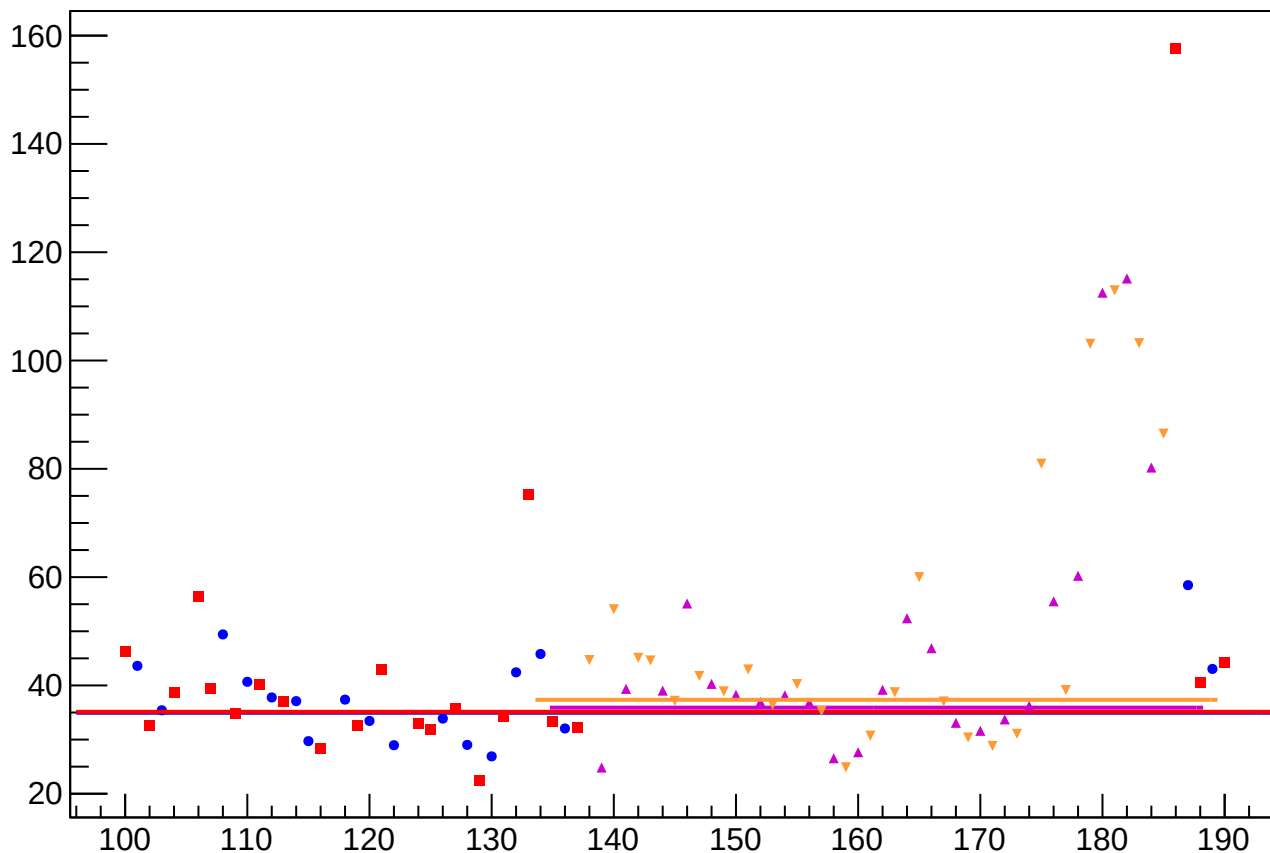
Left In: -0.003 $\pm$ 0.009 χ^2 /NDF:29.8/22

+ sign 0.008 $\pm$ 0.008 χ^2 /NDF: 49.4/42

All: 0.004 $\pm$ 0.005 χ^2 /NDF: 96.1/87

- sign 0.001 $\pm$ 0.007 χ^2 /NDF: 46.2/44

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.959+/-0.009 χ^2/NDF : 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF : 3696697.3/24

Right Out: 35.130+/-0.009 χ^2/NDF : 1154274.5/21

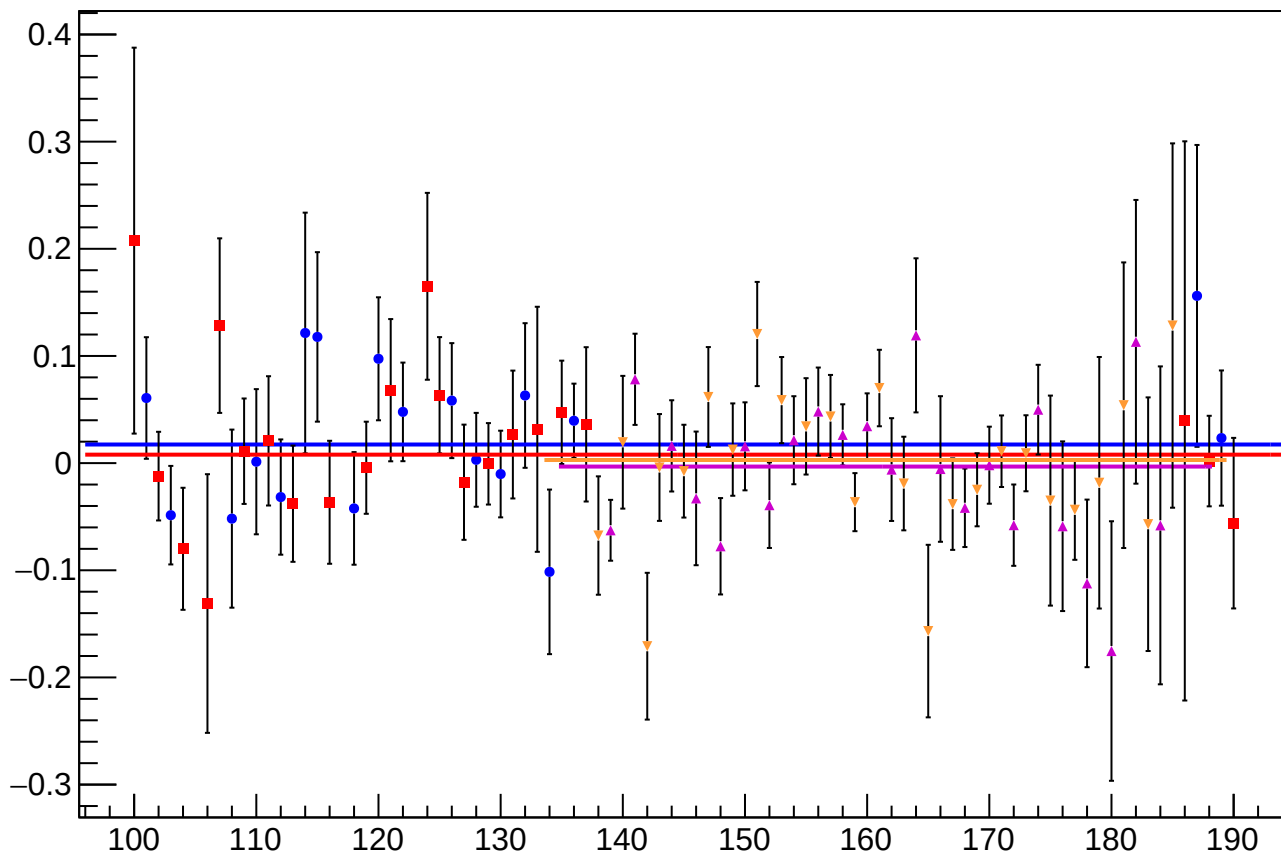
Left In: 35.896+/-0.006 χ^2/NDF : 3138307.4/22

+ sign 36.545+/-0.005 χ^2/NDF : 4201616.4/42

All: 36.075+/-0.004 χ^2/NDF : 8514263.8/87

- sign 35.627+/-0.005 χ^2/NDF : 4297507.3/44

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017 ± 0.013 χ^2/NDF : 15.8/17

Left Out: 0.003 ± 0.009 χ^2/NDF : 32.9/24

Right Out: 0.008 ± 0.012 χ^2/NDF : 15.8/21

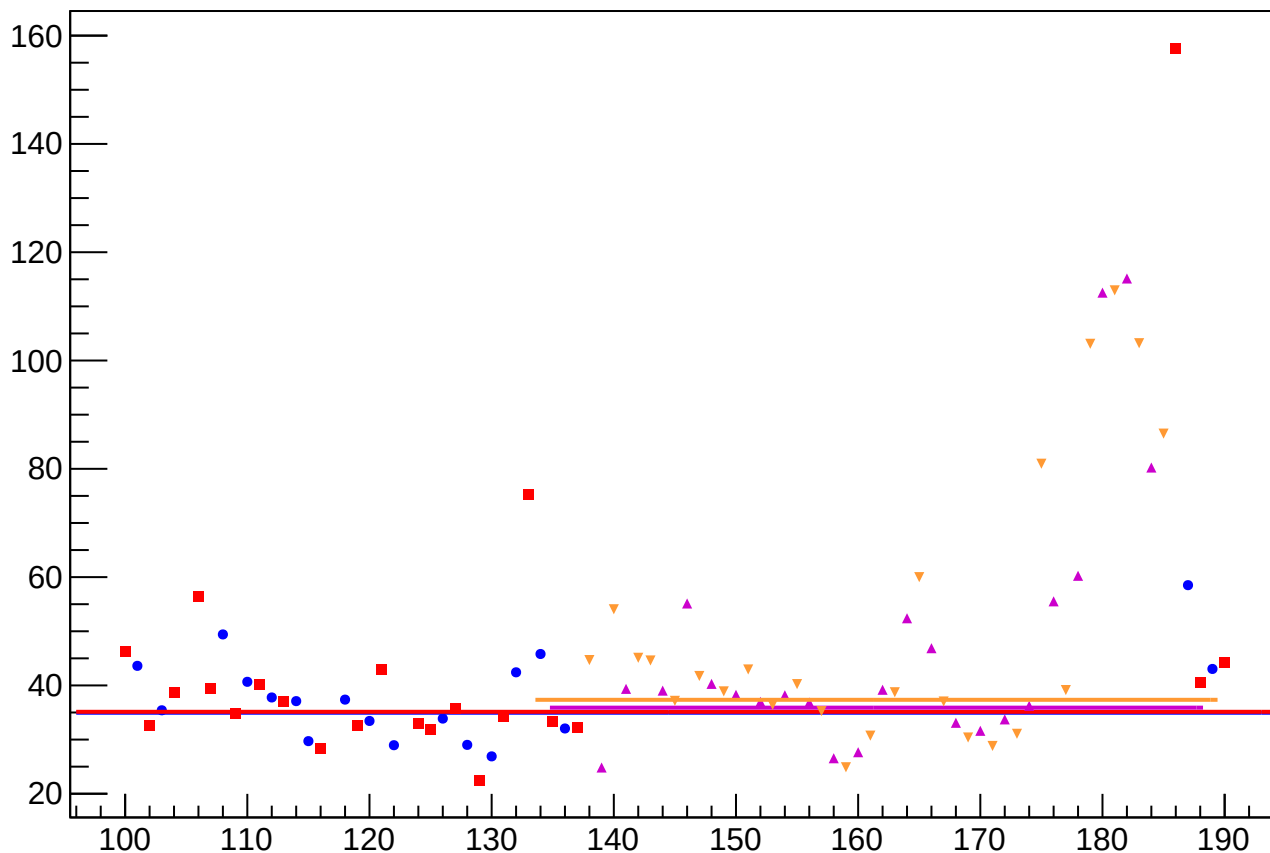
Left In: -0.003 ± 0.009 χ^2/NDF : 29.8/22

+ sign 0.008 ± 0.008 χ^2/NDF : 49.4/42

All: 0.004 ± 0.005 χ^2/NDF : 96.1/87

- sign 0.001 ± 0.007 χ^2/NDF : 46.2/44

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.959+/-0.009 χ^2/NDF : 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF : 3696697.3/24

Right Out: 35.130+/-0.009 χ^2/NDF : 1154274.5/21

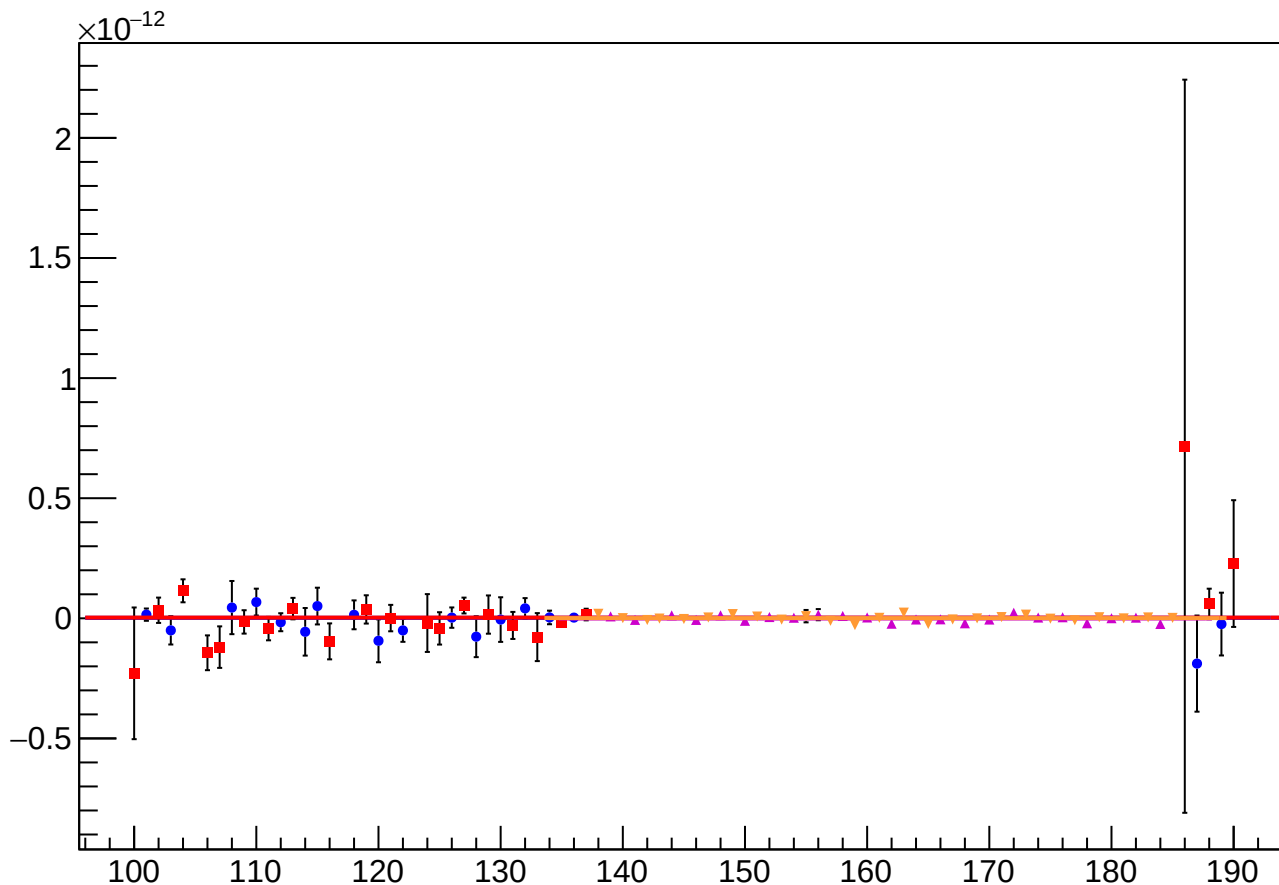
Left In: 35.896+/-0.006 χ^2/NDF : 3138307.4/22

+ sign 36.545+/-0.005 χ^2/NDF : 4201616.4/42

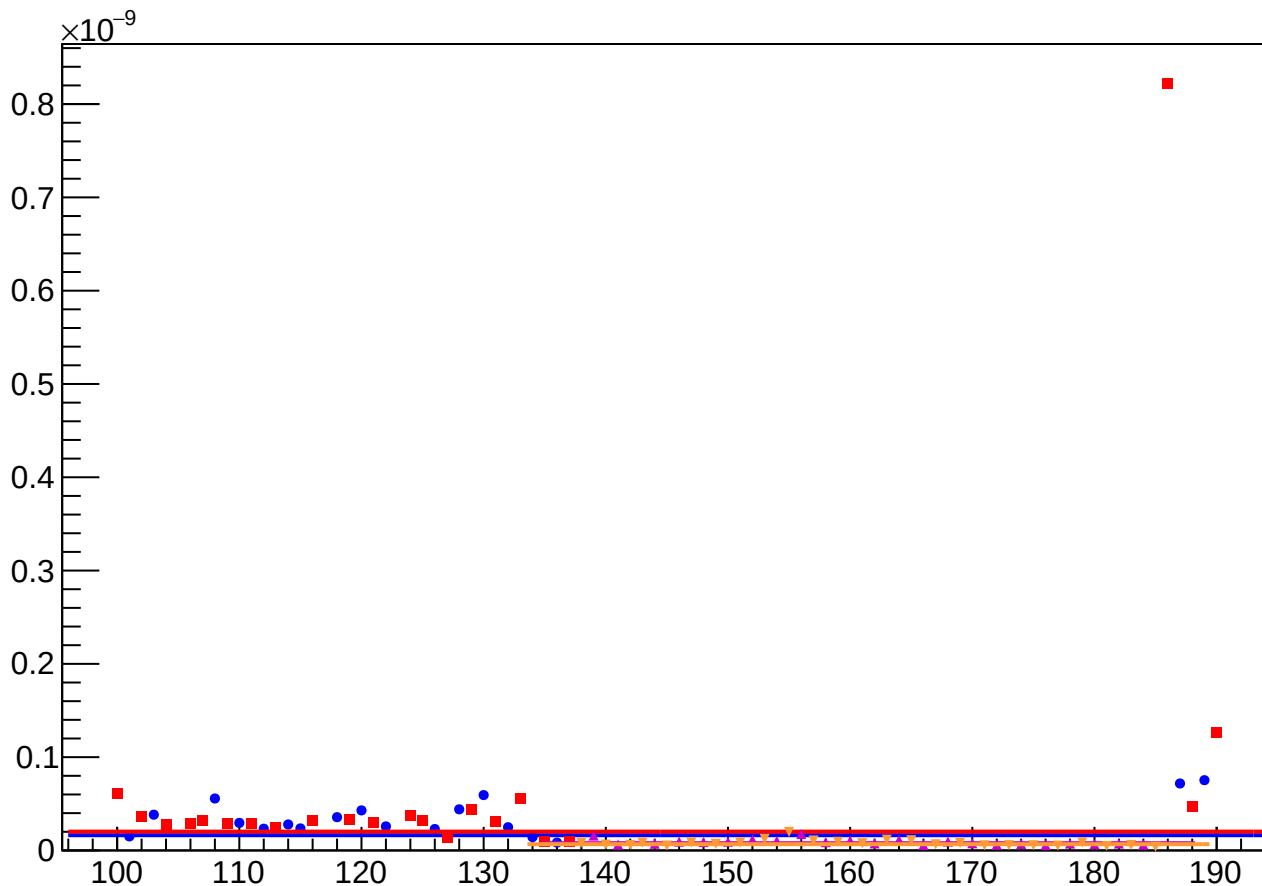
All: 36.075+/-0.004 χ^2/NDF : 8514263.8/87

- sign 35.627+/-0.005 χ^2/NDF : 4297507.3/44

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug



asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3386838.8/17

Left Out: 0.000+/-0.000 χ^2/NDF : 2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3697798.1/21

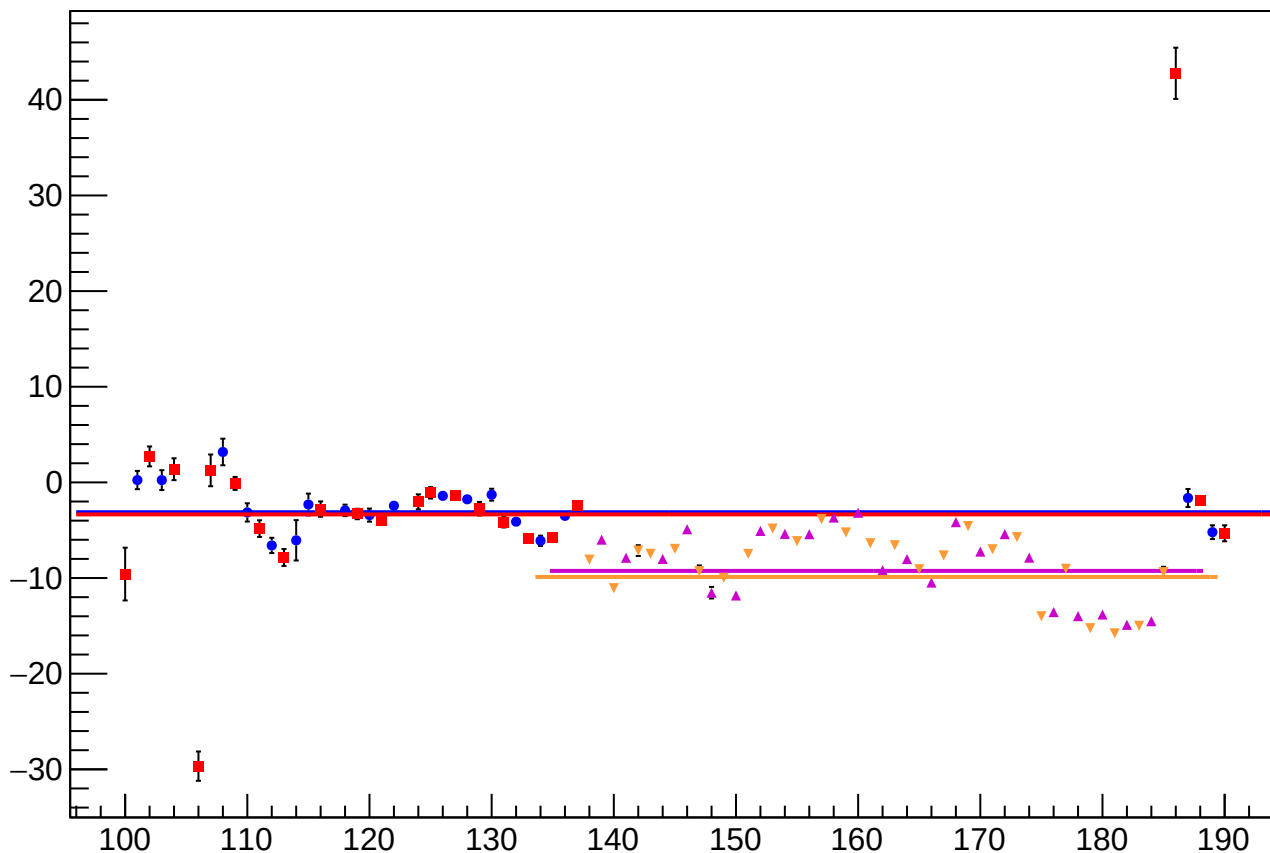
Left In: 0.000+/-0.000 χ^2/NDF : 1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF : 7911444.0/42

All: 0.000+/-0.000 χ^2/NDF : 16410567.6/87

- sign 0.000+/-0.000 χ^2/NDF : 8178066.1/44

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.119 ± 0.132 χ^2/NDF : 144.7/17

Left Out: -9.886 ± 0.070 χ^2/NDF : 3206.9/24

Right Out: -3.348 ± 0.127 χ^2/NDF : 861.8/21

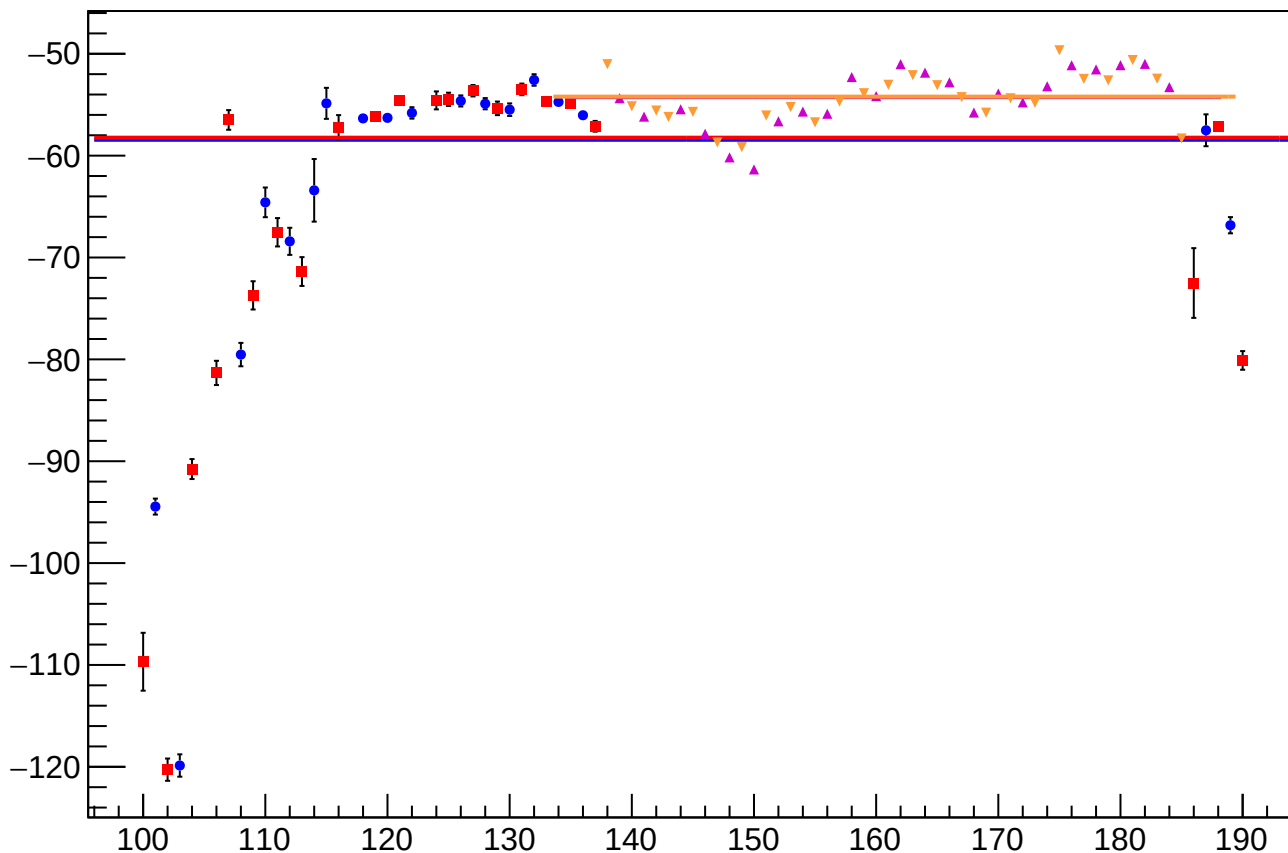
Left In: -9.255 ± 0.072 χ^2/NDF : 3067.6/22

+ sign -8.410 ± 0.061 χ^2/NDF : 5418.0/42

All: -8.124 ± 0.044 χ^2/NDF : 11032.4/87

- sign -7.829 ± 0.062 χ^2/NDF : 5570.4/44

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.441 ± 0.133 χ^2/NDF : 6241.4/17

Left Out: -54.206 ± 0.056 χ^2/NDF : 1857.6/24

Right Out: -58.237 ± 0.132 χ^2/NDF : 6396.5/21

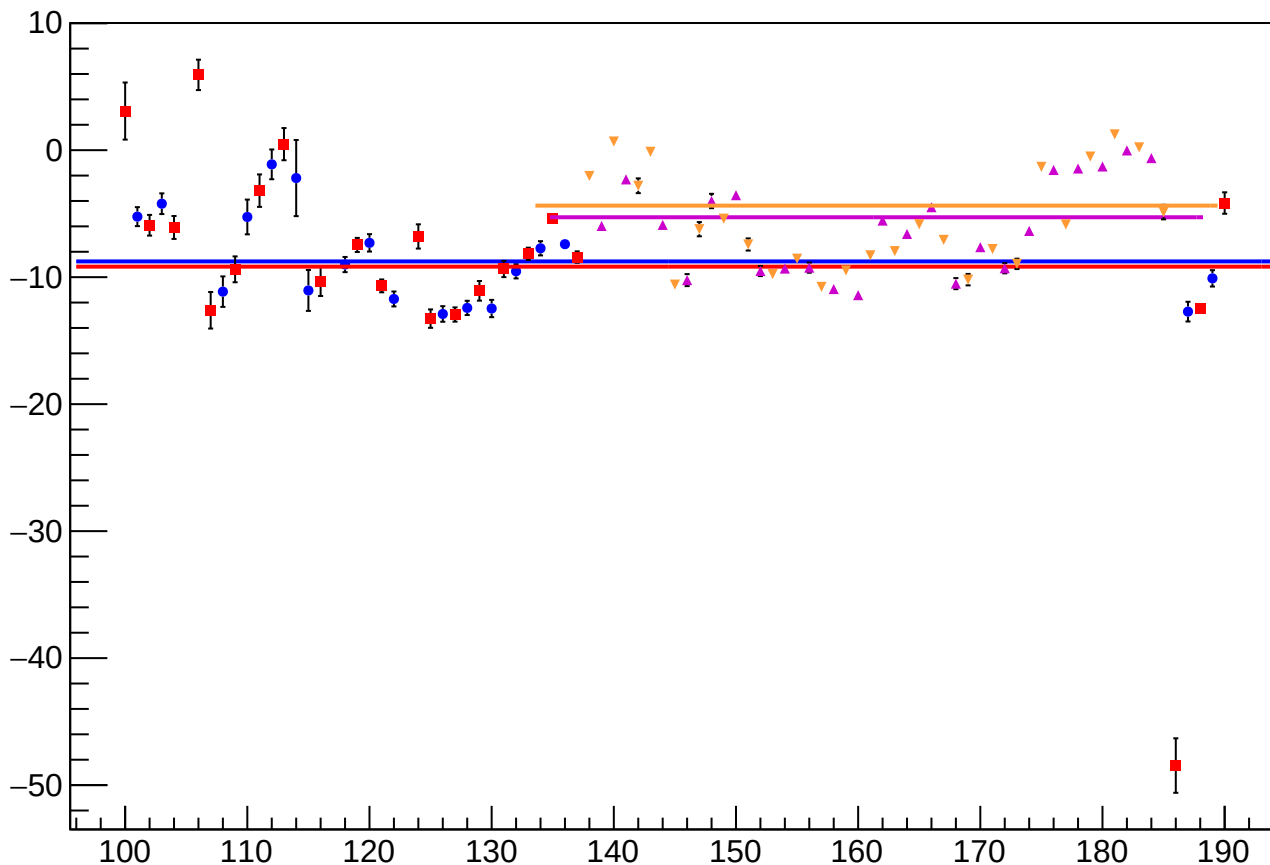
Left In: -54.257 ± 0.058 χ^2/NDF : 2489.9/22

+ sign -54.839 ± 0.051 χ^2/NDF : 8959.0/42

All: -54.873 ± 0.037 χ^2/NDF : 18610.8/87

- sign -54.910 ± 0.053 χ^2/NDF : 9650.8/44

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.760 ± 0.139 χ^2/NDF : 332.9/17

Left Out: -4.366 ± 0.069 χ^2/NDF : 3701.4/24

Right Out: -9.172 ± 0.130 χ^2/NDF : 1076.8/21

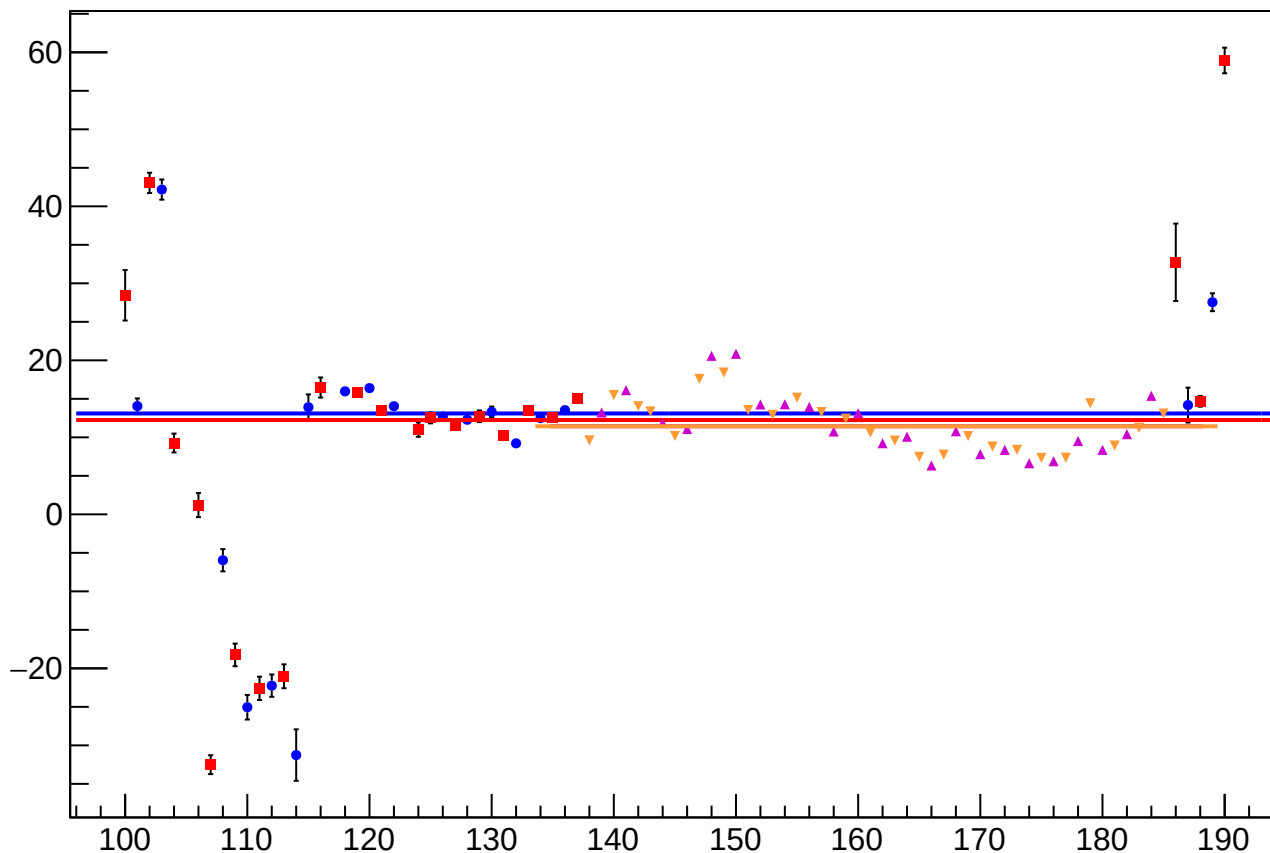
Left In: -5.283 ± 0.071 χ^2/NDF : 2750.2/22

+ sign -5.241 ± 0.062 χ^2/NDF : 4835.5/42

All: -5.704 ± 0.044 χ^2/NDF : 9461.6/87

- sign -6.174 ± 0.062 χ^2/NDF : 4513.5/44

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.100 $\pm$ 0.149 χ^2 /NDF: 2286.0/17

Left Out: 11.438 $\pm$ 0.062 χ^2 /NDF: 2435.7/24

Right Out: 12.244 $\pm$ 0.151 χ^2 /NDF: 4327.8/21

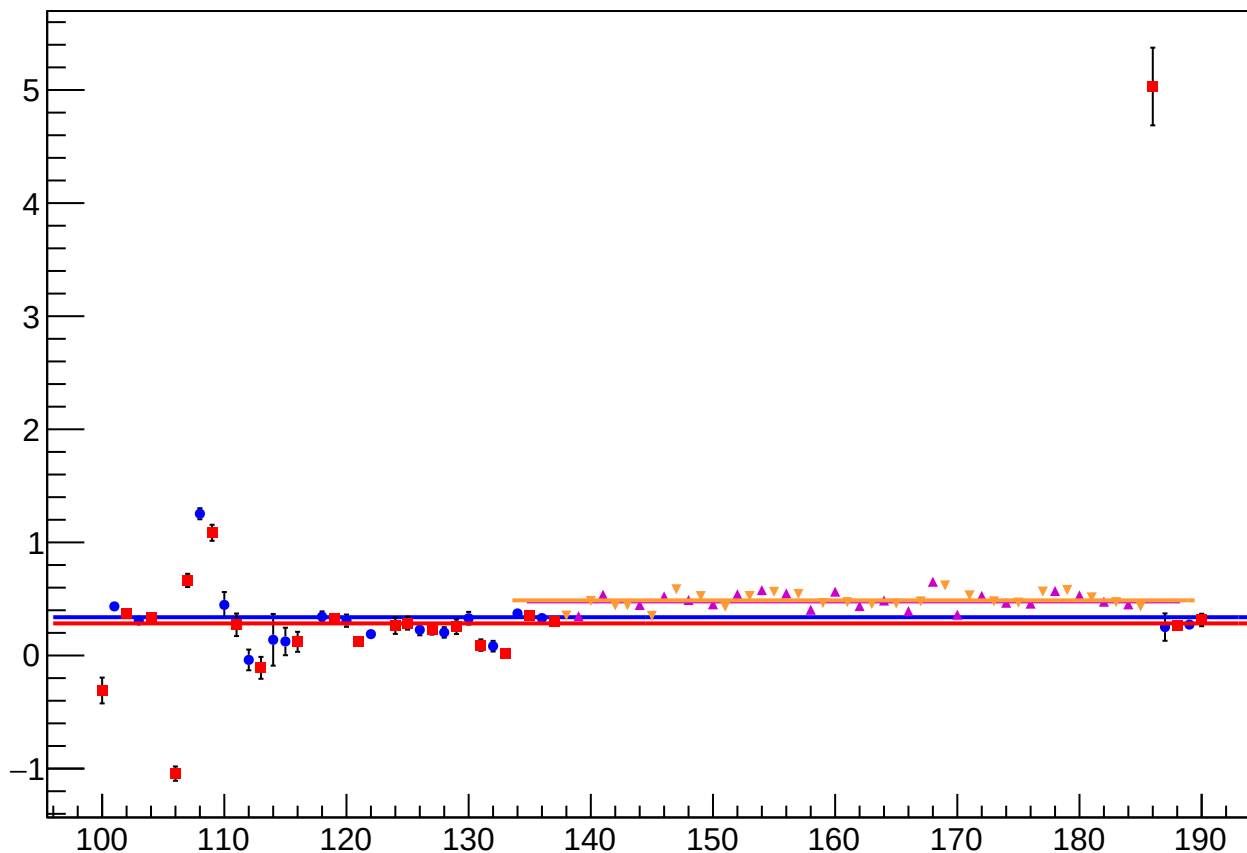
Left In: 11.441 $\pm$ 0.064 χ^2 /NDF: 3358.4/22

+ sign 11.684 $\pm$ 0.057 χ^2 /NDF: 4828.0/42

All: 11.626 $\pm$ 0.041 χ^2 /NDF: 12540.4/87

- sign 11.564 $\pm$ 0.059 χ^2 /NDF: 7710.3/44

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.339 ± 0.008 χ^2/NDF : 437.9/17

Left Out: 0.488 ± 0.003 χ^2/NDF : 539.4/24

Right Out: 0.284 ± 0.008 χ^2/NDF : 969.3/21

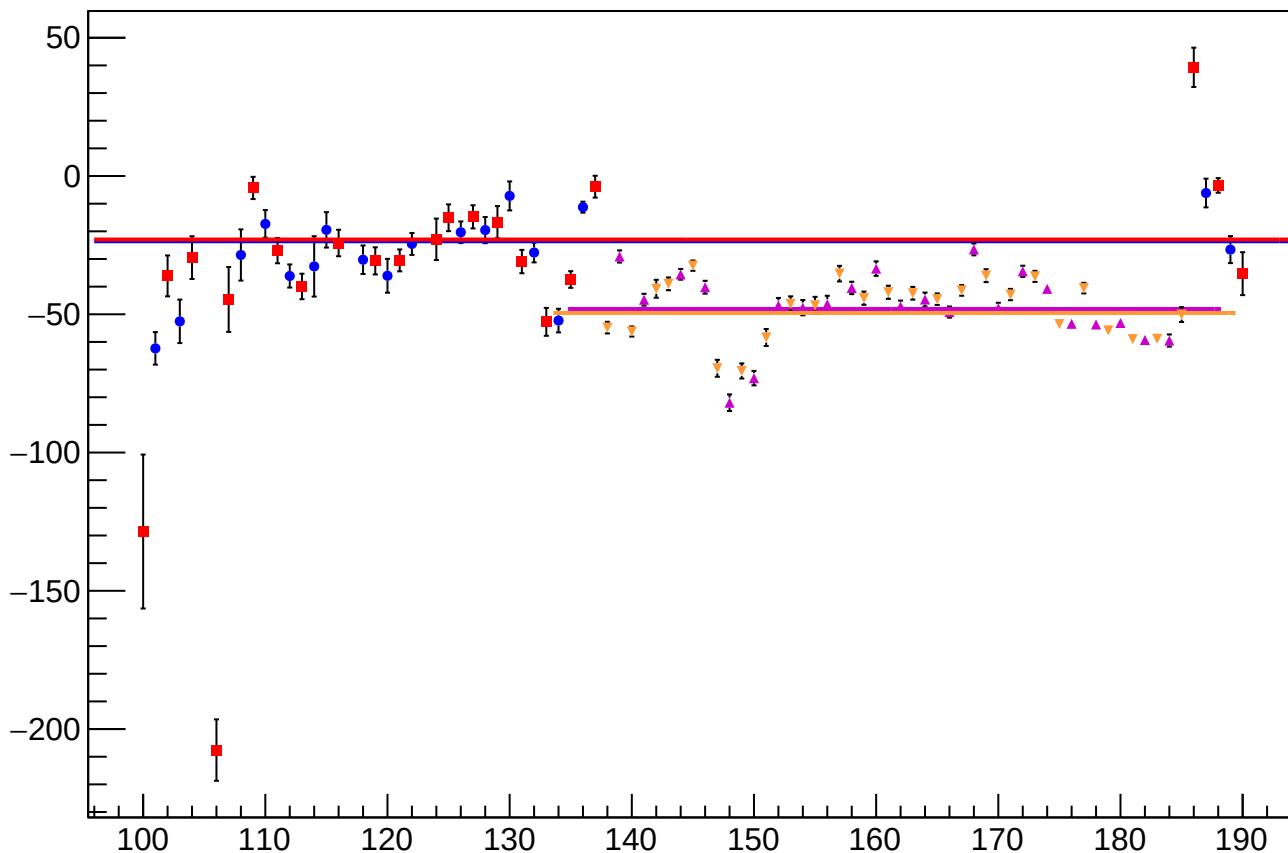
Left In: 0.478 ± 0.003 χ^2/NDF : 798.2/22

+ sign 0.471 ± 0.003 χ^2/NDF : 1308.9/42

All: 0.465 ± 0.002 χ^2/NDF : 3608.2/87

- sign 0.458 ± 0.003 χ^2/NDF : 2286.6/44

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -23.591 ± 1.039 χ^2/NDF : 182.7/17

Left Out: -49.516 ± 0.402 χ^2/NDF : 576.3/24

Right Out: -22.958 ± 1.024 χ^2/NDF : 566.4/21

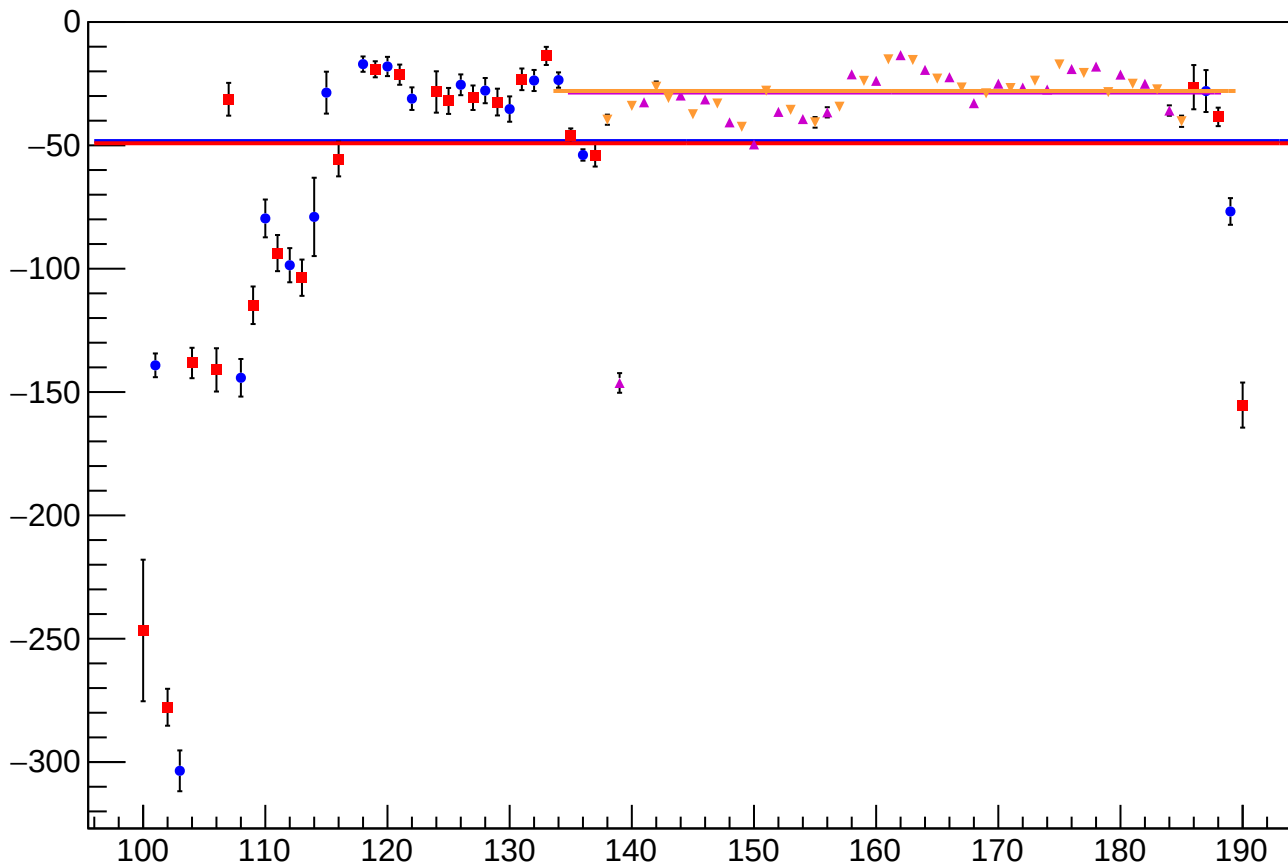
Left In: -48.087 ± 0.418 χ^2/NDF : 706.2/22

+ sign -46.135 ± 0.375 χ^2/NDF : 1300.4/42

All: -45.340 ± 0.270 χ^2/NDF : 3098.0/87

- sign -44.492 ± 0.387 χ^2/NDF : 1788.3/44

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -48.262 ± 1.070 $\chi^2/\text{NDF}: 1907.6/17$

Left Out: -27.957 ± 0.321 $\chi^2/\text{NDF}: 497.7/24$

Right Out: -49.148 ± 1.110 $\chi^2/\text{NDF}: 1924.2/21$

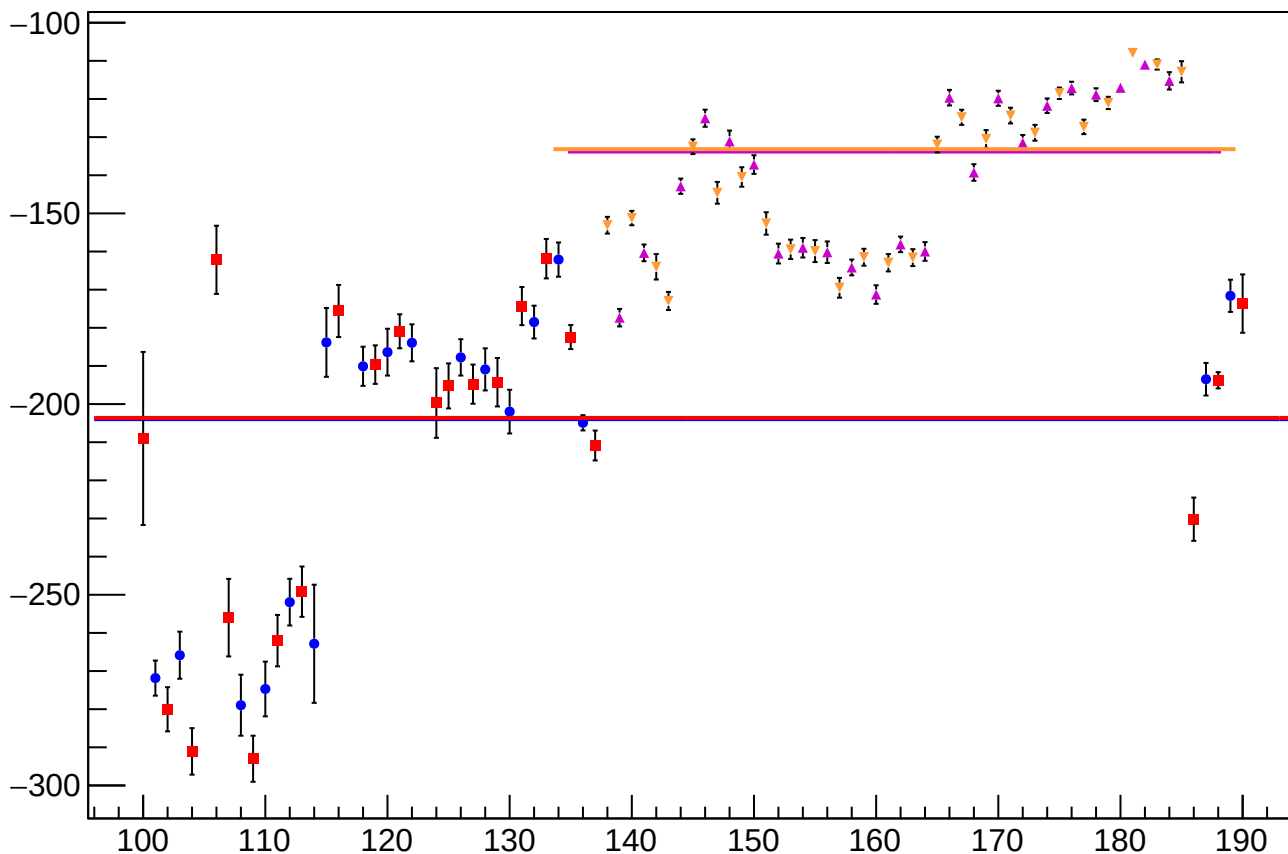
Left In: -28.592 ± 0.334 $\chi^2/\text{NDF}: 1480.6/22$

+ sign -29.634 ± 0.308 $\chi^2/\text{NDF}: 2735.5/42$

All: -29.951 ± 0.222 $\chi^2/\text{NDF}: 6456.8/87$

- sign -30.294 ± 0.319 $\chi^2/\text{NDF}: 3719.1/44$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -203.946 ± 1.097 χ^2/NDF : 821.2/17

Left Out: -133.155 ± 0.403 χ^2/NDF : 2530.7/24

Right Out: -203.626 ± 1.066 χ^2/NDF : 1033.8/21

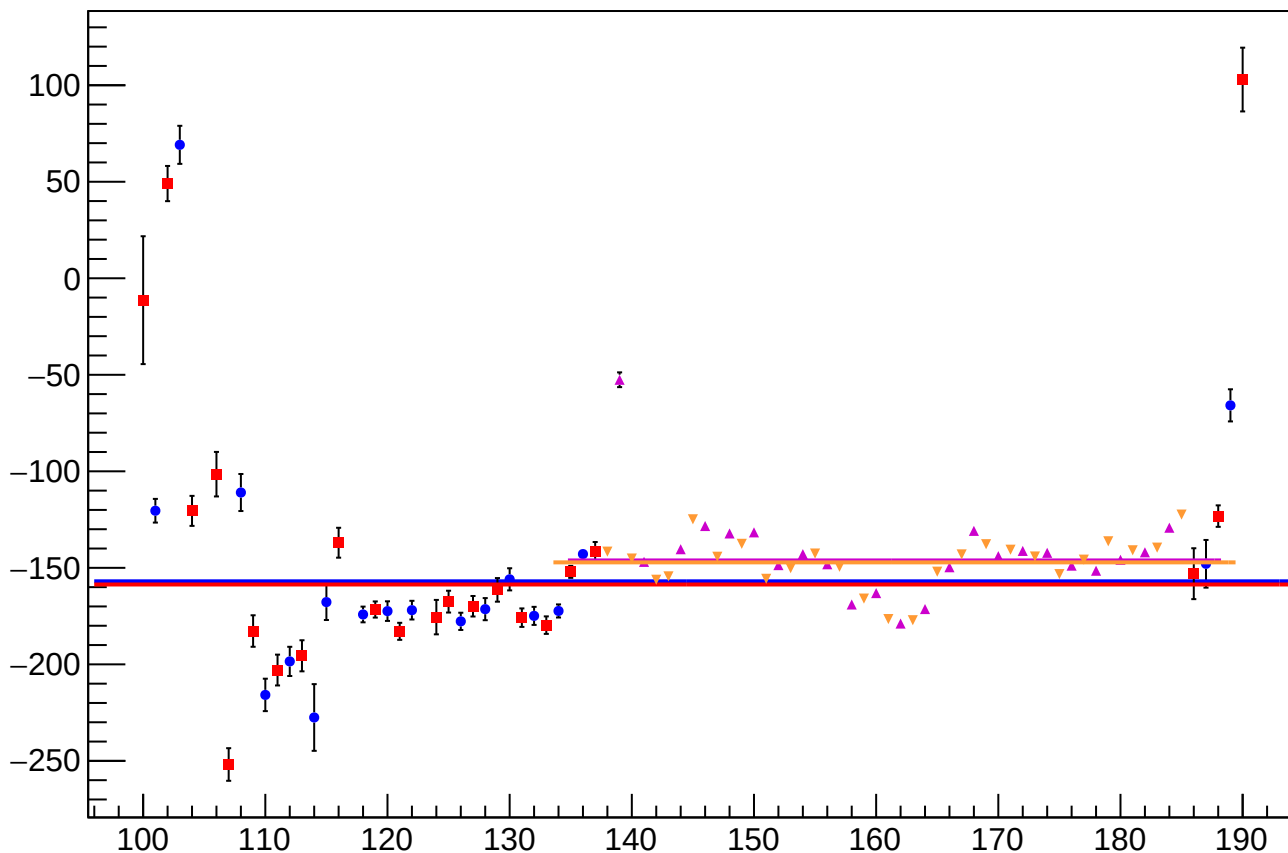
Left In: -133.777 ± 0.417 χ^2/NDF : 2440.7/22

+ sign -141.573 ± 0.378 χ^2/NDF : 7022.5/42

All: -142.287 ± 0.271 χ^2/NDF : 14225.6/87

- sign -143.041 ± 0.388 χ^2/NDF : 7195.8/44

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -156.983 ± 1.207 χ^2/NDF : 939.1/17

Left Out: -147.167 ± 0.358 χ^2/NDF : 1245.6/24

Right Out: -158.627 ± 1.278 χ^2/NDF : 1172.1/21

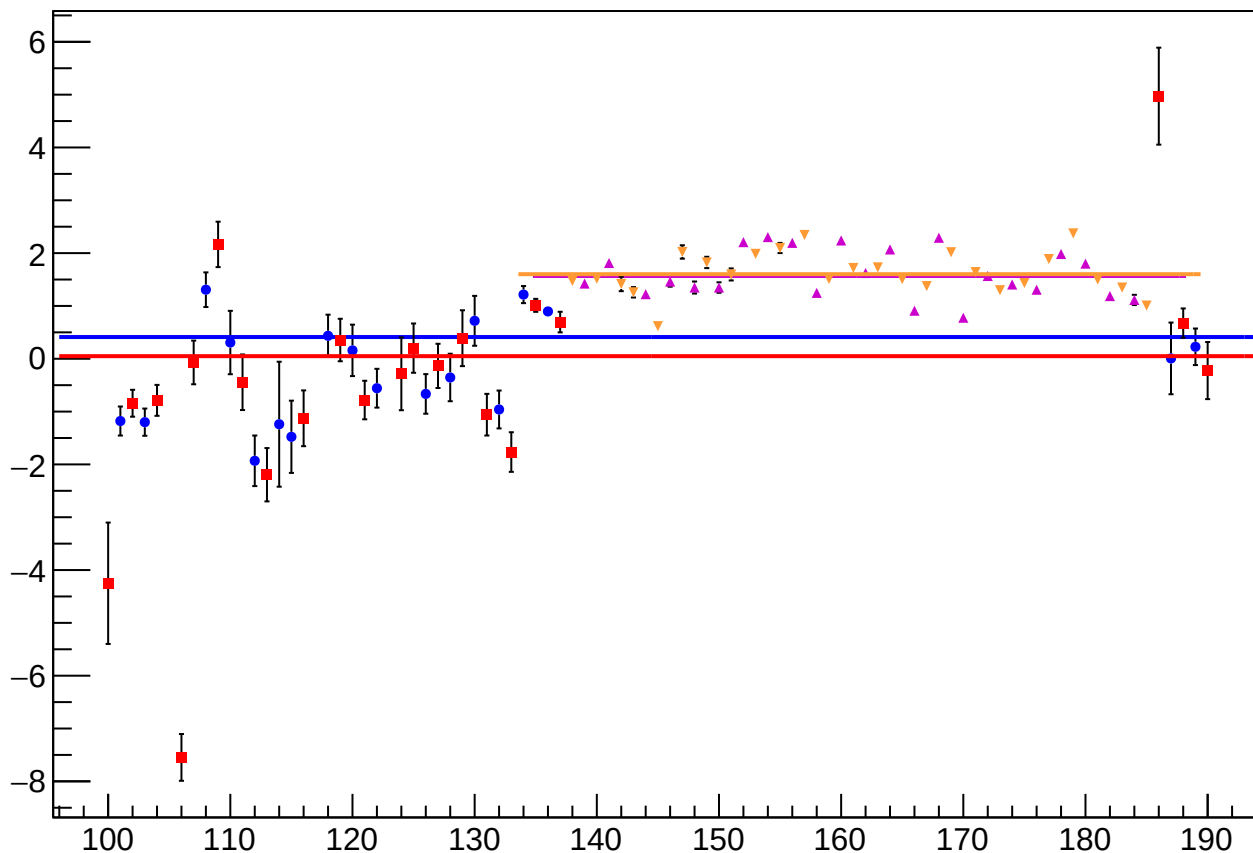
Left In: -146.173 ± 0.371 χ^2/NDF : 1793.8/22

+ sign -147.961 ± 0.343 χ^2/NDF : 2245.6/42

All: -147.565 ± 0.247 χ^2/NDF : 5301.8/87

- sign -147.139 ± 0.356 χ^2/NDF : 3053.5/44

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.411 ± 0.063 χ^2/NDF : 198.3/17

Left Out: 1.601 ± 0.016 χ^2/NDF : 581.8/24

Right Out: 0.049 ± 0.069 χ^2/NDF : 523.2/21

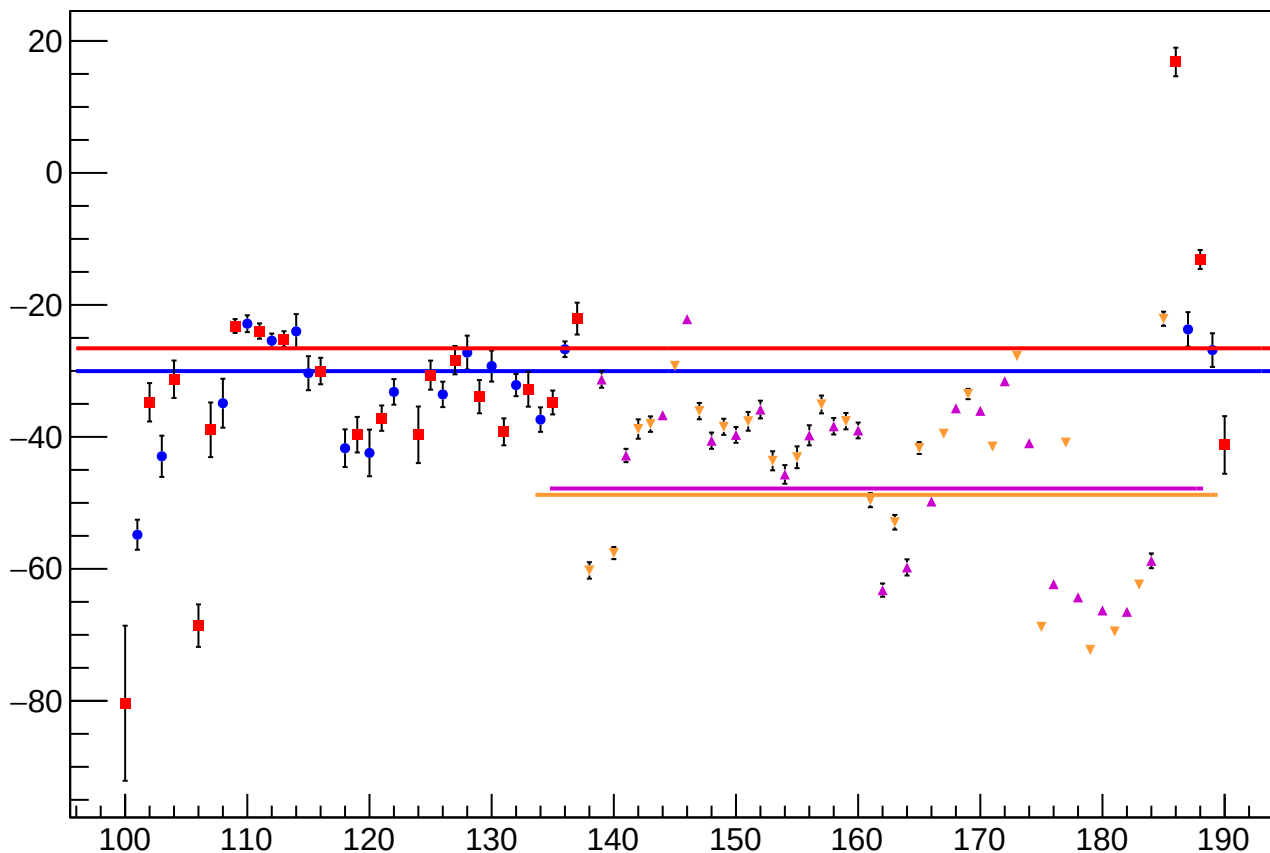
Left In: 1.567 ± 0.016 χ^2/NDF : 735.2/22

+ sign 1.530 ± 0.016 χ^2/NDF : 1110.9/42

All: 1.509 ± 0.011 χ^2/NDF : 2828.7/87

- sign 1.487 ± 0.016 χ^2/NDF : 1714.0/44

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.032 ± 0.453 $\chi^2/\text{NDF}: 261.4/17$

Left Out: -48.783 ± 0.167 $\chi^2/\text{NDF}: 8953.8/24$

Right Out: -26.576 ± 0.420 $\chi^2/\text{NDF}: 873.9/21$

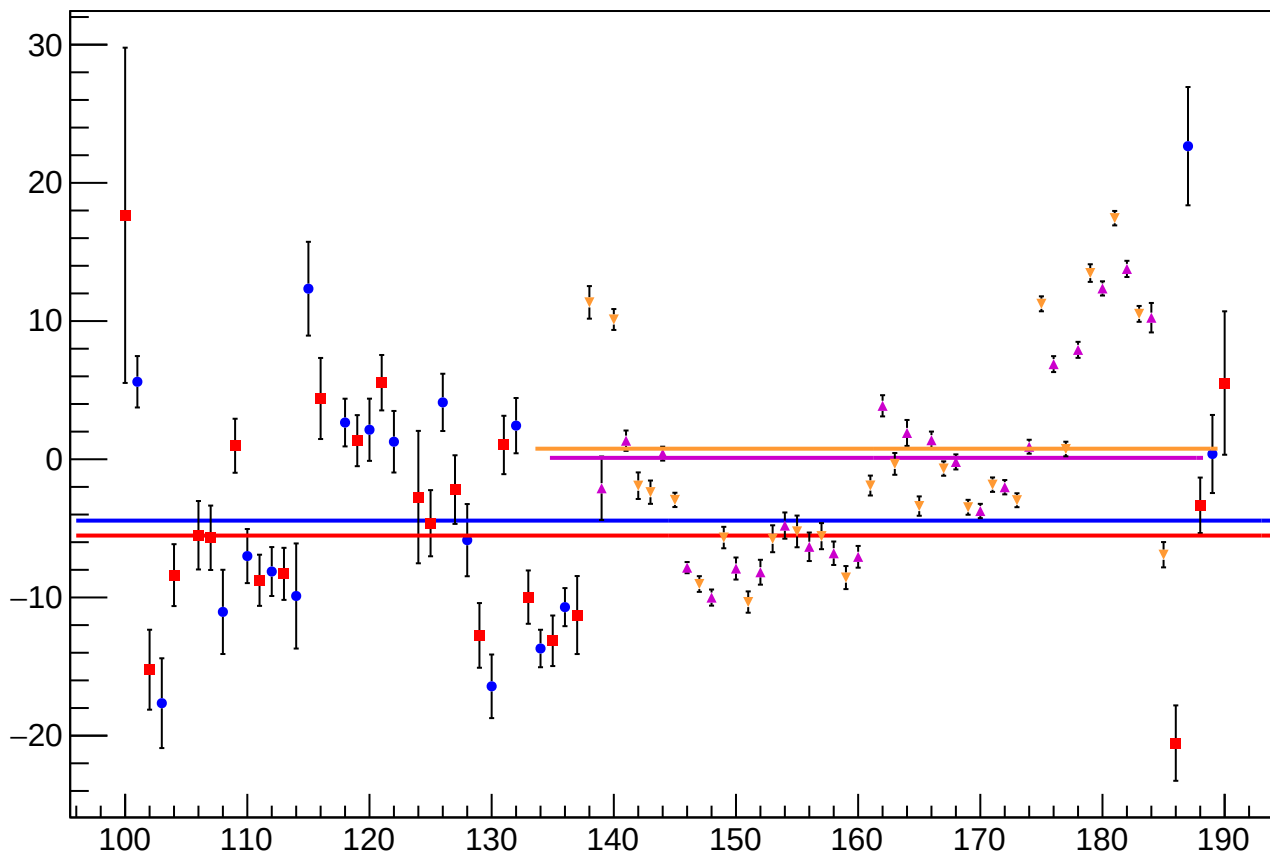
Left In: -47.822 ± 0.170 $\chi^2/\text{NDF}: 7223.0/22$

+ sign -46.547 ± 0.157 $\chi^2/\text{NDF}: 10723.1/42$

All: -45.693 ± 0.111 $\chi^2/\text{NDF}: 21081.3/87$

- sign -44.829 ± 0.158 $\chi^2/\text{NDF}: 10298.4/44$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.439 ± 0.498 χ^2/NDF : 281.4/17

Left Out: 0.765 ± 0.132 χ^2/NDF : 3467.2/24

Right Out: -5.520 ± 0.496 χ^2/NDF : 172.8/21

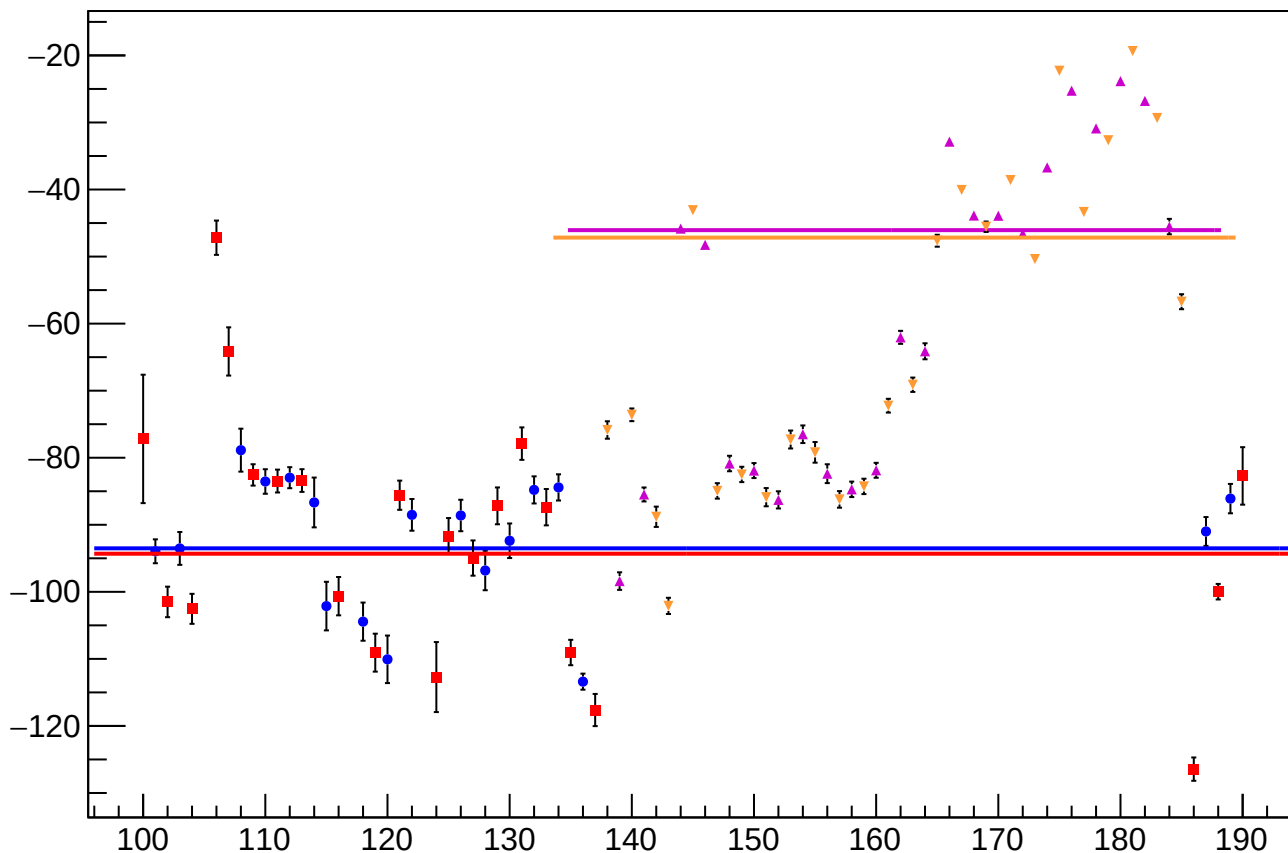
Left In: 0.102 ± 0.133 χ^2/NDF : 2721.8/22

+ sign 0.422 ± 0.128 χ^2/NDF : 3850.7/42

All: 0.075 ± 0.091 χ^2/NDF : 6880.0/87

- sign -0.275 ± 0.128 χ^2/NDF : 3014.5/44

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -93.512 ± 0.507 χ^2/NDF : 480.9/17

Left Out: -47.167 ± 0.168 χ^2/NDF : 17658.5/24

Right Out: -94.315 ± 0.470 χ^2/NDF : 1221.2/21

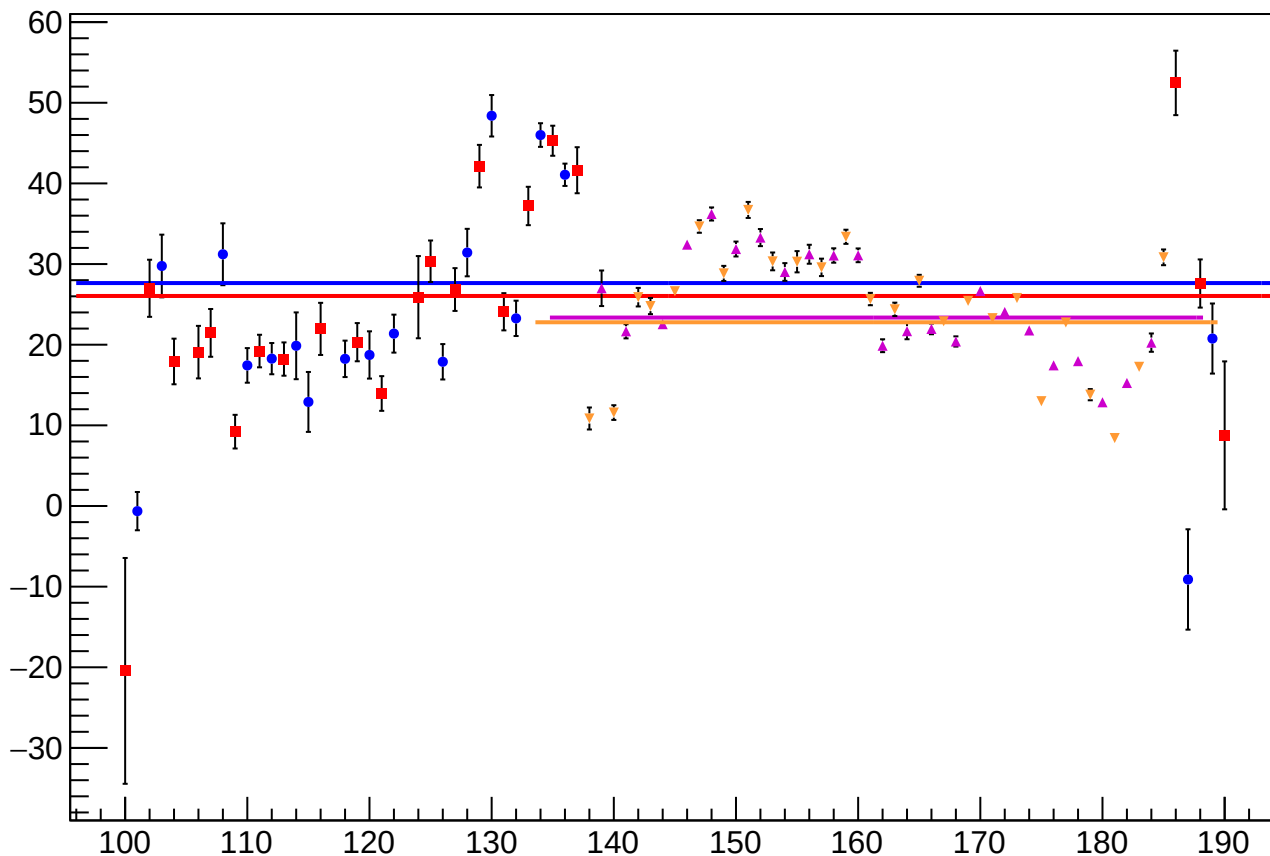
Left In: -46.058 ± 0.170 χ^2/NDF : 14769.8/22

+ sign -51.732 ± 0.159 χ^2/NDF : 25676.5/42

All: -51.689 ± 0.113 χ^2/NDF : 50979.0/87

- sign -51.645 ± 0.160 χ^2/NDF : 25302.4/44

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 27.643 $\pm$ 0.562 χ^2 /NDF: 621.1/17

Left Out: 22.782 $\pm$ 0.147 χ^2 /NDF: 2412.9/24

Right Out: 26.042 $\pm$ 0.572 χ^2 /NDF: 403.1/21

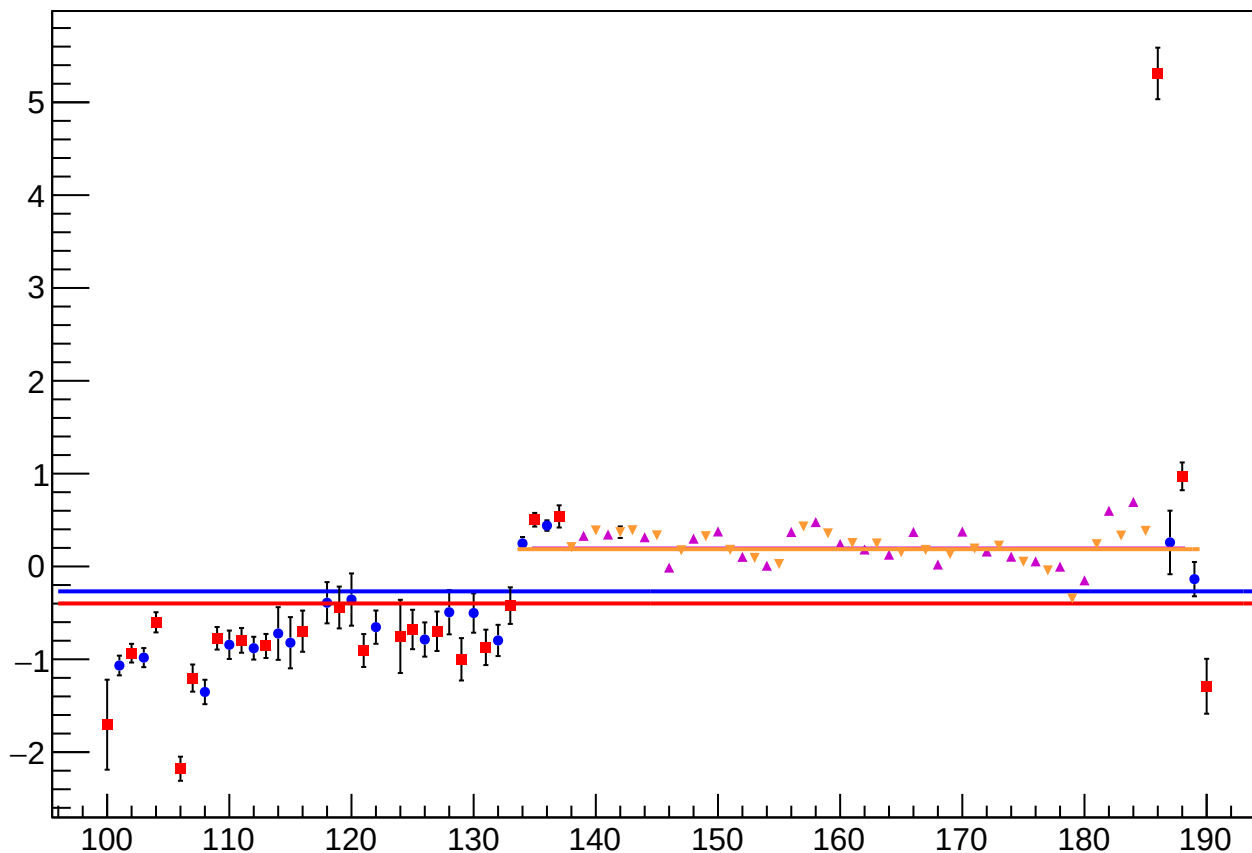
Left In: 23.366 $\pm$ 0.149 χ^2 /NDF: 1785.4/22

+ sign 23.095 $\pm$ 0.142 χ^2 /NDF: 3104.1/42

All: 23.313 $\pm$ 0.101 χ^2 /NDF: 5317.7/87

- sign 23.535 $\pm$ 0.144 χ^2 /NDF: 2208.9/44

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.268 ± 0.030 χ^2/NDF : 458.5/17

Left Out: 0.186 ± 0.007 χ^2/NDF : 645.7/24

Right Out: -0.399 ± 0.032 χ^2/NDF : 1043.0/21

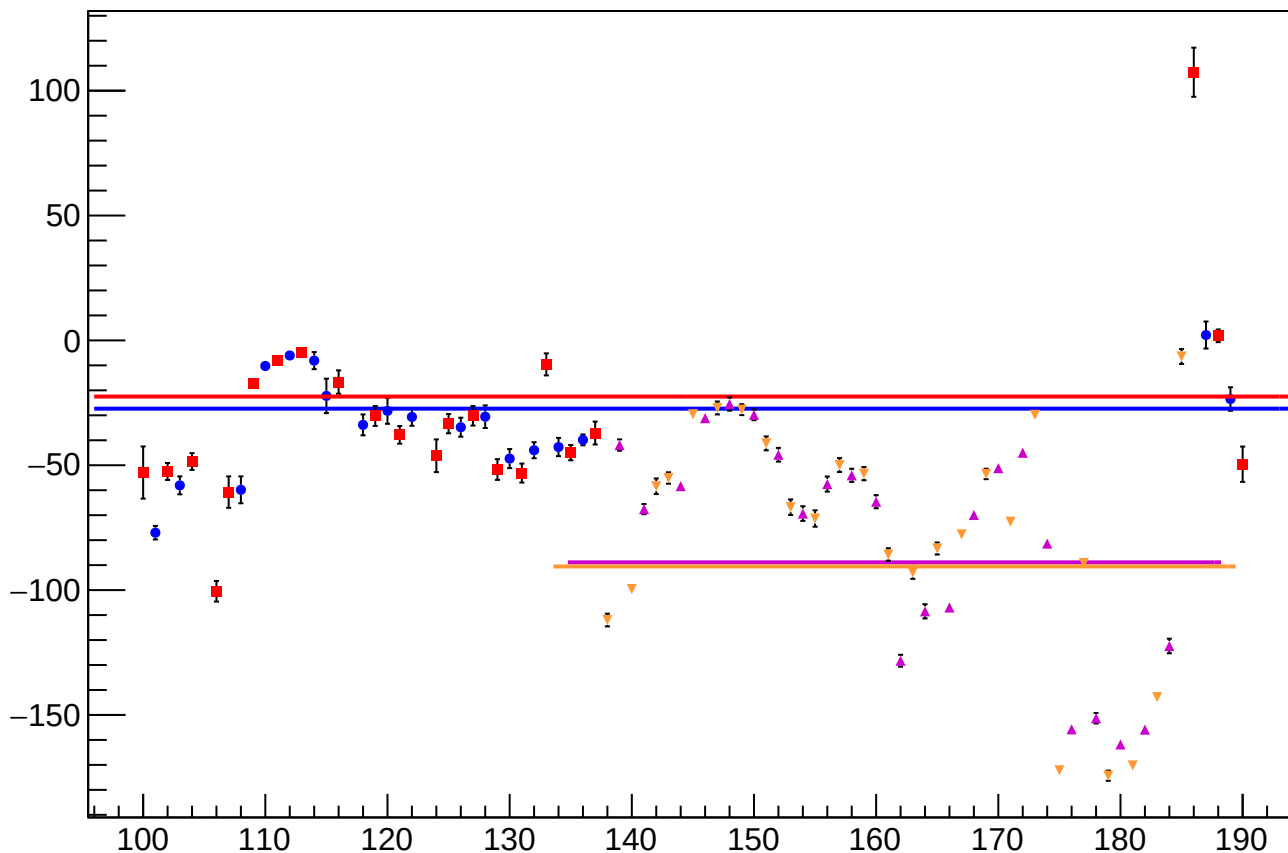
Left In: 0.193 ± 0.007 χ^2/NDF : 938.2/22

+ sign 0.166 ± 0.006 χ^2/NDF : 1321.6/42

All: 0.167 ± 0.005 χ^2/NDF : 3636.9/87

- sign 0.168 ± 0.007 χ^2/NDF : 2315.2/44

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.343 ± 0.713 χ^2/NDF : 925.7/17

Left Out: -90.534 ± 0.421 χ^2/NDF : 15358.6/24

Right Out: -22.489 ± 0.638 χ^2/NDF : 1278.9/21

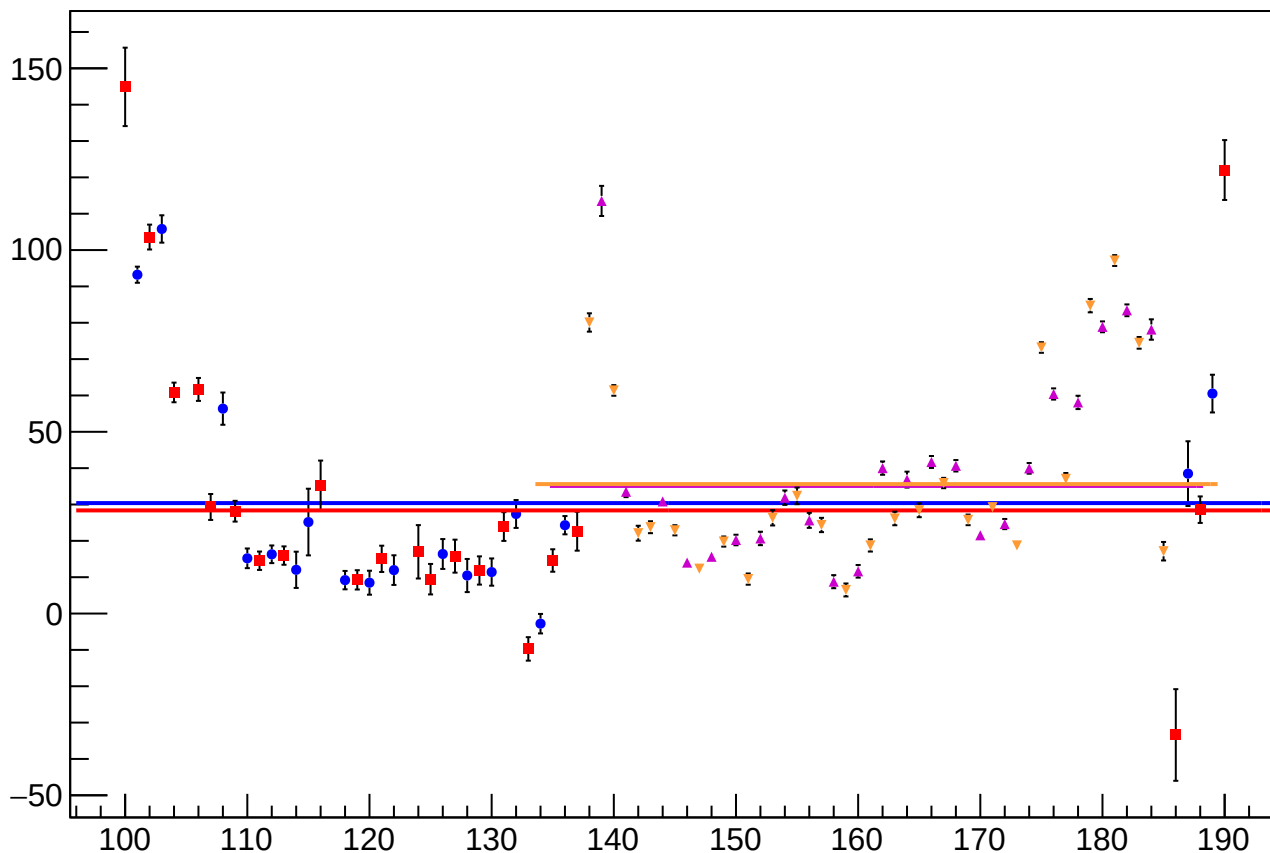
Left In: -88.888 ± 0.435 χ^2/NDF : 11815.7/22

+ sign -74.175 ± 0.363 χ^2/NDF : 22108.9/42

All: -70.971 ± 0.255 χ^2/NDF : 42763.5/87

- sign -67.831 ± 0.359 χ^2/NDF : 20500.1/44

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 30.389+/-0.794 χ^2 /NDF: 1701.2/17

Left Out: 35.612+/-0.326 χ^2 /NDF: 5973.0/24

Right Out: 28.376+/-0.774 χ^2 /NDF: 1339.1/21

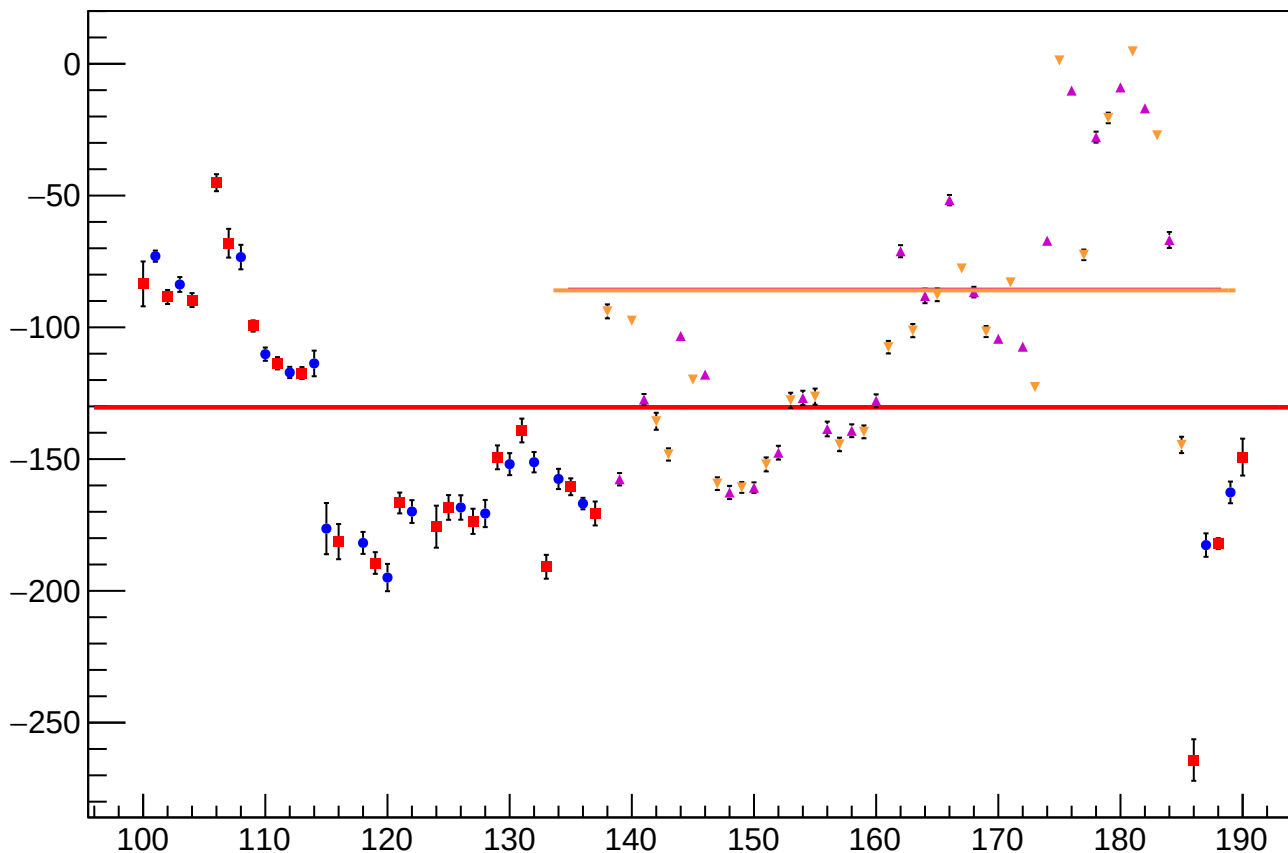
Left In: 35.112+/-0.336 χ^2 /NDF: 4144.4/22

+ sign 34.860+/-0.301 χ^2 /NDF: 7711.2/42

All: 34.460+/-0.216 χ^2 /NDF: 13262.1/87

- sign 34.041+/-0.308 χ^2 /NDF: 5547.3/44

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -130.318 ± 0.800 χ^2/NDF : 2392.1/17

Left Out: -85.969 ± 0.421 χ^2/NDF : 16232.5/24

Right Out: -130.426 ± 0.737 χ^2/NDF : 3456.7/21

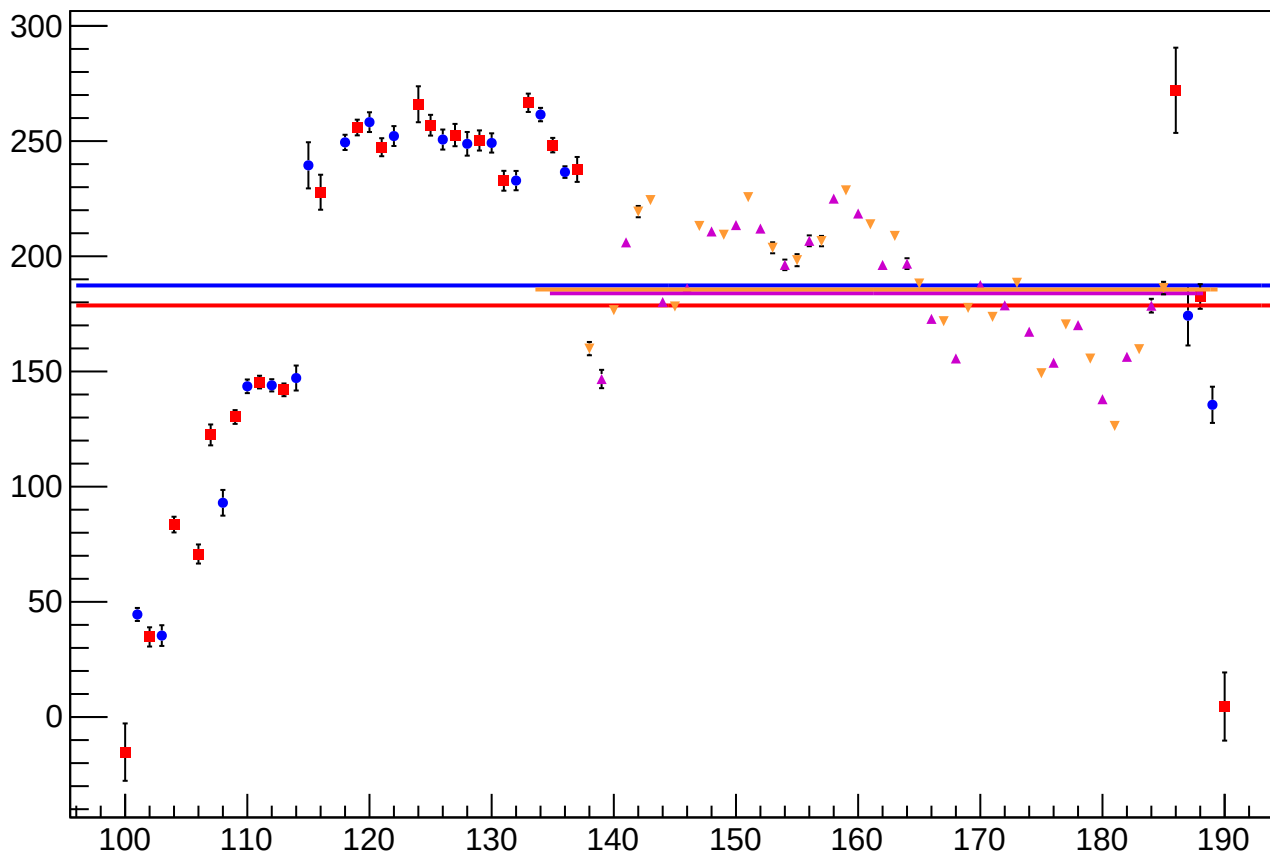
Left In: -85.705 ± 0.432 χ^2/NDF : 13758.7/22

+ sign -95.585 ± 0.372 χ^2/NDF : 21032.9/42

All: -96.376 ± 0.264 χ^2/NDF : 40998.5/87

- sign -97.170 ± 0.373 χ^2/NDF : 19956.6/44

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 187.334 $\pm$ 0.910 χ^2 /NDF: 7163.8/17

Left Out: 185.583 $\pm$ 0.367 χ^2 /NDF: 5354.7/24

Right Out: 178.652 $\pm$ 0.893 χ^2 /NDF: 6833.4/21

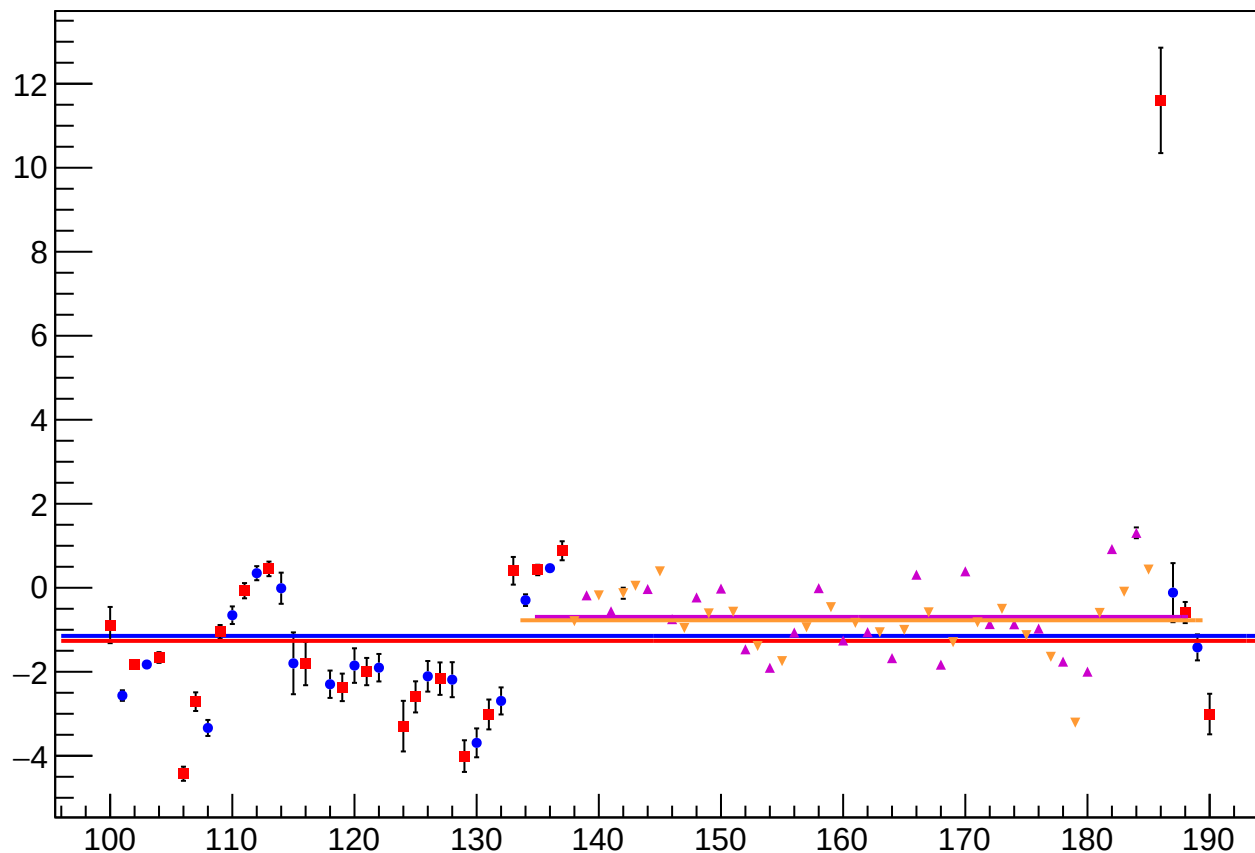
Left In: 183.940 $\pm$ 0.378 χ^2 /NDF: 3873.5/22

+ sign 185.828 $\pm$ 0.340 χ^2 /NDF: 12521.7/42

All: 184.513 $\pm$ 0.243 χ^2 /NDF: 23289.0/87

- sign 183.137 $\pm$ 0.348 χ^2 /NDF: 10736.7/44

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.146 ± 0.047 $\chi^2/\text{NDF}: 790.3/17$

Left Out: -0.774 ± 0.016 $\chi^2/\text{NDF}: 1822.9/24$

Right Out: -1.264 ± 0.046 $\chi^2/\text{NDF}: 1123.9/21$

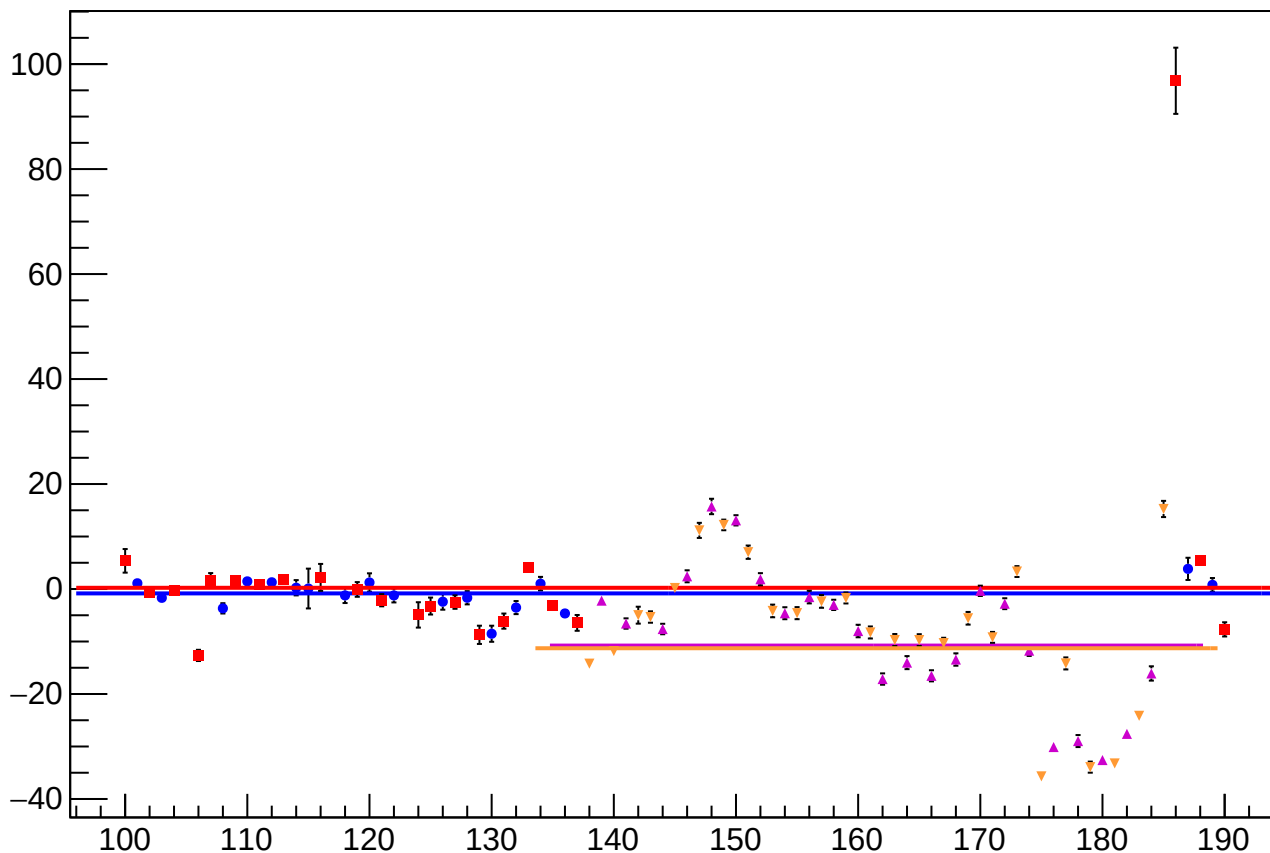
Left In: -0.694 ± 0.017 $\chi^2/\text{NDF}: 2565.3/22$

+ sign -0.814 ± 0.016 $\chi^2/\text{NDF}: 2668.3/42$

All: -0.787 ± 0.011 $\chi^2/\text{NDF}: 6497.4/87$

- sign -0.760 ± 0.016 $\chi^2/\text{NDF}: 3823.1/44$

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.836 ± 0.247 $\chi^2/\text{NDF}: 109.9/17$

Left Out: -11.283 ± 0.208 $\chi^2/\text{NDF}: 4500.3/24$

Right Out: 0.233 ± 0.208 $\chi^2/\text{NDF}: 629.7/21$

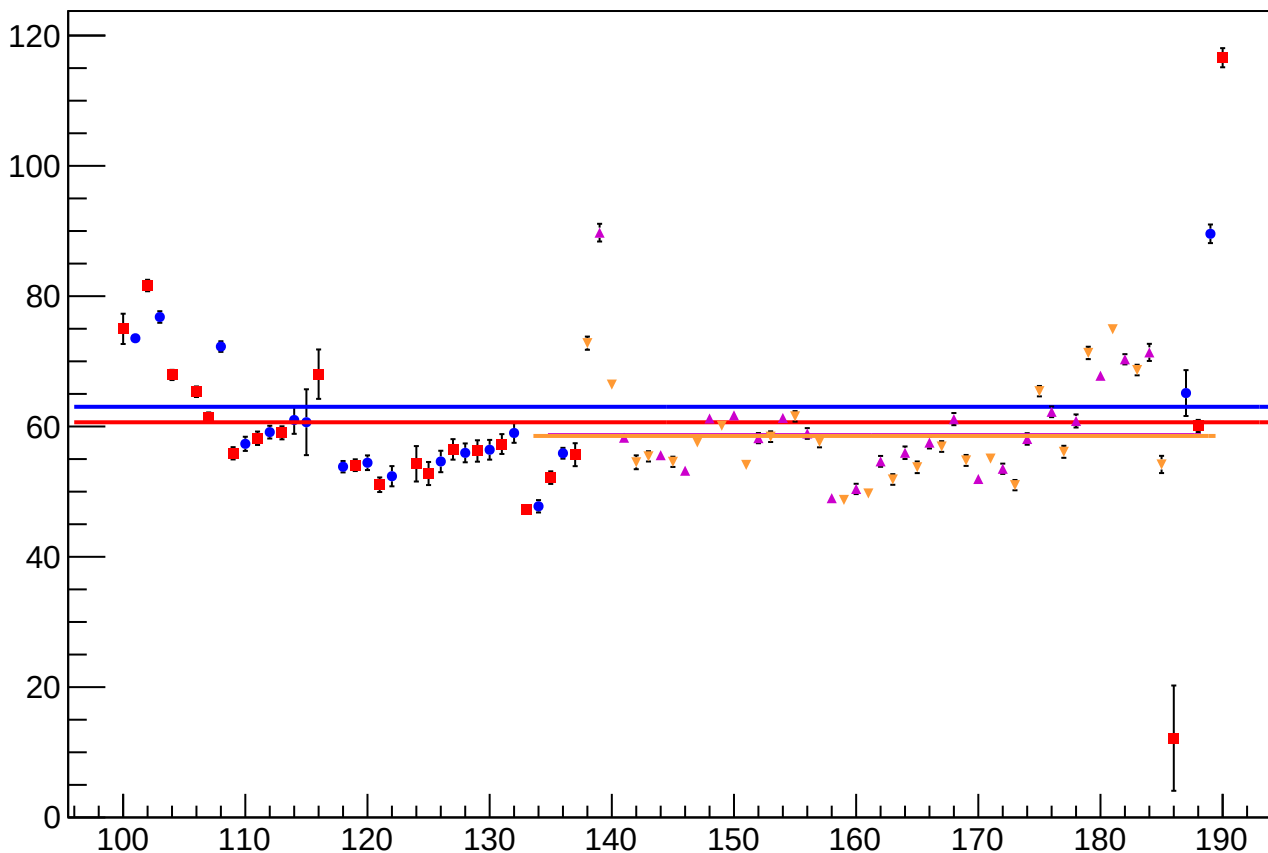
Left In: -10.776 ± 0.213 $\chi^2/\text{NDF}: 3699.2/22$

+ sign -6.946 ± 0.159 $\chi^2/\text{NDF}: 5657.9/42$

All: -5.974 ± 0.109 $\chi^2/\text{NDF}: 11423.7/87$

- sign -5.123 ± 0.149 $\chi^2/\text{NDF}: 5695.8/44$

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 63.022 $\pm$ 0.260 χ^2 /NDF: 1659.6/17

Left Out: 58.550 $\pm$ 0.161 χ^2 /NDF:1902.5/24

Right Out: 60.647 $\pm$ 0.233 χ^2 /NDF: 2925.6/21

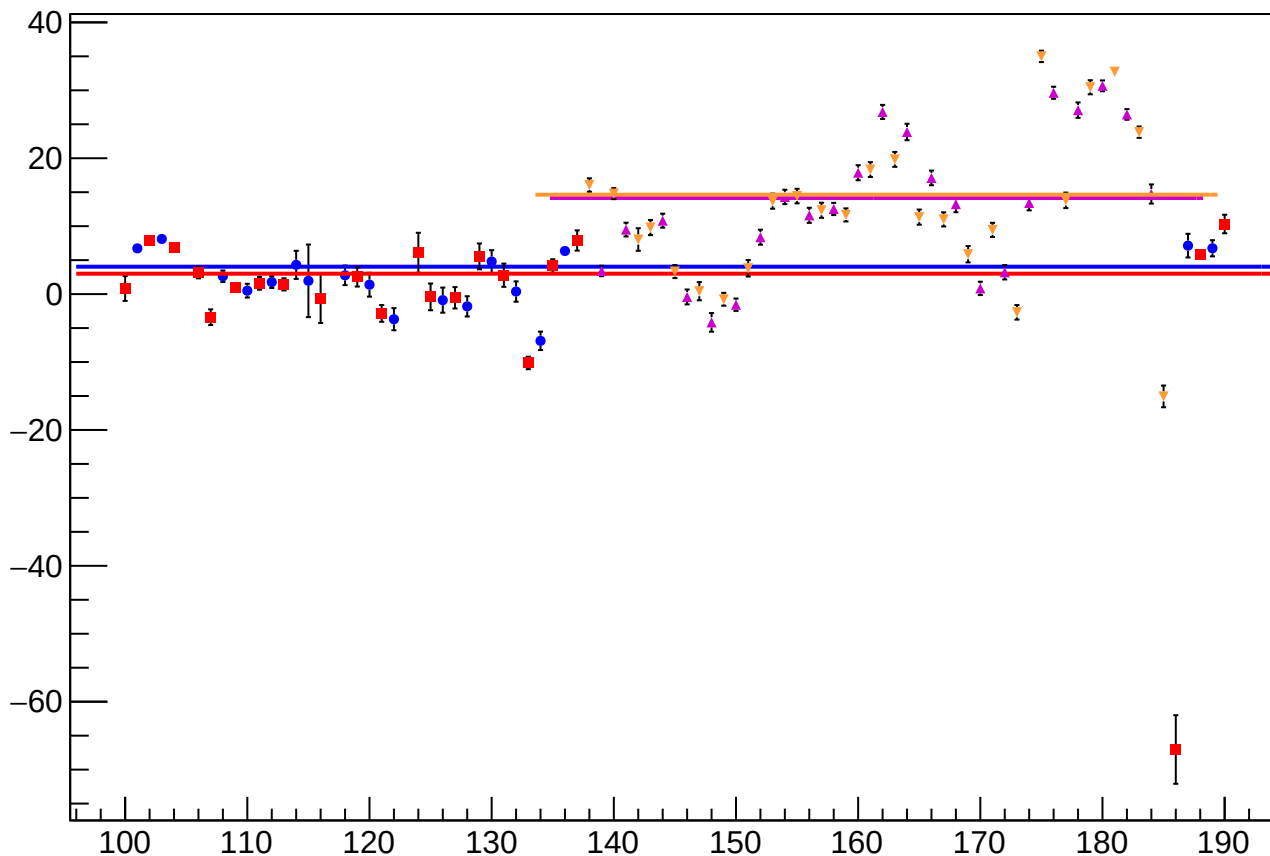
Left In: 58.679 $\pm$ 0.168 χ^2 /NDF:1613.4/22

+ sign 59.790 $\pm$ 0.137 χ^2 /NDF: 3775.7/42

All: 59.571 $\pm$ 0.097 χ^2 /NDF: 8366.6/87

- sign 59.355 $\pm$ 0.136 χ^2 /NDF: 4585.9/44

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 4.035 ± 0.256 χ^2/NDF : 217.6/17

Left Out: 14.634 ± 0.207 χ^2/NDF : 2962.1/24

Right Out: 3.003 ± 0.218 χ^2/NDF : 633.2/21

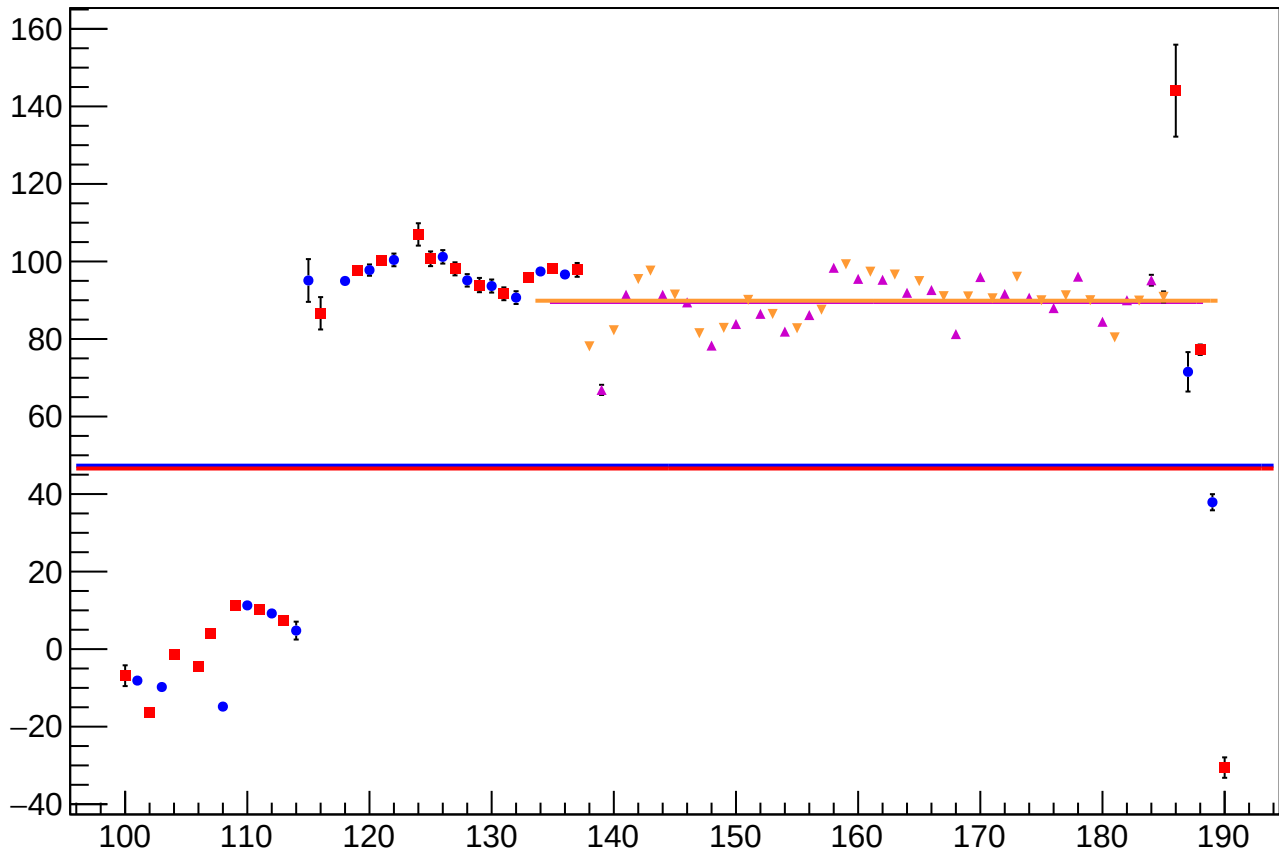
Left In: 14.146 ± 0.211 χ^2/NDF : 2541.2/22

+ sign 10.453 ± 0.161 χ^2/NDF : 4216.9/42

All: 9.553 ± 0.110 χ^2/NDF : 8797.1/87

- sign 8.752 ± 0.152 χ^2/NDF : 4521.0/44

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.325 $\pm$ 0.304 χ^2 /NDF: 26930.2/17

Left Out: 89.875 $\pm$ 0.181 χ^2 /NDF:1065.4/24

Right Out: 46.590 $\pm$ 0.277 χ^2 /NDF: 30348.6/21

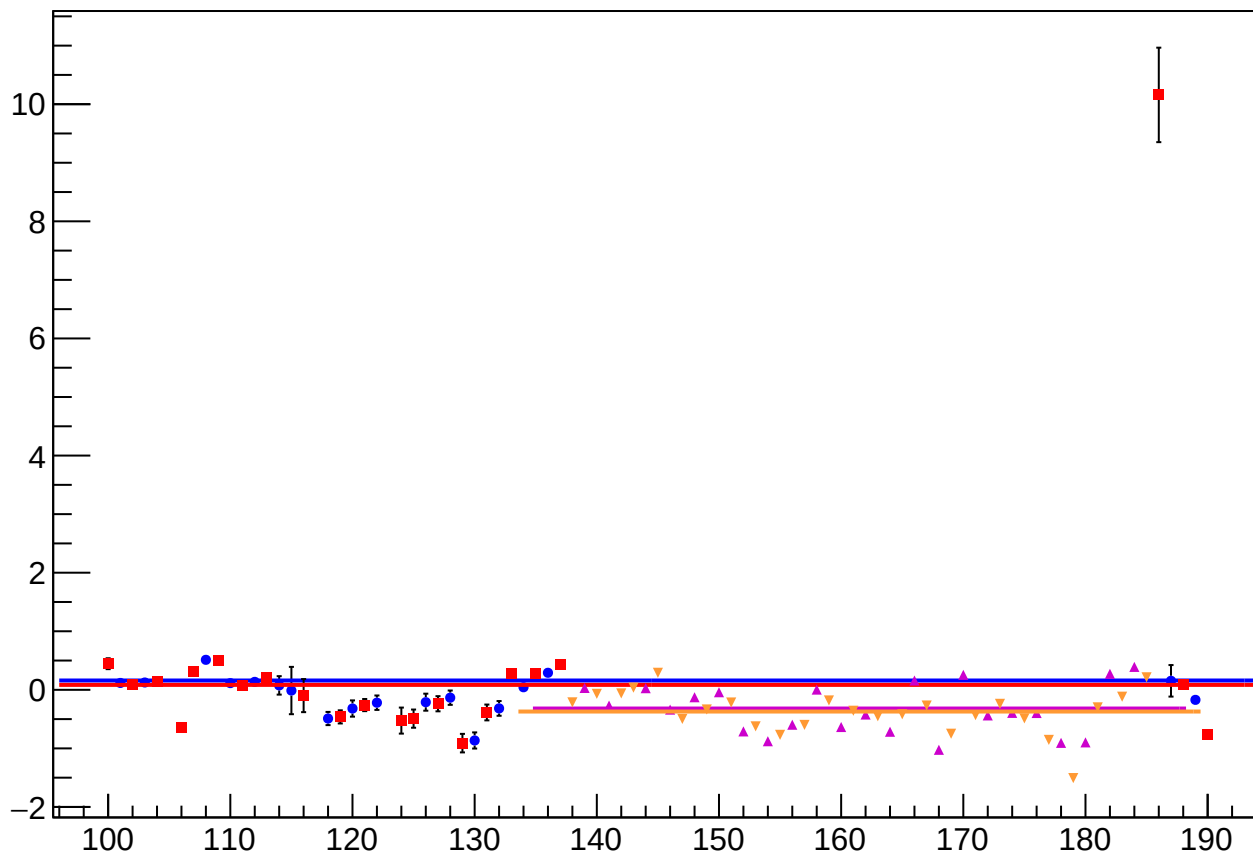
Left In: 89.541 $\pm$ 0.188 χ^2 /NDF:1095.3/22

+ sign 78.747 $\pm$ 0.156 χ^2 /NDF: 42444.4/42

All: 77.379 $\pm$ 0.110 χ^2 /NDF: 90559.7/87

- sign 76.017 $\pm$ 0.155 χ^2 /NDF: 47960.9/44

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.159 $\pm$ 0.014 χ^2/NDF : 287.6/17

Left Out: -0.371 $\pm$ 0.008 χ^2/NDF : 1769.5/24

Right Out: 0.084 $\pm$ 0.013 χ^2/NDF : 812.1/21

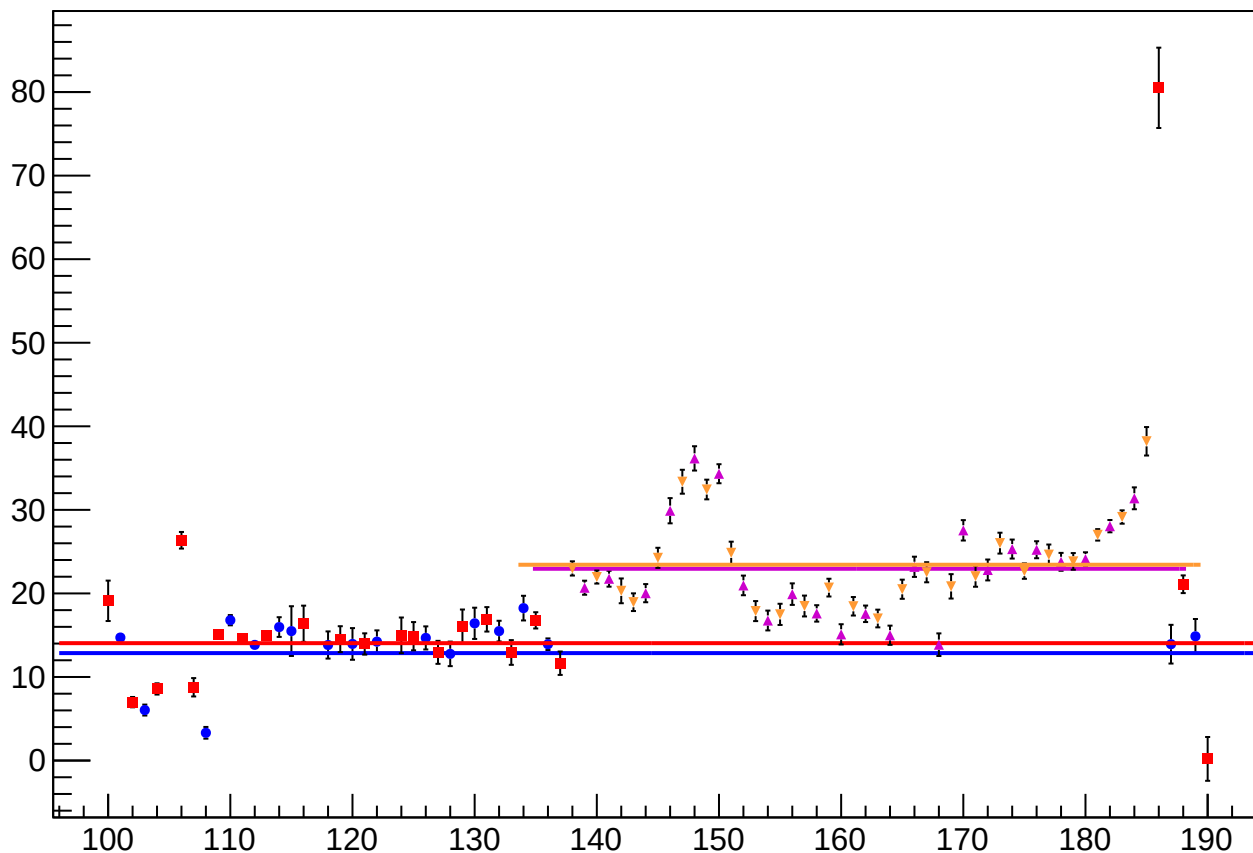
Left In: -0.319 $\pm$ 0.008 χ^2/NDF : 2441.1/22

+ sign -0.238 $\pm$ 0.007 χ^2/NDF : 3151.8/42

All: -0.222 $\pm$ 0.005 χ^2/NDF : 7114.1/87

- sign -0.206 $\pm$ 0.007 χ^2/NDF : 3951.8/44

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.858 $\pm$ 0.212 χ^2 /NDF: 389.2/17

Left Out: 23.431 $\pm$ 0.216 χ^2 /NDF: 427.8/24

Right Out: 14.048 $\pm$ 0.200 χ^2 /NDF: 669.5/21

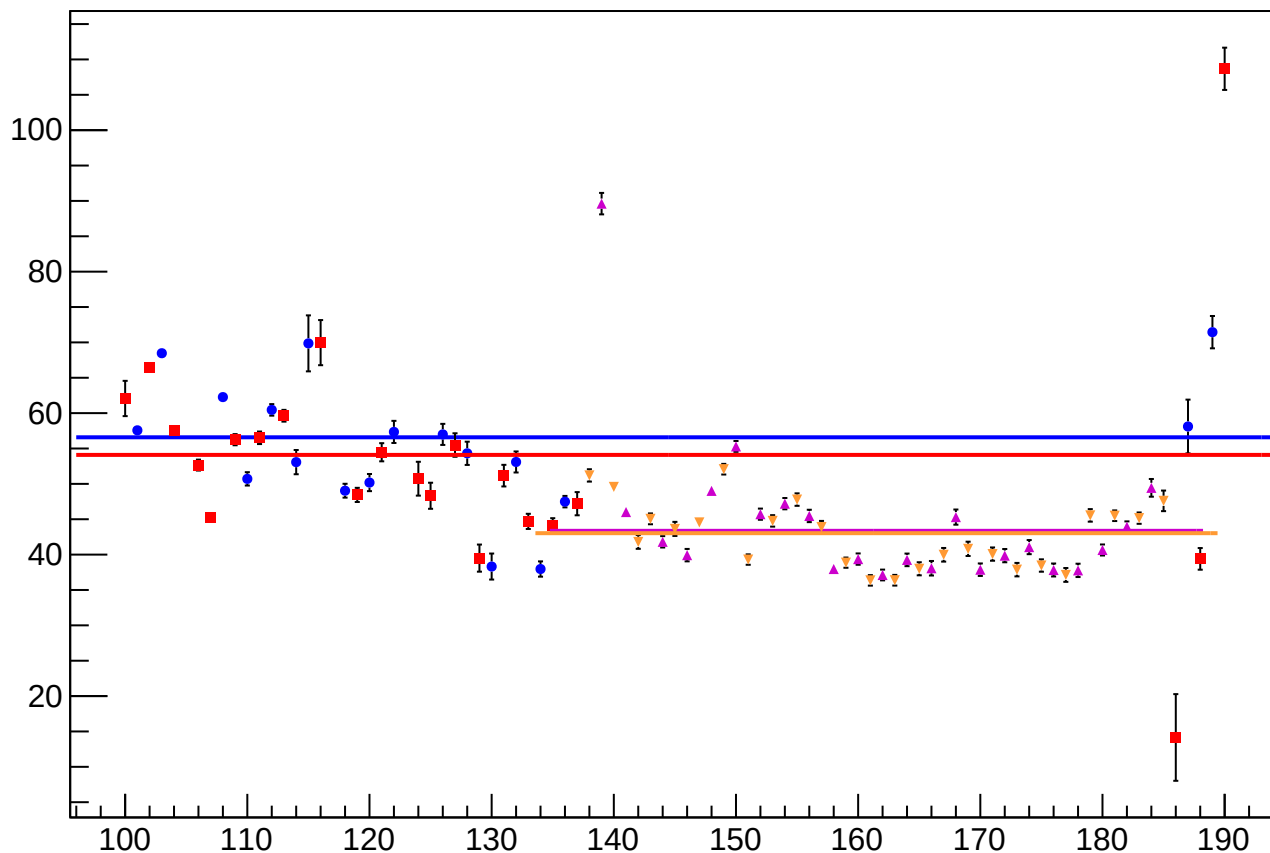
Left In: 22.949 $\pm$ 0.225 χ^2 /NDF: 565.2/22

+ sign 18.050 $\pm$ 0.151 χ^2 /NDF: 2038.2/42

All: 18.006 $\pm$ 0.106 χ^2 /NDF: 4147.1/87

- sign 17.962 $\pm$ 0.149 χ^2 /NDF: 2108.6/44

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.584 $\pm$ 0.220 χ^2 /NDF: 1130.9/17

Left Out: 43.029 $\pm$ 0.167 χ^2 /NDF: 780.7/24

Right Out: 54.095 $\pm$ 0.221 χ^2 /NDF: 1475.3/21

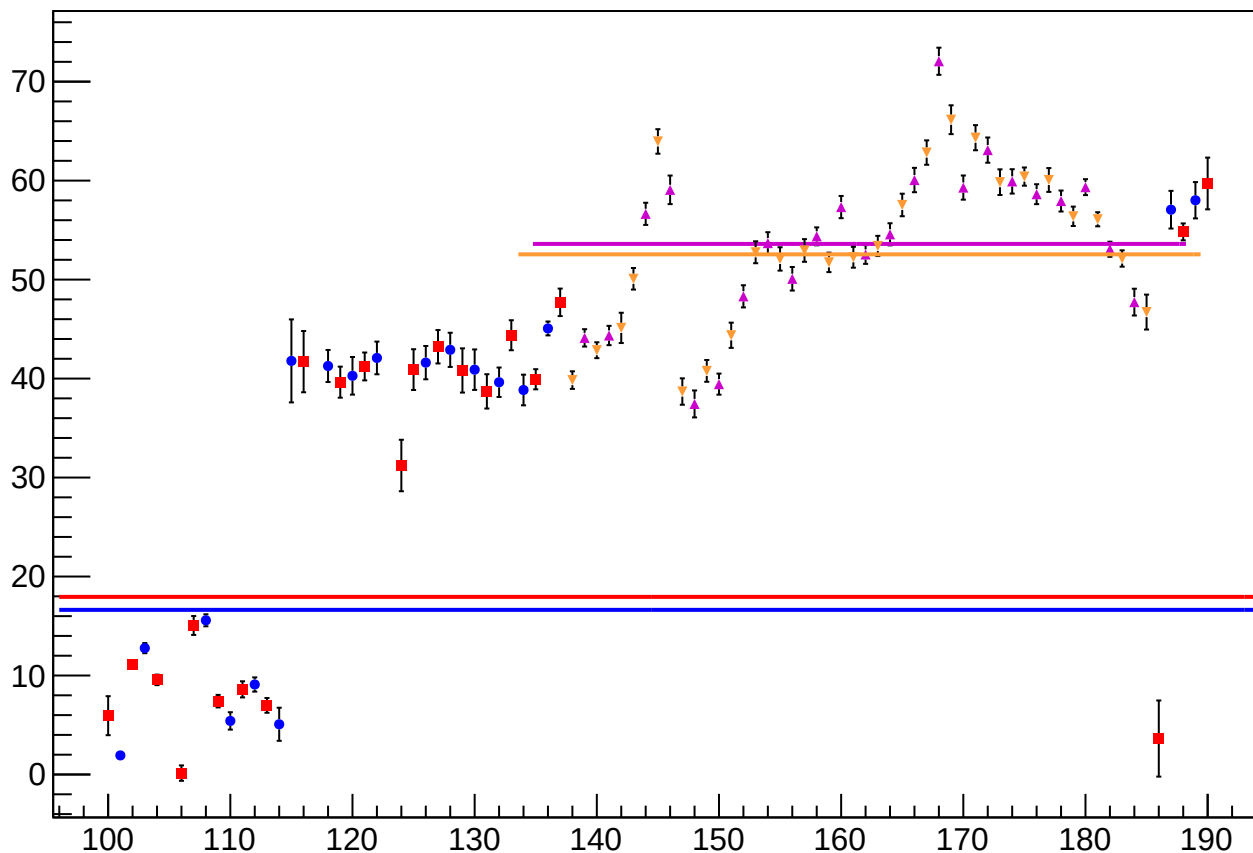
Left In: 43.361 $\pm$ 0.177 χ^2 /NDF: 1683.3/22

+ sign 47.983 $\pm$ 0.133 χ^2 /NDF: 4311.1/42

All: 47.774 $\pm$ 0.096 χ^2 /NDF: 8908.3/87

- sign 47.548 $\pm$ 0.138 χ^2 /NDF: 4592.1/44

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 16.634 $\pm$ 0.211 χ^2 /NDF: 6160.4/17

Left Out: 52.550 $\pm$ 0.215 χ^2 /NDF:1186.2/24

Right Out: 17.945 $\pm$ 0.211 χ^2 /NDF: 6153.6/21

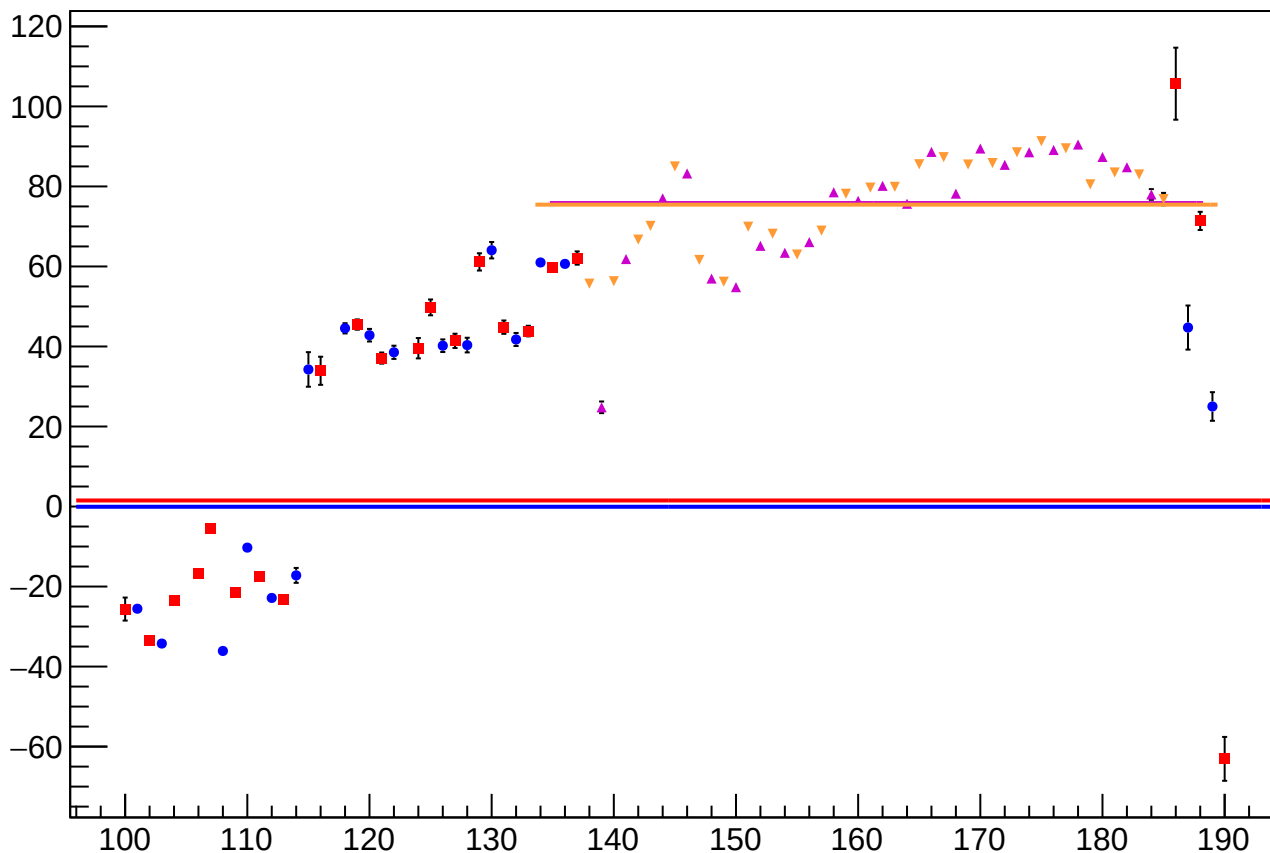
Left In: 53.605 $\pm$ 0.223 χ^2 /NDF:1015.9/22

+ sign 34.310 $\pm$ 0.151 χ^2 /NDF: 21573.9/42

All: 34.560 $\pm$ 0.107 χ^2 /NDF: 42232.9/87

- sign 34.818 $\pm$ 0.153 χ^2 /NDF: 20653.4/44

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.061 ± 0.260 $\chi^2/\text{NDF}: 21146.8/17$

Left Out: 75.448 ± 0.188 $\chi^2/\text{NDF}: 3469.1/24$

Right Out: 1.514 ± 0.261 $\chi^2/\text{NDF}: 17258.4/21$

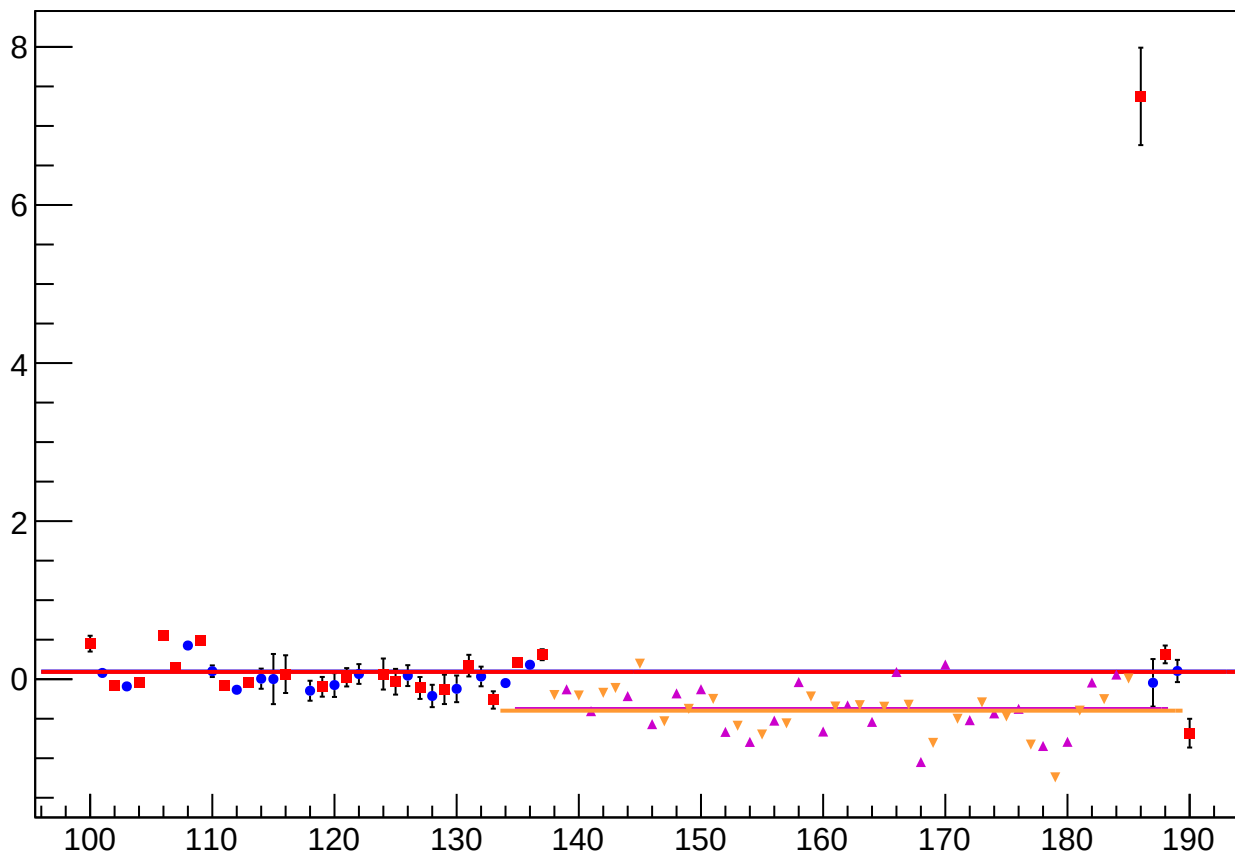
Left In: 75.844 ± 0.197 $\chi^2/\text{NDF}: 4265.6/22$

+ sign 49.515 ± 0.153 $\chi^2/\text{NDF}: 79818.3/42$

All: 49.208 ± 0.110 $\chi^2/\text{NDF}: 152858.4/87$

- sign 48.881 ± 0.157 $\chi^2/\text{NDF}: 73031.7/44$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097 ± 0.011 $\chi^2/\text{NDF}: 299.4/17$

Left Out: -0.398 ± 0.008 $\chi^2/\text{NDF}: 1031.5/24$

Right Out: 0.092 ± 0.011 $\chi^2/\text{NDF}: 561.1/21$

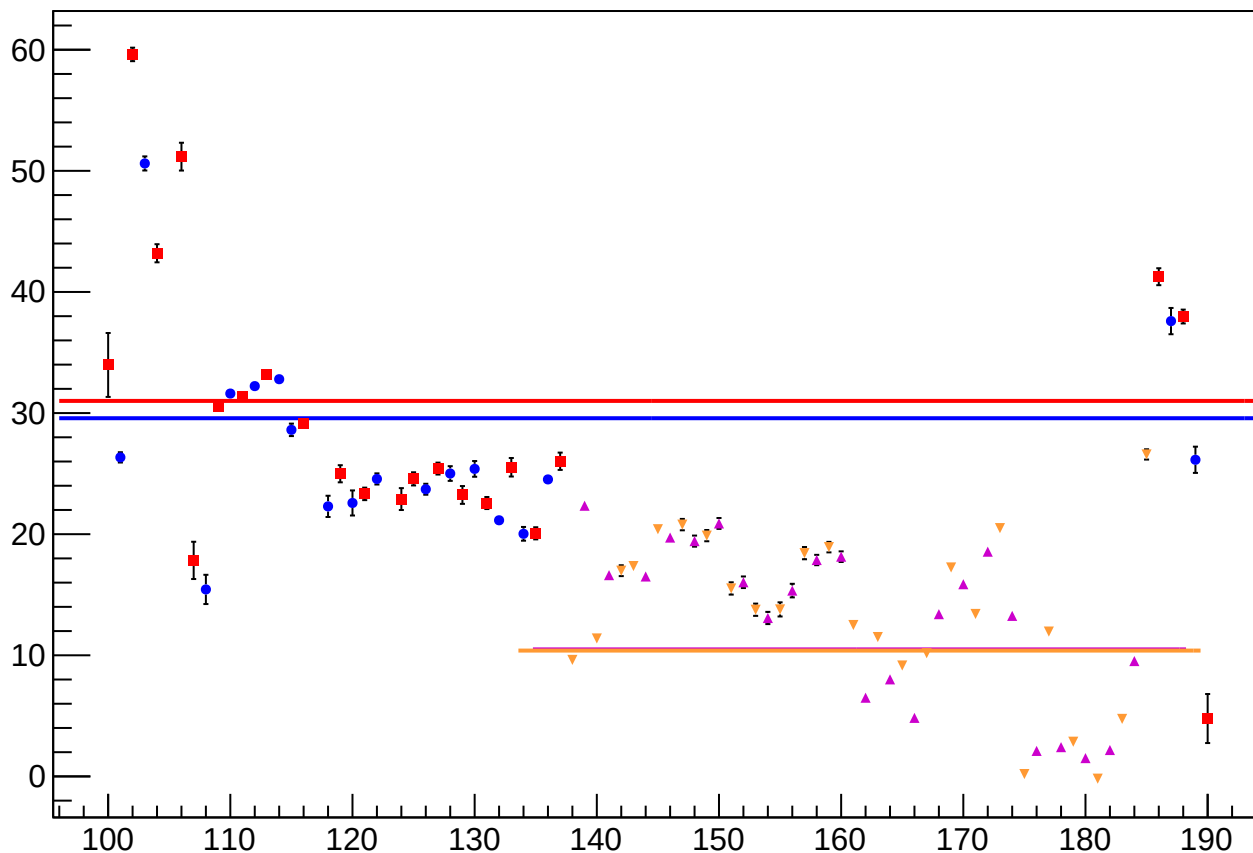
Left In: -0.378 ± 0.009 $\chi^2/\text{NDF}: 1351.5/22$

+ sign -0.219 ± 0.007 $\chi^2/\text{NDF}: 2583.5/42$

All: -0.213 ± 0.005 $\chi^2/\text{NDF}: 5592.2/87$

- sign -0.206 ± 0.007 $\chi^2/\text{NDF}: 3006.7/44$

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.575 $\pm$ 0.091 χ^2 /NDF: 3437.1/17

Left Out: 10.390 $\pm$ 0.064 χ^2 /NDF:13792.8/24

Right Out: 31.004 $\pm$ 0.079 χ^2 /NDF: 5619.1/21

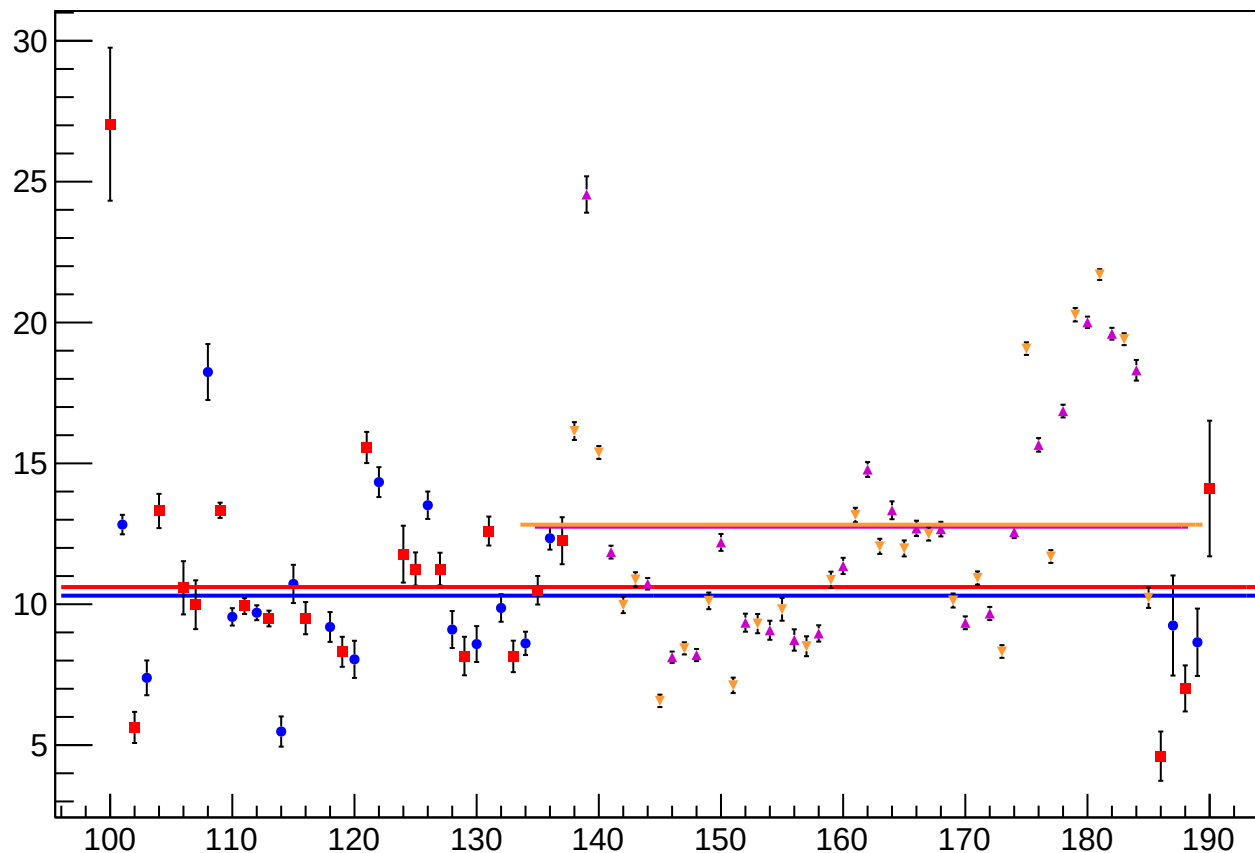
Left In: 10.488 $\pm$ 0.067 χ^2 /NDF:11498.1/22

+ sign 16.727 $\pm$ 0.052 χ^2 /NDF: 46797.7/42

All: 17.930 $\pm$ 0.037 χ^2 /NDF: 104381.0/87

- sign 19.064 $\pm$ 0.051 χ^2 /NDF: 56563.2/44

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.304 $\pm$ 0.113 χ^2 /NDF: 404.9/17

Left Out: 12.825 $\pm$ 0.051 χ^2 /NDF:8016.5/24

Right Out: 10.610 $\pm$ 0.111 χ^2 /NDF: 486.4/21

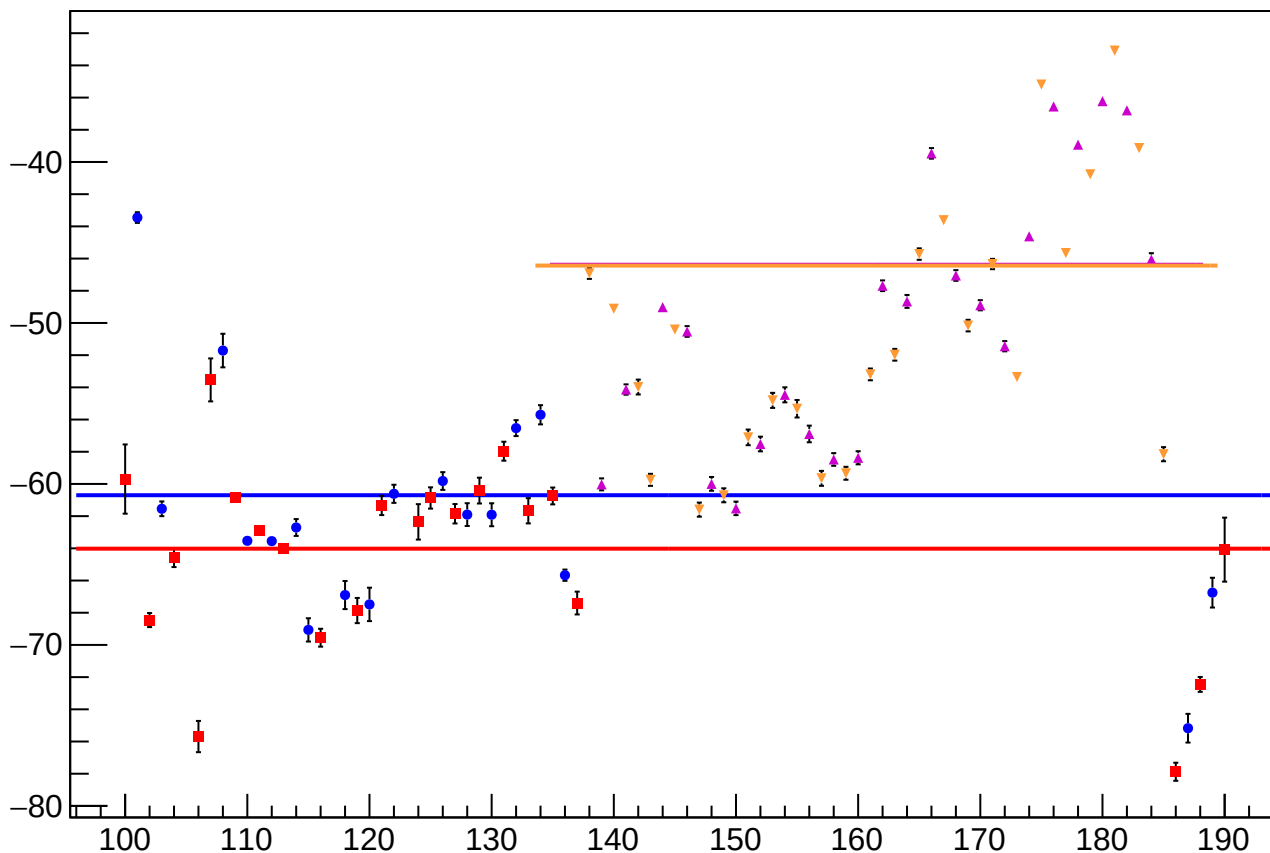
Left In: 12.752 $\pm$ 0.053 χ^2 /NDF:5502.5/22

+ sign 12.399 $\pm$ 0.047 χ^2 /NDF: 8833.2/42

All: 12.377 $\pm$ 0.033 χ^2 /NDF: 15127.0/87

- sign 12.354 $\pm$ 0.048 χ^2 /NDF: 6293.3/44

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.700 ± 0.111 $\chi^2/\text{NDF}: 3912.1/17$

Left Out: -46.435 ± 0.064 $\chi^2/\text{NDF}: 18170.4/24$

Right Out: -64.021 ± 0.103 $\chi^2/\text{NDF}: 1866.0/21$

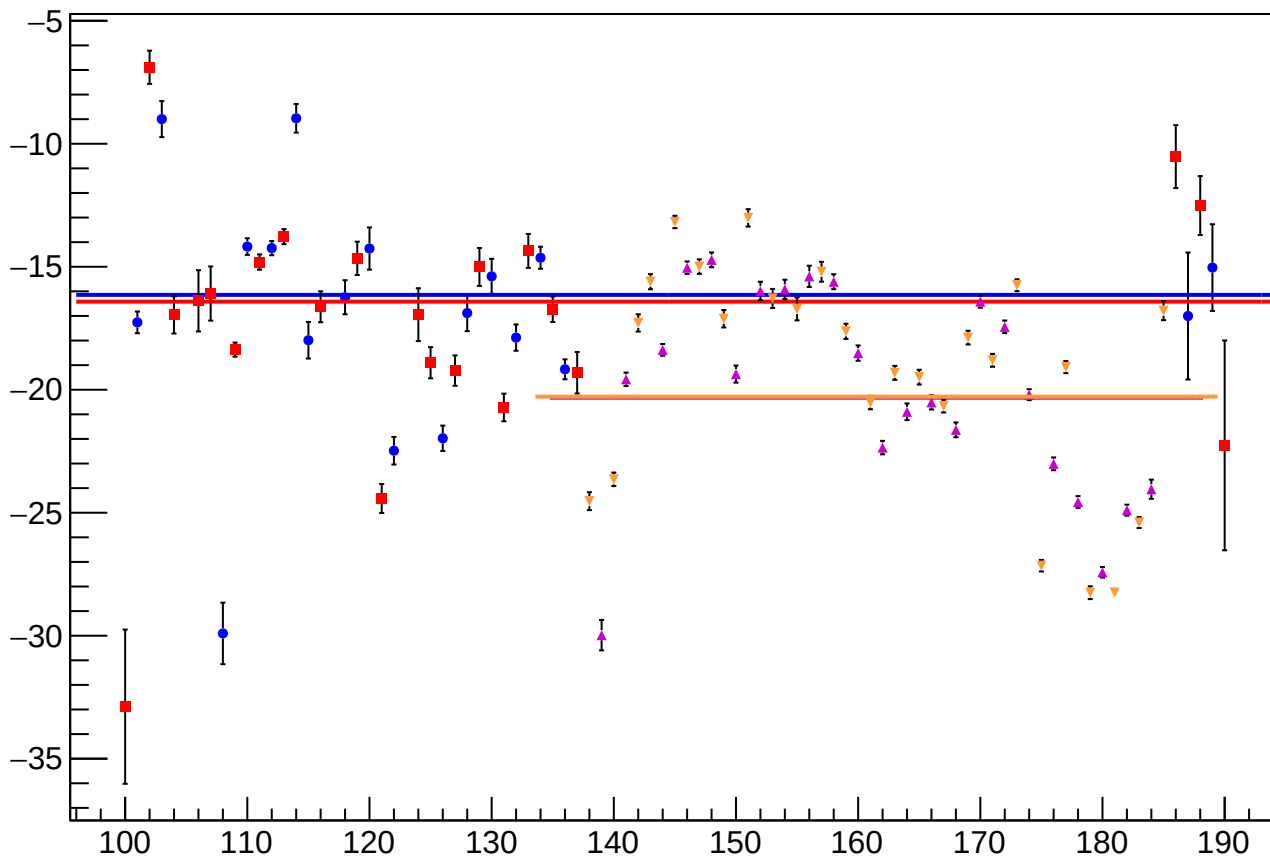
Left In: -46.383 ± 0.067 $\chi^2/\text{NDF}: 15080.6/22$

+ sign -50.015 ± 0.056 $\chi^2/\text{NDF}: 34388.4/42$

All: -50.822 ± 0.040 $\chi^2/\text{NDF}: 72517.5/87$

- sign -51.635 ± 0.056 $\chi^2/\text{NDF}: 37708.7/44$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.143 ± 0.127 χ^2/NDF : 797.6/17

Left Out: -20.281 ± 0.057 χ^2/NDF : 7019.5/24

Right Out: -16.419 ± 0.123 χ^2/NDF : 719.0/21

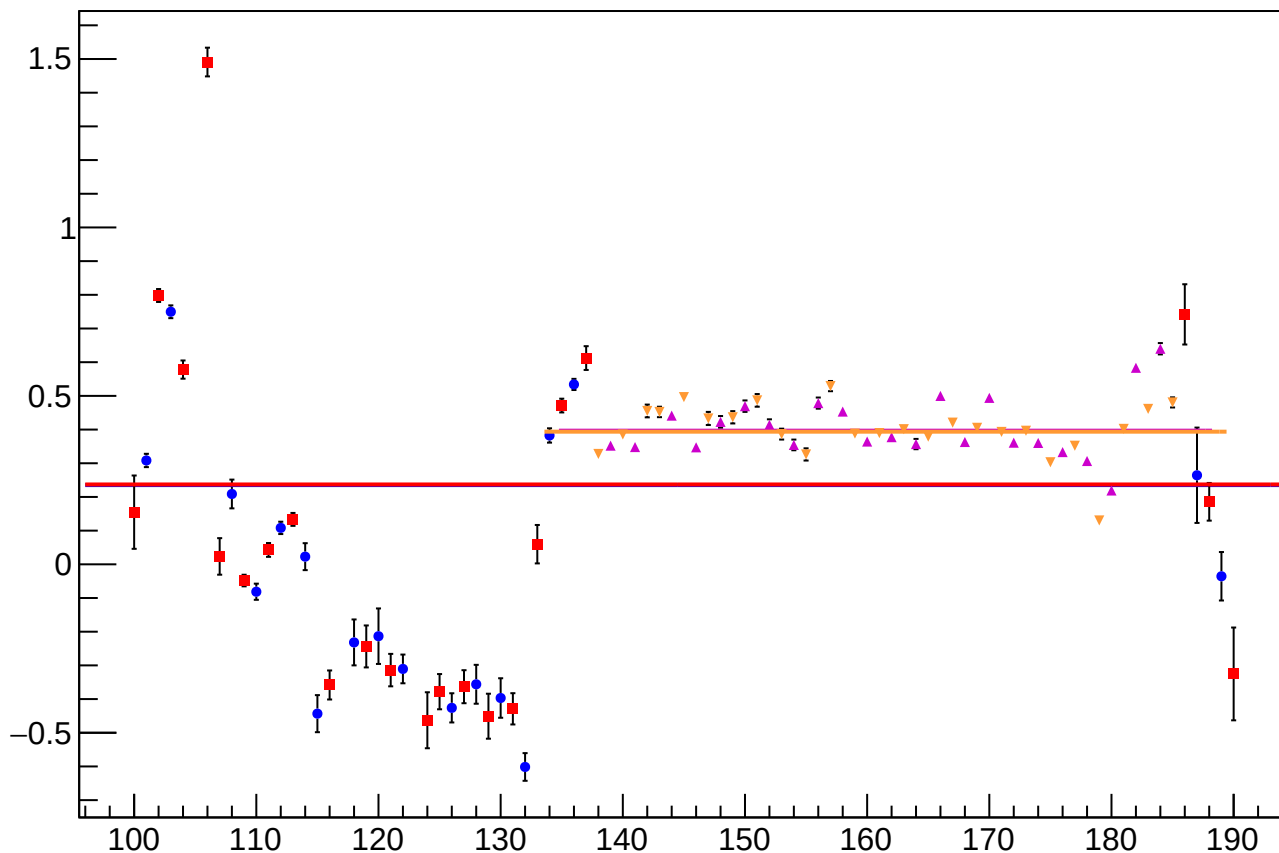
Left In: -20.324 ± 0.059 χ^2/NDF : 4272.7/22

+ sign -19.583 ± 0.052 χ^2/NDF : 8703.9/42

All: -19.589 ± 0.037 χ^2/NDF : 14511.1/87

- sign -19.595 ± 0.053 χ^2/NDF : 5807.1/44

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.235 ± 0.007 $\chi^2/\text{NDF}: 2647.2/17$

Left Out: 0.394 ± 0.003 $\chi^2/\text{NDF}: 946.9/24$

Right Out: 0.237 ± 0.007 $\chi^2/\text{NDF}: 3644.4/21$

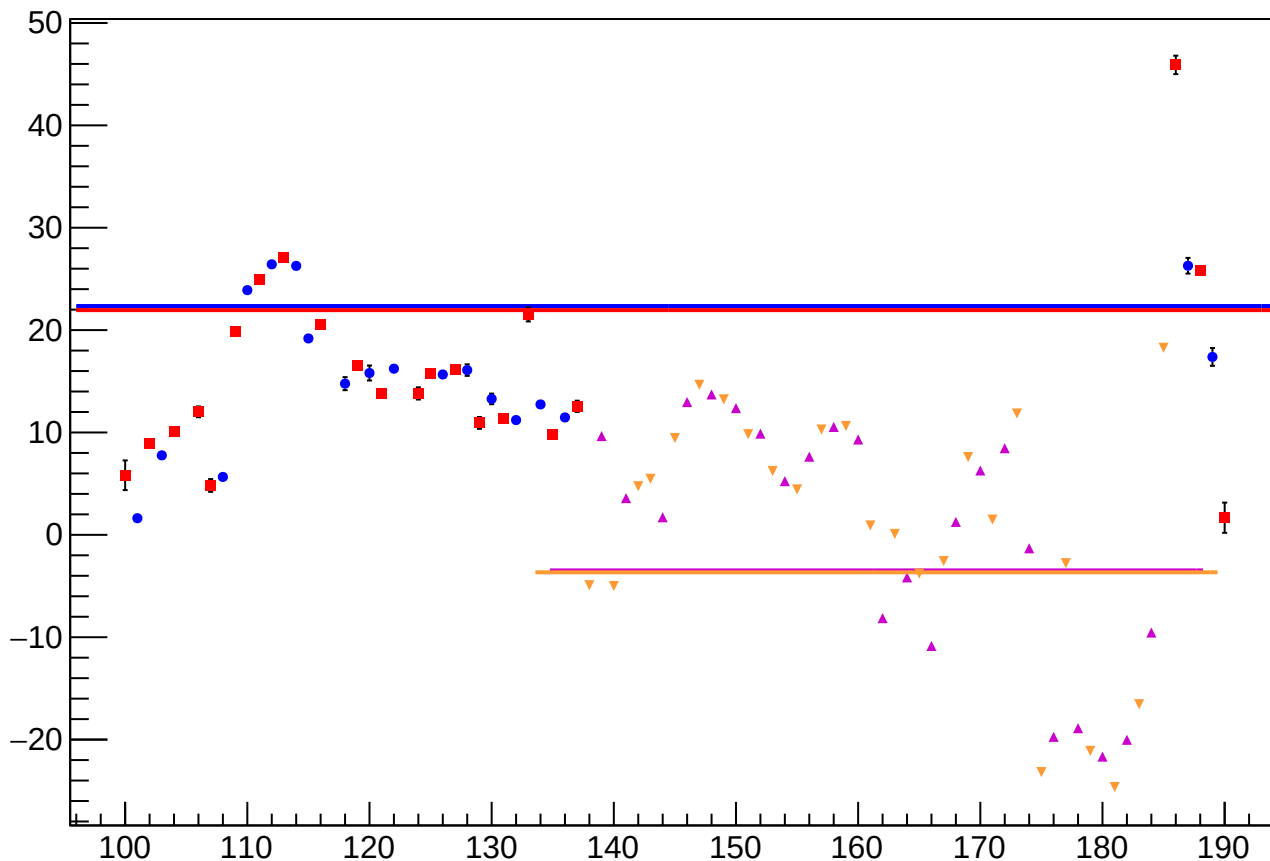
Left In: 0.397 ± 0.003 $\chi^2/\text{NDF}: 1295.7/22$

+ sign 0.375 ± 0.002 $\chi^2/\text{NDF}: 4044.2/42$

All: 0.376 ± 0.002 $\chi^2/\text{NDF}: 9440.0/87$

- sign 0.377 ± 0.002 $\chi^2/\text{NDF}: 5395.5/44$

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.351 ± 0.056 $\chi^2/\text{NDF}: 12395.9/17$

Left Out: -3.660 ± 0.055 $\chi^2/\text{NDF}: 56739.4/24$

Right Out: 21.952 ± 0.046 $\chi^2/\text{NDF}: 11682.6/21$

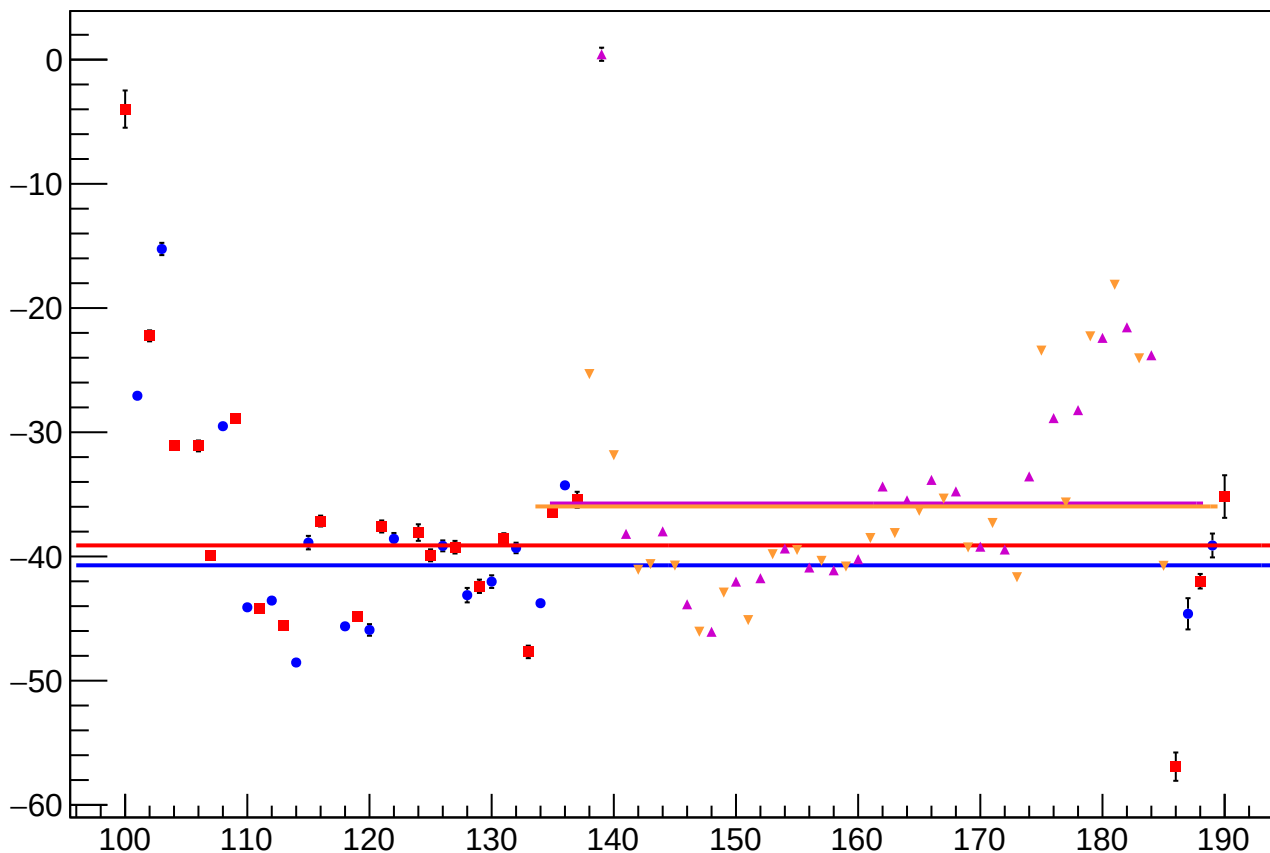
Left In: -3.475 ± 0.057 $\chi^2/\text{NDF}: 45103.9/22$

+ sign 8.935 ± 0.039 $\chi^2/\text{NDF}: 179286.0/42$

All: 10.621 ± 0.026 $\chi^2/\text{NDF}: 359109.0/87$

- sign 12.034 ± 0.036 $\chi^2/\text{NDF}: 176418.5/44$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.713 ± 0.076 $\chi^2/\text{NDF}: 7792.8/17$

Left Out: -35.973 ± 0.042 $\chi^2/\text{NDF}: 33609.3/24$

Right Out: -39.110 ± 0.070 $\chi^2/\text{NDF}: 10377.1/21$

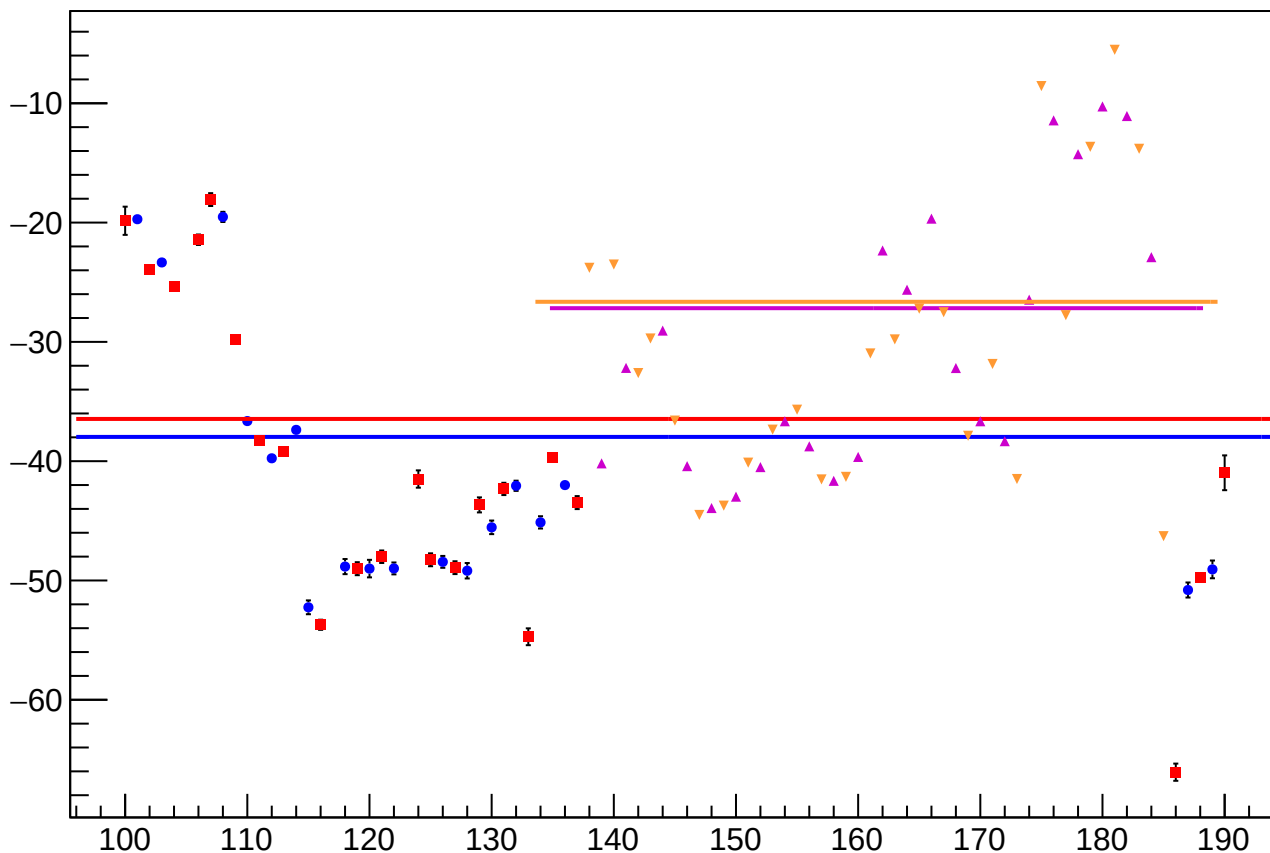
Left In: -35.737 ± 0.045 $\chi^2/\text{NDF}: 27154.8/22$

+ sign -37.097 ± 0.037 $\chi^2/\text{NDF}: 44361.7/42$

All: -36.910 ± 0.026 $\chi^2/\text{NDF}: 83578.4/87$

- sign -36.715 ± 0.038 $\chi^2/\text{NDF}: 39164.7/44$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.966 ± 0.073 $\chi^2/\text{NDF}: 11506.2/17$

Left Out: -26.639 ± 0.055 $\chi^2/\text{NDF}: 50051.9/24$

Right Out: -36.459 ± 0.063 $\chi^2/\text{NDF}: 16719.5/21$

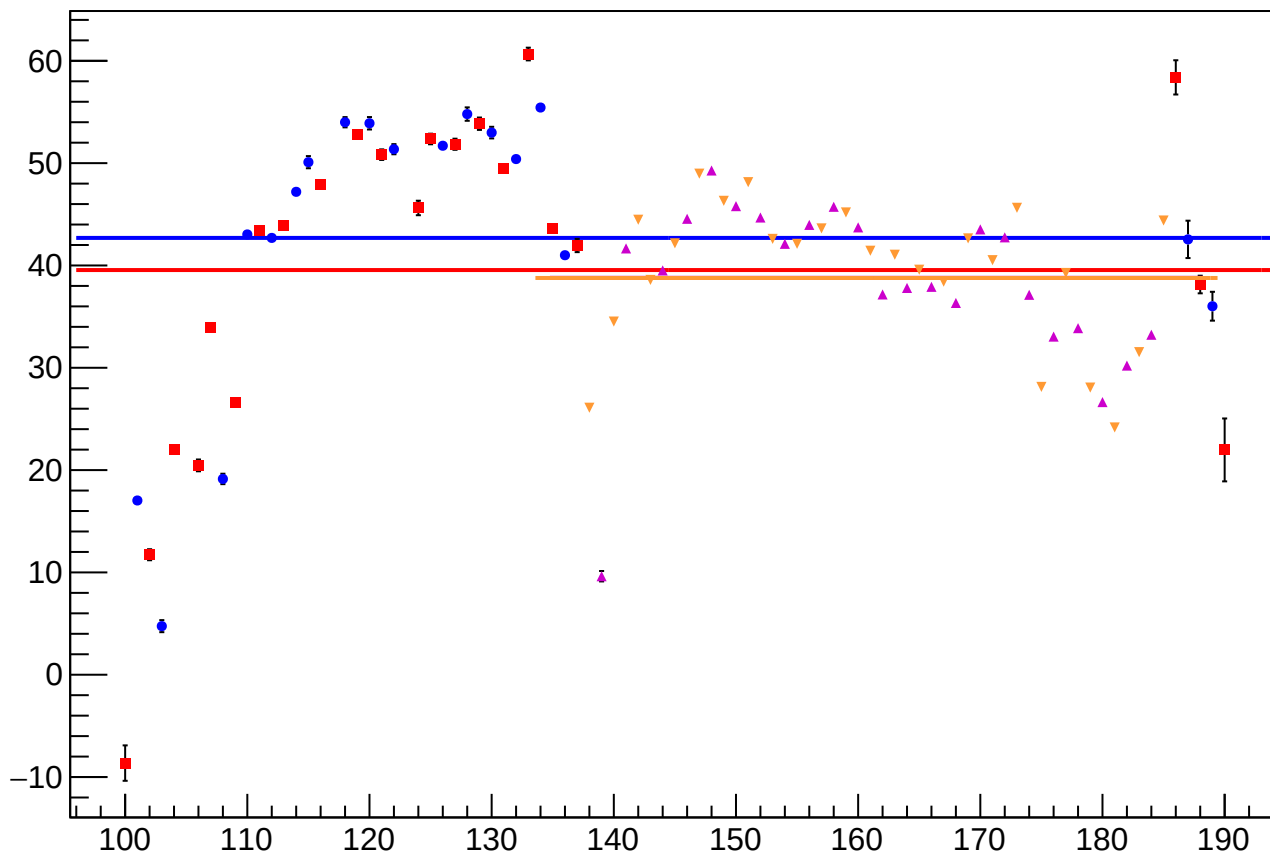
Left In: -27.176 ± 0.057 $\chi^2/\text{NDF}: 40990.1/22$

+ sign -30.708 ± 0.044 $\chi^2/\text{NDF}: 77027.9/42$

All: -31.057 ± 0.030 $\chi^2/\text{NDF}: 146789.8/87$

- sign -31.384 ± 0.042 $\chi^2/\text{NDF}: 69638.5/44$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.693 $\pm$ 0.085 χ^2 /NDF: 14787.5/17

Left Out: 38.777 $\pm$ 0.048 χ^2 /NDF:21070.6/24

Right Out: 39.551 $\pm$ 0.078 χ^2 /NDF: 18140.2/21

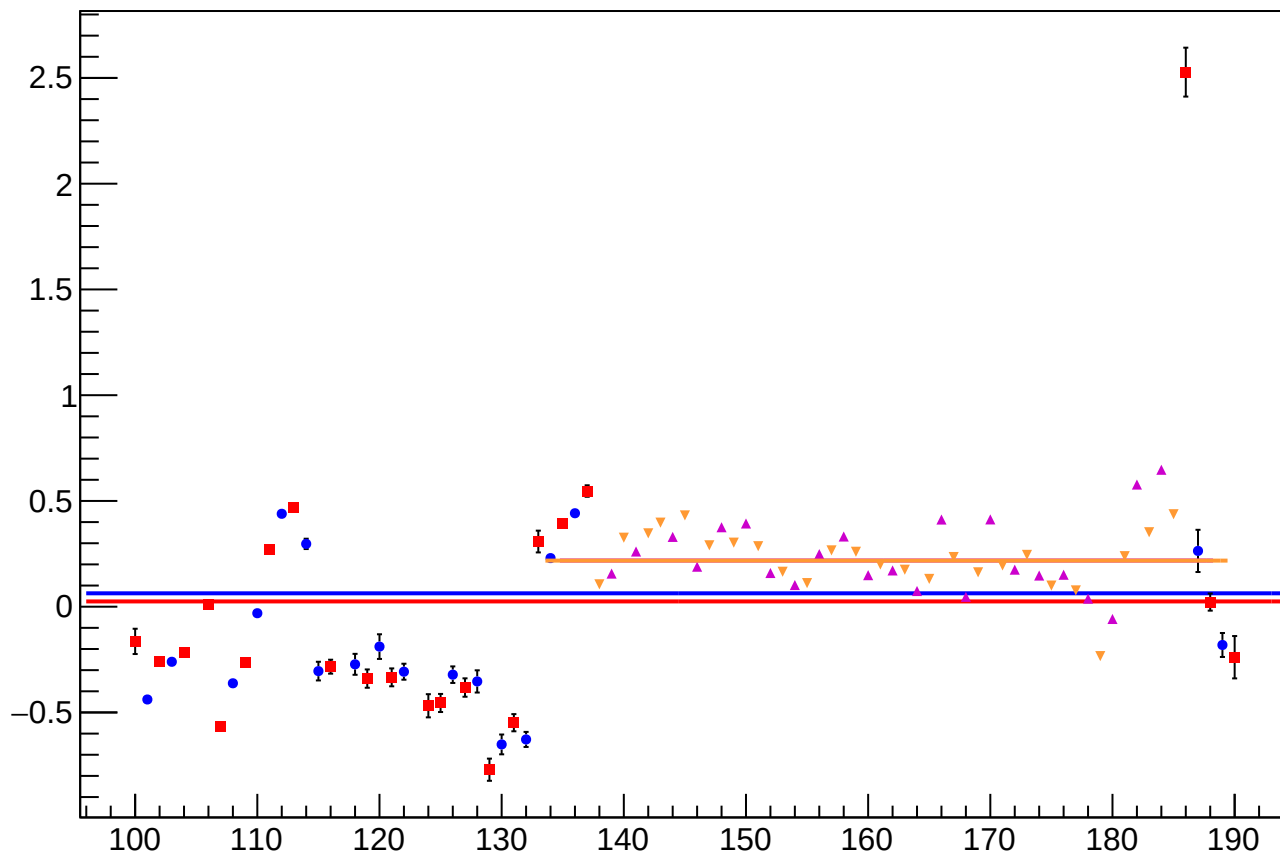
Left In: 38.791 $\pm$ 0.050 χ^2 /NDF:16240.7/22

+ sign 39.719 $\pm$ 0.042 χ^2 /NDF: 37477.6/42

All: 39.372 $\pm$ 0.030 χ^2 /NDF: 72067.2/87

- sign 39.015 $\pm$ 0.042 χ^2 /NDF: 34448.3/44

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.063 ± 0.005 $\chi^2/\text{NDF}: 5520.2/17$

Left Out: 0.218 ± 0.002 $\chi^2/\text{NDF}: 4075.0/24$

Right Out: 0.025 ± 0.004 $\chi^2/\text{NDF}: 6881.0/21$

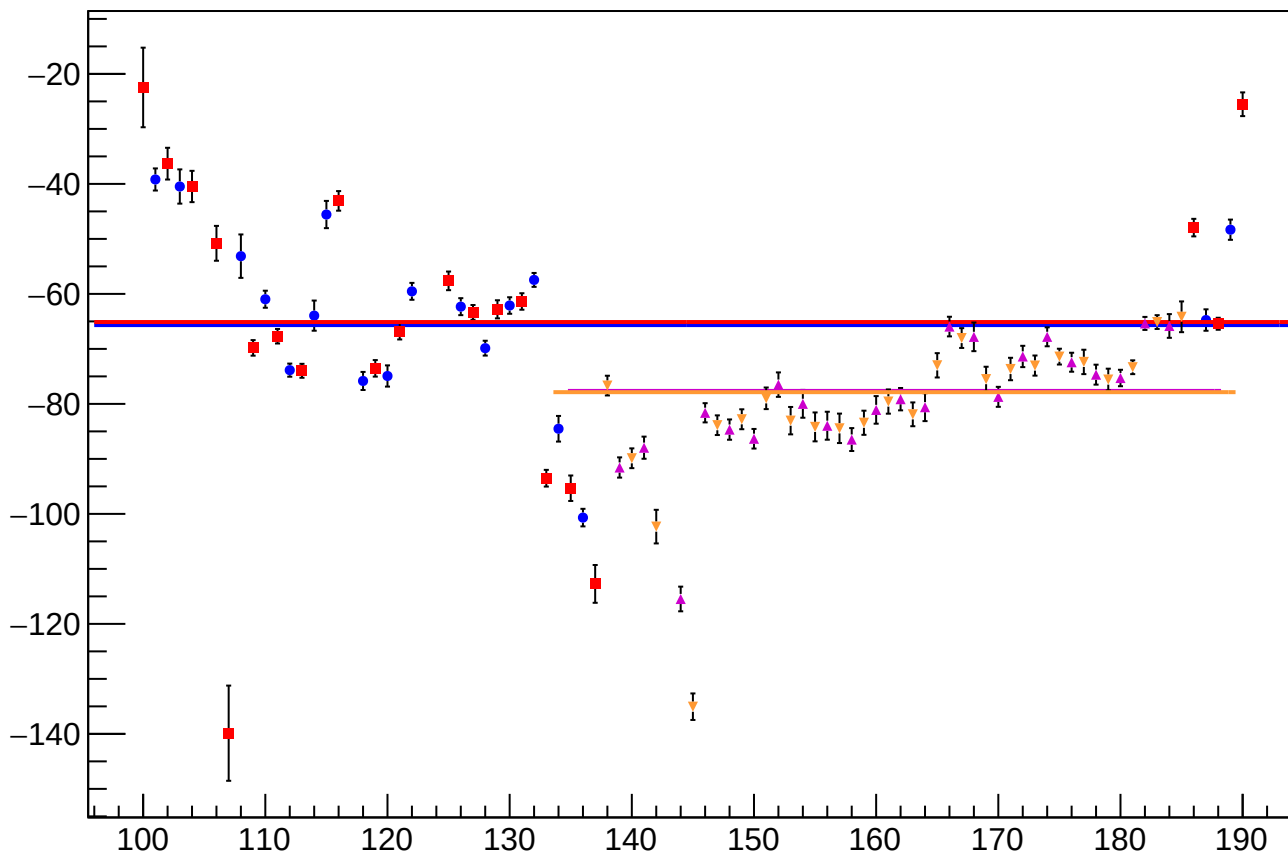
Left In: 0.218 ± 0.002 $\chi^2/\text{NDF}: 5312.2/22$

+ sign 0.192 ± 0.002 $\chi^2/\text{NDF}: 10453.9/42$

All: 0.185 ± 0.001 $\chi^2/\text{NDF}: 24235.7/87$

- sign 0.178 ± 0.002 $\chi^2/\text{NDF}: 13756.2/44$

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -65.673 ± 0.406 $\chi^2/\text{NDF}: 1146.9/17$

Left Out: -77.867 ± 0.394 $\chi^2/\text{NDF}: 932.3/23$

Right Out: -65.115 ± 0.374 $\chi^2/\text{NDF}: 1748.0/20$

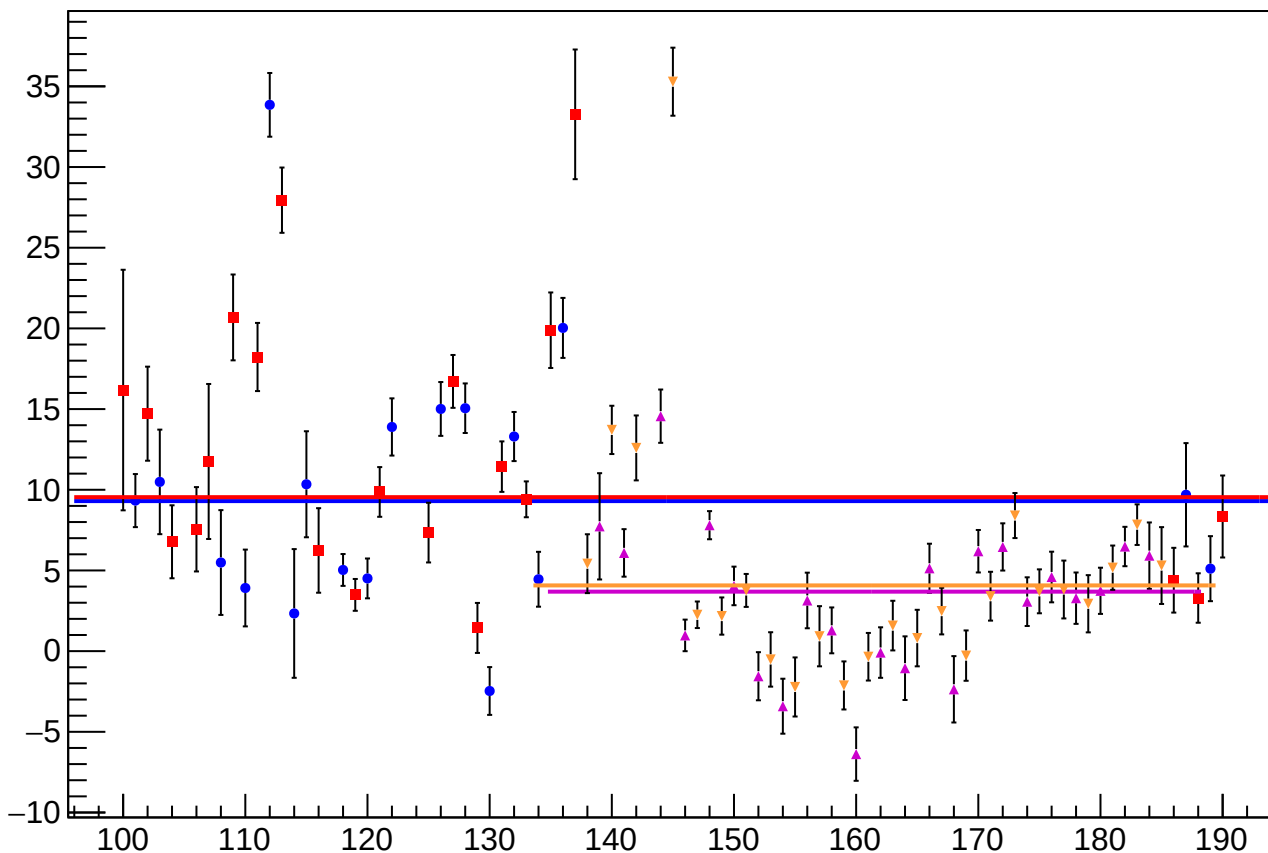
Left In: -77.643 ± 0.396 $\chi^2/\text{NDF}: 693.3/22$

+ sign -71.951 ± 0.283 $\chi^2/\text{NDF}: 2543.7/41$

All: -71.469 ± 0.196 $\chi^2/\text{NDF}: 5518.3/85$

- sign -71.022 ± 0.272 $\chi^2/\text{NDF}: 2969.0/43$

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.298 ± 0.415 χ^2/NDF : 346.5/17

Left Out: 4.073 ± 0.297 χ^2/NDF : 370.6/23

Right Out: 9.541 ± 0.405 χ^2/NDF : 290.1/20

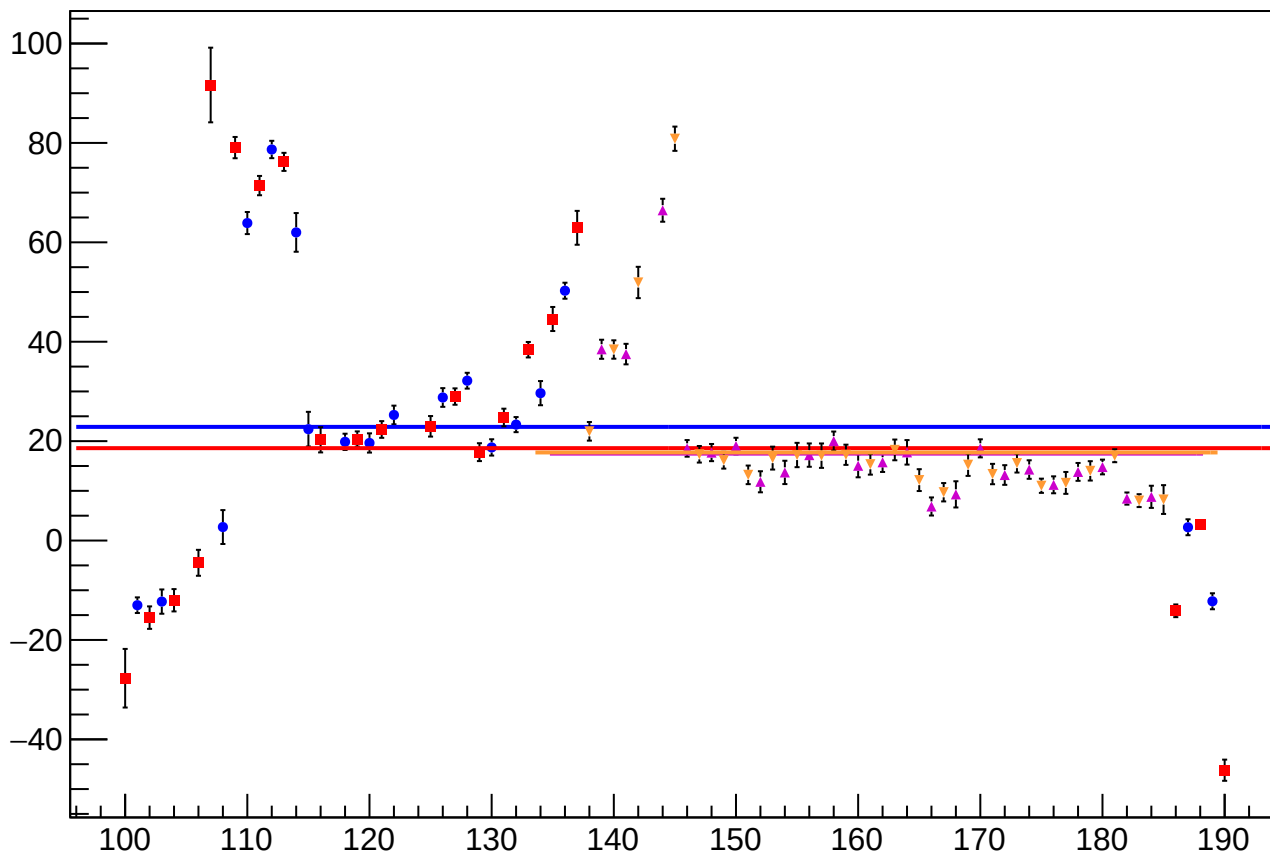
Left In: 3.686 ± 0.302 χ^2/NDF : 182.6/22

+ sign 5.839 ± 0.241 χ^2/NDF : 821.8/41

All: 5.808 ± 0.171 χ^2/NDF : 1429.0/85

- sign 5.776 ± 0.242 χ^2/NDF : 607.2/43

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 22.869 $\pm$ 0.444 χ^2 /NDF: 3216.1/17

Left Out: 17.723 $\pm$ 0.391 χ^2 /NDF:1058.3/23

Right Out: 18.588 $\pm$ 0.398 χ^2 /NDF: 5581.4/20

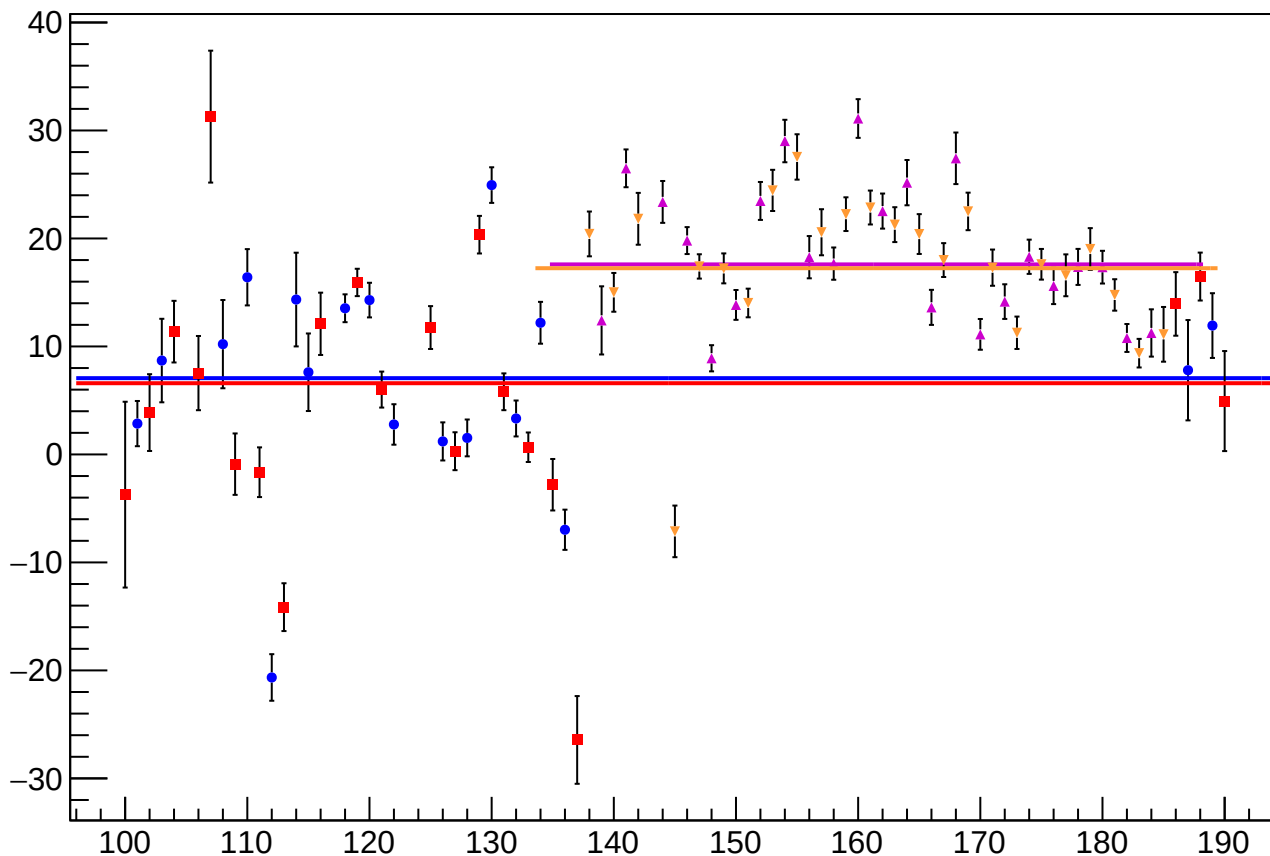
Left In: 17.491 $\pm$ 0.393 χ^2 /NDF:820.7/22

+ sign 19.972 $\pm$ 0.293 χ^2 /NDF: 4350.1/41

All: 18.955 $\pm$ 0.202 χ^2 /NDF: 10778.9/85

- sign 18.033 $\pm$ 0.280 χ^2 /NDF: 6405.9/43

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 7.063 $\pm$ 0.486 χ^2 /NDF: 447.1/17

Left Out: 17.245 $\pm$ 0.338 χ^2 /NDF: 260.8/23

Right Out: 6.595 $\pm$ 0.480 χ^2 /NDF: 395.8/20

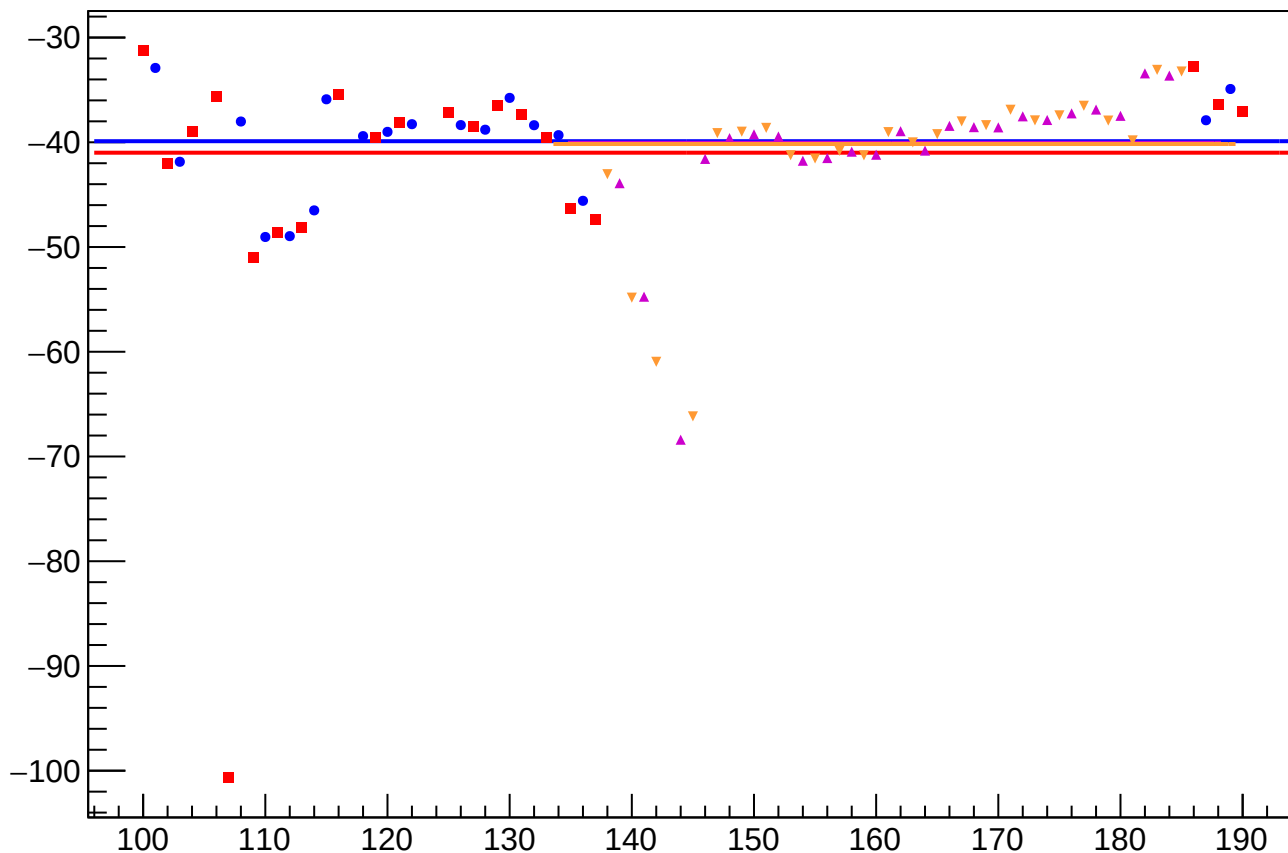
Left In: 17.597 $\pm$ 0.342 χ^2 /NDF: 309.7/22

+ sign 13.926 $\pm$ 0.278 χ^2 /NDF: 1003.5/41

All: 13.909 $\pm$ 0.197 χ^2 /NDF: 2057.0/85

- sign 13.891 $\pm$ 0.279 χ^2 /NDF: 1053.6/43

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.896 ± 0.030 χ^2/NDF : 22737.4/17

Left Out: -40.165 ± 0.015 χ^2/NDF : 163335.9/23

Right Out: -40.995 ± 0.030 χ^2/NDF : 63983.1/20

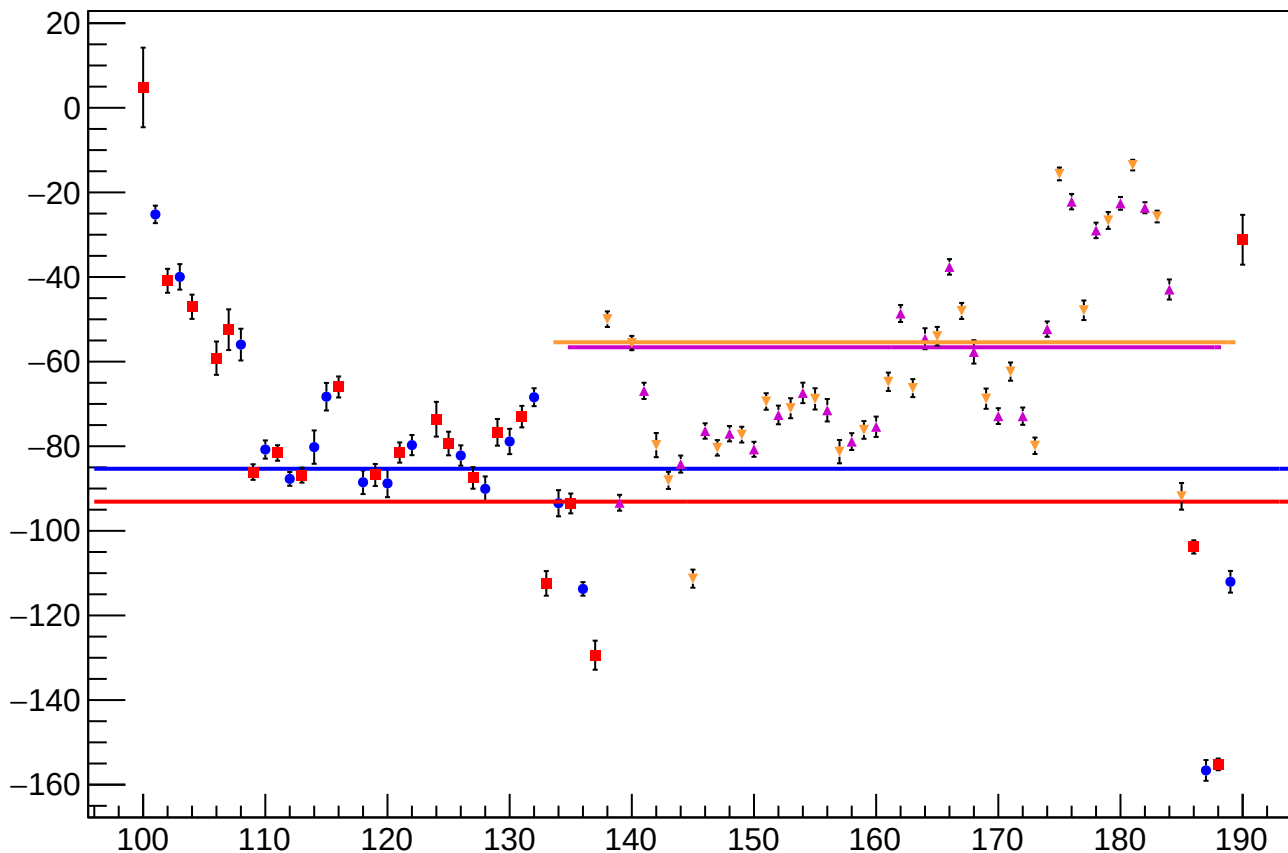
Left In: -40.050 ± 0.015 χ^2/NDF : 136438.5/22

+ sign -40.109 ± 0.014 χ^2/NDF : 186136.2/41

All: -40.180 ± 0.010 χ^2/NDF : 387414.3/85

- sign -40.251 ± 0.014 χ^2/NDF : 201224.2/43

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -85.325 ± 0.578 χ^2/NDF : 2524.1/17

Left Out: -55.424 ± 0.393 χ^2/NDF : 4525.3/24

Right Out: -93.100 ± 0.520 χ^2/NDF : 3539.3/21

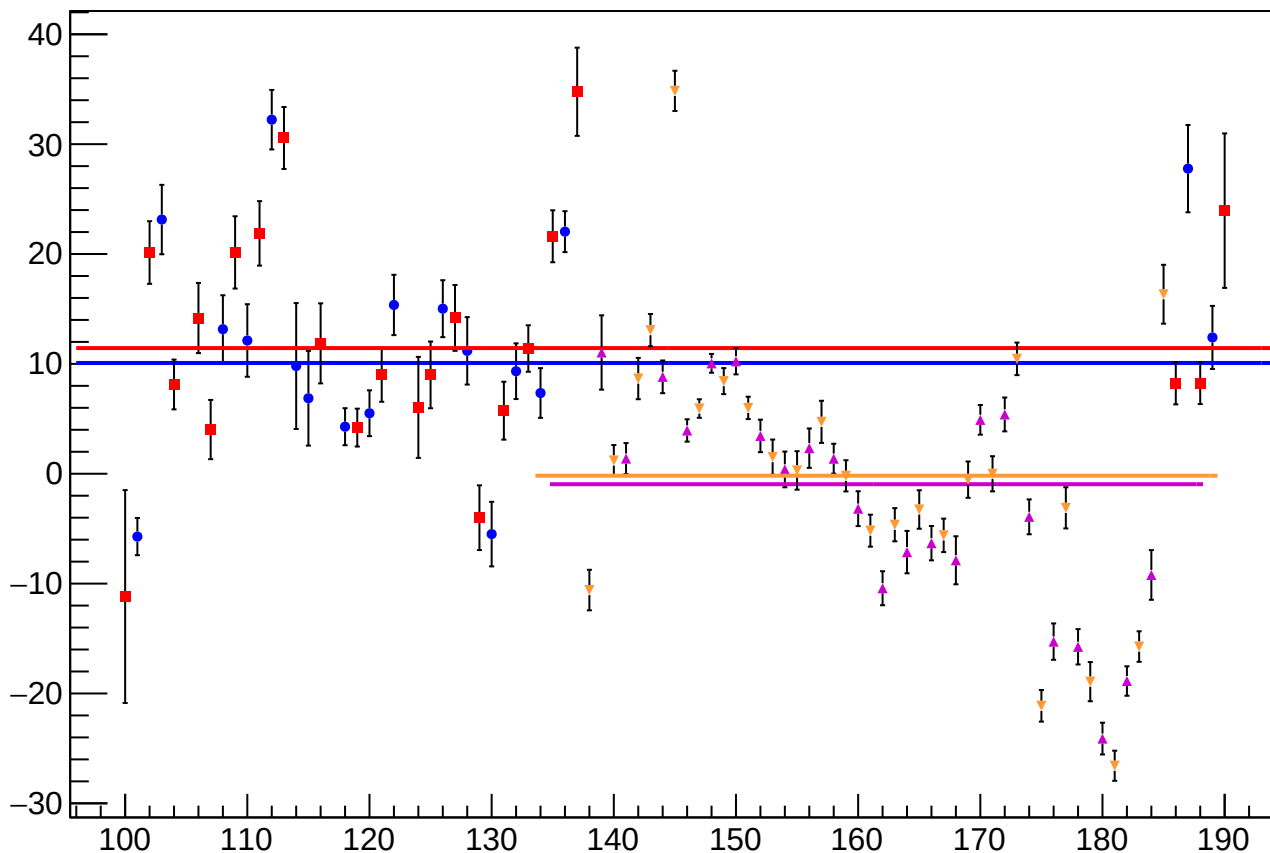
Left In: -56.609 ± 0.404 χ^2/NDF : 3350.3/22

+ sign -64.894 ± 0.325 χ^2/NDF : 8879.9/42

All: -67.672 ± 0.228 χ^2/NDF : 18987.7/87

- sign -70.345 ± 0.319 χ^2/NDF : 9964.5/44

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 10.084 $\pm$ 0.600 χ^2 /NDF: 288.3/17

Left Out: -0.179 $\pm$ 0.294 χ^2 /NDF:1598.6/24

Right Out: 11.439 $\pm$ 0.574 χ^2 /NDF: 205.5/21

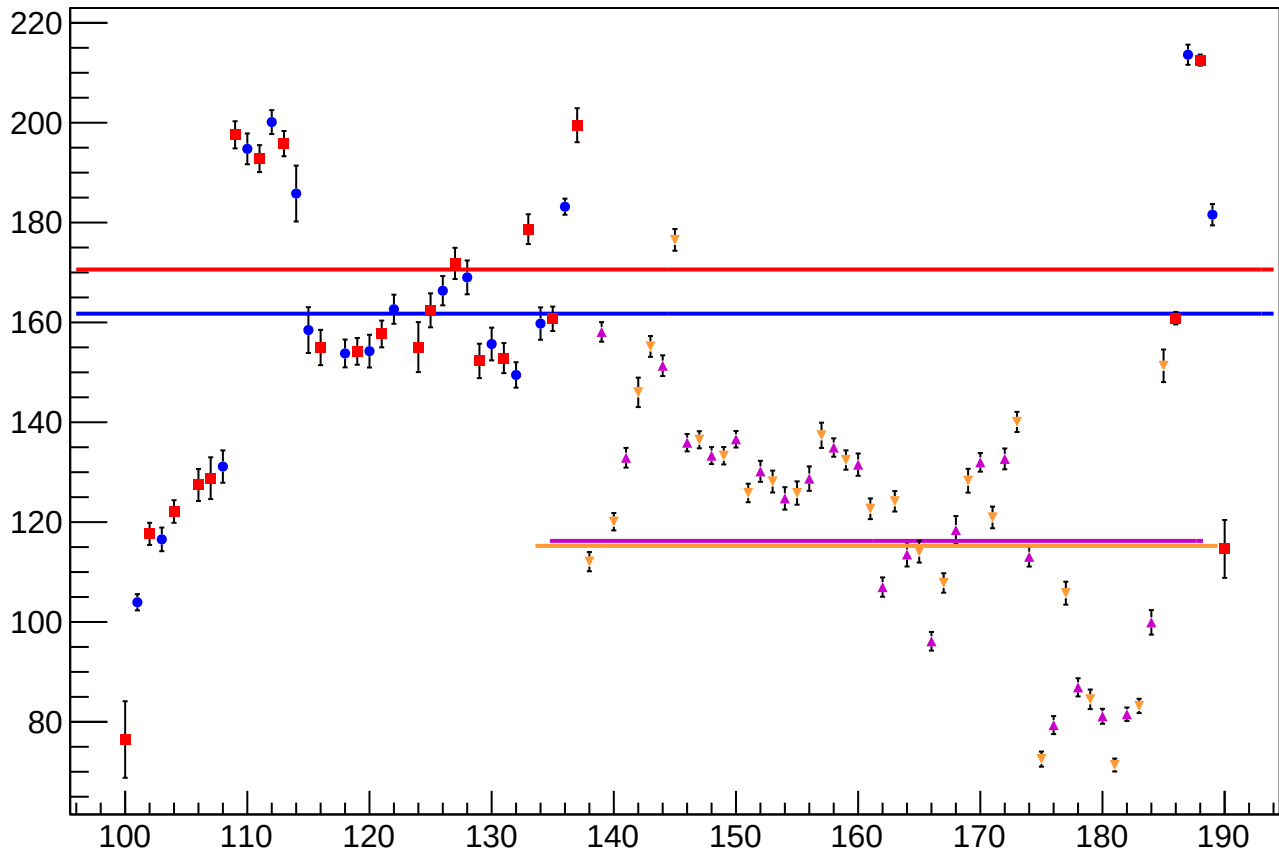
Left In: -0.952 $\pm$ 0.304 χ^2 /NDF:1069.6/22

+ sign 1.808 $\pm$ 0.264 χ^2 /NDF: 2122.6/42

All: 1.785 $\pm$ 0.188 χ^2 /NDF: 3761.2/87

- sign 1.761 $\pm$ 0.269 χ^2 /NDF: 1638.6/44

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 161.751 $\pm$ 0.603 χ^2 /NDF: 3090.6/17

Left Out: 115.243 $\pm$ 0.390 χ^2 /NDF: 4836.5/24

Right Out: 170.598 $\pm$ 0.525 χ^2 /NDF: 3563.8/21

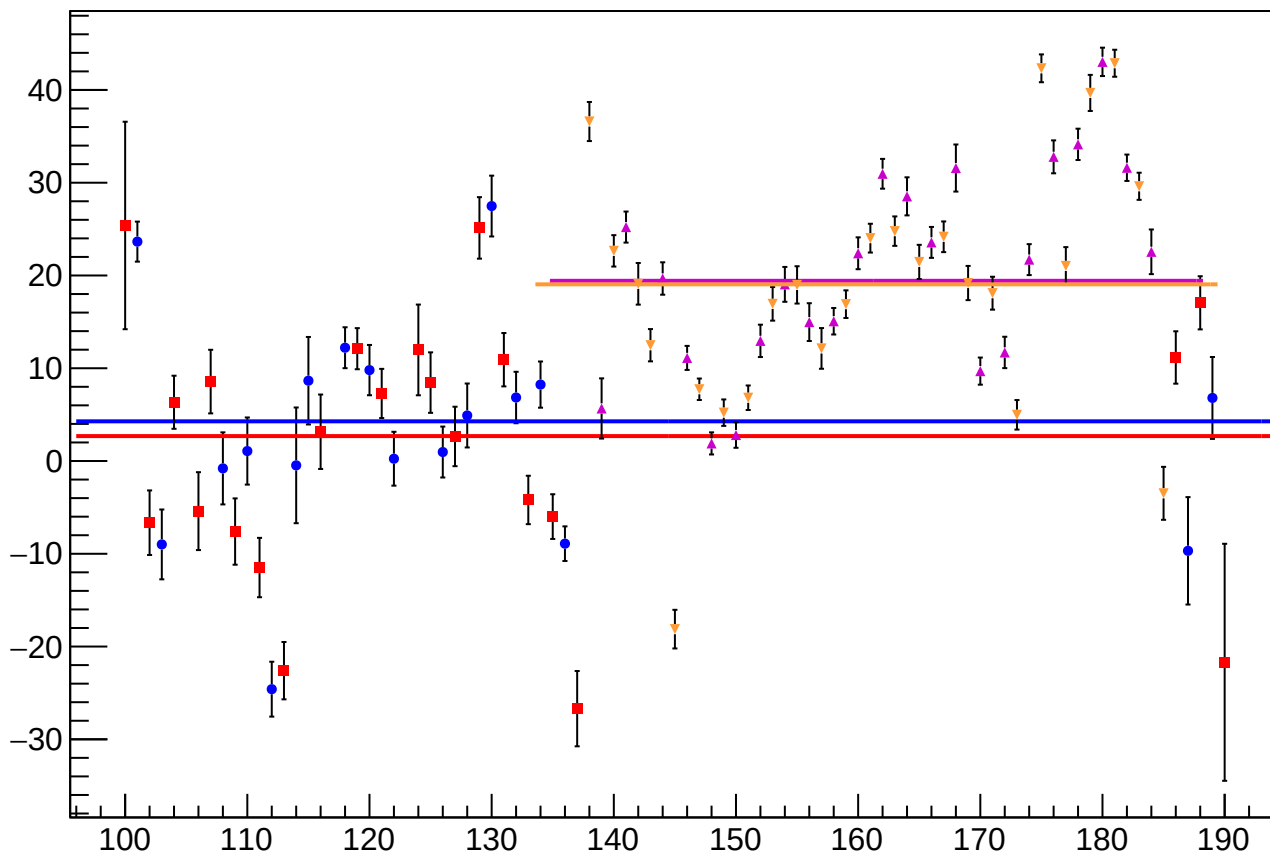
Left In: 116.246 $\pm$ 0.399 χ^2 /NDF: 3637.3/22

+ sign 128.971 $\pm$ 0.328 χ^2 /NDF: 12117.4/42

All: 132.678 $\pm$ 0.228 χ^2 /NDF: 26360.8/87

- sign 136.163 $\pm$ 0.318 χ^2 /NDF: 13995.2/44

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.278 $\pm$ 0.700 χ^2/NDF : 322.3/17

Left Out: 19.046 $\pm$ 0.336 χ^2/NDF :1545.8/24

Right Out: 2.686 $\pm$ 0.687 χ^2/NDF : 306.5/21

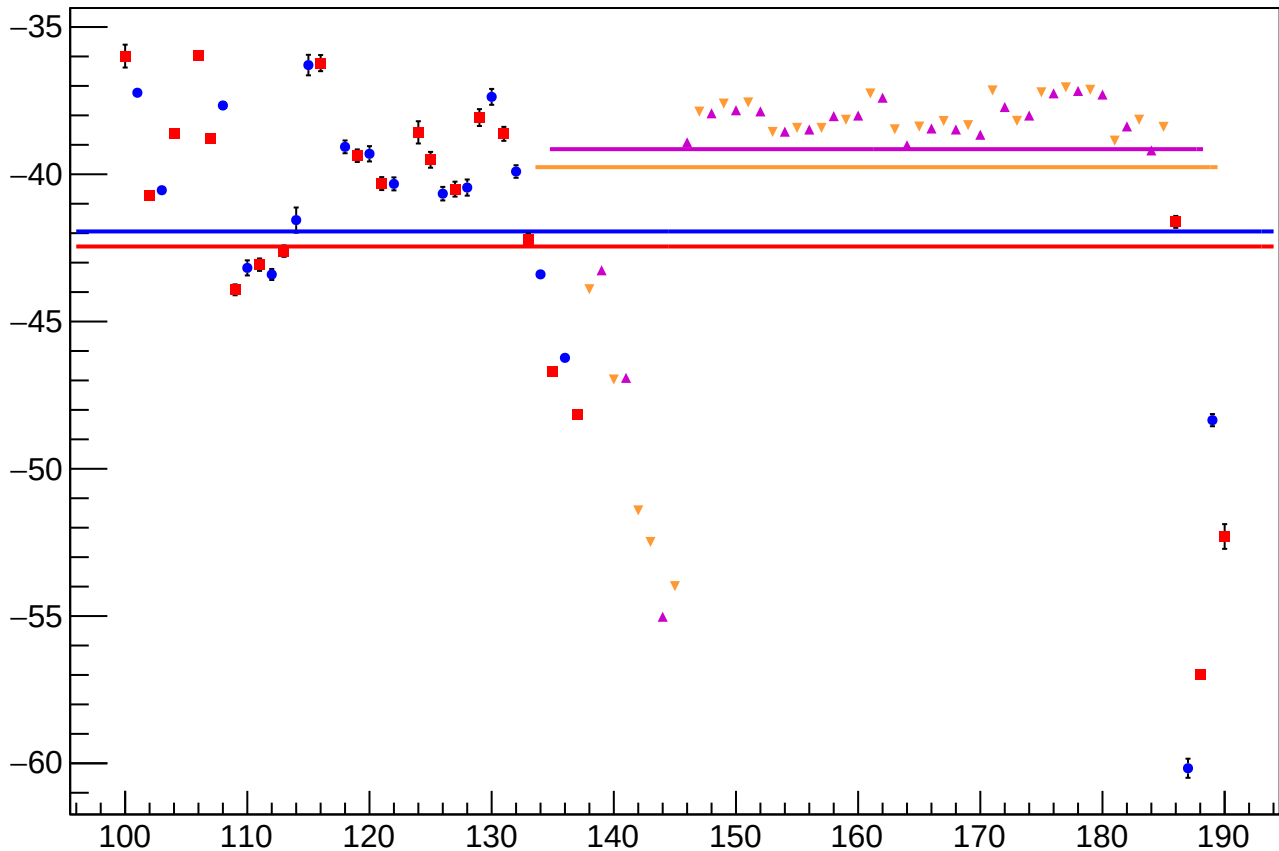
Left In: 19.425 $\pm$ 0.346 χ^2/NDF :1077.2/22

+ sign 16.277 $\pm$ 0.303 χ^2/NDF : 2230.0/42

All: 16.160 $\pm$ 0.216 χ^2/NDF : 4088.2/87

- sign 16.039 $\pm$ 0.309 χ^2/NDF : 1857.9/44

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.941 ± 0.037 χ^2/NDF : 12182.7/17

Left Out: -39.758 ± 0.015 χ^2/NDF : 81865.0/24

Right Out: -42.452 ± 0.037 χ^2/NDF : 18426.2/21

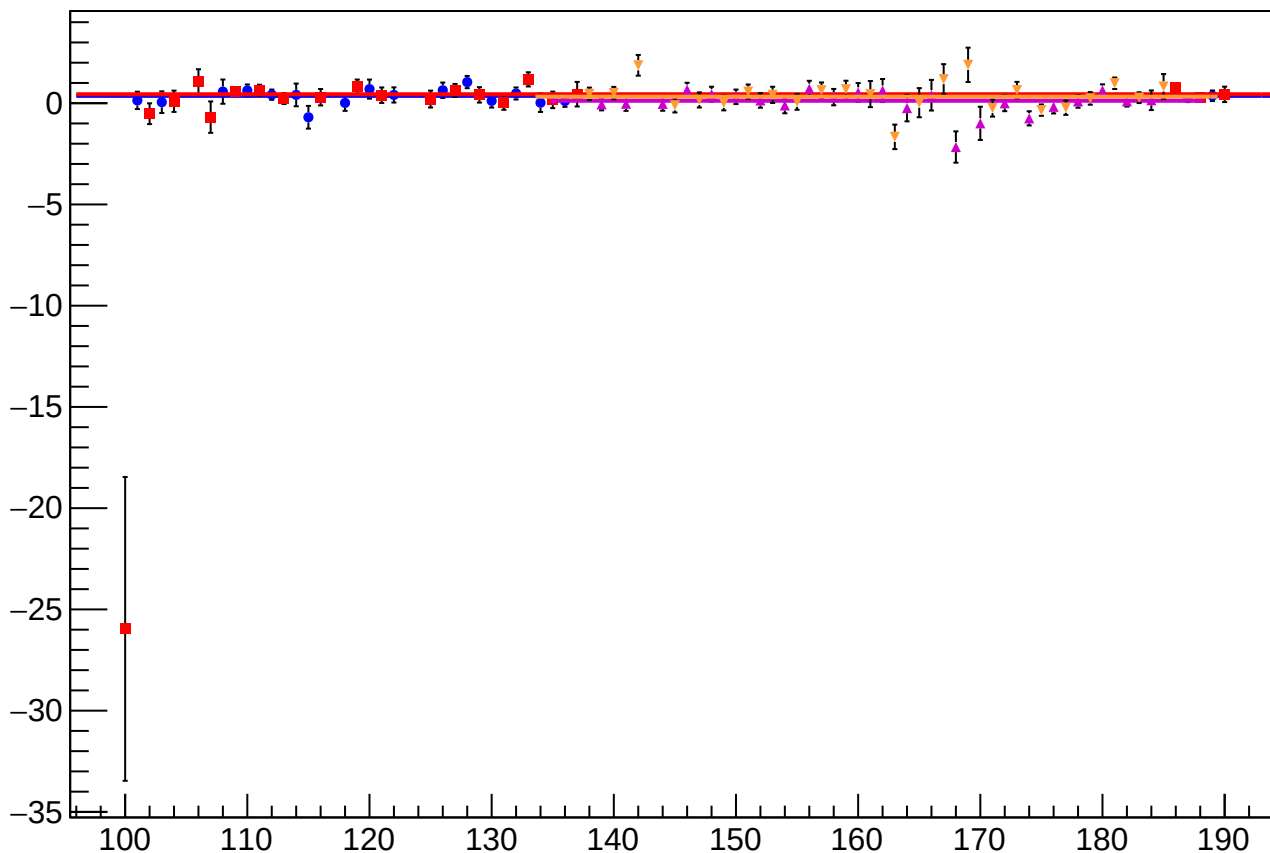
Left In: -39.147 ± 0.016 χ^2/NDF : 46907.5/22

+ sign -40.078 ± 0.014 χ^2/NDF : 96980.8/42

All: -39.860 ± 0.010 χ^2/NDF : 169425.7/87

- sign -39.637 ± 0.014 χ^2/NDF : 71969.8/44

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.363 ± 0.081 χ^2/NDF : 14.3/17

Left Out: 0.321 ± 0.078 χ^2/NDF : 46.9/23

Right Out: 0.443 ± 0.067 χ^2/NDF : 34.5/20

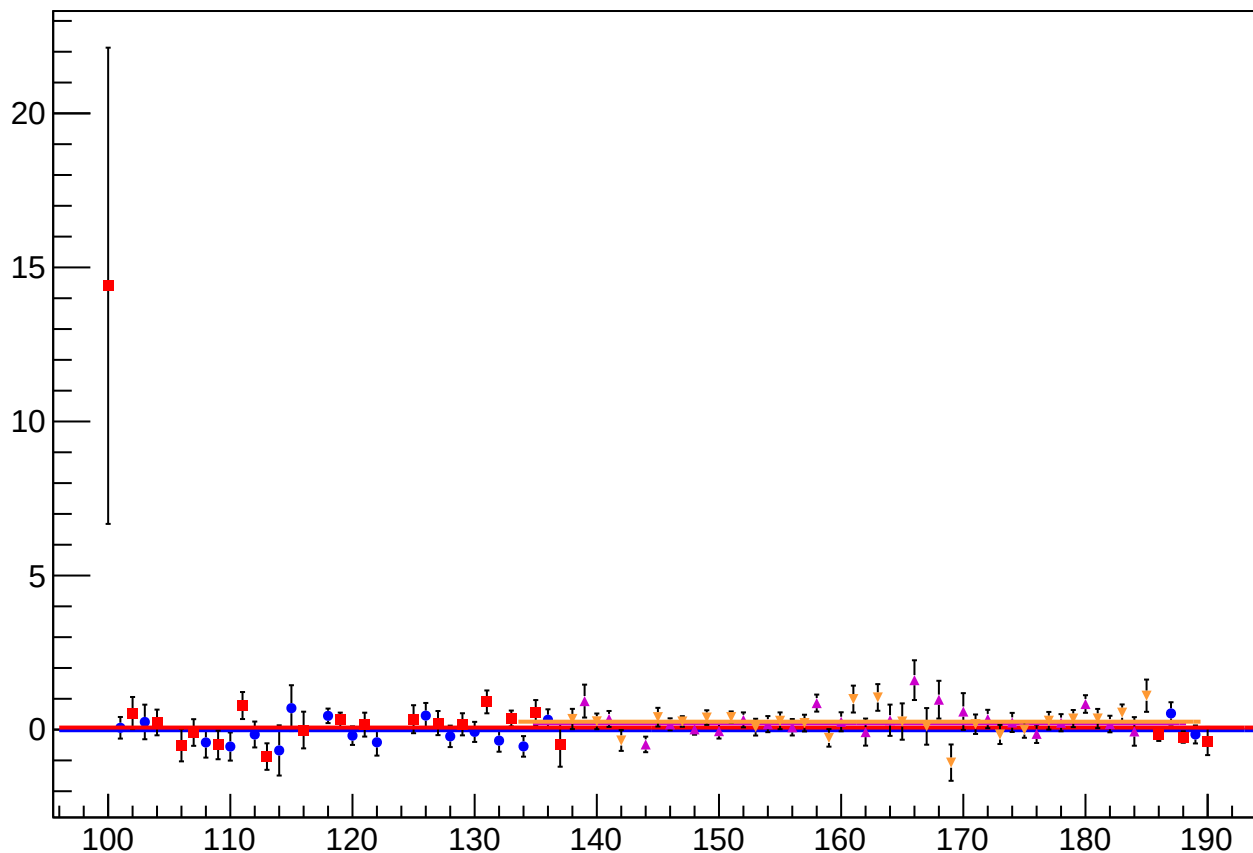
Left In: 0.120 ± 0.079 χ^2/NDF : 30.0/22

+ sign 0.341 ± 0.056 χ^2/NDF : 61.3/41

All: 0.324 ± 0.038 χ^2/NDF : 135.7/85

- sign 0.309 ± 0.051 χ^2/NDF : 74.2/43

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.020 ± 0.087 χ^2/NDF : 17.6/17

Left Out: 0.257 ± 0.059 χ^2/NDF : 26.5/23

Right Out: 0.066 ± 0.077 χ^2/NDF : 29.6/20

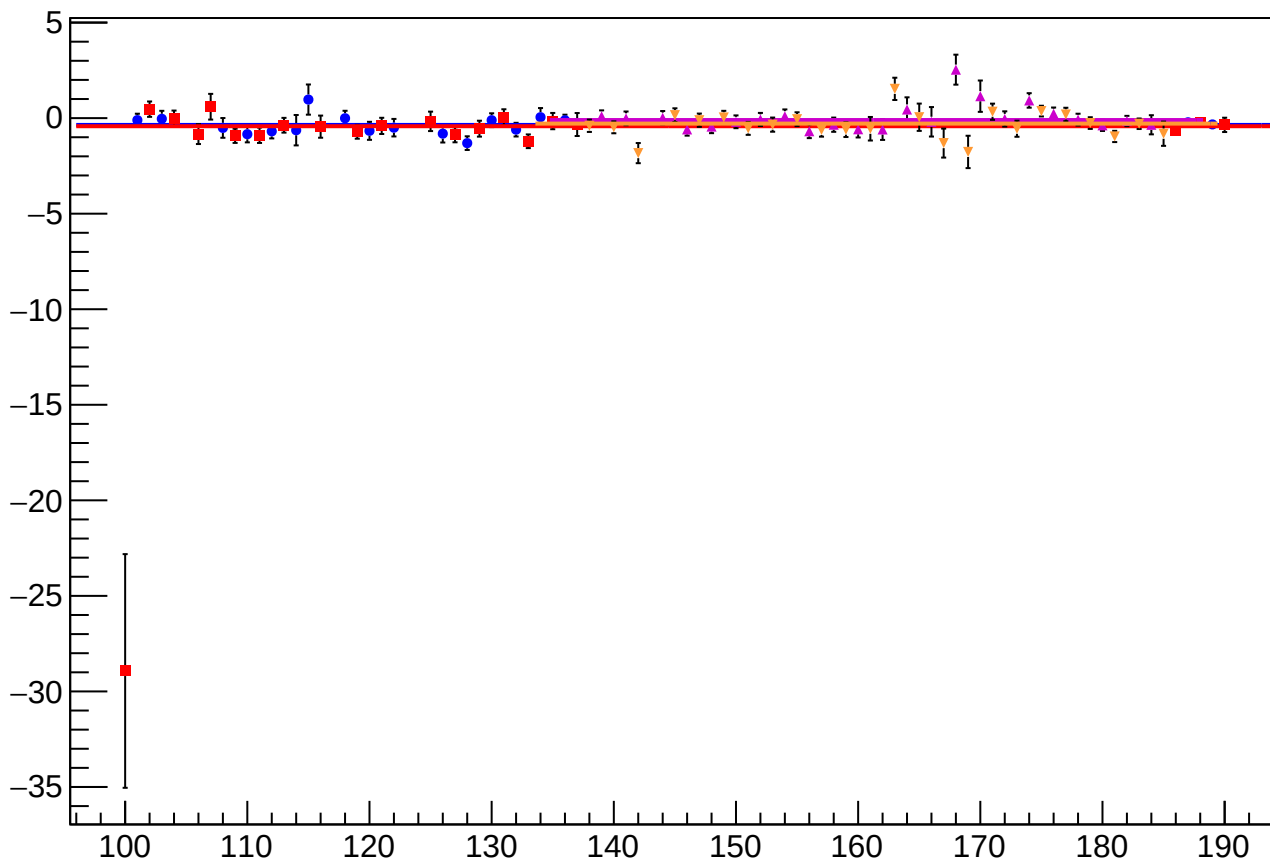
Left In: 0.207 ± 0.060 χ^2/NDF : 31.9/22

+ sign 0.169 ± 0.049 χ^2/NDF : 51.0/41

All: 0.161 ± 0.034 χ^2/NDF : 114.6/85

- sign 0.153 ± 0.048 χ^2/NDF : 63.6/43

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.356 ± 0.083 χ^2/NDF : 18.6/17

Left Out: -0.286 ± 0.077 χ^2/NDF : 45.0/23

Right Out: -0.424 ± 0.064 χ^2/NDF : 48.0/20

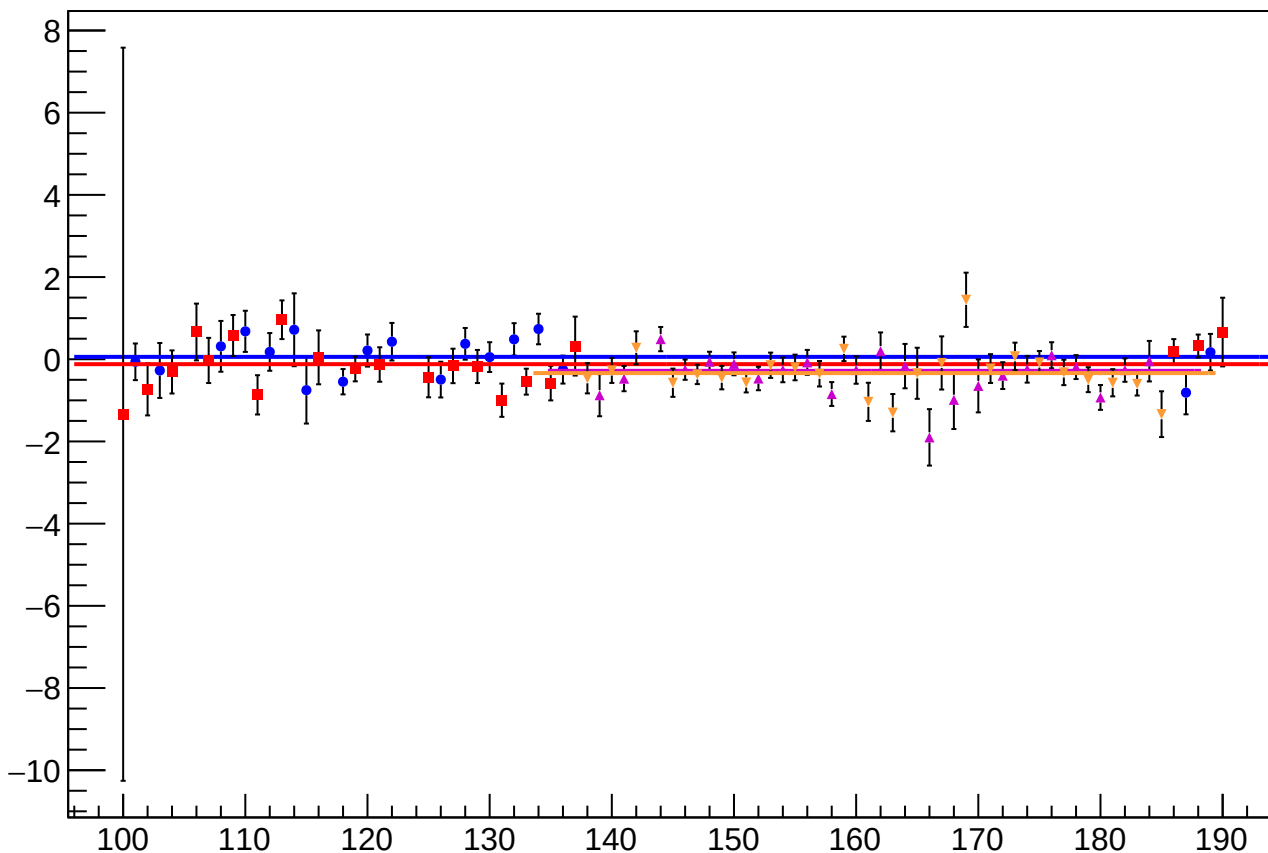
Left In: -0.100 ± 0.078 χ^2/NDF : 33.2/22

+ sign -0.319 ± 0.057 χ^2/NDF : 64.0/41

All: -0.305 ± 0.037 χ^2/NDF : 155.6/85

- sign -0.295 ± 0.050 χ^2/NDF : 91.5/43

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.058 ± 0.103 χ^2/NDF : 18.7/17

Left Out: -0.337 ± 0.068 χ^2/NDF : 30.1/23

Right Out: -0.119 ± 0.096 χ^2/NDF : 25.3/20

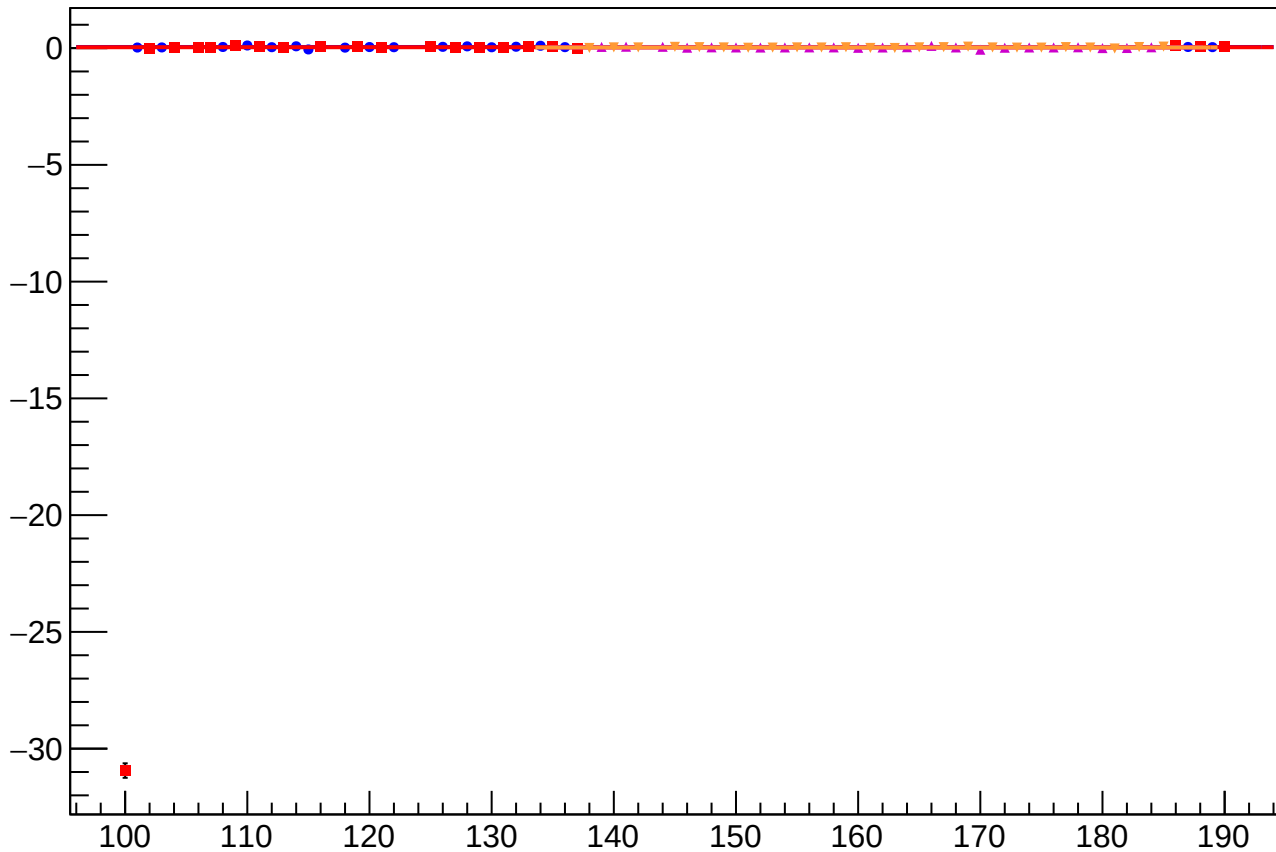
Left In: -0.282 ± 0.069 χ^2/NDF : 29.0/22

+ sign -0.217 ± 0.057 χ^2/NDF : 59.1/41

All: -0.222 ± 0.040 χ^2/NDF : 115.2/85

- sign -0.227 ± 0.056 χ^2/NDF : 56.1/43

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.048 $\pm$ 0.006 χ^2 /NDF: 19.3/17

Left Out: 0.028 $\pm$ 0.003 χ^2 /NDF: 27.6/23

Right Out: 0.038 $\pm$ 0.006 χ^2 /NDF: 10037.7/20

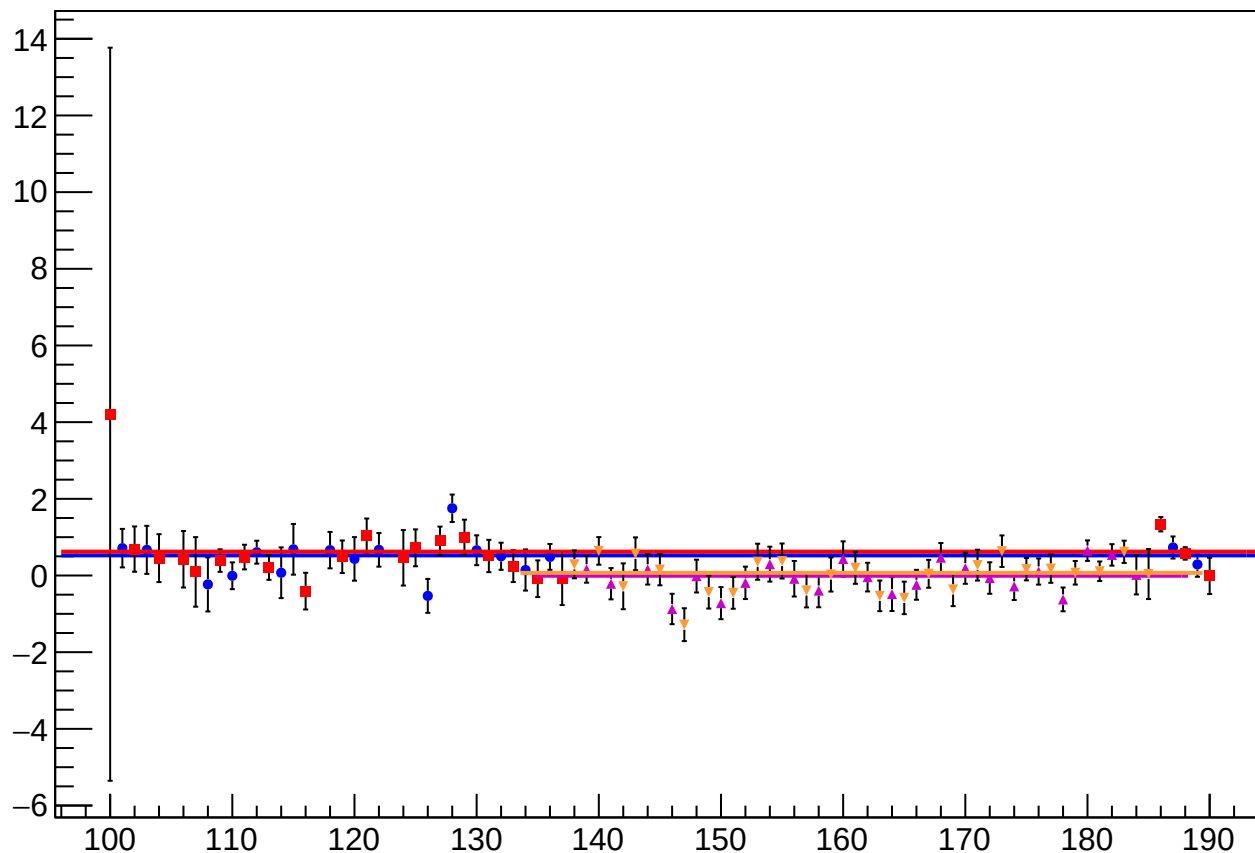
Left In: 0.029 $\pm$ 0.003 χ^2 /NDF: 38.9/22

+ sign 0.032 $\pm$ 0.003 χ^2 /NDF: 56.0/41

All: 0.032 $\pm$ 0.002 χ^2 /NDF: 10134.6/85

- sign 0.032 $\pm$ 0.003 χ^2 /NDF: 10078.5/43

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.525 ± 0.097 χ^2/NDF : 23.7/17

Left Out: 0.069 ± 0.077 χ^2/NDF : 31.1/24

Right Out: 0.623 ± 0.079 χ^2/NDF : 30.7/21

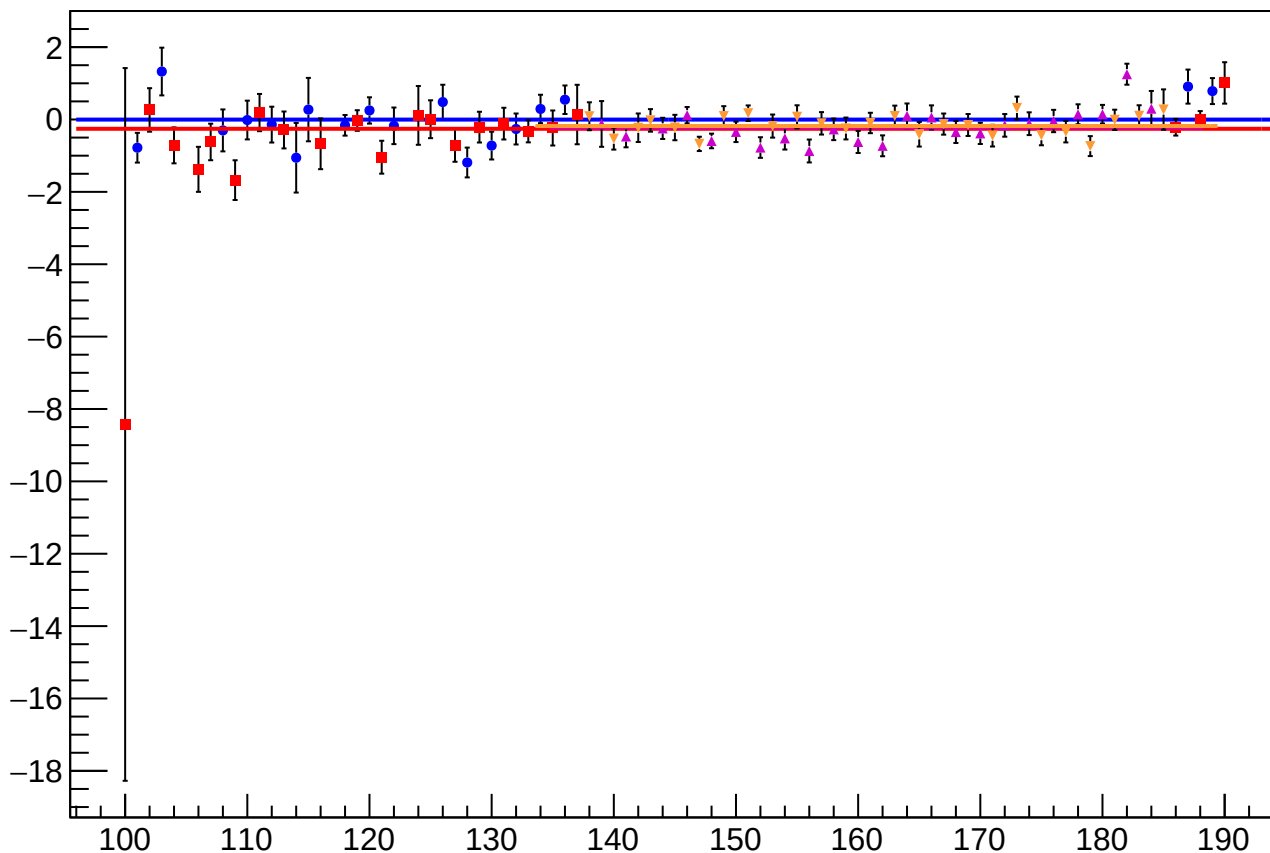
Left In: -0.006 ± 0.079 χ^2/NDF : 28.5/22

+ sign 0.246 ± 0.060 χ^2/NDF : 68.4/42

All: 0.281 ± 0.041 χ^2/NDF : 159.9/87

- sign 0.311 ± 0.056 χ^2/NDF : 90.9/44

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.003 ± 0.104 χ^2/NDF : 34.4/17

Left Out: -0.180 ± 0.059 χ^2/NDF : 24.7/24

Right Out: -0.257 ± 0.091 χ^2/NDF : 25.5/21

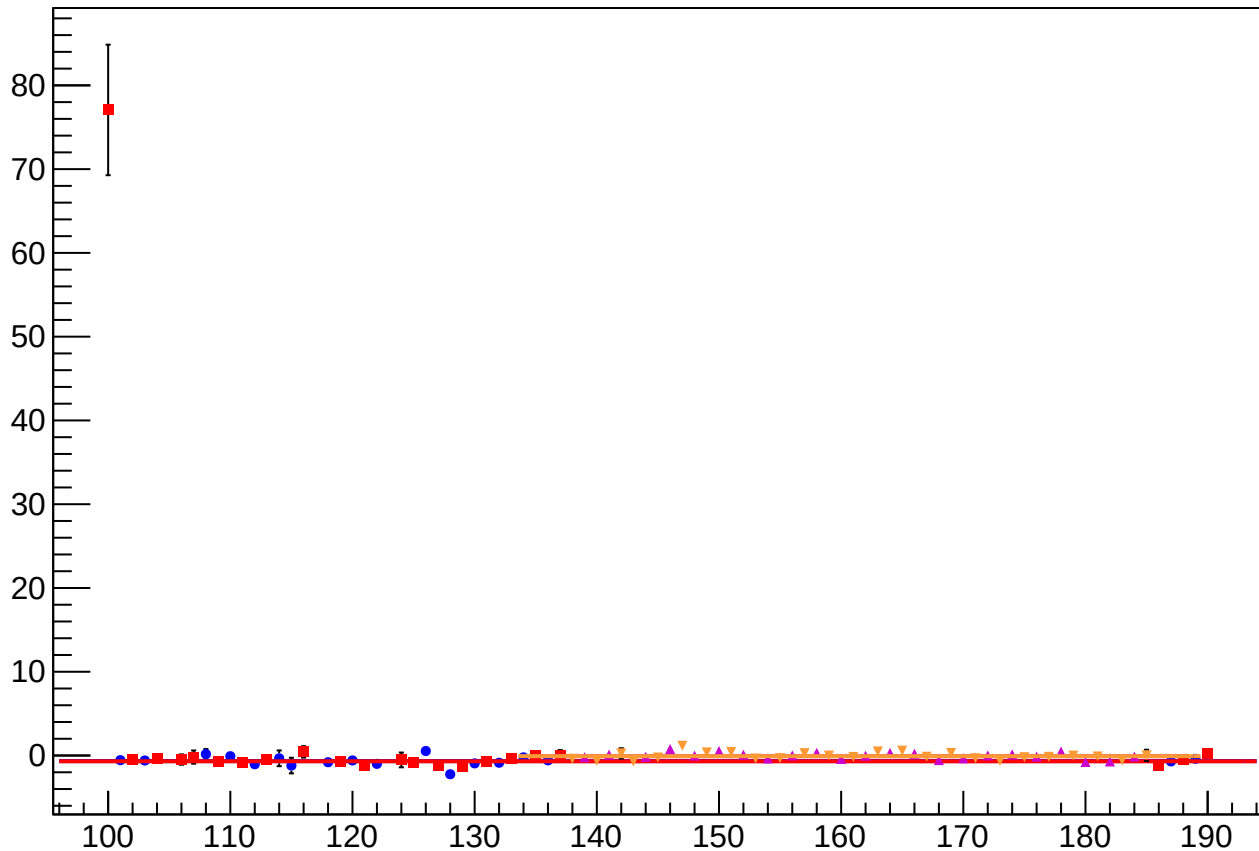
Left In: -0.216 ± 0.062 χ^2/NDF : 53.6/22

+ sign -0.137 ± 0.051 χ^2/NDF : 61.4/42

All: -0.183 ± 0.036 χ^2/NDF : 142.2/87

- sign -0.229 ± 0.051 χ^2/NDF : 79.2/44

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.667 ± 0.100 χ^2/NDF : 26.1/17

Left Out: -0.077 ± 0.077 χ^2/NDF : 30.0/24

Right Out: -0.687 ± 0.076 χ^2/NDF : 126.3/21

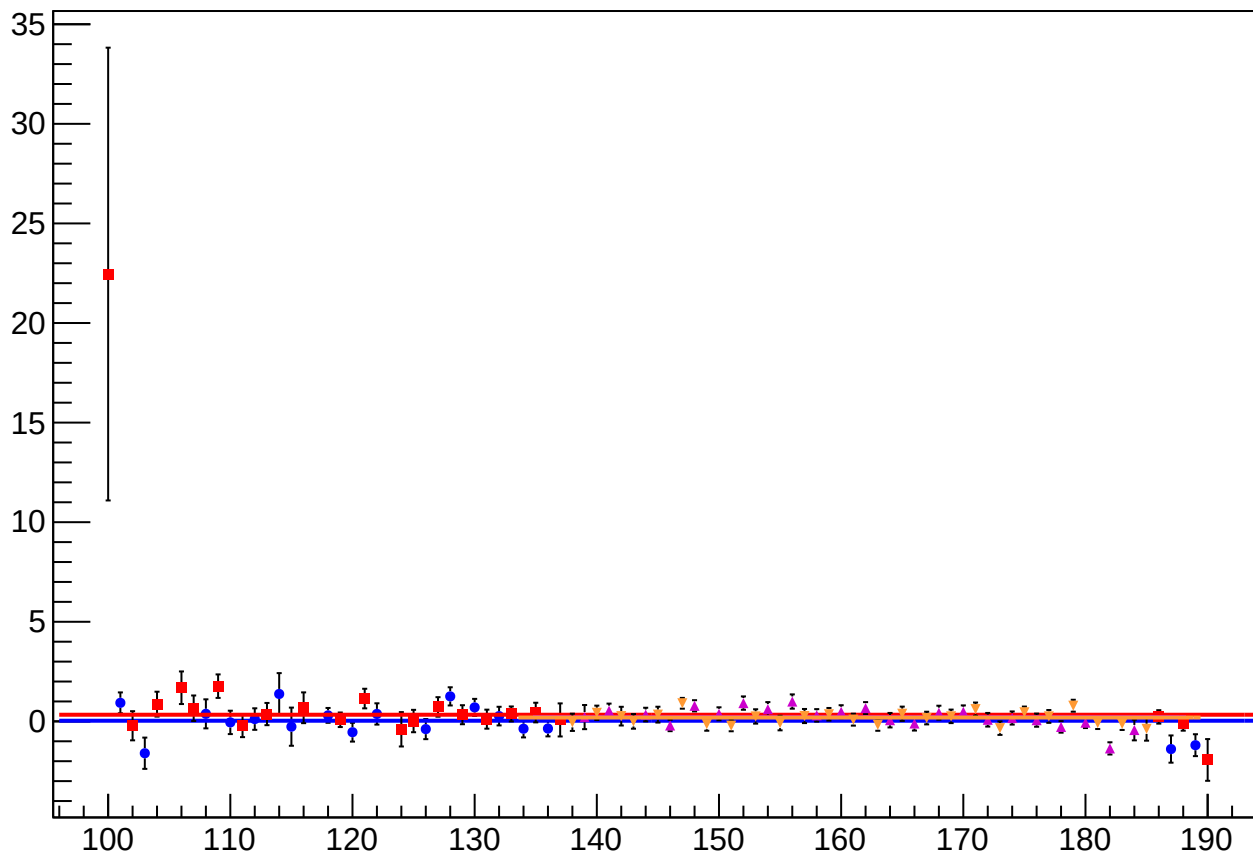
Left In: -0.075 ± 0.079 χ^2/NDF : 28.3/22

