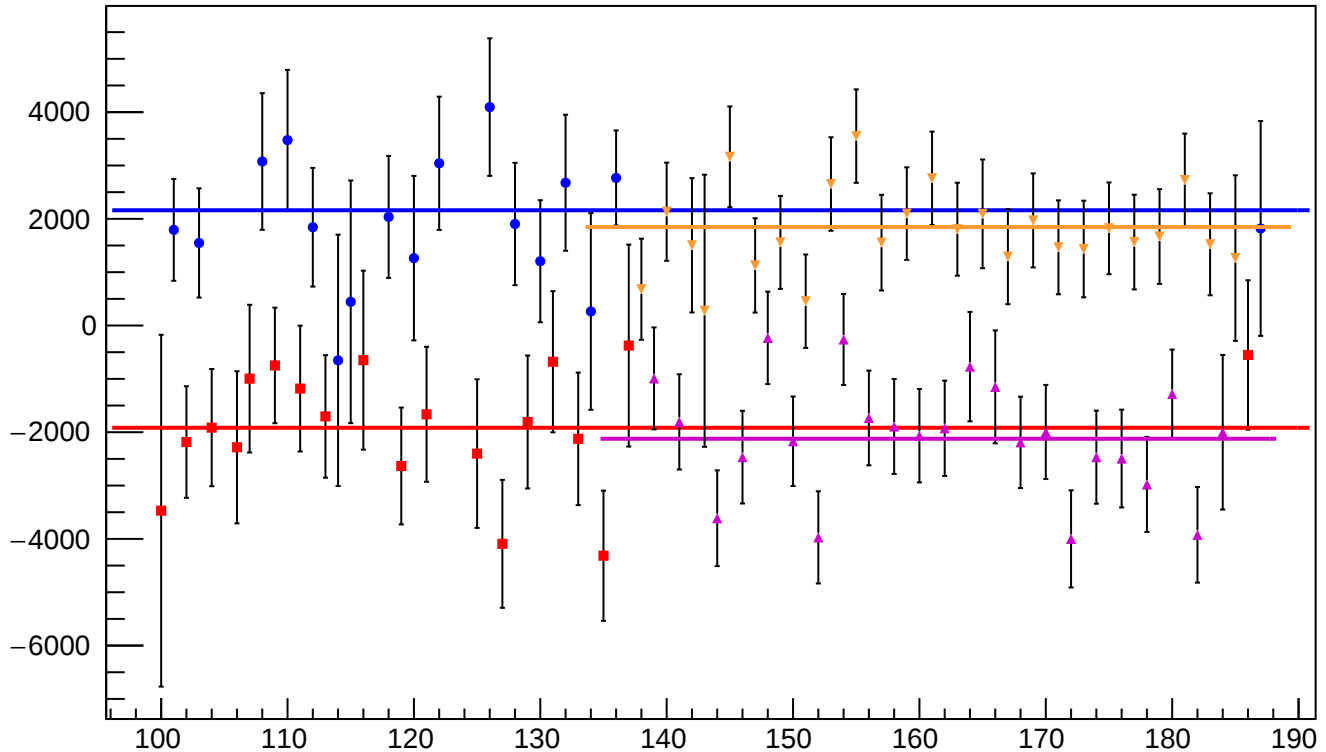


reg_asym_us_avg_mean vs Slug



Right In: 2160.929 $\pm$ 304.461

χ^2 /NDF: 9.7/16

Left Out: 1845.799 $\pm$ 186.902

χ^2 /NDF: 15.5/24

Right Out: -1916.193 $\pm$ 294.567

χ^2 /NDF: 13.2/18

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 32.0/22

+ sign 1932.051 $\pm$ 159.283

χ^2 /NDF: 25.9/41

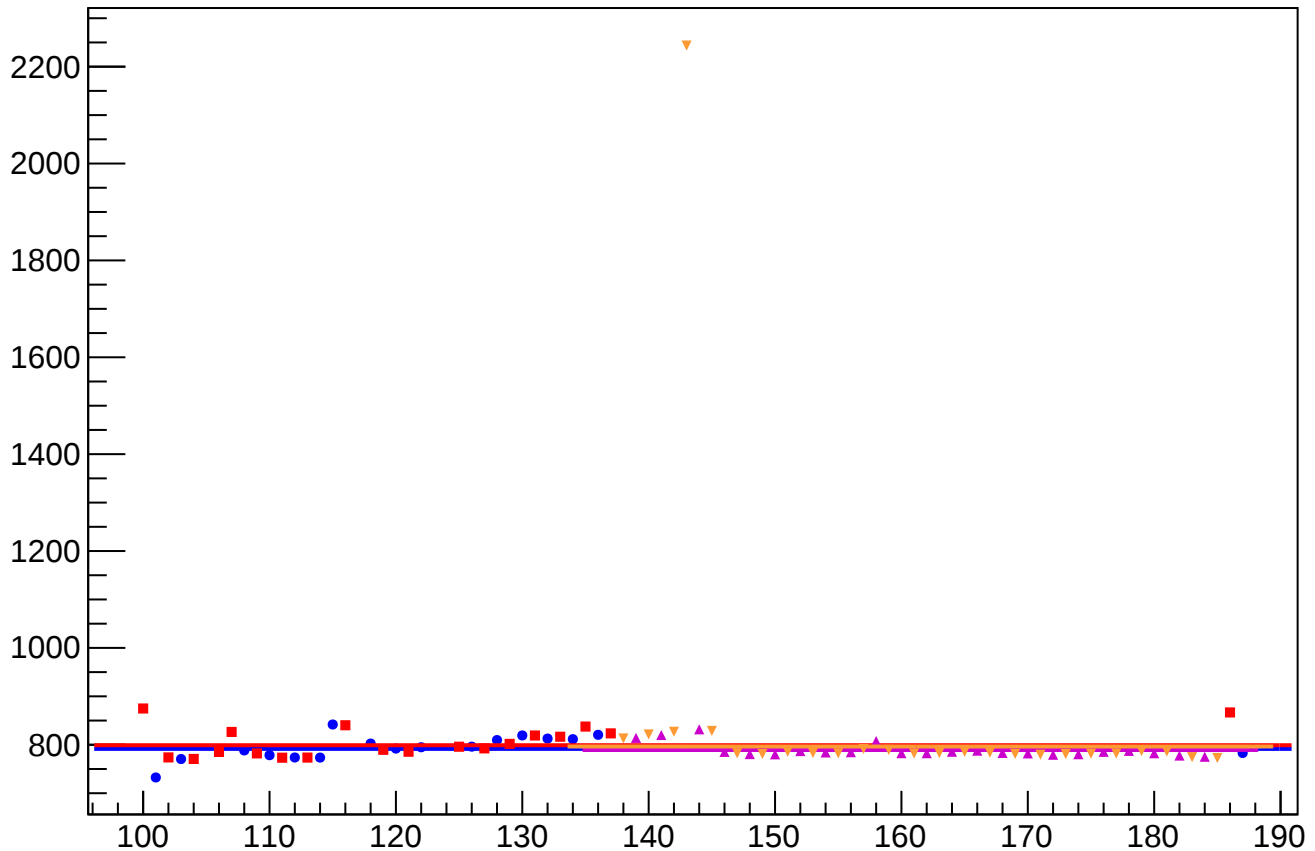
All: -70.460 $\pm$ 112.489

χ^2 /NDF: 386.8/83

- sign -2062.931 $\pm$ 158.884

χ^2 /NDF: 45.6/41

reg_asym_us_avg_rms vs Slug



Right In: 791.525+/-0.215 χ^2/NDF : 15157.9/16

Left Out: 796.441+/-0.132 χ^2/NDF : 658708.8/24

Right Out: 799.057+/-0.208 χ^2/NDF : 16467.9/18

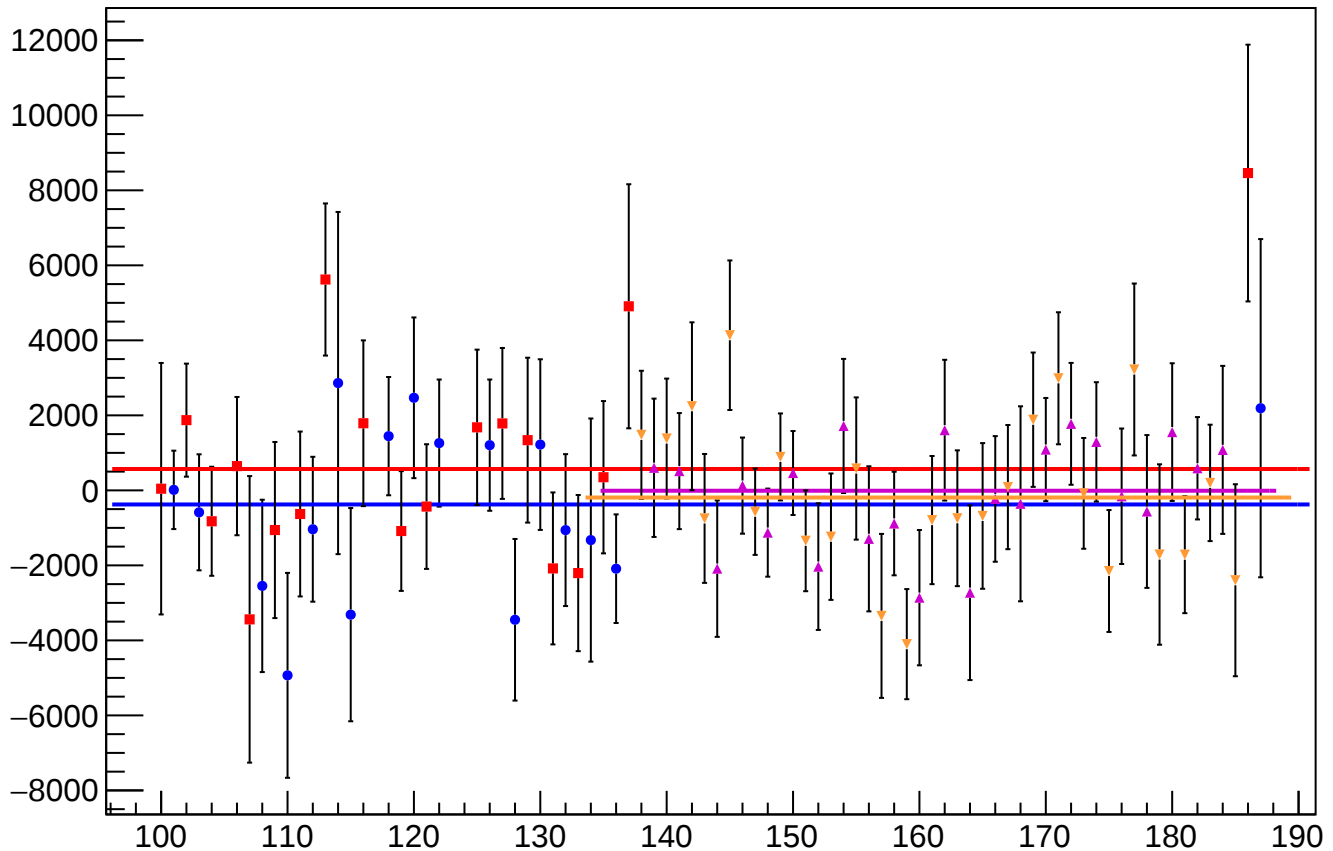
Left In: 789.185+/-0.133 χ^2/NDF : 11343.2/22

+ sign 795.095+/-0.113 χ^2/NDF : 674245.4/41

All: 793.572+/-0.080 χ^2/NDF : 704014.1/83

- sign 792.057+/-0.112 χ^2/NDF : 29403.9/41

asym_us_avg_correction_mean vs Slug



Right In: -375.926 ± 462.995 χ^2/NDF : 14.8/16

Left Out: -191.027 ± 333.904 χ^2/NDF : 30.1/24

Right Out: 569.740 ± 469.359 χ^2/NDF : 22.9/18

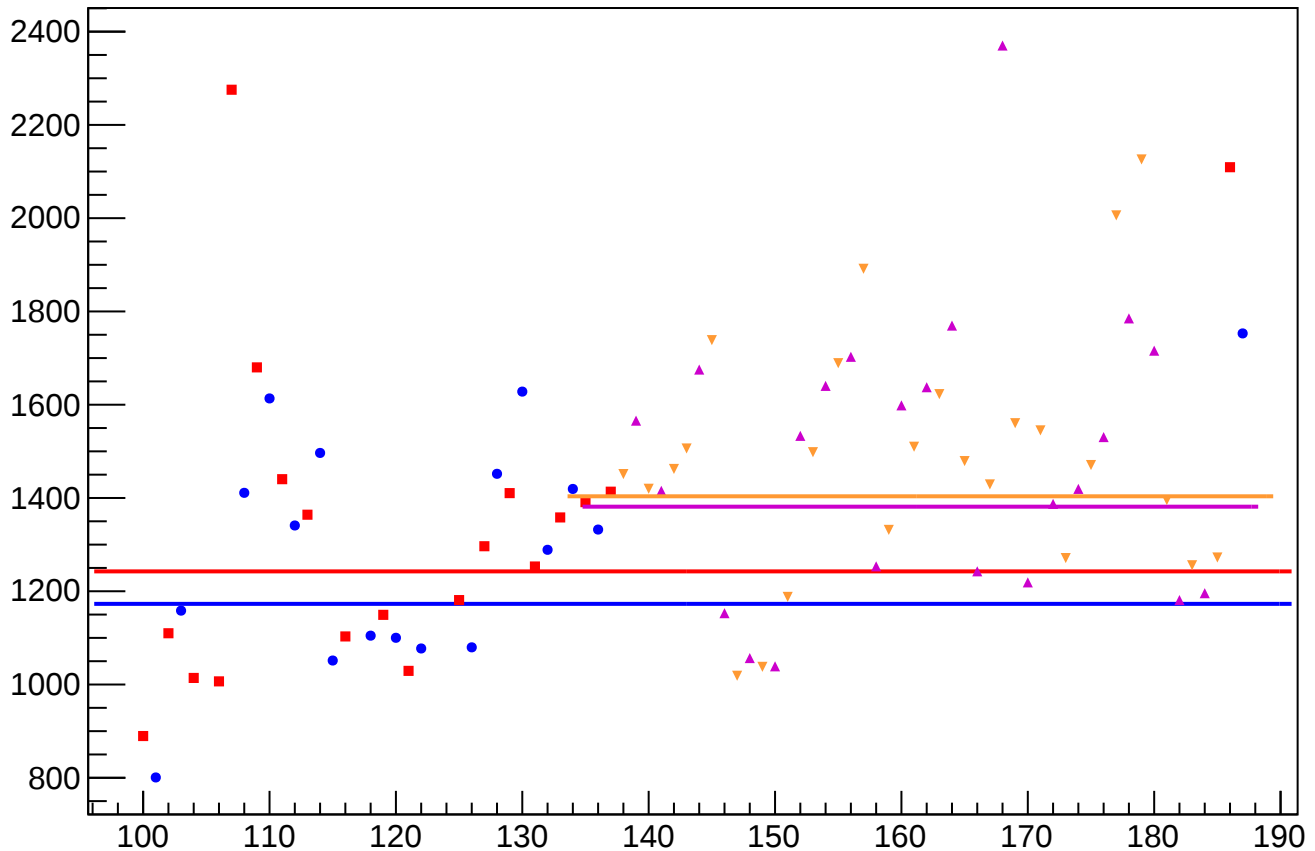
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -254.290 ± 270.823 χ^2/NDF : 45.0/41

All: -35.983 ± 192.677 χ^2/NDF : 84.5/83

- sign 187.770 ± 274.180 χ^2/NDF : 38.1/41

asym_us_avg_correction_rms vs Slug



Right In: 1172.959+/-0.327 χ^2/NDF : 563229.6/16

Left Out: 1403.610+/-0.236 χ^2/NDF : 1126524.9/24

Right Out: 1242.602+/-0.332 χ^2/NDF : 572059.5/18

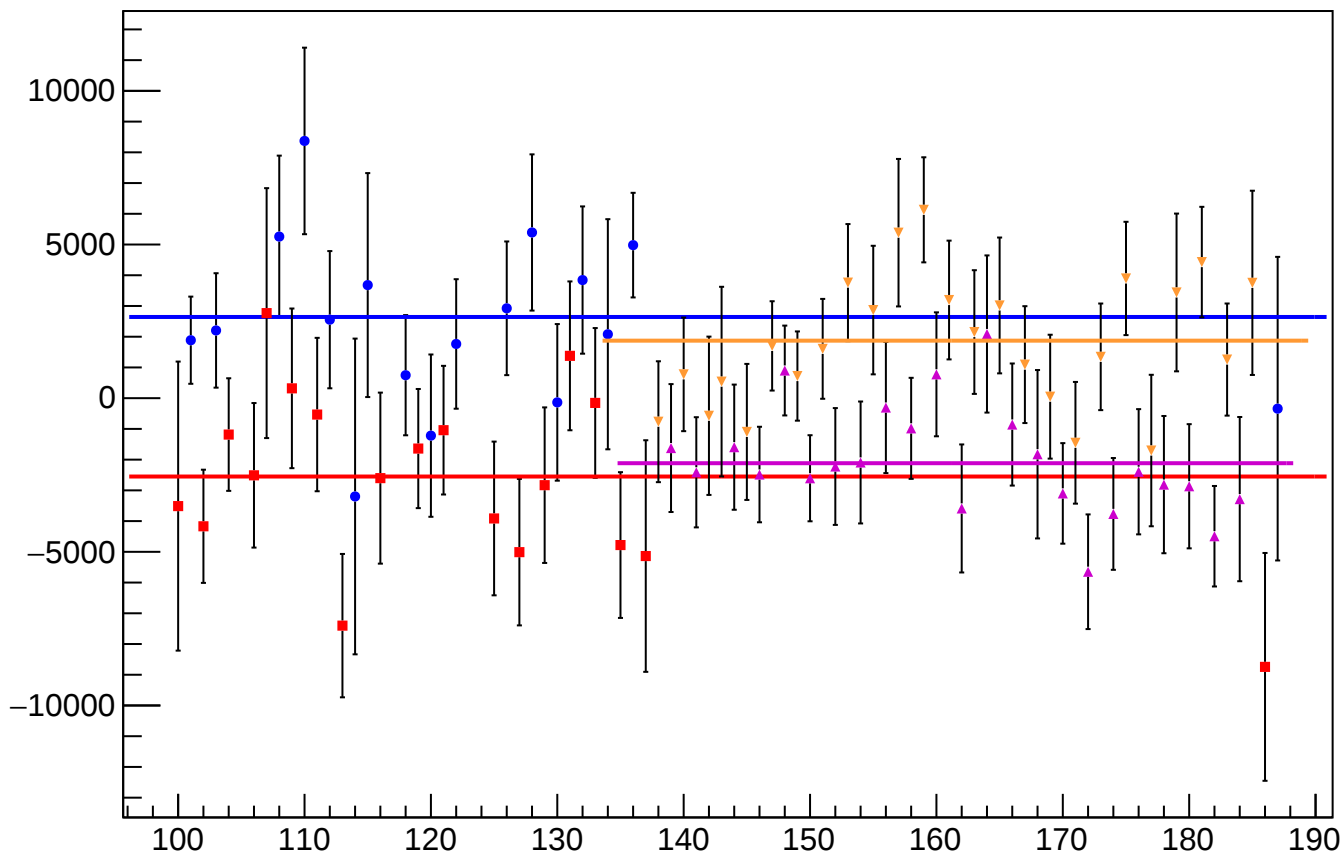
Left In: 1381.359+/-0.239 χ^2/NDF : 1276488.2/22

+ sign 1324.693+/-0.192 χ^2/NDF : 2016276.1/41

All: 1329.293+/-0.136 χ^2/NDF : 3981140.6/83

- sign 1334.009+/-0.194 χ^2/NDF : 1963695.7/41

asym_us_avg_mean vs Slug



Right In: 2642.308 $\pm$ 564.868 χ^2/NDF : 14.4/16

Left Out: 1871.638 $\pm$ 391.684 χ^2/NDF : 26.1/24

Right Out: -2549.567 $\pm$ 563.693 χ^2/NDF : 19.1/18

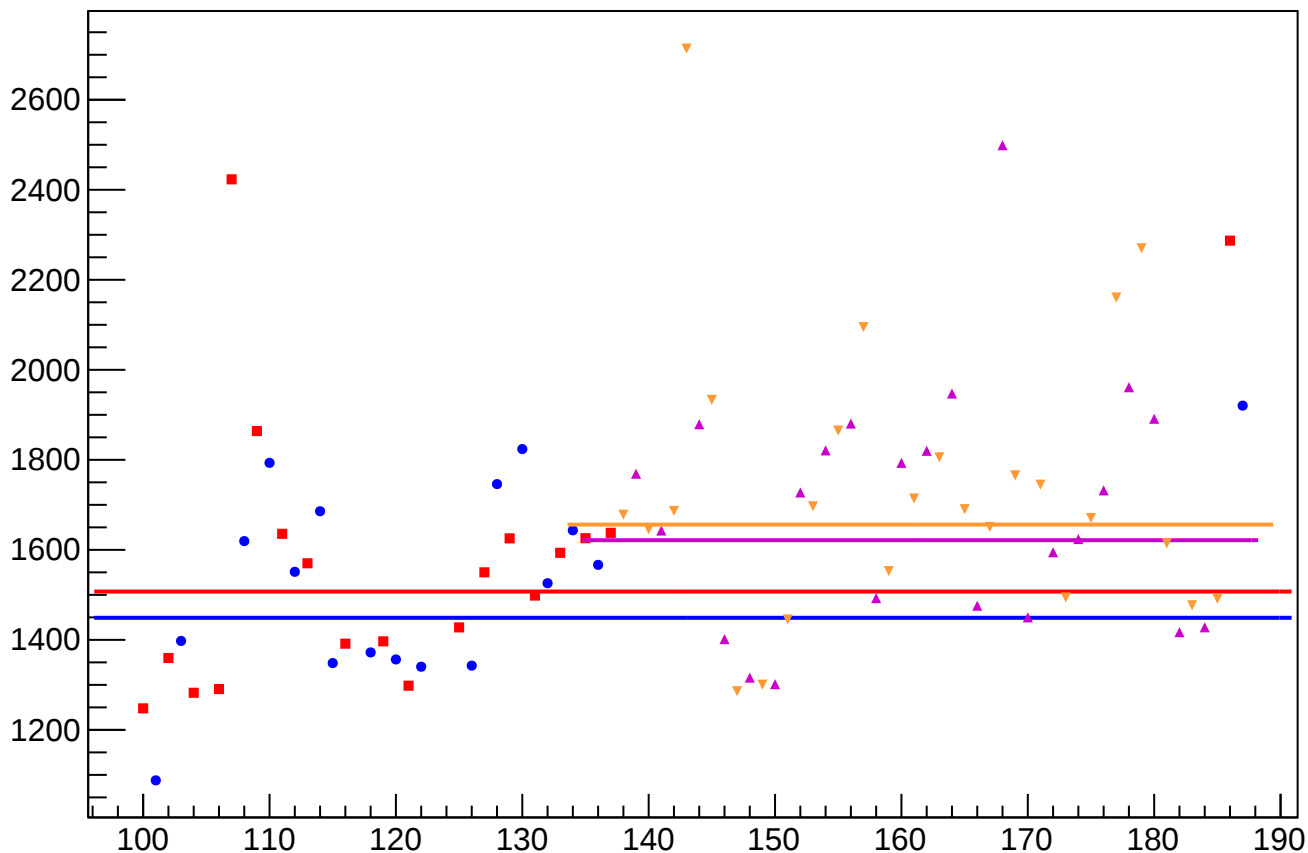
Left In: -2116.114 $\pm$ 392.997 χ^2/NDF : 18.8/22

+ sign 2121.871 $\pm$ 321.873 χ^2/NDF : 41.8/41

All: -64.554 $\pm$ 227.778 χ^2/NDF : 172.5/83

- sign -2257.888 $\pm$ 322.382 χ^2/NDF : 38.3/41

asym_us_avg_rms vs Slug



Right In: 1449.051+/-0.399 χ^2/NDF : 296745.1/16

Left Out: 1656.119+/-0.277 χ^2/NDF : 910573.4/24

Right Out: 1507.369+/-0.399 χ^2/NDF : 347272.5/18

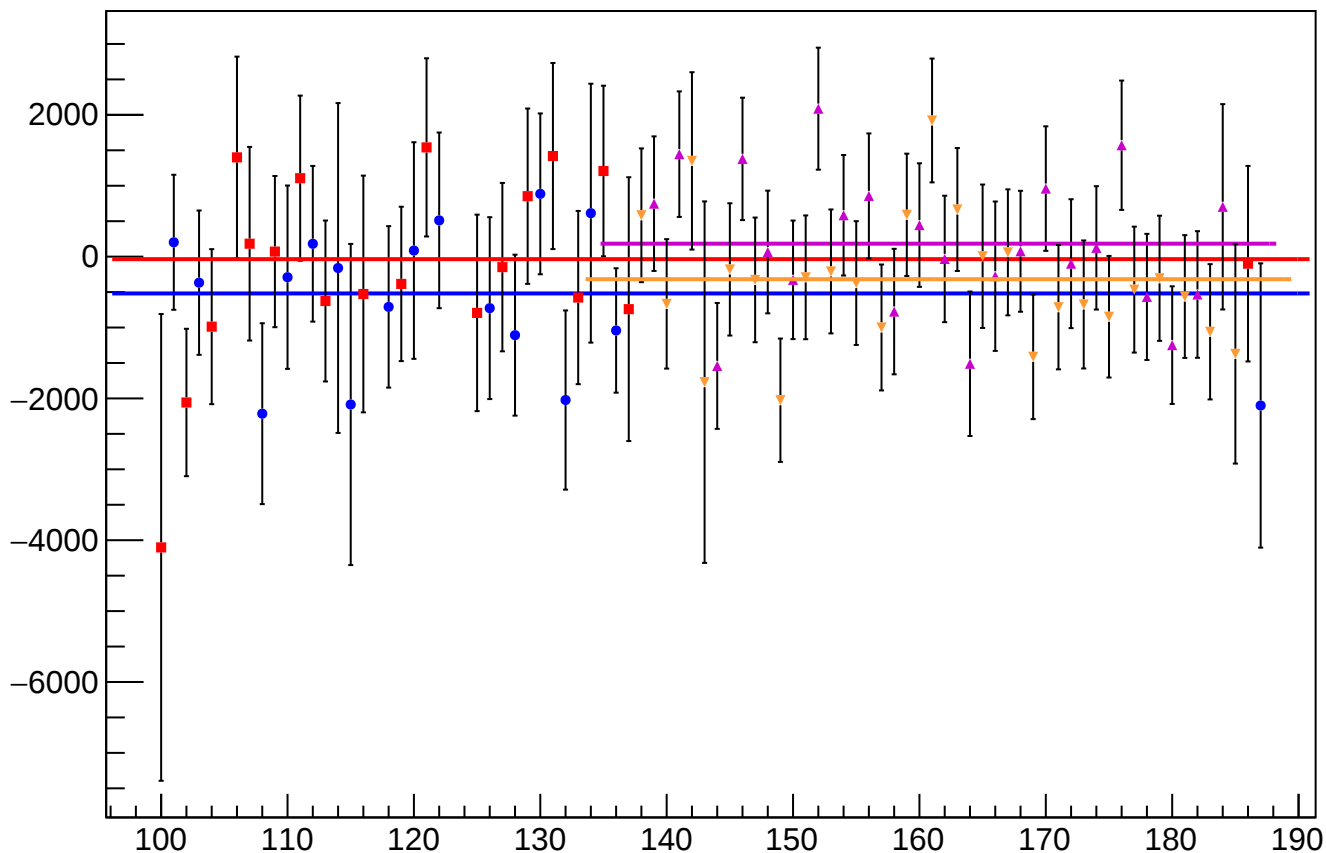
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1588.885+/-0.228 χ^2/NDF : 1388812.2/41

All: 1586.503+/-0.161 χ^2/NDF : 2566705.1/83

- sign 1584.114+/-0.228 χ^2/NDF : 1177673.5/41

reg_asym_us_dd_mean vs Slug



Right In: -519.094 ± 301.860 χ^2/NDF : 8.8/16

Left Out: -318.336 ± 186.041 χ^2/NDF : 20.4/24

Right Out: -35.436 ± 291.698 χ^2/NDF : 13.6/18

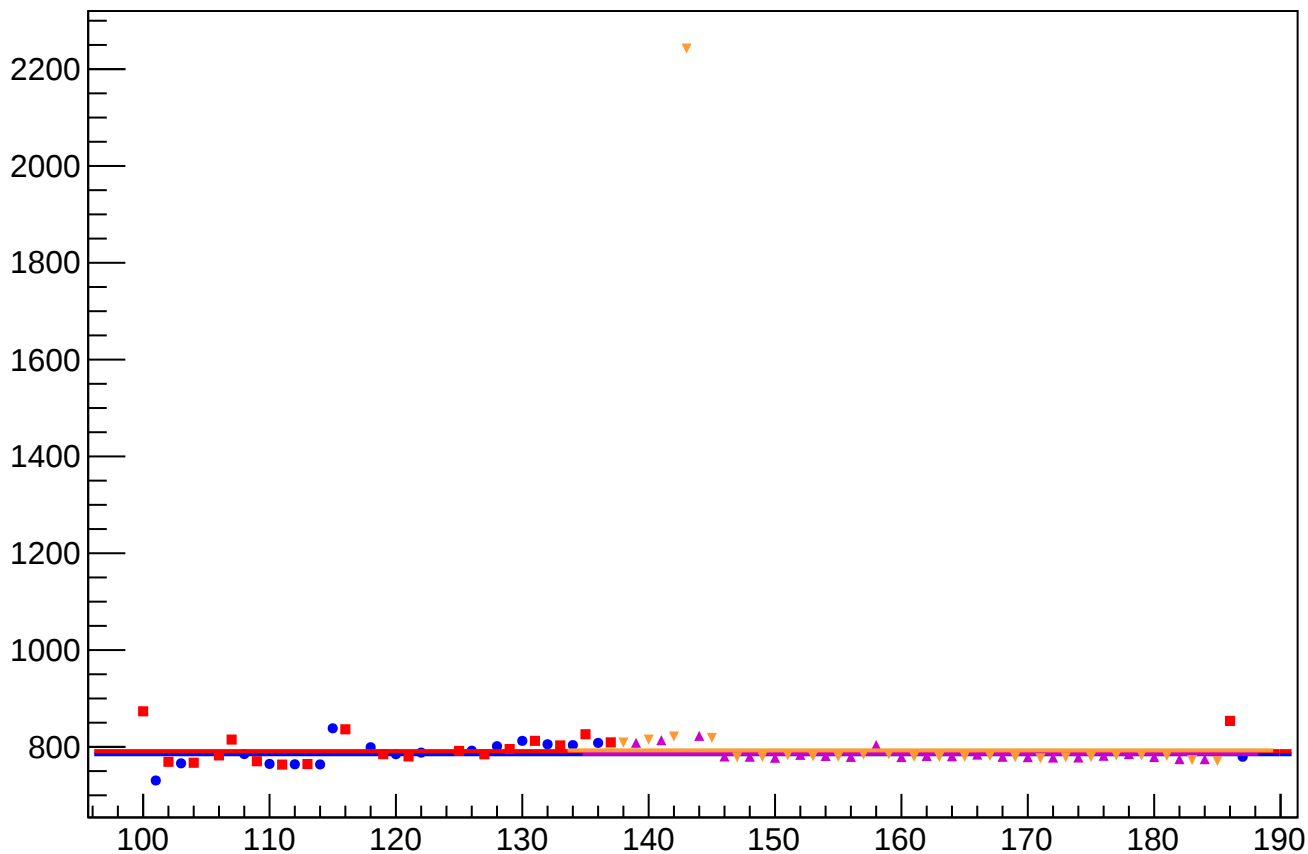
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -373.600 ± 158.377 χ^2/NDF : 29.5/41

All: -126.626 ± 111.826 χ^2/NDF : 74.4/83

- sign 118.908 ± 157.915 χ^2/NDF : 40.1/41

reg_asym_us_dd_rms vs Slug



Right In: 784.801 $\pm$ 0.213 χ^2 /NDF: 13828.2/16

Left Out: 792.791 $\pm$ 0.132 χ^2 /NDF: 659510.7/24

Right Out: 791.314 $\pm$ 0.206 χ^2 /NDF: 15248.5/18

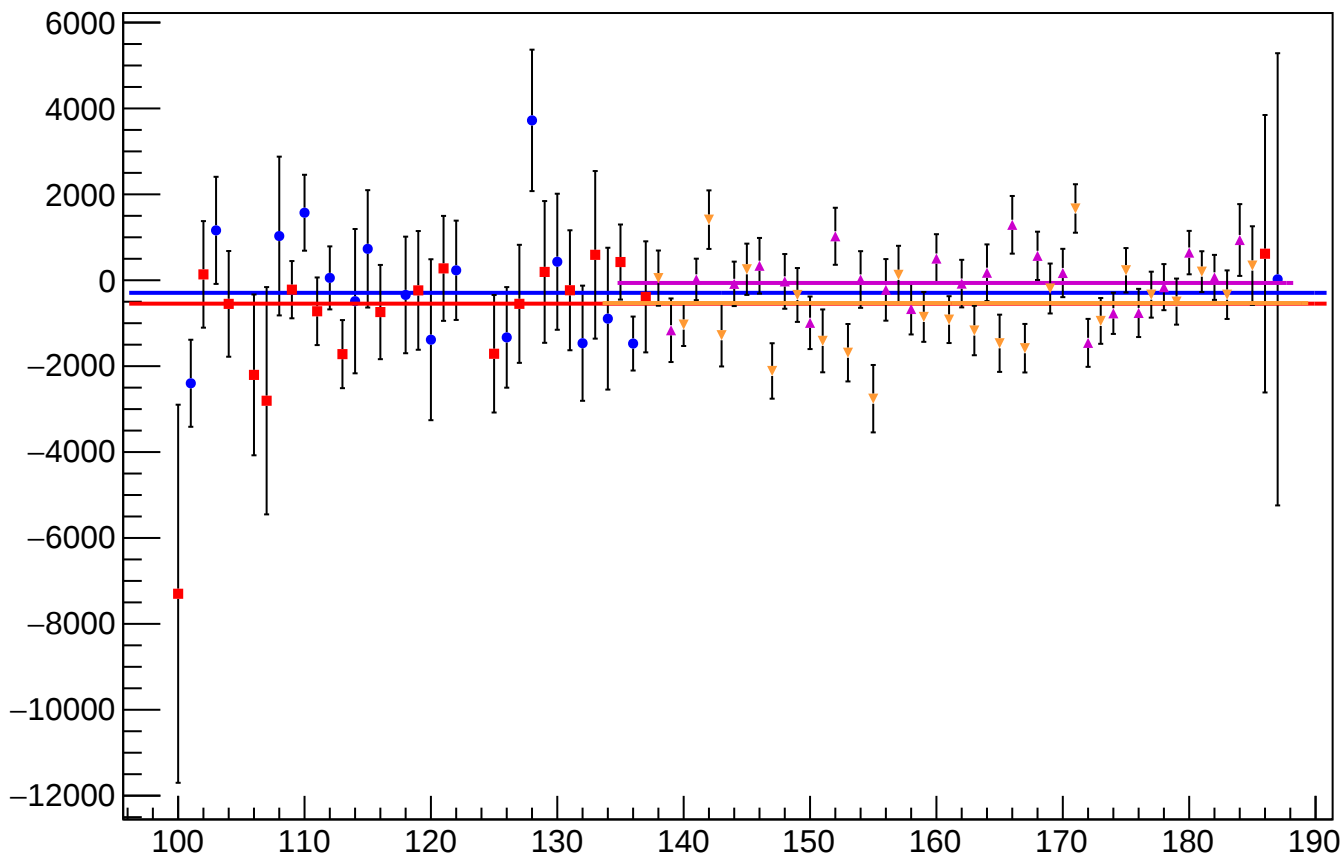
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 790.592 $\pm$ 0.112 χ^2 /NDF: 674354.5/41

All: 788.926 $\pm$ 0.079 χ^2 /NDF: 699962.3/83

- sign 787.269 $\pm$ 0.112 χ^2 /NDF: 25166.3/41

asym_us_dd_correction_mean vs Slug



Right In: -292.861 $\pm$ 282.781 χ^2/NDF : 23.4/16

Left Out: -530.101 $\pm$ 119.543 χ^2/NDF : 61.6/24

Right Out: -544.884 $\pm$ 272.348 χ^2/NDF : 9.9/18

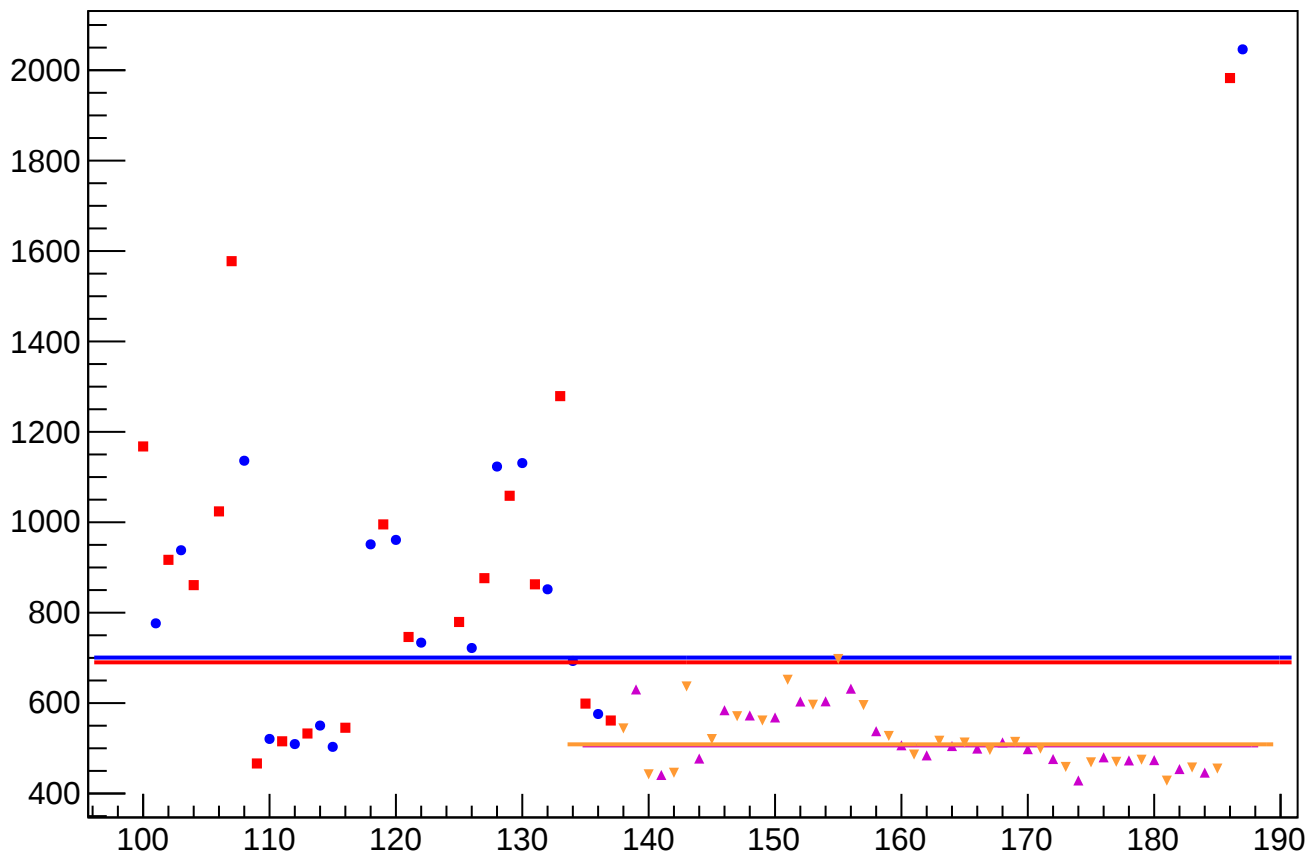
Left In: -62.768 $\pm$ 122.045 χ^2/NDF : 28.8/22

+ sign -494.132 $\pm$ 110.108 χ^2/NDF : 85.6/41

All: -320.767 $\pm$ 78.302 χ^2/NDF : 131.9/83

- sign -143.393 $\pm$ 111.374 χ^2/NDF : 41.3/41

asym_us_dd_correction_rms vs Slug



Right In: 700.697 ± 0.200 $\chi^2/\text{NDF}: 1094999.2/16$

Left Out: 508.773 ± 0.085 $\chi^2/\text{NDF}: 549245.1/24$

Right Out: 690.139 ± 0.193 $\chi^2/\text{NDF}: 1676217.4/18$

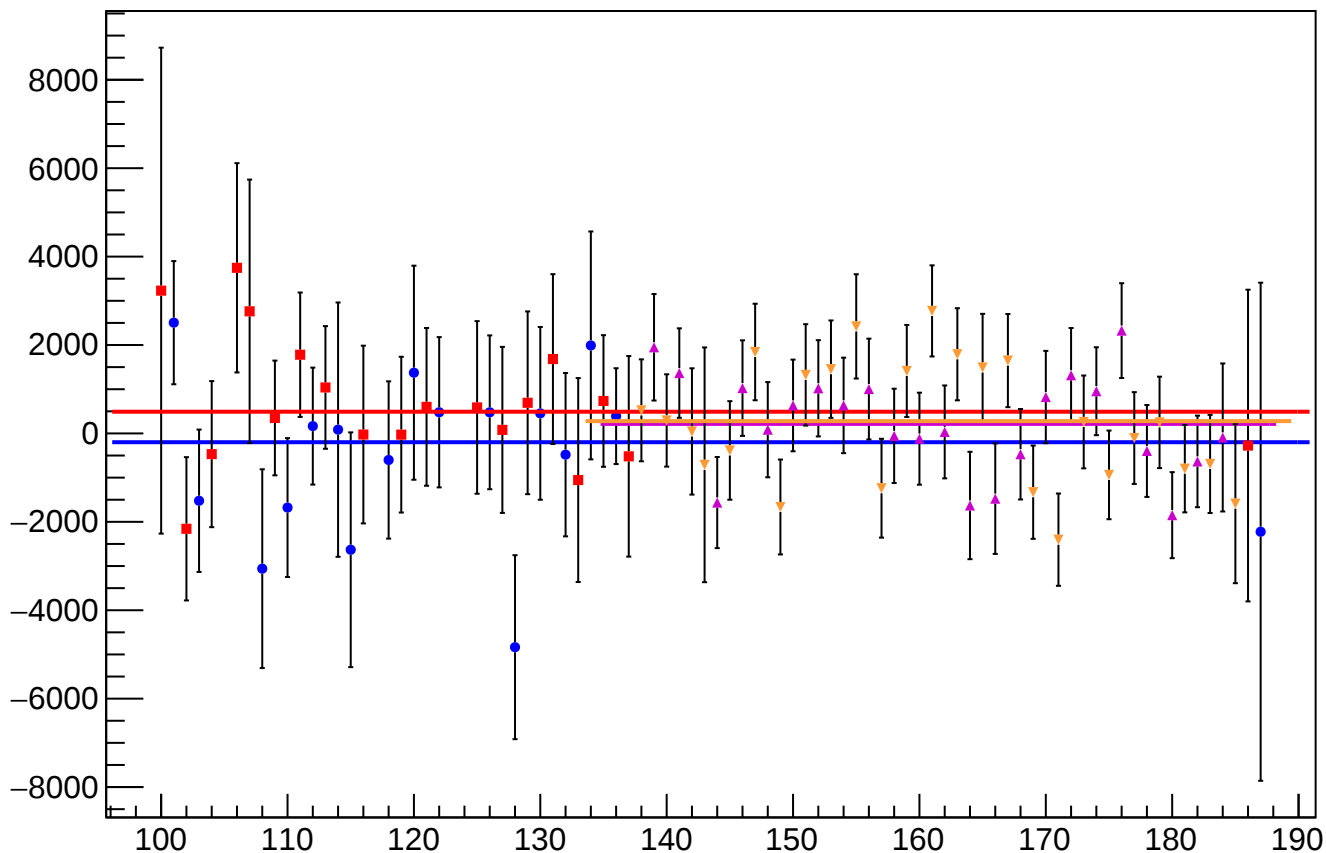
Left In: 506.380 ± 0.086 $\chi^2/\text{NDF}: 436294.4/22$

+ sign 537.871 ± 0.078 $\chi^2/\text{NDF}: 2425843.7/41$

All: 537.495 ± 0.055 $\chi^2/\text{NDF}: 5296636.8/83$

- sign 537.111 ± 0.079 $\chi^2/\text{NDF}: 2870745.9/41$

asym_us_dd_mean vs Slug



Right In: -198.869 ± 433.566 χ^2/NDF : 14.9/16

Left Out: 278.090 ± 223.581 χ^2/NDF : 38.4/24

Right Out: 491.039 ± 424.923 χ^2/NDF : 8.1/18

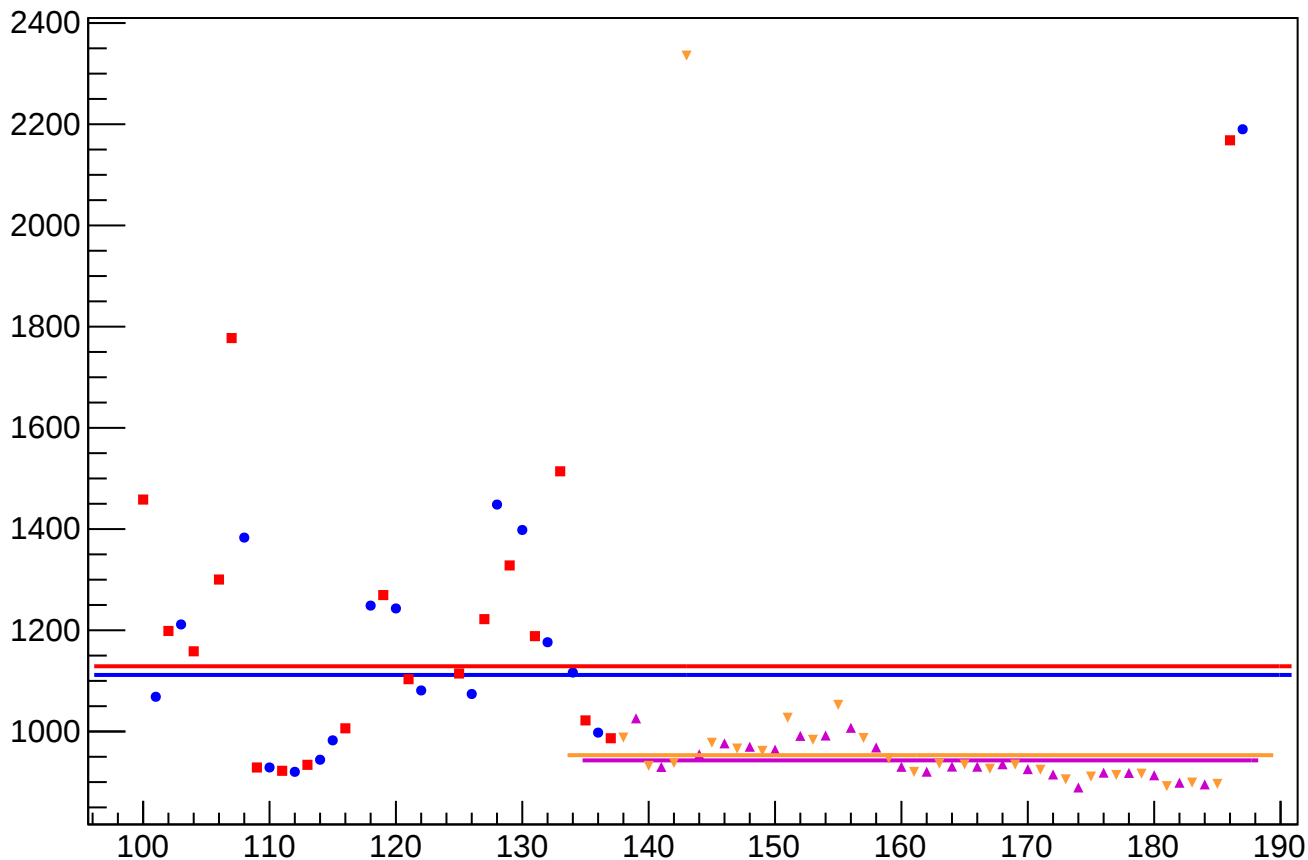
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 177.898 ± 198.715 χ^2/NDF : 54.3/41

All: 227.101 ± 140.704 χ^2/NDF : 87.2/83

- sign 276.574 ± 199.258 χ^2/NDF : 32.8/41

asym_us_dd_rms vs Slug



Right In: 1111.737 $\pm$ 0.307 χ^2 /NDF: 331759.5/16

Left Out: 953.221 $\pm$ 0.158 χ^2 /NDF: 606273.1/24

Right Out: 1128.903 $\pm$ 0.300 χ^2 /NDF: 540681.4/18

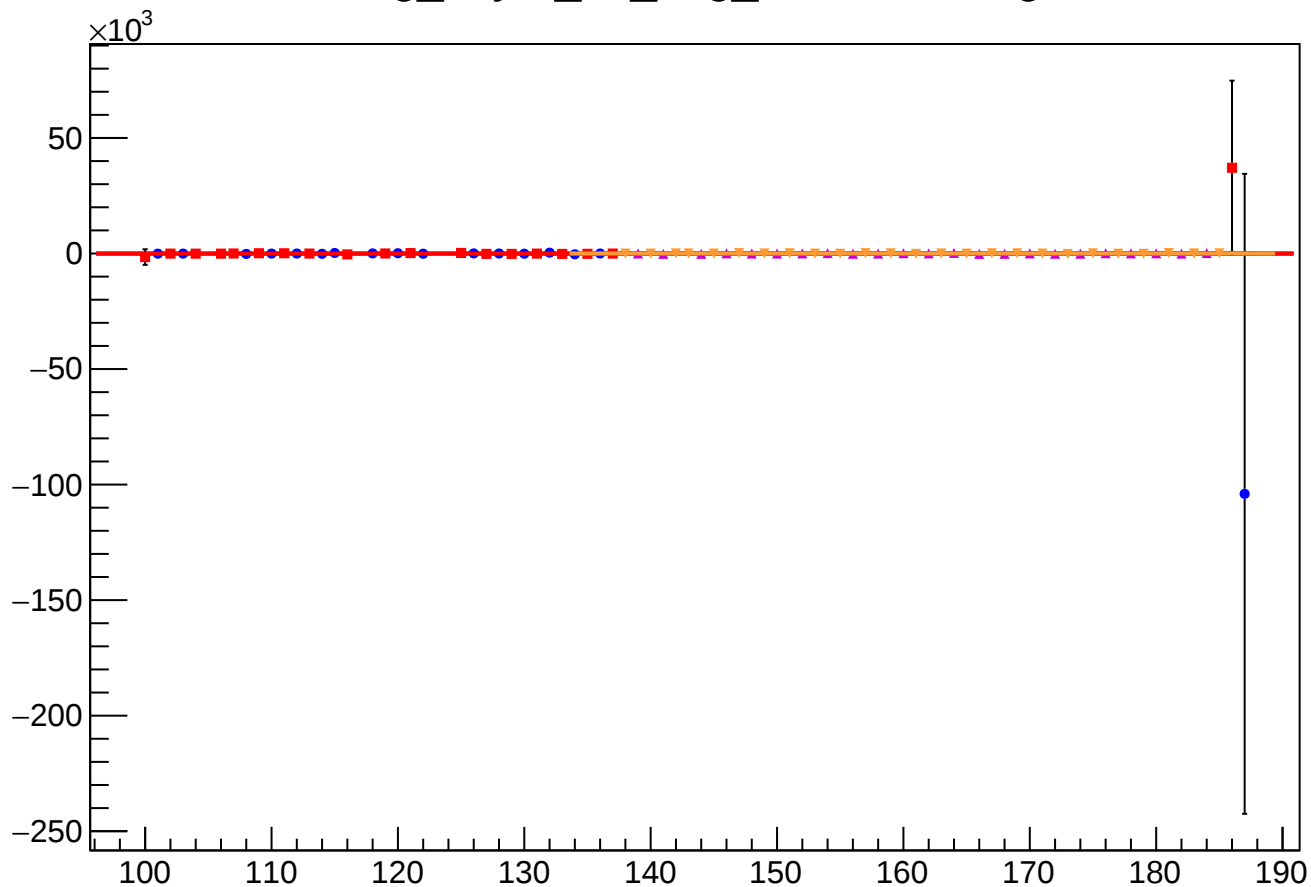
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 986.519 $\pm$ 0.141 χ^2 /NDF: 1149215.4/41

All: 985.174 $\pm$ 0.099 χ^2 /NDF: 2037353.0/83

- sign 983.822 $\pm$ 0.141 χ^2 /NDF: 887953.7/41

reg_asym_ds_avg_mean vs Slug



Right In: -15.556 ± 30.032 χ^2/NDF : 16.5/16

Left Out: 4.556 ± 20.959 χ^2/NDF : 22.5/24

Right Out: -31.730 ± 30.492 χ^2/NDF : 17.8/18

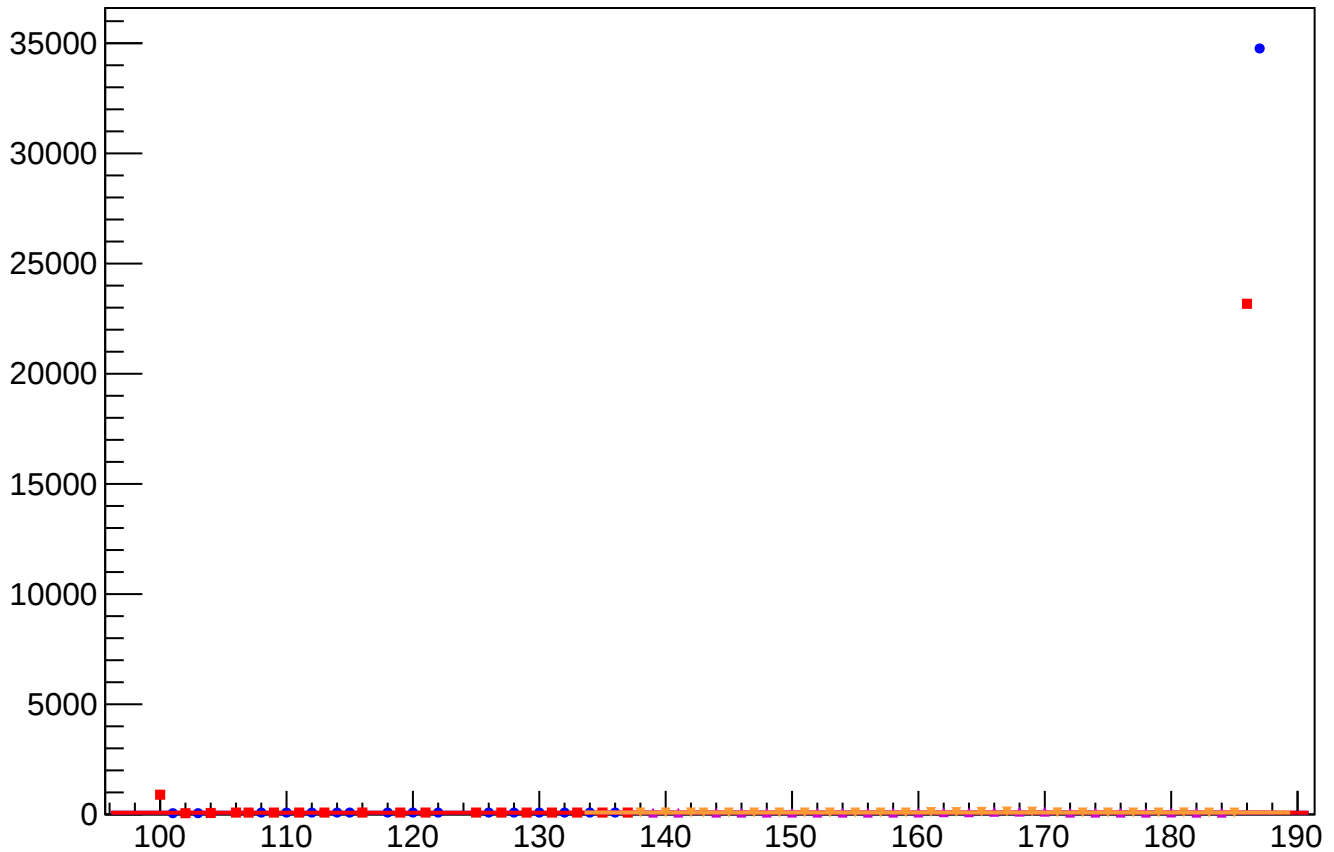
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.031 ± 17.187 χ^2/NDF : 39.3/41

All: 1.244 ± 12.302 χ^2/NDF : 81.8/83

- sign 4.684 ± 17.617 χ^2/NDF : 42.4/41

reg_asym_ds_avg_rms vs Slug



Right In: 76.055 $\pm$ 0.021 χ^2 /NDF: 540635.7/16

Left Out: 89.483 $\pm$ 0.015 χ^2 /NDF: 470330.2/24

Right Out: 79.386 $\pm$ 0.022 χ^2 /NDF: 1128481.1/18

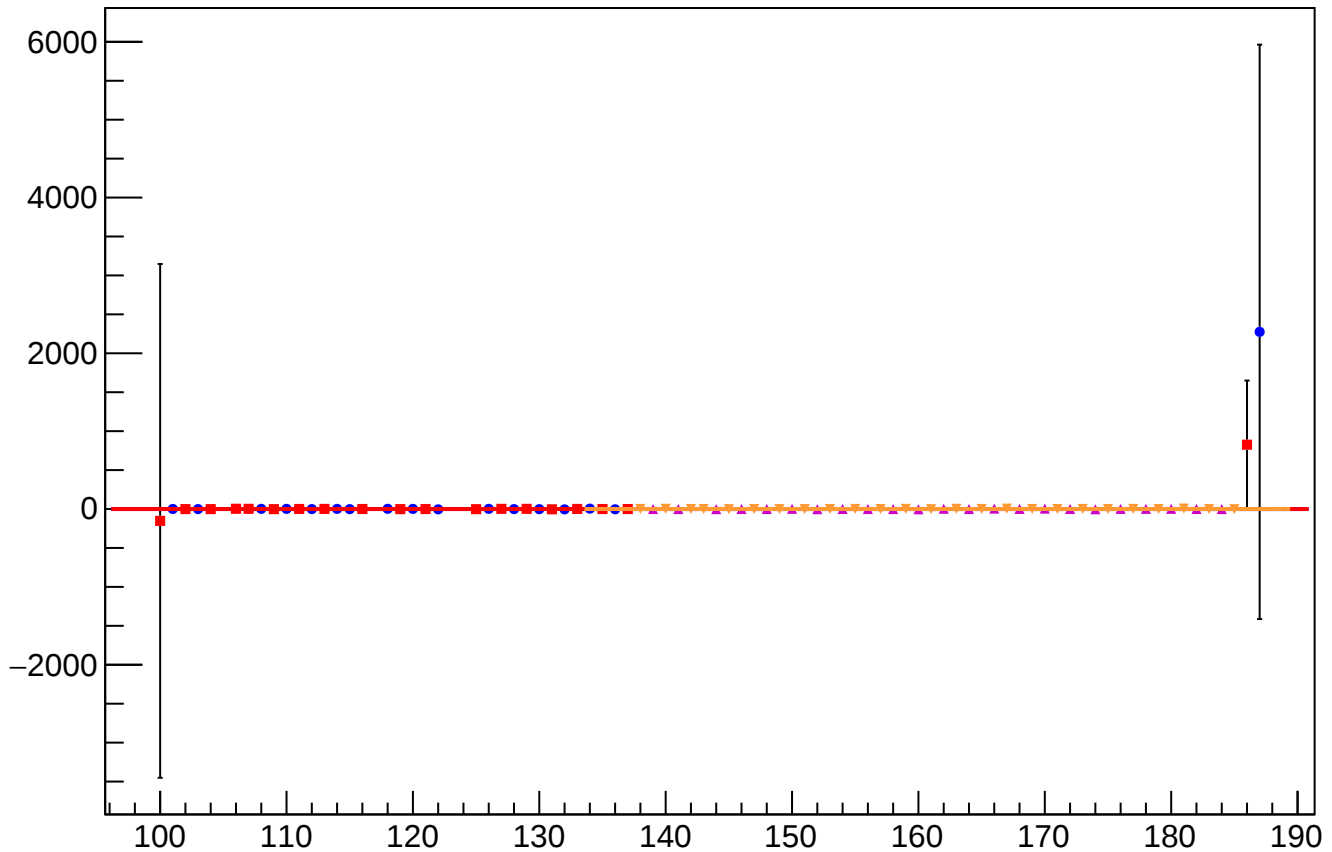
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.085 $\pm$ 0.012 χ^2 /NDF: 1279849.9/41

All: 85.623 $\pm$ 0.009 χ^2 /NDF: 3070228.9/83

- sign 86.187 $\pm$ 0.012 χ^2 /NDF: 1786367.9/41

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 21.3/16

Left Out: 0.134 ± 0.367 χ^2/NDF : 21.3/24

Right Out: -0.038 ± 0.525 χ^2/NDF : 10.9/18

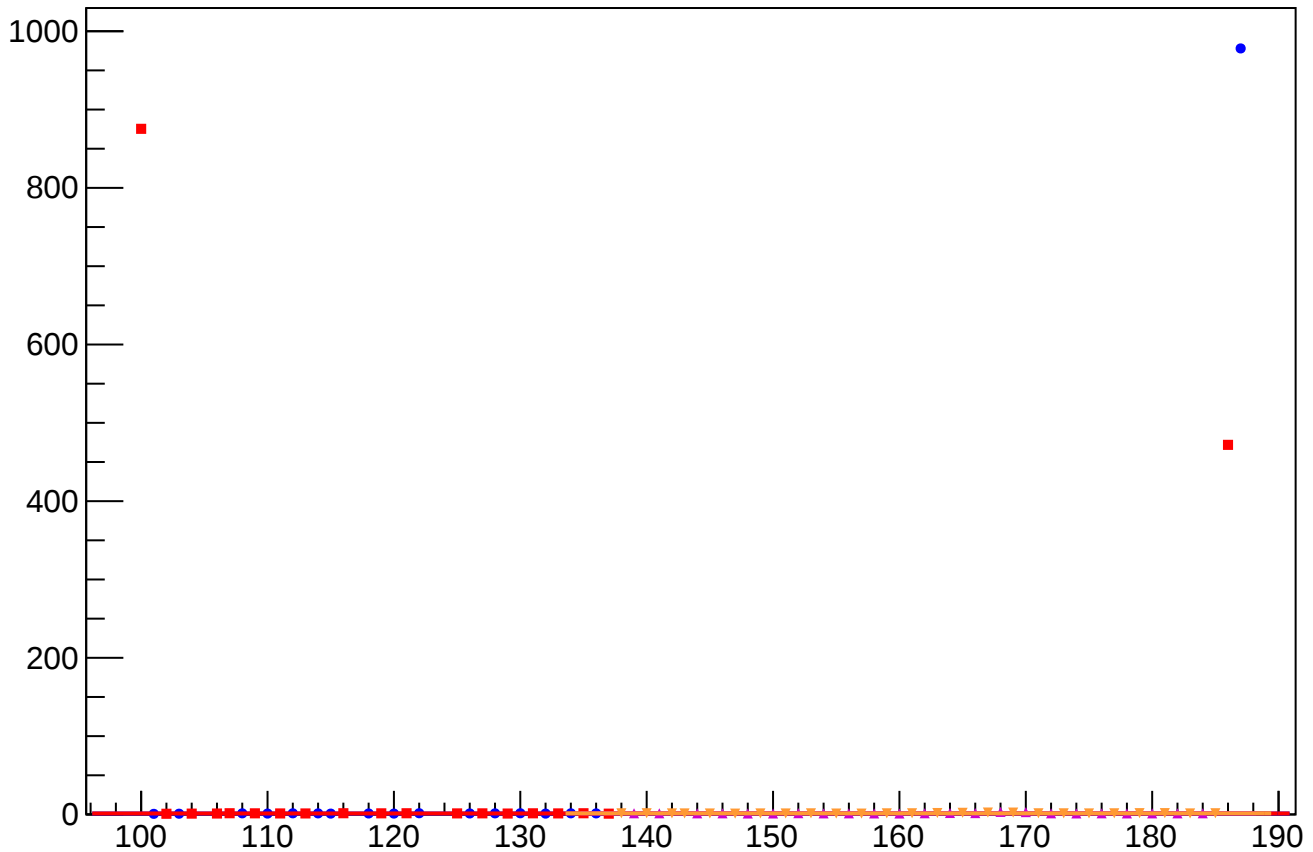
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.014 ± 0.296 χ^2/NDF : 43.1/41

All: 0.146 ± 0.215 χ^2/NDF : 81.7/83

- sign 0.323 ± 0.312 χ^2/NDF : 38.0/41

asym_ds_avg_correction_rms vs Slug



Right In: 1.152+/-0.000 χ^2/NDF : 646539.6/16

Left Out: 1.404+/-0.000 χ^2/NDF : 992478.0/24

Right Out: 1.259+/-0.000 χ^2/NDF : 1141868.2/18

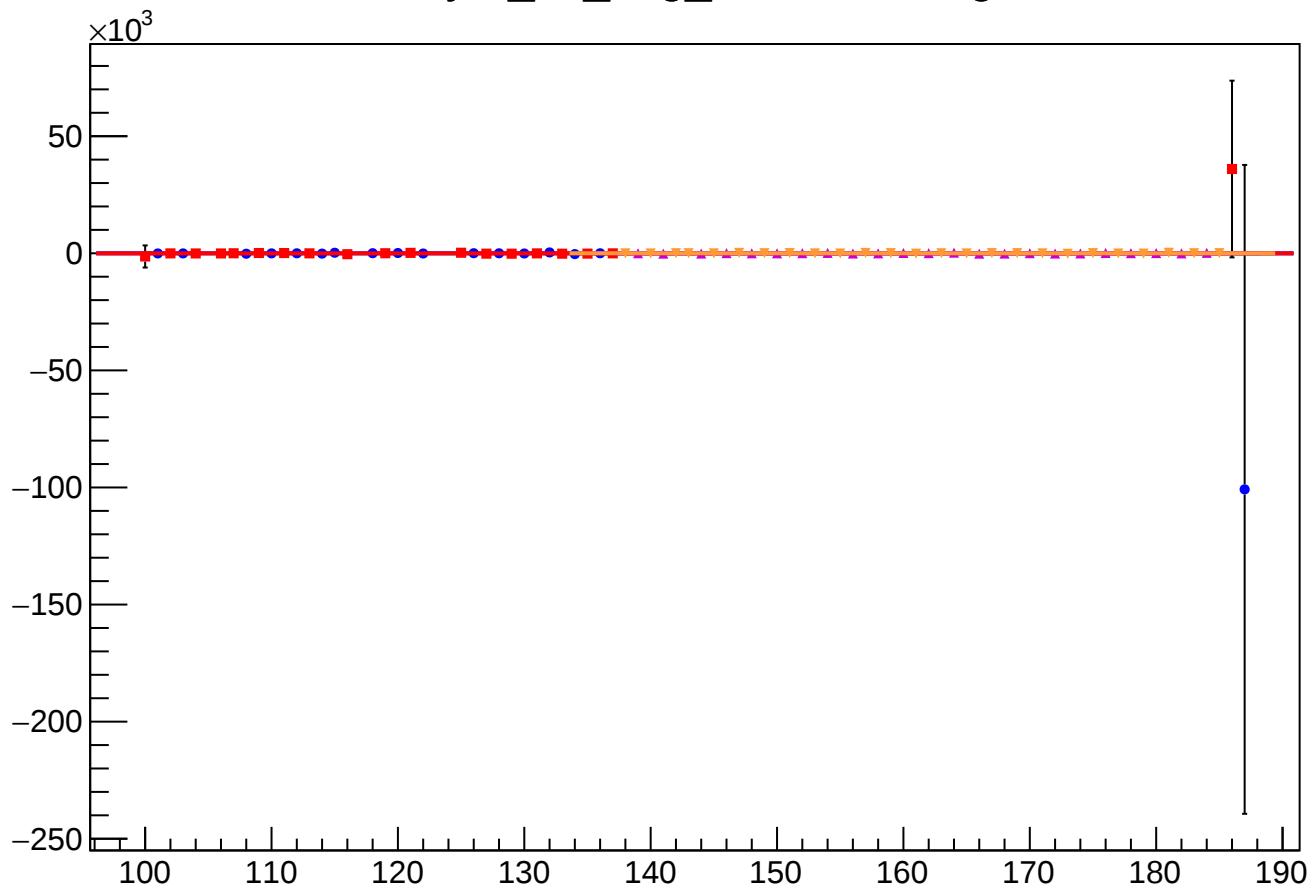
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 1967791.7/41

All: 1.349+/-0.000 χ^2/NDF : 4333436.9/83

- sign 1.385+/-0.000 χ^2/NDF : 2314580.0/41

asym_ds_avg_mean vs Slug



Right In: -14.492 ± 30.040 χ^2/NDF : 16.8/16

Left Out: 4.417 ± 20.966 χ^2/NDF : 22.1/24

Right Out: -32.009 ± 30.500 χ^2/NDF : 17.7/18

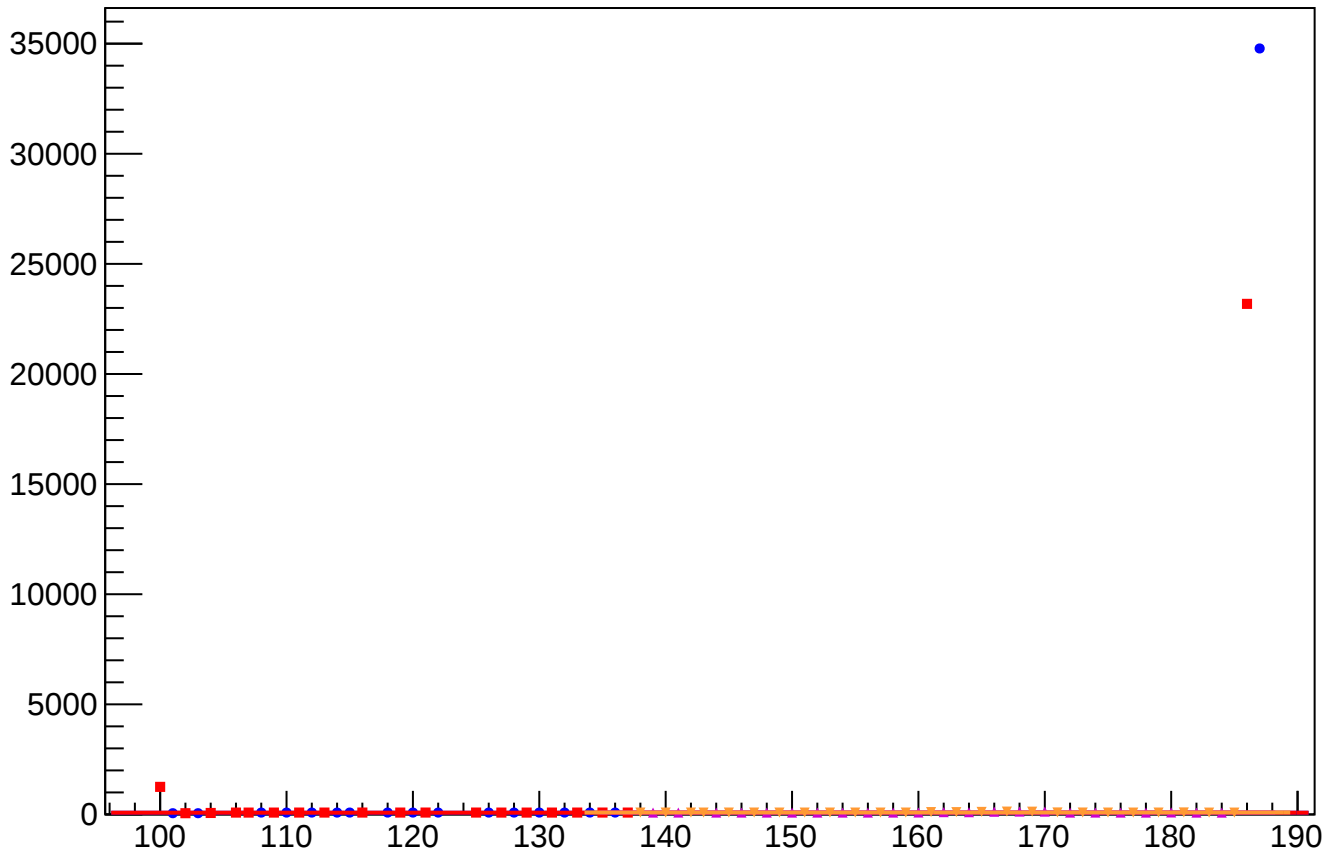
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -1.776 ± 17.192 χ^2/NDF : 39.2/41

All: 1.171 ± 12.306 χ^2/NDF : 81.4/83

- sign 4.267 ± 17.623 χ^2/NDF : 42.2/41

asym_ds_avg_rms vs Slug



Right In: 76.075 $\pm$ 0.021 χ^2 /NDF: 540667.5/16

Left Out: 89.510 $\pm$ 0.015 χ^2 /NDF: 471081.1/24

Right Out: 79.389 $\pm$ 0.022 χ^2 /NDF: 1135008.7/18

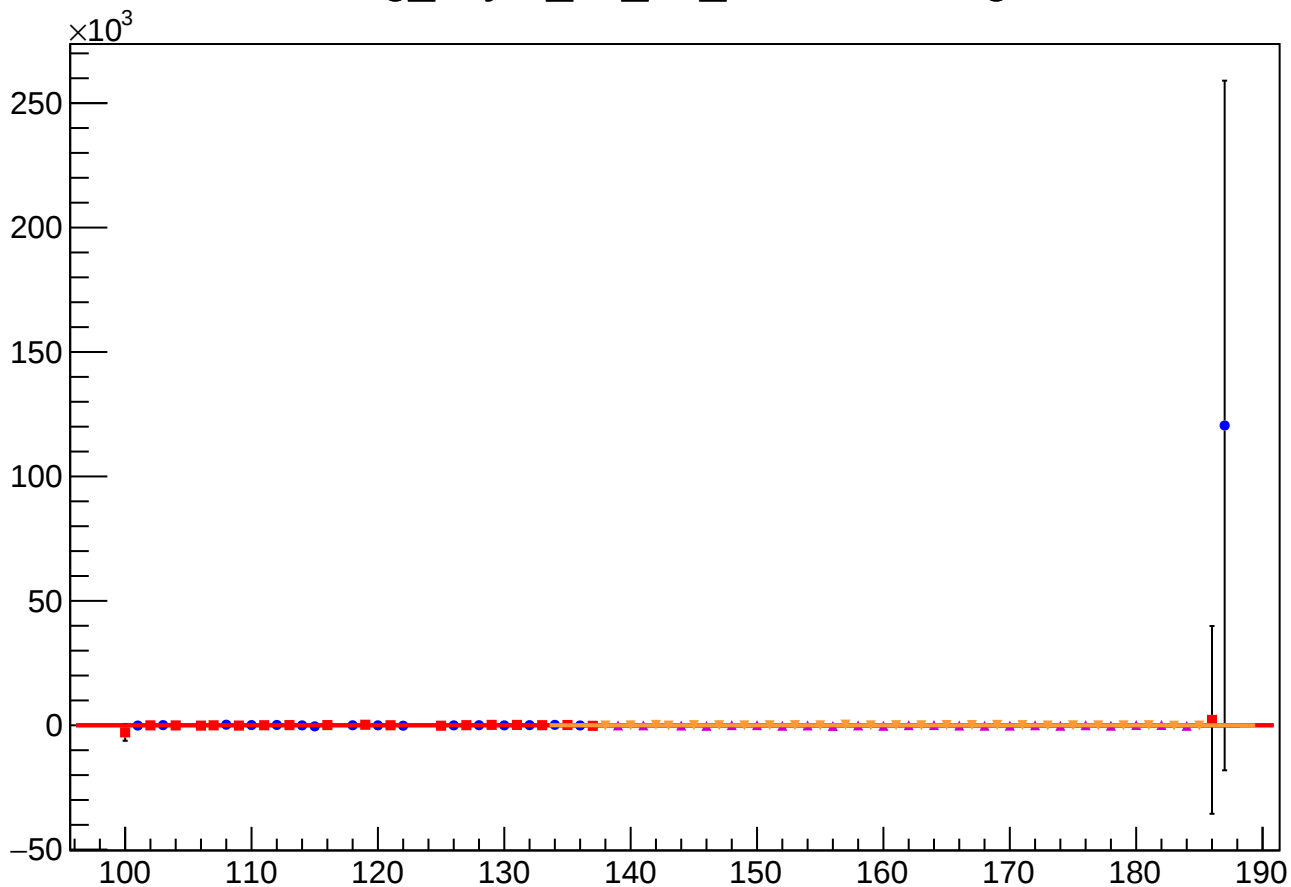
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.109 $\pm$ 0.012 χ^2 /NDF: 1280751.6/41

All: 85.644 $\pm$ 0.009 χ^2 /NDF: 3079092.7/83

- sign 86.206 $\pm$ 0.012 χ^2 /NDF: 1794370.6/41

reg_asym_ds_dd_mean vs Slug



Right In: 8.119 ± 30.012 χ^2/NDF : 14.8/16

Left Out: 9.877 ± 20.965 χ^2/NDF : 18.5/24

Right Out: 25.776 ± 30.473 χ^2/NDF : 12.8/18

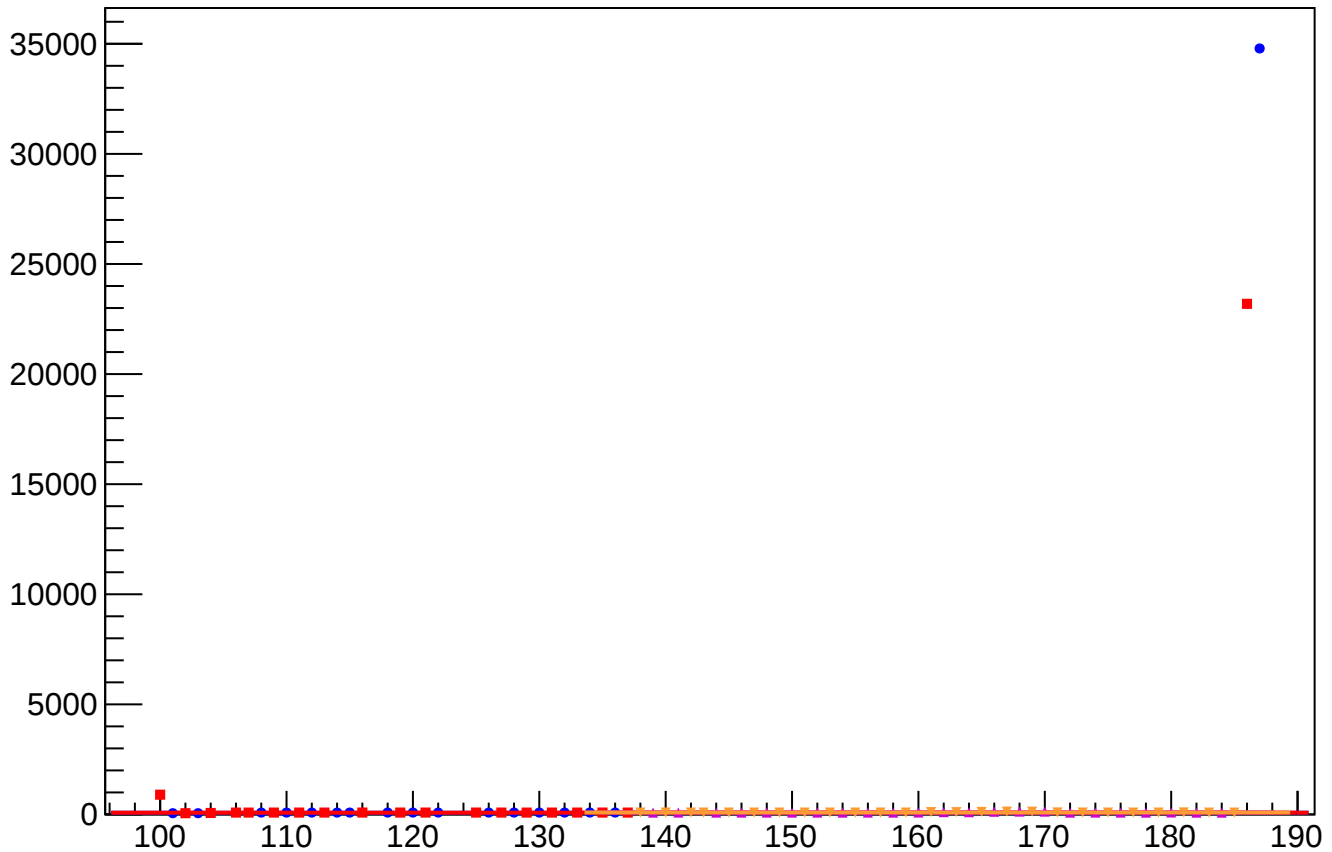
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 9.301 ± 17.187 χ^2/NDF : 33.3/41

All: -5.129 ± 12.303 χ^2/NDF : 82.4/83

- sign -20.292 ± 17.618 χ^2/NDF : 47.7/41

reg_asym_ds_dd_rms vs Slug



Right In: 76.006 $\pm$ 0.021 χ^2 /NDF: 540318.9/16

Left Out: 89.507 $\pm$ 0.015 χ^2 /NDF: 468988.9/24

Right Out: 79.337 $\pm$ 0.022 χ^2 /NDF: 1128645.6/18

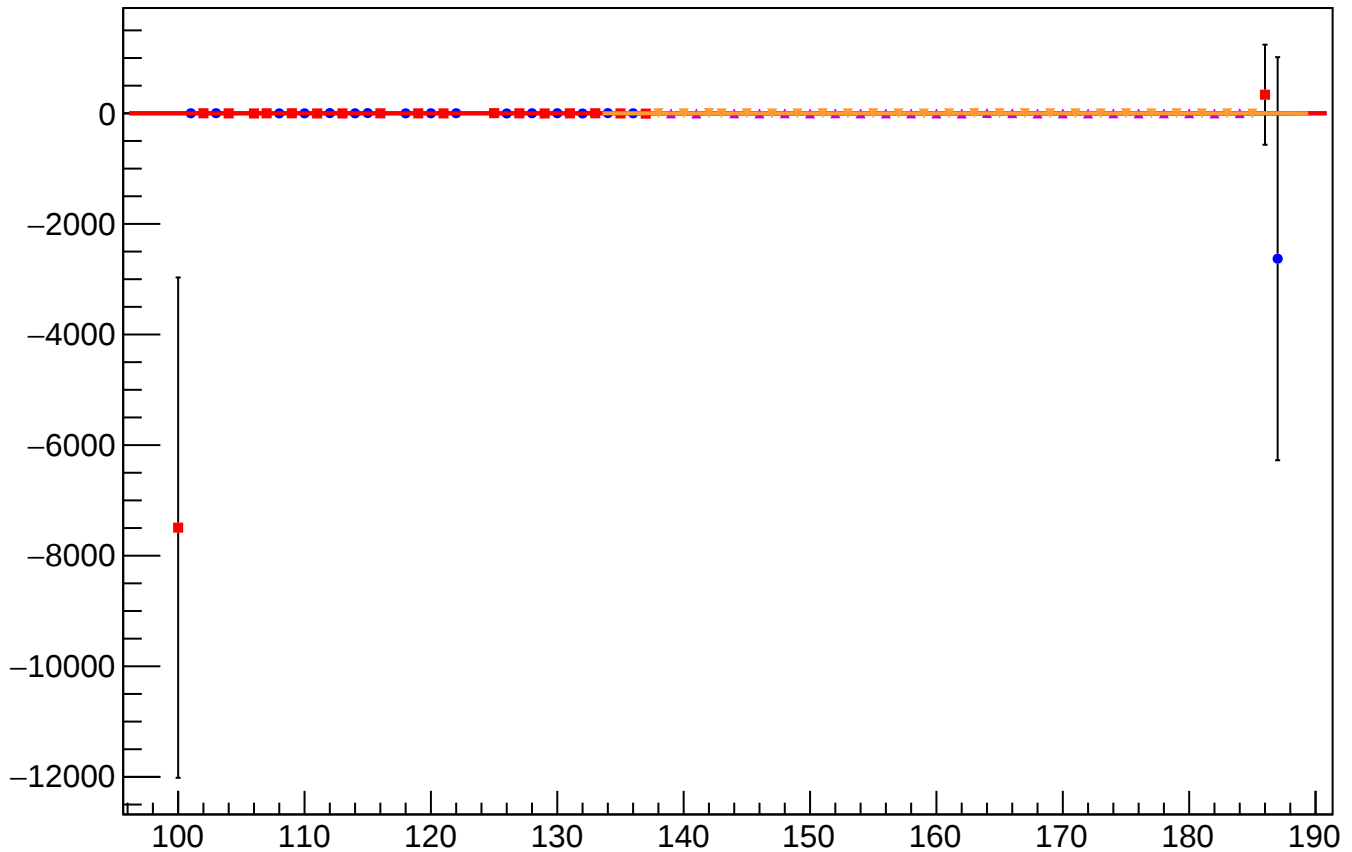
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.080 $\pm$ 0.012 χ^2 /NDF: 1281331.6/41

All: 85.620 $\pm$ 0.009 χ^2 /NDF: 3076903.7/83

- sign 86.188 $\pm$ 0.012 χ^2 /NDF: 1791517.3/41

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 12.4/16

Left Out: -0.517 ± 0.382 χ^2/NDF : 20.7/24

Right Out: -0.347 ± 0.549 χ^2/NDF : 13.6/18

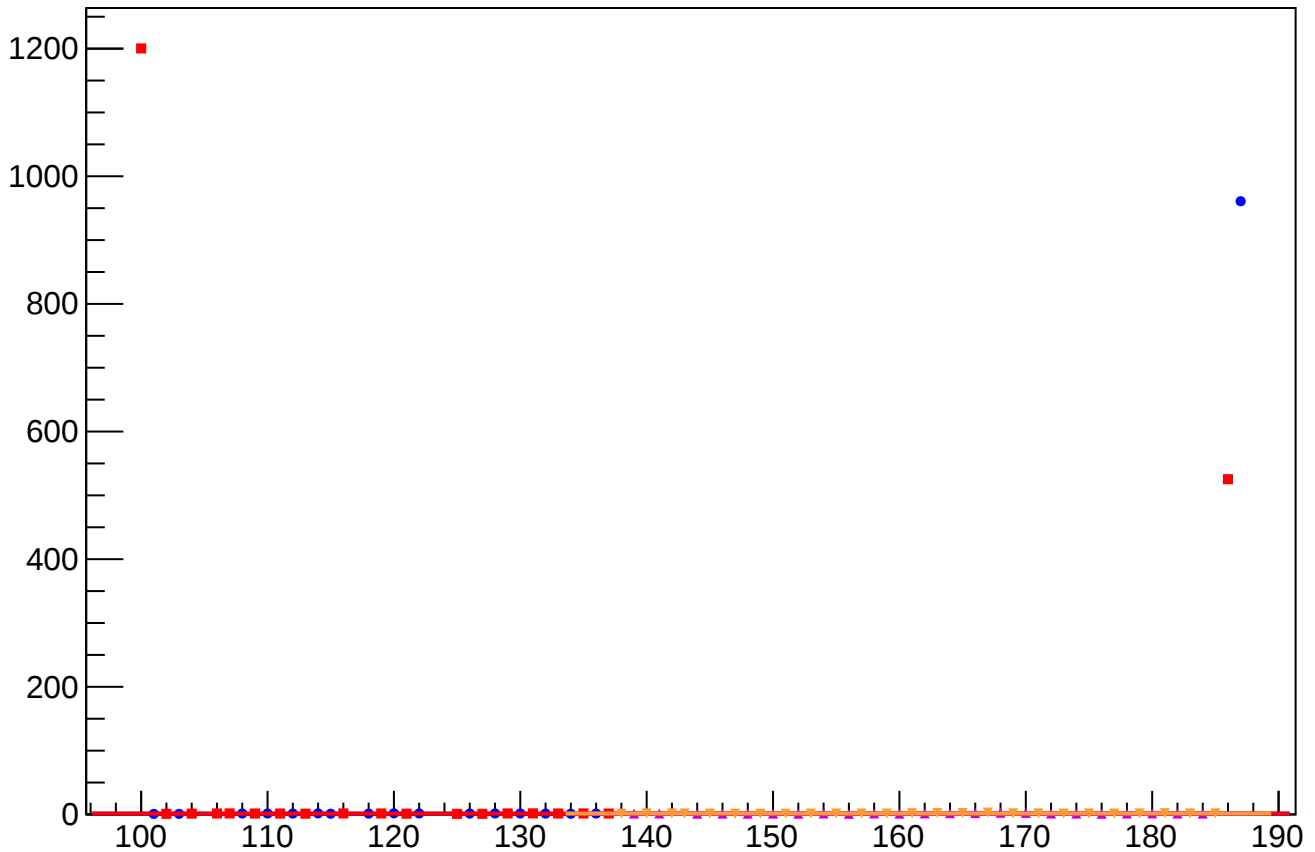
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.037 ± 0.310 χ^2/NDF : 37.8/41

All: -0.052 ± 0.222 χ^2/NDF : 72.1/83

- sign -0.069 ± 0.318 χ^2/NDF : 34.3/41

asym_ds_dd_correction_rms vs Slug



Right In: 1.233+/-0.000 χ^2/NDF : 764395.1/16

Left Out: 1.472+/-0.000 χ^2/NDF : 1156063.1/24

Right Out: 1.315+/-0.000 χ^2/NDF : 1187365.3/18

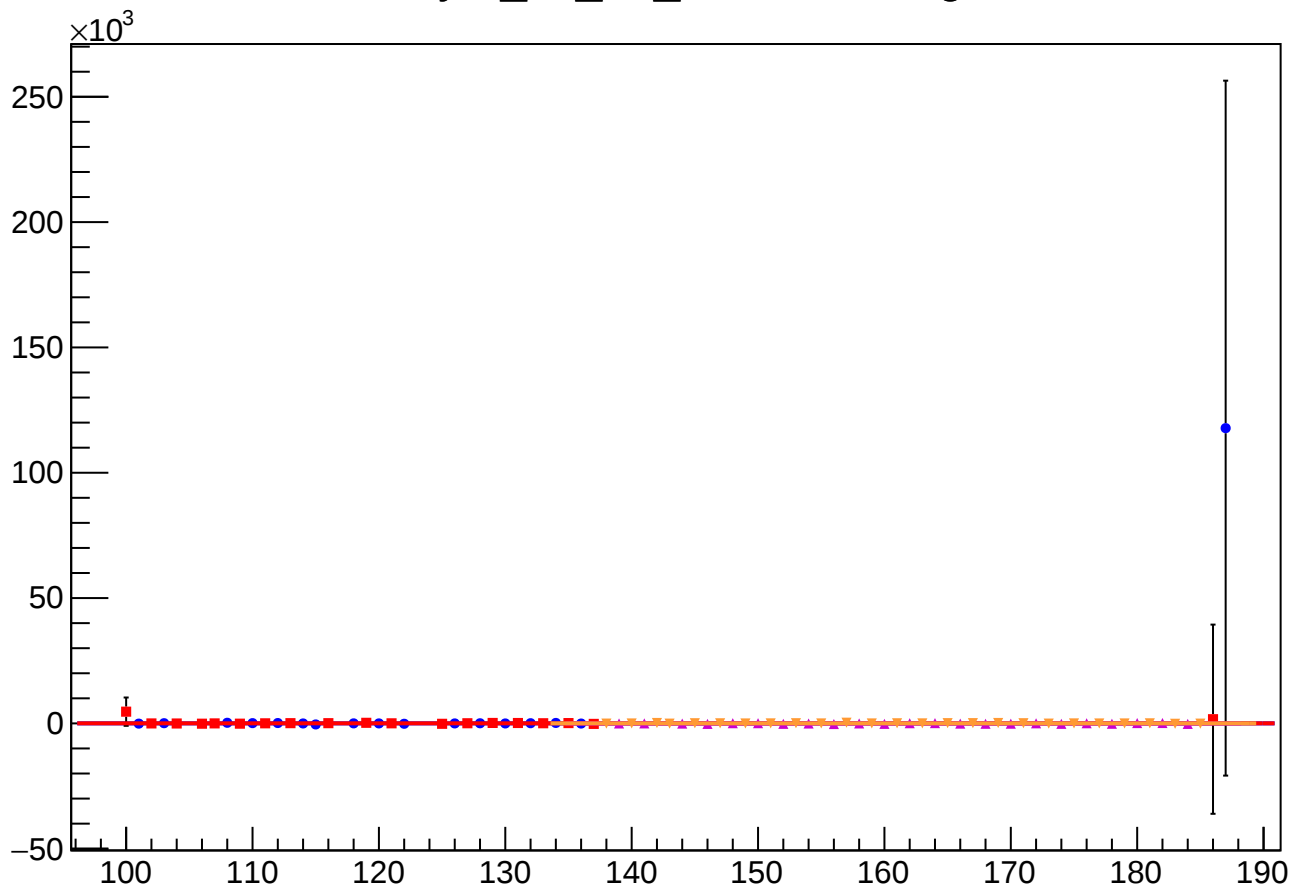
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ sign 1.391+/-0.000 χ^2/NDF : 2187628.3/41

All: 1.401+/-0.000 χ^2/NDF : 4521634.3/83

- sign 1.412+/-0.000 χ^2/NDF : 2329353.8/41

asym_ds_dd_mean vs Slug



Right In: 7.412 ± 30.020 $\chi^2/NDF: 14.6/16$

Left Out: 10.423 ± 20.971 $\chi^2/NDF: 18.4/24$

Right Out: 26.385 ± 30.482 $\chi^2/NDF: 13.0/18$

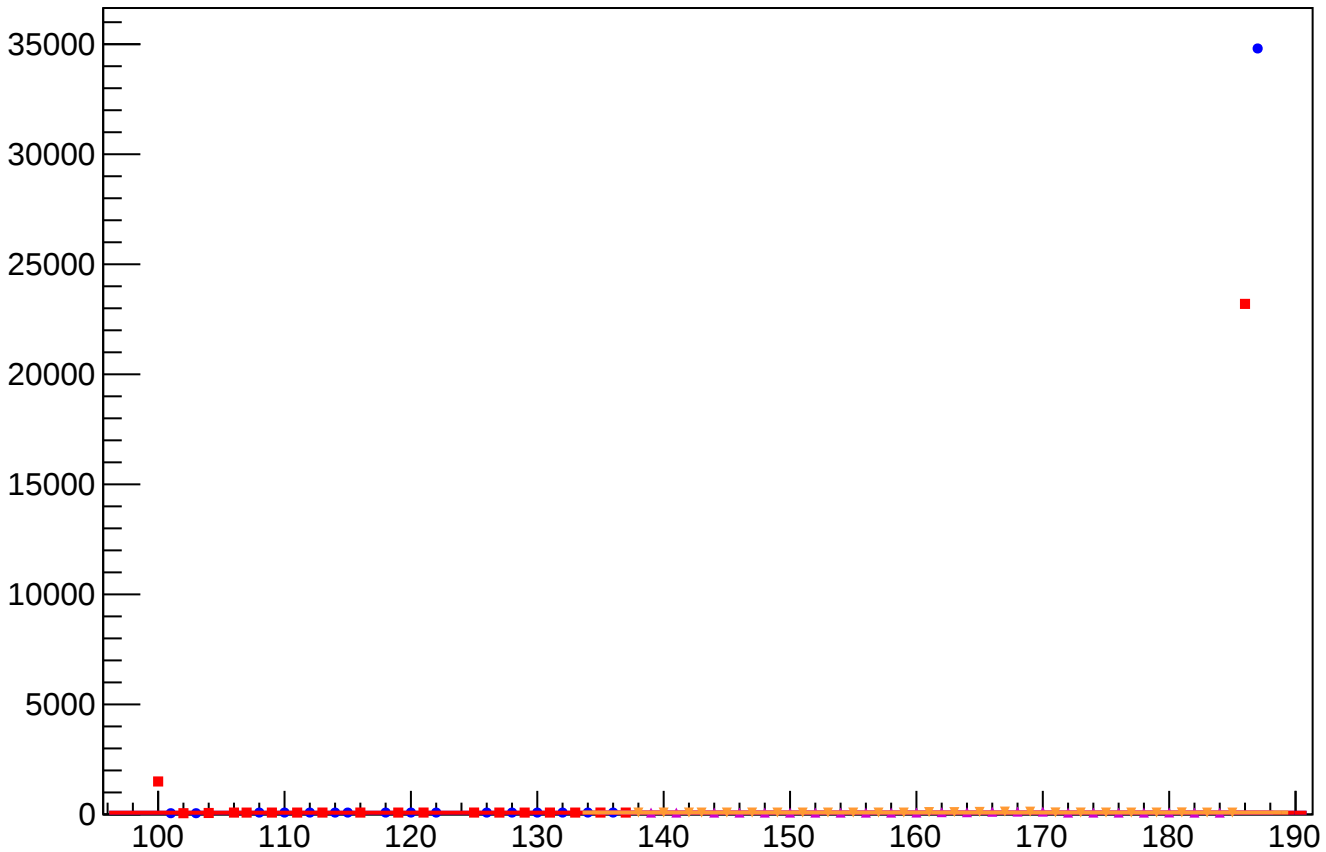
Left In: -43.905 ± 21.600 $\chi^2/NDF: 31.1/22$

+ sign 9.435 ± 17.192 $\chi^2/NDF: 33.0/41$

All: -5.116 ± 12.306 $\chi^2/NDF: 82.1/83$

- sign -20.408 ± 17.624 $\chi^2/NDF: 47.6/41$

asym_ds_dd_rms vs Slug



Right In: 76.026+/-0.021 χ^2/NDF : 540362.4/16

Left Out: 89.535+/-0.015 χ^2/NDF :469743.0/24

Right Out: 79.334+/-0.022 χ^2/NDF : 1137899.4/18

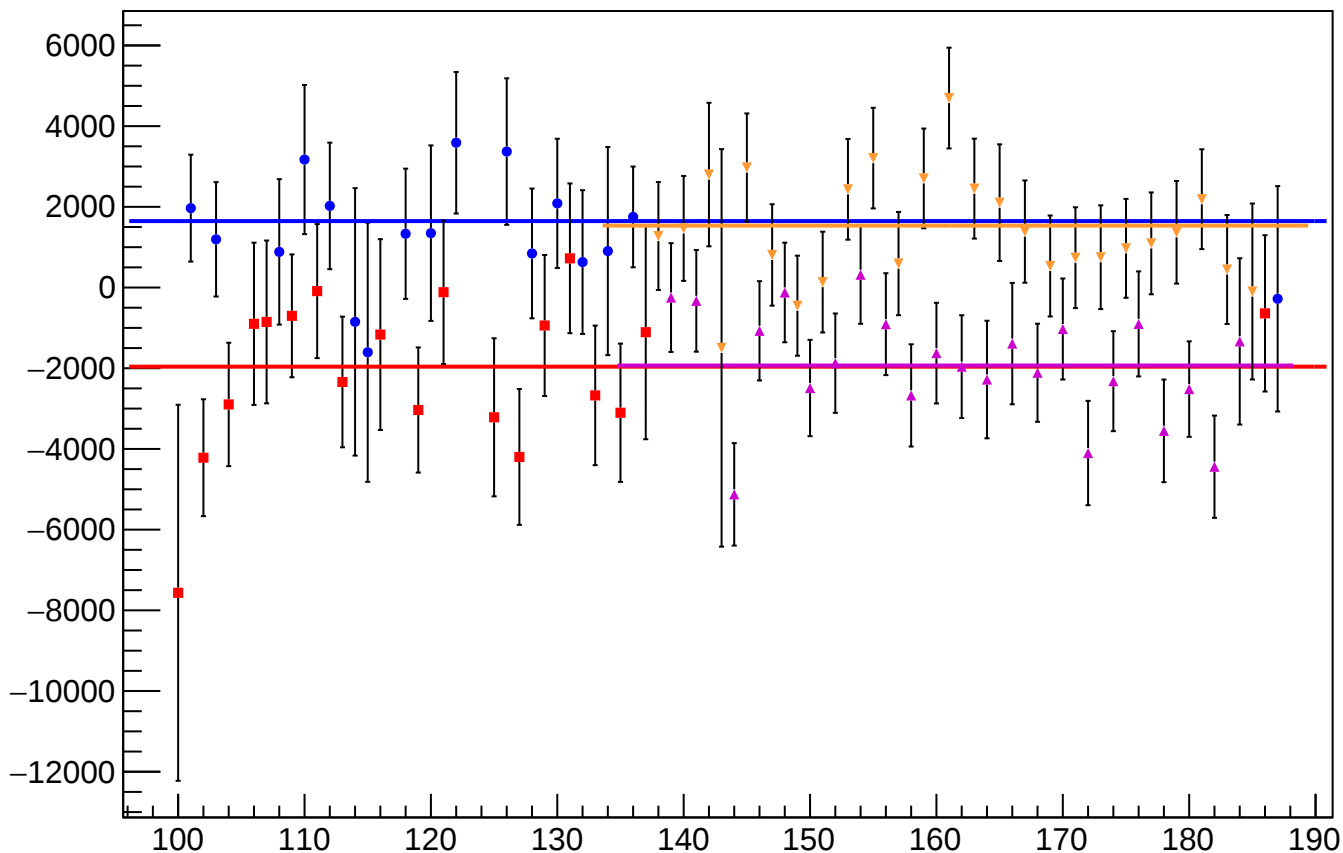
Left In: 89.655+/-0.015 χ^2/NDF :511848.9/22

+ sign 85.104 $\pm$ 0.012 χ^2 /NDF: 1282247.8/41

All: 85.641+/-0.009 χ^2/NDF : 3088617.6/83

- sign 86.205+/-0.012 χ^2/NDF : 1802376.9/41

reg_asym_usl_mean vs Slug



Right In: 1646.836 $\pm$ 426.502 χ^2 /NDF: 6.1/16

Left Out: 1535.246 $\pm$ 265.882 χ^2 /NDF:20.4/24

Right Out: -1961.051 $\pm$ 413.662 χ^2 /NDF: 14.3/18

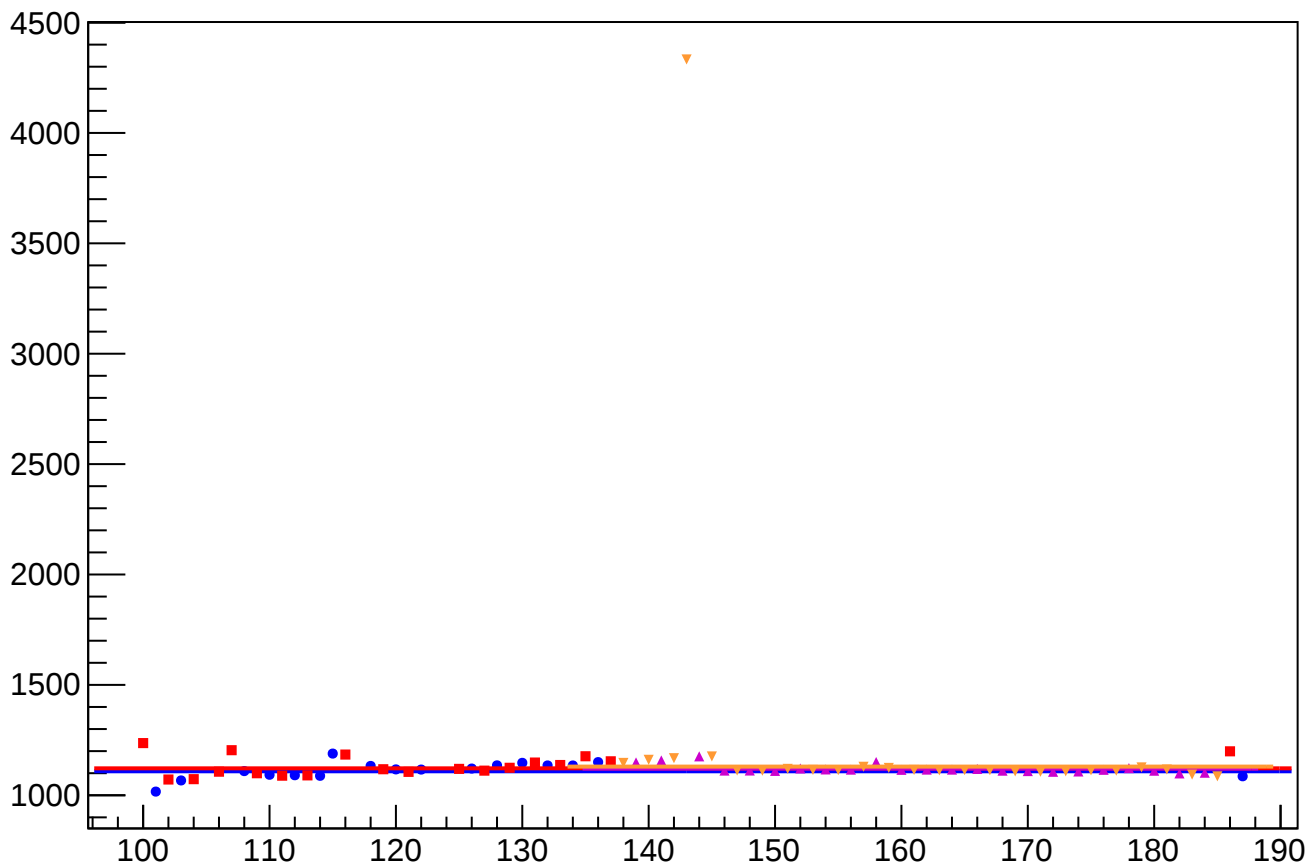
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

+ sign 1566.476 $\pm$ 225.629 χ^2 /NDF: 26.5/41

All: -192.890 $\pm$ 159.294 χ^2 /NDF: 189.0/83

- sign -1941.293 $\pm$ 224.925 χ^2 /NDF: 41.3/41

reg_asym_usl_rms vs Slug



Right In: 1108.664 $\pm$ 0.302 χ^2 /NDF: 18375.5/16

Left Out: 1129.901 $\pm$ 0.188 χ^2 /NDF: 858259.9/24

Right Out: 1122.034 $\pm$ 0.293 χ^2 /NDF: 18838.1/18

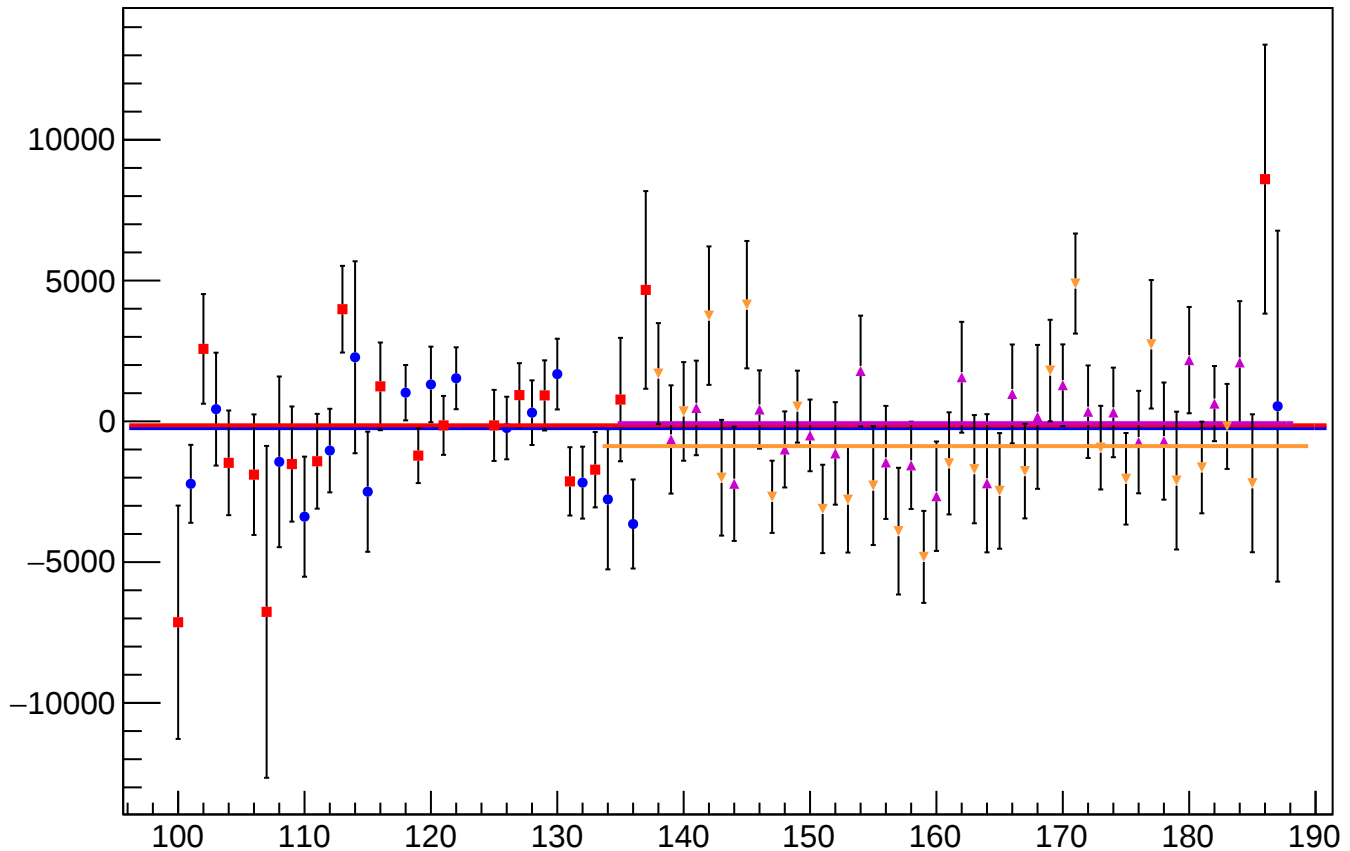
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1123.958 $\pm$ 0.160 χ^2 /NDF: 880206.5/41

All: 1122.624 $\pm$ 0.113 χ^2 /NDF: 908834.5/83

- sign 1121.299 $\pm$ 0.159 χ^2 /NDF: 28488.8/41

asym_usl_correction_mean vs Slug



Right In: -240.362 ± 360.880 χ^2/NDF : 22.6/16

Left Out: -879.685 ± 355.692 χ^2/NDF : 43.5/24

Right Out: -140.819 ± 356.557 χ^2/NDF : 28.5/18

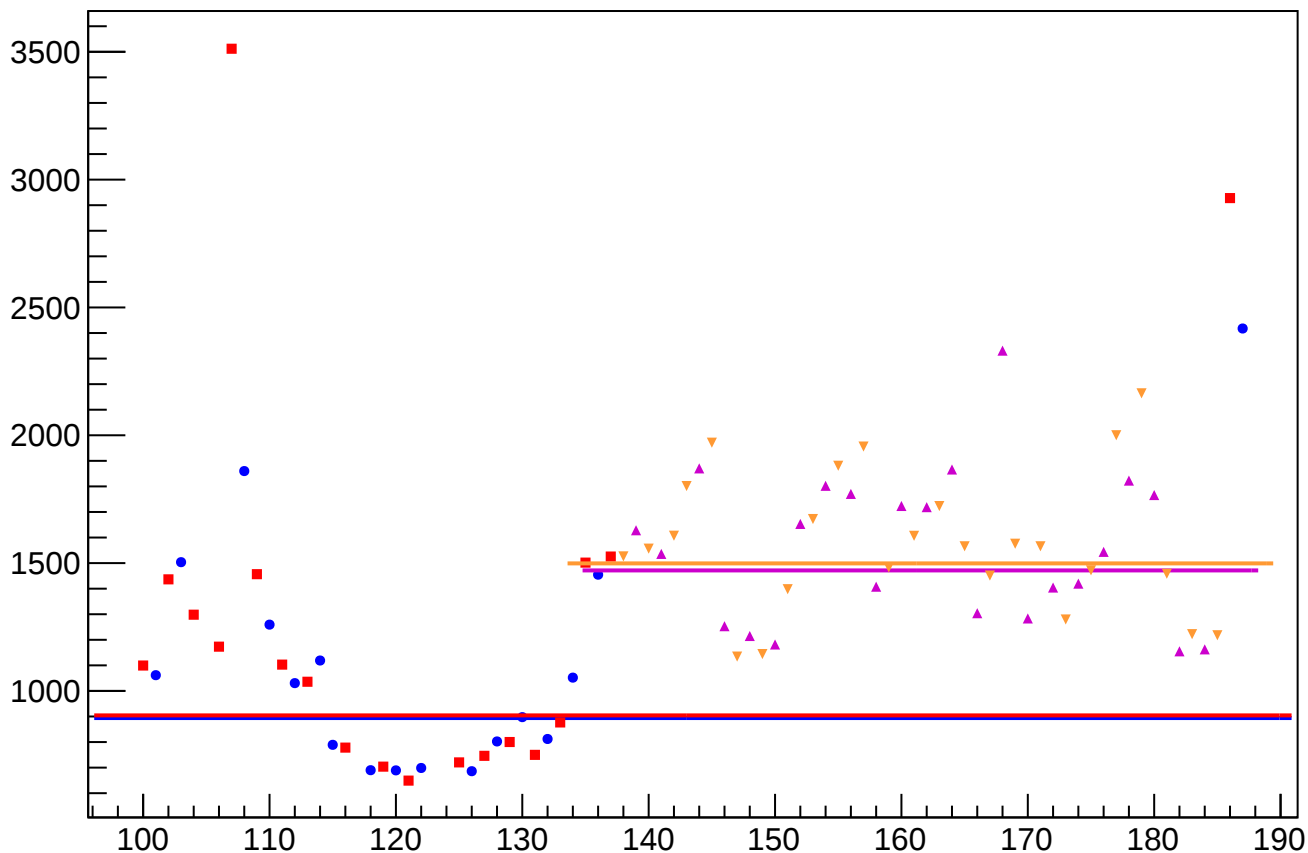
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -564.652 ± 253.327 χ^2/NDF : 67.7/41

All: -333.701 ± 178.981 χ^2/NDF : 110.1/83

- sign -103.512 ± 252.908 χ^2/NDF : 40.7/41

asym_usl_correction_rms vs Slug



Right In: 893.934+/-0.255 χ^2/NDF : 1172573.3/16

Left Out: 1498.849+/-0.252 χ^2/NDF : 1053906.2/24

Right Out: 904.315+/-0.252 χ^2/NDF : 1770141.0/18

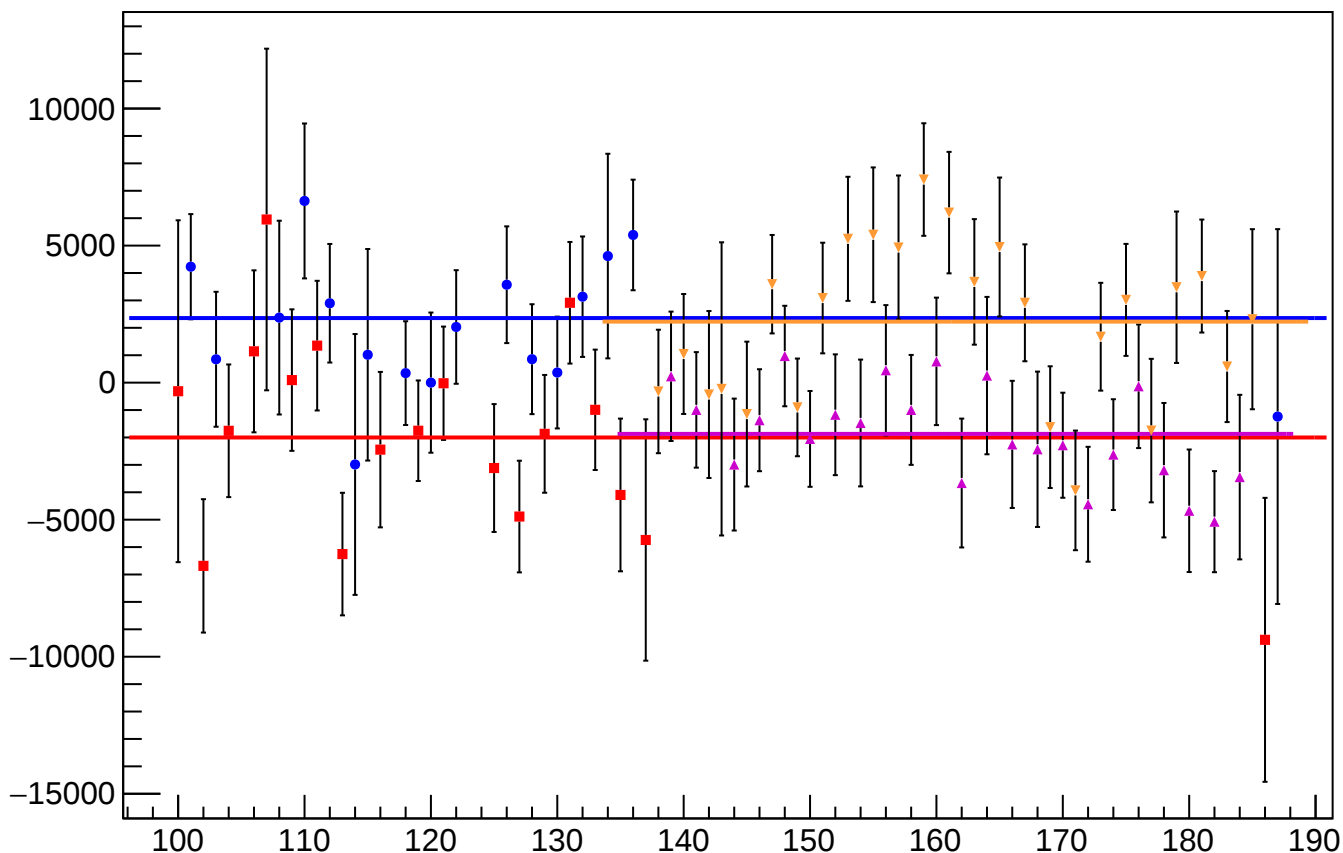
Left In: 1471.394+/-0.254 χ^2/NDF : 1105310.5/22

+ sign 1200.771+/-0.179 χ^2/NDF : 5076881.3/41

All: 1193.417+/-0.127 χ^2/NDF : 10469402.6/8

- sign 1186.088+/-0.179 χ^2/NDF : 5389156.4/41

asym_usl_mean vs Slug



Right In: 2355.921 $\pm$ 588.506 χ^2 /NDF: 11.9/16

Left Out: 2226.533 $\pm$ 454.821 χ^2 /NDF:38.8/24

Right Out: -2001.013 $\pm$ 581.261 χ^2 /NDF: 24.5/18

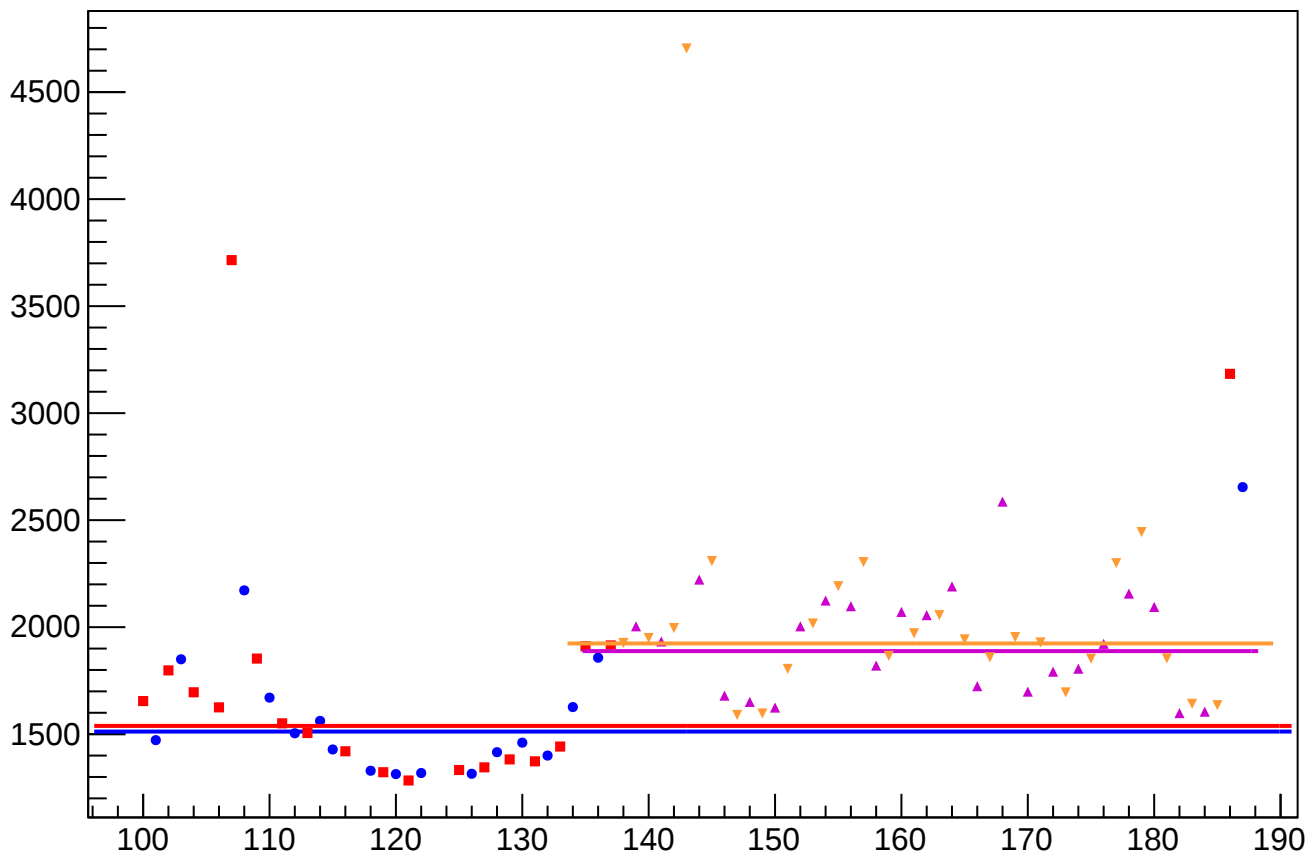
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2274.916 $\pm$ 359.873 χ^2 /NDF: 50.7/41

All: 169.651 $\pm$ 253.986 χ^2 /NDF: 158.3/83

- sign -1919.711 $\pm$ 358.512 χ^2 /NDF: 39.4/41

asym_usl_rms vs Slug



Right In: 1512.200+/-0.416 χ^2/NDF : 308365.8/16

Left Out: 1923.833+/-0.322 χ^2/NDF : 1006152.2/24

Right Out: 1538.670+/-0.411 χ^2/NDF : 680734.9/18

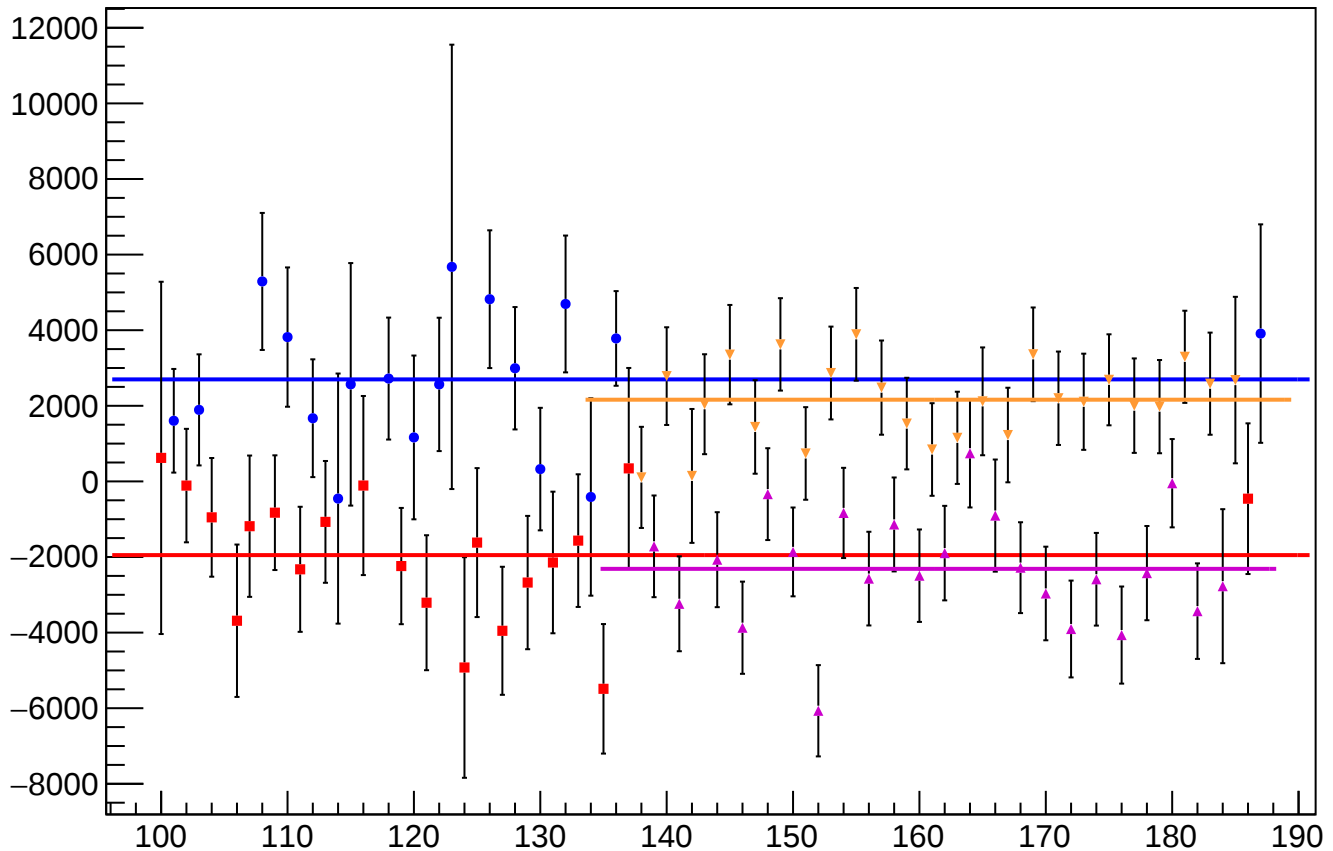
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1769.909+/-0.254 χ^2/NDF : 1927103.3/41

All: 1762.518+/-0.180 χ^2/NDF : 3561962.7/83

- sign 1755.183+/-0.254 χ^2/NDF : 1633178.6/41

reg_asym_usr_mean vs Slug



Right In: 2698.693 ± 429.735 χ^2/NDF : 12.6/17

Left Out: 2161.427 ± 257.518 χ^2/NDF : 15.1/24

Right Out: -1949.911 ± 411.113 χ^2/NDF : 13.4/19

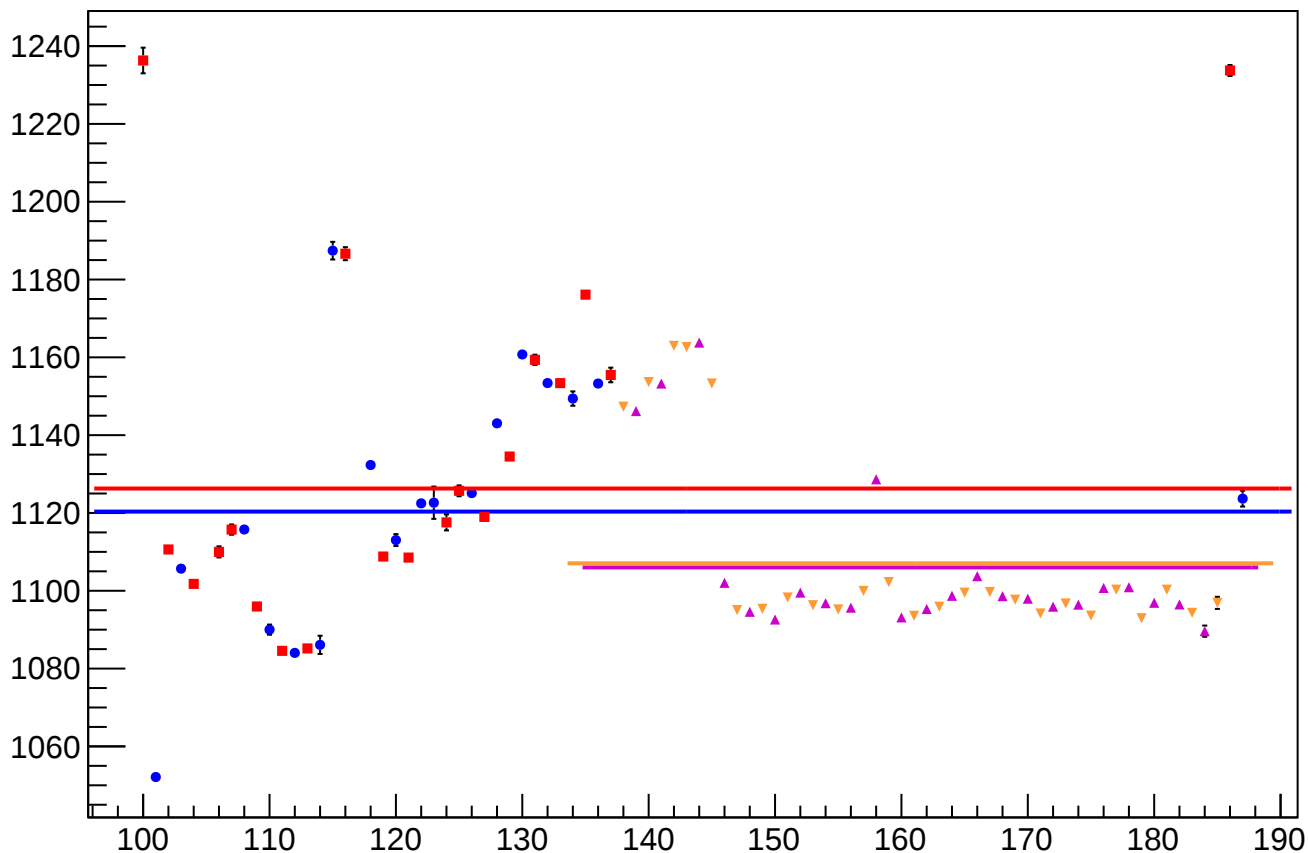
Left In: -2313.505 ± 264.429 χ^2/NDF : 31.3/22

+ sign 2303.382 ± 220.893 χ^2/NDF : 28.8/42

All: 63.444 ± 156.724 χ^2/NDF : 281.1/85

- sign -2207.102 ± 222.397 χ^2/NDF : 45.2/42

reg_asym_usr_rms vs Slug



Right In: 1120.353 $\pm$ 0.304 χ^2 /NDF: 11965.5/17

Left Out: 1107.057 $\pm$ 0.182 χ^2 /NDF: 15175.6/24

Right Out: 1126.282 $\pm$ 0.291 χ^2 /NDF: 16085.6/19

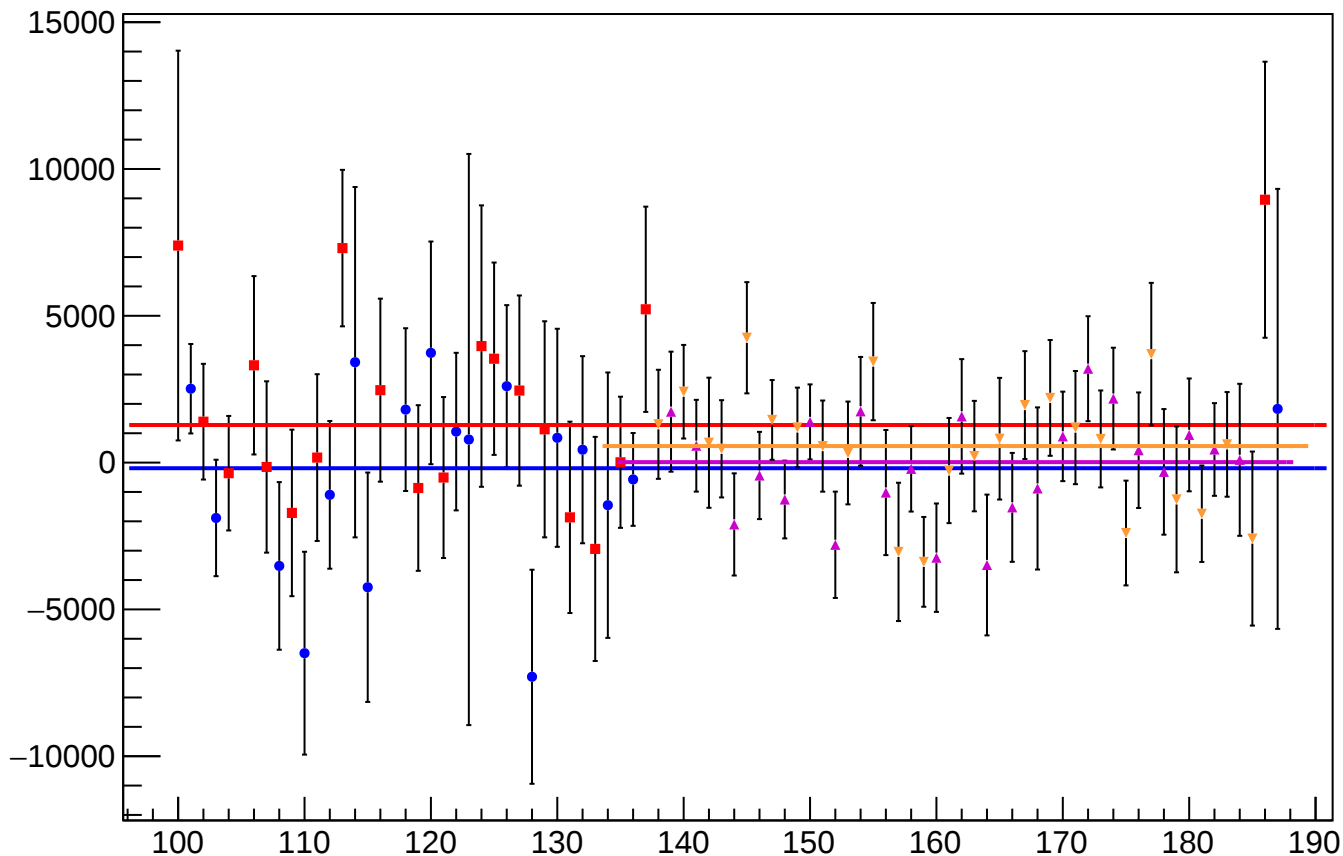
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1110.570 $\pm$ 0.156 χ^2 /NDF: 28549.7/42

All: 1111.247 $\pm$ 0.111 χ^2 /NDF: 59668.8/85

- sign 1111.933 $\pm$ 0.157 χ^2 /NDF: 31081.3/42

asym_usr_correction_mean vs Slug



Right In: -191.828 ± 654.125 $\chi^2/\text{NDF}: 17.1/17$

Left Out: 563.282 ± 360.901 $\chi^2/\text{NDF}: 26.8/24$

Right Out: 1280.334 ± 657.055 $\chi^2/\text{NDF}: 17.1/19$

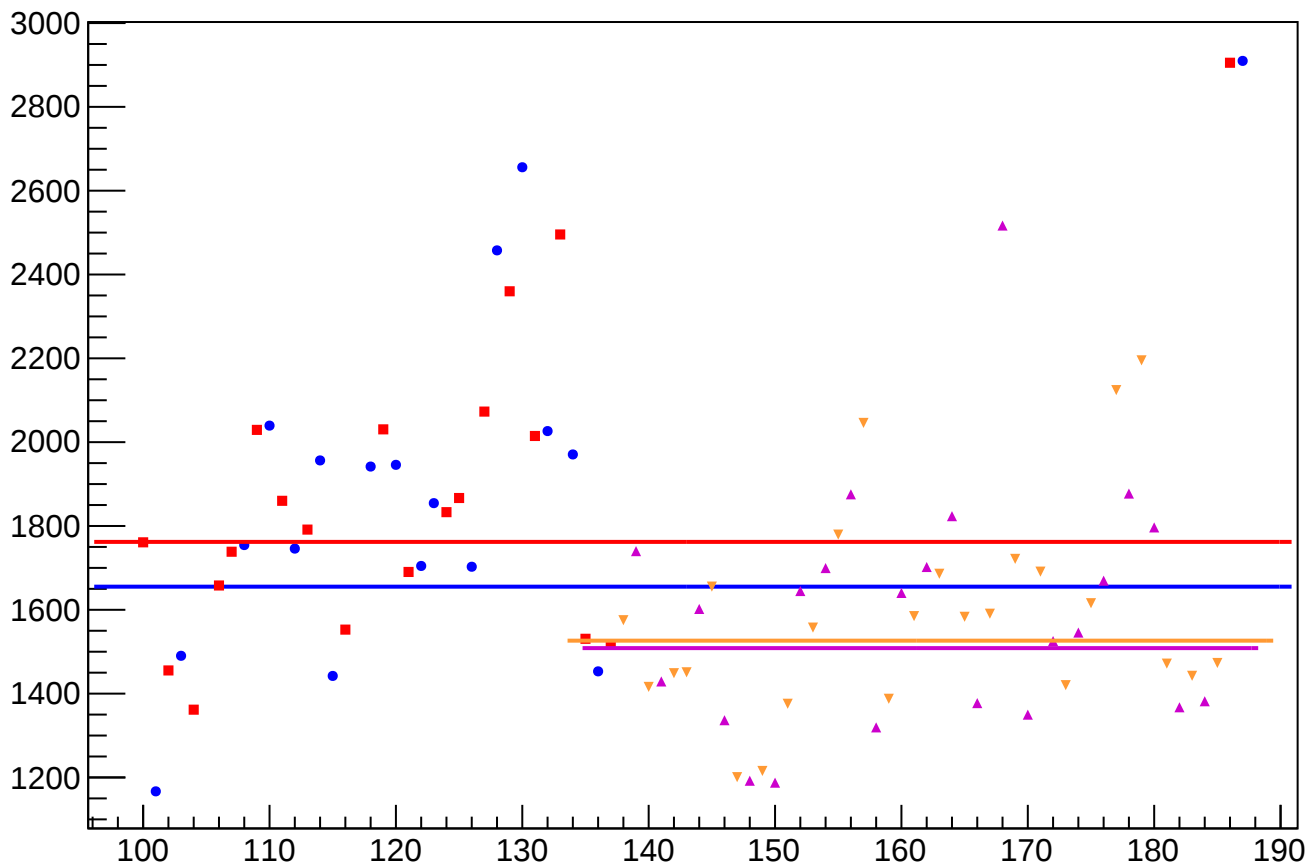
Left In: 15.520 ± 366.854 $\chi^2/\text{NDF}: 20.1/22$

+ sign 387.063 ± 315.996 $\chi^2/\text{NDF}: 44.9/42$

All: 352.064 ± 224.953 $\chi^2/\text{NDF}: 85.0/85$

- sign 316.103 ± 320.310 $\chi^2/\text{NDF}: 40.1/42$

asym_usr_correction_rms vs Slug



Right In: 1655.212 $\pm$ 0.463 χ^2 /NDF: 663184.9/17

Left Out: 1526.391 $\pm$ 0.255 χ^2 /NDF: 753714.4/24

Right Out: 1762.034 $\pm$ 0.465 χ^2 /NDF: 493223.5/19

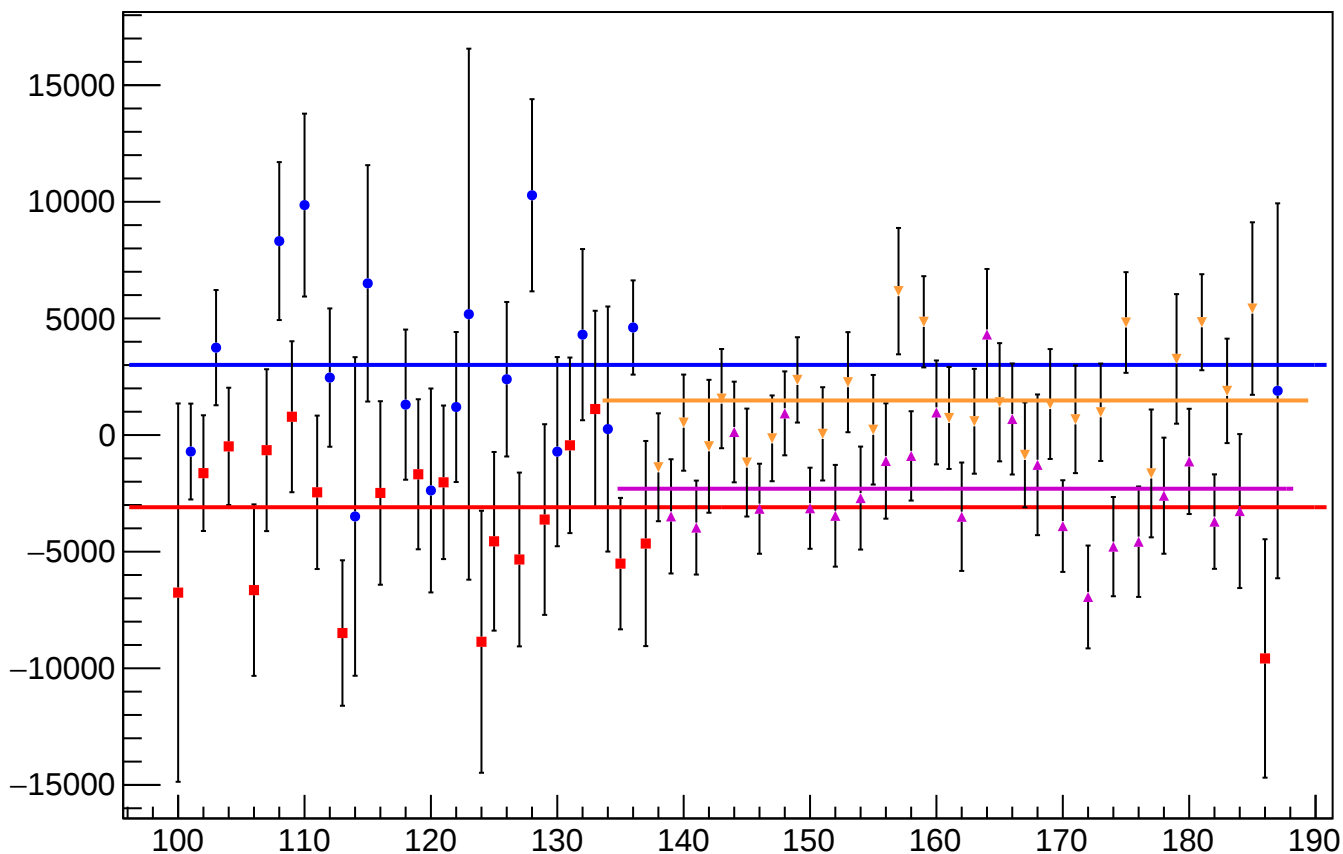
Left In: 1508.581 $\pm$ 0.259 χ^2 /NDF: 931684.8/22

+ sign 1556.454 $\pm$ 0.223 χ^2 /NDF: 1476365.3/42

All: 1562.550 $\pm$ 0.159 χ^2 /NDF: 3129652.3/85

- sign 1568.814 $\pm$ 0.226 χ^2 /NDF: 1651777.8/42

asym_usr_mean vs Slug



Right In: 3007.383 $\pm$ 800.020 χ^2 /NDF: 17.5/17

Left Out: 1482.365 $\pm$ 449.983 χ^2 /NDF: 20.9/24

Right Out: -3094.276 $\pm$ 787.629 χ^2 /NDF: 13.4/19

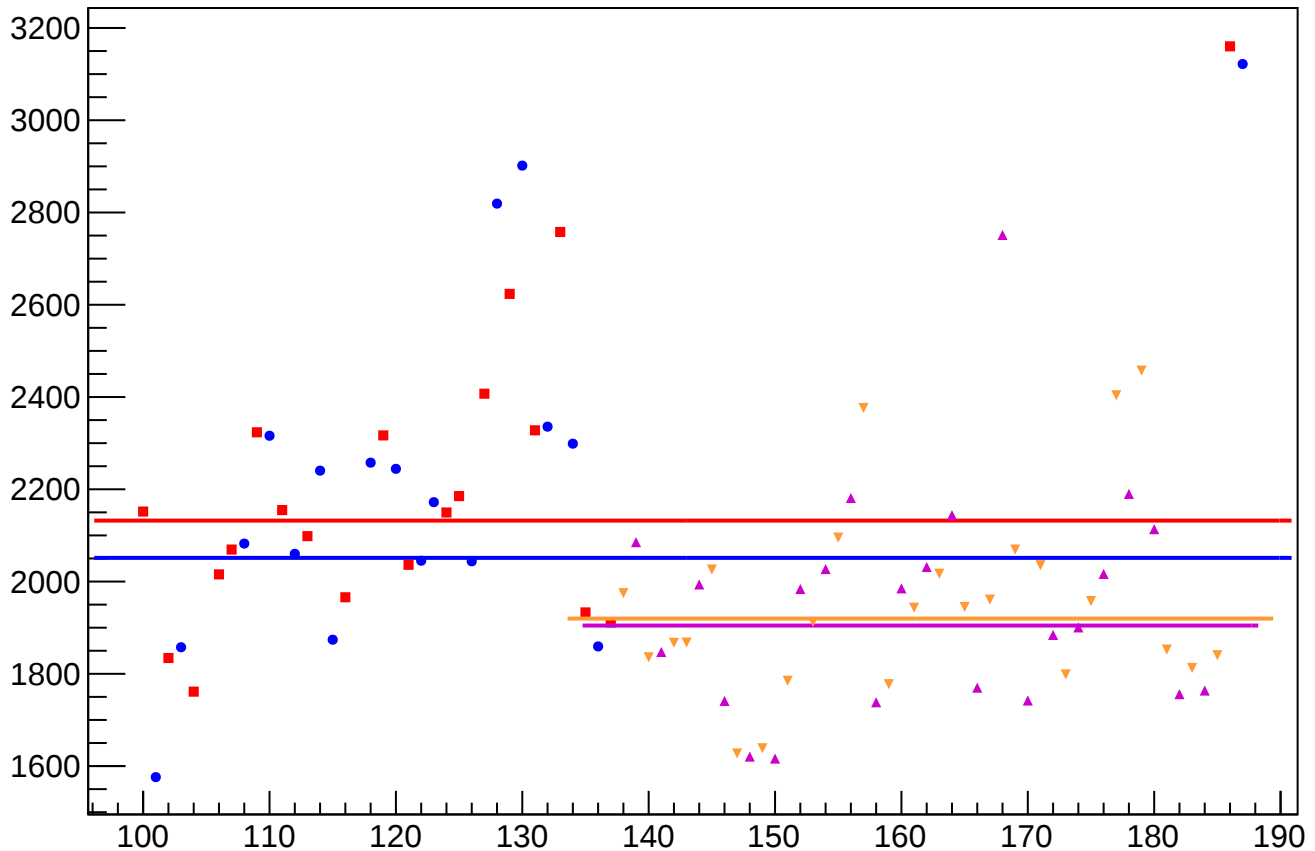
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1848.878 $\pm$ 392.200 χ^2 /NDF: 41.2/42

All: -302.456 $\pm$ 278.870 χ^2 /NDF: 141.0/85

- sign -2502.318 $\pm$ 396.599 χ^2 /NDF: 39.0/42

asym_usr_rms vs Slug



Right In: 2051.348 $\pm$ 0.566 χ^2 /NDF: 372406.5/17

Left Out: 1919.732 $\pm$ 0.318 χ^2 /NDF: 366218.1/24

Right Out: 2132.130 $\pm$ 0.557 χ^2 /NDF: 279900.5/19

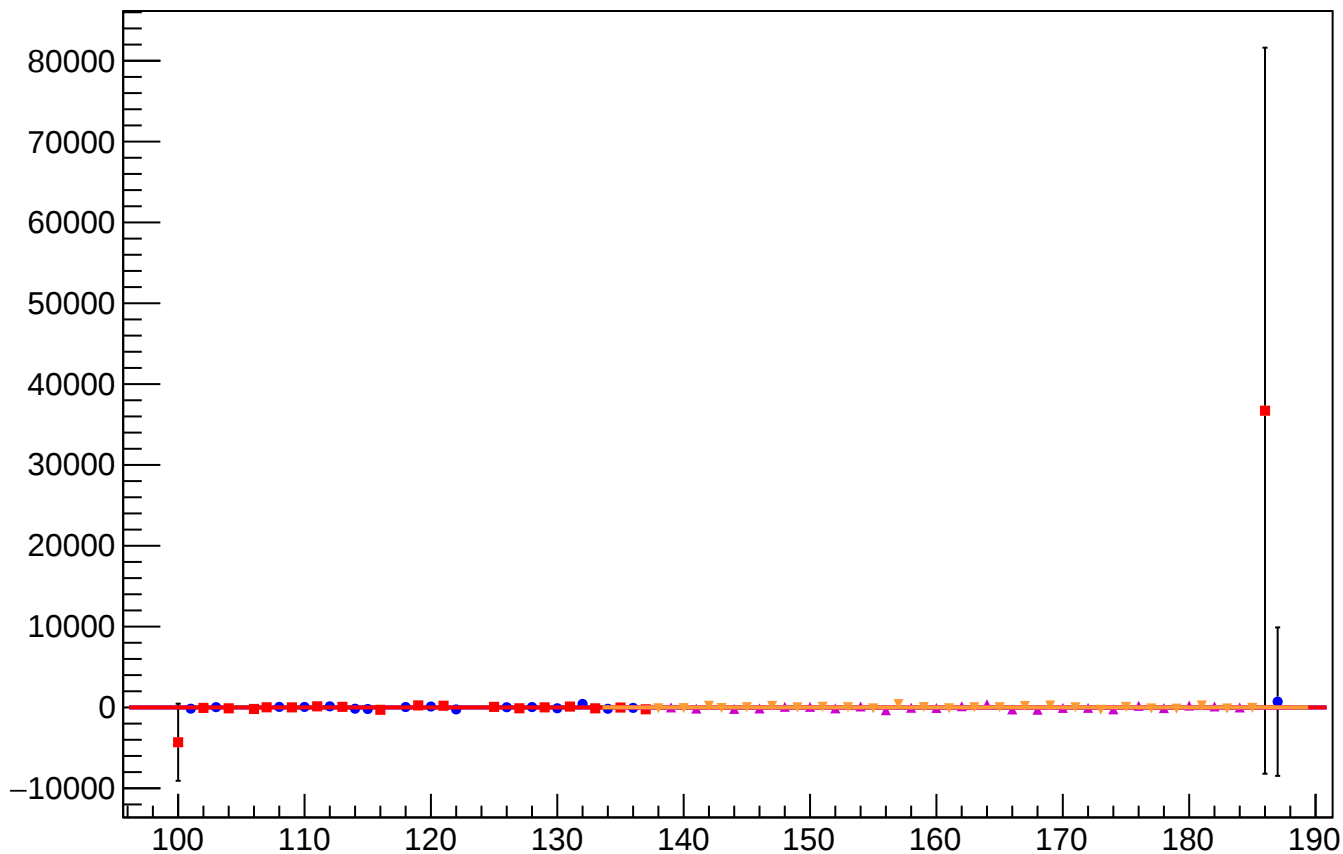
Left In: 1904.629 $\pm$ 0.325 χ^2 /NDF: 447350.7/22

+ sign 1951.363 $\pm$ 0.277 χ^2 /NDF: 779746.2/42

All: 1956.776 $\pm$ 0.197 χ^2 /NDF: 1632321.9/85

- sign 1962.311 $\pm$ 0.280 χ^2 /NDF: 851805.2/42

reg_asym_dsl_mean vs Slug



Right In: -0.758 ± 36.771 χ^2/NDF : 16.5/16

Left Out: 7.608 ± 25.572 χ^2/NDF : 36.5/24

Right Out: -1.435 ± 36.756 χ^2/NDF : 14.4/18

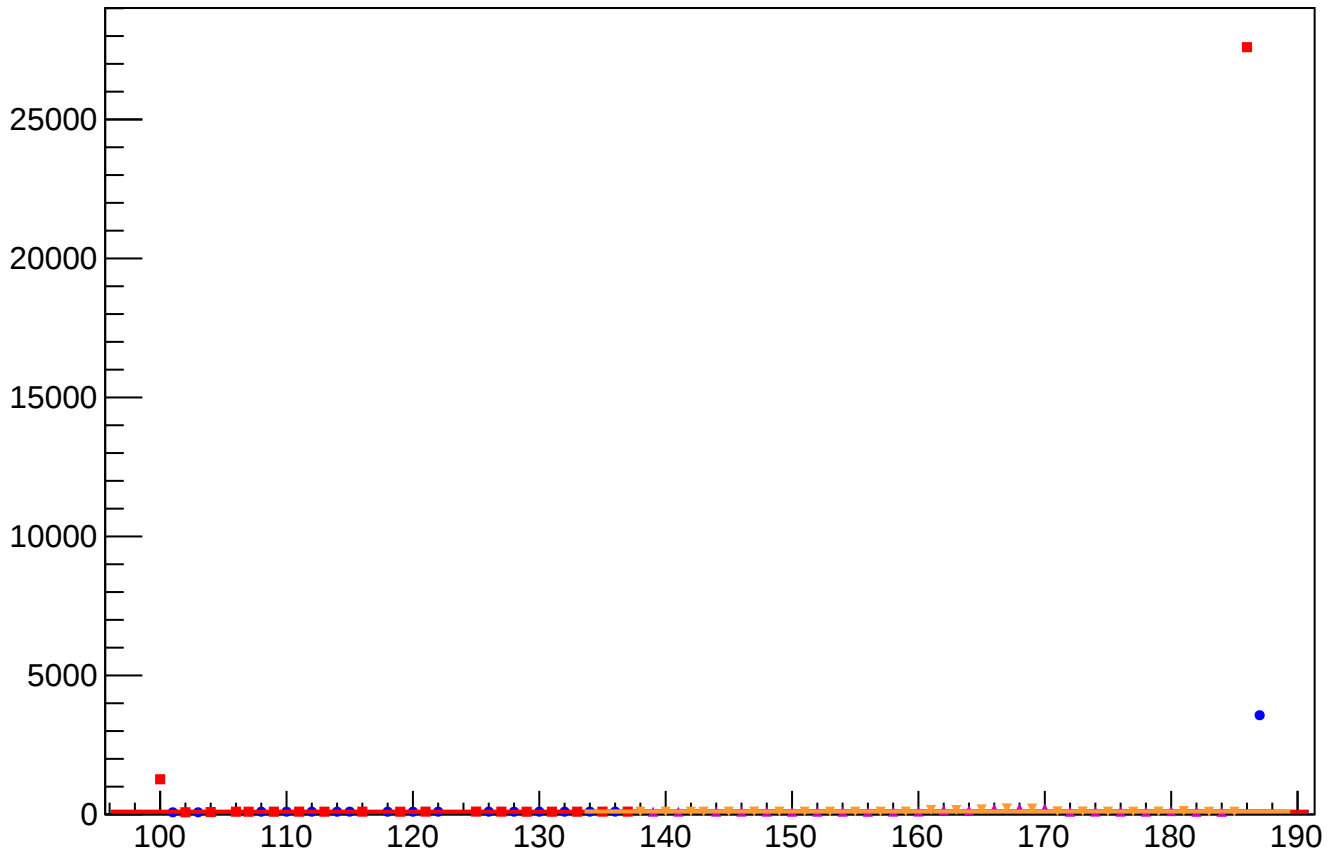
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 4.881 ± 20.995 χ^2/NDF : 53.0/41

All: -5.777 ± 14.991 χ^2/NDF : 104.7/83

- sign -16.862 ± 21.412 χ^2/NDF : 51.1/41

reg_asym_dsl_rms vs Slug



Right In: 94.103+/-0.026 χ^2/NDF : 438429.5/16

Left Out: 107.590+/-0.018 χ^2/NDF : 1447372.1/24

Right Out: 96.376+/-0.026 χ^2/NDF : 959204.9/18

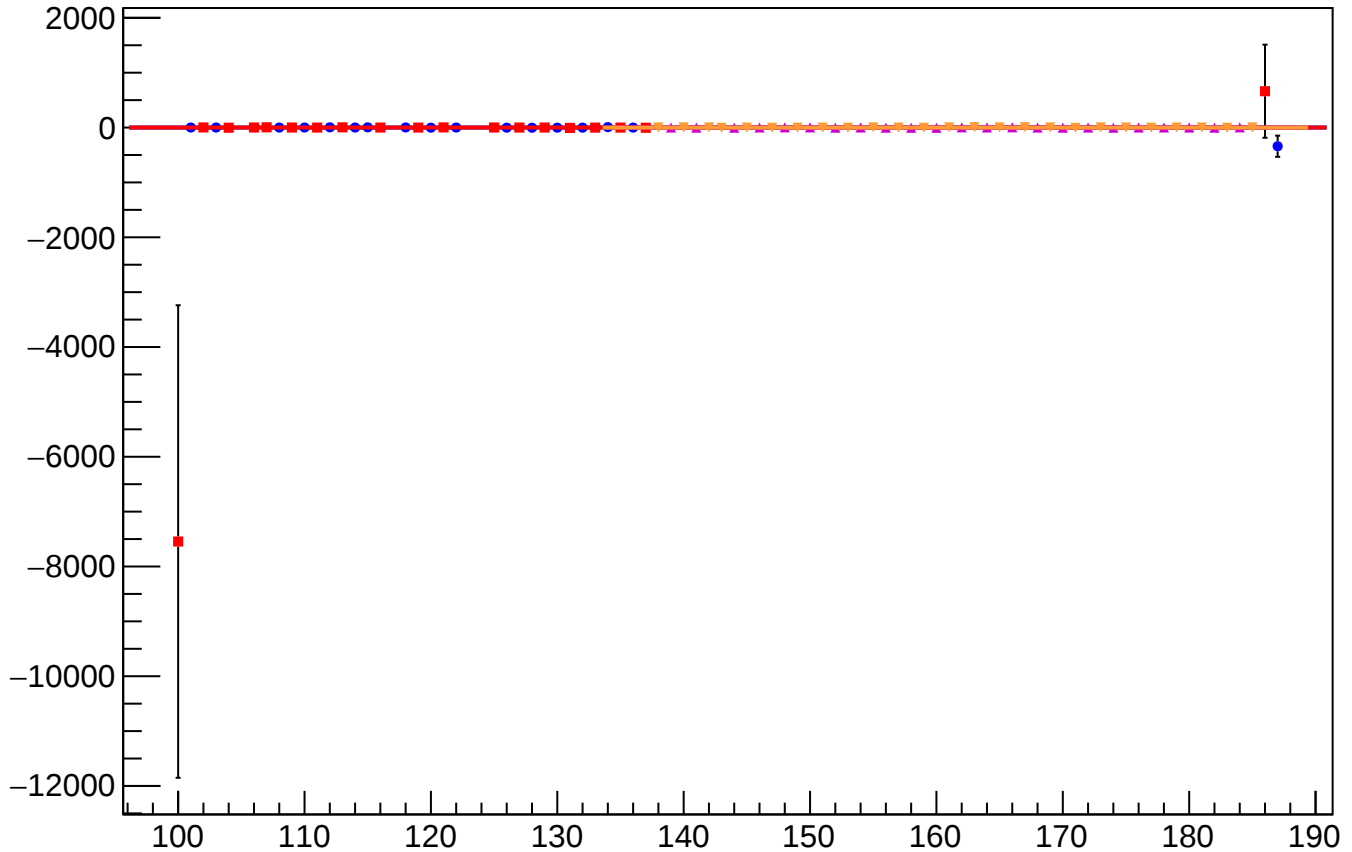
Left In: 107.672+/-0.019 χ^2/NDF : 1491034.7/22

+ sign 103.193+/-0.015 χ^2/NDF : 2067145.9/41

All: 103.510+/-0.011 χ^2/NDF : 4643105.9/83

- sign 103.839+/-0.015 χ^2/NDF : 2575031.8/41

asym_dsl_correction_mean vs Slug



Right In: 0.386 ± 0.617 χ^2/NDF : 13.5/16

Left Out: -0.765 ± 0.459 χ^2/NDF : 34.1/24

Right Out: 0.345 ± 0.644 χ^2/NDF : 21.6/18

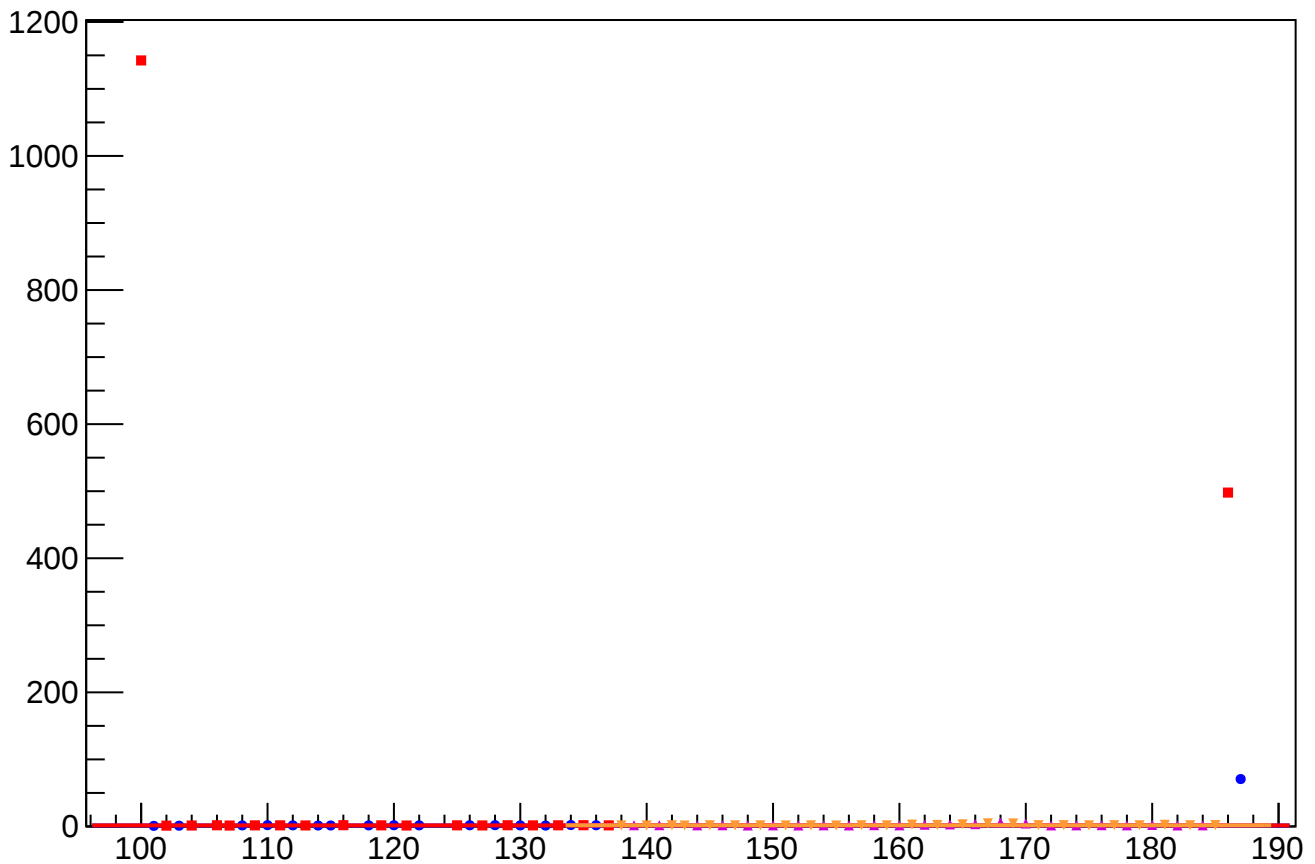
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.355 ± 0.368 χ^2/NDF : 49.9/41

All: -0.106 ± 0.267 χ^2/NDF : 97.6/83

- sign 0.168 ± 0.387 χ^2/NDF : 46.7/41

asym_dsl_correction_rms vs Slug



Right In: 1.421+/-0.000 χ^2/NDF : 971836.1/16

Left Out: 1.746+/-0.000 χ^2/NDF : 1683746.5/24

Right Out: 1.555+/-0.000 χ^2/NDF : 998606.0/18

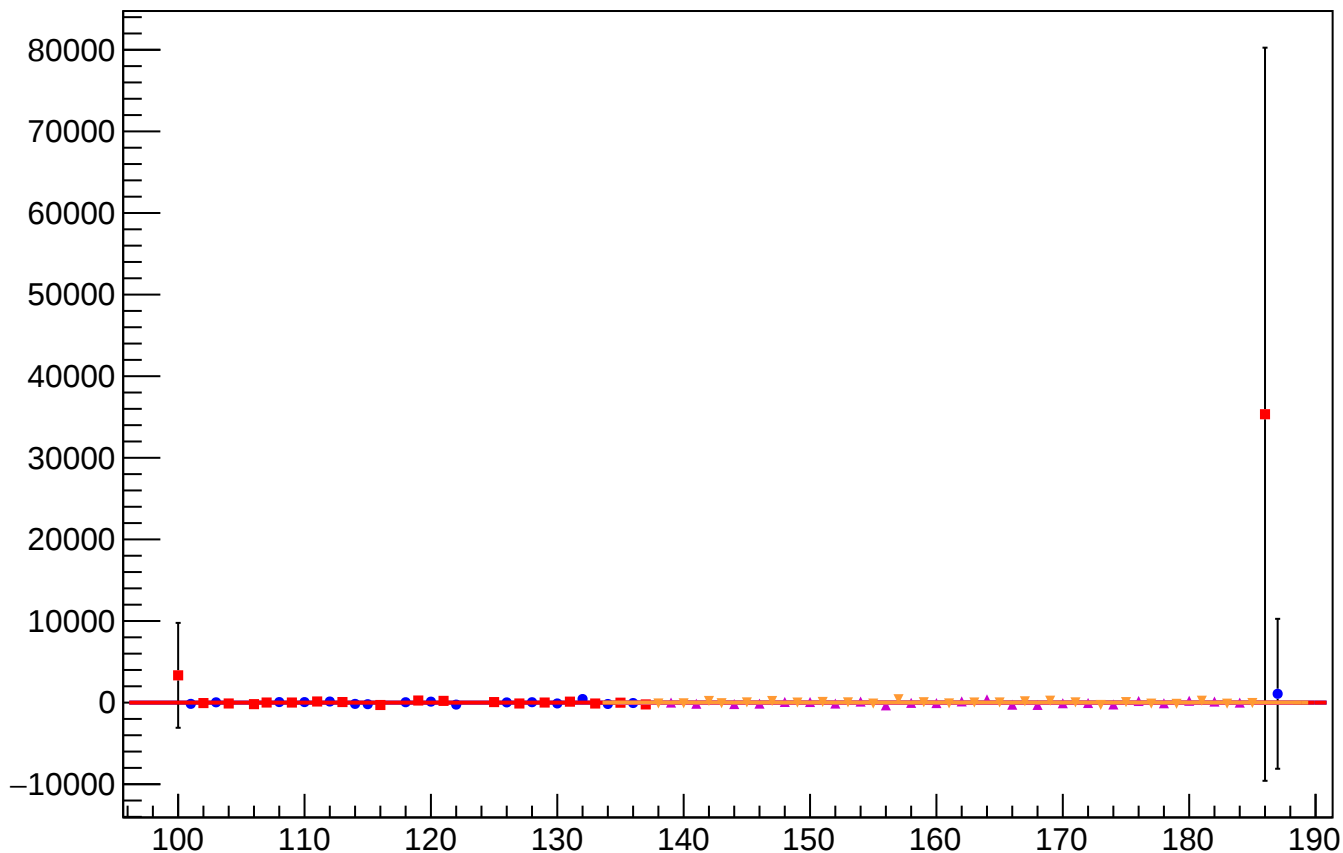
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.630+/-0.000 χ^2/NDF : 3014084.2/41

All: 1.670+/-0.000 χ^2/NDF : 6170252.7/83

- sign 1.713+/-0.000 χ^2/NDF : 3108246.1/41

asym_dsl_mean vs Slug



Right In: -0.456 ± 36.781 χ^2/NDF : 16.7/16

Left Out: 8.411 ± 25.580 χ^2/NDF : 36.3/24

Right Out: -1.200 ± 36.766 χ^2/NDF : 13.9/18

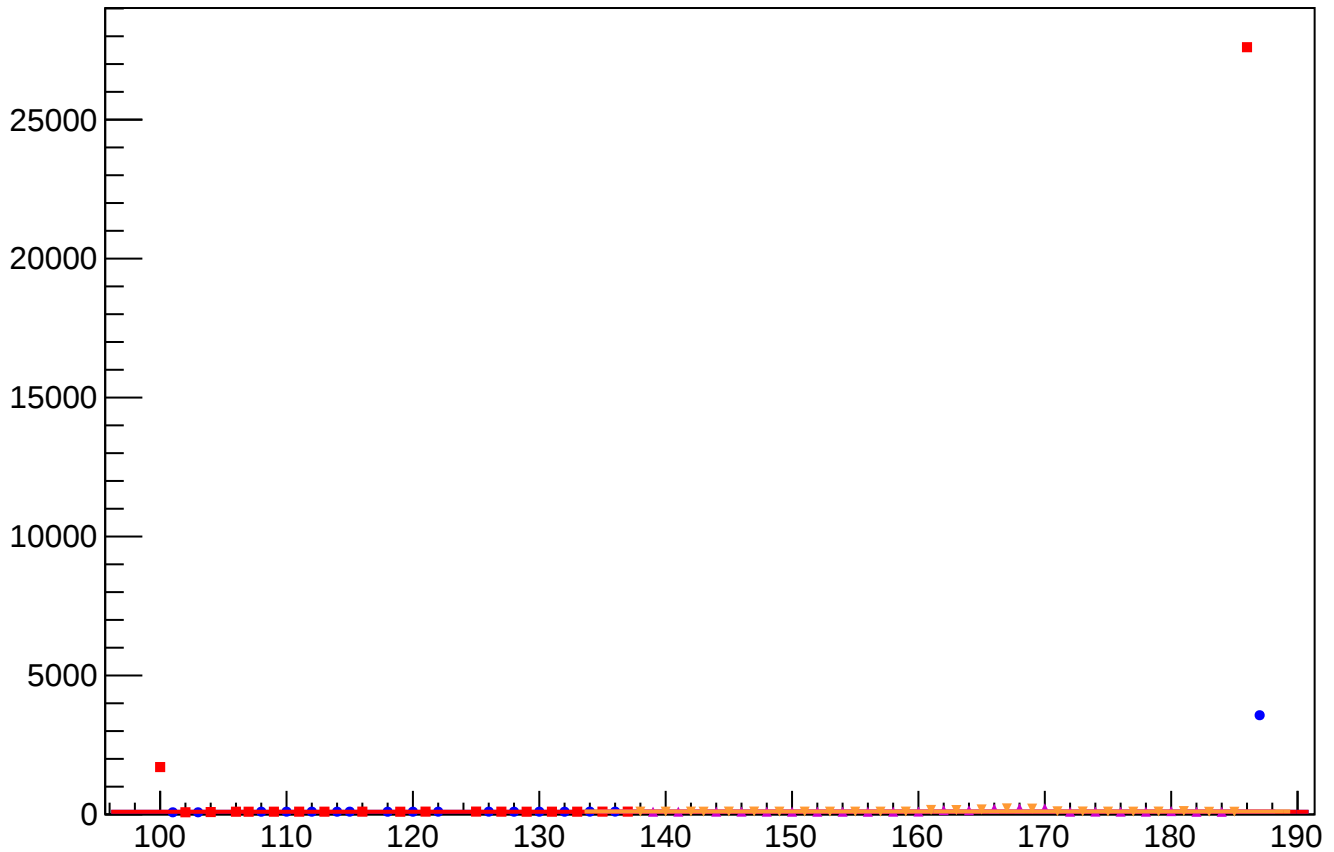
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 5.520 ± 21.001 χ^2/NDF : 53.0/41

All: -5.581 ± 14.995 χ^2/NDF : 103.5/83

- sign -17.129 ± 21.418 χ^2/NDF : 49.9/41

asym_dsl_rms vs Slug



Right In: 94.127+/-0.026 χ^2/NDF : 438449.6/16

Left Out: 107.620+/-0.018 χ^2/NDF : 1448769.2/24

Right Out: 96.385+/-0.026 χ^2/NDF : 964345.9/18

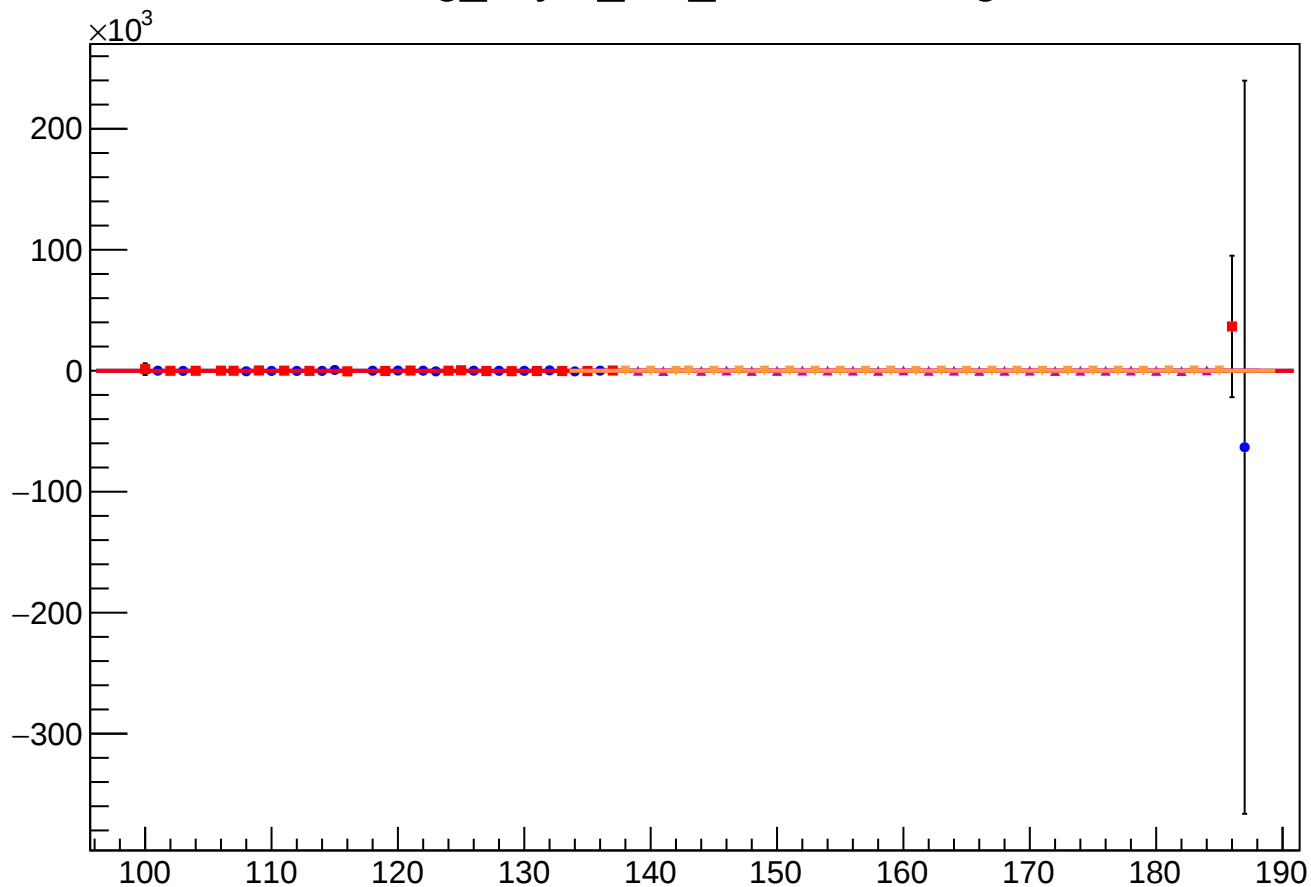
Left In: 107.703+/-0.019 χ^2/NDF : 1492338.5/22

+ sign 103.221+/-0.015 χ^2/NDF : 2068631.3/41

All: 103.535+/-0.011 χ^2/NDF : 4651434.6/83

- sign 103.862+/-0.015 χ^2/NDF : 2581890.2/41

reg_asym_dsr_mean vs Slug



Right In: -26.799 ± 46.841 χ^2/NDF : 14.5/17

Left Out: -12.829 ± 32.063 χ^2/NDF : 12.0/24

Right Out: -53.360 ± 47.775 χ^2/NDF : 15.8/19

Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.286 ± 26.458 χ^2/NDF : 26.5/42

All: 4.350 ± 18.939 χ^2/NDF : 67.2/85

- sign 27.084 ± 27.121 χ^2/NDF : 39.3/42

reg_asym_dsr_rms vs Slug



Right In: 117.764 $\pm$ 0.033 χ^2 /NDF: 797574.6/17

Left Out: 137.856 $\pm$ 0.023 χ^2 /NDF: 443.5/24

Right Out: 124.748 $\pm$ 0.034 χ^2 /NDF: 1306936.4/19

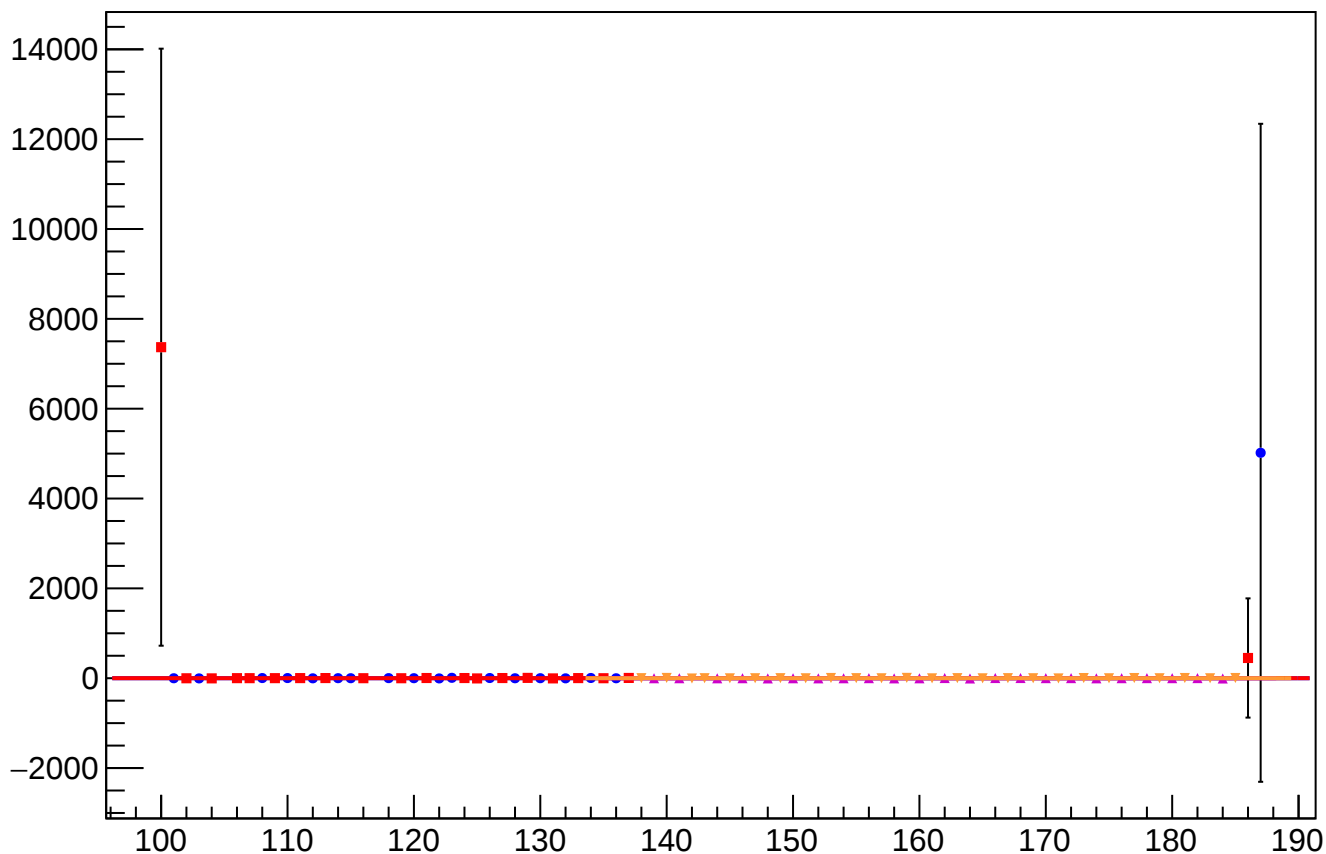
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.446 $\pm$ 0.019 χ^2 /NDF: 1048613.0/42