+ sign -0.295 ± 0.061 χ^2/NDF : 77.9/42

All: -0.350 ± 0.041 χ^2/NDF : 265.5/87

- sign -0.394 ± 0.054 χ^2/NDF : 186.2/44

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.032 ± 0.123 $\chi^2/\text{NDF}: 33.4/17$

Left Out: 0.193 ± 0.067 $\chi^2/\text{NDF}: 25.9/24$

Right Out: 0.333 ± 0.112 $\chi^2/\text{NDF}: 27.0/21$

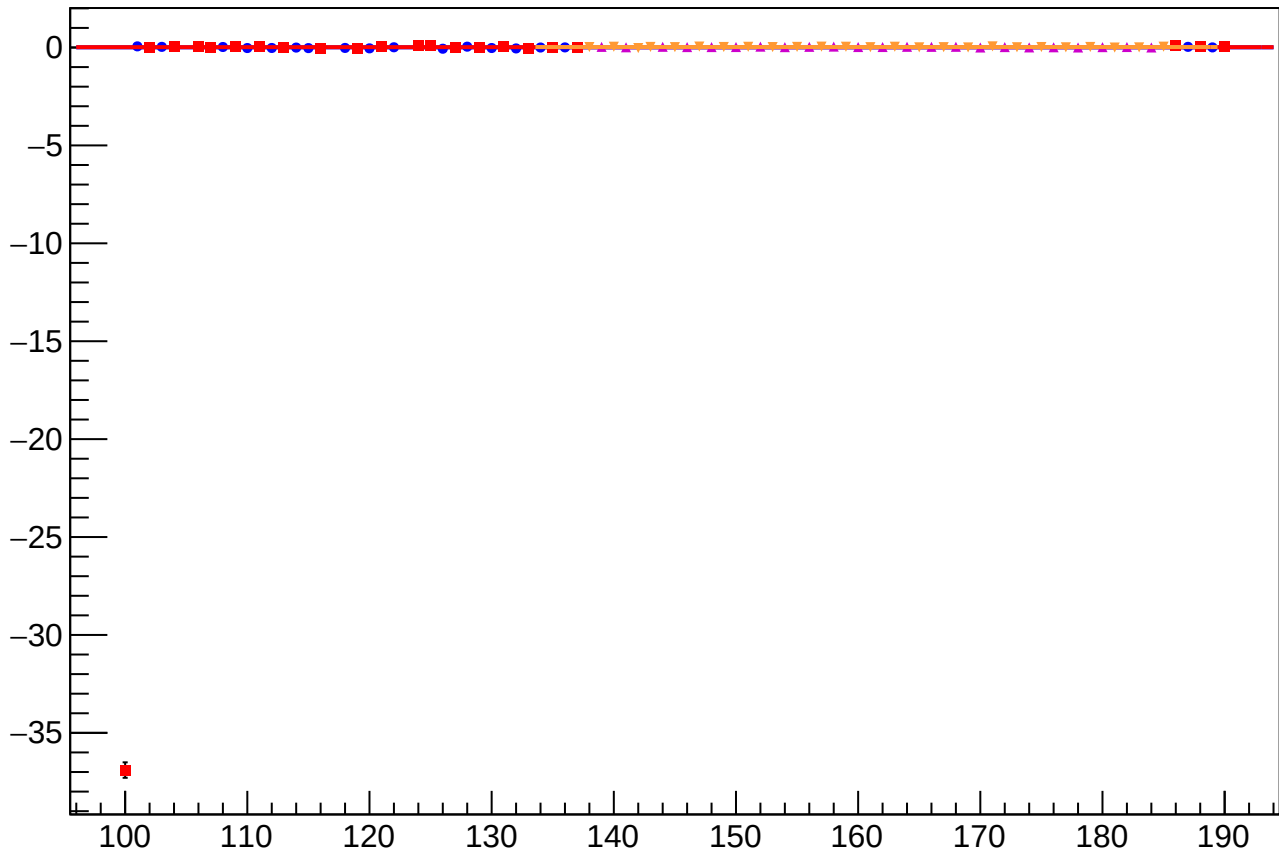
Left In: 0.215 ± 0.069 $\chi^2/\text{NDF}: 55.1/22$

+ sign 0.156 ± 0.059 $\chi^2/\text{NDF}: 60.6/42$

All: 0.202 ± 0.042 $\chi^2/\text{NDF}: 144.7/87$

- sign 0.247 ± 0.059 $\chi^2/\text{NDF}: 82.9/44$

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.007 $\pm$ 0.007 χ^2 /NDF: 18.1/17

Left Out: 0.024 $\pm$ 0.003 χ^2 /NDF:30.2/24

Right Out: 0.017 $\pm$ 0.006 χ^2 /NDF: 8774.5/21

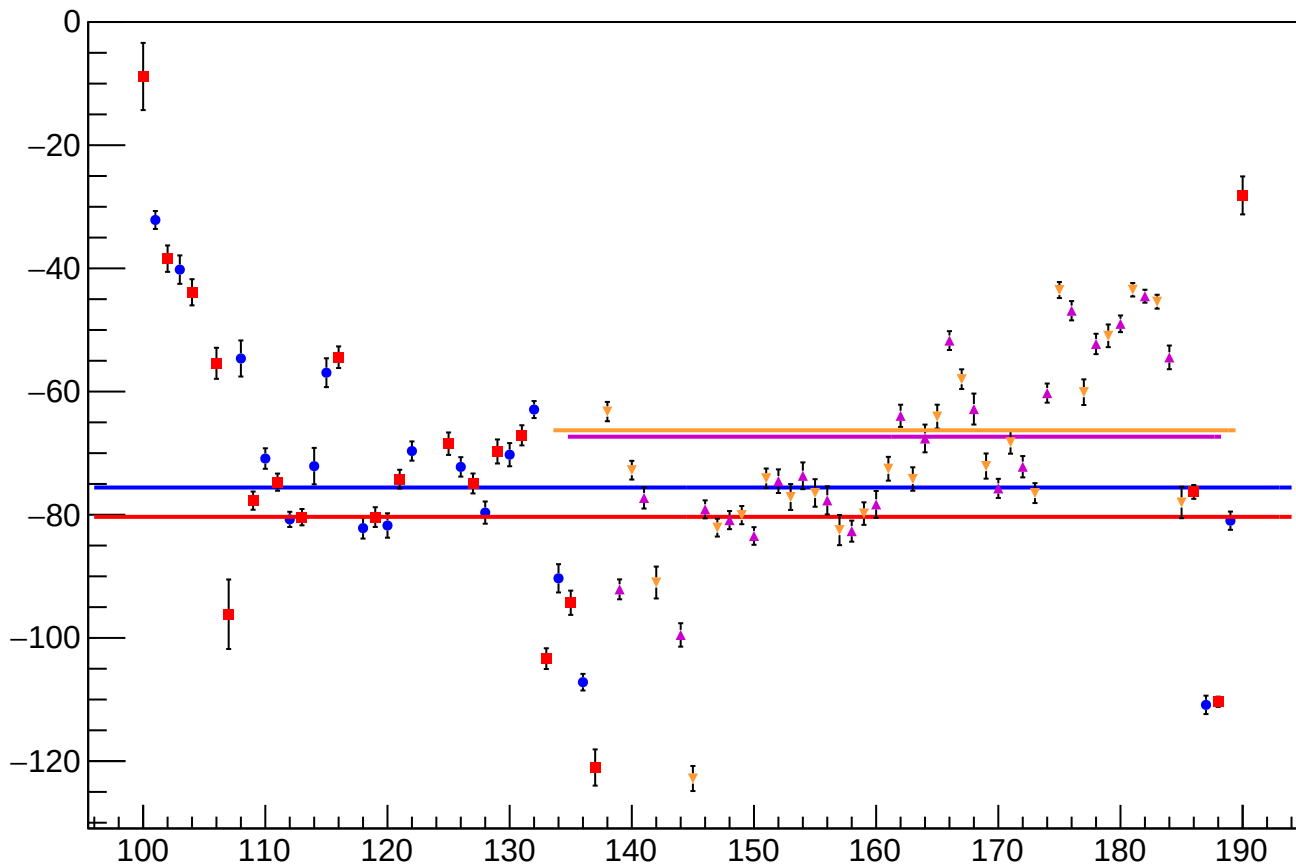
Left In: 0.024 $\pm$ 0.003 χ^2 /NDF:18.0/22

+ sign 0.021 $\pm$ 0.003 χ^2 /NDF: 53.4/42

All: 0.022 $\pm$ 0.002 χ^2 /NDF: 8846.9/87

- sign 0.023 $\pm$ 0.003 χ^2 /NDF: 8793.4/44

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -75.578 ± 0.400 χ^2/NDF : 2568.6/17

Left Out: -66.289 ± 0.344 χ^2/NDF : 2550.4/23

Right Out: -80.342 ± 0.359 χ^2/NDF : 3401.5/20

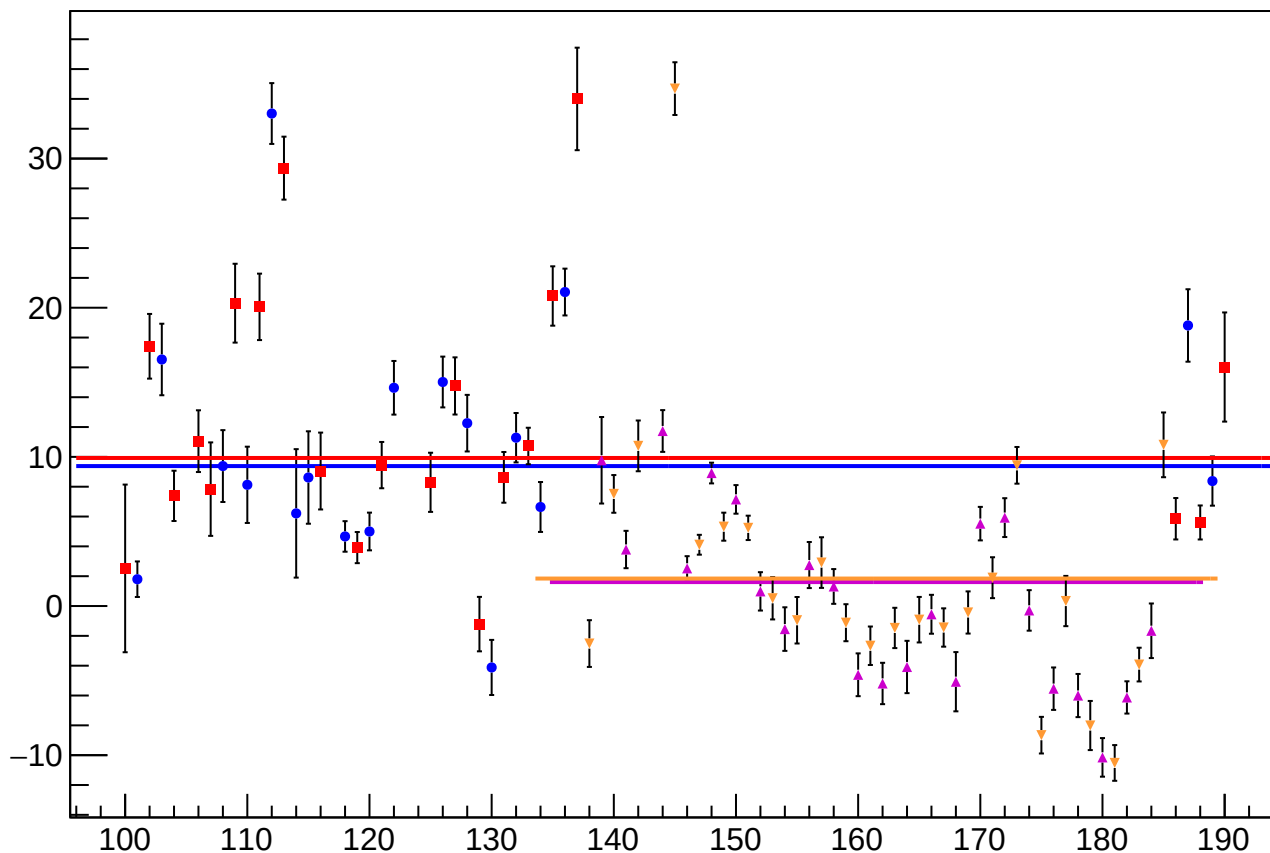
Left In: -67.331 ± 0.345 χ^2/NDF : 2102.6/22

+ sign -70.240 ± 0.261 χ^2/NDF : 5429.5/41

All: -71.986 ± 0.180 χ^2/NDF : 11701.7/85

- sign -73.578 ± 0.249 χ^2/NDF : 6186.4/43

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.383 ± 0.406 $\chi^2/\text{NDF}: 367.8/17$

Left Out: 1.842 ± 0.254 $\chi^2/\text{NDF}: 781.5/23$

Right Out: 9.927 ± 0.391 $\chi^2/\text{NDF}: 320.8/20$

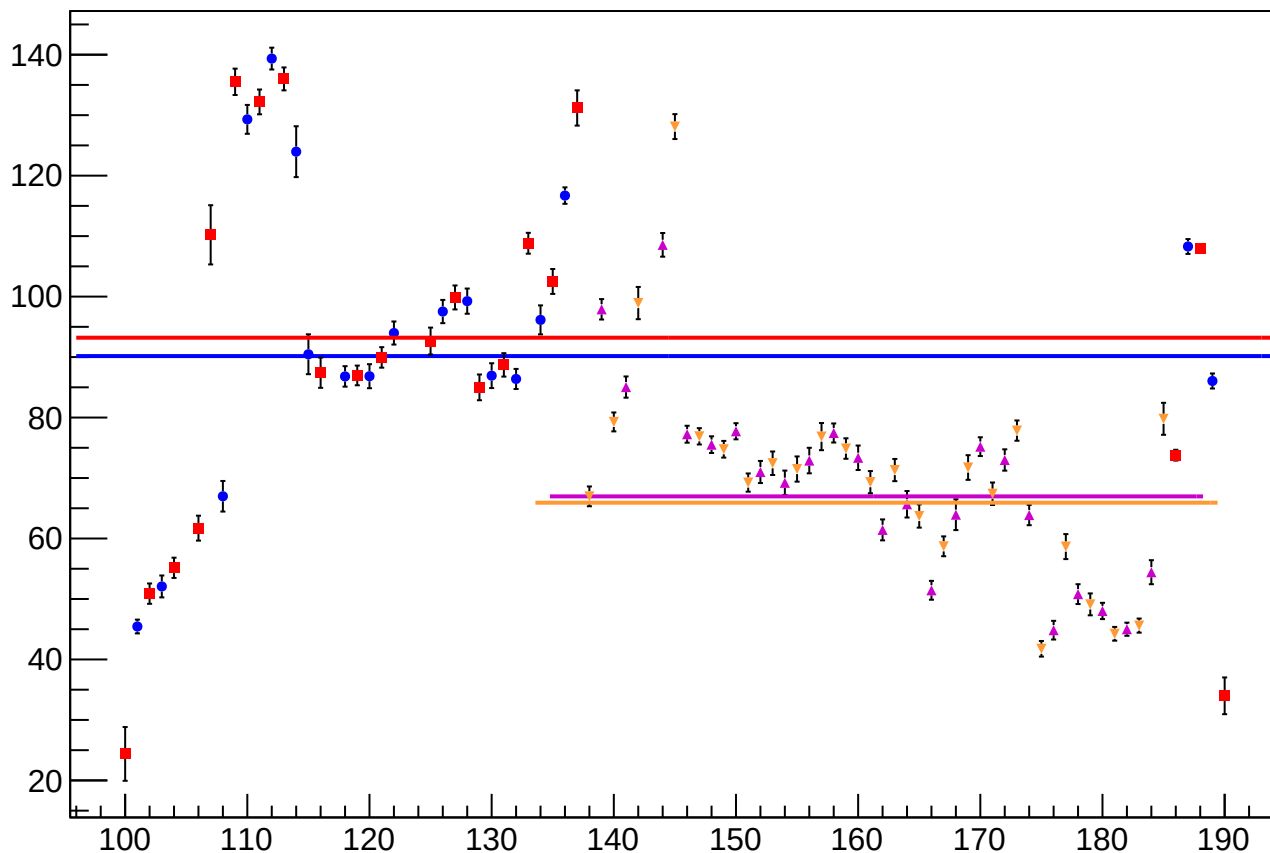
Left In: 1.605 ± 0.258 $\chi^2/\text{NDF}: 496.6/22$

+ sign 3.970 ± 0.216 $\chi^2/\text{NDF}: 1397.1/41$

All: 4.050 ± 0.152 $\chi^2/\text{NDF}: 2529.4/85$

- sign 4.130 ± 0.216 $\chi^2/\text{NDF}: 1132.0/43$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 90.164 $\pm$ 0.413 χ^2 /NDF: 3809.6/17

Left Out: 65.923 $\pm$ 0.341 χ^2 /NDF:2555.6/23

Right Out: 93.205 $\pm$ 0.356 χ^2 /NDF: 4554.1/20

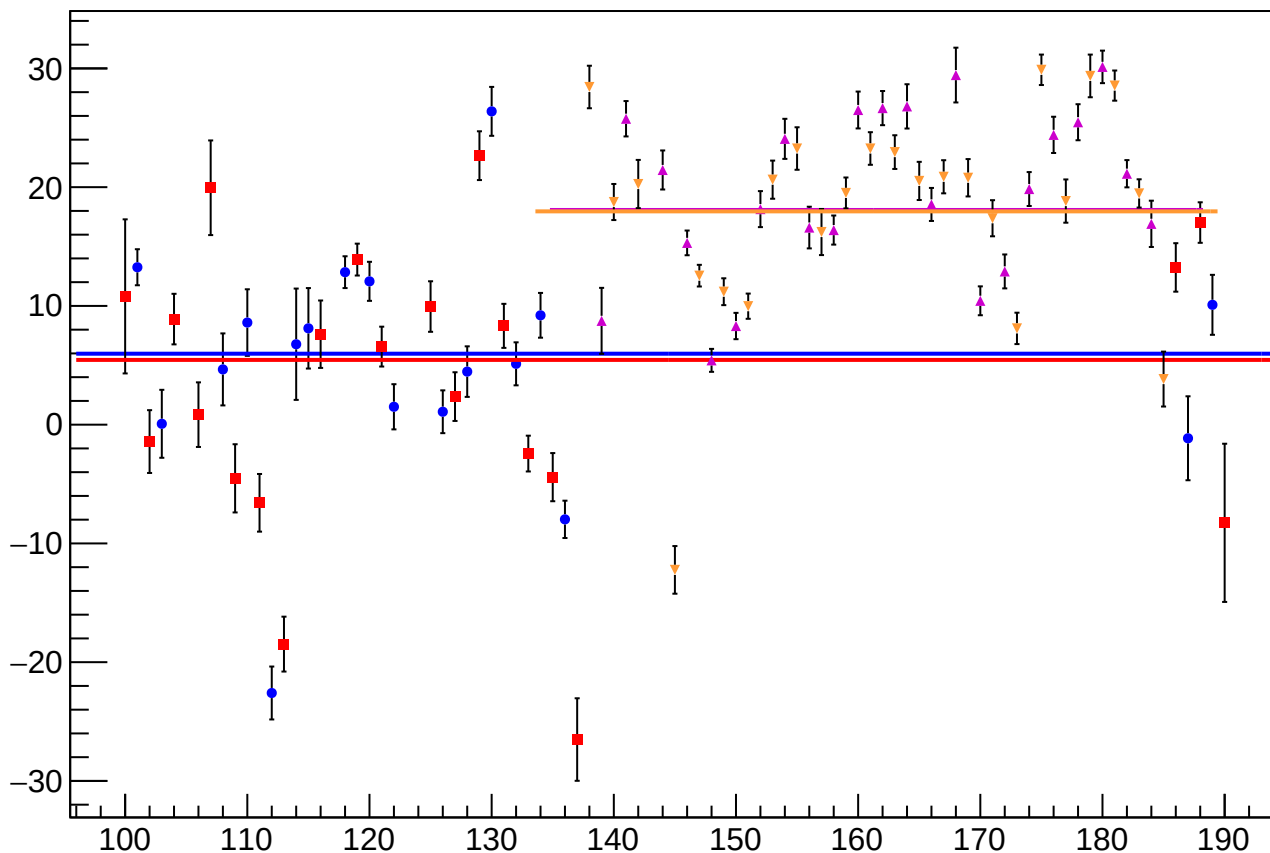
Left In: 66.964 $\pm$ 0.341 χ^2 /NDF:2221.3/22

+ sign 75.733 $\pm$ 0.263 χ^2 /NDF: 8416.2/41

All: 77.758 $\pm$ 0.180 χ^2 /NDF: 18136.9/85

- sign 79.536 $\pm$ 0.246 χ^2 /NDF: 9609.1/43

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.976 ± 0.481 $\chi^2/\text{NDF}: 433.5/17$

Left Out: 17.963 ± 0.292 $\chi^2/\text{NDF}: 732.1/23$

Right Out: 5.454 ± 0.474 $\chi^2/\text{NDF}: 490.4/20$

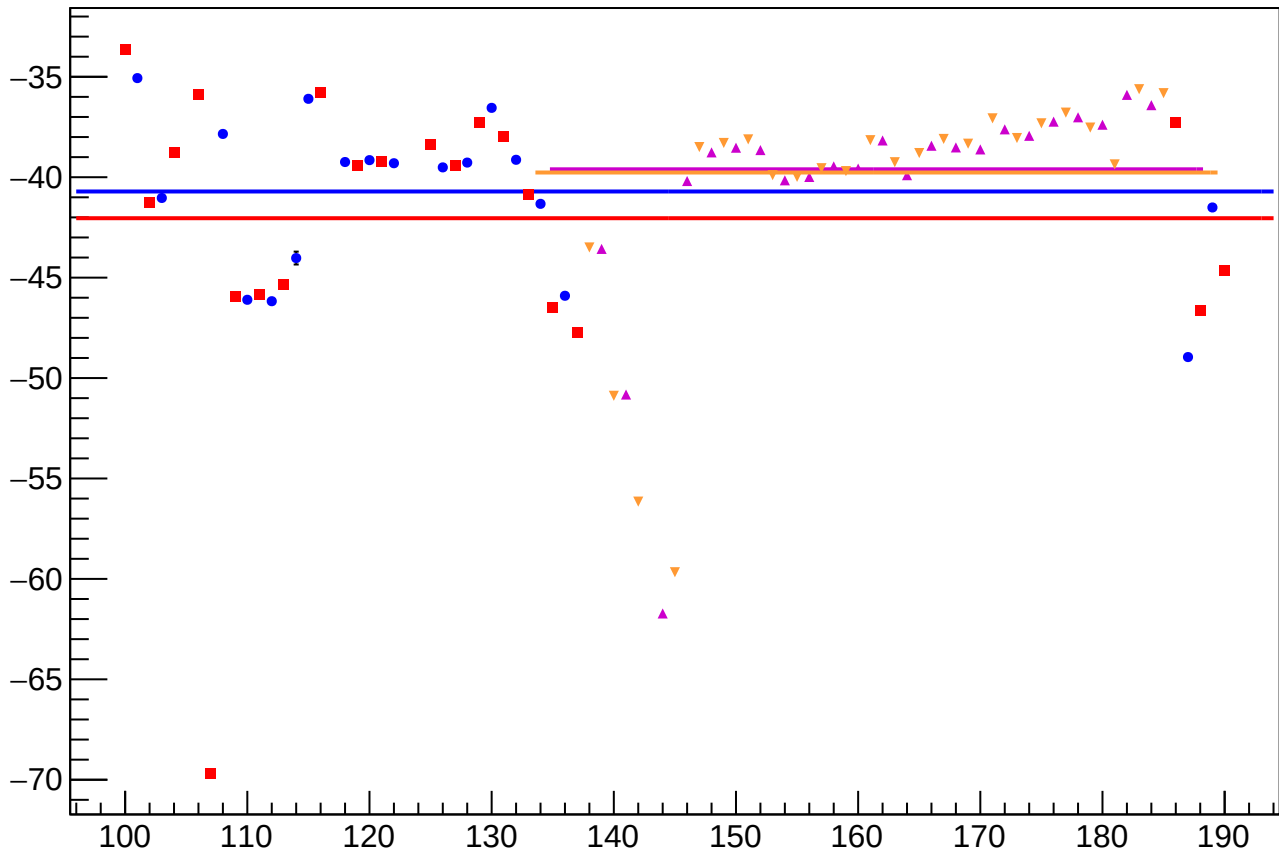
Left In: 18.079 ± 0.295 $\chi^2/\text{NDF}: 605.0/22$

+ sign 14.735 ± 0.250 $\chi^2/\text{NDF}: 1619.5/41$

All: 14.645 ± 0.177 $\chi^2/\text{NDF}: 3227.2/85$

- sign 14.554 ± 0.250 $\chi^2/\text{NDF}: 1607.5/43$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.710 ± 0.027 $\chi^2/\text{NDF}: 19985.4/17$

Left Out: -39.765 ± 0.013 $\chi^2/\text{NDF}: 129895.4/23$

Right Out: -42.041 ± 0.027 $\chi^2/\text{NDF}: 40861.4/20$

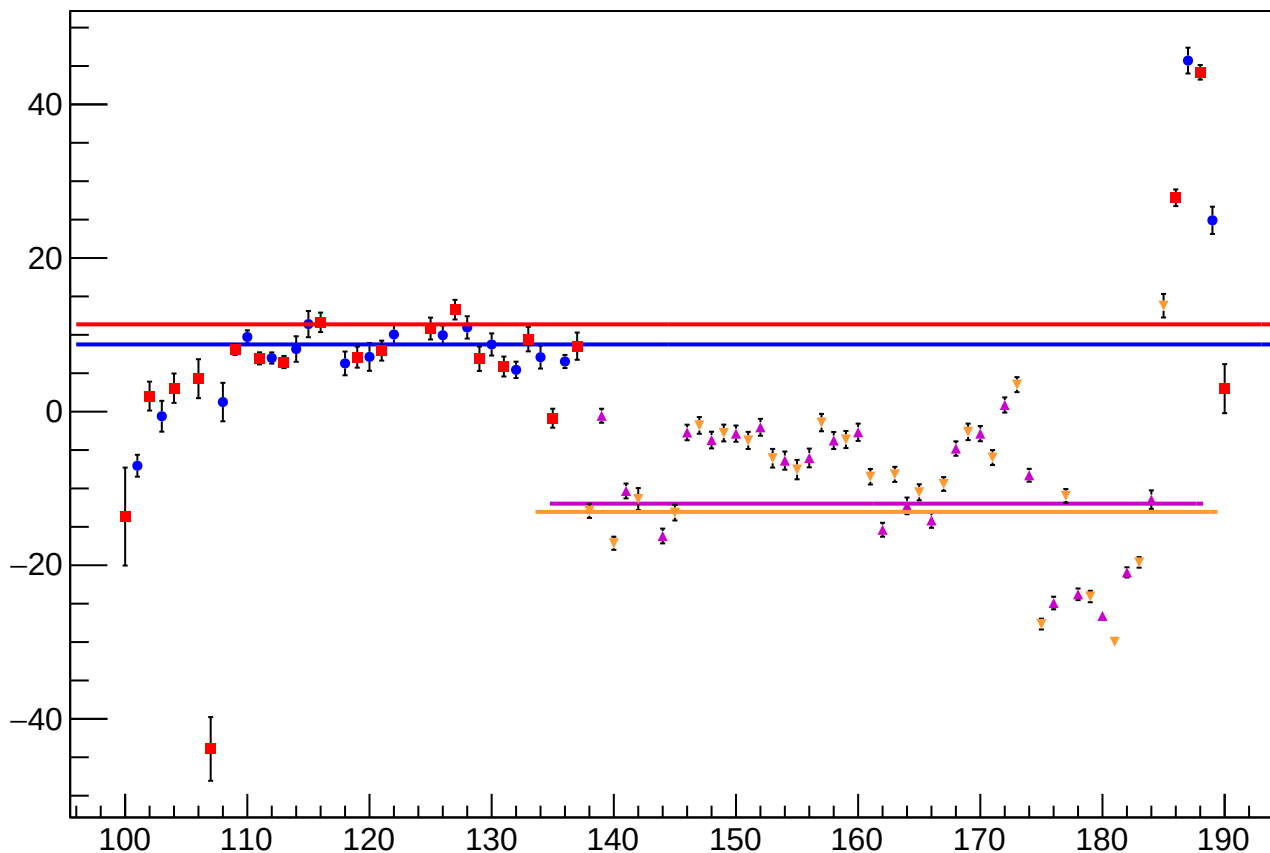
Left In: -39.606 ± 0.013 $\chi^2/\text{NDF}: 106639.2/22$

+ sign -39.951 ± 0.012 $\chi^2/\text{NDF}: 150849.6/41$

All: -40.018 ± 0.009 $\chi^2/\text{NDF}: 304912.2/85$

- sign -40.084 ± 0.012 $\chi^2/\text{NDF}: 154001.9/43$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.752 ± 0.300 χ^2/NDF : 753.8/17

Left Out: -13.054 ± 0.193 χ^2/NDF : 2868.1/23

Right Out: 11.364 ± 0.274 χ^2/NDF : 1911.8/20

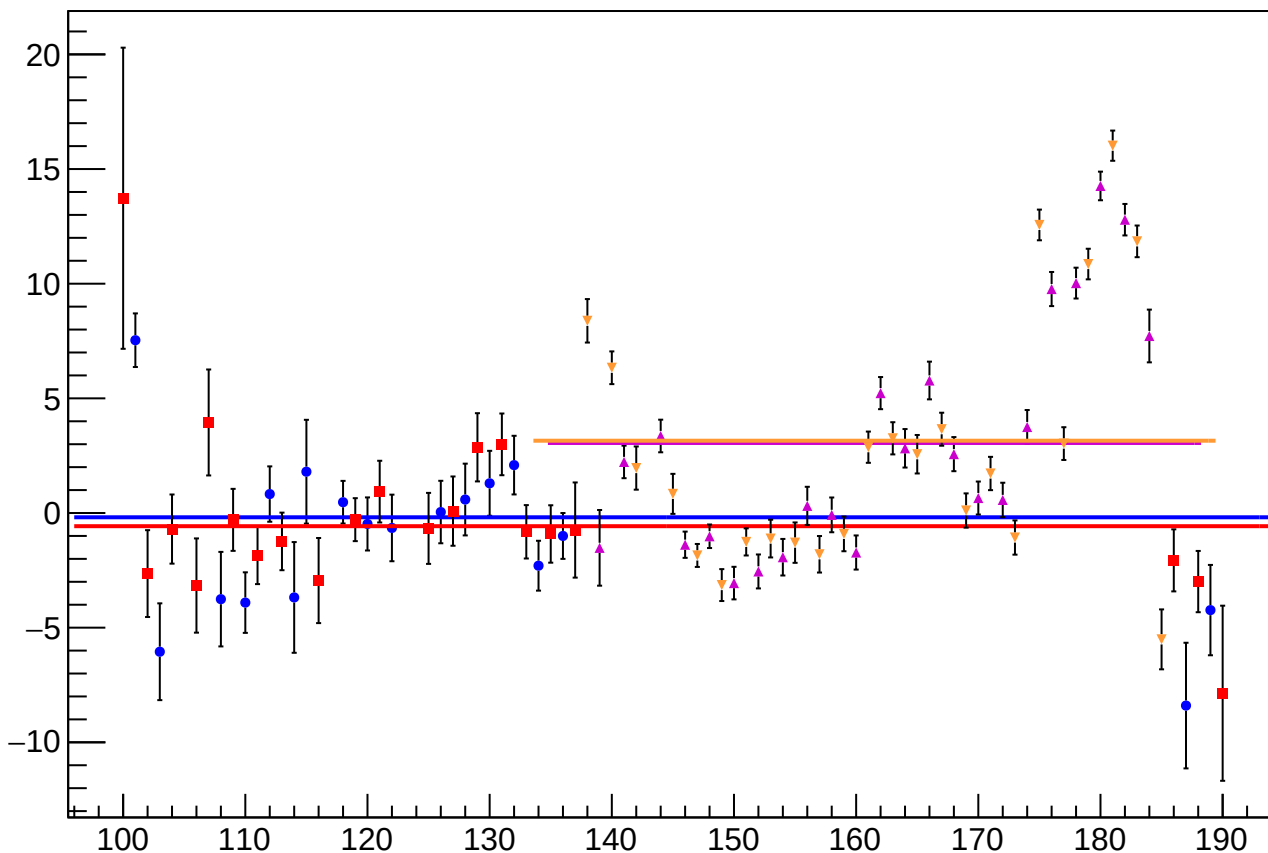
Left In: -11.978 ± 0.195 χ^2/NDF : 2176.6/22

+ sign -6.675 ± 0.162 χ^2/NDF : 7365.2/41

All: -5.370 ± 0.114 χ^2/NDF : 16385.0/85

- sign -4.113 ± 0.159 χ^2/NDF : 8892.7/43

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.187 ± 0.325 χ^2/NDF : 88.7/17

Left Out: 3.153 ± 0.149 χ^2/NDF : 1385.1/23

Right Out: -0.575 ± 0.323 χ^2/NDF : 36.5/20

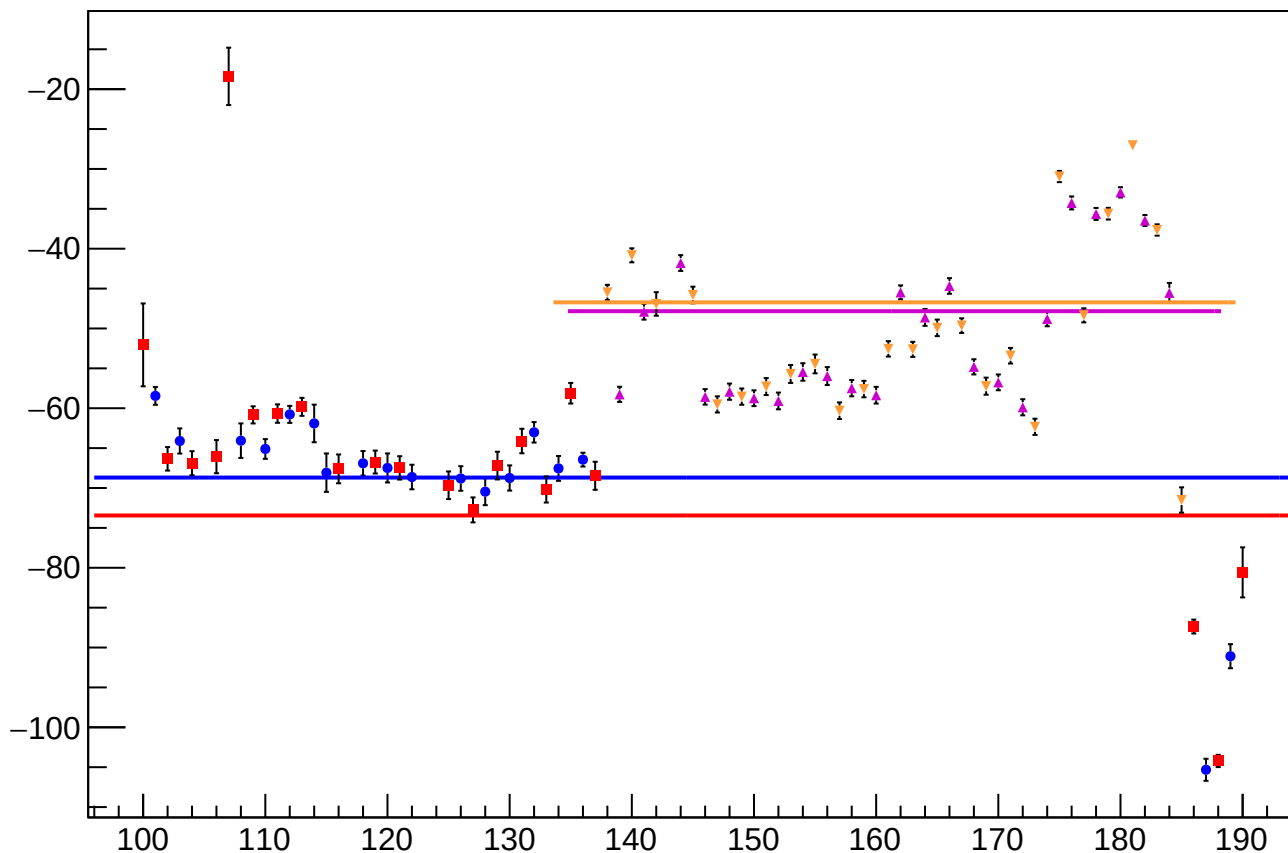
Left In: 3.055 ± 0.152 χ^2/NDF : 1145.0/22

+ sign 2.571 ± 0.136 χ^2/NDF : 1561.2/41

All: 2.484 ± 0.097 χ^2/NDF : 2847.1/85

- sign 2.396 ± 0.137 χ^2/NDF : 1285.1/43

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -68.692 ± 0.334 $\chi^2/\text{NDF}: 1122.6/17$

Left Out: -46.724 ± 0.192 $\chi^2/\text{NDF}: 3446.1/23$

Right Out: -73.444 ± 0.304 $\chi^2/\text{NDF}: 2841.9/20$

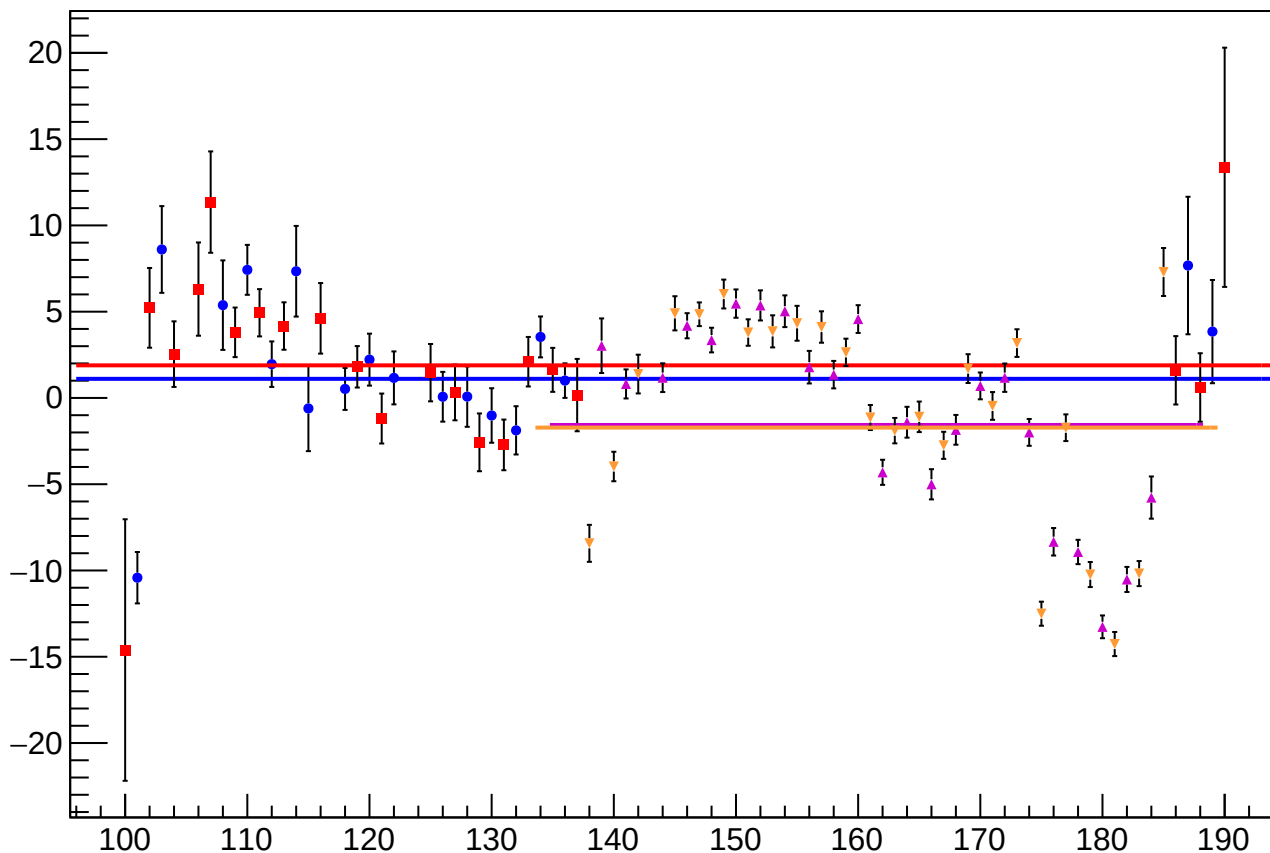
Left In: -47.835 ± 0.194 $\chi^2/\text{NDF}: 2557.6/22$

+ sign -52.152 ± 0.166 $\chi^2/\text{NDF}: 7818.5/41$

All: -53.720 ± 0.117 $\chi^2/\text{NDF}: 18437.5/85$

- sign -55.237 ± 0.163 $\chi^2/\text{NDF}: 10443.8/43$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.108 ± 0.371 χ^2/NDF : 112.9/17

Left Out: -1.718 ± 0.168 χ^2/NDF : 1406.1/23

Right Out: 1.890 ± 0.375 χ^2/NDF : 57.7/20

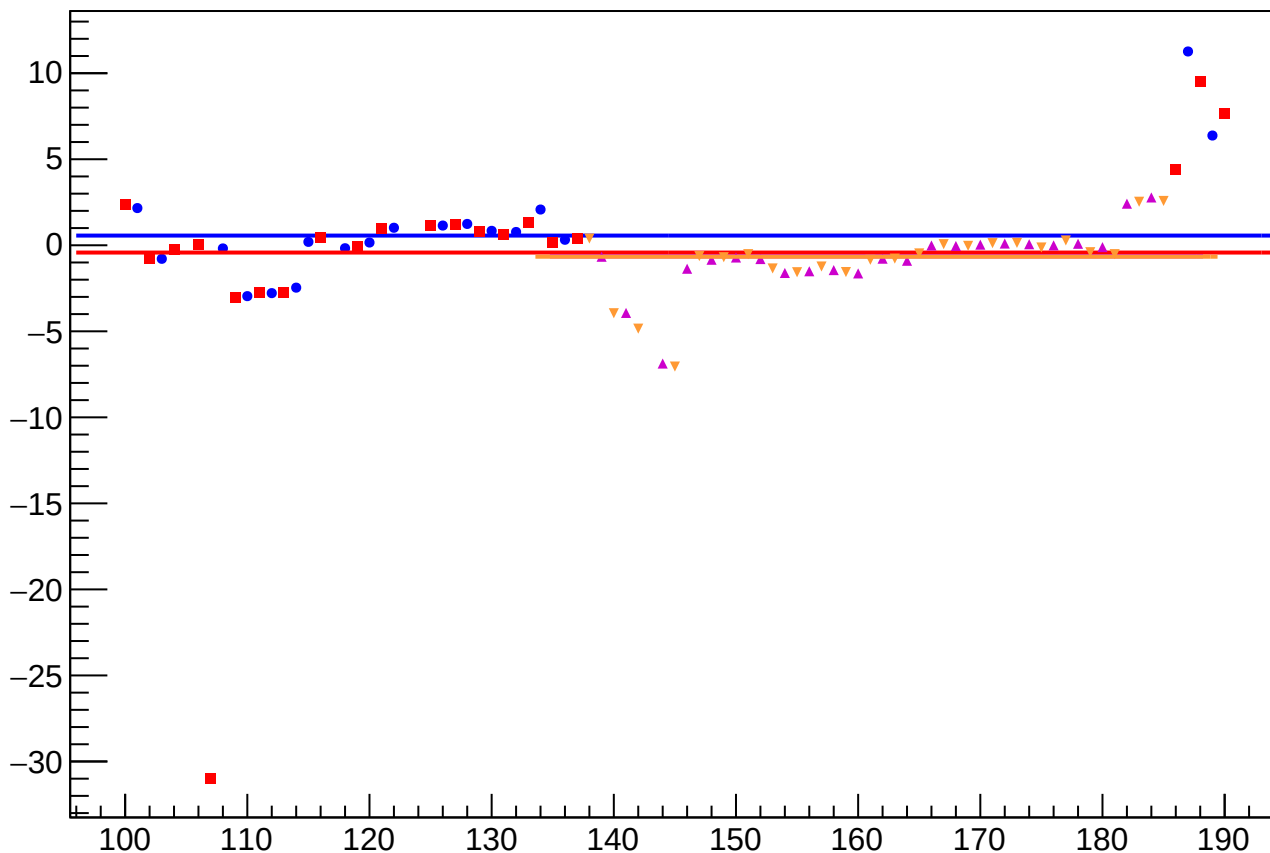
Left In: -1.567 ± 0.171 χ^2/NDF : 1117.7/22

+ sign -1.238 ± 0.153 χ^2/NDF : 1567.1/41

All: -1.108 ± 0.109 χ^2/NDF : 2814.4/85

- sign -0.974 ± 0.155 χ^2/NDF : 1245.8/43

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.564 ± 0.021 χ^2/NDF : 9380.7/17

Left Out: -0.666 ± 0.008 χ^2/NDF : 55276.7/23

Right Out: -0.423 ± 0.021 χ^2/NDF : 59910.5/20

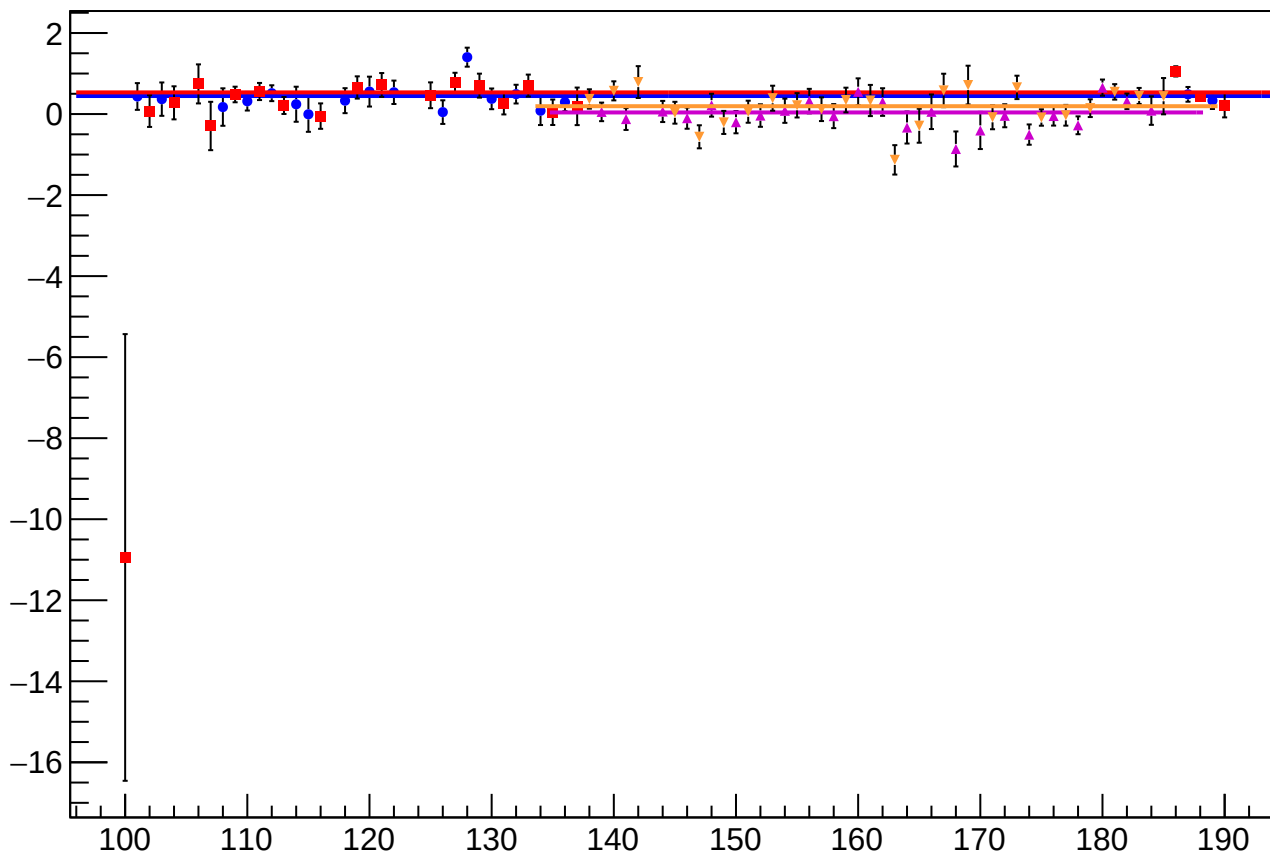
Left In: -0.646 ± 0.008 χ^2/NDF : 45569.5/22

+ sign -0.523 ± 0.007 χ^2/NDF : 67773.2/41

All: -0.572 ± 0.005 χ^2/NDF : 173447.5/85

- sign -0.621 ± 0.007 χ^2/NDF : 105577.4/43

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.445 $\pm$ 0.063 χ^2 /NDF: 23.0/17

Left Out: 0.194 $\pm$ 0.057 χ^2 /NDF: 44.2/23

Right Out: 0.535 $\pm$ 0.052 χ^2 /NDF: 39.3/20

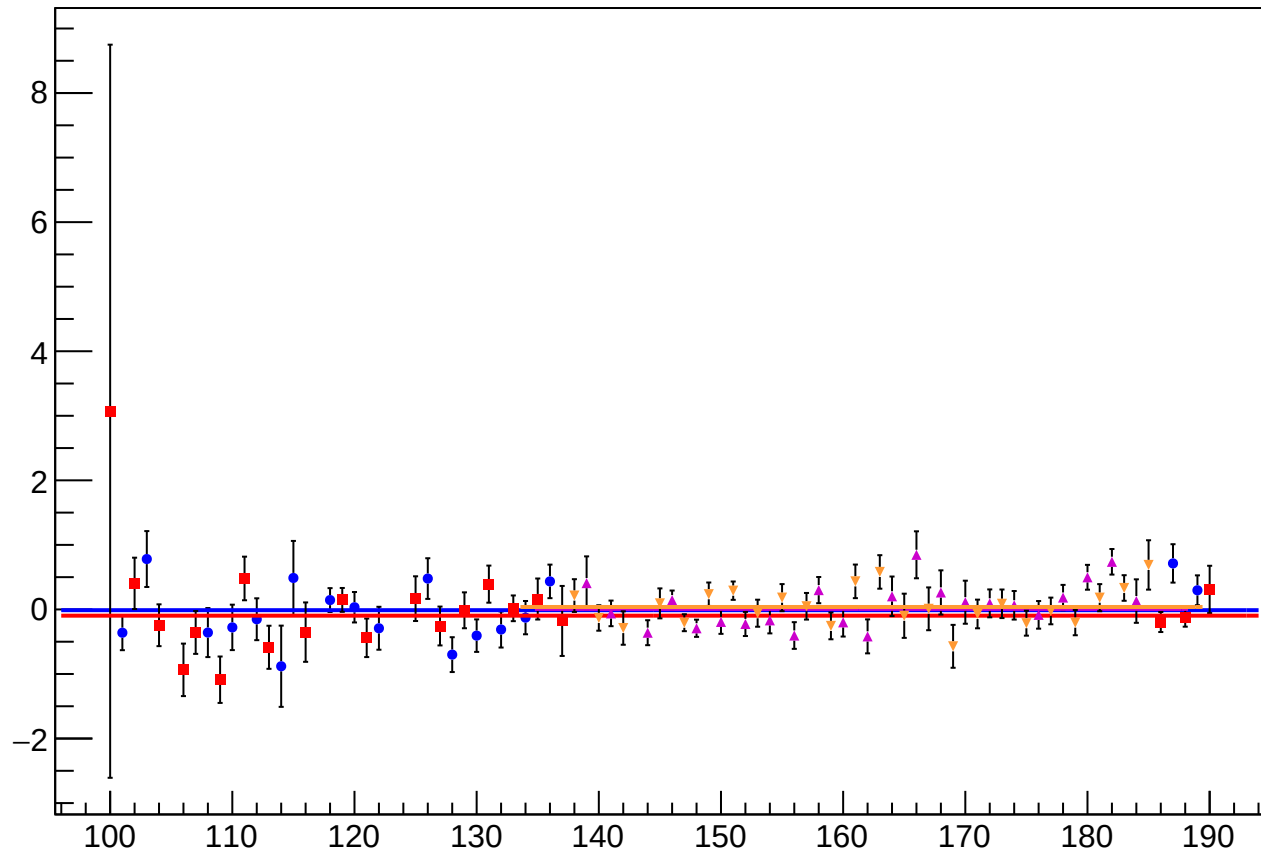
Left In: 0.039 $\pm$ 0.058 χ^2 /NDF: 30.5/22

+ sign 0.306 $\pm$ 0.042 χ^2 /NDF: 75.9/41

All: 0.310 $\pm$ 0.028 χ^2 /NDF: 186.6/85

- sign 0.313 $\pm$ 0.039 χ^2 /NDF: 110.6/43

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.012 ± 0.068 χ^2/NDF : 34.1/17

Left Out: 0.038 ± 0.043 χ^2/NDF : 32.8/23

Right Out: -0.096 ± 0.060 χ^2/NDF : 29.6/20

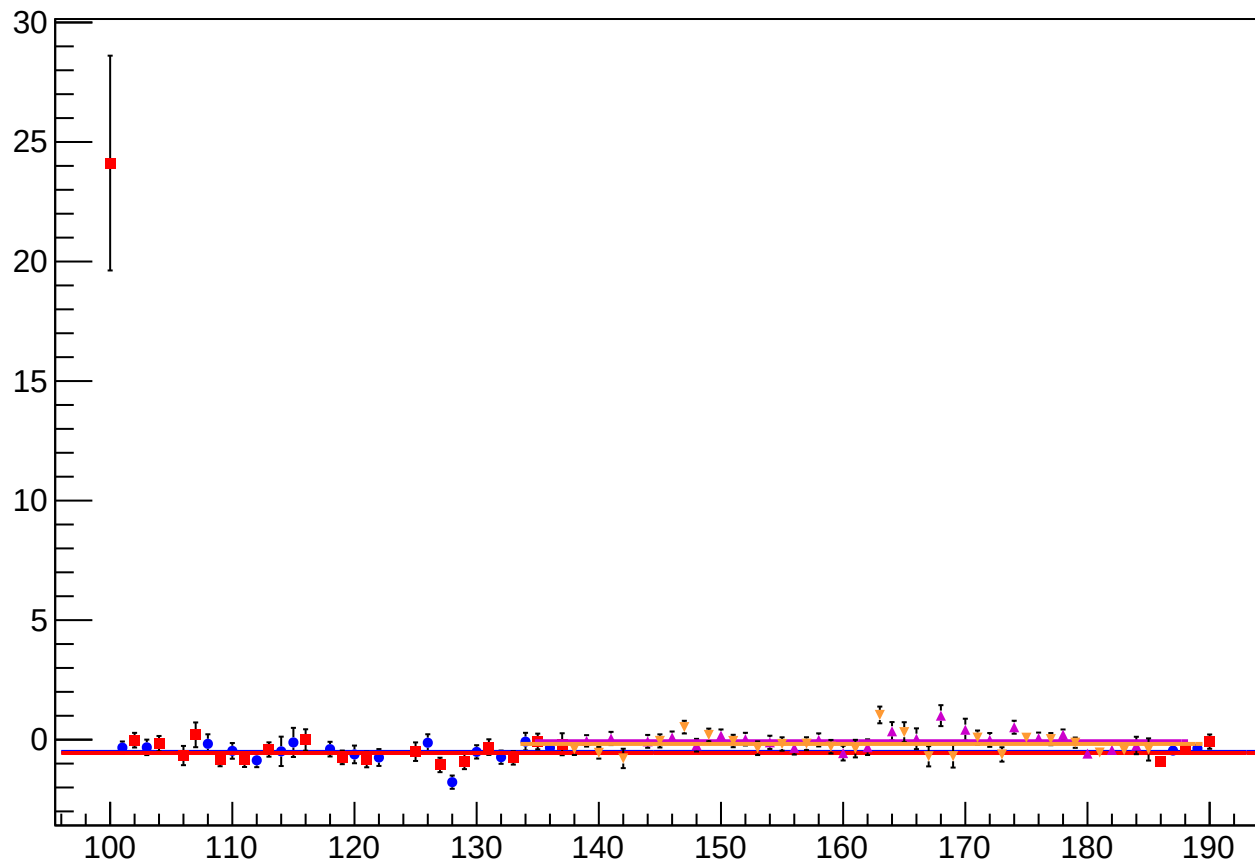
Left In: 0.008 ± 0.044 χ^2/NDF : 51.4/22

+ sign 0.024 ± 0.036 χ^2/NDF : 67.3/41

All: -0.003 ± 0.025 χ^2/NDF : 151.3/85

- sign -0.029 ± 0.036 χ^2/NDF : 82.9/43

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.512 ± 0.065 χ^2/NDF : 29.5/17

Left Out: -0.178 ± 0.056 χ^2/NDF : 42.1/23

Right Out: -0.557 ± 0.050 χ^2/NDF : 67.0/20

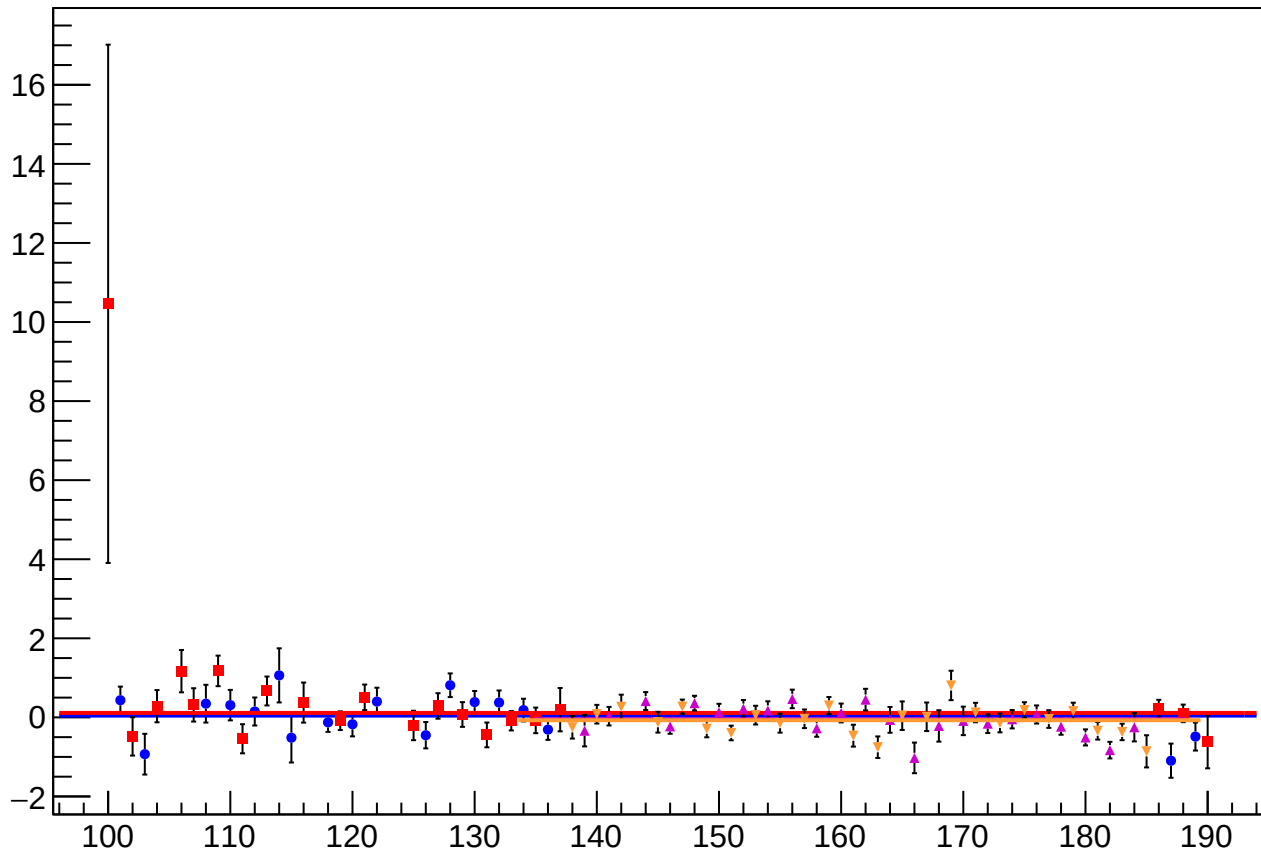
Left In: -0.066 ± 0.057 χ^2/NDF : 31.4/22

+ sign -0.320 ± 0.043 χ^2/NDF : 86.7/41

All: -0.334 ± 0.028 χ^2/NDF : 227.5/85

- sign -0.345 ± 0.037 χ^2/NDF : 140.6/43

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.045 $\pm$ 0.080 χ^2 /NDF: 33.6/17

Left Out: -0.072 $\pm$ 0.049 χ^2 /NDF: 37.7/23

Right Out: 0.112 $\pm$ 0.074 χ^2 /NDF: 30.4/20

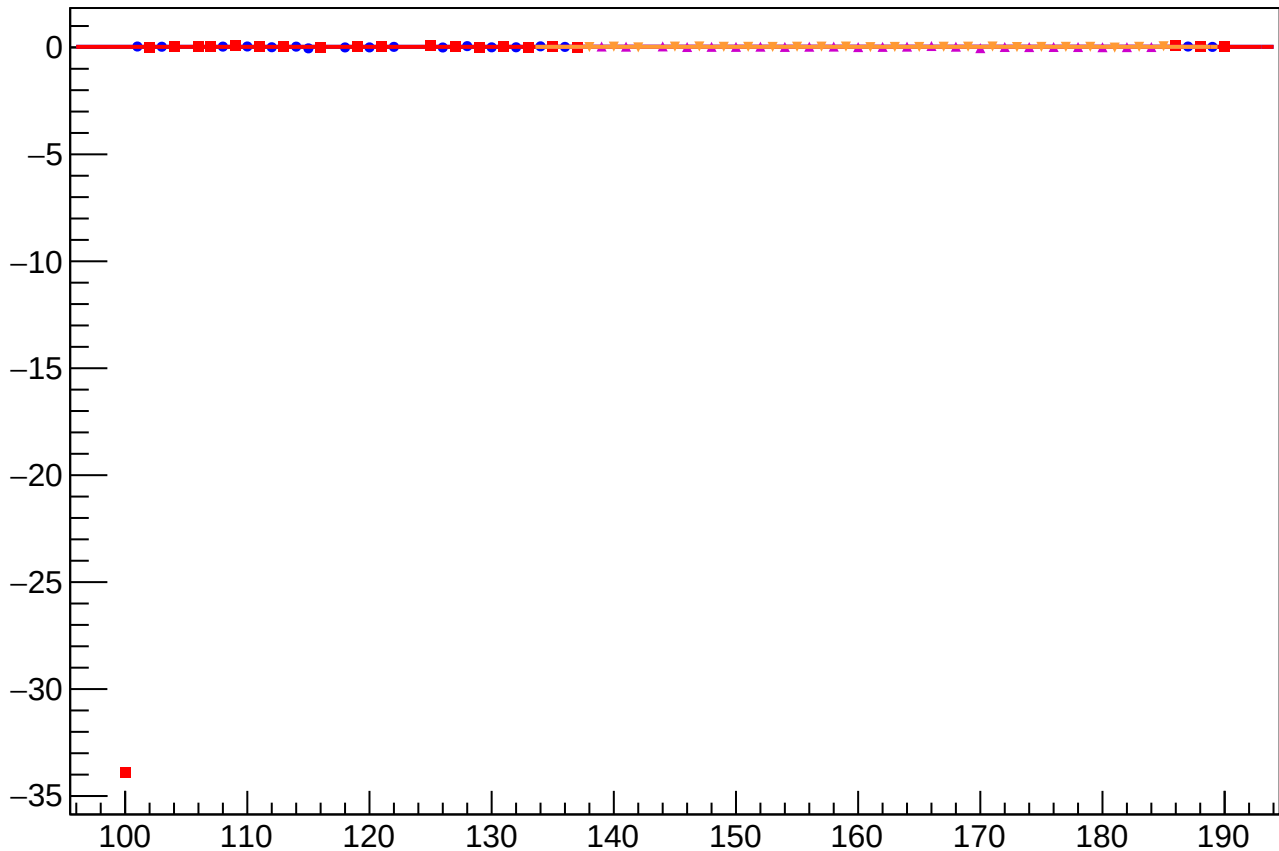
Left In: -0.047 $\pm$ 0.050 χ^2 /NDF: 50.5/22

+ sign -0.040 $\pm$ 0.042 χ^2 /NDF: 72.8/41

All: -0.018 $\pm$ 0.030 χ^2 /NDF: 157.4/85

- sign 0.003 $\pm$ 0.042 χ^2 /NDF: 84.0/43

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.028 $\pm$ 0.005 χ^2 /NDF: 15.0/17

Left Out: 0.026 $\pm$ 0.002 χ^2 /NDF:31.4/23

Right Out: 0.026 $\pm$ 0.004 χ^2 /NDF: 22304.0/20

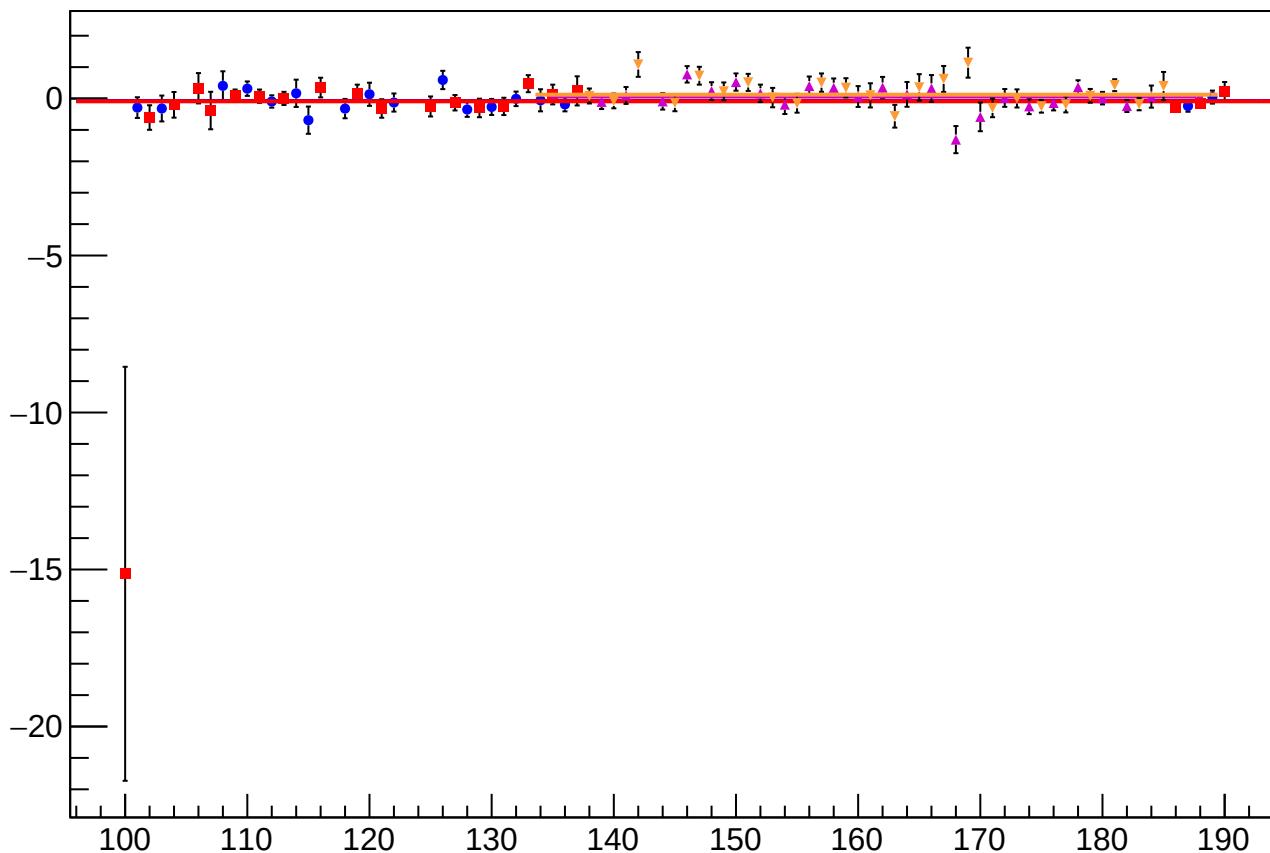
Left In: 0.026 $\pm$ 0.002 χ^2 /NDF:39.5/22

+ sign 0.027 $\pm$ 0.002 χ^2 /NDF: 46.5/41

All: 0.026 $\pm$ 0.001 χ^2 /NDF: 22390.0/85

- sign 0.026 $\pm$ 0.002 χ^2 /NDF: 22343.5/43

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.080 ± 0.063 χ^2/NDF : 16.7/17

Left Out: 0.122 ± 0.057 χ^2/NDF : 39.6/23

Right Out: -0.088 ± 0.052 χ^2/NDF : 23.8/20

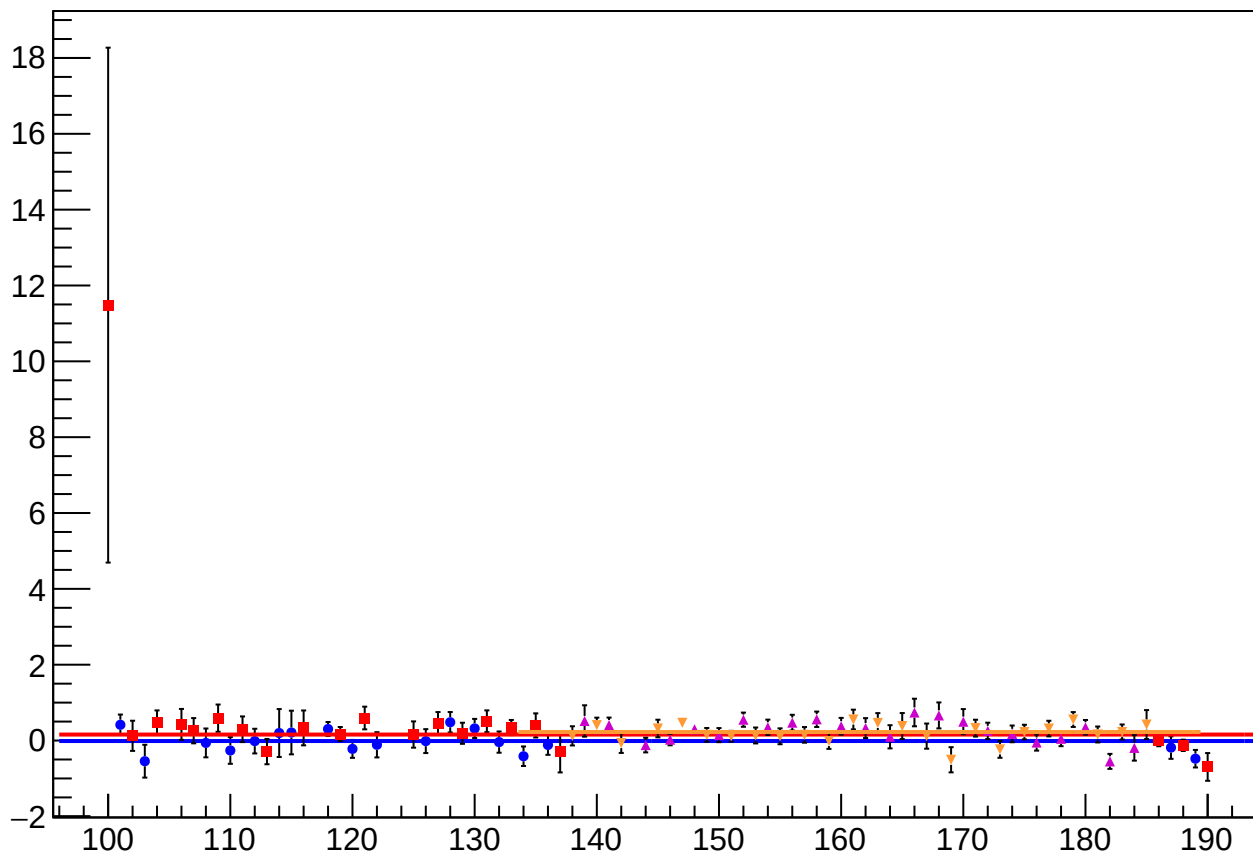
Left In: 0.063 ± 0.058 χ^2/NDF : 34.2/22

+ sign 0.032 ± 0.042 χ^2/NDF : 61.9/41

All: 0.003 ± 0.028 χ^2/NDF : 124.6/85

- sign -0.020 ± 0.039 χ^2/NDF : 61.8/43

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.068 χ^2/NDF : 20.7/17

Left Out: 0.225 ± 0.043 χ^2/NDF : 24.1/23

Right Out: 0.158 ± 0.060 χ^2/NDF : 24.6/20

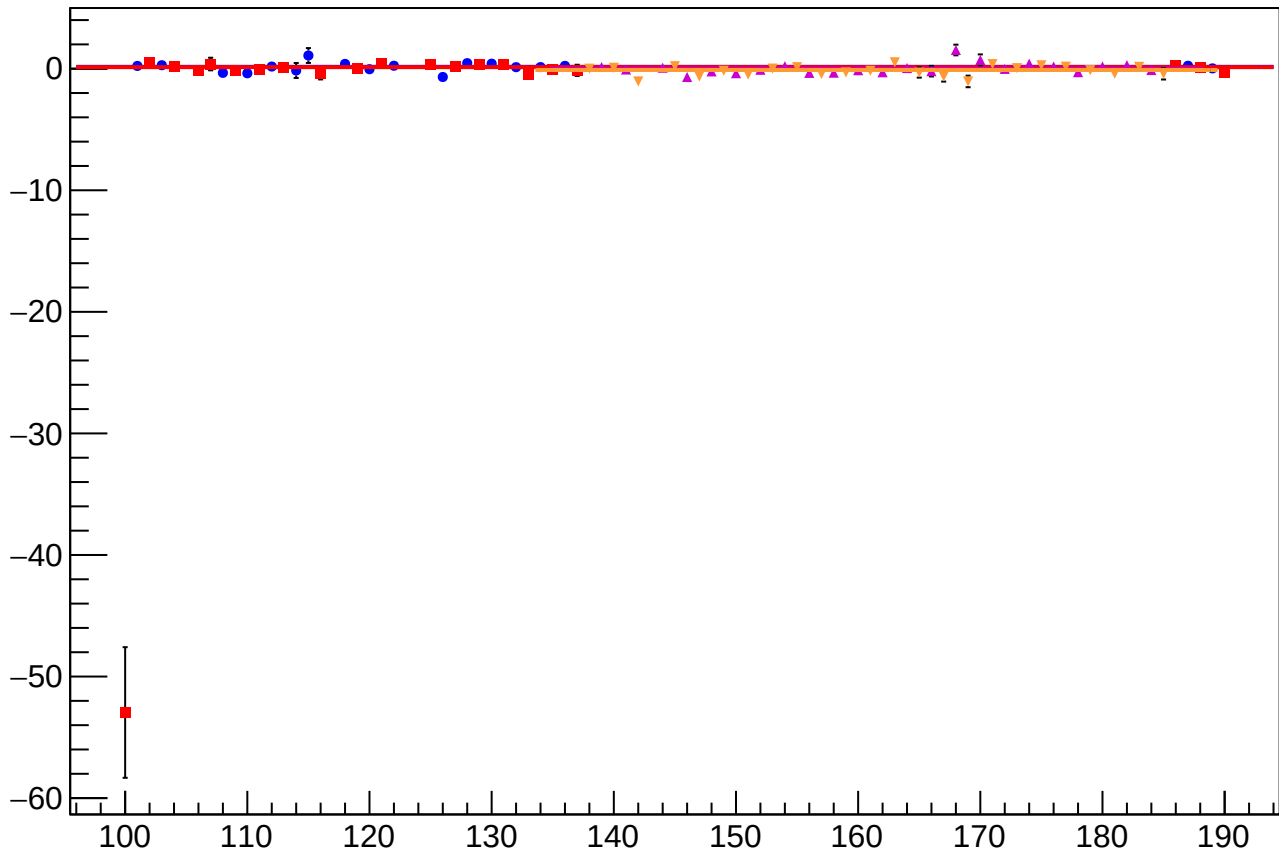
Left In: 0.221 ± 0.044 χ^2/NDF : 39.3/22

+ sign 0.156 ± 0.036 χ^2/NDF : 53.6/41

All: 0.178 ± 0.025 χ^2/NDF : 119.0/85

- sign 0.199 ± 0.036 χ^2/NDF : 64.7/43

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.153 ± 0.065 χ^2/NDF : 16.5/17

Left Out: -0.105 ± 0.056 χ^2/NDF : 37.6/23

Right Out: 0.129 ± 0.050 χ^2/NDF : 113.5/20

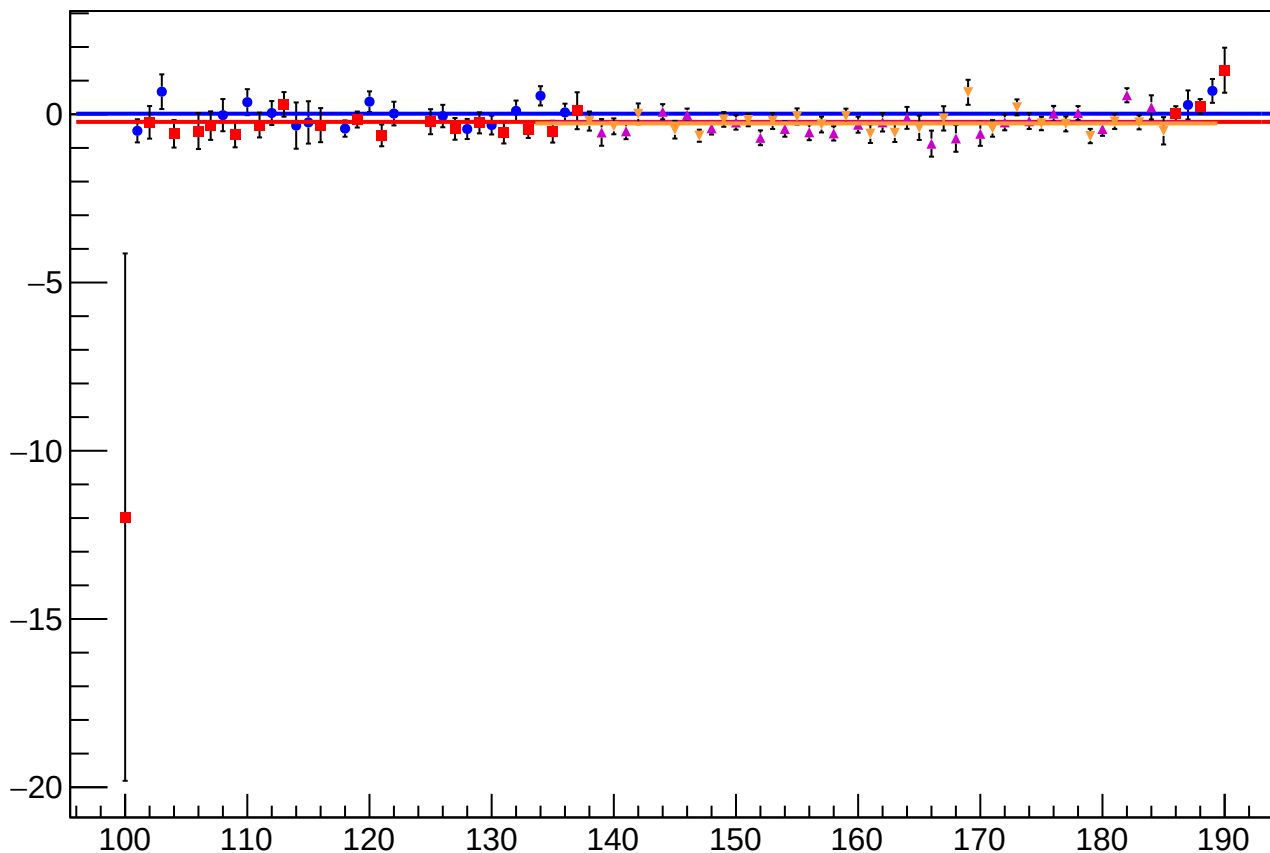
Left In: -0.009 ± 0.057 χ^2/NDF : 38.0/22

+ sign 0.005 ± 0.043 χ^2/NDF : 63.0/41

All: 0.041 ± 0.028 χ^2/NDF : 219.1/85

- sign 0.069 ± 0.037 χ^2/NDF : 154.8/43

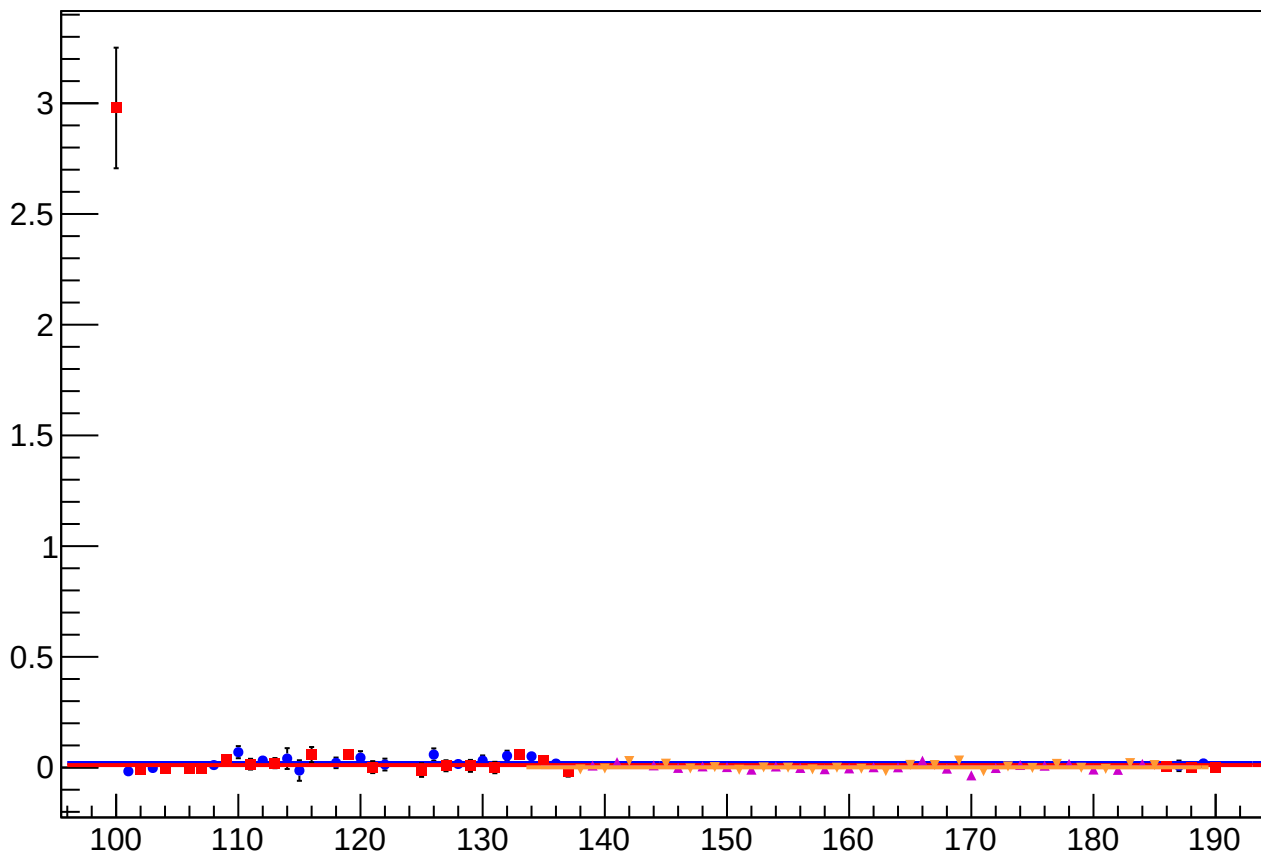
reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.080 $\chi^2/\text{NDF}: 21.1/17$
Left Out: -0.272 ± 0.049 $\chi^2/\text{NDF}: 24.8/23$
Right Out: -0.226 ± 0.074 $\chi^2/\text{NDF}: 22.2/20$
Left In: -0.254 ± 0.050 $\chi^2/\text{NDF}: 40.6/22$

+ sign -0.192 ± 0.042 $\chi^2/\text{NDF}: 55.4/41$
All: -0.219 ± 0.030 $\chi^2/\text{NDF}: 119.1/85$
- sign -0.245 ± 0.042 $\chi^2/\text{NDF}: 62.9/43$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021 ± 0.005 χ^2/NDF : 22.8/17

Left Out: 0.001 ± 0.002 χ^2/NDF : 26.7/23

Right Out: 0.011 ± 0.004 χ^2/NDF : 142.3/20

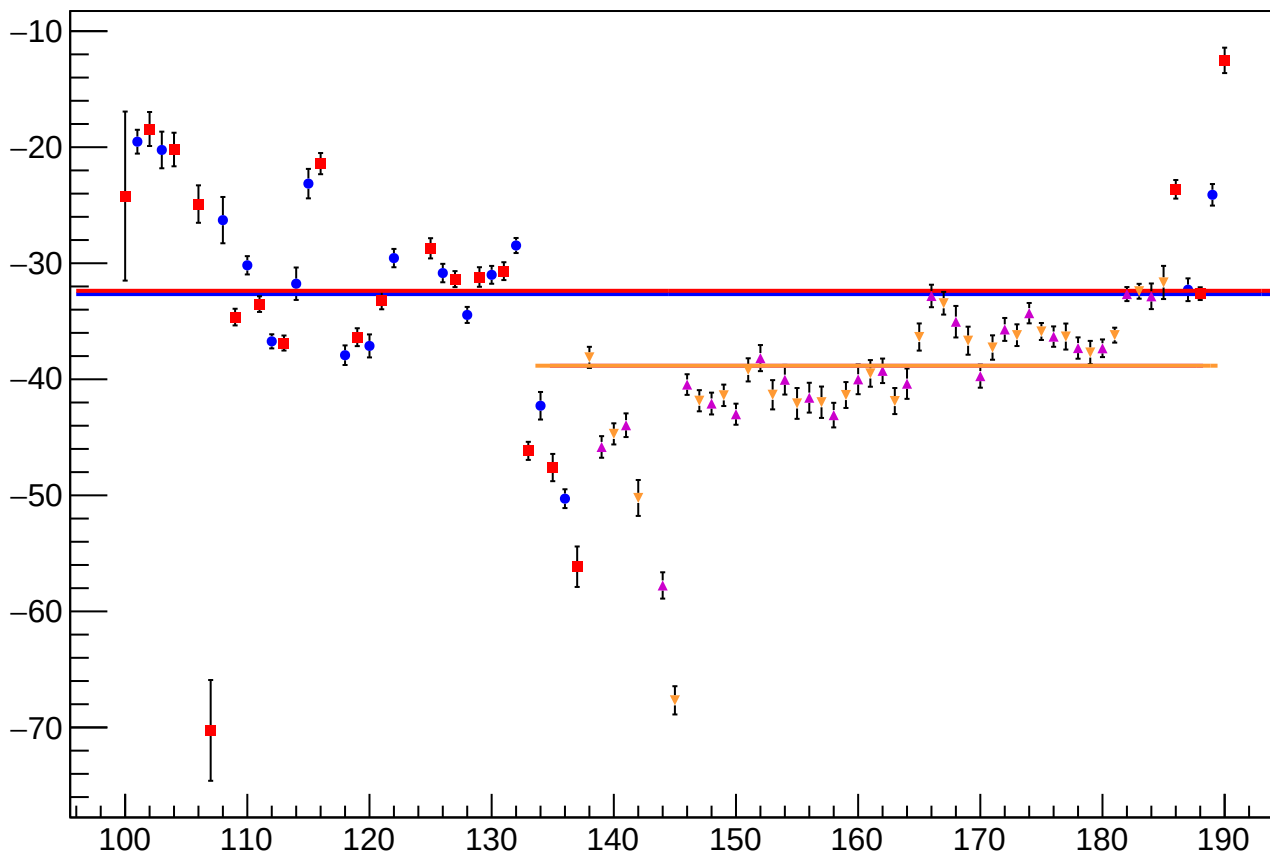
Left In: 0.002 ± 0.002 χ^2/NDF : 24.6/22

+ sign 0.005 ± 0.002 χ^2/NDF : 64.3/41

All: 0.005 ± 0.001 χ^2/NDF : 234.8/85

- sign 0.004 ± 0.002 χ^2/NDF : 170.4/43

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.659 ± 0.207 $\chi^2/\text{NDF}: 1103.8/17$

Left Out: -38.829 ± 0.202 $\chi^2/\text{NDF}: 917.0/23$

Right Out: -32.375 ± 0.191 $\chi^2/\text{NDF}: 1636.3/20$

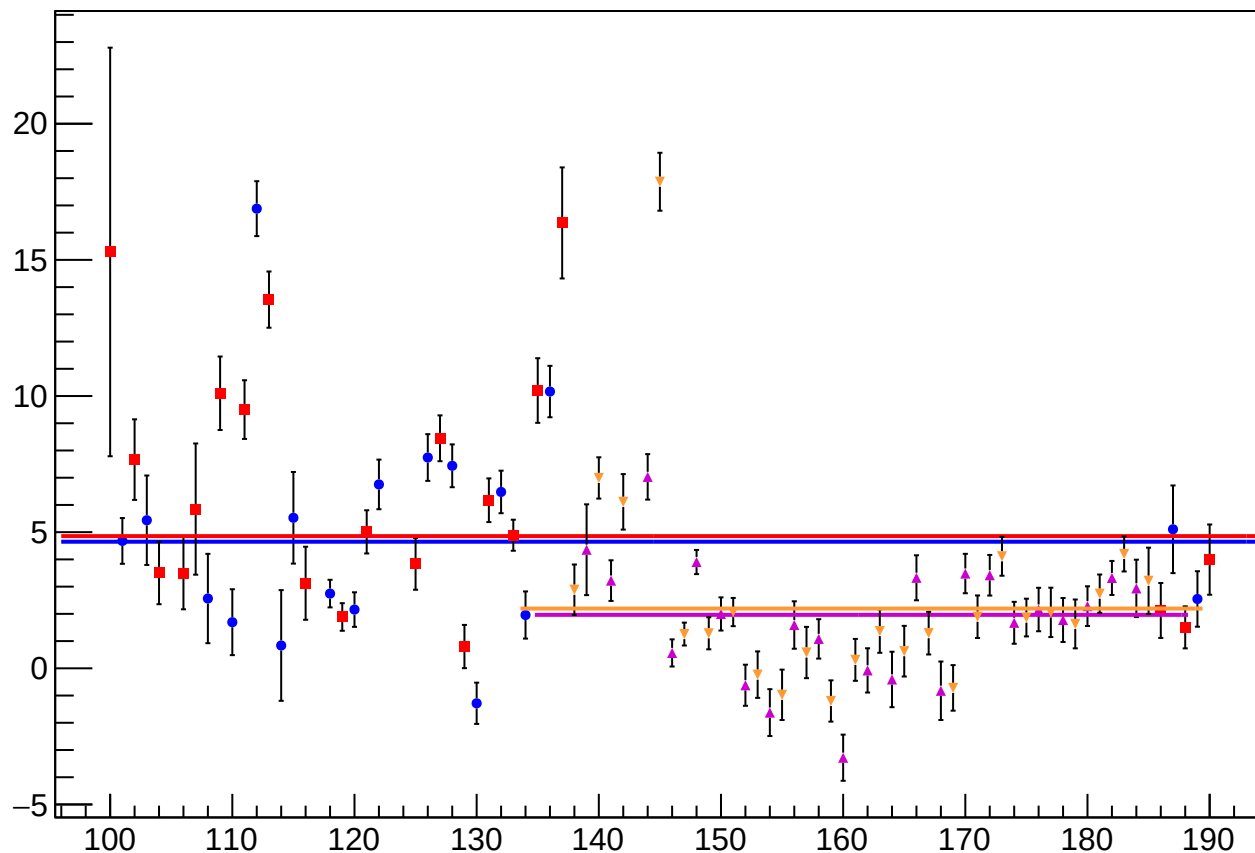
Left In: -38.837 ± 0.203 $\chi^2/\text{NDF}: 653.4/22$

+ sign -35.825 ± 0.145 $\chi^2/\text{NDF}: 2474.9/41$

All: -35.607 ± 0.100 $\chi^2/\text{NDF}: 5305.0/85$

- sign -35.406 ± 0.139 $\chi^2/\text{NDF}: 2825.7/43$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.650 ± 0.212 χ^2/NDF : 334.1/17

Left Out: 2.195 ± 0.152 χ^2/NDF : 365.1/23

Right Out: 4.855 ± 0.207 χ^2/NDF : 275.5/20

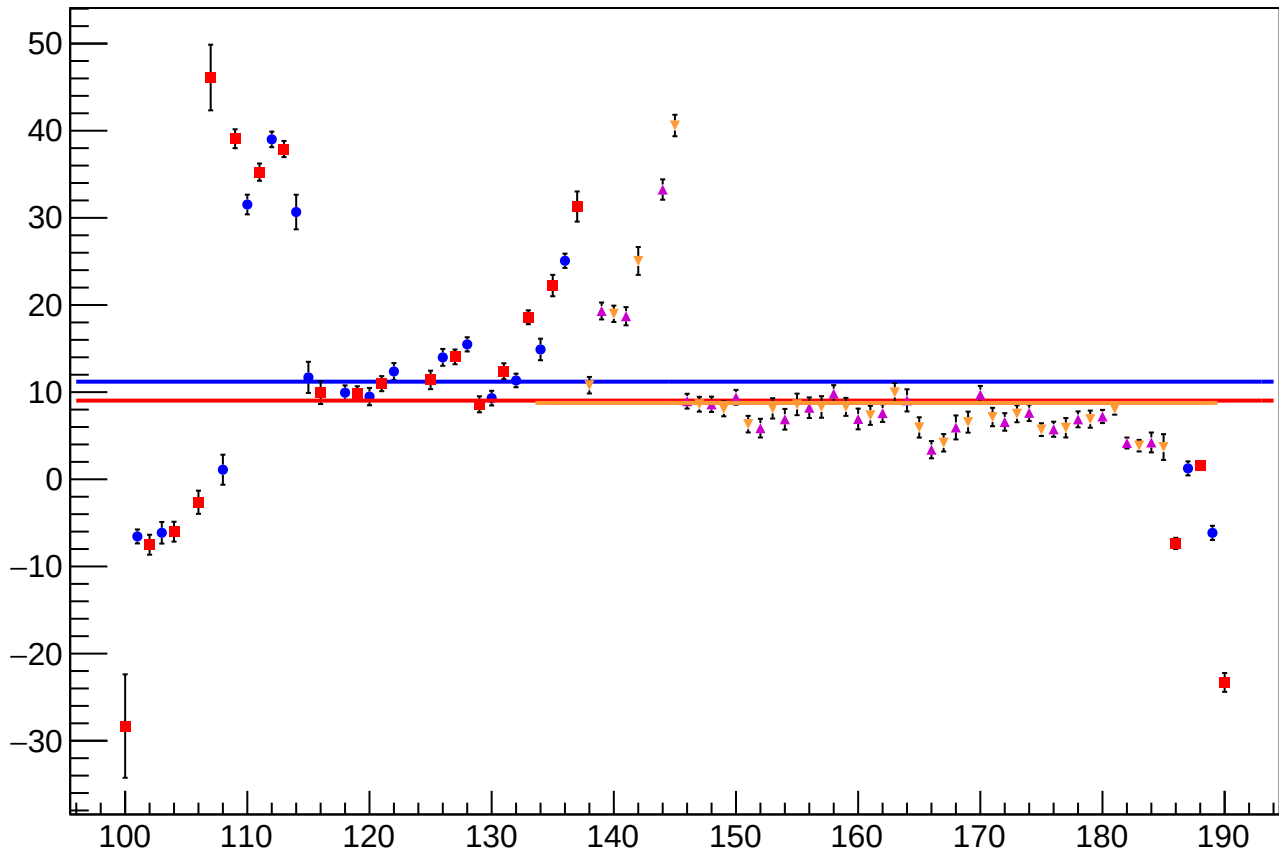
Left In: 1.964 ± 0.155 χ^2/NDF : 173.2/22

+ sign 3.027 ± 0.124 χ^2/NDF : 787.4/41

All: 3.013 ± 0.088 χ^2/NDF : 1361.2/85

- sign 2.999 ± 0.124 χ^2/NDF : 573.8/43

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 11.203 $\pm$ 0.227 χ^2 /NDF: 3064.4/17

Left Out: 8.766 $\pm$ 0.200 χ^2 /NDF:1035.4/23

Right Out: 9.031 $\pm$ 0.203 χ^2 /NDF: 5343.5/20

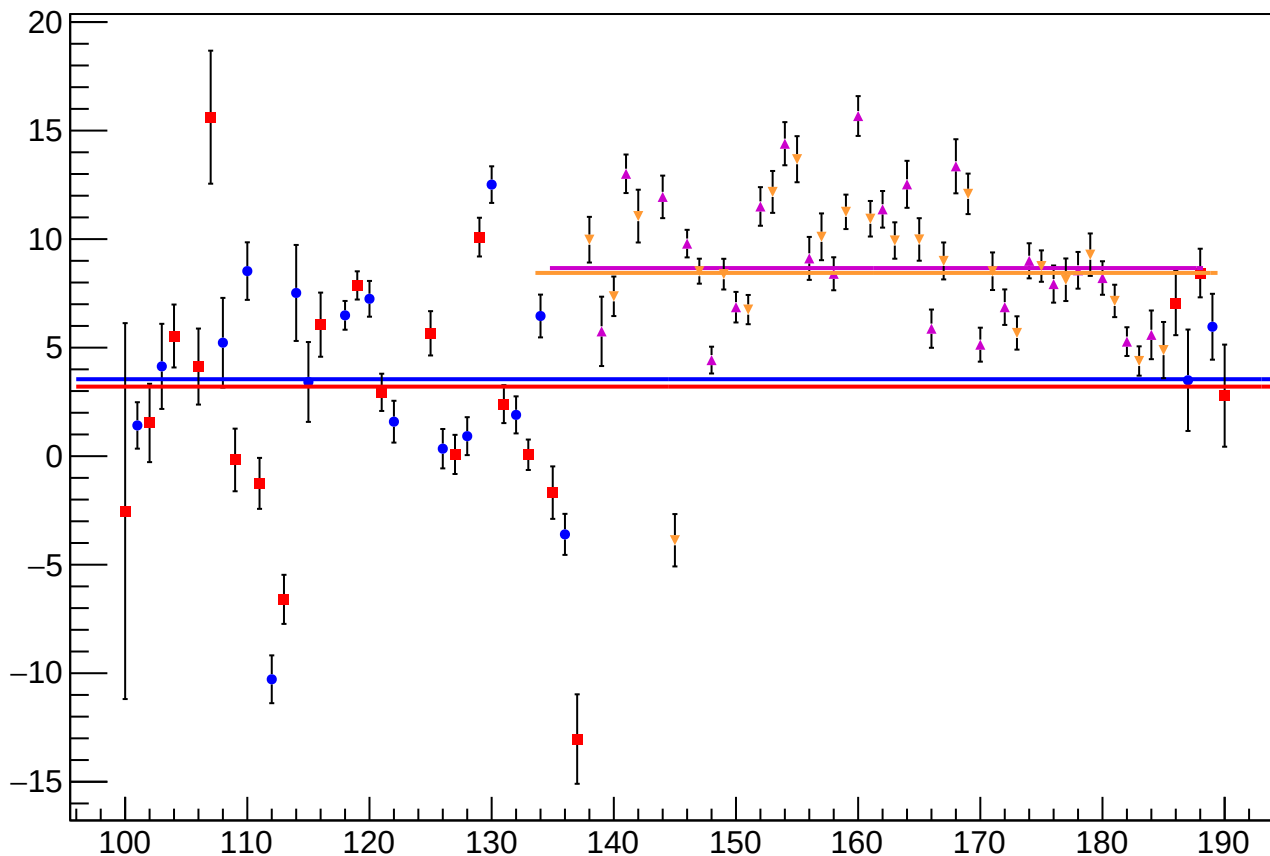
Left In: 8.773 $\pm$ 0.201 χ^2 /NDF:795.1/22

+ sign 9.836 $\pm$ 0.150 χ^2 /NDF: 4164.7/41

All: 9.346 $\pm$ 0.104 χ^2 /NDF: 10324.4/85

- sign 8.901 $\pm$ 0.143 χ^2 /NDF: 6139.4/43

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.546 ± 0.249 χ^2/NDF : 430.2/17

Left Out: 8.442 ± 0.174 χ^2/NDF : 264.2/23

Right Out: 3.204 ± 0.246 χ^2/NDF : 376.2/20

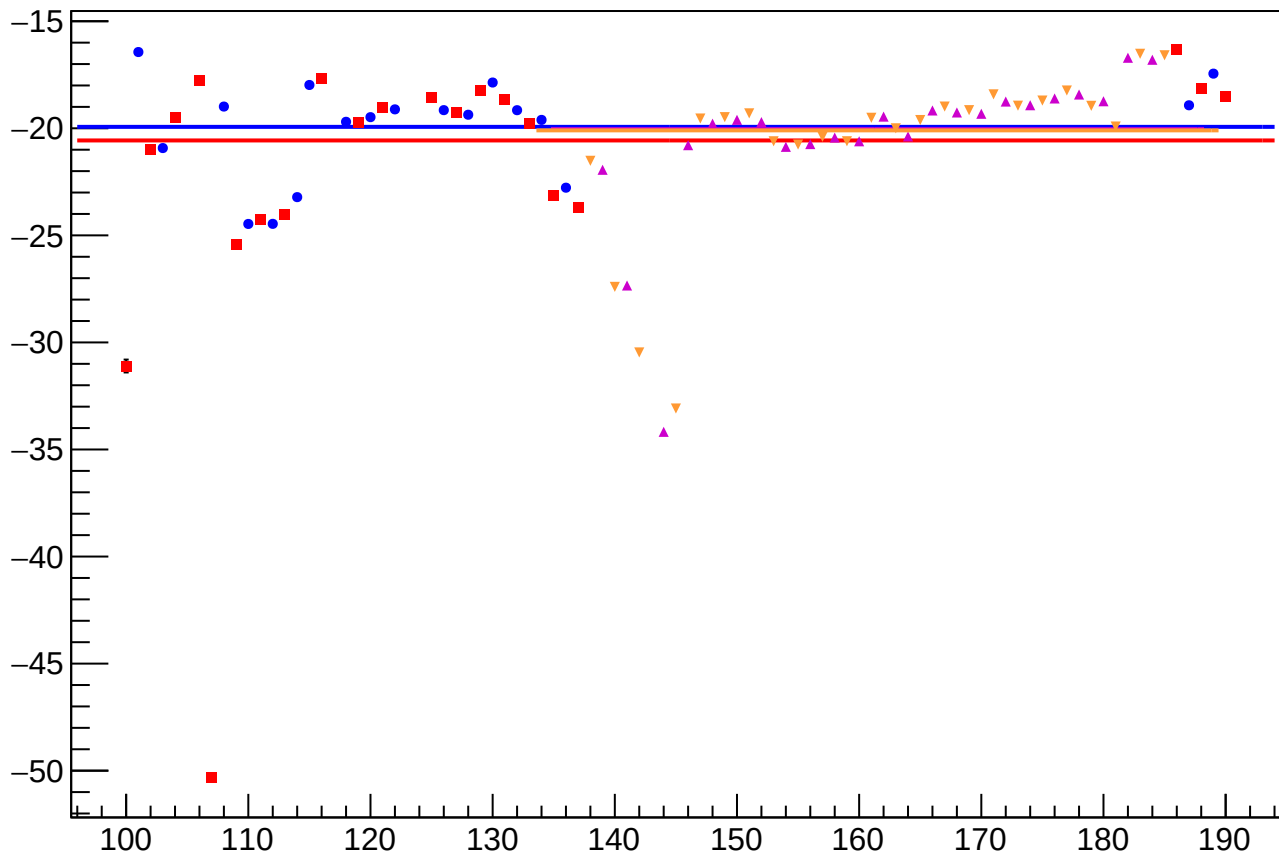
Left In: 8.666 ± 0.176 χ^2/NDF : 304.8/22

+ sign 6.840 ± 0.142 χ^2/NDF : 955.0/41

All: 6.830 ± 0.101 χ^2/NDF : 1962.7/85

- sign 6.820 ± 0.143 χ^2/NDF : 1007.7/43

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.933 ± 0.015 χ^2/NDF : 21835.0/17

Left Out: -20.096 ± 0.008 χ^2/NDF : 159293.0/23

Right Out: -20.567 ± 0.015 χ^2/NDF : 63039.2/20

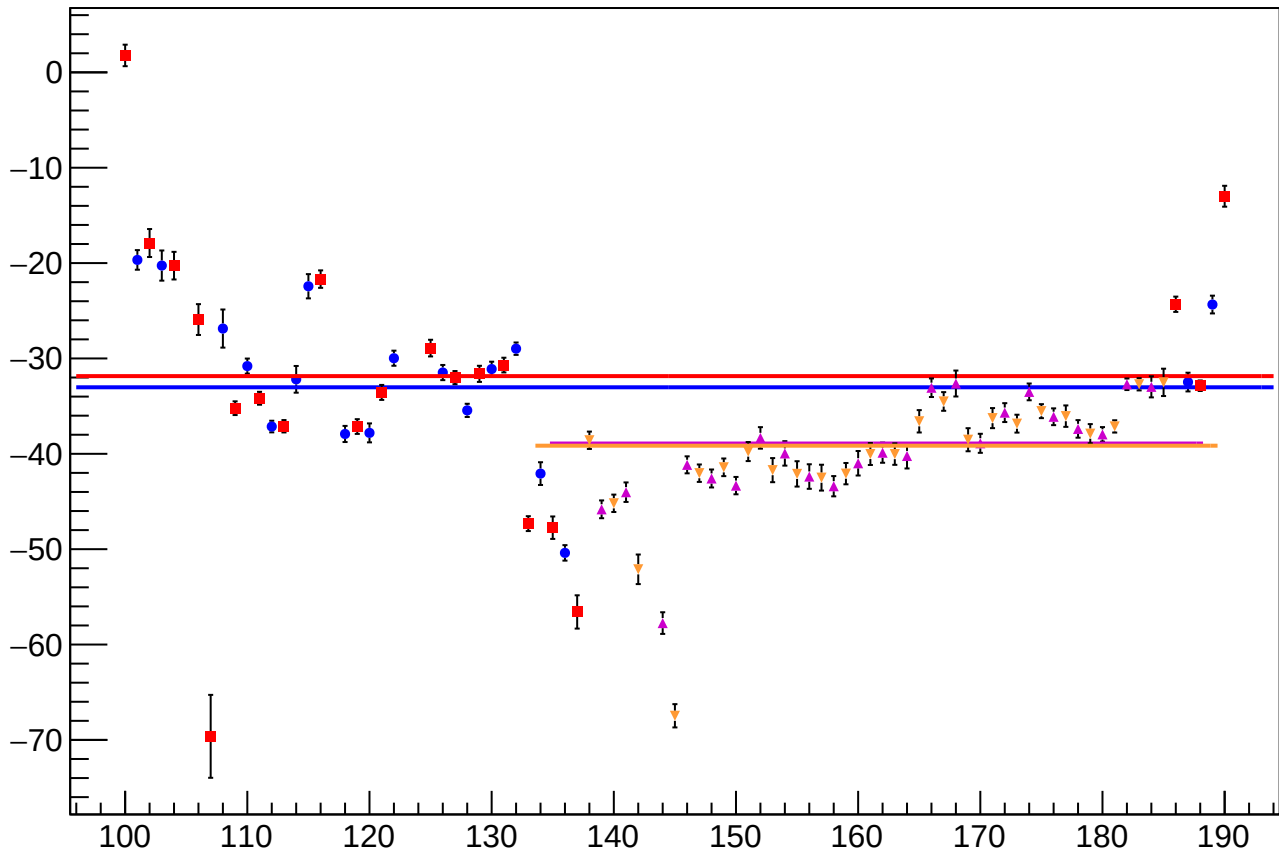
Left In: -20.037 ± 0.008 χ^2/NDF : 132291.6/22

+ sign -20.062 ± 0.007 χ^2/NDF : 181217.5/41

All: -20.106 ± 0.005 χ^2/NDF : 377590.8/85

- sign -20.151 ± 0.007 χ^2/NDF : 196292.9/43

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.024 ± 0.208 χ^2/NDF : 1101.1/17

Left Out: -39.148 ± 0.202 χ^2/NDF : 898.8/23

Right Out: -31.852 ± 0.189 χ^2/NDF : 2583.9/20

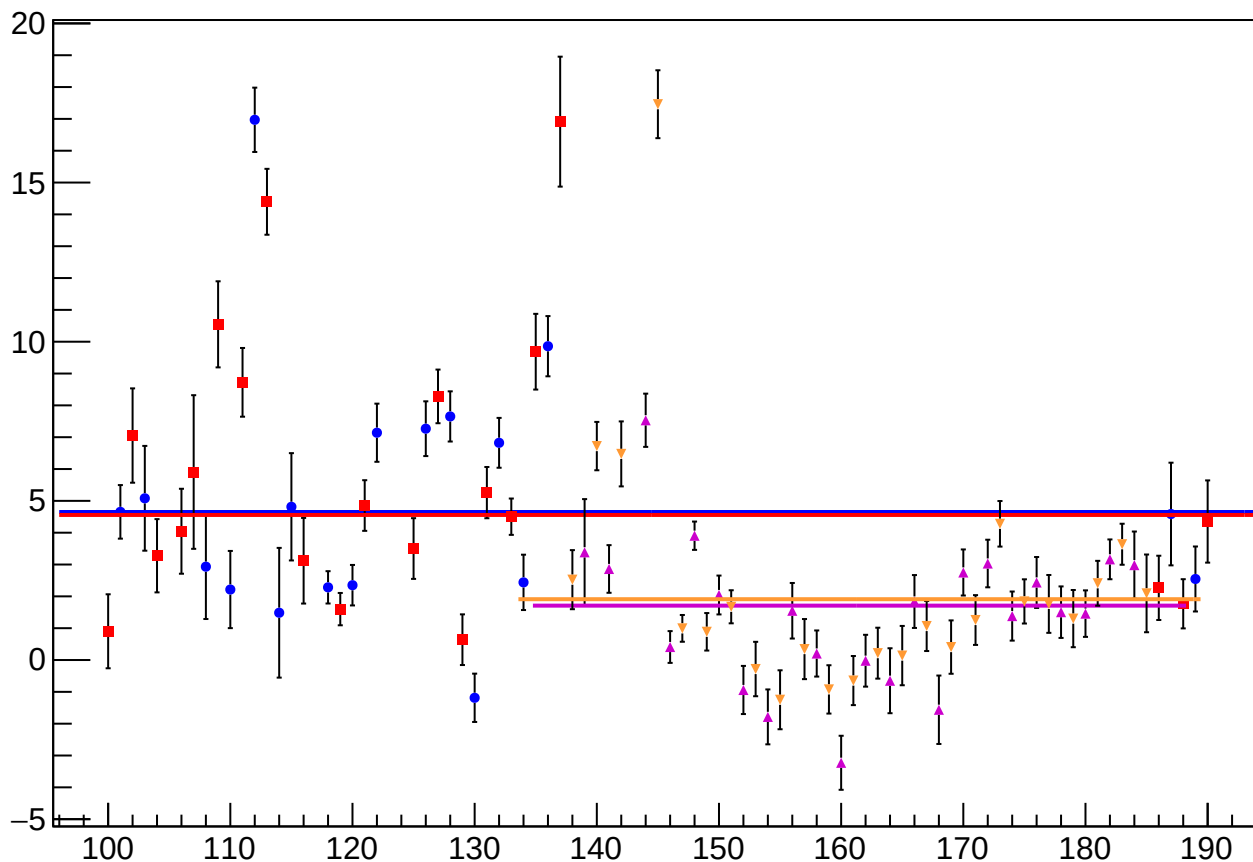
Left In: -38.921 ± 0.204 χ^2/NDF : 684.4/22

+ sign -36.167 ± 0.145 χ^2/NDF : 2445.3/41

All: -35.619 ± 0.100 χ^2/NDF : 6388.2/85

- sign -35.119 ± 0.139 χ^2/NDF : 3915.6/43

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.650 ± 0.213 $\chi^2/\text{NDF}: 330.2/17$

Left Out: 1.911 ± 0.152 $\chi^2/\text{NDF}: 359.3/23$

Right Out: 4.557 ± 0.204 $\chi^2/\text{NDF}: 293.7/20$

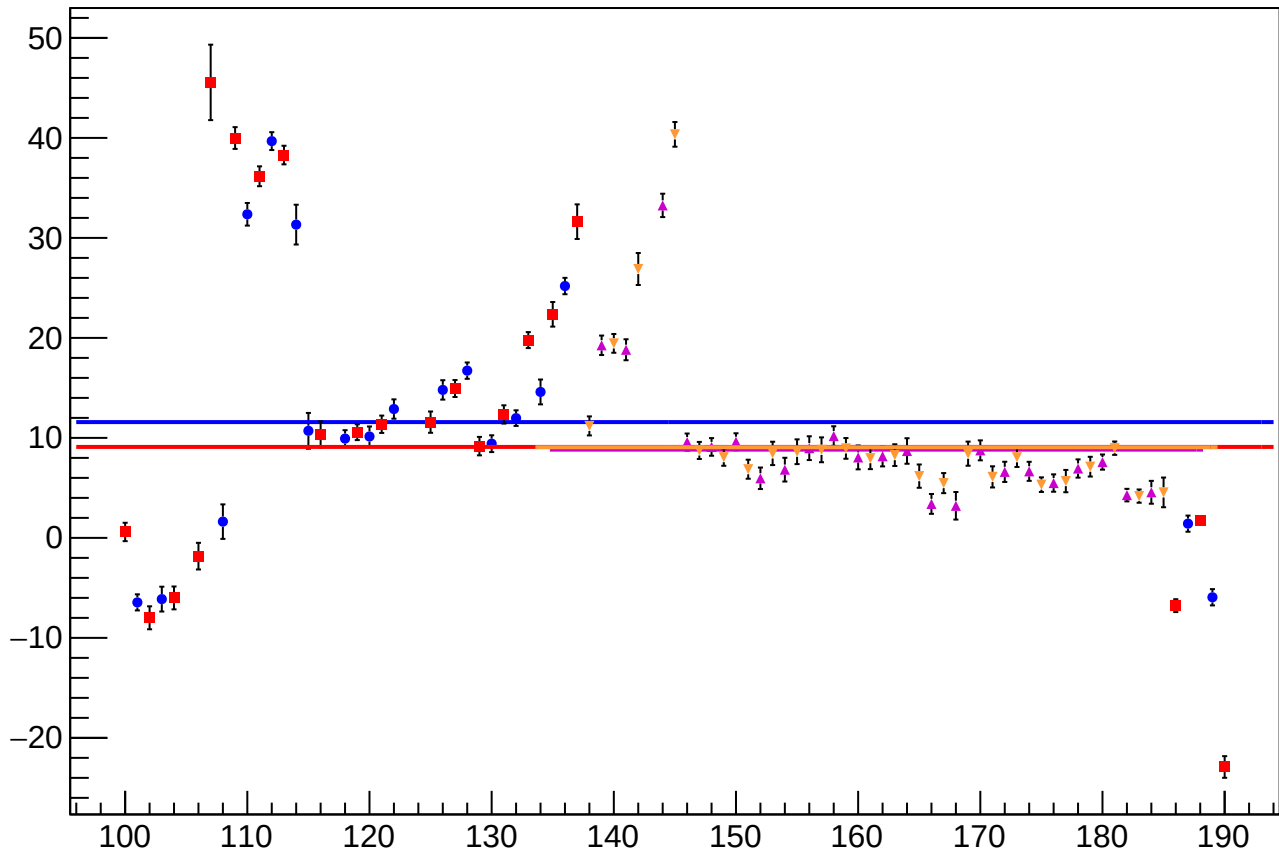
Left In: 1.709 ± 0.155 $\chi^2/\text{NDF}: 182.6/22$

+ sign 2.839 ± 0.124 $\chi^2/\text{NDF}: 798.9/41$

All: 2.794 ± 0.087 $\chi^2/\text{NDF}: 1398.8/85$

- sign 2.749 ± 0.124 $\chi^2/\text{NDF}: 599.6/43$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 11.579 $\pm$ 0.227 χ^2 /NDF: 3132.0/17

Left Out: 9.061 $\pm$ 0.201 χ^2 /NDF:1033.5/23

Right Out: 9.097 $\pm$ 0.198 χ^2 /NDF: 5472.9/20

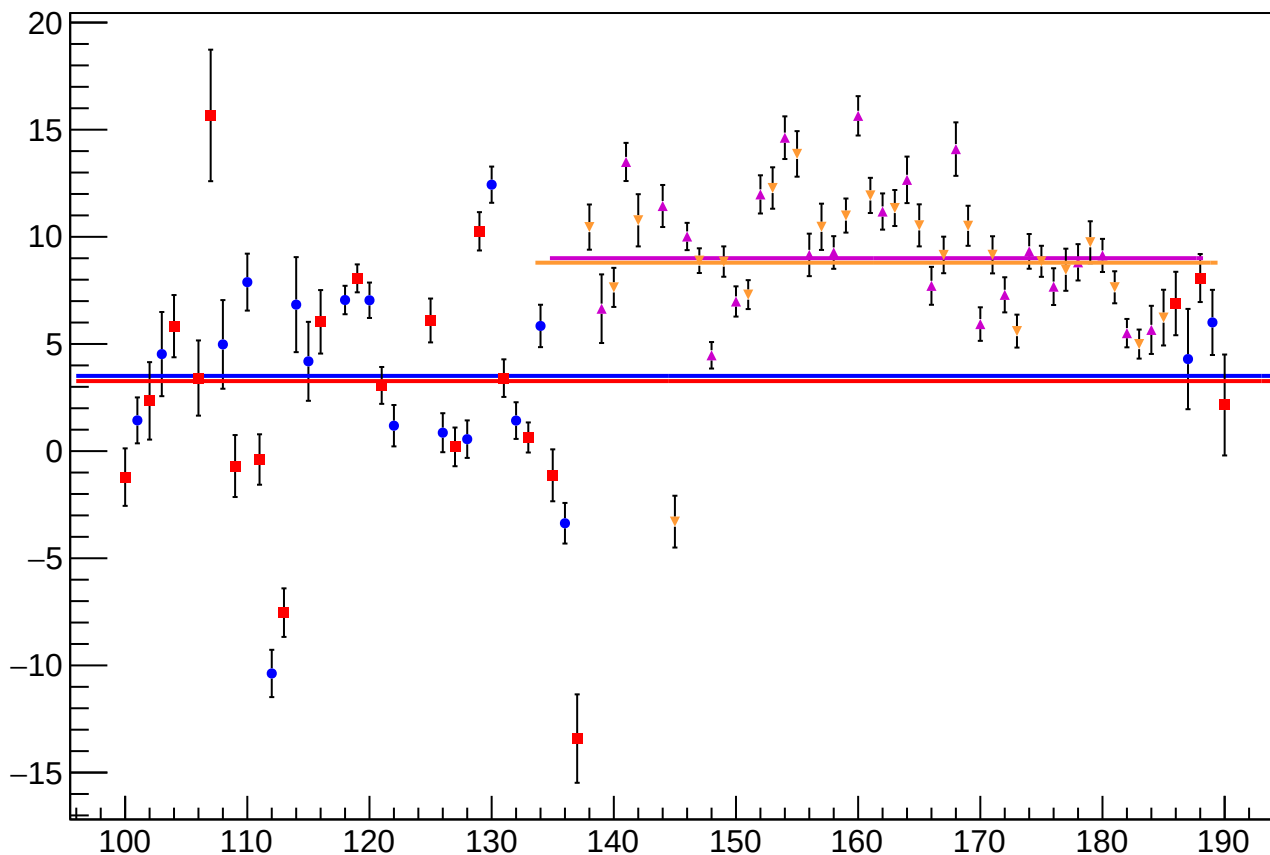
Left In: 8.826 $\pm$ 0.202 χ^2 /NDF:801.4/22

+ sign 10.167 $\pm$ 0.150 χ^2 /NDF: 4234.4/41

All: 9.529 $\pm$ 0.103 χ^2 /NDF: 10543.6/85

- sign 8.963 $\pm$ 0.142 χ^2 /NDF: 6275.2/43

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.511 ± 0.249 χ^2/NDF : 426.9/17

Left Out: 8.793 ± 0.174 χ^2/NDF : 244.1/23

Right Out: 3.268 ± 0.242 χ^2/NDF : 394.1/20

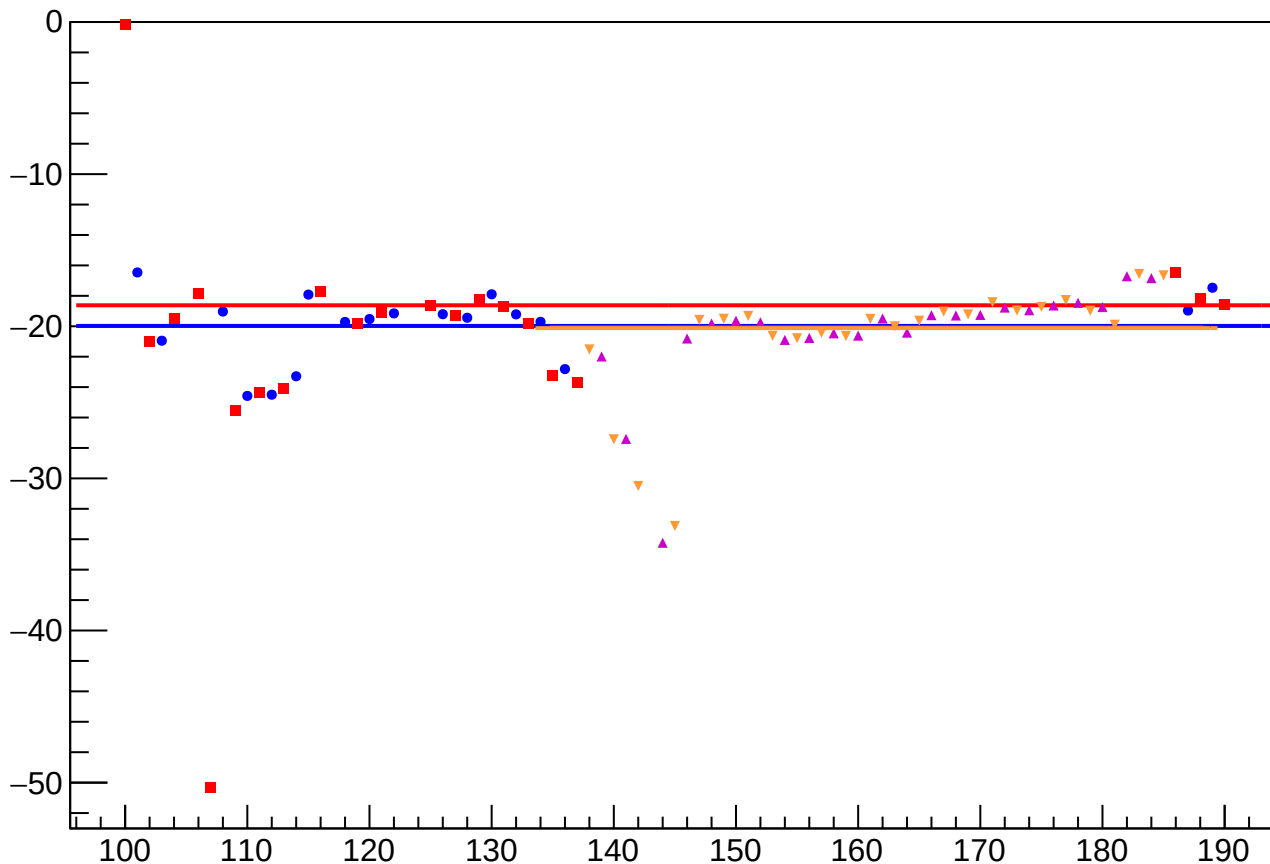
Left In: 9.004 ± 0.176 χ^2/NDF : 289.6/22

+ sign 7.065 ± 0.143 χ^2/NDF : 973.0/41

All: 7.044 ± 0.101 χ^2/NDF : 2023.4/85

- sign 7.024 ± 0.142 χ^2/NDF : 1050.4/43

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.978 ± 0.015 χ^2/NDF : 21890.2/17

Left Out: -20.123 ± 0.008 χ^2/NDF : 158578.7/23

Right Out: -18.622 ± 0.014 χ^2/NDF : 235222.8/20

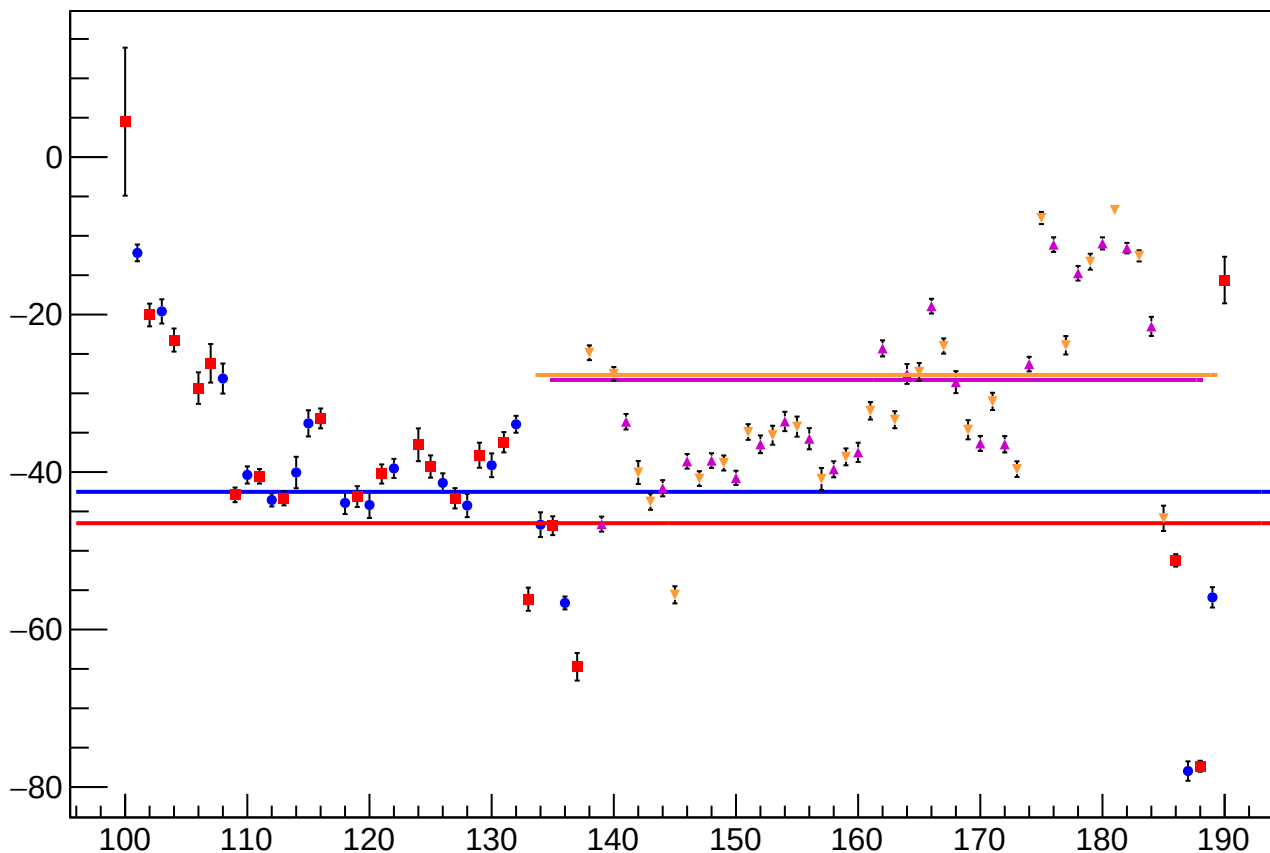
Left In: -20.063 ± 0.008 χ^2/NDF : 132690.0/22

+ sign -20.093 ± 0.007 χ^2/NDF : 180539.2/41

All: -19.909 ± 0.005 χ^2/NDF : 557450.8/85

- sign -19.731 ± 0.007 χ^2/NDF : 375571.5/43

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -42.513 ± 0.293 $\chi^2/\text{NDF}: 2444.0/17$

Left Out: -27.668 ± 0.200 $\chi^2/\text{NDF}: 4396.9/24$

Right Out: -46.492 ± 0.263 $\chi^2/\text{NDF}: 3382.7/21$

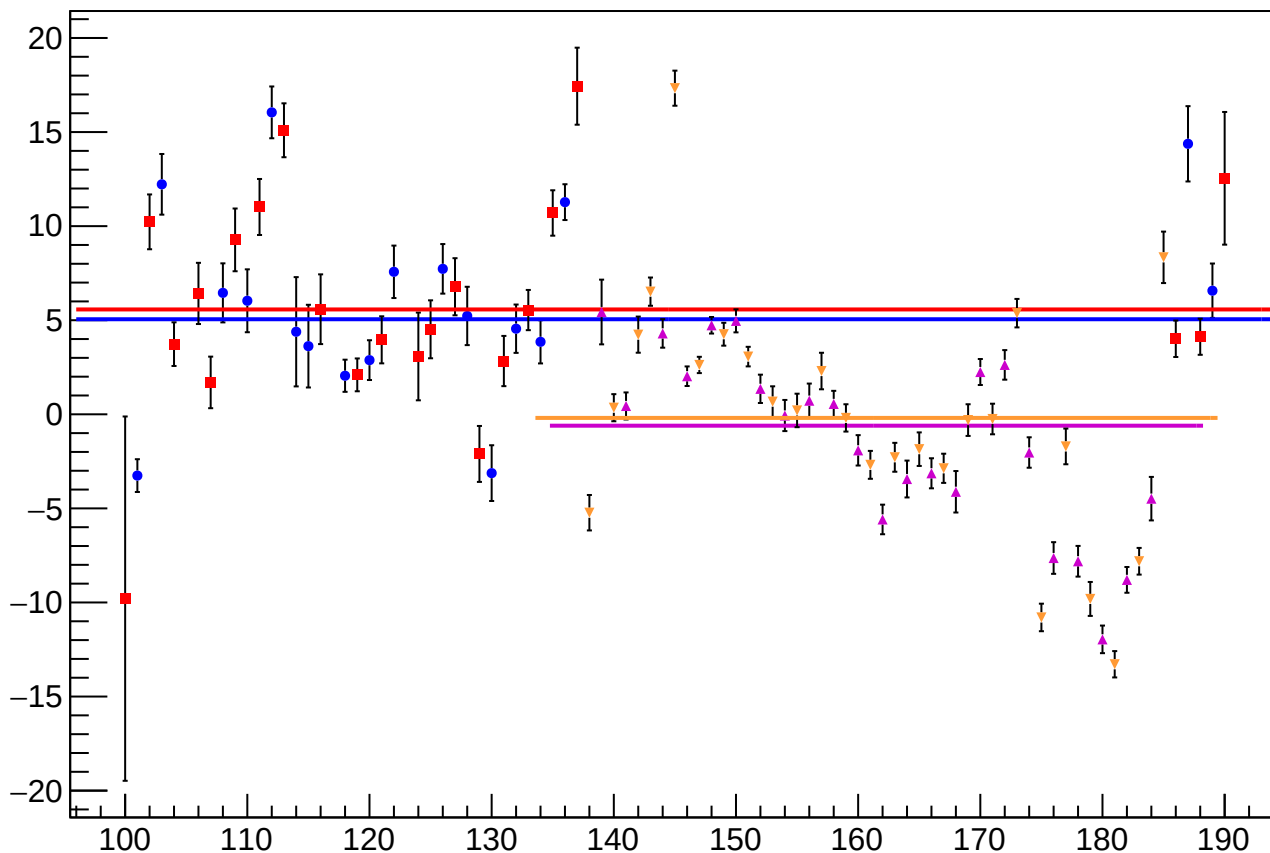
Left In: -28.303 ± 0.206 $\chi^2/\text{NDF}: 3273.4/22$

+ sign -32.393 ± 0.166 $\chi^2/\text{NDF}: 8586.3/42$

All: -33.821 ± 0.116 $\chi^2/\text{NDF}: 18348.5/87$

- sign -35.193 ± 0.162 $\chi^2/\text{NDF}: 9616.2/44$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.052 ± 0.305 χ^2/NDF : 297.6/17

Left Out: -0.192 ± 0.150 χ^2/NDF : 1545.3/24

Right Out: 5.573 ± 0.292 χ^2/NDF : 197.2/21

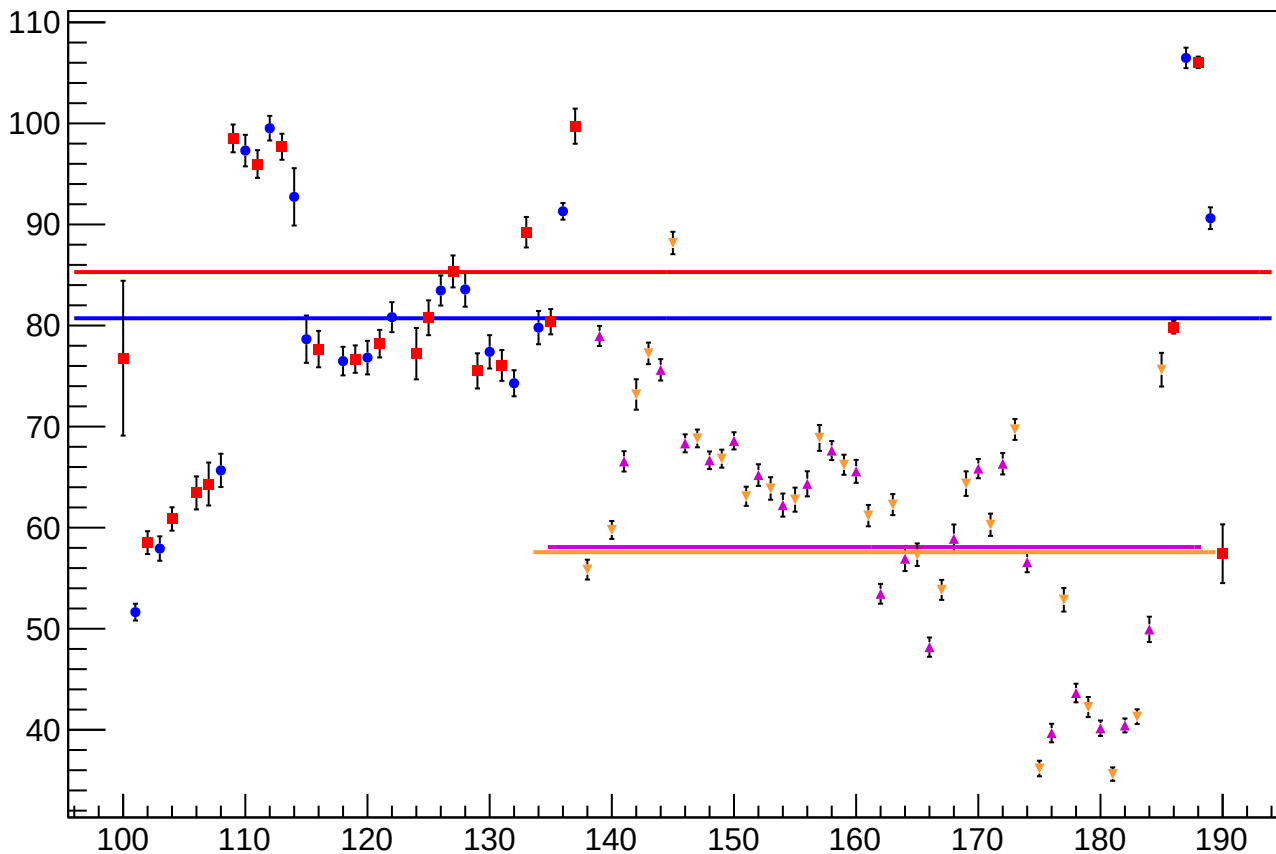
Left In: -0.605 ± 0.155 χ^2/NDF : 974.6/22

+ sign 0.830 ± 0.135 χ^2/NDF : 2080.8/42

All: 0.795 ± 0.096 χ^2/NDF : 3602.6/87

- sign 0.759 ± 0.137 χ^2/NDF : 1521.7/44

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 80.719 ± 0.306 $\chi^2/\text{NDF}: 2973.6/17$

Left Out: 57.573 ± 0.199 $\chi^2/\text{NDF}: 4685.5/24$

Right Out: 85.288 ± 0.266 $\chi^2/\text{NDF}: 3339.9/21$

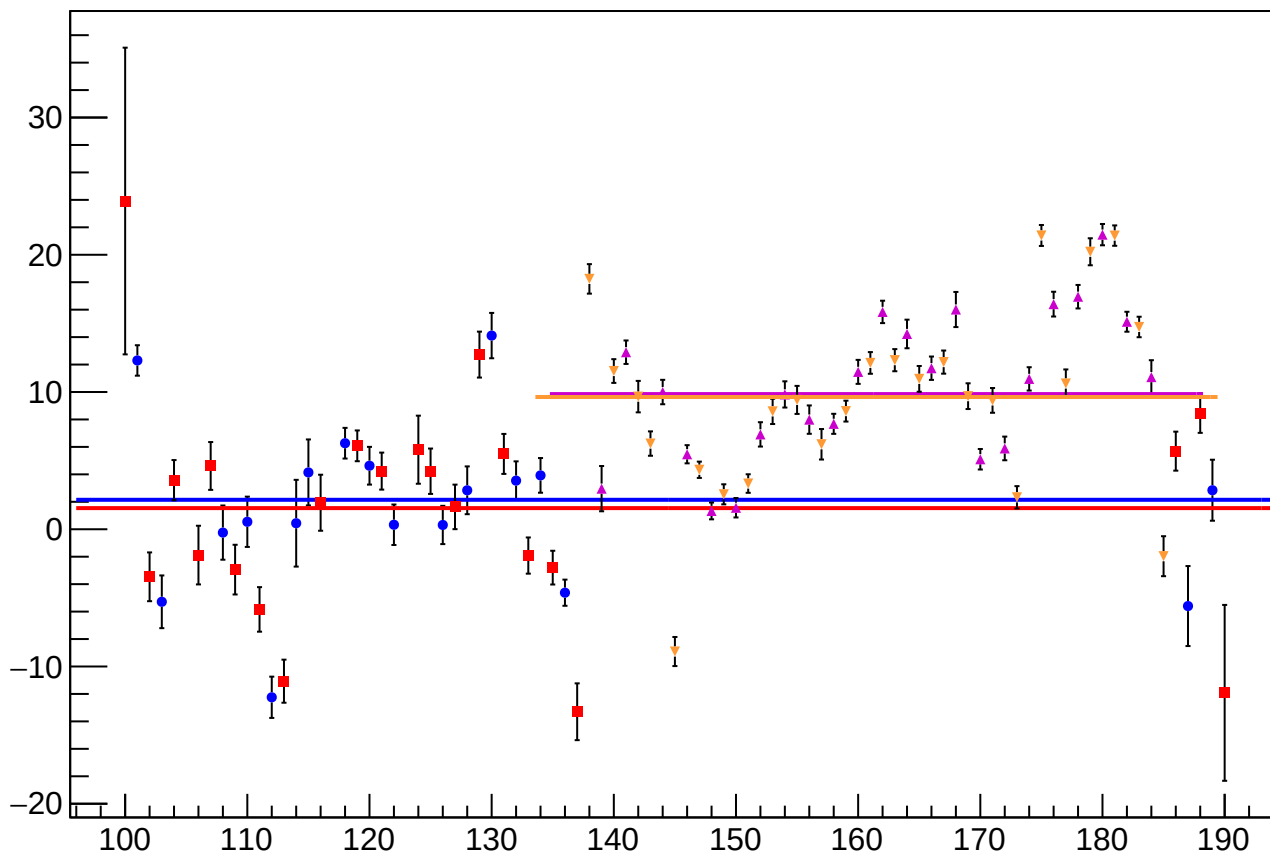
Left In: 58.080 ± 0.203 $\chi^2/\text{NDF}: 3558.6/22$

+ sign 64.436 ± 0.167 $\chi^2/\text{NDF}: 11671.3/42$

All: 66.336 ± 0.116 $\chi^2/\text{NDF}: 25418.6/87$

- sign 68.118 ± 0.162 $\chi^2/\text{NDF}: 13496.1/44$

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.147 ± 0.356 $\chi^2/\text{NDF}: 326.8/17$

Left Out: 9.636 ± 0.171 $\chi^2/\text{NDF}: 1491.5/24$

Right Out: 1.540 ± 0.349 $\chi^2/\text{NDF}: 295.8/21$

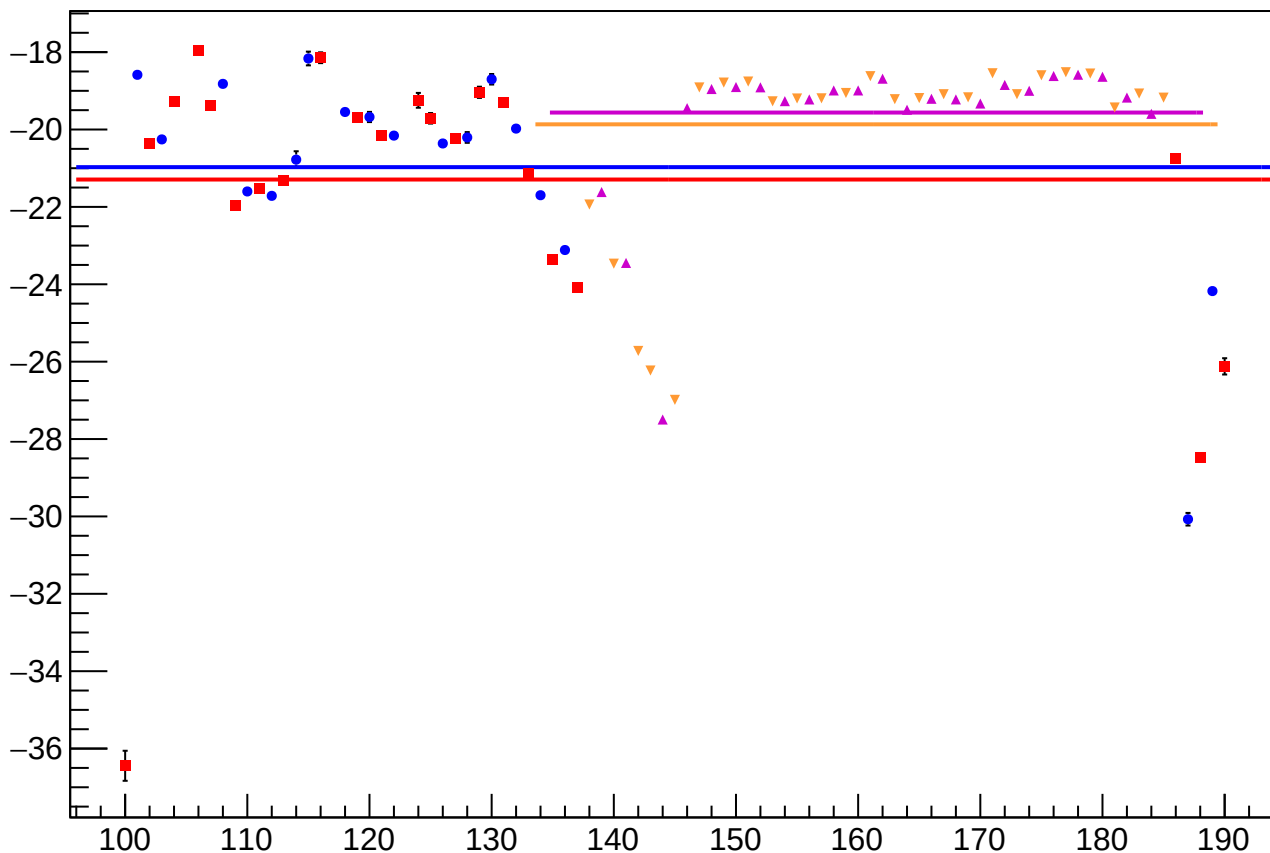
Left In: 9.849 ± 0.176 $\chi^2/\text{NDF}: 993.0/22$

+ sign 8.224 ± 0.154 $\chi^2/\text{NDF}: 2178.3/42$

All: 8.192 ± 0.110 $\chi^2/\text{NDF}: 3919.3/87$

- sign 8.158 ± 0.157 $\chi^2/\text{NDF}: 1740.9/44$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.973 ± 0.019 $\chi^2/\text{NDF}: 11841.5/17$

Left Out: -19.866 ± 0.008 $\chi^2/\text{NDF}: 78894.3/24$

Right Out: -21.293 ± 0.019 $\chi^2/\text{NDF}: 19274.2/21$

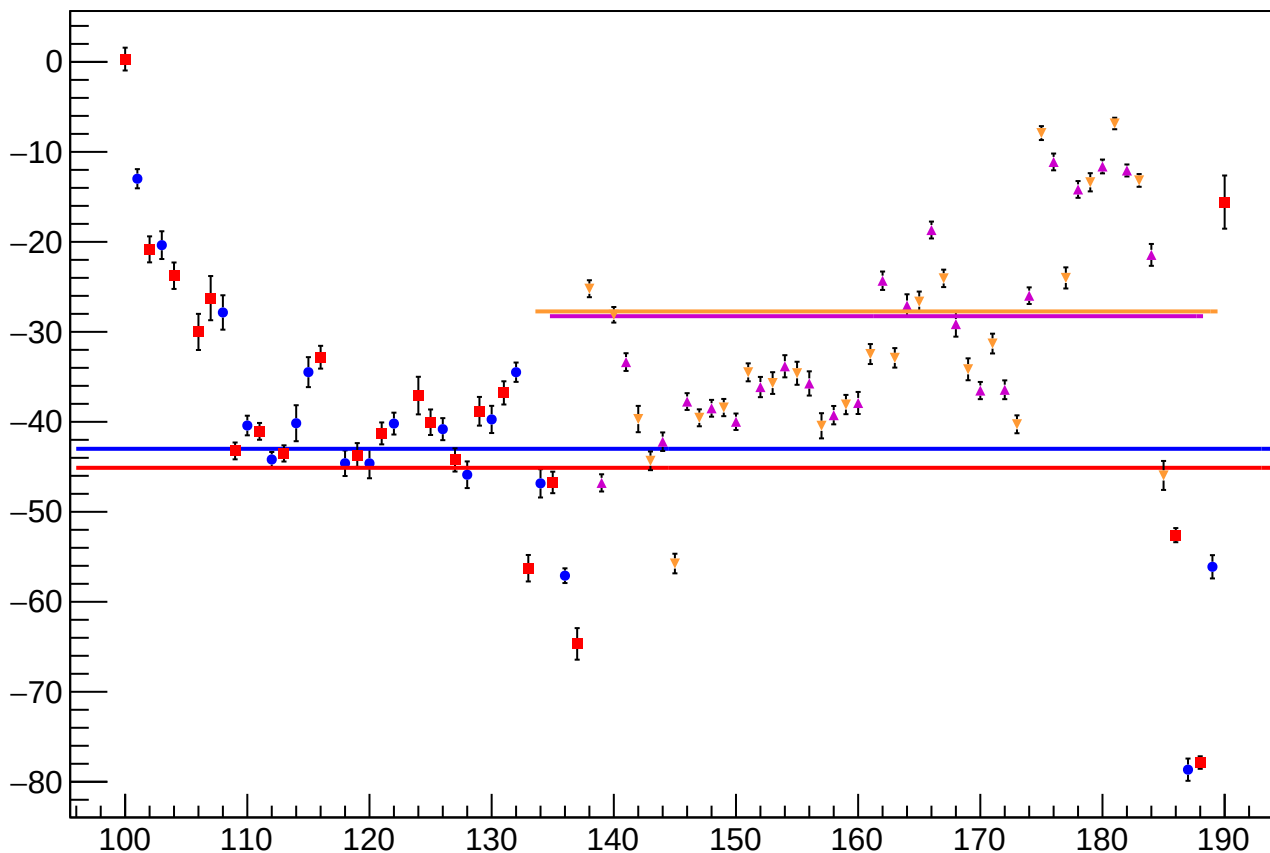
Left In: -19.562 ± 0.008 $\chi^2/\text{NDF}: 45172.6/22$

+ sign -20.028 ± 0.007 $\chi^2/\text{NDF}: 93641.6/42$

All: -19.924 ± 0.005 $\chi^2/\text{NDF}: 165503.3/87$

- sign -19.817 ± 0.007 $\chi^2/\text{NDF}: 71444.6/44$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -42.998 ± 0.294 χ^2/NDF : 2427.8/17

Left Out: -27.729 ± 0.201 χ^2/NDF : 4299.7/24

Right Out: -45.110 ± 0.258 χ^2/NDF : 4693.4/21

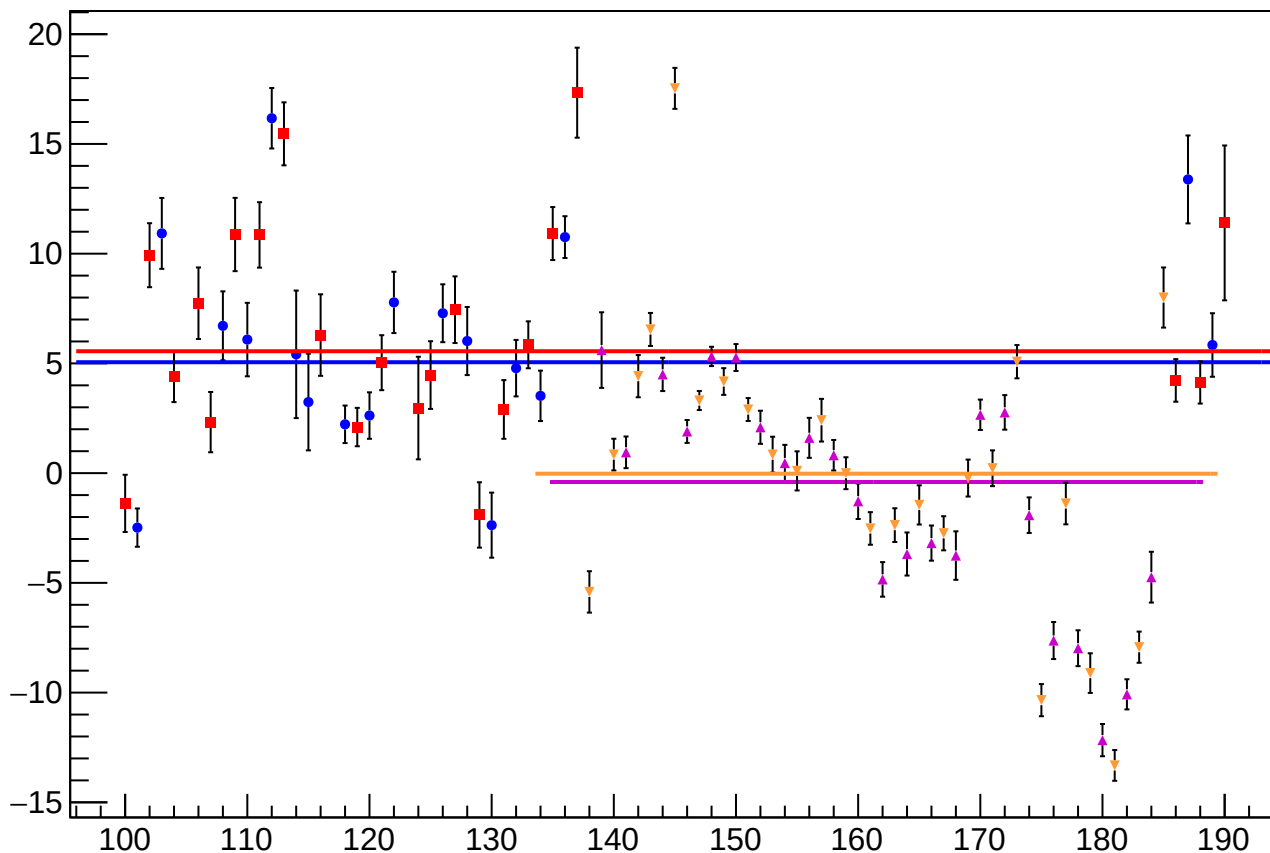
Left In: -28.260 ± 0.206 χ^2/NDF : 3172.7/22

+ sign -32.589 ± 0.166 χ^2/NDF : 8568.6/42

All: -33.732 ± 0.116 χ^2/NDF : 19124.6/87

- sign -34.812 ± 0.161 χ^2/NDF : 10463.5/44

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.054 ± 0.305 χ^2/NDF : 258.7/17

Left Out: -0.026 ± 0.150 χ^2/NDF : 1531.8/24

Right Out: 5.554 ± 0.285 χ^2/NDF : 223.9/21

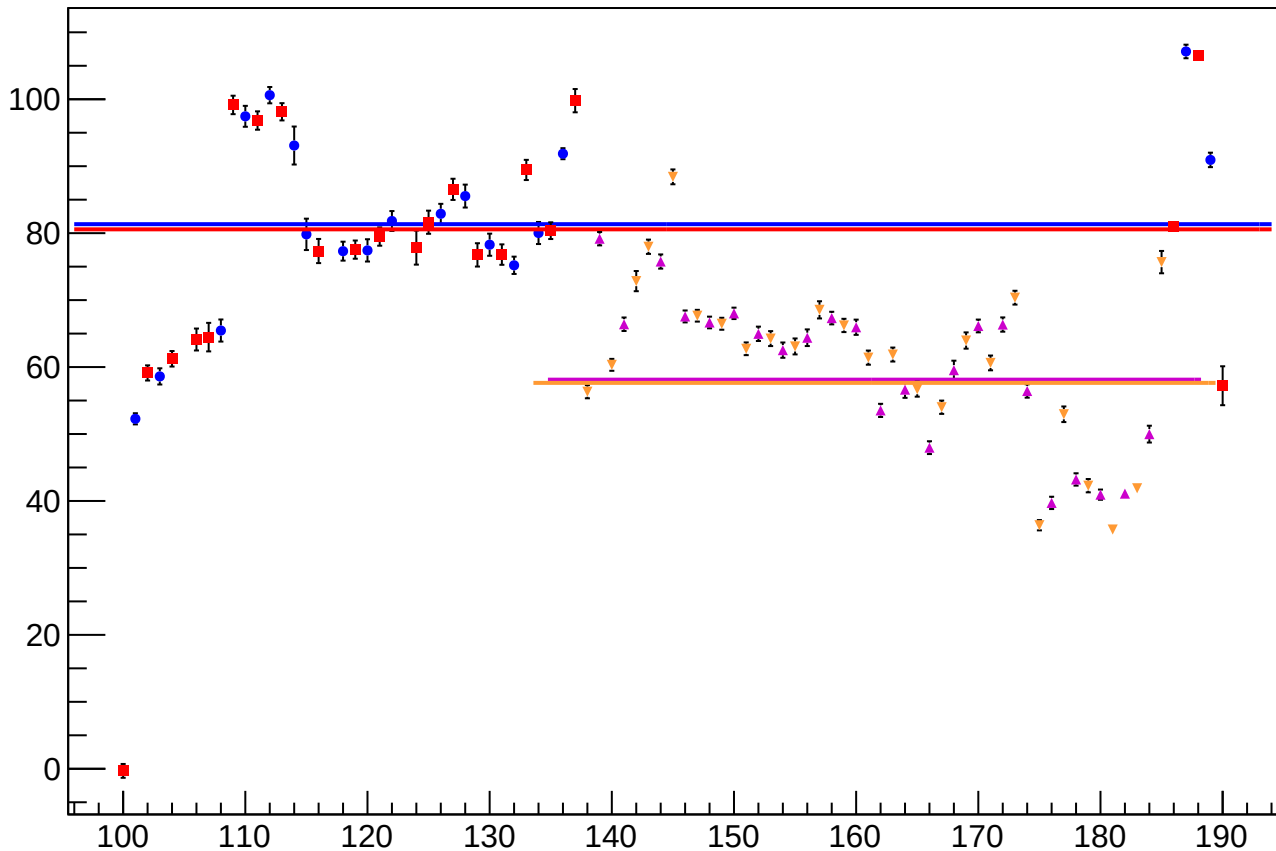
Left In: -0.404 ± 0.155 χ^2/NDF : 1084.1/22

+ sign 0.964 ± 0.135 χ^2/NDF : 2013.0/42

All: 0.963 ± 0.096 χ^2/NDF : 3657.7/87

- sign 0.962 ± 0.136 χ^2/NDF : 1644.7/44

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 81.341 $\pm$ 0.307 χ^2 /NDF: 2969.3/17

Left Out: 57.638 $\pm$ 0.199 χ^2 /NDF: 4612.7/24

Right Out: 80.570 $\pm$ 0.258 χ^2 /NDF: 9839.4/21

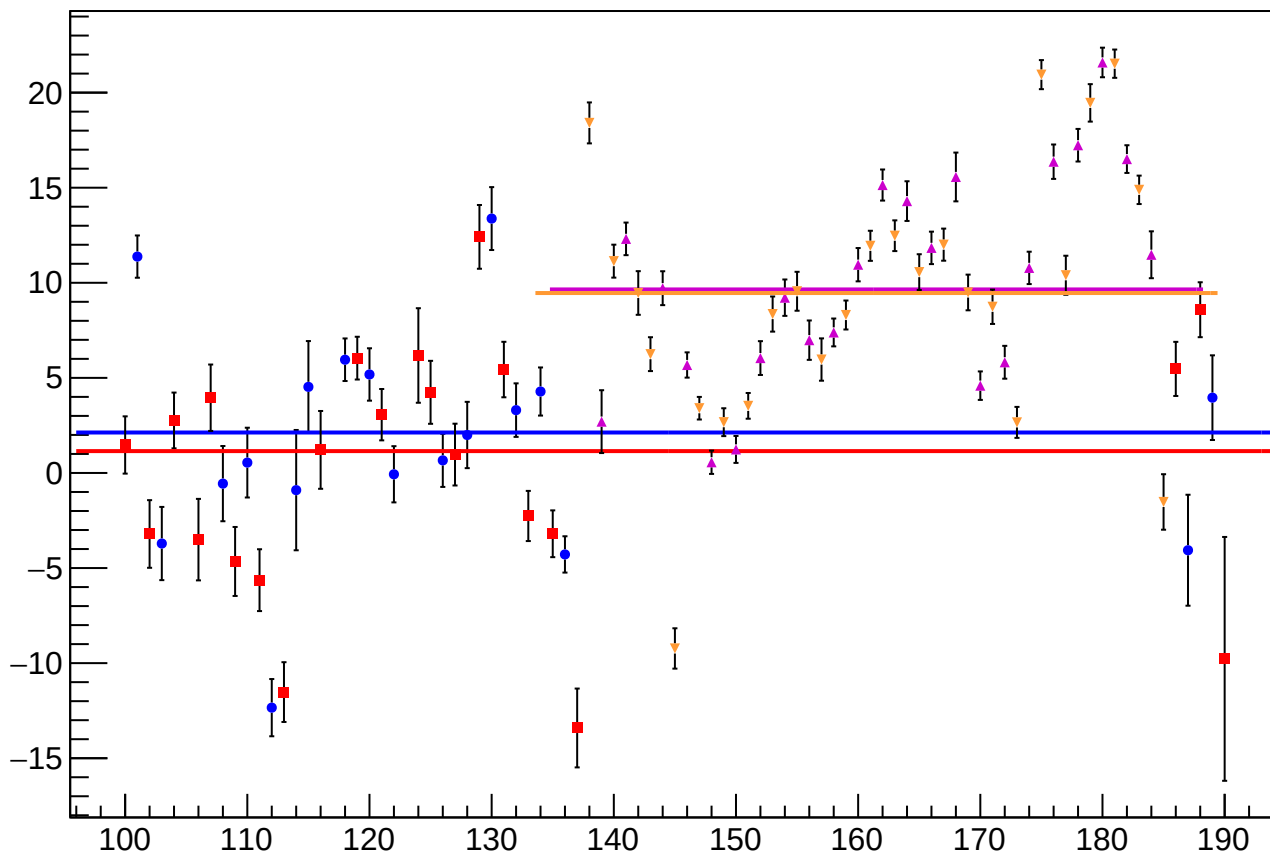
Left In: 58.117 $\pm$ 0.204 χ^2 /NDF: 3443.9/22

+ sign 64.665 $\pm$ 0.167 χ^2 /NDF: 11777.0/42

All: 65.748 $\pm$ 0.116 χ^2 /NDF: 29799.3/87

- sign 66.739 $\pm$ 0.160 χ^2 /NDF: 17941.9/44

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.128 ± 0.356 χ^2/NDF : 295.5/17

Left Out: 9.461 ± 0.172 χ^2/NDF : 1483.1/24

Right Out: 1.149 ± 0.340 χ^2/NDF : 296.6/21

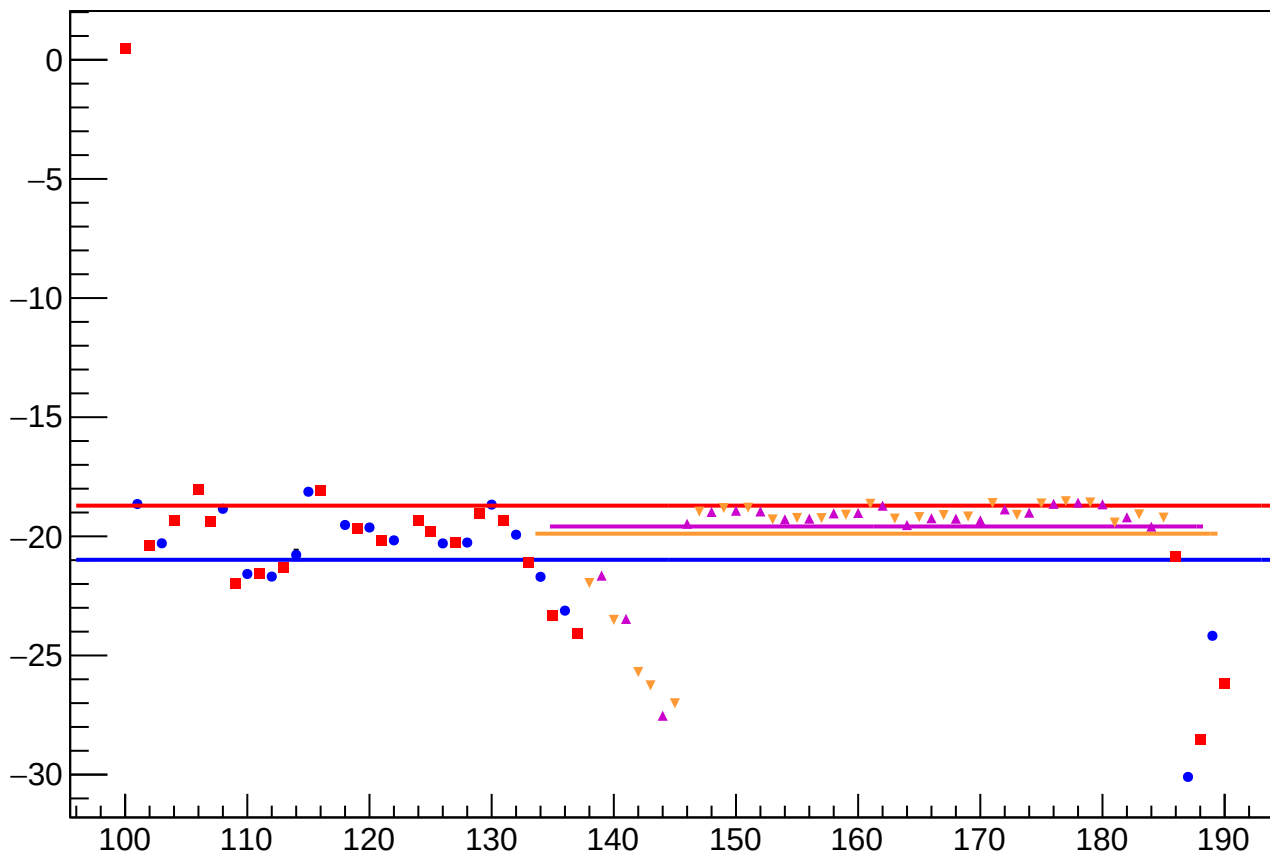
Left In: 9.650 ± 0.177 χ^2/NDF : 1078.5/22

+ sign 8.079 ± 0.155 χ^2/NDF : 2122.7/42

All: 7.964 ± 0.110 χ^2/NDF : 3990.4/87

- sign 7.847 ± 0.157 χ^2/NDF : 1866.6/44

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.985 ± 0.019 $\chi^2/\text{NDF}: 11713.1/17$

Left Out: -19.889 ± 0.008 $\chi^2/\text{NDF}: 78512.6/24$

Right Out: -18.712 ± 0.018 $\chi^2/\text{NDF}: 169819.0/21$

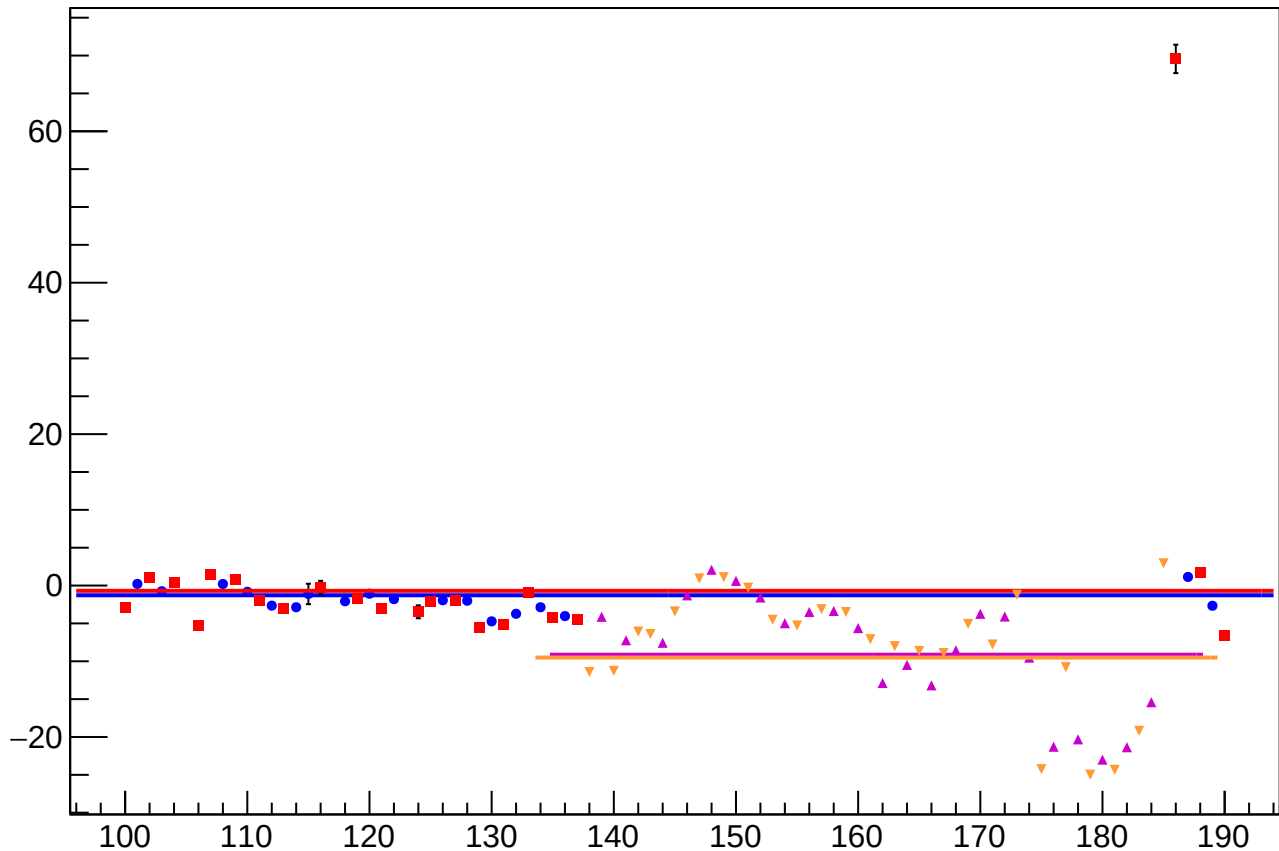
Left In: -19.586 ± 0.008 $\chi^2/\text{NDF}: 45085.3/22$

+ sign -20.049 ± 0.007 $\chi^2/\text{NDF}: 93067.2/42$

All: -19.747 ± 0.005 $\chi^2/\text{NDF}: 313421.4/87$

- sign -19.443 ± 0.007 $\chi^2/\text{NDF}: 216881.1/44$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.282 ± 0.054 χ^2/NDF : 646.1/17

Left Out: -9.512 ± 0.073 χ^2/NDF : 12916.4/24

Right Out: -0.693 ± 0.049 χ^2/NDF : 3252.4/21

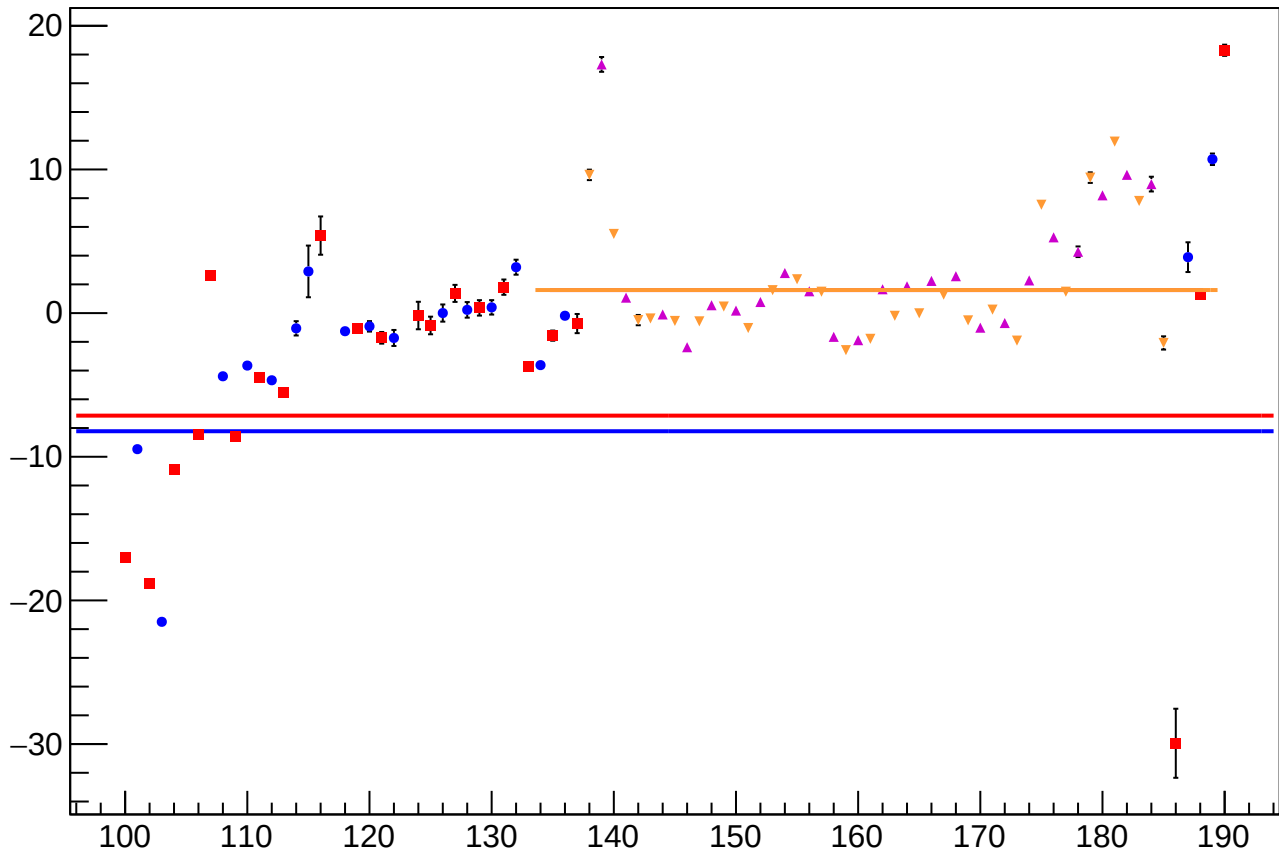
Left In: -9.131 ± 0.075 χ^2/NDF : 10390.6/22

+ sign -4.192 ± 0.043 χ^2/NDF : 21860.5/42

All: -3.667 ± 0.030 χ^2/NDF : 44736.4/87

- sign -3.199 ± 0.041 χ^2/NDF : 22596.1/44

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.223+/-0.056 χ^2 /NDF: 16269.0/17

Left Out: 1.606+/-0.055 χ^2 /NDF:4677.2/24

Right Out: -7.137+/-0.056 χ^2 /NDF: 20032.0/21

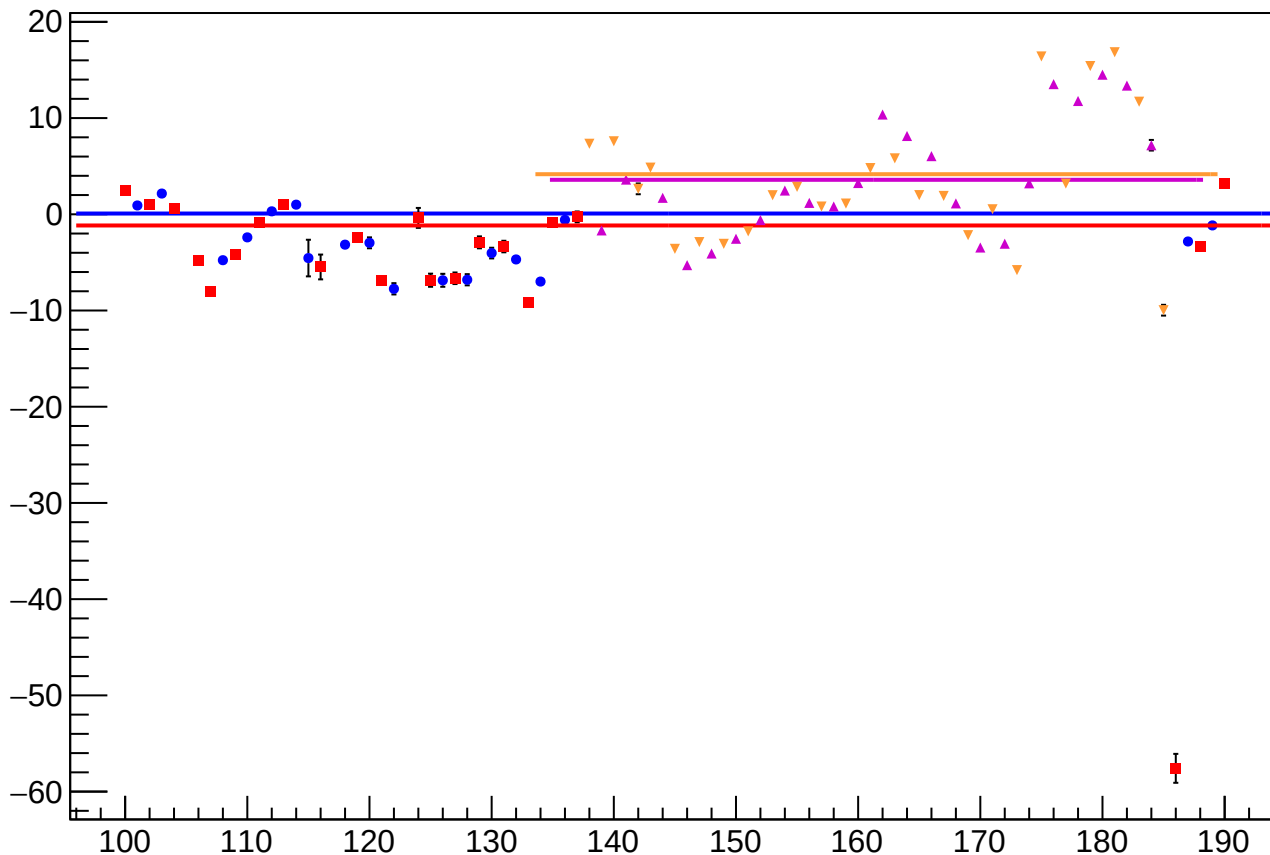
Left In: 1.605+/-0.058 χ^2 /NDF:3656.4/22

+ sign -3.211+/-0.039 χ^2 /NDF: 36497.4/42

All: -3.069+/-0.028 χ^2 /NDF: 72110.9/87

- sign -2.923+/-0.040 χ^2 /NDF: 35587.1/44

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.080 ± 0.052 χ^2/NDF : 2006.9/17

Left Out: 4.167 ± 0.072 χ^2/NDF : 9246.5/24

Right Out: -1.162 ± 0.050 χ^2/NDF : 4786.5/21

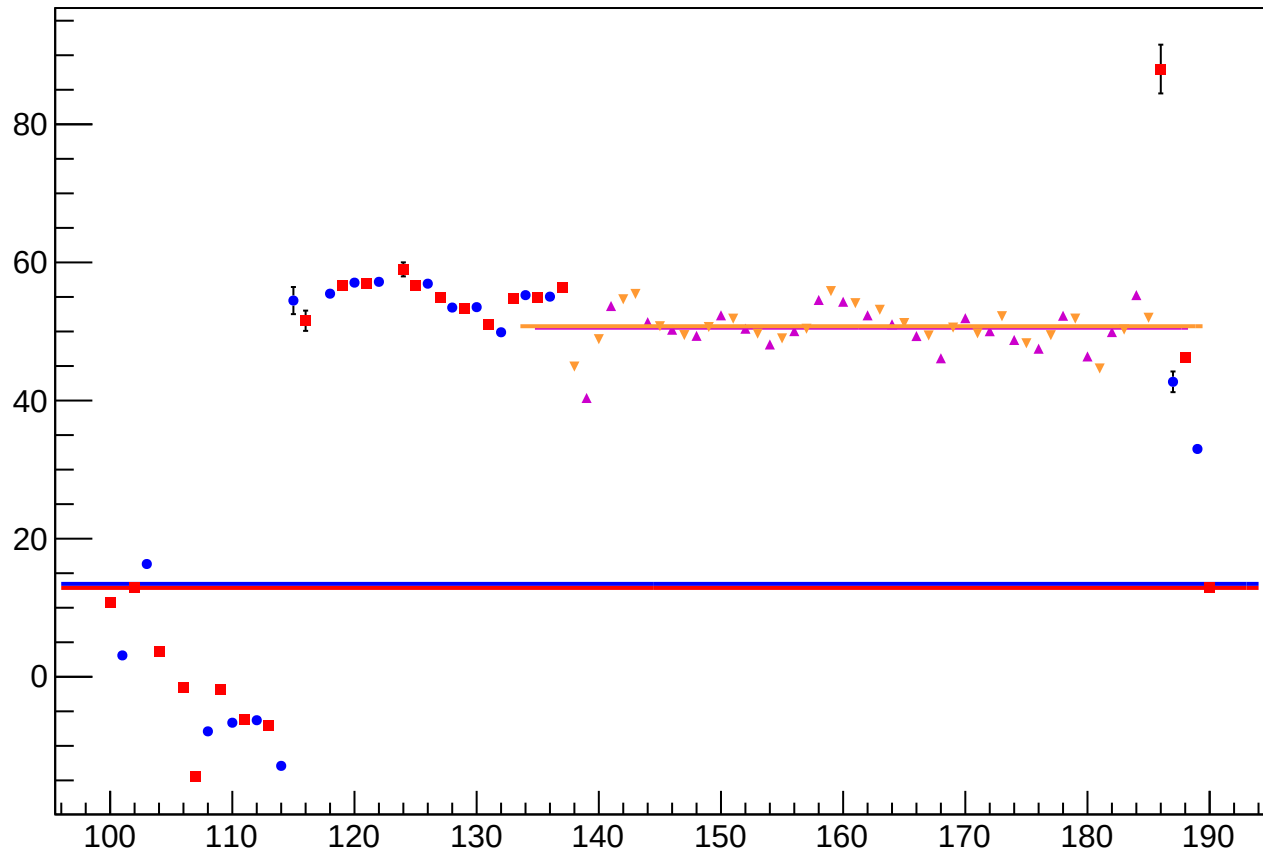
Left In: 3.584 ± 0.074 χ^2/NDF : 7228.4/22

+ sign 1.479 ± 0.042 χ^2/NDF : 13366.5/42

All: 0.886 ± 0.030 χ^2/NDF : 28602.6/87

- sign 0.318 ± 0.041 χ^2/NDF : 14849.4/44

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.455 $\pm$ 0.067 χ^2 /NDF: 110071.2/17

Left Out: 50.761 $\pm$ 0.062 χ^2 /NDF:1748.6/24

Right Out: 12.870 $\pm$ 0.067 χ^2 /NDF: 126241.1/21

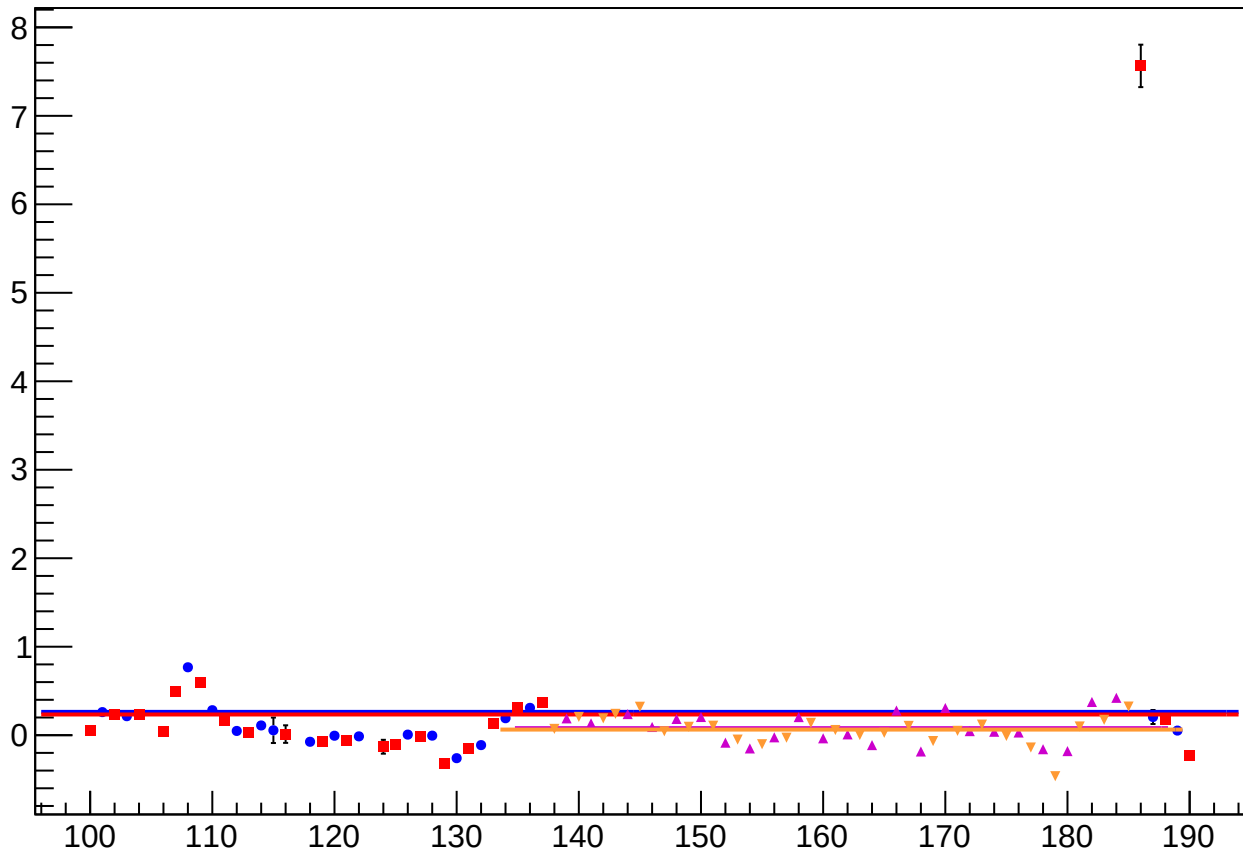
Left In: 50.550 $\pm$ 0.065 χ^2 /NDF:1717.7/22

+ sign 33.540 $\pm$ 0.046 χ^2 /NDF: 276616.8/42

All: 32.885 $\pm$ 0.033 χ^2 /NDF: 569684.6/87

- sign 32.214 $\pm$ 0.046 χ^2 /NDF: 292654.5/44

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.263+/-0.003 χ^2/NDF : 3834.4/17

Left Out: 0.063+/-0.003 χ^2/NDF : 2566.7/24

Right Out: 0.234+/-0.003 χ^2/NDF : 3682.0/21

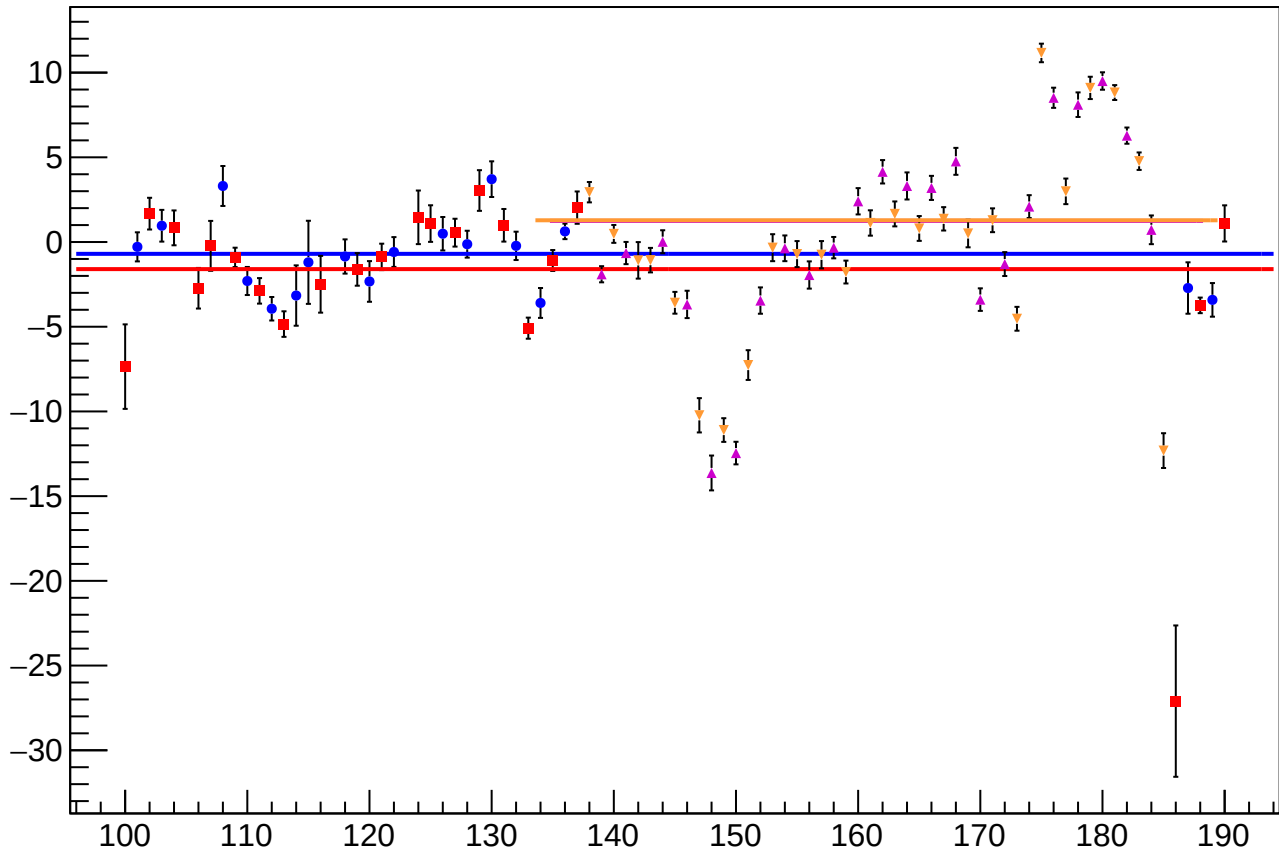
Left In: 0.080+/-0.003 χ^2/NDF : 3446.5/22

+ sign 0.164+/-0.002 χ^2/NDF : 8995.8/42

All: 0.162+/-0.001 χ^2/NDF : 17689.9/87

- sign 0.161+/-0.002 χ^2/NDF : 8692.3/44

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.698 ± 0.210 χ^2/NDF : 92.6/17

Left Out: 1.283 ± 0.137 χ^2/NDF : 1715.5/24

Right Out: -1.599 ± 0.184 χ^2/NDF : 195.0/21

Left In: 1.247 ± 0.140 χ^2/NDF : 1512.4/22

+ sign 0.692 ± 0.115 χ^2/NDF : 1870.6/42

All: 0.439 ± 0.080 χ^2/NDF : 3738.7/87

- sign 0.199 ± 0.112 χ^2/NDF : 1858.6/44

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -62.008 ± 0.214 $\chi^2/\text{NDF}: 3575.8/17$

Left Out: -56.680 ± 0.107 $\chi^2/\text{NDF}: 1014.5/24$

Right Out: -60.591 ± 0.195 $\chi^2/\text{NDF}: 4521.1/21$

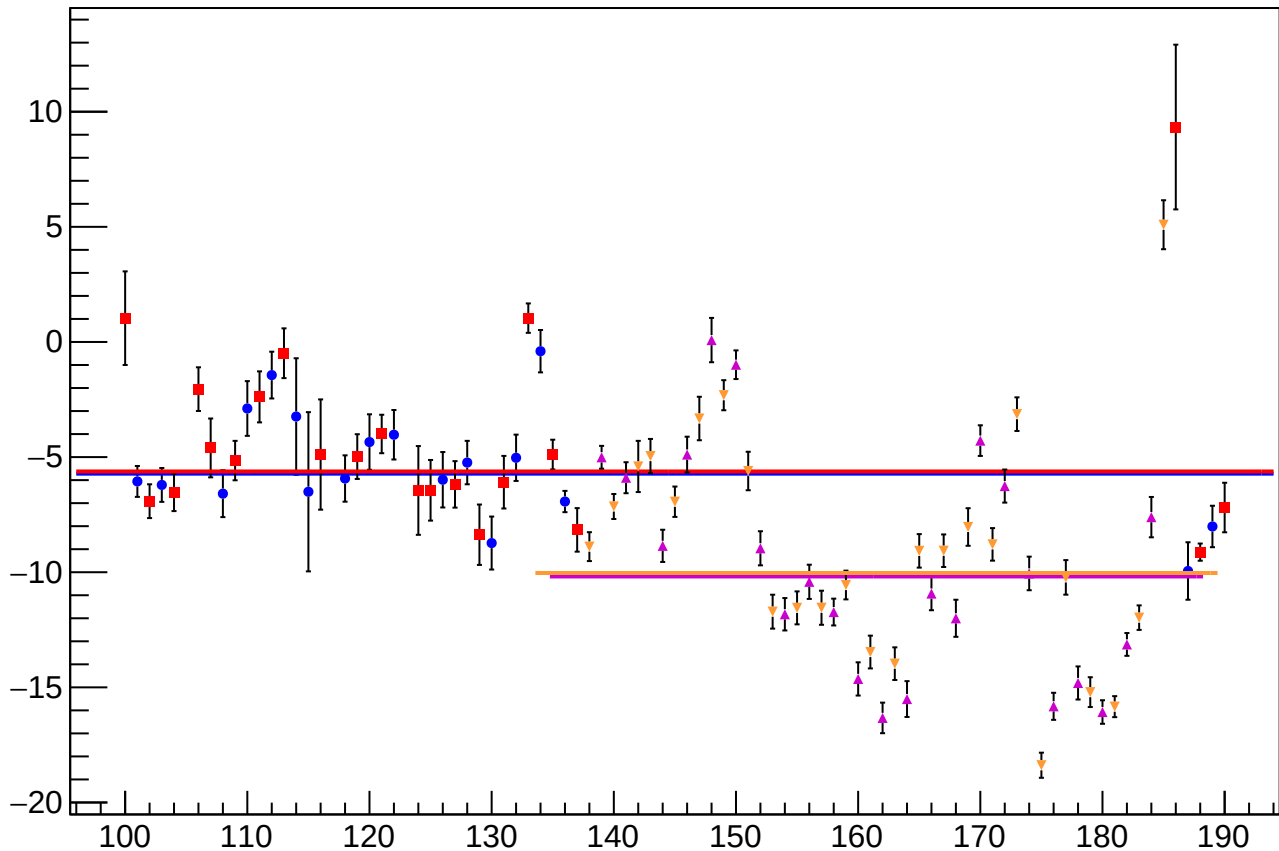
Left In: -56.765 ± 0.112 $\chi^2/\text{NDF}: 1108.9/22$

+ sign -57.750 ± 0.096 $\chi^2/\text{NDF}: 5085.8/42$

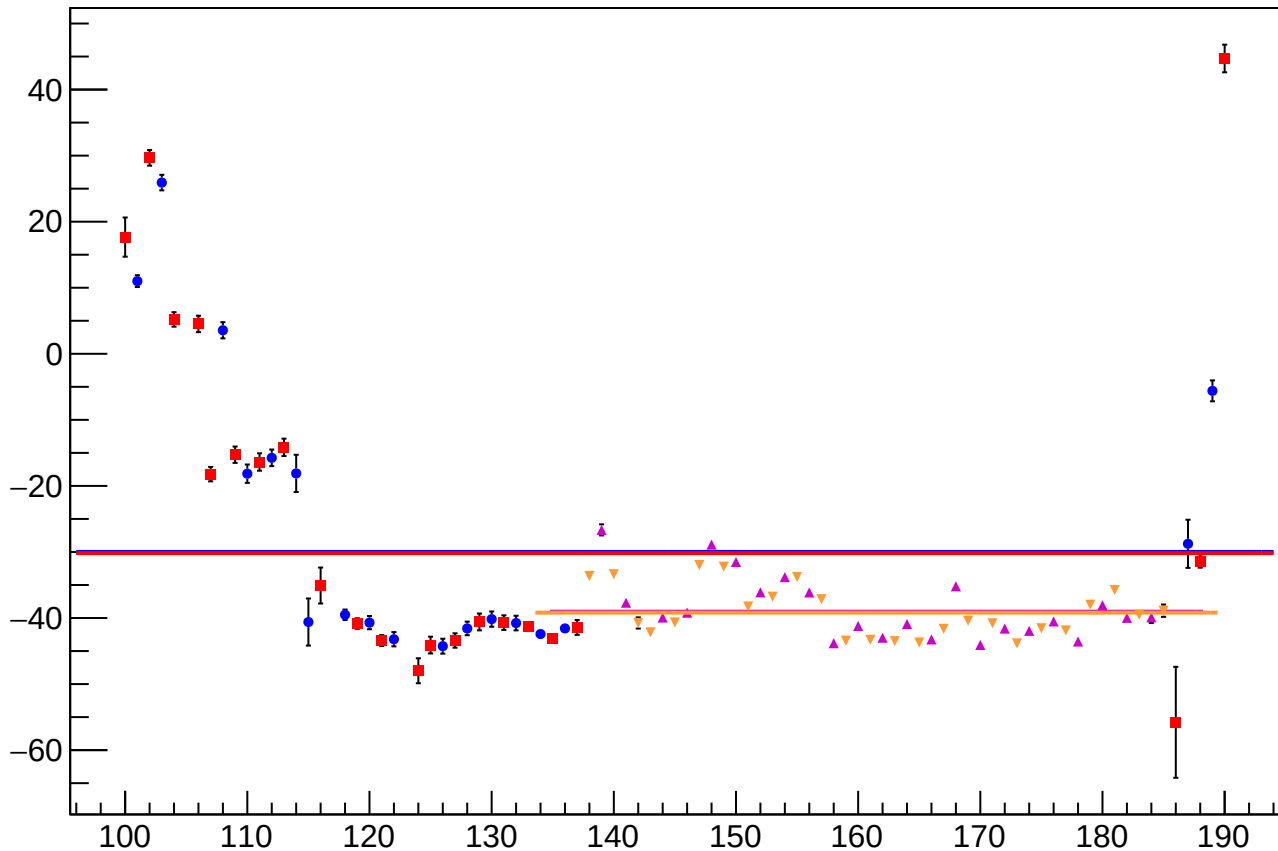
All: -57.732 ± 0.068 $\chi^2/\text{NDF}: 11005.1/87$

- sign -57.713 ± 0.097 $\chi^2/\text{NDF}: 5919.2/44$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -29.996 ± 0.246 χ^2/NDF : 7180.7/17

Left Out: -39.183 ± 0.120 χ^2/NDF : 1034.1/24

Right Out: -30.177 ± 0.230 χ^2/NDF : 8282.8/21

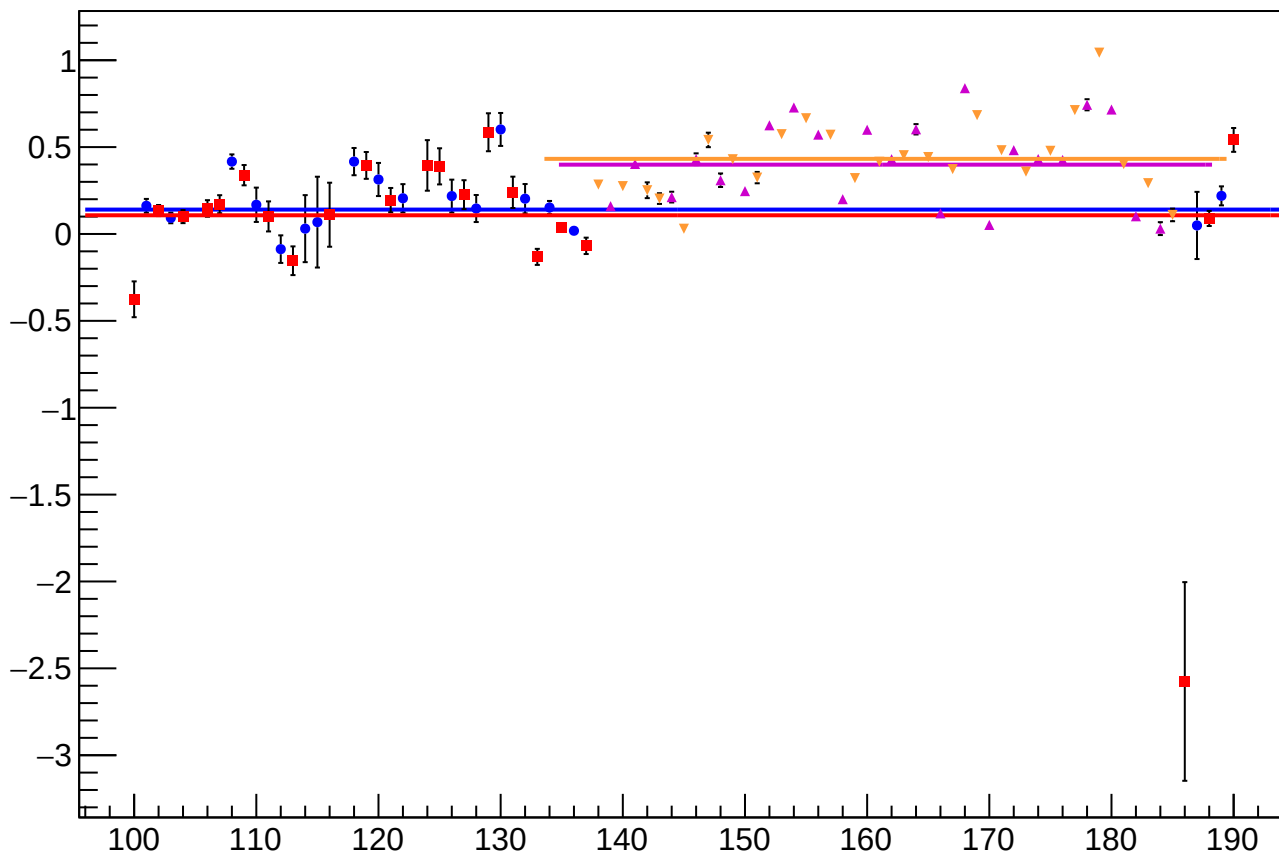
Left In: -39.044 ± 0.124 χ^2/NDF : 1226.4/22

+ sign -37.415 ± 0.108 χ^2/NDF : 9342.9/42

All: -37.229 ± 0.077 χ^2/NDF : 20010.2/87

- sign -37.038 ± 0.109 χ^2/NDF : 10661.3/44

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.140 ± 0.012 χ^2/NDF : 131.7/17

Left Out: 0.432 ± 0.005 χ^2/NDF : 1368.7/24

Right Out: 0.108 ± 0.012 χ^2/NDF : 210.7/21

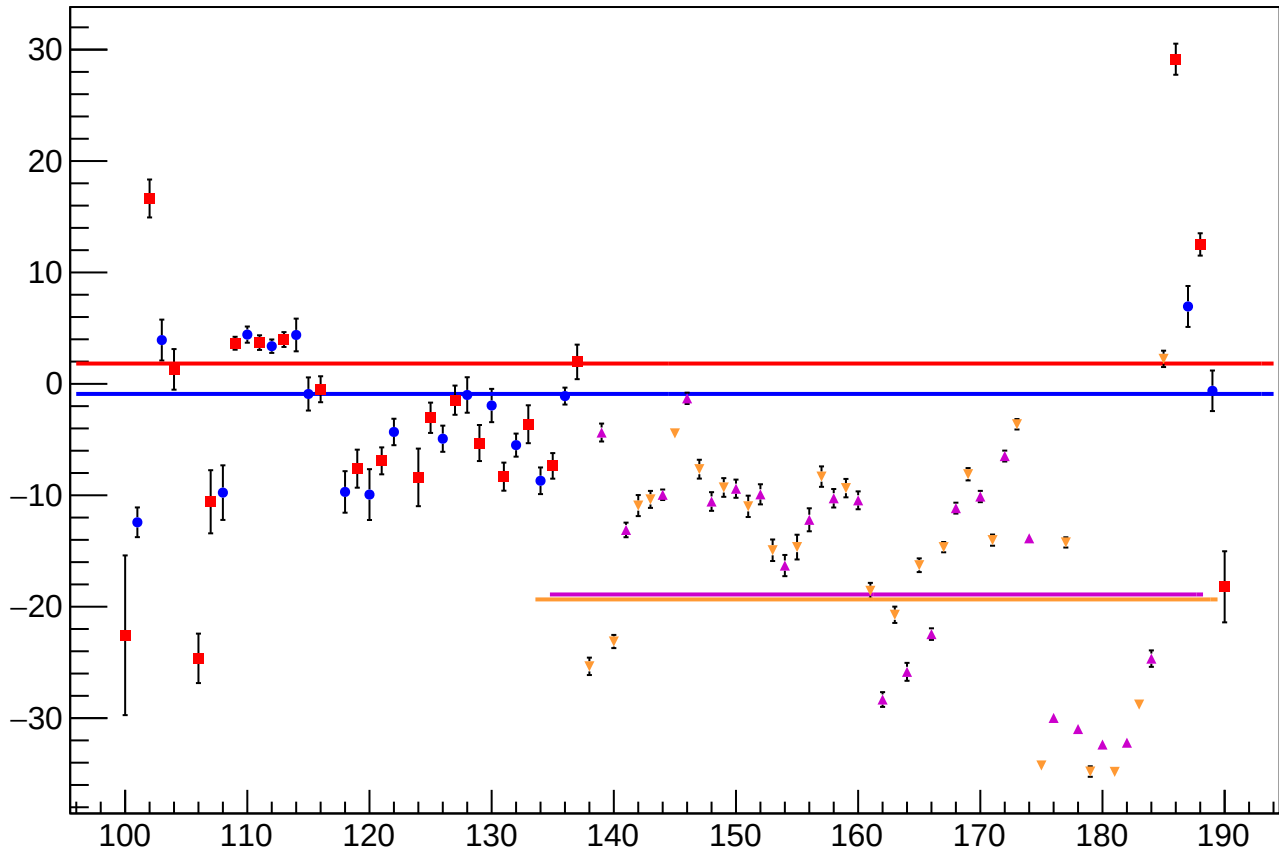
Left In: 0.399 ± 0.005 χ^2/NDF : 1923.8/22

+ sign 0.386 ± 0.005 χ^2/NDF : 1984.4/42

All: 0.367 ± 0.003 χ^2/NDF : 4661.2/87

- sign 0.349 ± 0.005 χ^2/NDF : 2647.8/44

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -0.903 ± 0.274 χ^2/NDF : 350.7/17

Left Out: -19.347 ± 0.113 χ^2/NDF : 10394.7/24

Right Out: 1.824 ± 0.252 χ^2/NDF : 1093.5/21

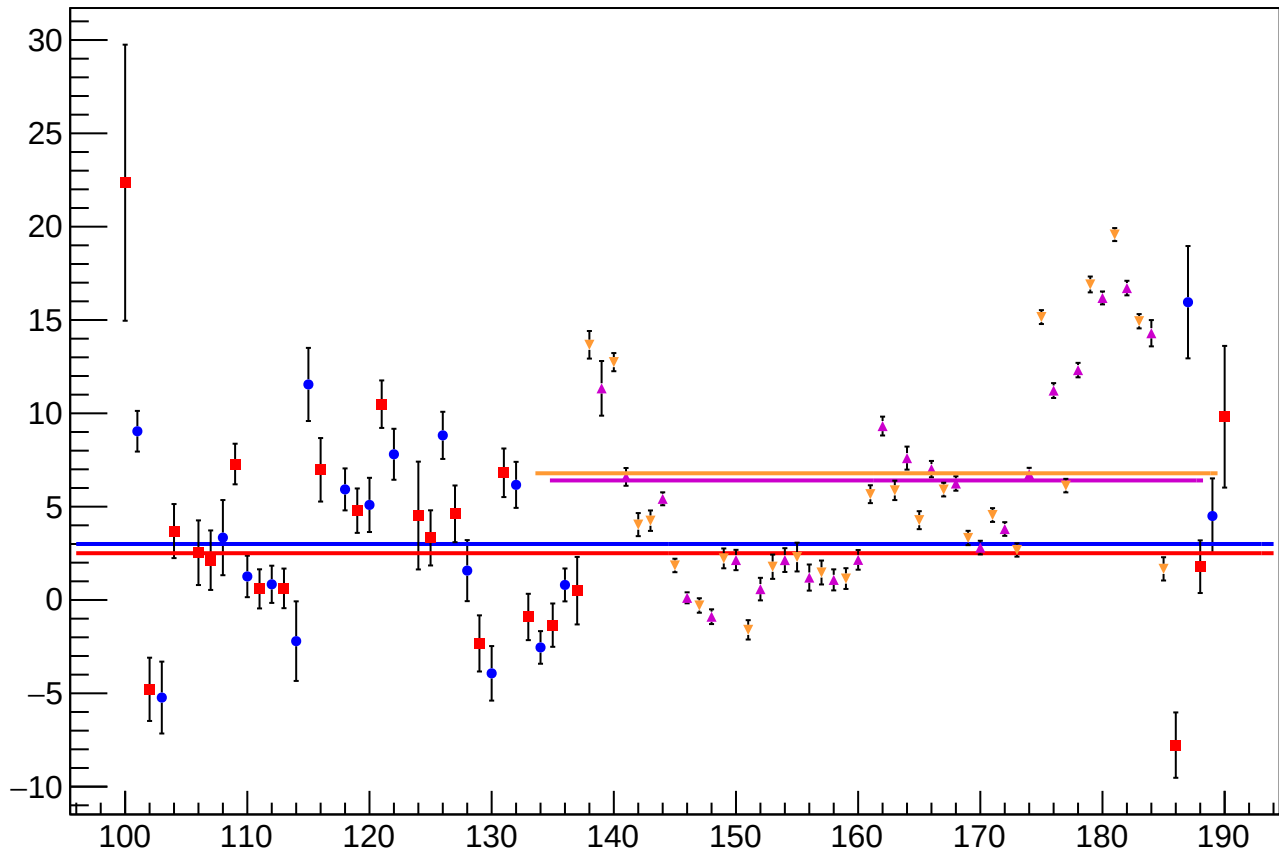
Left In: -18.902 ± 0.116 χ^2/NDF : 8286.2/22

+ sign -16.655 ± 0.105 χ^2/NDF : 14609.8/42

All: -15.970 ± 0.074 χ^2/NDF : 29646.9/87

- sign -15.276 ± 0.105 χ^2/NDF : 14951.2/44

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.000 ± 0.308 χ^2/NDF : 219.0/17

Left Out: 6.788 ± 0.090 χ^2/NDF : 4632.5/24

Right Out: 2.506 ± 0.308 χ^2/NDF : 184.5/21

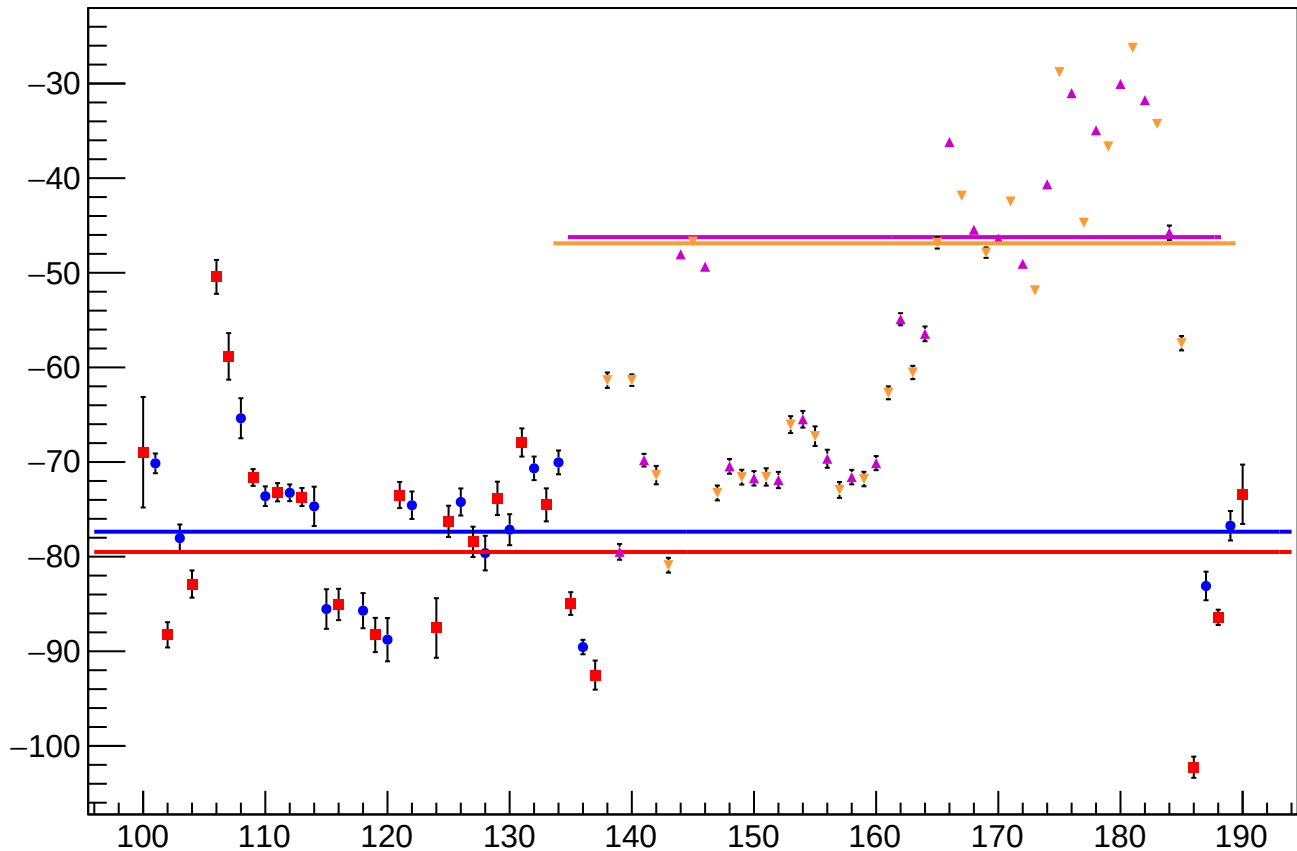
Left In: 6.404 ± 0.091 χ^2/NDF : 3410.4/22

+ sign 6.489 ± 0.086 χ^2/NDF : 4990.8/42

All: 6.292 ± 0.062 χ^2/NDF : 8743.2/87

- sign 6.090 ± 0.087 χ^2/NDF : 3741.9/44

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.363 ± 0.312 $\chi^2/\text{NDF}: 518.4/17$

Left Out: -46.883 ± 0.114 $\chi^2/\text{NDF}: 17974.5/24$

Right Out: -79.504 ± 0.292 $\chi^2/\text{NDF}: 1270.1/21$

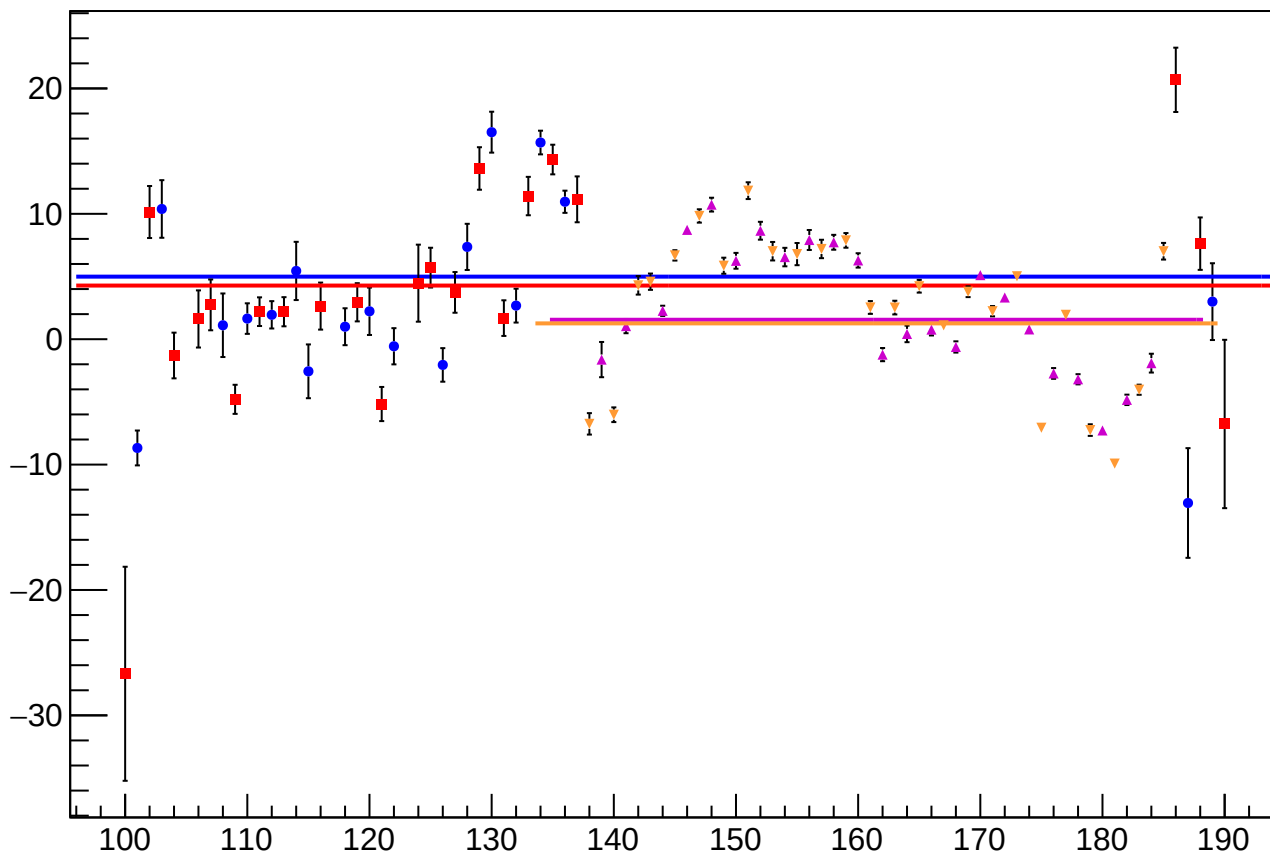
Left In: -46.231 ± 0.116 $\chi^2/\text{NDF}: 15169.3/22$

+ sign -50.458 ± 0.107 $\chi^2/\text{NDF}: 26893.3/42$

All: -50.614 ± 0.076 $\chi^2/\text{NDF}: 54518.3/87$

- sign -50.774 ± 0.108 $\chi^2/\text{NDF}: 27620.8/44$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.991 ± 0.346 χ^2/NDF : 430.0/17

Left Out: 1.261 ± 0.100 χ^2/NDF : 3445.7/24

Right Out: 4.278 ± 0.352 χ^2/NDF : 338.8/21

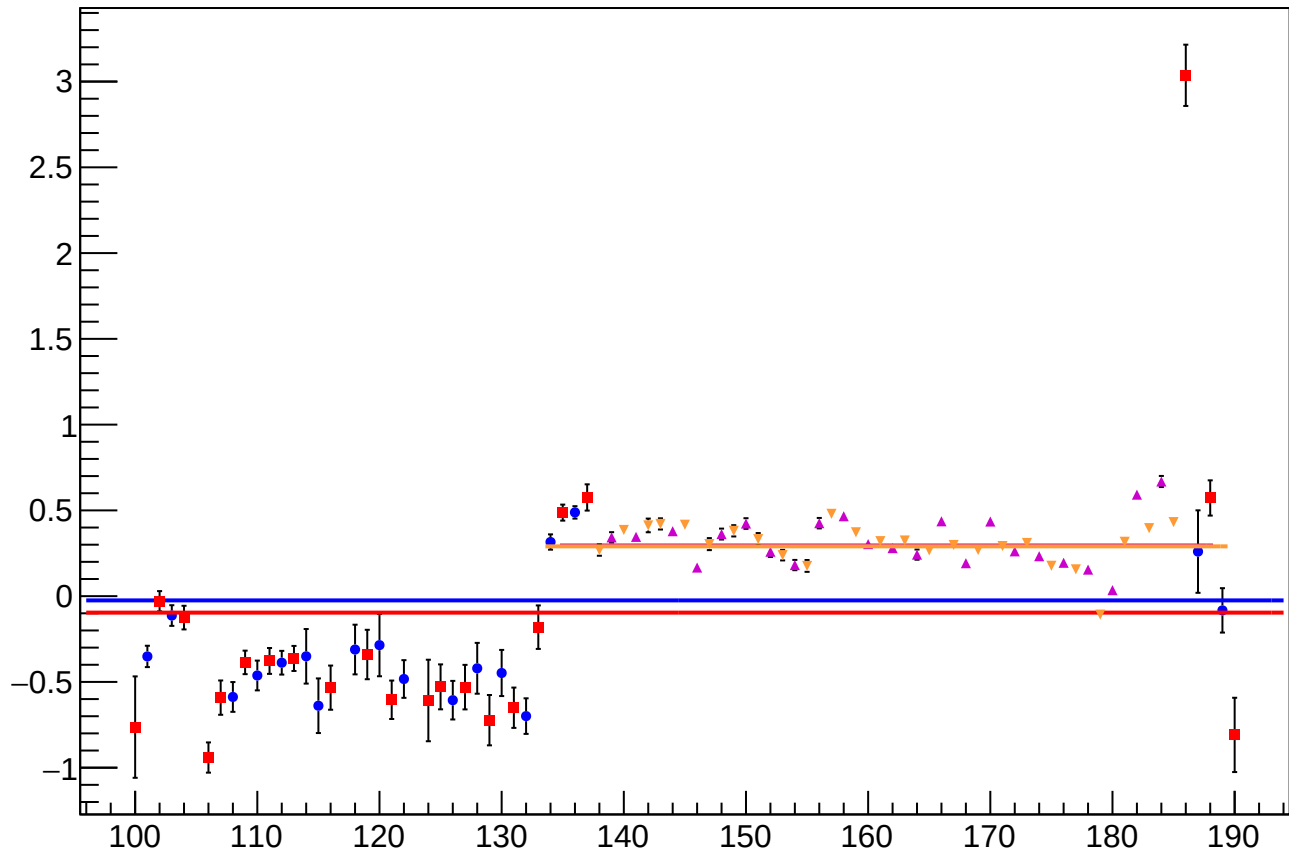
Left In: 1.551 ± 0.102 χ^2/NDF : 2335.7/22

+ sign 1.550 ± 0.096 χ^2/NDF : 3982.6/42

All: 1.655 ± 0.069 χ^2/NDF : 6714.7/87

- sign 1.762 ± 0.098 χ^2/NDF : 2729.8/44

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.025 ± 0.019 χ^2/NDF : 514.1/17

Left Out: 0.290 ± 0.004 χ^2/NDF : 719.3/24

Right Out: -0.096 ± 0.020 χ^2/NDF : 864.2/21

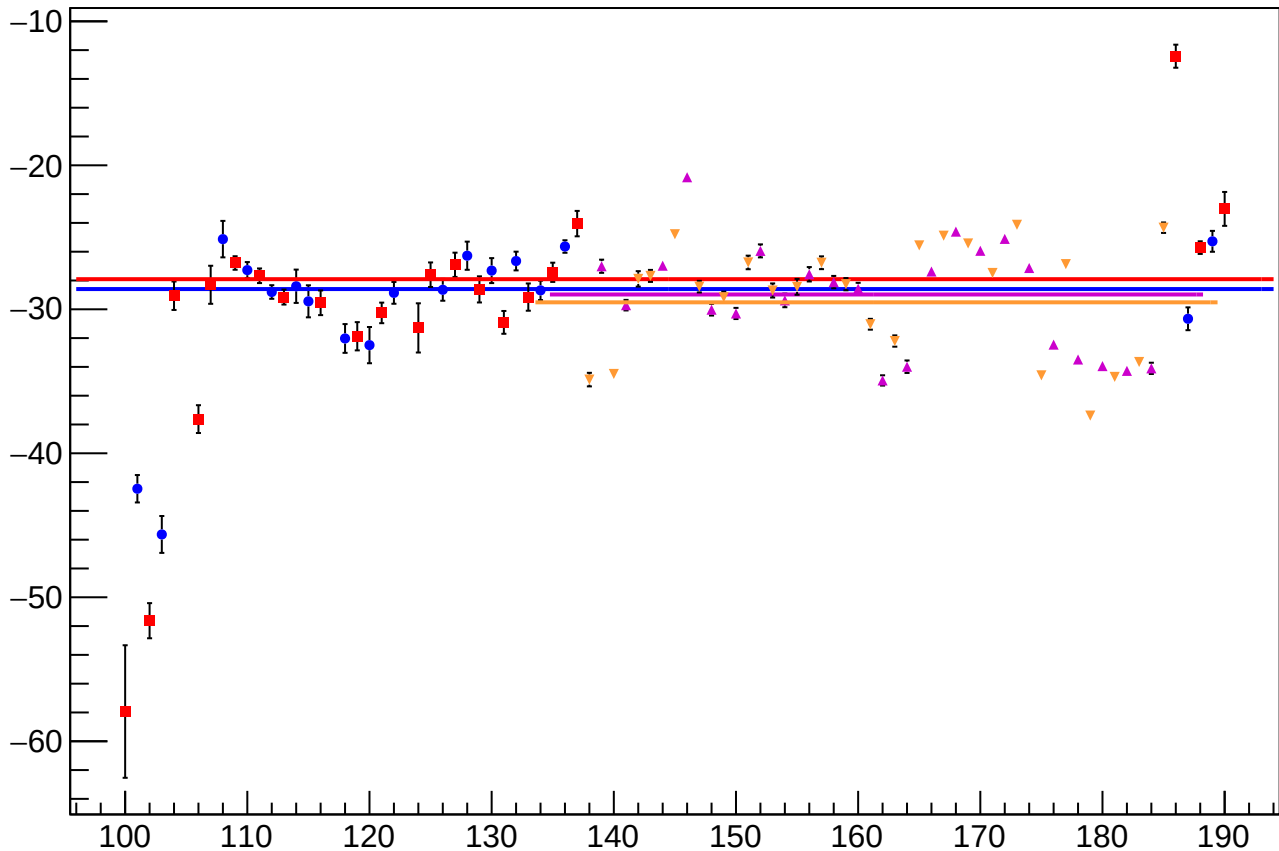
Left In: 0.295 ± 0.005 χ^2/NDF : 1035.4/22

+ sign 0.273 ± 0.004 χ^2/NDF : 1502.2/42

All: 0.274 ± 0.003 χ^2/NDF : 3779.0/87

- sign 0.275 ± 0.004 χ^2/NDF : 2276.7/44

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.594 ± 0.176 $\chi^2/\text{NDF}: 515.2/17$

Left Out: -29.516 ± 0.056 $\chi^2/\text{NDF}: 6088.5/24$

Right Out: -27.908 ± 0.162 $\chi^2/\text{NDF}: 1023.0/21$

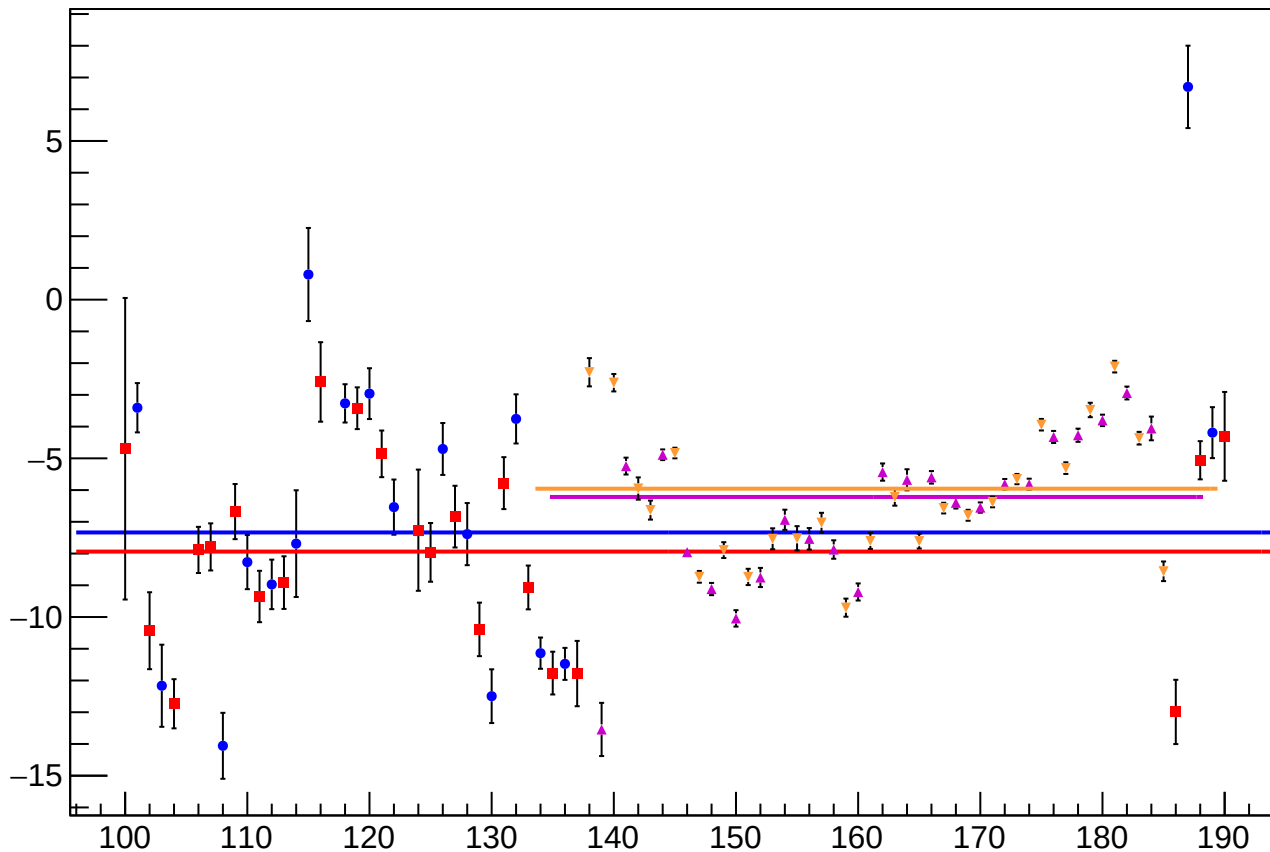
Left In: -28.971 ± 0.057 $\chi^2/\text{NDF}: 5348.6/22$

+ sign -29.430 ± 0.054 $\chi^2/\text{NDF}: 6628.7/42$

All: -29.143 ± 0.038 $\chi^2/\text{NDF}: 13095.9/87$

- sign -28.854 ± 0.054 $\chi^2/\text{NDF}: 6409.8/44$

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.335 ± 0.187 χ^2/NDF : 522.1/17

Left Out: -5.956 ± 0.044 χ^2/NDF : 1857.8/24

Right Out: -7.938 ± 0.182 χ^2/NDF : 252.8/21

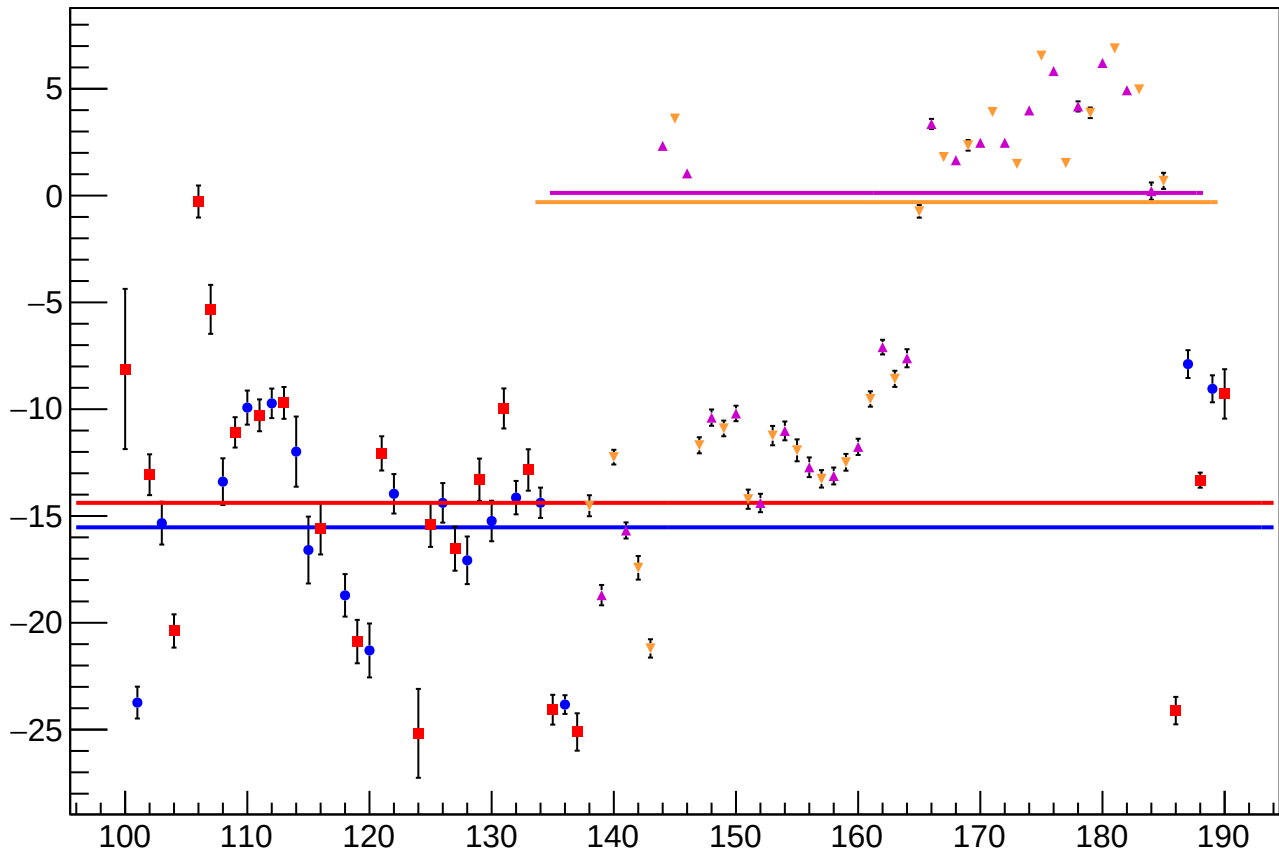
Left In: -6.217 ± 0.044 χ^2/NDF : 1741.8/22

+ sign -6.029 ± 0.043 χ^2/NDF : 2431.2/42

All: -6.172 ± 0.030 χ^2/NDF : 4531.5/87

- sign -6.312 ± 0.043 χ^2/NDF : 2078.7/44

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -15.531 ± 0.190 $\chi^2/\text{NDF}: 895.7/17$

Left Out: -0.306 ± 0.057 $\chi^2/\text{NDF}: 17181.6/24$

Right Out: -14.384 ± 0.171 $\chi^2/\text{NDF}: 1280.9/21$

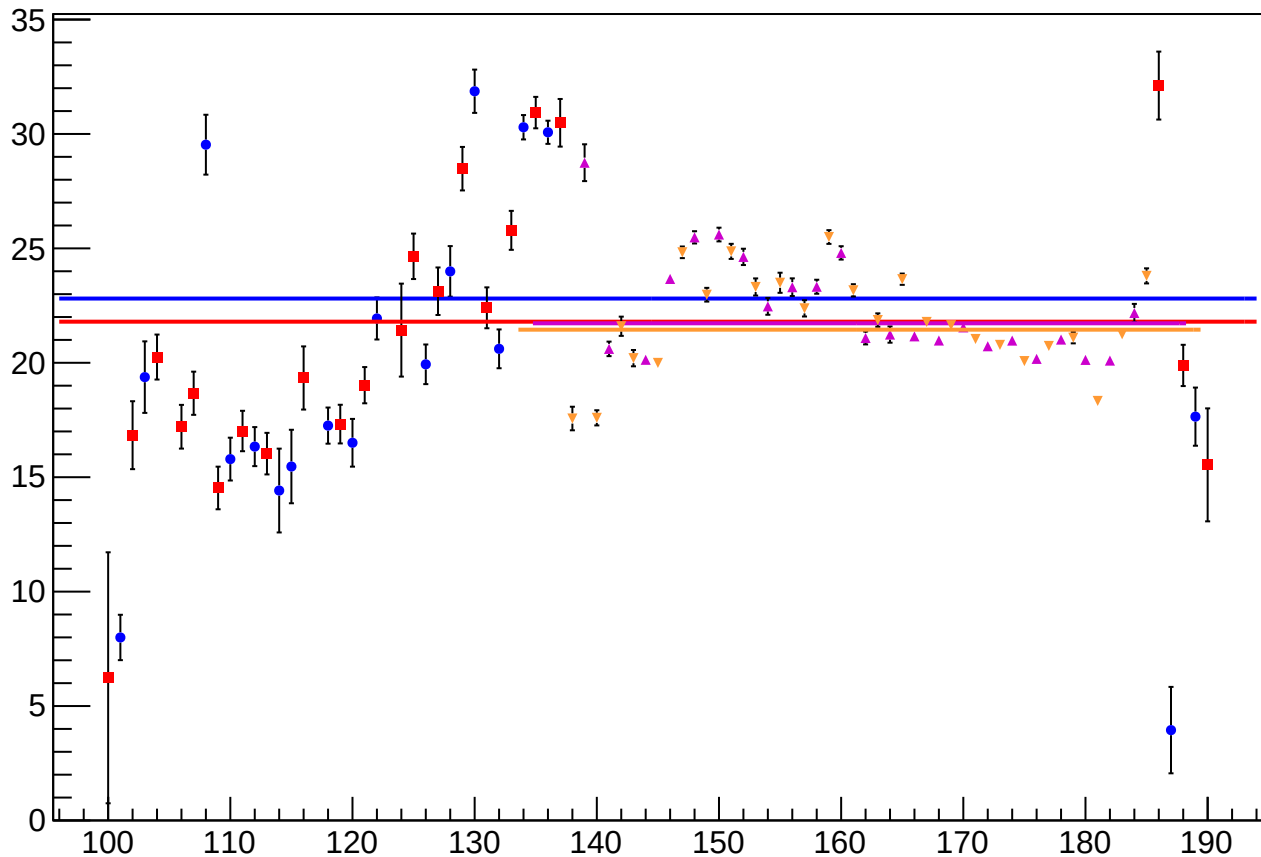
Left In: 0.125 ± 0.057 $\chi^2/\text{NDF}: 13838.6/22$

+ sign -1.544 ± 0.054 $\chi^2/\text{NDF}: 23970.4/42$

All: -1.432 ± 0.038 $\chi^2/\text{NDF}: 45549.0/87$

- sign -1.320 ± 0.054 $\chi^2/\text{NDF}: 21570.0/44$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.808 $\pm$ 0.214 χ^2 /NDF: 1127.9/17

Left Out: 21.447 $\pm$ 0.050 χ^2 /NDF:1325.2/24

Right Out: 21.797 $\pm$ 0.215 χ^2 /NDF: 617.5/21

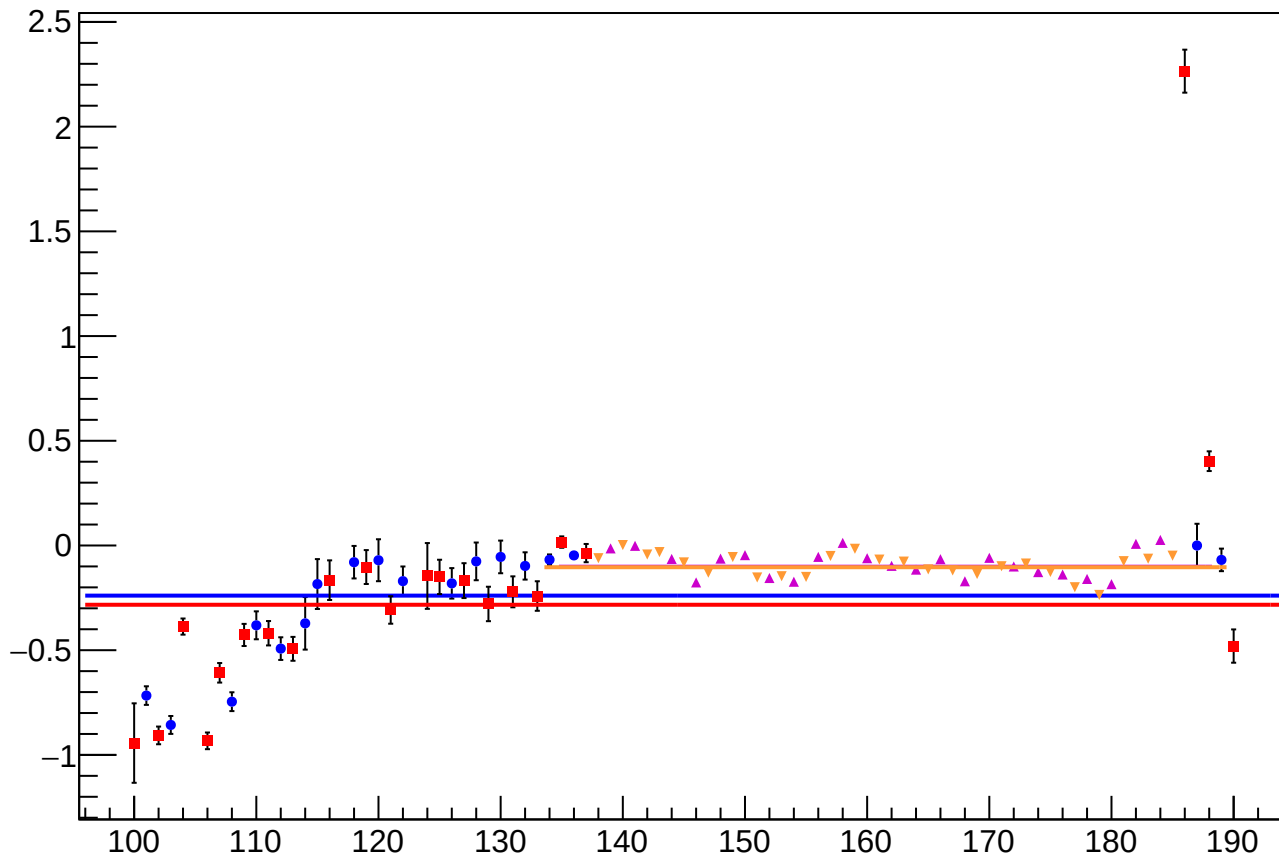
Left In: 21.725 $\pm$ 0.050 χ^2 /NDF:1173.7/22

+ sign 21.516 $\pm$ 0.048 χ^2 /NDF: 2491.6/42

All: 21.622 $\pm$ 0.034 χ^2 /NDF: 4292.6/87

- sign 21.729 $\pm$ 0.048 χ^2 /NDF: 1791.3/44

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.239 ± 0.011 χ^2/NDF : 649.8/17

Left Out: -0.104 ± 0.002 χ^2/NDF : 547.4/24

Right Out: -0.283 ± 0.012 χ^2/NDF : 1580.3/21

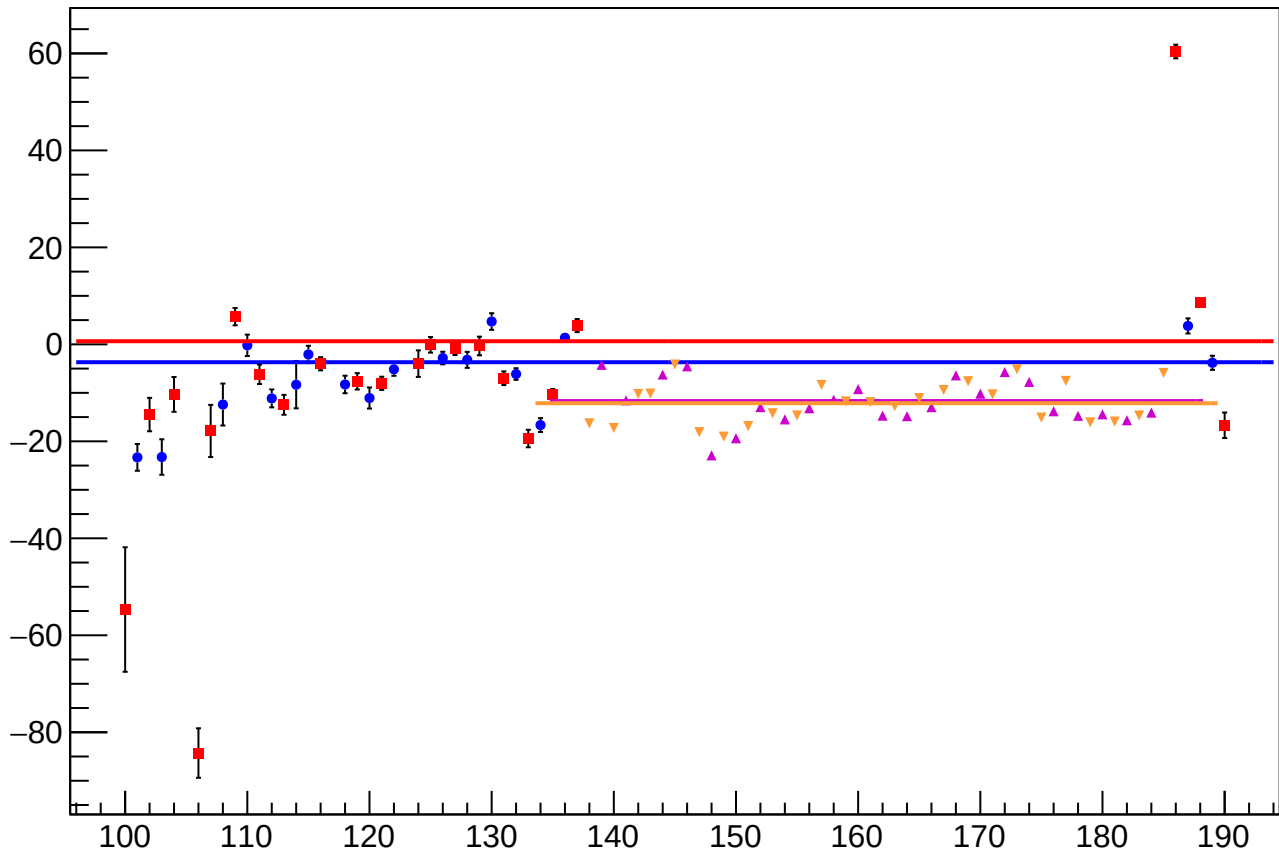
Left In: -0.101 ± 0.002 χ^2/NDF : 757.6/22

+ sign -0.109 ± 0.002 χ^2/NDF : 1335.3/42

All: -0.108 ± 0.002 χ^2/NDF : 3904.9/87

- sign -0.108 ± 0.002 χ^2/NDF : 2569.5/44

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -3.684 ± 0.359 χ^2/NDF : 312.3/17

Left Out: -12.143 ± 0.092 χ^2/NDF : 2130.5/24

Right Out: 0.644 ± 0.350 χ^2/NDF : 2678.6/21

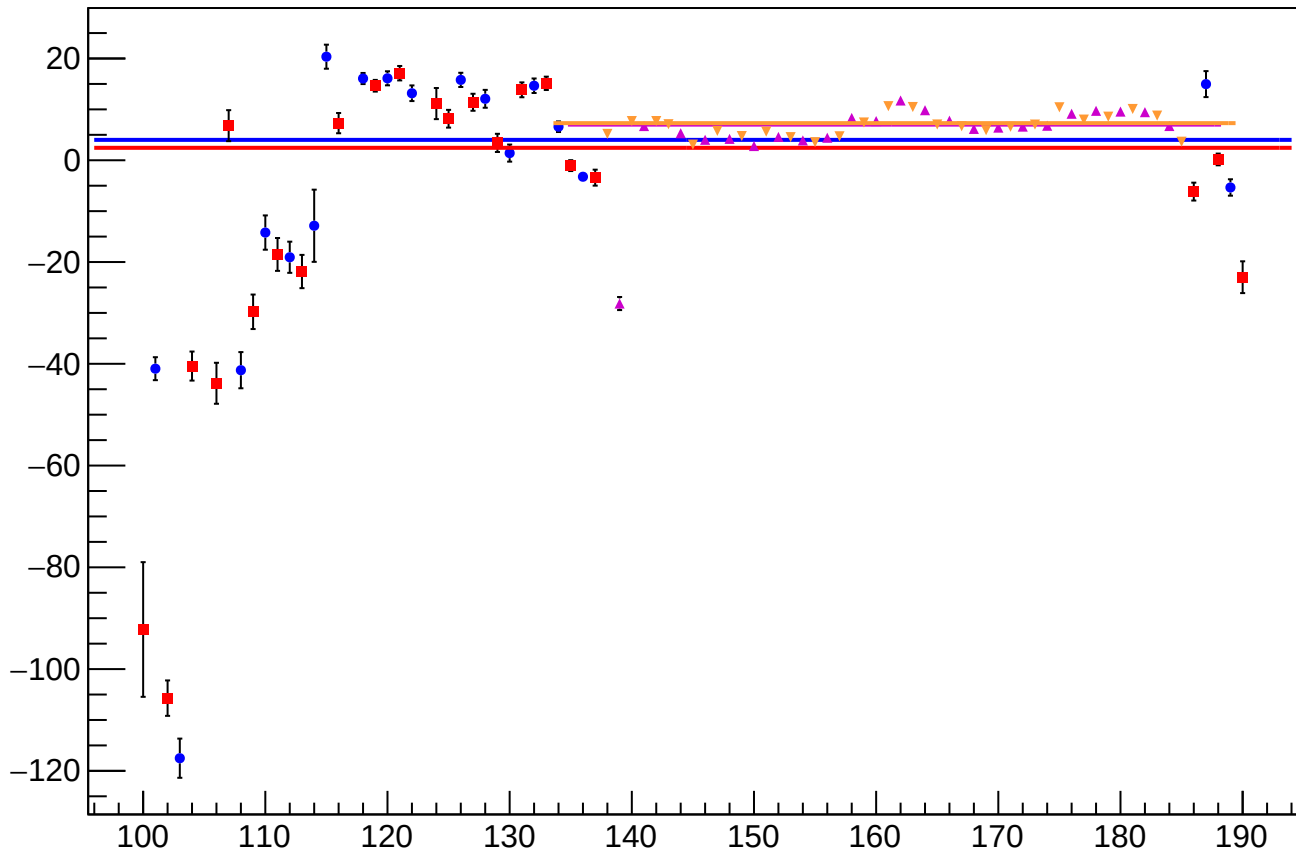
Left In: -11.698 ± 0.094 χ^2/NDF : 1951.0/22

+ sign -11.628 ± 0.089 χ^2/NDF : 2963.2/42

All: -11.256 ± 0.064 χ^2/NDF : 8786.4/87

- sign -10.864 ± 0.091 χ^2/NDF : 5787.1/44

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.008 ± 0.371 $\chi^2/\text{NDF}: 2221.7/17$

Left Out: 7.297 ± 0.075 $\chi^2/\text{NDF}: 822.9/24$

Right Out: 2.447 ± 0.384 $\chi^2/\text{NDF}: 2110.4/21$

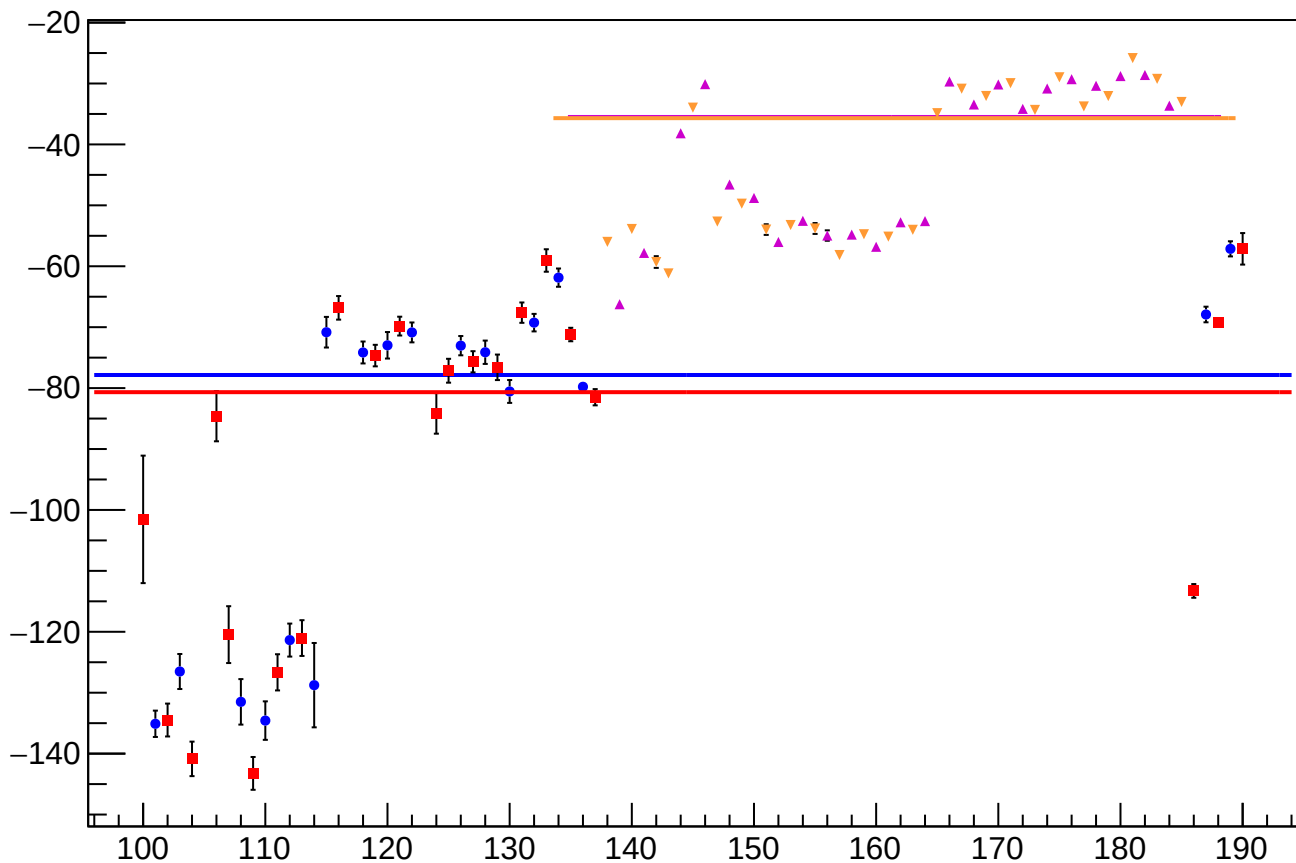
Left In: 7.004 ± 0.076 $\chi^2/\text{NDF}: 1576.0/22$

+ sign 7.168 ± 0.073 $\chi^2/\text{NDF}: 3120.3/42$

All: 7.003 ± 0.052 $\chi^2/\text{NDF}: 6952.4/87$

- sign 6.833 ± 0.075 $\chi^2/\text{NDF}: 3821.9/44$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -77.849 ± 0.378 $\chi^2/\text{NDF}: 2375.0/17$

Left Out: -35.690 ± 0.092 $\chi^2/\text{NDF}: 12778.3/24$

Right Out: -80.668 ± 0.355 $\chi^2/\text{NDF}: 3521.7/21$

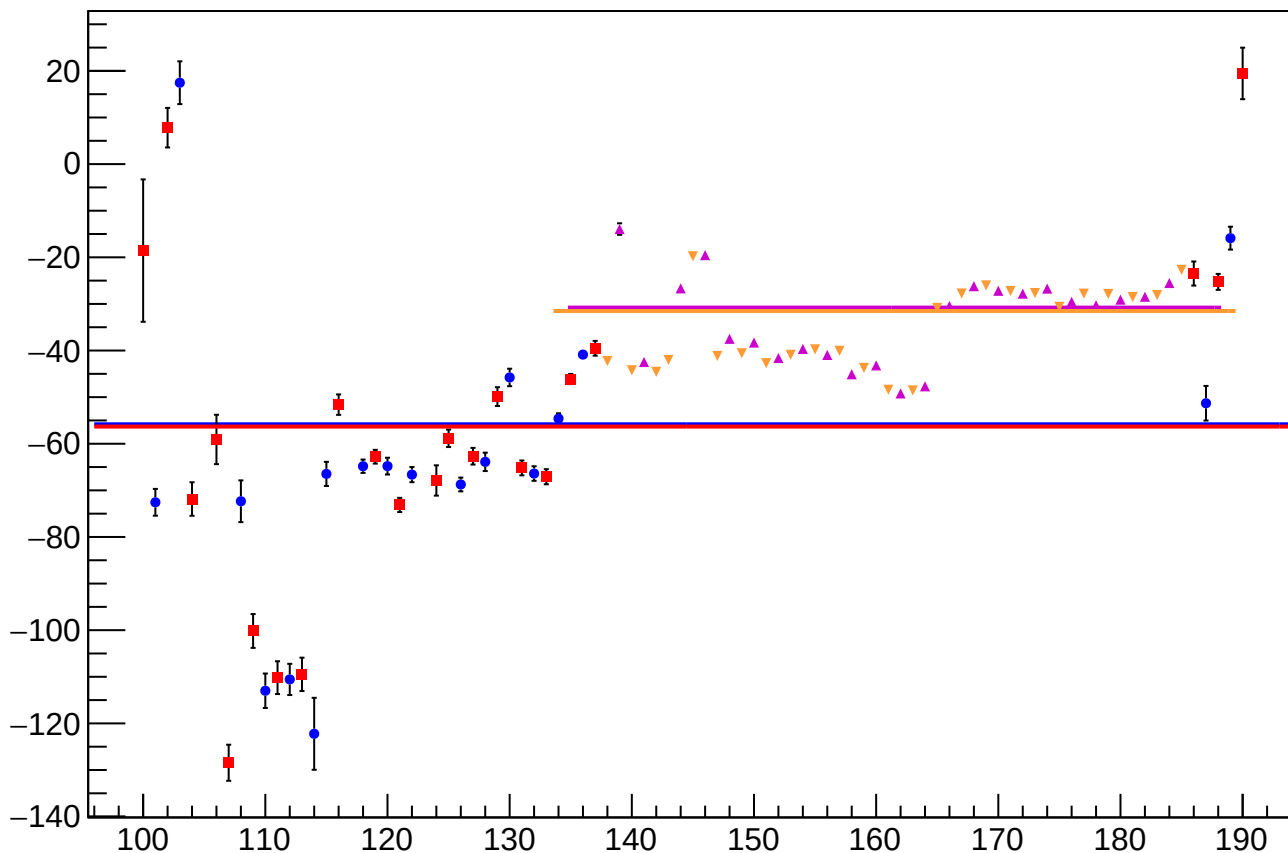
Left In: -35.497 ± 0.095 $\chi^2/\text{NDF}: 11162.0/22$

+ sign -38.063 ± 0.090 $\chi^2/\text{NDF}: 26914.9/42$

All: -38.270 ± 0.064 $\chi^2/\text{NDF}: 56700.7/87$

- sign -38.486 ± 0.091 $\chi^2/\text{NDF}: 29775.0/44$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -55.827 ± 0.417 $\chi^2/\text{NDF}: 1801.9/17$

Left Out: -31.520 ± 0.083 $\chi^2/\text{NDF}: 8457.7/24$

Right Out: -56.311 ± 0.445 $\chi^2/\text{NDF}: 2337.8/21$

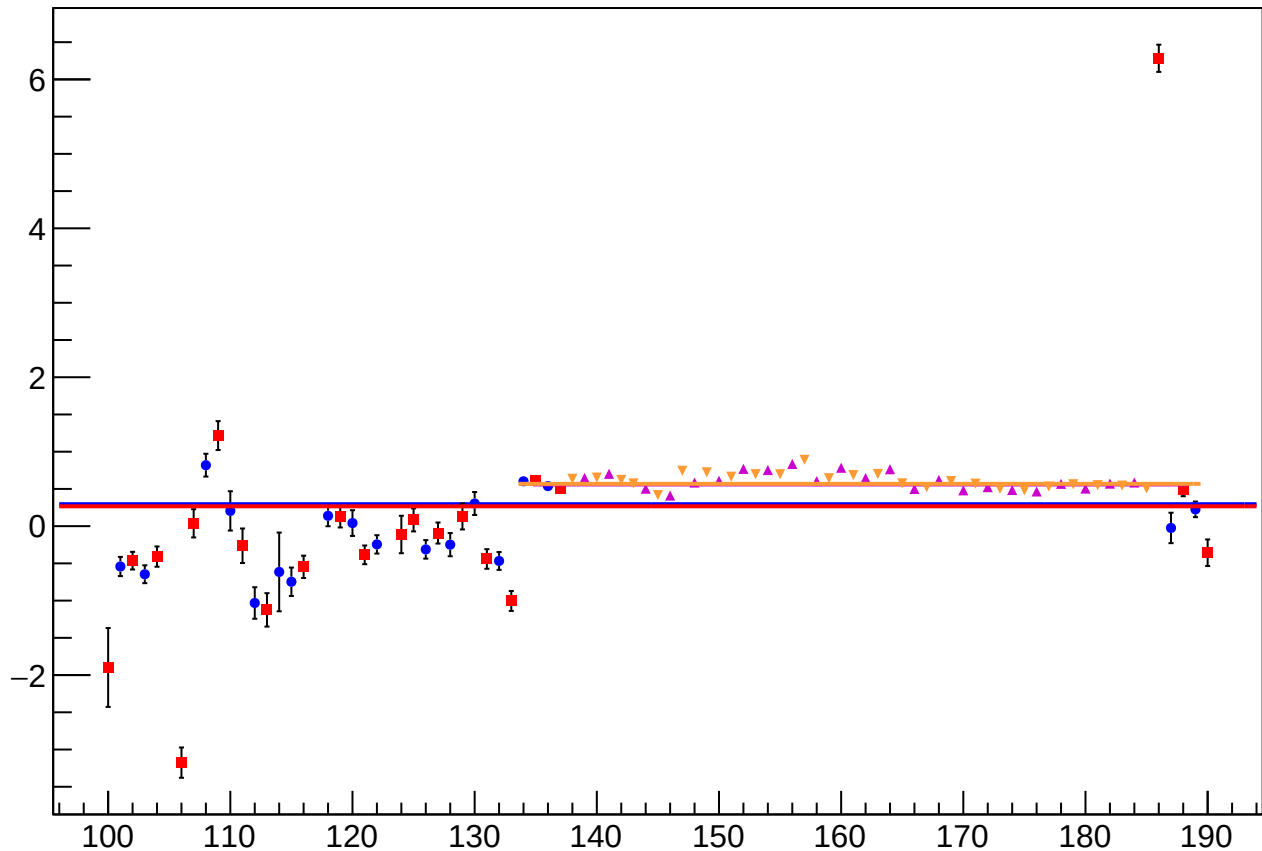
Left In: -30.789 ± 0.084 $\chi^2/\text{NDF}: 7548.8/22$

+ sign -32.443 ± 0.081 $\chi^2/\text{NDF}: 13531.5/42$

All: -32.066 ± 0.058 $\chi^2/\text{NDF}: 26637.9/87$

- sign -31.673 ± 0.083 $\chi^2/\text{NDF}: 13062.4/44$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.295 $\pm$ 0.022 χ^2 /NDF: 377.8/17

Left Out: 0.568 $\pm$ 0.004 χ^2 /NDF:554.5/24

Right Out: 0.266 $\pm$ 0.025 χ^2 /NDF: 1800.0/21

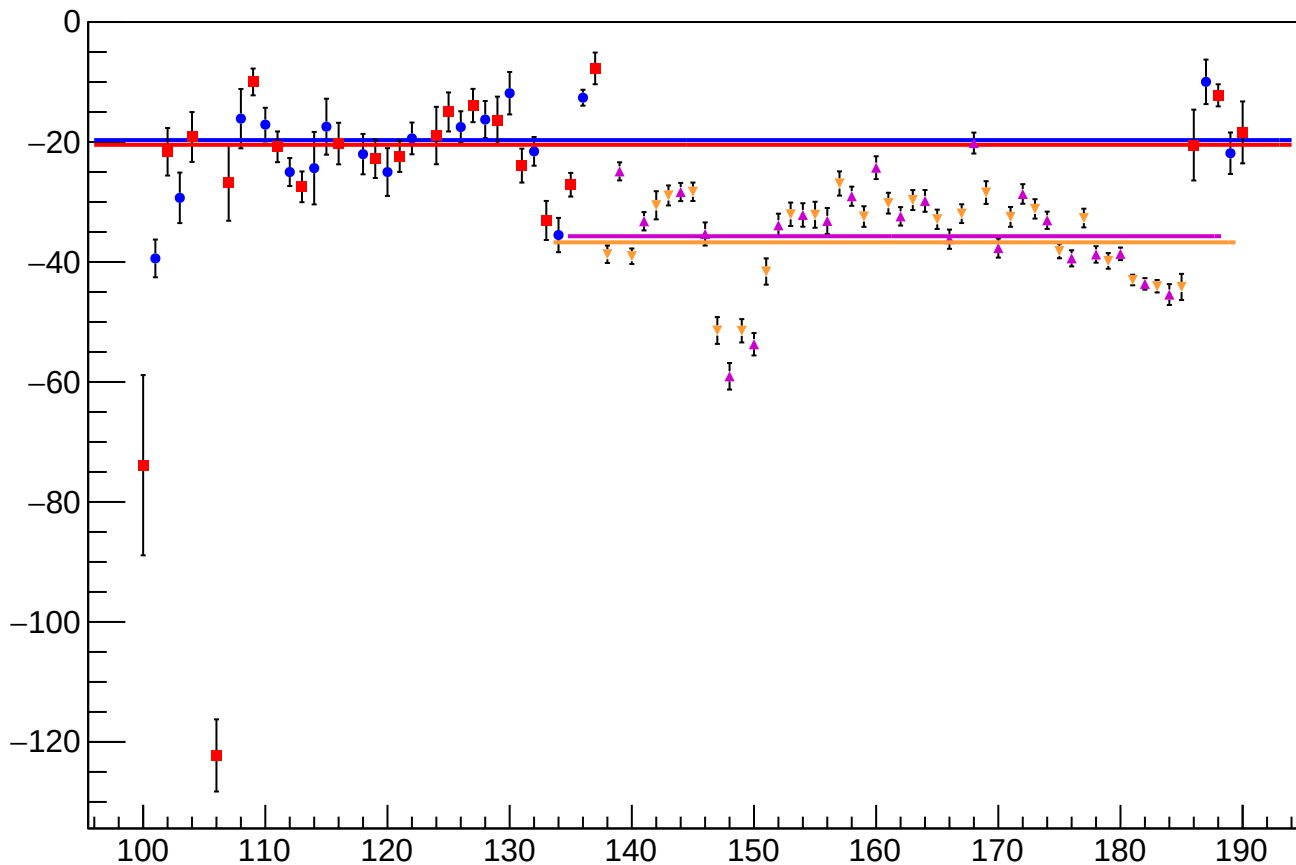
Left In: 0.560 $\pm$ 0.004 χ^2 /NDF:671.5/22

+ sign 0.561 $\pm$ 0.004 χ^2 /NDF: 1078.9/42

All: 0.557 $\pm$ 0.003 χ^2 /NDF: 3689.3/87

- sign 0.553 $\pm$ 0.004 χ^2 /NDF: 2608.3/44

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.683 ± 0.670 $\chi^2/\text{NDF}: 128.0/17$

Left Out: -36.724 ± 0.310 $\chi^2/\text{NDF}: 420.8/24$

Right Out: -20.466 ± 0.656 $\chi^2/\text{NDF}: 411.8/21$

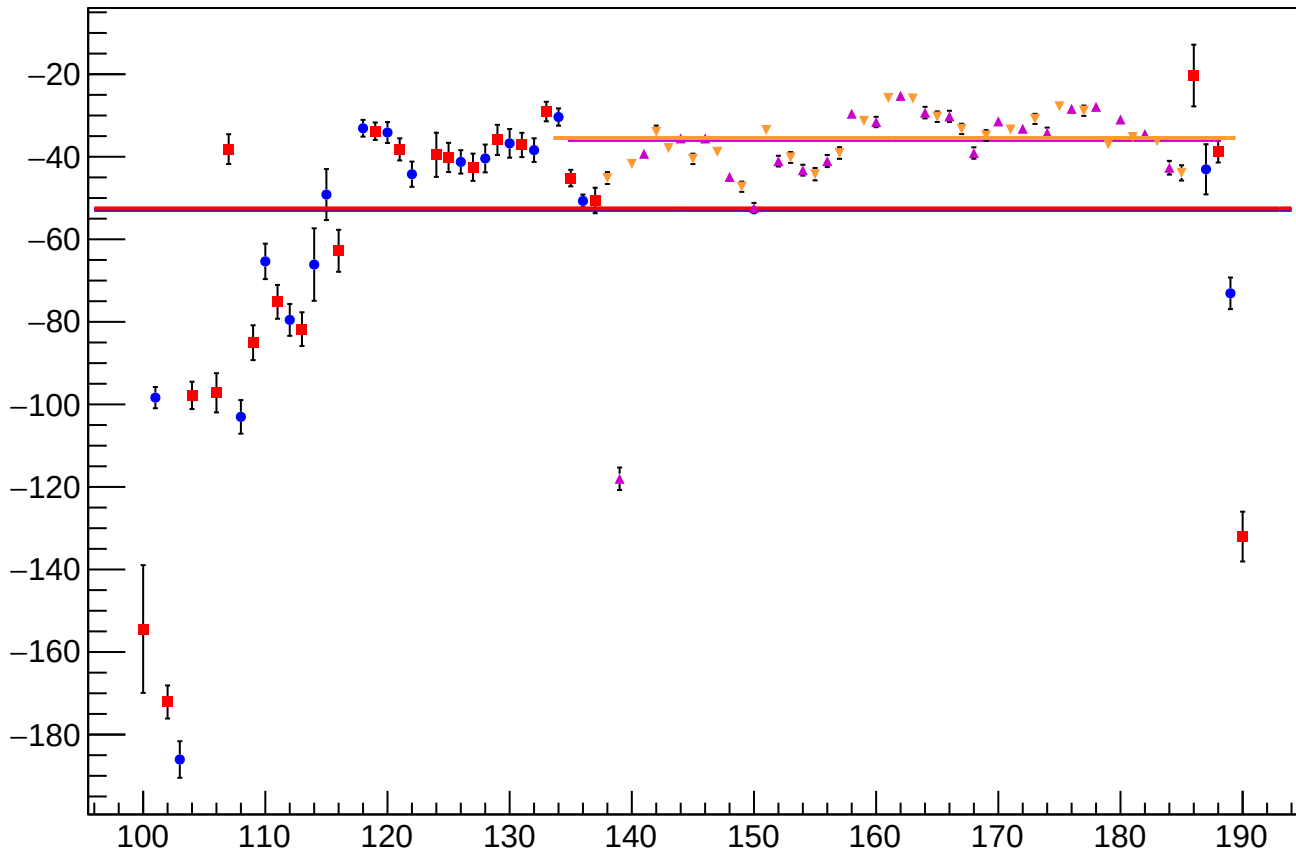
Left In: -35.706 ± 0.323 $\chi^2/\text{NDF}: 578.6/22$

+ sign -33.716 ± 0.282 $\chi^2/\text{NDF}: 1081.5/42$

All: -33.237 ± 0.202 $\chi^2/\text{NDF}: 2512.5/87$

- sign -32.728 ± 0.290 $\chi^2/\text{NDF}: 1425.0/44$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.854 ± 0.692 $\chi^2/\text{NDF}: 1809.3/17$

Left Out: -35.442 ± 0.245 $\chi^2/\text{NDF}: 537.8/24$

Right Out: -52.517 ± 0.711 $\chi^2/\text{NDF}: 1882.5/21$

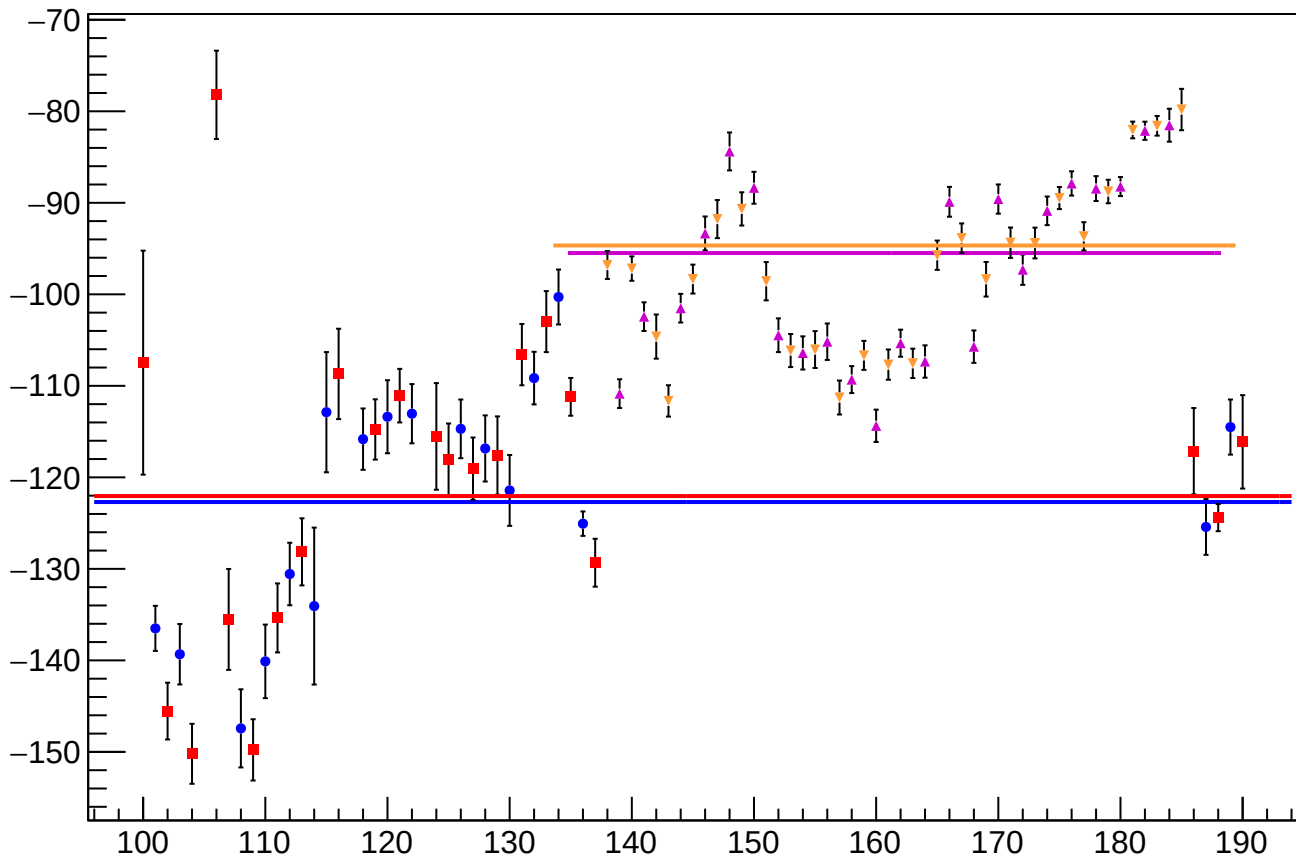
Left In: -35.913 ± 0.256 $\chi^2/\text{NDF}: 1543.1/22$

+ sign -37.381 ± 0.231 $\chi^2/\text{NDF}: 2910.1/42$

All: -37.591 ± 0.167 $\chi^2/\text{NDF}: 6819.9/87$

- sign -37.819 ± 0.241 $\chi^2/\text{NDF}: 3908.1/44$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -122.696 ± 0.708 χ^2/NDF : 235.2/17

Left Out: -94.663 ± 0.310 χ^2/NDF : 900.1/24

Right Out: -122.045 ± 0.691 χ^2/NDF : 429.7/21

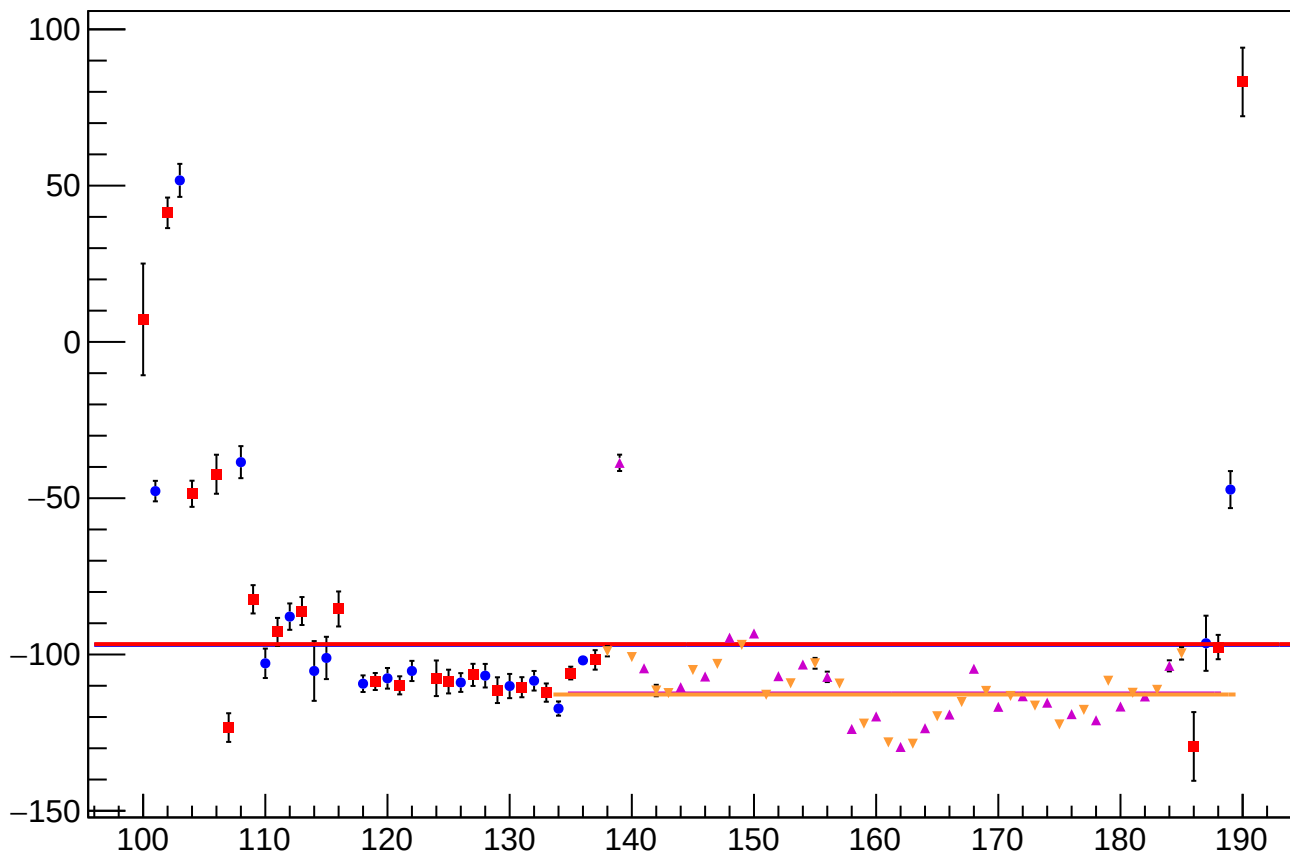
Left In: -95.489 ± 0.321 χ^2/NDF : 970.1/22

+ sign -99.170 ± 0.284 χ^2/NDF : 2451.5/42

All: -99.676 ± 0.203 χ^2/NDF : 5073.1/87

- sign -100.210 ± 0.291 χ^2/NDF : 2615.1/44

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -96.919 ± 0.783 $\chi^2/\text{NDF}: 1402.4/17$

Left Out: -112.794 ± 0.274 $\chi^2/\text{NDF}: 936.4/24$

Right Out: -96.679 ± 0.819 $\chi^2/\text{NDF}: 1515.2/21$

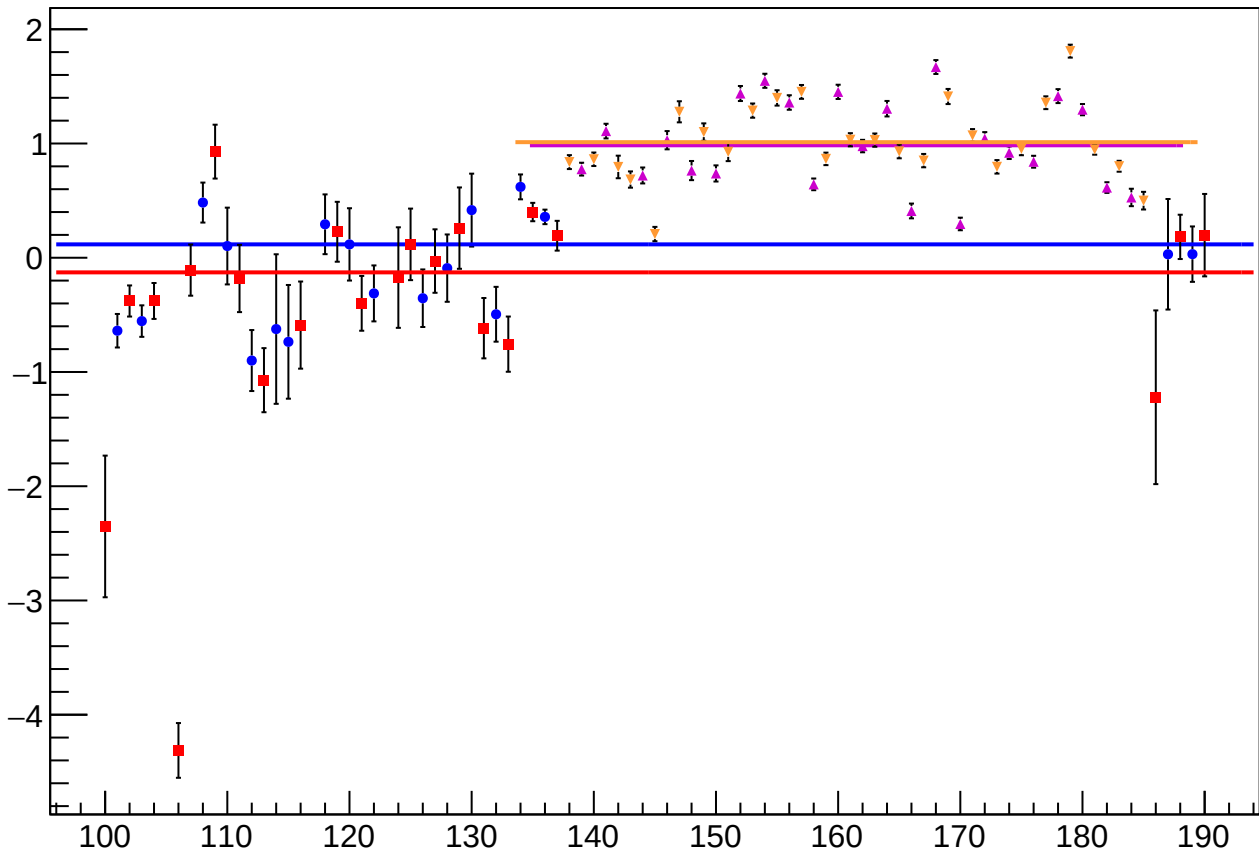
Left In: -112.465 ± 0.285 $\chi^2/\text{NDF}: 1788.6/22$

+ sign -111.061 ± 0.259 $\chi^2/\text{NDF}: 2705.1/42$

All: -110.917 ± 0.186 $\chi^2/\text{NDF}: 6341.0/87$

- sign -110.762 ± 0.269 $\chi^2/\text{NDF}: 3635.2/44$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.117 ± 0.040 χ^2/NDF : 124.1/17

Left Out: 1.012 ± 0.012 χ^2/NDF : 691.2/24

Right Out: -0.128 ± 0.043 χ^2/NDF : 426.6/21

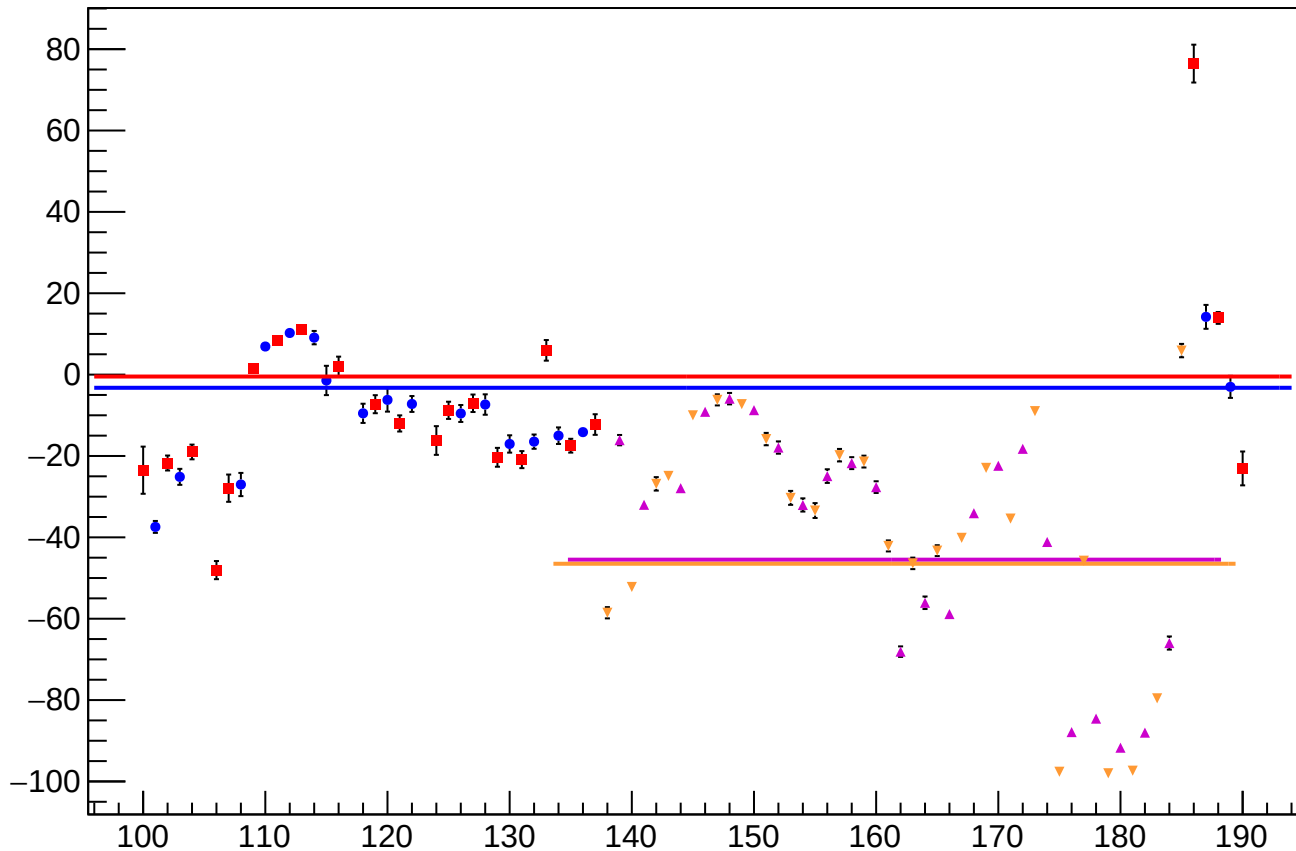
Left In: 0.984 ± 0.013 χ^2/NDF : 900.0/22

+ sign 0.937 ± 0.012 χ^2/NDF : 1262.4/42

All: 0.918 ± 0.008 χ^2/NDF : 3202.0/87

- sign 0.898 ± 0.012 χ^2/NDF : 1934.5/44

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.236 ± 0.370 χ^2/NDF : 1565.0/17

Left Out: -46.493 ± 0.230 χ^2/NDF : 20046.7/24

Right Out: -0.470 ± 0.328 χ^2/NDF : 1935.6/21

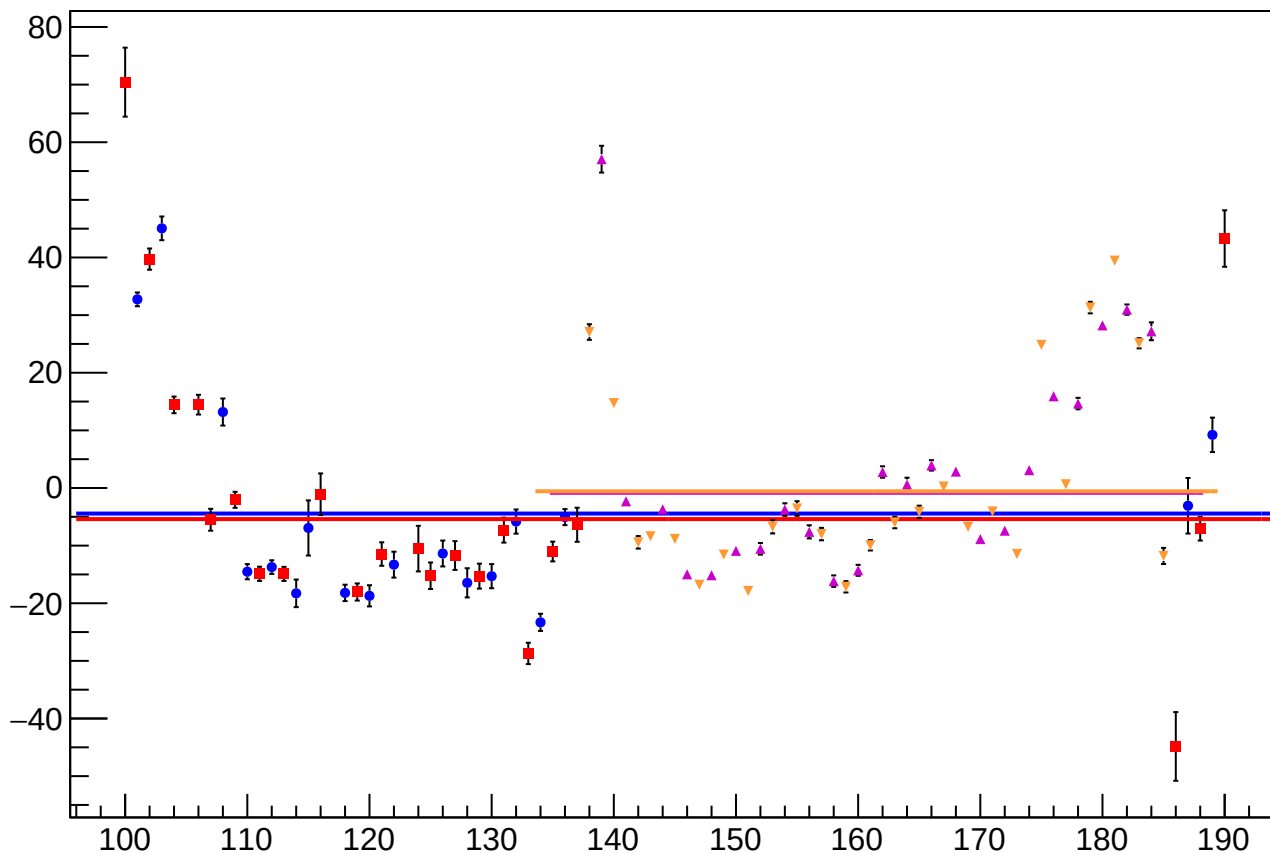
Left In: -45.487 ± 0.238 χ^2/NDF : 15571.1/22

+ sign -34.440 ± 0.195 χ^2/NDF : 31460.5/42

All: -32.170 ± 0.137 χ^2/NDF : 61597.0/87

- sign -29.970 ± 0.192 χ^2/NDF : 29870.8/44

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.435 ± 0.425 χ^2/NDF : 2169.4/17

Left Out: -0.572 ± 0.177 χ^2/NDF : 8451.5/24

Right Out: -5.397 ± 0.411 χ^2/NDF : 1651.7/21

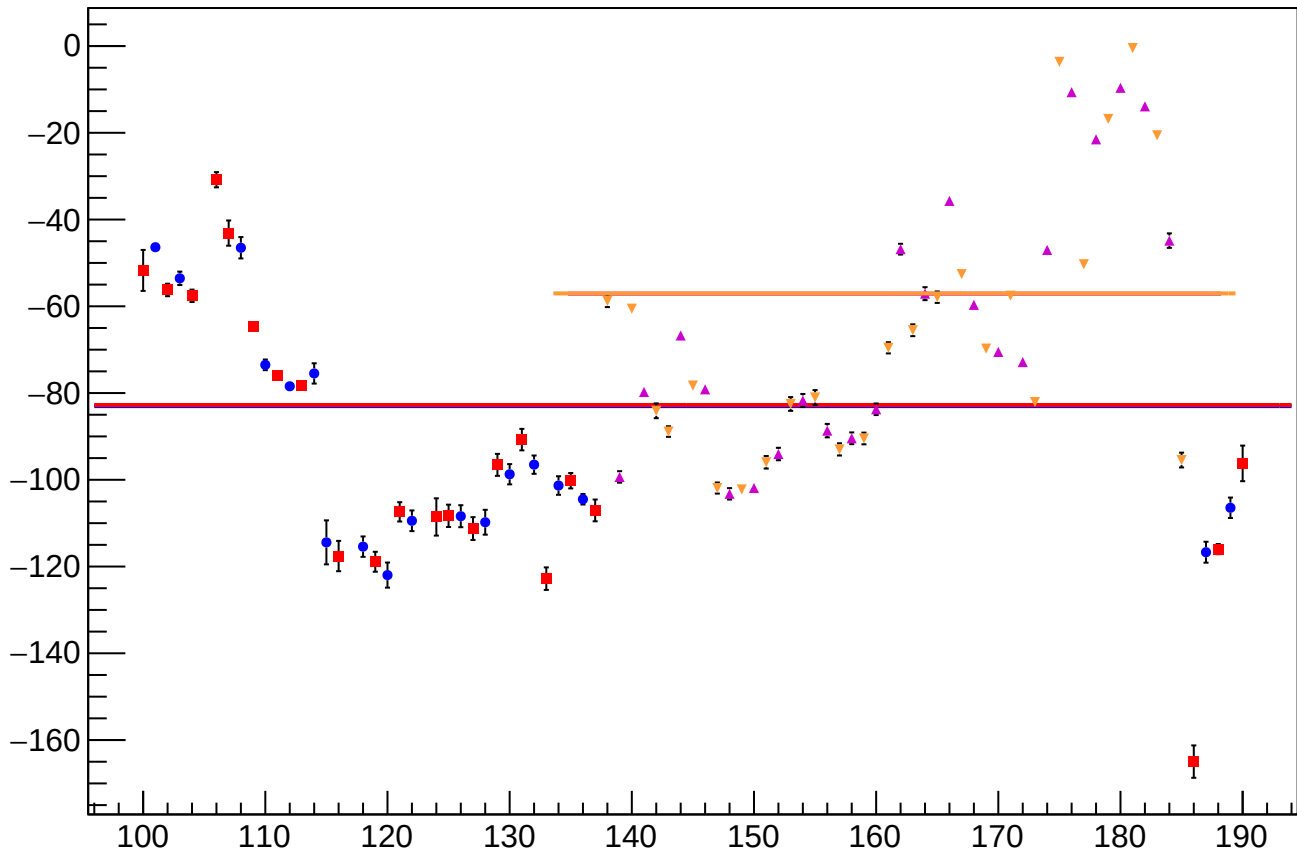
Left In: -0.828 ± 0.183 χ^2/NDF : 6116.6/22

+ sign -1.145 ± 0.164 χ^2/NDF : 10691.3/42

All: -1.360 ± 0.117 χ^2/NDF : 18566.2/87

- sign -1.584 ± 0.167 χ^2/NDF : 7871.4/44

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -83.015+/-0.424 χ^2/NDF : 3183.3/17

Left Out: -57.029+/-0.230 χ^2/NDF : 20309.3/24

Right Out: -82.756+/-0.389 χ^2/NDF : 4597.5/21

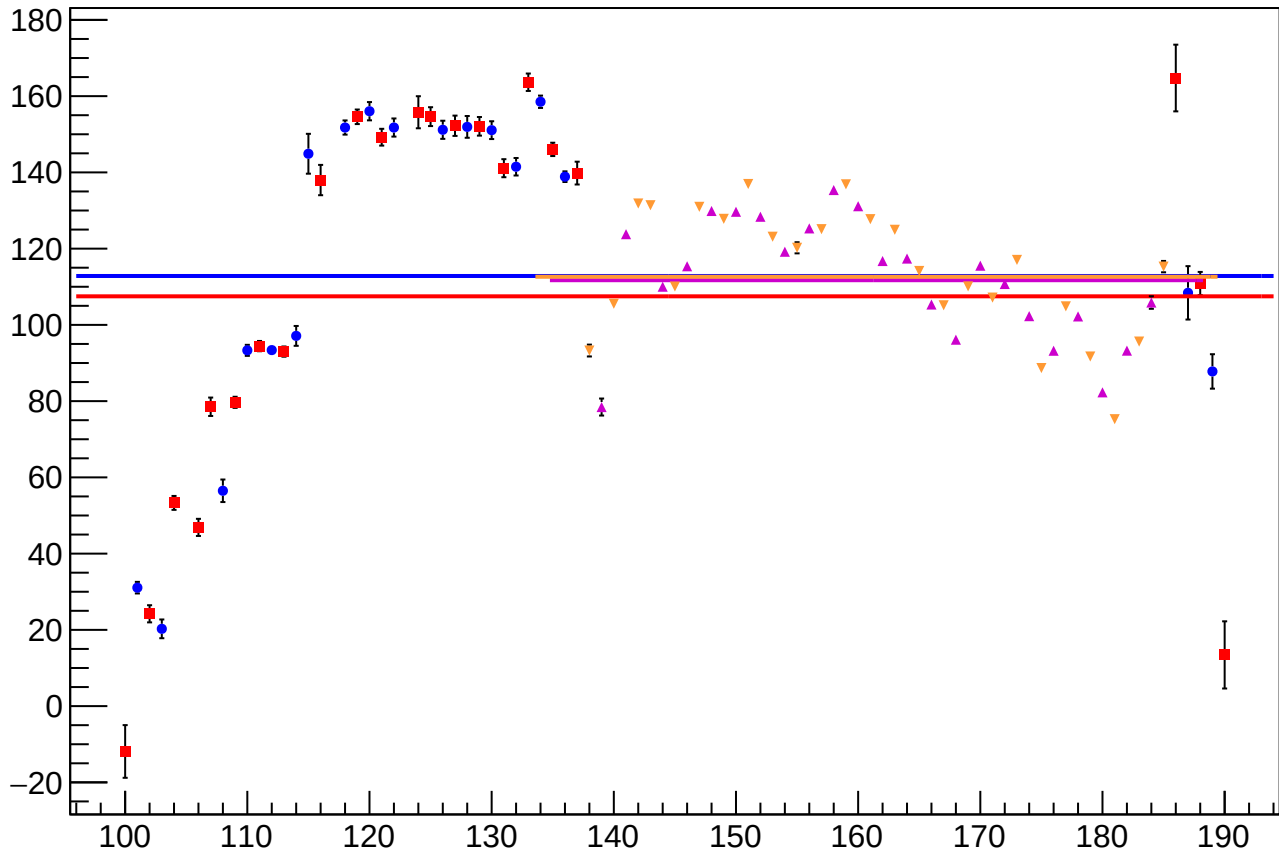
Left In: -57.091+/-0.237 χ^2/NDF : 17167.8/22

+ sign -62.926+/-0.202 χ^2/NDF : 26392.7/42

All: -63.477+/-0.143 χ^2/NDF : 51353.2/87

- sign -64.027+/-0.202 χ^2/NDF : 24945.6/44

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 112.828 $\pm$ 0.485 χ^2 /NDF: 8235.6/17

Left Out: 112.625 $\pm$ 0.200 χ^2 /NDF: 6708.0/24

Right Out: 107.492 $\pm$ 0.472 χ^2 /NDF: 7702.0/21

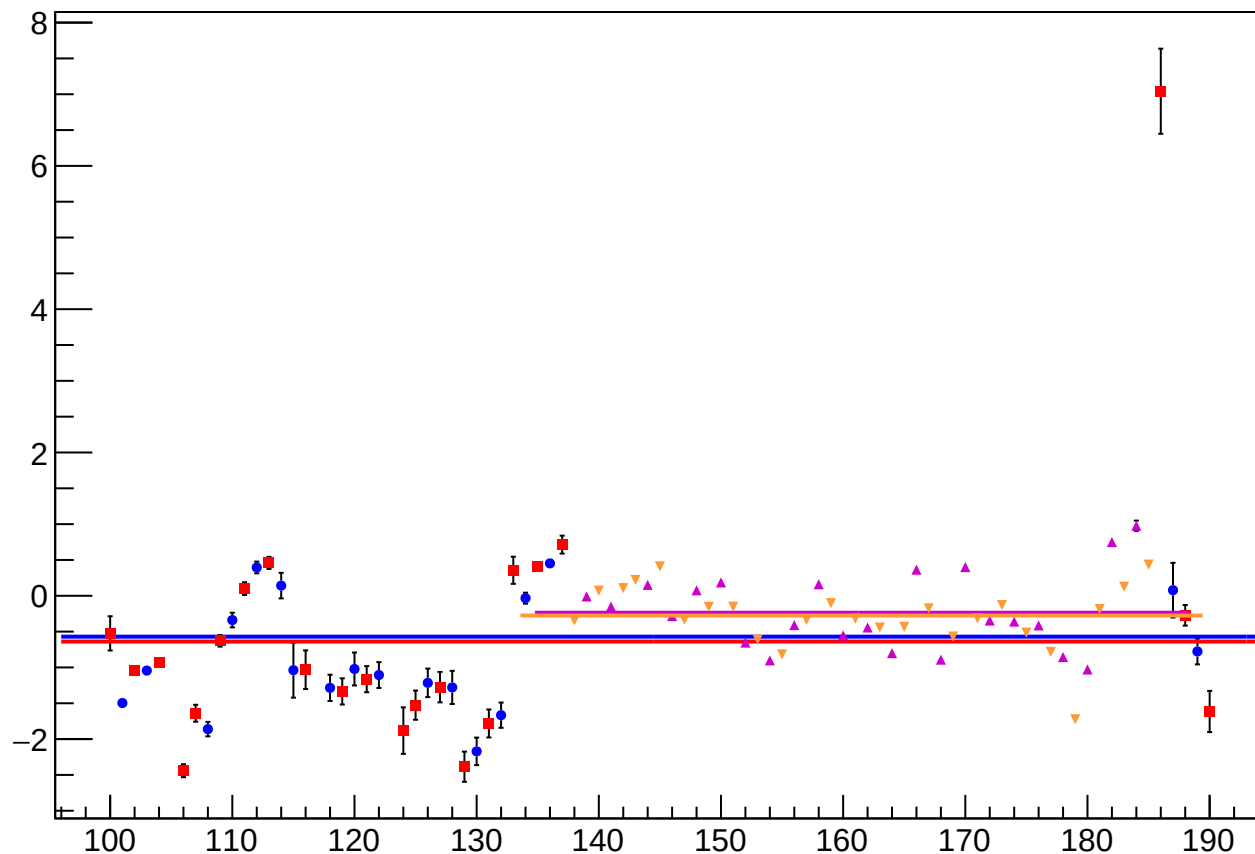
Left In: 111.720 $\pm$ 0.206 χ^2 /NDF: 4896.8/22

+ sign 112.654 $\pm$ 0.185 χ^2 /NDF: 14943.8/42

All: 111.866 $\pm$ 0.132 χ^2 /NDF: 27647.1/87

- sign 111.044 $\pm$ 0.189 χ^2 /NDF: 12666.2/44

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.570 ± 0.025 χ^2/NDF : 1101.6/17

Left Out: -0.276 ± 0.009 χ^2/NDF : 2122.4/24

Right Out: -0.639 ± 0.025 χ^2/NDF : 1500.9/21

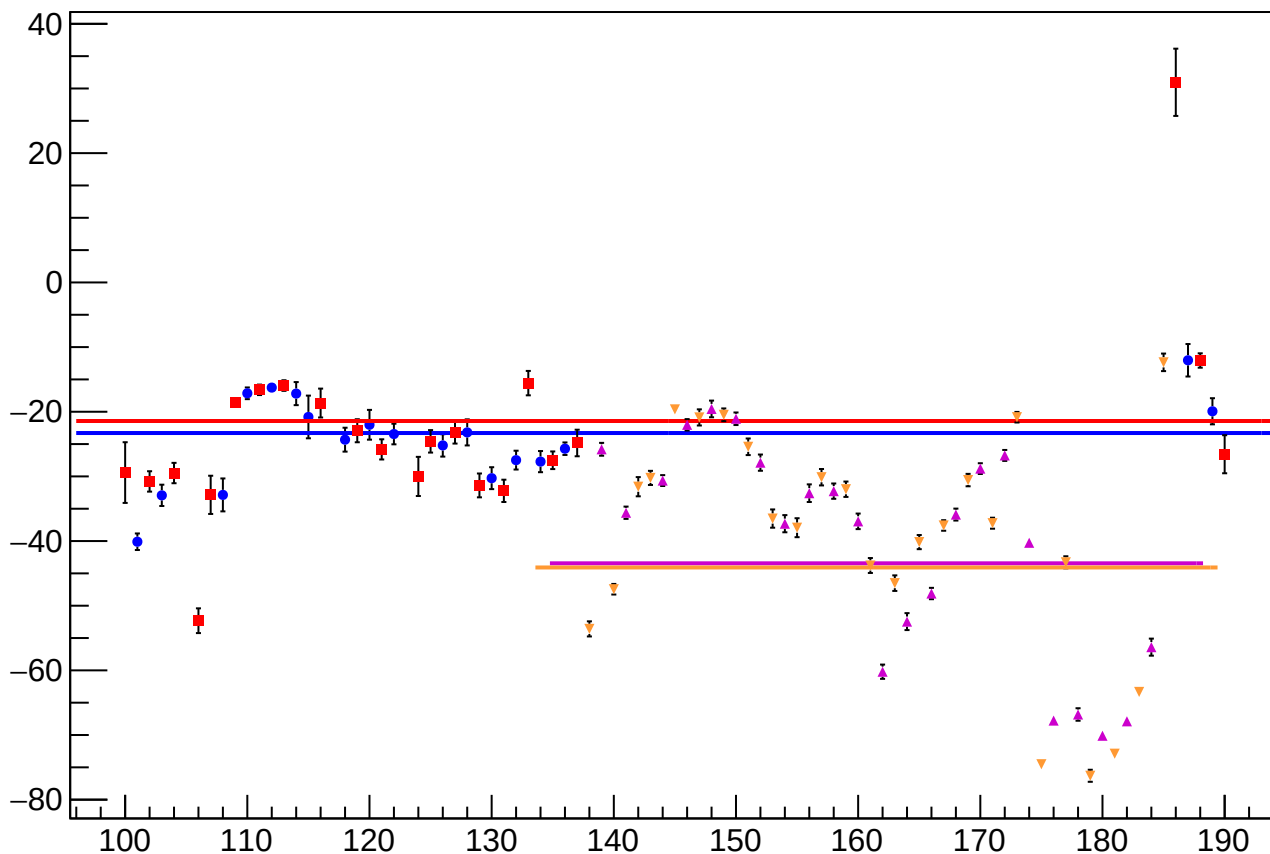
Left In: -0.236 ± 0.009 χ^2/NDF : 2961.3/22

+ sign -0.308 ± 0.008 χ^2/NDF : 3342.9/42

All: -0.297 ± 0.006 χ^2/NDF : 8041.6/87

- sign -0.285 ± 0.009 χ^2/NDF : 4695.0/44

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.291 ± 0.340 $\chi^2/\text{NDF}: 430.1/17$

Left Out: -44.087 ± 0.193 $\chi^2/\text{NDF}: 10340.4/24$

Right Out: -21.431 ± 0.307 $\chi^2/\text{NDF}: 735.3/21$

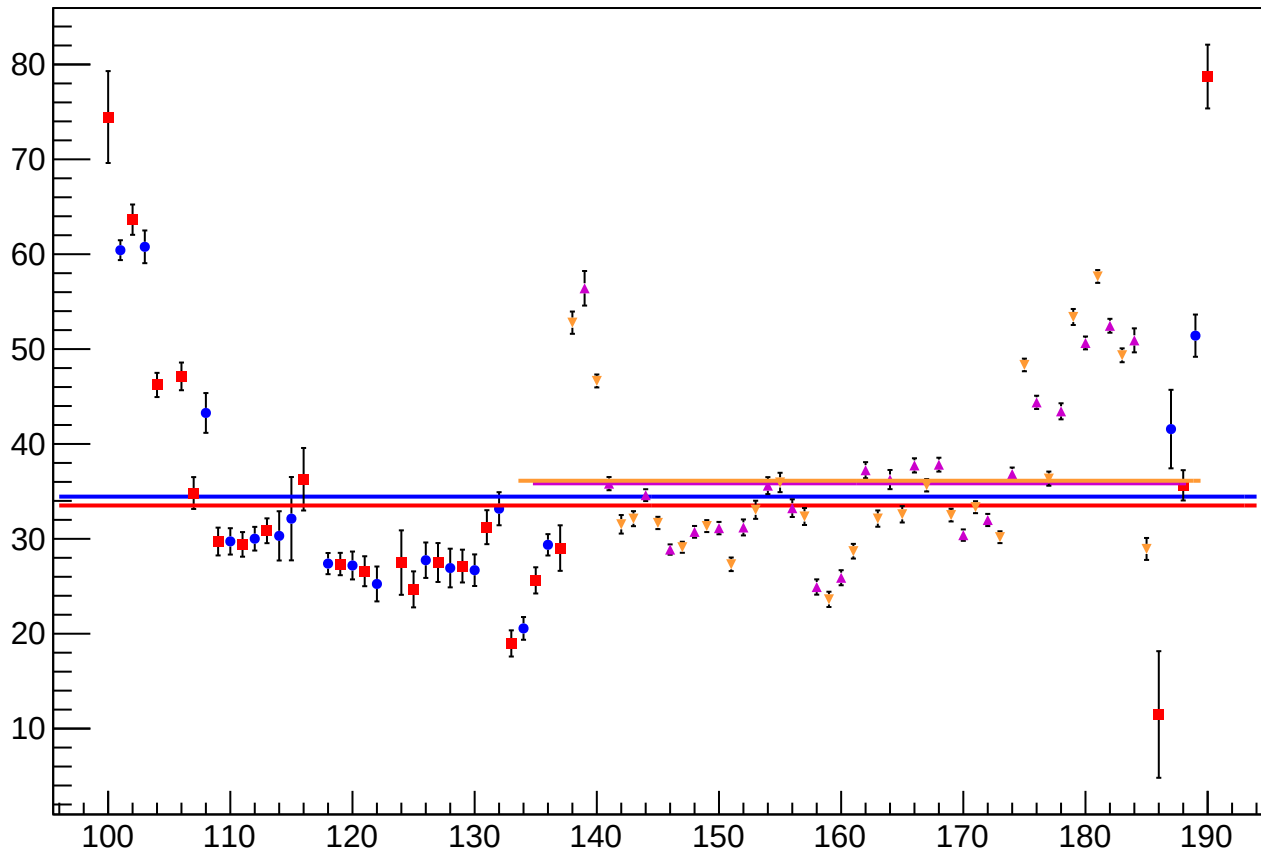
Left In: -43.444 ± 0.199 $\chi^2/\text{NDF}: 7820.5/22$

+ sign -39.020 ± 0.168 $\chi^2/\text{NDF}: 13598.7/42$

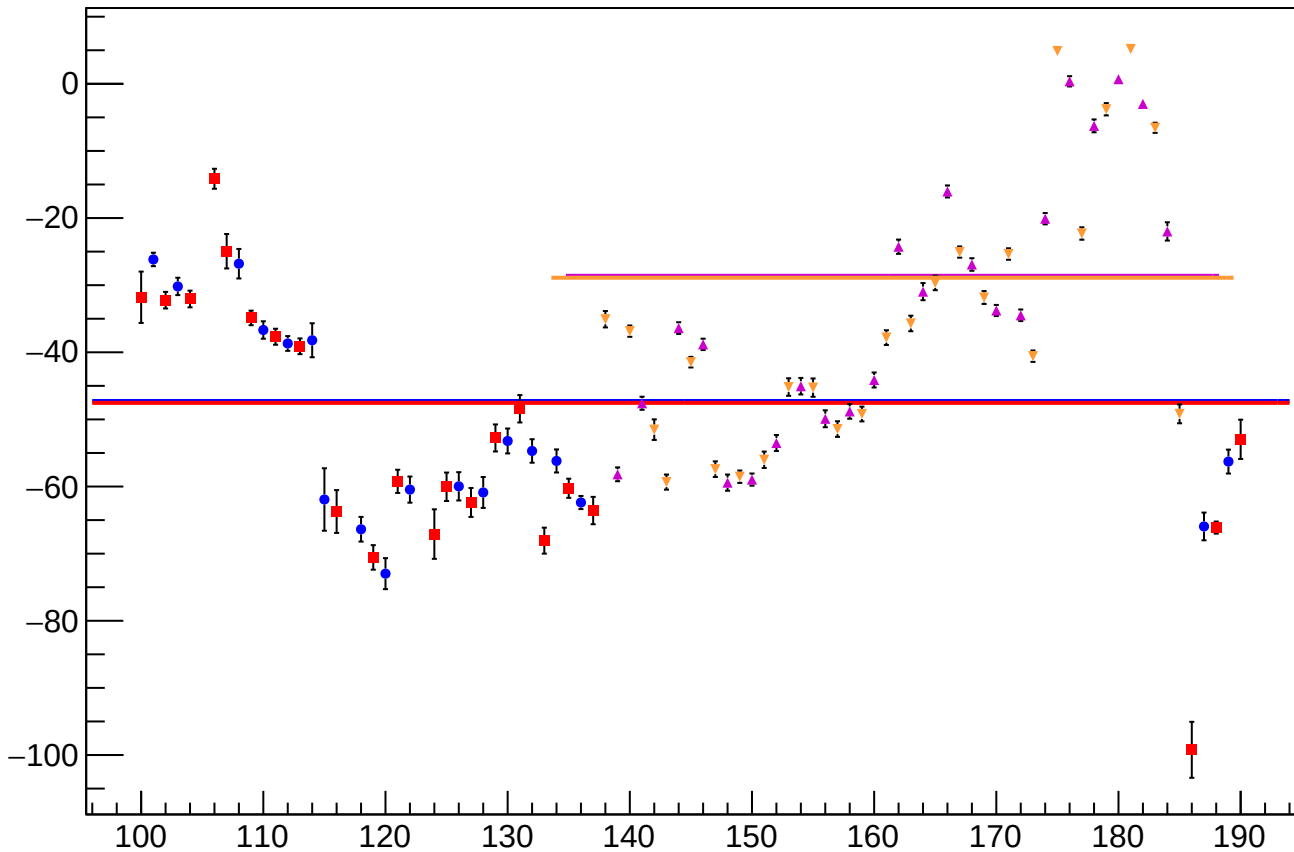
All: -37.973 ± 0.118 $\chi^2/\text{NDF}: 25857.4/87$

- sign -36.940 ± 0.167 $\chi^2/\text{NDF}: 12181.4/44$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -47.258 ± 0.375 $\chi^2/\text{NDF}: 1605.1/17$

Left Out: -28.891 ± 0.193 $\chi^2/\text{NDF}: 11798.4/24$

Right Out: -47.534 ± 0.345 $\chi^2/\text{NDF}: 2348.3/21$

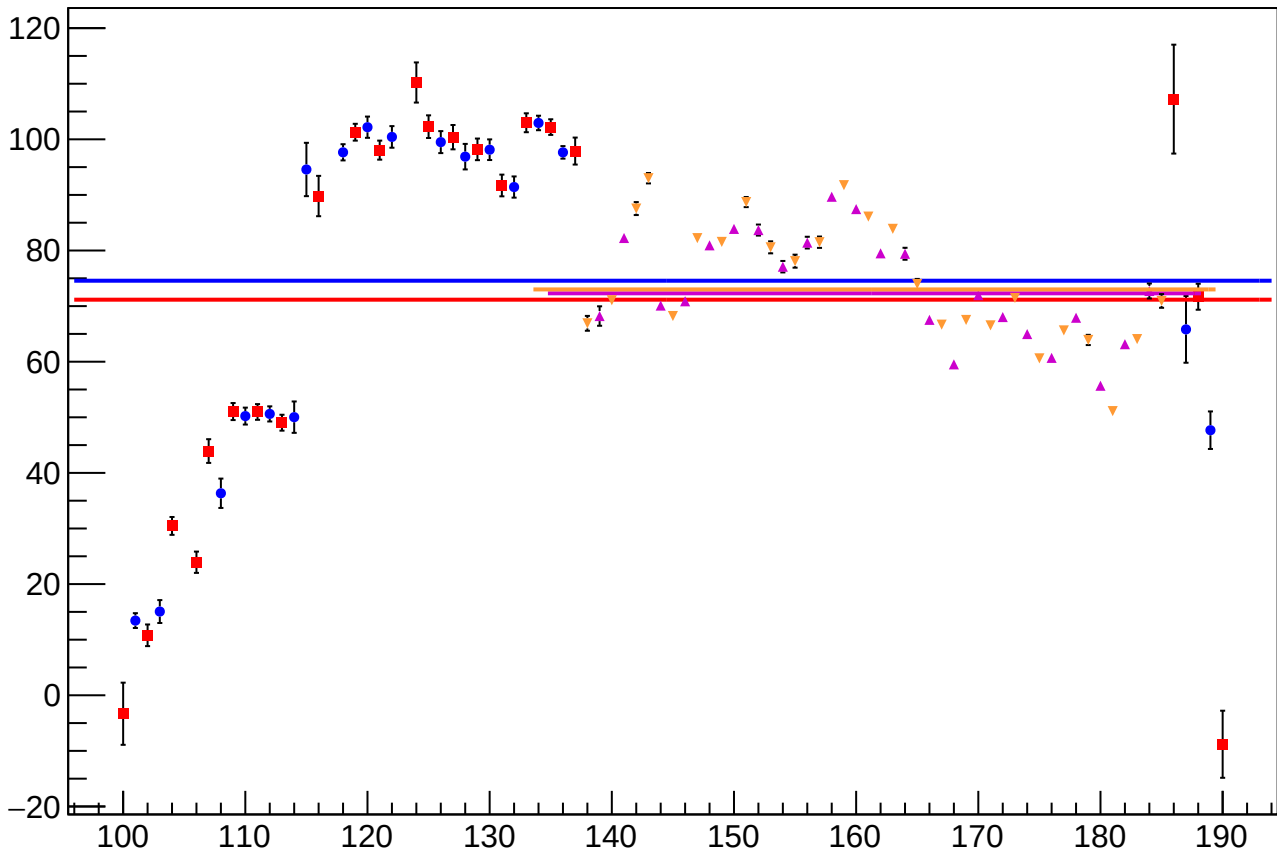
Left In: -28.605 ± 0.198 $\chi^2/\text{NDF}: 10014.7/22$

+ sign -32.738 ± 0.171 $\chi^2/\text{NDF}: 15304.9/42$

All: -33.011 ± 0.121 $\chi^2/\text{NDF}: 29938.0/87$

- sign -33.285 ± 0.172 $\chi^2/\text{NDF}: 14628.0/44$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 74.567 $\pm$ 0.423 χ^2 /NDF: 5895.1/17

Left Out: 73.002 $\pm$ 0.168 χ^2 /NDF: 4052.4/24

Right Out: 71.156 $\pm$ 0.417 χ^2 /NDF: 5818.0/21

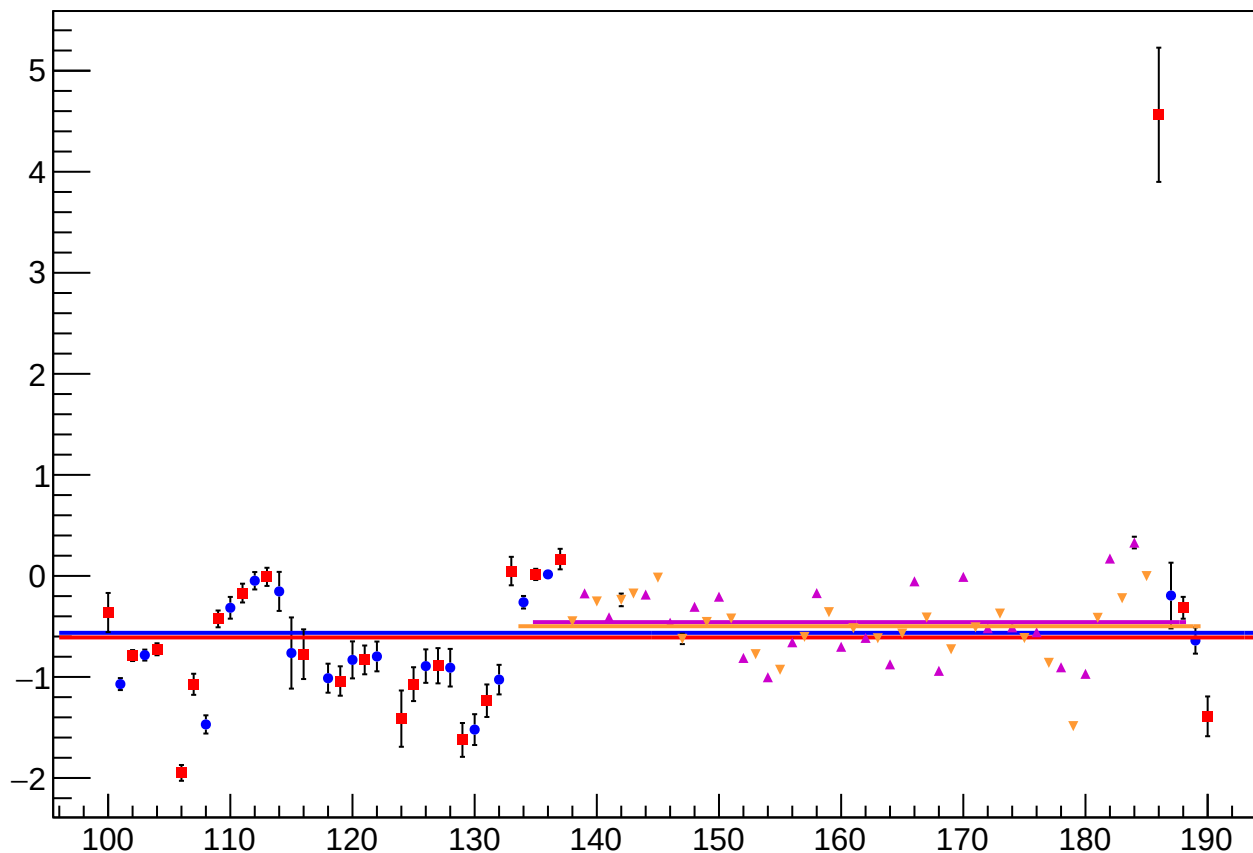
Left In: 72.302 $\pm$ 0.173 χ^2 /NDF: 2912.6/22

+ sign 73.216 $\pm$ 0.157 χ^2 /NDF: 9959.3/42

All: 72.687 $\pm$ 0.112 χ^2 /NDF: 18719.7/87

- sign 72.134 $\pm$ 0.160 χ^2 /NDF: 8737.0/44

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.563 ± 0.022 $\chi^2/\text{NDF}: 494.6/17$

Left Out: -0.498 ± 0.008 $\chi^2/\text{NDF}: 1482.9/24$

Right Out: -0.609 ± 0.022 $\chi^2/\text{NDF}: 773.9/21$

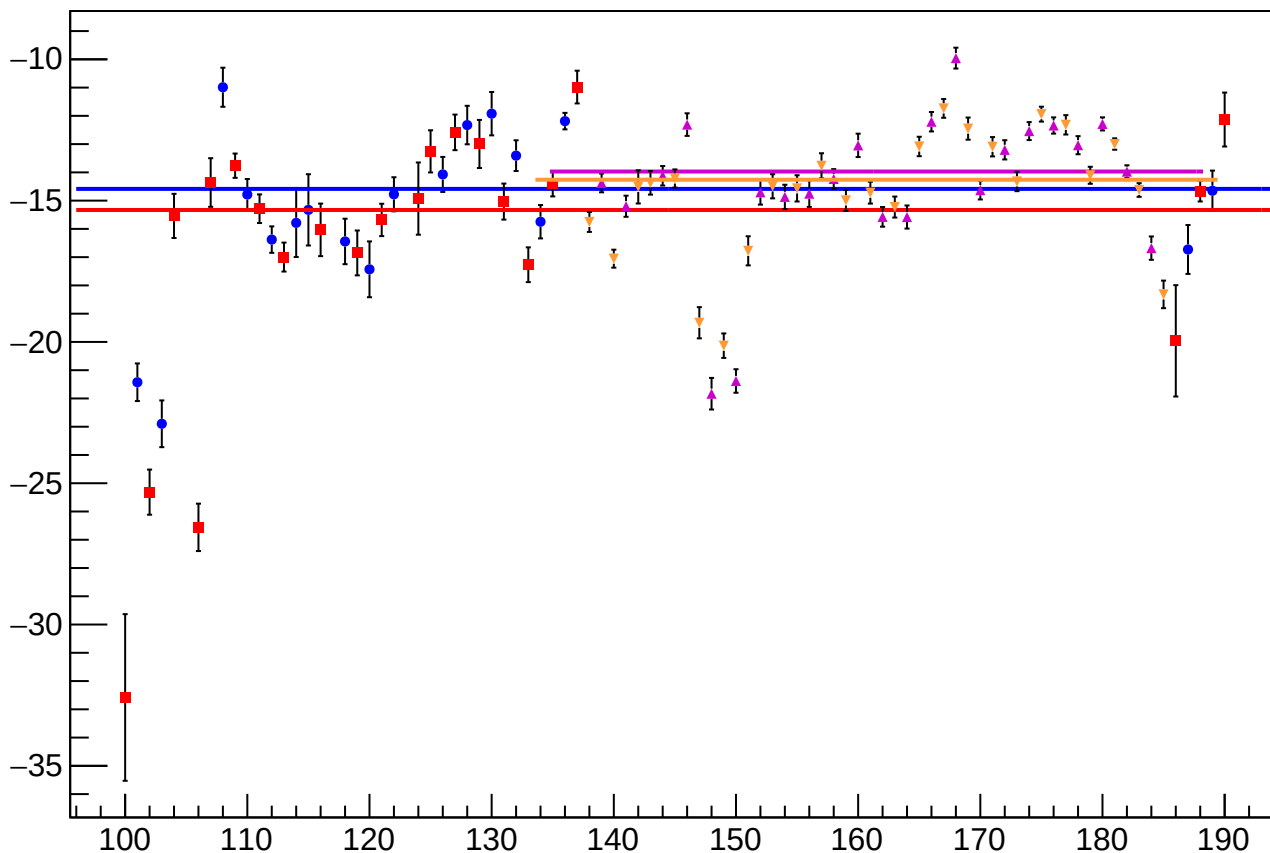
Left In: -0.458 ± 0.008 $\chi^2/\text{NDF}: 2103.1/22$

+ sign -0.505 ± 0.007 $\chi^2/\text{NDF}: 1985.5/42$

All: -0.490 ± 0.005 $\chi^2/\text{NDF}: 4915.2/87$

- sign -0.475 ± 0.007 $\chi^2/\text{NDF}: 2920.7/44$

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.585 ± 0.144 χ^2/NDF : 369.7/17

Left Out: -14.261 ± 0.070 χ^2/NDF : 724.0/24

Right Out: -15.331 ± 0.137 χ^2/NDF : 525.1/21

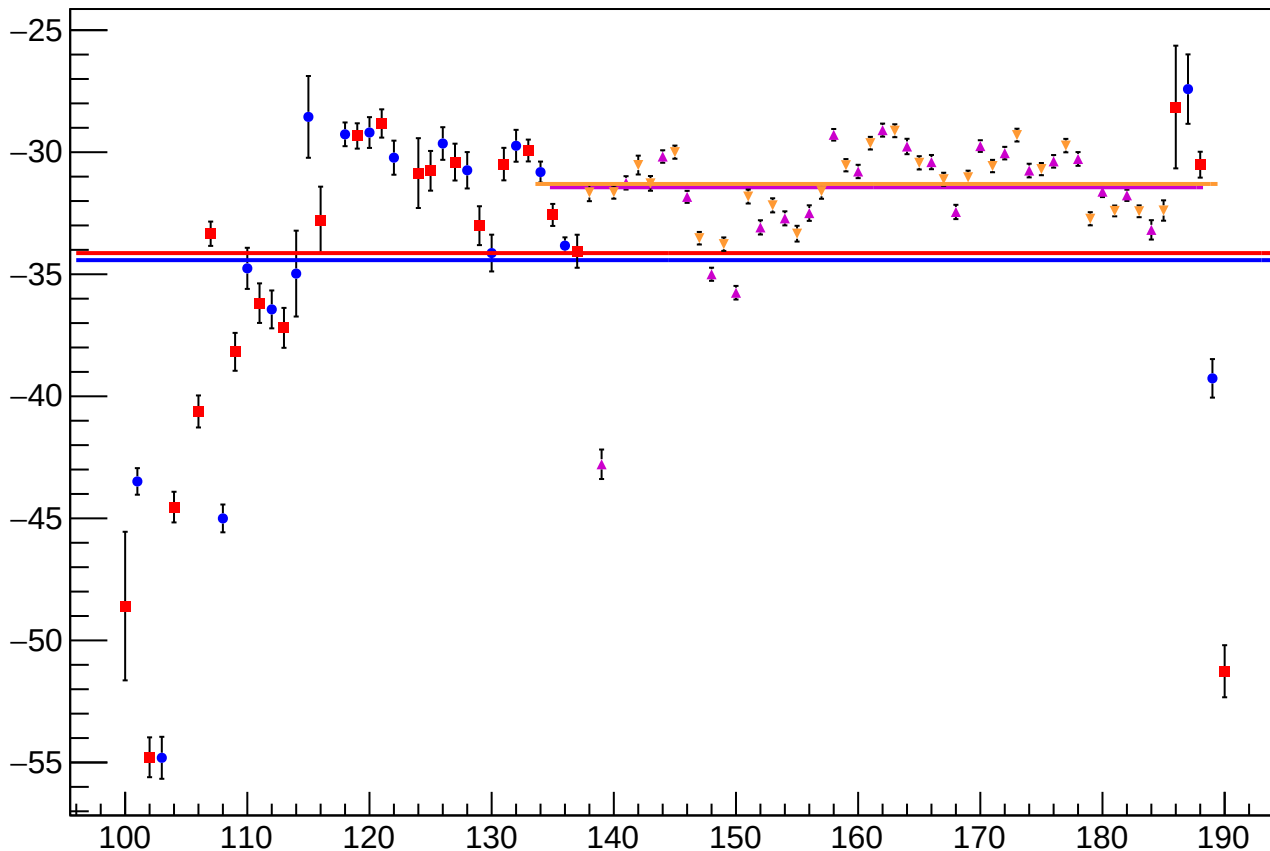
Left In: -13.970 ± 0.072 χ^2/NDF : 907.7/22

+ sign -14.322 ± 0.063 χ^2/NDF : 1097.8/42

All: -14.293 ± 0.045 χ^2/NDF : 2608.4/87

- sign -14.264 ± 0.064 χ^2/NDF : 1510.1/44

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.422 ± 0.150 $\chi^2/\text{NDF}: 1682.9/17$

Left Out: -31.301 ± 0.055 $\chi^2/\text{NDF}: 553.1/24$

Right Out: -34.133 ± 0.146 $\chi^2/\text{NDF}: 1744.9/21$

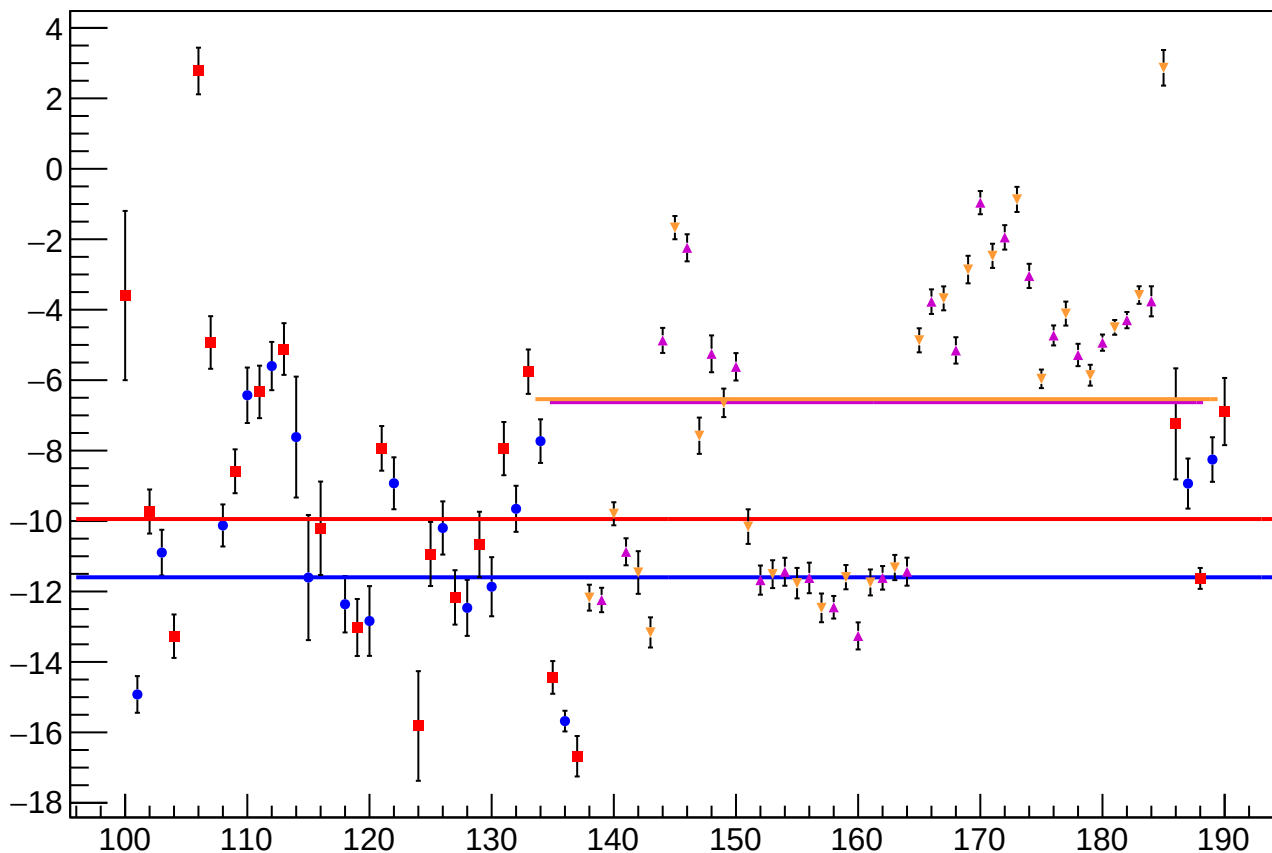
Left In: -31.436 ± 0.057 $\chi^2/\text{NDF}: 1214.8/22$

+ sign -31.675 ± 0.052 $\chi^2/\text{NDF}: 2619.0/42$

All: -31.733 ± 0.037 $\chi^2/\text{NDF}: 5875.6/87$

- sign -31.794 ± 0.053 $\chi^2/\text{NDF}: 3254.1/44$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.597 ± 0.152 χ^2/NDF : 476.7/17

Left Out: -6.540 ± 0.070 χ^2/NDF : 3242.5/24

Right Out: -9.943 ± 0.142 χ^2/NDF : 898.3/21

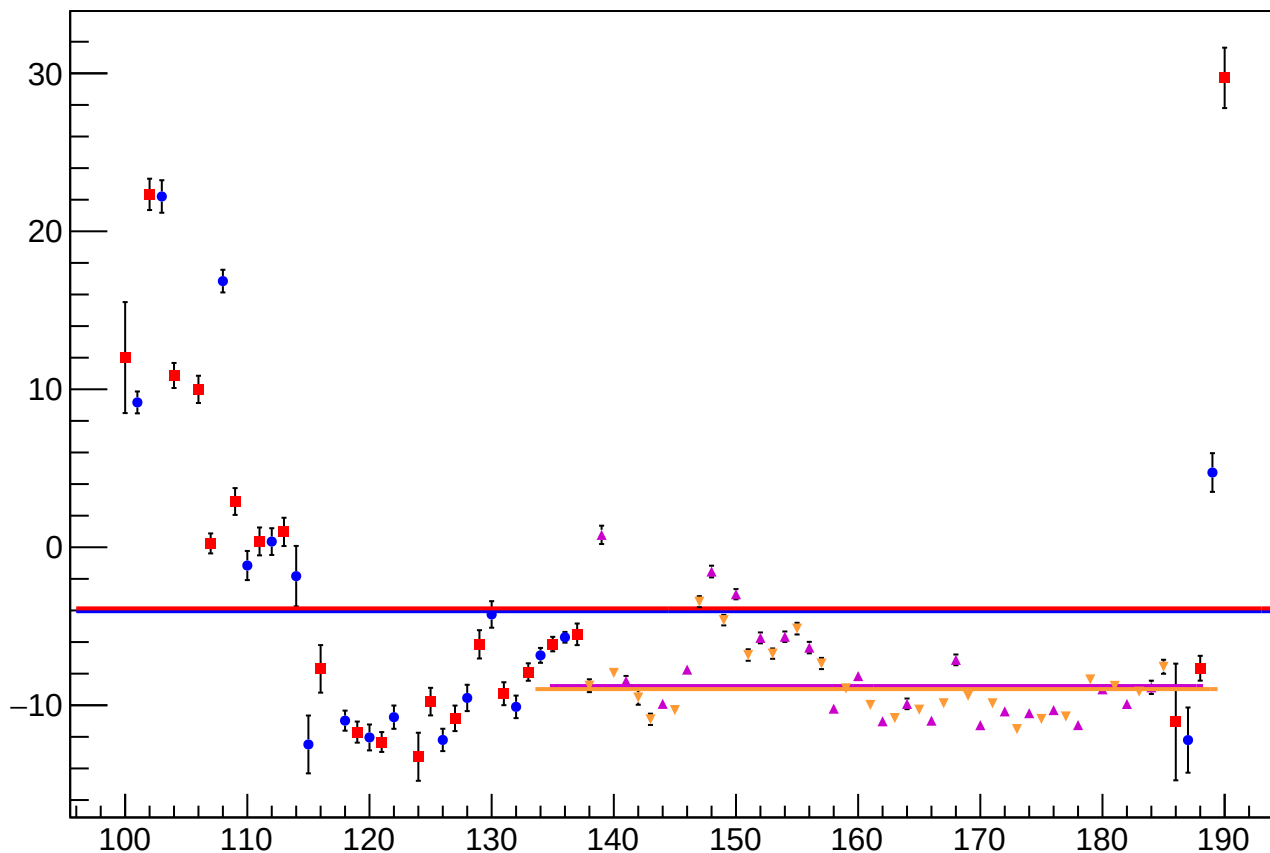
Left In: -6.625 ± 0.071 χ^2/NDF : 2908.0/22

+ sign -7.418 ± 0.063 χ^2/NDF : 4638.1/42

All: -7.357 ± 0.045 χ^2/NDF : 8881.2/87

- sign -7.294 ± 0.064 χ^2/NDF : 4241.2/44

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.046 ± 0.170 χ^2/NDF : 2592.4/17

Left Out: -8.977 ± 0.061 χ^2/NDF : 972.0/24

Right Out: -3.868 ± 0.171 χ^2/NDF : 2445.8/21

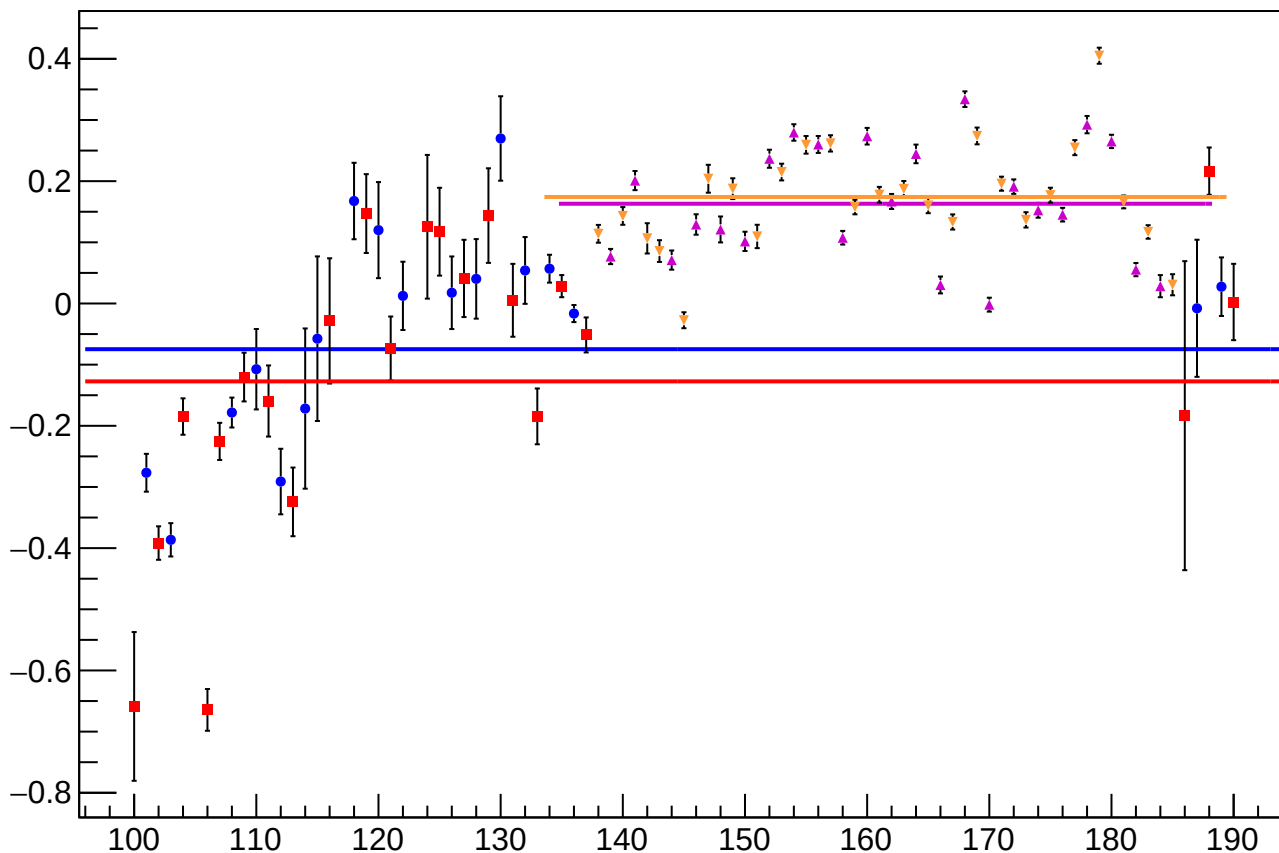
Left In: -8.785 ± 0.063 χ^2/NDF : 1685.0/22

+ sign -8.406 ± 0.058 χ^2/NDF : 4310.8/42

All: -8.301 ± 0.041 χ^2/NDF : 9175.8/87

- sign -8.190 ± 0.059 χ^2/NDF : 4858.3/44

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.075 ± 0.008 χ^2/NDF : 323.9/17

Left Out: 0.174 ± 0.003 χ^2/NDF : 922.9/24

Right Out: -0.127 ± 0.009 χ^2/NDF : 613.8/21

Left In: 0.163 ± 0.003 χ^2/NDF : 1195.1/22

+ sign 0.151 ± 0.003 χ^2/NDF : 2039.1/42

All: 0.144 ± 0.002 χ^2/NDF : 4865.5/87

- sign 0.137 ± 0.003 χ^2/NDF : 2812.0/44

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.901 ± 0.134 $\chi^2/\text{NDF}: 387.8/17$

Left Out: 3.750 ± 0.062 $\chi^2/\text{NDF}: 809.8/24$

Right Out: -1.559 ± 0.122 $\chi^2/\text{NDF}: 2178.9/21$

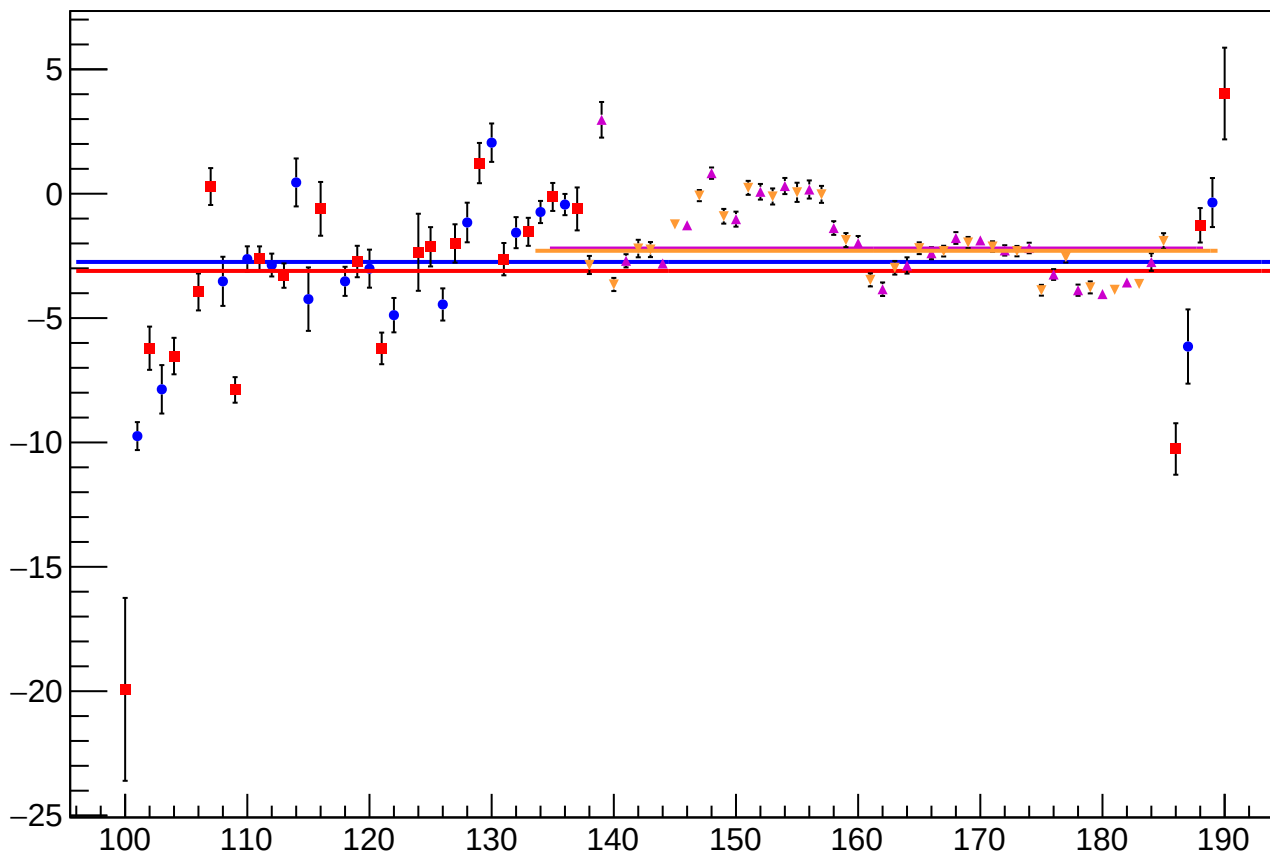
Left In: 3.688 ± 0.064 $\chi^2/\text{NDF}: 953.3/22$

+ sign 2.926 ± 0.056 $\chi^2/\text{NDF}: 2195.3/42$

All: 2.747 ± 0.040 $\chi^2/\text{NDF}: 6791.7/87$

- sign 2.565 ± 0.057 $\chi^2/\text{NDF}: 4575.9/44$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.743 ± 0.153 $\chi^2/\text{NDF}: 321.2/17$

Left Out: -2.294 ± 0.050 $\chi^2/\text{NDF}: 631.5/24$

Right Out: -3.105 ± 0.151 $\chi^2/\text{NDF}: 342.3/21$

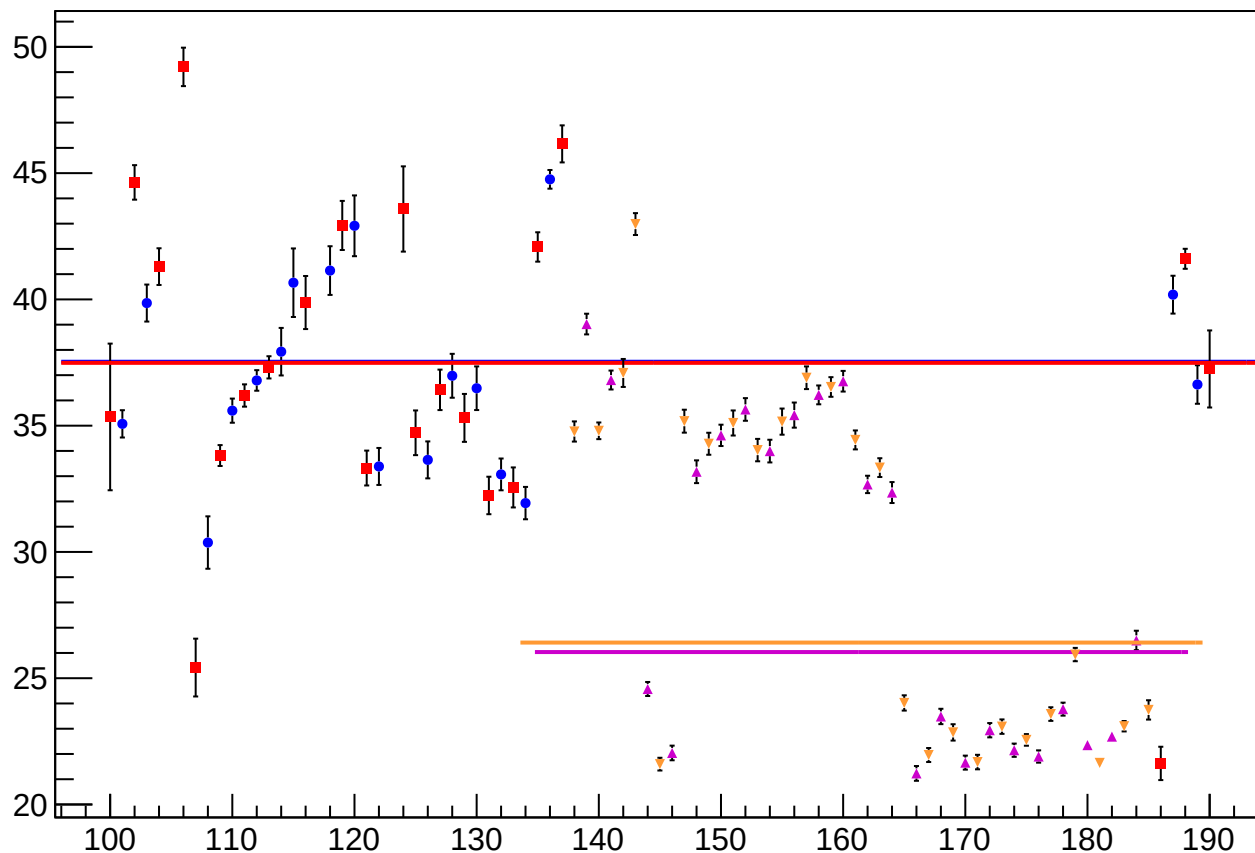
Left In: -2.204 ± 0.051 $\chi^2/\text{NDF}: 724.7/22$

+ sign -2.337 ± 0.047 $\chi^2/\text{NDF}: 960.4/42$

All: -2.316 ± 0.034 $\chi^2/\text{NDF}: 2059.5/87$

- sign -2.295 ± 0.048 $\chi^2/\text{NDF}: 1098.8/44$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.531 $\pm$ 0.154 χ^2 /NDF: 721.2/17

Left Out: 26.411 $\pm$ 0.062 χ^2 /NDF: 9222.2/24

Right Out: 37.488 $\pm$ 0.144 χ^2 /NDF: 1652.4/21

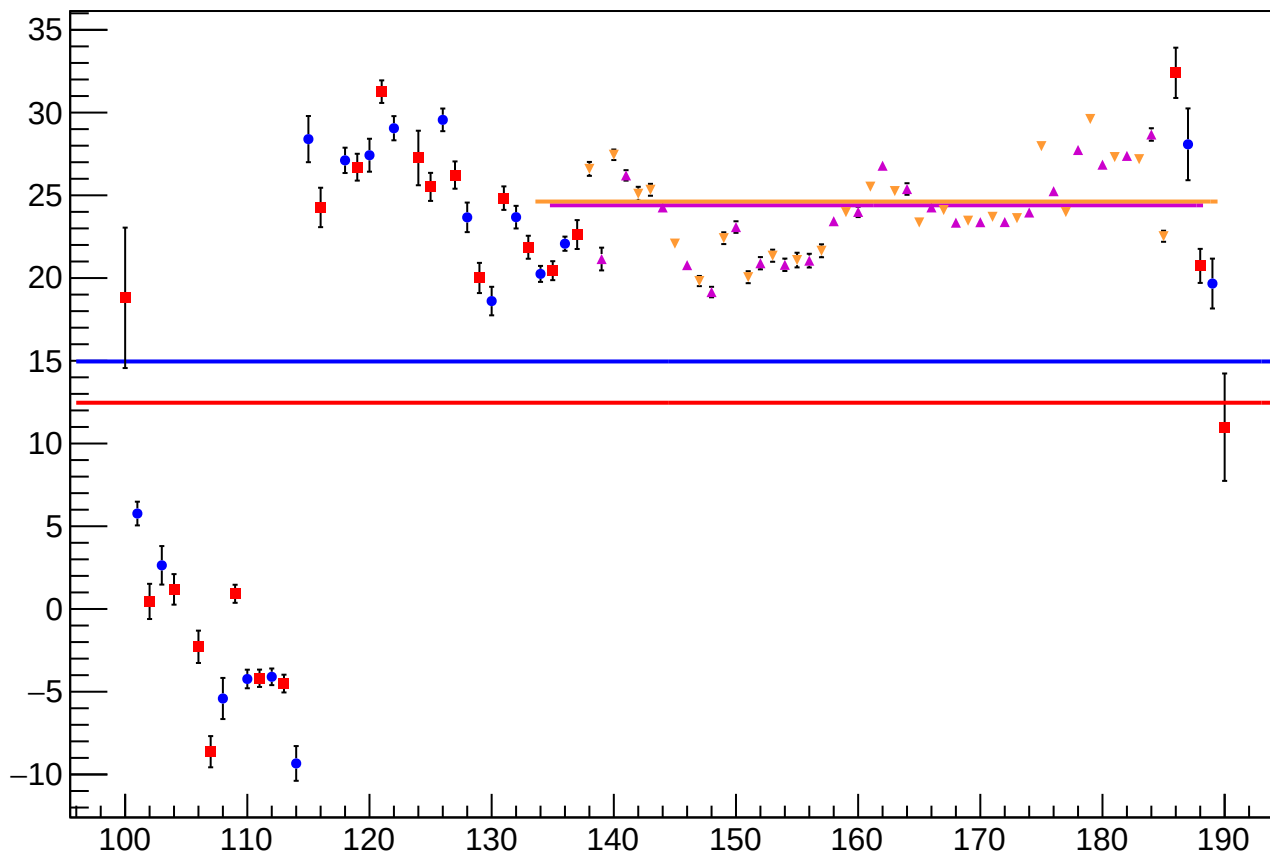
Left In: 26.036 $\pm$ 0.064 χ^2 /NDF: 7842.9/22

+ sign 27.975 $\pm$ 0.058 χ^2 /NDF: 14428.5/42

All: 27.951 $\pm$ 0.041 χ^2 /NDF: 29230.4/87

- sign 27.926 $\pm$ 0.058 χ^2 /NDF: 14801.5/44

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.959 $\pm$ 0.172 χ^2 /NDF: 5733.4/17

Left Out: 24.624 $\pm$ 0.055 χ^2 /NDF:1950.7/24

Right Out: 12.465 $\pm$ 0.173 χ^2 /NDF: 6350.7/21

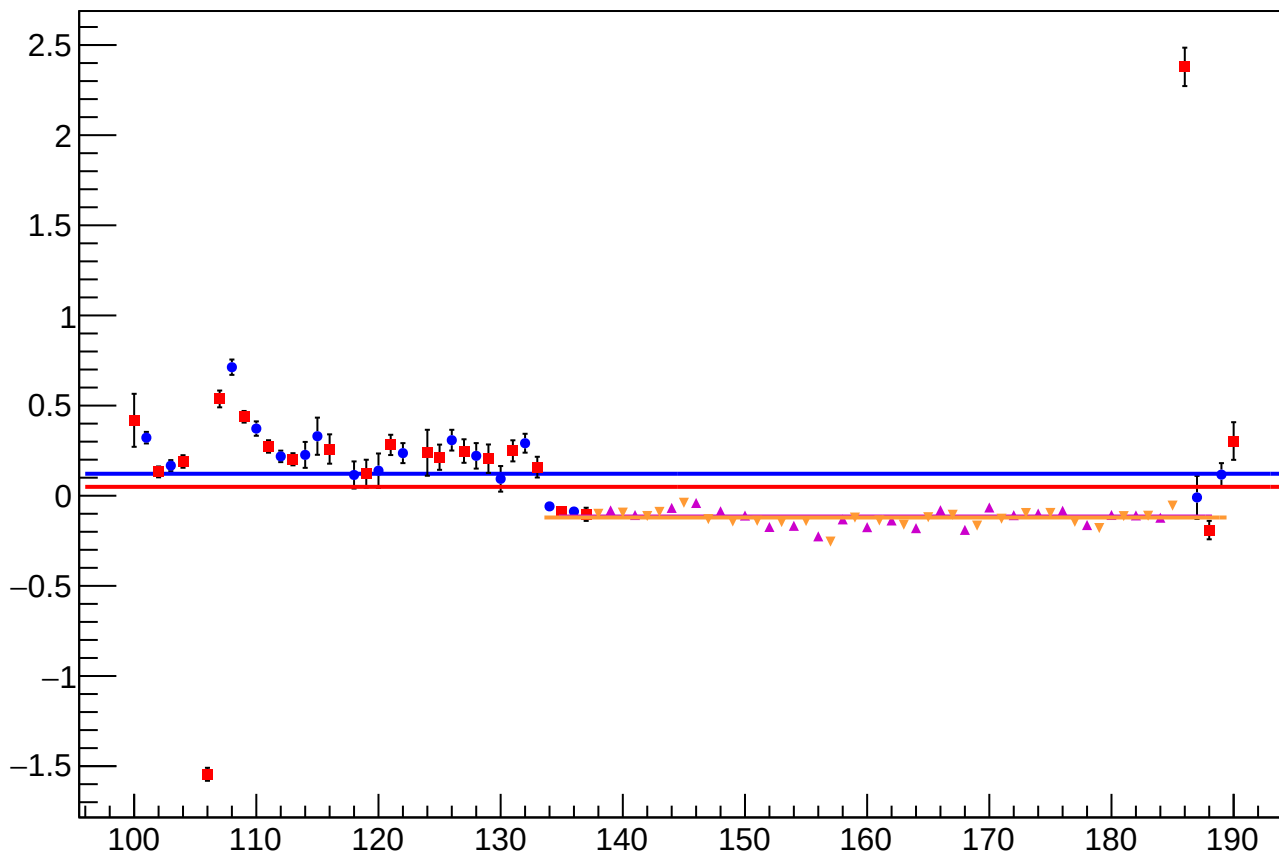
Left In: 24.397 $\pm$ 0.056 χ^2 /NDF:1715.6/22

+ sign 23.724 $\pm$ 0.053 χ^2 /NDF: 10541.6/42

All: 23.491 $\pm$ 0.038 χ^2 /NDF: 22952.7/87

- sign 23.247 $\pm$ 0.054 χ^2 /NDF: 12370.9/44

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.122 ± 0.009 χ^2/NDF : 521.2/17

Left Out: -0.121 ± 0.002 χ^2/NDF : 262.9/24

Right Out: 0.049 ± 0.010 χ^2/NDF : 2922.6/21

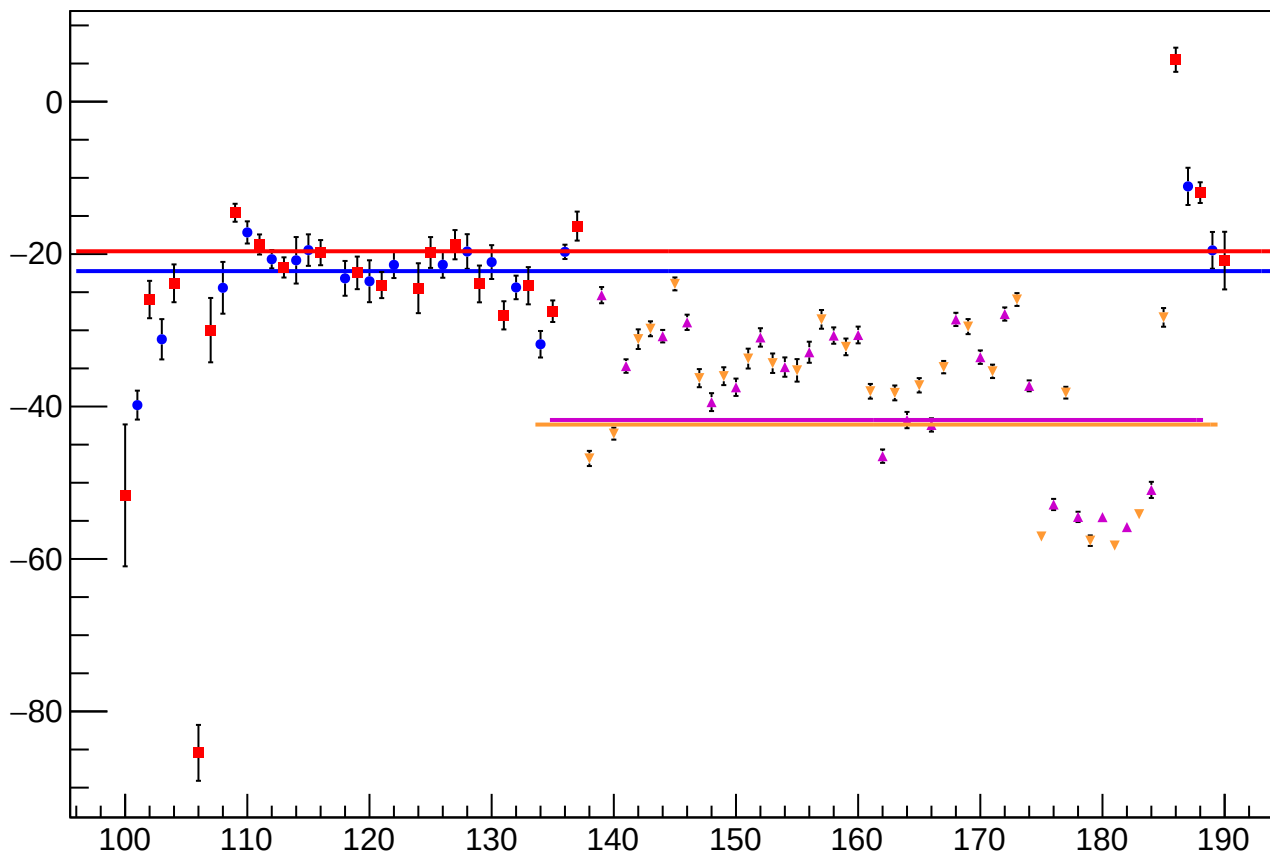
Left In: -0.115 ± 0.003 χ^2/NDF : 290.7/22

+ sign -0.105 ± 0.002 χ^2/NDF : 1422.6/42

All: -0.105 ± 0.002 χ^2/NDF : 4915.1/87

- sign -0.105 ± 0.002 χ^2/NDF : 3492.5/44

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.234 $\pm$ 0.421 χ^2 /NDF: 177.5/17

Left Out: -42.366 $\pm$ 0.175 χ^2 /NDF: 4477.3/24

Right Out: -19.630 $\pm$ 0.399 χ^2 /NDF: 726.2/21

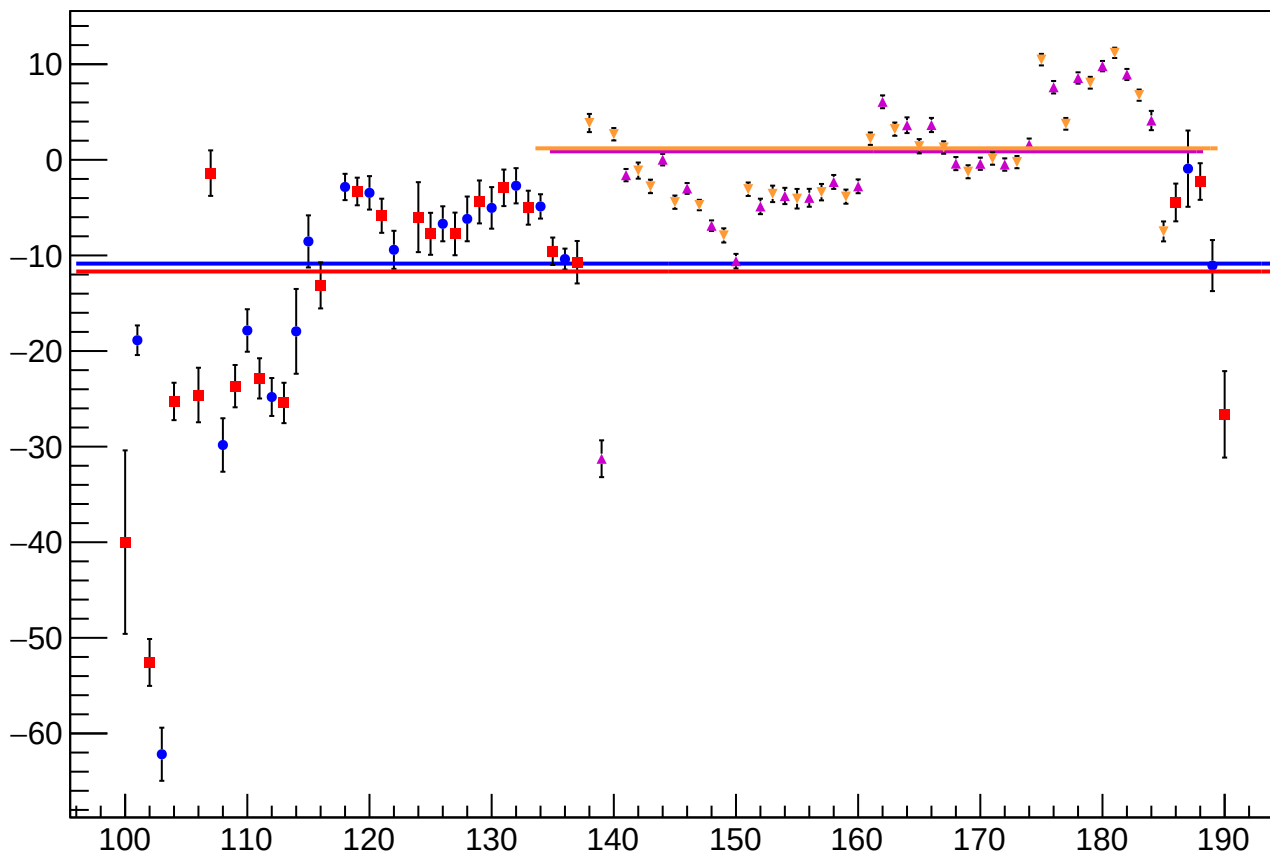
Left In: -41.764 $\pm$ 0.182 χ^2 /NDF: 3459.2/22

+ sign -39.397 $\pm$ 0.162 χ^2 /NDF: 6601.8/42

All: -38.693 $\pm$ 0.116 χ^2 /NDF: 13377.3/87

- sign -37.958 $\pm$ 0.165 χ^2 /NDF: 6736.8/44

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.856 ± 0.444 χ^2/NDF : 593.6/17

Left Out: 1.203 ± 0.138 χ^2/NDF : 1463.6/24

Right Out: -11.680 ± 0.452 χ^2/NDF : 623.9/21

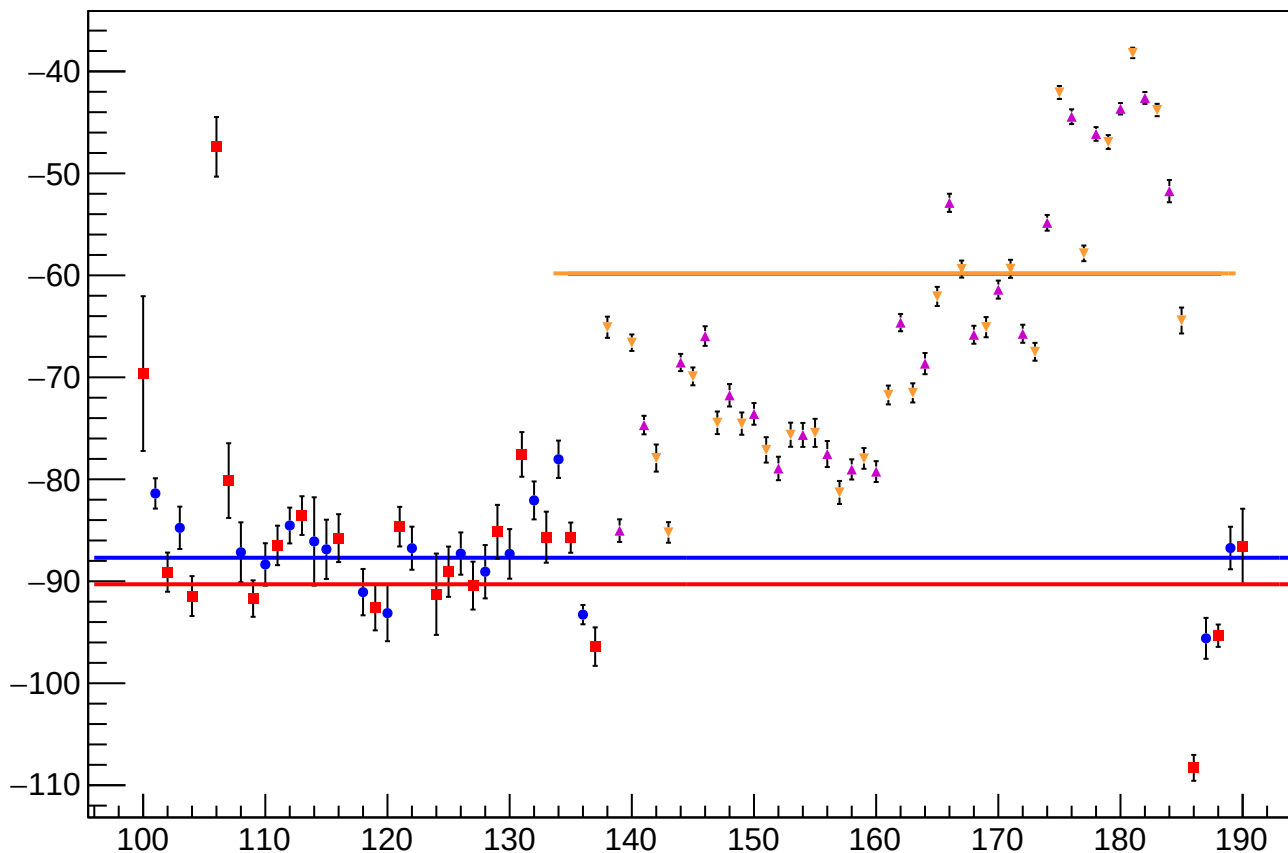
Left In: 0.889 ± 0.143 χ^2/NDF : 1763.7/22

+ sign 0.139 ± 0.132 χ^2/NDF : 2729.2/42

All: -0.051 ± 0.095 χ^2/NDF : 5824.6/87

- sign -0.254 ± 0.136 χ^2/NDF : 3091.1/44

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.693 ± 0.456 χ^2/NDF : 117.6/17

Left Out: -59.809 ± 0.175 χ^2/NDF : 6645.1/24

Right Out: -90.293 ± 0.429 χ^2/NDF : 546.0/21

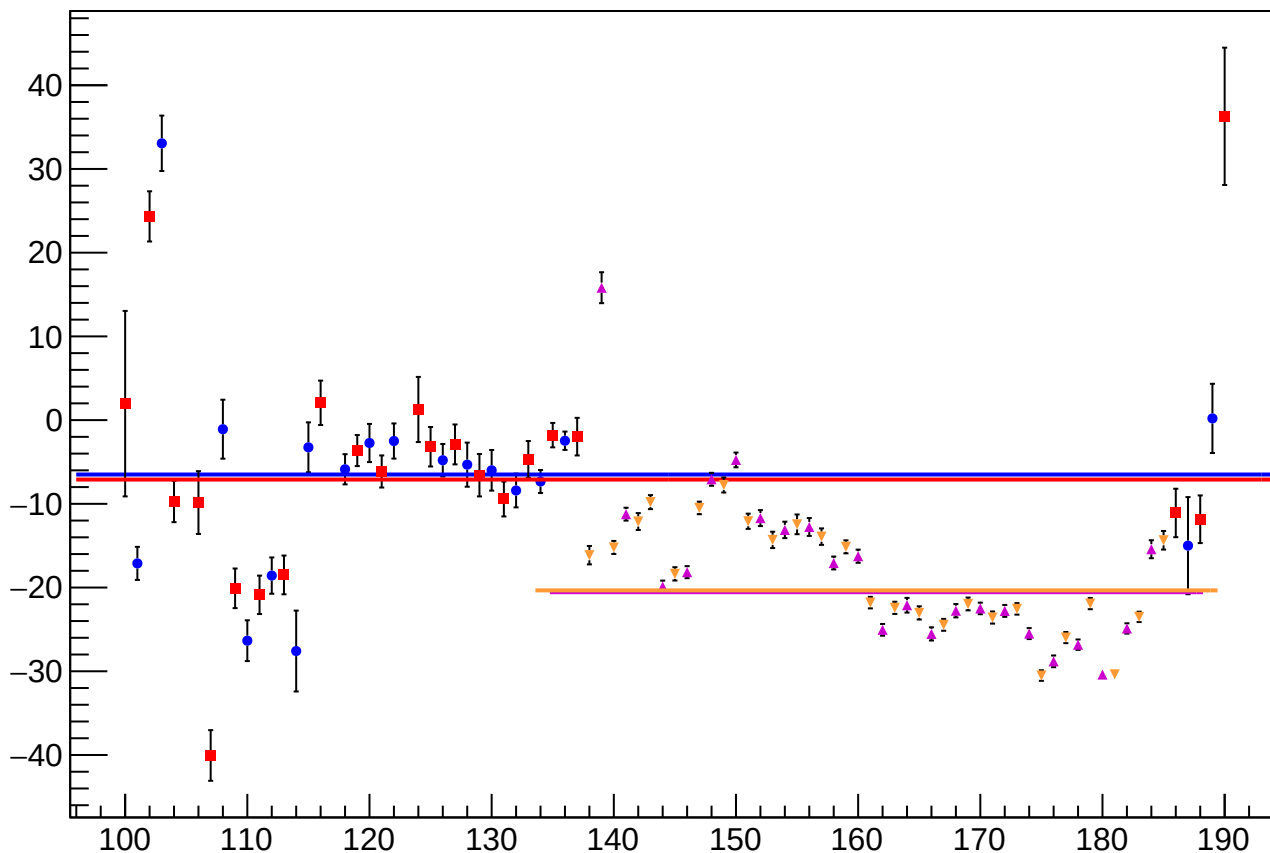
Left In: -59.846 ± 0.181 χ^2/NDF : 5534.1/22

+ sign -63.399 ± 0.164 χ^2/NDF : 10019.9/42

All: -63.914 ± 0.117 χ^2/NDF : 20394.5/87

- sign -64.448 ± 0.167 χ^2/NDF : 10354.4/44

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.499 ± 0.502 χ^2/NDF : 318.7/17

Left Out: -20.339 ± 0.155 χ^2/NDF : 1701.1/24

Right Out: -7.101 ± 0.522 χ^2/NDF : 401.0/21

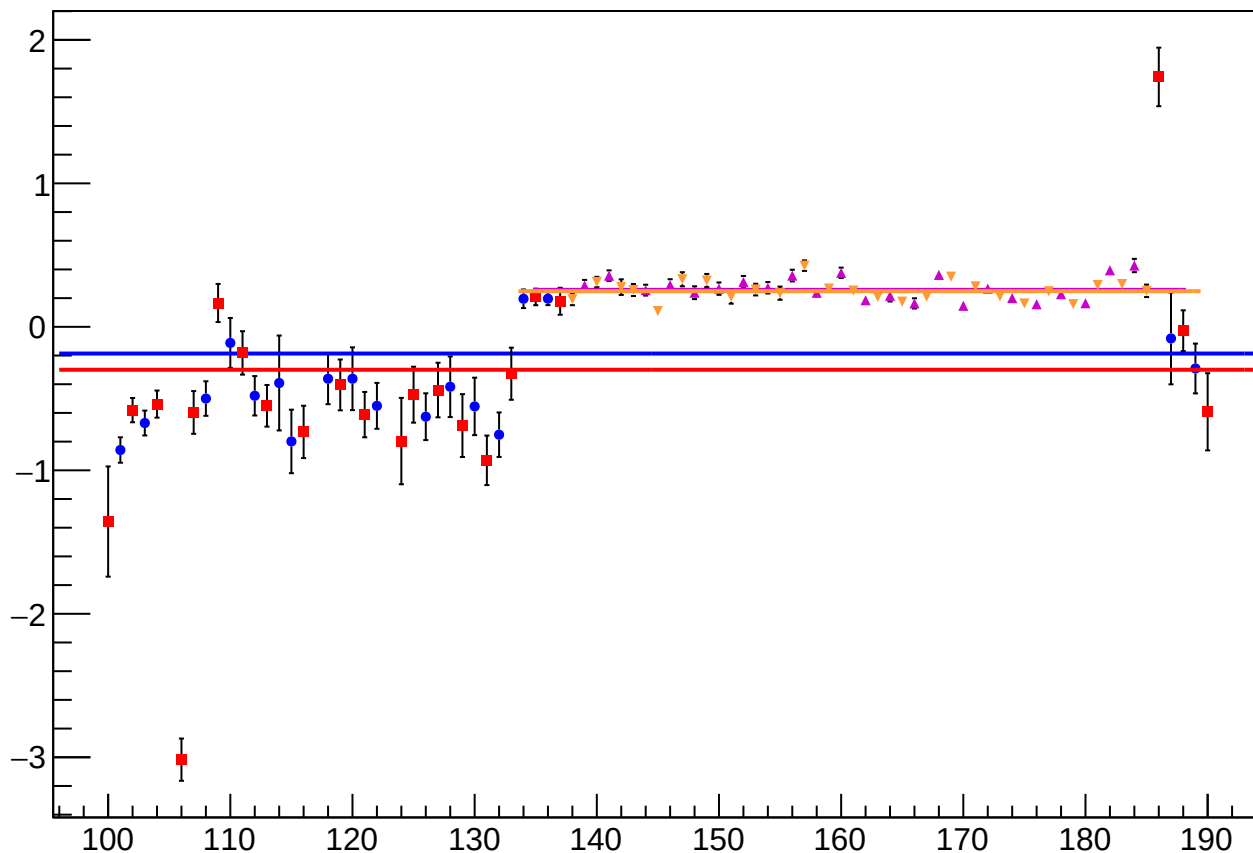
Left In: -20.555 ± 0.160 χ^2/NDF : 2193.8/22

+ sign -19.141 ± 0.148 χ^2/NDF : 2713.5/42

All: -19.269 ± 0.106 χ^2/NDF : 5916.8/87

- sign -19.406 ± 0.153 χ^2/NDF : 3201.7/44

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.186 ± 0.026 χ^2/NDF : 247.8/17

Left Out: 0.249 ± 0.007 χ^2/NDF : 93.2/24

Right Out: -0.299 ± 0.028 χ^2/NDF : 624.4/21

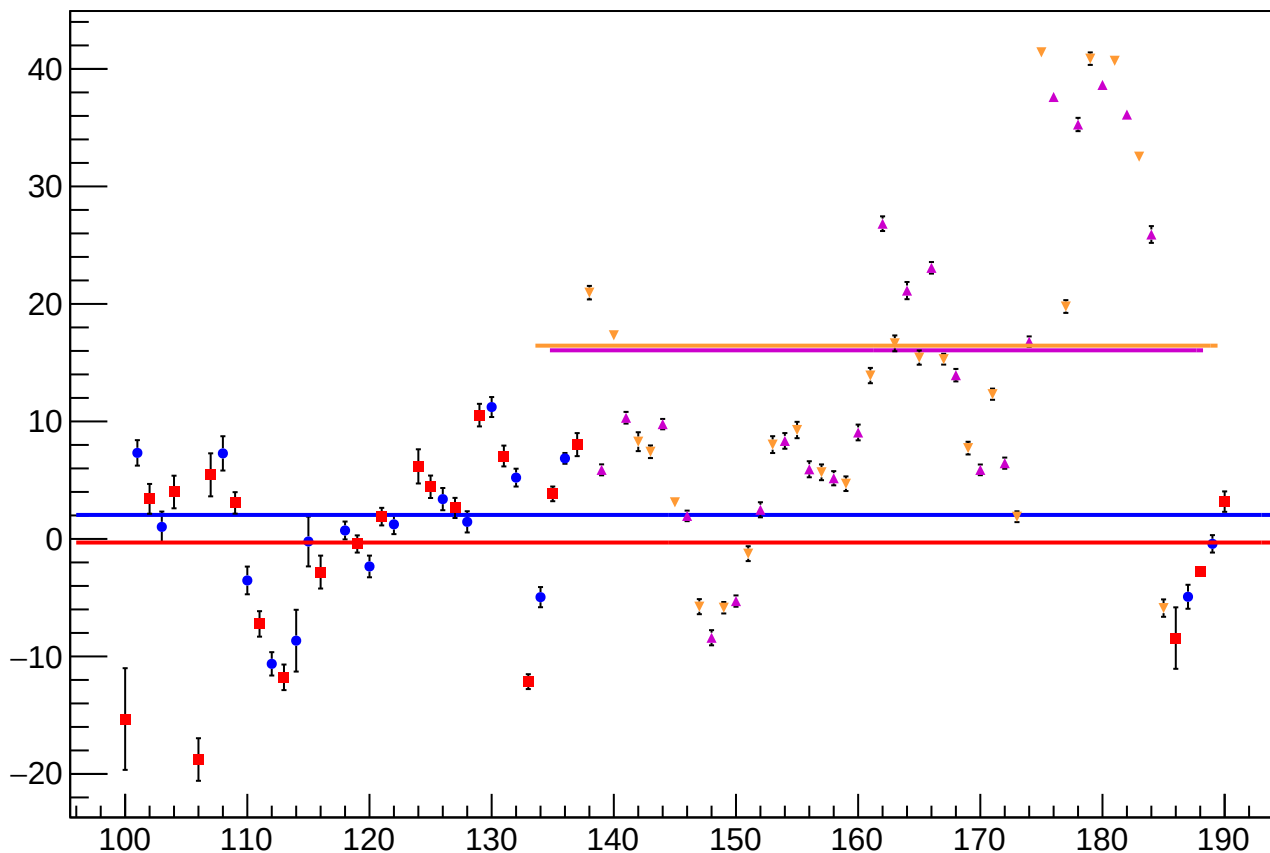
Left In: 0.258 ± 0.007 χ^2/NDF : 134.3/22

+ sign 0.220 ± 0.007 χ^2/NDF : 595.2/42

All: 0.222 ± 0.005 χ^2/NDF : 1718.7/87

- sign 0.224 ± 0.007 χ^2/NDF : 1123.3/44

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.043 ± 0.210 $\chi^2/\text{NDF}: 637.0/17$

Left Out: 16.449 ± 0.104 $\chi^2/\text{NDF}: 21400.3/24$

Right Out: -0.307 ± 0.186 $\chi^2/\text{NDF}: 1108.1/21$

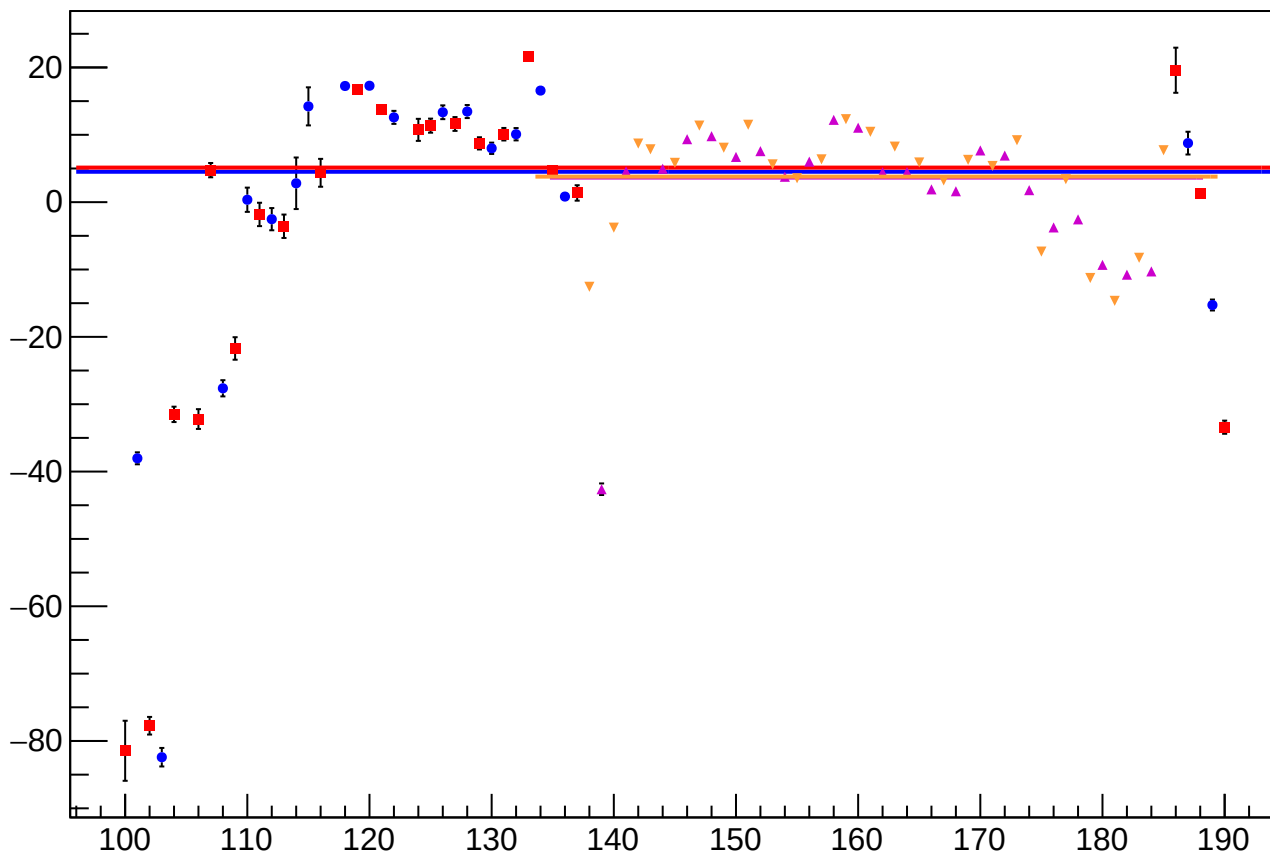
Left In: 16.051 ± 0.107 $\chi^2/\text{NDF}: 17625.1/22$

+ sign 13.610 ± 0.093 $\chi^2/\text{NDF}: 25817.9/42$

All: 12.794 ± 0.066 $\chi^2/\text{NDF}: 50491.3/87$

- sign 11.983 ± 0.093 $\chi^2/\text{NDF}: 24520.5/44$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 4.514 $\pm$ 0.202 χ^2 /NDF: 9568.7/17

Left Out: 3.790 $\pm$ 0.080 χ^2 /NDF: 9100.7/24

Right Out: 5.133 $\pm$ 0.191 χ^2 /NDF: 10134.8/21

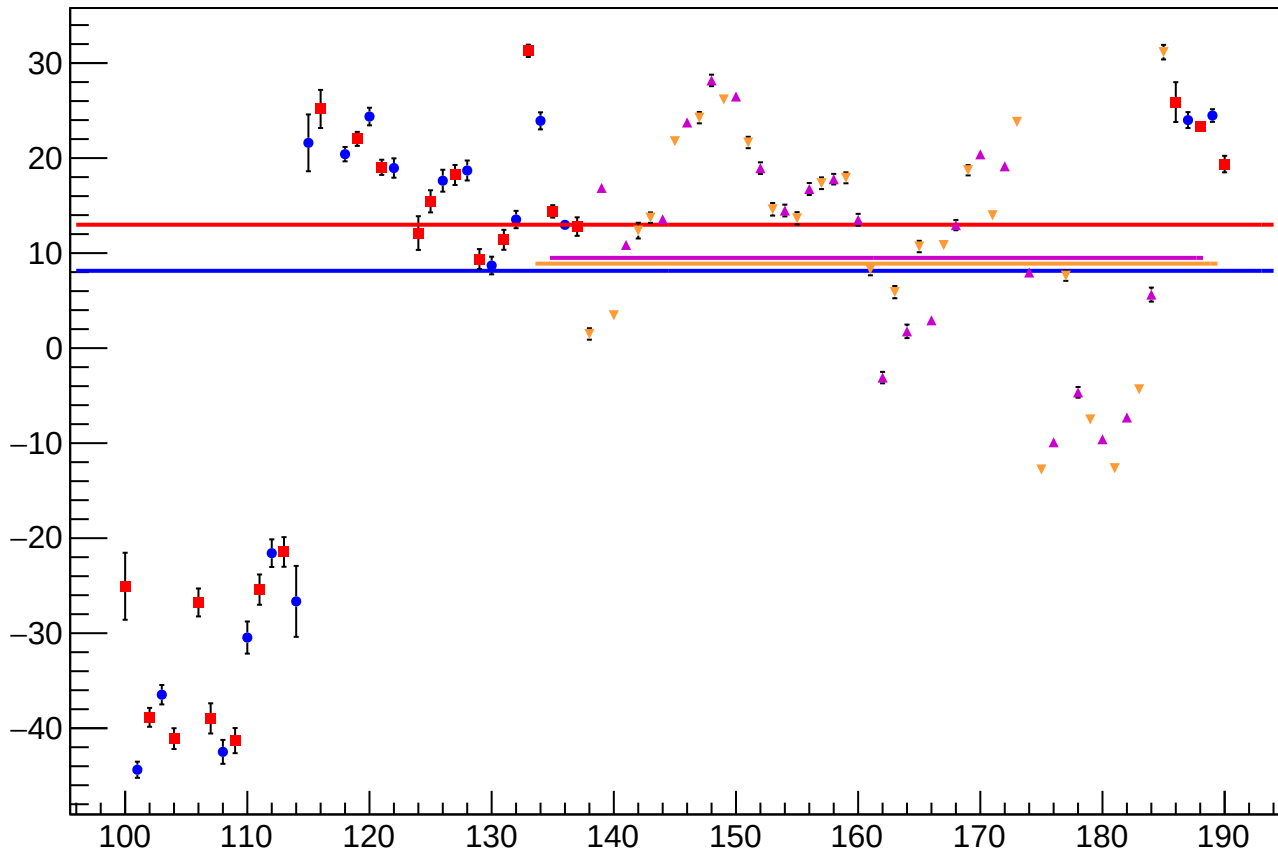
Left In: 3.649 $\pm$ 0.083 χ^2 /NDF: 8310.7/22

+ sign 3.889 $\pm$ 0.074 χ^2 /NDF: 18680.5/42

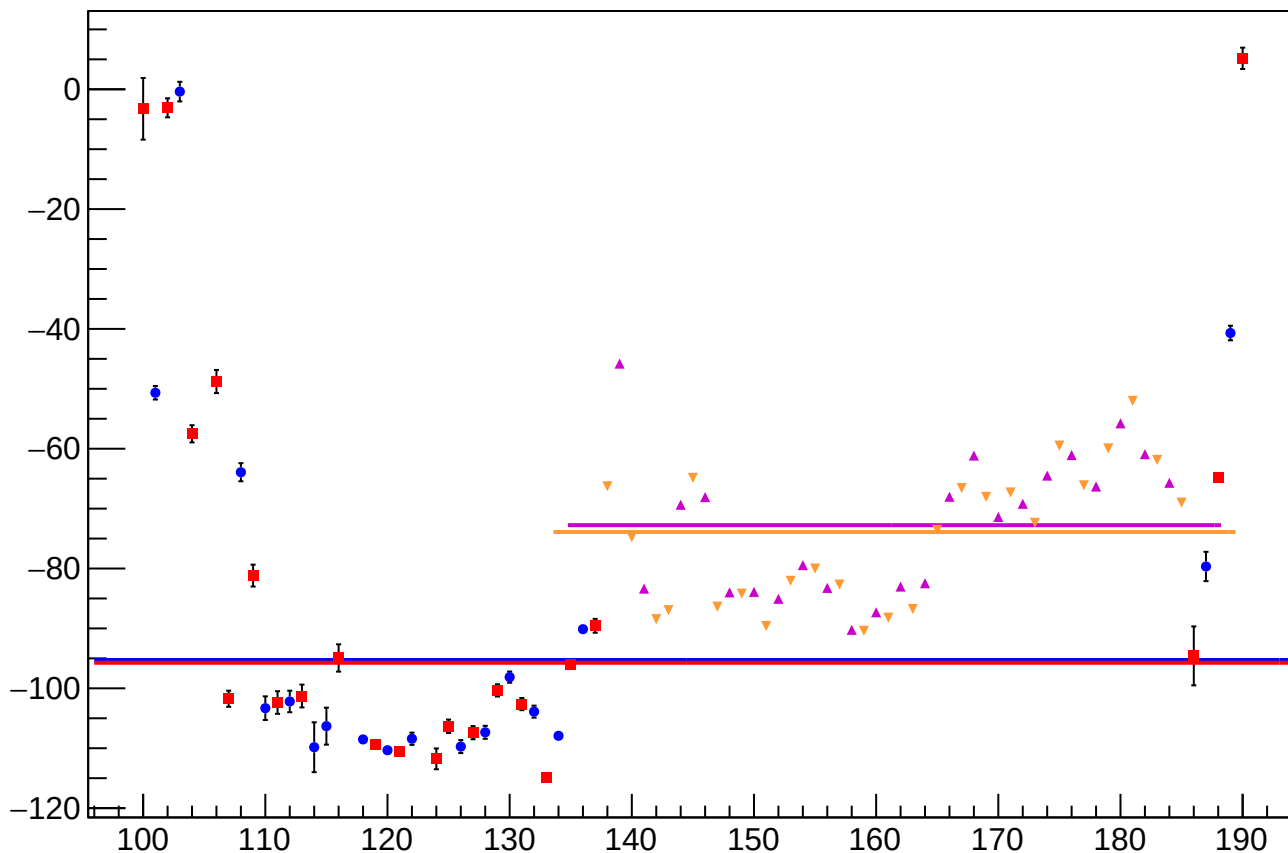
All: 3.887 $\pm$ 0.053 χ^2 /NDF: 37176.8/87

- sign 3.884 $\pm$ 0.076 χ^2 /NDF: 18496.3/44

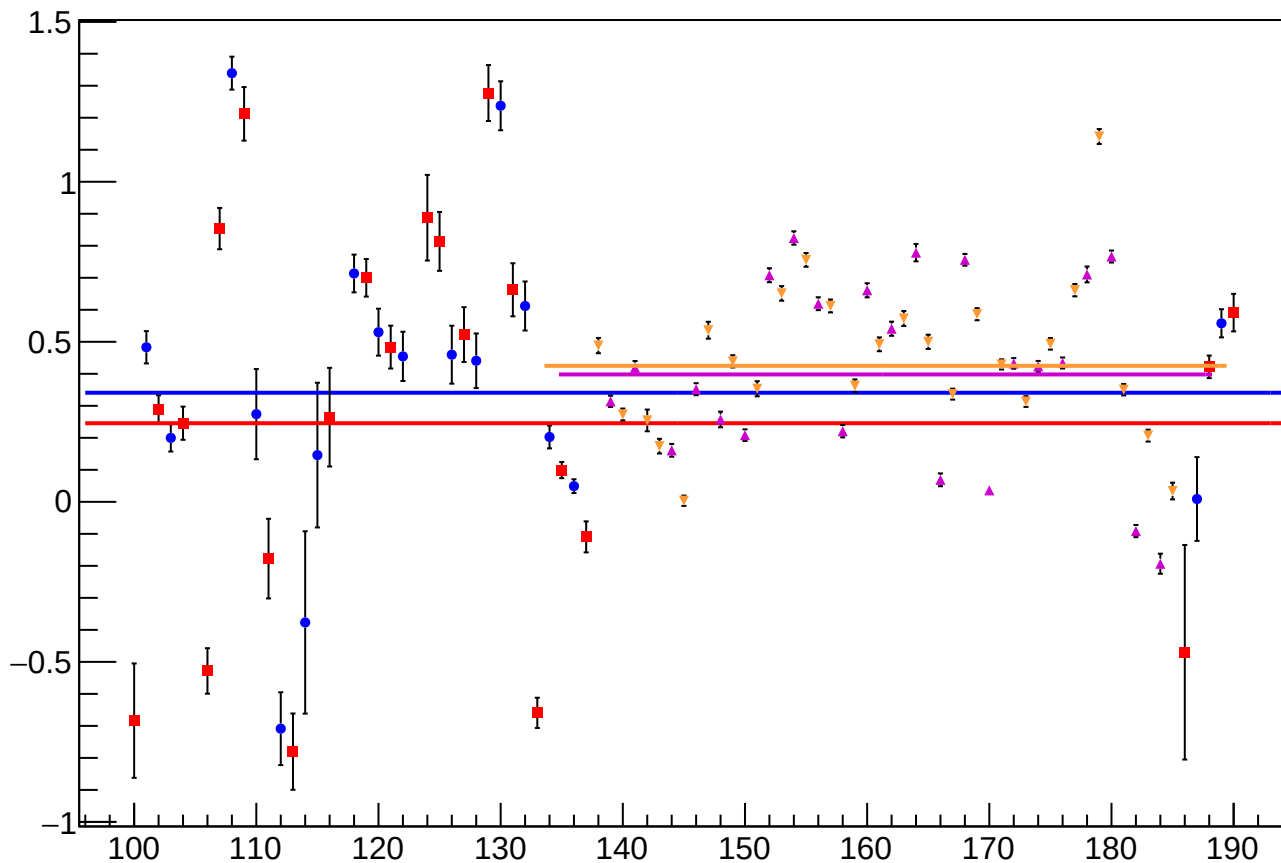
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.341 $\pm$ 0.013 χ^2 /NDF: 918.8/17

Left Out: 0.425 $\pm$ 0.004 χ^2 /NDF:3035.4/24

Right Out: 0.246 $\pm$ 0.013 χ^2 /NDF: 1281.2/21

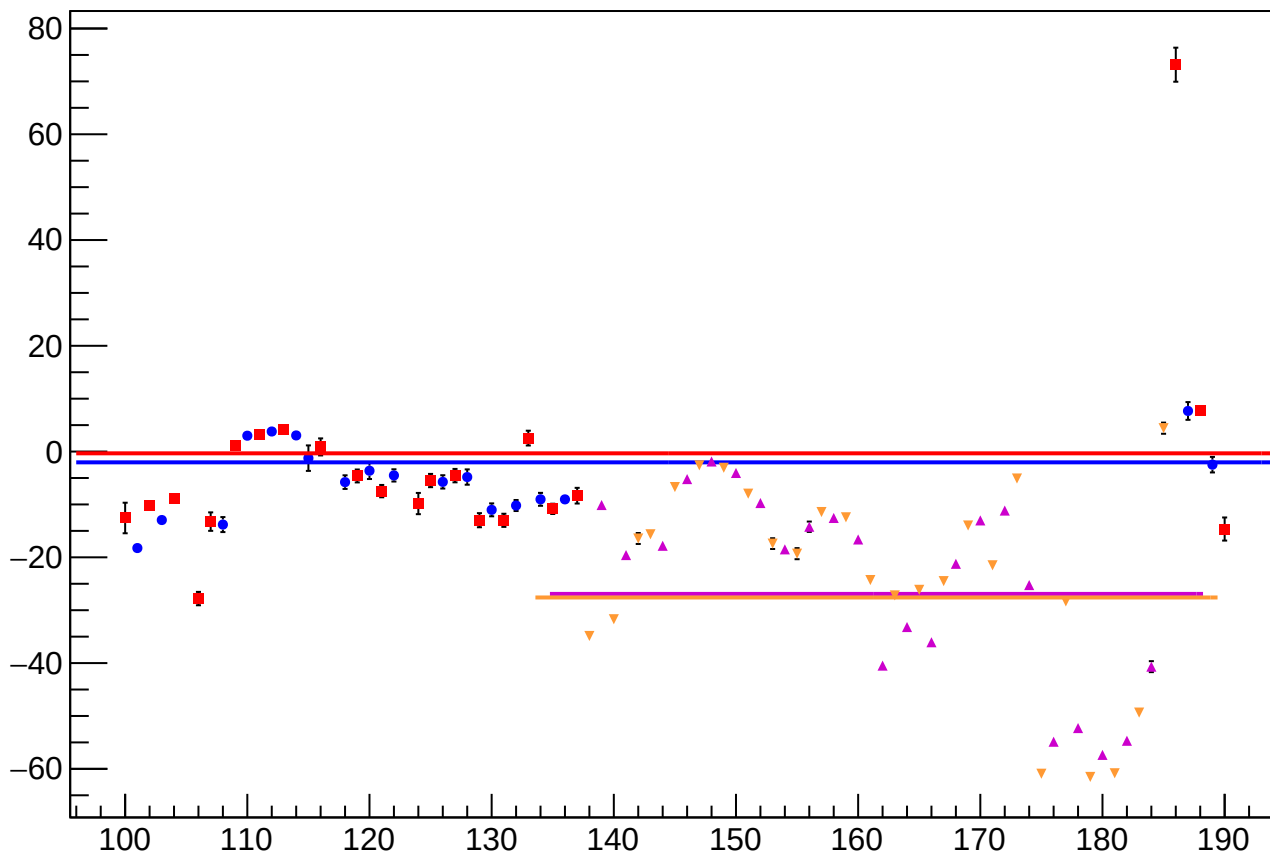
Left In: 0.398 $\pm$ 0.004 χ^2 /NDF:4271.0/22

+ sign 0.417 $\pm$ 0.004 χ^2 /NDF: 3994.2/42

All: 0.400 $\pm$ 0.003 χ^2 /NDF: 9717.1/87

- sign 0.383 $\pm$ 0.004 χ^2 /NDF: 5684.8/44

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.040 ± 0.189 χ^2/NDF : 1525.0/17

Left Out: -27.594 ± 0.144 χ^2/NDF : 19761.6/24

Right Out: -0.334 ± 0.166 χ^2/NDF : 2148.8/21

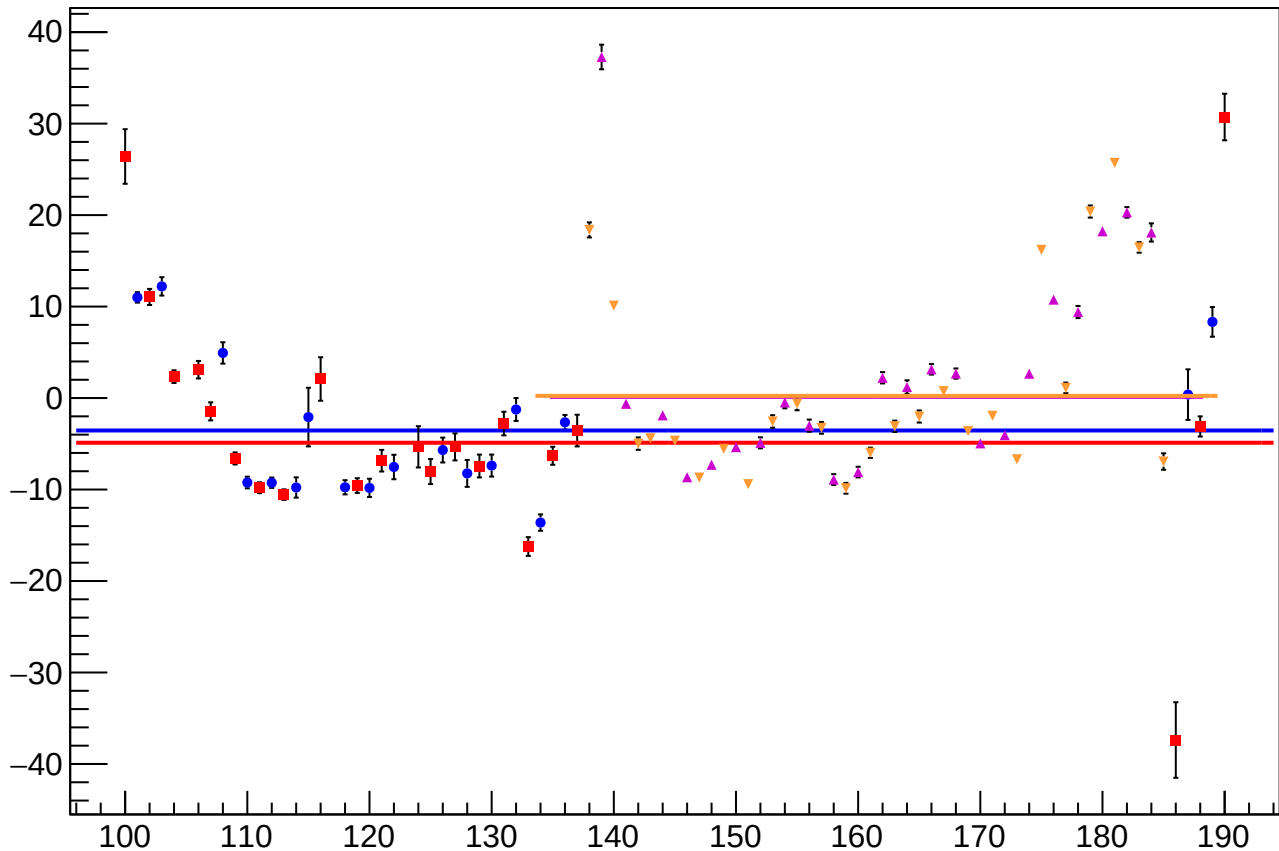
Left In: -26.918 ± 0.149 χ^2/NDF : 15536.6/22

+ sign -18.192 ± 0.115 χ^2/NDF : 32823.0/42

All: -16.548 ± 0.080 χ^2/NDF : 65122.7/87

- sign -15.012 ± 0.111 χ^2/NDF : 31902.3/44

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.544 ± 0.223 χ^2/NDF : 1482.4/17

Left Out: 0.238 ± 0.110 χ^2/NDF : 8035.6/24

Right Out: -4.884 ± 0.214 χ^2/NDF : 1242.1/21

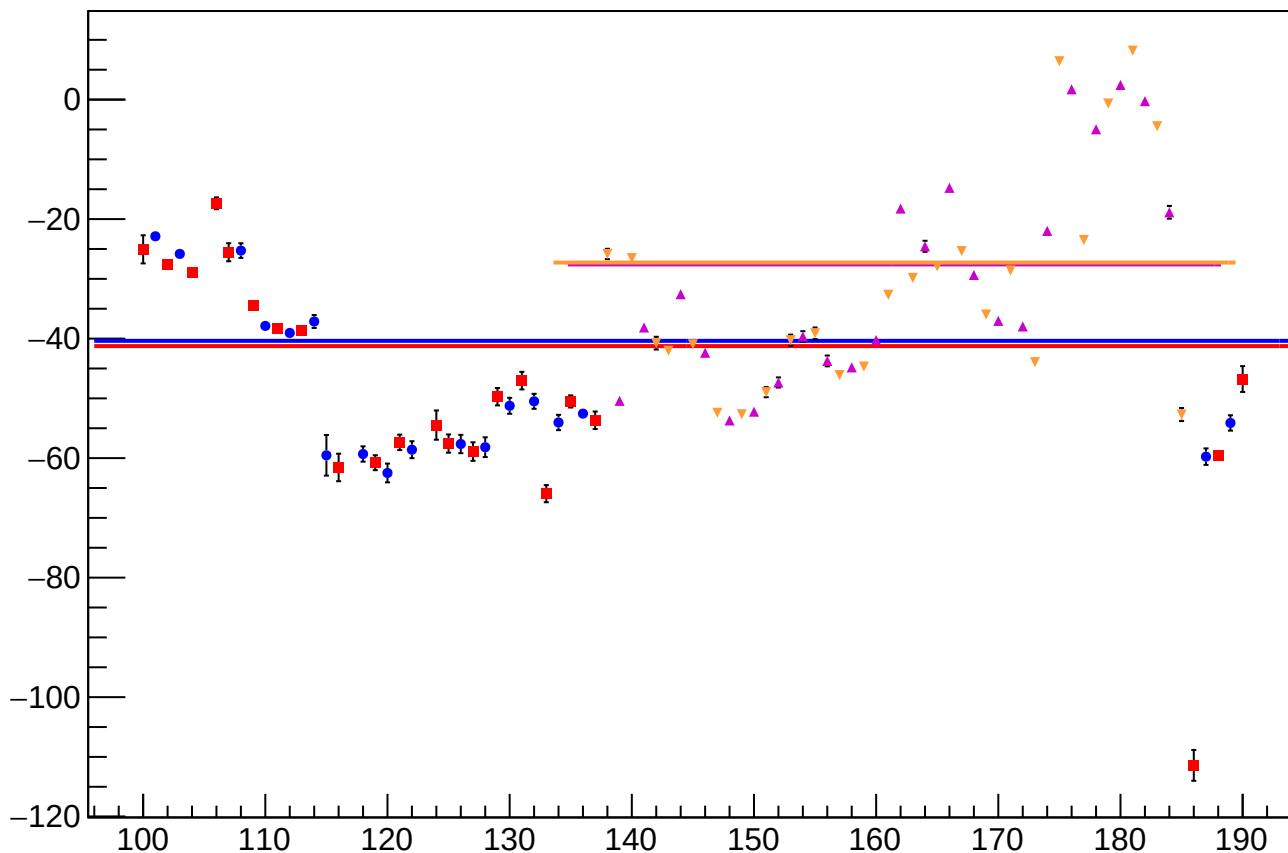
Left In: 0.131 ± 0.114 χ^2/NDF : 5837.4/22

+ sign -0.506 ± 0.099 χ^2/NDF : 9749.5/42

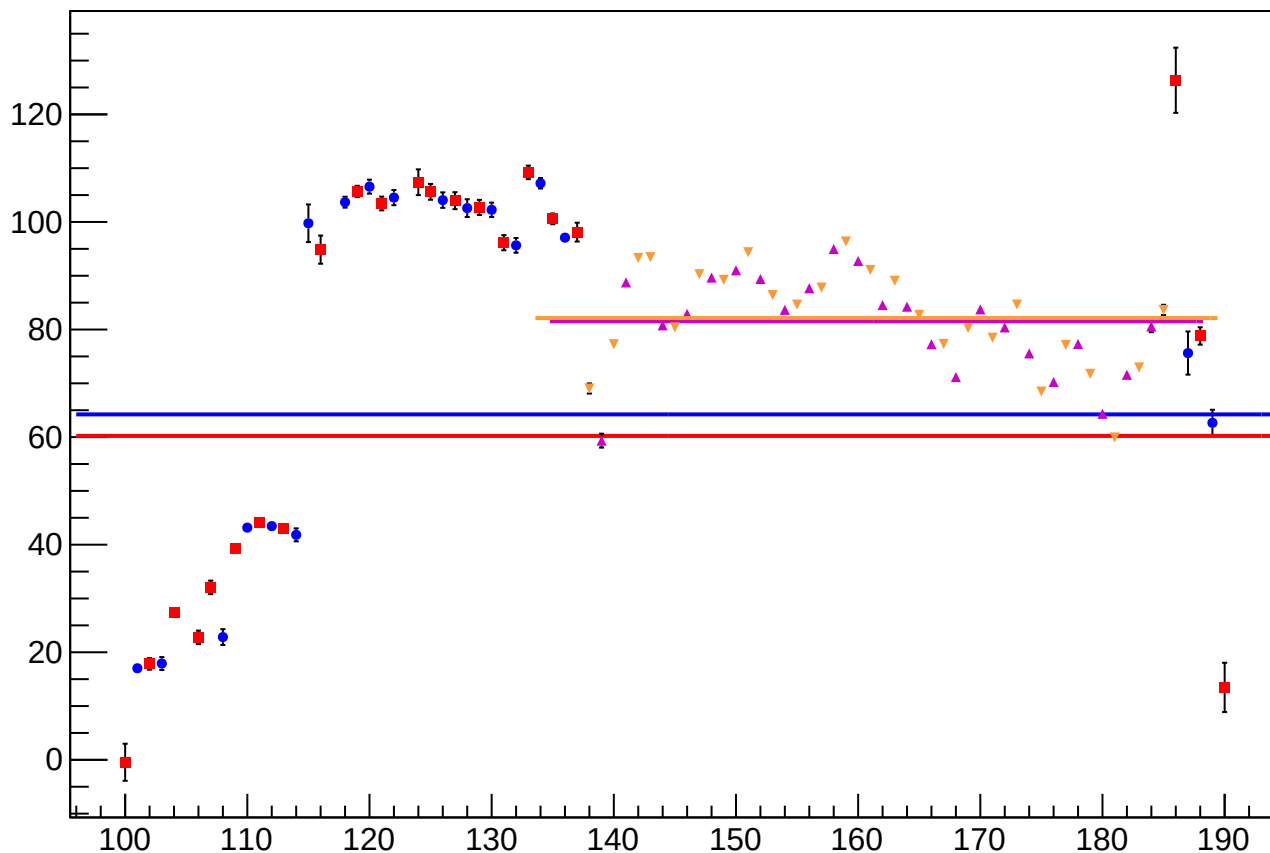
All: -0.743 ± 0.071 χ^2/NDF : 17269.2/87

- sign -0.988 ± 0.101 χ^2/NDF : 7508.1/44

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.225 $\pm$ 0.256 χ^2 /NDF: 18604.9/17

Left Out: 82.134 $\pm$ 0.125 χ^2 /NDF: 5375.9/24

Right Out: 60.220 $\pm$ 0.245 χ^2 /NDF: 17789.7/21

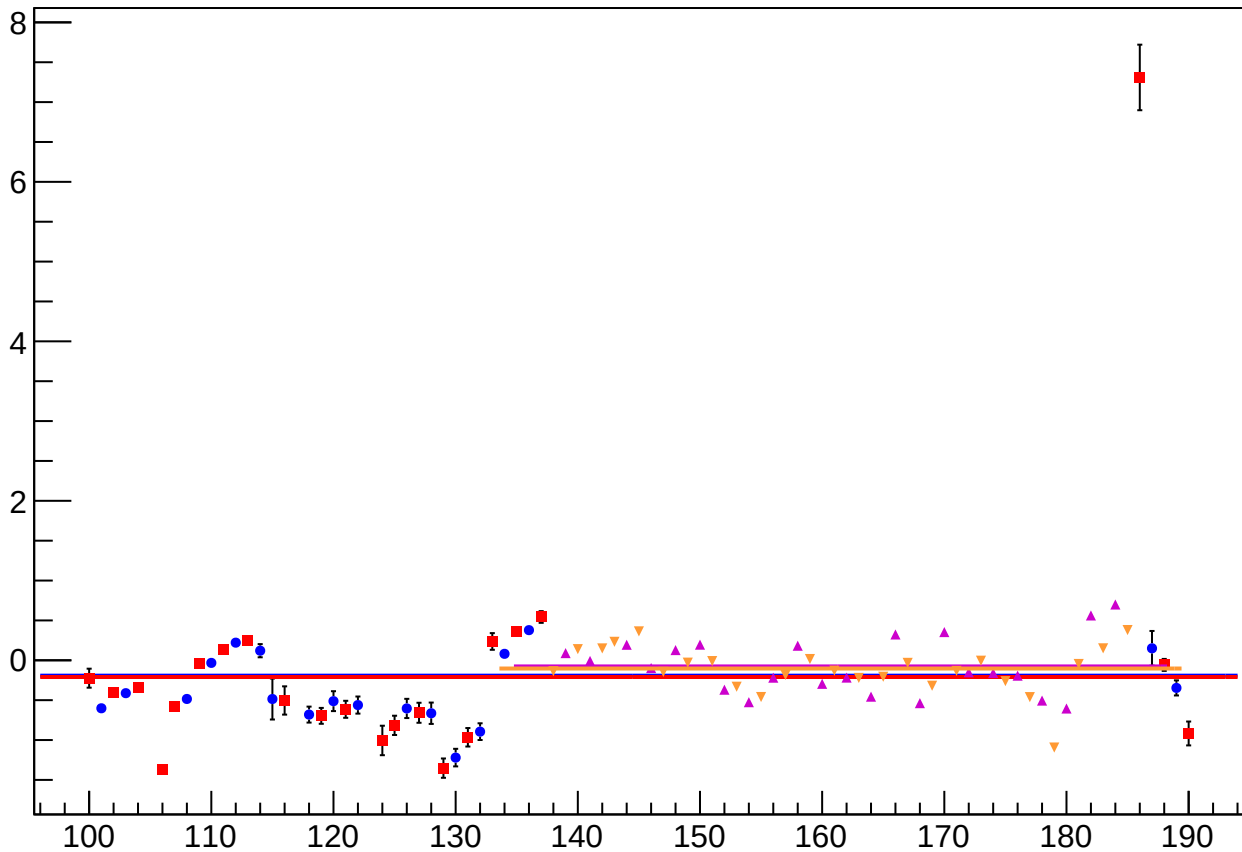
Left In: 81.539 $\pm$ 0.129 χ^2 /NDF: 4043.0/22

+ sign 78.687 $\pm$ 0.112 χ^2 /NDF: 27946.8/42

All: 77.821 $\pm$ 0.080 χ^2 /NDF: 55819.6/87

- sign 76.922 $\pm$ 0.114 χ^2 /NDF: 27751.2/44

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.193 ± 0.013 χ^2/NDF : 923.5/17

Left Out: -0.103 ± 0.006 χ^2/NDF : 2408.2/24

Right Out: -0.210 ± 0.013 χ^2/NDF : 1729.5/21

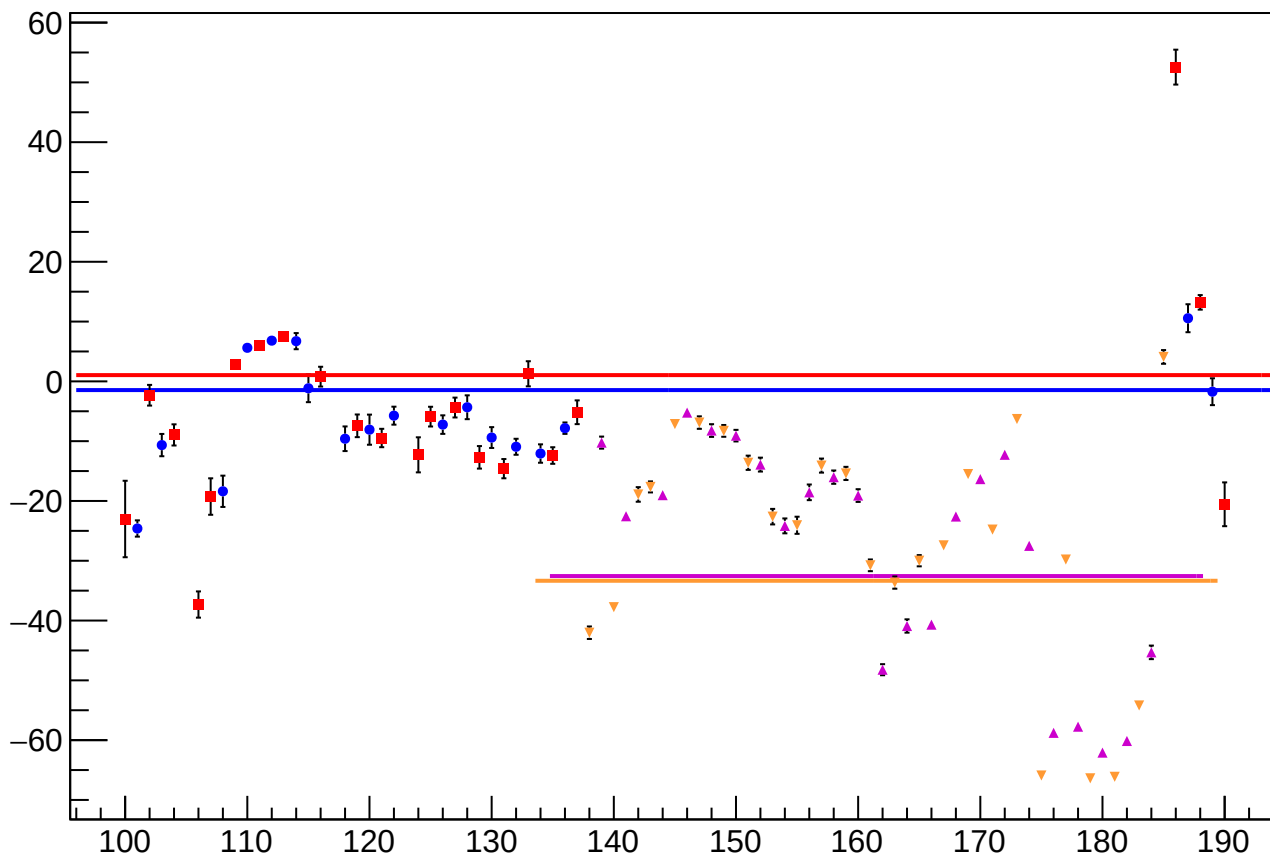
Left In: -0.077 ± 0.006 χ^2/NDF : 3320.8/22

+ sign -0.117 ± 0.005 χ^2/NDF : 3370.3/42

All: -0.108 ± 0.004 χ^2/NDF : 8516.8/87

- sign -0.099 ± 0.005 χ^2/NDF : 5140.9/44

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.458 ± 0.303 χ^2/NDF : 927.1/17

Left Out: -33.346 ± 0.165 χ^2/NDF : 17989.6/24

Right Out: 1.047 ± 0.273 χ^2/NDF : 1389.7/21

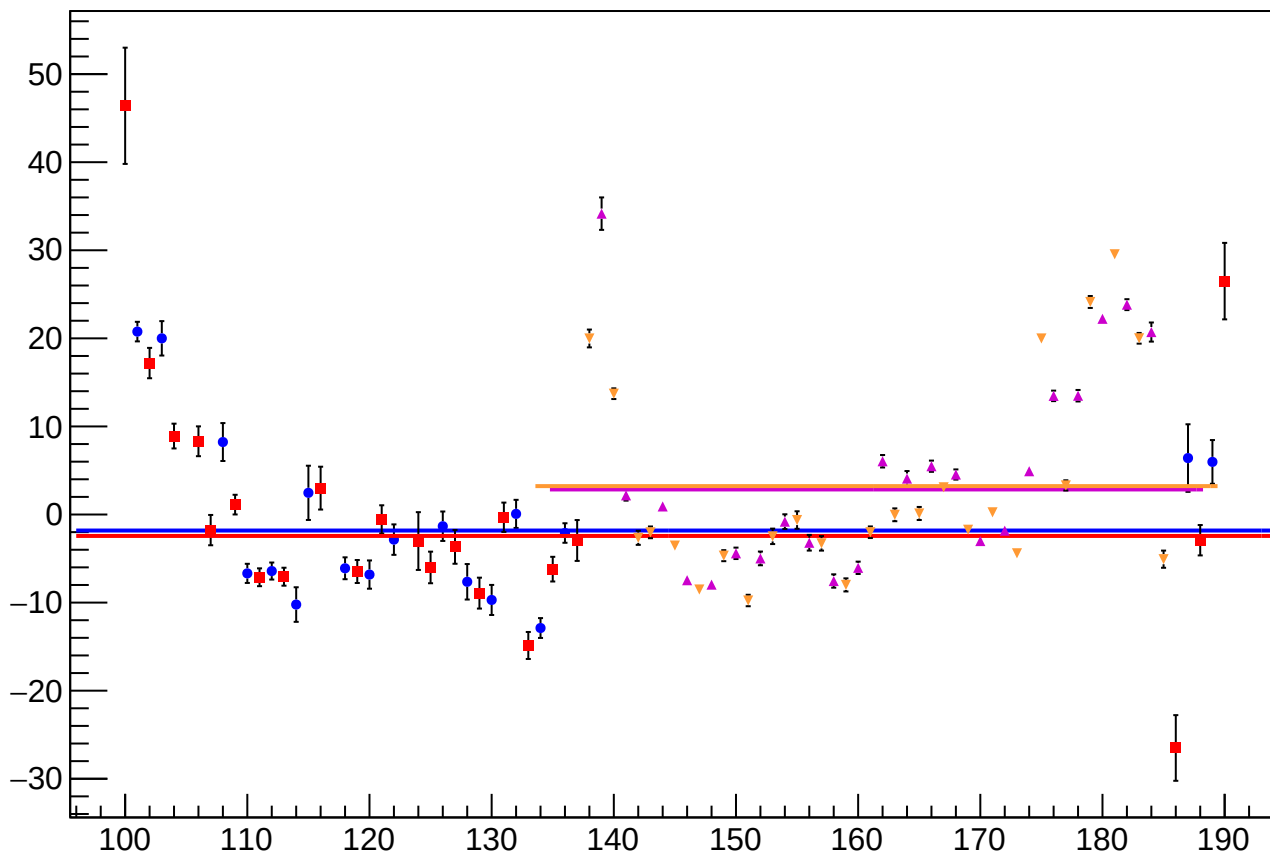
Left In: -32.559 ± 0.169 χ^2/NDF : 13896.0/22

+ sign -26.066 ± 0.145 χ^2/NDF : 27484.0/42

All: -24.626 ± 0.102 χ^2/NDF : 53925.1/87

- sign -23.199 ± 0.144 χ^2/NDF : 26243.5/44

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -1.819 ± 0.351 χ^2/NDF : 786.8/17

Left Out: 3.224 ± 0.128 χ^2/NDF : 7675.6/24

Right Out: -2.431 ± 0.345 χ^2/NDF : 537.1/21

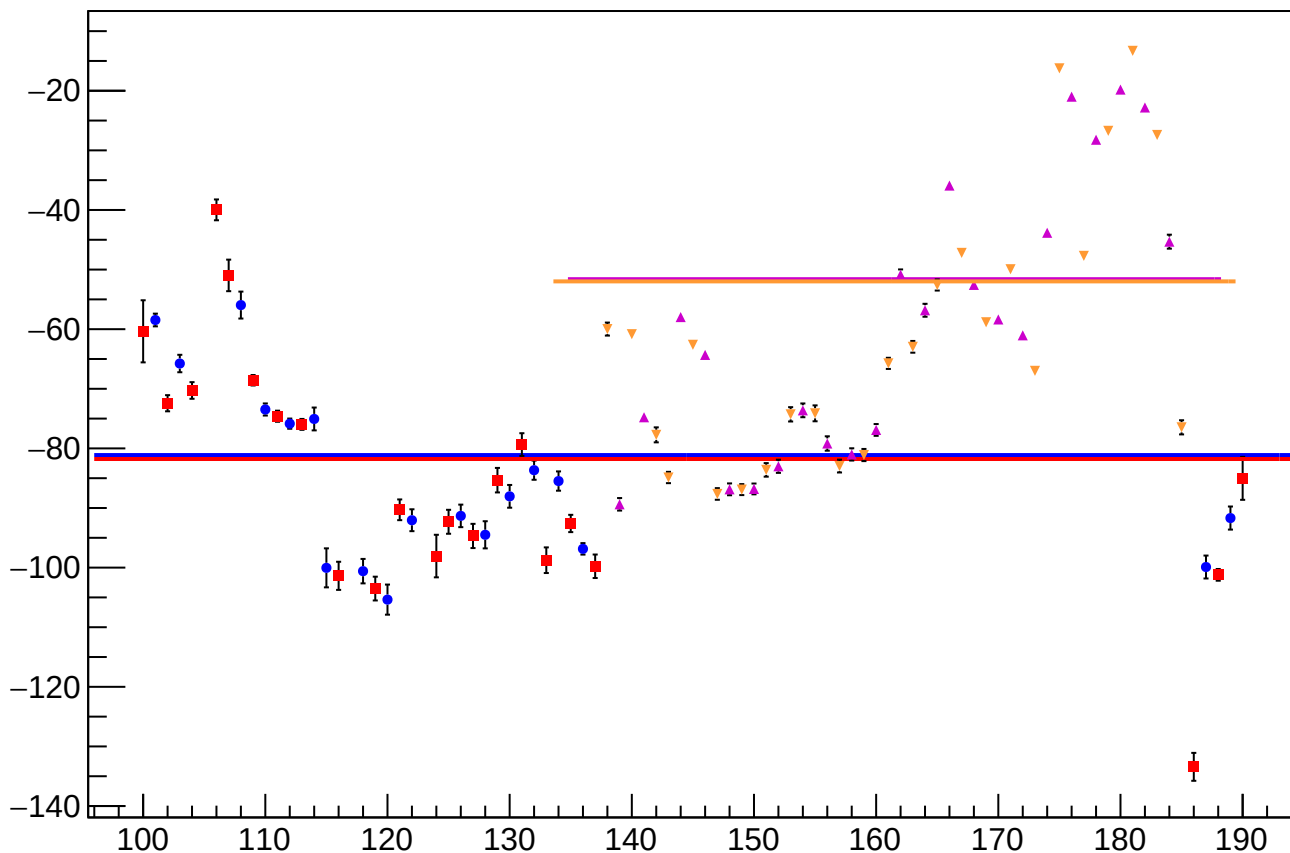
Left In: 2.845 ± 0.131 χ^2/NDF : 5455.5/22

+ sign 2.631 ± 0.120 χ^2/NDF : 8644.5/42

All: 2.410 ± 0.086 χ^2/NDF : 14848.0/87

- sign 2.180 ± 0.123 χ^2/NDF : 6196.6/44

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -81.118 ± 0.352 χ^2/NDF : 1520.7/17

Left Out: -51.982 ± 0.165 χ^2/NDF : 20887.7/24

Right Out: -81.779 ± 0.328 χ^2/NDF : 2549.6/21

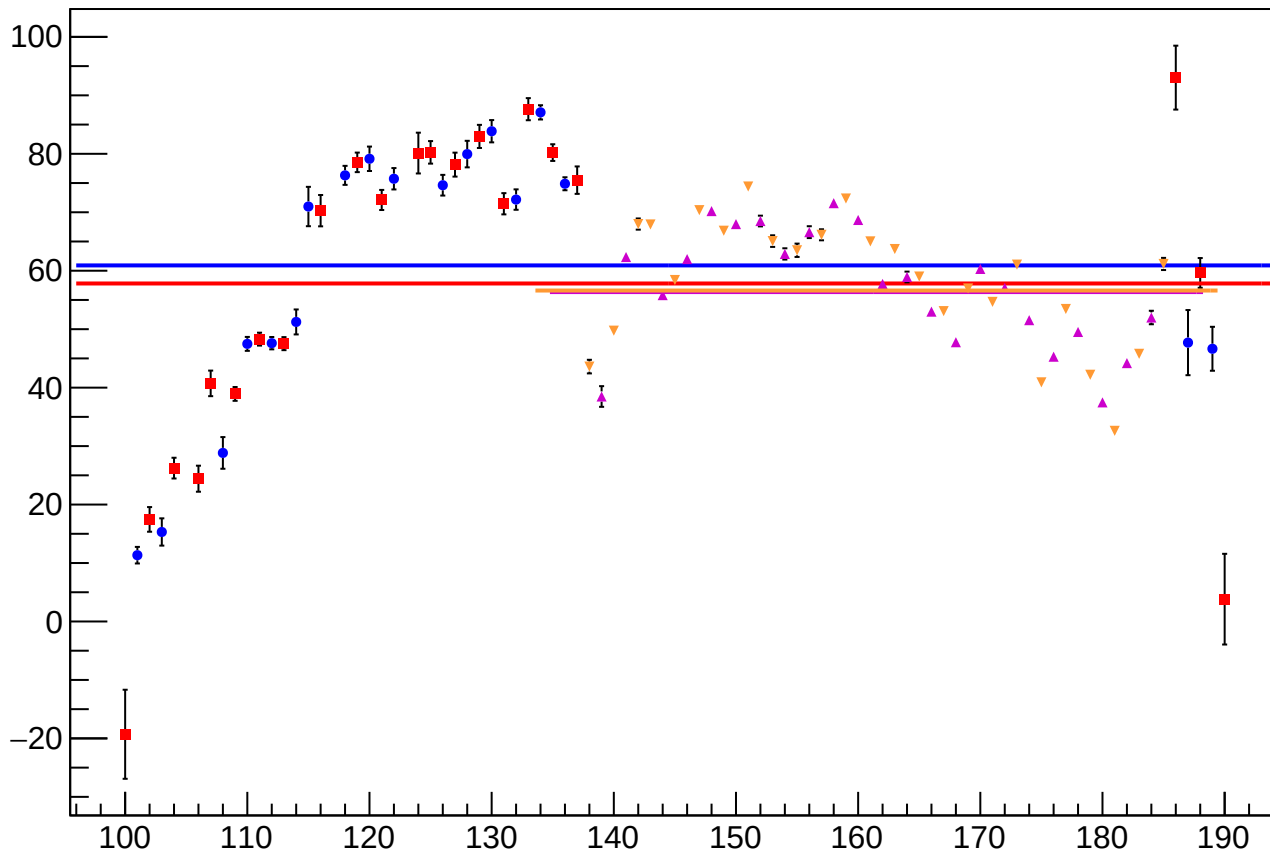
Left In: -51.612 ± 0.169 χ^2/NDF : 17624.2/22

+ sign -57.219 ± 0.149 χ^2/NDF : 28025.9/42

All: -57.580 ± 0.106 χ^2/NDF : 54895.0/87

- sign -57.945 ± 0.150 χ^2/NDF : 26857.3/44

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 60.909 ± 0.397 χ^2/NDF : 3249.6/17

Left Out: 56.612 ± 0.144 χ^2/NDF : 5666.2/24

Right Out: 57.817 ± 0.394 χ^2/NDF : 2866.1/21

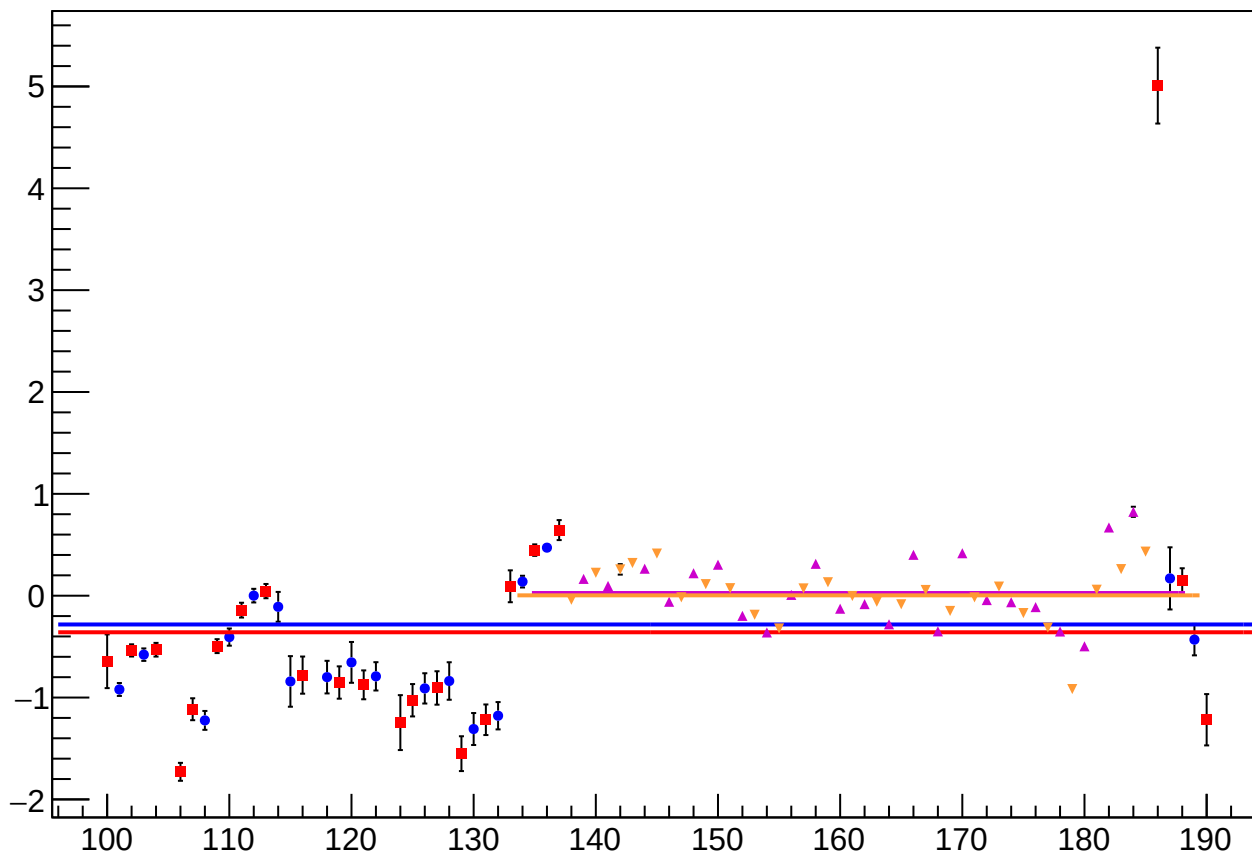
Left In: 56.348 ± 0.147 χ^2/NDF : 3968.7/22

+ sign 57.110 ± 0.135 χ^2/NDF : 9019.2/42

All: 56.825 ± 0.097 χ^2/NDF : 15875.3/87

- sign 56.528 ± 0.138 χ^2/NDF : 6847.0/44

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.282 ± 0.021 χ^2/NDF : 731.4/17

Left Out: 0.004 ± 0.006 χ^2/NDF : 1701.0/24

Right Out: -0.359 ± 0.021 χ^2/NDF : 1056.7/21

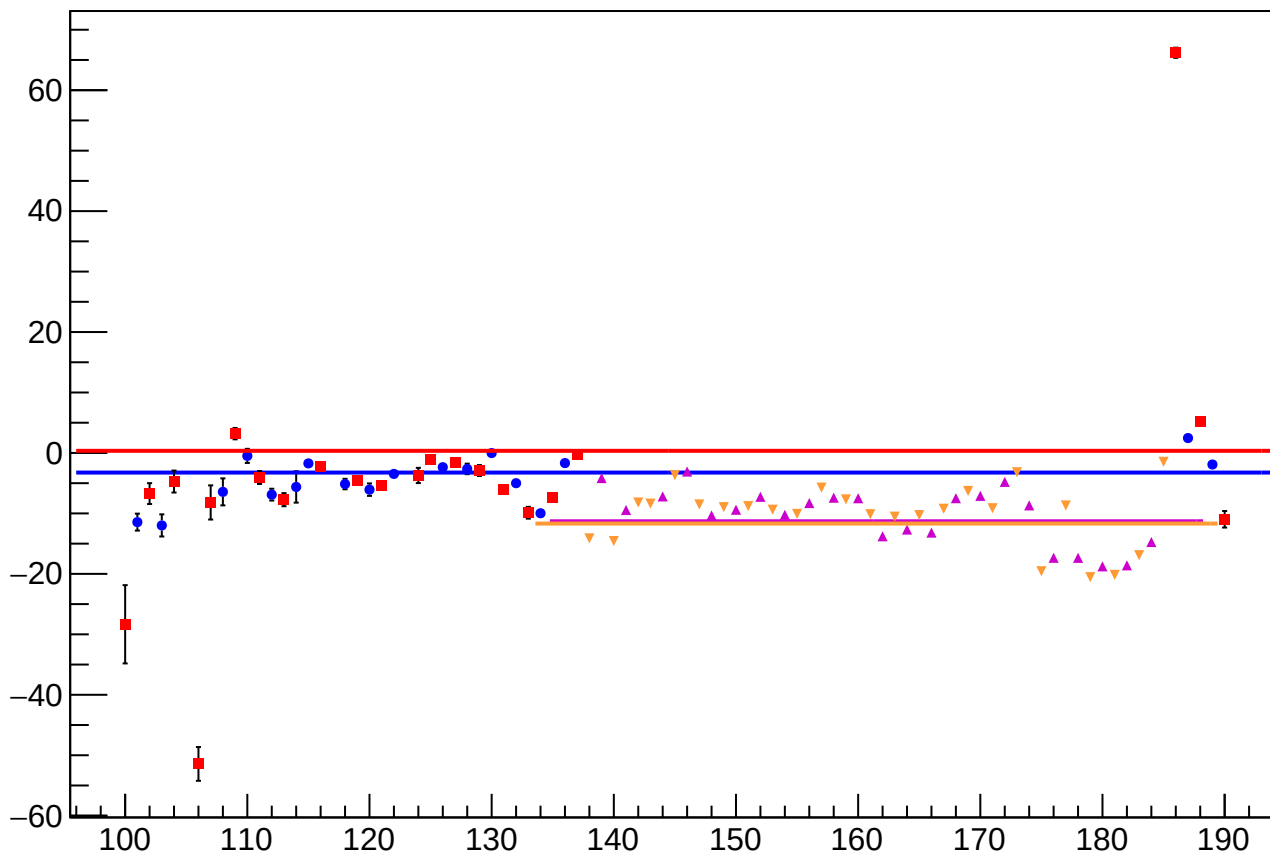
Left In: 0.026 ± 0.007 χ^2/NDF : 2349.0/22

+ sign -0.020 ± 0.006 χ^2/NDF : 2596.5/42

All: -0.014 ± 0.004 χ^2/NDF : 6299.4/87

- sign -0.007 ± 0.006 χ^2/NDF : 3700.6/44

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.242 ± 0.179 χ^2/NDF : 291.7/17

Left Out: -11.680 ± 0.053 χ^2/NDF : 12602.3/24

Right Out: 0.353 ± 0.175 χ^2/NDF : 7355.0/21

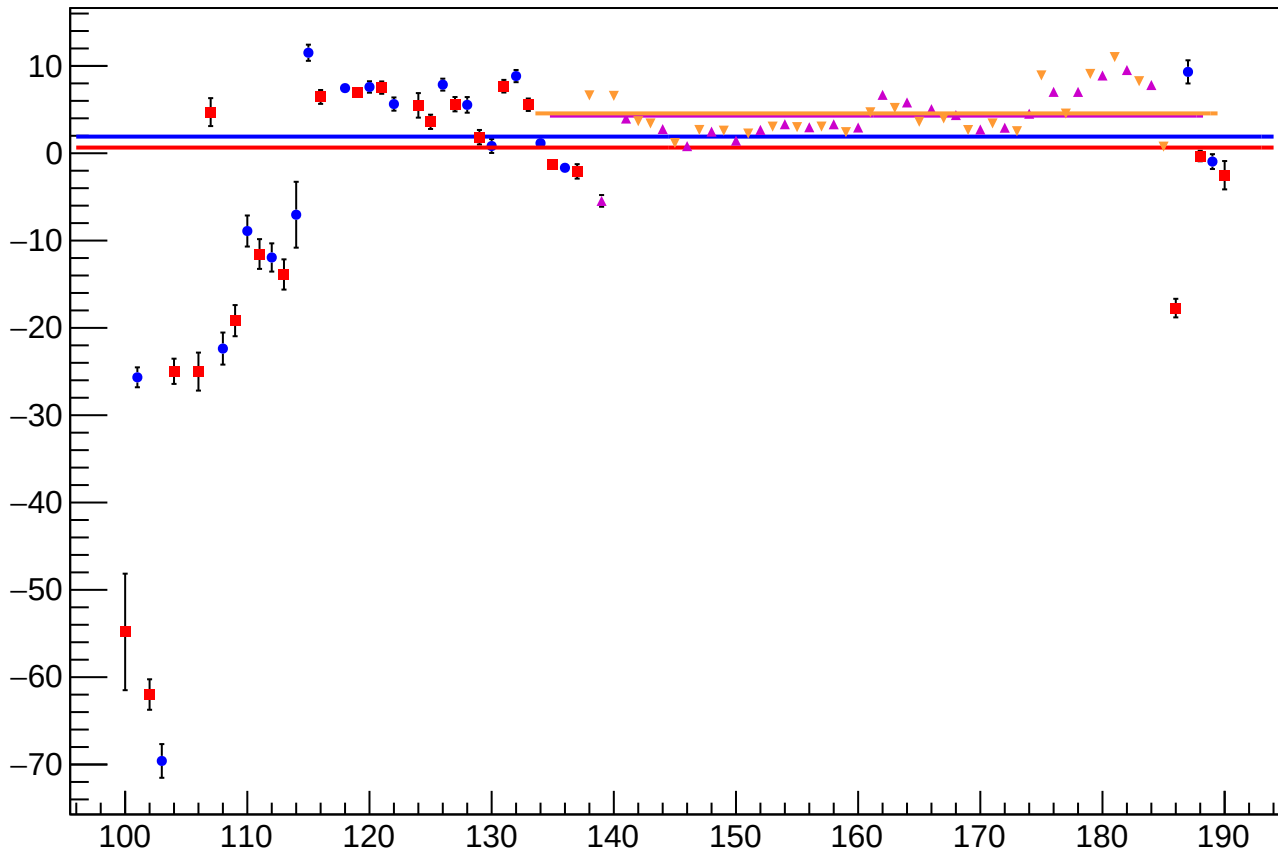
Left In: -11.301 ± 0.054 χ^2/NDF : 9229.2/22

+ sign -11.008 ± 0.051 χ^2/NDF : 14938.5/42

All: -10.657 ± 0.036 χ^2/NDF : 35664.5/87

- sign -10.291 ± 0.052 χ^2/NDF : 20627.2/44

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.907 ± 0.183 χ^2/NDF : 2880.7/17

Left Out: 4.564 ± 0.041 χ^2/NDF : 4356.3/24

Right Out: 0.651 ± 0.192 χ^2/NDF : 2882.4/21

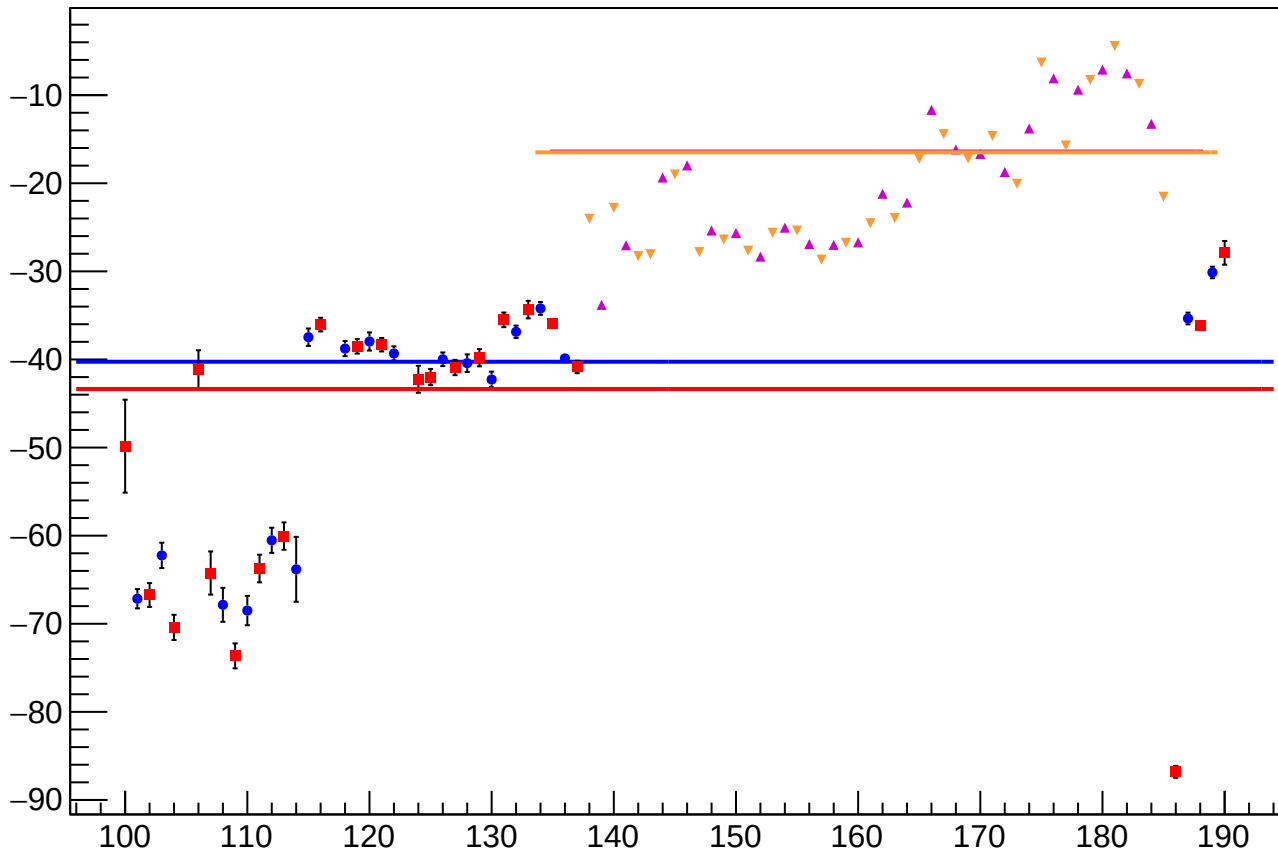
Left In: 4.308 ± 0.042 χ^2/NDF : 3609.0/22

+ sign 4.434 ± 0.040 χ^2/NDF : 7438.0/42

All: 4.290 ± 0.029 χ^2/NDF : 14301.3/87

- sign 4.140 ± 0.041 χ^2/NDF : 6837.3/44

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -40.259 ± 0.190 $\chi^2/\text{NDF}: 1978.4/17$

Left Out: -16.492 ± 0.053 $\chi^2/\text{NDF}: 21982.6/24$

Right Out: -43.351 ± 0.181 $\chi^2/\text{NDF}: 6723.5/21$

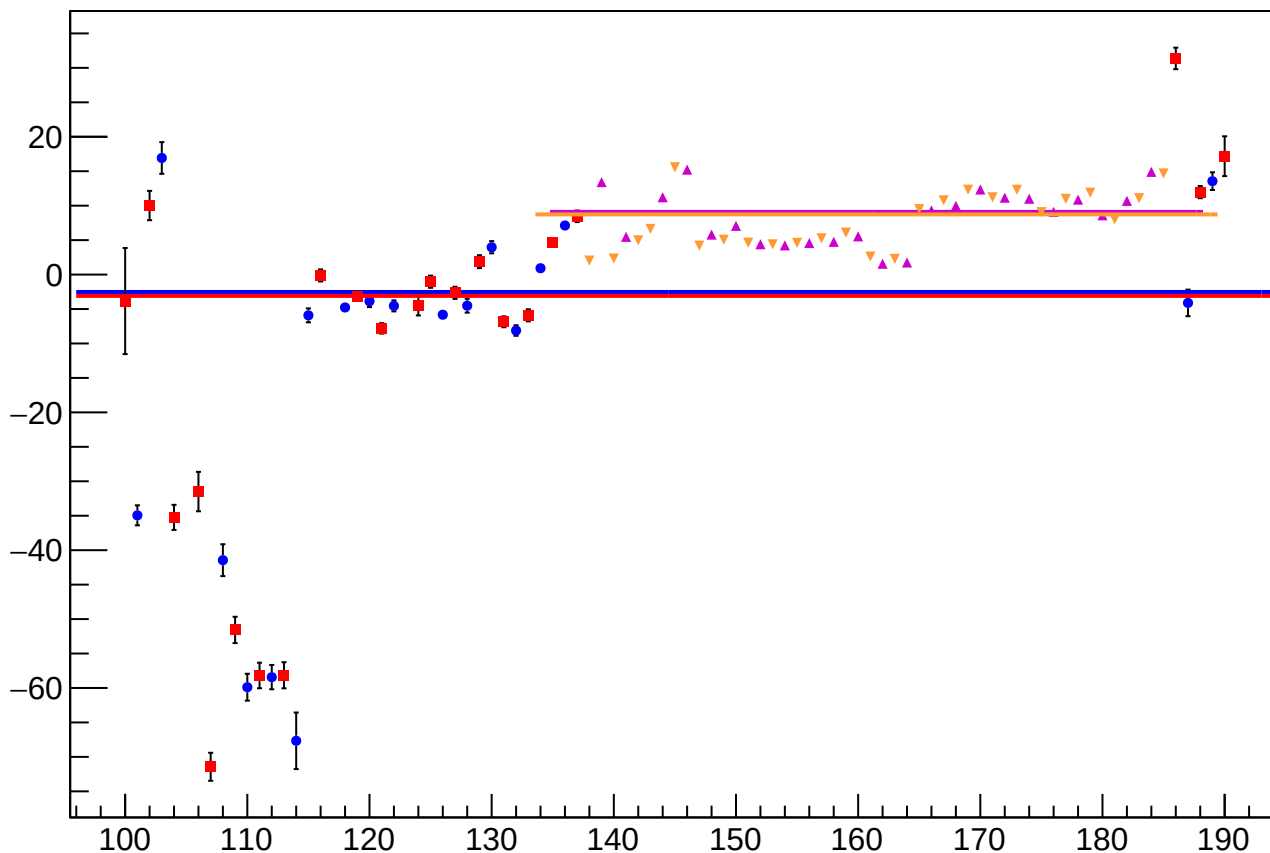
Left In: -16.403 ± 0.054 $\chi^2/\text{NDF}: 18032.3/22$

+ sign -18.199 ± 0.051 $\chi^2/\text{NDF}: 38523.0/42$

All: -18.392 ± 0.036 $\chi^2/\text{NDF}: 83595.2/87$

- sign -18.591 ± 0.052 $\chi^2/\text{NDF}: 45043.1/44$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.526+/-0.206 χ^2/NDF : 3887.1/17

Left Out: 8.735+/-0.046 χ^2/NDF : 6875.5/24

Right Out: -3.094+/-0.221 χ^2/NDF : 5273.3/21

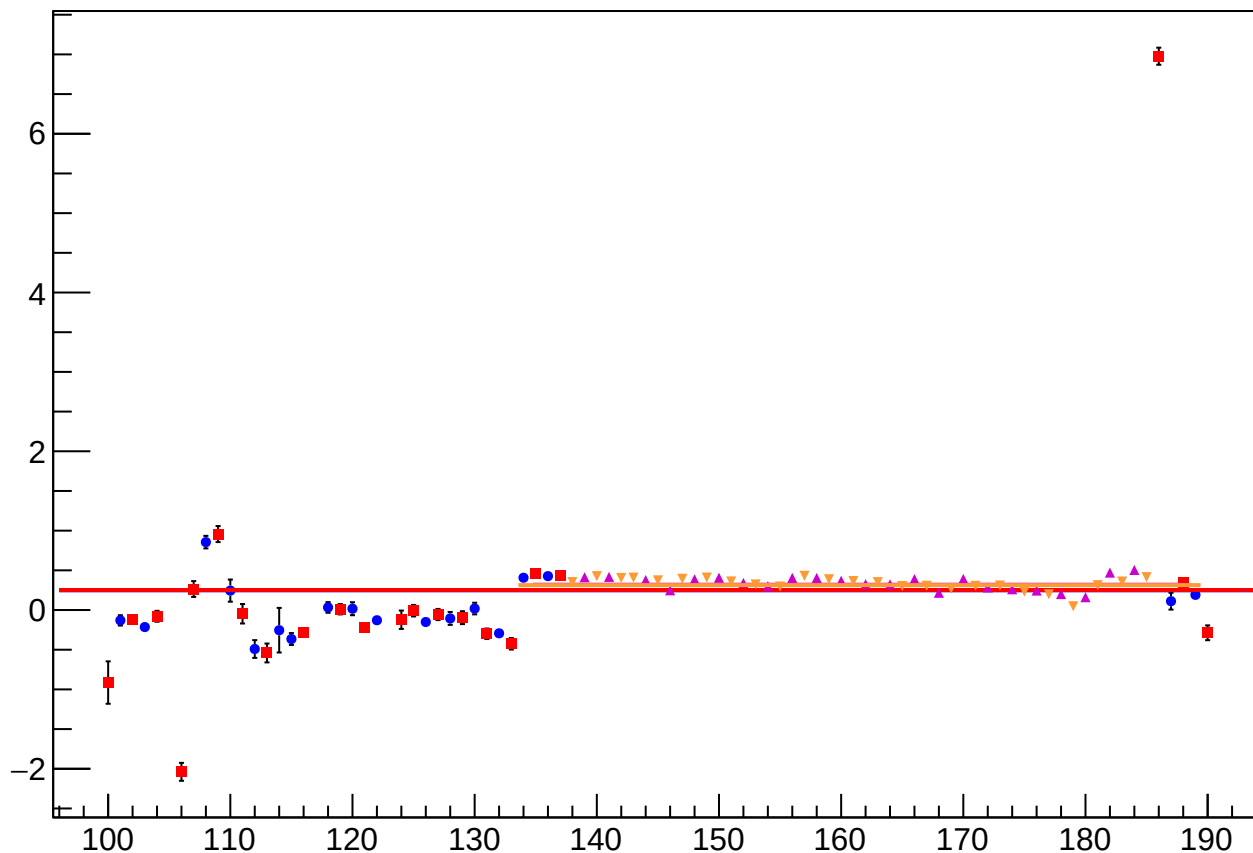
Left In: 9.096+/-0.047 χ^2/NDF : 5739.5/22

+ sign 8.194+/-0.045 χ^2/NDF : 13614.4/42

All: 8.377+/-0.032 χ^2/NDF : 27563.5/87

- sign 8.568+/-0.046 χ^2/NDF : 13915.4/44

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.249 $\pm$ 0.011 χ^2 /NDF: 633.9/17

Left Out: 0.314 $\pm$ 0.002 χ^2 /NDF:1602.1/24

Right Out: 0.252 $\pm$ 0.013 χ^2 /NDF: 5022.4/21

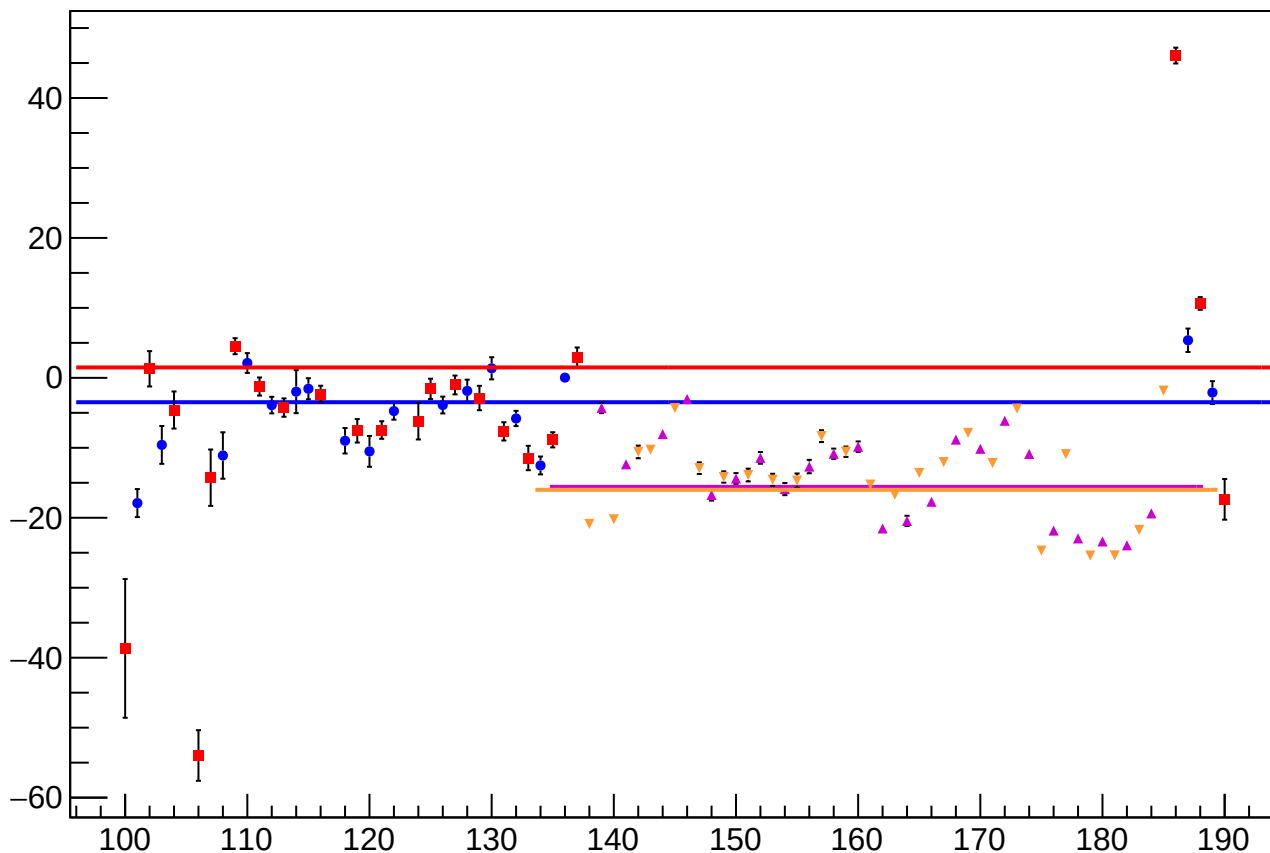
Left In: 0.319 $\pm$ 0.002 χ^2 /NDF:1787.8/22

+ sign 0.312 $\pm$ 0.002 χ^2 /NDF: 2269.2/42

All: 0.314 $\pm$ 0.001 χ^2 /NDF: 9109.7/87

- sign 0.317 $\pm$ 0.002 χ^2 /NDF: 6837.6/44

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -3.482 ± 0.332 χ^2/NDF : 219.2/17

Left Out: -16.000 ± 0.099 χ^2/NDF : 5962.8/24

Right Out: 1.487 ± 0.317 χ^2/NDF : 2314.5/21

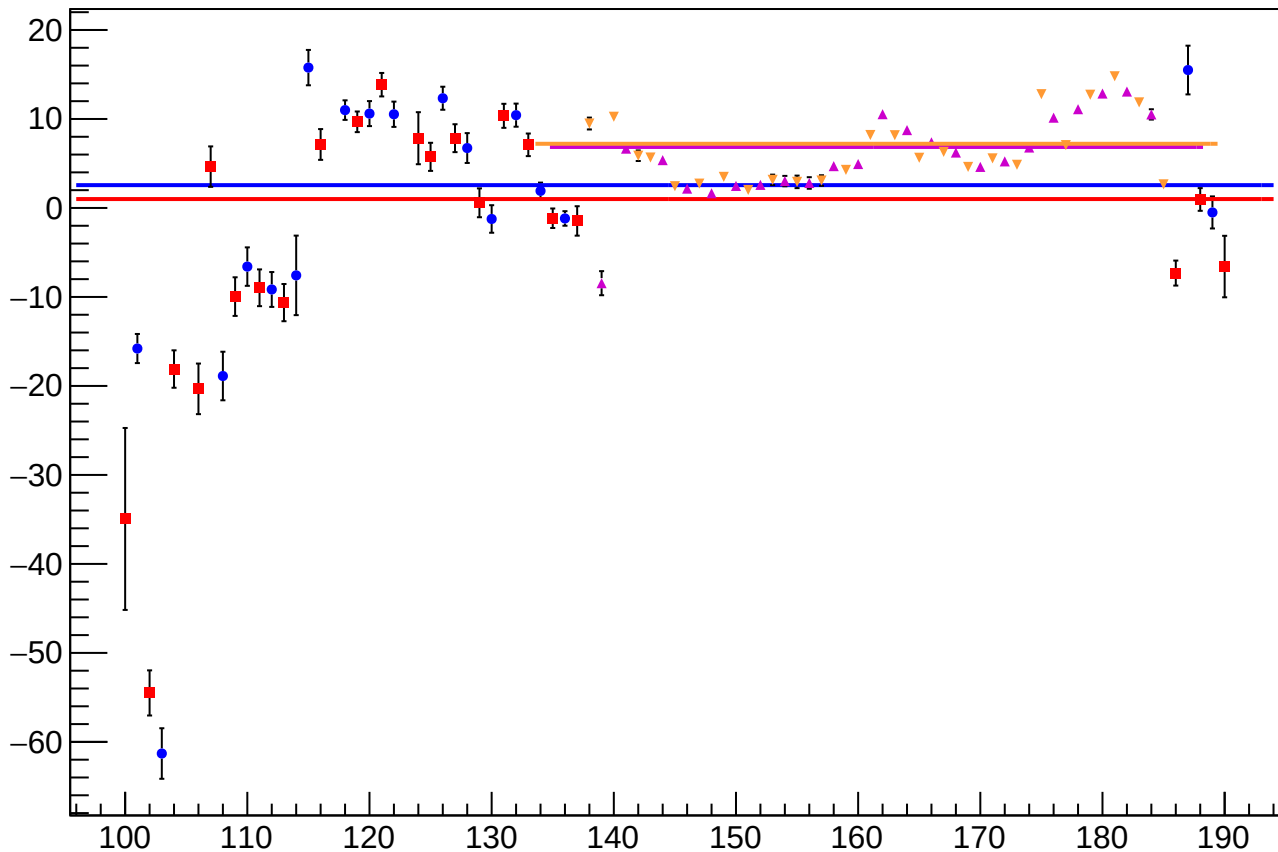
Left In: -15.582 ± 0.102 χ^2/NDF : 4759.9/22

+ sign -14.969 ± 0.095 χ^2/NDF : 7488.6/42

All: -14.484 ± 0.068 χ^2/NDF : 17248.1/87

- sign -13.978 ± 0.097 χ^2/NDF : 9706.4/44

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.565 ± 0.347 χ^2/NDF : 1072.0/17

Left Out: 7.212 ± 0.080 χ^2/NDF : 2455.9/24

Right Out: 1.000 ± 0.355 χ^2/NDF : 1026.6/21

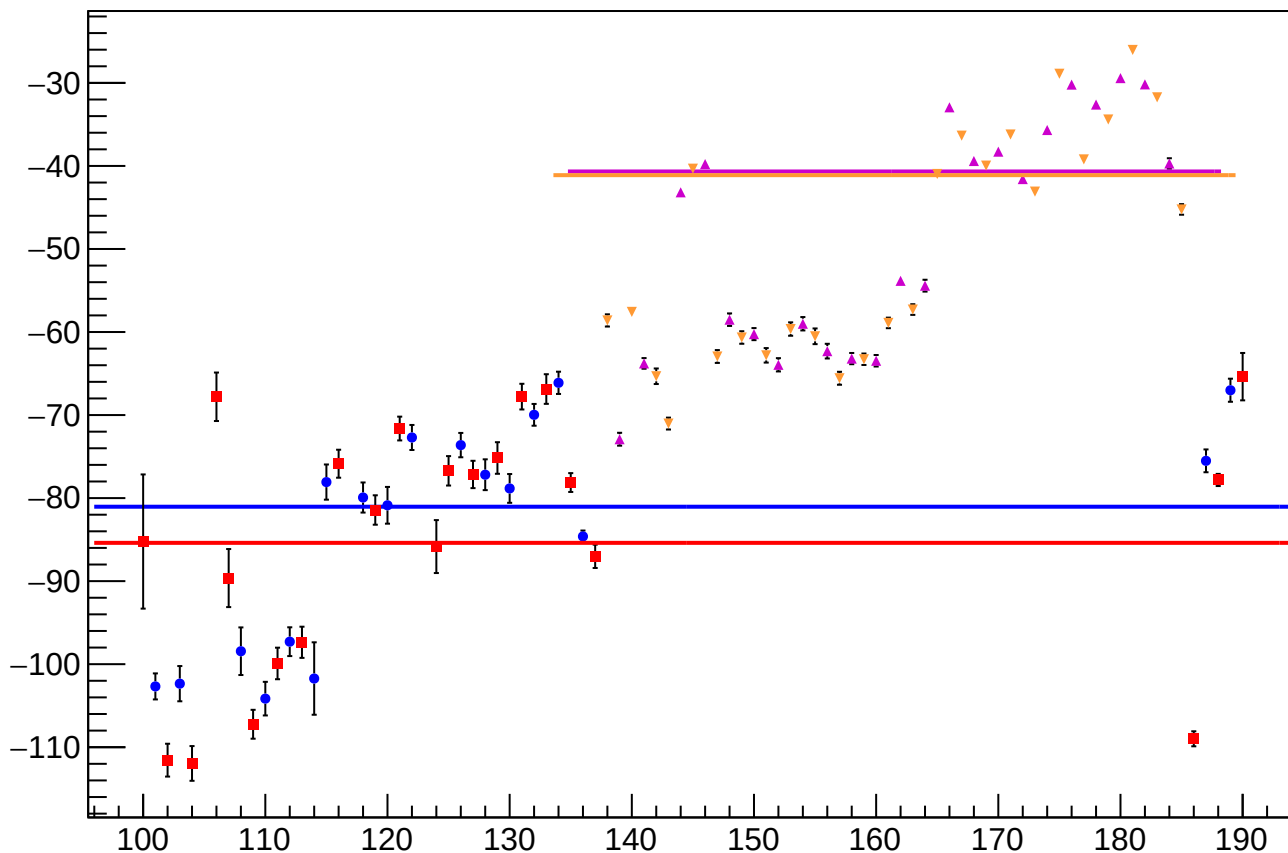
Left In: 6.856 ± 0.081 χ^2/NDF : 2156.4/22

+ sign 6.977 ± 0.078 χ^2/NDF : 3698.1/42

All: 6.775 ± 0.056 χ^2/NDF : 7152.7/87

- sign 6.567 ± 0.079 χ^2/NDF : 3440.9/44

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -81.038 ± 0.358 $\chi^2/\text{NDF}: 972.1/17$

Left Out: -41.111 ± 0.100 $\chi^2/\text{NDF}: 16000.8/24$

Right Out: -85.389 ± 0.333 $\chi^2/\text{NDF}: 1954.9/21$

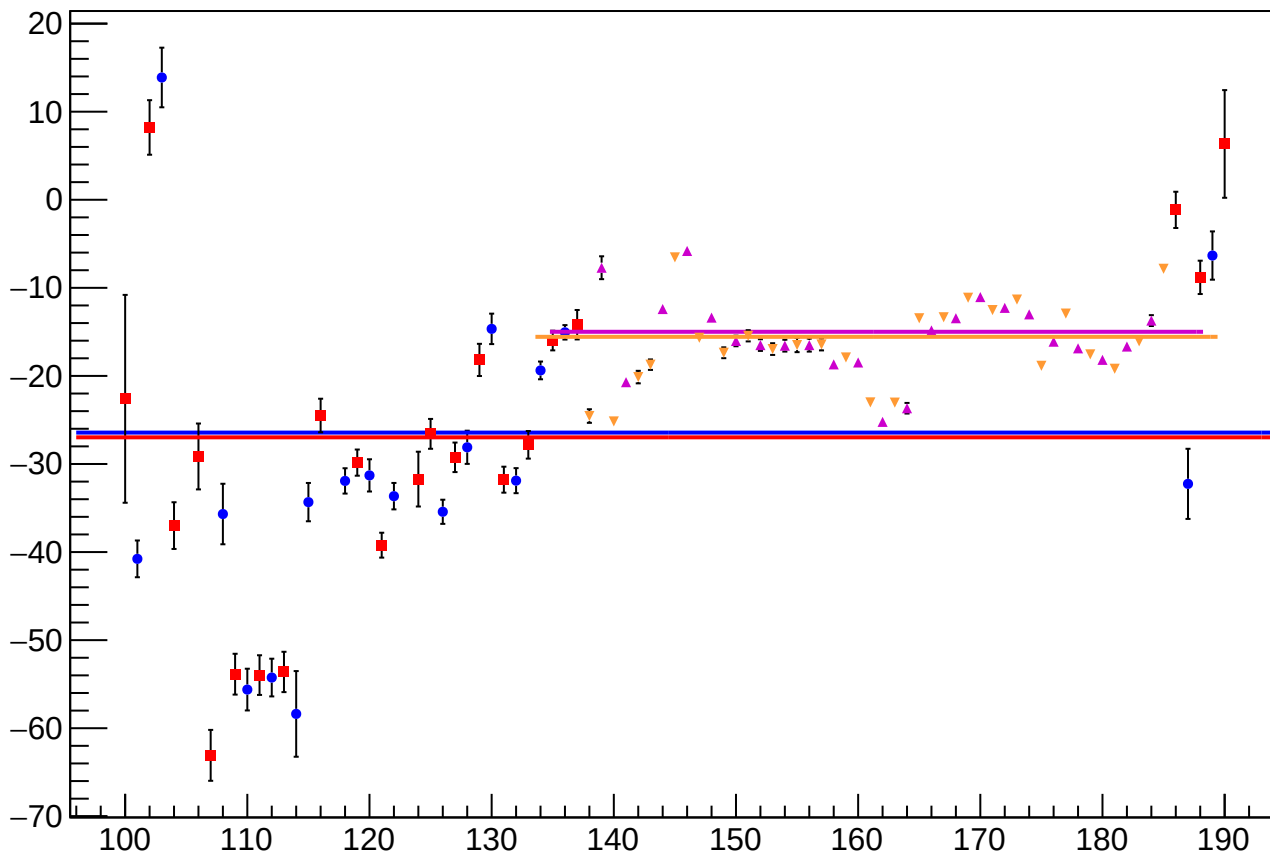
Left In: -40.665 ± 0.102 $\chi^2/\text{NDF}: 13541.3/22$

+ sign -44.006 ± 0.096 $\chi^2/\text{NDF}: 28531.6/42$

All: -44.262 ± 0.069 $\chi^2/\text{NDF}: 60563.3/87$

- sign -44.525 ± 0.098 $\chi^2/\text{NDF}: 32017.4/44$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.435 ± 0.390 $\chi^2/\text{NDF}: 1020.2/17$

Left Out: -15.562 ± 0.089 $\chi^2/\text{NDF}: 2549.5/24$

Right Out: -26.974 ± 0.411 $\chi^2/\text{NDF}: 1267.0/21$

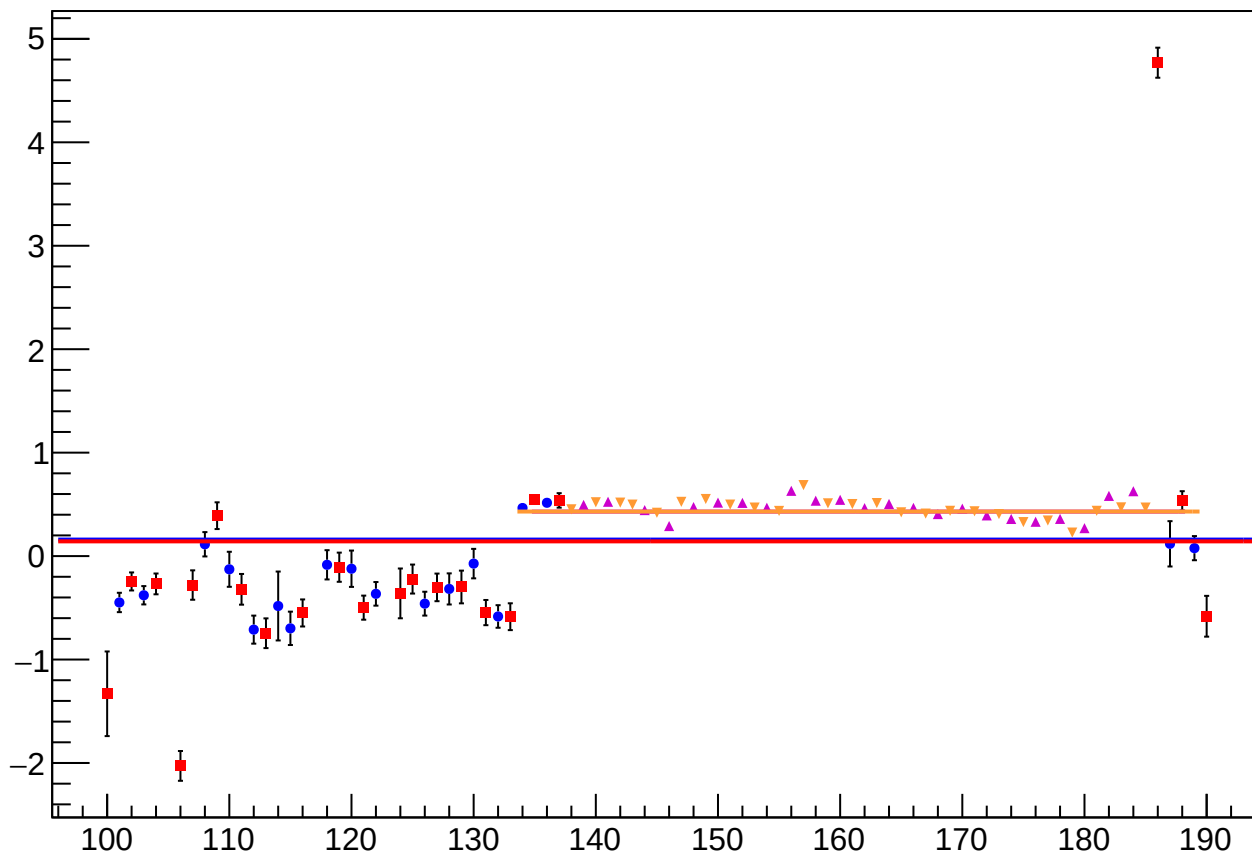
Left In: -14.990 ± 0.090 $\chi^2/\text{NDF}: 2150.9/22$

+ sign -16.100 ± 0.087 $\chi^2/\text{NDF}: 4309.8/42$

All: -15.826 ± 0.062 $\chi^2/\text{NDF}: 8559.6/87$

- sign -15.542 ± 0.088 $\chi^2/\text{NDF}: 4229.4/44$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.160 ± 0.021 χ^2/NDF : 423.1/17

Left Out: 0.431 ± 0.004 χ^2/NDF : 418.4/24

Right Out: 0.142 ± 0.023 χ^2/NDF : 1654.5/21

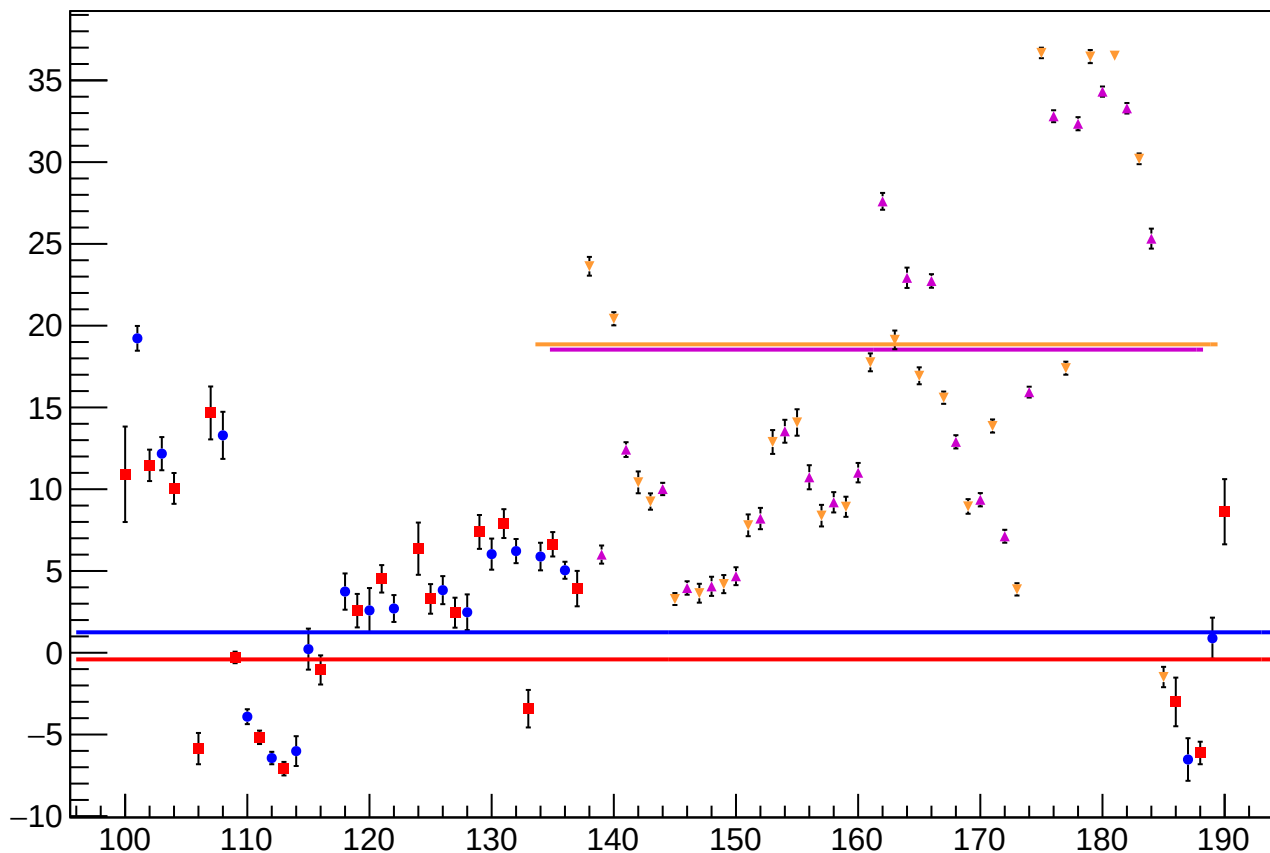
Left In: 0.430 ± 0.004 χ^2/NDF : 583.6/22

+ sign 0.421 ± 0.004 χ^2/NDF : 1003.0/42

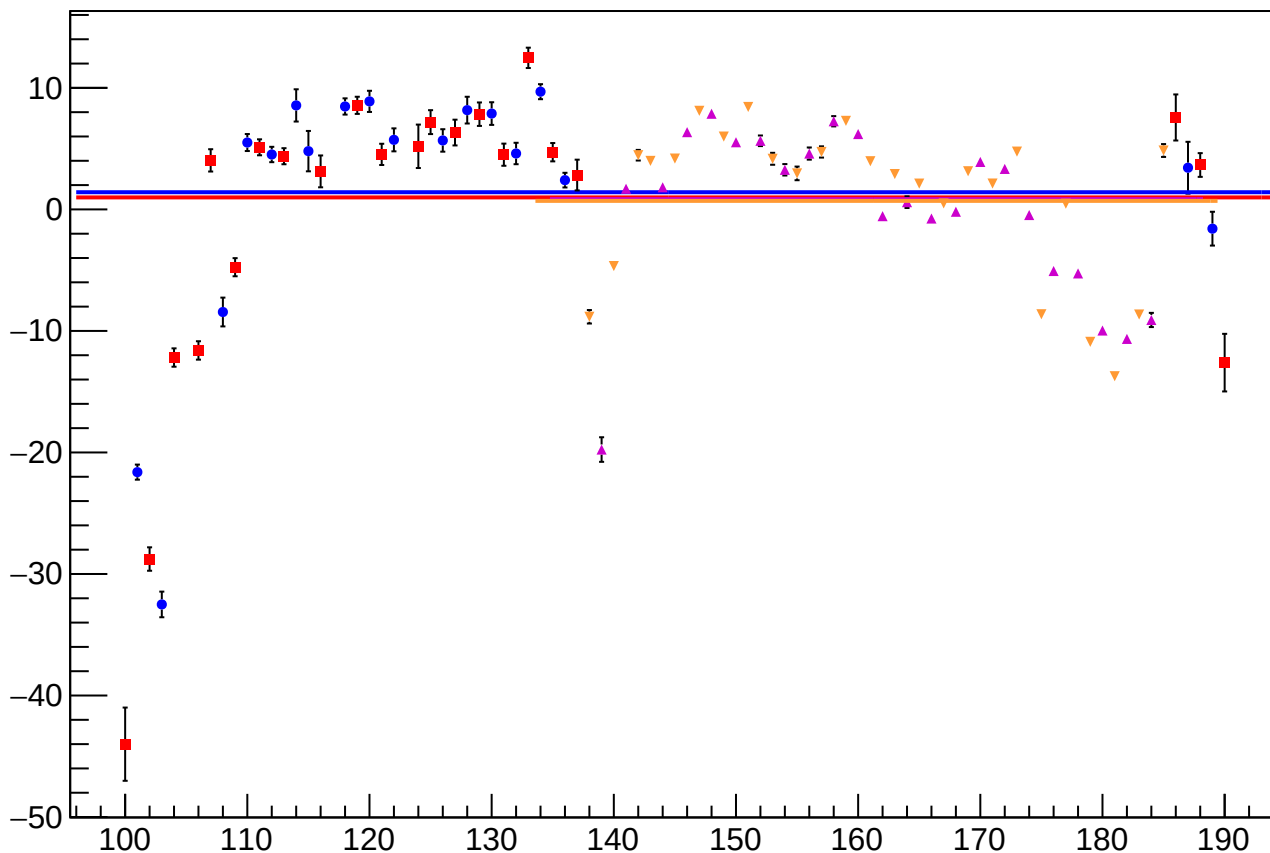
All: 0.421 ± 0.003 χ^2/NDF : 3391.1/87

- sign 0.421 ± 0.004 χ^2/NDF : 2388.1/44

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 1.413 ± 0.200 χ^2/NDF : 3085.8/17

Left Out: 0.702 ± 0.071 χ^2/NDF : 8237.8/24

Right Out: 0.986 ± 0.196 χ^2/NDF : 2429.7/21

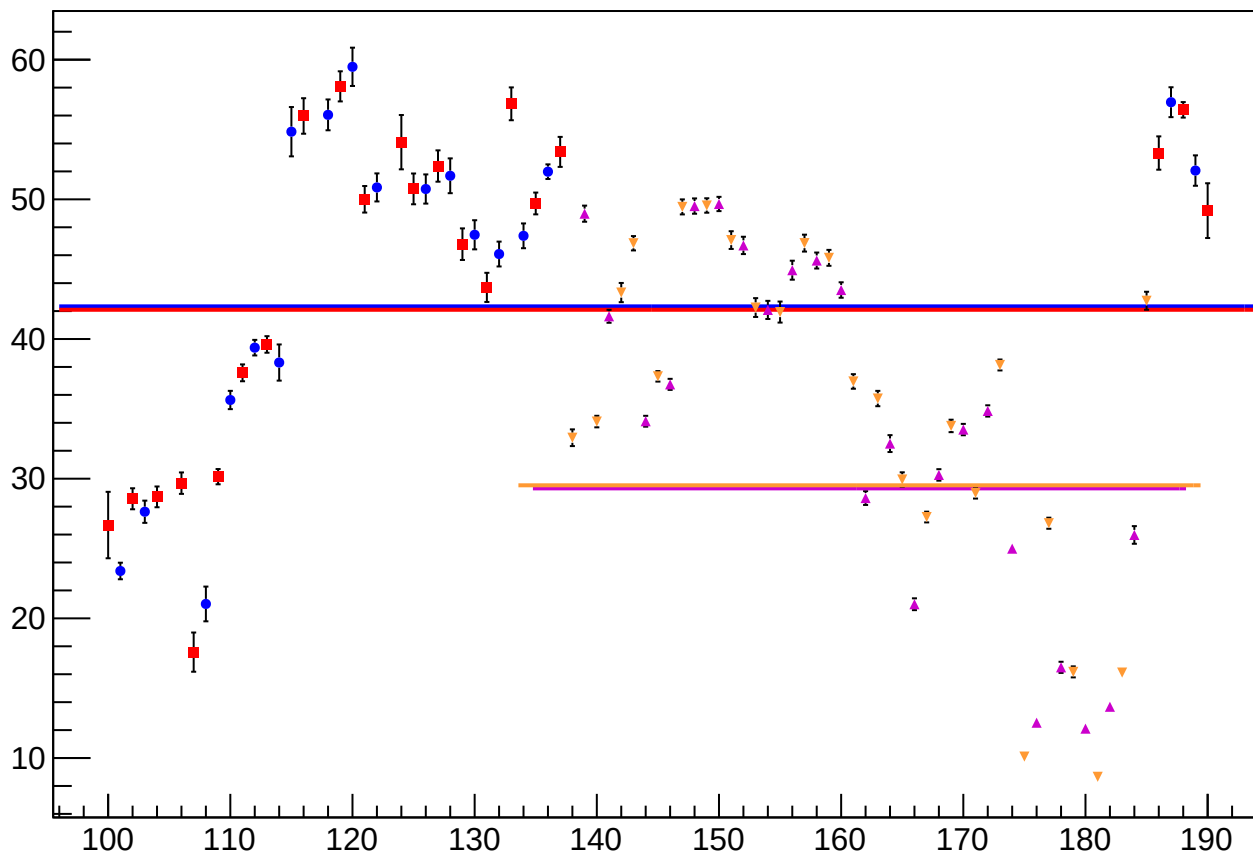
Left In: 0.847 ± 0.072 χ^2/NDF : 6045.4/22

+ sign 0.781 ± 0.067 χ^2/NDF : 11334.9/42

All: 0.821 ± 0.048 χ^2/NDF : 19811.1/87

- sign 0.863 ± 0.068 χ^2/NDF : 8475.5/44

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.337 ± 0.203 χ^2/NDF : 3031.9/17

Left Out: 29.526 ± 0.091 χ^2/NDF : 21083.7/24

Right Out: 42.094 ± 0.187 χ^2/NDF : 3548.9/21

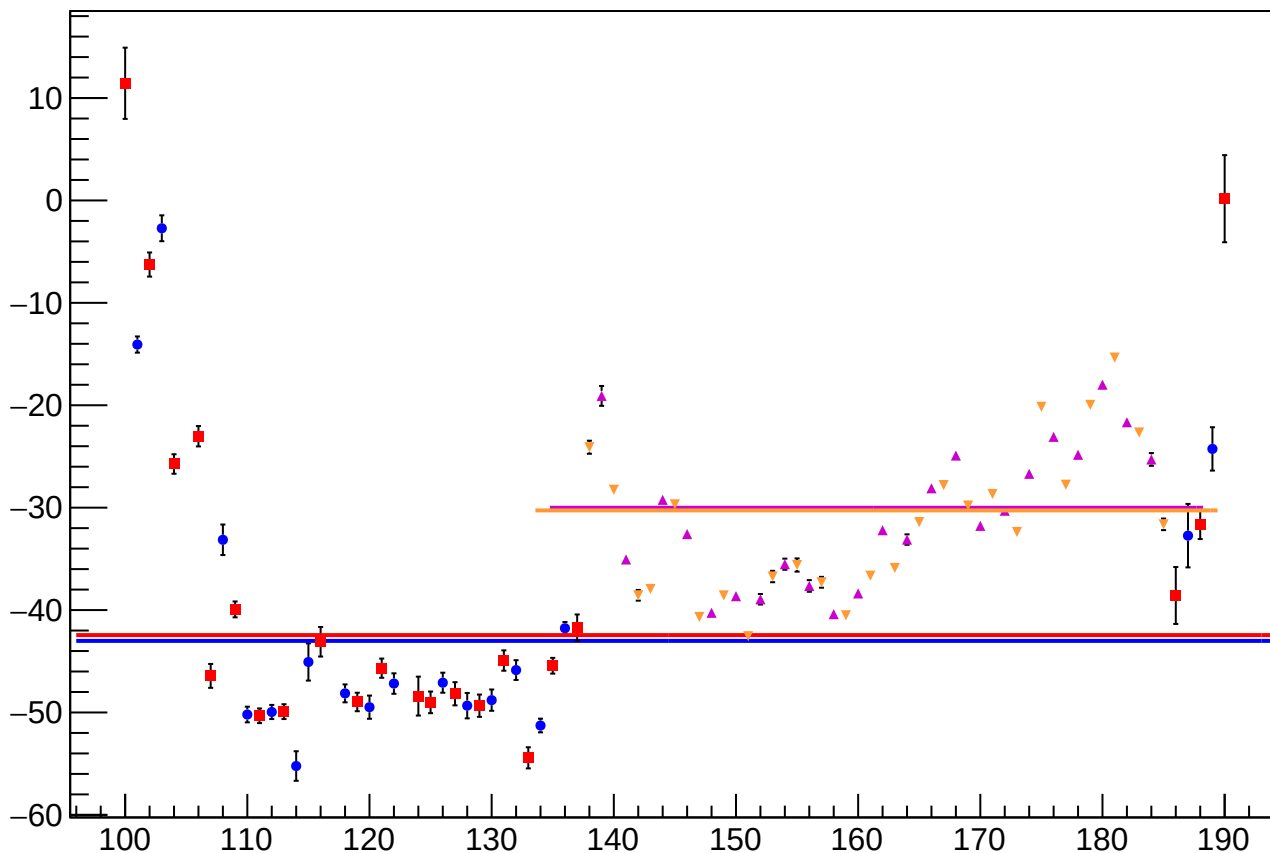
Left In: 29.306 ± 0.093 χ^2/NDF : 17870.3/22

+ sign 31.653 ± 0.083 χ^2/NDF : 27435.7/42

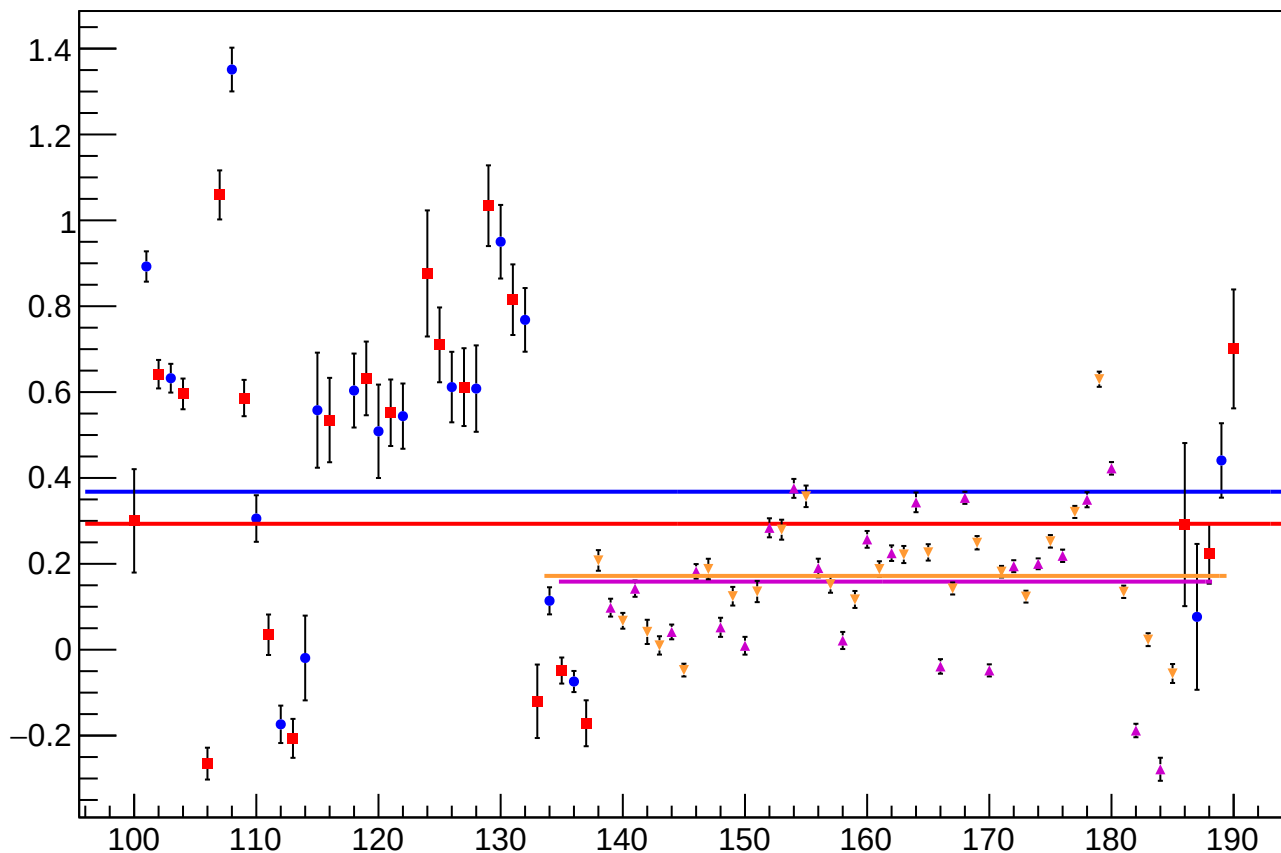
All: 31.745 ± 0.059 χ^2/NDF : 52594.9/87

- sign 31.839 ± 0.083 χ^2/NDF : 25156.6/44

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.368 $\pm$ 0.012 χ^2 /NDF: 1324.5/17

Left Out: 0.172 $\pm$ 0.004 χ^2 /NDF:1501.3/24

Right Out: 0.293 $\pm$ 0.012 χ^2 /NDF: 1208.9/21

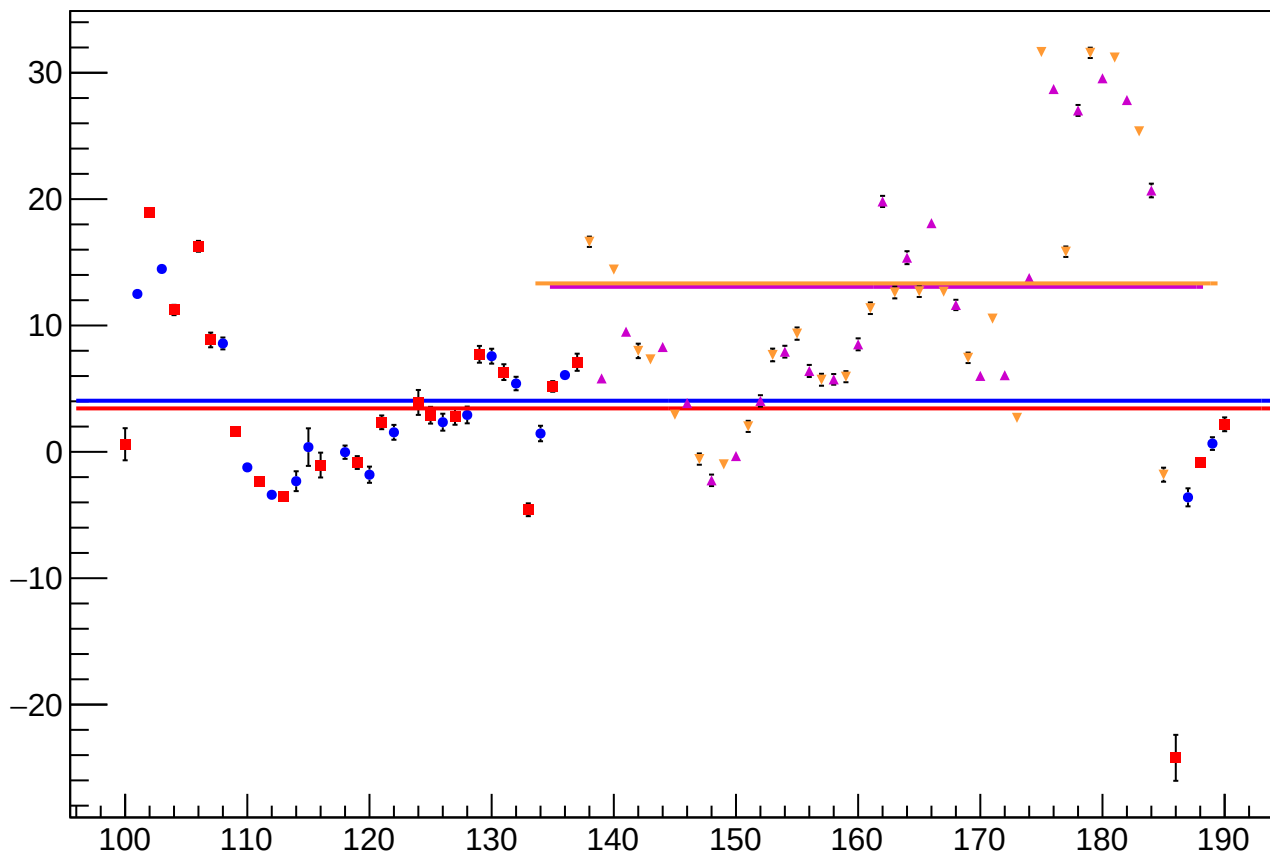
Left In: 0.159 $\pm$ 0.004 χ^2 /NDF:2187.4/22

+ sign 0.188 $\pm$ 0.003 χ^2 /NDF: 3069.4/42

All: 0.179 $\pm$ 0.002 χ^2 /NDF: 6596.5/87

- sign 0.170 $\pm$ 0.003 χ^2 /NDF: 3514.3/44

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.046 $\pm$ 0.112 χ^2 /NDF: 2793.2/17

Left Out: 13.331 $\pm$ 0.077 χ^2 /NDF:19432.7/24

Right Out: 3.437 $\pm$ 0.099 χ^2 /NDF: 4787.2/21

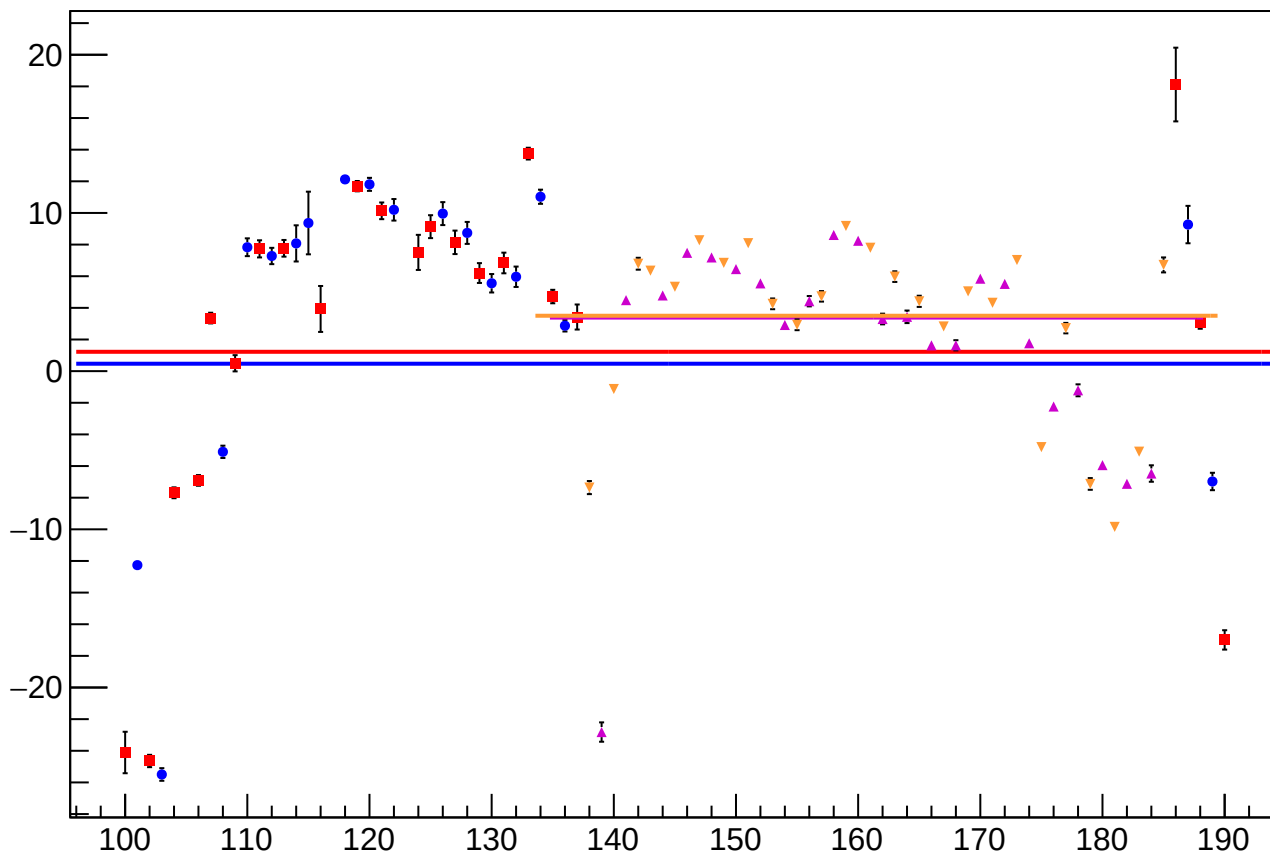
Left In: 13.061 $\pm$ 0.079 χ^2 /NDF:15559.8/22

+ sign 10.381 $\pm$ 0.063 χ^2 /NDF: 26873.0/42

All: 9.819 $\pm$ 0.044 χ^2 /NDF: 53149.6/87

- sign 9.285 $\pm$ 0.062 χ^2 /NDF: 26123.4/44

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.469 ± 0.113 χ^2/NDF : 10697.0/17

Left Out: 3.502 ± 0.059 χ^2/NDF : 7911.7/24

Right Out: 1.223 ± 0.105 χ^2/NDF : 10230.5/21

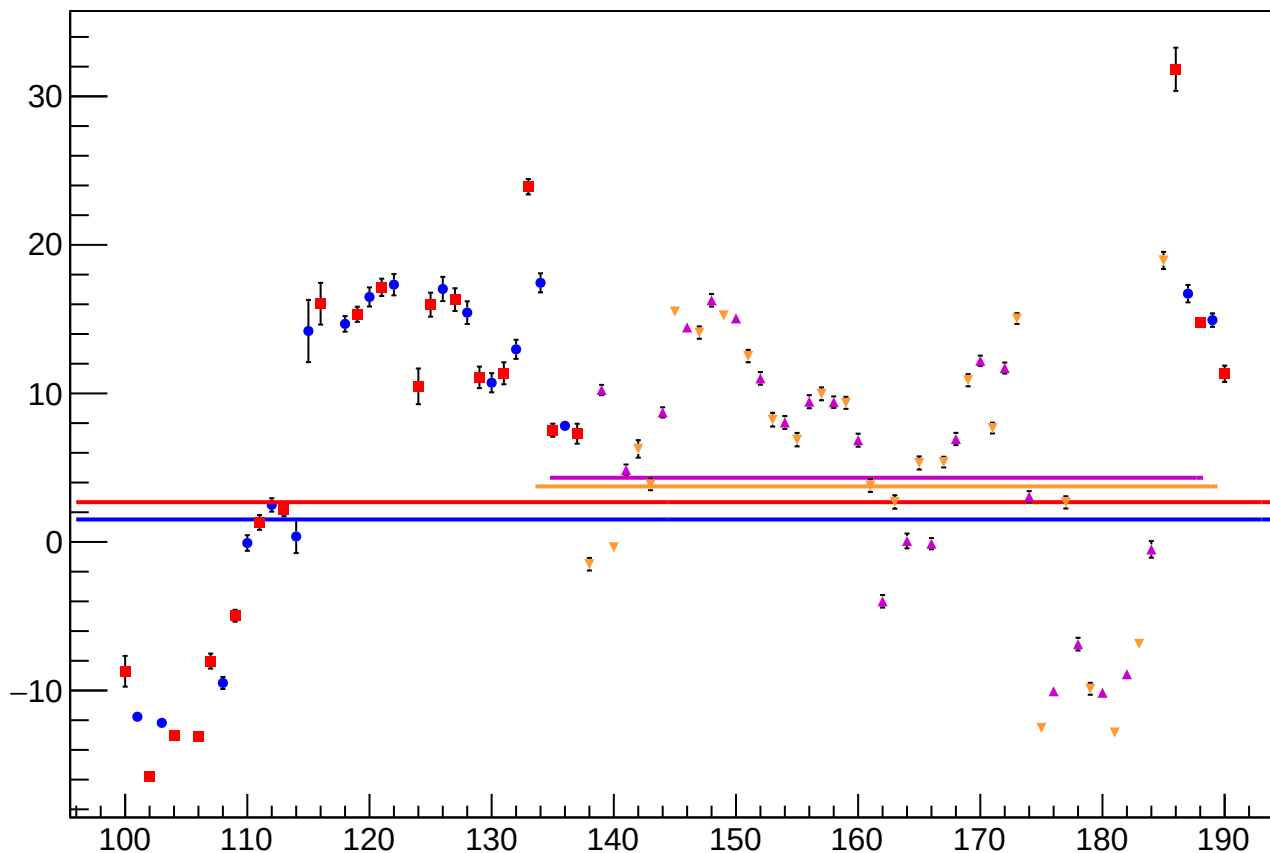
Left In: 3.385 ± 0.061 χ^2/NDF : 6707.6/22

+ sign 2.859 ± 0.052 χ^2/NDF : 19177.5/42

All: 2.849 ± 0.037 χ^2/NDF : 36433.3/87

- sign 2.838 ± 0.053 χ^2/NDF : 17255.7/44

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 1.515 ± 0.113 $\chi^2/\text{NDF}: 10984.7/17$