All: 132.495 $\pm$ 0.013 χ^2 /NDF: 2463694.6/85

- sign 133.597 $\pm$ 0.019 χ^2 /NDF: 1408636.1/42

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 12.7/17

Left Out: 0.490 ± 0.572 χ^2/NDF : 29.0/24

Right Out: 0.638 ± 0.852 χ^2/NDF : 14.8/19

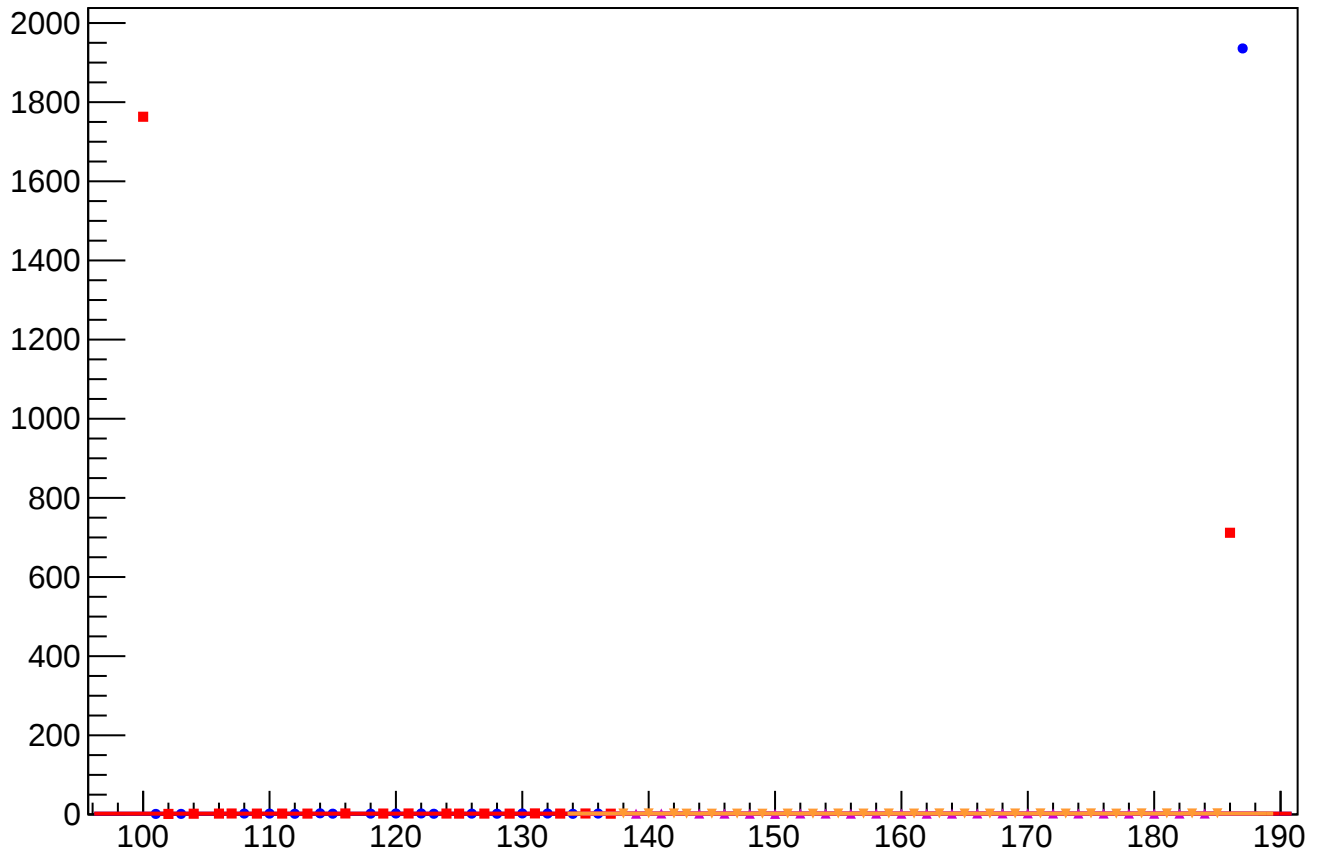
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 43.1/42

All: 0.046 ± 0.334 χ^2/NDF : 79.5/85

- sign 0.003 ± 0.479 χ^2/NDF : 36.3/42

asym_dsr_correction_rms vs Slug



Right In: 1.865 $\pm$ 0.001 χ^2 /NDF: 629203.6/17

Left Out: 2.262 $\pm$ 0.000 χ^2 /NDF: 374973.2/24

Right Out: 2.064 $\pm$ 0.001 χ^2 /NDF: 1093892.4/19

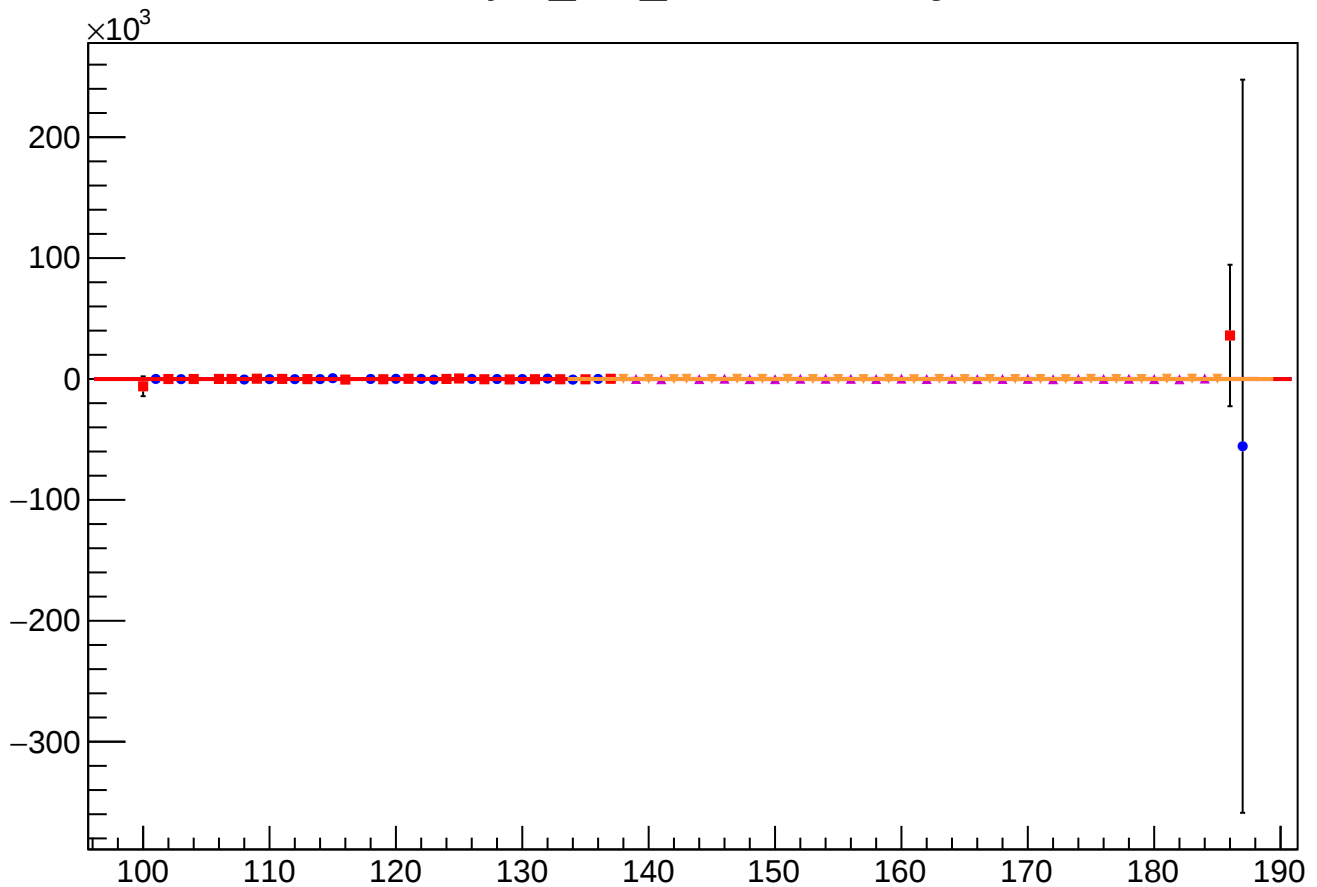
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 1324048.7/42

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 2962429.1/85

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 1636154.0/42

asym_dsr_mean vs Slug



Right In: -25.061 ± 46.854 χ^2/NDF : 14.5/17

Left Out: -13.383 ± 32.072 χ^2/NDF : 11.8/24

Right Out: -54.262 ± 47.789 χ^2/NDF : 16.5/19

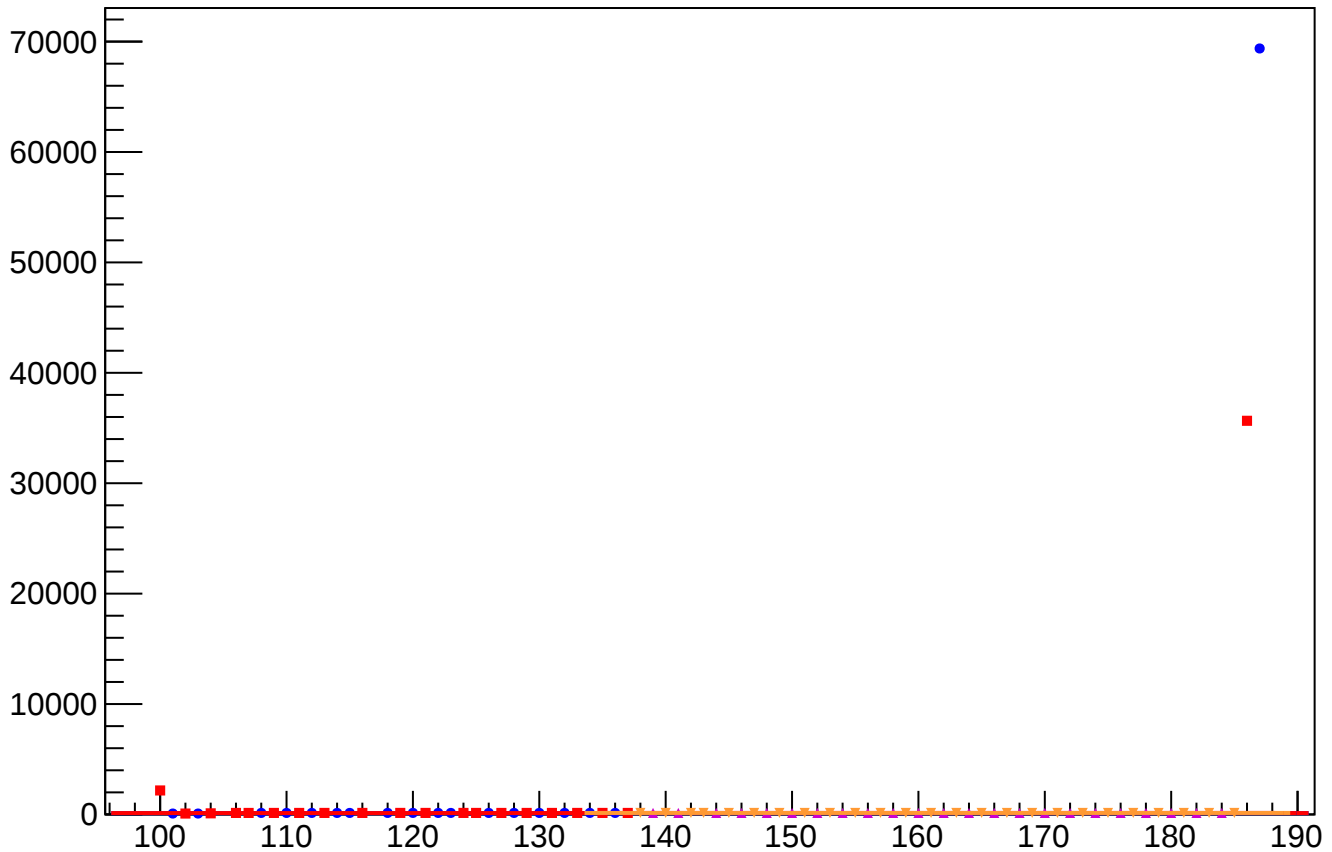
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.109 ± 26.465 χ^2/NDF : 26.4/42

All: 4.265 ± 18.944 χ^2/NDF : 67.7/85

- sign 26.724 ± 27.129 χ^2/NDF : 40.0/42

asym_dsr_rms vs Slug



Right In: 117.795 $\pm$ 0.033 χ^2 /NDF: 797615.1/17

Left Out: 137.895 $\pm$ 0.023 χ^2 /NDF: 440.9/24

Right Out: 124.737 $\pm$ 0.034 χ^2 /NDF: 1317510.2/19

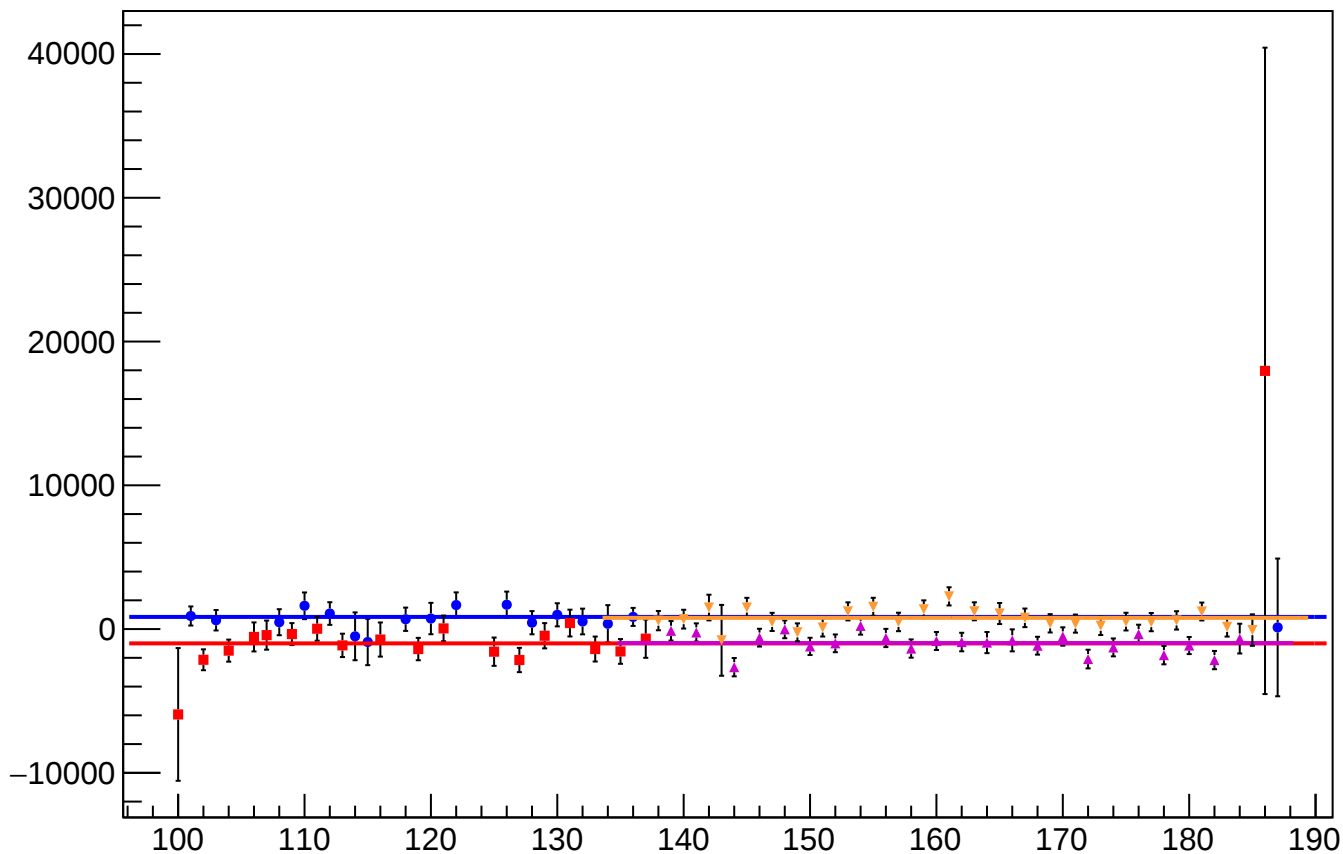
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

+ sign 131.482 $\pm$ 0.019 χ^2 /NDF: 1048684.7/42

All: 132.524 $\pm$ 0.013 χ^2 /NDF: 2474968.8/85

- sign 133.620 $\pm$ 0.019 χ^2 /NDF: 1419922.9/42

reg_asym_left_avg_mean vs Slug



Right In: 845.537 ± 216.445 χ^2/NDF : 5.3/16

Left Out: 779.744 ± 133.856 χ^2/NDF : 19.6/24

Right Out: -995.406 ± 213.254 χ^2/NDF : 14.7/18

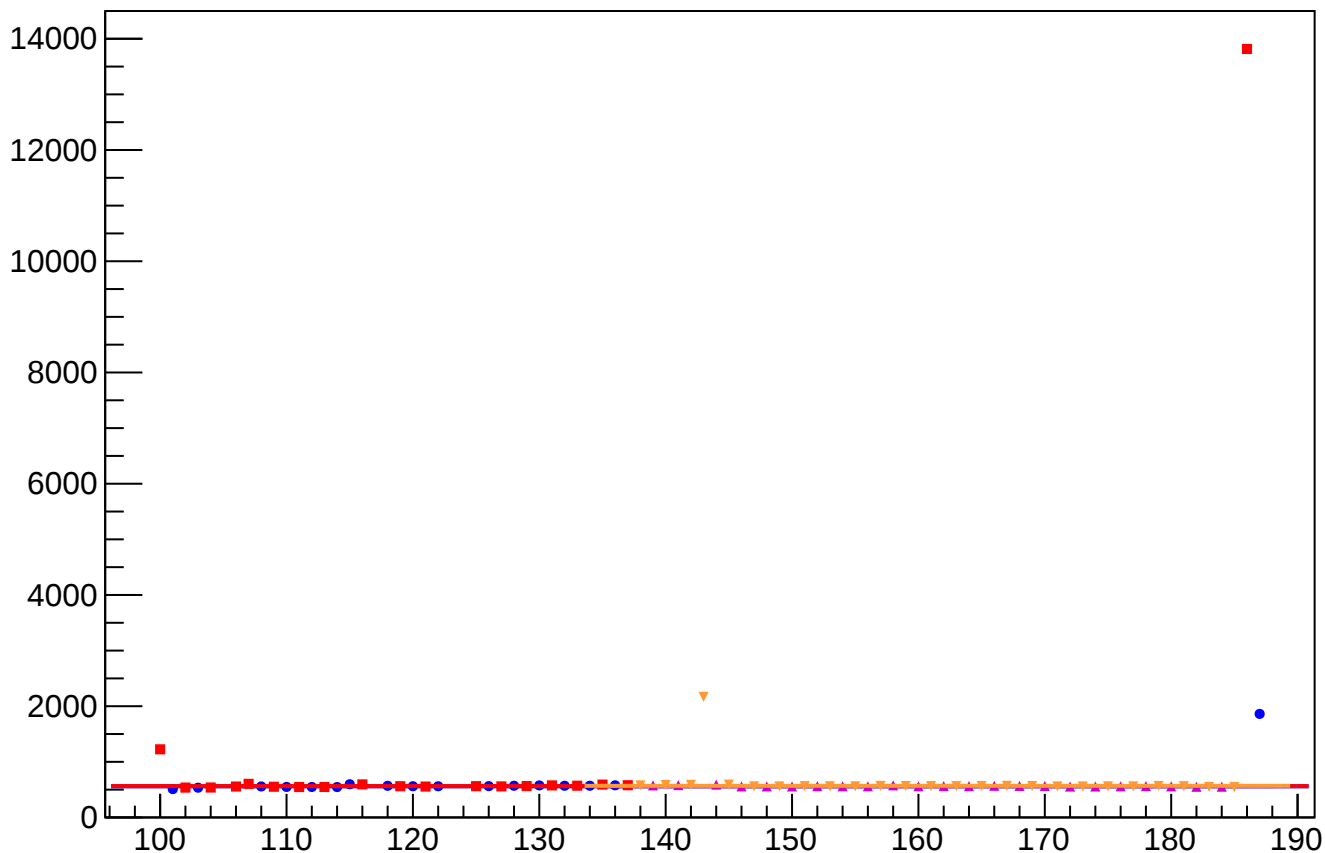
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 797.946 ± 113.844 χ^2/NDF : 24.9/41

All: -89.828 ± 80.564 χ^2/NDF : 188.9/83

- sign -980.407 ± 114.024 χ^2/NDF : 42.2/41

reg_asym_left_avg_rms vs Slug



Right In: 559.536 $\pm$ 0.153 χ^2 /NDF: 166661.7/16

Left Out: 568.874 $\pm$ 0.095 χ^2 /NDF: 853714.5/24

Right Out: 563.652 $\pm$ 0.151 χ^2 /NDF: 750650.0/18

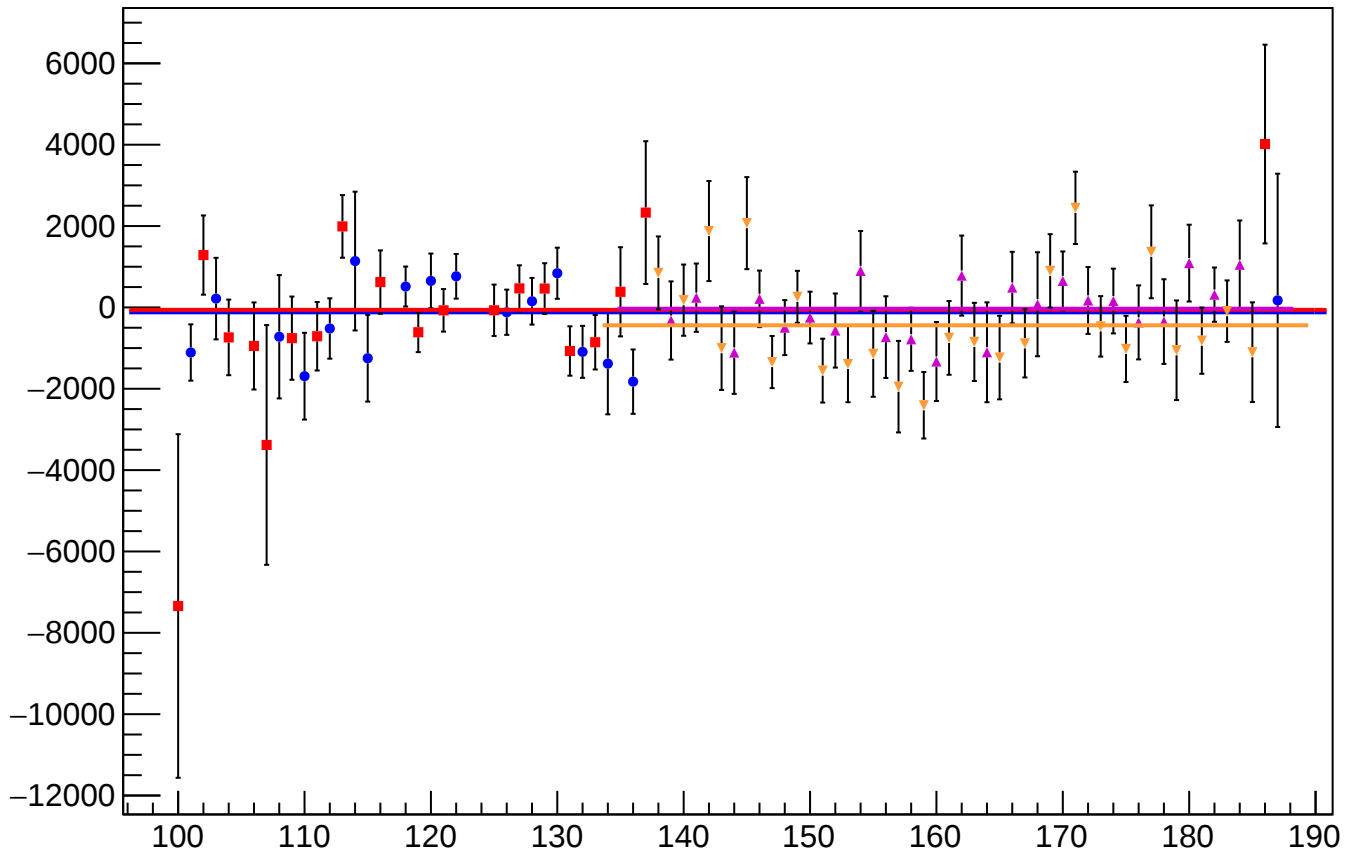
Left In: 564.383 $\pm$ 0.095 χ^2 /NDF: 9209.5/22

+ sign 566.291 $\pm$ 0.081 χ^2 /NDF: 1023069.4/41

All: 565.234 $\pm$ 0.057 χ^2 /NDF: 1783290.9/83

- sign 564.174 $\pm$ 0.081 χ^2 /NDF: 759876.3/41

asym_left_avg_correction_mean vs Slug



Right In: -120.786+/-180.484 χ^2/NDF : 22.6/16

Left Out: -440.022+/-177.884 χ^2/NDF : 43.5/24

Right Out: -60.305+/-178.849 χ^2/NDF : 28.1/18

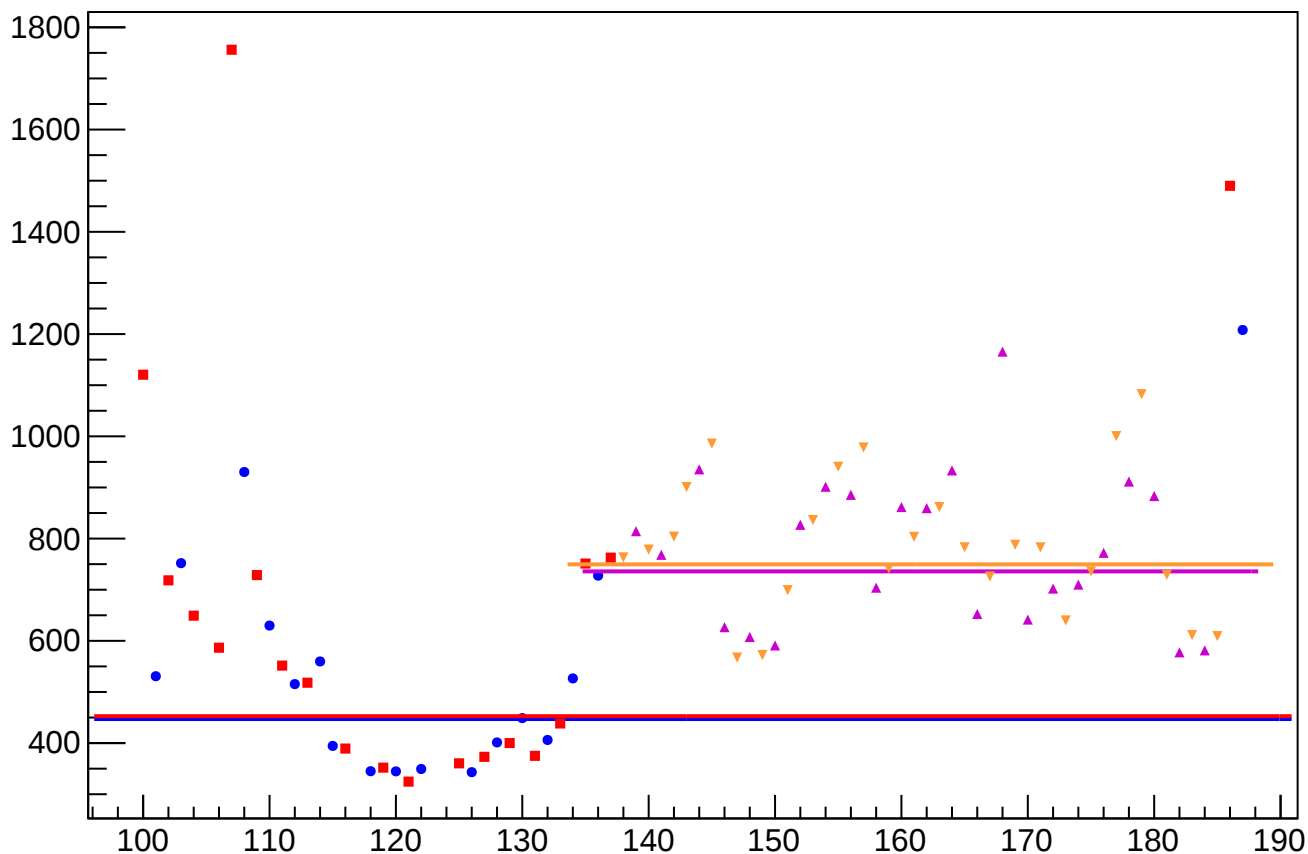
Left In: -32.411+/-179.430 χ^2/NDF : 12.2/22

+ sign -282.720+/-126.692 χ^2/NDF : 67.7/41

All: -164.541+/-89.577 χ^2/NDF : 109.7/83

- sign -46.403+/-126.670 χ^2/NDF : 40.3/41

asym_left_avg_correction_rms vs Slug



Right In: 447.075+/-0.128 χ^2/NDF : 1172532.4/16

Left Out: 749.578+/-0.126 χ^2/NDF : 1053455.5/24

Right Out: 452.633+/-0.126 χ^2/NDF : 1817518.2/18

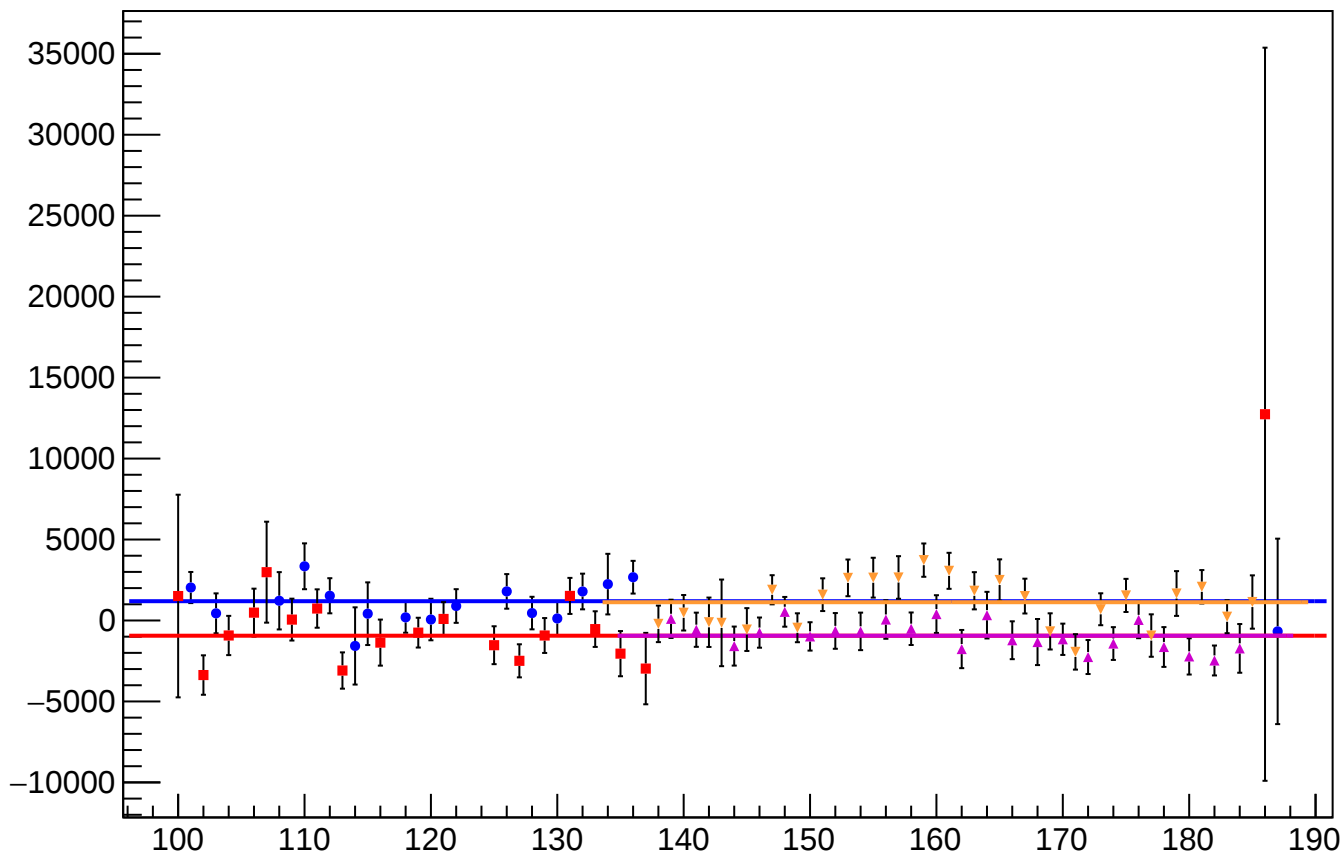
Left In: 735.850+/-0.127 χ^2/NDF : 1105405.5/22

+ sign 600.521+/-0.090 χ^2/NDF : 5075951.2/41

All: 597.151+/-0.063 χ^2/NDF : 10501209.6/83

- sign 593.782+/-0.090 χ^2/NDF : 5422428.2/41

asym_left_avg_mean vs Slug



Right In: 1191.191 $\pm$ 295.703 χ^2/NDF : 11.8/16

Left Out: 1128.601 $\pm$ 228.001 χ^2/NDF : 39.1/24

Right Out: -940.472 $\pm$ 294.196 χ^2/NDF : 23.5/18

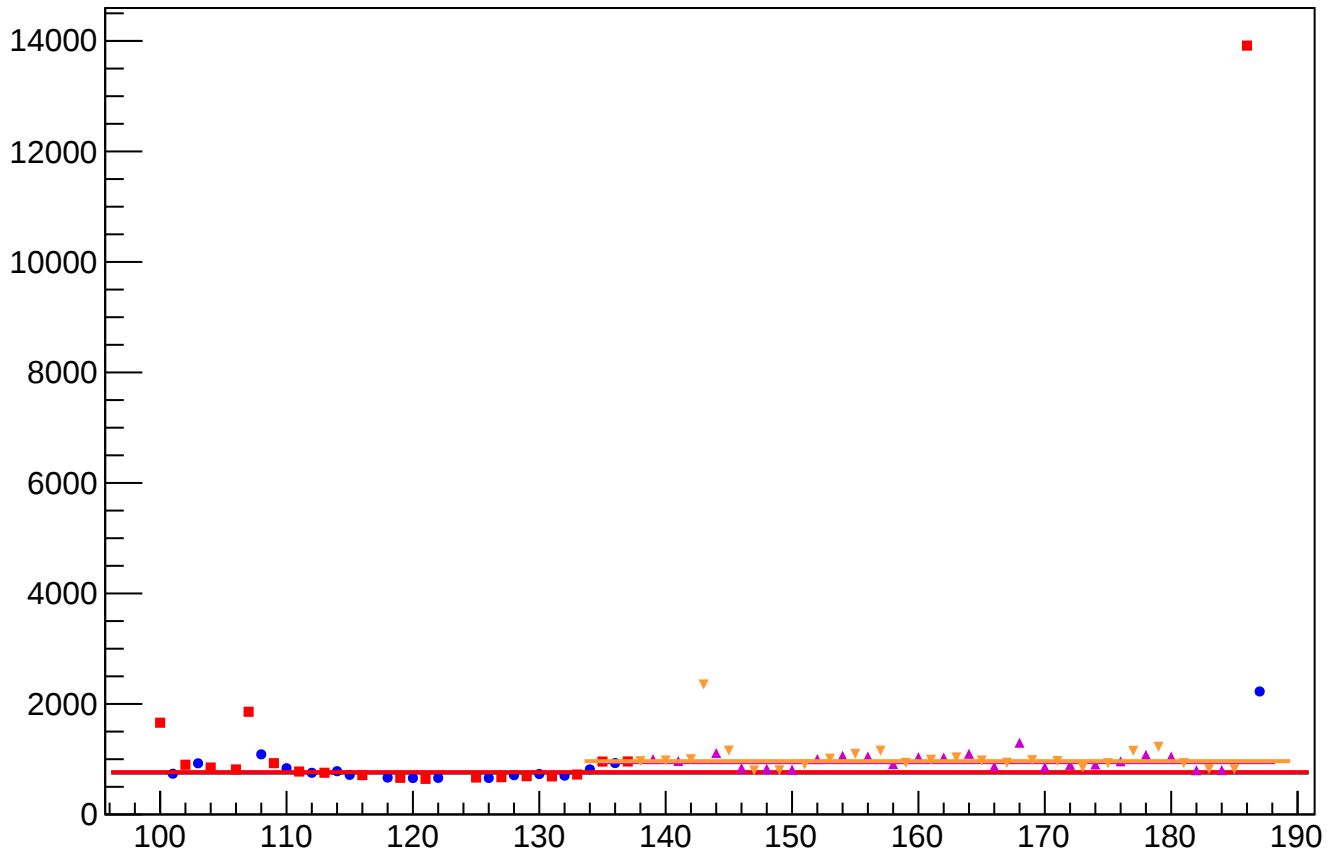
Left In: -941.702 $\pm$ 228.324 χ^2/NDF : 14.8/22

+ sign 1151.938 $\pm$ 180.561 χ^2/NDF : 51.0/41

All: 104.274 $\pm$ 127.610 χ^2/NDF : 156.5/83

- sign -941.239 $\pm$ 180.375 χ^2/NDF : 38.2/41

asym_left_avg_rms vs Slug



Right In: 757.733 $\pm$ 0.209 χ^2 /NDF: 381941.3/16

Left Out: 964.493 $\pm$ 0.161 χ^2 /NDF: 1002763.0/24

Right Out: 764.538 $\pm$ 0.208 χ^2 /NDF: 1188827.1/18

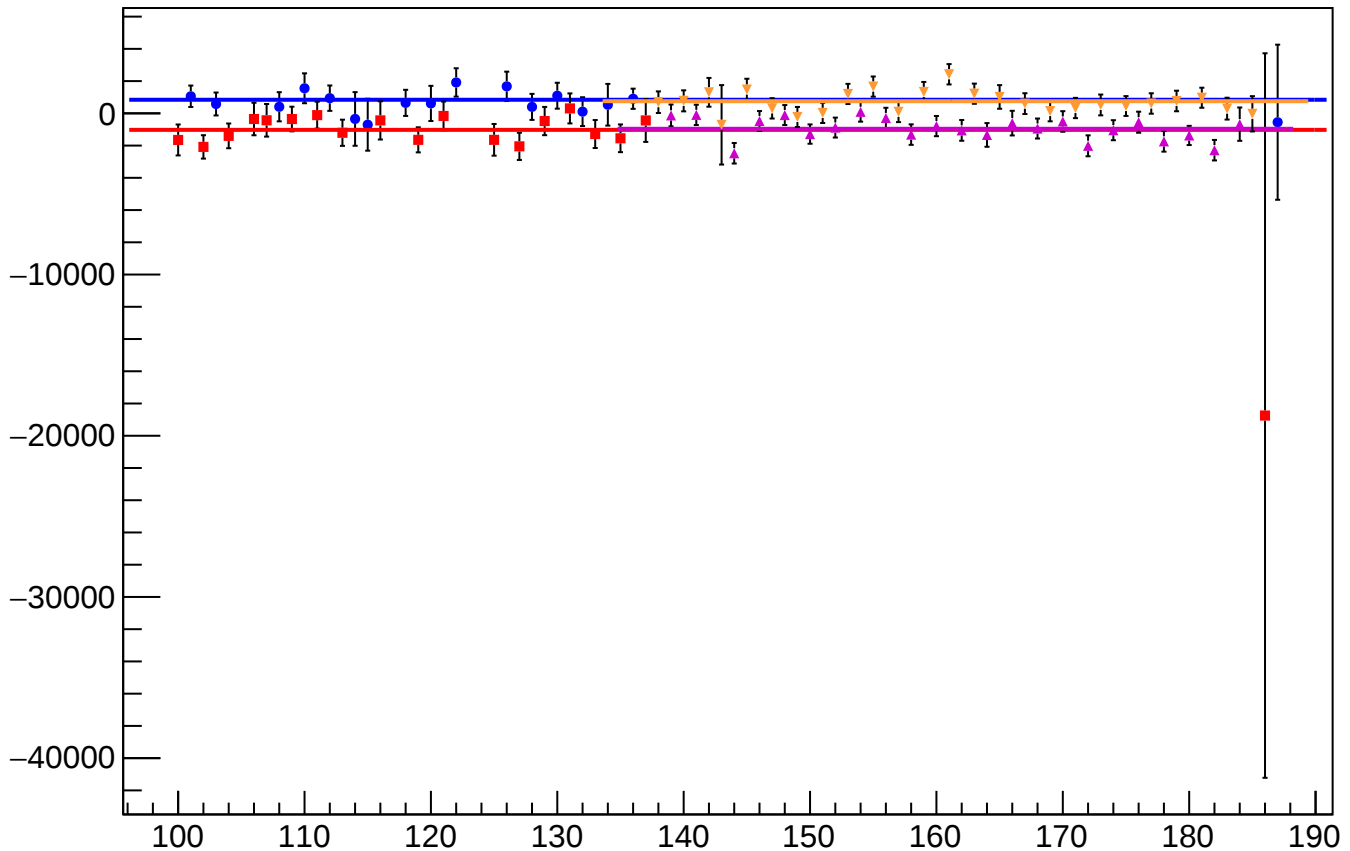
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF: 501366.9/22

+ sign 887.402 $\pm$ 0.128 χ^2 /NDF: 1997932.1/41

All: 882.769 $\pm$ 0.090 χ^2 /NDF: 4168633.2/83

- sign 878.145 $\pm$ 0.128 χ^2 /NDF: 2168069.6/41

reg_asym_left_dd_mean vs Slug



Right In: 842.540 ± 216.279 χ^2/NDF : 6.2/16

Left Out: 753.308 ± 133.745 χ^2/NDF : 21.4/24

Right Out: -1024.573 ± 208.221 χ^2/NDF : 13.0/18

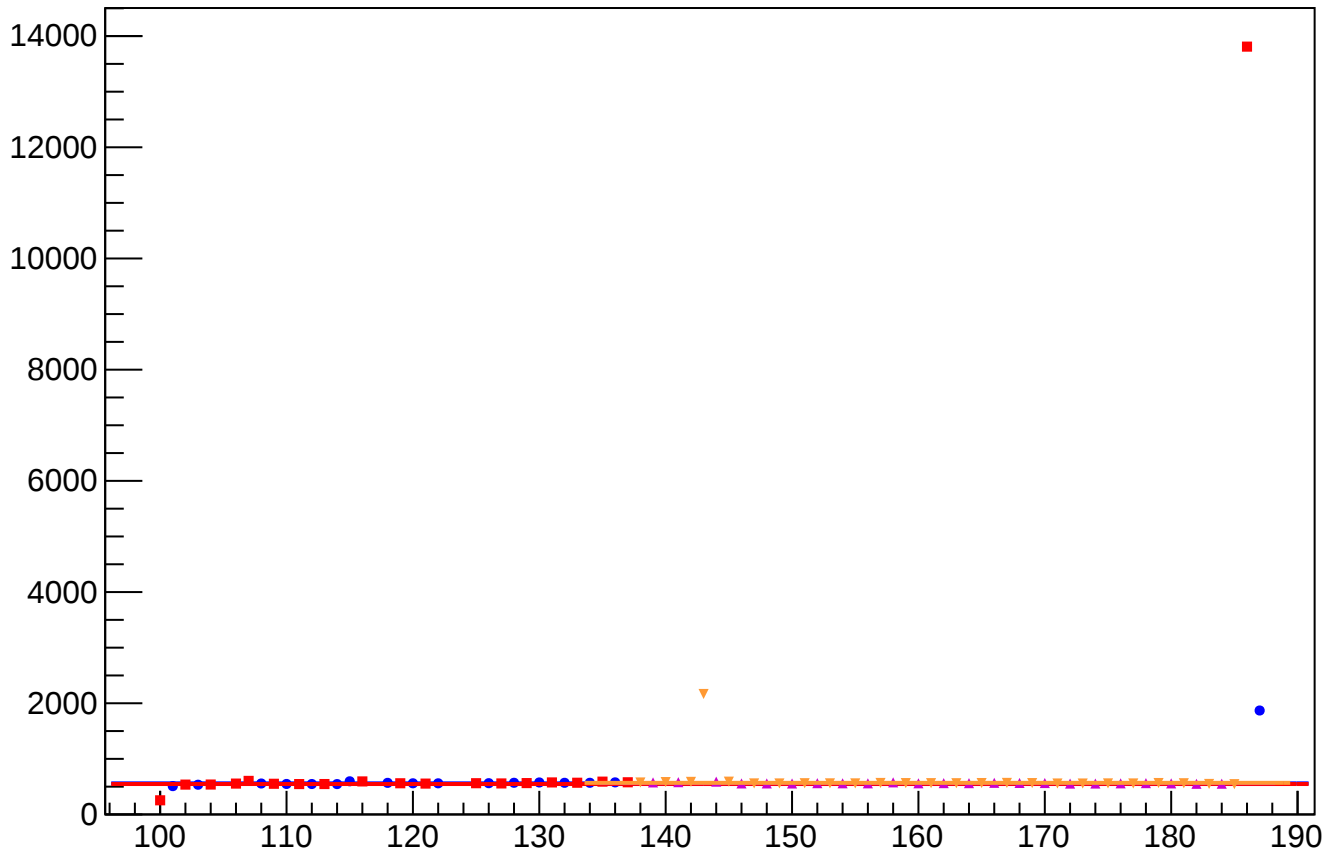
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 777.992 ± 113.752 χ^2/NDF : 27.7/41

All: -104.512 ± 80.229 χ^2/NDF : 187.3/83

- sign -978.030 ± 113.171 χ^2/NDF : 39.9/41

reg_asym_left_dd_rms vs Slug



Right In: 559.092 $\pm$ 0.153 χ^2 /NDF: 167344.9/16

Left Out: 568.400 $\pm$ 0.095 χ^2 /NDF: 854012.8/24

Right Out: 547.302 $\pm$ 0.147 χ^2 /NDF: 904898.2/18

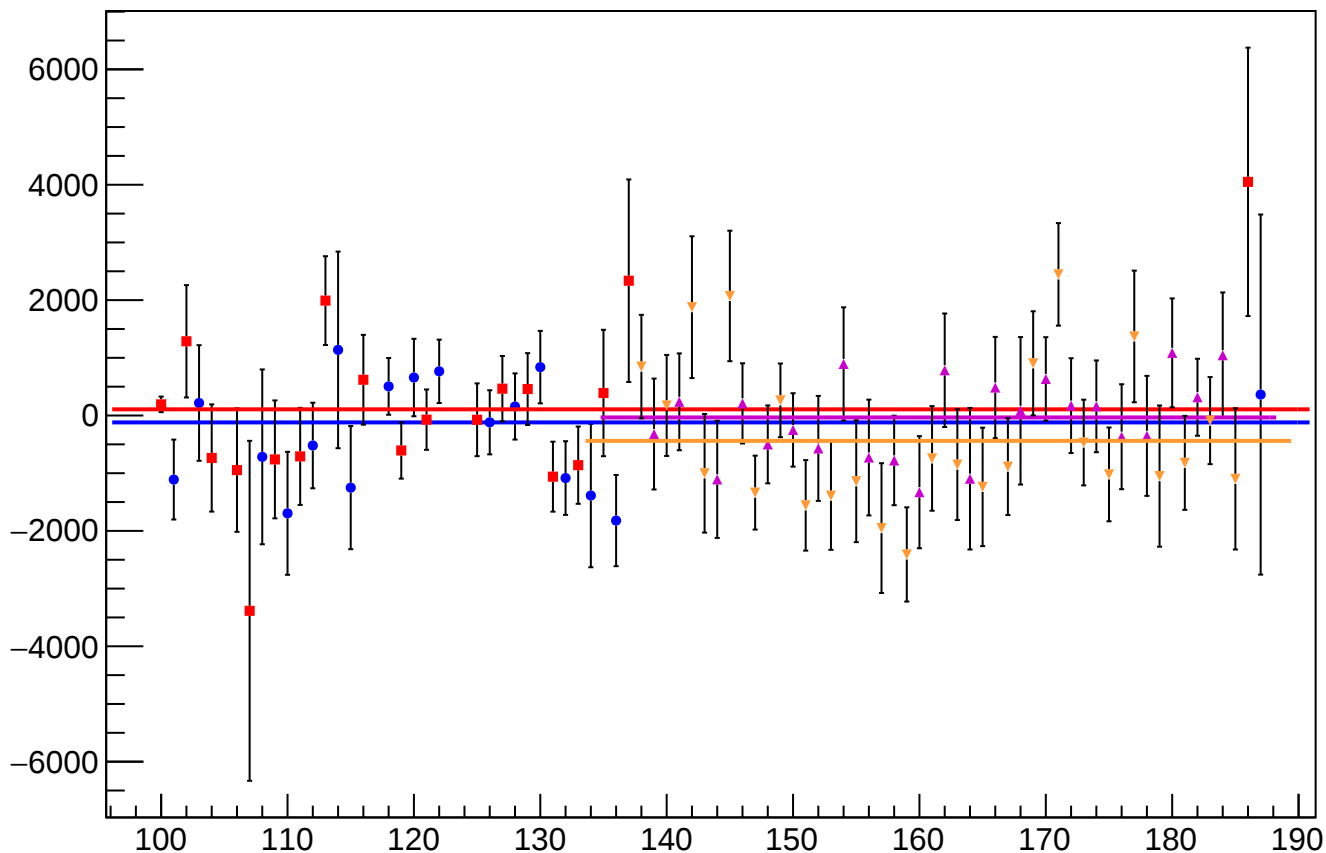
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

+ sign 565.825 $\pm$ 0.080 χ^2 /NDF: 1024037.5/41

All: 562.405 $\pm$ 0.057 χ^2 /NDF: 1950727.8/83

- sign 559.021 $\pm$ 0.080 χ^2 /NDF: 923093.9/41

asym_left_dd_correction_mean vs Slug



Right In: -119.589 ± 180.397 χ^2/NDF : 22.5/16

Left Out: -439.659 ± 177.808 χ^2/NDF : 43.6/24

Right Out: 107.269 ± 107.737 χ^2/NDF : 26.6/18

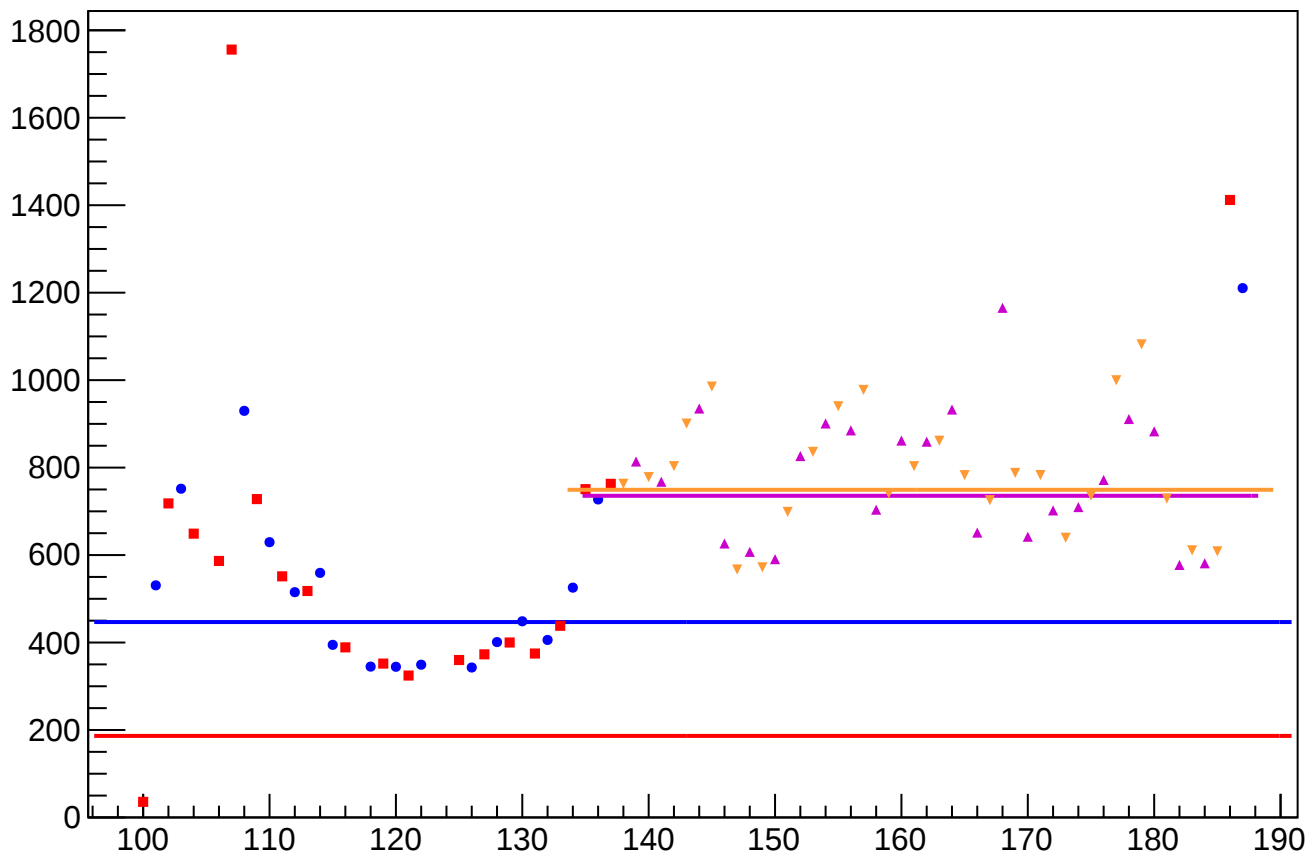
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -281.937 ± 126.635 χ^2/NDF : 67.7/41

All: -52.203 ± 74.619 χ^2/NDF : 111.9/83

- sign 69.990 ± 92.355 χ^2/NDF : 39.1/41

asym_left_dd_correction_rms vs Slug



Right In: 446.858 $\pm$ 0.128 χ^2/NDF : 1172666.8/16

Left Out: 749.270 $\pm$ 0.126 χ^2/NDF : 1054352.9/24

Right Out: 186.469 $\pm$ 0.076 χ^2/NDF : 8628650.6/18

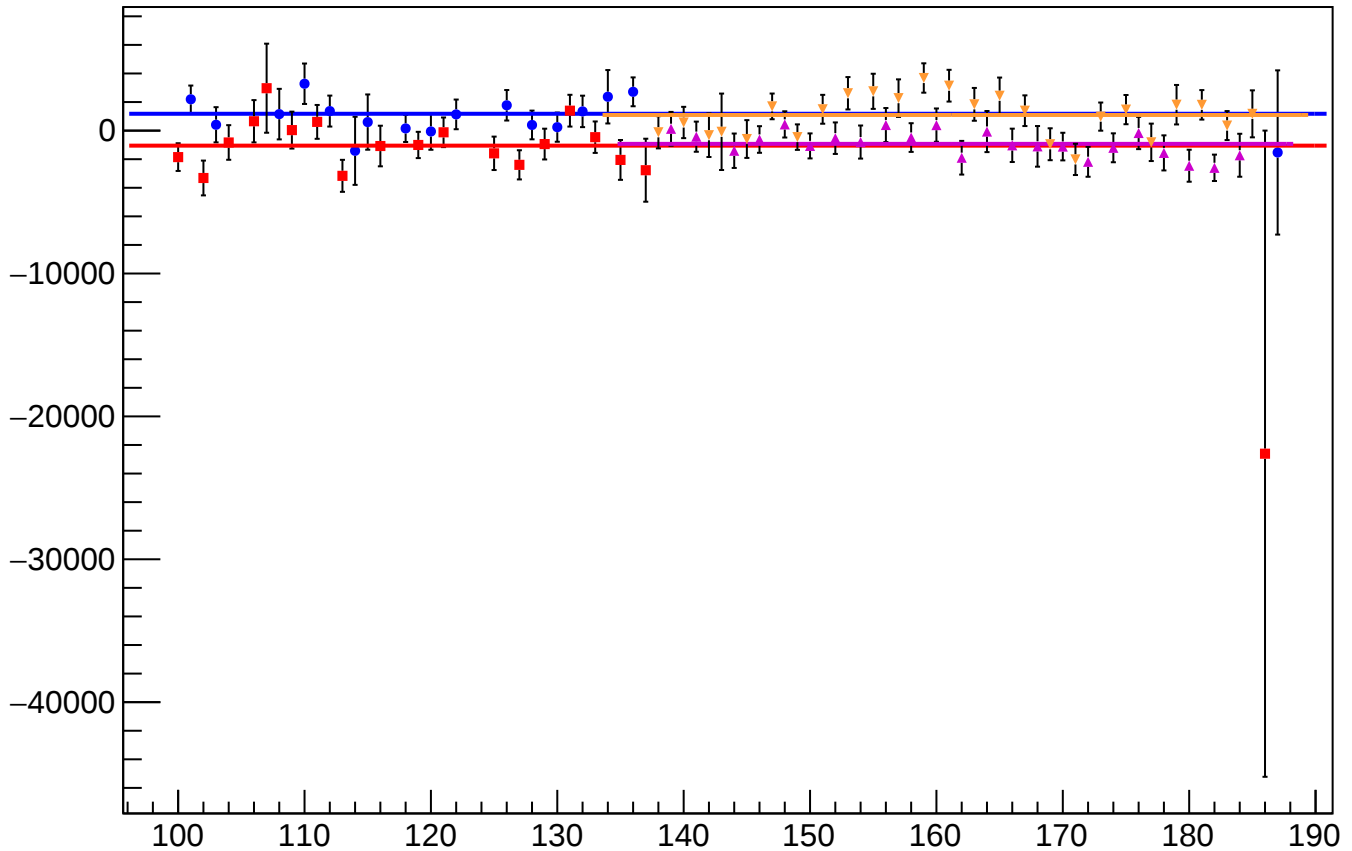
Left In: 735.543 $\pm$ 0.127 χ^2/NDF : 1105222.3/22

+ sign 600.249 $\pm$ 0.090 χ^2/NDF : 5077844.0/41

All: 425.176 $\pm$ 0.053 χ^2/NDF : 34441557.7/83

- sign 332.057 $\pm$ 0.065 χ^2/NDF : 23507892.9/41

asym_left_dd_mean vs Slug



Right In: 1179.782 $\pm$ 295.506 χ^2 /NDF: 11.8/16

Left Out: 1096.531 $\pm$ 227.868 χ^2 /NDF:38.4/24

Right Out: -1051.000 $\pm$ 281.615 χ^2 /NDF: 23.3/18

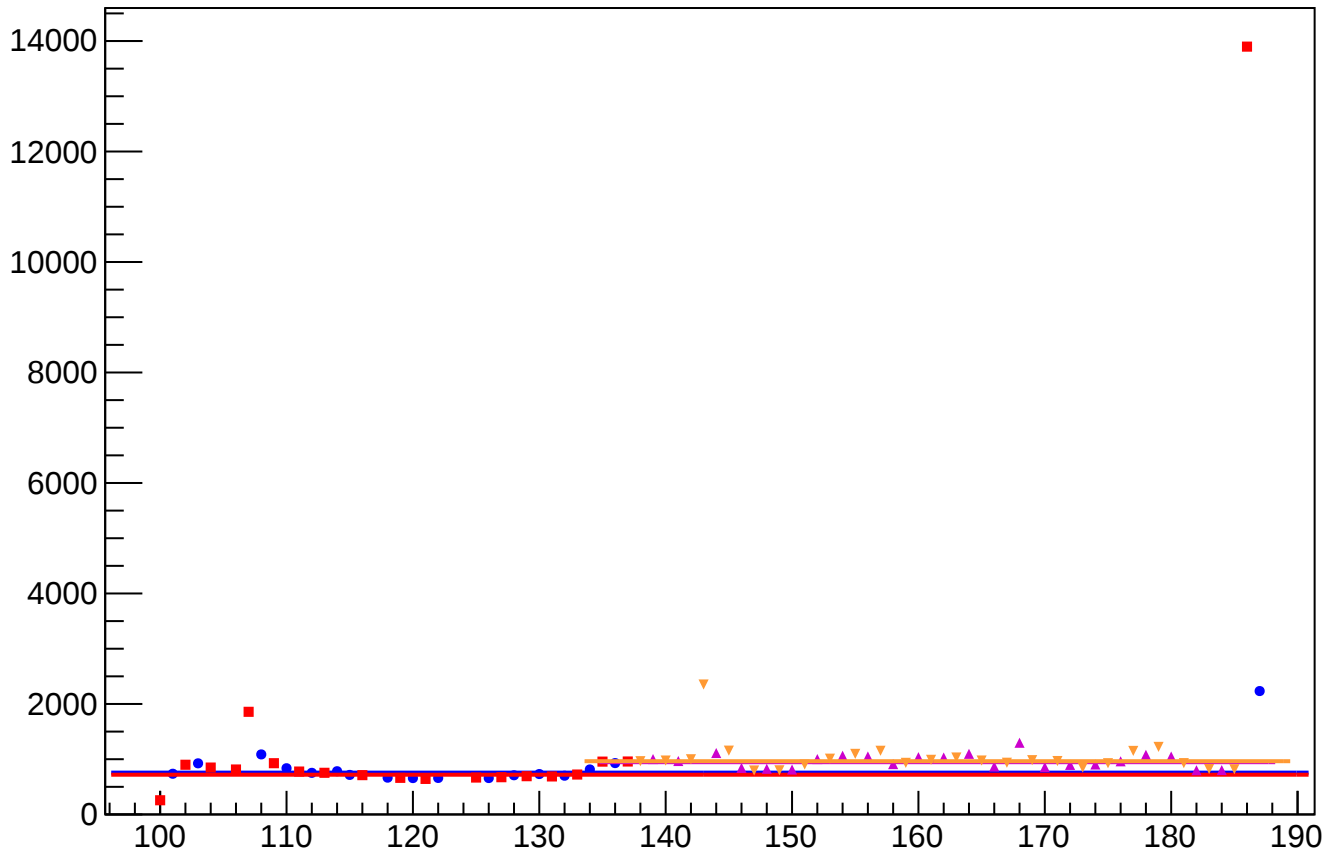
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF:15.1/22

+ sign 1127.574 $\pm$ 180.450 χ^2 /NDF: 50.3/41

All: 57.390 $\pm$ 126.467 χ^2 /NDF: 158.0/83

- sign -975.714 $\pm$ 177.296 χ^2 /NDF: 38.6/41

asym_left_dd_rms vs Slug



Right In: 757.204 $\pm$ 0.209 χ^2 /NDF: 382685.1/16

Left Out: 963.933 $\pm$ 0.161 χ^2 /NDF:1003095.2/24

Right Out: 719.371 $\pm$ 0.199 χ^2 /NDF: 1645155.3/18

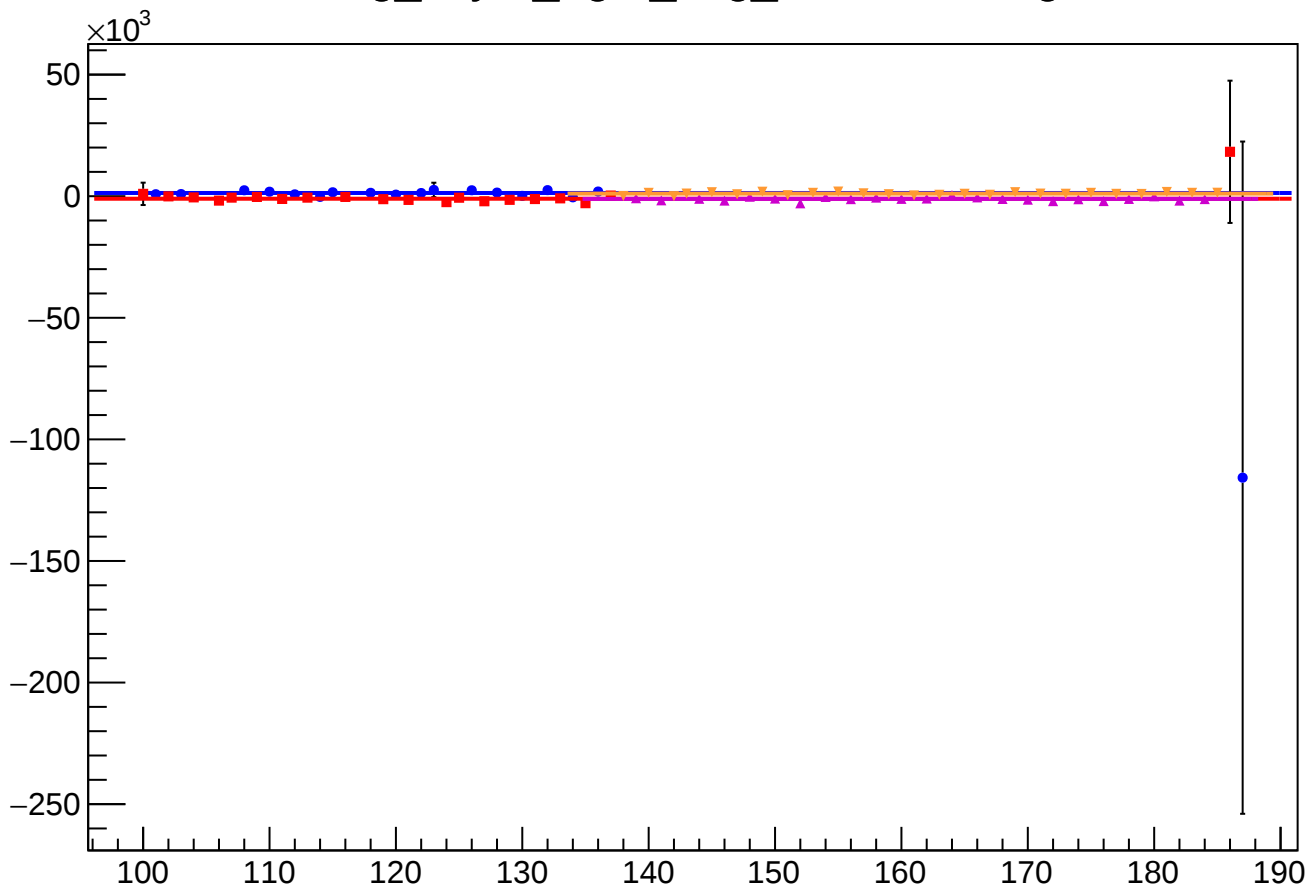
Left In: 946.041 $\pm$ 0.161 χ^2 /NDF:501442.7/22

+ sign 886.846 $\pm$ 0.128 χ^2 /NDF: 1999605.8/41

All: 871.252 $\pm$ 0.089 χ^2 /NDF: 4957698.0/83

- sign 856.199 $\pm$ 0.125 χ^2 /NDF: 2928738.4/41

reg_asym_right_avg_mean vs Slug



Right In: 1323.759 $\pm$ 218.600 χ^2 /NDF: 13.5/17

Left Out: 1073.626 $\pm$ 129.690 χ^2 /NDF:15.1/24

Right Out: -1039.487 $\pm$ 212.074 χ^2 /NDF: 13.9/19

Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1138.746 $\pm$ 111.538 χ^2 /NDF: 29.6/42

All: 31.718 $\pm$ 79.303 χ^2 /NDF: 272.9/85

- sign -1099.999 $\pm$ 112.774 χ^2 /NDF: 44.1/42

reg_asym_right_avg_rms vs Slug



Right In: 563.612+/-0.155 χ^2/NDF : 140769.6/17

Left Out: 557.534+/-0.092 χ^2/NDF : 14752.8/24

Right Out: 566.235+/-0.150 χ^2/NDF : 745832.1/19

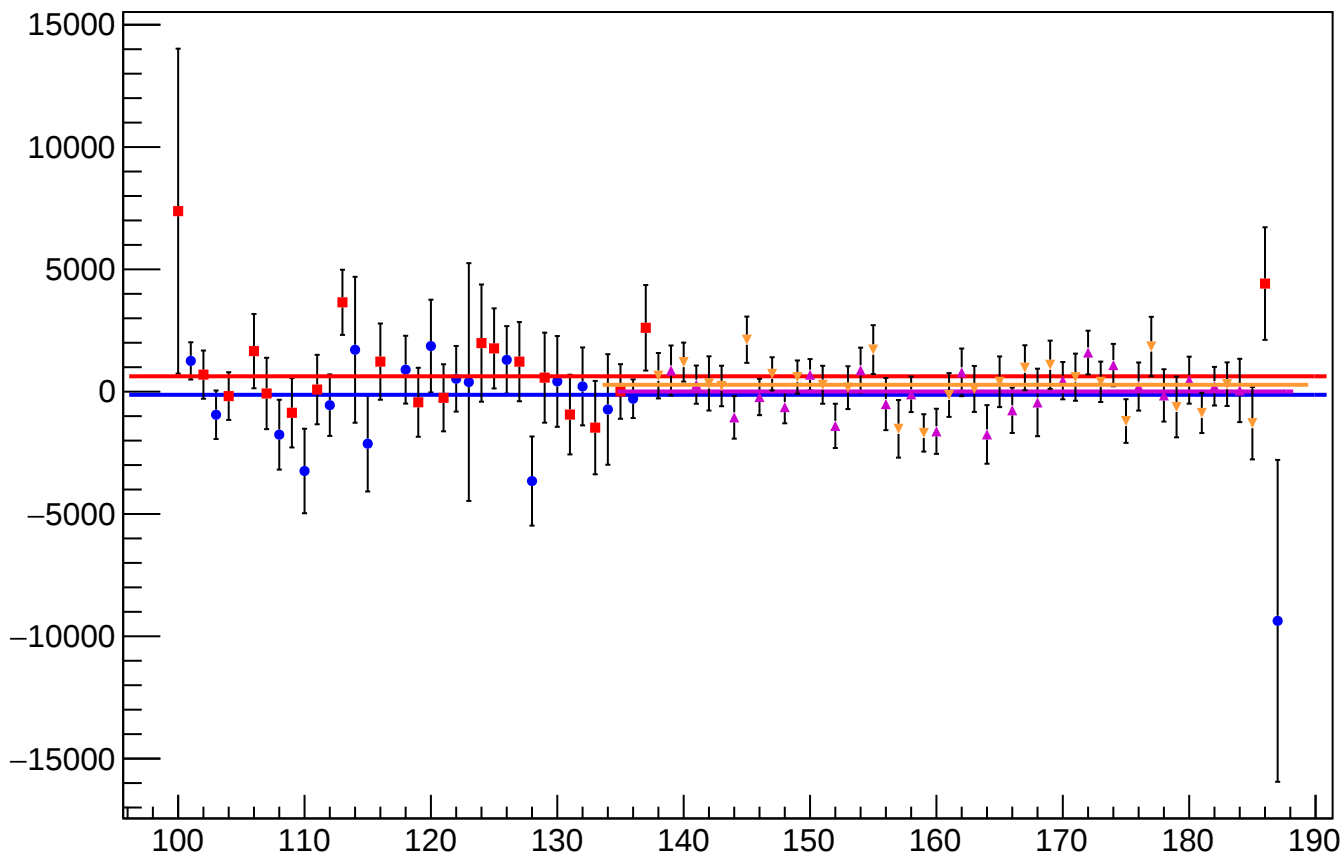
Left In: 556.969+/-0.094 χ^2/NDF : 11209.7/22

+ sign 559.116+/-0.079 χ^2/NDF : 156665.9/42

All: 559.350+/-0.056 χ^2/NDF : 916463.6/85

- sign 559.589+/-0.080 χ^2/NDF : 759779.9/42

asym_right_avg_correction_mean vs Slug



Right In: -127.818+/-327.859 χ^2 /NDF: 19.0/17

Left Out: 281.875+/-180.423 χ^2 /NDF: 26.7/24

Right Out: 628.939+/-329.551 χ^2 /NDF: 17.3/19

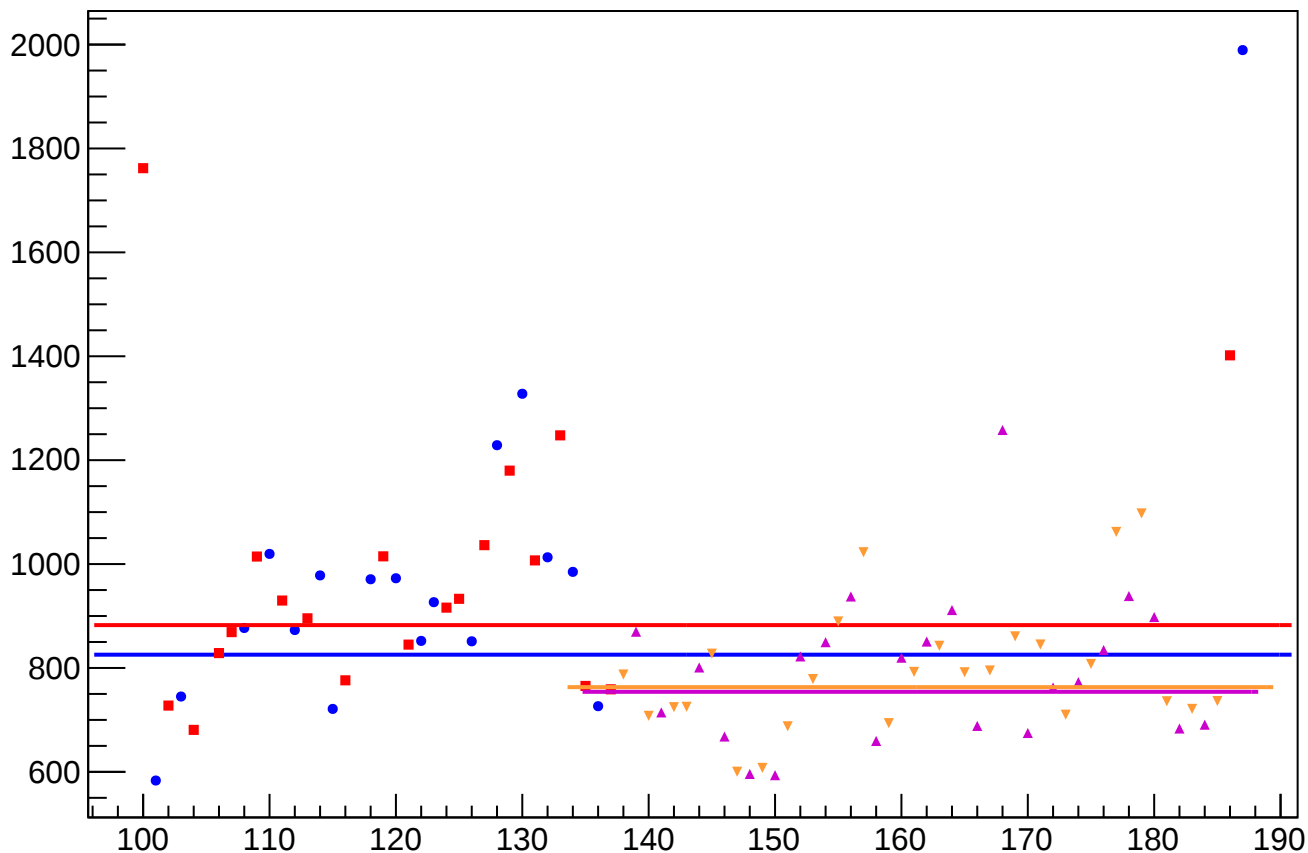
Left In: 8.211+/-183.382 χ^2 /NDF: 20.2/22

+ sign 186.644+/-158.069 χ^2 /NDF: 46.9/42

All: 171.025+/-112.532 χ^2 /NDF: 87.2/85

- sign 154.973+/-160.243 χ^2 /NDF: 40.2/42

asym_right_avg_correction_rms vs Slug



Right In: 825.561 ± 0.232 $\chi^2/\text{NDF}: 669472.9/17$

Left Out: 763.085 ± 0.128 $\chi^2/\text{NDF}: 753700.1/24$

Right Out: 882.487 ± 0.233 $\chi^2/\text{NDF}: 512343.9/19$

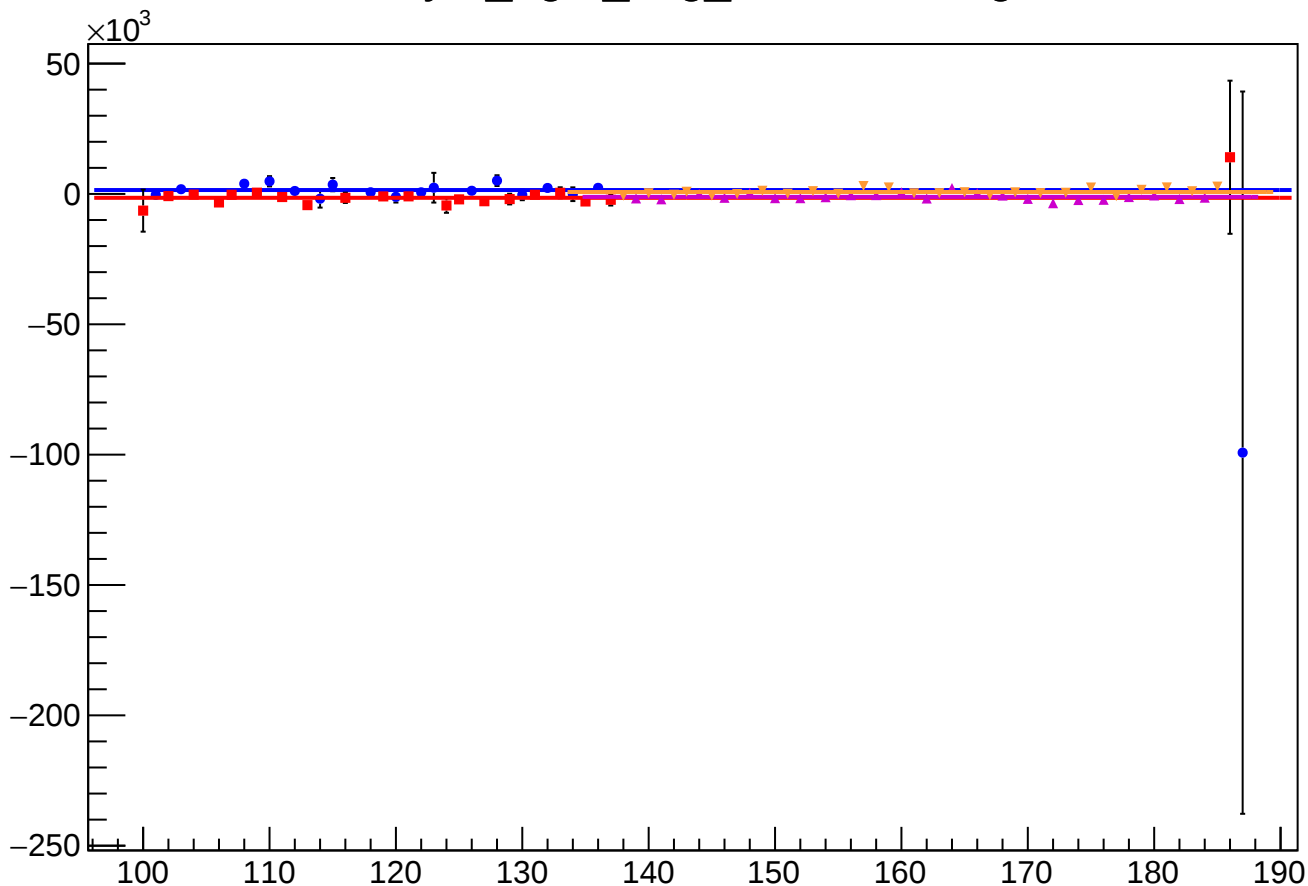
Left In: 754.099 ± 0.130 $\chi^2/\text{NDF}: 931829.3/22$

+ sign 777.607 ± 0.112 $\chi^2/\text{NDF}: 1478917.4/42$

All: 780.984 ± 0.080 $\chi^2/\text{NDF}: 3156724.4/85$

- sign 784.454 ± 0.113 $\chi^2/\text{NDF}: 1675956.2/42$

asym_right_avg_mean vs Slug



Right In: 1497.116 $\pm$ 402.665 χ^2 /NDF: 17.6/17

Left Out: 739.641 $\pm$ 225.535 χ^2 /NDF: 21.5/24

Right Out: -1484.857 $\pm$ 400.681 χ^2 /NDF: 12.3/19

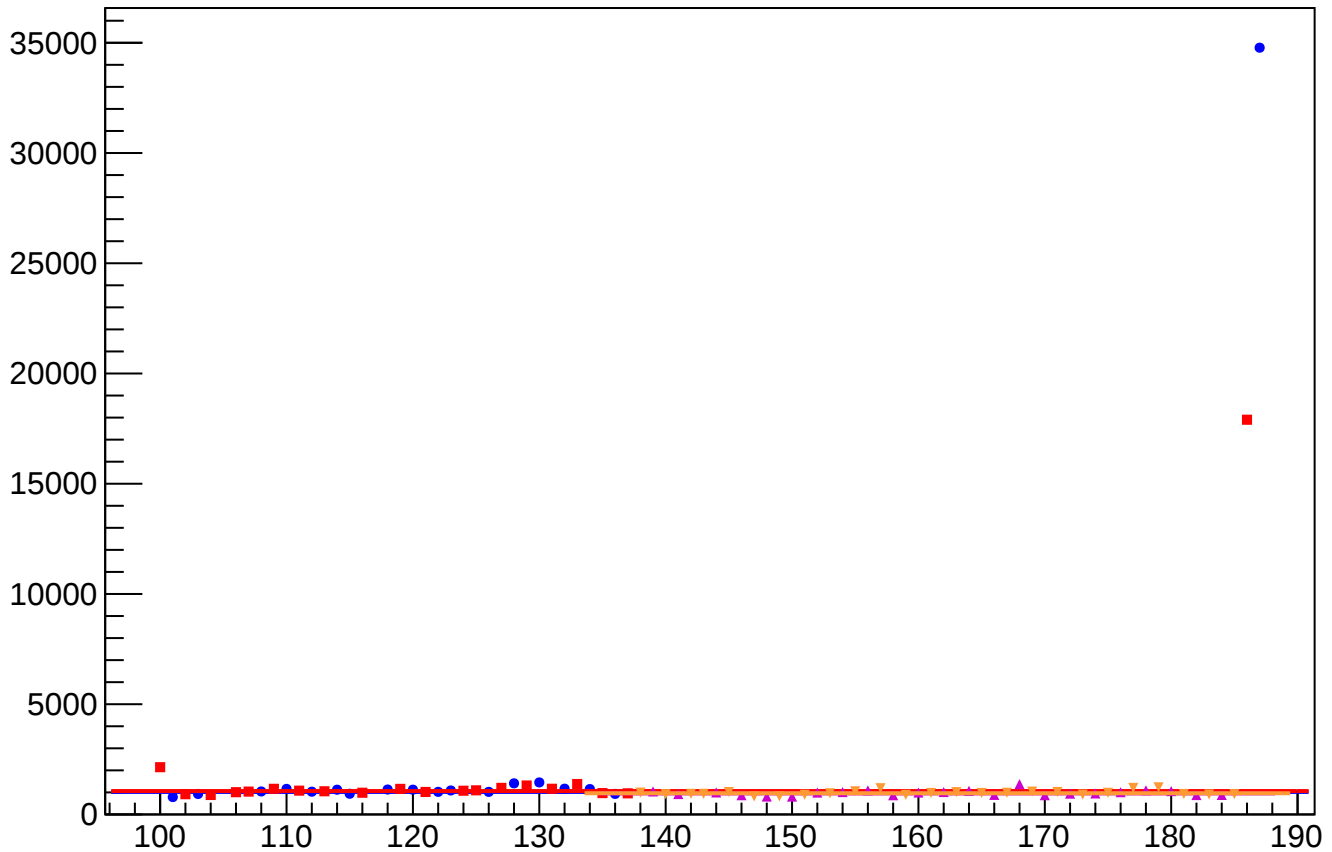
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 920.527 $\pm$ 196.772 χ^2 /NDF: 41.9/42

All: -131.919 $\pm$ 140.098 χ^2 /NDF: 138.2/85

- sign -1213.914 $\pm$ 199.515 χ^2 /NDF: 38.3/42

asym_right_avg_rms vs Slug



Right In: 1022.311+/-0.285 χ^2/NDF : 461368.6/17

Left Out: 962.256+/-0.159 χ^2/NDF : 362937.6/24

Right Out: 1061.037+/-0.283 χ^2/NDF : 890384.5/19

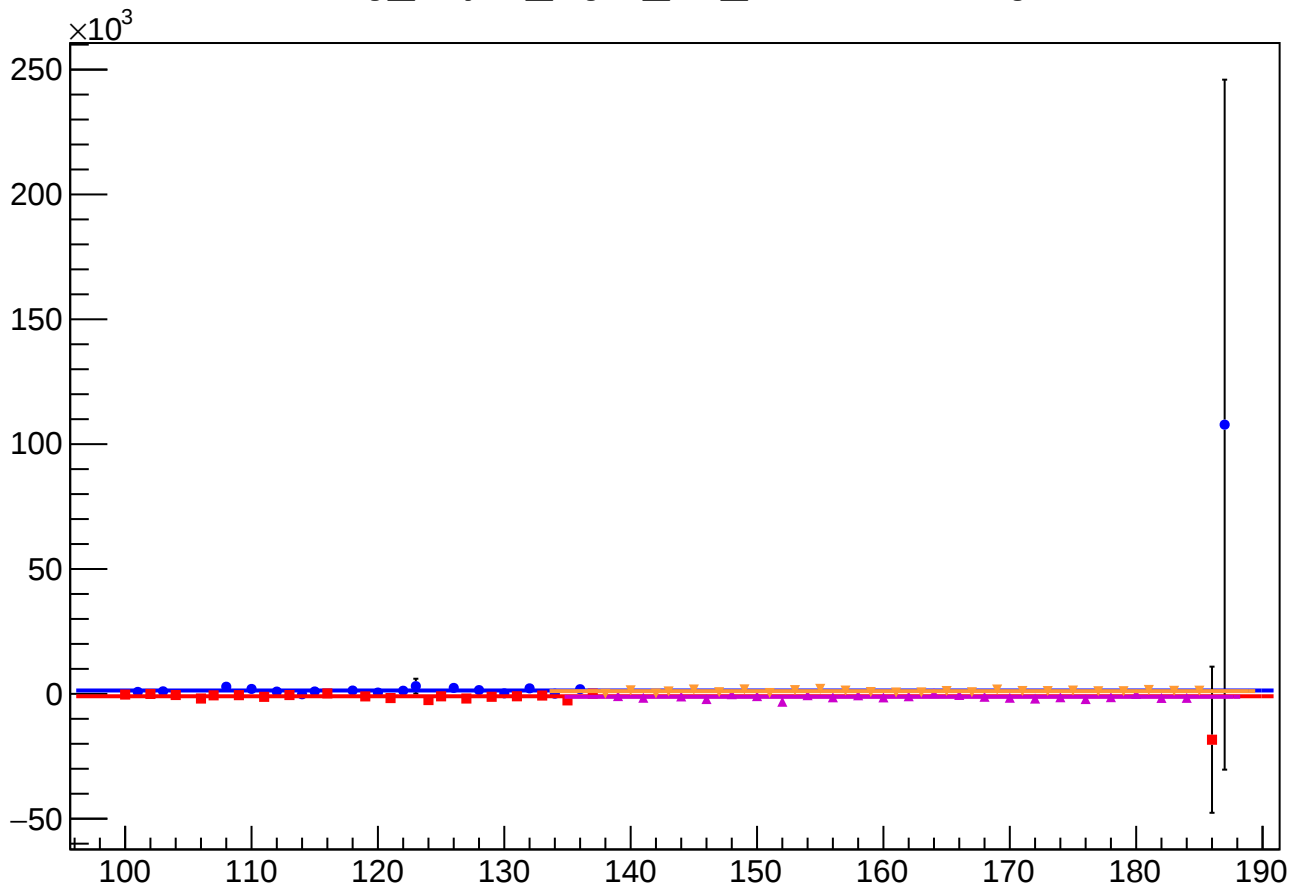
Left In: 954.643+/-0.163 χ^2/NDF : 443395.0/22

+ sign 976.597+/-0.139 χ^2/NDF : 858170.8/42

All: 978.779+/-0.099 χ^2/NDF : 2298499.3/85

- sign 981.023+/-0.141 χ^2/NDF : 1439829.6/42

reg_asym_right_dd_mean vs Slug



Right In: 1345.668 $\pm$ 218.854 χ^2 /NDF: 12.6/17

Left Out: 1087.627 $\pm$ 129.821 χ^2 /NDF: 14.9/24

Right Out: -966.323 $\pm$ 208.609 χ^2 /NDF: 12.6/19

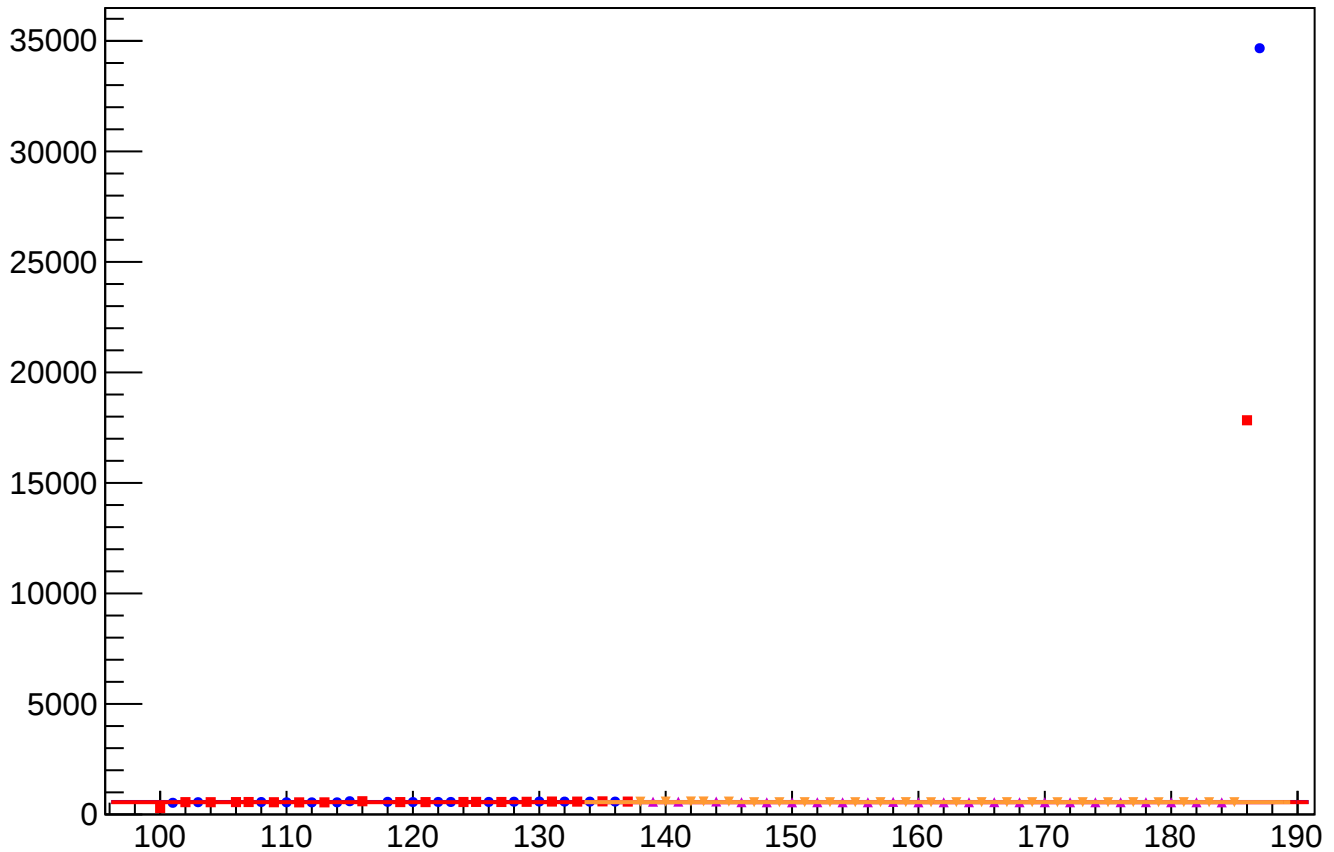
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF: 32.2/22

+ sign 1154.791 $\pm$ 111.655 χ^2 /NDF: 28.6/42

All: 21.918 $\pm$ 79.191 χ^2 /NDF: 281.2/85

- sign -1124.771 $\pm$ 112.334 χ^2 /NDF: 45.5/42

reg_asym_right_dd_rms vs Slug



Right In: 564.264+/-0.155 χ^2/NDF : 140867.6/17

Left Out: 558.099+/-0.092 χ^2/NDF : 14785.2/24

Right Out: 555.341+/-0.148 χ^2/NDF : 829782.8/19

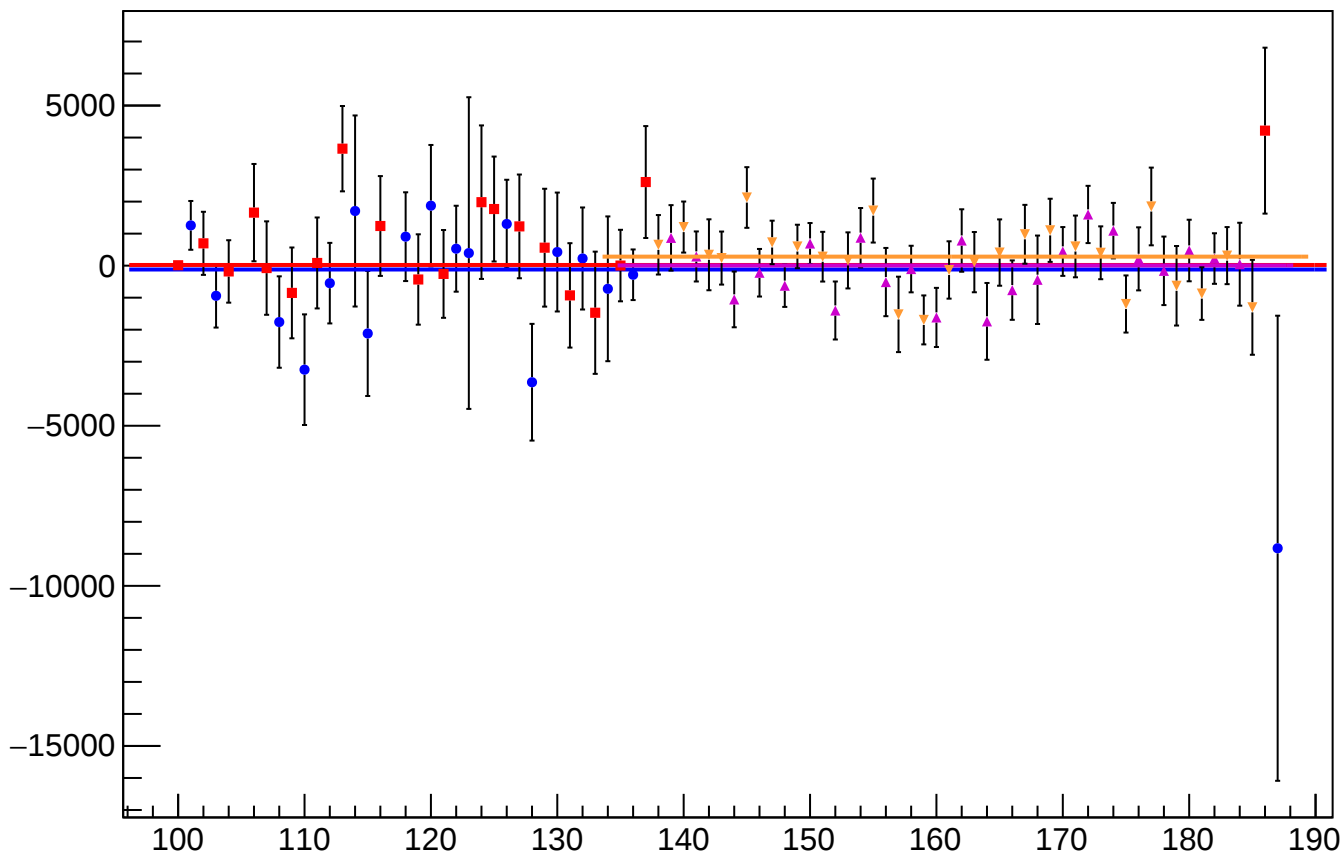
Left In: 557.597+/-0.094 χ^2/NDF : 11276.8/22

+ sign 559.704+/-0.079 χ^2/NDF : 156826.9/42

All: 558.331+/-0.056 χ^2/NDF : 998660.5/85

- sign 556.942+/-0.079 χ^2/NDF : 841225.7/42

asym_right_dd_correction_mean vs Slug



Right In: -120.338 ± 328.031 χ^2/NDF : 18.5/17

Left Out: 281.402 ± 180.478 χ^2/NDF : 26.8/24

Right Out: 21.028 ± 38.951 χ^2/NDF : 18.5/19

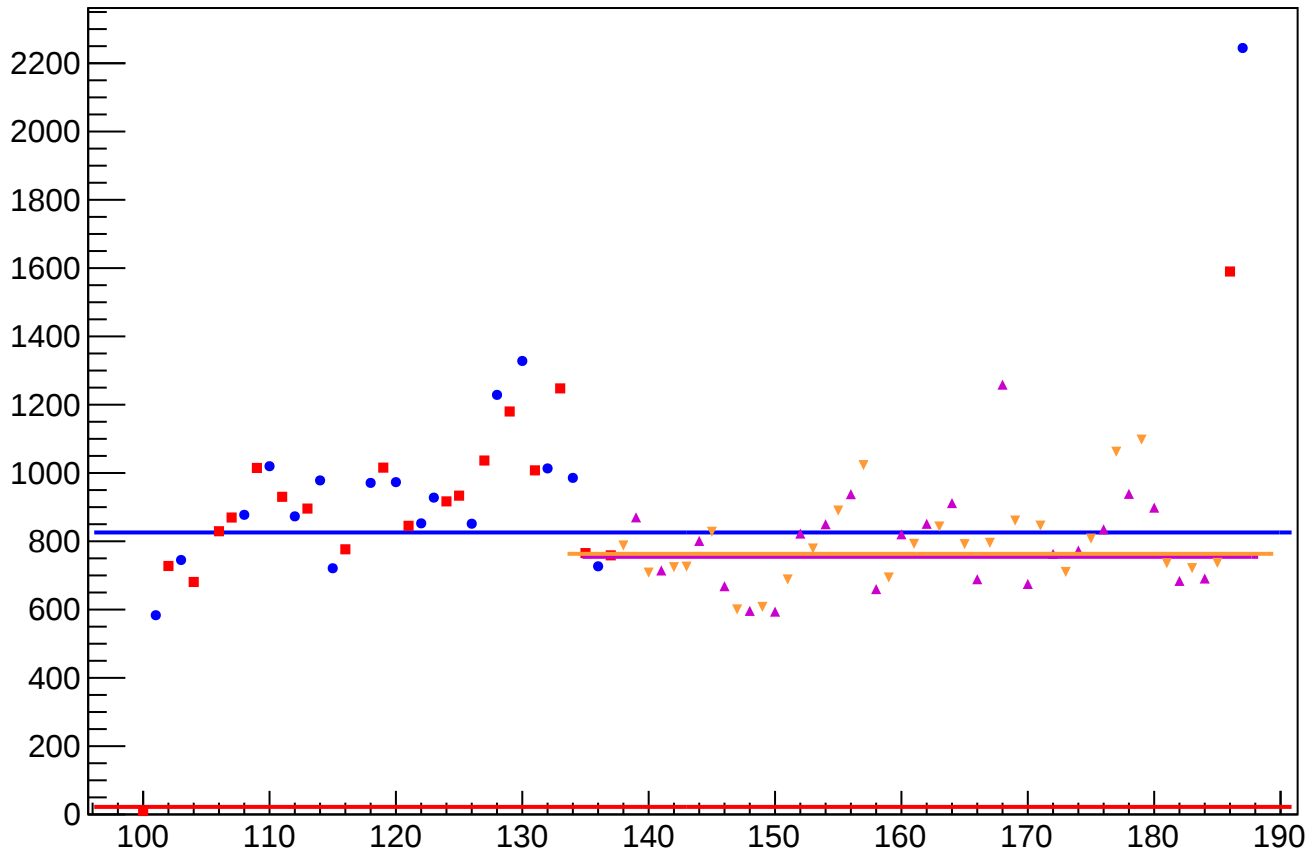
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 188.051 ± 158.125 χ^2/NDF : 46.4/42

All: 29.634 ± 37.041 χ^2/NDF : 86.1/85

- sign 20.436 ± 38.102 χ^2/NDF : 38.6/42

asym_right_dd_correction_rms vs Slug



Right In: 825.815+/-0.232 χ^2/NDF : 683144.6/17

Left Out: 763.307+/-0.128 χ^2/NDF : 753728.9/24

+ sign 777.832+/-0.112 χ^2/NDF : 1492622.0/42

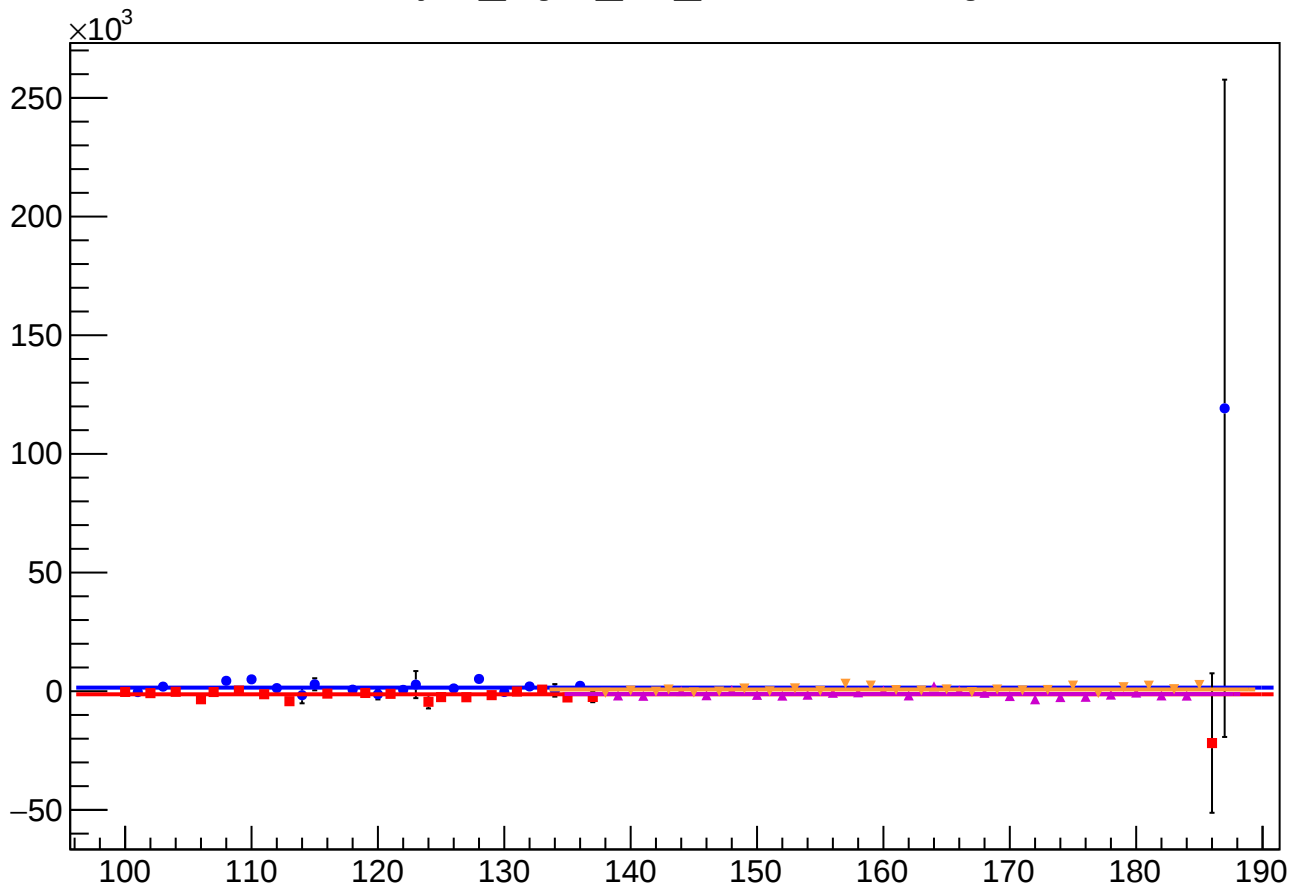
Right Out: 22.125+/-0.028 χ^2/NDF : 14210647.0/19

All: 93.445+/-0.026 χ^2/NDF : 86767436.2/85

Left In: 754.483+/-0.130 χ^2/NDF : 931536.8/22

- sign 53.709+/-0.027 χ^2/NDF : 45634184.4/42

asym_right_dd_mean vs Slug



Right In: 1520.481 $\pm$ 402.889 χ^2 /NDF: 18.5/17

Left Out: 742.825 $\pm$ 225.658 χ^2 /NDF: 20.2/24

Right Out: -1290.912 $\pm$ 376.648 χ^2 /NDF: 12.8/19

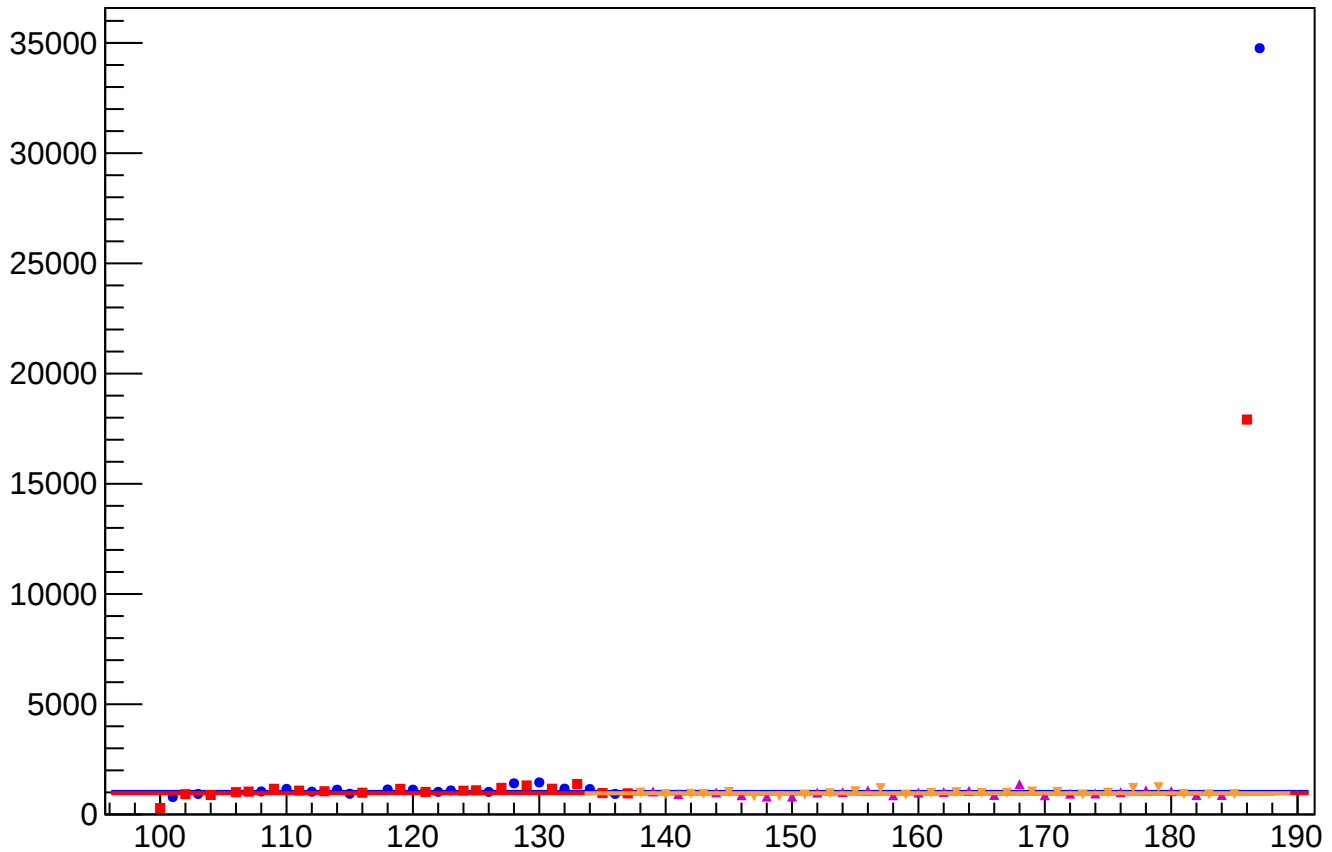
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 928.528 $\pm$ 196.879 χ^2 /NDF: 41.6/42

All: -141.871 $\pm$ 139.058 χ^2 /NDF: 137.7/85

- sign -1207.466 $\pm$ 196.437 χ^2 /NDF: 37.1/42

asym_right_dd_rms vs Slug



Right In: 1022.883+/-0.285 χ^2/NDF : 461252.9/17

Left Out: 962.776+/-0.160 χ^2/NDF : 362837.8/24

Right Out: 966.933+/-0.266 χ^2/NDF : 1733943.7/19

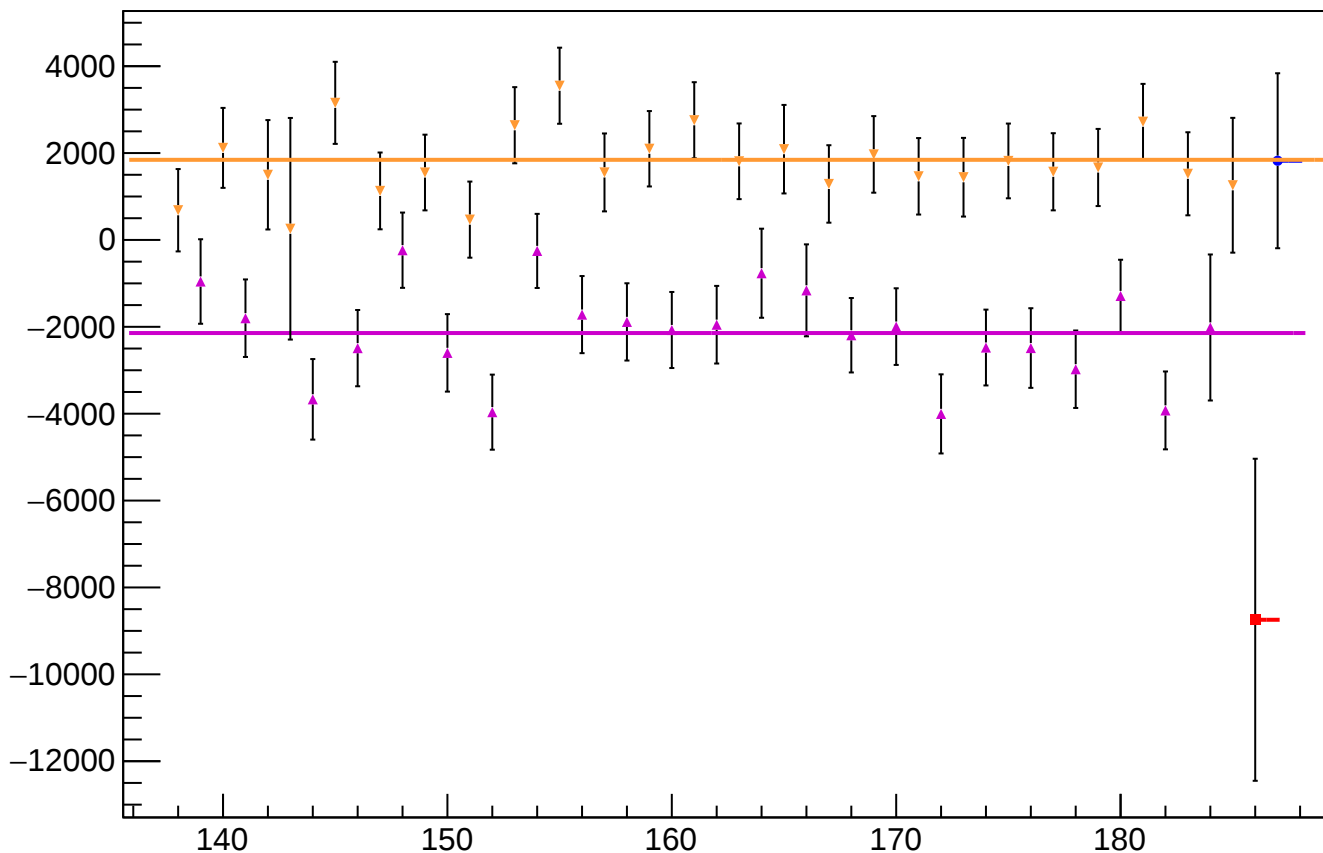
Left In: 955.331+/-0.163 χ^2/NDF : 443068.5/22

+ sign 977.130+/-0.139 χ^2/NDF : 857975.5/42

All: 967.787+/-0.098 χ^2/NDF : 3045356.5/85

- sign 958.487+/-0.139 χ^2/NDF : 2178393.9/42

cor_asym_us_avg_mean vs Slug



Right In: 1823.087 $\pm$ 2014.025 χ^2 /NDF: 0.0/0

Left Out: 1844.361 $\pm$ 186.909 χ^2 /NDF:15.4/24

Right Out: -8744.107 $\pm$ 3706.906 χ^2 /NDF: 0.0/0

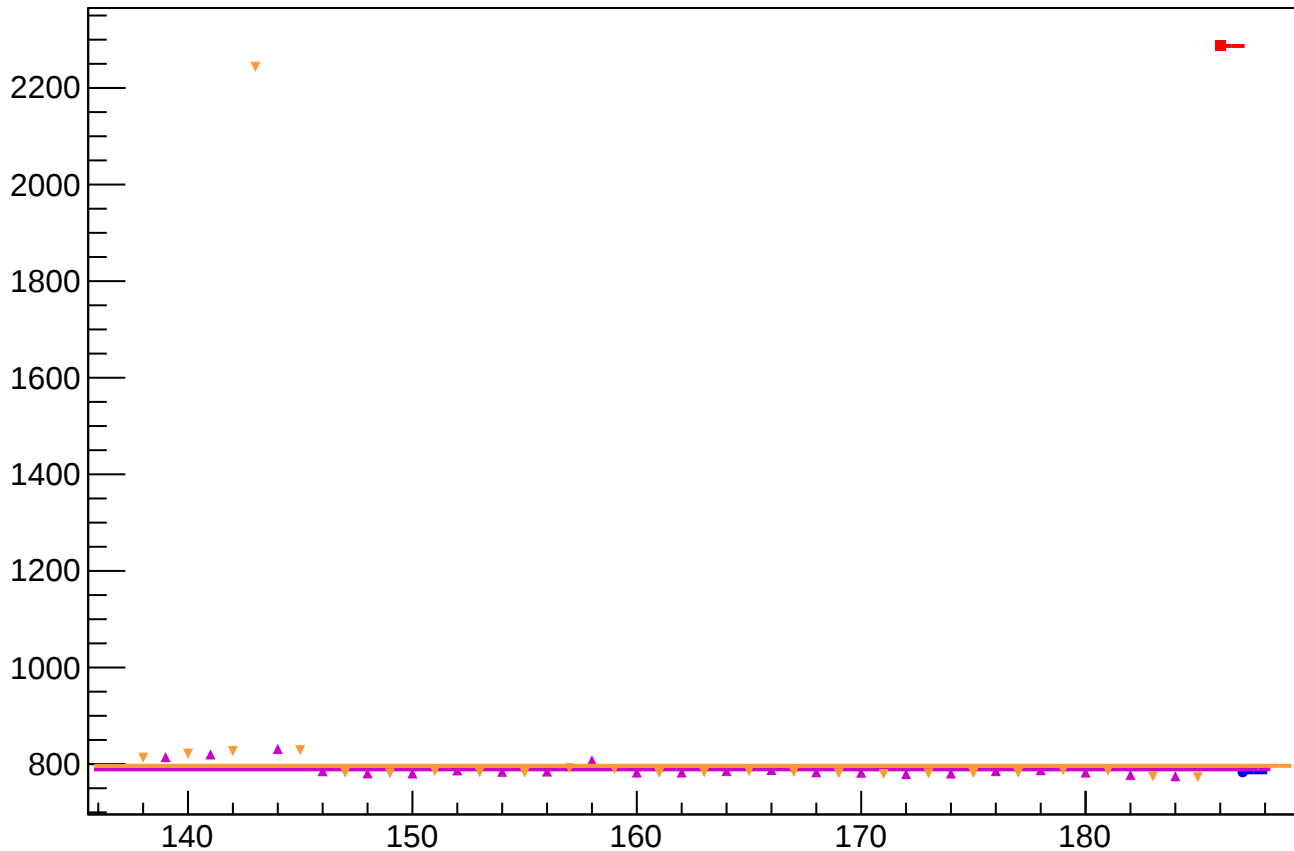
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ sign 1844.179 $\pm$ 186.109 χ^2 /NDF: 15.4/25

All: -117.884 $\pm$ 132.917 χ^2 /NDF: 277.7/49

- sign -2160.576 $\pm$ 189.894 χ^2 /NDF: 35.5/23

cor_asym_us_avg_rms vs Slug



Right In: 783.103 $\pm$ 1.424 χ^2 /NDF: 0.0/0

Left Out: 796.470 $\pm$ 0.132 χ^2 /NDF:658729.4/24

Right Out: 2287.028 $\pm$ 2.621 χ^2 /NDF: 0.0/0

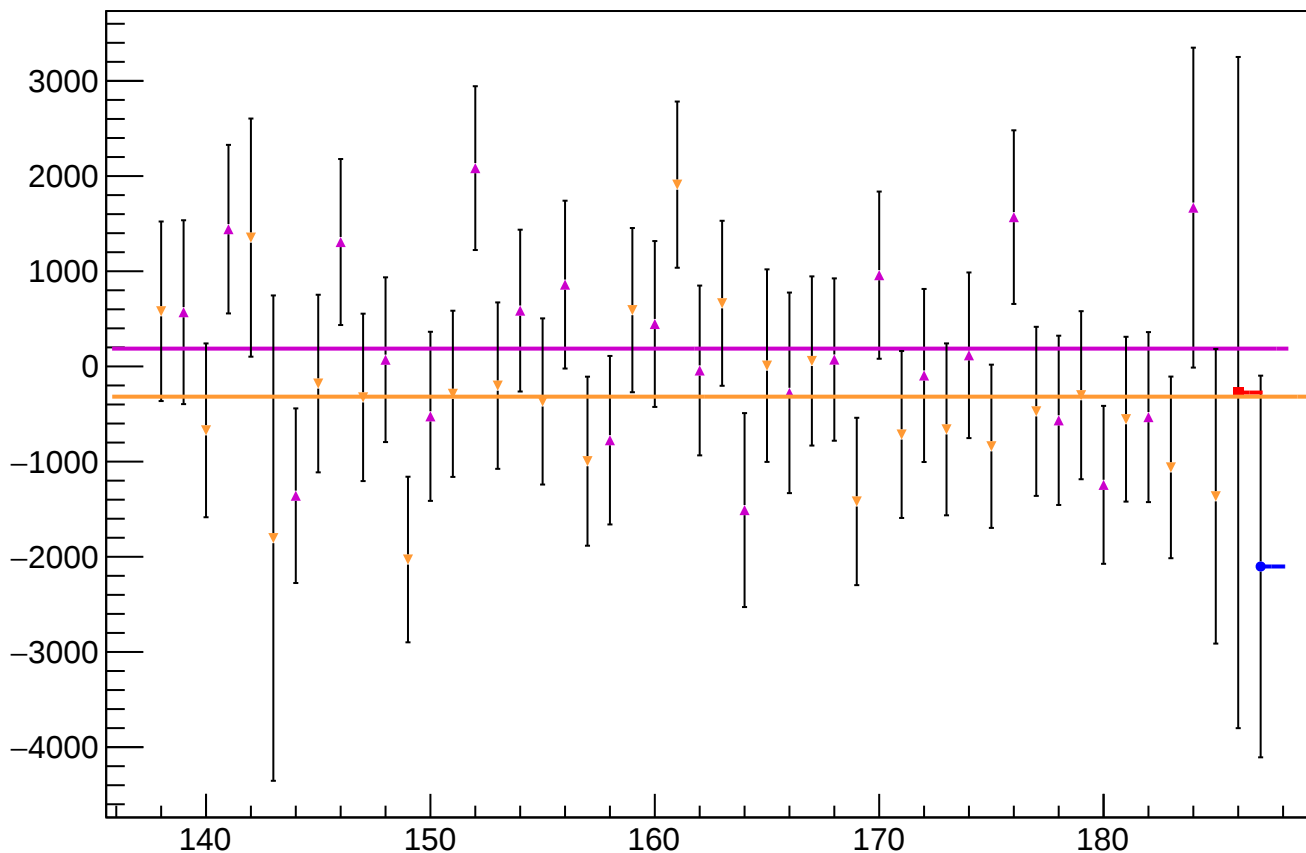
Left In: 789.176 $\pm$ 0.134 χ^2 /NDF:10860.4/22

+ sign 796.356 $\pm$ 0.132 χ^2 /NDF: 658816.8/25

All: 794.764 $\pm$ 0.094 χ^2 /NDF: 995664.6/49

- sign 793.107 $\pm$ 0.134 χ^2 /NDF: 336549.2/23

cor_asym_us_dd_mean vs Slug



Right In: -2101.966+/-2004.996 χ^2/NDF : 0.0/0

Left Out: -317.611+/-186.045 χ^2/NDF : 20.3/24

Right Out: -274.526+/-3525.993 χ^2/NDF : 0.0/0

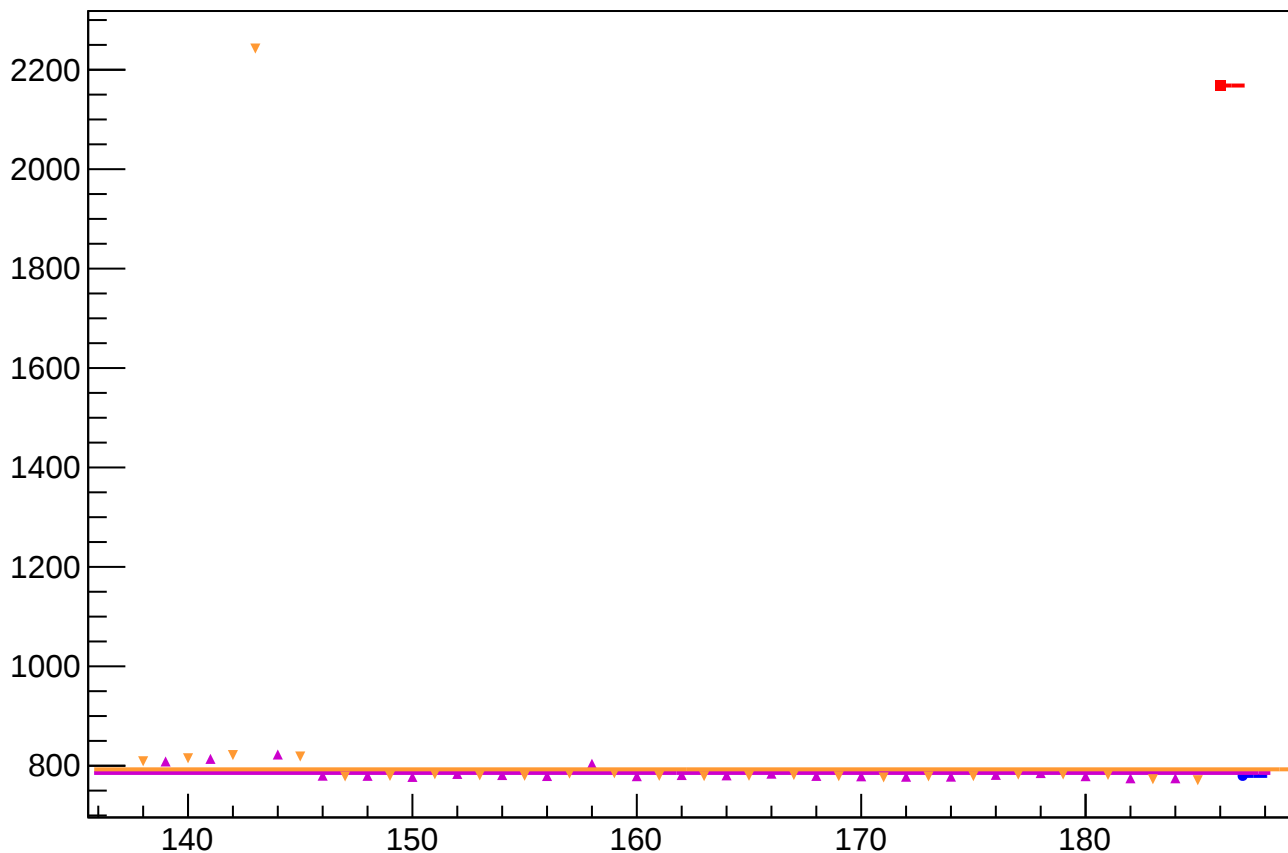
Left In: 187.105+/-189.265 χ^2/NDF : 25.6/22

+ sign -332.844+/-185.249 χ^2/NDF : 21.1/25

All: -78.721+/-132.295 χ^2/NDF : 50.5/49

- sign 185.778+/-188.993 χ^2/NDF : 25.6/23

cor_asym_us_dd_rms vs Slug



Right In: 779.630+/-1.418 χ^2/NDF : 0.0/0

Left Out: 792.811+/-0.132 χ^2/NDF : 659508.7/24

Right Out: 2168.262+/-2.493 χ^2/NDF : 0.0/0

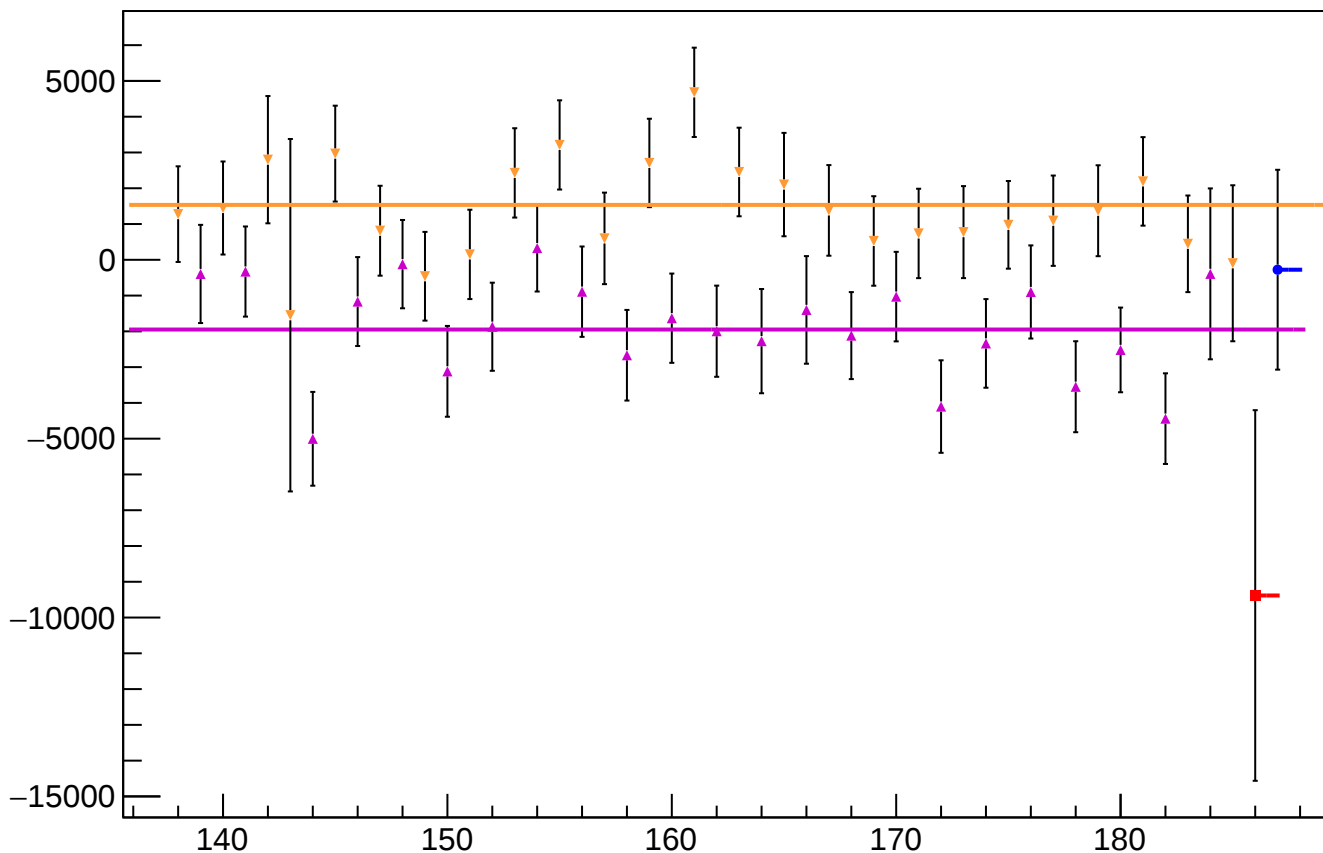
Left In: 785.562+/-0.134 χ^2/NDF : 9033.0/22

+ sign 792.698+/-0.131 χ^2/NDF : 659594.4/25

All: 791.148+/-0.094 χ^2/NDF : 975584.9/49

- sign 789.534+/-0.134 χ^2/NDF : 315704.6/23

cor_asym_usl_mean vs Slug



Right In: -277.259 ± 2793.160 χ^2/NDF : 0.0/0

Left Out: 1534.720 ± 265.890 χ^2/NDF : 20.3/24

Right Out: -9383.501 ± 5180.036 χ^2/NDF : 0.0/0

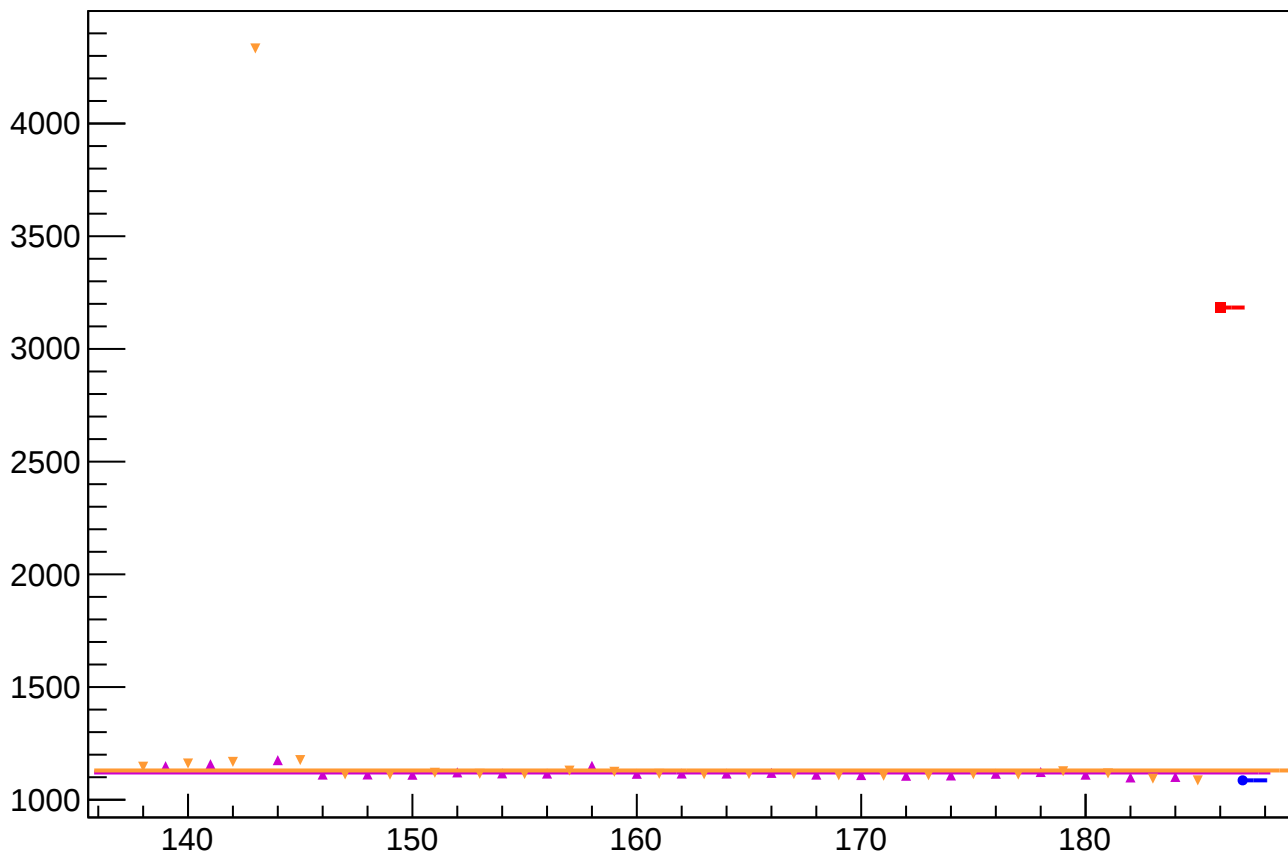
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ sign 1518.447 ± 264.694 χ^2/NDF : 20.7/25

All: -192.634 ± 188.916 χ^2/NDF : 134.7/49

- sign -1969.232 ± 269.714 χ^2/NDF : 28.8/23

cor_asym_usl_rms vs Slug



Right In: 1086.094 $\pm$ 1.975 χ^2/NDF : 0.0/0

Left Out: 1129.937 $\pm$ 0.188 χ^2/NDF : 858269.9/24

Right Out: 3183.662 $\pm$ 3.663 χ^2/NDF : 0.0/0

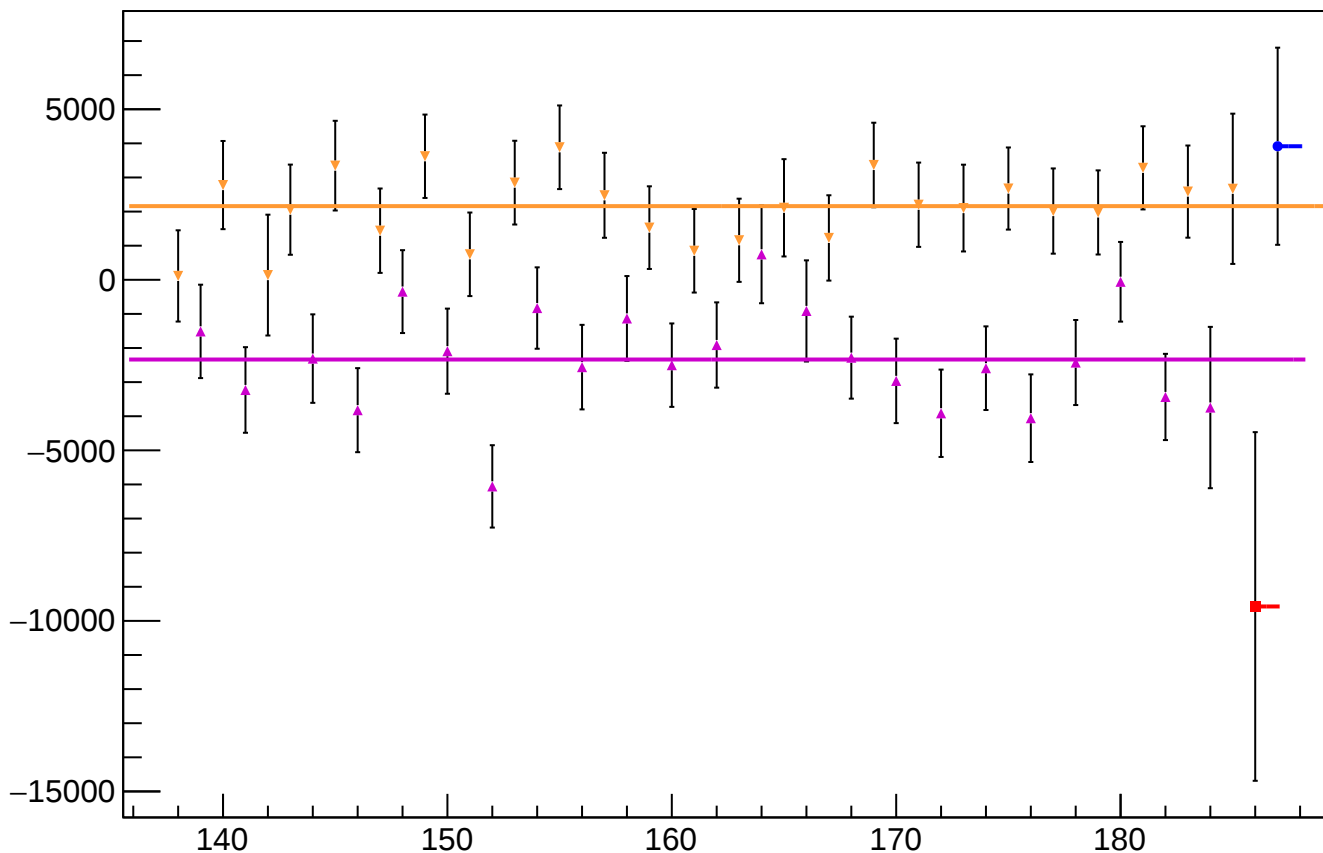
Left In: 1120.977 $\pm$ 0.191 χ^2/NDF : 9259.6/22

+ sign 1129.543 $\pm$ 0.187 χ^2/NDF : 858758.2/25

All: 1128.084 $\pm$ 0.134 χ^2/NDF : 1184406.6/49

- sign 1126.570 $\pm$ 0.191 χ^2/NDF : 325524.6/23

cor_asym_usr_mean vs Slug



Right In: 3915.502 ± 2889.951 χ^2/NDF : 0.0/0

Left Out: 2159.879 ± 257.526 χ^2/NDF : 15.0/24

Right Out: -9577.327 ± 5110.896 χ^2/NDF : 0.0/0

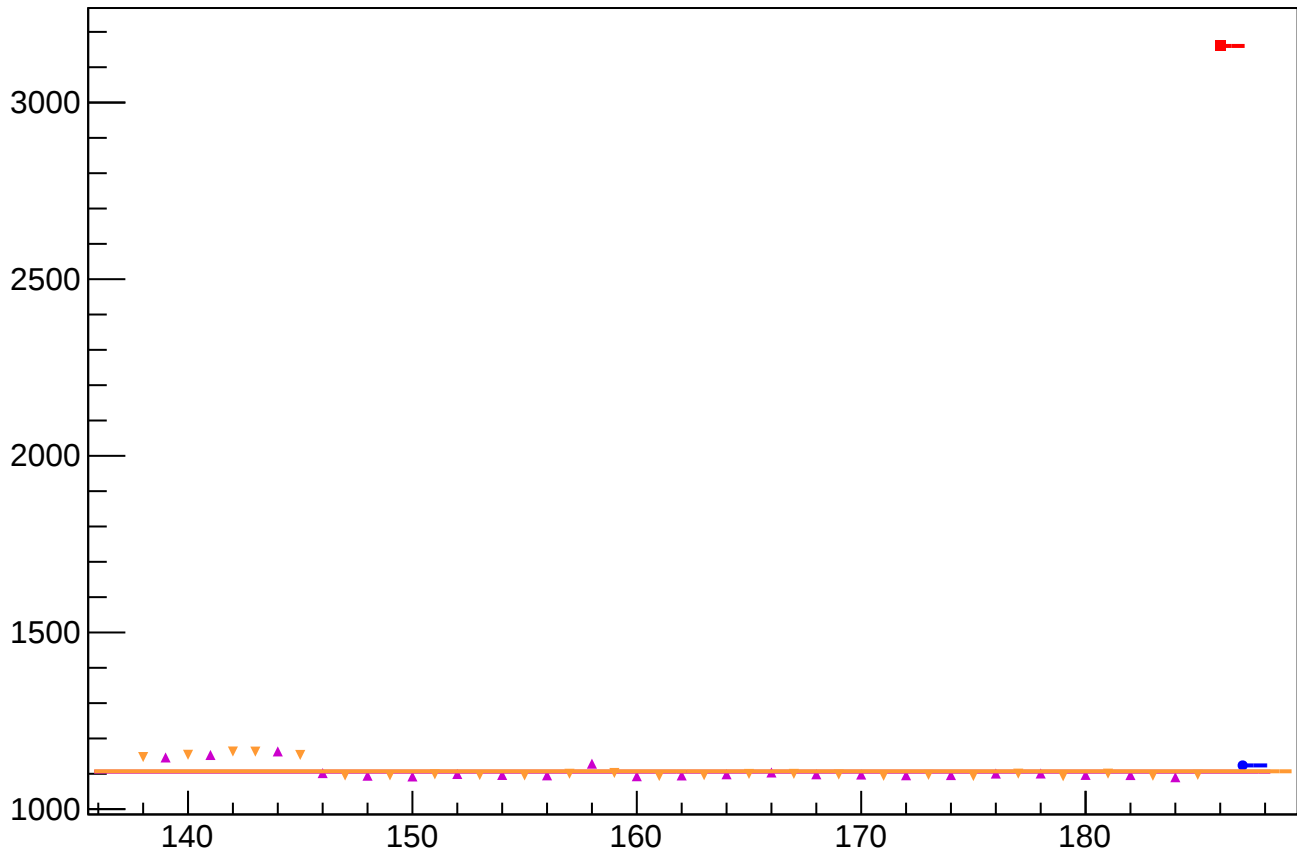
Left In: -2337.232 ± 266.468 χ^2/NDF : 31.3/22

+ sign 2173.710 ± 256.509 χ^2/NDF : 15.3/25

All: -8.403 ± 184.679 χ^2/NDF : 198.9/49

- sign -2356.859 ± 266.107 χ^2/NDF : 33.3/23

cor_asym_usr_rms vs Slug



Right In: 1123.711 $\pm$ 2.044 χ^2 /NDF: 0.0/0

Left Out: 1107.091 $\pm$ 0.182 χ^2 /NDF: 15185.2/24

Right Out: 3160.201 $\pm$ 3.614 χ^2 /NDF: 0.0/0

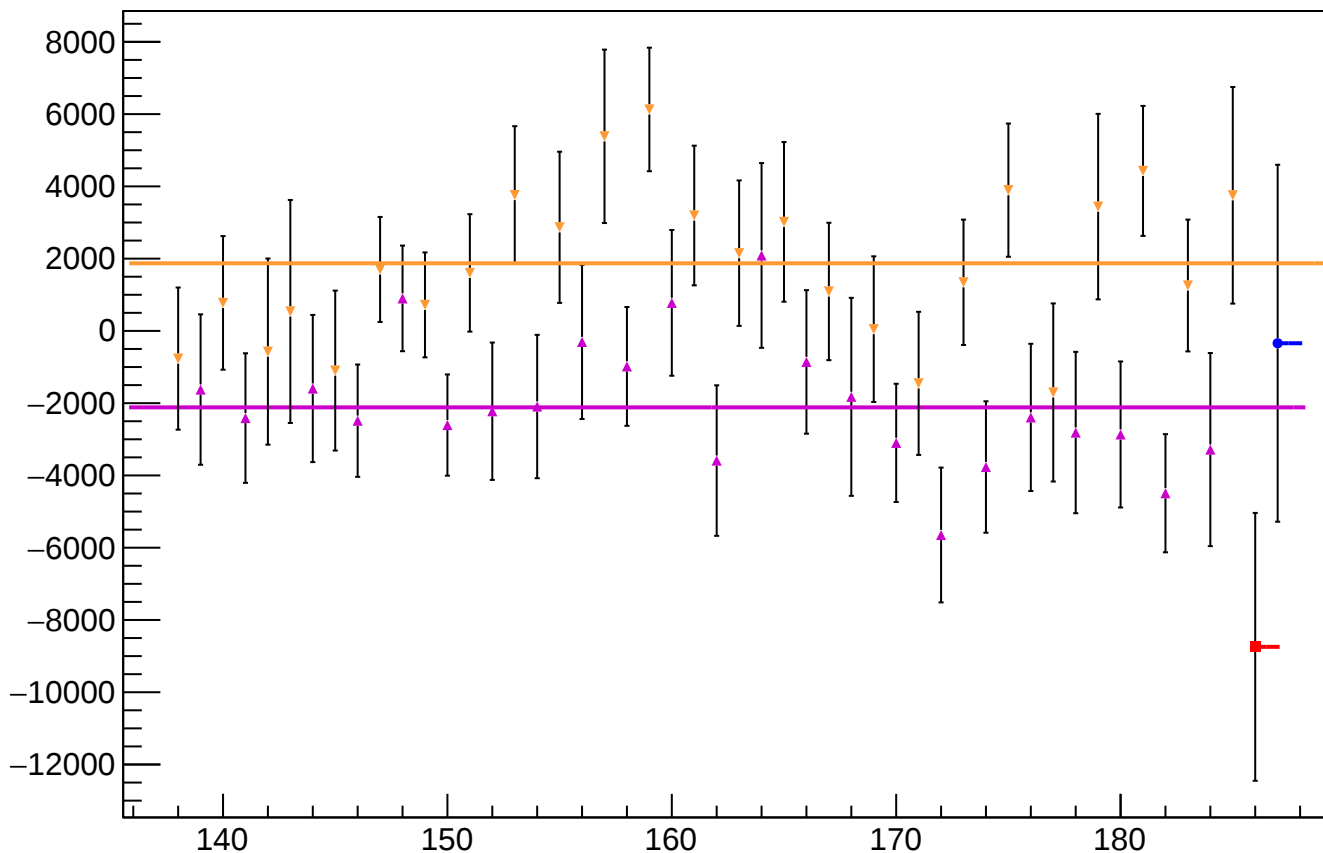
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

+ sign 1107.222 $\pm$ 0.181 χ^2 /NDF: 15250.8/25

All: 1109.294 $\pm$ 0.131 χ^2 /NDF: 348859.9/49

- sign 1111.524 $\pm$ 0.188 χ^2 /NDF: 333338.1/23

asym_us_agg_avg_mean vs Slug



Right In: -341.335 ± 4939.699 χ^2/NDF : 0.0/0

Left Out: 1871.638 ± 391.684 χ^2/NDF : 26.1/24

Right Out: -8744.107 ± 3706.906 χ^2/NDF : 0.0/0

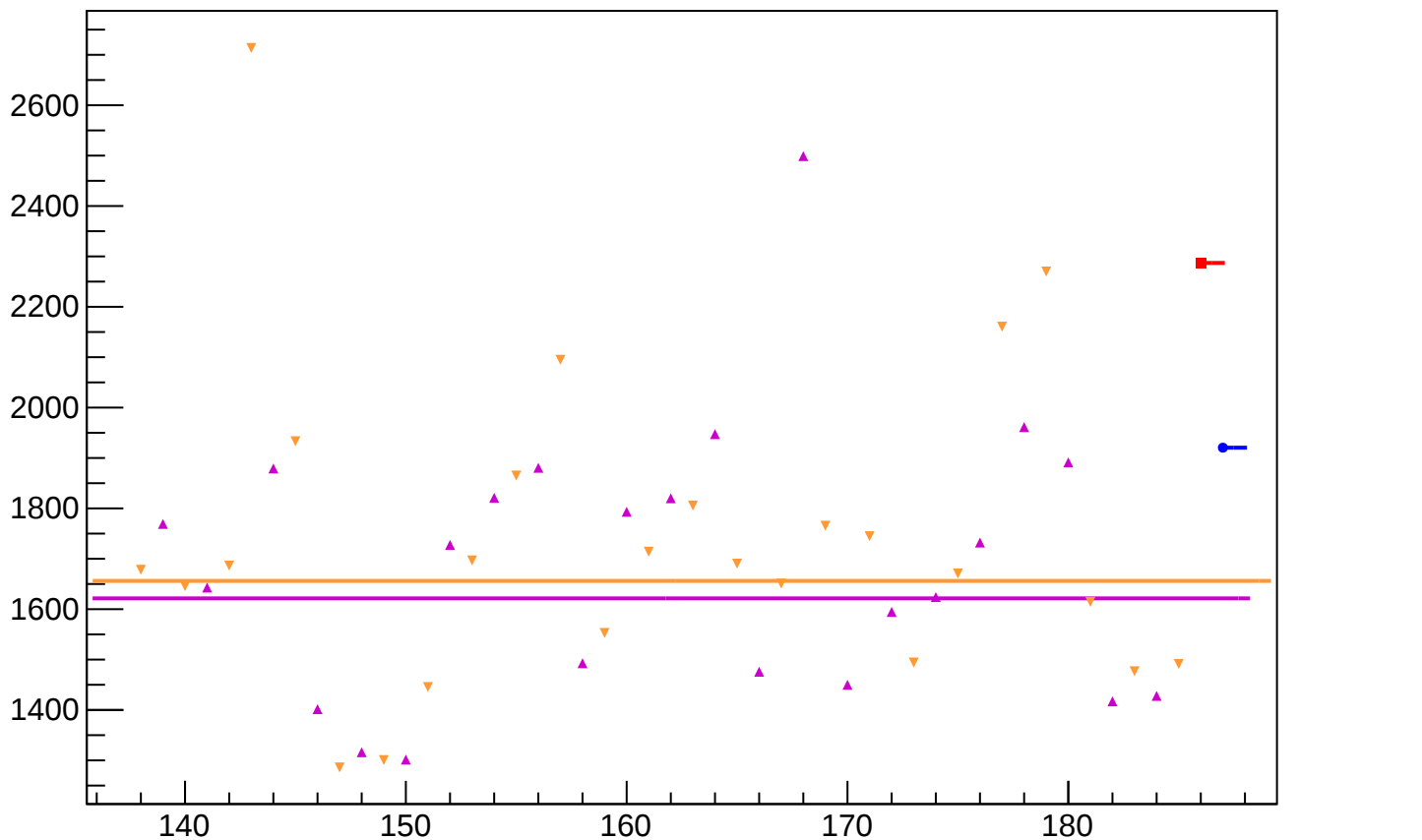
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

+ sign 1857.811 ± 390.458 χ^2/NDF : 26.3/25

All: -164.181 ± 276.219 χ^2/NDF : 101.9/49

- sign -2189.783 ± 390.806 χ^2/NDF : 21.9/23

asym_us_agg_avg_rms vs Slug



Right In: 1920.453+/-3.493 χ^2/NDF : 0.0/0

Left Out: 1656.119+/-0.277 χ^2/NDF : 910573.4/24

Right Out: 2287.028+/-2.621 χ^2/NDF : 0.0/0

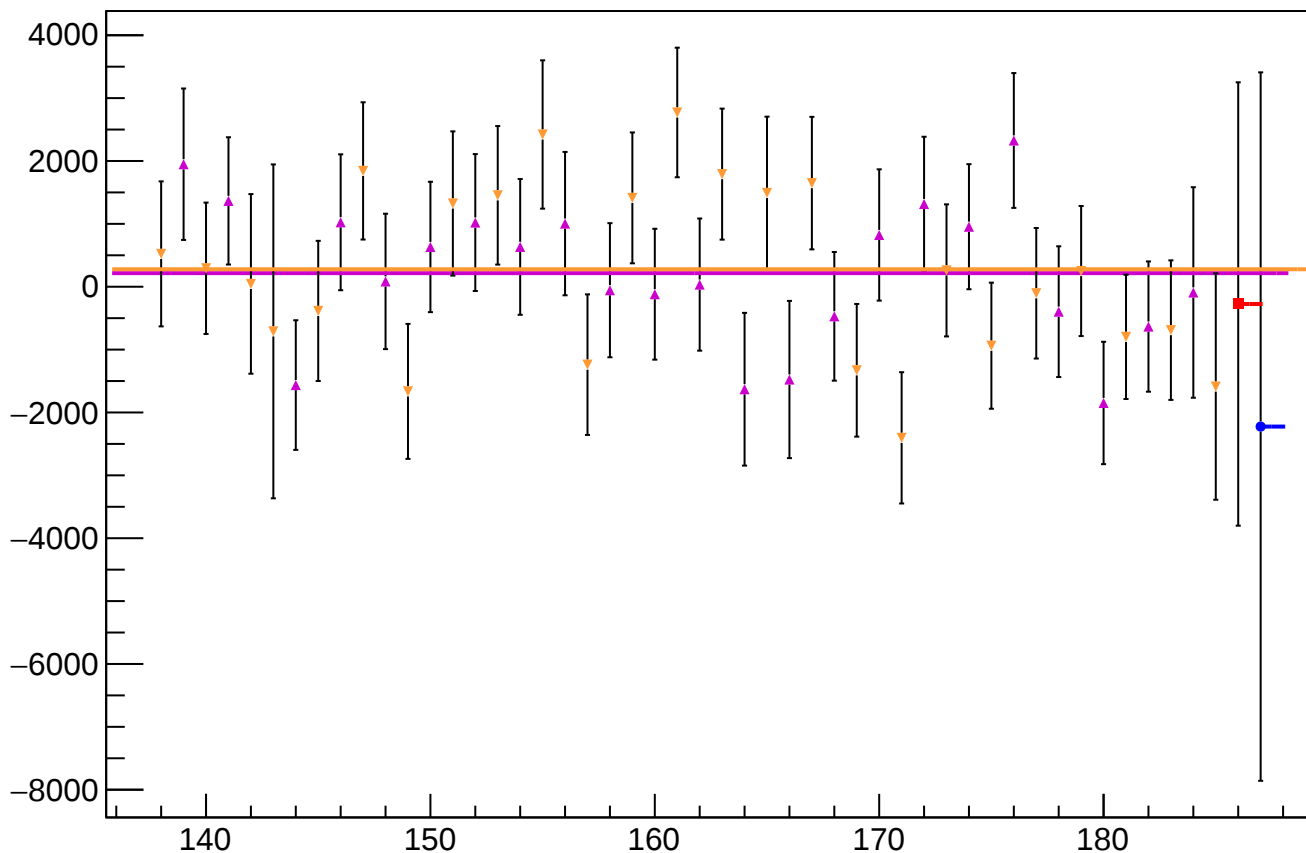
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1657.771+/-0.276 χ^2/NDF : 916264.7/25

All: 1643.306+/-0.195 χ^2/NDF : 1760836.0/49

- sign 1628.815+/-0.276 χ^2/NDF : 839076.7/23

asym_us_agg_dd_mean vs Slug



Right In: -2224.307 ± 5634.016 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 278.090 ± 223.581 $\chi^2/\text{NDF}: 38.4/24$

Right Out: -274.526 ± 3525.993 $\chi^2/\text{NDF}: 0.0/0$

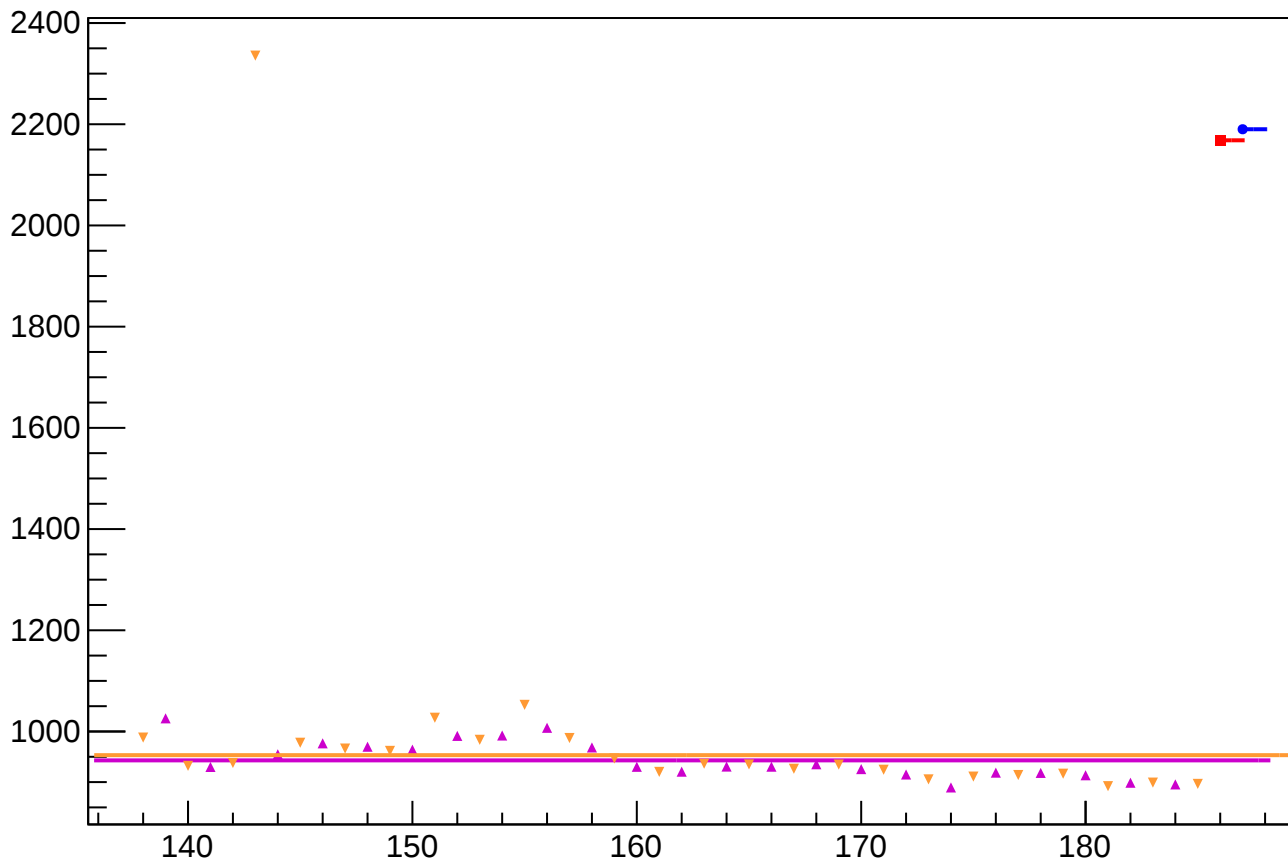
Left In: 216.121 ± 225.600 $\chi^2/\text{NDF}: 24.4/22$

+ sign 274.156 ± 223.405 $\chi^2/\text{NDF}: 38.6/25$

All: 244.370 ± 158.581 $\chi^2/\text{NDF}: 63.1/49$

- sign 214.121 ± 225.140 $\chi^2/\text{NDF}: 24.4/23$

asym_us_agg_dd_rms vs Slug



Right In: 2190.105+/-3.984 χ^2/NDF : 0.0/0

Left Out: 953.221+/-0.158 χ^2/NDF : 606273.1/24

Right Out: 2168.262+/-2.493 χ^2/NDF : 0.0/0

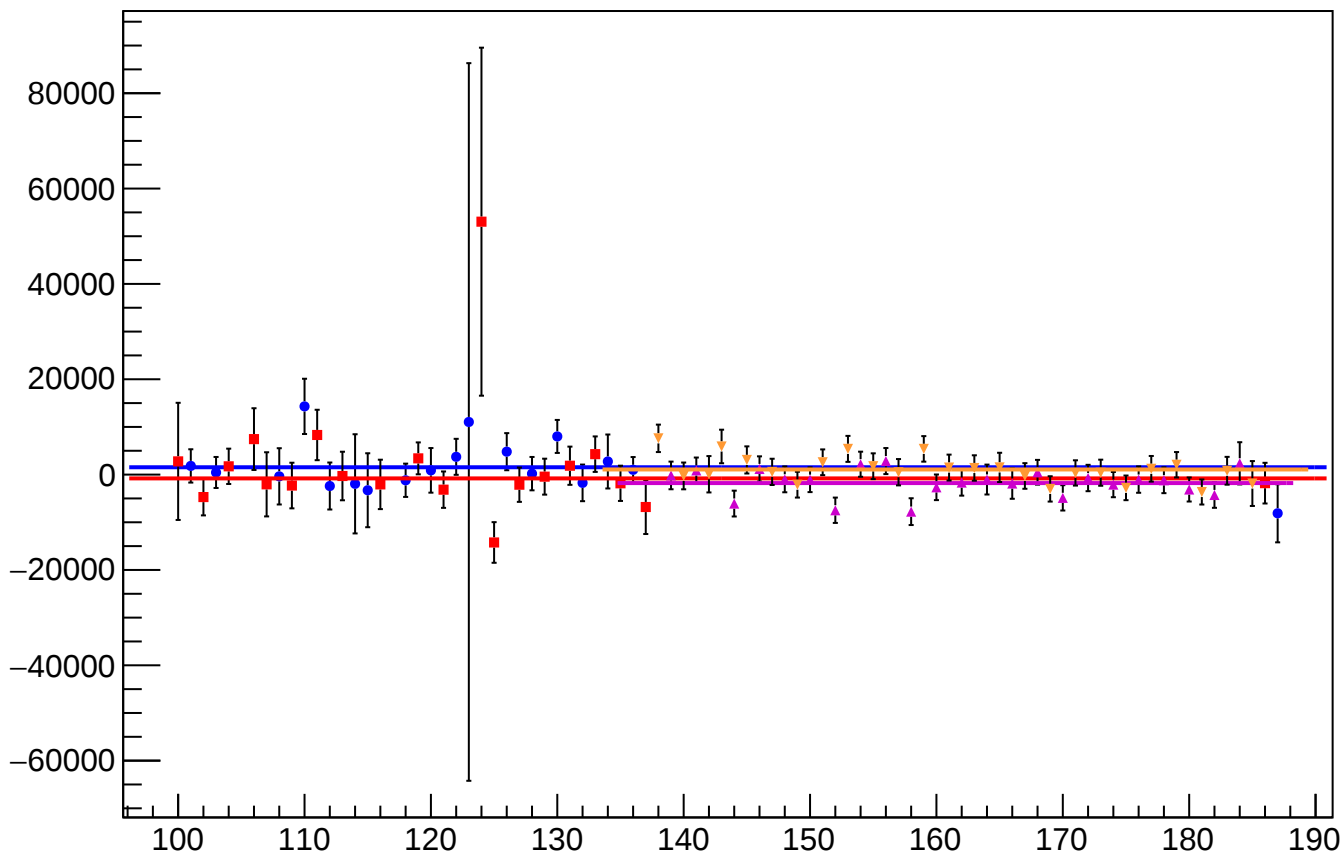
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 955.166+/-0.158 χ^2/NDF : 702515.9/25

All: 951.572+/-0.112 χ^2/NDF : 992510.6/49

- sign 947.922+/-0.159 χ^2/NDF : 288951.5/23

reg_asym_atl1_mean vs Slug



Right In: 1540.081+/-1002.051 χ^2/NDF : 14.9/17

Left Out: 1078.054+/-564.005 χ^2/NDF : 23.6/24

Right Out: -797.292+/-998.365 χ^2/NDF : 24.2/19

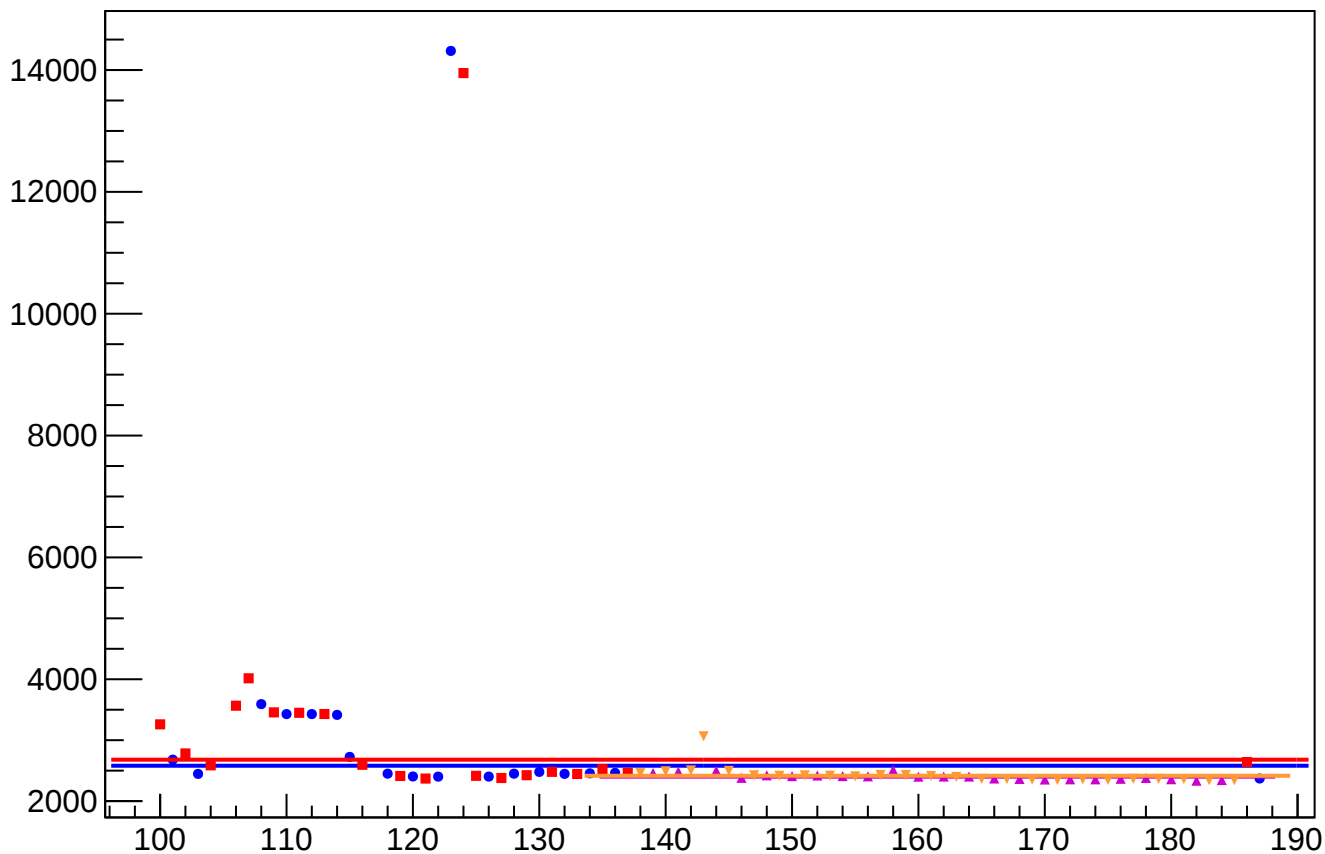
Left In: -1777.100+/-575.895 χ^2/NDF : 24.1/22

+ sign 1189.211+/-491.499 χ^2/NDF : 38.6/42

All: -151.431+/-350.113 χ^2/NDF : 102.7/85

- sign -1532.474+/-498.850 χ^2/NDF : 48.9/42

reg_asym_atl1_rms vs Slug



Right In: 2580.581+/-0.709 χ^2/NDF : 256278.6/17

Left Out: 2416.019+/-0.399 χ^2/NDF : 82636.1/24

Right Out: 2679.750+/-0.706 χ^2/NDF : 529241.6/19

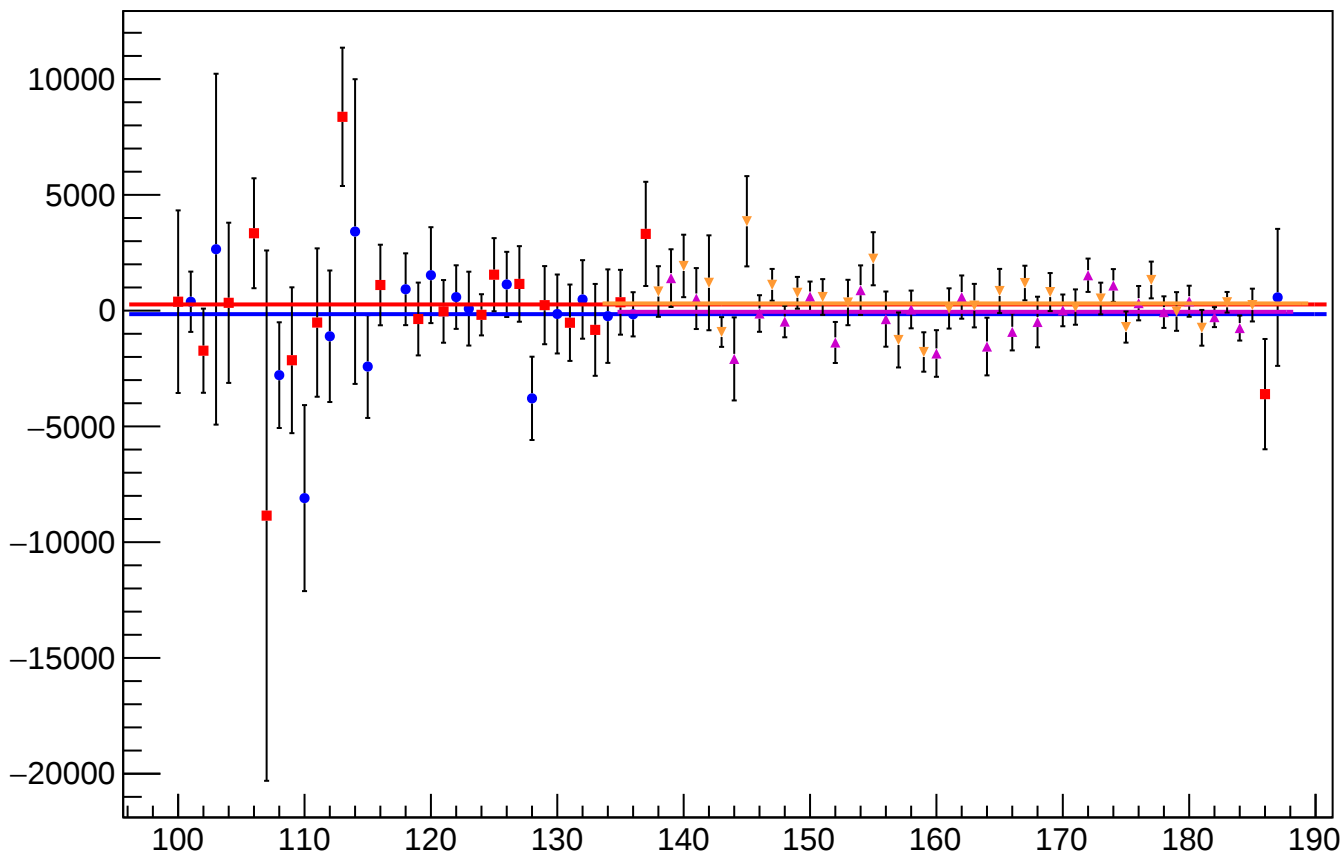
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2455.610+/-0.348 χ^2/NDF : 379877.5/42

All: 2463.147+/-0.248 χ^2/NDF : 1040454.1/85

- sign 2470.911+/-0.353 χ^2/NDF : 659621.8/42

asym_atl1_correction_mean vs Slug



Right In: -152.111 $\pm$ 417.177 χ^2/NDF : 13.6/17

Left Out: 310.873 $\pm$ 160.650 χ^2/NDF : 29.7/24

Right Out: 267.730 $\pm$ 404.076 χ^2/NDF : 18.2/19

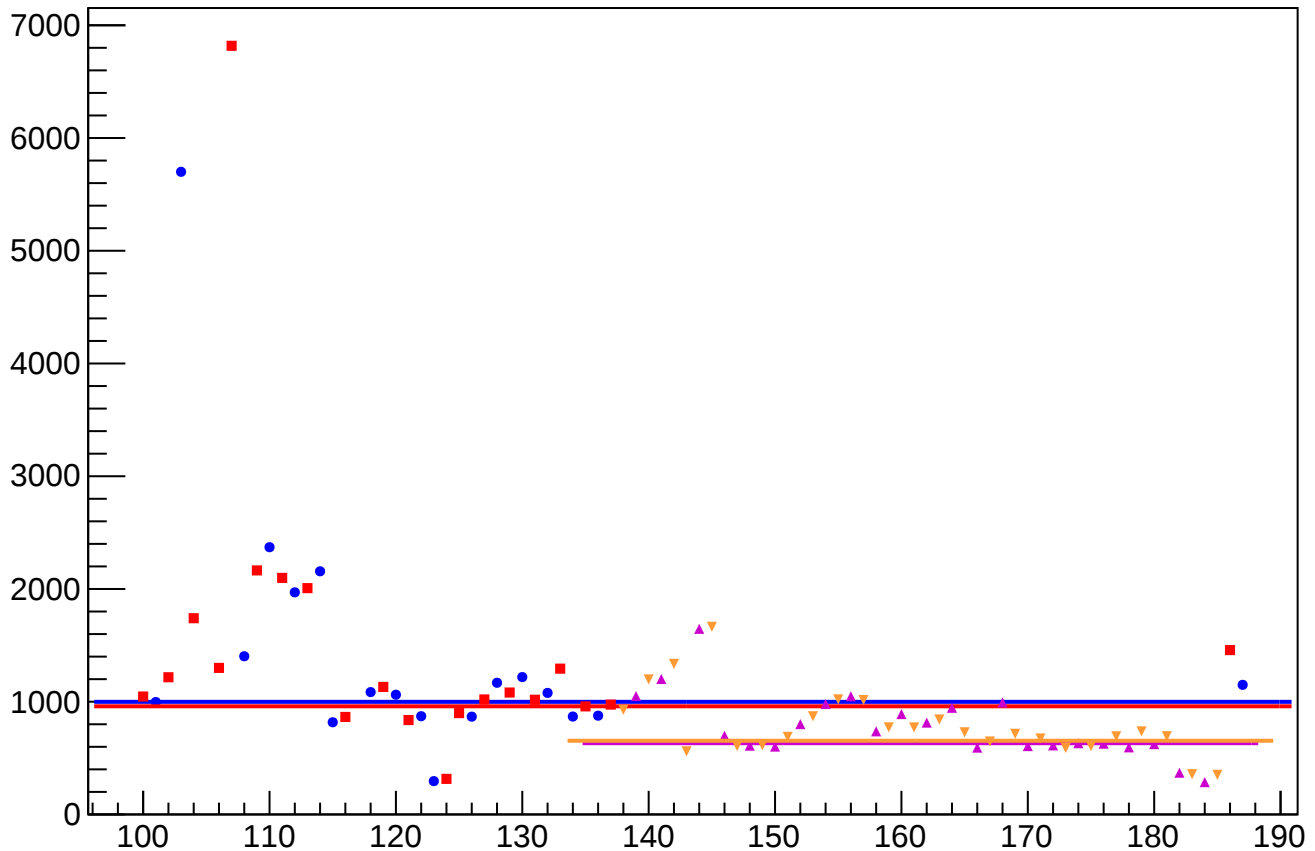
Left In: -51.454 $\pm$ 161.744 χ^2/NDF : 23.8/22

+ sign 251.082 $\pm$ 149.918 χ^2/NDF : 44.4/42

All: 122.063 $\pm$ 106.094 χ^2/NDF : 88.5/85

- sign -7.375 $\pm$ 150.161 χ^2/NDF : 42.6/42

asym_atl1_correction_rms vs Slug



Right In: 998.931 $\pm$ 0.295 χ^2/NDF : 1908298.0/17

Left Out: 653.803 $\pm$ 0.114 χ^2/NDF : 3254694.4/24

Right Out: 959.338 $\pm$ 0.286 χ^2/NDF : 2756691.4/19

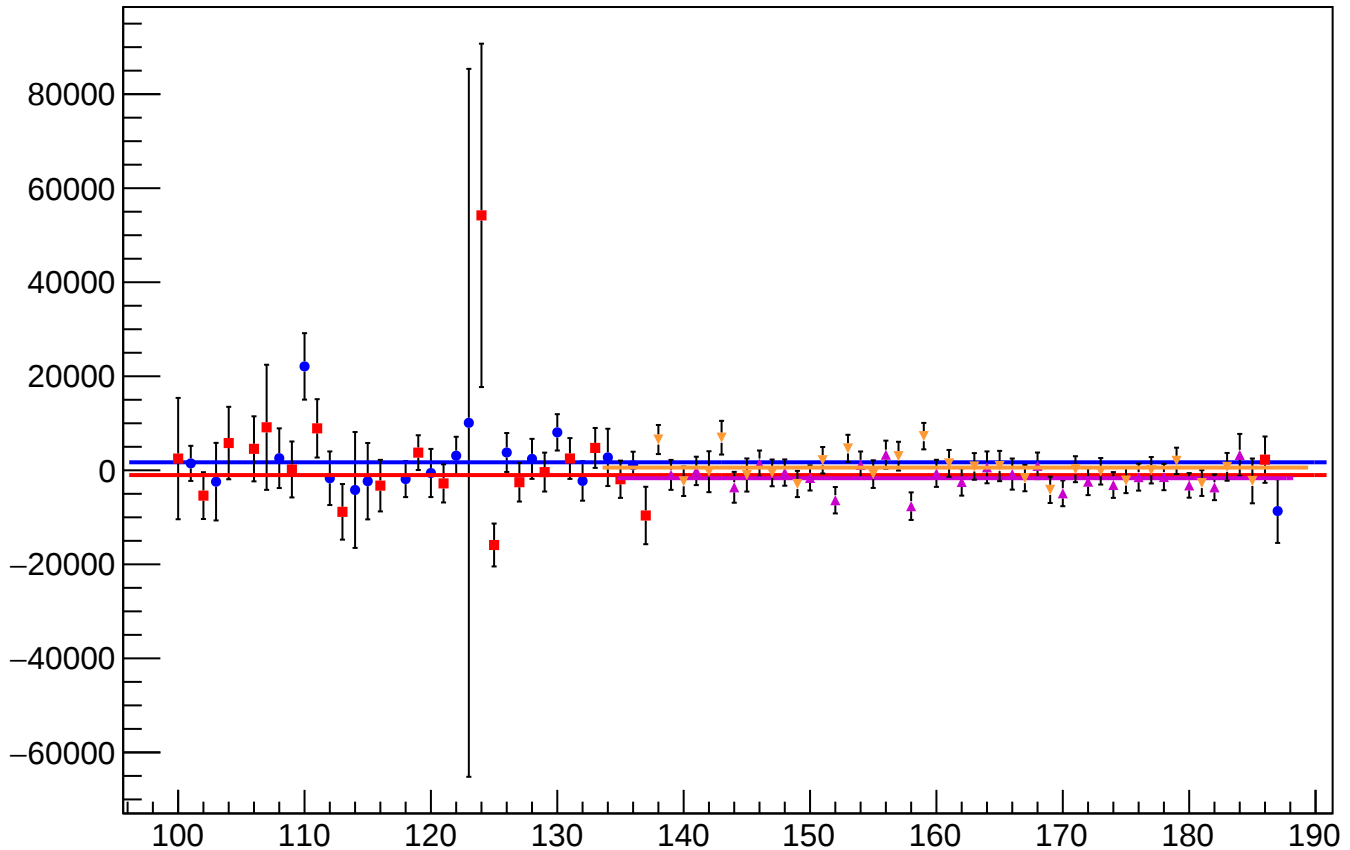
Left In: 632.053 $\pm$ 0.114 χ^2/NDF : 3942853.4/22