Left Out: 3.738 ± 0.076 $\chi^2/\text{NDF}: 15586.7/24$

Right Out: 2.679 ± 0.099 $\chi^2/\text{NDF}: 17425.4/21$

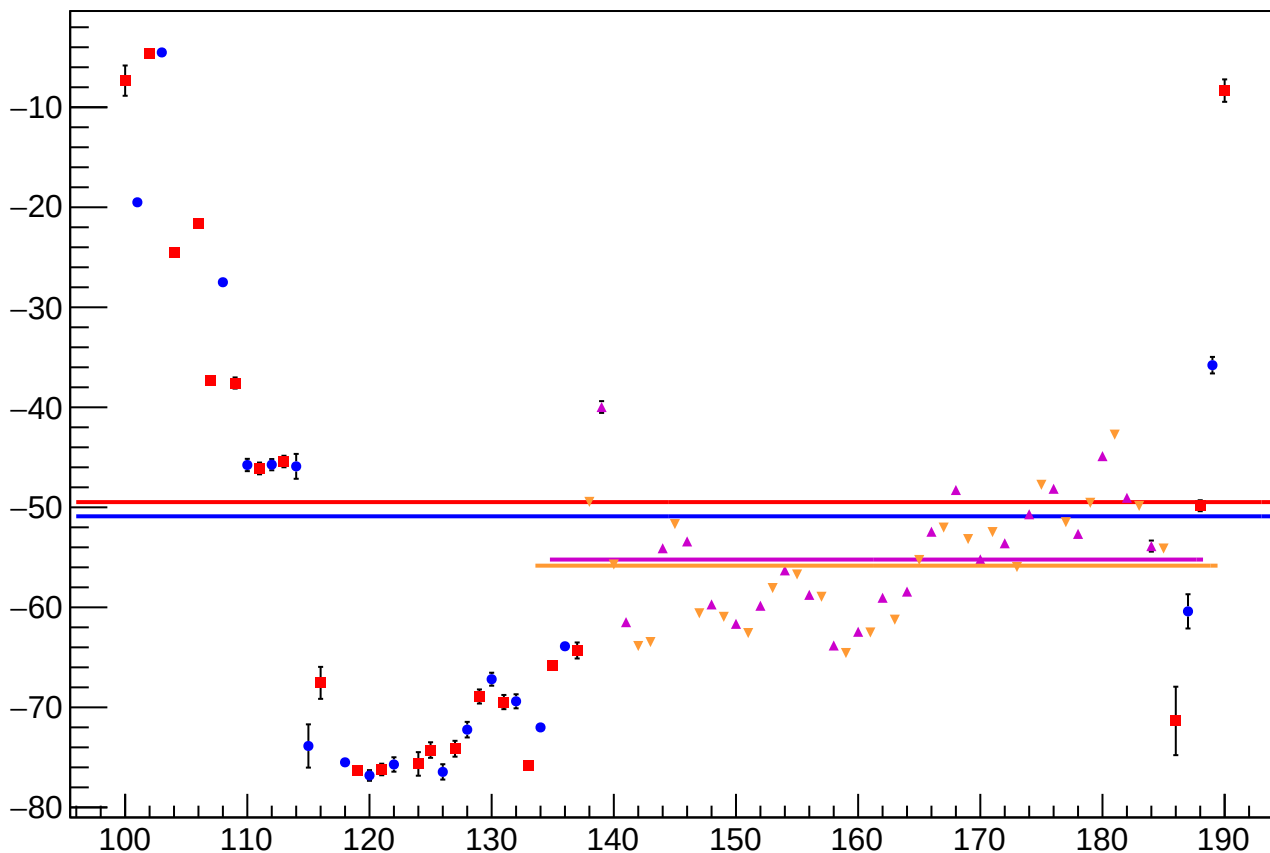
Left In: 4.322 ± 0.079 $\chi^2/\text{NDF}: 12483.3/22$

+ sign 3.043 ± 0.063 $\chi^2/\text{NDF}: 26836.1/42$

All: 3.374 ± 0.044 $\chi^2/\text{NDF}: 56967.1/87$

- sign 3.687 ± 0.062 $\chi^2/\text{NDF}: 30077.8/44$

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -50.898 ± 0.134 χ^2/NDF : 34137.0/17

Left Out: -55.832 ± 0.066 χ^2/NDF : 7592.5/24

Right Out: -49.477 ± 0.126 χ^2/NDF : 35293.7/21

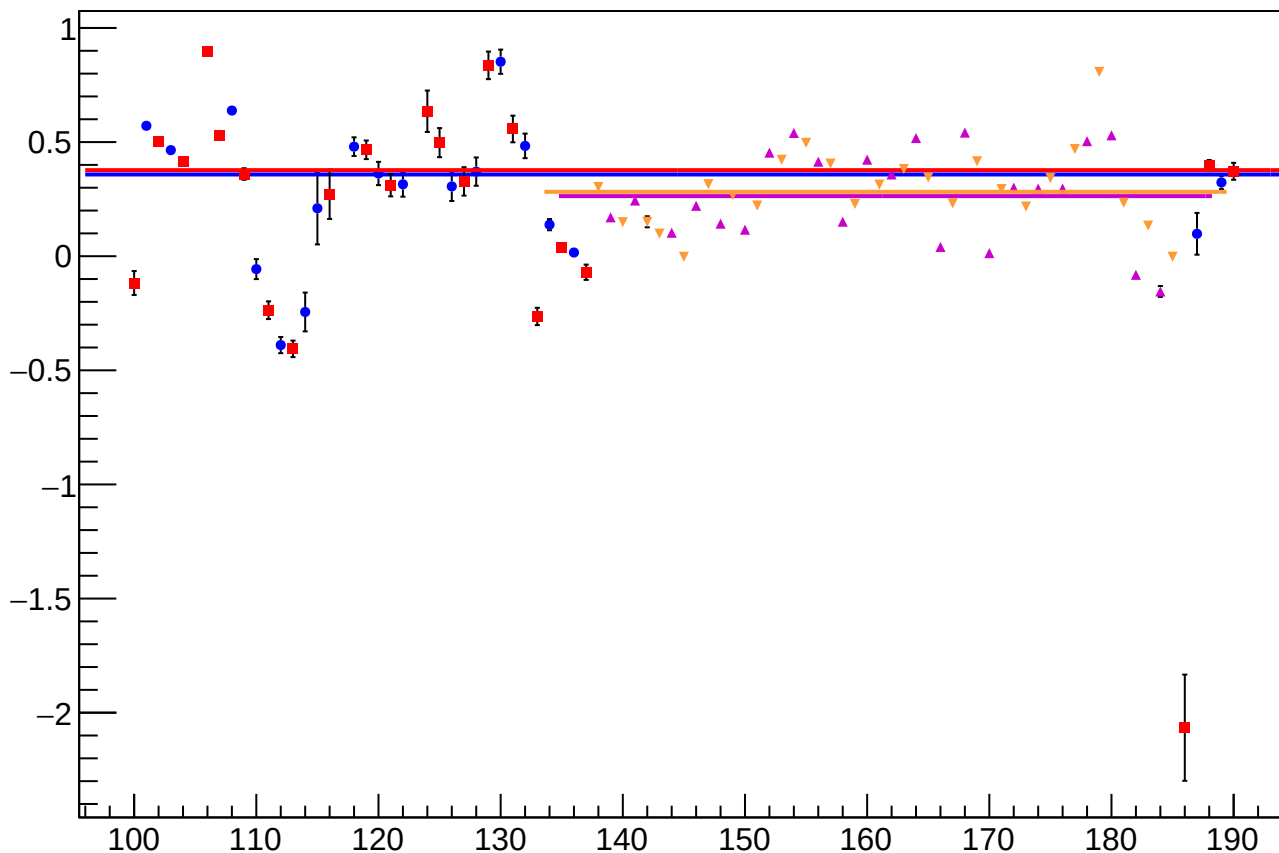
Left In: -55.222 ± 0.069 χ^2/NDF : 6343.0/22

+ sign -54.855 ± 0.059 χ^2/NDF : 42824.1/42

All: -54.390 ± 0.042 χ^2/NDF : 86183.7/87

- sign -53.909 ± 0.060 χ^2/NDF : 43234.8/44

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.358 ± 0.006 χ^2/NDF : 1869.7/17

Left Out: 0.282 ± 0.003 χ^2/NDF : 2712.4/24

Right Out: 0.377 ± 0.006 χ^2/NDF : 2901.5/21

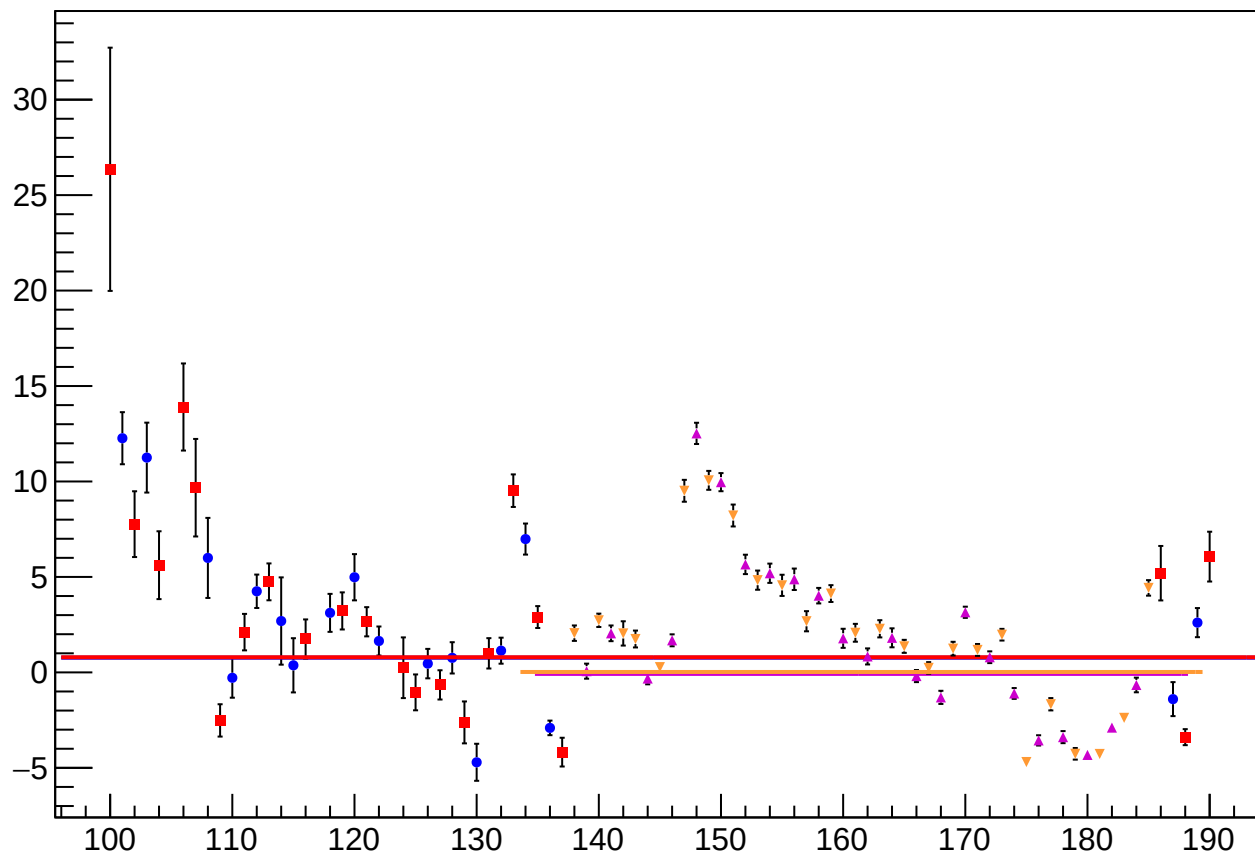
Left In: 0.263 ± 0.003 χ^2/NDF : 3835.8/22

+ sign 0.296 ± 0.003 χ^2/NDF : 4703.6/42

All: 0.292 ± 0.002 χ^2/NDF : 11744.6/87

- sign 0.287 ± 0.003 χ^2/NDF : 7035.4/44

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.770 ± 0.199 χ^2/NDF : 341.8/17

Left Out: 0.022 ± 0.069 χ^2/NDF : 2759.3/24

Right Out: 0.792 ± 0.193 χ^2/NDF : 436.1/21

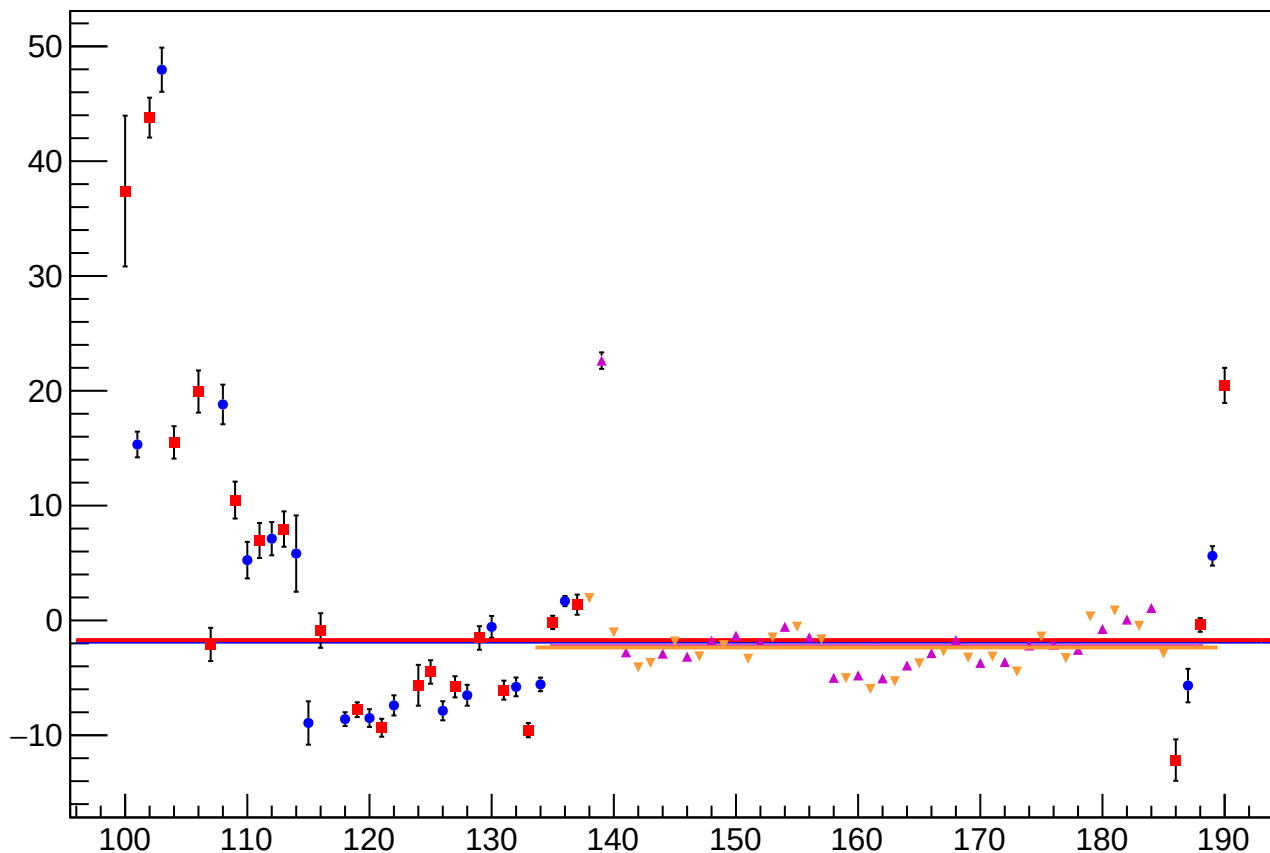
Left In: -0.080 ± 0.071 χ^2/NDF : 2464.5/22

+ sign 0.101 ± 0.065 χ^2/NDF : 3113.8/42

All: 0.063 ± 0.046 χ^2/NDF : 6033.1/87

- sign 0.024 ± 0.066 χ^2/NDF : 2918.6/44

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -1.845 ± 0.207 χ^2/NDF : 1660.8/17

Left Out: -2.352 ± 0.055 χ^2/NDF : 1125.6/24

Right Out: -1.716 ± 0.210 χ^2/NDF : 1810.6/21

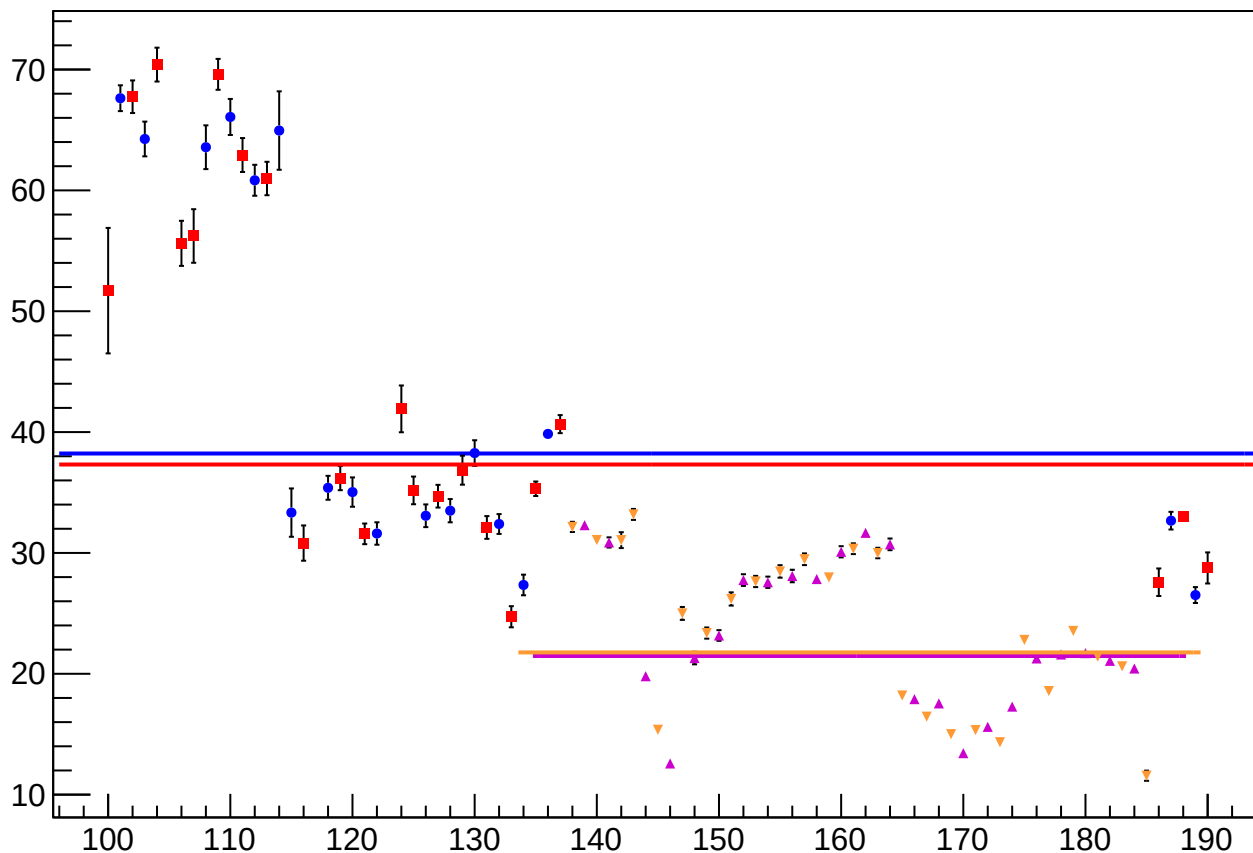
Left In: -2.257 ± 0.056 χ^2/NDF : 1877.2/22

+ sign -2.319 ± 0.053 χ^2/NDF : 2792.1/42

All: -2.271 ± 0.038 χ^2/NDF : 6487.8/87

- sign -2.220 ± 0.054 χ^2/NDF : 3694.0/44

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 38.227 ± 0.209 χ^2/NDF : 2740.6/17

Left Out: 21.768 ± 0.069 χ^2/NDF : 6814.2/24

Right Out: 37.317 ± 0.196 χ^2/NDF : 3140.6/21

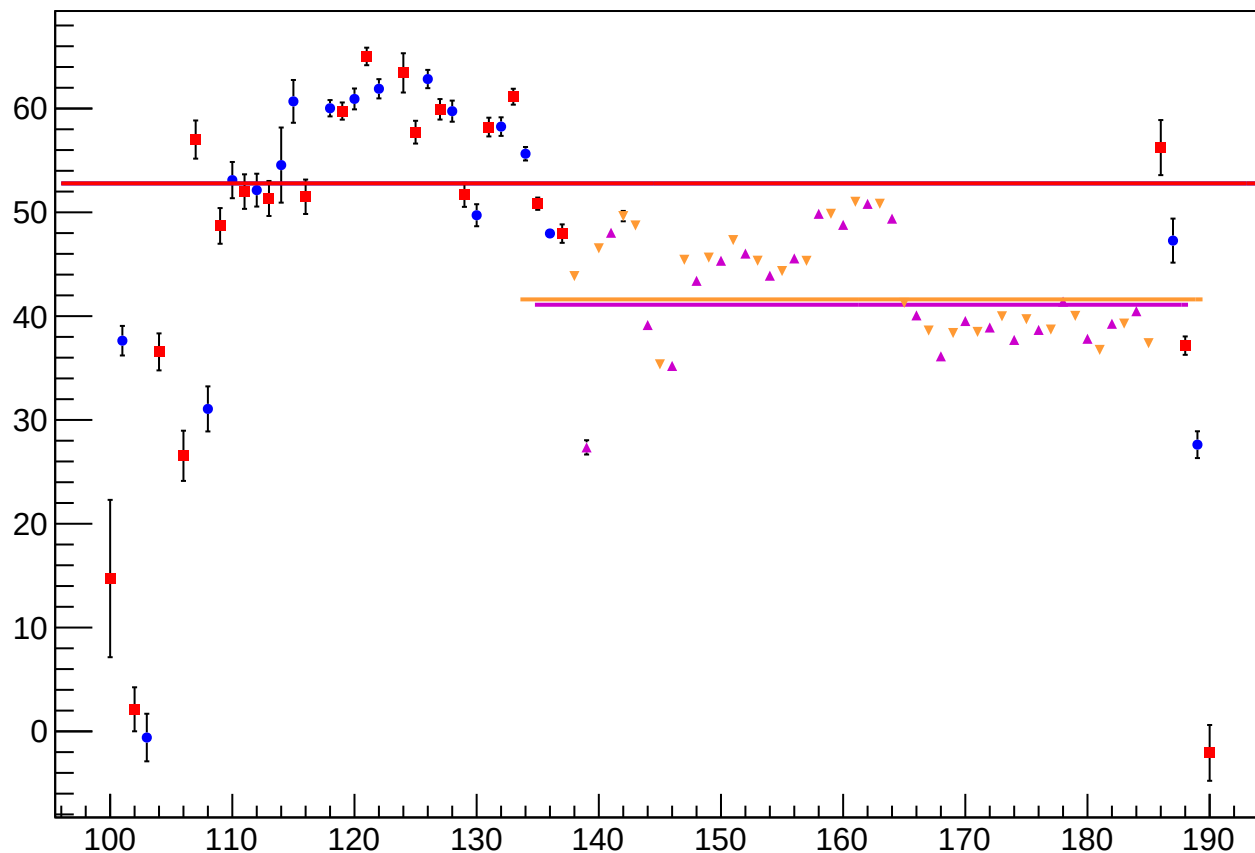
Left In: 21.472 ± 0.071 χ^2/NDF : 5787.4/22

+ sign 23.377 ± 0.065 χ^2/NDF : 15139.2/42

All: 23.336 ± 0.047 χ^2/NDF : 29856.3/87

- sign 23.293 ± 0.066 χ^2/NDF : 14716.3/44

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 52.783 $\pm$ 0.234 χ^2 /NDF: 1764.4/17

Left Out: 41.613 $\pm$ 0.061 χ^2 /NDF: 5776.0/24

Right Out: 52.790 $\pm$ 0.244 χ^2 /NDF: 2120.7/21

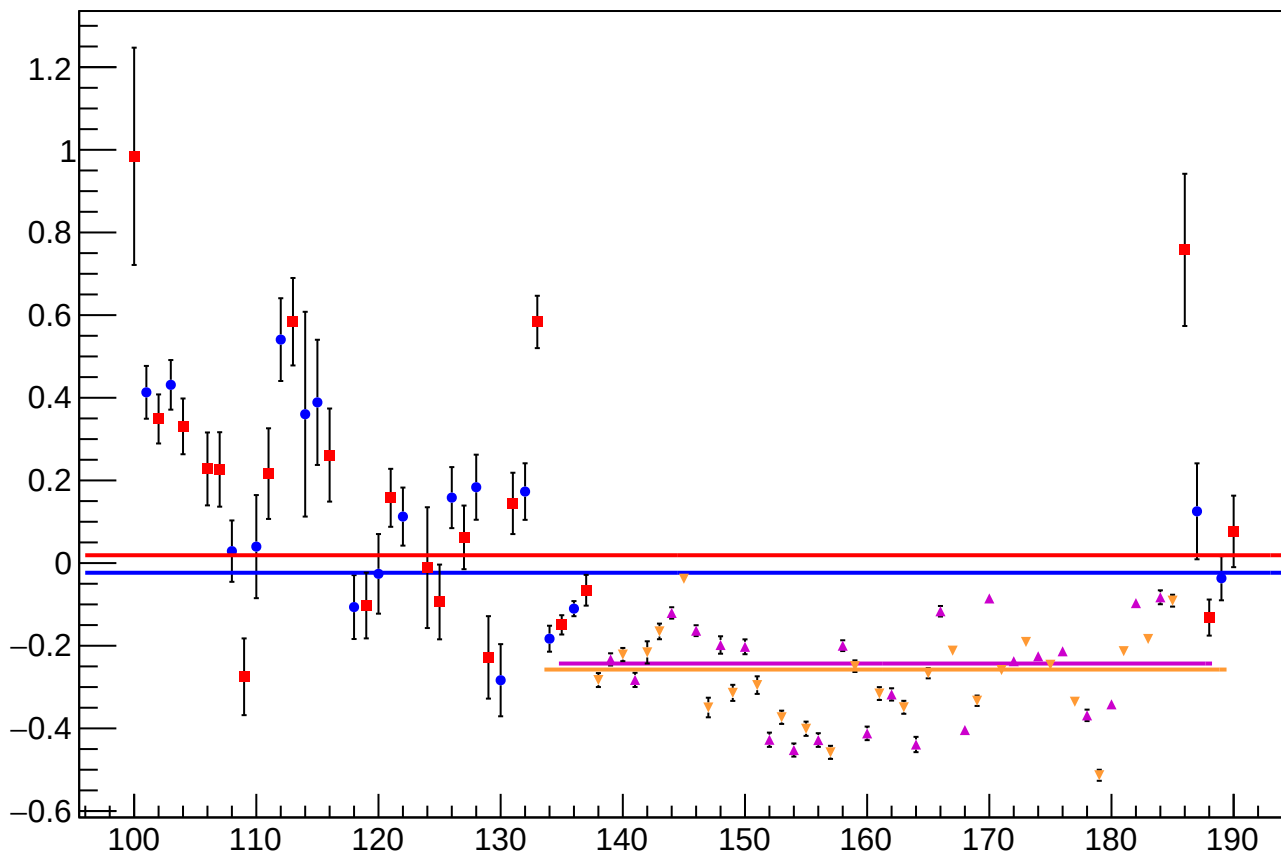
Left In: 41.098 $\pm$ 0.063 χ^2 /NDF: 5478.0/22

+ sign 42.332 $\pm$ 0.059 χ^2 /NDF: 9680.0/42

All: 42.083 $\pm$ 0.042 χ^2 /NDF: 19469.6/87

- sign 41.821 $\pm$ 0.061 χ^2 /NDF: 9753.4/44

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.023 ± 0.012 χ^2/NDF : 231.4/17

Left Out: -0.258 ± 0.003 χ^2/NDF : 1515.1/24

Right Out: 0.019 ± 0.013 χ^2/NDF : 305.4/21

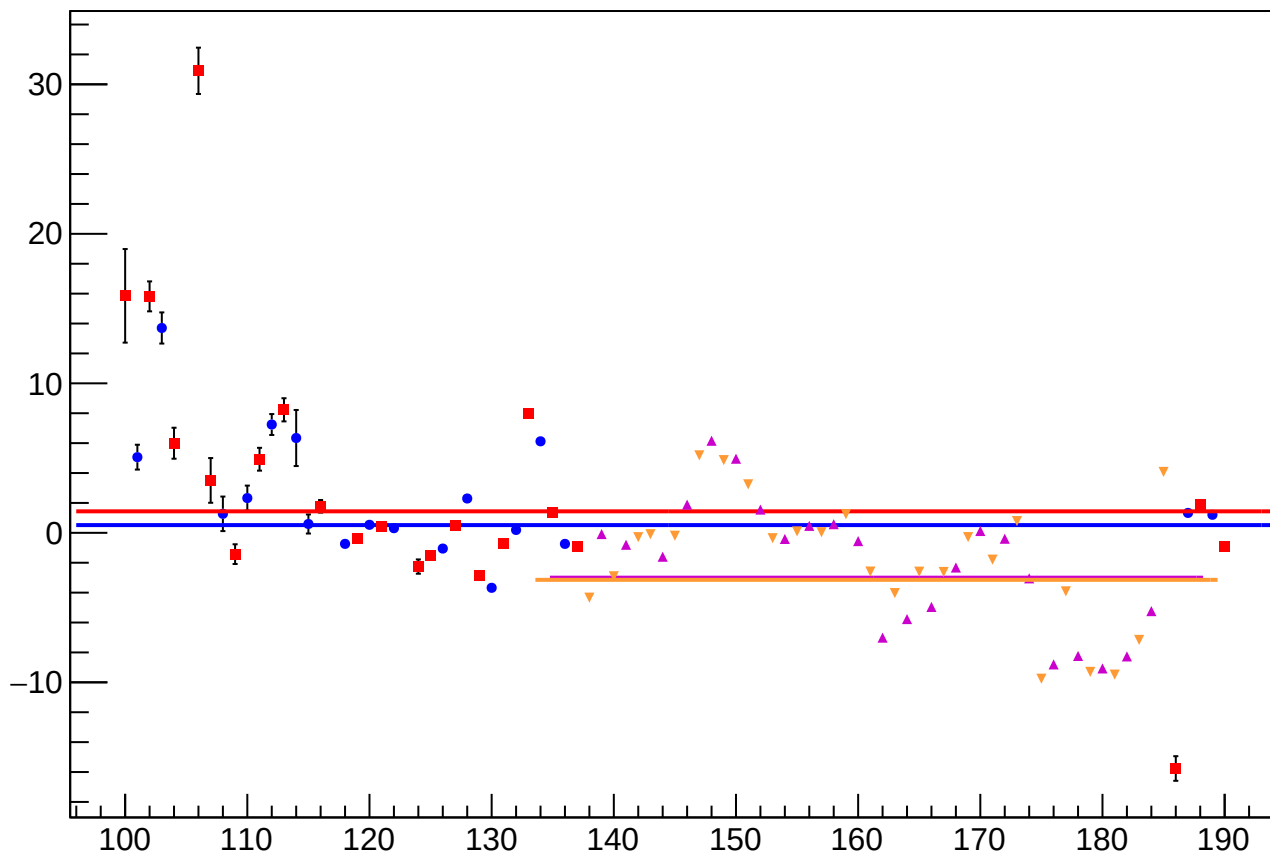
Left In: -0.243 ± 0.003 χ^2/NDF : 1811.8/22

+ sign -0.247 ± 0.003 χ^2/NDF : 2087.9/42

All: -0.240 ± 0.002 χ^2/NDF : 4589.5/87

- sign -0.232 ± 0.003 χ^2/NDF : 2486.8/44

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.517 ± 0.072 χ^2/NDF : 1114.6/17

Left Out: -3.144 ± 0.028 χ^2/NDF : 25358.6/24

Right Out: 1.438 ± 0.064 χ^2/NDF : 2916.1/21

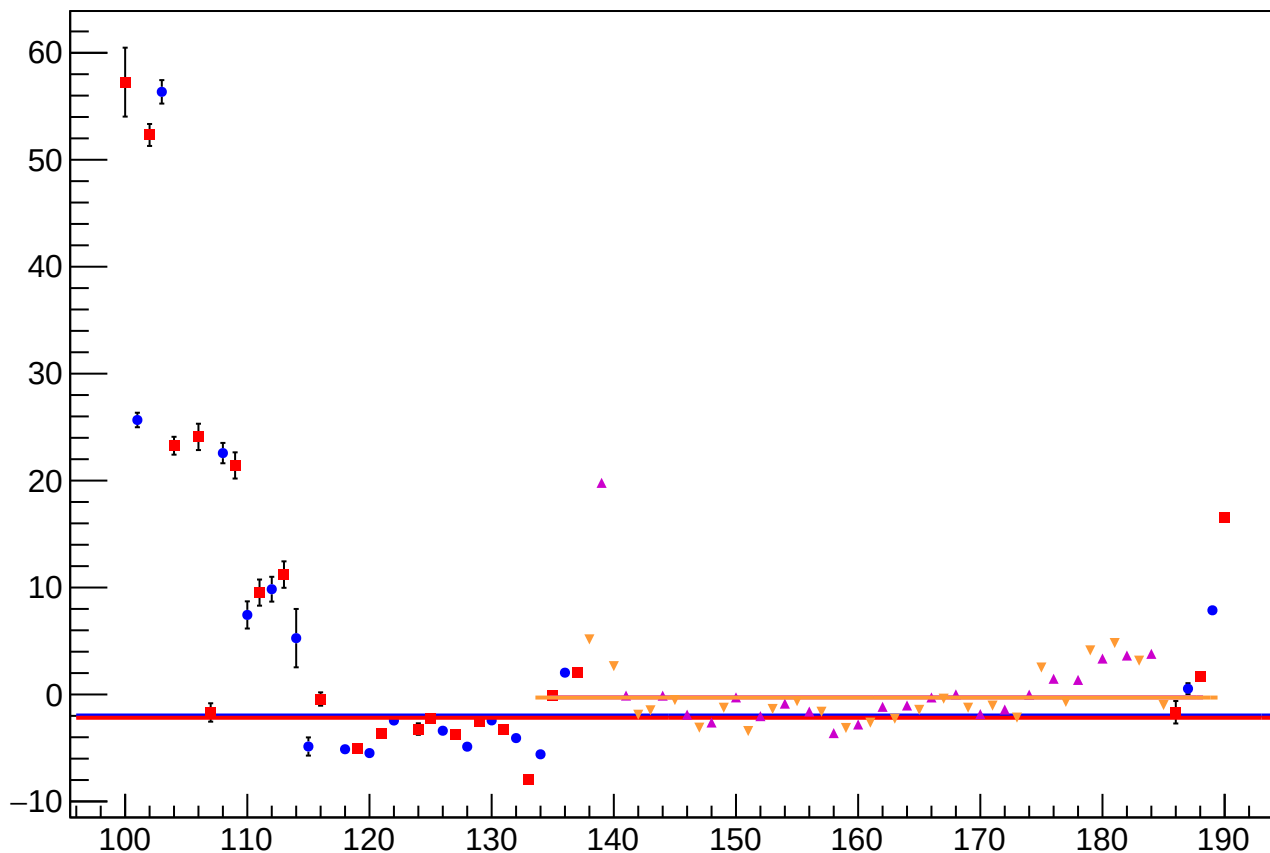
Left In: -2.999 ± 0.028 χ^2/NDF : 22425.0/22

+ sign -2.666 ± 0.026 χ^2/NDF : 28752.4/42

All: -2.468 ± 0.018 χ^2/NDF : 58215.0/87

- sign -2.268 ± 0.026 χ^2/NDF : 29345.2/44

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -1.966 ± 0.068 χ^2/NDF : 8582.3/17

Left Out: -0.288 ± 0.022 χ^2/NDF : 12198.2/24

Right Out: -2.177 ± 0.065 χ^2/NDF : 10487.5/21

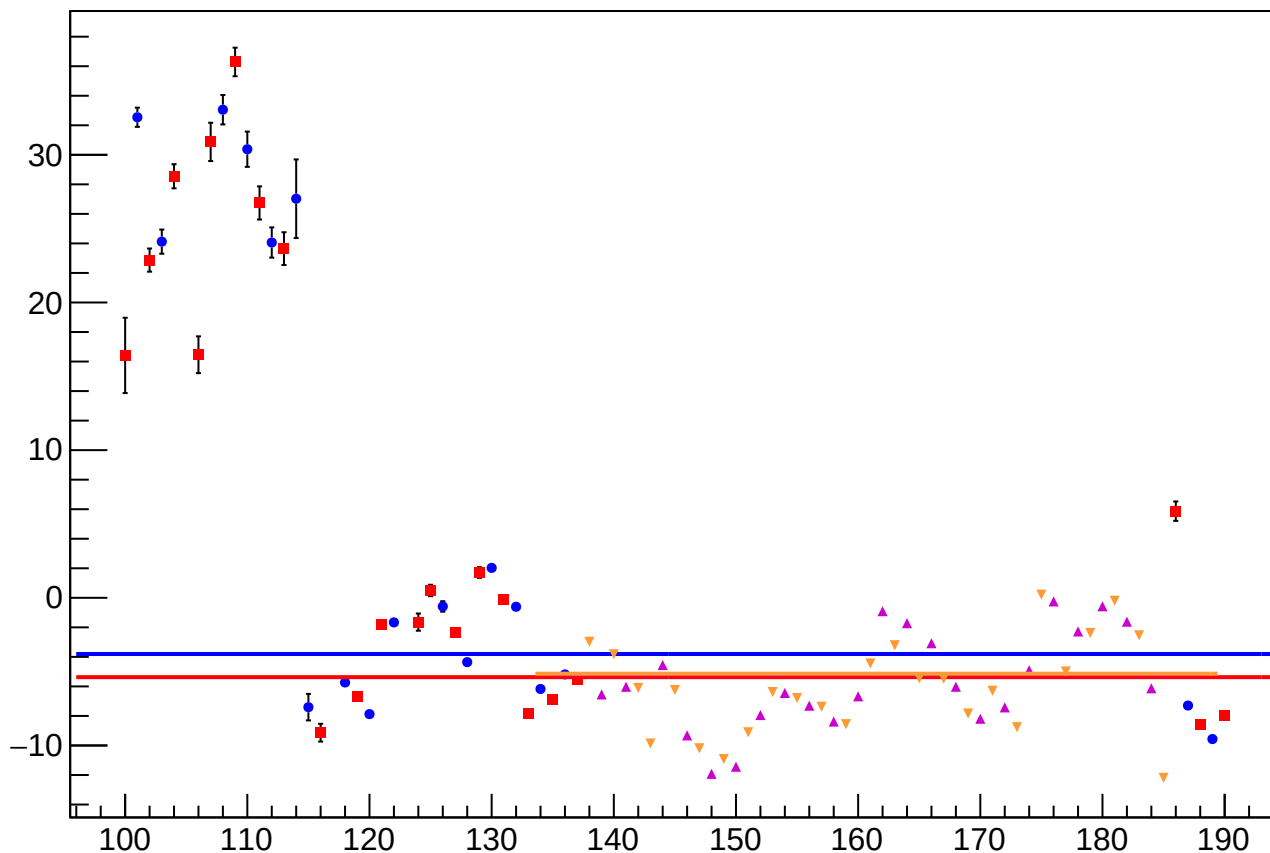
Left In: -0.271 ± 0.022 χ^2/NDF : 13220.8/22

+ sign -0.445 ± 0.021 χ^2/NDF : 21336.0/42

All: -0.460 ± 0.015 χ^2/NDF : 45824.5/87

- sign -0.474 ± 0.021 χ^2/NDF : 24487.5/44

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -3.806 ± 0.074 χ^2/NDF : 9276.5/17

Left Out: -5.138 ± 0.028 χ^2/NDF : 14626.0/24

Right Out: -5.373 ± 0.063 χ^2/NDF : 10450.4/21

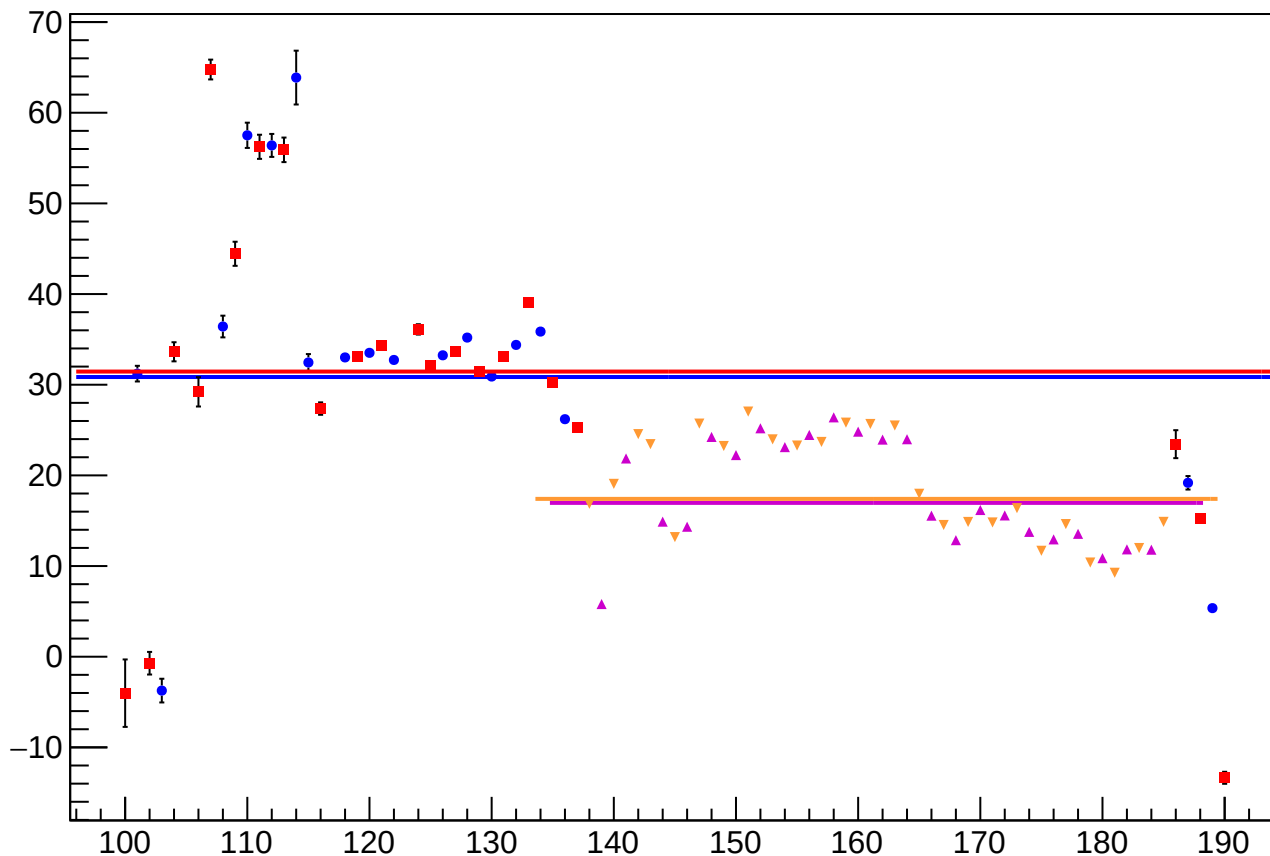
Left In: -5.177 ± 0.028 χ^2/NDF : 13963.7/22

+ sign -4.974 ± 0.026 χ^2/NDF : 24185.3/42

All: -5.093 ± 0.018 χ^2/NDF : 48649.1/87

- sign -5.211 ± 0.026 χ^2/NDF : 24422.3/44

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 30.849 $\pm$ 0.079 χ^2 /NDF: 7765.2/17

Left Out: 17.409 $\pm$ 0.024 χ^2 /NDF: 50630.8/24

Right Out: 31.452 $\pm$ 0.077 χ^2 /NDF: 13786.4/21

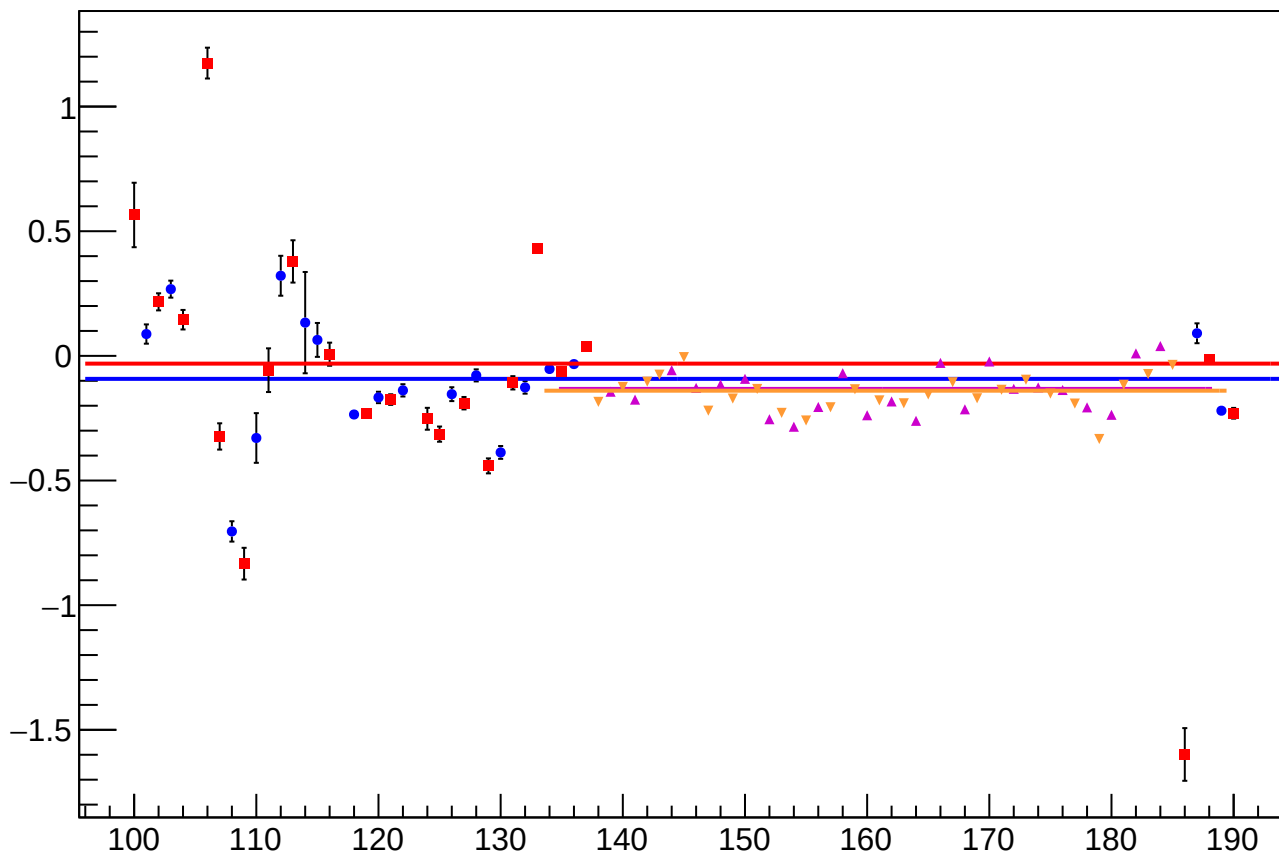
Left In: 16.967 $\pm$ 0.025 χ^2 /NDF: 39939.4/22

+ sign 18.578 $\pm$ 0.023 χ^2 /NDF: 84680.9/42

All: 18.465 $\pm$ 0.017 χ^2 /NDF: 170417.2/87

- sign 18.347 $\pm$ 0.024 χ^2 /NDF: 85688.5/44

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.092 ± 0.005 χ^2/NDF : 787.6/17

Left Out: -0.140 ± 0.001 χ^2/NDF : 4108.2/24

Right Out: -0.031 ± 0.005 χ^2/NDF : 2587.0/21

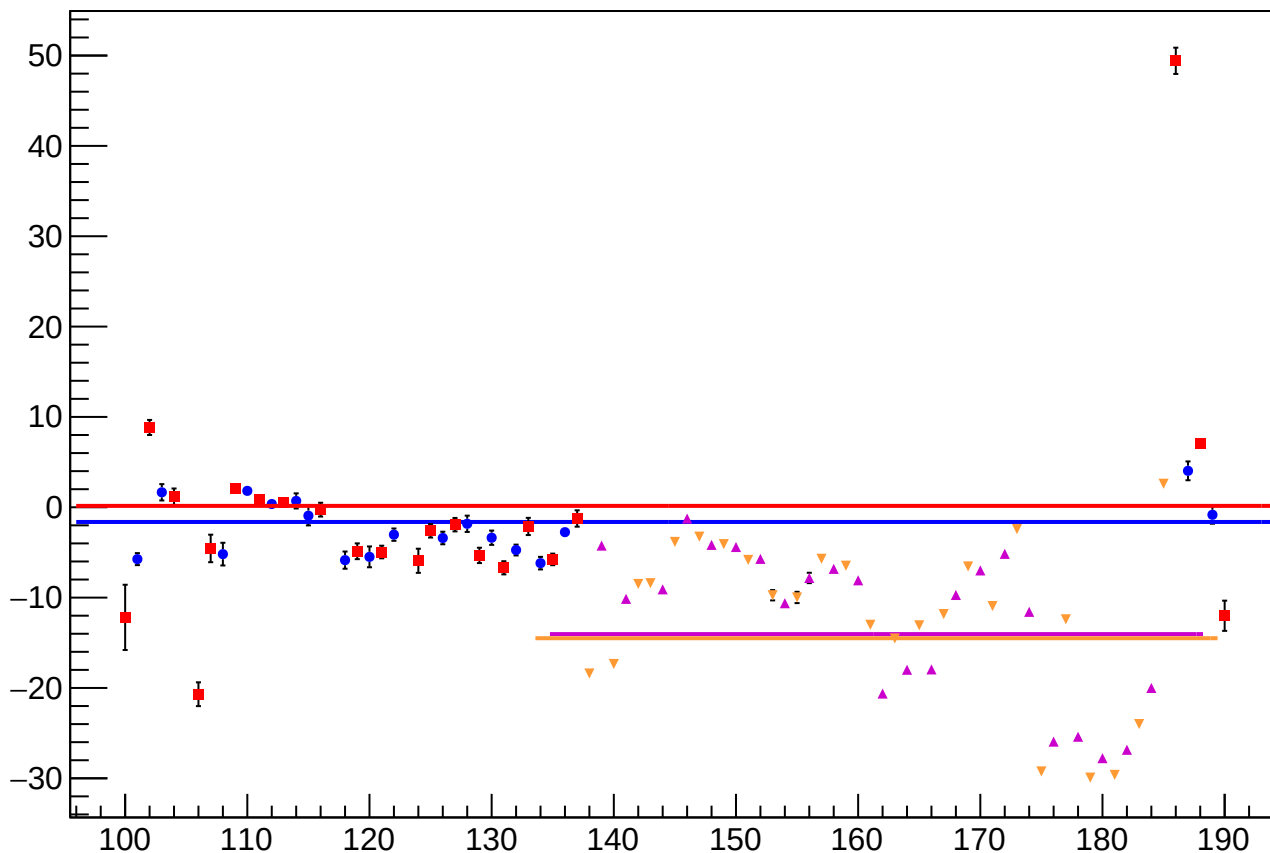
Left In: -0.133 ± 0.001 χ^2/NDF : 5529.7/22

+ sign -0.137 ± 0.001 χ^2/NDF : 4997.9/42

All: -0.132 ± 0.001 χ^2/NDF : 13615.2/87

- sign -0.127 ± 0.001 χ^2/NDF : 8572.4/44

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.626 ± 0.153 χ^2/NDF : 328.8/17

Left Out: -14.494 ± 0.075 χ^2/NDF : 17232.7/24

Right Out: 0.154 ± 0.142 χ^2/NDF : 2146.6/21

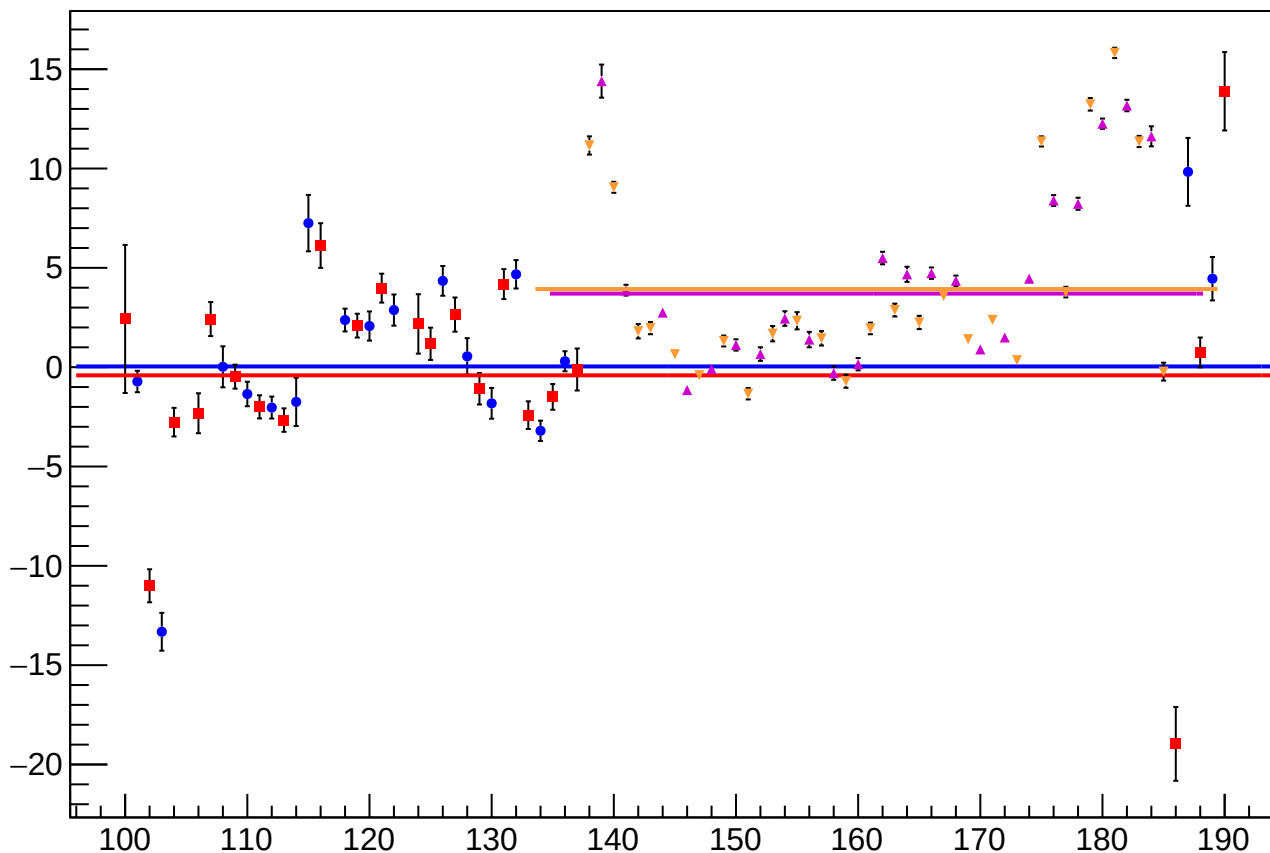
Left In: -14.038 ± 0.077 χ^2/NDF : 13482.5/22

+ sign -12.026 ± 0.067 χ^2/NDF : 23242.3/42

All: -11.423 ± 0.048 χ^2/NDF : 46789.3/87

- sign -10.813 ± 0.068 χ^2/NDF : 23384.9/44

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.037 ± 0.170 χ^2/NDF : 453.8/17

Left Out: 3.932 ± 0.058 χ^2/NDF : 6979.2/24

Right Out: -0.411 ± 0.171 χ^2/NDF : 520.8/21

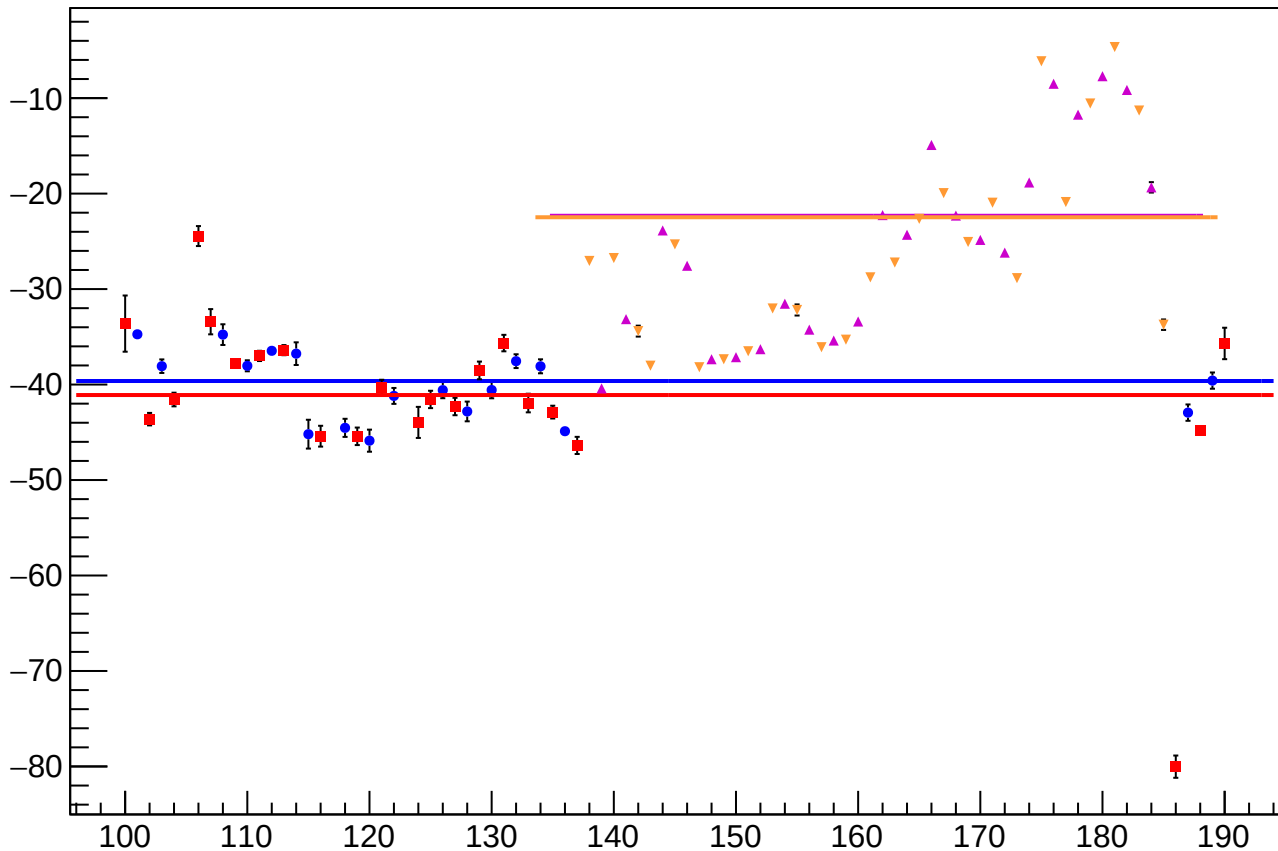
Left In: 3.703 ± 0.059 χ^2/NDF : 4788.5/22

+ sign 3.527 ± 0.055 χ^2/NDF : 7903.2/42

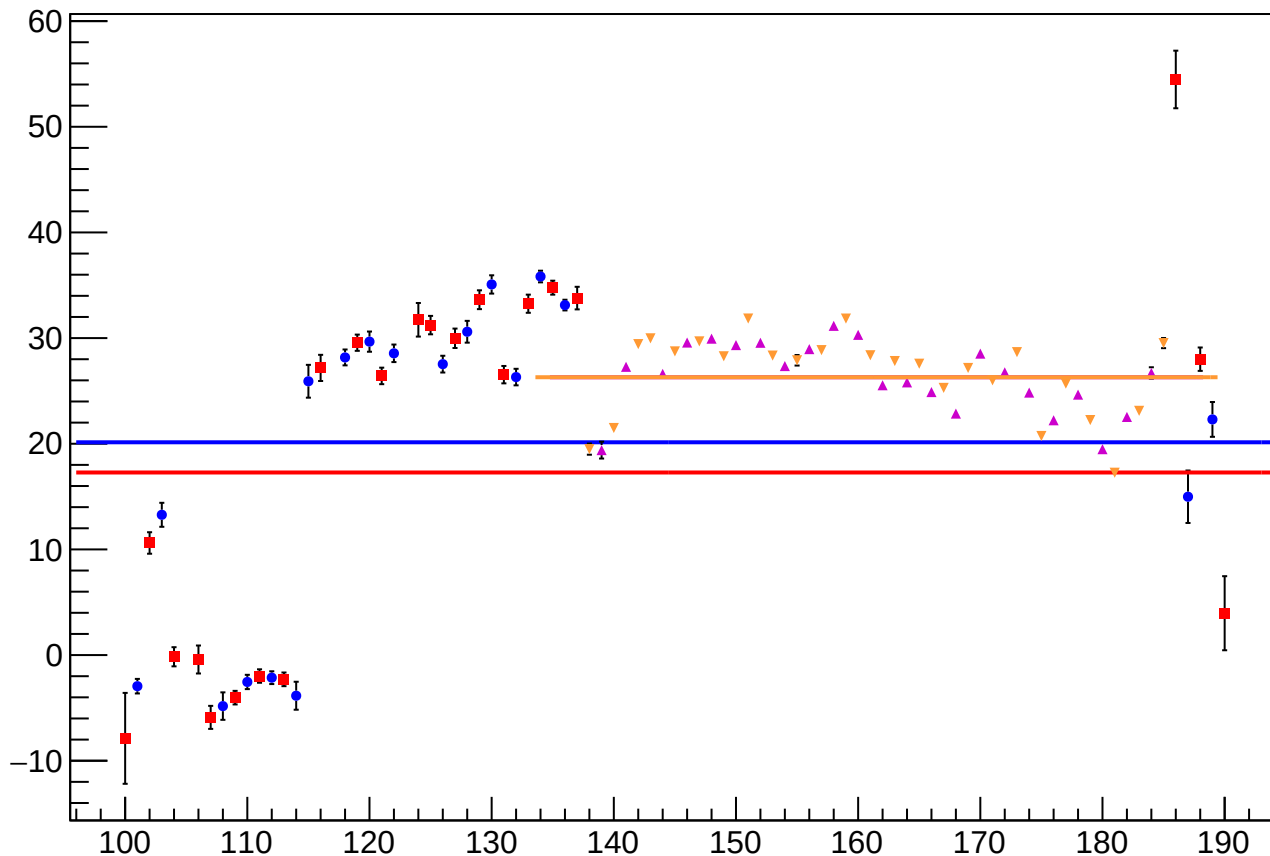
All: 3.397 ± 0.039 χ^2/NDF : 13740.1/87

- sign 3.262 ± 0.056 χ^2/NDF : 5825.5/44

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.139 ± 0.193 $\chi^2/\text{NDF}: 6690.6/17$

Left Out: 26.296 ± 0.065 $\chi^2/\text{NDF}: 3307.8/24$

Right Out: 17.280 ± 0.196 $\chi^2/\text{NDF}: 7040.0/21$

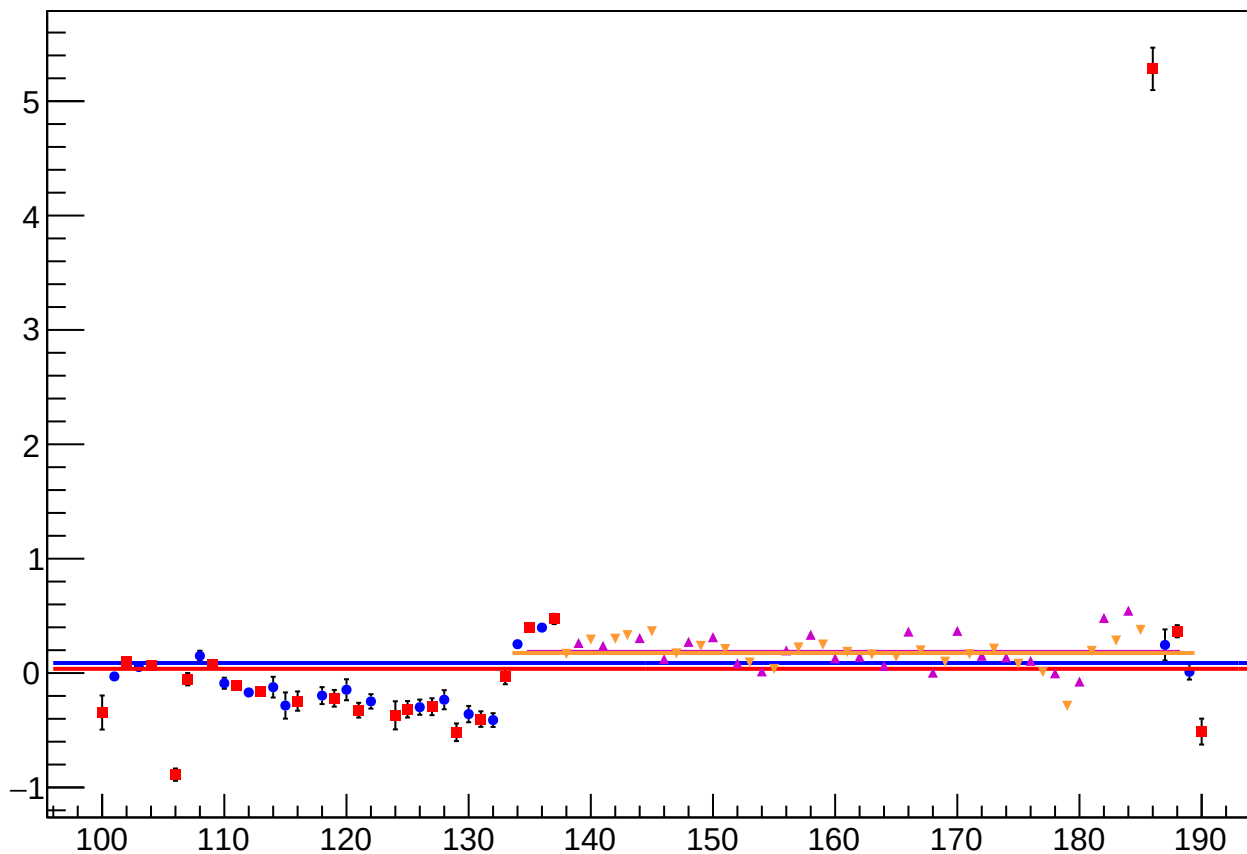
Left In: 26.292 ± 0.067 $\chi^2/\text{NDF}: 2185.8/22$

+ sign 25.666 ± 0.062 $\chi^2/\text{NDF}: 10914.2/42$

All: 25.514 ± 0.044 $\chi^2/\text{NDF}: 22052.1/87$

- sign 25.356 ± 0.063 $\chi^2/\text{NDF}: 11125.6/44$

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.088 $\pm$ 0.010 χ^2 /NDF: 566.6/17

Left Out: 0.176 $\pm$ 0.003 χ^2 /NDF:1935.6/24

Right Out: 0.037 $\pm$ 0.011 χ^2 /NDF: 1703.8/21

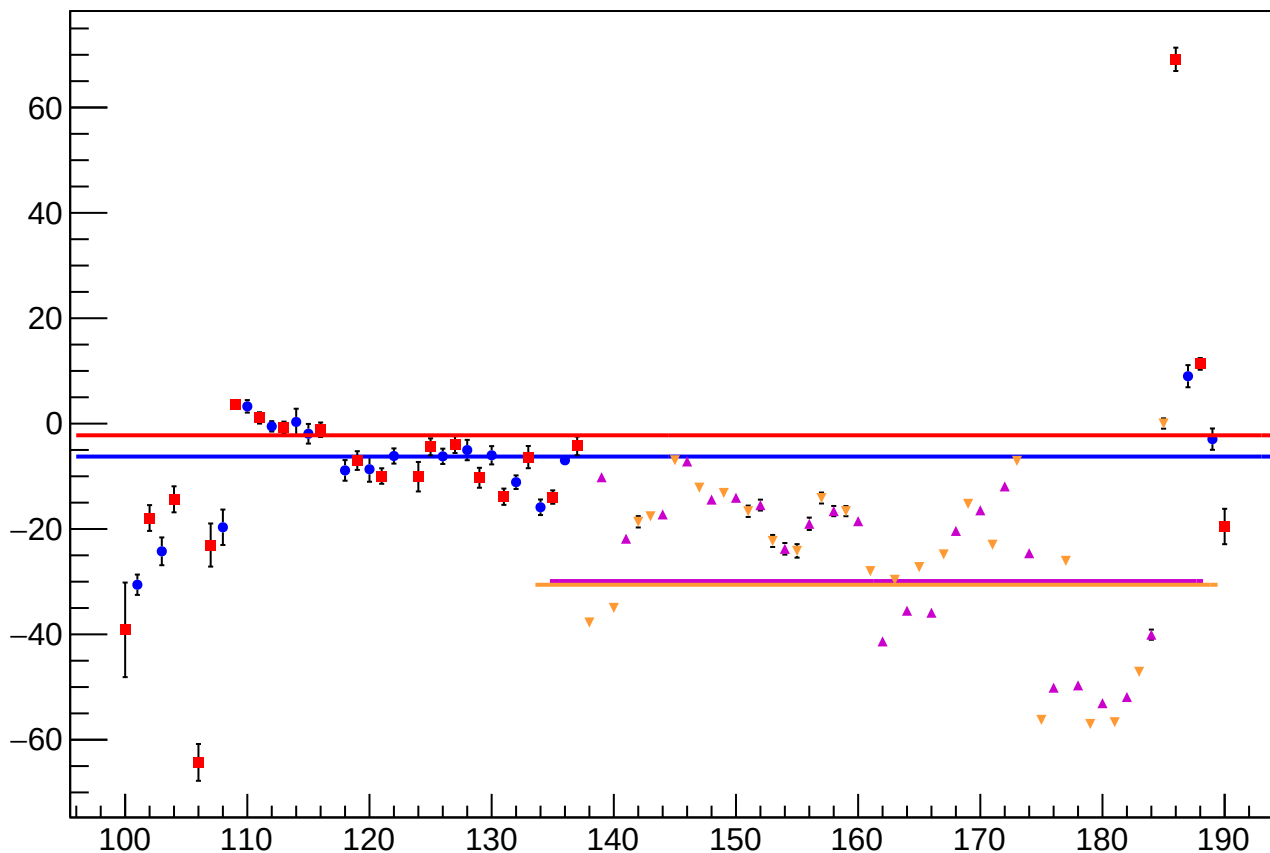
Left In: 0.185 $\pm$ 0.003 χ^2 /NDF:2538.5/22

+ sign 0.169 $\pm$ 0.003 χ^2 /NDF: 2569.7/42

All: 0.172 $\pm$ 0.002 χ^2 /NDF: 6990.3/87

- sign 0.174 $\pm$ 0.003 χ^2 /NDF: 4418.9/44

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -6.253 ± 0.364 χ^2/NDF : 447.8/17

Left Out: -30.587 ± 0.142 χ^2/NDF : 16046.0/24

Right Out: -2.219 ± 0.344 χ^2/NDF : 1898.3/21

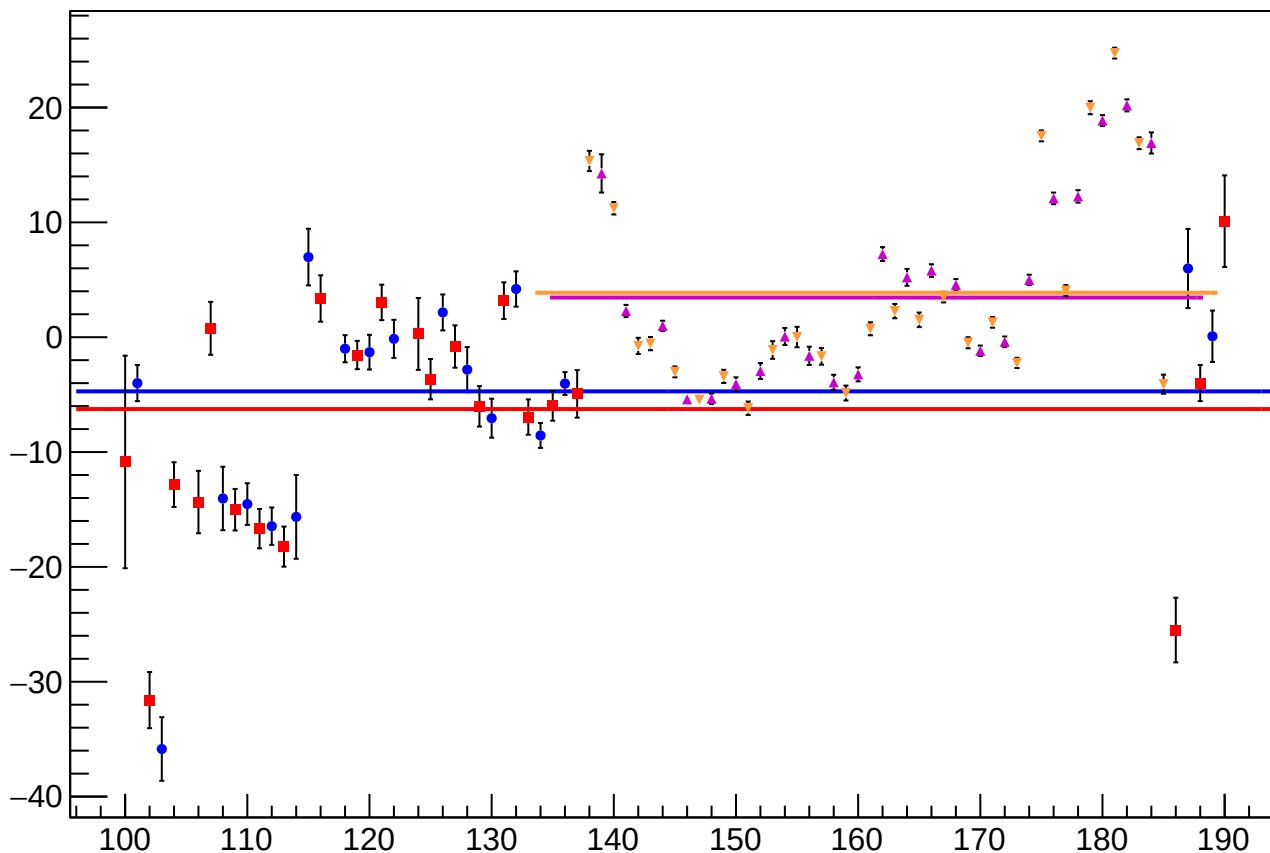
Left In: -29.878 ± 0.146 χ^2/NDF : 12034.7/22

+ sign -27.364 ± 0.132 χ^2/NDF : 20376.4/42

All: -26.520 ± 0.094 χ^2/NDF : 39864.4/87

- sign -25.648 ± 0.135 χ^2/NDF : 19405.3/44

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -4.714 ± 0.387 χ^2/NDF : 356.5/17

Left Out: 3.873 ± 0.111 χ^2/NDF : 6542.0/24

Right Out: -6.257 ± 0.397 χ^2/NDF : 434.7/21

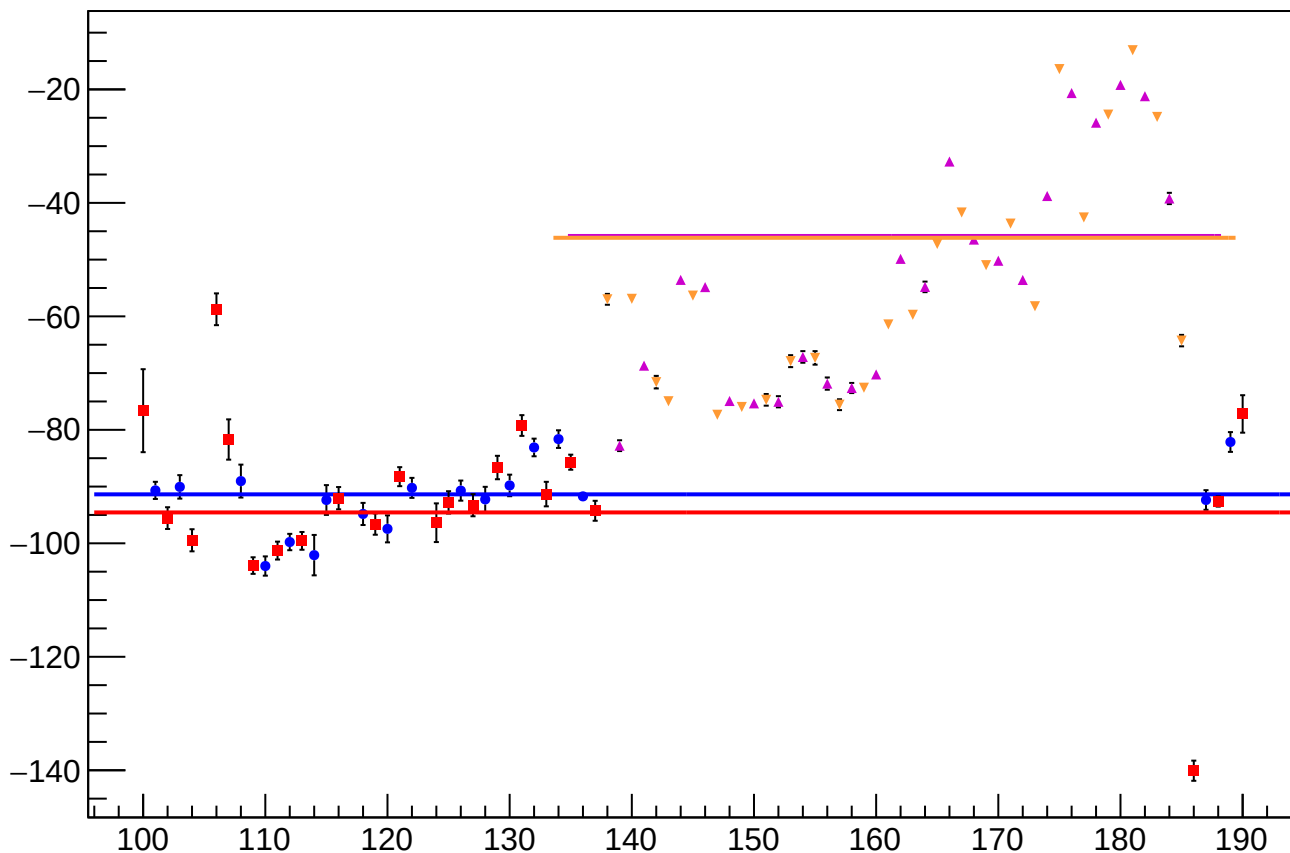
Left In: 3.453 ± 0.114 χ^2/NDF : 4693.7/22

+ sign 3.218 ± 0.107 χ^2/NDF : 7353.7/42

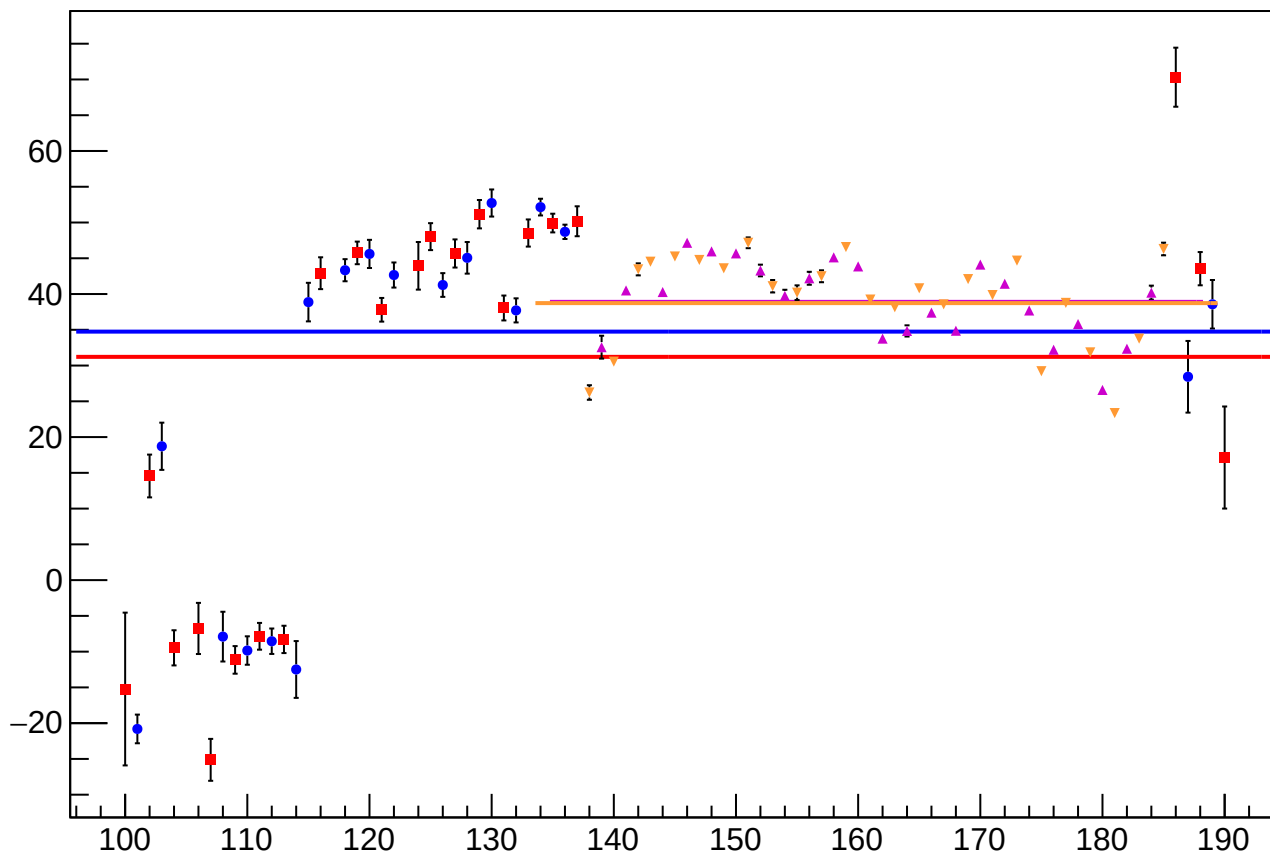
All: 2.972 ± 0.076 χ^2/NDF : 13046.7/87

- sign 2.716 ± 0.109 χ^2/NDF : 5682.2/44

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.745 $\pm$ 0.437 χ^2 /NDF: 2812.0/17

Left Out: 38.730 $\pm$ 0.125 χ^2 /NDF: 2781.7/24

Right Out: 31.217 $\pm$ 0.454 χ^2 /NDF: 3036.9/21

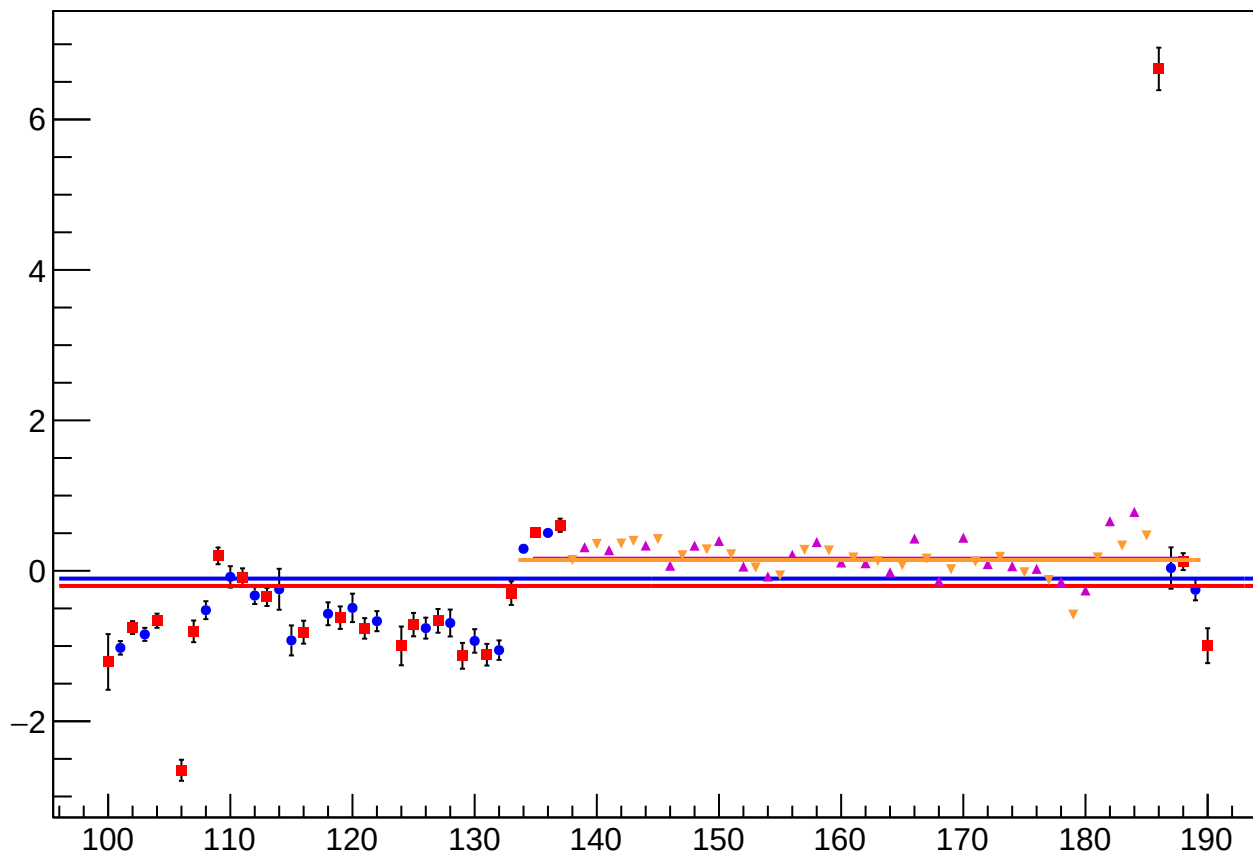
Left In: 38.905 $\pm$ 0.127 χ^2 /NDF: 1971.6/22

+ sign 38.430 $\pm$ 0.120 χ^2 /NDF: 5670.8/42

All: 38.388 $\pm$ 0.086 χ^2 /NDF: 10945.1/87

- sign 38.344 $\pm$ 0.123 χ^2 /NDF: 5274.1/44

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.103 ± 0.024 χ^2/NDF : 632.8/17

Left Out: 0.144 ± 0.006 χ^2/NDF : 1442.8/24

Right Out: -0.201 ± 0.025 χ^2/NDF : 1440.9/21

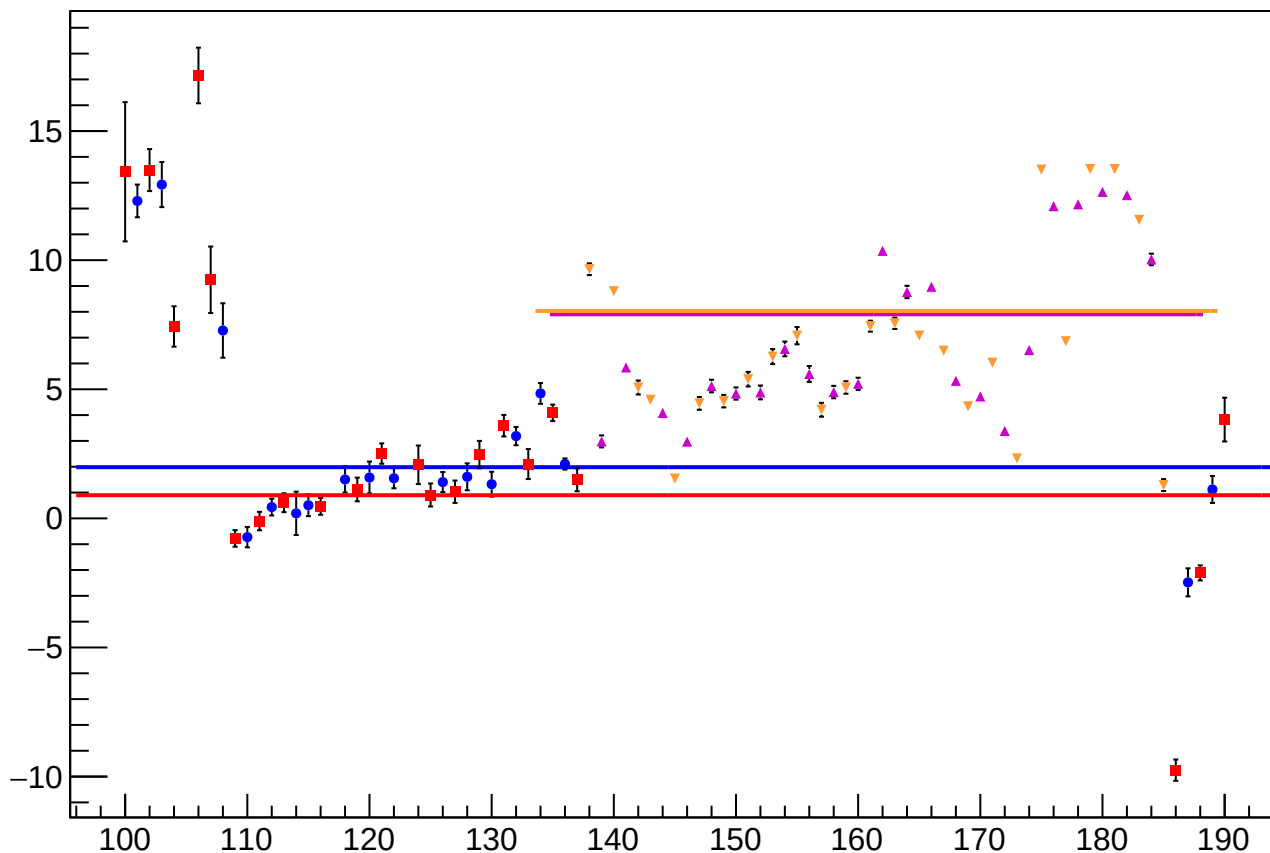
Left In: 0.161 ± 0.006 χ^2/NDF : 1918.8/22

+ sign 0.131 ± 0.005 χ^2/NDF : 2179.6/42

All: 0.137 ± 0.004 χ^2/NDF : 5736.2/87

- sign 0.144 ± 0.006 χ^2/NDF : 3553.7/44

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 1.982 ± 0.101 χ^2/NDF : 673.1/17

Left Out: 8.034 ± 0.035 χ^2/NDF : 13924.1/24

Right Out: 0.896 ± 0.096 χ^2/NDF : 1597.6/21

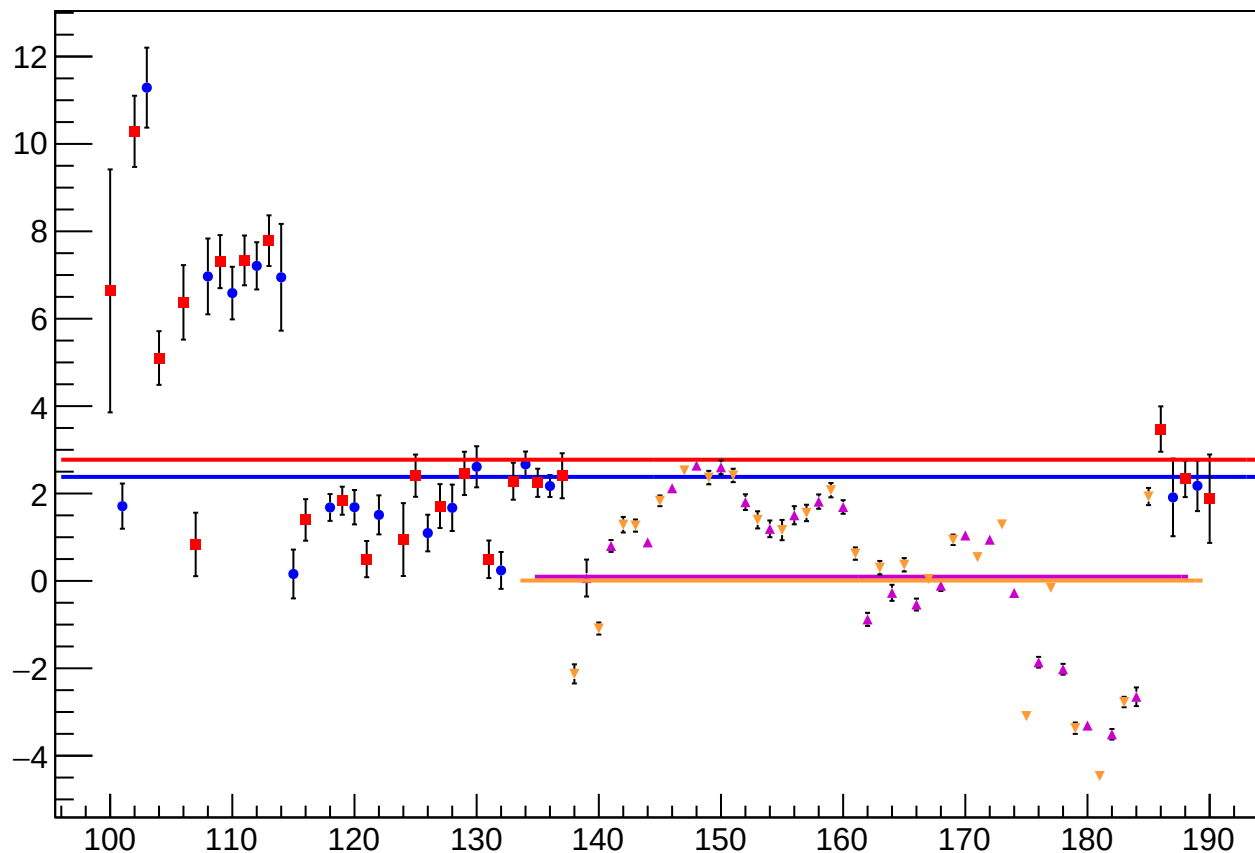
Left In: 7.903 ± 0.036 χ^2/NDF : 10017.8/22

+ sign 7.396 ± 0.033 χ^2/NDF : 17800.0/42

All: 7.224 ± 0.023 χ^2/NDF : 34158.0/87

- sign 7.045 ± 0.034 χ^2/NDF : 16302.3/44

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.380 $\pm$ 0.106 χ^2 /NDF: 334.3/17

Left Out: 0.009 $\pm$ 0.027 χ^2 /NDF: 5761.2/24

Right Out: 2.774 $\pm$ 0.109 χ^2 /NDF: 414.7/21

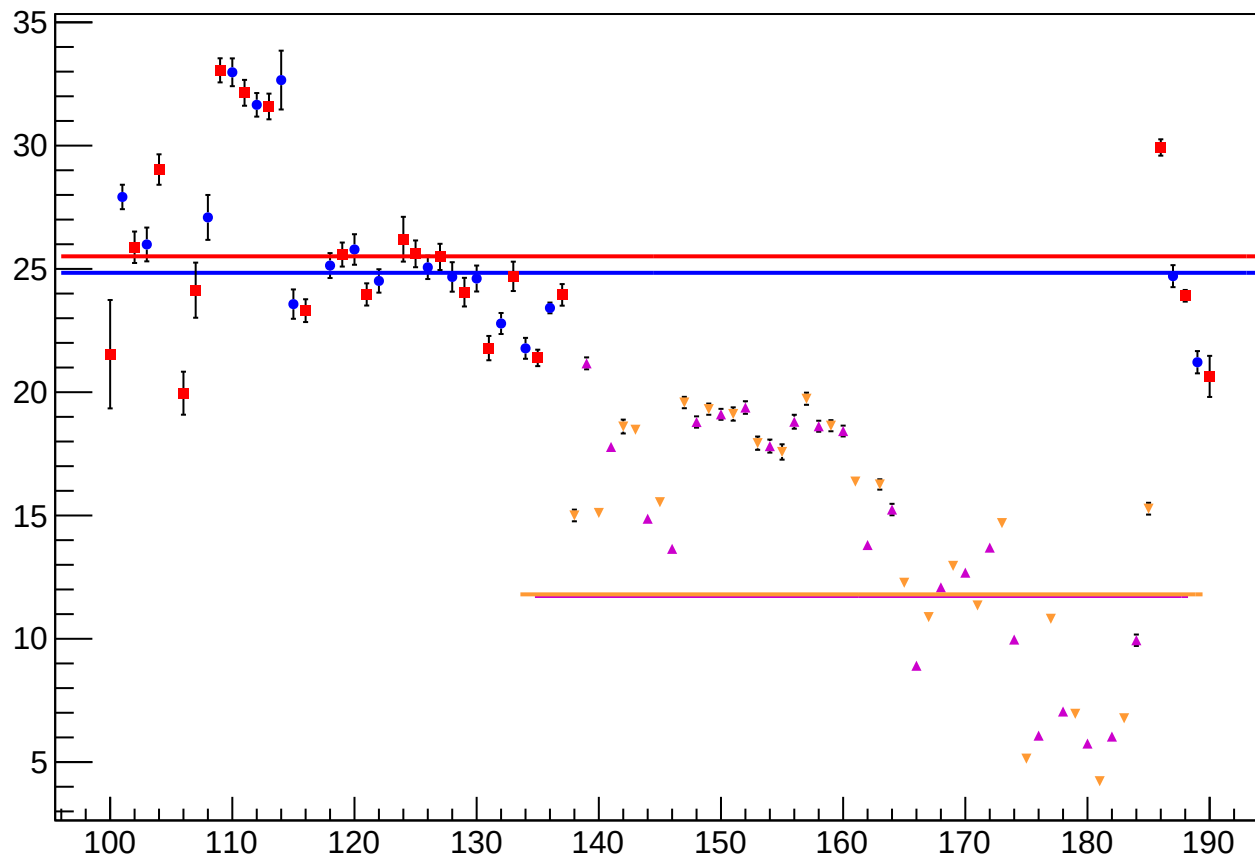
Left In: 0.096 $\pm$ 0.028 χ^2 /NDF: 4433.3/22

+ sign 0.159 $\pm$ 0.027 χ^2 /NDF: 6566.8/42

All: 0.211 $\pm$ 0.019 χ^2 /NDF: 11993.2/87

- sign 0.265 $\pm$ 0.027 χ^2 /NDF: 5418.6/44

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 24.841 $\pm$ 0.110 χ^2 /NDF: 692.2/17

Left Out: 11.802 $\pm$ 0.035 χ^2 /NDF:21479.5/24

Right Out: 25.510 $\pm$ 0.103 χ^2 /NDF: 1135.5/21

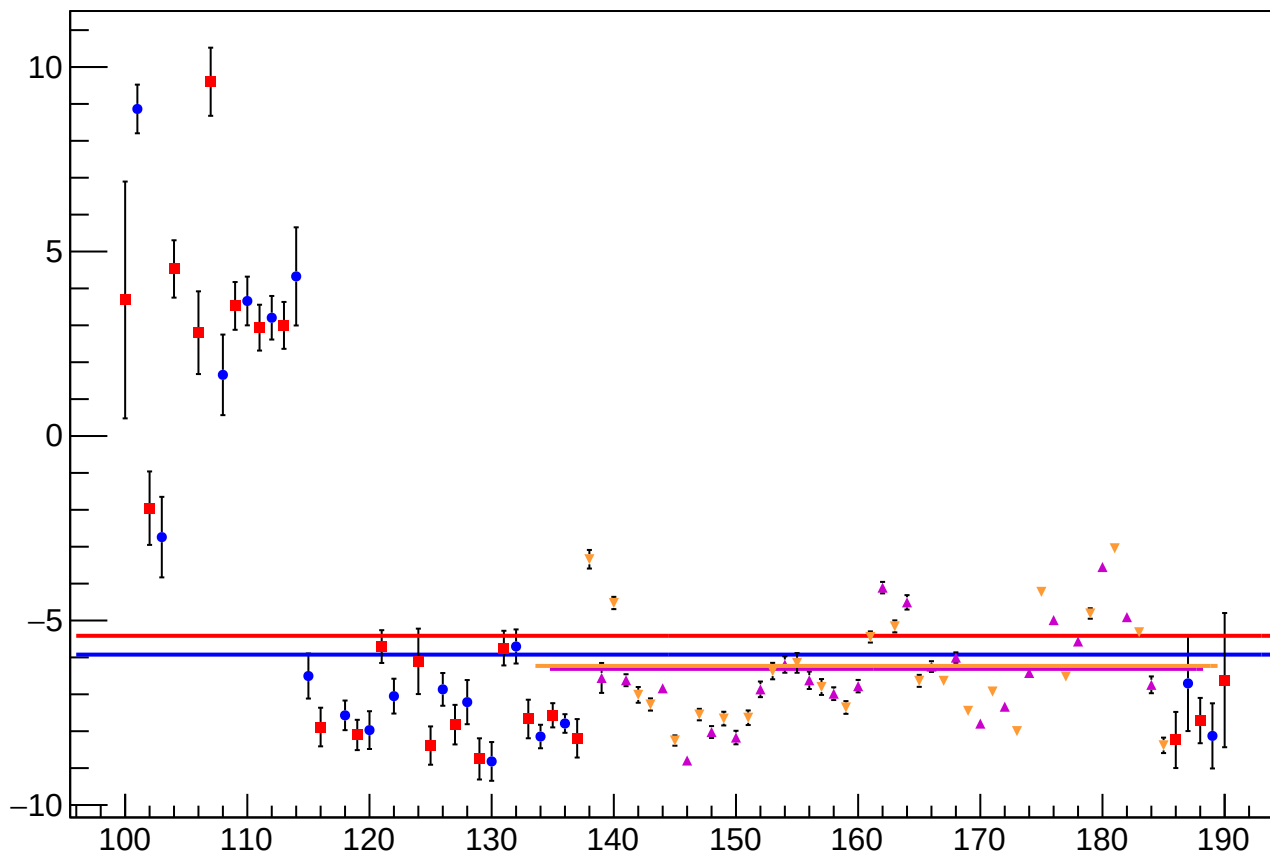
Left In: 11.735 $\pm$ 0.036 χ^2 /NDF:17999.5/22

+ sign 12.987 $\pm$ 0.033 χ^2 /NDF: 34895.8/42

All: 13.096 $\pm$ 0.024 χ^2 /NDF: 69884.7/87

- sign 13.209 $\pm$ 0.034 χ^2 /NDF: 34967.0/44

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.924 ± 0.119 χ^2/NDF : 1258.2/17

Left Out: -6.231 ± 0.031 χ^2/NDF : 2450.1/24

Right Out: -5.414 ± 0.125 χ^2/NDF : 1322.3/21

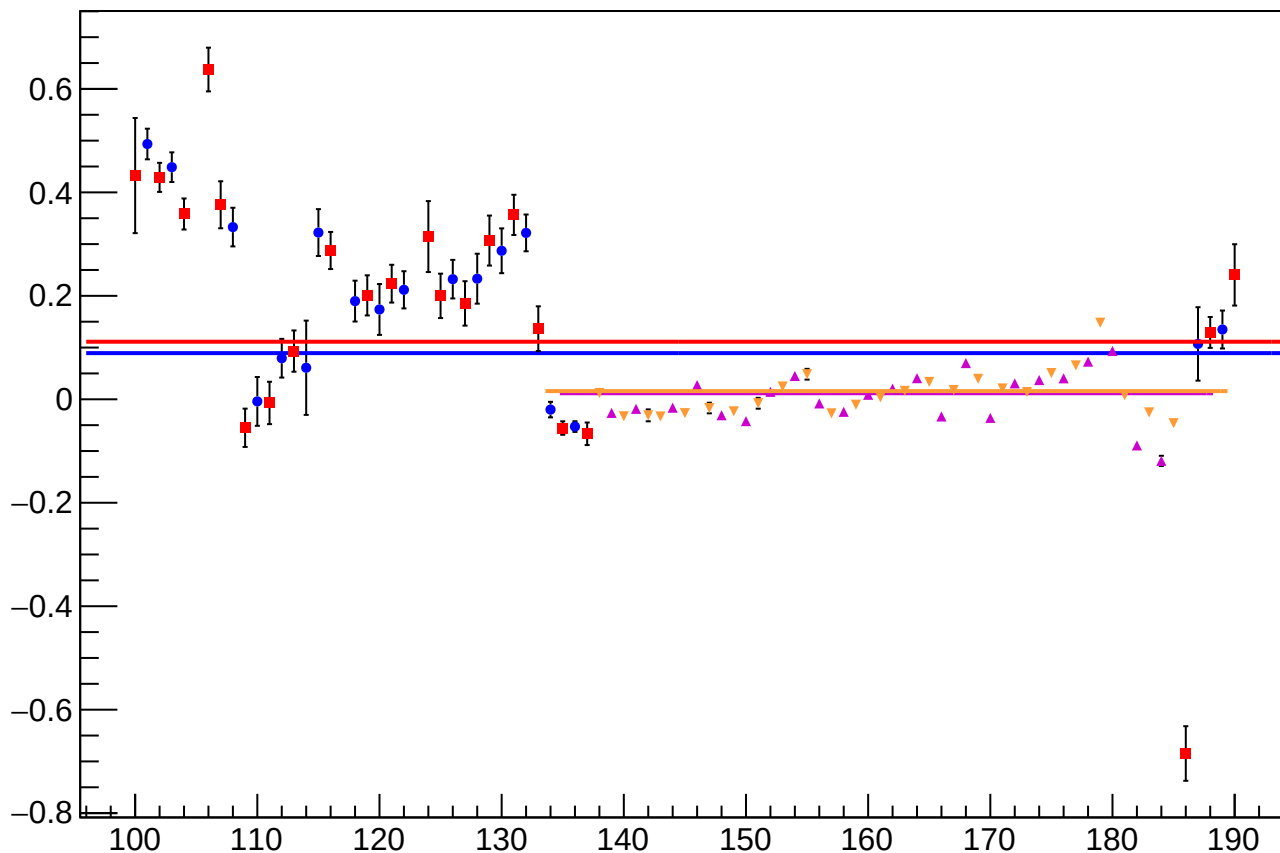
Left In: -6.311 ± 0.031 χ^2/NDF : 2030.2/22

+ sign -6.211 ± 0.030 χ^2/NDF : 3714.4/42

All: -6.234 ± 0.021 χ^2/NDF : 7116.7/87

- sign -6.258 ± 0.030 χ^2/NDF : 3401.1/44

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.089 ± 0.006 χ^2/NDF : 769.7/17

Left Out: 0.016 ± 0.001 χ^2/NDF : 933.4/24

Right Out: 0.111 ± 0.007 χ^2/NDF : 997.8/21

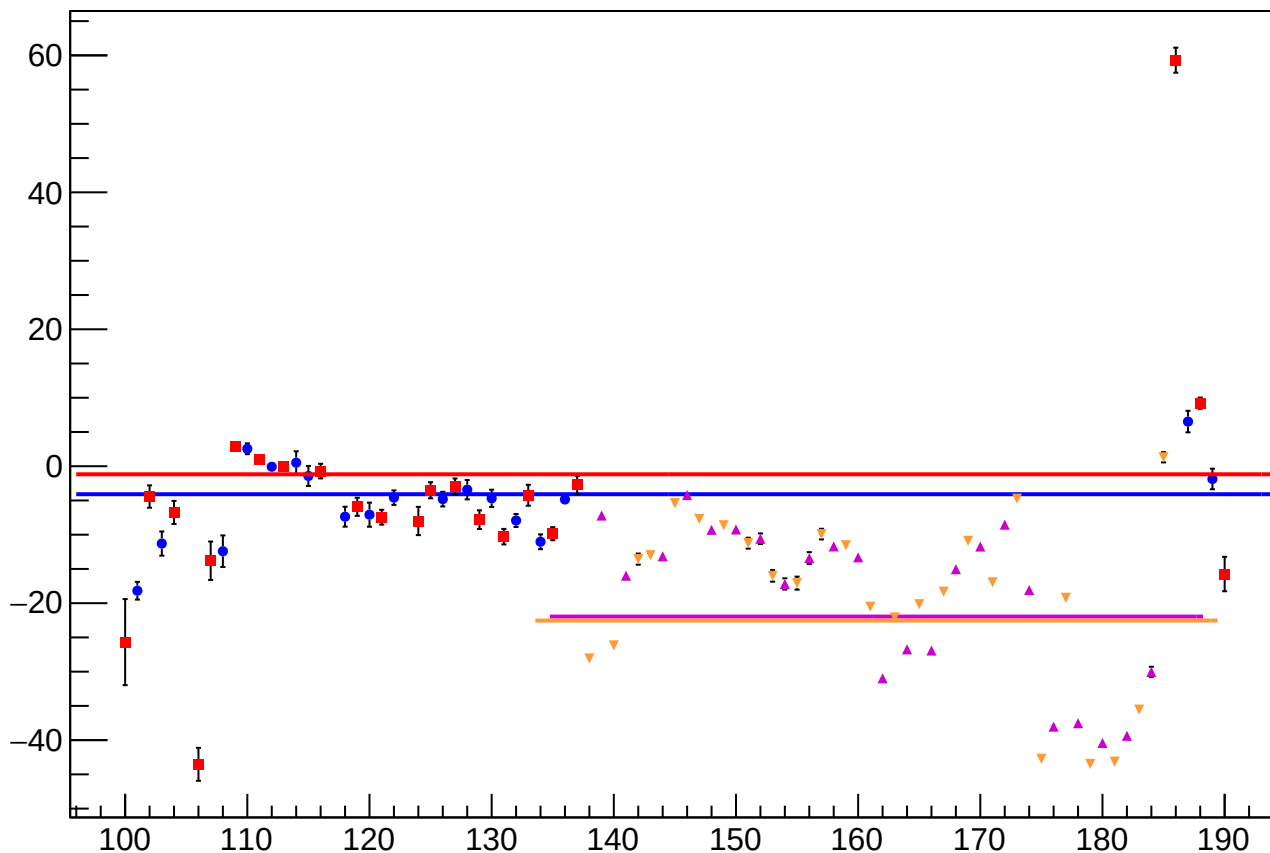
Left In: 0.012 ± 0.001 χ^2/NDF : 1297.5/22

+ sign 0.019 ± 0.001 χ^2/NDF : 1826.7/42

All: 0.017 ± 0.001 χ^2/NDF : 4319.5/87

- sign 0.016 ± 0.001 χ^2/NDF : 2489.6/44

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.089 ± 0.261 χ^2/NDF : 381.7/17

Left Out: -22.538 ± 0.108 χ^2/NDF : 16540.6/24

Right Out: -1.177 ± 0.245 χ^2/NDF : 1940.3/21

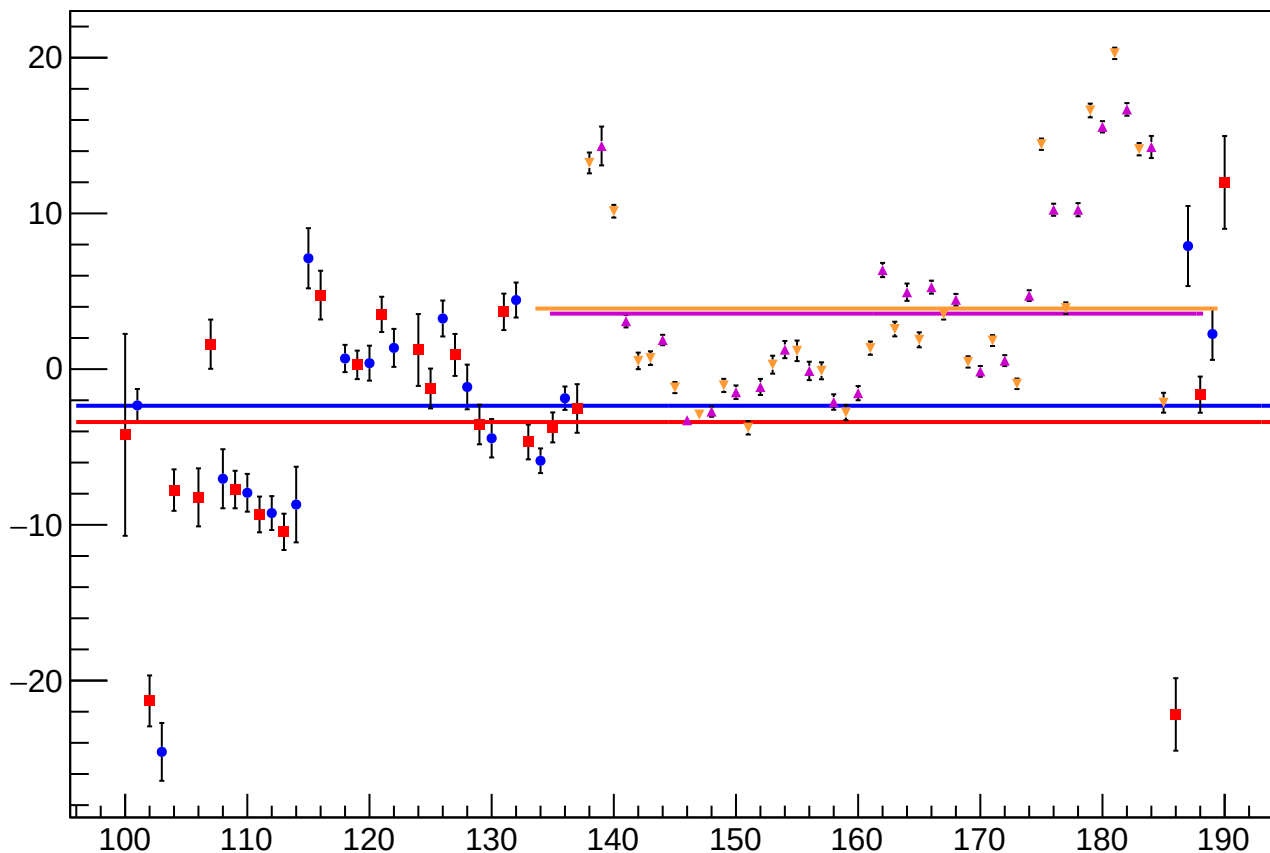
Left In: -21.957 ± 0.111 χ^2/NDF : 12585.3/22

+ sign -19.829 ± 0.100 χ^2/NDF : 21198.5/42

All: -19.131 ± 0.071 χ^2/NDF : 41782.7/87

- sign -18.413 ± 0.101 χ^2/NDF : 20484.9/44

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.352 ± 0.280 χ^2/NDF : 376.4/17

Left Out: 3.891 ± 0.084 χ^2/NDF : 6724.1/24

Right Out: -3.397 ± 0.286 χ^2/NDF : 453.6/21

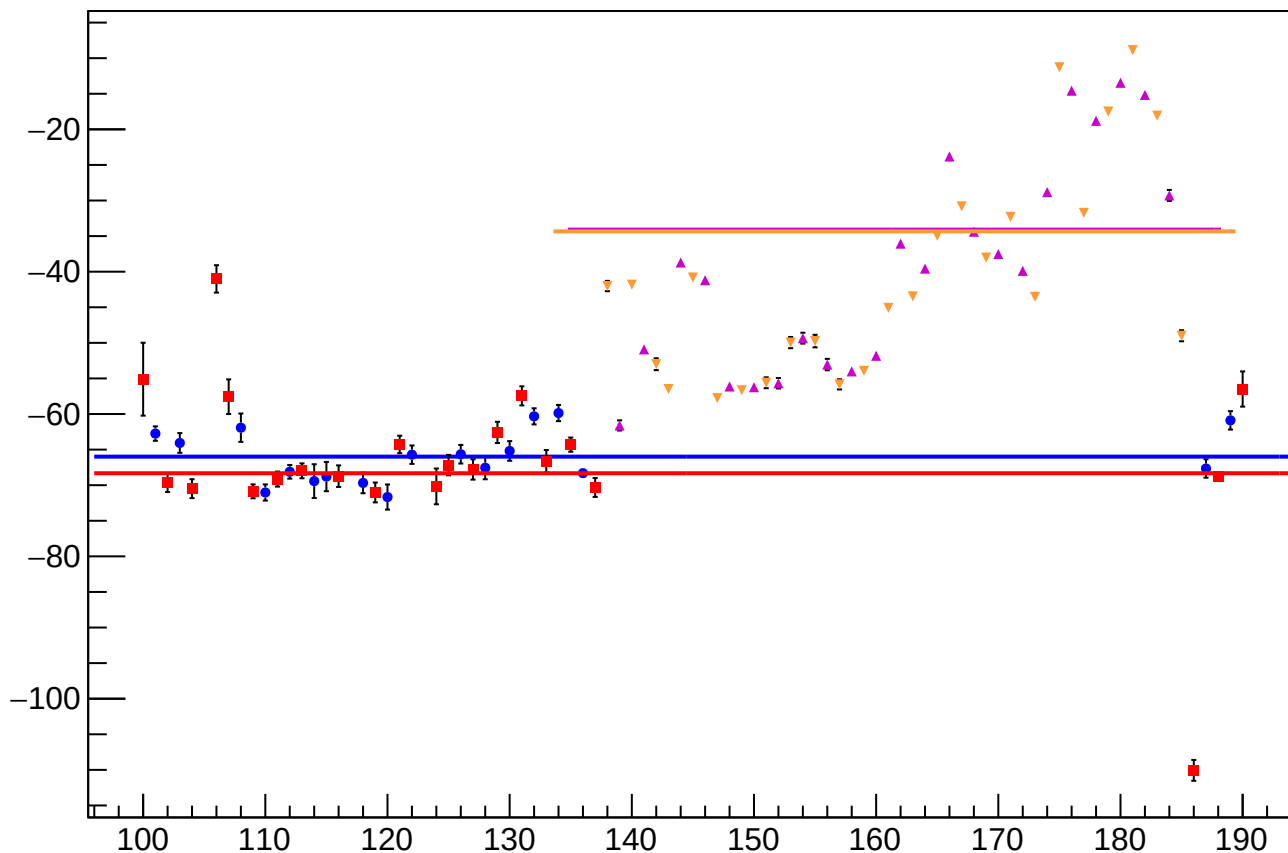
Left In: 3.565 ± 0.086 χ^2/NDF : 4739.4/22

+ sign 3.373 ± 0.081 χ^2/NDF : 7556.6/42

All: 3.183 ± 0.058 χ^2/NDF : 13304.9/87

- sign 2.985 ± 0.083 χ^2/NDF : 5737.0/44

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -65.987 ± 0.289 χ^2/NDF : 146.7/17

Left Out: -34.334 ± 0.108 χ^2/NDF : 21200.8/24

Right Out: -68.321 ± 0.276 χ^2/NDF : 1188.7/21

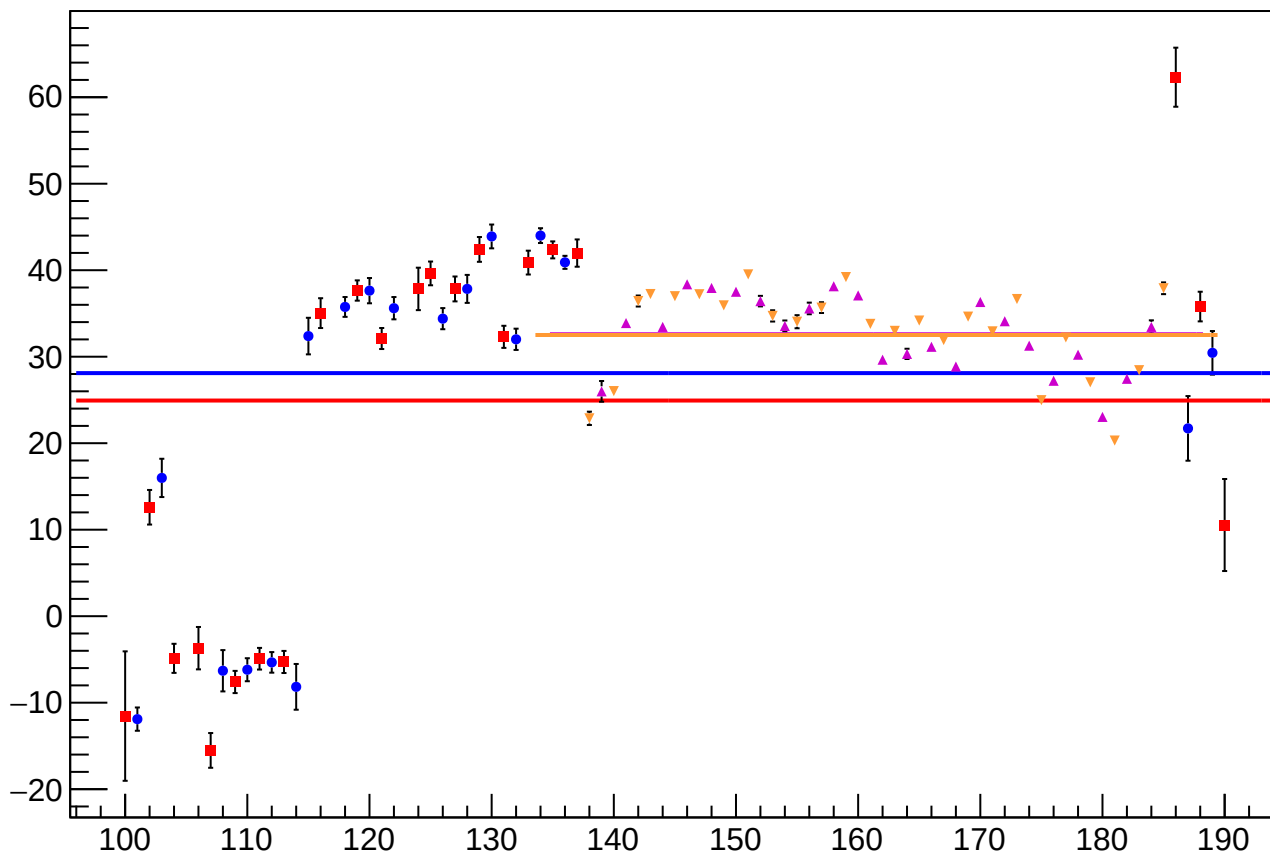
Left In: -34.091 ± 0.111 χ^2/NDF : 17726.5/22

+ sign -38.236 ± 0.101 χ^2/NDF : 31884.7/42

All: -38.543 ± 0.072 χ^2/NDF : 64076.9/87

- sign -38.859 ± 0.103 χ^2/NDF : 32173.6/44

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.103 $\pm$ 0.316 χ^2 /NDF: 3731.5/17

Left Out: 32.511 $\pm$ 0.095 χ^2 /NDF:2938.0/24

Right Out: 24.933 $\pm$ 0.327 χ^2 /NDF: 4013.6/21

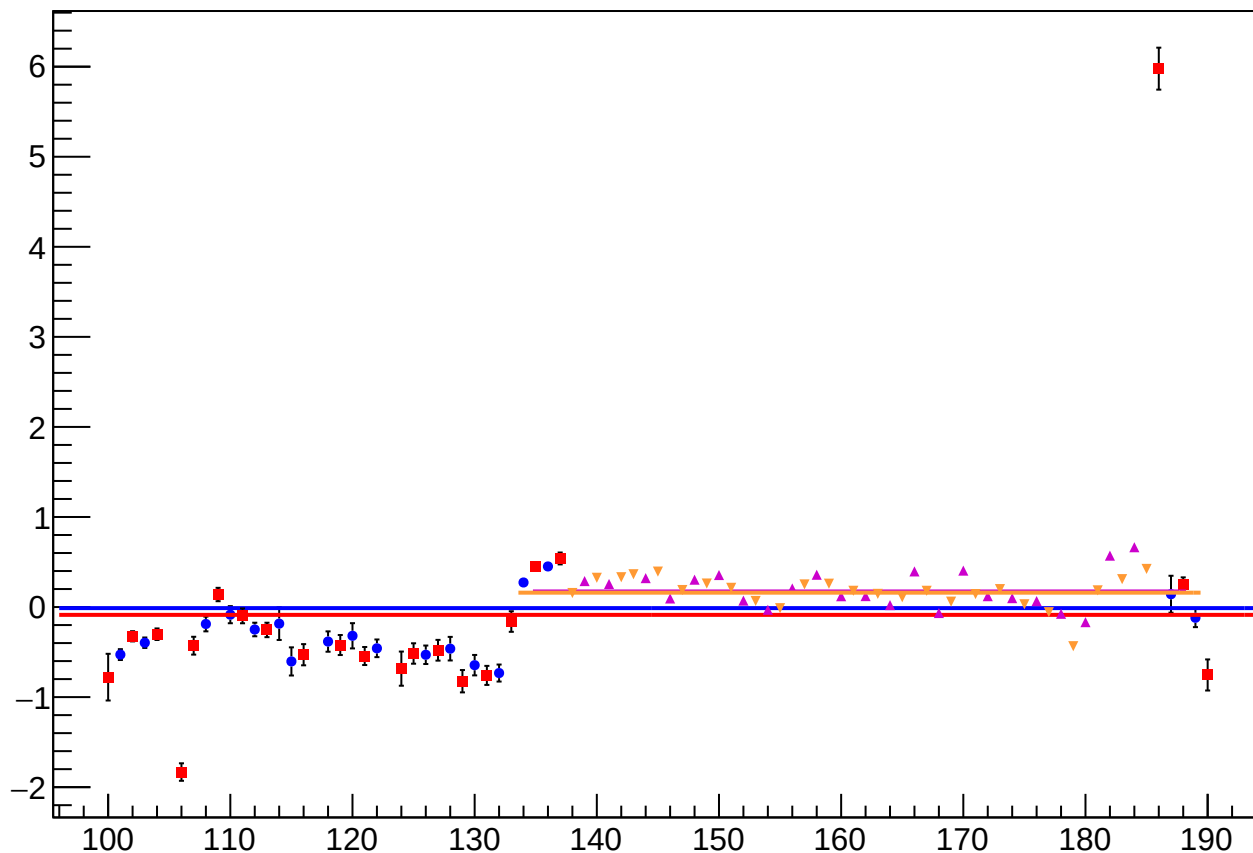
Left In: 32.598 $\pm$ 0.097 χ^2 /NDF:2012.9/22

+ sign 32.149 $\pm$ 0.091 χ^2 /NDF: 6847.8/42

All: 32.068 $\pm$ 0.065 χ^2 /NDF: 13380.7/87

- sign 31.982 $\pm$ 0.093 χ^2 /NDF: 6531.3/44

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.017 χ^2/NDF : 589.0/17

Left Out: 0.160 ± 0.004 χ^2/NDF : 1613.0/24

Right Out: -0.087 ± 0.018 χ^2/NDF : 1534.1/21

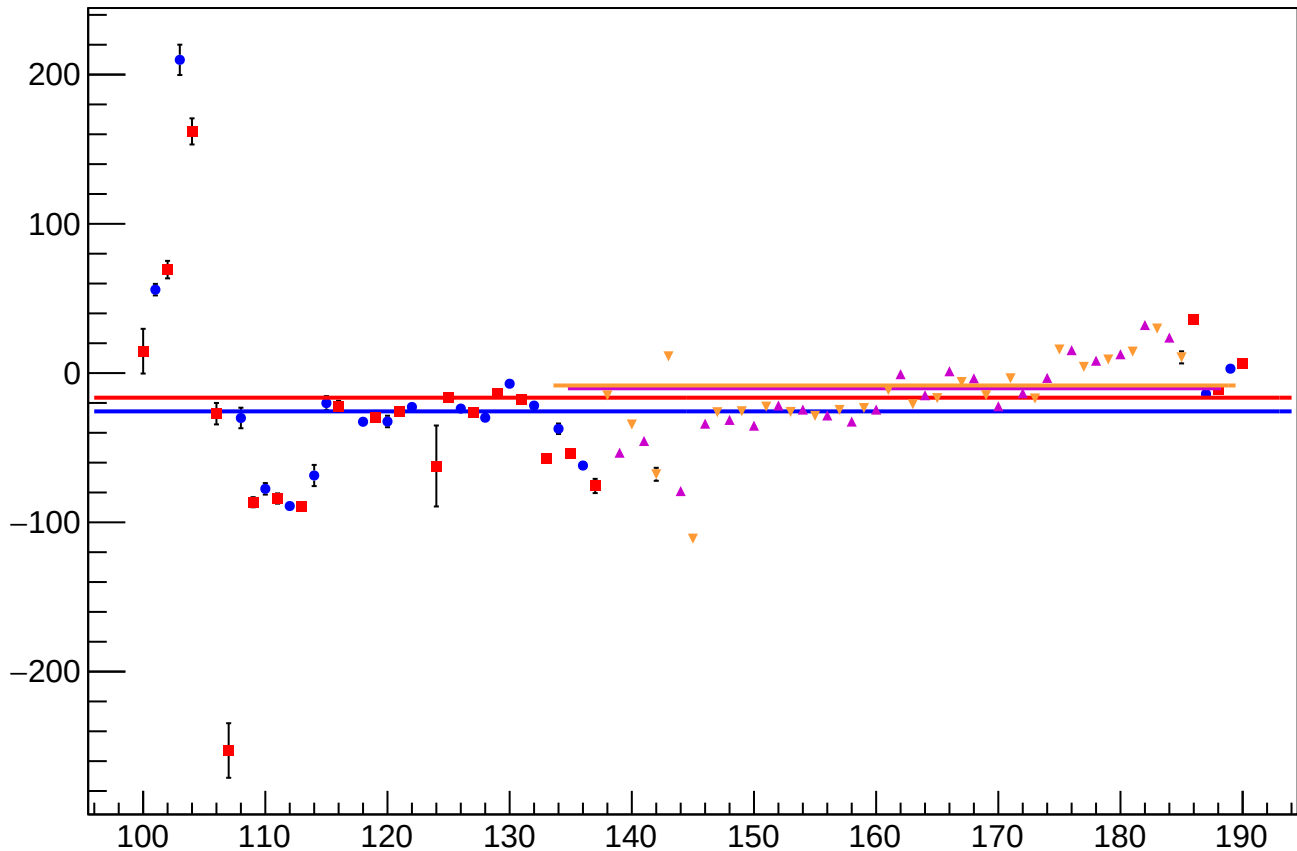
Left In: 0.173 ± 0.004 χ^2/NDF : 2129.7/22

+ sign 0.150 ± 0.004 χ^2/NDF : 2297.5/42

All: 0.154 ± 0.003 χ^2/NDF : 6157.1/87

- sign 0.159 ± 0.004 χ^2/NDF : 3857.0/44

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -25.651 ± 0.731 χ^2/NDF : 2147.7/17

Left Out: -8.298 ± 0.514 χ^2/NDF : 2559.6/24

Right Out: -16.478 ± 0.621 χ^2/NDF : 3921.4/21

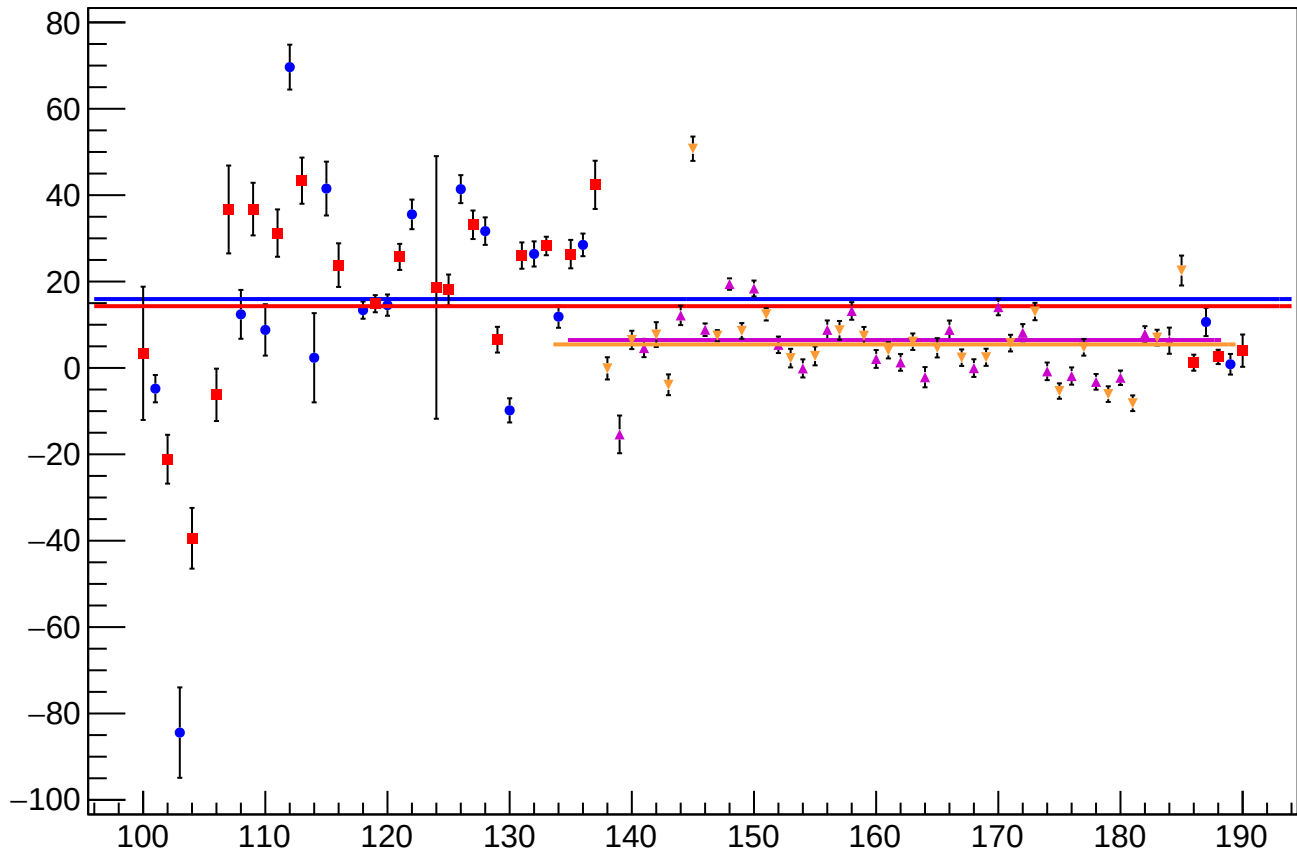
Left In: -10.183 ± 0.526 χ^2/NDF : 2518.4/22

+ sign -14.037 ± 0.420 χ^2/NDF : 5084.8/42

All: -13.398 ± 0.290 χ^2/NDF : 11588.9/87

- sign -12.815 ± 0.401 χ^2/NDF : 6499.7/44

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 15.945 $\pm$ 0.757 χ^2 /NDF: 548.7/17

Left Out: 5.445 $\pm$ 0.394 χ^2 /NDF: 493.7/24

Right Out: 14.300 $\pm$ 0.698 χ^2 /NDF: 429.2/21

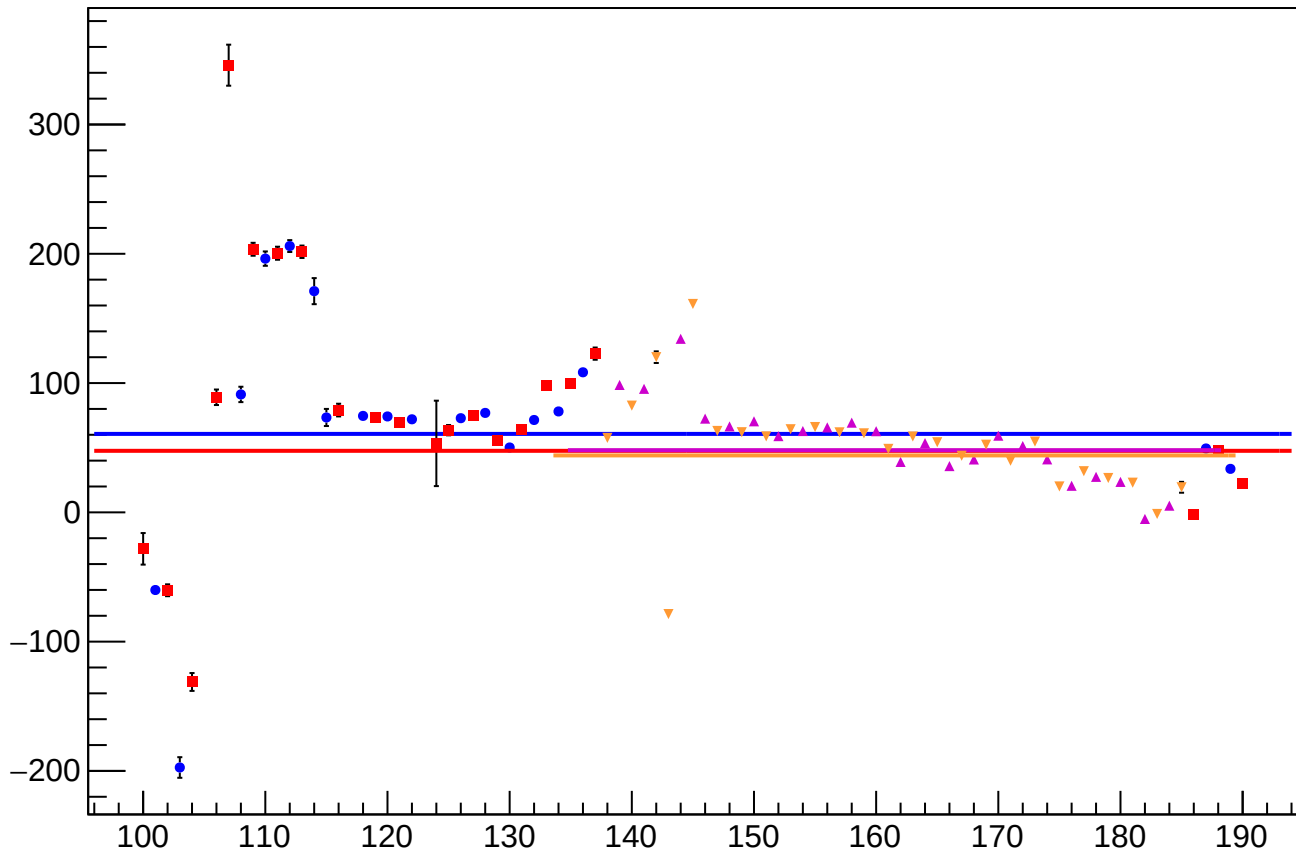
Left In: 6.461 $\pm$ 0.408 χ^2 /NDF: 336.0/22

+ sign 7.684 $\pm$ 0.349 χ^2 /NDF: 1193.9/42

All: 8.068 $\pm$ 0.248 χ^2 /NDF: 2055.5/87

- sign 8.458 $\pm$ 0.352 χ^2 /NDF: 859.2/44

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 60.686 ± 0.740 $\chi^2/\text{NDF}: 5222.0/17$

Left Out: 44.040 ± 0.510 $\chi^2/\text{NDF}: 4563.8/24$

Right Out: 47.596 ± 0.584 $\chi^2/\text{NDF}: 7391.6/21$

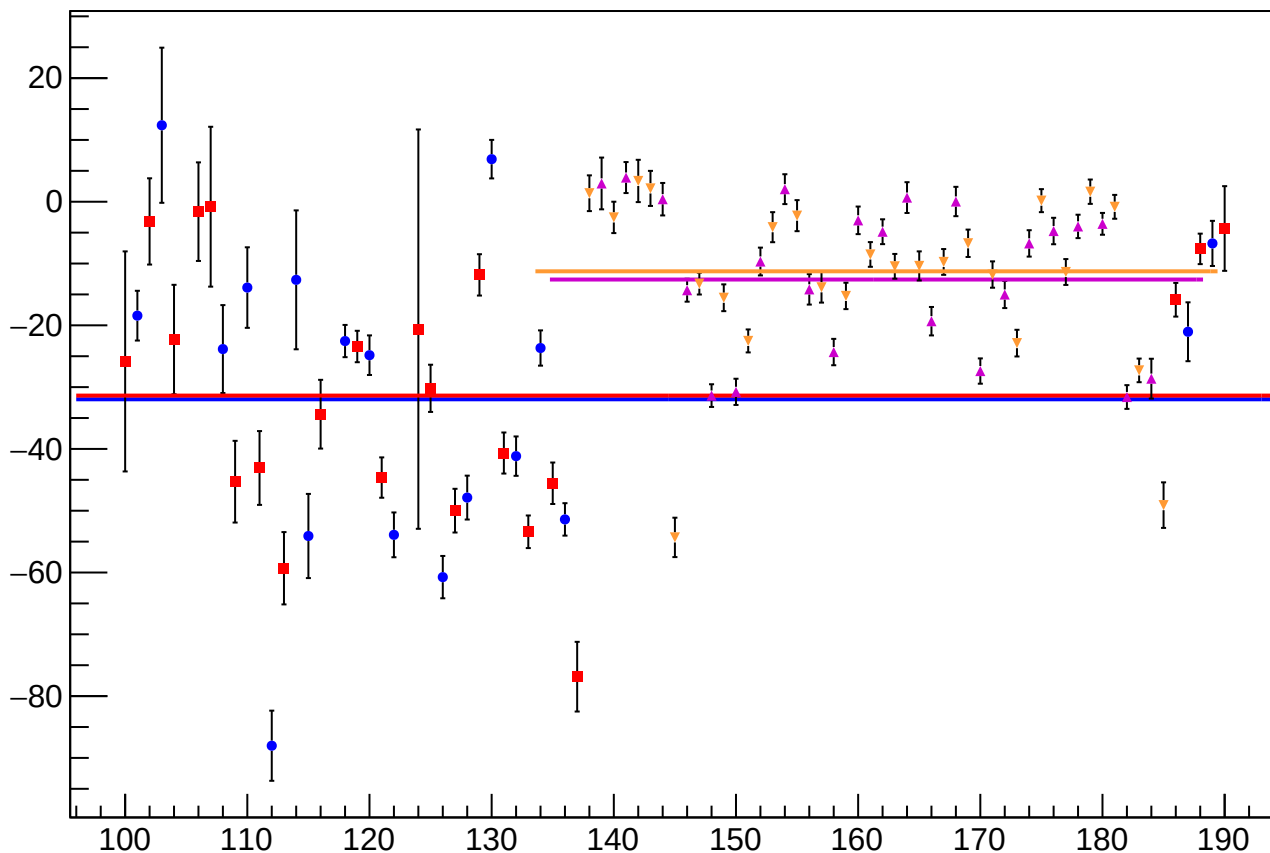
Left In: 48.076 ± 0.521 $\chi^2/\text{NDF}: 3376.5/22$

+ sign 49.397 ± 0.420 $\chi^2/\text{NDF}: 10128.8/42$

All: 48.572 ± 0.285 $\chi^2/\text{NDF}: 20904.4/87$

- sign 47.863 ± 0.389 $\chi^2/\text{NDF}: 10768.4/44$

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -31.969 ± 0.896 χ^2/NDF : 569.2/17

Left Out: -11.260 ± 0.445 χ^2/NDF : 643.3/24

Right Out: -31.370 ± 0.866 χ^2/NDF : 457.8/21

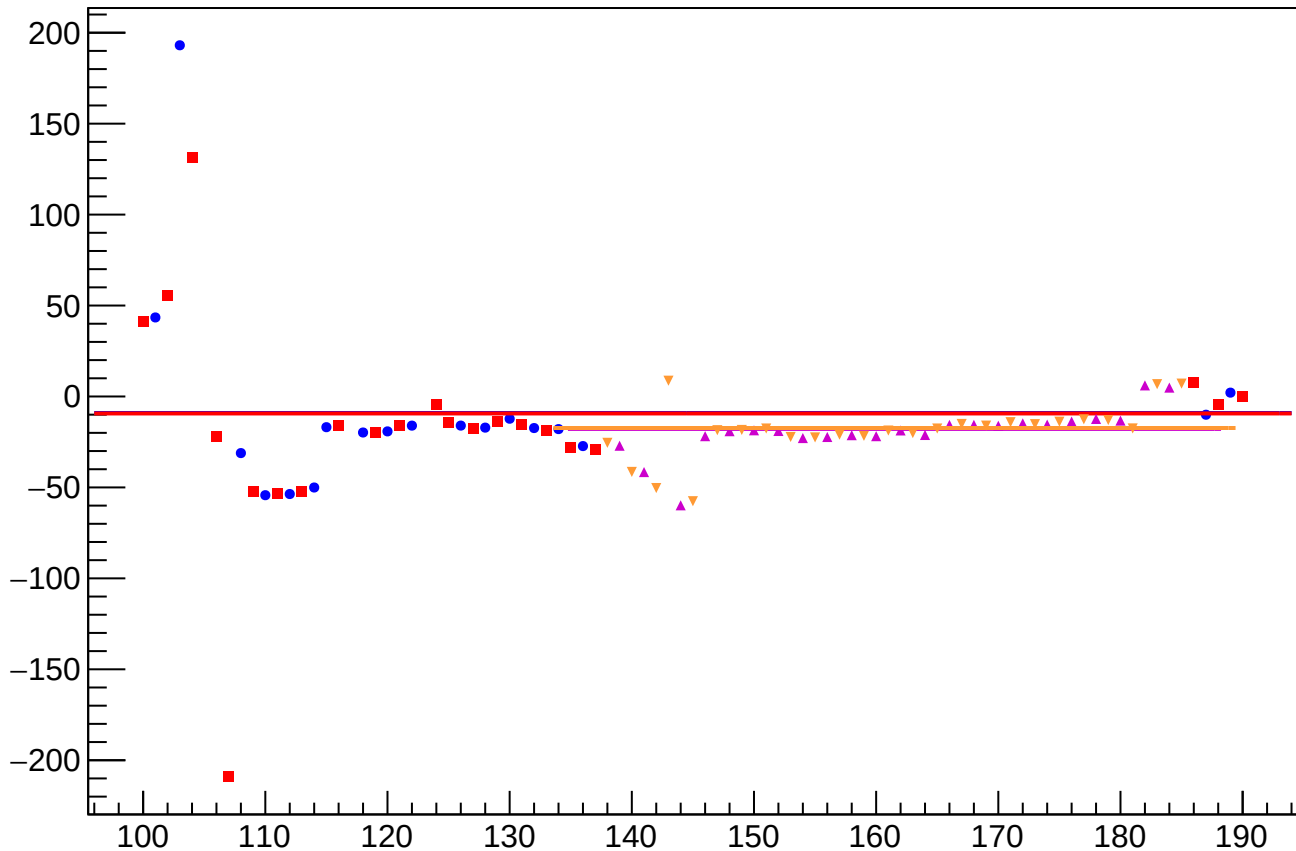
Left In: -12.589 ± 0.459 χ^2/NDF : 671.8/22

+ sign -15.356 ± 0.398 χ^2/NDF : 1641.0/42

All: -16.018 ± 0.284 χ^2/NDF : 3143.4/87

- sign -16.704 ± 0.405 χ^2/NDF : 1496.7/44

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -9.079 ± 0.053 χ^2/NDF : 527620.2/17

Left Out: -17.330 ± 0.020 χ^2/NDF : 347790.9/24

Right Out: -9.337 ± 0.052 χ^2/NDF : 464334.4/21

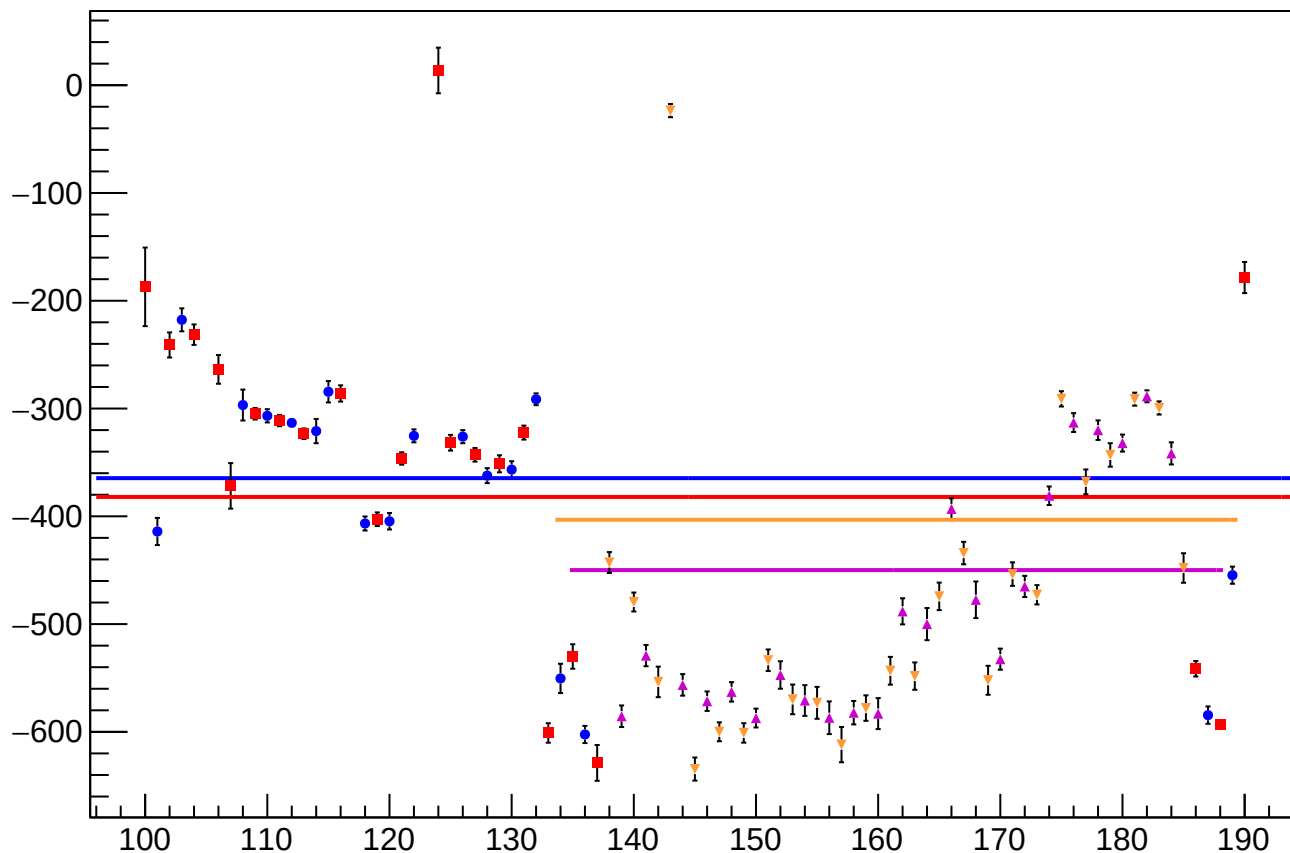
Left In: -17.829 ± 0.020 χ^2/NDF : 267426.0/22

+ sign -16.289 ± 0.019 χ^2/NDF : 896947.9/42

All: -16.502 ± 0.013 χ^2/NDF : 1651839.0/87

- sign -16.721 ± 0.019 χ^2/NDF : 754627.6/44

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -364.591 ± 1.737 χ^2/NDF : 2807.3/17

Left Out: -403.195 ± 1.928 χ^2/NDF : 7750.3/24

Right Out: -382.041 ± 1.578 χ^2/NDF : 5865.0/21

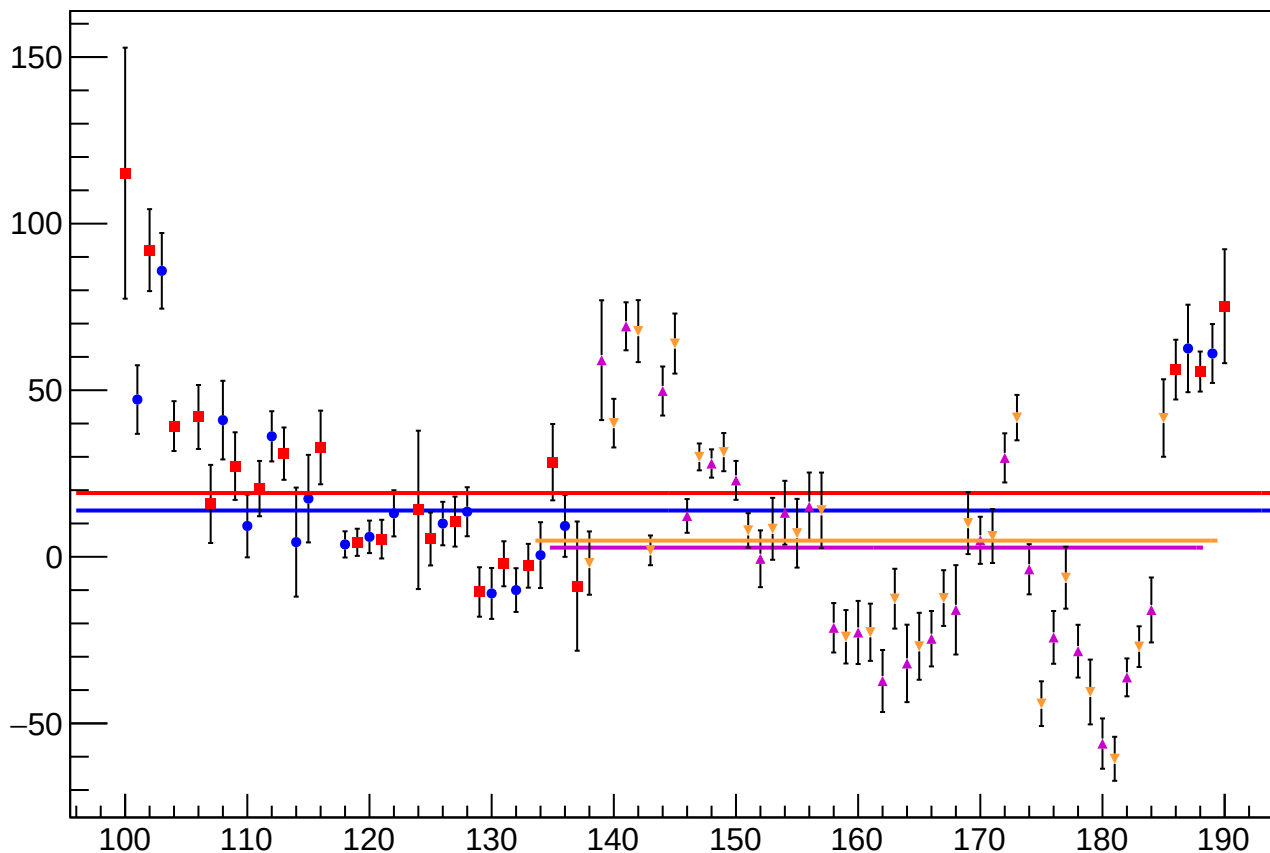
Left In: -449.912 ± 2.043 χ^2/NDF : 3218.9/22

+ sign -381.887 ± 1.290 χ^2/NDF : 10779.0/42

All: -395.061 ± 0.897 χ^2/NDF : 20755.8/87

- sign -407.408 ± 1.249 χ^2/NDF : 9774.9/44

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 13.894 ± 1.787 $\chi^2/\text{NDF}: 143.0/17$

Left Out: 4.858 ± 1.447 $\chi^2/\text{NDF}: 457.2/24$

Right Out: 19.143 ± 1.729 $\chi^2/\text{NDF}: 186.5/21$

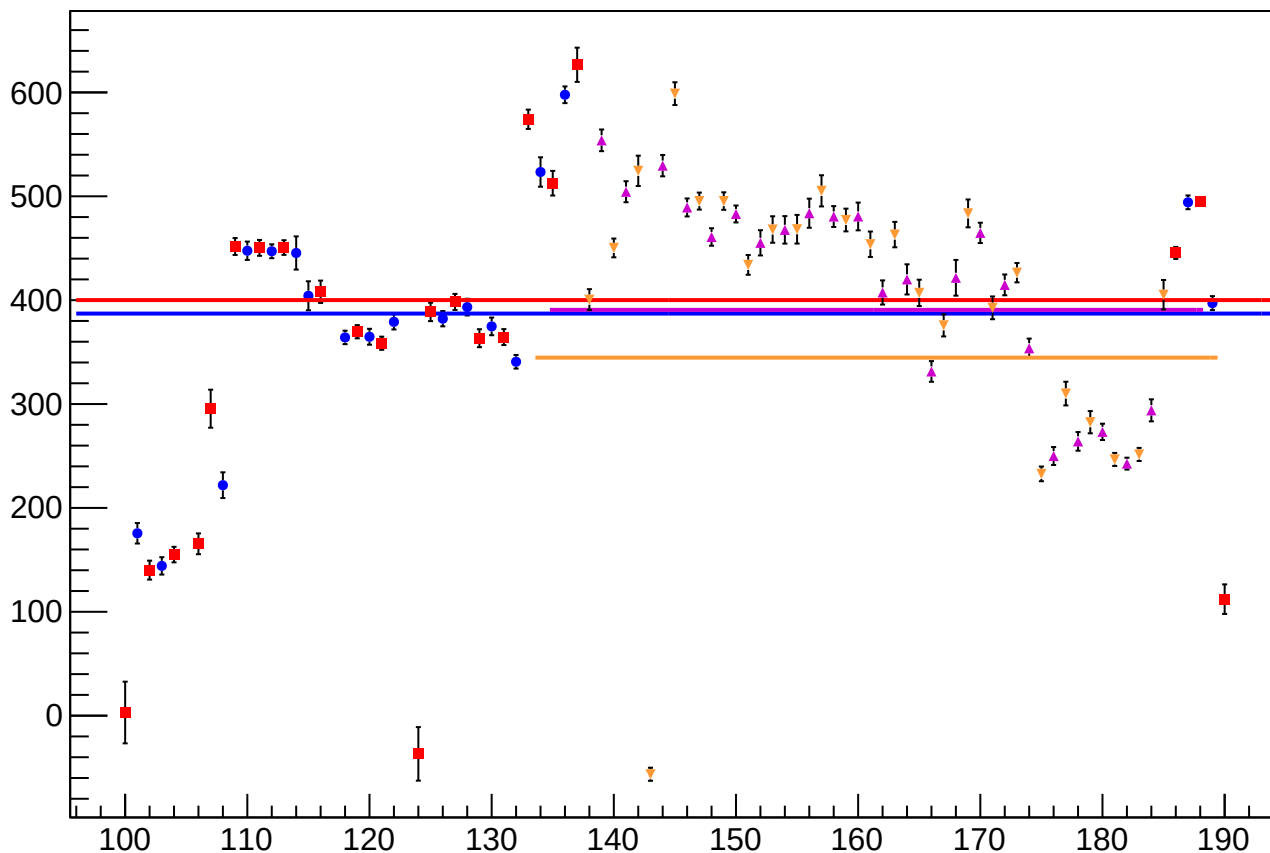
Left In: 2.756 ± 1.554 $\chi^2/\text{NDF}: 399.6/22$

+ sign 8.436 ± 1.125 $\chi^2/\text{NDF}: 615.7/42$

All: 9.234 ± 0.806 $\chi^2/\text{NDF}: 1252.5/87$

- sign 10.078 ± 1.156 $\chi^2/\text{NDF}: 635.8/44$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 387.097 ± 1.921 $\chi^2/\text{NDF}: 2744.5/17$

Left Out: 344.680 ± 1.924 $\chi^2/\text{NDF}: 7278.2/24$

Right Out: 400.079 ± 1.674 $\chi^2/\text{NDF}: 5034.0/21$

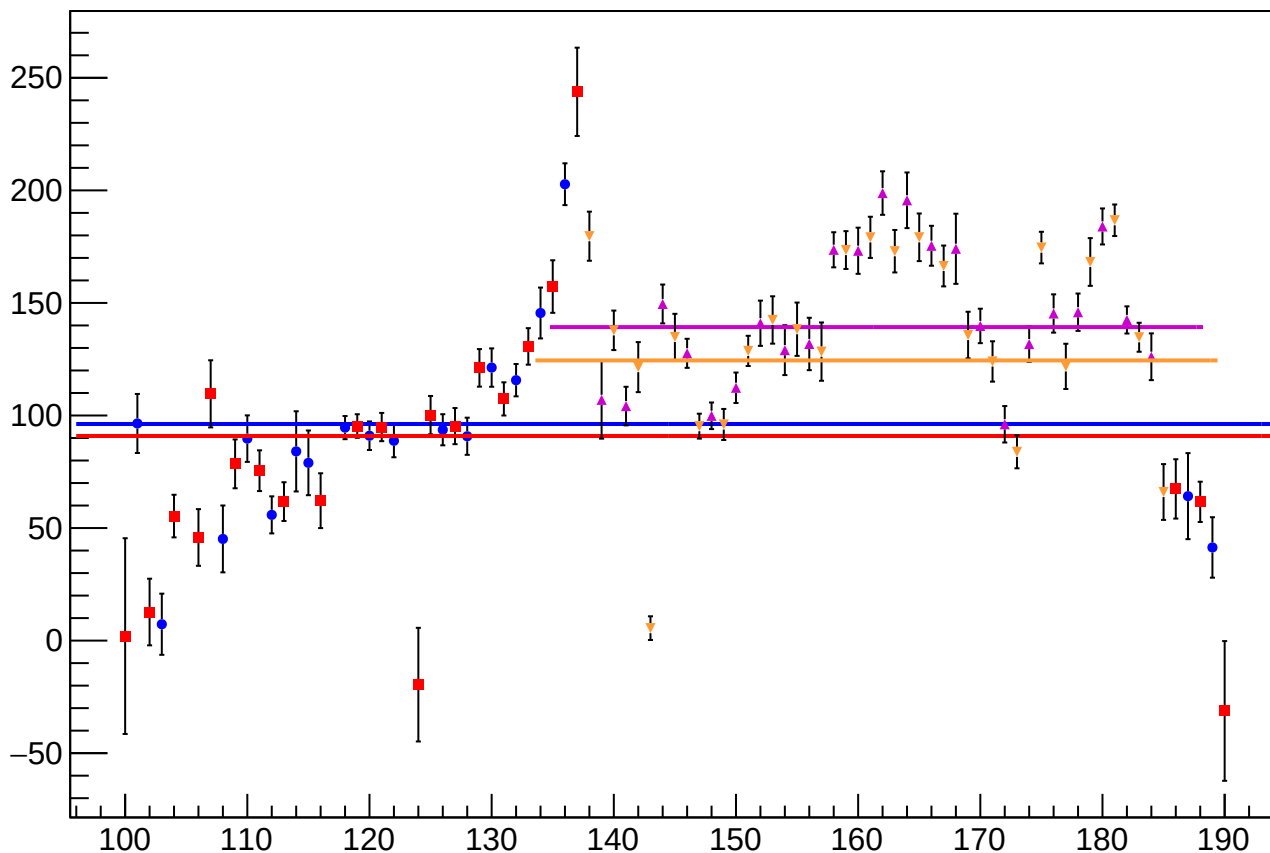
Left In: 390.672 ± 2.029 $\chi^2/\text{NDF}: 2672.8/22$

+ sign 365.925 ± 1.359 $\chi^2/\text{NDF}: 10266.1/42$

All: 381.876 ± 0.936 $\chi^2/\text{NDF}: 18247.6/87$

- sign 396.270 ± 1.291 $\chi^2/\text{NDF}: 7719.6/44$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 96.219 $\pm$ 2.104 χ^2 /NDF: 269.7/17

Left Out: 124.466 $\pm$ 1.662 χ^2 /NDF: 937.6/24

Right Out: 90.900 $\pm$ 2.050 χ^2 /NDF: 268.3/21

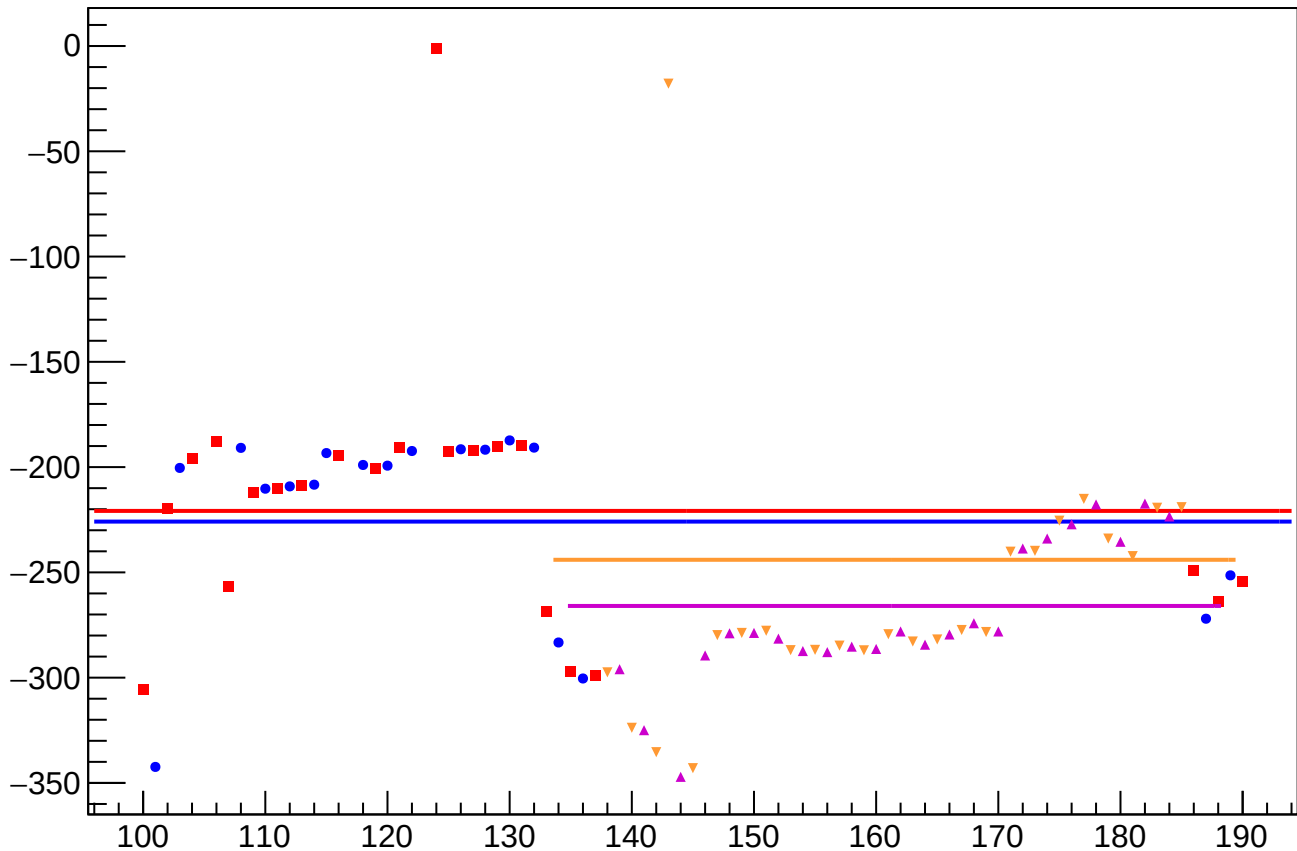
Left In: 139.274 $\pm$ 1.769 χ^2 /NDF: 260.9/22

+ sign 113.617 $\pm$ 1.304 χ^2 /NDF: 1318.2/42

All: 116.053 $\pm$ 0.934 χ^2 /NDF: 2173.7/87

- sign 118.621 $\pm$ 1.339 χ^2 /NDF: 848.3/44

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -225.879+/-0.134 χ^2/NDF : 125587.0/17

Left Out: -244.021+/-0.077 χ^2/NDF : 997959.6/24

Right Out: -220.807+/-0.127 χ^2/NDF : 94125.2/21

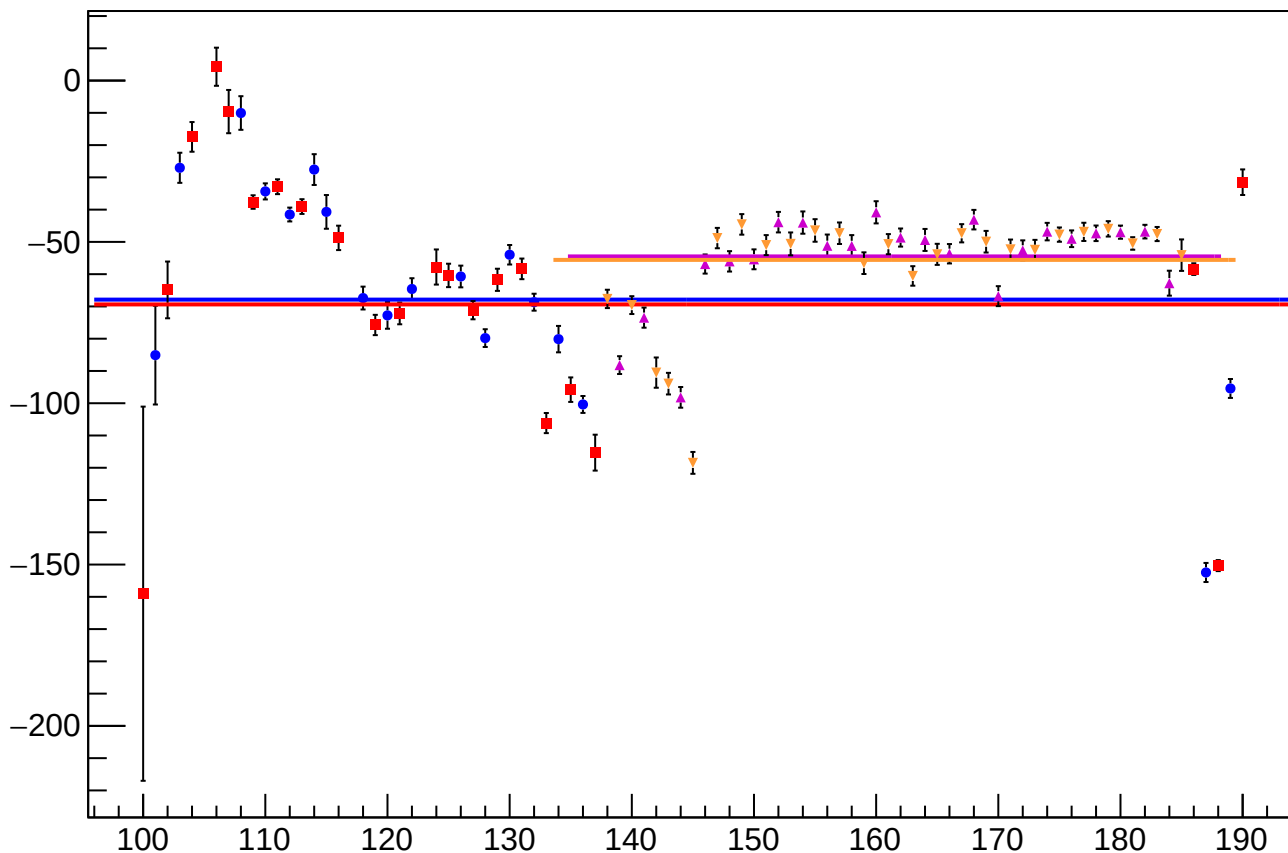
Left In: -265.945+/-0.081 χ^2/NDF : 169943.2/22

+ sign -239.463+/-0.067 χ^2/NDF : 1137373.2/42

All: -246.099+/-0.048 χ^2/NDF : 1512019.4/87

- sign -252.936+/-0.068 χ^2/NDF : 354678.4/44

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -67.887 ± 0.770 $\chi^2/\text{NDF}: 1747.8/17$

Left Out: -55.575 ± 0.590 $\chi^2/\text{NDF}: 686.5/24$

Right Out: -69.378 ± 0.657 $\chi^2/\text{NDF}: 3711.8/21$

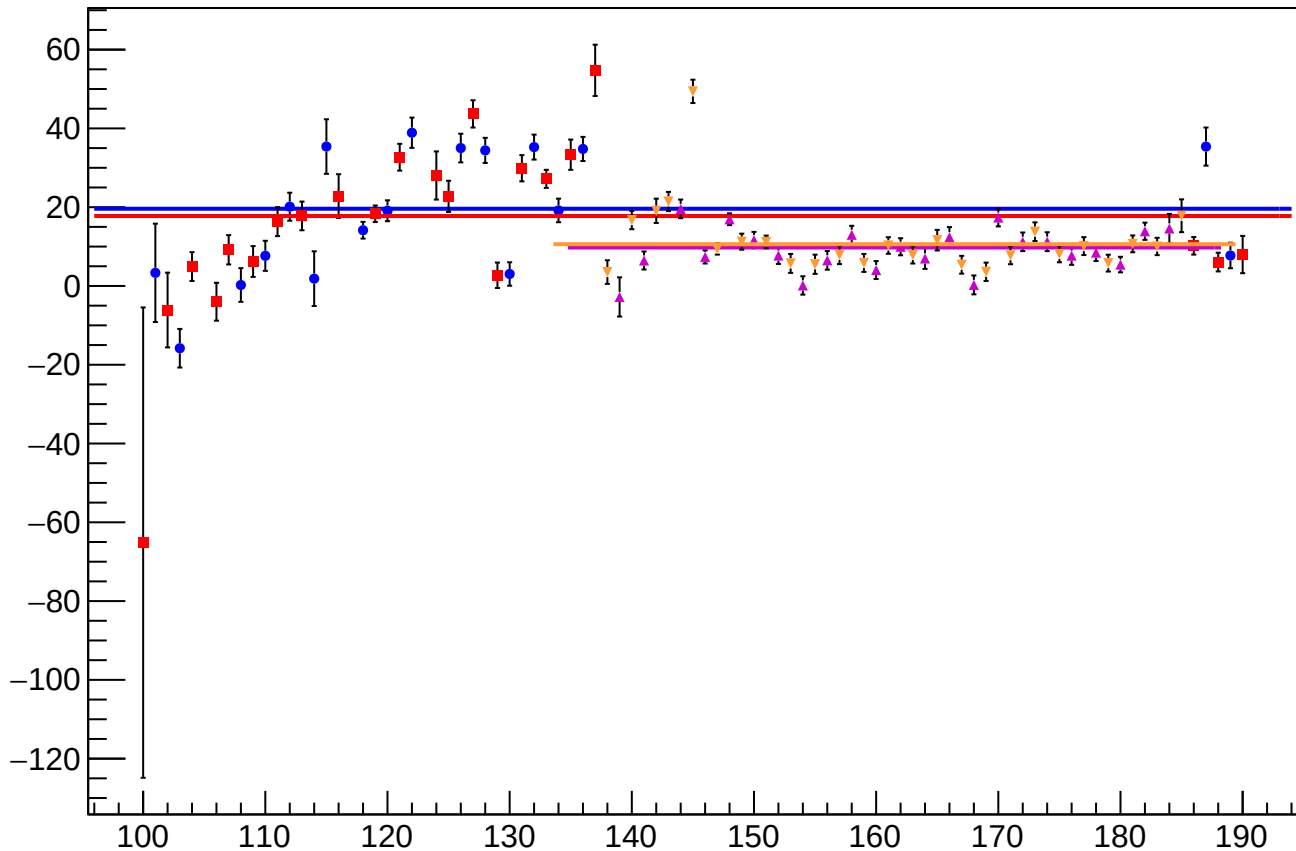
Left In: -54.499 ± 0.606 $\chi^2/\text{NDF}: 500.4/22$

+ sign -60.127 ± 0.468 $\chi^2/\text{NDF}: 2595.2/42$

All: -60.765 ± 0.323 $\chi^2/\text{NDF}: 7088.0/87$

- sign -61.342 ± 0.446 $\chi^2/\text{NDF}: 4489.3/44$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 19.602 $\pm$ 0.826 χ^2 /NDF: 271.4/17

Left Out: 10.603 $\pm$ 0.449 χ^2 /NDF: 255.2/24

Right Out: 17.765 $\pm$ 0.740 χ^2 /NDF: 276.6/21

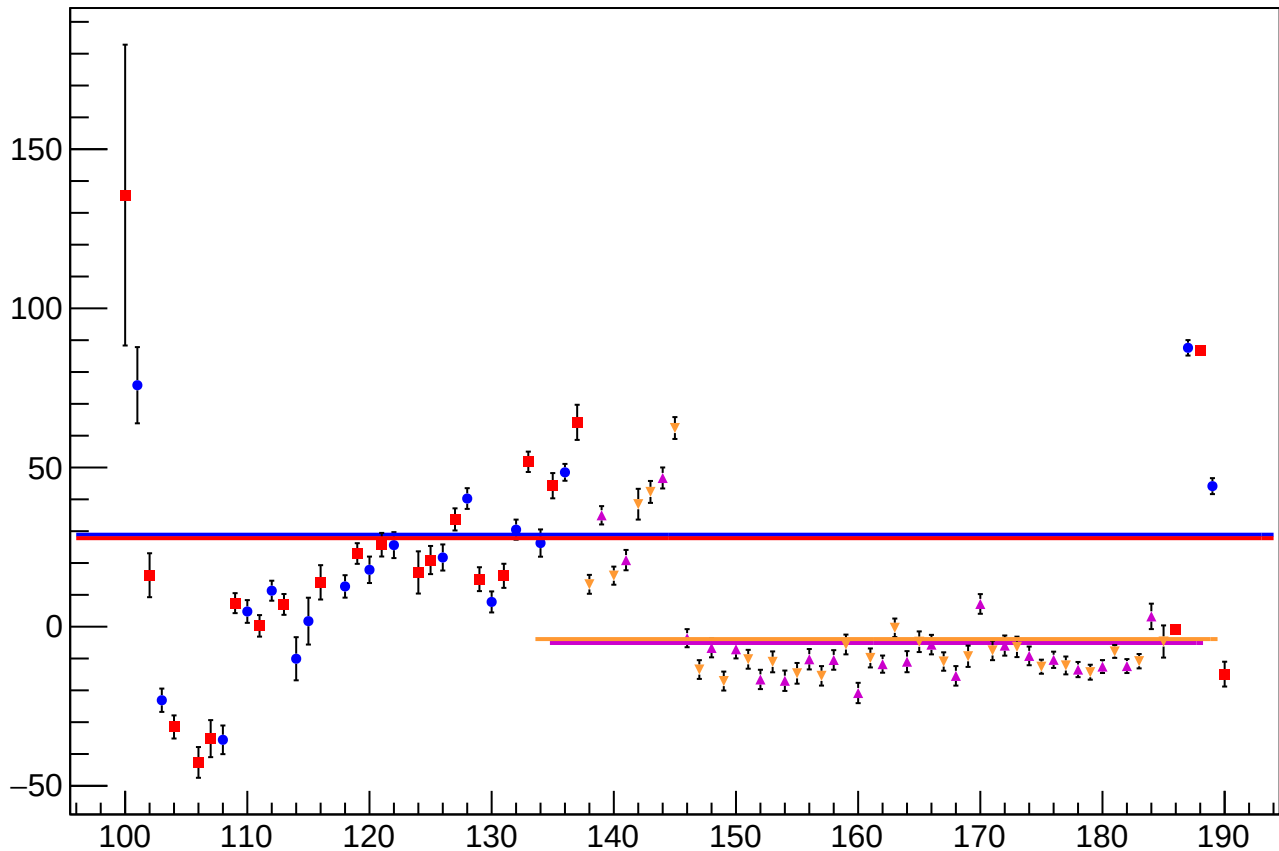
Left In: 9.765 $\pm$ 0.467 χ^2 /NDF: 121.0/22

+ sign 12.660 $\pm$ 0.395 χ^2 /NDF: 618.2/42

All: 12.353 $\pm$ 0.279 χ^2 /NDF: 1100.7/87

- sign 12.045 $\pm$ 0.395 χ^2 /NDF: 481.2/44

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 28.894 $\pm$ 0.839 χ^2 /NDF: 1307.2/17

Left Out: -3.895 $\pm$ 0.585 χ^2 /NDF: 850.2/24

Right Out: 27.794 $\pm$ 0.671 χ^2 /NDF: 3253.4/21

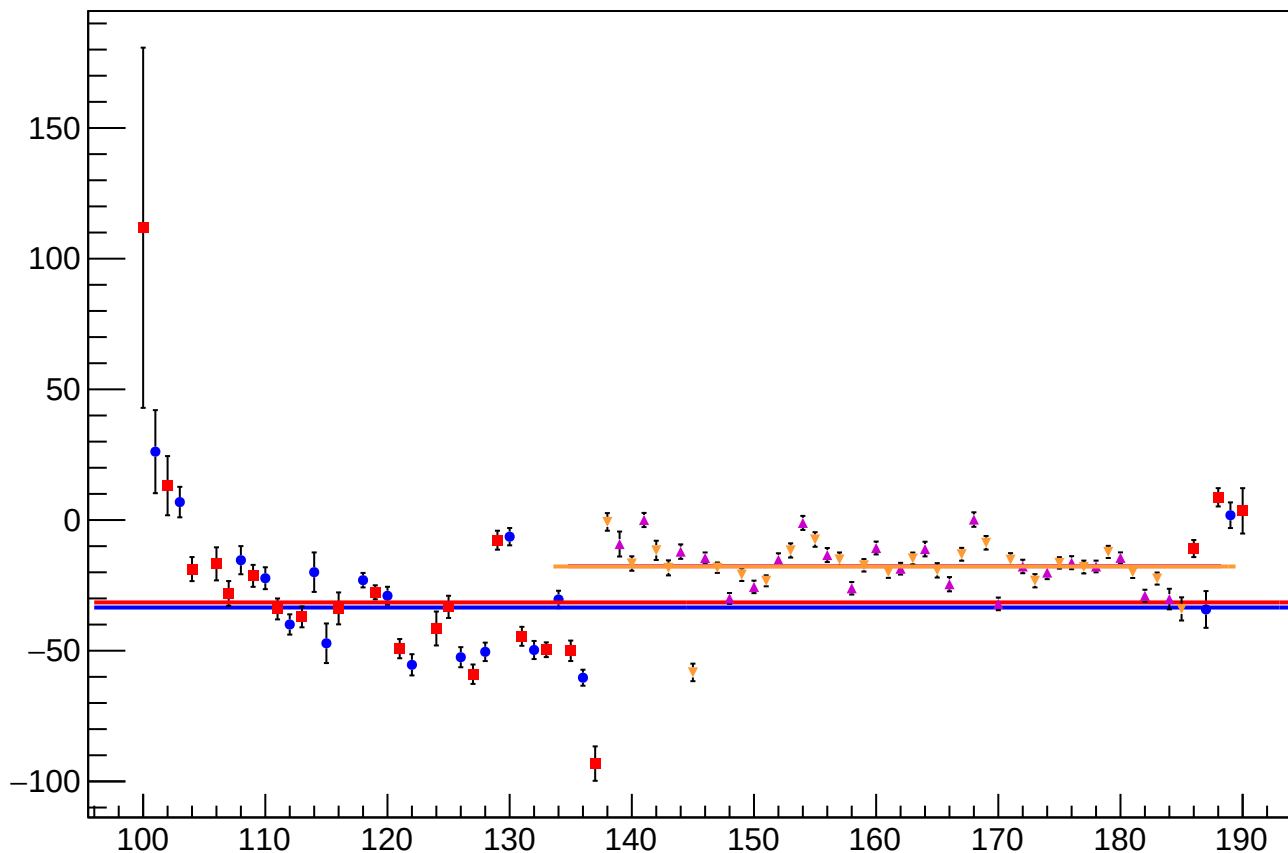
Left In: -5.124 $\pm$ 0.600 χ^2 /NDF: 649.7/22

+ sign 6.835 $\pm$ 0.480 χ^2 /NDF: 3185.2/42

All: 8.255 $\pm$ 0.327 χ^2 /NDF: 8442.6/87

- sign 9.488 $\pm$ 0.447 χ^2 /NDF: 5241.0/44

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.476 ± 0.962 χ^2/NDF : 400.5/17

Left Out: -17.776 ± 0.509 χ^2/NDF : 251.6/24

Right Out: -31.519 ± 0.894 χ^2/NDF : 519.7/21

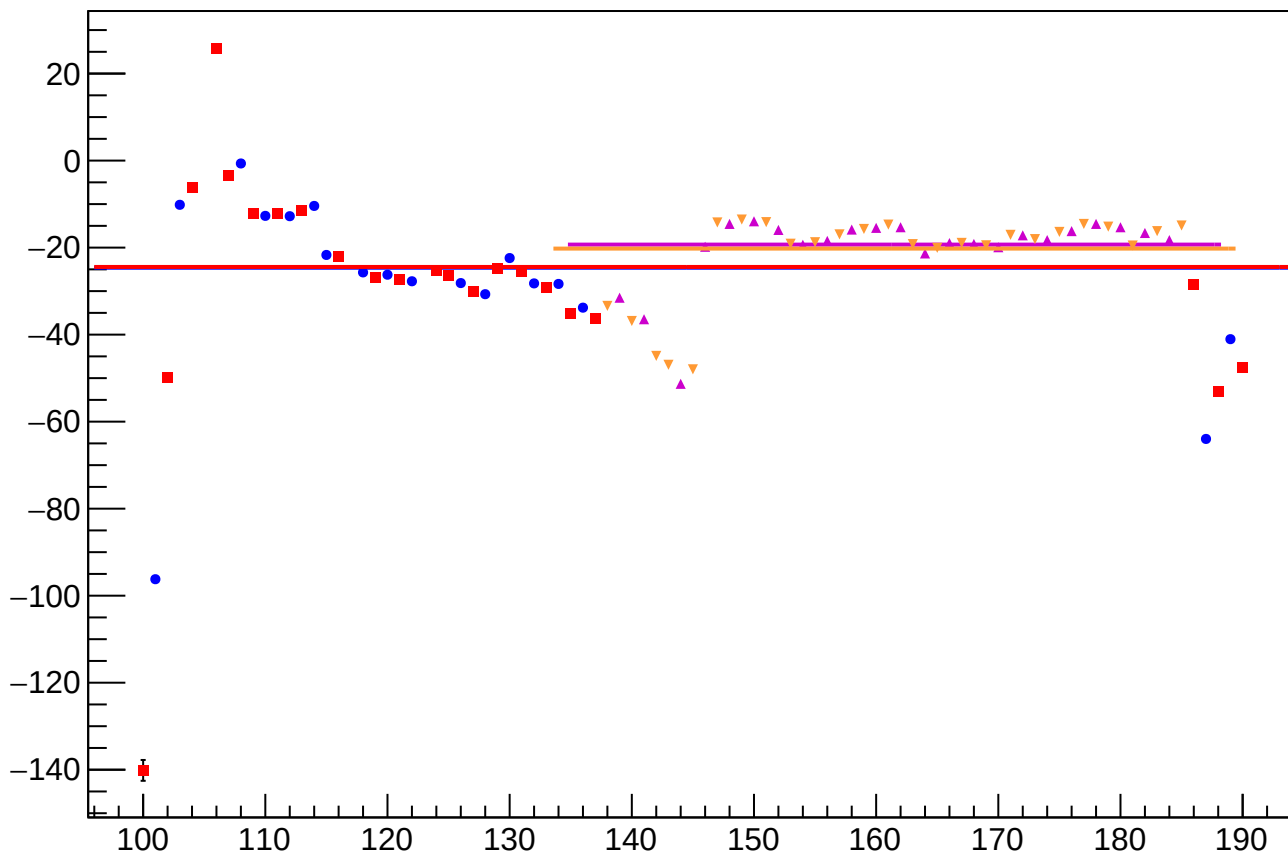
Left In: -17.643 ± 0.526 χ^2/NDF : 285.9/22

+ sign -21.210 ± 0.450 χ^2/NDF : 860.3/42

All: -21.212 ± 0.319 χ^2/NDF : 1845.0/87

- sign -21.214 ± 0.453 χ^2/NDF : 984.7/44

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -24.618 ± 0.055 χ^2/NDF : 64791.4/17

Left Out: -20.227 ± 0.023 χ^2/NDF : 147352.7/24

Right Out: -24.446 ± 0.054 χ^2/NDF : 126322.4/21

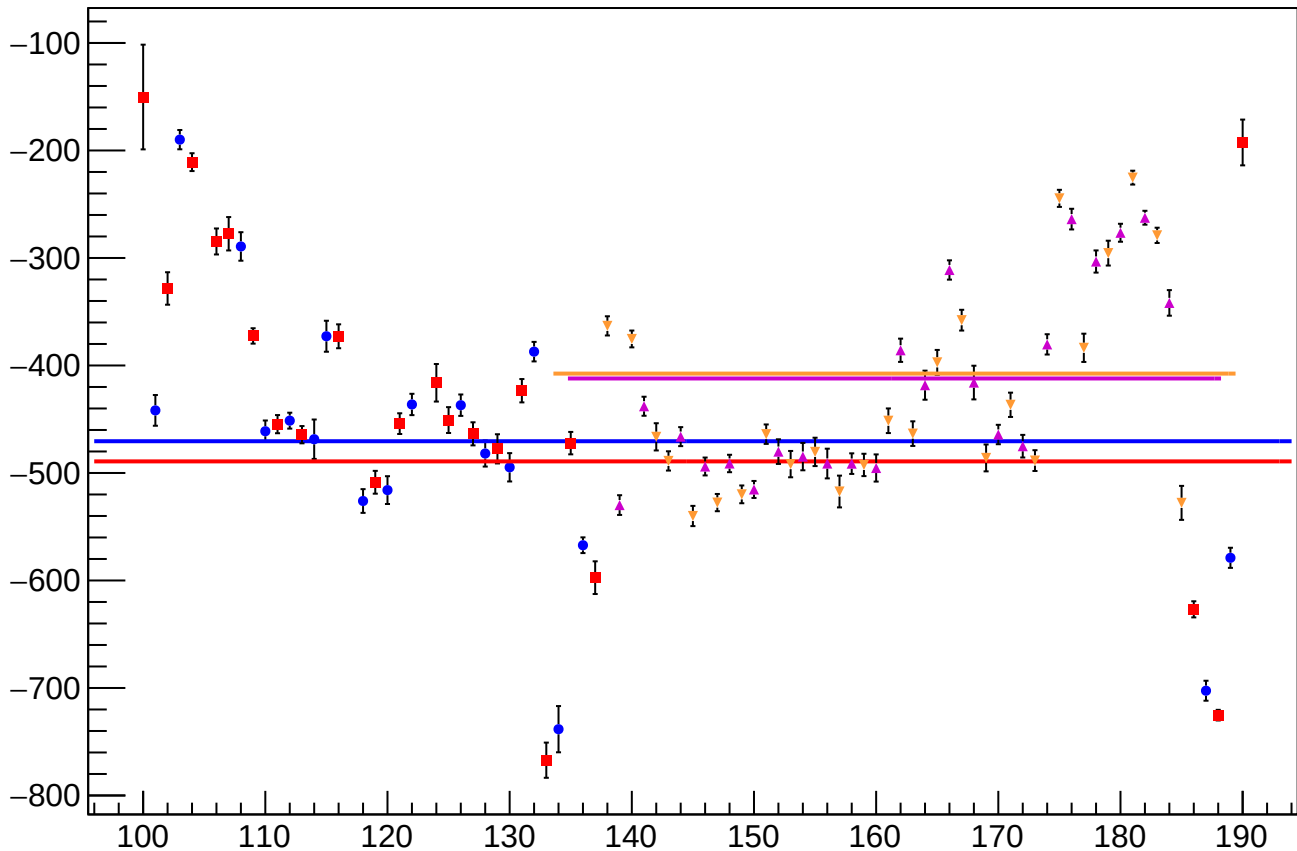
Left In: -19.310 ± 0.023 χ^2/NDF : 93090.9/22

+ sign -20.864 ± 0.021 χ^2/NDF : 217497.4/42

All: -20.498 ± 0.015 χ^2/NDF : 445257.8/87

- sign -20.126 ± 0.021 χ^2/NDF : 227156.6/44

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -470.462 ± 2.484 $\chi^2/\text{NDF}: 2459.6/17$

Left Out: -407.554 ± 1.951 $\chi^2/\text{NDF}: 2872.6/24$

Right Out: -489.223 ± 2.141 $\chi^2/\text{NDF}: 5404.9/21$

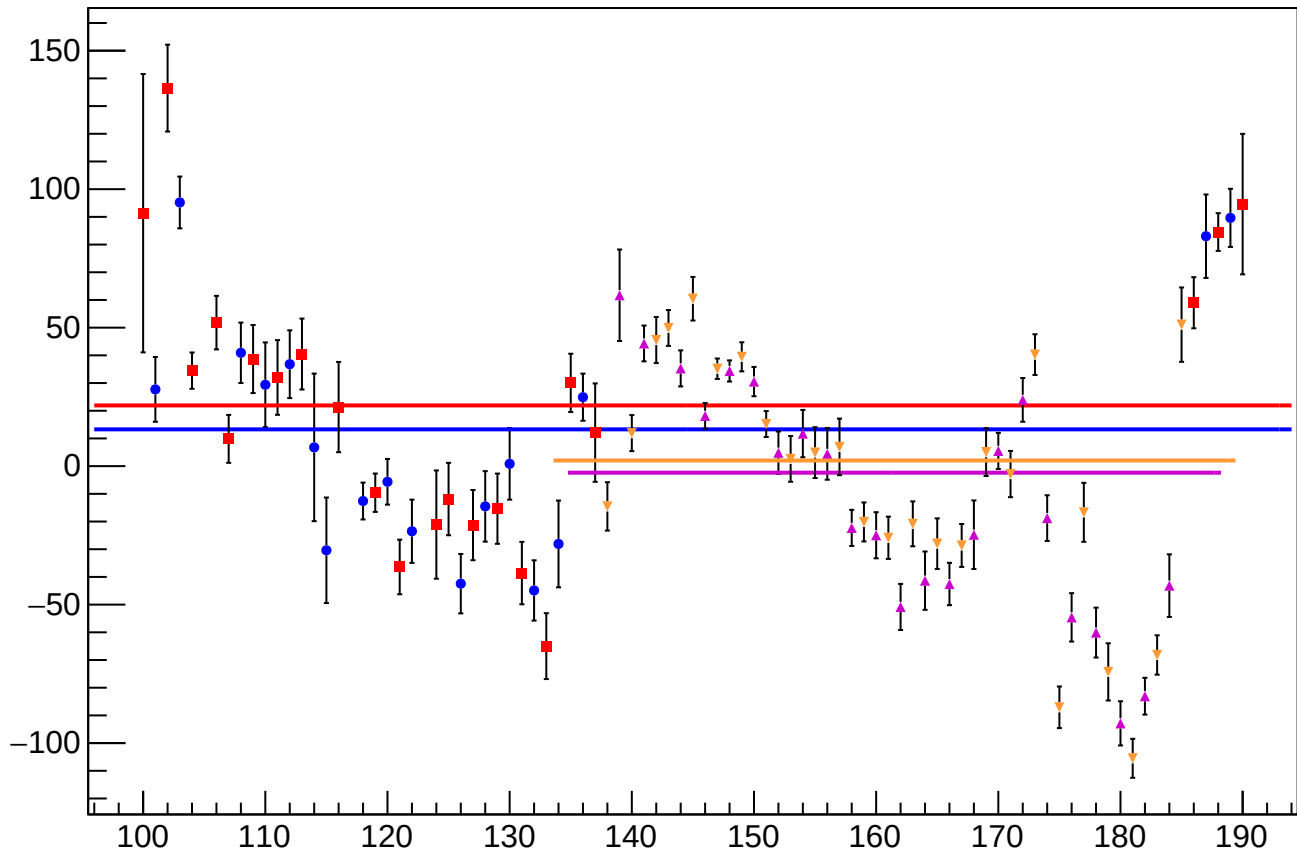
Left In: -412.102 ± 2.008 $\chi^2/\text{NDF}: 2182.3/22$

+ sign -431.558 ± 1.534 $\chi^2/\text{NDF}: 5728.8/42$

All: -440.262 ± 1.059 $\chi^2/\text{NDF}: 14067.8/87$

- sign -448.197 ± 1.465 $\chi^2/\text{NDF}: 8277.4/44$

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 13.277 ± 2.601 $\chi^2/\text{NDF}: 270.0/17$

Left Out: 2.035 ± 1.426 $\chi^2/\text{NDF}: 910.7/24$

Right Out: 21.915 ± 2.307 $\chi^2/\text{NDF}: 354.2/21$

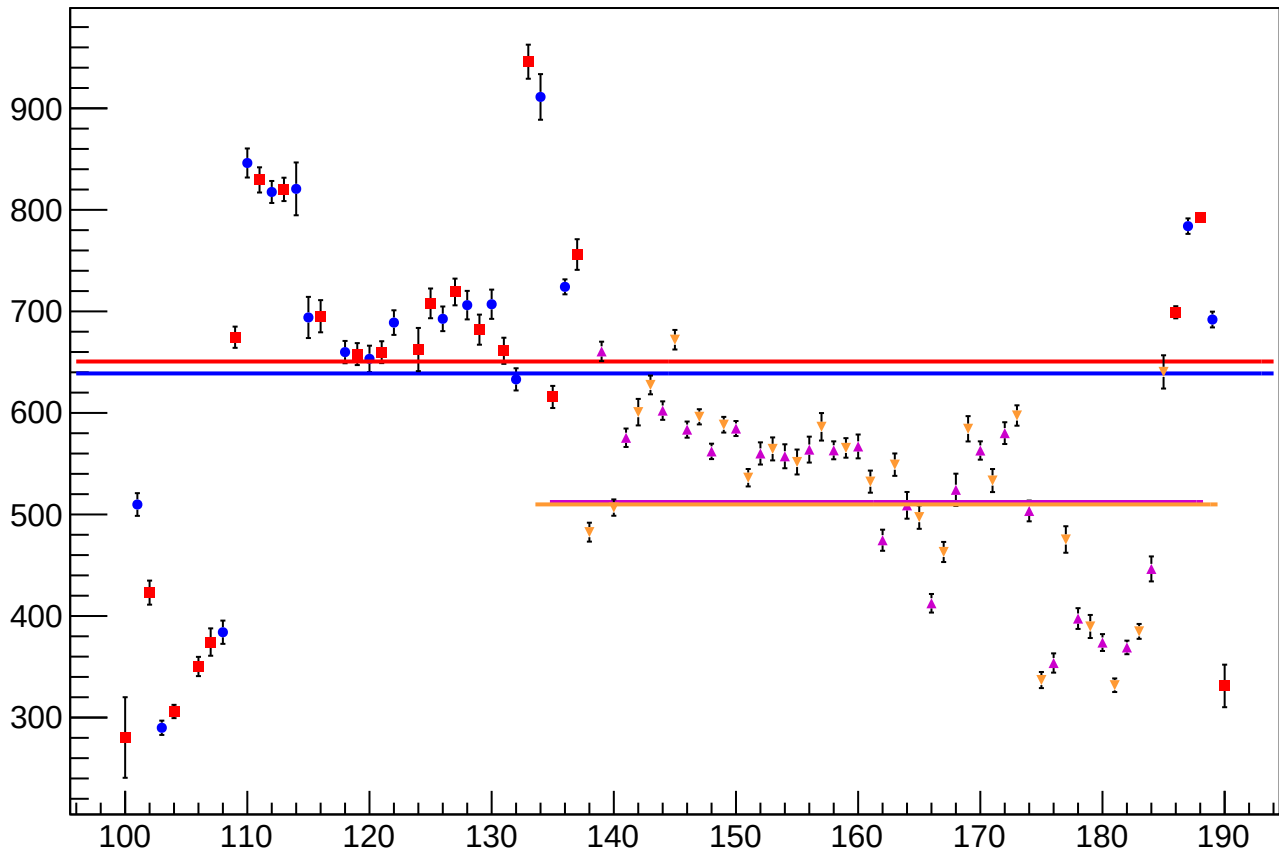
Left In: -2.365 ± 1.482 $\chi^2/\text{NDF}: 733.4/22$

+ sign 4.634 ± 1.250 $\chi^2/\text{NDF}: 1195.1/42$

All: 4.681 ± 0.883 $\chi^2/\text{NDF}: 2361.1/87$

- sign 4.729 ± 1.247 $\chi^2/\text{NDF}: 1166.0/44$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 638.894 ± 2.554 $\chi^2/\text{NDF}: 4396.3/17$

Left Out: 509.912 ± 1.936 $\chi^2/\text{NDF}: 2662.6/24$

Right Out: 650.647 ± 2.105 $\chi^2/\text{NDF}: 7095.0/21$

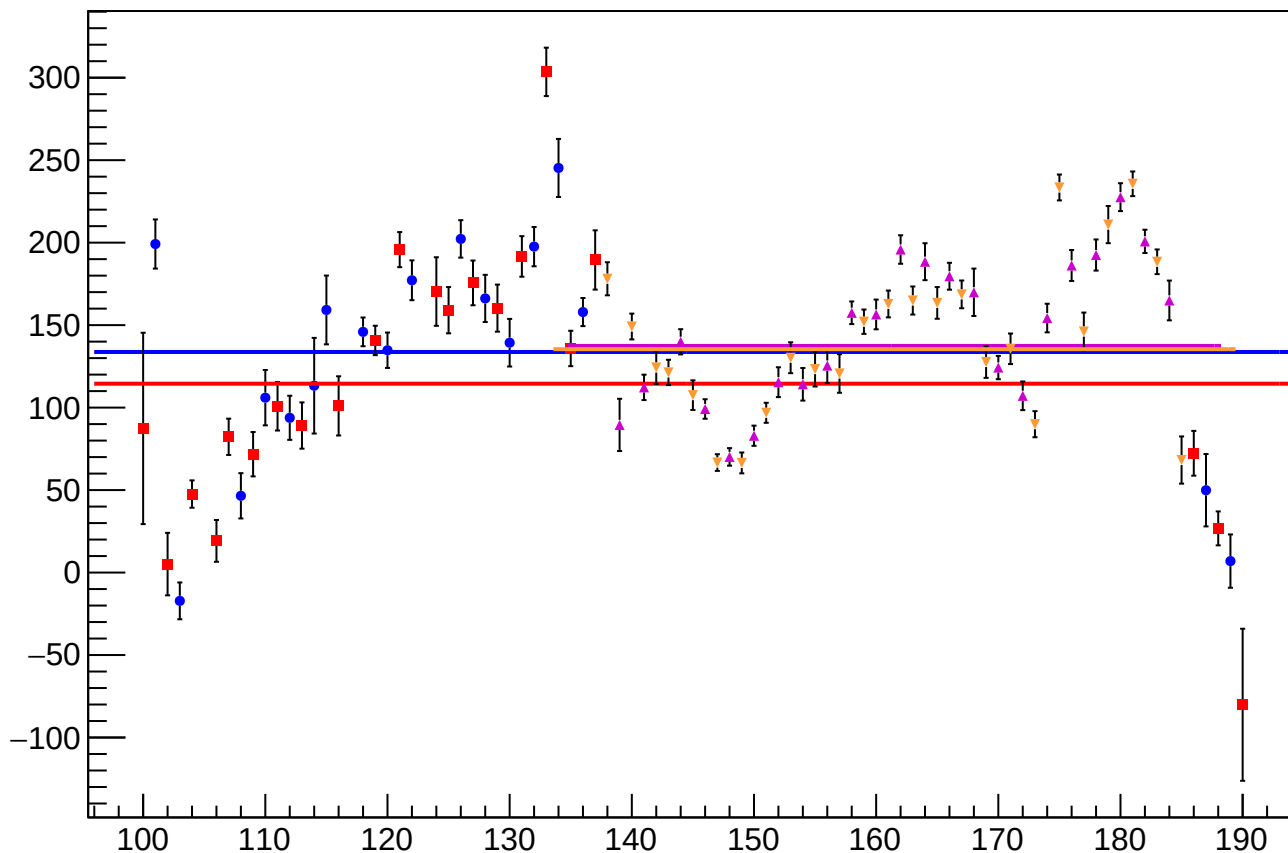
Left In: 512.270 ± 1.984 $\chi^2/\text{NDF}: 2087.6/22$

+ sign 556.971 ± 1.543 $\chi^2/\text{NDF}: 8678.9/42$

All: 567.842 ± 1.054 $\chi^2/\text{NDF}: 20243.4/87$

- sign 577.363 ± 1.444 $\chi^2/\text{NDF}: 11471.3/44$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 133.729 $\pm$ 3.063 χ^2 /NDF: 465.8/17

Left Out: 135.407 $\pm$ 1.649 χ^2 /NDF: 923.2/24

Right Out: 114.492 $\pm$ 2.794 χ^2 /NDF: 620.5/21

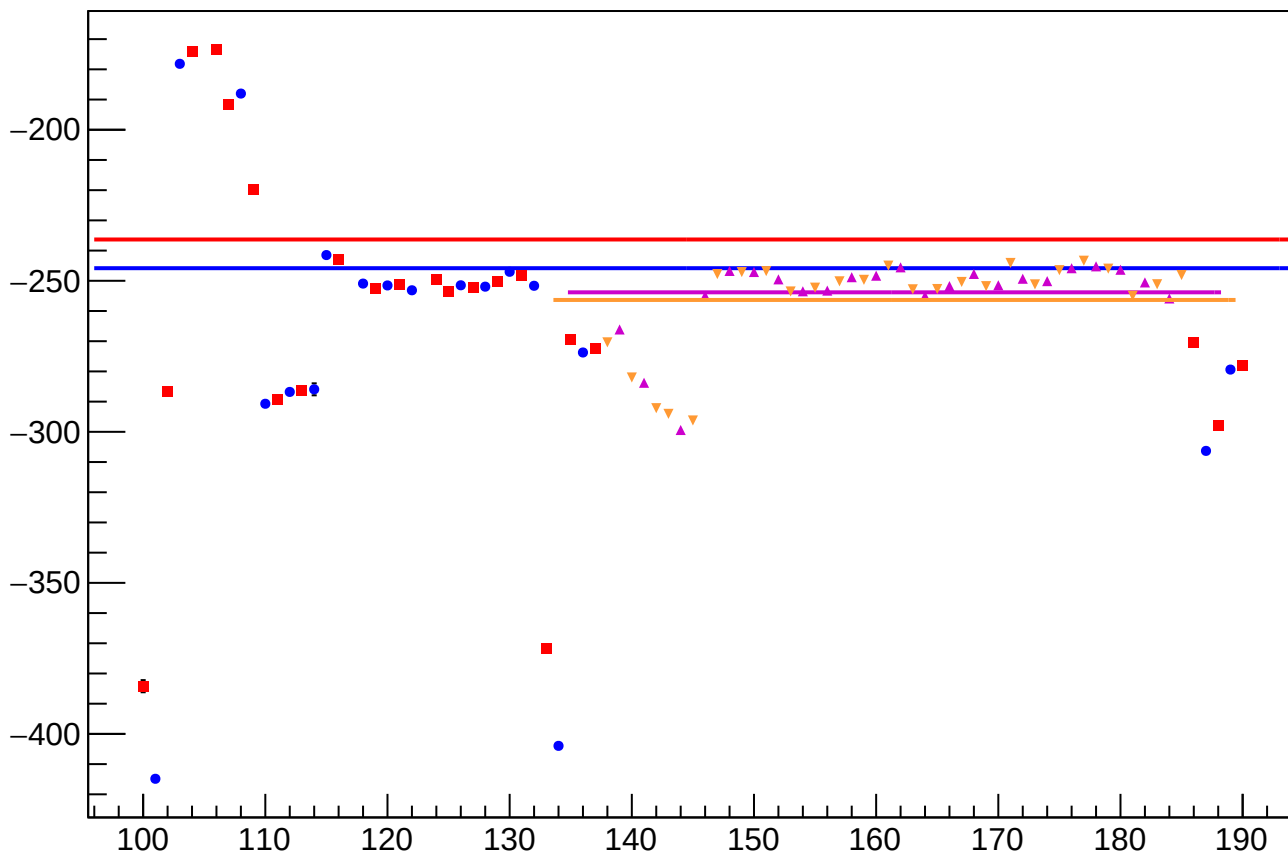
Left In: 137.374 $\pm$ 1.702 χ^2 /NDF: 706.0/22

+ sign 135.030 $\pm$ 1.452 χ^2 /NDF: 1389.2/42

All: 133.108 $\pm$ 1.027 χ^2 /NDF: 2768.1/87

- sign 131.181 $\pm$ 1.454 χ^2 /NDF: 1375.4/44

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -245.828+/-0.158 χ^2/NDF : 178012.7/17

Left Out: -256.344+/-0.077 χ^2/NDF : 39513.4/24

Right Out: -236.326+/-0.149 χ^2/NDF : 118159.0/21

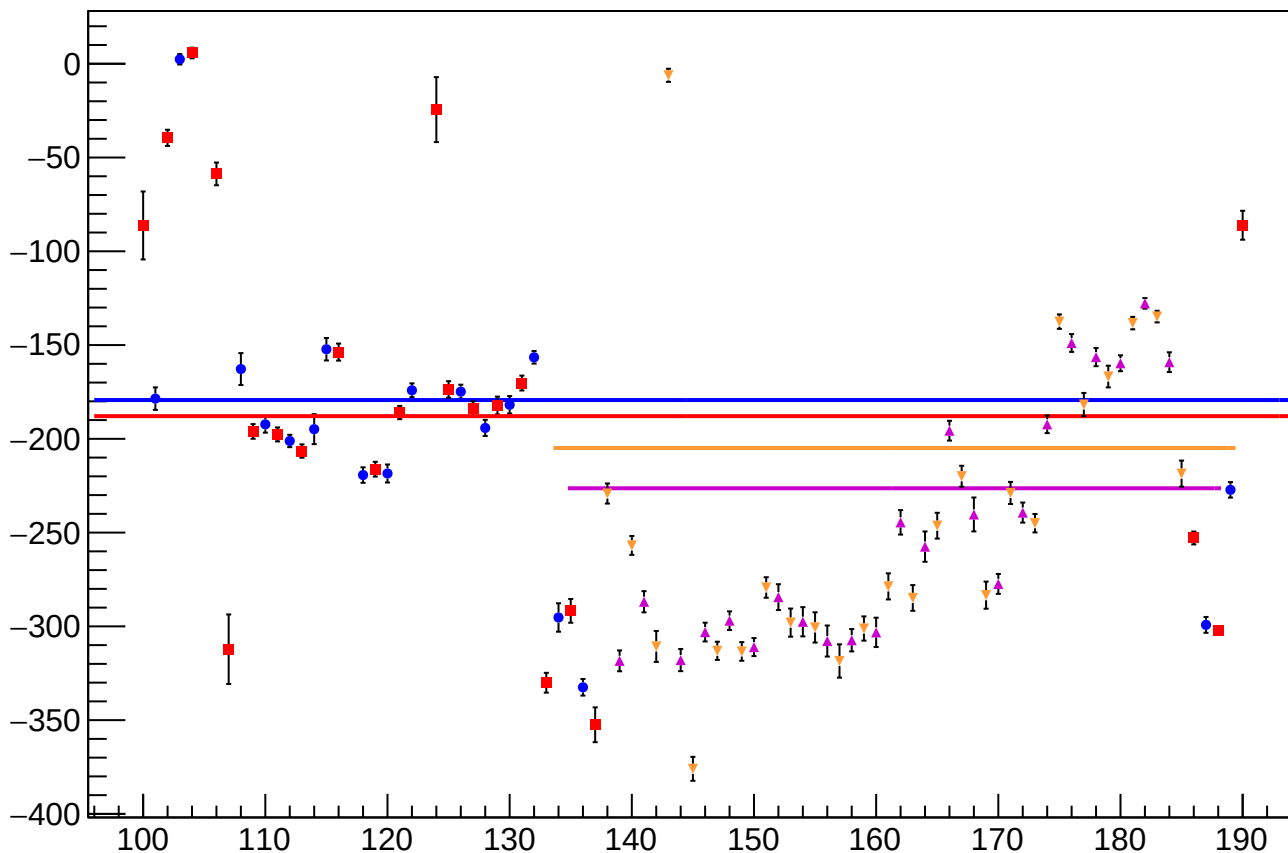
Left In: -253.817+/-0.078 χ^2/NDF : 24076.7/22

+ sign -254.321+/-0.069 χ^2/NDF : 221114.2/42

All: -252.187+/-0.049 χ^2/NDF : 376074.5/87

- sign -250.067+/-0.069 χ^2/NDF : 153064.8/44

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -179.321 ± 1.011 χ^2/NDF : 6953.4/17

Left Out: -204.891 ± 1.052 χ^2/NDF : 7826.3/24

Right Out: -187.904 ± 0.906 χ^2/NDF : 11005.5/21

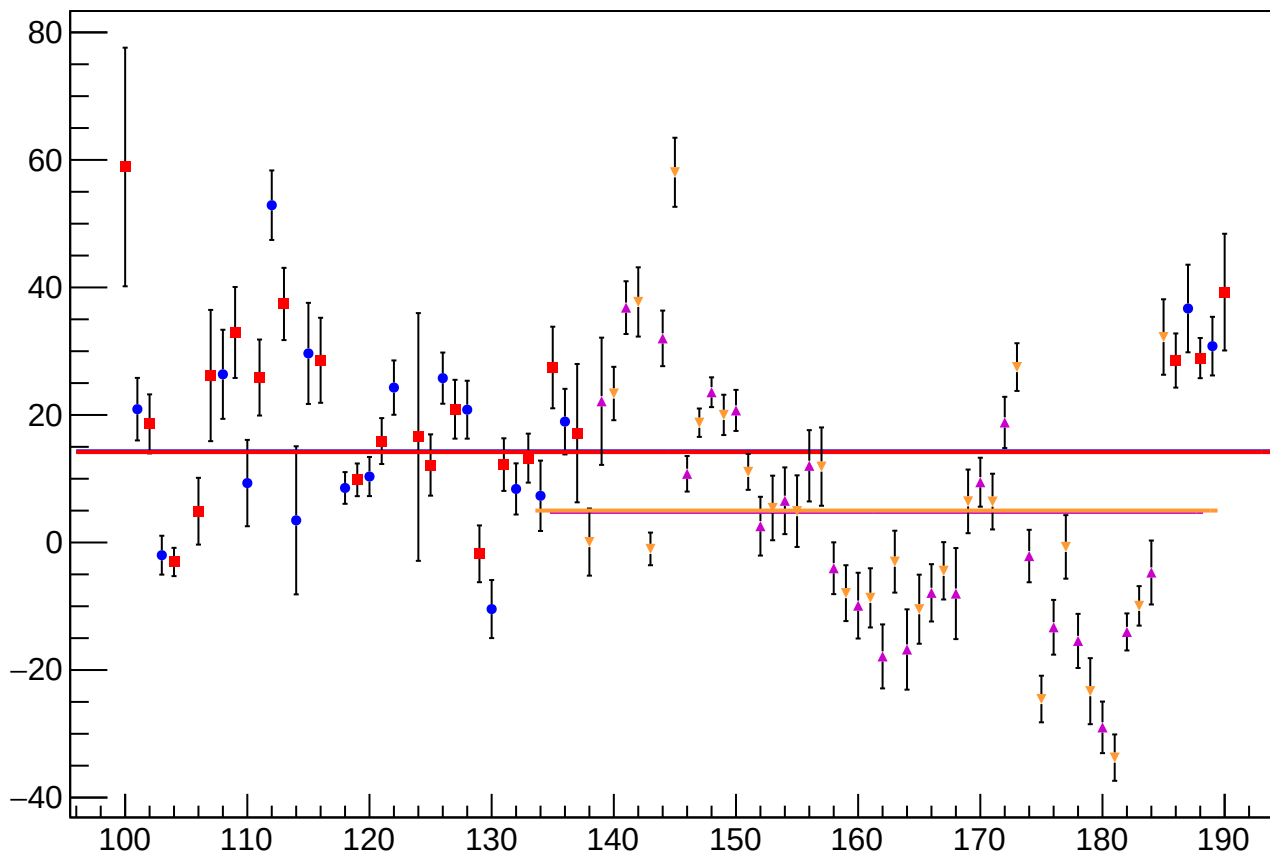
Left In: -226.365 ± 1.105 χ^2/NDF : 4219.0/22

+ sign -191.596 ± 0.729 χ^2/NDF : 15086.9/42

All: -197.716 ± 0.505 χ^2/NDF : 31171.4/87

- sign -203.374 ± 0.701 χ^2/NDF : 15948.8/44

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 14.296 $\pm$ 1.036 χ^2 /NDF: 169.0/17

Left Out: 5.006 $\pm$ 0.793 χ^2 /NDF: 548.5/24

Right Out: 14.178 $\pm$ 0.953 χ^2 /NDF: 167.5/21

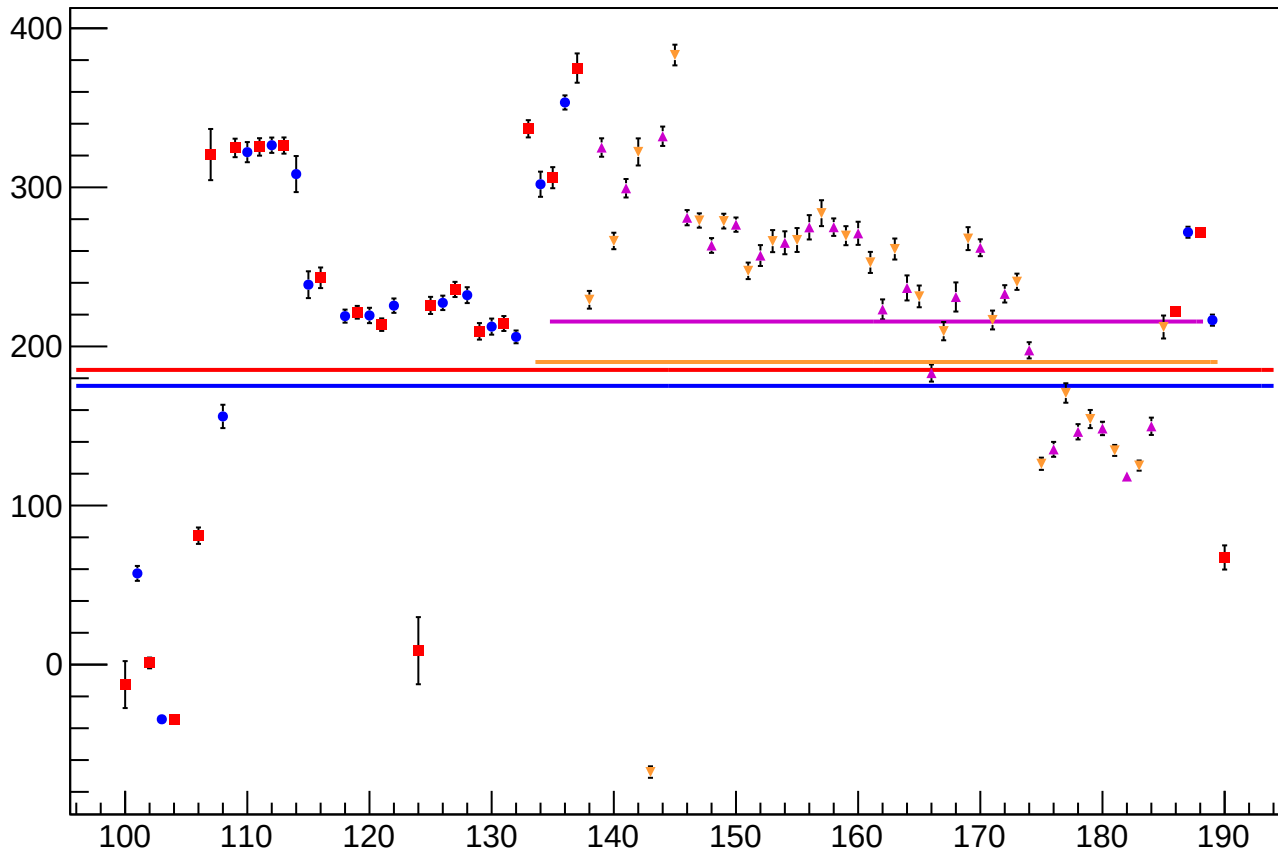
Left In: 4.799 $\pm$ 0.846 χ^2 /NDF: 426.3/22

+ sign 8.440 $\pm$ 0.630 χ^2 /NDF: 768.2/42

All: 8.686 $\pm$ 0.446 χ^2 /NDF: 1416.5/87

- sign 8.934 $\pm$ 0.633 χ^2 /NDF: 647.9/44

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 175.218 ± 1.034 $\chi^2/\text{NDF}: 15034.2/17$

Left Out: 190.219 ± 1.050 $\chi^2/\text{NDF}: 9384.0/24$

Right Out: 185.251 ± 0.888 $\chi^2/\text{NDF}: 19938.2/21$

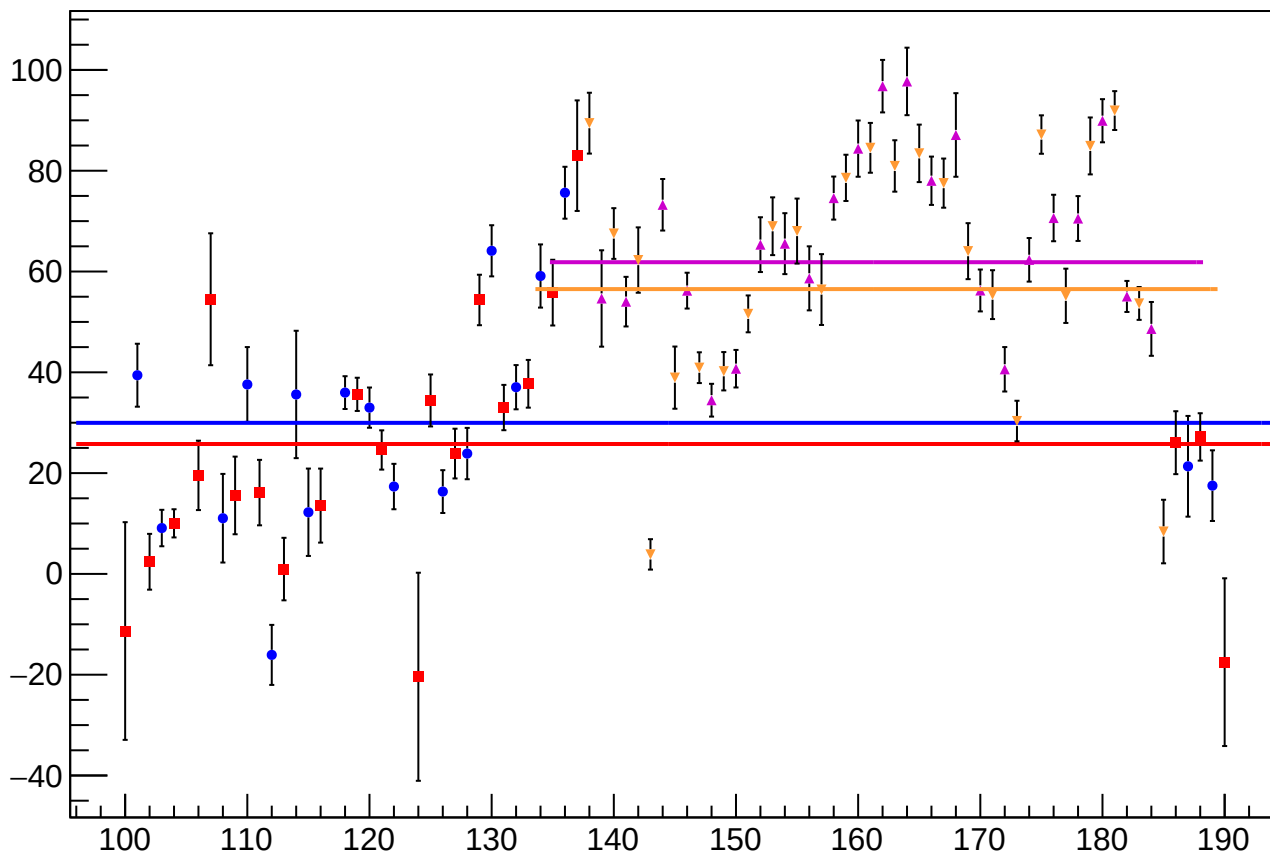
Left In: 215.649 ± 1.098 $\chi^2/\text{NDF}: 3886.0/22$

+ sign 182.601 ± 0.737 $\chi^2/\text{NDF}: 24521.8/42$

All: 190.407 ± 0.504 $\chi^2/\text{NDF}: 49020.3/87$

- sign 197.267 ± 0.691 $\chi^2/\text{NDF}: 24287.5/44$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 29.975 ± 1.226 $\chi^2/\text{NDF}: 281.0/17$

Left Out: 56.514 ± 0.909 $\chi^2/\text{NDF}: 798.9/24$

Right Out: 25.776 ± 1.152 $\chi^2/\text{NDF}: 194.6/21$

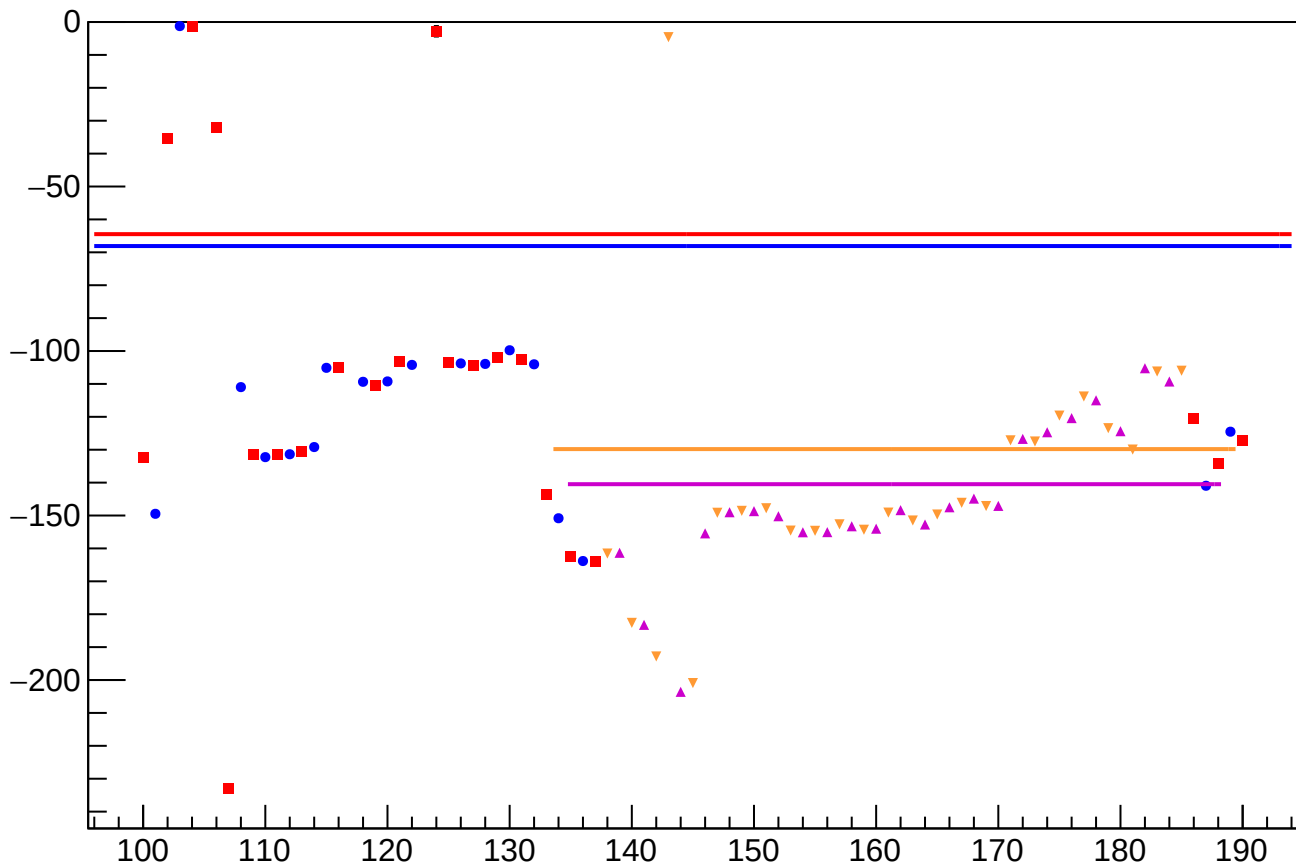
Left In: 61.850 ± 0.961 $\chi^2/\text{NDF}: 320.7/22$

+ sign 47.096 ± 0.730 $\chi^2/\text{NDF}: 1382.4/42$

All: 47.065 ± 0.519 $\chi^2/\text{NDF}: 2476.0/87$

- sign 47.033 ± 0.738 $\chi^2/\text{NDF}: 1093.6/44$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -68.095 ± 0.062 χ^2/NDF : 1097821.9/17

Left Out: -129.810 ± 0.042 χ^2/NDF : 1025155.0/24

Right Out: -64.475 ± 0.059 χ^2/NDF : 1001366.7/21

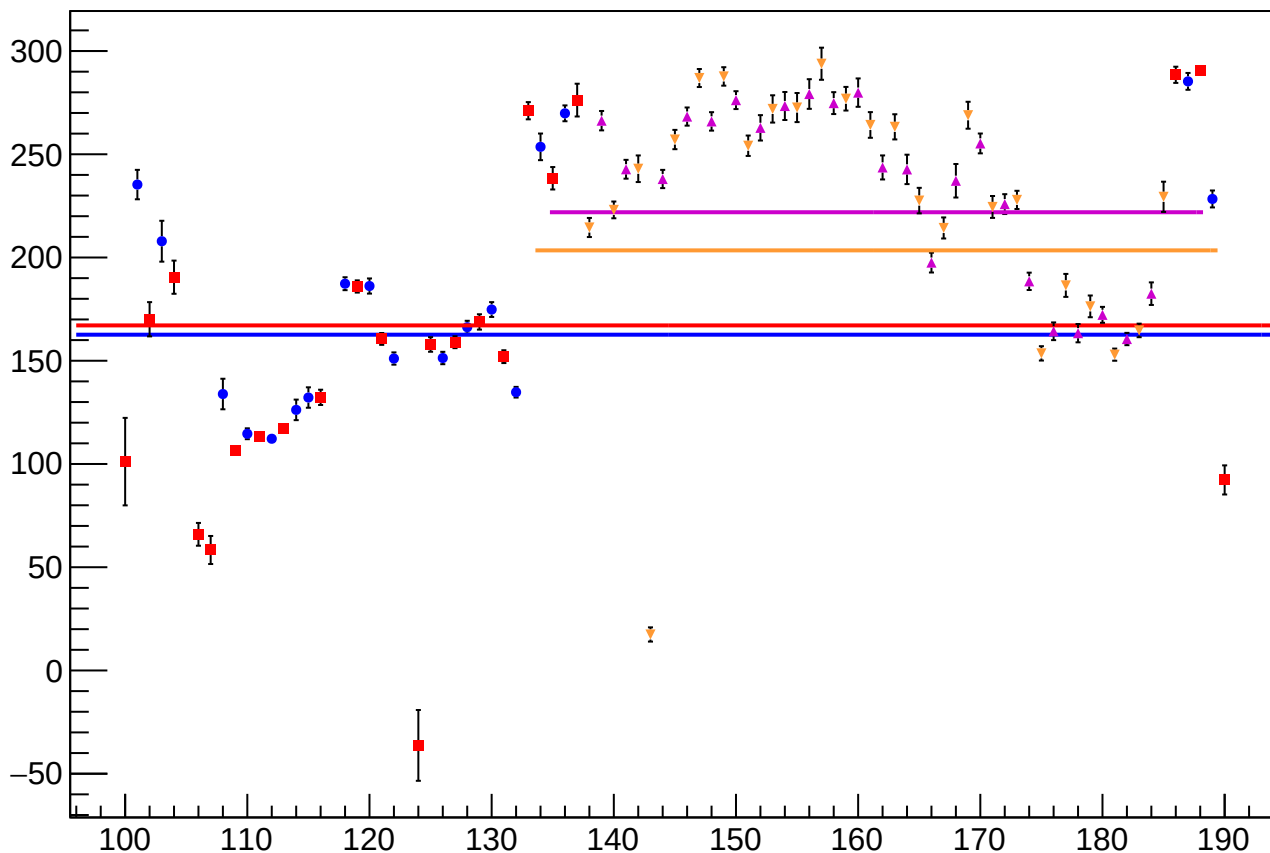
Left In: -140.477 ± 0.044 χ^2/NDF : 254660.0/22

+ sign -110.328 ± 0.035 χ^2/NDF : 2799253.0/42

All: -112.015 ± 0.025 χ^2/NDF : 5126086.9/87

- sign -113.729 ± 0.035 χ^2/NDF : 2322118.7/44

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 162.618 ± 0.832 $\chi^2/\text{NDF}: 3538.8/17$

Left Out: 203.453 ± 0.953 $\chi^2/\text{NDF}: 5491.5/24$

Right Out: 167.115 ± 0.754 $\chi^2/\text{NDF}: 7942.4/21$

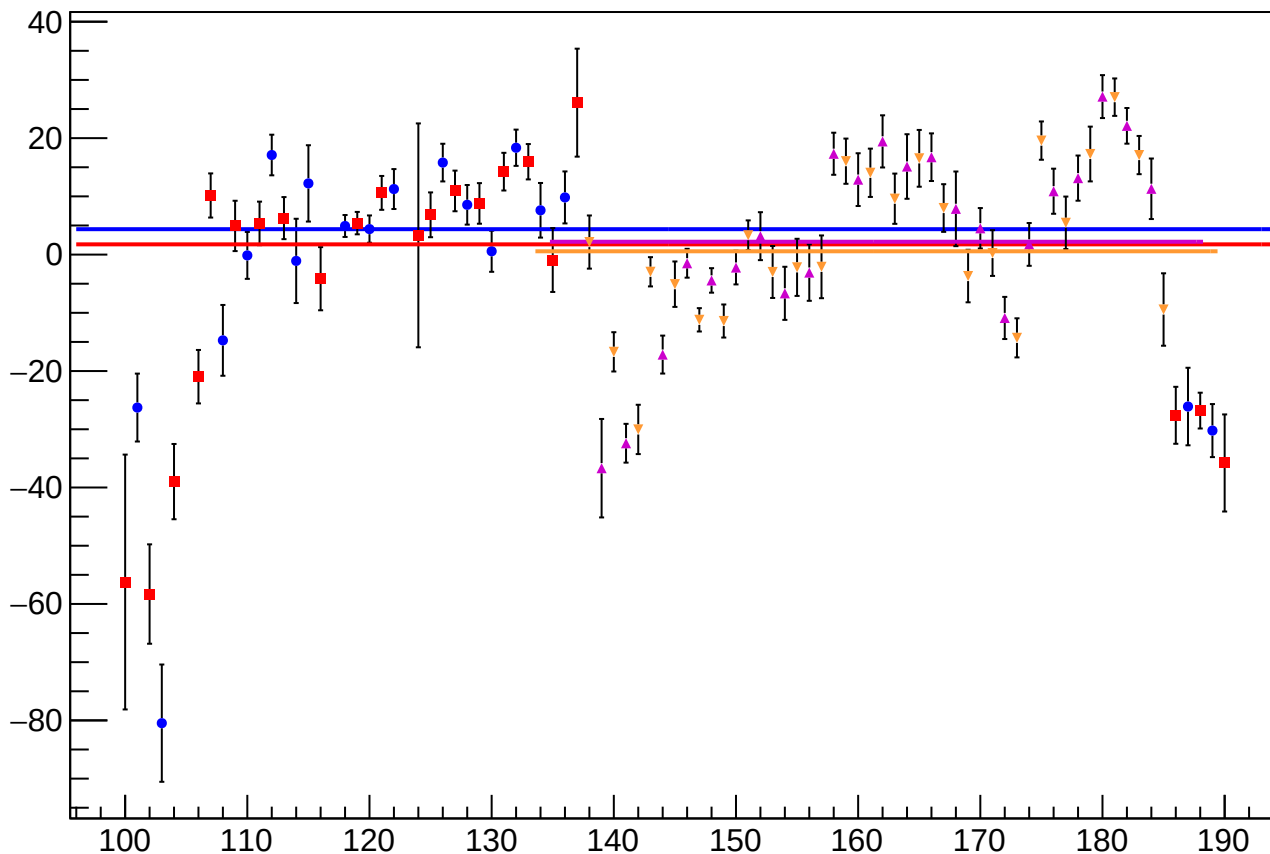
Left In: 221.923 ± 1.003 $\chi^2/\text{NDF}: 1986.7/22$

+ sign 180.289 ± 0.627 $\chi^2/\text{NDF}: 10071.9/42$

All: 183.724 ± 0.434 $\chi^2/\text{NDF}: 21967.4/87$

- sign 186.897 ± 0.603 $\chi^2/\text{NDF}: 11837.7/44$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 4.365 ± 0.866 χ^2/NDF : 245.0/17

Left Out: 0.568 ± 0.716 χ^2/NDF : 345.4/24

Right Out: 1.760 ± 0.837 χ^2/NDF : 341.9/21

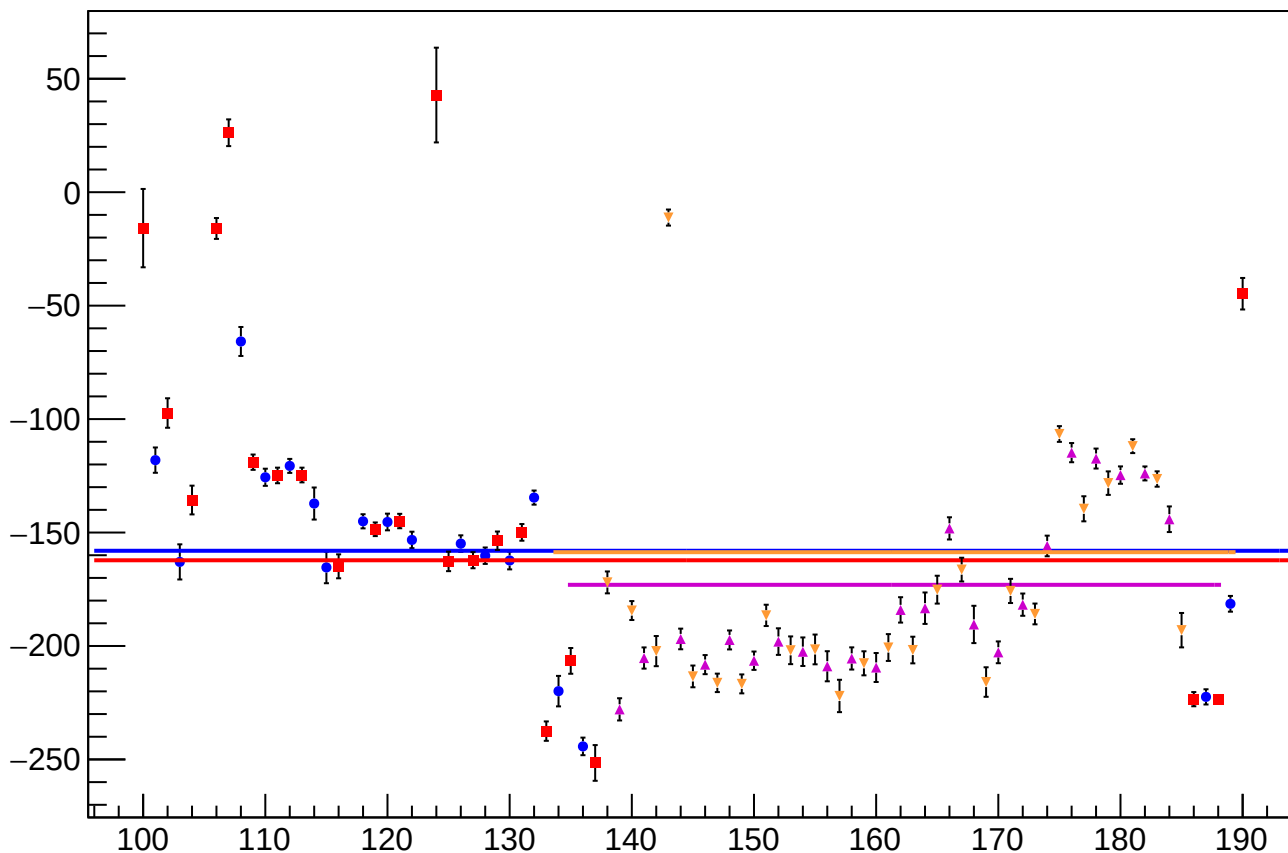
Left In: 2.210 ± 0.760 χ^2/NDF : 358.2/22

+ sign 2.108 ± 0.552 χ^2/NDF : 601.9/42

All: 2.058 ± 0.394 χ^2/NDF : 1302.0/87

- sign 2.006 ± 0.563 χ^2/NDF : 700.2/44

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -158.037 ± 0.944 χ^2/NDF : 1575.7/17

Left Out: -158.658 ± 0.951 χ^2/NDF : 3491.8/24

Right Out: -162.226 ± 0.828 χ^2/NDF : 5186.0/21

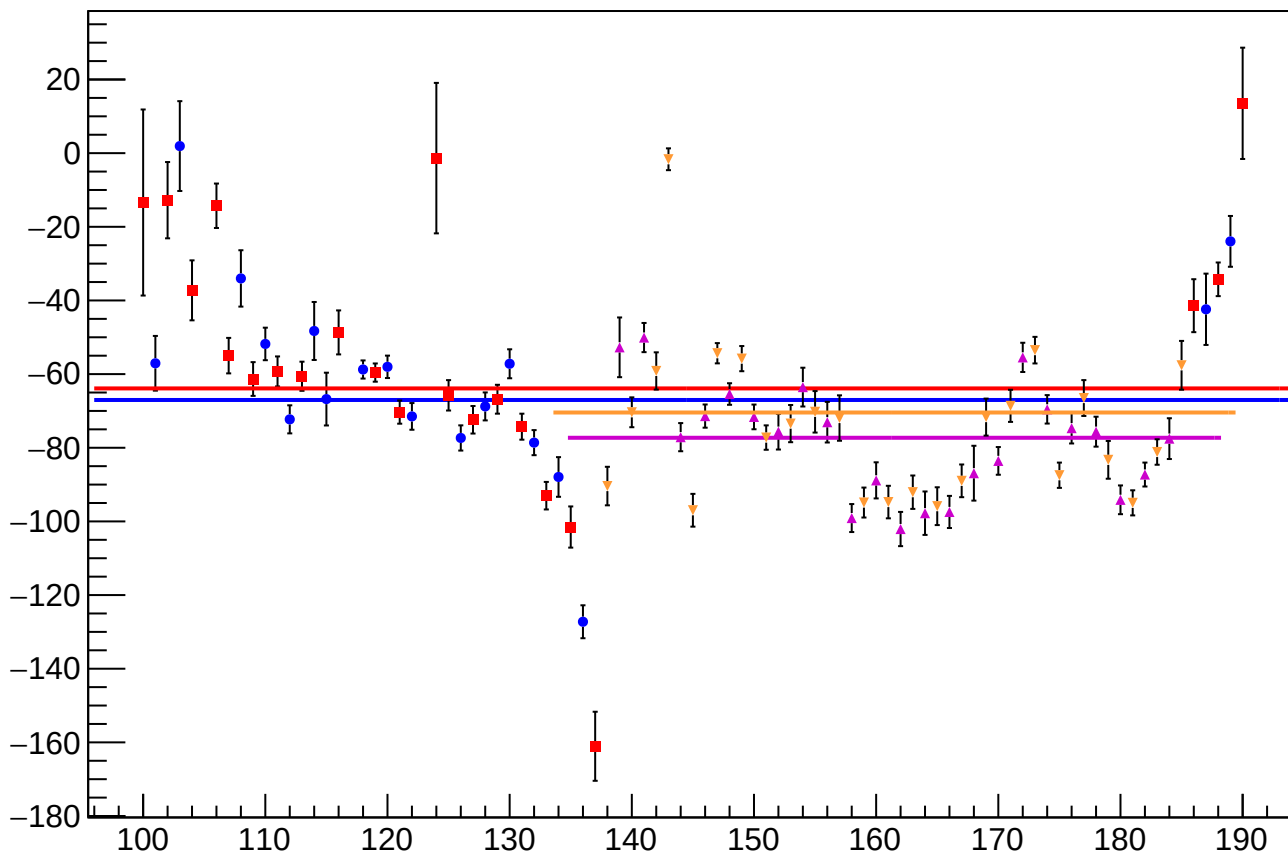
Left In: -173.043 ± 0.996 χ^2/NDF : 1399.9/22

+ sign -158.345 ± 0.670 χ^2/NDF : 5067.6/42

All: -162.708 ± 0.461 χ^2/NDF : 11804.1/87

- sign -166.649 ± 0.637 χ^2/NDF : 6655.8/44

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -67.025 ± 1.016 χ^2/NDF : 362.3/17

Left Out: -70.427 ± 0.821 χ^2/NDF : 901.6/24

Right Out: -63.886 ± 0.988 χ^2/NDF : 441.5/21

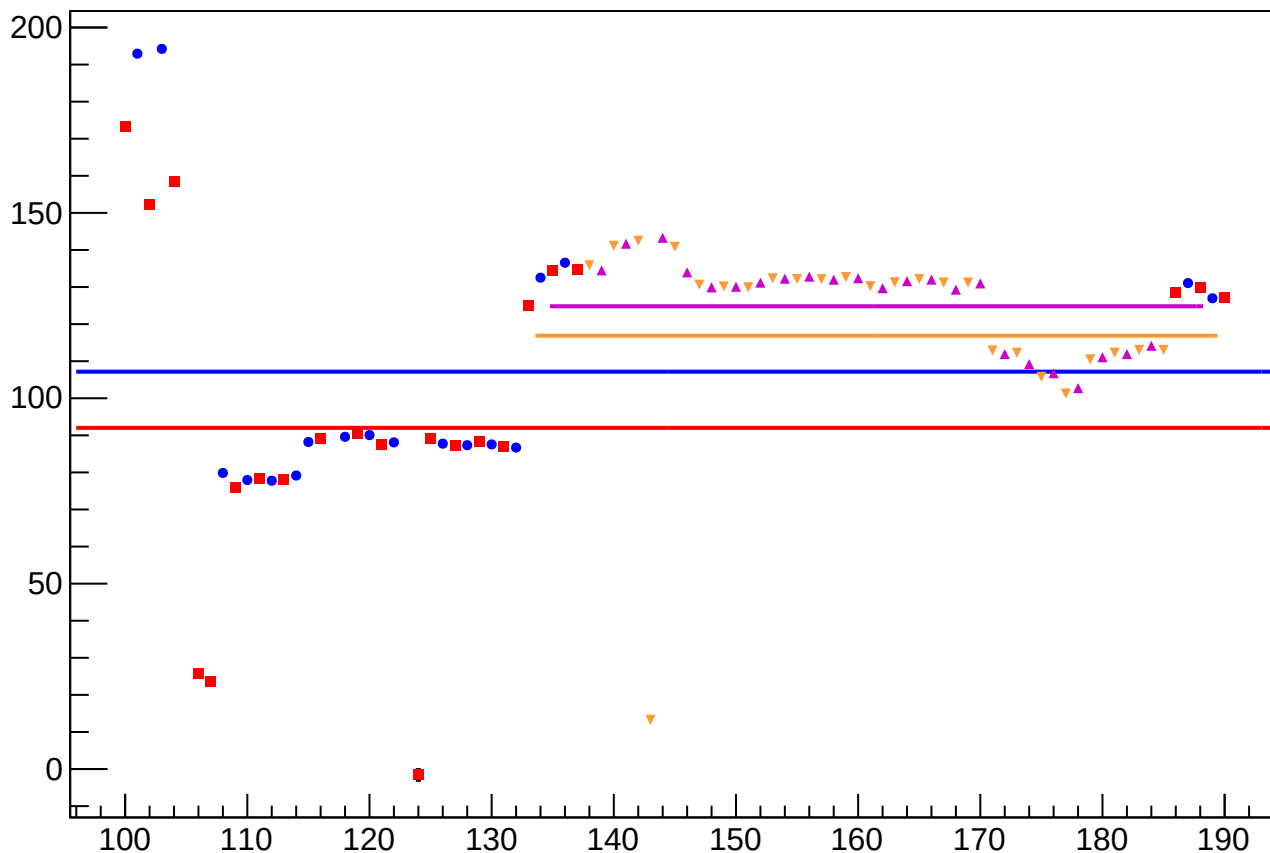
Left In: -77.288 ± 0.866 χ^2/NDF : 254.3/22

+ sign -69.083 ± 0.639 χ^2/NDF : 1270.7/42

All: -70.251 ± 0.456 χ^2/NDF : 2077.4/87

- sign -71.464 ± 0.651 χ^2/NDF : 799.9/44

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 107.174 $\pm$ 0.068 χ^2 /NDF: 246479.9/17

Left Out: 116.881 $\pm$ 0.038 χ^2 /NDF: 623110.0/24

Right Out: 92.021 $\pm$ 0.062 χ^2 /NDF: 416444.5/21

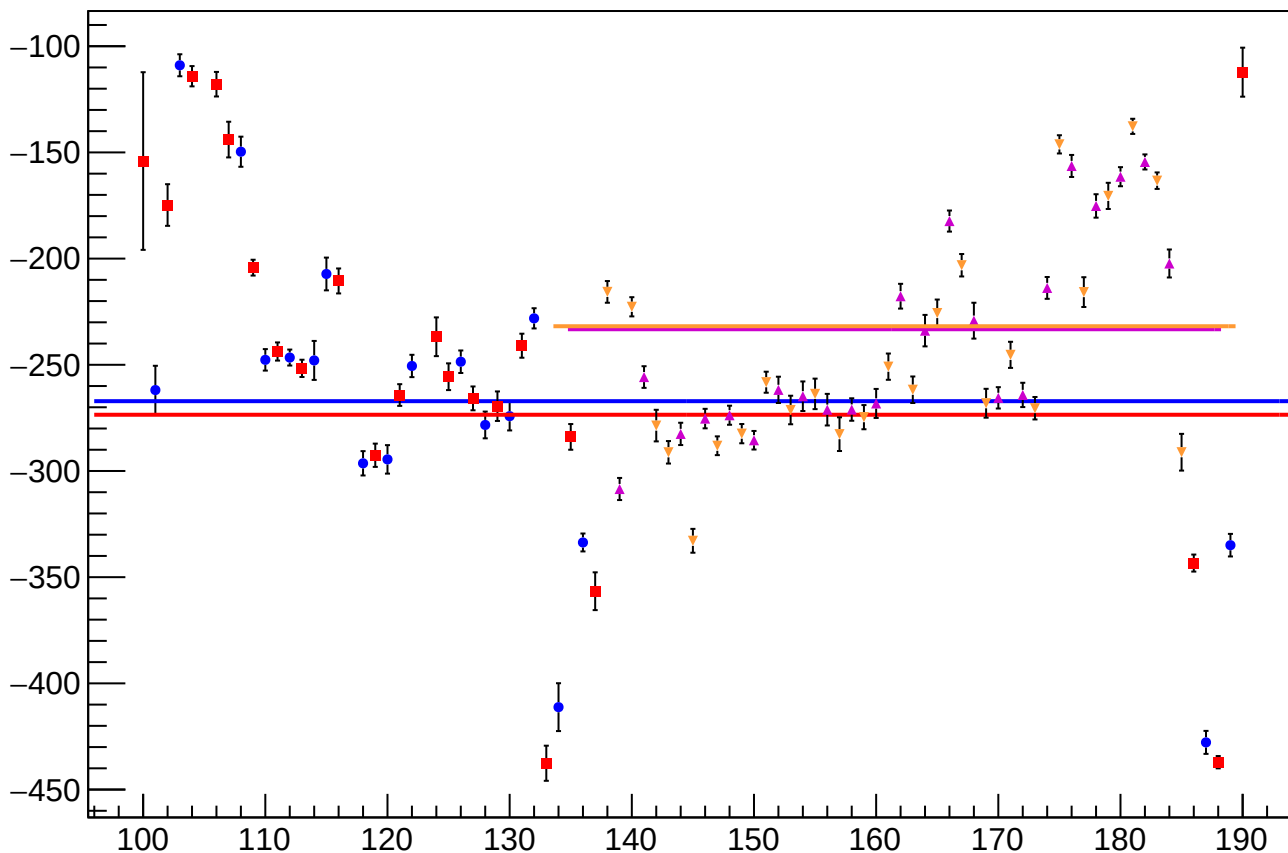
Left In: 124.819 $\pm$ 0.039 χ^2 /NDF: 88116.2/22

+ sign 114.580 $\pm$ 0.033 χ^2 /NDF: 884977.2/42

All: 115.006 $\pm$ 0.024 χ^2 /NDF: 1588950.1/87

- sign 115.430 $\pm$ 0.033 χ^2 /NDF: 703646.3/44

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -267.128 ± 1.345 $\chi^2/\text{NDF}: 2908.7/17$

Left Out: -231.847 ± 1.080 $\chi^2/\text{NDF}: 2676.6/24$

Right Out: -273.524 ± 1.154 $\chi^2/\text{NDF}: 6963.3/21$

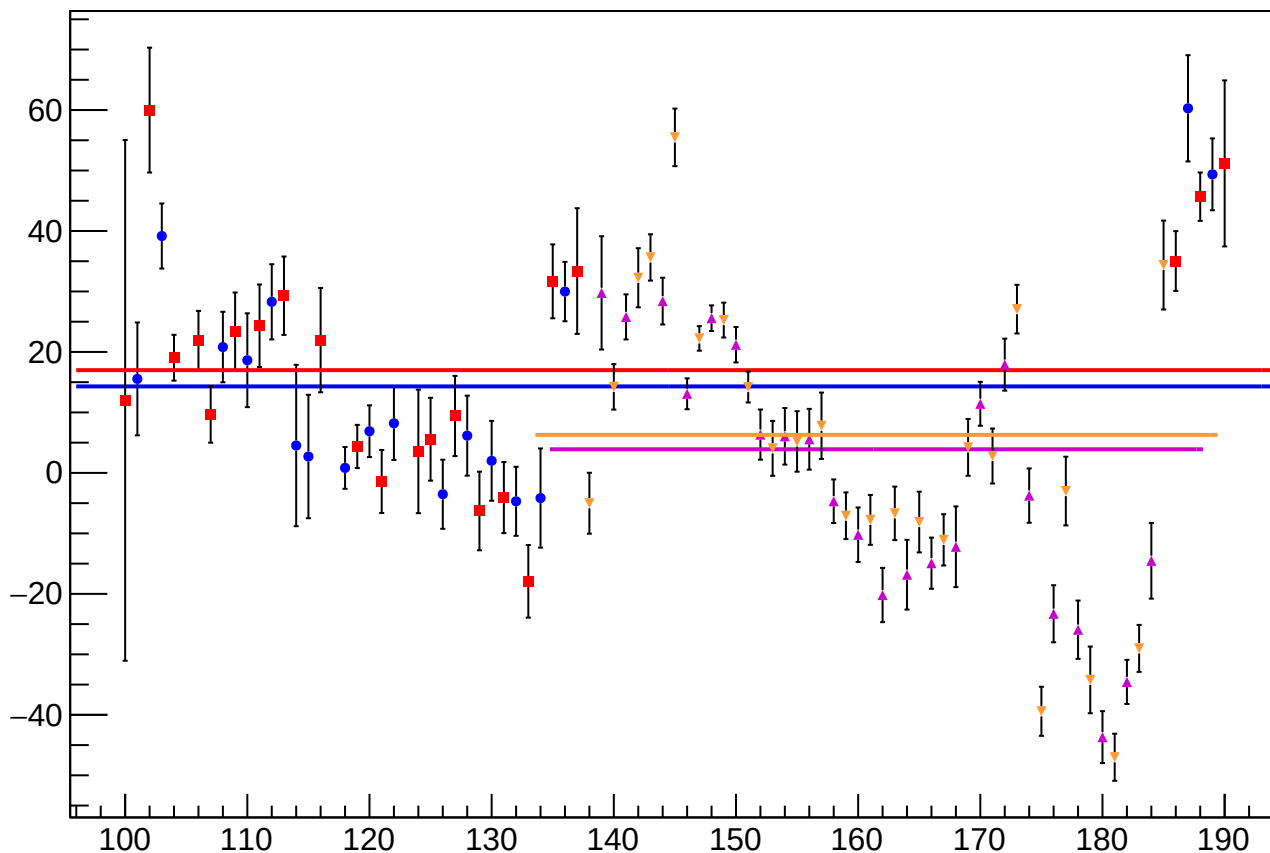
Left In: -233.258 ± 1.108 $\chi^2/\text{NDF}: 2067.0/22$