+ sign 698.373 $\pm$ 0.106 χ^2/NDF : 6355052.0/42

All: 687.829 $\pm$ 0.075 χ^2/NDF : 14205293.3/85

- sign 677.250 $\pm$ 0.106 χ^2/NDF : 7830421.8/42

asym_atl1_mean vs Slug



Right In: 1703.807+/-1146.820 χ^2/NDF : 16.9/17

Left Out: 580.879+/-597.173 χ^2/NDF : 25.3/24

Right Out: -1016.781+/-1157.678 χ^2/NDF : 27.3/19

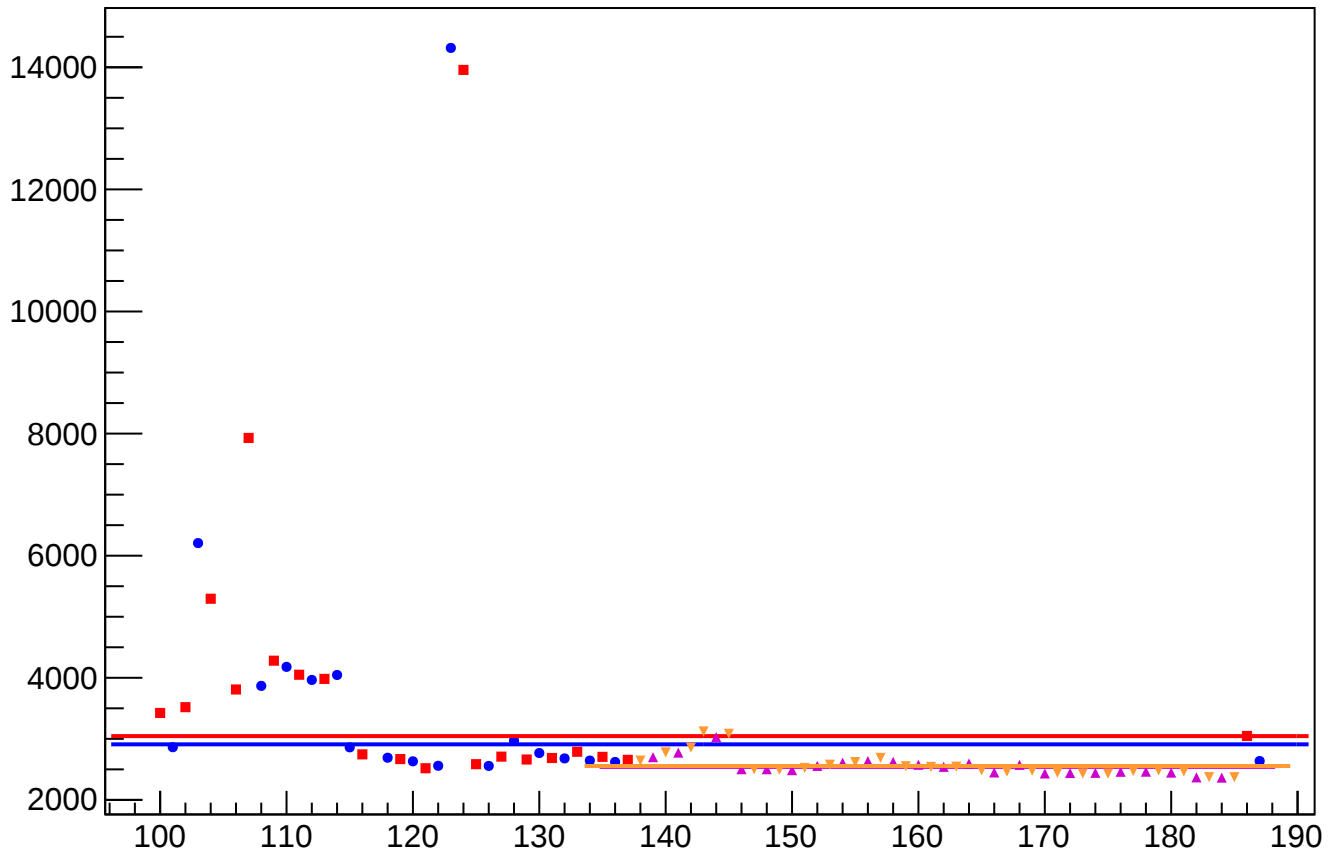
Left In: -1679.572+/-610.111 χ^2/NDF : 18.2/22

+ sign 820.412+/-529.666 χ^2/NDF : 43.0/42

All: -335.347+/-378.043 χ^2/NDF : 98.4/85

- sign -1535.502+/-539.743 χ^2/NDF : 45.7/42

asym_atl1_rms vs Slug



Right In: 2909.951+/-0.811 χ^2 /NDF: 640067.7/17

Left Out: 2555.279+/-0.422 χ^2 /NDF:154743.6/24

+ sign 2630.935+/-0.375 χ^2 /NDF: 945297.3/42

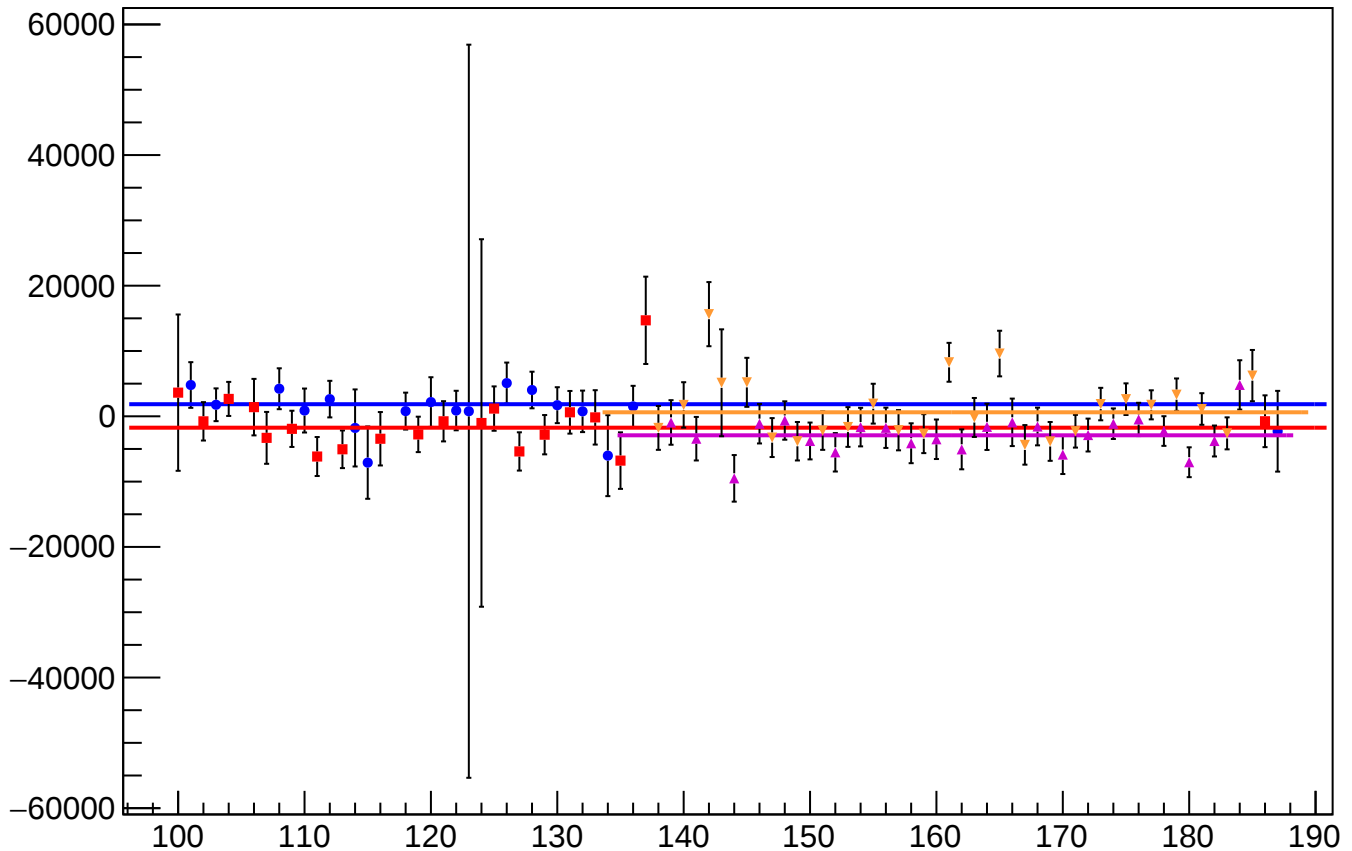
Right Out: 3044.644+/-0.819 χ^2 /NDF: 1006713.1/19

All: 2640.517+/-0.267 χ^2 /NDF: 2344366.4/85

- sign 2650.467+/-0.382 χ^2 /NDF: 1397734.9/42

Left In: 2540.988+/-0.431 χ^2 /NDF:94756.7/22

reg_asym_atl2_mean vs Slug



Right In: 1852.374 ± 806.660 χ^2/NDF : 8.5/17

Left Out: 614.867 ± 591.148 χ^2/NDF : 45.2/24

Right Out: -1743.838 ± 777.024 χ^2/NDF : 18.3/19

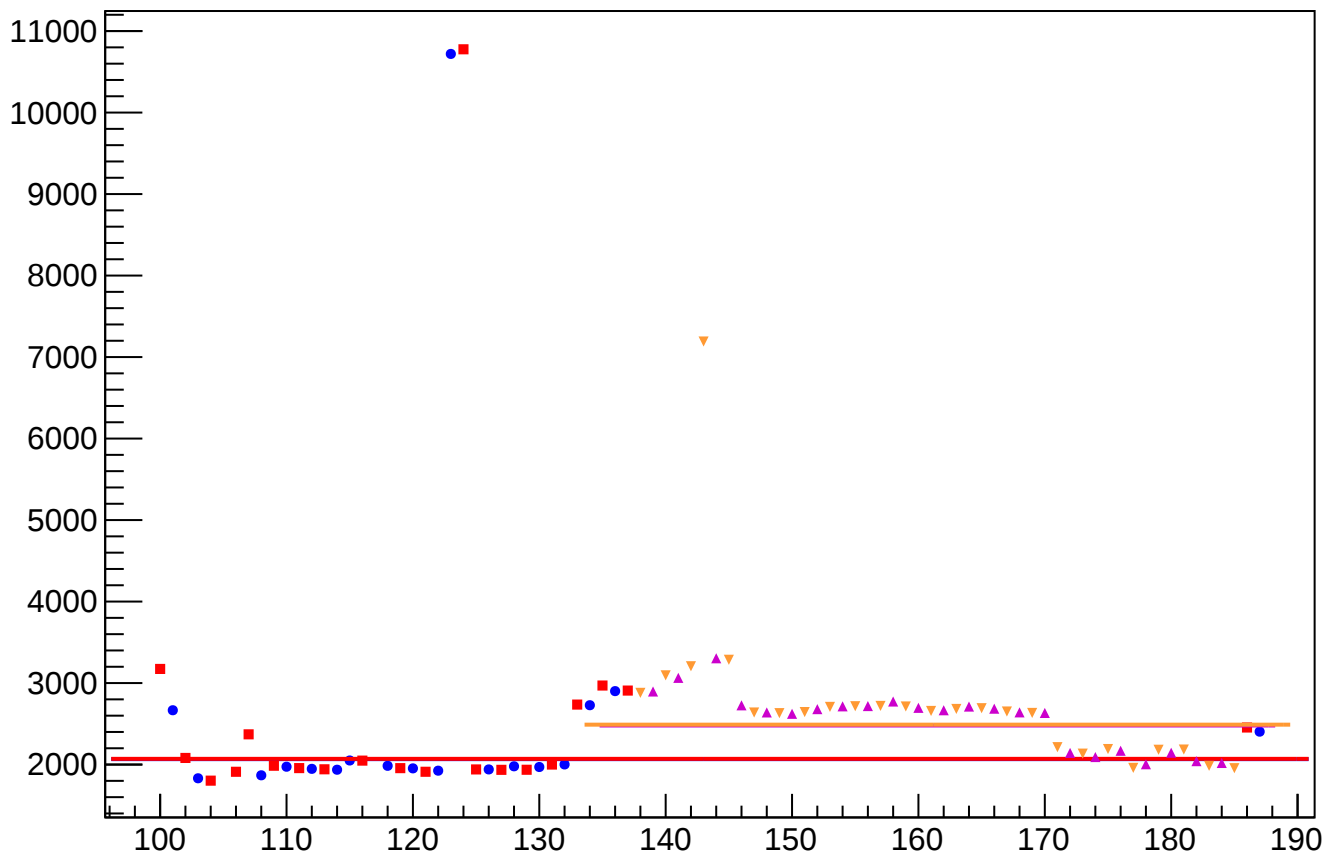
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1047.253 ± 476.818 χ^2/NDF : 55.3/42

All: -721.148 ± 336.423 χ^2/NDF : 119.7/85

- sign -2474.136 ± 474.735 χ^2/NDF : 37.1/42

reg_asym_atl2_rms vs Slug



Right In: 2066.566 $\pm$ 0.570 χ^2 /NDF: 323664.3/17

Left Out: 2489.577 $\pm$ 0.418 χ^2 /NDF:1364203.3/24

Right Out: 2070.044 $\pm$ 0.549 χ^2 /NDF: 461236.2/19

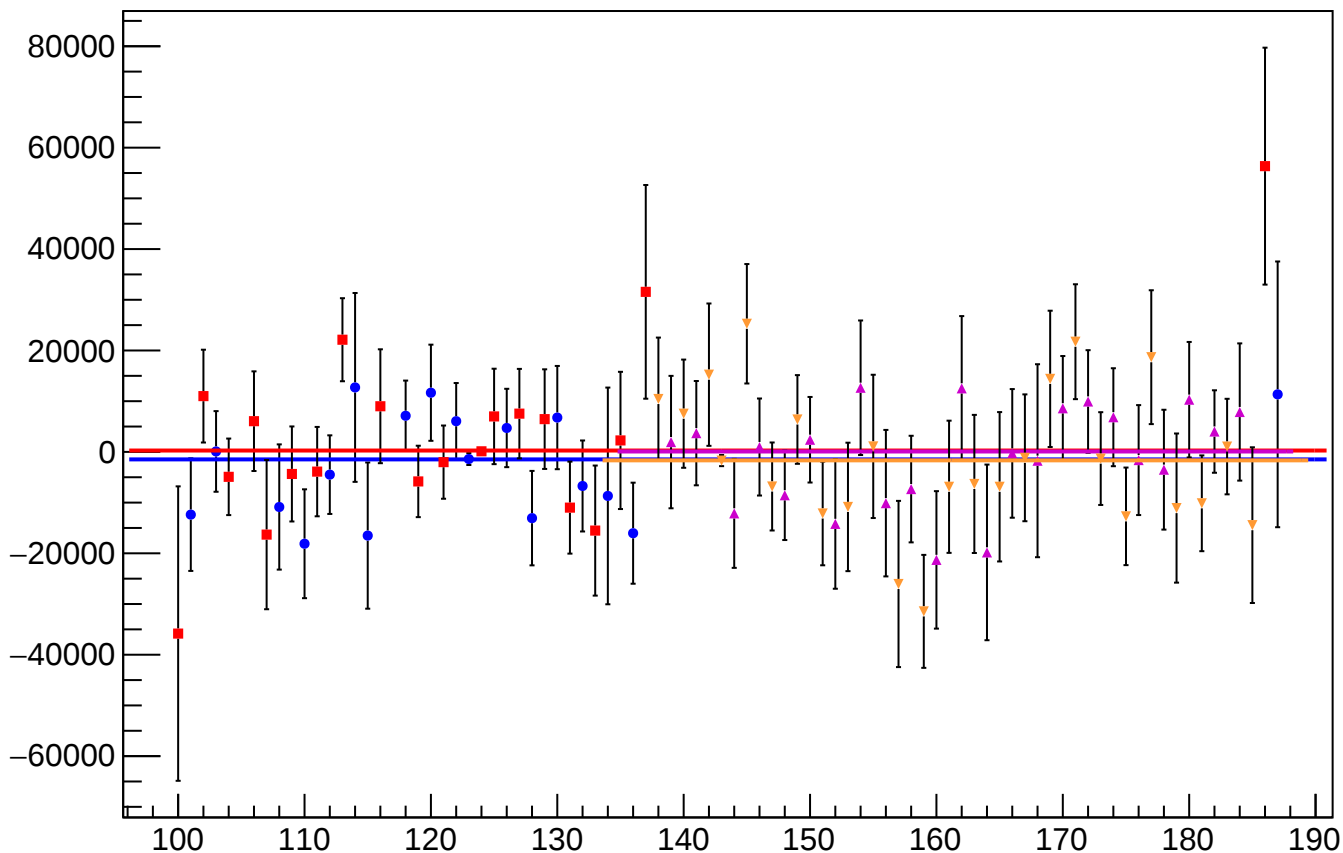
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF:668398.2/22

+ sign 2341.776 $\pm$ 0.337 χ^2 /NDF: 2045688.1/42

All: 2334.136 $\pm$ 0.238 χ^2 /NDF: 3524145.5/85

- sign 2326.563 $\pm$ 0.336 χ^2 /NDF: 1477435.0/42

asym_atl2_correction_mean vs Slug



Right In: -1479.345 $\pm$ 1053.808 χ^2 /NDF: 15.9/17

Left Out: -1665.417 $\pm$ 993.060 χ^2 /NDF: 32.4/24

Right Out: 269.641 $\pm$ 695.030 χ^2 /NDF: 26.7/19

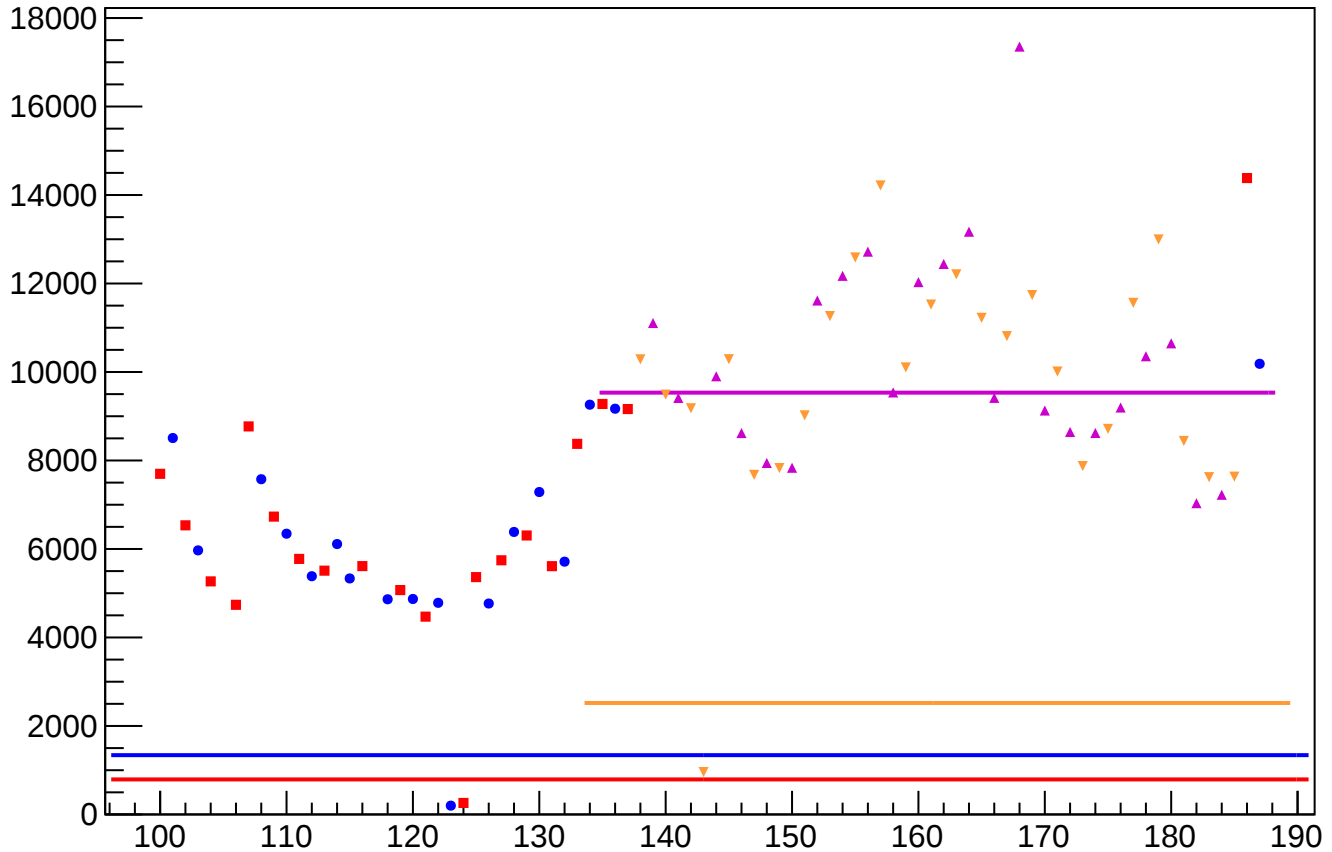
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF: 13.8/22

+ sign -1577.898 $\pm$ 722.722 χ^2 /NDF: 48.3/42

All: -587.239 $\pm$ 489.786 χ^2 /NDF: 92.4/85

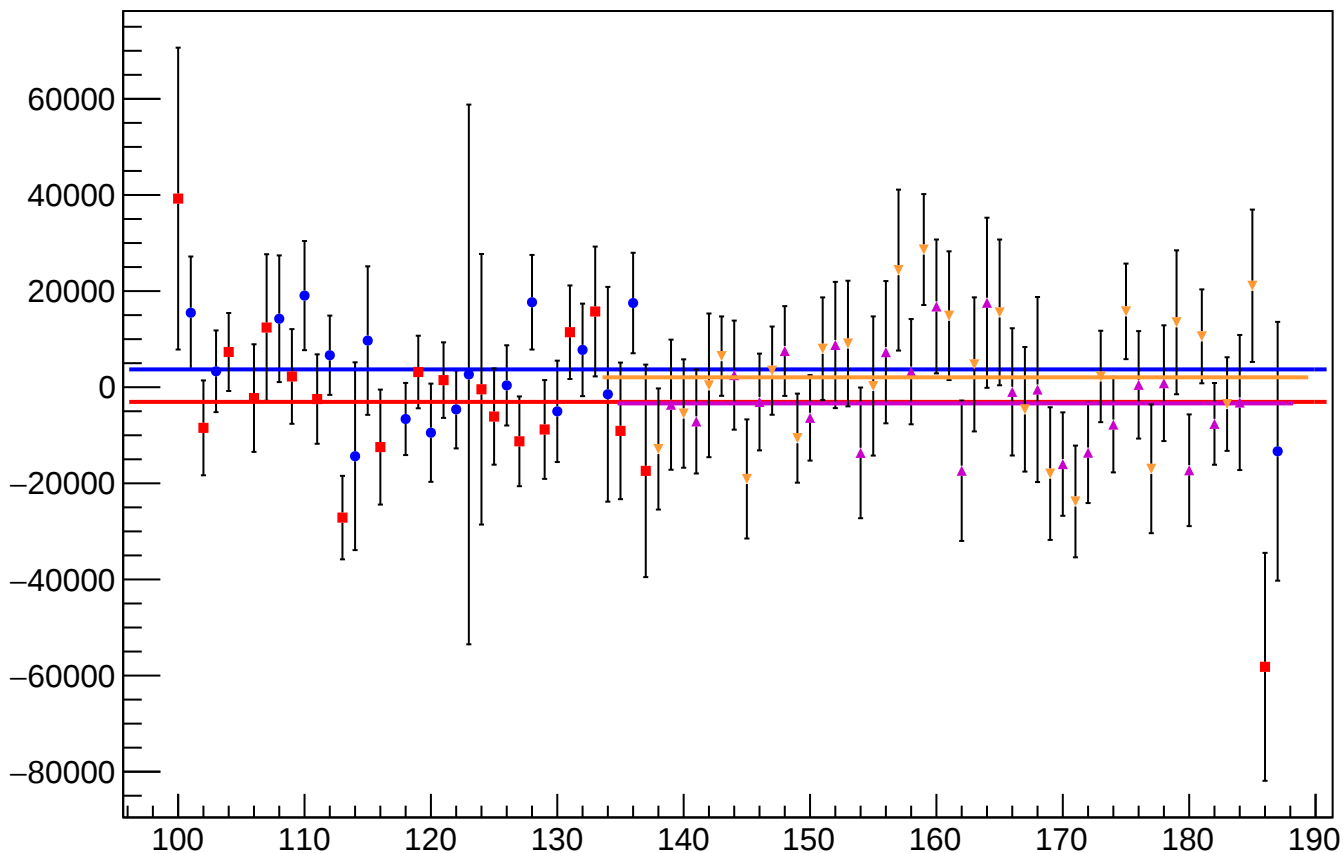
- sign 254.187 $\pm$ 666.065 χ^2 /NDF: 40.5/42

asym_atl2_correction_rms vs Slug



Right In: 1340.390+/-0.745	χ^2/NDF : 10255819.3/17	+ sign 1964.834+/-0.511	χ^2/NDF : 35223812.8/42
Left Out: 2519.359+/-0.702	χ^2/NDF : 23642118.3/24	All: 1716.334+/-0.346	χ^2/NDF : 74882171.1/8
Right Out: 791.844+/-0.491	χ^2/NDF : 12083748.3/19	- sign 1505.268+/-0.471	χ^2/NDF : 39221075.6/42
Left In: 9533.563+/-1.649	χ^2/NDF : 1316640.0/22		

asym_atl2_mean vs Slug



Right In: 3706.363+/-2531.833 χ^2/NDF : 14.5/17

Left Out: 2055.950+/-2333.494 χ^2/NDF : 30.7/24

Right Out: -3052.127+/-2414.349 χ^2/NDF : 25.7/19

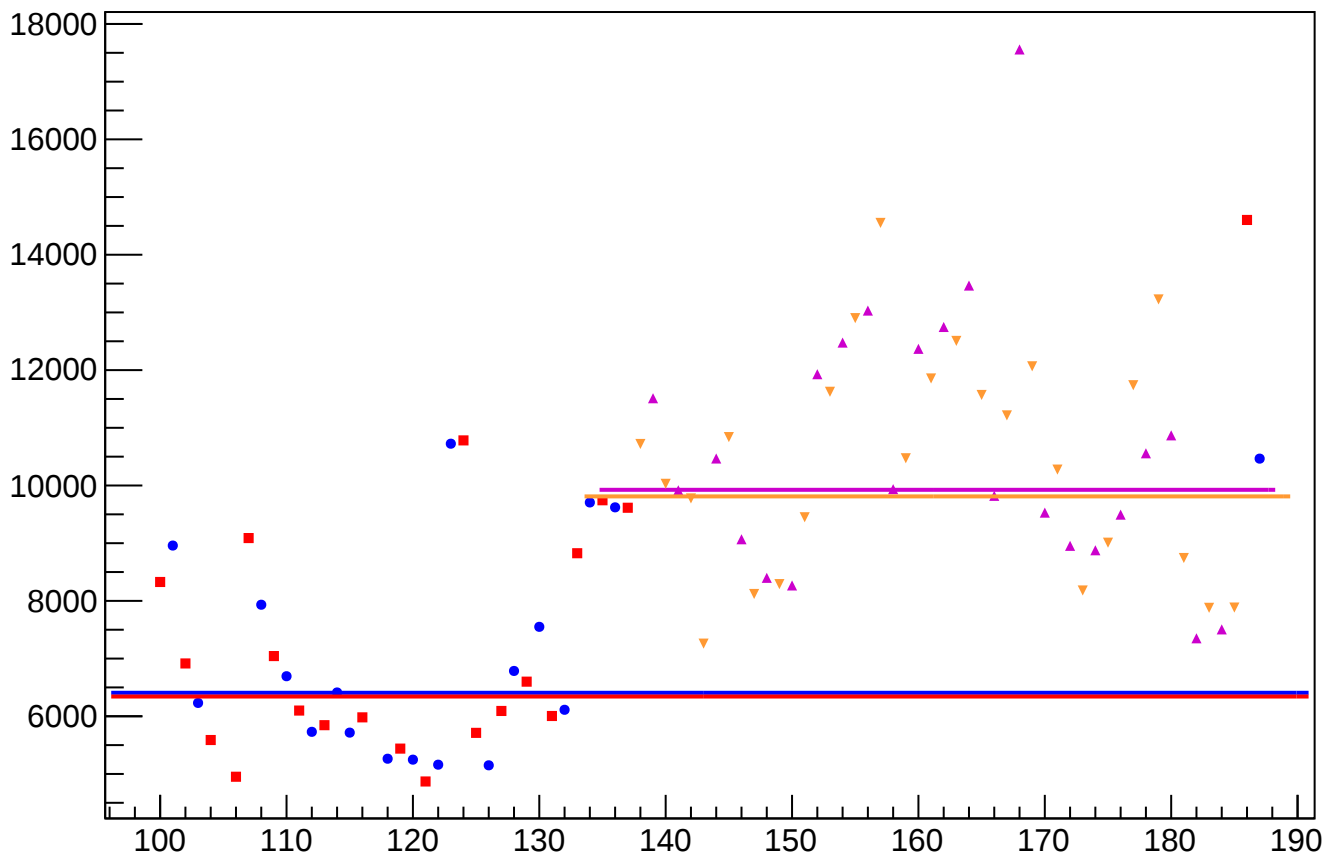
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 2813.988+/-1715.869 χ^2/NDF : 45.4/42

All: -208.454+/-1211.342 χ^2/NDF : 90.5/85

- sign -3211.441+/-1710.338 χ^2/NDF : 38.9/42

asym_atl2_rms vs Slug



Right In: 6407.147+/-1.790 χ^2/NDF : 624577.7/17

Left Out: 9811.053+/-1.650 χ^2/NDF : 1213831.0/24

Right Out: 6342.087+/-1.707 χ^2/NDF : 777984.3/19

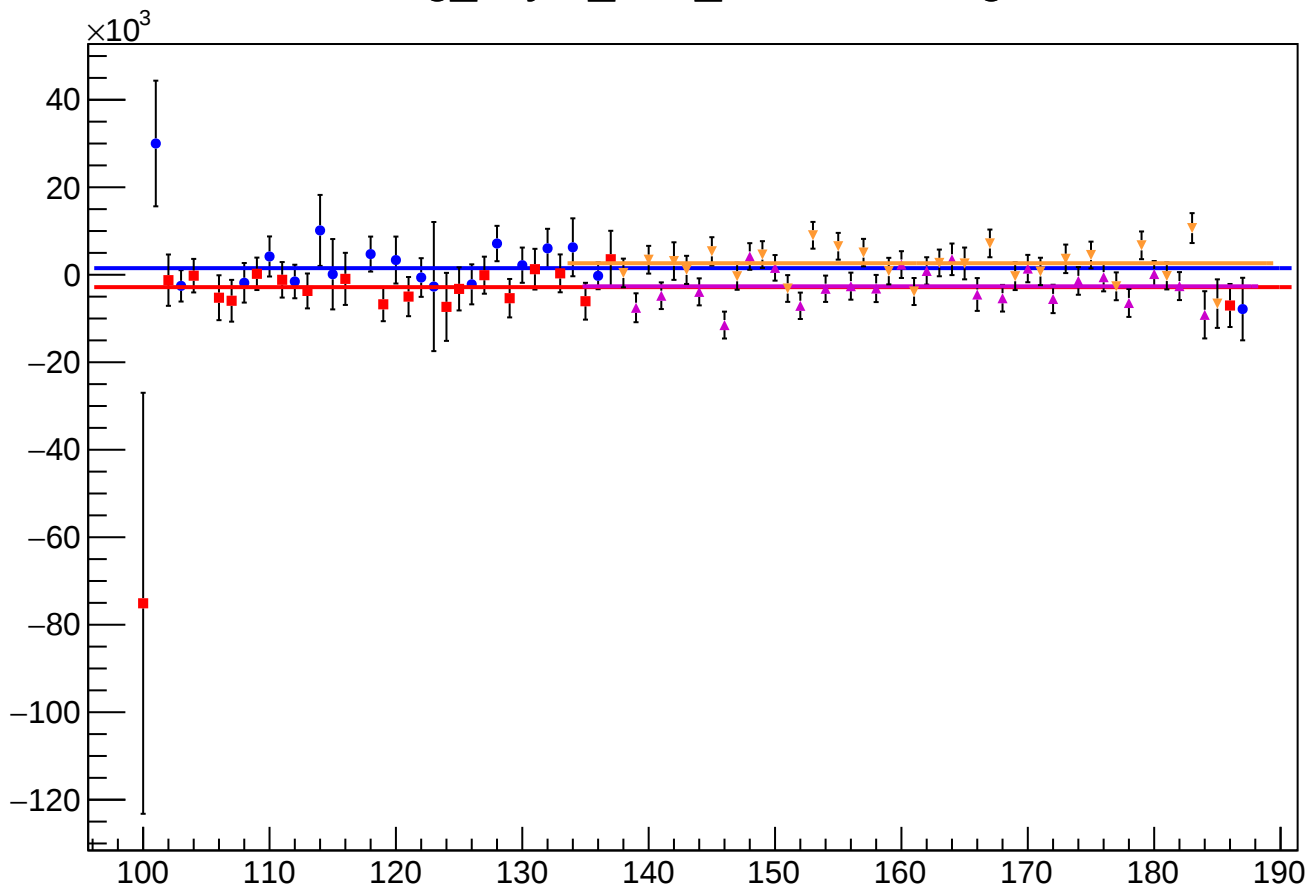
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

+ sign 8247.624+/-1.213 χ^2/NDF : 3793071.9/42

All: 8187.138+/-0.857 χ^2/NDF : 7982260.8/85

- sign 8127.043+/-1.209 χ^2/NDF : 4184234.4/42

reg_asym_atr1_mean vs Slug



Right In: 1511.317 $\pm$ 1117.395 χ^2 /NDF: 15.2/17

Left Out: 2635.833 $\pm$ 646.121 χ^2 /NDF:35.1/24

Right Out: -2829.049 $\pm$ 1049.804 χ^2 /NDF: 10.4/19

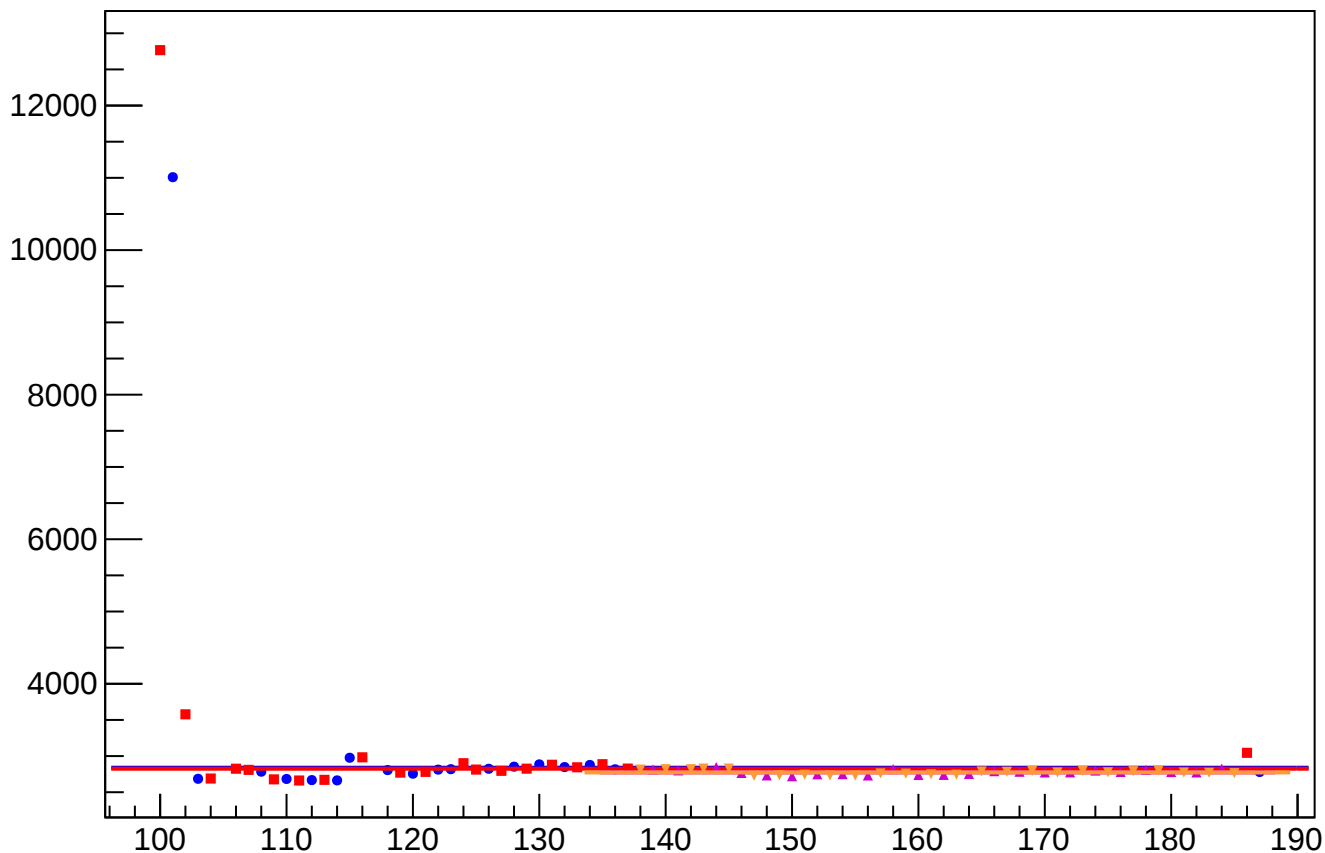
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2354.055 $\pm$ 559.342 χ^2 /NDF: 51.0/42

All: -159.732 $\pm$ 396.280 χ^2 /NDF: 137.2/85

- sign -2693.091 $\pm$ 561.515 χ^2 /NDF: 45.6/42

reg_asym_atr1_rms vs Slug



Right In: 2838.844+/-0.790 χ^2/NDF : 660270.4/17

Left Out: 2773.713+/-0.457 χ^2/NDF : 4616.5/24

Right Out: 2825.128+/-0.742 χ^2/NDF : 137234.2/19

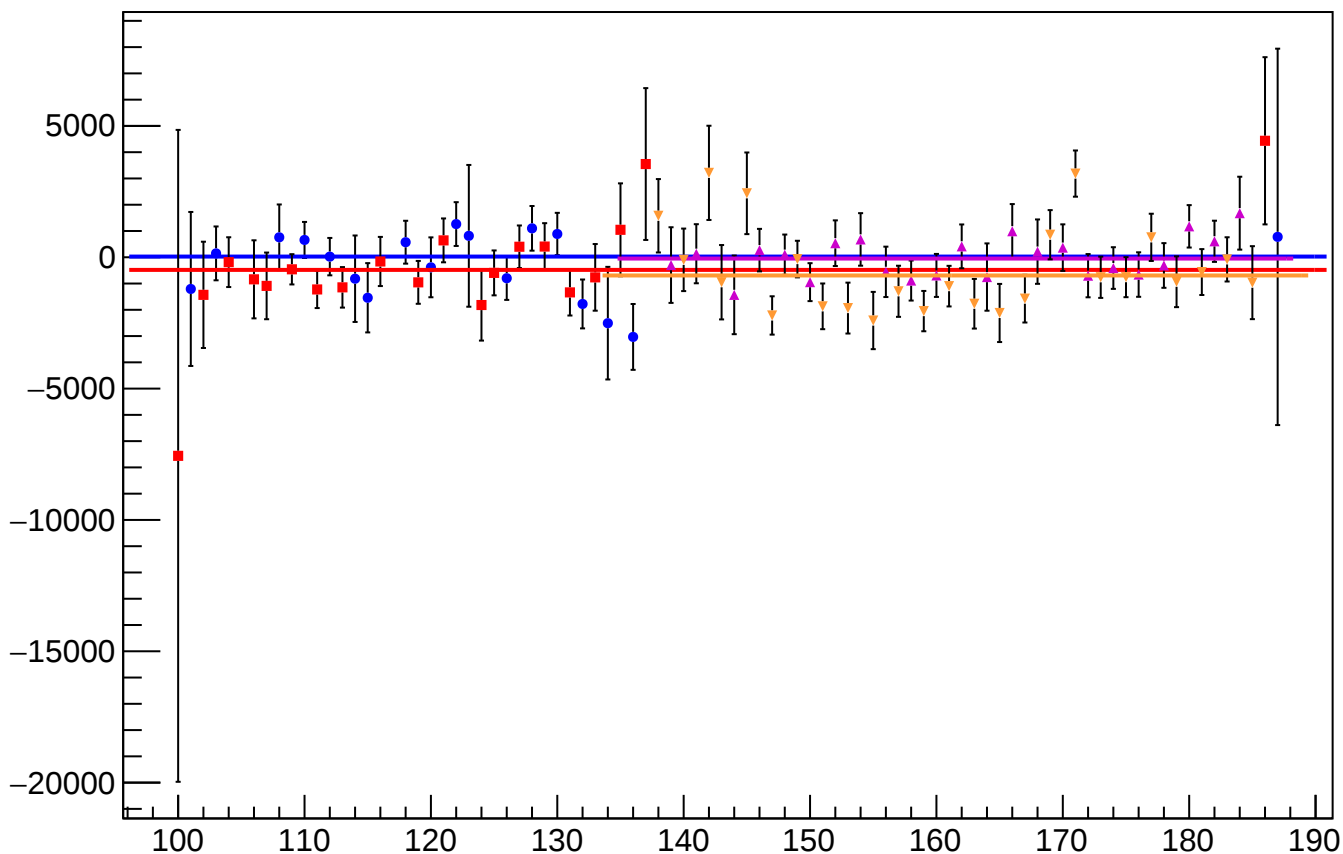
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2790.034+/-0.396 χ^2/NDF : 669979.2/42

All: 2789.346+/-0.280 χ^2/NDF : 815586.7/85

- sign 2788.653+/-0.397 χ^2/NDF : 145601.4/42

asym_atr1_correction_mean vs Slug



Right In: 26.602 ± 242.317 χ^2/NDF : 20.8/17

Left Out: -692.808 ± 187.297 χ^2/NDF : 56.0/24

Right Out: -480.988 ± 221.640 χ^2/NDF : 14.3/19

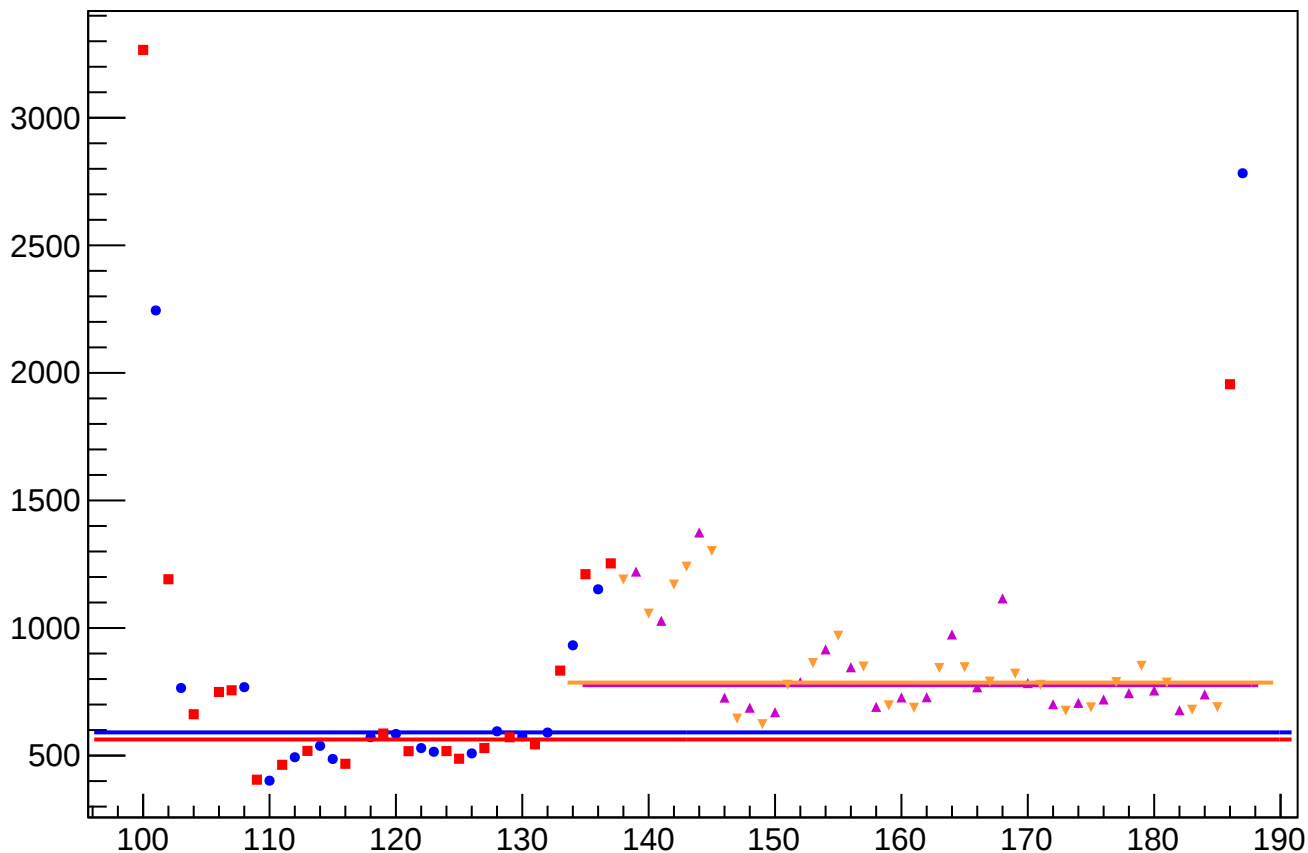
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -423.749 ± 148.190 χ^2/NDF : 82.3/42

All: -324.657 ± 103.234 χ^2/NDF : 113.3/85

- sign -231.225 ± 143.896 χ^2/NDF : 30.1/42

asym_atr1_correction_rms vs Slug



Right In: 590.891+/-0.171 χ^2/NDF : 1611298.7/17

Left Out: 786.173+/-0.132 χ^2/NDF : 1249536.1/24

Right Out: 563.067+/-0.157 χ^2/NDF : 1489556.3/19

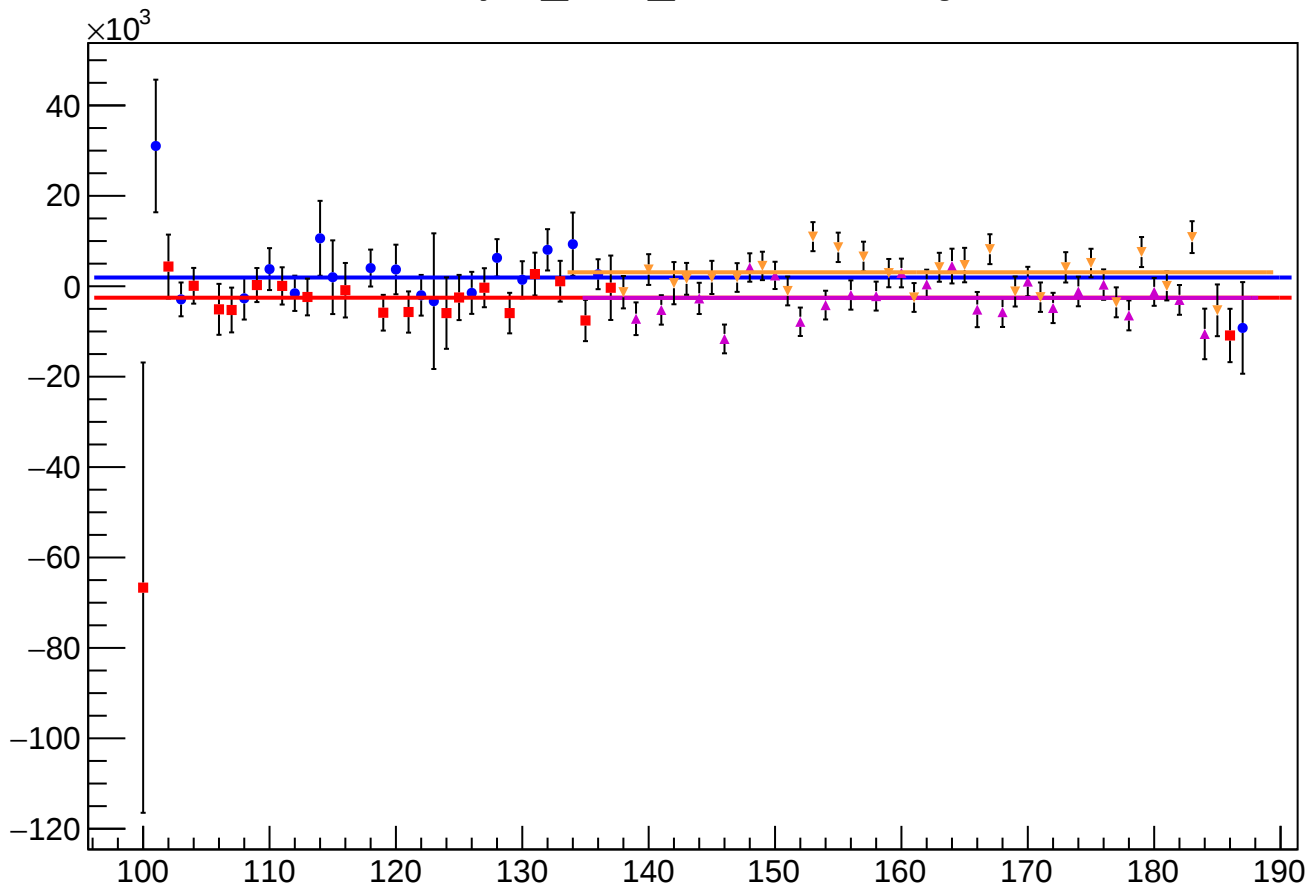
Left In: 775.930+/-0.134 χ^2/NDF : 1056766.5/22

+ sign 713.138+/-0.105 χ^2/NDF : 3673976.2/42

All: 699.277+/-0.073 χ^2/NDF : 7321463.2/85

- sign 686.208+/-0.102 χ^2/NDF : 3613493.5/42

asym_atr1_mean vs Slug



Right In: 1935.057 $\pm$ 1159.614 χ^2 /NDF: 15.7/17

Left Out: 3094.826 $\pm$ 678.510 χ^2 /NDF: 38.7/24

Right Out: -2531.723 $\pm$ 1093.758 χ^2 /NDF: 12.0/19

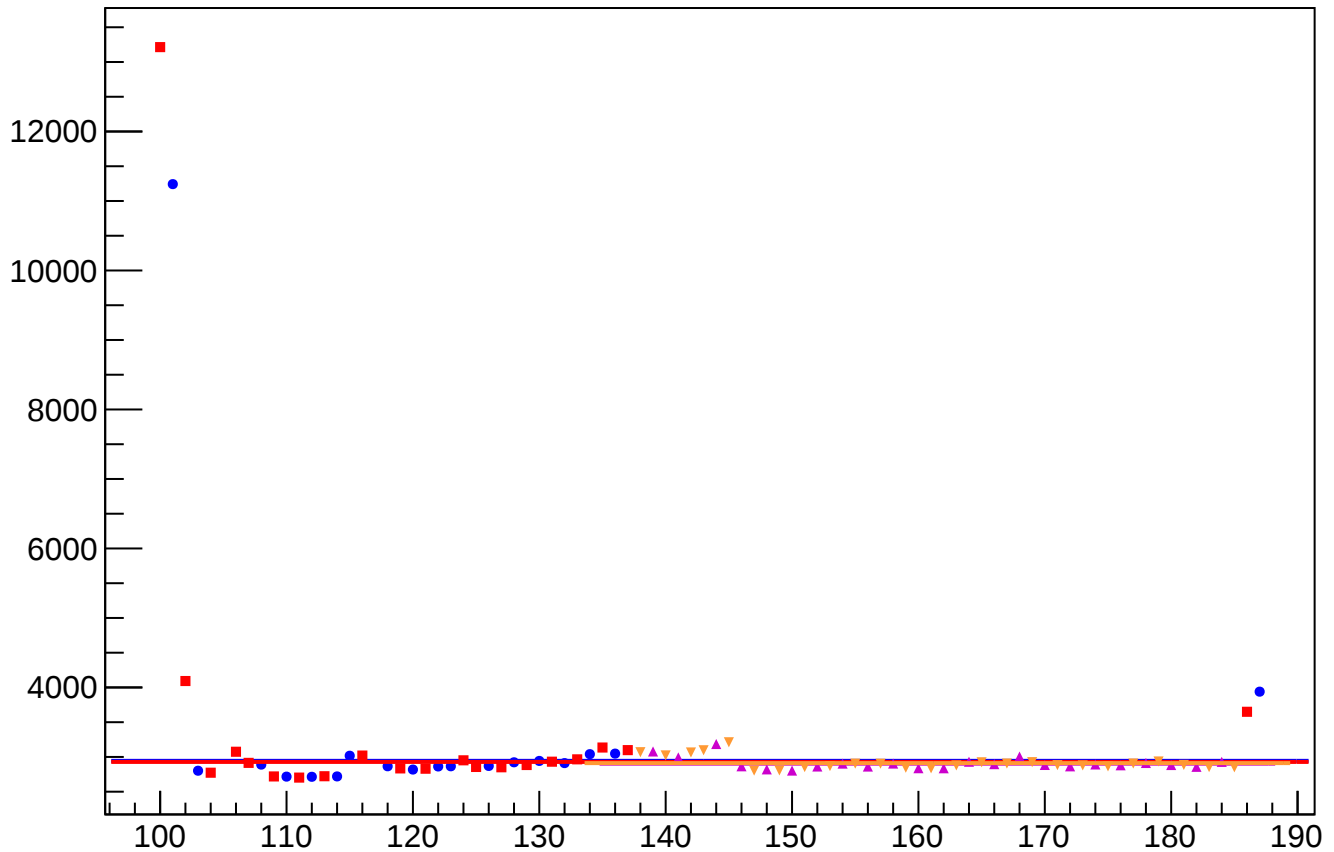
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF: 35.7/22

+ sign 2799.033 $\pm$ 585.628 χ^2 /NDF: 55.1/42

All: 125.498 $\pm$ 414.611 χ^2 /NDF: 144.6/85

- sign -2561.239 $\pm$ 587.072 χ^2 /NDF: 47.7/42

asym_atr1_rms vs Slug



Right In: 2943.773 $\pm$ 0.820 χ^2 /NDF: 681669.3/17

Left Out: 2911.226 $\pm$ 0.480 χ^2 /NDF: 36644.3/24

Right Out: 2928.434 $\pm$ 0.773 χ^2 /NDF: 200395.5/19

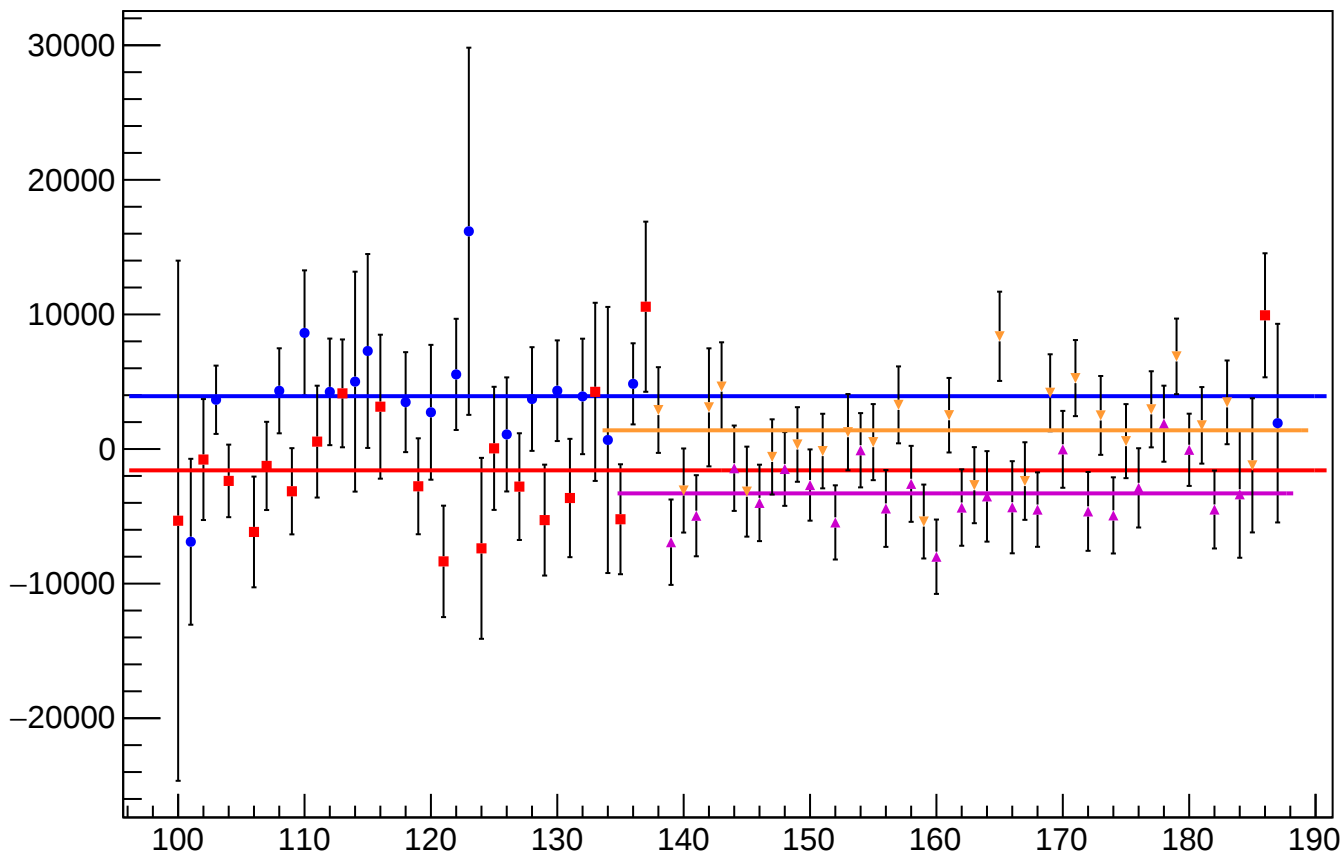
Left In: 2903.411 $\pm$ 0.492 χ^2 /NDF: 28838.5/22

+ sign 2919.527 $\pm$ 0.414 χ^2 /NDF: 719487.4/42

All: 2915.084 $\pm$ 0.293 χ^2 /NDF: 949697.4/85

- sign 2910.620 $\pm$ 0.415 χ^2 /NDF: 229979.3/42

reg_asym_atr2_mean vs Slug



Right In: 3926.262+/-1004.999 χ^2/NDF : 6.1/17

Left Out: 1390.275+/-596.516 χ^2/NDF : 29.2/24

Right Out: -1584.905+/-940.358 χ^2/NDF : 21.0/19

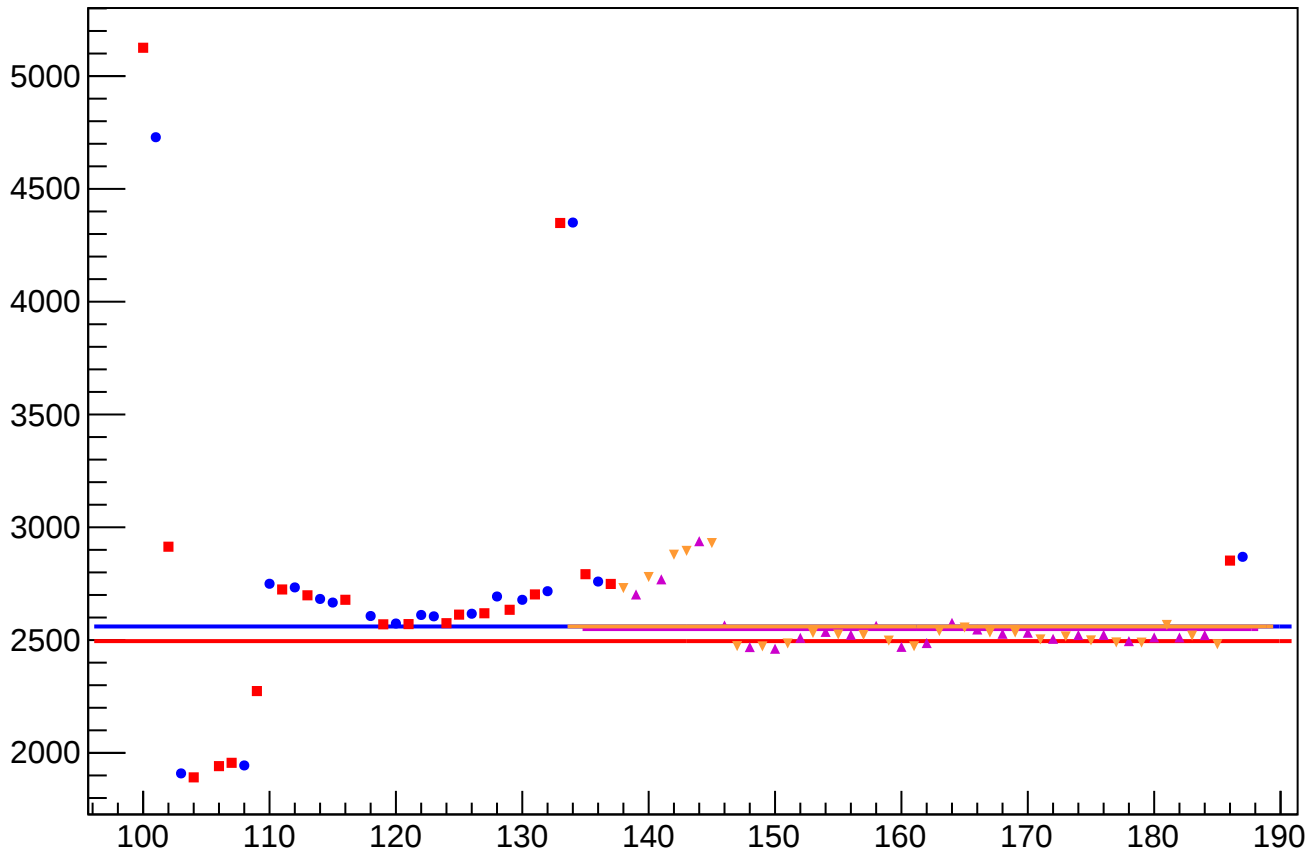
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2050.949+/-512.963 χ^2/NDF : 40.0/42

All: -374.638+/-362.291 χ^2/NDF : 122.8/85

- sign -2788.790+/-511.752 χ^2/NDF : 38.2/42

reg_asym_atr2_rms vs Slug



Right In: 2560.342 $\pm$ 0.711 χ^2 /NDF: 549338.7/17

Left Out: 2560.531 $\pm$ 0.422 χ^2 /NDF: 86771.4/24

+ sign 2560.482 $\pm$ 0.363 χ^2 /NDF: 636110.2/42

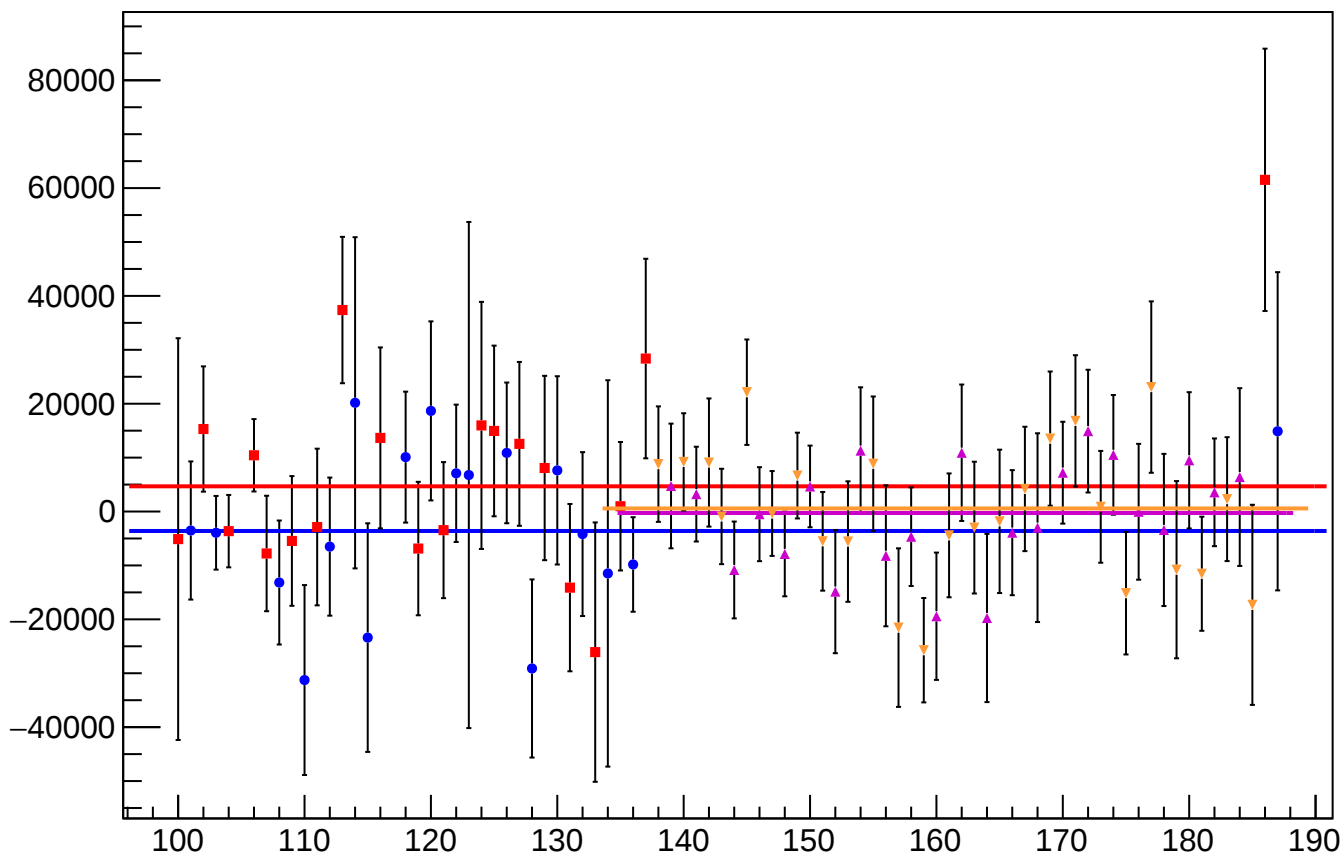
Right Out: 2495.463 $\pm$ 0.665 χ^2 /NDF: 462831.7/19

All: 2546.735 $\pm$ 0.256 χ^2 /NDF: 1161614.7/85

- sign 2533.053 $\pm$ 0.362 χ^2 /NDF: 522638.4/42

Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

asym_atr2_correction_mean vs Slug



Right In: -3608.051 ± 3214.909 χ^2/NDF : 13.5/17

Left Out: 572.477 ± 2184.376 χ^2/NDF : 28.2/24

Right Out: 4675.713 ± 2819.178 χ^2/NDF : 24.1/19

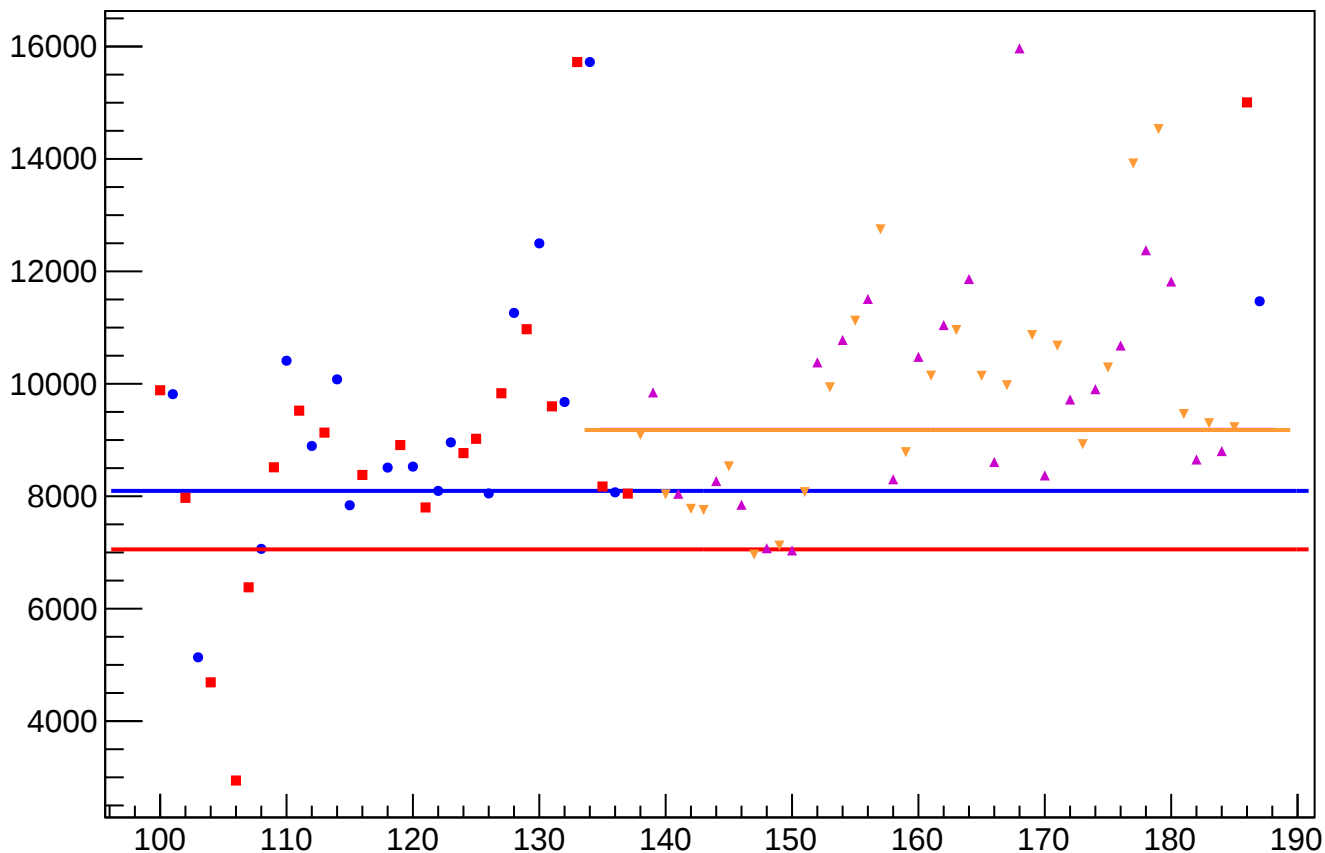
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -747.917 ± 1806.779 χ^2/NDF : 42.9/42

All: 482.615 ± 1258.936 χ^2/NDF : 85.5/85

- sign 1643.829 ± 1755.152 χ^2/NDF : 41.7/42

asym_atr2_correction_rms vs Slug



Right In: 8095.353+/-2.273 χ^2/NDF : 821770.1/17

Left Out: 9177.688+/-1.545 χ^2/NDF : 1176195.8/24

Right Out: 7054.907+/-1.993 χ^2/NDF : 1993113.0/19

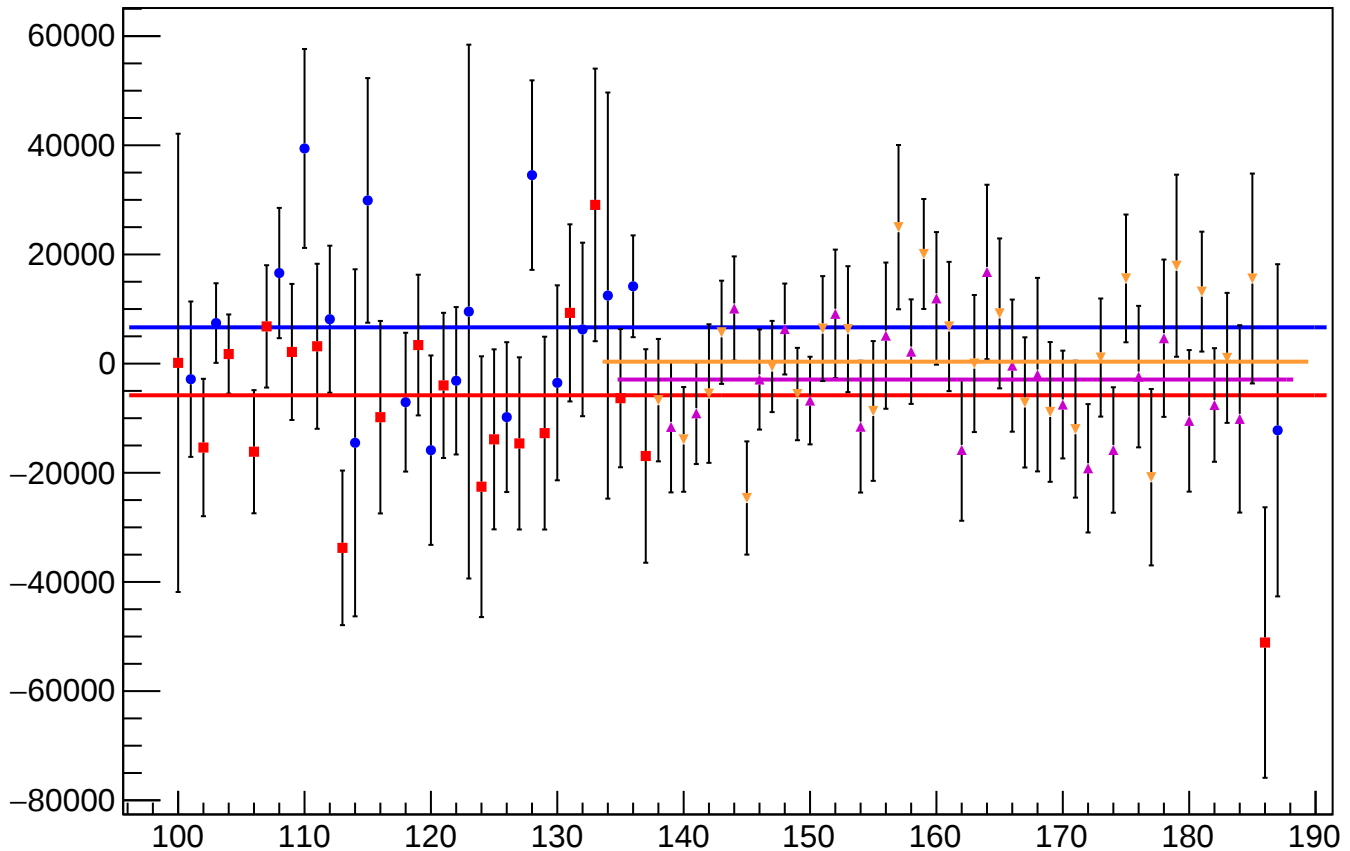
Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

+ sign 8835.839+/-1.278 χ^2/NDF : 2153051.3/42

All: 8589.522+/-0.890 χ^2/NDF : 6151650.3/85

- sign 8357.080+/-1.241 χ^2/NDF : 3926350.1/42

asym_atr2_mean vs Slug



Right In: 6648.810 $\pm$ 3396.339 χ^2 /NDF: 14.7/17

Left Out: 355.717 $\pm$ 2281.682 χ^2 /NDF: 26.2/24

Right Out: -5801.956 $\pm$ 3147.597 χ^2 /NDF: 16.7/19

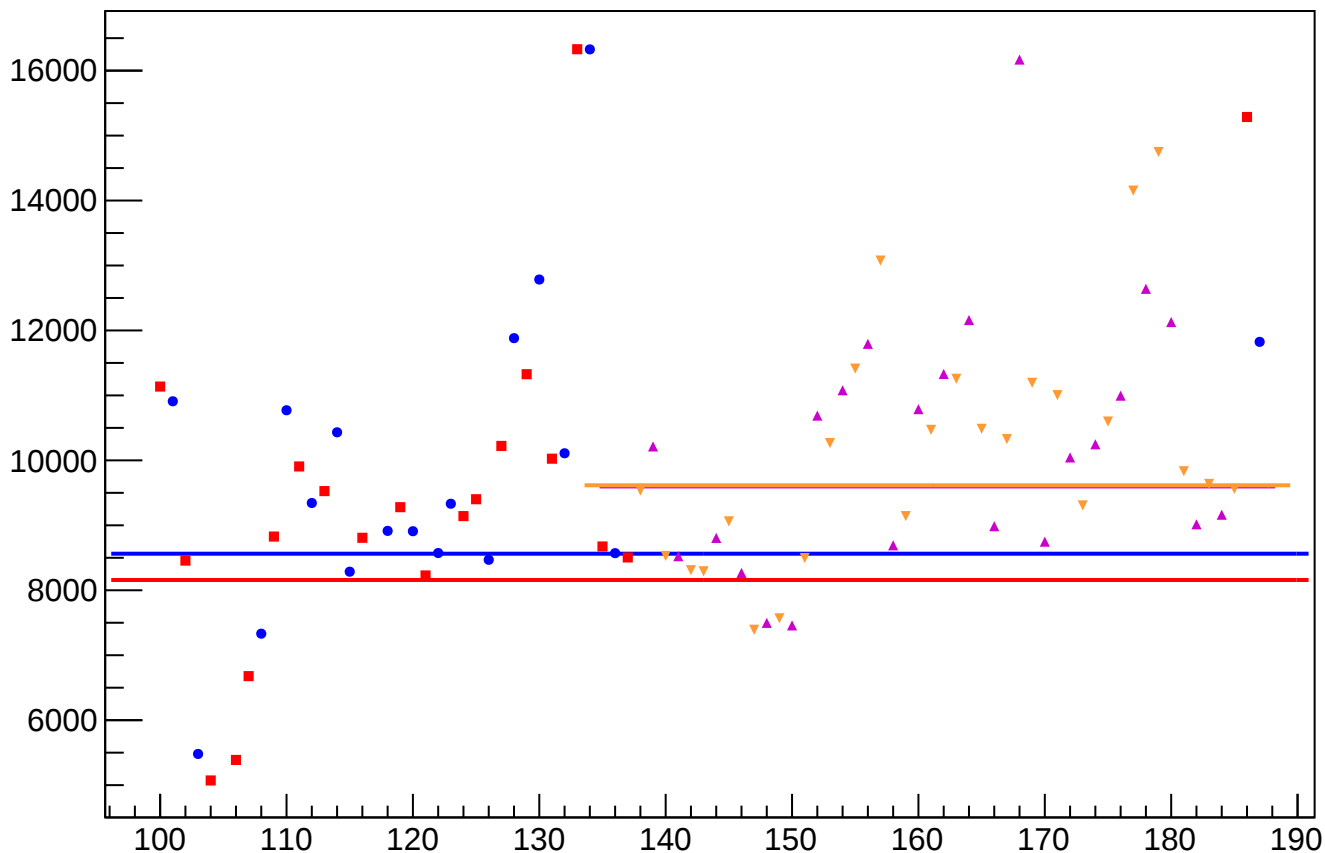
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 2312.705 $\pm$ 1893.970 χ^2 /NDF: 43.3/42

All: -843.565 $\pm$ 1333.240 χ^2 /NDF: 81.0/85

- sign -3943.910 $\pm$ 1877.115 χ^2 /NDF: 32.2/42

asym_atr2_rms vs Slug



Right In: 8562.976 $\pm$ 2.402 χ^2 /NDF: 793137.1/17

Left Out: 9616.245 $\pm$ 1.613 χ^2 /NDF:1011665.6/24

Right Out: 8158.433 $\pm$ 2.226 χ^2 /NDF: 1121466.2/19

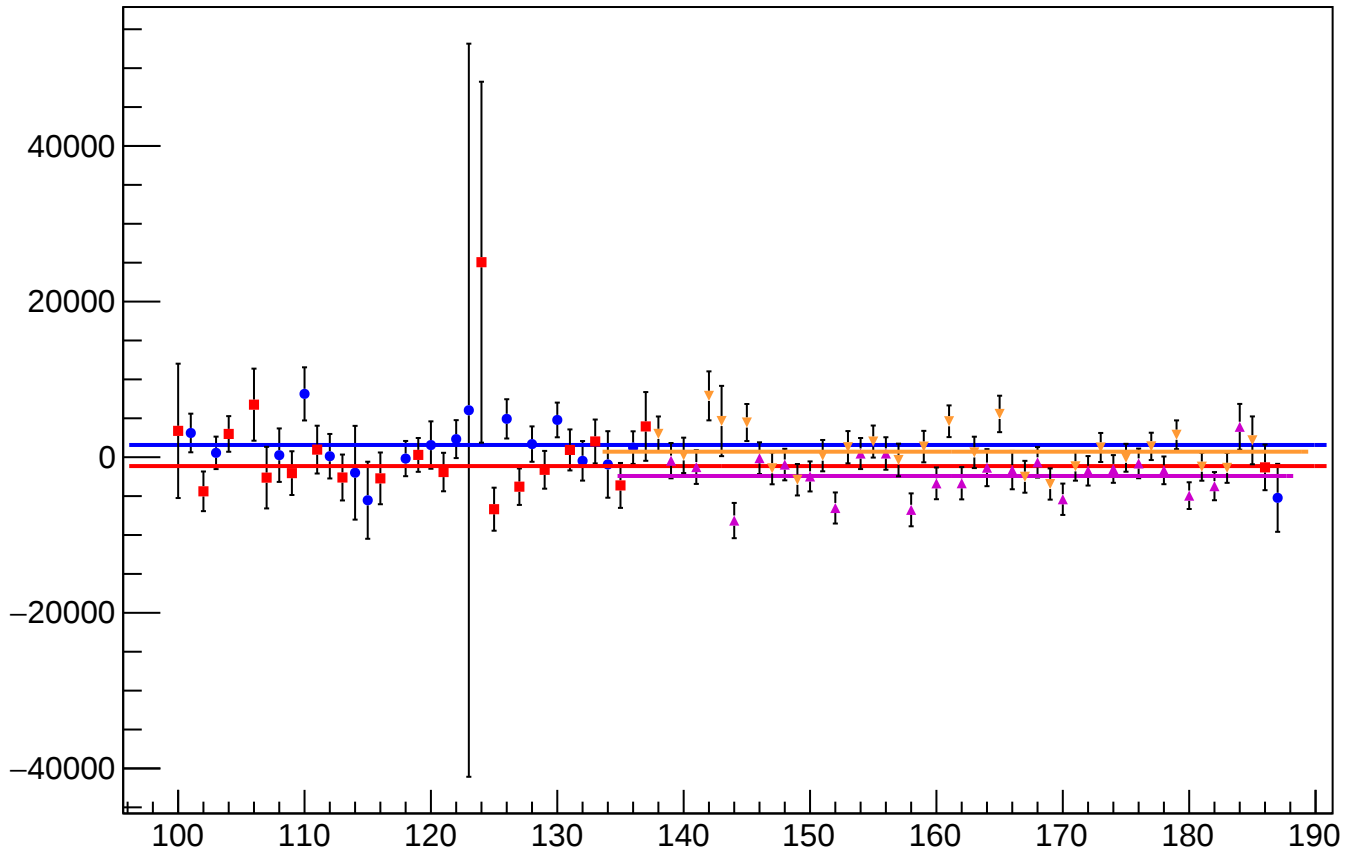
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9288.706 $\pm$ 1.339 χ^2 /NDF: 1937335.3/42

All: 9186.615 $\pm$ 0.943 χ^2 /NDF: 4422264.1/85

- sign 9086.336 $\pm$ 1.327 χ^2 /NDF: 2473409.8/42

reg_asym_atl_avg_mean vs Slug



Right In: 1572.332 $\pm$ 664.298 χ^2 /NDF: 15.1/17

Left Out: 709.722 $\pm$ 417.377 χ^2 /NDF:34.8/24

Right Out: -1140.480 $\pm$ 656.050 χ^2 /NDF: 20.3/19

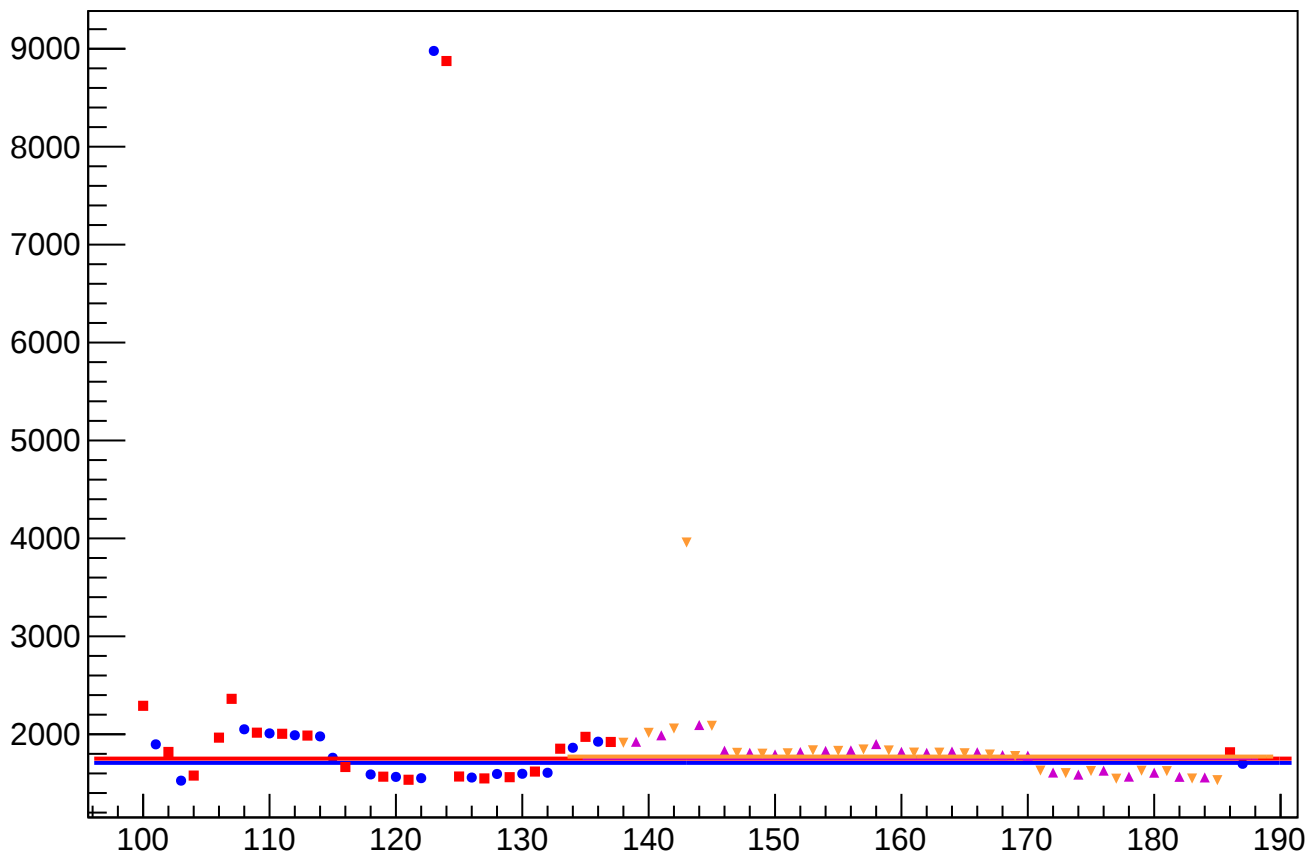
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 953.867 $\pm$ 353.410 χ^2 /NDF: 51.2/42

All: -533.012 $\pm$ 250.736 χ^2 /NDF: 143.8/85

- sign -2039.973 $\pm$ 355.789 χ^2 /NDF: 57.0/42

reg_asym_atl_avg_rms vs Slug



Right In: 1707.967+/-0.470 χ^2/NDF : 195793.4/17

Left Out: 1772.046+/-0.295 χ^2/NDF : 702472.4/24

Right Out: 1751.433+/-0.462 χ^2/NDF : 397373.1/19

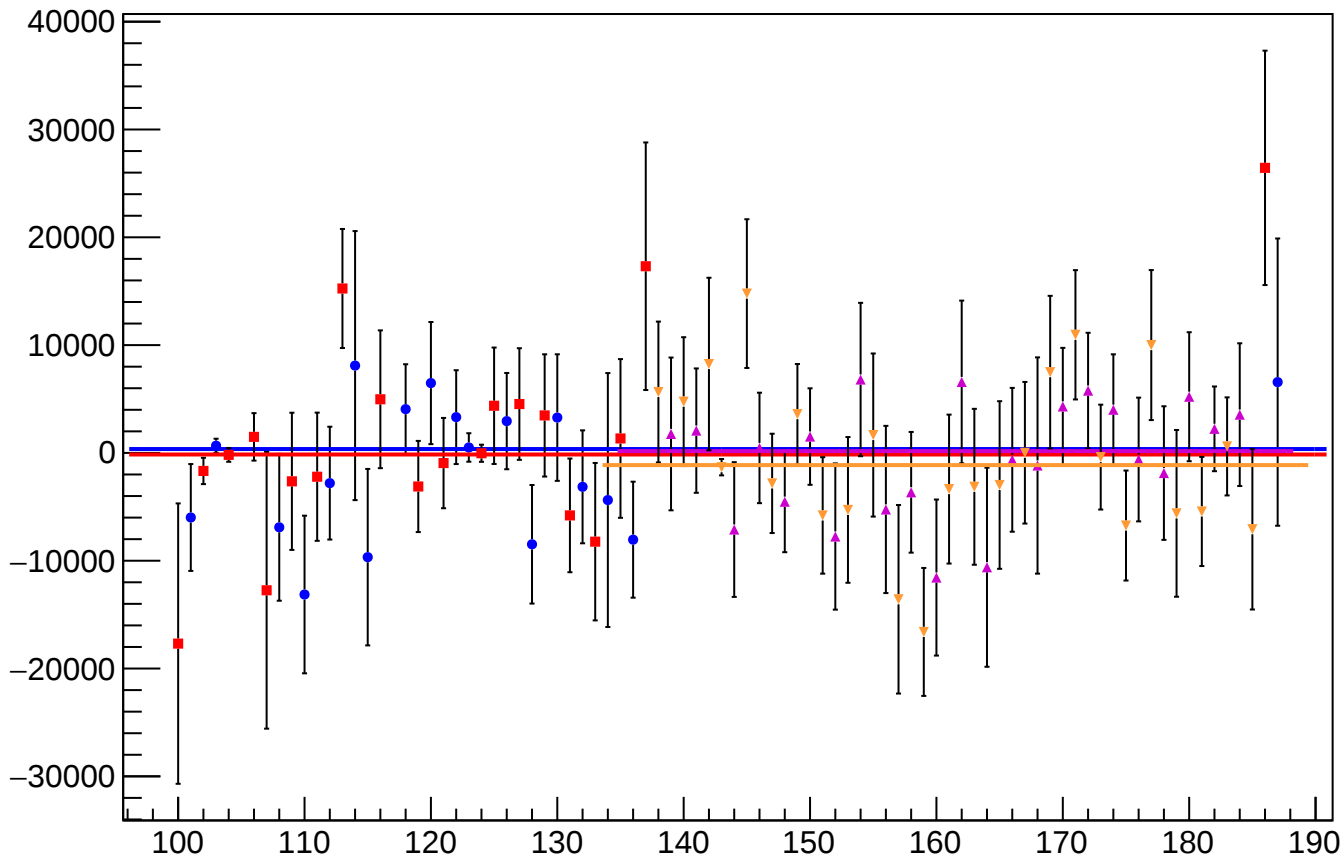
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1753.910+/-0.250 χ^2/NDF : 911608.0/42

All: 1755.537+/-0.177 χ^2/NDF : 1524178.1/85

- sign 1757.183+/-0.251 χ^2/NDF : 612484.7/42

asym_atl_avg_correction_mean vs Slug



Right In: 360.825 ± 540.220 χ^2/NDF : 17.5/17

Left Out: -1129.807 ± 647.600 χ^2/NDF : 31.5/24

Right Out: -145.898 ± 433.328 χ^2/NDF : 26.8/19

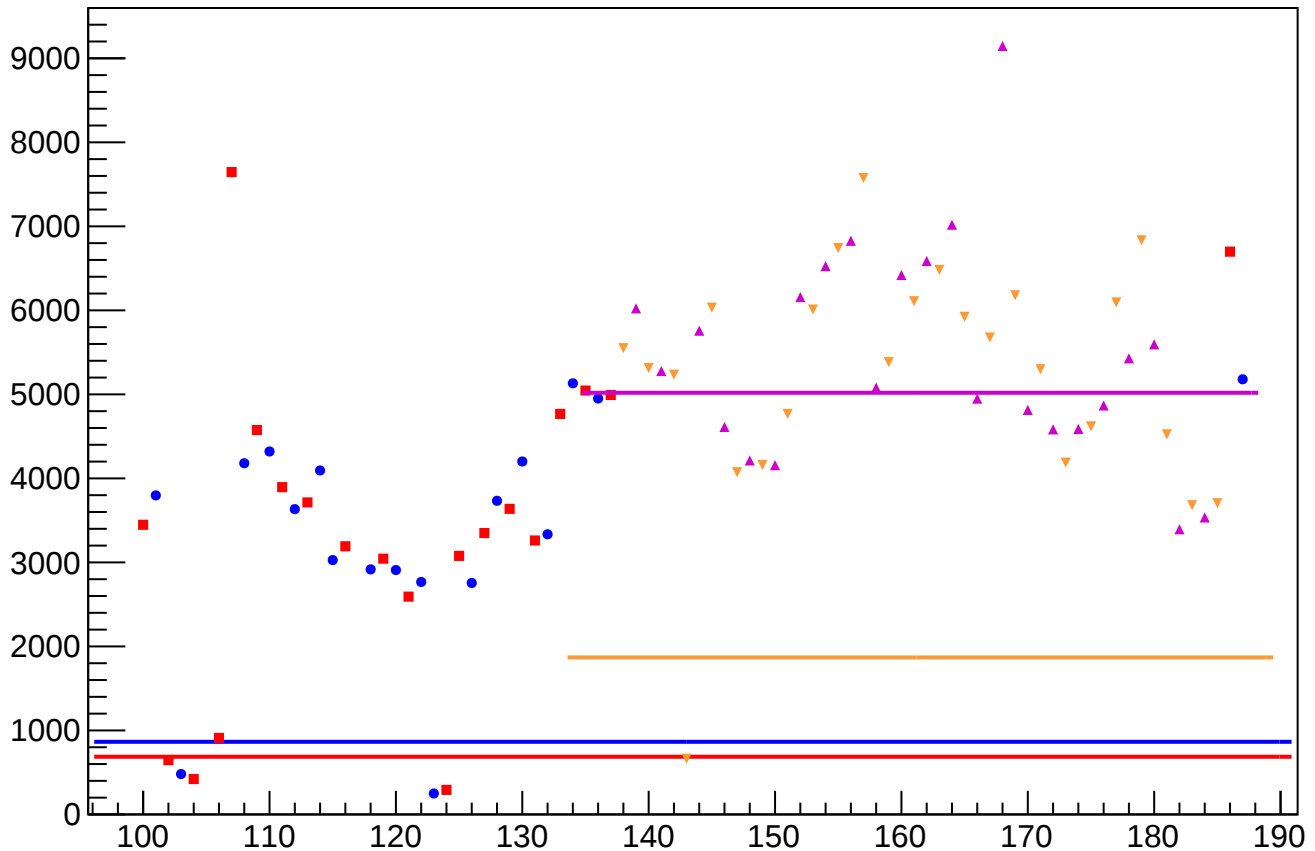
Left In: 168.182 ± 1232.411 χ^2/NDF : 14.2/22

+ sign -250.829 ± 414.834 χ^2/NDF : 52.2/42

All: -180.062 ± 291.173 χ^2/NDF : 93.2/85

- sign -111.341 ± 408.795 χ^2/NDF : 41.0/42

asym_atl_avg_correction_rms vs Slug



Right In: 864.894+/-0.382 χ^2/NDF : 8336440.9/17

Left Out: 1868.983+/-0.458 χ^2/NDF : 19852416.6/24

Right Out: 686.937+/-0.306 χ^2/NDF : 8970045.1/19

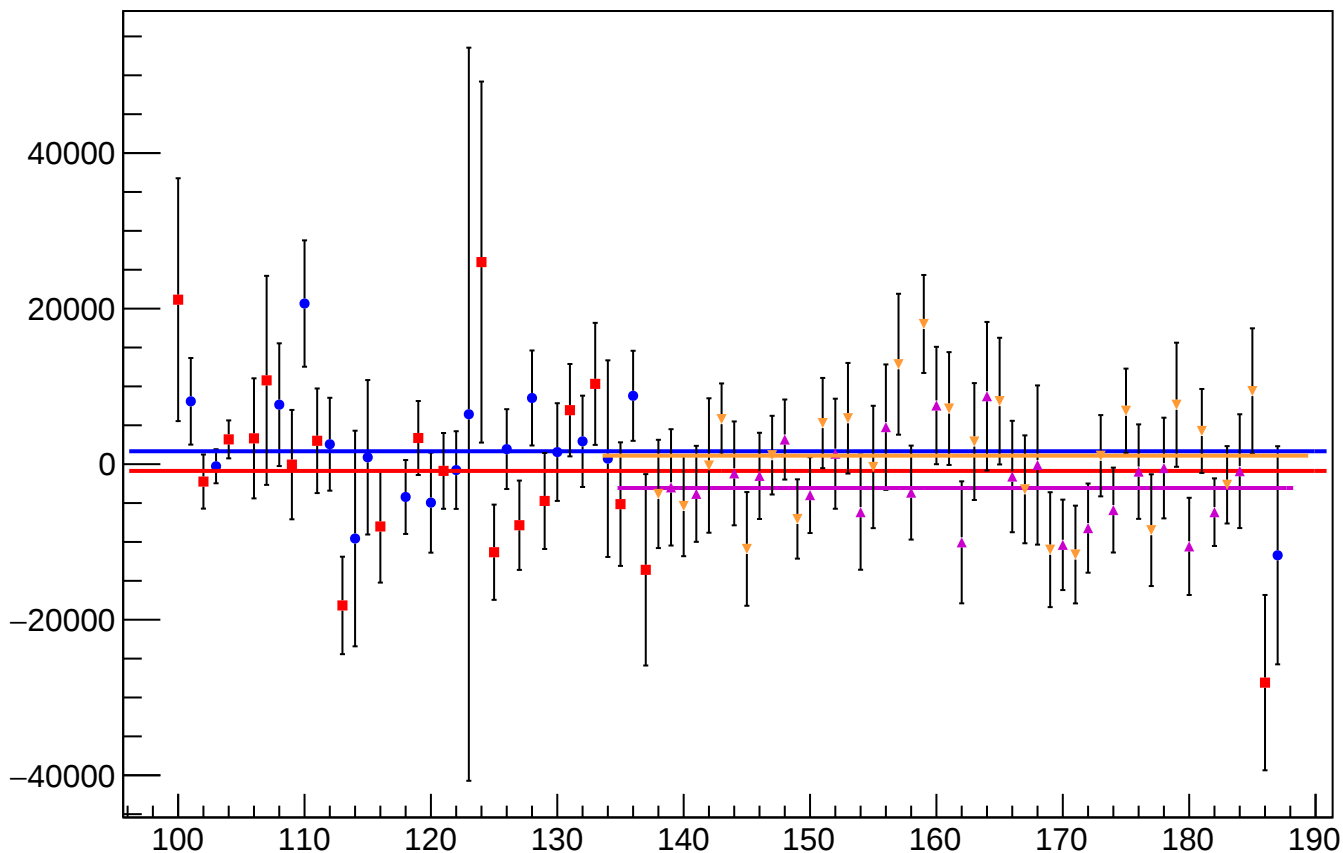
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1276.904+/-0.293 χ^2/NDF : 31023962.5/42

All: 1219.418+/-0.206 χ^2/NDF : 63632926.1/8

- sign 1163.594+/-0.289 χ^2/NDF : 32533261.2/42

asym_atl_avg_mean vs Slug



Right In: 1660.857 $\pm$ 1307.545 χ^2 /NDF: 15.4/17

Left Out: 1094.317 $\pm$ 1273.113 χ^2 /NDF:32.0/24

Right Out: -868.289 $\pm$ 1280.089 χ^2 /NDF: 32.8/19

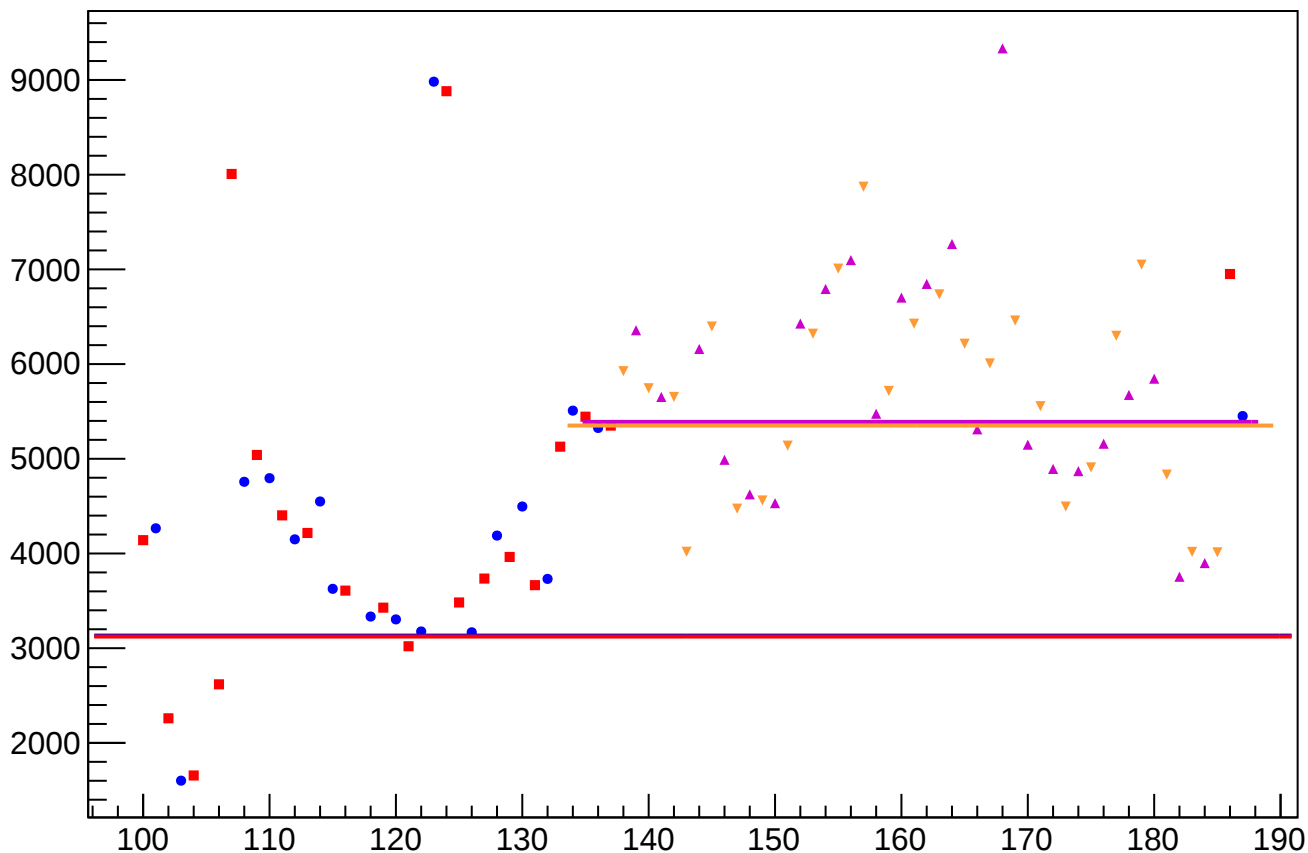
Left In: -3064.775 $\pm$ 1318.173 χ^2 /NDF:12.6/22

+ sign 1370.029 $\pm$ 912.157 χ^2 /NDF: 47.5/42

All: -271.016 $\pm$ 647.163 χ^2 /NDF: 100.8/85

- sign -1934.344 $\pm$ 918.328 χ^2 /NDF: 46.8/42

asym_atl_avg_rms vs Slug



Right In: 3132.928 $\pm$ 0.925 χ^2 /NDF: 1937714.0/17

Left Out: 5350.804 $\pm$ 0.900 χ^2 /NDF: 1241497.9/24

Right Out: 3122.919 $\pm$ 0.892 χ^2 /NDF: 2240688.5/19

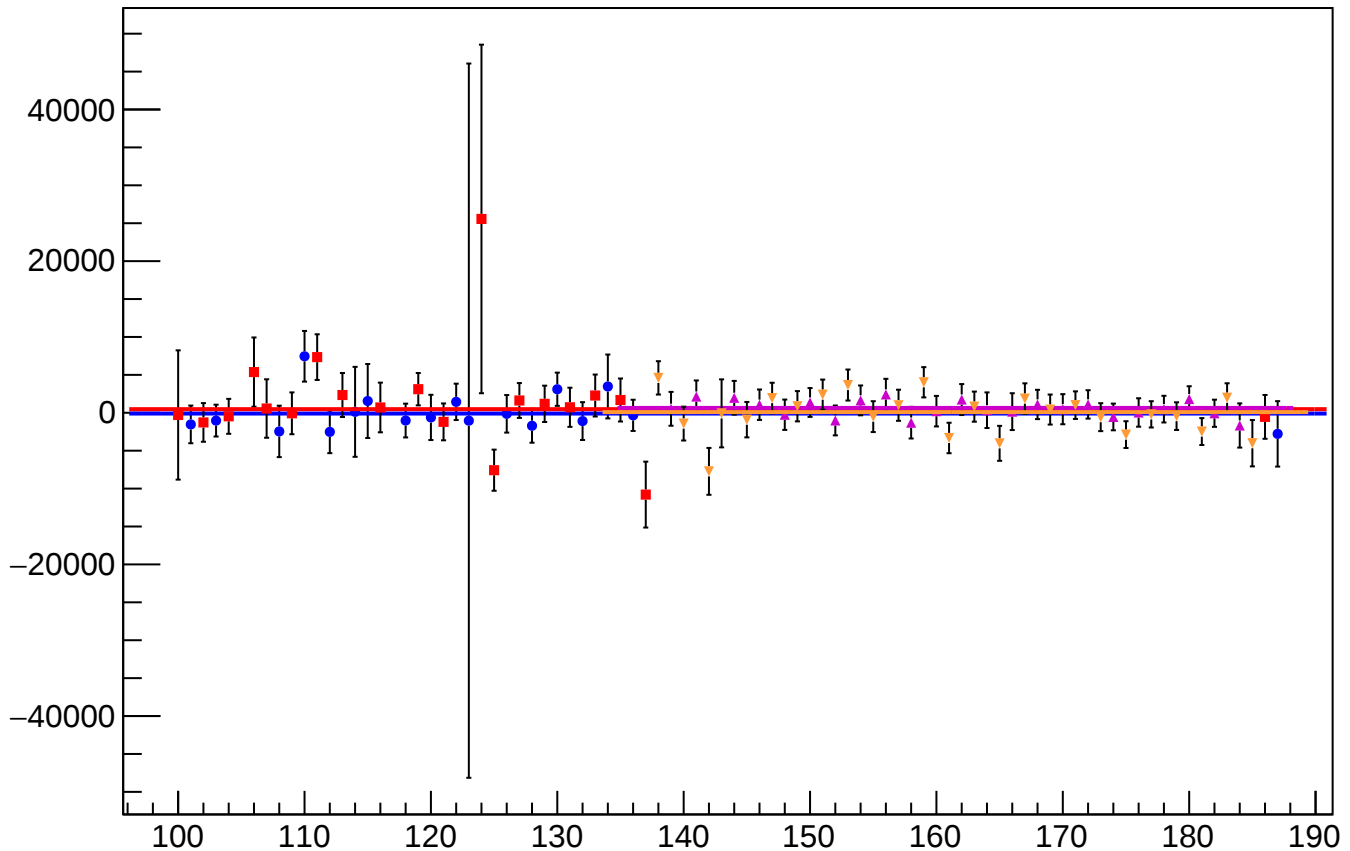
Left In: 5389.724 $\pm$ 0.932 χ^2 /NDF: 1309863.0/22

+ sign 4271.447 $\pm$ 0.645 χ^2 /NDF: 6133131.2/42

All: 4239.075 $\pm$ 0.456 χ^2 /NDF: 12775269.8/8

- sign 4206.751 $\pm$ 0.645 χ^2 /NDF: 6637104.3/42

reg_asym_atl_dd_mean vs Slug



Right In: -101.502 $\pm$ 655.155 χ^2 /NDF: 11.5/17

Left Out: 86.214 $\pm$ 411.530 χ^2 /NDF:36.0/24

Right Out: 476.623 $\pm$ 646.443 χ^2 /NDF: 27.2/19

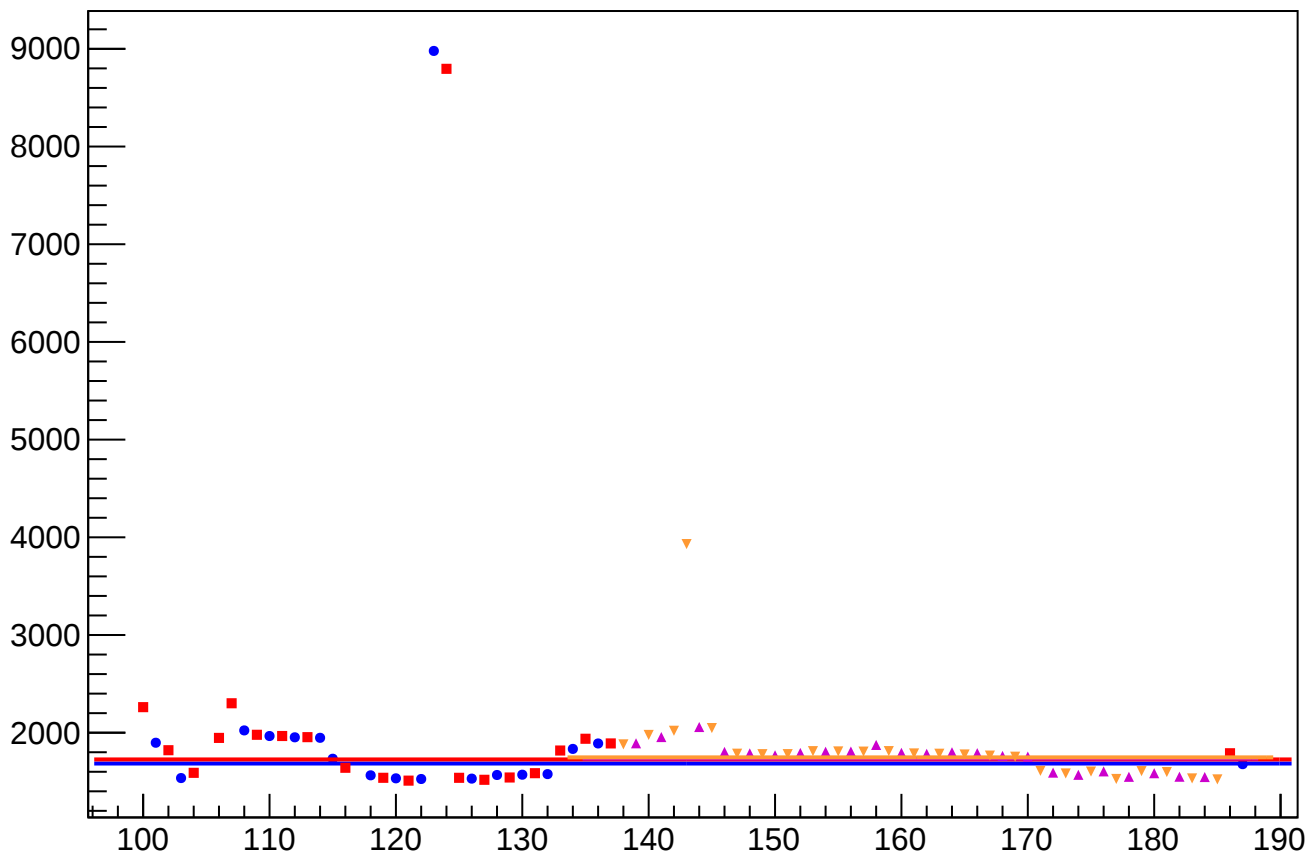
Left In: 640.235 $\pm$ 417.645 χ^2 /NDF:6.2/22

+ sign 33.104 $\pm$ 348.484 χ^2 /NDF: 47.6/42

All: 310.727 $\pm$ 247.231 χ^2 /NDF: 82.4/85

- sign 592.054 $\pm$ 350.801 χ^2 /NDF: 33.5/42

reg_asym_atl_dd_rms vs Slug



Right In: 1684.519 $\pm$ 0.463 χ^2 /NDF: 194023.7/17

Left Out: 1747.320 $\pm$ 0.291 χ^2 /NDF: 698192.3/24

Right Out: 1726.317 $\pm$ 0.455 χ^2 /NDF: 393557.1/19

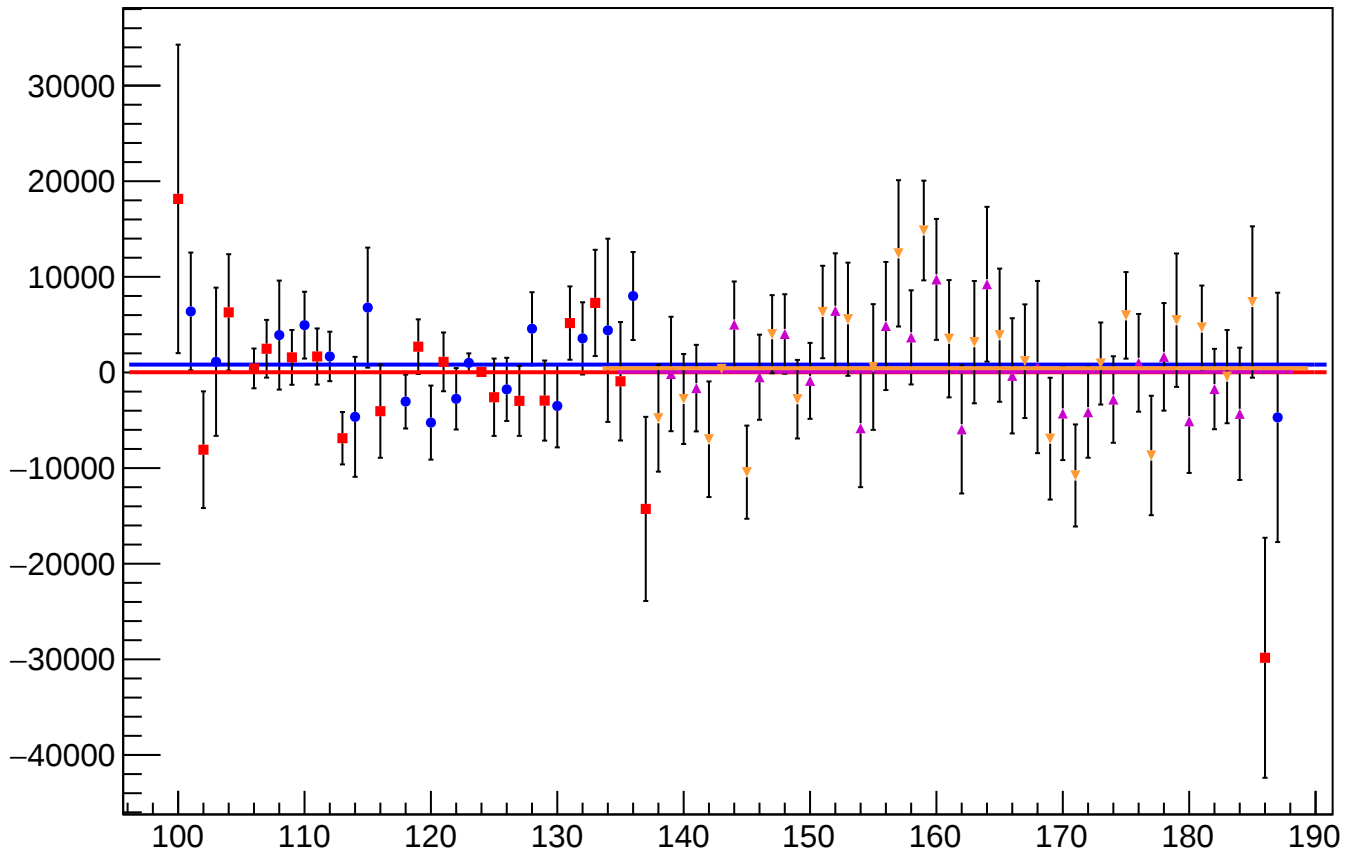
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1729.552 $\pm$ 0.246 χ^2 /NDF: 905393.9/42

All: 1731.171 $\pm$ 0.175 χ^2 /NDF: 1506093.5/85

- sign 1732.808 $\pm$ 0.248 χ^2 /NDF: 600612.7/42

asym_atl_dd_correction_mean vs Slug



Right In: 822.013+/-705.800 χ^2/NDF : 15.7/17

Left Out: 442.187+/-440.335 χ^2/NDF : 33.9/24

Right Out: 23.336+/-357.163 χ^2/NDF : 26.4/19

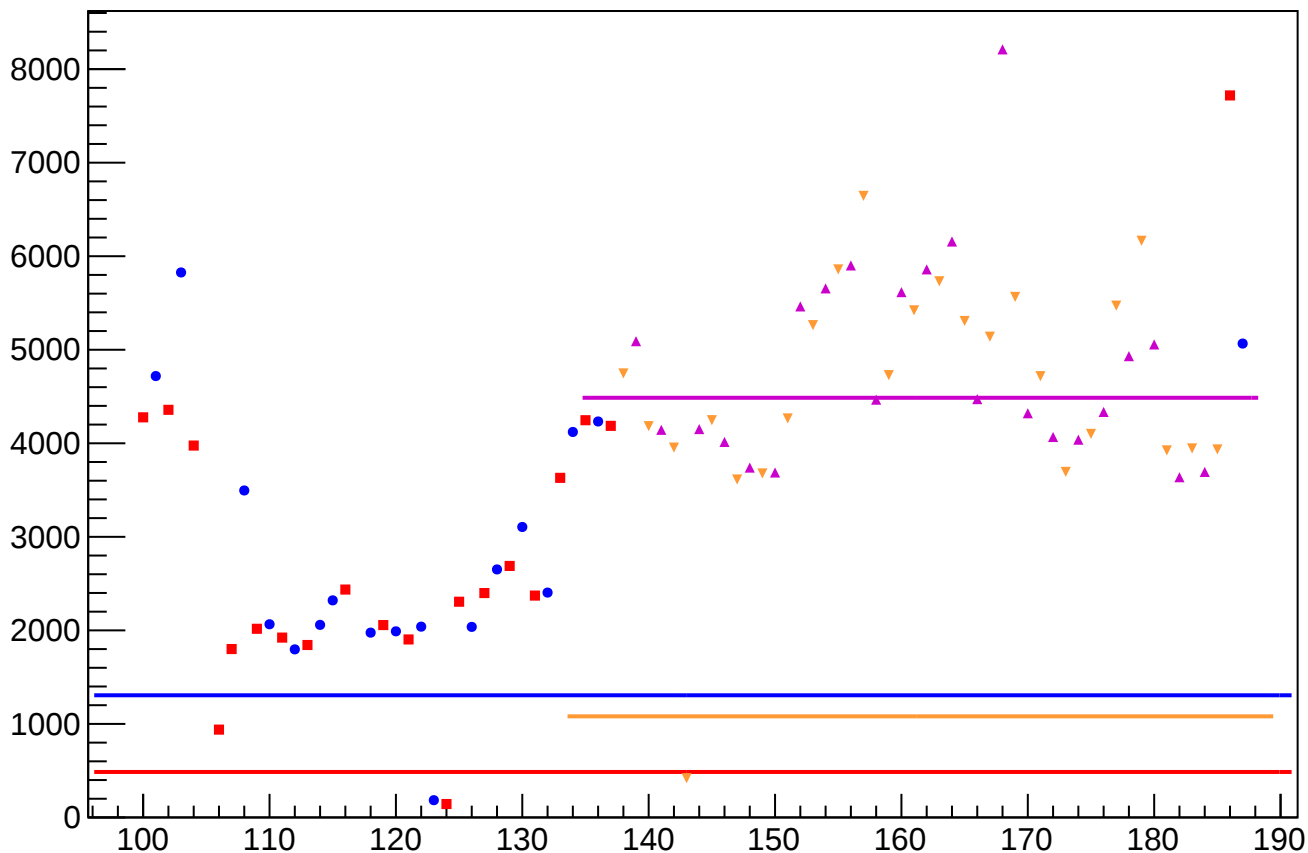
Left In: 88.508+/-1094.838 χ^2/NDF : 13.4/22

+ sign 548.605+/-373.591 χ^2/NDF : 49.8/42

All: 264.388+/-251.273 χ^2/NDF : 90.8/85

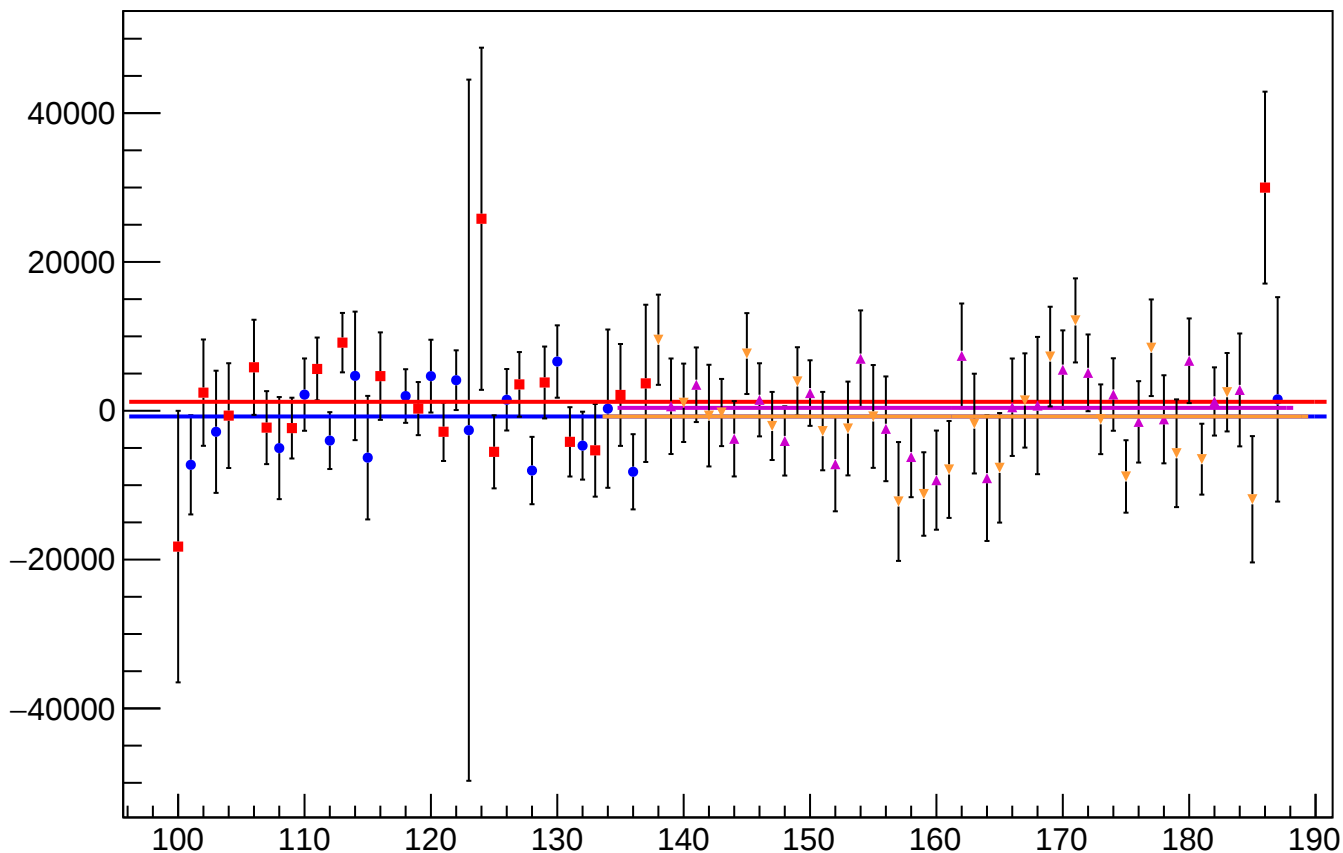
- sign 29.605+/-339.551 χ^2/NDF : 39.9/42

asym_atl_dd_correction_rms vs Slug



Right In: 1306.117 $\pm$ 0.499	χ^2 /NDF: 6676269.6/17	+ sign 1144.075 $\pm$ 0.264	χ^2 /NDF: 31278965.4/42
Left Out: 1081.004 $\pm$ 0.311	χ^2 /NDF: 24456244.2/24	All: 994.553 $\pm$ 0.178	χ^2 /NDF: 67959103.2/85
Right Out: 486.265 $\pm$ 0.253	χ^2 /NDF: 10781408.1/19	- sign 871.038 $\pm$ 0.240	χ^2 /NDF: 36095129.0/42
Left In: 4486.570 $\pm$ 0.774	χ^2 /NDF: 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -767.172 $\pm$ 1260.196 χ^2 /NDF: 14.7/17

Left Out: -766.008 $\pm$ 1147.372 χ^2 /NDF: 29.9/24

Right Out: 1204.259 $\pm$ 1189.090 χ^2 /NDF: 20.6/19

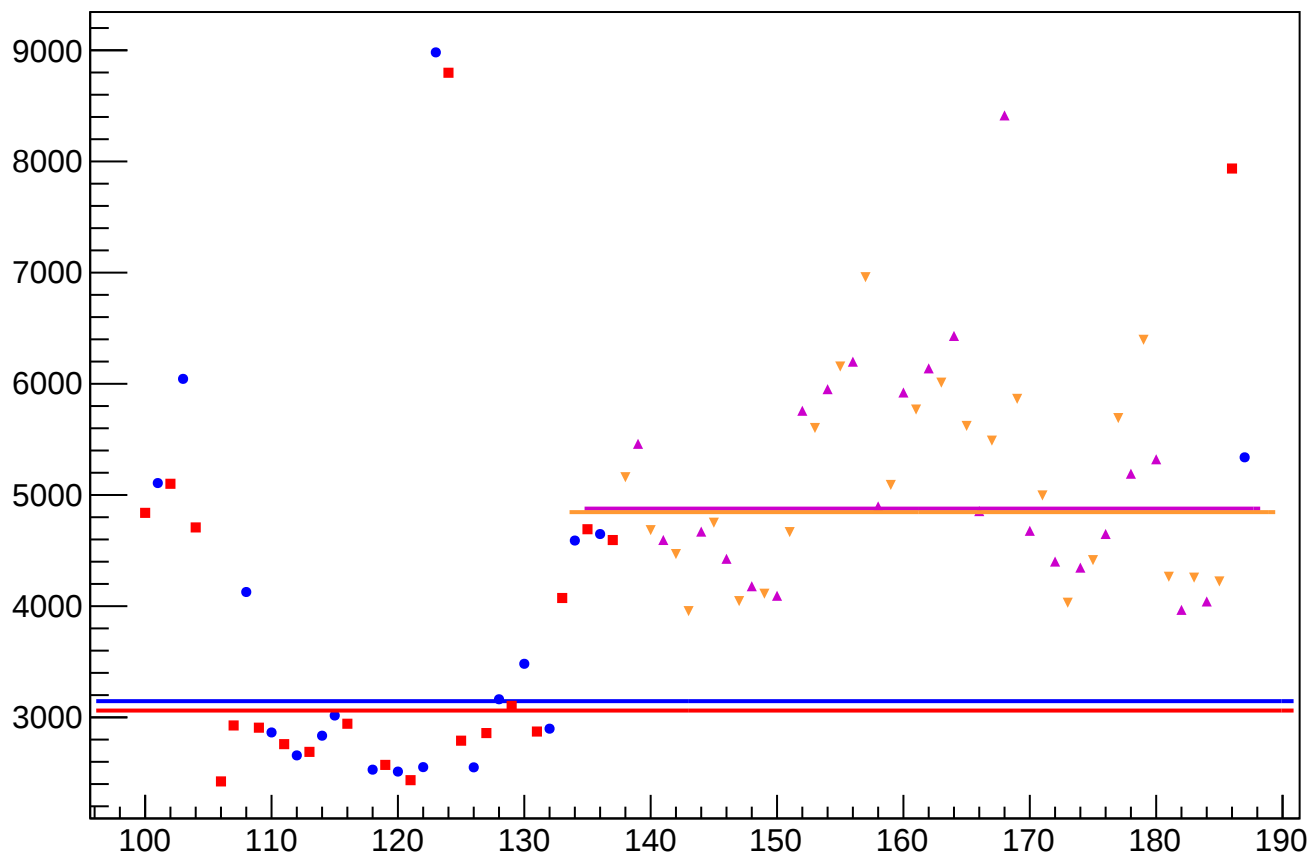
Left In: 388.944 $\pm$ 1186.300 χ^2 /NDF: 14.2/22

+ sign -766.535 $\pm$ 848.403 χ^2 /NDF: 44.7/42

All: 22.492 $\pm$ 596.856 χ^2 /NDF: 81.4/85

- sign 795.643 $\pm$ 839.825 χ^2 /NDF: 35.0/42

asym_atl_dd_rms vs Slug



Right In: 3145.721+/-0.891 χ^2/NDF : 994186.3/17

Left Out: 4845.779+/-0.811 χ^2/NDF : 909173.9/24

Right Out: 3061.122+/-0.830 χ^2/NDF : 1079678.2/19

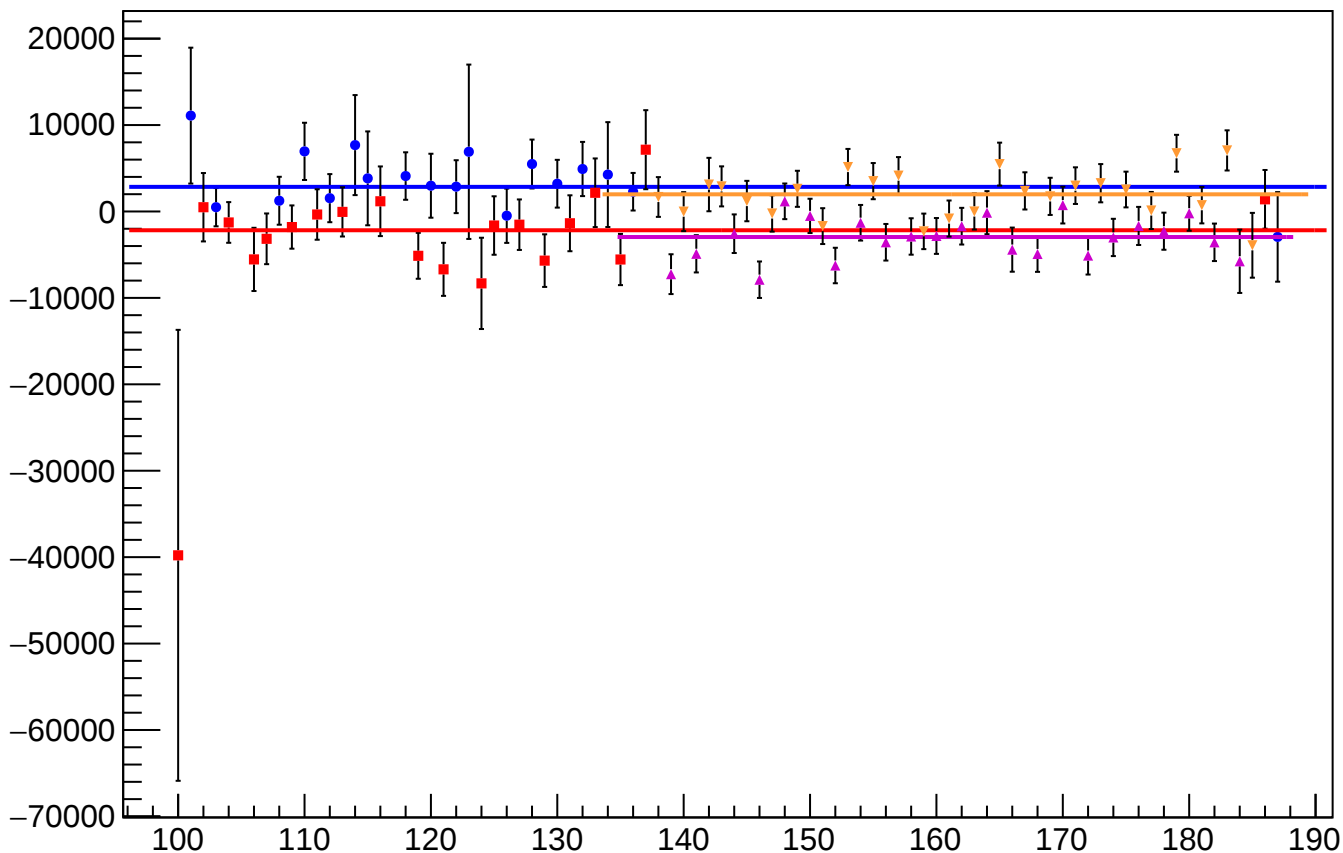
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4075.240+/-0.600 χ^2/NDF : 3893482.9/42

All: 4016.714+/-0.421 χ^2/NDF : 8318525.6/85

- sign 3960.079+/-0.590 χ^2/NDF : 4406315.0/42

reg_asym_atr_avg_mean vs Slug



Right In: 2847.954 $\pm$ 768.984 χ^2 /NDF: 9.2/17

Left Out: 1985.469 $\pm$ 443.190 χ^2 /NDF:32.4/24

Right Out: -2173.612 $\pm$ 725.081 χ^2 /NDF: 19.3/19

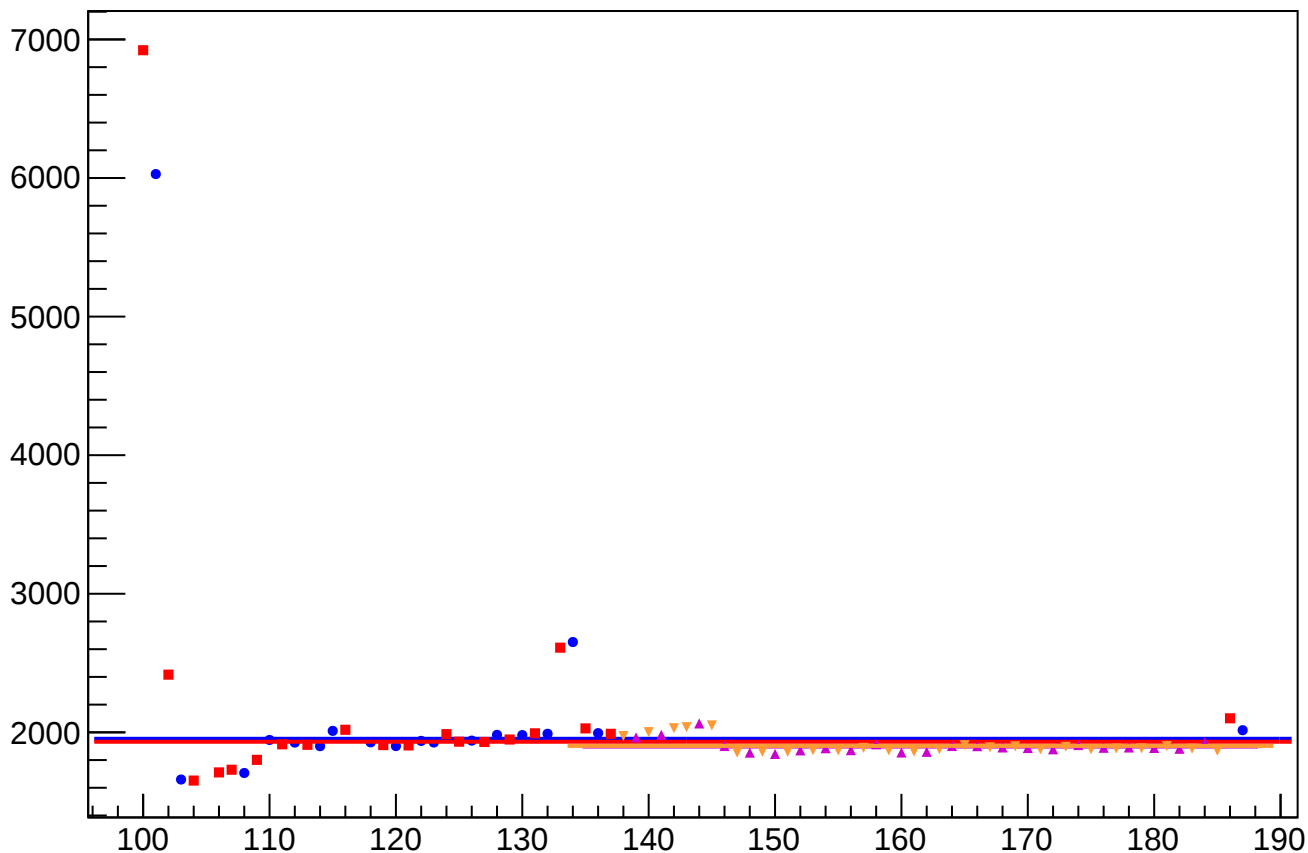
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF:28.4/22

+ sign 2200.520 $\pm$ 383.983 χ^2 /NDF: 42.6/42

All: -259.980 $\pm$ 271.921 χ^2 /NDF: 173.6/85

- sign -2735.197 $\pm$ 385.129 χ^2 /NDF: 48.6/42

reg_asym_atr_avg_rms vs Slug



Right In: 1953.499+/-0.544 χ^2/NDF : 617680.6/17

Left Out: 1901.884+/-0.313 χ^2/NDF : 30446.9/24

Right Out: 1932.064+/-0.512 χ^2/NDF : 222710.2/19

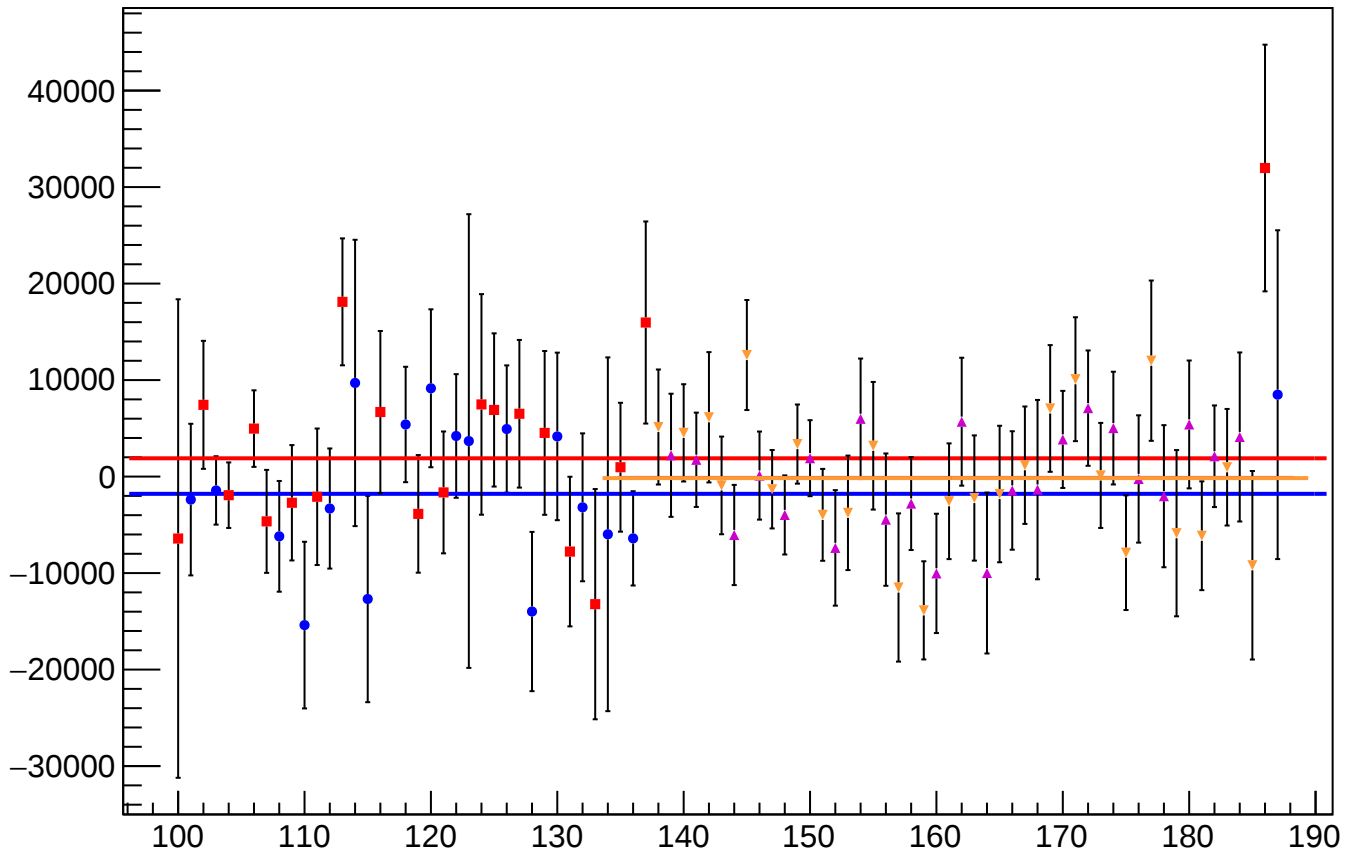
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1914.753+/-0.272 χ^2/NDF : 654891.3/42

All: 1911.011+/-0.192 χ^2/NDF : 902443.8/85

- sign 1907.251+/-0.272 χ^2/NDF : 247171.6/42

asym_atr_avg_correction_mean vs Slug



Right In: -1787.354 ± 1657.116 $\chi^2/\text{NDF}: 14.0/17$

Left Out: -157.539 ± 1165.844 $\chi^2/\text{NDF}: 29.5/24$

Right Out: 1894.104 ± 1469.831 $\chi^2/\text{NDF}: 24.3/19$

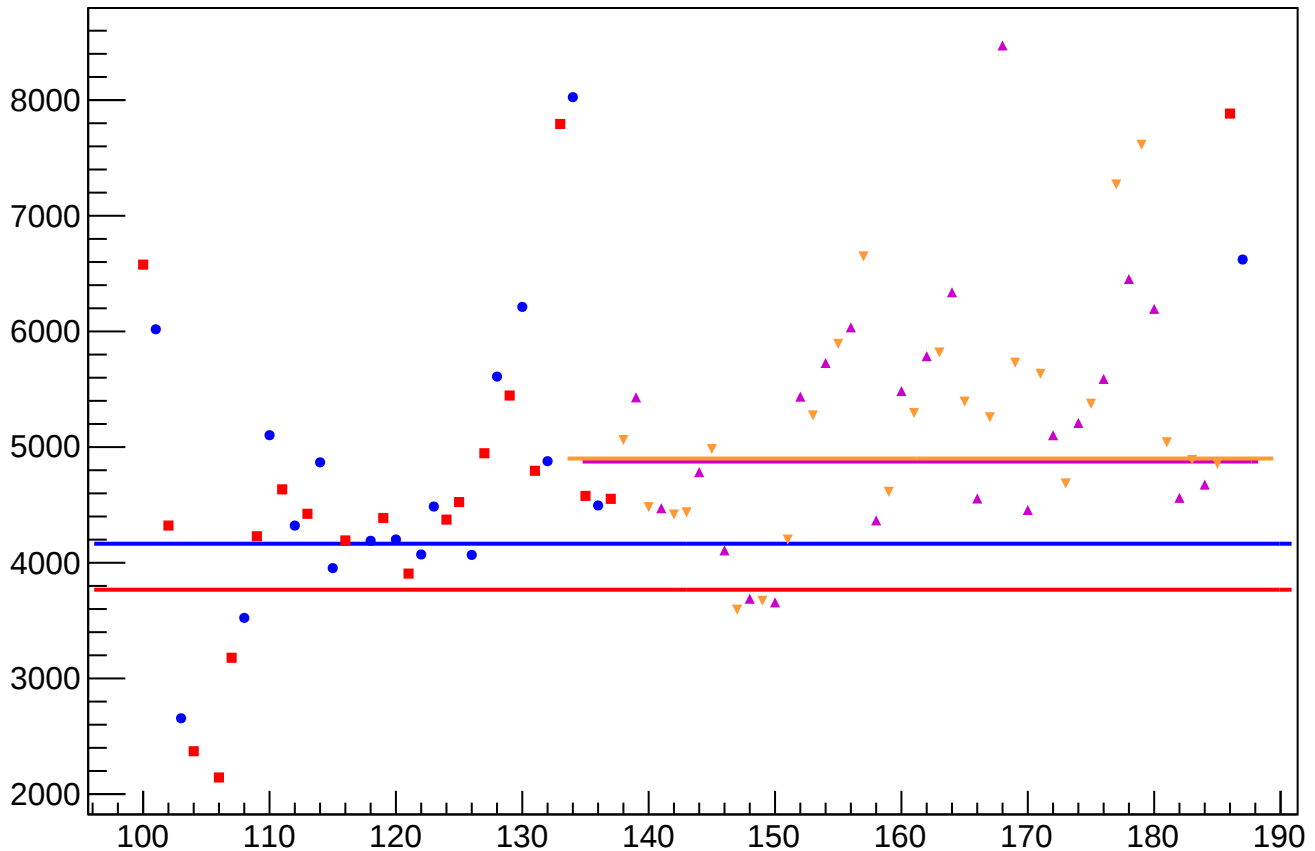
Left In: -139.000 ± 1190.889 $\chi^2/\text{NDF}: 14.7/22$

+ sign -697.152 ± 953.509 $\chi^2/\text{NDF}: 44.1/42$

All: 5.262 ± 664.034 $\chi^2/\text{NDF}: 85.4/85$

- sign 666.725 ± 925.297 $\chi^2/\text{NDF}: 40.2/42$

asym_atr_avg_correction_rms vs Slug



Right In: 4164.731+/-1.172 χ^2/NDF : 860134.3/17

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 3767.121+/-1.039 χ^2/NDF : 1486938.9/19

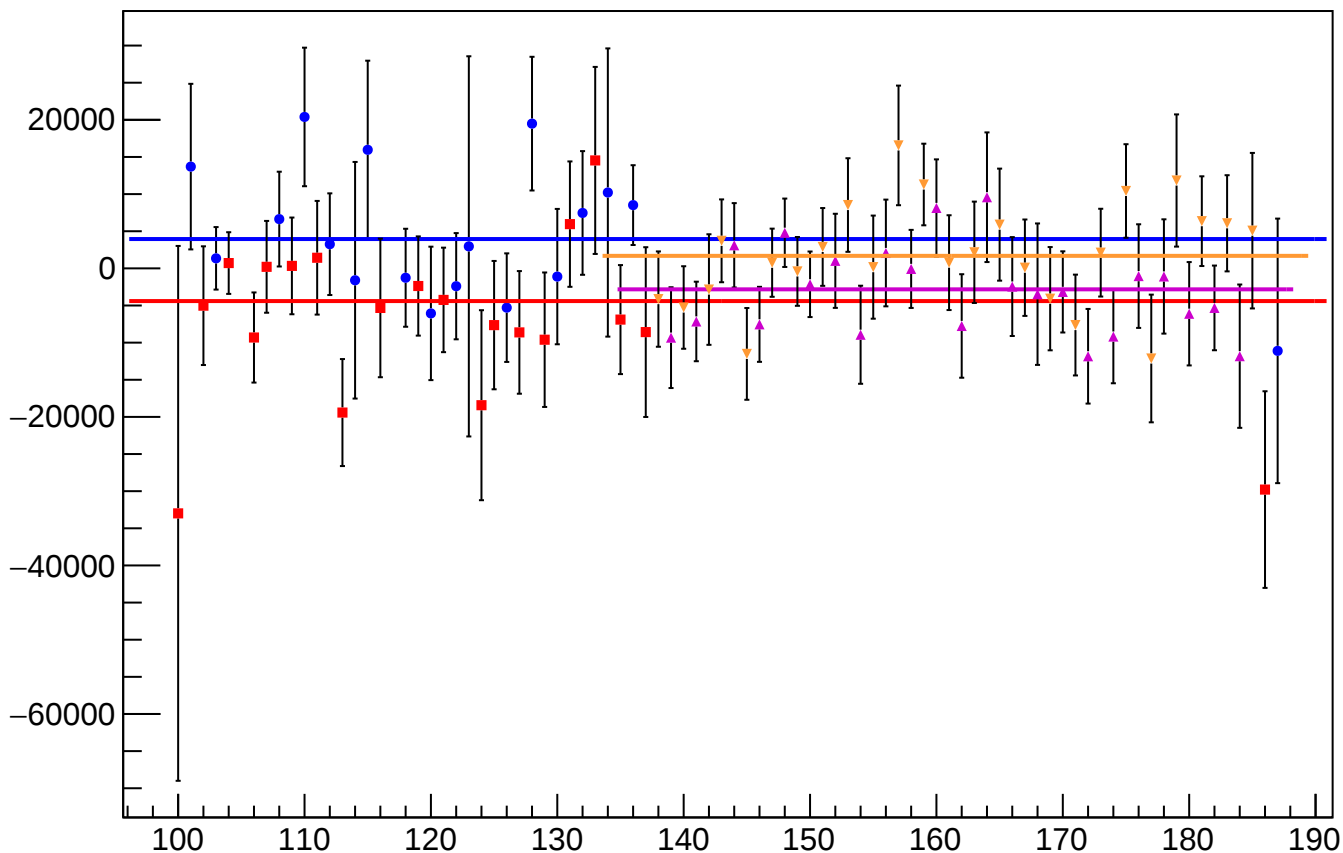
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4657.469+/-0.674 χ^2/NDF : 2261404.8/42

All: 4543.416+/-0.470 χ^2/NDF : 5719201.7/85

- sign 4436.012+/-0.654 χ^2/NDF : 3402235.4/42

asym_atr_avg_mean vs Slug



Right In: 3949.322+/-1865.921 χ^2/NDF : 14.8/17

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4403.721+/-1713.839 χ^2/NDF : 18.5/19

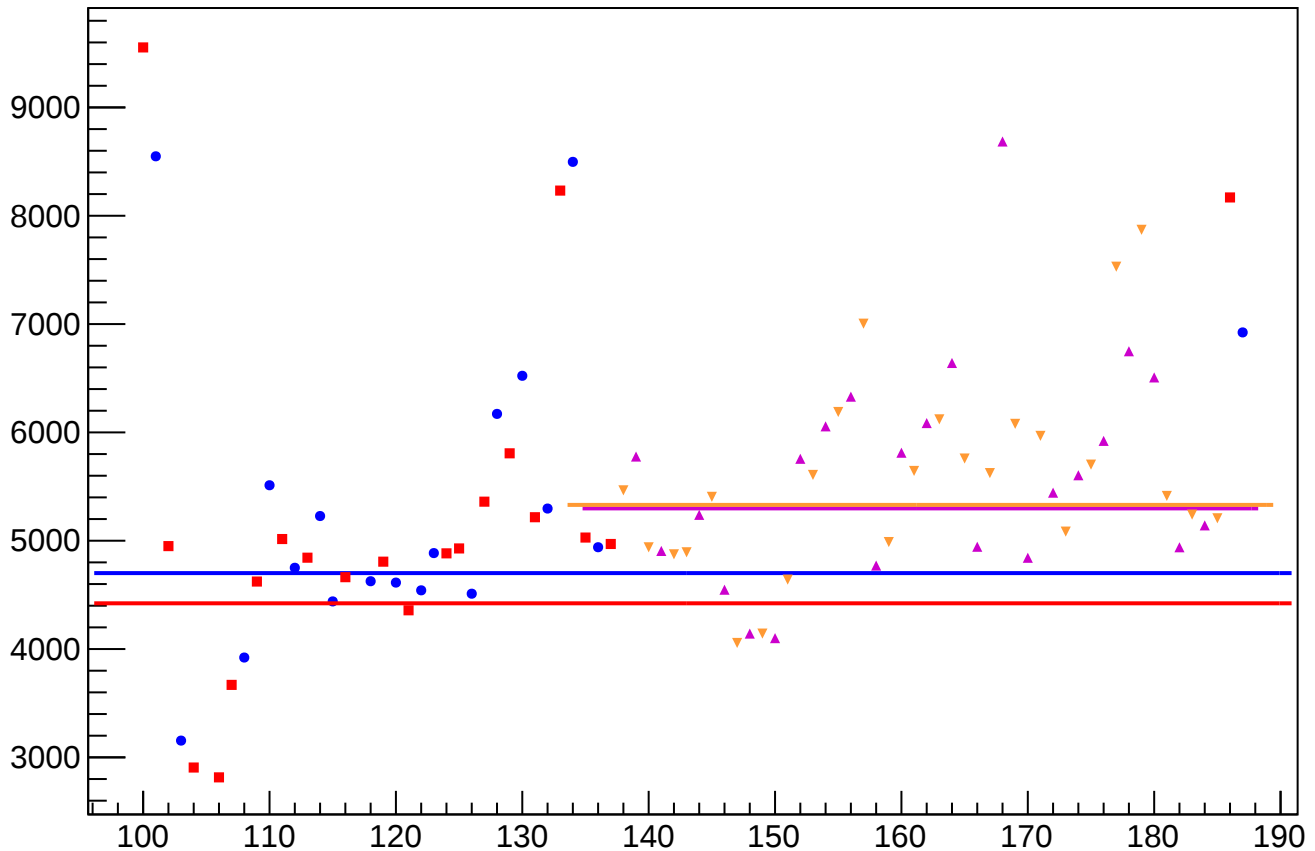
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2396.471+/-1045.157 χ^2/NDF : 41.2/42

All: -541.700+/-733.568 χ^2/NDF : 93.9/85

- sign -3394.467+/-1029.855 χ^2/NDF : 37.1/42

asym_atr_avg_rms vs Slug



Right In: 4701.063 ± 1.319 χ^2/NDF : 814508.2/17

Left Out: 5330.725 ± 0.892 χ^2/NDF : 868061.7/24

Right Out: 4422.208 ± 1.205 χ^2/NDF : 996478.0/19

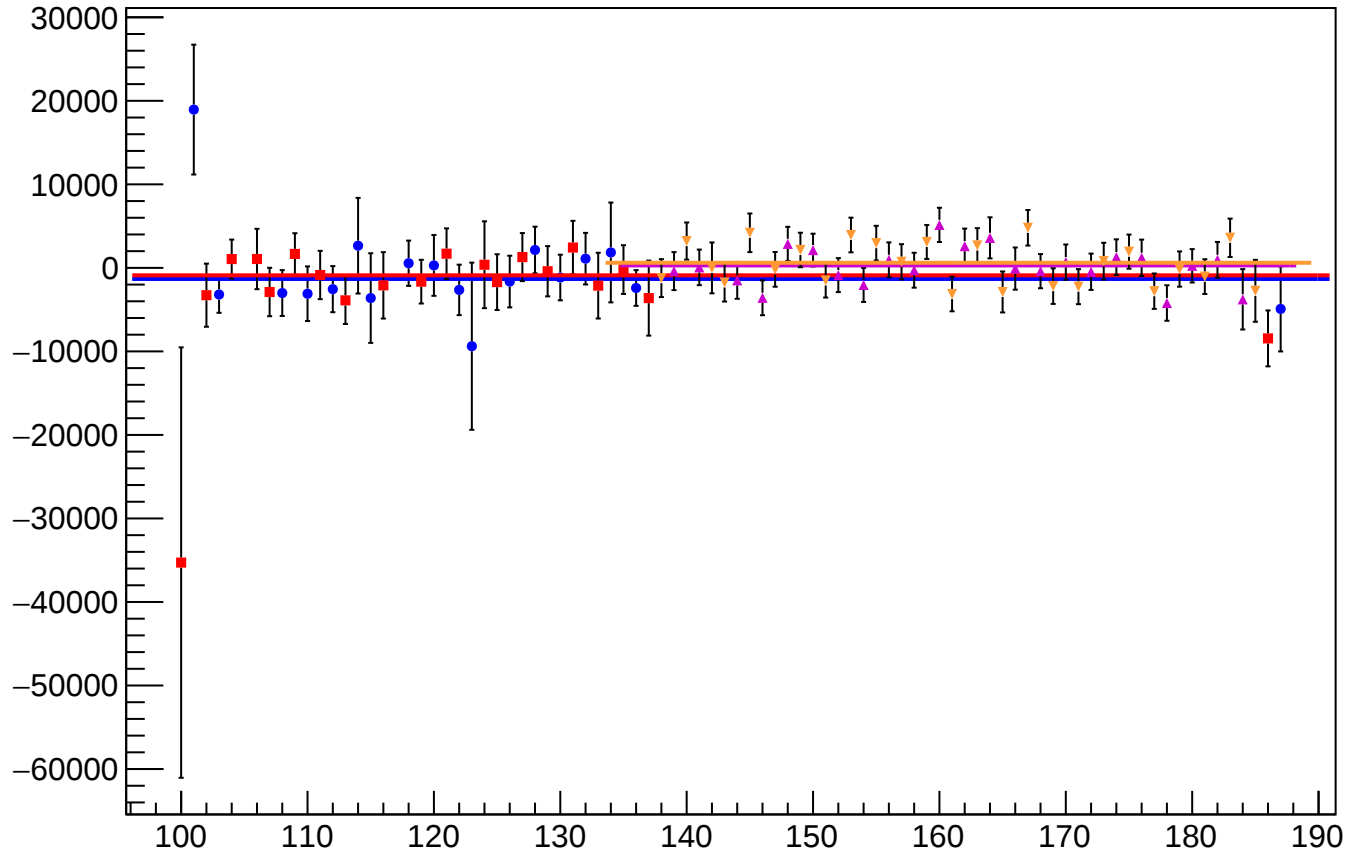
Left In: 5298.329 ± 0.911 χ^2/NDF : 956021.6/22

+ sign 5133.172 ± 0.739 χ^2/NDF : 1838864.3/42

All: 5055.124 ± 0.518 χ^2/NDF : 4149676.9/85

- sign 4979.659 ± 0.727 χ^2/NDF : 2288876.0/42

reg_asym_atr_dd_mean vs Slug



Right In: -1327.131 $\pm$ 758.876 χ^2 /NDF: 13.8/17

Left Out: 612.314 $\pm$ 438.264 χ^2 /NDF: 32.7/24

Right Out: -890.616 $\pm$ 715.508 χ^2 /NDF: 14.2/19

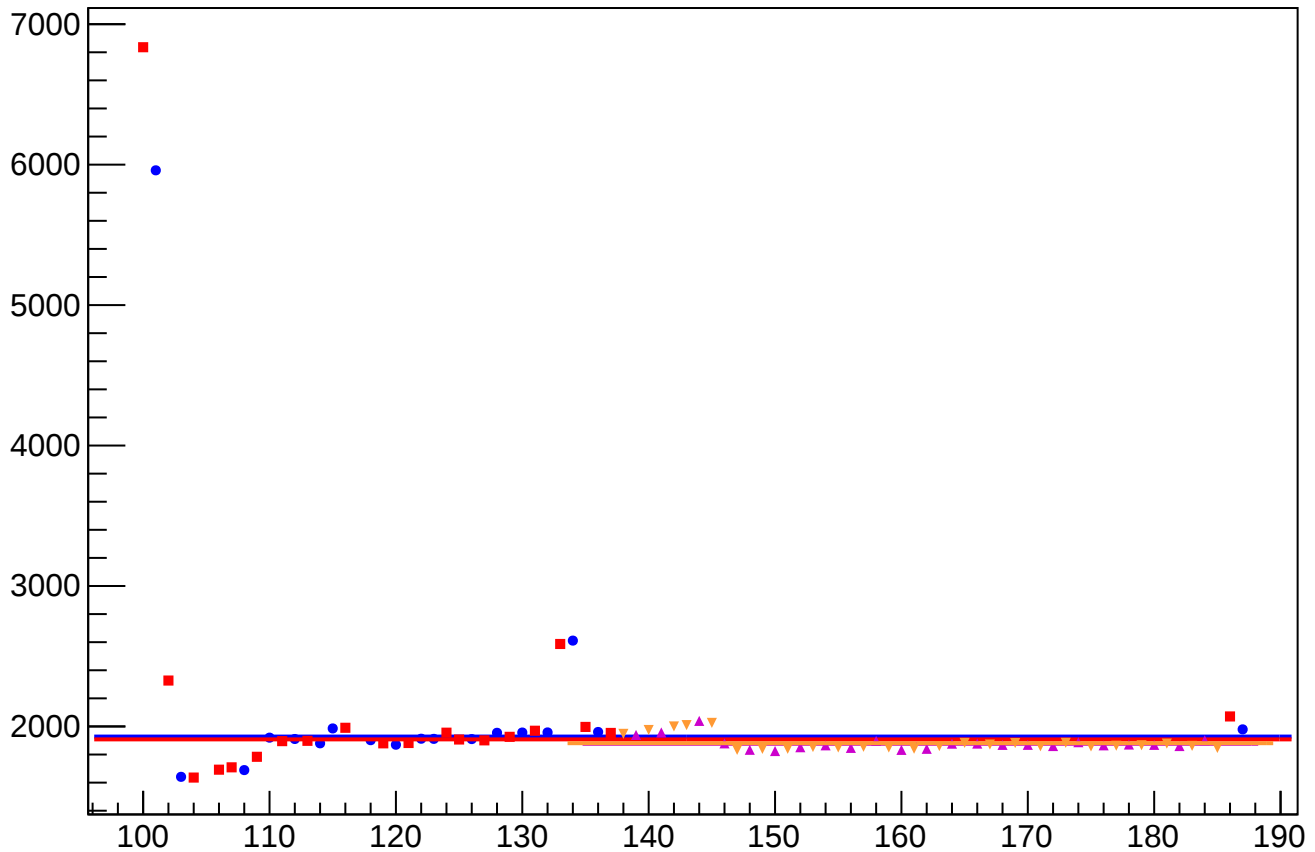
Left In: 293.009 $\pm$ 449.575 χ^2 /NDF: 23.6/22

+ sign 127.243 $\pm$ 379.520 χ^2 /NDF: 51.4/42

All: 42.868 $\pm$ 268.766 χ^2 /NDF: 91.2/85

- sign -42.017 $\pm$ 380.668 χ^2 /NDF: 39.8/42

reg_asym_atr_dd_rms vs Slug



Right In: 1927.859 $\pm$ 0.537 χ^2 /NDF: 616106.5/17

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1907.923 $\pm$ 0.505 χ^2 /NDF: 215974.4/19

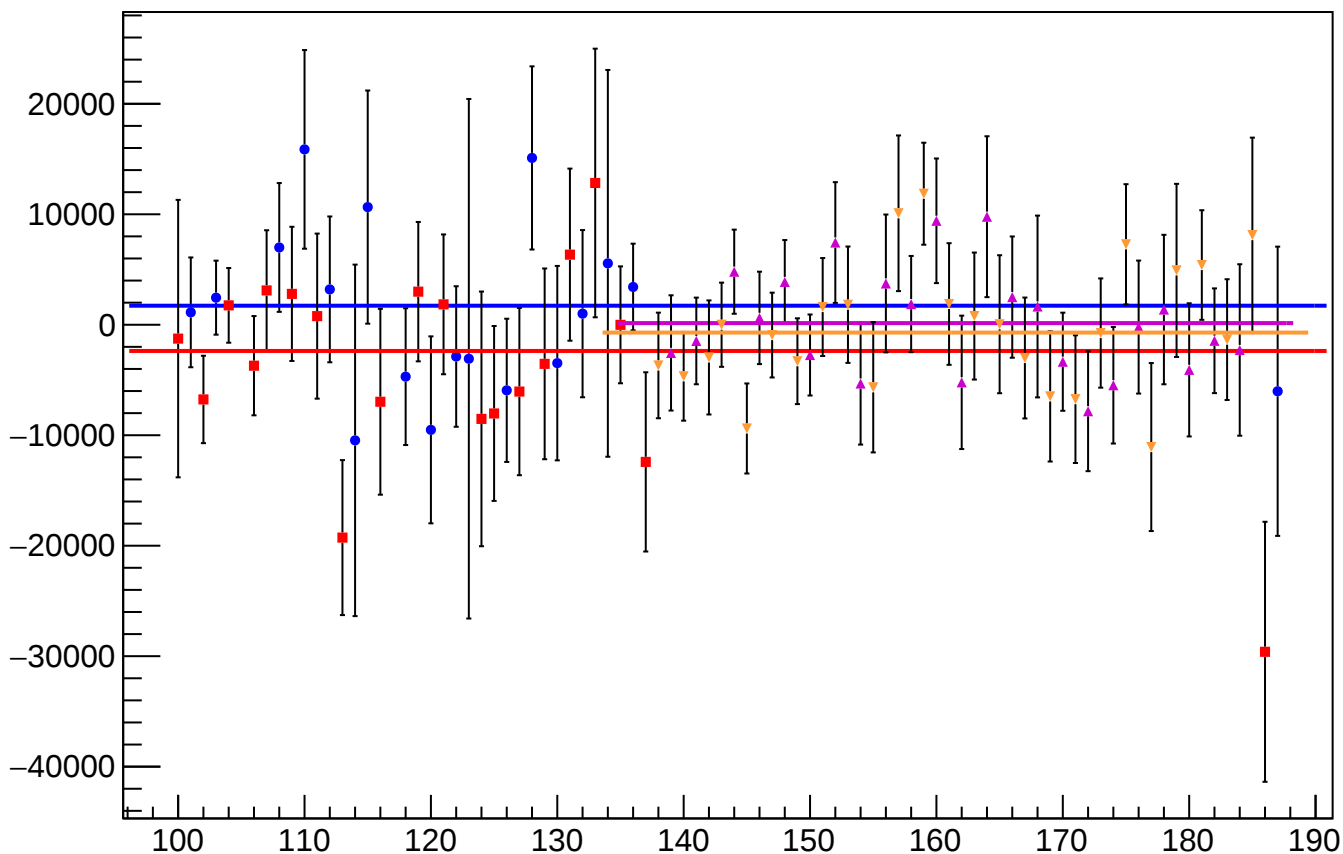
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1892.576 $\pm$ 0.268 χ^2 /NDF: 650527.3/42

All: 1889.074 $\pm$ 0.190 χ^2 /NDF: 890084.6/85

- sign 1885.555 $\pm$ 0.269 χ^2 /NDF: 239215.8/42

asym_atr_dd_correction_mean vs Slug



Right In: 1724.723 $\pm$ 1549.006 χ^2 /NDF: 13.1/17

Left Out: -707.785 $\pm$ 1017.719 χ^2 /NDF:27.1/24

Right Out: -2371.078 $\pm$ 1405.468 χ^2 /NDF: 23.0/19

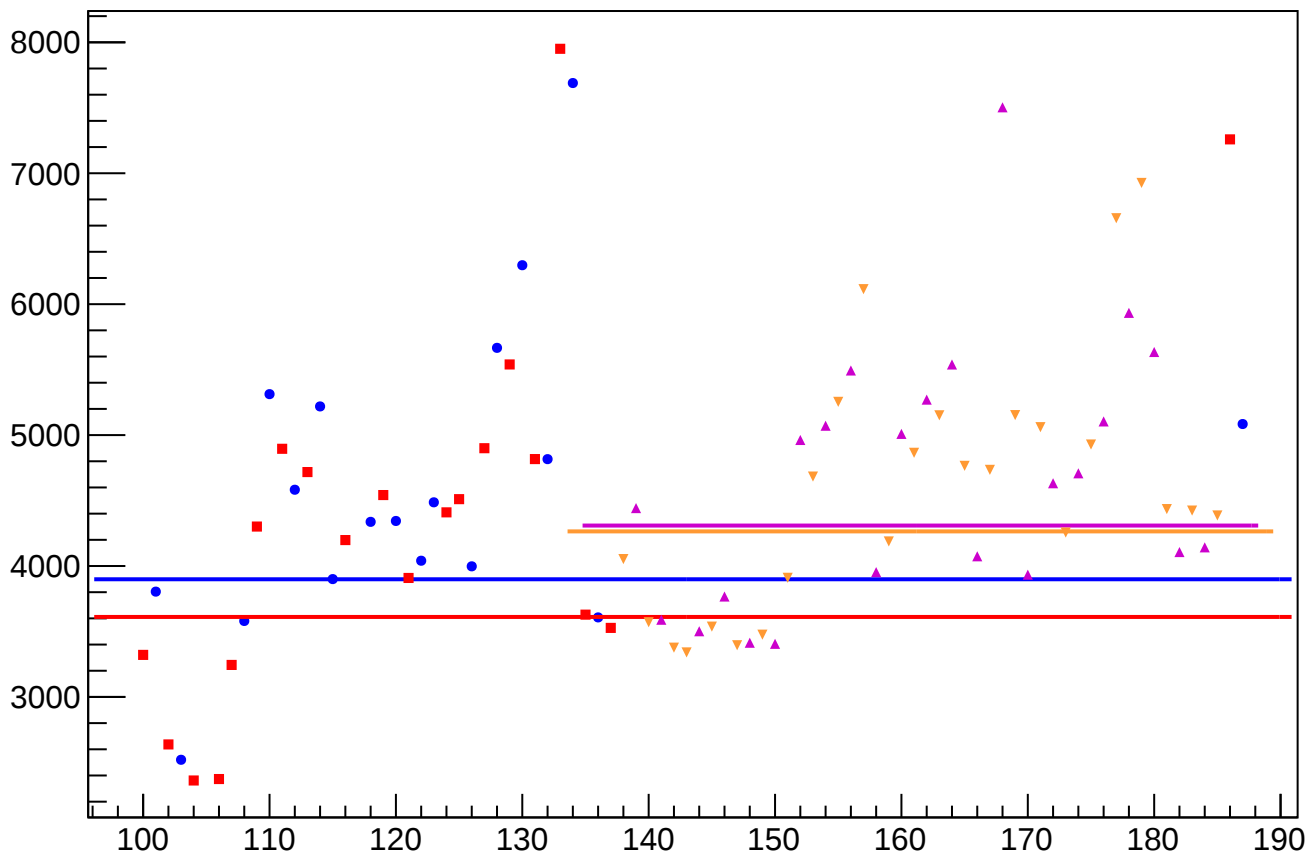
Left In: 150.495 $\pm$ 1053.655 χ^2 /NDF:16.9/22

+ sign 25.650 $\pm$ 850.564 χ^2 /NDF: 41.9/42

All: -369.035 $\pm$ 598.766 χ^2 /NDF: 84.2/85

- sign -756.780 $\pm$ 843.052 χ^2 /NDF: 41.9/42

asym_atr_dd_correction_rms vs Slug



Right In: 3898.750+/-1.095 χ^2 /NDF: 838620.1/17

Left Out: 4264.433+/-0.720 χ^2 /NDF:1354900.8/24

Right Out: 3610.968+/-0.994 χ^2 /NDF: 1436960.9/19

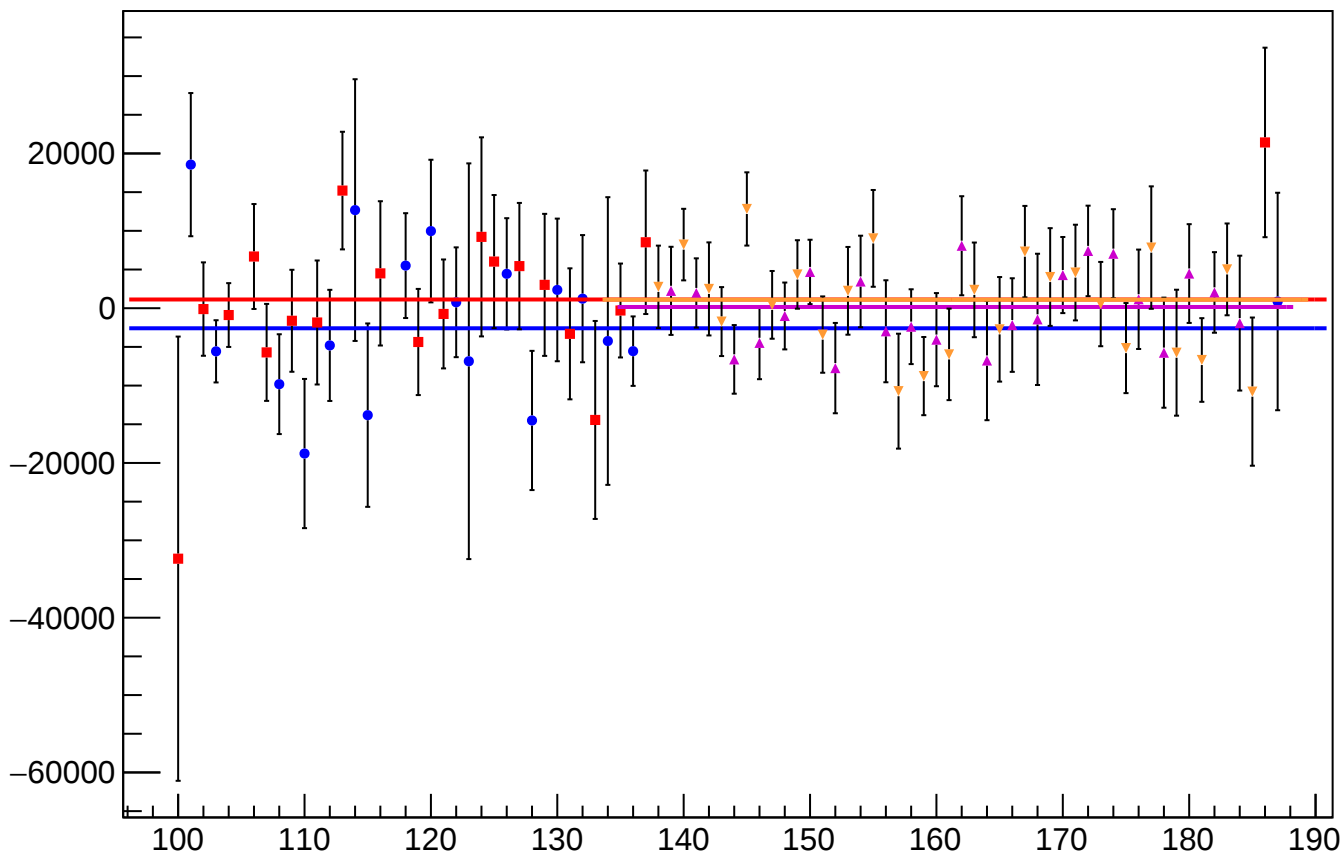
Left In: 4309.034+/-0.745 χ^2 /NDF:1305133.3/22

+ sign 4154.174+/-0.601 χ^2 /NDF: 2271376.8/42

All: 4105.593+/-0.423 χ^2 /NDF: 5342264.2/85

- sign 4057.866+/-0.596 χ^2 /NDF: 3057953.0/42

asym_atr_dd_mean vs Slug



Right In: -2593.204 ± 1798.478 $\chi^2/\text{NDF}: 18.9/17$

Left Out: 1102.204 ± 1126.663 $\chi^2/\text{NDF}: 28.6/24$

Right Out: 1127.614 ± 1677.273 $\chi^2/\text{NDF}: 14.3/19$

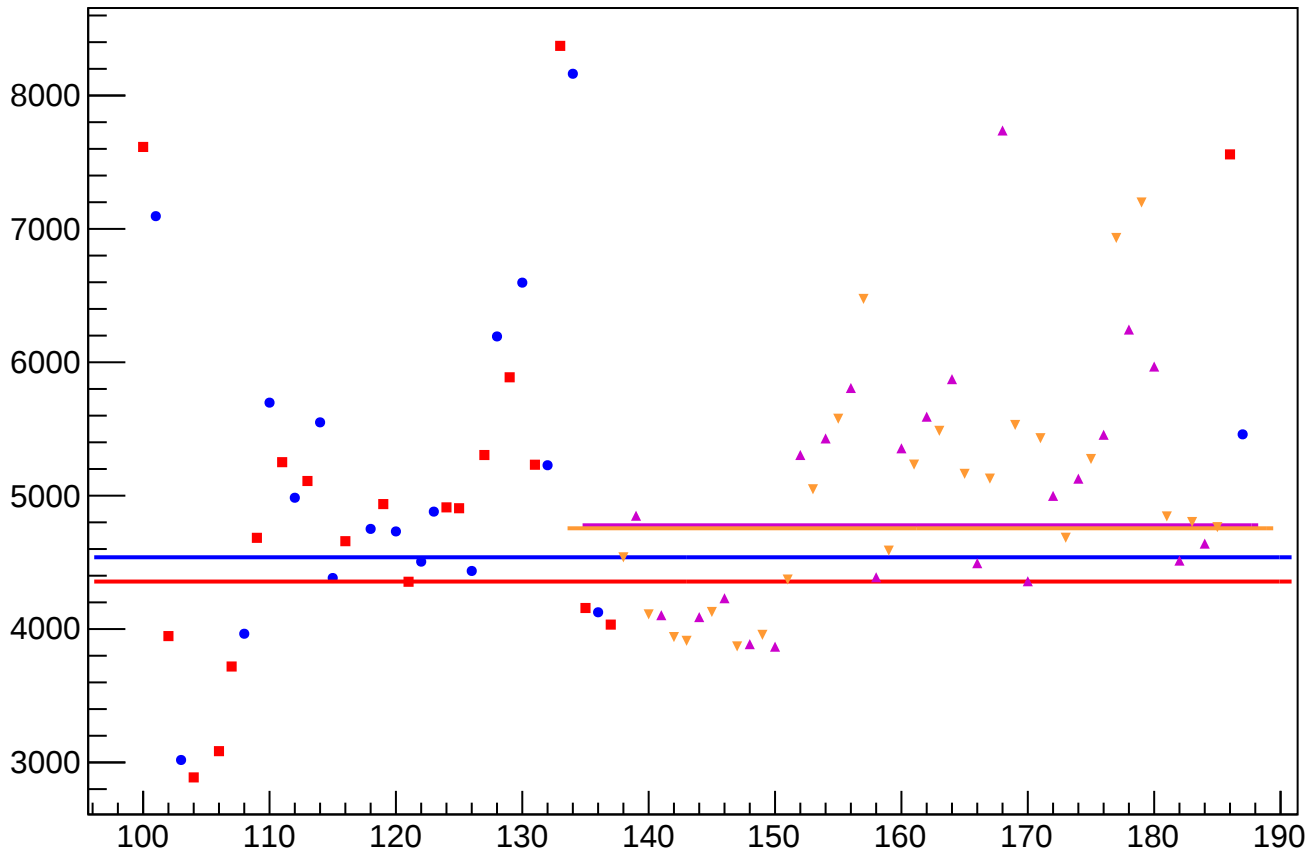
Left In: 158.683 ± 1161.507 $\chi^2/\text{NDF}: 15.5/22$

+ sign 60.696 ± 954.784 $\chi^2/\text{NDF}: 50.5/42$

All: 266.690 ± 675.174 $\chi^2/\text{NDF}: 80.7/85$

- sign 472.733 ± 954.897 $\chi^2/\text{NDF}: 30.1/42$

asym_atr_dd_rms vs Slug



Right In: 4538.120+/-1.272 χ^2/NDF : 785357.4/17

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4356.145+/-1.180 χ^2/NDF : 912539.4/19

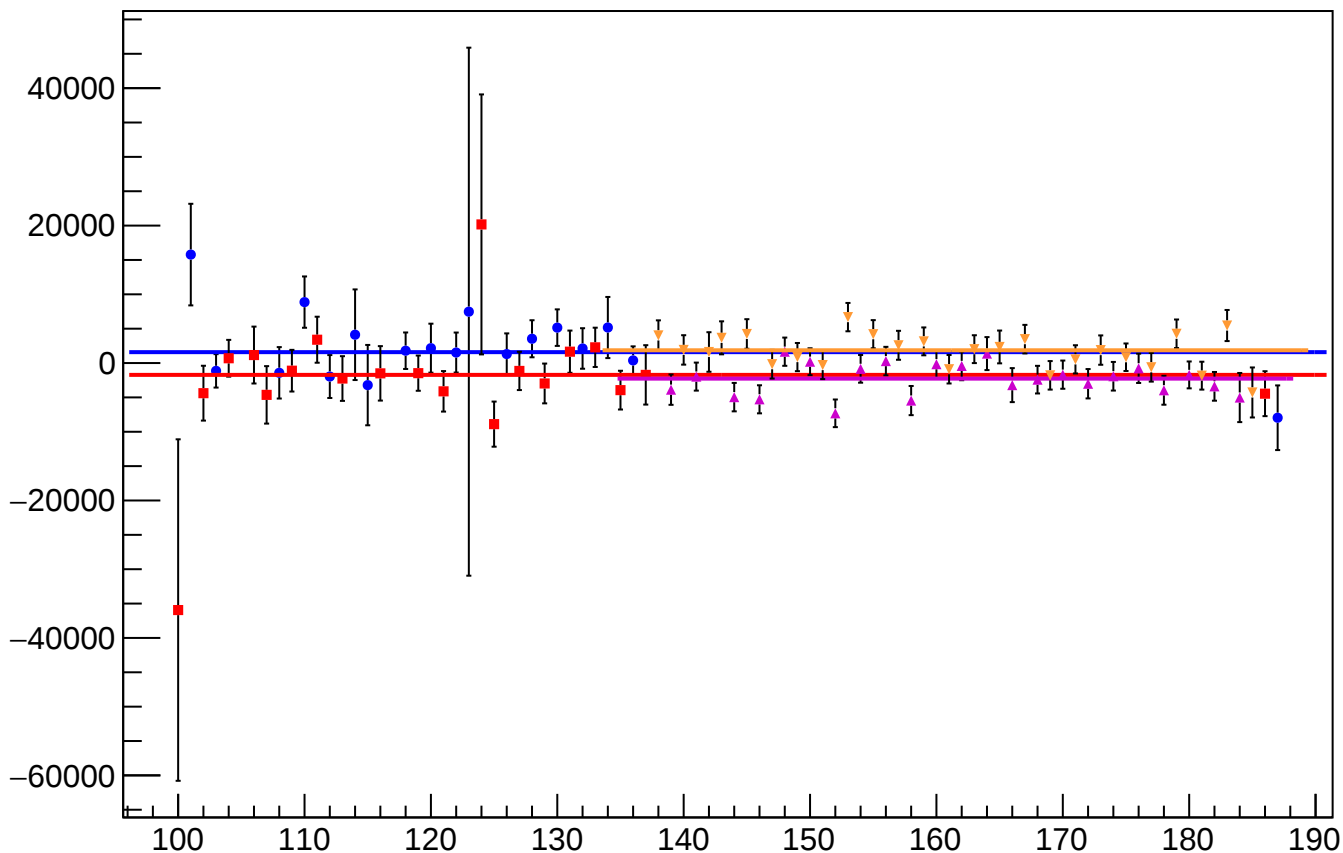
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4694.150+/-0.675 χ^2/NDF : 1759646.5/42

All: 4667.100+/-0.477 χ^2/NDF : 3711757.7/85

- sign 4640.140+/-0.674 χ^2/NDF : 1948906.0/42

reg_asym_at1_avg_mean vs Slug



Right In: 1584.631 $\pm$ 775.078 χ^2 /NDF: 19.0/17

Left Out: 1856.570 $\pm$ 430.977 χ^2 /NDF:30.0/24

Right Out: -1722.157 $\pm$ 747.677 χ^2 /NDF: 18.0/19

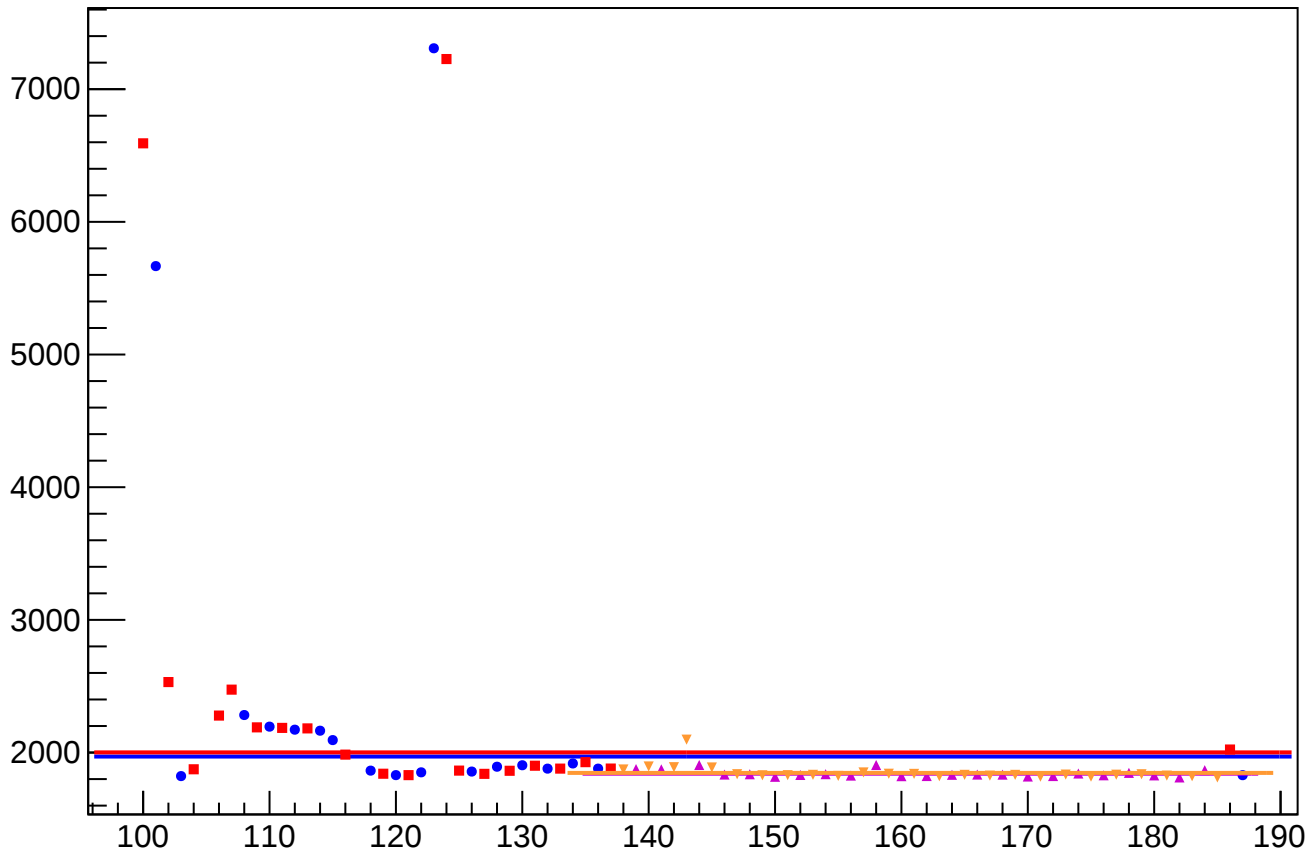
Left In: -2268.464 $\pm$ 441.710 χ^2 /NDF:26.9/22

+ sign 1792.348 $\pm$ 376.663 χ^2 /NDF: 49.1/42

All: -148.547 $\pm$ 267.618 χ^2 /NDF: 148.0/85

- sign -2127.124 $\pm$ 380.302 χ^2 /NDF: 45.3/42

reg_asym_at1_avg_rms vs Slug



Right In: 1969.894 $\pm$ 0.548 χ^2 /NDF: 601708.9/17

Left Out: 1846.602 $\pm$ 0.305 χ^2 /NDF: 27302.8/24

Right Out: 2001.260 $\pm$ 0.529 χ^2 /NDF: 353712.4/19

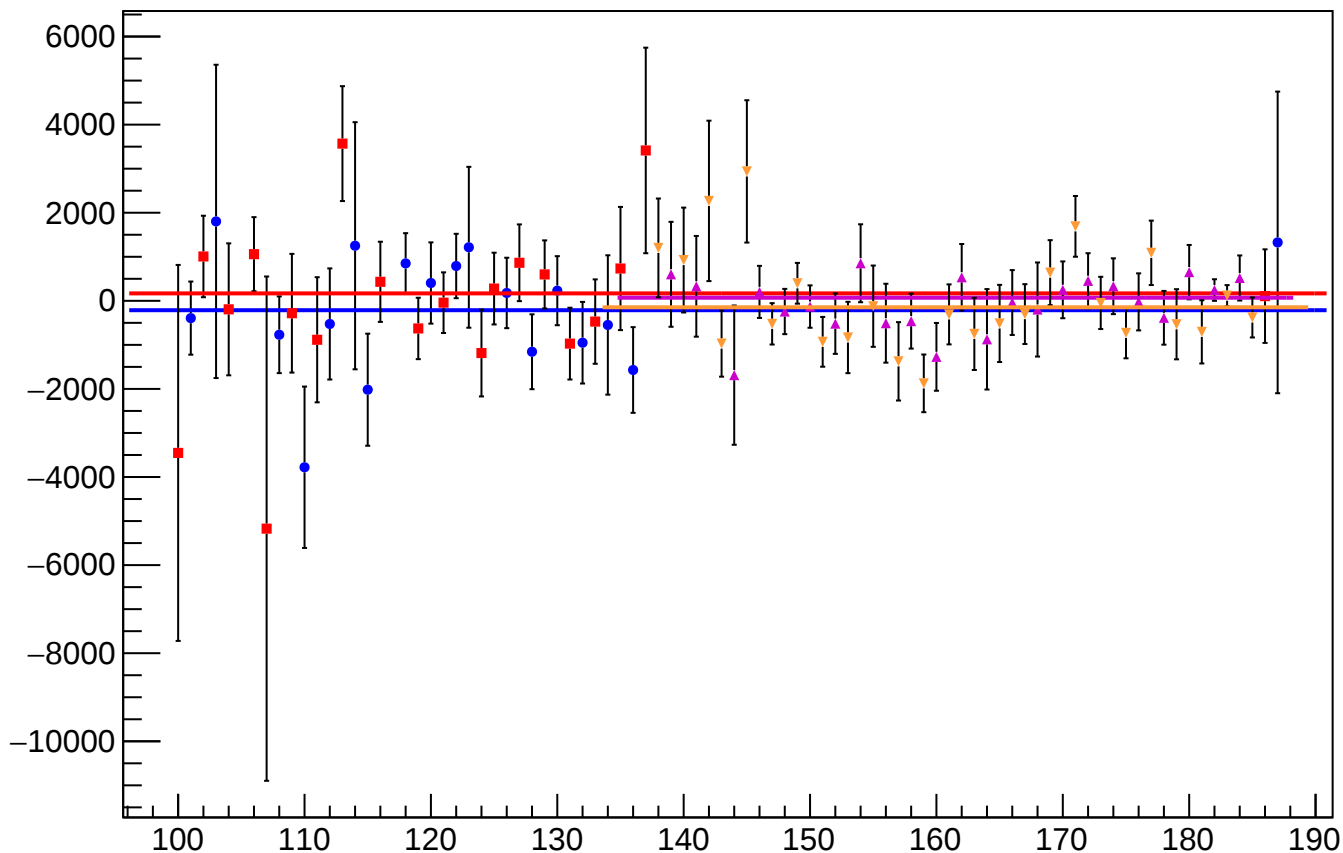
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1875.719 $\pm$ 0.266 χ^2 /NDF: 667667.2/42

All: 1878.890 $\pm$ 0.189 χ^2 /NDF: 1096910.2/85

- sign 1882.123 $\pm$ 0.269 χ^2 /NDF: 428956.8/42

asym_at1_avg_correction_mean vs Slug



Right In: -213.158 $\pm$ 240.613 χ^2/NDF : 16.9/17

Left Out: -146.999 $\pm$ 121.984 χ^2/NDF : 37.7/24

Right Out: 168.768 $\pm$ 224.566 χ^2/NDF : 19.9/19

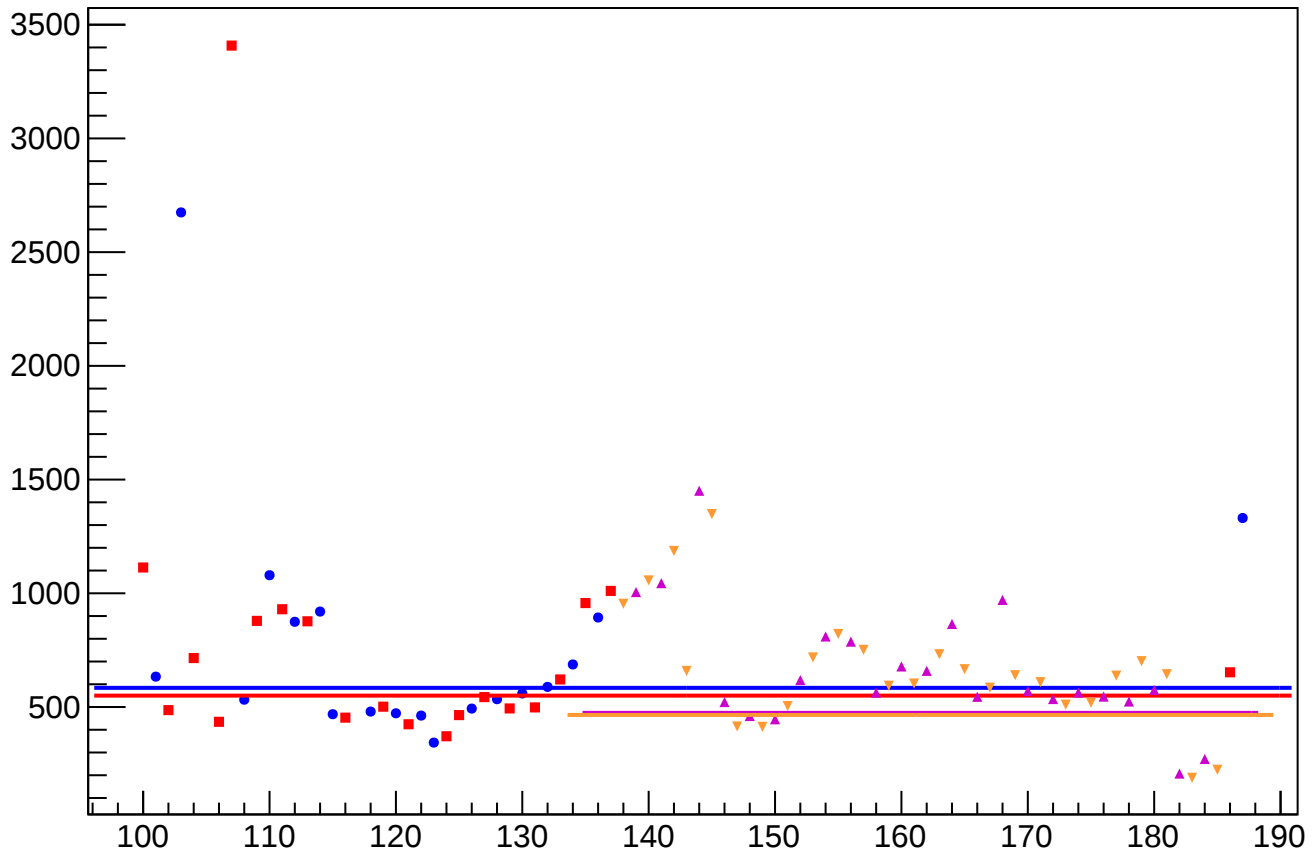
Left In: 70.340 $\pm$ 126.373 χ^2/NDF : 12.3/22

+ sign -160.526 $\pm$ 108.801 χ^2/NDF : 54.6/42

All: -34.804 $\pm$ 77.400 χ^2/NDF : 89.6/85

- sign 94.014 $\pm$ 110.132 χ^2/NDF : 32.3/42

asym_at1_avg_correction_rms vs Slug



Right In: 584.284 $\pm$ 0.170 χ^2 /NDF: 1509364.3/17

Left Out: 465.080 $\pm$ 0.086 χ^2 /NDF: 7086137.6/24

Right Out: 550.081 $\pm$ 0.159 χ^2 /NDF: 1475066.1/19

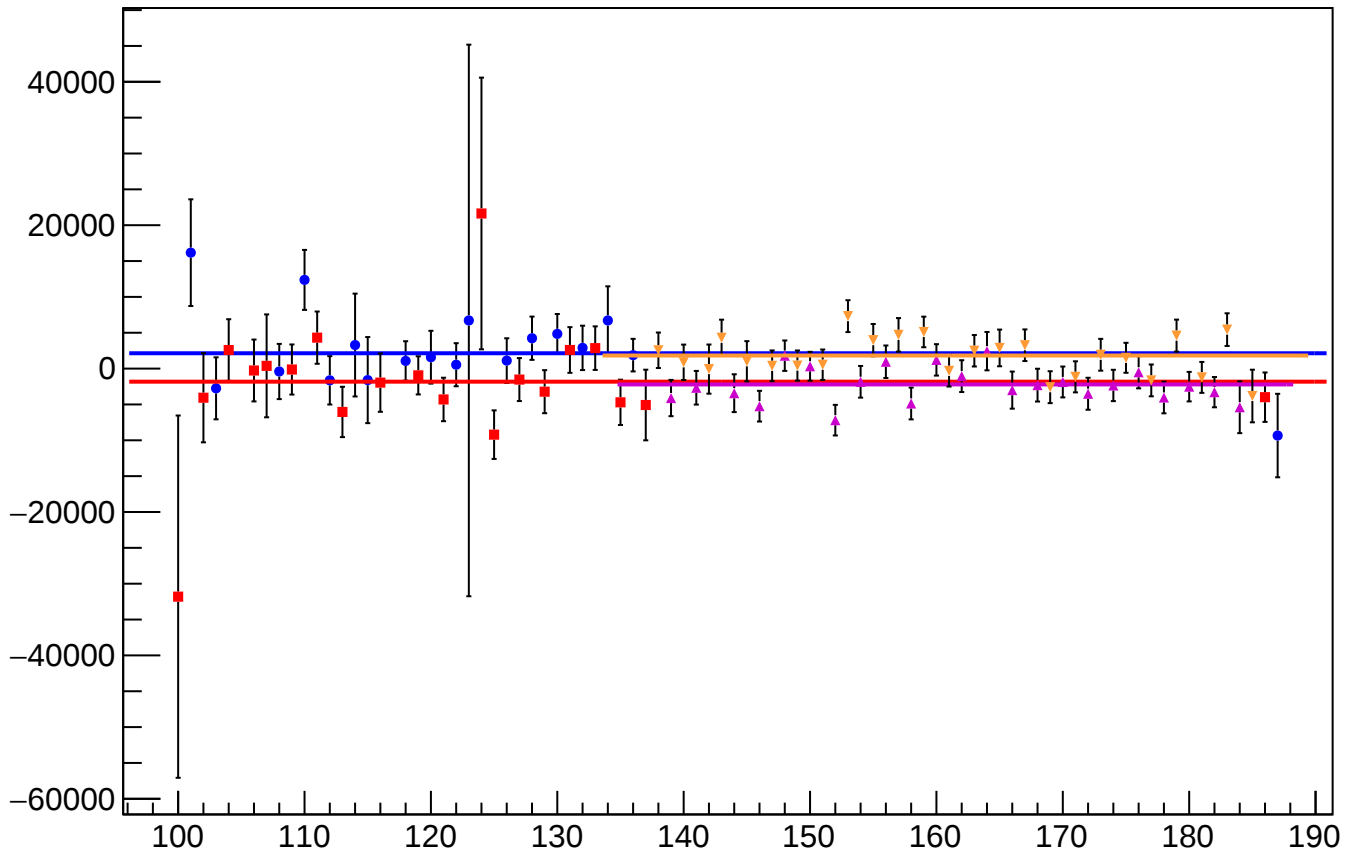
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 489.454 $\pm$ 0.077 χ^2 /NDF: 8986007.9/42

All: 490.957 $\pm$ 0.055 χ^2 /NDF: 16808094.8/85

- sign 492.498 $\pm$ 0.078 χ^2 /NDF: 7821313.4/42

asym_at1_avg_mean vs Slug



Right In: 2140.576+/-856.251 χ^2/NDF : 19.8/17

Left Out: 1824.066+/-462.694 χ^2/NDF : 32.1/24

Right Out: -1822.758+/-830.852 χ^2/NDF : 20.6/19

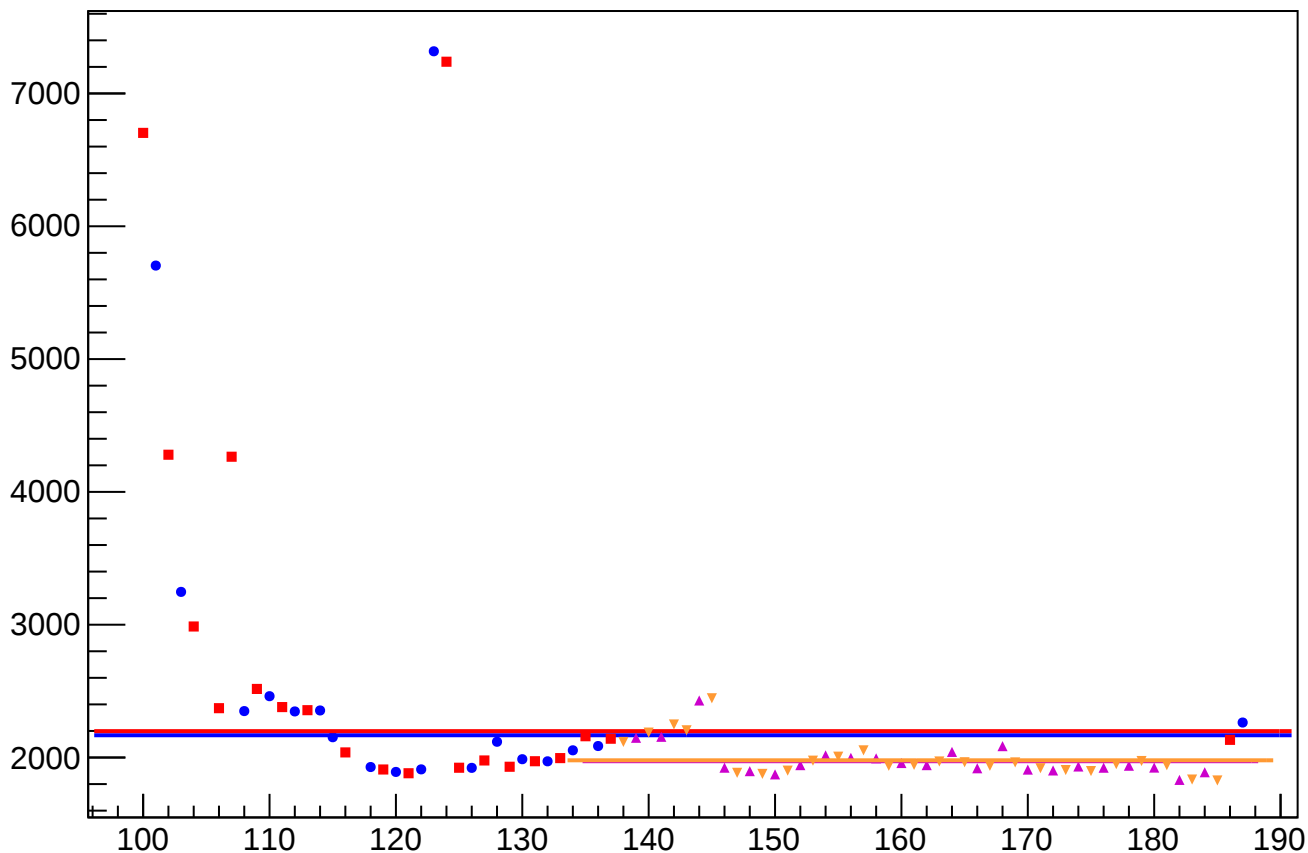
Left In: -2208.114+/-474.050 χ^2/NDF : 25.3/22

+ sign 1895.599+/-407.063 χ^2/NDF : 52.0/42

All: -86.017+/-289.478 χ^2/NDF : 146.1/85

- sign -2113.475+/-411.745 χ^2/NDF : 46.1/42

asym_at1_avg_rms vs Slug



Right In: 2167.685 $\pm$ 0.605 χ^2 /NDF: 708360.5/17

Left Out: 1978.997 $\pm$ 0.327 χ^2 /NDF:139299.8/24

Right Out: 2198.623 $\pm$ 0.587 χ^2 /NDF: 799842.8/19

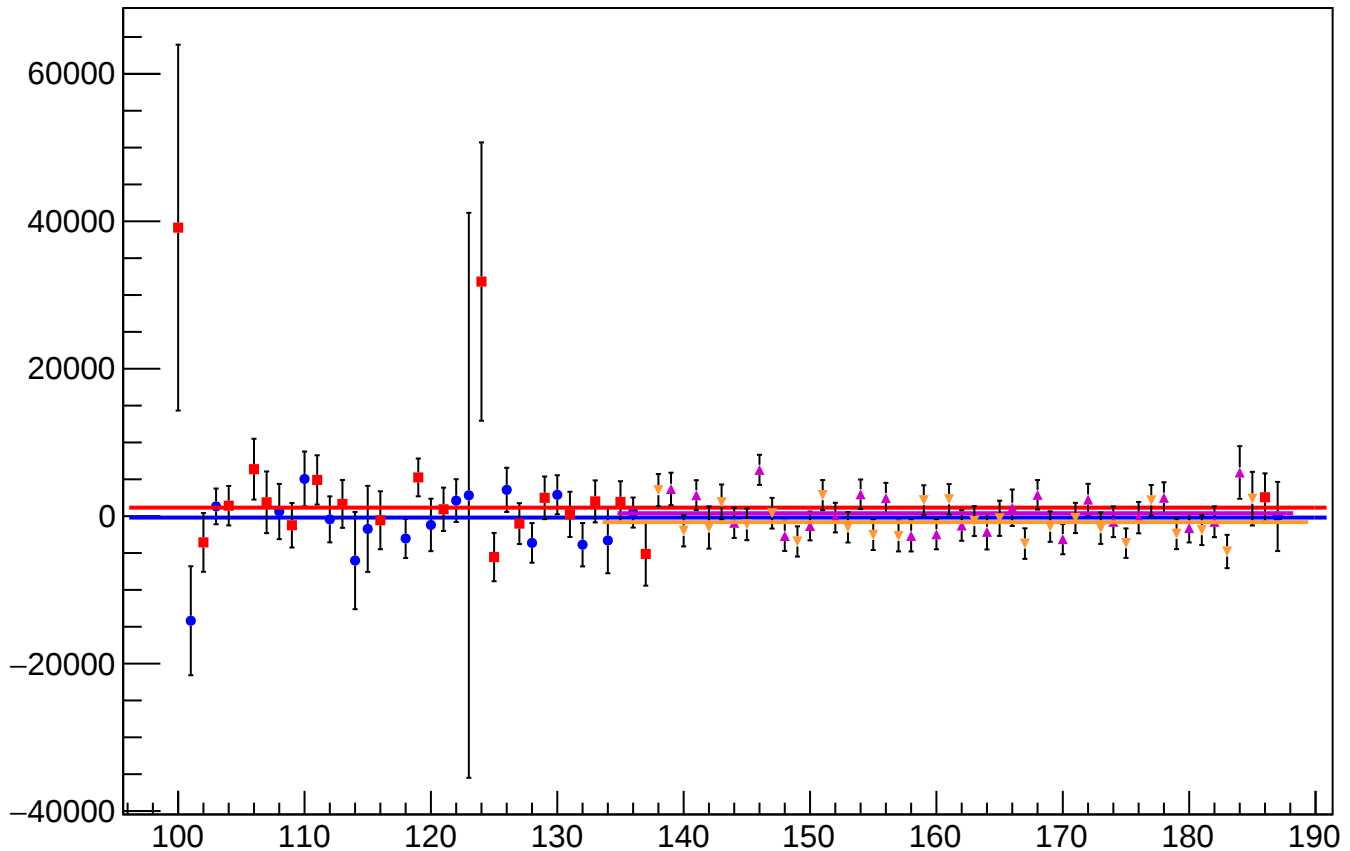
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2021.642 $\pm$ 0.288 χ^2 /NDF: 922832.1/42

All: 2024.677 $\pm$ 0.205 χ^2 /NDF: 1951441.2/85

- sign 2027.782 $\pm$ 0.291 χ^2 /NDF: 1028384.2/42

reg_asym_at1_dd_mean vs Slug



Right In: -190.842 ± 773.627 χ^2/NDF : 15.4/17

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 1157.197 ± 745.892 χ^2/NDF : 20.3/19

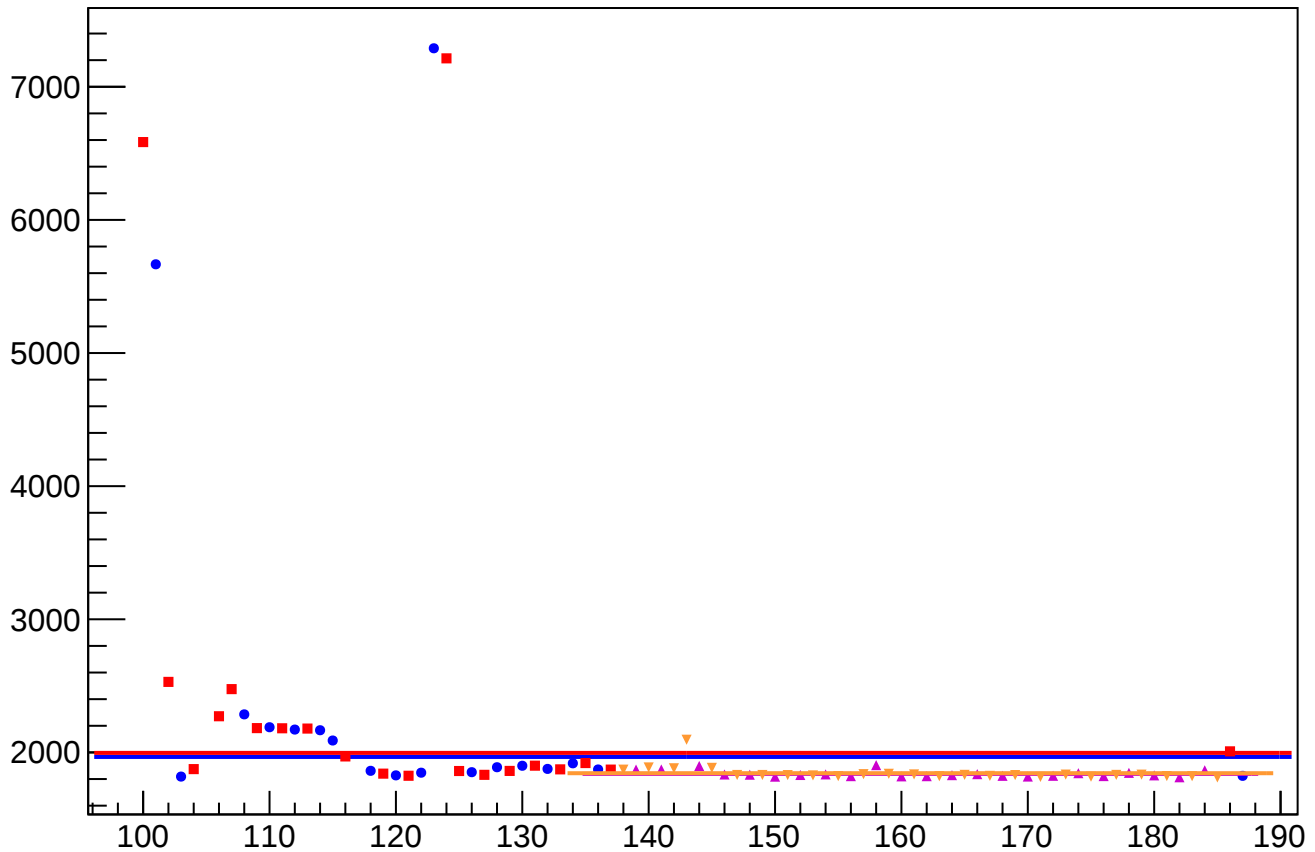
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -662.512 ± 376.048 χ^2/NDF : 43.9/42

All: -39.753 ± 267.212 χ^2/NDF : 104.8/85

- sign 595.400 ± 379.771 χ^2/NDF : 55.4/42

reg_asym_at1_dd_rms vs Slug



Right In: 1965.981+/-0.547 χ^2/NDF : 603886.2/17

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

+ sign 1872.628+/-0.266 χ^2/NDF : 668885.7/42

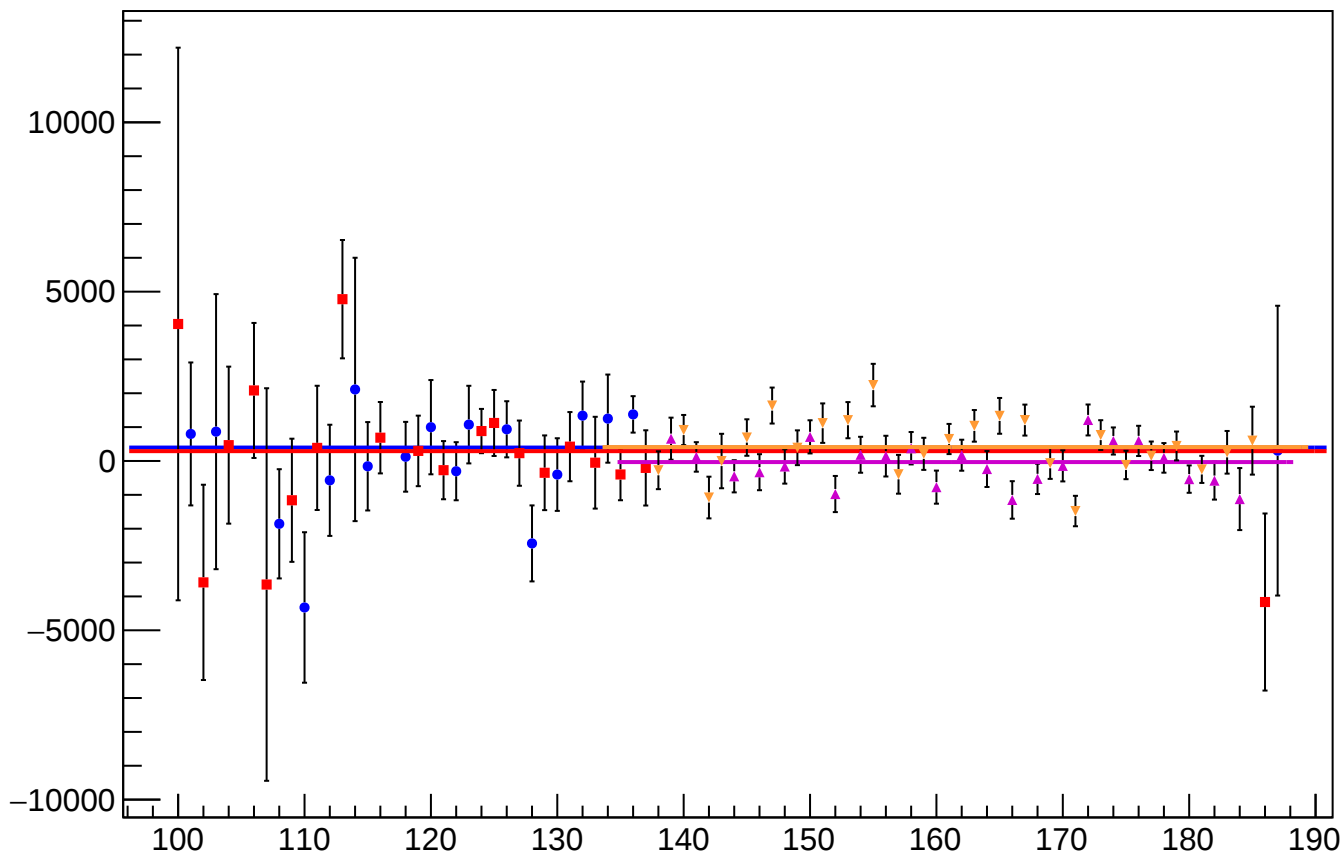
Right Out: 1996.400+/-0.527 χ^2/NDF : 354327.8/19

All: 1876.038+/-0.189 χ^2/NDF : 1096180.5/85

- sign 1879.515+/-0.269 χ^2/NDF : 426962.7/42

Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

asym_at1_dd_correction_mean vs Slug



Right In: 396.336 ± 270.384 χ^2/NDF : 20.5/17

Left Out: 411.072 ± 100.456 χ^2/NDF : 61.2/24

Right Out: 289.857 ± 265.511 χ^2/NDF : 17.0/19

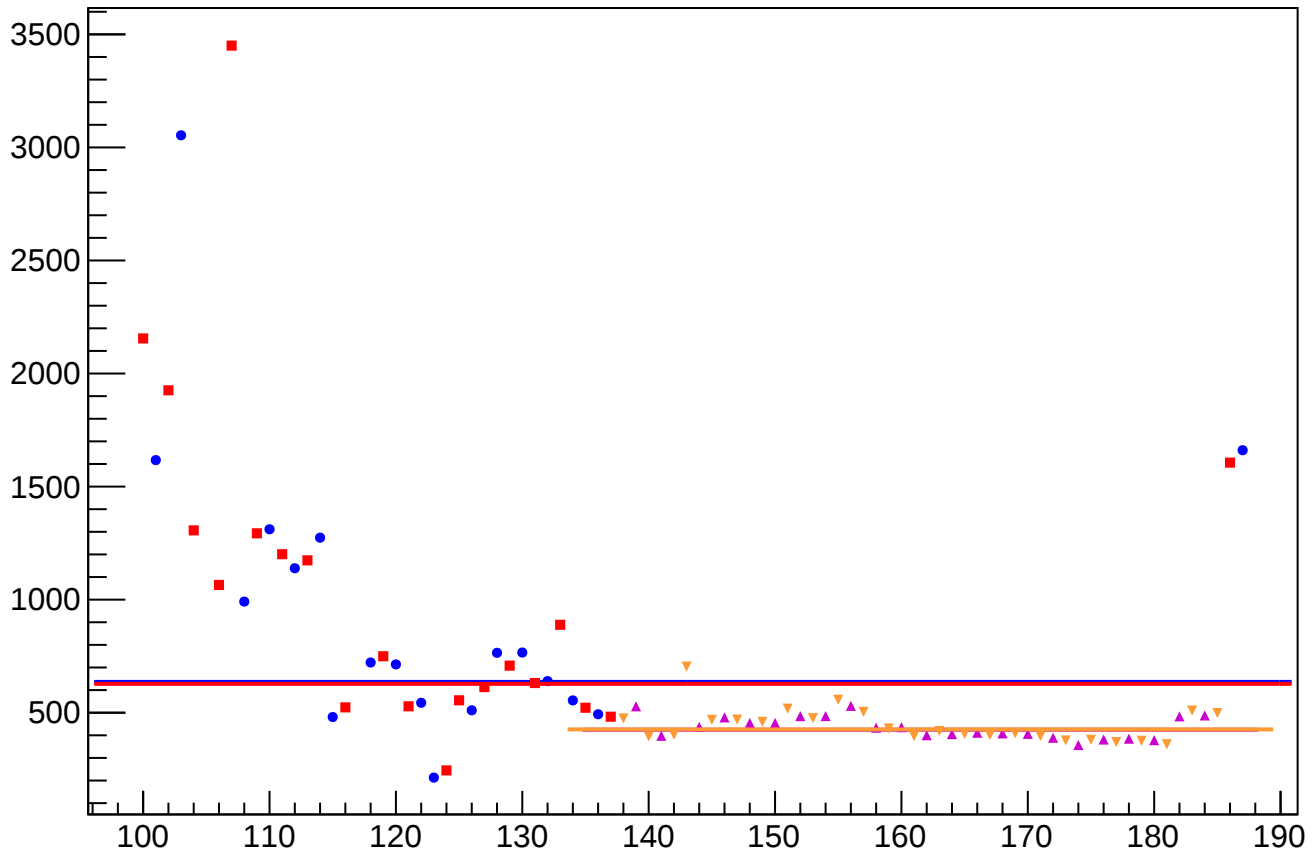
Left In: -32.456 ± 102.403 χ^2/NDF : 32.7/22

+ sign 409.284 ± 94.167 χ^2/NDF : 81.6/42

All: 212.185 ± 67.067 χ^2/NDF : 141.5/85

- sign 9.280 ± 95.543 χ^2/NDF : 51.0/42

asym_at1_dd_correction_rms vs Slug



Right In: 636.201 $\pm$ 0.191 χ^2 /NDF: 2373571.3/17

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 627.713 $\pm$ 0.188 χ^2 /NDF: 3085318.9/19

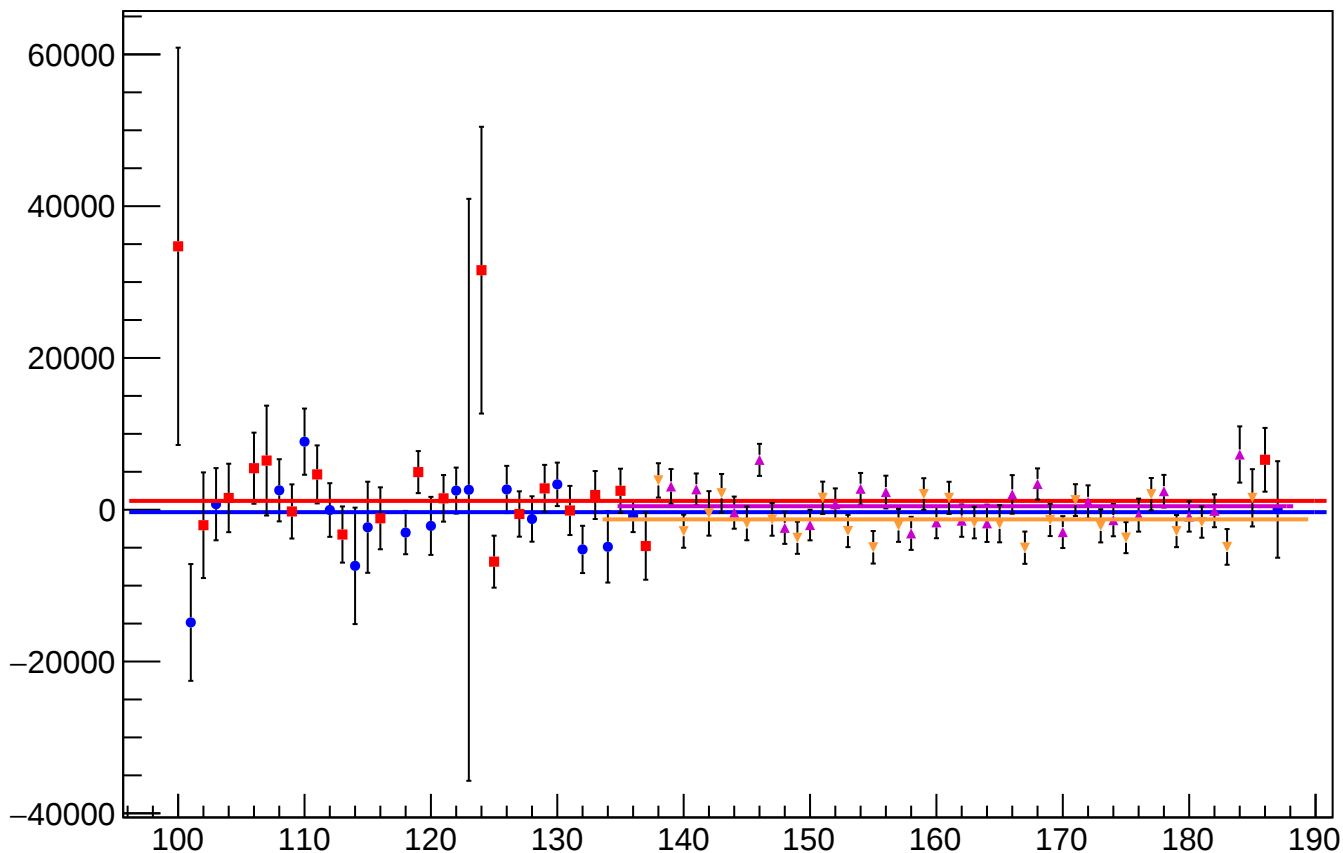
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 451.520 $\pm$ 0.067 χ^2 /NDF: 4168507.9/42

All: 451.232 $\pm$ 0.047 χ^2 /NDF: 8663942.9/85

- sign 450.935 $\pm$ 0.068 χ^2 /NDF: 4495396.9/42

asym_at1_dd_mean vs Slug



Right In: -318.093 ± 866.205 χ^2/NDF : 17.7/17

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 1164.725 ± 852.170 χ^2/NDF : 20.4/19

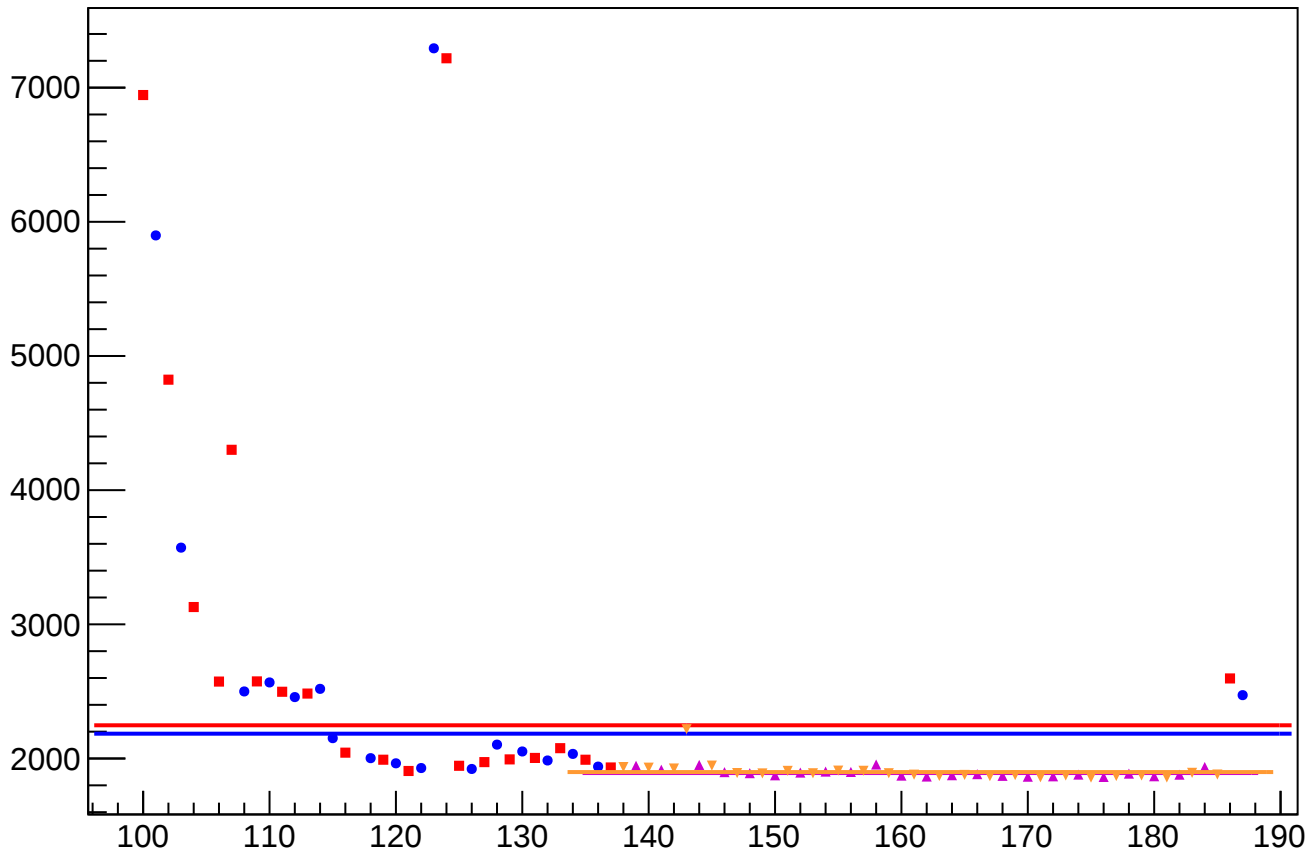
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1070.812 ± 394.567 χ^2/NDF : 49.5/42

All: -239.419 ± 281.126 χ^2/NDF : 112.0/85

- sign 617.797 ± 400.647 χ^2/NDF : 53.5/42

asym_at1_dd_rms vs Slug



Right In: 2184.954+/-0.612 χ^2/NDF : 804991.0/17

Left Out: 1898.962+/-0.313 χ^2/NDF : 38680.4/24

Right Out: 2247.572+/-0.603 χ^2/NDF : 906428.4/19

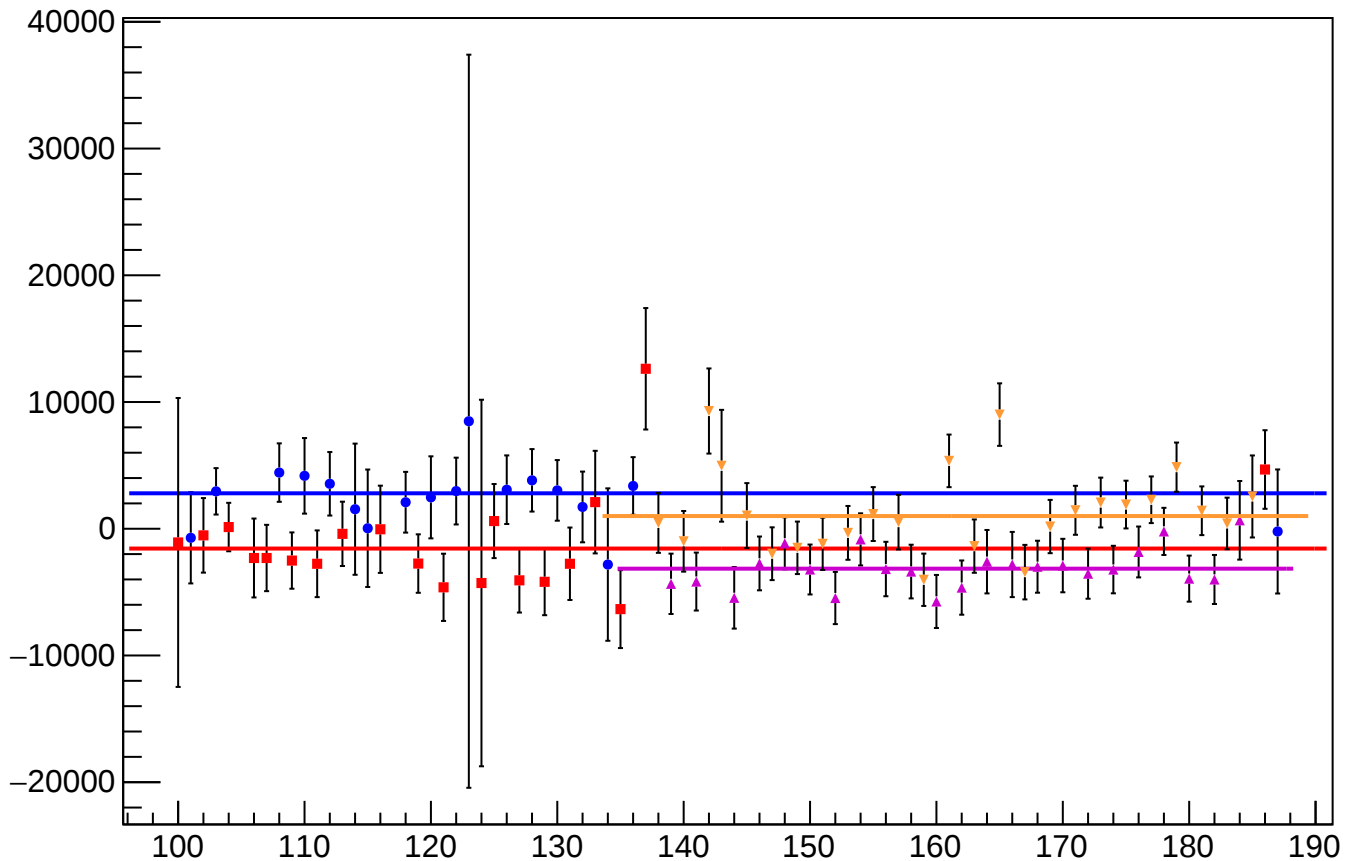
Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

+ sign 1958.302+/-0.279 χ^2/NDF : 1016454.5/42

All: 1964.237+/-0.199 χ^2/NDF : 2202928.3/85

- sign 1970.357+/-0.283 χ^2/NDF : 1185554.7/42

reg_asym_at2_avg_mean vs Slug



Right In: 2797.196 $\pm$ 674.058 χ^2 /NDF: 4.0/17

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF:44.6/24

Right Out: -1562.766 $\pm$ 642.717 χ^2 /NDF: 22.2/19

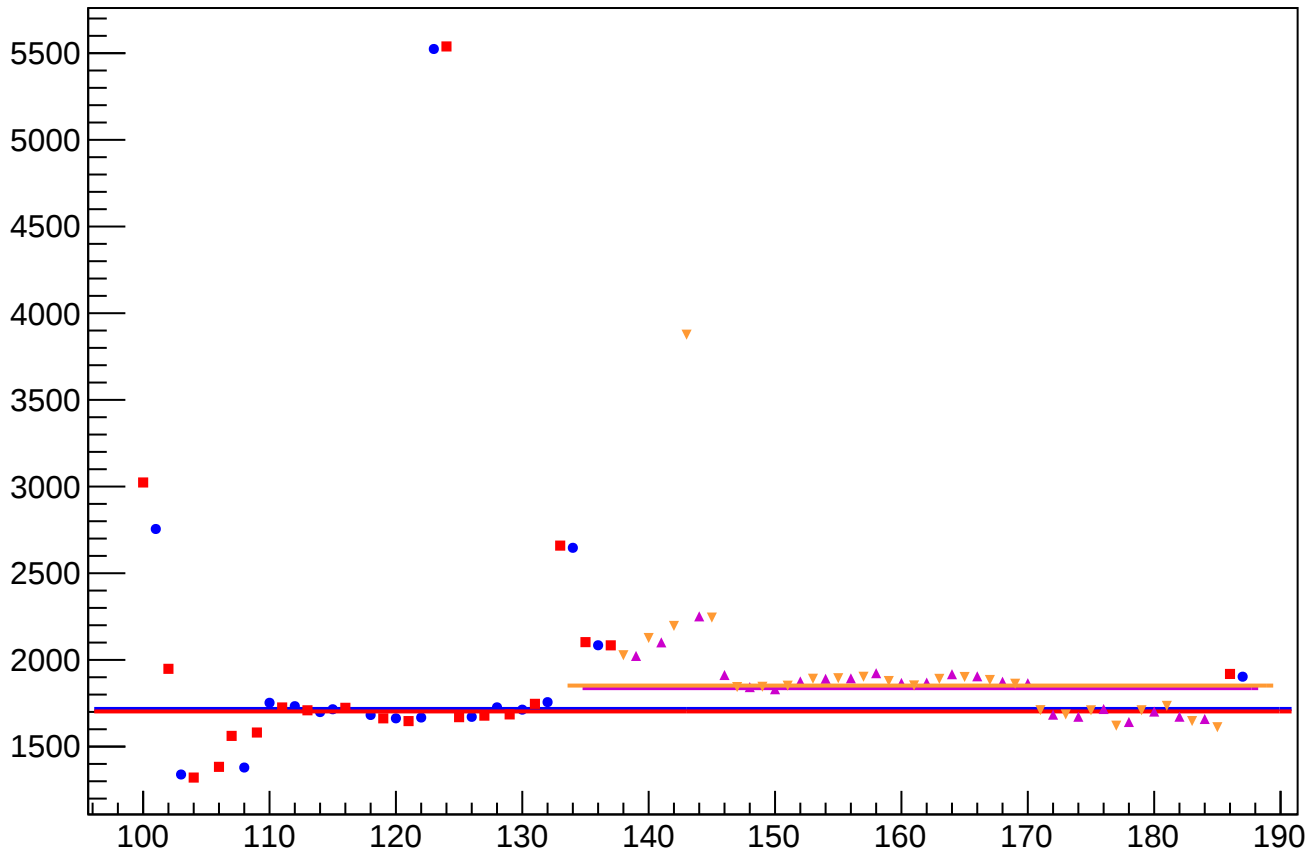
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF:11.8/22

+ sign 1529.726 $\pm$ 365.645 χ^2 /NDF: 53.6/42

All: -567.187 $\pm$ 257.864 χ^2 /NDF: 157.2/85

- sign -2641.999 $\pm$ 363.713 χ^2 /NDF: 38.2/42

reg_asym_at2_avg_rms vs Slug



Right In: 1717.146 $\pm$ 0.477 χ^2 /NDF: 435247.0/17

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1702.805 $\pm$ 0.454 χ^2 /NDF: 464822.6/19

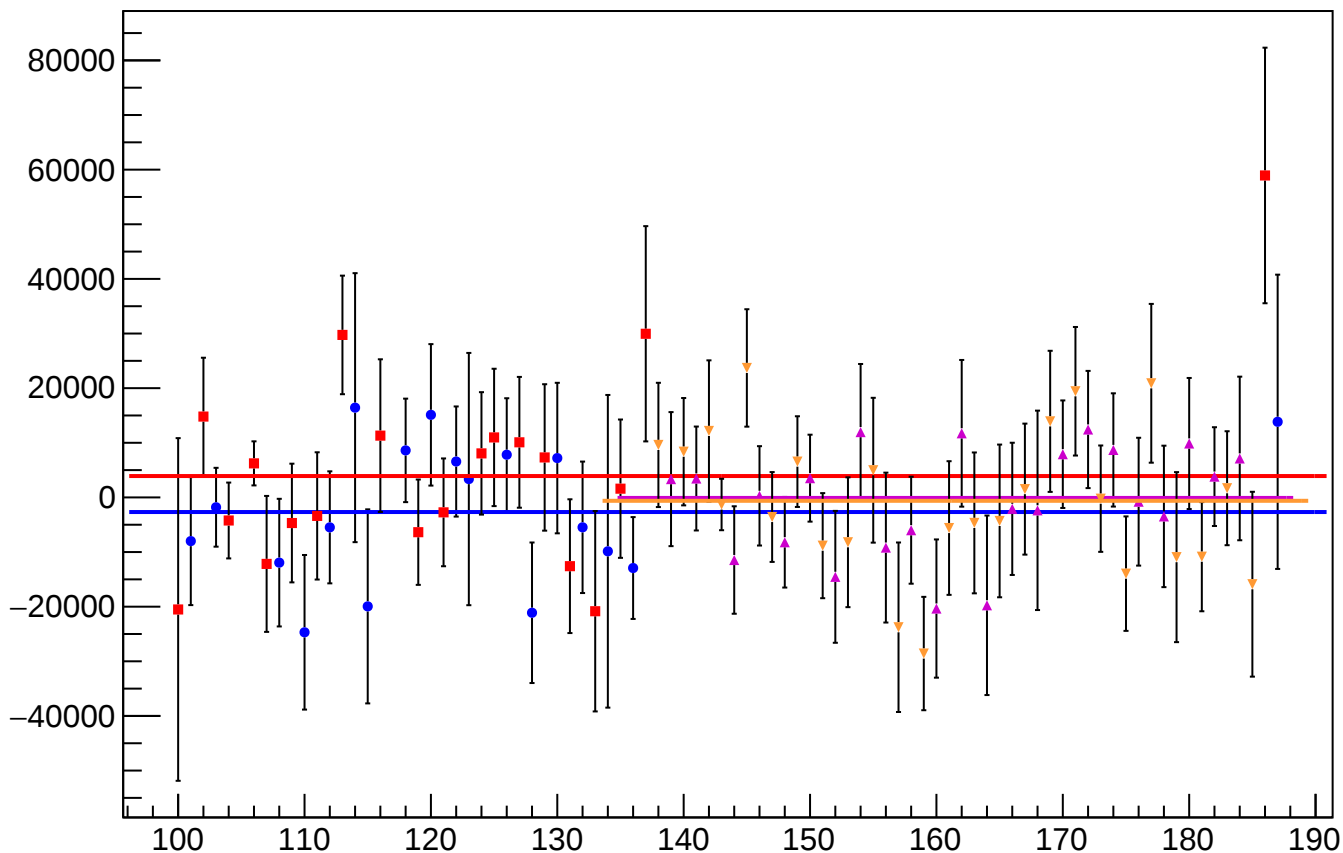
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1812.289 $\pm$ 0.259 χ^2 /NDF: 1140661.6/42

All: 1803.160 $\pm$ 0.182 χ^2 /NDF: 1867879.5/85

- sign 1794.127 $\pm$ 0.257 χ^2 /NDF: 724737.5/42

asym_at2_avg_correction_mean vs Slug



Right In: -2675.162 ± 2843.863 χ^2/NDF : 14.4/17

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 3913.037 ± 2259.172 χ^2/NDF : 25.3/19

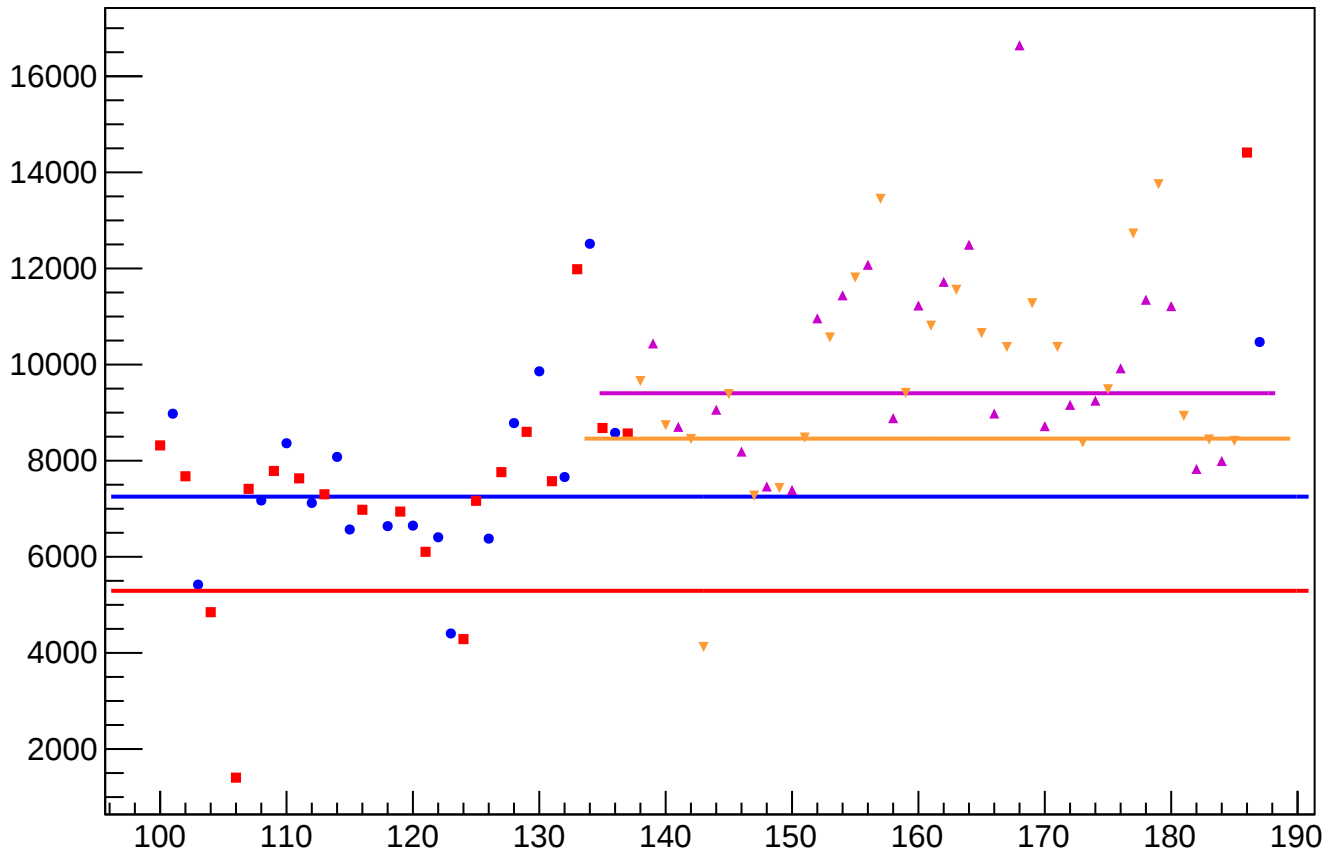
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -1331.204 ± 1673.432 χ^2/NDF : 44.9/42

All: 368.166 ± 1160.064 χ^2/NDF : 88.3/85

- sign 1940.343 ± 1609.588 χ^2/NDF : 41.5/42

asym_at2_avg_correction_rms vs Slug



Right In: 7251.846+/-2.011 χ^2/NDF : 500556.8/17

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

+ sign 8041.642+/-1.183 χ^2/NDF : 3823715.7/42

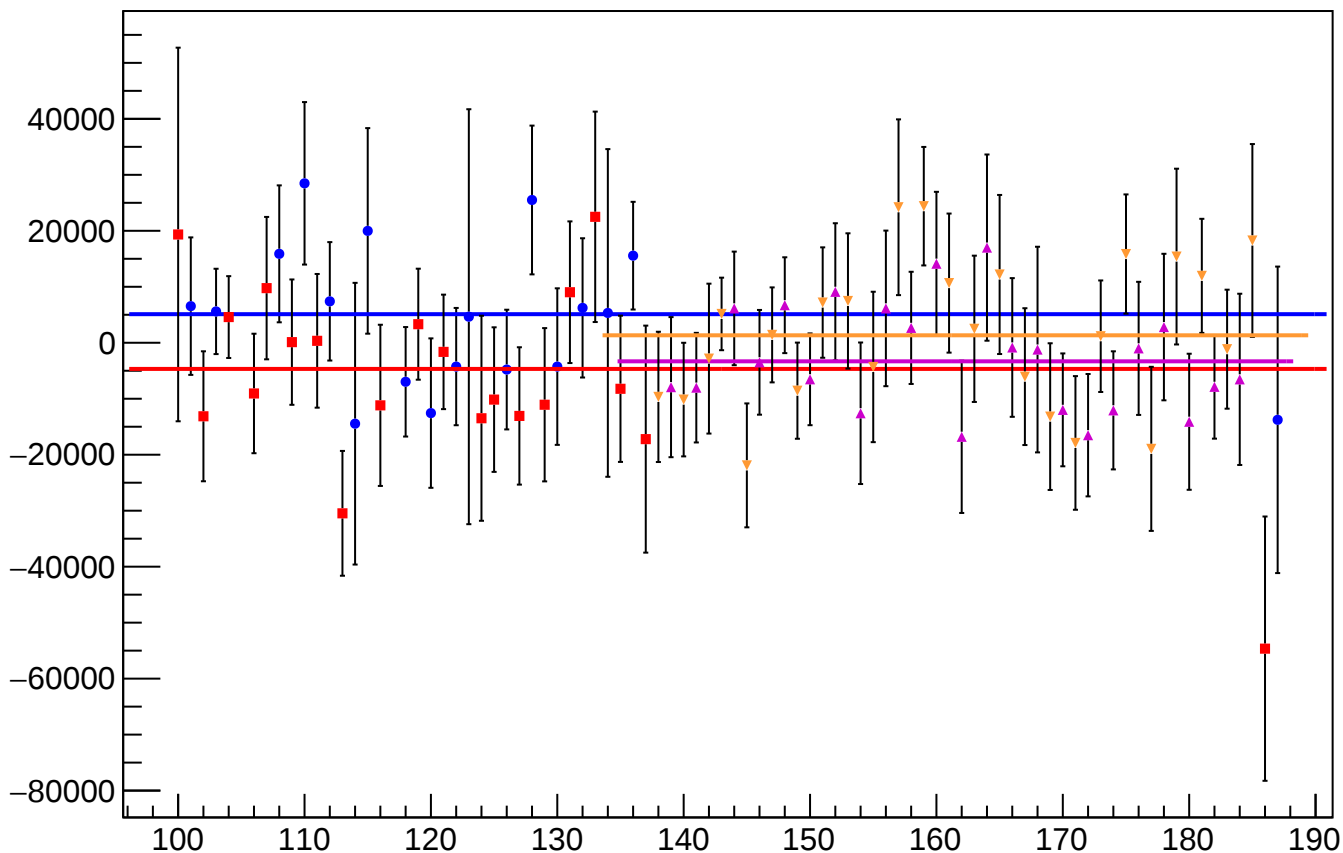
Right Out: 5292.841+/-1.597 χ^2/NDF : 3502999.8/19

All: 7665.170+/-0.820 χ^2/NDF : 11924541.5/8

Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

- sign 7316.876+/-1.138 χ^2/NDF : 7905956.1/42

asym_at2_avg_mean vs Slug



Right In: 5106.367 $\pm$ 2962.109 χ^2 /NDF: 14.1/17

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF:28.0/24

Right Out: -4672.389 $\pm$ 2776.555 χ^2 /NDF: 20.1/19

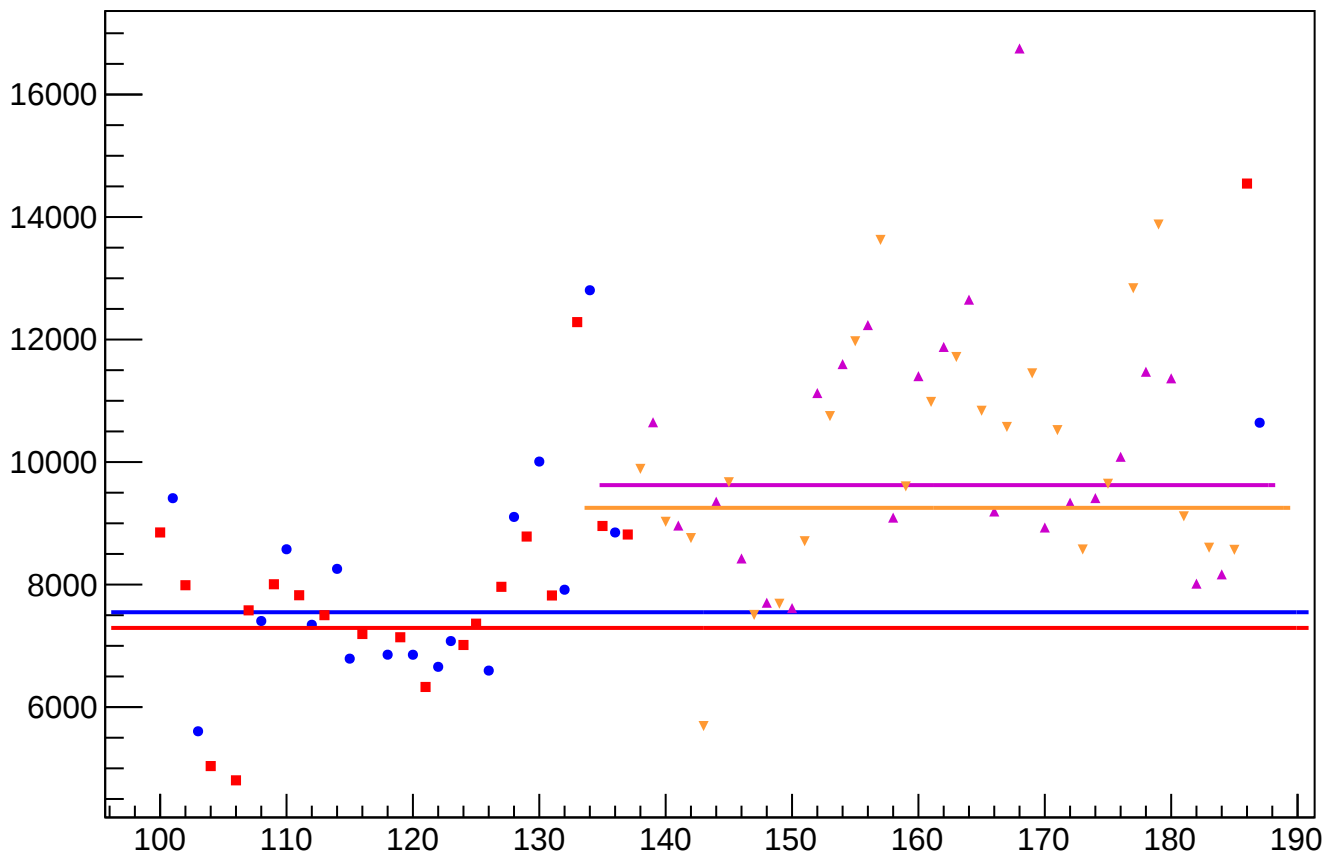
Left In: -3316.909 $\pm$ 2344.543 χ^2 /NDF:13.7/22

+ sign 2685.154 $\pm$ 1773.239 χ^2 /NDF: 43.2/42

All: -564.646 $\pm$ 1260.218 χ^2 /NDF: 83.9/85

- sign -3881.109 $\pm$ 1791.334 χ^2 /NDF: 33.9/42

asym_at2_avg_rms vs Slug



Right In: 7548.598 ± 2.094 χ^2/NDF : 455934.0/17

Left Out: 9252.712 ± 1.565 χ^2/NDF : 1597668.9/24

Right Out: 7292.345 ± 1.963 χ^2/NDF : 750688.5/19

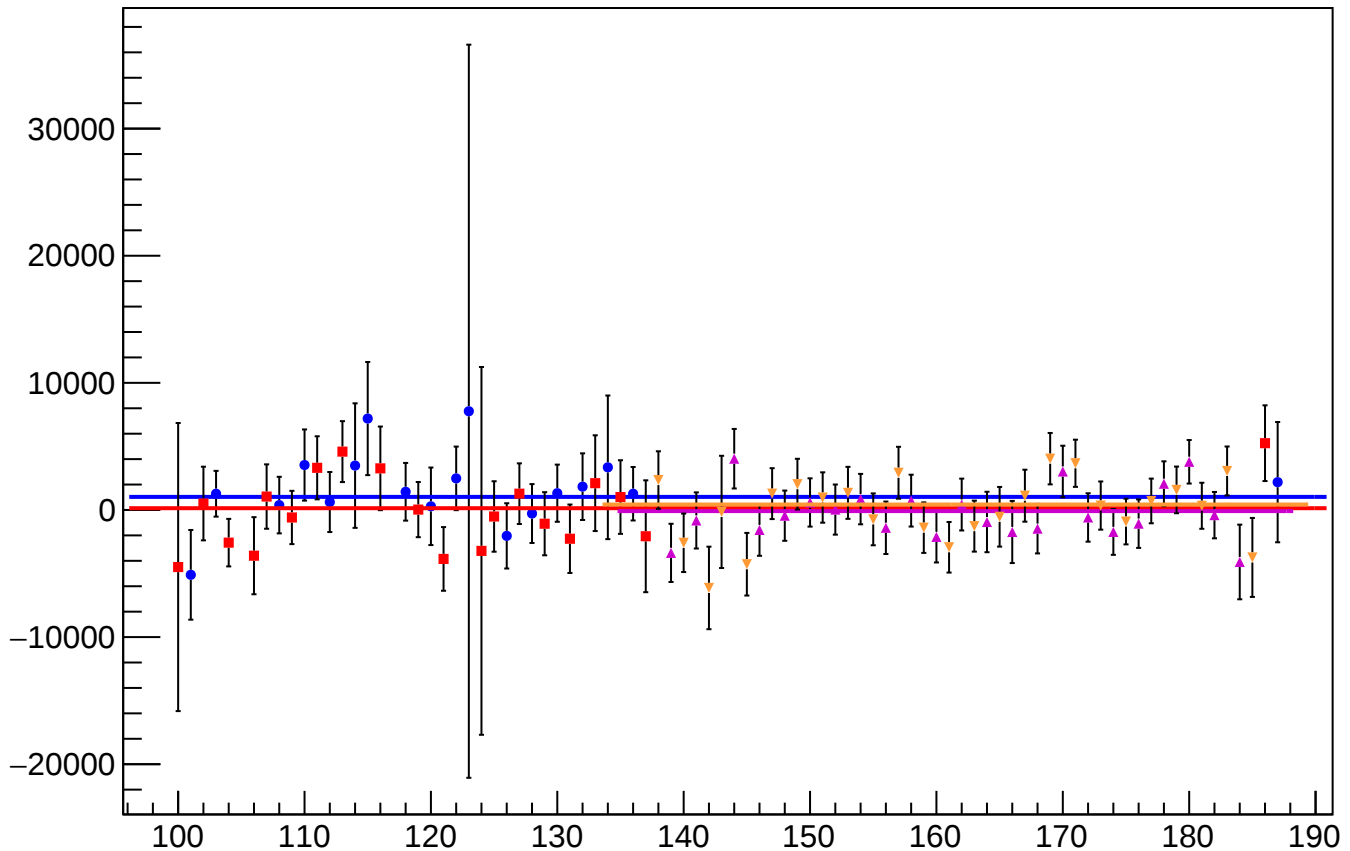
Left In: 9623.485 ± 1.658 χ^2/NDF : 1069924.0/22

+ sign 8641.987 ± 1.254 χ^2/NDF : 2478343.4/42

All: 8647.455 ± 0.891 χ^2/NDF : 5122099.4/85

- sign 8653.035 ± 1.267 χ^2/NDF : 2643717.6/42

reg_asym_at2_dd_mean vs Slug



Right In: 1029.141 $\pm$ 640.587 χ^2 /NDF: 8.7/17

Left Out: 429.447 $\pm$ 416.378 χ^2 /NDF:28.7/24

Right Out: 139.457 $\pm$ 611.857 χ^2 /NDF: 17.5/19

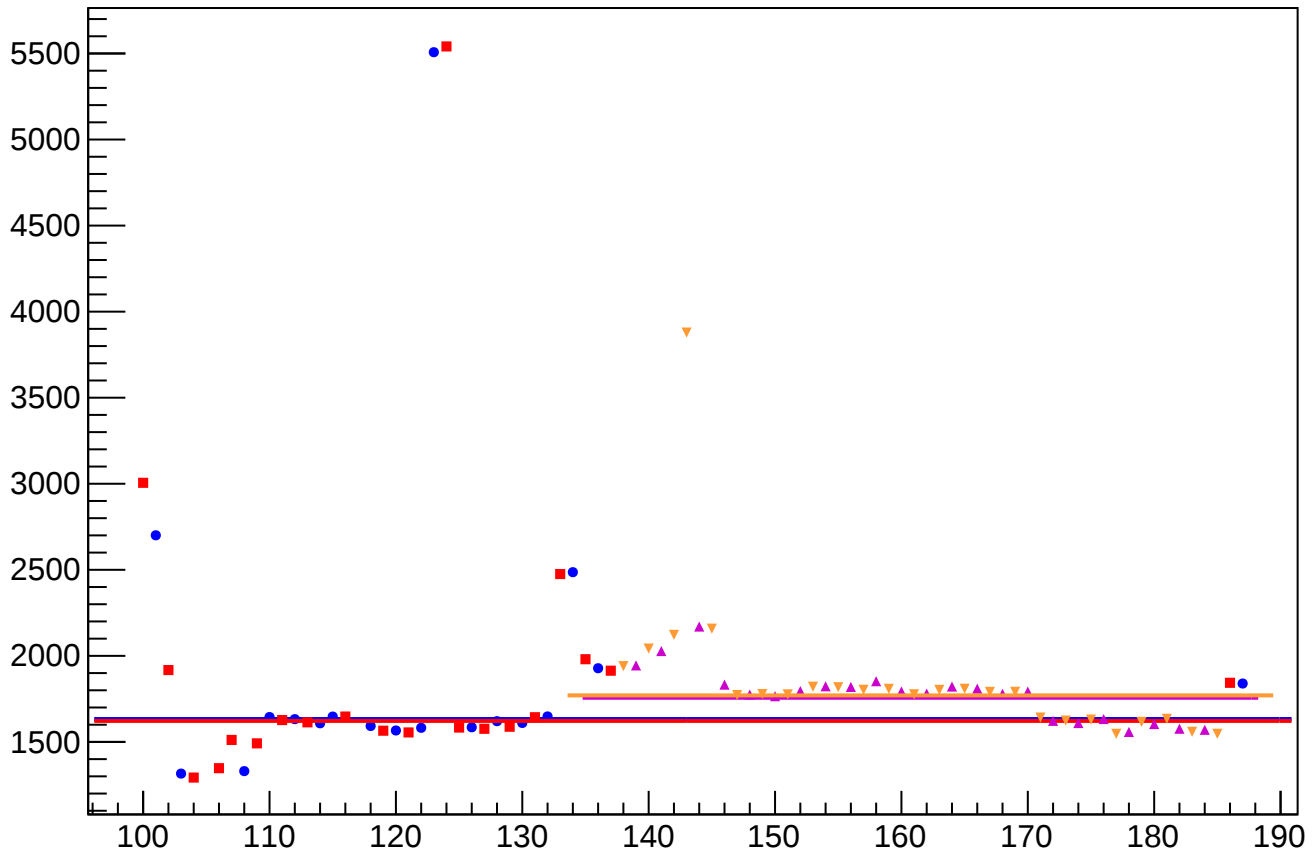
Left In: -88.373 $\pm$ 421.957 χ^2 /NDF:21.0/22

+ sign 607.561 $\pm$ 349.110 χ^2 /NDF: 38.0/42

All: 294.749 $\pm$ 246.239 χ^2 /NDF: 78.2/85

- sign -14.942 $\pm$ 347.364 χ^2 /NDF: 38.6/42

reg_asym_at2_dd_rms vs Slug



Right In: 1633.050 $\pm$ 0.453 χ^2 /NDF: 410616.2/17

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1622.104 $\pm$ 0.433 χ^2 /NDF: 445067.2/19

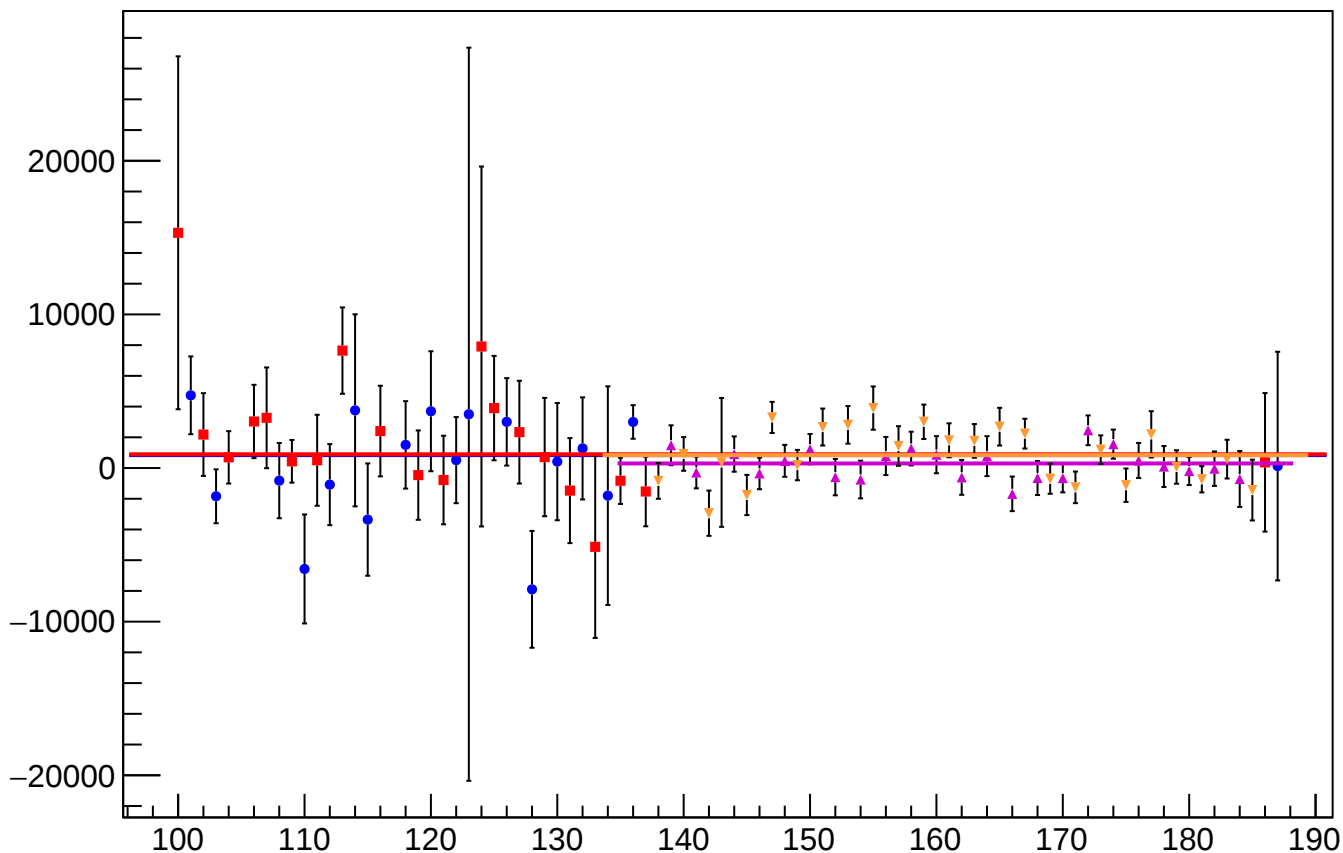
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1729.594 $\pm$ 0.247 χ^2 /NDF: 1174775.1/42

All: 1721.390 $\pm$ 0.174 χ^2 /NDF: 1910632.4/85

- sign 1713.266 $\pm$ 0.246 χ^2 /NDF: 733658.8/42

asym_at2_dd_correction_mean vs Slug



Right In: 841.259+/-630.505 χ^2/NDF : 22.1/17

Left Out: 839.344+/-230.465 χ^2/NDF : 54.4/24

Right Out: 894.045+/-585.477 χ^2/NDF : 15.2/19

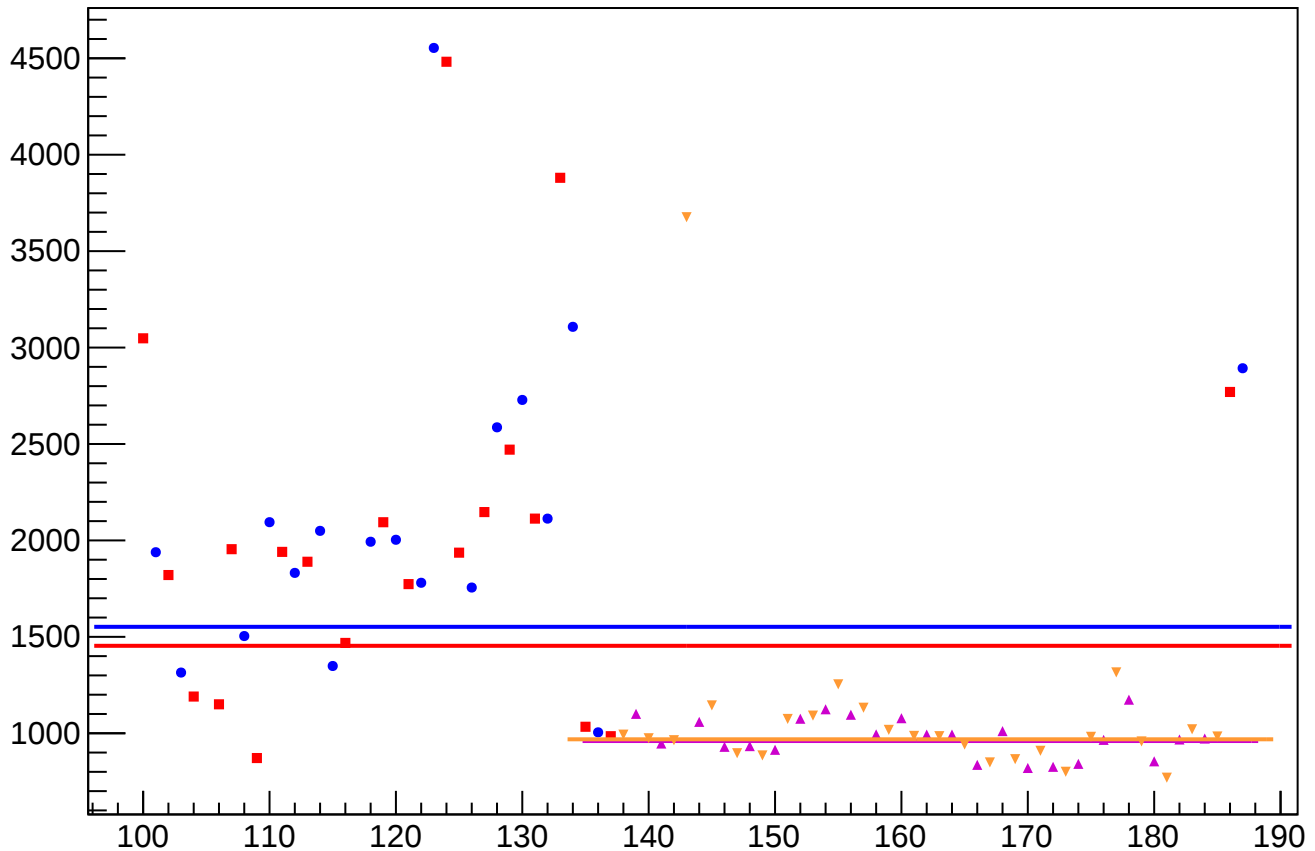
Left In: 298.801+/-231.400 χ^2/NDF : 18.3/22

+ sign 839.569+/-216.458 χ^2/NDF : 76.5/42

All: 608.055+/-152.613 χ^2/NDF : 113.2/85

- sign 379.221+/-215.201 χ^2/NDF : 34.4/42

asym_at2_dd_correction_rms vs Slug



Right In: 1551.983 $\pm$ 0.446 χ^2/NDF : 1358599.6/17

Left Out: 968.712 $\pm$ 0.163 χ^2/NDF : 1393696.6/24

Right Out: 1453.529 $\pm$ 0.414 χ^2/NDF : 1996313.0/19

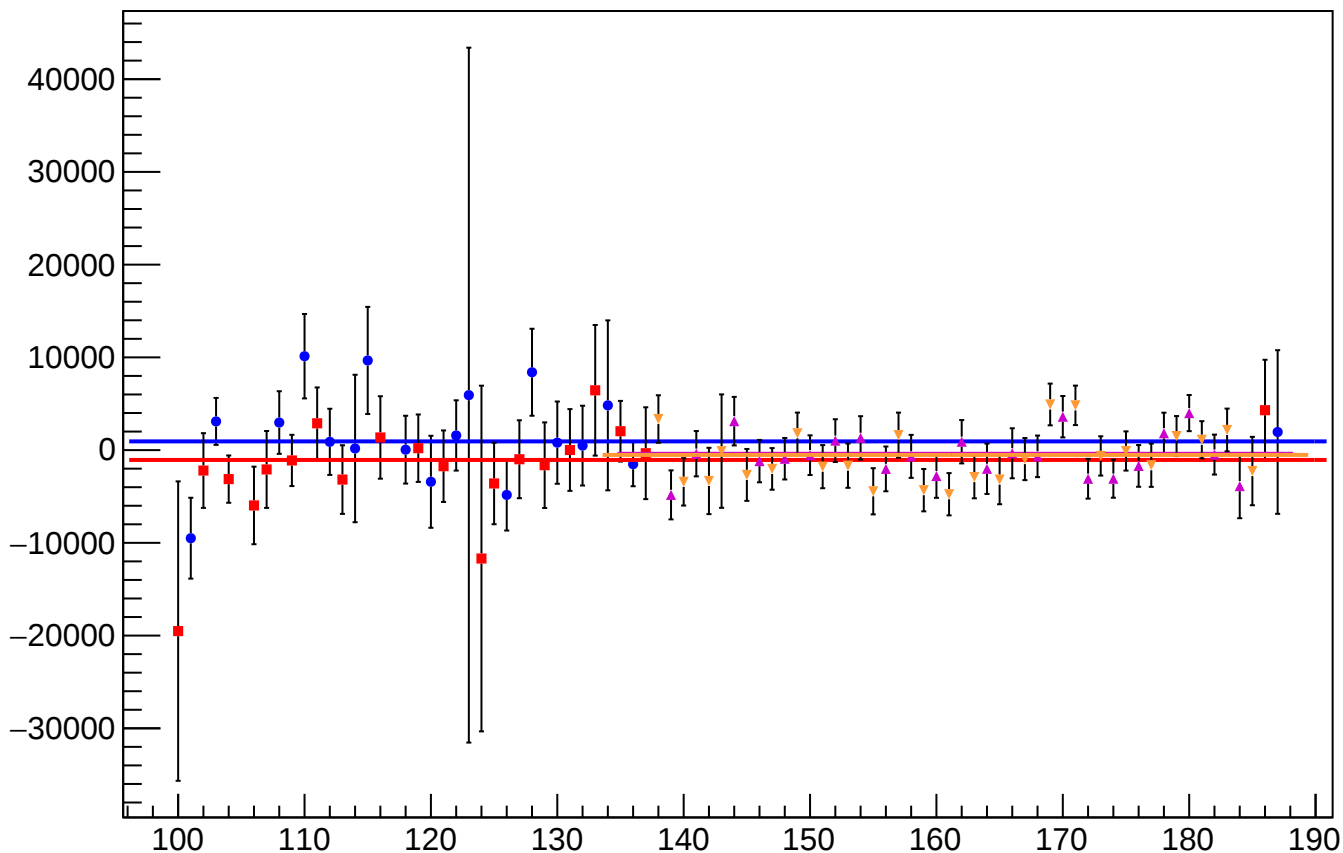
Left In: 959.805 $\pm$ 0.164 χ^2/NDF : 371210.5/22

+ sign 1037.457 $\pm$ 0.153 χ^2/NDF : 4262136.4/42

All: 1031.951 $\pm$ 0.108 χ^2/NDF : 7862340.8/85

- sign 1026.509 $\pm$ 0.152 χ^2/NDF : 3597631.4/42

asym_at2_dd_mean vs Slug



Right In: 940.643 $\pm$ 964.735 χ^2 /NDF: 20.1/17

Left Out: -517.719 $\pm$ 481.486 χ^2 /NDF:34.0/24

Right Out: -1060.333 $\pm$ 914.051 χ^2 /NDF: 9.1/19

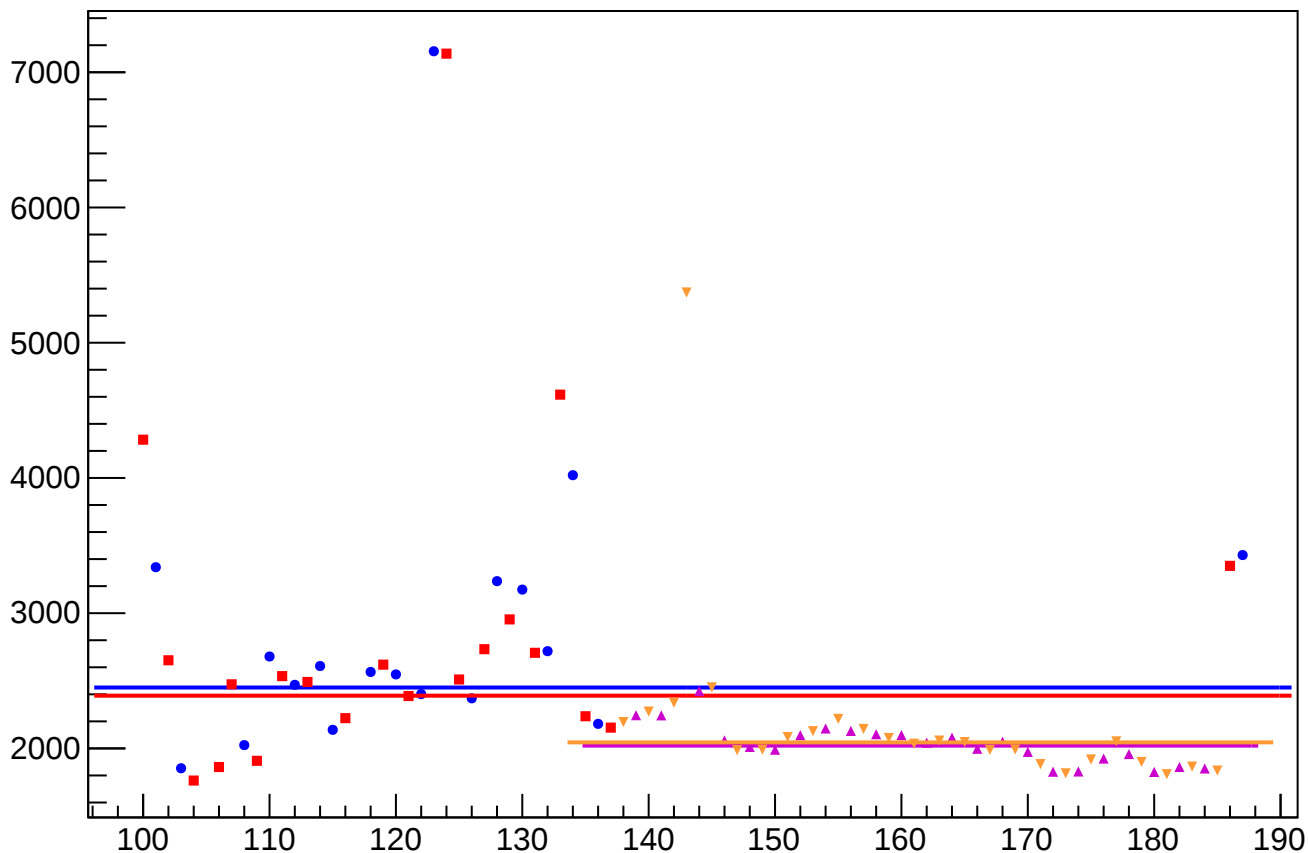
Left In: -397.398 $\pm$ 485.048 χ^2 /NDF:21.8/22

+ sign -226.899 $\pm$ 430.811 χ^2 /NDF: 56.0/42

All: -385.846 $\pm$ 303.794 χ^2 /NDF: 87.6/85

- sign -543.061 $\pm$ 428.458 χ^2 /NDF: 31.3/42

asym_at2_dd_rms vs Slug



Right In: 2450.332 $\pm$ 0.682 χ^2 /NDF: 499892.0/17

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2390.003 $\pm$ 0.646 χ^2 /NDF: 721543.4/19

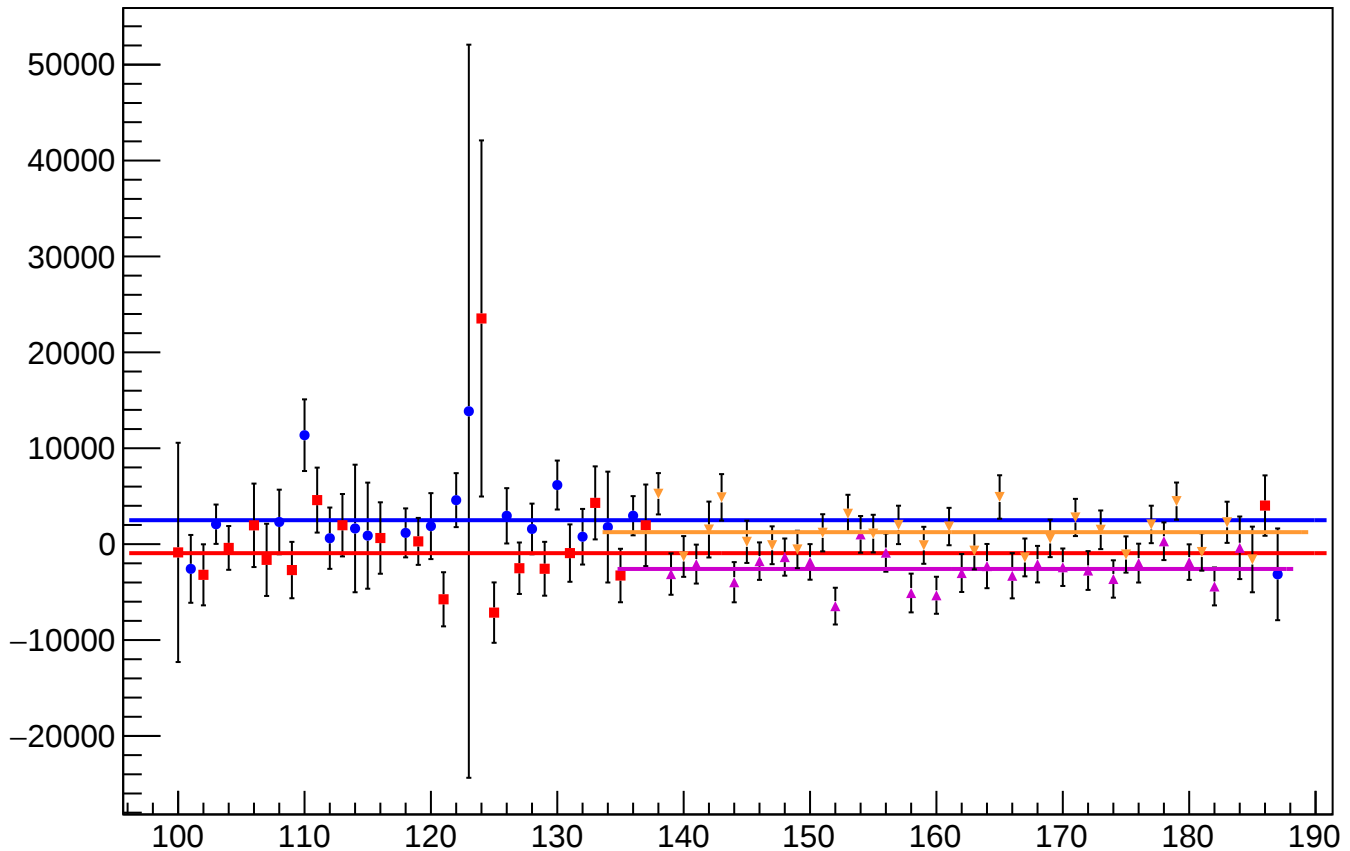
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2125.607 $\pm$ 0.305 χ^2 /NDF: 1571629.7/42

All: 2113.701 $\pm$ 0.215 χ^2 /NDF: 2724319.2/85

- sign 2101.924 $\pm$ 0.303 χ^2 /NDF: 1149650.9/42

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2496.956 $\pm$ 736.273 χ^2 /NDF: 13.1/17

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -940.184 $\pm$ 721.977 χ^2 /NDF: 20.0/19

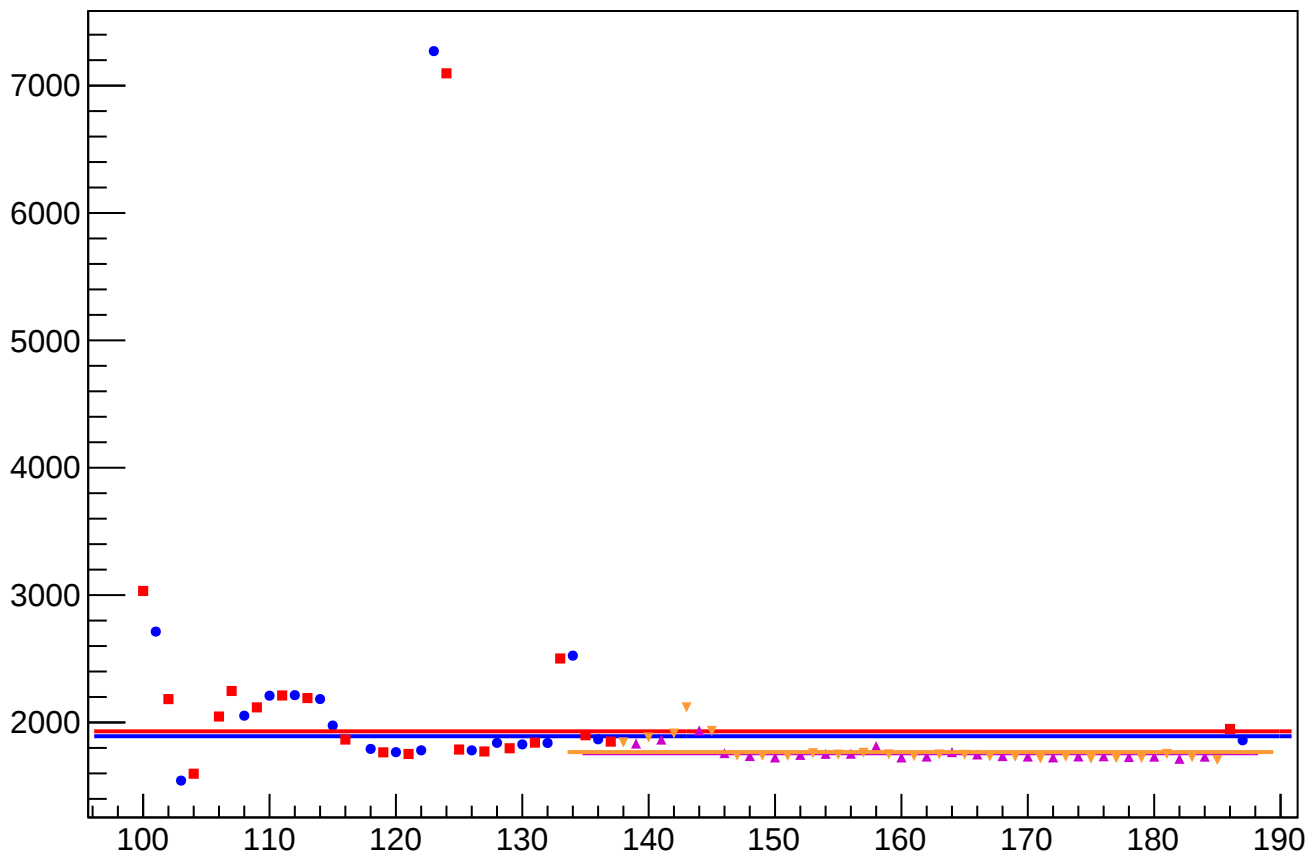
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1547.817 $\pm$ 359.860 χ^2 /NDF: 38.3/42

All: -288.933 $\pm$ 255.915 χ^2 /NDF: 132.4/85

- sign -2168.321 $\pm$ 364.013 χ^2 /NDF: 41.4/42

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1891.596+/-0.521 χ^2 /NDF: 287820.9/17

Left Out: 1767.517+/-0.292 χ^2 /NDF: 77674.7/24

Right Out: 1930.280+/-0.510 χ^2 /NDF: 360353.9/19

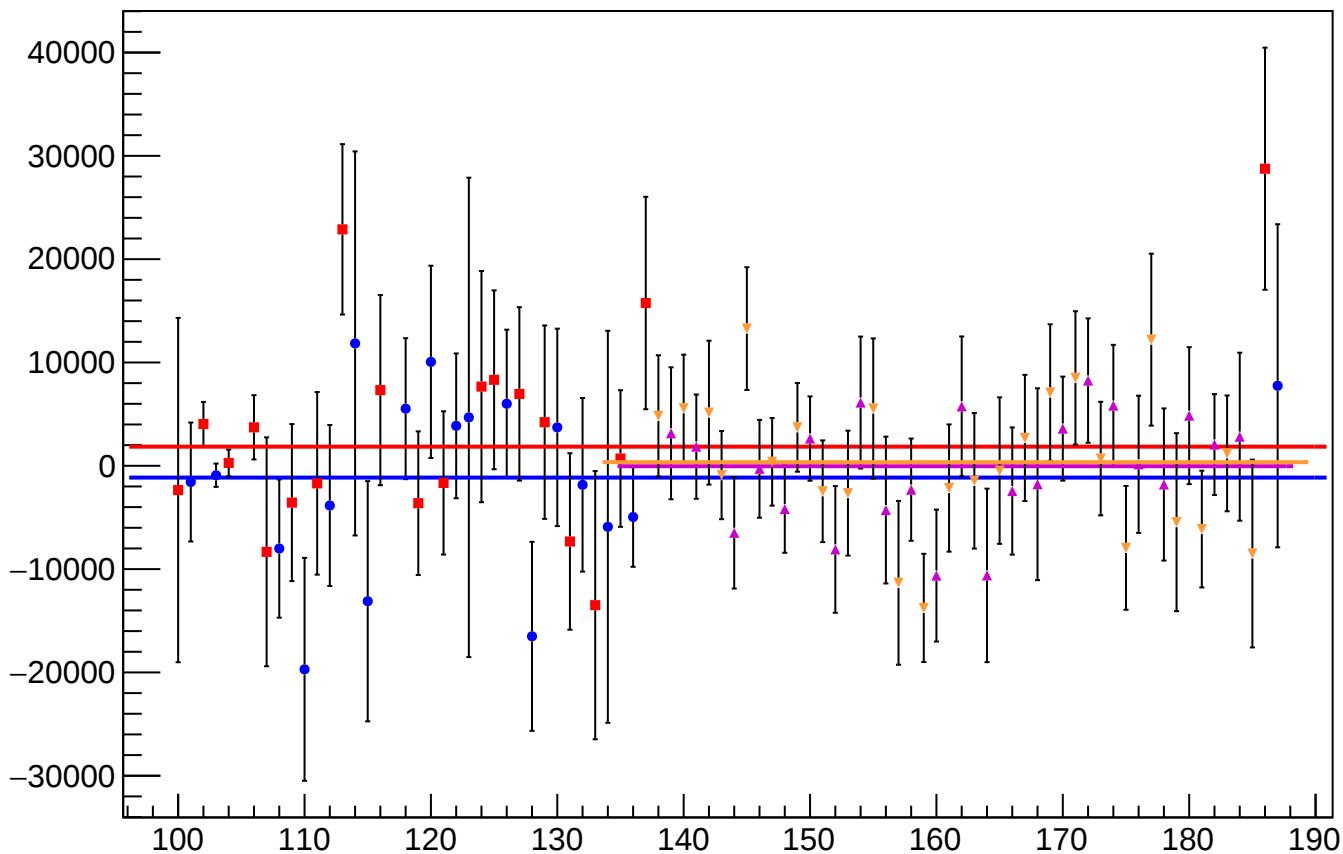
Left In: 1758.076+/-0.298 χ^2 /NDF: 29806.0/22

+ sign 1797.157+/-0.254 χ^2 /NDF: 408727.3/42

All: 1799.527+/-0.181 χ^2 /NDF: 884109.0/85

- sign 1801.949+/-0.257 χ^2 /NDF: 475206.3/42

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1140.000 ± 983.306 χ^2/NDF : 13.8/17

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 1852.995 ± 939.027 χ^2/NDF : 23.2/19

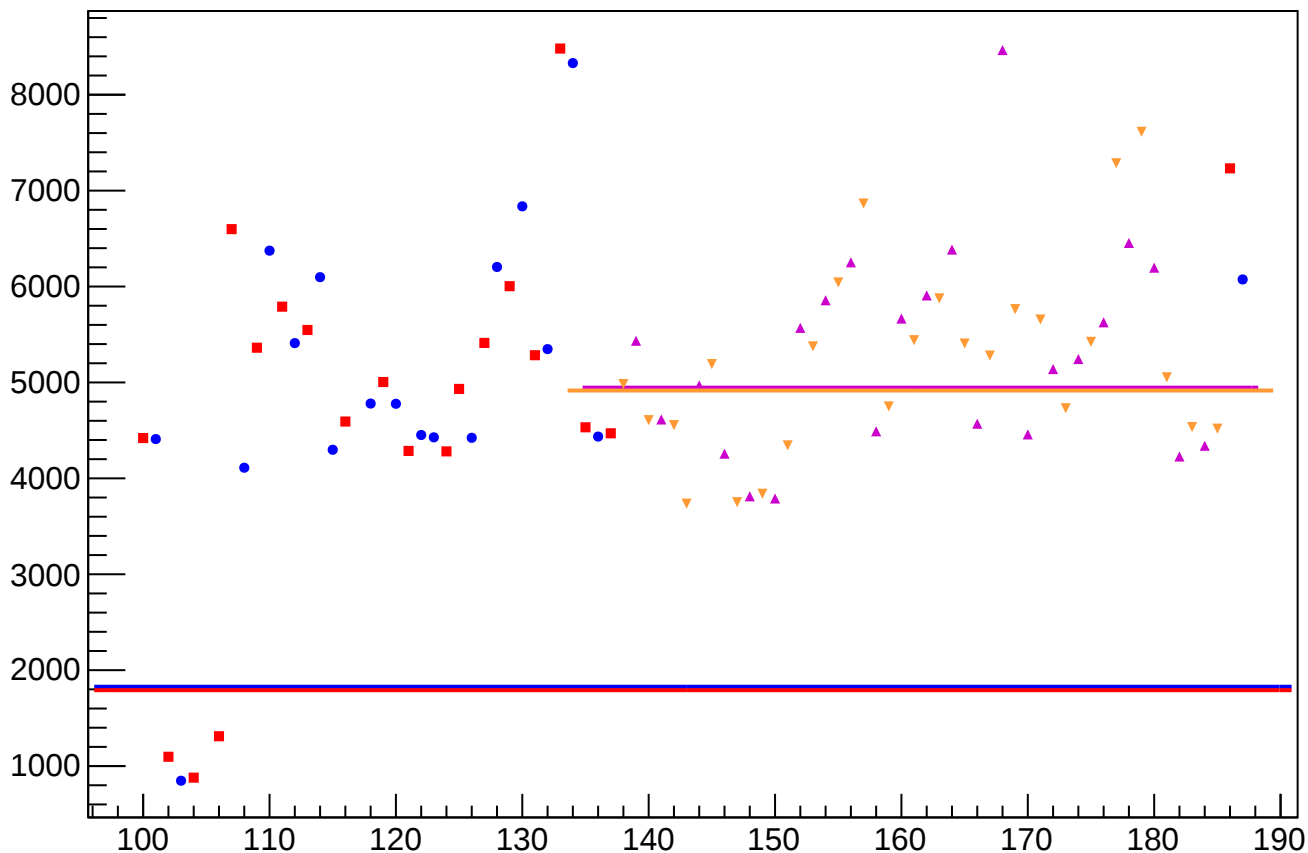
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -522.744 ± 752.775 χ^2/NDF : 42.6/42

All: 321.123 ± 528.175 χ^2/NDF : 85.7/85

- sign 1139.375 ± 741.262 χ^2/NDF : 40.7/42

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1826.950+/-0.695 χ^2/NDF : 6586713.5/17

Left Out: 4915.865+/-0.827 χ^2/NDF : 1186479.7/24

Right Out: 1791.375+/-0.664 χ^2/NDF : 6729548.1/19

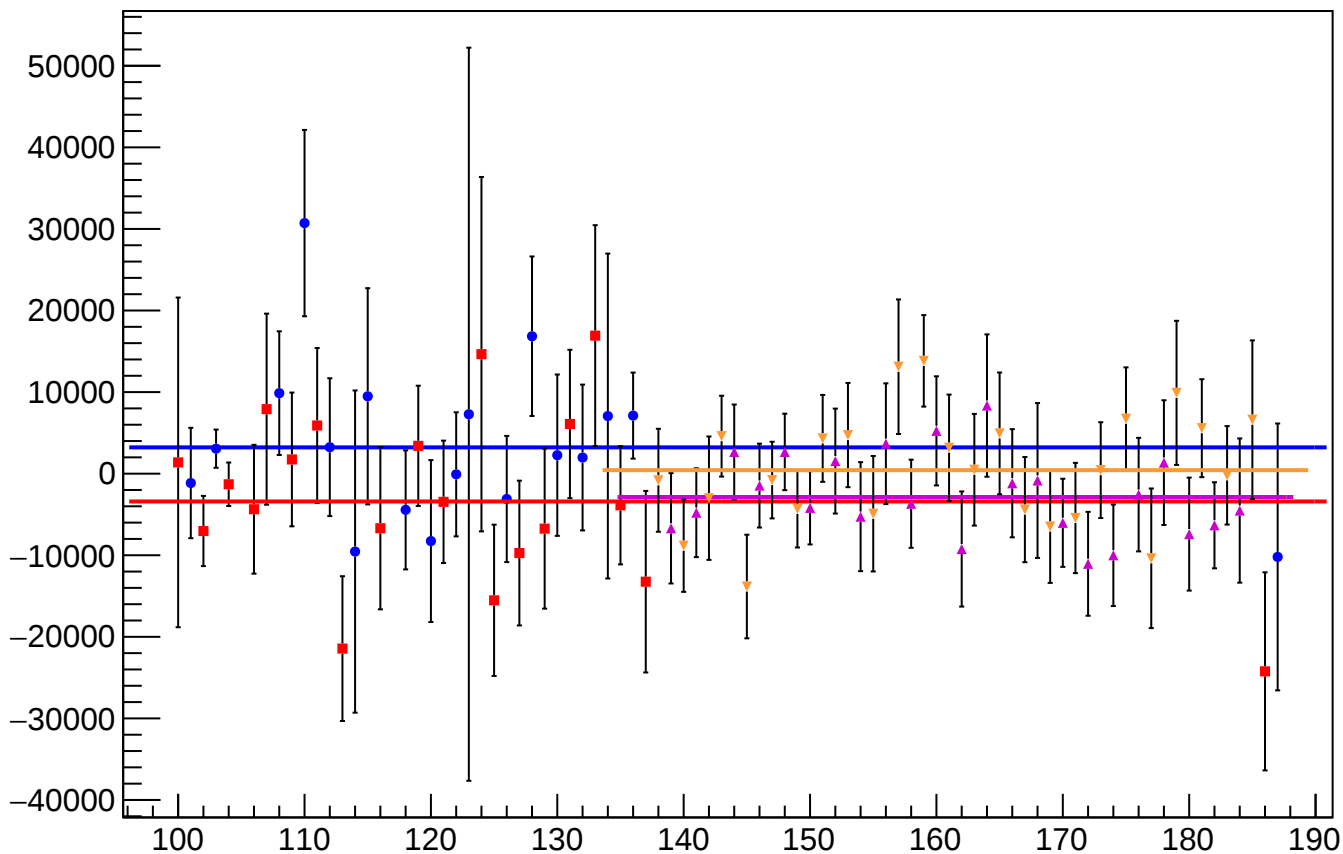
Left In: 4945.817+/-0.854 χ^2/NDF : 1188288.6/22

+ sign 3105.527+/-0.532 χ^2/NDF : 15942509.7/42

All: 3041.871+/-0.373 χ^2/NDF : 32393925.2/8

- sign 2980.147+/-0.524 χ^2/NDF : 16423246.5/42

asym_atl1r2_avg_mean vs Slug



Right In: 3224.319+/-1601.553 χ^2/NDF : 14.2/17

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -3407.538+/-1594.120 χ^2/NDF : 18.9/19

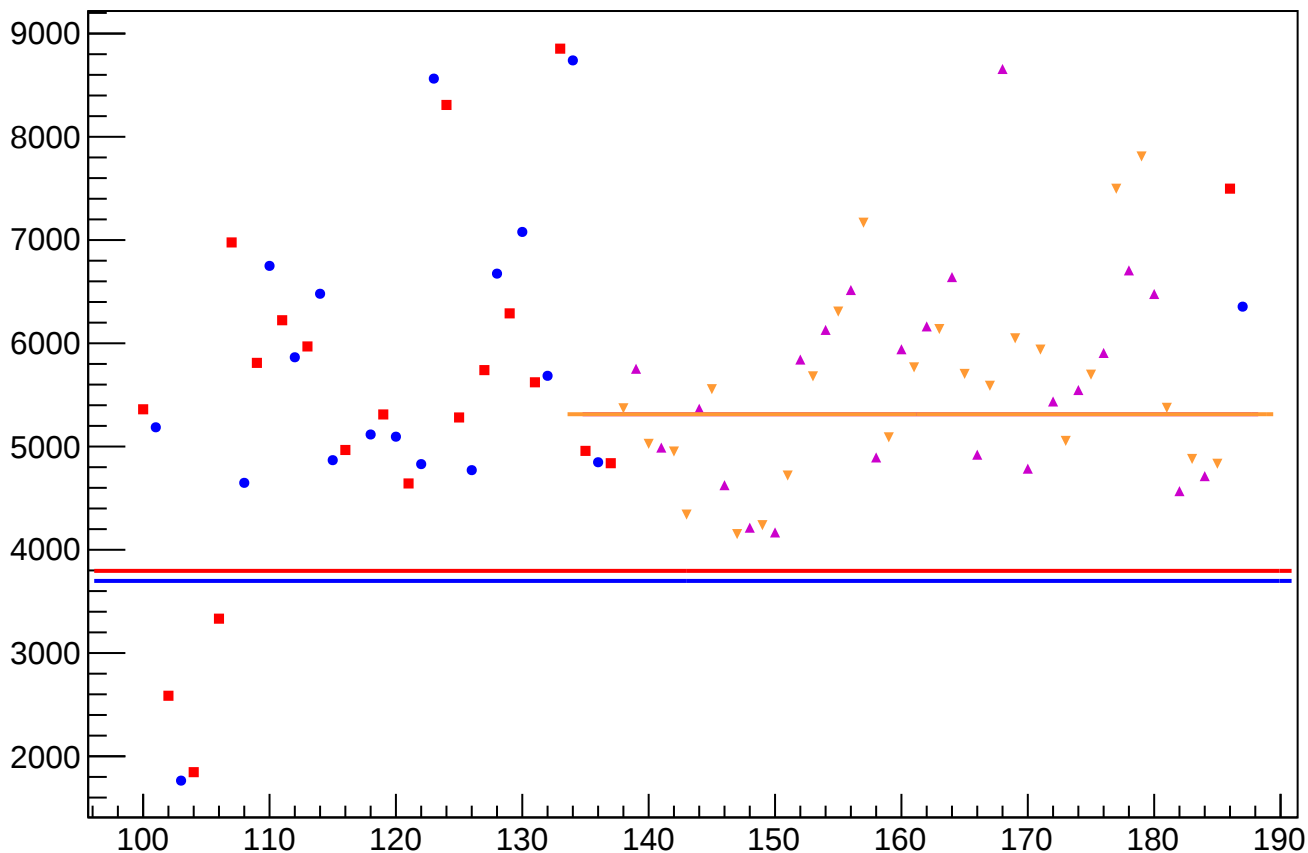
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 1497.039+/-989.430 χ^2/NDF : 43.2/42

All: -756.956+/-704.688 χ^2/NDF : 85.5/85

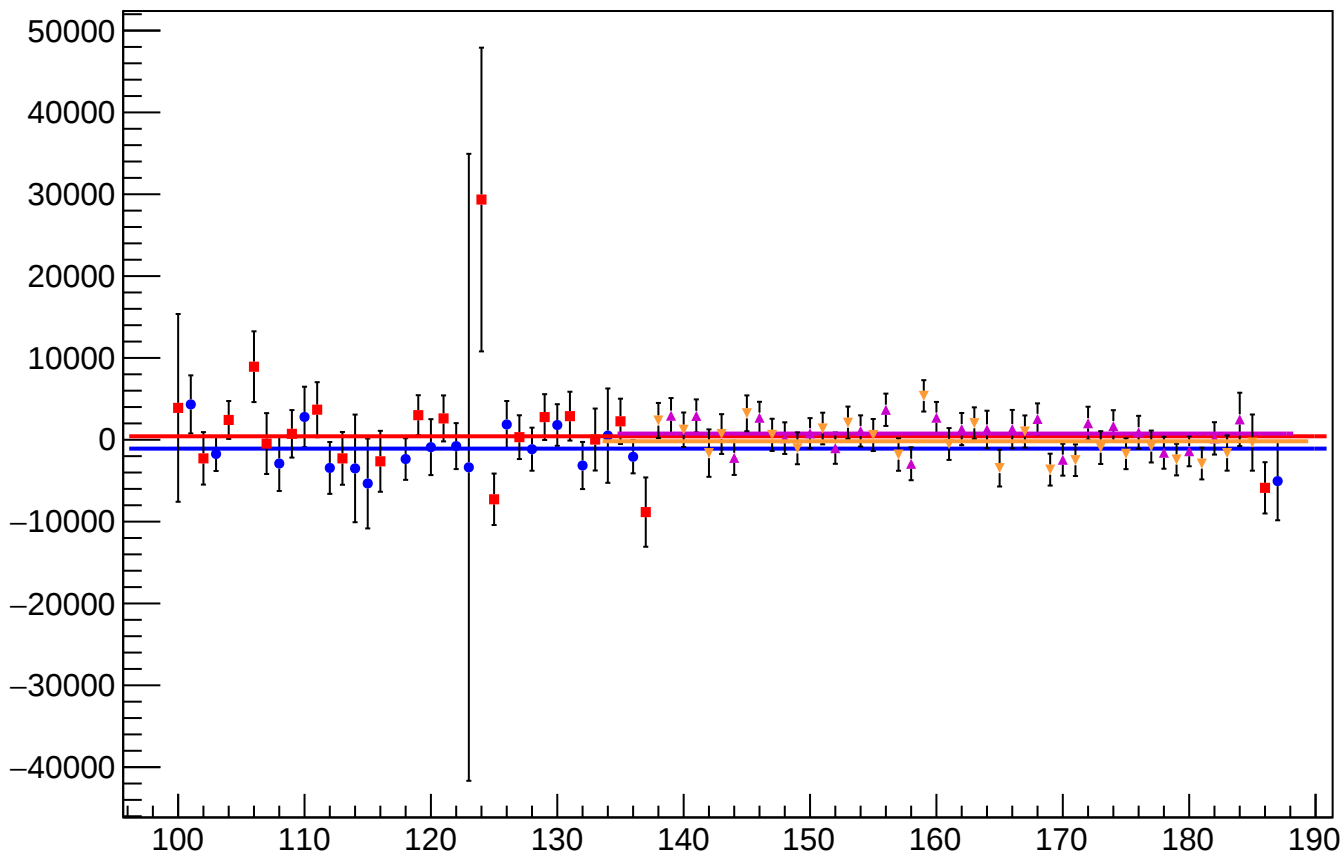
- sign -3077.292+/-1003.886 χ^2/NDF : 31.8/42

asym_atl1r2_avg_rms vs Slug



Right In: 3698.452+/-1.132	χ^2/NDF : 2833437.5/17	+ sign 4696.781+/-0.700	χ^2/NDF : 4984629.6/42
Left Out: 5313.008+/-0.890	χ^2/NDF : 894369.8/24	All: 4701.555+/-0.498	χ^2/NDF : 9925473.8/85
Right Out: 3795.768+/-1.120	χ^2/NDF : 2881638.7/19	- sign 4706.445+/-0.708	χ^2/NDF : 4940750.0/42
Left In: 5312.861+/-0.914	χ^2/NDF : 957400.7/22		

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1079.898 ± 734.051 χ^2/NDF : 9.2/17

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: 426.962 ± 719.833 χ^2/NDF : 28.6/19

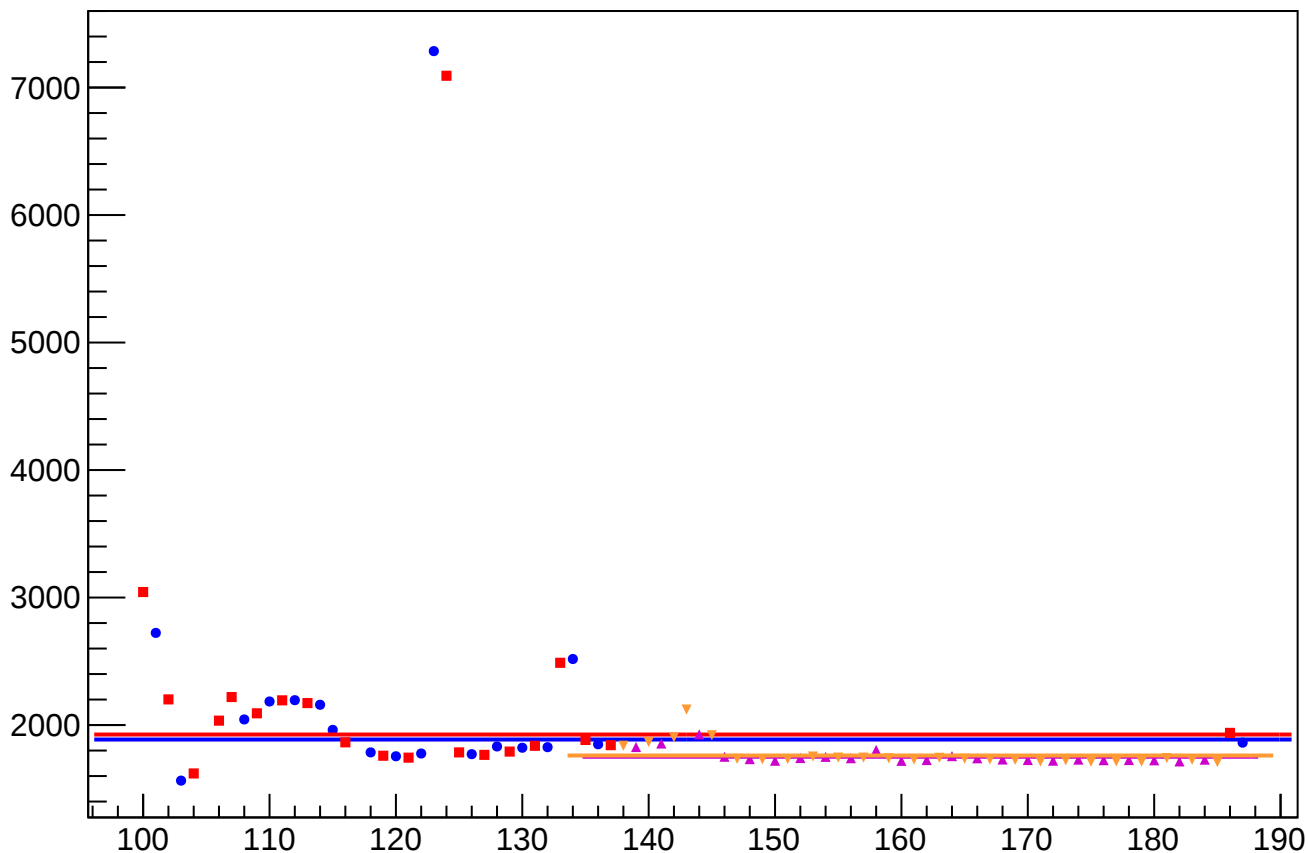
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -394.605 ± 358.598 χ^2/NDF : 39.6/42

All: 134.238 ± 255.007 χ^2/NDF : 93.1/85

- sign 675.262 ± 362.705 χ^2/NDF : 49.0/42

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1886.454+/-0.519 χ^2/NDF : 279216.8/17

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1925.537+/-0.508 χ^2/NDF : 349593.0/19

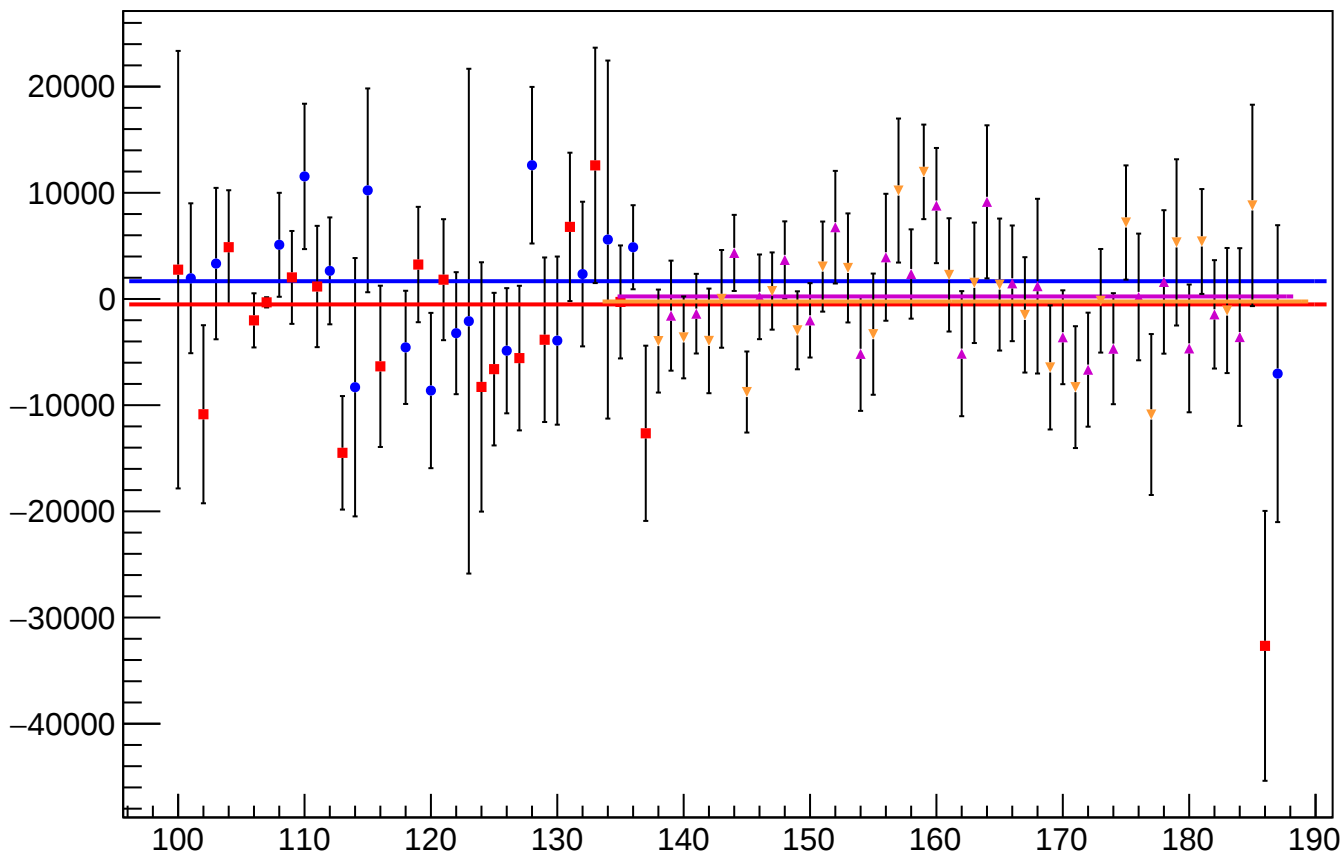
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1791.009+/-0.254 χ^2/NDF : 401097.3/42

All: 1793.340+/-0.180 χ^2/NDF : 866944.0/85

- sign 1795.723+/-0.256 χ^2/NDF : 465675.8/42

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1675.194 $\pm$ 1575.232 χ^2 /NDF: 13.3/17

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF: 28.9/24

Right Out: -510.566 $\pm$ 453.476 χ^2 /NDF: 24.5/19

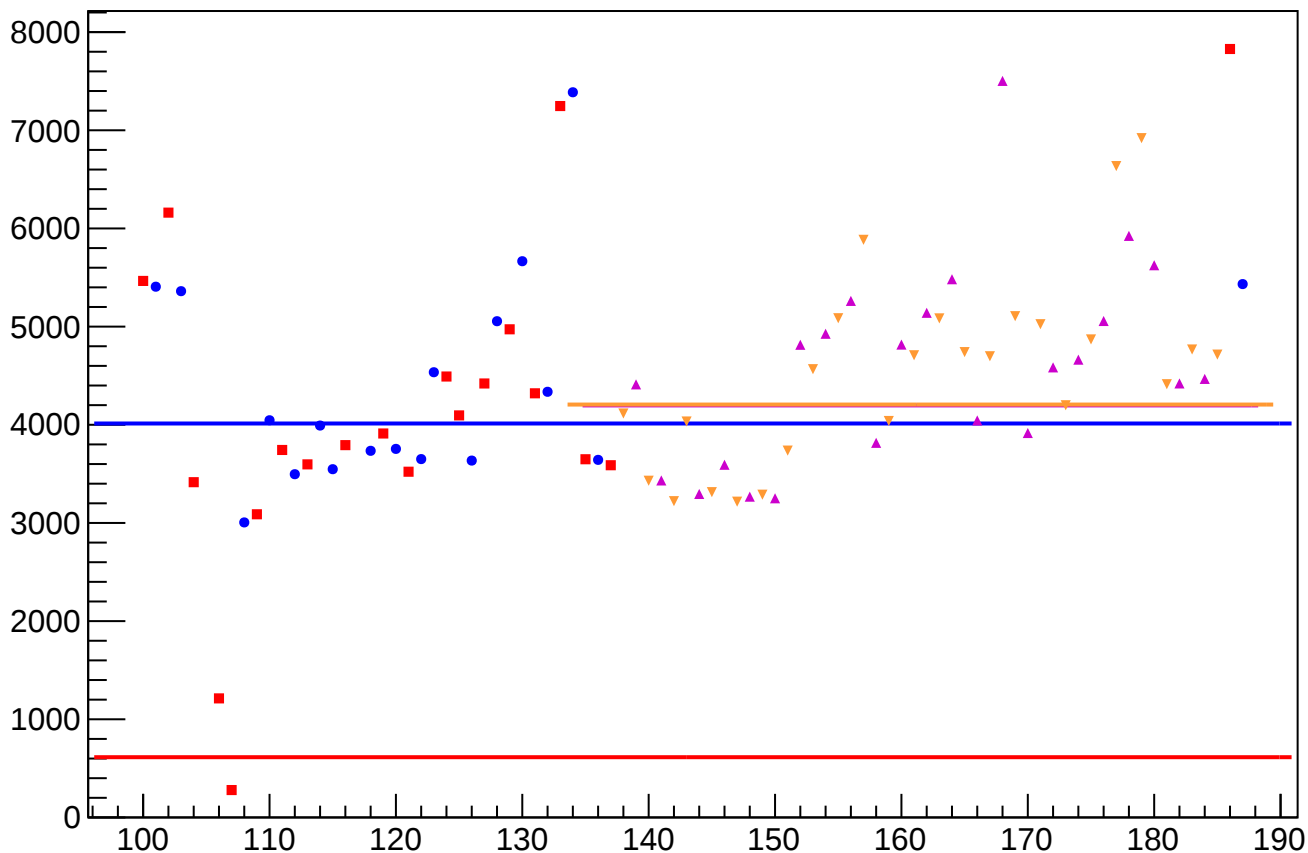
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF: 15.3/22

+ sign 317.142 $\pm$ 847.337 χ^2 /NDF: 43.2/42

All: -252.089 $\pm$ 372.670 χ^2 /NDF: 84.0/85

- sign -388.606 $\pm$ 414.959 χ^2 /NDF: 40.3/42

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4013.110+/-1.114 χ^2/NDF : 535023.6/17

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 613.795+/-0.321 χ^2/NDF : 10858607.9/19

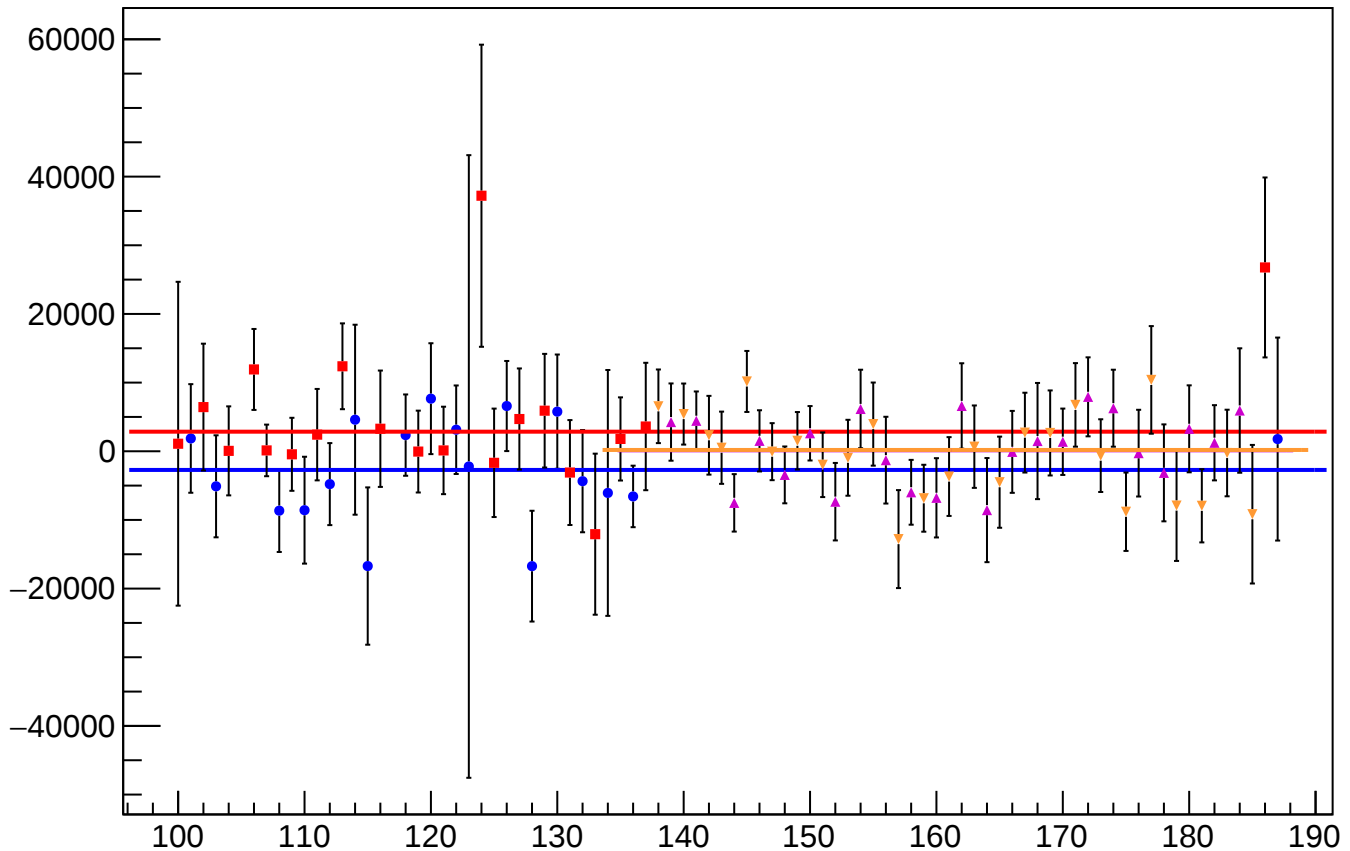
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4150.241+/-0.599 χ^2/NDF : 1998621.3/42

All: 1768.005+/-0.264 χ^2/NDF : 54242505.2/8

- sign 1196.680+/-0.293 χ^2/NDF : 32644215.1/42

asym_atl1r2_dd_mean vs Slug



Right In: -2719.924 ± 1778.341 χ^2/NDF : 14.1/17

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2852.655 ± 1566.646 χ^2/NDF : 14.9/19

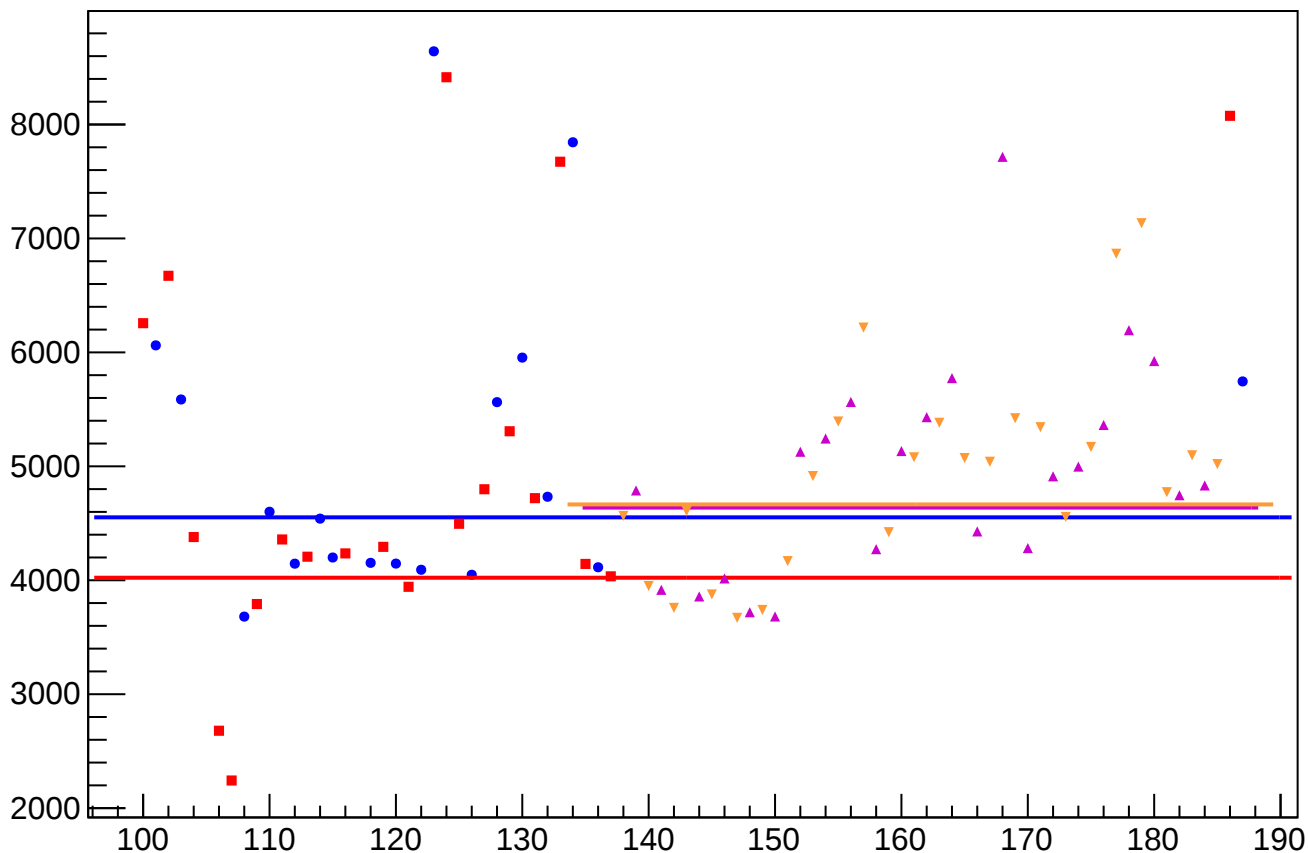
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -622.716 ± 939.702 χ^2/NDF : 41.0/42

All: 243.083 ± 656.036 χ^2/NDF : 78.2/85

- sign 1066.280 ± 916.291 χ^2/NDF : 35.5/42

asym_atl1r2_dd_rms vs Slug



Right In: 4552.266+/-1.257 χ^2/NDF : 406421.6/17

Left Out: 4665.620+/-0.783 χ^2/NDF :1017235.0/24

Right Out: 4022.300+/-1.101 χ^2/NDF : 1336204.5/19

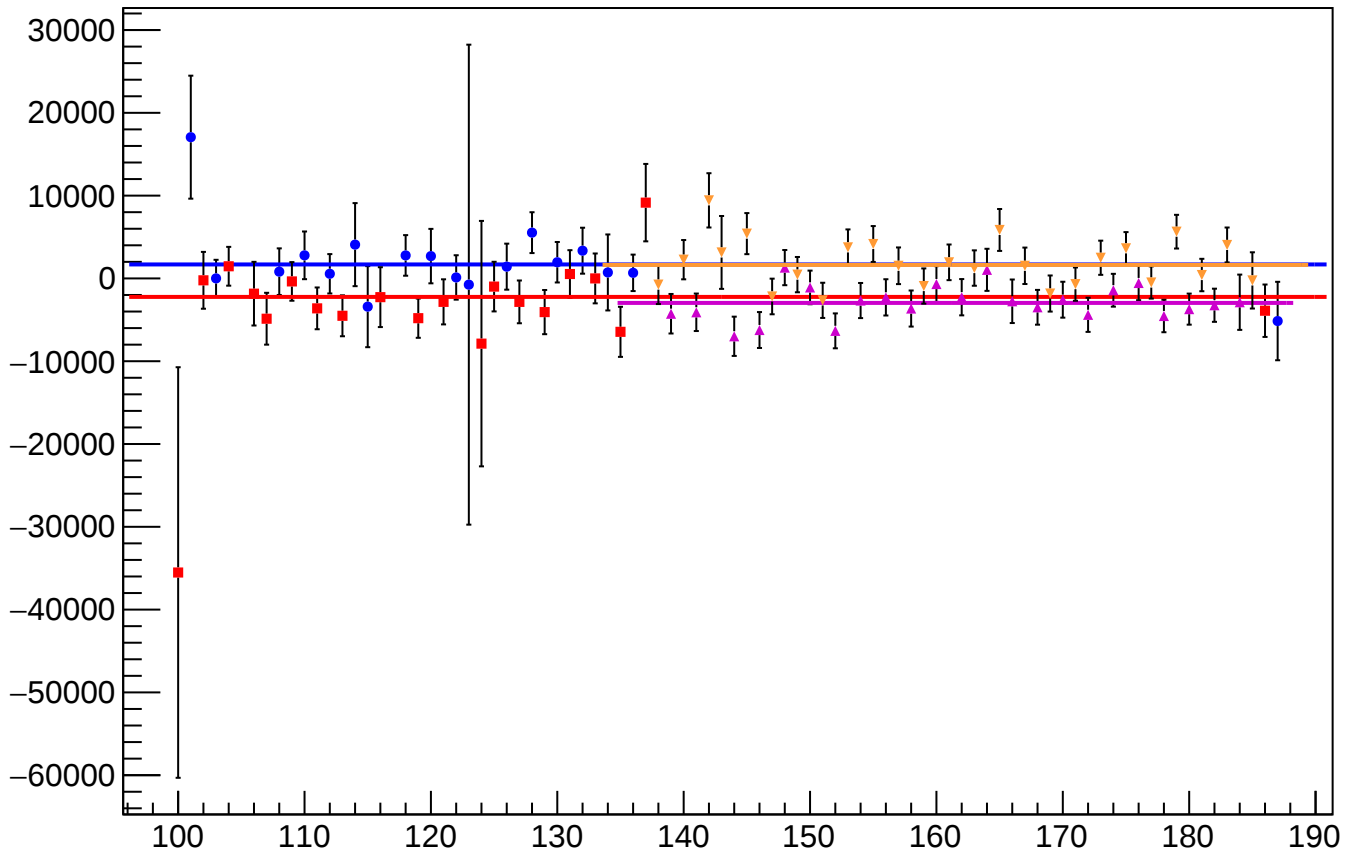
Left In: 4637.777+/-0.799 χ^2/NDF :1065217.2/22

+ sign 4633.969+/-0.664 χ^2/NDF : 1429513.6/42

All: 4526.866+/-0.463 χ^2/NDF : 4086298.6/85

- sign 4425.476+/-0.647 χ^2/NDF : 2606209.0/42

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1688.009+/-705.274 χ^2/NDF : 12.4/17

Left Out: 1630.035+/-447.063 χ^2/NDF : 35.4/24

Right Out: -2232.976+/-670.488 χ^2/NDF : 18.8/19

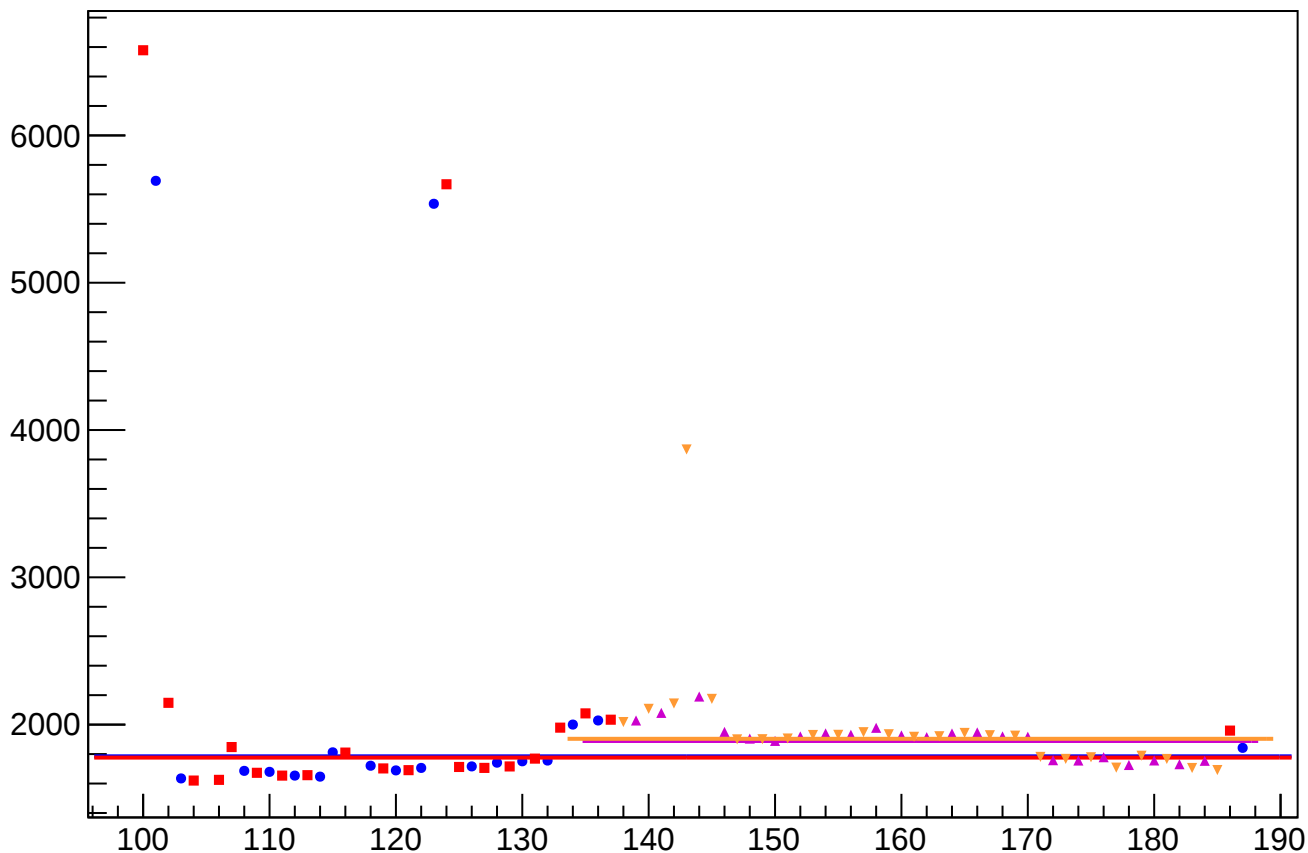
Left In: -2958.620+/-453.688 χ^2/NDF : 20.4/22

+ sign 1646.652+/-377.593 χ^2/NDF : 47.8/42

All: -552.743+/-266.345 χ^2/NDF : 155.4/85

- sign -2730.722+/-375.750 χ^2/NDF : 40.1/42

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1784.781+/-0.499 χ^2/NDF : 644926.7/17

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1776.119+/-0.471 χ^2/NDF : 313039.9/19

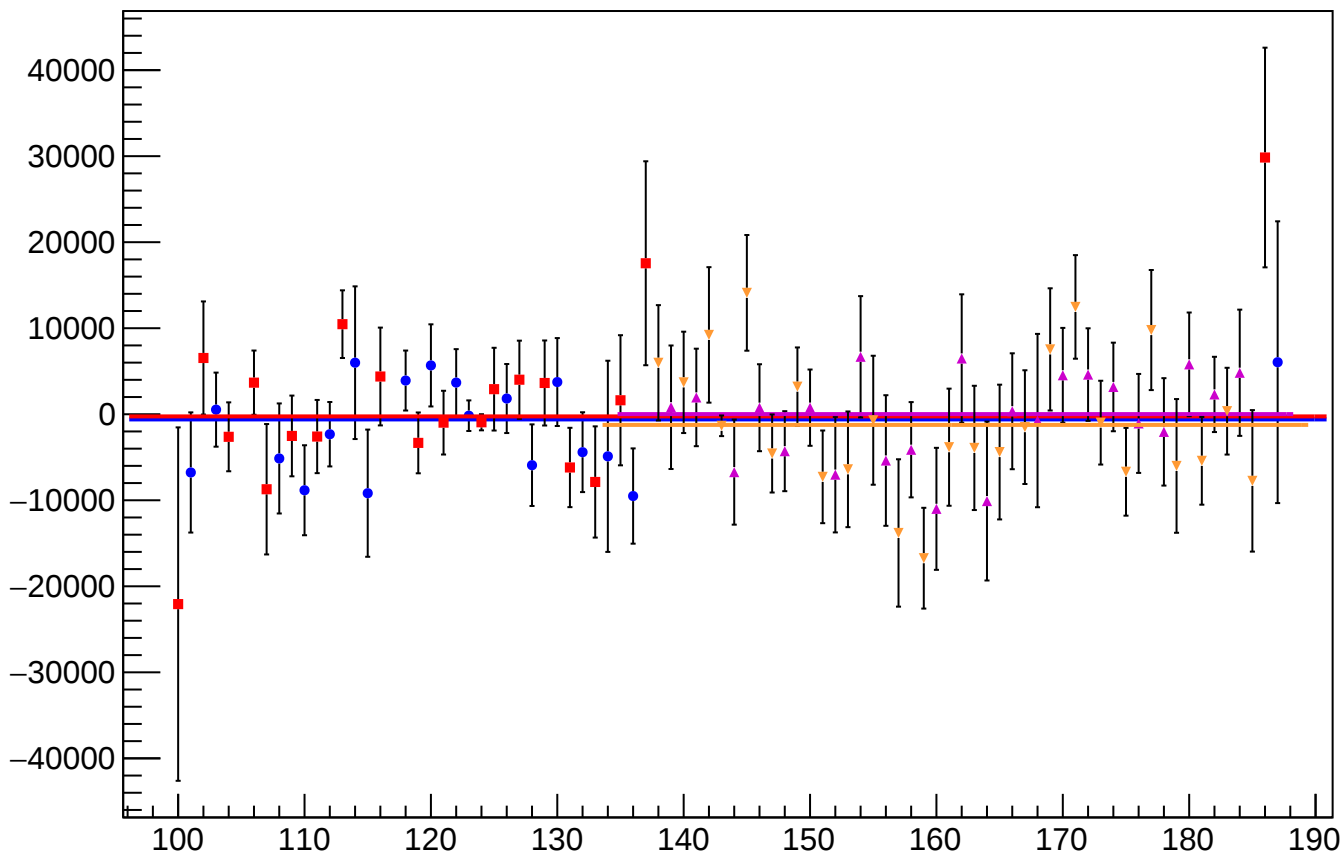
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1869.555+/-0.267 χ^2/NDF : 1227009.6/42

All: 1861.309+/-0.188 χ^2/NDF : 1707547.4/85

- sign 1853.177+/-0.265 χ^2/NDF : 478643.3/42

asym_atr1l2_avg_correction_mean vs Slug



Right In: -602.906 ± 1009.065 χ^2/NDF : 16.5/17

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: -250.568 ± 724.707 χ^2/NDF : 27.7/19

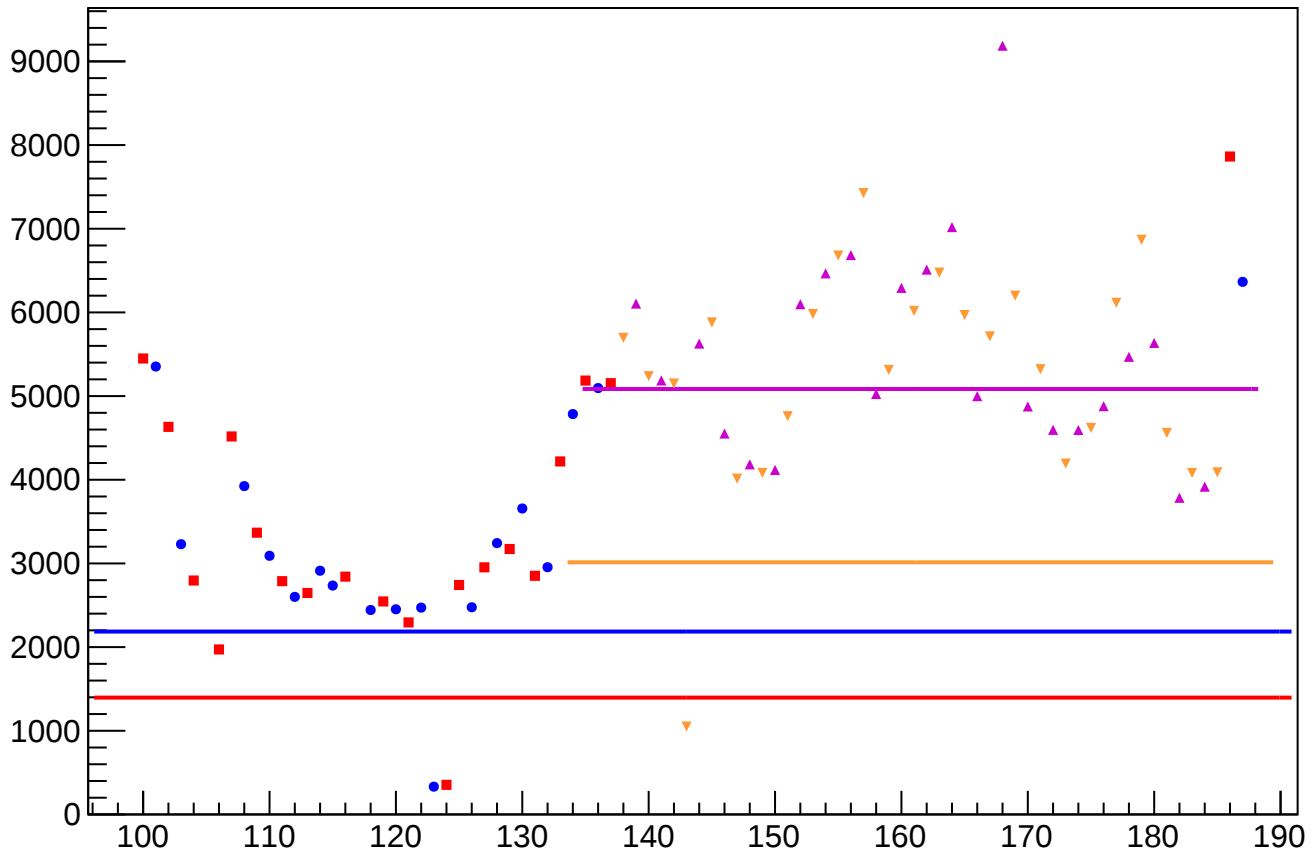
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -969.972 ± 656.817 χ^2/NDF : 50.7/42

All: -557.662 ± 453.193 χ^2/NDF : 92.4/85

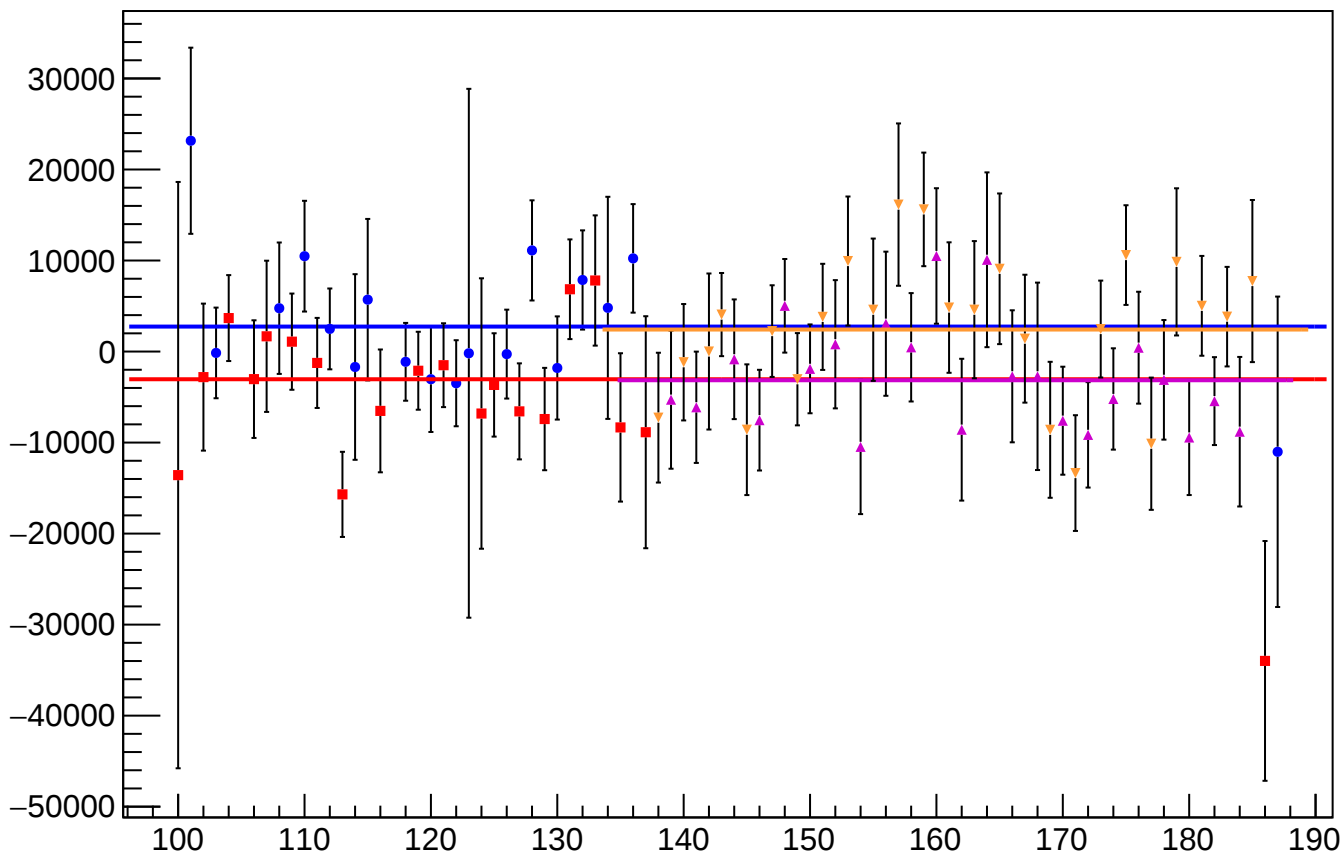
- sign -183.003 ± 626.109 χ^2/NDF : 41.0/42

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2185.837+/-0.714	χ^2/NDF : 4108811.2/17	+ sign 2662.692+/-0.464	χ^2/NDF : 17154580.3/42
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2489.231+/-0.320	χ^2/NDF : 39215286.4/8
Right Out: 1396.263+/-0.512	χ^2/NDF : 7353343.6/19	- sign 2331.609+/-0.443	χ^2/NDF : 21794461.5/42
Left In: 5084.645+/-0.879	χ^2/NDF : 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2742.800+/-1446.940 χ^2/NDF : 16.4/17

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -3043.719+/-1375.375 χ^2/NDF : 23.8/19

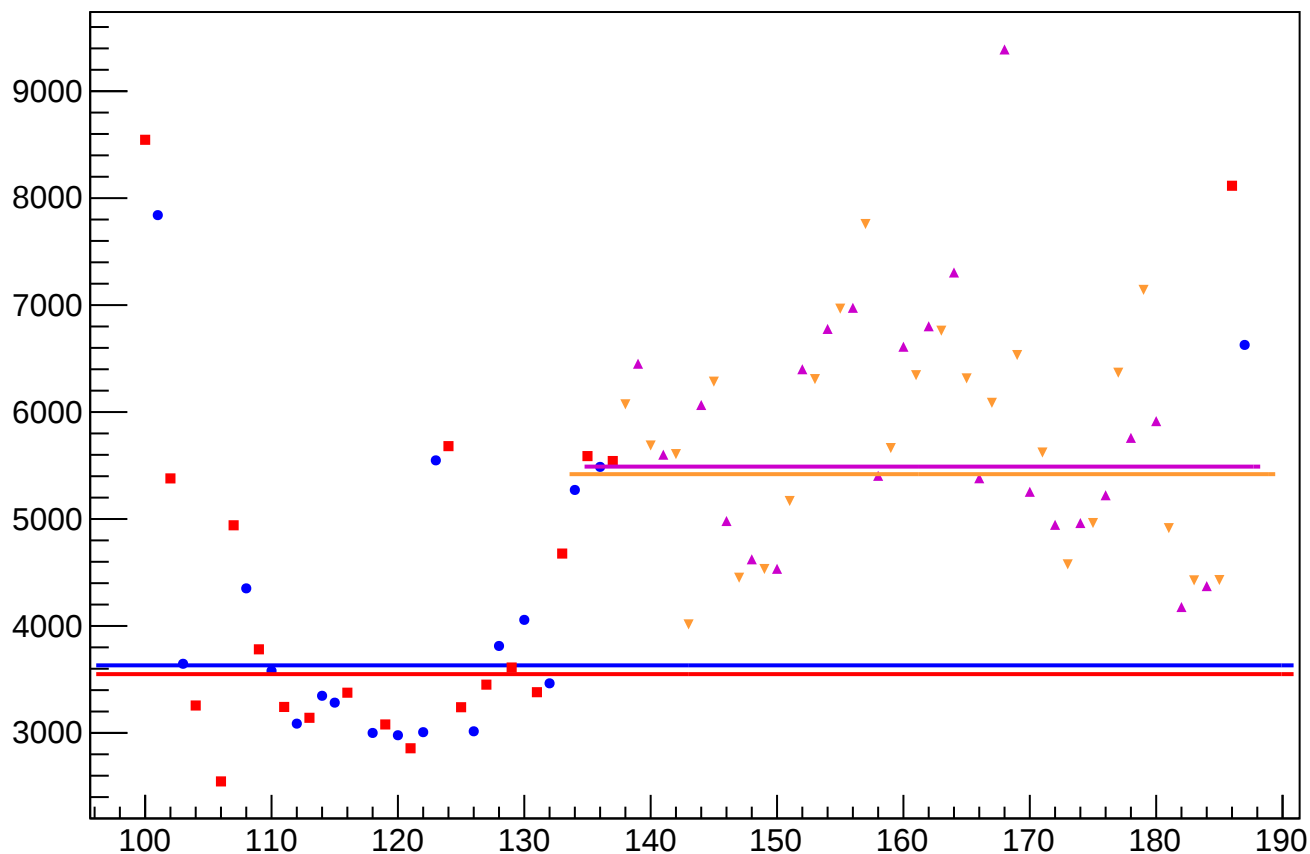
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2560.957+/-961.426 χ^2/NDF : 46.3/42

All: -277.260+/-678.908 χ^2/NDF : 102.9/85

- sign -3100.121+/-958.821 χ^2/NDF : 39.3/42

asym_atr1l2_avg_rms vs Slug



Right In: 3631.736+/-1.023 χ^2/NDF : 845372.8/17

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 3549.663+/-0.959 χ^2/NDF : 904515.4/19

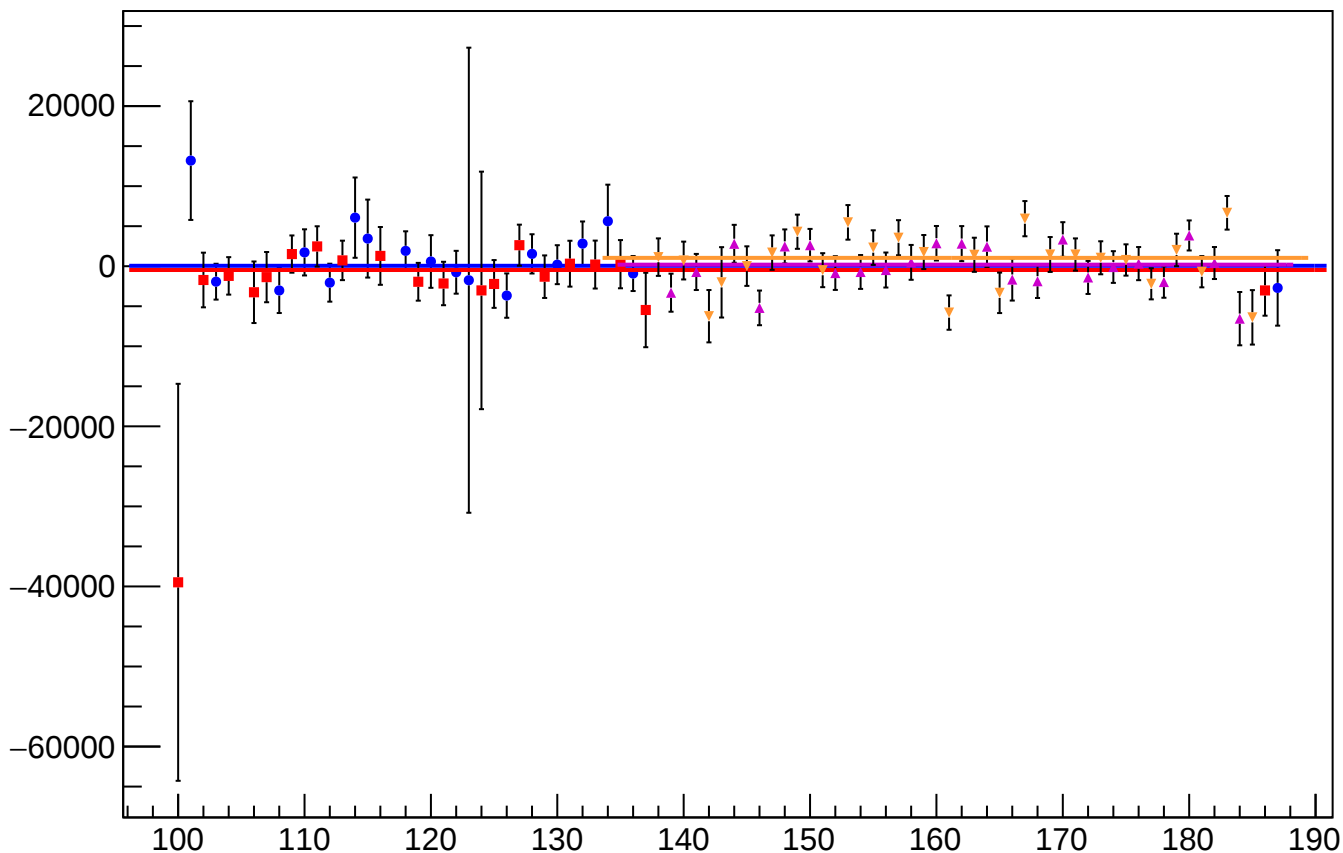
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4630.089+/-0.680 χ^2/NDF : 3660175.0/42

All: 4581.308+/-0.478 χ^2/NDF : 7714301.4/85

- sign 4533.447+/-0.673 χ^2/NDF : 4043925.9/42

reg_asym_atr1l2_dd_mean vs Slug



Right In: 52.874+/-703.125 χ^2/NDF : 14.1/17

Left Out: 1041.262+/-446.249 χ^2/NDF : 48.6/24

Right Out: -473.439+/-668.170 χ^2/NDF : 10.6/19

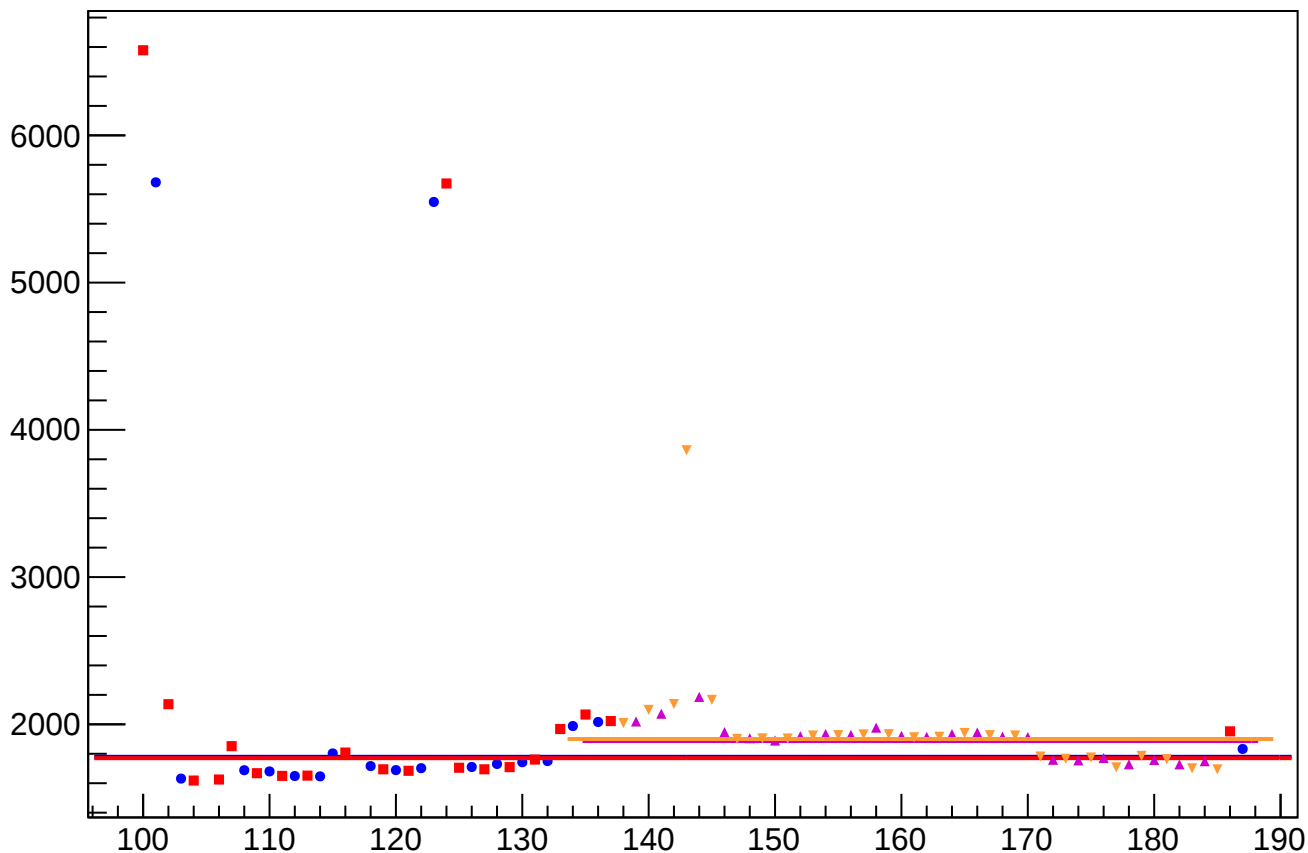
Left In: 191.966+/-453.055 χ^2/NDF : 30.0/22

+ sign 757.456+/-376.773 χ^2/NDF : 64.1/42

All: 368.079+/-265.783 χ^2/NDF : 107.4/85

- sign -17.606+/-374.982 χ^2/NDF : 41.3/42

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1779.417 $\pm$ 0.497 χ^2 /NDF: 643245.1/17