+ sign -245.684 ± 0.842 $\chi^2/\text{NDF}: 6003.7/42$

All: -249.307 ± 0.580 $\chi^2/\text{NDF}: 15703.0/87$

- sign -252.568 ± 0.799 $\chi^2/\text{NDF}: 9664.1/44$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 14.301 $\pm$ 1.409 χ^2 /NDF: 152.3/17

Left Out: 6.288 $\pm$ 0.789 χ^2 /NDF: 871.5/24

Right Out: 16.989 $\pm$ 1.247 χ^2 /NDF: 196.7/21

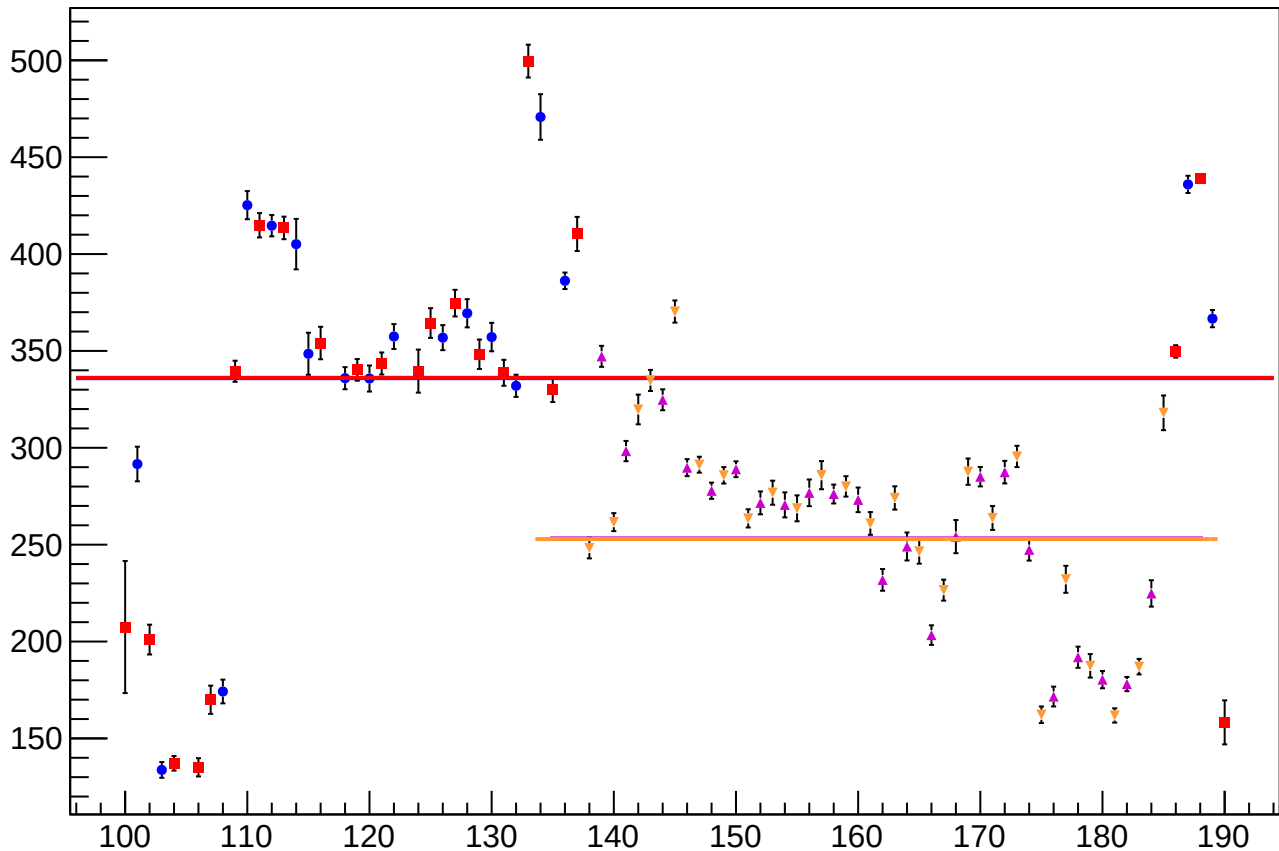
Left In: 3.906 $\pm$ 0.818 χ^2 /NDF: 650.3/22

+ sign 8.201 $\pm$ 0.688 χ^2 /NDF: 1048.4/42

All: 8.022 $\pm$ 0.485 χ^2 /NDF: 1972.5/87

- sign 7.845 $\pm$ 0.684 χ^2 /NDF: 924.0/44

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 335.947 $\pm$ 1.416 χ^2 /NDF: 4457.4/17

Left Out: 252.886 $\pm$ 1.070 χ^2 /NDF: 2579.0/24

Right Out: 336.123 $\pm$ 1.158 χ^2 /NDF: 8508.8/21

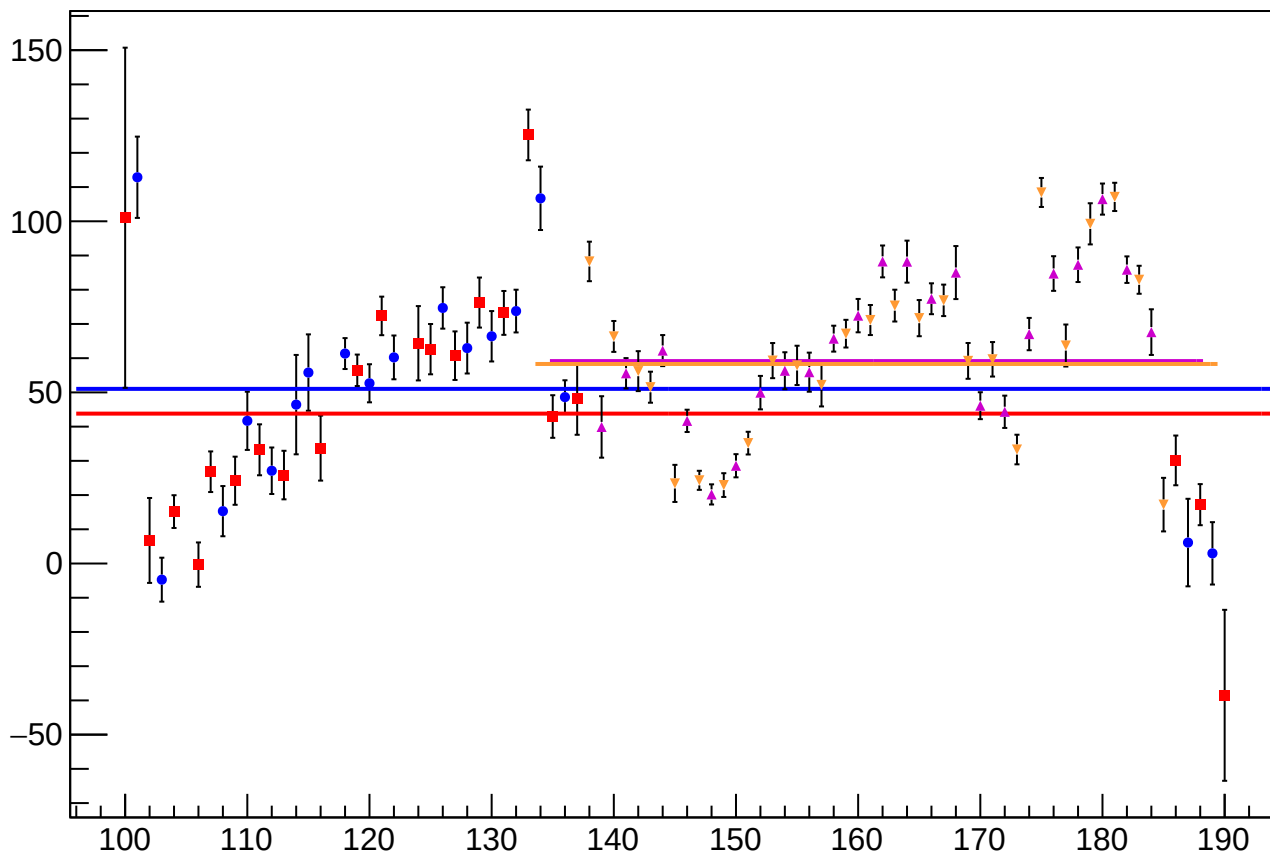
Left In: 253.248 $\pm$ 1.093 χ^2 /NDF: 2059.7/22

+ sign 283.096 $\pm$ 0.854 χ^2 /NDF: 9226.2/42

All: 288.029 $\pm$ 0.582 χ^2 /NDF: 22564.4/87

- sign 292.305 $\pm$ 0.795 χ^2 /NDF: 13276.0/44

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 51.032 $\pm$ 1.656 χ^2/NDF : 259.5/17

Left Out: 58.306 $\pm$ 0.911 χ^2/NDF :850.2/24

Right Out: 43.800 $\pm$ 1.504 χ^2/NDF : 362.9/21

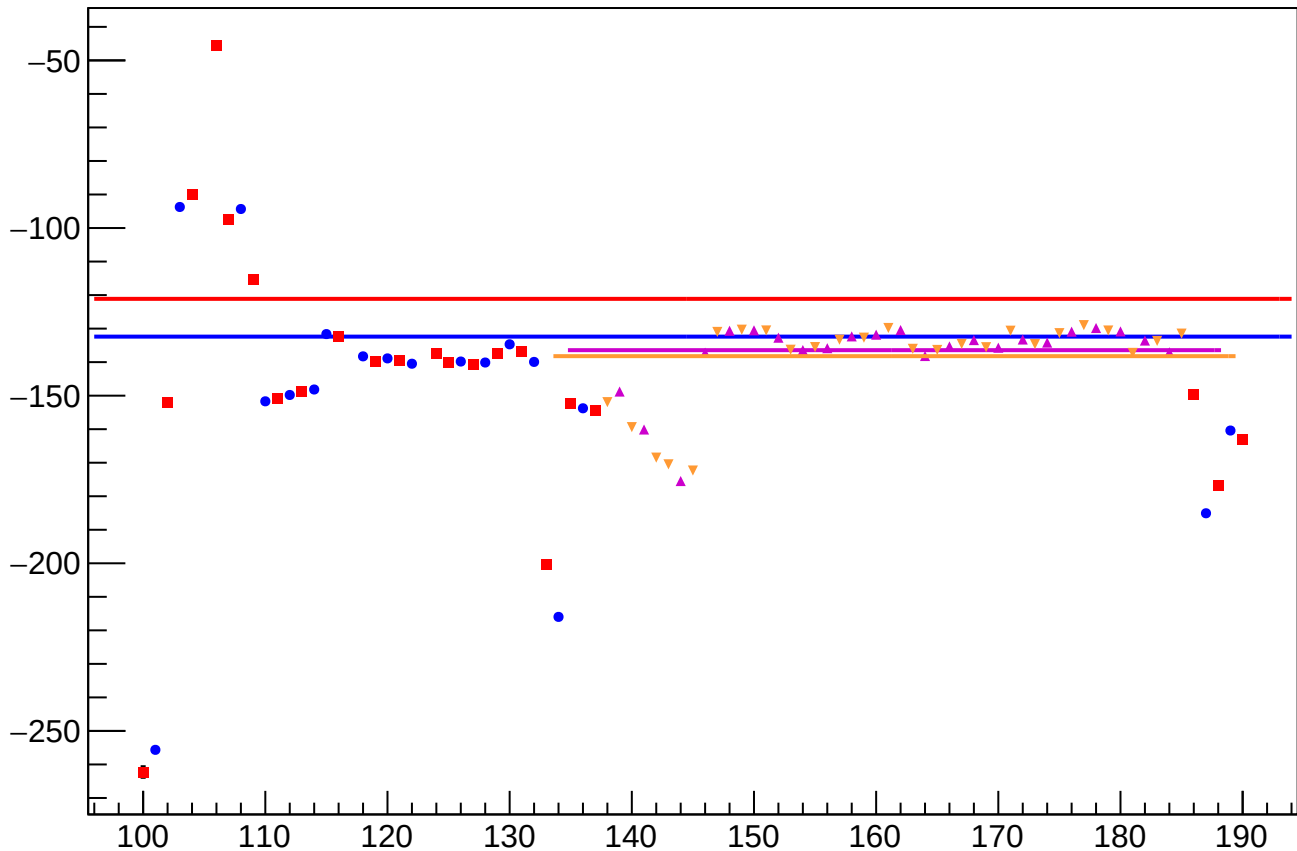
Left In: 59.151 $\pm$ 0.938 χ^2/NDF :632.4/22

+ sign 56.615 $\pm$ 0.798 χ^2/NDF : 1124.5/42

All: 55.729 $\pm$ 0.564 χ^2/NDF : 2197.3/87

- sign 54.849 $\pm$ 0.796 χ^2/NDF : 1070.3/44

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -132.389 ± 0.088 $\chi^2/\text{NDF}: 184586.6/17$

Left Out: -138.218 ± 0.042 $\chi^2/\text{NDF}: 81828.6/24$

Right Out: -121.124 ± 0.081 $\chi^2/\text{NDF}: 245769.4/21$

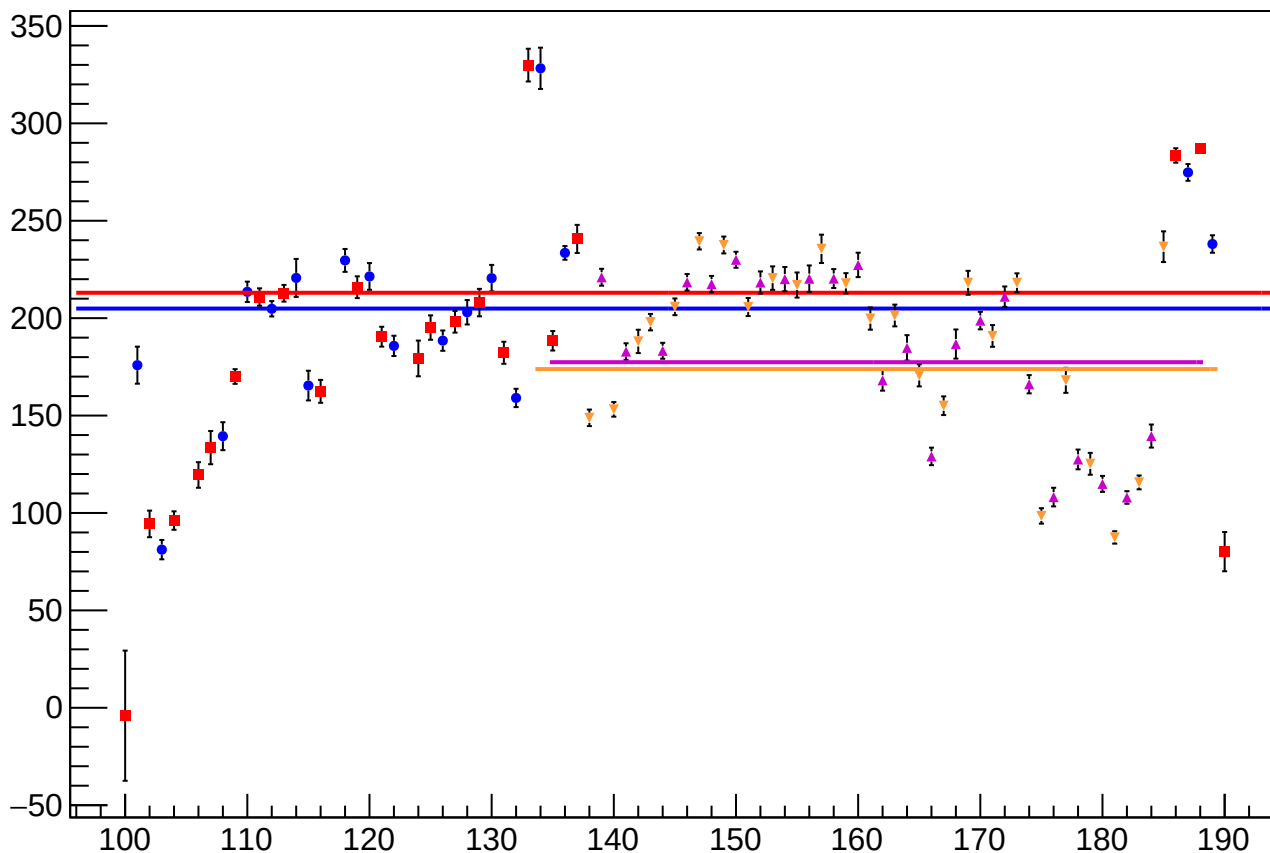
Left In: -136.429 ± 0.043 $\chi^2/\text{NDF}: 49792.9/22$

+ sign -137.123 ± 0.038 $\chi^2/\text{NDF}: 269949.2/42$

All: -135.093 ± 0.027 $\chi^2/\text{NDF}: 598781.2/87$

- sign -133.104 ± 0.038 $\chi^2/\text{NDF}: 323271.9/44$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 204.927 ± 1.281 $\chi^2/\text{NDF}: 1413.4/17$

Left Out: 173.862 ± 0.962 $\chi^2/\text{NDF}: 2627.6/24$

Right Out: 213.038 ± 1.089 $\chi^2/\text{NDF}: 3329.4/21$

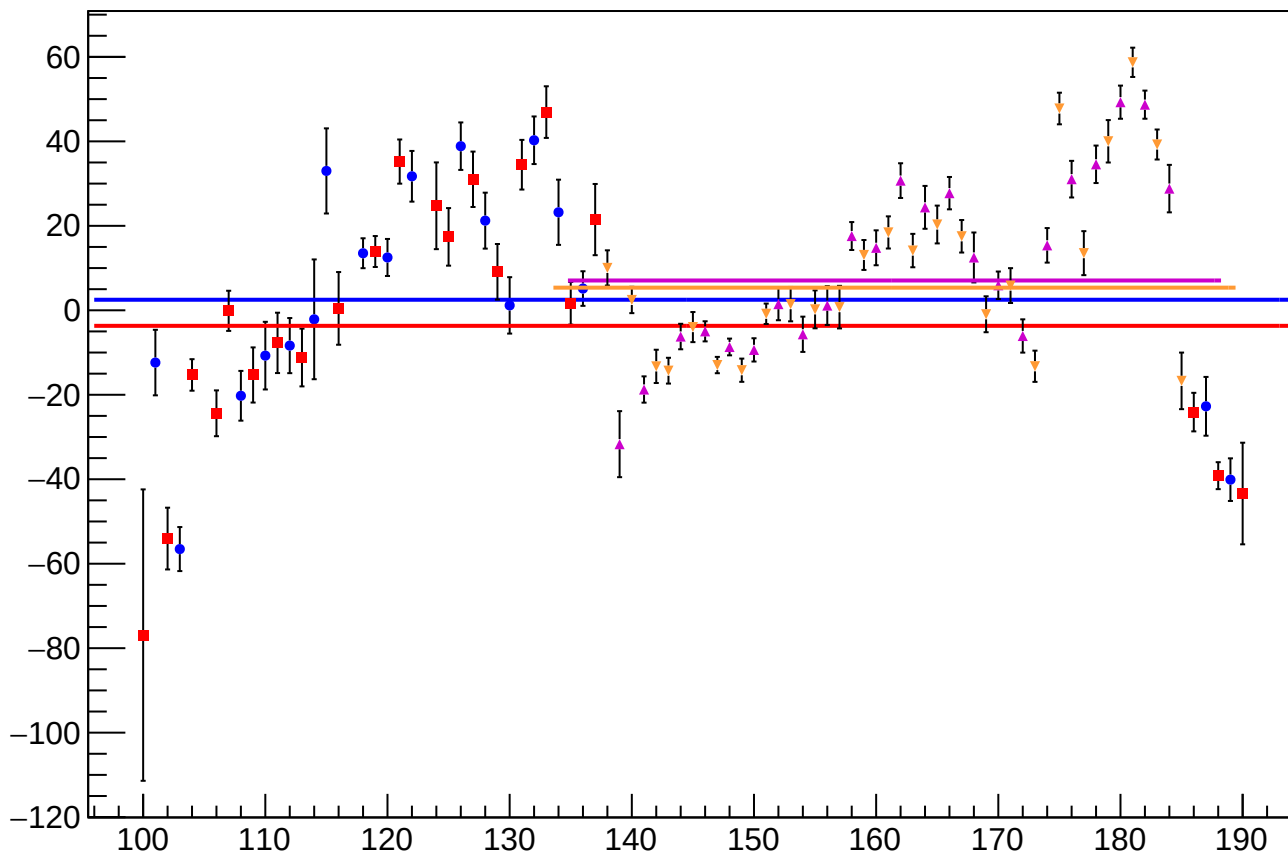
Left In: 177.403 ± 0.996 $\chi^2/\text{NDF}: 1963.0/22$

+ sign 185.064 ± 0.769 $\chi^2/\text{NDF}: 4417.0/42$

All: 189.546 ± 0.531 $\chi^2/\text{NDF}: 10357.8/87$

- sign 193.633 ± 0.735 $\chi^2/\text{NDF}: 5876.0/44$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 2.499 ± 1.360 $\chi^2/\text{NDF}: 387.0/17$

Left Out: 5.363 ± 0.710 $\chi^2/\text{NDF}: 810.0/24$

Right Out: -3.678 ± 1.197 $\chi^2/\text{NDF}: 484.1/21$

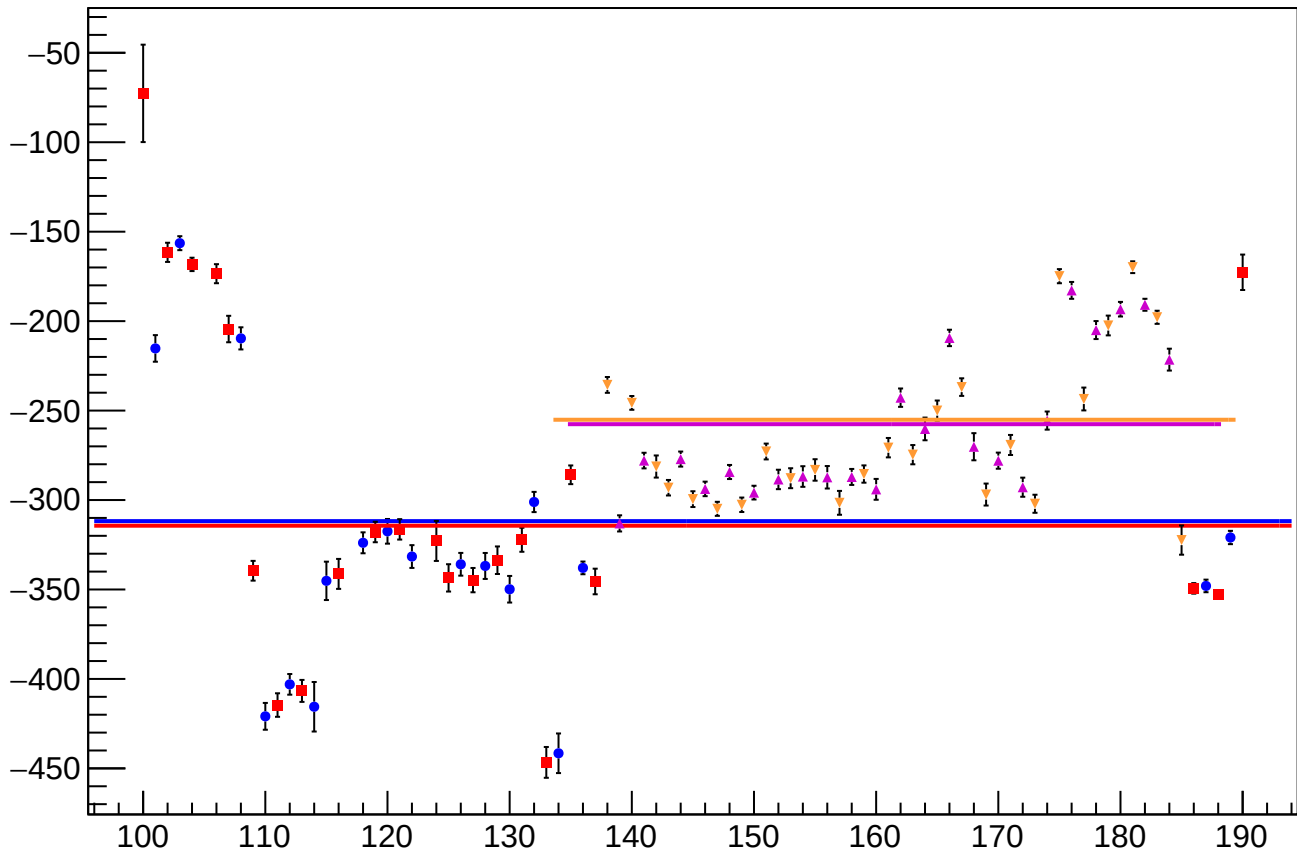
Left In: 7.061 ± 0.741 $\chi^2/\text{NDF}: 709.7/22$

+ sign 4.749 ± 0.630 $\chi^2/\text{NDF}: 1200.4/42$

All: 4.417 ± 0.445 $\chi^2/\text{NDF}: 2453.0/87$

- sign 4.084 ± 0.630 $\chi^2/\text{NDF}: 1252.0/44$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -311.787 ± 1.313 $\chi^2/\text{NDF}: 2927.2/17$

Left Out: -255.122 ± 0.956 $\chi^2/\text{NDF}: 2344.8/24$

Right Out: -314.343 ± 1.058 $\chi^2/\text{NDF}: 4939.8/21$

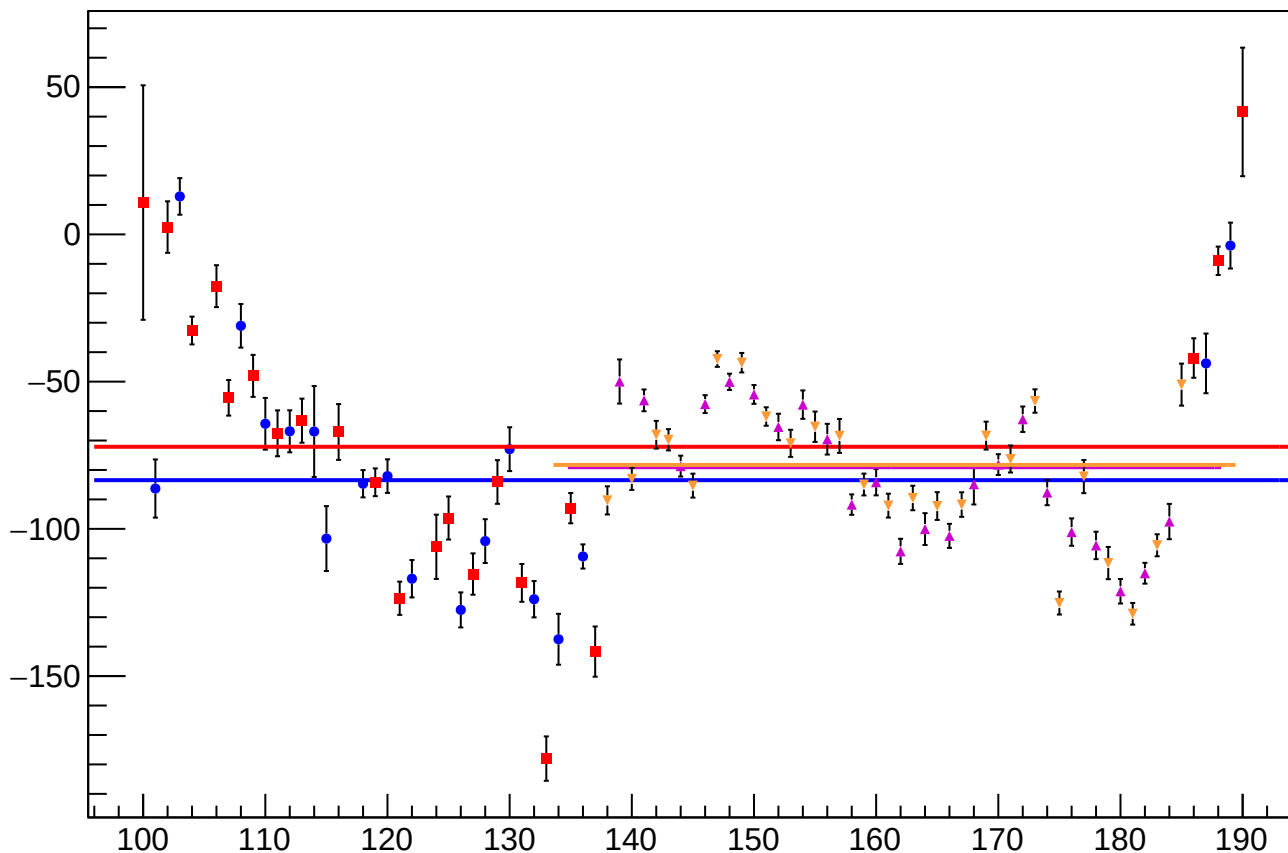
Left In: -257.600 ± 0.985 $\chi^2/\text{NDF}: 1808.1/22$

+ sign -274.763 ± 0.773 $\chi^2/\text{NDF}: 6489.1/42$

All: -279.672 ± 0.527 $\chi^2/\text{NDF}: 14853.4/87$

- sign -283.942 ± 0.721 $\chi^2/\text{NDF}: 8288.9/44$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -83.469 ± 1.599 χ^2/NDF : 639.6/17

Left Out: -78.292 ± 0.819 χ^2/NDF : 868.2/24

Right Out: -72.123 ± 1.453 χ^2/NDF : 928.8/21

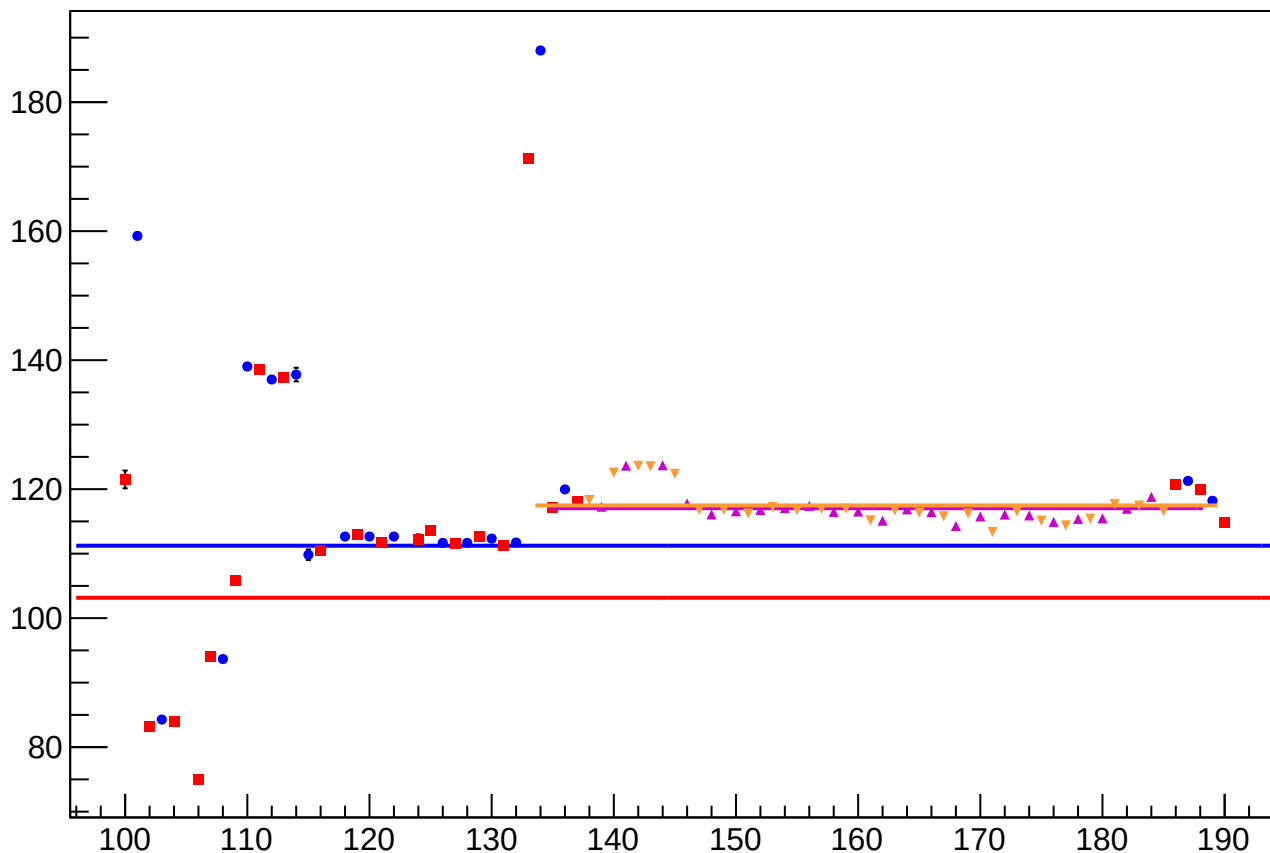
Left In: -79.066 ± 0.849 χ^2/NDF : 702.6/22

+ sign -79.368 ± 0.729 χ^2/NDF : 1516.1/42

All: -78.340 ± 0.517 χ^2/NDF : 3168.6/87

- sign -77.300 ± 0.733 χ^2/NDF : 1648.5/44

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 111.230+/-0.083 χ^2/NDF : 84211.6/17

Left Out: 117.477+/-0.038 χ^2/NDF : 4739.3/24

Right Out: 103.159+/-0.076 χ^2/NDF : 68356.4/21

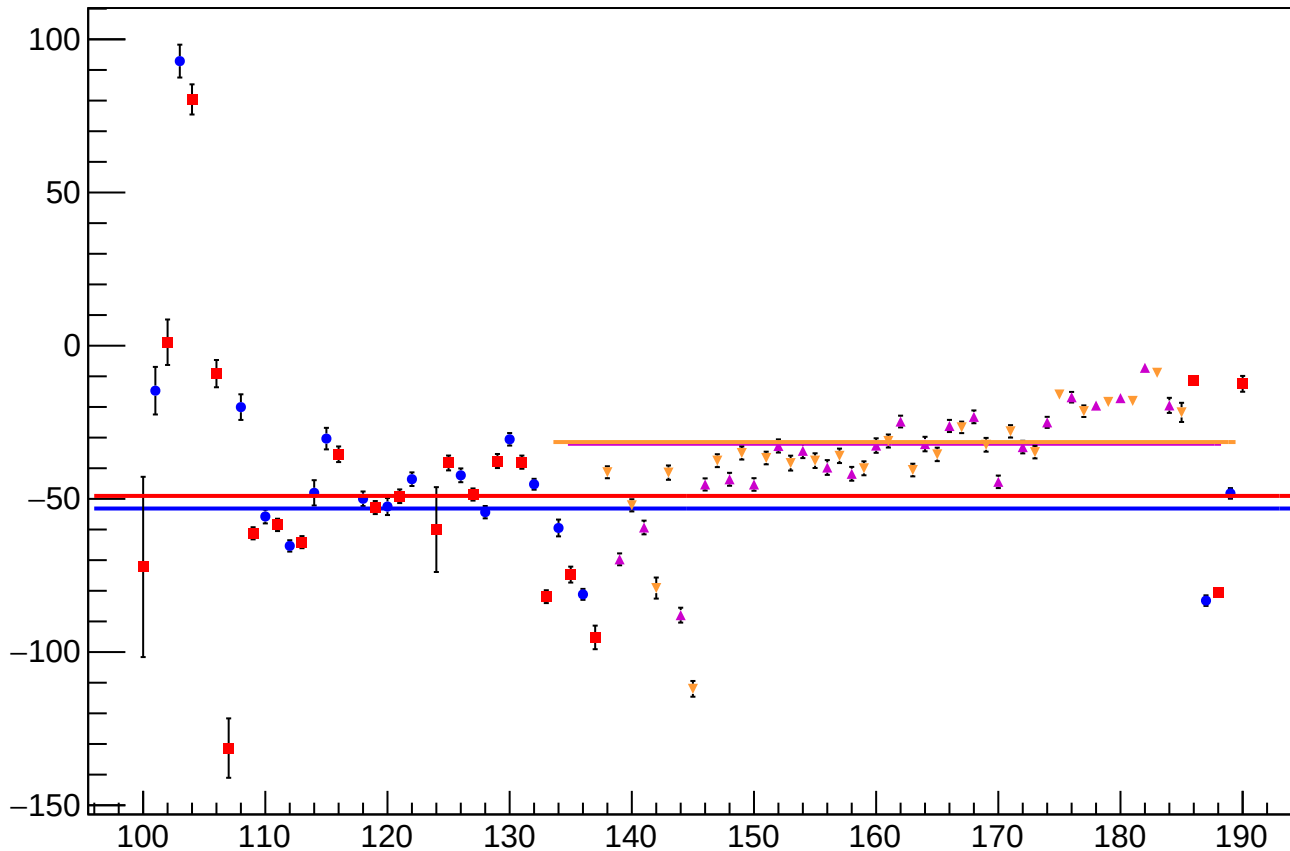
Left In: 117.046+/-0.039 χ^2/NDF : 3343.0/22

+ sign 116.391+/-0.035 χ^2/NDF : 93647.7/42

All: 115.291+/-0.024 χ^2/NDF : 193885.2/87

- sign 114.199+/-0.034 χ^2/NDF : 98218.6/44

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -53.145+/-0.546 χ^2/NDF : 1664.9/17

Left Out: -31.452 ± 0.399 $\chi^2/\text{NDF}: 1992.2/24$

Right Out: -49.032 ± 0.457 χ^2/NDF : 4077.2/21

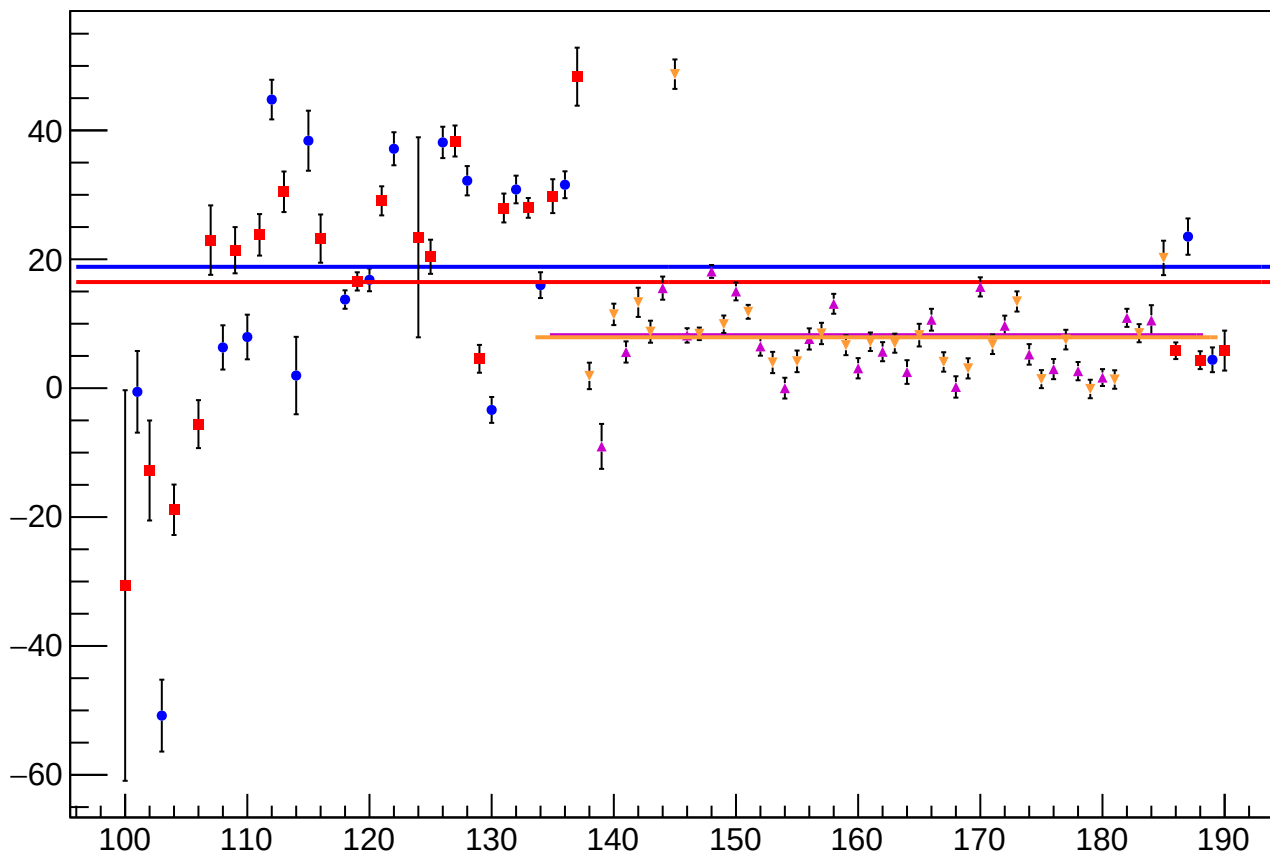
Left In: -32.015+/-0.409 χ^2/NDF :1913.4/22

+ sign -39.004+/-0.322 χ^2/NDF : 4686.8/42

All: -39.307 ± 0.221 χ^2/NDF : 11448.1/87

- sign -39.578+/-0.305 χ^2/NDF : 6759.6/44

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.829 $\pm$ 0.571 χ^2 /NDF: 699.5/17

Left Out: 7.897 $\pm$ 0.304 χ^2 /NDF: 490.5/24

Right Out: 16.465 $\pm$ 0.513 χ^2 /NDF: 626.0/21

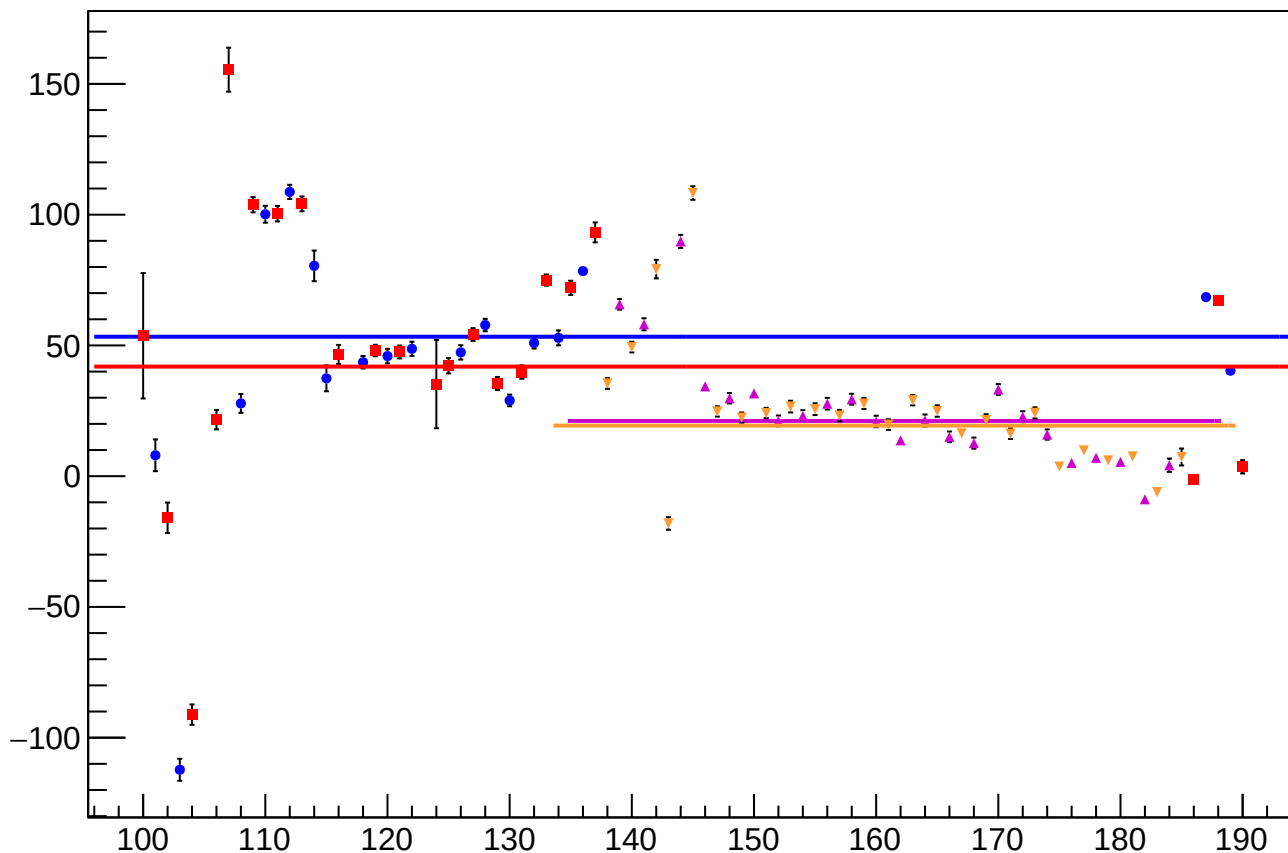
Left In: 8.223 $\pm$ 0.316 χ^2 /NDF: 338.8/22

+ sign 10.310 $\pm$ 0.268 χ^2 /NDF: 1475.7/42

All: 10.399 $\pm$ 0.190 χ^2 /NDF: 2628.3/87

- sign 10.488 $\pm$ 0.269 χ^2 /NDF: 1152.4/44

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 53.328 ± 0.575 χ^2/NDF : 2853.0/17

Left Out: 19.339 ± 0.396 χ^2/NDF : 2682.4/24

Right Out: 41.910 ± 0.442 χ^2/NDF : 7241.9/21

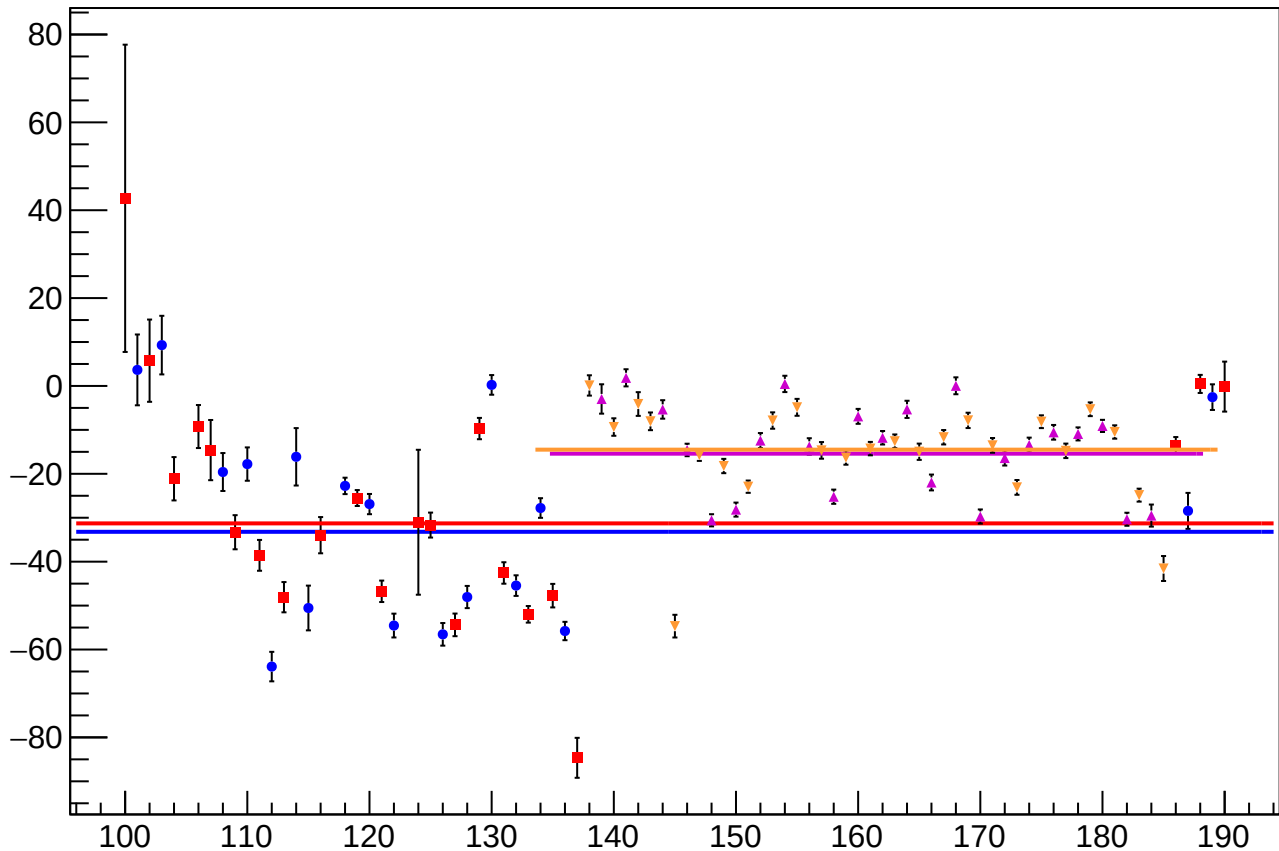
Left In: 21.124 ± 0.405 χ^2/NDF : 2504.8/22

+ sign 30.255 ± 0.326 χ^2/NDF : 7906.6/42

All: 30.442 ± 0.220 χ^2/NDF : 18856.0/87

- sign 30.599 ± 0.299 χ^2/NDF : 10948.8/44

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -33.203 ± 0.672 $\chi^2/\text{NDF}: 892.1/17$

Left Out: -14.502 ± 0.344 $\chi^2/\text{NDF}: 641.0/24$

Right Out: -31.286 ± 0.632 $\chi^2/\text{NDF}: 961.4/21$

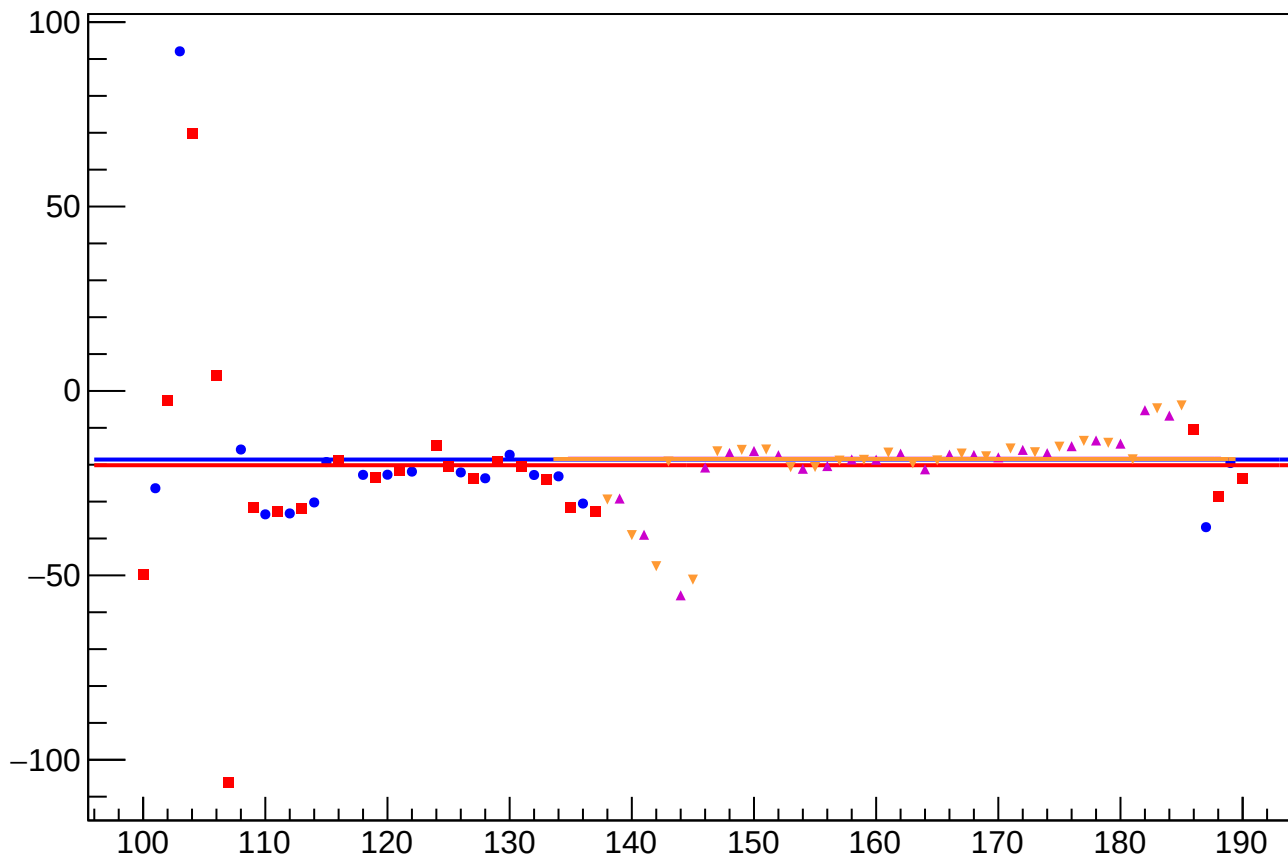
Left In: -15.417 ± 0.355 $\chi^2/\text{NDF}: 798.7/22$

+ sign -18.388 ± 0.306 $\chi^2/\text{NDF}: 2147.4/42$

All: -18.805 ± 0.218 $\chi^2/\text{NDF}: 4390.8/87$

- sign -19.232 ± 0.310 $\chi^2/\text{NDF}: 2239.7/44$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -18.595 ± 0.040 $\chi^2/\text{NDF}: 433048.1/17$

Left Out: -18.450 ± 0.015 $\chi^2/\text{NDF}: 295359.2/24$

Right Out: -20.138 ± 0.039 $\chi^2/\text{NDF}: 357466.9/21$

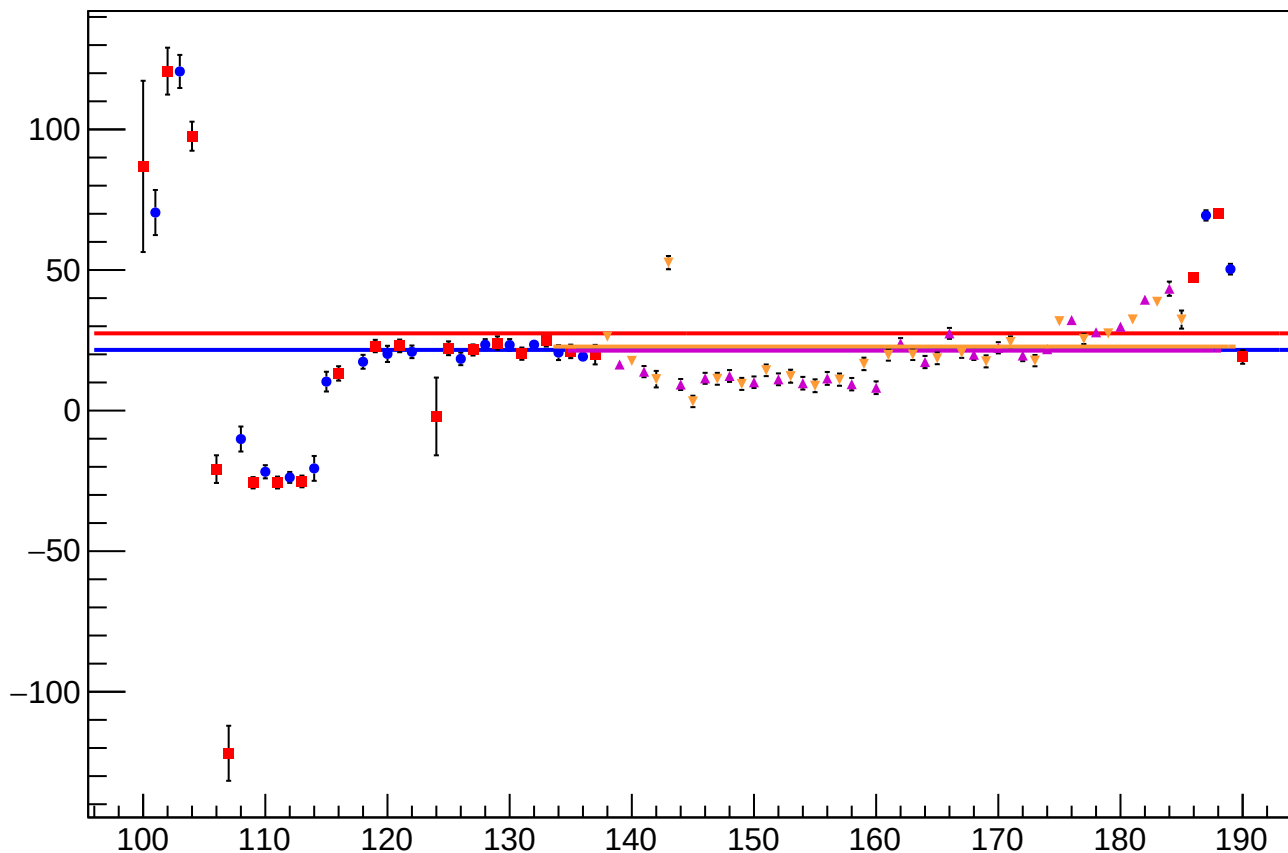
Left In: -18.378 ± 0.016 $\chi^2/\text{NDF}: 250040.9/22$

+ sign -18.468 ± 0.014 $\chi^2/\text{NDF}: 728418.7/42$

All: -18.544 ± 0.010 $\chi^2/\text{NDF}: 1337715.5/87$

- sign -18.622 ± 0.015 $\chi^2/\text{NDF}: 609240.7/44$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 21.587 ± 0.557 χ^2/NDF : 2270.2/17

Left Out: 22.766 ± 0.383 χ^2/NDF : 722.8/24

Right Out: 27.471 ± 0.483 χ^2/NDF : 4521.9/21

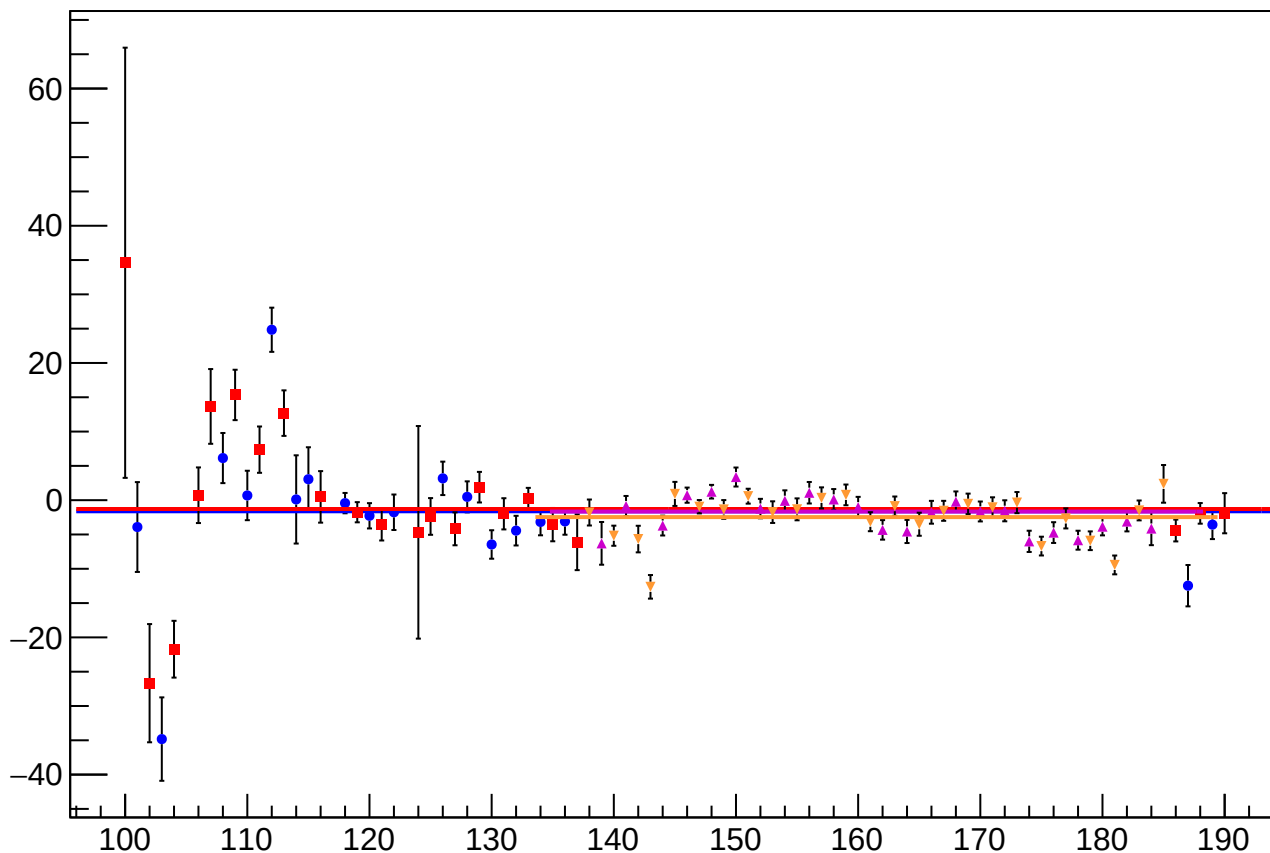
Left In: 21.325 ± 0.393 χ^2/NDF : 629.9/22

+ sign 22.389 ± 0.315 χ^2/NDF : 2996.0/42

All: 23.104 ± 0.219 χ^2/NDF : 8255.2/87

- sign 23.771 ± 0.305 χ^2/NDF : 5249.2/44

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.619 ± 0.583 χ^2/NDF : 131.2/17

Left Out: -2.468 ± 0.293 χ^2/NDF : 116.7/24

Right Out: -1.286 ± 0.540 χ^2/NDF : 99.3/21

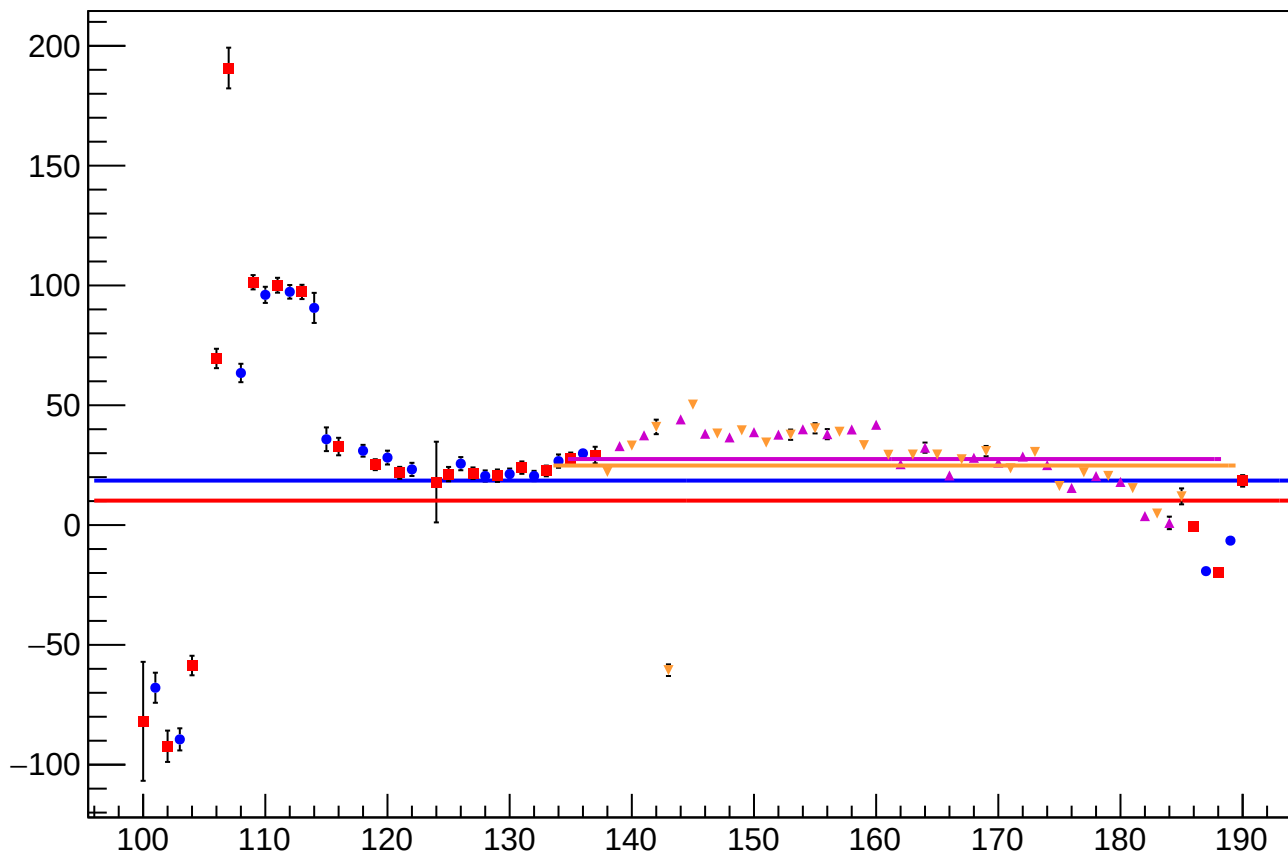
Left In: -1.659 ± 0.304 χ^2/NDF : 70.2/22

+ sign -2.297 ± 0.262 χ^2/NDF : 249.6/42

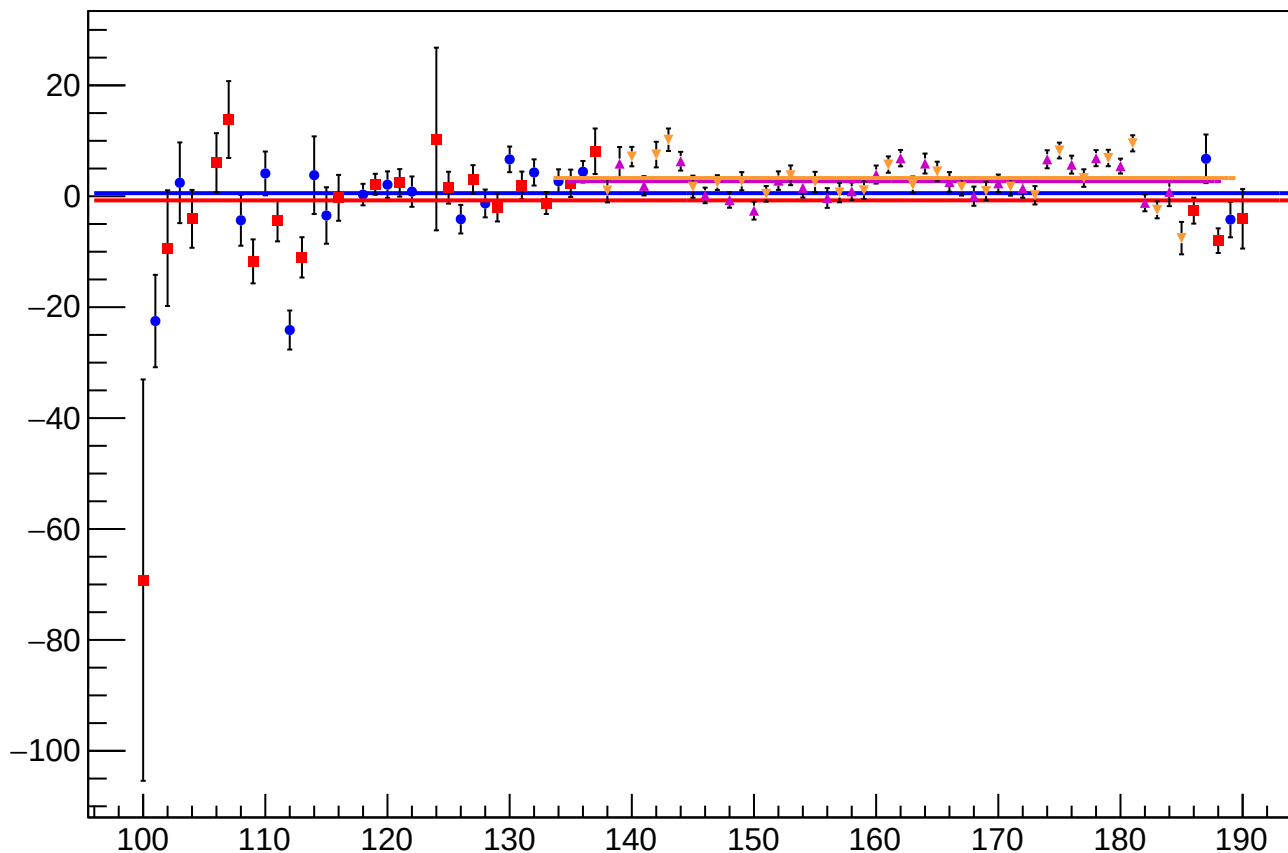
All: -1.938 ± 0.186 χ^2/NDF : 423.3/87

- sign -1.570 ± 0.265 χ^2/NDF : 169.9/44

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.562 ± 0.680 χ^2/NDF : 82.7/17

Left Out: 3.287 ± 0.331 χ^2/NDF : 106.3/24

Right Out: -0.740 ± 0.657 χ^2/NDF : 54.1/21

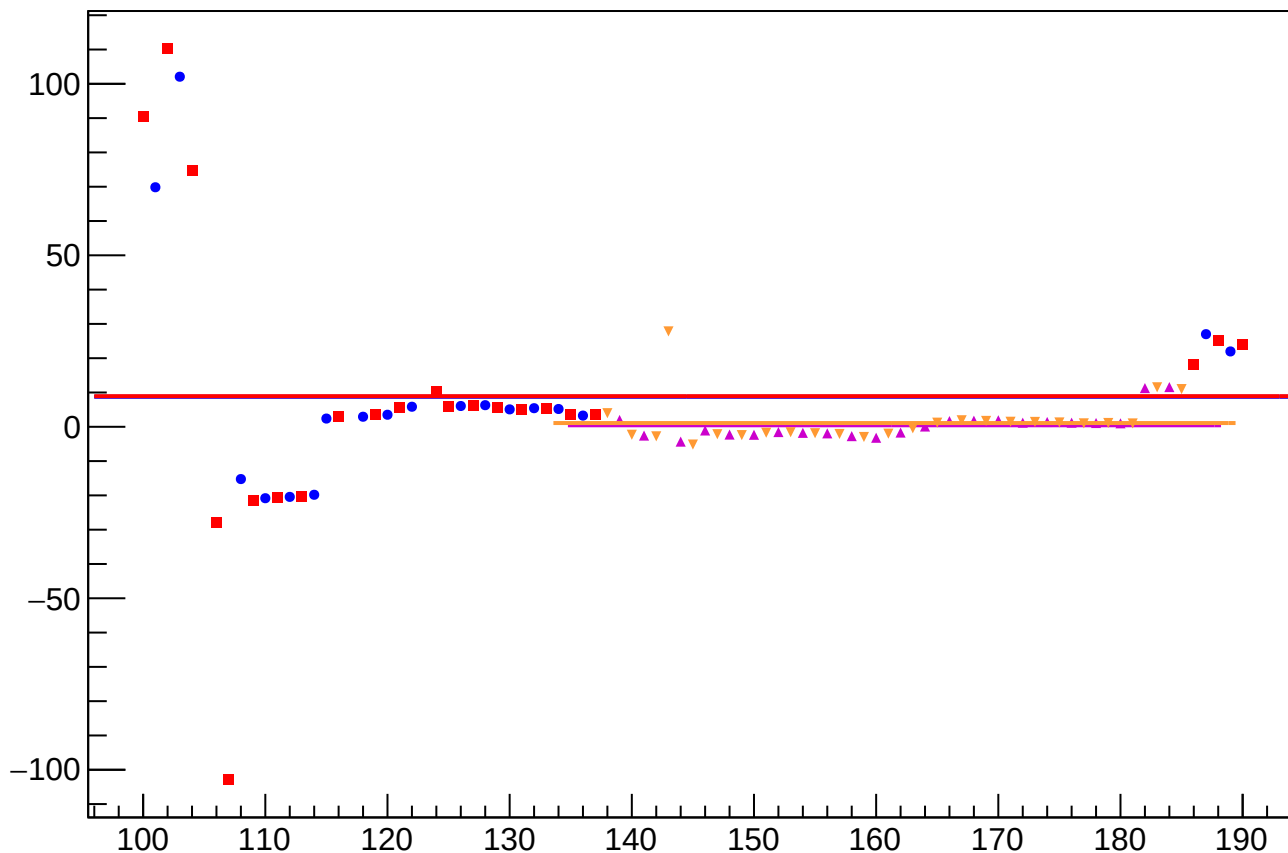
Left In: 2.730 ± 0.342 χ^2/NDF : 74.5/22

+ sign 2.764 ± 0.298 χ^2/NDF : 201.9/42

All: 2.384 ± 0.213 χ^2/NDF : 355.8/87

- sign 1.989 ± 0.303 χ^2/NDF : 150.5/44

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 8.753 ± 0.040 $\chi^2/\text{NDF}: 338346.3/17$

Left Out: 1.094 ± 0.015 $\chi^2/\text{NDF}: 128801.7/24$

Right Out: 8.925 ± 0.040 $\chi^2/\text{NDF}: 478119.8/21$

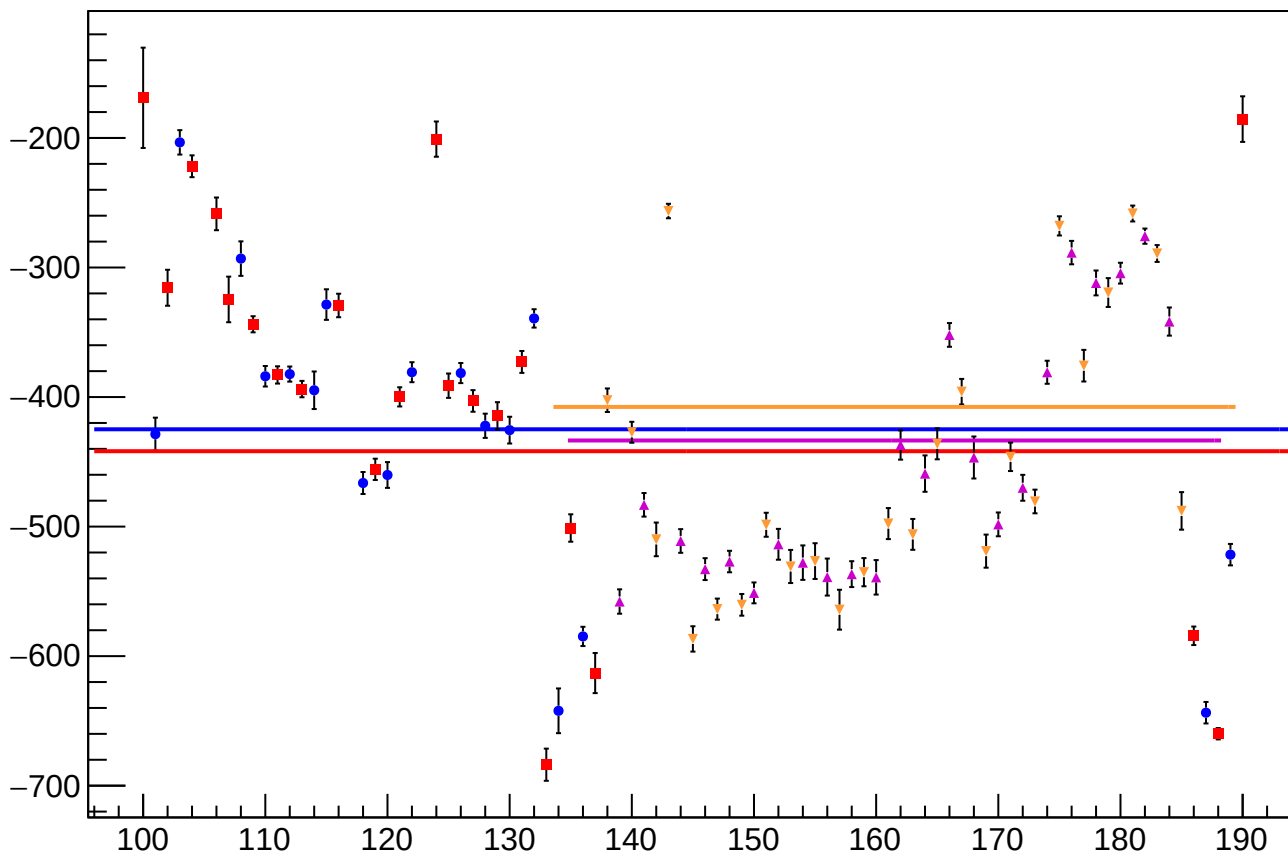
Left In: 0.443 ± 0.015 $\chi^2/\text{NDF}: 53446.3/22$

+ sign 2.010 ± 0.014 $\chi^2/\text{NDF}: 499011.0/42$

All: 1.754 ± 0.010 $\chi^2/\text{NDF}: 1070335.0/87$

- sign 1.491 ± 0.014 $\chi^2/\text{NDF}: 570639.9/44$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -424.887 ± 2.089 χ^2/NDF : 2499.3/17

Left Out: -407.620 ± 1.868 χ^2/NDF : 4005.6/24

Right Out: -441.804 ± 1.837 χ^2/NDF : 5685.5/21

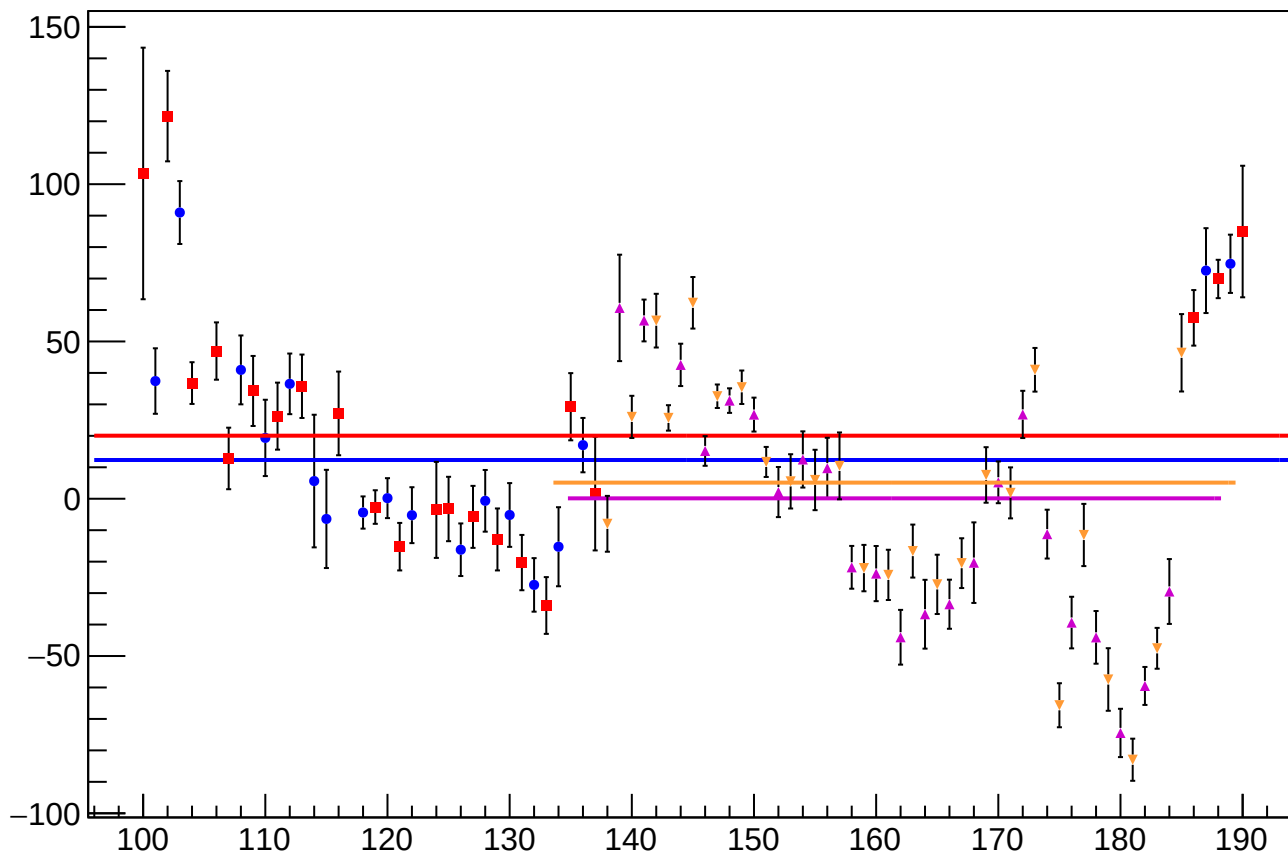
Left In: -433.529 ± 1.993 χ^2/NDF : 2724.5/22

+ sign -415.291 ± 1.392 χ^2/NDF : 6542.9/42

All: -426.991 ± 0.970 χ^2/NDF : 15099.3/87

- sign -438.003 ± 1.351 χ^2/NDF : 8419.4/44

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.314 ± 2.171 $\chi^2/\text{NDF}: 209.5/17$

Left Out: 5.125 ± 1.379 $\chi^2/\text{NDF}: 689.2/24$

Right Out: 20.043 ± 2.003 $\chi^2/\text{NDF}: 293.1/21$

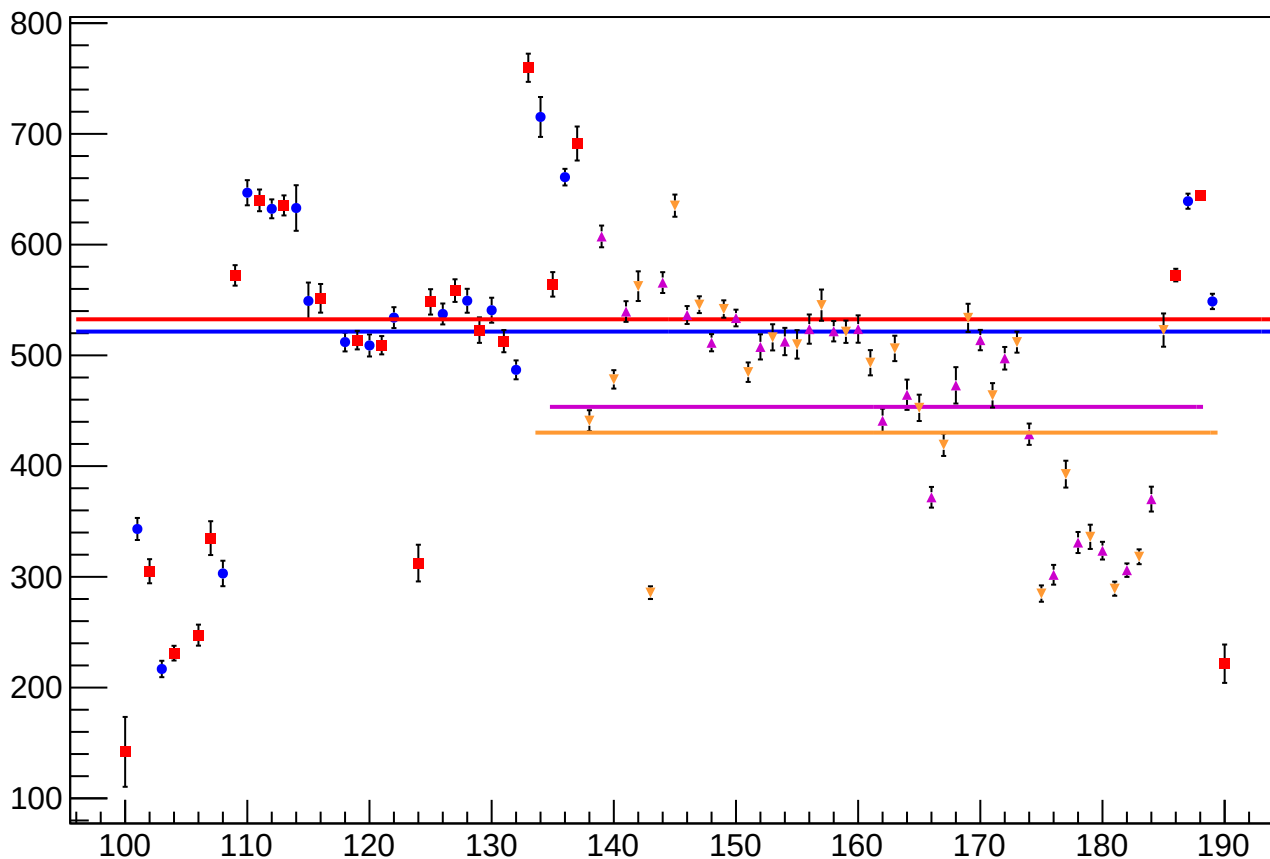
Left In: 0.124 ± 1.489 $\chi^2/\text{NDF}: 568.6/22$

+ sign 7.191 ± 1.164 $\chi^2/\text{NDF}: 906.5/42$

All: 7.203 ± 0.834 $\chi^2/\text{NDF}: 1831.8/87$

- sign 7.214 ± 1.195 $\chi^2/\text{NDF}: 925.3/44$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 521.476 $\pm$ 2.218 χ^2/NDF : 3508.3/17

Left Out: 430.238 $\pm$ 1.861 χ^2/NDF : 3405.1/24

Right Out: 532.567 $\pm$ 1.863 χ^2/NDF : 6003.2/21

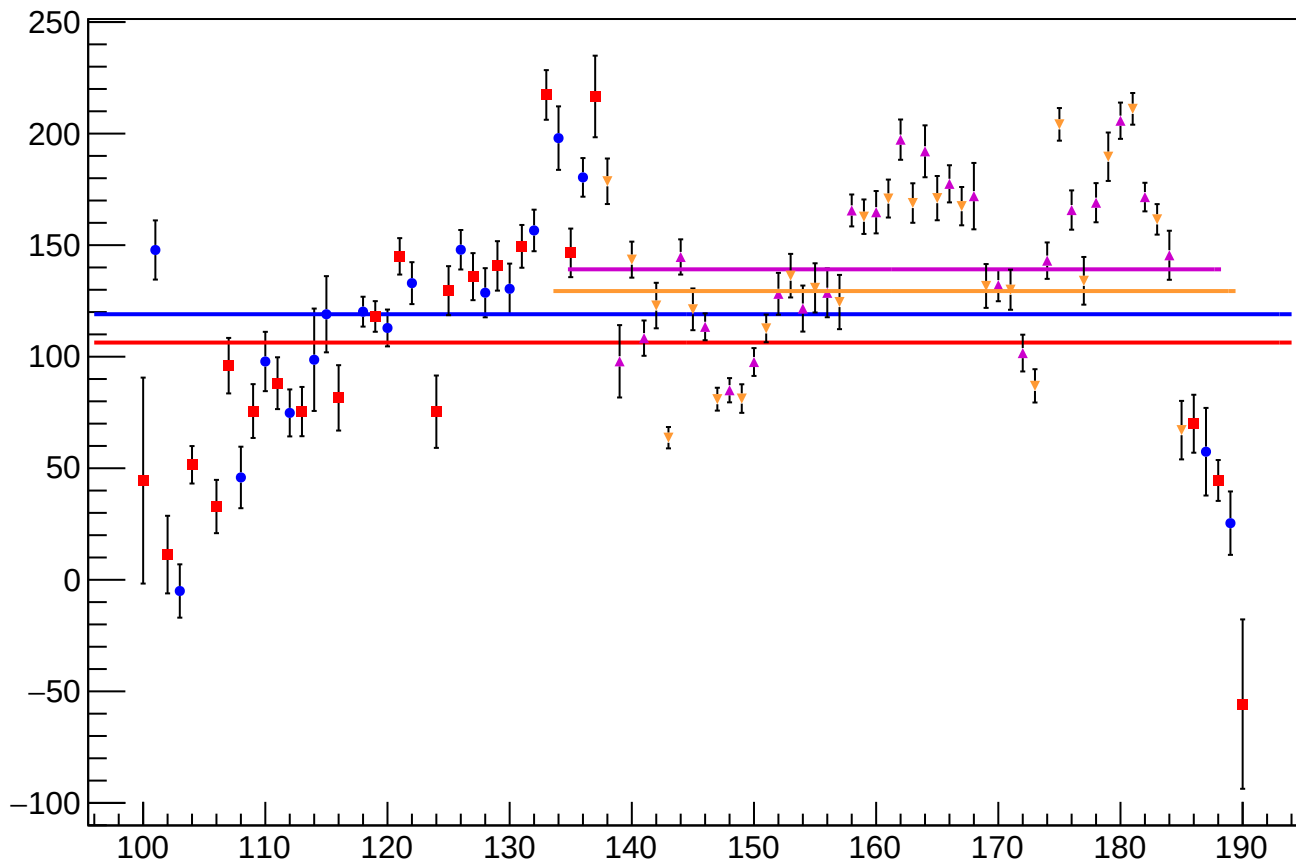
Left In: 453.496 $\pm$ 1.974 χ^2/NDF : 2419.7/22

+ sign 467.941 $\pm$ 1.426 χ^2/NDF : 7906.5/42

All: 482.325 $\pm$ 0.982 χ^2/NDF : 17371.9/87

- sign 495.316 $\pm$ 1.355 χ^2/NDF : 9271.6/44

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 119.041 $\pm$ 2.561 χ^2 /NDF: 327.3/17

Left Out: 129.418 $\pm$ 1.593 χ^2 /NDF: 814.3/24

Right Out: 106.339 $\pm$ 2.405 χ^2 /NDF: 424.7/21

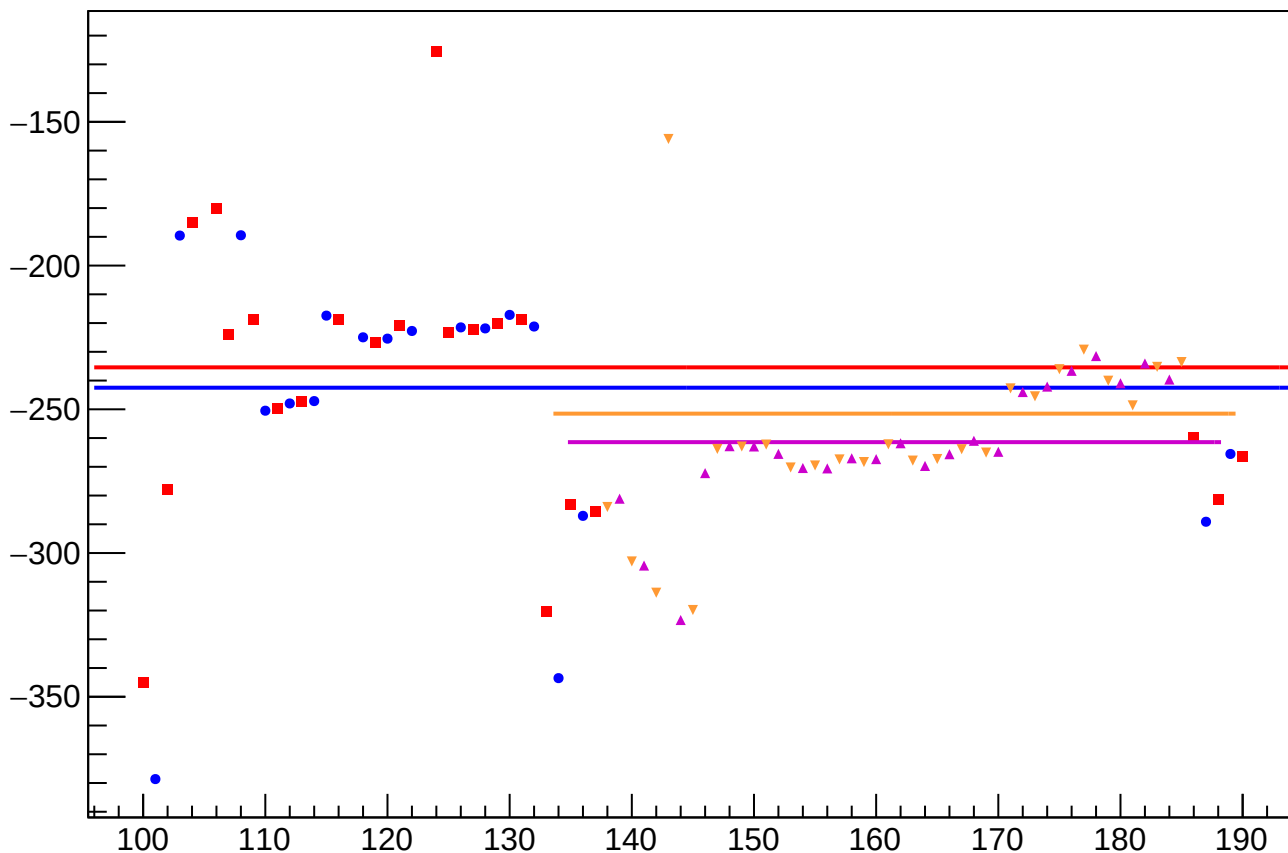
Left In: 139.163 $\pm$ 1.705 χ^2 /NDF: 434.2/22

+ sign 126.524 $\pm$ 1.352 χ^2 /NDF: 1153.4/42

All: 127.331 $\pm$ 0.970 χ^2 /NDF: 2137.0/87

- sign 128.183 $\pm$ 1.391 χ^2 /NDF: 982.9/44

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -242.484 ± 0.146 $\chi^2/\text{NDF}: 137365.5/17$

Left Out: -251.508 ± 0.075 $\chi^2/\text{NDF}: 254924.4/24$

Right Out: -235.407 ± 0.138 $\chi^2/\text{NDF}: 94922.1/21$

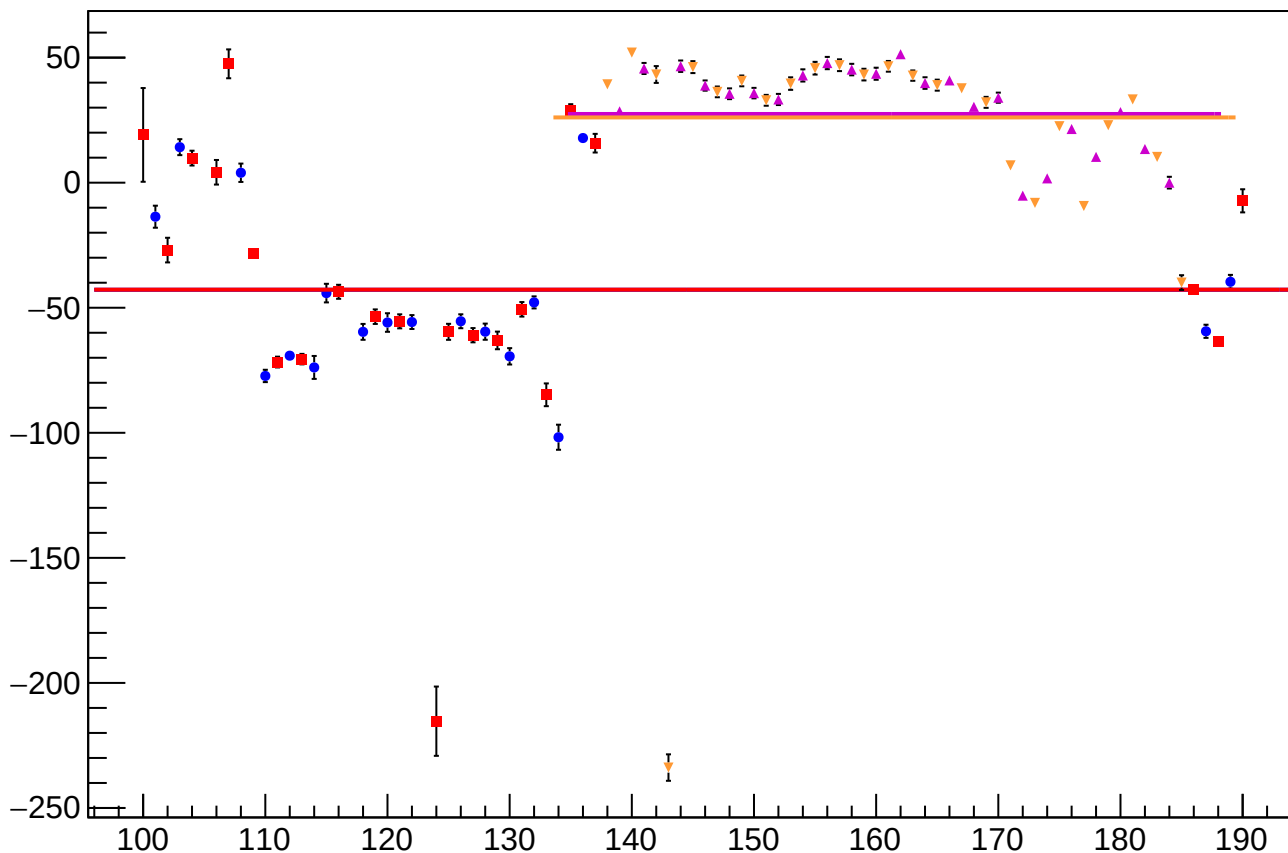
Left In: -261.425 ± 0.078 $\chi^2/\text{NDF}: 69557.7/22$

+ sign -249.632 ± 0.066 $\chi^2/\text{NDF}: 395333.7/42$

All: -252.323 ± 0.047 $\chi^2/\text{NDF}: 590174.9/87$

- sign -255.131 ± 0.068 $\chi^2/\text{NDF}: 191482.6/44$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -42.822 ± 0.676 χ^2/NDF : 2448.6/17

Left Out: 26.087 ± 0.390 χ^2/NDF : 4785.1/24

Right Out: -42.775 ± 0.576 χ^2/NDF : 2753.8/21

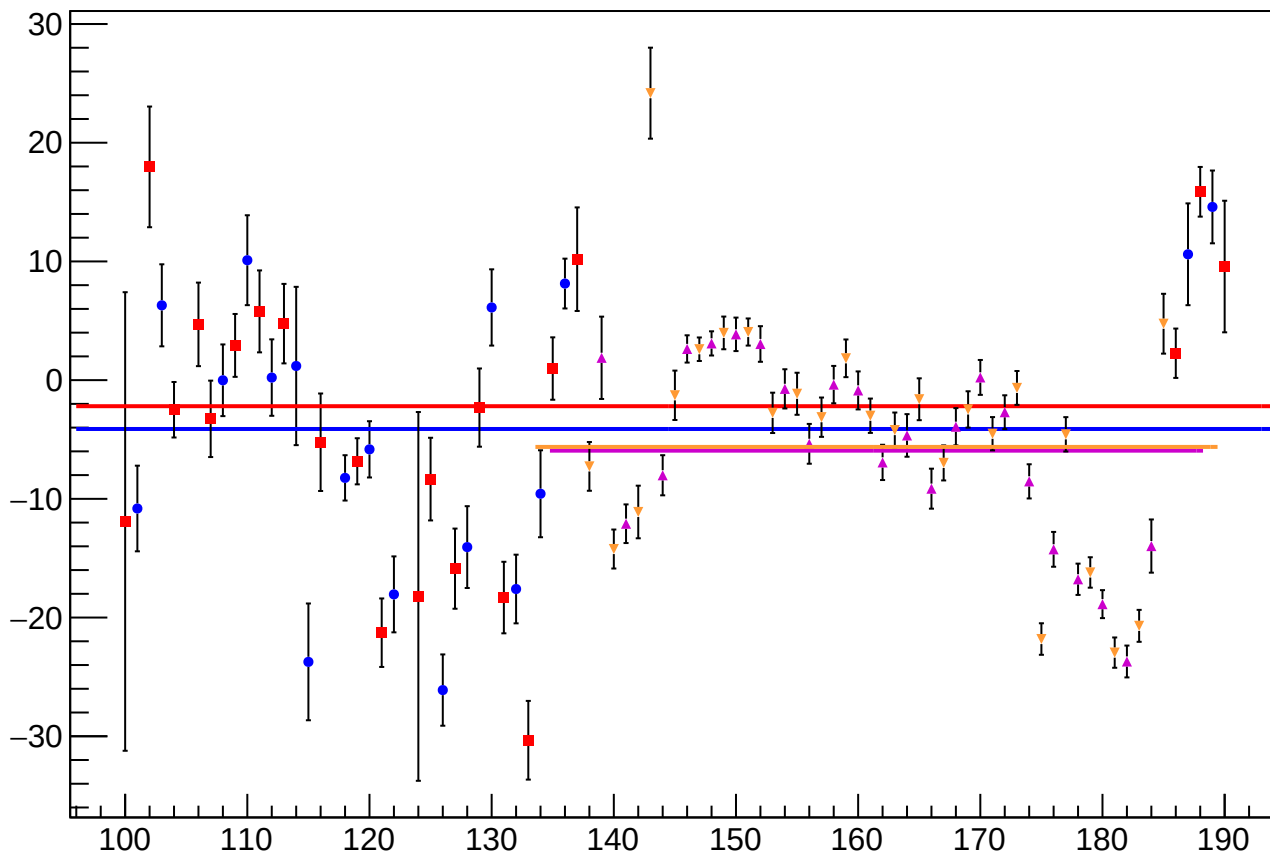
Left In: 27.466 ± 0.396 χ^2/NDF : 1608.9/22

+ sign 8.900 ± 0.338 χ^2/NDF : 15032.8/42

All: 6.843 ± 0.235 χ^2/NDF : 29575.6/87

- sign 4.923 ± 0.326 χ^2/NDF : 14471.1/44

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.115 $\pm$ 0.721 χ^2/NDF : 250.1/17

Left Out: -5.625 $\pm$ 0.302 χ^2/NDF : 893.3/24

Right Out: -2.195 $\pm$ 0.657 χ^2/NDF : 297.7/21

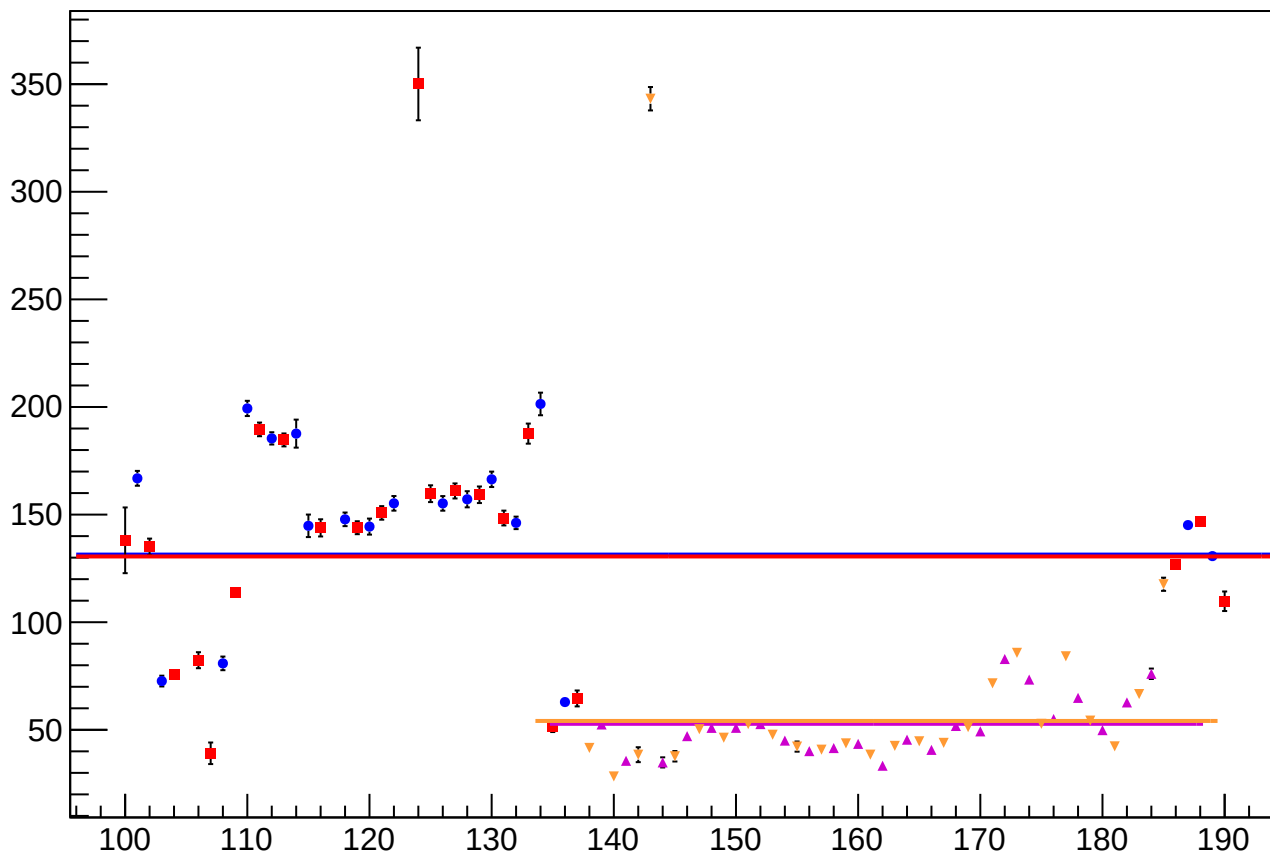
Left In: -5.940 $\pm$ 0.309 χ^2/NDF : 712.2/22

+ sign -5.400 $\pm$ 0.278 χ^2/NDF : 1147.2/42

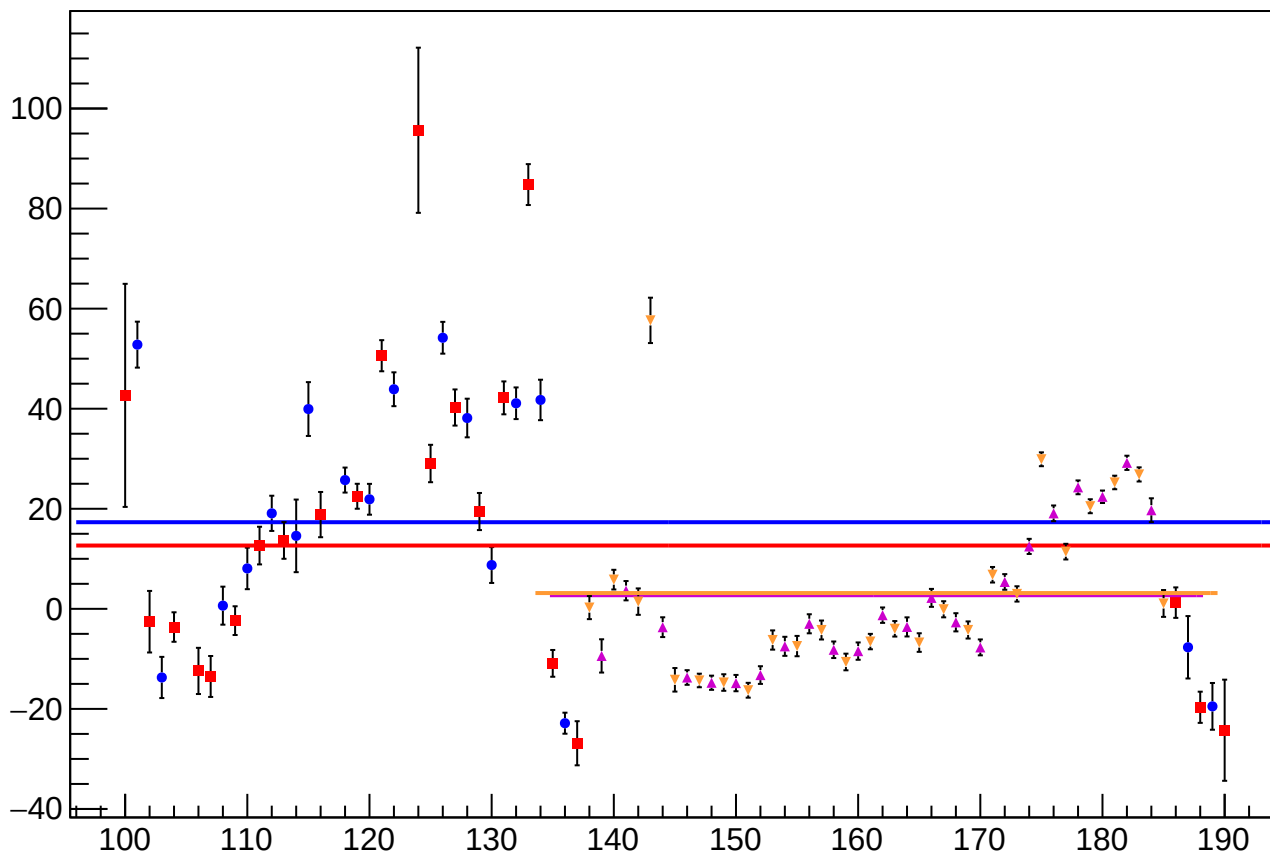
All: -5.331 $\pm$ 0.197 χ^2/NDF : 2183.9/87

- sign -5.261 $\pm$ 0.280 χ^2/NDF : 1036.6/44

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 17.314 $\pm$ 0.838 χ^2/NDF : 940.1/17

Left Out: 3.155 $\pm$ 0.340 χ^2/NDF : 2012.4/24

Right Out: 12.652 $\pm$ 0.786 χ^2/NDF : 1093.6/21

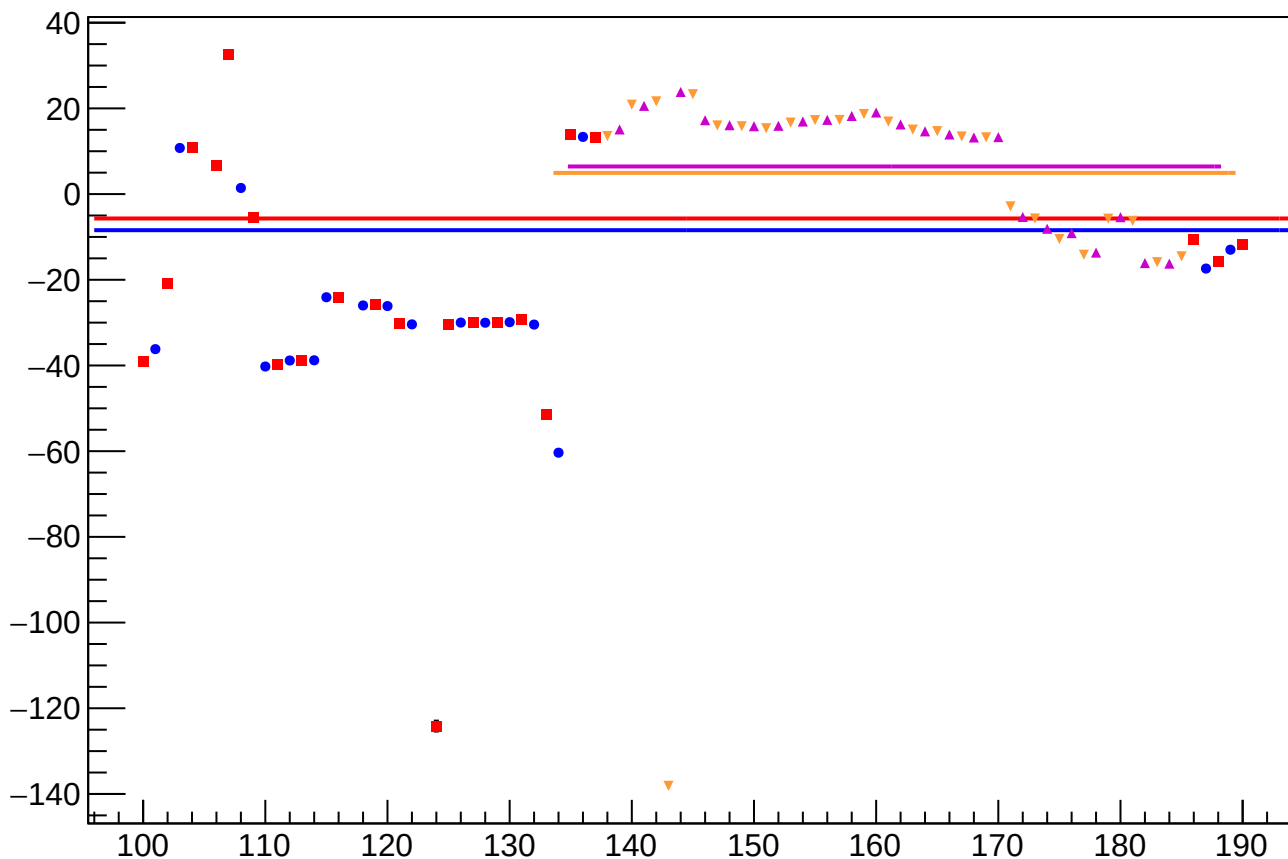
Left In: 2.722 $\pm$ 0.347 χ^2/NDF : 1735.2/22

+ sign 5.155 $\pm$ 0.315 χ^2/NDF : 3197.7/42

All: 4.750 $\pm$ 0.224 χ^2/NDF : 6163.3/87

- sign 4.339 $\pm$ 0.317 χ^2/NDF : 2962.3/44

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.427 ± 0.044 χ^2/NDF : 269129.5/17

Left Out: 4.946 ± 0.015 χ^2/NDF : 1136506.7/24

Right Out: -5.695 ± 0.044 χ^2/NDF : 233975.4/21

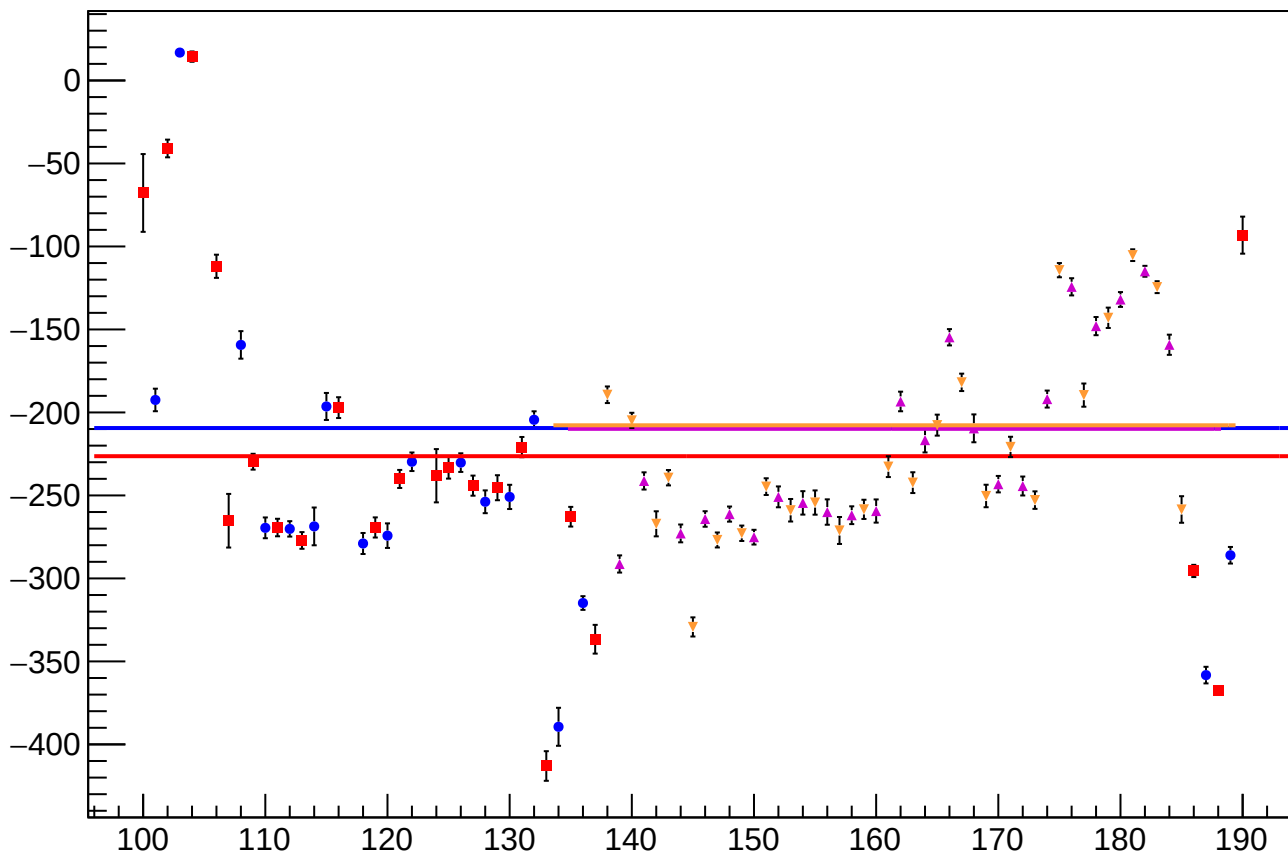
Left In: 6.444 ± 0.015 χ^2/NDF : 729692.1/22

+ sign 3.536 ± 0.014 χ^2/NDF : 1487017.3/42

All: 4.316 ± 0.010 χ^2/NDF : 2525766.5/87

- sign 5.104 ± 0.014 χ^2/NDF : 1032852.0/44

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -209.399 ± 1.316 $\chi^2/\text{NDF}: 8511.6/17$

Left Out: -207.745 ± 1.070 $\chi^2/\text{NDF}: 3487.2/24$

Right Out: -226.361 ± 1.159 $\chi^2/\text{NDF}: 11721.4/21$

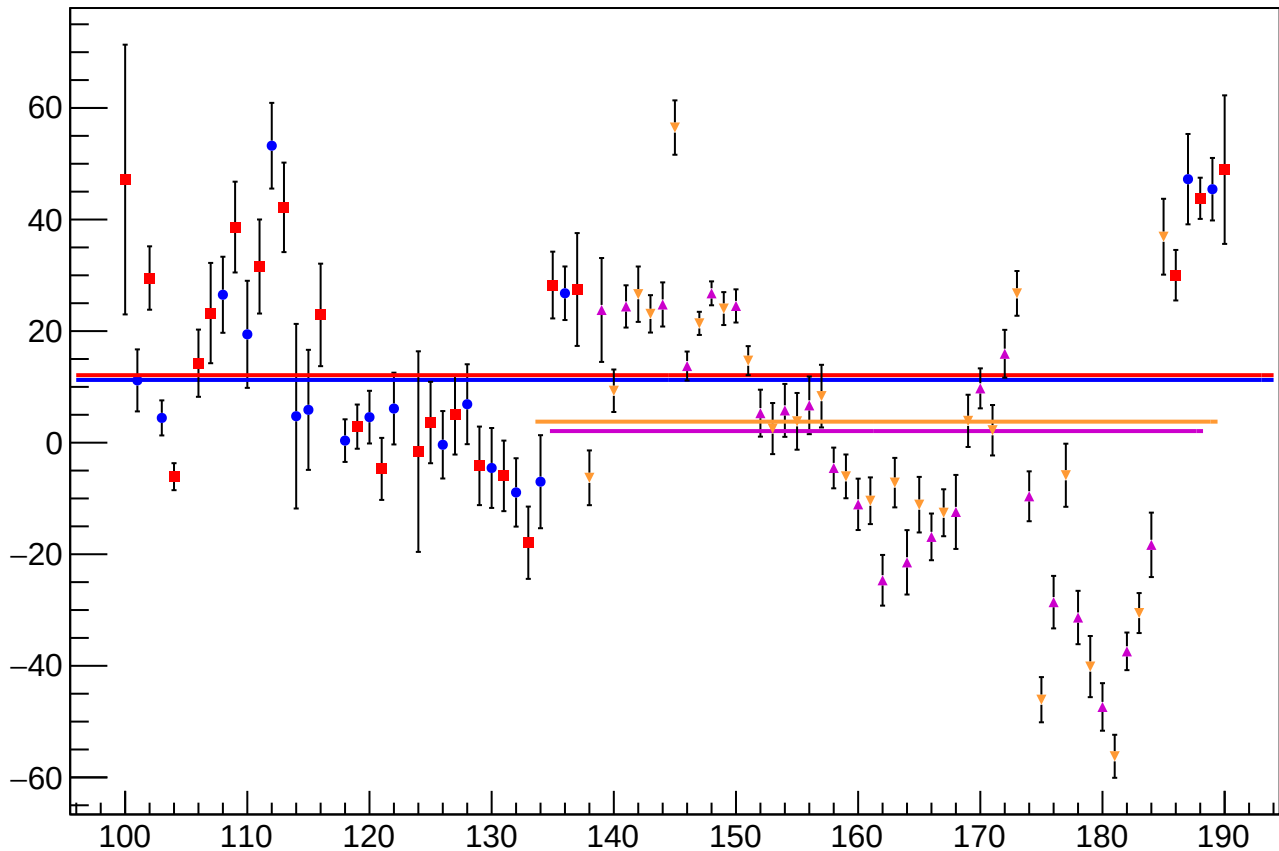
Left In: -209.875 ± 1.101 $\chi^2/\text{NDF}: 3011.9/22$

+ sign -208.402 ± 0.830 $\chi^2/\text{NDF}: 11999.7/42$

All: -213.230 ± 0.575 $\chi^2/\text{NDF}: 26904.4/87$

- sign -217.695 ± 0.798 $\chi^2/\text{NDF}: 14839.6/44$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 11.246 ± 1.373 $\chi^2/\text{NDF}: 143.5/17$

Left Out: 3.770 ± 0.787 $\chi^2/\text{NDF}: 972.1/24$

Right Out: 12.099 ± 1.220 $\chi^2/\text{NDF}: 260.2/21$

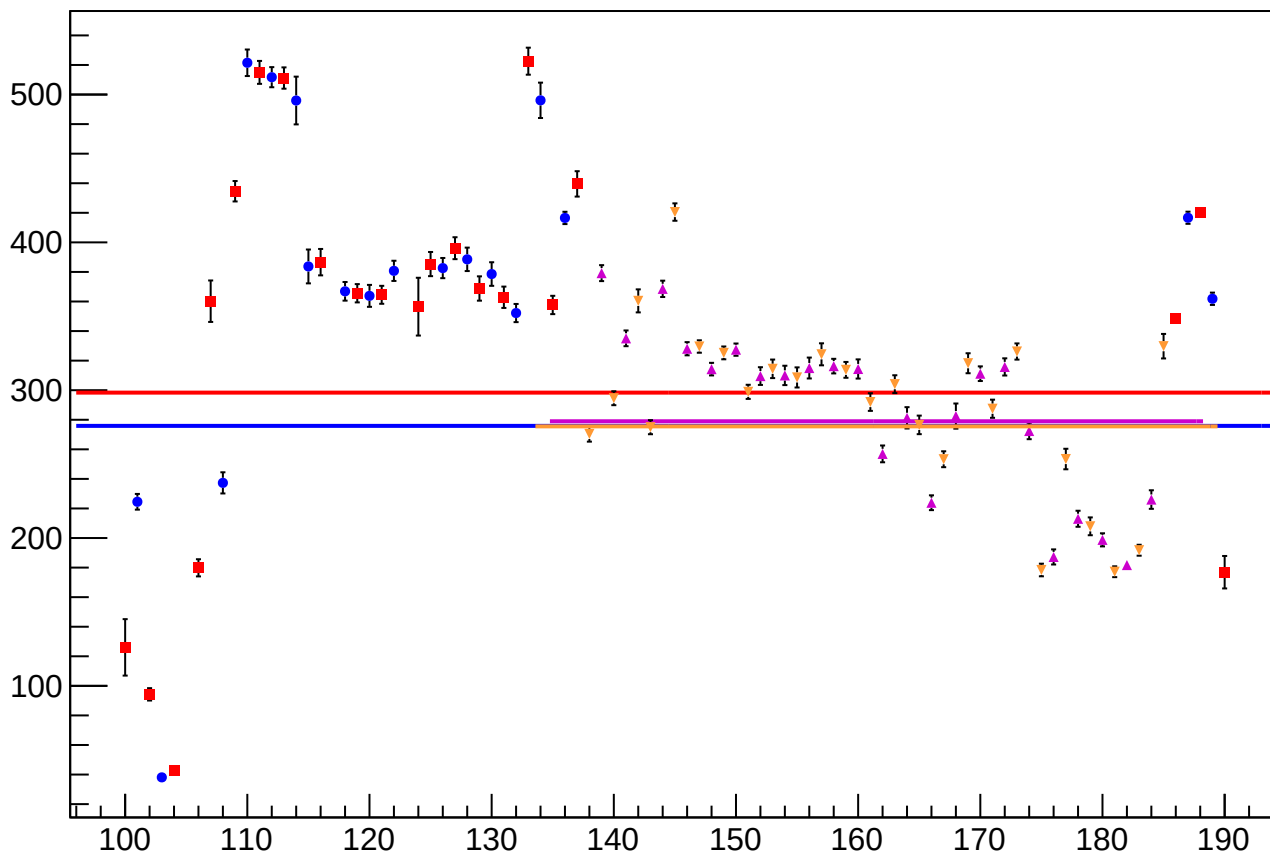
Left In: 2.079 ± 0.820 $\chi^2/\text{NDF}: 770.2/22$

+ sign 5.620 ± 0.683 $\chi^2/\text{NDF}: 1137.9/42$

All: 5.408 ± 0.482 $\chi^2/\text{NDF}: 2215.0/87$

- sign 5.198 ± 0.681 $\chi^2/\text{NDF}: 1076.9/44$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 275.868 ± 1.278 $\chi^2/\text{NDF}: 17265.3/17$

Left Out: 275.536 ± 1.062 $\chi^2/\text{NDF}: 3323.1/24$

Right Out: 298.364 ± 1.087 $\chi^2/\text{NDF}: 21173.2/21$

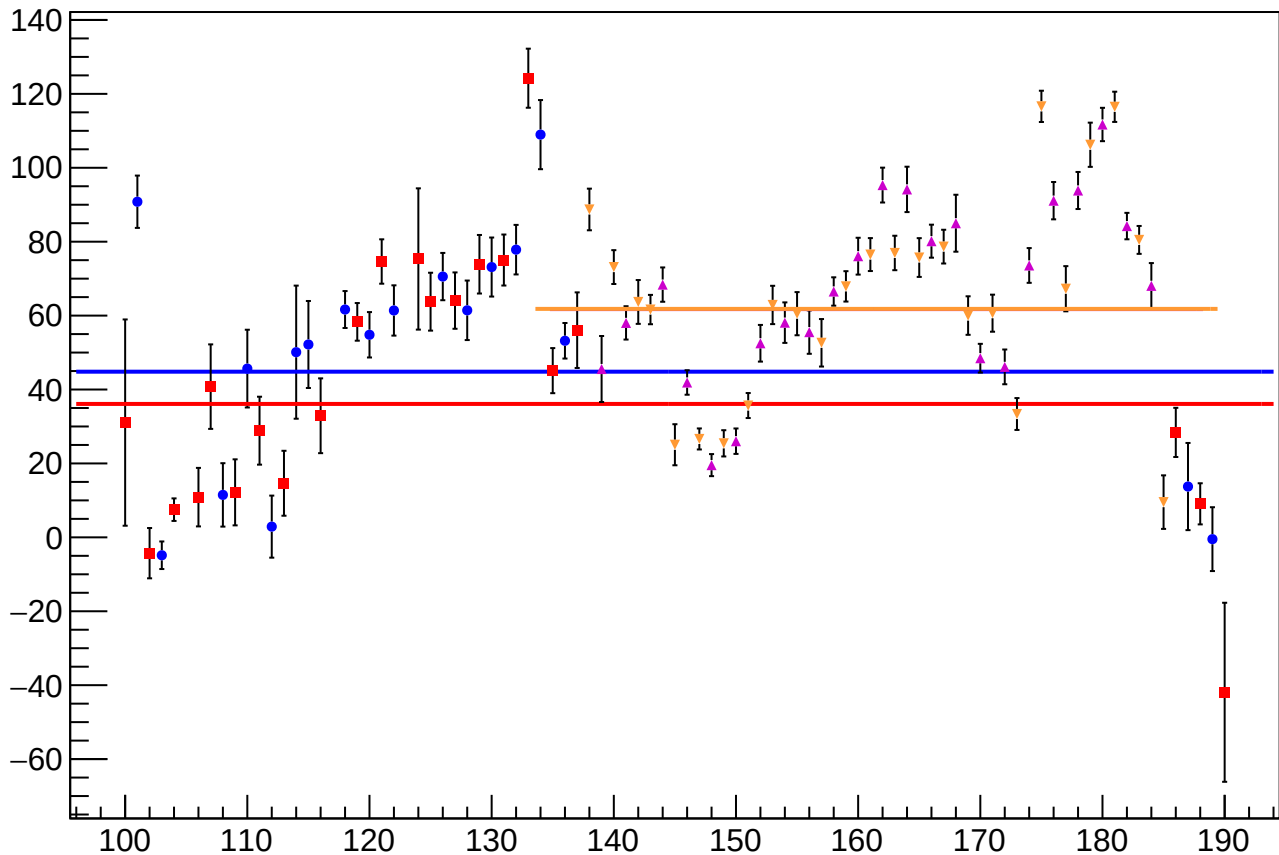
Left In: 278.989 ± 1.089 $\chi^2/\text{NDF}: 3114.7/22$

+ sign 275.672 ± 0.817 $\chi^2/\text{NDF}: 20588.5/42$

All: 282.570 ± 0.560 $\chi^2/\text{NDF}: 45169.5/87$

- sign 288.689 ± 0.769 $\chi^2/\text{NDF}: 24446.4/44$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 44.826 $\pm$ 1.622 χ^2/NDF : 421.7/17

Left Out: 61.818 $\pm$ 0.907 χ^2/NDF : 959.5/24

Right Out: 36.100 $\pm$ 1.492 χ^2/NDF : 455.3/21

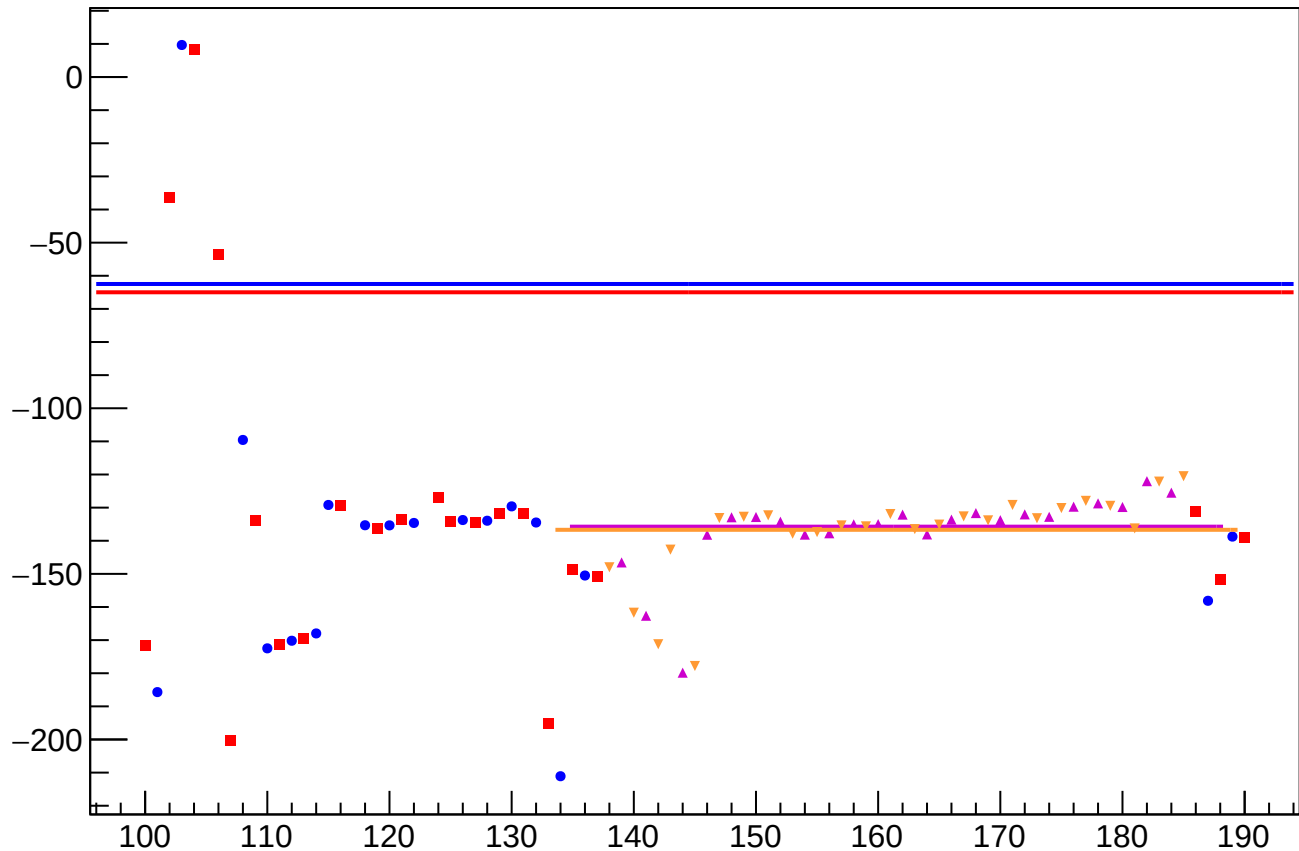
Left In: 61.763 $\pm$ 0.939 χ^2/NDF : 736.0/22

+ sign 57.766 $\pm$ 0.792 χ^2/NDF : 1464.8/42

All: 56.131 $\pm$ 0.561 χ^2/NDF : 2876.6/87

- sign 54.486 $\pm$ 0.794 χ^2/NDF : 1403.3/44

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -62.480 ± 0.071 $\chi^2/\text{NDF}: 1284675.0/17$

Left Out: -136.695 ± 0.042 $\chi^2/\text{NDF}: 79006.9/24$

Right Out: -64.987 ± 0.071 $\chi^2/\text{NDF}: 991845.7/21$

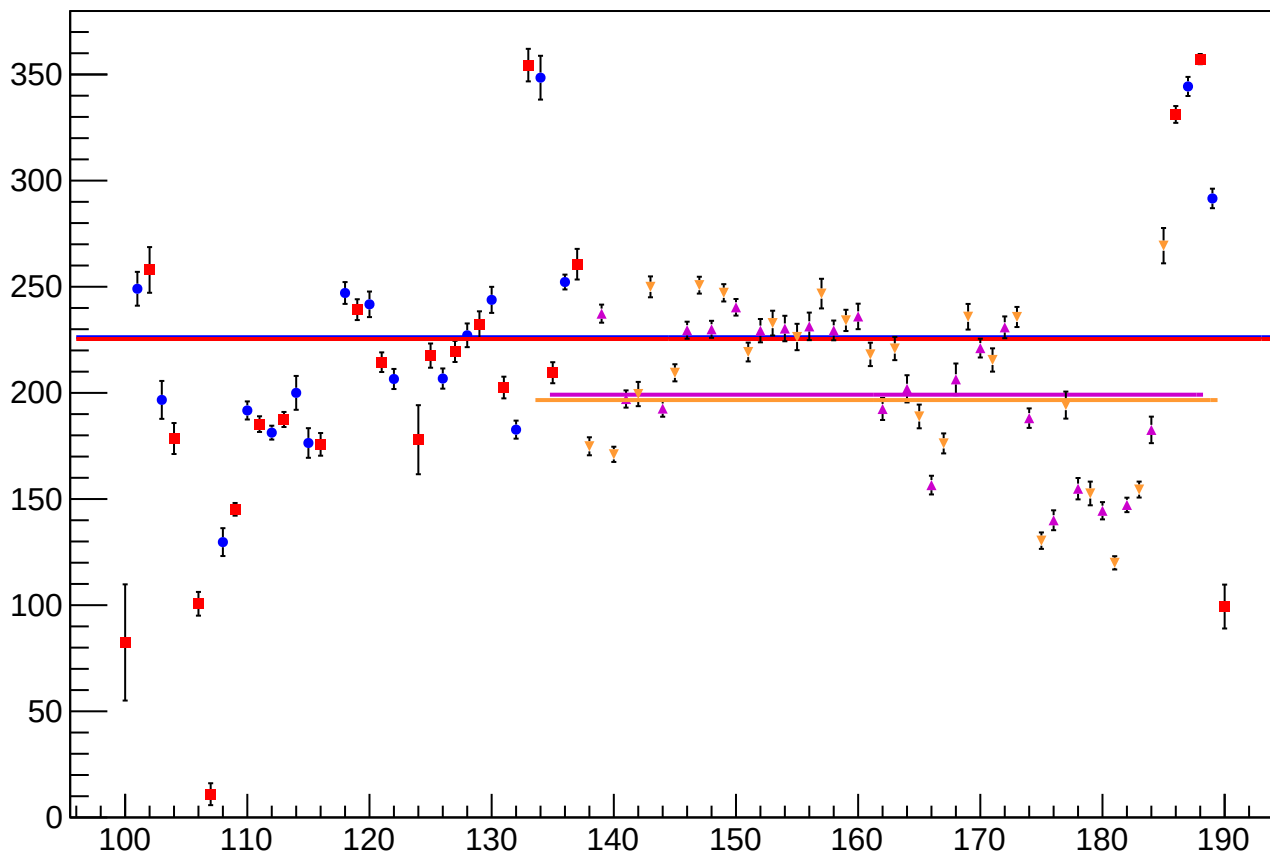
Left In: -135.745 ± 0.043 $\chi^2/\text{NDF}: 63681.9/22$

+ sign -117.326 ± 0.036 $\chi^2/\text{NDF}: 2169089.3/42$

All: -117.110 ± 0.026 $\chi^2/\text{NDF}: 3952816.5/87$

- sign -116.891 ± 0.037 $\chi^2/\text{NDF}: 1783656.3/44$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 226.220 ± 1.202 $\chi^2/\text{NDF}: 1810.0/17$

Left Out: 196.615 ± 0.946 $\chi^2/\text{NDF}: 2075.5/24$

Right Out: 225.386 ± 1.026 $\chi^2/\text{NDF}: 7606.7/21$

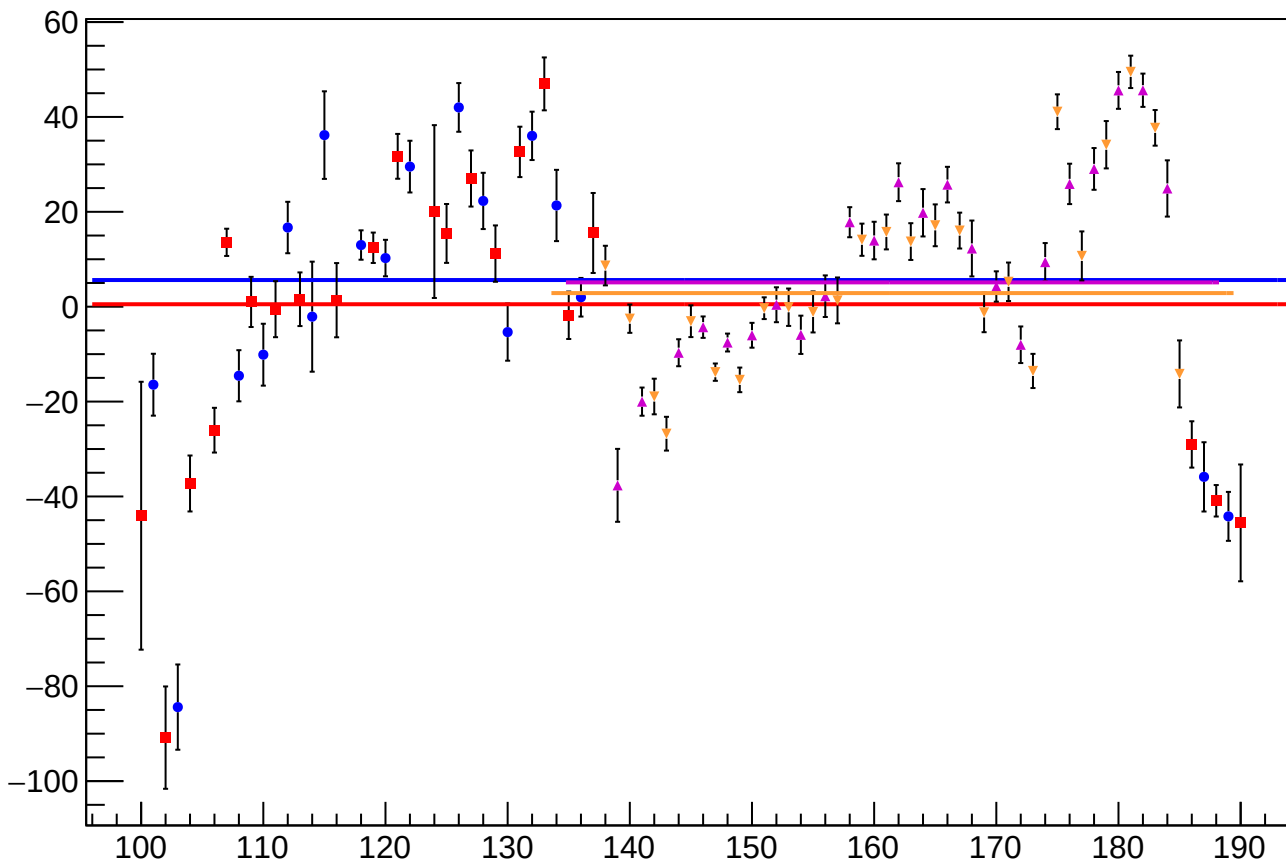
Left In: 199.153 ± 0.973 $\chi^2/\text{NDF}: 1294.6/22$

+ sign 207.947 ± 0.743 $\chi^2/\text{NDF}: 4260.1/42$

All: 209.851 ± 0.512 $\chi^2/\text{NDF}: 13518.0/87$

- sign 211.568 ± 0.706 $\chi^2/\text{NDF}: 9245.5/44$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.620 ± 1.271 $\chi^2/\text{NDF}: 401.3/17$

Left Out: 2.870 ± 0.693 $\chi^2/\text{NDF}: 752.8/24$

Right Out: 0.519 ± 1.114 $\chi^2/\text{NDF}: 571.2/21$

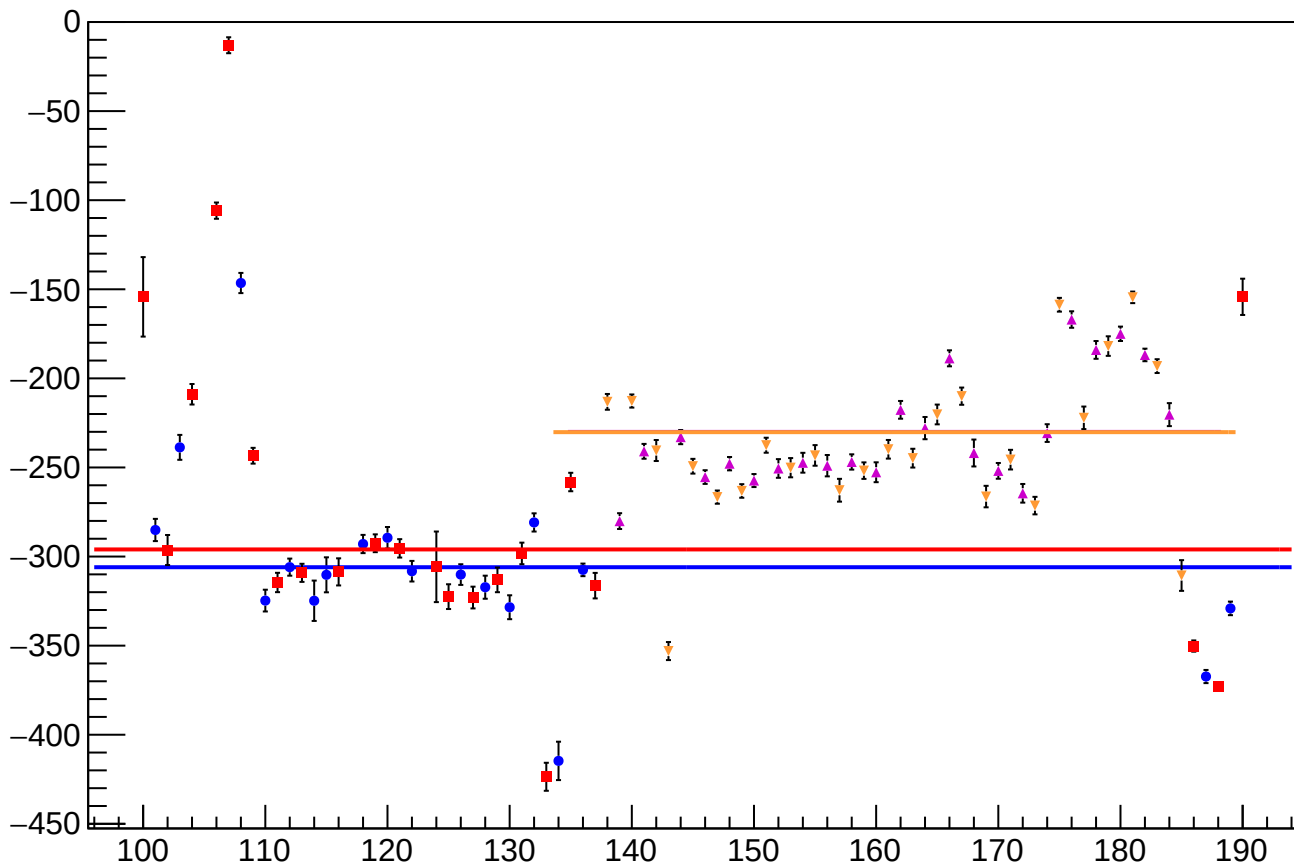
Left In: 5.126 ± 0.718 $\chi^2/\text{NDF}: 628.6/22$

+ sign 3.501 ± 0.608 $\chi^2/\text{NDF}: 1157.7/42$

All: 3.638 ± 0.428 $\chi^2/\text{NDF}: 2369.7/87$

- sign 3.774 ± 0.603 $\chi^2/\text{NDF}: 1211.8/44$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -305.986 ± 1.284 $\chi^2/\text{NDF}: 1376.1/17$

Left Out: -230.182 ± 0.939 $\chi^2/\text{NDF}: 2181.9/24$

Right Out: -296.004 ± 1.045 $\chi^2/\text{NDF}: 8611.7/21$

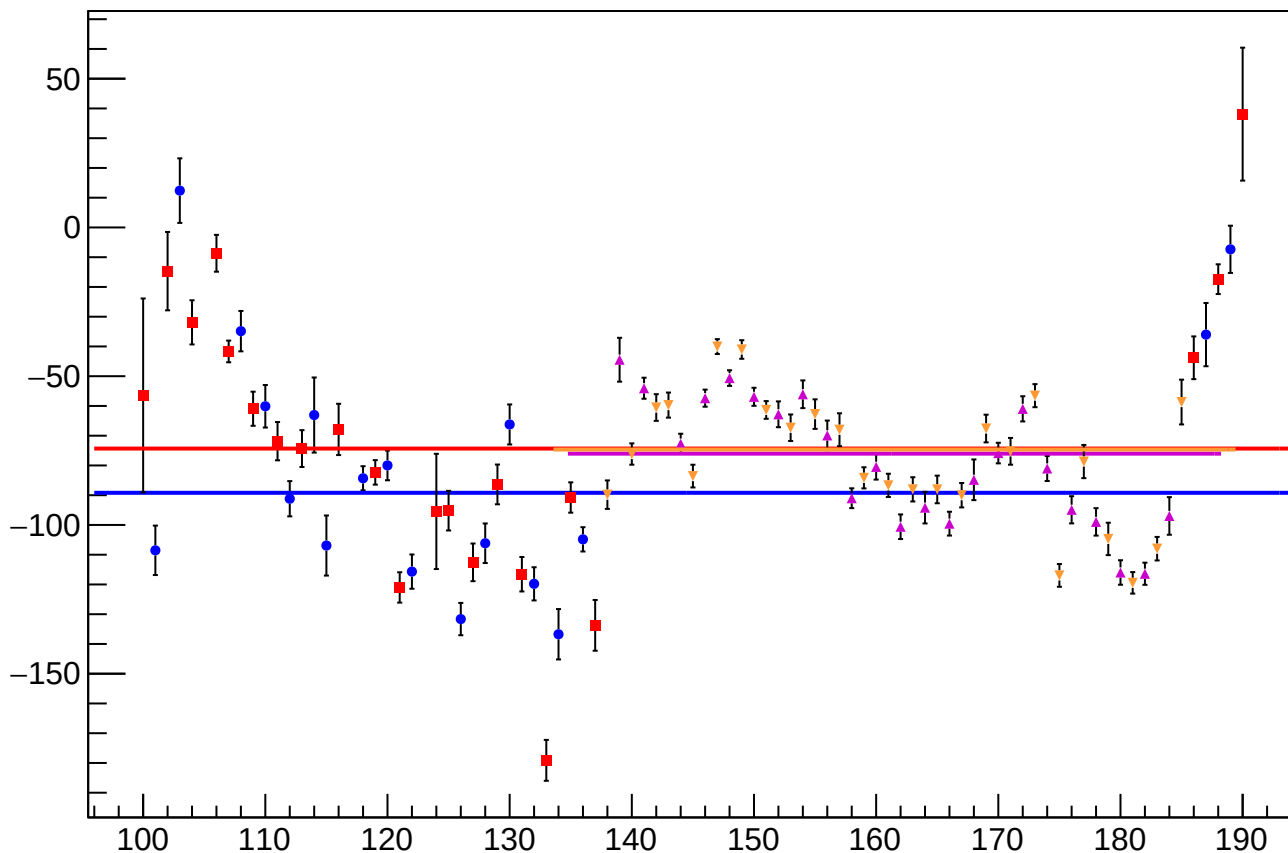
Left In: -230.047 ± 0.961 $\chi^2/\text{NDF}: 1094.0/22$

+ sign -256.596 ± 0.758 $\chi^2/\text{NDF}: 5828.9/42$

All: -258.552 ± 0.517 $\chi^2/\text{NDF}: 17704.7/87$

- sign -260.256 ± 0.707 $\chi^2/\text{NDF}: 11863.3/44$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -89.190 ± 1.492 $\chi^2/\text{NDF}: 494.0/17$

Left Out: -74.644 ± 0.801 $\chi^2/\text{NDF}: 831.0/24$

Right Out: -74.320 ± 1.343 $\chi^2/\text{NDF}: 907.7/21$

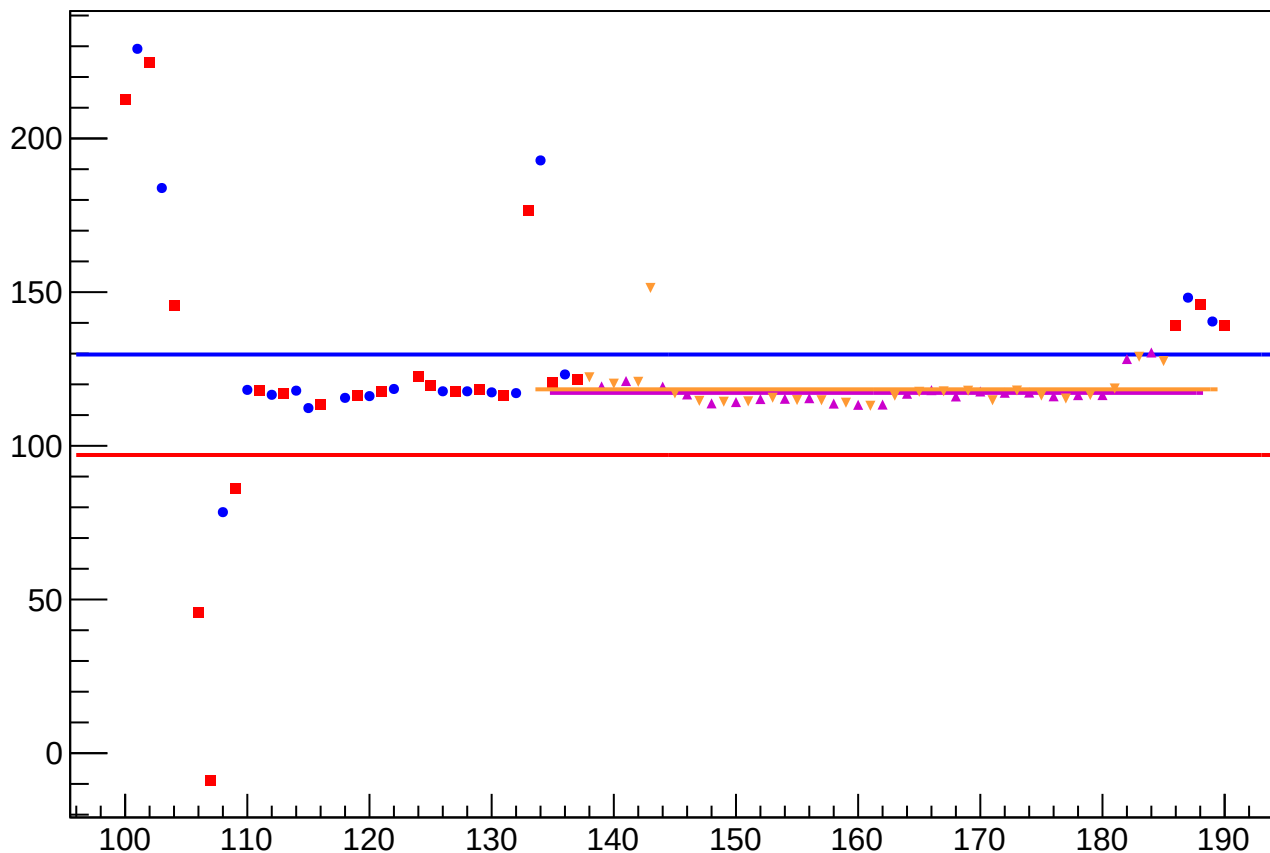
Left In: -76.025 ± 0.824 $\chi^2/\text{NDF}: 646.0/22$

+ sign -77.898 ± 0.705 $\chi^2/\text{NDF}: 1398.9/42$

All: -76.723 ± 0.498 $\chi^2/\text{NDF}: 2959.3/87$

- sign -75.559 ± 0.702 $\chi^2/\text{NDF}: 1554.9/44$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 129.710 $\pm$ 0.086 χ^2 /NDF: 185398.7/17

Left Out: 118.382 $\pm$ 0.037 χ^2 /NDF: 34938.1/24

Right Out: 97.019 $\pm$ 0.075 χ^2 /NDF: 652589.7/21

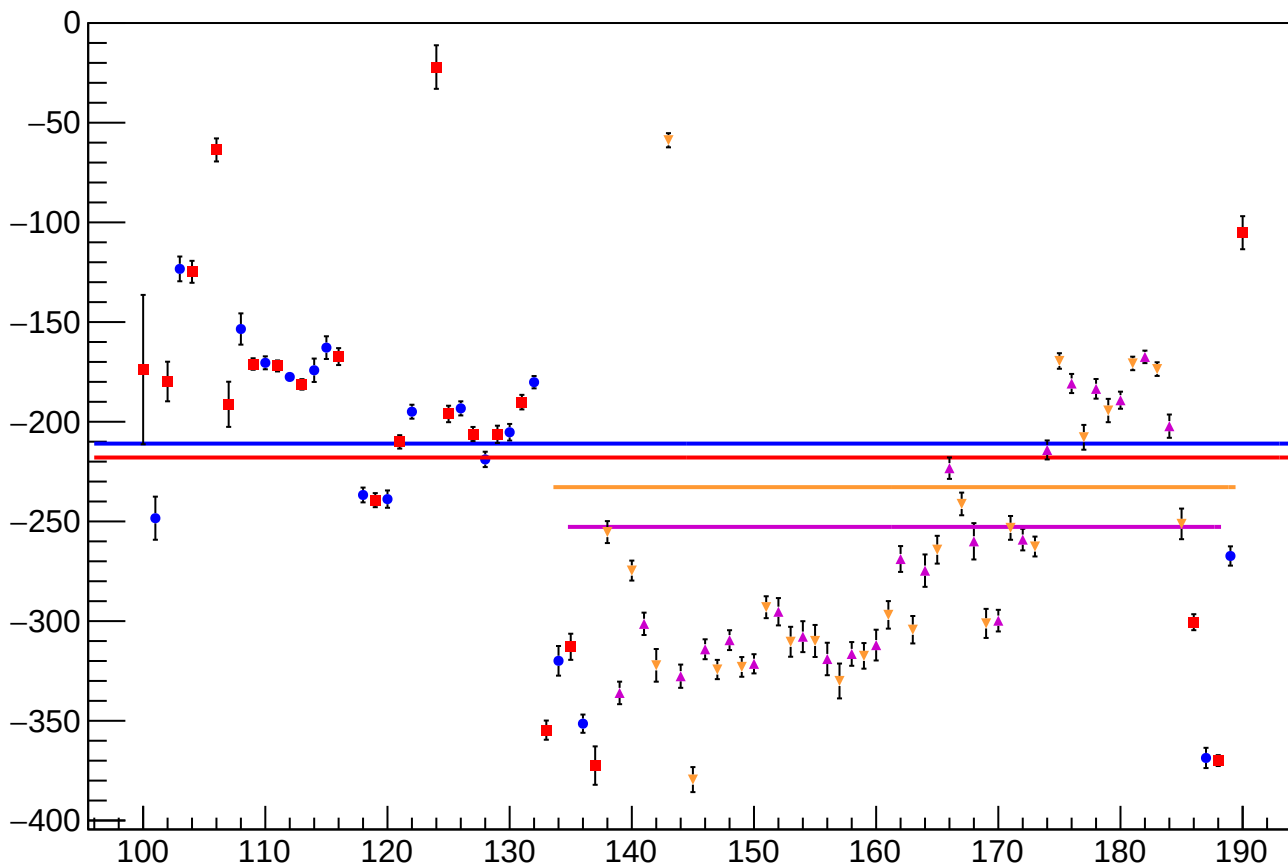
Left In: 117.225 $\pm$ 0.038 χ^2 /NDF: 10227.9/22

+ sign 120.176 $\pm$ 0.034 χ^2 /NDF: 234964.4/42

All: 116.596 $\pm$ 0.024 χ^2 /NDF: 977686.2/87

- sign 113.141 $\pm$ 0.034 χ^2 /NDF: 721180.8/44

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -210.960 ± 0.983 $\chi^2/\text{NDF}: 3216.4/17$

Left Out: -232.800 ± 1.072 $\chi^2/\text{NDF}: 5764.0/24$

Right Out: -217.937 ± 0.889 $\chi^2/\text{NDF}: 7343.1/21$

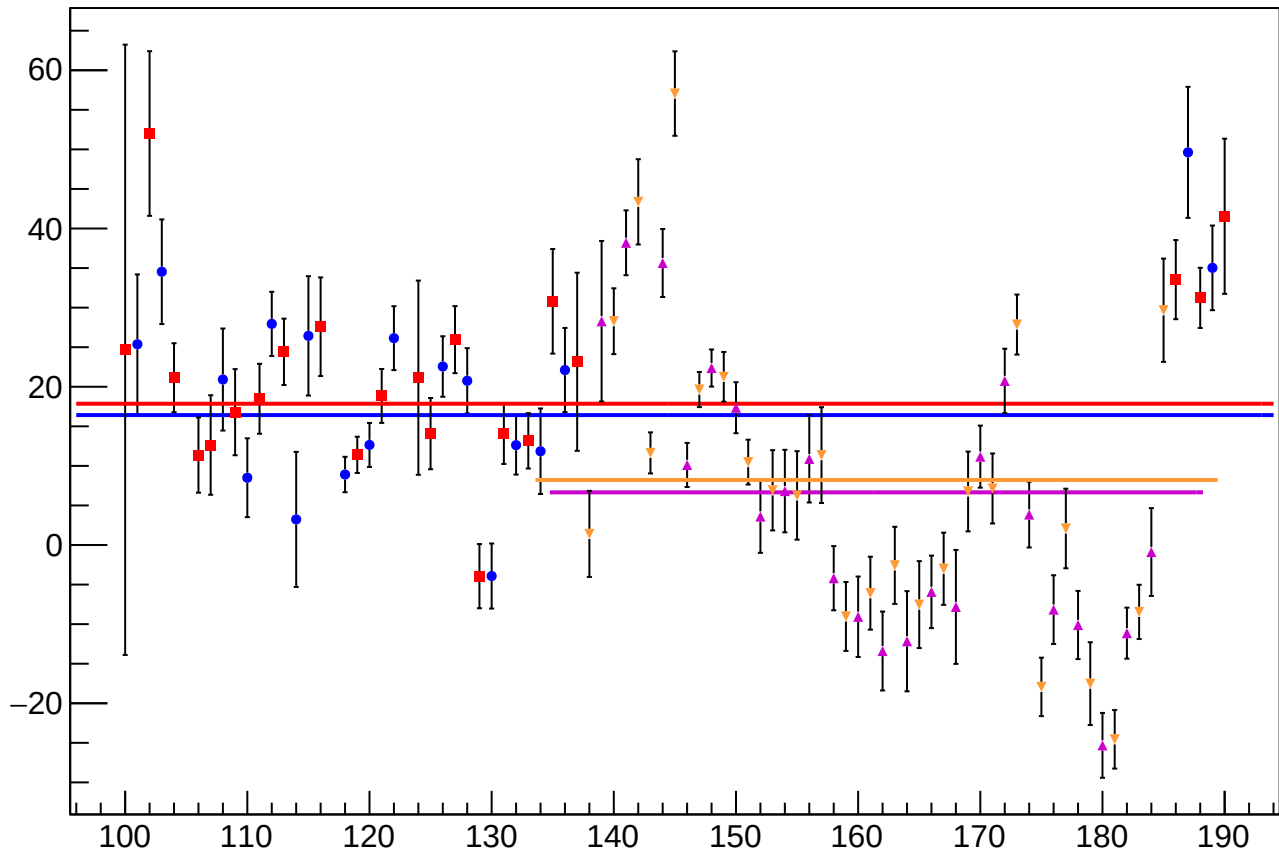
Left In: -252.738 ± 1.131 $\chi^2/\text{NDF}: 2913.9/22$

+ sign -220.935 ± 0.724 $\chi^2/\text{NDF}: 9205.9/42$

All: -226.270 ± 0.503 $\chi^2/\text{NDF}: 20152.8/87$

- sign -231.236 ± 0.699 $\chi^2/\text{NDF}: 10842.2/44$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.420 ± 1.020 χ^2/NDF : 101.9/17

Left Out: 8.222 ± 0.803 χ^2/NDF : 457.9/24

Right Out: 17.856 ± 0.976 χ^2/NDF : 95.0/21

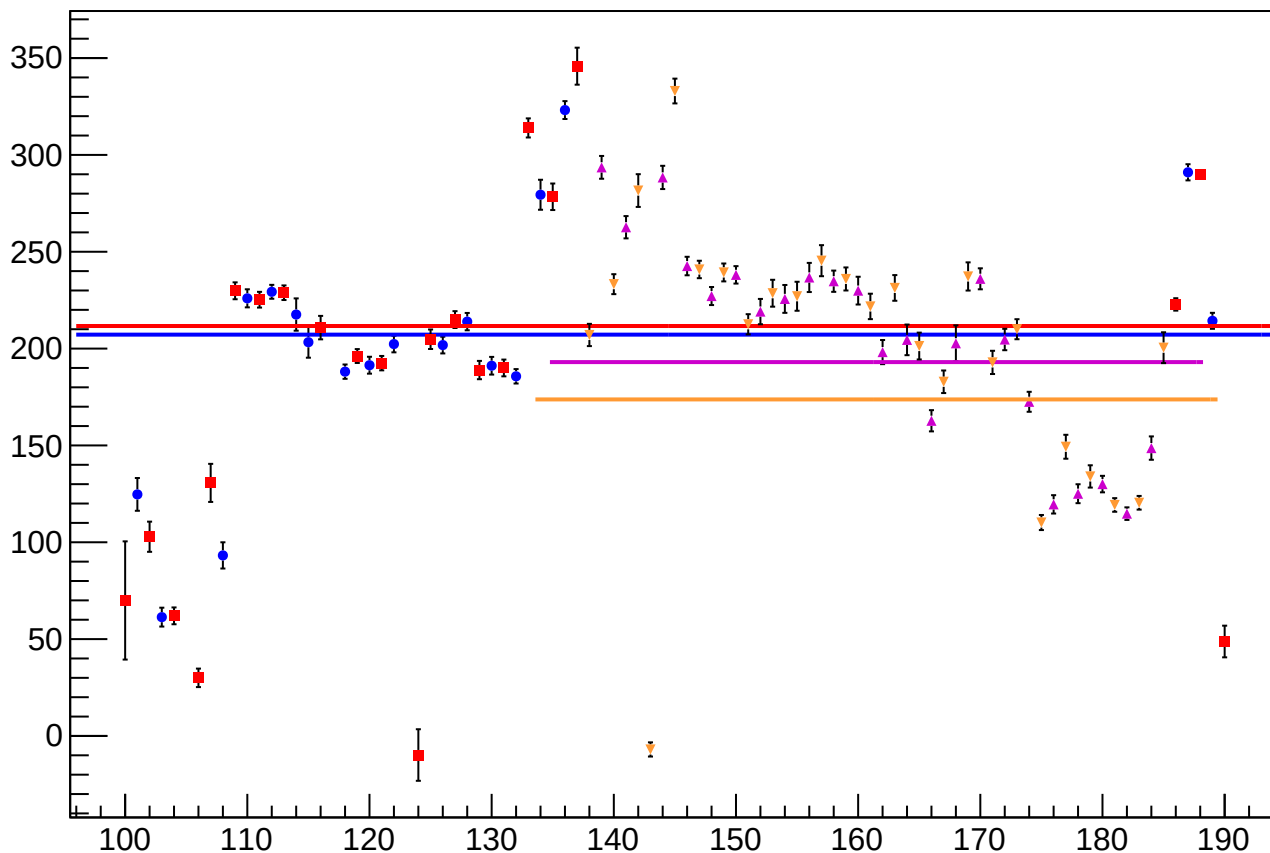
Left In: 6.657 ± 0.858 χ^2/NDF : 354.8/22

+ sign 11.357 ± 0.631 χ^2/NDF : 599.7/42

All: 11.447 ± 0.451 χ^2/NDF : 1123.8/87

- sign 11.540 ± 0.645 χ^2/NDF : 524.1/44

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 207.202 +/- 1.107 χ^2/NDF : 2547.2/17

Left Out: 173.752 +/- 1.069 χ^2/NDF : 5260.7/24

Right Out: 211.659 +/- 0.965 χ^2/NDF : 5730.8/21

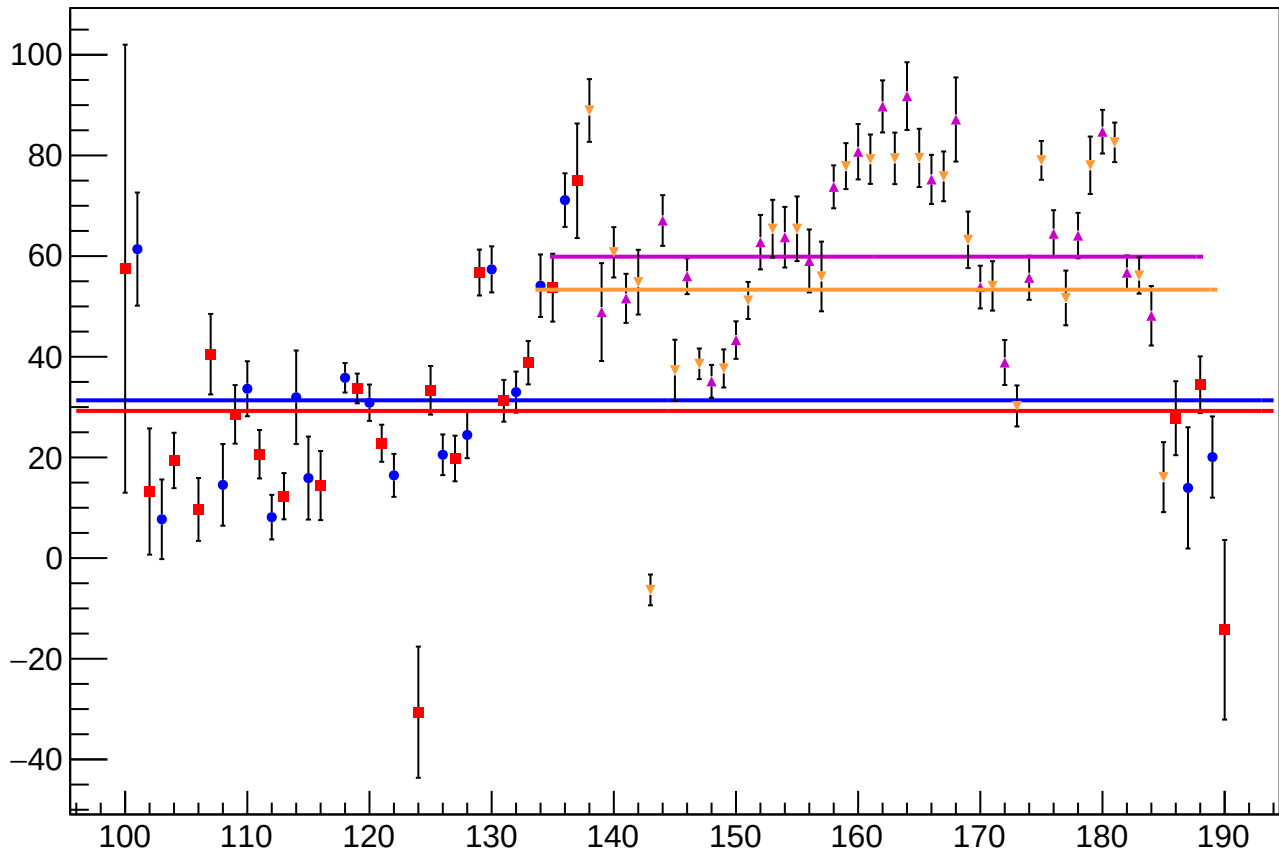
Left In: 193.026 +/- 1.122 χ^2/NDF : 2512.0/22

+ sign 189.881 +/- 0.769 χ^2/NDF : 8280.4/42

All: 197.152 +/- 0.530 χ^2/NDF : 16852.1/87

- sign 203.735 +/- 0.732 χ^2/NDF : 8401.4/44

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.349 $\pm$ 1.197 χ^2 /NDF: 181.2/17

Left Out: 53.331 $\pm$ 0.922 χ^2 /NDF: 778.9/24

Right Out: 29.246 $\pm$ 1.153 χ^2 /NDF: 147.7/21

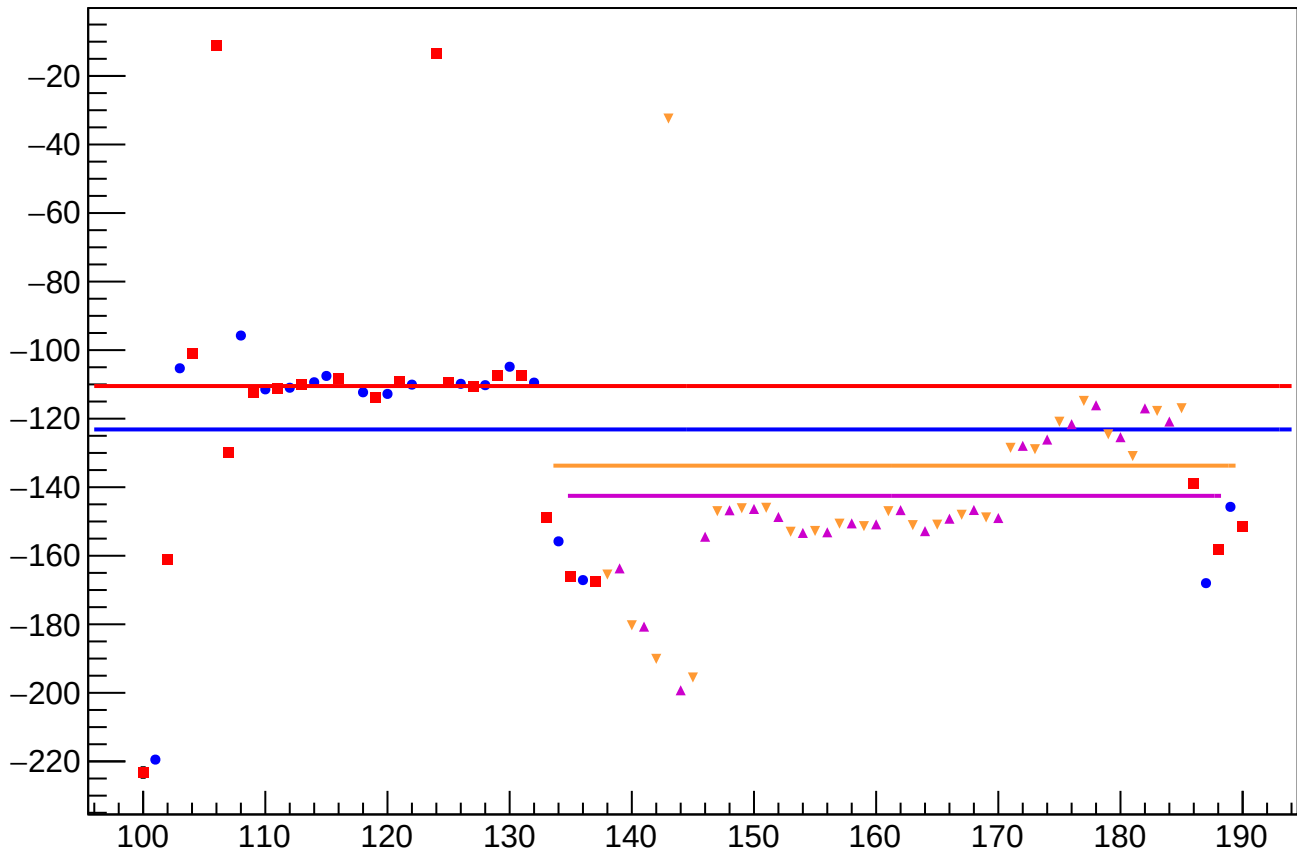
Left In: 59.887 $\pm$ 0.977 χ^2 /NDF: 251.2/22

+ sign 45.149 $\pm$ 0.730 χ^2 /NDF: 1171.8/42

All: 46.099 $\pm$ 0.522 χ^2 /NDF: 1985.1/87

- sign 47.089 $\pm$ 0.745 χ^2 /NDF: 809.8/44

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -123.144 ± 0.077 χ^2/NDF : 128965.0/17

Left Out: -133.709 ± 0.043 χ^2/NDF : 675925.6/24

Right Out: -110.481 ± 0.071 χ^2/NDF : 397570.9/21

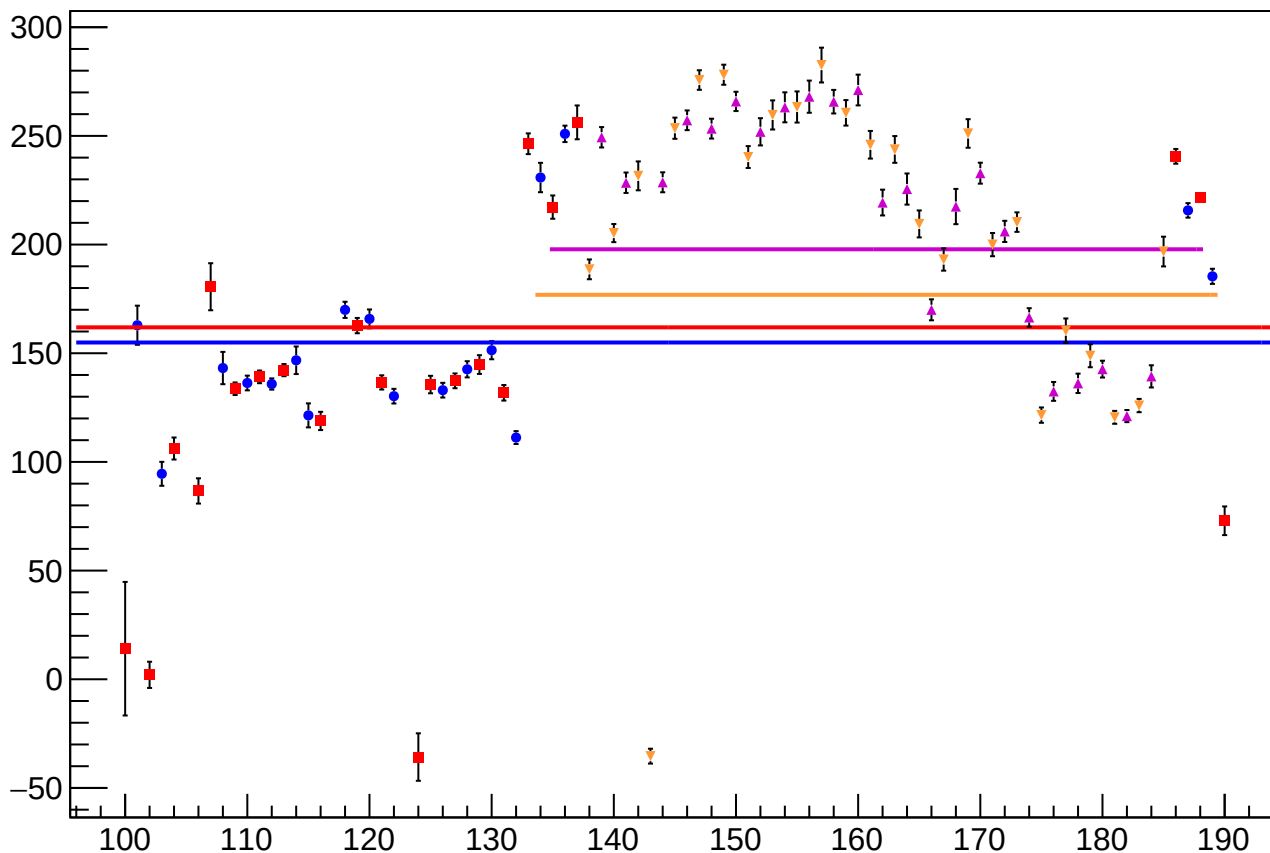
Left In: -142.518 ± 0.044 χ^2/NDF : 178481.1/22

+ sign -131.194 ± 0.037 χ^2/NDF : 819376.4/42

All: -132.329 ± 0.027 χ^2/NDF : 1544086.5/87

- sign -133.479 ± 0.038 χ^2/NDF : 722854.5/44

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 154.942 $\pm$ 0.926 χ^2 /NDF: 1775.1/17

Left Out: 176.884 $\pm$ 0.958 χ^2 /NDF: 7424.8/24

Right Out: 161.913 $\pm$ 0.814 χ^2 /NDF: 4310.2/21

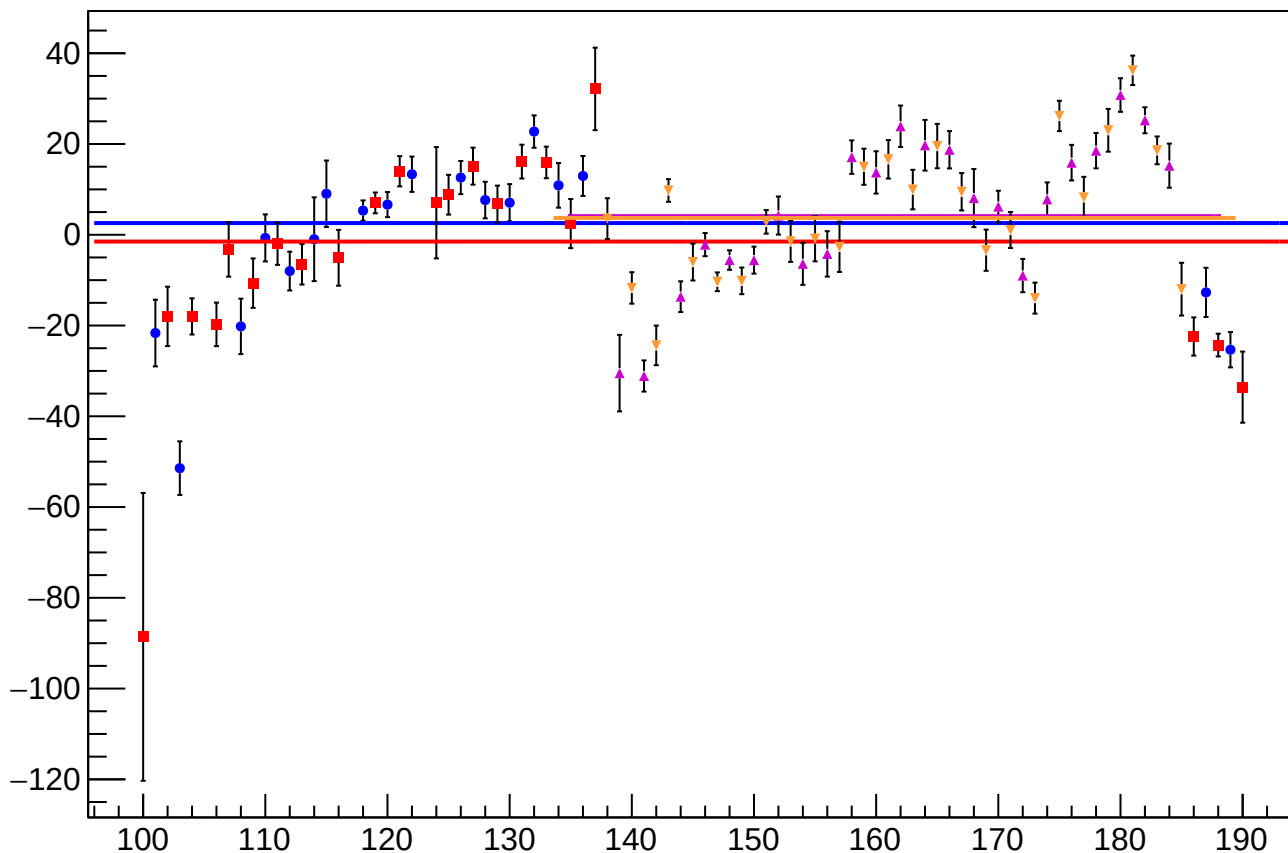
Left In: 197.829 $\pm$ 1.006 χ^2 /NDF: 2968.0/22

+ sign 165.546 $\pm$ 0.666 χ^2 /NDF: 9471.2/42

All: 171.101 $\pm$ 0.459 χ^2 /NDF: 17652.2/87

- sign 176.120 $\pm$ 0.633 χ^2 /NDF: 8048.5/44

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.576 ± 0.971 χ^2/NDF : 237.0/17

Left Out: 3.708 ± 0.723 χ^2/NDF : 400.9/24

Right Out: -1.495 ± 0.910 χ^2/NDF : 298.5/21

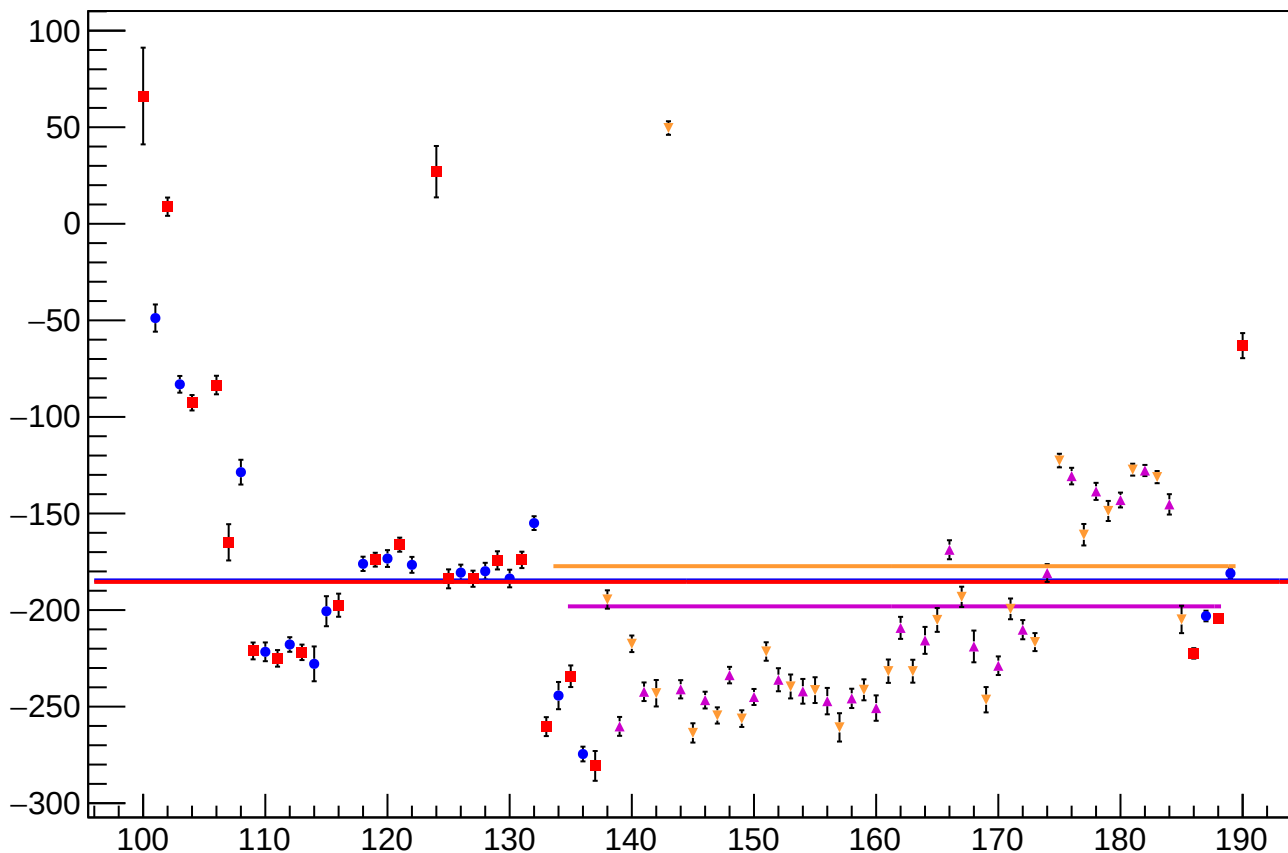
Left In: 4.102 ± 0.769 χ^2/NDF : 398.9/22

+ sign 3.304 ± 0.580 χ^2/NDF : 638.8/42

All: 2.546 ± 0.413 χ^2/NDF : 1361.9/87

- sign 1.770 ± 0.587 χ^2/NDF : 719.6/44

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -184.647 $\pm$ 0.999 χ^2 /NDF: 1922.8/17

Left Out: -177.283 $\pm$ 0.956 χ^2 /NDF: 7040.0/24

Right Out: -185.415 $\pm$ 0.828 χ^2 /NDF: 4511.1/21

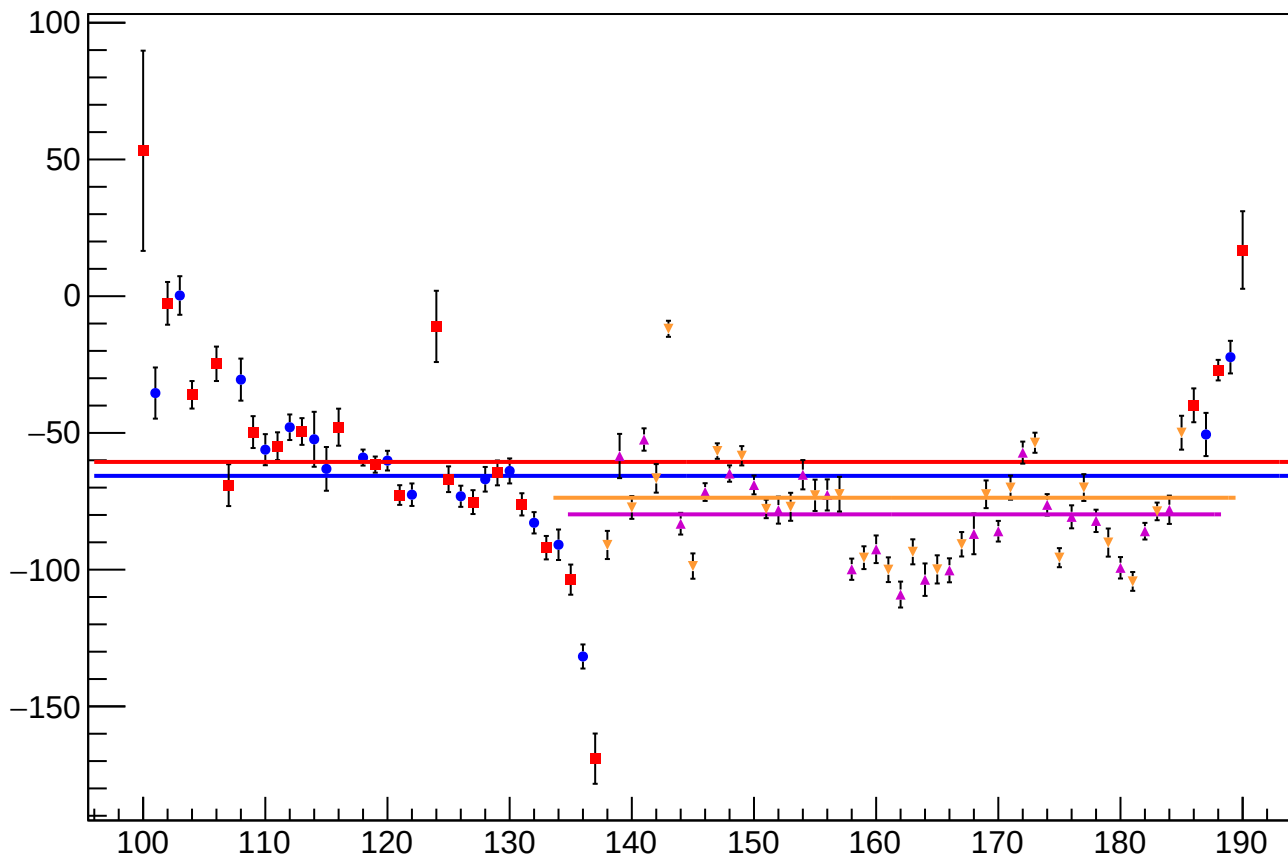
Left In: -198.088 $\pm$ 1.000 χ^2 /NDF: 2386.2/22

+ sign -180.804 $\pm$ 0.691 χ^2 /NDF: 8991.2/42

All: -186.075 $\pm$ 0.469 χ^2 /NDF: 16091.7/87

- sign -190.573 $\pm$ 0.638 χ^2 /NDF: 6992.6/44

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -65.702 ± 1.146 $\chi^2/\text{NDF}: 473.8/17$

Left Out: -73.706 ± 0.829 $\chi^2/\text{NDF}: 839.6/24$

Right Out: -60.607 ± 1.093 $\chi^2/\text{NDF}: 564.8/21$

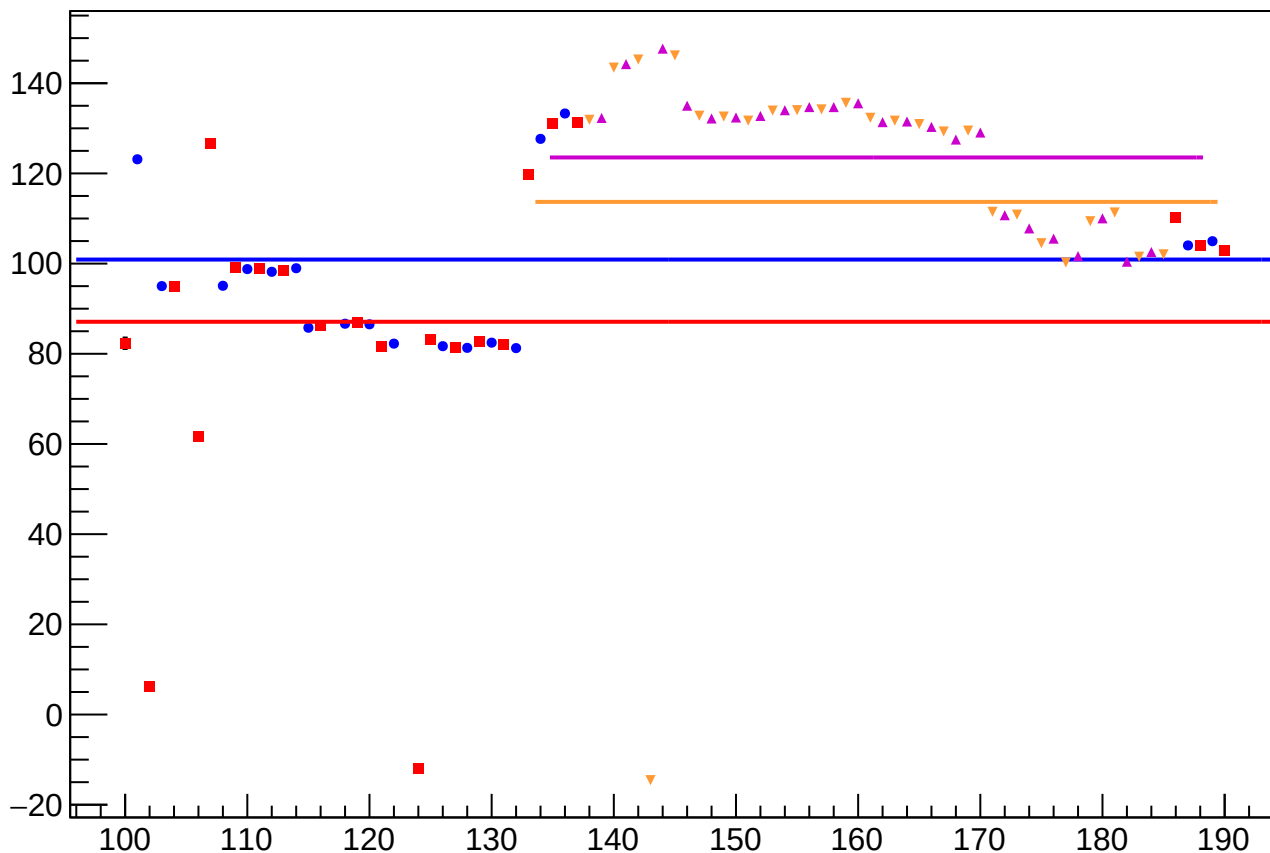
Left In: -79.777 ± 0.874 $\chi^2/\text{NDF}: 277.1/22$

+ sign -70.958 ± 0.672 $\chi^2/\text{NDF}: 1345.4/42$

All: -71.619 ± 0.479 $\chi^2/\text{NDF}: 2376.8/87$

- sign -72.302 ± 0.683 $\chi^2/\text{NDF}: 1029.5/44$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.898 ± 0.071 χ^2/NDF : 67759.7/17

Left Out: 113.687 ± 0.038 χ^2/NDF : 963156.9/24

Right Out: 87.100 ± 0.064 χ^2/NDF : 276809.8/21

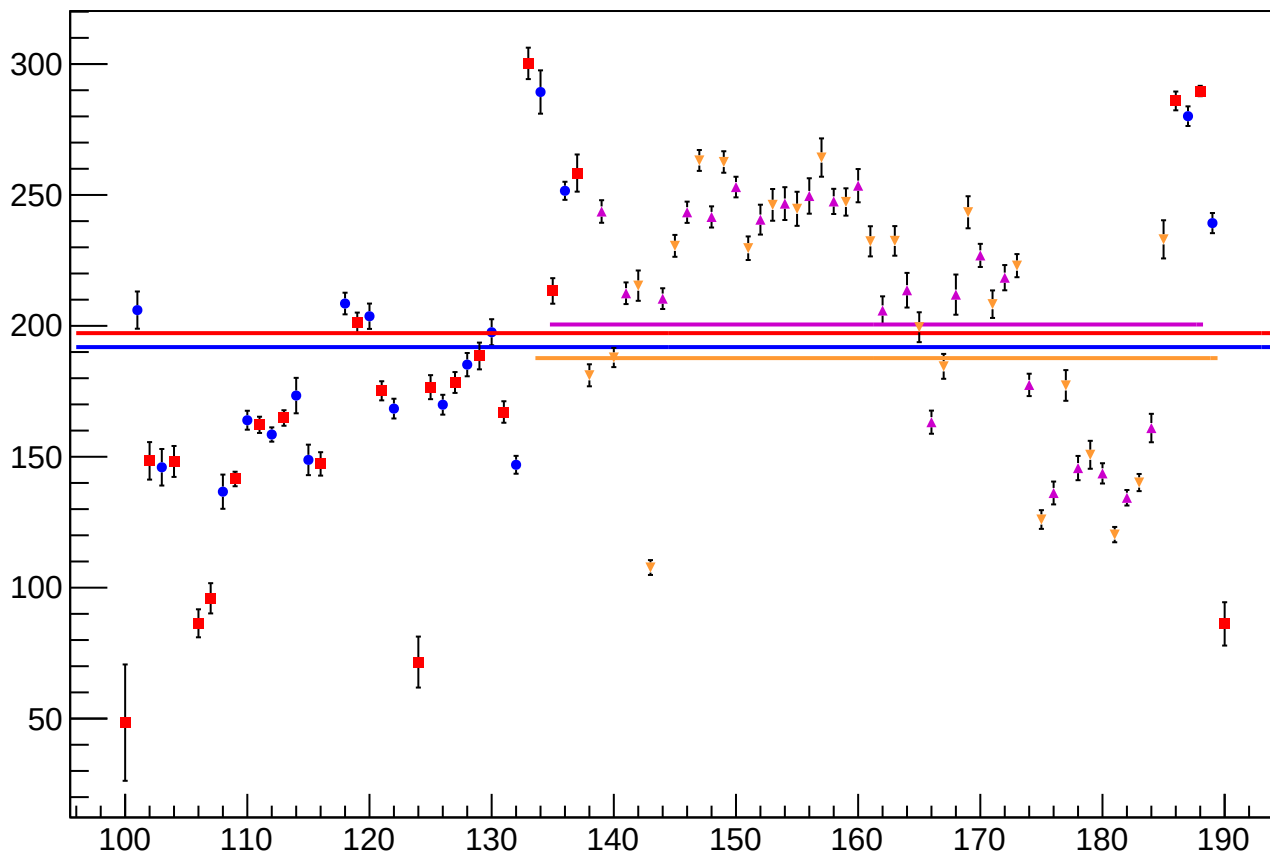
Left In: 123.538 ± 0.040 χ^2/NDF : 134613.3/22

+ sign 110.767 ± 0.034 χ^2/NDF : 1056298.3/42

All: 112.106 ± 0.024 χ^2/NDF : 1705232.8/87

- sign 113.444 ± 0.034 χ^2/NDF : 645778.1/44

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 191.889 ± 1.010 $\chi^2/\text{NDF}: 1805.5/17$

Left Out: 187.681 ± 0.898 $\chi^2/\text{NDF}: 3528.3/24$

Right Out: 197.223 ± 0.875 $\chi^2/\text{NDF}: 5332.3/21$

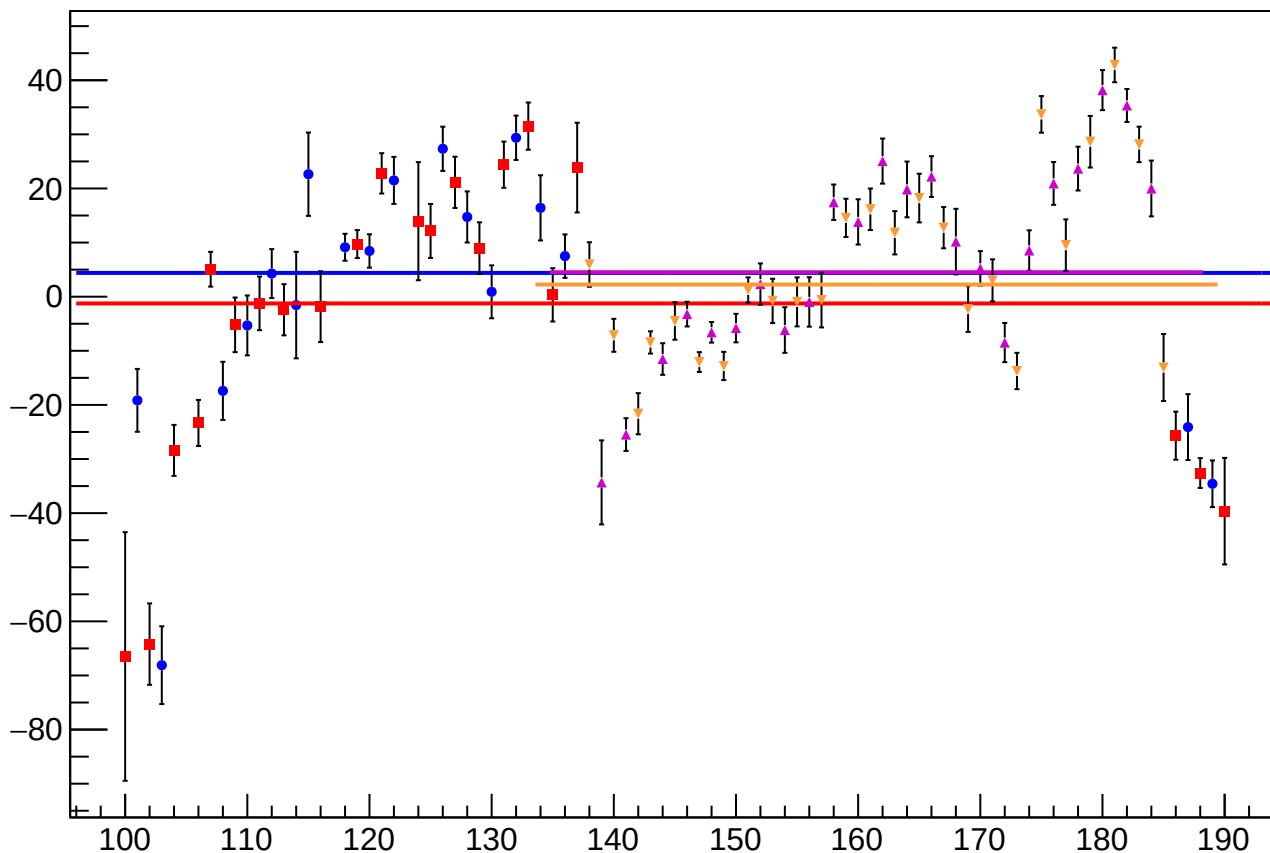
Left In: 200.521 ± 0.955 $\chi^2/\text{NDF}: 2111.4/22$

+ sign 189.538 ± 0.671 $\chi^2/\text{NDF}: 5343.5/42$

All: 194.313 ± 0.465 $\chi^2/\text{NDF}: 12891.2/87$

- sign 198.727 ± 0.645 $\chi^2/\text{NDF}: 7450.2/44$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 4.396 ± 1.061 χ^2/NDF : 346.5/17

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -1.250 ± 0.963 χ^2/NDF : 515.0/21

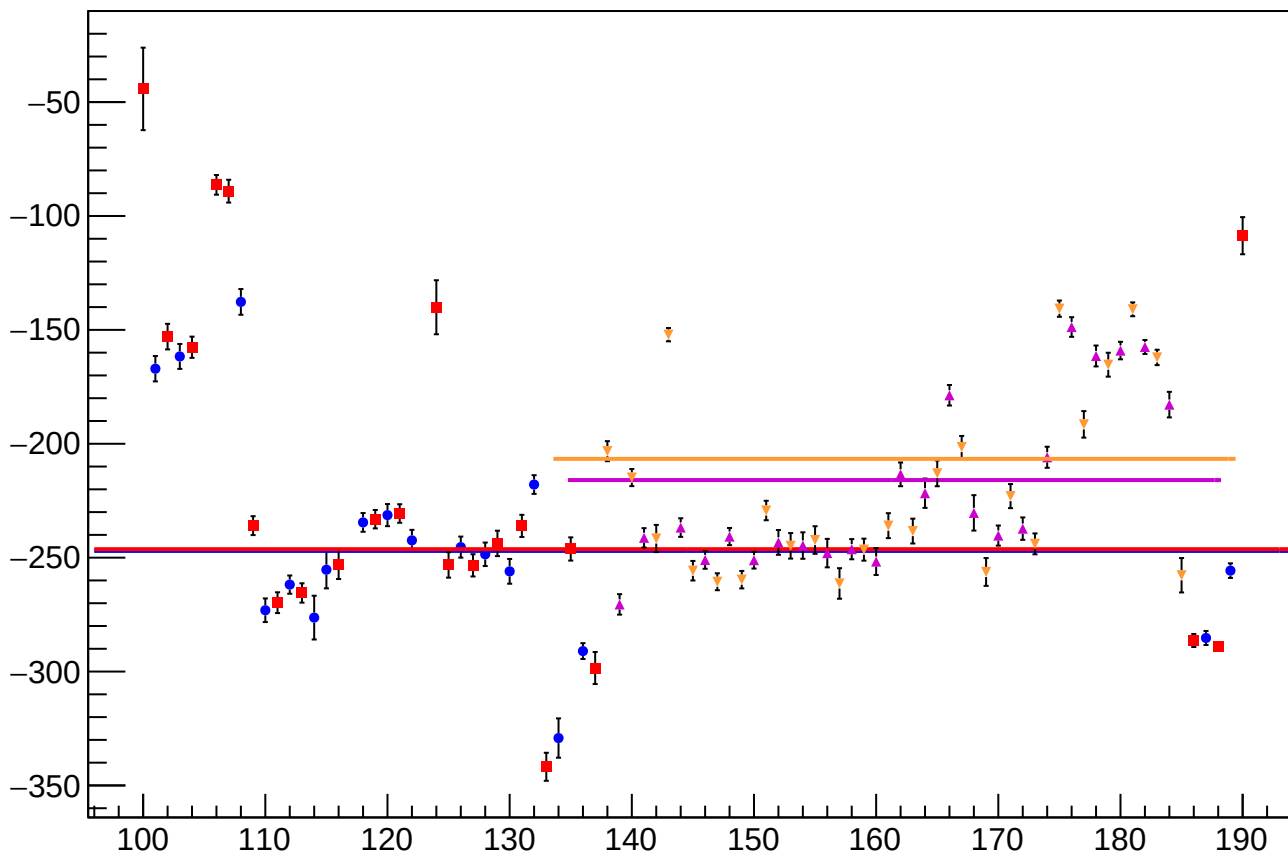
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign 2.851 ± 0.563 χ^2/NDF : 950.3/42

All: 2.663 ± 0.402 χ^2/NDF : 2035.7/87

- sign 2.467 ± 0.574 χ^2/NDF : 1085.2/44

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -247.036+/-1.086 χ^2 /NDF: 1360.6/17

Left Out: -206.617+/-0.895 χ^2 /NDF:2467.8/24

Right Out: -246.279+/-0.892 χ^2 /NDF: 4783.2/21

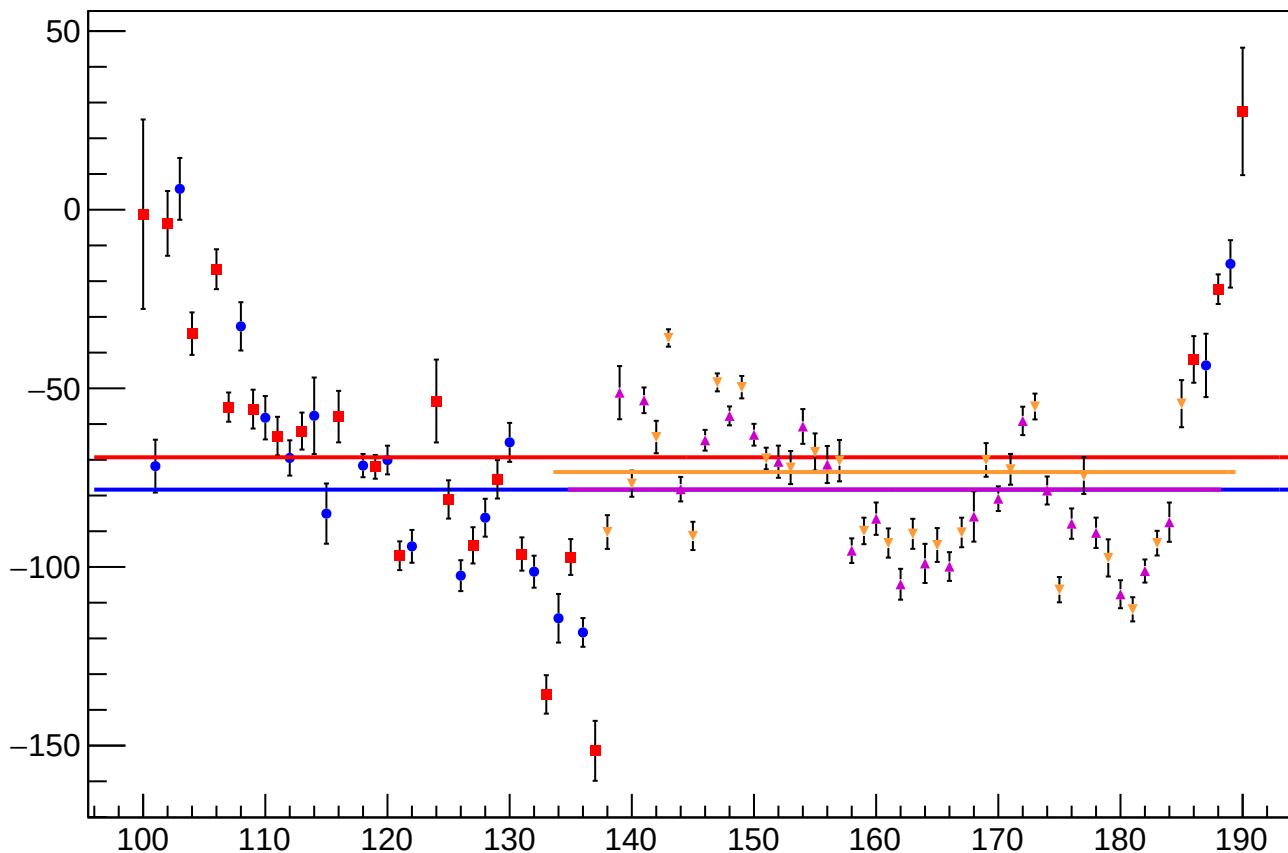
Left In: -215.938+/-0.946 χ^2 /NDF:1711.9/22

+ sign -222.961+/-0.691 χ^2 /NDF: 4653.6/42

All: -227.759+/-0.473 χ^2 /NDF: 11784.0/87

- sign -231.998+/-0.649 χ^2 /NDF: 7039.5/44

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -78.351 ± 1.251 $\chi^2/\text{NDF}: 478.5/17$

Left Out: -73.426 ± 0.767 $\chi^2/\text{NDF}: 836.6/24$

Right Out: -69.297 ± 1.158 $\chi^2/\text{NDF}: 772.6/21$

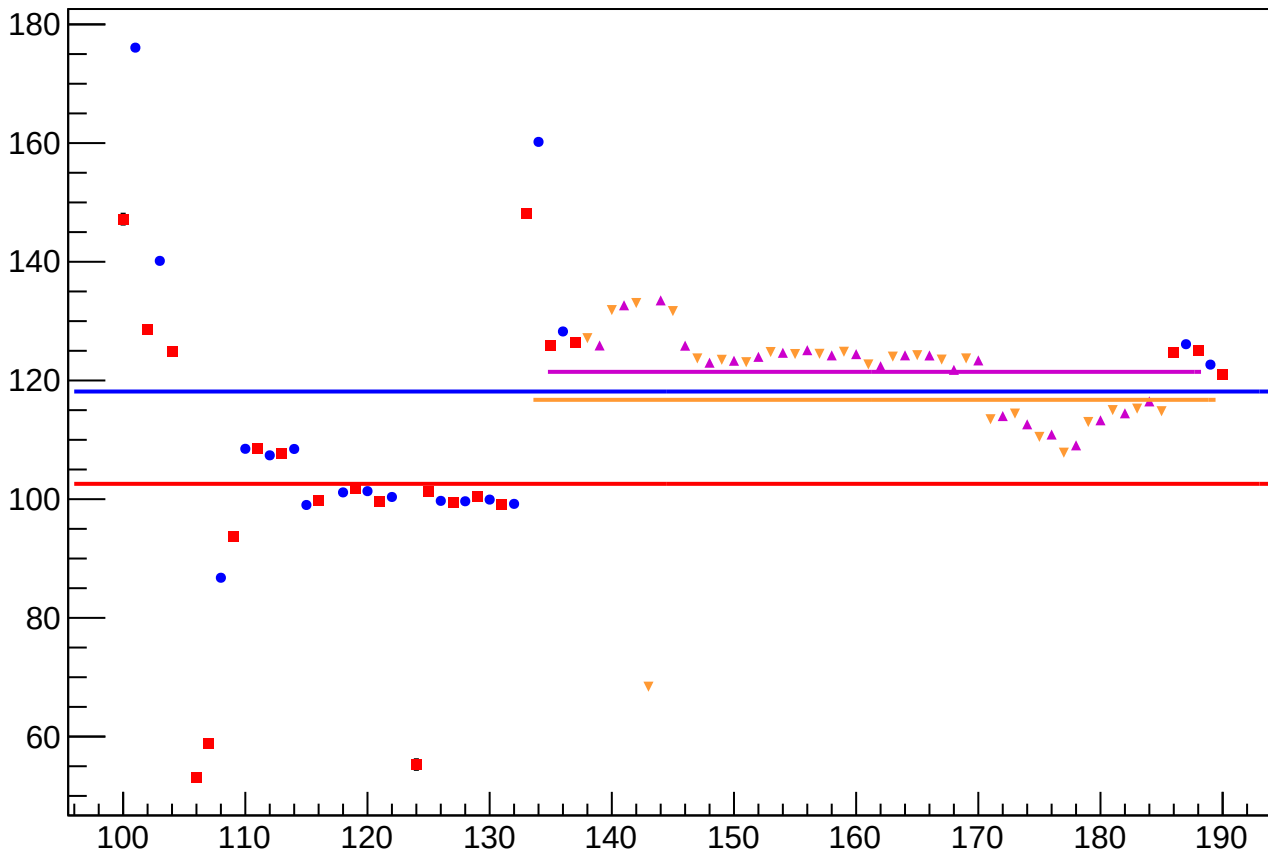
Left In: -78.329 ± 0.817 $\chi^2/\text{NDF}: 443.2/22$

+ sign -74.772 ± 0.654 $\chi^2/\text{NDF}: 1326.3/42$

All: -75.044 ± 0.467 $\chi^2/\text{NDF}: 2583.0/87$

- sign -75.327 ± 0.668 $\chi^2/\text{NDF}: 1256.4/44$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 118.141 $\pm$ 0.075 χ^2 /NDF: 95897.9/17

Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF: 203650.9/24

Right Out: 102.585 $\pm$ 0.066 χ^2 /NDF: 181306.8/21

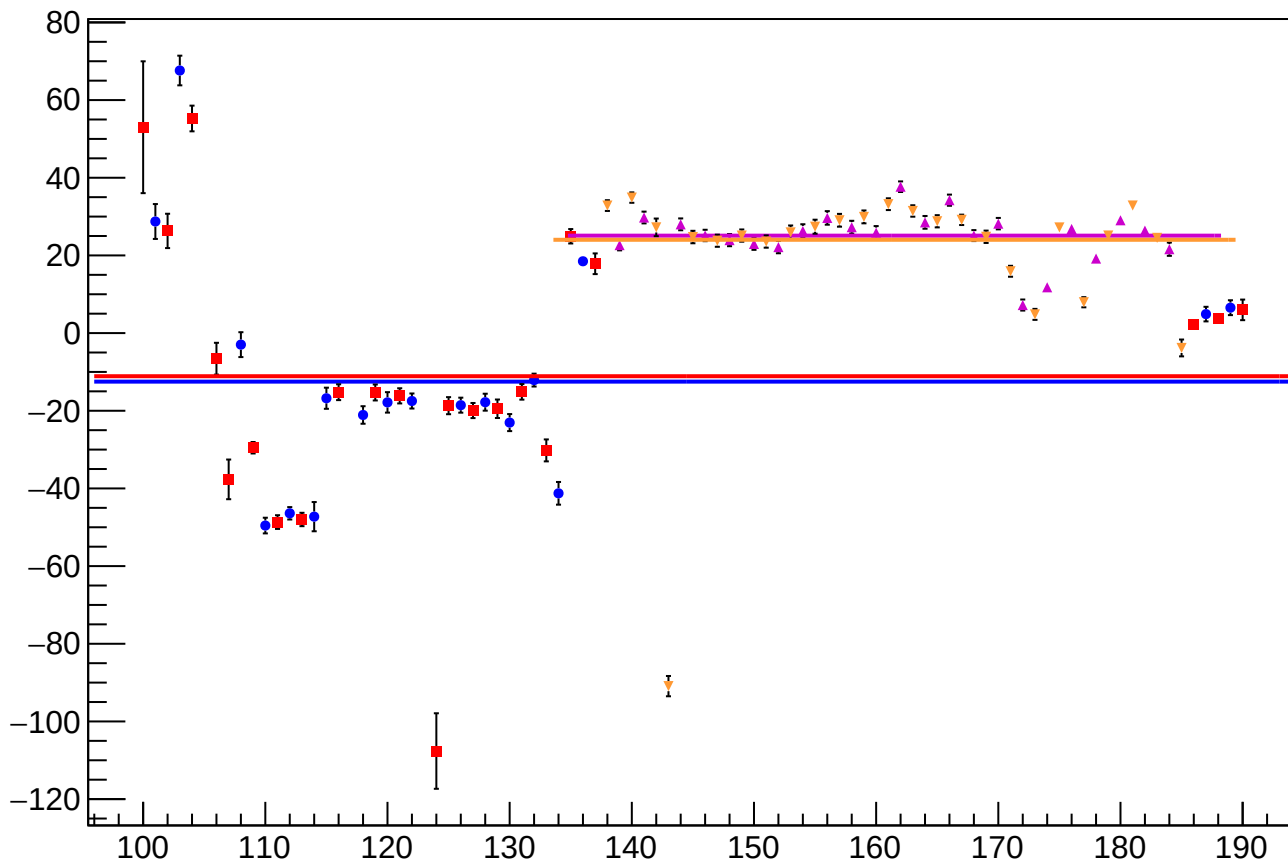
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF: 28796.4/22

+ sign 117.000 $\pm$ 0.032 χ^2 /NDF: 299832.2/42

All: 116.945 $\pm$ 0.023 χ^2 /NDF: 571974.2/87

- sign 116.889 $\pm$ 0.032 χ^2 /NDF: 272136.1/44

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -12.496 ± 0.500 χ^2/NDF : 2338.6/17

Left Out: 24.025 ± 0.282 χ^2/NDF : 2802.2/24

Right Out: -11.106 ± 0.437 χ^2/NDF : 2635.0/21

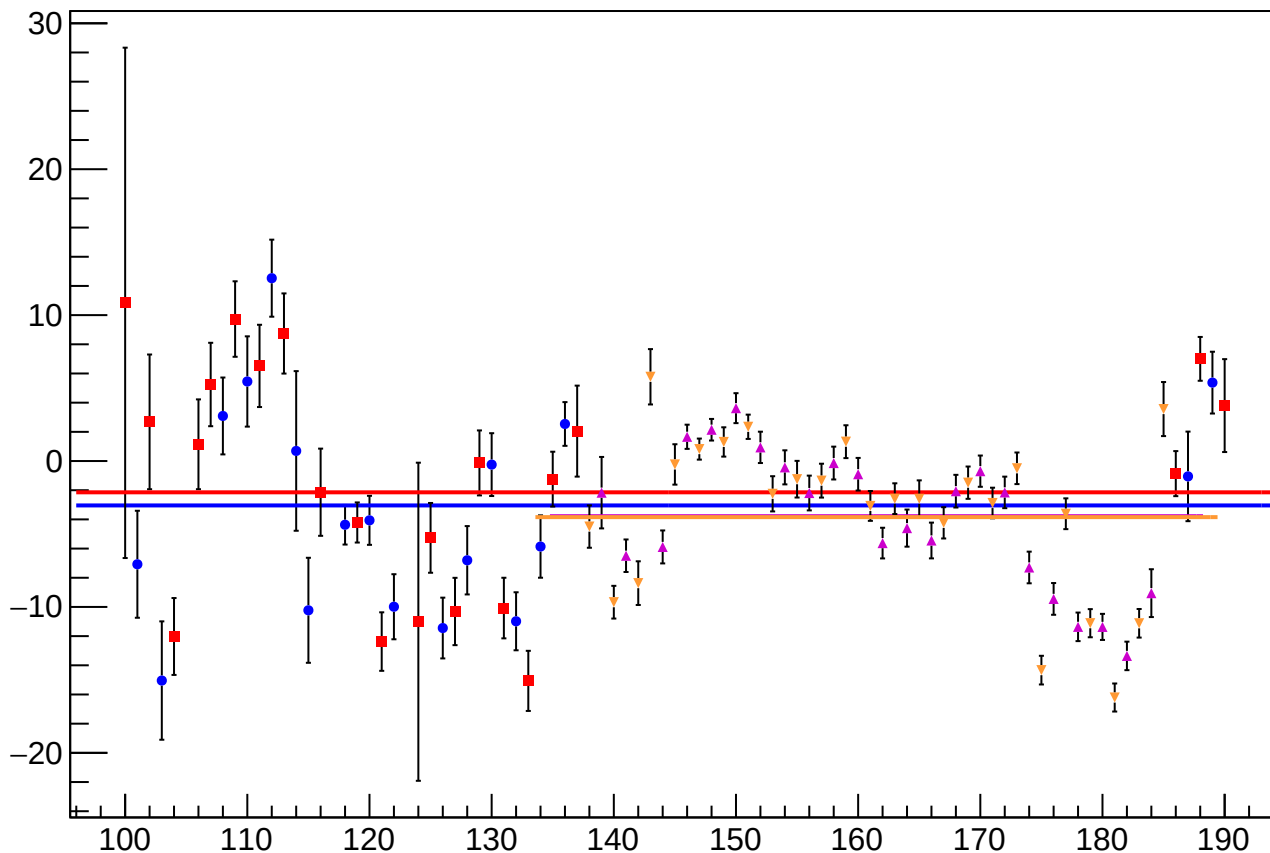
Left In: 25.089 ± 0.287 χ^2/NDF : 495.3/22

+ sign 15.214 ± 0.246 χ^2/NDF : 9186.7/42

All: 14.681 ± 0.172 χ^2/NDF : 17116.3/87

- sign 14.172 ± 0.240 χ^2/NDF : 7920.4/44

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.043 ± 0.526 $\chi^2/\text{NDF}: 141.5/17$

Left Out: -3.845 ± 0.218 $\chi^2/\text{NDF}: 649.4/24$

Right Out: -2.144 ± 0.493 $\chi^2/\text{NDF}: 211.0/21$

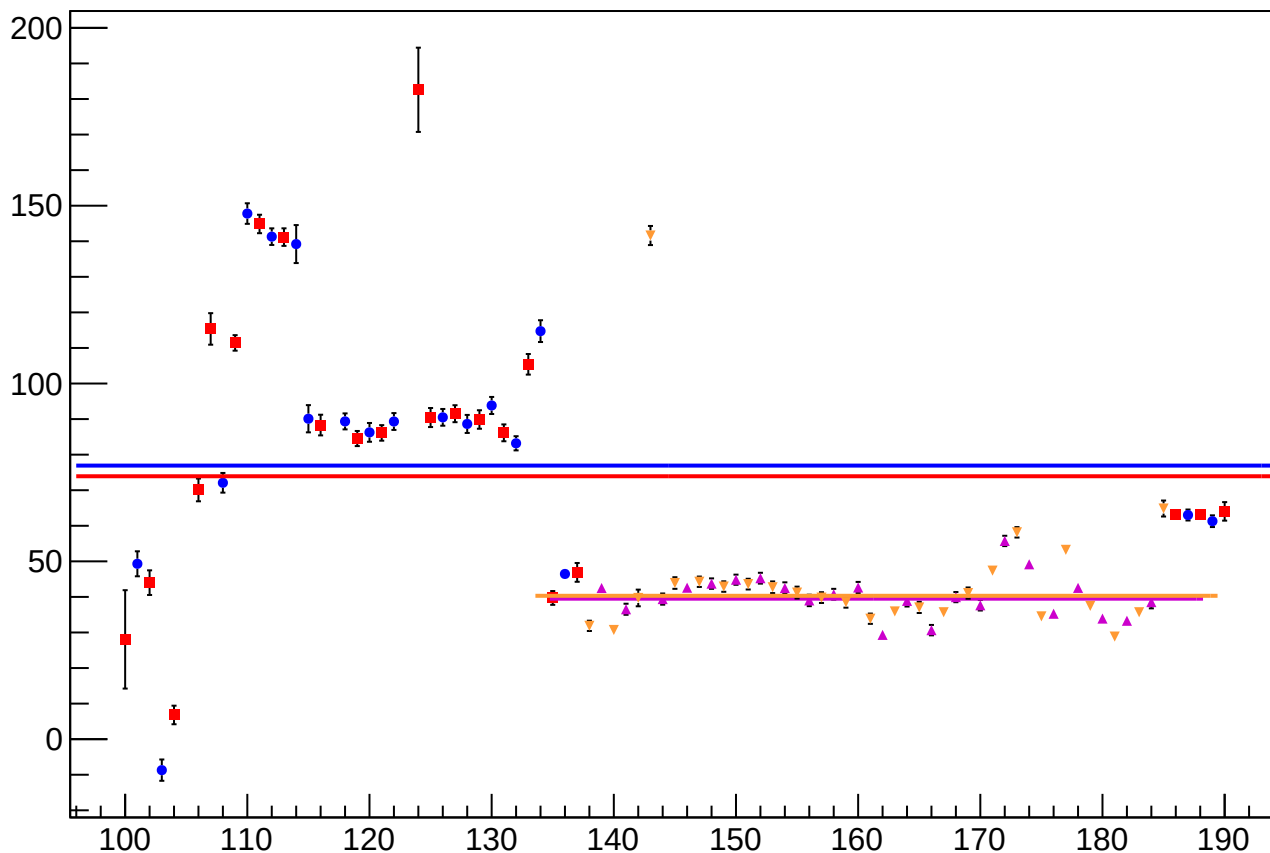
Left In: -3.780 ± 0.224 $\chi^2/\text{NDF}: 509.8/22$

+ sign -3.728 ± 0.201 $\chi^2/\text{NDF}: 792.9/42$

All: -3.616 ± 0.143 $\chi^2/\text{NDF}: 1523.4/87$

- sign -3.501 ± 0.204 $\chi^2/\text{NDF}: 729.9/44$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 76.924 ± 0.534 χ^2/NDF : 3451.6/17

Left Out: 40.315 ± 0.280 χ^2/NDF : 2182.8/24

Right Out: 73.926 ± 0.441 χ^2/NDF : 3761.4/21

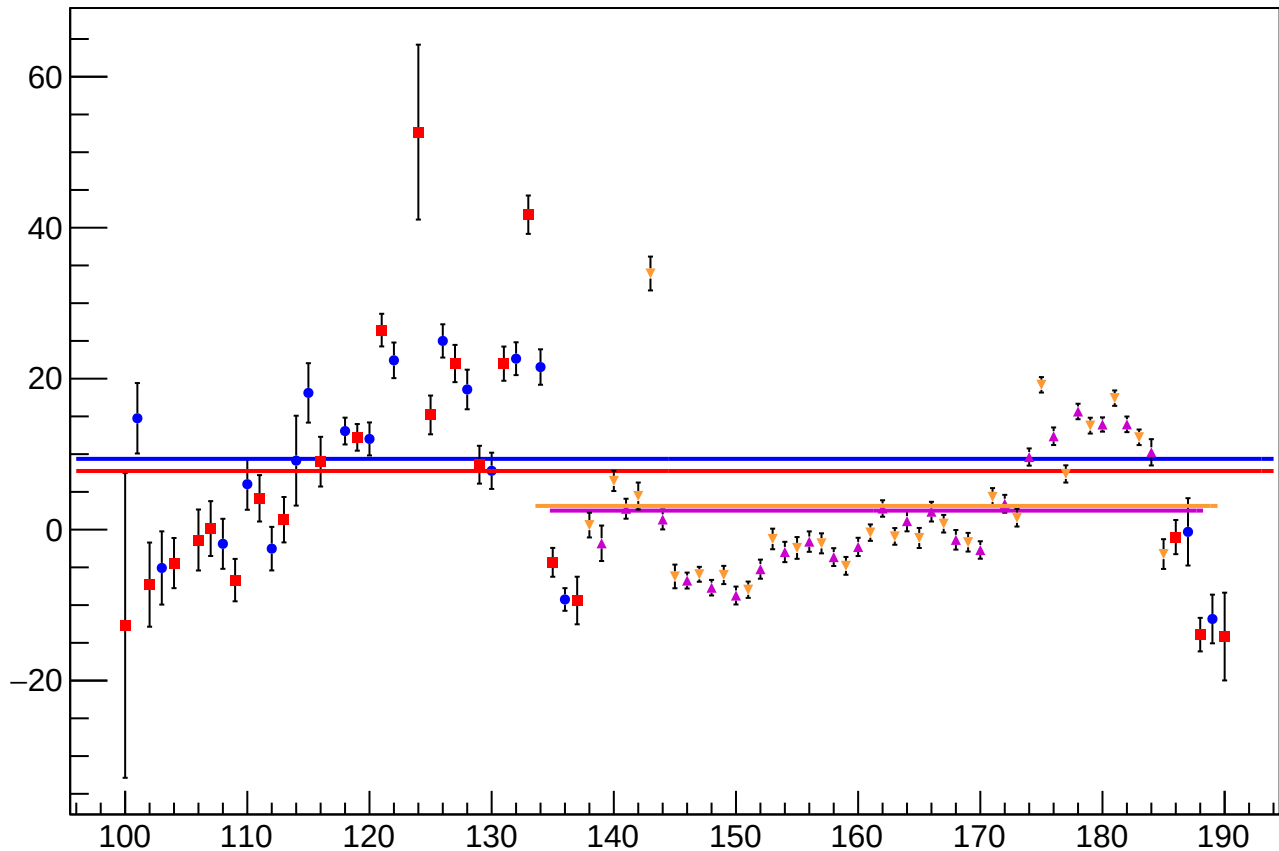
Left In: 39.504 ± 0.285 χ^2/NDF : 432.1/22

+ sign 48.210 ± 0.248 χ^2/NDF : 9316.8/42

All: 48.946 ± 0.172 χ^2/NDF : 17826.8/87

- sign 49.630 ± 0.239 χ^2/NDF : 8493.0/44

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 9.376 ± 0.609 χ^2/NDF : 410.2/17

Left Out: 3.142 ± 0.245 χ^2/NDF : 1267.0/24

Right Out: 7.771 ± 0.591 χ^2/NDF : 613.9/21

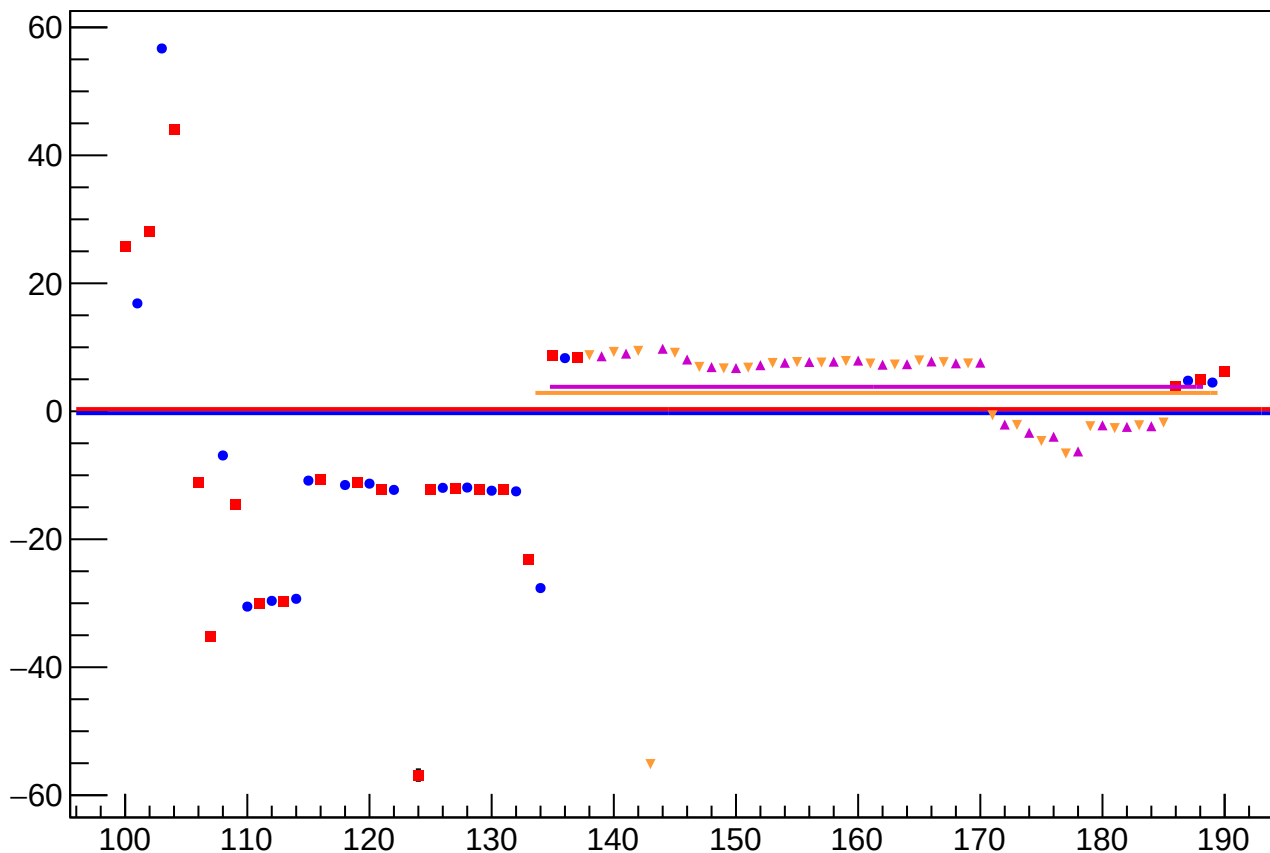
Left In: 2.519 ± 0.251 χ^2/NDF : 968.2/22

+ sign 4.012 ± 0.228 χ^2/NDF : 1767.3/42

All: 3.672 ± 0.162 χ^2/NDF : 3420.9/87

- sign 3.322 ± 0.231 χ^2/NDF : 1649.0/44

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.295 ± 0.034 χ^2/NDF : 369846.8/17

Left Out: 2.870 ± 0.011 χ^2/NDF : 512331.0/24

Right Out: 0.344 ± 0.034 χ^2/NDF : 320379.2/21

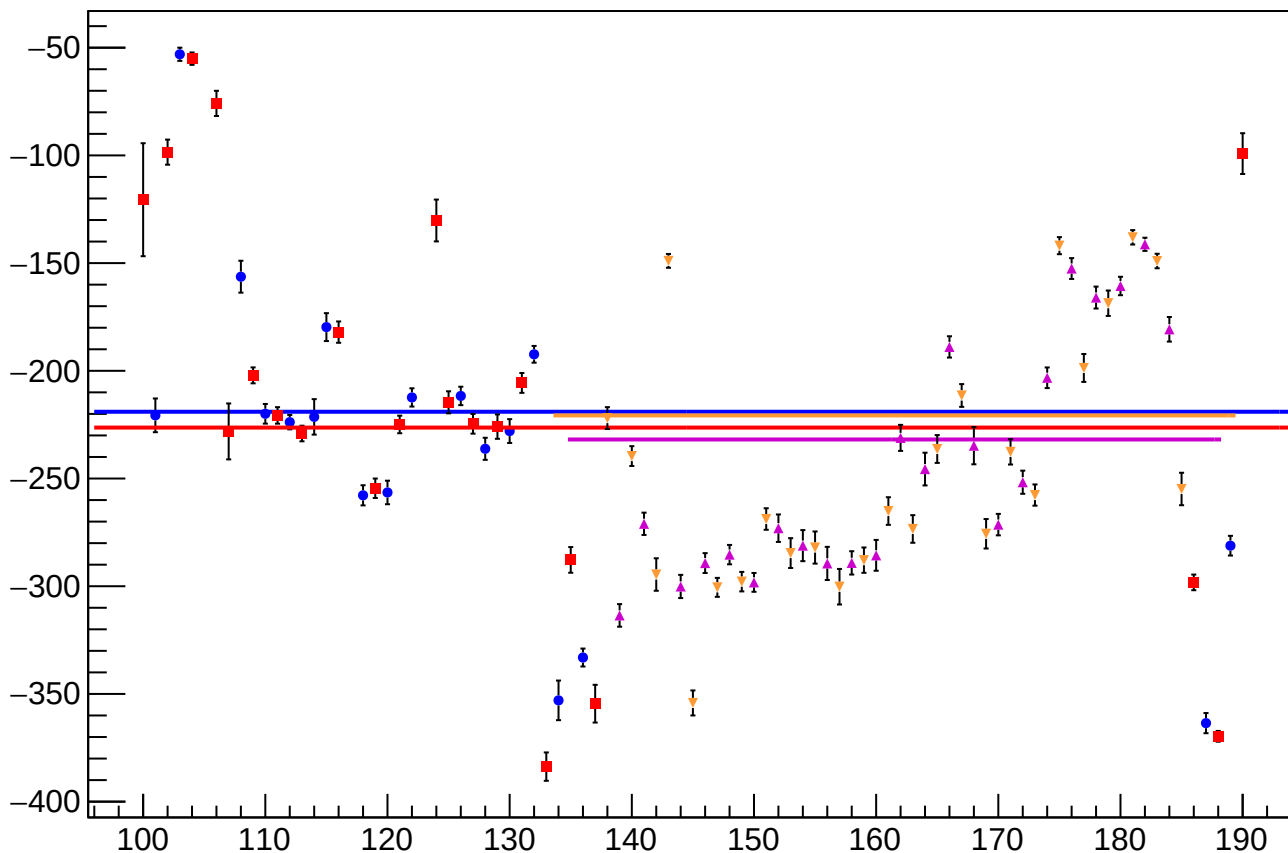
Left In: 3.825 ± 0.011 χ^2/NDF : 233224.7/22

+ sign 2.576 ± 0.010 χ^2/NDF : 889892.1/42

All: 3.028 ± 0.007 χ^2/NDF : 1456784.3/87

- sign 3.488 ± 0.011 χ^2/NDF : 563123.9/44

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -219.002 ± 1.114 $\chi^2/\text{NDF}: 5321.9/17$

Left Out: -220.723 ± 1.018 $\chi^2/\text{NDF}: 4052.2/24$

Right Out: -226.350 ± 0.980 $\chi^2/\text{NDF}: 9749.8/21$

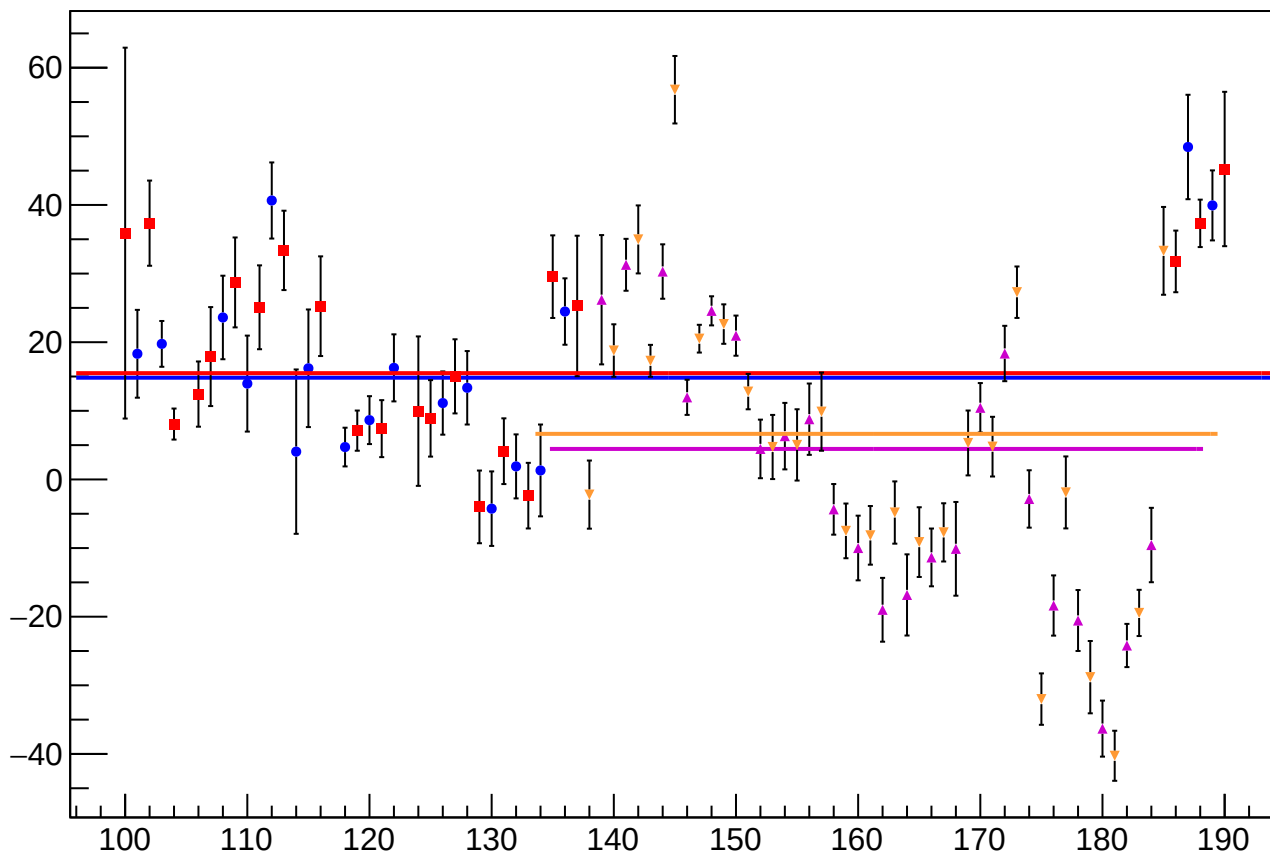
Left In: -231.871 ± 1.077 $\chi^2/\text{NDF}: 3160.3/22$

+ sign -219.940 ± 0.752 $\chi^2/\text{NDF}: 9375.5/42$

All: -224.556 ± 0.522 $\chi^2/\text{NDF}: 22372.8/87$

- sign -228.851 ± 0.725 $\chi^2/\text{NDF}: 12924.5/44$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 14.828 ± 1.157 $\chi^2/\text{NDF}: 115.7/17$

Left Out: 6.643 ± 0.752 $\chi^2/\text{NDF}: 735.0/24$

Right Out: 15.490 ± 1.034 $\chi^2/\text{NDF}: 155.3/21$

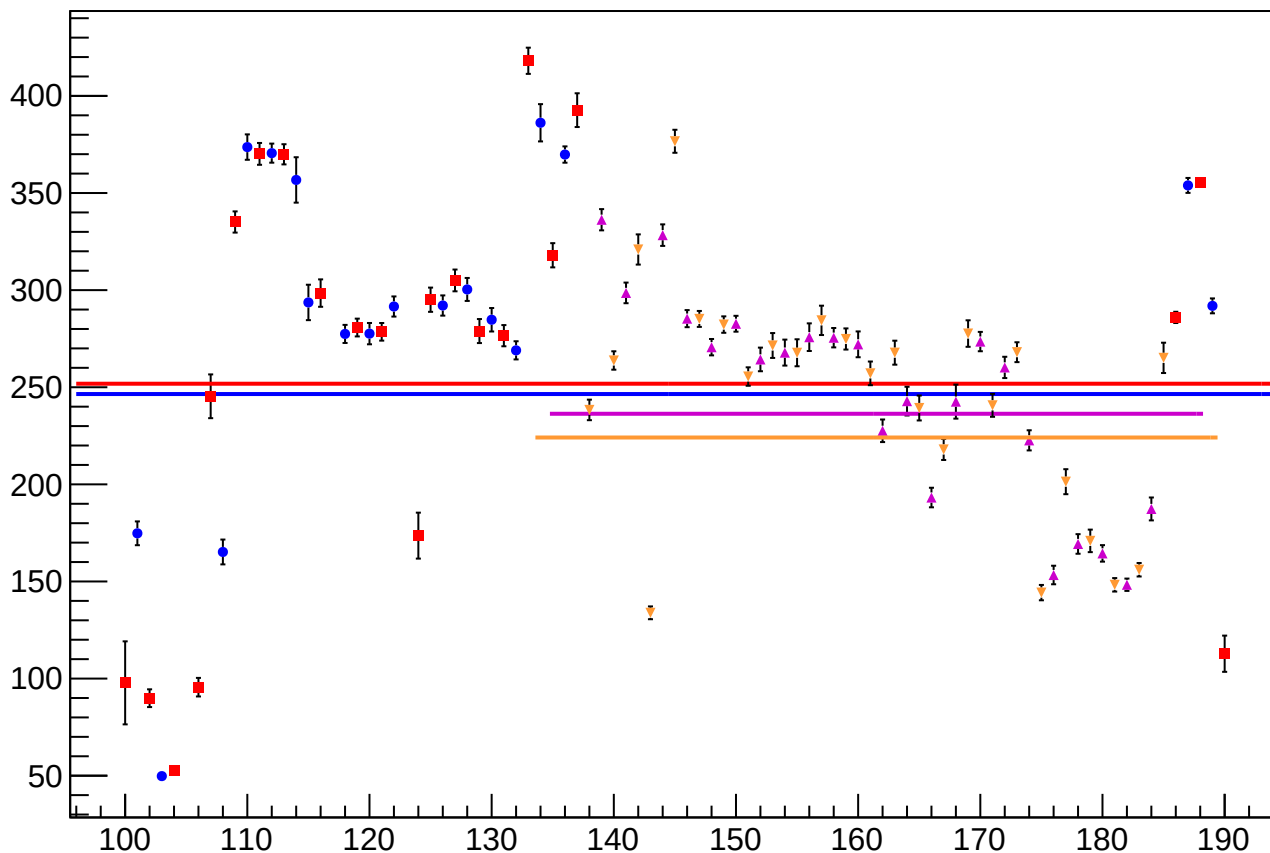
Left In: 4.447 ± 0.807 $\chi^2/\text{NDF}: 567.1/22$

+ sign 9.076 ± 0.631 $\chi^2/\text{NDF}: 885.8/42$

All: 8.855 ± 0.448 $\chi^2/\text{NDF}: 1679.4/87$

- sign 8.630 ± 0.636 $\chi^2/\text{NDF}: 793.3/44$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 246.501 $\pm$ 1.143 χ^2 /NDF: 10464.7/17

Left Out: 224.123 $\pm$ 1.014 χ^2 /NDF: 3966.6/24

Right Out: 251.814 $\pm$ 0.963 χ^2 /NDF: 15626.2/21

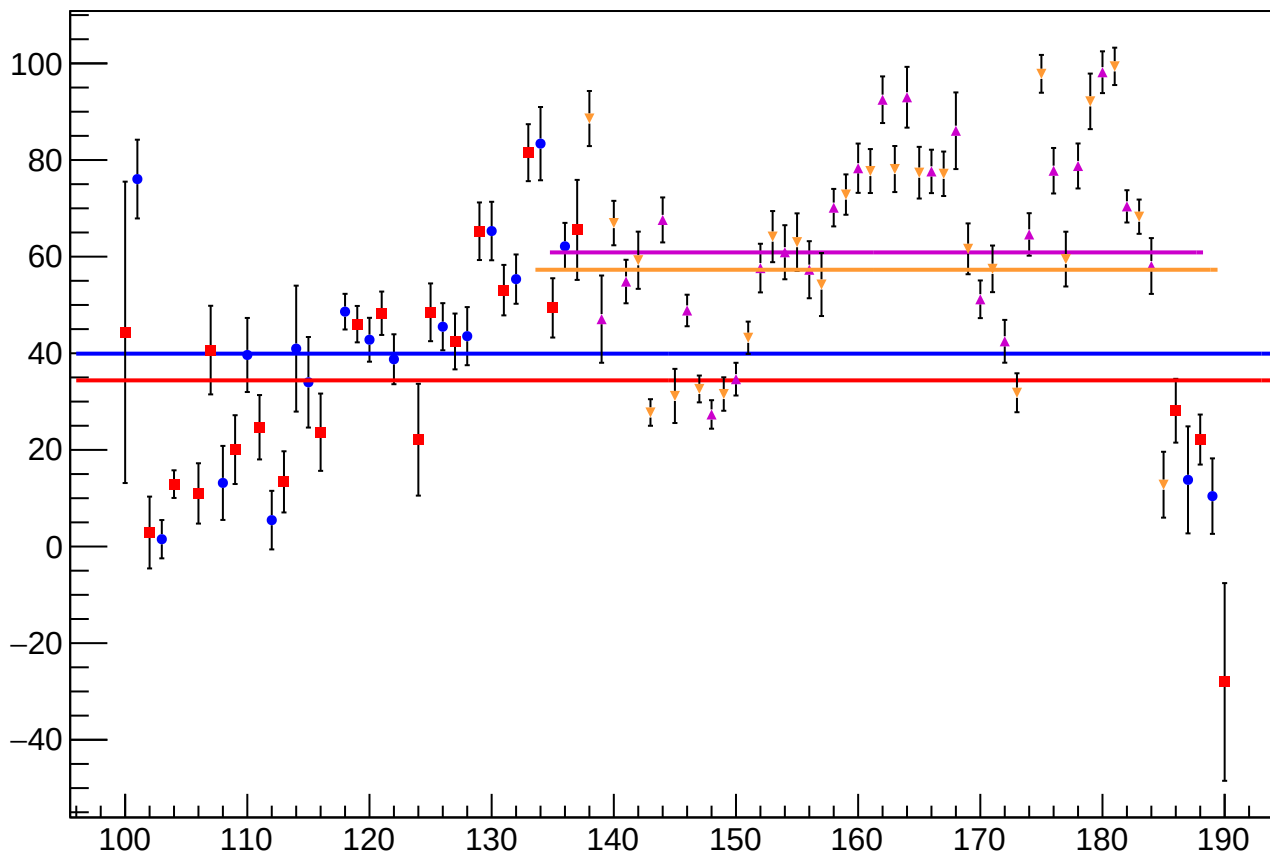
Left In: 236.342 $\pm$ 1.066 χ^2 /NDF: 2992.9/22

+ sign 233.977 $\pm$ 0.758 χ^2 /NDF: 14646.0/42

All: 239.744 $\pm$ 0.520 χ^2 /NDF: 33490.3/87

- sign 244.866 $\pm$ 0.715 χ^2 /NDF: 18735.1/44

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 39.922 ± 1.365 $\chi^2/\text{NDF}: 266.5/17$

Left Out: 57.288 ± 0.868 $\chi^2/\text{NDF}: 767.9/24$

Right Out: 34.391 ± 1.251 $\chi^2/\text{NDF}: 270.0/21$

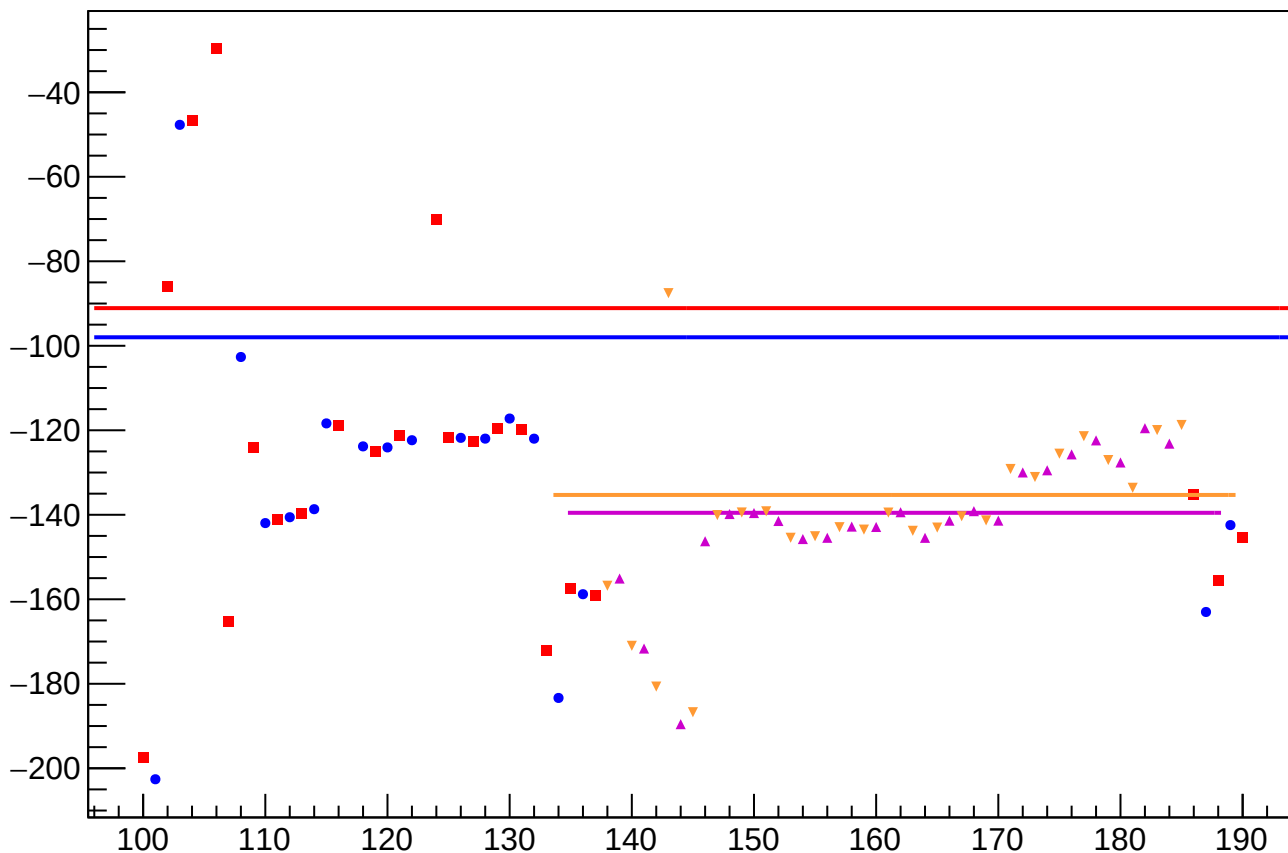
Left In: 60.877 ± 0.923 $\chi^2/\text{NDF}: 454.7/22$

+ sign 52.289 ± 0.732 $\chi^2/\text{NDF}: 1149.6/42$

All: 51.922 ± 0.521 $\chi^2/\text{NDF}: 2165.2/87$

- sign 51.544 ± 0.742 $\chi^2/\text{NDF}: 1015.1/44$

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -97.988 $\pm$ 0.068 χ^2 /NDF: 548000.7/17