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1770.098 $\pm$ 0.469 χ^2 /NDF: 312348.9/19

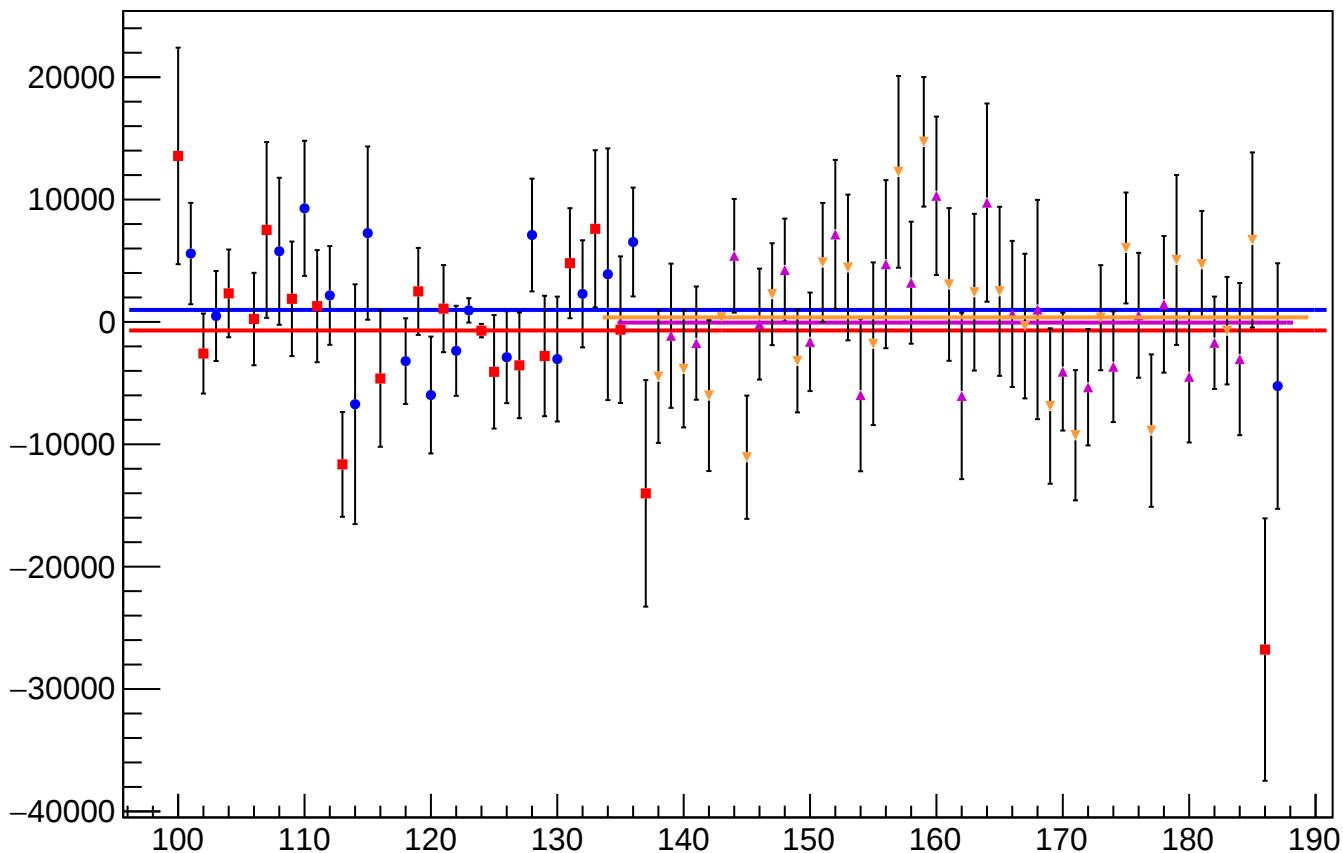
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1865.586 $\pm$ 0.266 χ^2 /NDF: 1223274.8/42

All: 1857.450 $\pm$ 0.188 χ^2 /NDF: 1702863.8/85

- sign 1849.425 $\pm$ 0.265 χ^2 /NDF: 477736.8/42

asym_atr1l2_dd_correction_mean vs Slug



Right In: 980.802 ± 751.209 χ^2/NDF : 15.6/17

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -697.775 ± 487.769 χ^2/NDF : 25.9/19

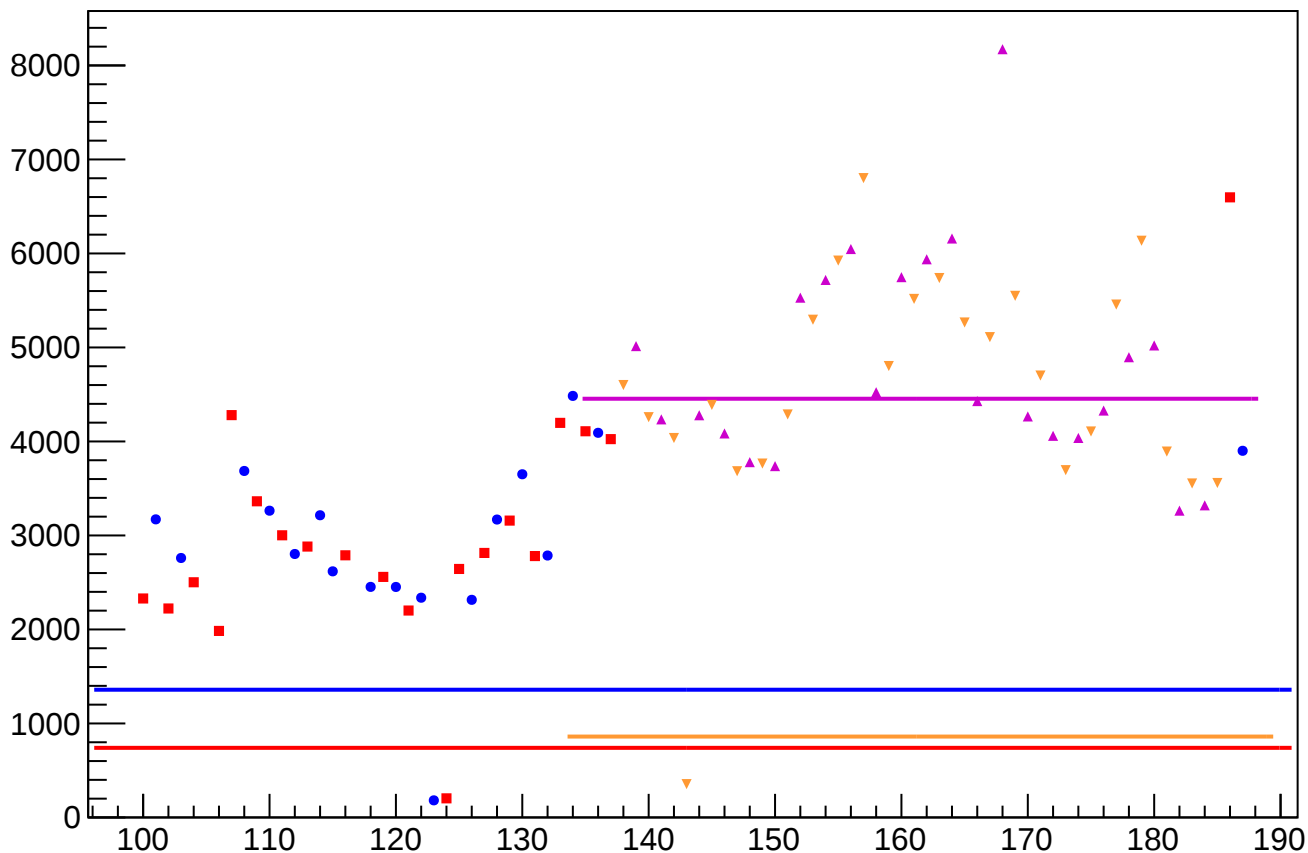
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 498.135 ± 340.554 χ^2/NDF : 46.9/42

All: 96.403 ± 270.494 χ^2/NDF : 91.4/85

- sign -590.198 ± 445.216 χ^2/NDF : 40.7/42

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1358.802 $\pm$ 0.531 χ^2 /NDF: 6964588.5/17

Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24

Right Out: 740.565 $\pm$ 0.345 χ^2 /NDF: 10078196.7/19

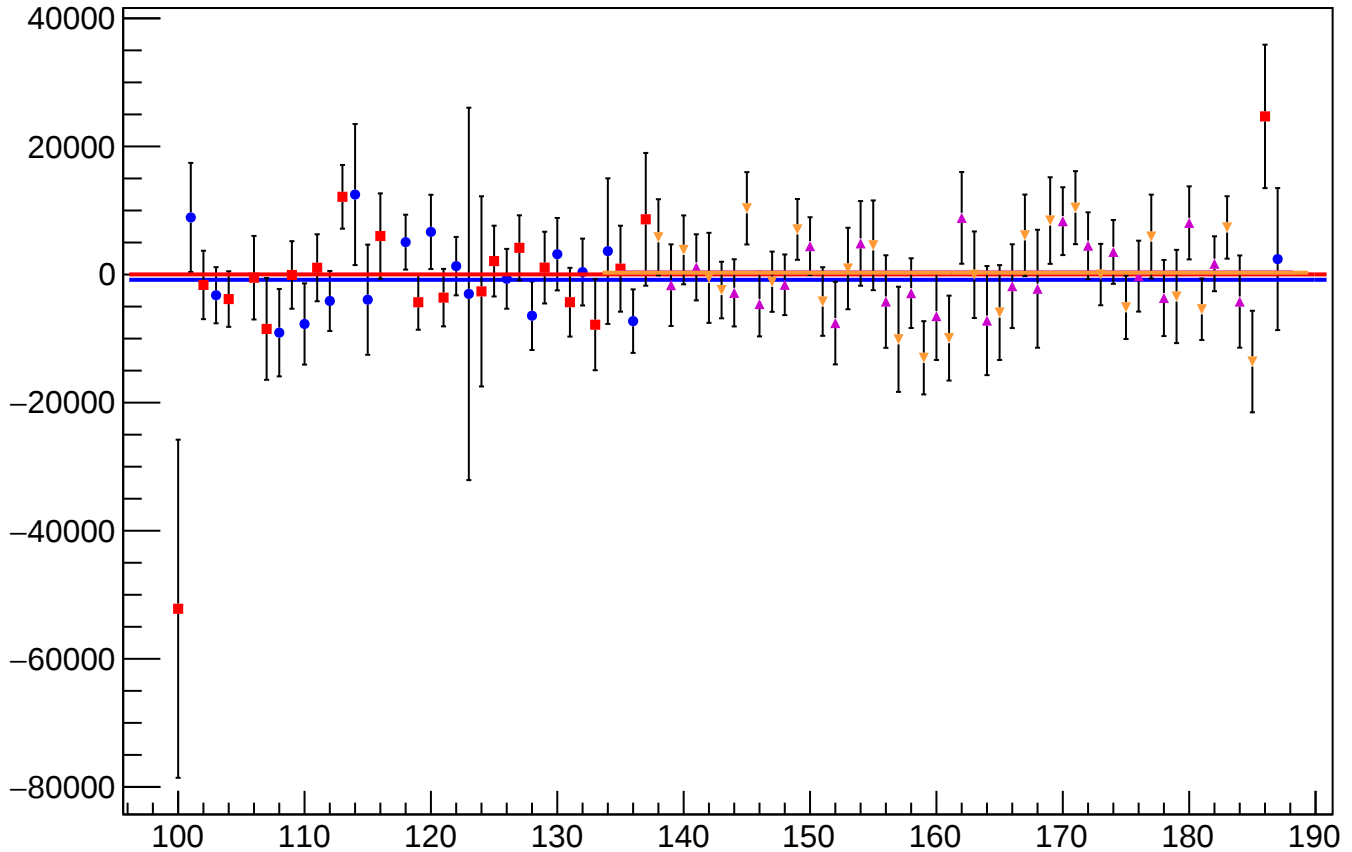
Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 962.946 $\pm$ 0.241 χ^2 /NDF: 34003729.6/42

All: 1109.617 $\pm$ 0.191 χ^2 /NDF: 65784197.4/8

- sign 1360.293 $\pm$ 0.315 χ^2 /NDF: 30775458.8/42

asym_atr1l2_dd_mean vs Slug



Right In: -822.452 ± 1389.076 χ^2/NDF : 13.7/17

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 21.330 ± 1323.994 χ^2/NDF : 22.7/19

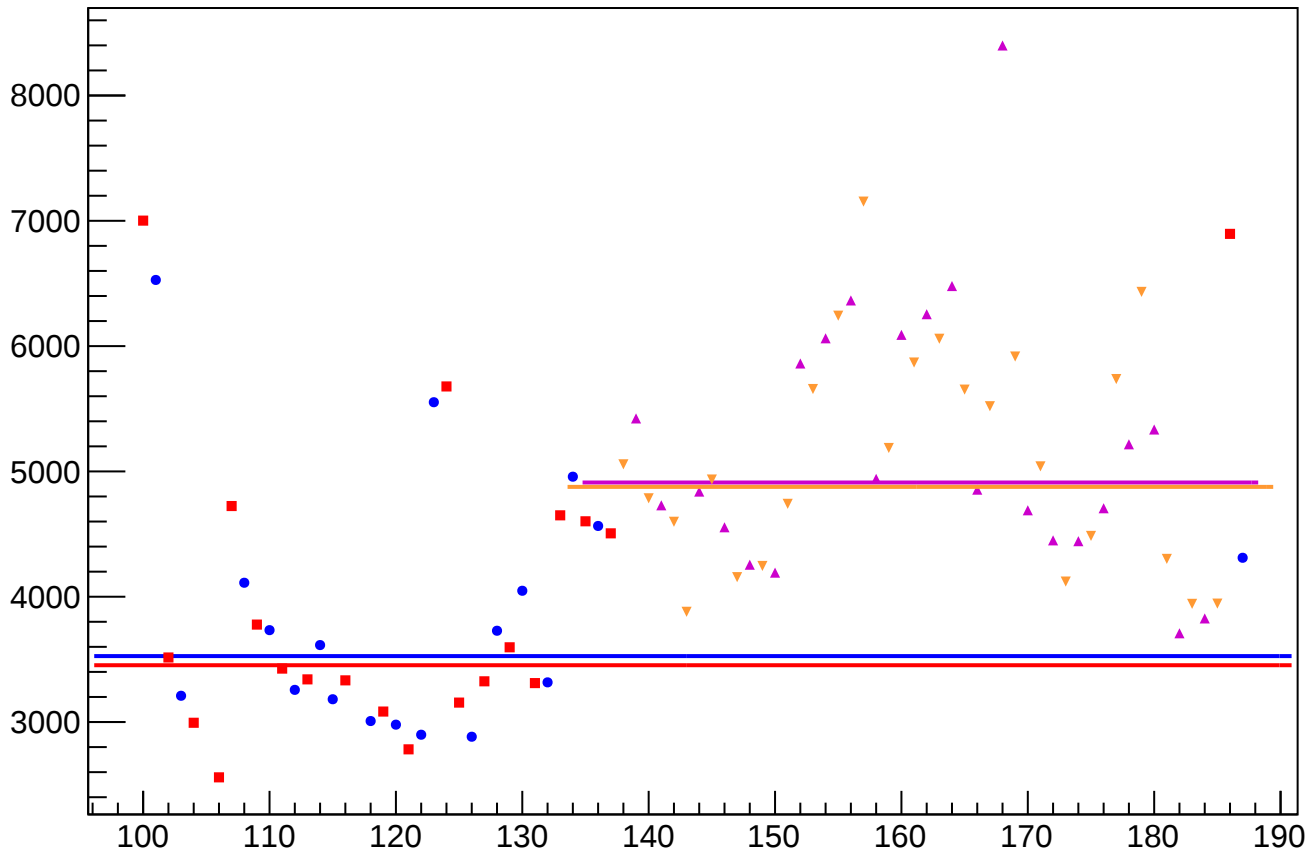
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign -165.807 ± 888.291 χ^2/NDF : 46.5/42

All: 13.589 ± 627.842 χ^2/NDF : 84.0/85

- sign 192.671 ± 887.514 χ^2/NDF : 37.4/42

asym_atr1l2_dd_rms vs Slug



Right In: 3526.195+/-0.982 χ^2/NDF : 570949.7/17

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3453.309+/-0.924 χ^2/NDF : 620090.3/19

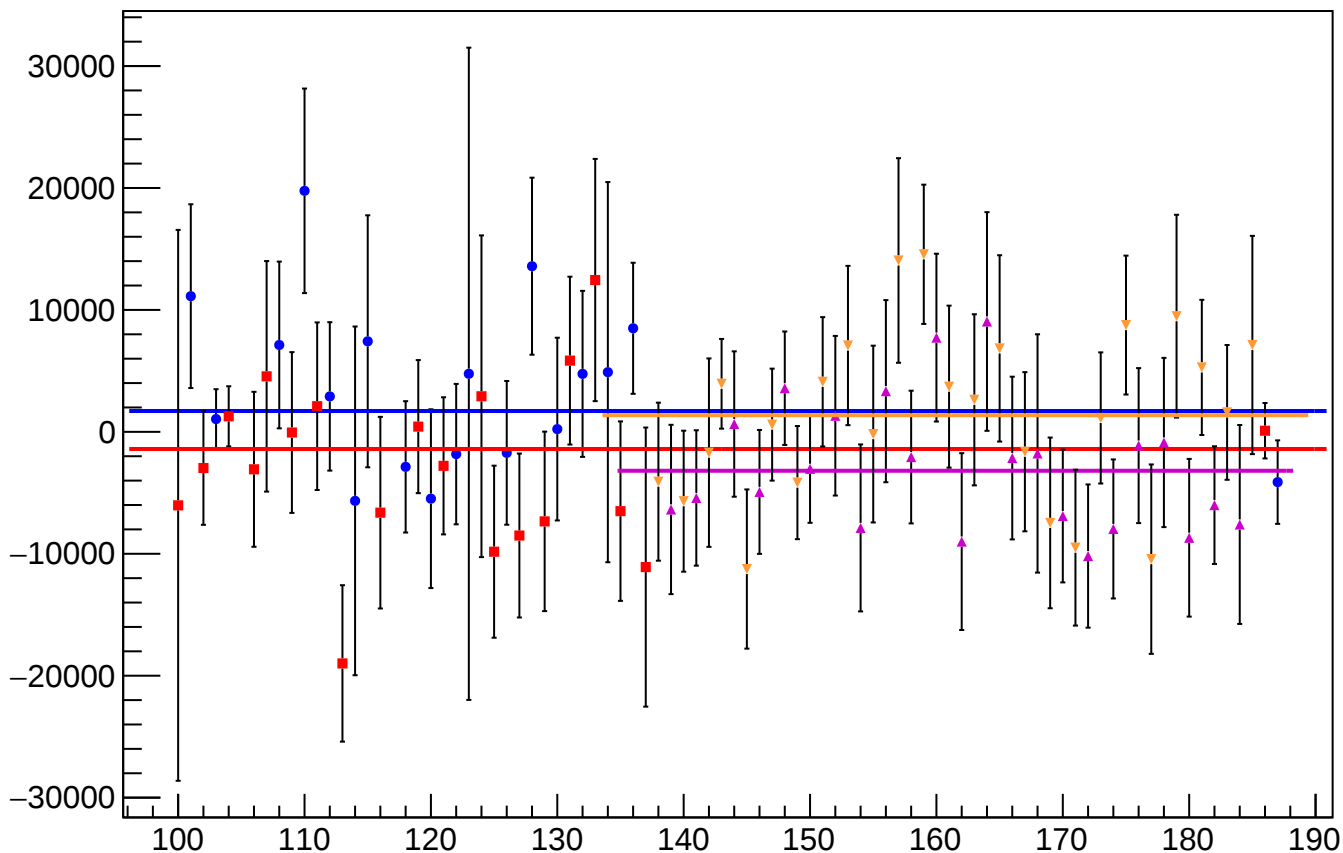
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4324.341+/-0.628 χ^2/NDF : 2660643.2/42

All: 4285.392+/-0.443 χ^2/NDF : 5686530.8/85

- sign 4246.963+/-0.624 χ^2/NDF : 3018248.6/42

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1710.231+/-1339.827 χ^2/NDF : 17.4/17

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -1404.879+/-1182.089 χ^2/NDF : 18.2/19

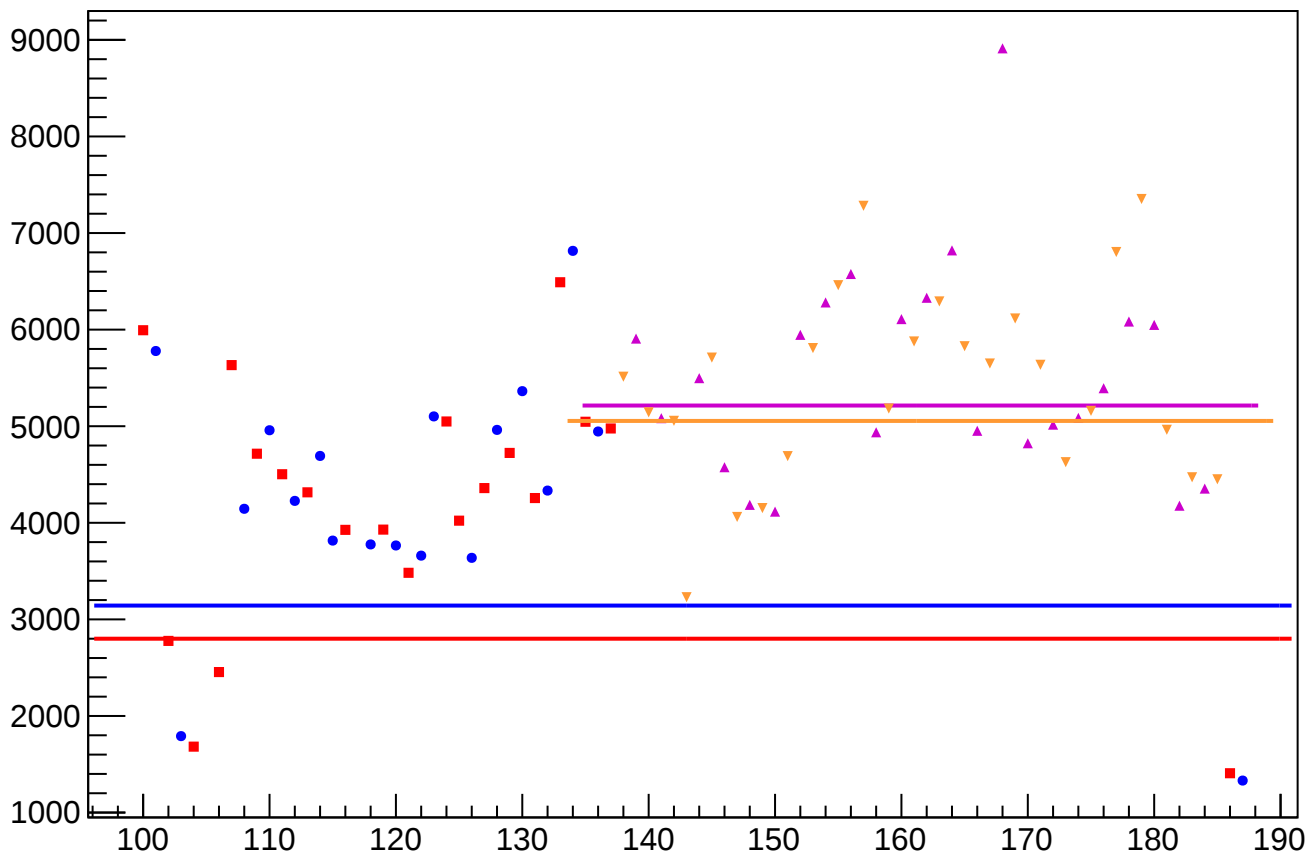
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1519.601+/-896.471 χ^2/NDF : 45.4/42

All: -423.656+/-622.581 χ^2/NDF : 87.7/85

- sign -2234.046+/-865.281 χ^2/NDF : 33.3/42

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3143.005+/-0.947 χ^2/NDF : 2427284.1/17

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 2799.975+/-0.830 χ^2/NDF : 2935835.3/19

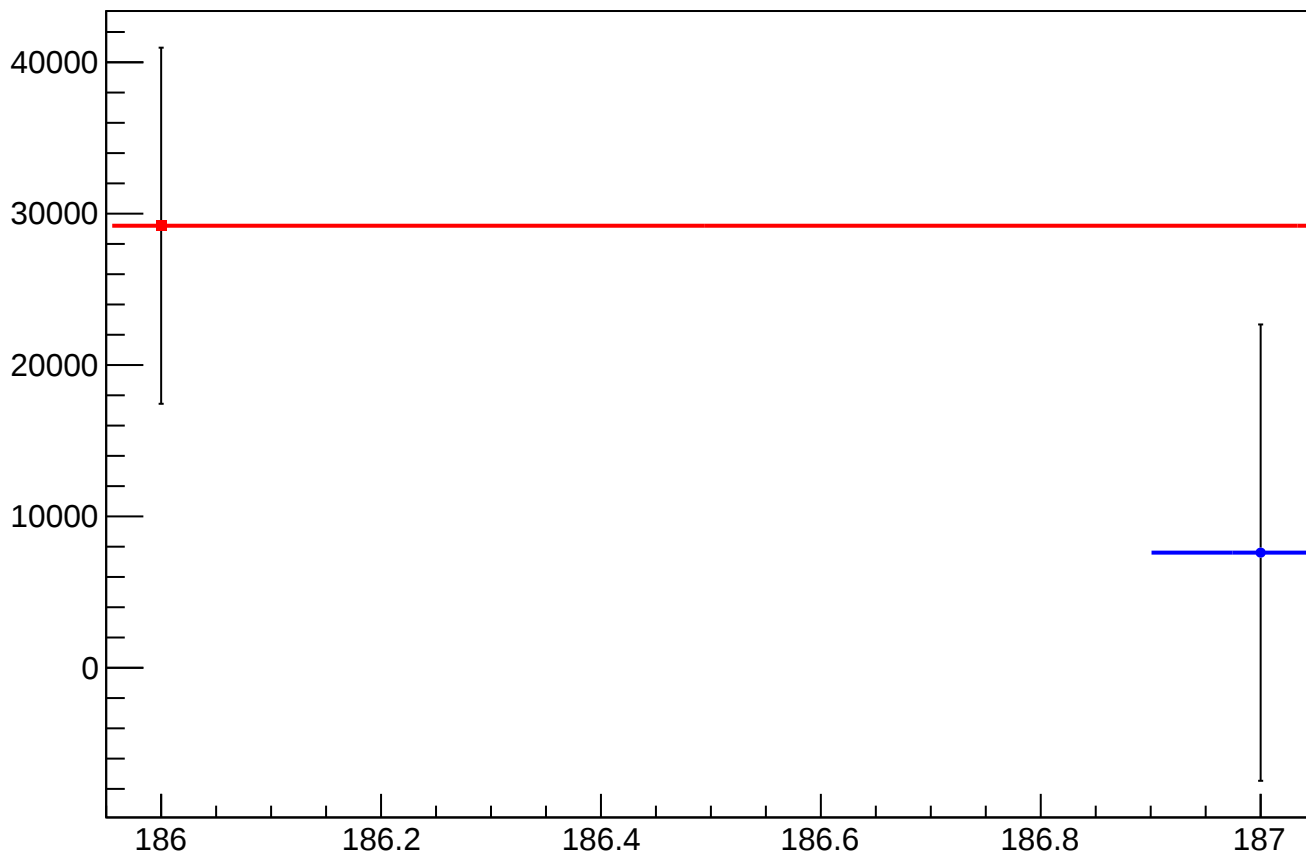
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 4198.845+/-0.634 χ^2/NDF : 6113406.7/42

All: 4050.090+/-0.439 χ^2/NDF : 14104063.8/80

- sign 3912.504+/-0.610 χ^2/NDF : 7884653.5/42

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 7607.549+/-15073.069 χ^2/NDF : 0.0/0

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

Right Out: 29202.265+/-11762.699 χ^2/NDF : 0.0/0

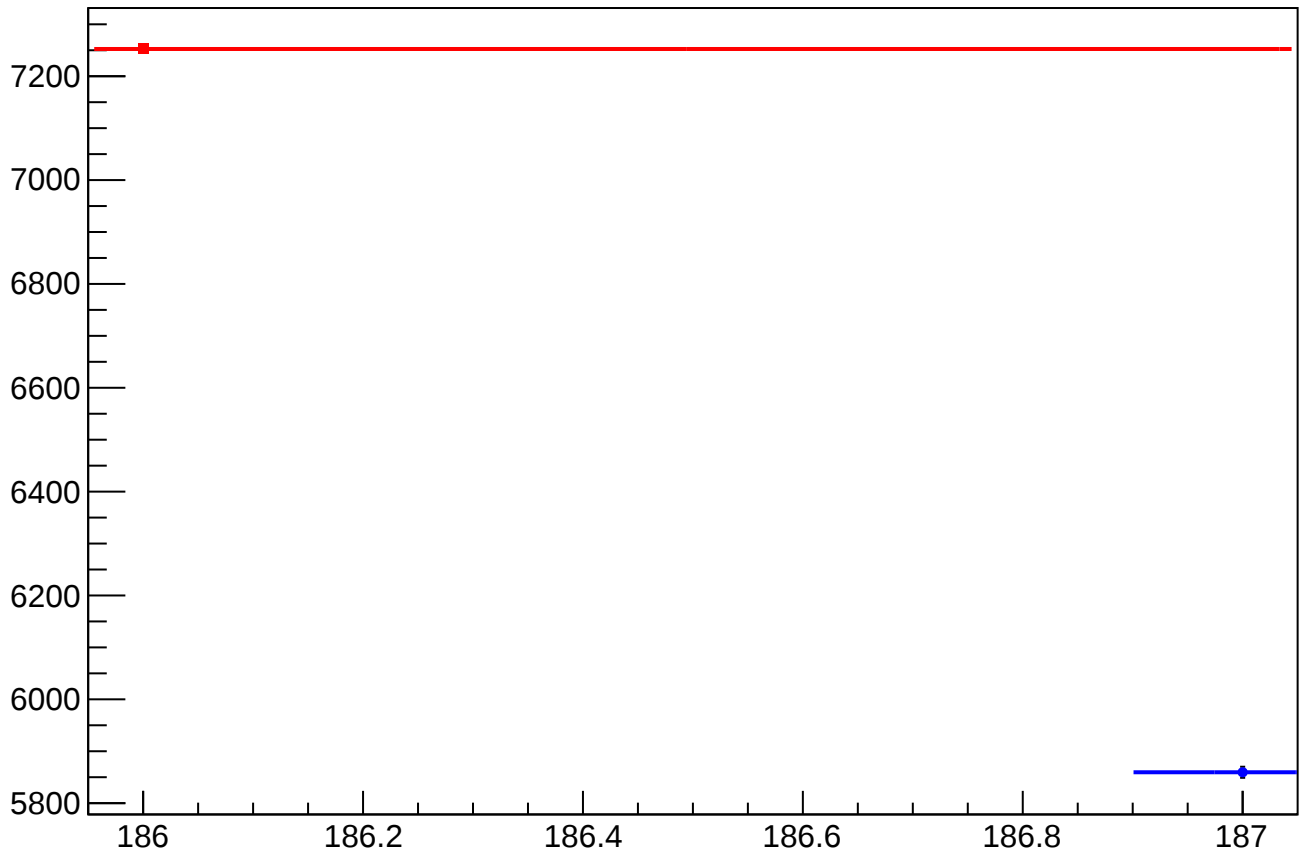
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21028.831+/-9273.213 χ^2/NDF : 1.3/1

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5859.521+/-10.658 χ^2/NDF : 0.0/0

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

Right Out: 7252.462+/-8.317 χ^2/NDF : 0.0/0

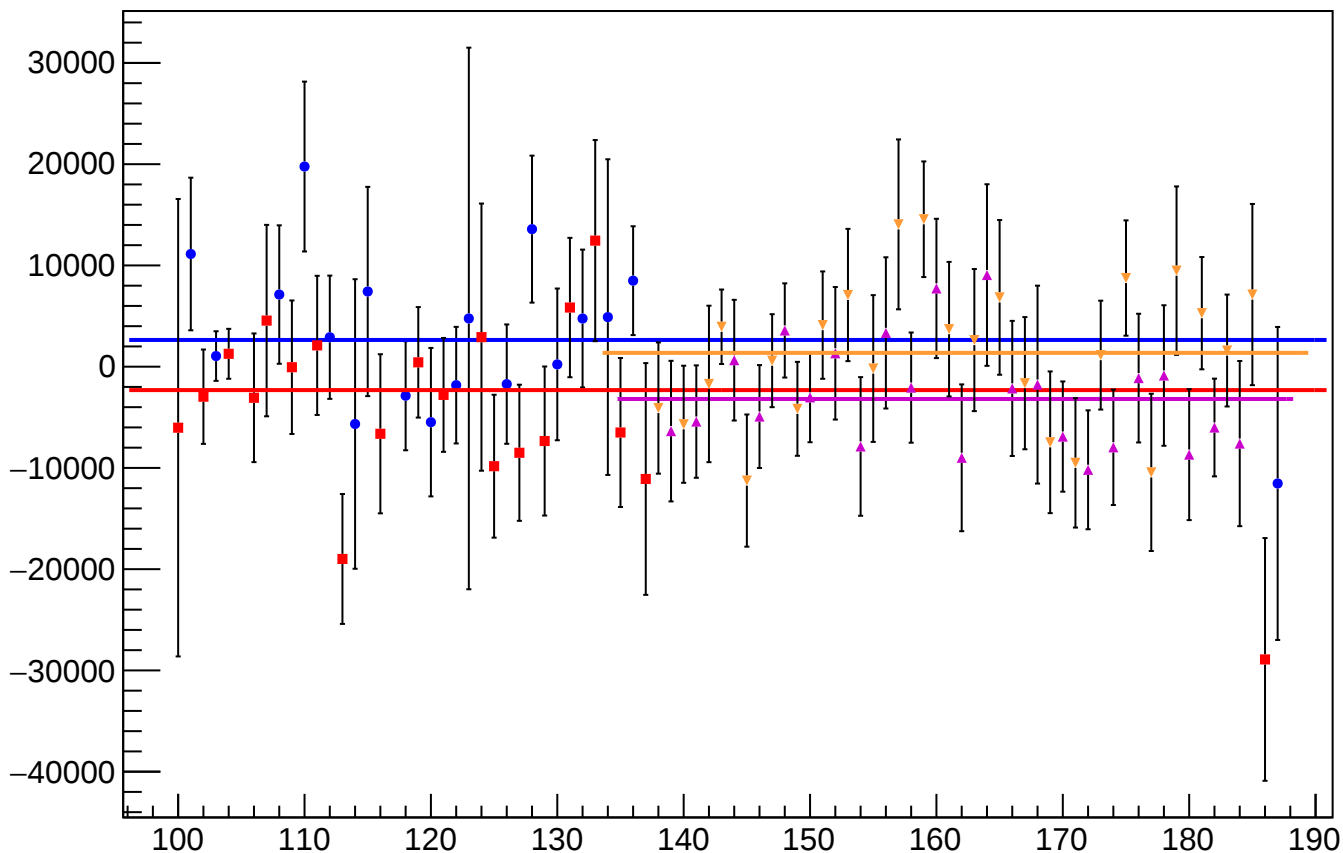
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 6725.244+/-6.557 χ^2/NDF : 10615.5/1

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2639.185 $\pm$ 1449.534 χ^2 /NDF: 14.8/17

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -2314.340 $\pm$ 1374.797 χ^2 /NDF: 22.6/19

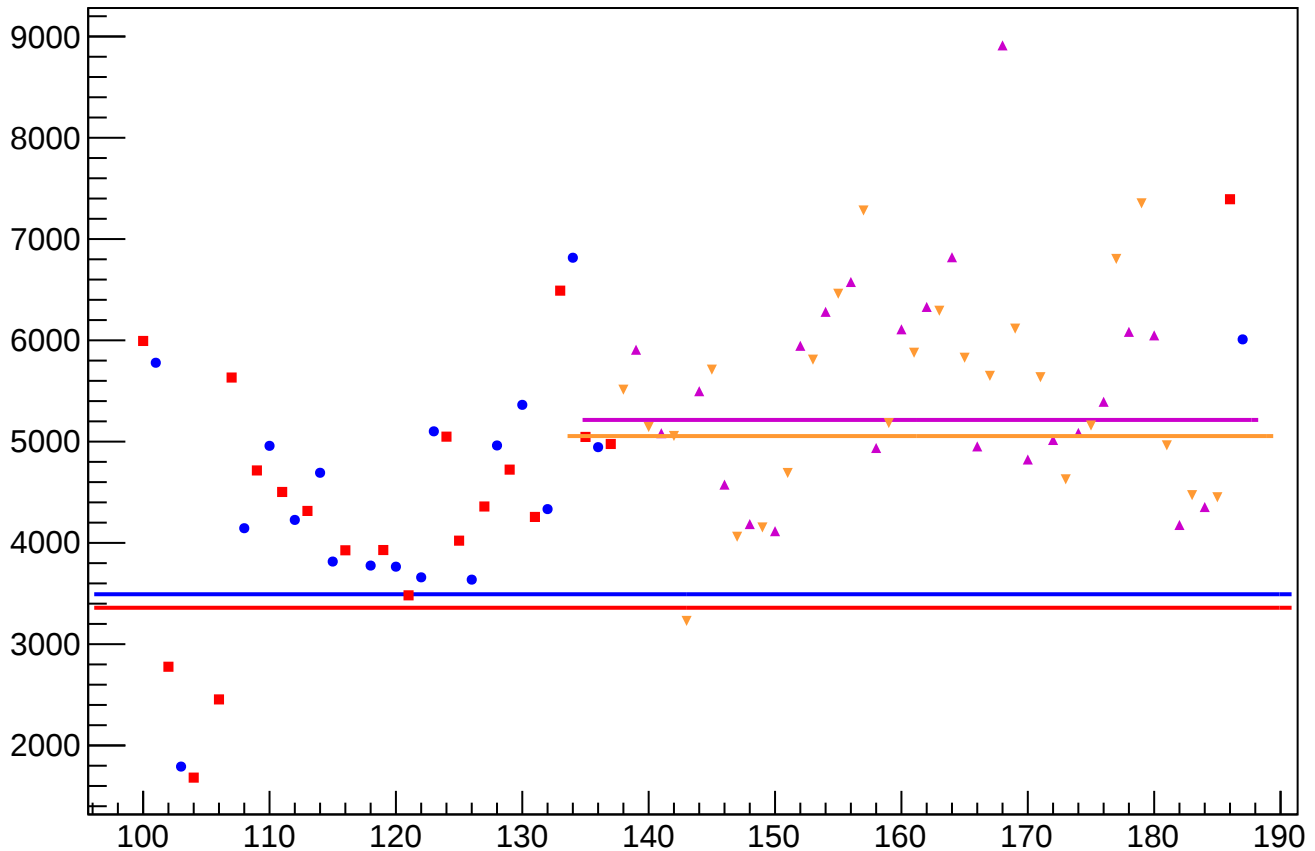
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1886.399 $\pm$ 927.208 χ^2 /NDF: 43.2/42

All: -436.251 $\pm$ 657.633 χ^2 /NDF: 92.7/85

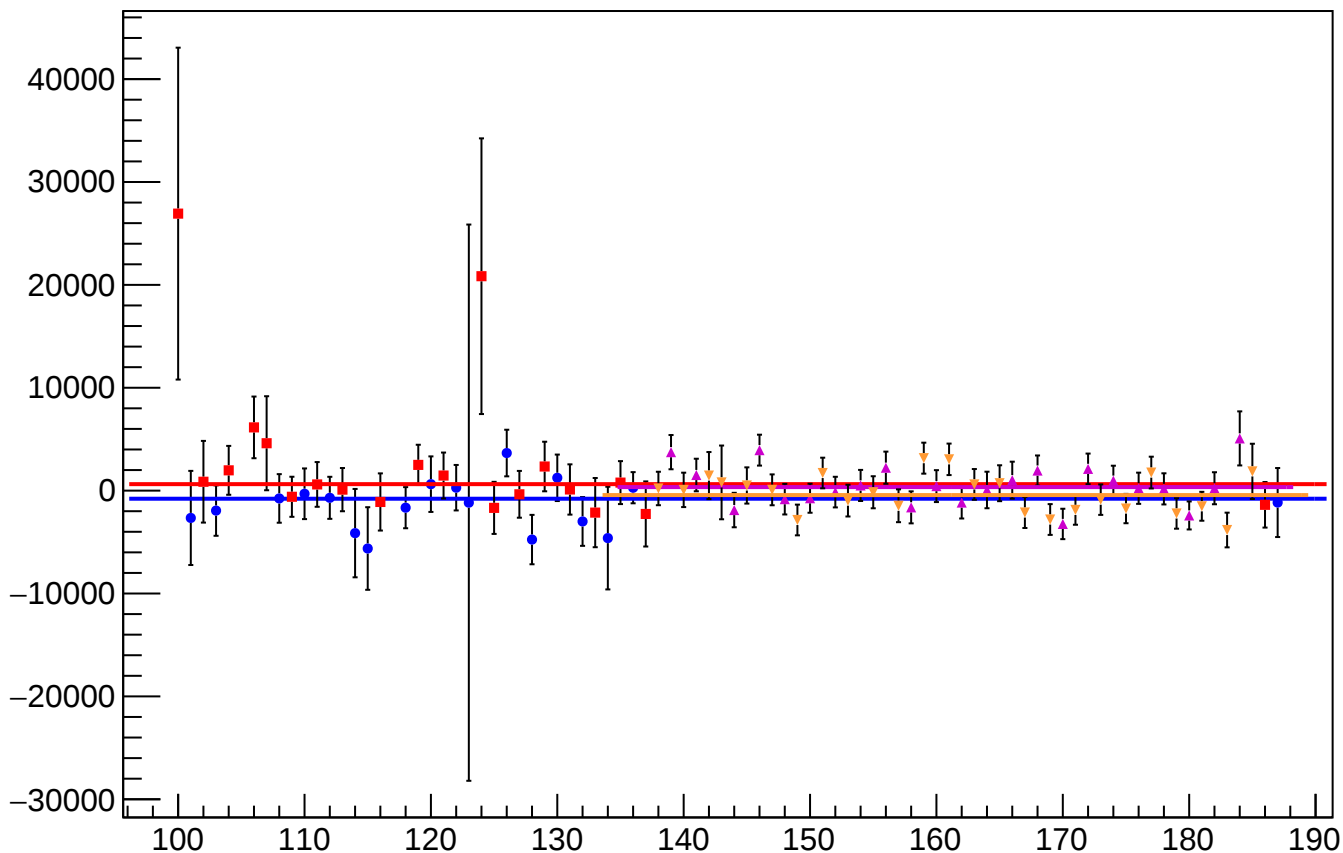
- sign -2787.431 $\pm$ 932.885 χ^2 /NDF: 36.8/42

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3492.972+/-1.025	χ^2/NDF : 1819362.9/17	+ sign 4415.685+/-0.656	χ^2/NDF : 4628320.8/42
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24	All: 4383.821+/-0.464	χ^2/NDF : 9809458.8/85
Right Out: 3359.607+/-0.963	χ^2/NDF : 2141057.7/19	- sign 4351.835+/-0.657	χ^2/NDF : 5176404.8/42
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22		

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -786.784 ± 595.958 χ^2/NDF : 12.5/17

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 630.739 ± 576.109 χ^2/NDF : 15.2/19

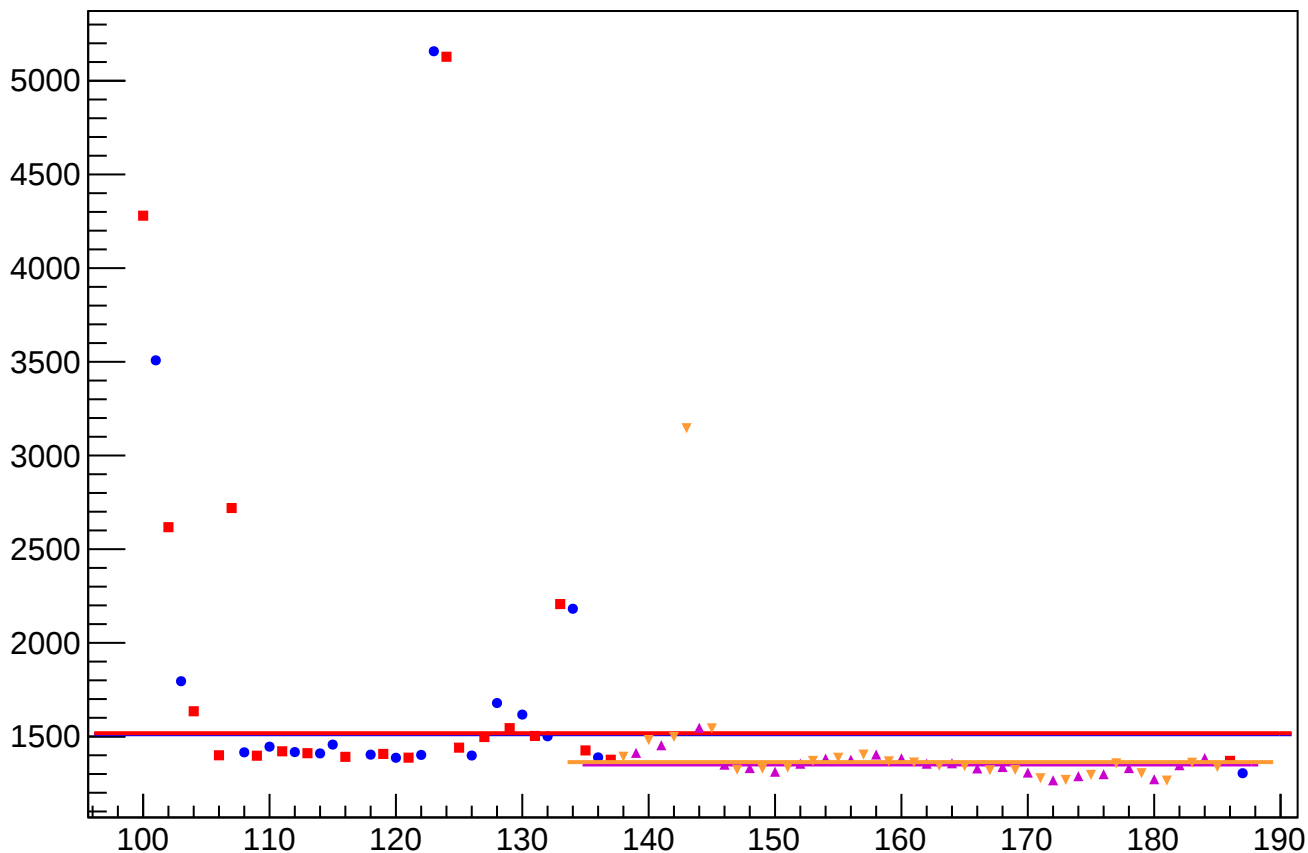
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -511.385 ± 282.297 χ^2/NDF : 45.9/42

All: -49.855 ± 199.738 χ^2/NDF : 100.4/85

- sign 412.819 ± 282.647 χ^2/NDF : 49.2/42

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1512.385+/-0.421 χ^2/NDF : 545634.7/17

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

+ sign 1396.954+/-0.200 χ^2/NDF : 1217599.3/42

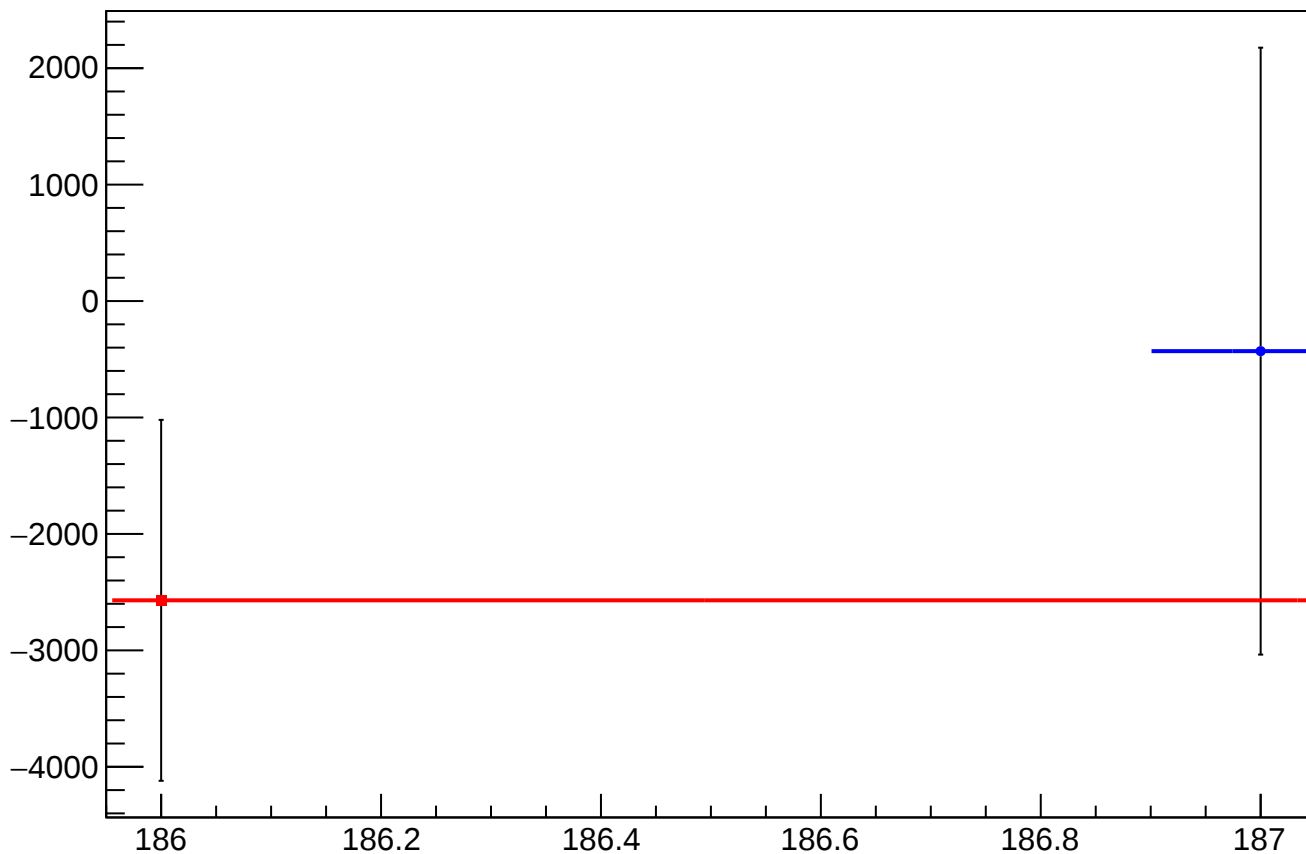
Right Out: 1517.705+/-0.407 χ^2/NDF : 640714.0/19

All: 1394.010+/-0.141 χ^2/NDF : 2053187.4/85

- sign 1391.057+/-0.200 χ^2/NDF : 835152.2/42

Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -430.080+/-2606.243 χ^2/NDF : 0.0/0

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

Right Out: -2570.258+/-1549.880 χ^2/NDF : 0.0/0

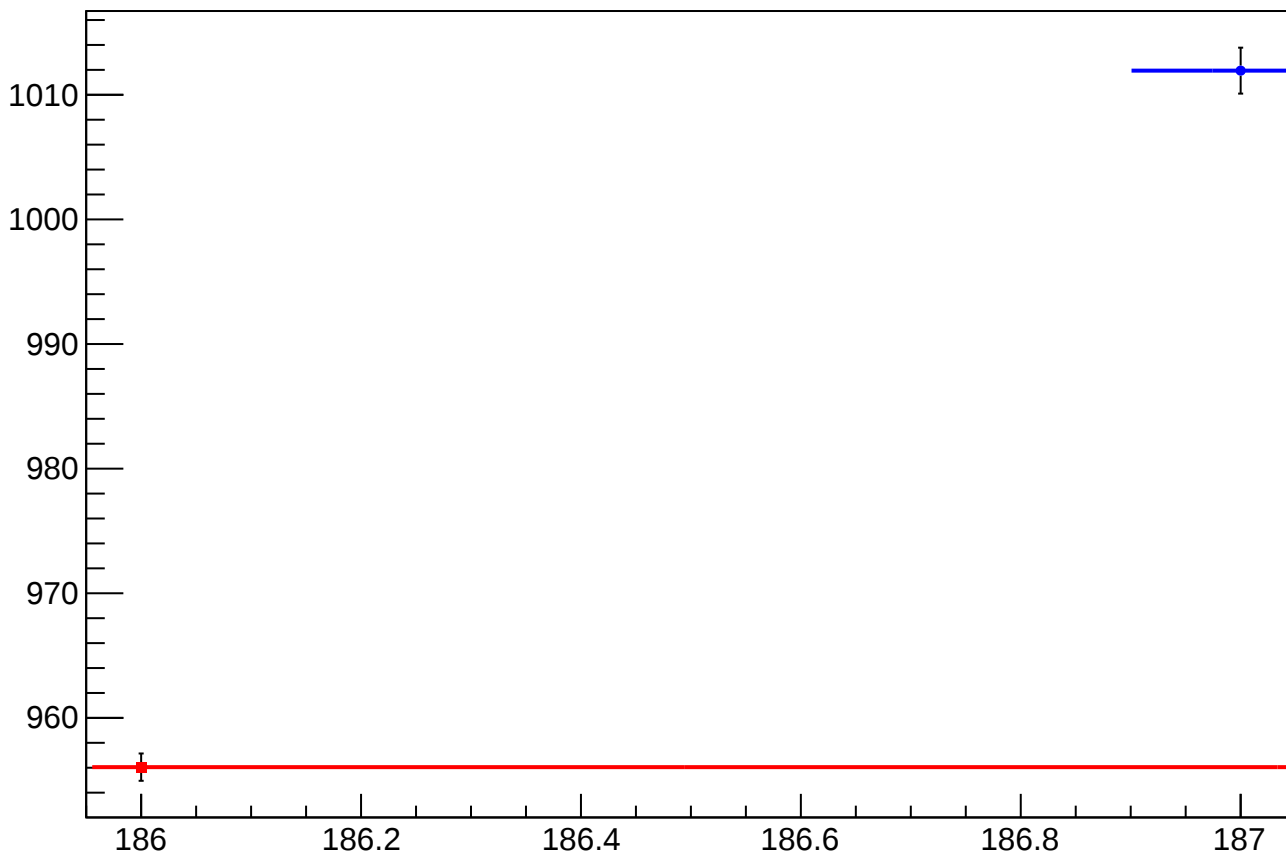
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2011.129+/-1332.128 χ^2/NDF : 0.5/1

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1011.938 $\pm$ 1.843 χ^2 /NDF: 0.0/0

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

Right Out: 956.048 $\pm$ 1.096 χ^2 /NDF: 0.0/0

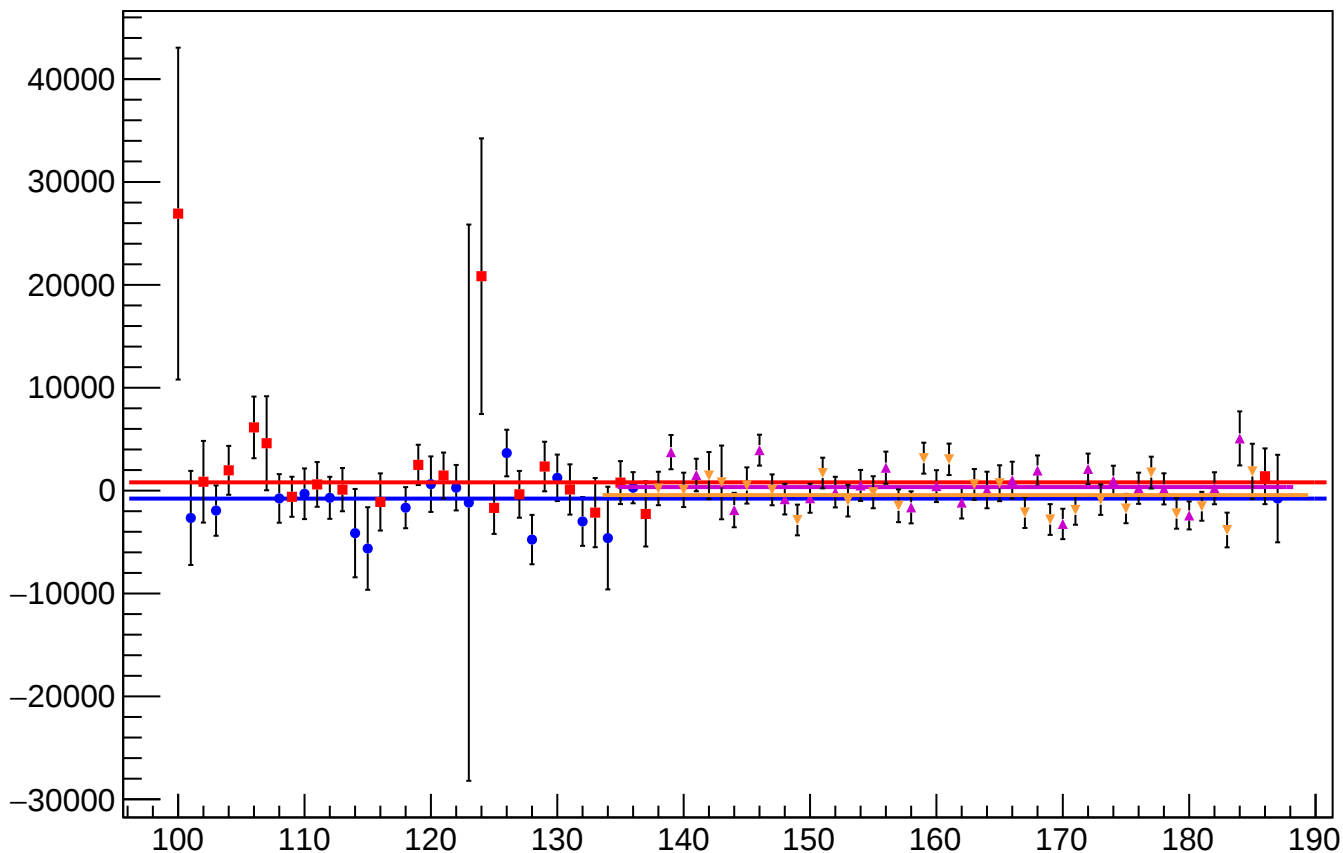
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 970.650 $\pm$ 0.942 χ^2 /NDF: 679.5/1

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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -774.636+/-599.549 χ^2/NDF : 12.5/17

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 805.343+/-582.727 χ^2/NDF : 14.4/19

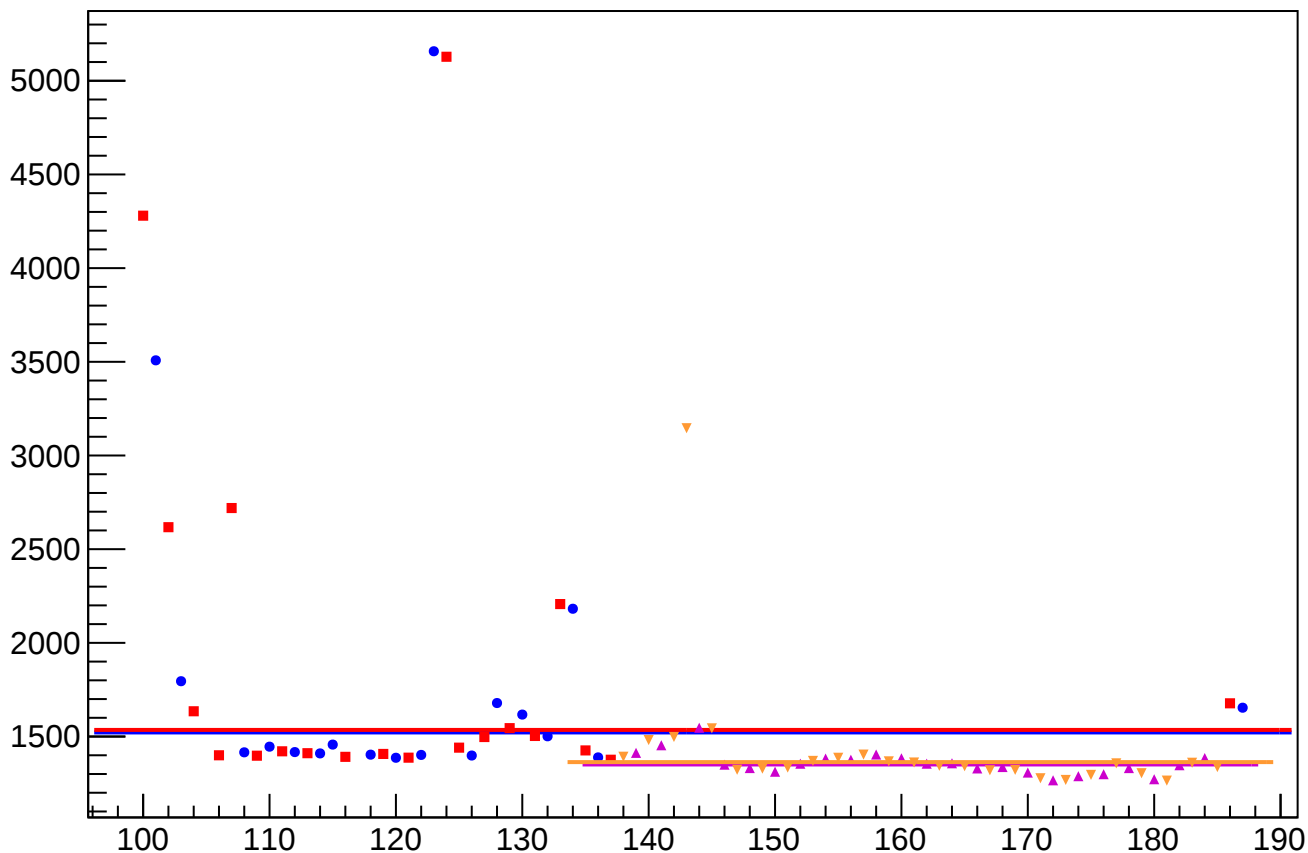
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -507.944+/-282.676 χ^2/NDF : 45.9/42

All: -28.766+/-200.144 χ^2/NDF : 100.3/85

- sign 452.931+/-283.419 χ^2/NDF : 48.6/42

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1521.847+/-0.424 χ^2/NDF : 539645.8/17

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1535.315+/-0.412 χ^2/NDF : 636921.3/19

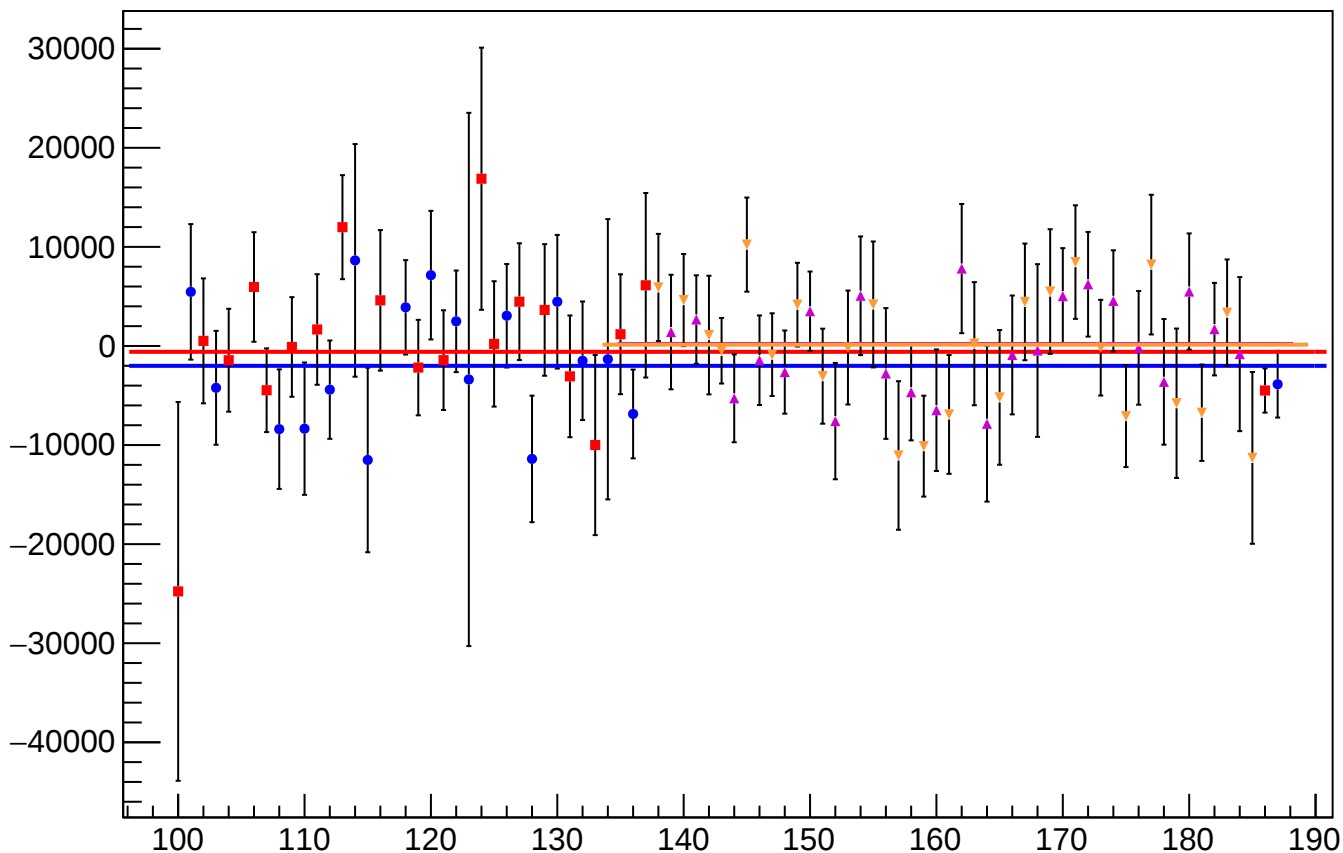
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1398.747+/-0.200 χ^2/NDF : 1223285.1/42

All: 1396.645+/-0.142 χ^2/NDF : 2080482.9/85

- sign 1394.531+/-0.200 χ^2/NDF : 856975.9/42

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -2004.342 $\pm$ 1383.486 χ^2 /NDF: 15.3/17

Left Out: 132.142 $\pm$ 1065.543 χ^2 /NDF: 28.1/24

Right Out: -589.526 $\pm$ 1174.813 χ^2 /NDF: 18.3/19

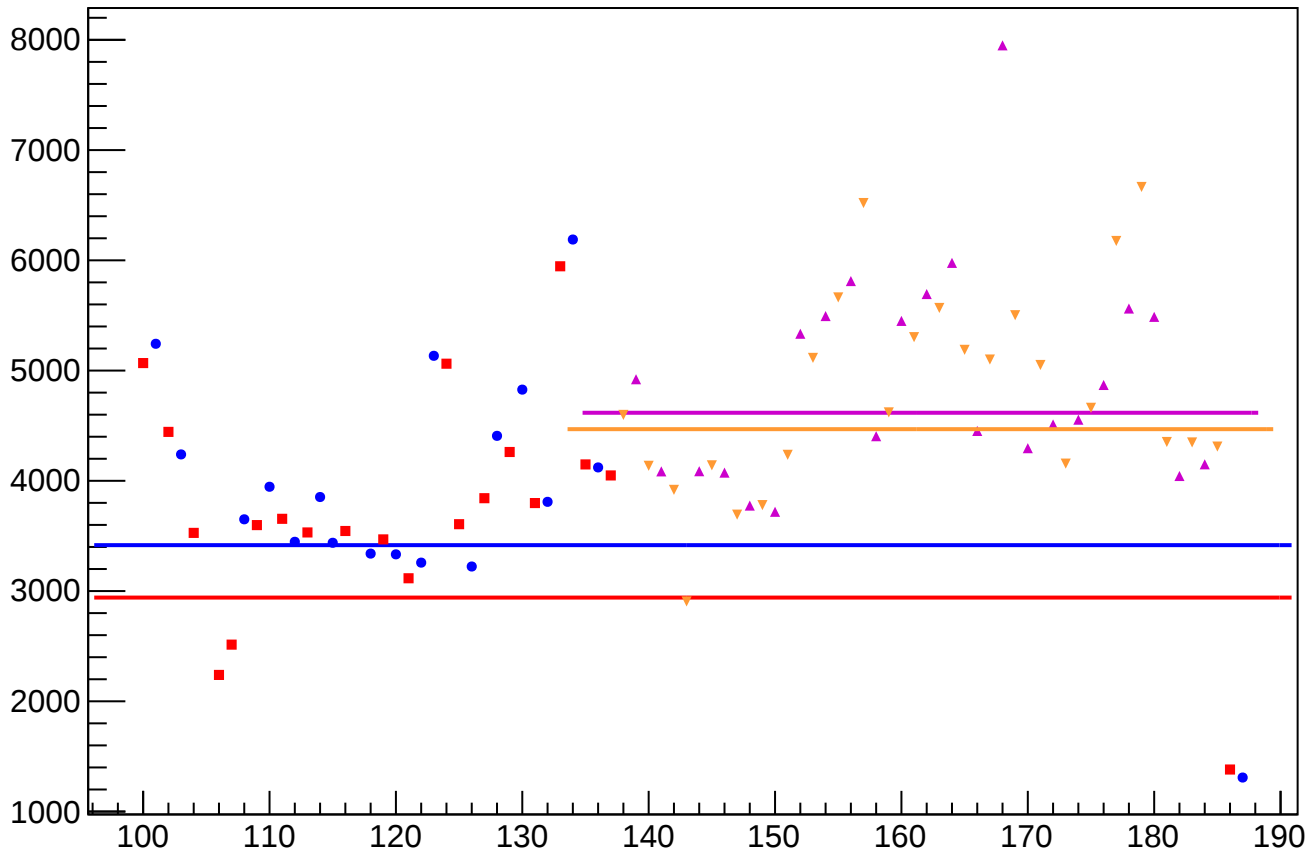
Left In: 200.182 $\pm$ 1123.499 χ^2 /NDF: 14.7/22

+ sign -663.330 $\pm$ 844.185 χ^2 /NDF: 44.9/42

All: -410.734 $\pm$ 585.206 χ^2 /NDF: 78.3/85

- sign -177.049 $\pm$ 811.969 χ^2 /NDF: 33.3/42

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3416.453+/-0.978 χ^2/NDF : 1271328.2/17

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

Right Out: 2940.927+/-0.825 χ^2/NDF : 1901456.6/19

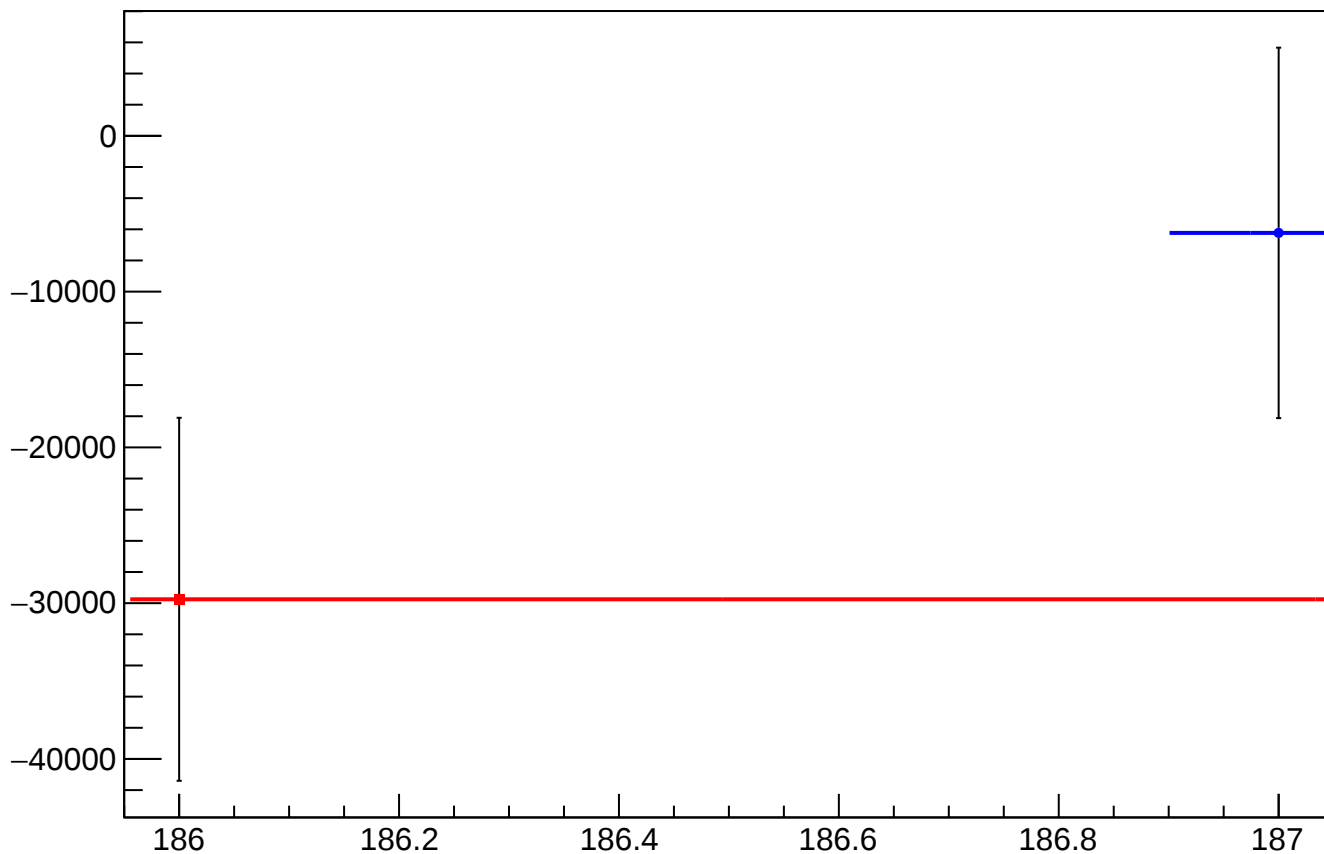
Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

+ sign 4076.795+/-0.597 χ^2/NDF : 3377887.6/42

All: 3938.287+/-0.413 χ^2/NDF : 8524026.7/85

- sign 3810.959+/-0.572 χ^2/NDF : 5042802.7/42

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -6230.200 $\pm$ 11890.741 χ^2 /NDF: 0.0/0

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

Right Out: -29751.201 $\pm$ 11651.754 χ^2 /NDF: 0.0/0

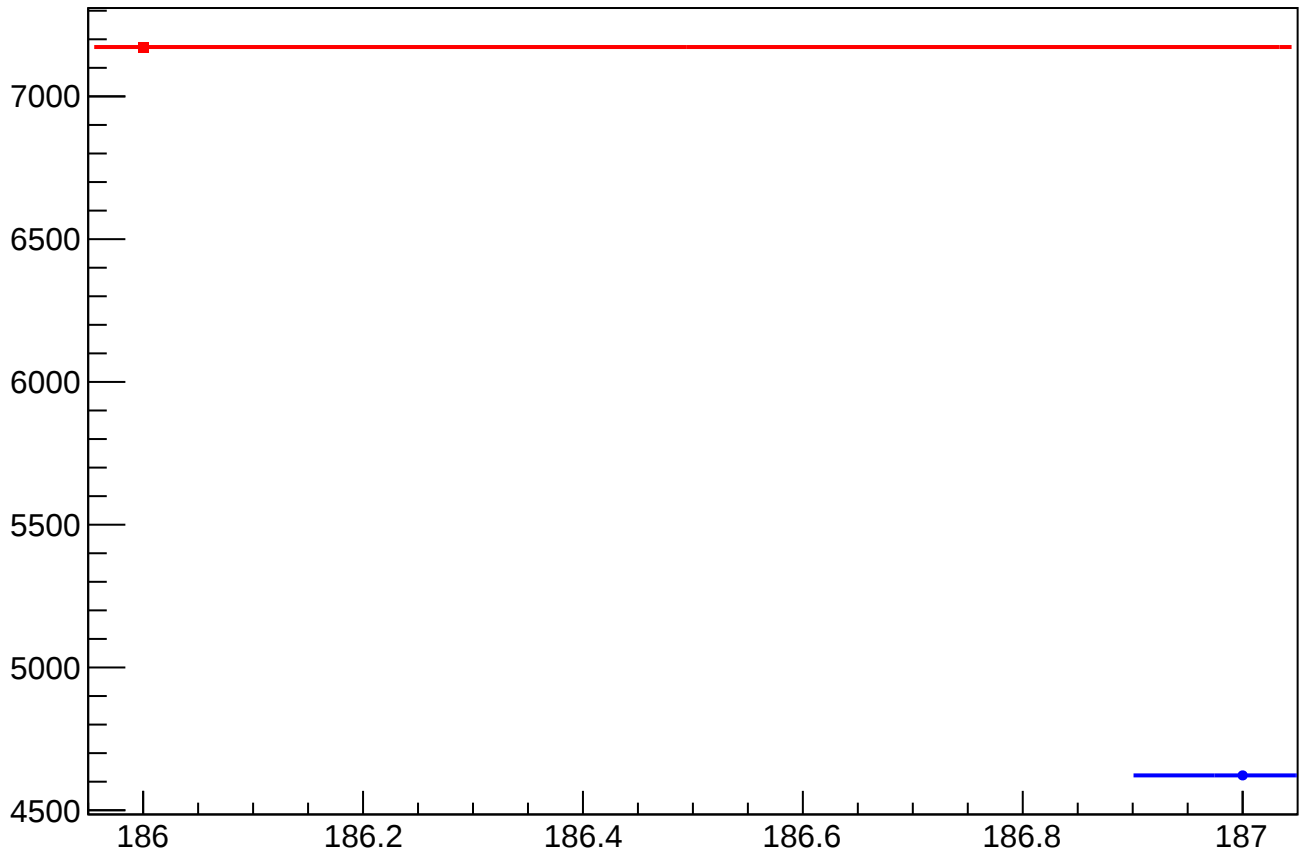
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -18229.445 $\pm$ 8322.242 χ^2 /NDF: 2.0/1

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

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 4622.046 $\pm$ 8.408 χ^2/NDF : 0.0/0

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

Right Out: 7172.895 $\pm$ 8.239 χ^2/NDF : 0.0/0

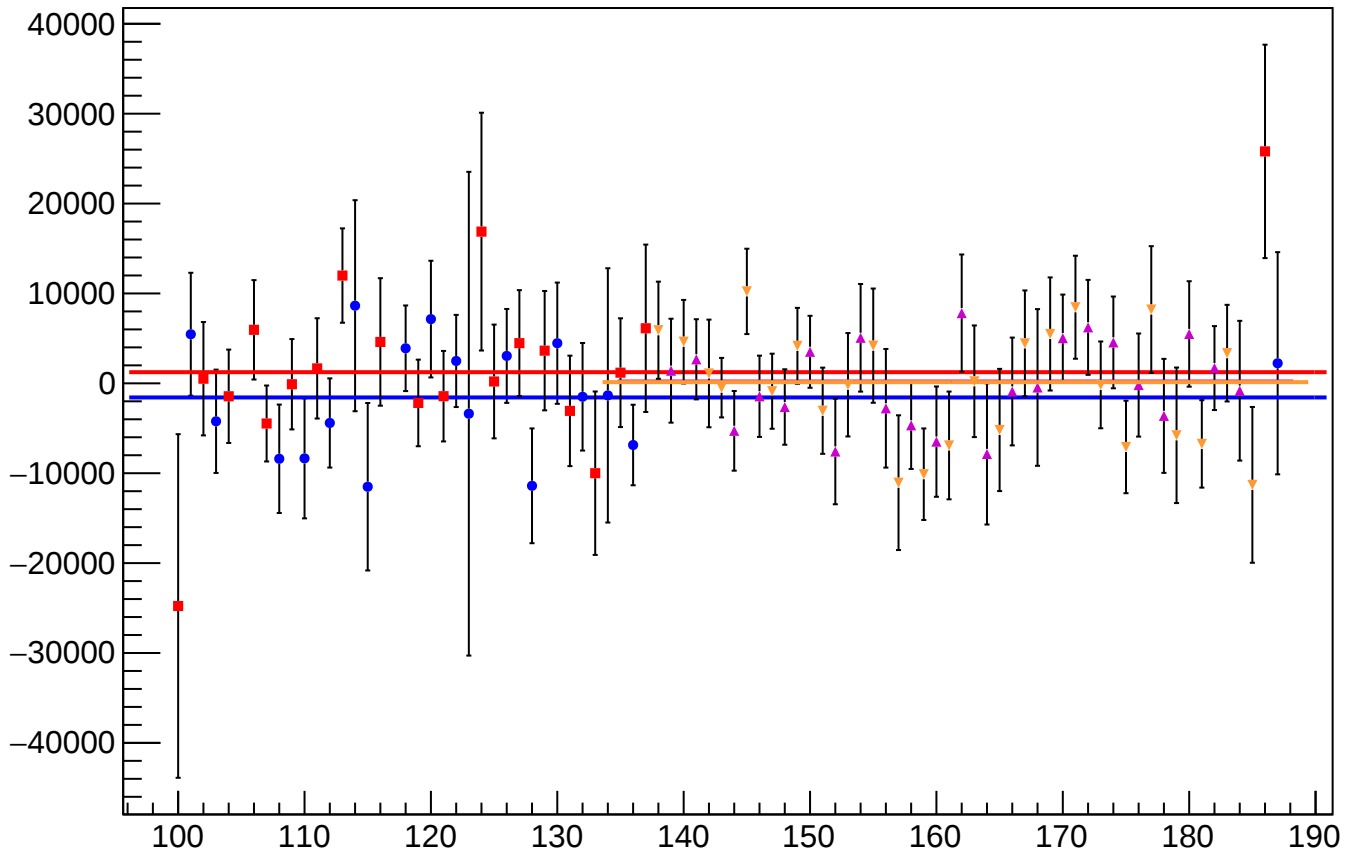
Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: 5923.362 $\pm$ 5.885 χ^2/NDF : 46954.8/1

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1569.608 ± 1506.362 $\chi^2/\text{NDF}: 15.0/17$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 1240.756 ± 1372.584 $\chi^2/\text{NDF}: 18.4/19$

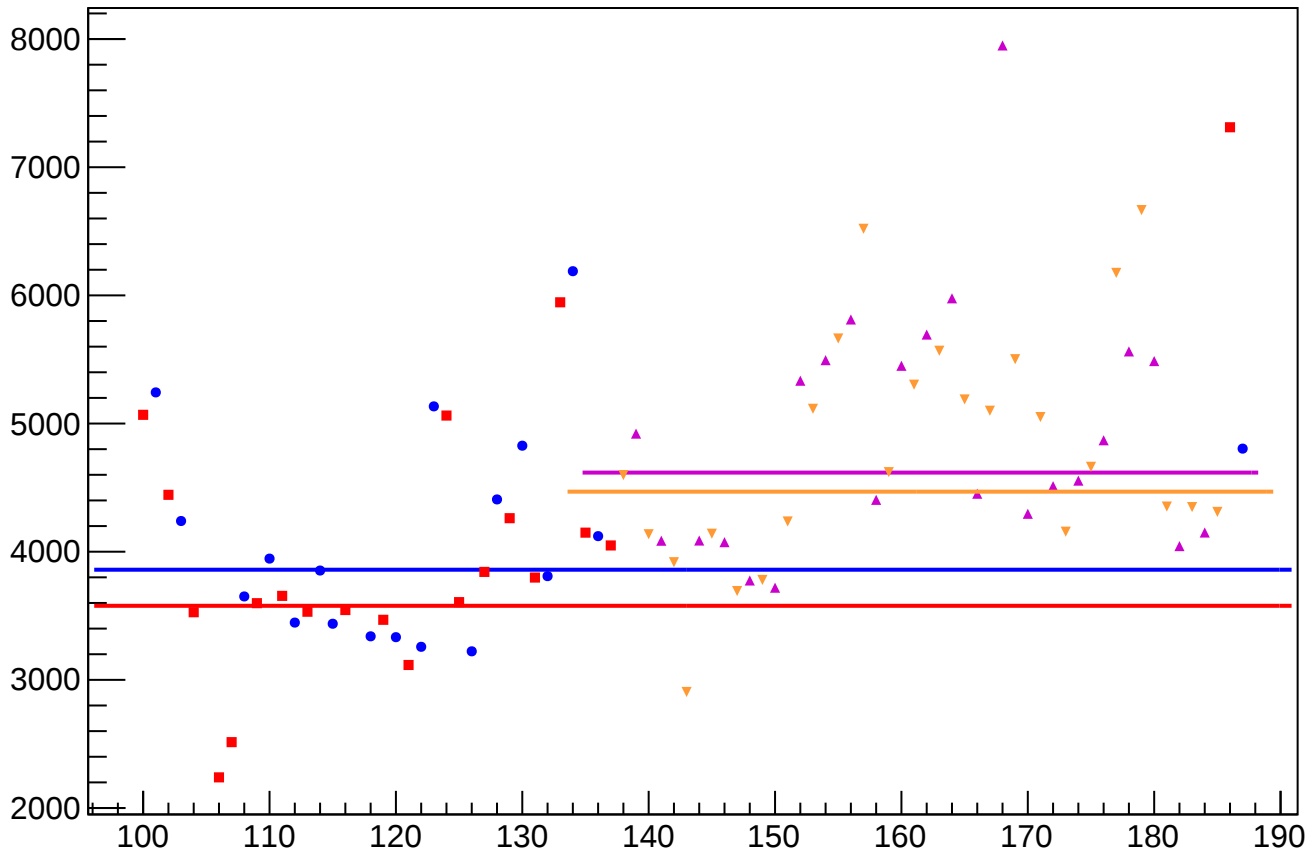
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign -435.380 ± 869.908 $\chi^2/\text{NDF}: 44.0/42$

All: 91.448 ± 614.935 $\chi^2/\text{NDF}: 78.2/85$

- sign 617.653 ± 869.393 $\chi^2/\text{NDF}: 33.5/42$

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3859.434+/-1.065 χ^2 /NDF: 338809.9/17

Left Out: 4468.520+/-0.753 χ^2 /NDF:1380601.0/24

Right Out: 3577.892+/-0.962 χ^2 /NDF: 756749.9/19

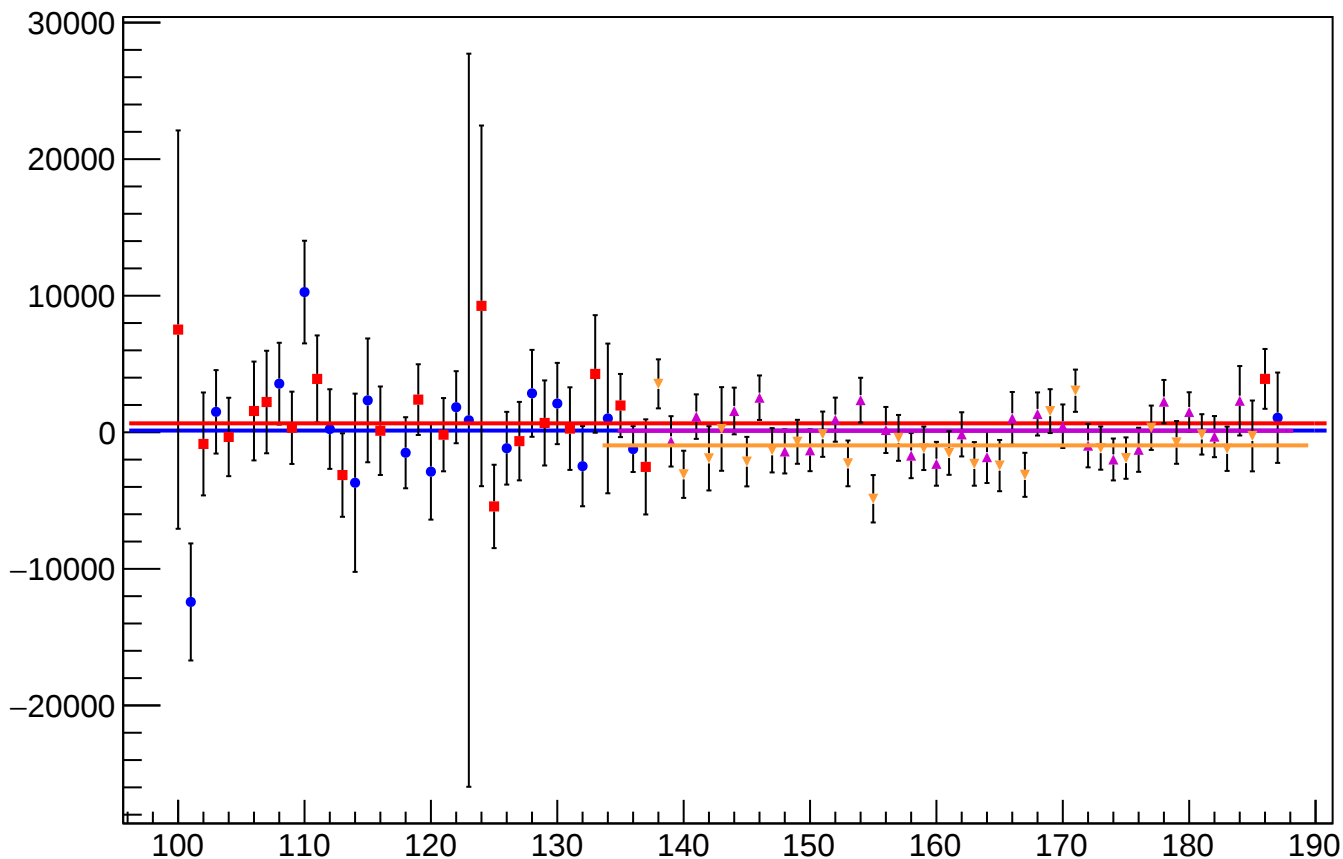
Left In: 4617.293+/-0.794 χ^2 /NDF:999599.8/22

+ sign 4265.386+/-0.615 χ^2 /NDF: 1937356.4/42

All: 4230.428+/-0.434 χ^2 /NDF: 4394353.4/85

- sign 4195.765+/-0.613 χ^2 /NDF: 2450564.5/42

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 126.876+/-734.072 χ^2/NDF : 22.5/17

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 655.228+/-697.722 χ^2/NDF : 12.6/19

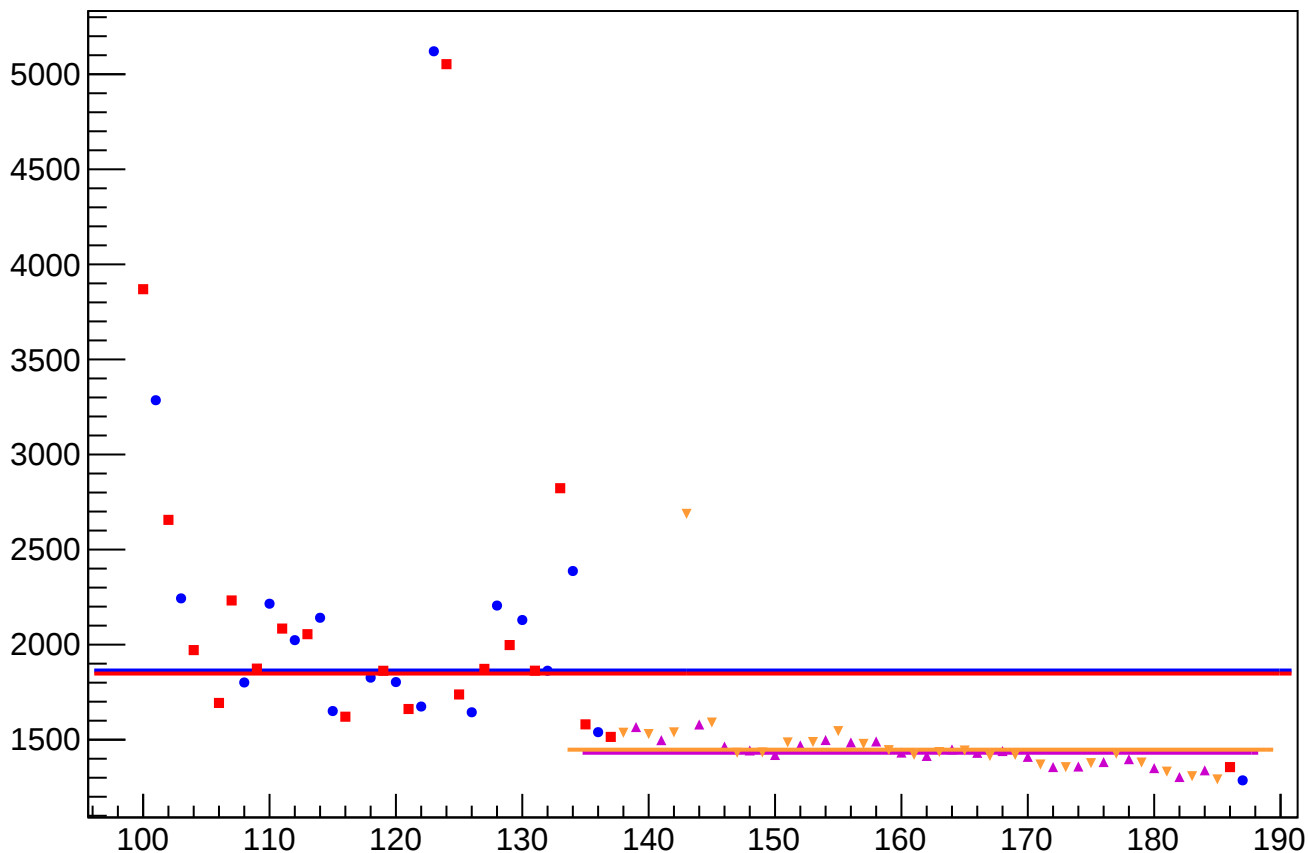
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -767.180+/-308.138 χ^2/NDF : 52.8/42

All: -276.615+/-217.942 χ^2/NDF : 90.4/85

- sign 214.448+/-308.295 χ^2/NDF : 32.5/42

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1863.875 $\pm$ 0.519 χ^2 /NDF: 530601.7/17

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1847.932 $\pm$ 0.493 χ^2 /NDF: 572501.2/19

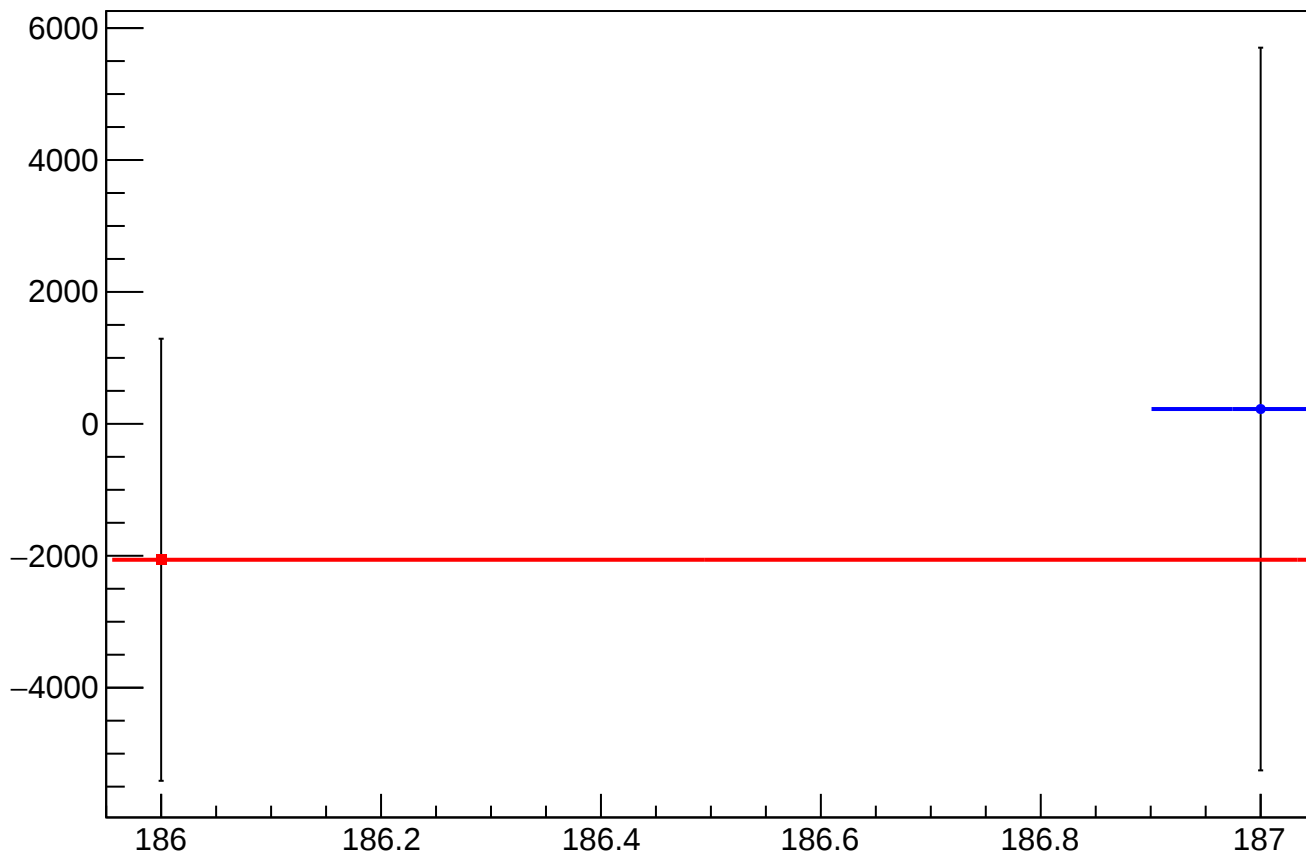
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1520.912 $\pm$ 0.218 χ^2 /NDF: 1479803.1/42

All: 1516.843 $\pm$ 0.154 χ^2 /NDF: 2701617.2/85

- sign 1512.770 $\pm$ 0.218 χ^2 /NDF: 1221116.2/42

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 224.778+/-5478.287 χ^2/NDF : 0.0/0

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

Right Out: -2060.424+/-3350.994 χ^2/NDF : 0.0/0

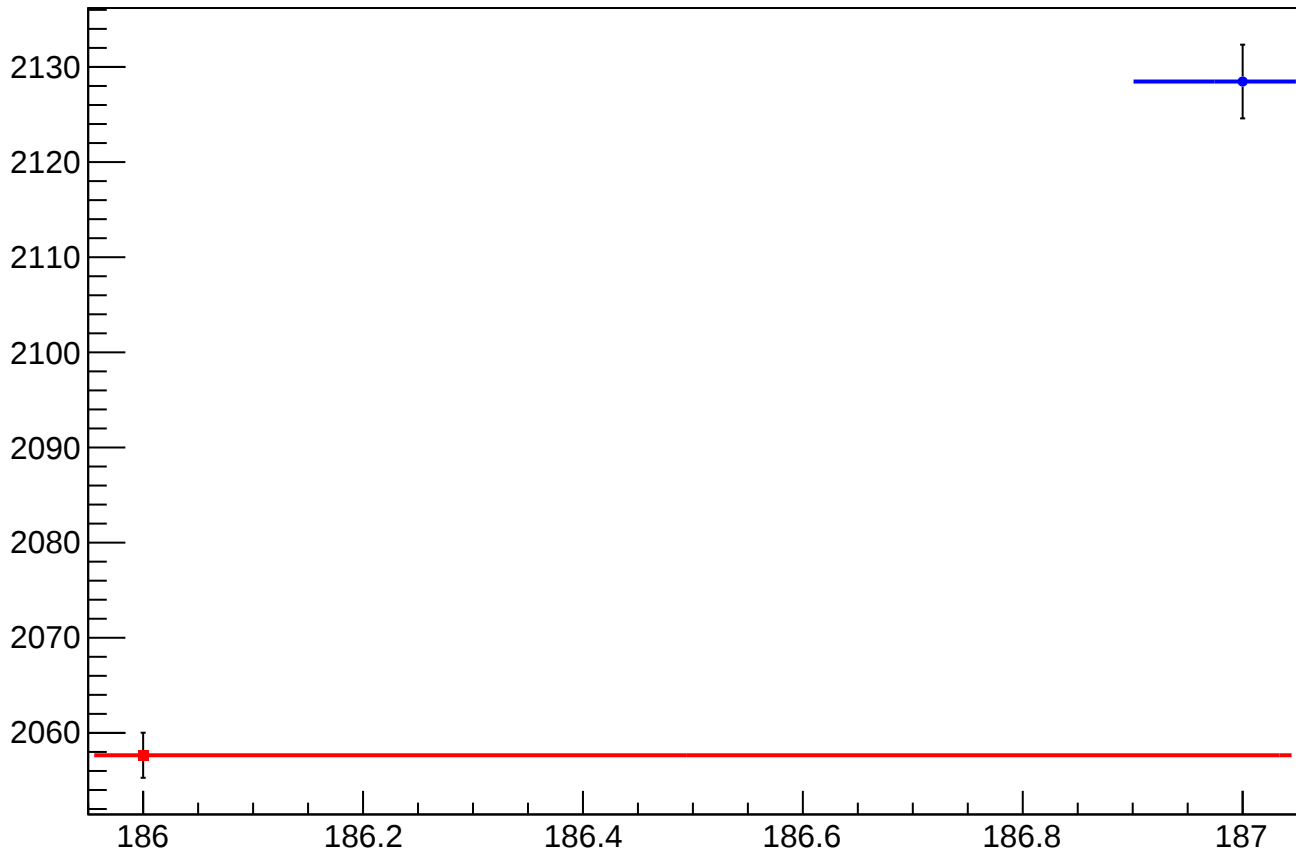
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1438.202+/-2858.610 χ^2/NDF : 0.1/1

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 2128.467 $\pm$ 3.874 χ^2 /NDF: 0.0/0

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

Right Out: 2057.651 $\pm$ 2.370 χ^2 /NDF: 0.0/0

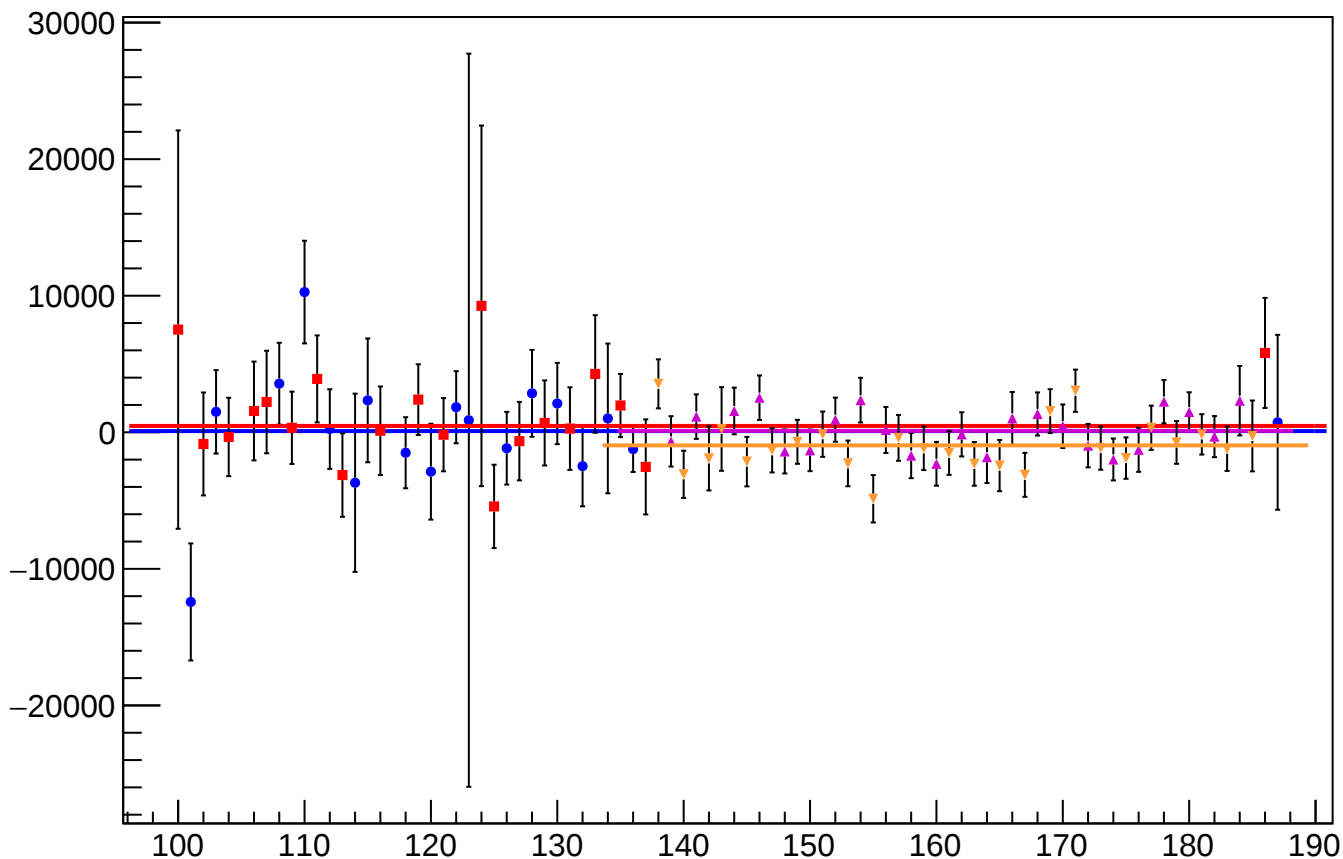
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 2076.933 $\pm$ 2.021 χ^2 /NDF: 243.2/1

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 87.117+/-747.695 χ^2/NDF : 22.4/17

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 466.082+/-724.074 χ^2/NDF : 12.0/19

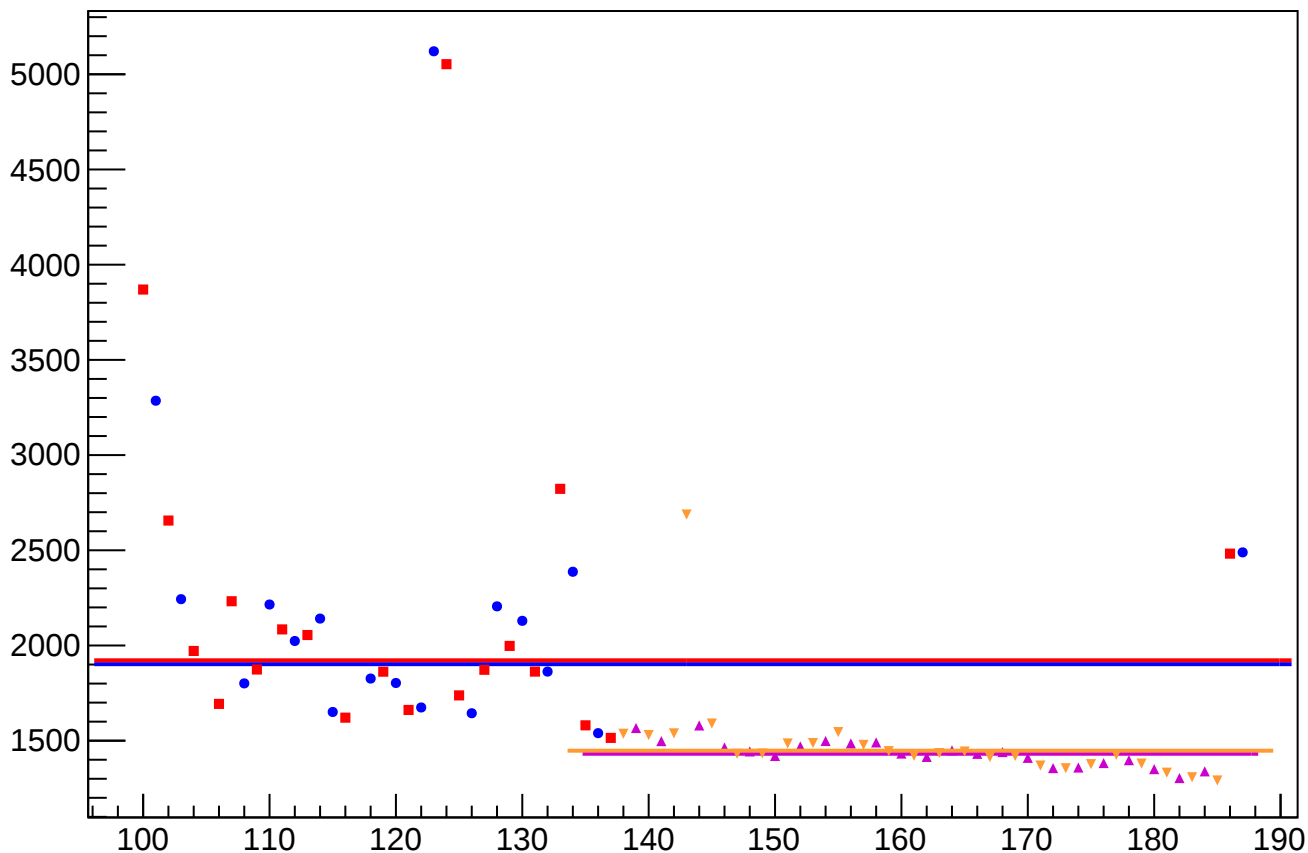
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -779.700+/-309.123 χ^2/NDF : 52.5/42

All: -305.201+/-219.057 χ^2/NDF : 88.9/85

- sign 173.436+/-310.468 χ^2/NDF : 31.6/42

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1901.912 $\pm$ 0.529 χ^2 /NDF: 483493.0/17

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1922.172 $\pm$ 0.512 χ^2 /NDF: 500187.4/19

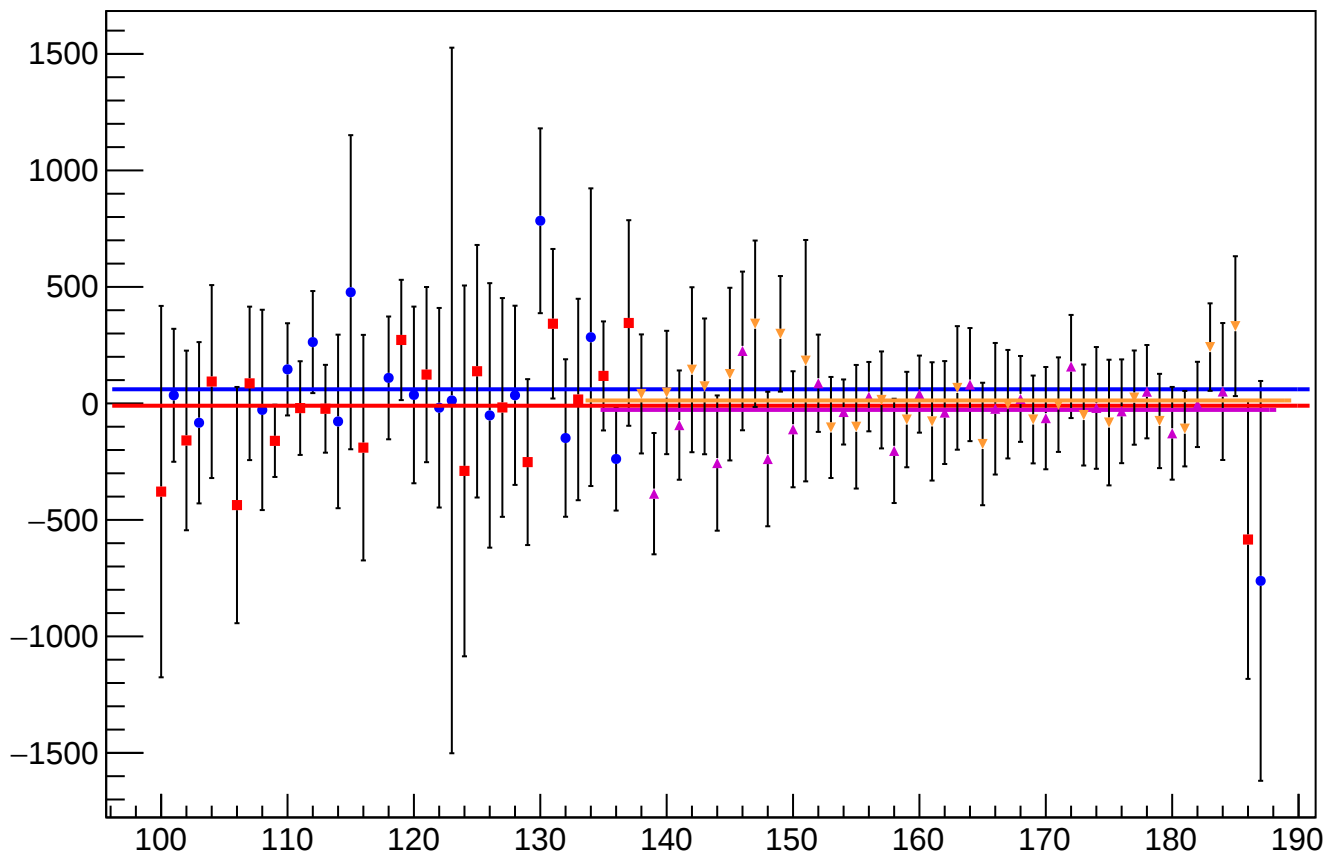
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1525.218 $\pm$ 0.219 χ^2 /NDF: 1515059.1/42

All: 1523.455 $\pm$ 0.155 χ^2 /NDF: 2840236.5/85

- sign 1521.677 $\pm$ 0.220 χ^2 /NDF: 1325046.8/42

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 60.627 $\pm$ 79.494 χ^2 /NDF: 8.5/17

Left Out: 12.618 $\pm$ 47.486 χ^2 /NDF: 7.7/24

Right Out: -9.928 $\pm$ 69.545 χ^2 /NDF: 7.4/19

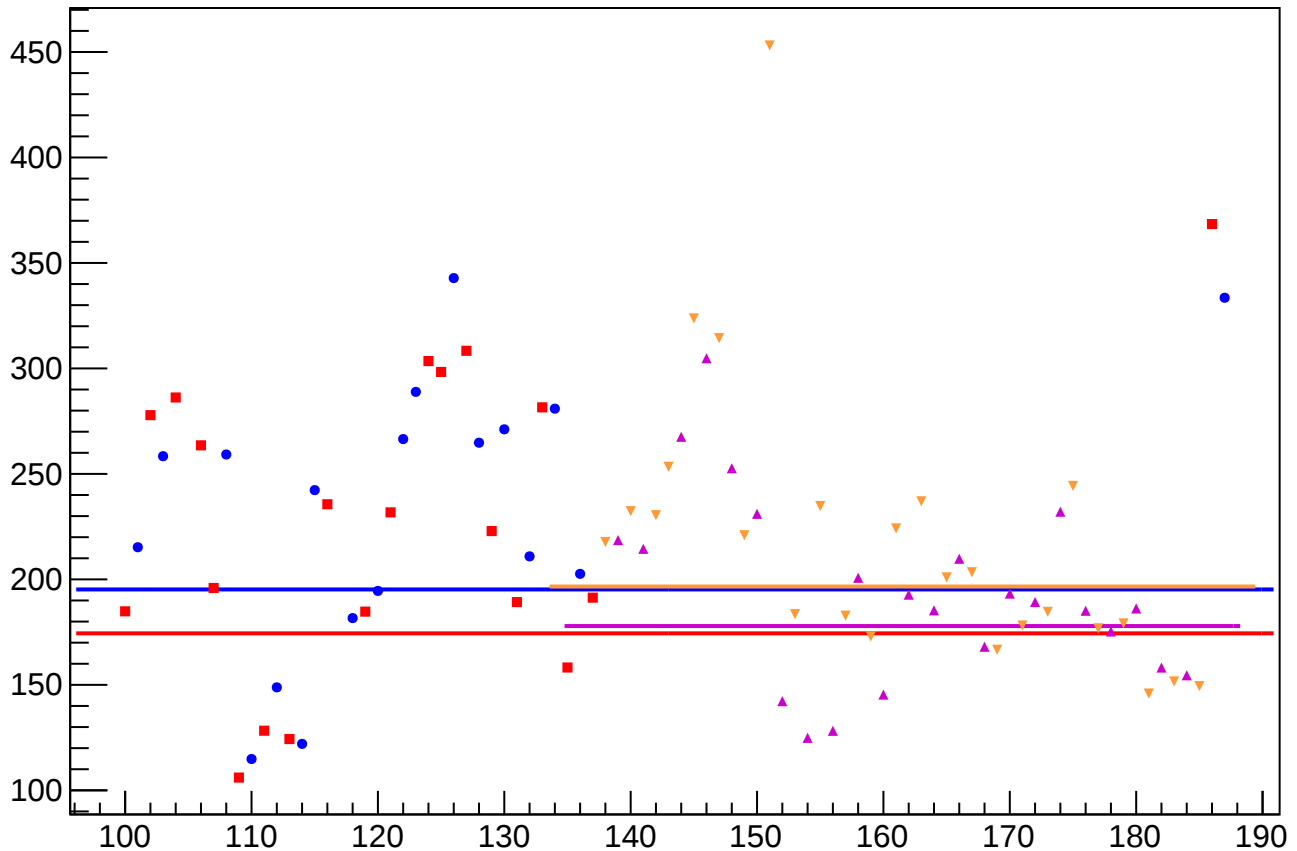
Left In: -27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

+ sign 25.244 $\pm$ 40.766 χ^2 /NDF: 16.4/42

All: -0.722 $\pm$ 27.598 χ^2 /NDF: 31.1/85

- sign -22.690 $\pm$ 37.497 χ^2 /NDF: 14.0/42

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.229 $\pm$ 0.056 χ^2 /NDF: 1064335.2/17

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF: 1793507.9/24

Right Out: 174.419 $\pm$ 0.049 χ^2 /NDF: 1784905.9/19

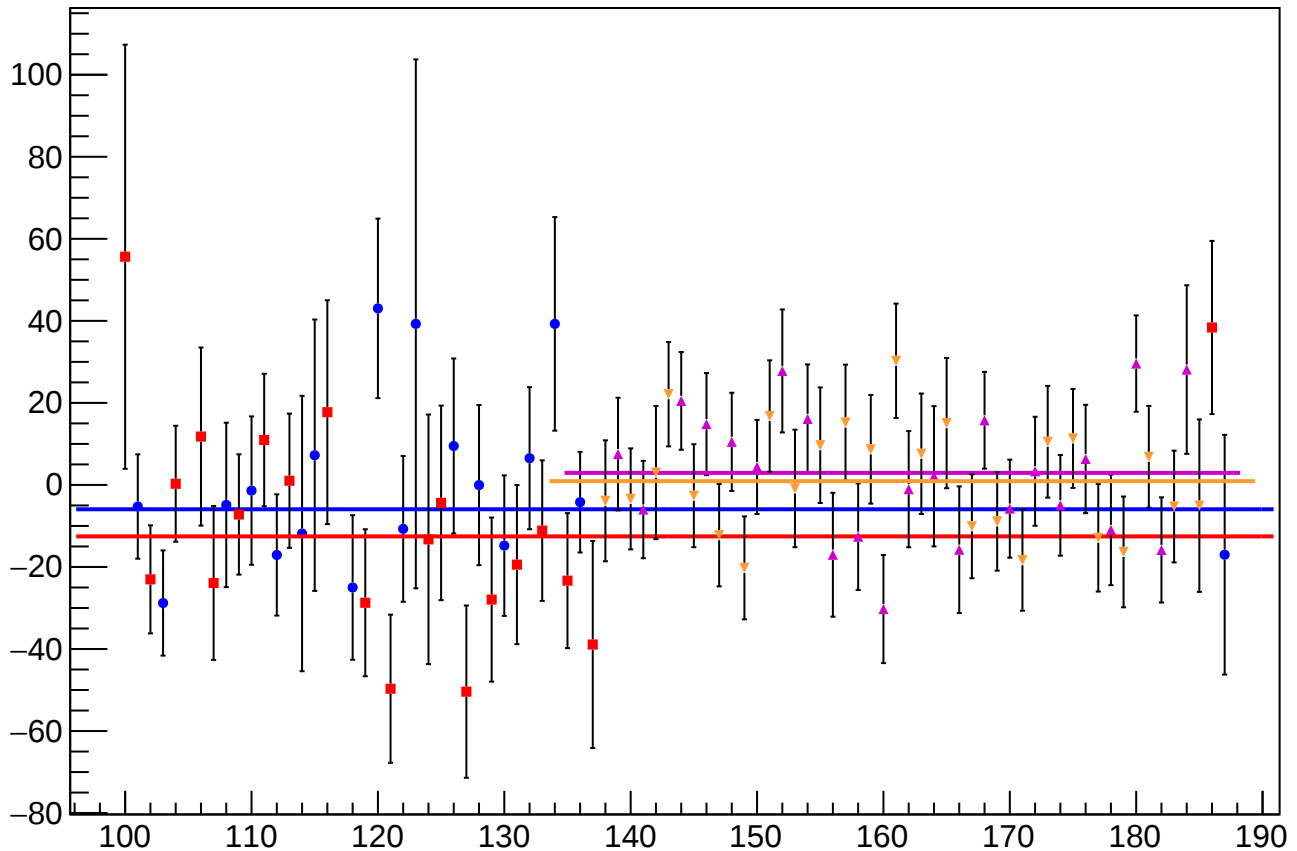
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF: 1644086.7/22

+ sign 196.254 $\pm$ 0.029 χ^2 /NDF: 2858294.0/42

All: 185.755 $\pm$ 0.020 χ^2 /NDF: 6535685.5/85

- sign 176.872 $\pm$ 0.027 χ^2 /NDF: 3432501.6/42

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.934 ± 4.313 χ^2/NDF : 15.3/17

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -12.545 ± 4.187 χ^2/NDF : 25.5/19

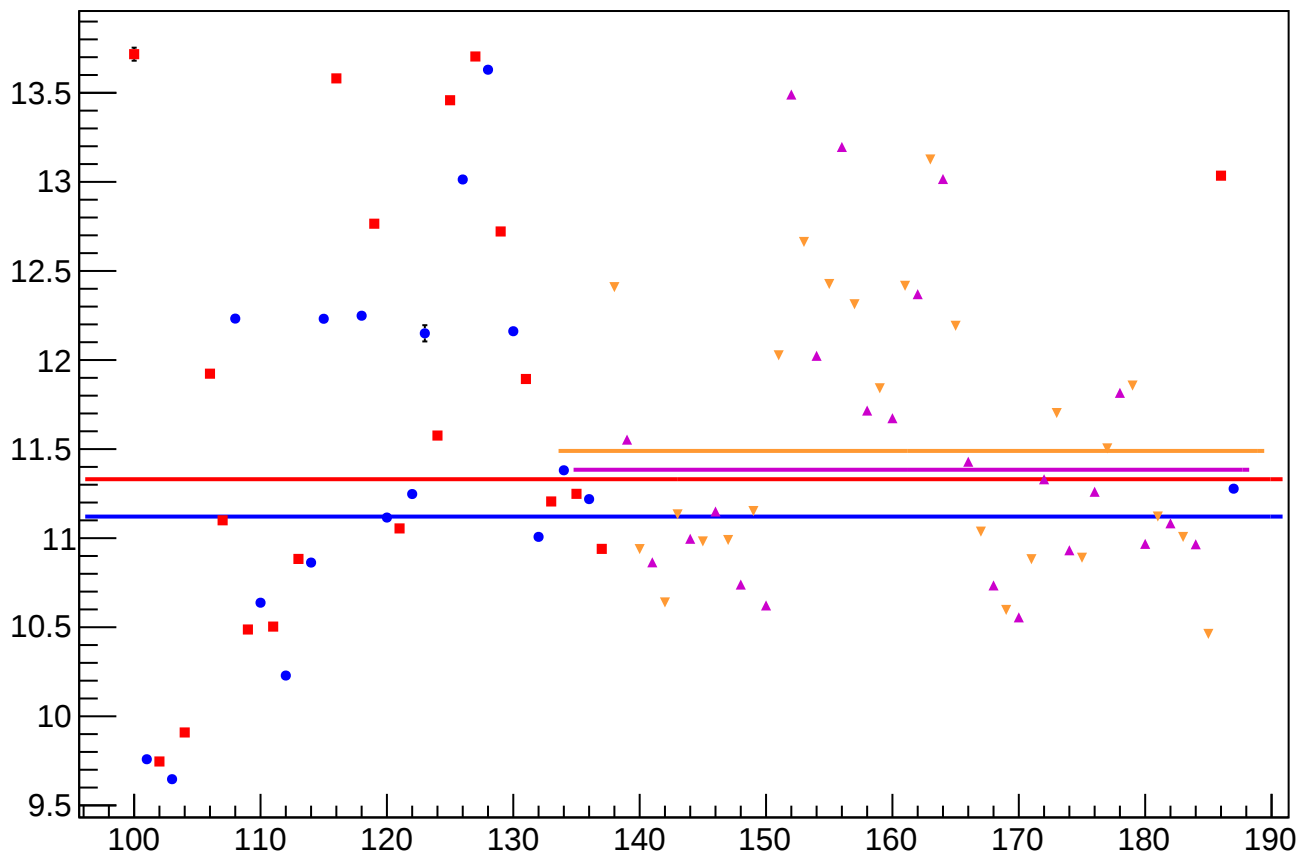
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.006 ± 2.286 χ^2/NDF : 41.1/42

All: -1.358 ± 1.620 χ^2/NDF : 107.3/85

- sign -1.714 ± 2.295 χ^2/NDF : 66.1/42

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.121 $\pm$ 0.003 χ^2 /NDF: 132009.8/17

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.331 $\pm$ 0.003 χ^2 /NDF: 162266.2/19

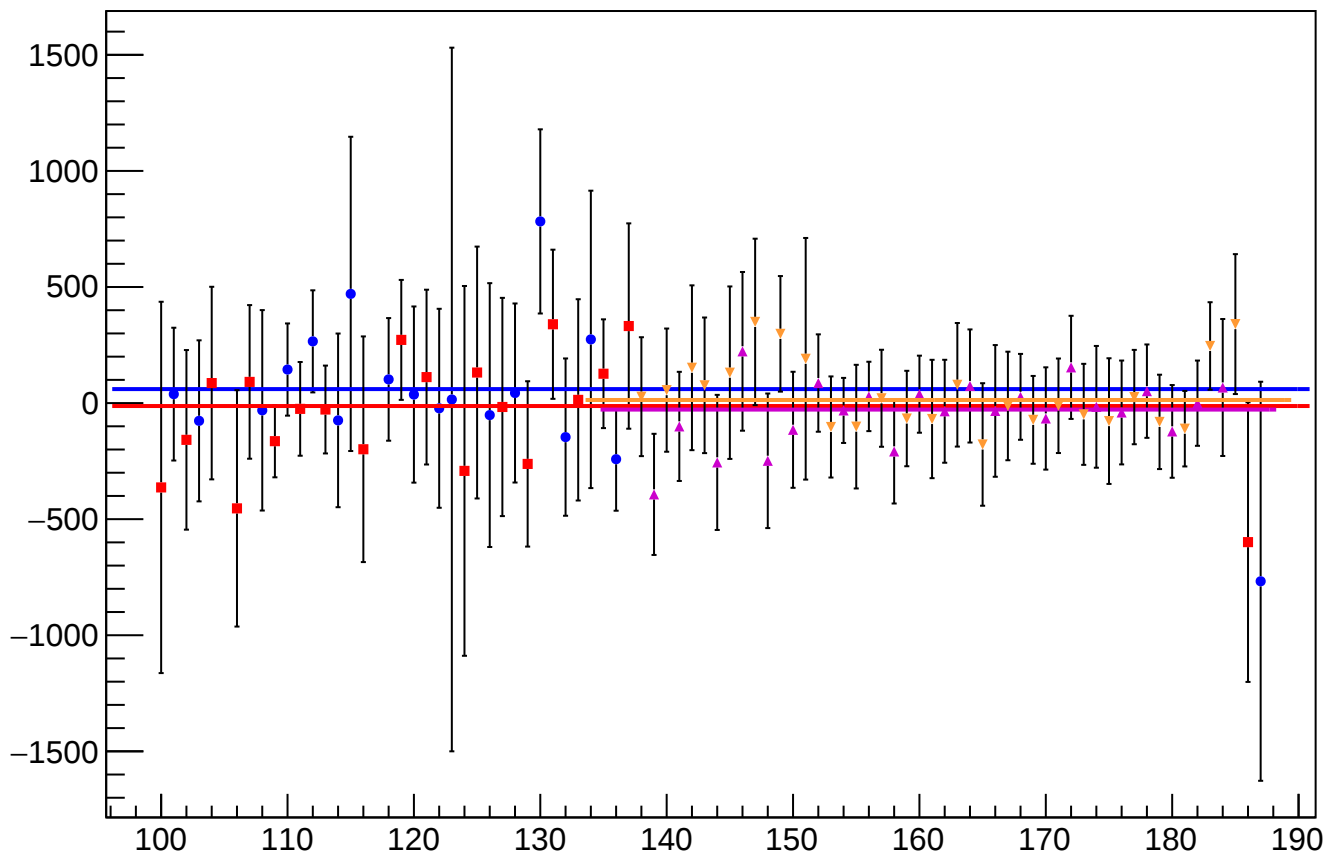
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.386 $\pm$ 0.002 χ^2 /NDF: 274908.2/42

All: 11.377 $\pm$ 0.001 χ^2 /NDF: 587261.8/85

- sign 11.368 $\pm$ 0.002 χ^2 /NDF: 312291.1/42

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 60.279 $\pm$ 79.703 χ^2 /NDF: 8.4/17

Left Out: 13.323 $\pm$ 47.662 χ^2 /NDF: 7.9/24

Right Out: -12.690 $\pm$ 69.752 χ^2 /NDF: 7.5/19

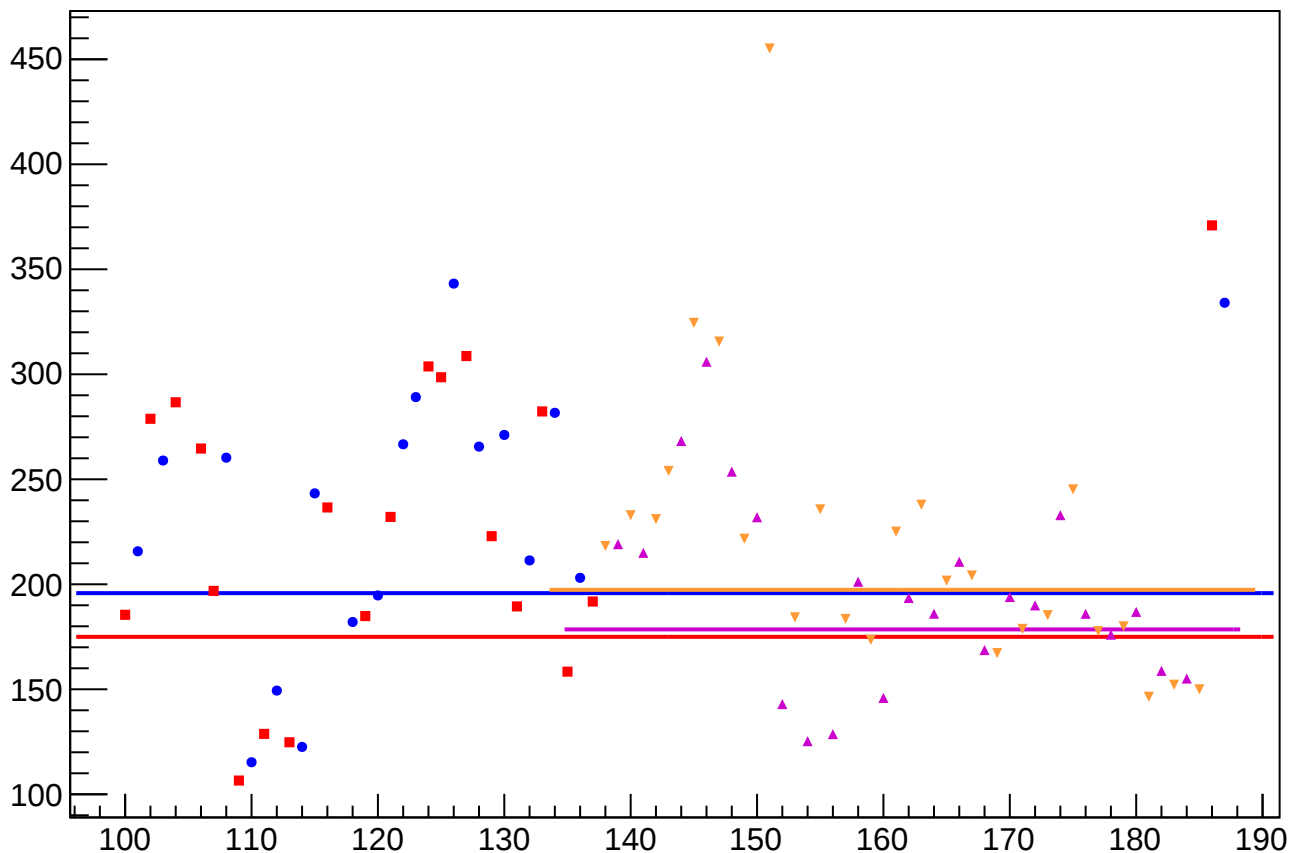
Left In: -28.050 $\pm$ 44.681 χ^2 /NDF: 6.6/22

+ sign 25.691 $\pm$ 40.906 χ^2 /NDF: 16.6/42

All: -1.000 $\pm$ 27.692 χ^2 /NDF: 31.5/85

- sign -23.581 $\pm$ 37.624 χ^2 /NDF: 14.1/42

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 195.782 $\pm$ 0.056 χ^2 /NDF: 1059206.5/17

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 174.977 $\pm$ 0.049 χ^2 /NDF: 1778891.2/19

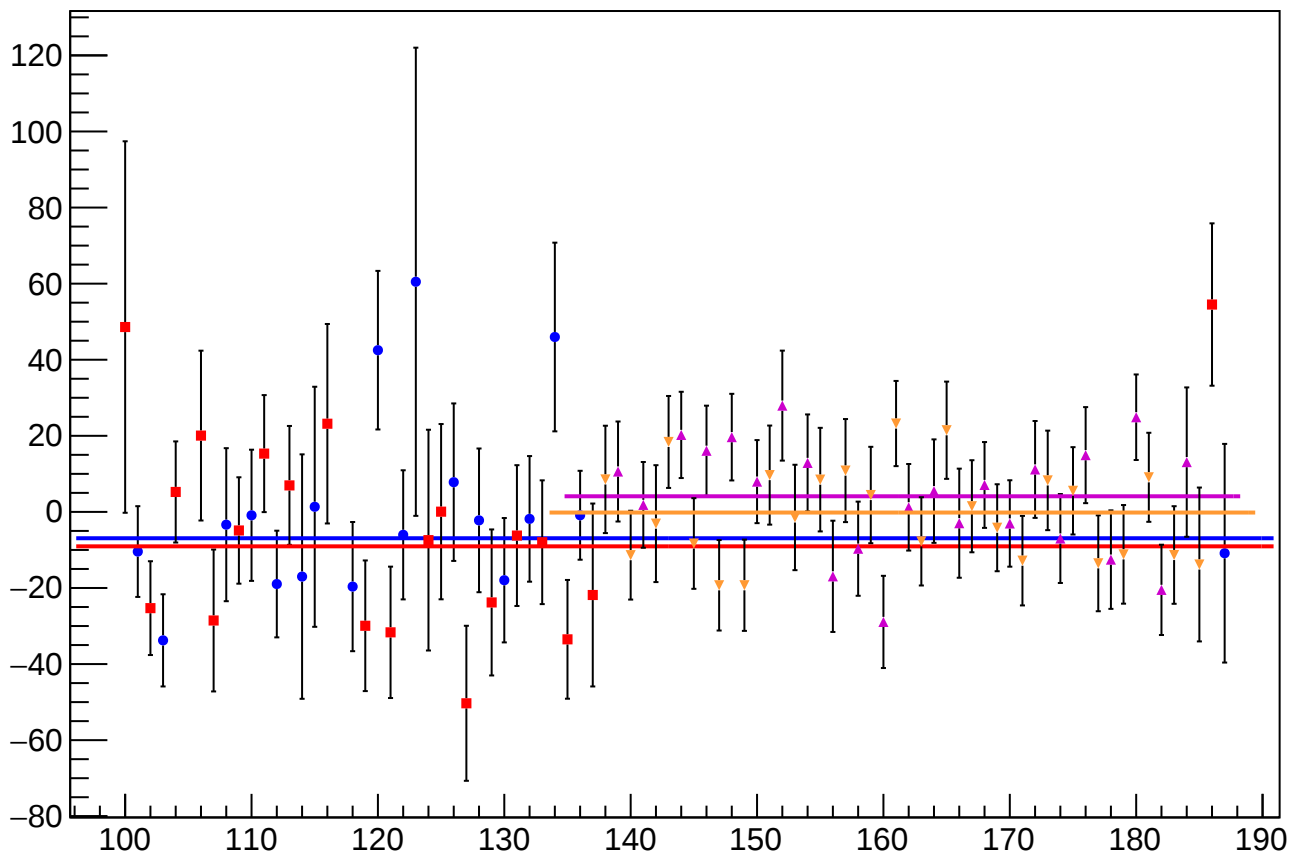
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 196.941 $\pm$ 0.029 χ^2 /NDF: 2850605.0/42

All: 186.400 $\pm$ 0.020 χ^2 /NDF: 6520575.8/85

- sign 177.483 $\pm$ 0.027 χ^2 /NDF: 3424838.5/42

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.924 ± 4.119 χ^2/NDF : 19.4/17

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -9.053 ± 4.013 χ^2/NDF : 31.9/19

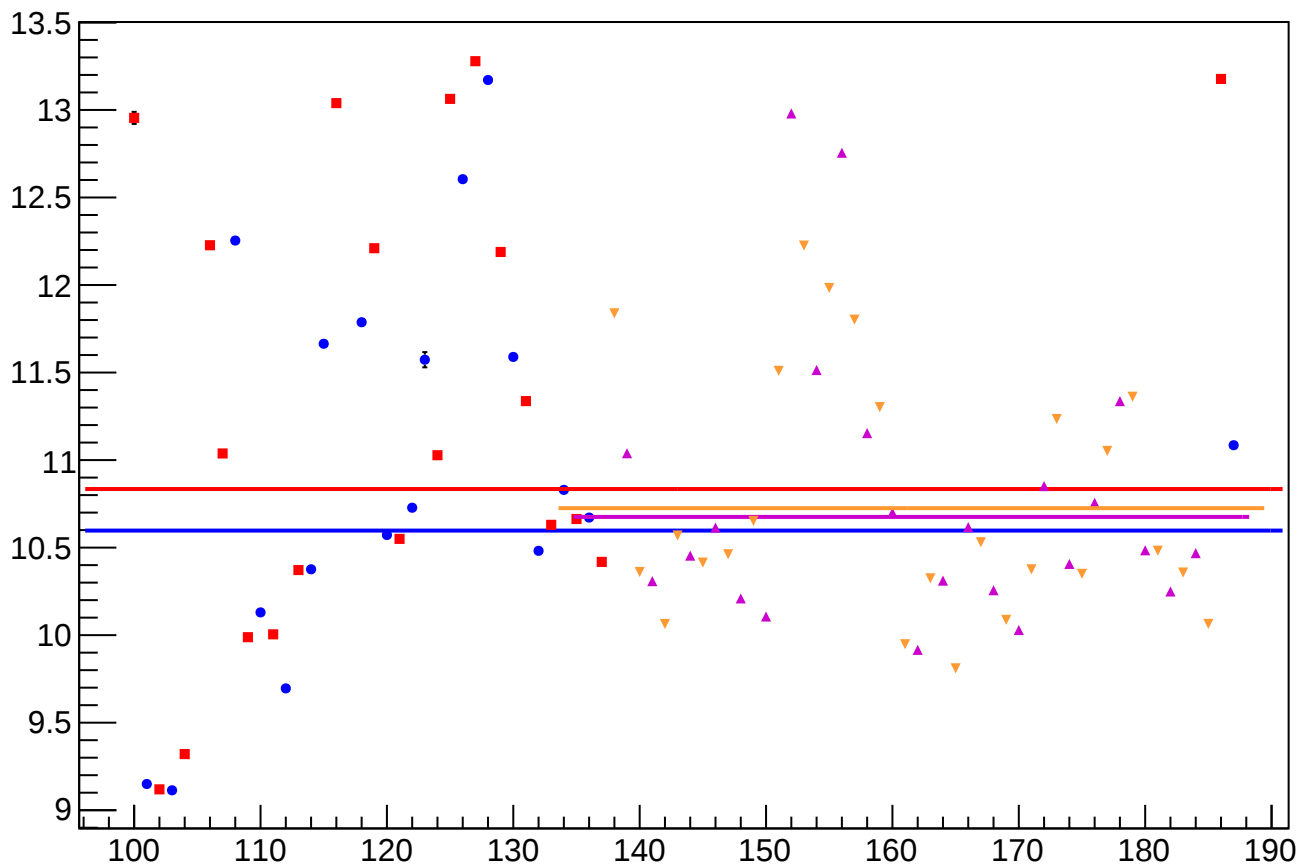
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -2.010 ± 2.150 χ^2/NDF : 45.7/42

All: -0.883 ± 1.527 χ^2/NDF : 117.4/85

- sign 0.264 ± 2.168 χ^2/NDF : 71.1/42

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.597 ± 0.003 χ^2/NDF : 159810.6/17

Left Out: 10.725 ± 0.002 χ^2/NDF : 132170.8/24

Right Out: 10.835 ± 0.003 χ^2/NDF : 203166.0/19

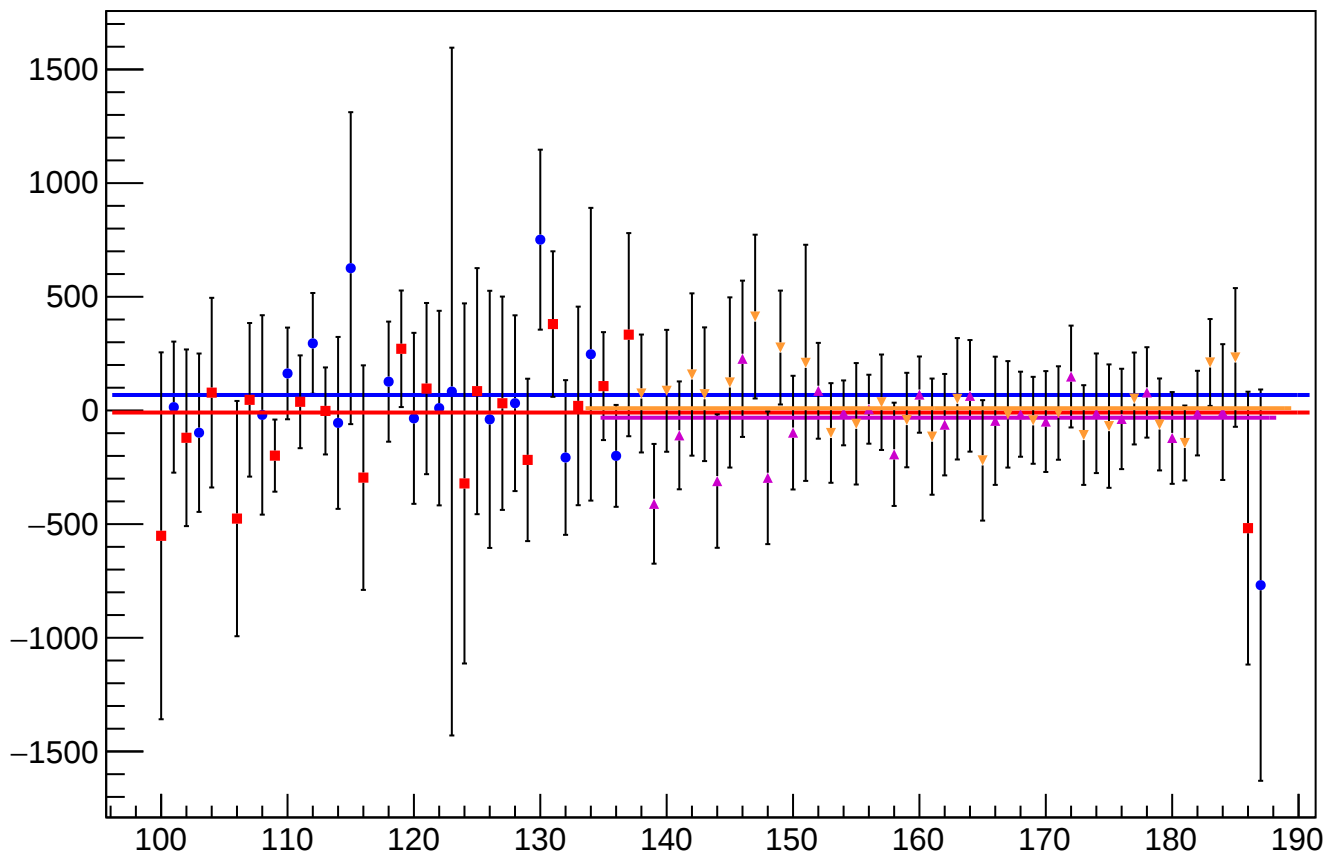
Left In: 10.675 ± 0.002 χ^2/NDF : 145938.2/22

+ sign 10.691 ± 0.002 χ^2/NDF : 293390.9/42

All: 10.706 ± 0.001 χ^2/NDF : 644937.9/85

- sign 10.722 ± 0.002 χ^2/NDF : 351335.3/42

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 68.037 ± 80.232 χ^2/NDF : 8.6/17

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: -9.145 ± 70.406 χ^2/NDF : 8.1/19

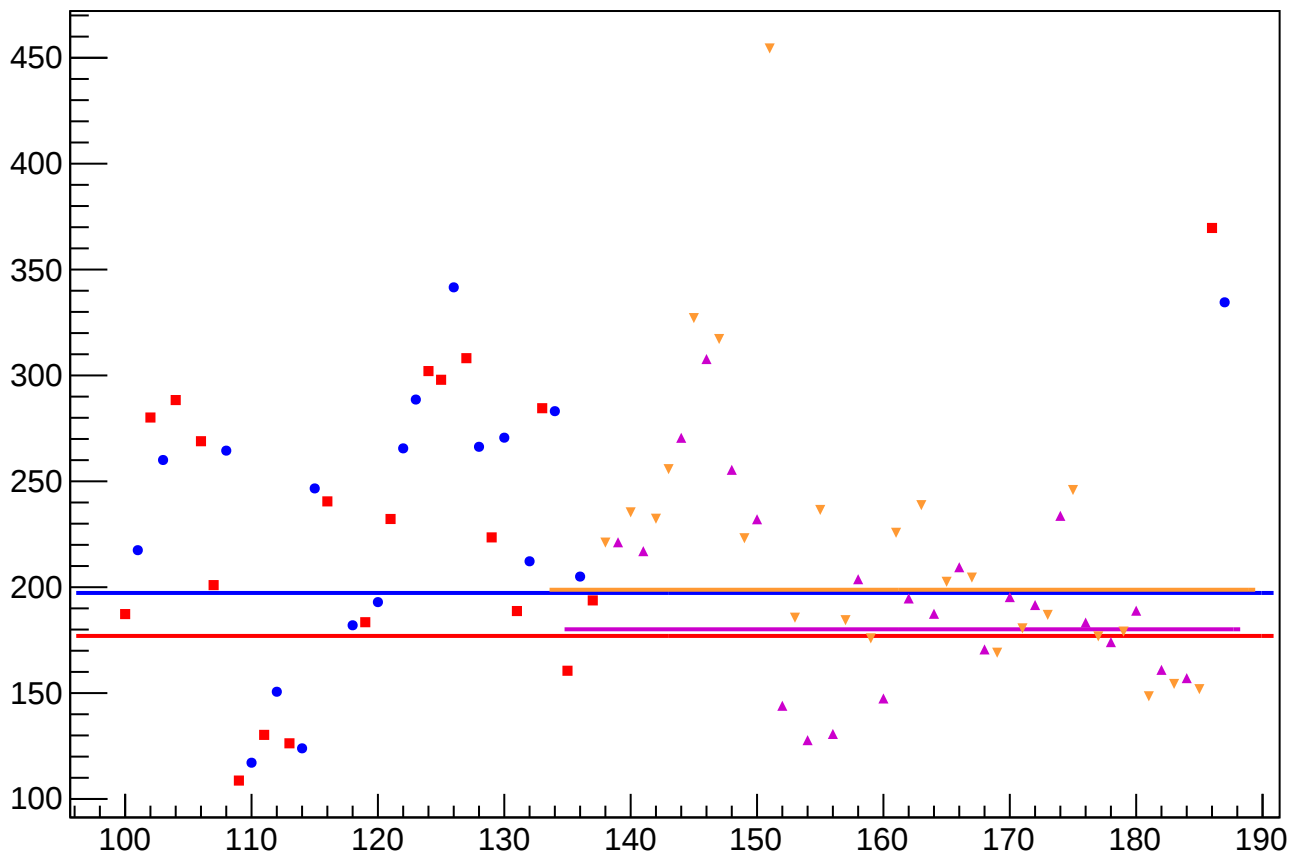
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign 25.141 ± 41.178 χ^2/NDF : 16.5/42

All: -2.170 ± 27.902 χ^2/NDF : 32.7/85

- sign -25.355 ± 37.940 χ^2/NDF : 15.3/42

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 197.288 $\pm$ 0.057 χ^2/NDF : 1032436.5/17

Left Out: 198.800 $\pm$ 0.034 χ^2/NDF : 1763119.1/24

Right Out: 176.990 $\pm$ 0.050 χ^2/NDF : 1732859.9/19

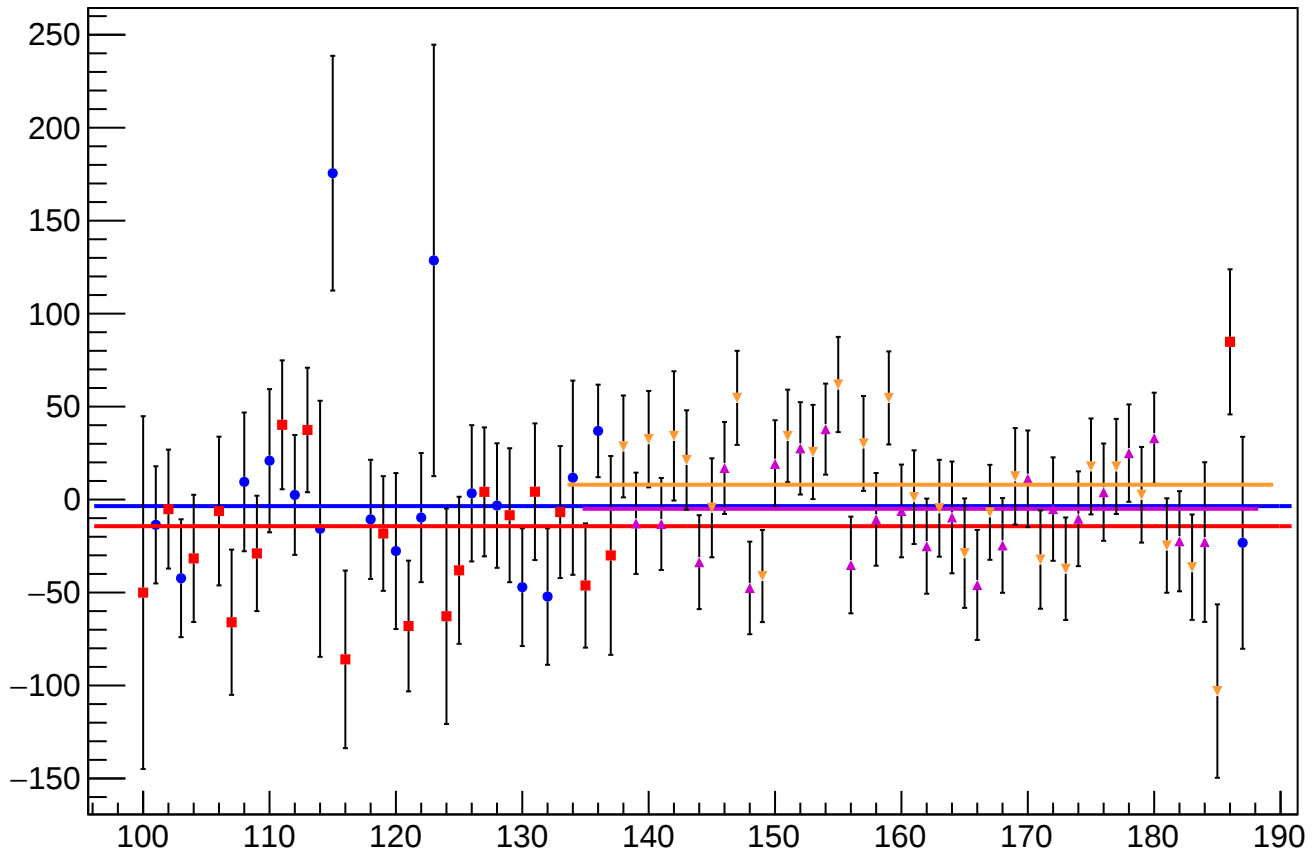
Left In: 180.123 $\pm$ 0.032 χ^2/NDF : 1593842.6/22

+ sign 198.402 $\pm$ 0.029 χ^2/NDF : 2796078.6/42

All: 188.024 $\pm$ 0.020 χ^2/NDF : 6360488.2/85

- sign 179.213 $\pm$ 0.027 χ^2/NDF : 3329512.5/42

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.524 $\pm$ 8.794 χ^2/NDF : 18.5/17

Left Out: 7.990 $\pm$ 5.327 χ^2/NDF : 37.4/24

Right Out: -14.326 $\pm$ 8.374 χ^2/NDF : 21.1/19

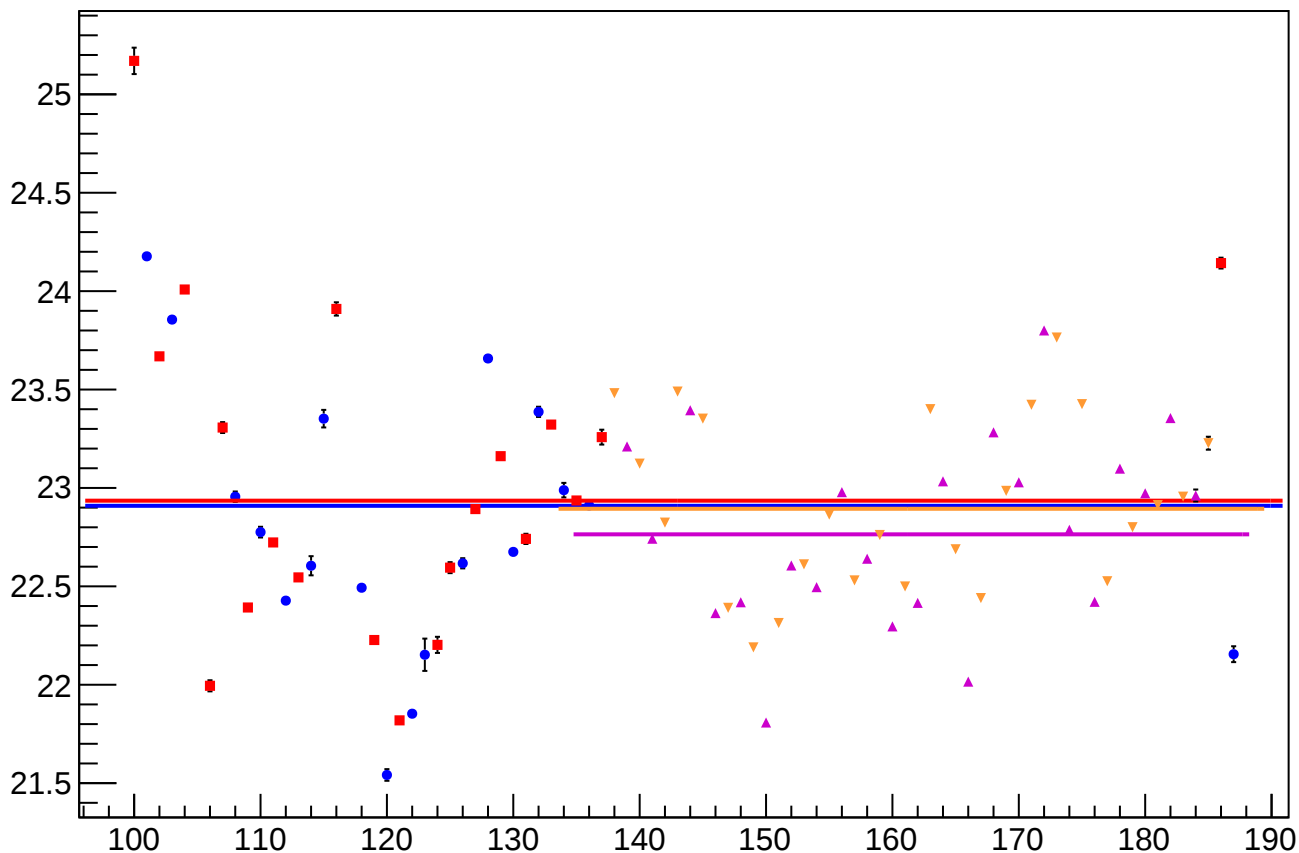
Left In: -4.973 $\pm$ 5.444 χ^2/NDF : 20.5/22

+ sign 4.899 $\pm$ 4.556 χ^2/NDF : 57.2/42

All: -1.415 $\pm$ 3.225 χ^2/NDF : 103.4/85

- sign -7.752 $\pm$ 4.565 χ^2/NDF : 42.4/42

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.909 $\pm$ 0.006 χ^2 /NDF: 11959.4/17

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.935 $\pm$ 0.006 χ^2 /NDF: 13104.8/19

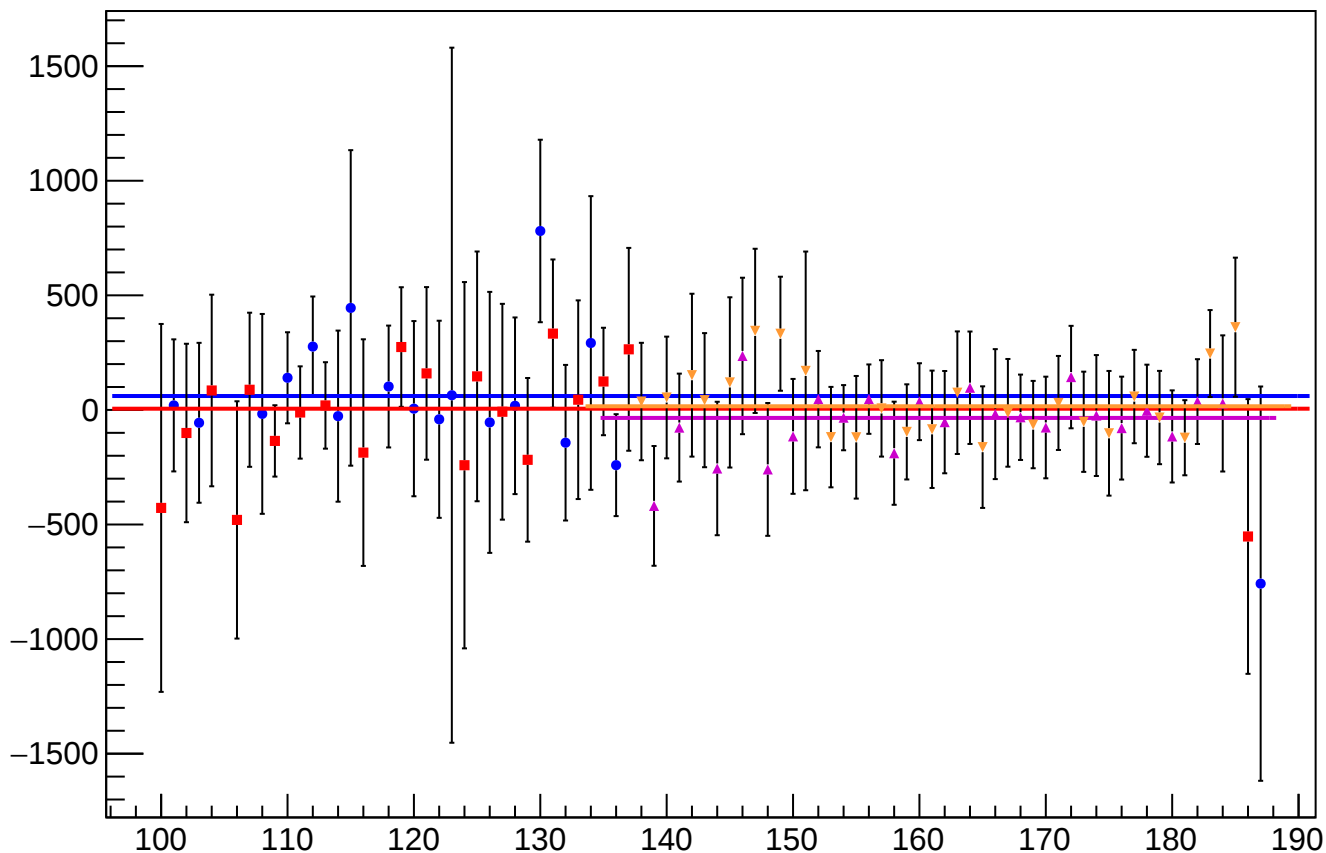
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.898 $\pm$ 0.003 χ^2 /NDF: 25034.2/42

All: 22.857 $\pm$ 0.002 χ^2 /NDF: 53723.1/85

- sign 22.815 $\pm$ 0.003 χ^2 /NDF: 28357.0/42

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 60.657 $\pm$ 79.882 χ^2 /NDF: 8.3/17

Left Out: 15.904 $\pm$ 47.898 χ^2 /NDF: 8.4/24

Right Out: 5.314 $\pm$ 69.918 χ^2 /NDF: 6.6/19

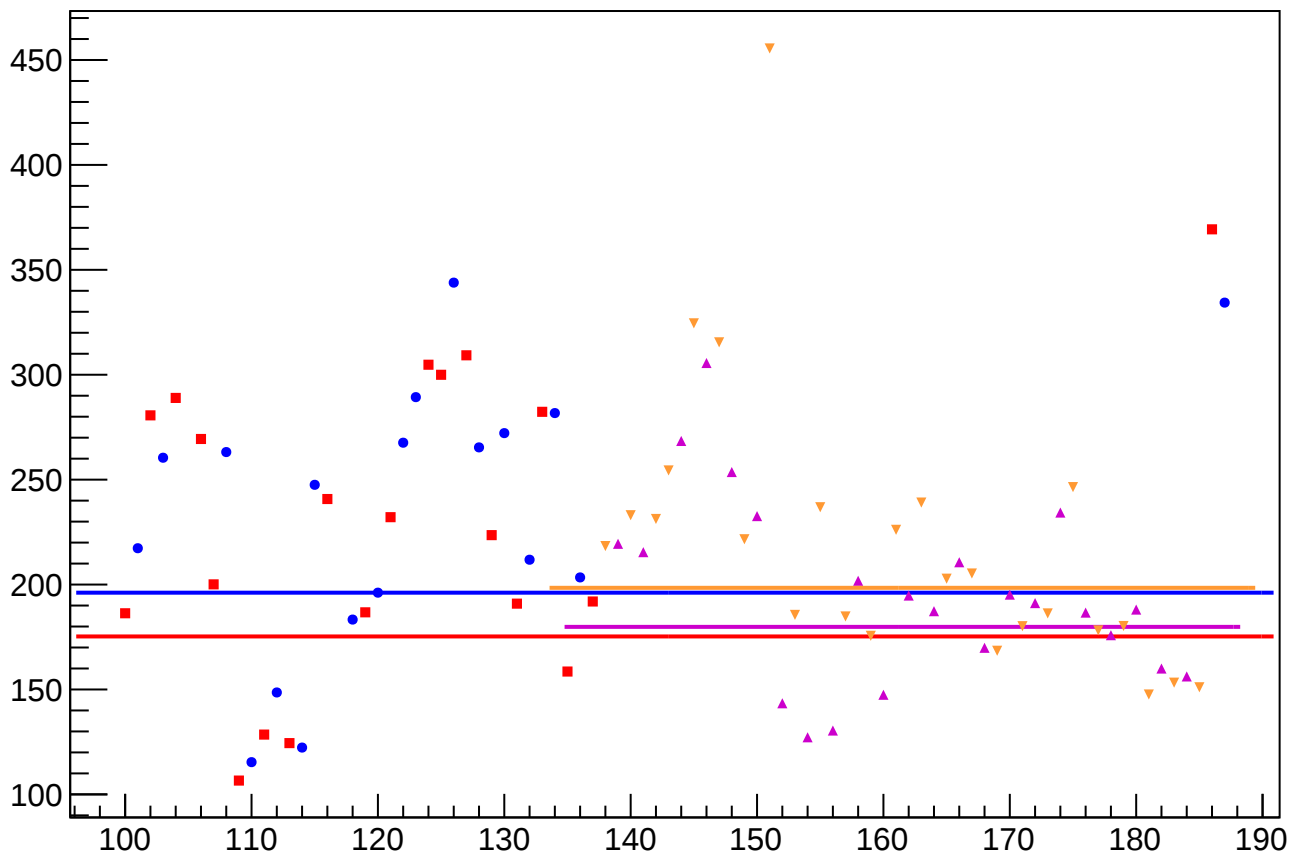
Left In: -34.919 $\pm$ 44.971 χ^2 /NDF: 6.6/22

+ sign 27.739 $\pm$ 41.079 χ^2 /NDF: 17.0/42

All: 0.200 $\pm$ 27.825 χ^2 /NDF: 31.2/85

- sign -23.145 $\pm$ 37.823 χ^2 /NDF: 13.4/42

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 196.129 $\pm$ 0.056 χ^2 /NDF: 1073989.7/17

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 175.271 $\pm$ 0.049 χ^2 /NDF: 1803915.6/19

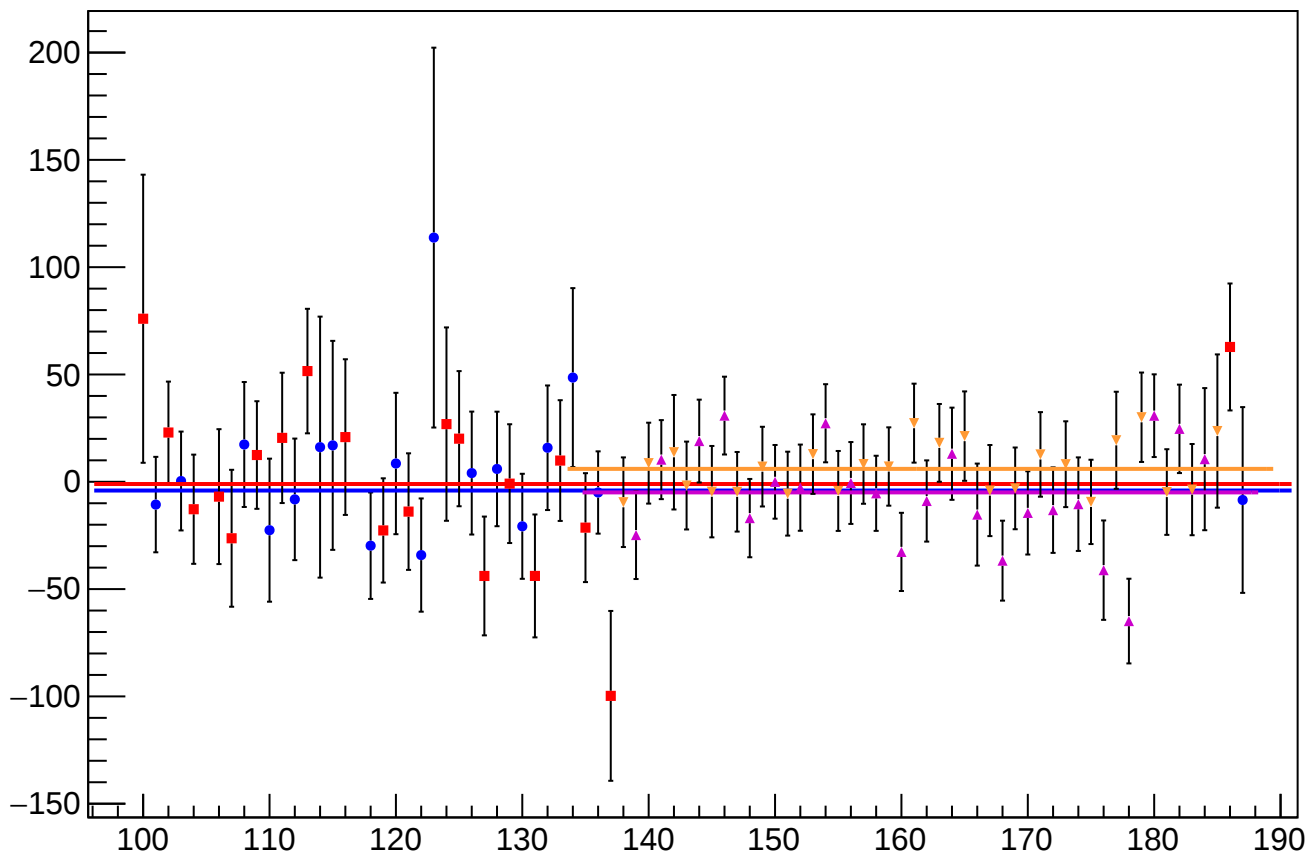
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 197.836 $\pm$ 0.029 χ^2 /NDF: 2836665.4/42

All: 187.372 $\pm$ 0.020 χ^2 /NDF: 6475218.5/85

- sign 178.502 $\pm$ 0.027 χ^2 /NDF: 3398790.0/42

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.072 ± 6.844 χ^2/NDF : 8.4/17

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -1.040 ± 6.573 χ^2/NDF : 25.8/19

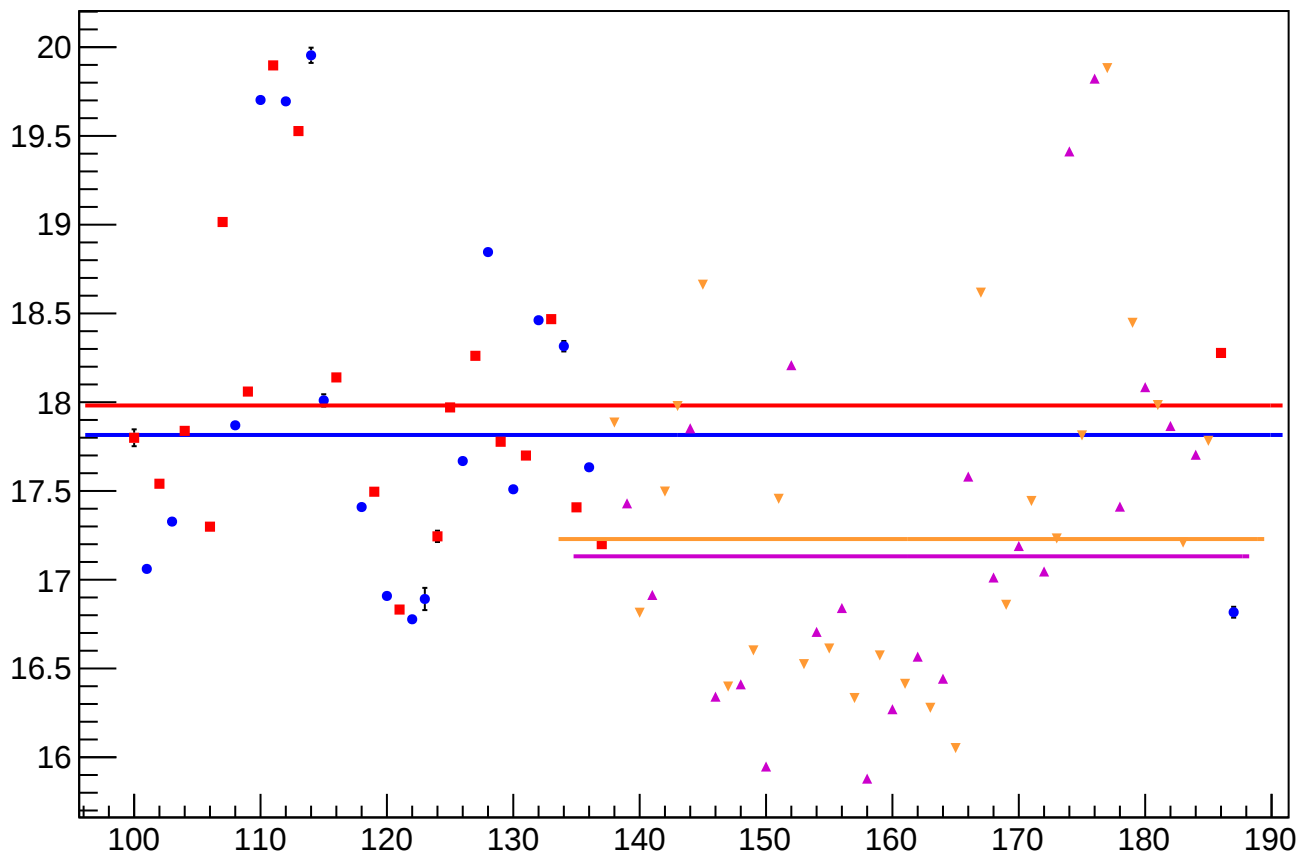
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 3.434 ± 3.464 χ^2/NDF : 18.1/42

All: -0.187 ± 2.456 χ^2/NDF : 81.2/85

- sign -3.847 ± 3.483 χ^2/NDF : 60.9/42

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.815 $\pm$ 0.005 χ^2 /NDF: 32168.9/17

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.982 $\pm$ 0.005 χ^2 /NDF: 25534.5/19

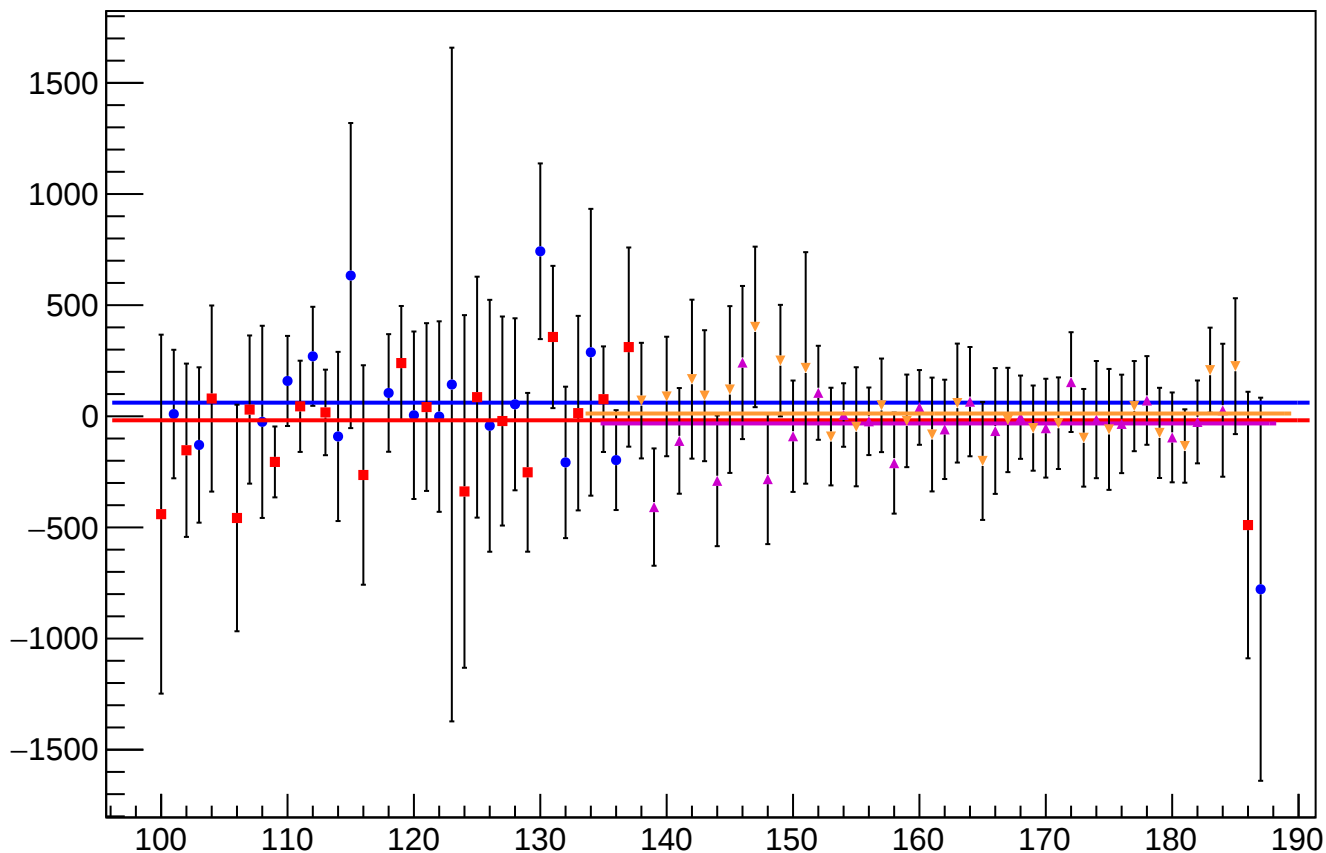
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.379 $\pm$ 0.002 χ^2 /NDF: 141709.6/42

All: 17.375 $\pm$ 0.002 χ^2 /NDF: 295284.0/85

- sign 17.370 $\pm$ 0.002 χ^2 /NDF: 153567.8/42

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 61.329 $\pm$ 80.430 χ^2 /NDF: 8.4/17

Left Out: 12.474 $\pm$ 48.086 χ^2 /NDF: 6.8/24

Right Out: -18.020 $\pm$ 70.560 χ^2 /NDF: 7.3/19

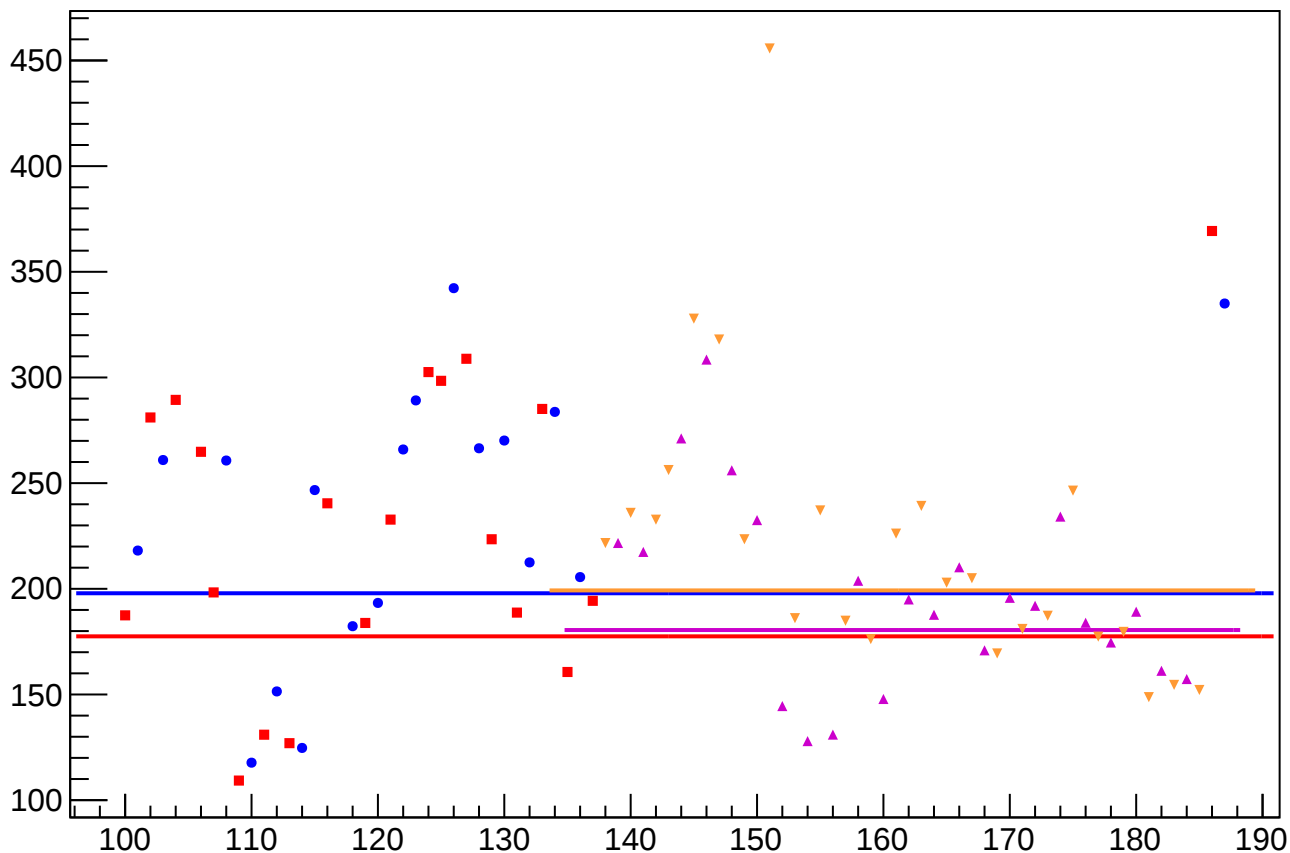
Left In: -32.159 $\pm$ 45.131 χ^2 /NDF: 6.9/22