Left Out: -135.305 $\pm$ 0.041 χ^2 /NDF: 262874.5/24

Right Out: -91.089 $\pm$ 0.064 χ^2 /NDF: 561021.3/21

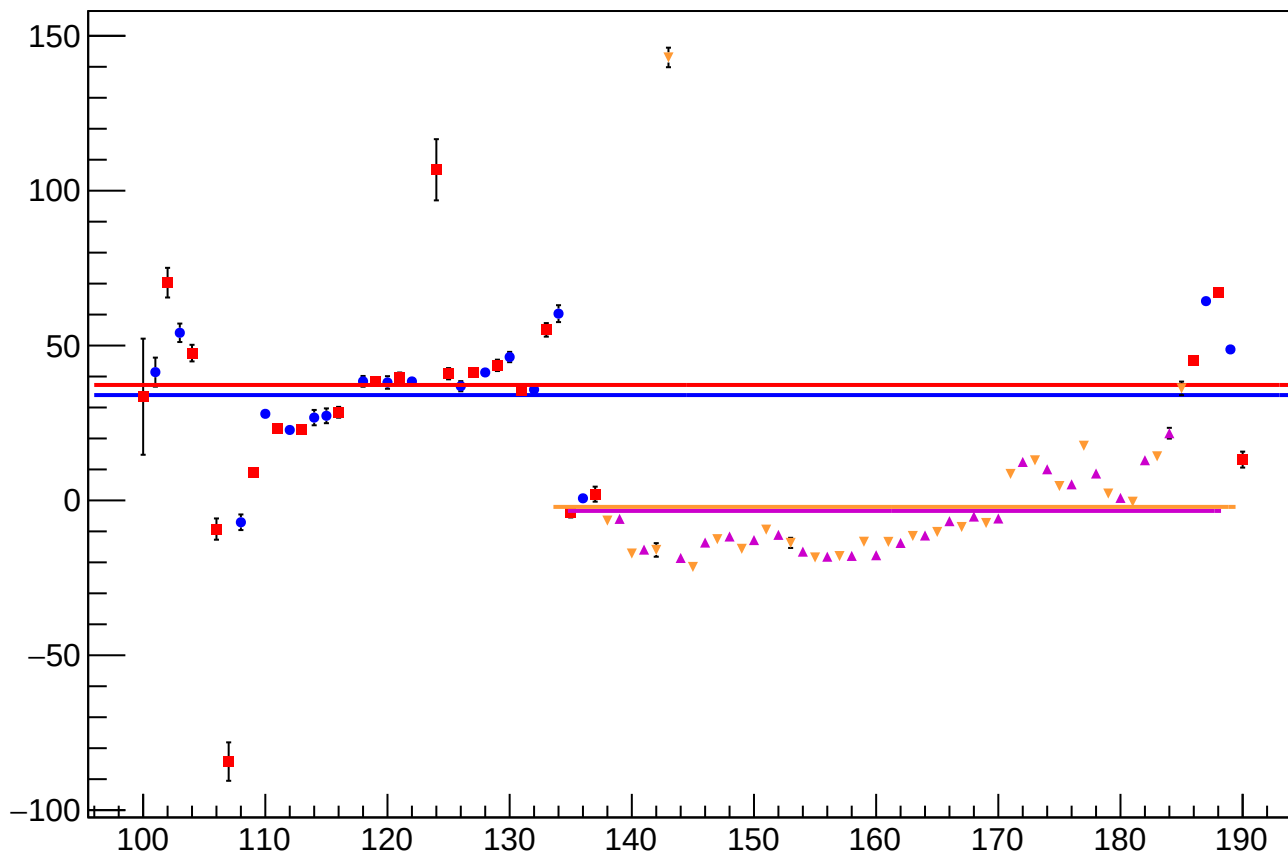
Left In: -139.533 $\pm$ 0.042 χ^2 /NDF: 114482.7/22

+ sign -125.454 $\pm$ 0.035 χ^2 /NDF: 1034163.2/42

All: -125.192 $\pm$ 0.025 χ^2 /NDF: 2108874.9/87

- sign -124.925 $\pm$ 0.035 χ^2 /NDF: 1074597.4/44

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 34.012 $\pm$ 0.386 χ^2 /NDF: 2151.2/17

Left Out: -2.091 $\pm$ 0.267 χ^2 /NDF: 4201.3/24

Right Out: 37.276 $\pm$ 0.328 χ^2 /NDF: 4380.6/21

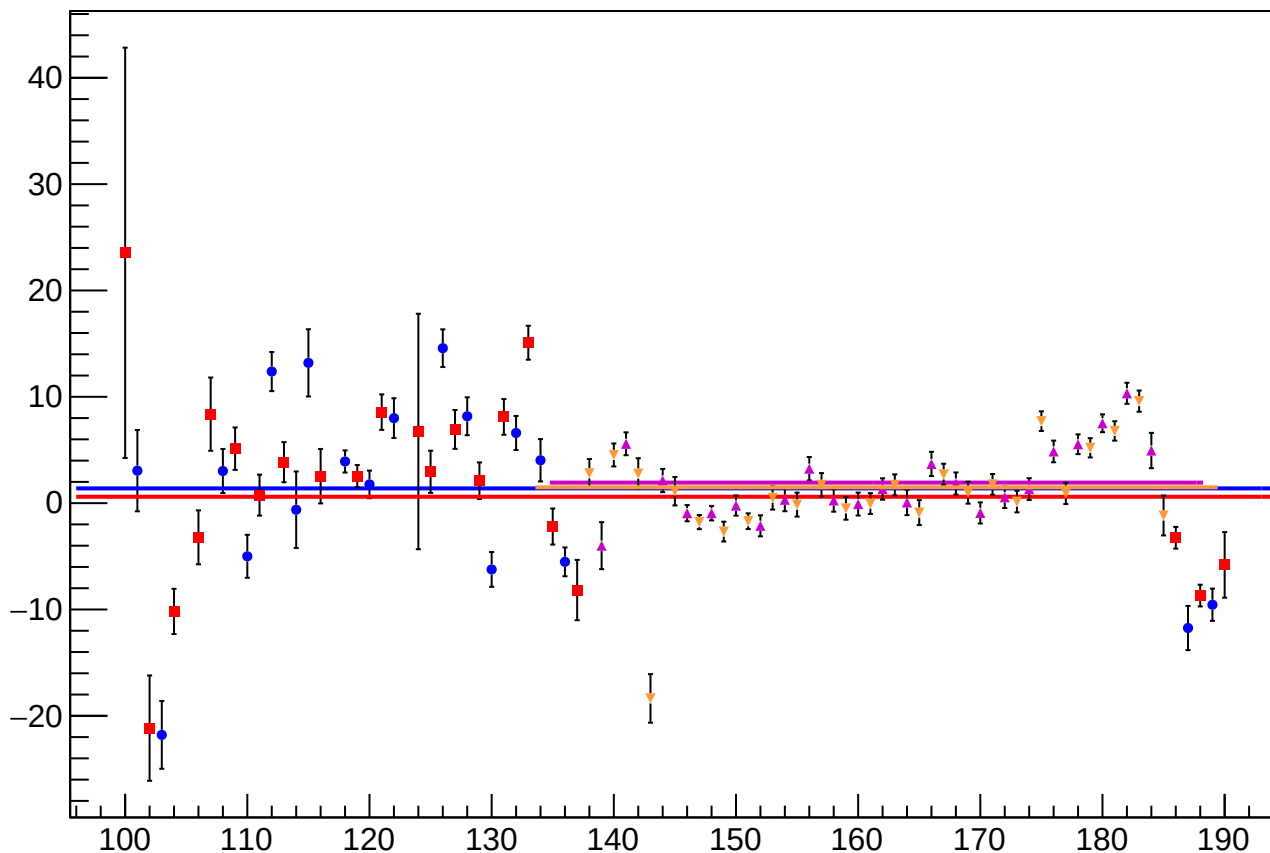
Left In: -3.391 $\pm$ 0.271 χ^2 /NDF: 1752.8/22

+ sign 9.577 $\pm$ 0.219 χ^2 /NDF: 12271.7/42

All: 11.426 $\pm$ 0.151 χ^2 /NDF: 27655.3/87

- sign 13.105 $\pm$ 0.209 χ^2 /NDF: 15248.2/44

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 1.388 ± 0.416 χ^2/NDF : 353.7/17

Left Out: 1.489 ± 0.205 χ^2/NDF : 328.6/24

Right Out: 0.601 ± 0.381 χ^2/NDF : 318.9/21

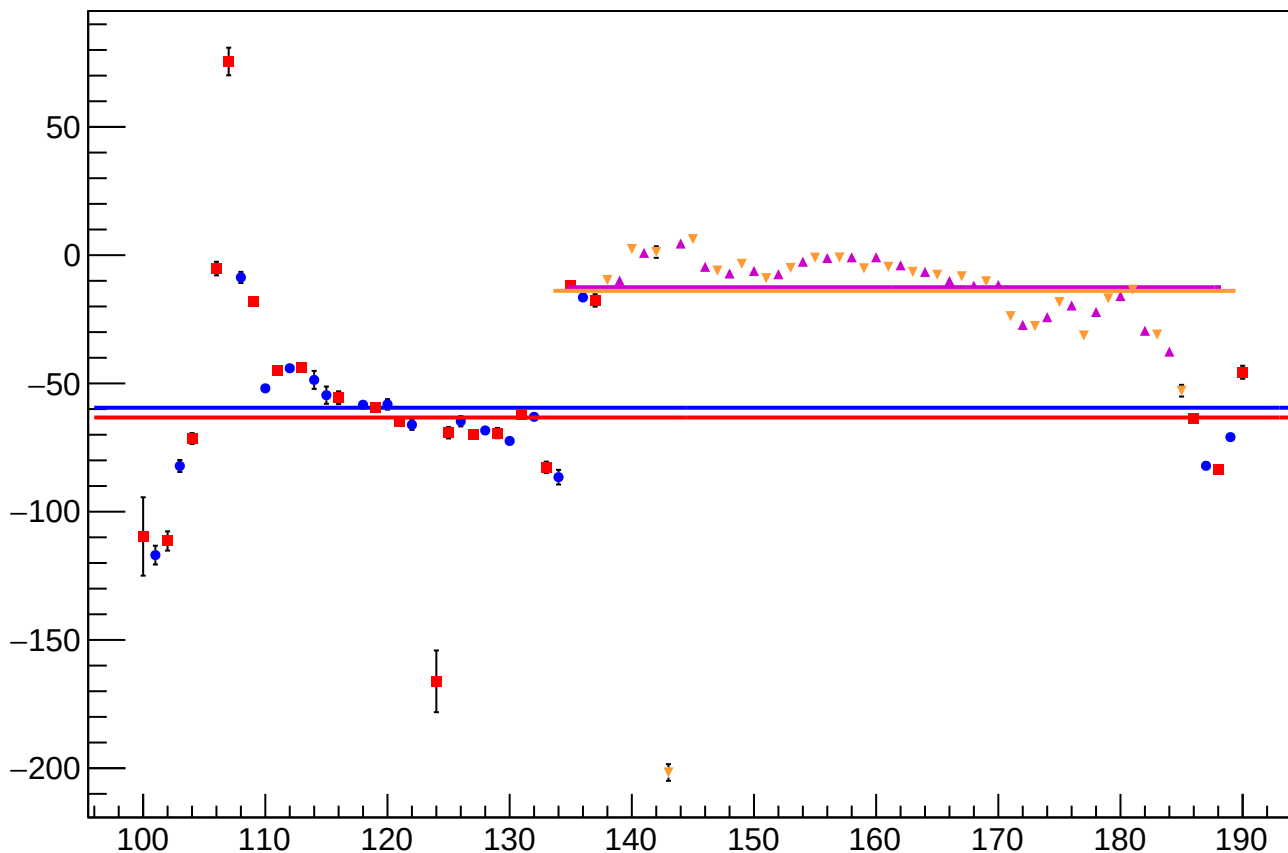
Left In: 1.933 ± 0.210 χ^2/NDF : 240.7/22

+ sign 1.469 ± 0.184 χ^2/NDF : 682.3/42

All: 1.545 ± 0.130 χ^2/NDF : 1251.6/87

- sign 1.622 ± 0.184 χ^2/NDF : 568.9/44

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -59.475 ± 0.412 χ^2/NDF : 3103.9/17

Left Out: -13.908 ± 0.265 χ^2/NDF : 5128.3/24

Right Out: -63.286 ± 0.327 χ^2/NDF : 4972.1/21

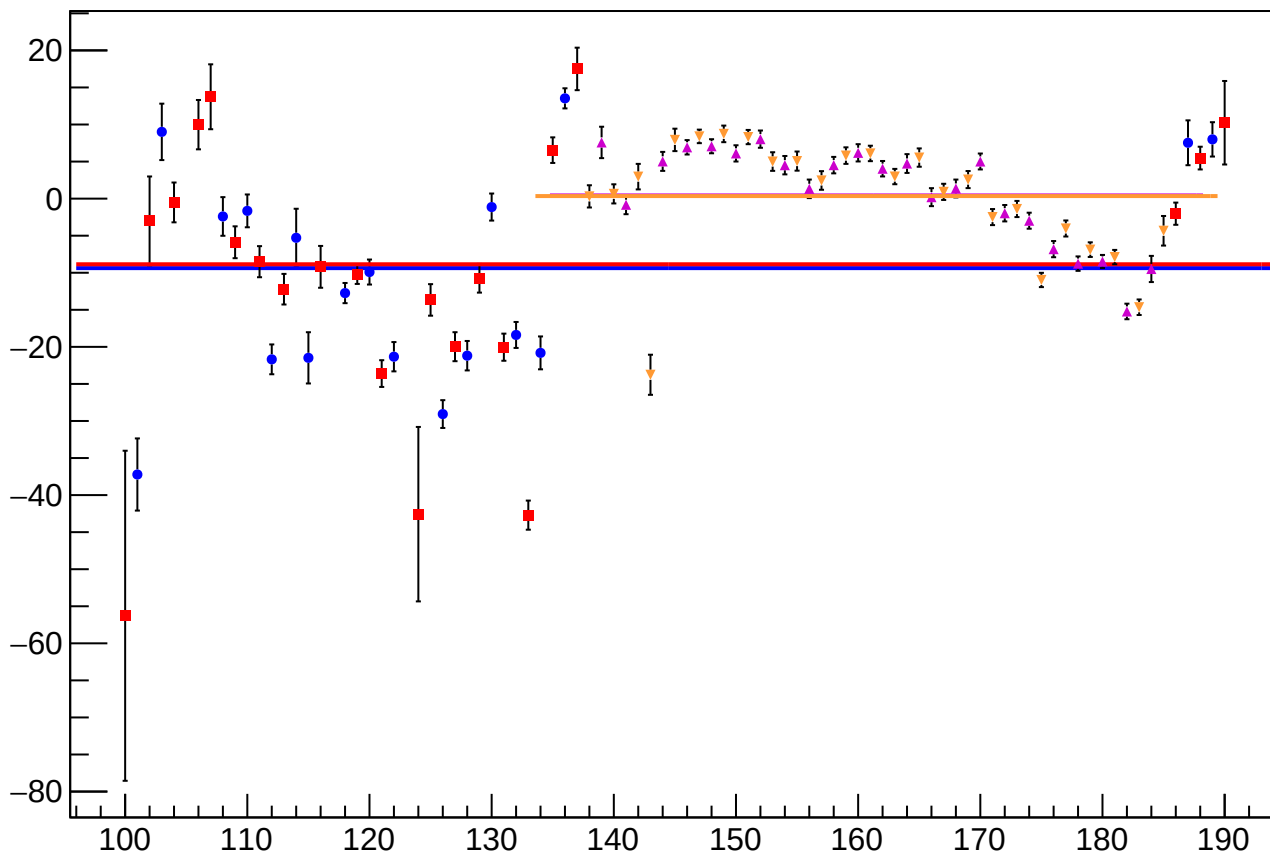
Left In: -12.494 ± 0.269 χ^2/NDF : 1430.3/22

+ sign -27.215 ± 0.223 χ^2/NDF : 16886.1/42

All: -30.306 ± 0.152 χ^2/NDF : 38065.7/87

- sign -32.988 ± 0.208 χ^2/NDF : 20819.9/44

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -9.376 ± 0.487 χ^2/NDF : 760.4/17

Left Out: 0.345 ± 0.231 χ^2/NDF : 921.9/24

Right Out: -8.856 ± 0.463 χ^2/NDF : 810.6/21

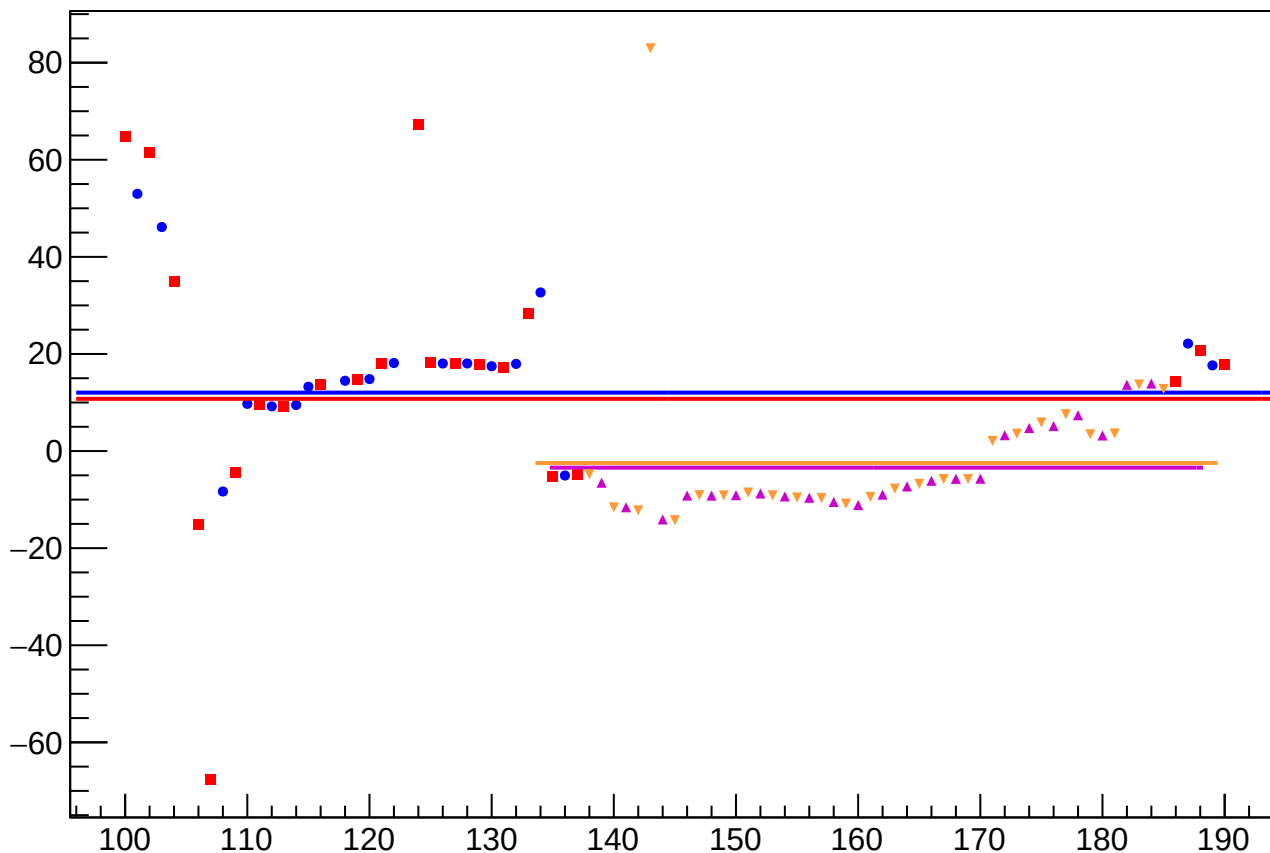
Left In: 0.433 ± 0.237 χ^2/NDF : 782.1/22

+ sign -1.442 ± 0.209 χ^2/NDF : 2007.0/42

All: -1.465 ± 0.148 χ^2/NDF : 3918.5/87

- sign -1.489 ± 0.211 χ^2/NDF : 1911.4/44

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 12.036 $\pm$ 0.028 χ^2 /NDF: 356350.3/17

Left Out: -2.452 $\pm$ 0.010 χ^2 /NDF: 961833.3/24

Right Out: 10.757 $\pm$ 0.028 χ^2 /NDF: 458693.9/21

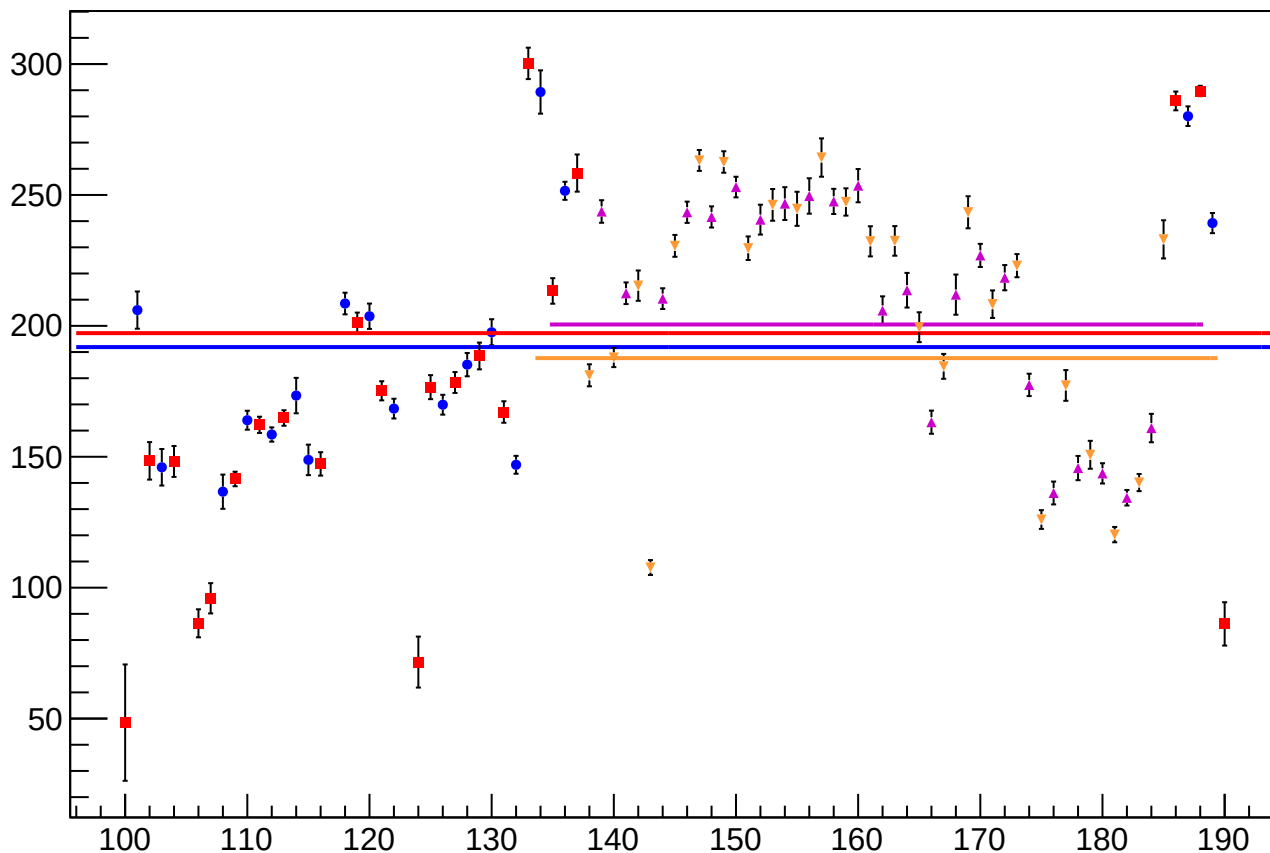
Left In: -3.418 $\pm$ 0.010 χ^2 /NDF: 546802.2/22

+ sign -0.753 $\pm$ 0.010 χ^2 /NDF: 1547855.7/42

All: -1.212 $\pm$ 0.007 χ^2 /NDF: 2784314.9/87

- sign -1.677 $\pm$ 0.010 χ^2 /NDF: 1231974.0/44

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 191.889+/-1.010 χ^2/NDF : 1805.5/17

Left Out: 187.681+/-0.898 χ^2/NDF : 3528.3/24

Right Out: 197.223+/-0.875 χ^2/NDF : 5332.3/21

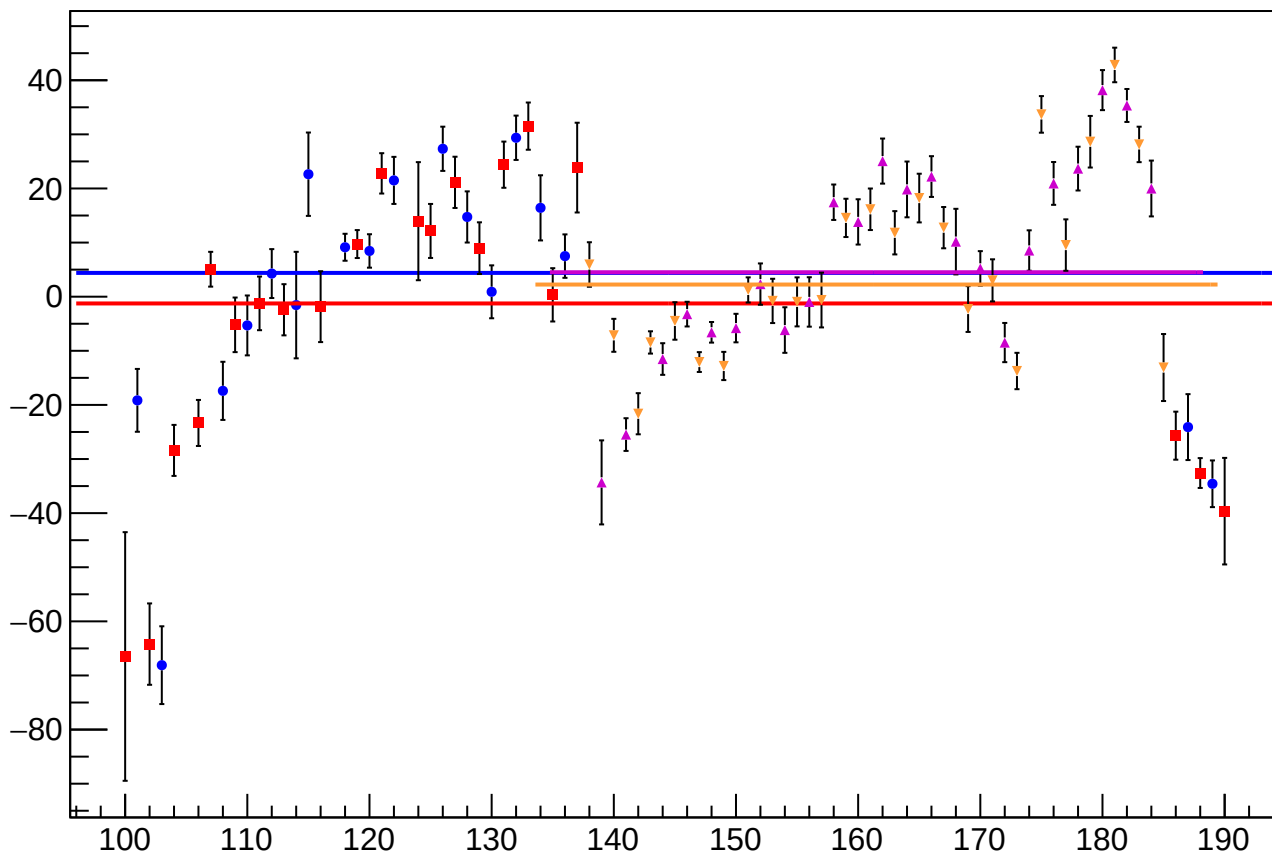
Left In: 200.521+/-0.955 χ^2/NDF : 2111.4/22

+ sign 189.538+/-0.671 χ^2/NDF : 5343.5/42

All: 194.313+/-0.465 χ^2/NDF : 12891.2/87

- sign 198.727+/-0.645 χ^2/NDF : 7450.2/44

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.396 ± 1.061 χ^2/NDF : 346.5/17

Left Out: 2.245 ± 0.665 χ^2/NDF : 600.9/24

Right Out: -1.250 ± 0.963 χ^2/NDF : 515.0/21

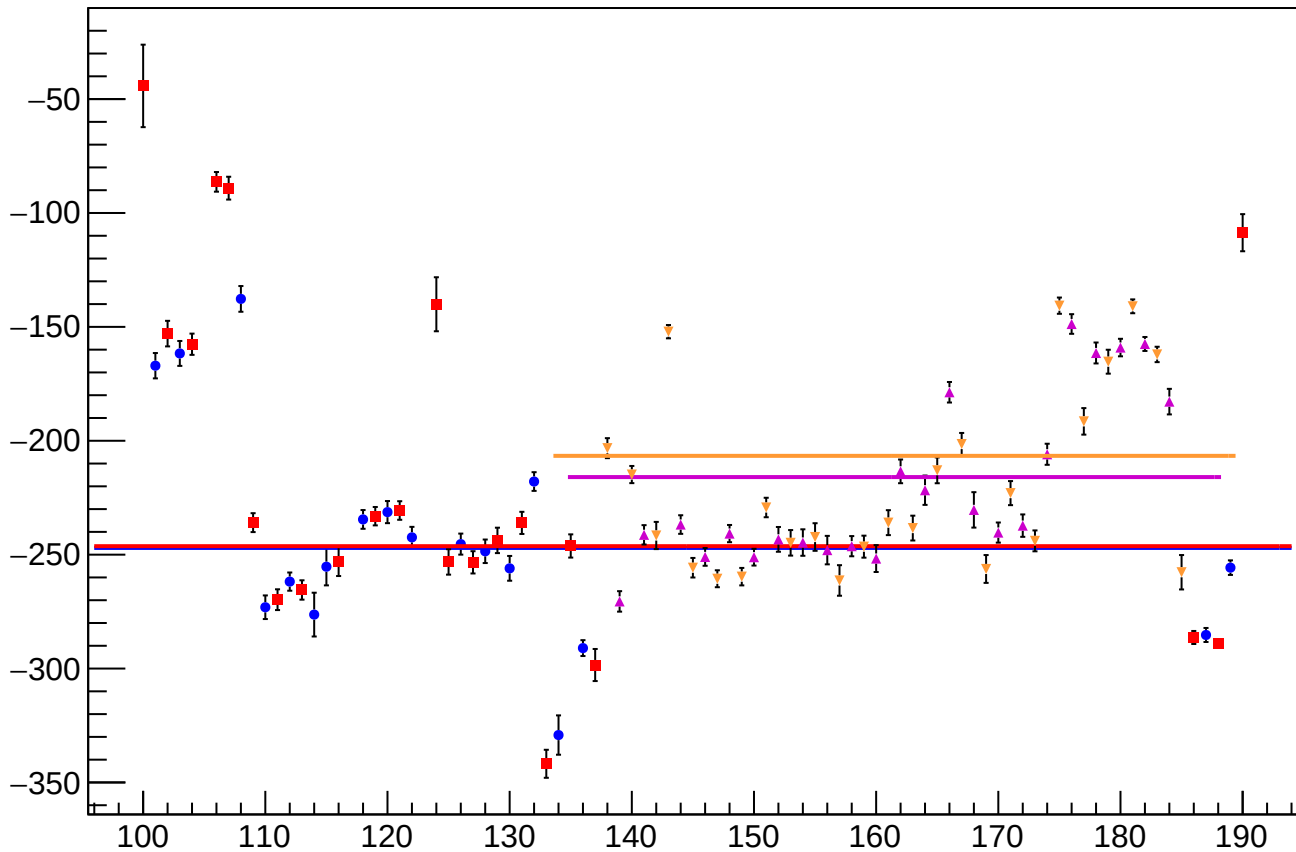
Left In: 4.513 ± 0.714 χ^2/NDF : 547.1/22

+ sign 2.851 ± 0.563 χ^2/NDF : 950.3/42

All: 2.663 ± 0.402 χ^2/NDF : 2035.7/87

- sign 2.467 ± 0.574 χ^2/NDF : 1085.2/44

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -247.036+/-1.086 χ^2/NDF : 1360.6/17

Left Out: -206.617+/-0.895 χ^2/NDF : 2467.8/24

Right Out: -246.279+/-0.892 χ^2/NDF : 4783.2/21

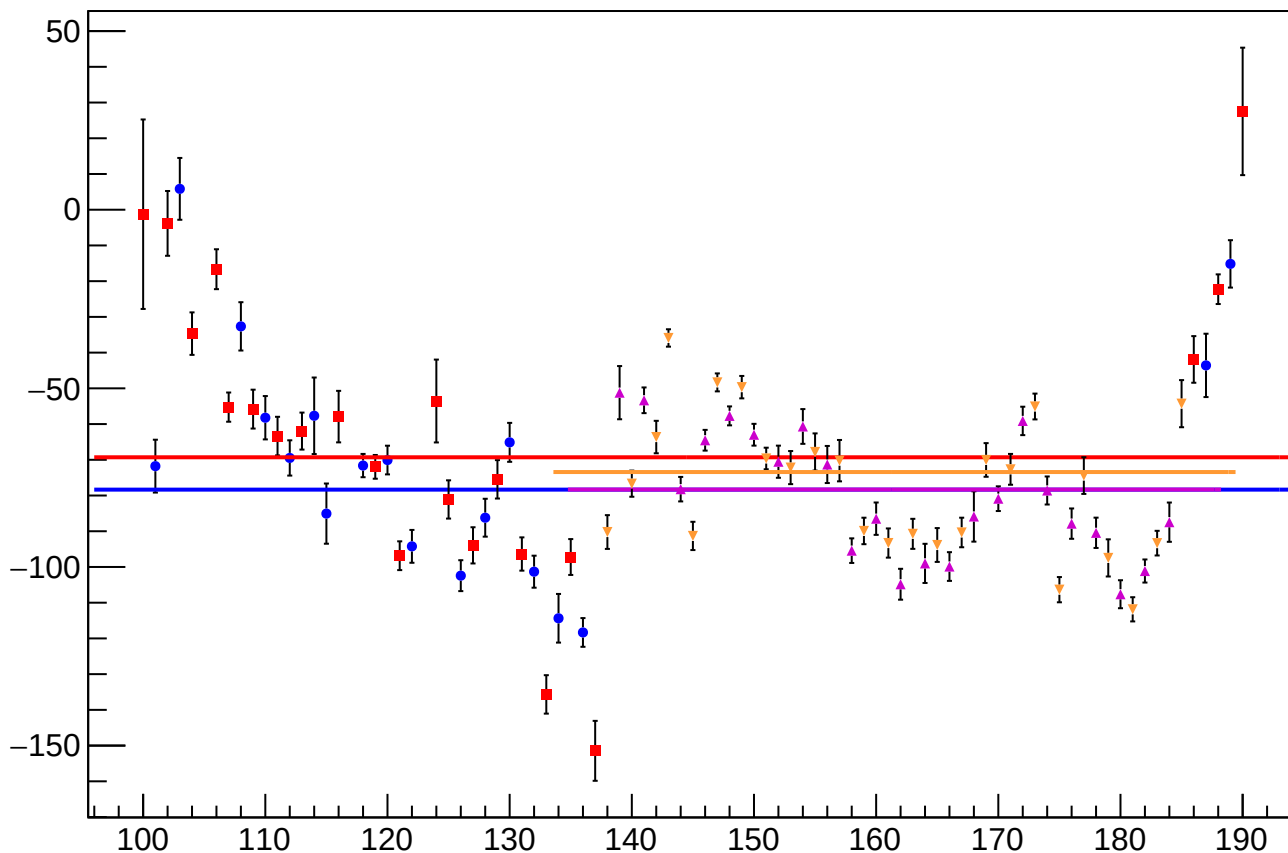
Left In: -215.938+/-0.946 χ^2/NDF : 1711.9/22

+ sign -222.961+/-0.691 χ^2/NDF : 4653.6/42

All: -227.759+/-0.473 χ^2/NDF : 11784.0/87

- sign -231.998+/-0.649 χ^2/NDF : 7039.5/44

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -78.351 ± 1.251 $\chi^2/\text{NDF}: 478.5/17$

Left Out: -73.426 ± 0.767 $\chi^2/\text{NDF}: 836.6/24$

Right Out: -69.297 ± 1.158 $\chi^2/\text{NDF}: 772.6/21$

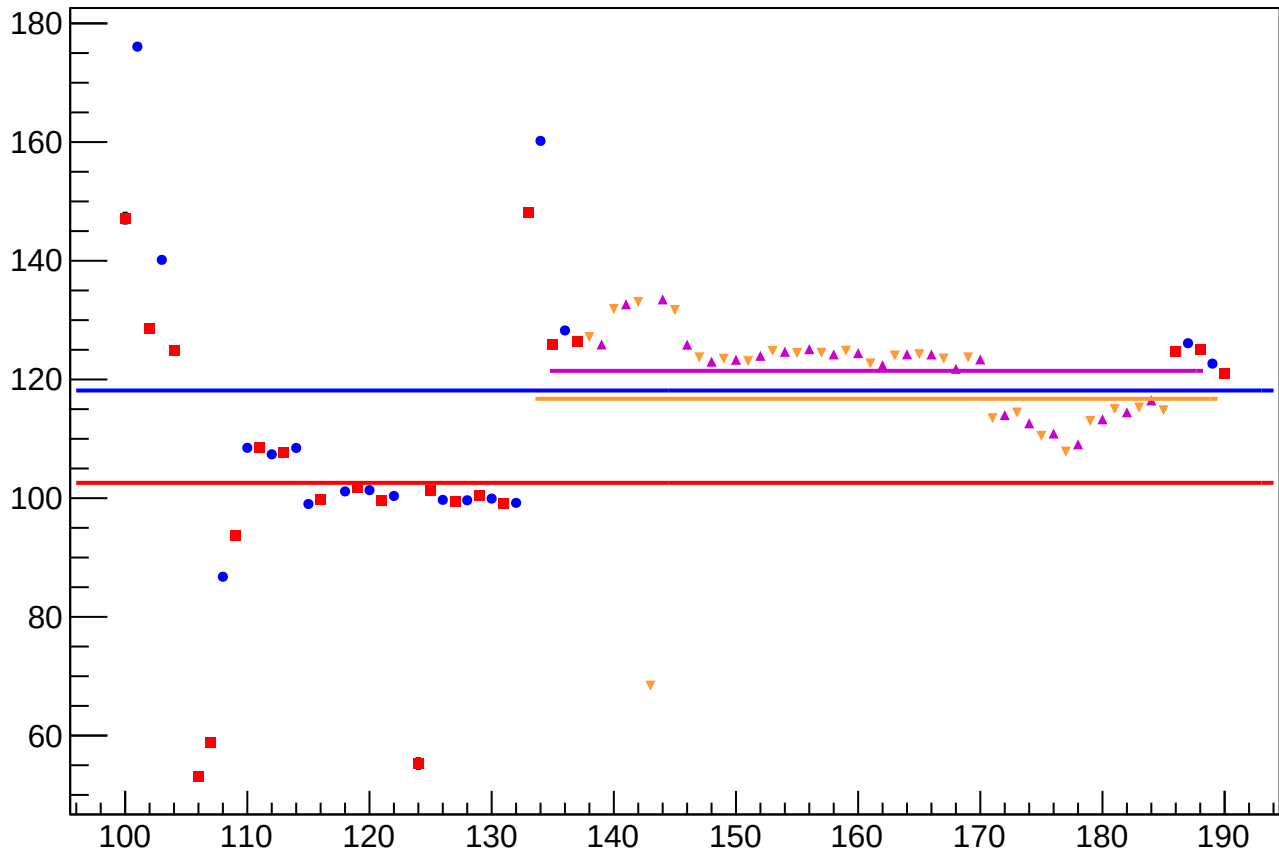
Left In: -78.329 ± 0.817 $\chi^2/\text{NDF}: 443.2/22$

+ sign -74.772 ± 0.654 $\chi^2/\text{NDF}: 1326.3/42$

All: -75.044 ± 0.467 $\chi^2/\text{NDF}: 2583.0/87$

- sign -75.327 ± 0.668 $\chi^2/\text{NDF}: 1256.4/44$

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 118.141 $\pm$ 0.075 χ^2 /NDF: 95897.9/17

Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF: 203650.9/24

Right Out: 102.585 $\pm$ 0.066 χ^2 /NDF: 181306.8/21

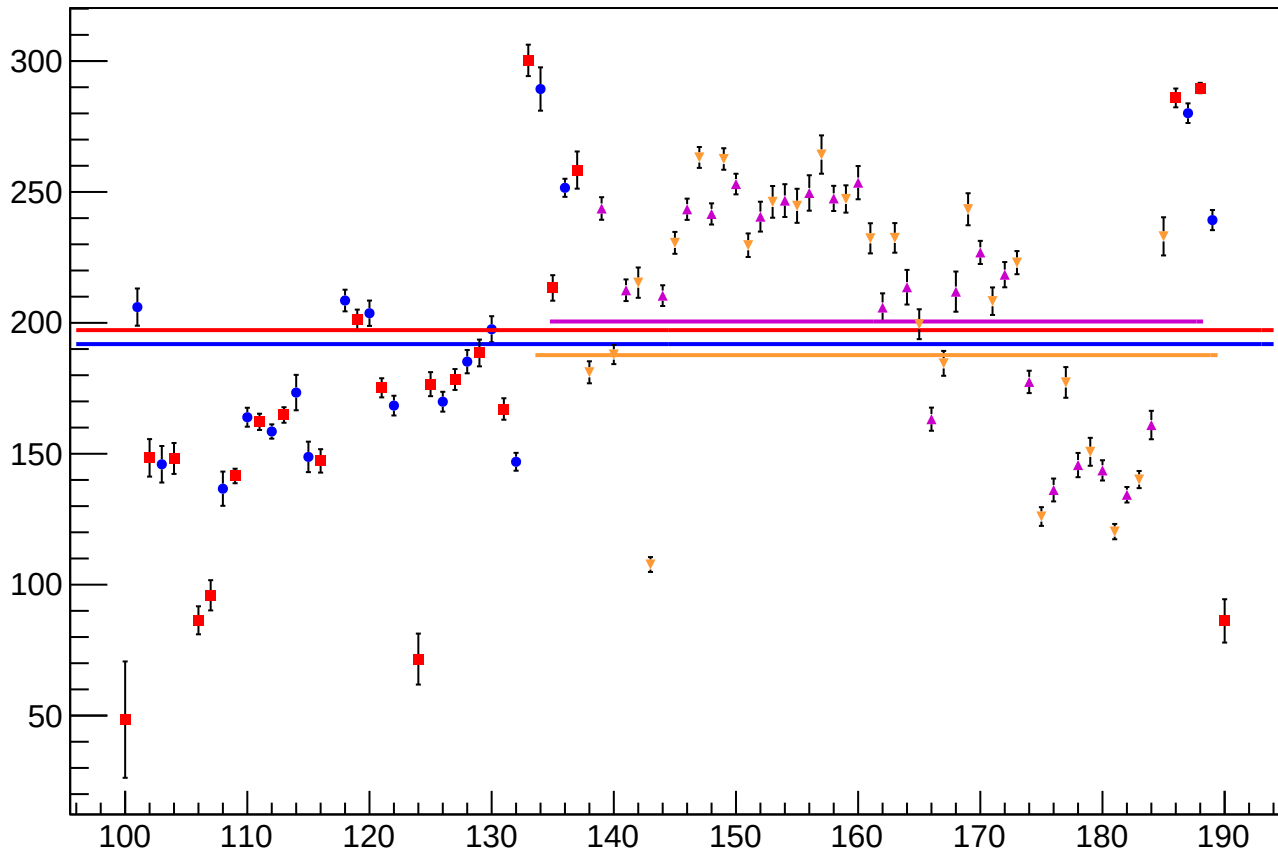
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF: 28796.4/22

+ sign 117.000 $\pm$ 0.032 χ^2 /NDF: 299832.2/42

All: 116.945 $\pm$ 0.023 χ^2 /NDF: 571974.2/87

- sign 116.889 $\pm$ 0.032 χ^2 /NDF: 272136.1/44

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 191.889 $\pm$ 1.010 χ^2/NDF : 1805.5/17

Left Out: 187.681 $\pm$ 0.898 χ^2/NDF : 3528.3/24

Right Out: 197.223 $\pm$ 0.875 χ^2/NDF : 5332.3/21

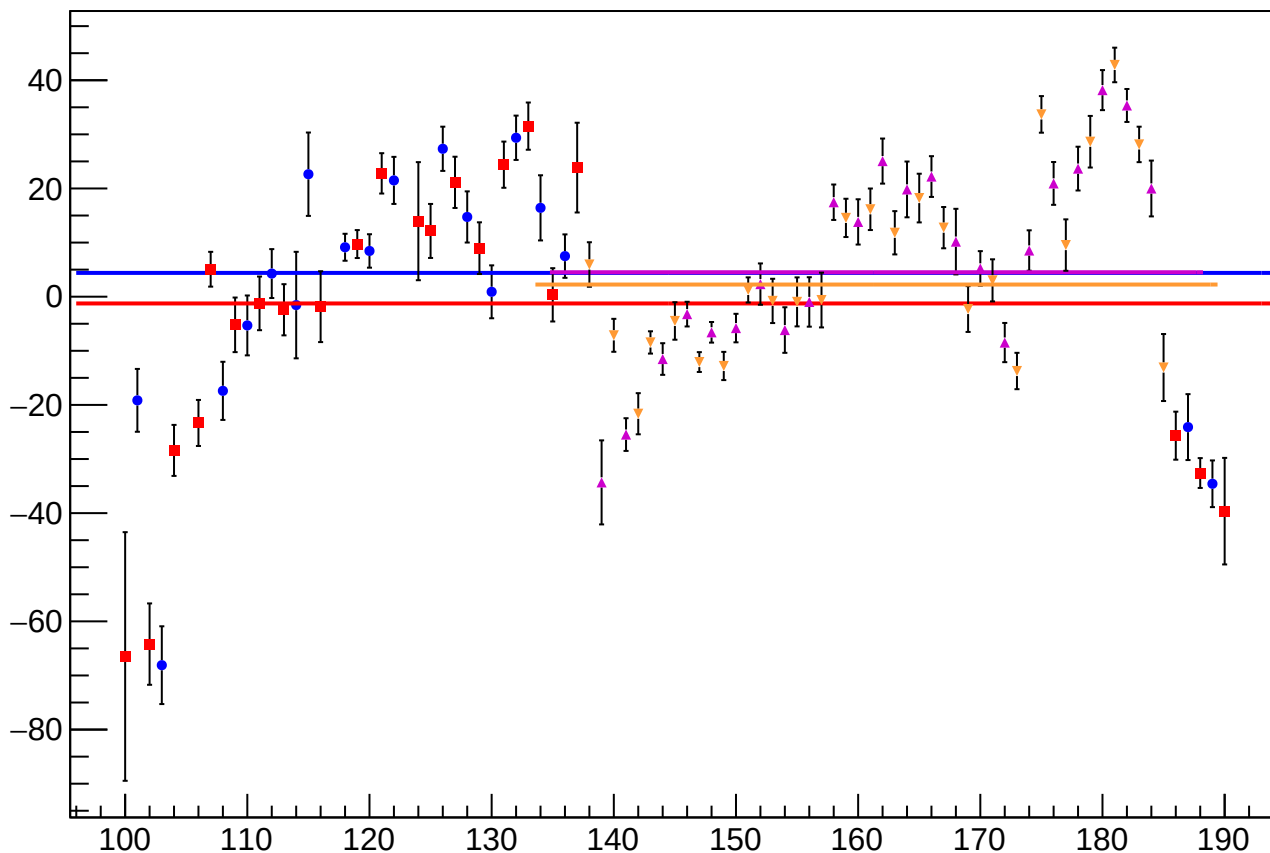
Left In: 200.521 $\pm$ 0.955 χ^2/NDF : 2111.4/22

+ sign 189.538 $\pm$ 0.671 χ^2/NDF : 5343.5/42

All: 194.313 $\pm$ 0.465 χ^2/NDF : 12891.2/87

- sign 198.727 $\pm$ 0.645 χ^2/NDF : 7450.2/44

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 4.396 ± 1.061 $\chi^2/\text{NDF}: 346.5/17$

Left Out: 2.245 ± 0.665 $\chi^2/\text{NDF}: 600.9/24$

Right Out: -1.250 ± 0.963 $\chi^2/\text{NDF}: 515.0/21$

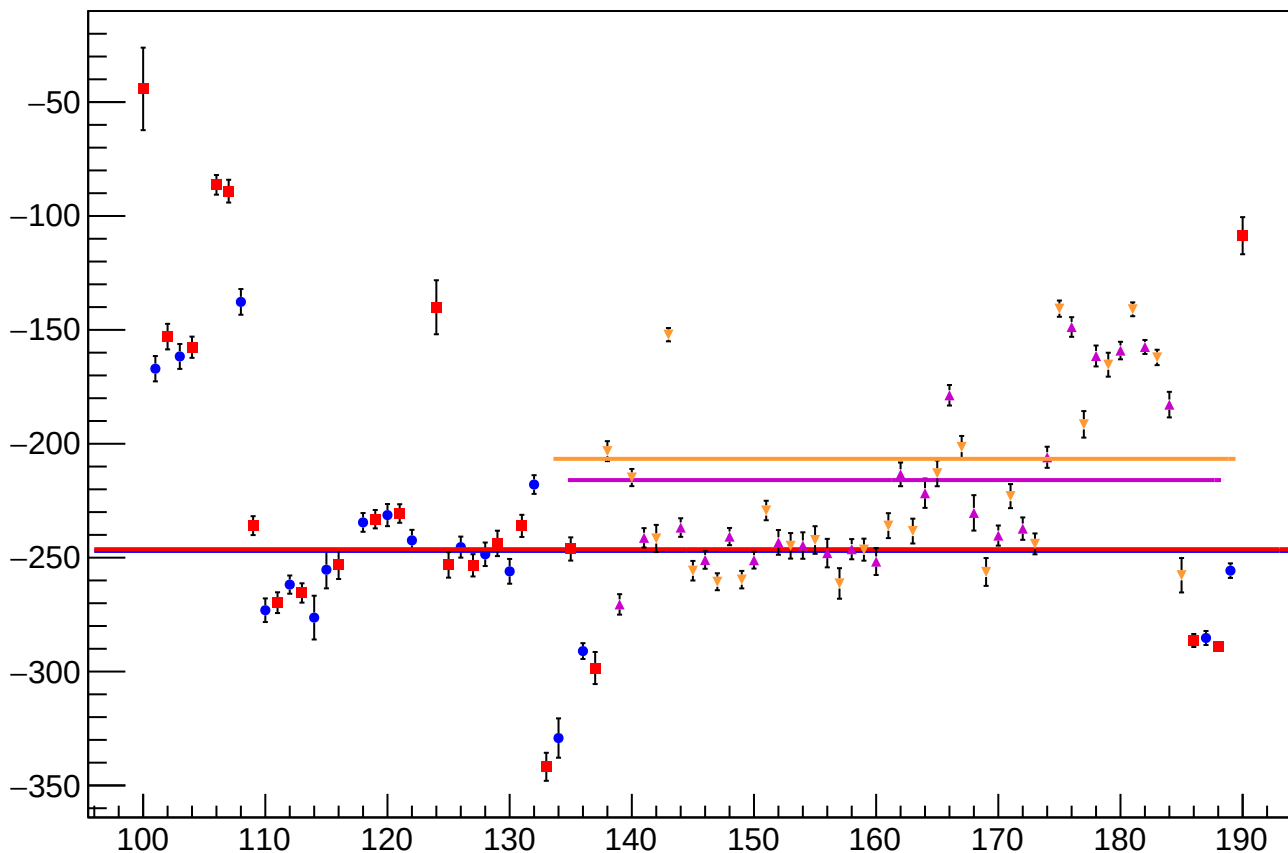
Left In: 4.513 ± 0.714 $\chi^2/\text{NDF}: 547.1/22$

+ sign 2.851 ± 0.563 $\chi^2/\text{NDF}: 950.3/42$

All: 2.663 ± 0.402 $\chi^2/\text{NDF}: 2035.7/87$

- sign 2.467 ± 0.574 $\chi^2/\text{NDF}: 1085.2/44$

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -247.036 ± 1.086 $\chi^2/\text{NDF}: 1360.6/17$

Left Out: -206.617 ± 0.895 $\chi^2/\text{NDF}: 2467.8/24$

Right Out: -246.279 ± 0.892 $\chi^2/\text{NDF}: 4783.2/21$

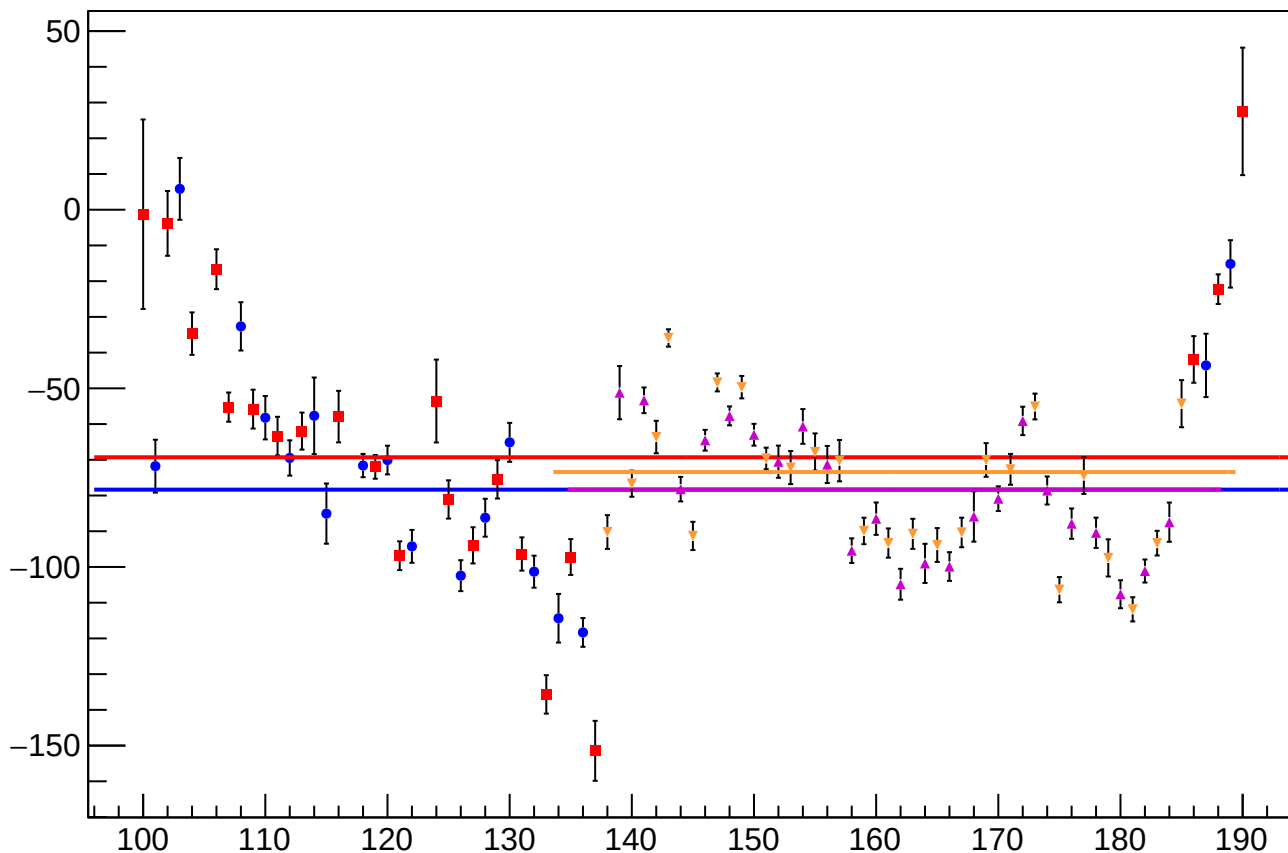
Left In: -215.938 ± 0.946 $\chi^2/\text{NDF}: 1711.9/22$

+ sign -222.961 ± 0.691 $\chi^2/\text{NDF}: 4653.6/42$

All: -227.759 ± 0.473 $\chi^2/\text{NDF}: 11784.0/87$

- sign -231.998 ± 0.649 $\chi^2/\text{NDF}: 7039.5/44$

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug



Right In: -78.351 ± 1.251 χ^2/NDF : 478.5/17

Left Out: -73.426 ± 0.767 χ^2/NDF : 836.6/24

Right Out: -69.297 ± 1.158 χ^2/NDF : 772.6/21

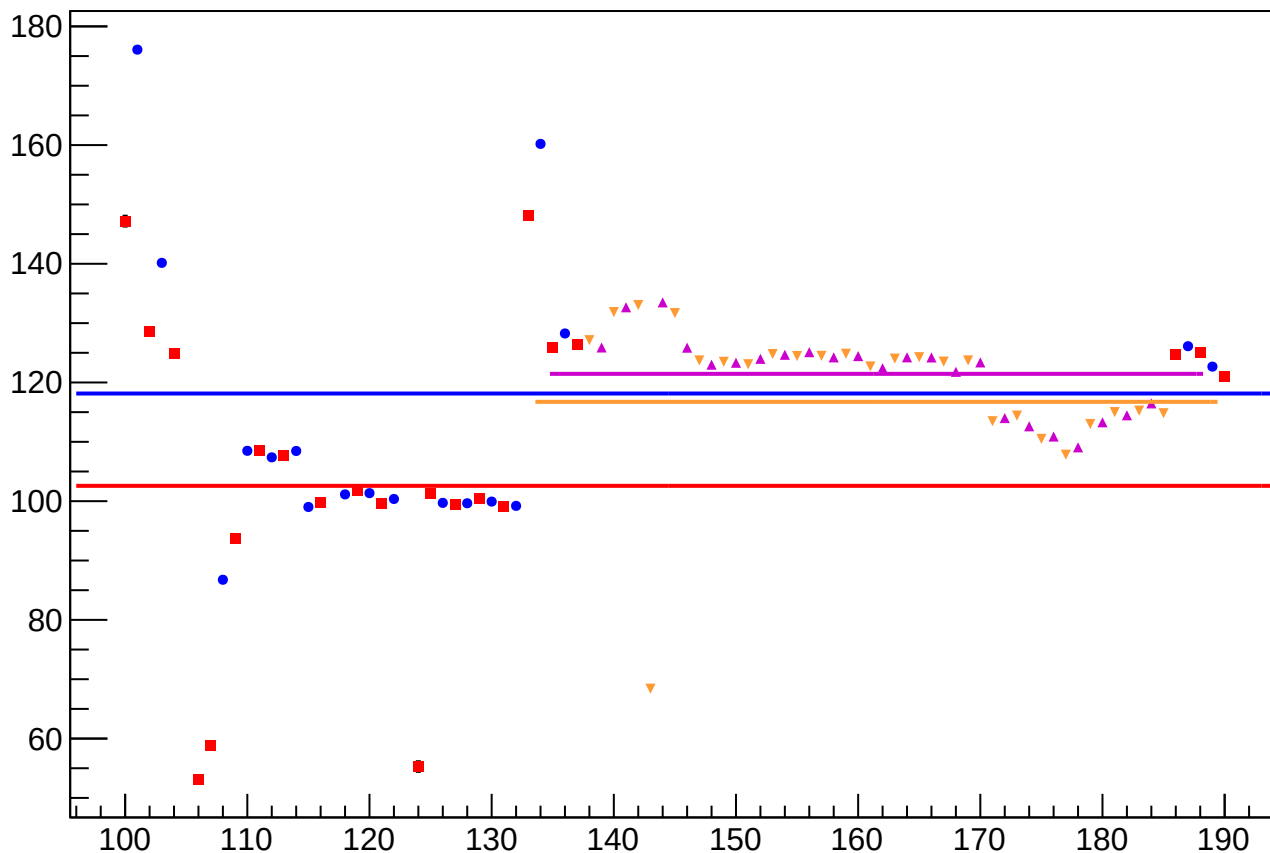
Left In: -78.329 ± 0.817 χ^2/NDF : 443.2/22

+ sign -74.772 ± 0.654 χ^2/NDF : 1326.3/42

All: -75.044 ± 0.467 χ^2/NDF : 2583.0/87

- sign -75.327 ± 0.668 χ^2/NDF : 1256.4/44

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug



Right In: 118.141 $\pm$ 0.075 χ^2 /NDF: 95897.9/17

Left Out: 116.740 $\pm$ 0.036 χ^2 /NDF: 203650.9/24

Right Out: 102.585 $\pm$ 0.066 χ^2 /NDF: 181306.8/21

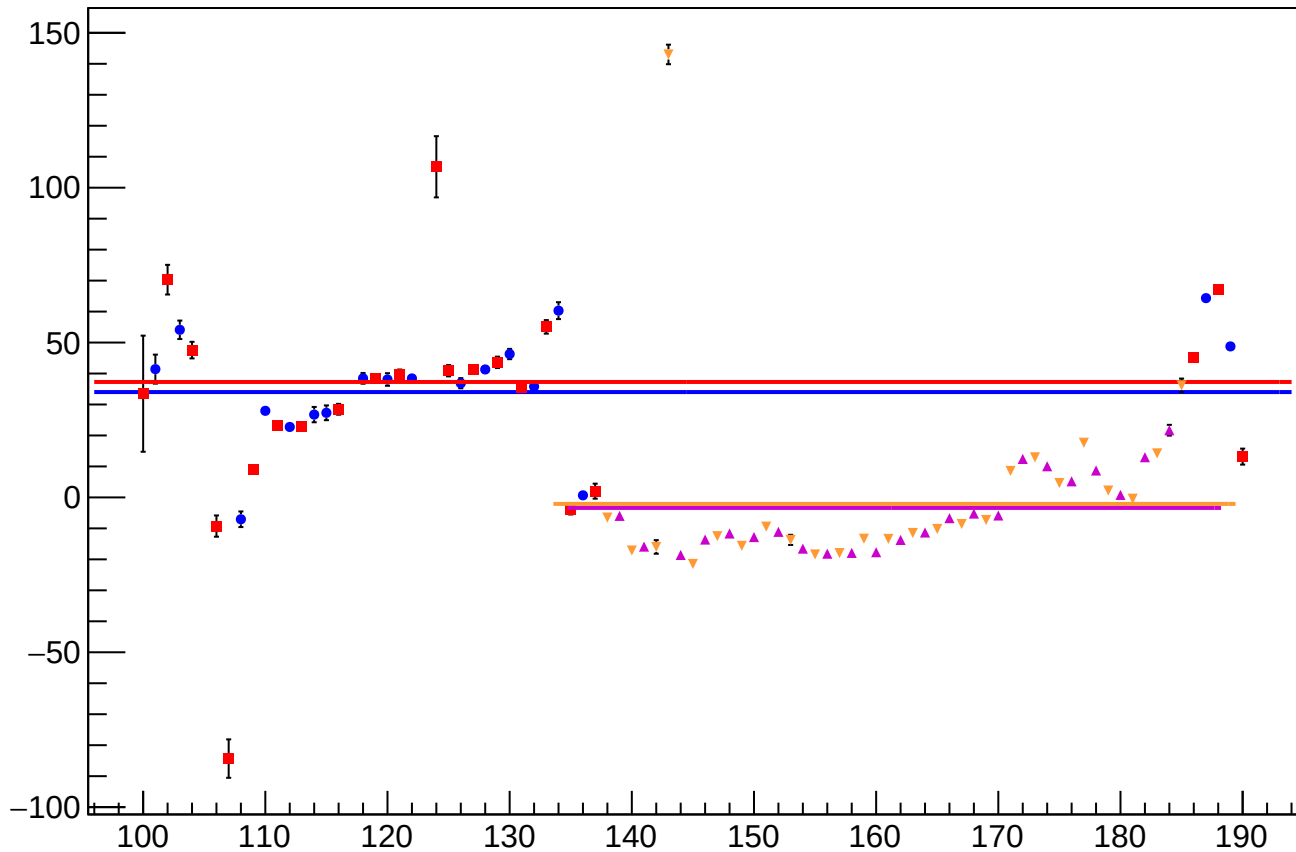
Left In: 121.455 $\pm$ 0.037 χ^2 /NDF: 28796.4/22

+ sign 117.000 $\pm$ 0.032 χ^2 /NDF: 299832.2/42

All: 116.945 $\pm$ 0.023 χ^2 /NDF: 571974.2/87

- sign 116.889 $\pm$ 0.032 χ^2 /NDF: 272136.1/44

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug



Right In: 34.012 $\pm$ 0.386 χ^2 /NDF: 2151.2/17

Left Out: -2.091 $\pm$ 0.267 χ^2 /NDF: 4201.3/24

Right Out: 37.276 $\pm$ 0.328 χ^2 /NDF: 4380.6/21

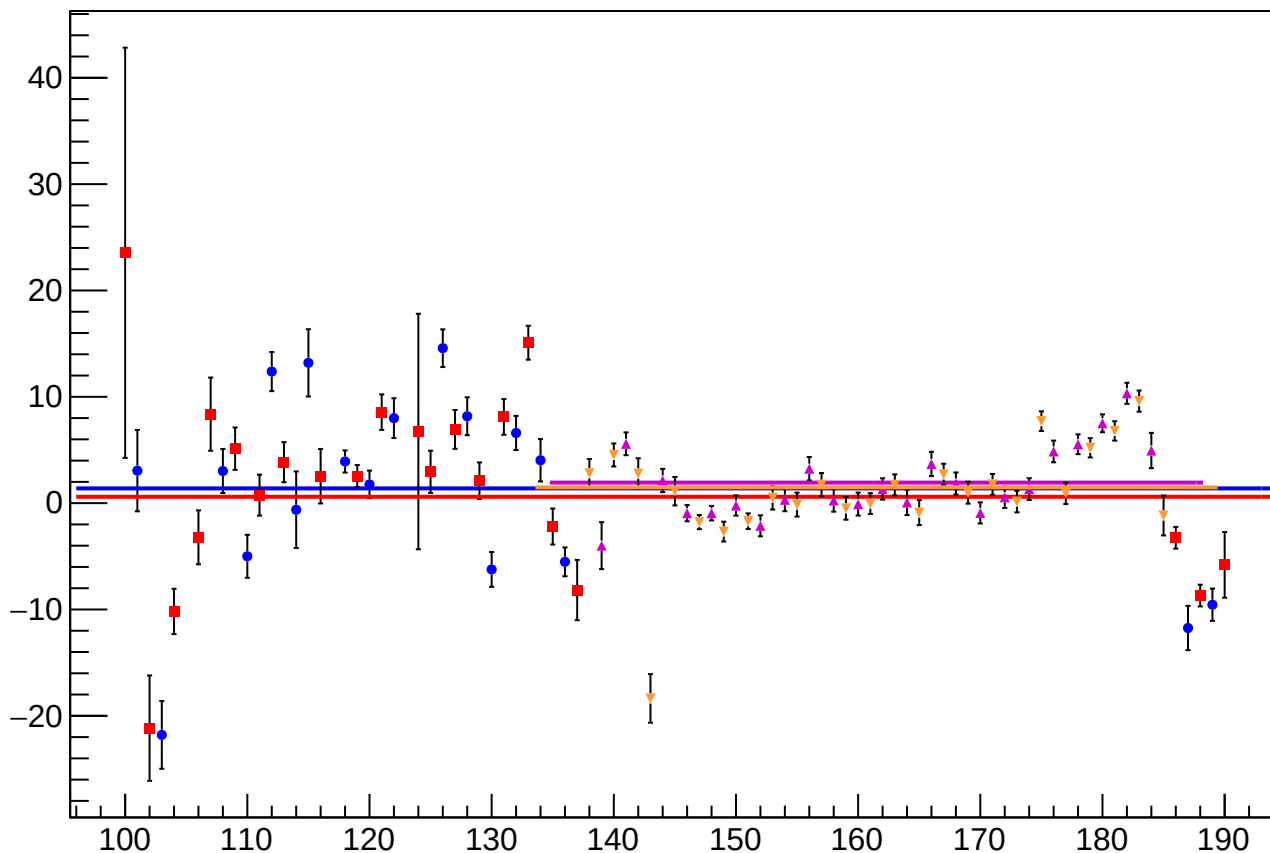
Left In: -3.391 $\pm$ 0.271 χ^2 /NDF: 1752.8/22

+ sign 9.577 $\pm$ 0.219 χ^2 /NDF: 12271.7/42

All: 11.426 $\pm$ 0.151 χ^2 /NDF: 27655.3/87

- sign 13.105 $\pm$ 0.209 χ^2 /NDF: 15248.2/44

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.388 $\pm$ 0.416 χ^2 /NDF: 353.7/17

Left Out: 1.489 $\pm$ 0.205 χ^2 /NDF: 328.6/24

Right Out: 0.601 $\pm$ 0.381 χ^2 /NDF: 318.9/21

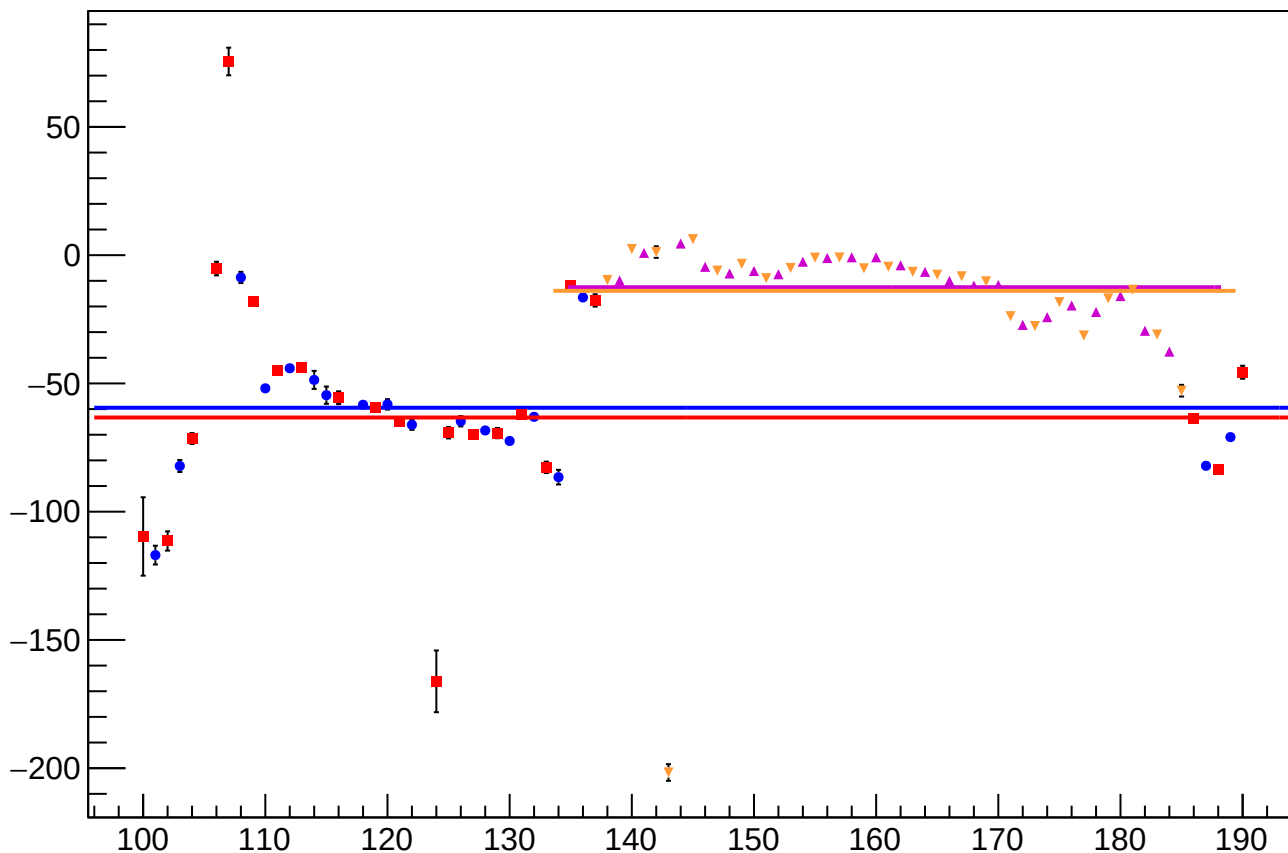
Left In: 1.933 $\pm$ 0.210 χ^2 /NDF: 240.7/22

+ sign 1.469 $\pm$ 0.184 χ^2 /NDF: 682.3/42

All: 1.545 $\pm$ 0.130 χ^2 /NDF: 1251.6/87

- sign 1.622 $\pm$ 0.184 χ^2 /NDF: 568.9/44

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -59.475 ± 0.412 χ^2/NDF : 3103.9/17

Left Out: -13.908 ± 0.265 χ^2/NDF : 5128.3/24

Right Out: -63.286 ± 0.327 χ^2/NDF : 4972.1/21

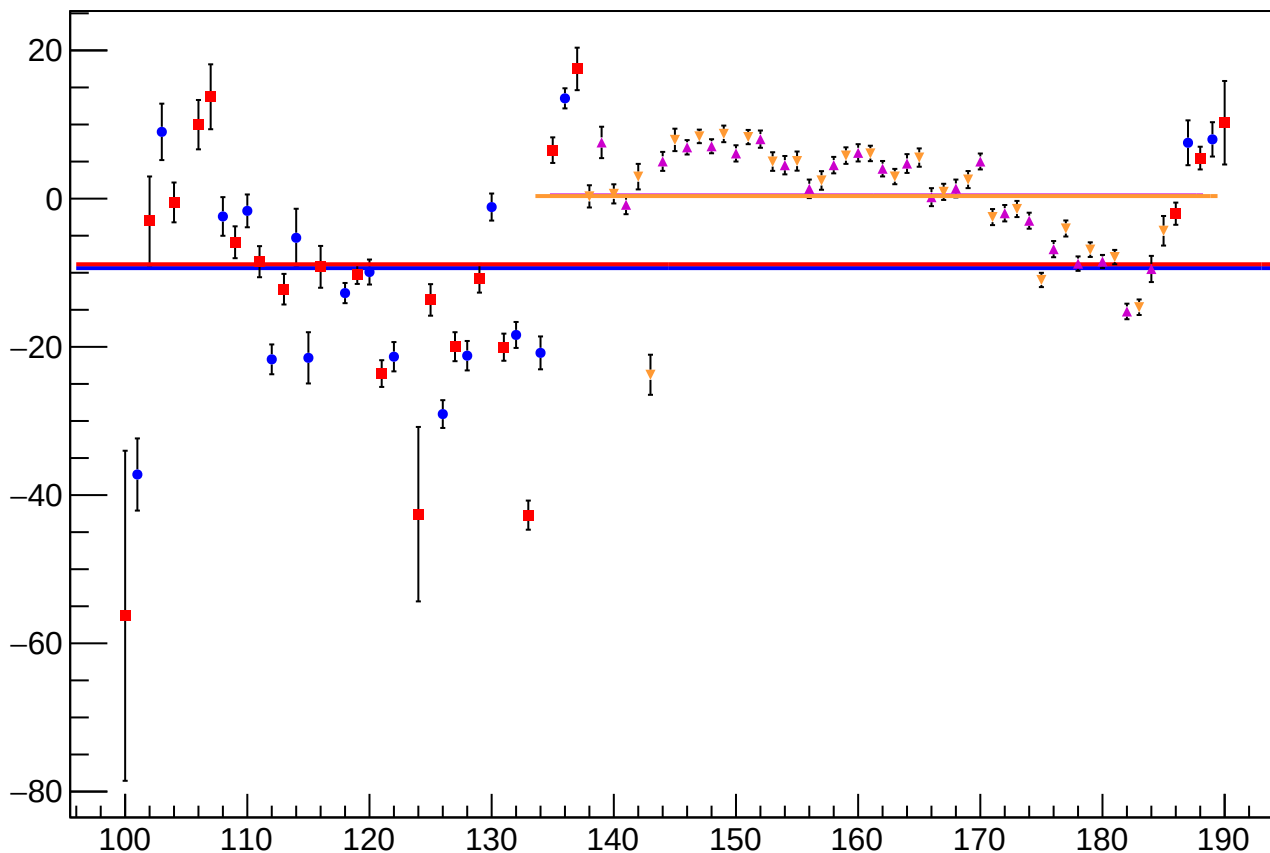
Left In: -12.494 ± 0.269 χ^2/NDF : 1430.3/22

+ sign -27.215 ± 0.223 χ^2/NDF : 16886.1/42

All: -30.306 ± 0.152 χ^2/NDF : 38065.7/87

- sign -32.988 ± 0.208 χ^2/NDF : 20819.9/44

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -9.376 ± 0.487 χ^2/NDF : 760.4/17

Left Out: 0.345 ± 0.231 χ^2/NDF : 921.9/24

Right Out: -8.856 ± 0.463 χ^2/NDF : 810.6/21

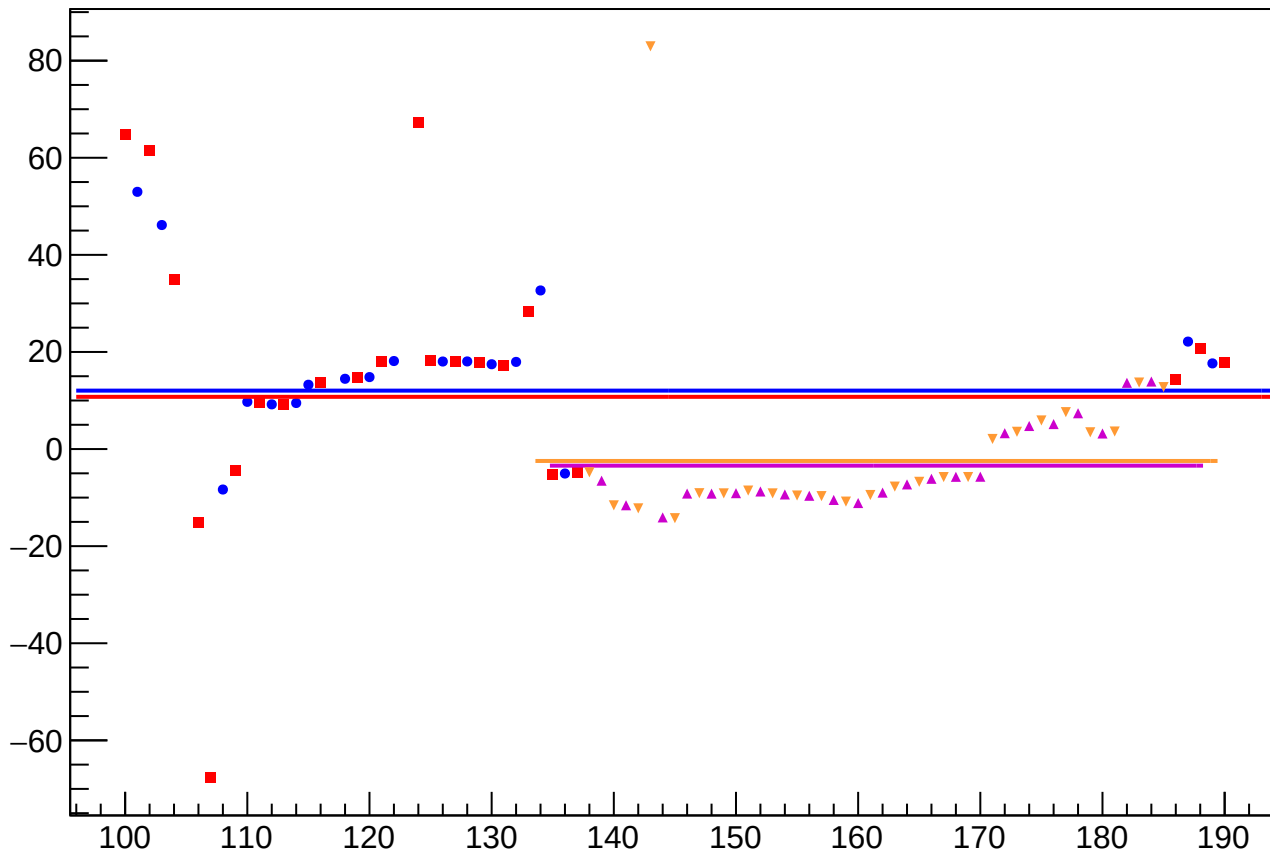
Left In: 0.433 ± 0.237 χ^2/NDF : 782.1/22

+ sign -1.442 ± 0.209 χ^2/NDF : 2007.0/42

All: -1.465 ± 0.148 χ^2/NDF : 3918.5/87

- sign -1.489 ± 0.211 χ^2/NDF : 1911.4/44

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug



Right In: 12.036 $\pm$ 0.028 χ^2 /NDF: 356350.3/17

Left Out: -2.452 $\pm$ 0.010 χ^2 /NDF: 961833.3/24

Right Out: 10.757 $\pm$ 0.028 χ^2 /NDF: 458693.9/21

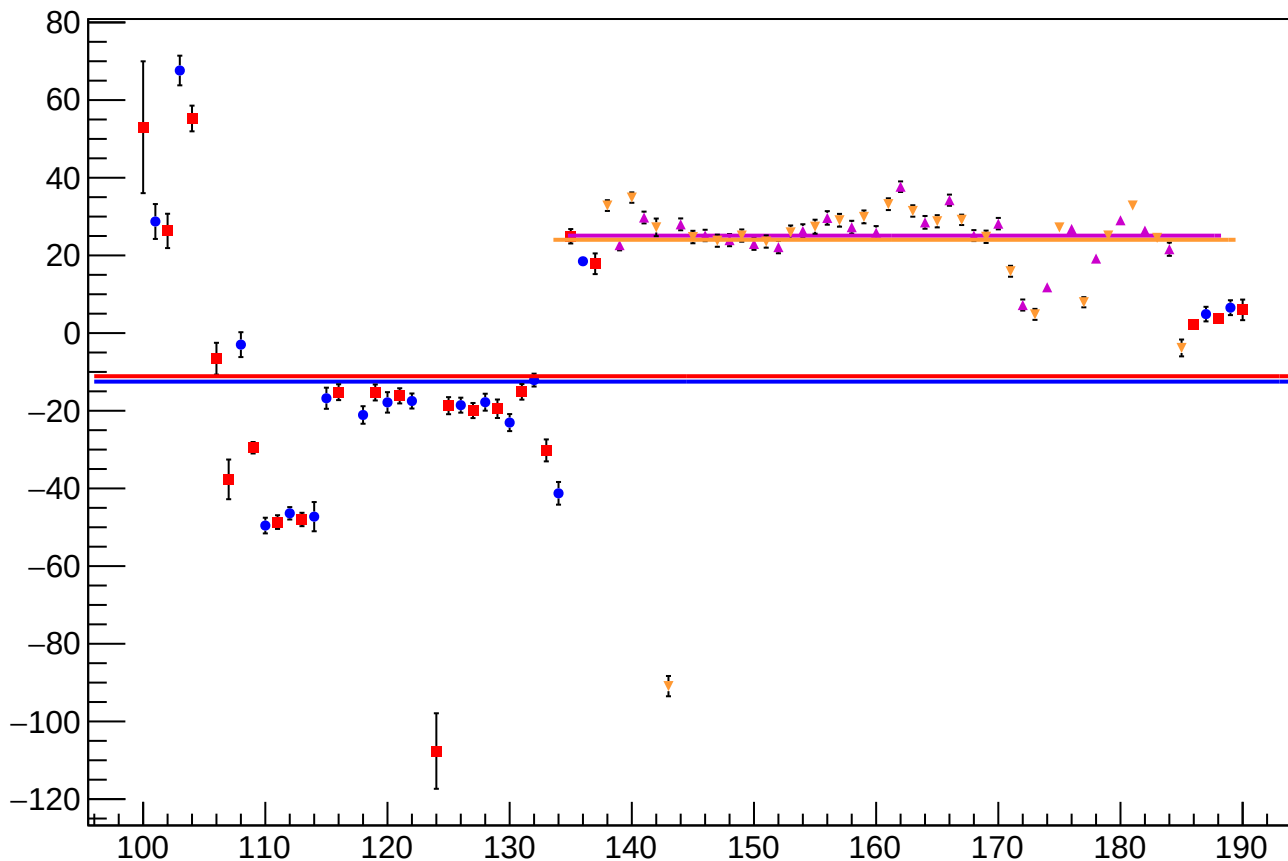
Left In: -3.418 $\pm$ 0.010 χ^2 /NDF: 546802.2/22

+ sign -0.753 $\pm$ 0.010 χ^2 /NDF: 1547855.7/42

All: -1.212 $\pm$ 0.007 χ^2 /NDF: 2784314.9/87

- sign -1.677 $\pm$ 0.010 χ^2 /NDF: 1231974.0/44

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



Right In: -12.496 ± 0.500 χ^2/NDF : 2338.6/17

Left Out: 24.025 ± 0.282 χ^2/NDF : 2802.2/24

Right Out: -11.106 ± 0.437 χ^2/NDF : 2635.0/21

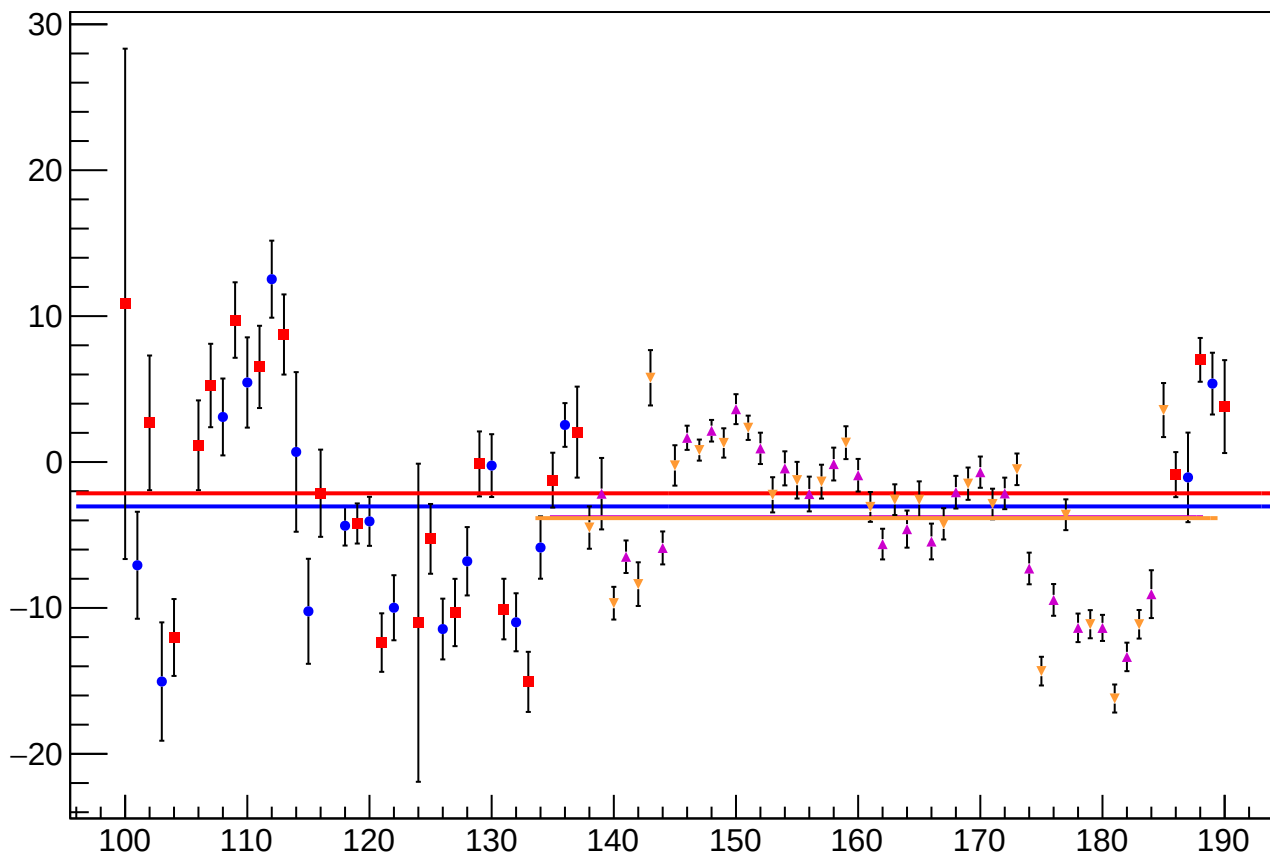
Left In: 25.089 ± 0.287 χ^2/NDF : 495.3/22

+ sign 15.214 ± 0.246 χ^2/NDF : 9186.7/42

All: 14.681 ± 0.172 χ^2/NDF : 17116.3/87

- sign 14.172 ± 0.240 χ^2/NDF : 7920.4/44

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.043 ± 0.526 $\chi^2/\text{NDF}: 141.5/17$

Left Out: -3.845 ± 0.218 $\chi^2/\text{NDF}: 649.4/24$

Right Out: -2.144 ± 0.493 $\chi^2/\text{NDF}: 211.0/21$

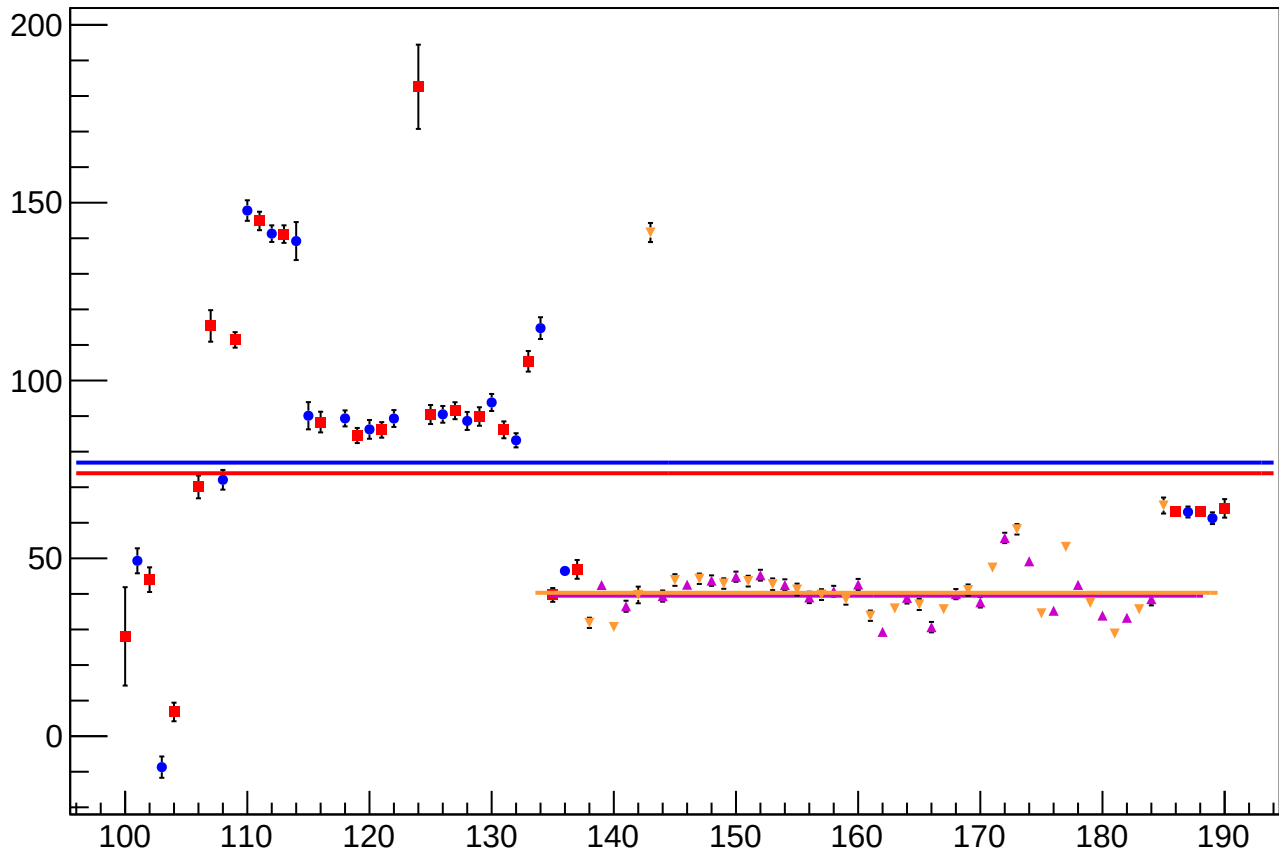
Left In: -3.780 ± 0.224 $\chi^2/\text{NDF}: 509.8/22$

+ sign -3.728 ± 0.201 $\chi^2/\text{NDF}: 792.9/42$

All: -3.616 ± 0.143 $\chi^2/\text{NDF}: 1523.4/87$

- sign -3.501 ± 0.204 $\chi^2/\text{NDF}: 729.9/44$

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 76.924 ± 0.534 χ^2/NDF : 3451.6/17

Left Out: 40.315 ± 0.280 χ^2/NDF : 2182.8/24

Right Out: 73.926 ± 0.441 χ^2/NDF : 3761.4/21

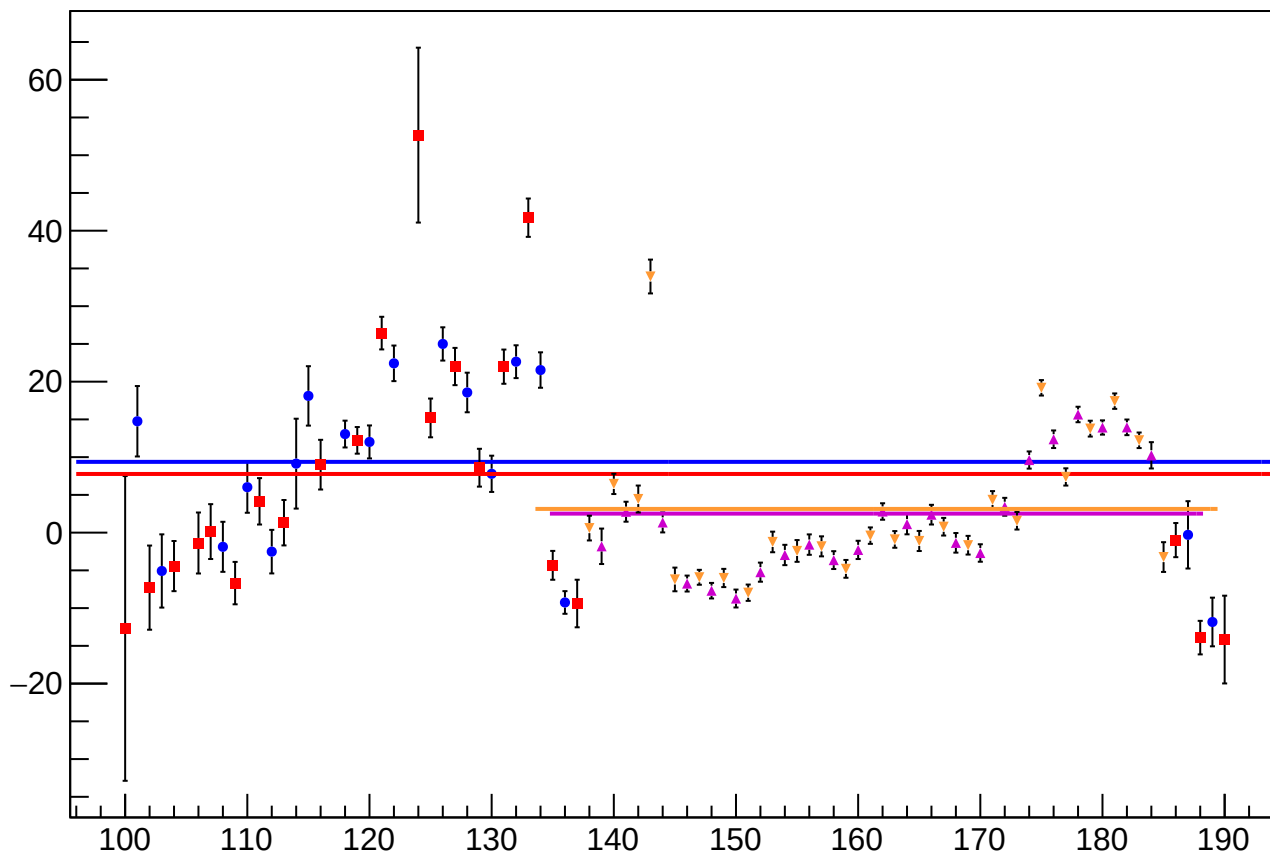
Left In: 39.504 ± 0.285 χ^2/NDF : 432.1/22

+ sign 48.210 ± 0.248 χ^2/NDF : 9316.8/42

All: 48.946 ± 0.172 χ^2/NDF : 17826.8/87

- sign 49.630 ± 0.239 χ^2/NDF : 8493.0/44

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 9.376 ± 0.609 χ^2/NDF : 410.2/17

Left Out: 3.142 ± 0.245 χ^2/NDF : 1267.0/24

Right Out: 7.771 ± 0.591 χ^2/NDF : 613.9/21

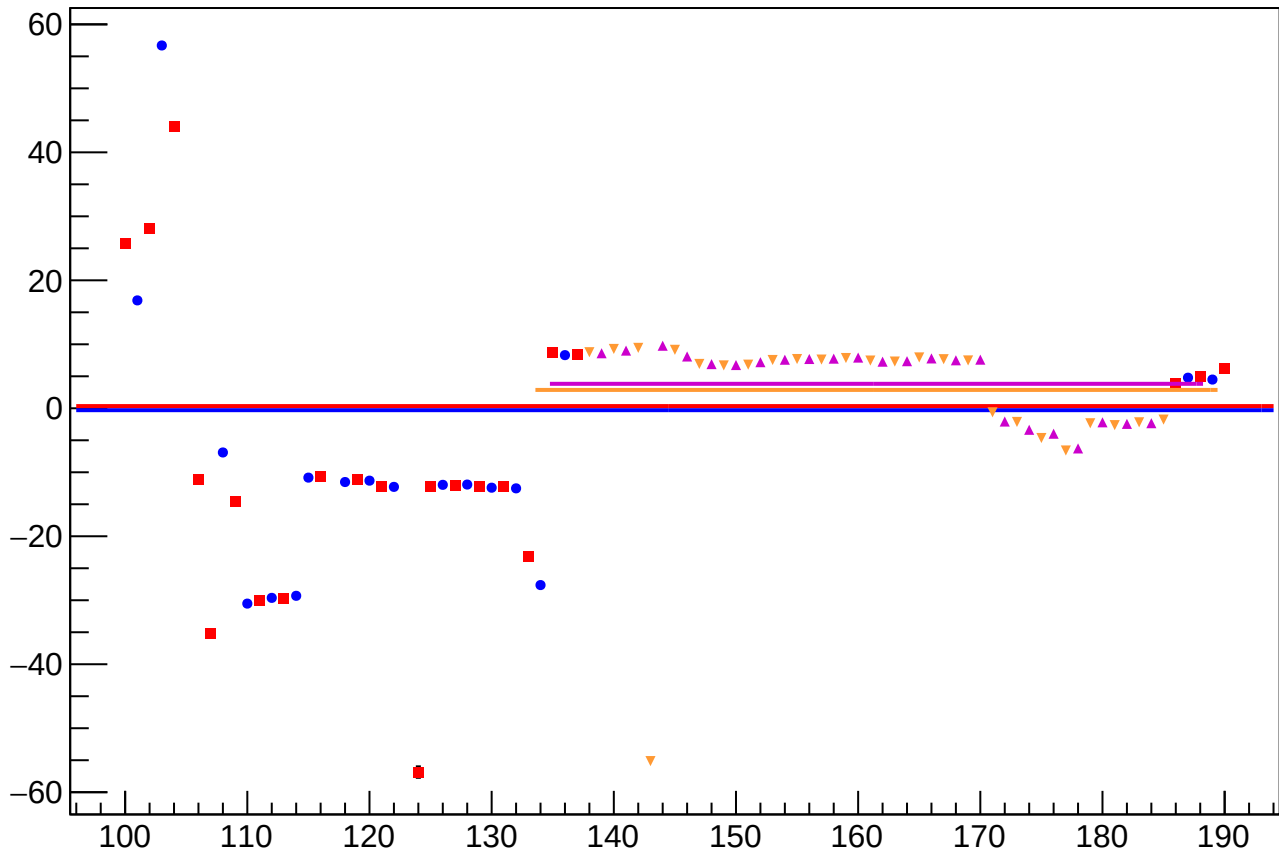
Left In: 2.519 ± 0.251 χ^2/NDF : 968.2/22

+ sign 4.012 ± 0.228 χ^2/NDF : 1767.3/42

All: 3.672 ± 0.162 χ^2/NDF : 3420.9/87

- sign 3.322 ± 0.231 χ^2/NDF : 1649.0/44

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug



Right In: -0.295 ± 0.034 χ^2/NDF : 369846.8/17

Left Out: 2.870 ± 0.011 χ^2/NDF : 512331.0/24

Right Out: 0.344 ± 0.034 χ^2/NDF : 320379.2/21

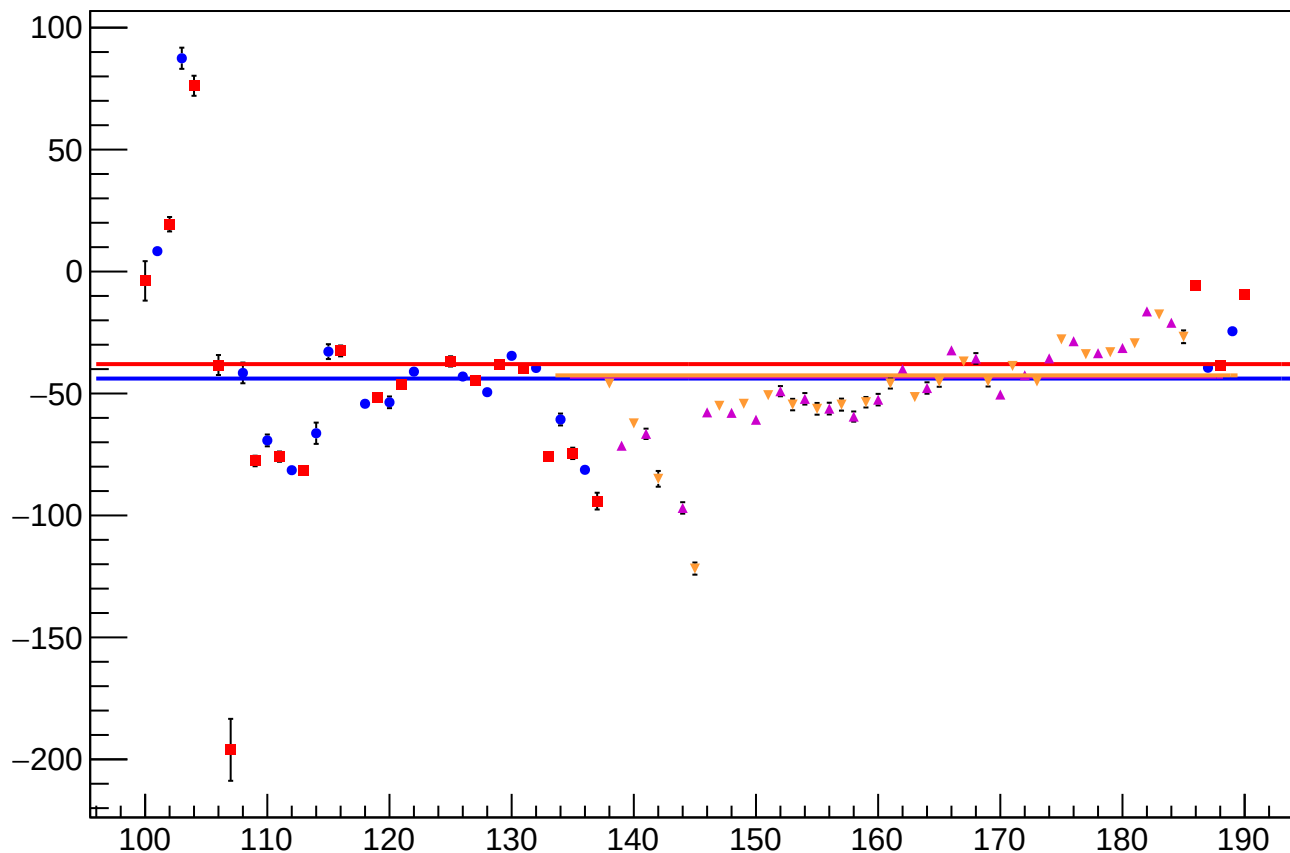
Left In: 3.825 ± 0.011 χ^2/NDF : 233224.7/22

+ sign 2.576 ± 0.010 χ^2/NDF : 889892.1/42

All: 3.028 ± 0.007 χ^2/NDF : 1456784.3/87

- sign 3.488 ± 0.011 χ^2/NDF : 563123.9/44

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -43.874 ± 0.469 $\chi^2/\text{NDF}: 3014.6/17$

Left Out: -42.560 ± 0.378 $\chi^2/\text{NDF}: 2326.4/23$

Right Out: -37.951 ± 0.394 $\chi^2/\text{NDF}: 4955.4/20$

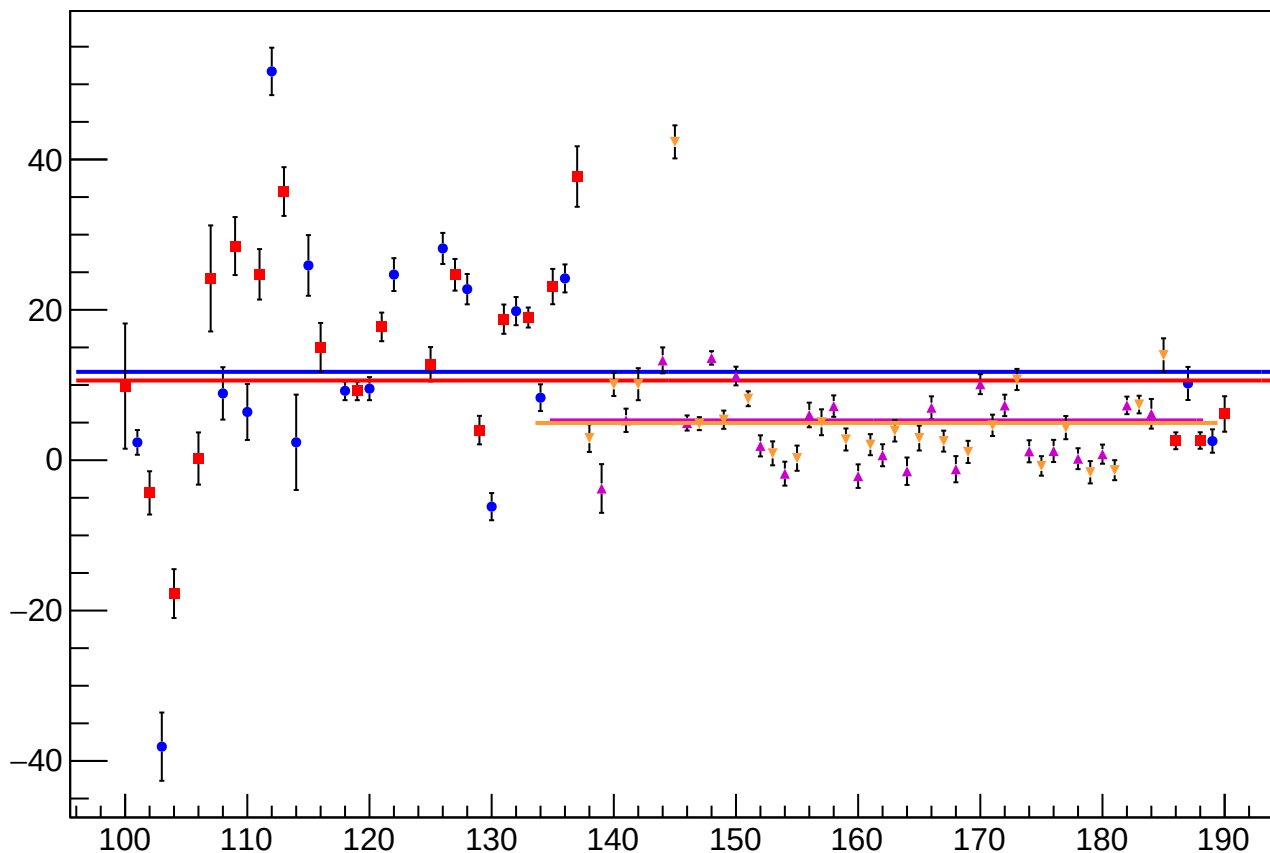
Left In: -43.152 ± 0.382 $\chi^2/\text{NDF}: 2206.6/22$

+ sign -43.079 ± 0.294 $\chi^2/\text{NDF}: 5345.8/41$

All: -41.769 ± 0.201 $\chi^2/\text{NDF}: 12634.7/85$

- sign -40.634 ± 0.274 $\chi^2/\text{NDF}: 7251.9/43$

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 11.751 $\pm$ 0.480 χ^2/NDF : 665.5/17

Left Out: 4.954 $\pm$ 0.288 χ^2/NDF : 449.1/23

Right Out: 10.601 $\pm$ 0.439 χ^2/NDF : 528.2/20

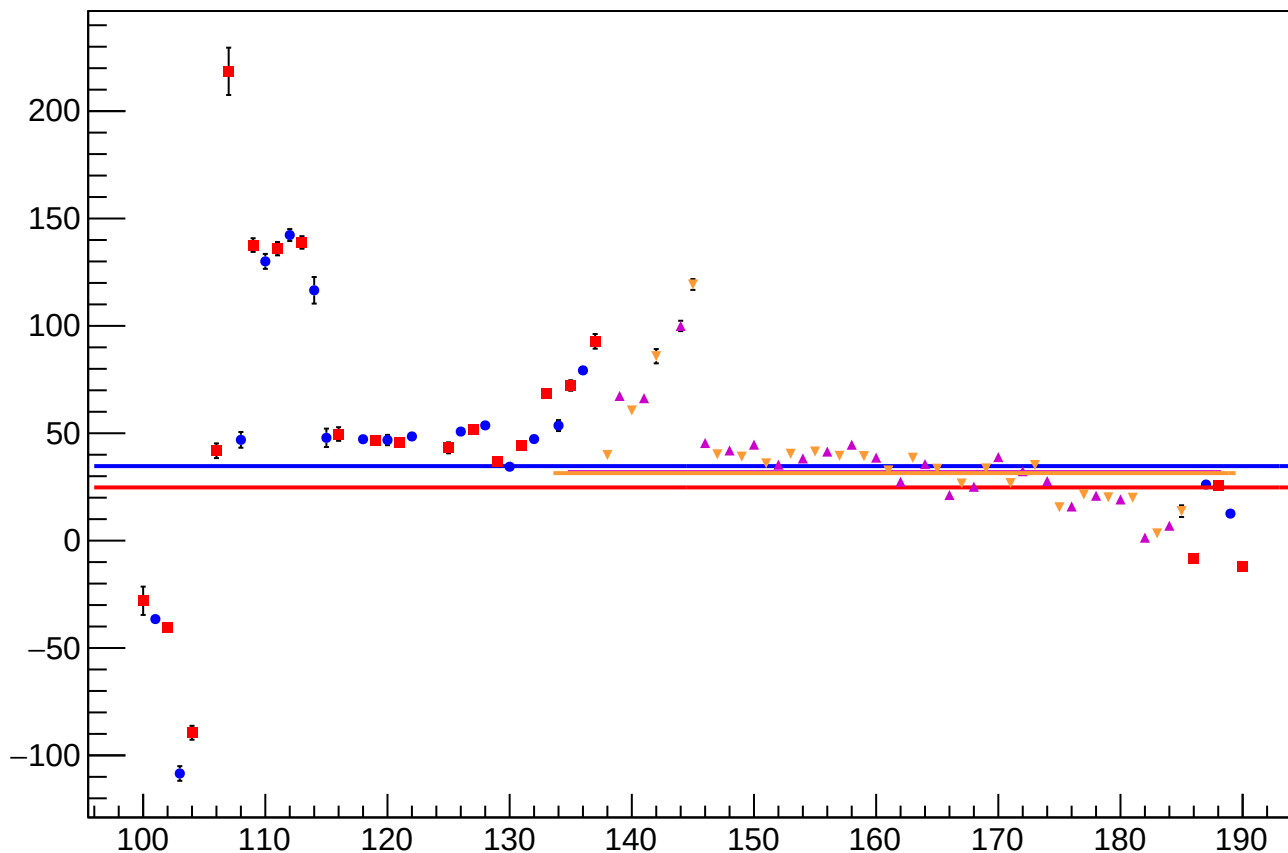
Left In: 5.292 $\pm$ 0.294 χ^2/NDF : 286.4/22

+ sign 6.757 $\pm$ 0.247 χ^2/NDF : 1261.8/41

All: 6.848 $\pm$ 0.174 χ^2/NDF : 2177.5/85

- sign 6.936 $\pm$ 0.244 χ^2/NDF : 915.4/43

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 34.699 $\pm$ 0.474 χ^2 /NDF: 7750.7/17

Left Out: 31.439 $\pm$ 0.376 χ^2 /NDF: 2762.0/23

Right Out: 24.778 $\pm$ 0.370 χ^2 /NDF: 10888.8/20

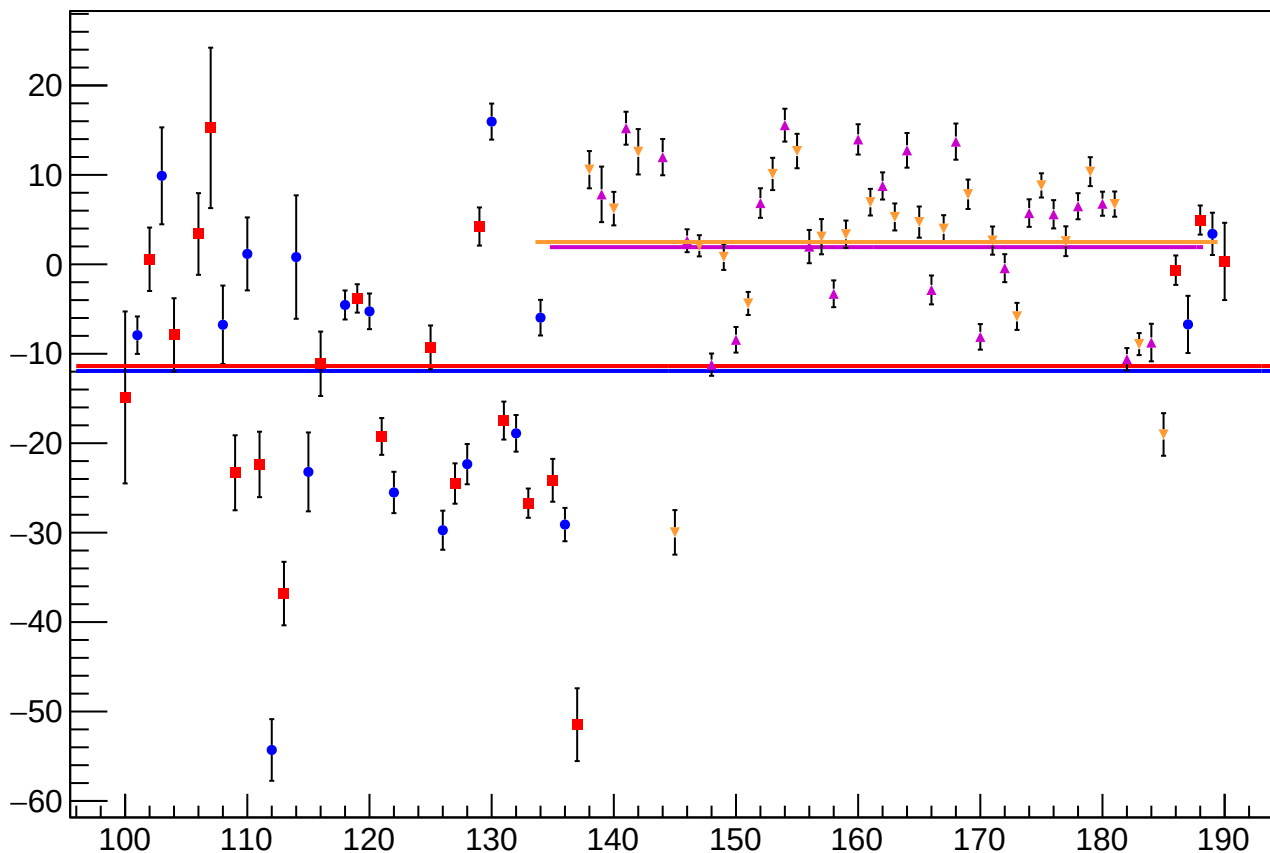
Left In: 31.895 $\pm$ 0.378 χ^2 /NDF: 2767.3/22

+ sign 32.696 $\pm$ 0.294 χ^2 /NDF: 10541.8/41

All: 30.244 $\pm$ 0.197 χ^2 /NDF: 24504.3/85

- sign 28.262 $\pm$ 0.265 χ^2 /NDF: 13836.9/43

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -11.920 ± 0.572 χ^2/NDF : 688.4/17

Left Out: 2.494 ± 0.327 χ^2/NDF : 558.7/23

Right Out: -11.371 ± 0.547 χ^2/NDF : 597.3/20

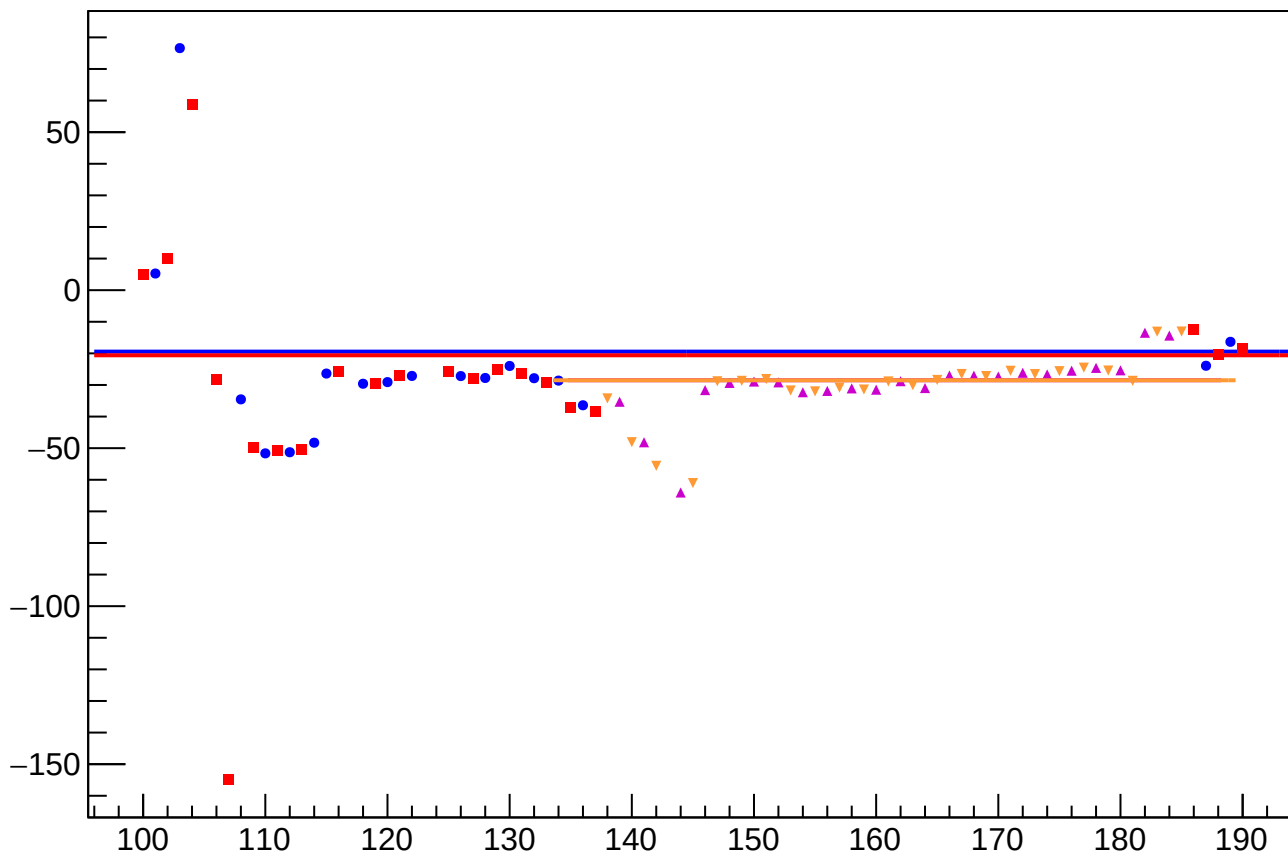
Left In: 1.921 ± 0.332 χ^2/NDF : 678.8/22

+ sign -1.053 ± 0.284 χ^2/NDF : 1726.0/41

All: -1.356 ± 0.201 χ^2/NDF : 3436.2/85

- sign -1.659 ± 0.284 χ^2/NDF : 1707.9/43

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.448 ± 0.033 χ^2/NDF : 648515.4/17

Left Out: -28.513 ± 0.015 χ^2/NDF : 333774.3/23

Right Out: -20.608 ± 0.033 χ^2/NDF : 552592.3/20

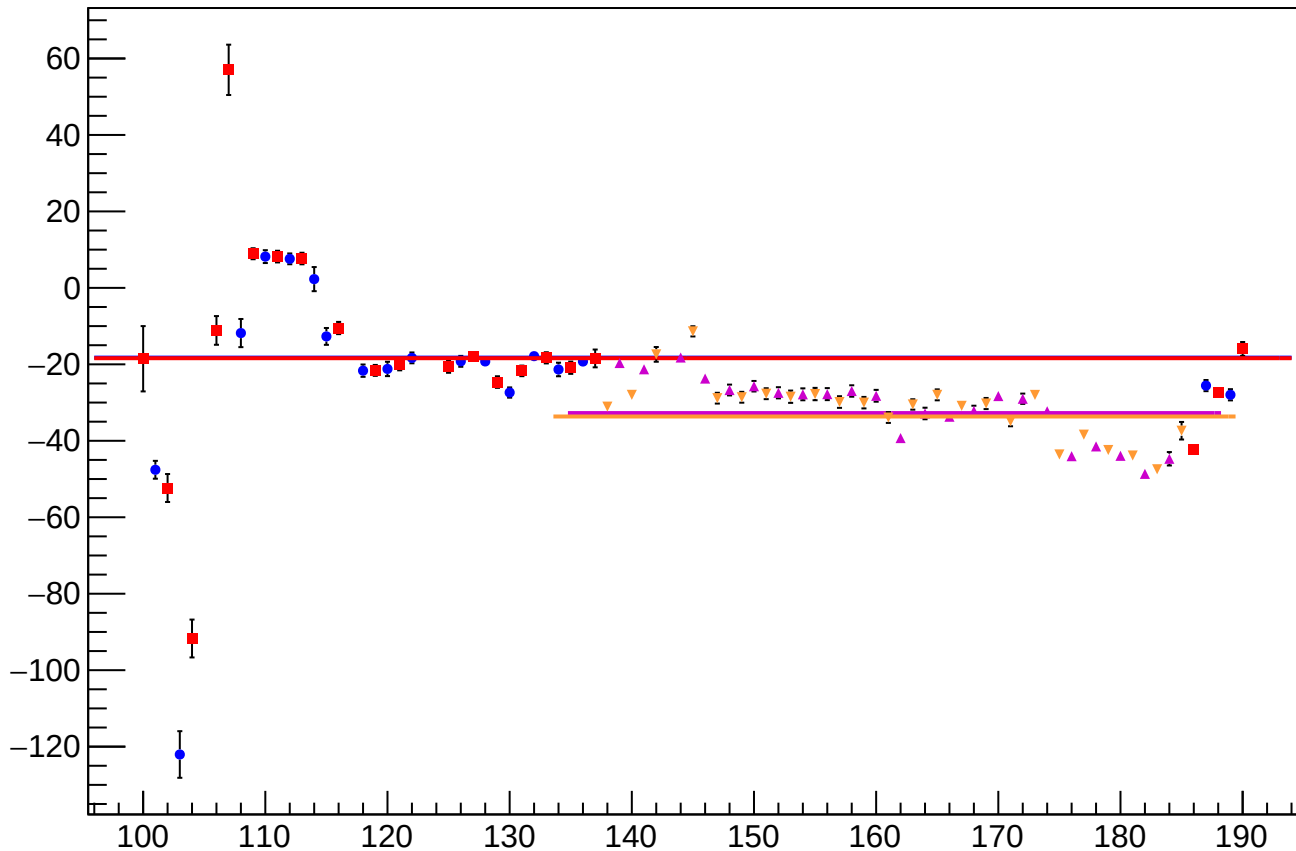
Left In: -28.495 ± 0.015 χ^2/NDF : 287757.4/22

+ sign -27.034 ± 0.014 χ^2/NDF : 1043797.5/41

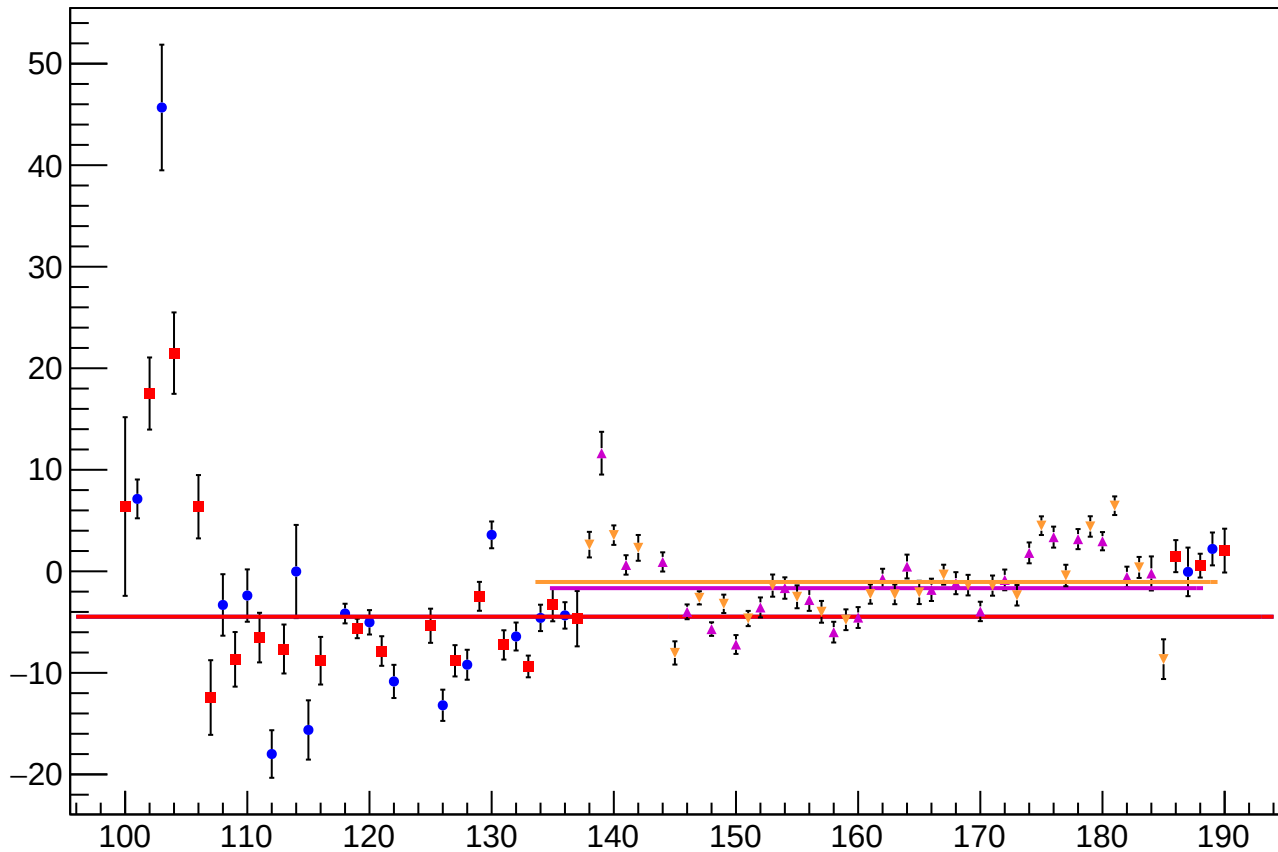
All: -27.093 ± 0.010 χ^2/NDF : 1932518.9/85

- sign -27.151 ± 0.013 χ^2/NDF : 888683.7/43

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.471 ± 0.384 χ^2/NDF : 269.9/17

Left Out: -1.050 ± 0.203 χ^2/NDF : 289.4/23

Right Out: -4.469 ± 0.377 χ^2/NDF : 190.9/20

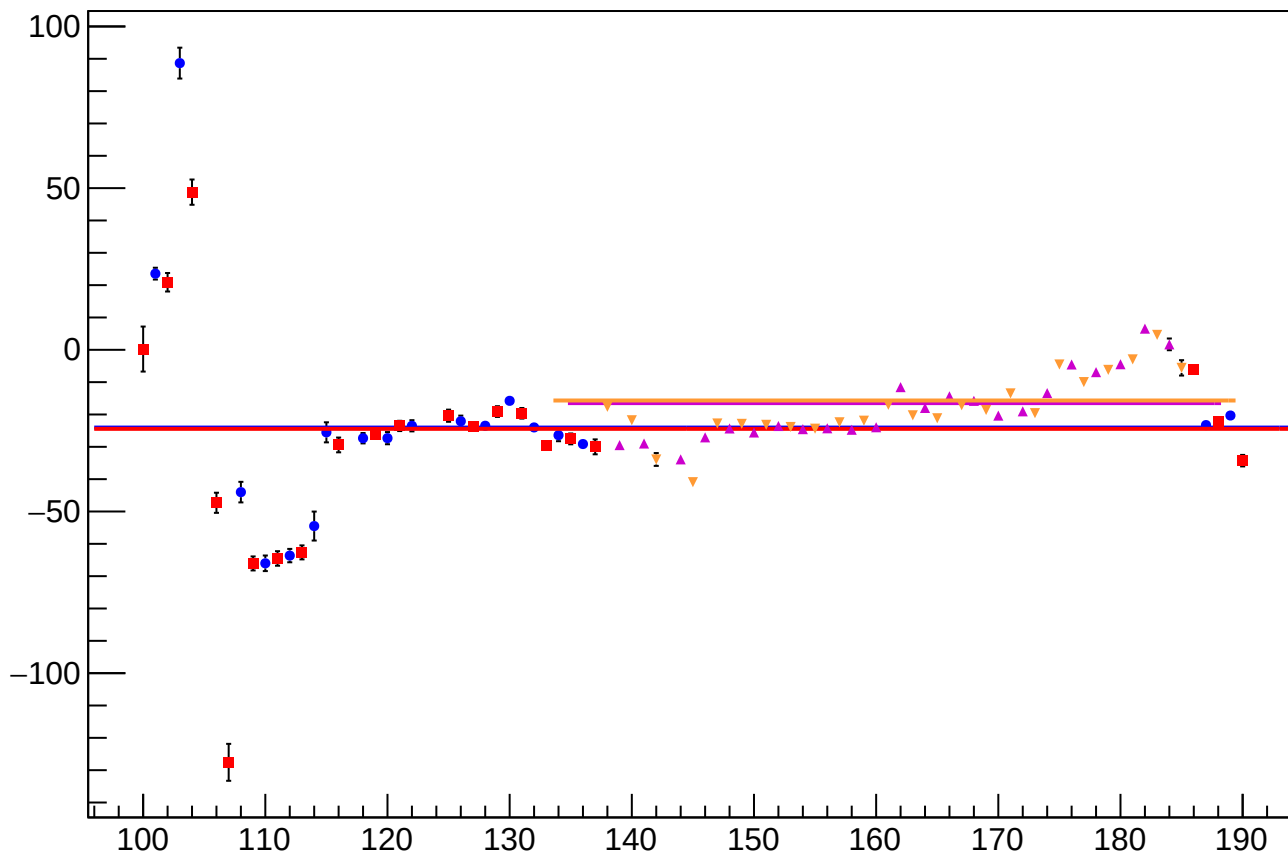
Left In: -1.659 ± 0.207 χ^2/NDF : 264.4/22

+ sign -1.795 ± 0.179 χ^2/NDF : 621.3/41

All: -2.049 ± 0.128 χ^2/NDF : 1123.2/85

- sign -2.308 ± 0.181 χ^2/NDF : 497.9/43

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.050 ± 0.403 χ^2/NDF : 2062.6/17

Left Out: -15.674 ± 0.263 χ^2/NDF : 1520.8/23

Right Out: -24.437 ± 0.355 χ^2/NDF : 2422.9/20

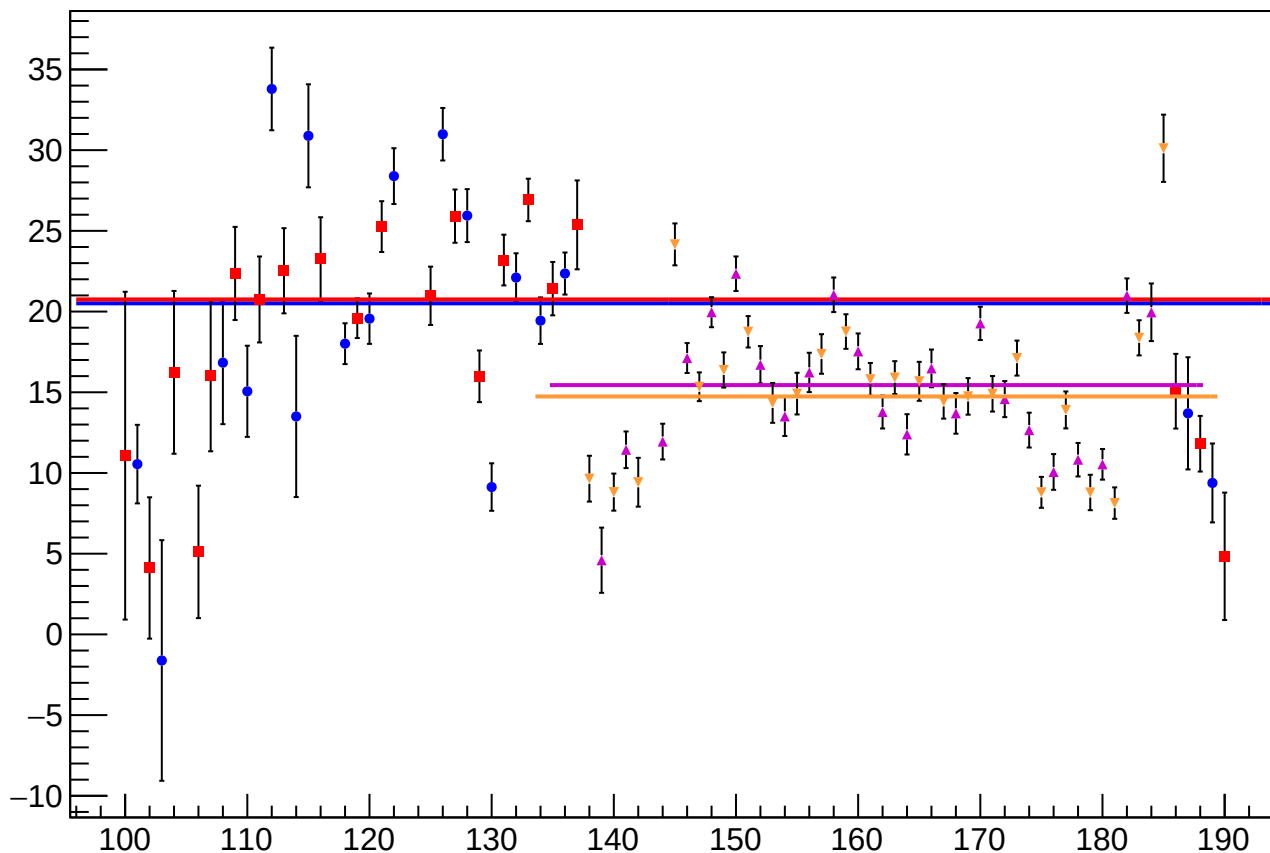
Left In: -16.480 ± 0.266 χ^2/NDF : 1697.7/22

+ sign -18.174 ± 0.220 χ^2/NDF : 3886.0/41

All: -18.778 ± 0.153 χ^2/NDF : 8343.1/85

- sign -19.341 ± 0.213 χ^2/NDF : 4442.6/43

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 20.509 $\pm$ 0.447 χ^2 /NDF: 235.4/17

Left Out: 14.740 $\pm$ 0.229 χ^2 /NDF:331.0/23

Right Out: 20.752 $\pm$ 0.449 χ^2 /NDF: 137.7/20

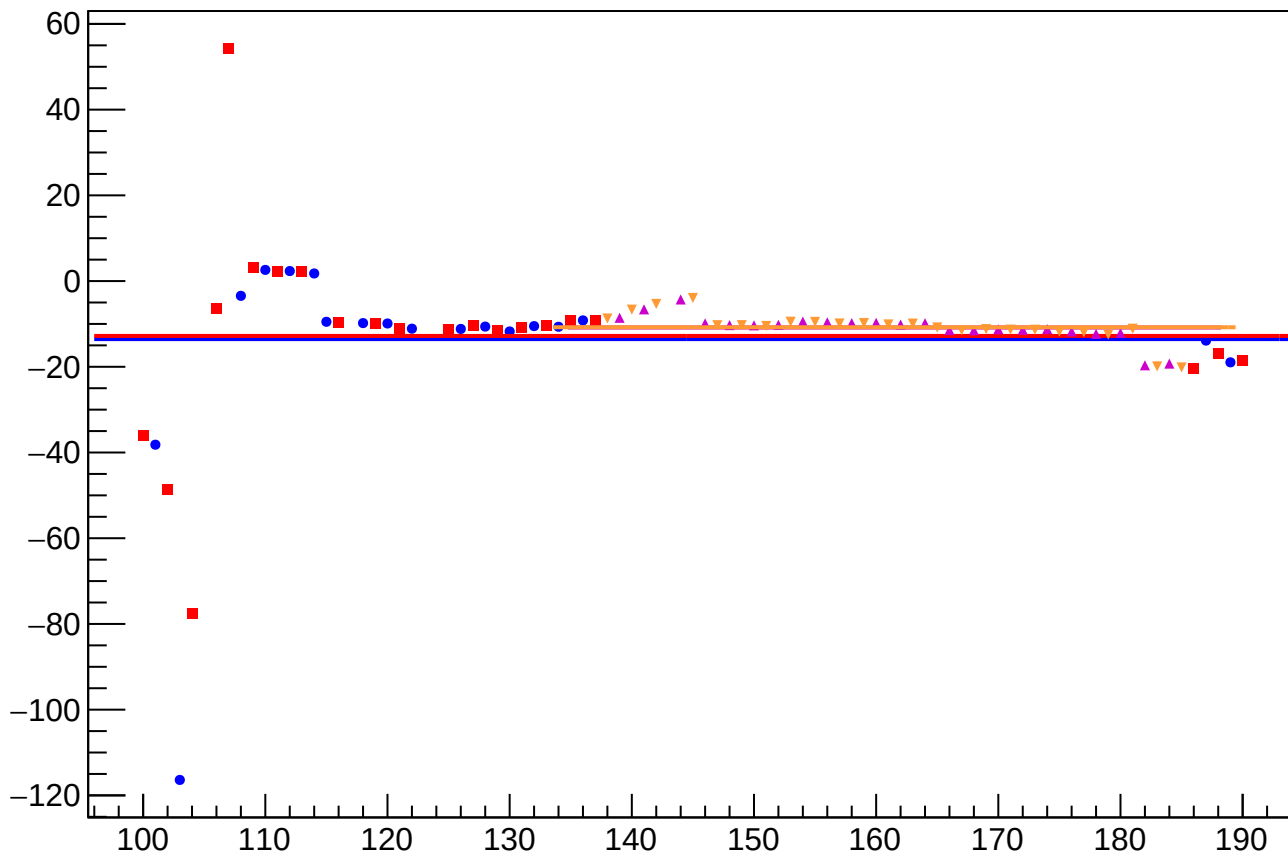
Left In: 15.444 $\pm$ 0.233 χ^2 /NDF:290.4/22

+ sign 15.945 $\pm$ 0.204 χ^2 /NDF: 698.4/41

All: 16.253 $\pm$ 0.145 χ^2 /NDF: 1241.2/85

- sign 16.570 $\pm$ 0.207 χ^2 /NDF: 538.1/43

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.538 ± 0.027 χ^2/NDF : 348189.5/17

Left Out: -10.778 ± 0.010 χ^2/NDF : 84755.9/23

Right Out: -12.799 ± 0.028 χ^2/NDF : 322325.9/20

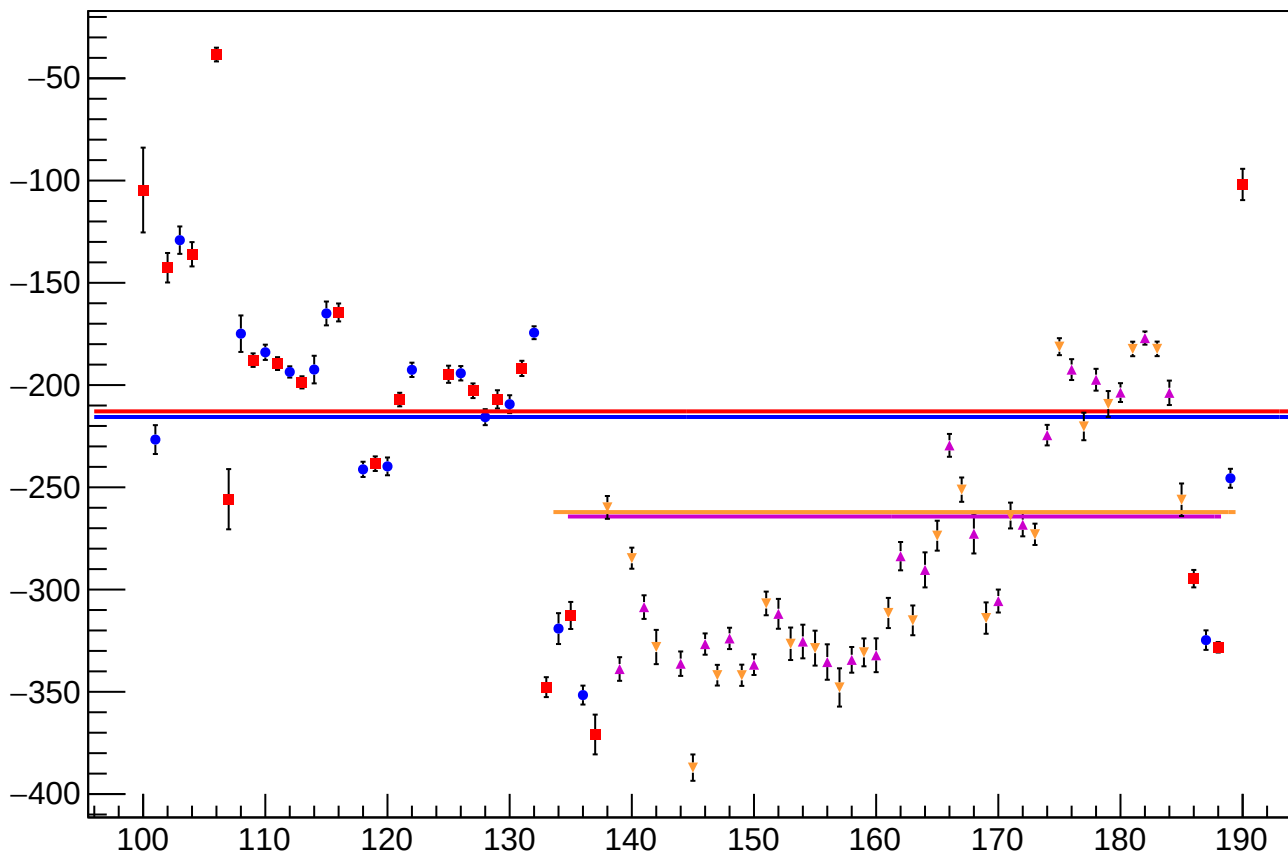
Left In: -10.834 ± 0.010 χ^2/NDF : 74113.9/22

+ sign -11.127 ± 0.010 χ^2/NDF : 442058.2/41

All: -11.100 ± 0.007 χ^2/NDF : 842915.0/85

- sign -11.072 ± 0.010 χ^2/NDF : 400840.7/43

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -215.618+/-1.016 χ^2 /NDF: 2358.6/17

Left Out: -262.110+/-1.179 χ^2 /NDF:2964.6/23

Right Out: -212.862+/-0.903 χ^2 /NDF: 7237.1/20

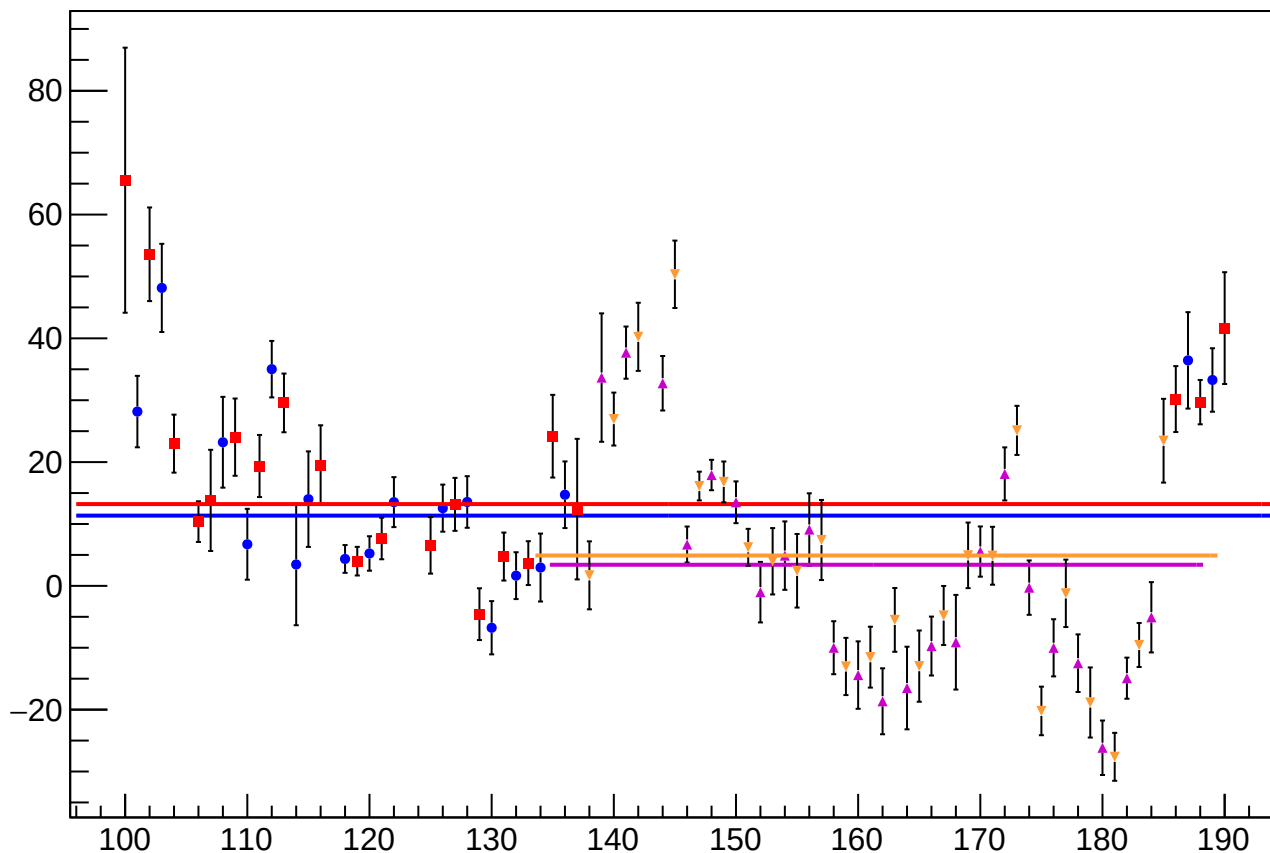
Left In: -264.272+/-1.186 χ^2 /NDF:2741.9/22

+ sign -235.413+/-0.770 χ^2 /NDF: 6215.6/41

All: -233.441+/-0.525 χ^2 /NDF: 17397.4/85

- sign -231.723+/-0.718 χ^2 /NDF: 11169.4/43

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 11.352 ± 1.034 χ^2/NDF : 136.9/17

Left Out: 4.909 ± 0.886 χ^2/NDF : 398.9/23

Right Out: 13.217 ± 0.979 χ^2/NDF : 151.7/20

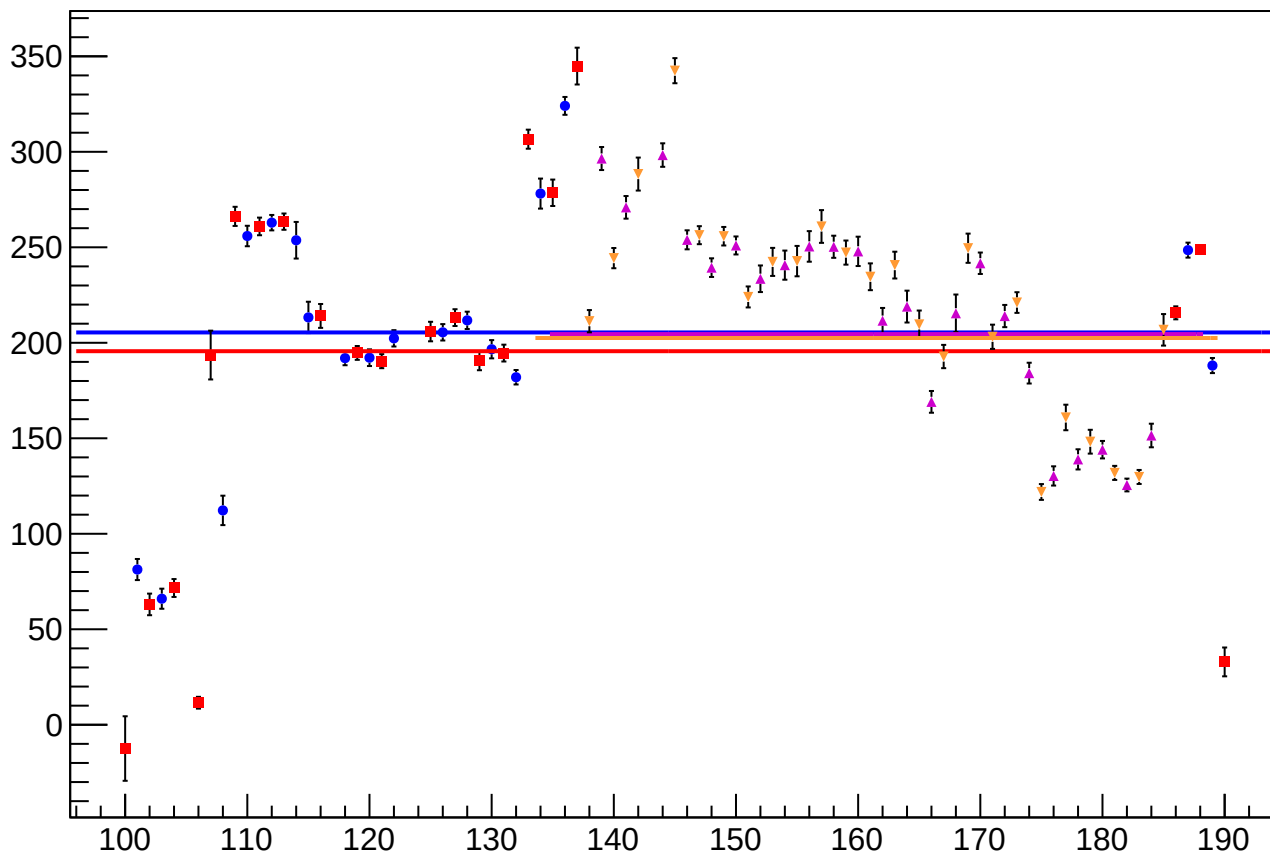
Left In: 3.409 ± 0.901 χ^2/NDF : 333.3/22

+ sign 7.638 ± 0.673 χ^2/NDF : 558.3/41

All: 7.774 ± 0.472 χ^2/NDF : 1097.7/85

- sign 7.906 ± 0.663 χ^2/NDF : 539.4/43

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 205.416 $\pm$ 1.122 χ^2 /NDF: 2608.4/17

Left Out: 202.511 $\pm$ 1.173 χ^2 /NDF:2393.5/23

Right Out: 195.599 $\pm$ 0.952 χ^2 /NDF: 7679.3/20

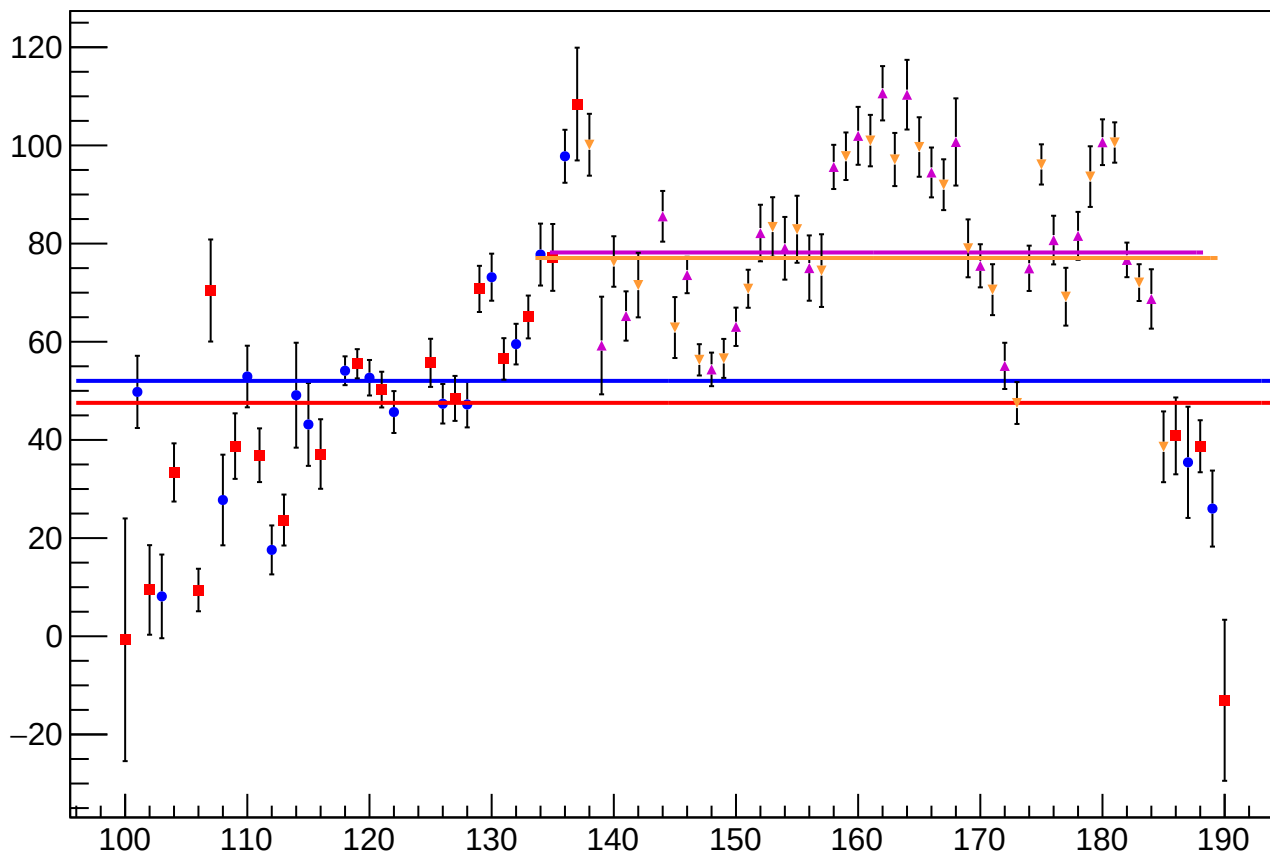
Left In: 204.560 $\pm$ 1.177 χ^2 /NDF:2285.7/22

+ sign 204.028 $\pm$ 0.811 χ^2 /NDF: 5005.1/41

All: 201.363 $\pm$ 0.547 χ^2 /NDF: 15024.9/85

- sign 199.141 $\pm$ 0.740 χ^2 /NDF: 10000.0/43

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.031 $\pm$ 1.219 χ^2 /NDF: 212.2/17

Left Out: 77.061 $\pm$ 1.015 χ^2 /NDF:311.3/23

Right Out: 47.552 $\pm$ 1.167 χ^2 /NDF: 257.8/20

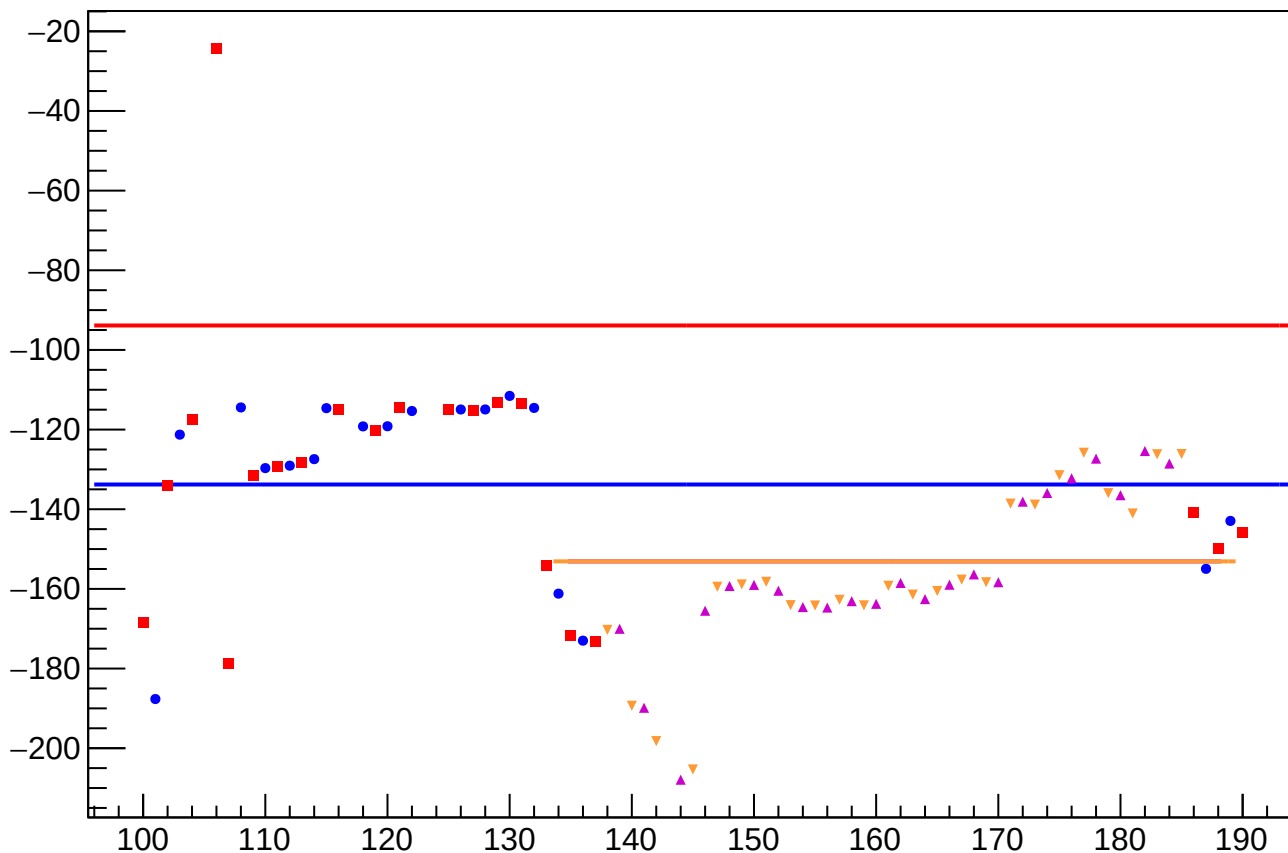
Left In: 78.189 $\pm$ 1.026 χ^2 /NDF:232.5/22

+ sign 66.808 $\pm$ 0.780 χ^2 /NDF: 772.5/41

All: 65.813 $\pm$ 0.548 χ^2 /NDF: 1654.8/85

- sign 64.843 $\pm$ 0.770 χ^2 /NDF: 879.1/43

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -133.788+/-0.078 χ^2 /NDF: 95569.2/17

Left Out: -153.090+/-0.047 χ^2 /NDF:177552.0/23

Right Out: -93.860+/-0.061 χ^2 /NDF: 797564.1/20

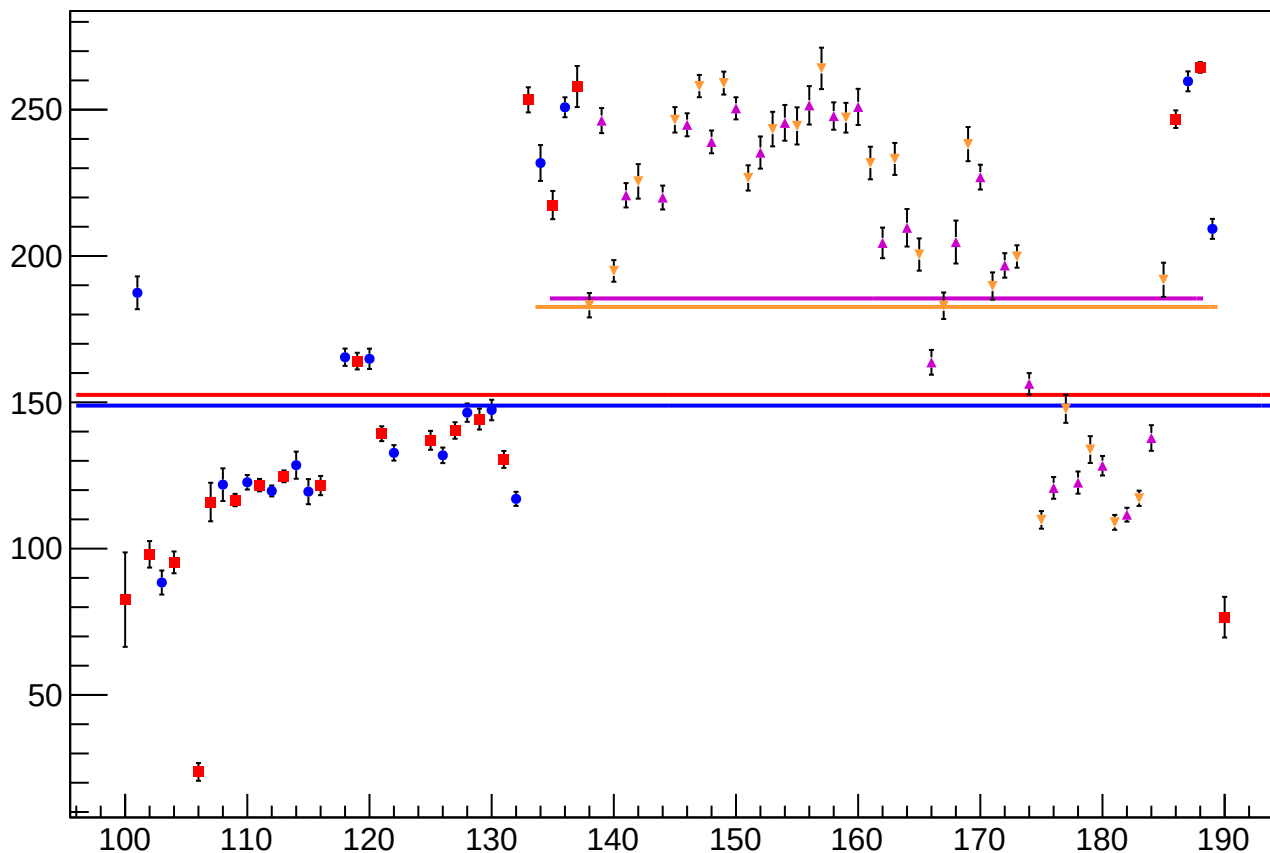
Left In: -153.103+/-0.047 χ^2 /NDF:166644.2/22

+ sign -147.990+/-0.040 χ^2 /NDF: 317840.8/41

All: -139.067+/-0.027 χ^2 /NDF: 1962580.2/85

- sign -131.463+/-0.037 χ^2 /NDF: 1553695.9/43

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 148.878 $\pm$ 0.746 χ^2/NDF : 3469.9/17

Left Out: 182.591 $\pm$ 0.866 χ^2/NDF : 4152.3/23

Right Out: 152.530 $\pm$ 0.661 χ^2/NDF : 9045.5/20

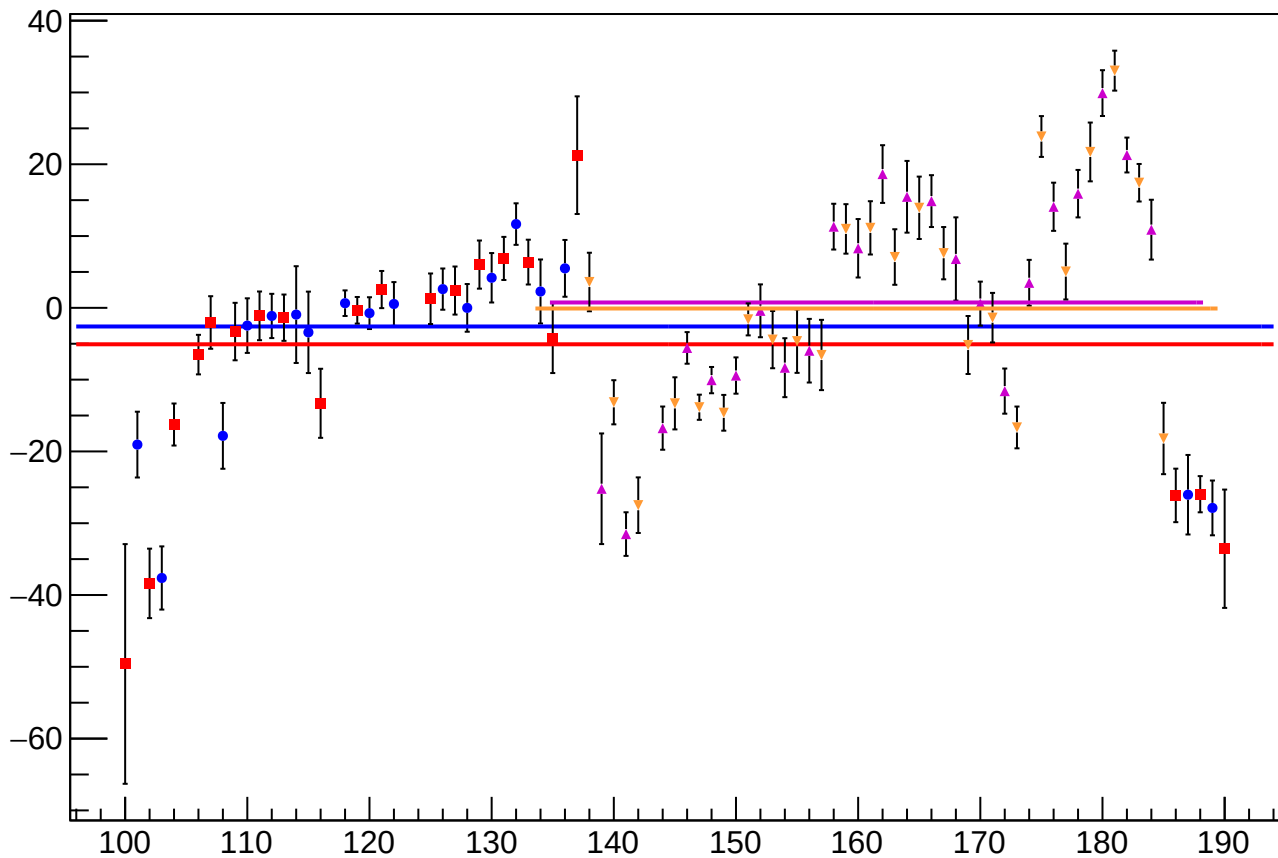
Left In: 185.497 $\pm$ 0.872 χ^2/NDF : 3822.2/22

+ sign 163.242 $\pm$ 0.565 χ^2/NDF : 8492.2/41

All: 163.939 $\pm$ 0.385 χ^2/NDF : 22270.3/85

- sign 164.544 $\pm$ 0.527 χ^2/NDF : 13775.3/43

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.596 $\pm$ 0.783 χ^2/NDF : 191.9/17

Left Out: -0.092 $\pm$ 0.655 χ^2/NDF : 555.3/23

Right Out: -5.076 $\pm$ 0.731 χ^2/NDF : 262.5/20

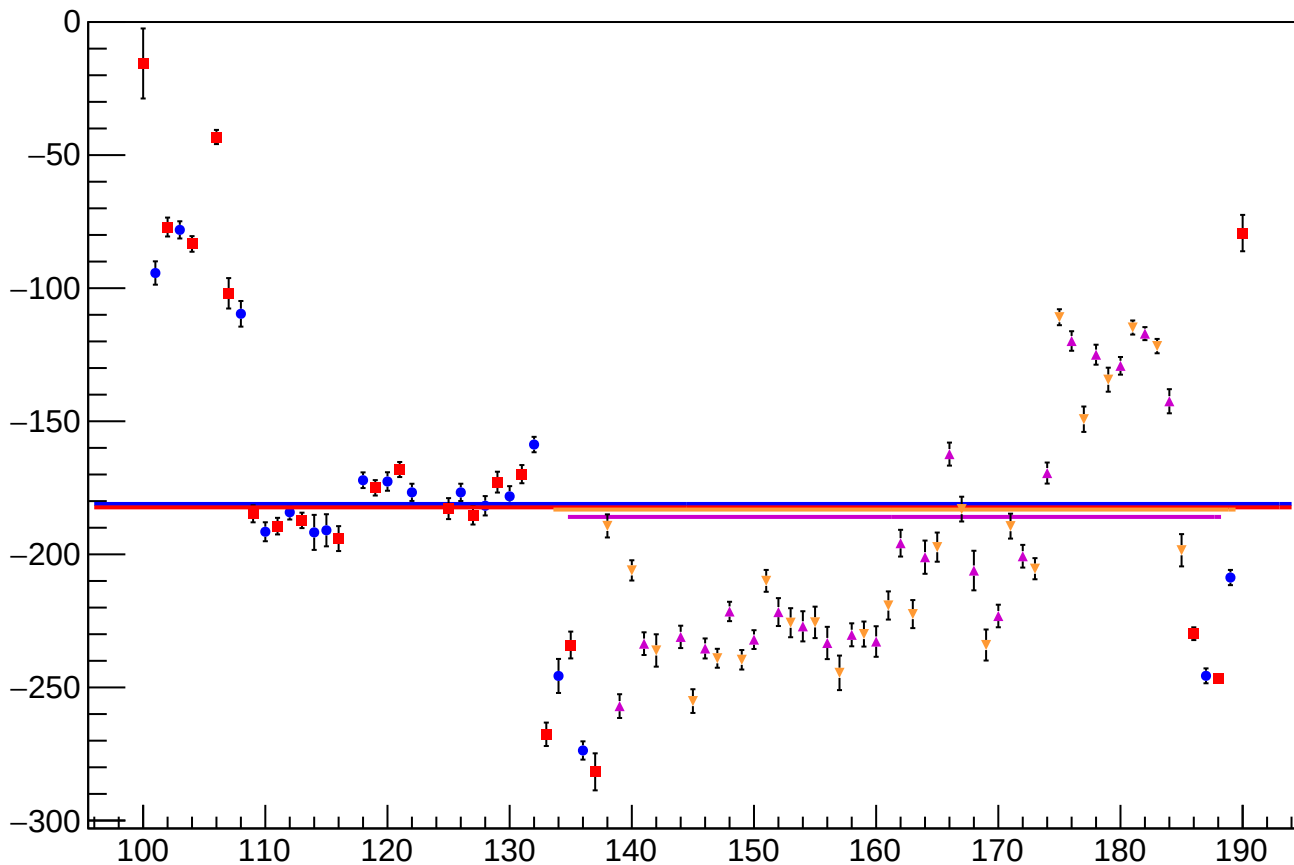
Left In: 0.747 $\pm$ 0.665 χ^2/NDF : 497.8/22

+ sign -1.123 $\pm$ 0.502 χ^2/NDF : 753.3/41

All: -1.516 $\pm$ 0.351 χ^2/NDF : 1549.4/85

- sign -1.892 $\pm$ 0.492 χ^2/NDF : 795.0/43

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -181.067 $\pm$ 0.826 χ^2 /NDF: 3180.0/17

Left Out: -183.175 $\pm$ 0.862 χ^2 /NDF:3361.2/23

Right Out: -182.347 $\pm$ 0.697 χ^2 /NDF: 8413.5/20

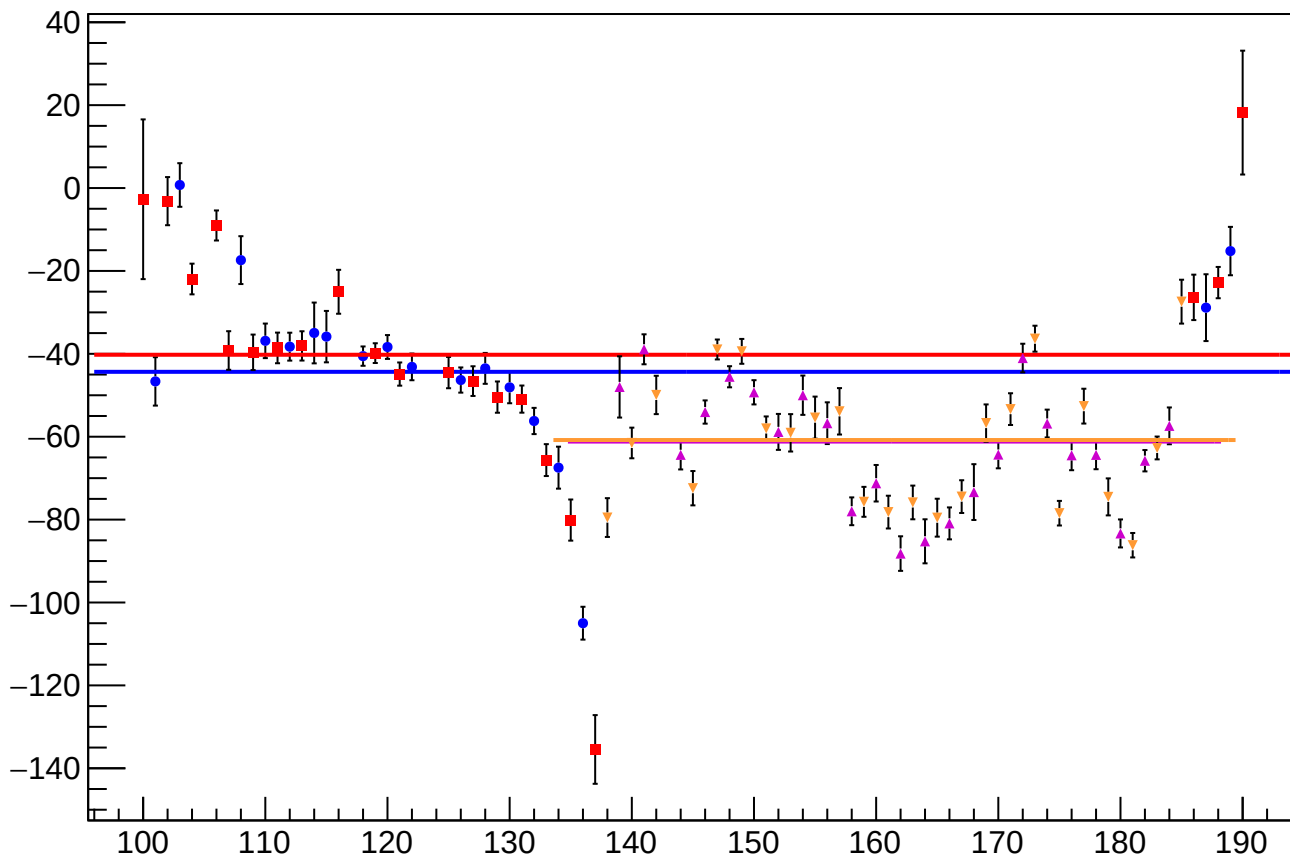
Left In: -185.936 $\pm$ 0.867 χ^2 /NDF:3181.6/22

+ sign -182.076 $\pm$ 0.596 χ^2 /NDF: 6544.3/41

All: -182.994 $\pm$ 0.402 χ^2 /NDF: 18154.1/85

- sign -183.755 $\pm$ 0.543 χ^2 /NDF: 11605.5/43

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -44.343 ± 0.920 χ^2/NDF : 411.7/17

Left Out: -60.801 ± 0.749 χ^2/NDF : 474.0/23

Right Out: -40.225 ± 0.871 χ^2/NDF : 460.3/20

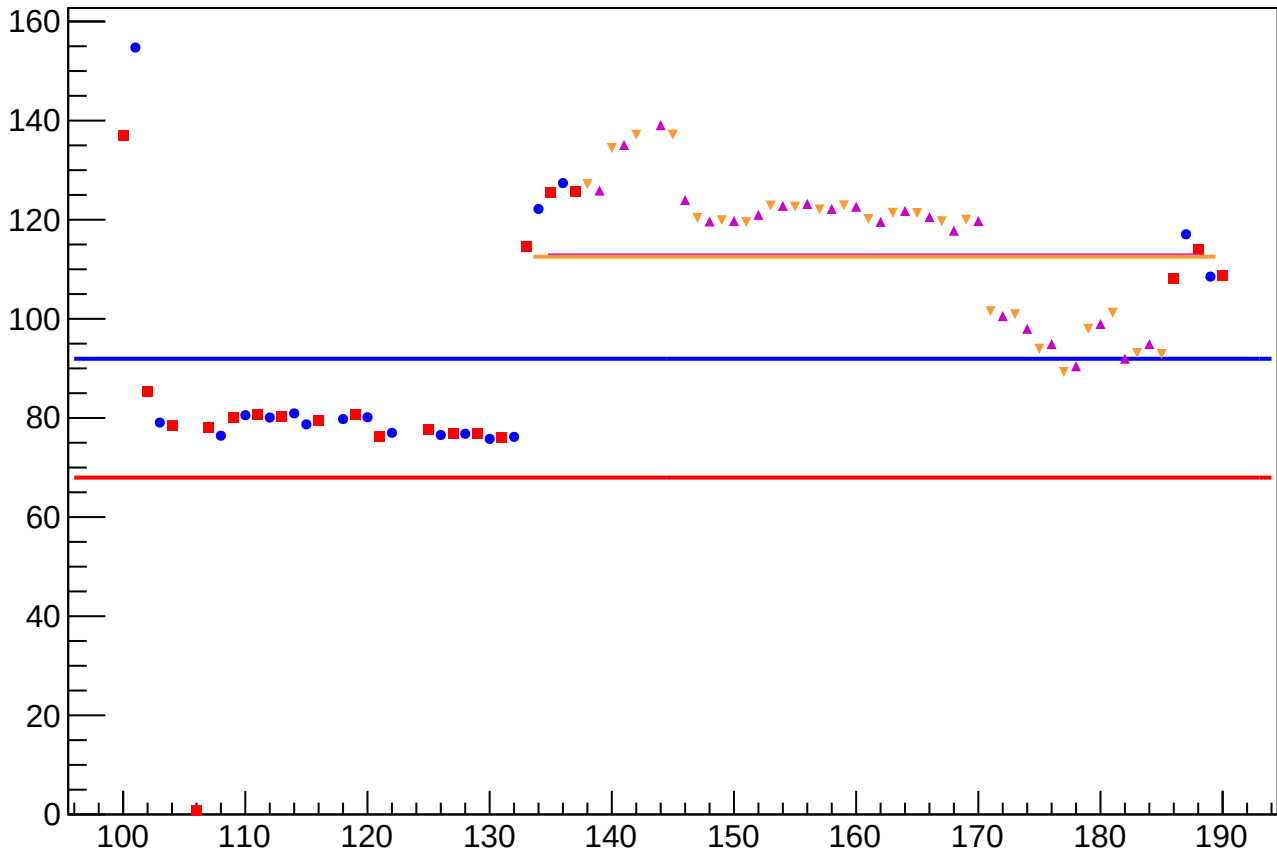
Left In: -61.172 ± 0.757 χ^2/NDF : 316.9/22

+ sign -54.239 ± 0.581 χ^2/NDF : 1078.3/41

All: -53.184 ± 0.407 χ^2/NDF : 2191.4/85

- sign -52.164 ± 0.571 χ^2/NDF : 1106.7/43

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 91.945 $\pm$ 0.057 χ^2 /NDF: 168566.9/17

Left Out: 112.539 $\pm$ 0.035 χ^2 /NDF: 174512.4/23

Right Out: 67.966 $\pm$ 0.047 χ^2 /NDF: 738812.2/20

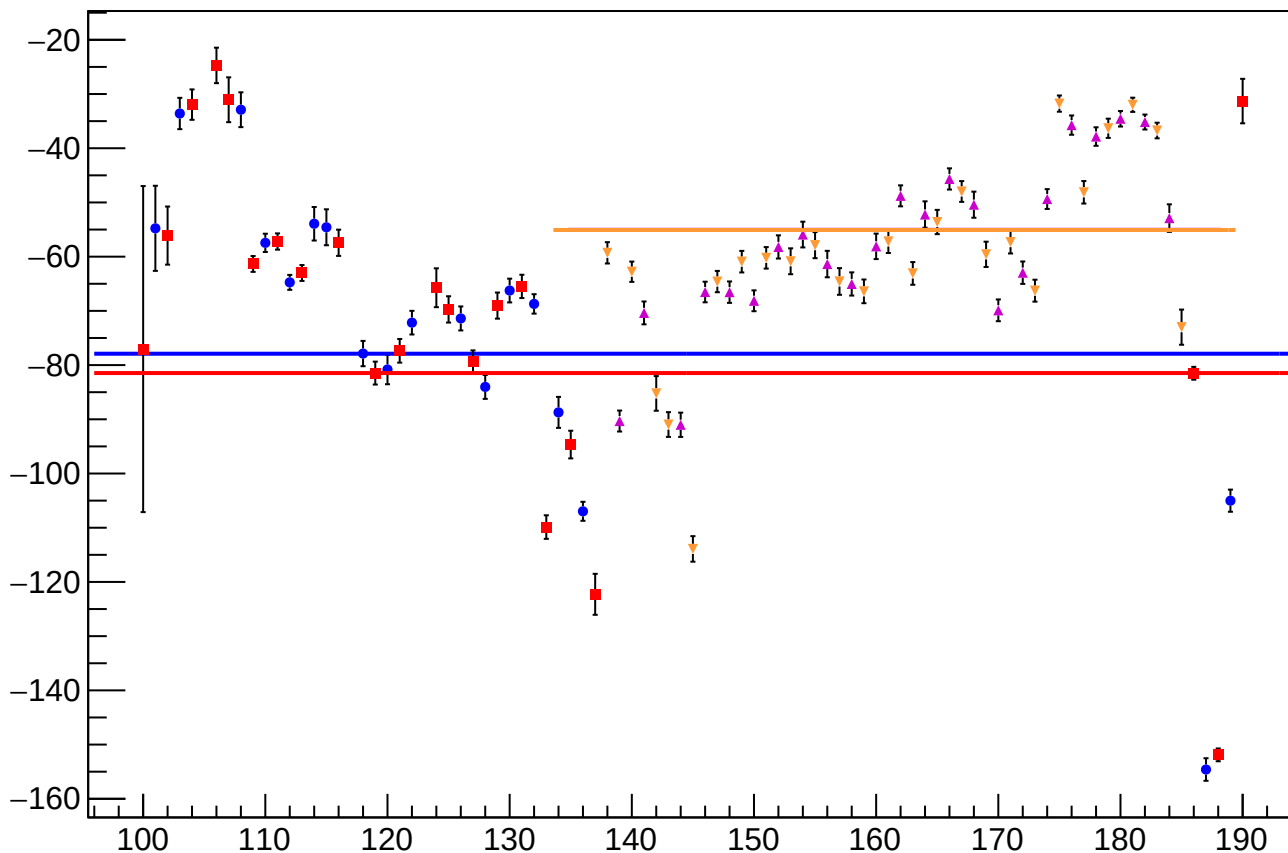
Left In: 112.795 $\pm$ 0.034 χ^2 /NDF: 171662.8/22

+ sign 106.952 $\pm$ 0.030 χ^2 /NDF: 439287.3/41

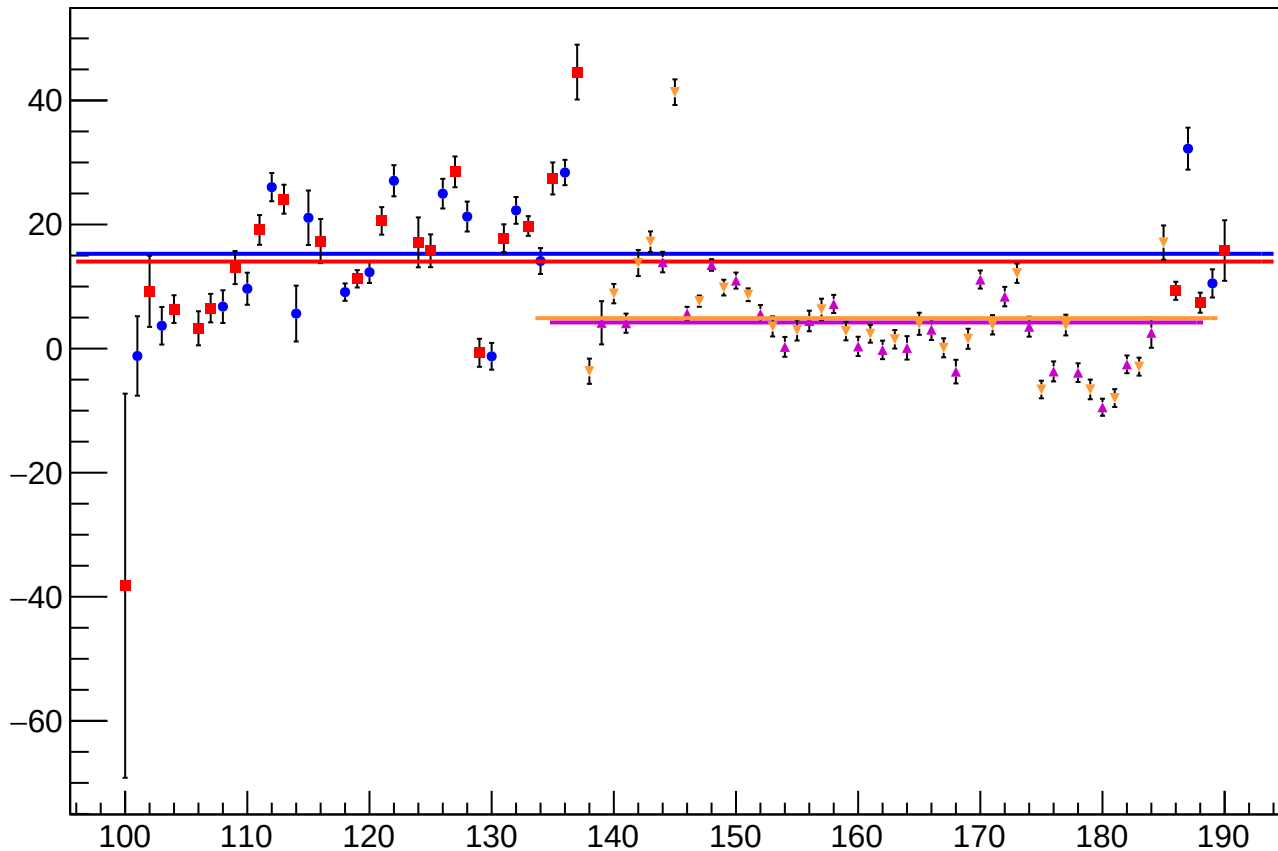
All: 101.815 $\pm$ 0.020 χ^2 /NDF: 1994711.6/85

- sign 97.250 $\pm$ 0.028 χ^2 /NDF: 1498238.9/43

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.280 $\pm$ 0.555 χ^2 /NDF: 272.0/17

Left Out: 4.910 $\pm$ 0.301 χ^2 /NDF: 741.5/24

Right Out: 14.030 $\pm$ 0.493 χ^2 /NDF: 273.6/21

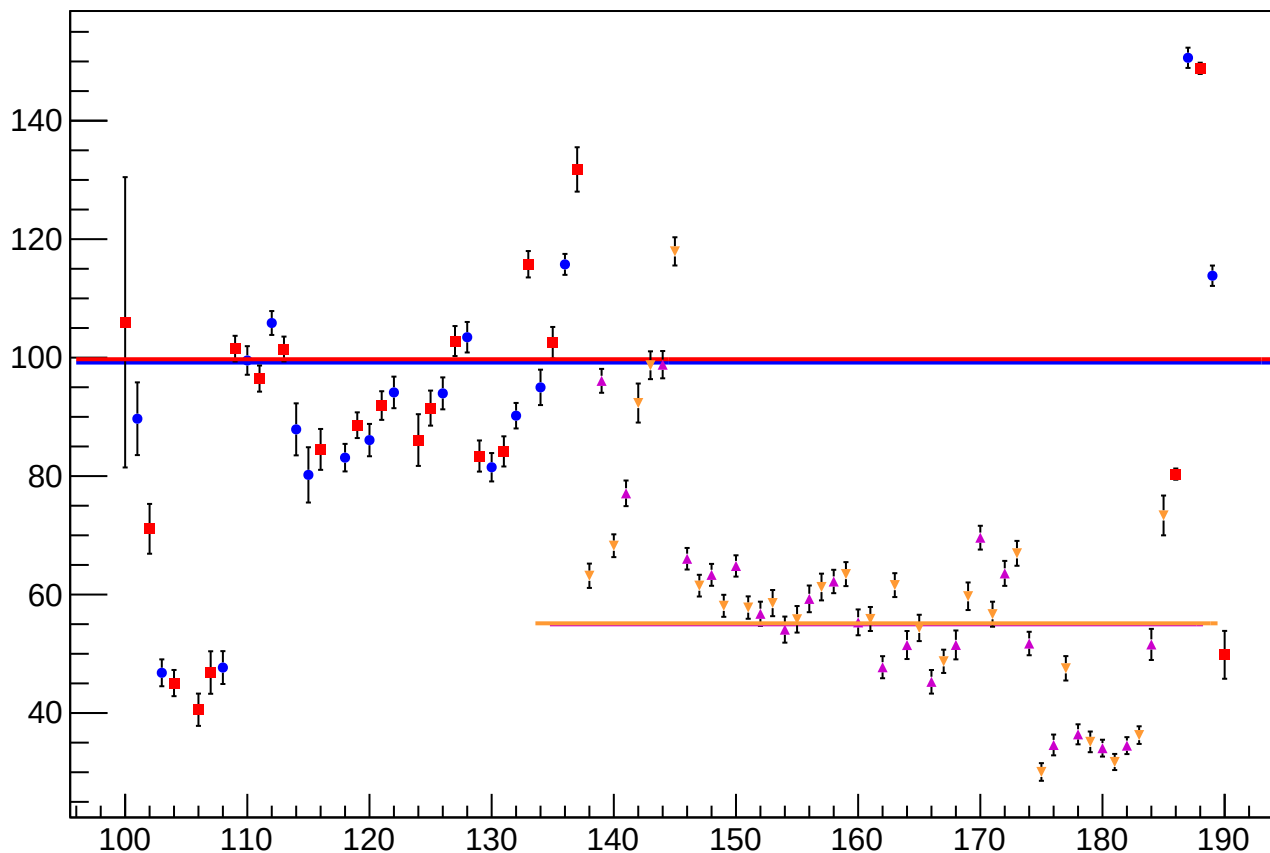
Left In: 4.215 $\pm$ 0.312 χ^2 /NDF: 415.1/22

+ sign 7.270 $\pm$ 0.265 χ^2 /NDF: 1283.0/42

All: 7.146 $\pm$ 0.187 χ^2 /NDF: 2254.5/87

- sign 7.022 $\pm$ 0.264 χ^2 /NDF: 971.1/44

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 99.167 $\pm$ 0.566 χ^2 /NDF: 2134.8/17

Left Out: 55.142 $\pm$ 0.397 χ^2 /NDF:2242.4/24

Right Out: 99.730 $\pm$ 0.451 χ^2 /NDF: 4880.2/21

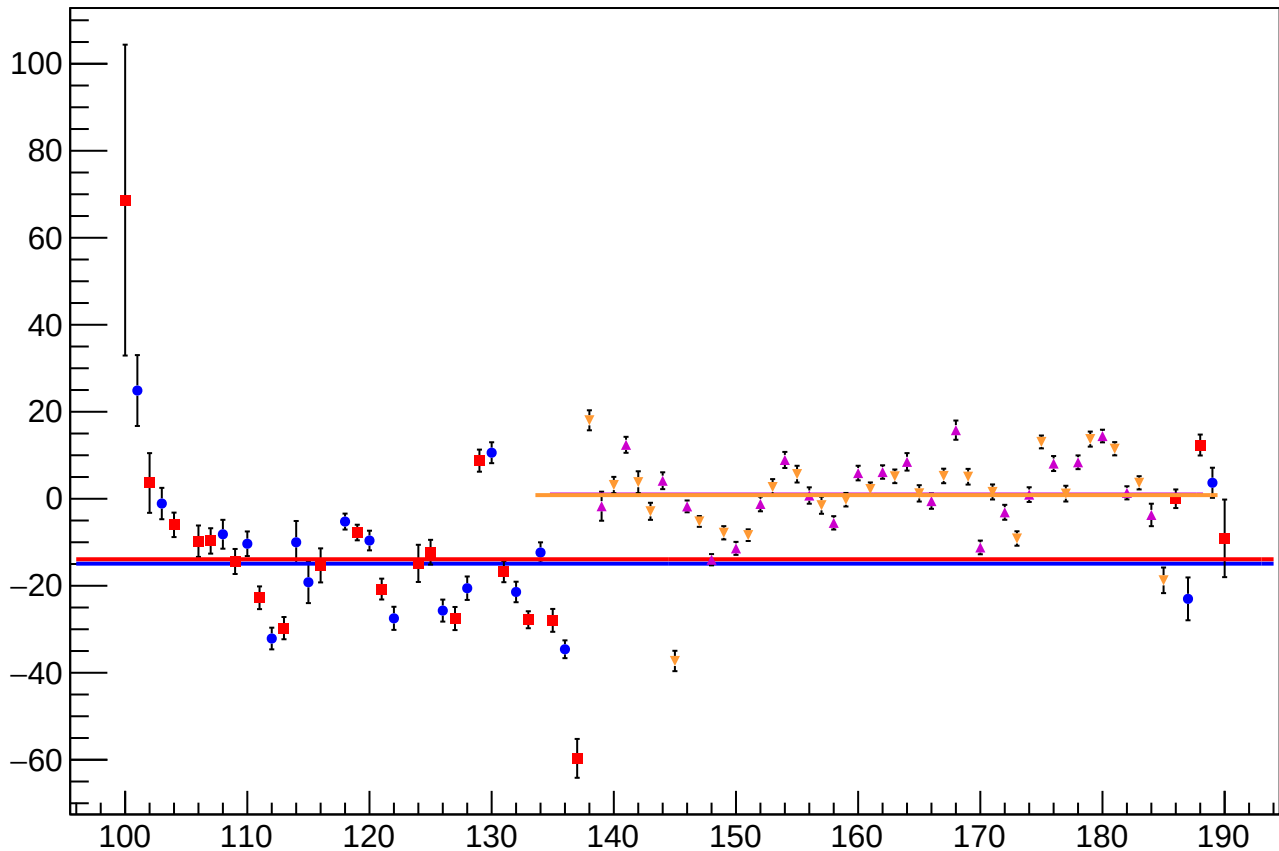
Left In: 54.972 $\pm$ 0.406 χ^2 /NDF:1780.5/22

+ sign 69.639 $\pm$ 0.325 χ^2 /NDF: 8428.6/42

All: 72.510 $\pm$ 0.221 χ^2 /NDF: 20678.4/87

- sign 74.980 $\pm$ 0.302 χ^2 /NDF: 12104.7/44

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -14.914 ± 0.648 χ^2/NDF : 418.7/17

Left Out: 0.840 ± 0.343 χ^2/NDF : 717.2/24

Right Out: -13.904 ± 0.596 χ^2/NDF : 546.7/21

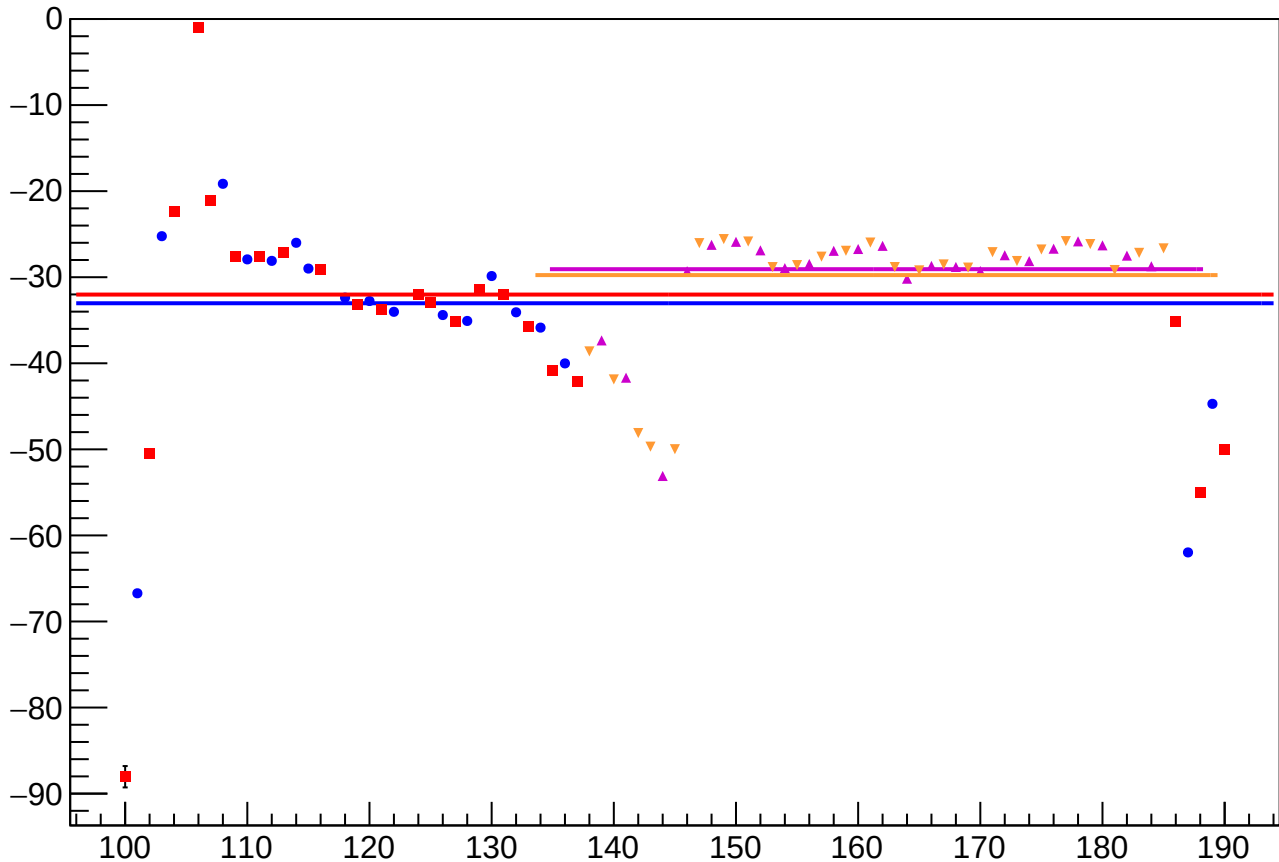
Left In: 0.980 ± 0.353 χ^2/NDF : 558.5/22

+ sign -2.608 ± 0.303 χ^2/NDF : 1597.9/42

All: -2.750 ± 0.215 χ^2/NDF : 3165.4/87

- sign -2.894 ± 0.304 χ^2/NDF : 1567.0/44

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -33.025 ± 0.037 χ^2/NDF : 57673.4/17

Left Out: -29.754 ± 0.016 χ^2/NDF : 163552.5/24

Right Out: -32.017 ± 0.035 χ^2/NDF : 139808.6/21

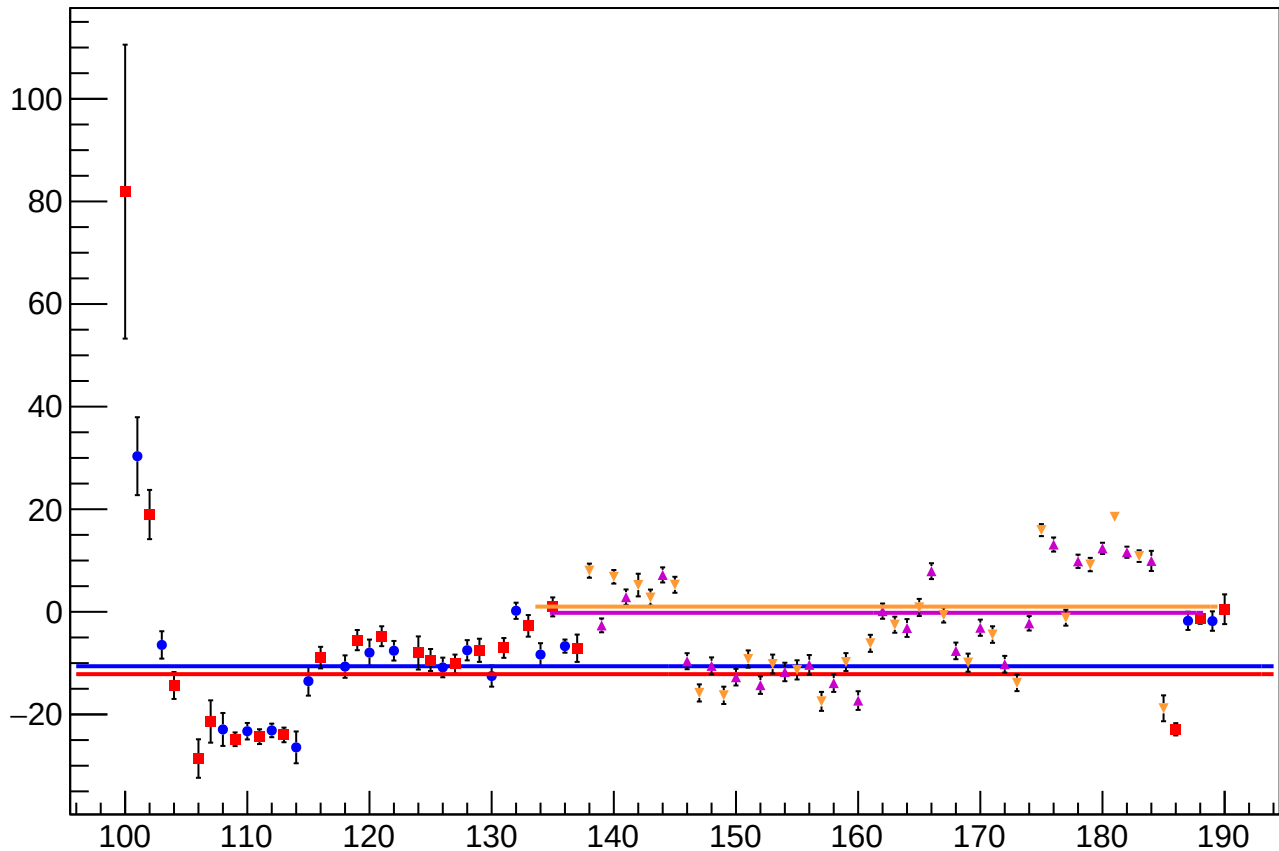
Left In: -29.067 ± 0.016 χ^2/NDF : 101545.6/22

+ sign -30.246 ± 0.014 χ^2/NDF : 227859.3/42

All: -29.903 ± 0.010 χ^2/NDF : 476147.8/87

- sign -29.557 ± 0.014 χ^2/NDF : 247142.4/44

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -10.607 ± 0.464 χ^2/NDF : 335.4/17

Left Out: 1.015 ± 0.305 χ^2/NDF : 1335.1/24

Right Out: -12.151 ± 0.404 χ^2/NDF : 639.7/21

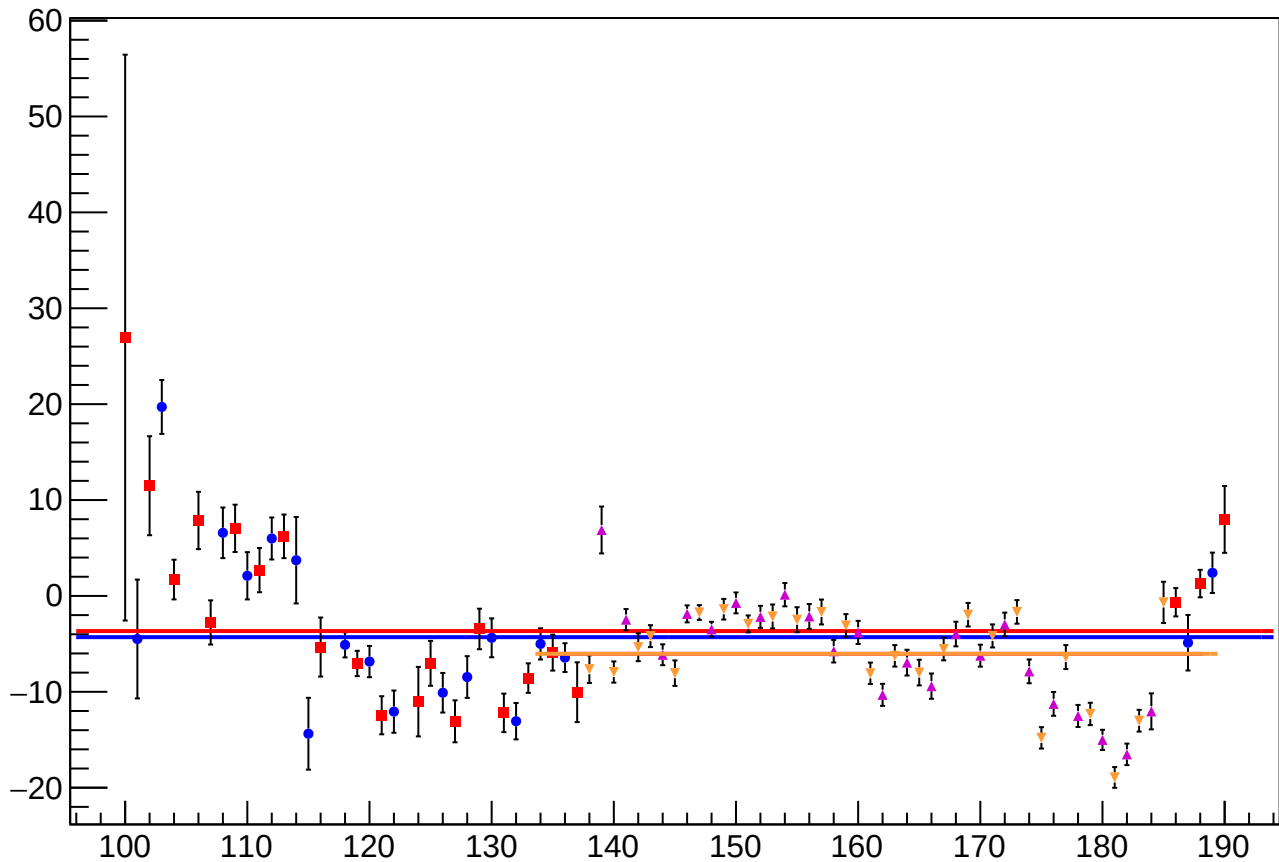
Left In: -0.192 ± 0.315 χ^2/NDF : 982.8/22

+ sign -2.490 ± 0.255 χ^2/NDF : 2109.1/42

All: -3.626 ± 0.178 χ^2/NDF : 4315.9/87

- sign -4.705 ± 0.248 χ^2/NDF : 2168.1/44

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.300 ± 0.495 χ^2/NDF : 189.8/17

Left Out: -6.035 ± 0.233 χ^2/NDF : 414.9/24

Right Out: -3.665 ± 0.455 χ^2/NDF : 189.0/21

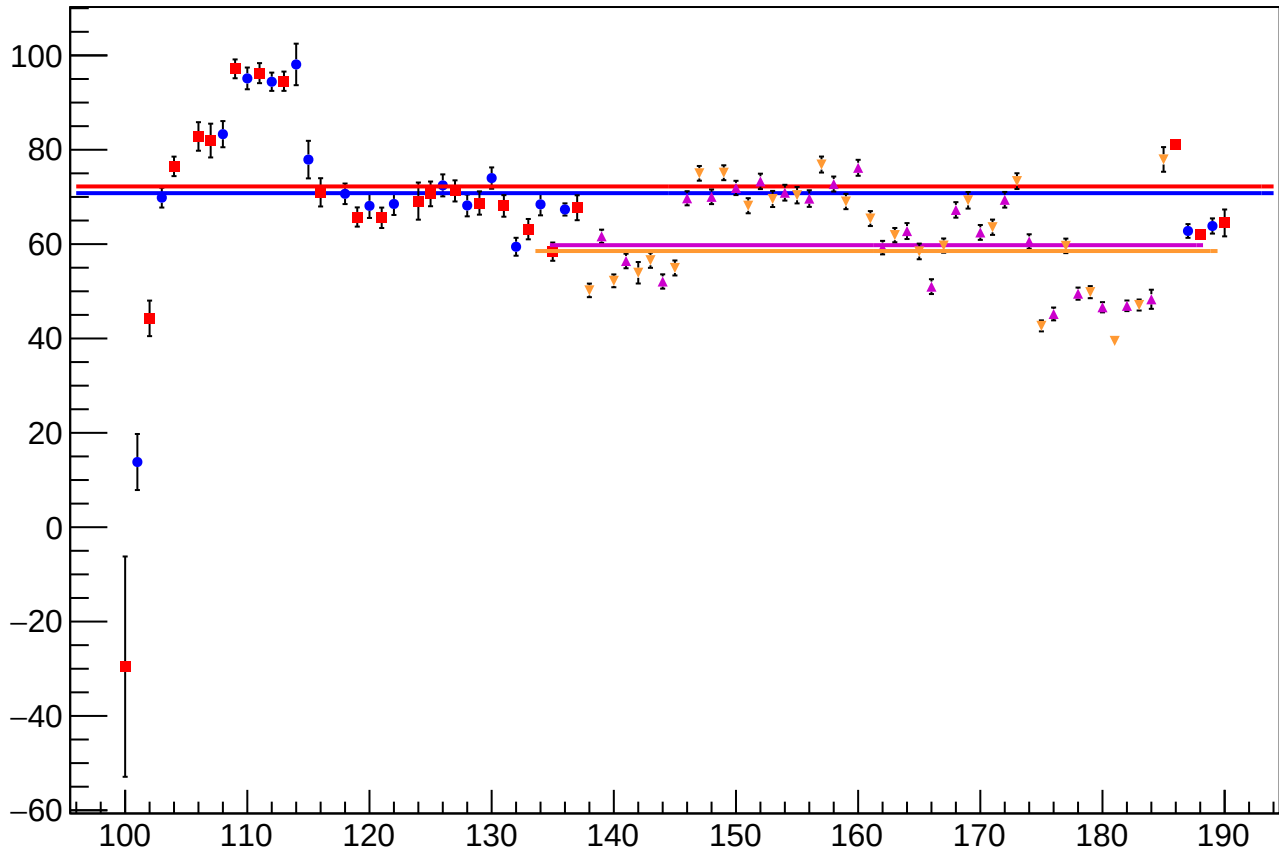
Left In: -6.043 ± 0.243 χ^2/NDF : 396.2/22

+ sign -5.720 ± 0.211 χ^2/NDF : 614.8/42

All: -5.619 ± 0.150 χ^2/NDF : 1221.8/87

- sign -5.516 ± 0.214 χ^2/NDF : 606.5/44

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 70.802 $\pm$ 0.501 χ^2 /NDF: 513.0/17

Left Out: 58.535 $\pm$ 0.303 χ^2 /NDF:1449.2/24

Right Out: 72.225 $\pm$ 0.413 χ^2 /NDF: 842.7/21

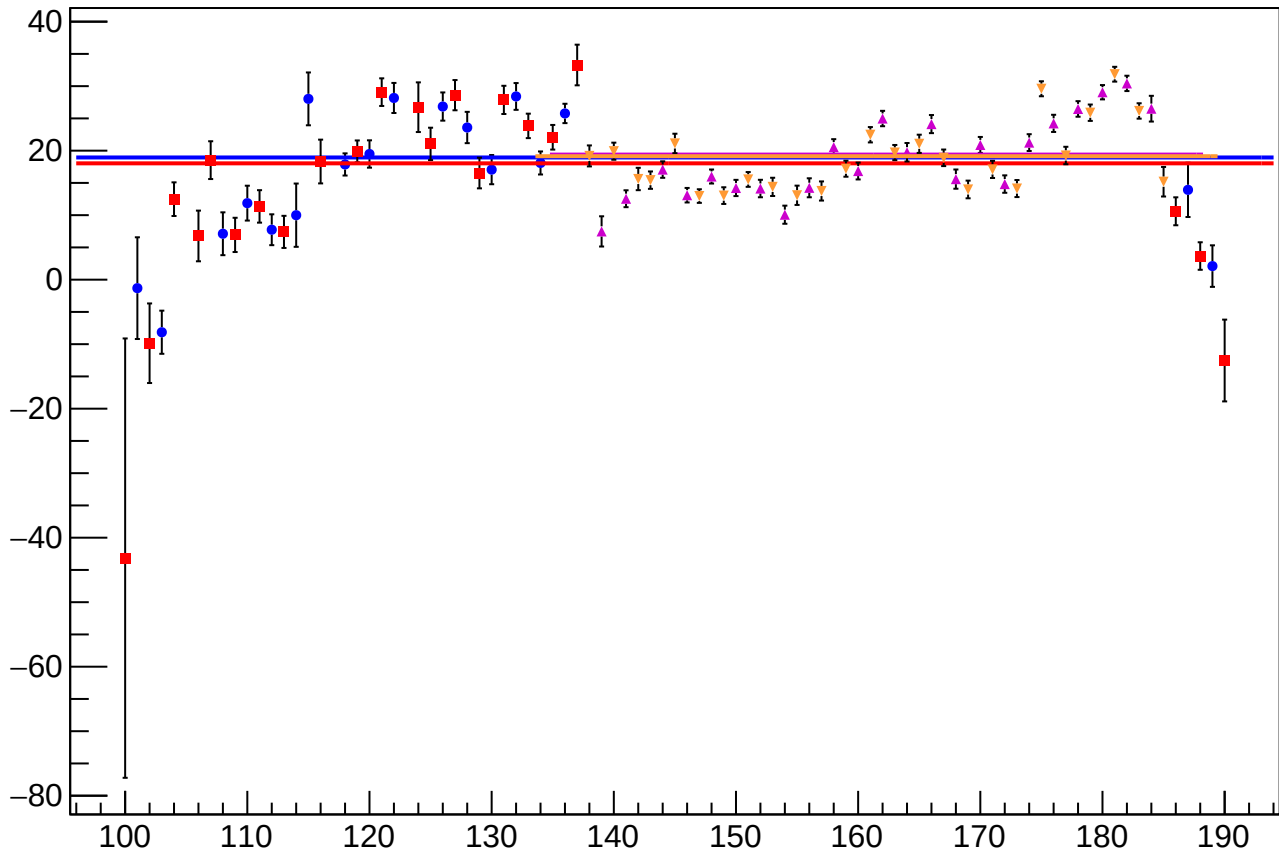
Left In: 59.777 $\pm$ 0.312 χ^2 /NDF:1070.5/22

+ sign 61.820 $\pm$ 0.259 χ^2 /NDF: 2401.3/42

All: 63.110 $\pm$ 0.179 χ^2 /NDF: 4941.7/87

- sign 64.297 $\pm$ 0.249 χ^2 /NDF: 2492.9/44

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 18.944 $\pm$ 0.571 χ^2 /NDF: 226.0/17

Left Out: 19.138 $\pm$ 0.264 χ^2 /NDF: 433.7/24

Right Out: 18.034 $\pm$ 0.544 χ^2 /NDF: 272.1/21

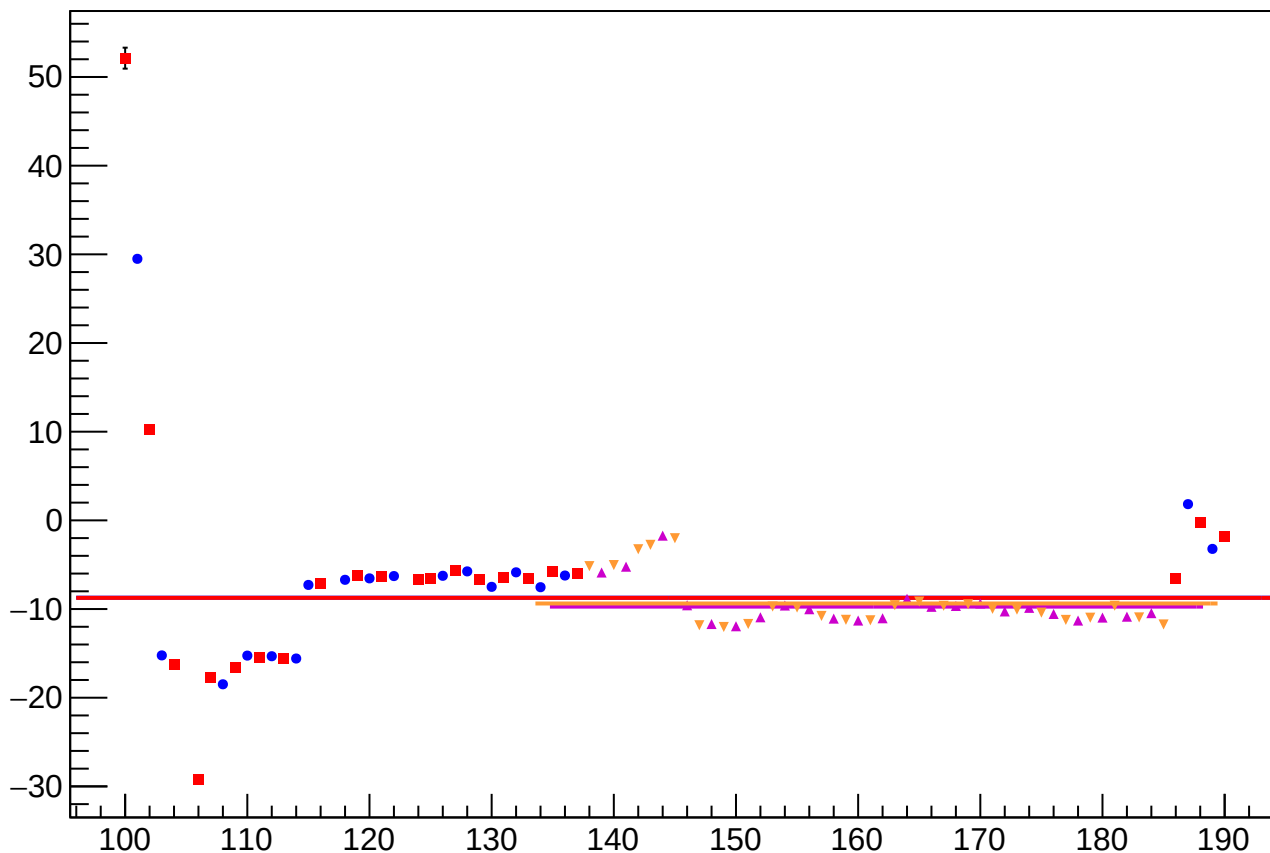
Left In: 19.390 $\pm$ 0.274 χ^2 /NDF: 467.7/22

+ sign 19.104 $\pm$ 0.240 χ^2 /NDF: 659.8/42

All: 19.110 $\pm$ 0.171 χ^2 /NDF: 1404.6/87

- sign 19.116 $\pm$ 0.244 χ^2 /NDF: 744.8/44

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -8.720 ± 0.032 χ^2/NDF : 35020.8/17

Left Out: -9.375 ± 0.012 χ^2/NDF : 49934.3/24

Right Out: -8.738 ± 0.032 χ^2/NDF : 62643.5/21

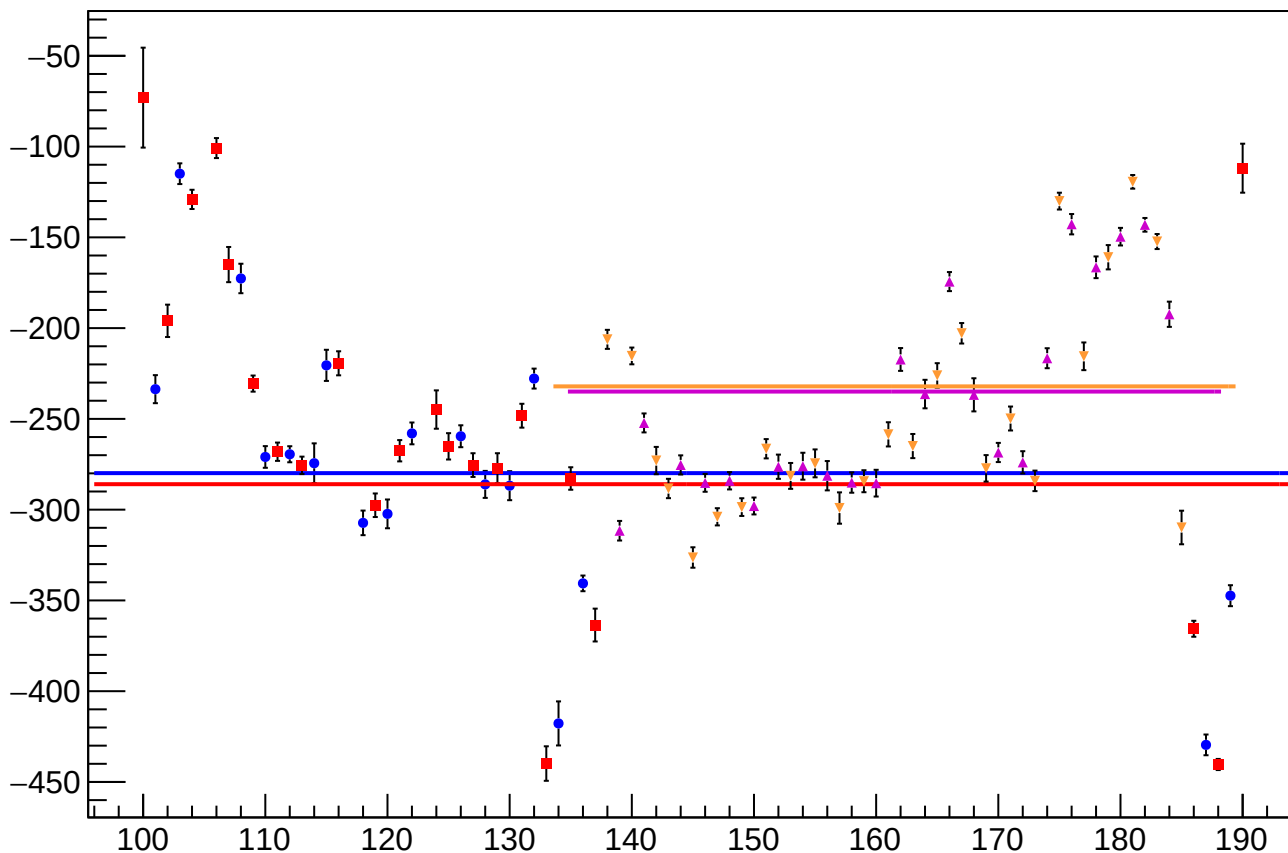
Left In: -9.726 ± 0.012 χ^2/NDF : 31951.7/22

+ sign -9.294 ± 0.011 χ^2/NDF : 85329.1/42

All: -9.444 ± 0.008 χ^2/NDF : 181143.8/87

- sign -9.600 ± 0.011 χ^2/NDF : 95442.7/44

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -279.878 $\pm$ 1.500 χ^2/NDF : 2392.6/17

Left Out: -232.091 $\pm$ 1.143 χ^2/NDF : 3269.9/24

Right Out: -285.971 $\pm$ 1.286 χ^2/NDF : 6038.6/21

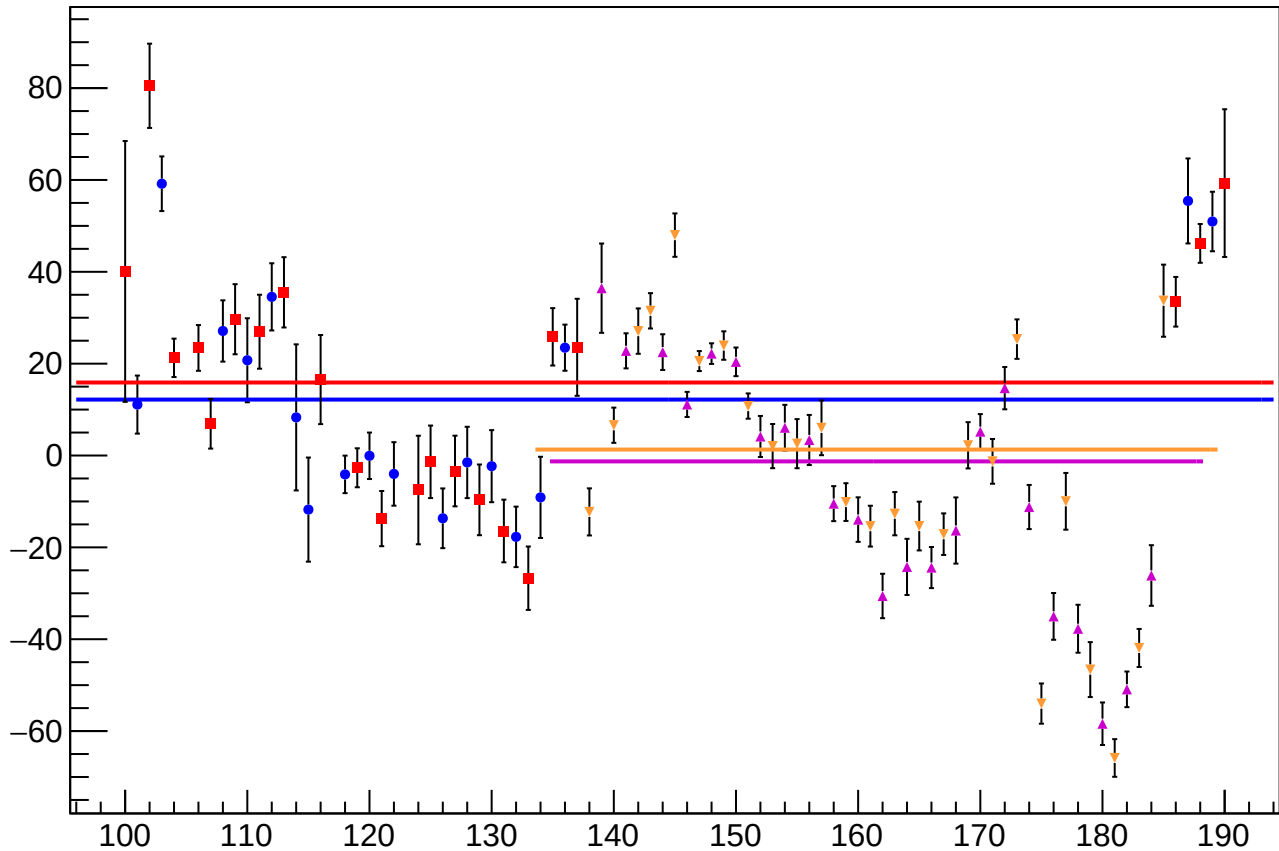
Left In: -234.951 $\pm$ 1.176 χ^2/NDF : 2470.2/22

+ sign -249.651 $\pm$ 0.909 χ^2/NDF : 6304.8/42

All: -254.111 $\pm$ 0.628 χ^2/NDF : 15716.9/87

- sign -258.175 $\pm$ 0.868 χ^2/NDF : 9366.0/44

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.180 ± 1.570 $\chi^2/\text{NDF}: 220.8/17$

Left Out: 1.295 ± 0.837 $\chi^2/\text{NDF}: 1049.5/24$

Right Out: 15.896 ± 1.391 $\chi^2/\text{NDF}: 271.2/21$

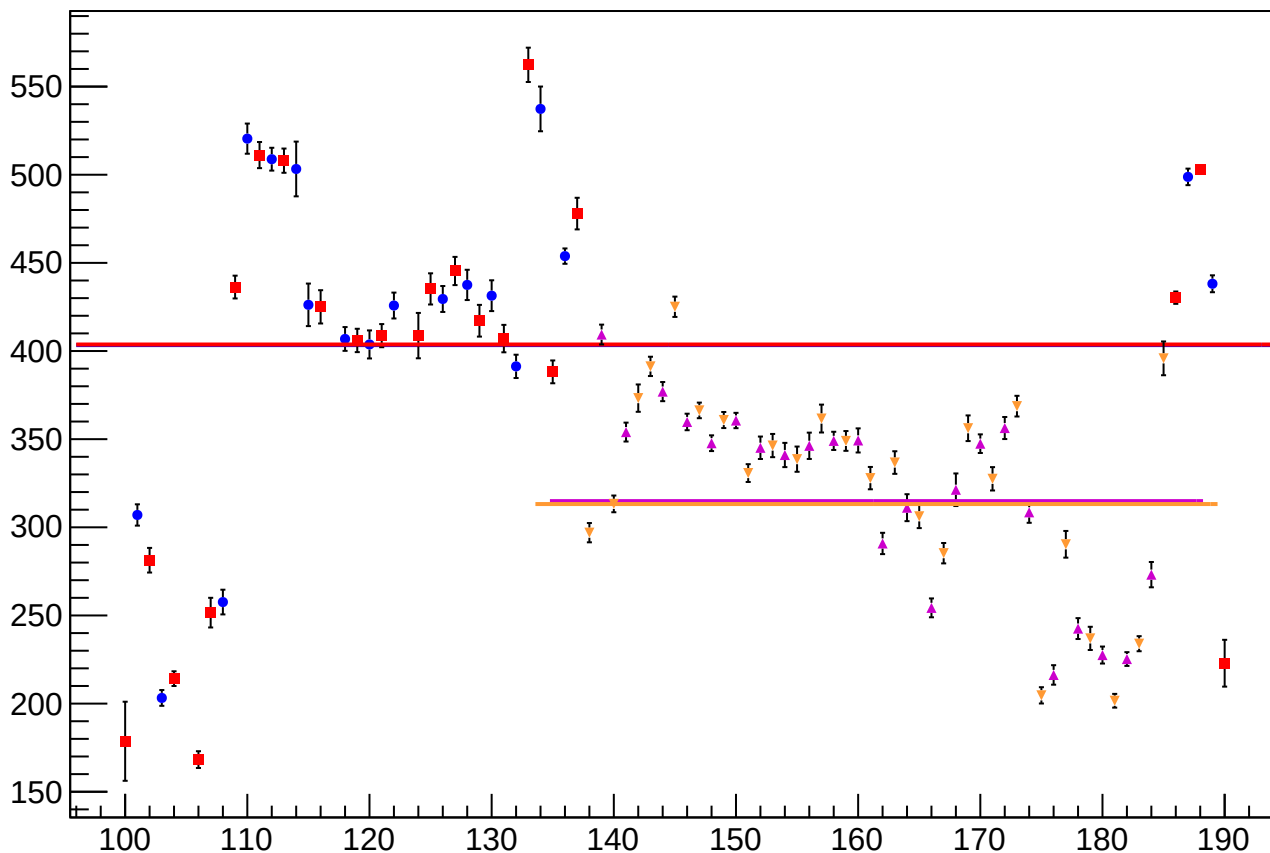
Left In: -1.280 ± 0.869 $\chi^2/\text{NDF}: 811.2/22$

+ sign 3.703 ± 0.739 $\chi^2/\text{NDF}: 1307.7/42$

All: 3.620 ± 0.522 $\chi^2/\text{NDF}: 2499.7/87$

- sign 3.538 ± 0.737 $\chi^2/\text{NDF}: 1192.0/44$

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 403.360 $\pm$ 1.546 χ^2 /NDF: 3943.9/17

Left Out: 313.197 $\pm$ 1.134 χ^2 /NDF:3135.7/24

Right Out: 403.696 $\pm$ 1.269 χ^2 /NDF: 7964.4/21

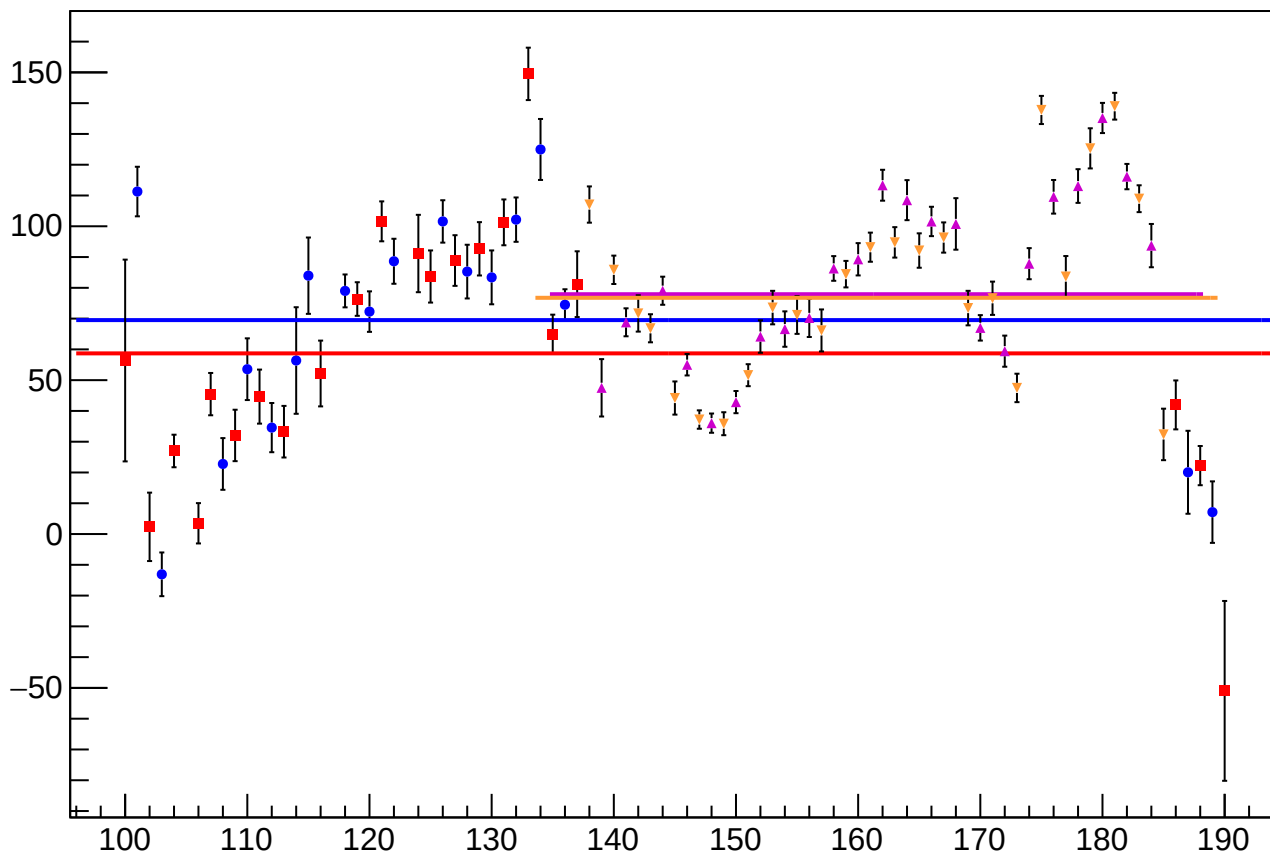
Left In: 314.864 $\pm$ 1.161 χ^2 /NDF:2429.0/22

+ sign 344.738 $\pm$ 0.914 χ^2 /NDF: 9291.2/42

All: 350.396 $\pm$ 0.625 χ^2 /NDF: 22423.9/87

- sign 355.362 $\pm$ 0.857 χ^2 /NDF: 13060.8/44

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 69.512 $\pm$ 1.846 χ^2 /NDF: 359.7/17

Left Out: 76.758 $\pm$ 0.967 χ^2 /NDF:1035.3/24

Right Out: 58.700 $\pm$ 1.685 χ^2 /NDF: 460.3/21

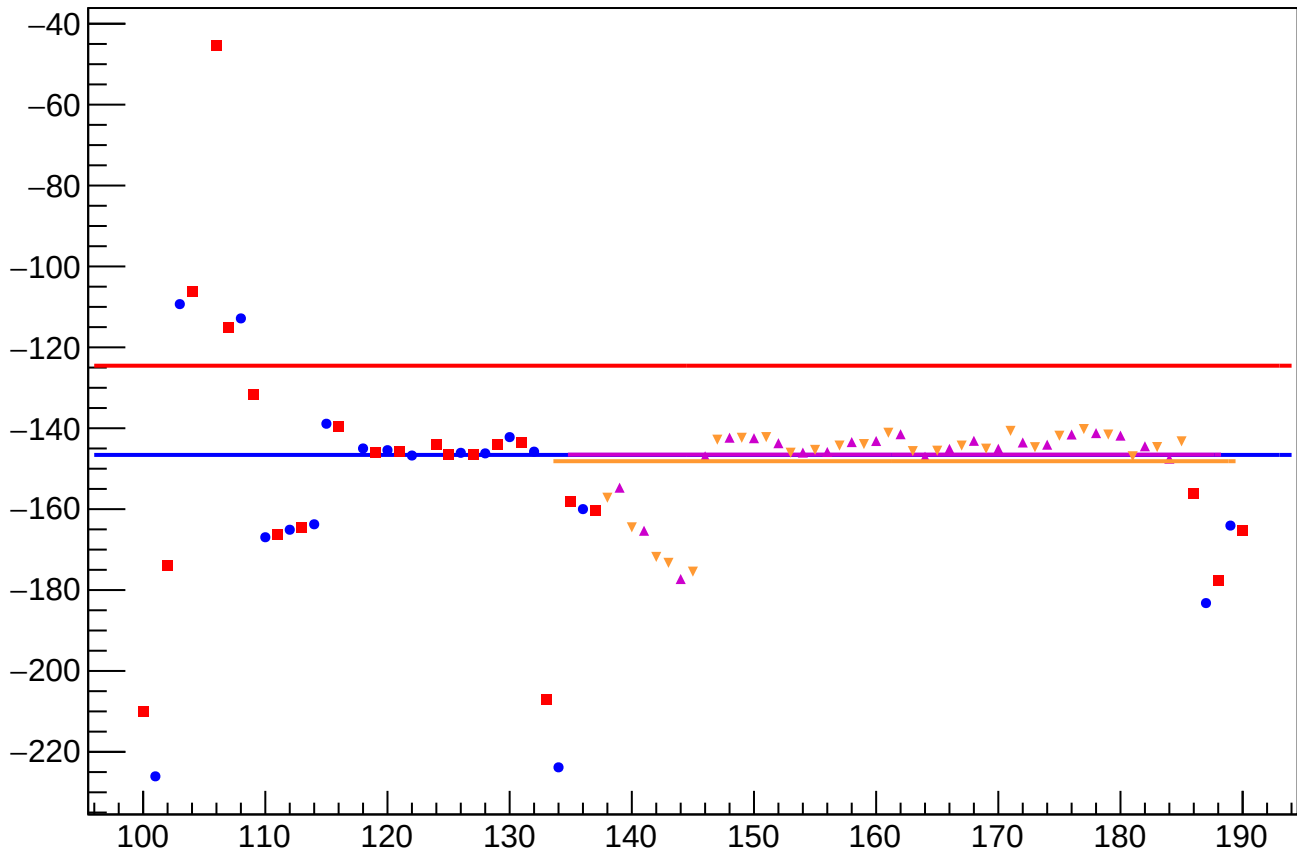
Left In: 77.923 $\pm$ 0.997 χ^2 /NDF:783.8/22

+ sign 75.199 $\pm$ 0.856 χ^2 /NDF: 1407.1/42

All: 74.072 $\pm$ 0.606 χ^2 /NDF: 2751.0/87

- sign 72.941 $\pm$ 0.858 χ^2 /NDF: 1340.5/44

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -146.592 ± 0.096 $\chi^2/\text{NDF}: 135908.8/17$

Left Out: -148.148 ± 0.045 $\chi^2/\text{NDF}: 48910.2/24$

Right Out: -124.538 ± 0.085 $\chi^2/\text{NDF}: 301244.2/21$

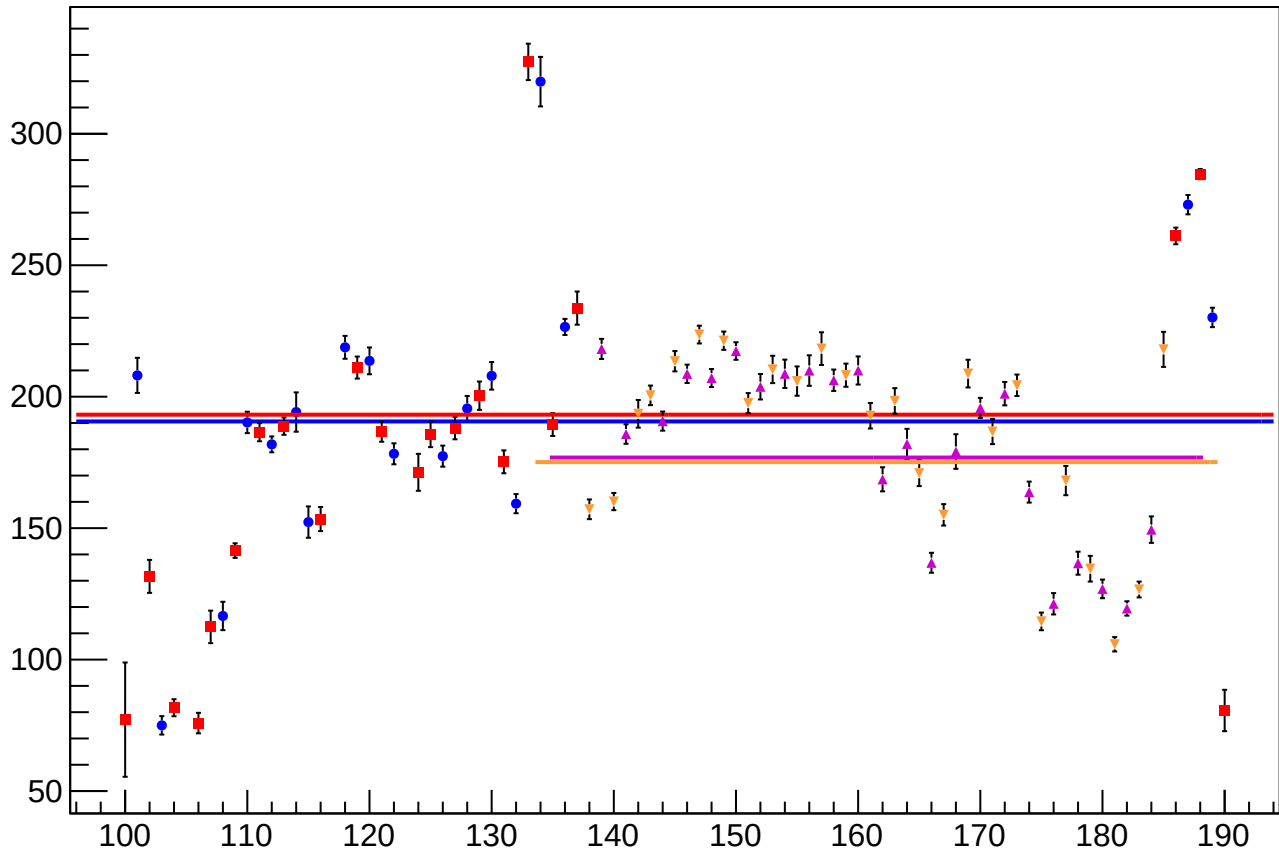
Left In: -146.523 ± 0.046 $\chi^2/\text{NDF}: 29172.3/22$

+ sign -147.865 ± 0.041 $\chi^2/\text{NDF}: 185035.8/42$

All: -144.687 ± 0.029 $\chi^2/\text{NDF}: 579469.2/87$

- sign -141.609 ± 0.040 $\chi^2/\text{NDF}: 382480.4/44$

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 190.589 ± 1.004 χ^2/NDF : 2446.7/17

Left Out: 175.126 ± 0.822 χ^2/NDF : 2295.2/24

Right Out: 193.158 ± 0.851 χ^2/NDF : 6183.1/21

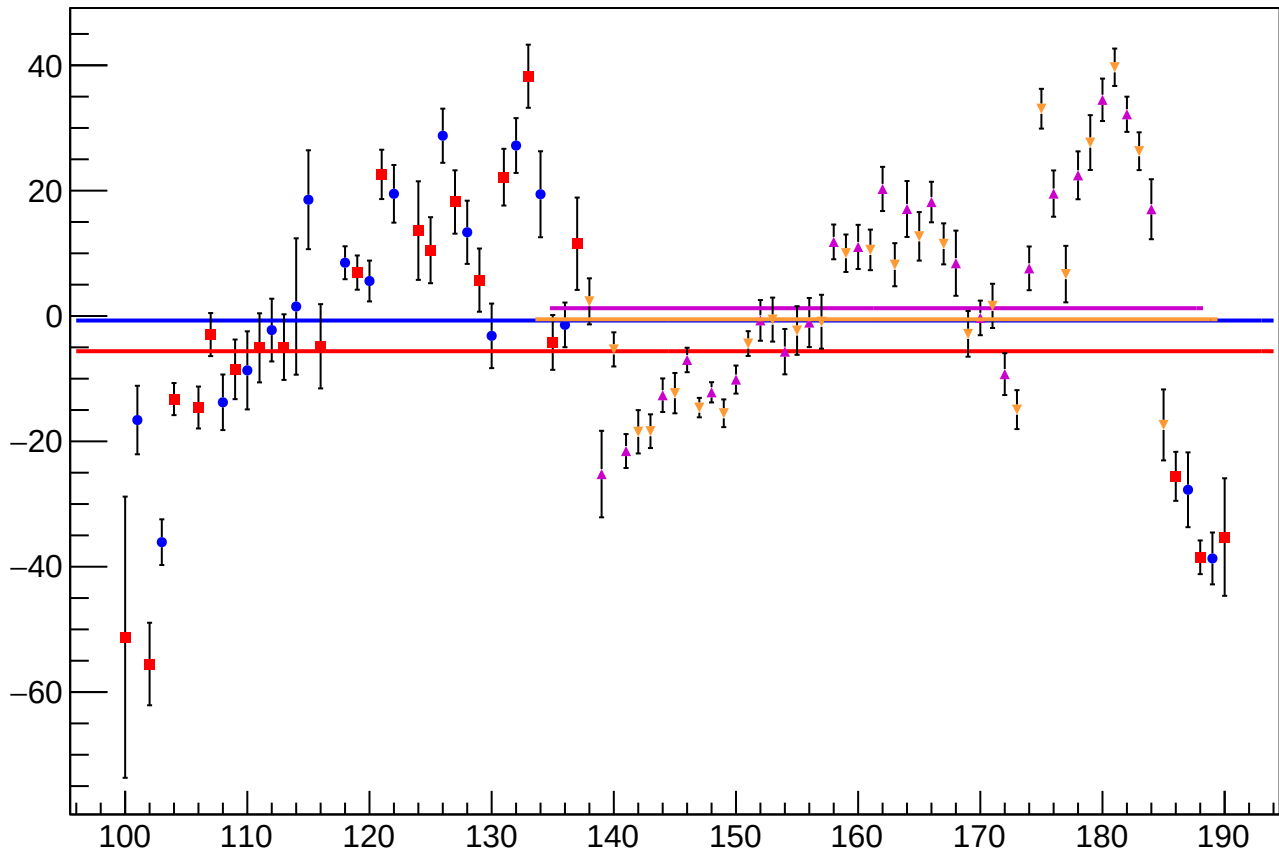
Left In: 176.862 ± 0.847 χ^2/NDF : 1756.1/22

+ sign 181.328 ± 0.636 χ^2/NDF : 4883.8/42

All: 183.256 ± 0.437 χ^2/NDF : 13024.5/87

- sign 184.973 ± 0.600 χ^2/NDF : 8123.4/44

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.722 ± 1.051 χ^2/NDF : 362.9/17

Left Out: -0.523 ± 0.601 χ^2/NDF : 724.5/24

Right Out: -5.618 ± 0.916 χ^2/NDF : 498.6/21

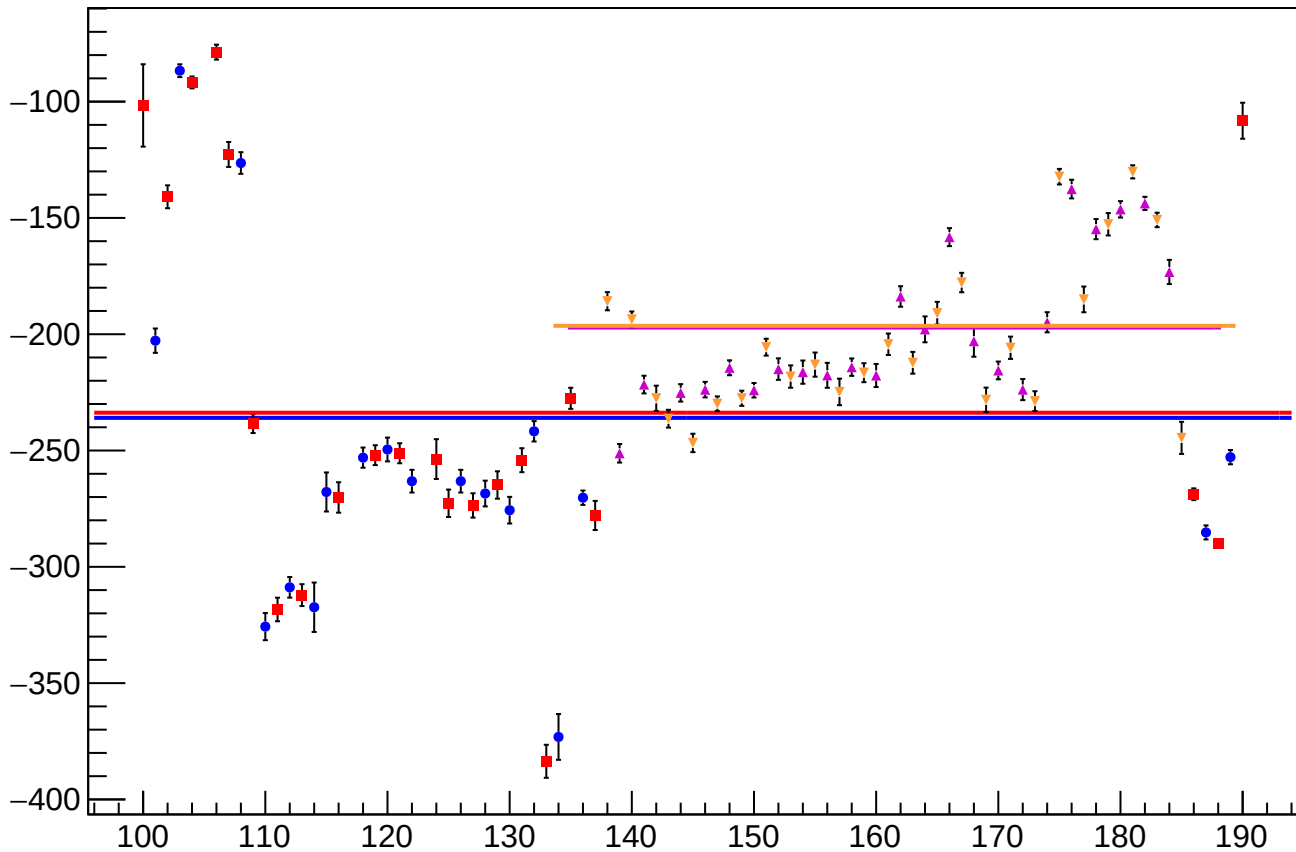
Left In: 1.244 ± 0.625 χ^2/NDF : 620.6/22

+ sign -0.572 ± 0.521 χ^2/NDF : 1087.4/42

All: -0.757 ± 0.367 χ^2/NDF : 2245.1/87

- sign -0.937 ± 0.517 χ^2/NDF : 1157.5/44

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -235.957 ± 1.031 χ^2/NDF : 4906.8/17