+ sign 25.339 $\pm$ 41.272 χ^2 /NDF: 15.5/42

All: -3.545 $\pm$ 27.963 χ^2 /NDF: 30.8/85

- sign -28.054 $\pm$ 38.019 χ^2 /NDF: 14.3/42

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 197.895 $\pm$ 0.057 χ^2 /NDF: 1017208.5/17

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 177.510 $\pm$ 0.050 χ^2 /NDF: 1713744.2/19

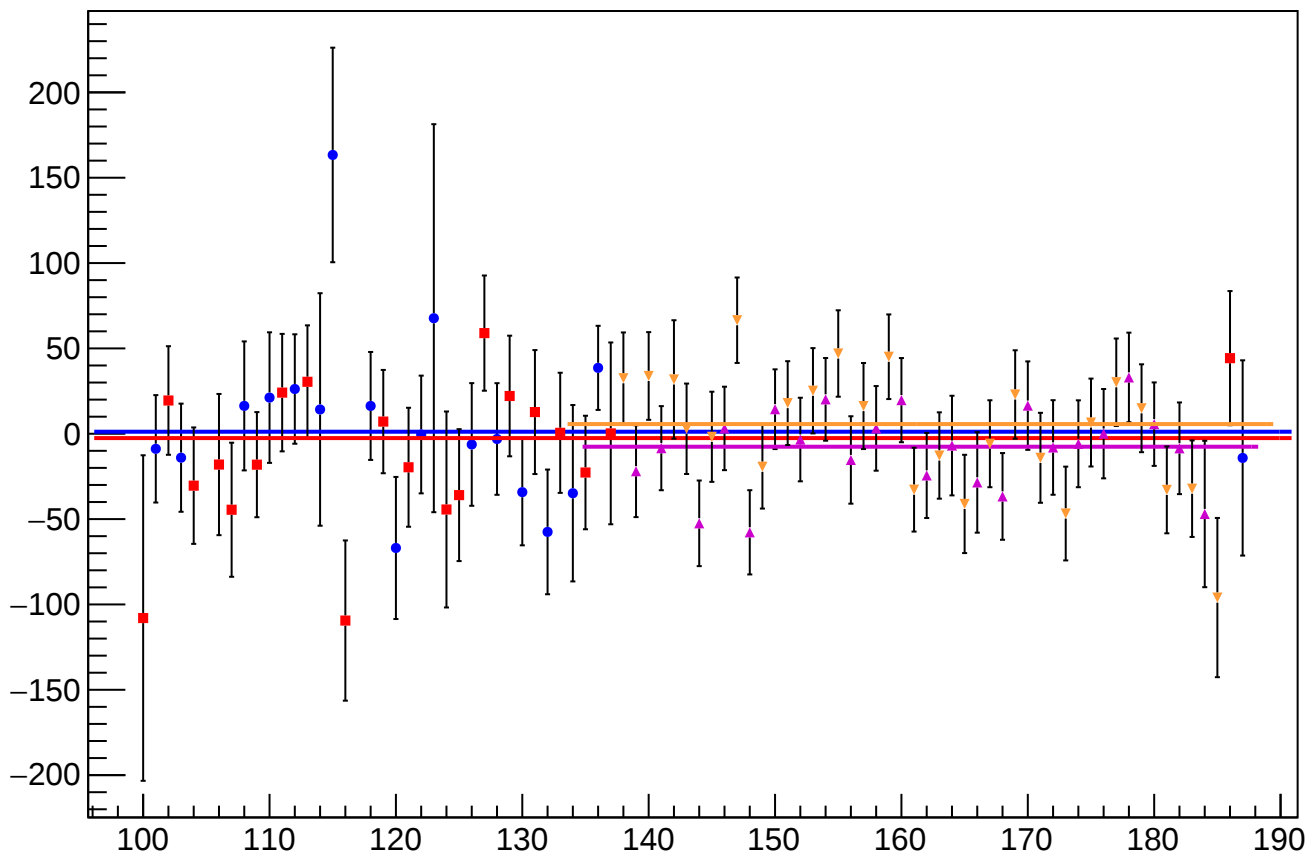
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 198.887 $\pm$ 0.029 χ^2 /NDF: 2781719.3/42

All: 188.468 $\pm$ 0.020 χ^2 /NDF: 6327373.7/85

- sign 179.627 $\pm$ 0.027 χ^2 /NDF: 3310066.6/42

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.190 ± 8.722 $\chi^2/\text{NDF}: 18.1/17$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -2.543 ± 8.306 $\chi^2/\text{NDF}: 18.1/19$

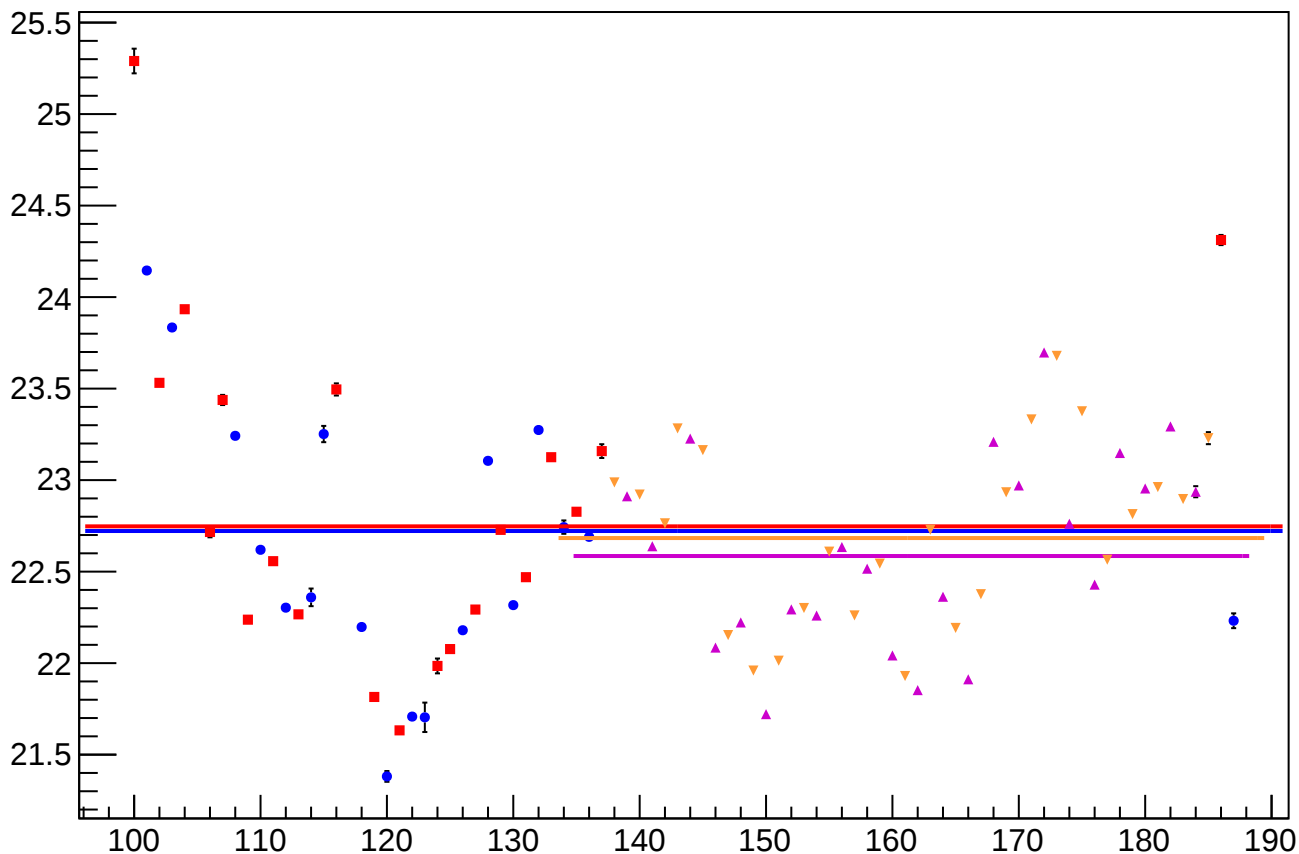
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 4.472 ± 4.516 $\chi^2/\text{NDF}: 54.7/42$

All: -0.795 ± 3.197 $\chi^2/\text{NDF}: 94.1/85$

- sign -6.092 ± 4.528 $\chi^2/\text{NDF}: 36.7/42$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 ± 0.006 $\chi^2/\text{NDF}: 13680.7/17$

Left Out: 22.683 ± 0.004 $\chi^2/\text{NDF}: 16318.1/24$

Right Out: 22.747 ± 0.006 $\chi^2/\text{NDF}: 16127.0/19$

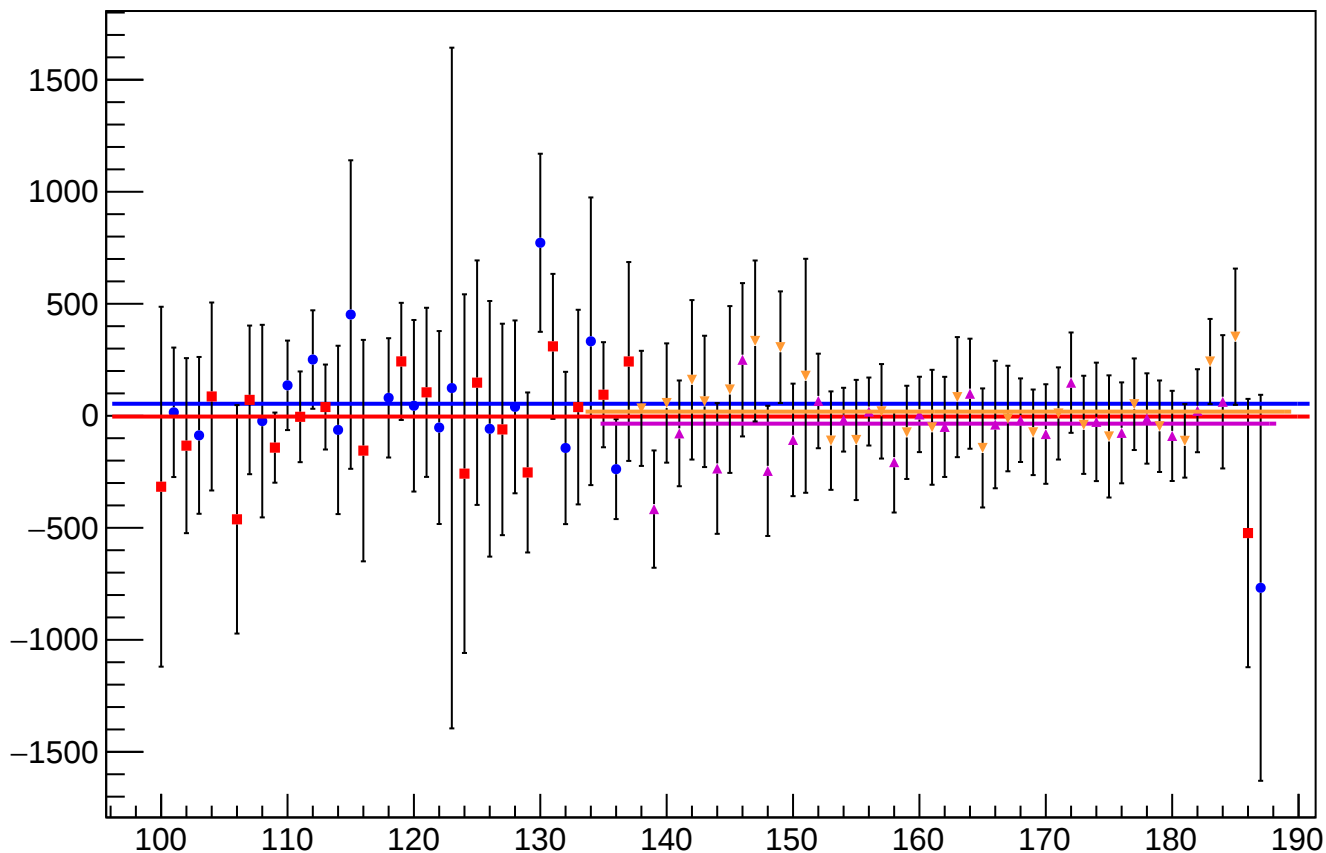
Left In: 22.585 ± 0.004 $\chi^2/\text{NDF}: 18087.5/22$

+ sign 22.694 ± 0.003 $\chi^2/\text{NDF}: 30027.2/42$

All: 22.664 ± 0.002 $\chi^2/\text{NDF}: 64954.9/85$

- sign 22.633 ± 0.003 $\chi^2/\text{NDF}: 34749.7/42$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 53.767 $\pm$ 80.083 χ^2 /NDF: 8.1/17

Left Out: 18.633 $\pm$ 48.006 χ^2 /NDF: 7.6/24

Right Out: -3.374 $\pm$ 70.076 χ^2 /NDF: 5.9/19

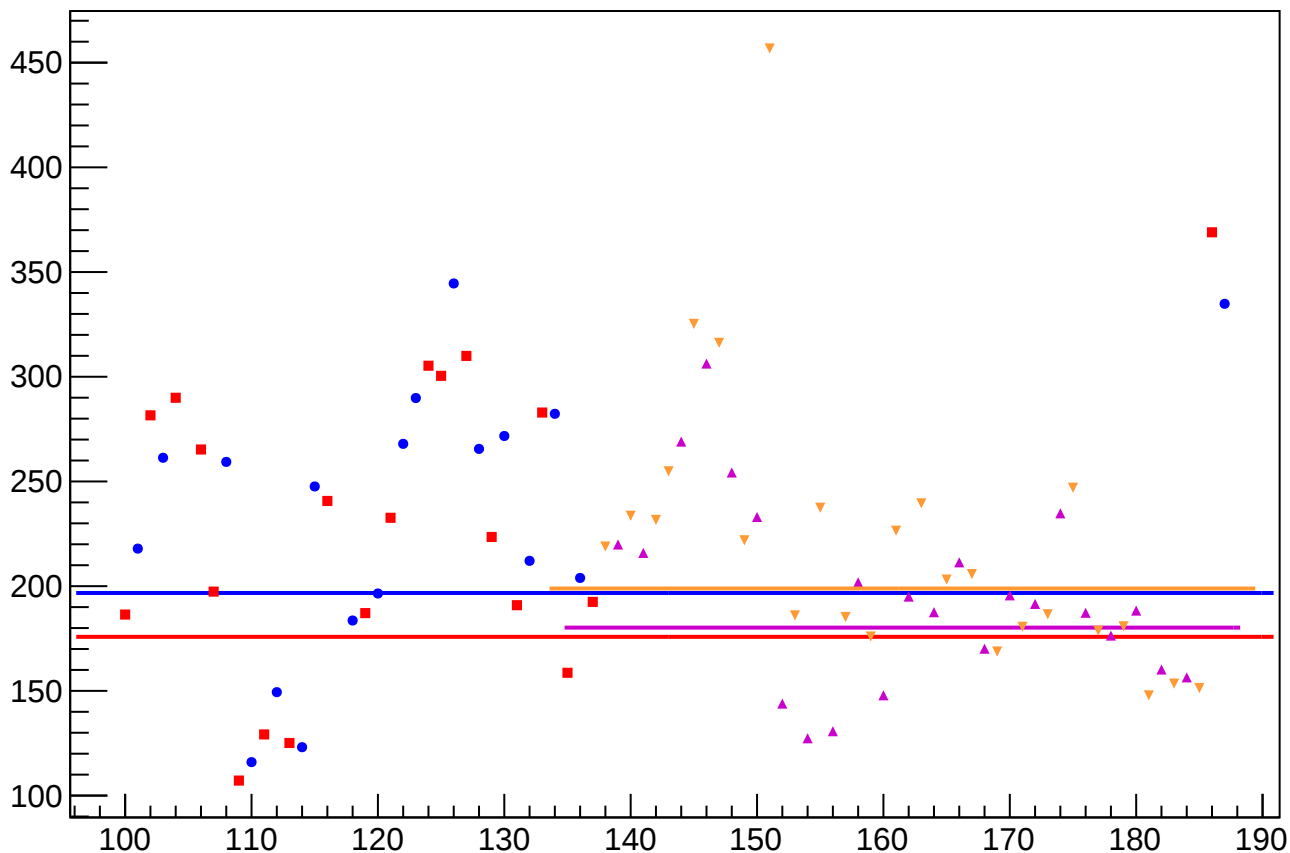
Left In: -35.046 $\pm$ 45.063 χ^2 /NDF: 6.3/22

+ sign 27.921 $\pm$ 41.175 χ^2 /NDF: 15.9/42

All: -1.148 $\pm$ 27.886 χ^2 /NDF: 29.2/85

- sign -25.781 $\pm$ 37.903 χ^2 /NDF: 12.4/42

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.747 $\pm$ 0.057 χ^2 /NDF: 1058045.3/17

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 175.806 $\pm$ 0.050 χ^2 /NDF: 1783879.2/19

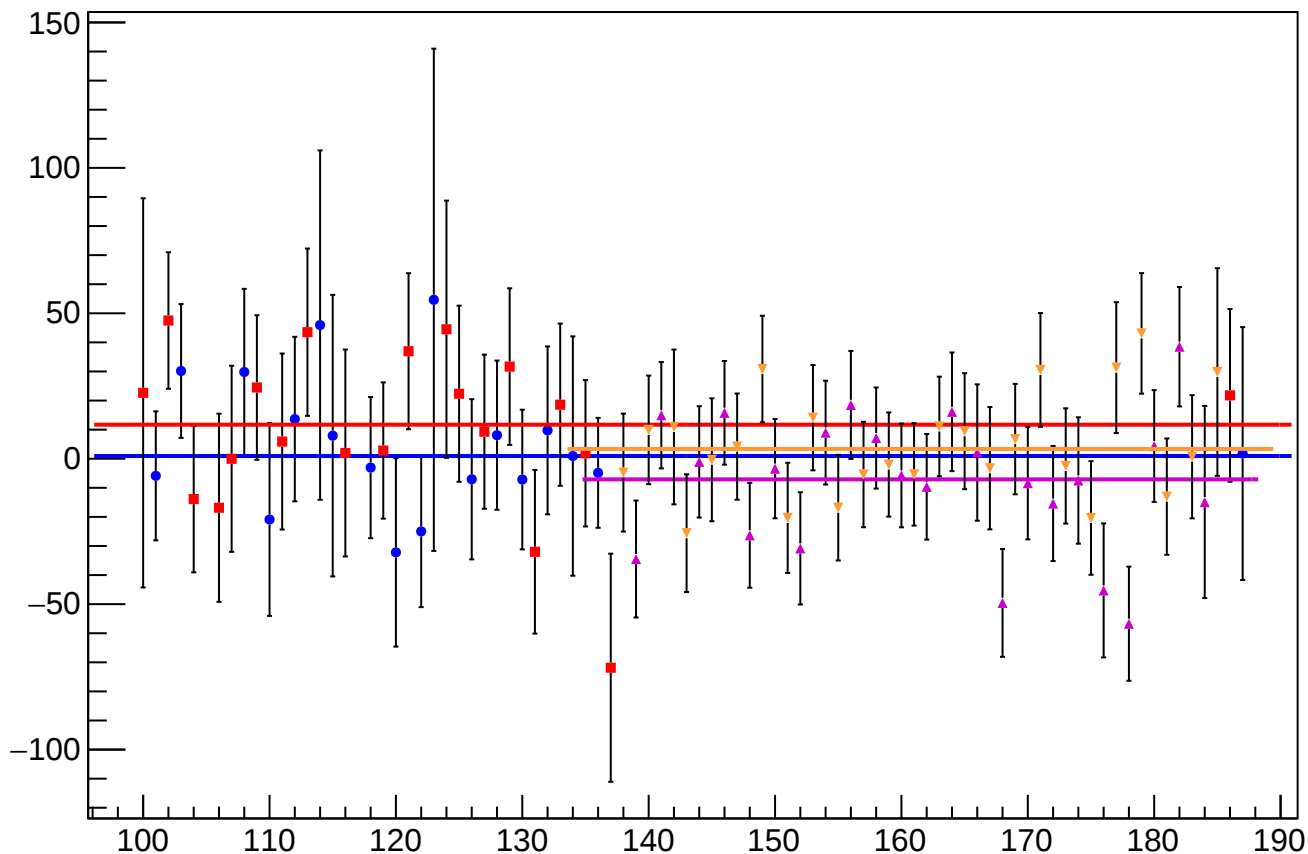
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 198.324 $\pm$ 0.029 χ^2 /NDF: 2821553.9/42

All: 187.820 $\pm$ 0.020 χ^2 /NDF: 6440460.2/85

- sign 178.920 $\pm$ 0.027 χ^2 /NDF: 3378464.8/42

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.930 ± 6.747 χ^2/NDF : 6.9/17

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 11.705 ± 6.483 χ^2/NDF : 15.4/19

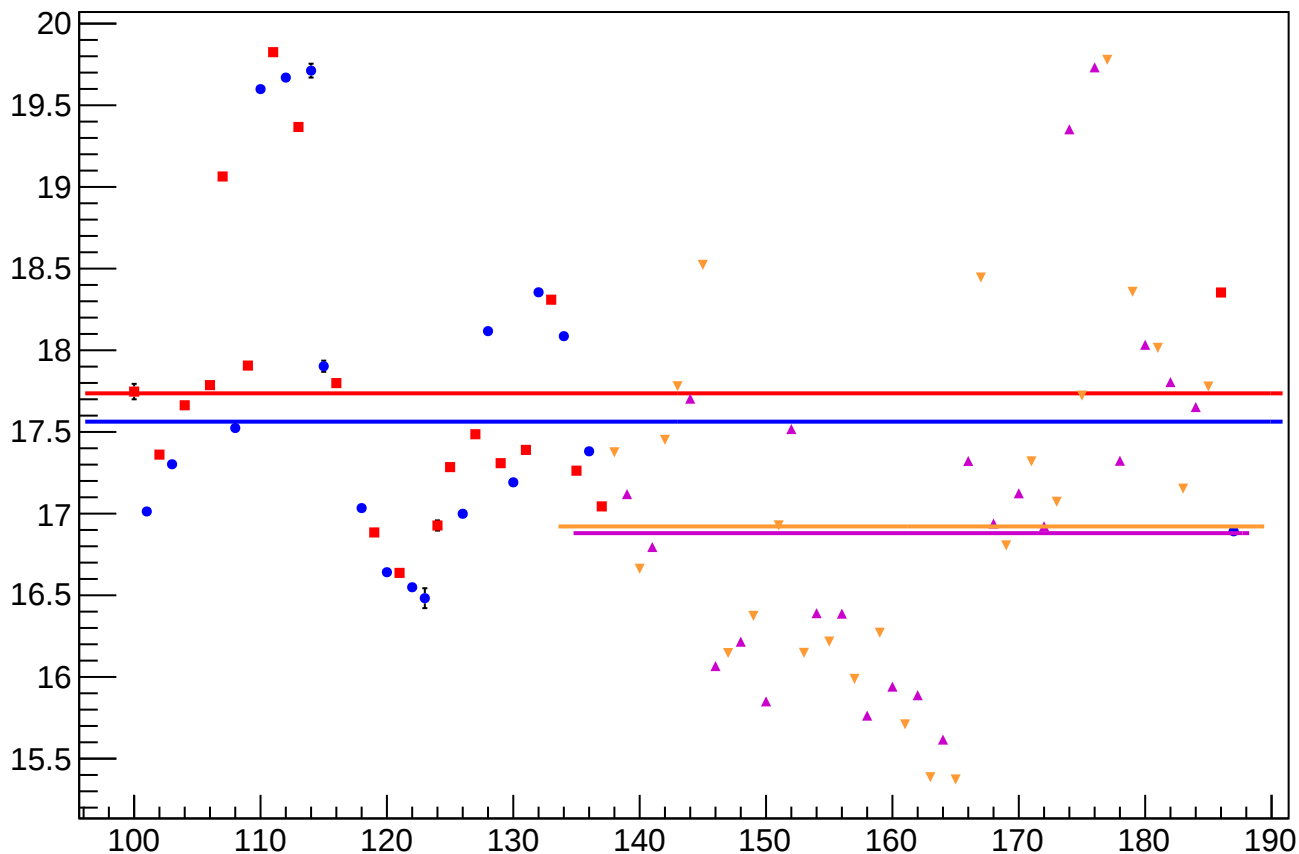
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 2.749 ± 3.407 χ^2/NDF : 25.8/42

All: 0.480 ± 2.418 χ^2/NDF : 80.7/85

- sign -1.826 ± 3.433 χ^2/NDF : 54.0/42

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.563 ± 0.005 $\chi^2/\text{NDF}: 33450.7/17$

Left Out: 16.921 ± 0.003 $\chi^2/\text{NDF}: 138990.4/24$

Right Out: 17.736 ± 0.005 $\chi^2/\text{NDF}: 31184.1/19$

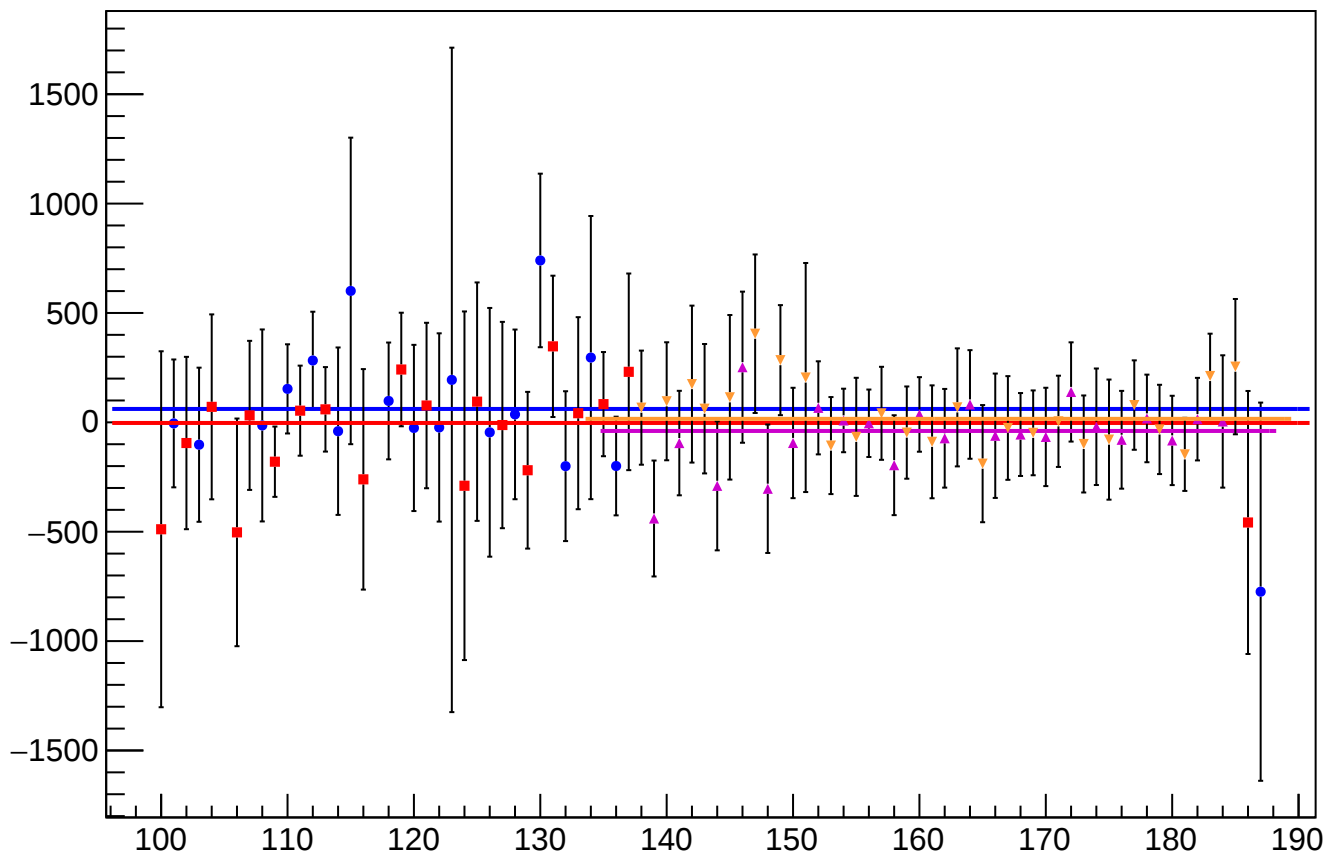
Left In: 16.880 ± 0.003 $\chi^2/\text{NDF}: 121736.1/22$

+ sign 17.085 ± 0.002 $\chi^2/\text{NDF}: 185915.5/42$

All: 17.103 ± 0.002 $\chi^2/\text{NDF}: 364024.5/85$

- sign 17.120 ± 0.002 $\chi^2/\text{NDF}: 178001.8/42$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 61.244 $\pm$ 80.899 χ^2 /NDF: 8.2/17

Left Out: 15.970 $\pm$ 48.503 χ^2 /NDF: 7.4/24

Right Out: -2.828 $\pm$ 71.050 χ^2 /NDF: 6.6/19

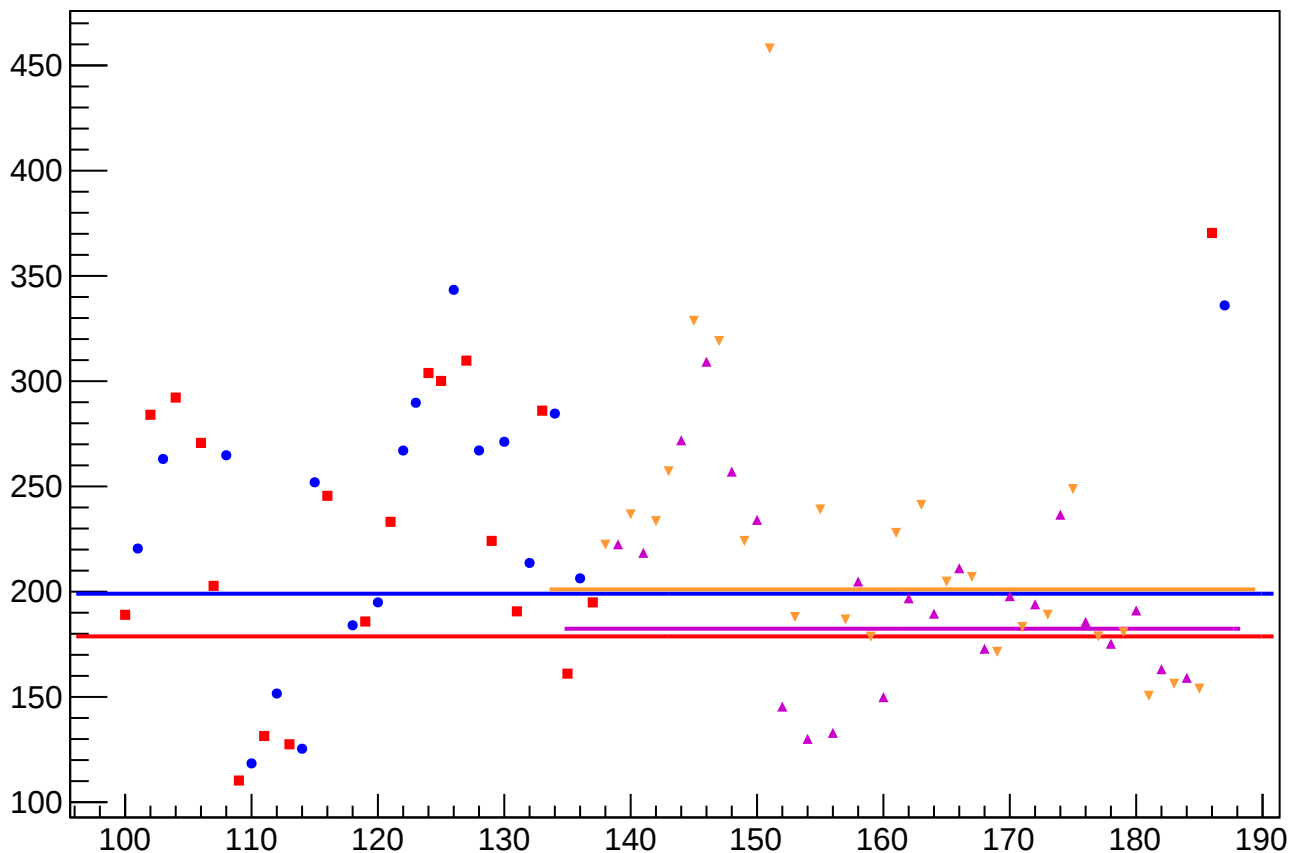
Left In: -39.377 $\pm$ 45.571 χ^2 /NDF: 6.9/22

+ sign 27.941 $\pm$ 41.599 χ^2 /NDF: 15.8/42

All: -2.684 $\pm$ 28.200 χ^2 /NDF: 30.5/85

- sign -28.724 $\pm$ 38.359 χ^2 /NDF: 13.7/42

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 199.042 $\pm$ 0.057 χ^2 /NDF: 1021730.2/17

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 178.752 $\pm$ 0.050 χ^2 /NDF: 1721078.5/19

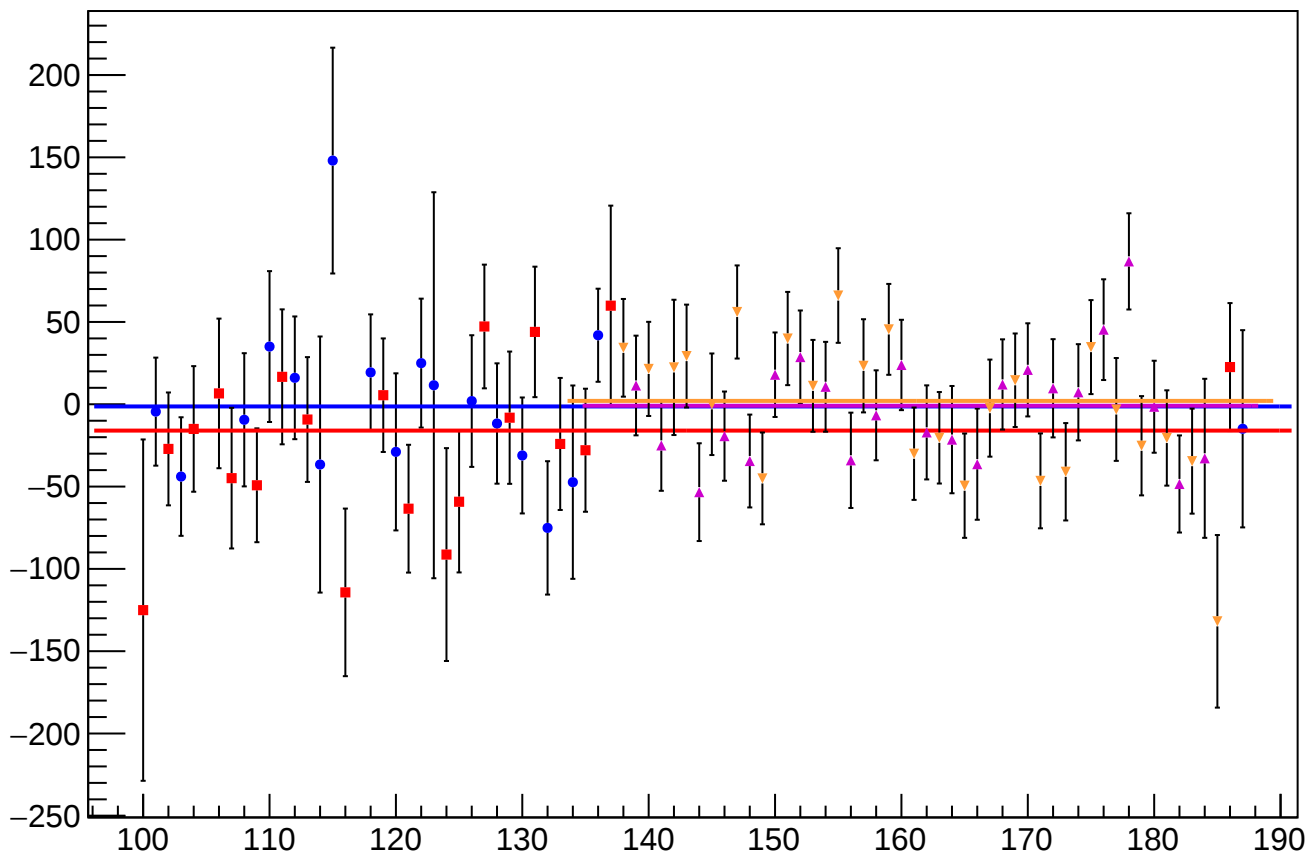
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 200.549 $\pm$ 0.029 χ^2 /NDF: 2753743.1/42

All: 190.164 $\pm$ 0.020 χ^2 /NDF: 6258093.3/85

- sign 181.334 $\pm$ 0.027 χ^2 /NDF: 3273714.7/42

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.324 ± 9.777 χ^2/NDF : 15.5/17

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -15.989 ± 9.246 χ^2/NDF : 19.3/19

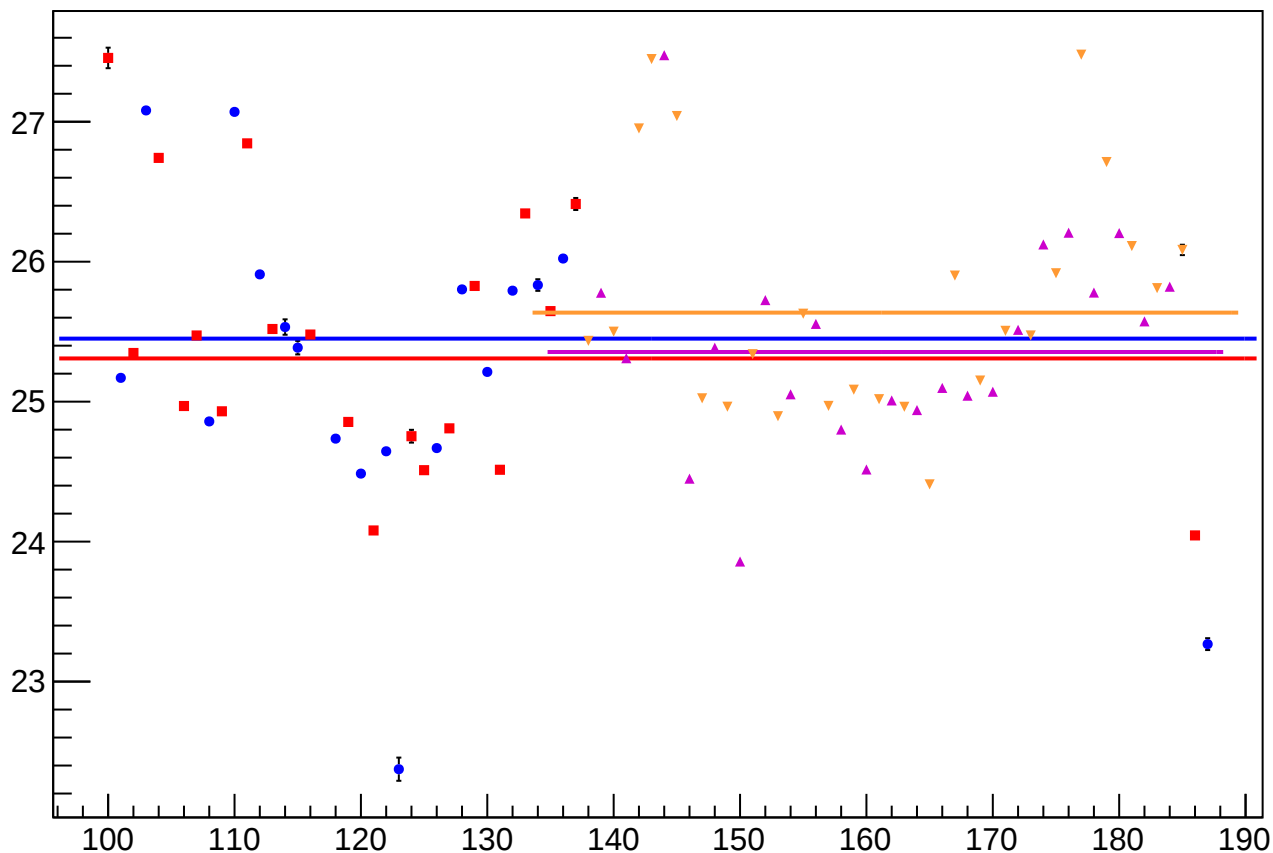
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 1.136 ± 5.095 χ^2/NDF : 55.0/42

All: -2.168 ± 3.595 χ^2/NDF : 104.1/85

- sign -5.444 ± 5.074 χ^2/NDF : 48.3/42

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.450 $\pm$ 0.007 χ^2 /NDF: 16085.2/17

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 25.309 $\pm$ 0.007 χ^2 /NDF: 15913.3/19

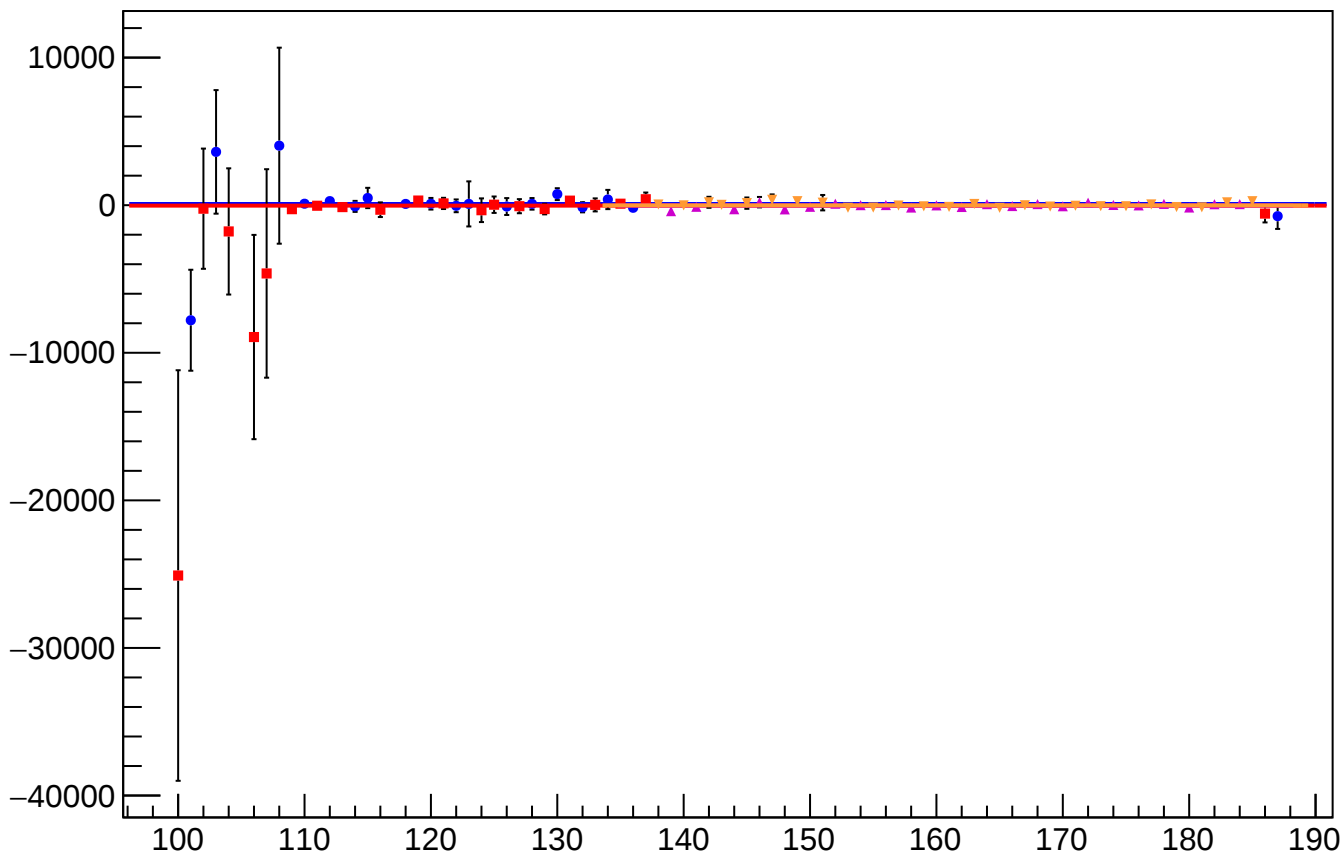
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.586 $\pm$ 0.004 χ^2 /NDF: 51741.9/42

All: 25.463 $\pm$ 0.003 χ^2 /NDF: 99773.6/85

- sign 25.341 $\pm$ 0.004 χ^2 /NDF: 45714.2/42

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 79.382 $\pm$ 88.269 χ^2 /NDF: 13.5/17

Left Out: -12.820 $\pm$ 48.216 χ^2 /NDF: 7.9/24

Right Out: -29.470 $\pm$ 80.239 χ^2 /NDF: 12.8/19

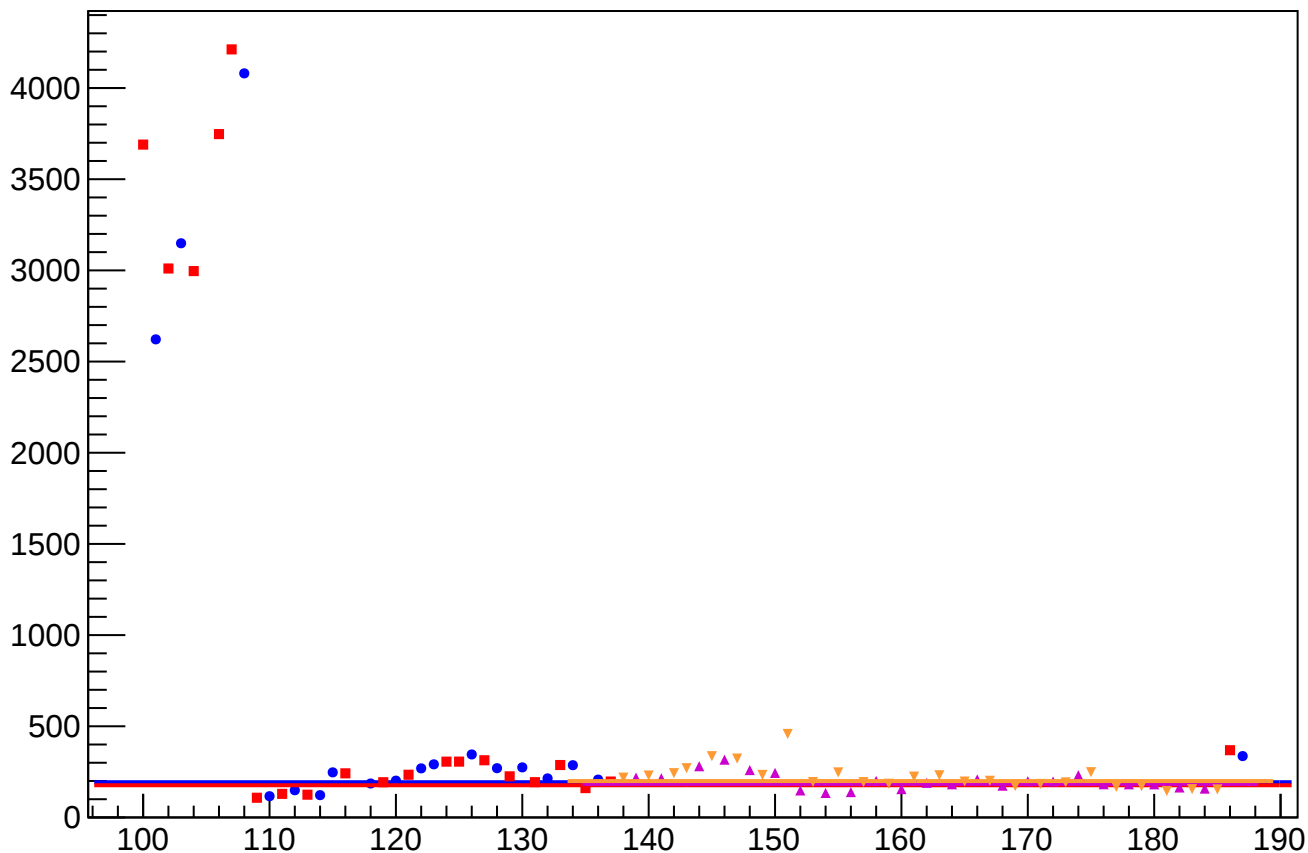
Left In: -26.836 $\pm$ 45.876 χ^2 /NDF: 7.5/22

+ sign 8.369 $\pm$ 42.315 χ^2 /NDF: 22.2/42

All: -10.644 $\pm$ 29.001 χ^2 /NDF: 42.9/85

- sign -27.485 $\pm$ 39.826 χ^2 /NDF: 20.3/42

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 193.217 $\pm$ 0.062 χ^2 /NDF: 3631257.0/17

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 176.612 $\pm$ 0.057 χ^2 /NDF: 4411616.6/19

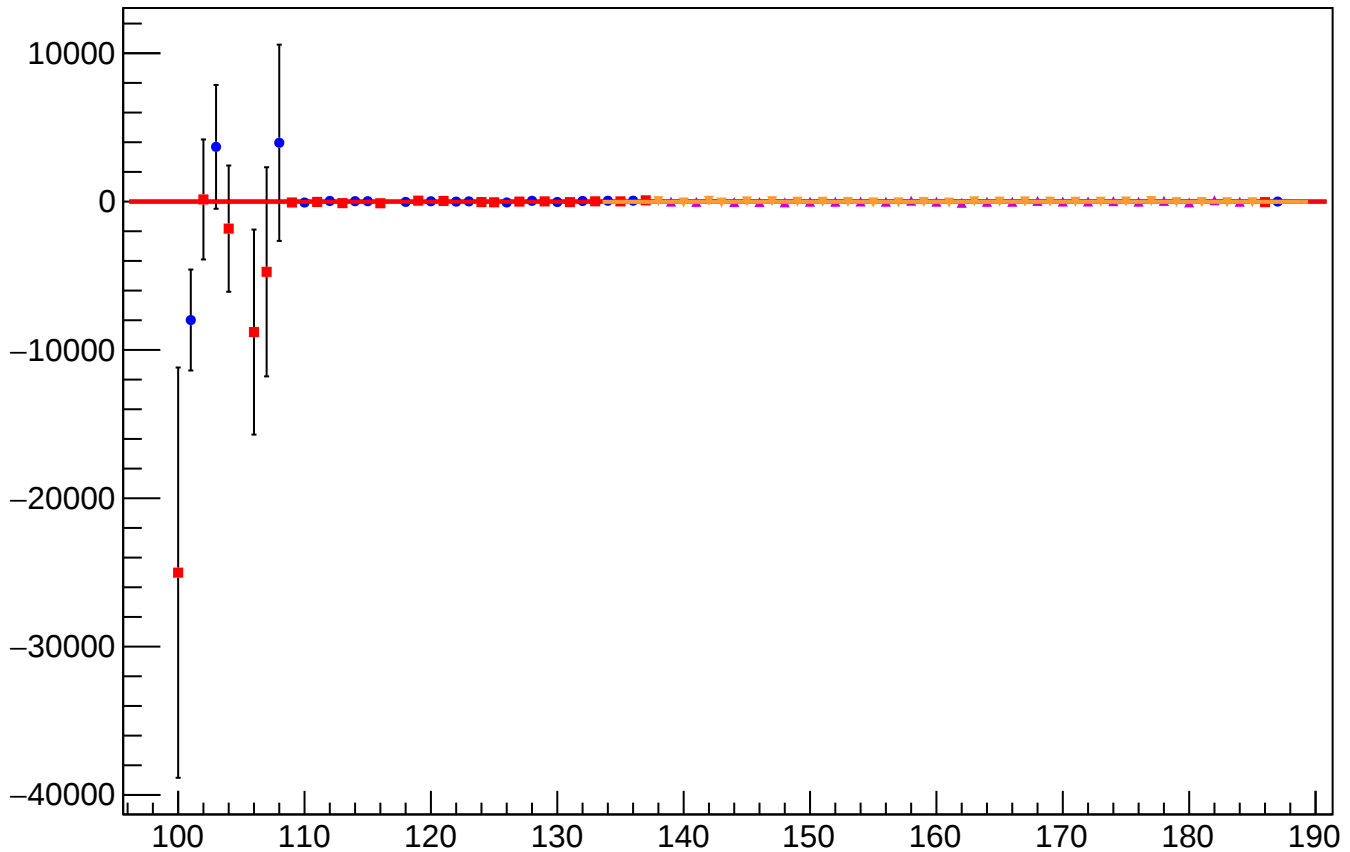
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 198.083 $\pm$ 0.030 χ^2 /NDF: 5519699.7/42

All: 189.663 $\pm$ 0.021 χ^2 /NDF: 11517018.2/85

- sign 182.204 $\pm$ 0.028 χ^2 /NDF: 5847959.4/42

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.489 ± 12.158 χ^2/NDF : 19.0/17

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -13.005 ± 11.943 χ^2/NDF : 24.5/19

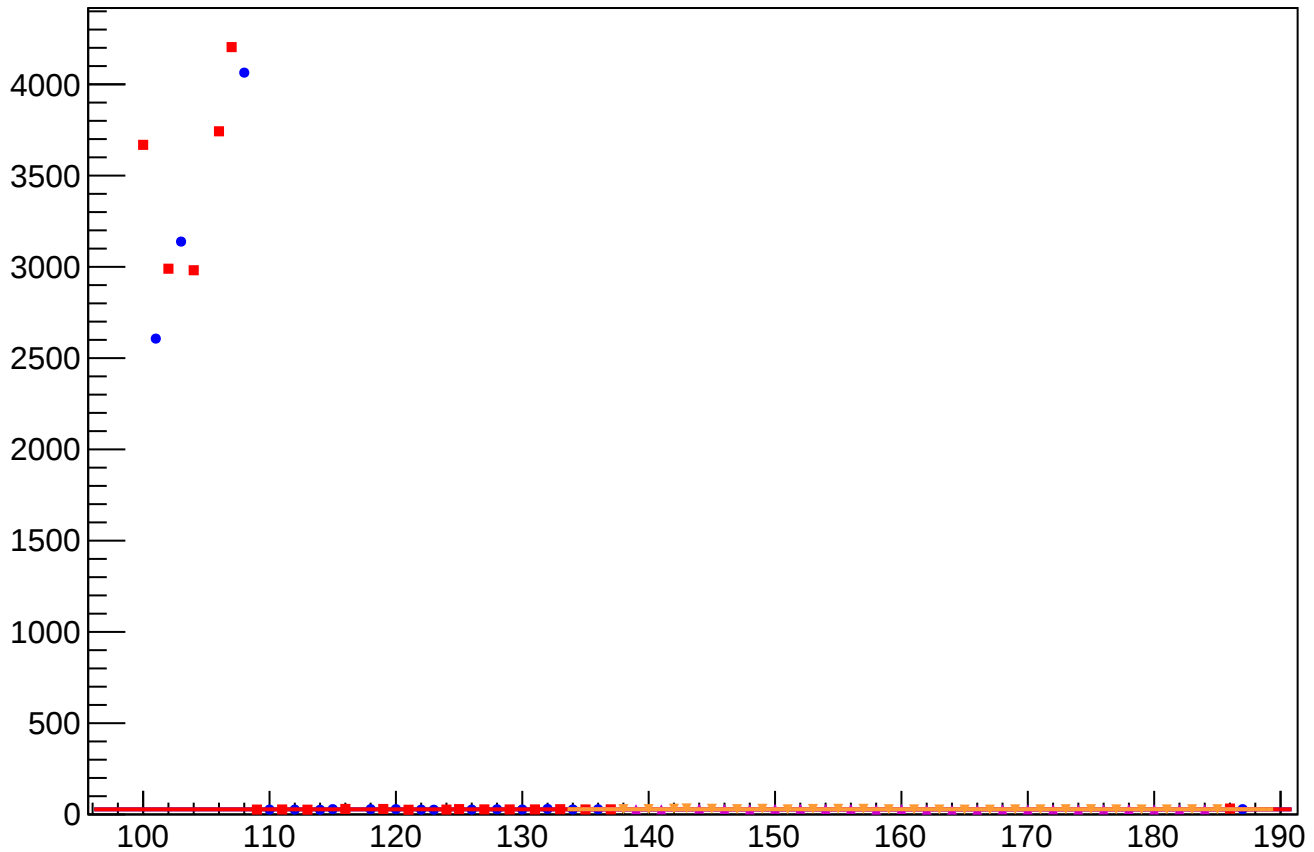
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -11.050 ± 5.864 χ^2/NDF : 45.4/42

All: -7.593 ± 4.180 χ^2/NDF : 103.8/85

- sign -4.020 ± 5.962 χ^2/NDF : 57.7/42

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.905 $\pm$ 0.009 χ^2 /NDF: 3028281.2/17

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.951 $\pm$ 0.008 χ^2 /NDF: 3491056.4/19

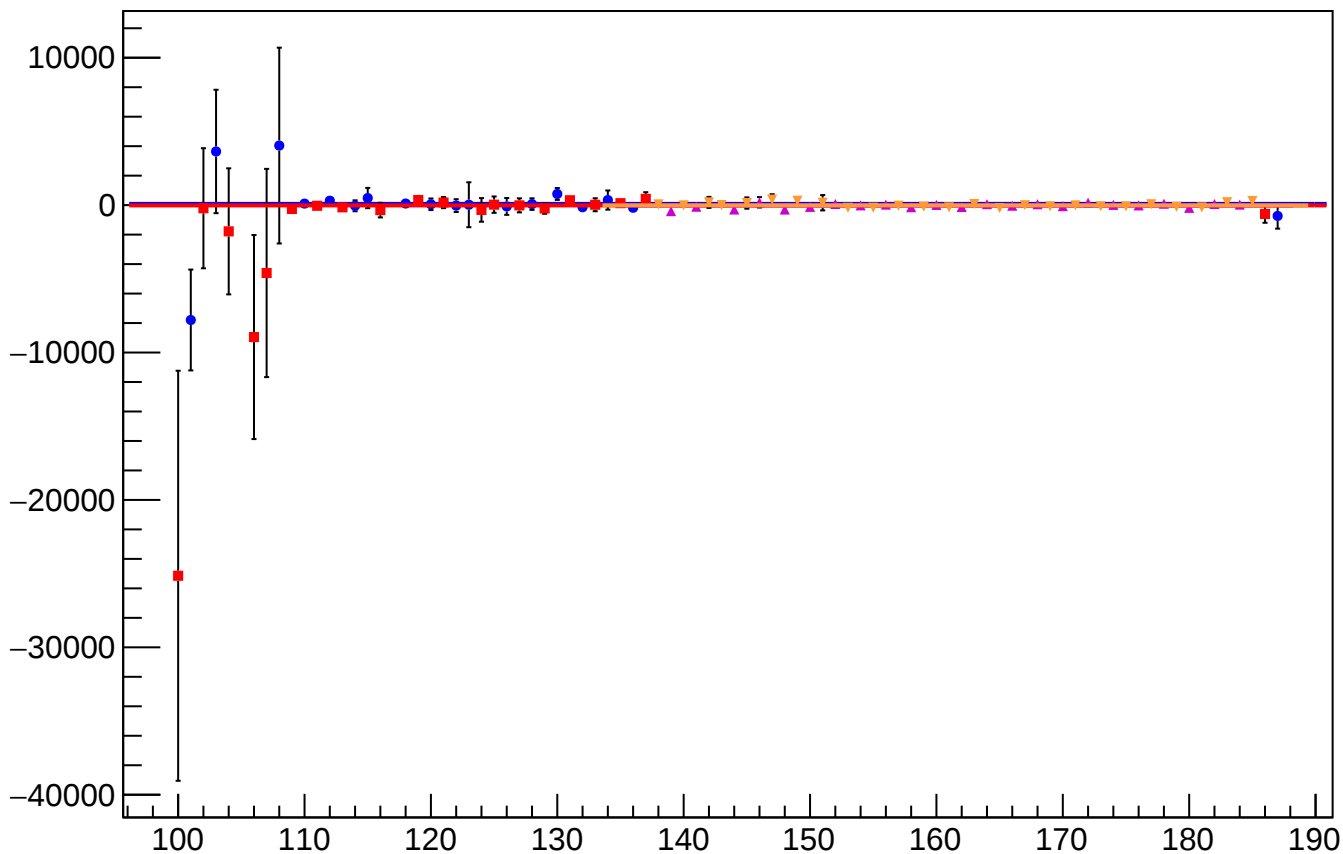
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.508 $\pm$ 0.004 χ^2 /NDF: 3145183.8/42

All: 28.500 $\pm$ 0.003 χ^2 /NDF: 6766486.5/85

- sign 28.493 $\pm$ 0.004 χ^2 /NDF: 3621296.2/42

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 85.026 $\pm$ 87.995 χ^2 /NDF: 13.7/17

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF: 8.7/24

Right Out: -20.154 $\pm$ 79.986 χ^2 /NDF: 13.7/19

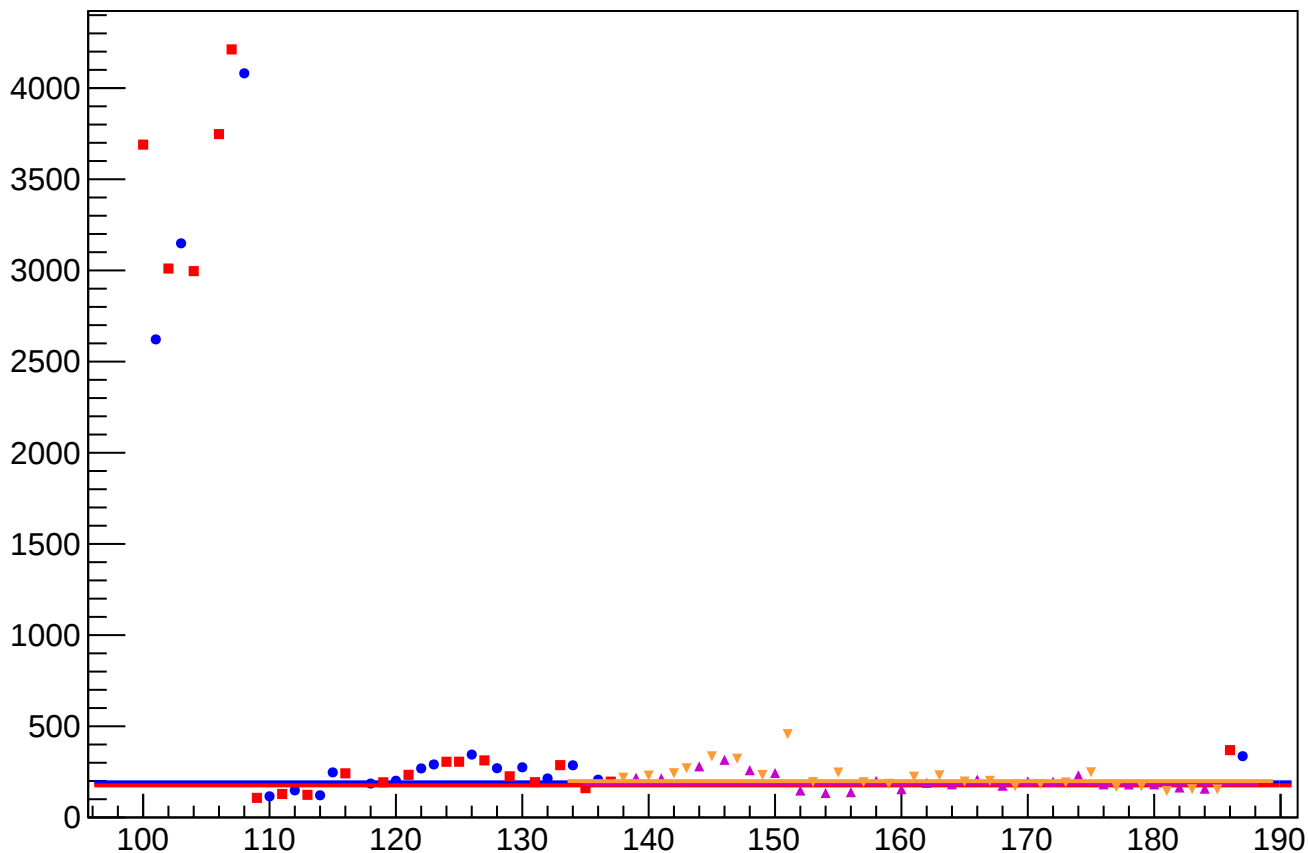
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF: 7.8/22

+ sign 7.646 $\pm$ 42.212 χ^2 /NDF: 23.3/42

All: -9.831 $\pm$ 28.933 χ^2 /NDF: 45.2/85

- sign -25.318 $\pm$ 39.735 χ^2 /NDF: 21.6/42

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 192.500+/-0.062 χ^2/NDF : 3643515.3/17

Left Out: 199.094+/-0.034 χ^2/NDF :1880343.4/24

Right Out: 175.934+/-0.057 χ^2/NDF : 4424659.7/19

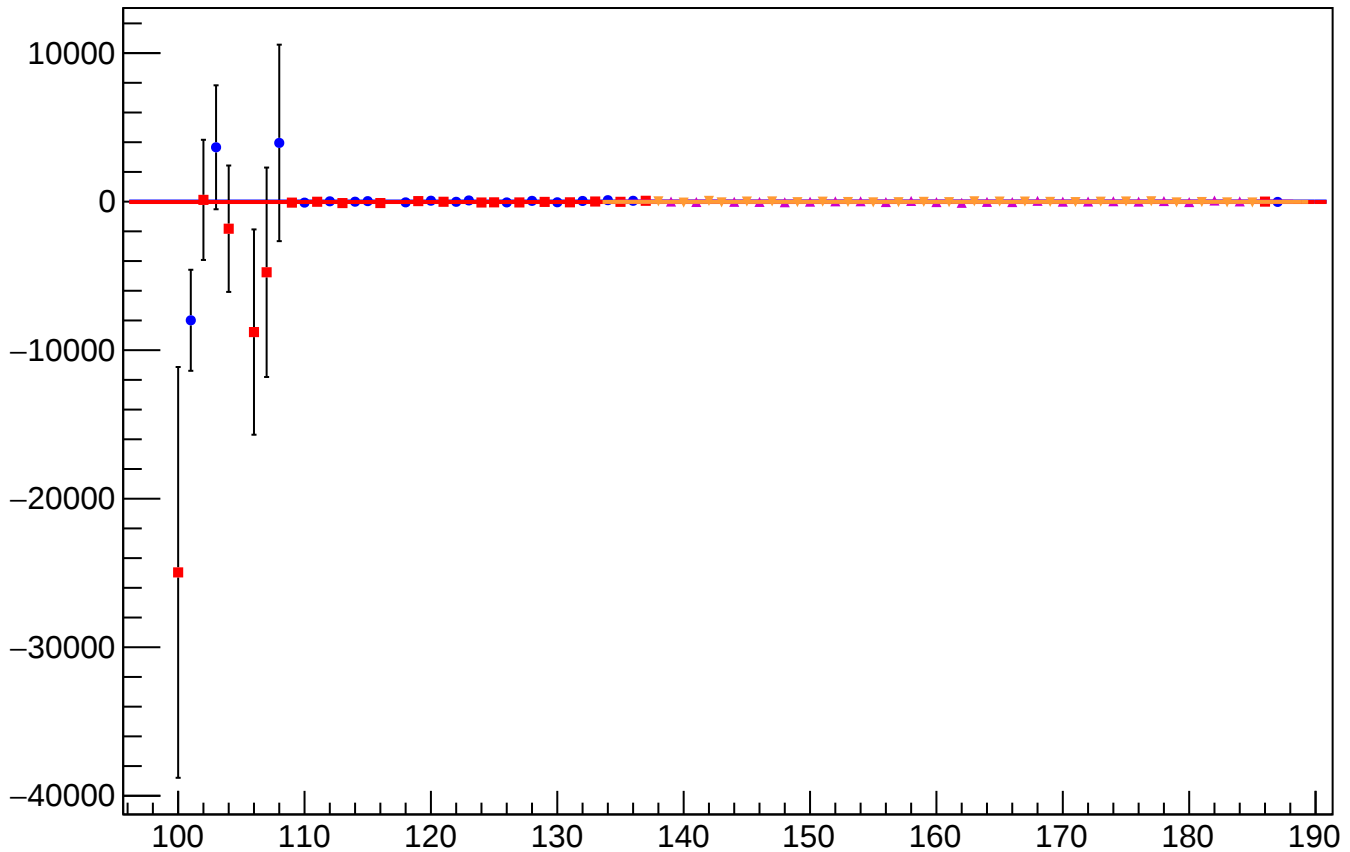
Left In: 183.667+/-0.032 χ^2/NDF :1422895.7/22

+ sign 197.576+/-0.030 χ^2/NDF : 5532504.9/42

All: 189.190+/-0.020 χ^2/NDF : 11543032.2/85

- sign 181.759+/-0.028 χ^2/NDF : 5861634.9/42

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 7.250 ± 12.237 χ^2/NDF : 23.0/17

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -26.520 ± 12.016 χ^2/NDF : 16.8/19

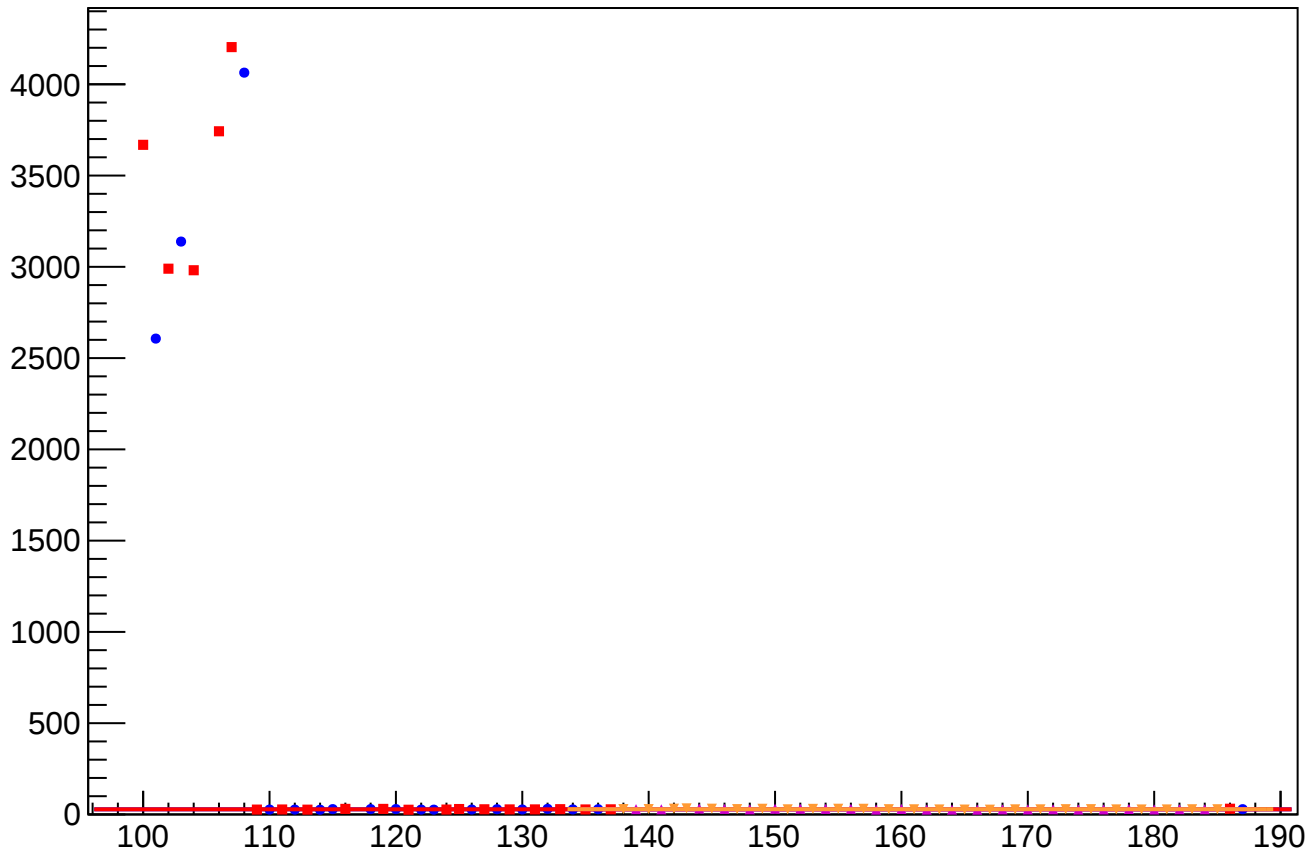
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -9.845 ± 5.893 χ^2/NDF : 43.0/42

All: -7.984 ± 4.201 χ^2/NDF : 90.2/85

- sign -6.061 ± 5.990 χ^2/NDF : 47.0/42

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.082 $\pm$ 0.009 χ^2 /NDF: 3028545.9/17

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 28.126 $\pm$ 0.008 χ^2 /NDF: 3488271.9/19

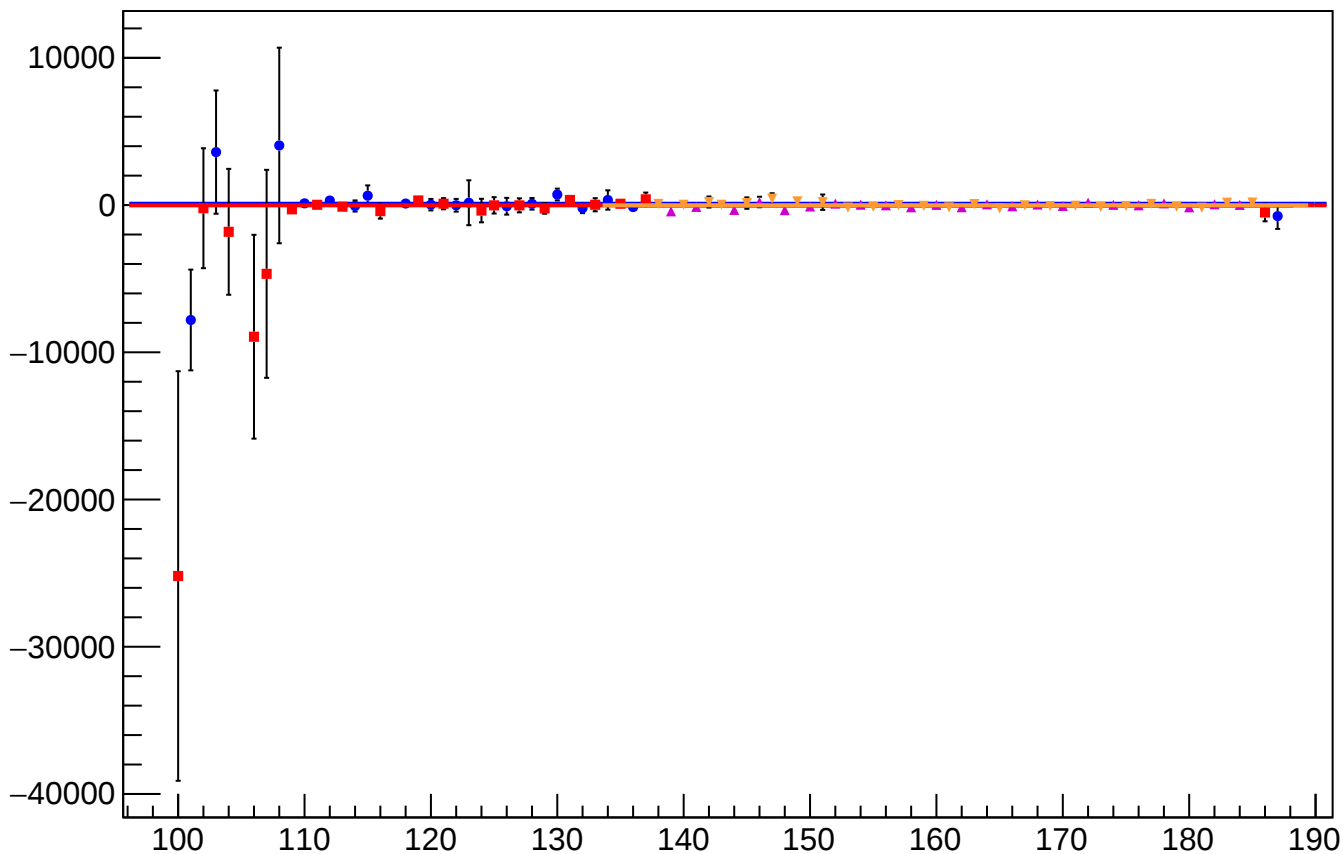
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.643 $\pm$ 0.004 χ^2 /NDF: 3156004.6/42

All: 28.635 $\pm$ 0.003 χ^2 /NDF: 6778305.3/85

- sign 28.627 $\pm$ 0.004 χ^2 /NDF: 3622293.0/42

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 90.782 $\pm$ 89.041 χ^2 /NDF: 13.5/17

Left Out: -15.548 $\pm$ 48.688 χ^2 /NDF: 8.0/24

Right Out: -17.448 $\pm$ 81.048 χ^2 /NDF: 13.0/19

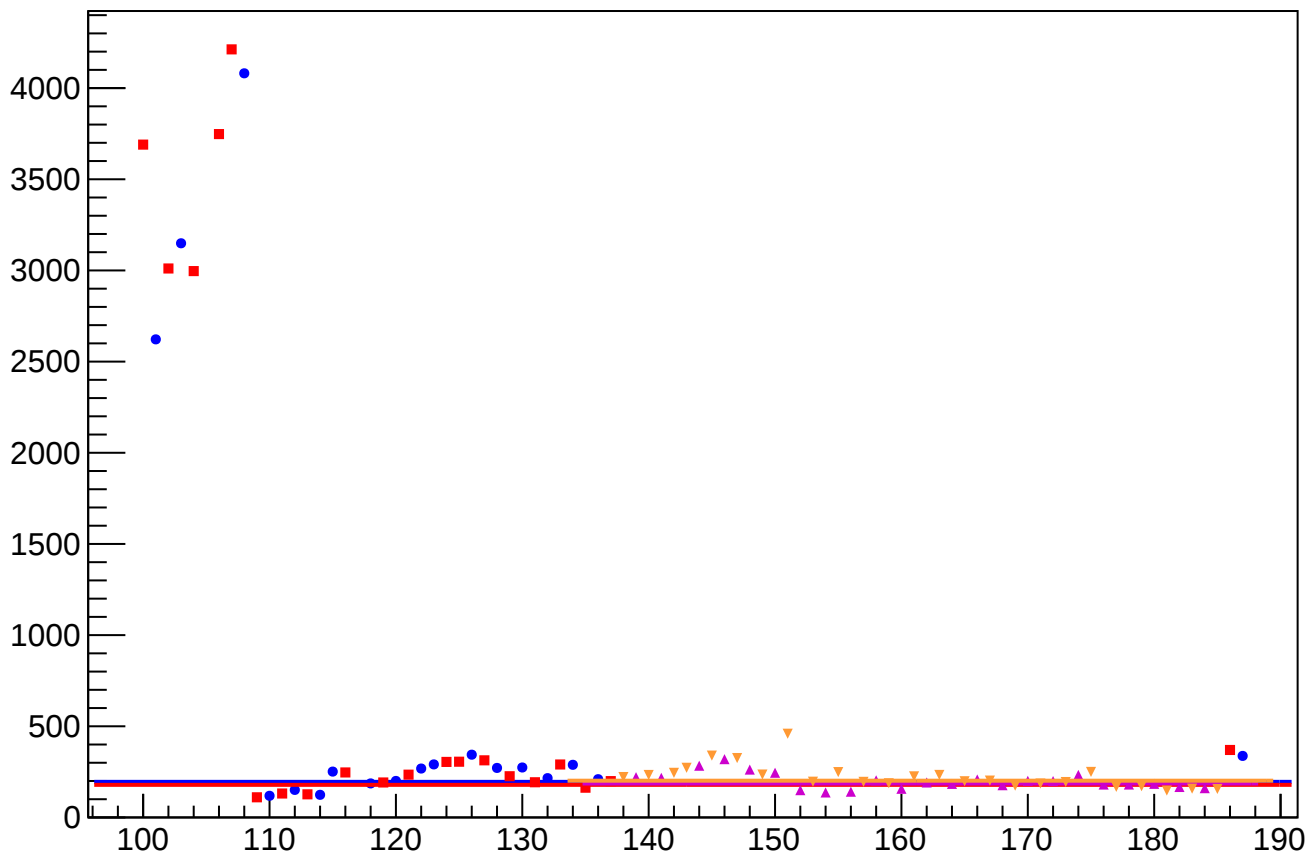
Left In: -31.170 $\pm$ 46.359 χ^2 /NDF: 8.2/22

+ sign 8.926 $\pm$ 42.719 χ^2 /NDF: 22.6/42

All: -10.526 $\pm$ 29.292 χ^2 /NDF: 44.2/85

- sign -27.787 $\pm$ 40.241 χ^2 /NDF: 21.2/42

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 195.259 $\pm$ 0.063 χ^2 /NDF: 3594235.5/17

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 178.850 $\pm$ 0.057 χ^2 /NDF: 4366792.7/19

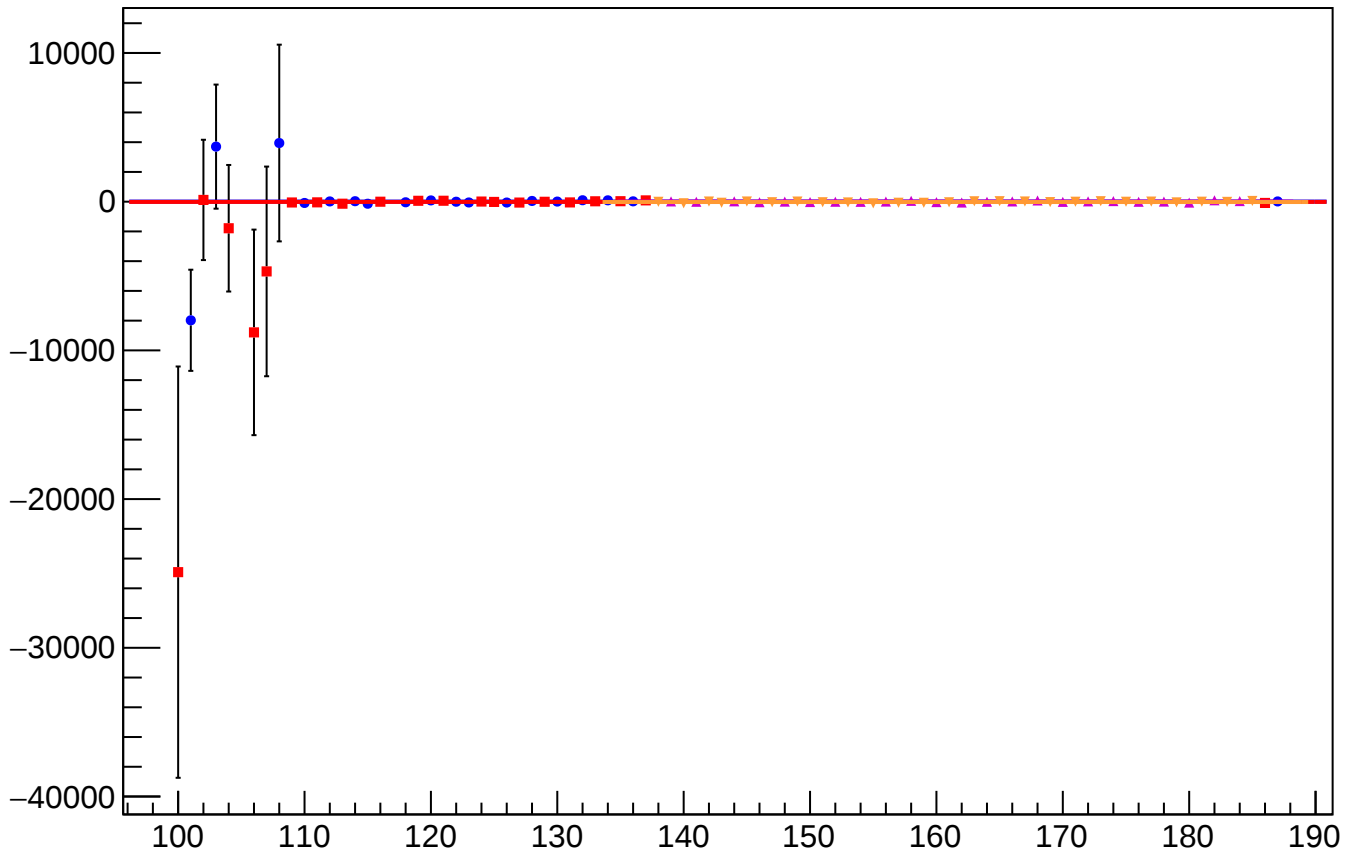
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 200.141 $\pm$ 0.030 χ^2 /NDF: 5459496.0/42

All: 191.757 $\pm$ 0.021 χ^2 /NDF: 11375076.4/85

- sign 184.318 $\pm$ 0.028 χ^2 /NDF: 5770202.2/42

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 7.237 $\pm$ 14.888 χ^2 /NDF: 20.2/17

Left Out: -23.360 $\pm$ 8.064 χ^2 /NDF:25.8/24

Right Out: -15.565 $\pm$ 14.553 χ^2 /NDF: 22.9/19

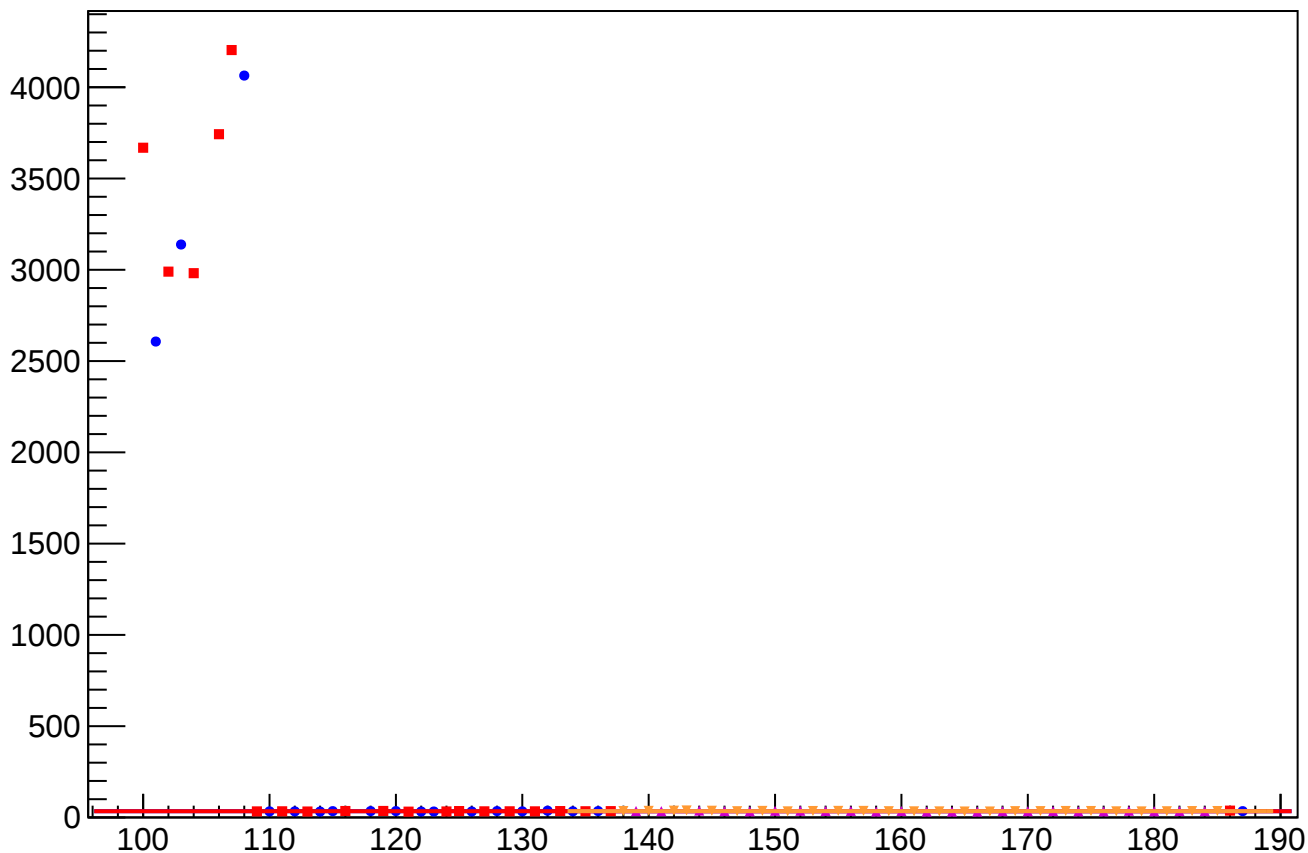
Left In: 6.001 $\pm$ 8.309 χ^2 /NDF:21.1/22

+ sign -16.419 $\pm$ 7.091 χ^2 /NDF: 49.3/42

All: -8.009 $\pm$ 5.057 χ^2 /NDF: 97.8/85

- sign 0.699 $\pm$ 7.215 χ^2 /NDF: 45.6/42

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.206 $\pm$ 0.011 χ^2 /NDF: 3006478.2/17

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 34.131 $\pm$ 0.010 χ^2 /NDF: 3458014.1/19

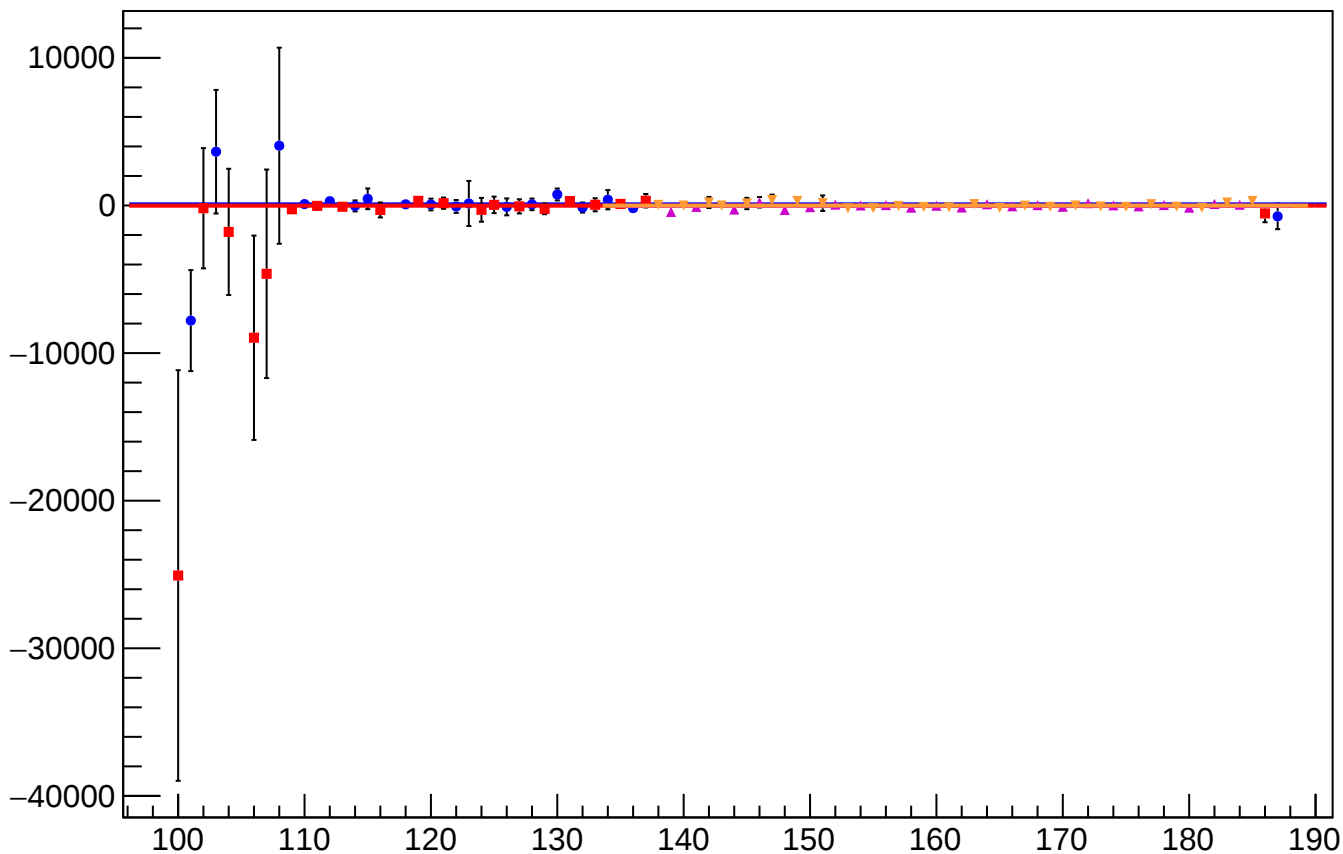
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.522 $\pm$ 0.005 χ^2 /NDF: 3065587.4/42

All: 34.535 $\pm$ 0.004 χ^2 /NDF: 6586118.2/85

- sign 34.549 $\pm$ 0.005 χ^2 /NDF: 3520516.4/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 78.432 $\pm$ 88.594 χ^2 /NDF: 13.4/17

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: -14.697 $\pm$ 80.544 χ^2 /NDF: 11.9/19

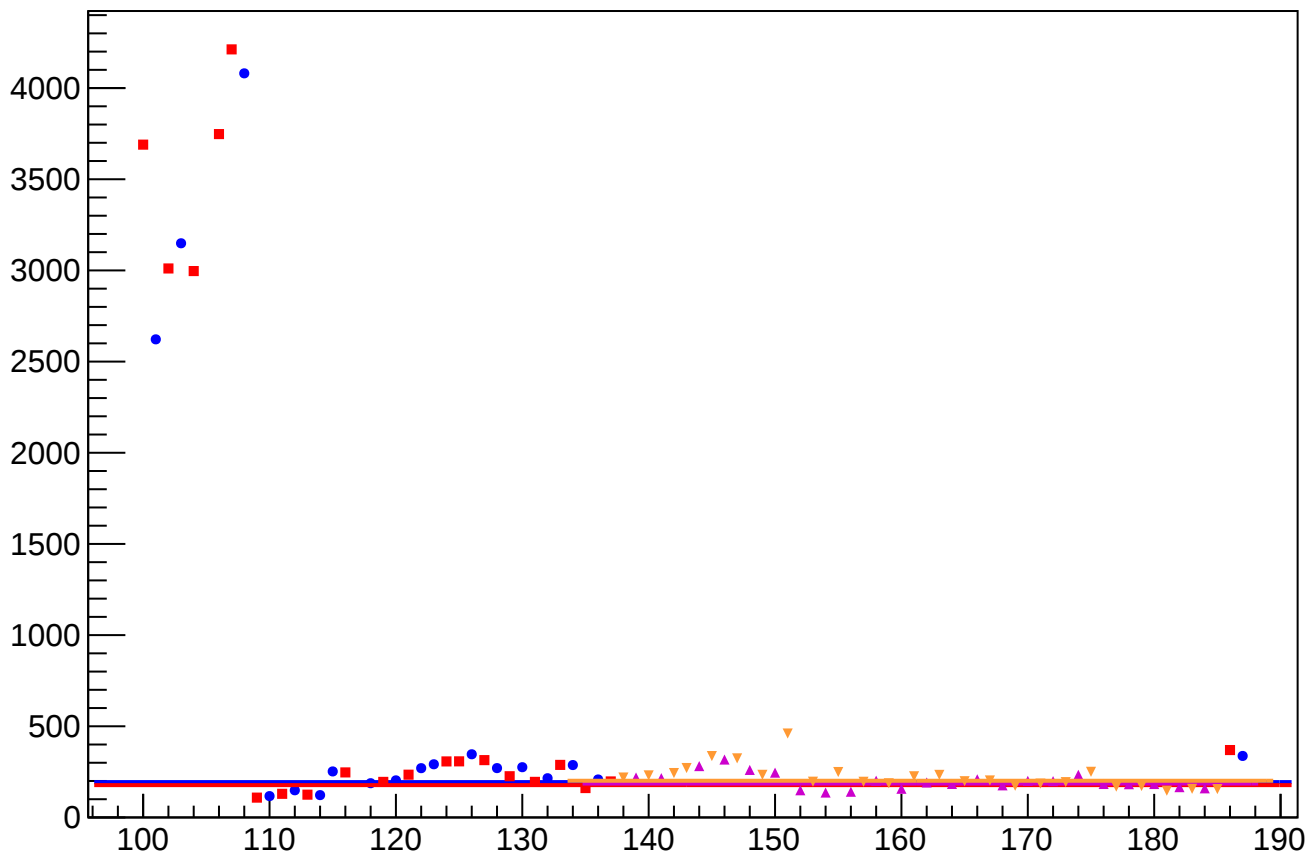
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign 11.299 $\pm$ 42.620 χ^2 /NDF: 22.8/42

All: -10.218 $\pm$ 29.220 χ^2 /NDF: 42.6/85

- sign -29.302 $\pm$ 40.138 χ^2 /NDF: 19.4/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 193.926 $\pm$ 0.063 χ^2 /NDF: 3633025.9/17

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 177.292 $\pm$ 0.057 χ^2 /NDF: 4415318.7/19

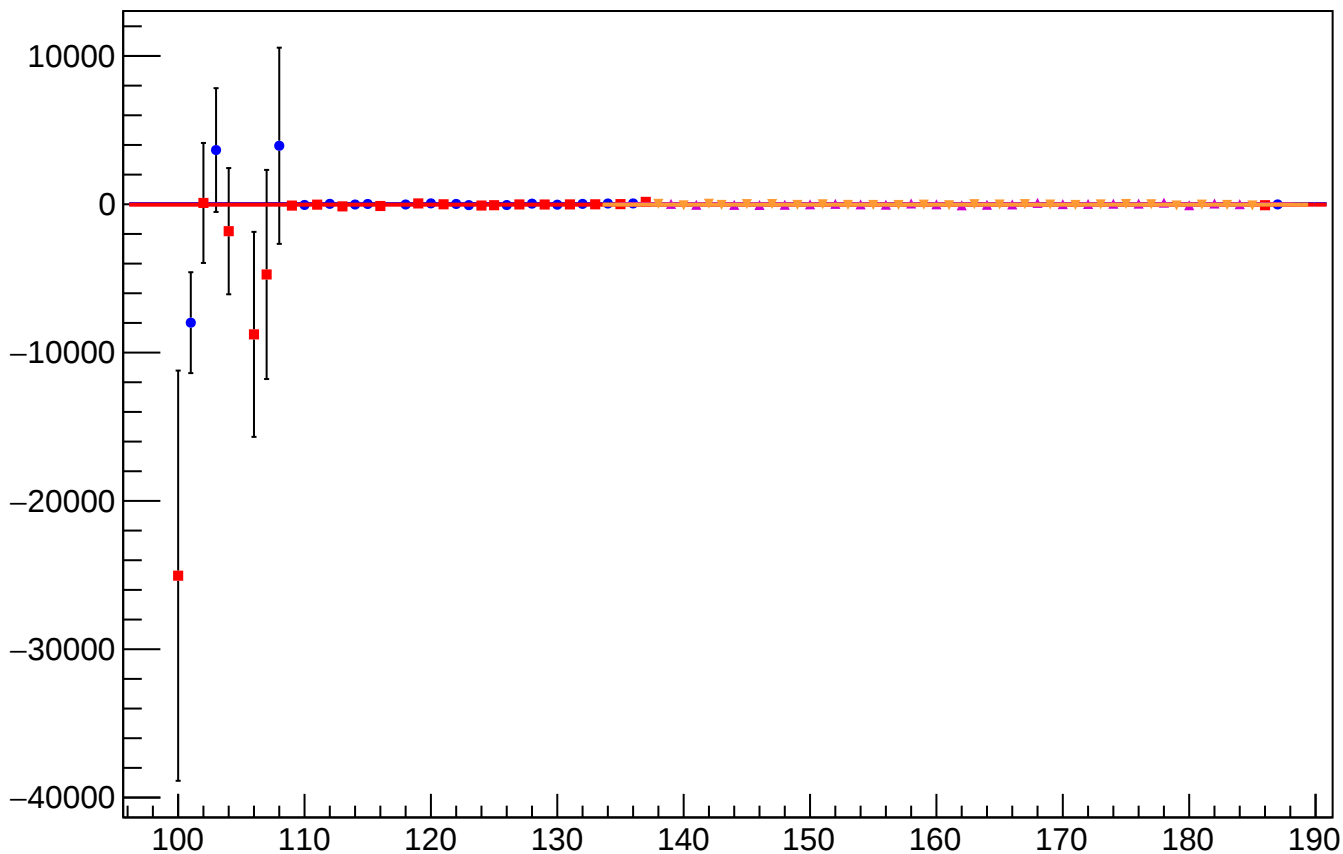
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 199.591 $\pm$ 0.030 χ^2 /NDF: 5494798.3/42

All: 191.184 $\pm$ 0.021 χ^2 /NDF: 11455710.6/85

- sign 183.728 $\pm$ 0.028 χ^2 /NDF: 5814078.3/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 11.701+/-13.575 χ^2/NDF : 14.6/17

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -24.427+/-13.308 χ^2/NDF : 28.4/19

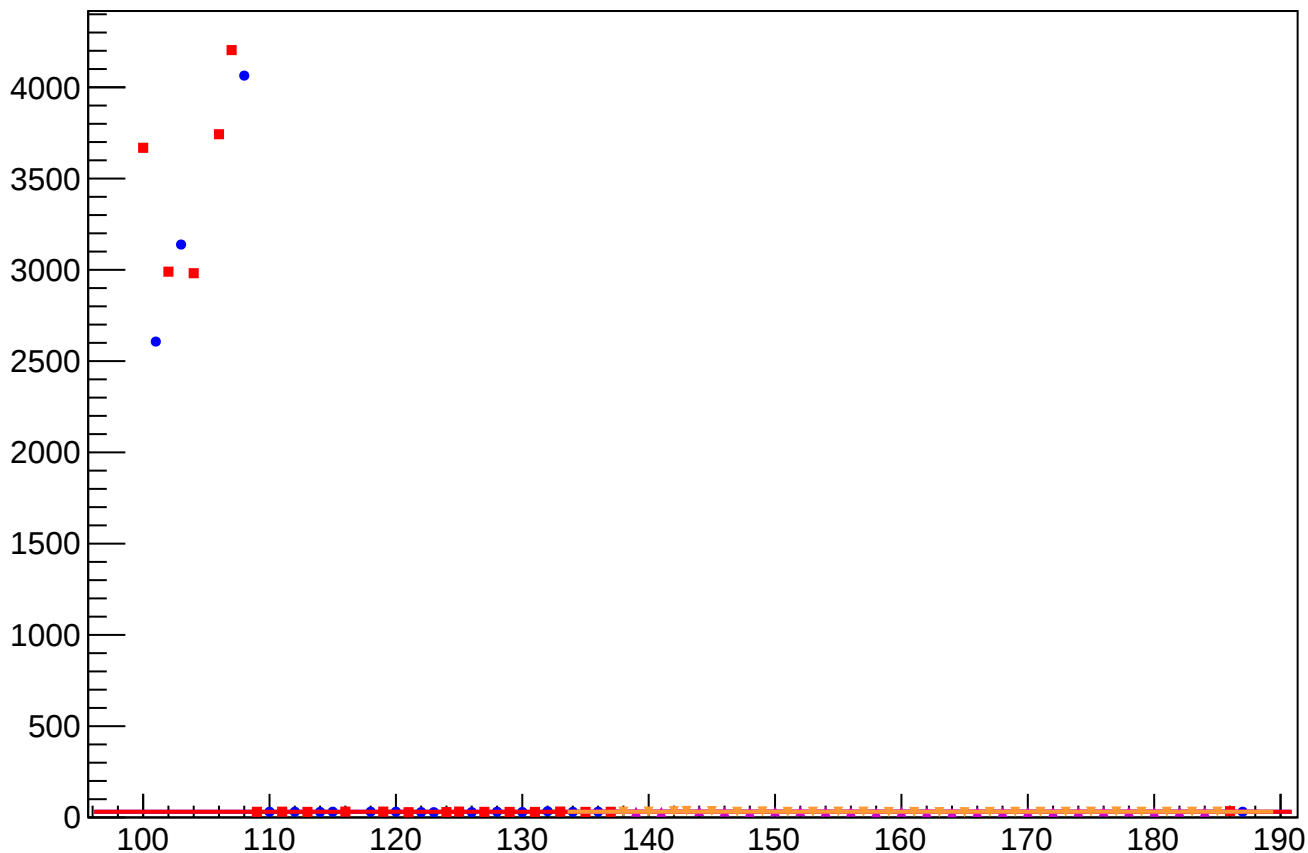
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -15.056+/-6.457 χ^2/NDF : 38.4/42

All: -8.368+/-4.604 χ^2/NDF : 111.2/85

- sign -1.452+/-6.567 χ^2/NDF : 70.7/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.189 $\pm$ 0.010 χ^2 /NDF: 3014256.7/17

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 31.187 $\pm$ 0.009 χ^2 /NDF: 3466620.4/19

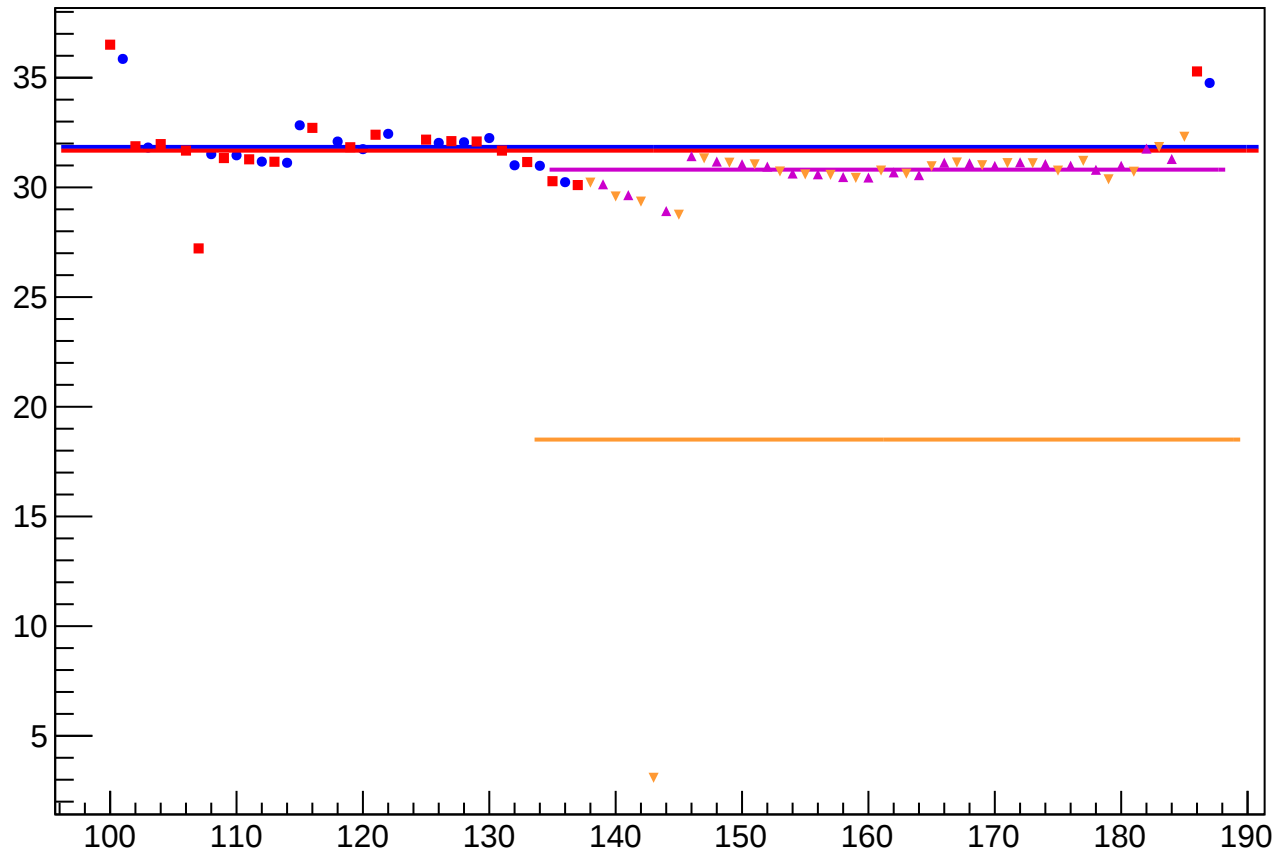
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.416 $\pm$ 0.005 χ^2 /NDF: 3097413.1/42

All: 31.414 $\pm$ 0.003 χ^2 /NDF: 6652769.7/85

- sign 31.412 $\pm$ 0.005 χ^2 /NDF: 3555356.3/42

yield_usl_mean vs Slug



Right In: 31.846+/-0.000 χ^2 /NDF: 1619850218.9/16

Left Out: 18.505+/-0.000 χ^2 /NDF: 940607632746.3/24

Right Out: 31.675+/-0.000 χ^2 /NDF: 1041343497.4/18

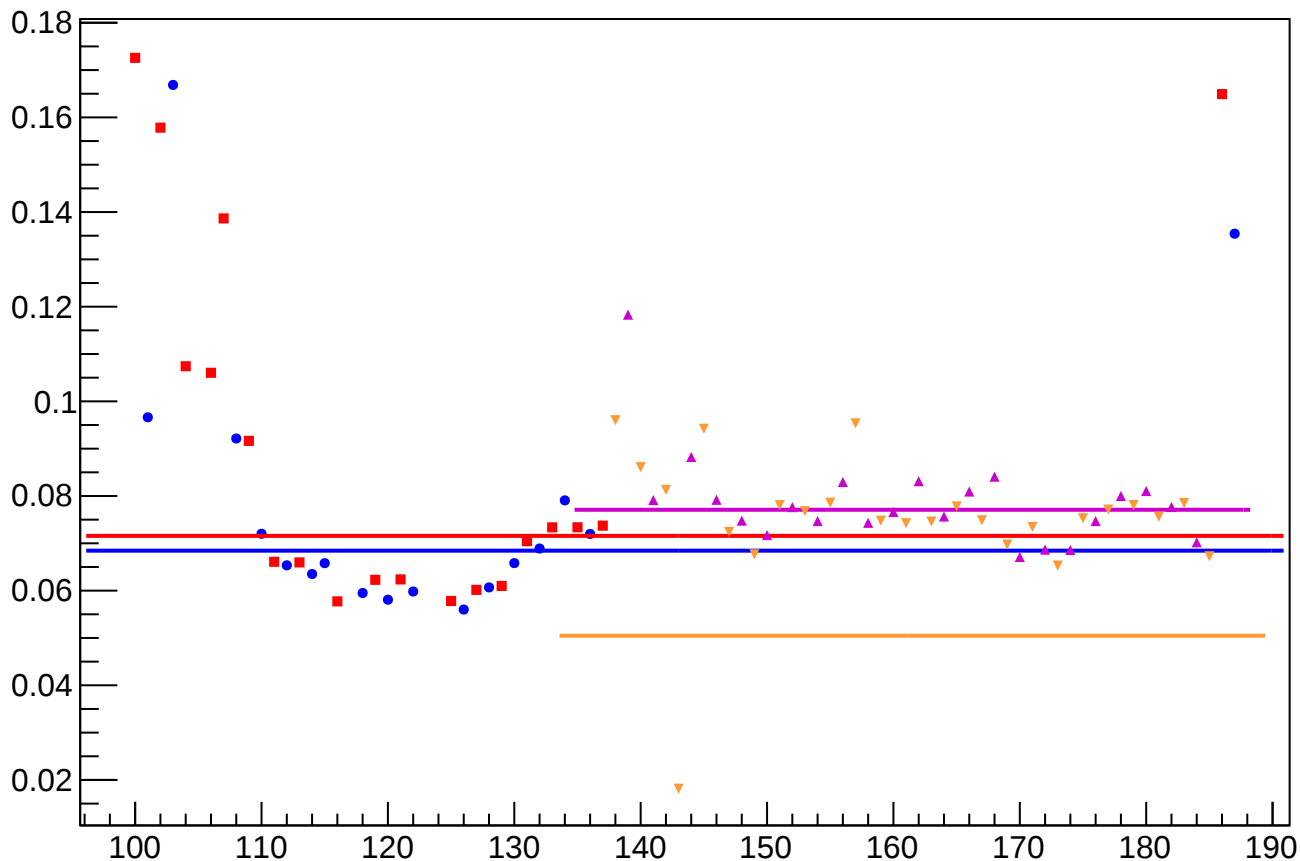
Left In: 30.809+/-0.000 χ^2 /NDF: 821961762.3/22

+ sign 21.193+/-0.000 χ^2 /NDF: 1120096734086.3/4

All: 24.985+/-0.000 χ^2 /NDF: 1355383356971

- sign 31.078+/-0.000 χ^2 /NDF: 2482943120.2/41

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 702466.0/16

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8543648.6/24

Right Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 1080023.3/18

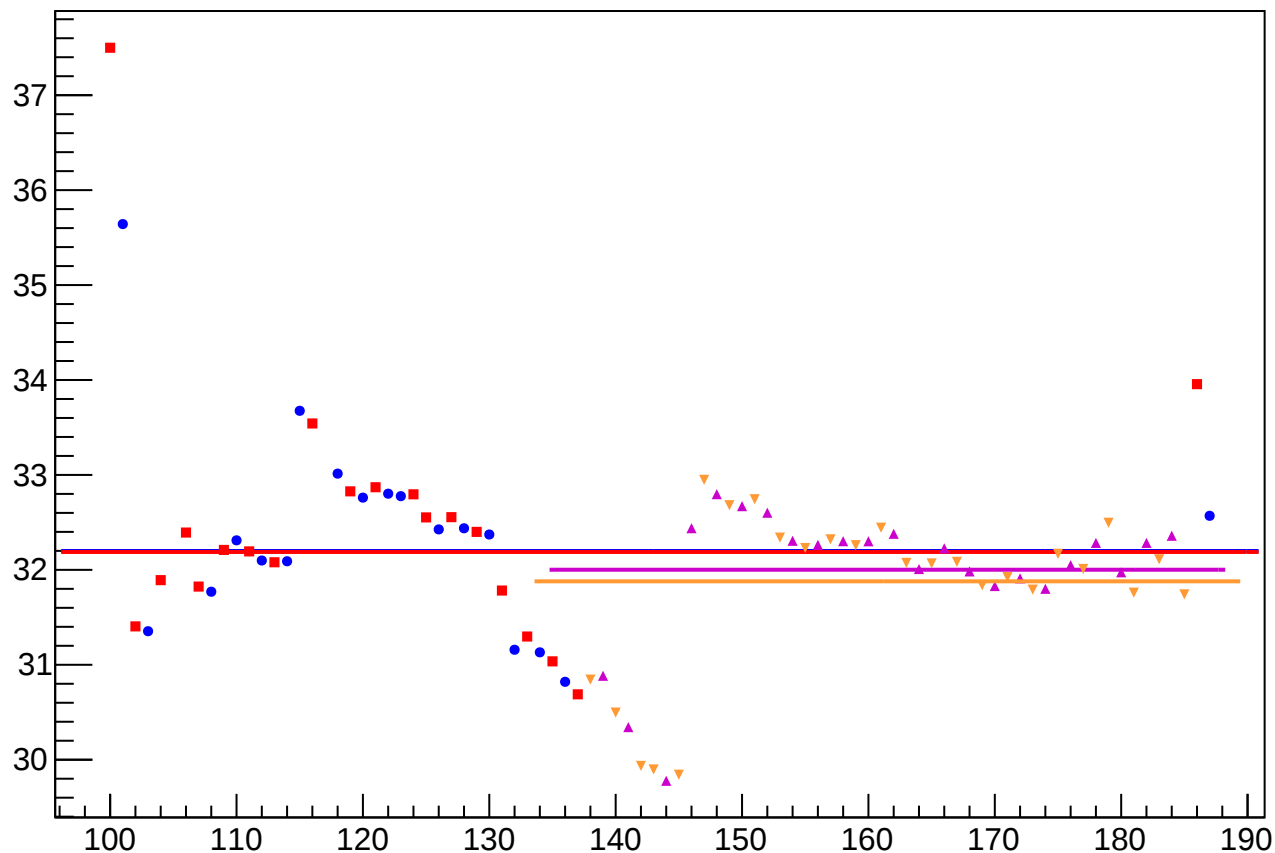
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 9891622.2/41

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 13505701.3/83

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 1456204.9/41

yield_usr_mean vs Slug



Right In: 32.198+/-0.000 χ^2/NDF : 1003135840.5/17

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.189+/-0.000 χ^2/NDF : 488251155.6/19

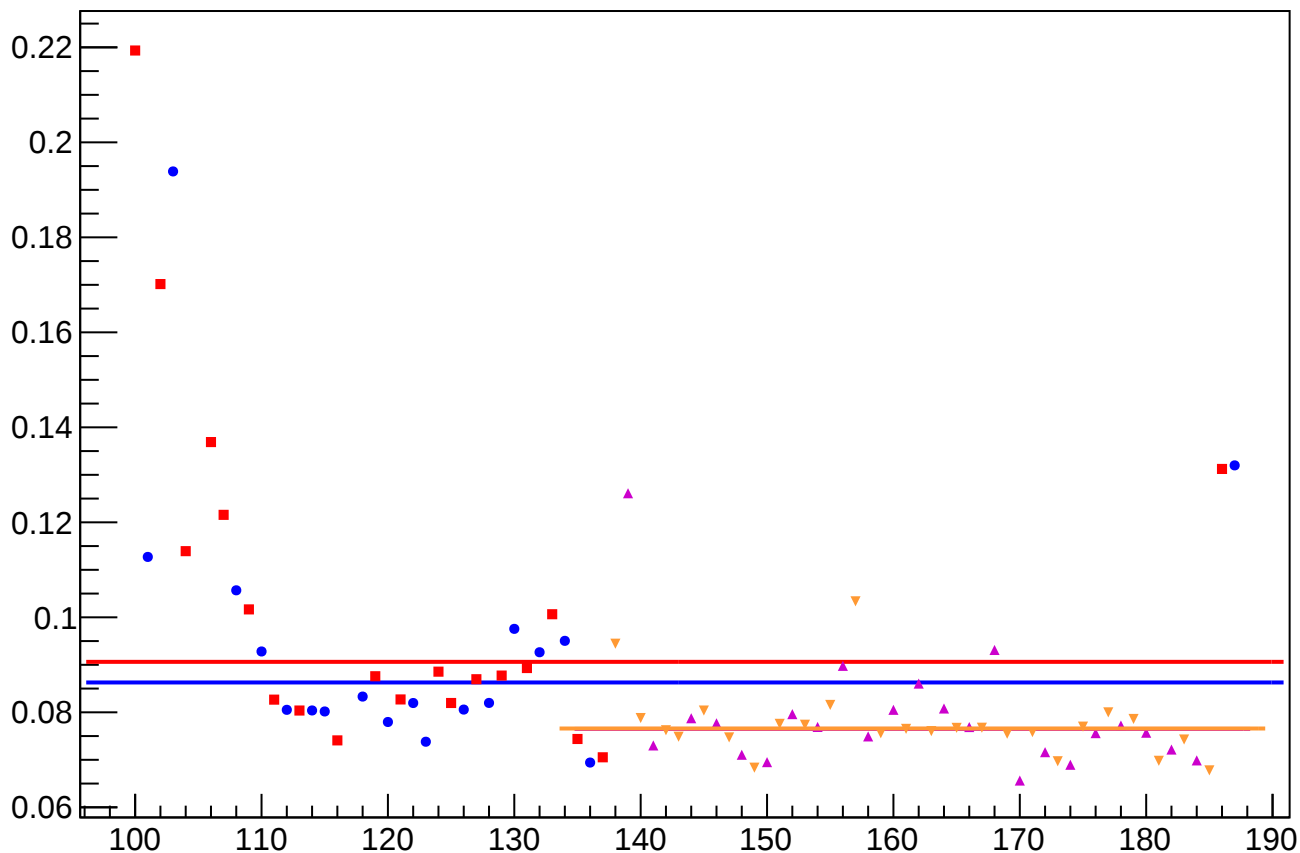
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 31.948+/-0.000 χ^2/NDF : 3042776748.3/42

All: 31.995+/-0.000 χ^2/NDF : 4979711279.9/8

- sign 32.043+/-0.000 χ^2/NDF : 1920757421.5/42

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 589025.8/17

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 209648.5/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 609663.0/19

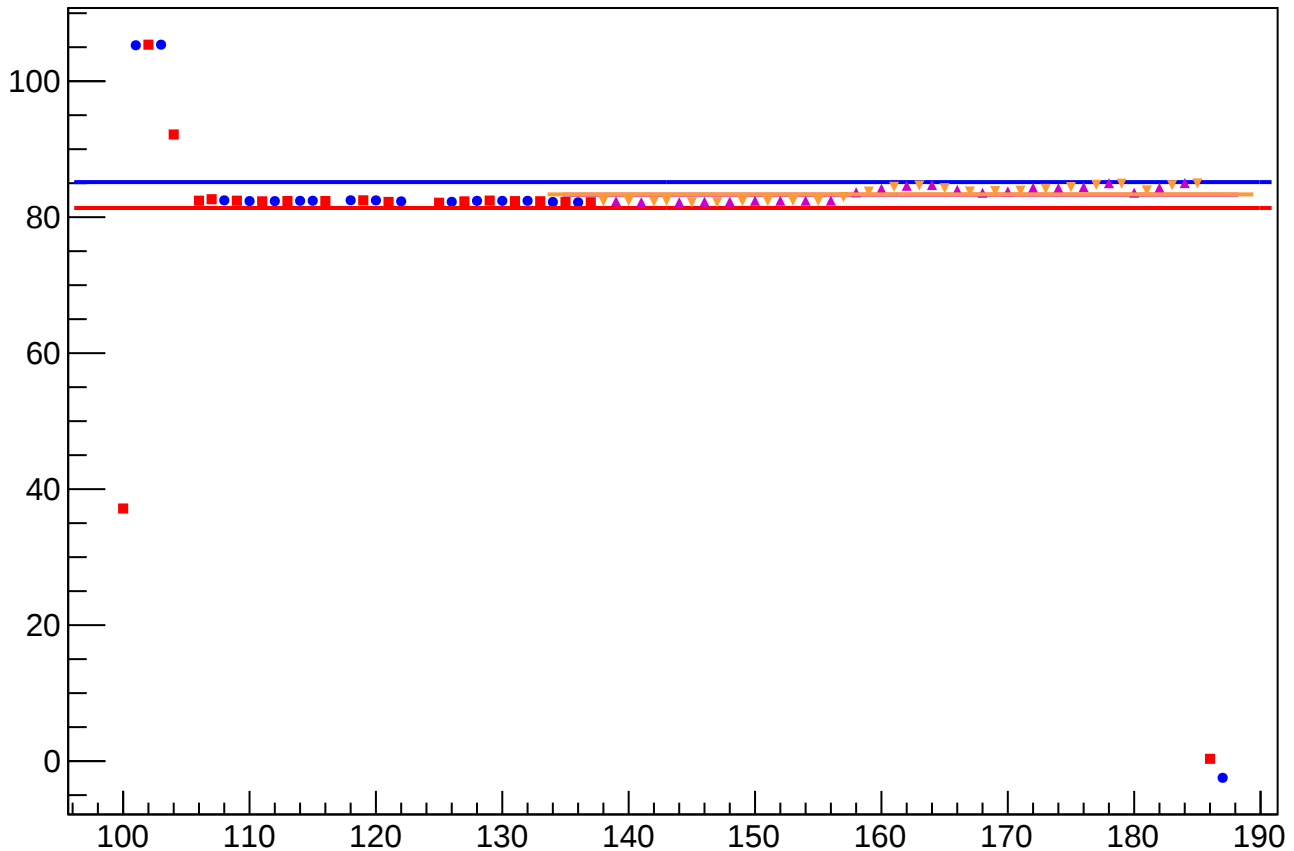
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF: 432563.3/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 915485.6/42

All: 0.079 $\pm$ 0.000 χ^2 /NDF: 2204674.3/85

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 1285918.9/42

yield_dsl_mean vs Slug



Right In: 85.158 $\pm$ 0.000 χ^2/NDF : 728782478705.1/16

Left Out: 83.355 $\pm$ 0.000 χ^2/NDF : 9142393022.8/24

Right Out: 81.353 $\pm$ 0.000 χ^2/NDF : 1349353004852.9/18

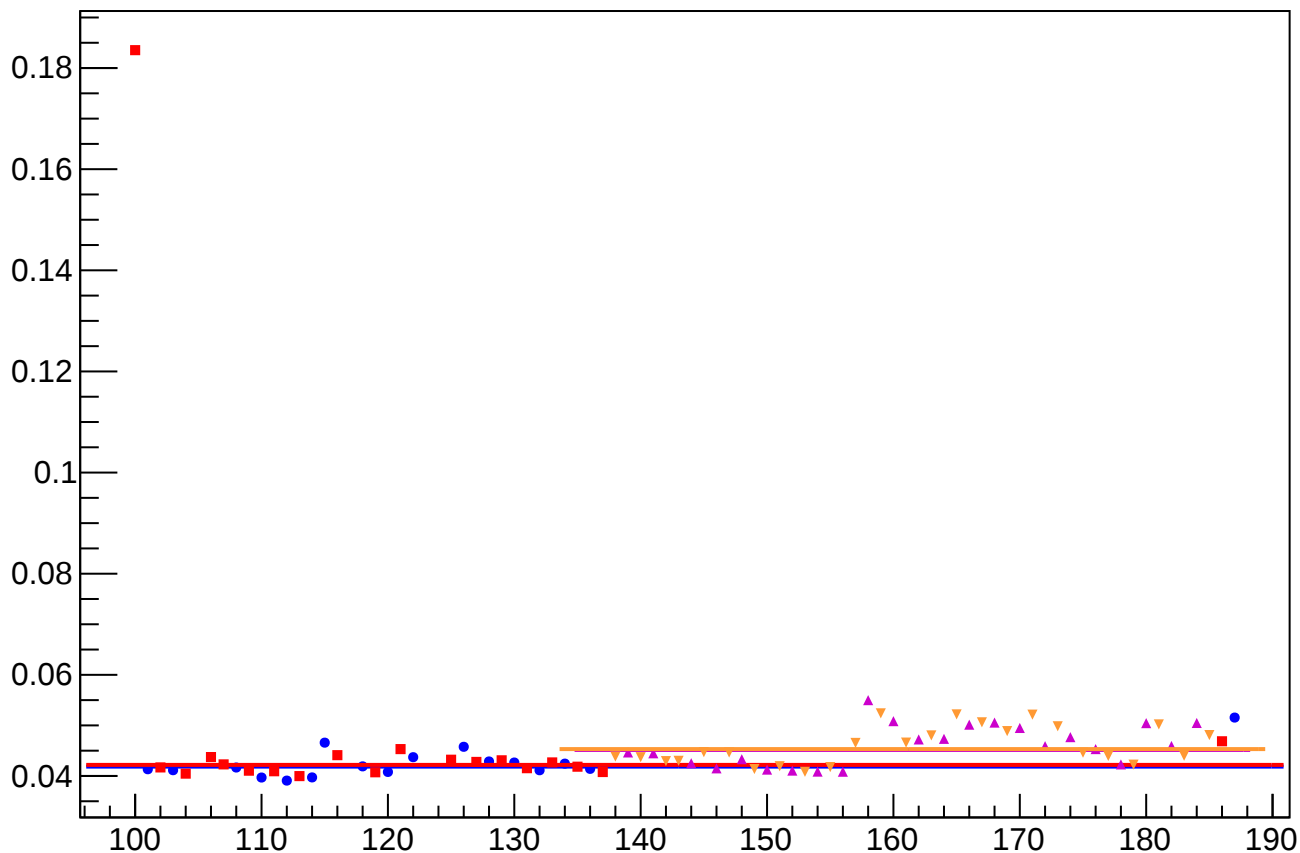
Left In: 83.309 $\pm$ 0.000 χ^2/NDF : 8421247810.9/22

+ sign 83.904 $\pm$ 0.000 χ^2/NDF : 746554302492.7/41

All: 83.289 $\pm$ 0.000 χ^2/NDF : 2124308967820

- sign 82.667 $\pm$ 0.000 χ^2/NDF : 1368218493054.4/4

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 30157.5/16

Left Out: 0.045+/-0.000 χ^2/NDF : 211358.2/24

Right Out: 0.042+/-0.000 χ^2/NDF : 104808.4/18

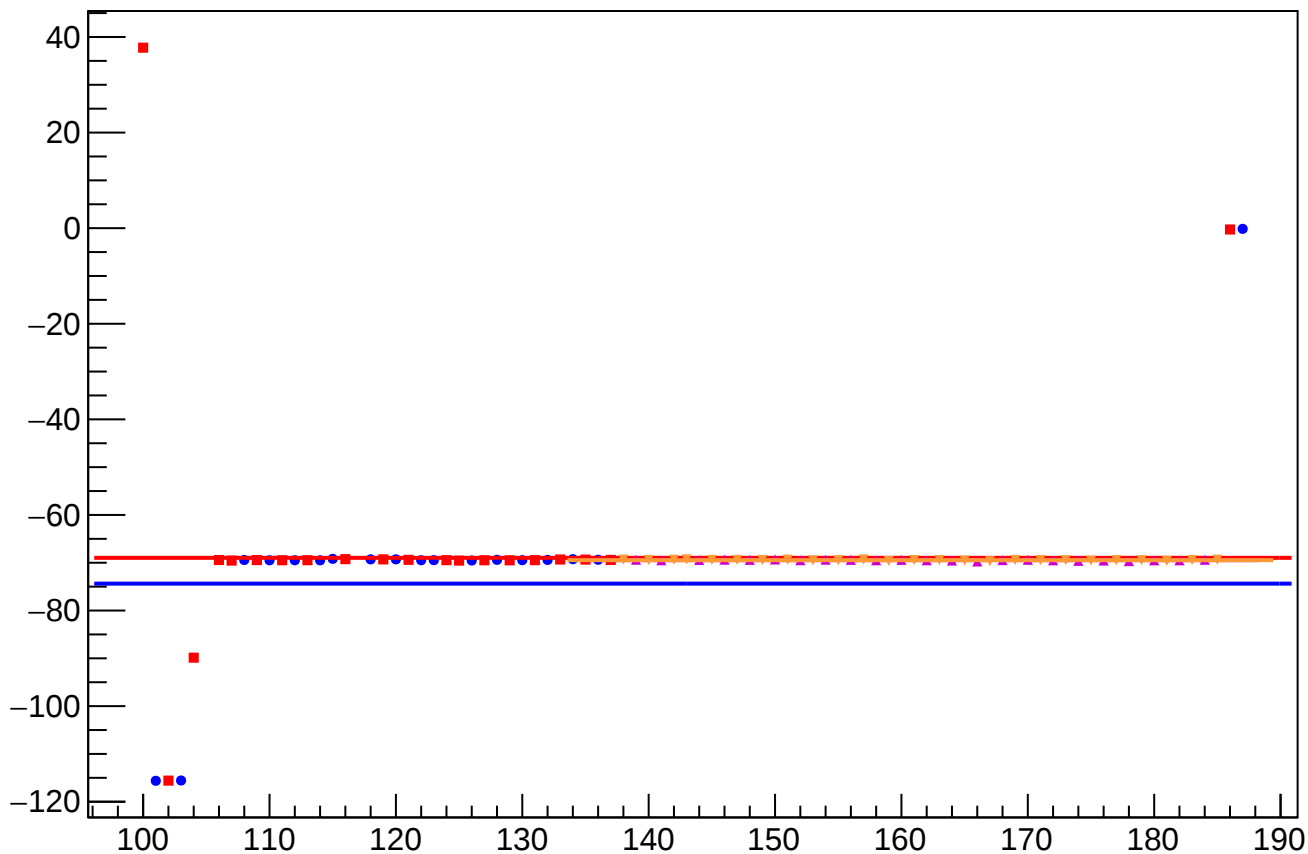
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.044+/-0.000 χ^2/NDF : 305046.3/41

All: 0.044+/-0.000 χ^2/NDF : 700446.2/83

- sign 0.044+/-0.000 χ^2/NDF : 395307.6/41

yield_dsr_mean vs Slug



Right In: -74.372 $\pm$ 0.000 χ^2 /NDF: 965769291800.4/17

Left Out: -69.461 $\pm$ 0.000 χ^2 /NDF: 49572401.9/24

Right Out: -68.973 $\pm$ 0.000 χ^2 /NDF: 1217410537568.1/19

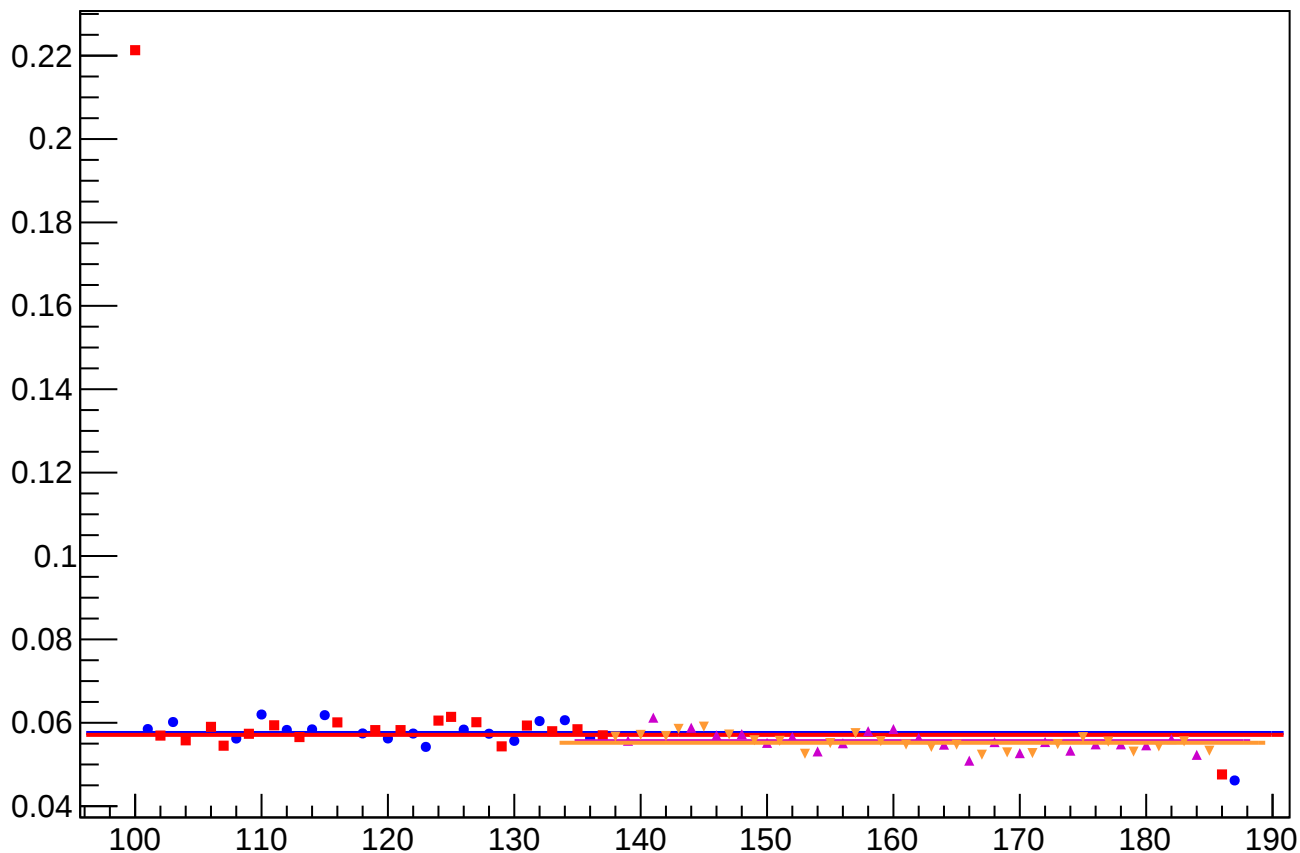
Left In: -69.458 $\pm$ 0.000 χ^2 /NDF: 52798704.3/22

+ sign -70.706 $\pm$ 0.000 χ^2 /NDF: 1001445619180.3/17

All: -70.019 $\pm$ 0.000 χ^2 /NDF: 222672001855.1/17

- sign -69.318 $\pm$ 0.000 χ^2 /NDF: 1217833629730.2/17

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 31168.7/17

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.057 $\pm$ 0.000 χ^2 /NDF: 119989.4/19

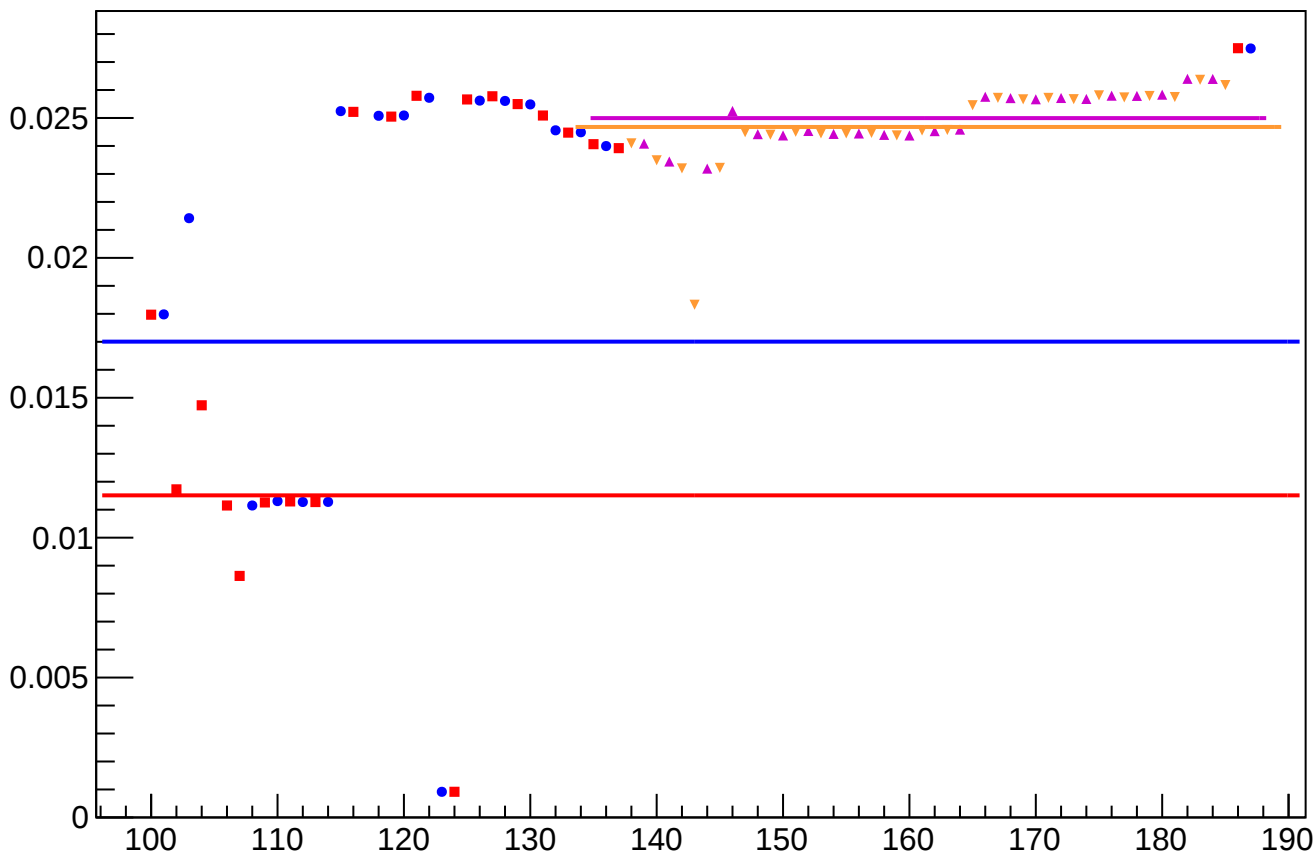
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 86190.1/42

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 265930.5/85

- sign 0.056 $\pm$ 0.000 χ^2 /NDF: 179348.1/42

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 127816598265.5/17

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 241794821578.4/19

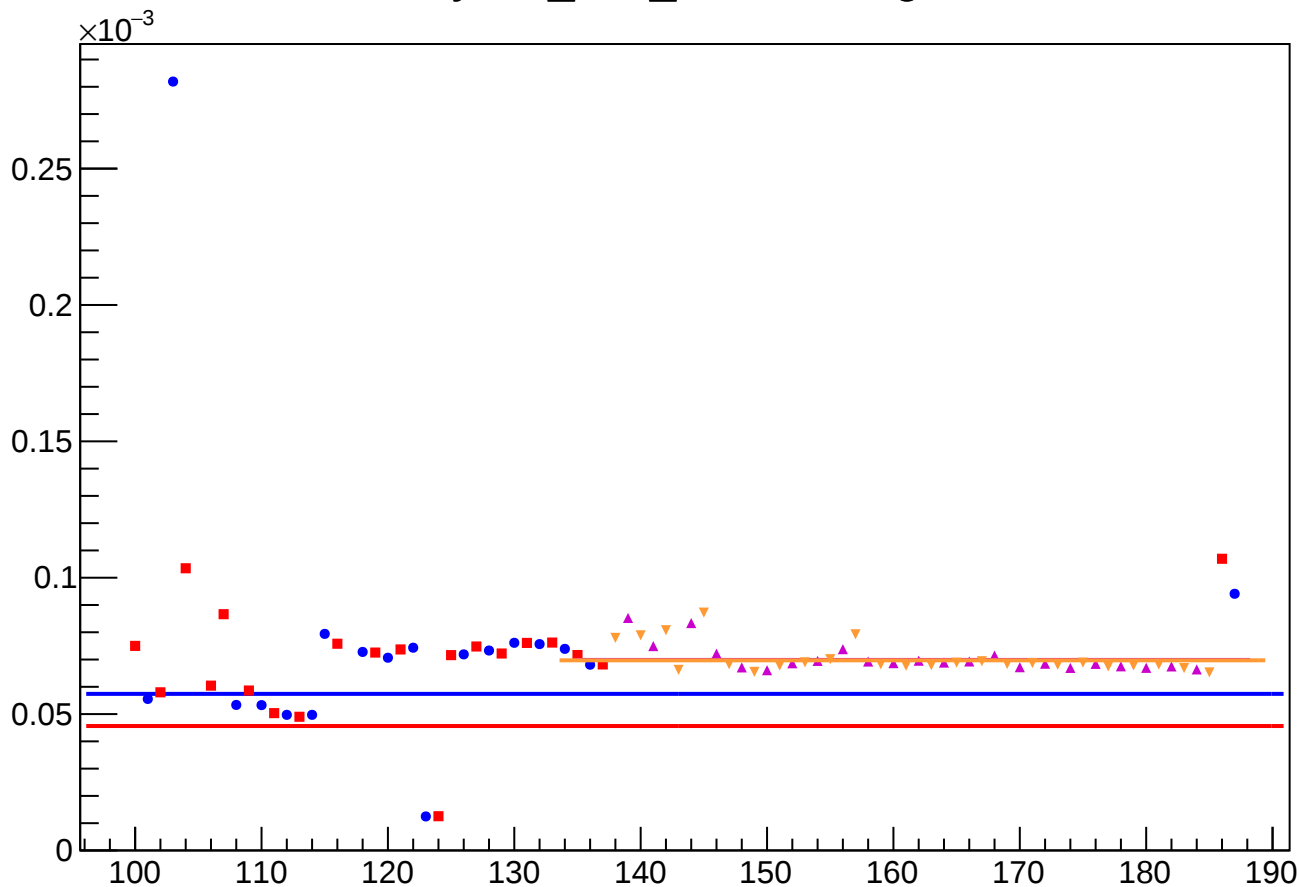
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 205918557031.7/42

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 733176334532.0

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 505323589866.8/42

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2042248.4/17

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3836980.0/19

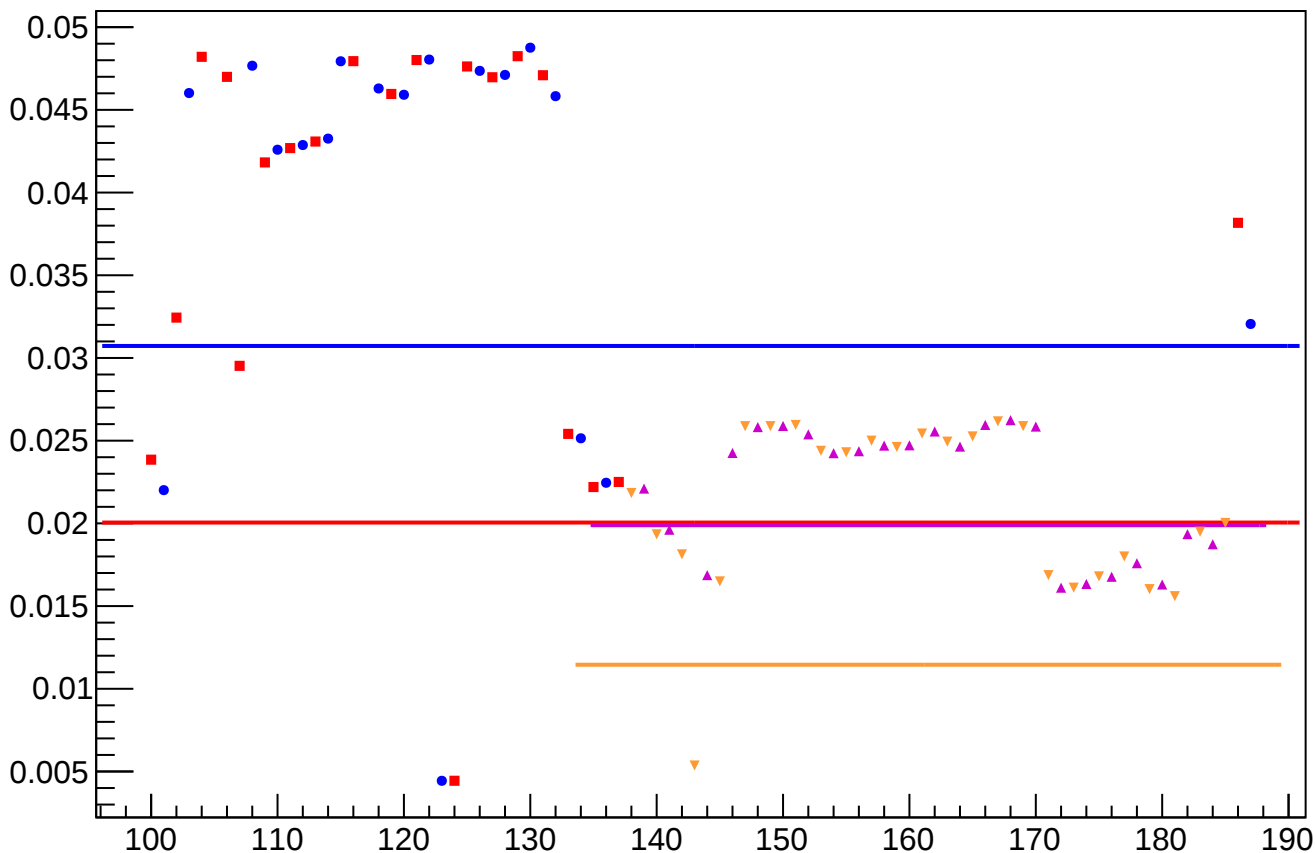
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 2552357.3/42

All: 0.000+/-0.000 χ^2/NDF : 8402214.0/85

- sign 0.000+/-0.000 χ^2/NDF : 5653039.0/42

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21083230817.1/17

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.020+/-0.000 χ^2/NDF : 39971268253.6/19

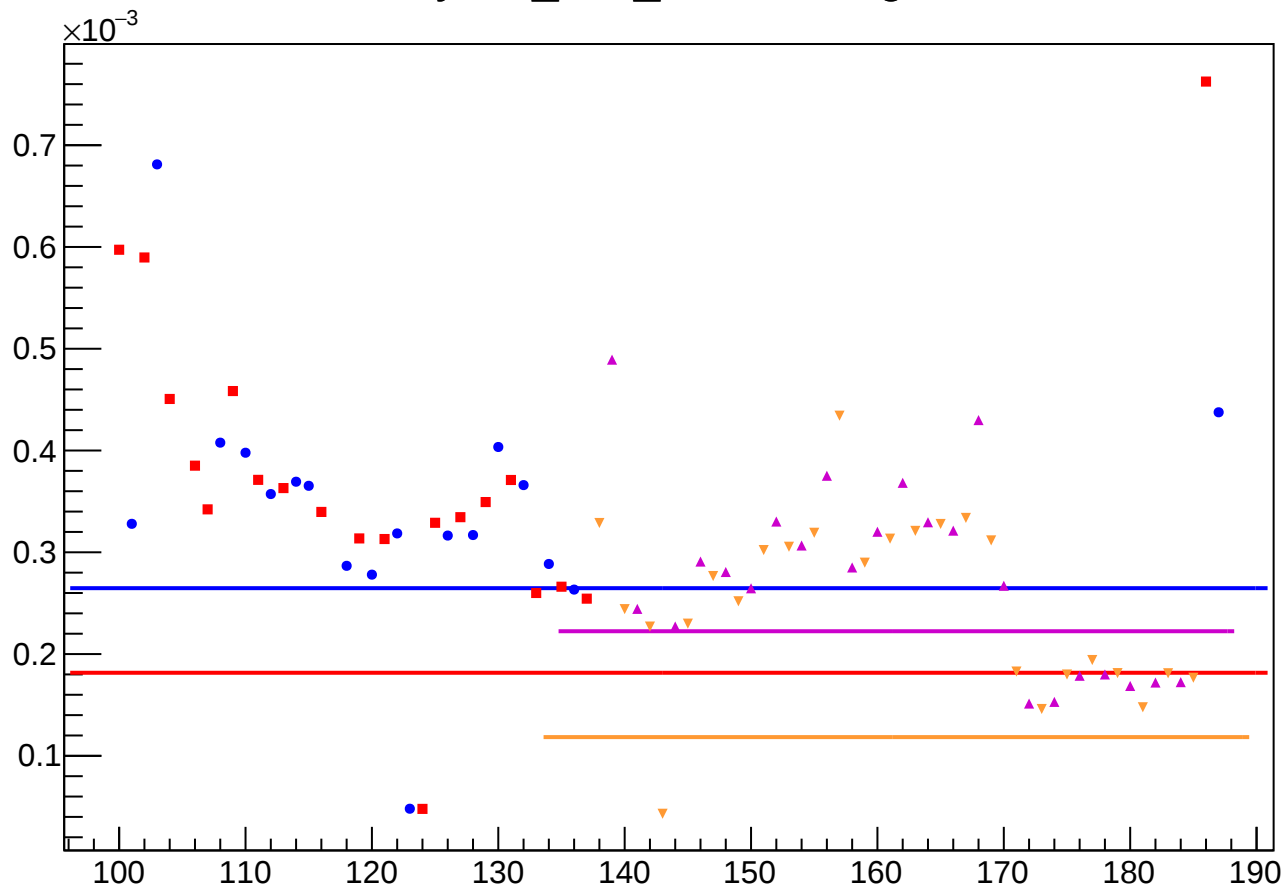
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 85509468493.1/42

All: 0.016+/-0.000 χ^2/NDF : 142166240534.1

- sign 0.020+/-0.000 χ^2/NDF : 44432207062.5/42

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2438660.0/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5768953.0/19

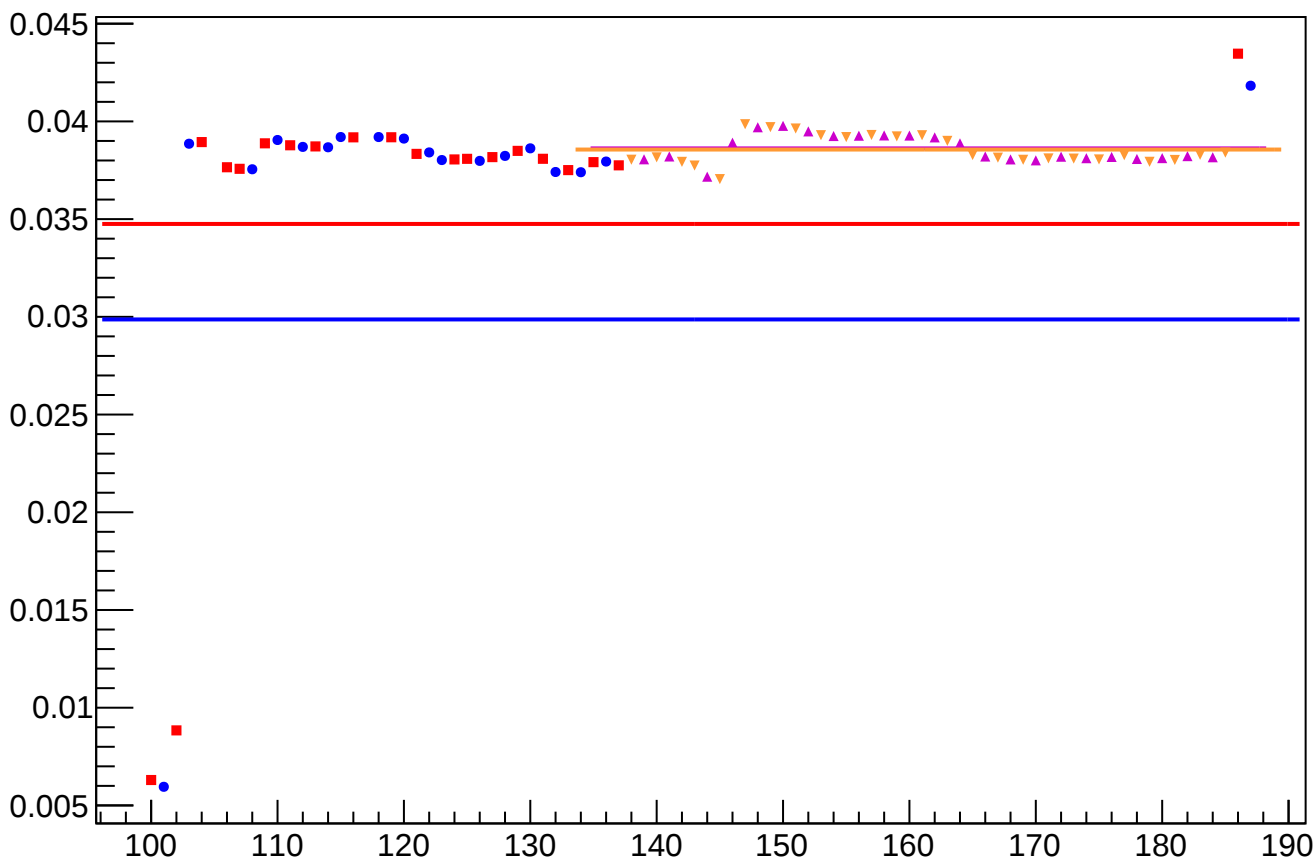
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 18784671.7/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 31482088.7/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9329558.0/42

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97408977874.3/17

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 44322675104.4/19

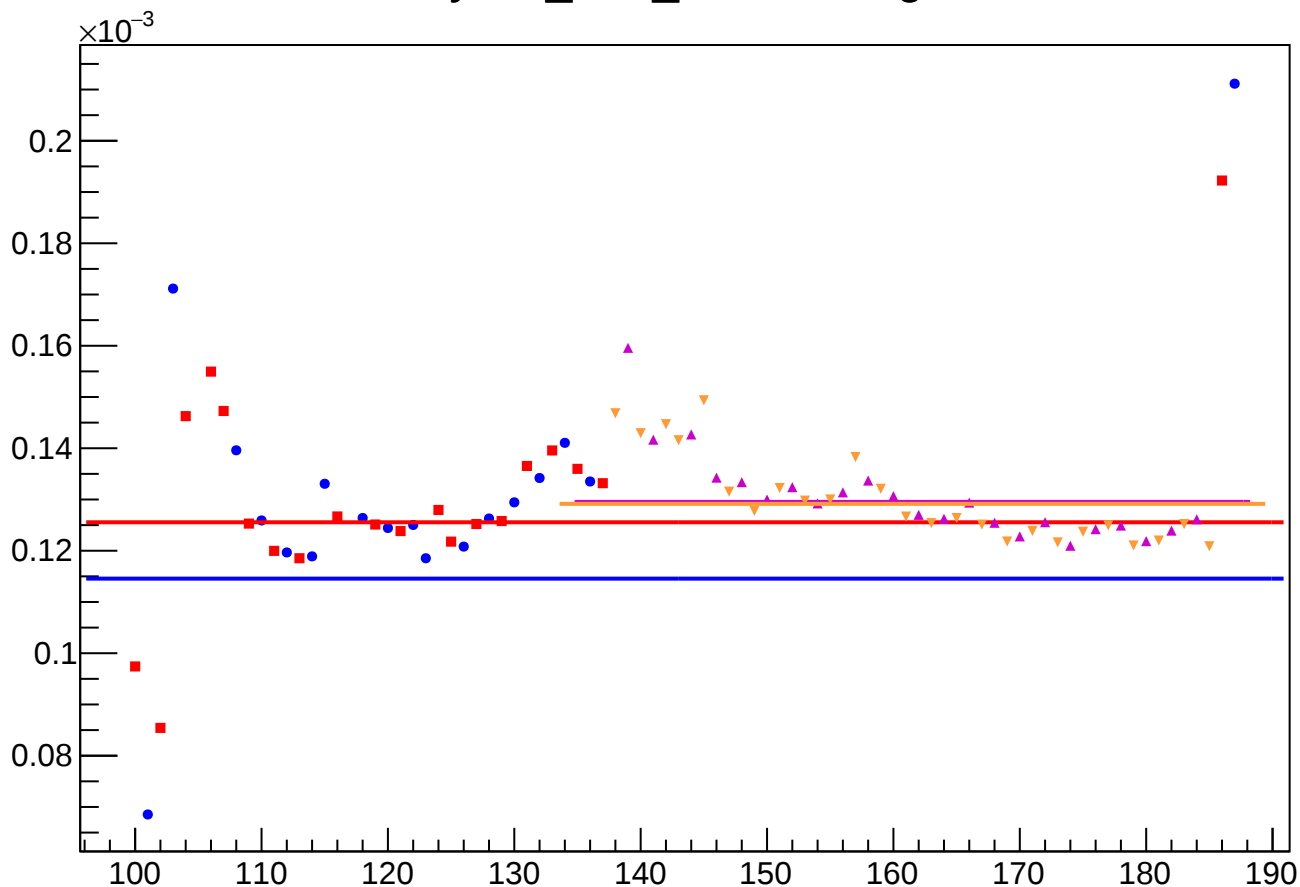
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 122873773286.4/42

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 174058655791.0

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 49389755720.3/42

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 854295.2/17

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 336474.9/19

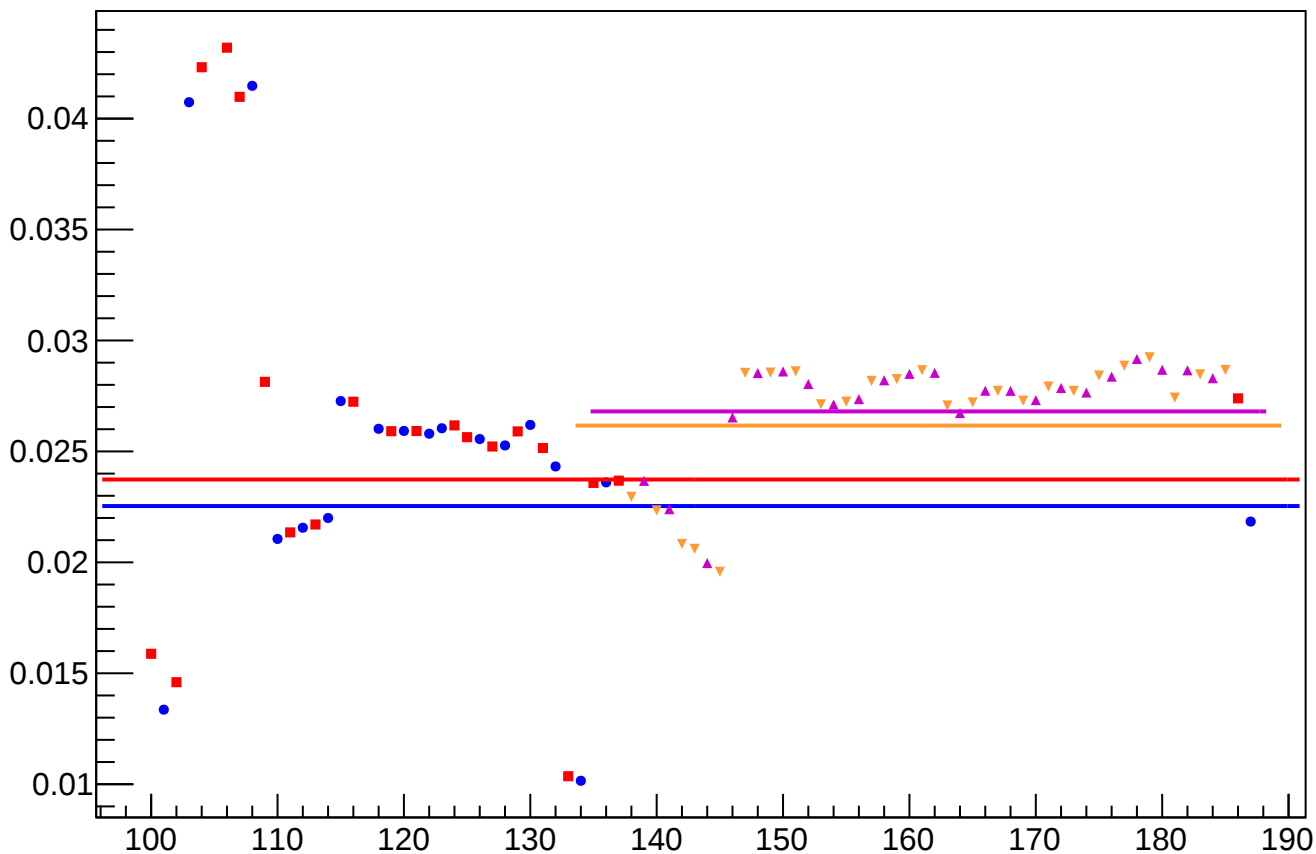
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1125059.7/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1605891.1/85

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 460969.6/42

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4236594109.3/17

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.024+/-0.000 χ^2/NDF : 5661274443.5/19

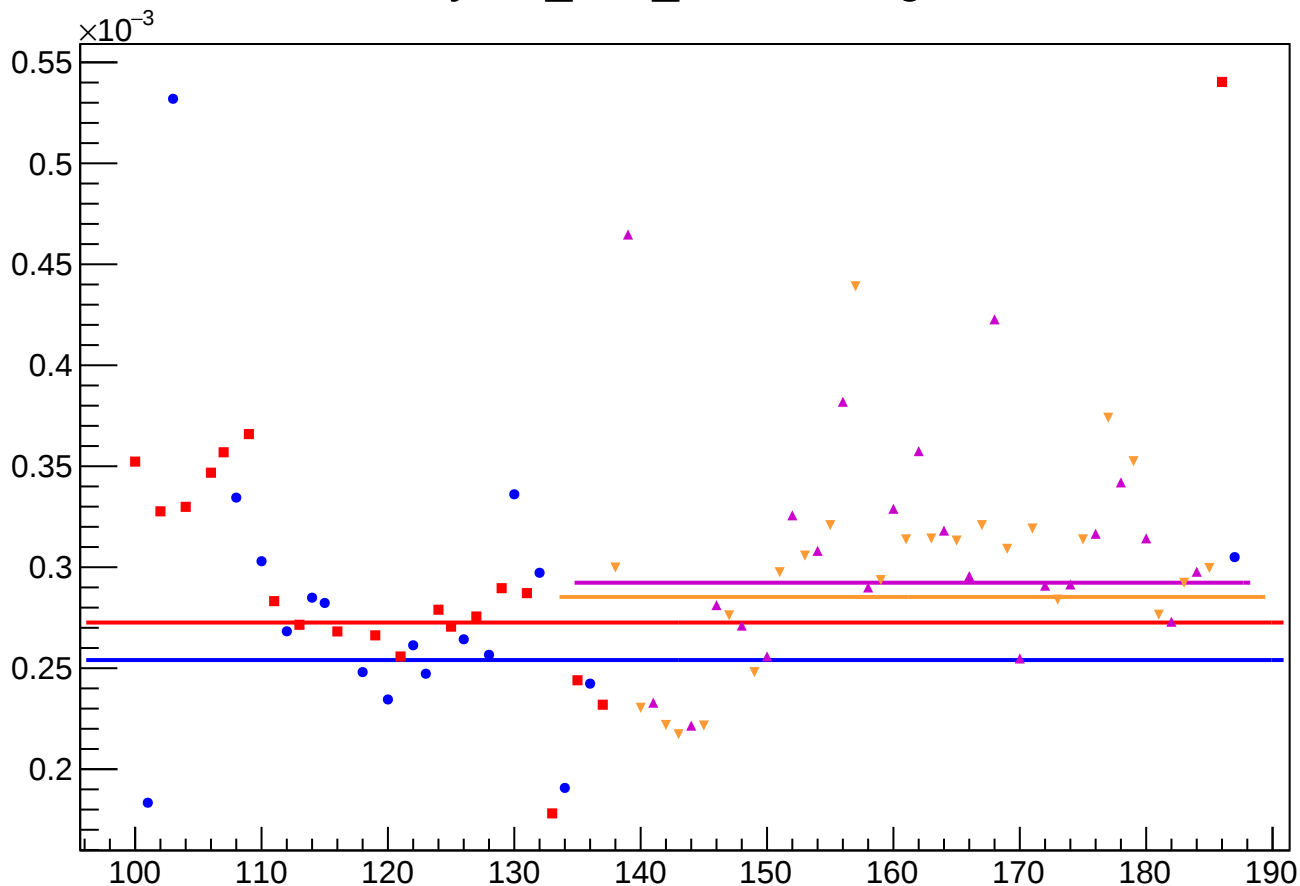
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7121059393.4/42

All: 0.025+/-0.000 χ^2/NDF : 14756773480.2/8

- sign 0.026+/-0.000 χ^2/NDF : 7547011857.2/42

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 634313.6/17

Left Out: 0.000+/-0.000 χ^2/NDF : 813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 613334.2/19

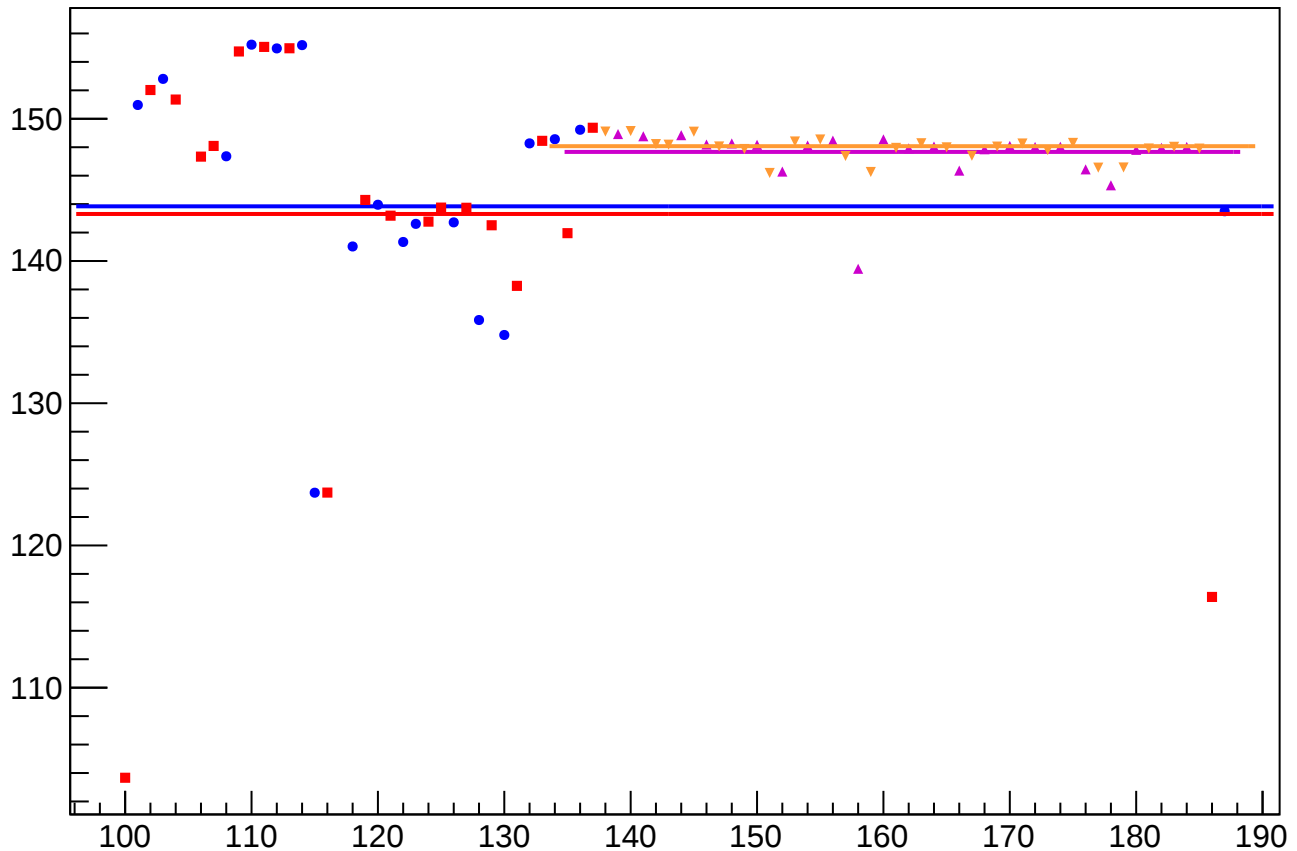
Left In: 0.000+/-0.000 χ^2/NDF : 898772.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 1570456.9/42

All: 0.000+/-0.000 χ^2/NDF : 3159621.3/85

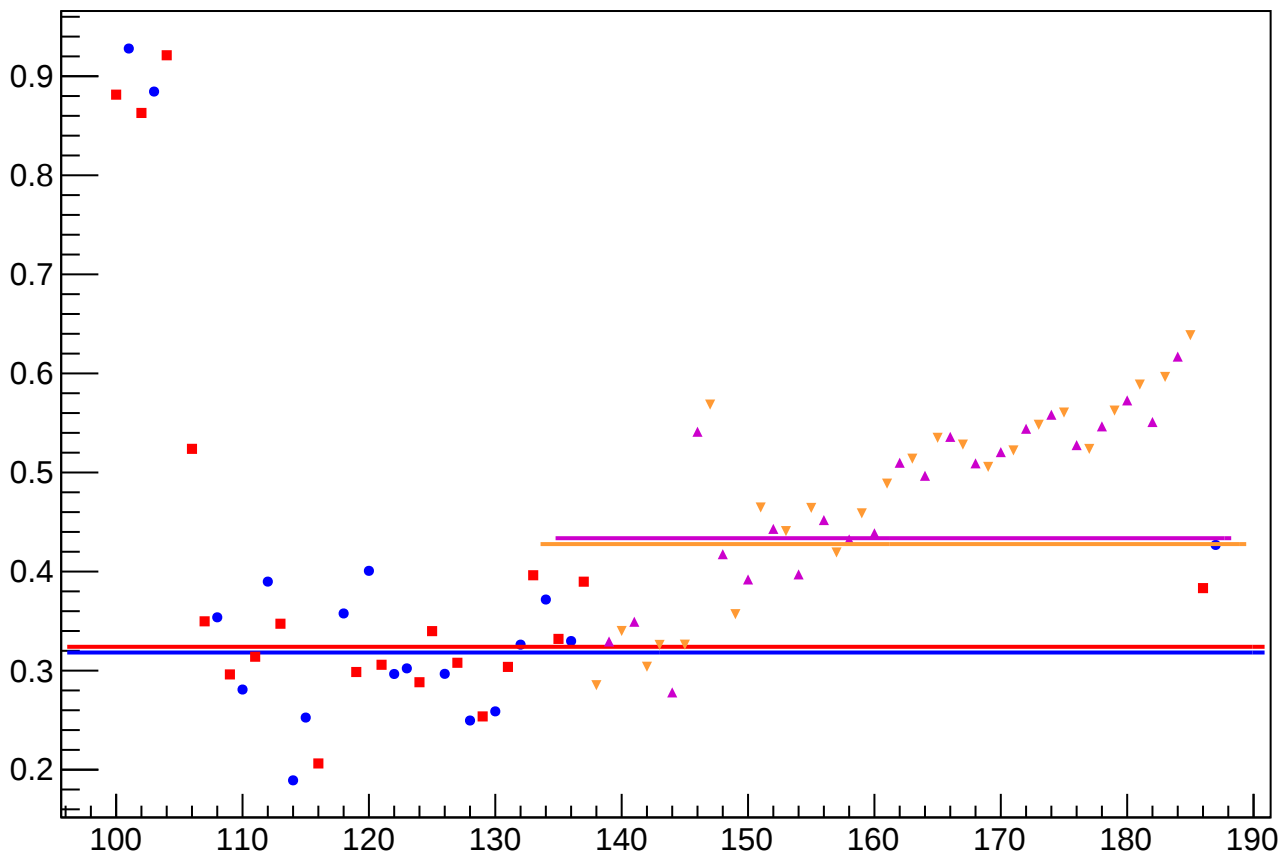
- sign 0.000+/-0.000 χ^2/NDF : 1557855.4/42

yield_bcm_an_ds_mean vs Slug



Right In: 143.844+/-0.000	χ^2/NDF : 3450901370.2/17	+ sign 146.482+/-0.000	χ^2/NDF : 4140603273.7/42
Left Out: 148.073+/-0.000	χ^2/NDF : 65614067.4/24	All: 146.195+/-0.000	χ^2/NDF : 11249658562.
Right Out: 143.307+/-0.000	χ^2/NDF : 6071206706.2/19	- sign 145.900+/-0.000	χ^2/NDF : 7084146543.7/42
Left In: 147.670+/-0.000	χ^2/NDF : 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1278758.6/17

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.324 ± 0.000 χ^2/NDF : 1234803.9/19

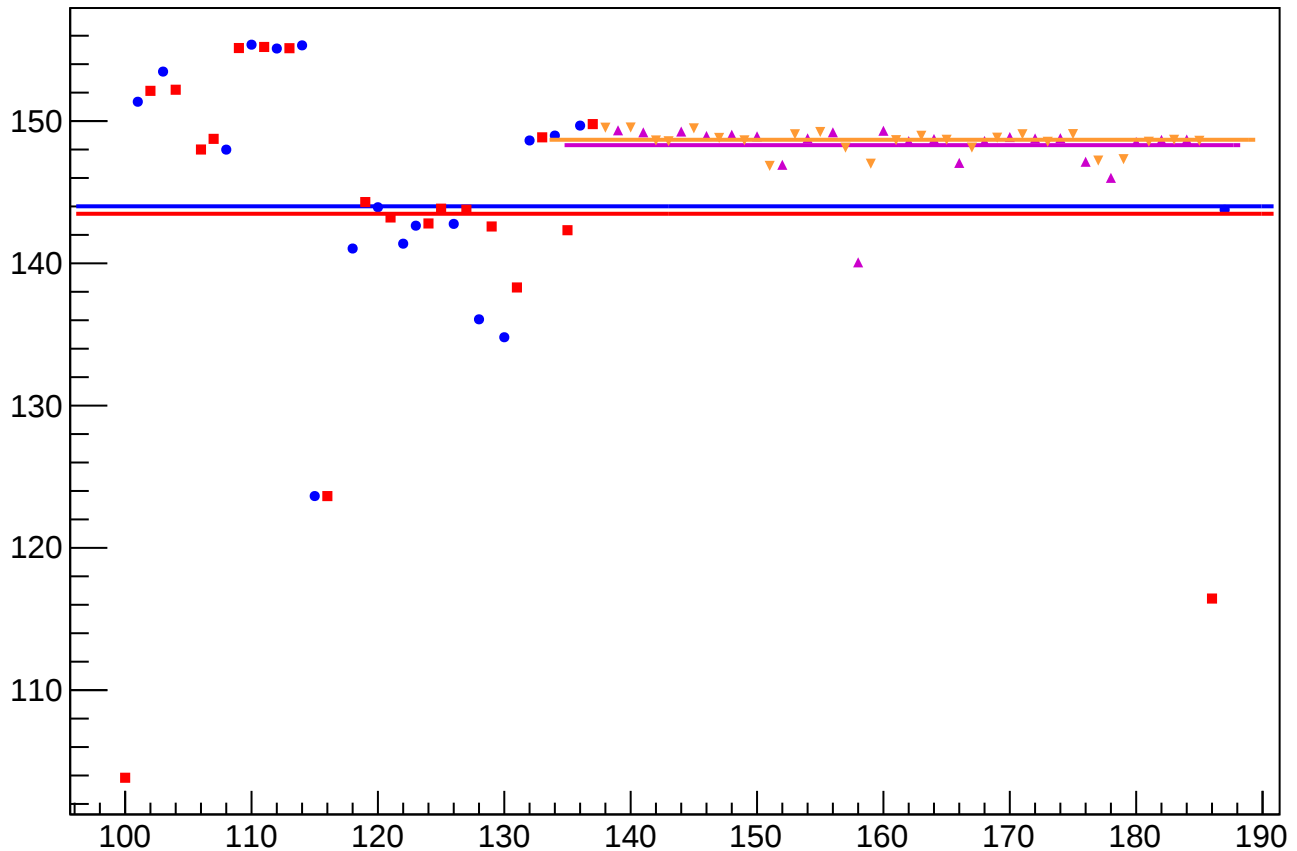
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.387 ± 0.000 χ^2/NDF : 4011738.2/42