Left Out: -196.380 ± 0.816 χ^2/NDF : 1997.7/24

Right Out: -233.738 ± 0.835 χ^2/NDF : 9289.7/21

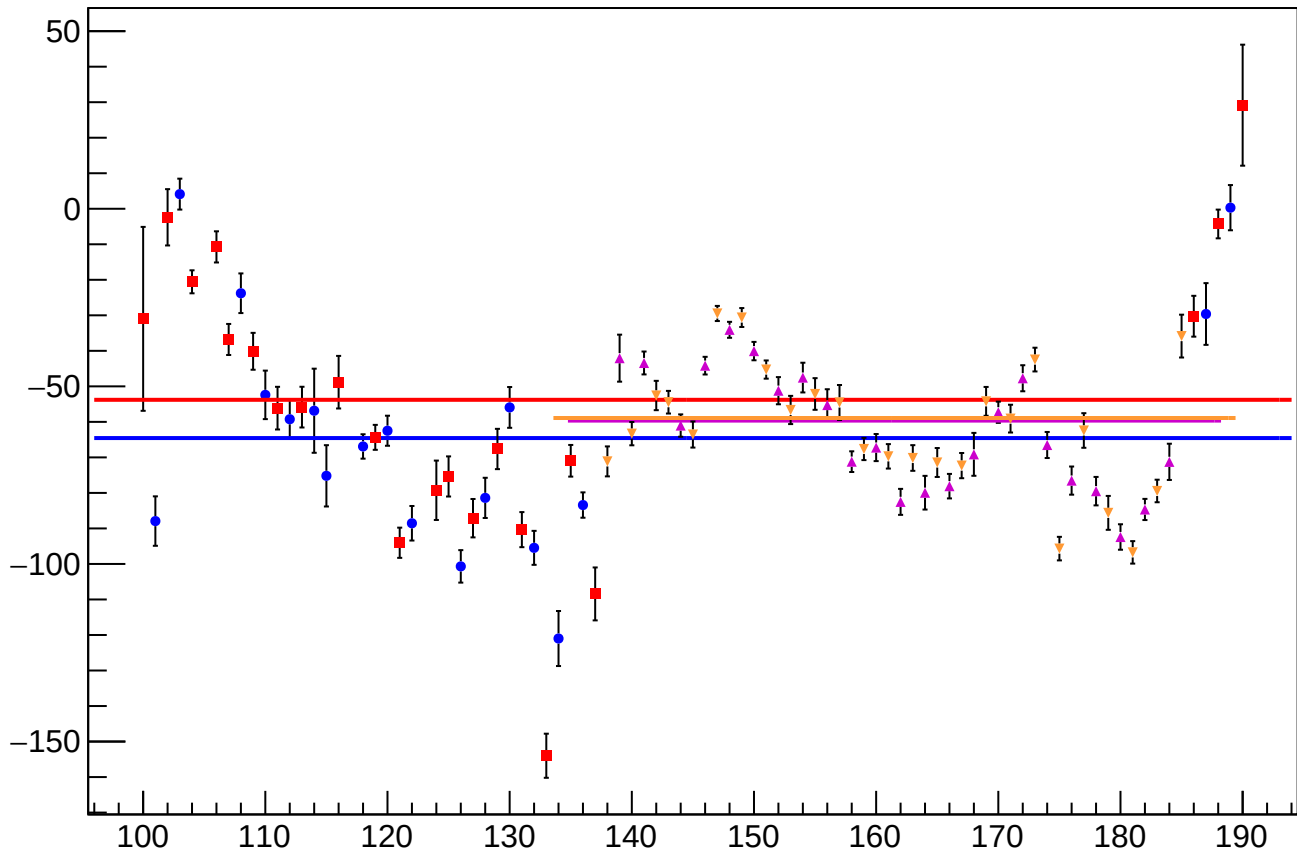
Left In: -197.128 ± 0.837 χ^2/NDF : 1601.5/22

+ sign -211.609 ± 0.640 χ^2/NDF : 7810.2/42

All: -213.693 ± 0.434 χ^2/NDF : 19680.0/87

- sign -215.472 ± 0.591 χ^2/NDF : 11850.2/44

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -64.556 ± 1.240 χ^2/NDF : 661.0/17

Left Out: -58.910 ± 0.695 χ^2/NDF : 782.5/24

Right Out: -53.787 ± 1.112 χ^2/NDF : 1007.8/21

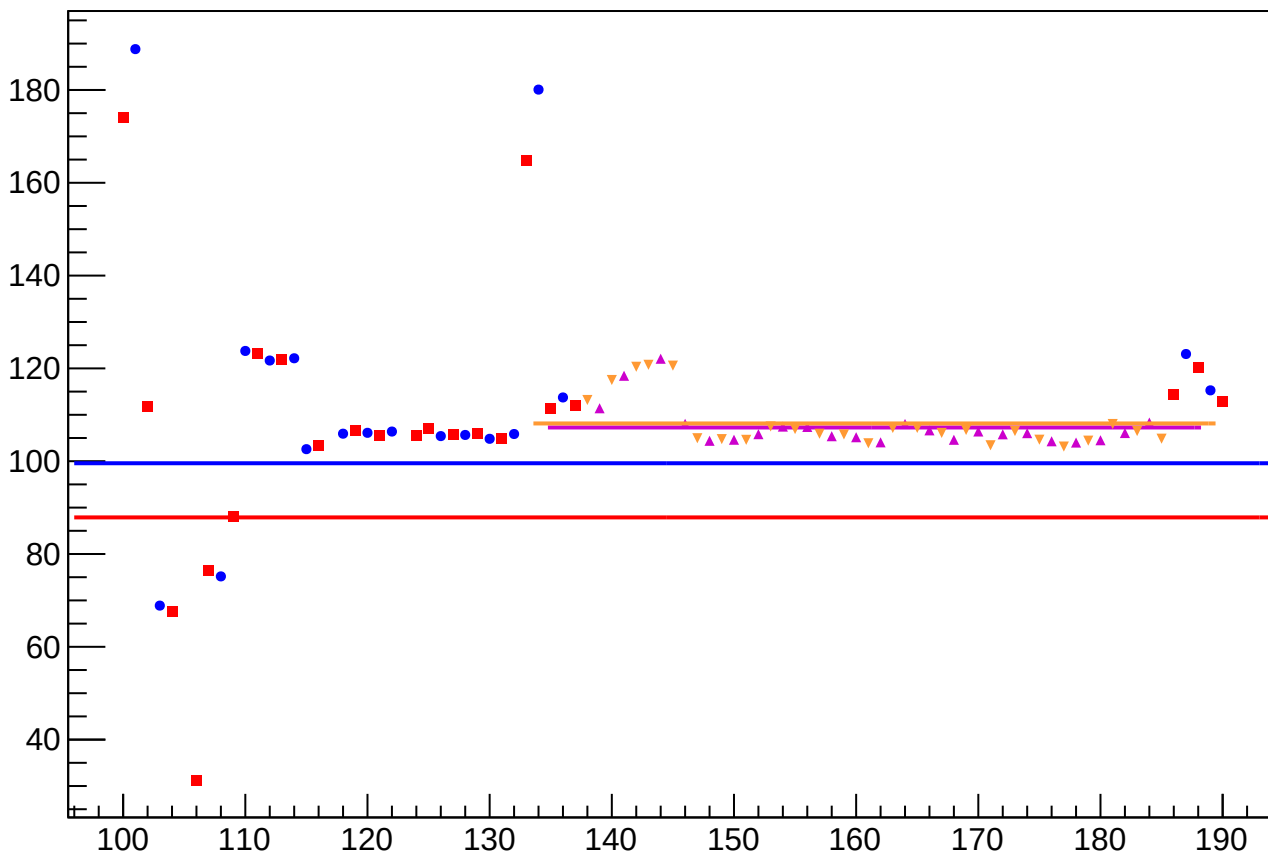
Left In: -59.637 ± 0.718 χ^2/NDF : 597.0/22

+ sign -60.258 ± 0.606 χ^2/NDF : 1459.3/42

All: -59.082 ± 0.428 χ^2/NDF : 3091.1/87

- sign -57.916 ± 0.603 χ^2/NDF : 1624.3/44

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 99.560 $\pm$ 0.064 χ^2 /NDF: 233783.8/17

Left Out: 108.136 $\pm$ 0.032 χ^2 /NDF: 26420.1/24

Right Out: 87.888 $\pm$ 0.058 χ^2 /NDF: 300214.2/21

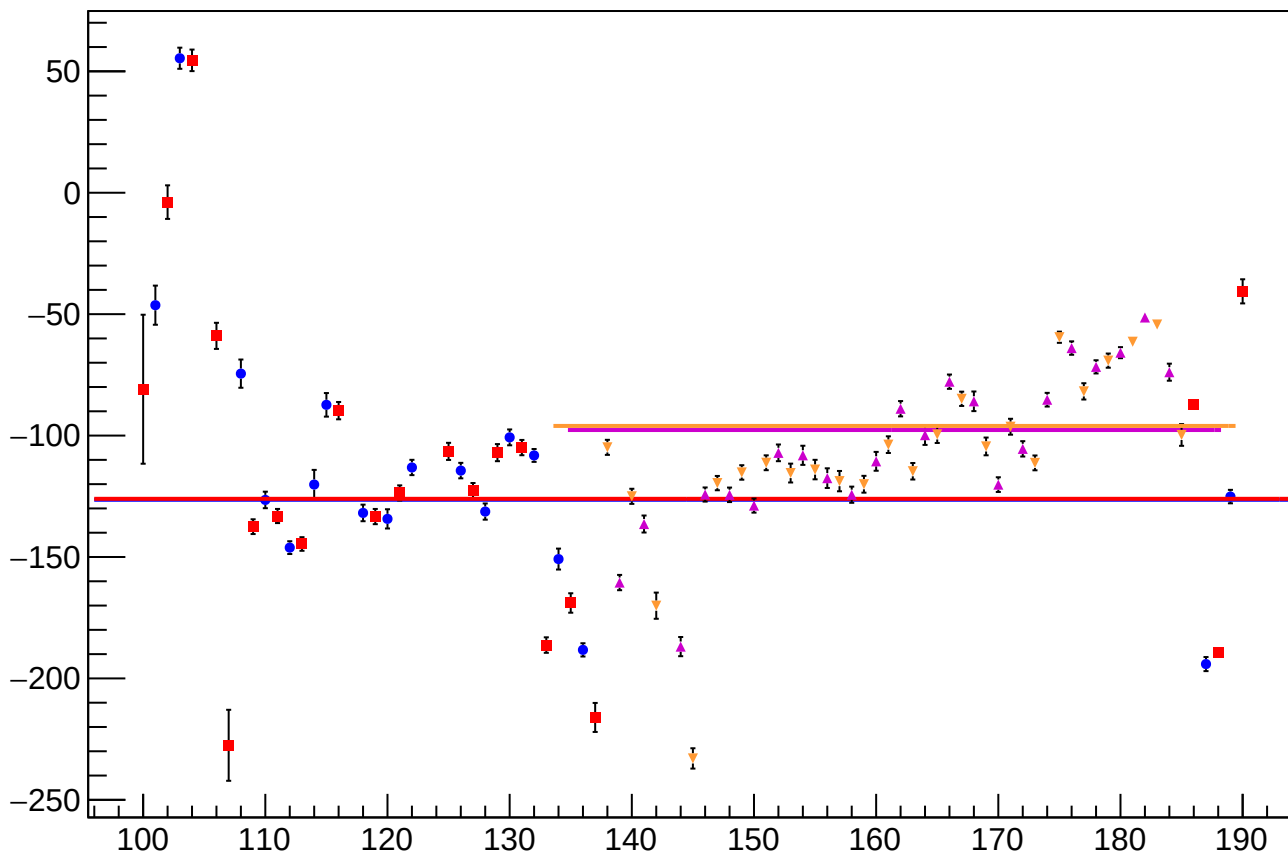
Left In: 107.266 $\pm$ 0.033 χ^2 /NDF: 16879.3/22

+ sign 106.380 $\pm$ 0.029 χ^2 /NDF: 274502.3/42

All: 104.413 $\pm$ 0.020 χ^2 /NDF: 686297.8/87

- sign 102.503 $\pm$ 0.029 χ^2 /NDF: 402691.1/44

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -126.426 ± 0.814 χ^2/NDF : 3285.4/17

Left Out: -96.026 ± 0.635 χ^2/NDF : 2770.9/23

Right Out: -126.041 ± 0.692 χ^2/NDF : 5509.7/20

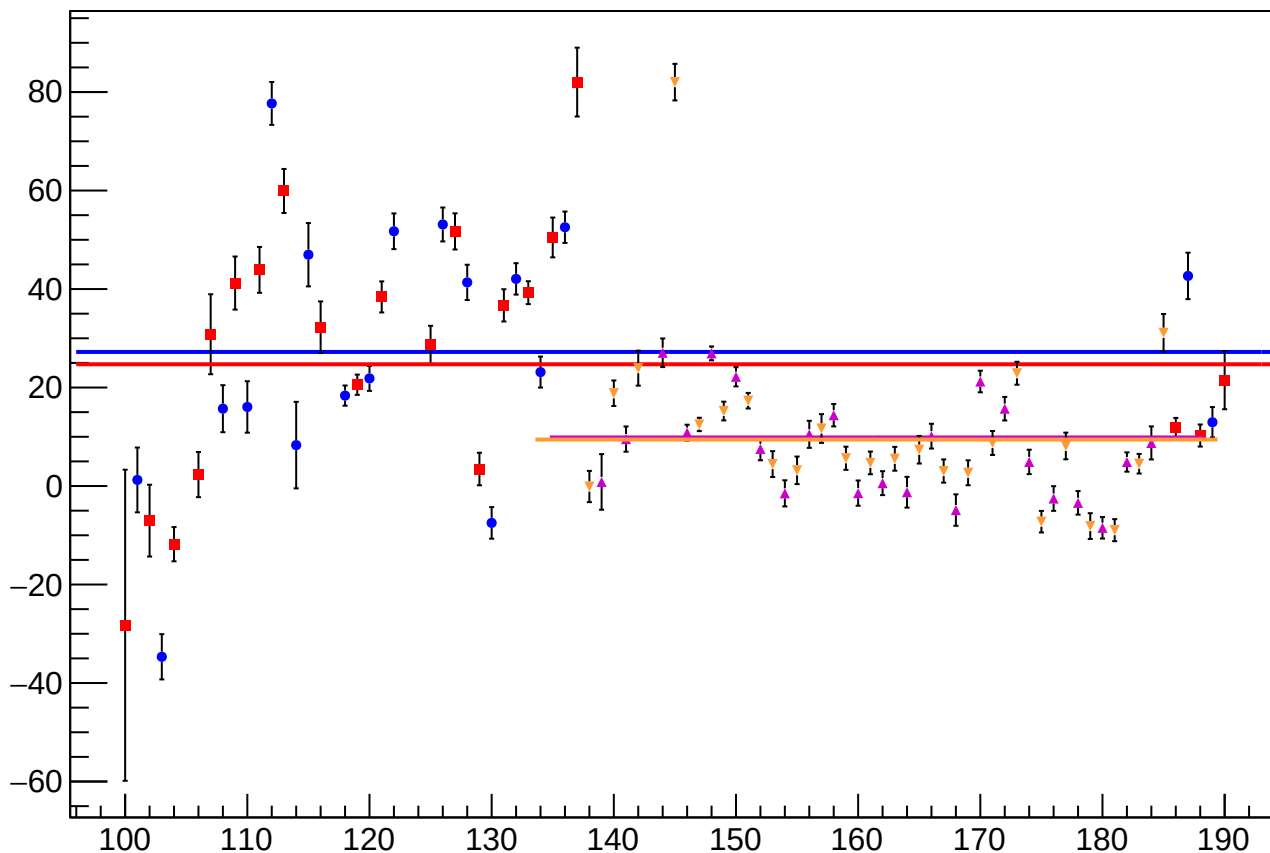
Left In: -97.713 ± 0.639 χ^2/NDF : 2640.9/22

+ sign -107.527 ± 0.501 χ^2/NDF : 6923.7/41

All: -109.239 ± 0.342 χ^2/NDF : 16001.6/85

- sign -110.744 ± 0.469 χ^2/NDF : 9055.9/43

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 27.227 $\pm$ 0.840 χ^2 /NDF: 732.4/17

Left Out: 9.438 $\pm$ 0.478 χ^2 /NDF: 736.4/23

Right Out: 24.724 $\pm$ 0.760 χ^2 /NDF: 609.3/20

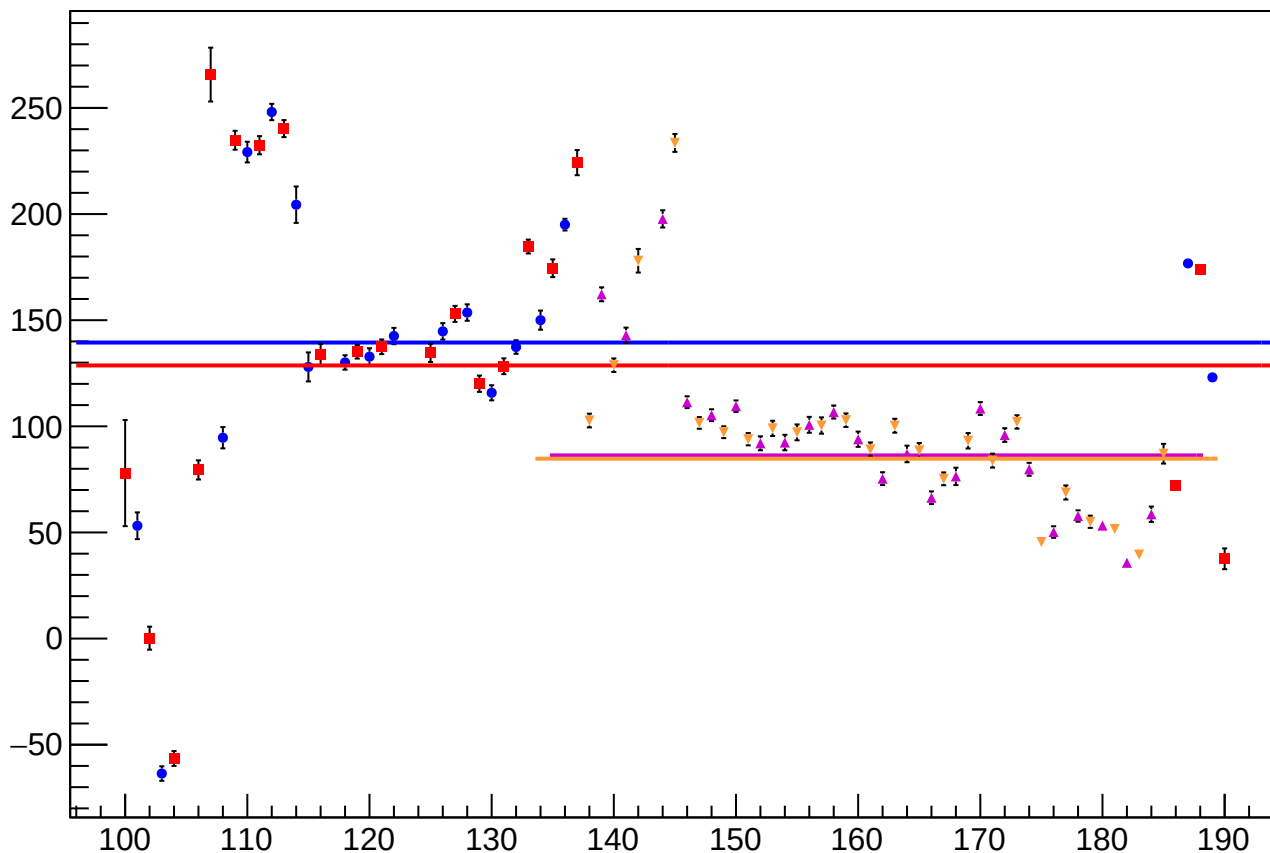
Left In: 9.864 $\pm$ 0.487 χ^2 /NDF: 485.4/22

+ sign 13.792 $\pm$ 0.415 χ^2 /NDF: 1807.8/41

All: 13.993 $\pm$ 0.292 χ^2 /NDF: 3174.3/85

- sign 14.188 $\pm$ 0.410 χ^2 /NDF: 1366.0/43

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 139.479 $\pm$ 0.858 χ^2 /NDF: 5770.2/17

Left Out: 84.759 $\pm$ 0.629 χ^2 /NDF: 3110.5/23

Right Out: 128.681 $\pm$ 0.674 χ^2 /NDF: 9626.8/20

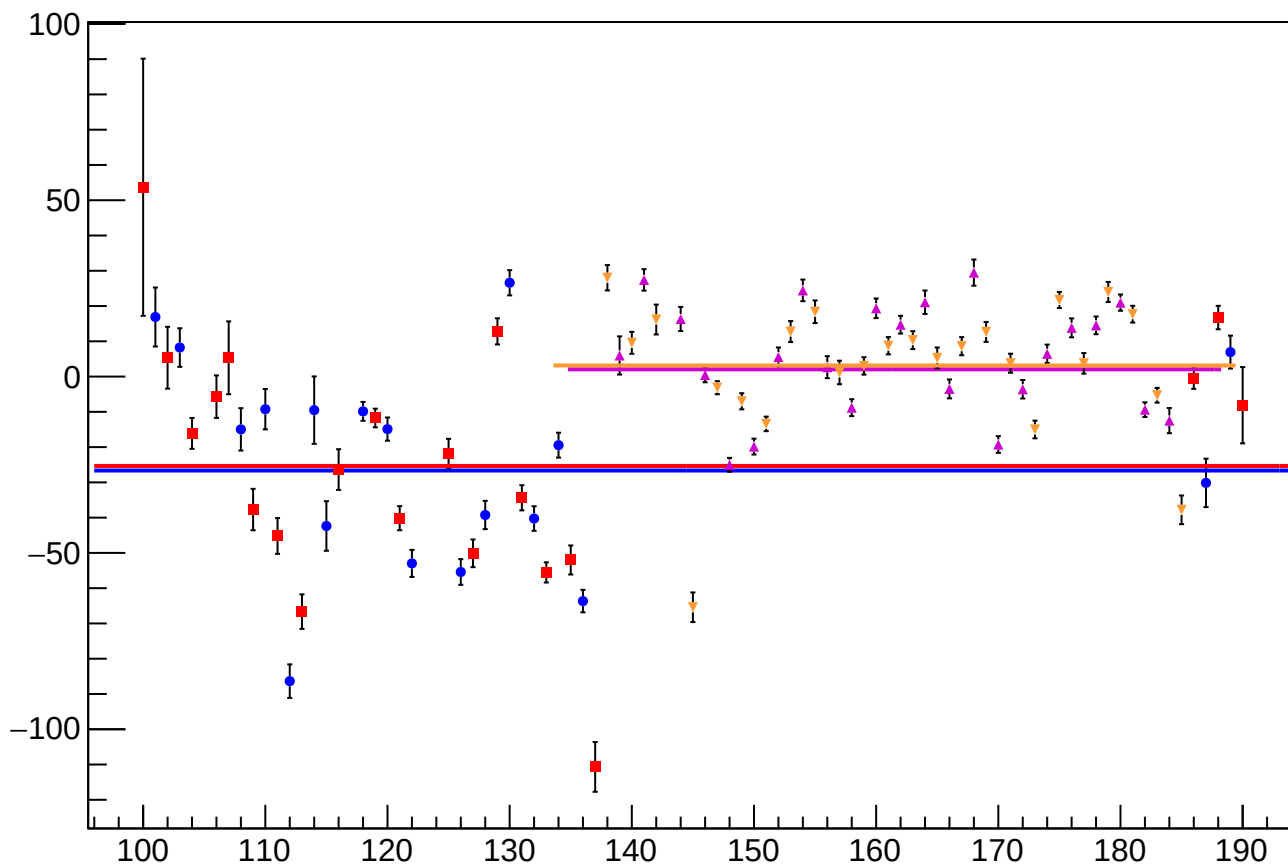
Left In: 86.300 $\pm$ 0.632 χ^2 /NDF: 3152.8/22

+ sign 103.904 $\pm$ 0.507 χ^2 /NDF: 11527.5/41

All: 105.118 $\pm$ 0.341 χ^2 /NDF: 26421.6/85

- sign 106.119 $\pm$ 0.461 χ^2 /NDF: 14883.7/43

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: -26.643 ± 0.988 χ^2/NDF : 845.4/17

Left Out: 3.151 ± 0.544 χ^2/NDF : 813.9/23

Right Out: -25.341 ± 0.929 χ^2/NDF : 860.9/20

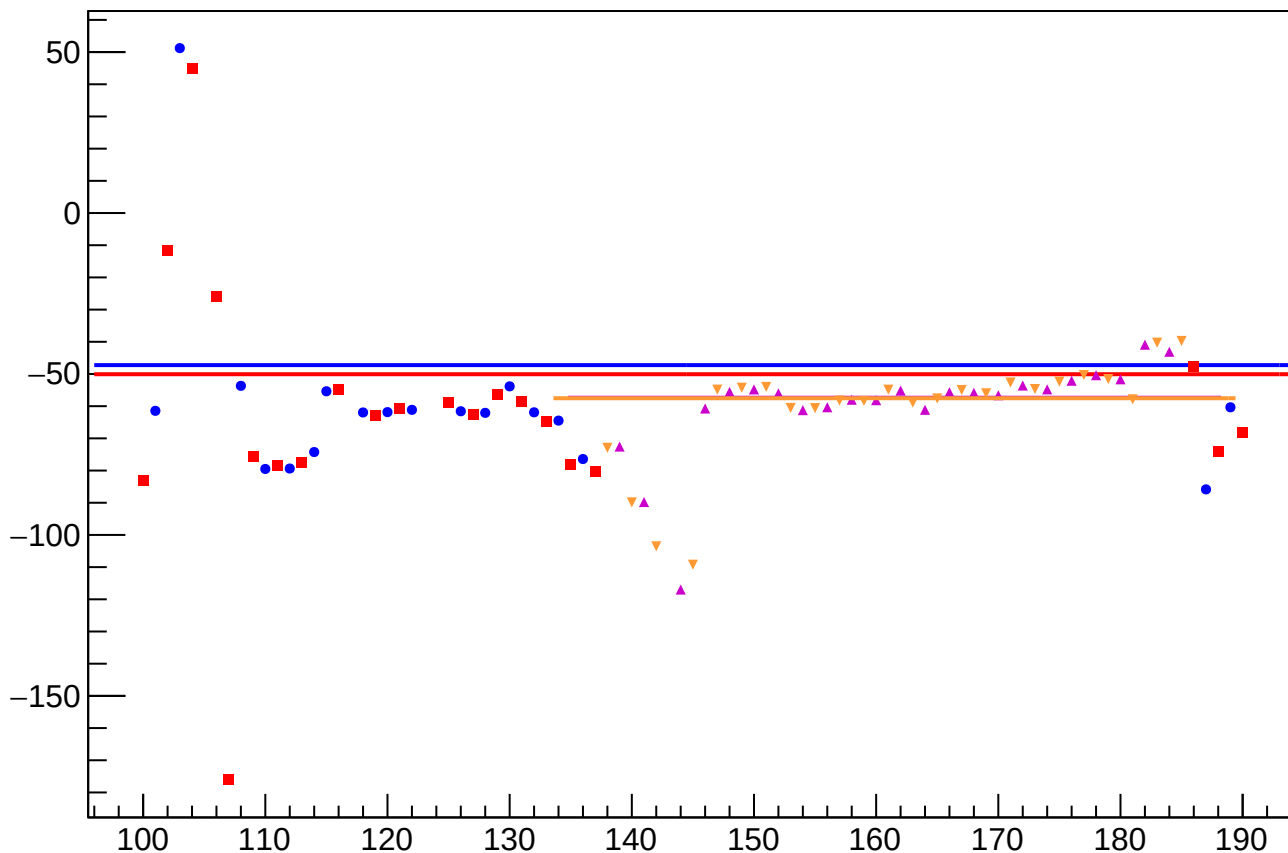
Left In: 2.050 ± 0.551 χ^2/NDF : 850.8/22

+ sign -3.773 ± 0.476 χ^2/NDF : 2357.1/41

All: -4.429 ± 0.336 χ^2/NDF : 4715.7/85

- sign -5.078 ± 0.474 χ^2/NDF : 2354.8/43

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -47.243 ± 0.057 $\chi^2/\text{NDF}: 590966.6/17$

Left Out: -57.532 ± 0.025 $\chi^2/\text{NDF}: 267030.7/23$

Right Out: -50.074 ± 0.056 $\chi^2/\text{NDF}: 521592.4/20$

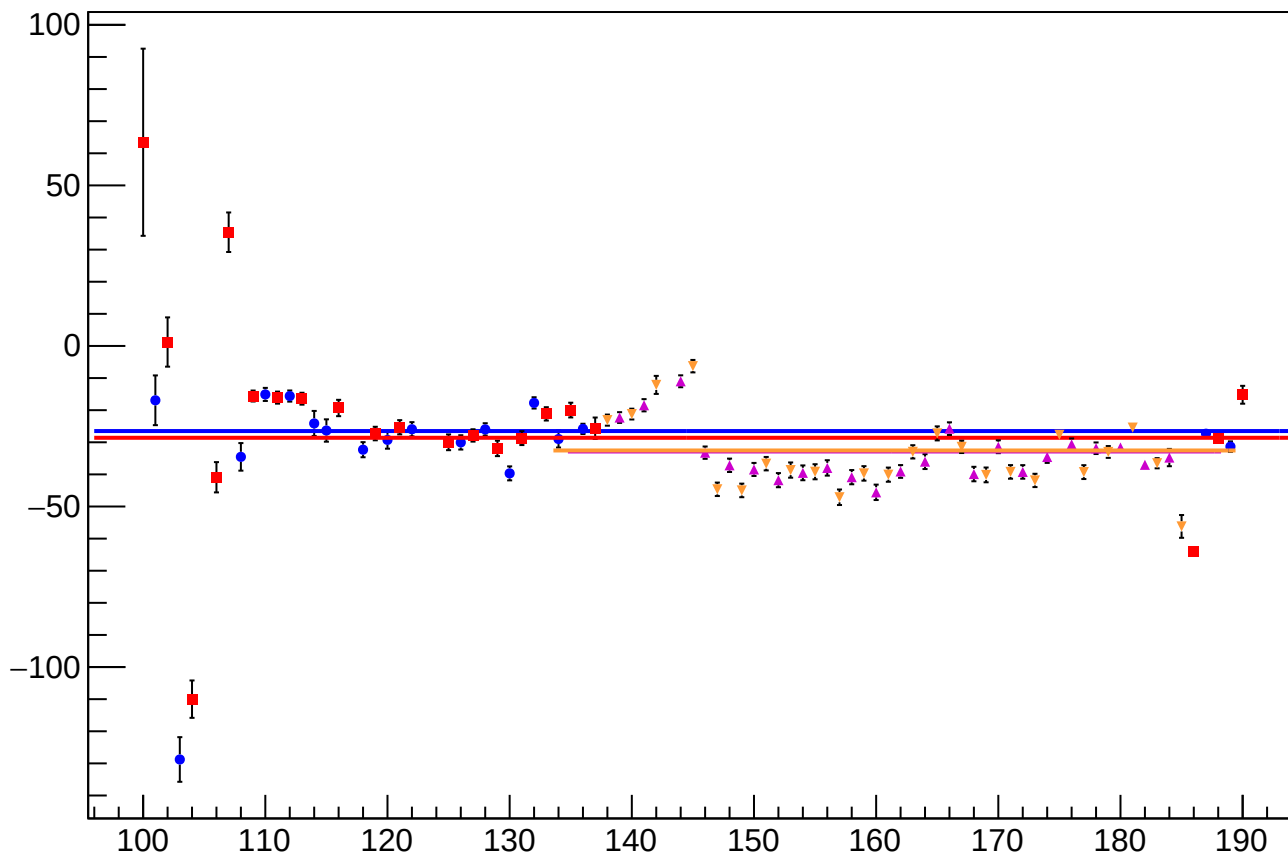
Left In: -57.377 ± 0.025 $\chi^2/\text{NDF}: 227136.8/22$

+ sign -55.896 ± 0.023 $\chi^2/\text{NDF}: 885443.1/41$

All: -56.035 ± 0.016 $\chi^2/\text{NDF}: 1648599.3/85$

- sign -56.172 ± 0.023 $\chi^2/\text{NDF}: 763081.9/43$

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -26.502 ± 0.517 χ^2/NDF : 374.0/17

Left Out: -32.549 ± 0.407 χ^2/NDF : 603.6/23

Right Out: -28.596 ± 0.448 χ^2/NDF : 1173.1/20

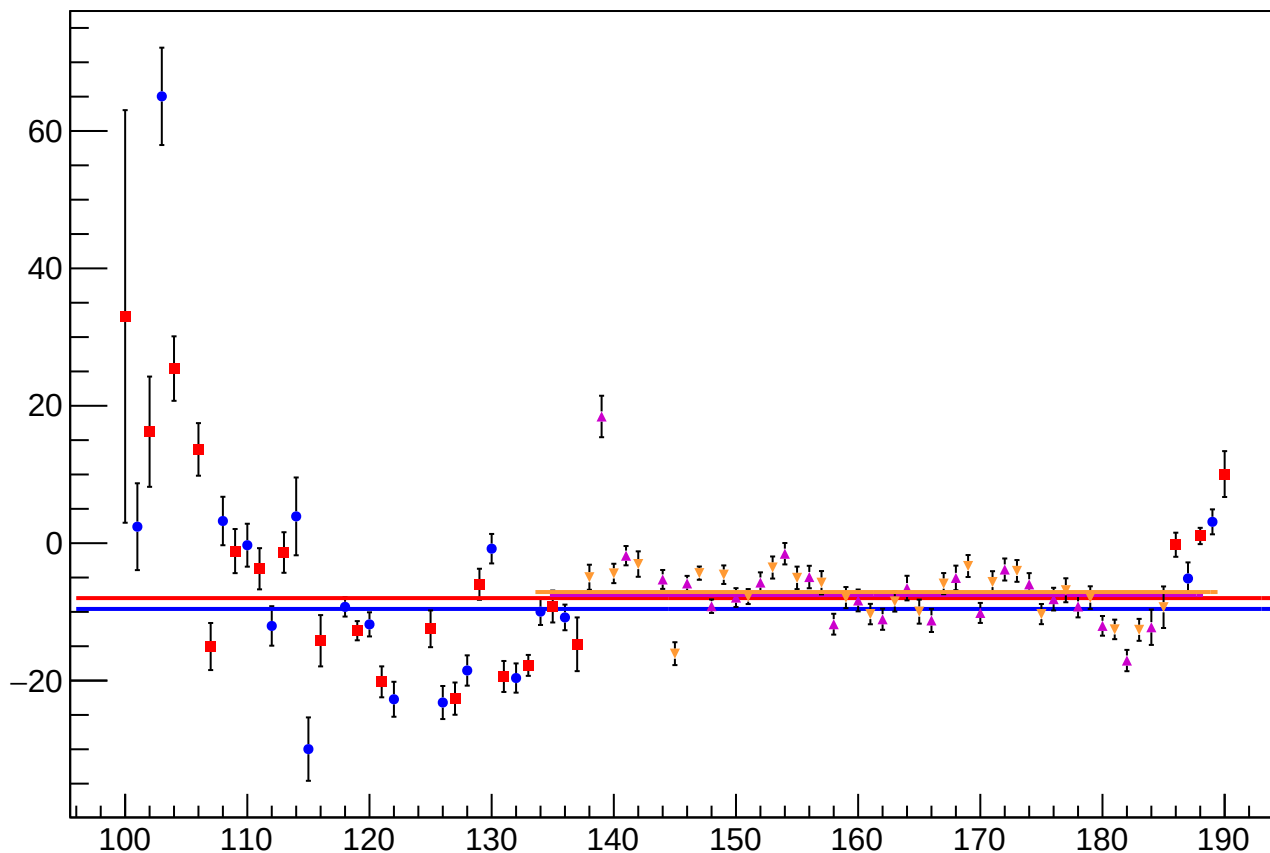
Left In: -32.867 ± 0.411 χ^2/NDF : 373.2/22

+ sign -30.239 ± 0.320 χ^2/NDF : 1062.1/41

All: -30.595 ± 0.220 χ^2/NDF : 2660.0/85

- sign -30.915 ± 0.303 χ^2/NDF : 1595.6/43

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -9.572 ± 0.554 χ^2/NDF : 331.2/17

Left Out: -7.110 ± 0.309 χ^2/NDF : 109.5/23

Right Out: -7.993 ± 0.510 χ^2/NDF : 372.7/20

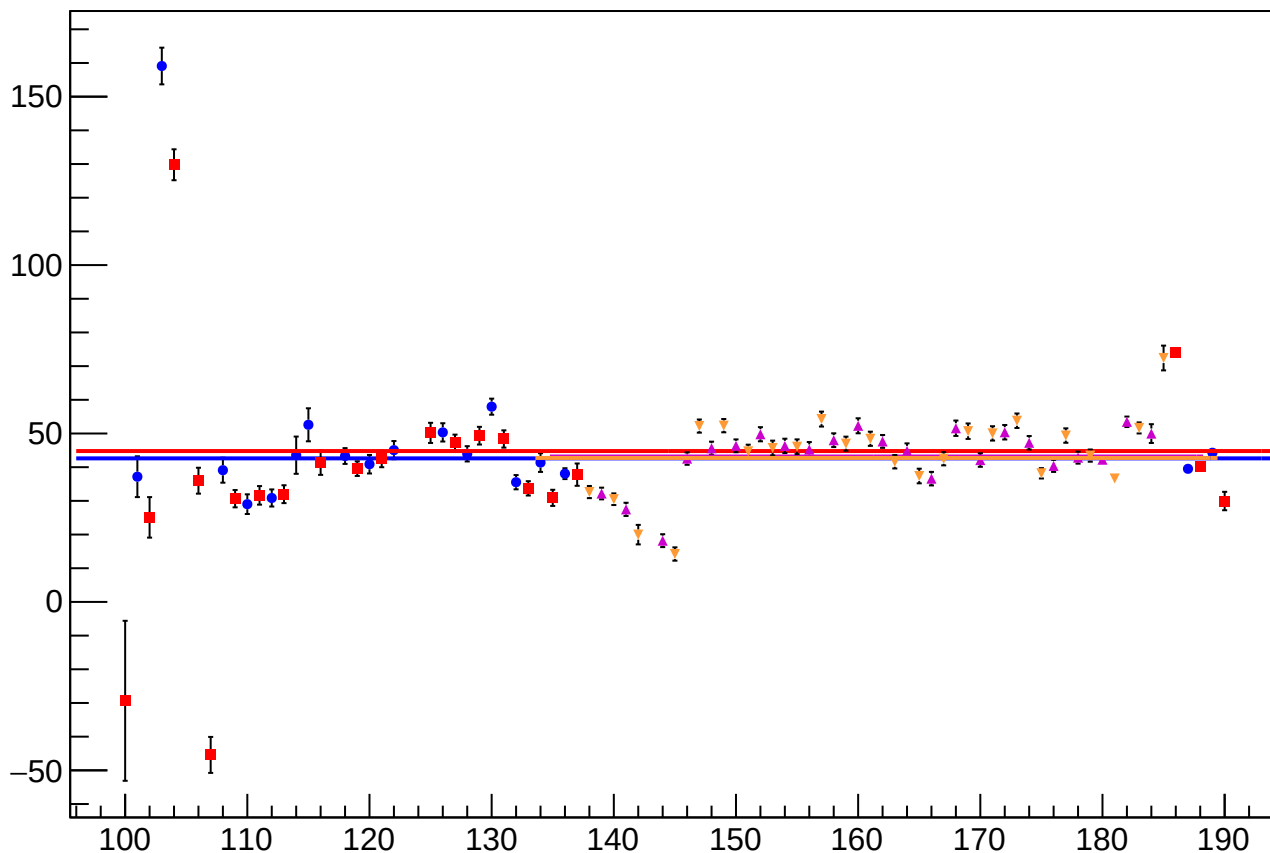
Left In: -7.547 ± 0.315 χ^2/NDF : 199.7/22

+ sign -7.695 ± 0.270 χ^2/NDF : 455.7/41

All: -7.682 ± 0.190 χ^2/NDF : 1028.7/85

- sign -7.670 ± 0.268 χ^2/NDF : 573.0/43

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 42.615 $\pm$ 0.539 χ^2 /NDF: 585.3/17

Left Out: 42.745 $\pm$ 0.403 χ^2 /NDF: 631.5/23

Right Out: 44.791 $\pm$ 0.438 χ^2 /NDF: 1560.9/20

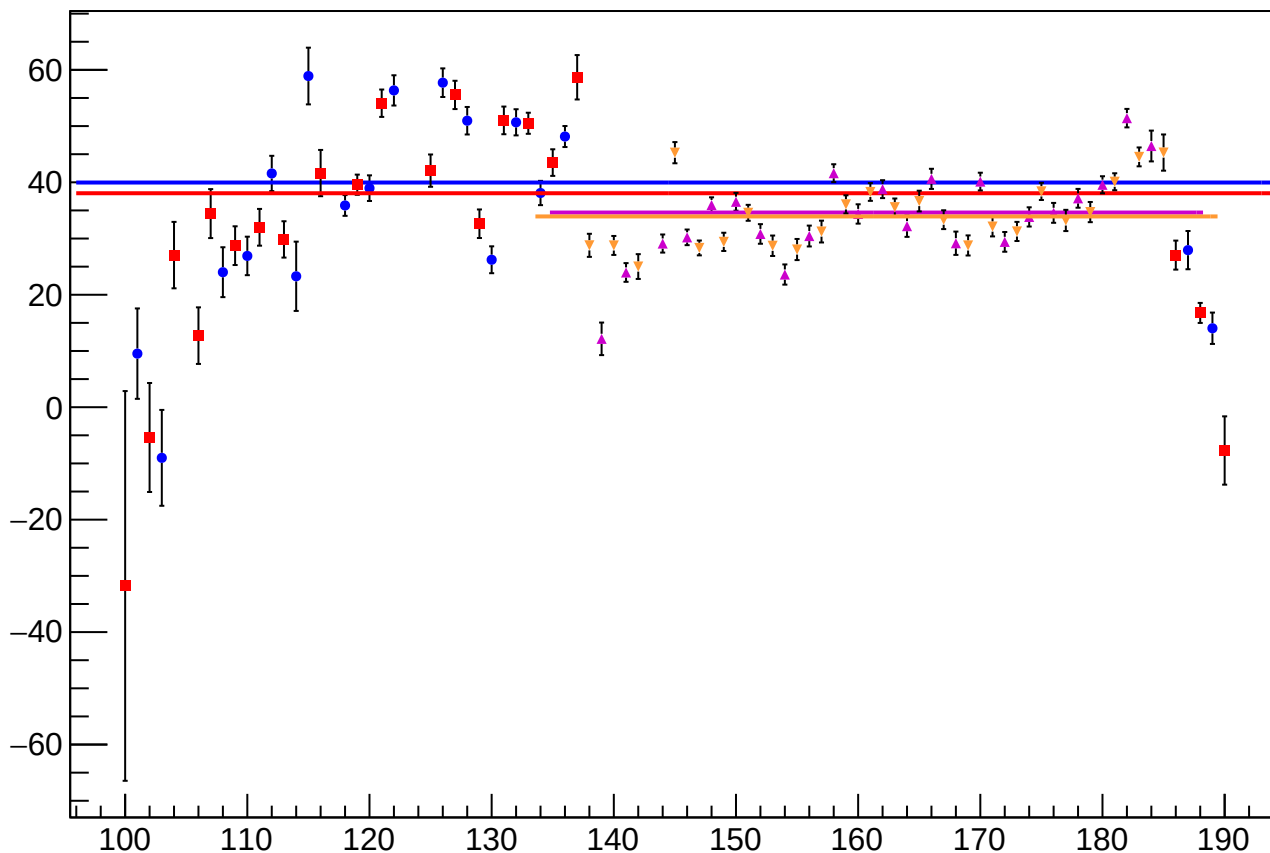
Left In: 43.169 $\pm$ 0.407 χ^2 /NDF: 413.0/22

+ sign 42.698 $\pm$ 0.323 χ^2 /NDF: 1216.8/41

All: 43.358 $\pm$ 0.219 χ^2 /NDF: 3205.8/85

- sign 43.920 $\pm$ 0.298 χ^2 /NDF: 1981.2/43

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 39.962 $\pm$ 0.652 χ^2 /NDF: 380.6/17

Left Out: 33.930 $\pm$ 0.351 χ^2 /NDF: 216.5/23

Right Out: 38.057 $\pm$ 0.624 χ^2 /NDF: 492.8/20

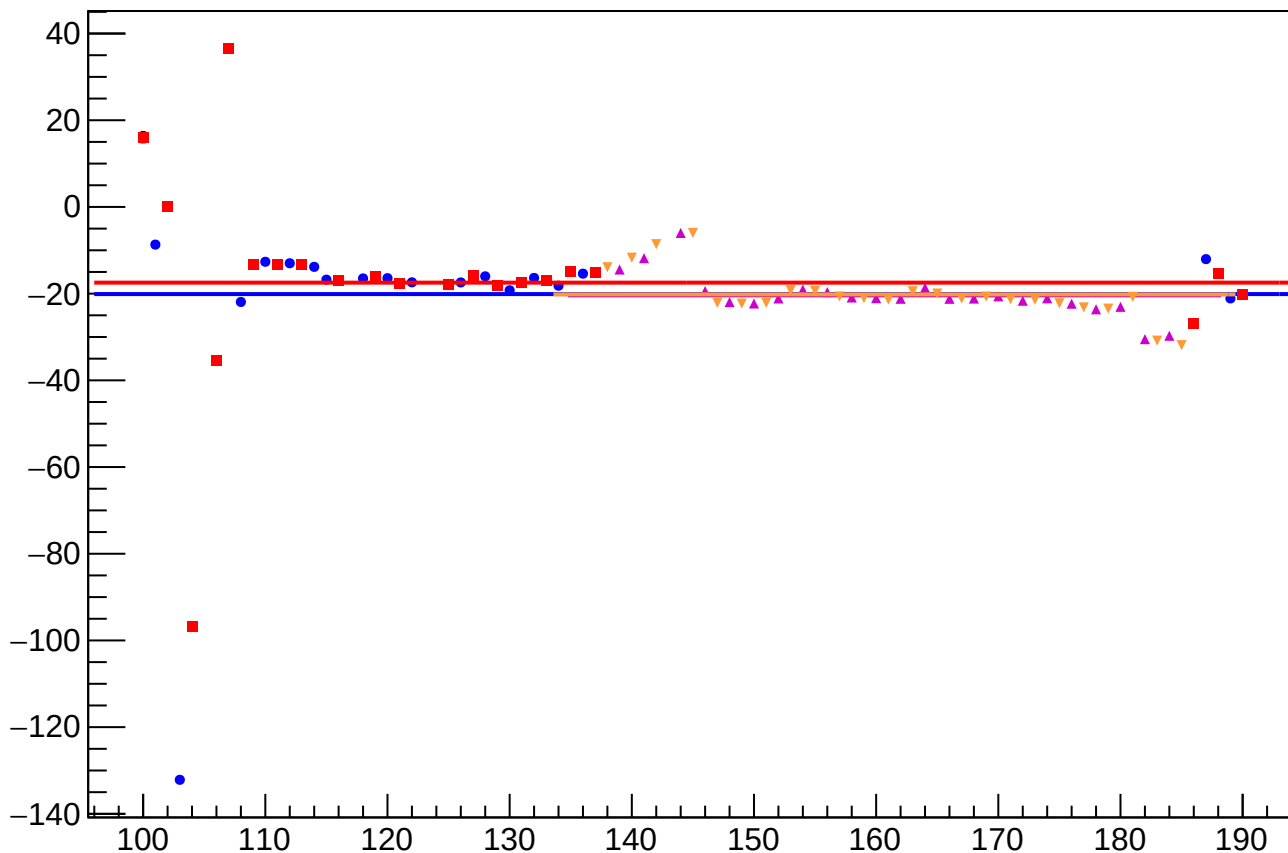
Left In: 34.623 $\pm$ 0.356 χ^2 /NDF: 376.1/22

+ sign 35.285 $\pm$ 0.309 χ^2 /NDF: 663.5/41

All: 35.376 $\pm$ 0.219 χ^2 /NDF: 1555.3/85

- sign 35.466 $\pm$ 0.309 χ^2 /NDF: 891.7/43

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: -20.102 ± 0.039 χ^2/NDF : 247571.0/17

Left Out: -20.174 ± 0.016 χ^2/NDF : 99947.2/23

Right Out: -17.462 ± 0.038 χ^2/NDF : 207920.7/20

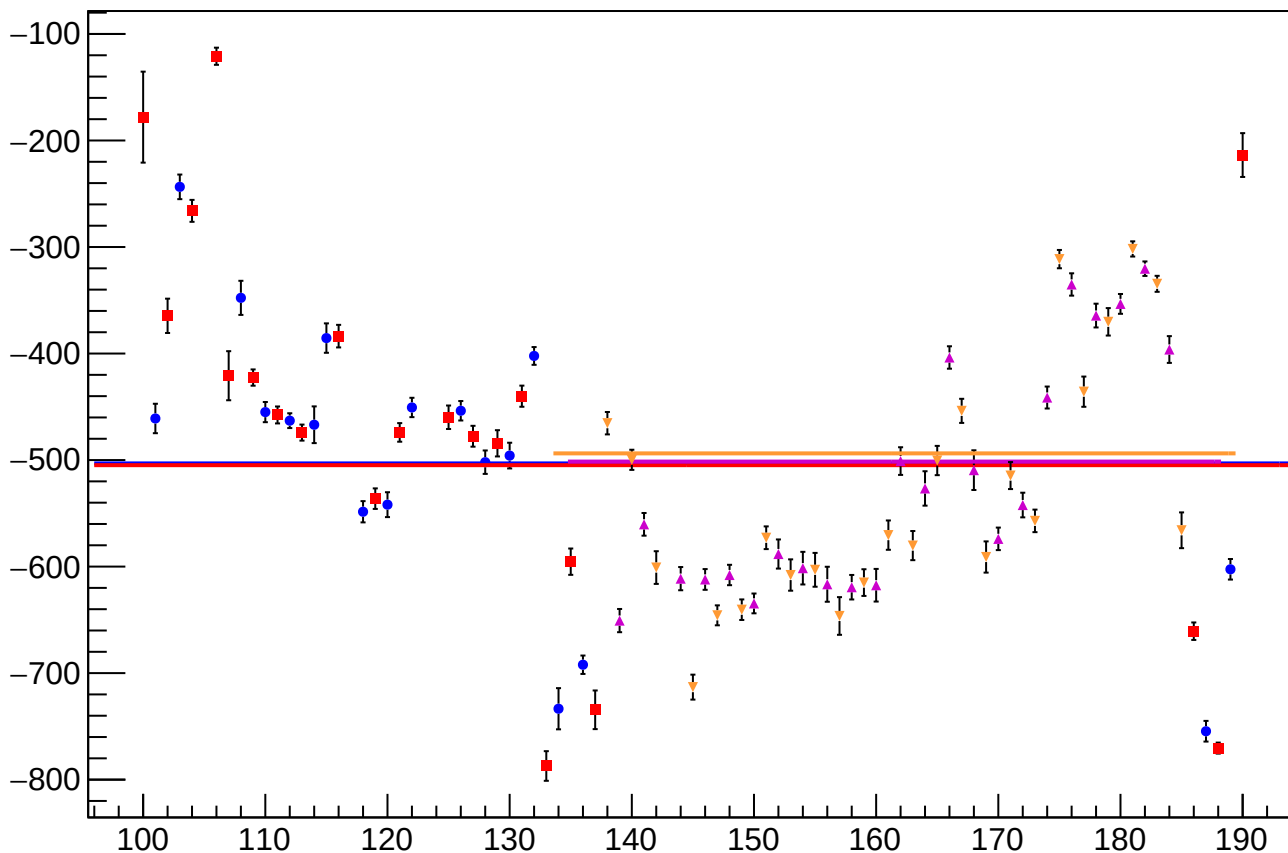
Left In: -20.396 ± 0.016 χ^2/NDF : 81154.4/22

+ sign -20.164 ± 0.015 χ^2/NDF : 347521.1/41

All: -20.067 ± 0.010 χ^2/NDF : 641696.1/85

- sign -19.971 ± 0.015 χ^2/NDF : 294087.6/43

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -503.148 ± 2.457 χ^2/NDF : 2384.2/17

Left Out: -493.722 ± 2.295 χ^2/NDF : 3150.0/23

Right Out: -504.792 ± 2.135 χ^2/NDF : 7184.3/20

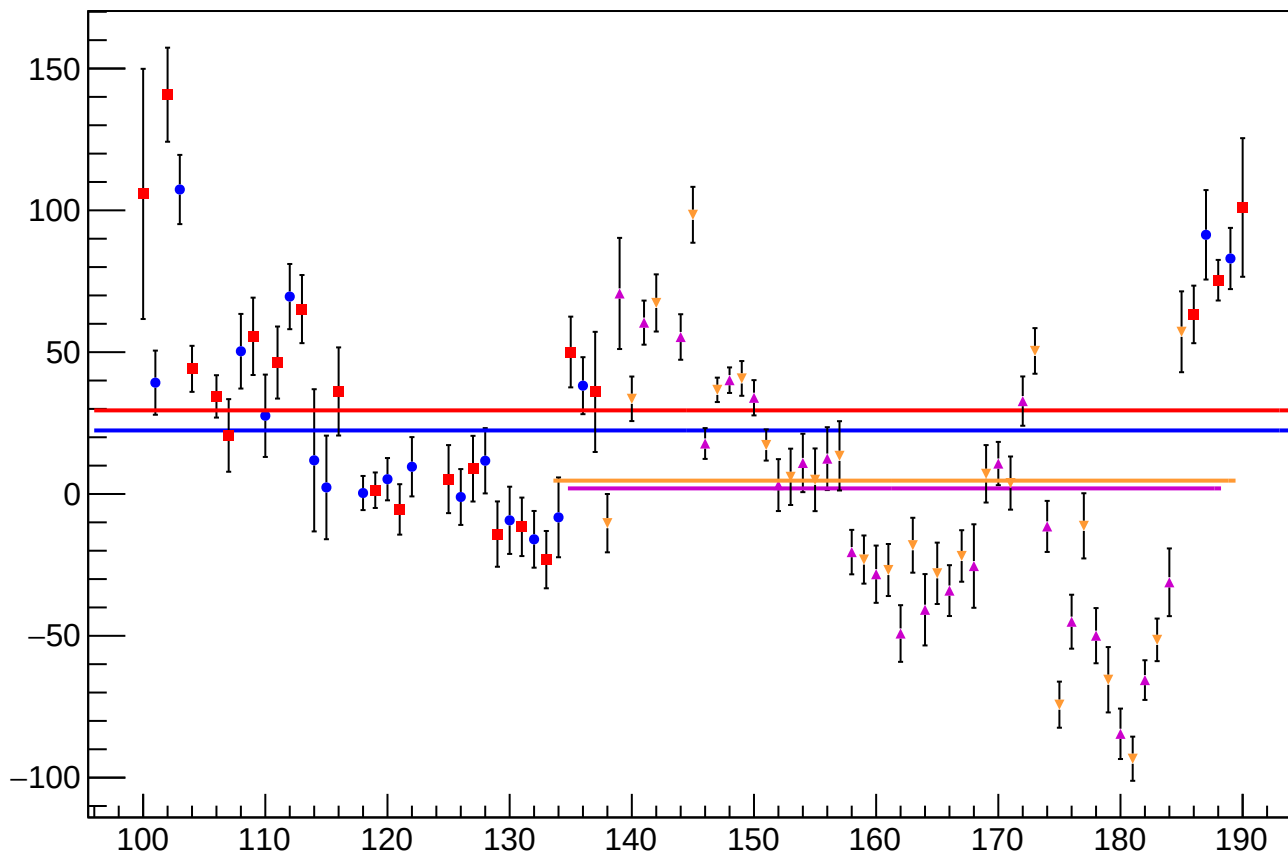
Left In: -501.425 ± 2.306 χ^2/NDF : 2689.3/22

+ sign -498.113 ± 1.677 χ^2/NDF : 5542.1/41

All: -500.851 ± 1.145 χ^2/NDF : 15421.8/85

- sign -503.239 ± 1.567 χ^2/NDF : 9874.8/43

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 22.401 ± 2.544 $\chi^2/\text{NDF}: 180.1/17$

Left Out: 4.709 ± 1.696 $\chi^2/\text{NDF}: 680.3/23$

Right Out: 29.477 ± 2.326 $\chi^2/\text{NDF}: 230.5/20$

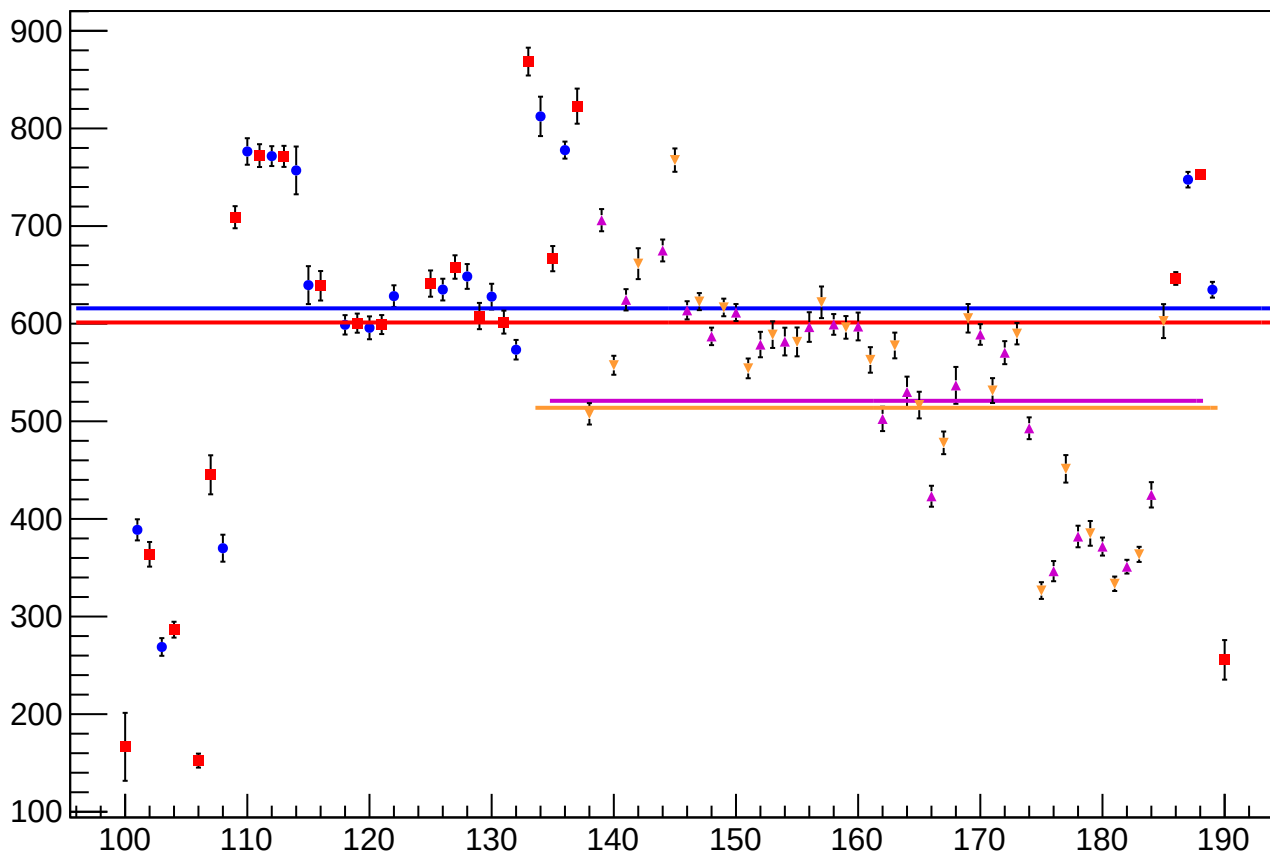
Left In: 1.970 ± 1.722 $\chi^2/\text{NDF}: 560.8/22$

+ sign 10.152 ± 1.411 $\chi^2/\text{NDF}: 893.9/41$

All: 10.946 ± 0.988 $\chi^2/\text{NDF}: 1776.2/85$

- sign 11.710 ± 1.384 $\chi^2/\text{NDF}: 881.6/43$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 615.707 ± 2.603 $\chi^2/\text{NDF}: 3386.5/17$

Left Out: 513.833 ± 2.277 $\chi^2/\text{NDF}: 2735.5/23$

Right Out: 601.227 ± 2.149 $\chi^2/\text{NDF}: 8786.1/20$

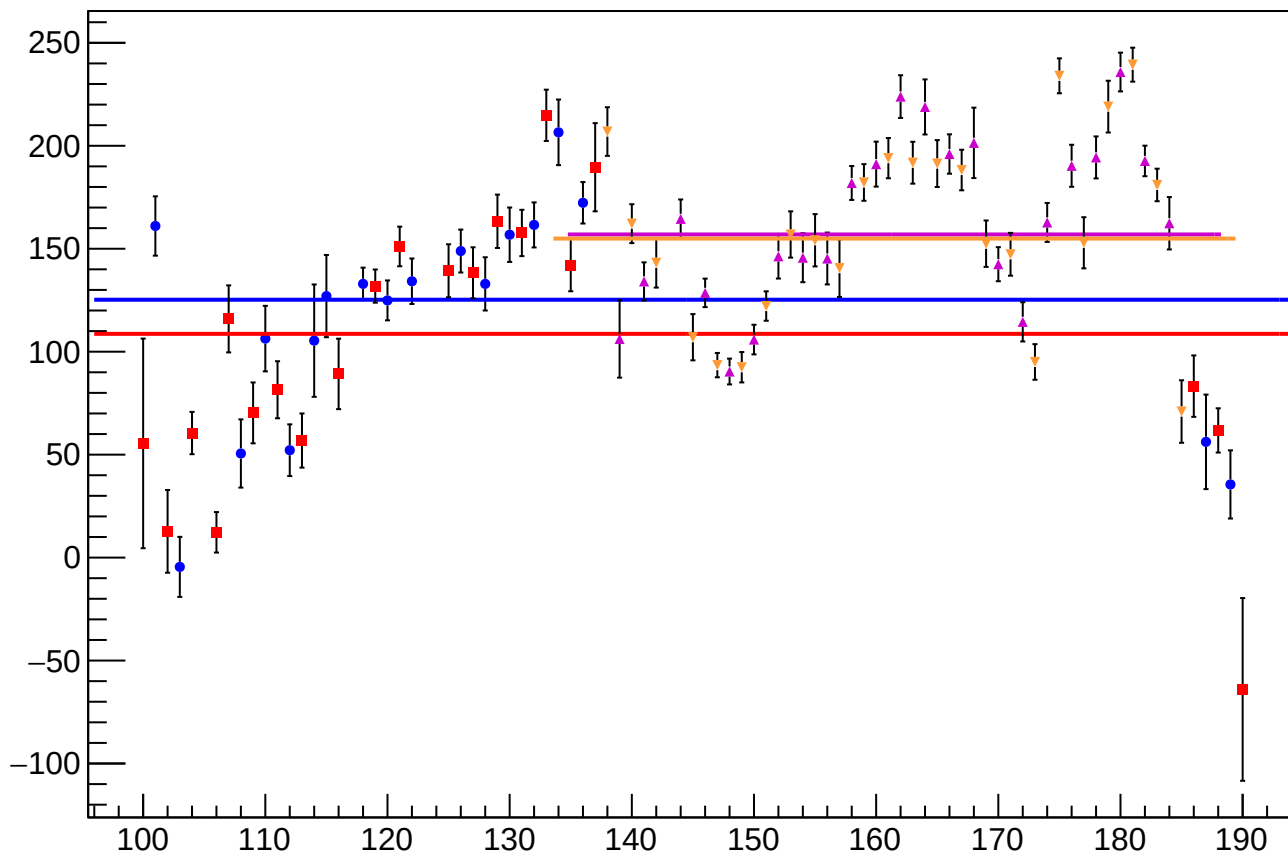
Left In: 520.990 ± 2.283 $\chi^2/\text{NDF}: 2442.8/22$

+ sign 557.994 ± 1.714 $\chi^2/\text{NDF}: 6989.8/41$

All: 561.017 ± 1.156 $\chi^2/\text{NDF}: 18879.2/85$

- sign 563.539 ± 1.565 $\chi^2/\text{NDF}: 11883.7/43$

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 125.237 $\pm$ 3.003 χ^2 /NDF: 251.6/17

Left Out: 154.944 $\pm$ 1.953 χ^2 /NDF:609.0/23

Right Out: 108.664 $\pm$ 2.811 χ^2 /NDF: 376.3/20

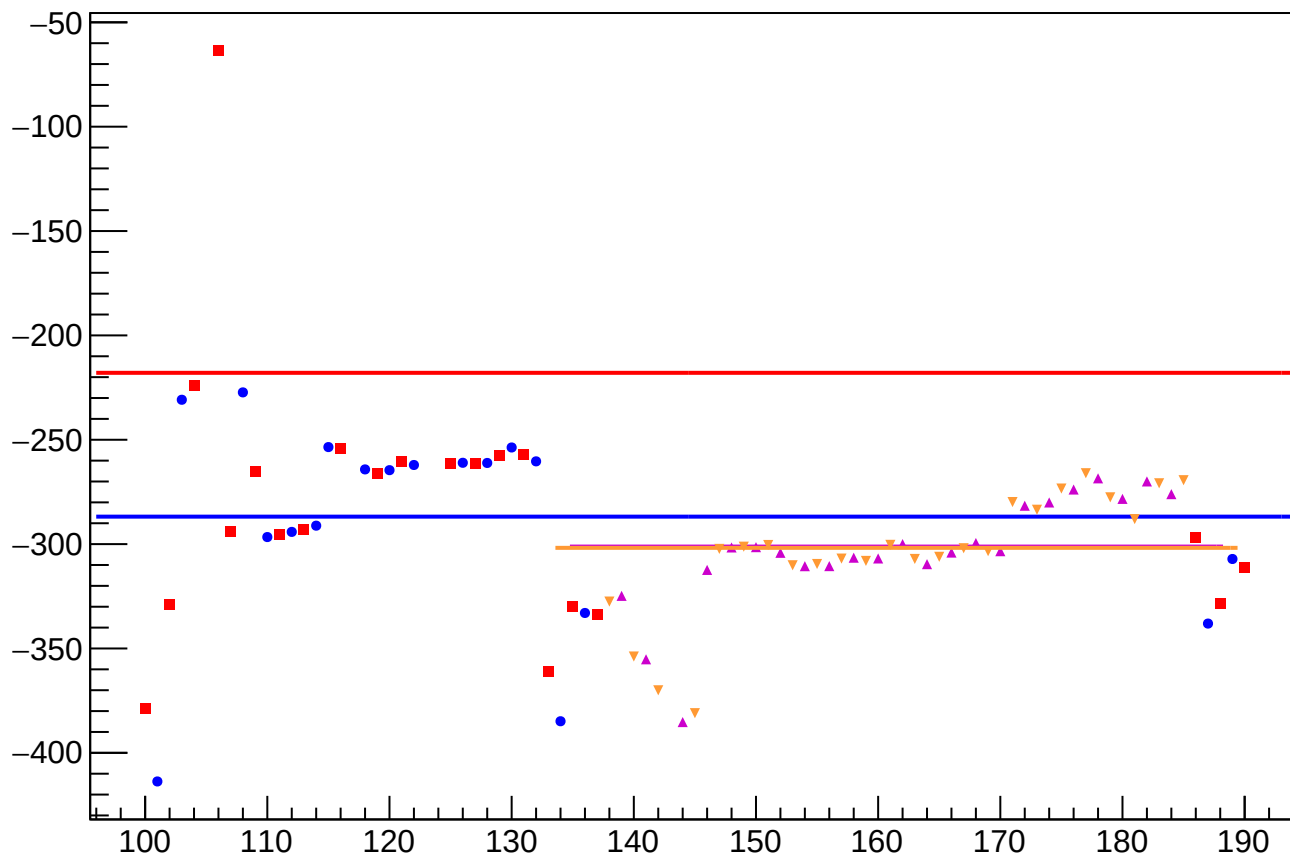
Left In: 156.934 $\pm$ 1.971 χ^2 /NDF:443.2/22

+ sign 146.112 $\pm$ 1.637 χ^2 /NDF: 929.4/41

All: 143.531 $\pm$ 1.149 χ^2 /NDF: 1951.5/85

- sign 141.022 $\pm$ 1.614 χ^2 /NDF: 1017.2/43

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -286.834 ± 0.171 $\chi^2/\text{NDF}: 106806.1/17$

Left Out: -301.785 ± 0.091 $\chi^2/\text{NDF}: 86719.4/23$

Right Out: -217.930 ± 0.142 $\chi^2/\text{NDF}: 588420.5/20$

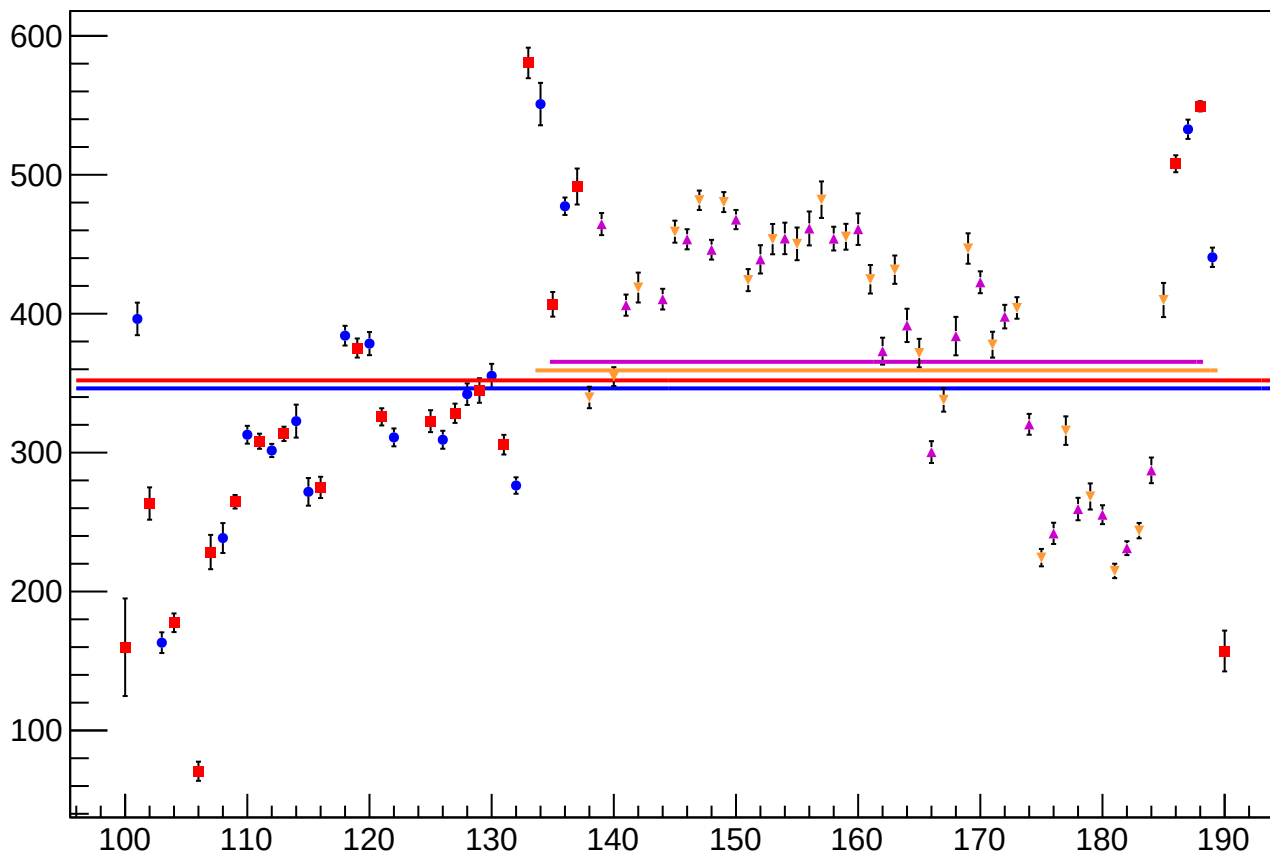
Left In: -301.176 ± 0.090 $\chi^2/\text{NDF}: 75325.3/22$

+ sign -298.511 ± 0.080 $\chi^2/\text{NDF}: 199465.3/41$

All: -287.345 ± 0.055 $\chi^2/\text{NDF}: 1145058.4/85$

- sign -277.317 ± 0.076 $\chi^2/\text{NDF}: 908833.3/43$

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 346.236 $\pm$ 1.737 χ^2/NDF : 2667.7/17

Left Out: 359.188 $\pm$ 1.681 χ^2/NDF : 3187.9/23

Right Out: 351.993 $\pm$ 1.509 χ^2/NDF : 7513.8/20

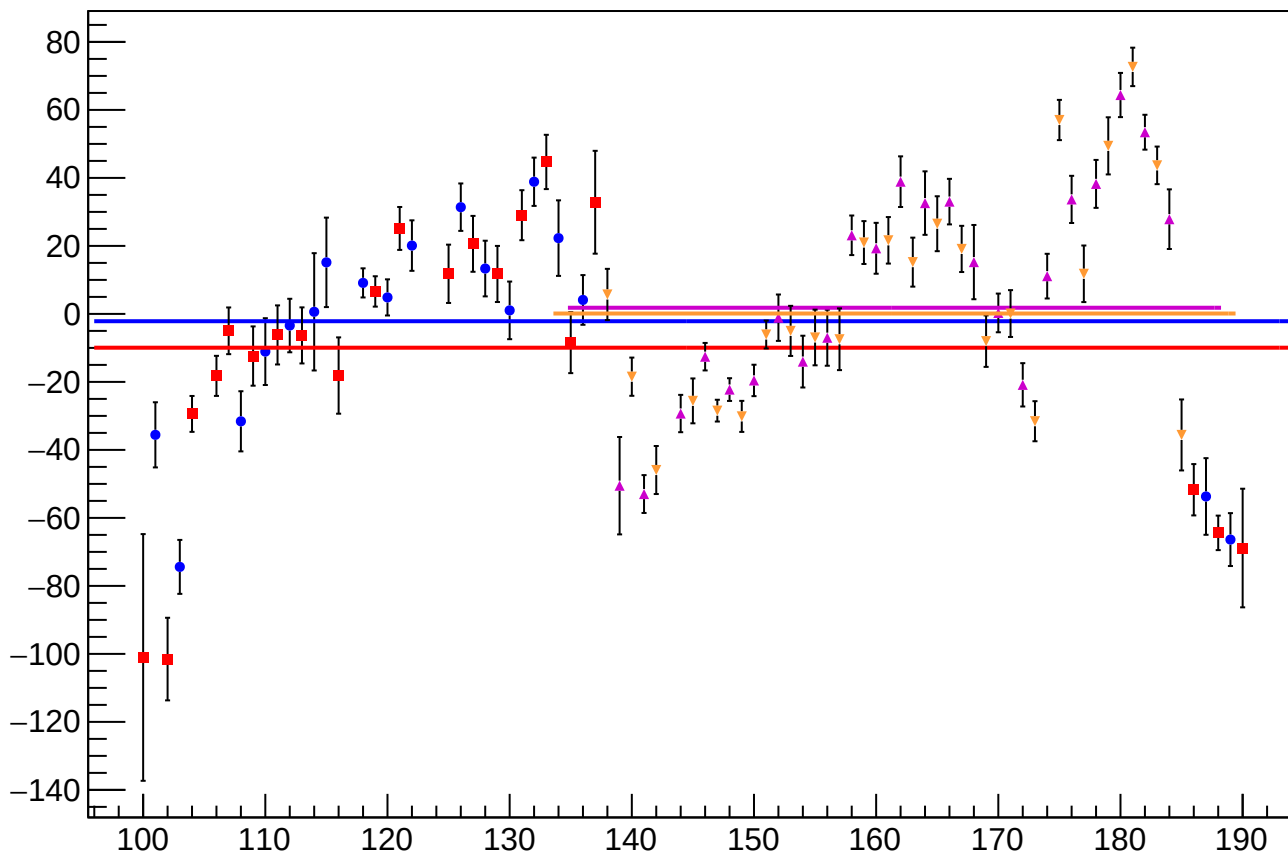
Left In: 365.362 $\pm$ 1.692 χ^2/NDF : 2739.5/22

+ sign 352.922 $\pm$ 1.208 χ^2/NDF : 5884.3/41

All: 355.593 $\pm$ 0.824 χ^2/NDF : 16181.5/85

- sign 357.916 $\pm$ 1.126 χ^2/NDF : 10288.0/43

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -2.151 $\pm$ 1.815 χ^2/NDF : 281.3/17

Left Out: 0.114 $\pm$ 1.247 χ^2/NDF : 637.9/23

Right Out: -9.941 $\pm$ 1.641 χ^2/NDF : 392.2/20

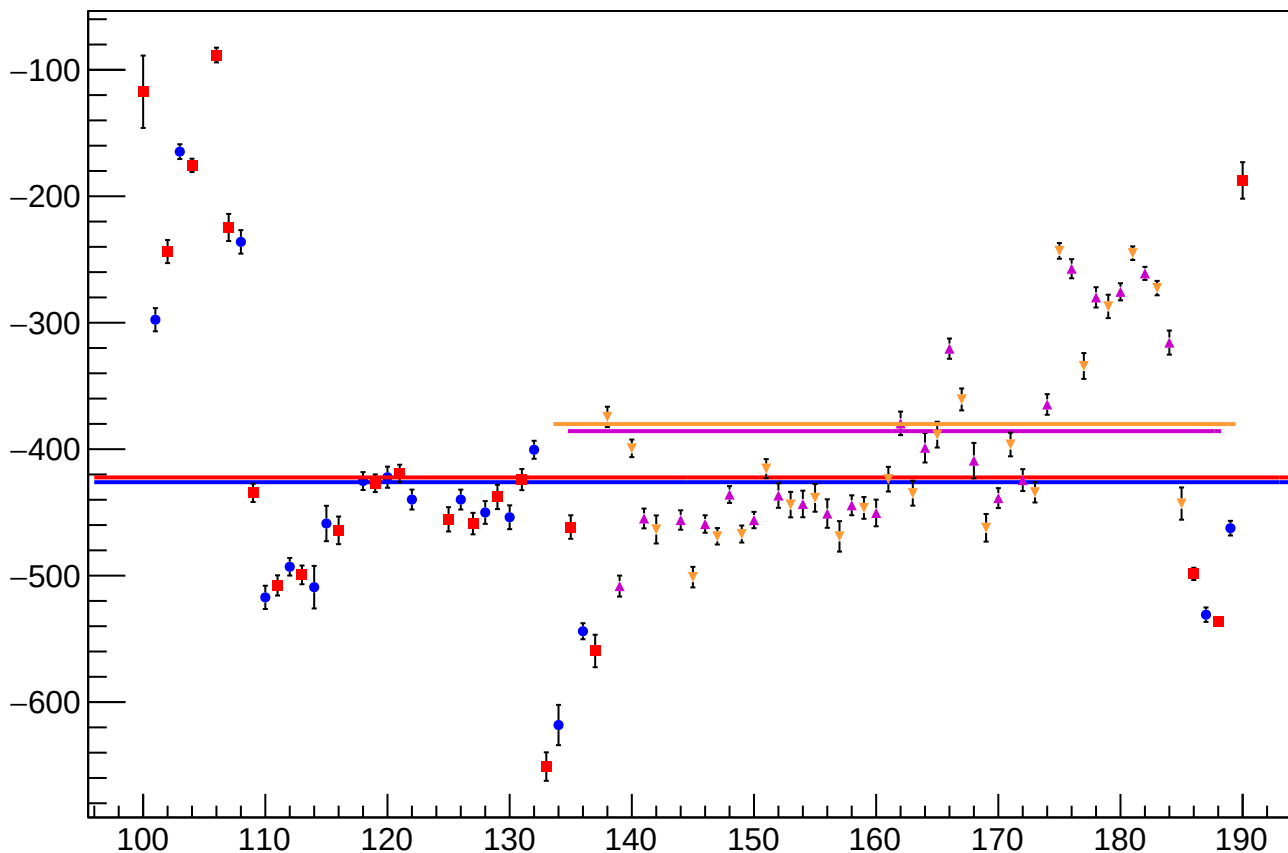
Left In: 1.812 $\pm$ 1.267 χ^2/NDF : 577.0/22

+ sign -0.612 $\pm$ 1.028 χ^2/NDF : 920.3/41

All: -1.619 $\pm$ 0.718 χ^2/NDF : 1923.5/85

- sign -2.577 $\pm$ 1.003 χ^2/NDF : 1001.3/43

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -426.105 $\pm$ 1.847 χ^2/NDF : 3737.9/17

Left Out: -380.144 $\pm$ 1.670 χ^2/NDF : 2618.6/23

Right Out: -422.340 $\pm$ 1.528 χ^2/NDF : 9138.7/20

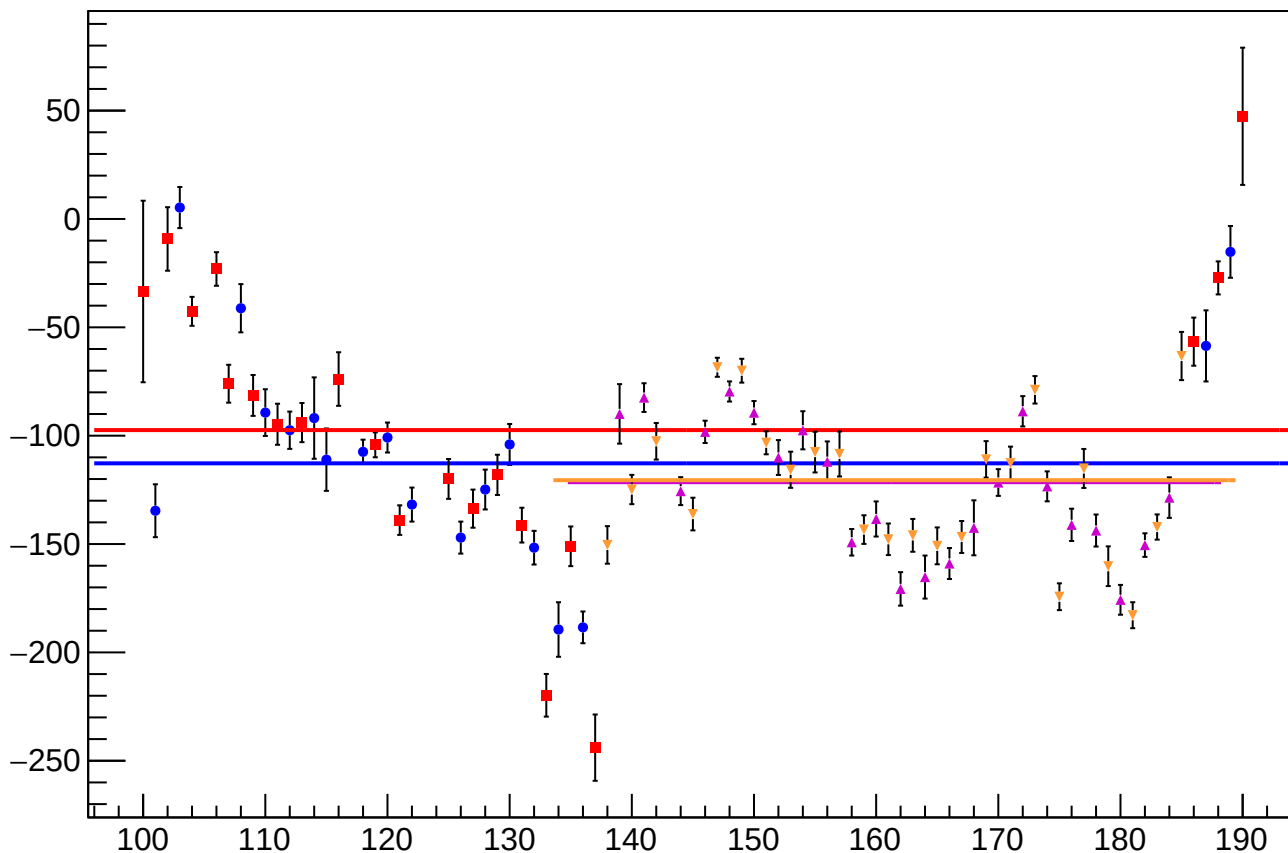
Left In: -385.725 $\pm$ 1.677 χ^2/NDF : 2361.2/22

+ sign -400.811 $\pm$ 1.239 χ^2/NDF : 6697.2/41

All: -403.499 $\pm$ 0.835 χ^2/NDF : 18466.3/85

- sign -405.733 $\pm$ 1.129 χ^2/NDF : 11760.4/43

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -112.758 ± 2.140 $\chi^2/\text{NDF}: 489.2/17$

Left Out: -120.541 ± 1.435 $\chi^2/\text{NDF}: 611.5/23$

Right Out: -97.420 ± 1.980 $\chi^2/\text{NDF}: 706.7/20$

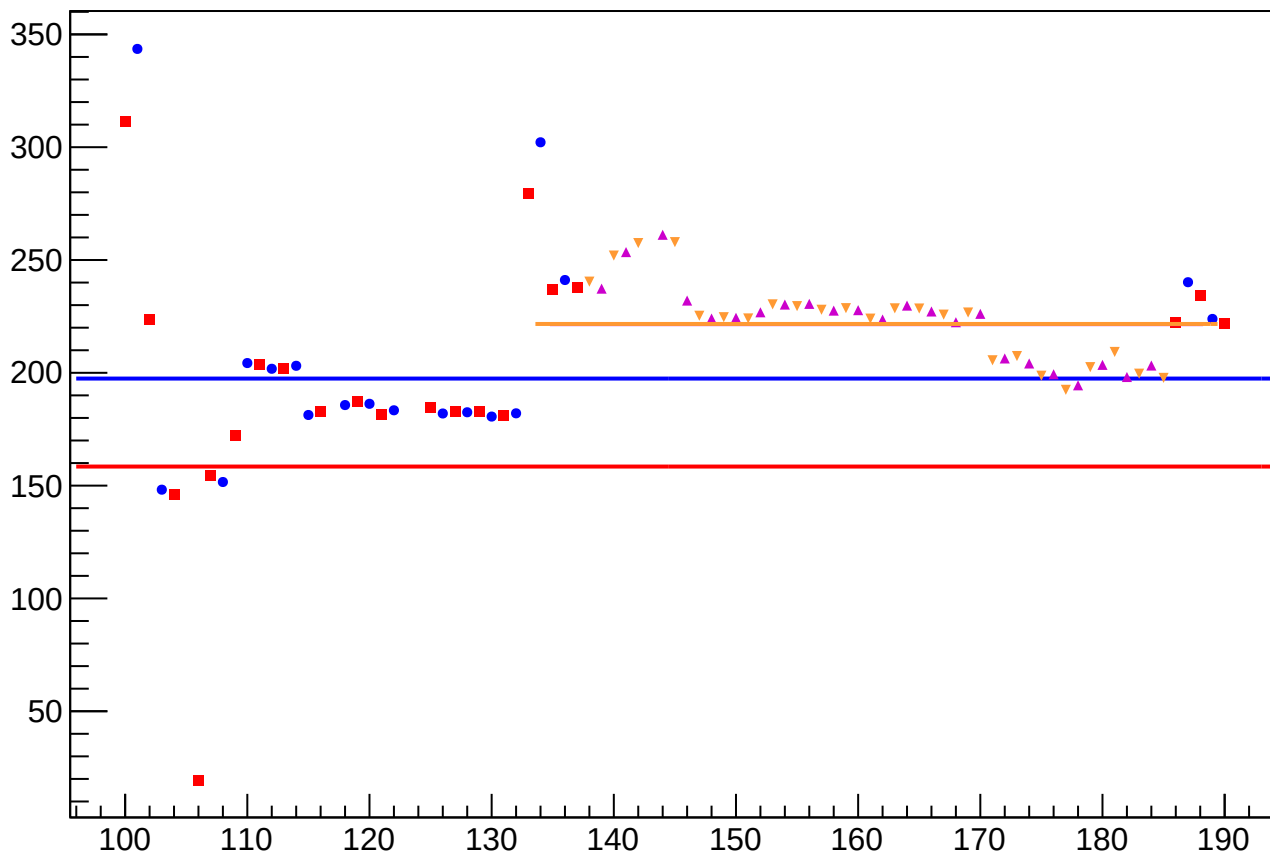
Left In: -121.453 ± 1.450 $\chi^2/\text{NDF}: 432.6/22$

+ sign -118.126 ± 1.192 $\chi^2/\text{NDF}: 1109.9/41$

All: -115.548 ± 0.835 $\chi^2/\text{NDF}: 2354.3/85$

- sign -113.066 ± 1.170 $\chi^2/\text{NDF}: 1235.3/43$

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 197.451 $\pm$ 0.121 χ^2 /NDF: 181665.0/17

Left Out: 221.652 $\pm$ 0.067 χ^2 /NDF: 67213.0/23

Right Out: 158.453 $\pm$ 0.105 χ^2 /NDF: 548995.2/20

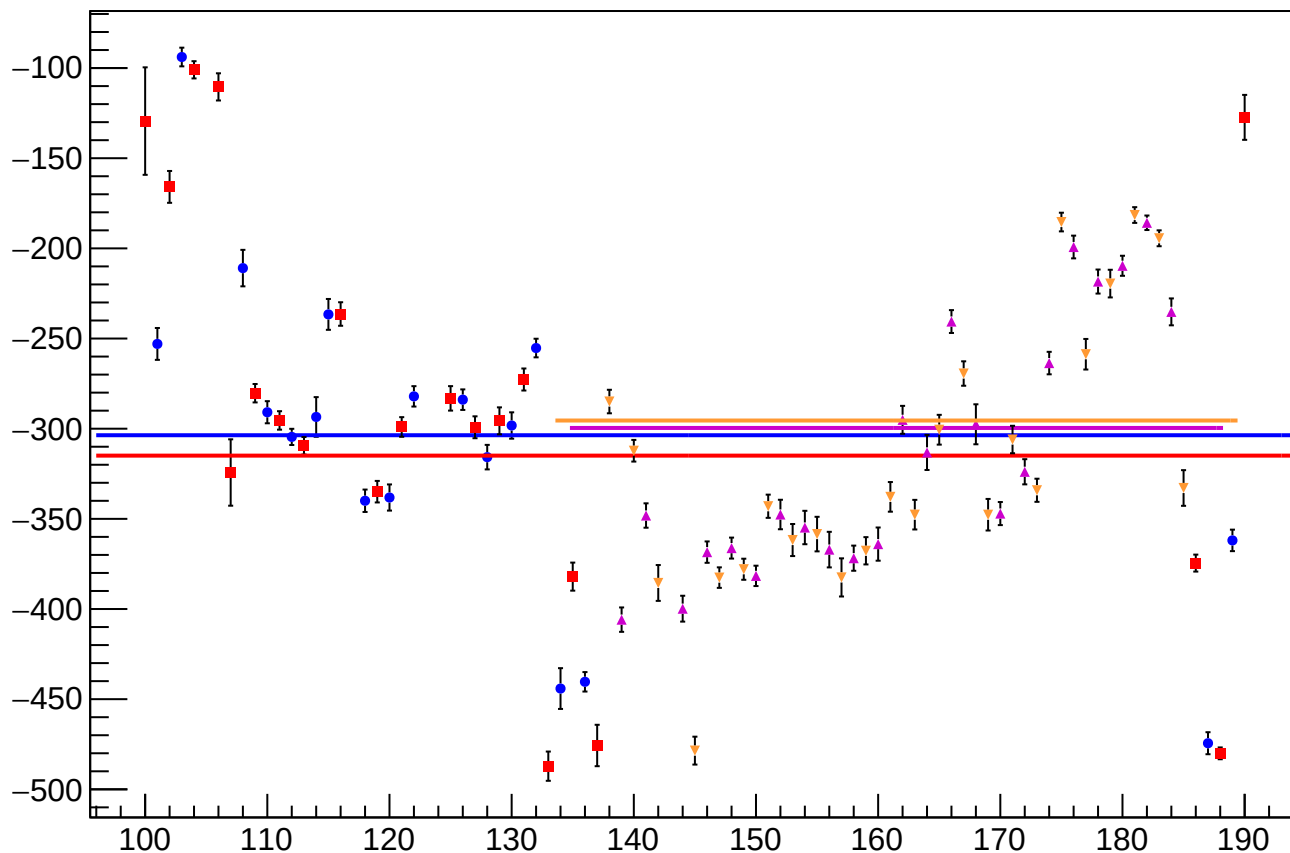
Left In: 221.574 $\pm$ 0.066 χ^2 /NDF: 62122.0/22

+ sign 215.986 $\pm$ 0.058 χ^2 /NDF: 279719.9/41

All: 209.526 $\pm$ 0.040 χ^2 /NDF: 1173451.0/85

- sign 203.580 $\pm$ 0.056 χ^2 /NDF: 870194.3/43

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -303.625 ± 1.507 χ^2/NDF : 3675.0/17

Left Out: -295.464 ± 1.393 χ^2/NDF : 3346.3/23

Right Out: -314.934 ± 1.336 χ^2/NDF : 7016.9/20

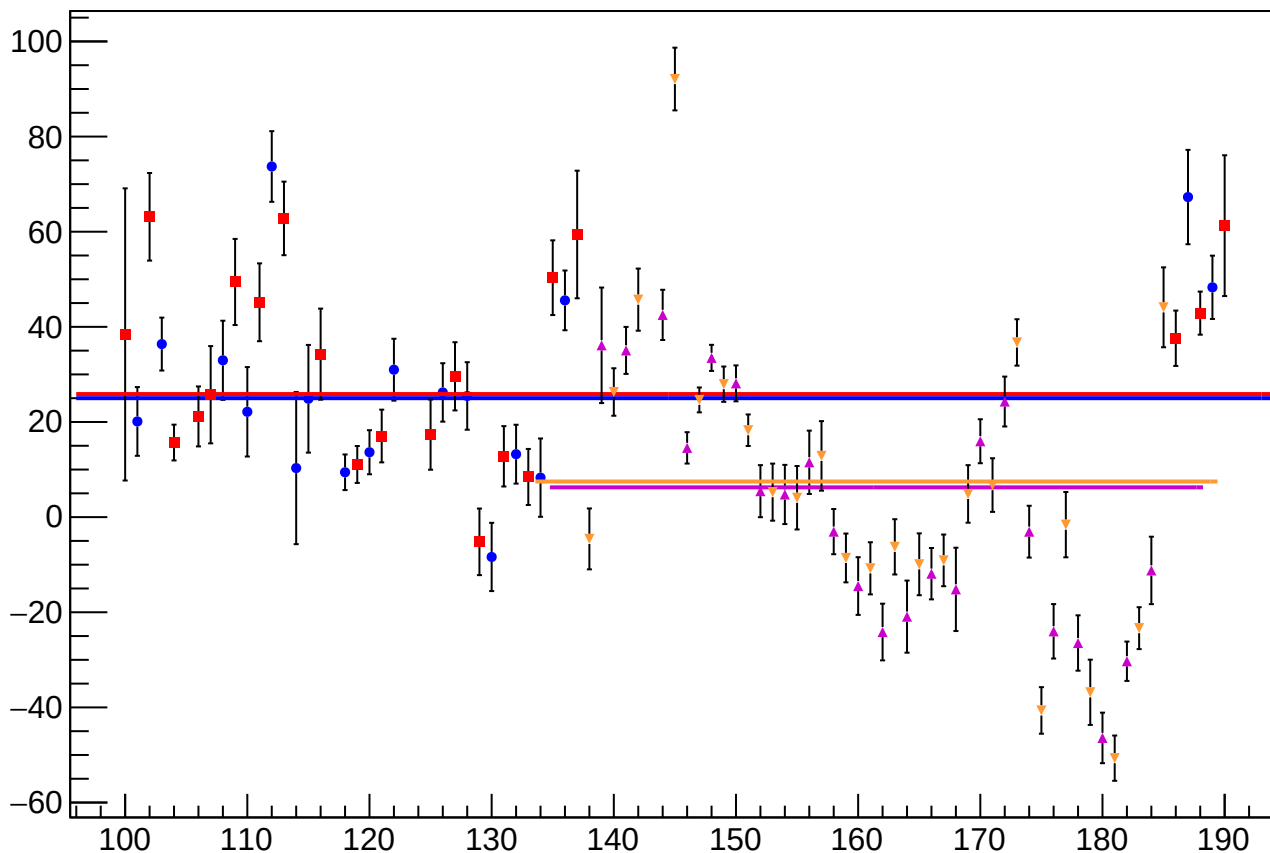
Left In: -299.588 ± 1.397 χ^2/NDF : 2971.7/22

+ sign -299.222 ± 1.023 χ^2/NDF : 7037.1/41

All: -303.653 ± 0.702 χ^2/NDF : 17124.2/85

- sign -307.601 ± 0.966 χ^2/NDF : 10051.7/43

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 25.004 $\pm$ 1.555 χ^2 /NDF: 144.3/17

Left Out: 7.486 $\pm$ 1.030 χ^2 /NDF: 738.5/23

Right Out: 25.873 $\pm$ 1.431 χ^2 /NDF: 151.6/20

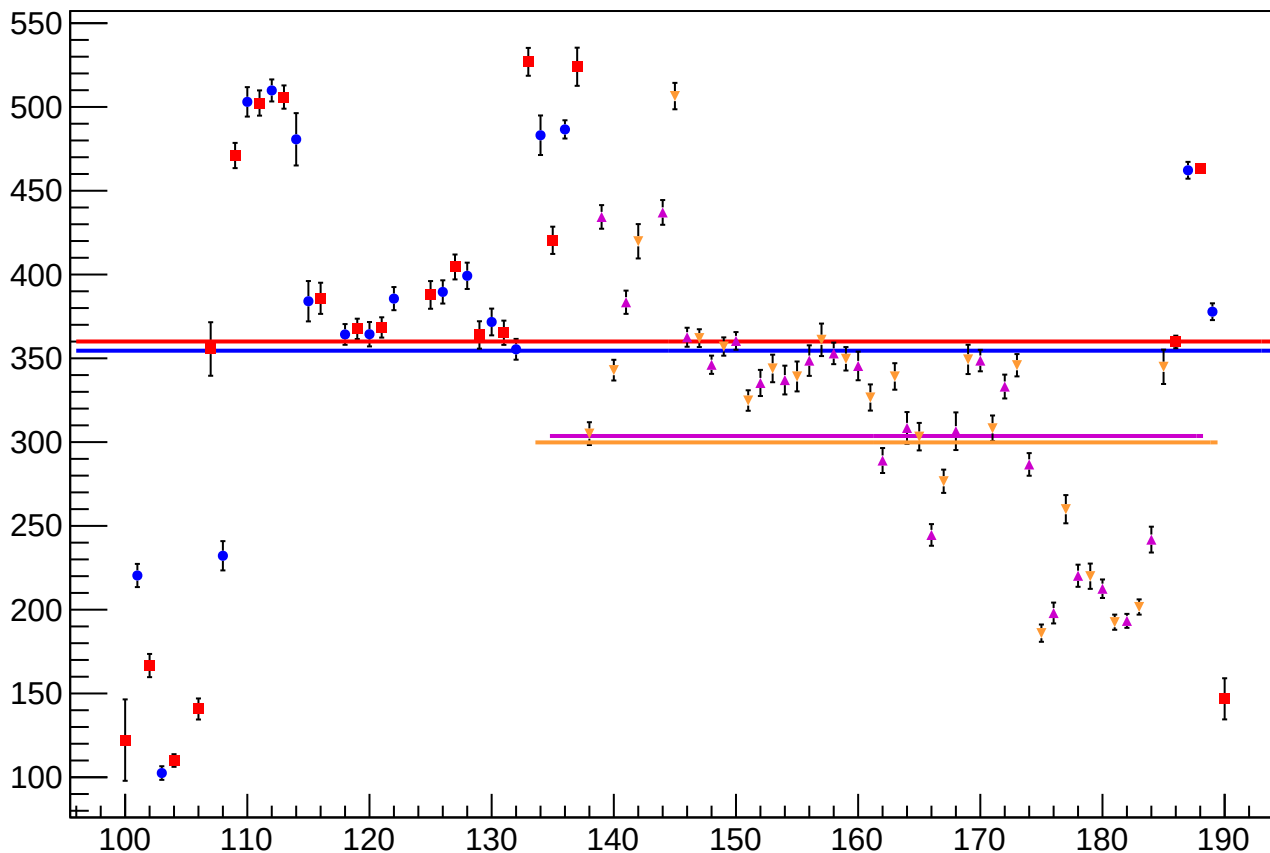
Left In: 6.259 $\pm$ 1.045 χ^2 /NDF: 559.4/22

+ sign 12.823 $\pm$ 0.858 χ^2 /NDF: 970.9/41

All: 12.955 $\pm$ 0.602 χ^2 /NDF: 1804.6/85

- sign 13.083 $\pm$ 0.844 χ^2 /NDF: 833.6/43

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 354.548 ± 1.568 $\chi^2/\text{NDF}: 6607.8/17$

Left Out: 299.825 ± 1.381 $\chi^2/\text{NDF}: 3076.1/23$

Right Out: 360.047 ± 1.325 $\chi^2/\text{NDF}: 10075.7/20$

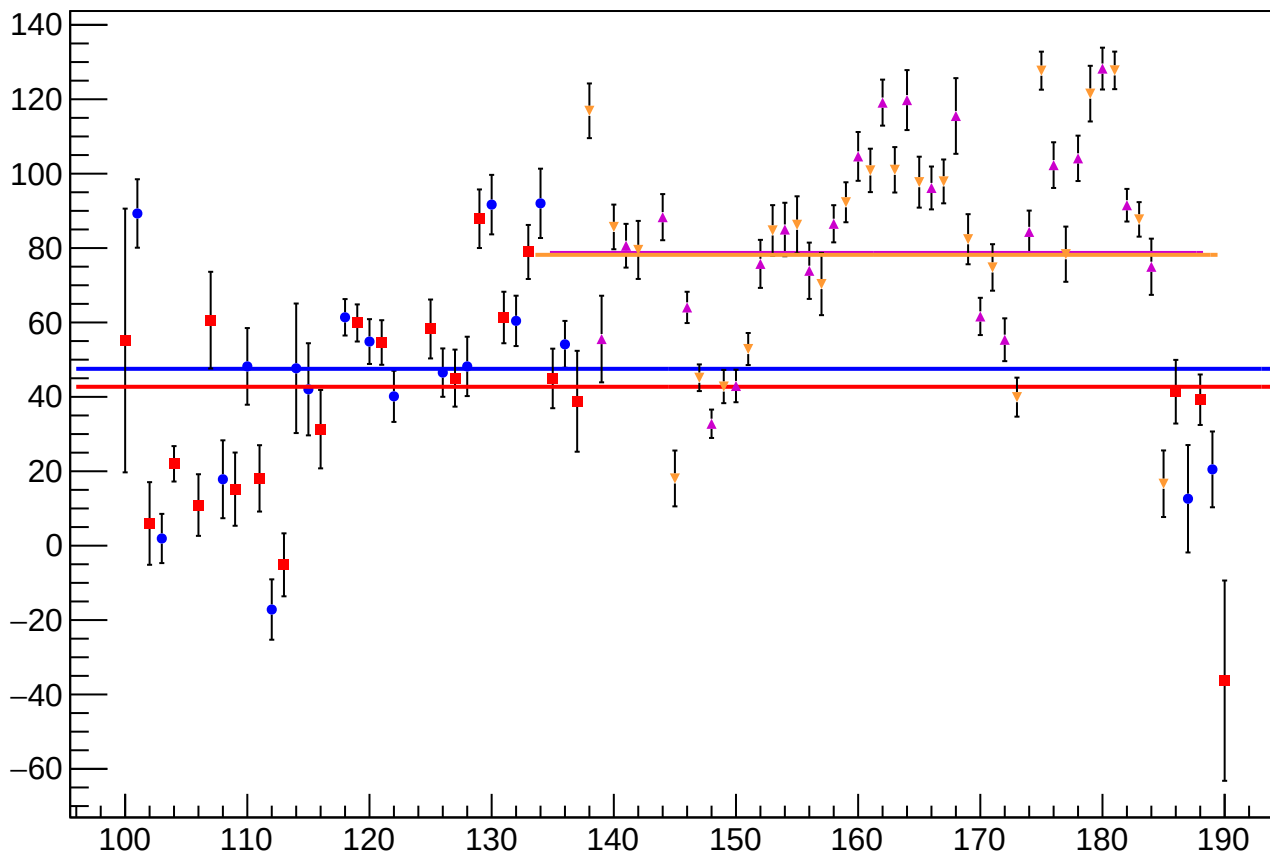
Left In: 303.652 ± 1.383 $\chi^2/\text{NDF}: 2872.6/22$

+ sign 323.733 ± 1.036 $\chi^2/\text{NDF}: 10369.8/41$

All: 328.769 ± 0.703 $\chi^2/\text{NDF}: 24229.4/85$

- sign 333.059 ± 0.956 $\chi^2/\text{NDF}: 13815.9/43$

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 47.537 $\pm$ 1.836 χ^2 /NDF: 221.5/17

Left Out: 78.181 $\pm$ 1.185 χ^2 /NDF: 663.3/23

Right Out: 42.710 $\pm$ 1.730 χ^2 /NDF: 189.0/20

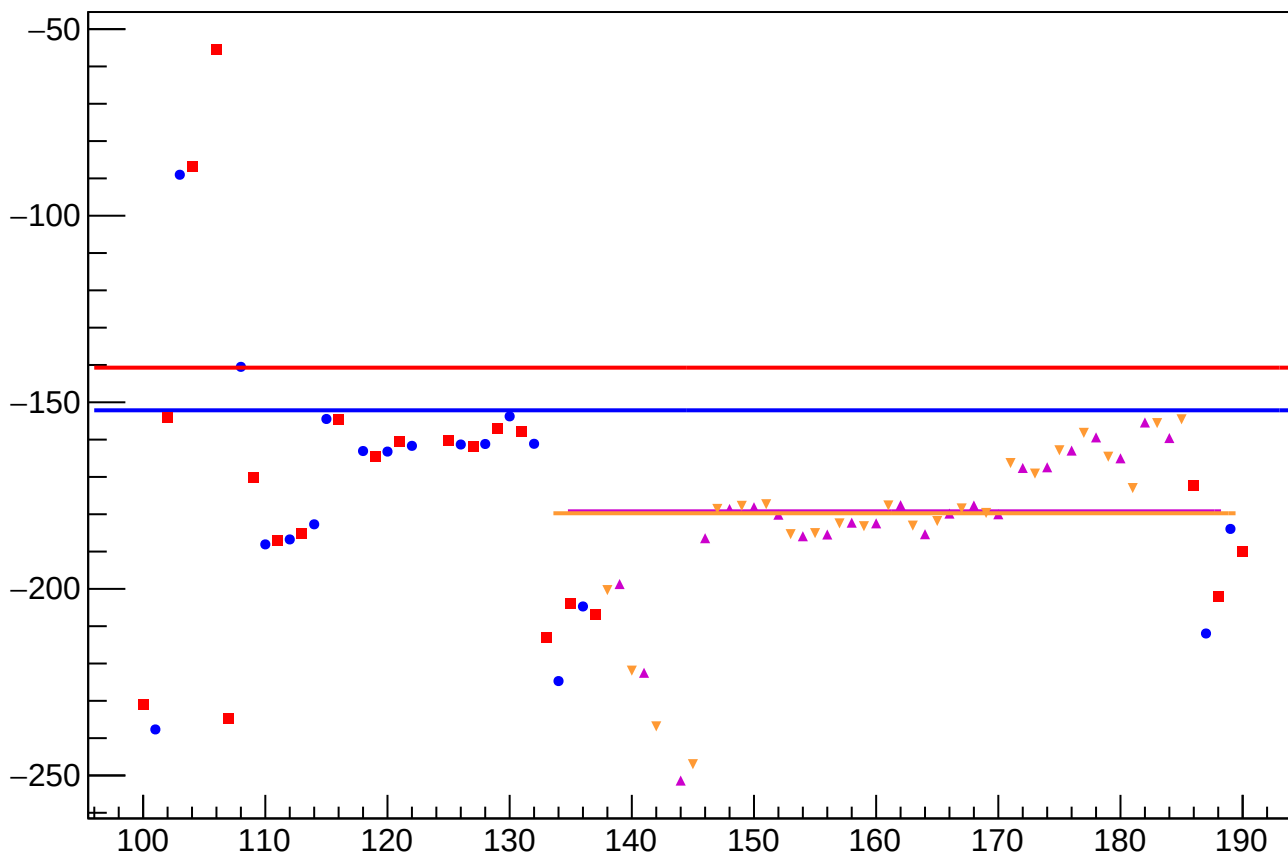
Left In: 78.689 $\pm$ 1.195 χ^2 /NDF: 488.6/22

+ sign 69.175 $\pm$ 0.995 χ^2 /NDF: 1081.5/41

All: 68.109 $\pm$ 0.699 χ^2 /NDF: 2054.2/85

- sign 67.069 $\pm$ 0.983 χ^2 /NDF: 970.4/43

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -152.146+/-0.098 χ^2/NDF : 267304.5/17

Left Out: -179.738+/-0.055 χ^2/NDF : 132199.5/23

Right Out: -140.717+/-0.092 χ^2/NDF : 352391.6/20

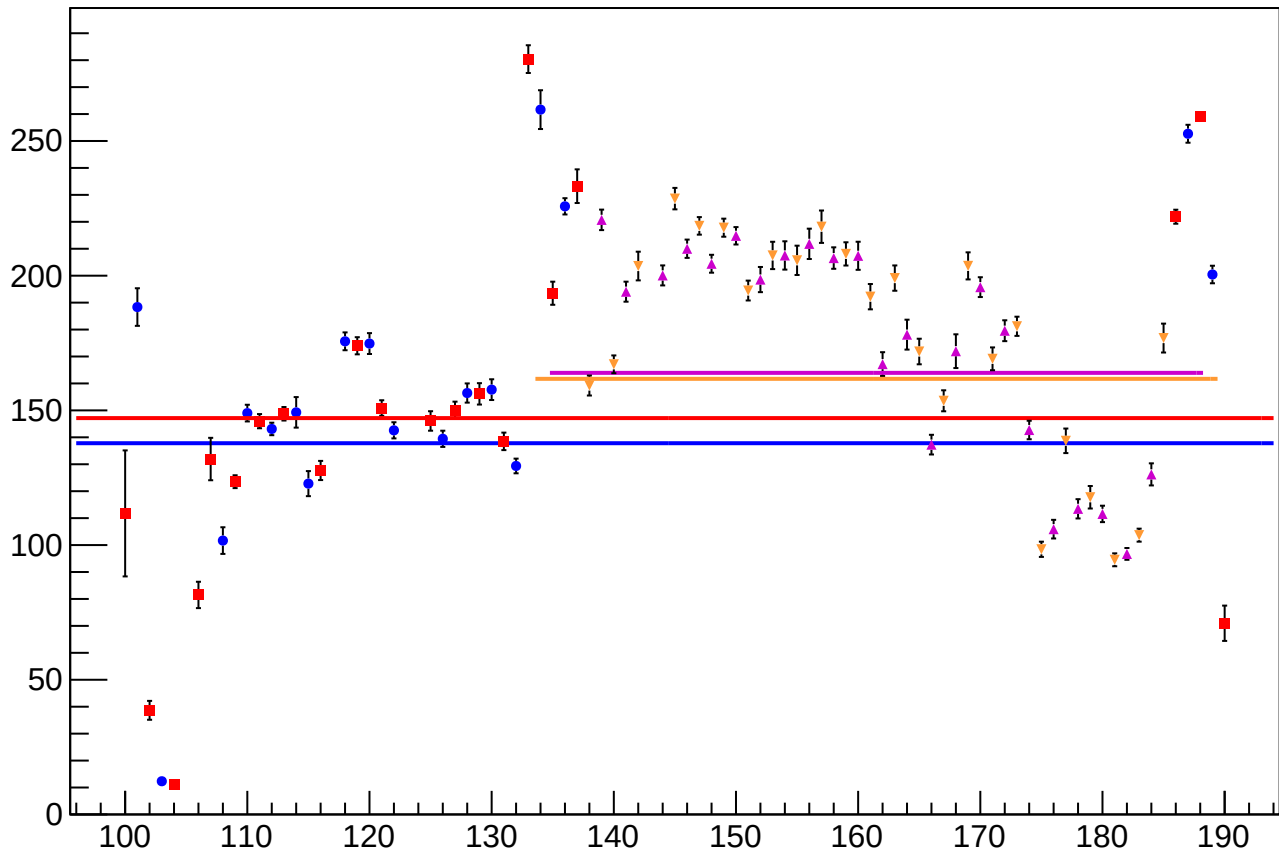
Left In: -179.219+/-0.055 χ^2/NDF : 113522.5/22

+ sign -173.107+/-0.048 χ^2/NDF : 459995.4/41

All: -171.115+/-0.034 χ^2/NDF : 1058972.9/85

- sign -169.209+/-0.047 χ^2/NDF : 595599.9/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 137.813 ± 0.766 χ^2/NDF : 7901.2/17

Left Out: 161.708 ± 0.776 χ^2/NDF : 3587.3/23

Right Out: 147.134 ± 0.680 χ^2/NDF : 12905.1/20

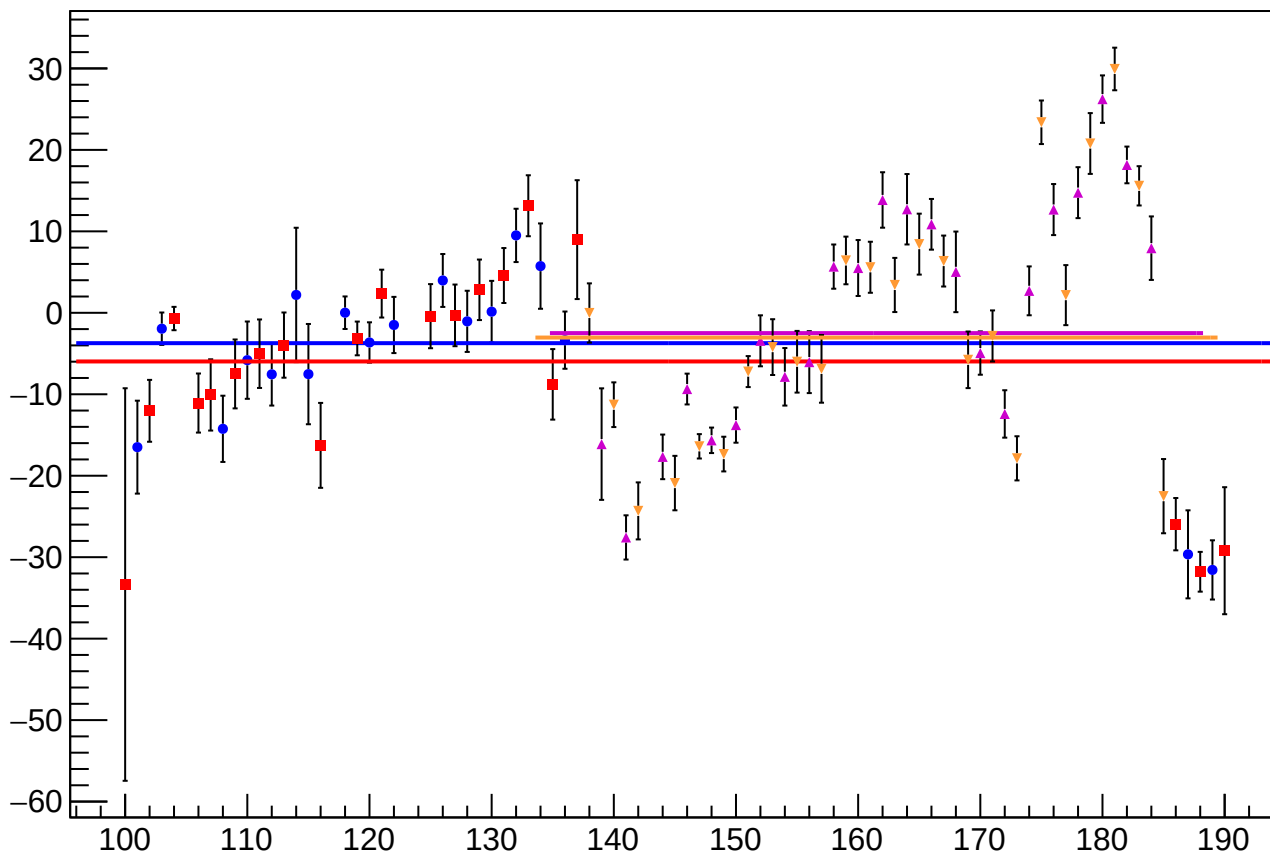
Left In: 163.927 ± 0.779 χ^2/NDF : 3335.5/22

+ sign 149.597 ± 0.545 χ^2/NDF : 11968.9/41

All: 152.144 ± 0.373 χ^2/NDF : 28514.3/85

- sign 154.394 ± 0.512 χ^2/NDF : 16504.2/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -3.727 ± 0.803 $\chi^2/\text{NDF}: 126.9/17$

Left Out: -3.038 ± 0.578 $\chi^2/\text{NDF}: 654.5/23$

Right Out: -5.972 ± 0.713 $\chi^2/\text{NDF}: 244.2/20$

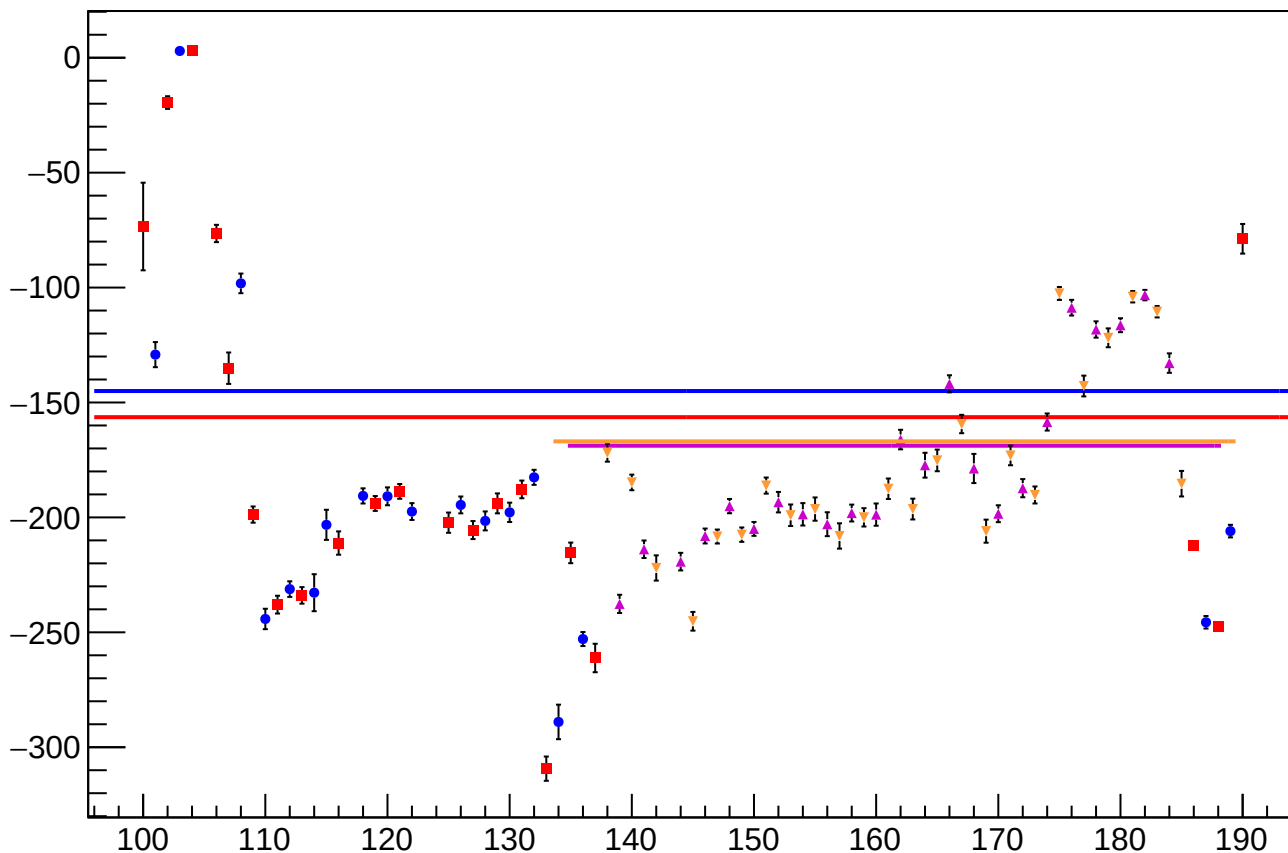
Left In: -2.492 ± 0.587 $\chi^2/\text{NDF}: 562.9/22$

+ sign -3.273 ± 0.469 $\chi^2/\text{NDF}: 781.9/41$

All: -3.596 ± 0.326 $\chi^2/\text{NDF}: 1604.1/85$

- sign -3.897 ± 0.453 $\chi^2/\text{NDF}: 821.3/43$

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -145.014 ± 0.775 $\chi^2/\text{NDF}: 16879.2/17$

Left Out: -166.912 ± 0.771 $\chi^2/\text{NDF}: 3096.2/23$

Right Out: -156.388 ± 0.664 $\chi^2/\text{NDF}: 23295.4/20$

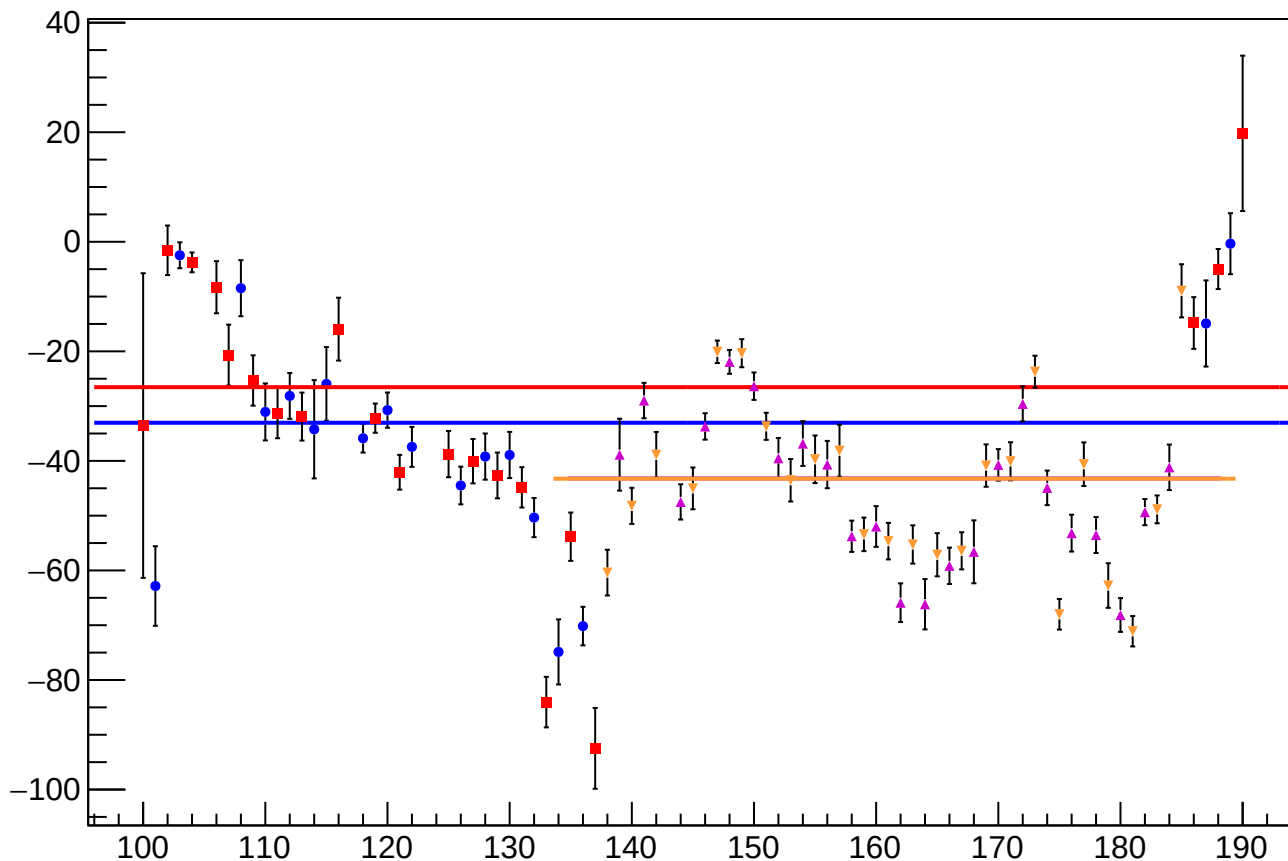
Left In: -168.810 ± 0.772 $\chi^2/\text{NDF}: 3059.5/22$

+ sign -156.025 ± 0.547 $\chi^2/\text{NDF}: 20376.6/41$

All: -159.076 ± 0.370 $\chi^2/\text{NDF}: 46937.9/85$

- sign -161.664 ± 0.503 $\chi^2/\text{NDF}: 26503.7/43$

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -33.038 ± 0.947 χ^2/NDF : 452.8/17

Left Out: -43.251 ± 0.664 χ^2/NDF : 610.2/23

Right Out: -26.541 ± 0.864 χ^2/NDF : 624.2/20

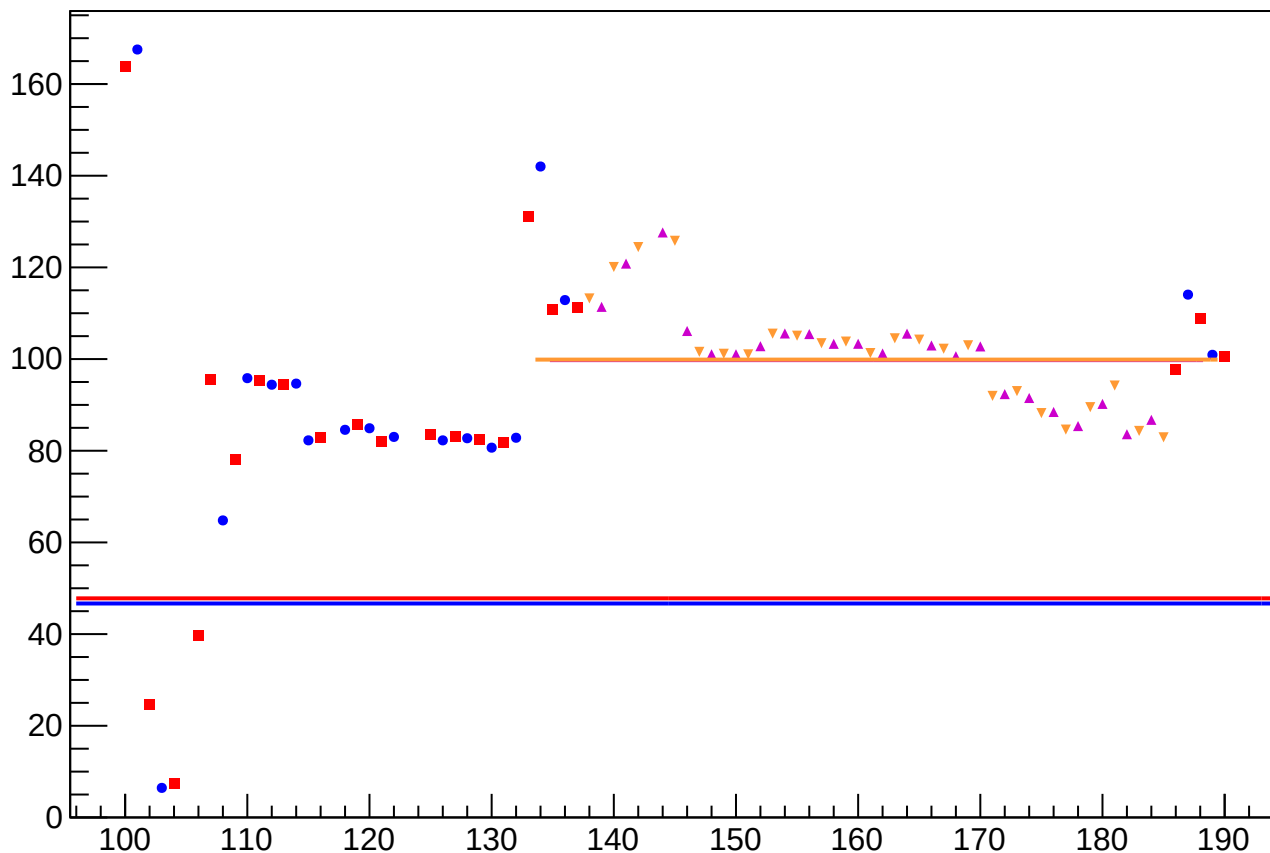
Left In: -43.207 ± 0.670 χ^2/NDF : 405.8/22

+ sign -39.882 ± 0.544 χ^2/NDF : 1141.0/41

All: -38.375 ± 0.379 χ^2/NDF : 2418.4/85

- sign -36.946 ± 0.529 χ^2/NDF : 1262.5/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 46.678+/-0.044 χ^2/NDF : 1157128.4/17

Left Out: 99.881+/-0.031 χ^2/NDF :123588.1/23

Right Out: 47.799+/-0.043 χ^2/NDF : 952820.6/20

Left In: 99.769+/-0.031 χ^2/NDF :113501.0/22

+ sign 82.426+/-0.025 χ^2/NDF : 2261715.0/41

All: 82.457+/-0.018 χ^2/NDF : 4290236.7/85

- sign 82.487+/-0.025 χ^2/NDF : 2028518.7/43

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 34.716 ± 0.621 χ^2/NDF : 3643.4/17

Left Out: 9.228 ± 0.456 χ^2/NDF : 327.5/23

Right Out: 46.199 ± 0.533 χ^2/NDF : 7727.3/20

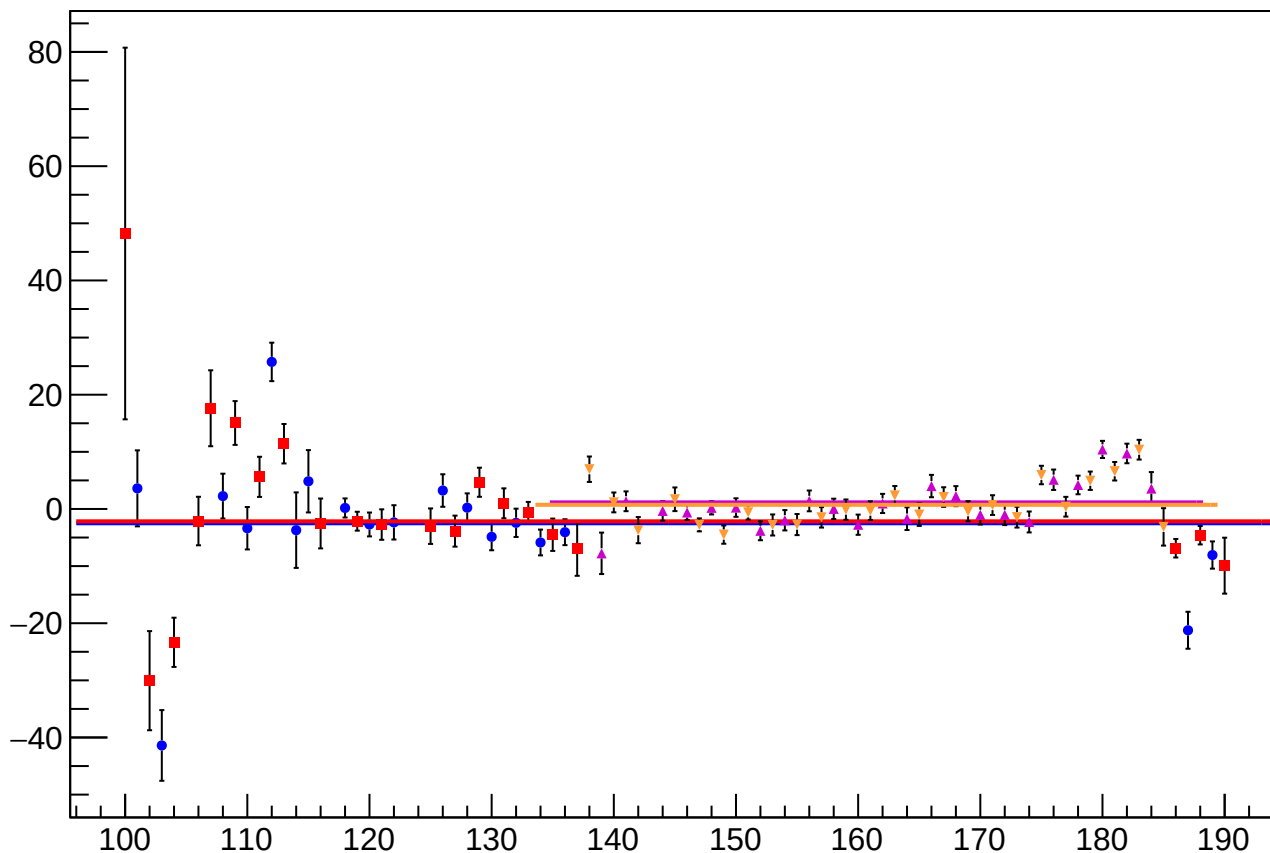
Left In: 9.676 ± 0.462 χ^2/NDF : 246.7/22

+ sign 18.164 ± 0.368 χ^2/NDF : 5064.2/41

All: 21.944 ± 0.253 χ^2/NDF : 15917.3/85

- sign 25.353 ± 0.349 χ^2/NDF : 10652.3/43

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.504 ± 0.657 χ^2/NDF : 164.6/17

Left Out: 0.730 ± 0.350 χ^2/NDF : 109.7/23

Right Out: -2.164 ± 0.601 χ^2/NDF : 111.3/20

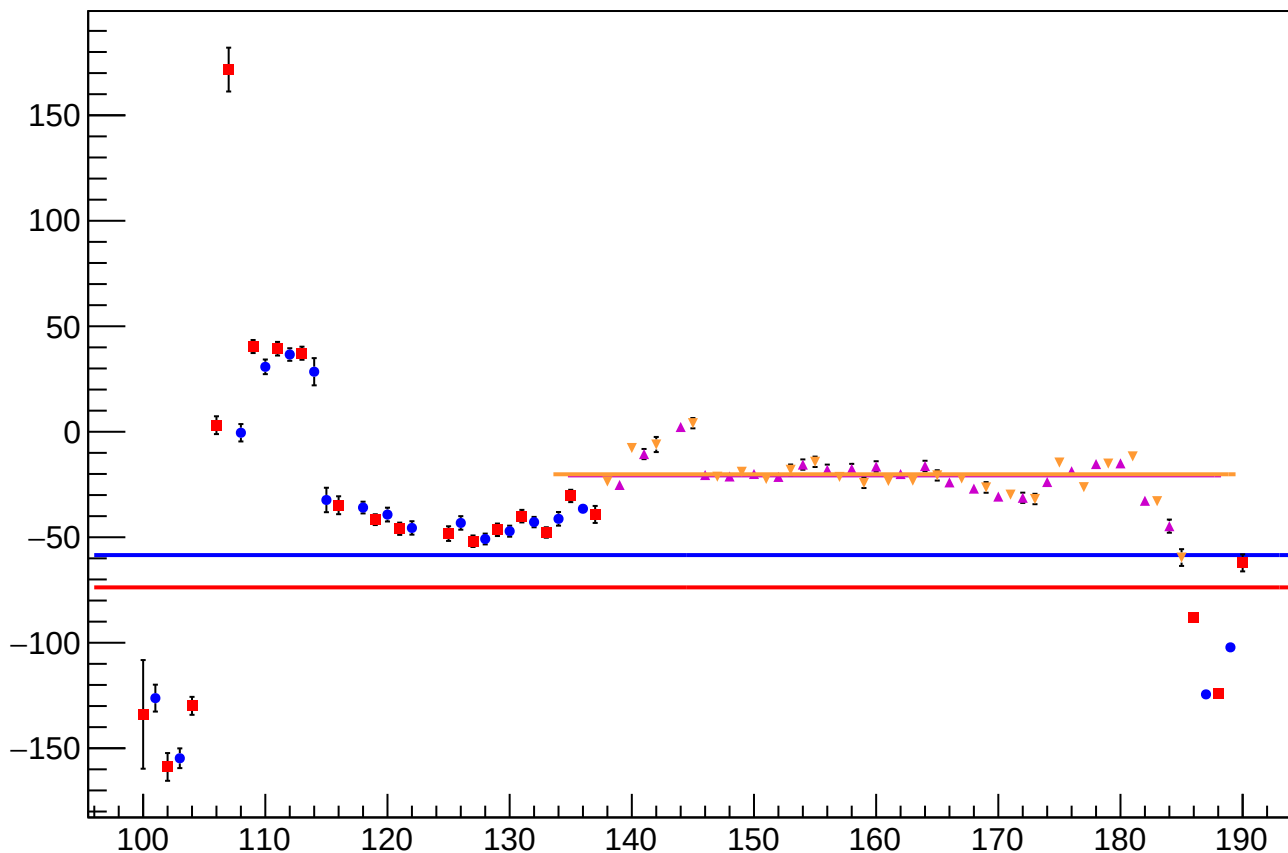
Left In: 1.156 ± 0.358 χ^2/NDF : 110.4/22

+ sign 0.017 ± 0.309 χ^2/NDF : 293.2/41

All: 0.153 ± 0.218 χ^2/NDF : 537.8/85

- sign 0.288 ± 0.307 χ^2/NDF : 244.3/43

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -58.452 $\pm$ 0.658 χ^2 /NDF: 5219.6/17

Left Out: -20.151 $\pm$ 0.452 χ^2 /NDF: 420.3/23

Right Out: -73.759 $\pm$ 0.523 χ^2 /NDF: 9252.8/20

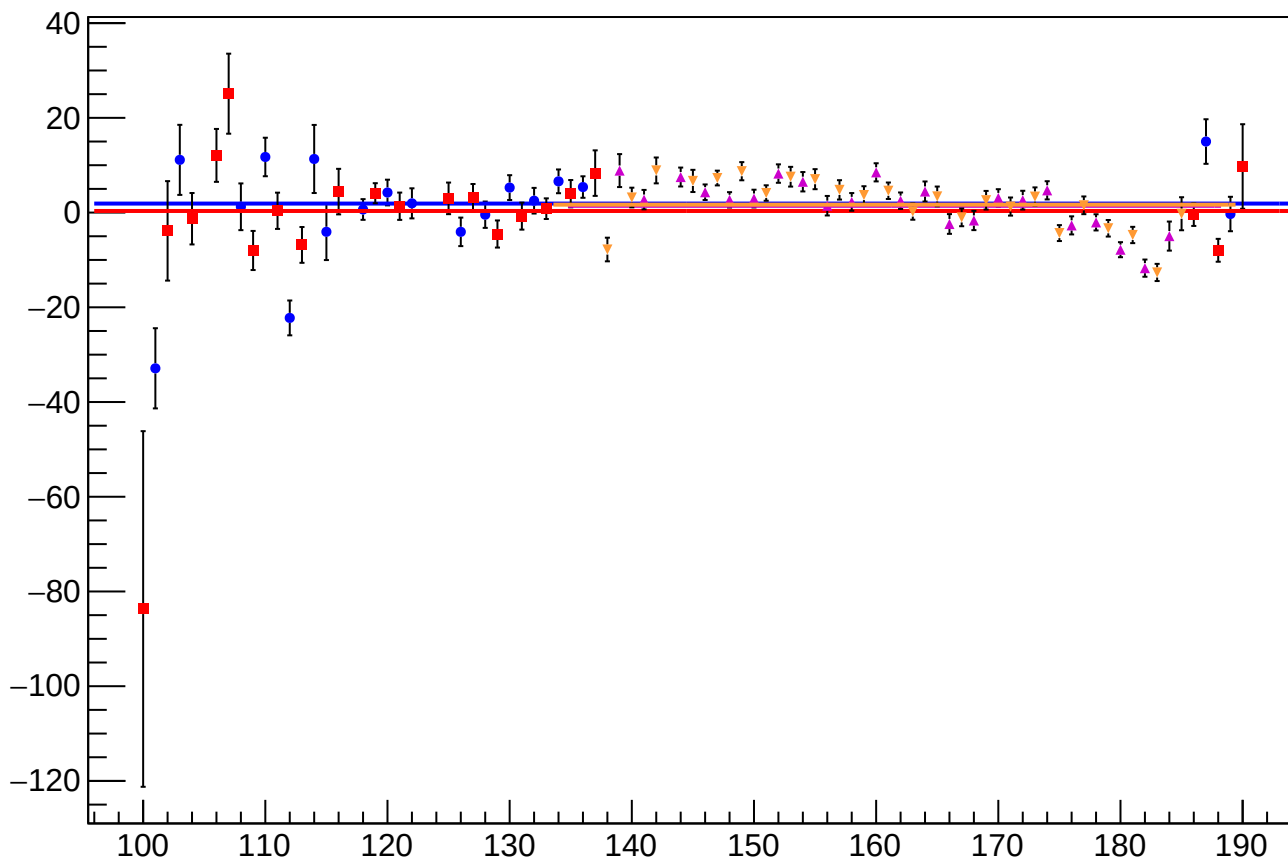
Left In: -20.683 $\pm$ 0.458 χ^2 /NDF: 310.5/22

+ sign -32.443 $\pm$ 0.373 χ^2 /NDF: 7939.9/41

All: -38.529 $\pm$ 0.253 χ^2 /NDF: 23835.2/85

- sign -43.719 $\pm$ 0.344 χ^2 /NDF: 15401.5/43

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.900 ± 0.768 χ^2/NDF : 91.5/17

Left Out: 1.671 ± 0.395 χ^2/NDF : 178.0/23

Right Out: 0.337 ± 0.733 χ^2/NDF : 51.9/20

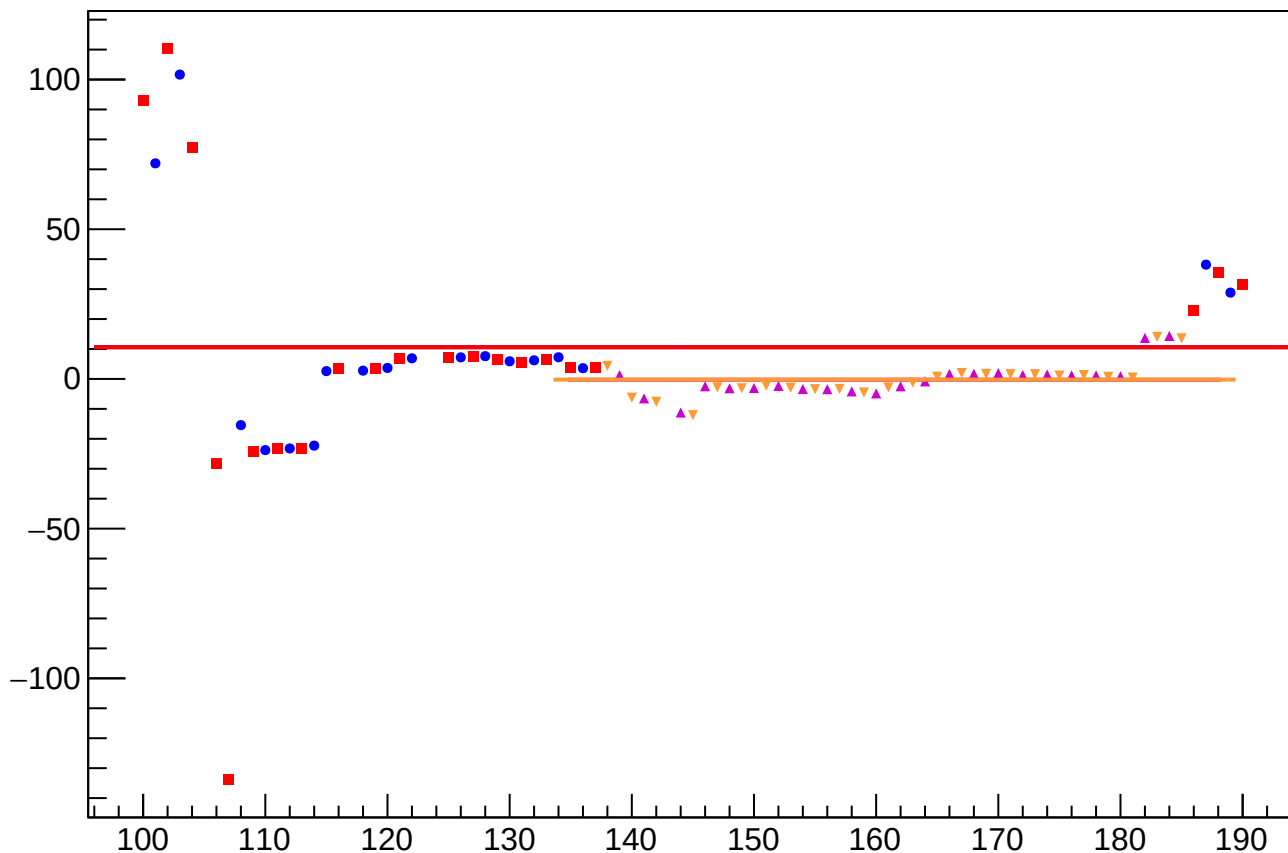
Left In: 1.428 ± 0.403 χ^2/NDF : 162.8/22

+ sign 1.719 ± 0.351 χ^2/NDF : 269.6/41

All: 1.448 ± 0.249 χ^2/NDF : 487.2/85

- sign 1.175 ± 0.353 χ^2/NDF : 216.4/43

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 10.602 ± 0.046 χ^2/NDF : 338850.1/17

Left Out: -0.229 ± 0.018 χ^2/NDF : 80976.2/23

Right Out: 10.588 ± 0.045 χ^2/NDF : 509148.9/20

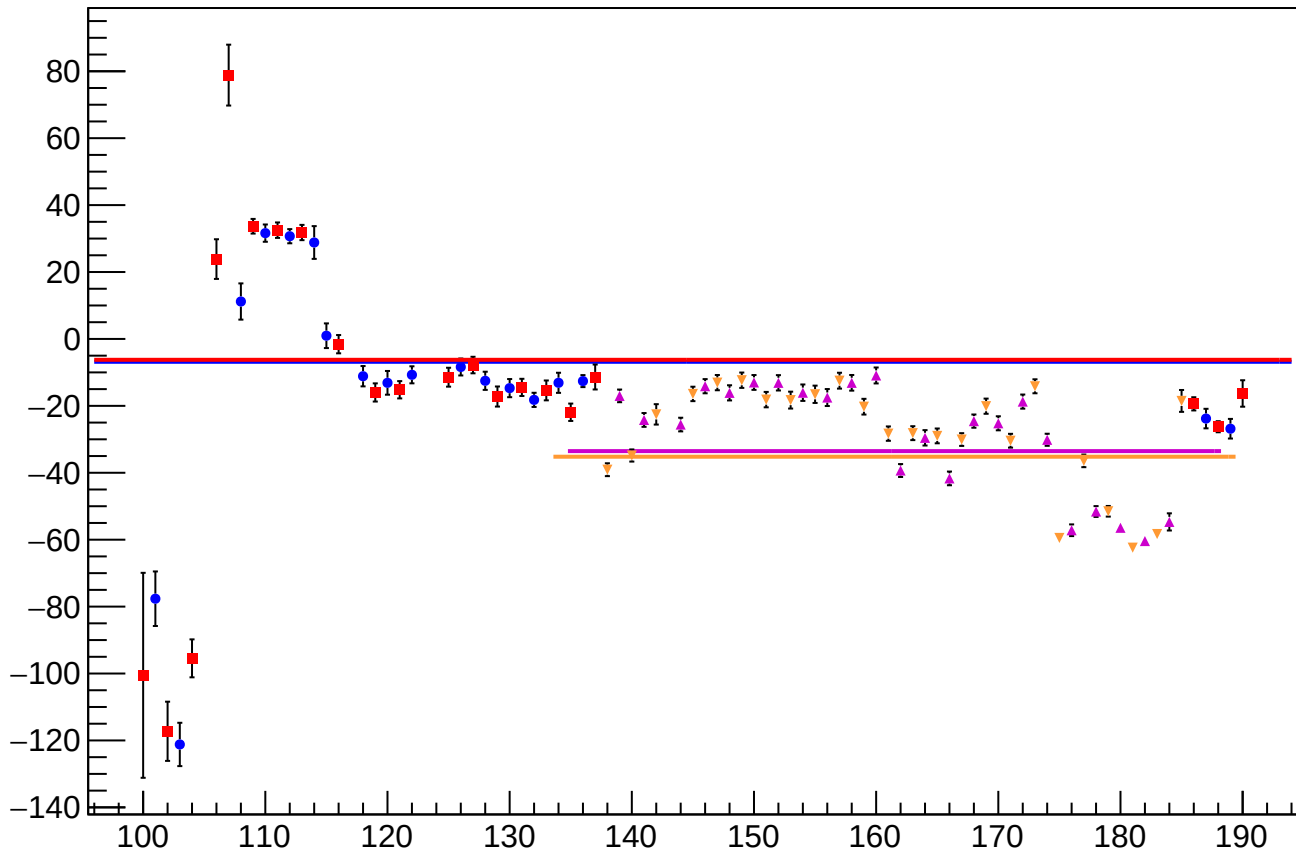
Left In: -0.270 ± 0.018 χ^2/NDF : 72783.3/22

+ sign 1.172 ± 0.016 χ^2/NDF : 468595.9/41

All: 1.167 ± 0.012 χ^2/NDF : 1099985.0/85

- sign 1.163 ± 0.017 χ^2/NDF : 631389.0/43

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -6.826 ± 0.673 χ^2/NDF : 1136.0/17

Left Out: -35.201 ± 0.408 χ^2/NDF : 1850.7/23

Right Out: -6.238 ± 0.612 χ^2/NDF : 1720.3/20

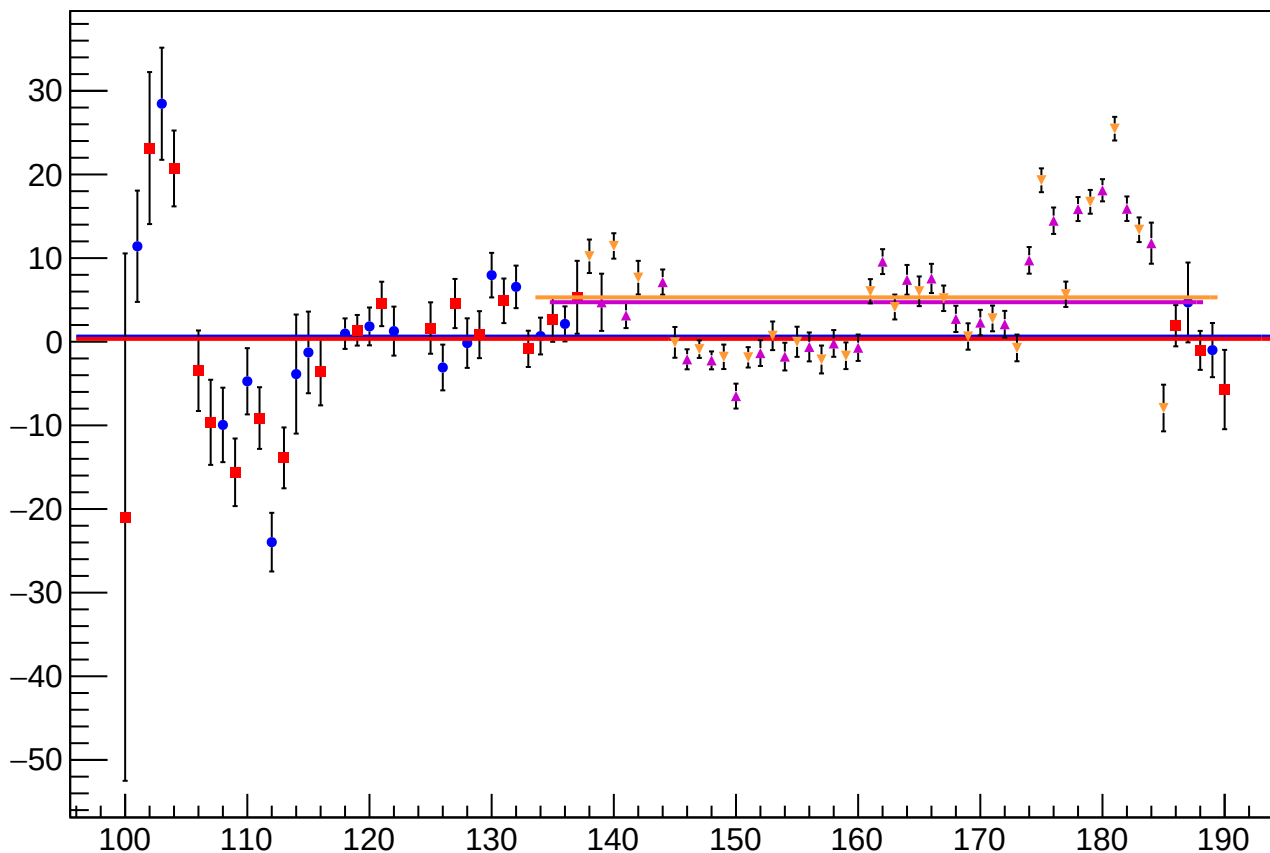
Left In: -33.528 ± 0.414 χ^2/NDF : 1806.1/22

+ sign -27.568 ± 0.349 χ^2/NDF : 4286.7/41

All: -26.251 ± 0.245 χ^2/NDF : 9204.5/85

- sign -24.979 ± 0.343 χ^2/NDF : 4889.8/43

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.616 ± 0.702 χ^2/NDF : 93.9/17

Left Out: 5.307 ± 0.315 χ^2/NDF : 624.4/23

Right Out: 0.345 ± 0.682 χ^2/NDF : 82.6/20

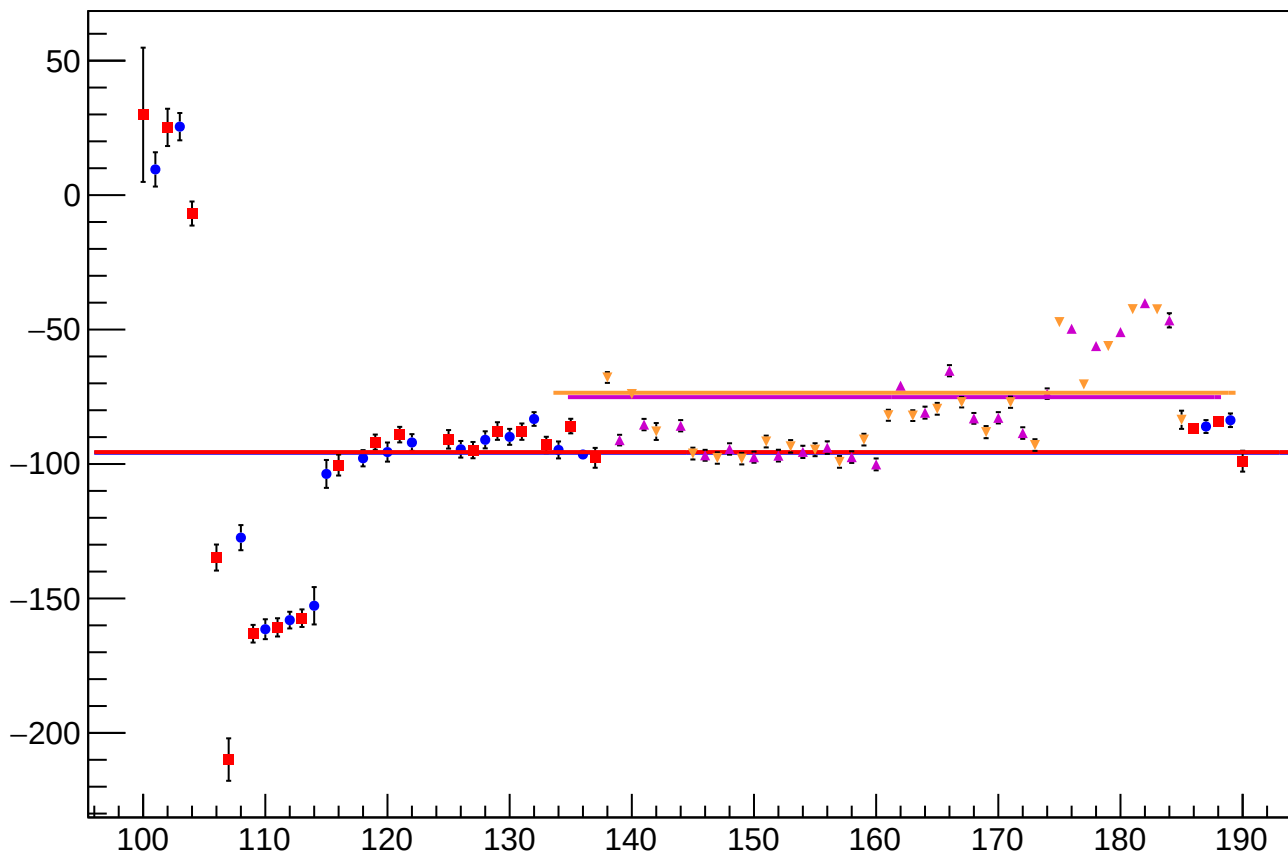
Left In: 4.727 ± 0.321 χ^2/NDF : 496.0/22

+ sign 4.520 ± 0.287 χ^2/NDF : 755.4/41

All: 4.229 ± 0.204 χ^2/NDF : 1369.8/85

- sign 3.932 ± 0.291 χ^2/NDF : 612.3/43

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -95.806 ± 0.736 χ^2/NDF : 1747.6/17

Left Out: -73.506 ± 0.405 χ^2/NDF : 2392.0/23

Right Out: -95.571 ± 0.638 χ^2/NDF : 2287.7/20

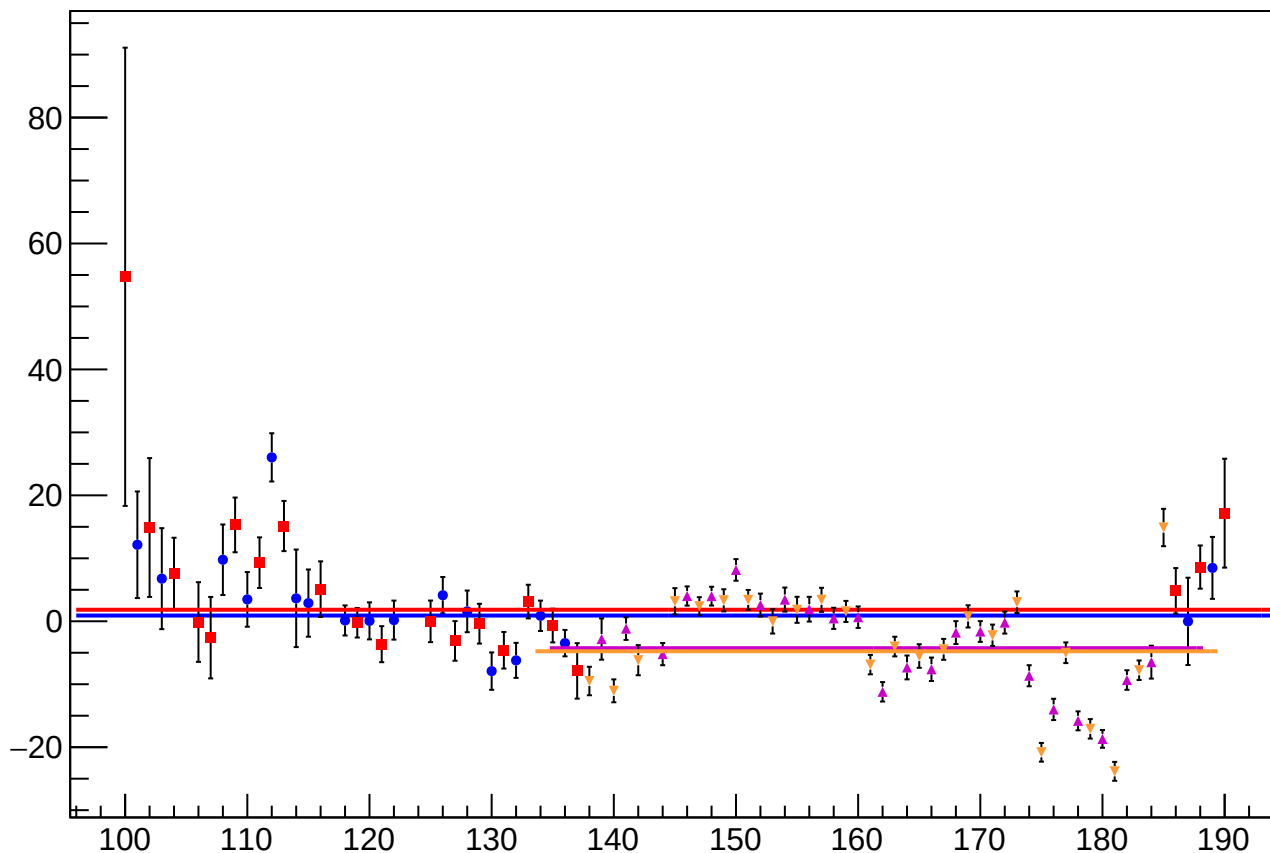
Left In: -75.133 ± 0.410 χ^2/NDF : 2361.9/22

+ sign -78.690 ± 0.355 χ^2/NDF : 4843.3/41

All: -79.931 ± 0.247 χ^2/NDF : 10242.5/85

- sign -81.102 ± 0.345 χ^2/NDF : 5375.4/43

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 0.909 ± 0.805 χ^2/NDF : 72.1/17

Left Out: -4.762 ± 0.355 χ^2/NDF : 576.9/23

Right Out: 1.830 ± 0.806 χ^2/NDF : 56.1/20

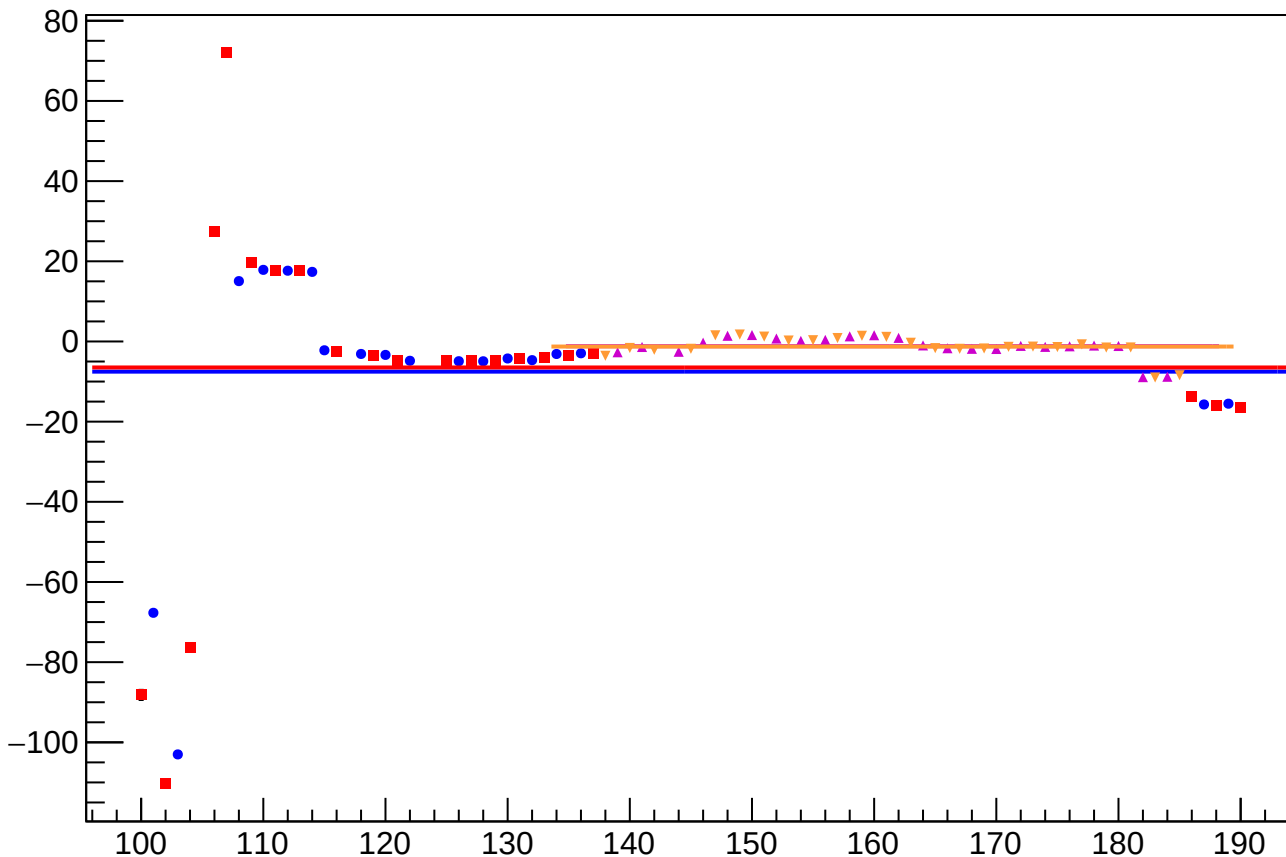
Left In: -4.278 ± 0.361 χ^2/NDF : 424.1/22

+ sign -3.839 ± 0.325 χ^2/NDF : 690.6/41

All: -3.553 ± 0.231 χ^2/NDF : 1220.2/85

- sign -3.258 ± 0.329 χ^2/NDF : 528.1/43

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -7.525 ± 0.047 χ^2/NDF : 267379.2/17

Left Out: -1.267 ± 0.016 χ^2/NDF : 25091.1/23

Right Out: -6.485 ± 0.049 χ^2/NDF : 345796.1/20

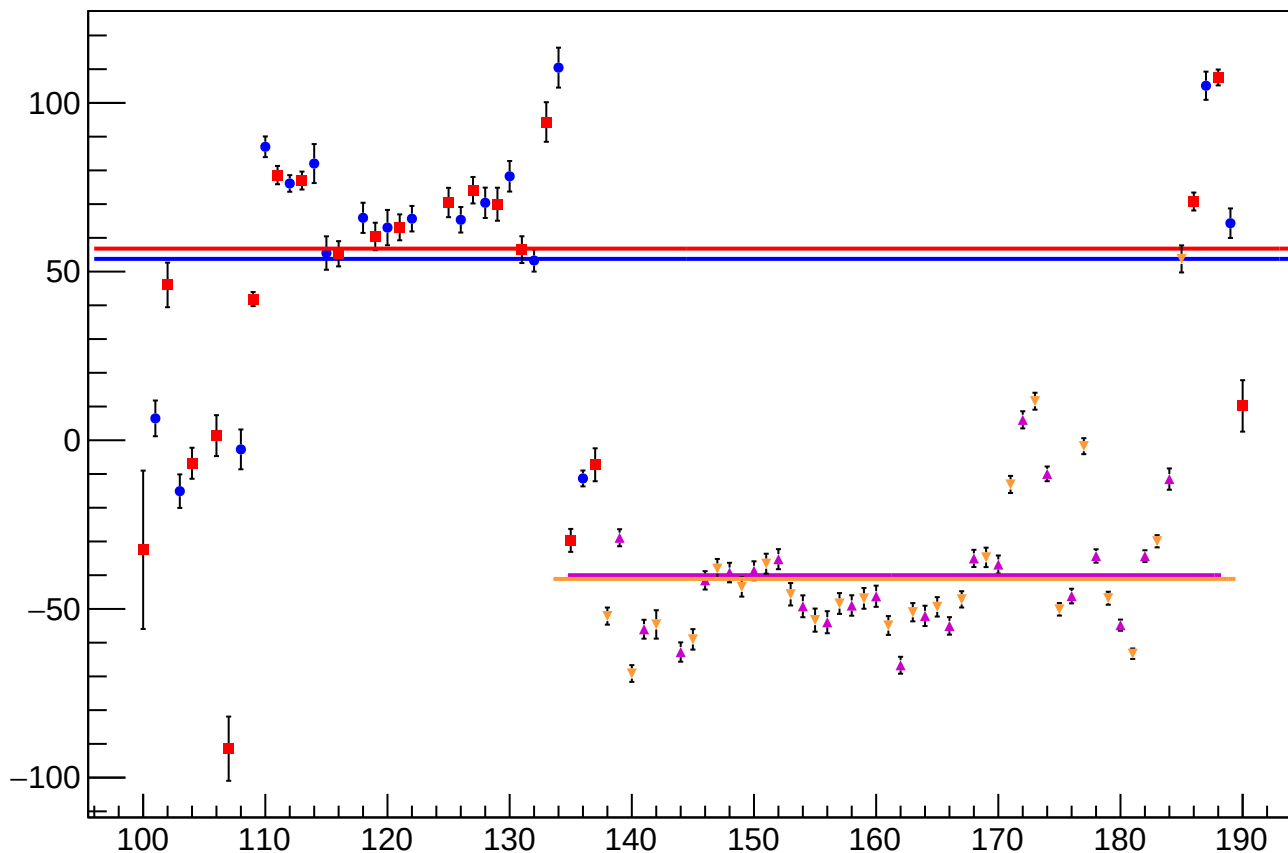
Left In: -1.180 ± 0.016 χ^2/NDF : 24754.1/22

+ sign -1.912 ± 0.015 χ^2/NDF : 308493.9/41

All: -1.805 ± 0.011 χ^2/NDF : 689907.3/85

- sign -1.697 ± 0.015 χ^2/NDF : 381312.1/43

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 53.764 $\pm$ 0.920 χ^2 /NDF: 1672.2/17

Left Out: -41.097 $\pm$ 0.517 χ^2 /NDF:1948.2/23

Right Out: 56.808 $\pm$ 0.807 χ^2 /NDF: 2138.5/20

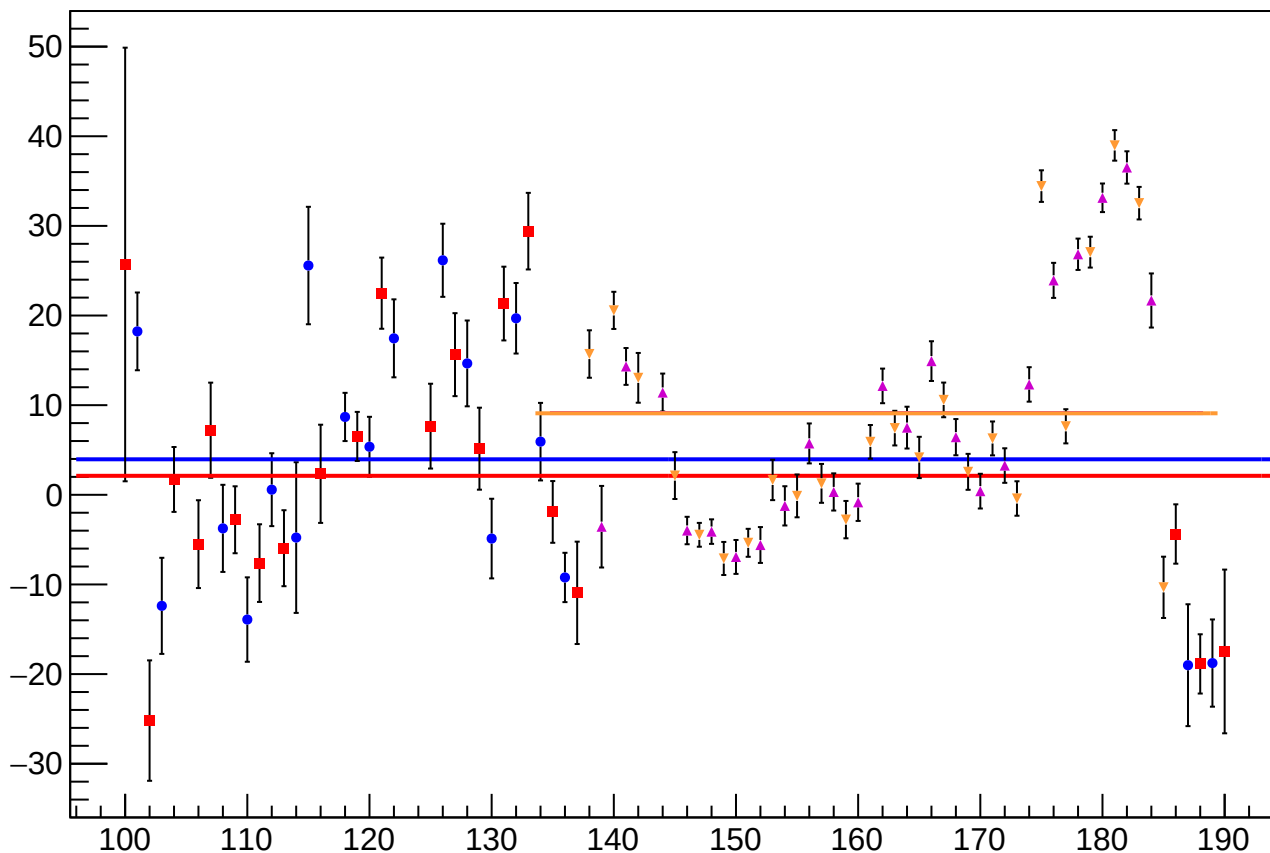
Left In: -40.000 $\pm$ 0.524 χ^2 /NDF:1031.8/22

+ sign -18.288 $\pm$ 0.451 χ^2 /NDF: 11704.0/41

All: -14.692 $\pm$ 0.315 χ^2 /NDF: 25116.0/85

- sign -11.273 $\pm$ 0.440 χ^2 /NDF: 13287.9/43

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 3.961 ± 0.989 χ^2/NDF : 173.6/17

Left Out: 9.094 ± 0.401 χ^2/NDF : 1253.7/23

Right Out: 2.119 ± 0.932 χ^2/NDF : 188.5/20

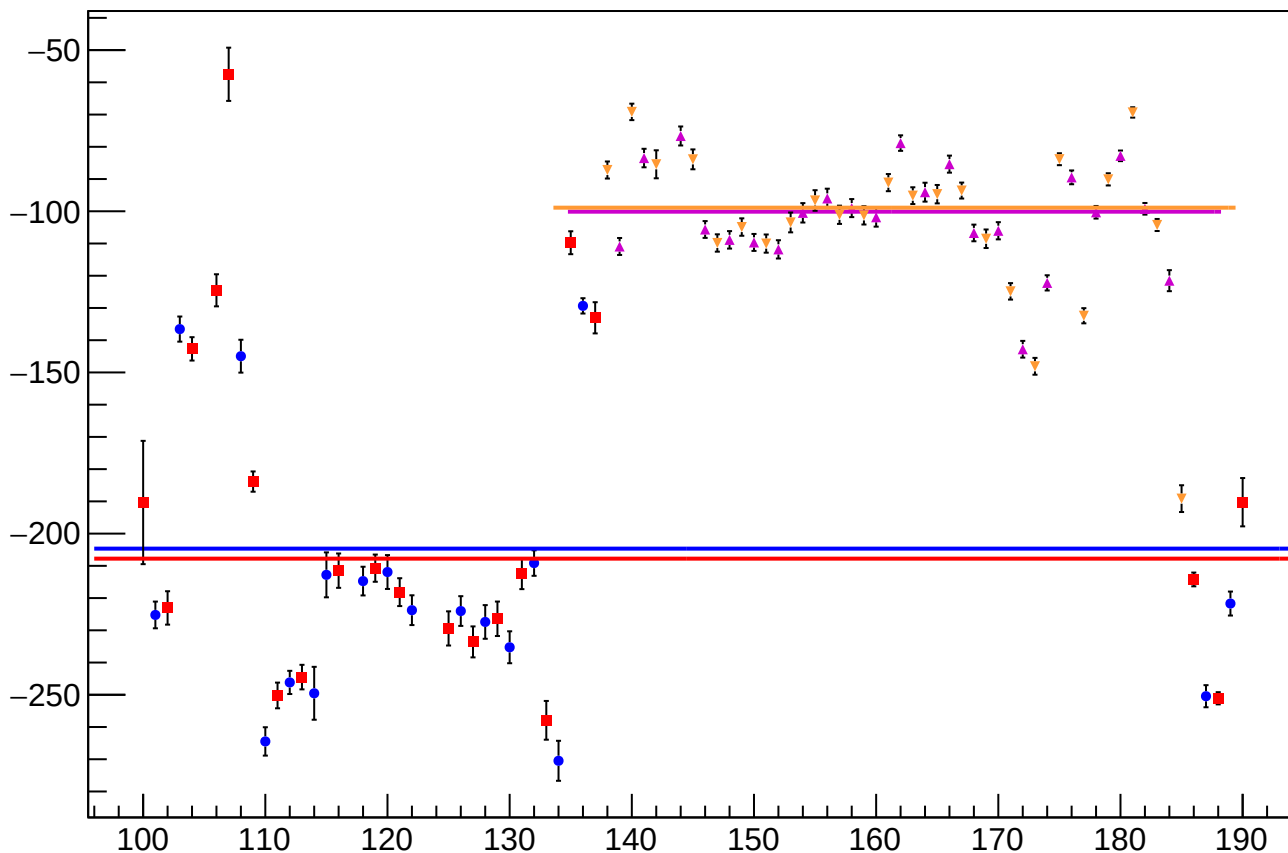
Left In: 9.121 ± 0.409 χ^2/NDF : 1051.8/22

+ sign 8.368 ± 0.372 χ^2/NDF : 1450.5/41

All: 8.181 ± 0.264 χ^2/NDF : 2738.6/85

- sign 7.991 ± 0.375 χ^2/NDF : 1287.6/43

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -204.660 ± 0.995 $\chi^2/\text{NDF}: 2232.5/17$

Left Out: -98.883 ± 0.514 $\chi^2/\text{NDF}: 1824.5/23$

Right Out: -207.766 ± 0.853 $\chi^2/\text{NDF}: 2877.6/20$

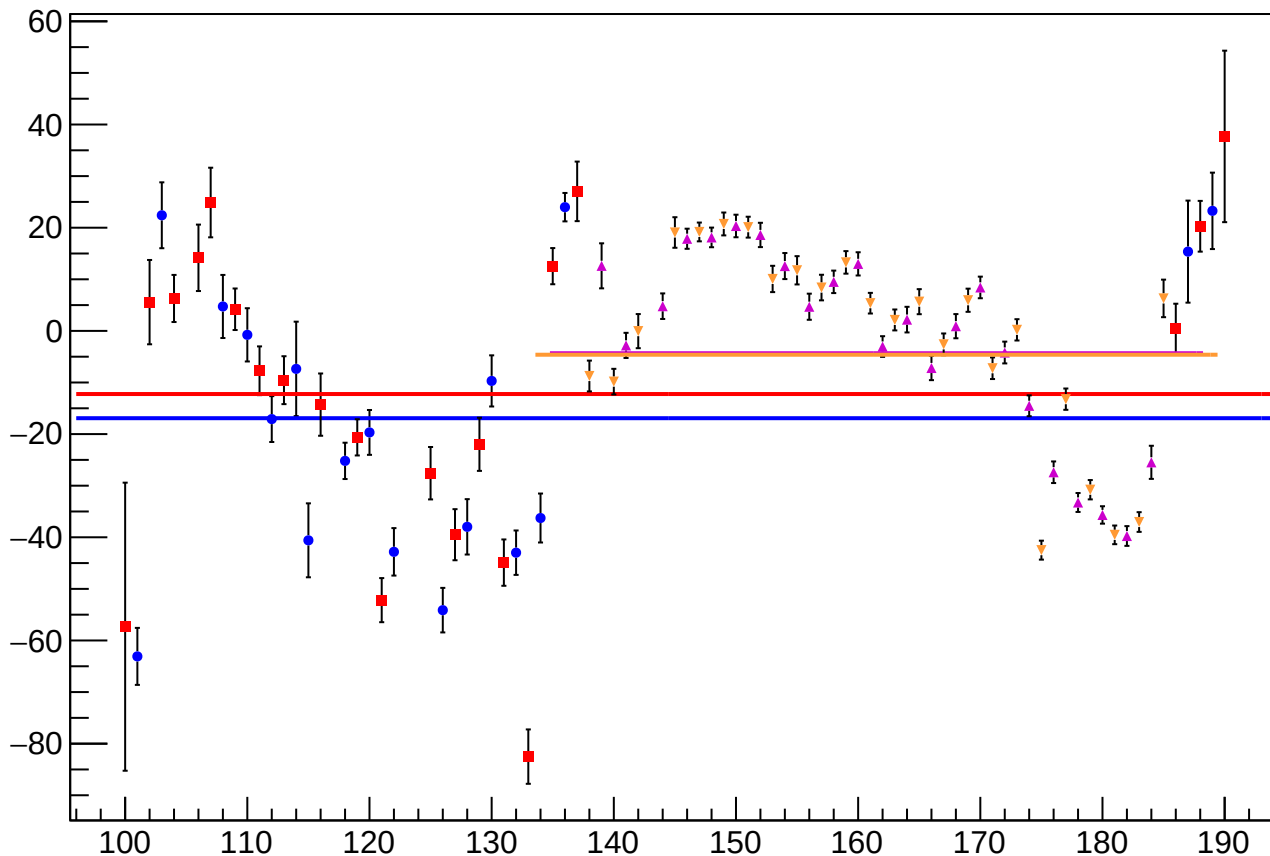
Left In: -100.127 ± 0.520 $\chi^2/\text{NDF}: 823.2/22$

+ sign -121.162 ± 0.457 $\chi^2/\text{NDF}: 12972.0/41$

All: -125.334 ± 0.318 $\chi^2/\text{NDF}: 28435.9/85$

- sign -129.278 ± 0.444 $\chi^2/\text{NDF}: 15301.6/43$

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -16.920 ± 1.138 χ^2/NDF : 585.5/17

Left Out: -4.618 ± 0.451 χ^2/NDF : 2078.3/23

Right Out: -12.236 ± 1.099 χ^2/NDF : 611.7/20

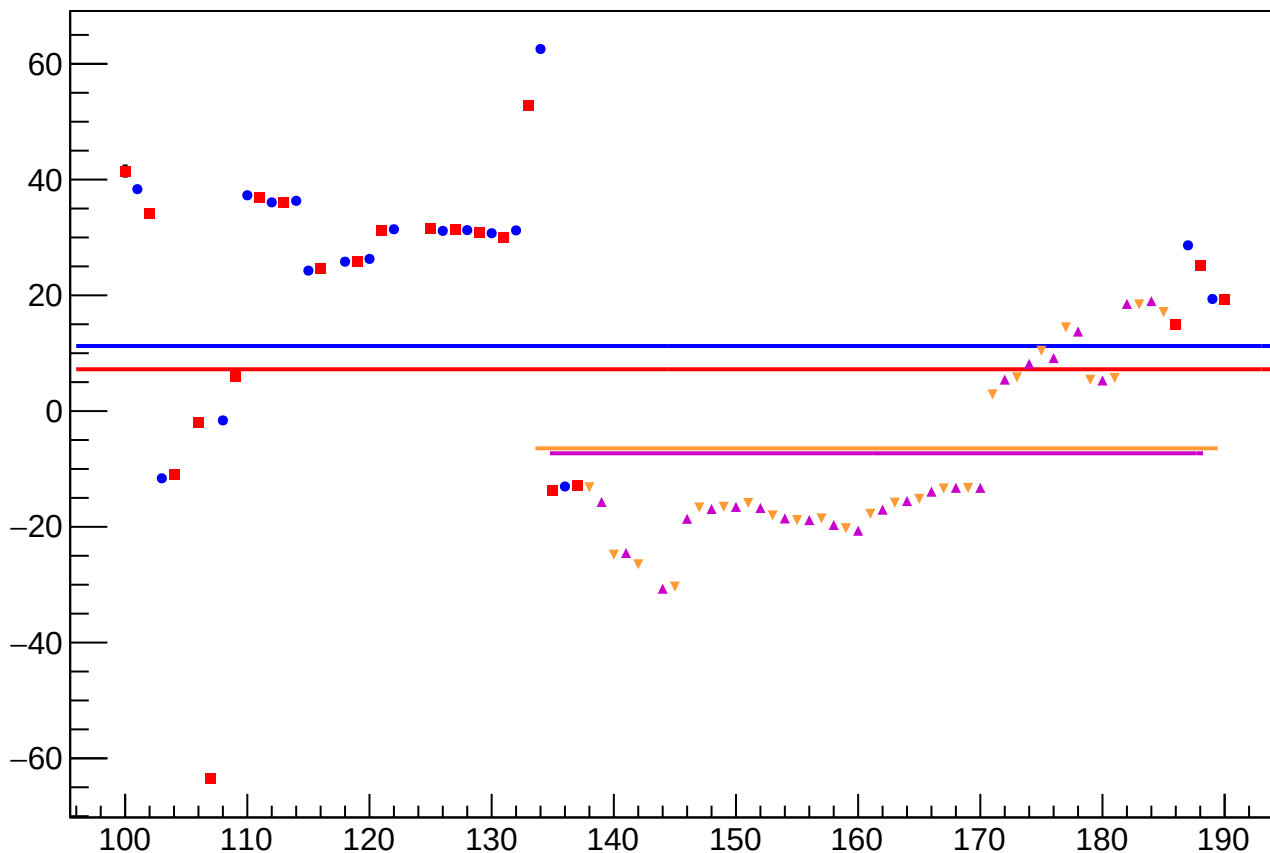
Left In: -4.328 ± 0.459 χ^2/NDF : 1854.2/22

+ sign -6.290 ± 0.420 χ^2/NDF : 2764.8/41

All: -5.900 ± 0.298 χ^2/NDF : 5276.6/85

- sign -5.502 ± 0.423 χ^2/NDF : 2510.0/43

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 11.246 $\pm$ 0.061 χ^2 /NDF: 166586.7/17

Left Out: -6.437 $\pm$ 0.020 χ^2 /NDF: 496714.6/23

Right Out: 7.225 $\pm$ 0.060 χ^2 /NDF: 161952.5/20

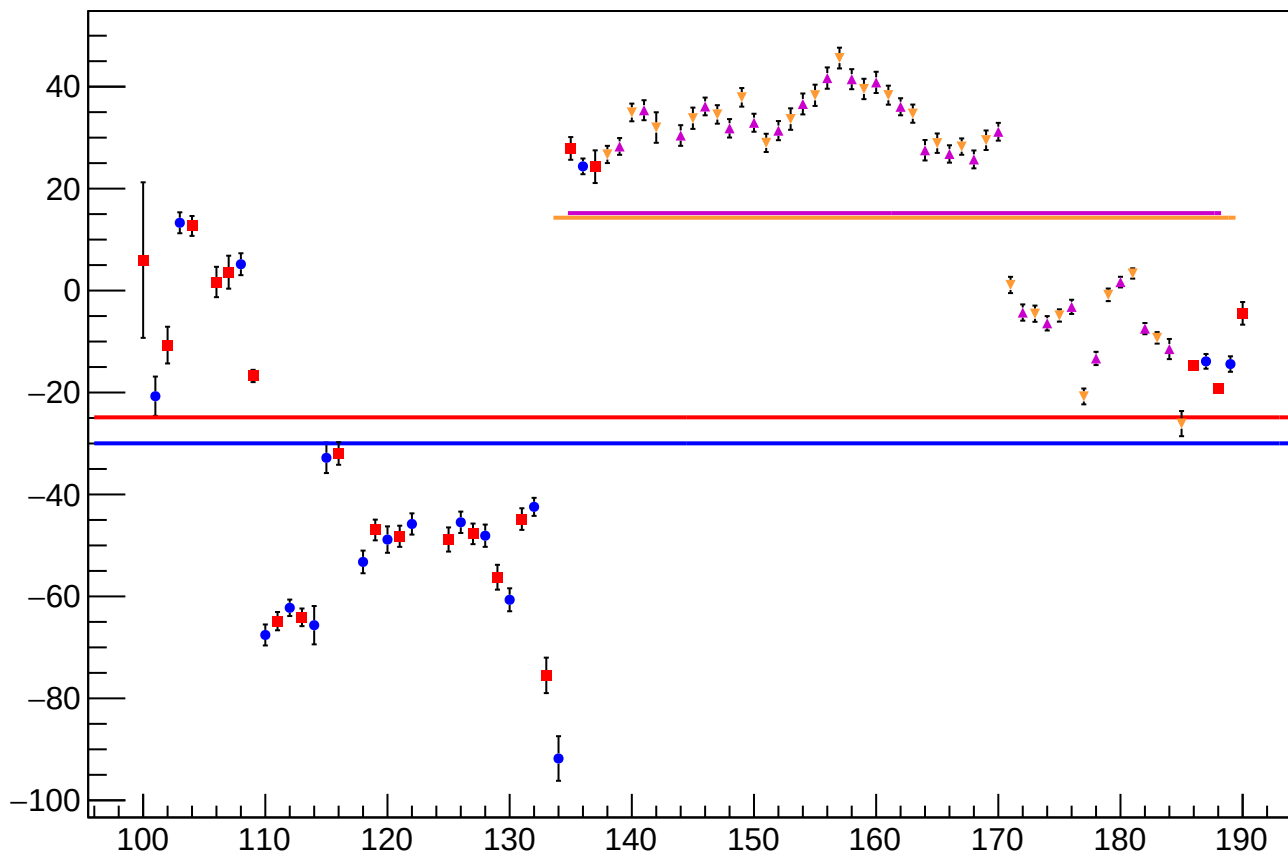
Left In: -7.292 $\pm$ 0.020 χ^2 /NDF: 488261.5/22

+ sign -4.708 $\pm$ 0.019 χ^2 /NDF: 738291.6/41

All: -5.258 $\pm$ 0.014 χ^2 /NDF: 1442286.9/85

- sign -5.812 $\pm$ 0.019 χ^2 /NDF: 702343.8/43

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -29.971 ± 0.485 χ^2/NDF : 3792.4/17

Left Out: 14.295 ± 0.335 χ^2/NDF : 3726.3/23

Right Out: -24.870 ± 0.392 χ^2/NDF : 3597.4/20

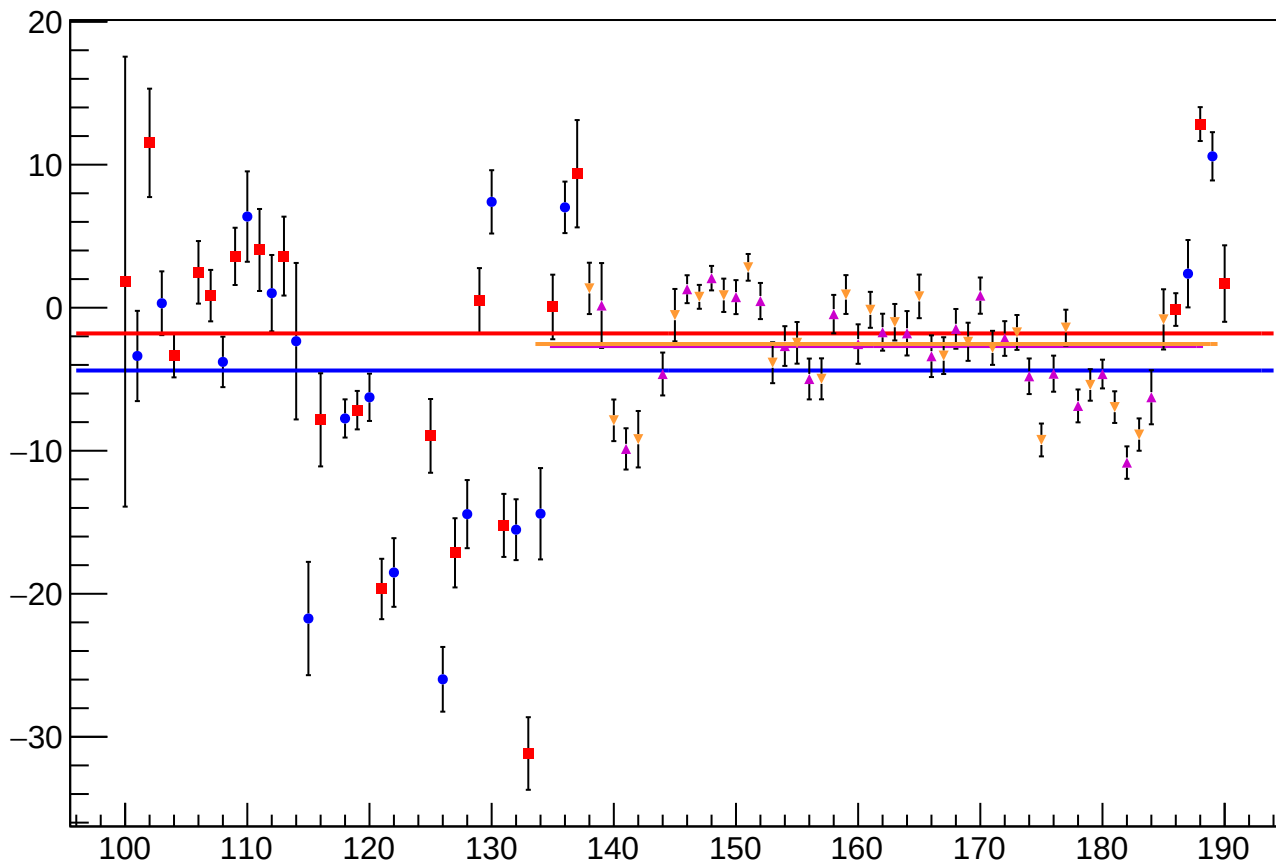
Left In: 15.194 ± 0.339 χ^2/NDF : 3406.6/22

+ sign -0.005 ± 0.276 χ^2/NDF : 13152.5/41

All: -1.055 ± 0.188 χ^2/NDF : 26150.3/85

- sign -1.964 ± 0.257 χ^2/NDF : 12970.8/43

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -4.391 ± 0.513 χ^2/NDF : 383.4/17

Left Out: -2.538 ± 0.259 χ^2/NDF : 198.4/23

Right Out: -1.798 ± 0.441 χ^2/NDF : 511.6/20

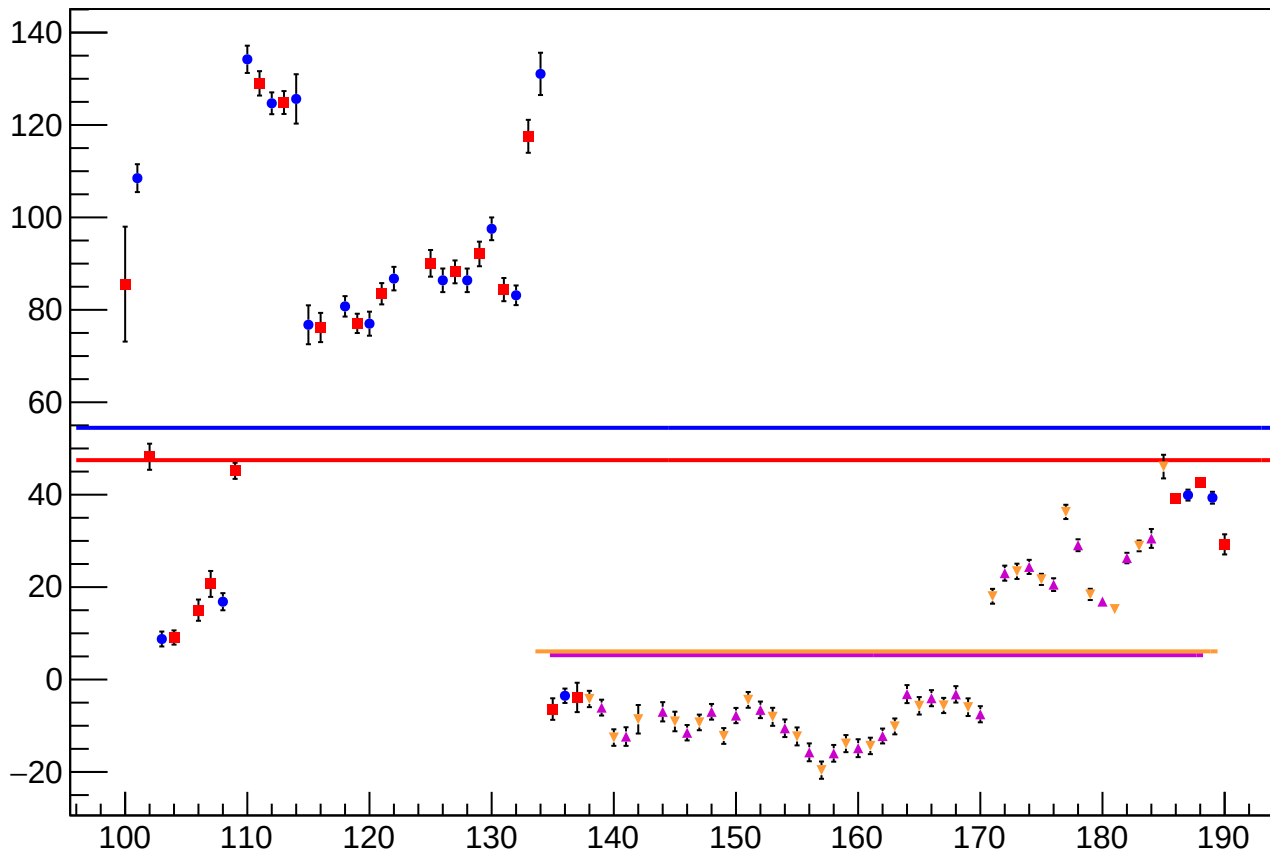
Left In: -2.681 ± 0.265 χ^2/NDF : 182.0/22

+ sign -2.914 ± 0.231 χ^2/NDF : 592.2/41

All: -2.676 ± 0.162 χ^2/NDF : 1290.8/85

- sign -2.447 ± 0.227 χ^2/NDF : 696.5/43

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 54.470 $\pm$ 0.491 χ^2 /NDF: 6491.8/17

Left Out: 6.095 $\pm$ 0.333 χ^2 /NDF:2773.9/23

Right Out: 47.473 $\pm$ 0.375 χ^2 /NDF: 5793.0/20

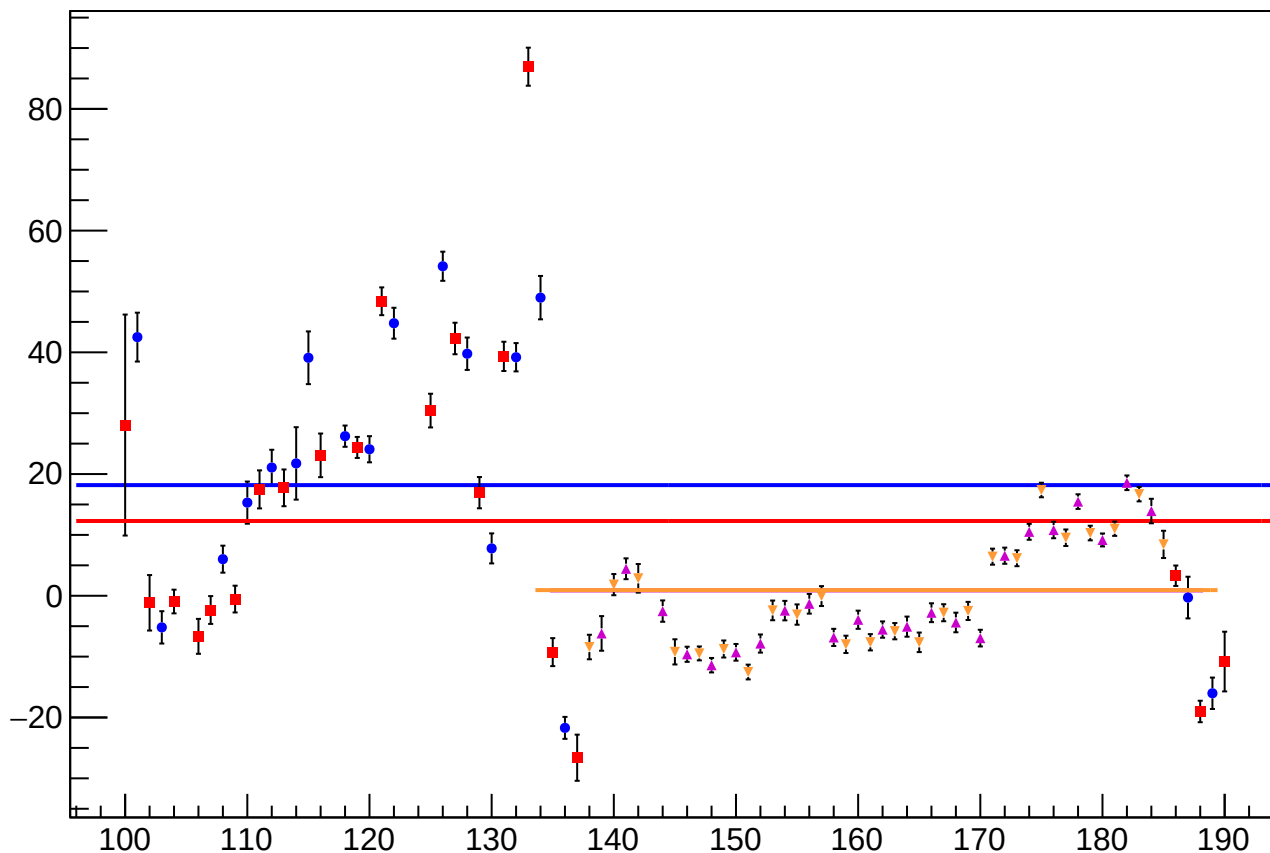
Left In: 5.269 $\pm$ 0.337 χ^2 /NDF:2451.2/22

+ sign 21.334 $\pm$ 0.275 χ^2 /NDF: 15919.0/41

All: 22.858 $\pm$ 0.185 χ^2 /NDF: 31242.5/85

- sign 24.116 $\pm$ 0.250 χ^2 /NDF: 15267.6/43

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 18.181 $\pm$ 0.611 χ^2 /NDF: 1468.6/17

Left Out: 0.929 $\pm$ 0.292 χ^2 /NDF:1041.7/23

Right Out: 12.287 $\pm$ 0.548 χ^2 /NDF: 1924.0/20

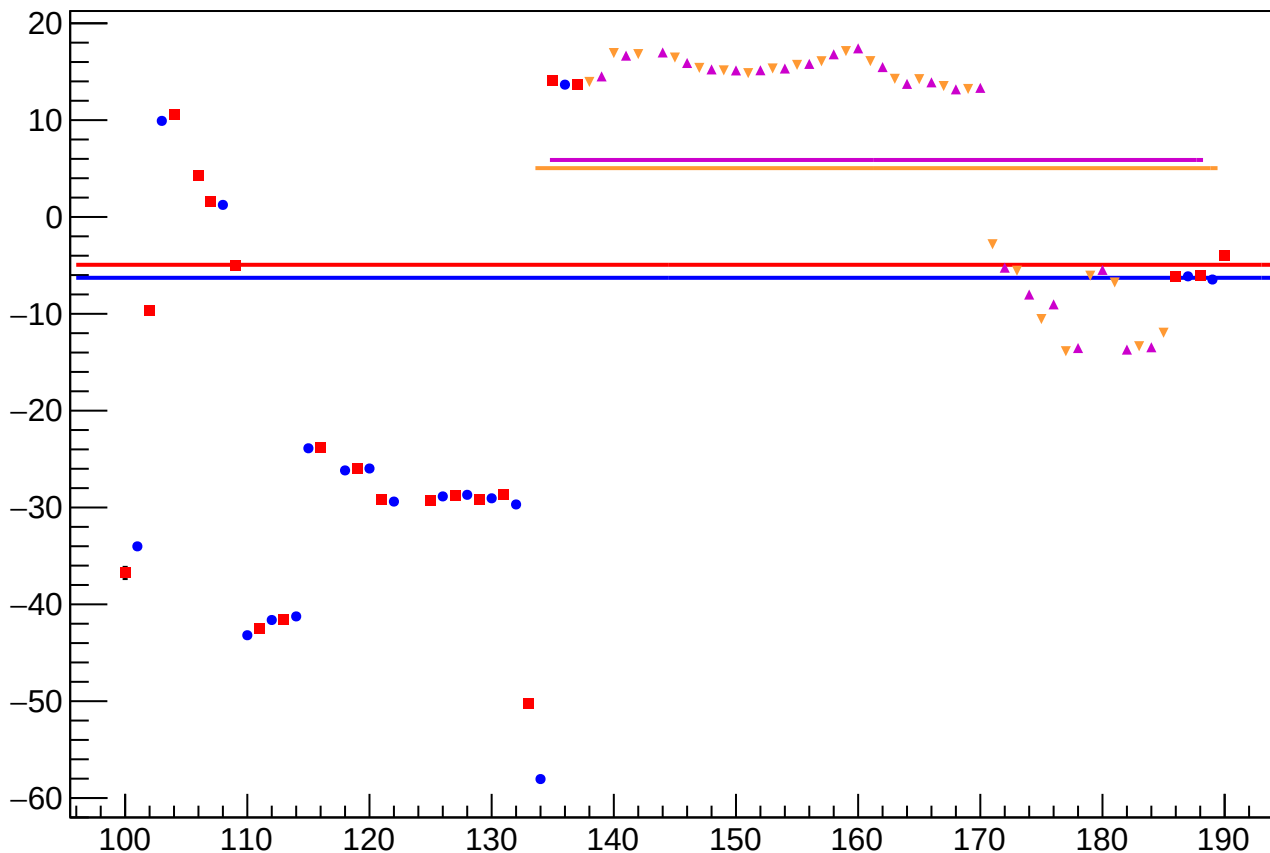
Left In: 0.878 $\pm$ 0.297 χ^2 /NDF:1006.0/22

+ sign 4.130 $\pm$ 0.263 χ^2 /NDF: 3158.9/41

All: 3.800 $\pm$ 0.185 χ^2 /NDF: 6427.3/85

- sign 3.475 $\pm$ 0.261 χ^2 /NDF: 3265.3/43

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -6.282 ± 0.032 χ^2/NDF : 410464.2/17

Left Out: 5.042 ± 0.013 χ^2/NDF : 855564.2/23

Right Out: -4.938 ± 0.030 χ^2/NDF : 307005.1/20

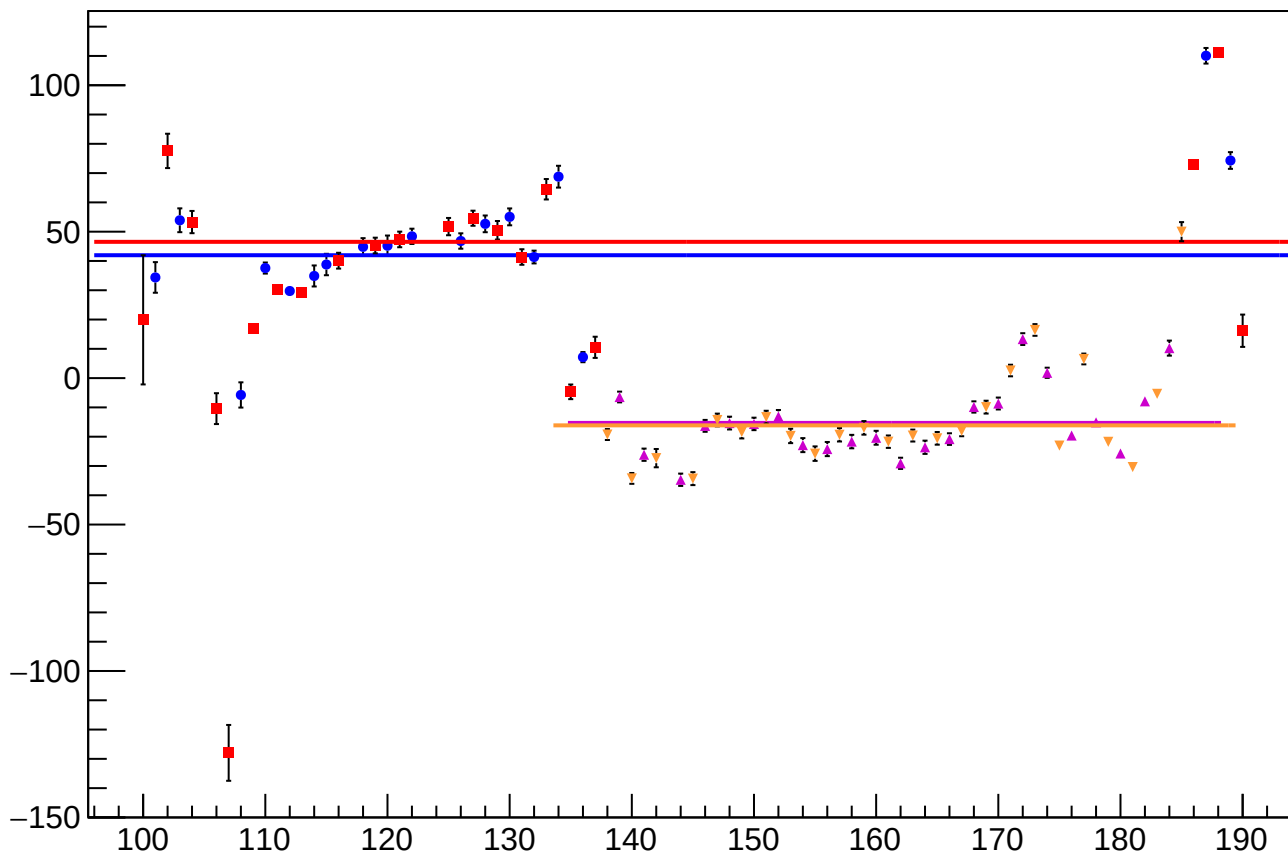
Left In: 5.886 ± 0.013 χ^2/NDF : 846355.0/22

+ sign 3.392 ± 0.012 χ^2/NDF : 1375568.9/41

All: 3.767 ± 0.009 χ^2/NDF : 2640243.2/85

- sign 4.139 ± 0.012 χ^2/NDF : 1262751.4/43

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 41.960 ± 0.622 χ^2/NDF : 1483.2/17

Left Out: -16.132 ± 0.398 χ^2/NDF : 1364.9/23

Right Out: 46.531 ± 0.548 χ^2/NDF : 3723.9/20

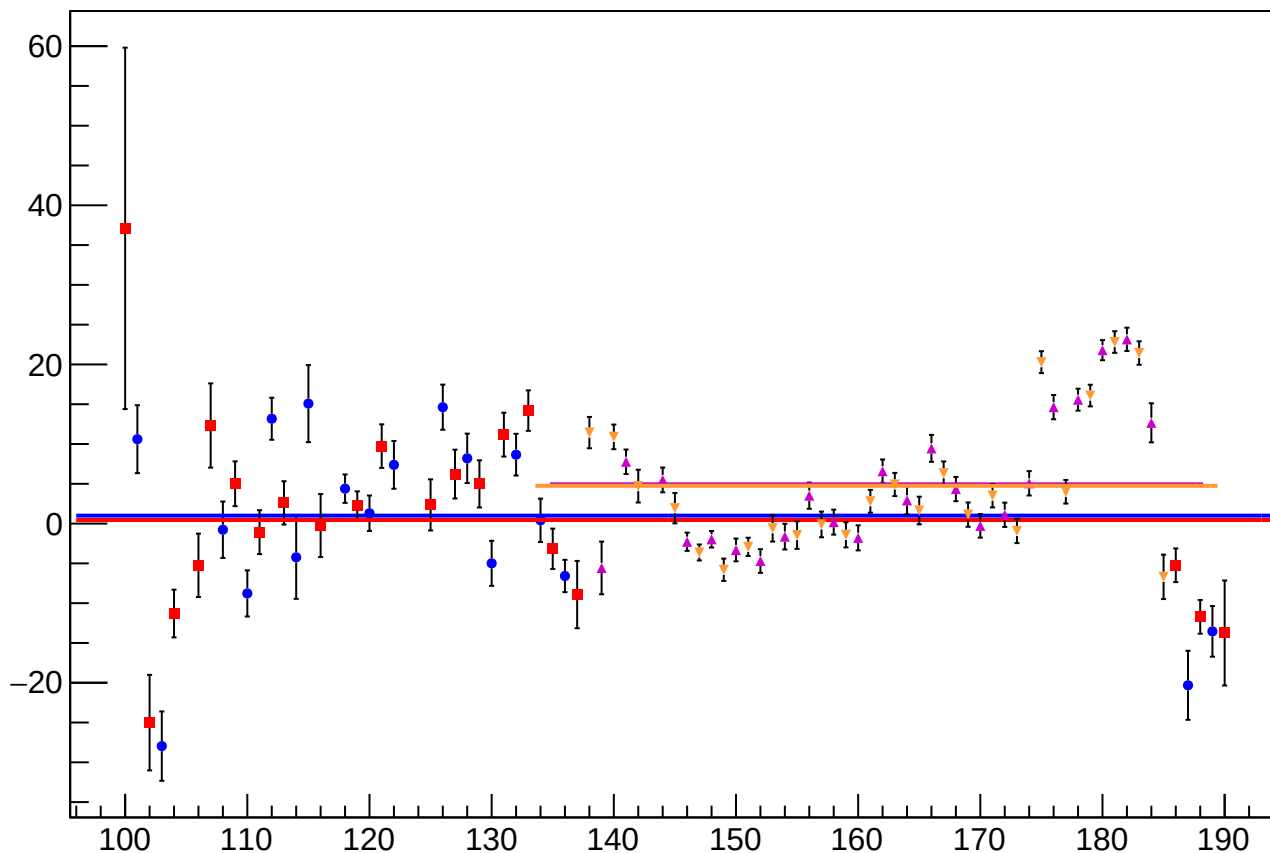
Left In: -15.295 ± 0.403 χ^2/NDF : 760.9/22

+ sign 0.736 ± 0.335 χ^2/NDF : 9037.2/41

All: 3.655 ± 0.233 χ^2/NDF : 21918.6/85

- sign 6.398 ± 0.325 χ^2/NDF : 12734.3/43

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.000 ± 0.677 χ^2/NDF : 200.4/17

Left Out: 4.745 ± 0.307 χ^2/NDF : 793.8/23

Right Out: 0.450 ± 0.642 χ^2/NDF : 161.5/20

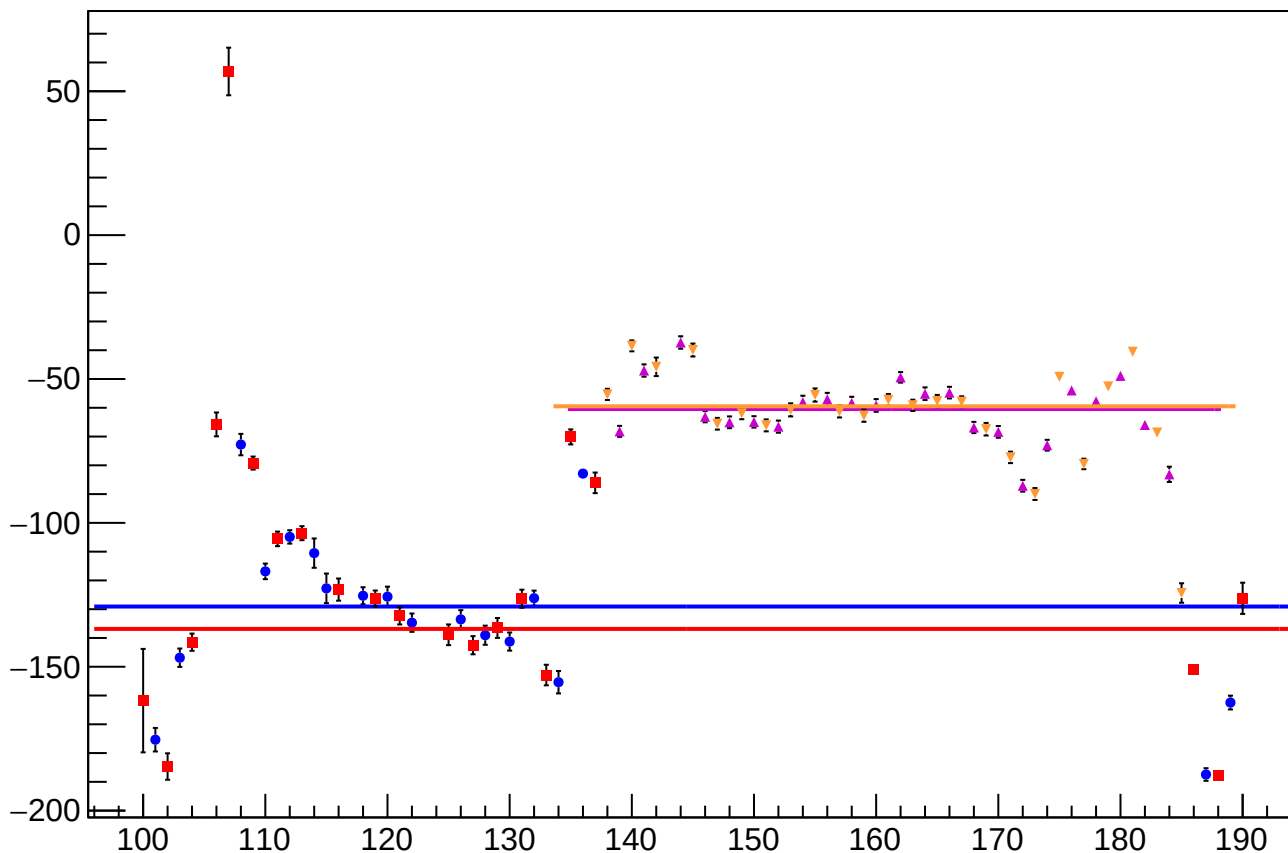
Left In: 4.935 ± 0.313 χ^2/NDF : 688.4/22

+ sign 4.107 ± 0.279 χ^2/NDF : 1019.5/41

All: 4.091 ± 0.198 χ^2/NDF : 1908.8/85

- sign 4.074 ± 0.281 χ^2/NDF : 889.2/43

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -129.074 ± 0.685 $\chi^2/\text{NDF}: 2208.9/17$

Left Out: -59.480 ± 0.395 $\chi^2/\text{NDF}: 1372.3/23$

Right Out: -136.852 ± 0.581 $\chi^2/\text{NDF}: 4705.0/20$

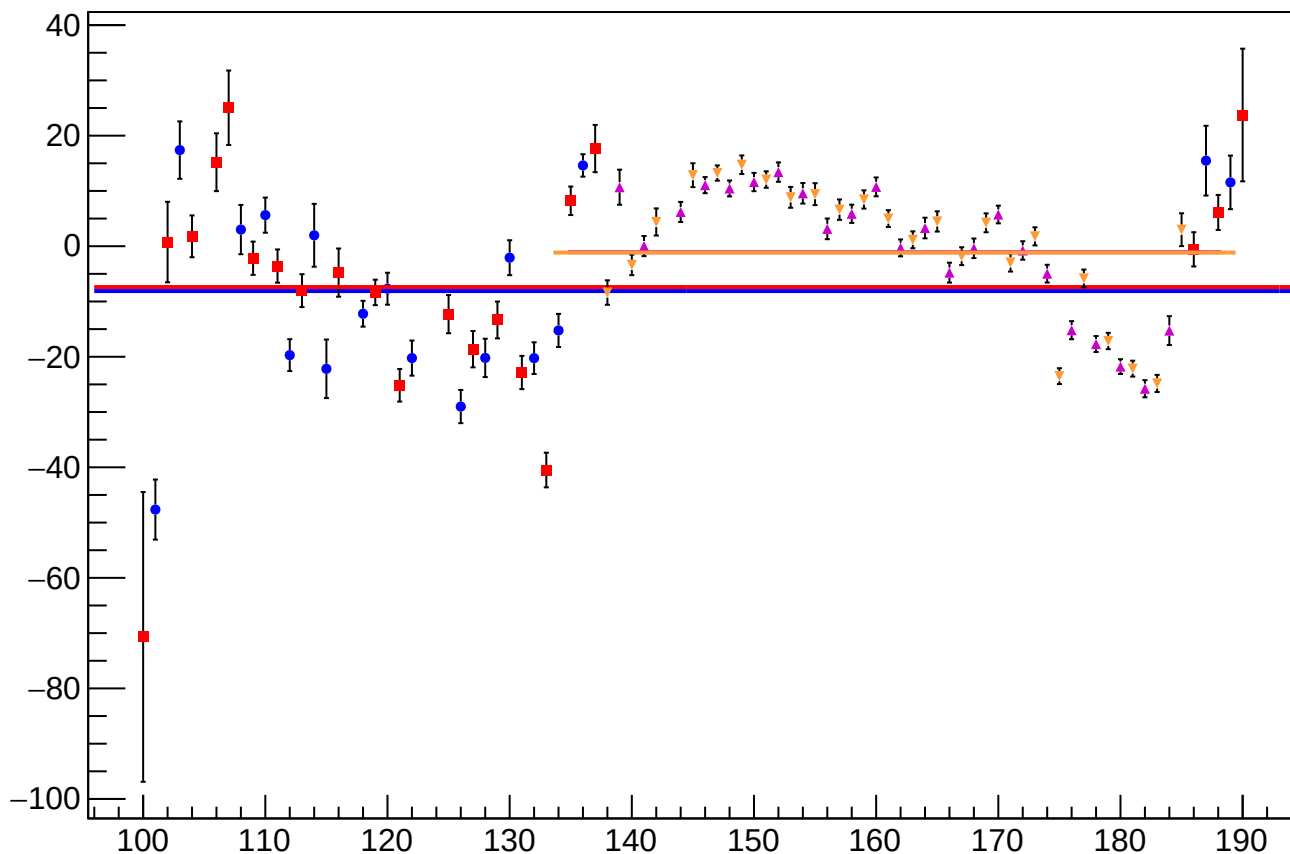
Left In: -60.435 ± 0.400 $\chi^2/\text{NDF}: 668.3/22$

+ sign -76.823 ± 0.342 $\chi^2/\text{NDF}: 11319.5/41$

All: -81.063 ± 0.237 $\chi^2/\text{NDF}: 28742.6/85$

- sign -84.985 ± 0.329 $\chi^2/\text{NDF}: 17127.5/43$

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -8.117 ± 0.779 χ^2/NDF : 389.7/17

Left Out: -1.144 ± 0.346 χ^2/NDF : 1303.0/23

Right Out: -7.387 ± 0.760 χ^2/NDF : 351.8/20

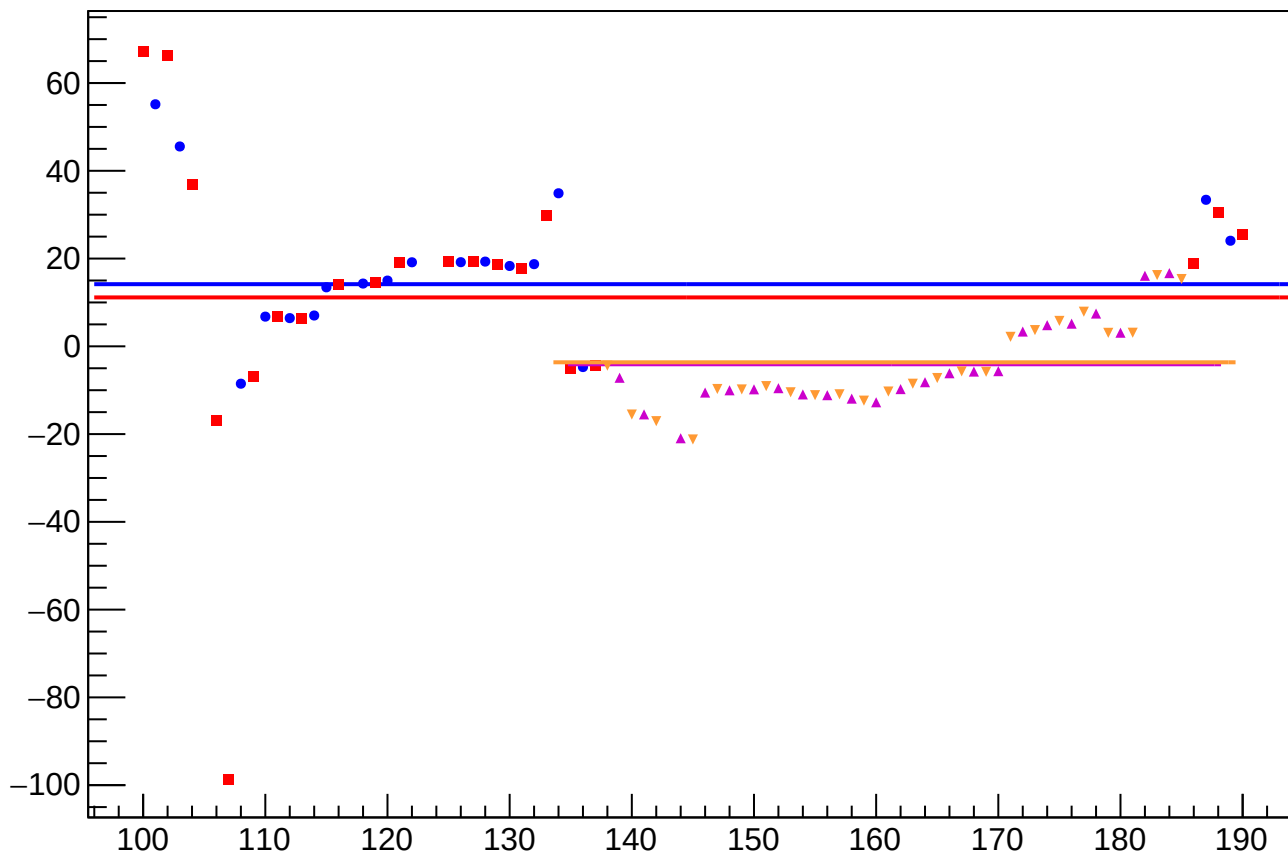
Left In: -1.082 ± 0.352 χ^2/NDF : 1157.4/22

+ sign -2.290 ± 0.316 χ^2/NDF : 1759.6/41

All: -2.243 ± 0.225 χ^2/NDF : 3325.6/85

- sign -2.196 ± 0.319 χ^2/NDF : 1565.9/43

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 14.163+/-0.044 χ^2/NDF : 189065.6/17

Left Out: -3.639+/-0.015 χ^2/NDF : 345861.2/23

Right Out: 11.145+/-0.044 χ^2/NDF : 309896.3/20

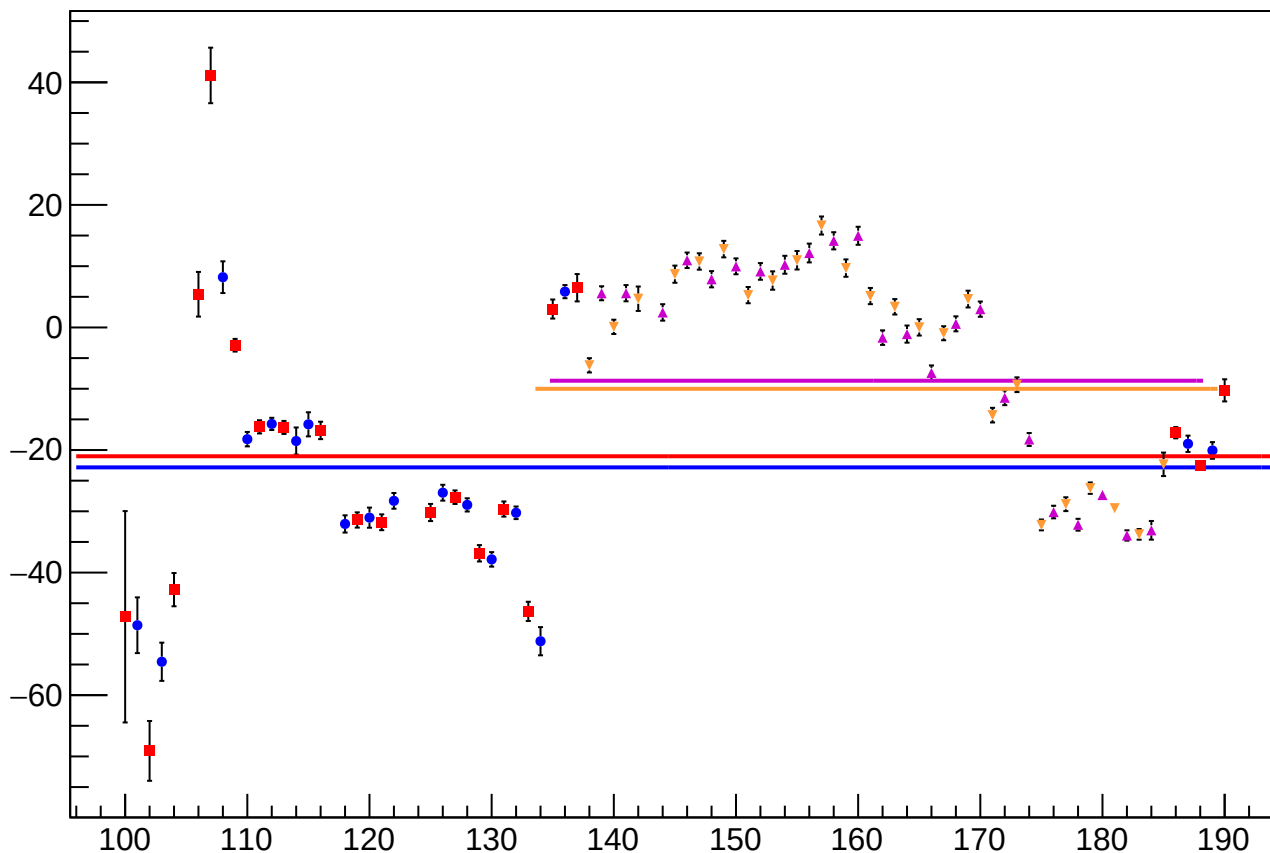
Left In: -4.091+/-0.016 χ^2/NDF : 333287.4/22

+ sign -1.683+/-0.015 χ^2/NDF : 680765.6/41

All: -2.051+/-0.010 χ^2/NDF : 1430661.2/85

- sign -2.422+/-0.015 χ^2/NDF : 748617.9/43

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -22.831 ± 0.329 χ^2/NDF : 1582.0/17

Left Out: -10.013 ± 0.244 χ^2/NDF : 4977.5/23

Right Out: -21.018 ± 0.295 χ^2/NDF : 1873.7/20

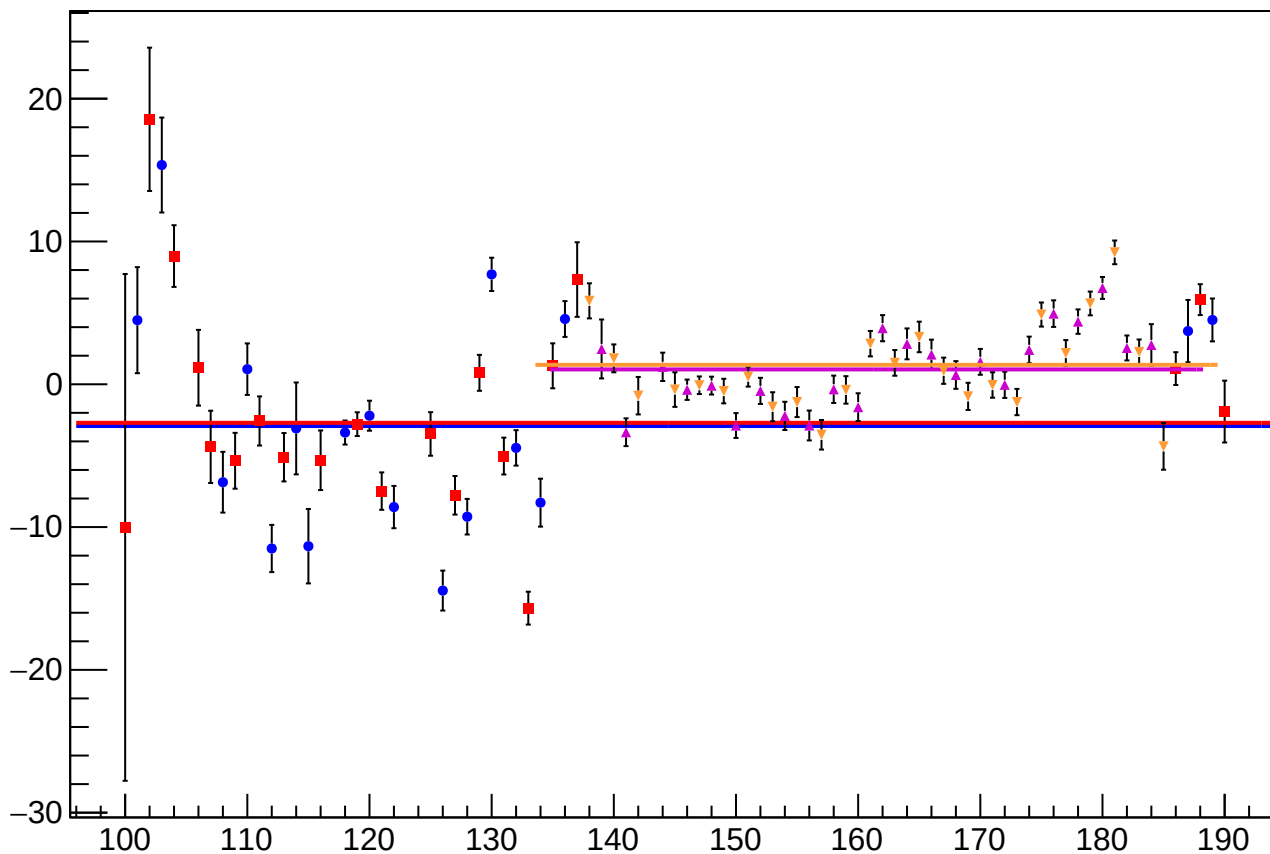
Left In: -8.689 ± 0.248 χ^2/NDF : 5021.6/22

+ sign -14.573 ± 0.196 χ^2/NDF : 7538.7/41

All: -14.162 ± 0.136 χ^2/NDF : 15465.3/85

- sign -13.778 ± 0.190 χ^2/NDF : 7918.1/43

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -2.924 ± 0.348 χ^2/NDF : 353.4/17

Left Out: 1.361 ± 0.188 χ^2/NDF : 240.3/23

Right Out: -2.699 ± 0.331 χ^2/NDF : 317.1/20

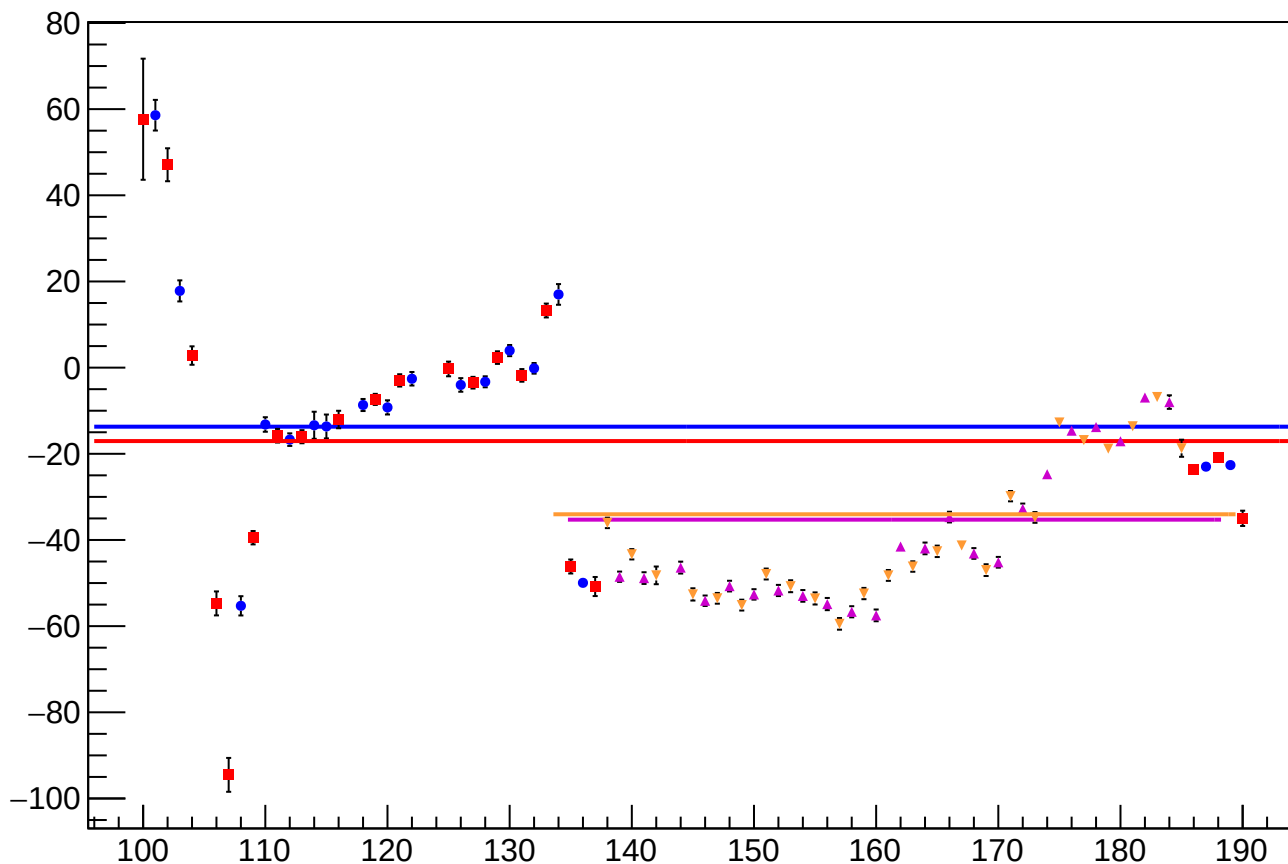
Left In: 1.041 ± 0.192 χ^2/NDF : 196.1/22

+ sign 0.390 ± 0.166 χ^2/NDF : 711.1/41

All: 0.245 ± 0.117 χ^2/NDF : 1321.1/85

- sign 0.098 ± 0.166 χ^2/NDF : 608.4/43

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -13.705 ± 0.362 $\chi^2/\text{NDF}: 2825.3/17$

Left Out: -34.036 ± 0.243 $\chi^2/\text{NDF}: 4965.7/23$

Right Out: -17.045 ± 0.307 $\chi^2/\text{NDF}: 2946.1/20$

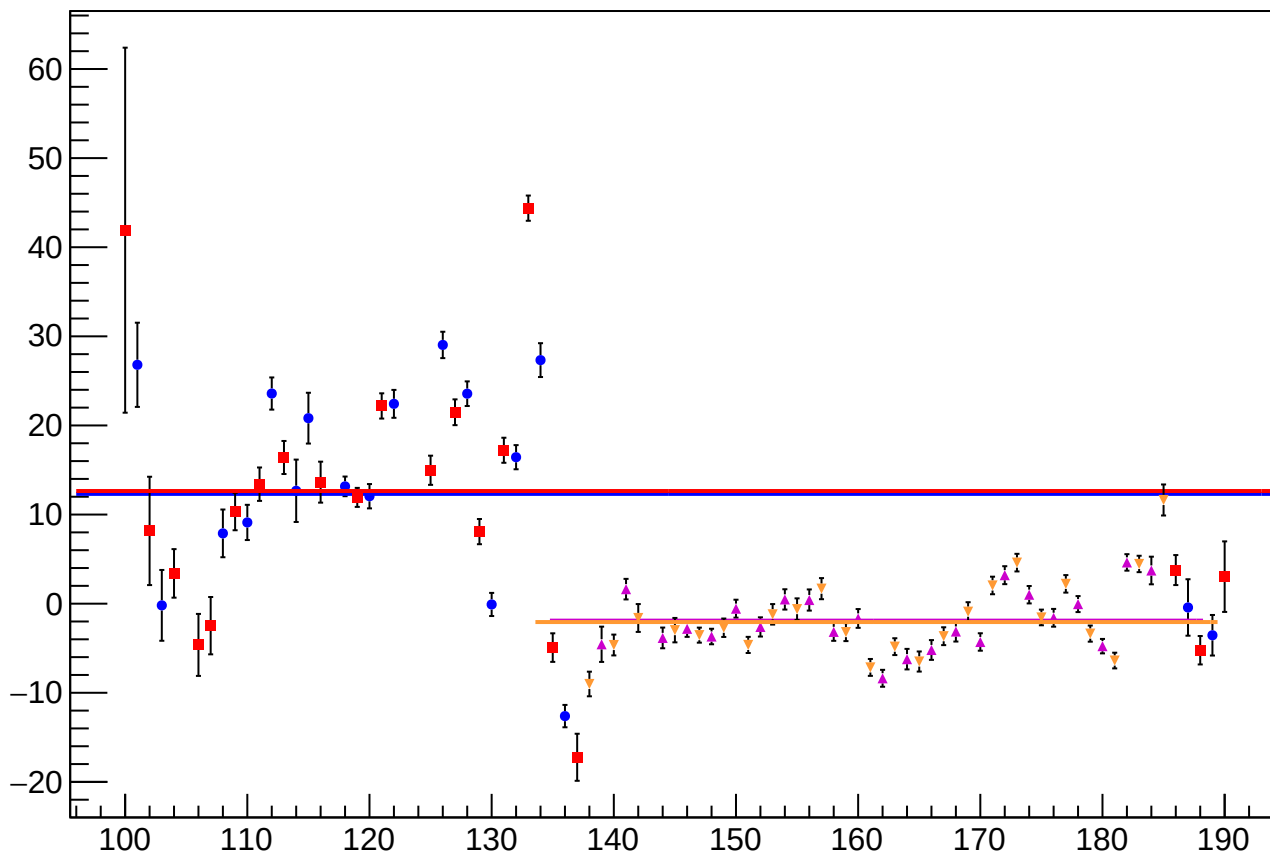
Left In: -35.285 ± 0.245 $\chi^2/\text{NDF}: 4998.0/22$

+ sign -27.729 ± 0.201 $\chi^2/\text{NDF}: 9970.7/41$

All: -27.965 ± 0.139 $\chi^2/\text{NDF}: 20069.2/85$

- sign -28.179 ± 0.192 $\chi^2/\text{NDF}: 10095.8/43$

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 12.321 $\pm$ 0.405 χ^2 /NDF: 931.4/17

Left Out: -2.062 $\pm$ 0.212 χ^2 /NDF: 332.4/23

Right Out: 12.641 $\pm$ 0.395 χ^2 /NDF: 1083.0/20

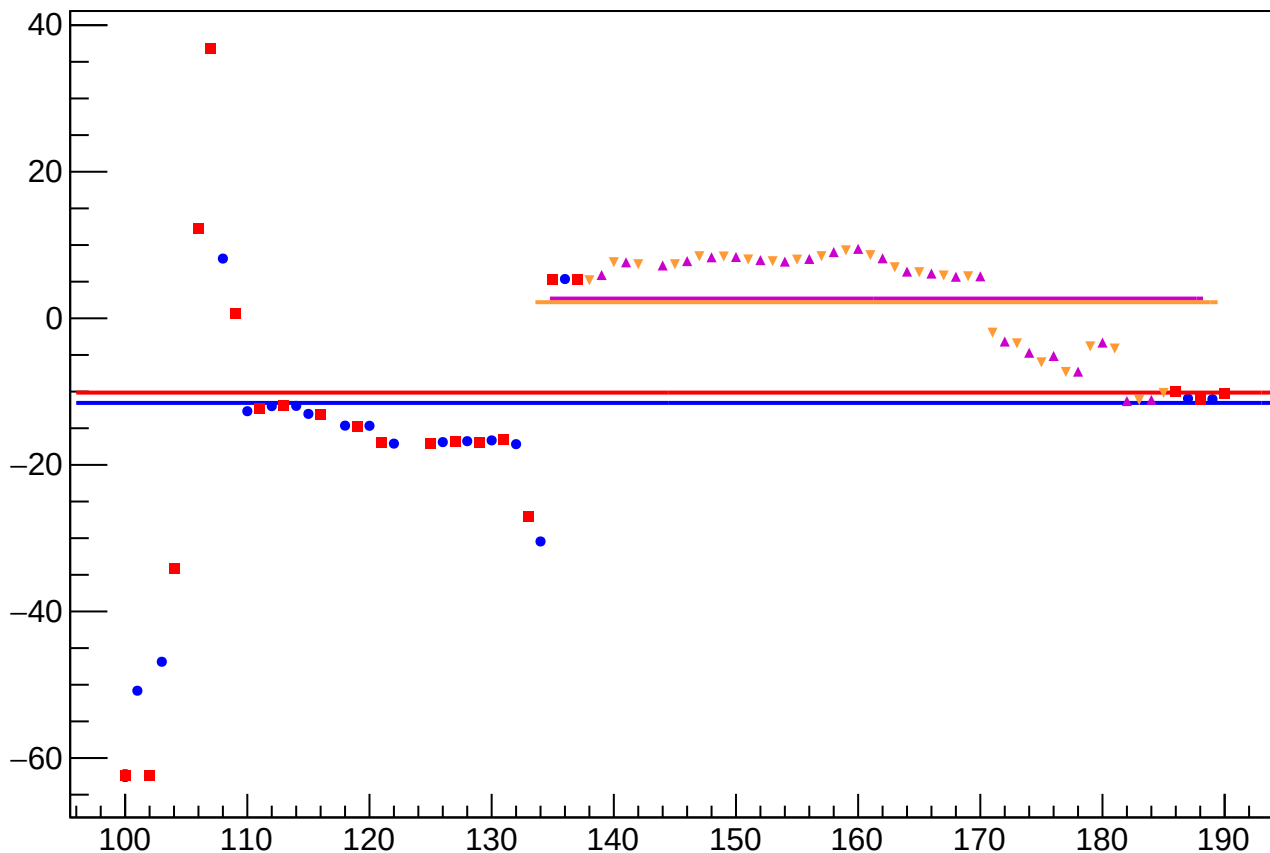
Left In: -1.905 $\pm$ 0.216 χ^2 /NDF: 222.1/22

+ sign 1.041 $\pm$ 0.188 χ^2 /NDF: 2254.5/41

All: 1.243 $\pm$ 0.133 χ^2 /NDF: 4605.8/85

- sign 1.449 $\pm$ 0.190 χ^2 /NDF: 2348.9/43

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -11.542 ± 0.025 $\chi^2/\text{NDF}: 360568.6/17$

Left Out: 2.198 ± 0.009 $\chi^2/\text{NDF}: 508502.1/23$

Right Out: -10.135 ± 0.025 $\chi^2/\text{NDF}: 396465.1/20$

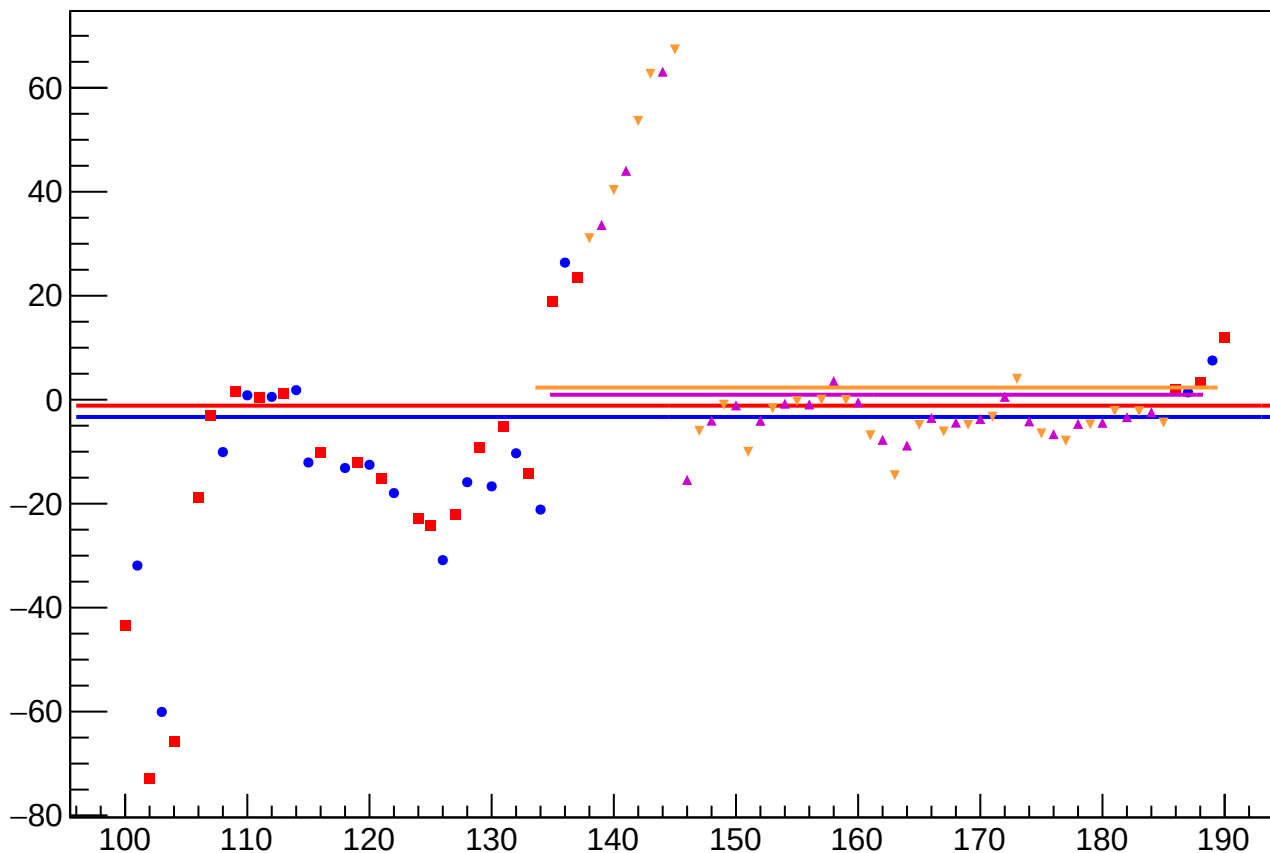
Left In: 2.694 ± 0.010 $\chi^2/\text{NDF}: 498824.3/22$

+ sign 0.475 ± 0.009 $\chi^2/\text{NDF}: 1131672.3/41$

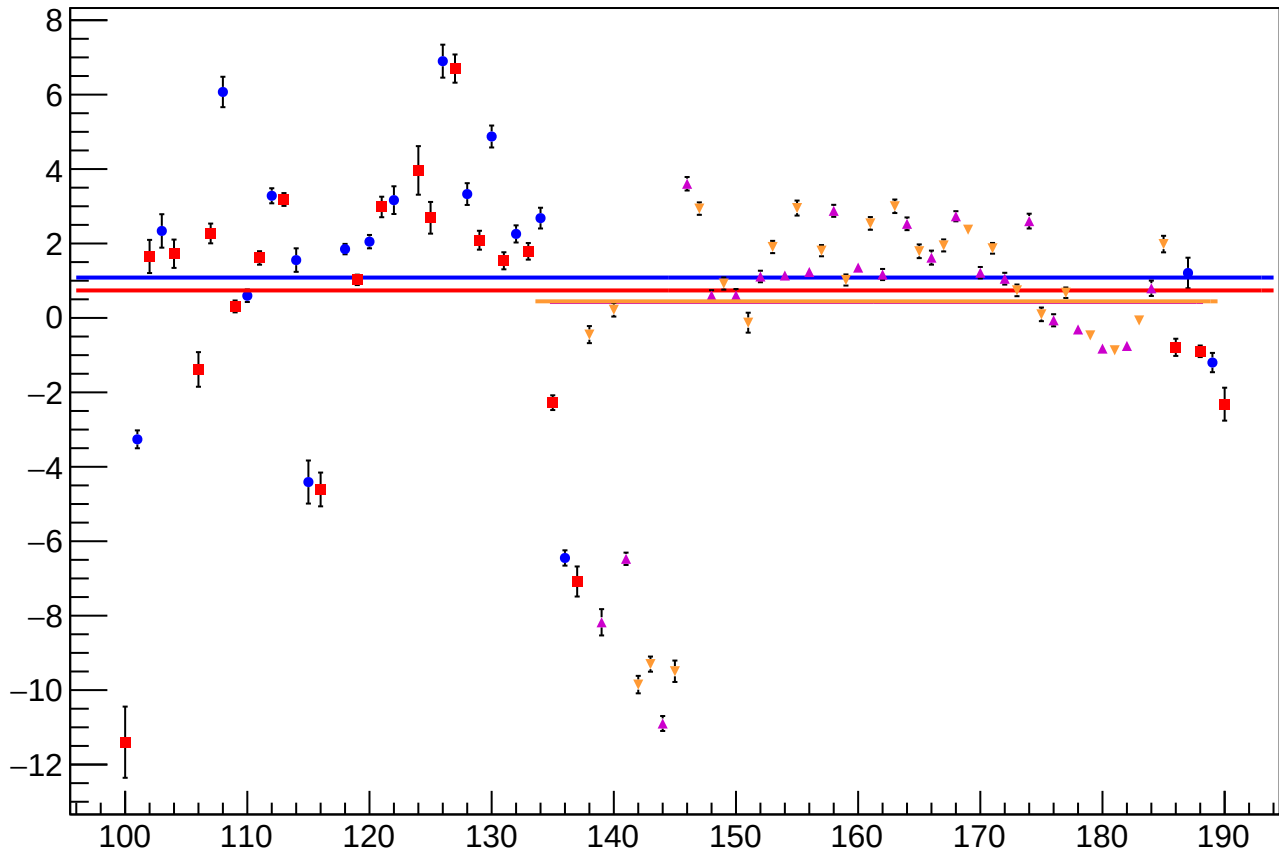
All: 0.753 ± 0.006 $\chi^2/\text{NDF}: 2262340.0/85$

- sign 1.034 ± 0.009 $\chi^2/\text{NDF}: 1128694.1/43$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.085 ± 0.058 χ^2/NDF : 2666.2/17

Left Out: 0.446 ± 0.033 χ^2/NDF : 7044.3/24

Right Out: 0.738 ± 0.052 χ^2/NDF : 1831.0/21

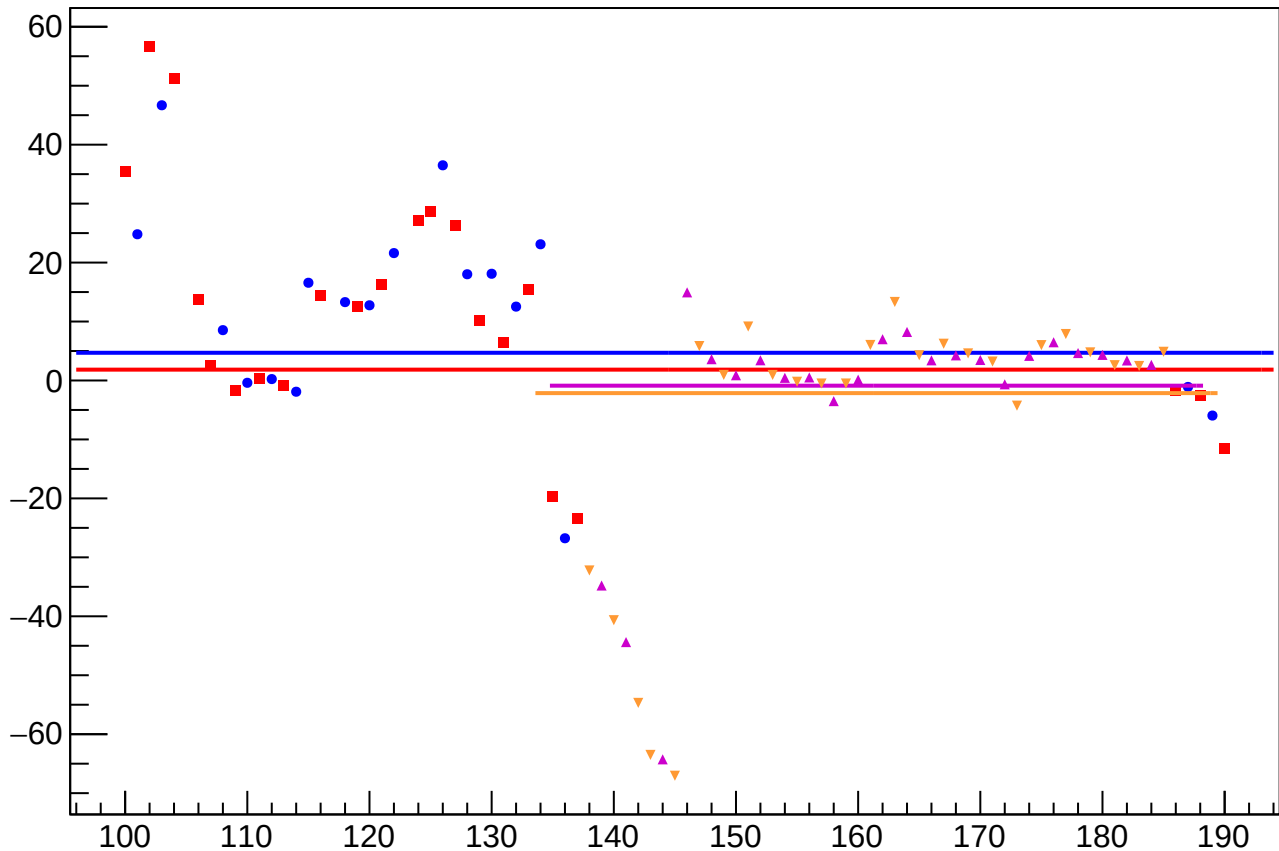
Left In: 0.427 ± 0.031 χ^2/NDF : 7102.3/22