All: 0.388 ± 0.000 χ^2/NDF : 7586736.1/85

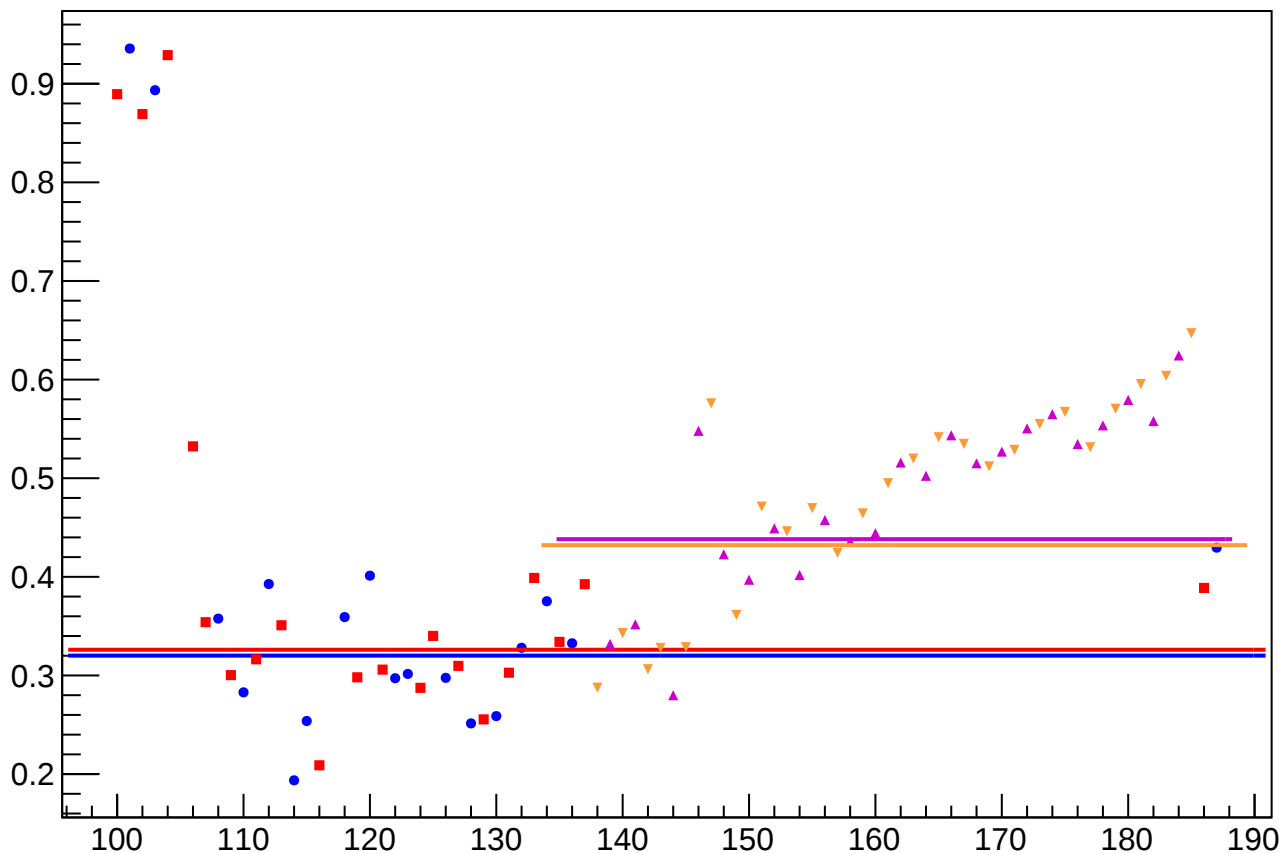
- sign 0.389 ± 0.000 χ^2/NDF : 3573971.4/42

yield_bcm_an_ds3_mean vs Slug



Right In: 144.009 $\pm$ 0.000	χ^2 /NDF: 3495334786.9/17	+ sign 146.916 $\pm$ 0.000	χ^2 /NDF: 4299468208.4/42
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218185.1/24	All: 146.632 $\pm$ 0.000	χ^2 /NDF: 11517506568.
Right Out: 143.484 $\pm$ 0.000	χ^2 /NDF: 6057950414.0/19	- sign 146.341 $\pm$ 0.000	χ^2 /NDF: 7194110247.8/42
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.320 ± 0.000 χ^2/NDF : 1280604.8/17

Left Out: 0.432 ± 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.326 ± 0.000 χ^2/NDF : 1238759.2/19

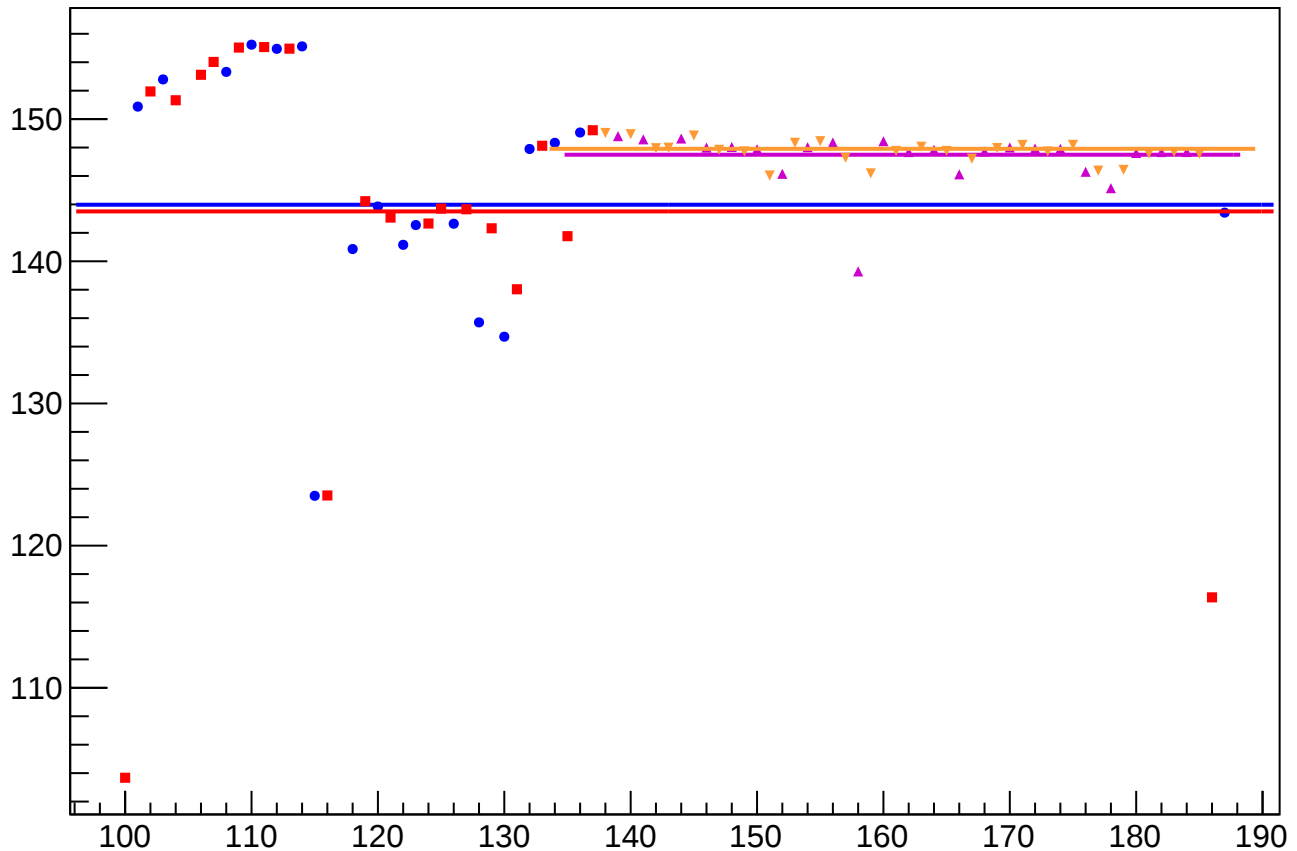
Left In: 0.438 ± 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4072146.0/42

All: 0.391 ± 0.000 χ^2/NDF : 7701273.5/85

- sign 0.392 ± 0.000 χ^2/NDF : 3628030.9/42

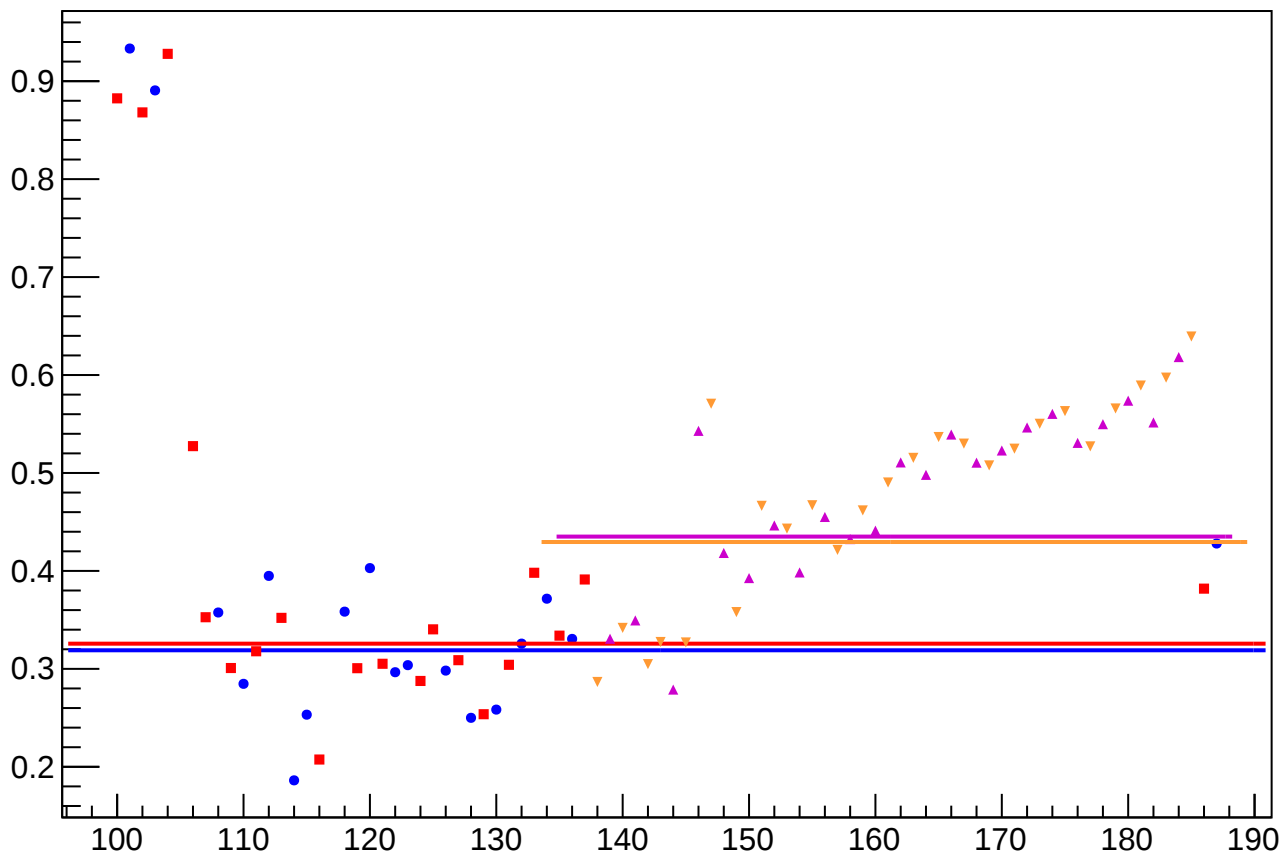
yield_bcm_an_us_mean vs Slug



Right In: 143.978 ± 0.000 χ^2/NDF : 3664714423.1/17
 Left Out: 147.911 ± 0.000 χ^2/NDF : 64412407.9/24
 Right Out: 143.508 ± 0.000 χ^2/NDF : 6406536791.6/19
 Left In: 147.493 ± 0.000 χ^2/NDF : 343978473.2/22

+ sign 146.430 ± 0.000 χ^2/NDF : 4265365586.0/42
 All: 146.158 ± 0.000 χ^2/NDF : 11589974085.
 - sign 145.880 ± 0.000 χ^2/NDF : 7302603759.2/42

yield_bcm_an_us_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1293427.2/17

Left Out: 0.430 ± 0.000 χ^2/NDF : 1895701.4/24

Right Out: 0.326 ± 0.000 χ^2/NDF : 1237766.4/19

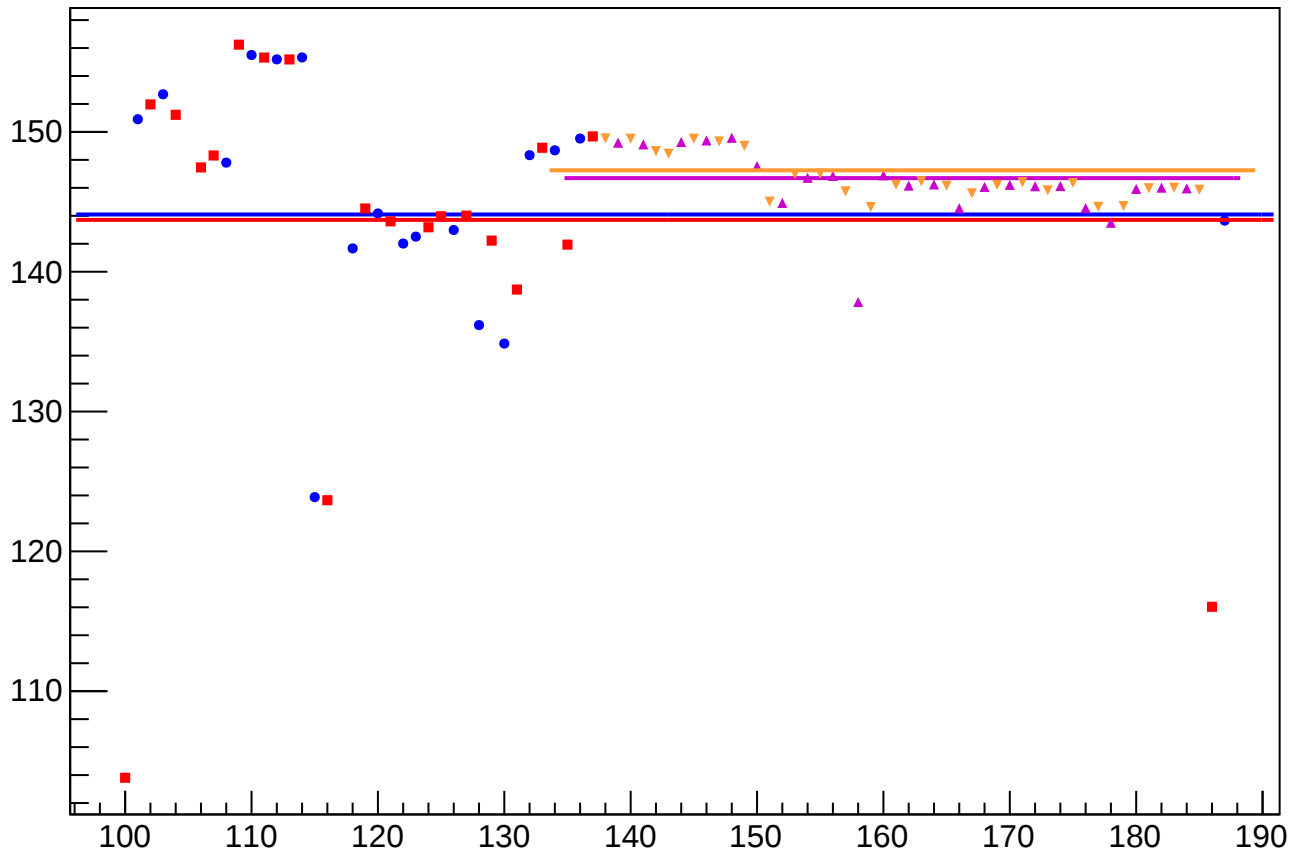
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4036401.7/42

All: 0.389 ± 0.000 χ^2/NDF : 7609226.9/85

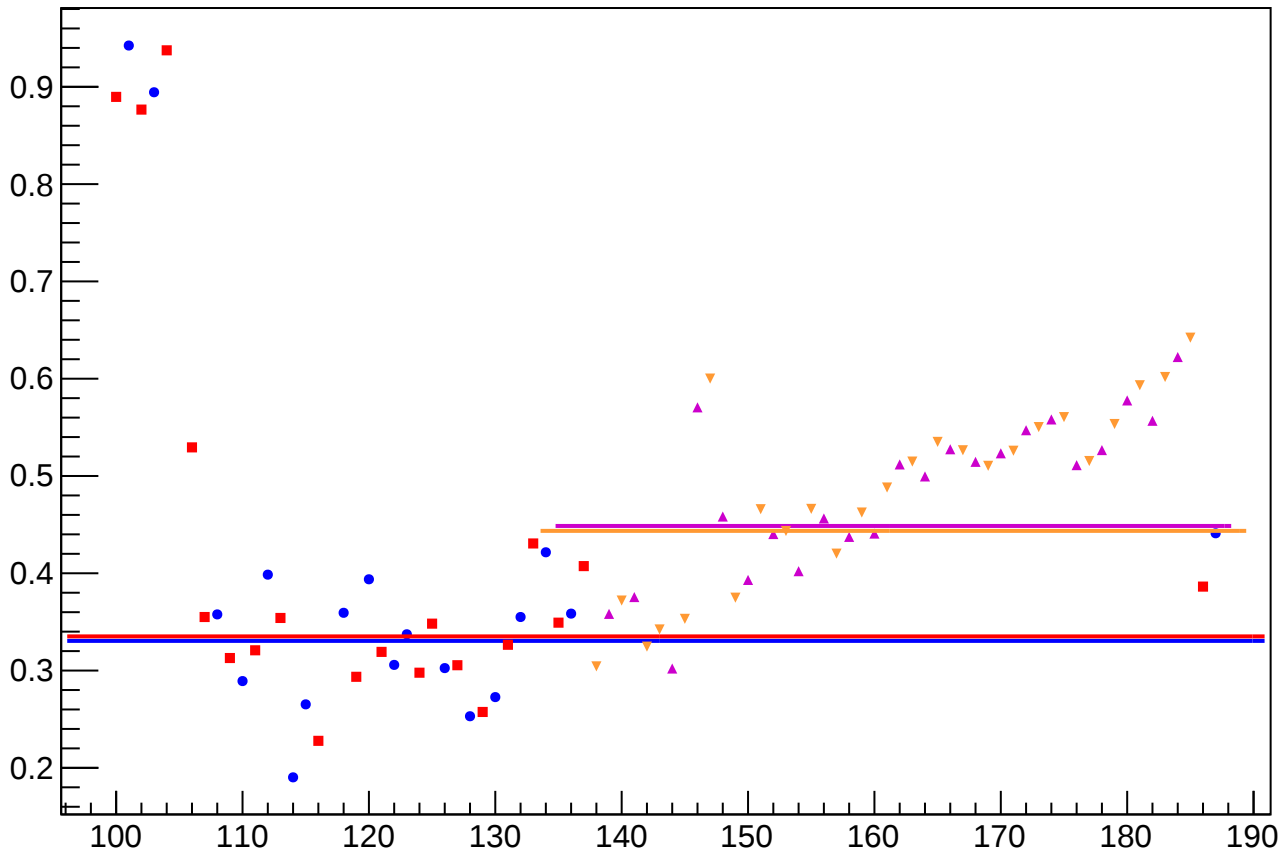
- sign 0.391 ± 0.000 χ^2/NDF : 3571574.0/42

yield_bcm_dg_us_mean vs Slug



Right In: 144.095 $\pm$ 0.000	χ^2 /NDF: 3163390532.0/17	+ sign 146.079 $\pm$ 0.000	χ^2 /NDF: 3749214360.1/42
Left Out: 147.255 $\pm$ 0.000	χ^2 /NDF: 262138049.8/24	All: 145.787 $\pm$ 0.000	χ^2 /NDF: 10443817428.
Right Out: 143.709 $\pm$ 0.000	χ^2 /NDF: 5819564853.4/19	- sign 145.491 $\pm$ 0.000	χ^2 /NDF: 6670871523.9/42
Left In: 146.695 $\pm$ 0.000	χ^2 /NDF: 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1277128.4/17

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1195083.7/19

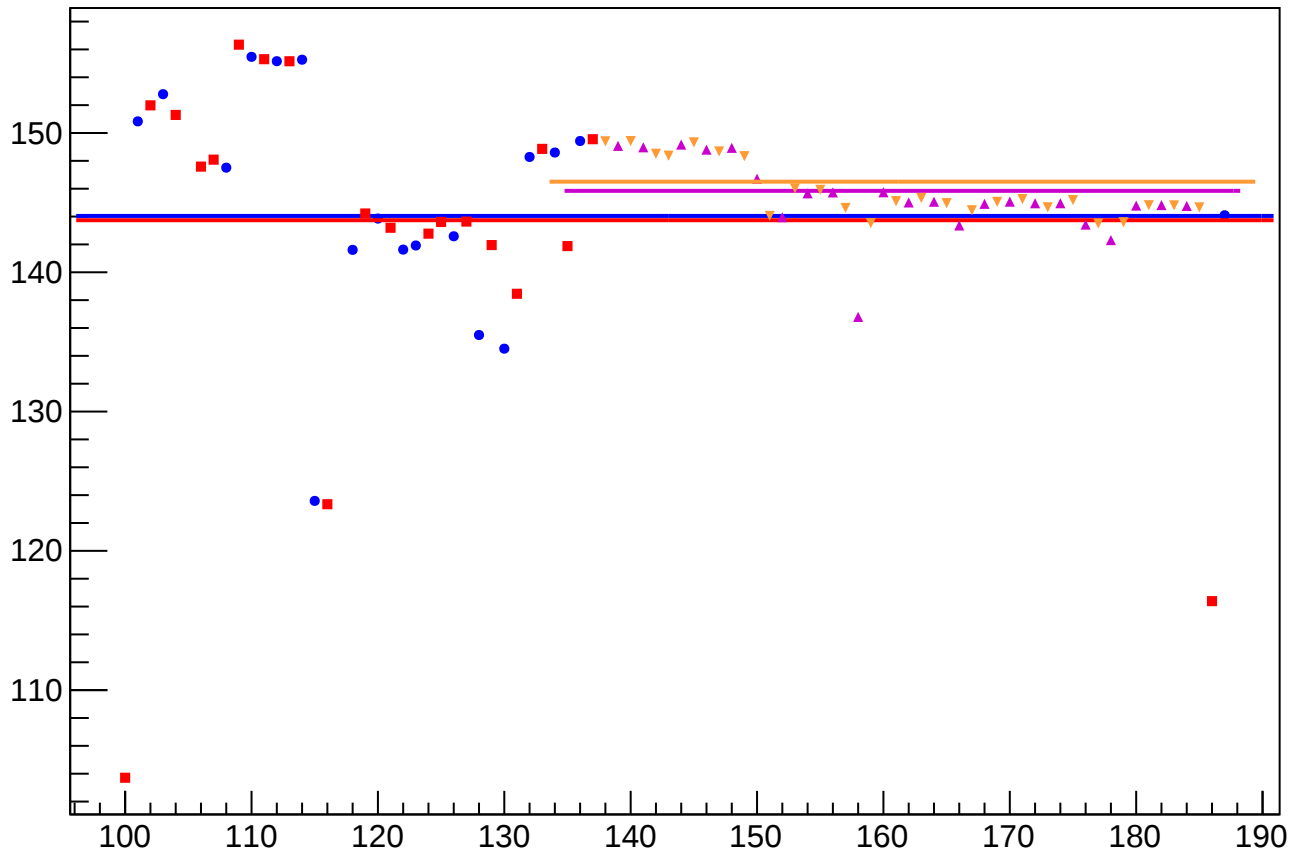
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.401 $\pm$ 0.000 χ^2 /NDF: 3589919.2/42

All: 0.402 $\pm$ 0.000 χ^2 /NDF: 6765839.2/85

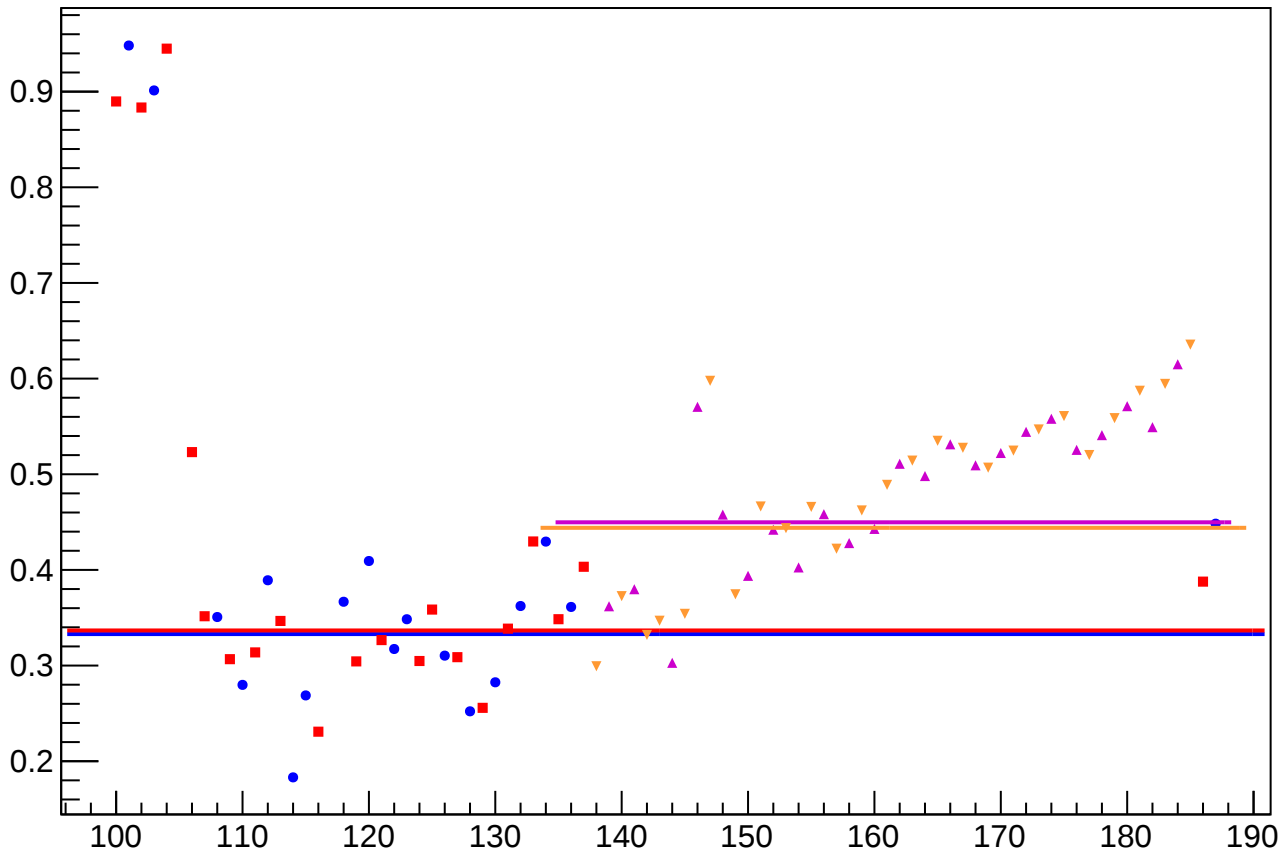
- sign 0.403 $\pm$ 0.000 χ^2 /NDF: 3175653.7/42

yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 $\pm$ 0.000	χ^2 /NDF: 3282868996.9/17	+ sign 145.599 $\pm$ 0.000	χ^2 /NDF: 3878133726.5/42
Left Out: 146.505 $\pm$ 0.000	χ^2 /NDF: 401688176.3/24	All: 145.301 $\pm$ 0.000	χ^2 /NDF: 10577372163.
Right Out: 143.738 $\pm$ 0.000	χ^2 /NDF: 5834953628.5/19	- sign 145.000 $\pm$ 0.000	χ^2 /NDF: 6674704704.9/42
Left In: 145.847 $\pm$ 0.000	χ^2 /NDF: 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.333 ± 0.000 χ^2/NDF : 1294083.1/17

Left Out: 0.444 ± 0.000 χ^2/NDF : 1463293.5/24

Right Out: 0.337 ± 0.000 χ^2/NDF : 1183501.6/19

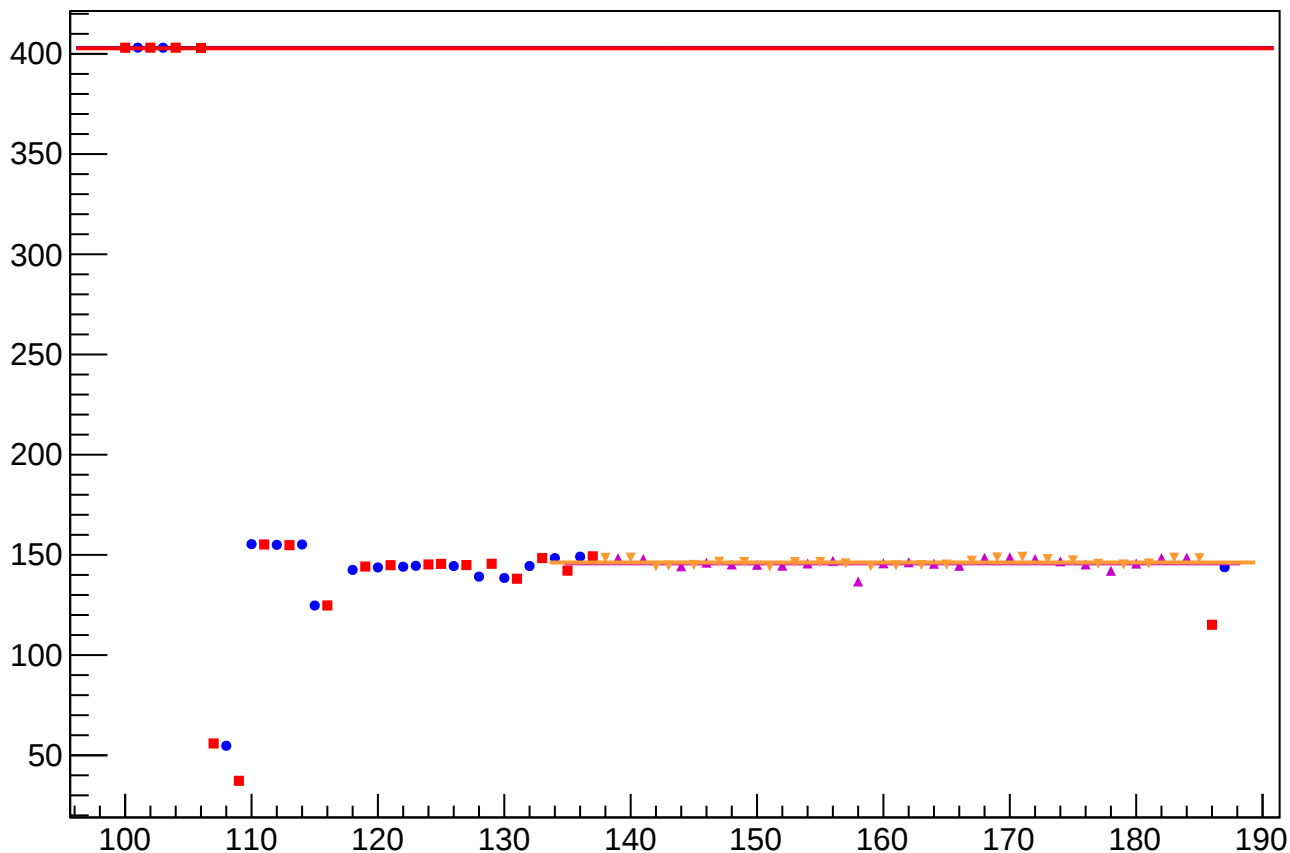
Left In: 0.450 ± 0.000 χ^2/NDF : 1105405.0/22

+ sign 0.403 ± 0.000 χ^2/NDF : 3547727.1/42

All: 0.404 ± 0.000 χ^2/NDF : 6670666.8/85

- sign 0.404 ± 0.000 χ^2/NDF : 3122716.1/42

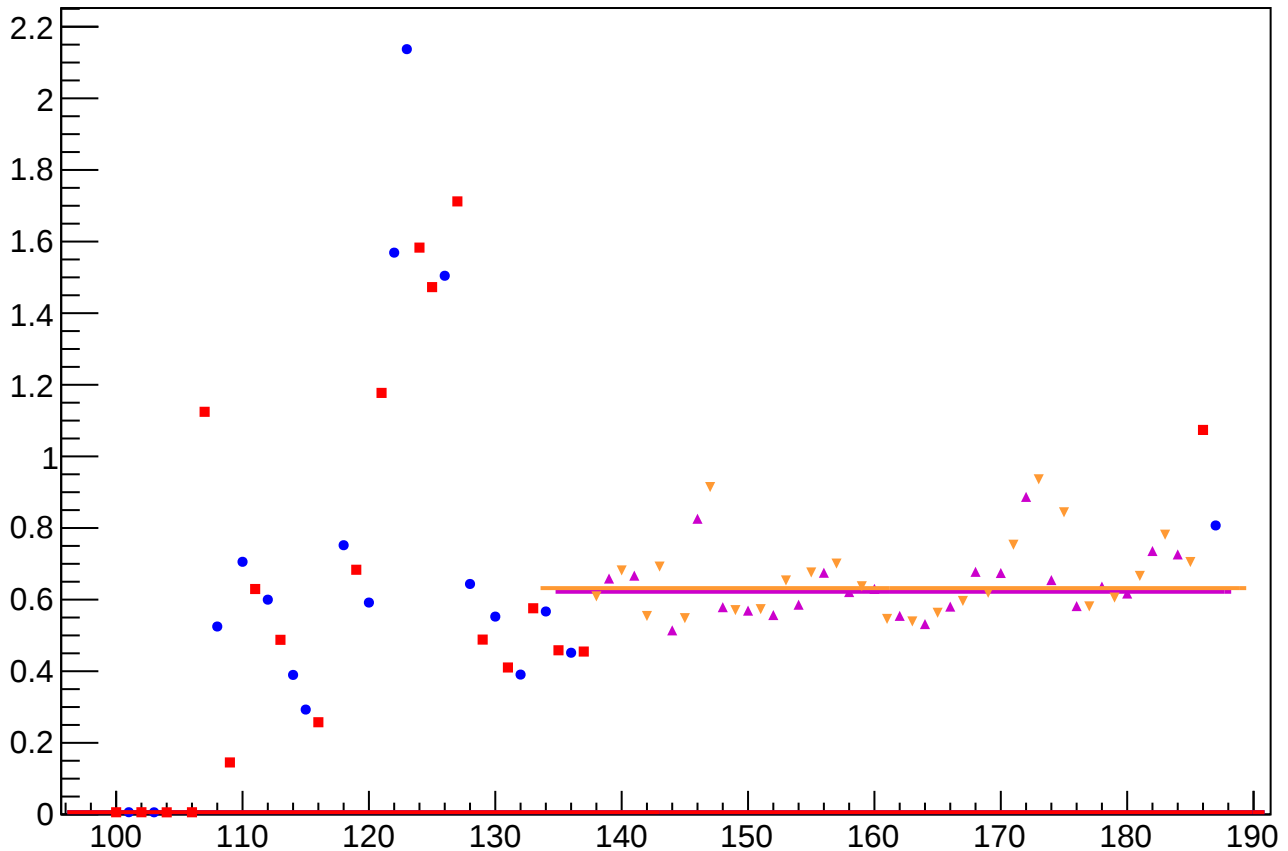
yield_cav4bQ_mean vs Slug



Right In: 402.956+/-0.000 χ^2/NDF : 1107914005459.9/17
 Left Out: 146.205+/-0.000 χ^2/NDF : 86658381.3/24
 Right Out: 402.796+/-0.000 χ^2/NDF : 3127606048178.3/19
 Left In: 145.773+/-0.000 χ^2/NDF : 207332354.9/22

+ sign 402.659+/-0.000 χ^2/NDF : 3479878233696.0
 All: 402.595+/-0.000 χ^2/NDF : 895512880713
 - sign 402.537+/-0.000 χ^2/NDF : 5475003890818.0

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9283712.4/17

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 9792241.8/19

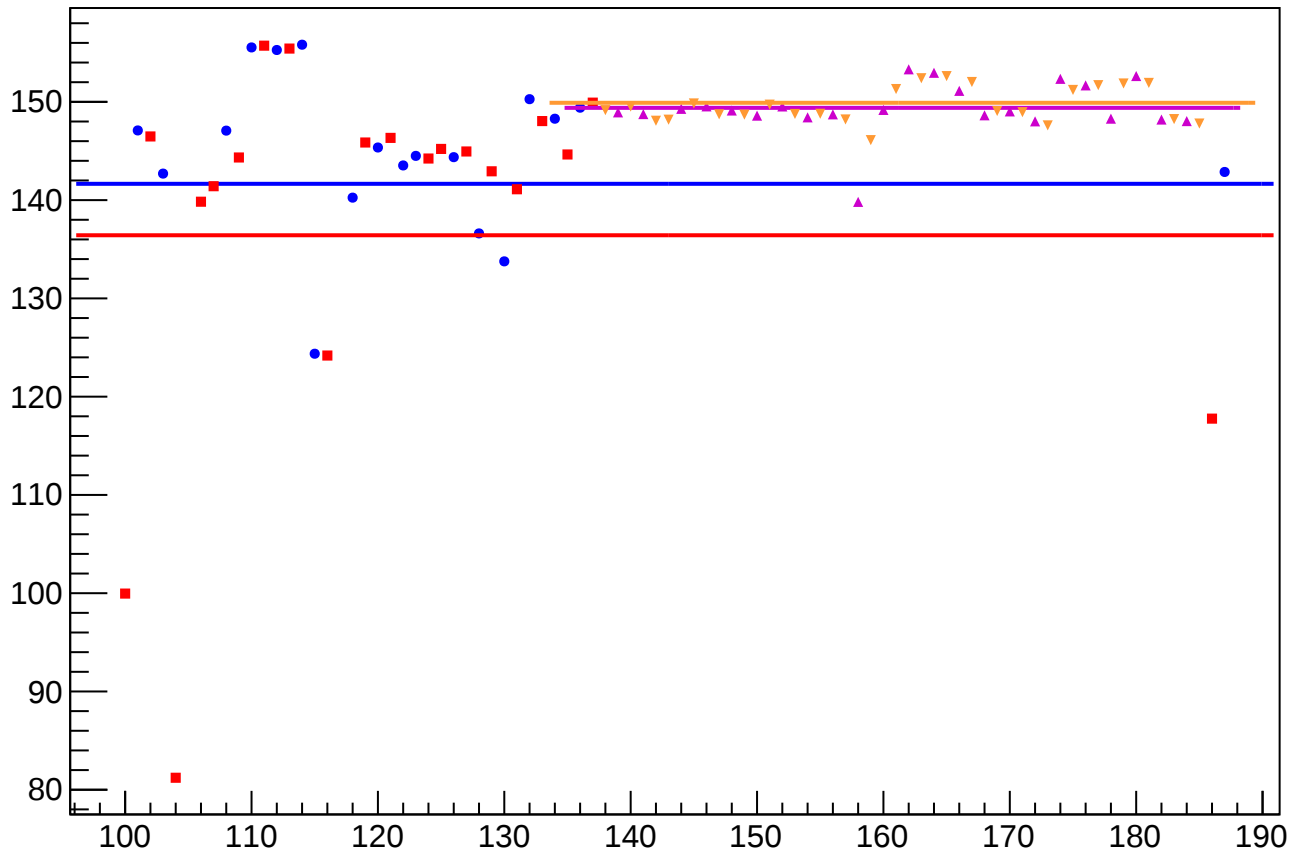
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 38076978.7/42

All: 0.007+/-0.000 χ^2/NDF : 75203984.6/85

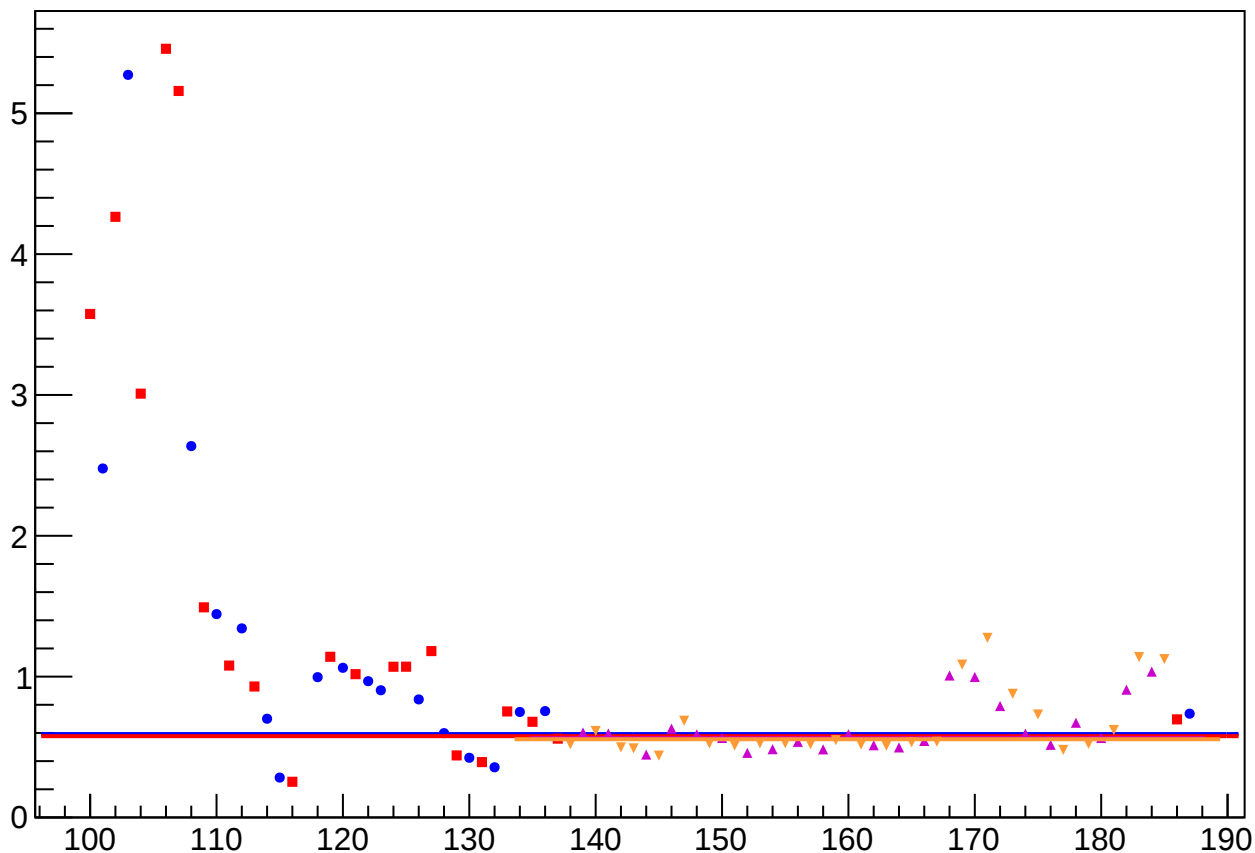
- sign 0.007+/-0.000 χ^2/NDF : 37126613.1/42

yield_cav4cQ_mean vs Slug



Right In: 141.660 $\pm$ 0.000	χ^2 /NDF: 977777566.4/17	+ sign 148.514 $\pm$ 0.000	χ^2 /NDF: 1725728701.9/42
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.740 $\pm$ 0.000	χ^2 /NDF: 5306725577.2
Right Out: 136.425 $\pm$ 0.000	χ^2 /NDF: 1552516405.5/19	- sign 146.933 $\pm$ 0.000	χ^2 /NDF: 3506110924.5/42
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3482435.2/17

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773380.1/24

Right Out: 0.577 $\pm$ 0.000 χ^2 /NDF: 4665572.9/19

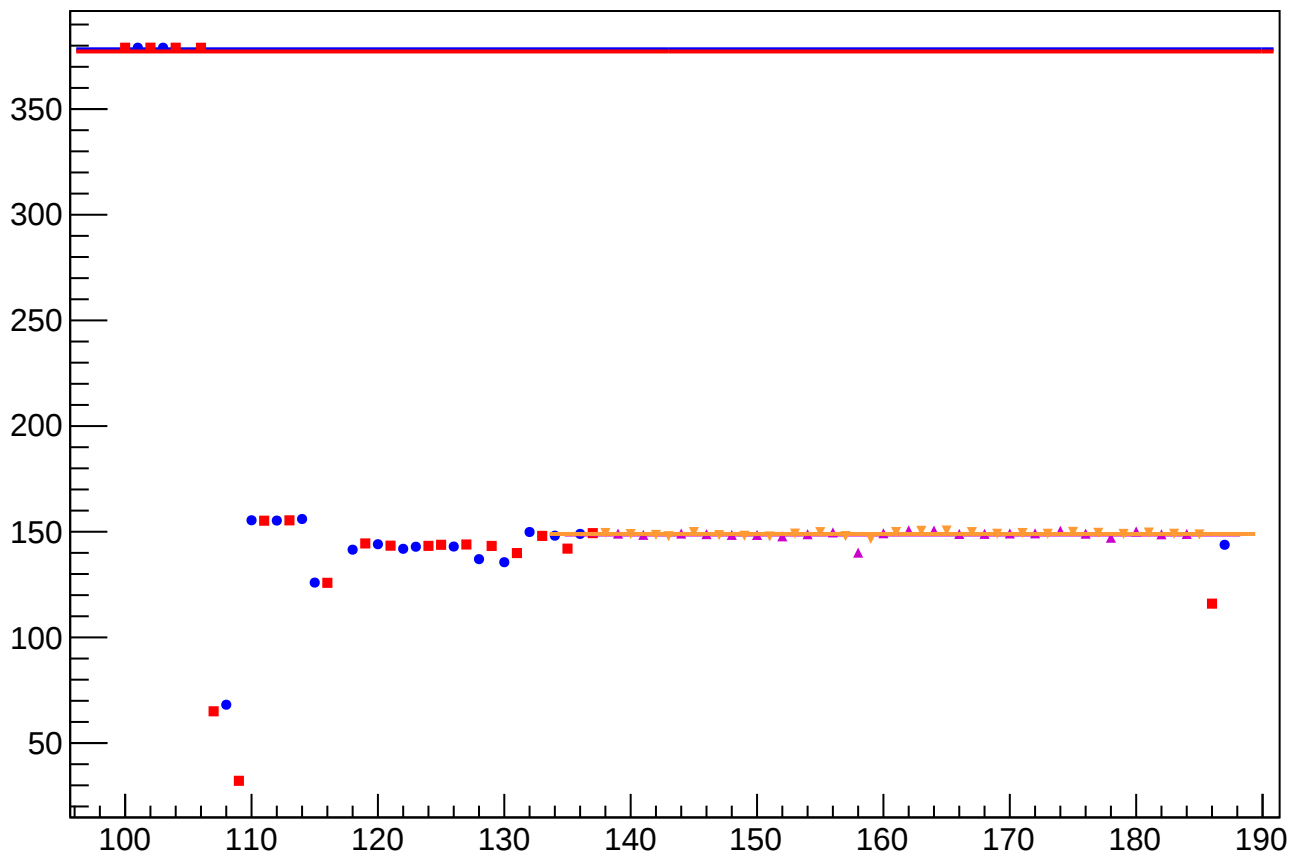
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5278886.7/42

All: 0.563 $\pm$ 0.000 χ^2 /NDF: 11260293.5/85

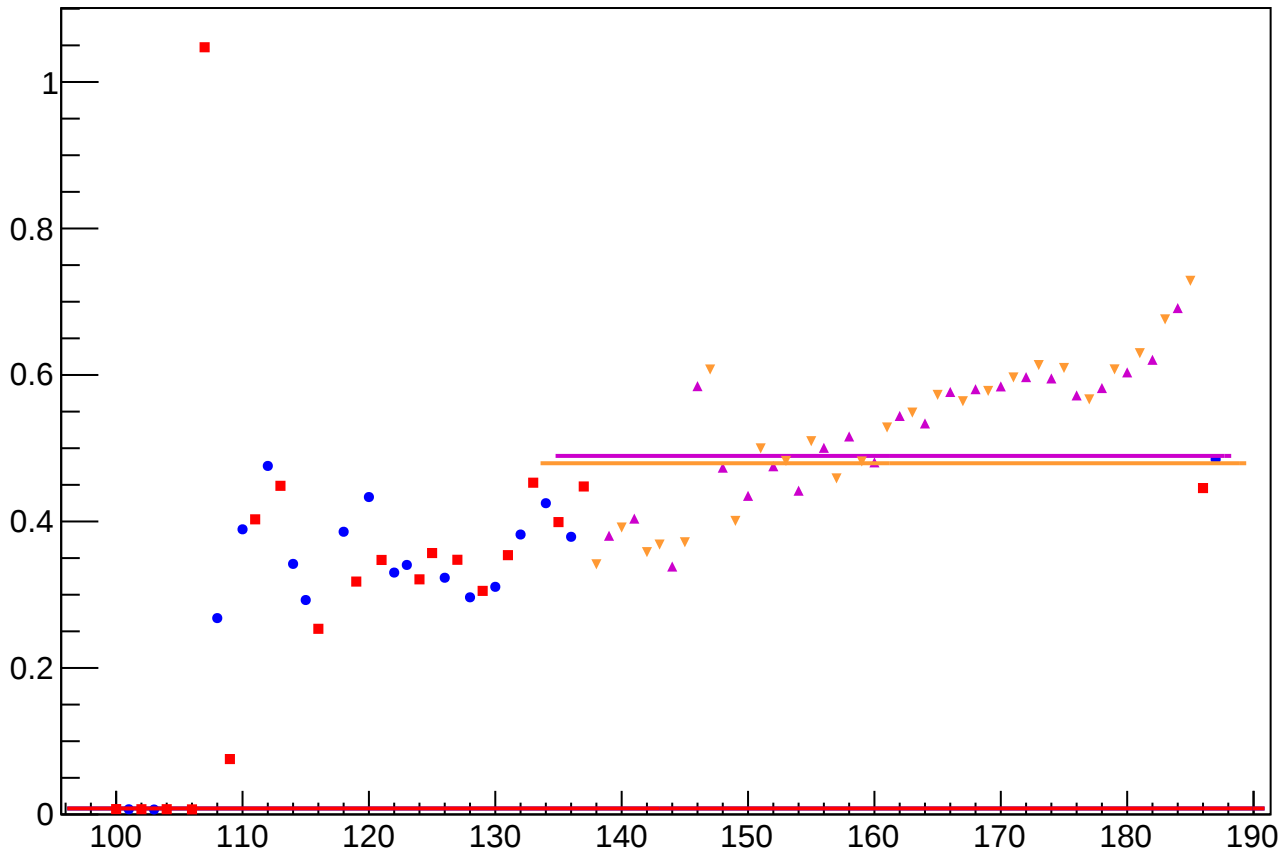
- sign 0.565 $\pm$ 0.000 χ^2 /NDF: 5980737.1/42

yield_cav4dQ_mean vs Slug



Right In: 378.279+/-0.000 χ^2/NDF : 2518641256142.4/17
 Left Out: 148.946+/-0.000 χ^2/NDF : 63974844.7/24
 Right Out: 377.256+/-0.000 χ^2/NDF : 8408997383265.7/19
 Left In: 148.683+/-0.000 χ^2/NDF : 253848207.3/22

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 10035070.1/17

Left Out: 0.479+/-0.000 χ^2/NDF : 1518765.9/24

Right Out: 0.008+/-0.000 χ^2/NDF : 10179961.6/19

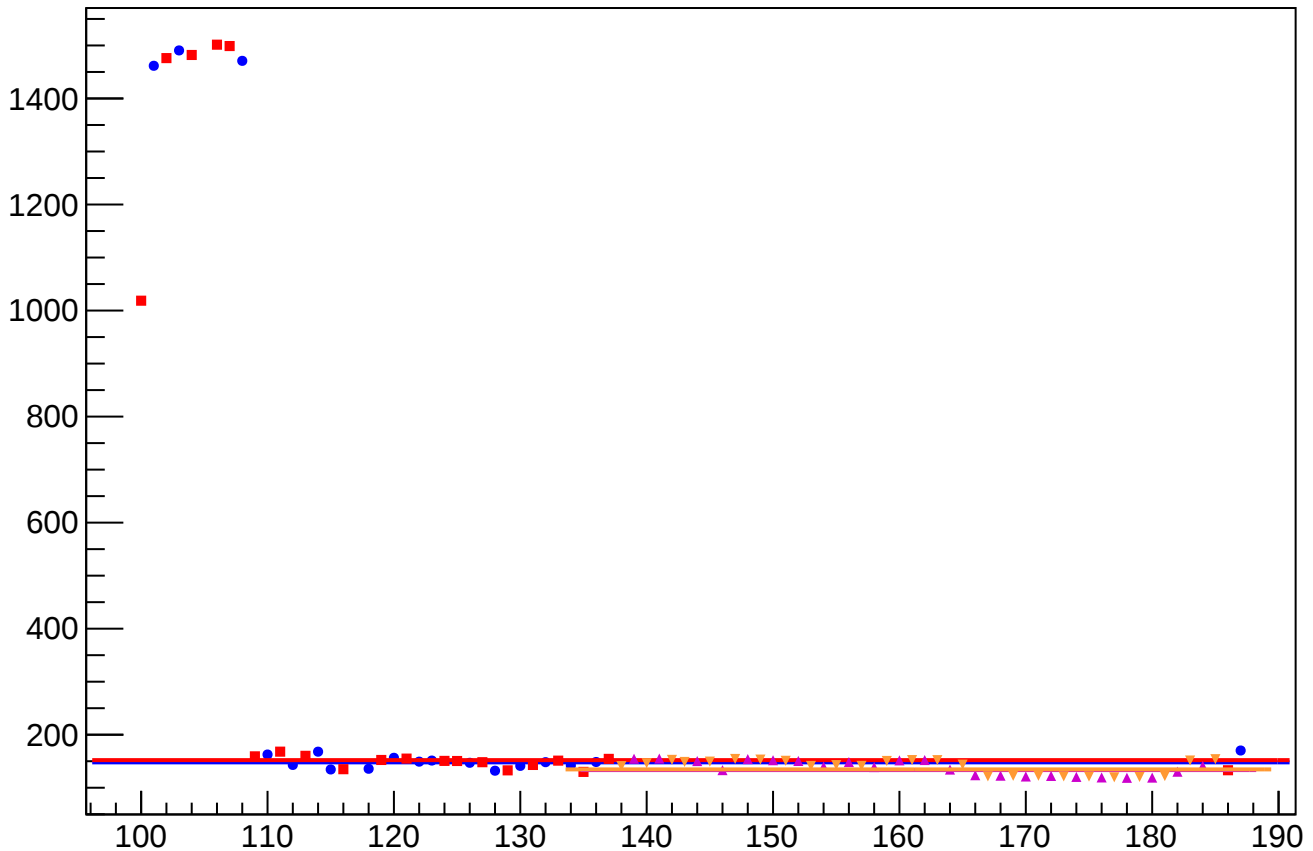
Left In: 0.490+/-0.000 χ^2/NDF : 1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 44632059.7/42

All: 0.011+/-0.000 χ^2/NDF : 87688762.5/85

- sign 0.010+/-0.000 χ^2/NDF : 43054420.3/42

yield_bcm0l02_mean vs Slug



Right In: 147.860+/-0.000 χ^2/NDF : 24476921289.8/17

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 152.072+/-0.000 χ^2/NDF : 33958775492.2/19

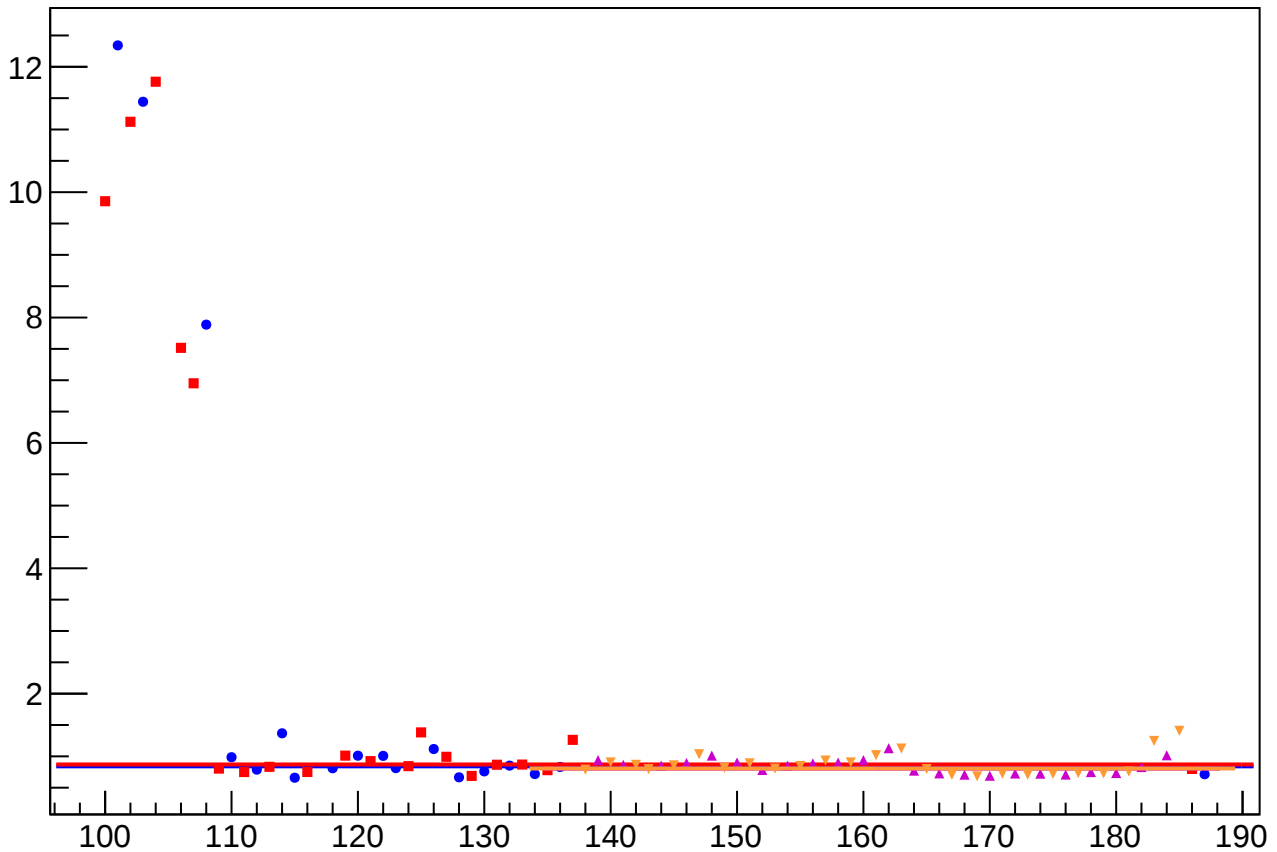
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 137.079+/-0.000 χ^2/NDF : 29650482316.2/42

All: 137.069+/-0.000 χ^2/NDF : 69576318121.1

- sign 137.058+/-0.000 χ^2/NDF : 39925829085.9/42

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2676063.9/17

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.870 ± 0.000 χ^2/NDF : 2833593.7/19

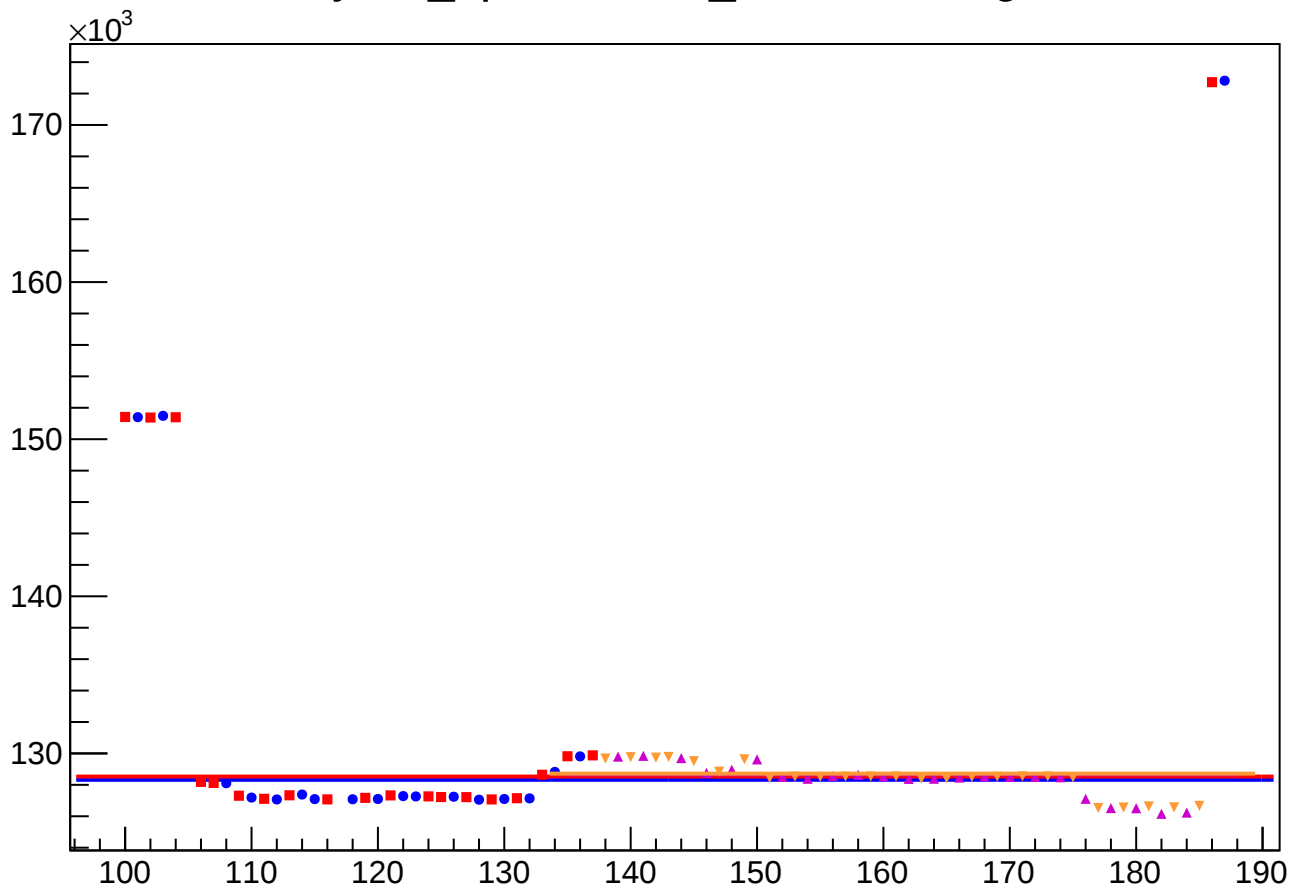
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.813 ± 0.000 χ^2/NDF : 3390537.4/42

All: 0.815 ± 0.000 χ^2/NDF : 6744097.6/85

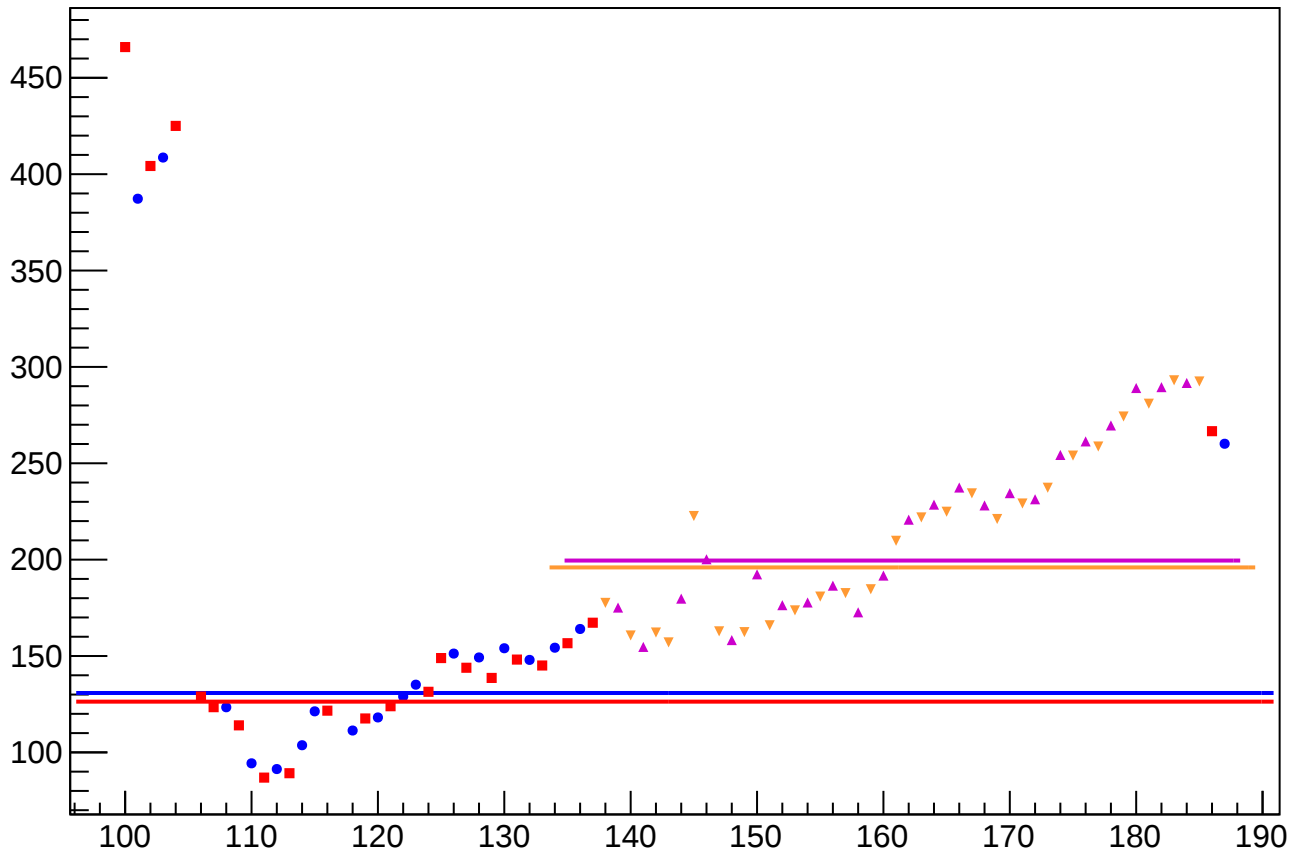
- sign 0.818 ± 0.000 χ^2/NDF : 3352941.4/42

yield_bpm2i01WS_mean vs Slug



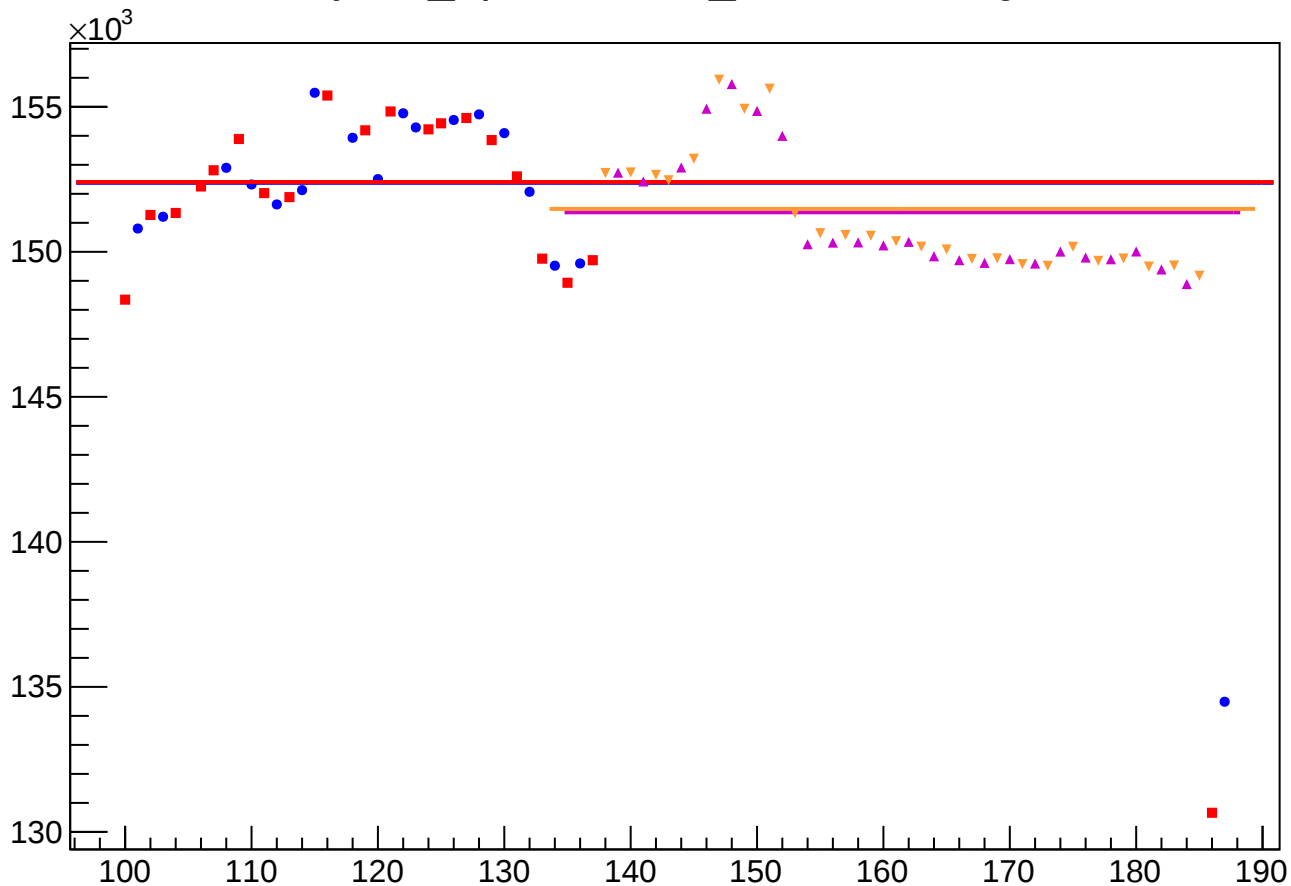
Right In: 128321.933 $\pm$ 0.054 χ^2 /NDF: 8754096079.9/17
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 128527.021 $\pm$ 0.050 χ^2 /NDF: 14341548187.9/19
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22
 + sign 128547.915 $\pm$ 0.035 χ^2 /NDF: 9132255962.4
 All: 128574.468 $\pm$ 0.025 χ^2 /NDF: 238139748
 - sign 128600.311 $\pm$ 0.035 χ^2 /NDF: 14680610378.0

yield_bpm2i01WS_rms vs Slug



Right In: 130.816 $\pm$ 0.039	χ^2 /NDF: 1559062.0/17	+ sign 168.386 $\pm$ 0.025	χ^2 /NDF: 4526173.3/42
Left Out: 195.964 $\pm$ 0.033	χ^2 /NDF: 1316091.7/24	All: 166.074 $\pm$ 0.018	χ^2 /NDF: 9649639.4/85
Right Out: 126.322 $\pm$ 0.035	χ^2 /NDF: 1738914.2/19	- sign 163.824 $\pm$ 0.025	χ^2 /NDF: 5106654.1/42
Left In: 199.531 $\pm$ 0.035	χ^2 /NDF: 1175342.5/22		

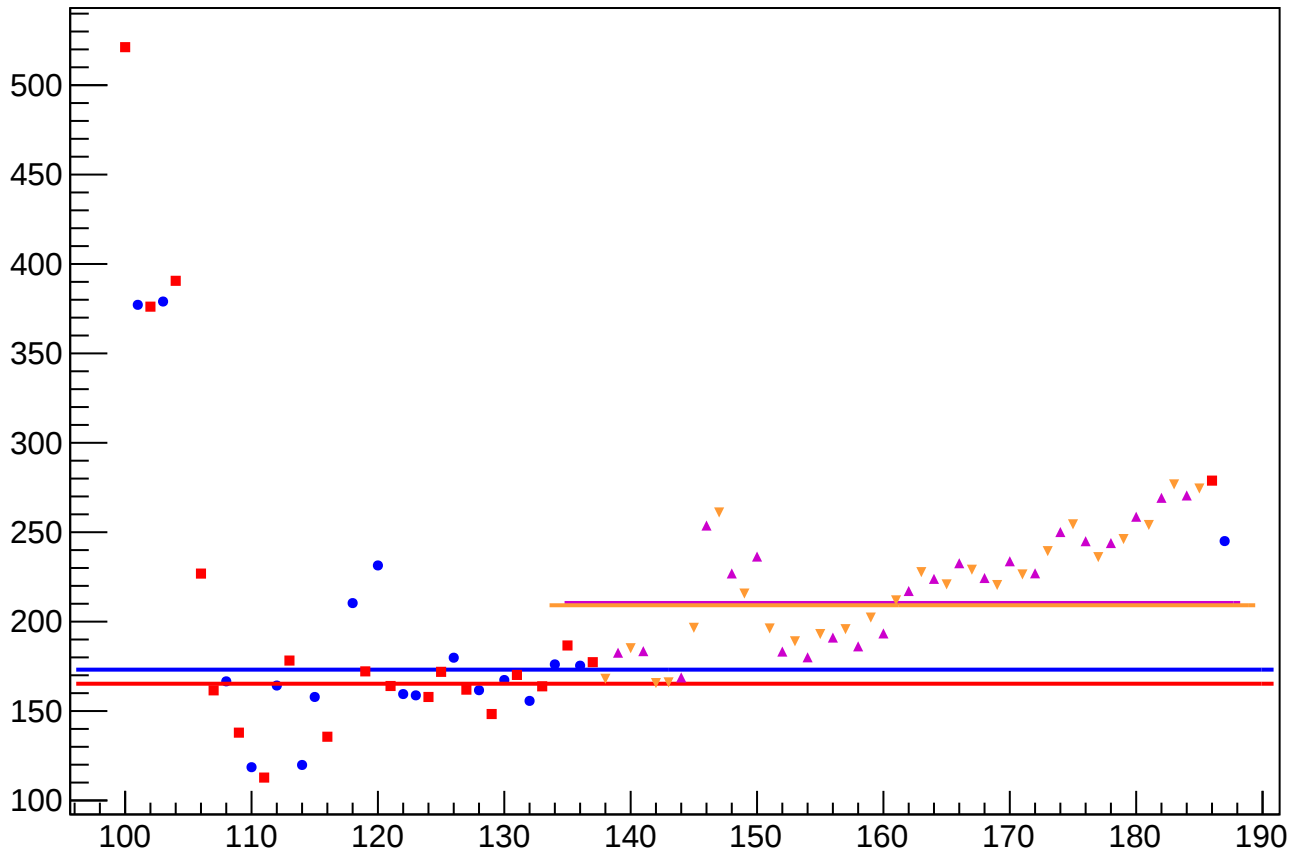
yield_bpm0i07WS_mean vs Slug



Right In: 152379.768 ± 0.072 $\chi^2/\text{NDF}: 1396075849.7/17$
 Left Out: 151480.339 ± 0.049 $\chi^2/\text{NDF}: 1483692735.3/24$
 Right Out: 152406.612 ± 0.066 $\chi^2/\text{NDF}: 3076155223.3/19$
 Left In: 151362.440 ± 0.051 $\chi^2/\text{NDF}: 1426782789.9/22$

+ sign 151769.189 ± 0.041 $\chi^2/\text{NDF}: 2985919060.3/17$
 All: 151763.804 ± 0.029 $\chi^2/\text{NDF}: 764651638.0/17$
 - sign 151758.526 ± 0.040 $\chi^2/\text{NDF}: 4660562760.2/17$

yield_bpm0i07WS_rms vs Slug



Right In: 173.149 $\pm$ 0.051 χ^2 /NDF: 950752.9/17

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 165.276 $\pm$ 0.046 χ^2 /NDF: 1159880.0/19

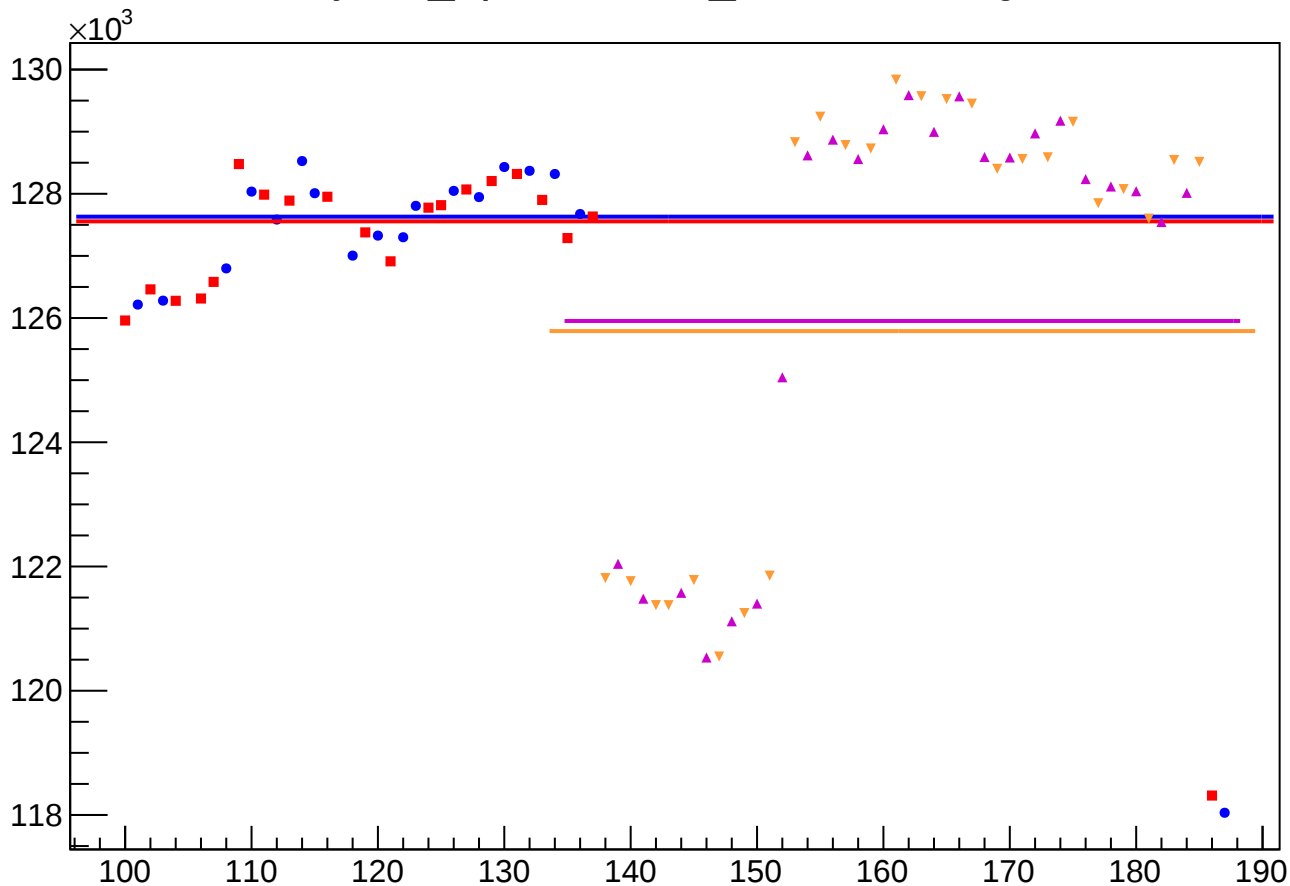
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 197.592 $\pm$ 0.029 χ^2 /NDF: 2001079.4/42

All: 195.426 $\pm$ 0.020 χ^2 /NDF: 4445696.8/85

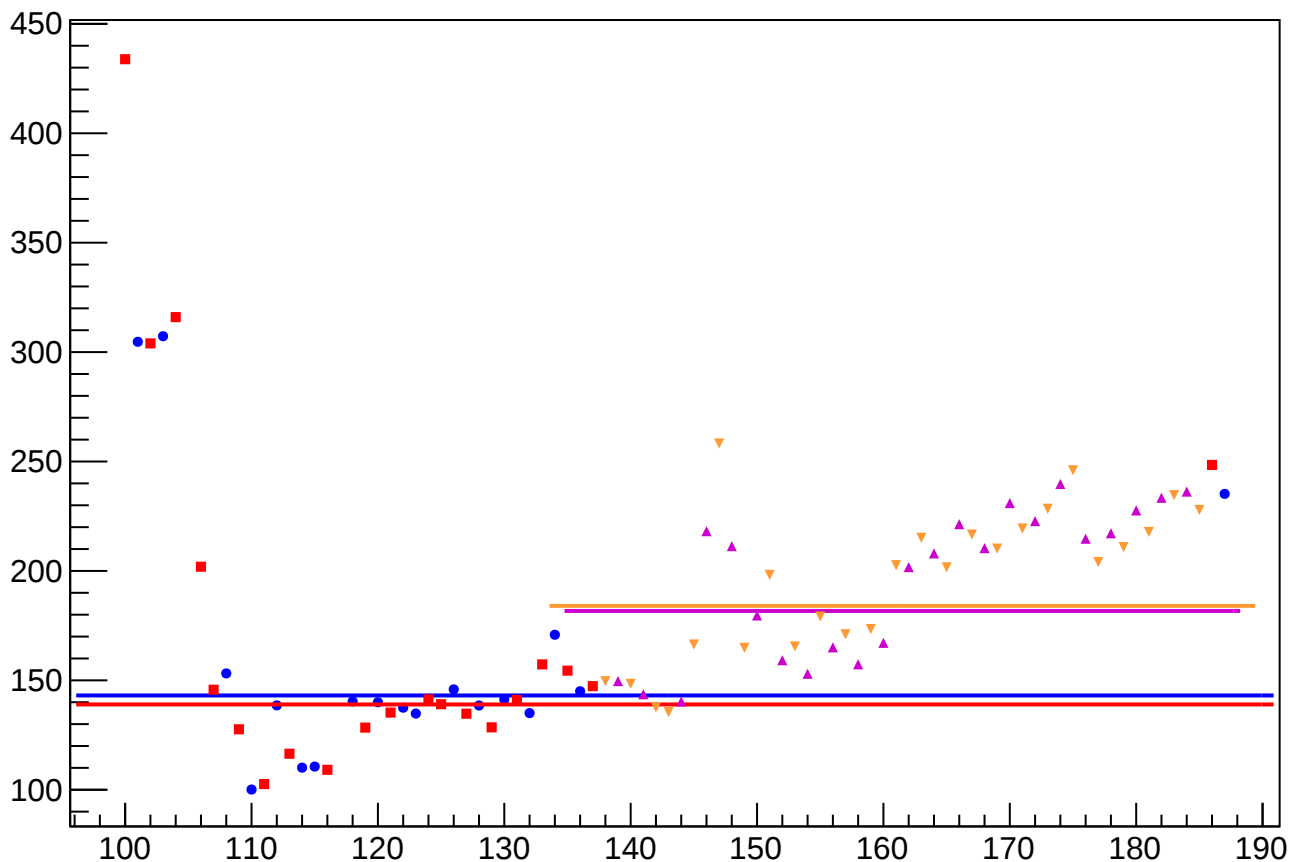
- sign 193.302 $\pm$ 0.029 χ^2 /NDF: 2433429.3/42

yield_bpm0l01WS_mean vs Slug



Right In: 127631.416 $\pm$ 0.058	χ^2 /NDF: 335402909.0/17	+ sign 126459.705 $\pm$ 0.035	χ^2 /NDF: 7717663465.9
Left Out: 125790.126 $\pm$ 0.044	χ^2 /NDF: 6744310079.8/24	All: 126532.718 $\pm$ 0.025	χ^2 /NDF: 147363067
Right Out: 127556.176 $\pm$ 0.054	χ^2 /NDF: 645224567.4/19	- sign 126603.098 $\pm$ 0.034	χ^2 /NDF: 7010130197.7
Left In: 125952.447 $\pm$ 0.045	χ^2 /NDF: 5841800367.5/22		

yield_bpm0l01WS_rms vs Slug



Right In: 143.095 $\pm$ 0.041 χ^2 /NDF: 880782.1/17

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 138.983 $\pm$ 0.038 χ^2 /NDF: 1106282.7/19

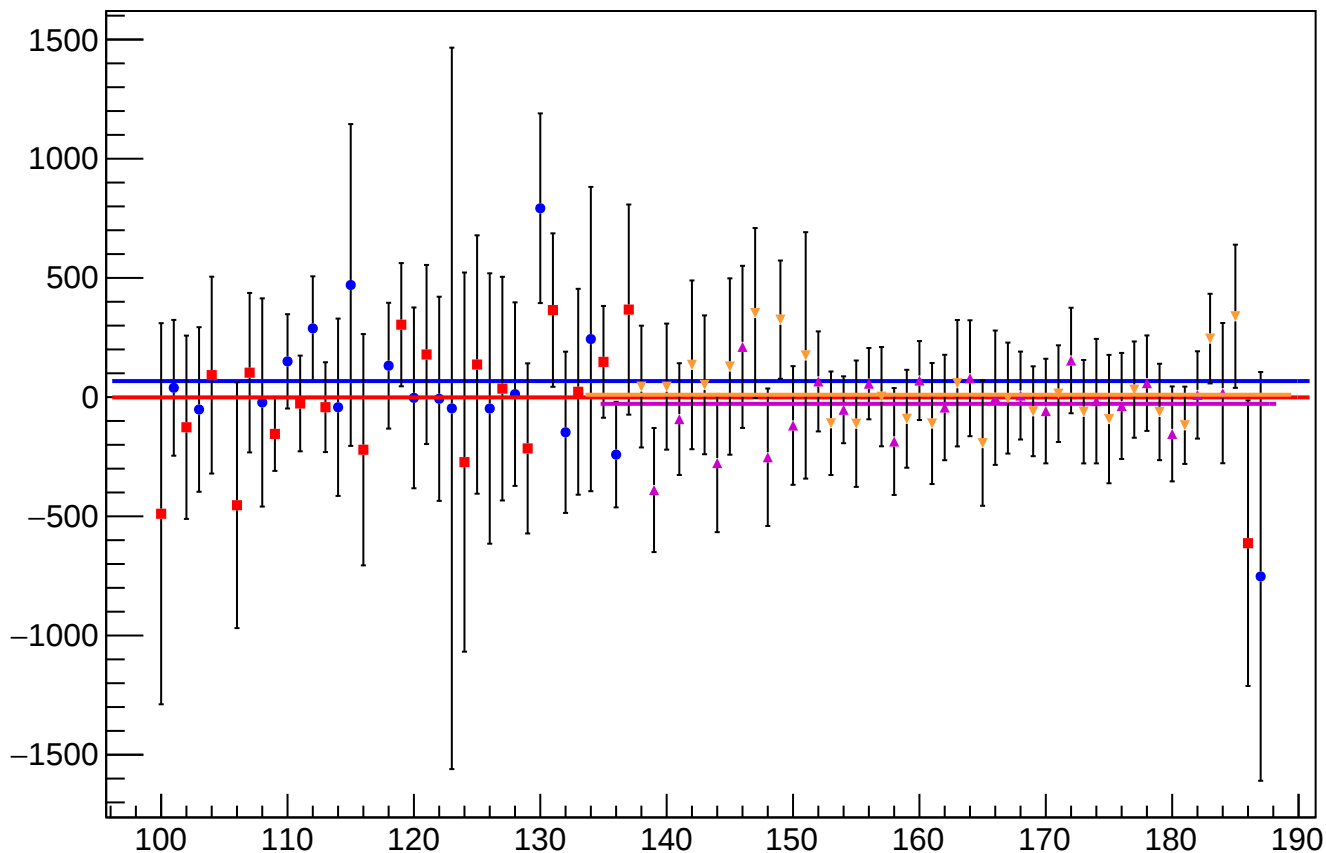
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 169.144 $\pm$ 0.025 χ^2 /NDF: 2637952.4/42

All: 166.717 $\pm$ 0.017 χ^2 /NDF: 5621924.1/85

- sign 164.378 $\pm$ 0.024 χ^2 /NDF: 2965161.5/42

asym_bcm_an_ds_mean vs Slug



Right In: 67.307 ± 79.487 χ^2/NDF : 8.7/17

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: -1.048 ± 69.635 χ^2/NDF : 8.2/19

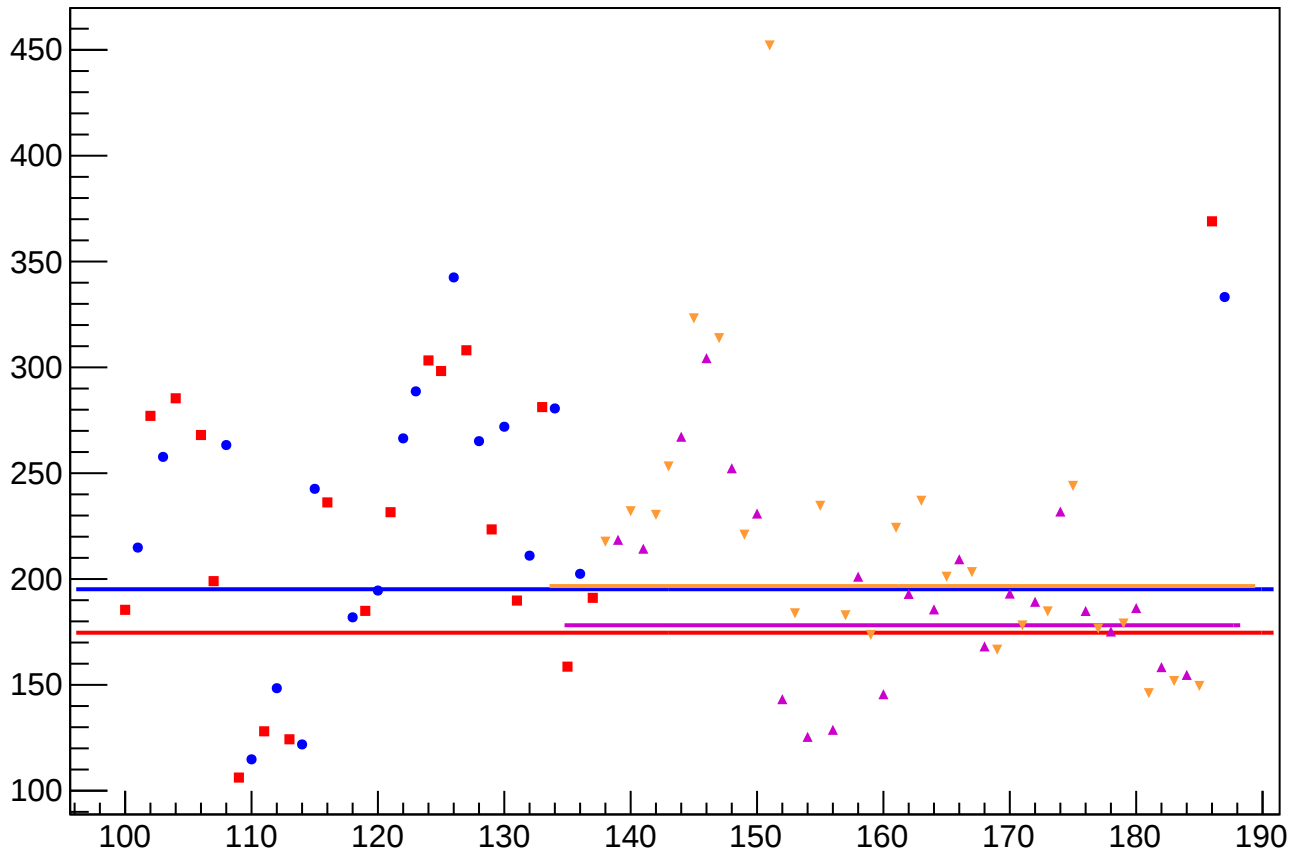
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign 25.131 ± 40.767 χ^2/NDF : 17.5/42

All: 0.600 ± 27.615 χ^2/NDF : 33.5/85

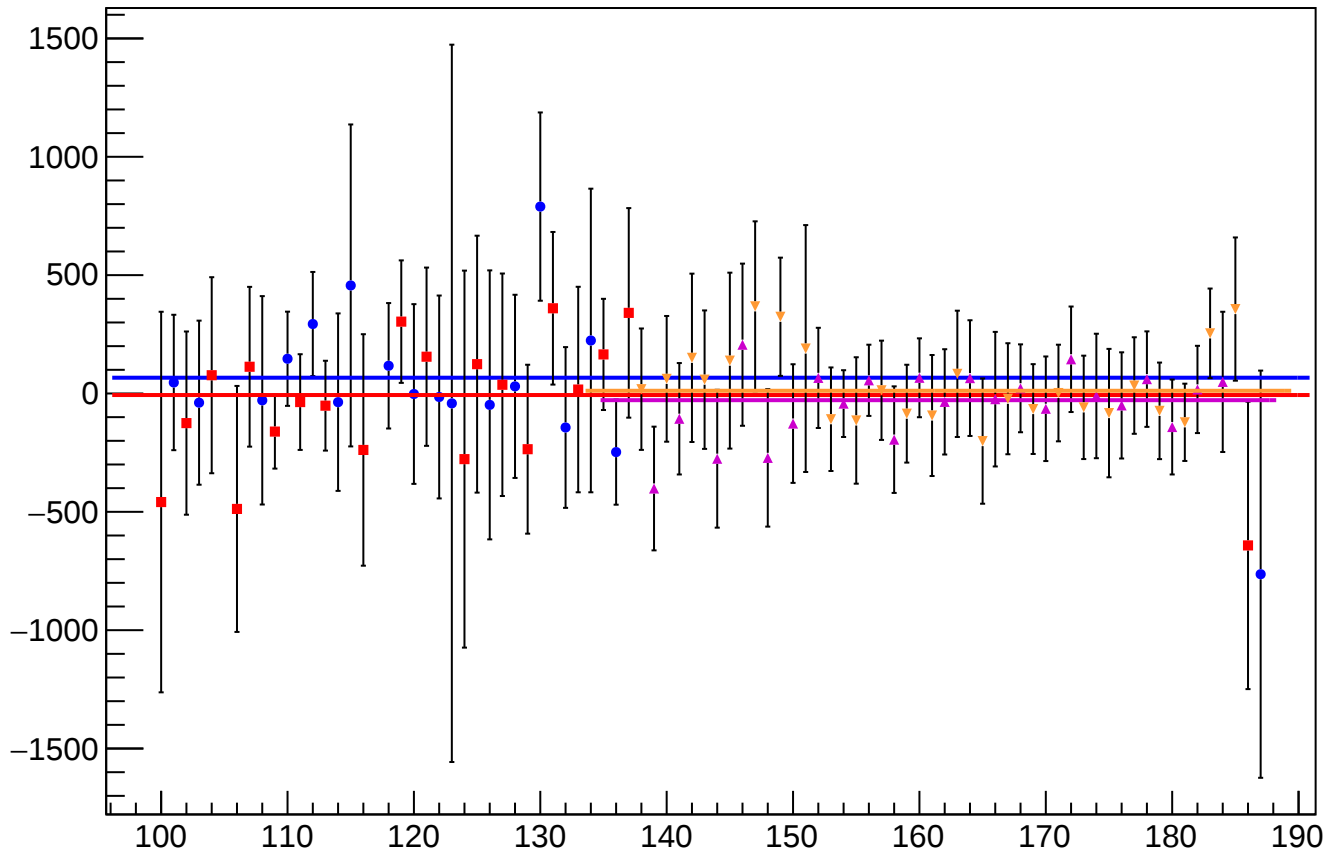
- sign -20.202 ± 37.541 χ^2/NDF : 15.3/42

asym_bcm_an_ds_rms vs Slug



Right In: 195.178 $\pm$ 0.056	χ^2 /NDF: 1071176.2/17	+ sign 196.286 $\pm$ 0.029	χ^2 /NDF: 2854419.4/42
Left Out: 196.682 $\pm$ 0.034	χ^2 /NDF: 1782715.7/24	All: 185.927 $\pm$ 0.020	χ^2 /NDF: 6503649.0/85
Right Out: 174.644 $\pm$ 0.049	χ^2 /NDF: 1787975.5/19	- sign 177.142 $\pm$ 0.027	χ^2 /NDF: 3410571.4/42
Left In: 178.166 $\pm$ 0.032	χ^2 /NDF: 1618967.9/22		

asym_bcm_an_ds3_mean vs Slug



Right In: 66.650 ± 79.874 χ^2/NDF : 8.6/17

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: -6.525 ± 70.010 χ^2/NDF : 8.5/19

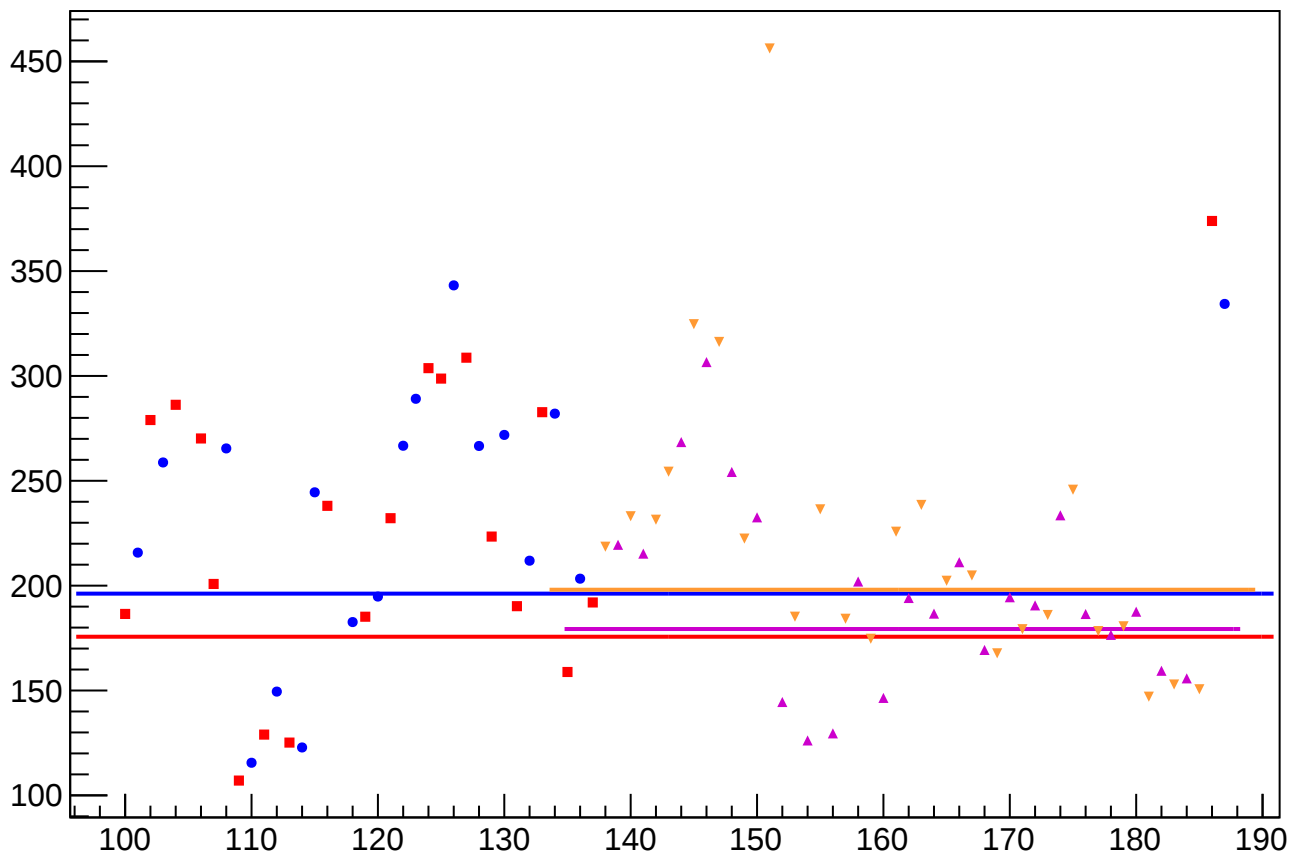
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 26.036 ± 41.029 χ^2/NDF : 17.8/42

All: 0.066 ± 27.789 χ^2/NDF : 34.2/85

- sign -21.947 ± 37.773 χ^2/NDF : 15.6/42

asym_bcm_an_ds3_rms vs Slug



Right In: 196.193 $\pm$ 0.056 χ^2 /NDF: 1062358.5/17

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF: 1778526.5/24

Right Out: 175.645 $\pm$ 0.050 χ^2 /NDF: 1778526.3/19

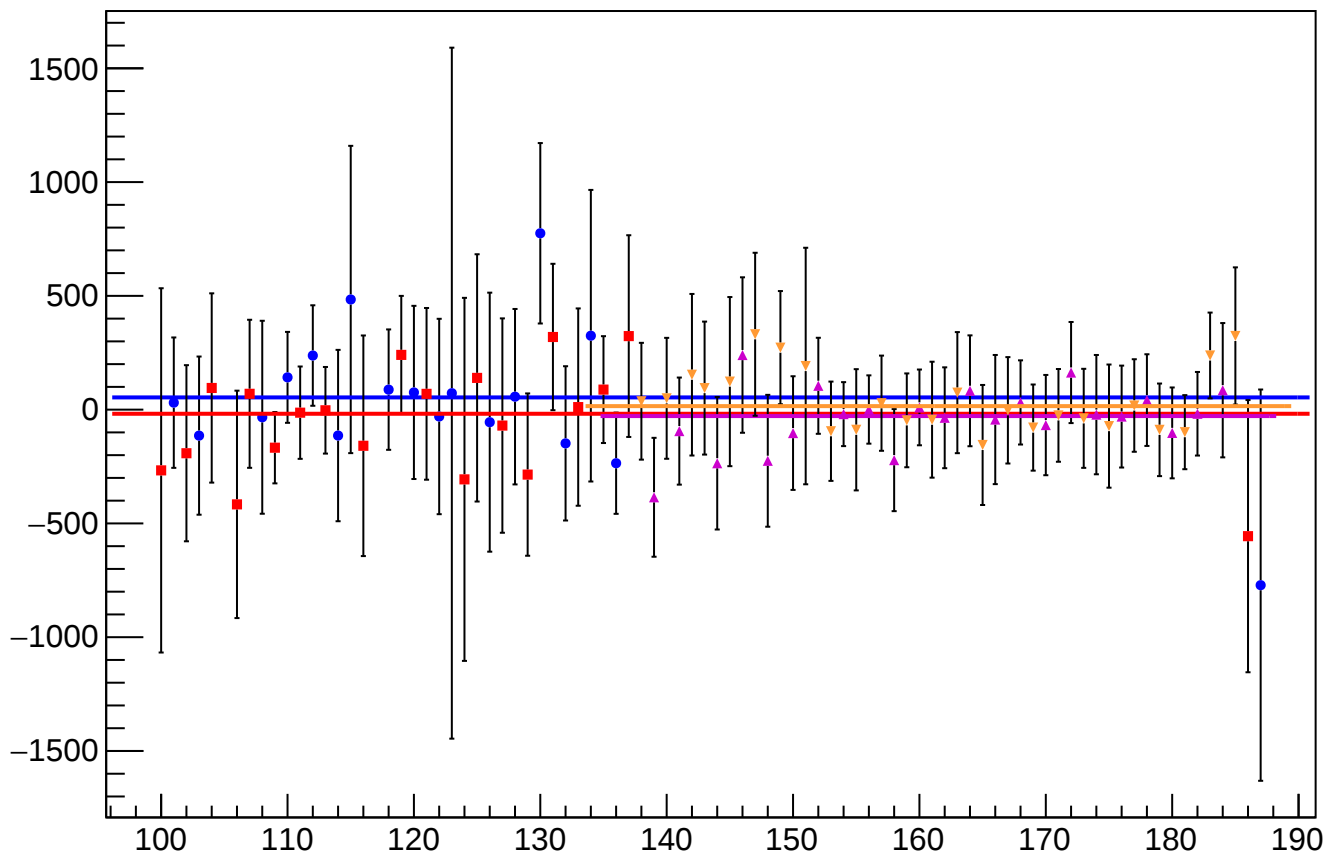
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF: 1618266.2/22

+ sign 197.567 $\pm$ 0.029 χ^2 /NDF: 2841688.6/42

All: 187.113 $\pm$ 0.020 χ^2 /NDF: 6482264.8/85

- sign 178.253 $\pm$ 0.027 χ^2 /NDF: 3400706.8/42

asym_bcm_an_us_mean vs Slug



Right In: 53.746 $\pm$ 79.869 χ^2 /NDF: 8.3/17

Left Out: 15.437 $\pm$ 47.695 χ^2 /NDF: 7.0/24

Right Out: -18.121 $\pm$ 69.919 χ^2 /NDF: 6.6/19

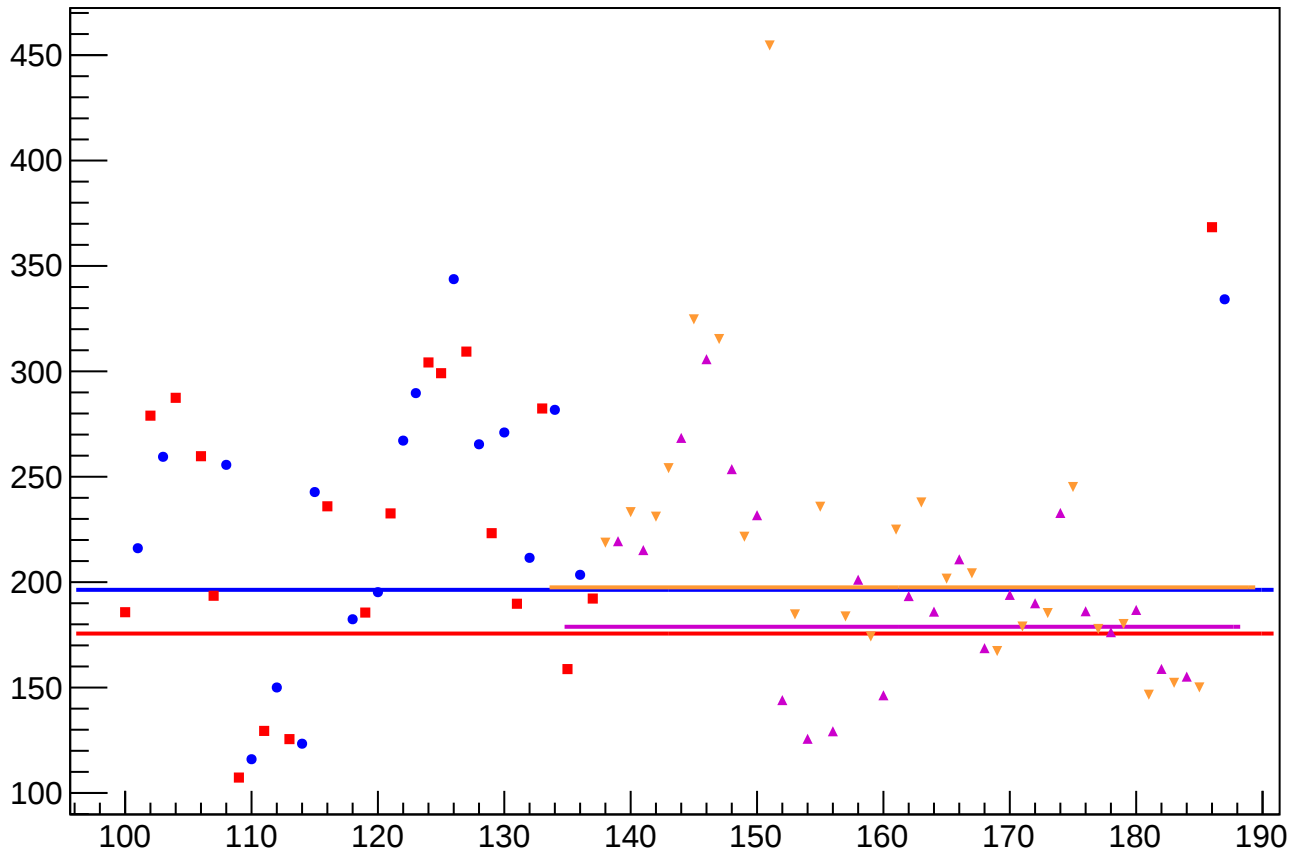
Left In: -28.277 $\pm$ 44.743 χ^2 /NDF: 6.4/22

+ sign 25.507 $\pm$ 40.949 χ^2 /NDF: 15.5/42

All: -2.014 $\pm$ 27.730 χ^2 /NDF: 29.3/85

- sign -25.326 $\pm$ 37.687 χ^2 /NDF: 13.0/42

asym_bcm_an_us_rms vs Slug



Right In: 196.356 $\pm$ 0.056 χ^2 /NDF: 1040148.1/17

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 175.618 $\pm$ 0.049 χ^2 /NDF: 1749929.7/19

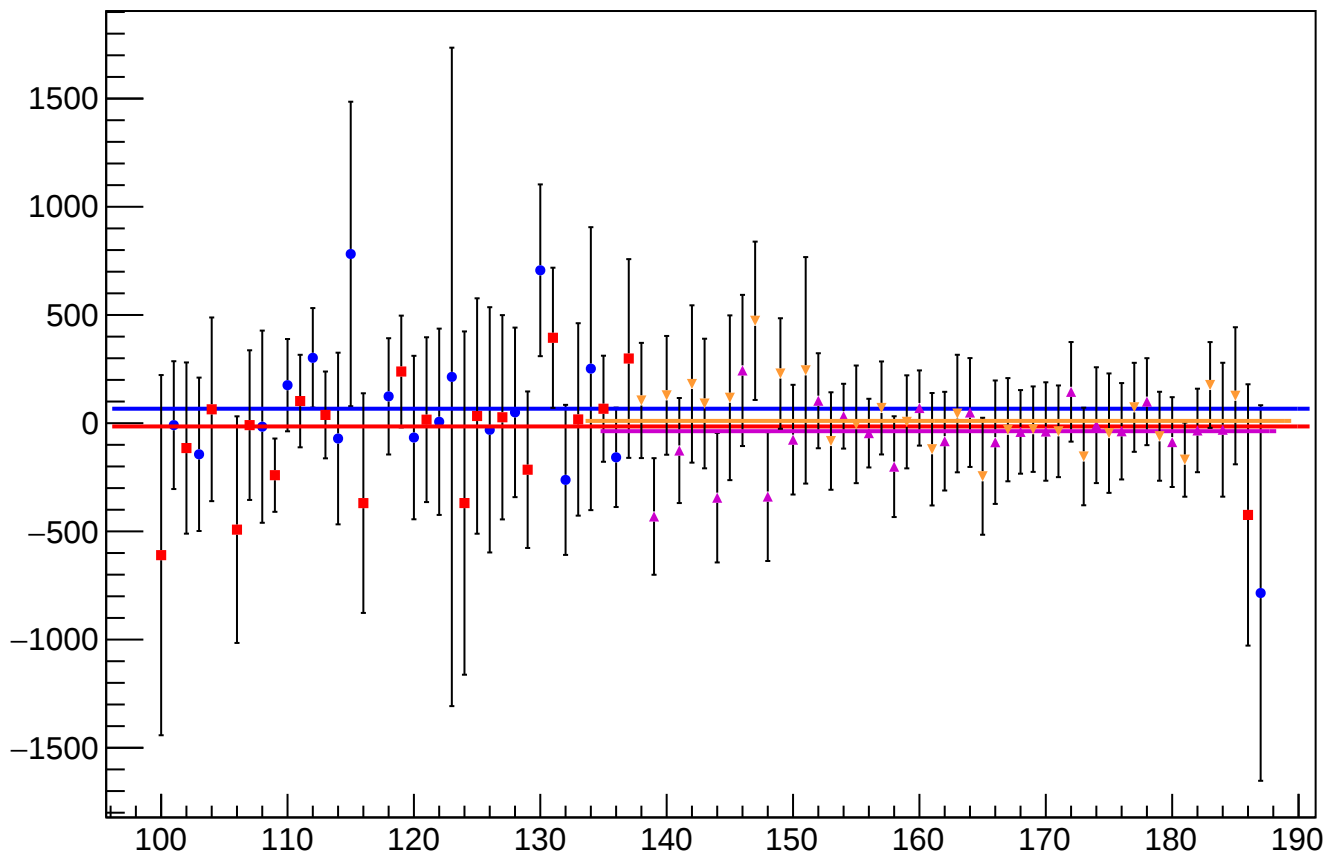
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 197.219 $\pm$ 0.029 χ^2 /NDF: 2824690.6/42

All: 186.760 $\pm$ 0.020 χ^2 /NDF: 6440891.1/85

- sign 177.901 $\pm$ 0.027 χ^2 /NDF: 3375200.9/42

asym_bcm_dg_us_mean vs Slug



Right In: 66.799 ± 82.368 χ^2/NDF : 8.6/17

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: -15.091 ± 72.818 χ^2/NDF : 8.2/19

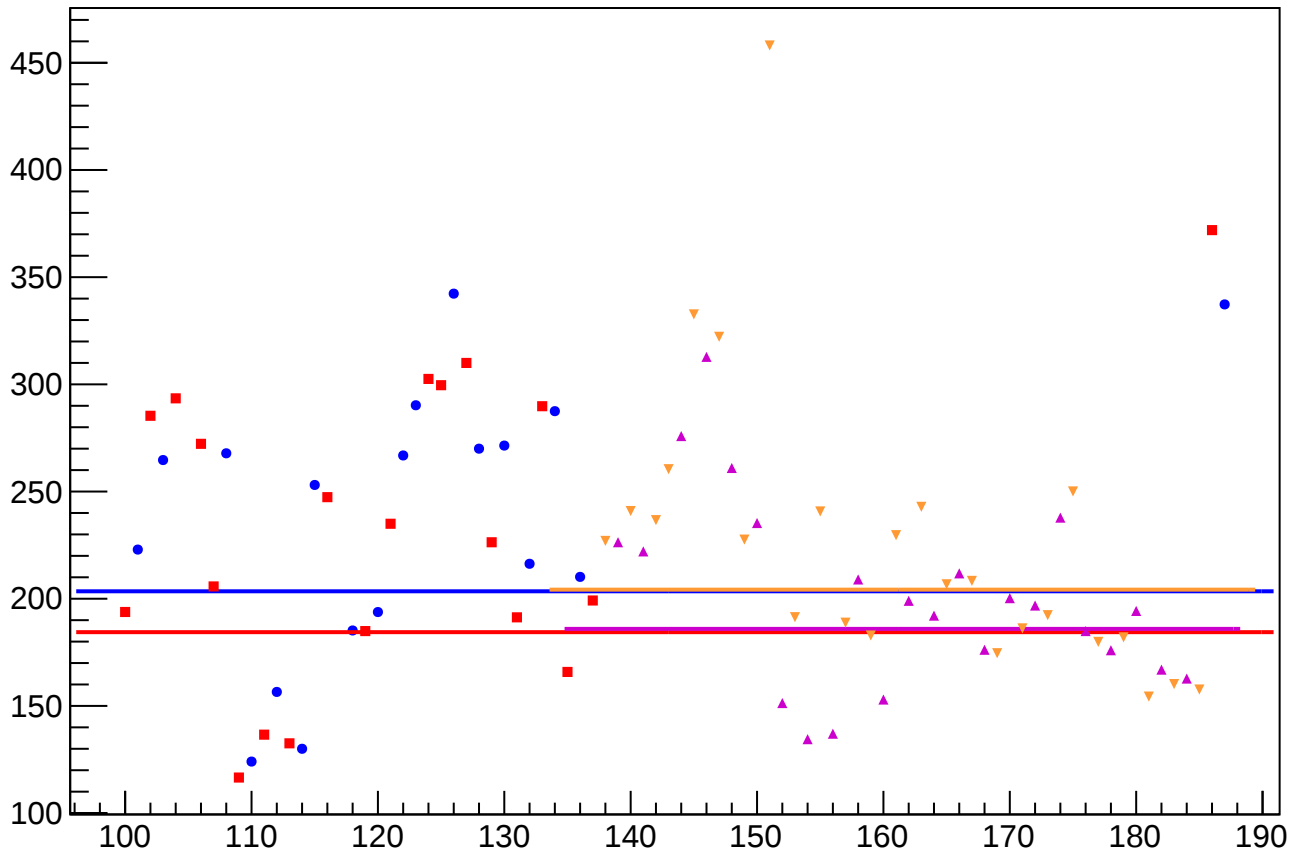
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 25.328 ± 42.236 χ^2/NDF : 16.4/42

All: -4.829 ± 28.695 χ^2/NDF : 33.5/85

- sign -30.681 ± 39.106 χ^2/NDF : 16.1/42

asym_bcm_dg_us_rms vs Slug



Right In: 203.468 $\pm$ 0.058 χ^2 /NDF: 931731.8/17

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 184.407 $\pm$ 0.051 χ^2 /NDF: 1569256.5/19

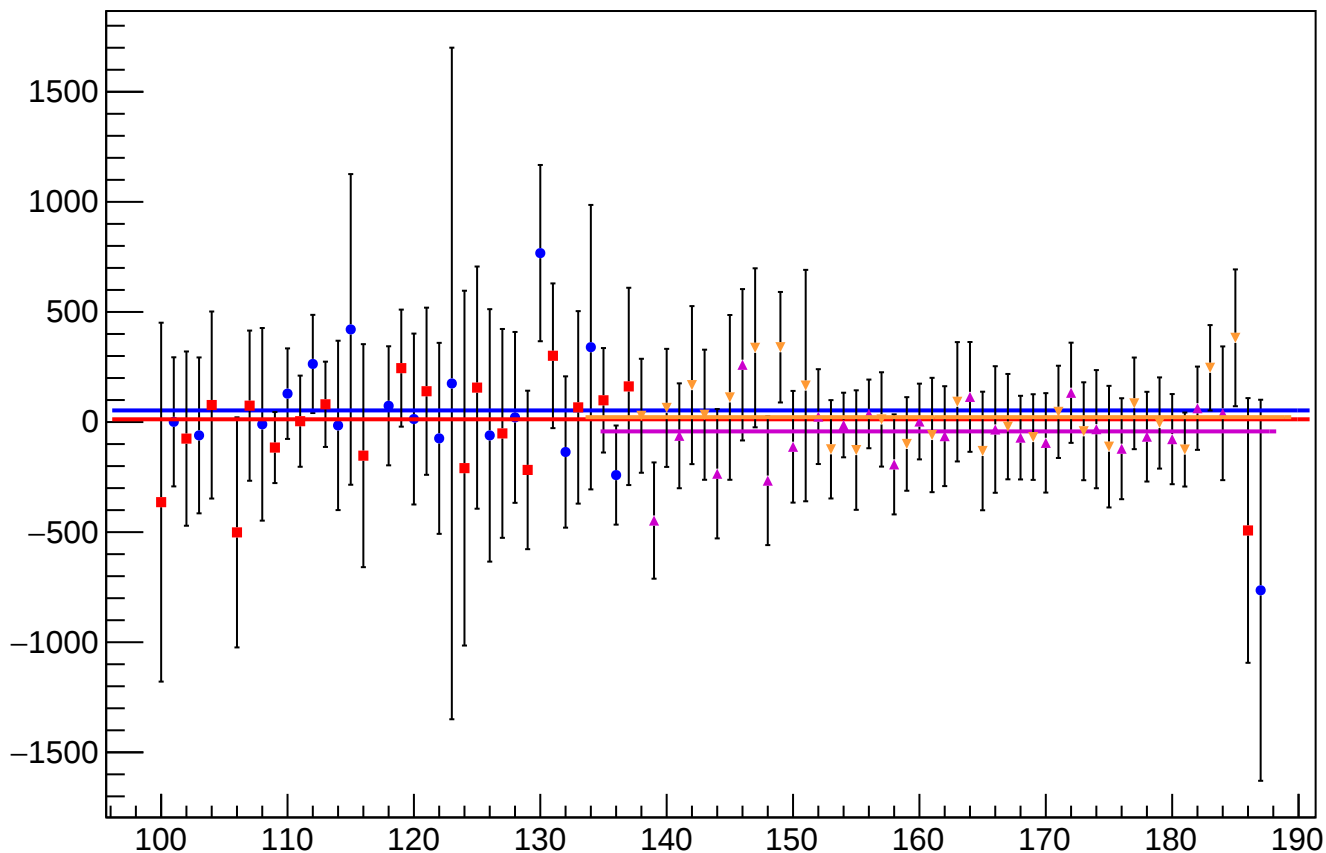
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 204.034 $\pm$ 0.030 χ^2 /NDF: 2607525.9/42

All: 194.050 $\pm$ 0.020 χ^2 /NDF: 5845010.2/85

- sign 185.492 $\pm$ 0.028 χ^2 /NDF: 3029944.9/42

asym_bcm_dg_ds_mean vs Slug



Right In: 52.845 $\pm$ 81.297 χ^2/NDF : 7.9/17

Left Out: 22.189 $\pm$ 48.738 χ^2/NDF : 8.4/24

Right Out: 12.520 $\pm$ 71.404 χ^2/NDF : 5.3/19

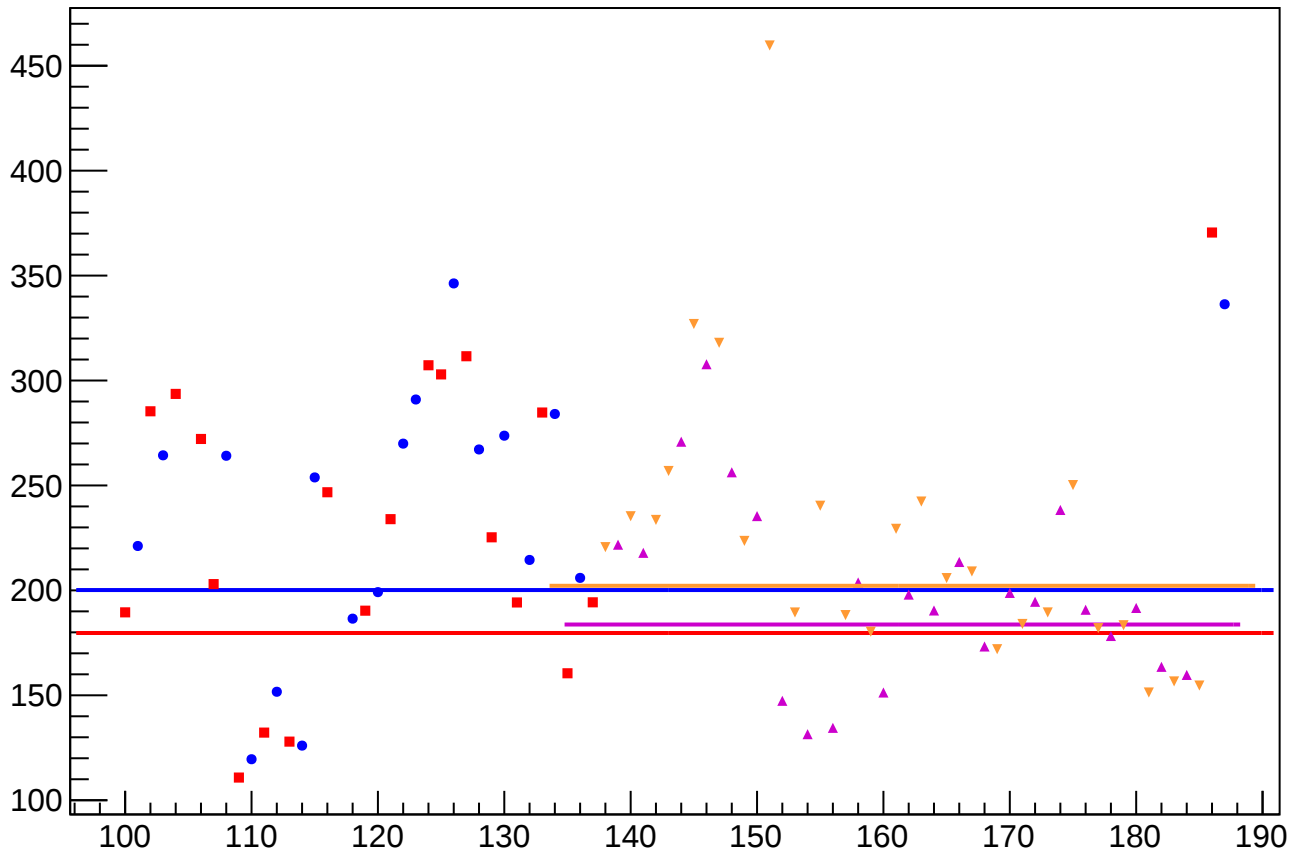
Left In: -42.446 $\pm$ 45.861 χ^2/NDF : 6.7/22

+ sign 30.294 $\pm$ 41.802 χ^2/NDF : 16.4/42

All: -0.313 $\pm$ 28.354 χ^2/NDF : 29.9/85

- sign -26.394 $\pm$ 38.587 χ^2/NDF : 12.5/42

asym_bcm_dg_ds_rms vs Slug



Right In: 200.155 $\pm$ 0.057 χ^2 /NDF: 1015753.6/17

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF:1696571.9/24

Right Out: 179.693 $\pm$ 0.050 χ^2 /NDF: 1723997.3/19

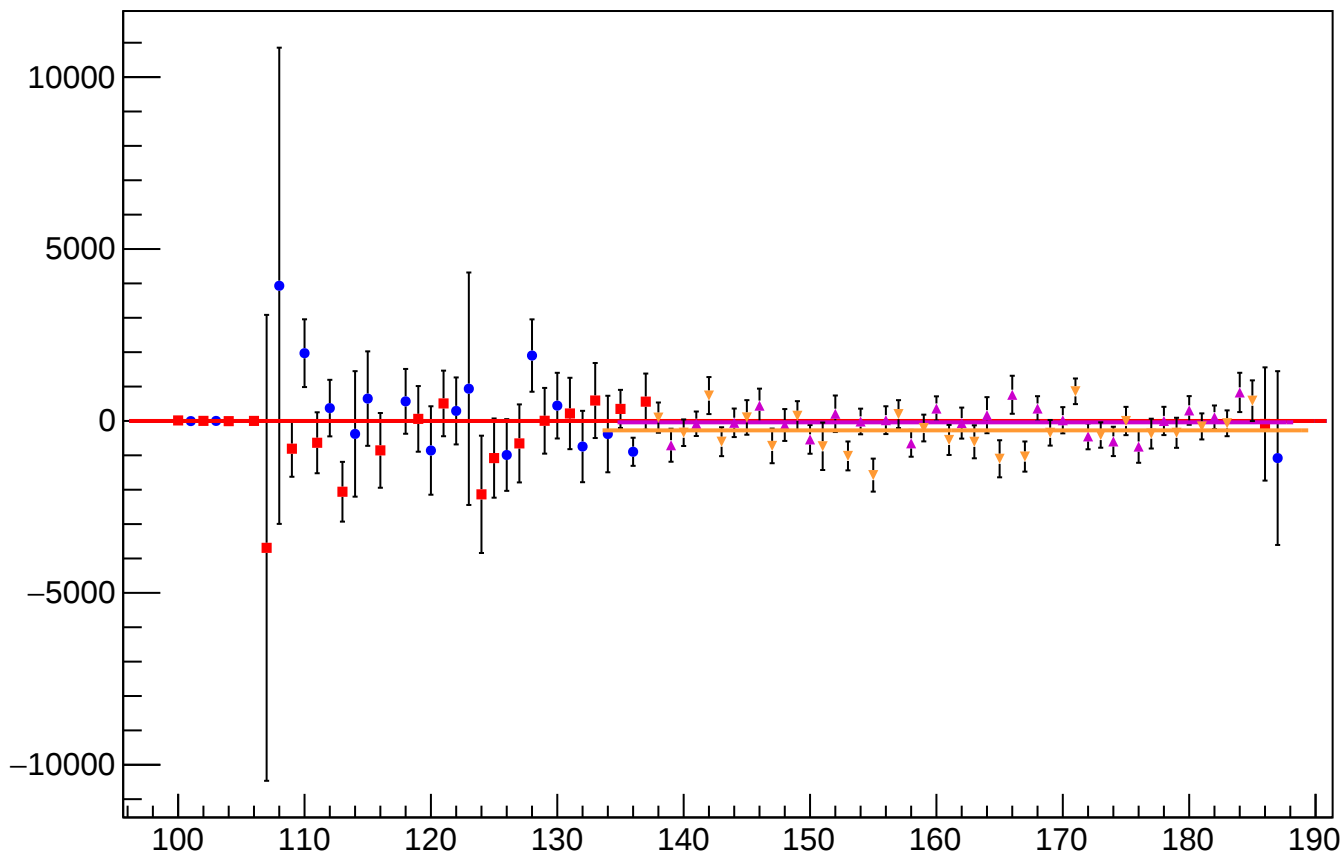
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 201.649 $\pm$ 0.030 χ^2 /NDF: 2713243.6/42

All: 191.338 $\pm$ 0.020 χ^2 /NDF: 6163067.2/85

- sign 182.553 $\pm$ 0.027 χ^2 /NDF: 3224458.7/42

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.1/17

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.2/19

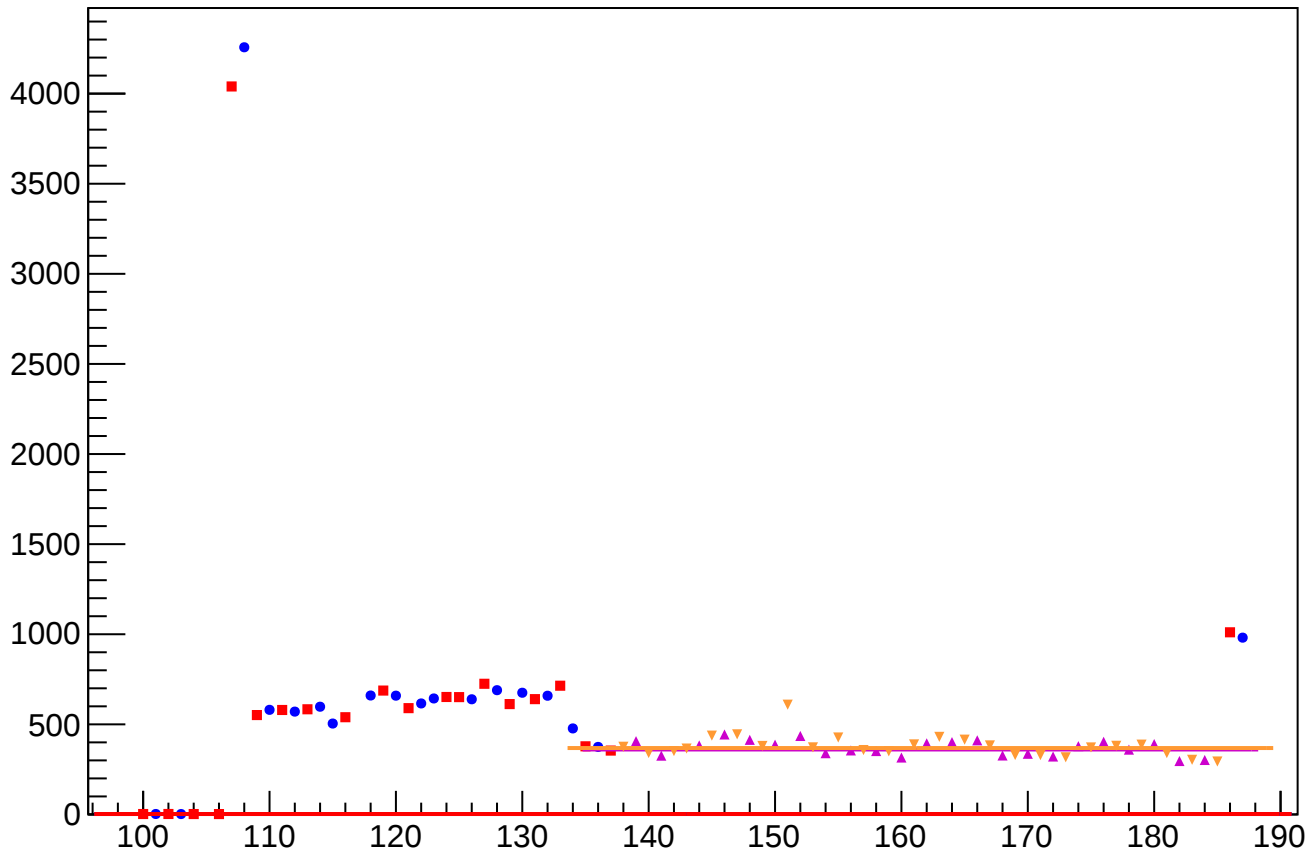
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.712 ± 2.251 χ^2/NDF : 65.2/42

All: -1.202 ± 1.540 χ^2/NDF : 103.9/85

- sign -0.754 ± 2.111 χ^2/NDF : 38.6/42

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10967067.2/17

Left Out: 368.500+/-0.061 χ^2/NDF : 623011.6/24

Right Out: 2.438+/-0.001 χ^2/NDF : 11843953.6/19

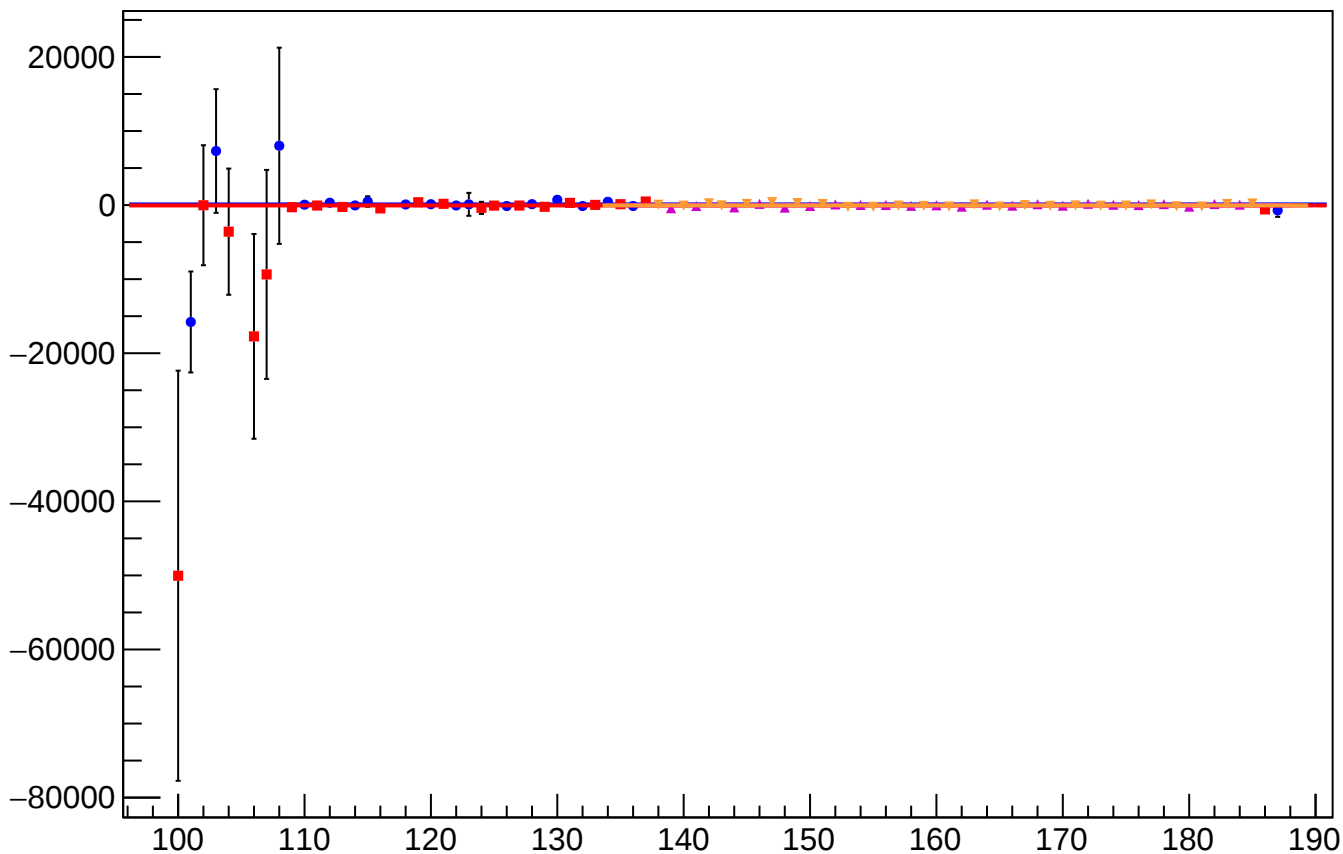
Left In: 360.571+/-0.062 χ^2/NDF : 421995.5/22

+ sign 2.702+/-0.002 χ^2/NDF : 47077220.4/42

All: 2.673+/-0.001 χ^2/NDF : 92851821.5/85

- sign 2.647+/-0.001 χ^2/NDF : 45773948.9/42

asym_cav4cQ_mean vs Slug



Right In: 90.529+/-91.526 χ^2/NDF : 12.9/17

Left Out: -39.036+/-49.576 χ^2/NDF : 9.1/24

Right Out: -48.669+/-83.759 χ^2/NDF : 14.9/19

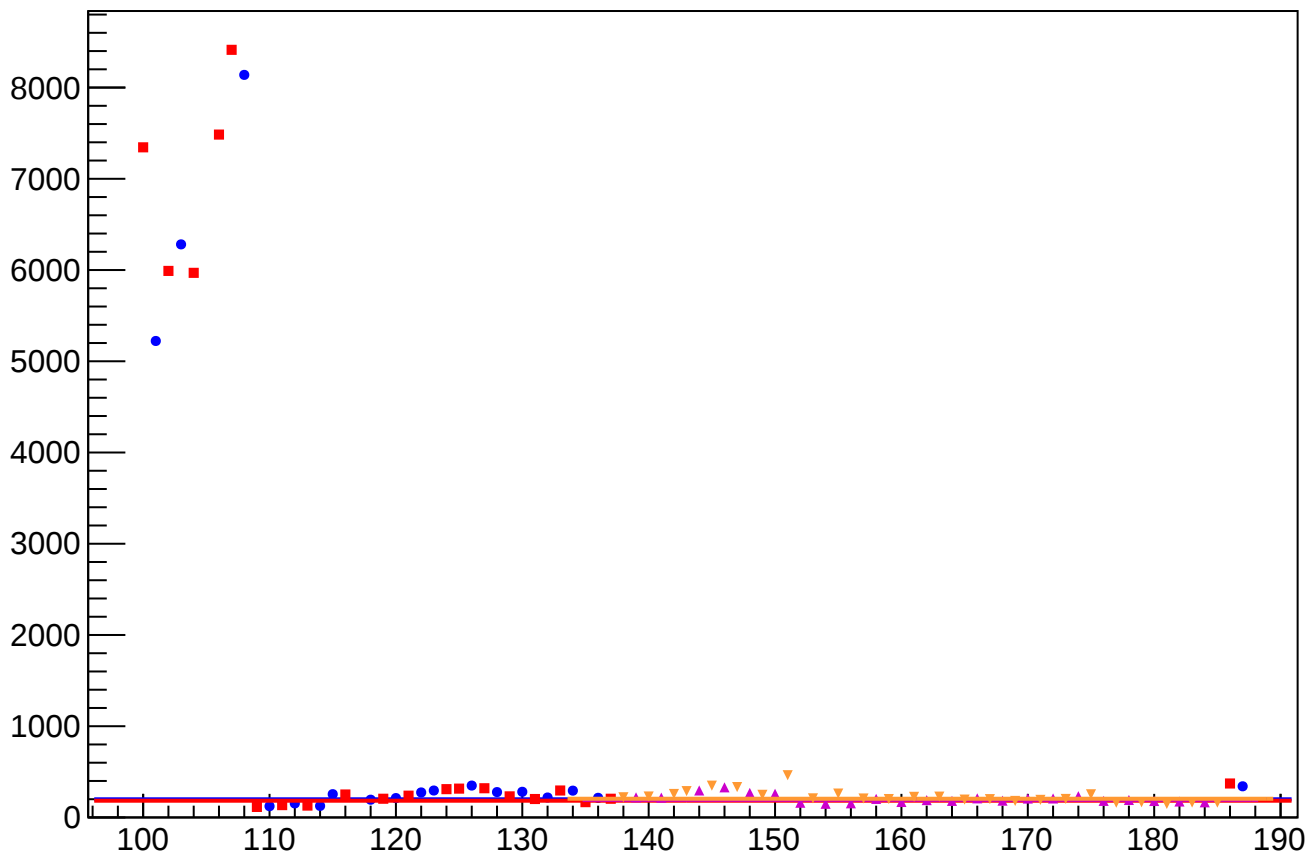
Left In: -28.062+/-48.032 χ^2/NDF : 9.6/22

+ sign -9.645+/-43.592 χ^2/NDF : 23.6/42

All: -21.934+/-30.120 χ^2/NDF : 48.3/85

- sign -33.161+/-41.667 χ^2/NDF : 24.6/42

asym_cav4cQ_rms vs Slug



Right In: 199.207 $\pm$ 0.065 χ^2 /NDF: 3752500.2/17

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF: 1957484.4/24

Right Out: 183.481 $\pm$ 0.059 χ^2 /NDF: 4514861.8/19

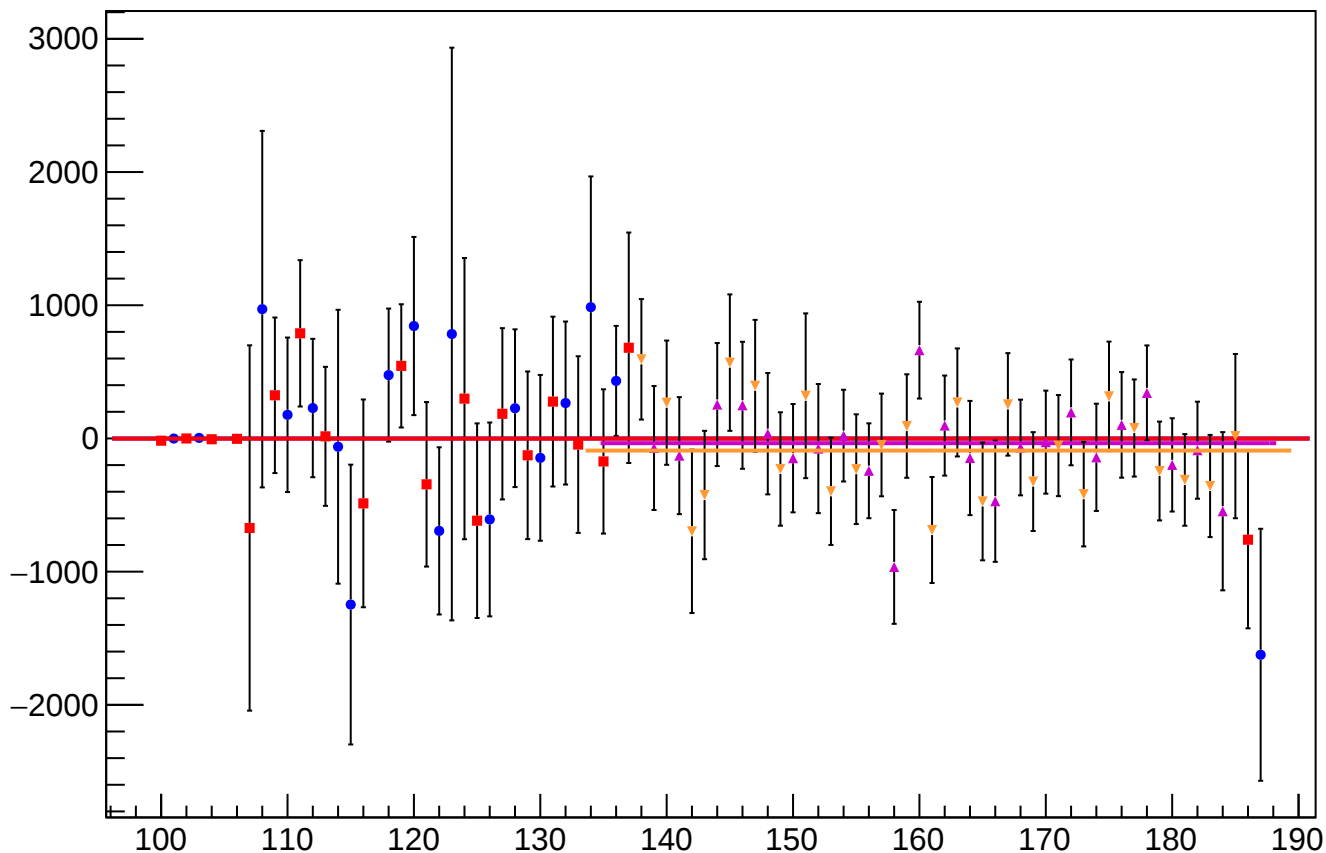
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF: 1179471.1/22

+ sign 203.774 $\pm$ 0.031 χ^2 /NDF: 5716424.5/42

All: 197.155 $\pm$ 0.021 χ^2 /NDF: 11521026.0/85

- sign 191.108 $\pm$ 0.029 χ^2 /NDF: 5716368.8/42

asym_cav4dQ_mean vs Slug



Right In: -0.146 ± 1.737 χ^2/NDF : 13.1/17

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.327 ± 1.623 χ^2/NDF : 10.6/19

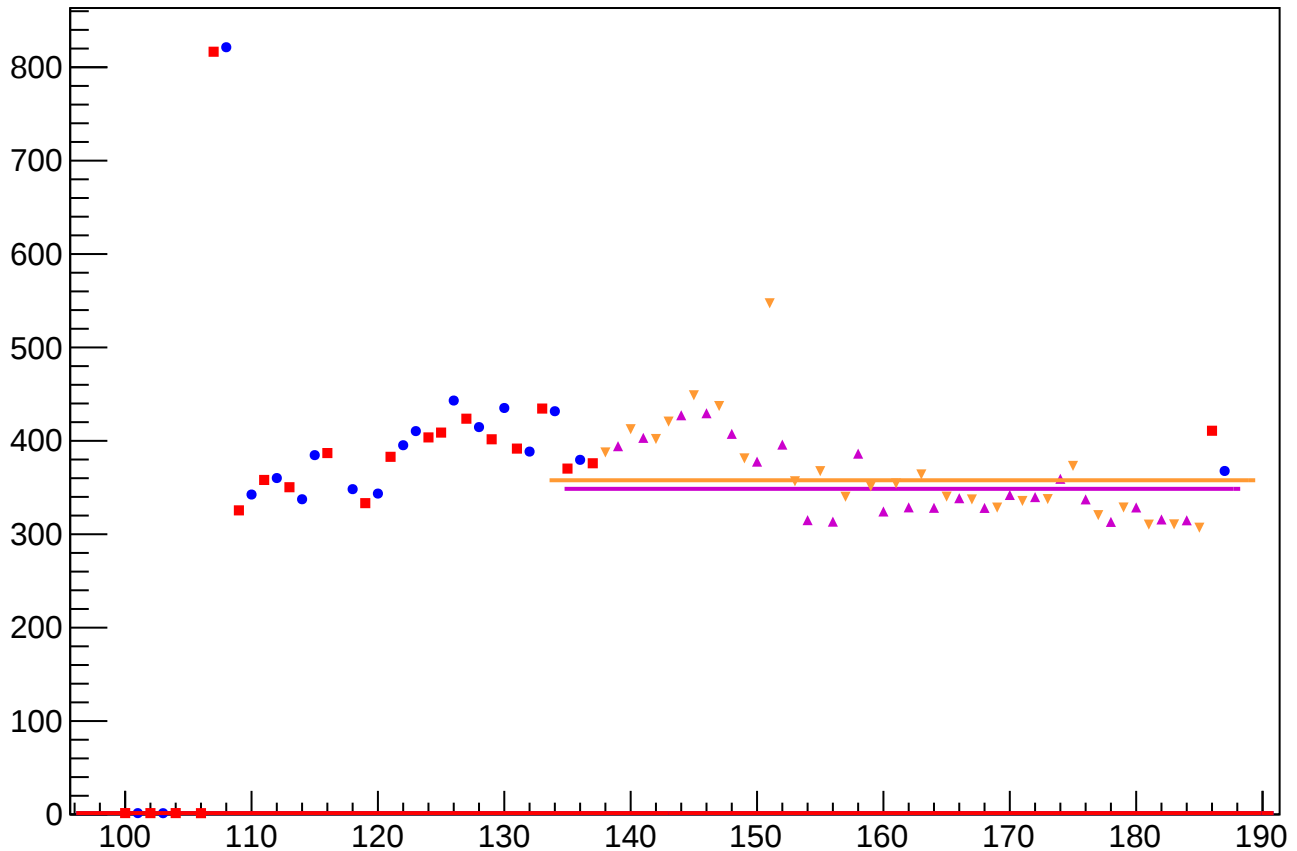
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.185 ± 1.736 χ^2/NDF : 30.7/42

All: -0.802 ± 1.185 χ^2/NDF : 55.1/85

- sign -1.340 ± 1.622 χ^2/NDF : 24.2/42

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 11071583.7/17

Left Out: 357.804+/-0.059 χ^2/NDF : 547036.5/24

Right Out: 1.453+/-0.001 χ^2/NDF : 11588634.5/19

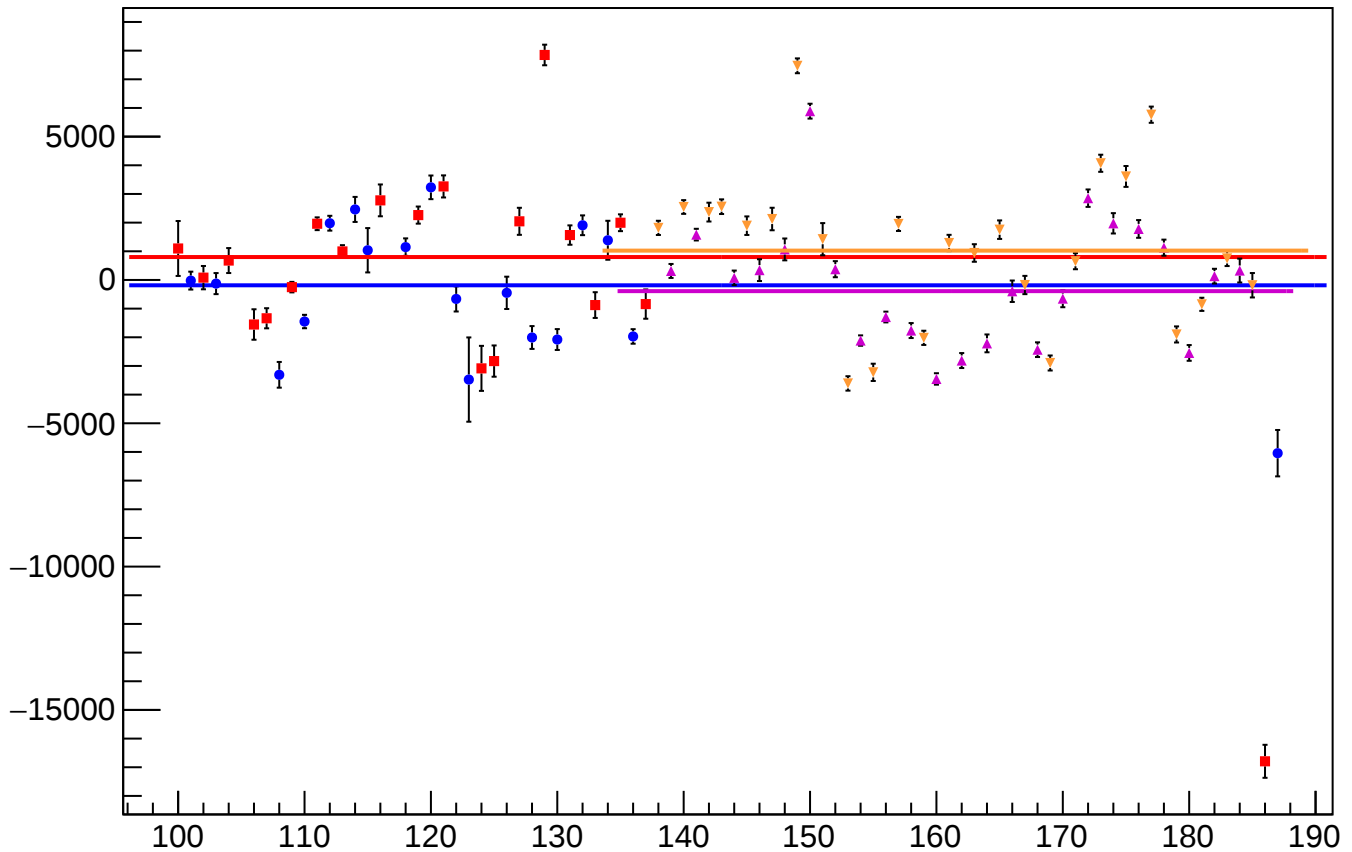
Left In: 348.611+/-0.060 χ^2/NDF : 362511.2/22

+ sign 1.605+/-0.001 χ^2/NDF : 47529831.6/42

All: 1.593+/-0.001 χ^2/NDF : 93320347.4/85

- sign 1.582+/-0.001 χ^2/NDF : 45790319.7/42

asym_bcm0l02_mean vs Slug



Right In: -186.585 ± 87.797 χ^2/NDF : 473.4/17

Left Out: 1023.439 ± 57.338 χ^2/NDF : 2309.4/24

Right Out: 799.280 ± 77.744 χ^2/NDF : 1639.1/19

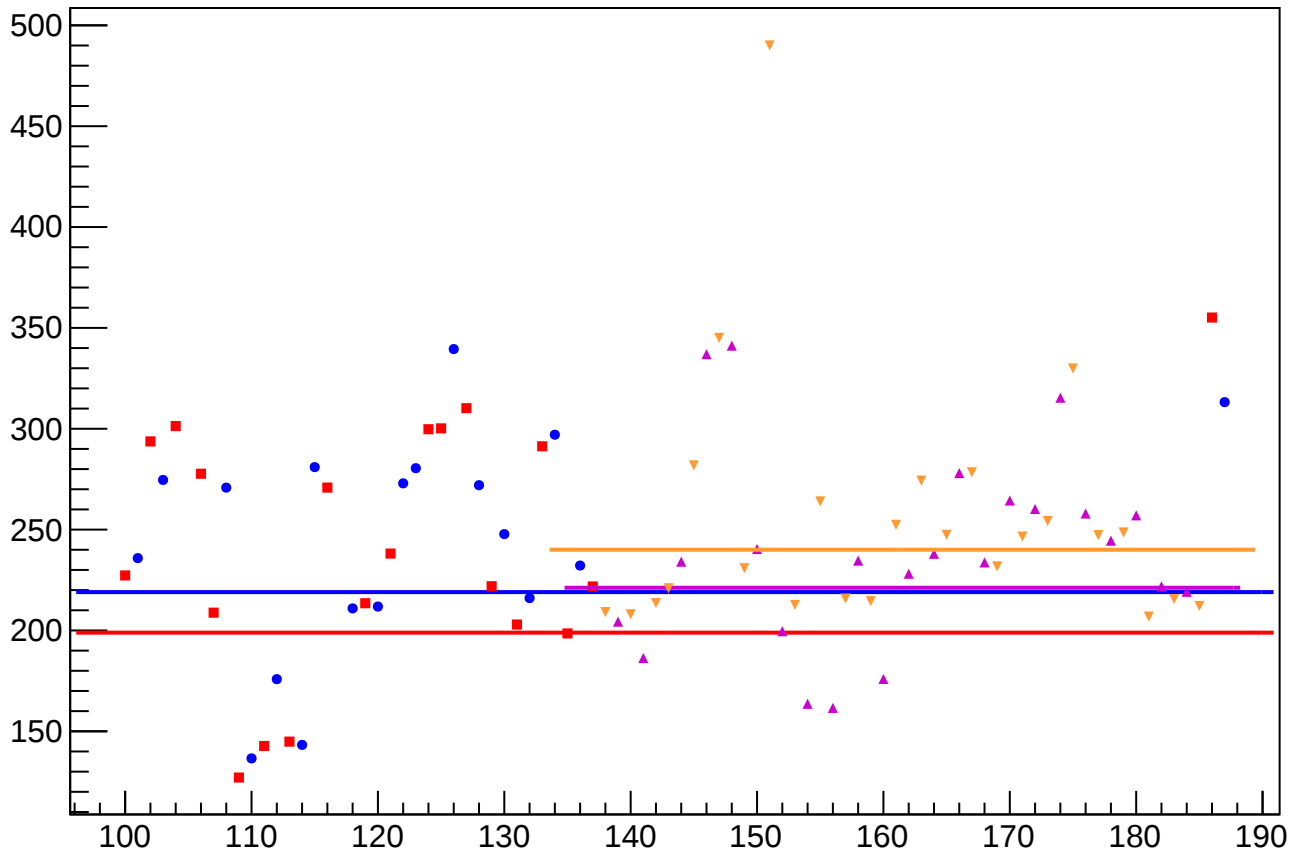
Left In: -390.237 ± 54.931 χ^2/NDF : 1584.9/22

+ sign 661.660 ± 48.007 χ^2/NDF : 2915.9/42

All: 311.582 ± 32.778 χ^2/NDF : 6395.7/85

- sign 5.865 ± 44.863 χ^2/NDF : 3380.2/42

asym_bcm0l02_rms vs Slug



Right In: 219.018 $\pm$ 0.062 χ^2 /NDF: 689412.5/17

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 198.923 $\pm$ 0.055 χ^2 /NDF: 1339275.9/19

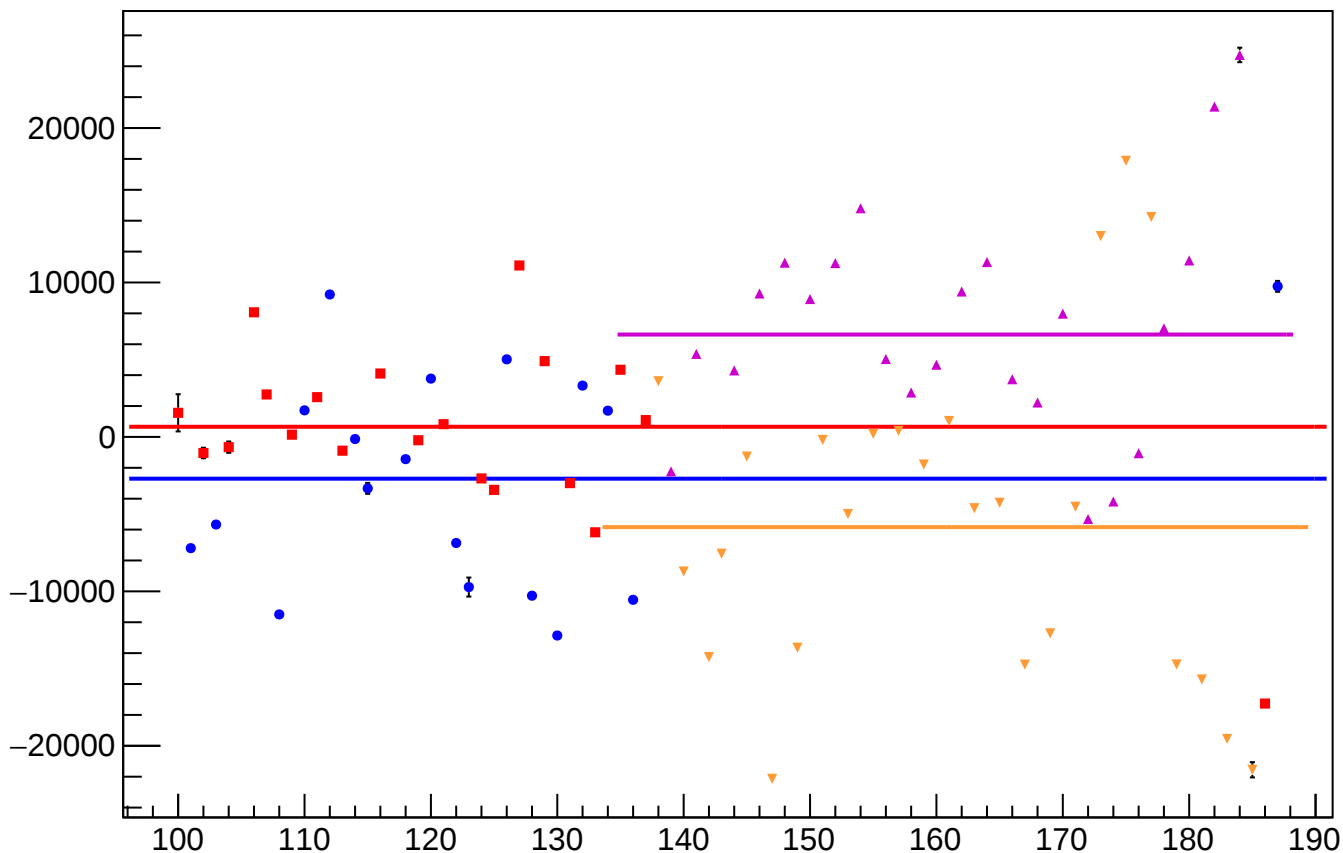
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 233.740 $\pm$ 0.034 χ^2 /NDF: 1772061.5/42

All: 223.076 $\pm$ 0.023 χ^2 /NDF: 4747984.4/85

- sign 213.764 $\pm$ 0.032 χ^2 /NDF: 2791060.3/42

asym_bpm2i01WS_mean vs Slug



Right In: -2704.313 ± 48.240 χ^2/NDF : 22175.0/17

Left Out: -5841.615 ± 35.848 χ^2/NDF : 63397.3/24

Right Out: 657.882 ± 45.398 χ^2/NDF : 14833.5/19

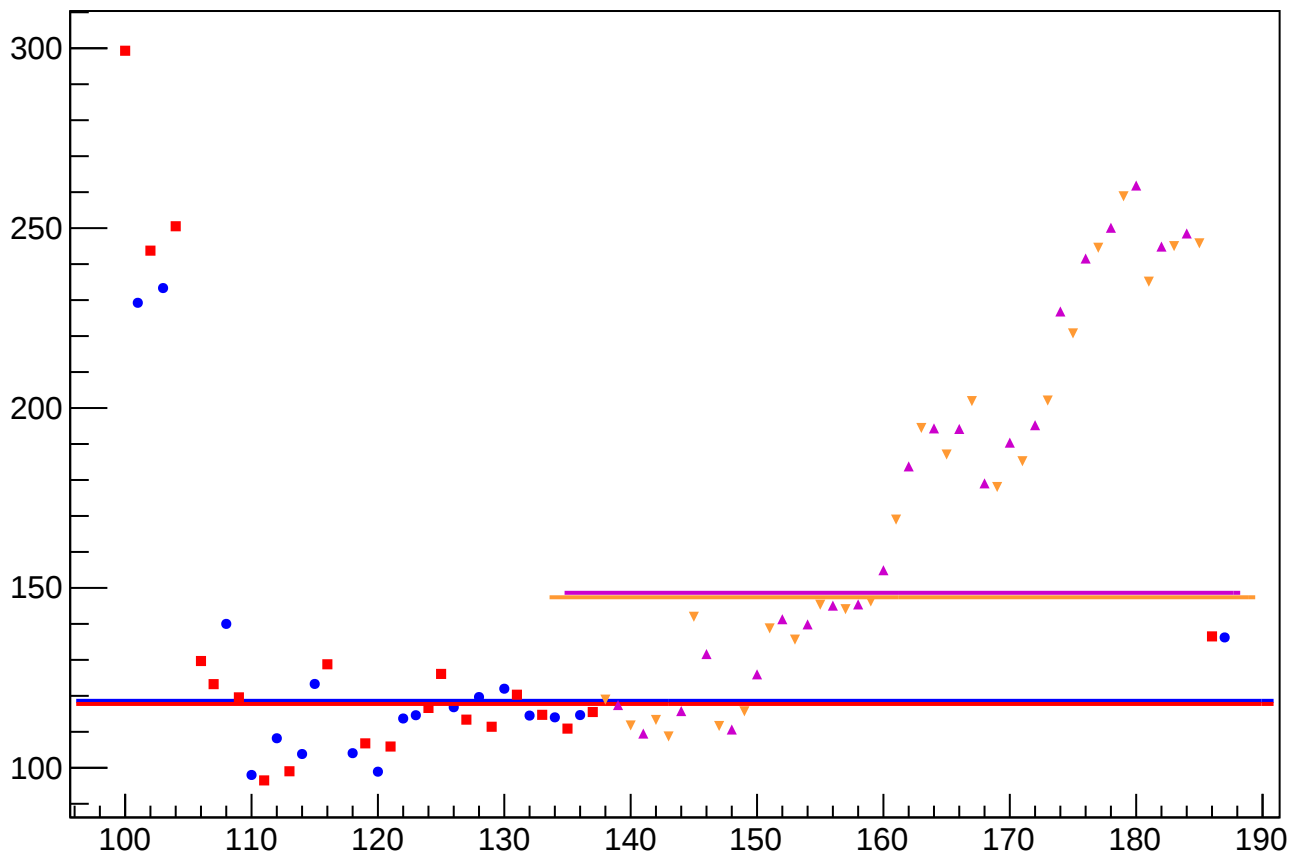
Left In: 6628.388 ± 37.160 χ^2/NDF : 21738.0/22

+ sign -4725.507 ± 28.773 χ^2/NDF : 88297.1/42

All: -243.475 ± 20.339 χ^2/NDF : 183725.2/85

- sign 4233.026 ± 28.755 χ^2/NDF : 46928.4/42

asym_bpm2i01WS_rms vs Slug



Right In: 118.613 $\pm$ 0.034 χ^2 /NDF: 642097.3/17

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF:2517097.1/24

Right Out: 117.751 $\pm$ 0.032 χ^2 /NDF: 704564.2/19

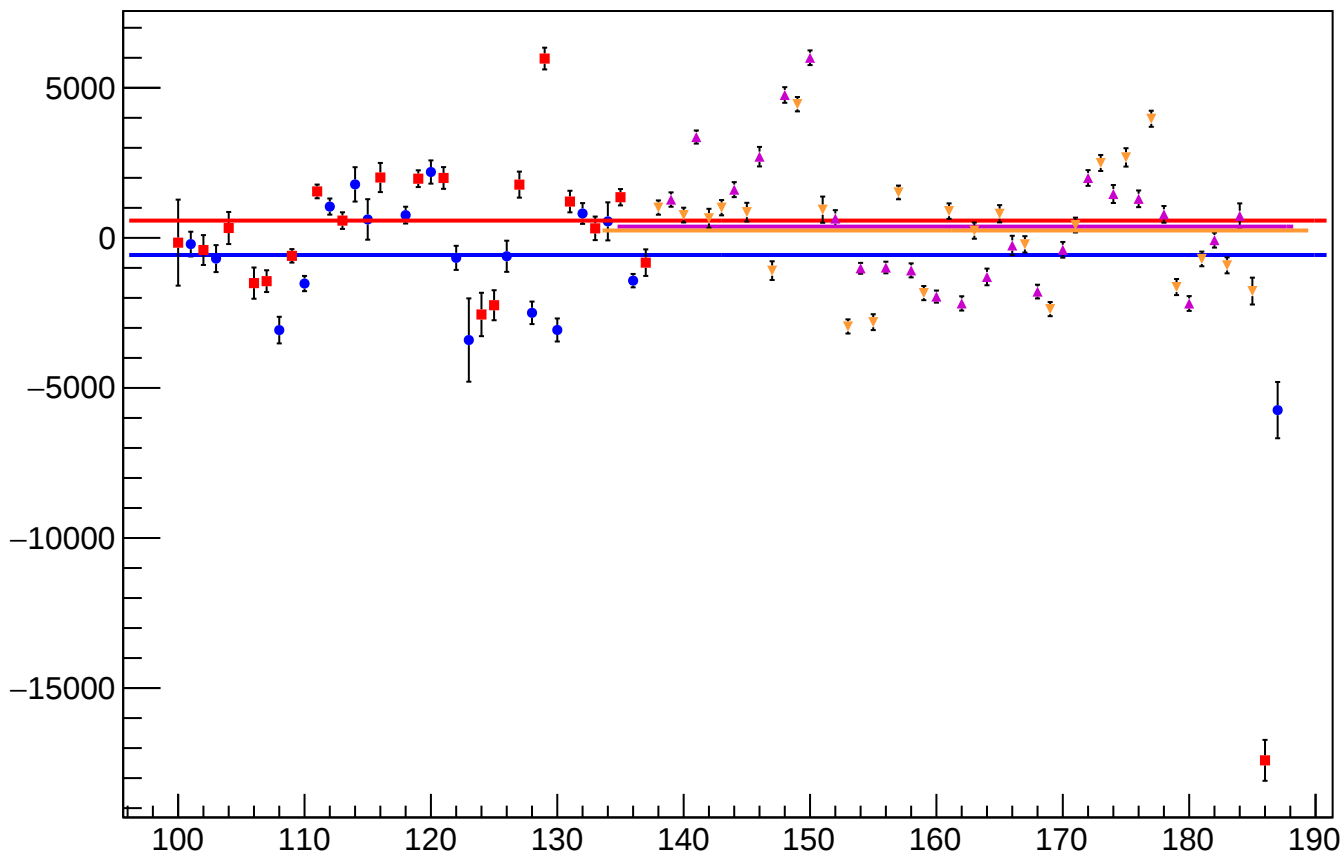
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF:2415531.9/22

+ sign 137.156 $\pm$ 0.020 χ^2 /NDF: 3617904.3/42

All: 136.702 $\pm$ 0.014 χ^2 /NDF: 7293489.2/85

- sign 136.249 $\pm$ 0.020 χ^2 /NDF: 3674589.0/42

asym_bpm0i07WS_mean vs Slug



Right In: -570.130 ± 89.000 χ^2/NDF : 313.3/17

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: 575.826 ± 81.670 χ^2/NDF : 1144.5/19

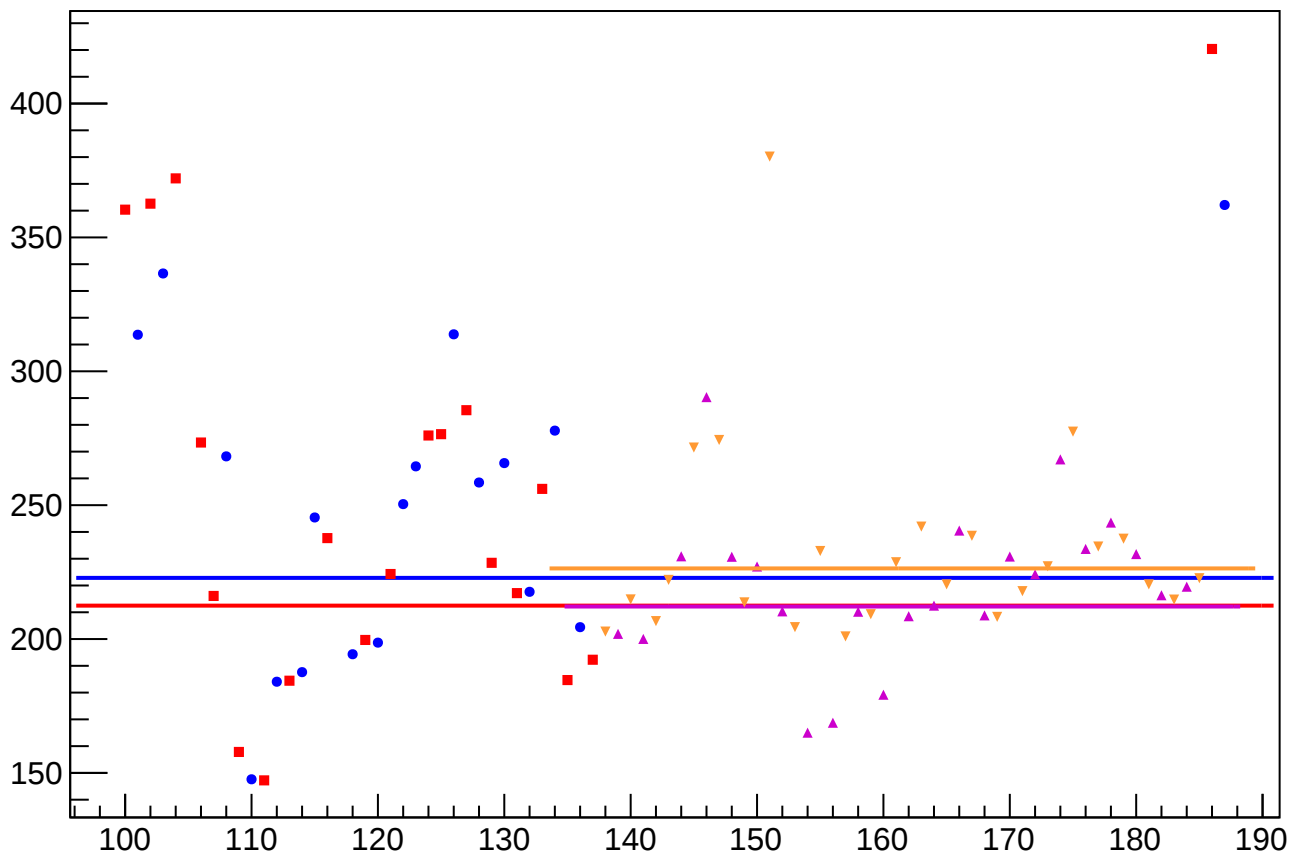
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign 29.509 ± 45.848 χ^2/NDF : 1729.9/42

All: 240.147 ± 31.670 χ^2/NDF : 4717.4/85

- sign 432.378 ± 43.799 χ^2/NDF : 2947.1/42

asym_bpm0i07WS_rms vs Slug



Right In: 222.843 $\pm$ 0.063 χ^2 /NDF: 690291.7/17

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

+ sign 225.438 $\pm$ 0.032 χ^2 /NDF: 1214376.2/42

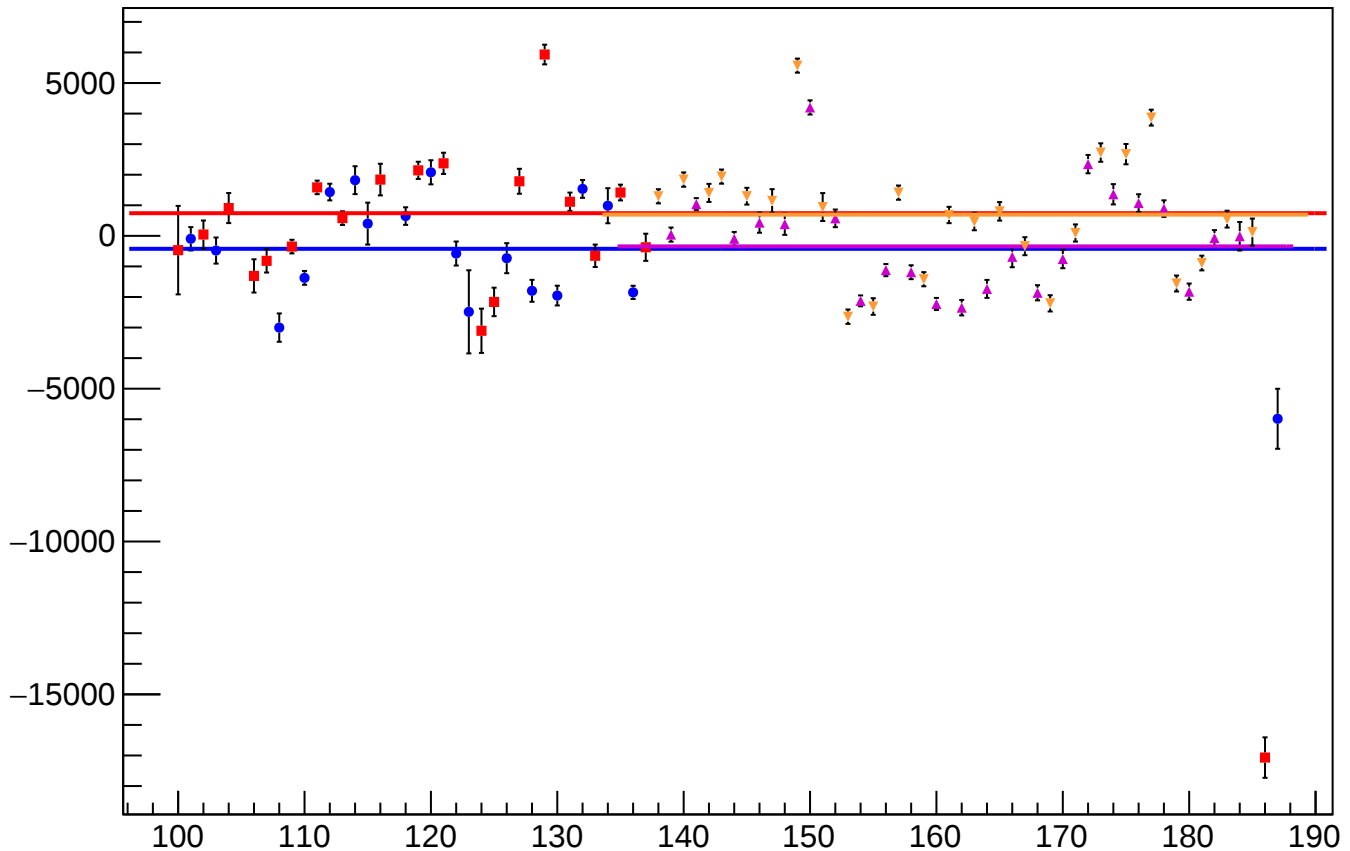
Right Out: 212.478 $\pm$ 0.058 χ^2 /NDF: 1068244.8/19

All: 218.538 $\pm$ 0.022 χ^2 /NDF: 2960989.3/85

Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

- sign 212.241 $\pm$ 0.031 χ^2 /NDF: 1659967.0/42

asym_bpm0l01WS_mean vs Slug



Right In: -423.878 ± 84.154 χ^2/NDF : 342.2/17

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 741.197 ± 77.165 χ^2/NDF : 1210.6/19

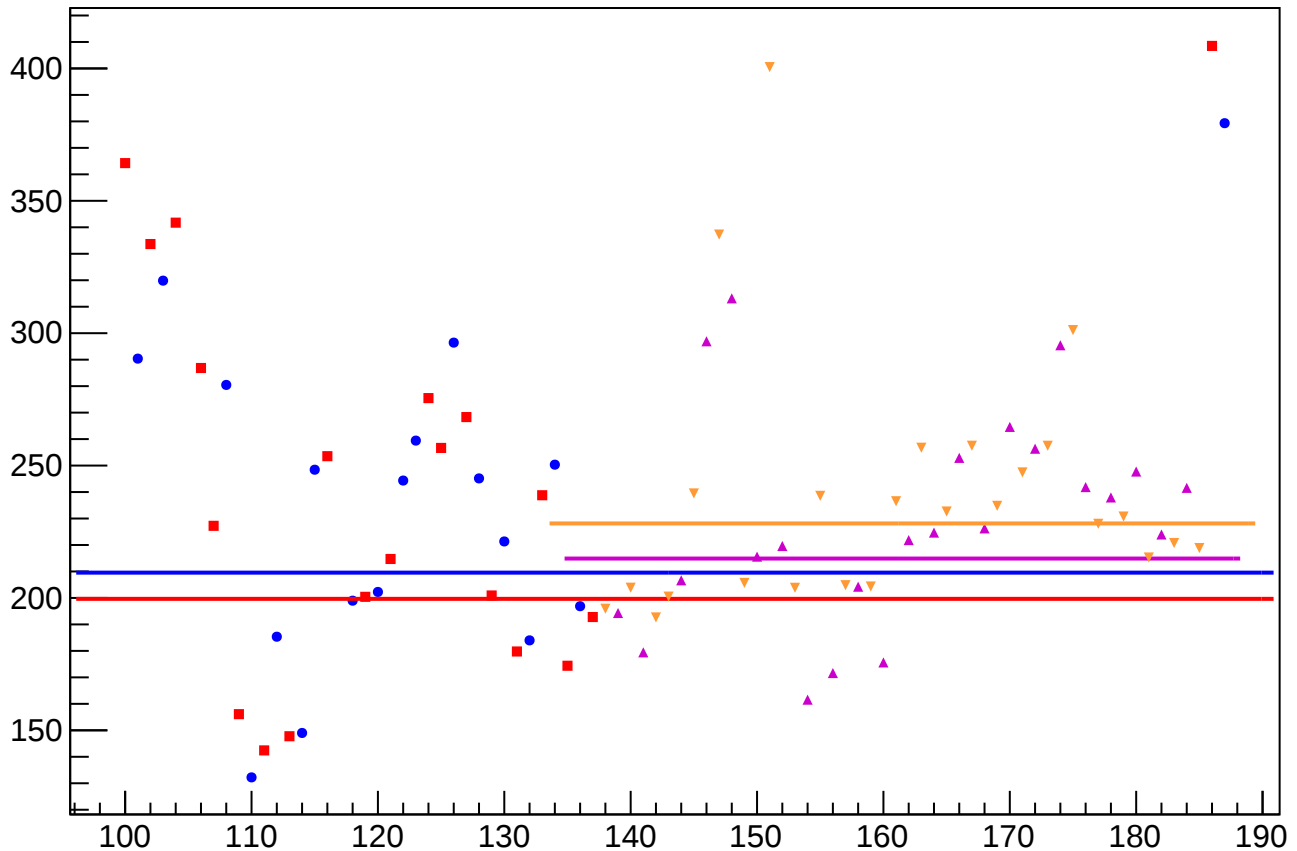
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 366.083 ± 45.595 χ^2/NDF : 1889.1/42