+ sign 0.600 ± 0.029 χ^2/NDF : 9801.7/42

All: 0.553 ± 0.020 χ^2/NDF : 18766.5/87

- sign 0.511 ± 0.027 χ^2/NDF : 8959.6/44

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 4.700 $\pm$ 0.059 χ^2 /NDF: 75123.3/17

Left Out: -2.143 $\pm$ 0.040 χ^2 /NDF: 171271.2/24

Right Out: 1.840 $\pm$ 0.046 χ^2 /NDF: 82428.5/21

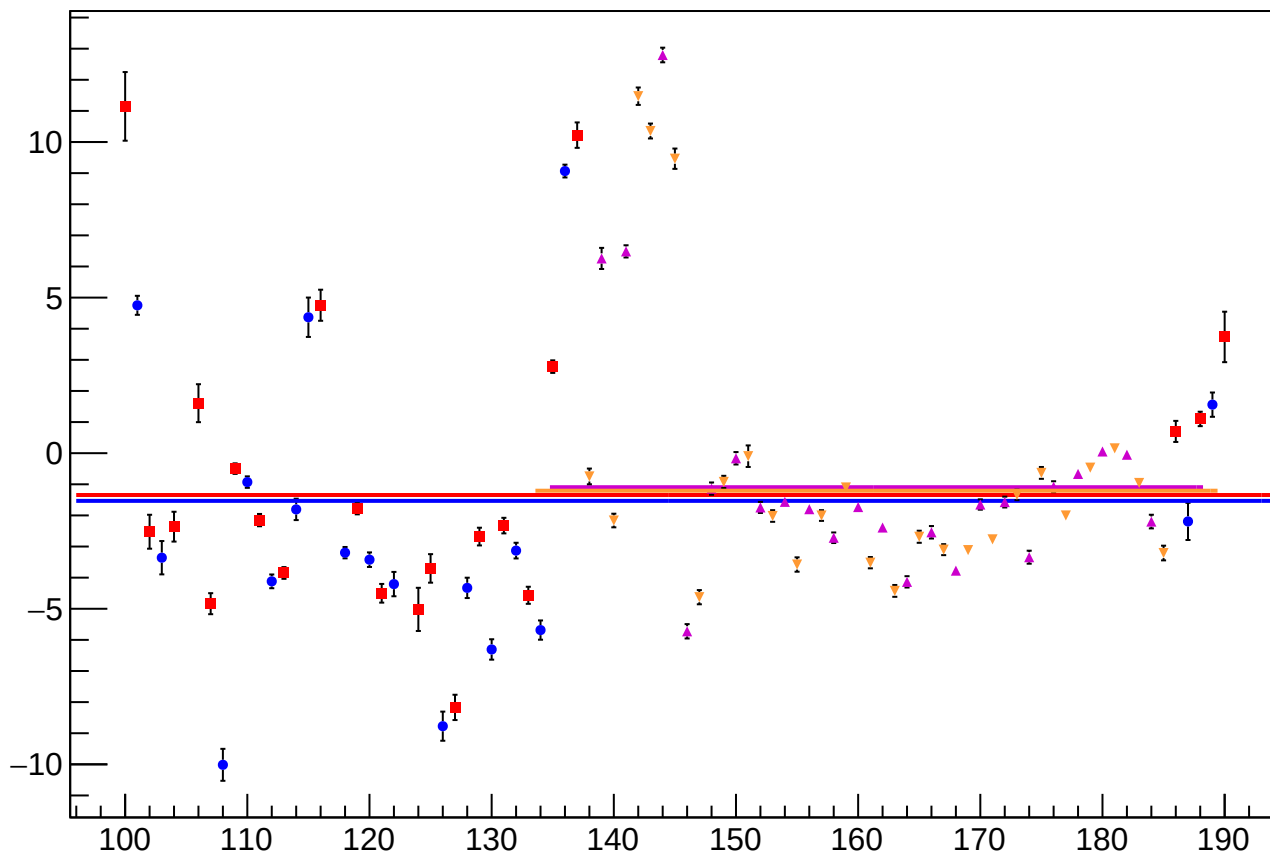
Left In: -0.881 $\pm$ 0.039 χ^2 /NDF: 129197.8/22

+ sign 0.017 $\pm$ 0.033 χ^2 /NDF: 255514.2/42

All: 0.158 $\pm$ 0.022 χ^2 /NDF: 469197.6/87

- sign 0.271 $\pm$ 0.030 χ^2 /NDF: 213651.2/44

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.532 ± 0.068 χ^2/NDF : 4590.9/17

Left Out: -1.206 ± 0.036 χ^2/NDF : 7003.0/24

Right Out: -1.344 ± 0.061 χ^2/NDF : 2670.0/21

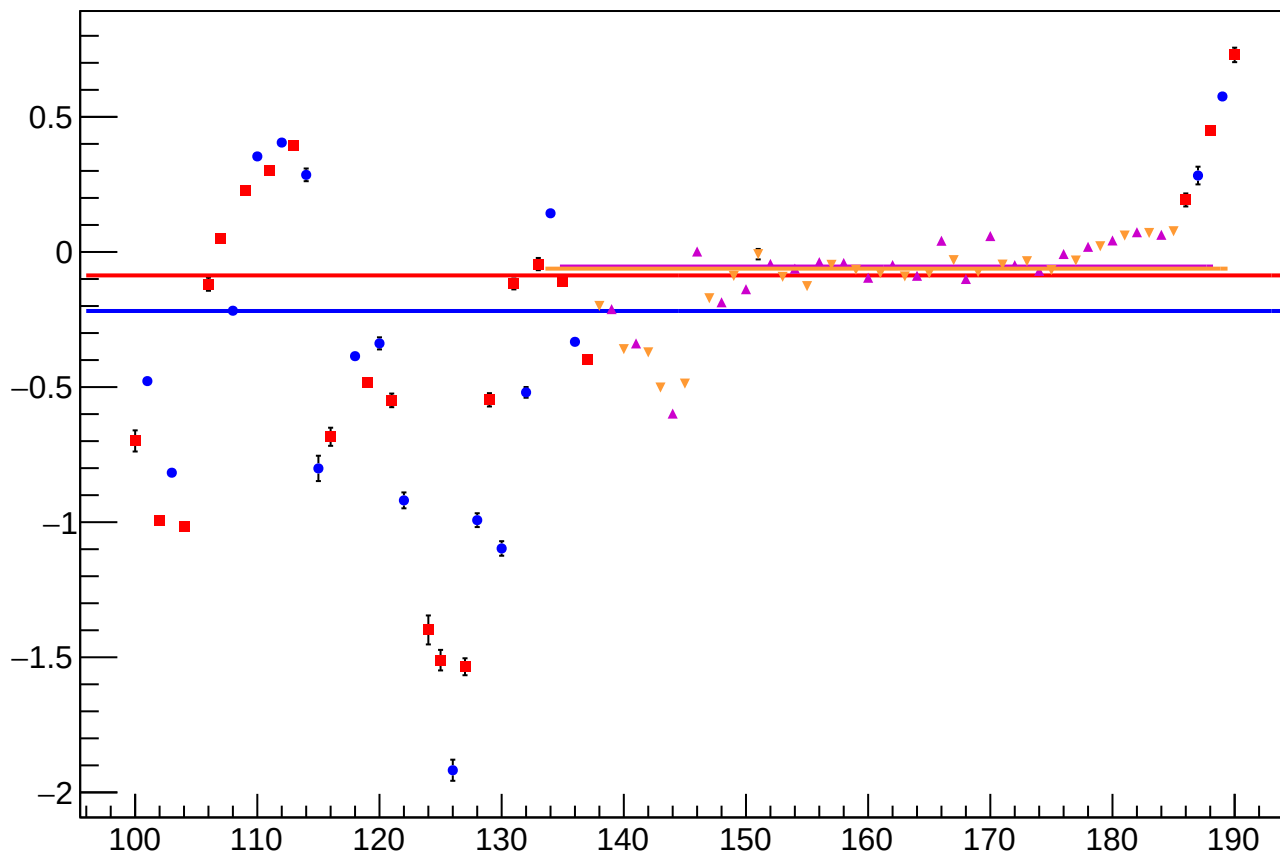
Left In: -1.094 ± 0.035 χ^2/NDF : 7029.2/22

+ sign -1.278 ± 0.032 χ^2/NDF : 11611.8/42

All: -1.213 ± 0.022 χ^2/NDF : 21331.5/87

- sign -1.155 ± 0.030 χ^2/NDF : 9711.9/44

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.218 ± 0.004 χ^2/NDF : 14531.0/17

Left Out: -0.062 ± 0.002 χ^2/NDF : 5711.9/24

Right Out: -0.087 ± 0.004 χ^2/NDF : 18998.7/21

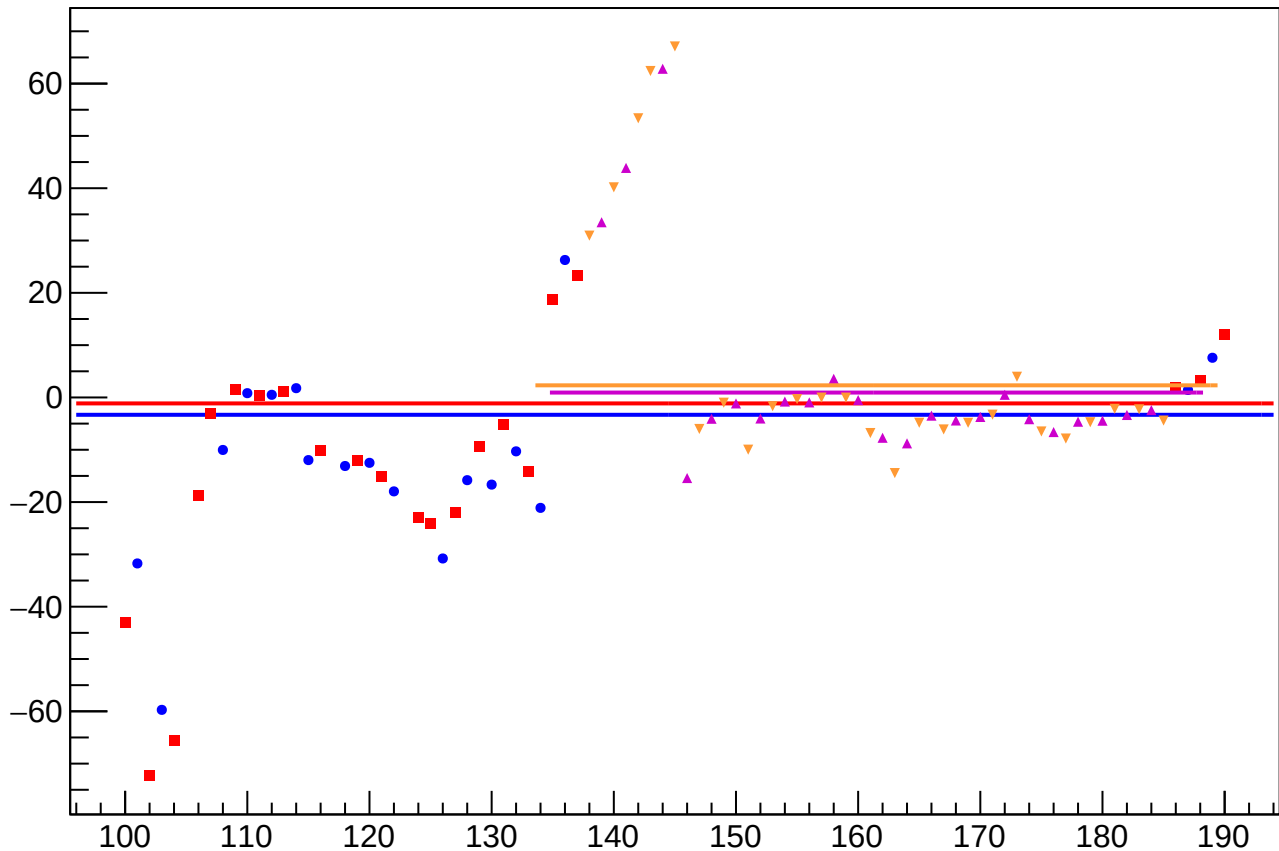
Left In: -0.054 ± 0.001 χ^2/NDF : 5029.9/22

+ sign -0.083 ± 0.001 χ^2/NDF : 21563.3/42

All: -0.070 ± 0.001 χ^2/NDF : 45806.6/87

- sign -0.059 ± 0.001 χ^2/NDF : 24101.4/44

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -3.315 ± 0.052 $\chi^2/\text{NDF}: 78044.8/17$

Left Out: 2.318 ± 0.040 $\chi^2/\text{NDF}: 176746.3/24$

Right Out: -1.139 ± 0.041 $\chi^2/\text{NDF}: 84751.6/21$

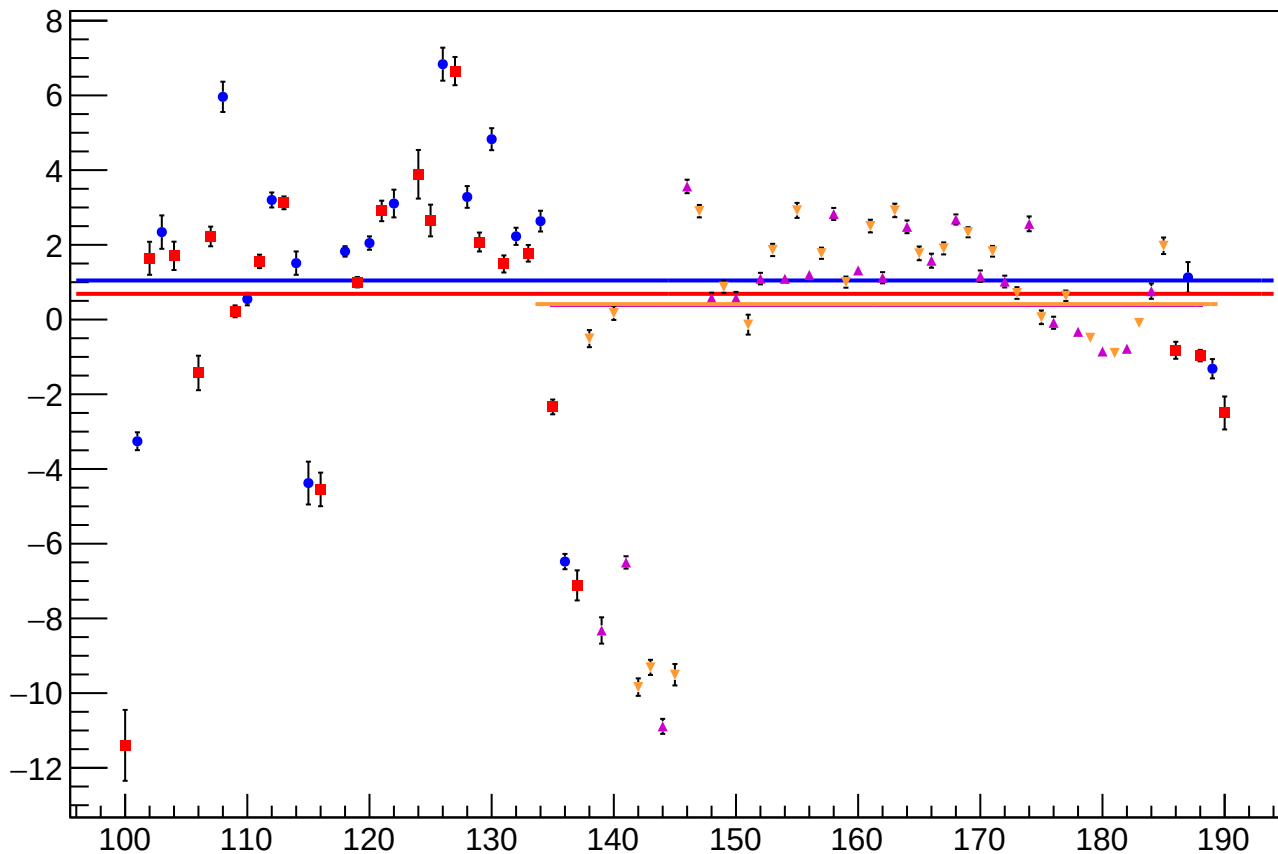
Left In: 0.935 ± 0.040 $\chi^2/\text{NDF}: 132405.3/22$

+ sign 0.203 ± 0.032 $\chi^2/\text{NDF}: 262187.2/42$

All: 0.047 ± 0.021 $\chi^2/\text{NDF}: 480714.0/87$

- sign -0.079 ± 0.028 $\chi^2/\text{NDF}: 218483.1/44$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.046 ± 0.058 χ^2/NDF : 2672.7/17

Left Out: 0.414 ± 0.033 χ^2/NDF : 7047.2/24

Right Out: 0.688 ± 0.052 χ^2/NDF : 1851.9/21

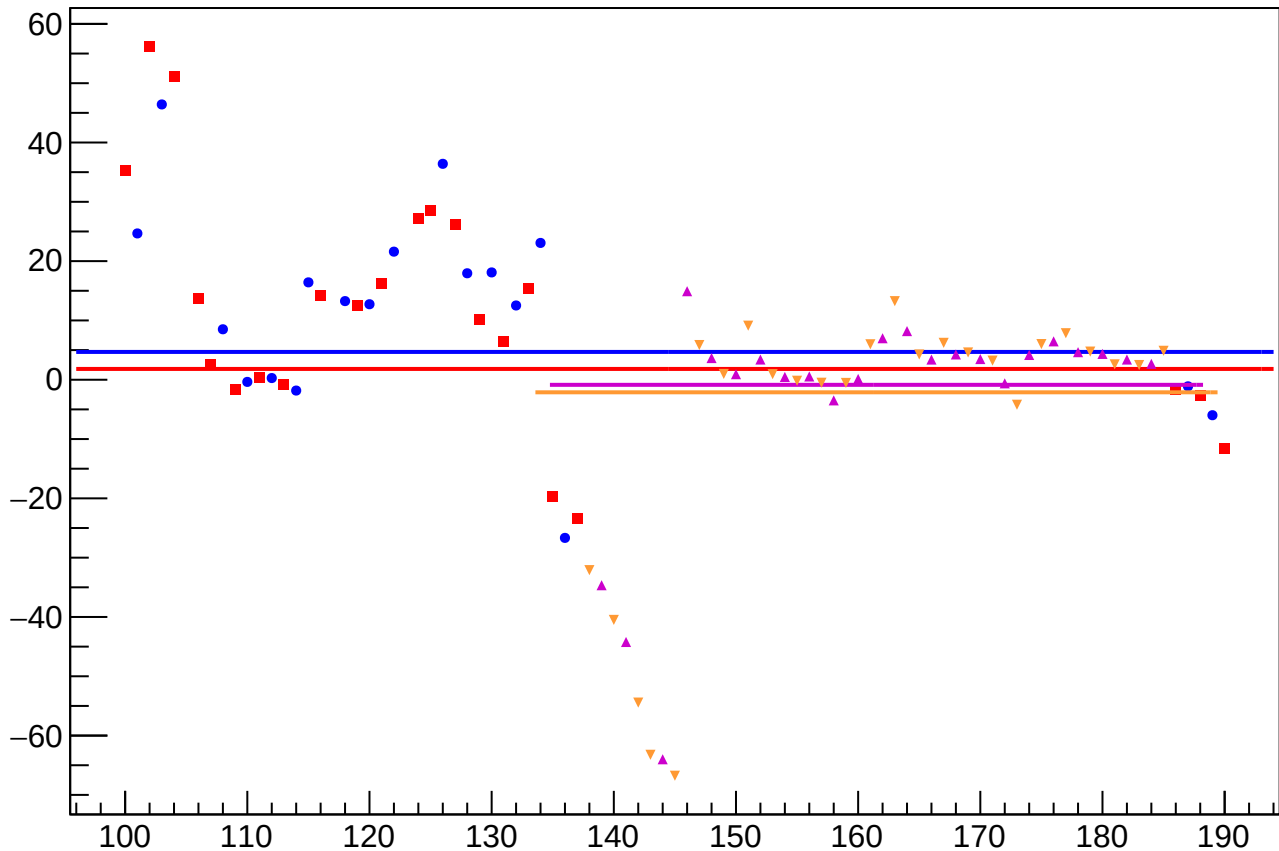
Left In: 0.389 ± 0.031 χ^2/NDF : 7114.2/22

+ sign 0.567 ± 0.029 χ^2/NDF : 9810.2/42

All: 0.515 ± 0.020 χ^2/NDF : 18807.0/87

- sign 0.470 ± 0.027 χ^2/NDF : 8990.6/44

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 4.690 $\pm$ 0.059 χ^2 /NDF: 75137.4/17

Left Out: -2.119 $\pm$ 0.040 χ^2 /NDF: 171039.7/24

Right Out: 1.822 $\pm$ 0.046 χ^2 /NDF: 82414.4/21

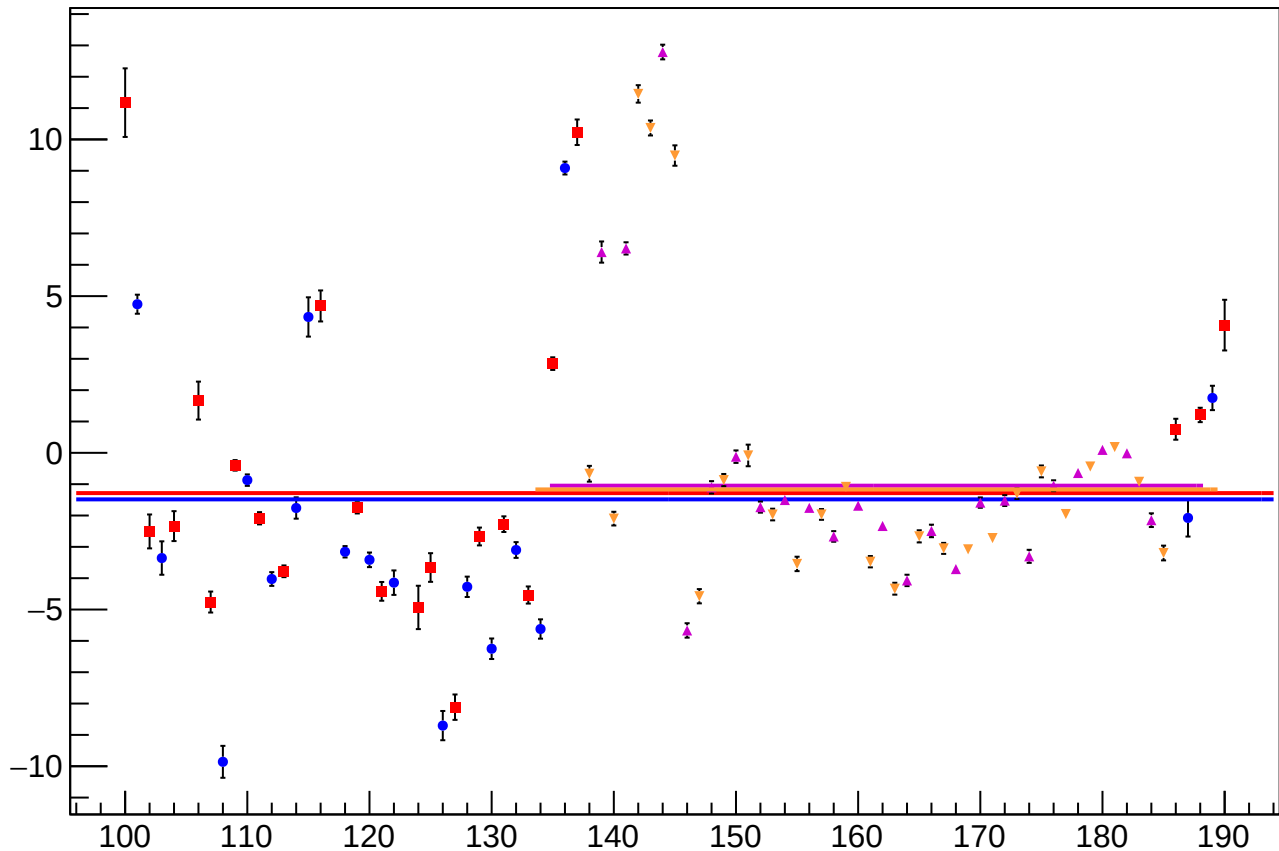
Left In: -0.859 $\pm$ 0.039 χ^2 /NDF: 129084.9/22

+ sign 0.035 $\pm$ 0.033 χ^2 /NDF: 255292.1/42

All: 0.173 $\pm$ 0.022 χ^2 /NDF: 468811.0/87

- sign 0.284 $\pm$ 0.030 χ^2 /NDF: 213487.9/44

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.485 ± 0.068 χ^2/NDF : 4596.5/17

Left Out: -1.167 ± 0.036 χ^2/NDF : 7001.4/24

Right Out: -1.285 ± 0.061 χ^2/NDF : 2693.8/21

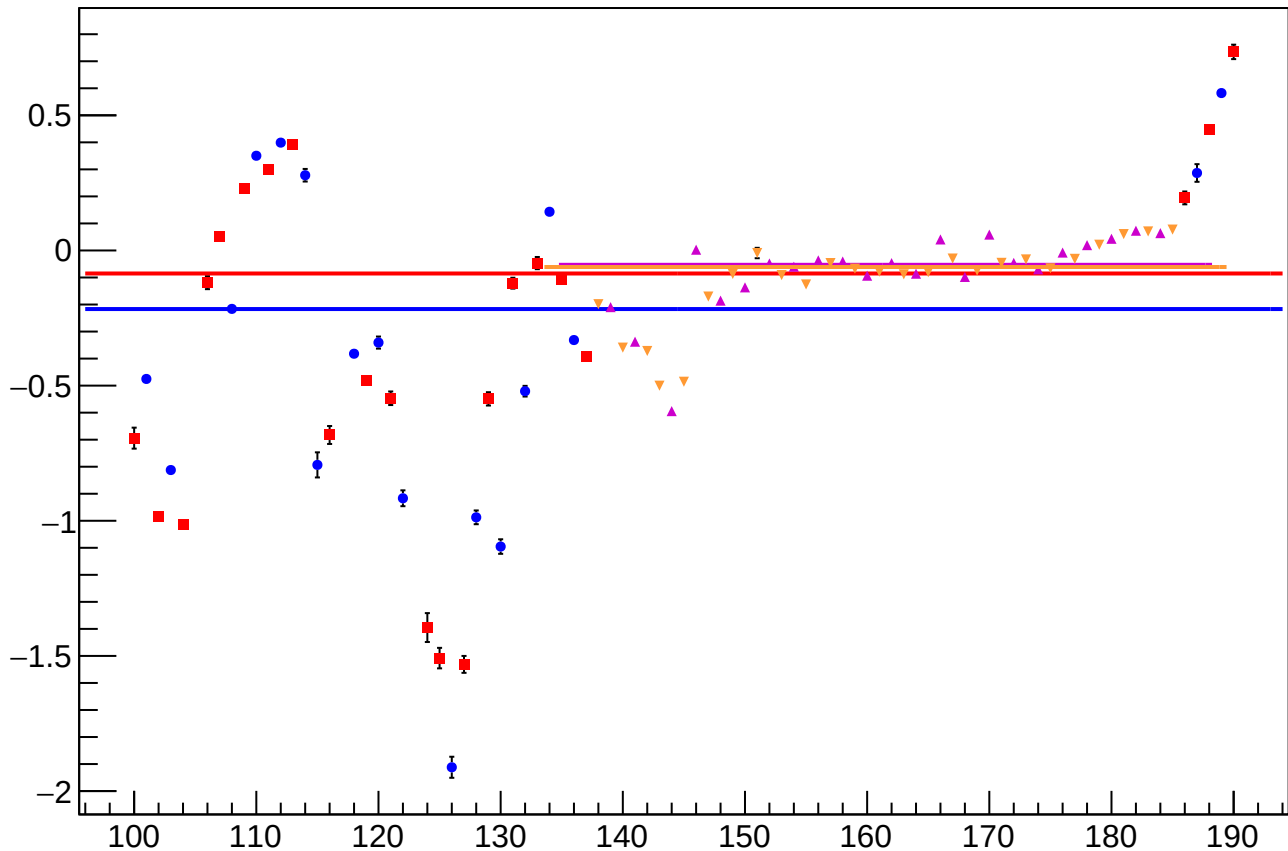
Left In: -1.048 ± 0.035 χ^2/NDF : 7040.7/22

+ sign -1.238 ± 0.032 χ^2/NDF : 11615.0/42

All: -1.169 ± 0.022 χ^2/NDF : 21369.9/87

- sign -1.107 ± 0.030 χ^2/NDF : 9746.0/44

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.217 ± 0.004 χ^2/NDF : 14571.0/17

Left Out: -0.061 ± 0.002 χ^2/NDF : 5729.4/24

Right Out: -0.085 ± 0.004 χ^2/NDF : 19052.6/21

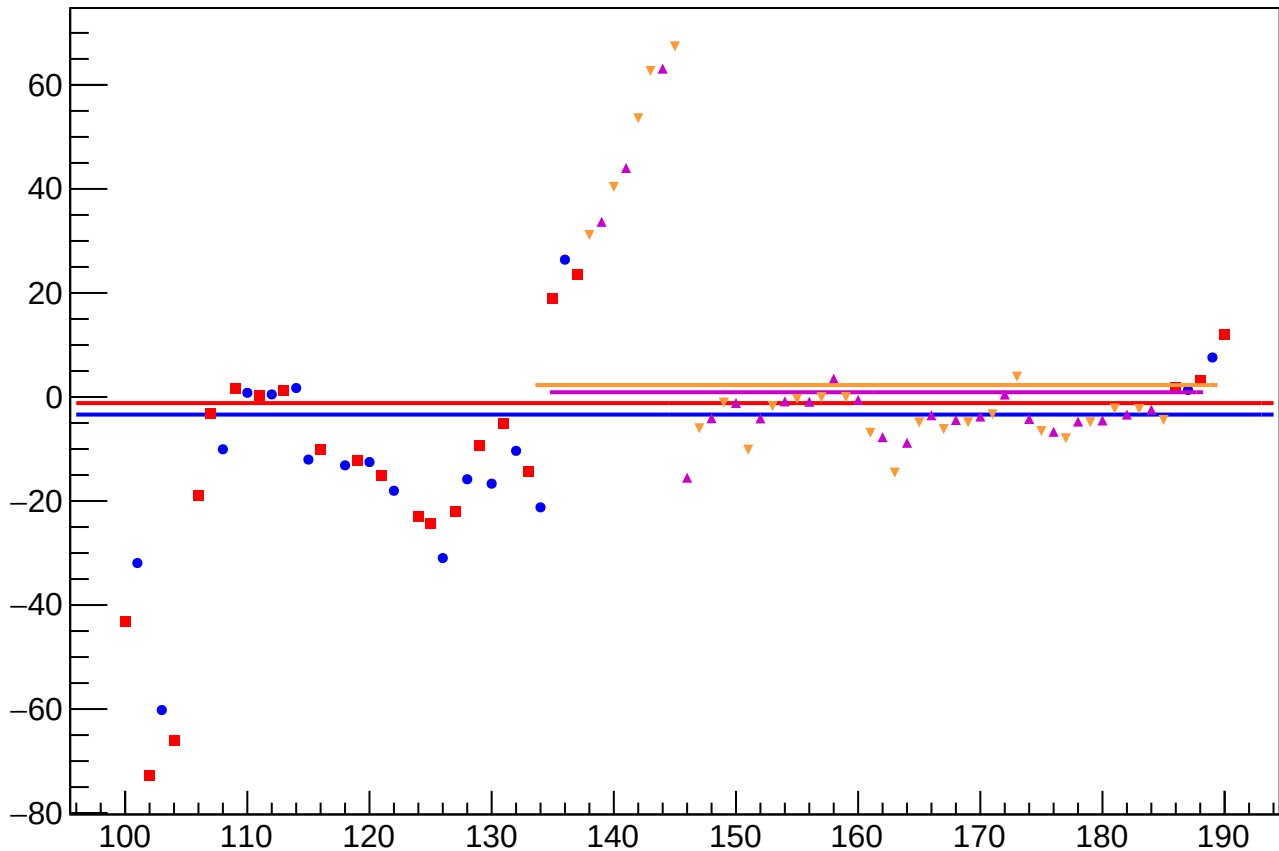
Left In: -0.053 ± 0.001 χ^2/NDF : 5006.2/22

+ sign -0.082 ± 0.001 χ^2/NDF : 21613.4/42

All: -0.069 ± 0.001 χ^2/NDF : 45889.2/87

- sign -0.058 ± 0.001 χ^2/NDF : 24129.1/44

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -3.383 ± 0.052 $\chi^2/\text{NDF}: 78028.5/17$

Left Out: 2.296 ± 0.040 $\chi^2/\text{NDF}: 177186.2/24$

Right Out: -1.173 ± 0.041 $\chi^2/\text{NDF}: 84790.0/21$

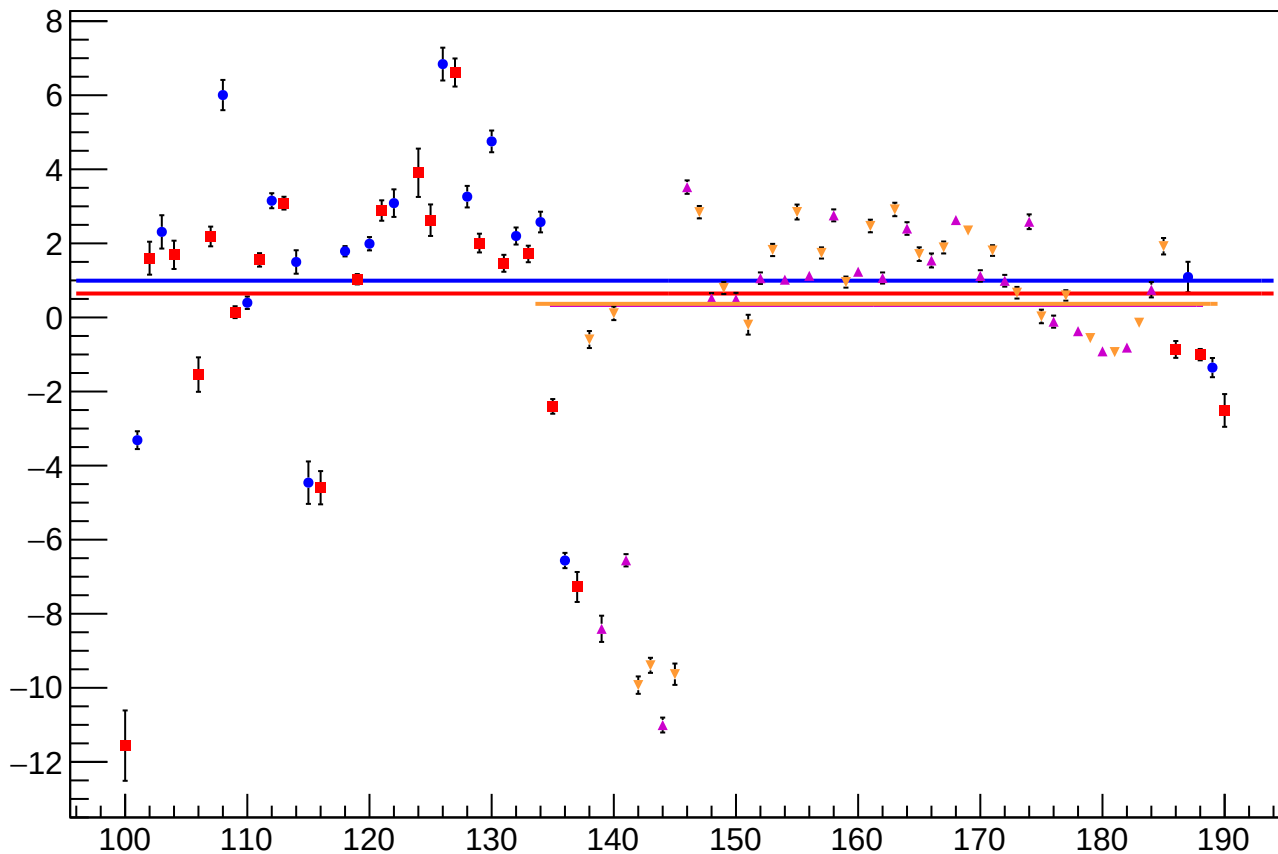
Left In: 0.912 ± 0.040 $\chi^2/\text{NDF}: 132573.8/22$

+ sign 0.170 ± 0.032 $\chi^2/\text{NDF}: 262647.7/42$

All: 0.018 ± 0.021 $\chi^2/\text{NDF}: 481381.4/87$

- sign -0.105 ± 0.029 $\chi^2/\text{NDF}: 218692.4/44$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.993+/-0.058 χ^2/NDF : 2677.9/17

Left Out: 0.368+/-0.033 χ^2/NDF : 7068.0/24

Right Out: 0.646+/-0.052 χ^2/NDF : 1866.5/21

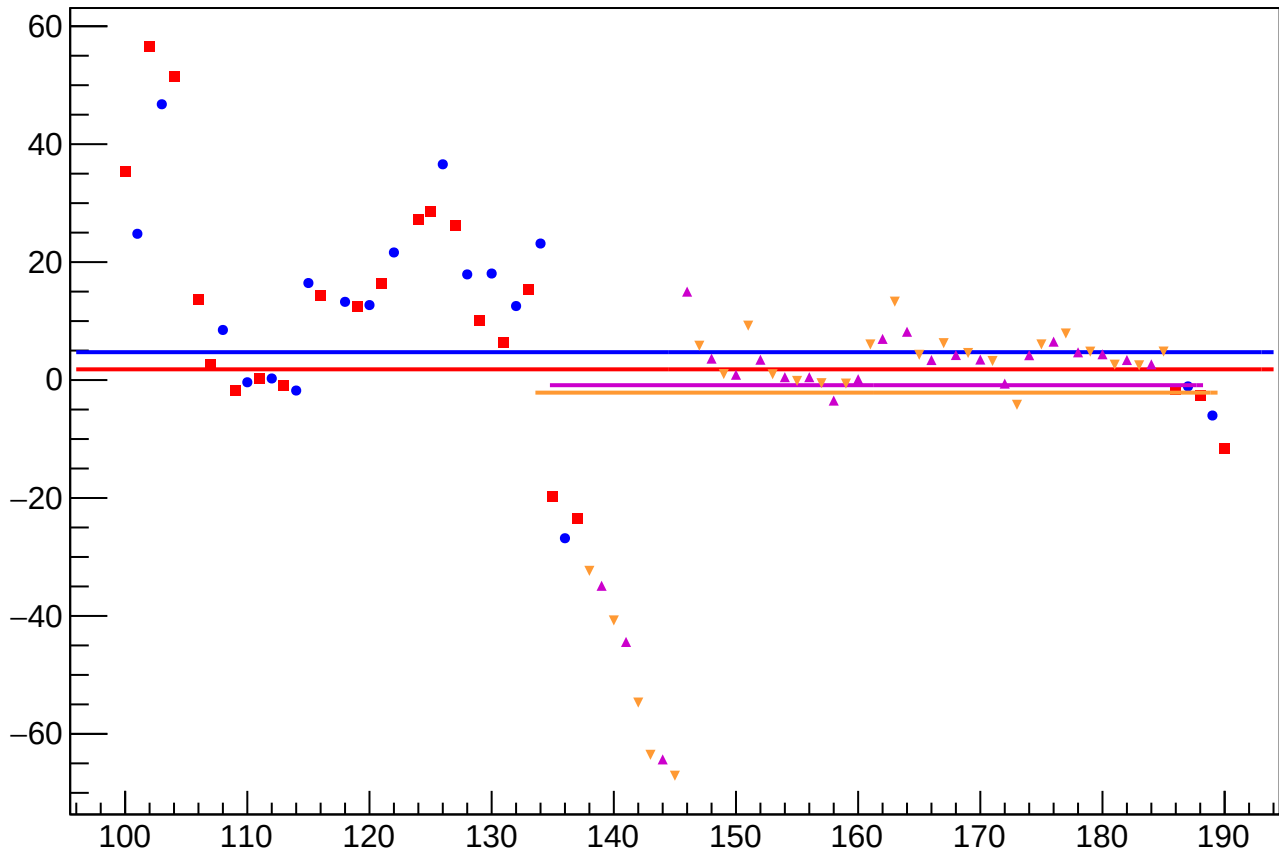
Left In: 0.337+/-0.031 χ^2/NDF : 7094.3/22

+ sign 0.519+/-0.029 χ^2/NDF : 9833.3/42

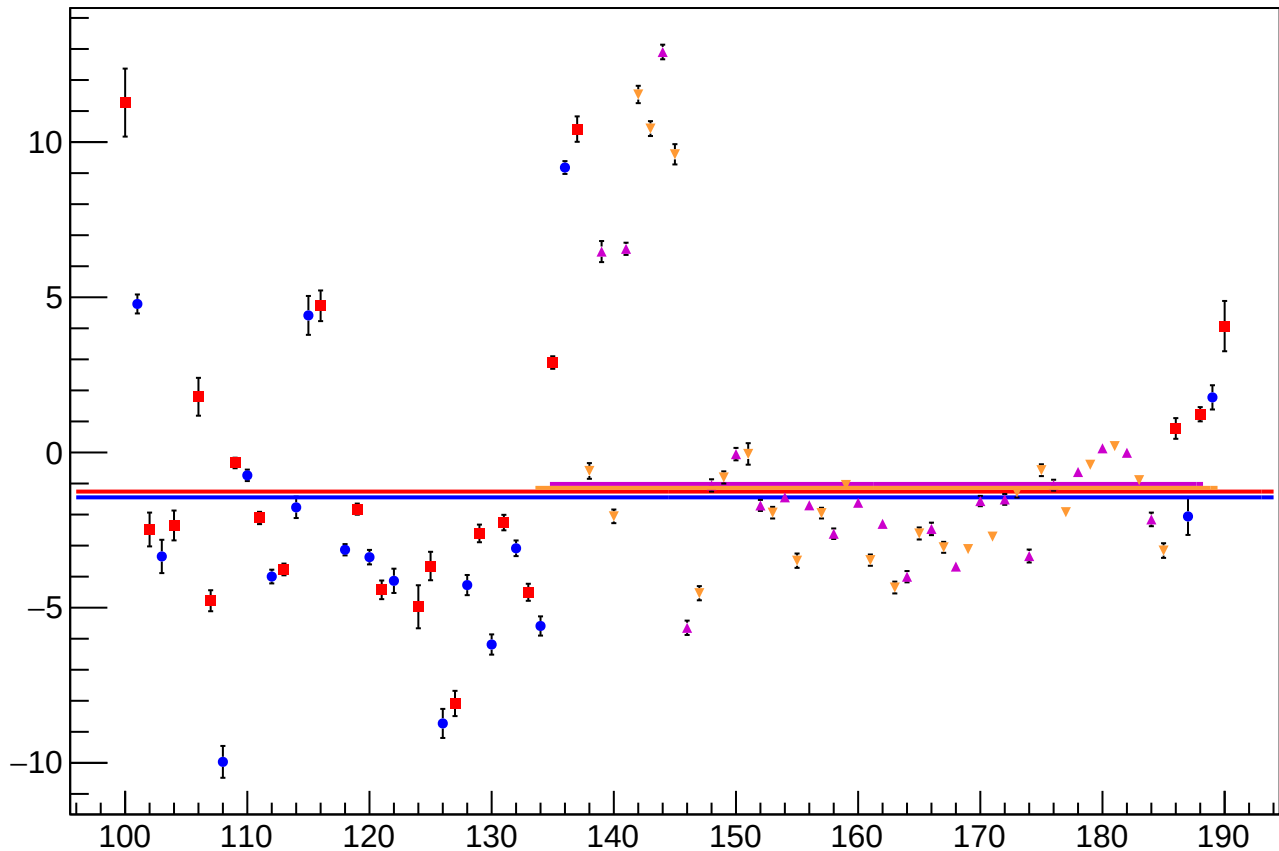
All: 0.466+/-0.020 χ^2/NDF : 18826.5/87

- sign 0.420+/-0.027 χ^2/NDF : 8986.9/44

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.446 ± 0.068 $\chi^2/\text{NDF}: 4606.8/17$

Left Out: -1.140 ± 0.036 $\chi^2/\text{NDF}: 7022.9/24$

Right Out: -1.260 ± 0.061 $\chi^2/\text{NDF}: 2718.2/21$

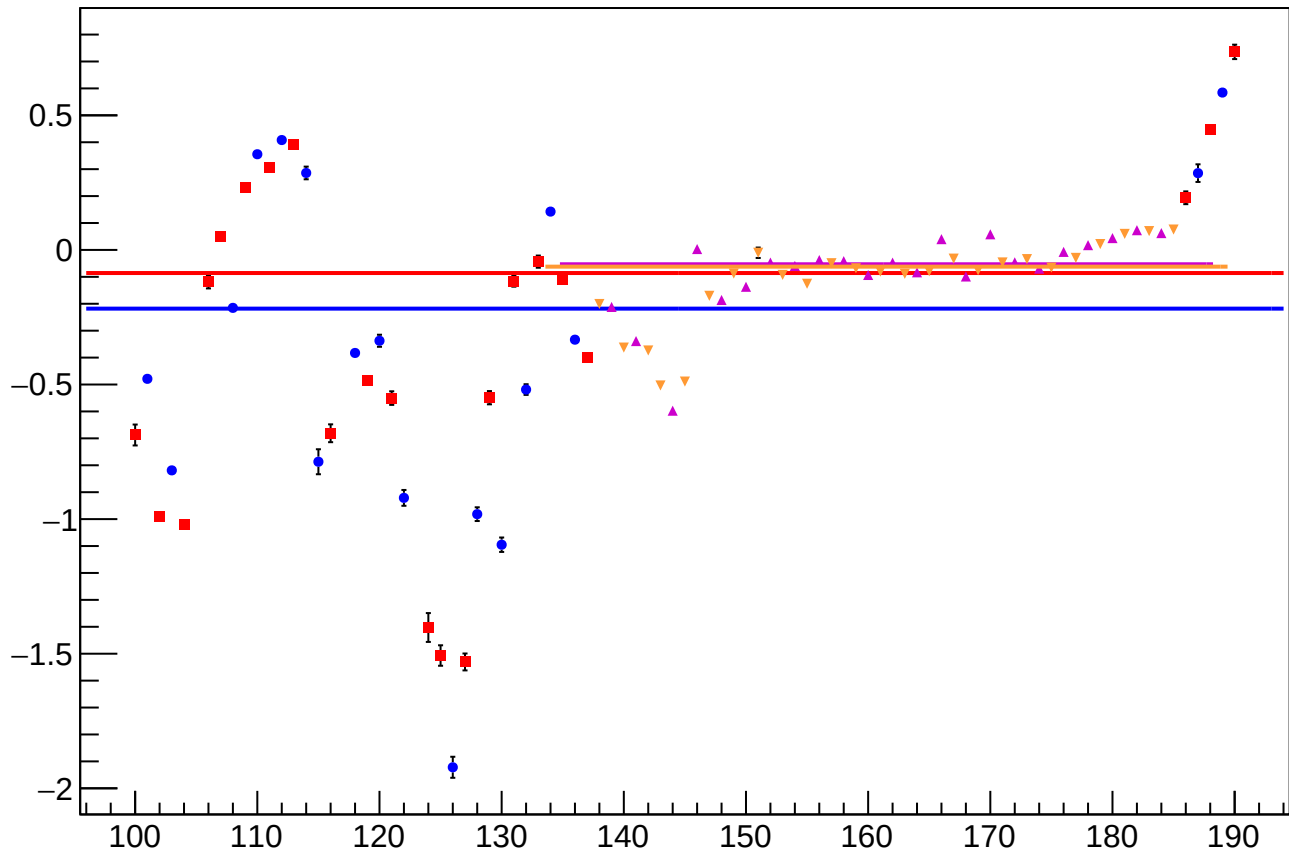
Left In: -1.013 ± 0.035 $\chi^2/\text{NDF}: 7027.2/22$

+ sign -1.208 ± 0.032 $\chi^2/\text{NDF}: 11645.5/42$

All: -1.137 ± 0.022 $\chi^2/\text{NDF}: 21412.4/87$

- sign -1.074 ± 0.030 $\chi^2/\text{NDF}: 9757.7/44$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.218 ± 0.004 χ^2/NDF : 14597.4/17

Left Out: -0.062 ± 0.002 χ^2/NDF : 5736.1/24

Right Out: -0.086 ± 0.004 χ^2/NDF : 19034.9/21

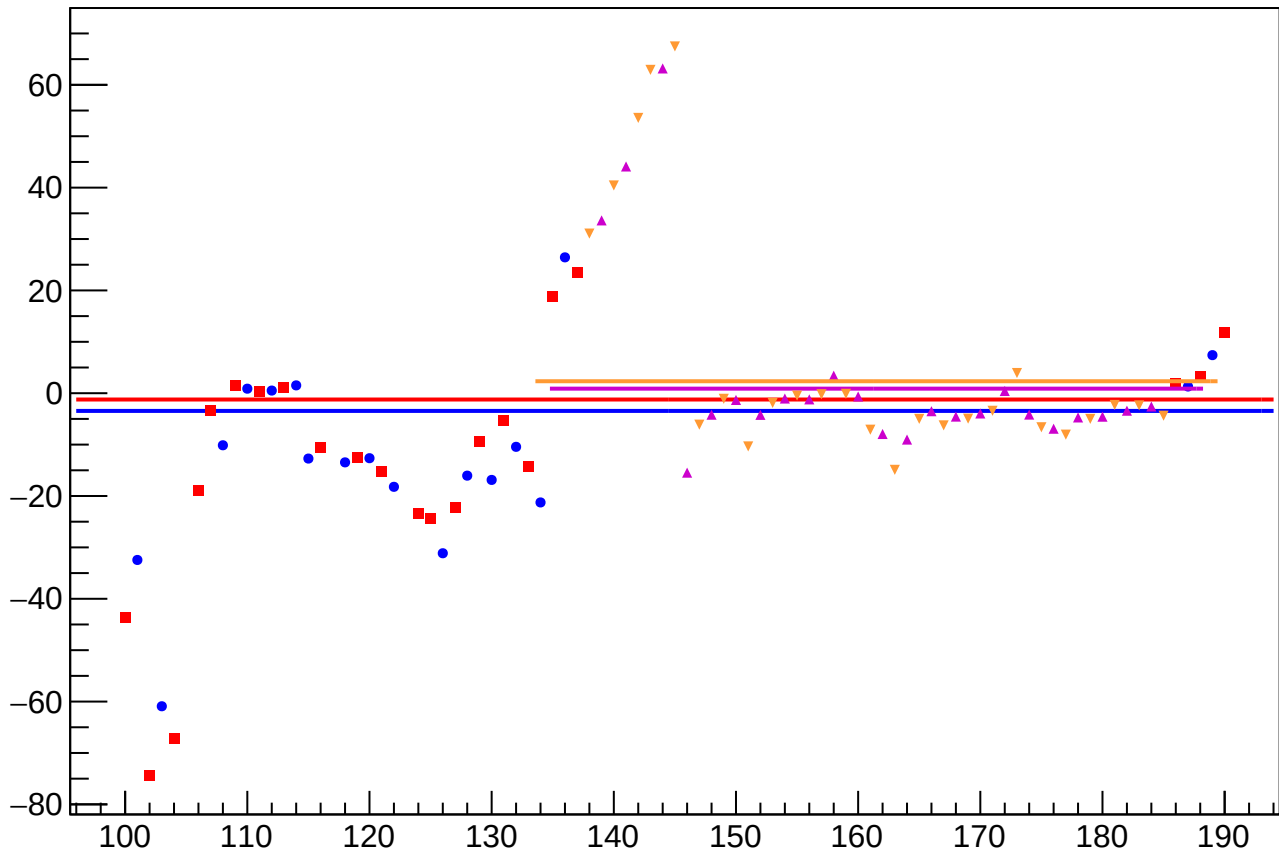
Left In: -0.053 ± 0.001 χ^2/NDF : 4993.7/22

+ sign -0.083 ± 0.001 χ^2/NDF : 21639.8/42

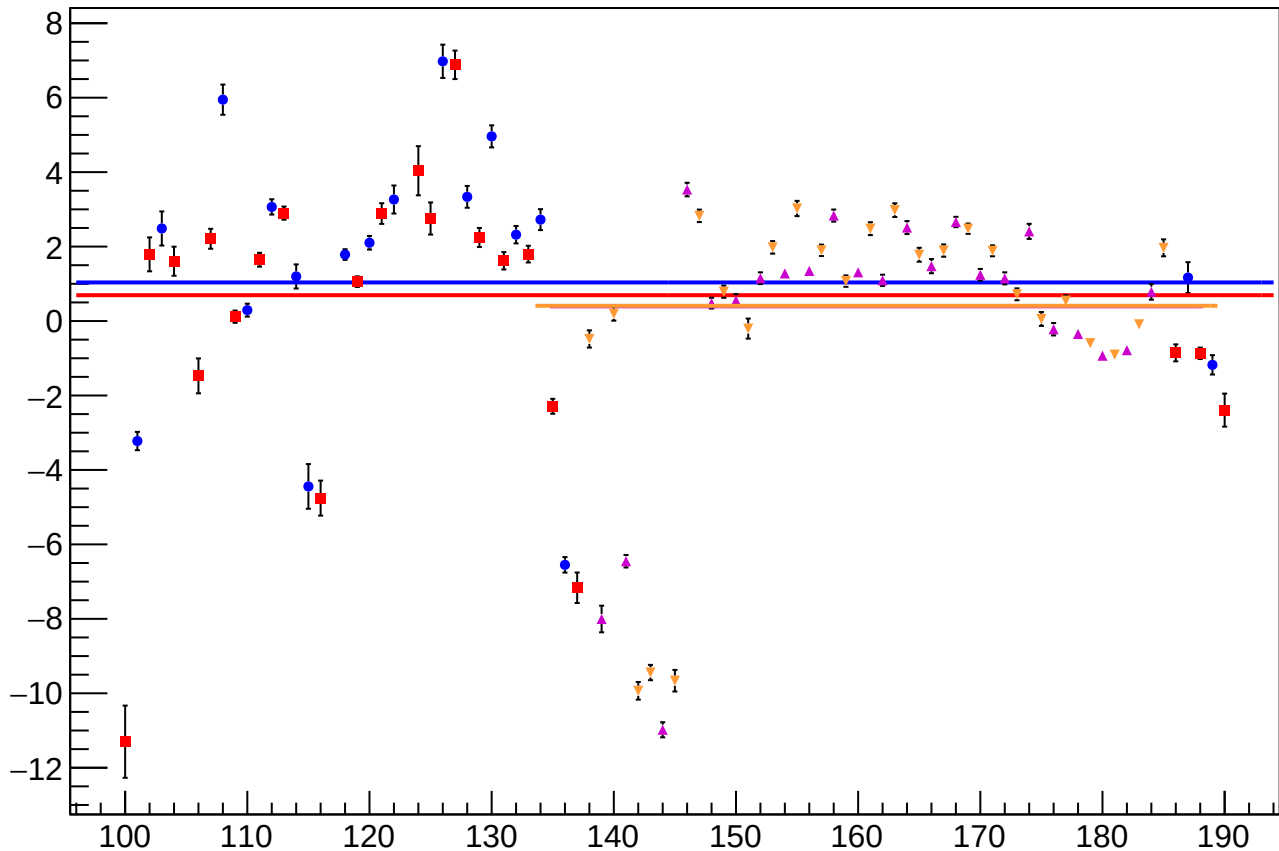
All: -0.070 ± 0.001 χ^2/NDF : 45893.2/87

- sign -0.058 ± 0.001 χ^2/NDF : 24100.1/44

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.037 ± 0.059 χ^2/NDF : 2626.4/17

Left Out: 0.410 ± 0.033 χ^2/NDF : 7047.9/24

Right Out: 0.694 ± 0.053 χ^2/NDF : 1790.2/21

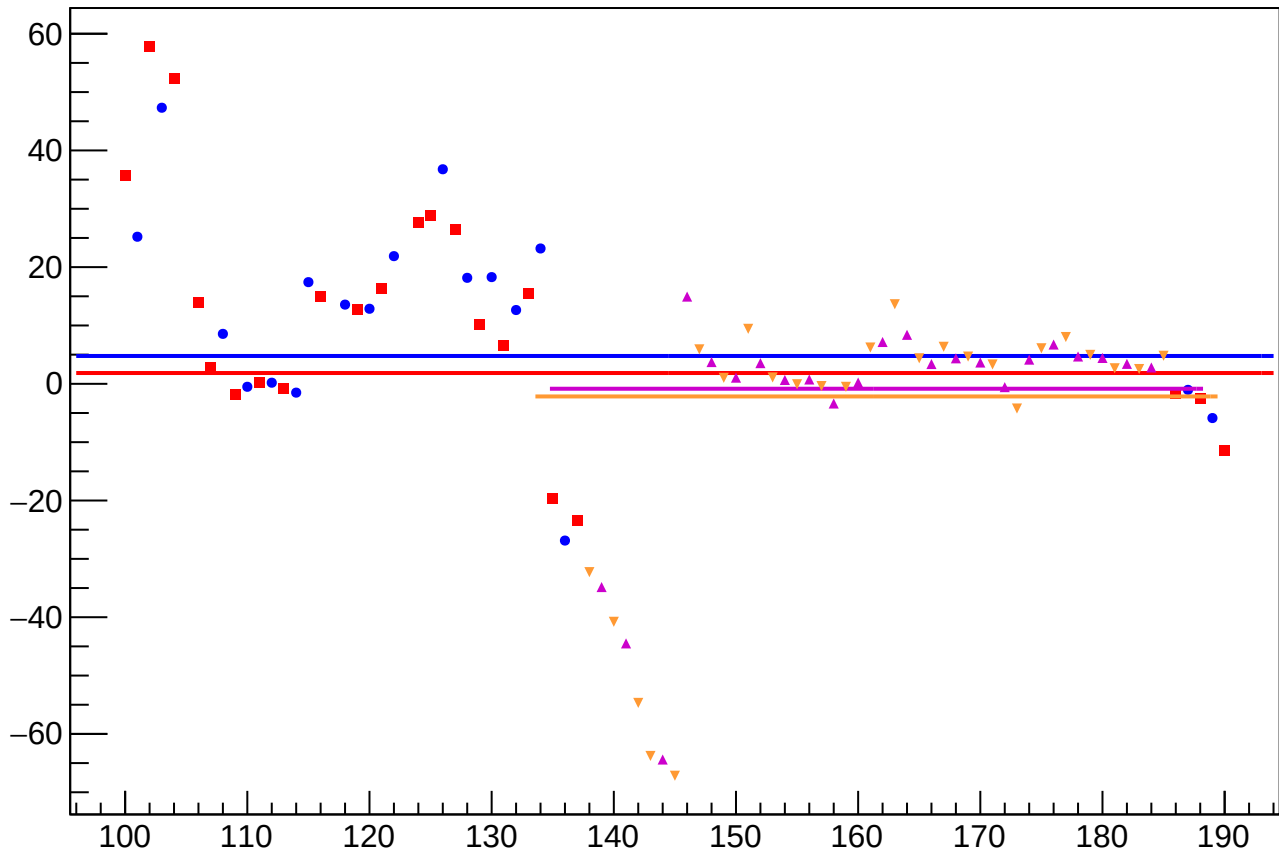
Left In: 0.396 ± 0.032 χ^2/NDF : 6932.0/22

+ sign 0.561 ± 0.029 χ^2/NDF : 9759.2/42

All: 0.517 ± 0.020 χ^2/NDF : 18509.1/87

- sign 0.477 ± 0.027 χ^2/NDF : 8745.4/44

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 4.774 $\pm$ 0.060 χ^2 /NDF: 74174.1/17

Left Out: -2.163 $\pm$ 0.041 χ^2 /NDF: 168990.2/24

Right Out: 1.852 $\pm$ 0.046 χ^2 /NDF: 81644.1/21

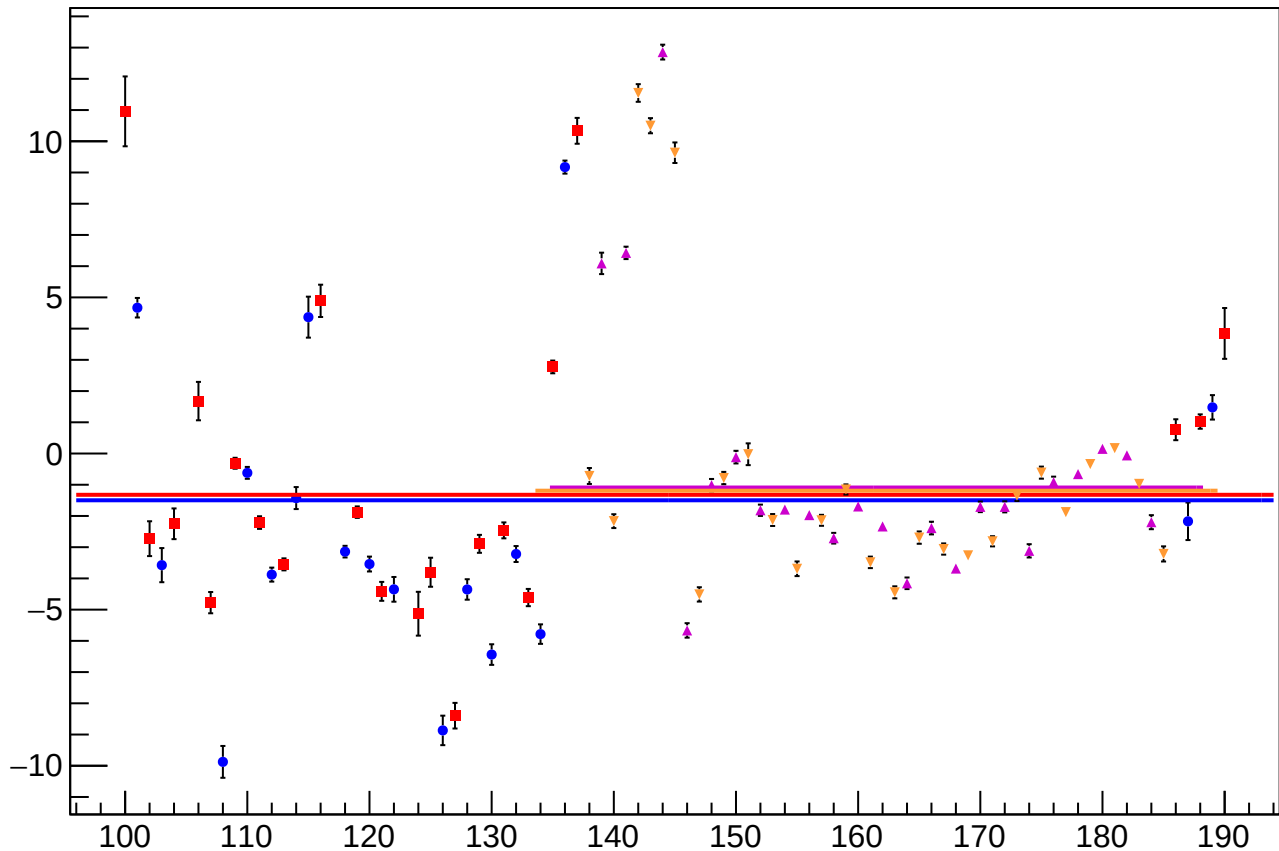
Left In: -0.843 $\pm$ 0.040 χ^2 /NDF: 127135.3/22

+ sign 0.038 $\pm$ 0.034 χ^2 /NDF: 252225.3/42

All: 0.192 $\pm$ 0.023 χ^2 /NDF: 462971.8/87

- sign 0.314 $\pm$ 0.030 χ^2 /NDF: 210709.8/44

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.498 ± 0.069 χ^2/NDF : 4533.2/17

Left Out: -1.190 ± 0.037 χ^2/NDF : 6995.9/24

Right Out: -1.322 ± 0.062 χ^2/NDF : 2626.6/21

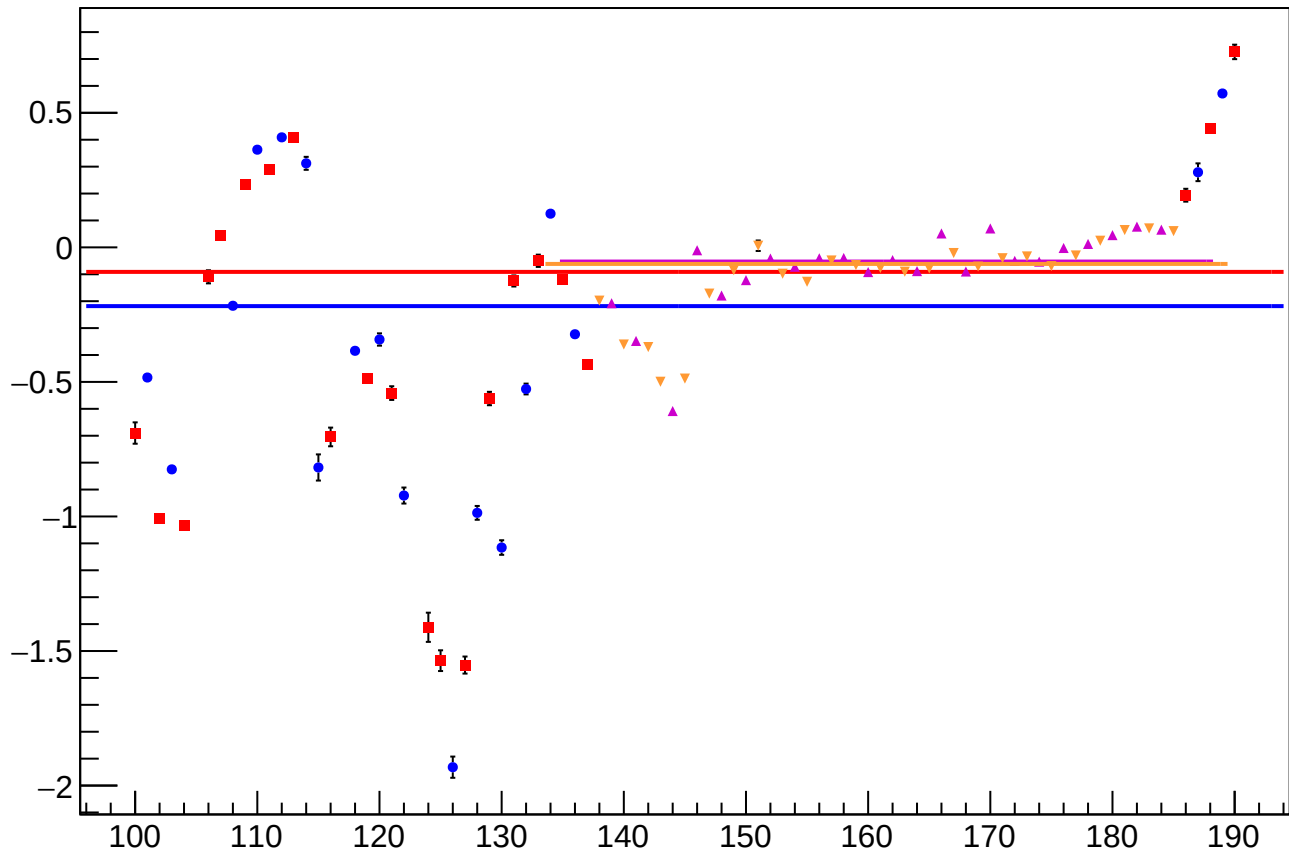
Left In: -1.089 ± 0.036 χ^2/NDF : 6840.8/22

+ sign -1.259 ± 0.033 χ^2/NDF : 11544.5/42

All: -1.200 ± 0.022 χ^2/NDF : 21028.6/87

- sign -1.147 ± 0.031 χ^2/NDF : 9477.9/44

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.218 ± 0.004 χ^2/NDF : 14298.3/17

Left Out: -0.062 ± 0.002 χ^2/NDF : 5563.5/24

Right Out: -0.091 ± 0.004 χ^2/NDF : 18829.0/21

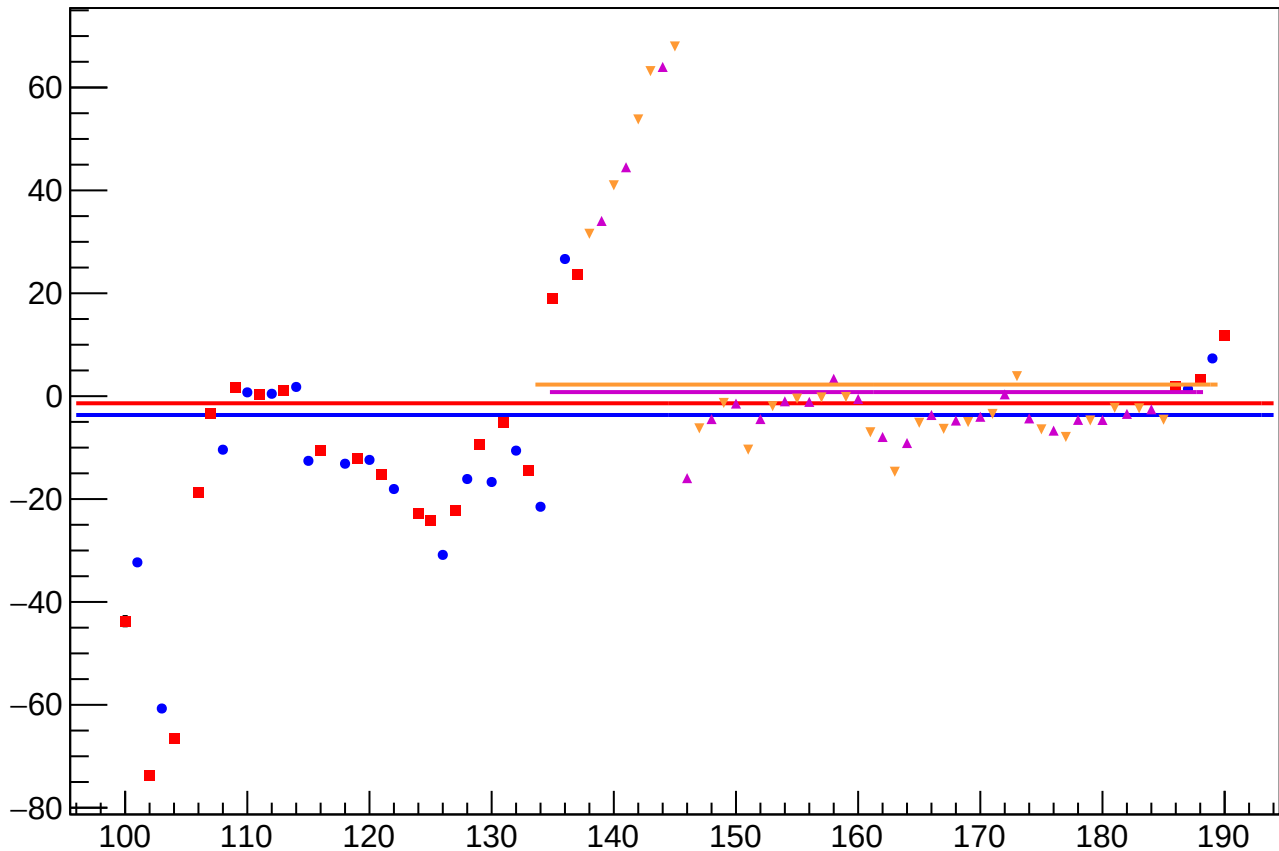
Left In: -0.053 ± 0.002 χ^2/NDF : 5036.0/22

+ sign -0.083 ± 0.002 χ^2/NDF : 21142.2/42

All: -0.070 ± 0.001 χ^2/NDF : 45243.0/87

- sign -0.059 ± 0.001 χ^2/NDF : 23961.4/44

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -3.658 ± 0.054 χ^2/NDF : 75485.0/17

Left Out: 2.255 ± 0.041 χ^2/NDF : 171671.4/24

Right Out: -1.382 ± 0.043 χ^2/NDF : 82169.3/21

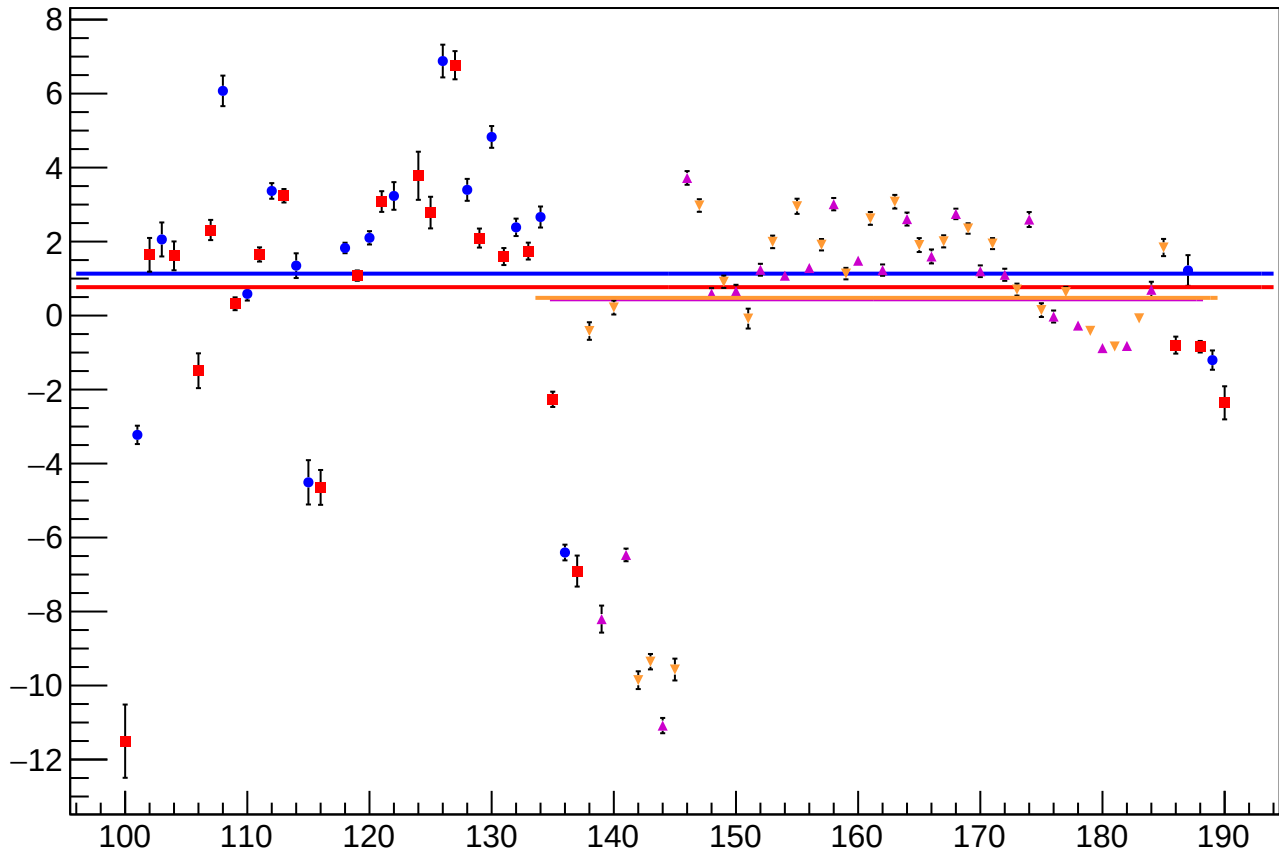
Left In: 0.794 ± 0.041 χ^2/NDF : 128828.3/22

+ sign 0.056 ± 0.033 χ^2/NDF : 254703.6/42

All: -0.115 ± 0.022 χ^2/NDF : 467096.3/87

- sign -0.254 ± 0.030 χ^2/NDF : 212343.3/44

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.133 ± 0.060 χ^2/NDF : 2528.4/17

Left Out: 0.479 ± 0.034 χ^2/NDF : 6808.1/24

Right Out: 0.768 ± 0.053 χ^2/NDF : 1735.8/21

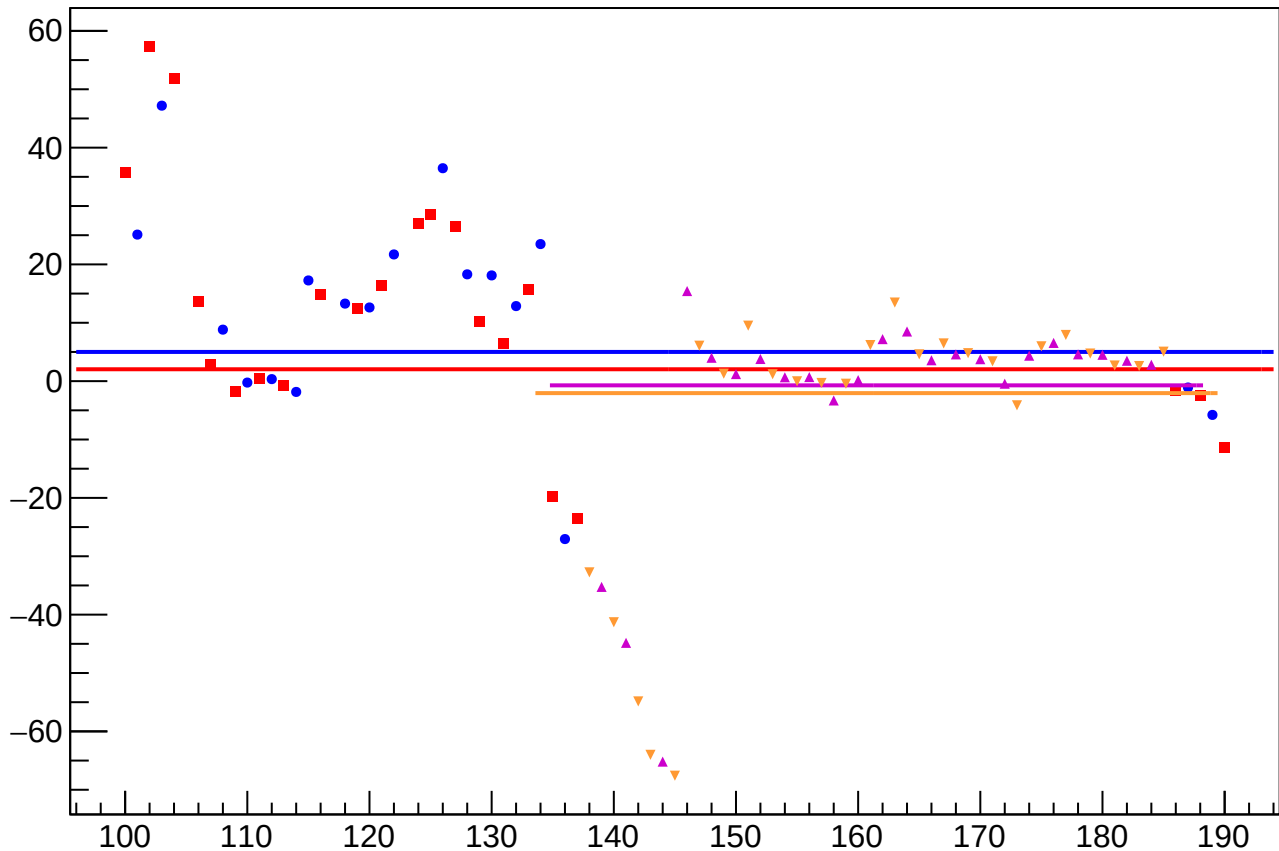
Left In: 0.440 ± 0.032 χ^2/NDF : 6893.7/22

+ sign 0.637 ± 0.029 χ^2/NDF : 9427.5/42

All: 0.579 ± 0.020 χ^2/NDF : 18091.9/87

- sign 0.528 ± 0.028 χ^2/NDF : 8657.1/44

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 5.004 ± 0.061 $\chi^2/\text{NDF}: 72670.8/17$

Left Out: -2.051 ± 0.041 $\chi^2/\text{NDF}: 166009.6/24$

Right Out: 2.036 ± 0.047 $\chi^2/\text{NDF}: 79901.8/21$

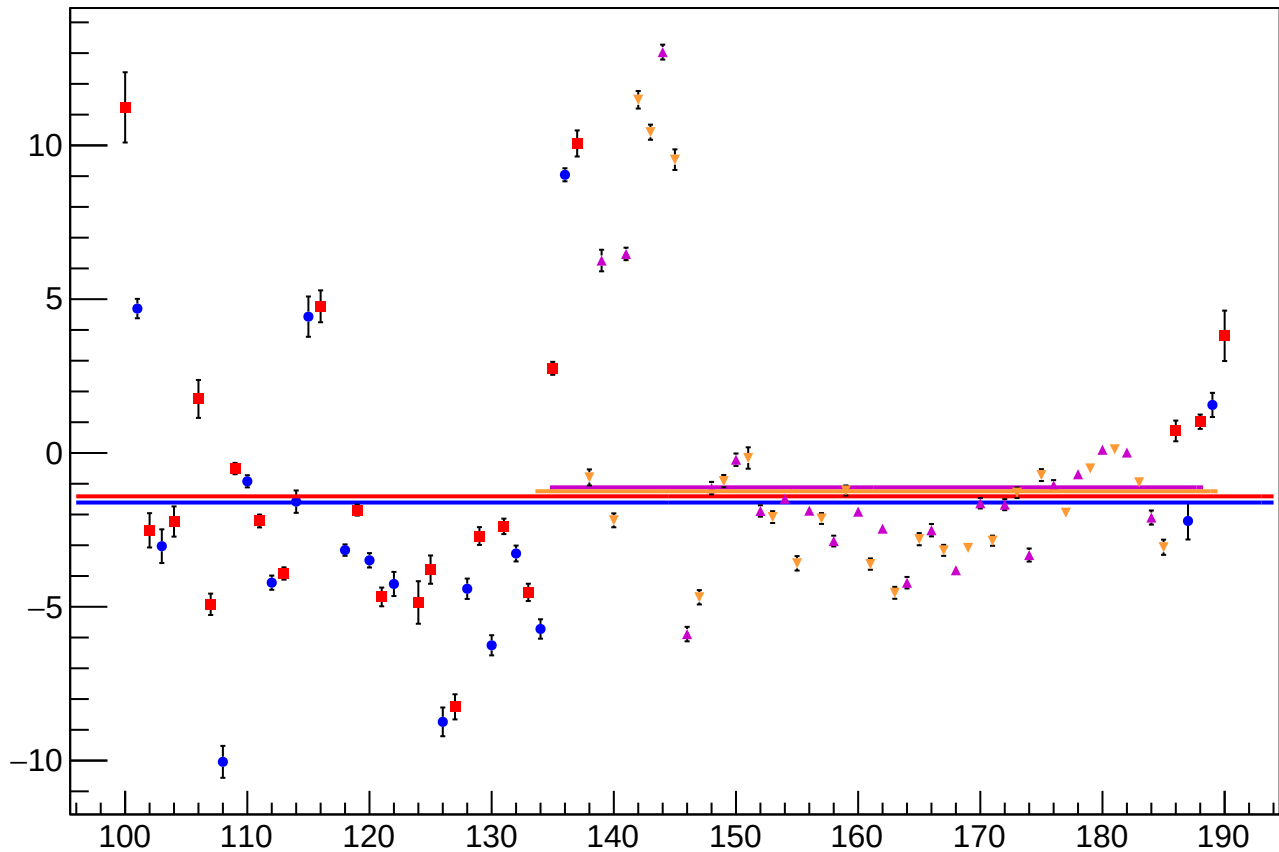
Left In: -0.720 ± 0.041 $\chi^2/\text{NDF}: 125531.3/22$

+ sign 0.180 ± 0.034 $\chi^2/\text{NDF}: 247837.0/42$

All: 0.332 ± 0.023 $\chi^2/\text{NDF}: 455270.0/87$

- sign 0.454 ± 0.031 $\chi^2/\text{NDF}: 207397.6/44$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.611 ± 0.070 χ^2/NDF : 4357.7/17

Left Out: -1.244 ± 0.037 χ^2/NDF : 6768.7/24

Right Out: -1.410 ± 0.063 χ^2/NDF : 2520.8/21

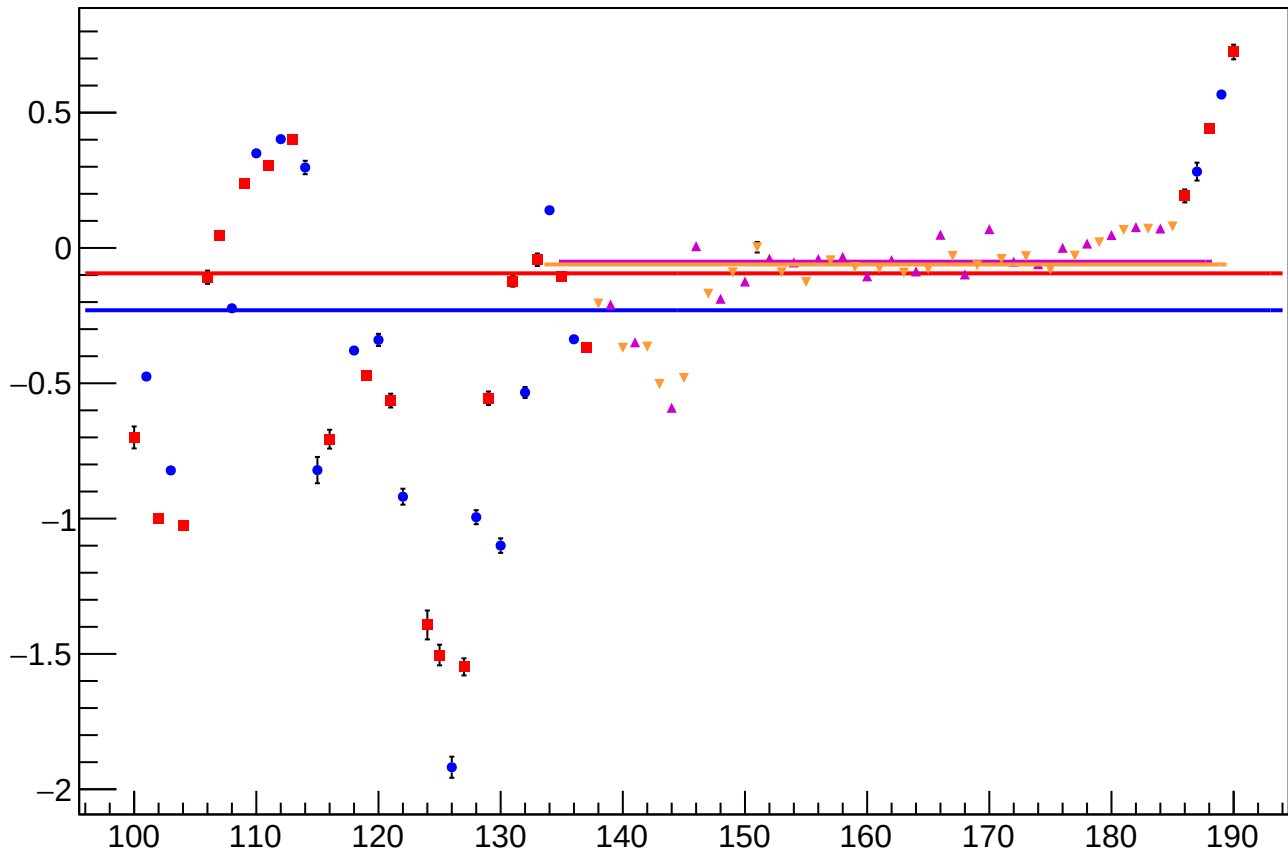
Left In: -1.117 ± 0.036 χ^2/NDF : 6840.3/22

+ sign -1.326 ± 0.033 χ^2/NDF : 11147.8/42

All: -1.254 ± 0.023 χ^2/NDF : 20534.2/87

- sign -1.189 ± 0.031 χ^2/NDF : 9377.3/44

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.230 ± 0.004 χ^2/NDF : 13833.8/17

Left Out: -0.061 ± 0.002 χ^2/NDF : 5479.8/24

Right Out: -0.094 ± 0.004 χ^2/NDF : 18249.4/21

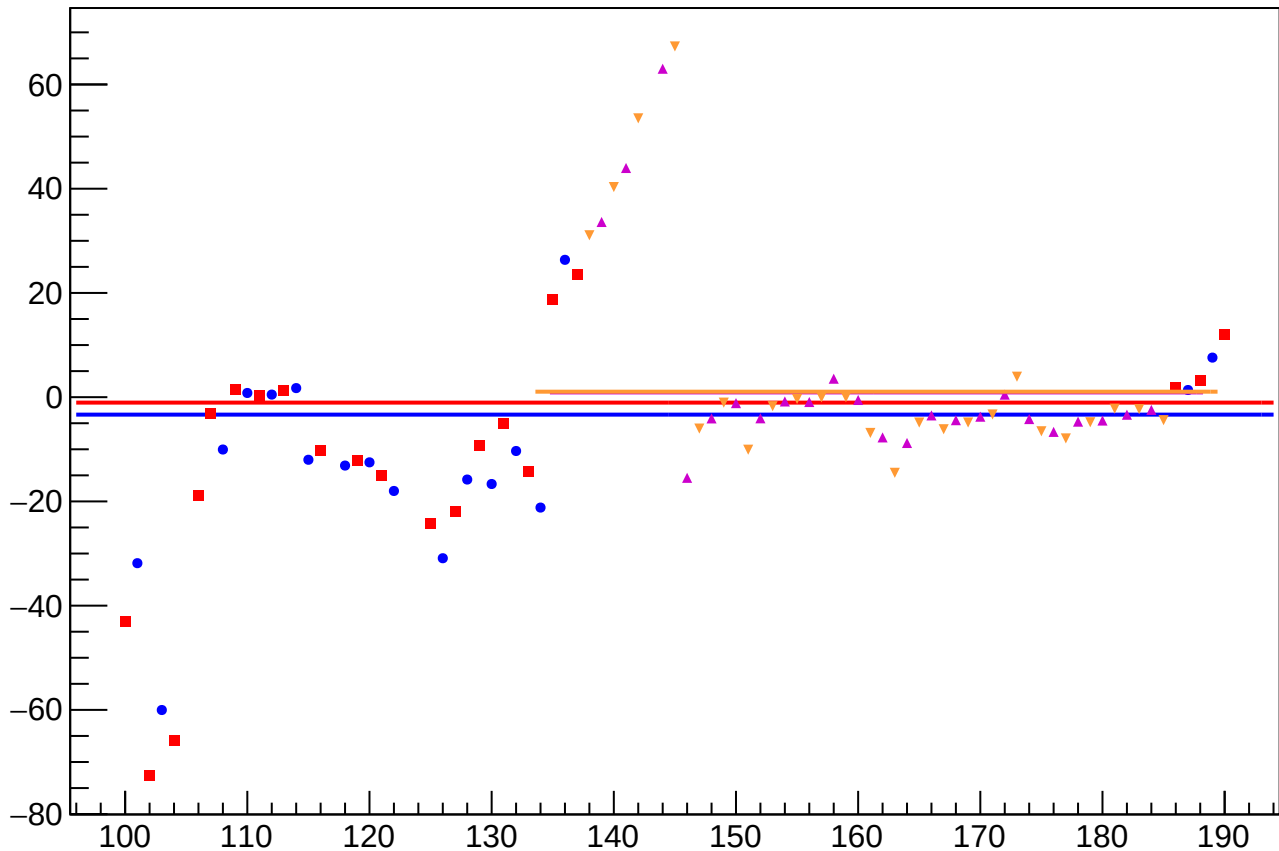
Left In: -0.051 ± 0.002 χ^2/NDF : 4878.7/22

+ sign -0.084 ± 0.002 χ^2/NDF : 20769.3/42

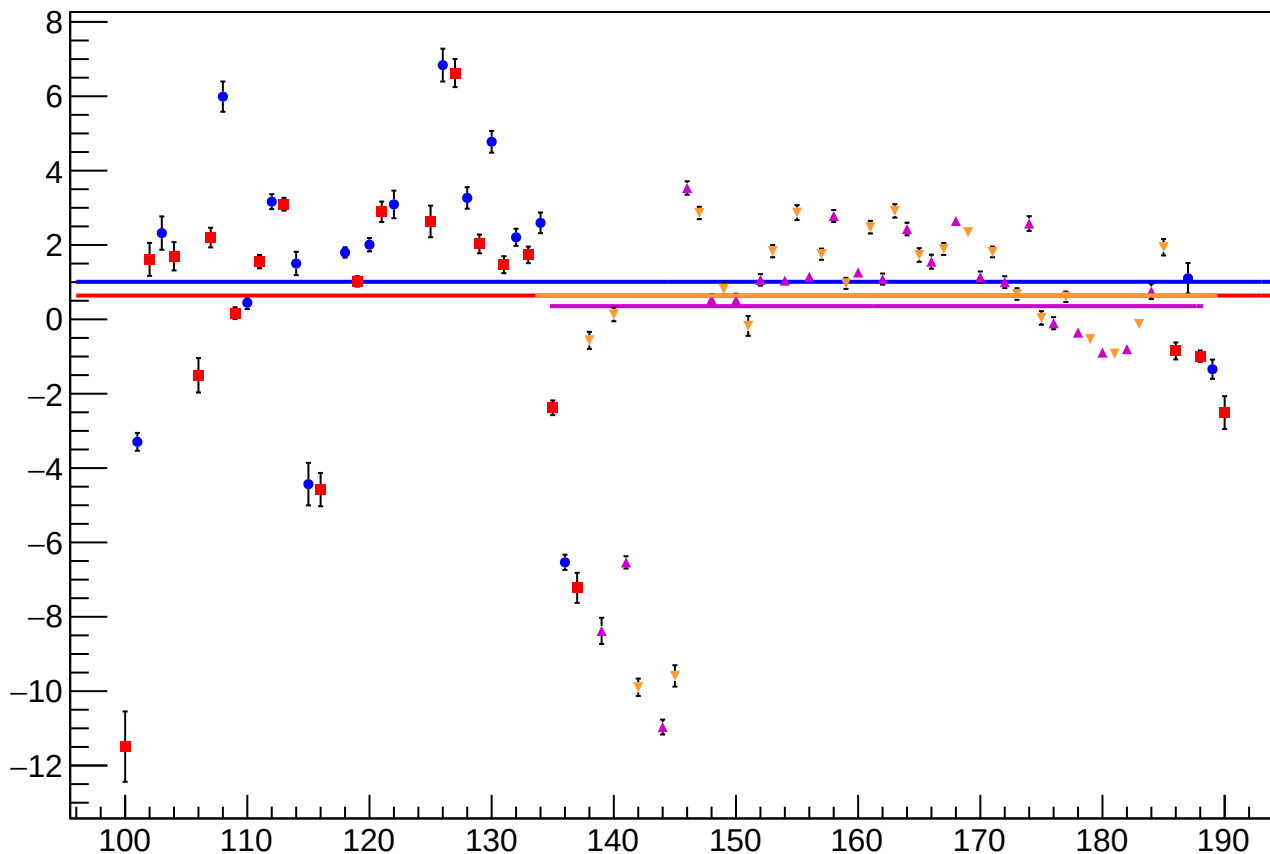
All: -0.070 ± 0.001 χ^2/NDF : 44177.8/87

- sign -0.057 ± 0.001 χ^2/NDF : 23244.9/44

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug



reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 1.010 ± 0.058 χ^2/NDF : 2682.7/17

Left Out: 0.644 ± 0.033 χ^2/NDF : 4711.1/23

Right Out: 0.640 ± 0.052 χ^2/NDF : 1842.7/20

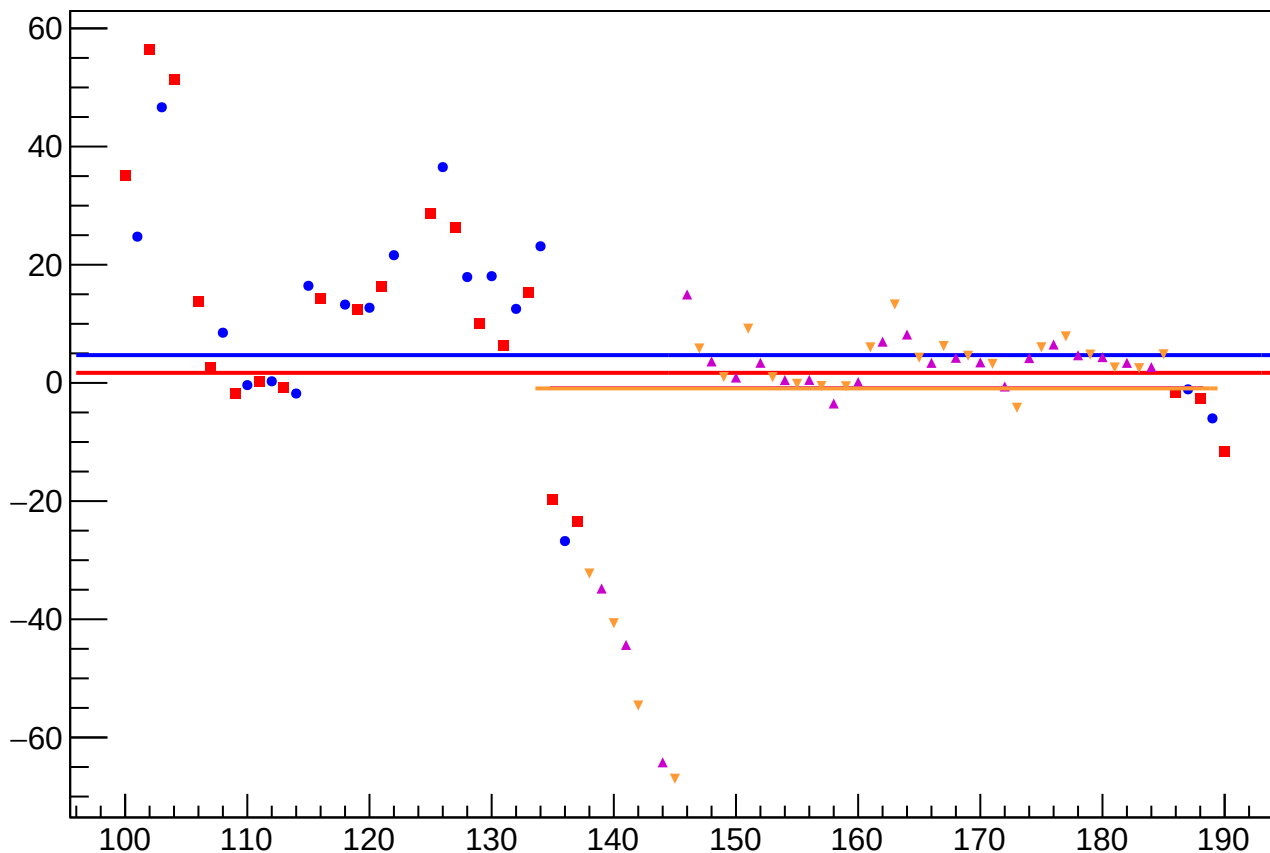
Left In: 0.355 ± 0.031 χ^2/NDF : 7117.0/22

+ sign 0.734 ± 0.029 χ^2/NDF : 7423.7/41

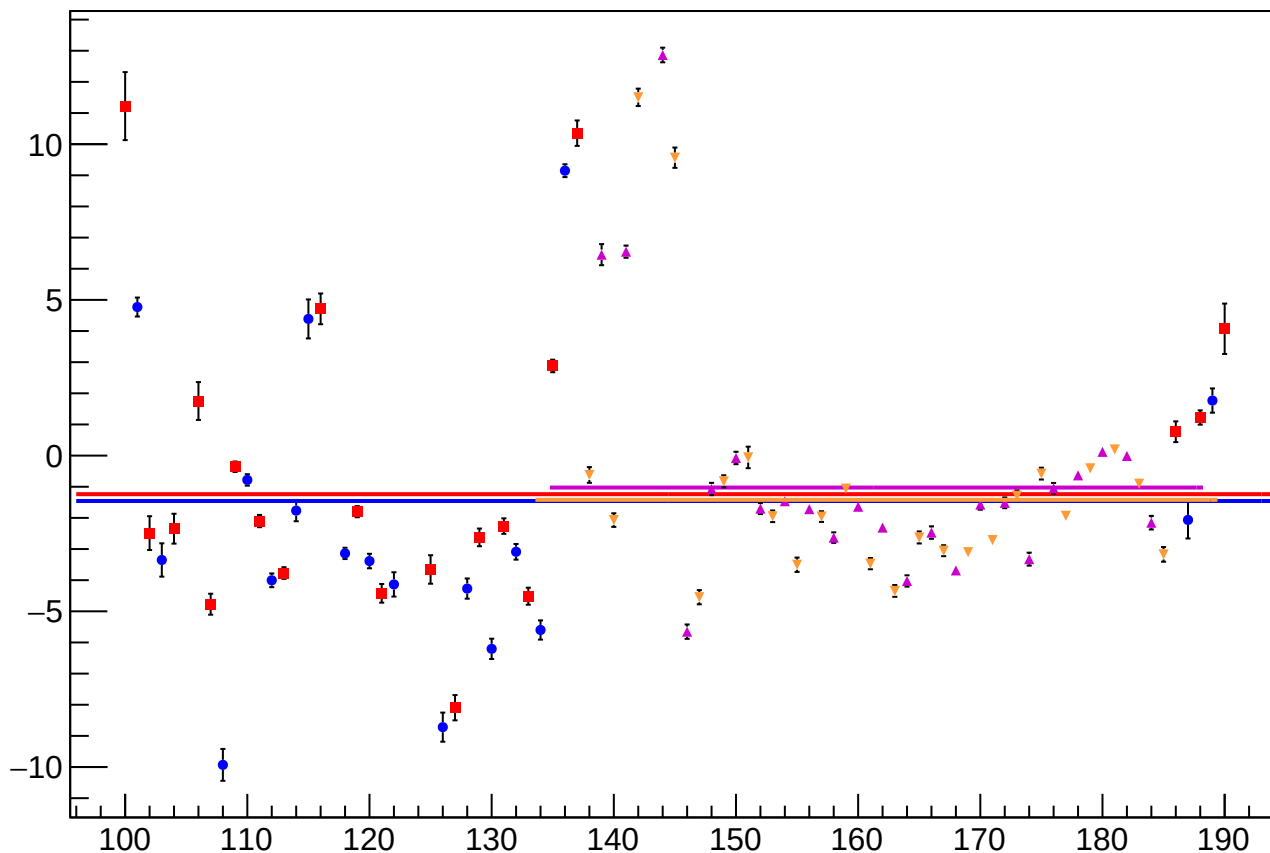
All: 0.572 ± 0.020 χ^2/NDF : 16464.7/85

- sign 0.432 ± 0.027 χ^2/NDF : 8981.8/43

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.458 ± 0.068 χ^2/NDF : 4615.0/17

Left Out: -1.420 ± 0.037 χ^2/NDF : 4642.0/23

Right Out: -1.238 ± 0.061 χ^2/NDF : 2690.0/20

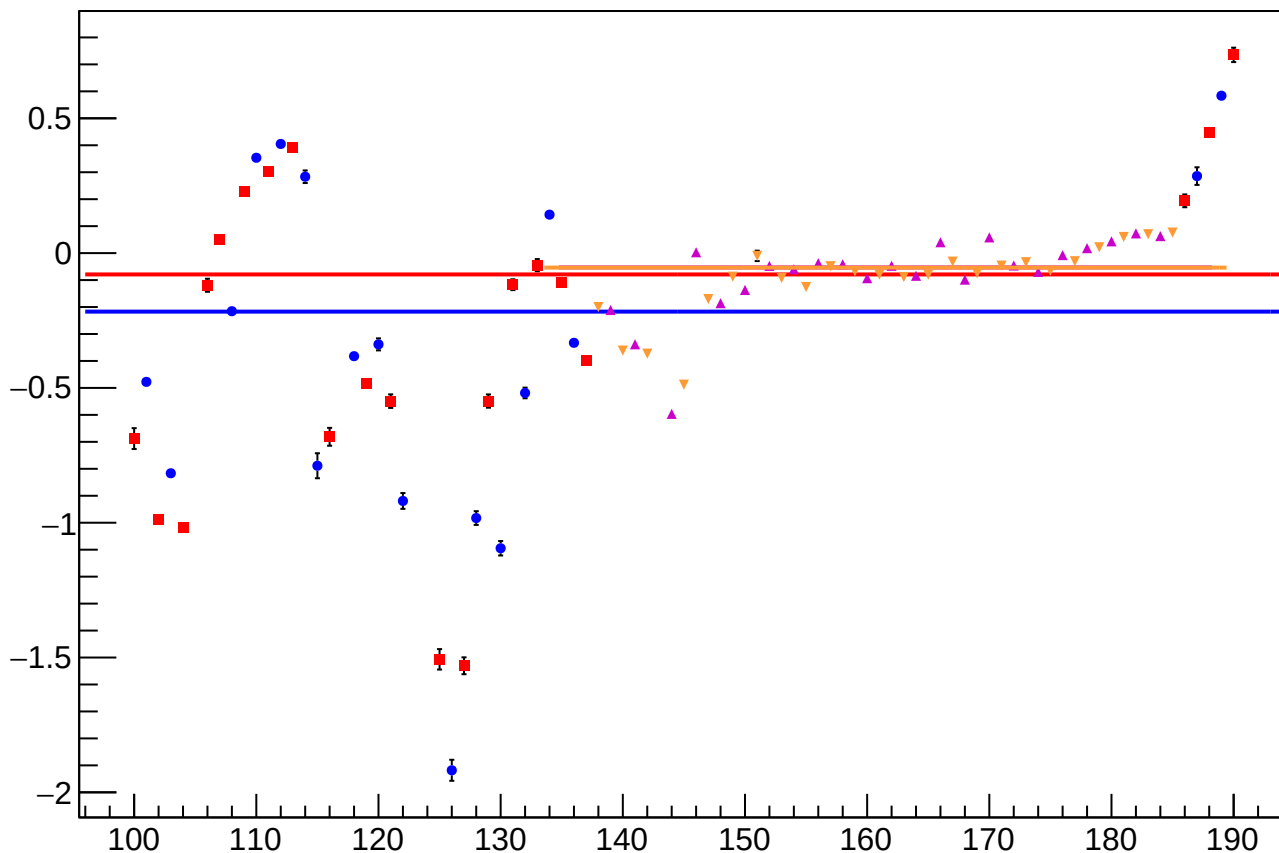
Left In: -1.026 ± 0.035 χ^2/NDF : 7047.1/22

+ sign -1.429 ± 0.032 χ^2/NDF : 9257.3/41

All: -1.242 ± 0.022 χ^2/NDF : 19066.5/85

- sign -1.078 ± 0.030 χ^2/NDF : 9746.2/43

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.217 ± 0.004 χ^2/NDF : 14630.3/17

Left Out: -0.054 ± 0.002 χ^2/NDF : 4340.0/23

Right Out: -0.079 ± 0.004 χ^2/NDF : 18488.6/20

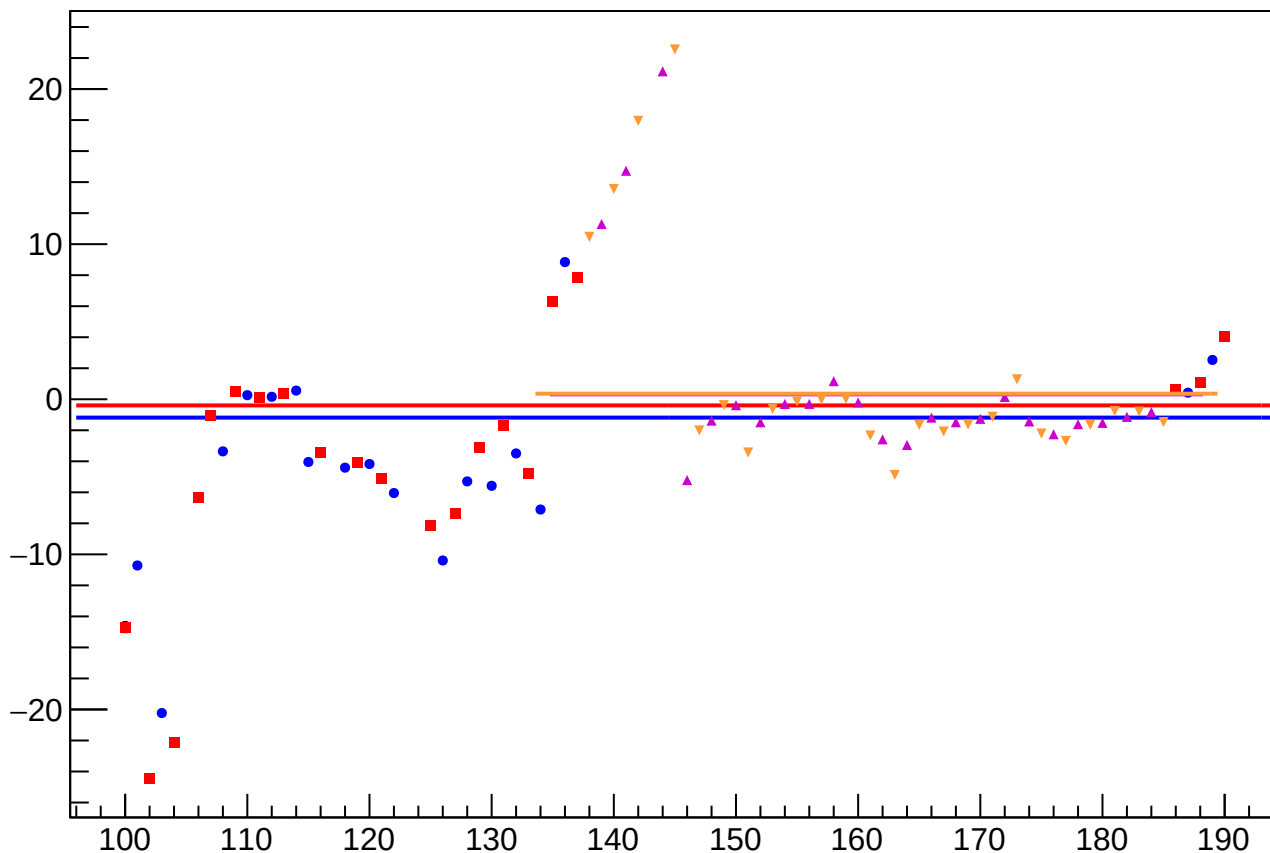
Left In: -0.053 ± 0.001 χ^2/NDF : 5009.7/22

+ sign -0.076 ± 0.001 χ^2/NDF : 20409.2/41

All: -0.066 ± 0.001 χ^2/NDF : 44042.5/85

- sign -0.057 ± 0.001 χ^2/NDF : 23543.9/43

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.183 ± 0.018 χ^2/NDF : 76569.6/17

Left Out: 0.359 ± 0.014 χ^2/NDF : 128829.7/23

Right Out: -0.397 ± 0.014 χ^2/NDF : 82005.8/20

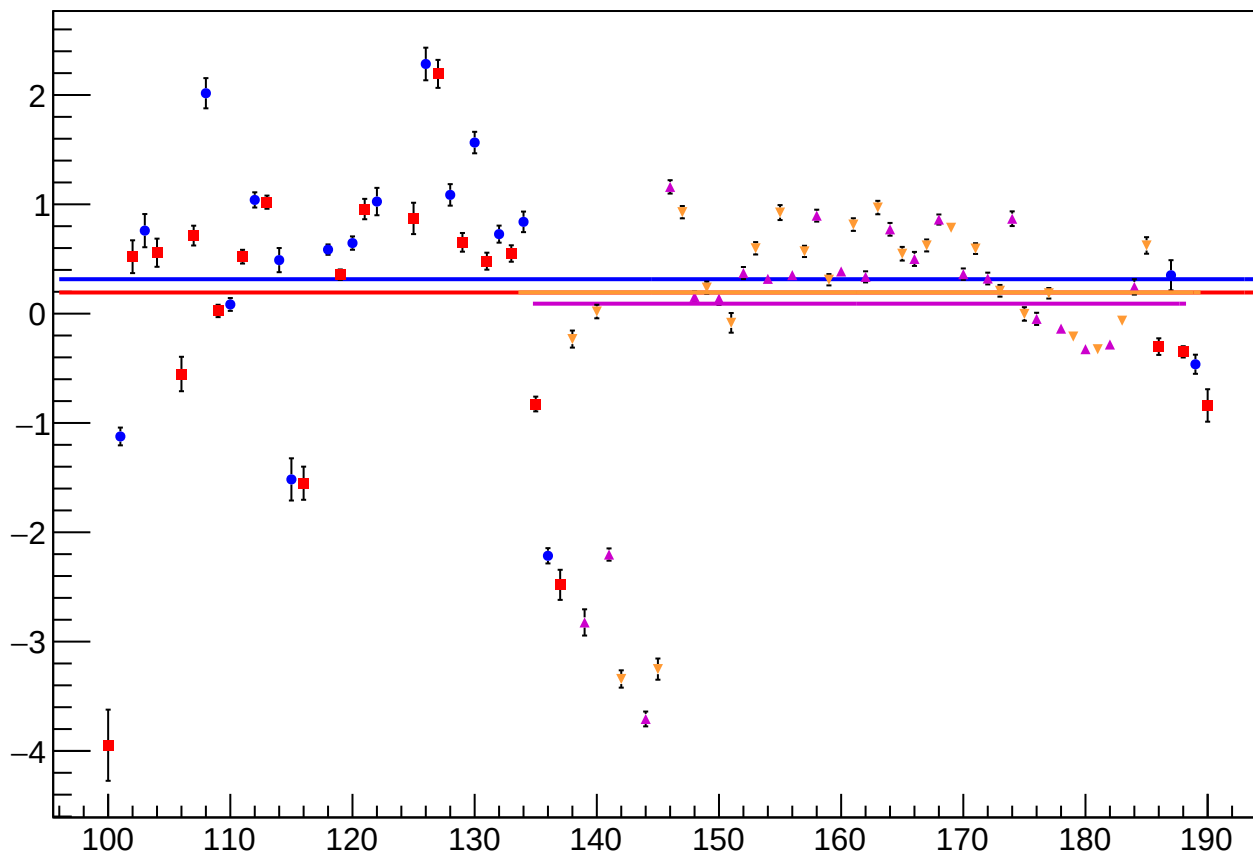
Left In: 0.317 ± 0.014 χ^2/NDF : 130224.2/22

+ sign -0.223 ± 0.011 χ^2/NDF : 210061.6/41

All: -0.115 ± 0.007 χ^2/NDF : 423791.8/85

- sign -0.028 ± 0.010 χ^2/NDF : 213553.7/43

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.315 $\pm$ 0.020 χ^2 /NDF: 2626.3/17

Left Out: 0.194 $\pm$ 0.011 χ^2 /NDF: 4645.0/23

Right Out: 0.193 $\pm$ 0.018 χ^2 /NDF: 1803.9/20

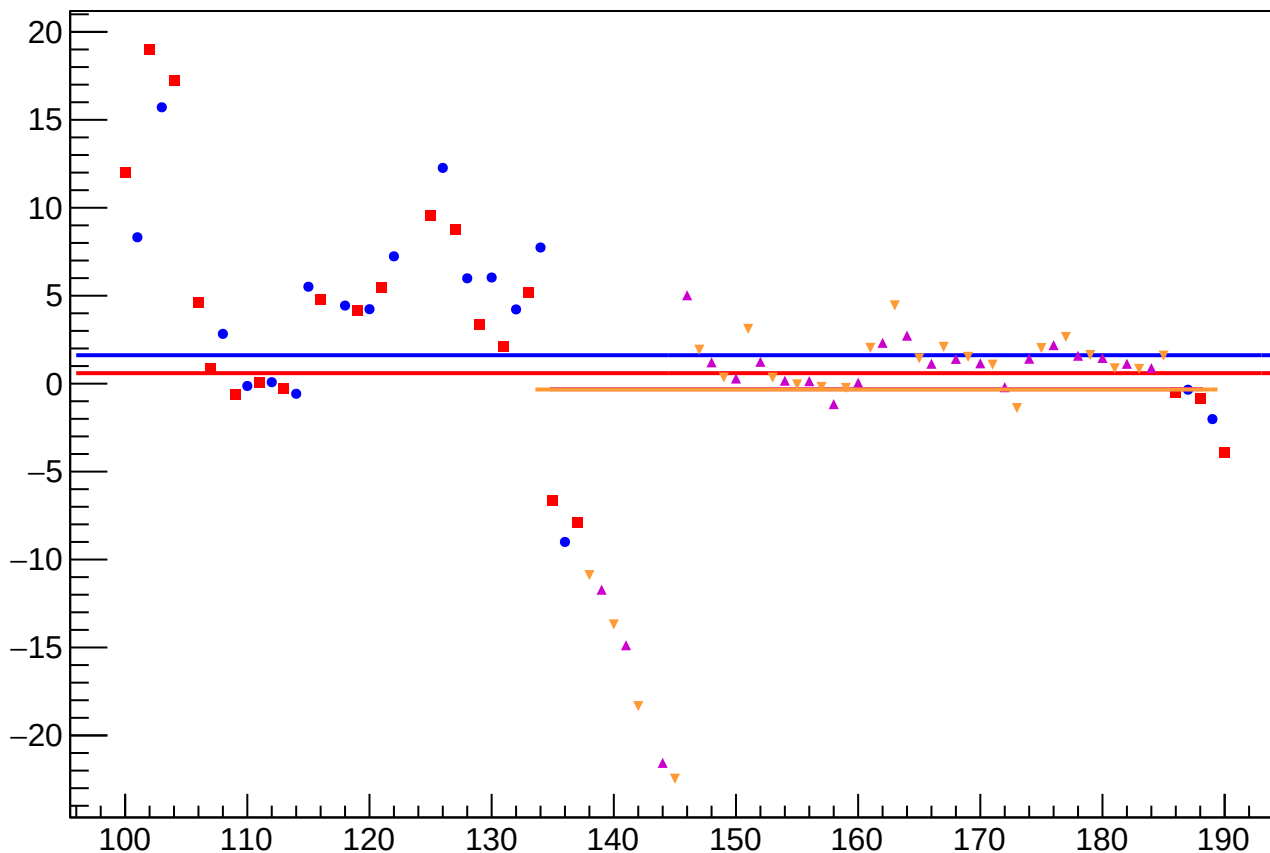
Left In: 0.091 $\pm$ 0.011 χ^2 /NDF: 6936.4/22

+ sign 0.224 $\pm$ 0.010 χ^2 /NDF: 7299.2/41

All: 0.168 $\pm$ 0.007 χ^2 /NDF: 16125.3/85

- sign 0.119 $\pm$ 0.009 χ^2 /NDF: 8764.6/43

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 1.617 $\pm$ 0.020 χ^2 /NDF: 73749.0/17

Left Out: -0.332 $\pm$ 0.014 χ^2 /NDF: 124233.4/23

Right Out: 0.597 $\pm$ 0.016 χ^2 /NDF: 79893.4/20

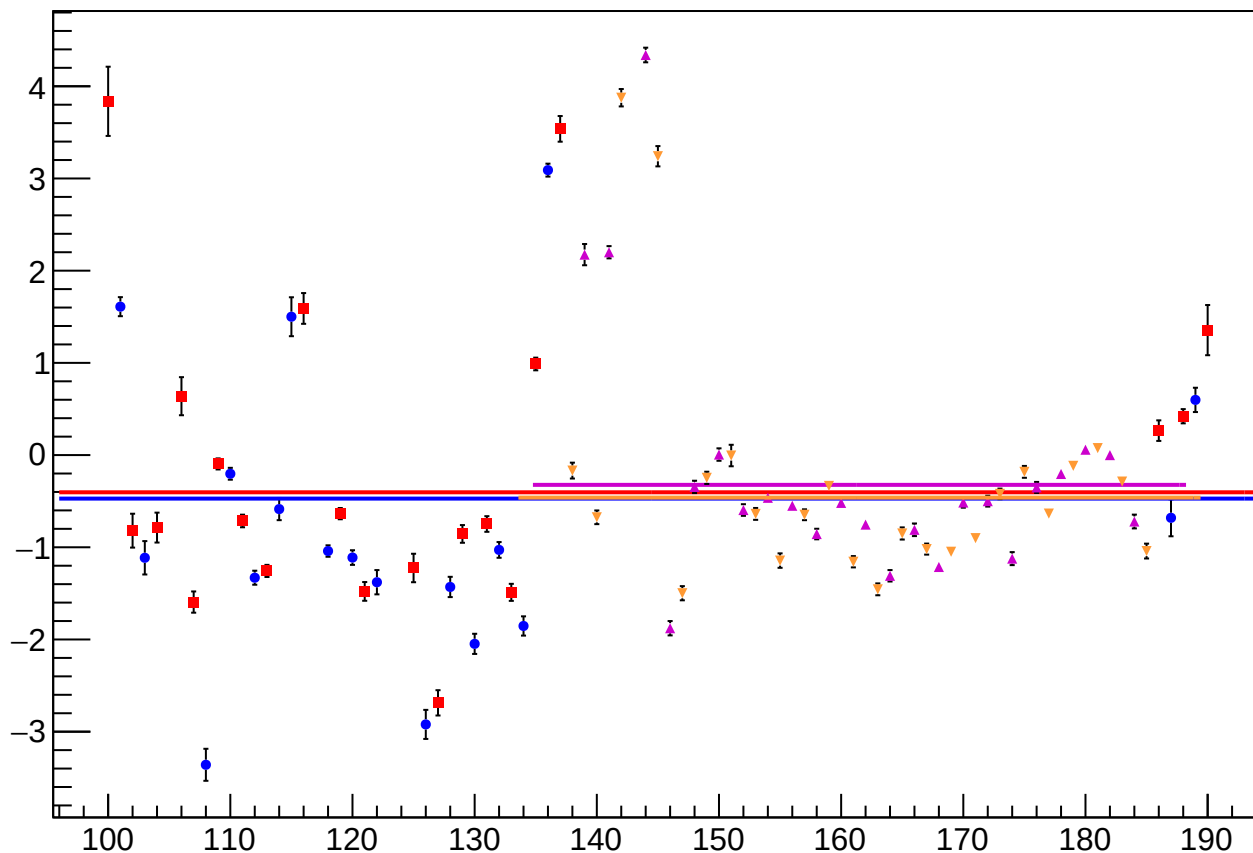
Left In: -0.314 $\pm$ 0.013 χ^2 /NDF: 126999.2/22

+ sign 0.292 $\pm$ 0.011 χ^2 /NDF: 204322.2/41

All: 0.171 $\pm$ 0.008 χ^2 /NDF: 413369.9/85

- sign 0.074 $\pm$ 0.010 χ^2 /NDF: 208845.2/43

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.472 ± 0.023 χ^2/NDF : 4516.0/17

Left Out: -0.462 ± 0.013 χ^2/NDF : 4580.0/23

Right Out: -0.404 ± 0.021 χ^2/NDF : 2639.0/20

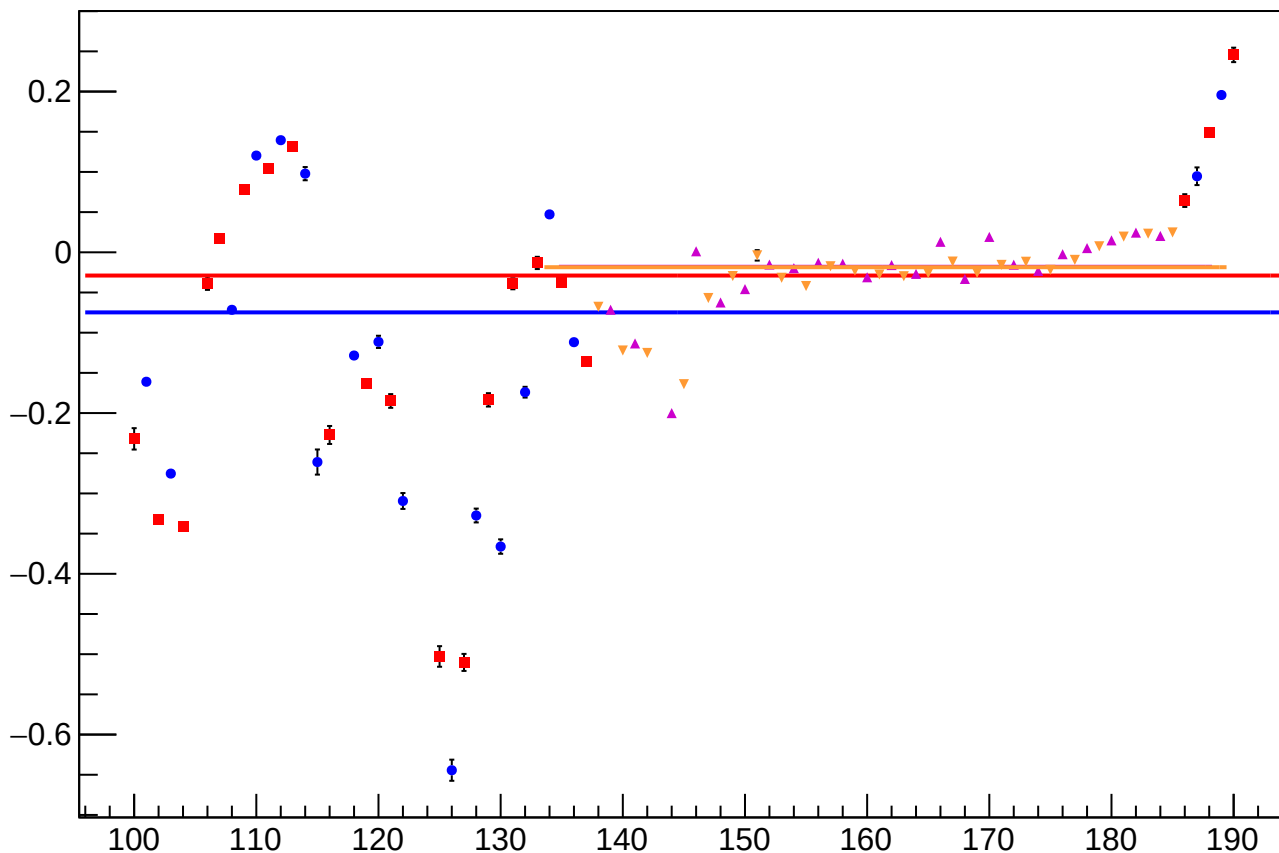
Left In: -0.323 ± 0.012 χ^2/NDF : 6881.8/22

+ sign -0.464 ± 0.011 χ^2/NDF : 9096.2/41

All: -0.400 ± 0.008 χ^2/NDF : 18692.4/85

- sign -0.343 ± 0.010 χ^2/NDF : 9532.0/43

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.075 ± 0.001 χ^2/NDF : 14272.1/17

Left Out: -0.019 ± 0.001 χ^2/NDF : 4227.5/23

Right Out: -0.029 ± 0.001 χ^2/NDF : 17964.3/20

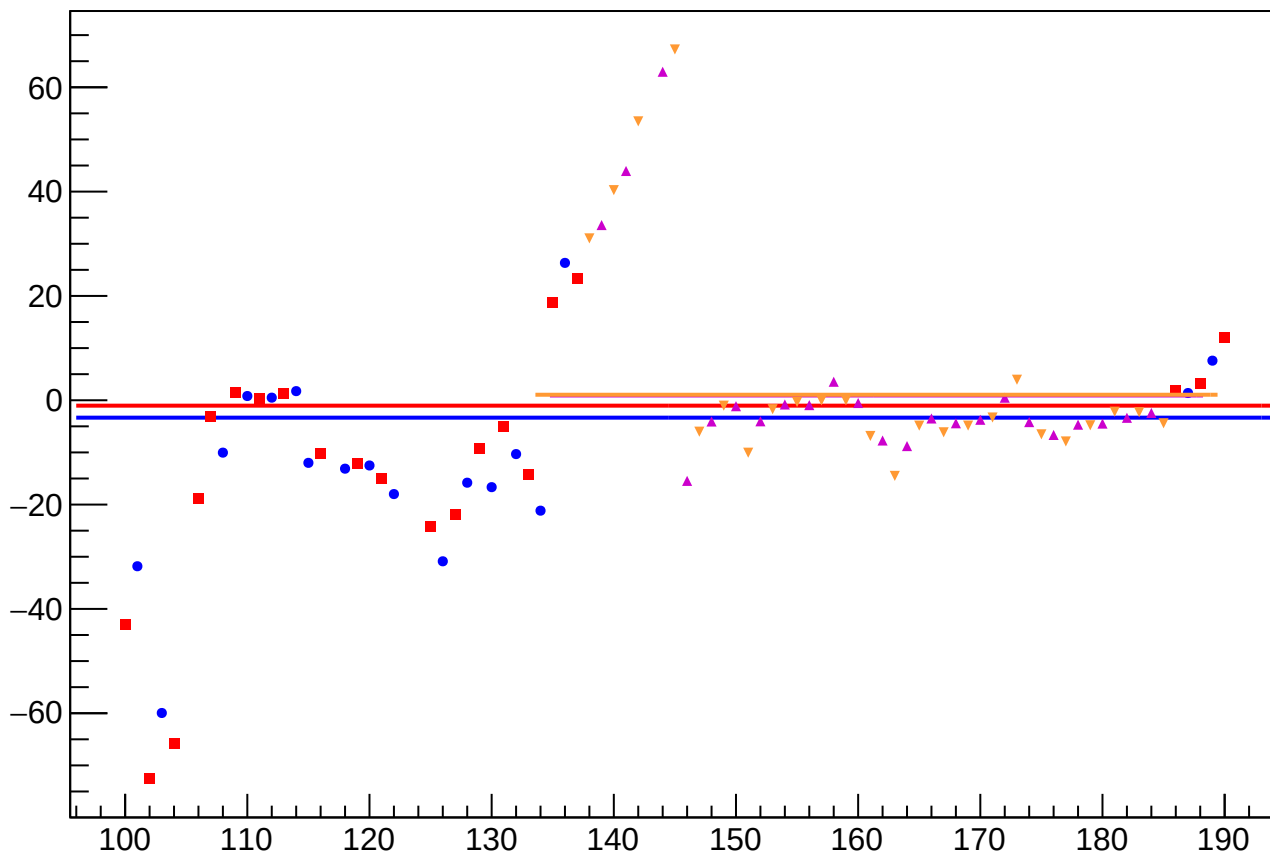
Left In: -0.018 ± 0.001 χ^2/NDF : 4879.3/22

+ sign -0.026 ± 0.001 χ^2/NDF : 19963.1/41

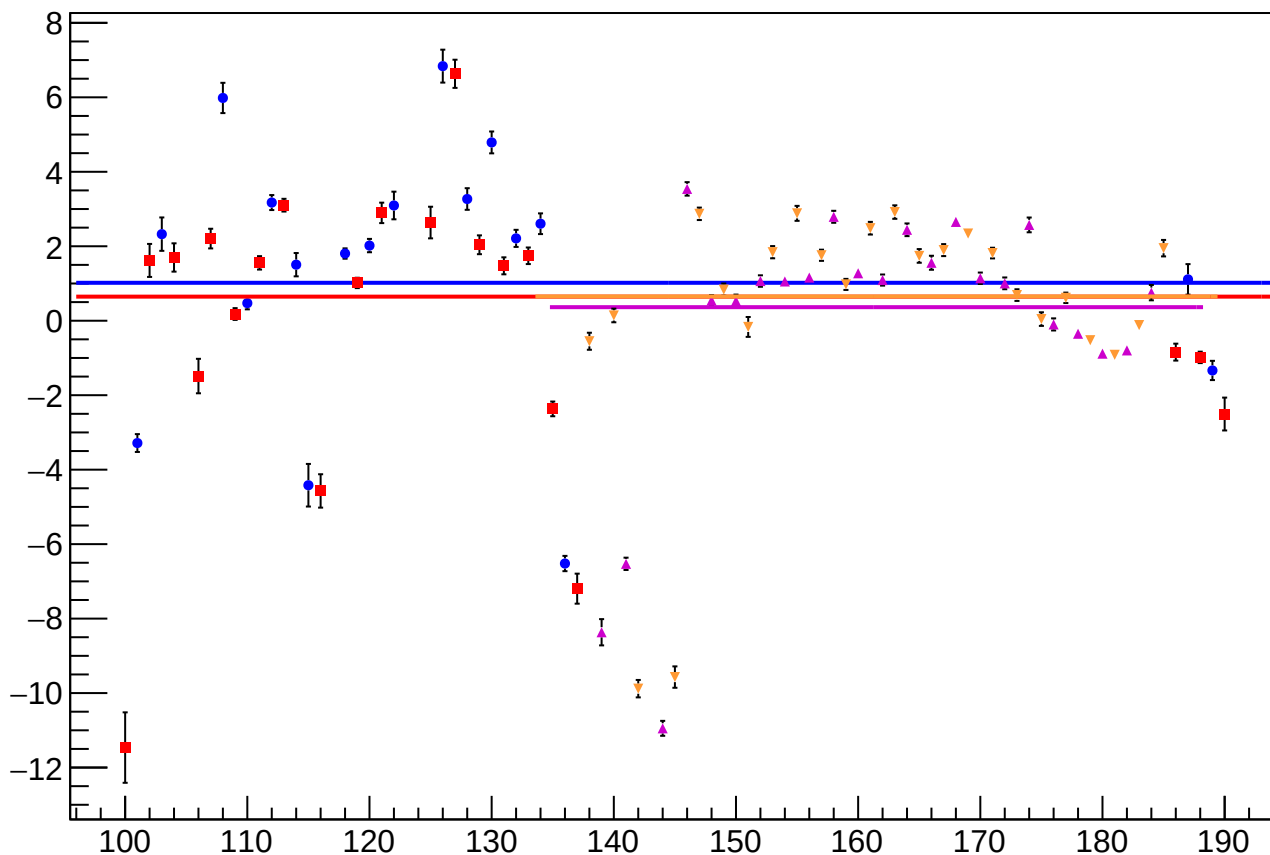
All: -0.023 ± 0.000 χ^2/NDF : 42966.7/85

- sign -0.020 ± 0.000 χ^2/NDF : 22911.8/43

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 1.019 ± 0.058 χ^2/NDF : 2682.7/17

Left Out: 0.651 ± 0.033 χ^2/NDF : 4708.8/23

Right Out: 0.647 ± 0.052 χ^2/NDF : 1841.2/20

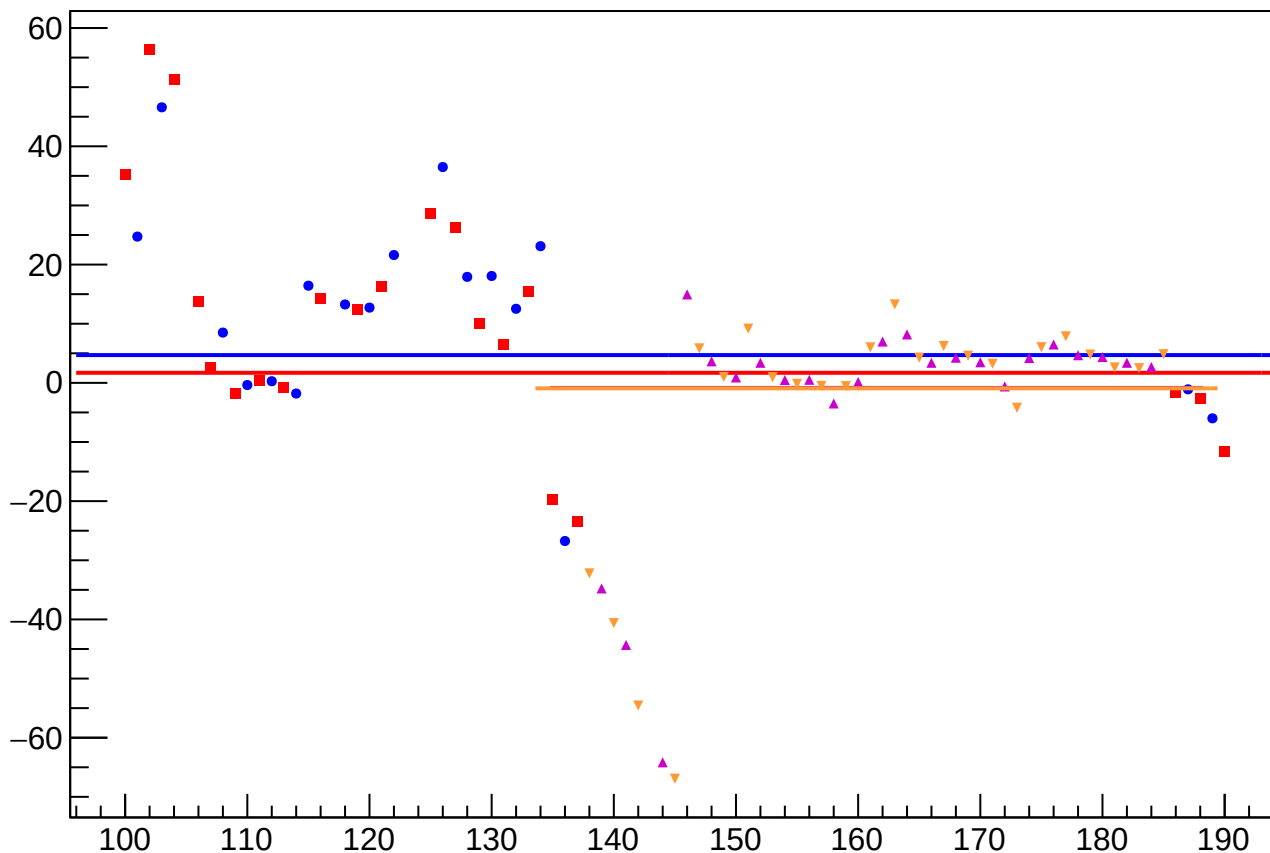
Left In: 0.364 ± 0.031 χ^2/NDF : 7122.4/22

+ sign 0.742 ± 0.029 χ^2/NDF : 7421.8/41

All: 0.580 ± 0.020 χ^2/NDF : 16466.2/85

- sign 0.440 ± 0.027 χ^2/NDF : 8985.4/43

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 4.697 ± 0.059 χ^2/NDF : 75319.6/17

Left Out: -0.927 ± 0.041 χ^2/NDF : 126360.1/23

Right Out: 1.704 ± 0.046 χ^2/NDF : 81344.0/20

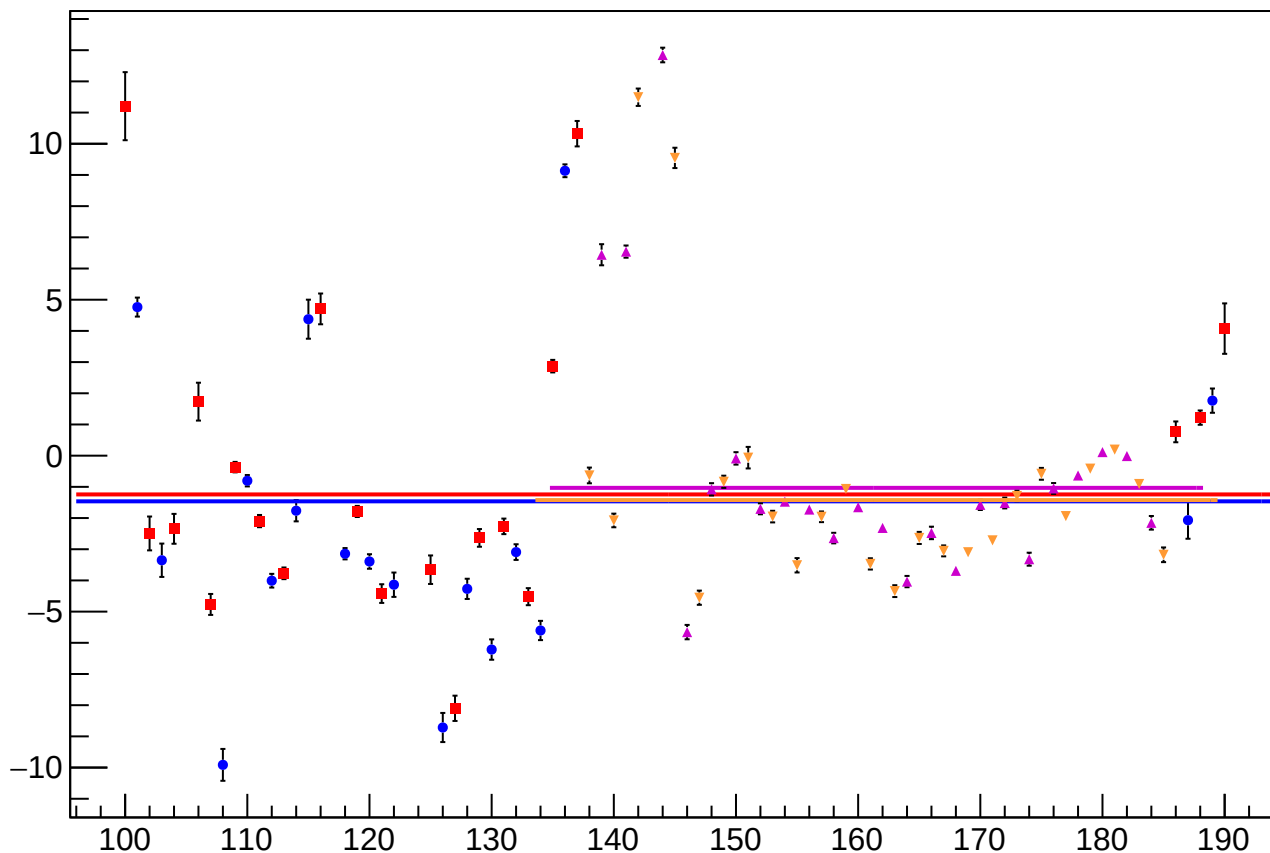
Left In: -0.858 ± 0.039 χ^2/NDF : 129490.8/22

+ sign 0.874 ± 0.033 χ^2/NDF : 207855.3/41

All: 0.515 ± 0.022 χ^2/NDF : 420711.7/85

- sign 0.231 ± 0.030 χ^2/NDF : 212649.7/43

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -1.464 ± 0.068 χ^2/NDF : 4614.8/17

Left Out: -1.425 ± 0.037 χ^2/NDF : 4639.6/23

Right Out: -1.243 ± 0.061 χ^2/NDF : 2687.1/20

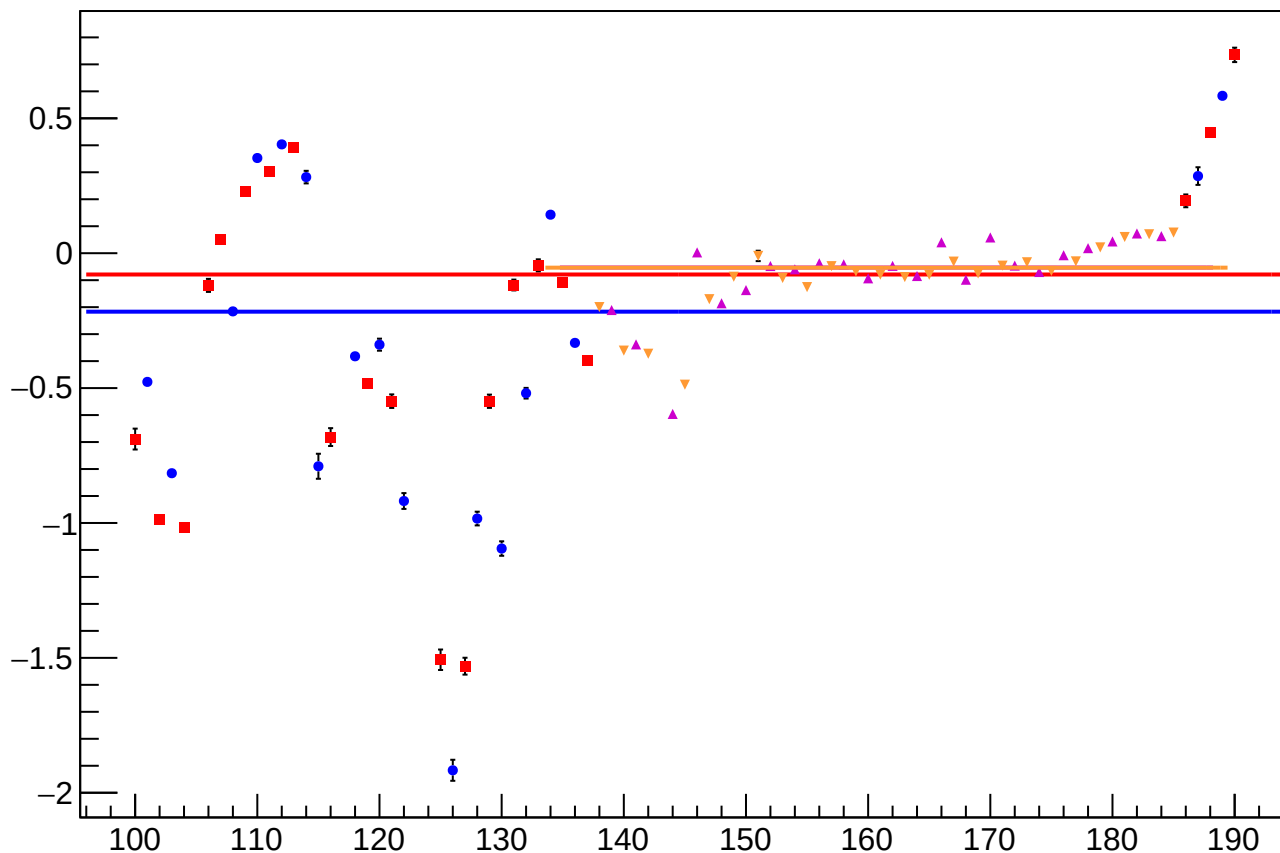
Left In: -1.032 ± 0.035 χ^2/NDF : 7051.3/22

+ sign -1.434 ± 0.032 χ^2/NDF : 9254.6/41

All: -1.247 ± 0.022 χ^2/NDF : 19065.0/85

- sign -1.084 ± 0.030 χ^2/NDF : 9747.5/43

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.217 ± 0.004 χ^2/NDF : 14631.2/17

Left Out: -0.054 ± 0.002 χ^2/NDF : 4341.2/23

Right Out: -0.079 ± 0.004 χ^2/NDF : 18498.8/20

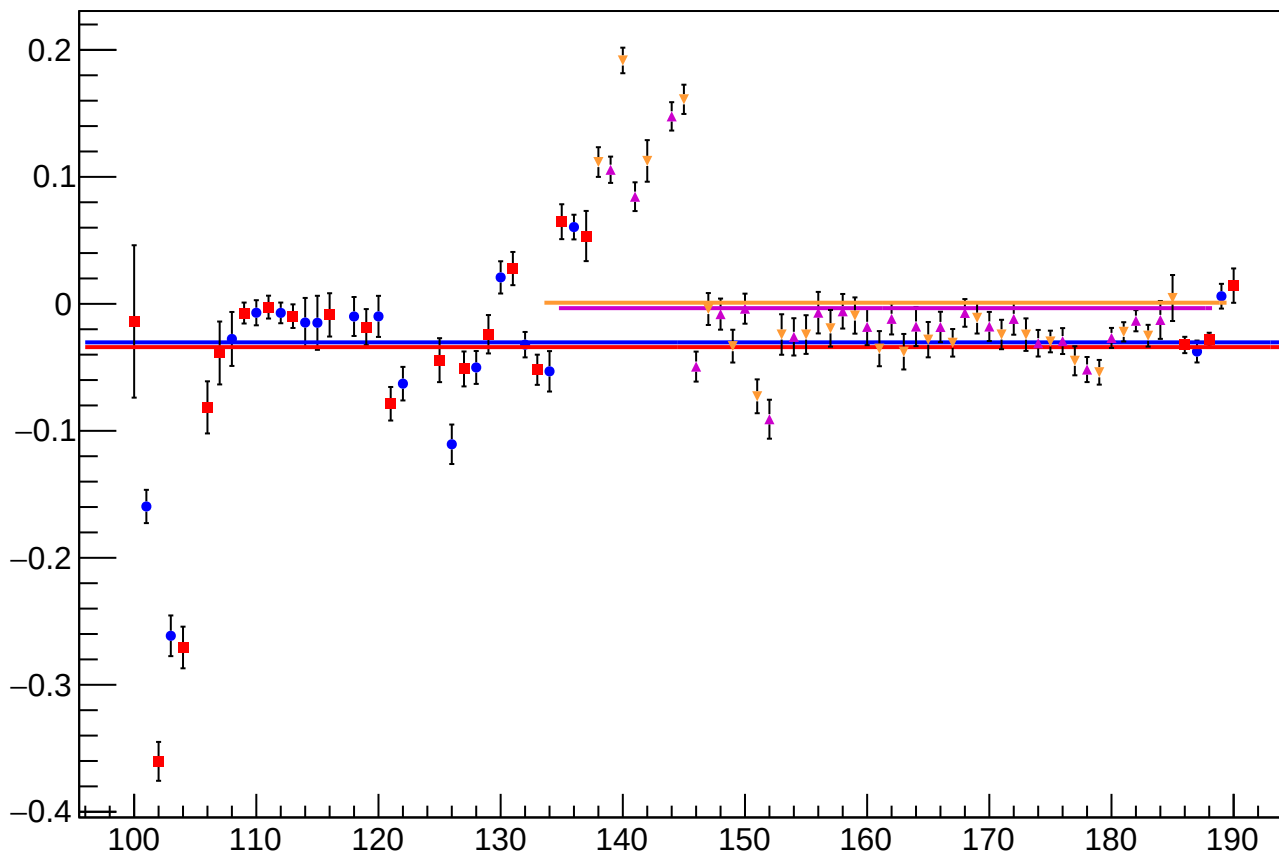
Left In: -0.053 ± 0.001 χ^2/NDF : 5013.3/22

+ sign -0.076 ± 0.001 χ^2/NDF : 20411.9/41

All: -0.066 ± 0.001 χ^2/NDF : 44057.9/85

- sign -0.057 ± 0.001 χ^2/NDF : 23557.3/43

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.030 ± 0.003 χ^2/NDF : 479.0/17

Left Out: 0.001 ± 0.002 χ^2/NDF : 849.7/23

Right Out: -0.034 ± 0.002 χ^2/NDF : 824.2/20

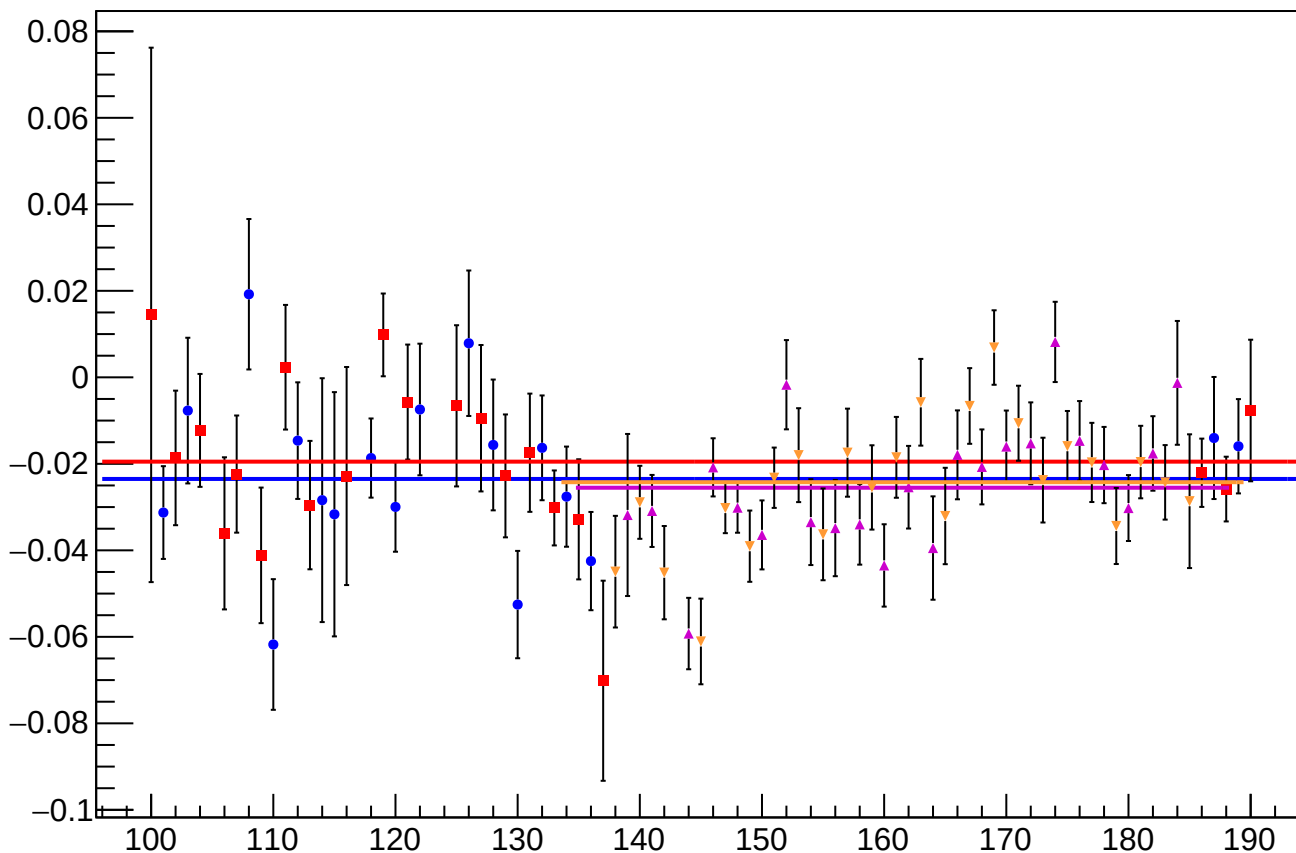
Left In: -0.003 ± 0.002 χ^2/NDF : 457.9/22

+ sign -0.012 ± 0.002 χ^2/NDF : 1398.2/41

All: -0.015 ± 0.001 χ^2/NDF : 2765.8/85

- sign -0.018 ± 0.002 χ^2/NDF : 1361.1/43

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.023 ± 0.003 χ^2/NDF : 29.6/17

Left Out: -0.024 ± 0.002 χ^2/NDF : 53.7/23

Right Out: -0.019 ± 0.003 χ^2/NDF : 26.2/20

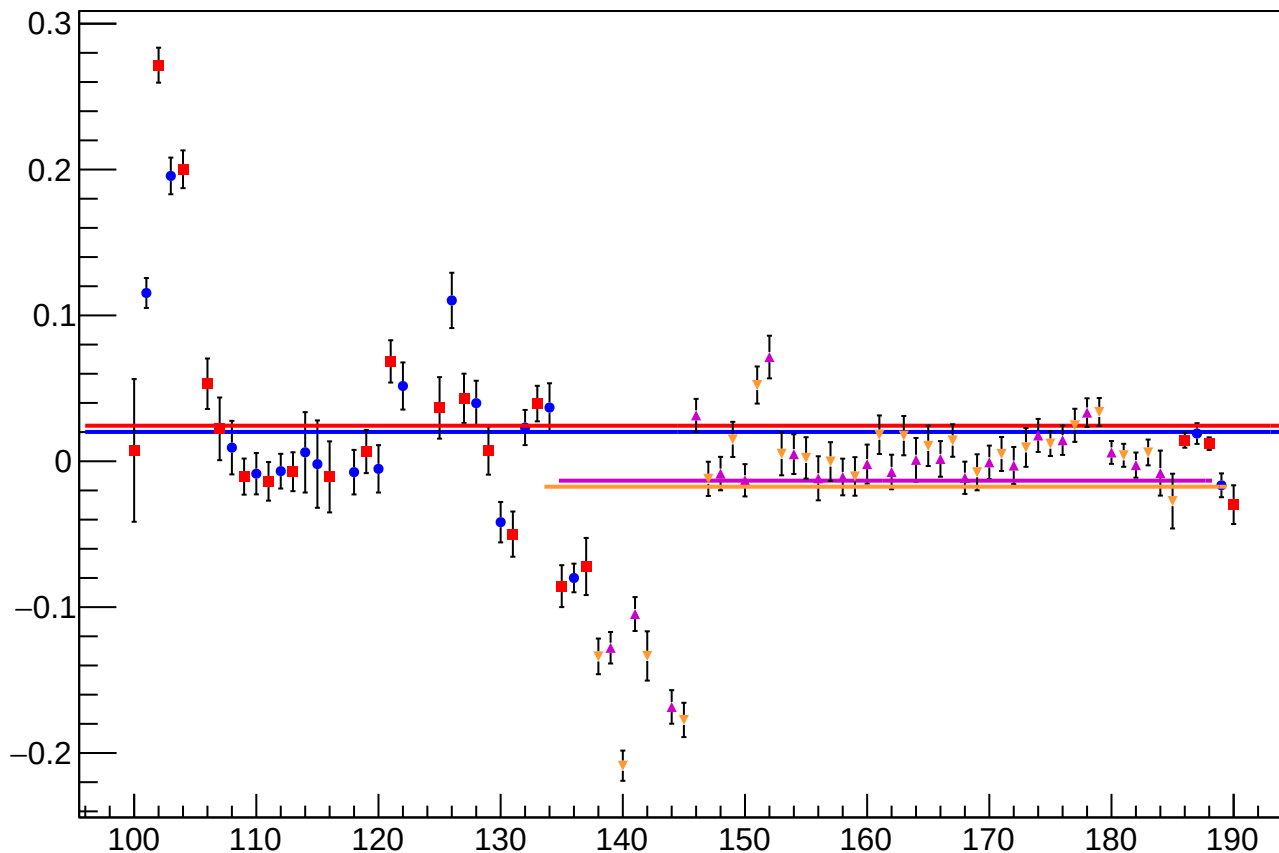
Left In: -0.026 ± 0.002 χ^2/NDF : 55.0/22

+ sign -0.024 ± 0.002 χ^2/NDF : 83.4/41

All: -0.024 ± 0.001 χ^2/NDF : 167.8/85

- sign -0.024 ± 0.002 χ^2/NDF : 84.3/43

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.020 ± 0.003 χ^2/NDF : 470.3/17

Left Out: -0.017 ± 0.002 χ^2/NDF : 812.1/23

Right Out: 0.024 ± 0.002 χ^2/NDF : 785.3/20

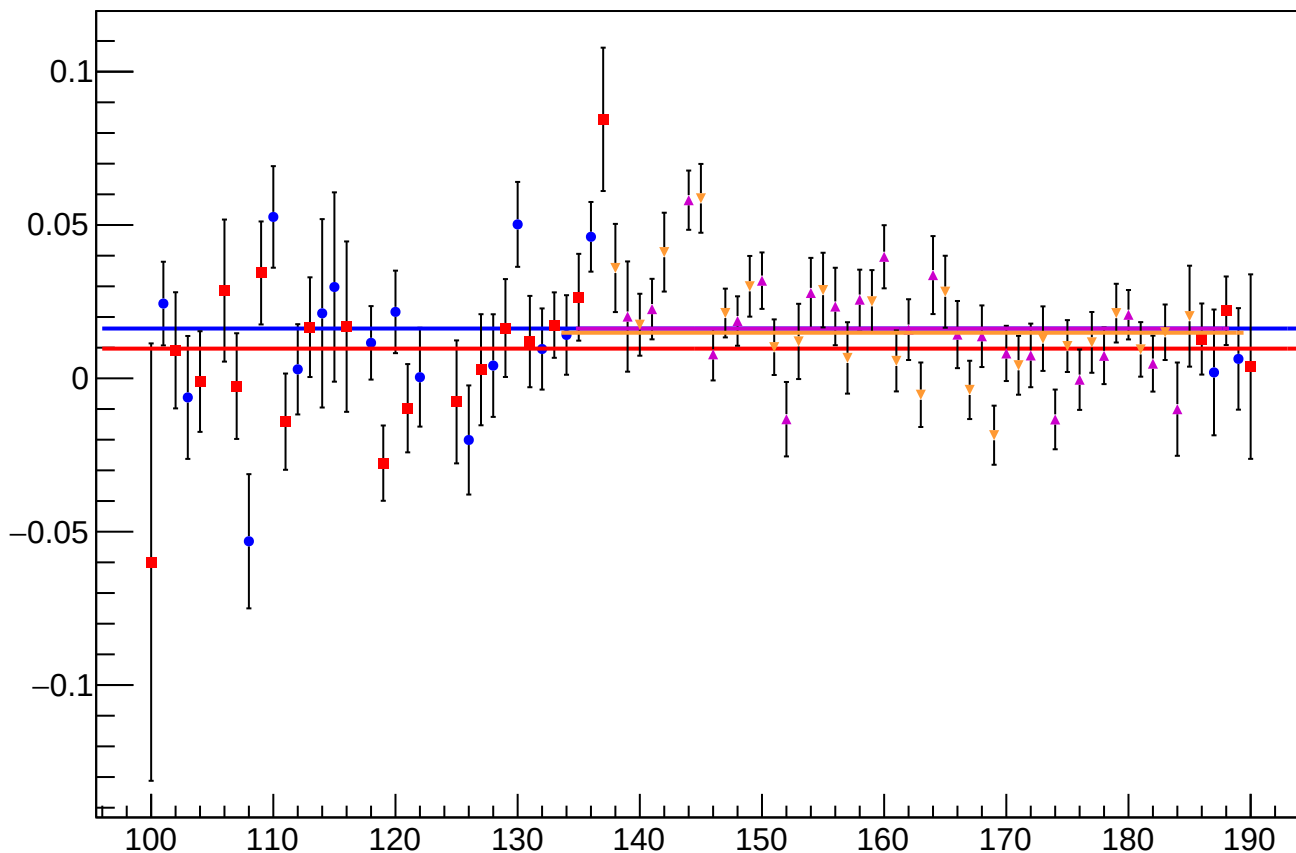
Left In: -0.013 ± 0.002 χ^2/NDF : 458.6/22

+ sign -0.003 ± 0.002 χ^2/NDF : 1379.7/41

All: 0.002 ± 0.001 χ^2/NDF : 2757.5/85

- sign 0.005 ± 0.002 χ^2/NDF : 1367.4/43

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.016 $\pm$ 0.004 χ^2 /NDF: 37.6/17

Left Out: 0.015 $\pm$ 0.002 χ^2 /NDF: 52.1/23

Right Out: 0.010 $\pm$ 0.003 χ^2 /NDF: 32.9/20

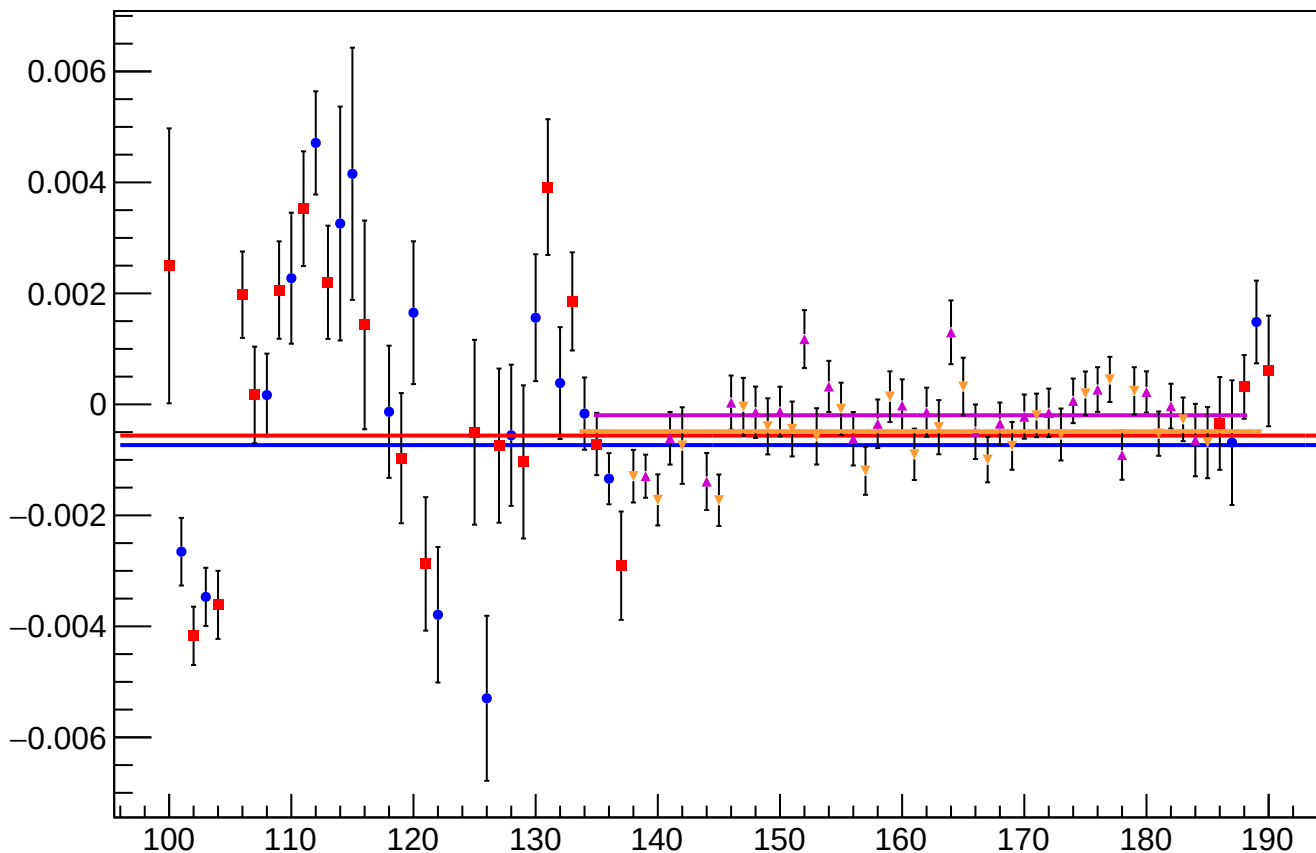
Left In: 0.016 $\pm$ 0.002 χ^2 /NDF: 58.0/22

+ sign 0.015 $\pm$ 0.002 χ^2 /NDF: 89.7/41

All: 0.015 $\pm$ 0.001 χ^2 /NDF: 183.3/85

- sign 0.014 $\pm$ 0.002 χ^2 /NDF: 93.5/43

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.001 ± 0.000 χ^2/NDF : 123.7/17

Left Out: -0.000 ± 0.000 χ^2/NDF : 40.8/23

Right Out: -0.001 ± 0.000 χ^2/NDF : 152.1/20

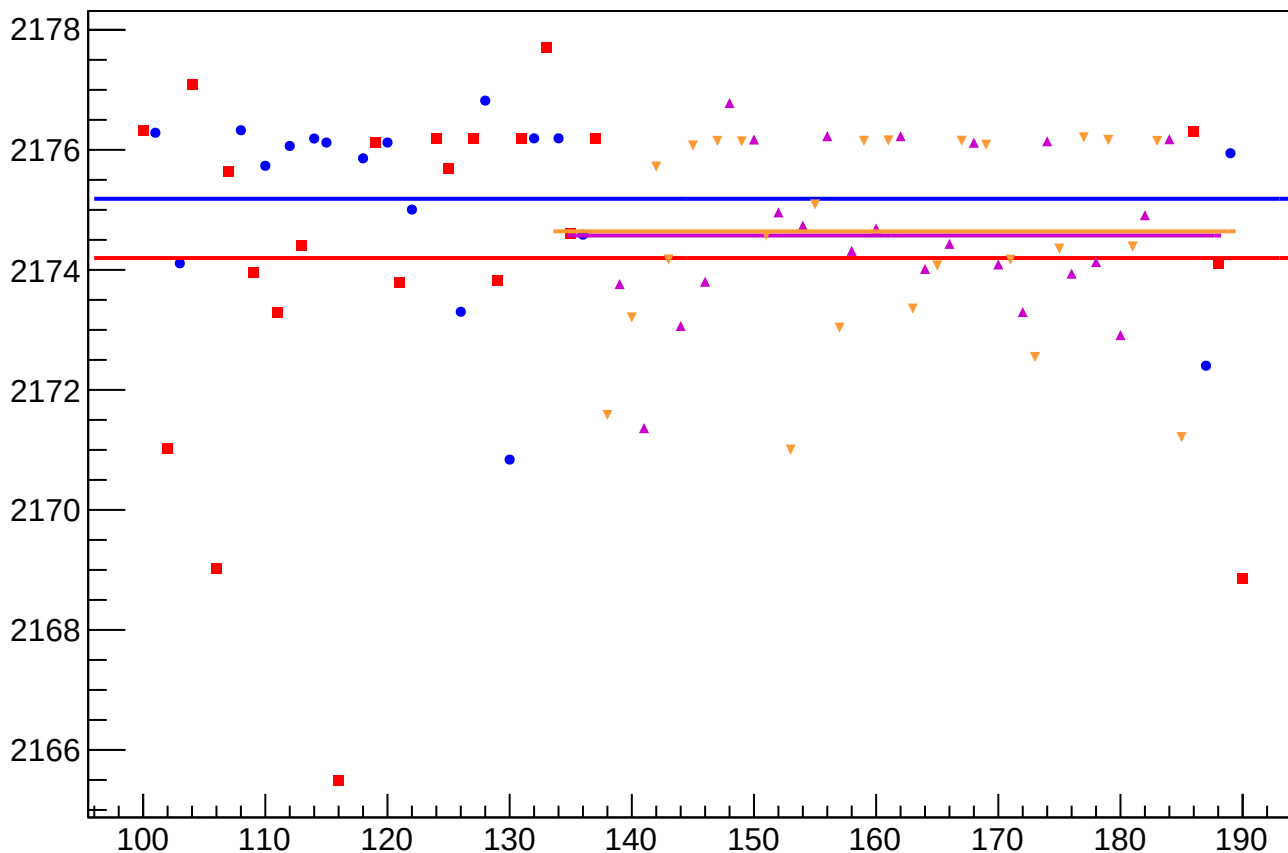
Left In: -0.000 ± 0.000 χ^2/NDF : 37.2/22

+ sign -0.001 ± 0.000 χ^2/NDF : 165.8/41

All: -0.000 ± 0.000 χ^2/NDF : 362.9/85

- sign -0.000 ± 0.000 χ^2/NDF : 192.3/43

HALLA_p_mean vs Slug



Right In: 2175.185+/-0.000 χ^2/NDF : 1944090798534021577018795072946176.0/17

Left Out: 2174.643+/-0.000 χ^2/NDF : 5211684446319442157199657598451712.0/24

Right Out: 2174.197+/-0.000 χ^2/NDF : 6682508206009206496674811492696064.0/21

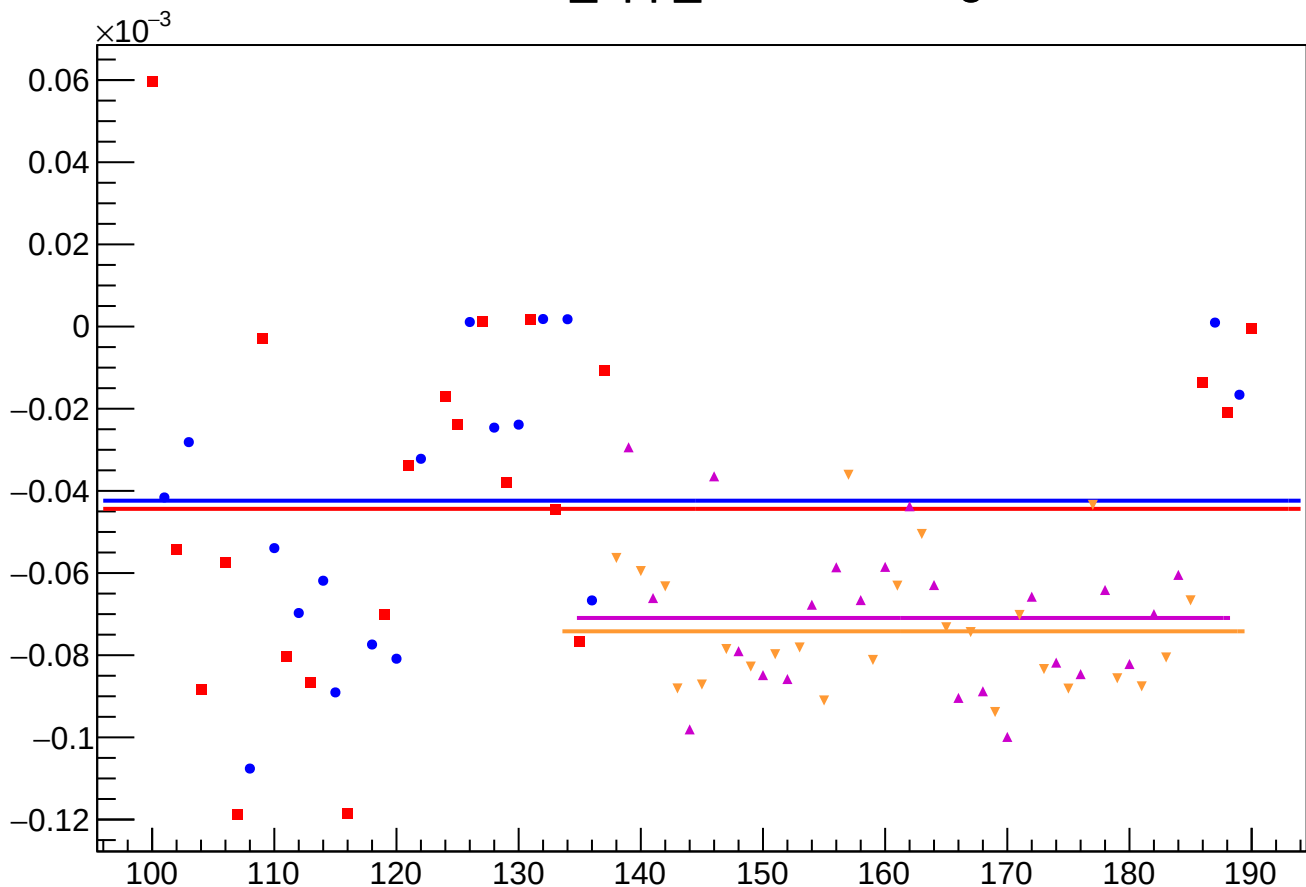
Left In: 2174.573+/-0.000 χ^2/NDF : 3431267097793838845728863815729152.0/22

+ sign 2174.798+/-0.000 χ^2/NDF : 73264146383943

All: 2174.623+/-0.000 χ^2/NDF : 17702378948

- sign 2174.449+/-0.000 χ^2/NDF : 10202550505191

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 791371024838306465579008.0/17

Left Out: -0.000+/-0.000 χ^2/NDF : 471834768551309792509952.0/24

Right Out: -0.000+/-0.000 χ^2/NDF : 1203961042385714355896320.0/21

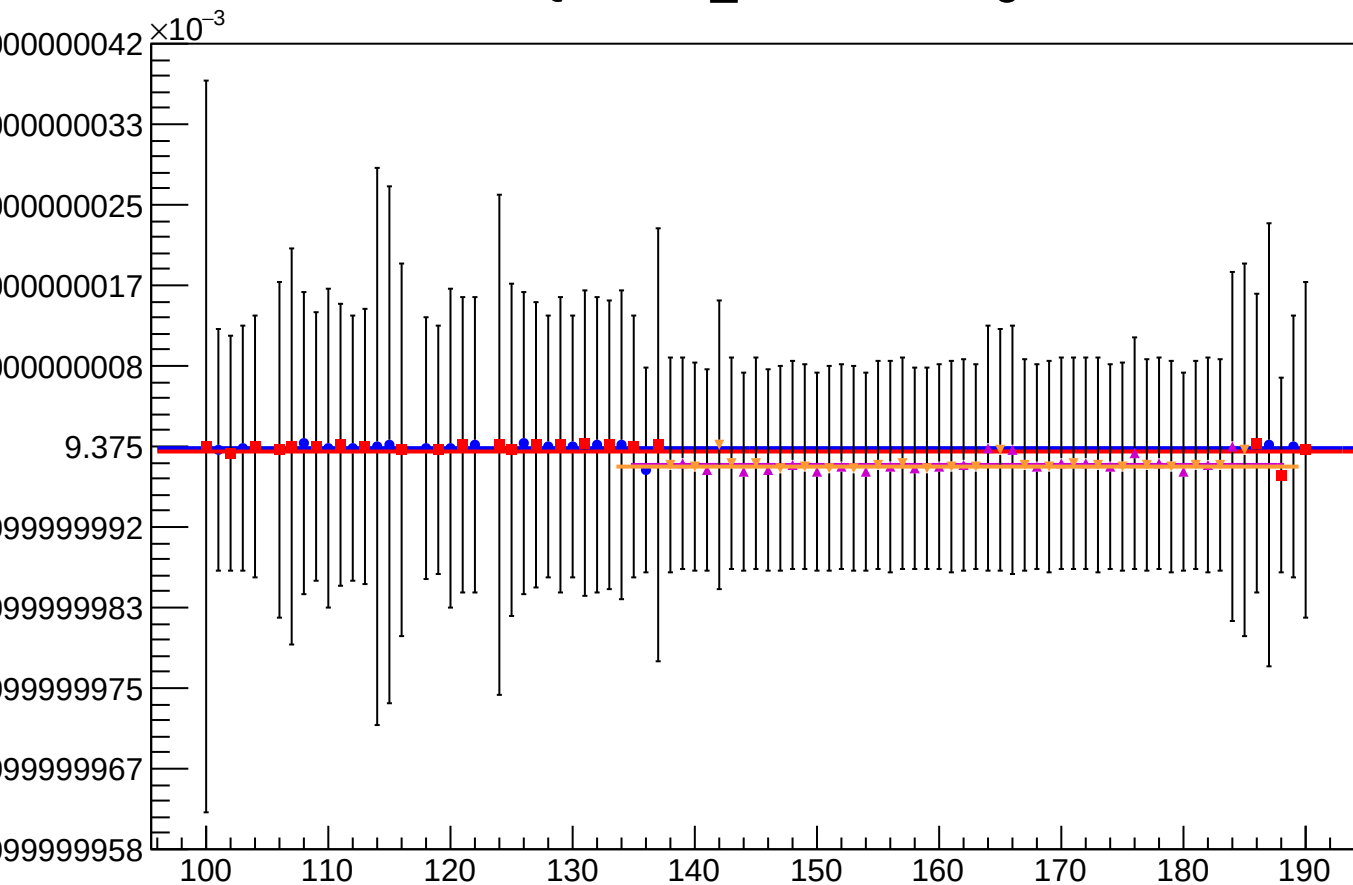
Left In: -0.000+/-0.000 χ^2/NDF : 631091526789889368522752.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 1849672382072253

All: -0.000+/-0.000 χ^2/NDF : 4139840257497

- sign -0.000+/-0.000 χ^2/NDF : 22784838565894558

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

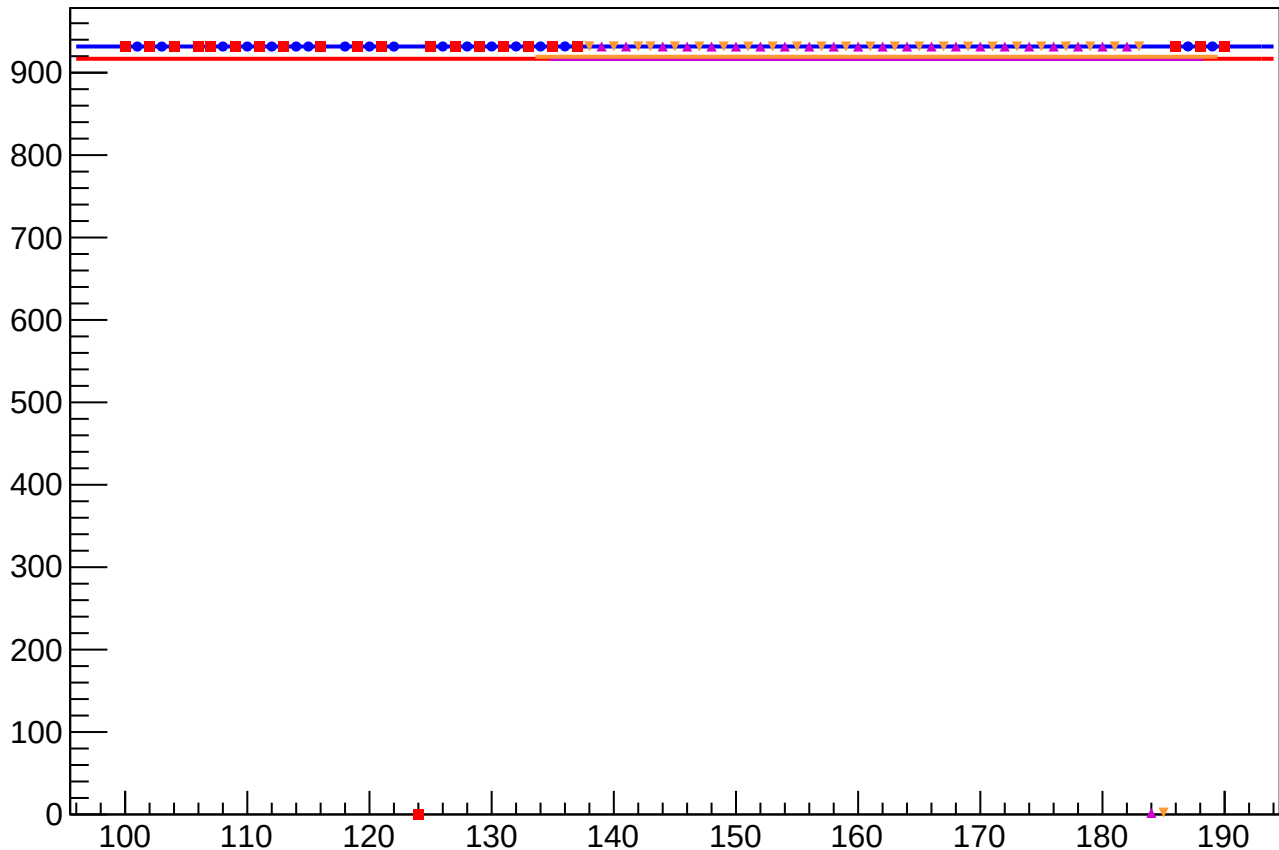
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/87

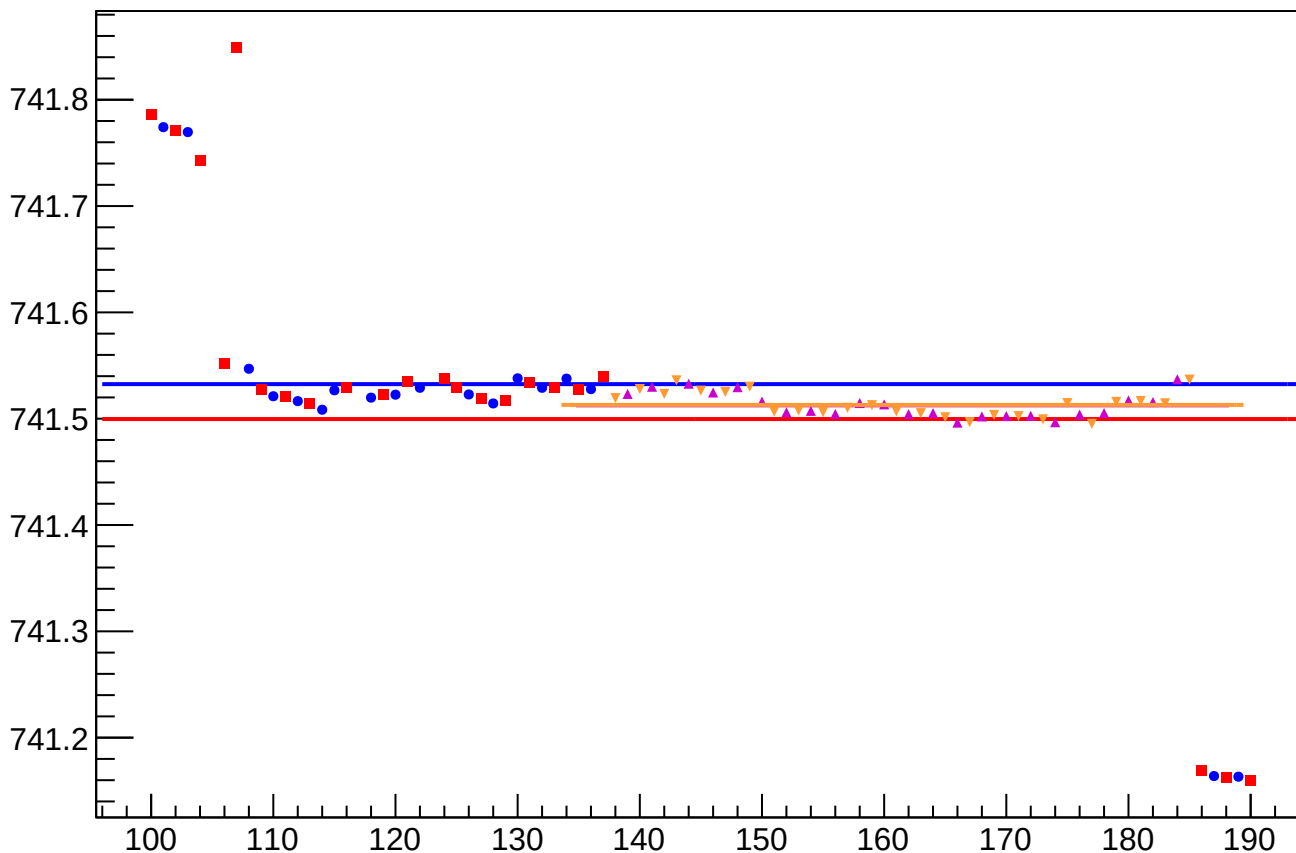
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/44

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.776+/-0.000 χ^2/NDF : 3142671202643525494267176812544.0/17
 Left Out: 919.347+/-0.000 χ^2/NDF : 23021123496215280619041526133081243648.0/24
 Right Out: 916.879+/-0.000 χ^2/NDF : 12814064953809756513996226660906565632.0/21
 Left In: 916.654+/-0.000 χ^2/NDF : 26369744931183548073785664842185572352.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.532 $\pm$ 0.000 χ^2 /NDF: 17355100792144198704781772980224.0/17

Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 251976310768126296231889600512.0/24

Right Out: 741.500 $\pm$ 0.000 χ^2 /NDF: 31995115284050148124623965782016.0/21

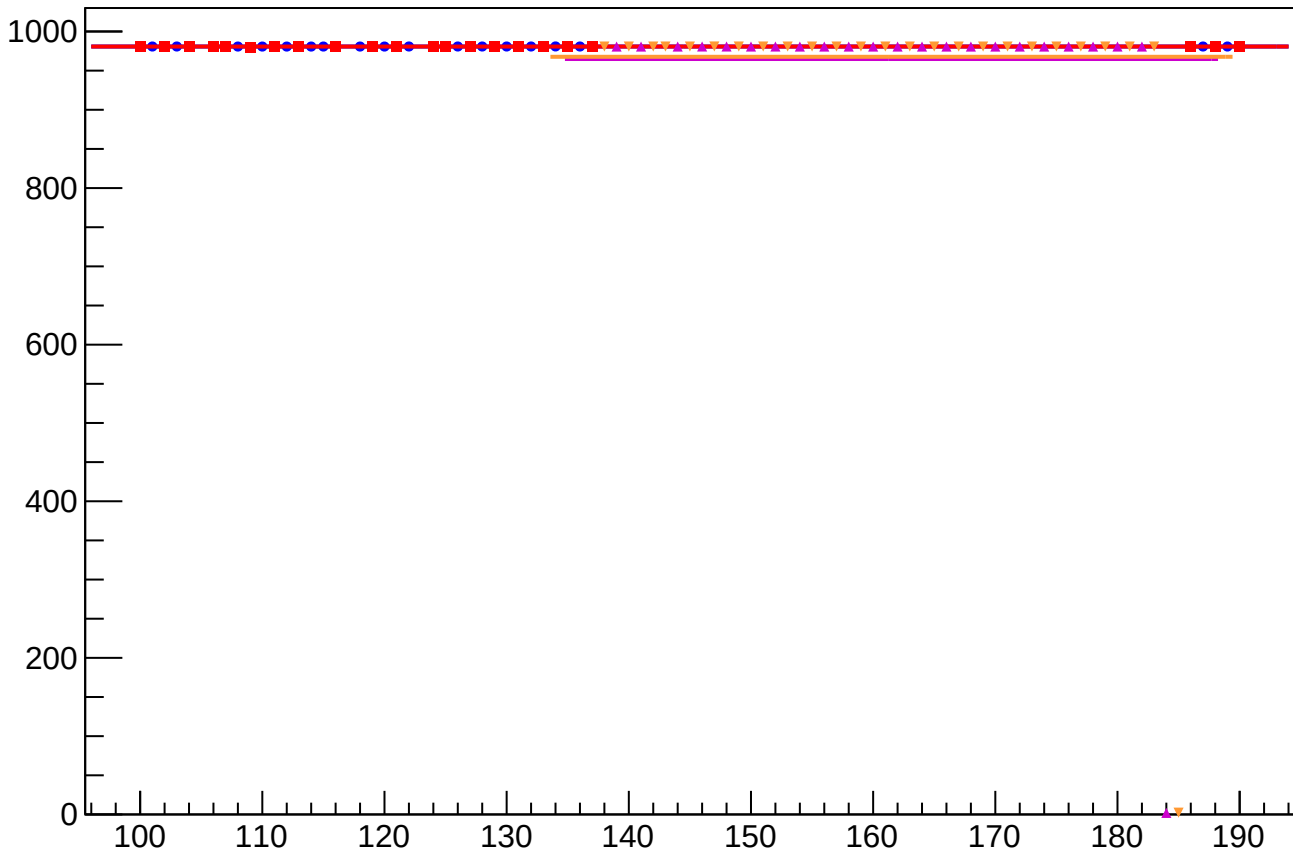
Left In: 741.513 $\pm$ 0.000 χ^2 /NDF: 234703983030085423185895882752.0/22

+ sign 741.519 $\pm$ 0.000 χ^2 /NDF: 178284050674226

All: 741.513 $\pm$ 0.000 χ^2 /NDF: 503122216876

- sign 741.508 $\pm$ 0.000 χ^2 /NDF: 323344421516817

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804 $\pm$ 0.000

χ^2 /NDF: 936100460929201627335854391296.0/17

Left Out: 967.677 $\pm$ 0.000

χ^2 /NDF: 25505155603279925641541295779633692672.0/24

Right Out: 980.758 $\pm$ 0.000

χ^2 /NDF: 61658544675293265691846908051456.0/21

Left In: 964.854 $\pm$ 0.000

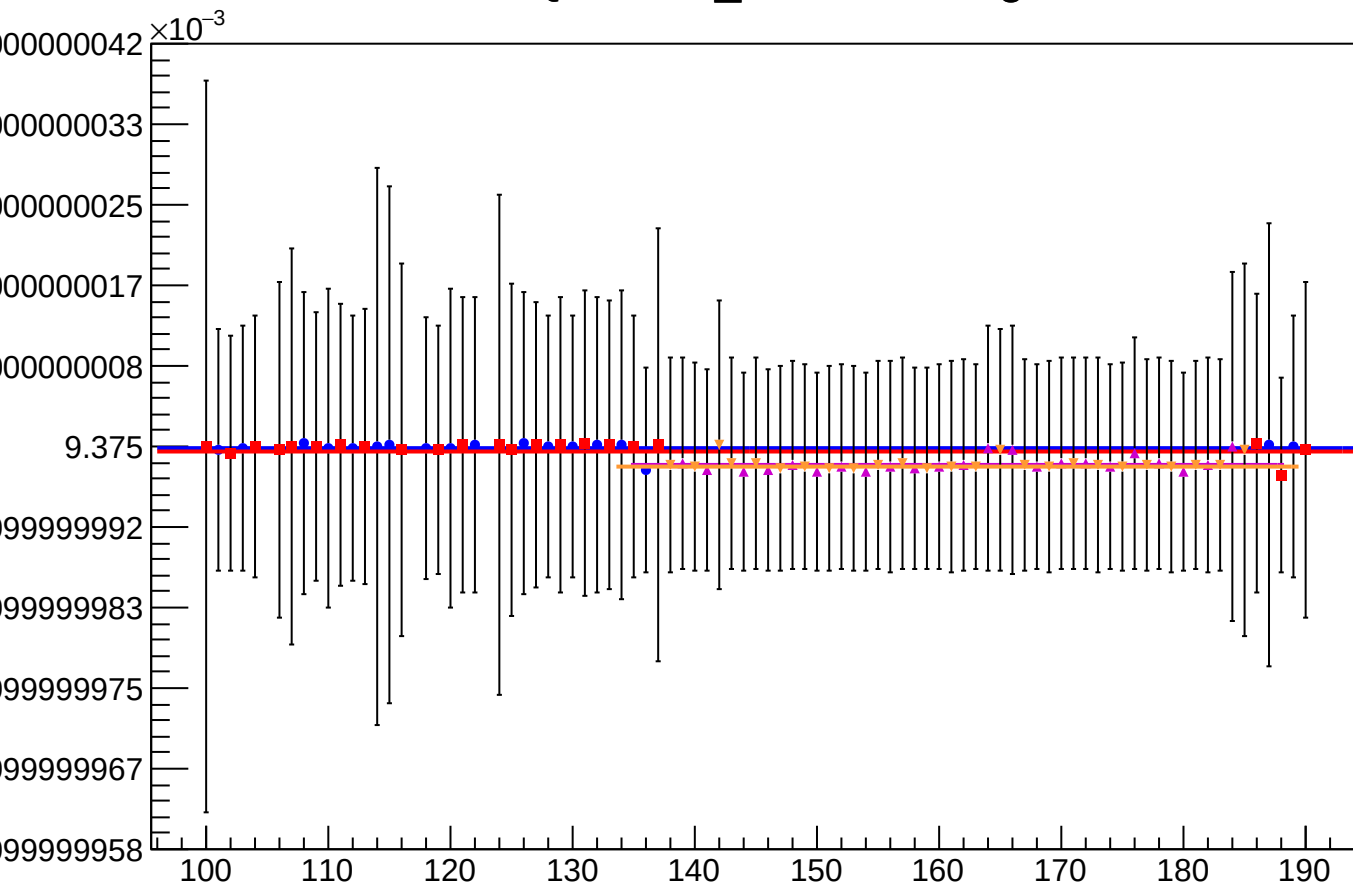
χ^2 /NDF: 29215838960103078784112845628245016576.0/22

+ sign 971.450 $\pm$ 0.000 χ^2 /NDF: 256051072237110

All: 970.773 $\pm$ 0.000 χ^2 /NDF: 549826012666

- sign 970.099 $\pm$ 0.000 χ^2 /NDF: 293749069862306

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

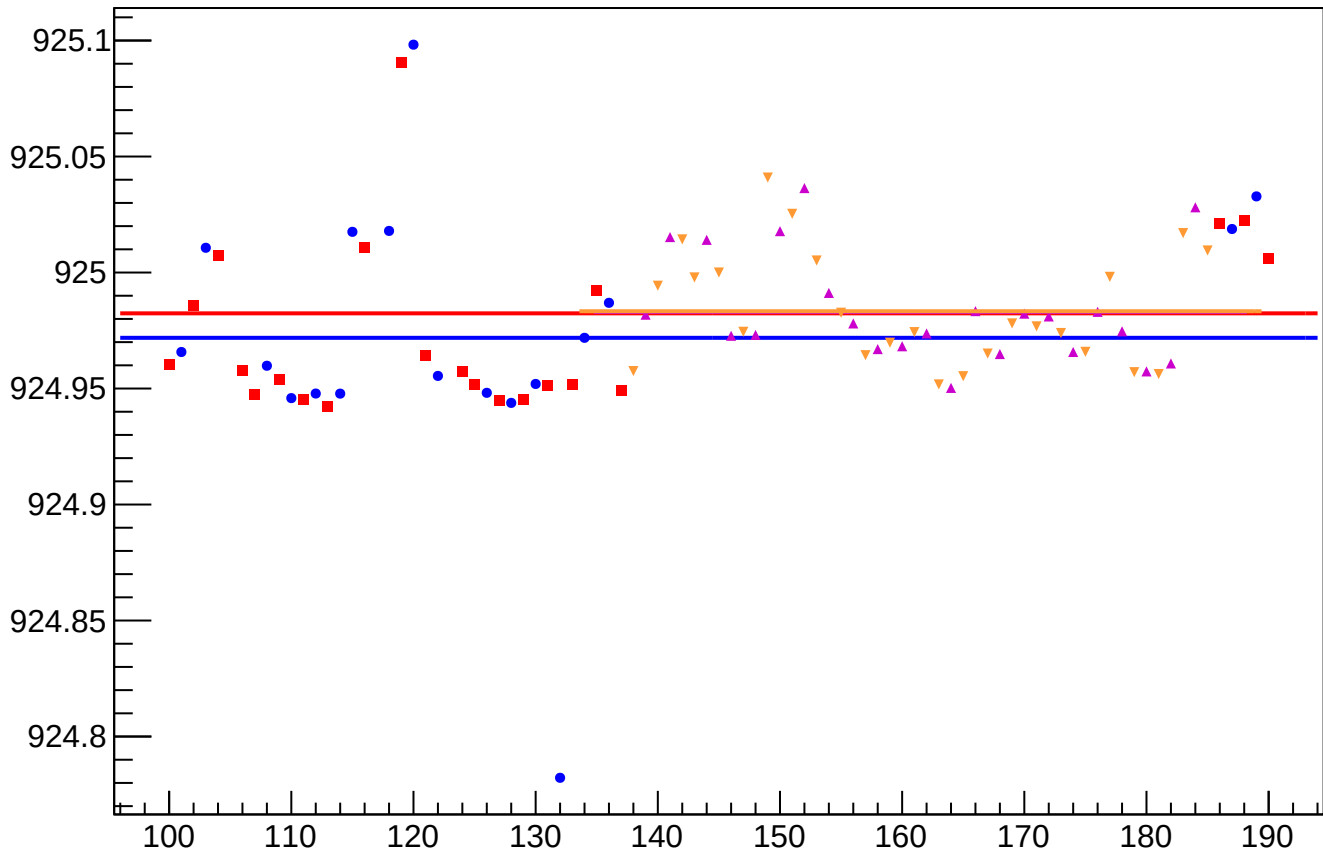
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/44

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.972 $\pm$ 0.000 χ^2 /NDF: 2810458903902001143901545562112.0/17

Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1161112698344246137667167715328.0/24

Right Out: 924.982 $\pm$ 0.000 χ^2 /NDF: 1535200765781780053777872584704.0/21

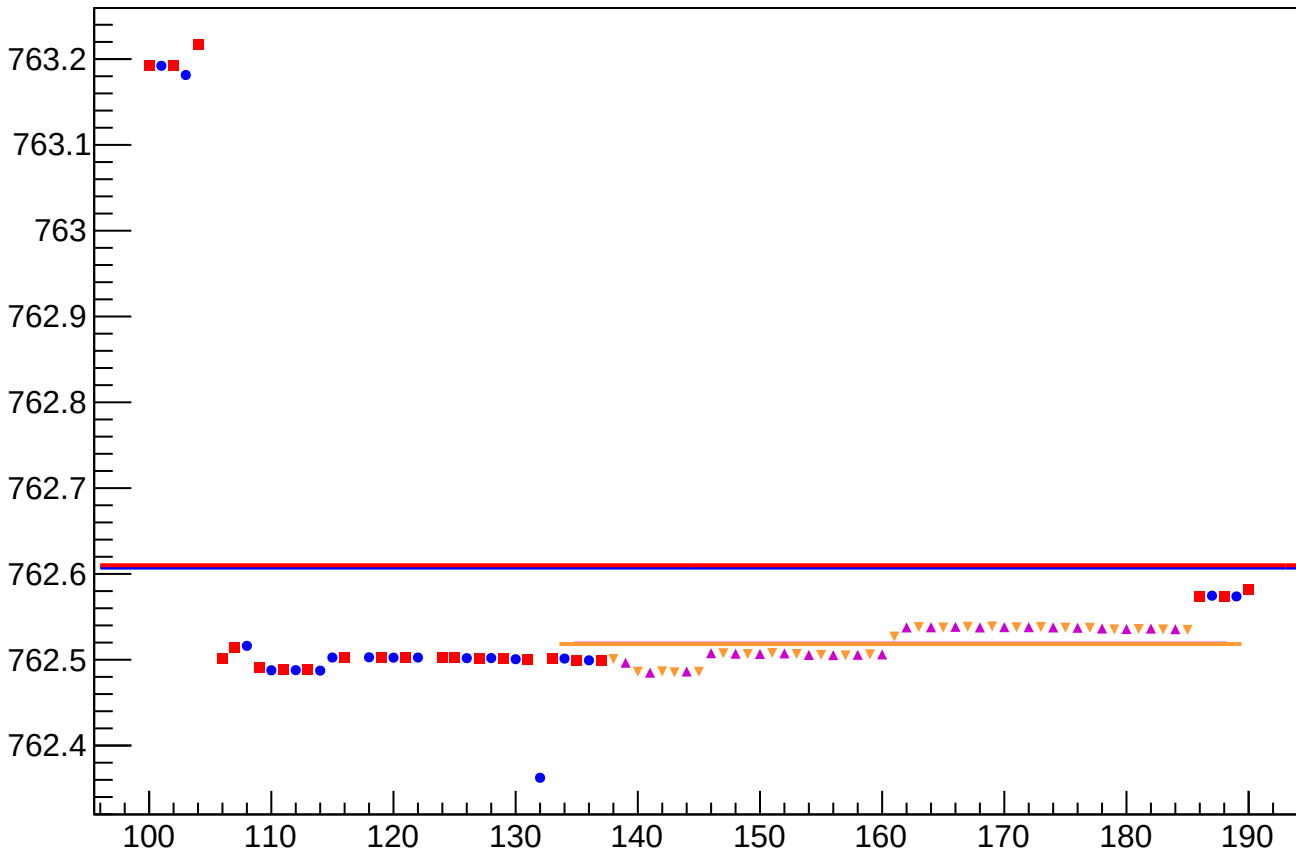
Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 928270307181587701368348475392.0/22

+ sign 924.980 $\pm$ 0.000 χ^2 /NDF: 404762167509660

All: 924.981 $\pm$ 0.000 χ^2 /NDF: 652239846040

- sign 924.983 $\pm$ 0.000 χ^2 /NDF: 246369681840490

HacR_D1_HP3458A_IOUT_mean vs Slug



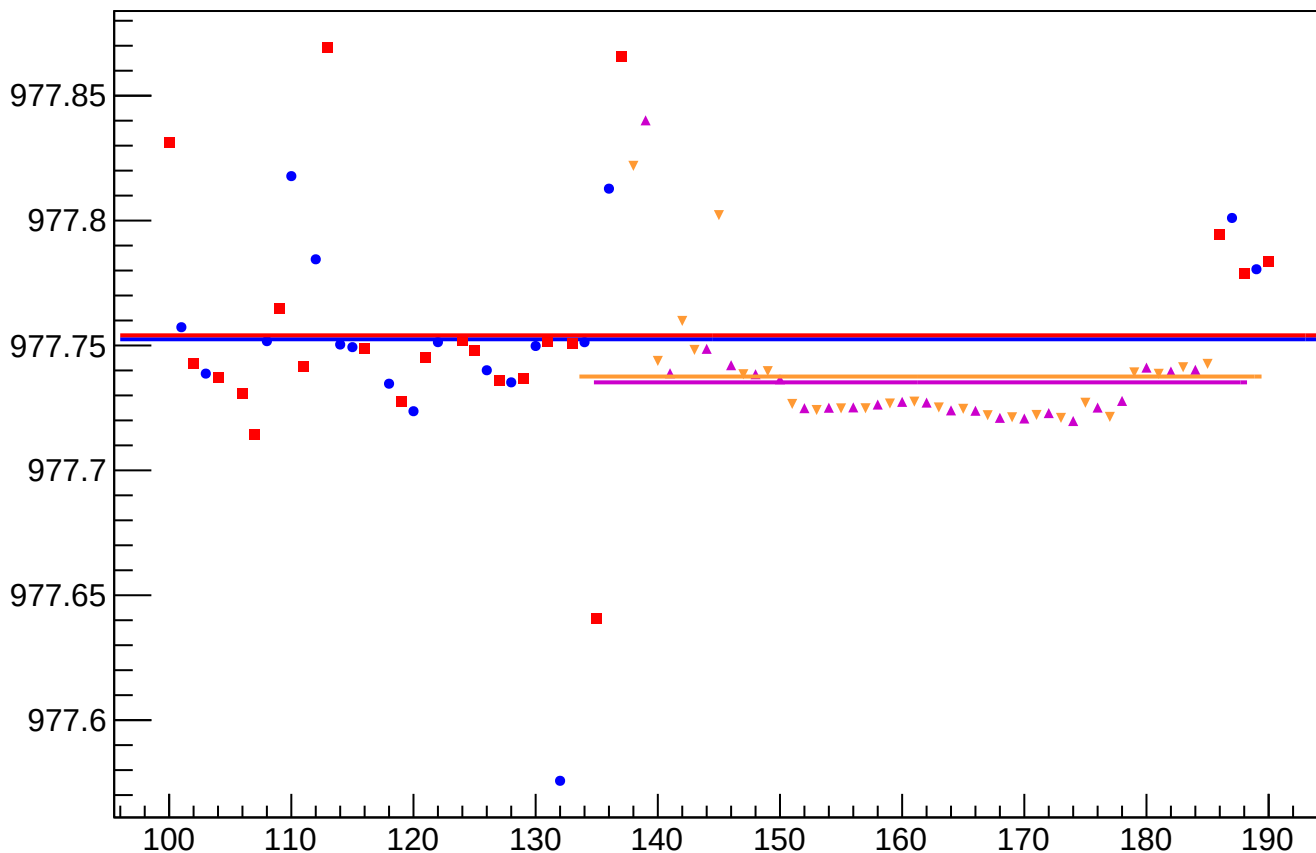
Right In: 762.607+/-0.000 χ^2/NDF : 52250933778995117475440806068224.0/17

Left Out: 762.518+/-0.000 χ^2 /NDF:767703709161817083348479115264.0/24

Right Out: 762.610+/-0.000 χ^2/NDF : 53393734307829989463286821683200.0/21

Left In: 762.519+/-0.000 χ^2/NDF :670647537781259394452119617536.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.752 +/- 0.000 χ^2/NDF : 2054861935262557094567200423936.0/17

Left Out: 977.738 +/- 0.000 χ^2/NDF : 1178407872566336572325000904704.0/24

Right Out: 977.754 +/- 0.000 χ^2/NDF : 1976069242246984907493080039424.0/21

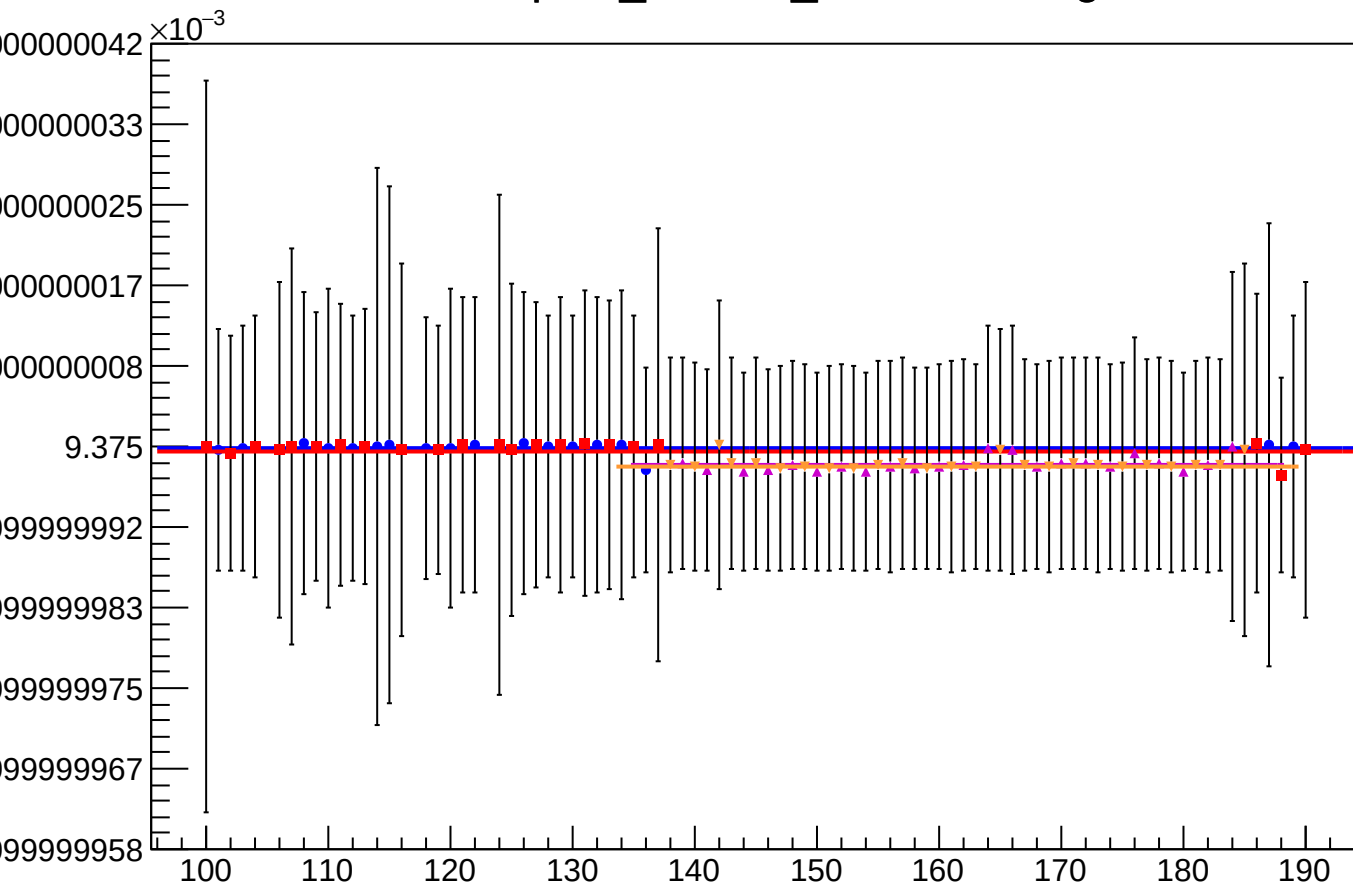
Left In: 977.735 +/- 0.000 χ^2/NDF : 1096766437605417254627072540672.0/22

+ sign 977.742 +/- 0.000 χ^2/NDF : 336235806534906

All: 977.742 +/- 0.000 χ^2/NDF : 665820340627

- sign 977.741 +/- 0.000 χ^2/NDF : 329560828677497

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

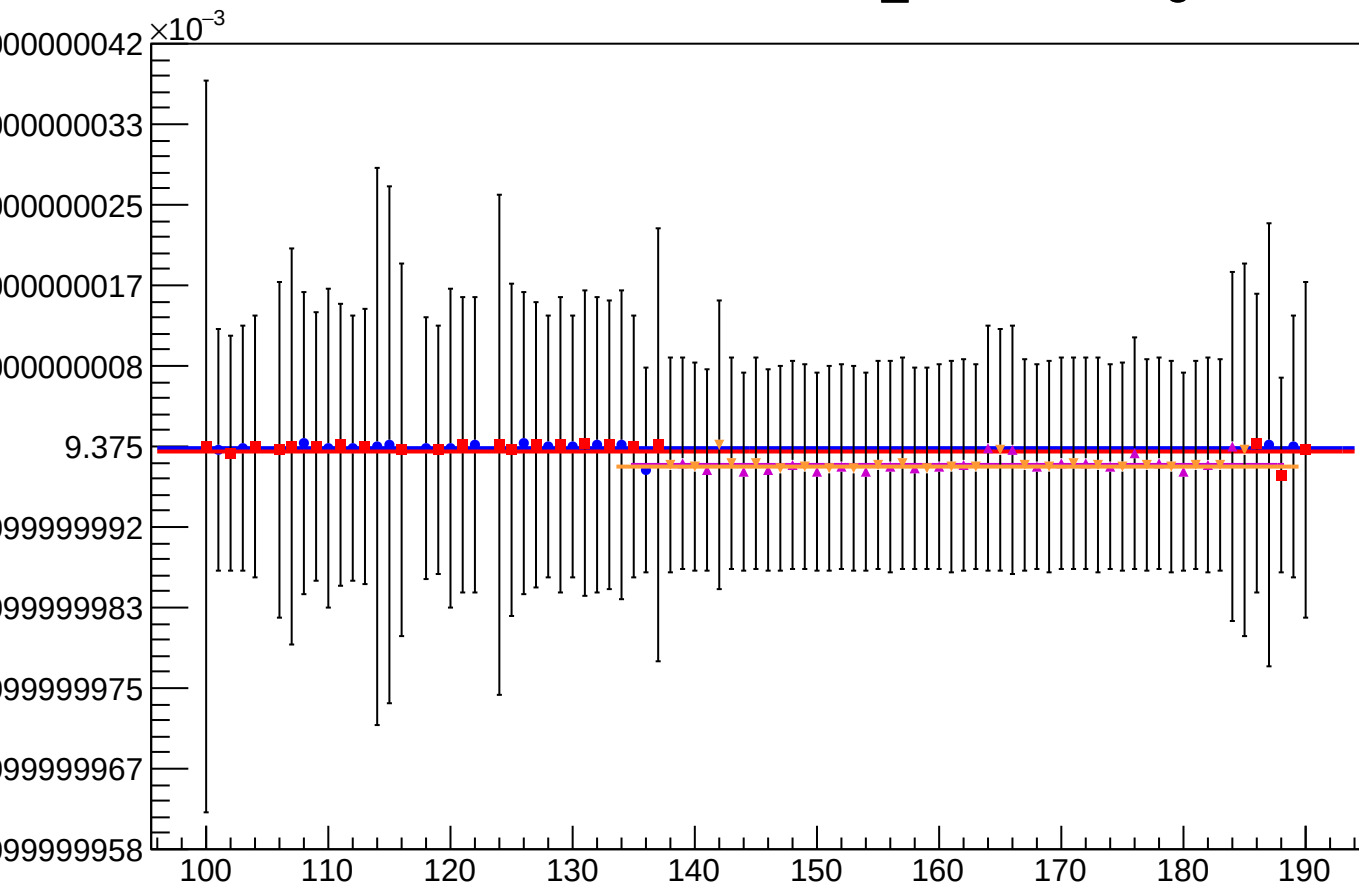
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/44

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

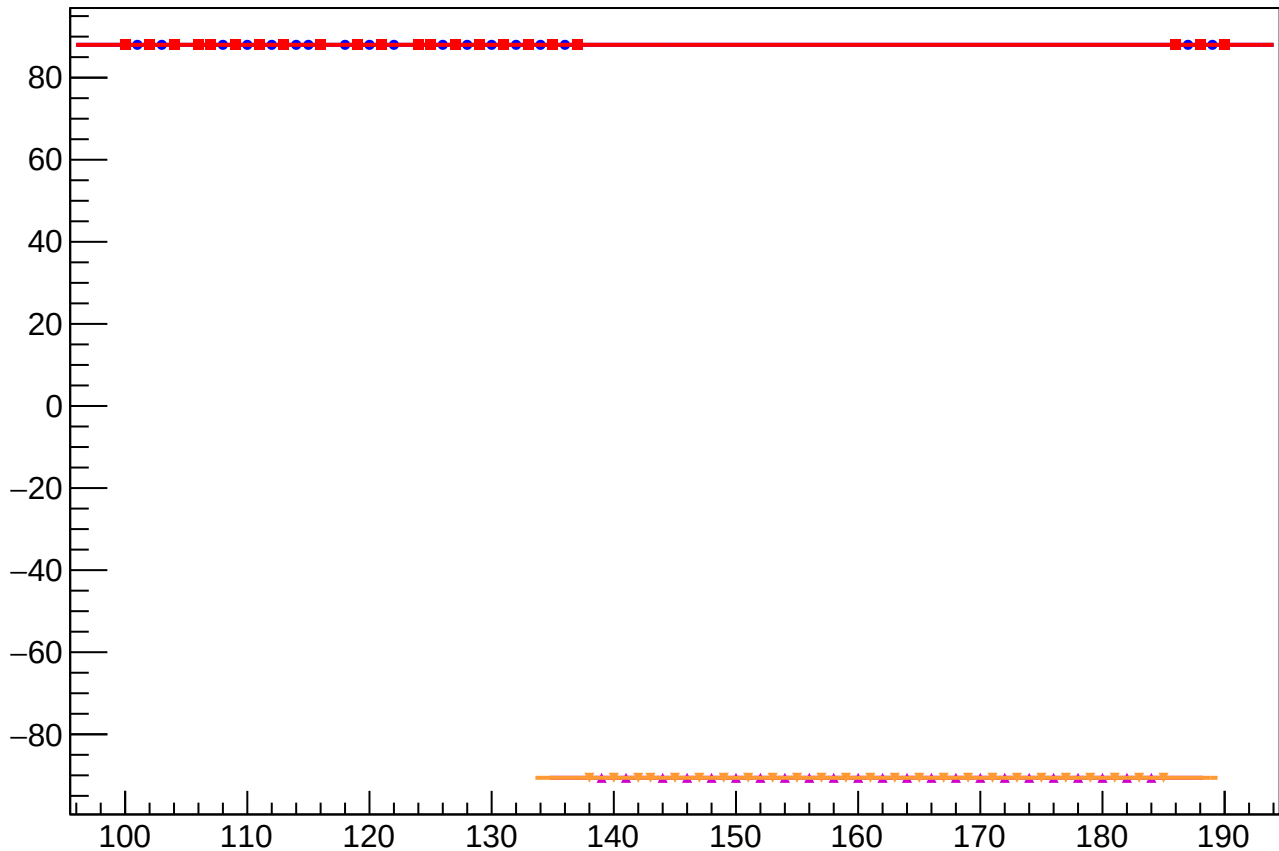
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/44

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1613567.6/17

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5219558.1/24

Right Out: 88.003 $\pm$ 0.000 χ^2 /NDF: 74267588271802344302912208896.0/21

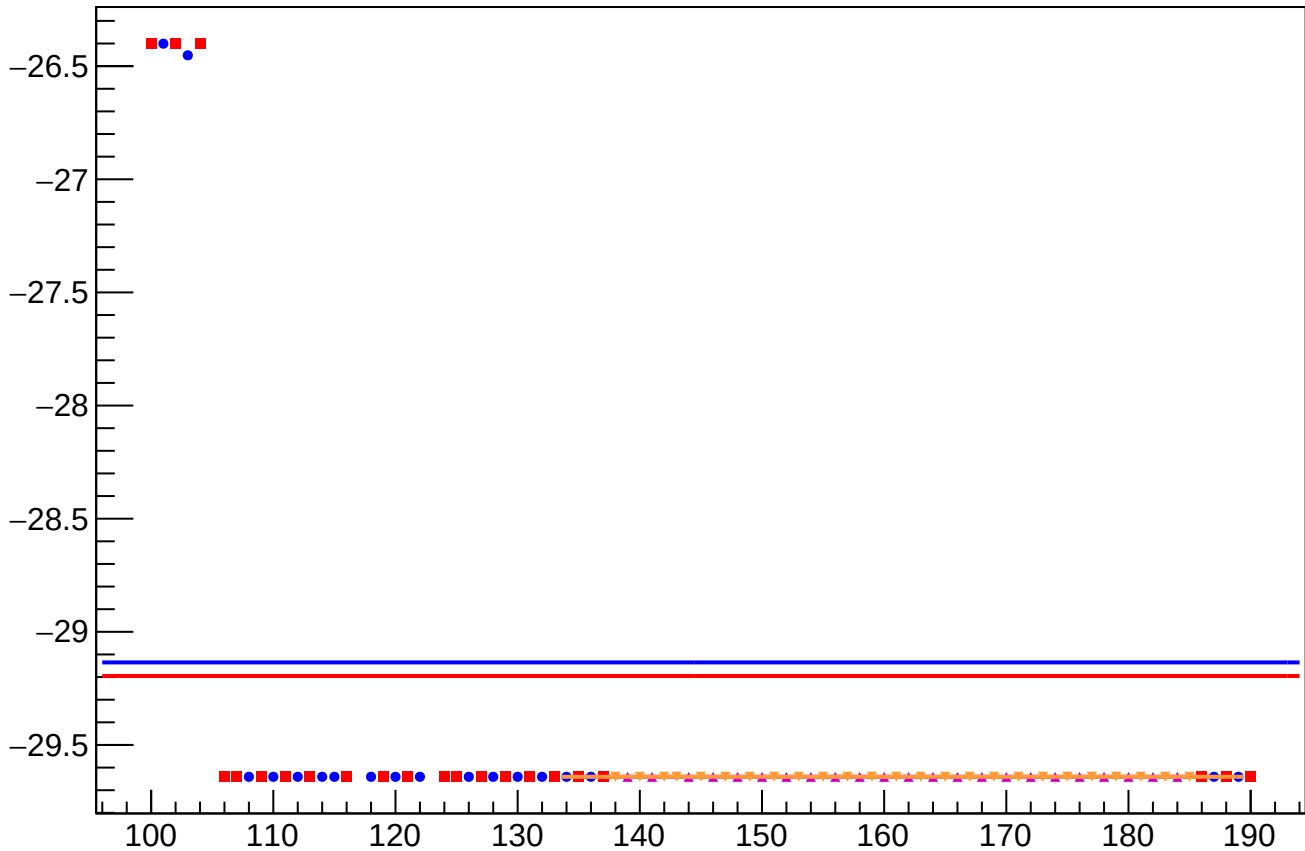
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7520558.1/22

+ sign -39.264 $\pm$ 0.000 χ^2 /NDF: 185018530331638

All: -35.471 $\pm$ 0.000 χ^2 /NDF: 386357502432

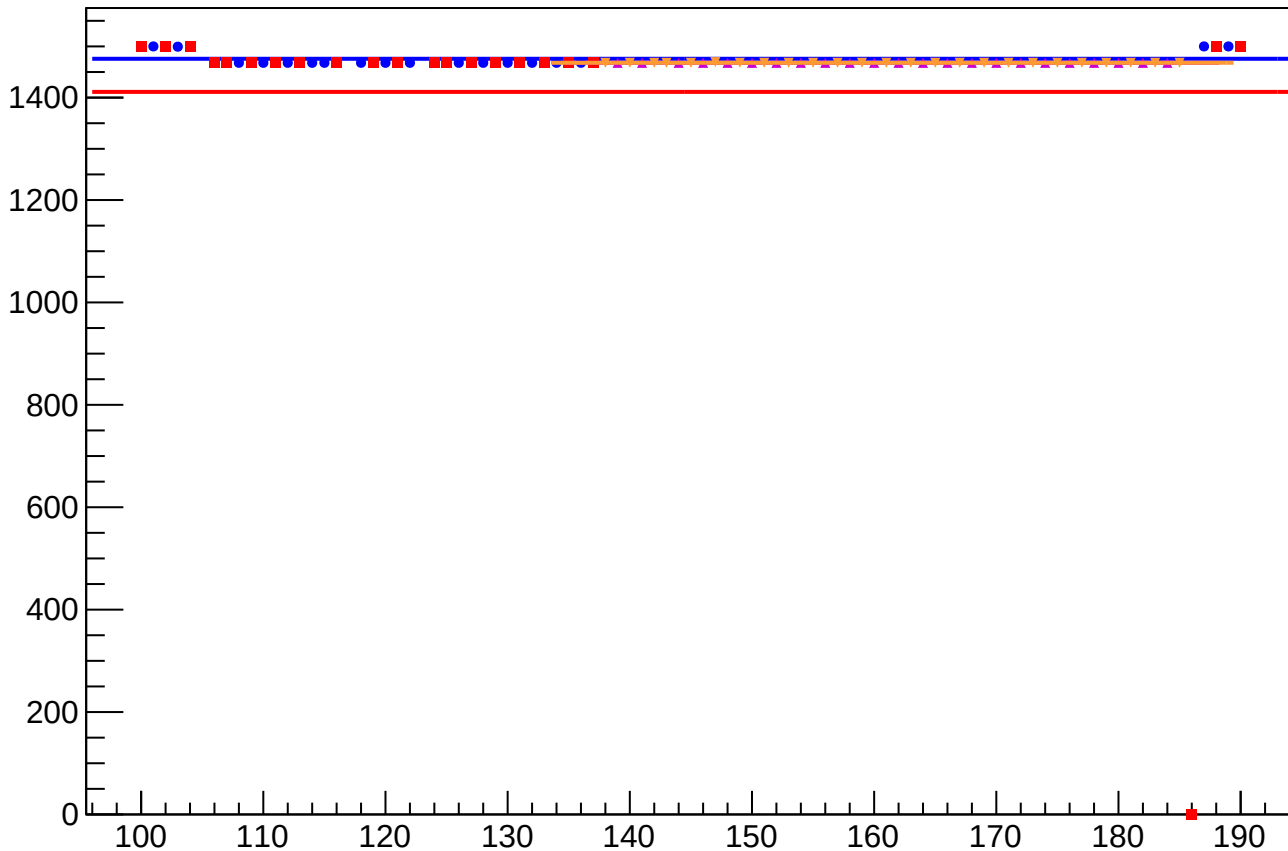
- sign -31.693 $\pm$ 0.000 χ^2 /NDF: 2005255650506051

HWienAngle_mean vs Slug



Right In: -29.135 ± 0.000 χ^2/NDF : 1114859572060392081071230599299072.0/17
 Left Out: -29.641 ± 0.000 χ^2/NDF : 409122.2/24
 Right Out: -29.195 ± 0.000 χ^2/NDF : 1167953127505350009235436847759360.0/21
 Left In: -29.641 ± 0.000 χ^2/NDF : 290780.4/22
 All: -29.495 ± 0.000 χ^2/NDF : 255584766704
 + sign -29.495 ± 0.000 χ^2/NDF : 126307757941887
 - sign -29.494 ± 0.000 χ^2/NDF : 1292766151898728

psub_pl_pos_mean vs Slug



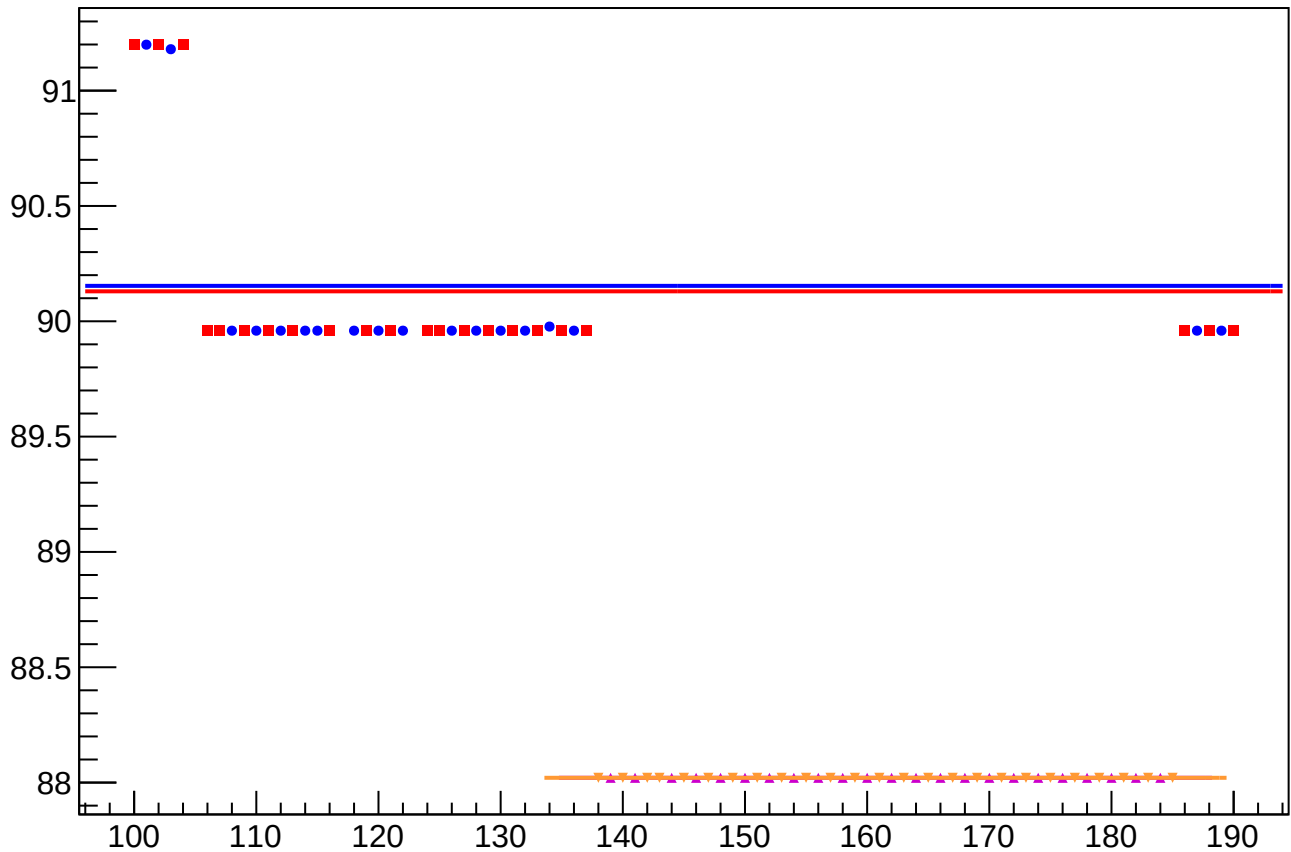
Right In: 1475.847+/-0.000 χ^2/NDF : 153678242204766632767006235548450816.0/17

Left Out: 1468.051+/-0.000 χ^2/NDF :139558223587677068165594208010240.0/24

Right Out: 1411.193+/-0.000 χ^2/NDF : 87751240463771737790970420982823518208.0/21

Left In: 1467.994+/-0.000 χ^2/NDF :155493808986096753755224539136.0/22

Phi_FG_mean vs Slug



Right In: 90.154+/-0.000 χ^2/NDF : 163038455487086172347008488046592.0/17

Left Out: 88.021+/-0.000 χ^2/NDF : 5113333.3/24

Right Out: 90.130+/-0.000 χ^2/NDF : 171071933475497641908817260183552.0/21

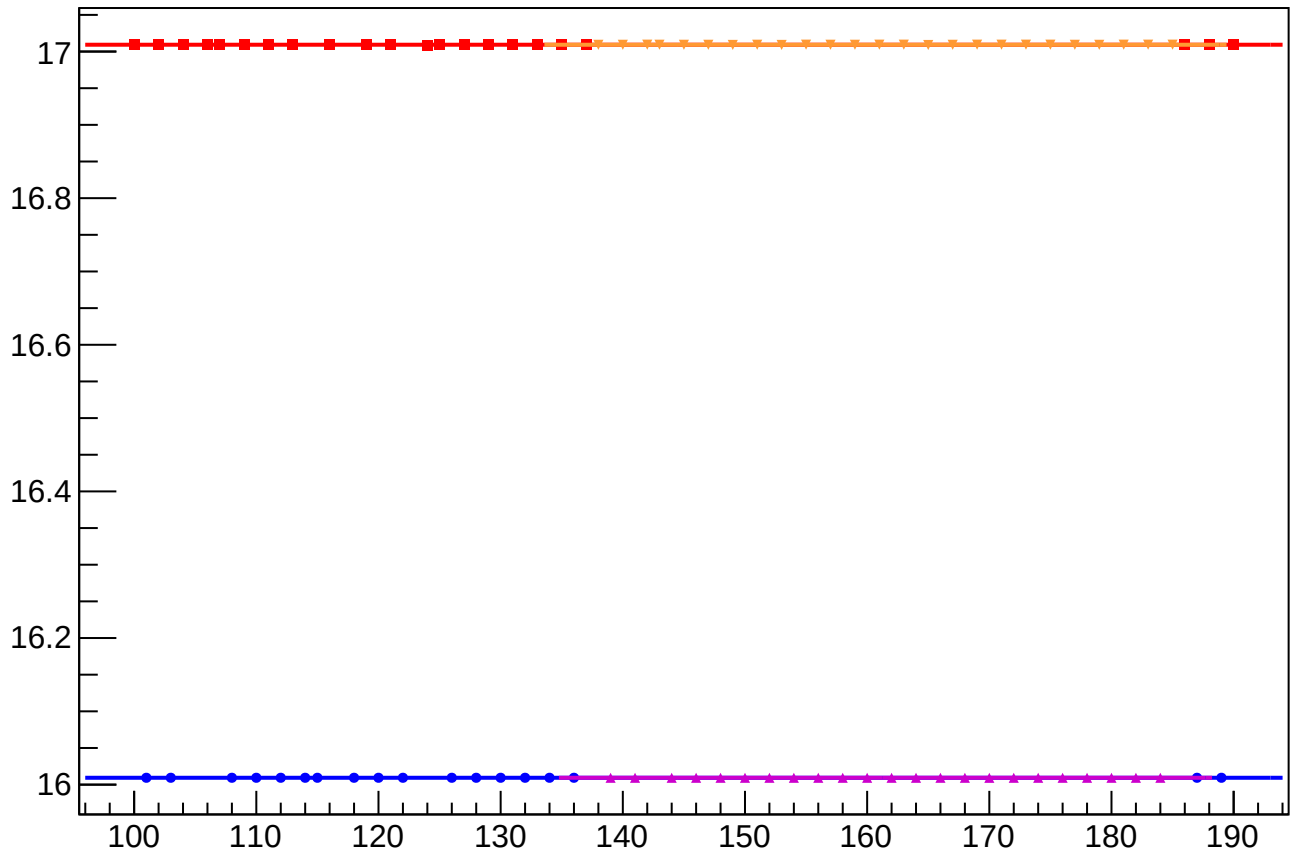
Left In: 88.021+/-0.000 χ^2/NDF : 7159272.4/22

+ sign 88.634+/-0.000 χ^2/NDF : 2801785015749983

All: 88.675+/-0.000 χ^2/NDF : 5778944552610

- sign 88.716+/-0.000 χ^2/NDF : 2967486286568358

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 48076.3/17

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 27990345675883689673752576.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 15273252681884791413407744.0/21

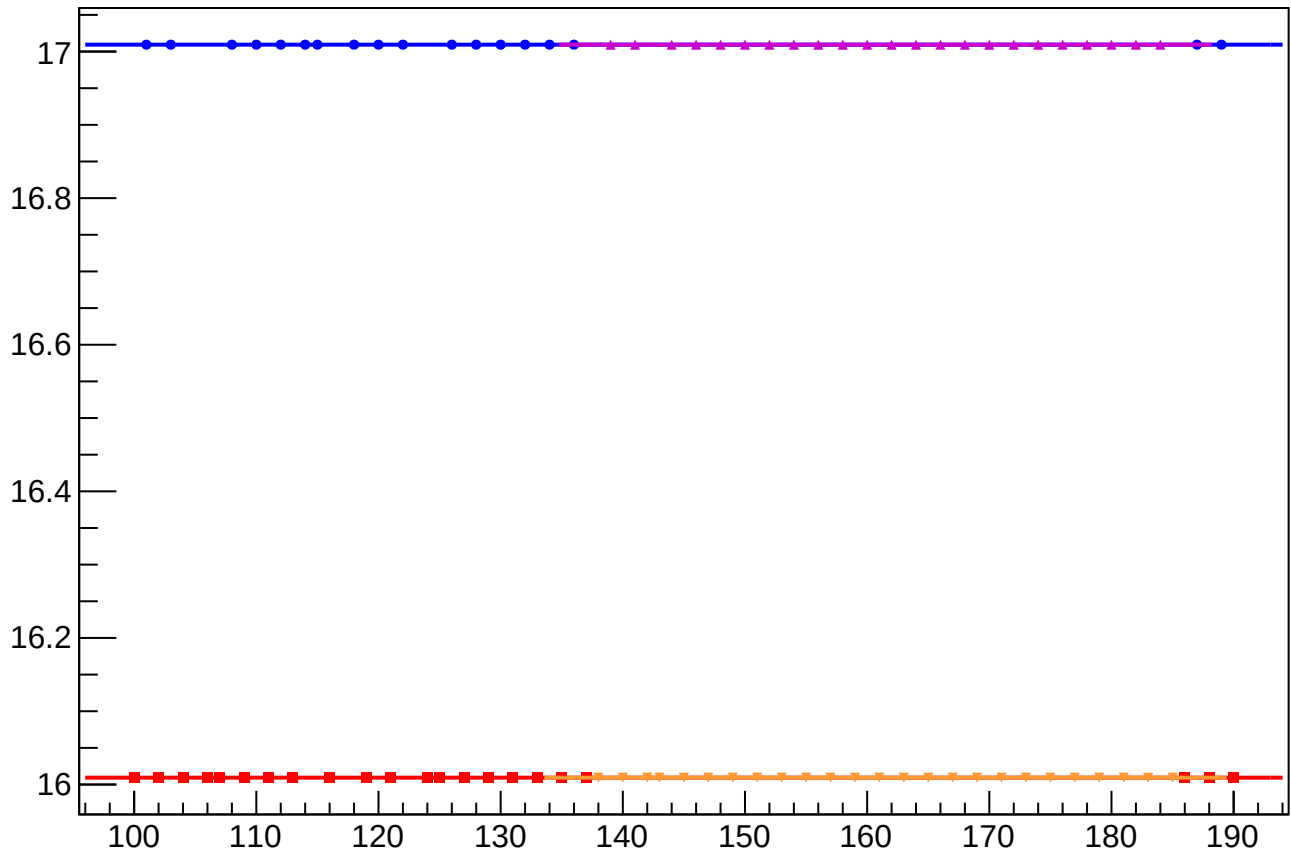
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 124687912167063523688448.0/22

+ sign 16.717 $\pm$ 0.000 χ^2 /NDF: 5479714409525198

All: 16.528 $\pm$ 0.000 χ^2 /NDF: 1318919431536

- sign 16.339 $\pm$ 0.000 χ^2 /NDF: 5821951875693398

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 116562.1/17

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 2818892758481805649117184.0/24

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 225058.9/21

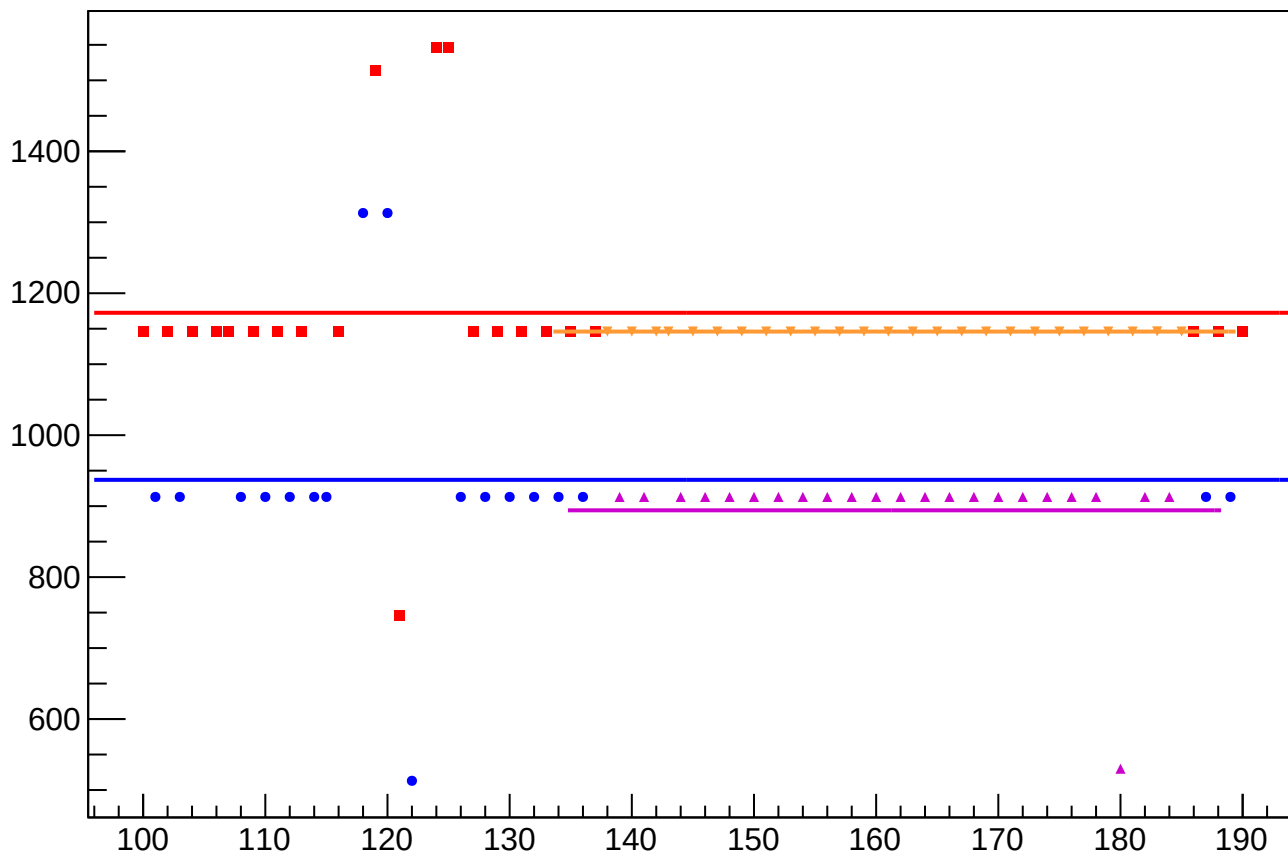
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 111007104420881566269440.0/22

+ sign 16.291 $\pm$ 0.000 χ^2 /NDF: 5605282766629024

All: 16.484 $\pm$ 0.000 χ^2 /NDF: 1387837626512

- sign 16.675 $\pm$ 0.000 χ^2 /NDF: 6217731434555947

RTPAPOSUCNT_mean vs Slug



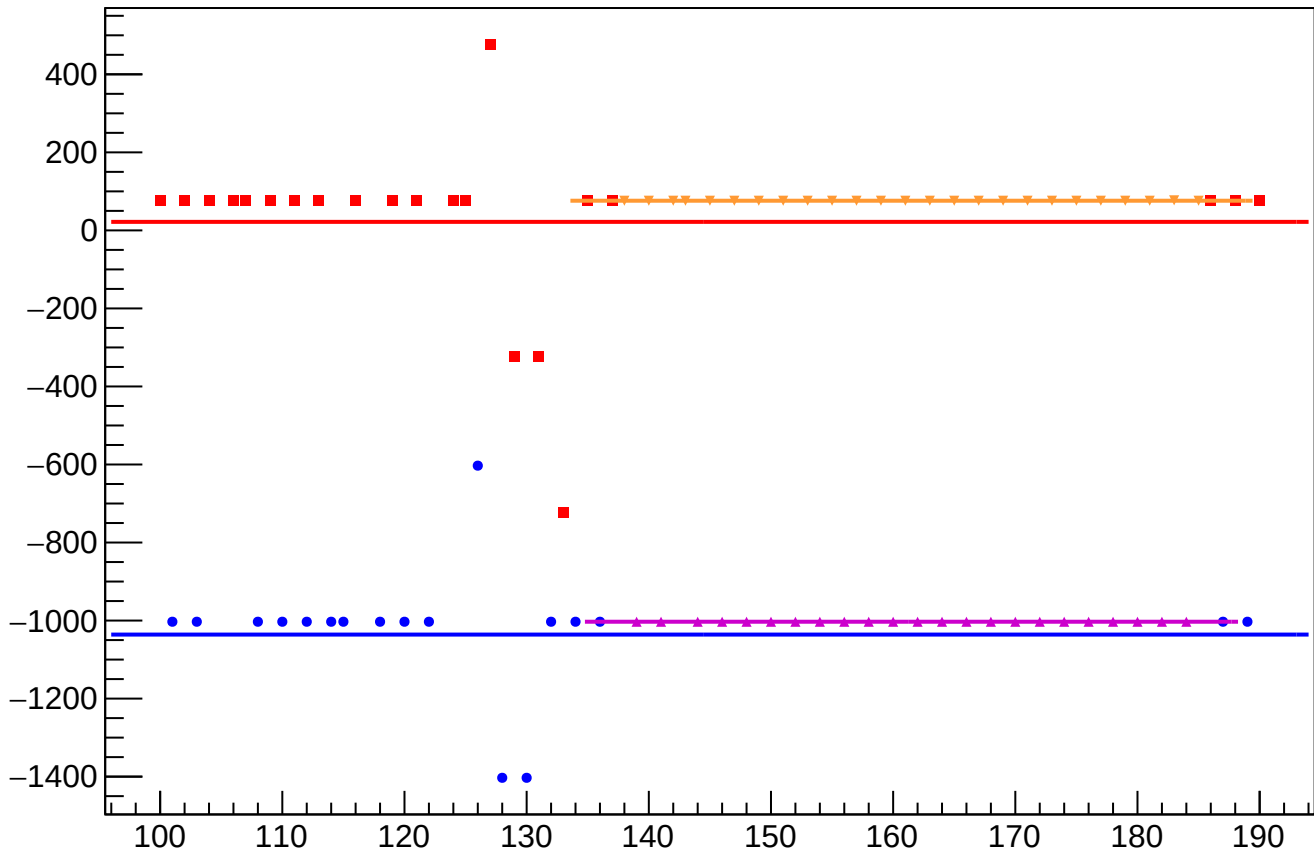
Right In: 937.074+/-0.000 χ^2/NDF : 21129422468799902185937465039319465984.0/17

Left Out: 1146.020+/-0.000 χ^2/NDF : 3703071297941871459906430697472.0/24

Right Out: 1172.449+/-0.000 χ^2/NDF : 22290651058346461082592142835694174208.0/21

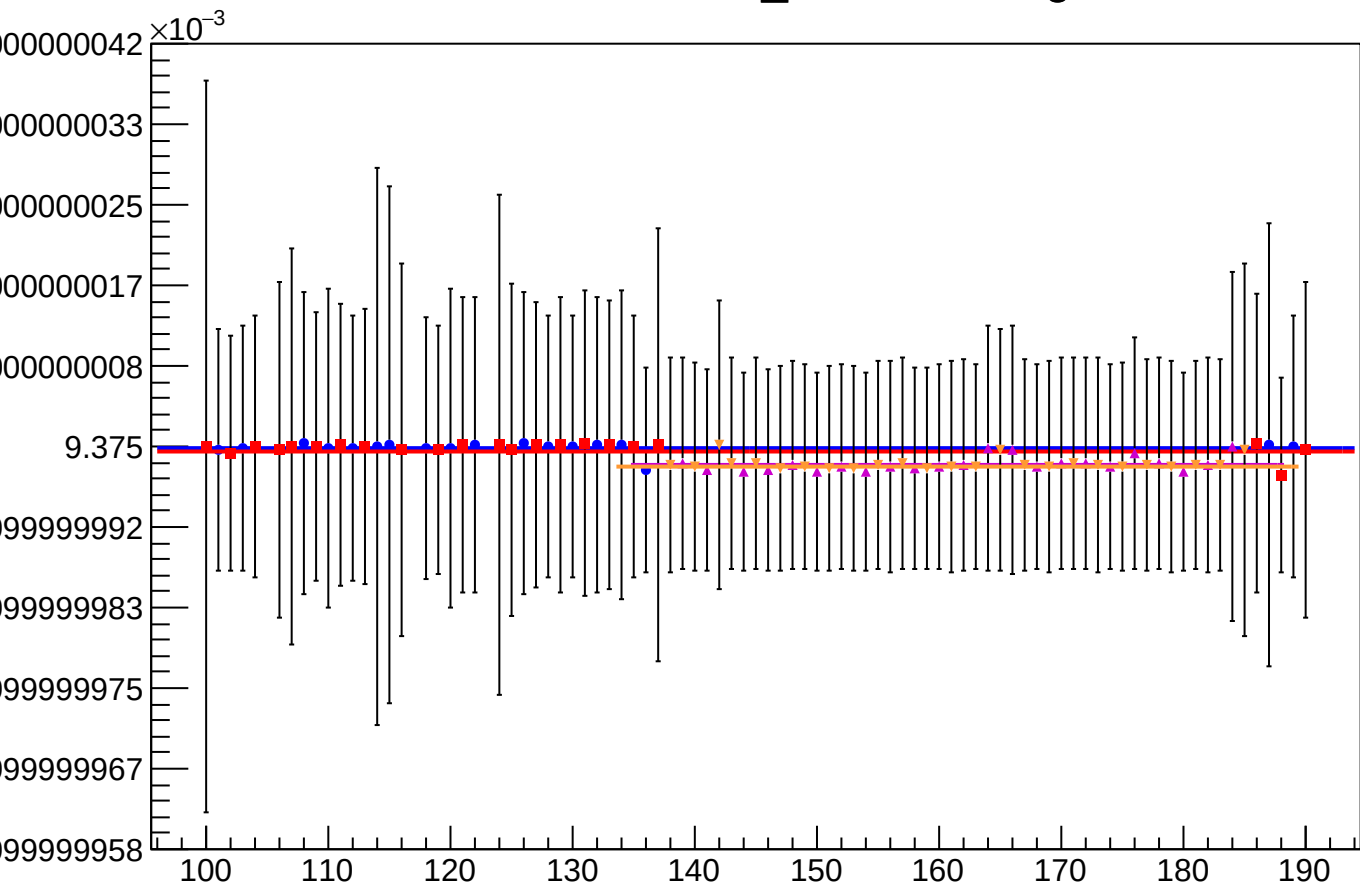
Left In: 894.107+/-0.000 χ^2/NDF : 13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1035.913 ± 0.000 χ^2/NDF : 22957298334449310682429576005717852160.0/17
 Left Out: 76.053 ± 0.000 χ^2/NDF : 81371196294580866514571210260480.0/24
 Right Out: 21.852 ± 0.000 χ^2/NDF : 46688513646016245397857076261410570240.0/21
 Left In: -1002.990 ± 0.000 χ^2/NDF : 2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

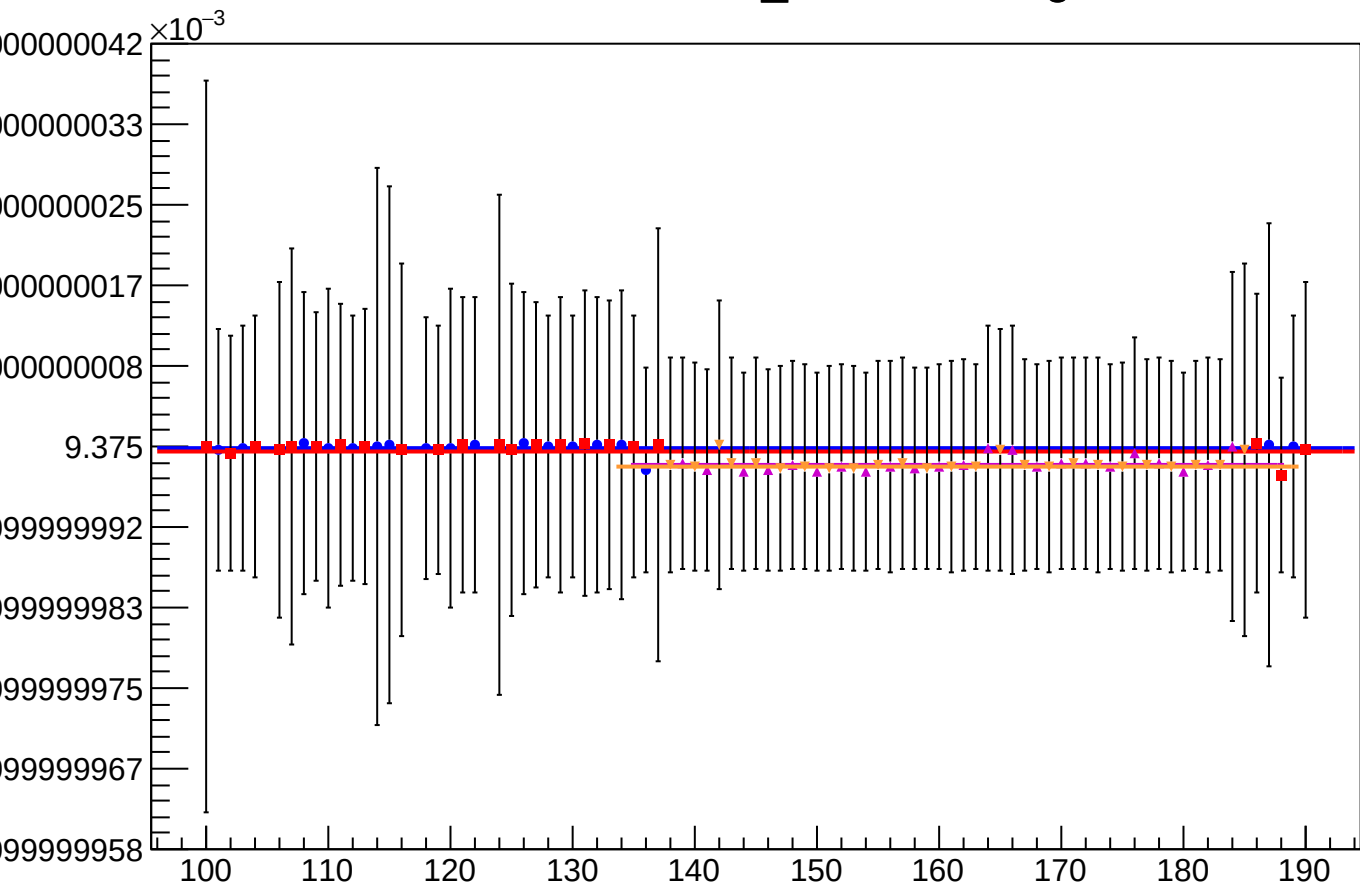
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/44

RTPPITA2CNT_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.6/87

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/44