All: 176.706 ± 31.535 χ^2/NDF : 4252.3/85

- sign 3.044 ± 43.662 χ^2/NDF : 2330.2/42

asym_bpm0l01WS_rms vs Slug



Right In: 209.561+/-0.060 χ^2/NDF : 759050.7/17

Left Out: 228.144+/-0.038 χ^2/NDF : 828399.3/24

Right Out: 199.658+/-0.055 χ^2/NDF : 1126956.4/19

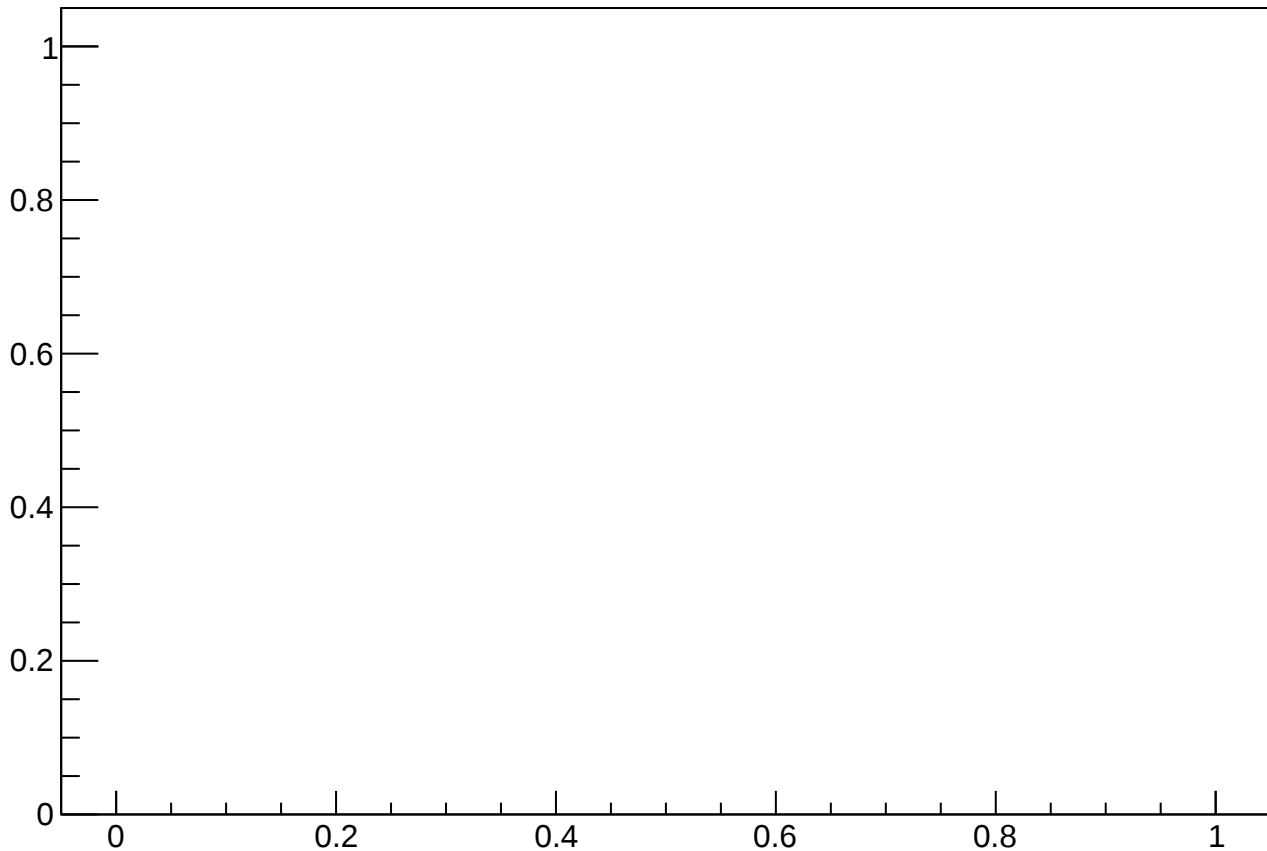
Left In: 214.878+/-0.037 χ^2/NDF : 1037509.6/22

+ sign 222.689+/-0.032 χ^2/NDF : 1656343.3/42

All: 216.073+/-0.022 χ^2/NDF : 3954438.5/85

- sign 210.005+/-0.031 χ^2/NDF : 2217361.6/42

bcm_an_us_ds_dd_mean vs Slug



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

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

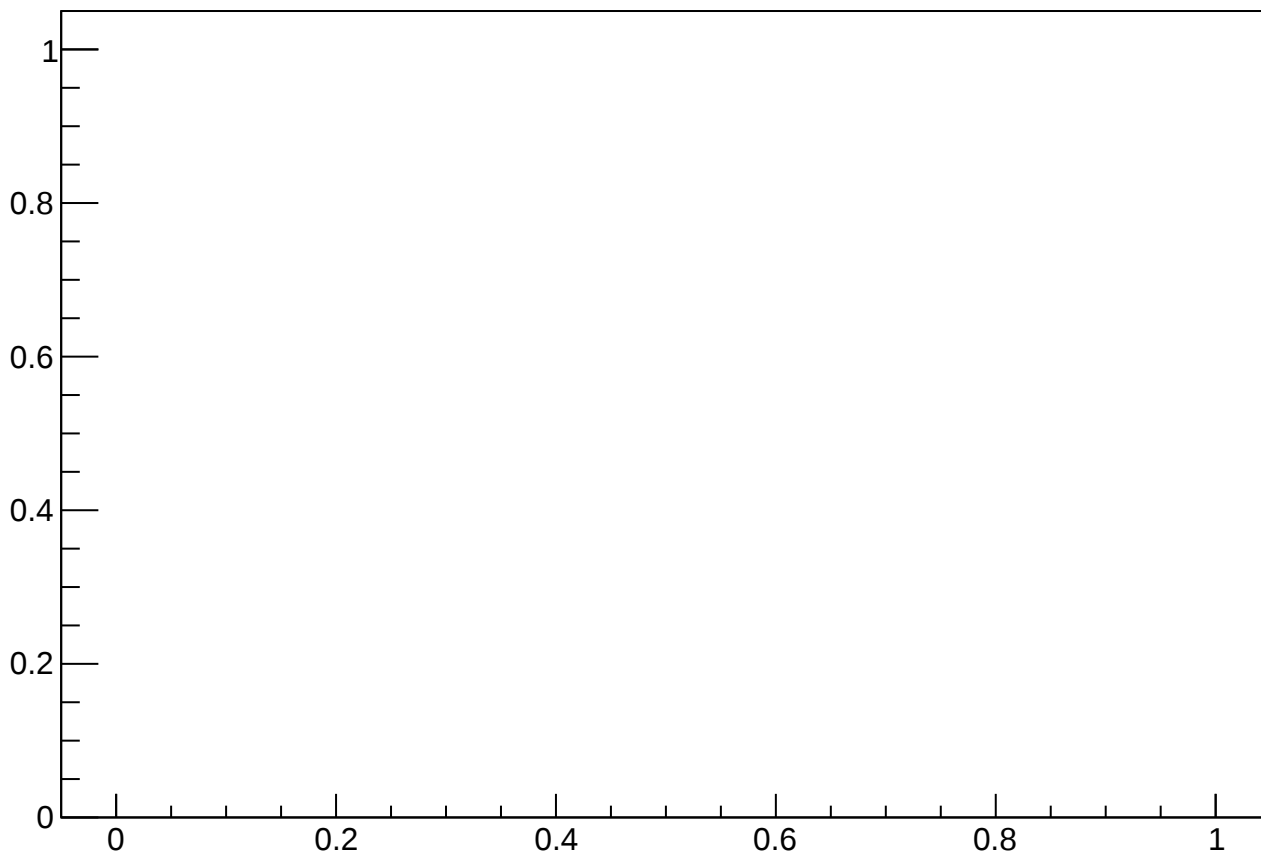
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

bcm_an_us_ds_dd_rms vs Slug



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

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

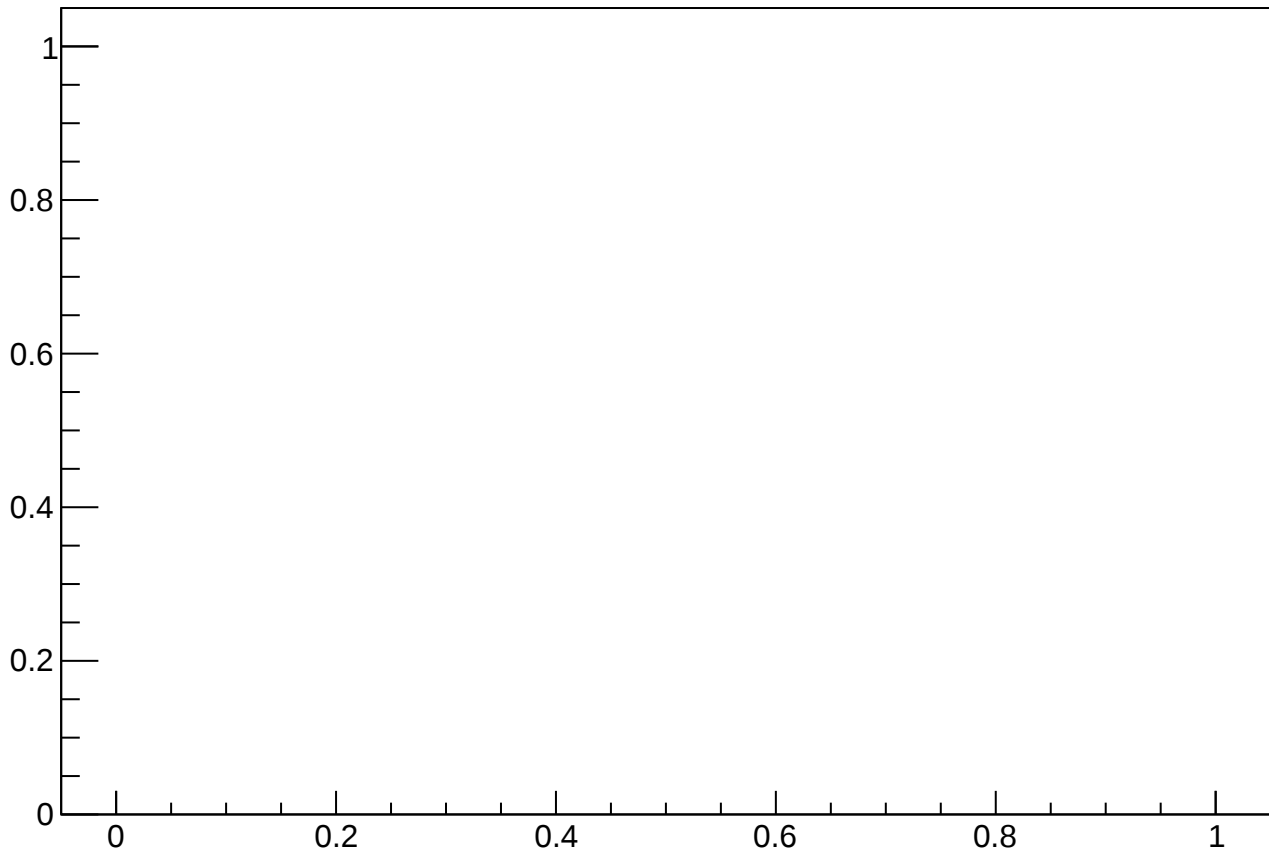
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

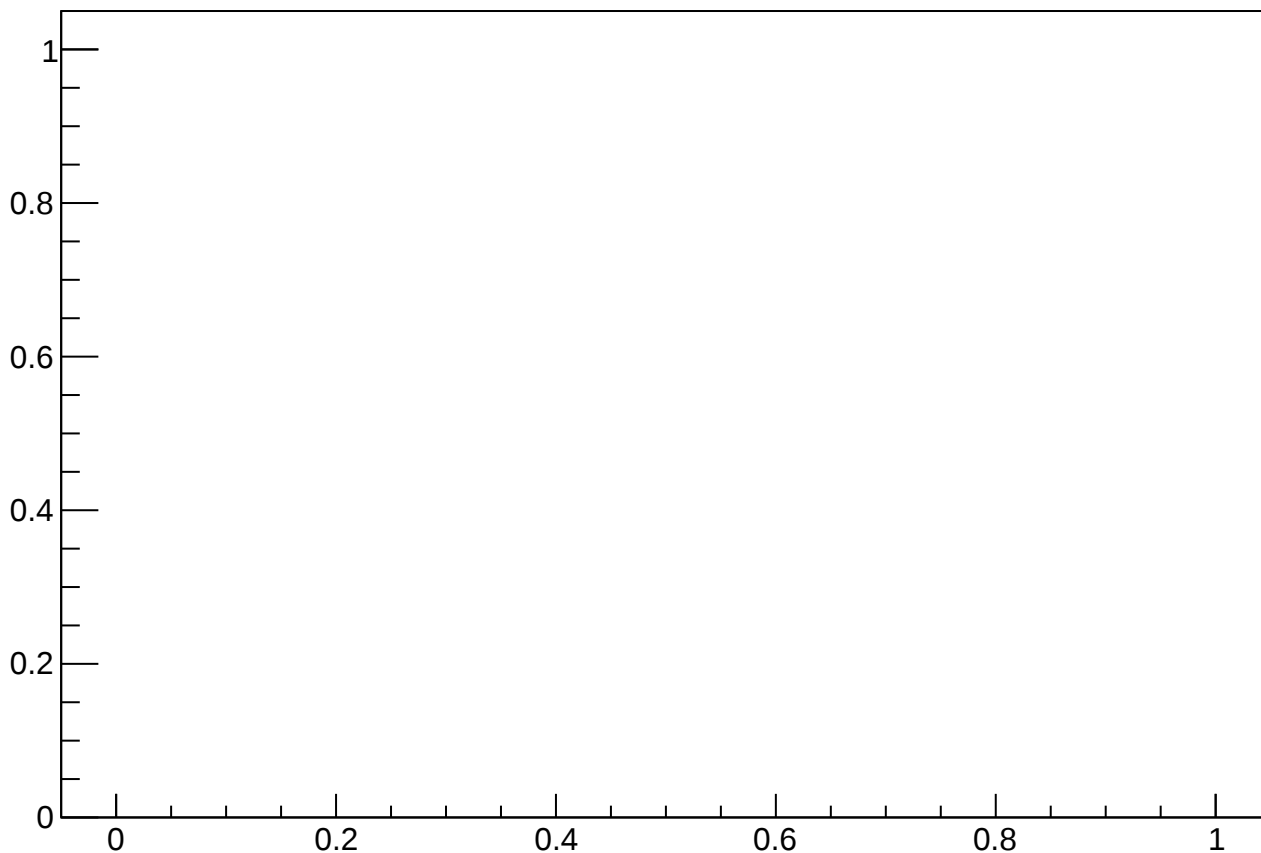
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

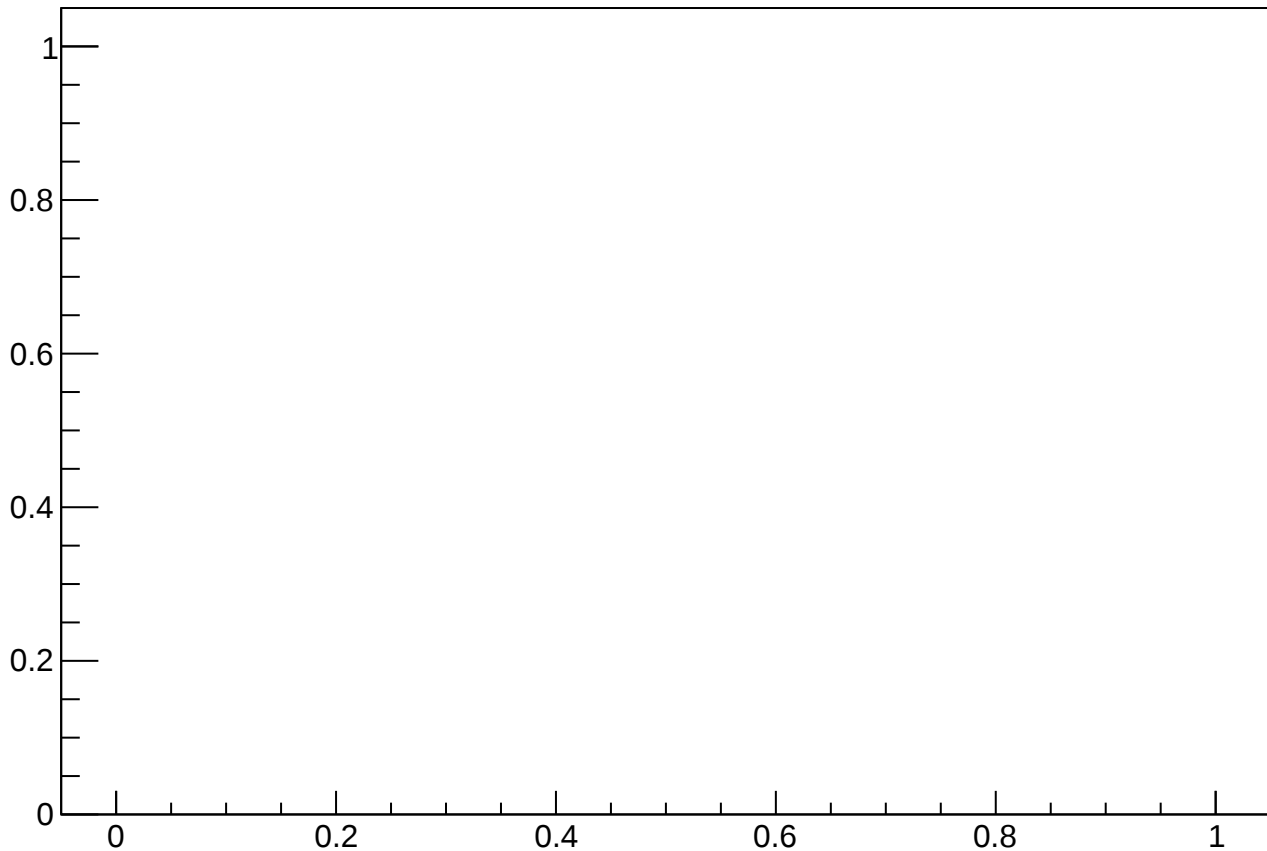
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

bcm_dg_us_ds_dd_mean vs Slug



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

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

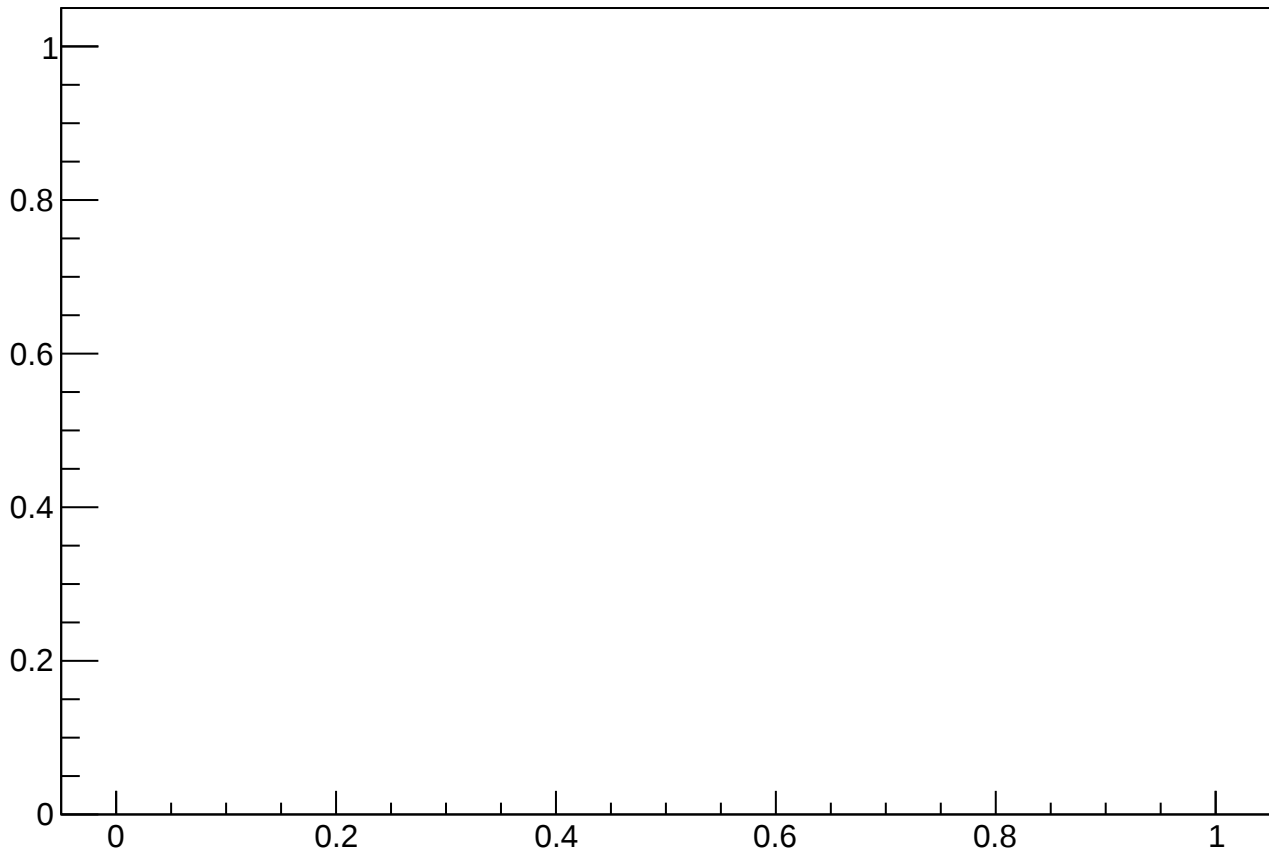
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

bcm_dg_us_ds_dd_rms vs Slug



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

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

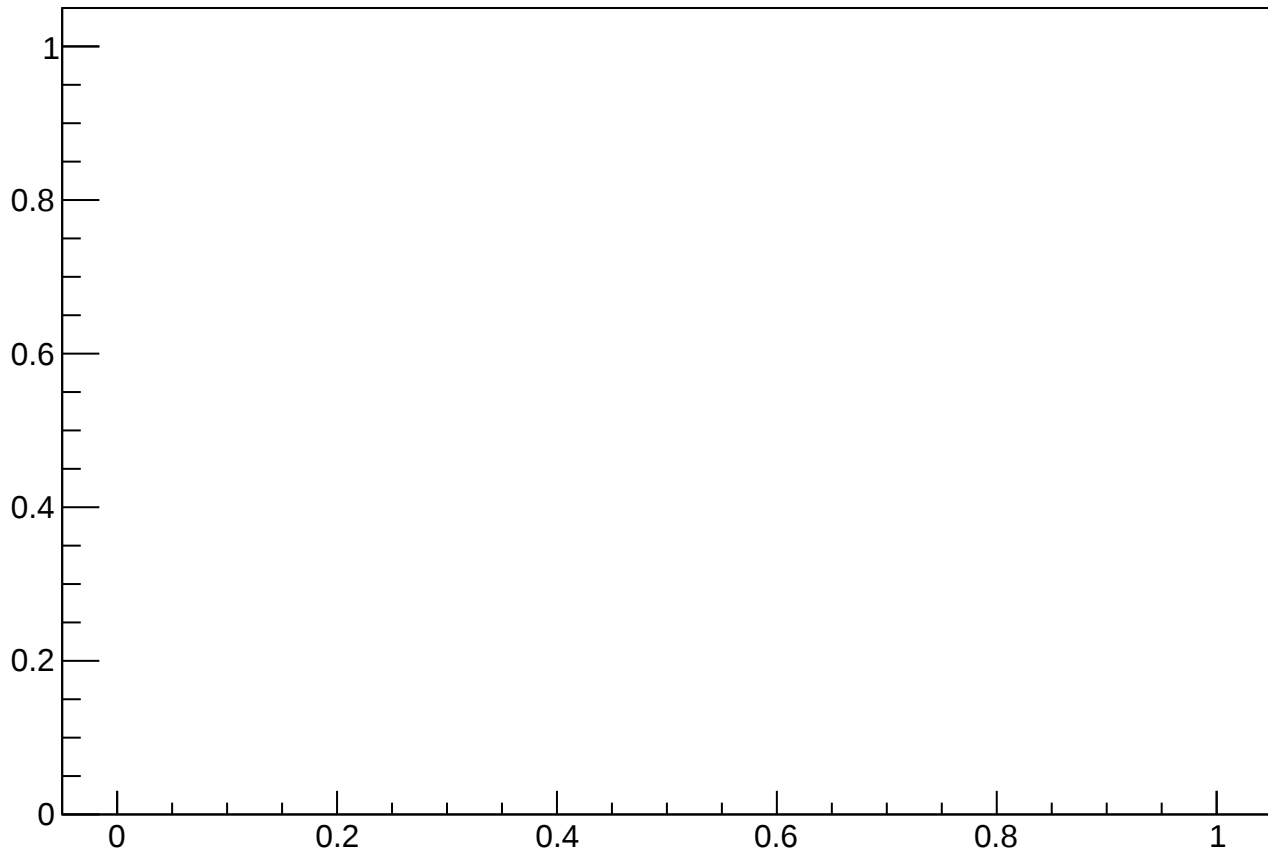
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

bcm_dg_ds_ds_dd_mean vs Slug



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

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

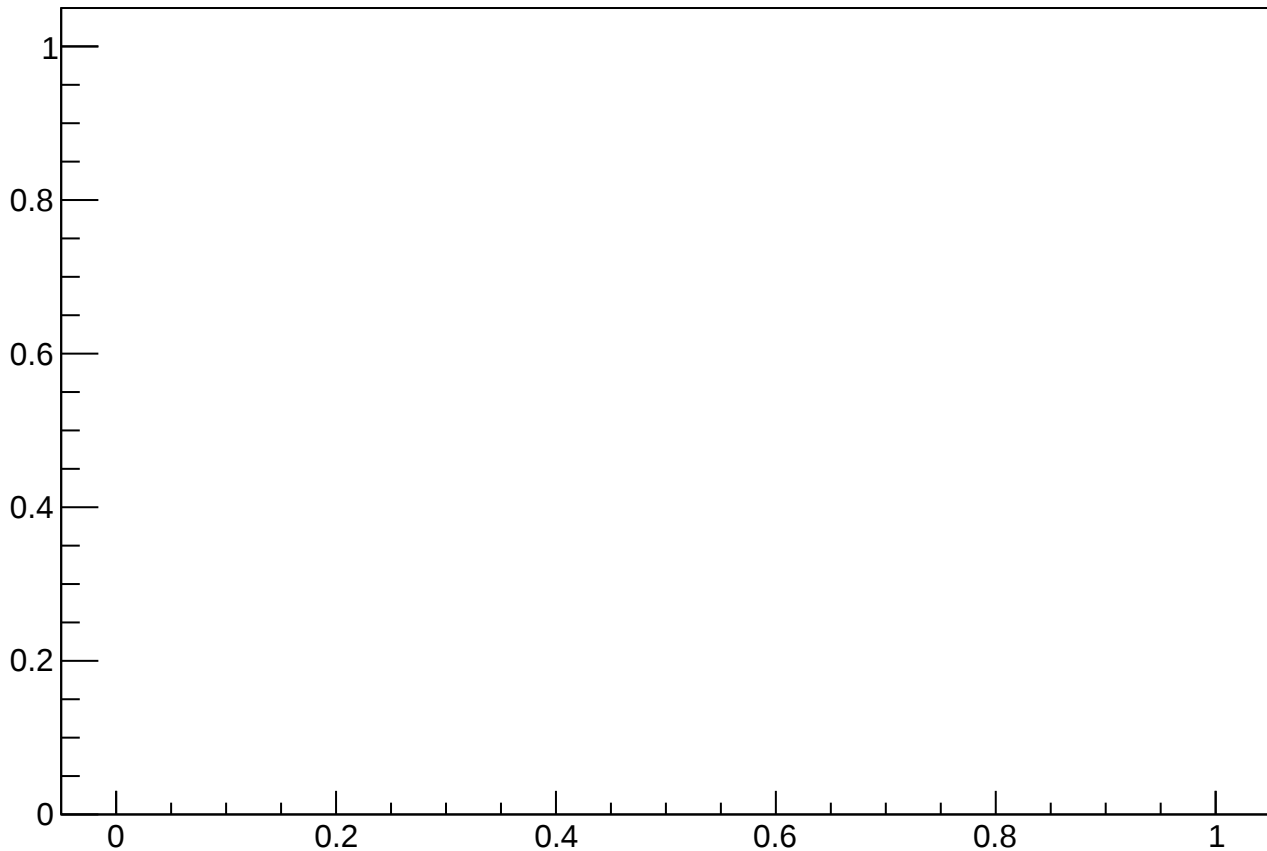
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

bcm_dg_ds_ds_dd_rms vs Slug



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

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

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

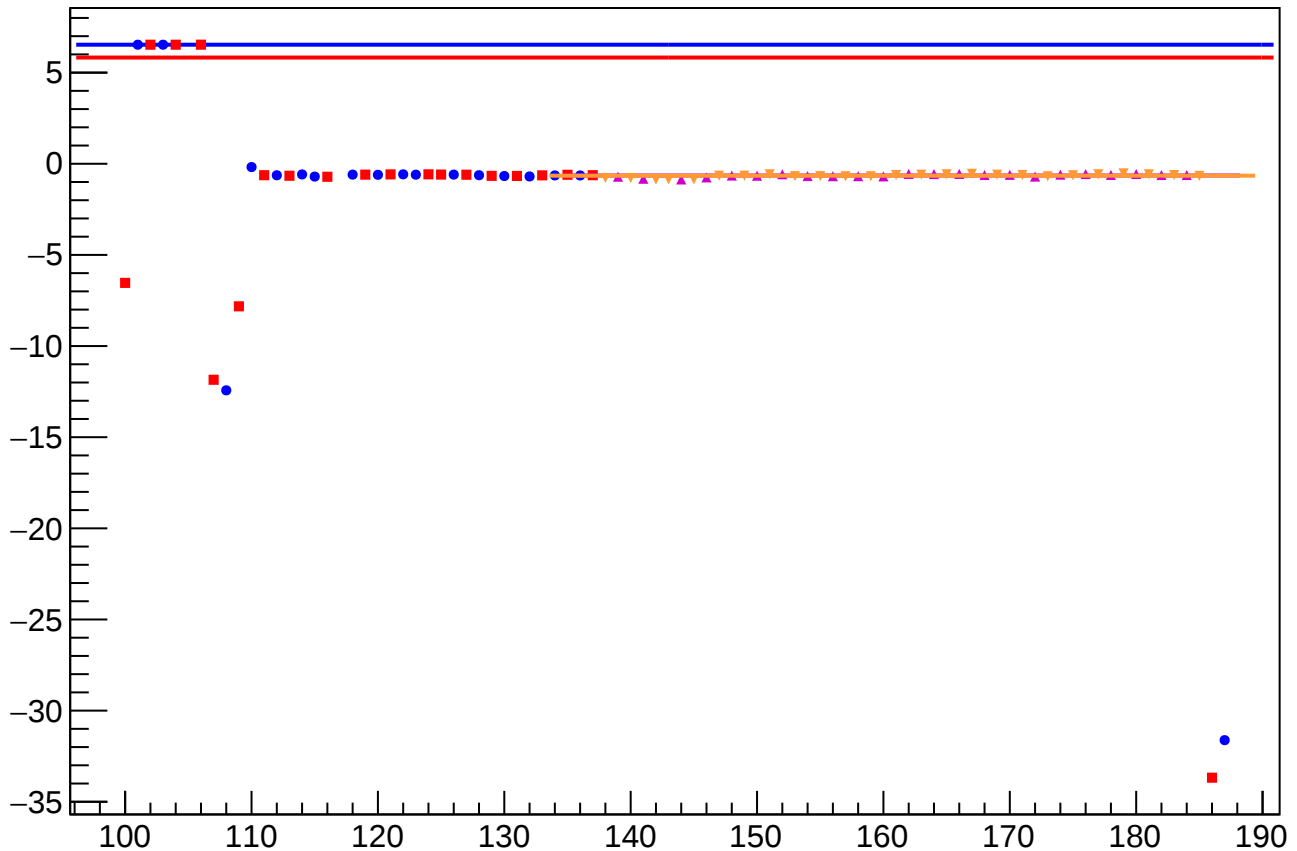
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

yield_cav4bX_mean vs Slug



Right In: 6.532 +/- 0.000 χ^2/NDF : 127616000900.0/17

Left Out: -0.654 +/- 0.000 χ^2/NDF : 179069954.8/24

Right Out: 5.827 +/- 0.000 χ^2/NDF : 755961944202336.5/19

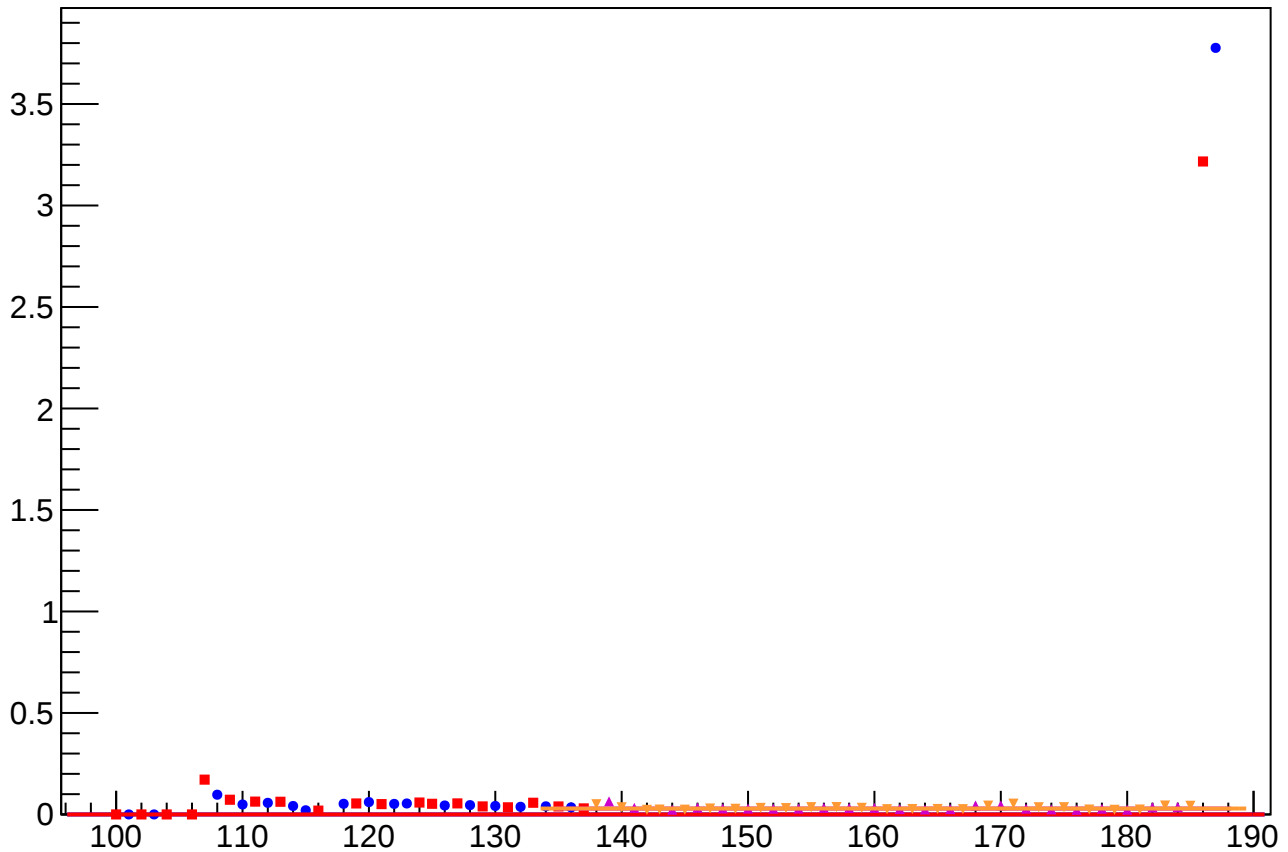
Left In: -0.643 +/- 0.000 χ^2/NDF : 123743747.1/22

+ sign 6.530 +/- 0.000 χ^2/NDF : 1001455524255.1/42

All: 6.153 +/- 0.000 χ^2/NDF : 77762695555613

- sign 5.826 +/- 0.000 χ^2/NDF : 756640407360831.5/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9126835.3/17

Left Out: 0.029+/-0.000 χ^2/NDF : 1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10035964.6/19

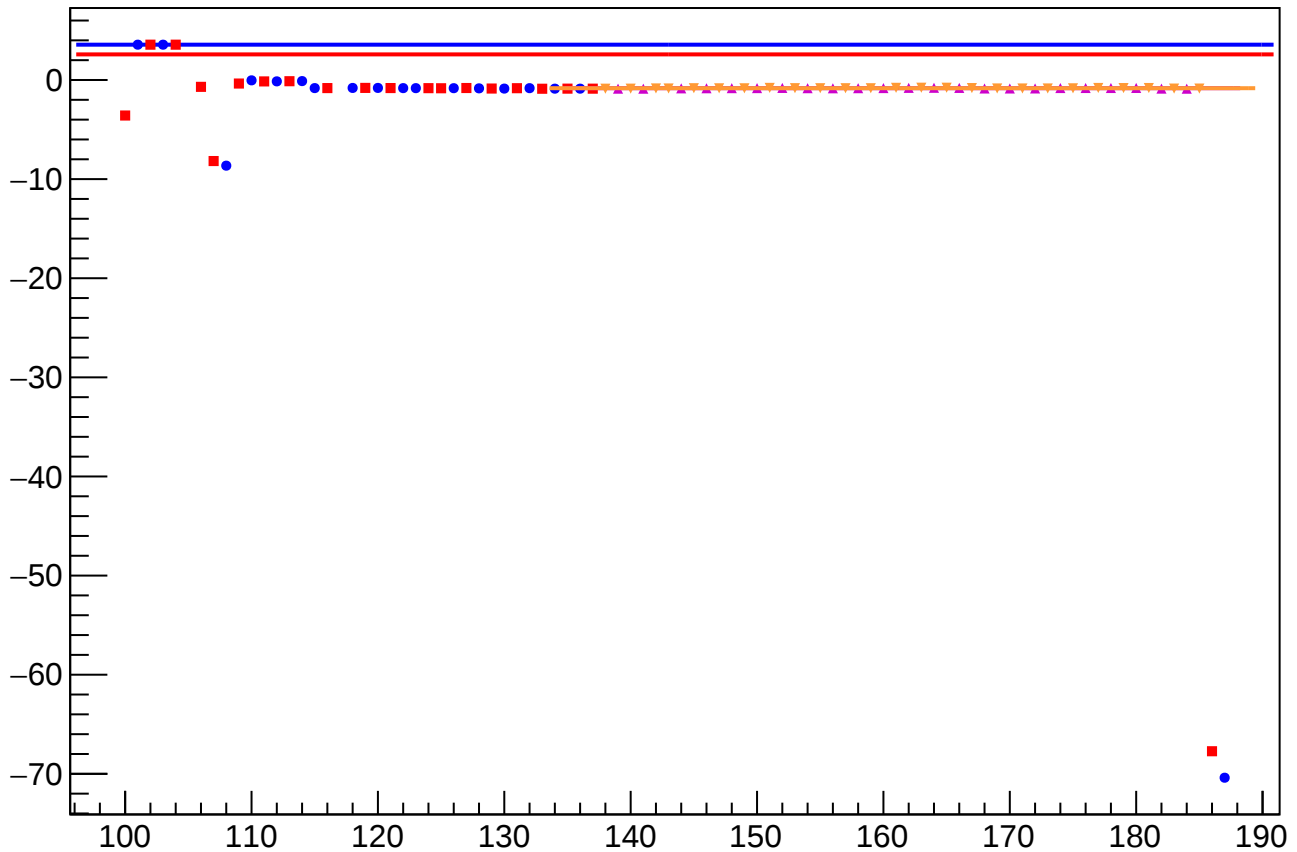
Left In: 0.029+/-0.000 χ^2/NDF : 1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 39090615.4/42

All: 0.000+/-0.000 χ^2/NDF : 77309113.8/85

- sign 0.000+/-0.000 χ^2/NDF : 38217829.6/42

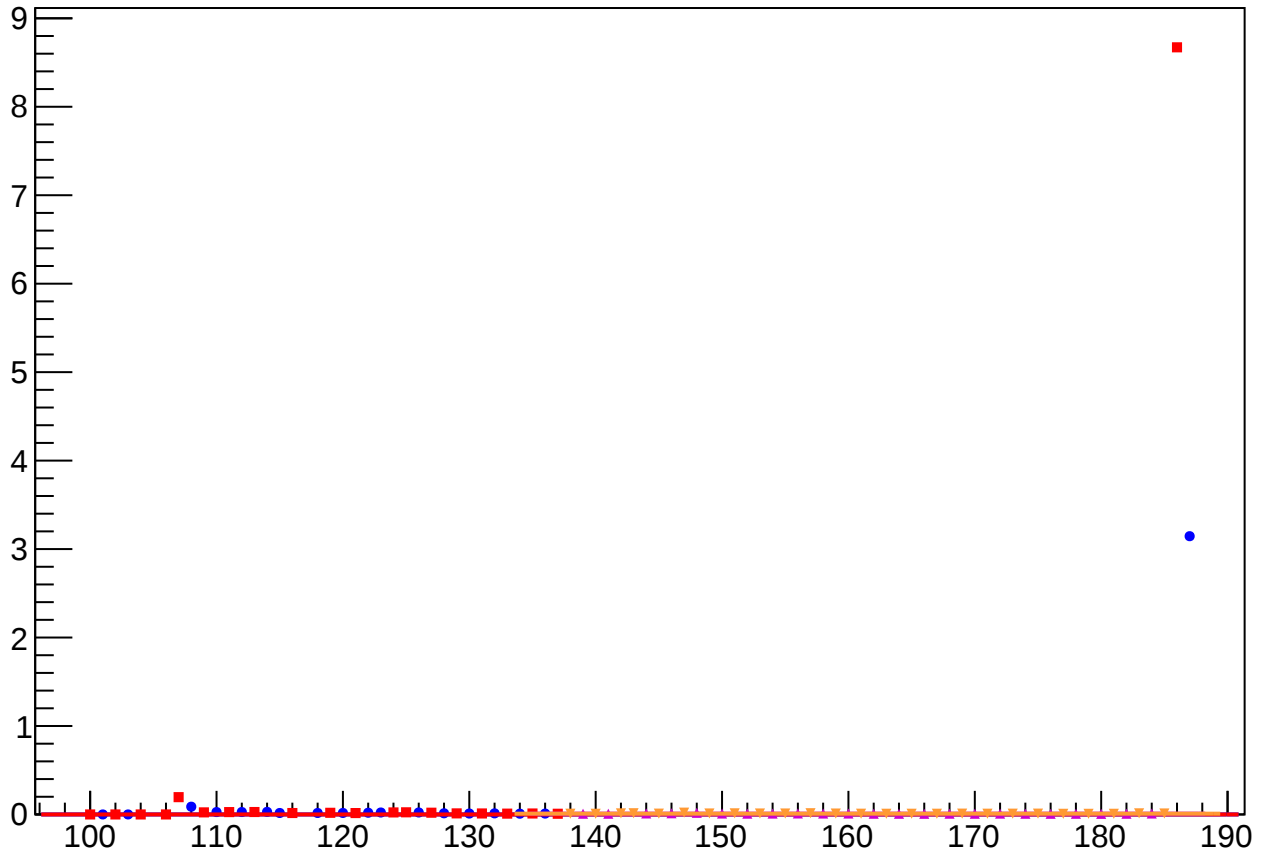
yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 χ^2/NDF : 480221583059.6/17
 Left Out: -0.827 ± 0.000 χ^2/NDF : 170052639.9/24
 Right Out: 2.583 ± 0.000 χ^2/NDF : 1253501393802194.8/19
 Left In: -0.827 ± 0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560 ± 0.000 χ^2/NDF : 4176670748074.8/42
 All: 3.038 ± 0.000 χ^2/NDF : 13879772814707
 - sign 2.581 ± 0.000 χ^2/NDF : 1255722489094453.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9977740.5/17

Left Out: 0.009+/-0.000 χ^2/NDF : 1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10539753.4/19

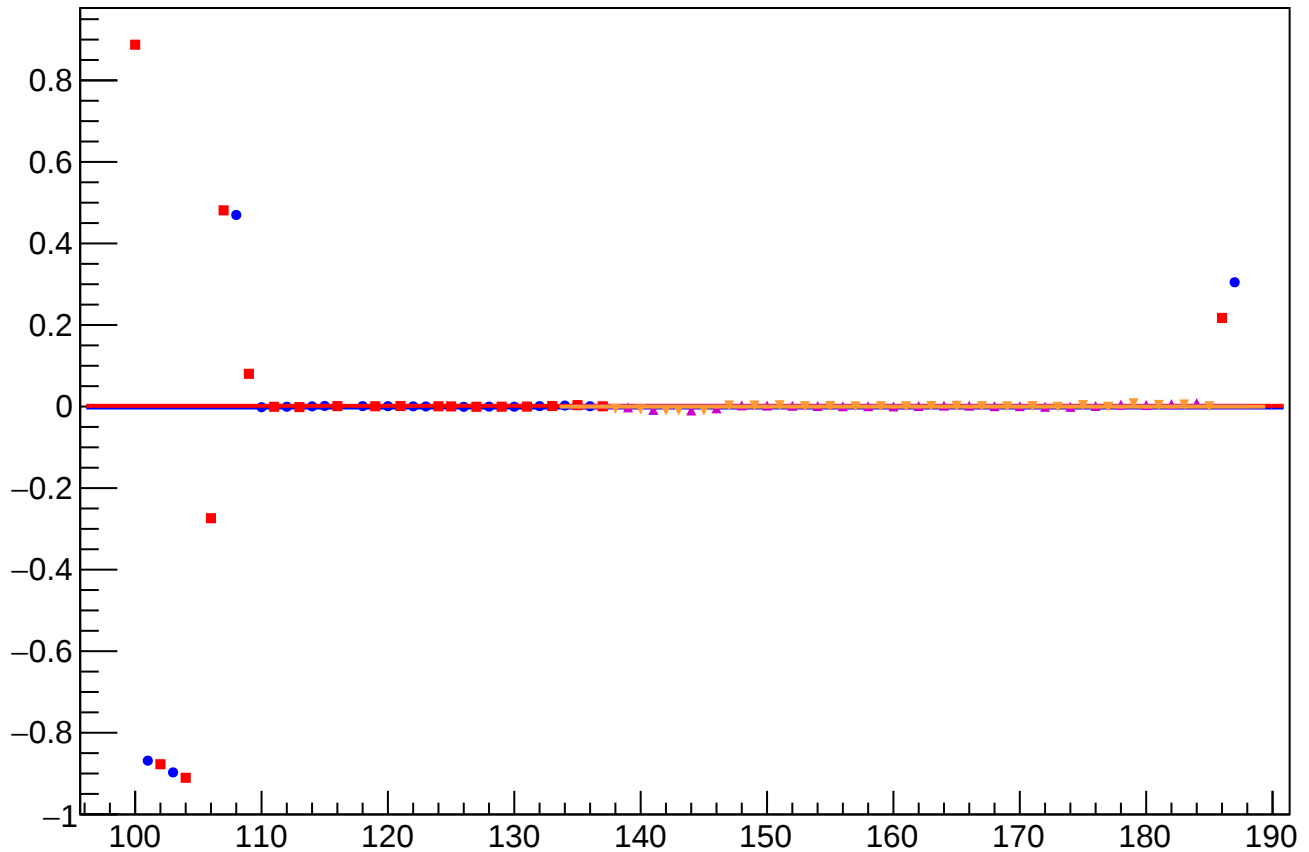
Left In: 0.009+/-0.000 χ^2/NDF : 1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 41486195.6/42

All: 0.000+/-0.000 χ^2/NDF : 81833755.7/85

- sign 0.000+/-0.000 χ^2/NDF : 40346480.9/42

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794891607.7/17

Left Out: -0.000+/-0.000 χ^2/NDF :151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3041332917.7/19

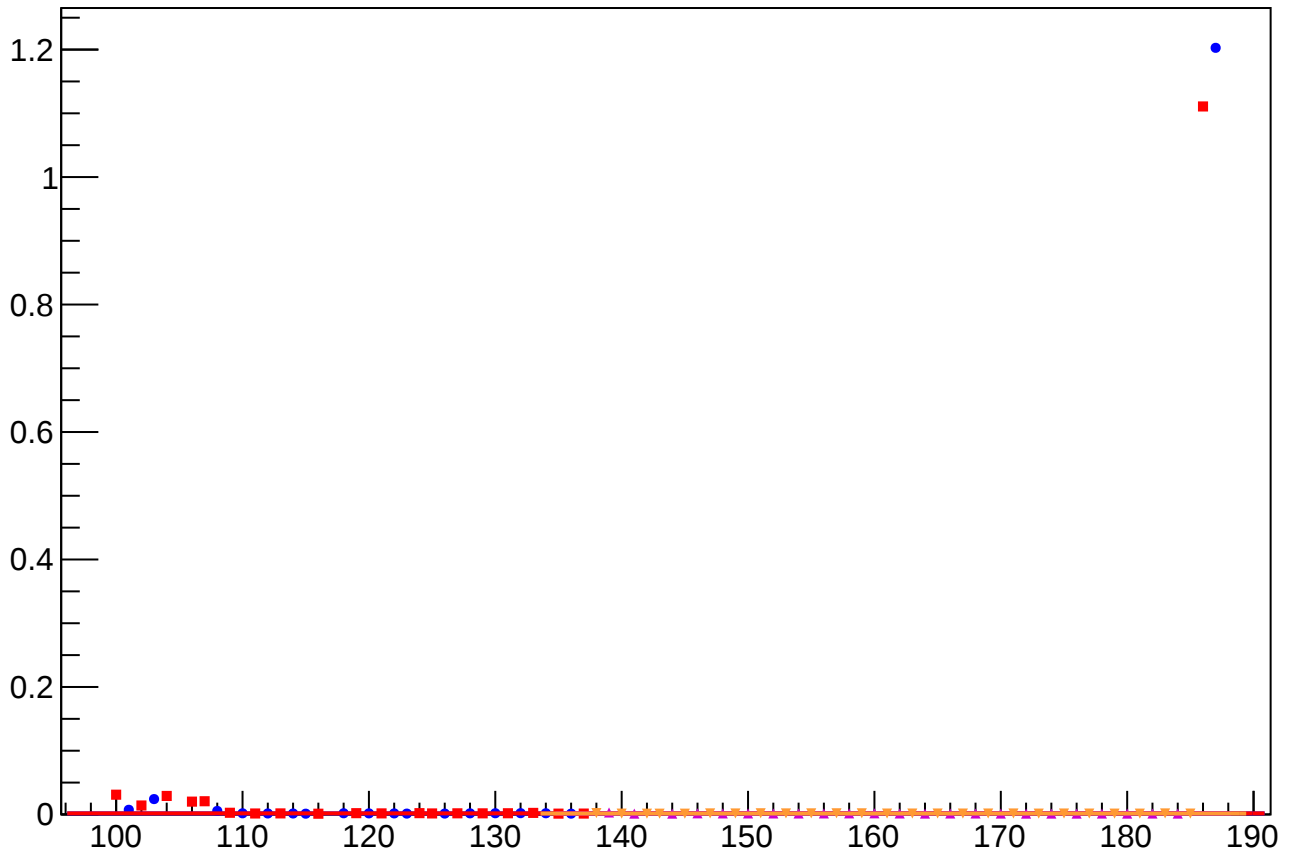
Left In: 0.001+/-0.000 χ^2/NDF :101468517.6/22

+ sign -0.001+/-0.000 χ^2/NDF : 9953416362.6/42

All: 0.000+/-0.000 χ^2/NDF : 13105742776.9/8

- sign 0.001+/-0.000 χ^2/NDF : 3144775617.8/42

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2204467.8/17

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3726564.3/19

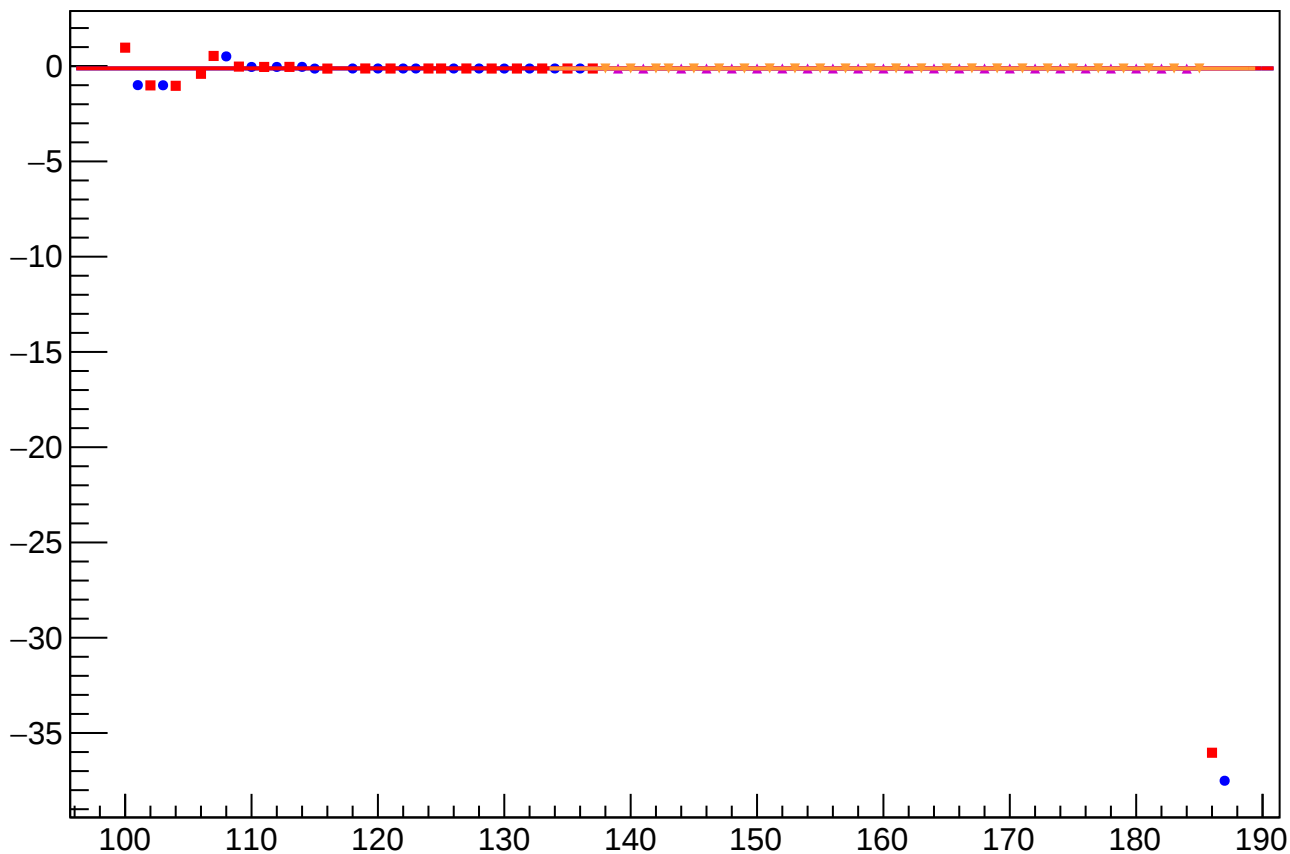
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 2812925.1/42

All: 0.002+/-0.000 χ^2/NDF : 7314450.4/85

- sign 0.002+/-0.000 χ^2/NDF : 4493674.5/42

yield_cav4cY_mean vs Slug



Right In: -0.120 ± 0.000 $\chi^2/\text{NDF}: 4099027707.2/17$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.115 ± 0.000 $\chi^2/\text{NDF}: 2498317388.1/19$

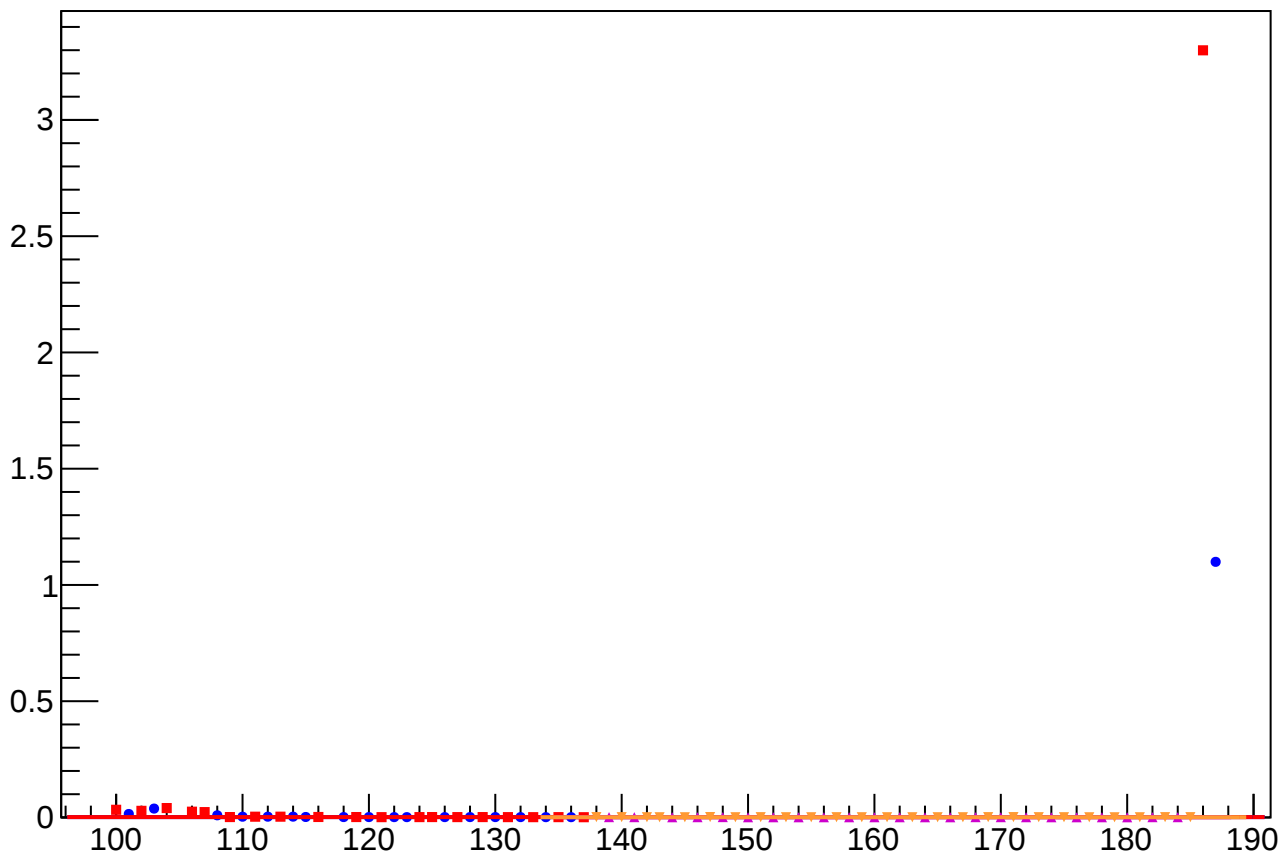
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.121 ± 0.000 $\chi^2/\text{NDF}: 4158357853.1/42$

All: -0.121 ± 0.000 $\chi^2/\text{NDF}: 6765703115.8/8$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 2603245367.9/42$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3184272.5/17

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4246759.1/19

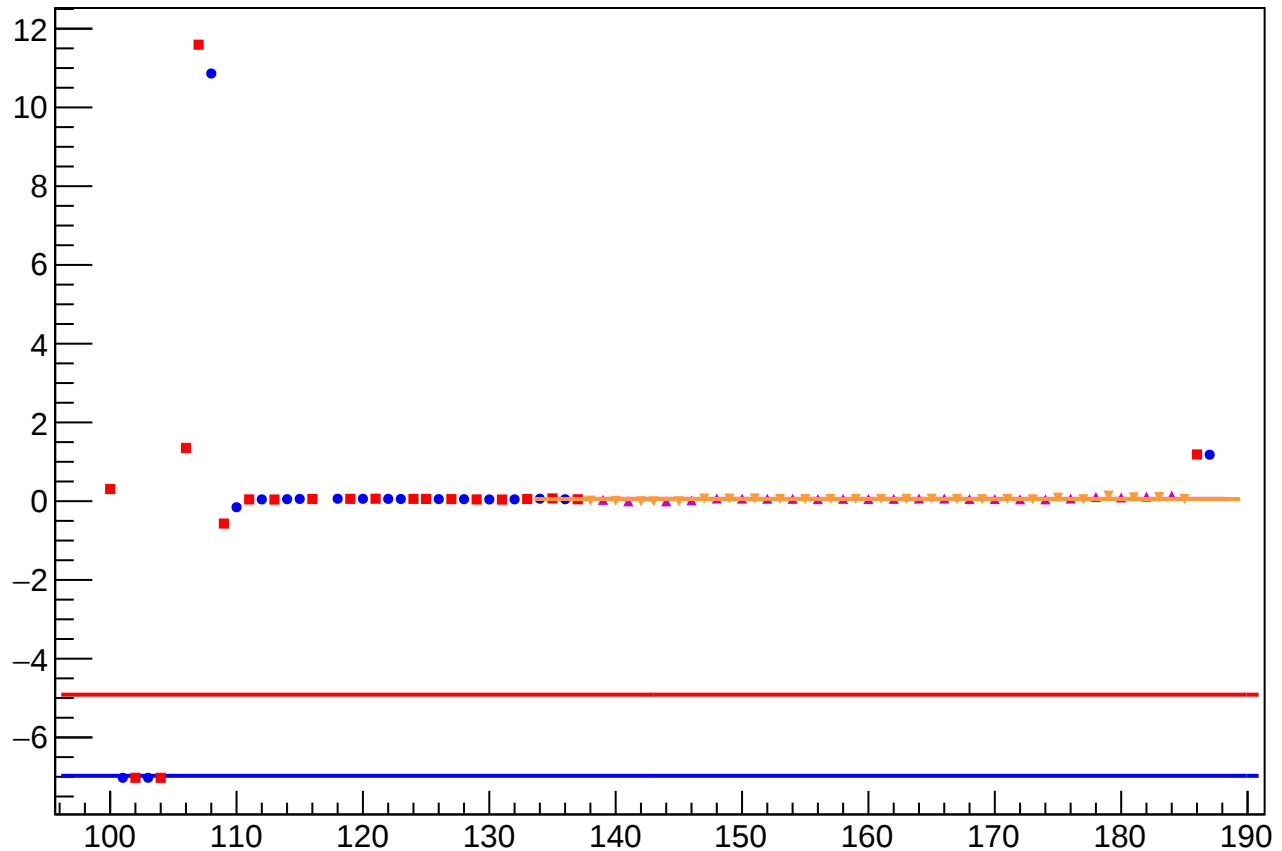
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 5702844.3/42

All: 0.001+/-0.000 χ^2/NDF : 12027781.1/85

- sign 0.001+/-0.000 χ^2/NDF : 6322952.0/42

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762457662678.7/17

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348546867901.9/19

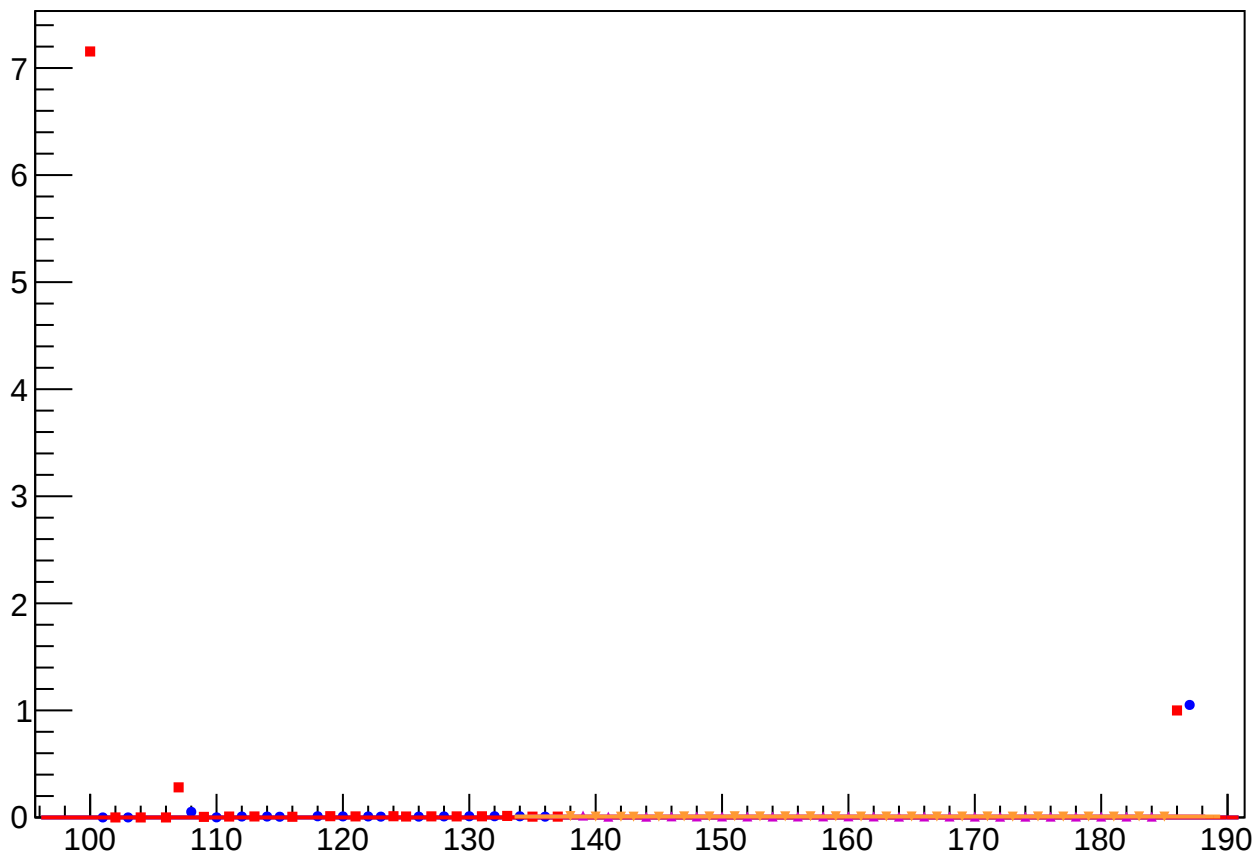
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417448297705.6/17

All: -5.858 ± 0.000 χ^2/NDF : 4435811822687.7/17

- sign -4.882 ± 0.000 χ^2/NDF : 369770838854560.1/17

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8511724.9/17

Left Out: 0.009+/-0.000 χ^2/NDF :513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9455873.0/19

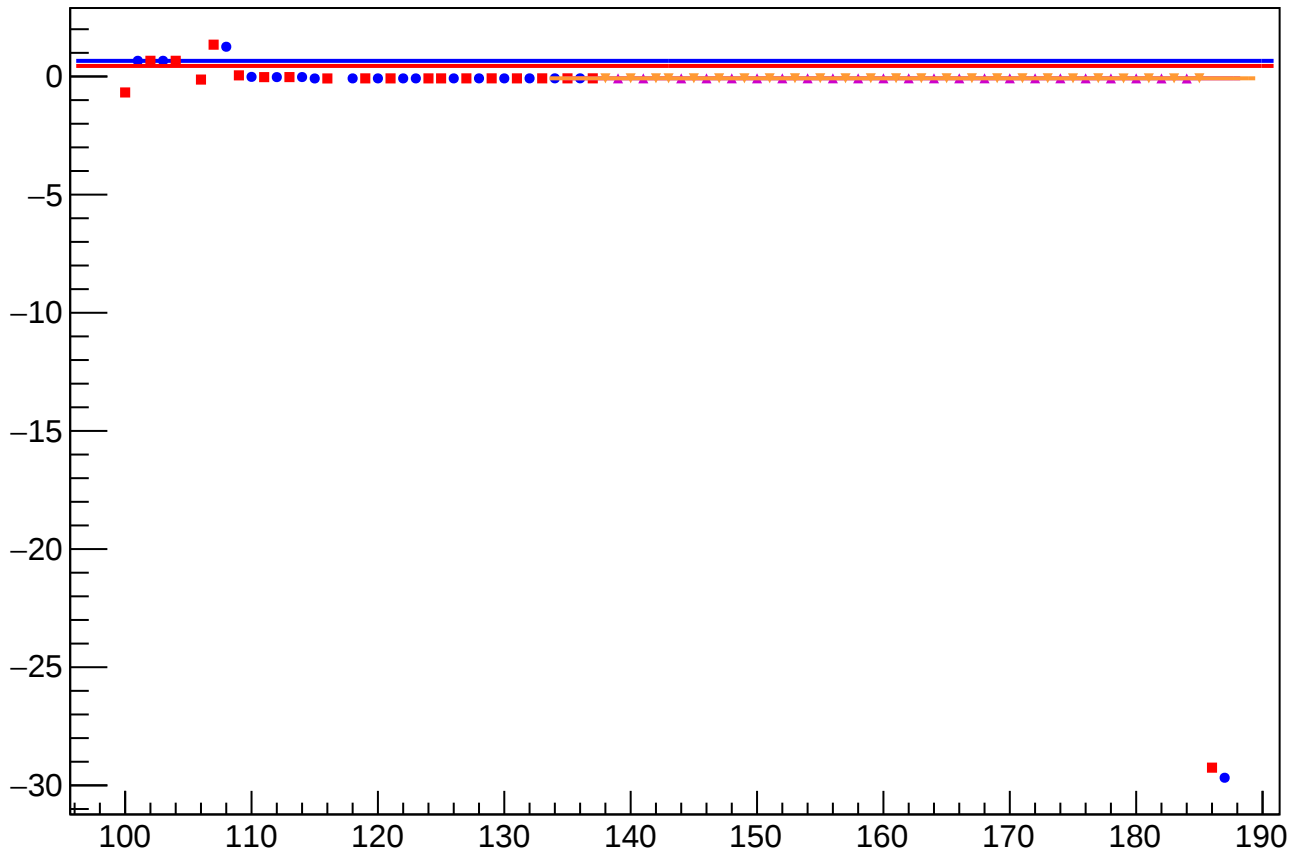
Left In: 0.009+/-0.000 χ^2/NDF :636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 37499793.6/42

All: 0.000+/-0.000 χ^2/NDF : 74634715.4/85

- sign 0.000+/-0.000 χ^2/NDF : 37130455.5/42

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5585314299449.2/17

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405416779429110.9/19

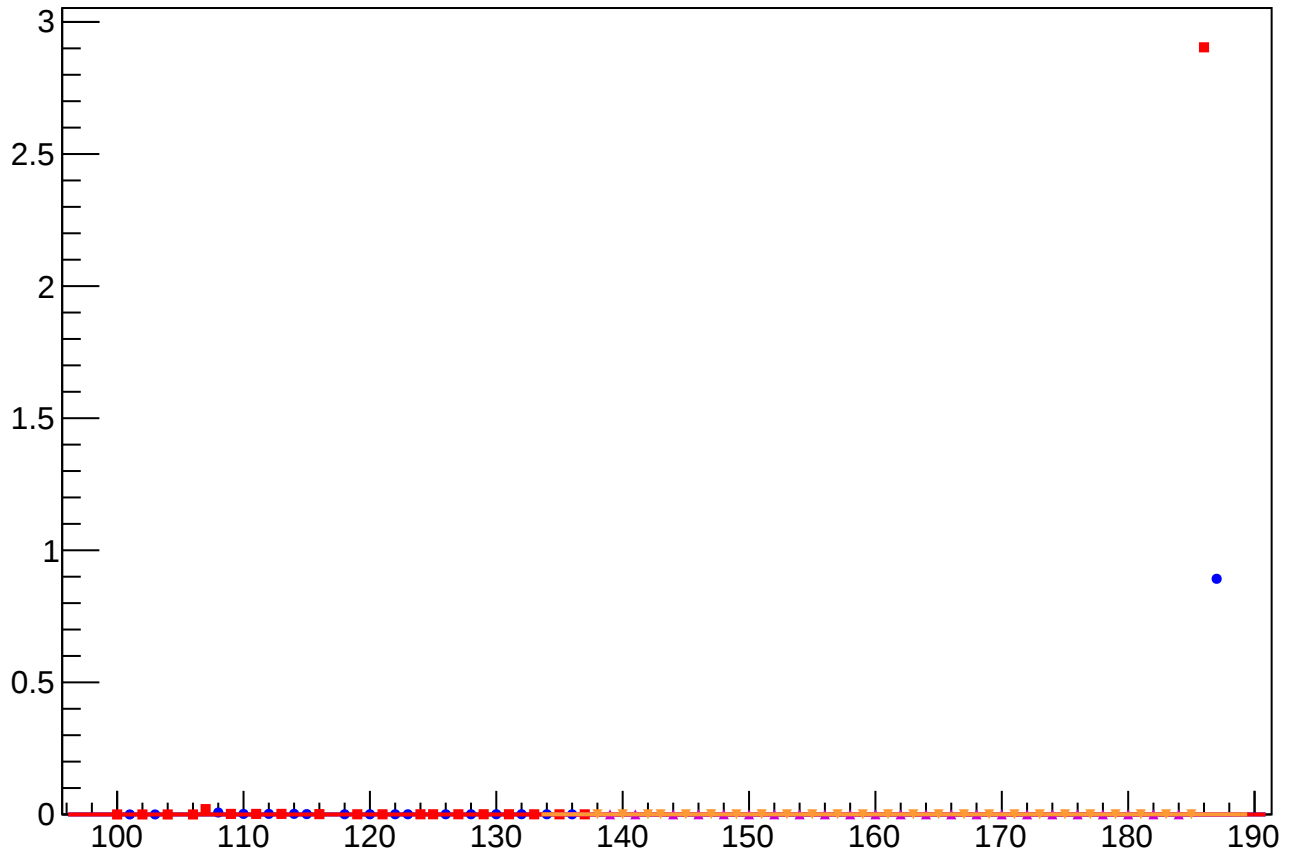
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35752828908400.4/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51598136312427

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419648332307406.1/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10117423.7/17

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10152999.5/19

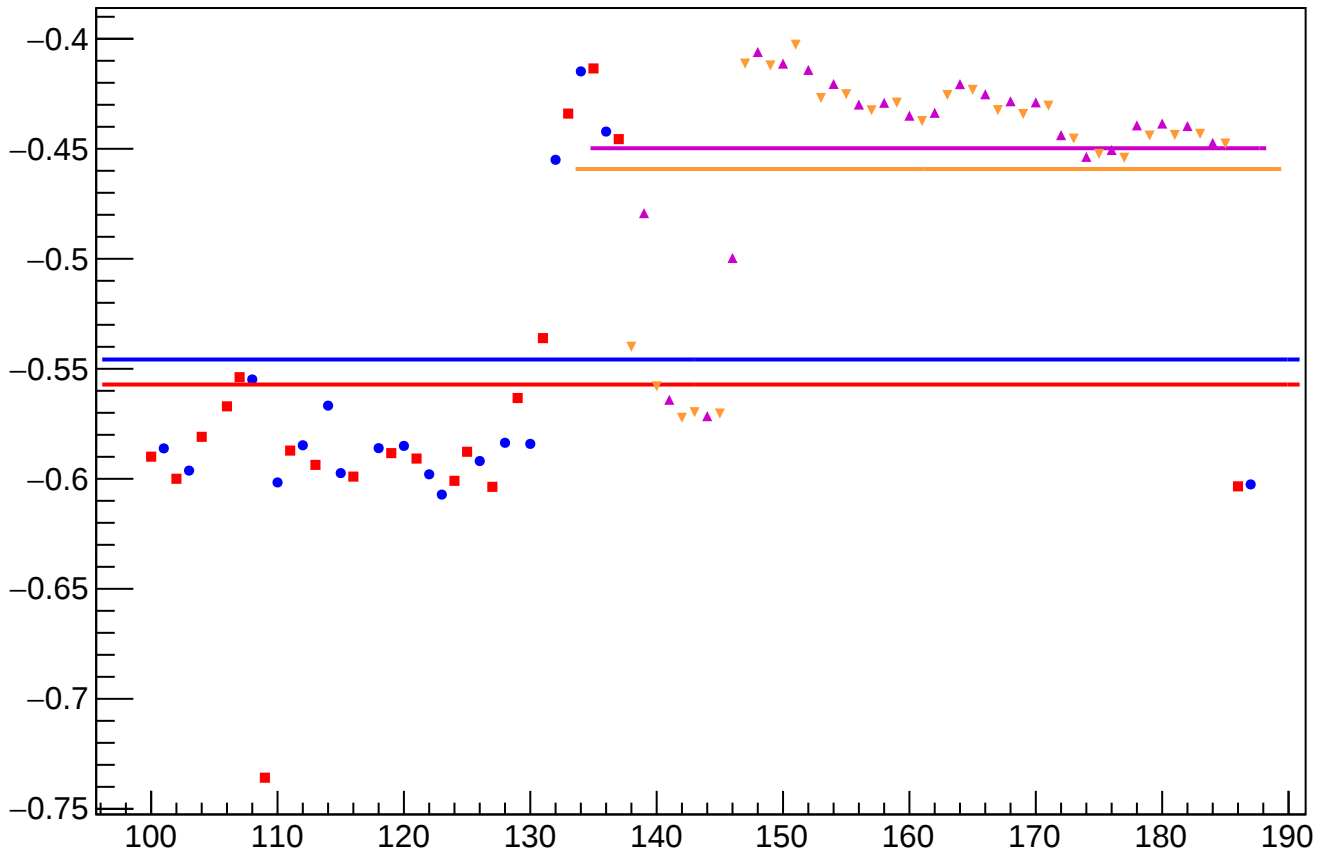
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 42767084.0/42

All: 0.000+/-0.000 χ^2/NDF : 83964454.5/85

- sign 0.000+/-0.000 χ^2/NDF : 41190222.1/42

yield_bpm4aX_mean vs Slug



Right In: -0.546+/-0.000 χ^2/NDF : 46557174.2/17

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.557+/-0.000 χ^2/NDF : 64138565.6/19

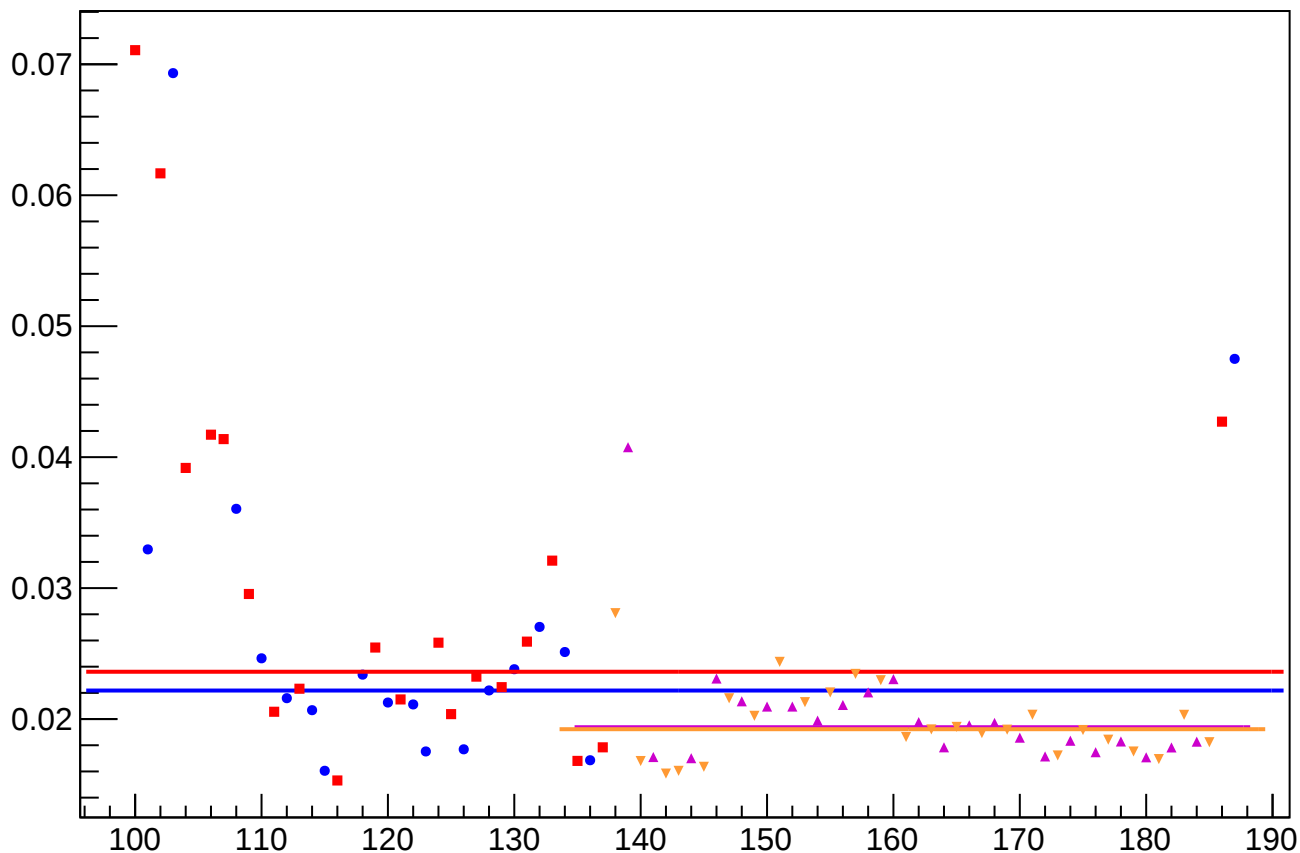
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.477+/-0.000 χ^2/NDF : 222509527.7/42

All: -0.475+/-0.000 χ^2/NDF : 454460270.3/85

- sign -0.472+/-0.000 χ^2/NDF : 231434632.8/42

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 1039270.0/17

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501253.7/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 1297162.1/19

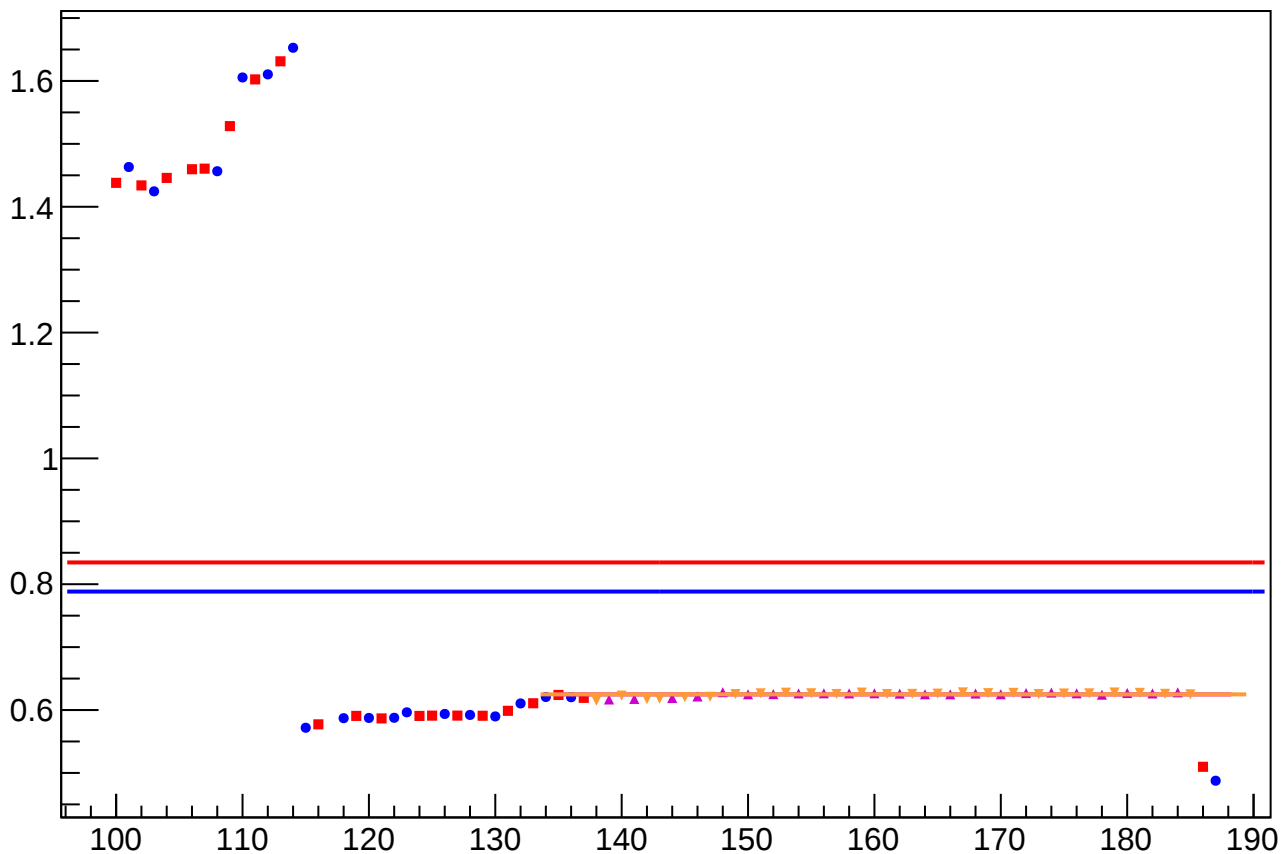
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 656155.9/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1685097.4/42

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3931357.8/85

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2236865.0/42

yield_bpm4aY_mean vs Slug



Right In: 0.788 ± 0.000 χ^2/NDF : 3577613437.4/17

Left Out: 0.625 ± 0.000 χ^2/NDF : 1442225.6/24

Right Out: 0.835 ± 0.000 χ^2/NDF : 4147427451.5/19

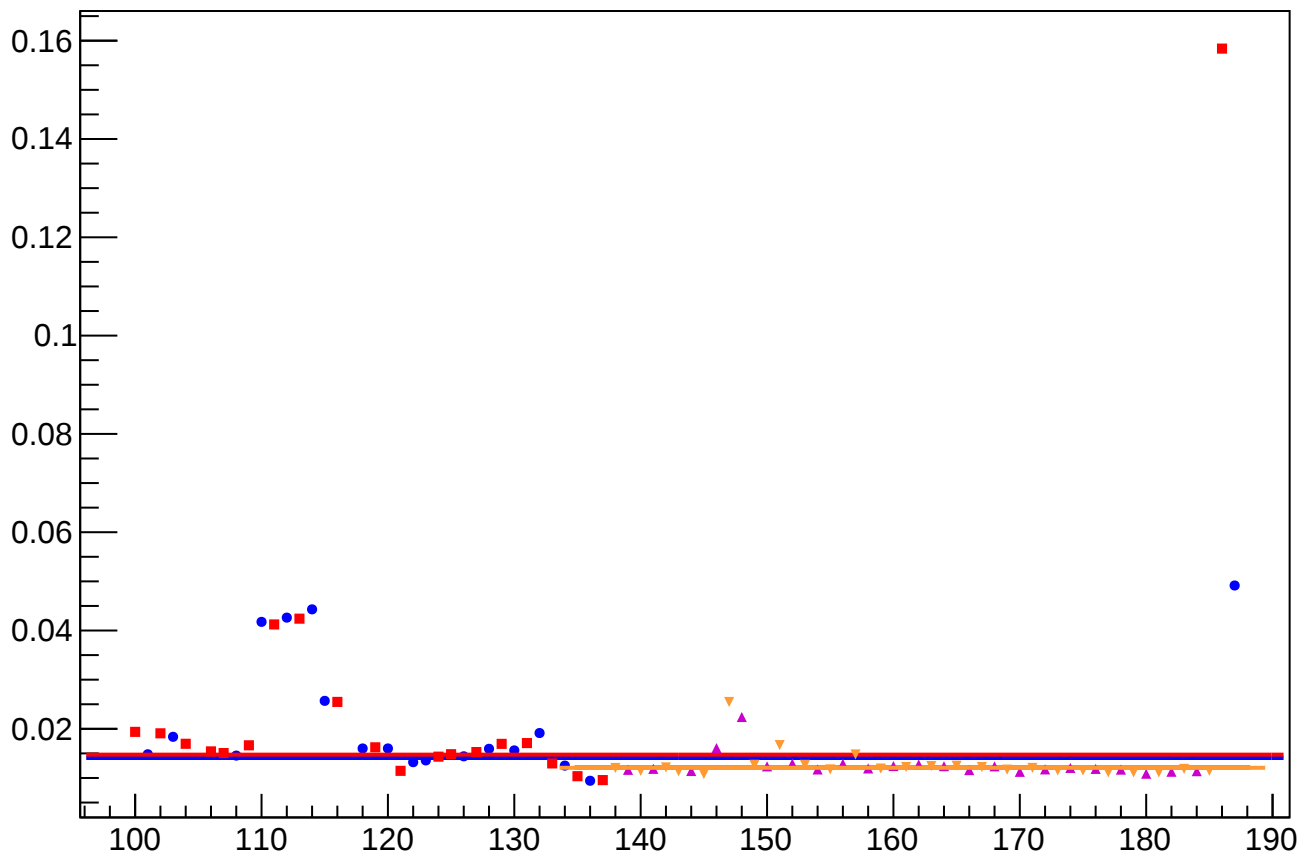
Left In: 0.625 ± 0.000 χ^2/NDF : 1135039.4/22

+ sign 0.656 ± 0.000 χ^2/NDF : 4197819535.6/42

All: 0.661 ± 0.000 χ^2/NDF : 9337836502.9/85

- sign 0.666 ± 0.000 χ^2/NDF : 5133016064.1/42

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1538609.1/17

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1842922.5/19

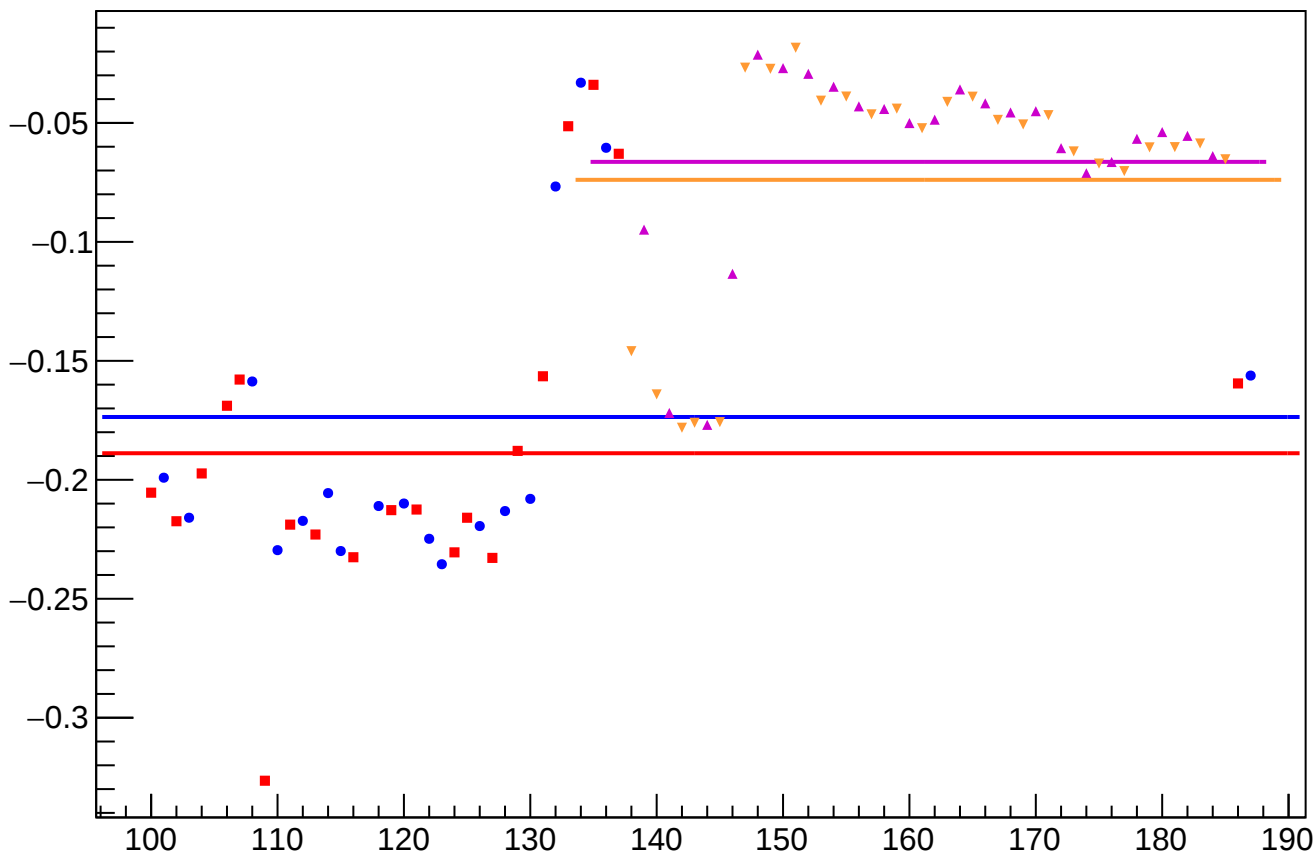
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488249.4/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2380677.4/42

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5022440.8/85

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2636340.0/42

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 66859318.9/17

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.189+/-0.000 χ^2/NDF : 81602165.2/19

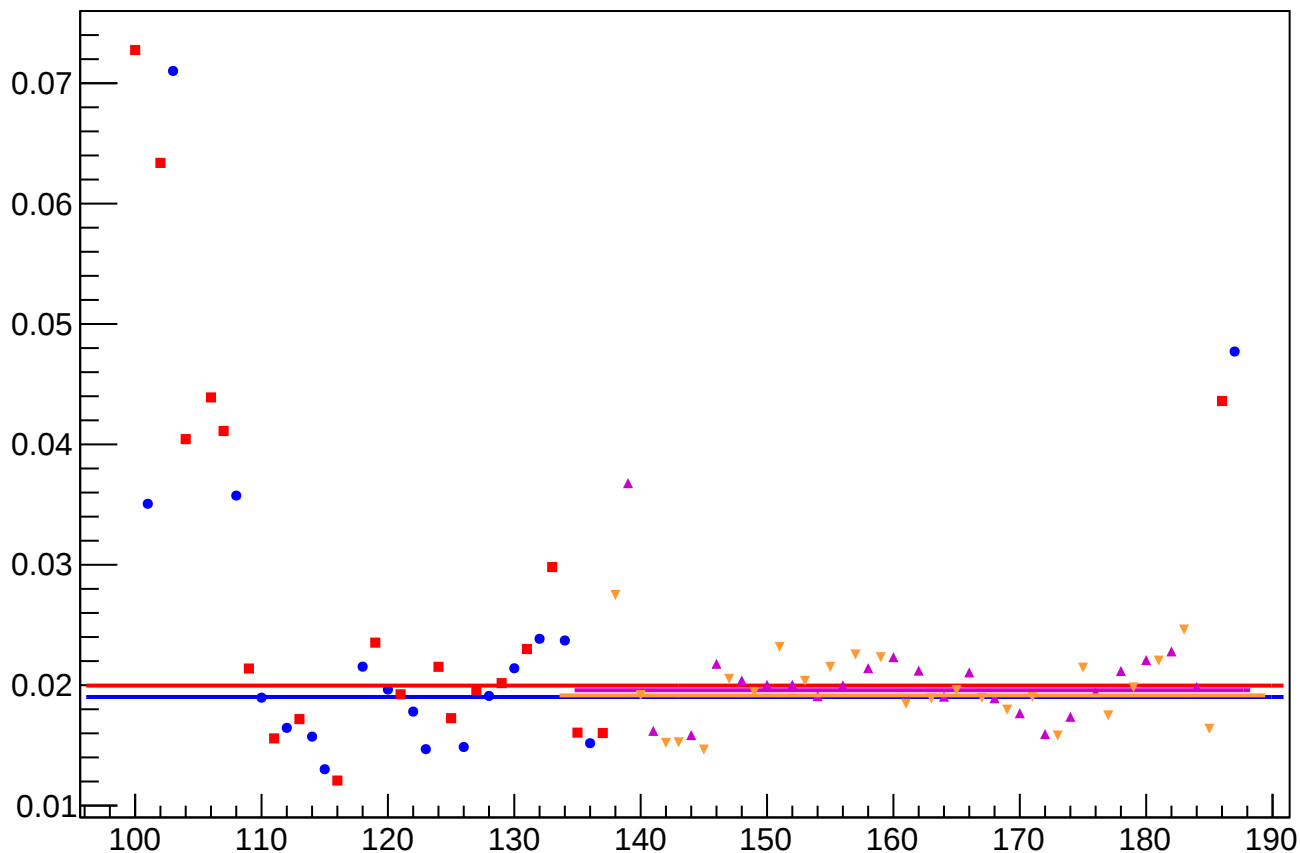
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.099+/-0.000 χ^2/NDF : 277980383.1/42

All: -0.099+/-0.000 χ^2/NDF : 585362261.2/85

- sign -0.099+/-0.000 χ^2/NDF : 307381631.7/42

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1315396.6/17

Left Out: 0.019+/-0.000 χ^2/NDF : 641027.3/24

Right Out: 0.020+/-0.000 χ^2/NDF : 1661485.7/19

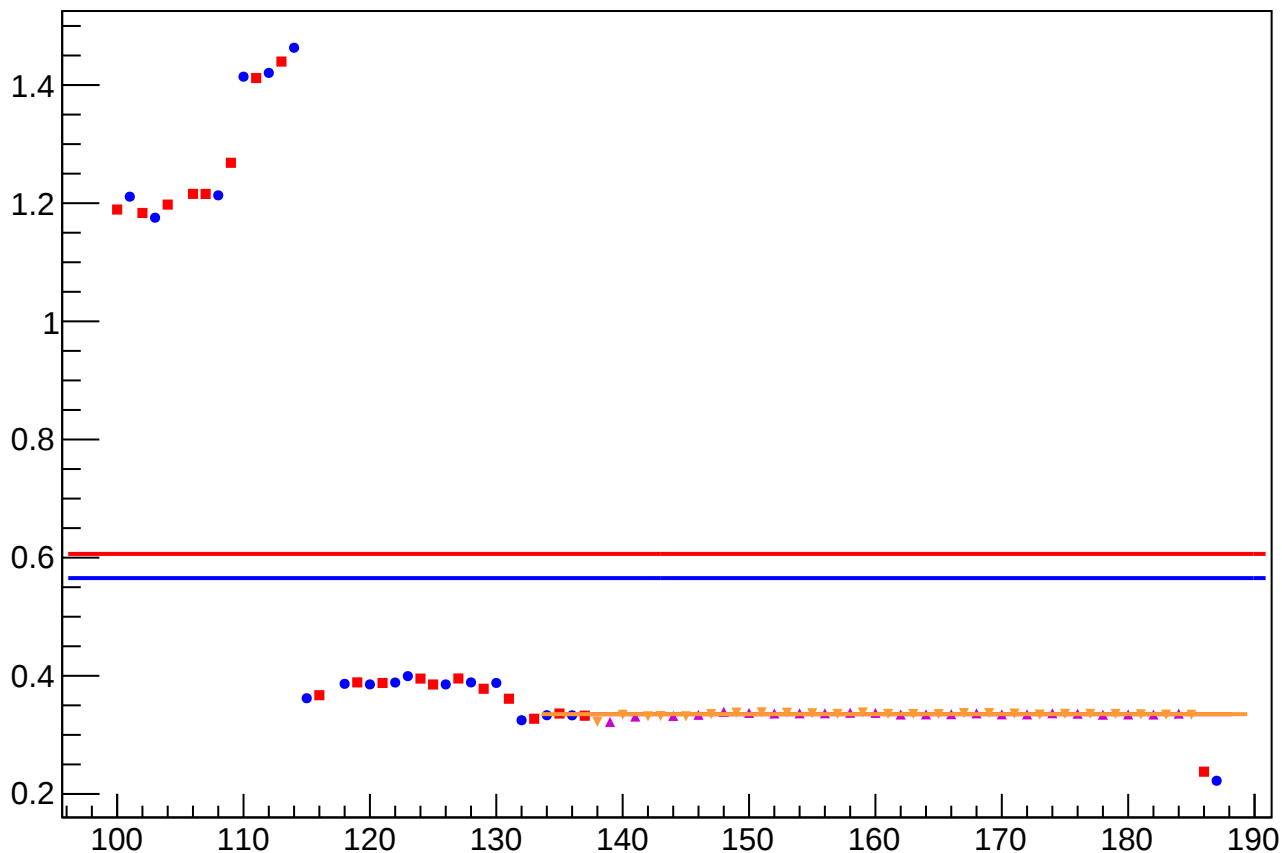
Left In: 0.020+/-0.000 χ^2/NDF : 651328.7/22

+ sign 0.019+/-0.000 χ^2/NDF : 1956813.2/42

All: 0.019+/-0.000 χ^2/NDF : 4289376.8/85

- sign 0.020+/-0.000 χ^2/NDF : 2315784.2/42

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5041212176.7/17

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.606+/-0.000 χ^2/NDF : 5525190982.5/19

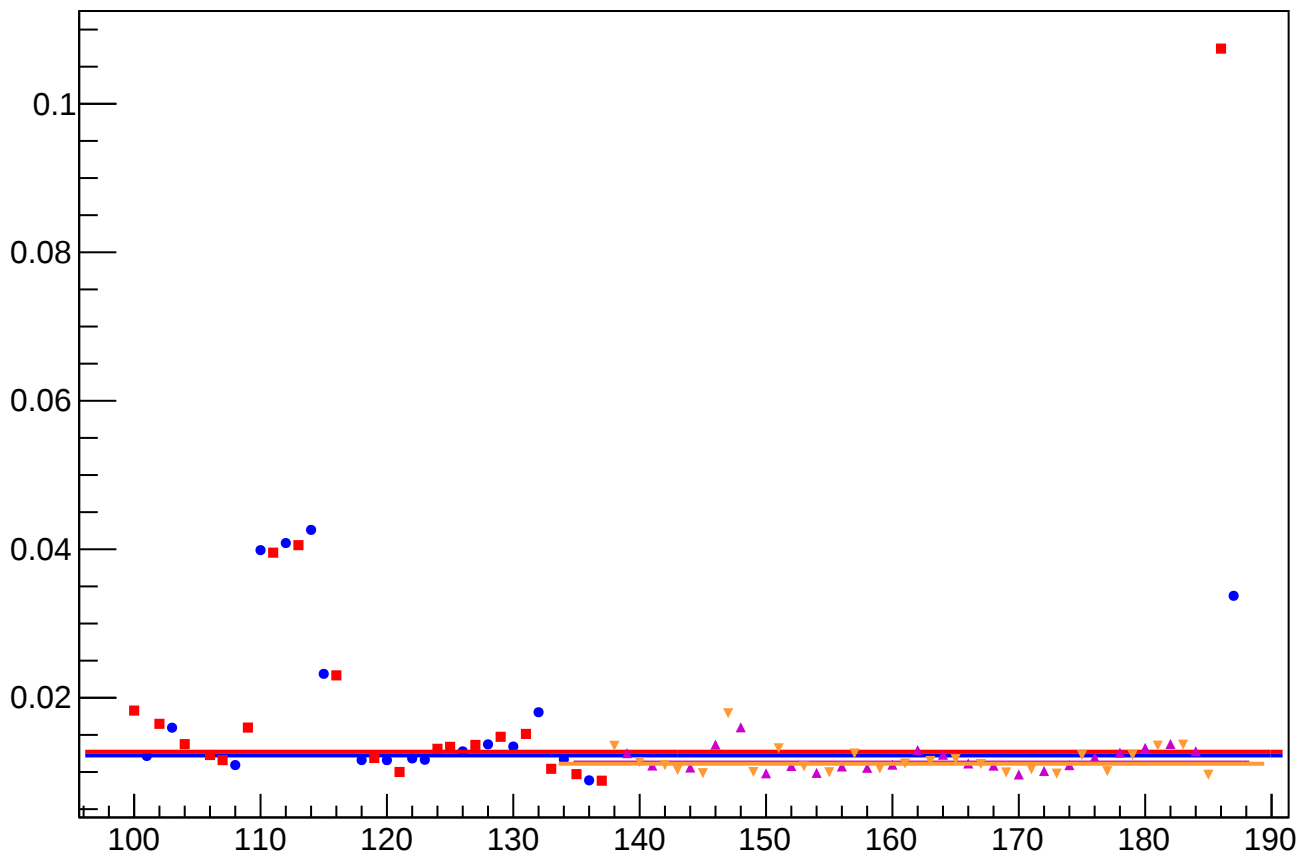
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.384+/-0.000 χ^2/NDF : 6627631050.0/42

All: 0.389+/-0.000 χ^2/NDF : 14271193101.8/8

- sign 0.394+/-0.000 χ^2/NDF : 7633626864.7/42

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1417550.7/17

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1819205.3/19

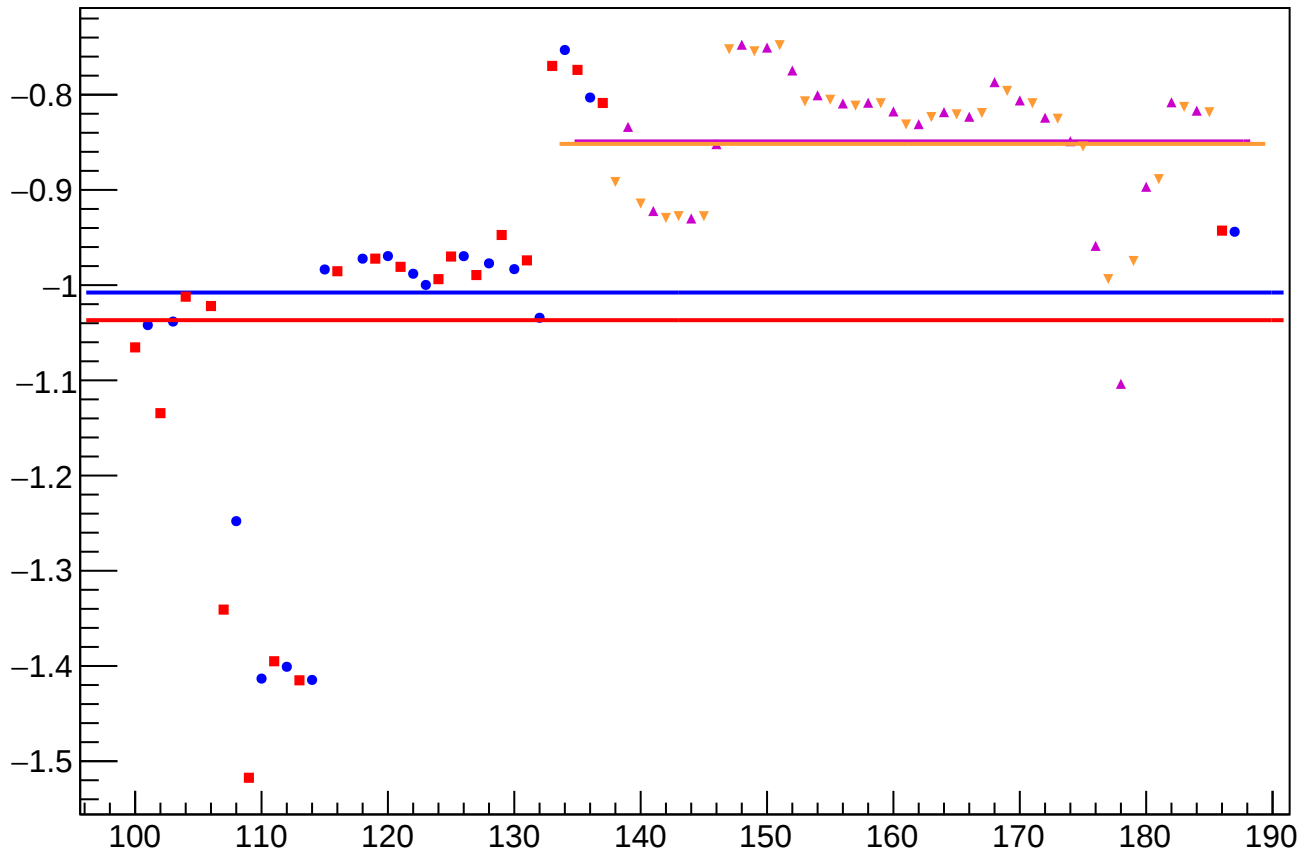
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502226.7/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2100390.2/42

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4554552.6/85

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2443966.1/42

yield_bpm4acX_mean vs Slug



Right In: -1.008 ± 0.000 χ^2/NDF : 393366862.4/17

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.037 ± 0.000 χ^2/NDF : 536301392.2/19

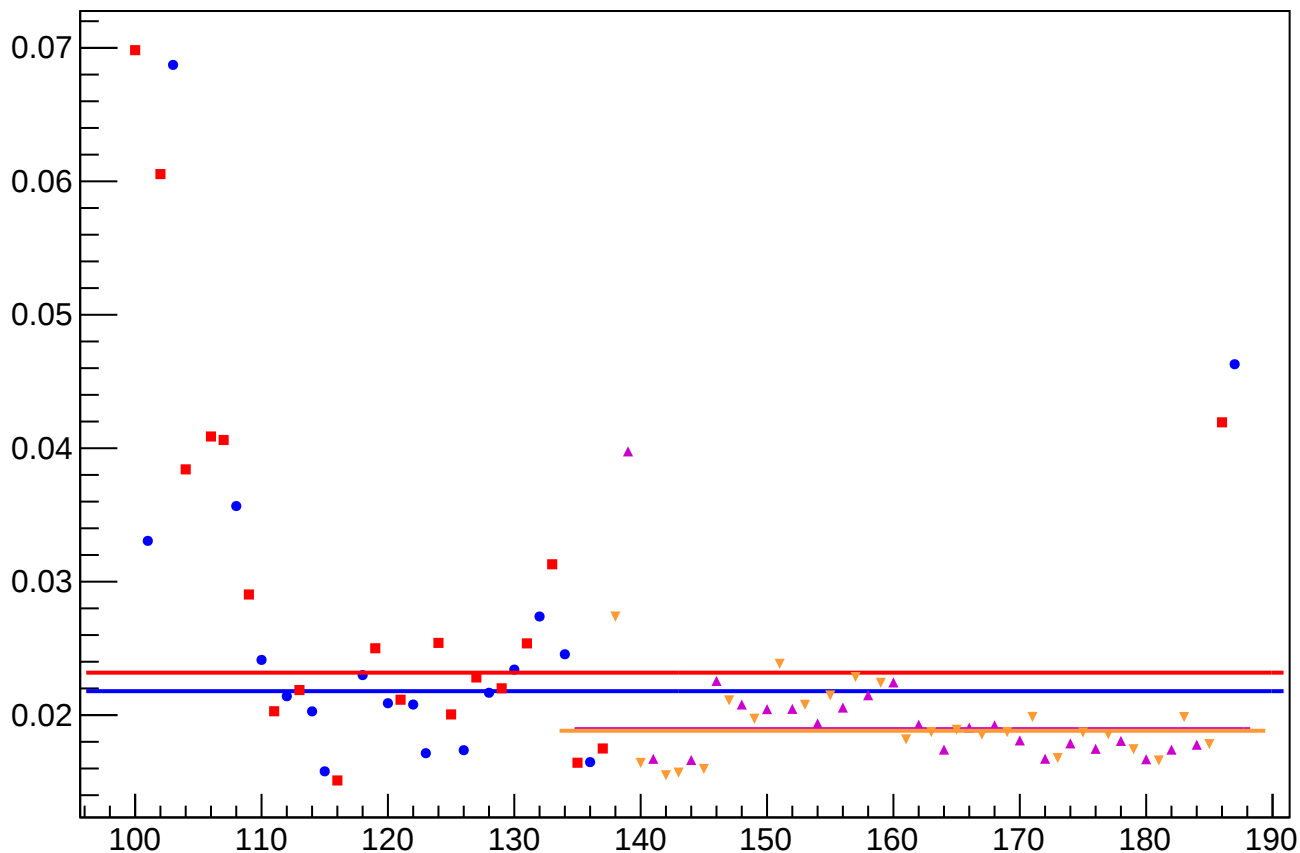
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 791919865.7/42

All: -0.886 ± 0.000 χ^2/NDF : 1874275612.8/8

- sign -0.888 ± 0.000 χ^2/NDF : 1081770132.7/42

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 1063229.4/17

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490084.5/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1293319.4/19

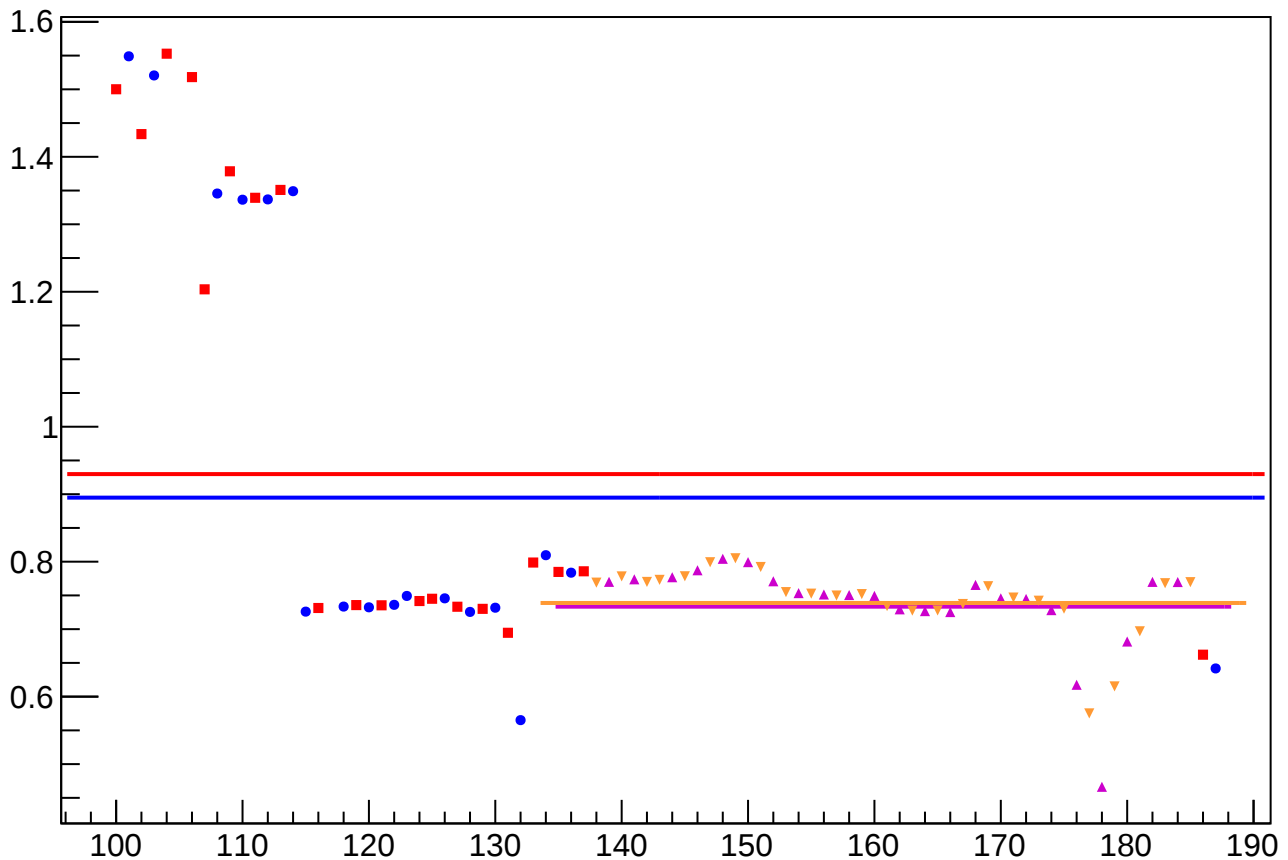
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1704500.2/42

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3944793.9/85

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2232076.1/42

yield_bpm4acY_mean vs Slug



Right In: 0.895 $\pm$ 0.000 χ^2 /NDF: 2396726627.2/17

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

+ sign 0.768 $\pm$ 0.000 χ^2 /NDF: 3275821054.0/42

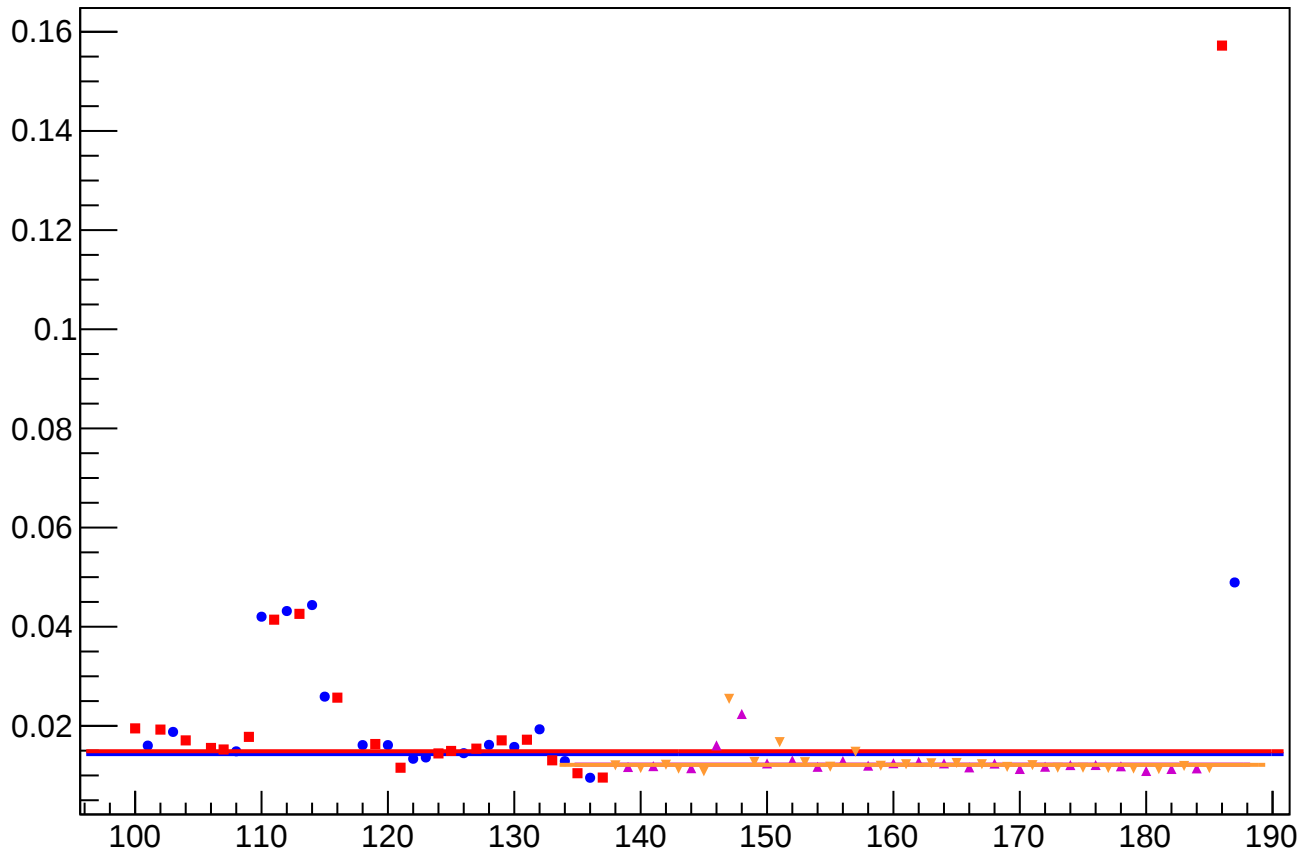
Right Out: 0.930 $\pm$ 0.000 χ^2 /NDF: 2421113217.2/19

All: 0.770 $\pm$ 0.000 χ^2 /NDF: 7114162628.2/85

- sign 0.771 $\pm$ 0.000 χ^2 /NDF: 3837524812.6/42

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1546470.0/17

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1851004.2/19

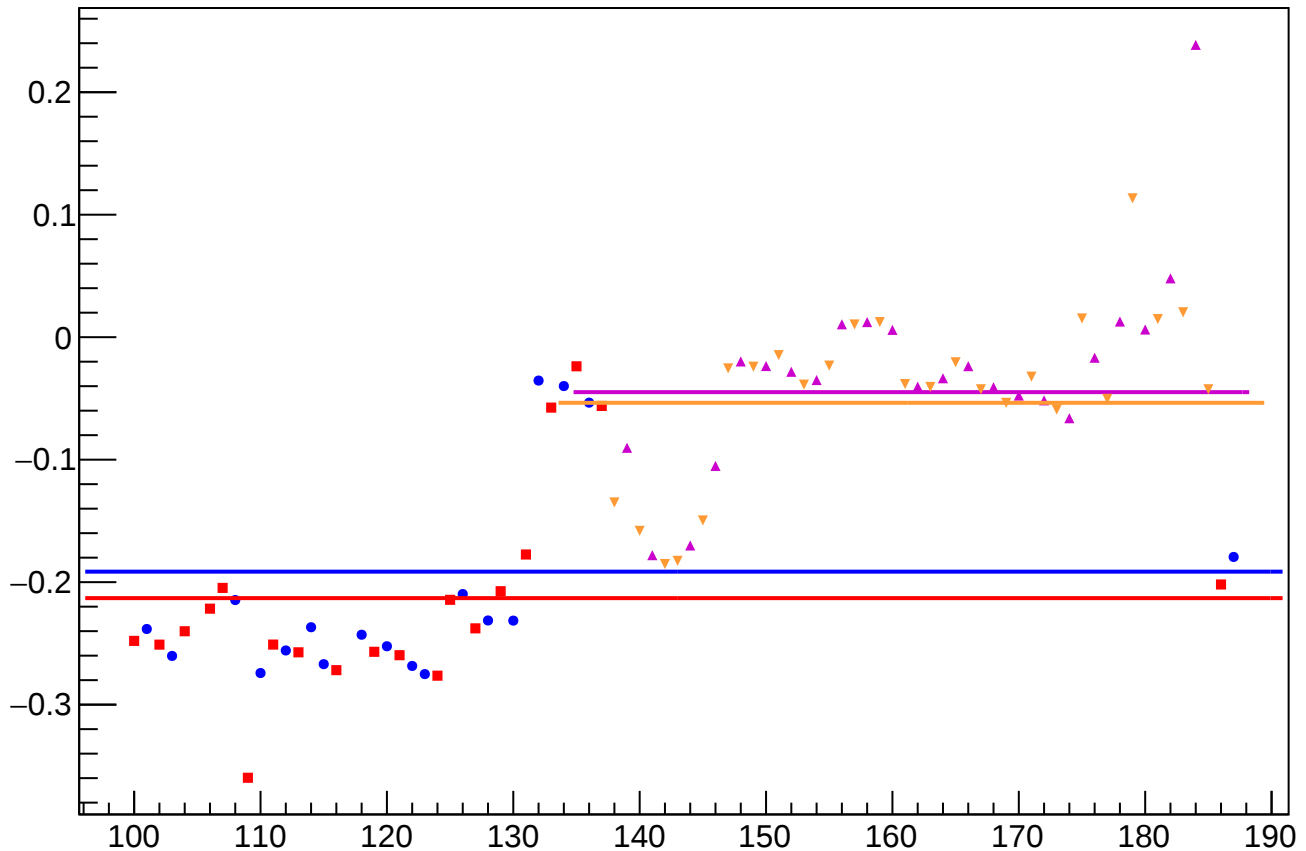
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 2394066.1/42

All: 0.013+/-0.000 χ^2/NDF : 5049270.0/85

- sign 0.013+/-0.000 χ^2/NDF : 2651200.9/42

yield_bpm4ecX_mean vs Slug



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 105965882.8/17$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167879648.0/24$

Right Out: -0.213 ± 0.000 $\chi^2/\text{NDF}: 109627554.4/19$

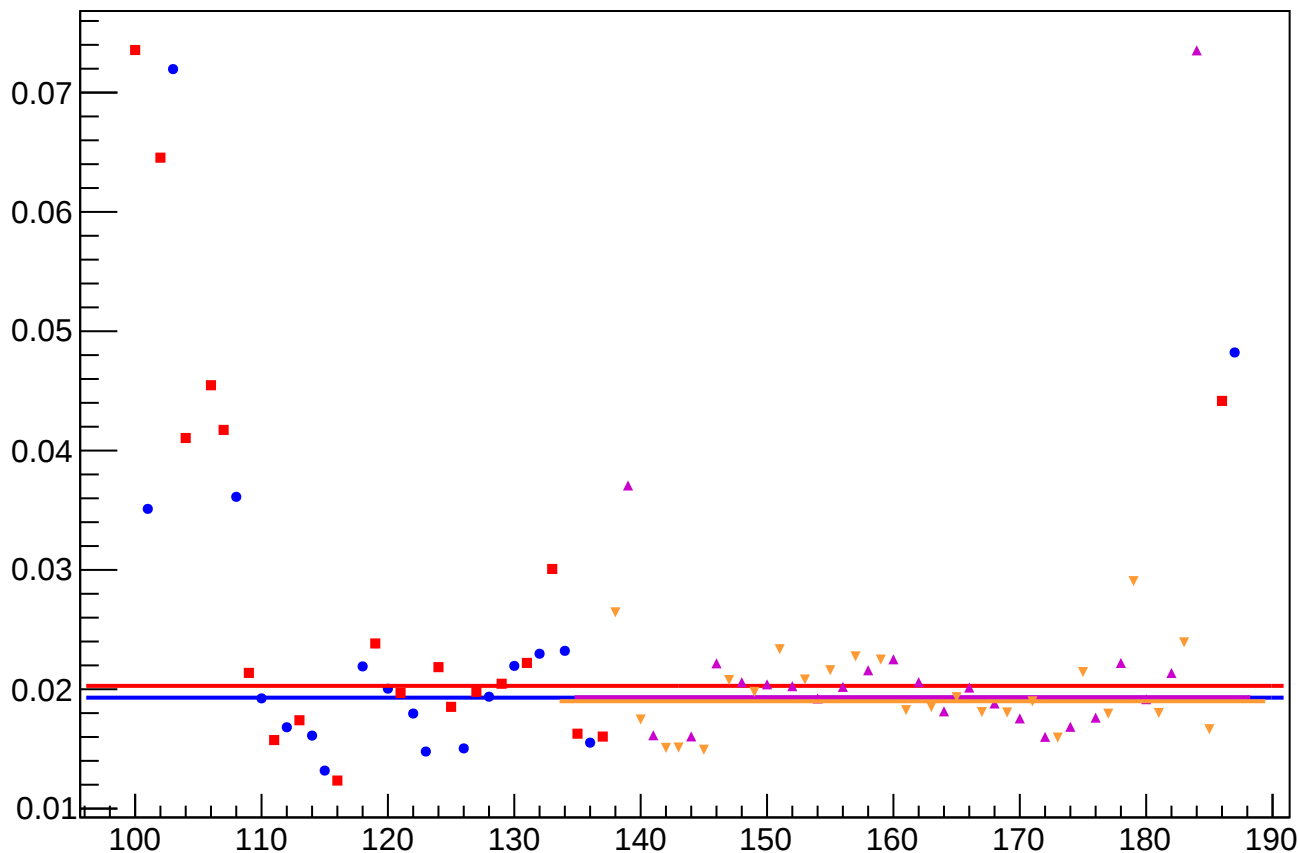
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127324000.1/22$

+ sign -0.088 ± 0.000 $\chi^2/\text{NDF}: 466526358.7/42$

All: -0.088 ± 0.000 $\chi^2/\text{NDF}: 978331529.0/85$

- sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 511794364.1/42$

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1285850.9/17

Left Out: 0.019+/-0.000 χ^2/NDF : 699267.5/24

Right Out: 0.020+/-0.000 χ^2/NDF : 1651236.9/19

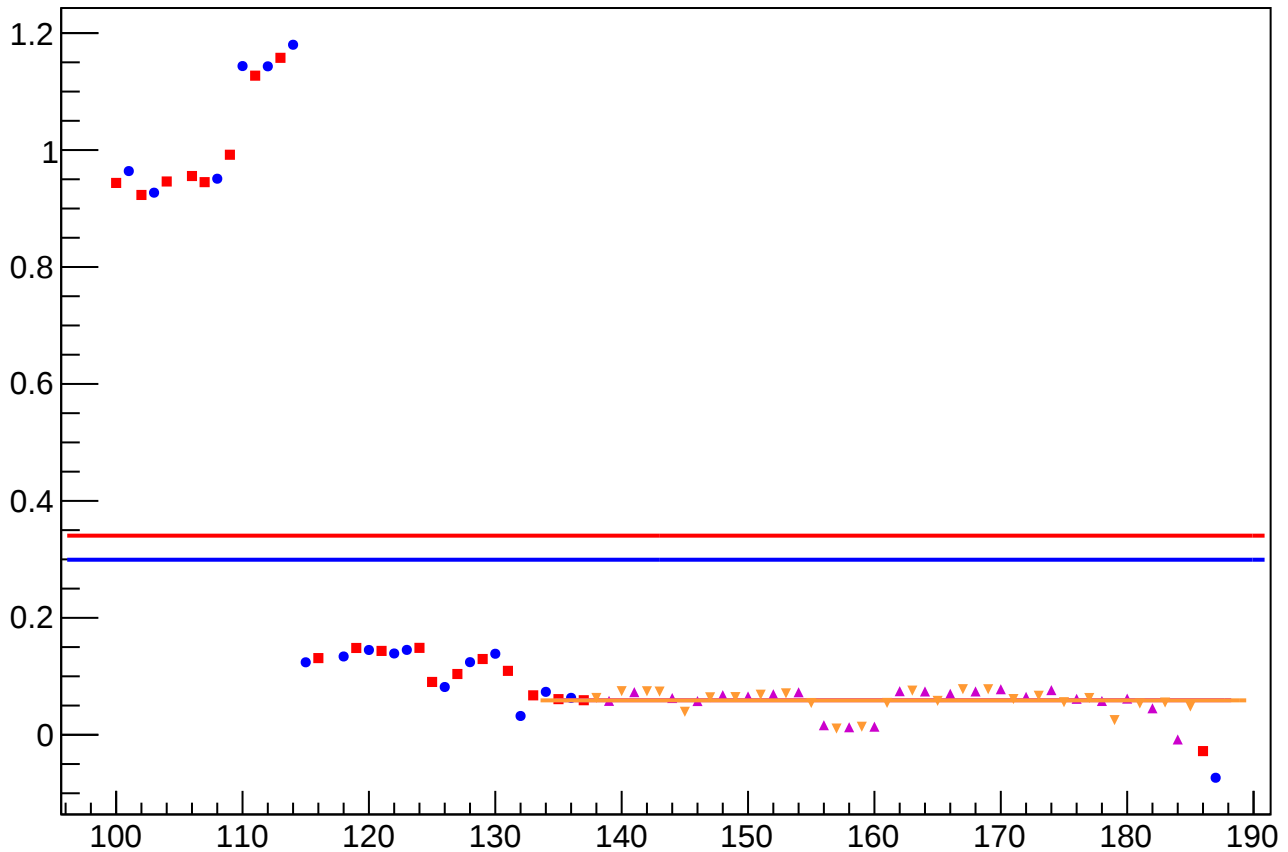
Left In: 0.019+/-0.000 χ^2/NDF : 892810.7/22

+ sign 0.019+/-0.000 χ^2/NDF : 1986930.0/42

All: 0.019+/-0.000 χ^2/NDF : 4562086.7/85

- sign 0.020+/-0.000 χ^2/NDF : 2561722.2/42

yield_bpm4ecY_mean vs Slug



Right In: 0.299 $\pm$ 0.000 χ^2 /NDF: 5187571356.7/17

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

+ sign 0.109 $\pm$ 0.000 χ^2 /NDF: 6990109178.8/42

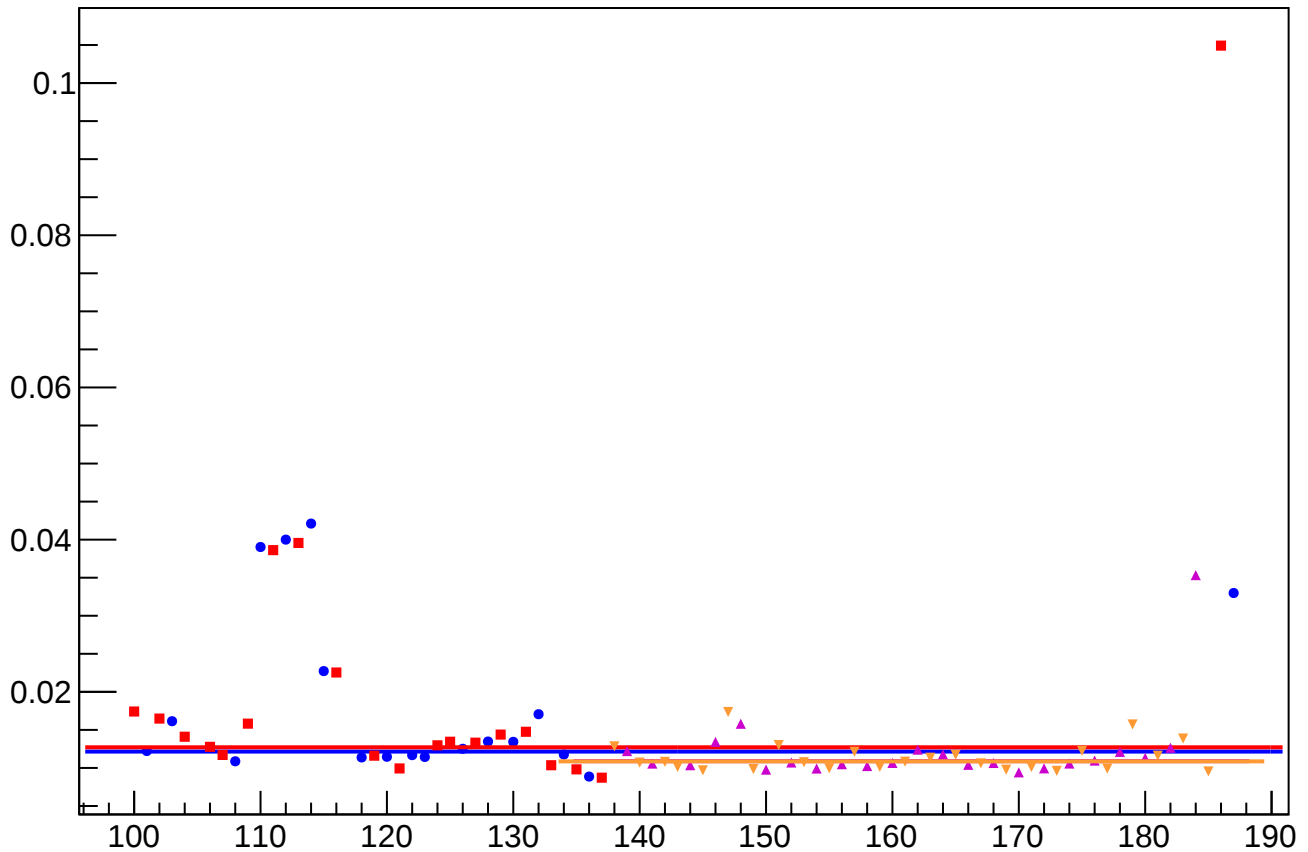
Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5470120538.7/19

All: 0.114 $\pm$ 0.000 χ^2 /NDF: 14821805263.4/8

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

- sign 0.119 $\pm$ 0.000 χ^2 /NDF: 7824084209.8/42

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1388242.7/17

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1784798.7/19

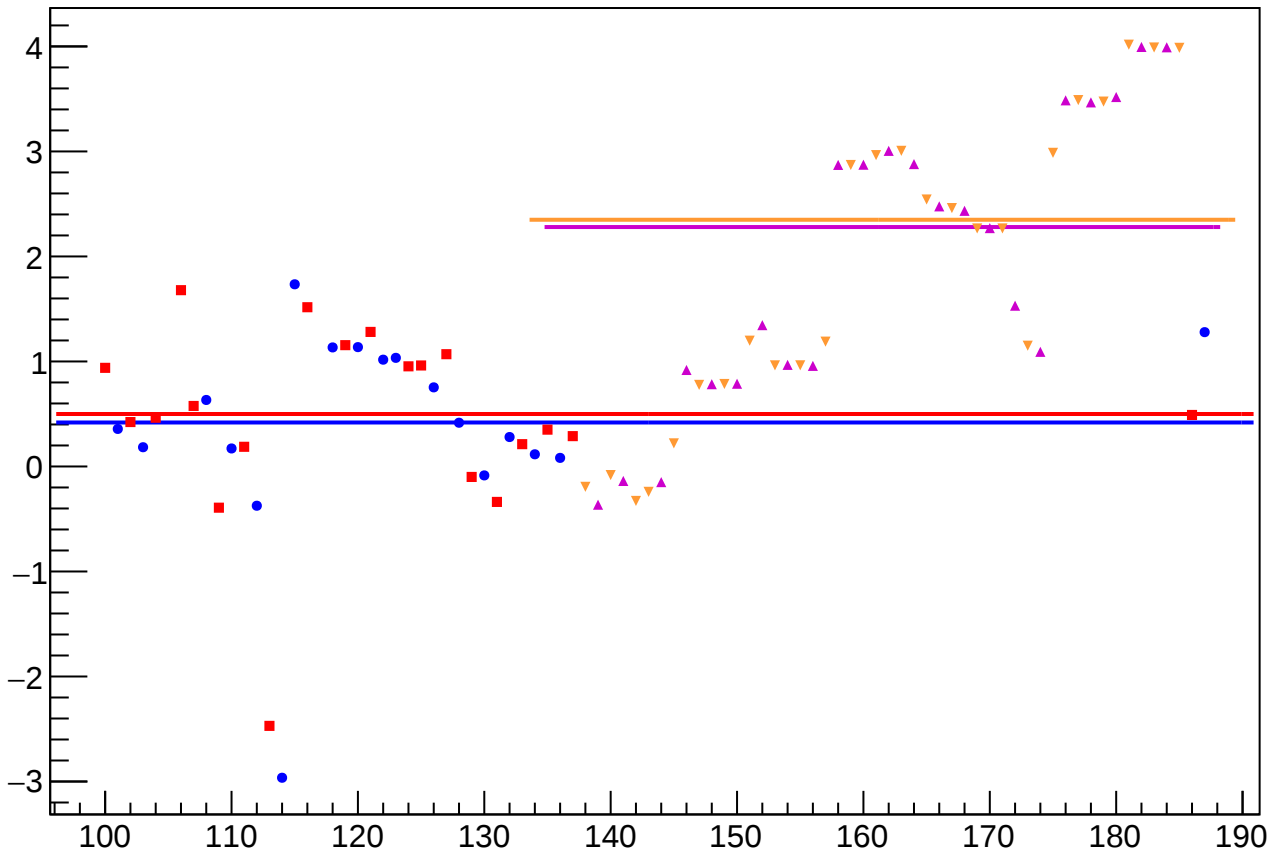
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2094262.6/42

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4605268.3/85

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2507382.5/42

yield_bpm1X_mean vs Slug



Right In: 0.419 ± 0.000 χ^2/NDF : 293093704.1/17

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: 0.500 ± 0.000 χ^2/NDF : 983086023.6/19

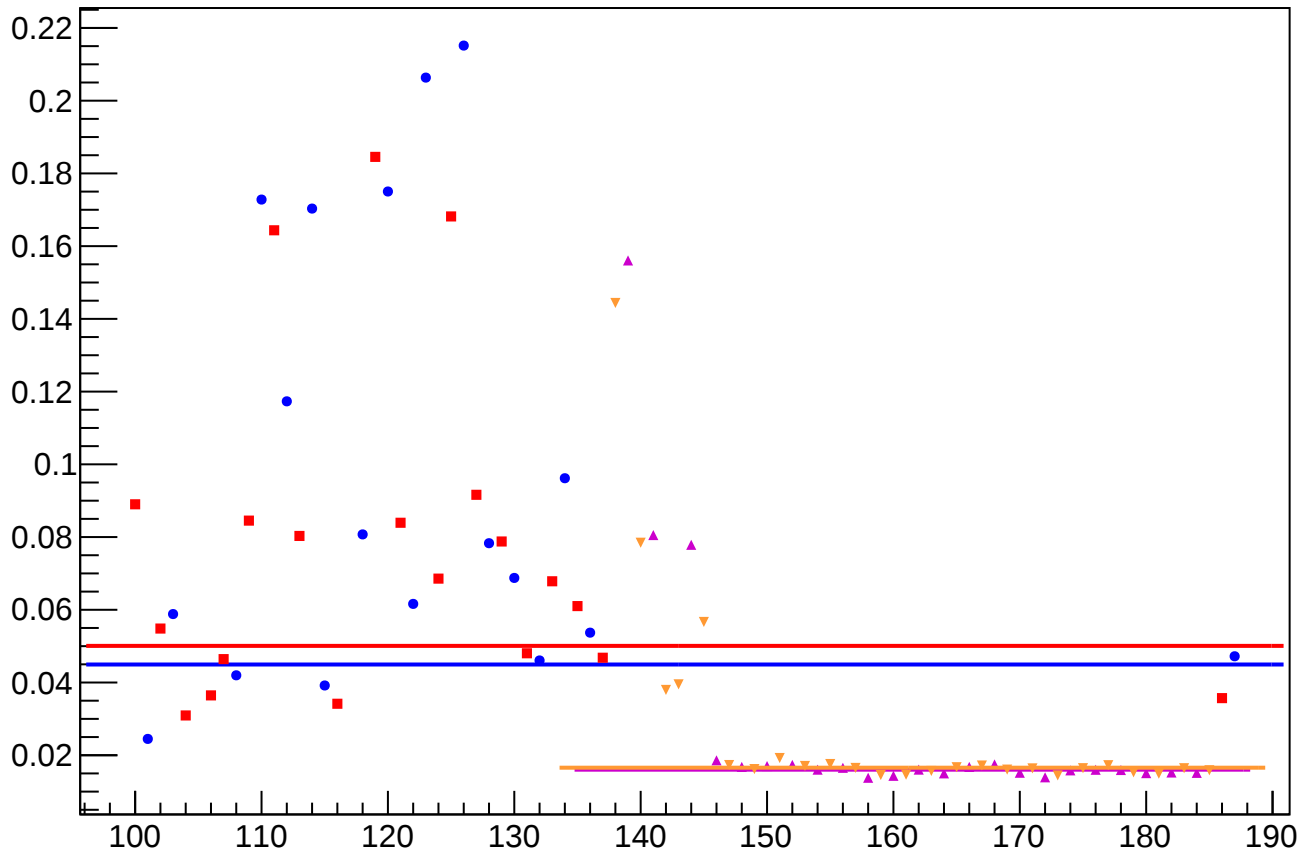
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.283 ± 0.000 χ^2/NDF : 70410562959.0/42

All: 2.253 ± 0.000 χ^2/NDF : 138291209301.4

- sign 2.222 ± 0.000 χ^2/NDF : 67781319649.5/42

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2773557.7/17

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.050 $\pm$ 0.000 χ^2 /NDF: 2304770.5/19

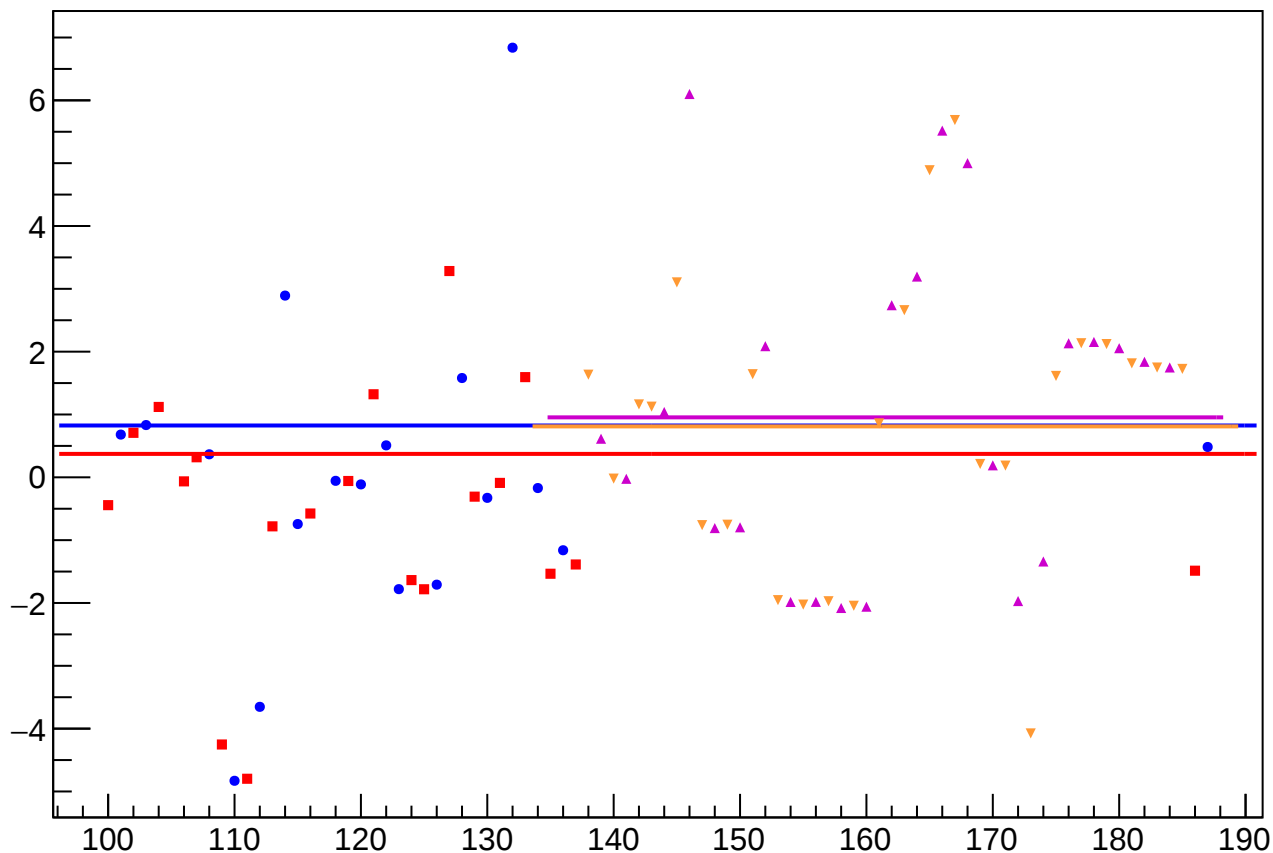
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8213120.0/42

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 16906287.6/85

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 8683990.3/42

yield_bpm1Y_mean vs Slug



Right In: 0.825 ± 0.000 $\chi^2/\text{NDF}: 10946587763.6/17$

Left Out: 0.810 ± 0.000 $\chi^2/\text{NDF}: 507583198570.2/24$

Right Out: 0.373 ± 0.000 $\chi^2/\text{NDF}: 4967504159.4/19$

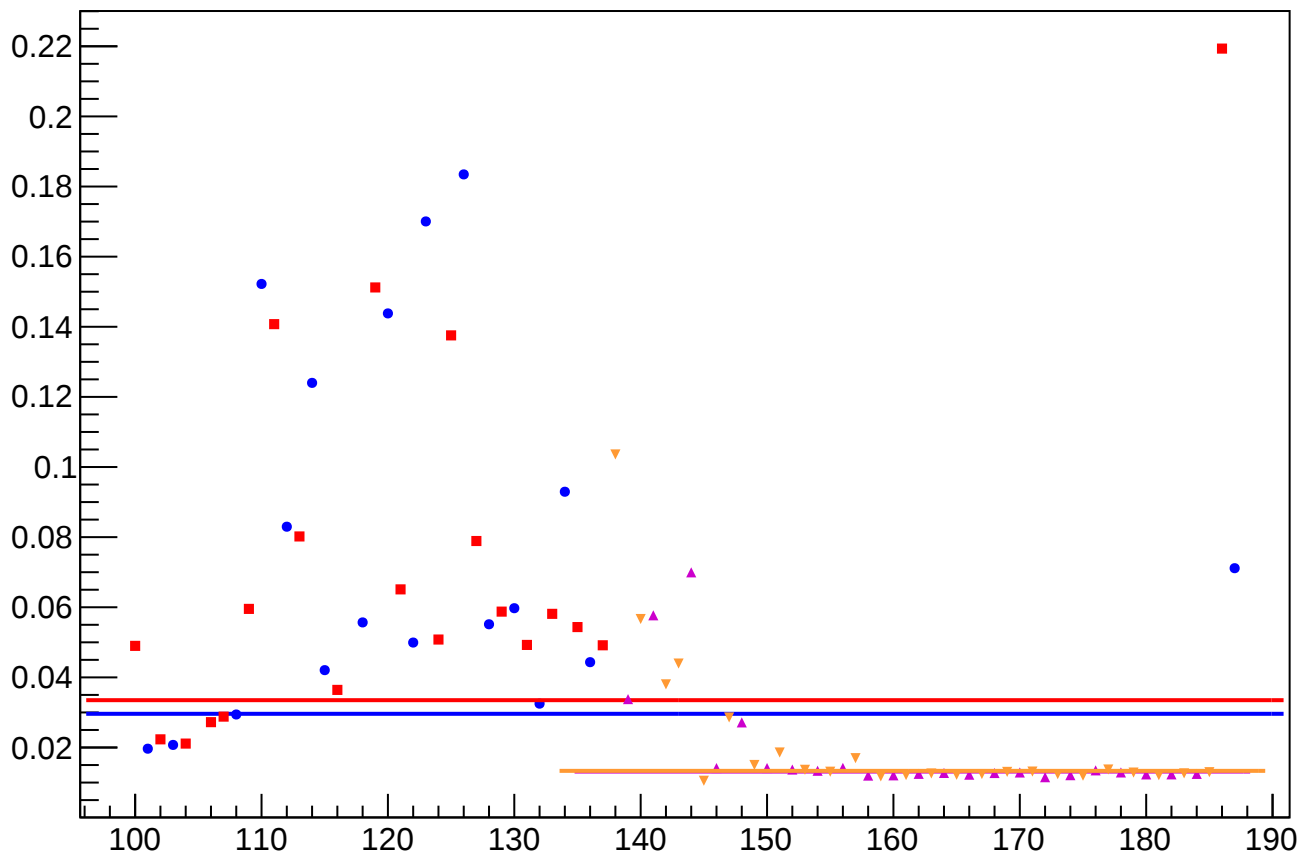
Left In: 0.954 ± 0.000 $\chi^2/\text{NDF}: 574792794608.3/22$

+ sign 0.811 ± 0.000 $\chi^2/\text{NDF}: 518530580172.6/42$

All: 0.871 ± 0.000 $\chi^2/\text{NDF}: 1100073974746.$

- sign 0.931 ± 0.000 $\chi^2/\text{NDF}: 580896883438.3/42$

yield_bpm1Y_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 3062796.5/17

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2829070.5/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3584780.9/19

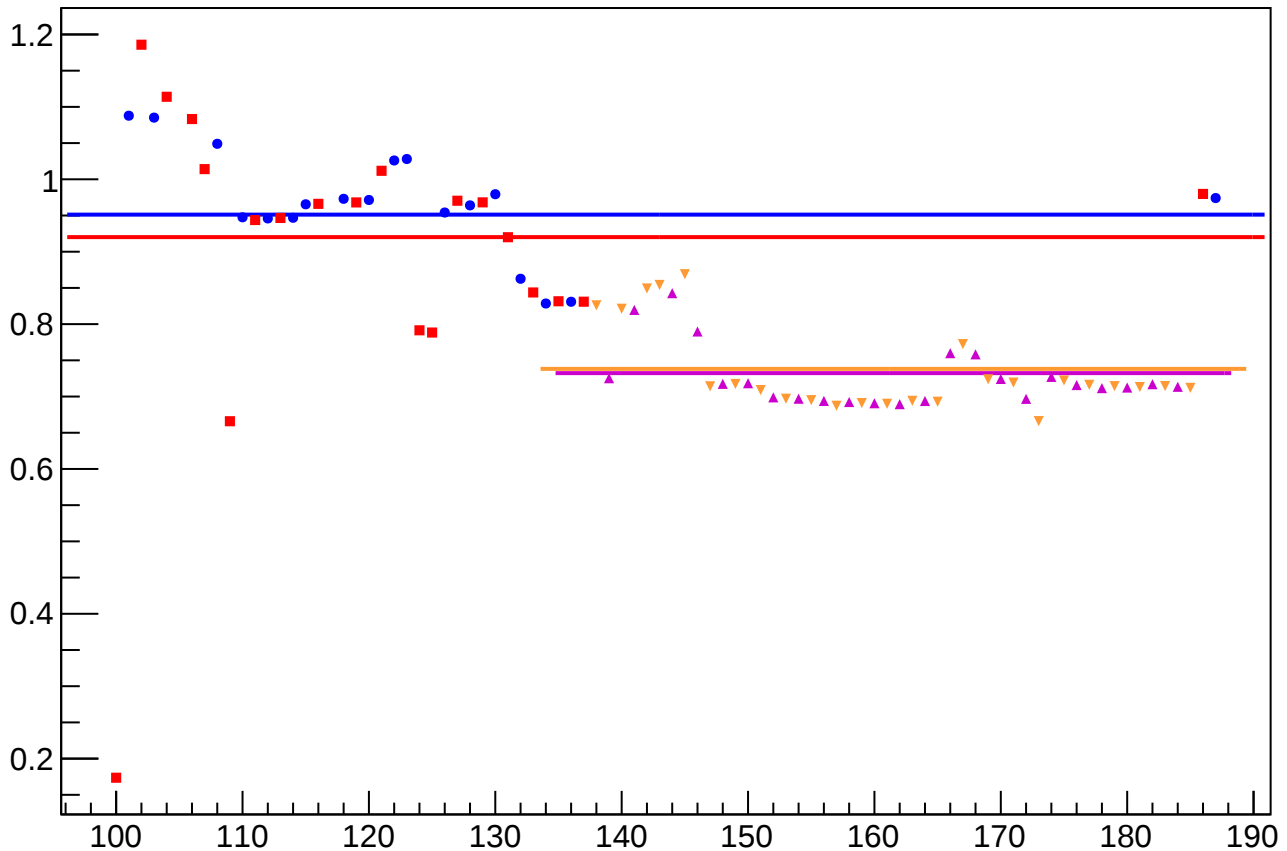
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1968206.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7894982.9/42

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16237676.8/85

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8341195.8/42

yield_bpm11X_mean vs Slug



Right In: 0.951 $\pm$ 0.000 χ^2 /NDF: 174377247.7/17

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310610047.7/24

Right Out: 0.920 $\pm$ 0.000 χ^2 /NDF: 376593548.3/19

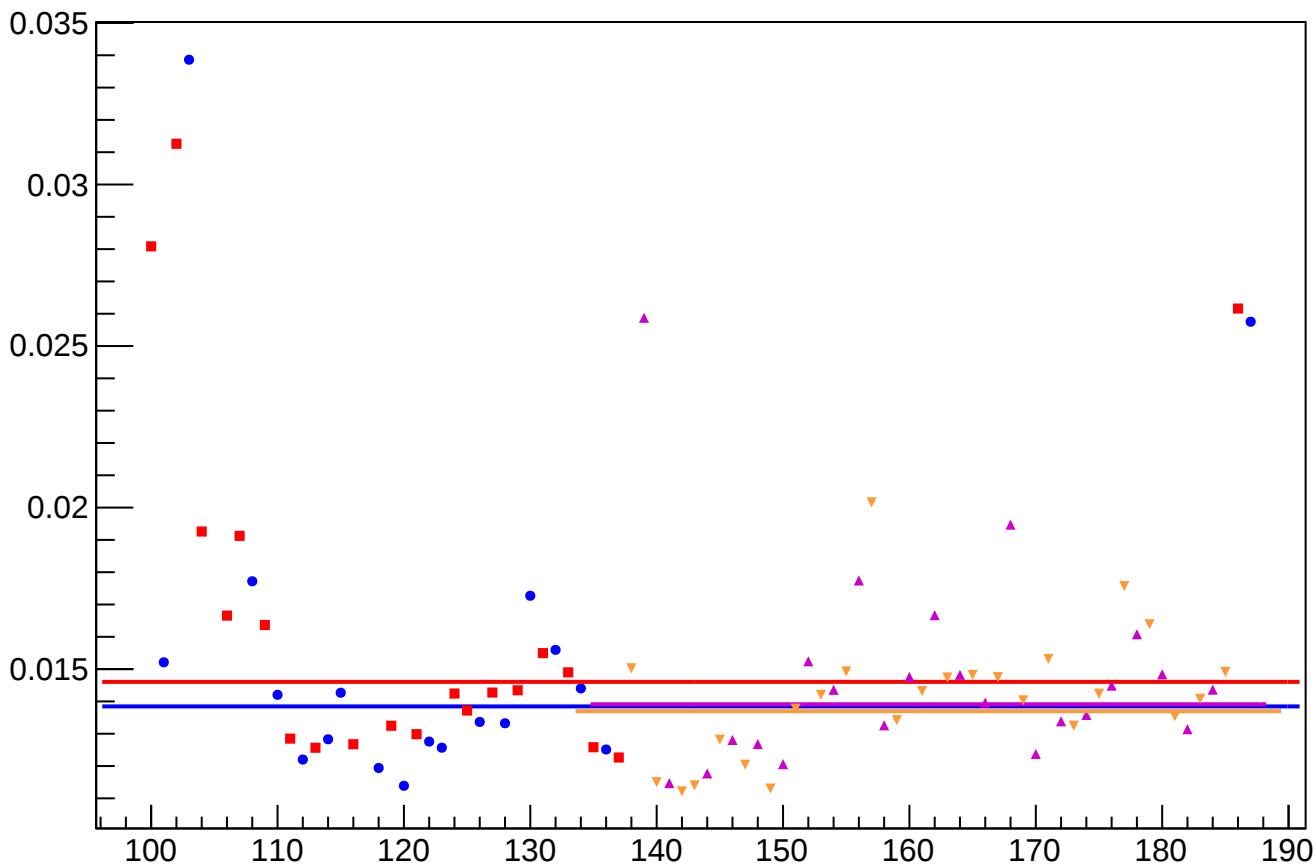
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1507866957.9/42

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 2827927372.0/85

- sign 0.783 $\pm$ 0.000 χ^2 /NDF: 1313583497.8/42

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 600189.8/17

Left Out: 0.014 $\pm$ 0.000 χ^2/NDF : 530851.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 650045.7/19

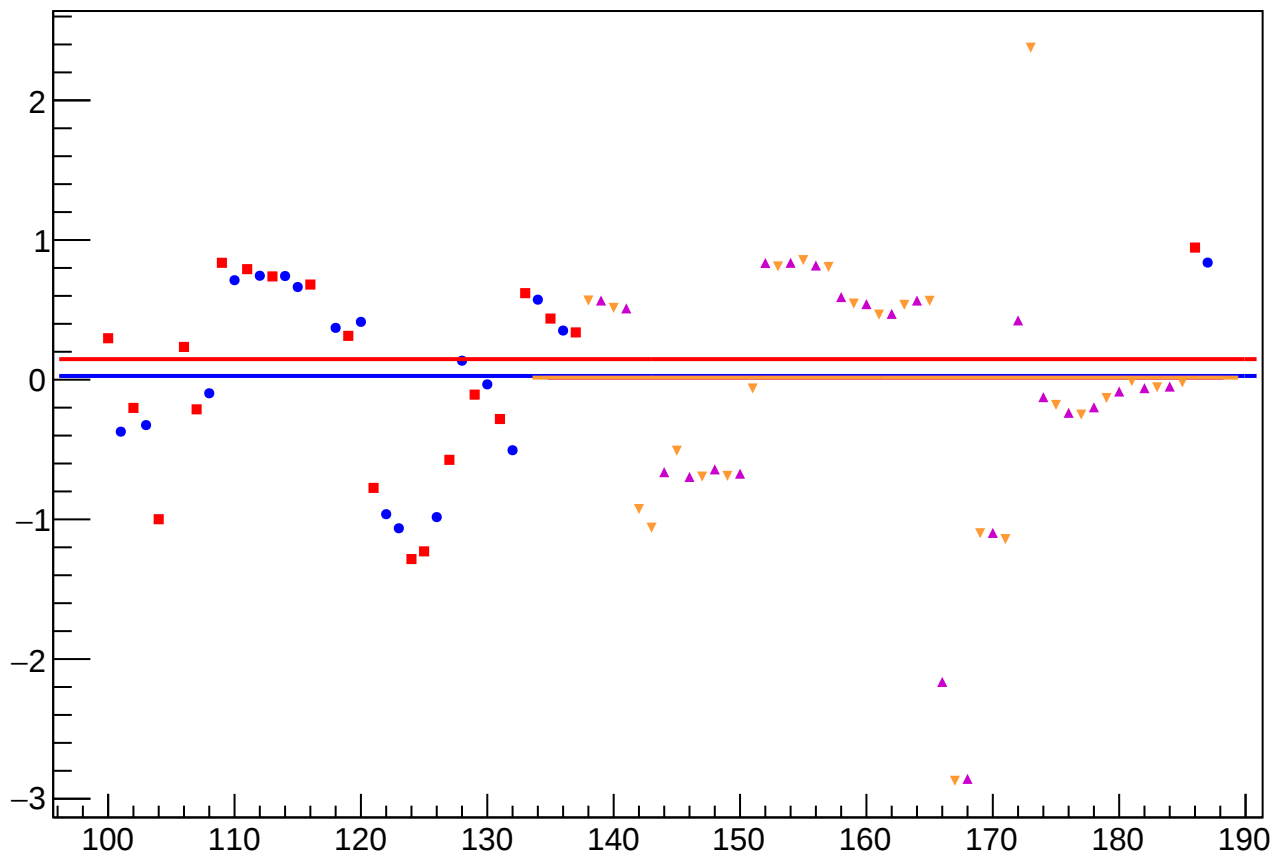
Left In: 0.014 $\pm$ 0.000 χ^2/NDF : 794558.0/22

+ sign 0.014 $\pm$ 0.000 χ^2/NDF : 1132027.5/42

All: 0.014 $\pm$ 0.000 χ^2/NDF : 2612445.6/85

- sign 0.014 $\pm$ 0.000 χ^2/NDF : 1465435.6/42

yield_bpm11Y_mean vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 6318267125.3/17

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.147 $\pm$ 0.000 χ^2 /NDF: 12781367391.0/19

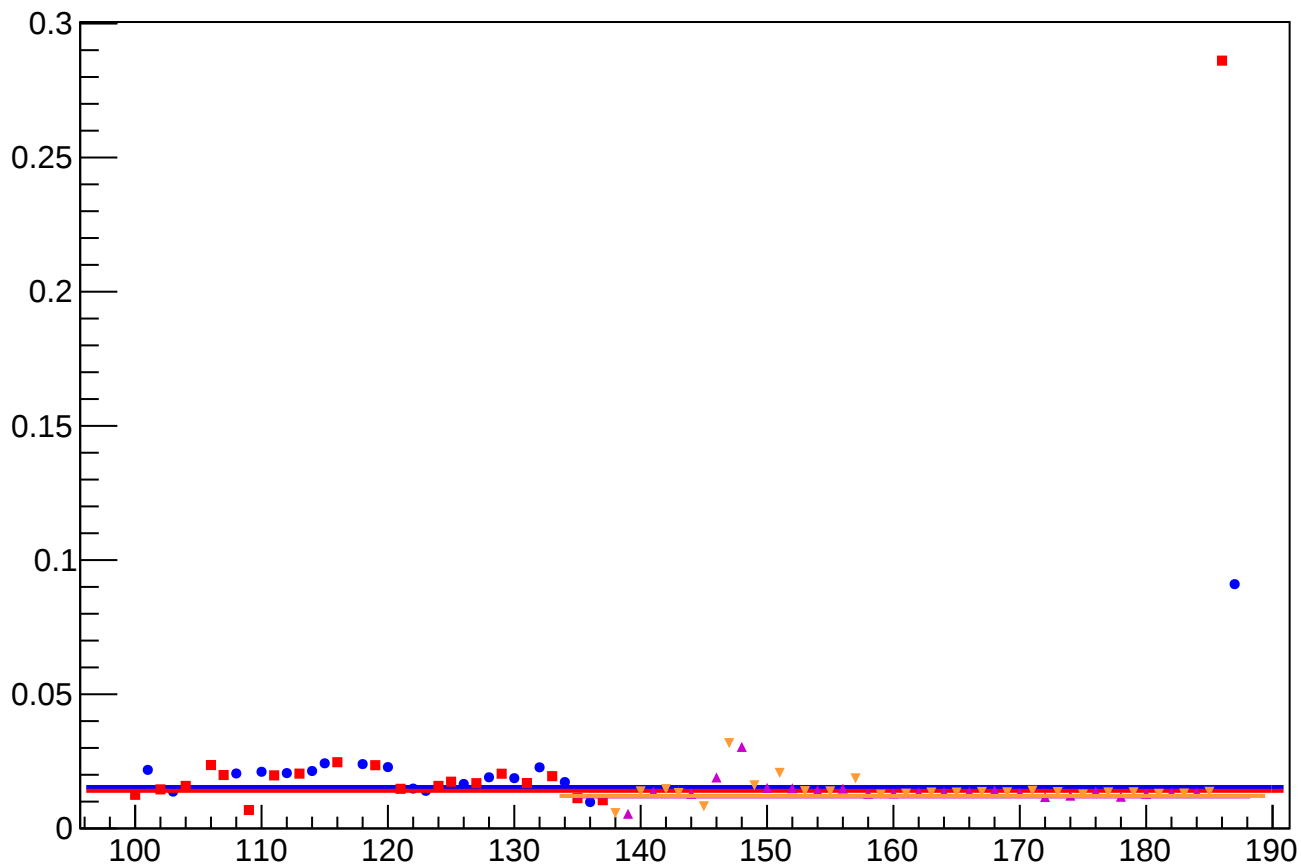
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 102408904402.3/42

All: 0.029 $\pm$ 0.000 χ^2 /NDF: 195081336090.5

- sign 0.041 $\pm$ 0.000 χ^2 /NDF: 92632130988.0/42

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1333743.4/17

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2192859.6/19

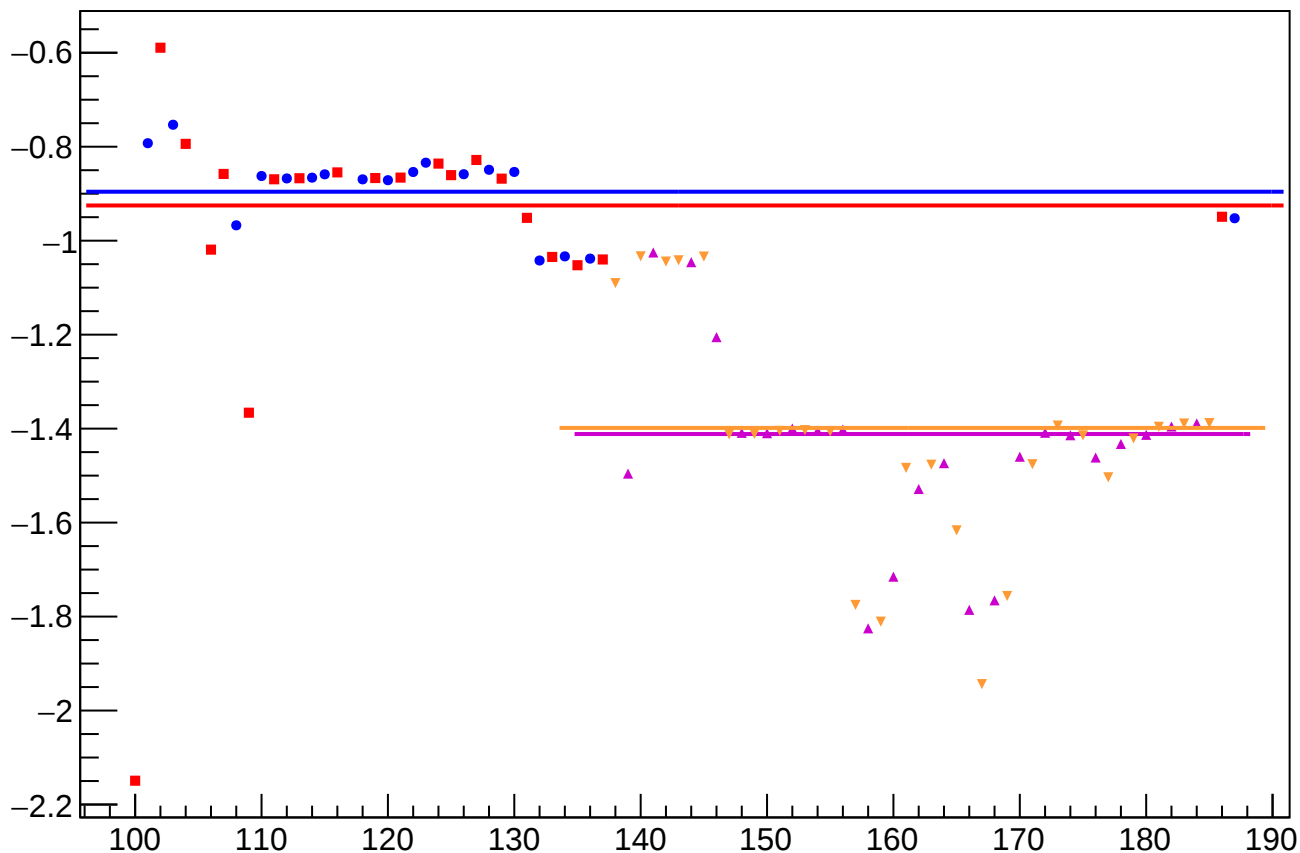
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4873992.1/42

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 10386197.2/85

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5497106.7/42

yield_bpm12X_mean vs Slug



Right In: -0.896 ± 0.000 χ^2/NDF : 38078075.9/17

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.925 ± 0.000 χ^2/NDF : 128504949.6/19

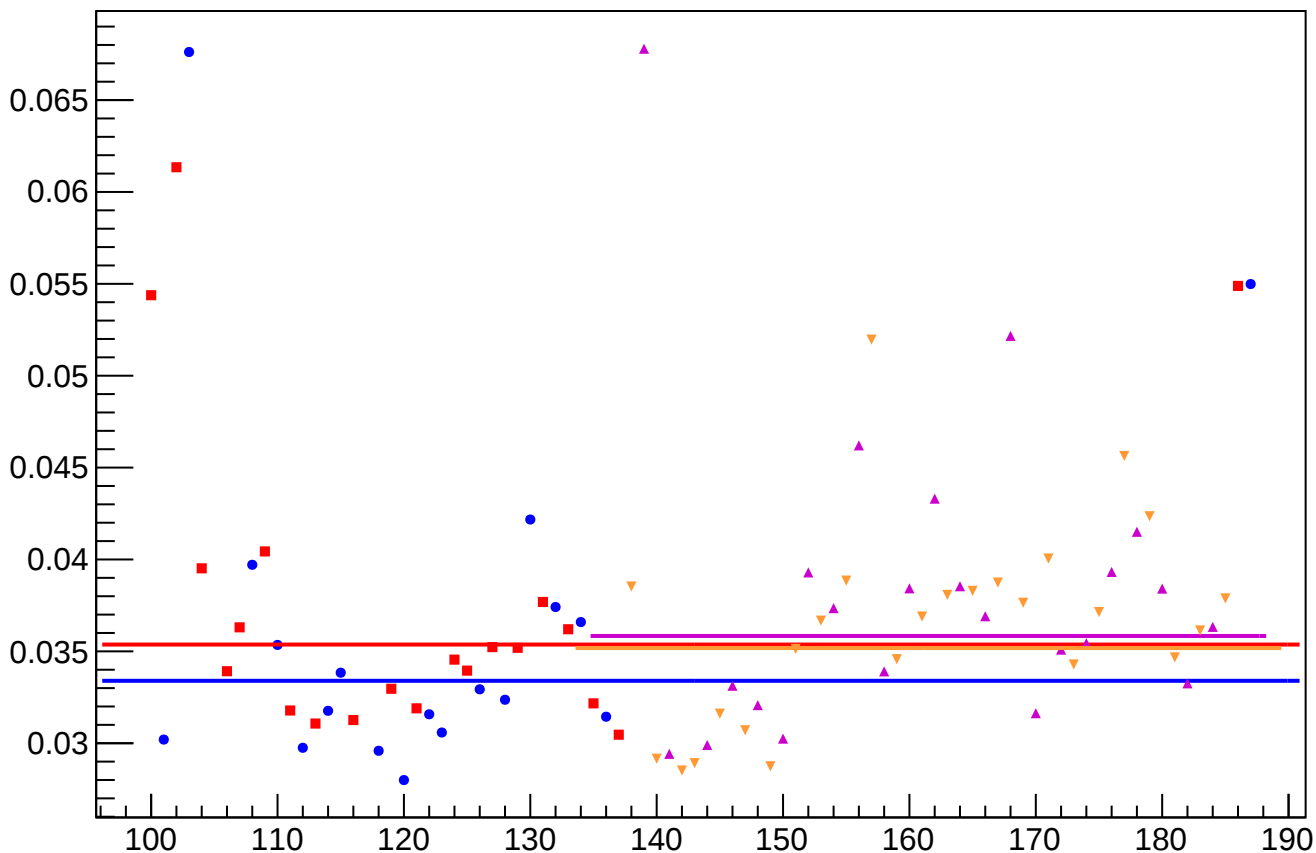
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.253 ± 0.000 χ^2/NDF : 1724099165.2/42

All: -1.259 ± 0.000 χ^2/NDF : 3219054255.5/8

- sign -1.265 ± 0.000 χ^2/NDF : 1493575281.2/42

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 444350.4/17

Left Out: 0.035+/-0.000 χ^2/NDF : 597886.0/24

Right Out: 0.035+/-0.000 χ^2/NDF : 370300.0/19

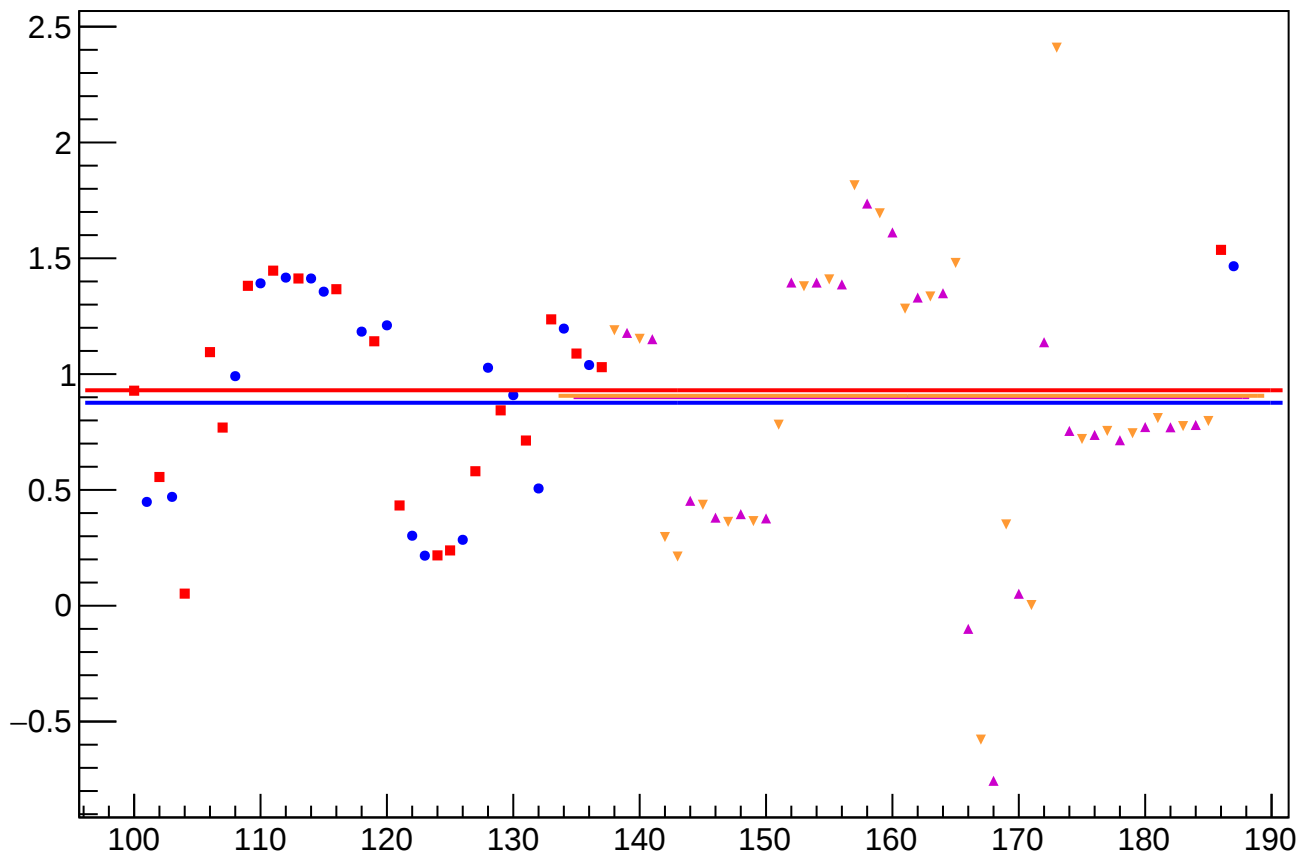
Left In: 0.036+/-0.000 χ^2/NDF : 890993.5/22

+ sign 0.035+/-0.000 χ^2/NDF : 1066166.4/42

All: 0.035+/-0.000 χ^2/NDF : 2347918.1/85

- sign 0.036+/-0.000 χ^2/NDF : 1262862.9/42

yield_bpm12Y_mean vs Slug



Right In: 0.876 $\pm$ 0.000 χ^2 /NDF: 6472564507.3/17

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 0.930 $\pm$ 0.000 χ^2 /NDF: 9959863570.1/19

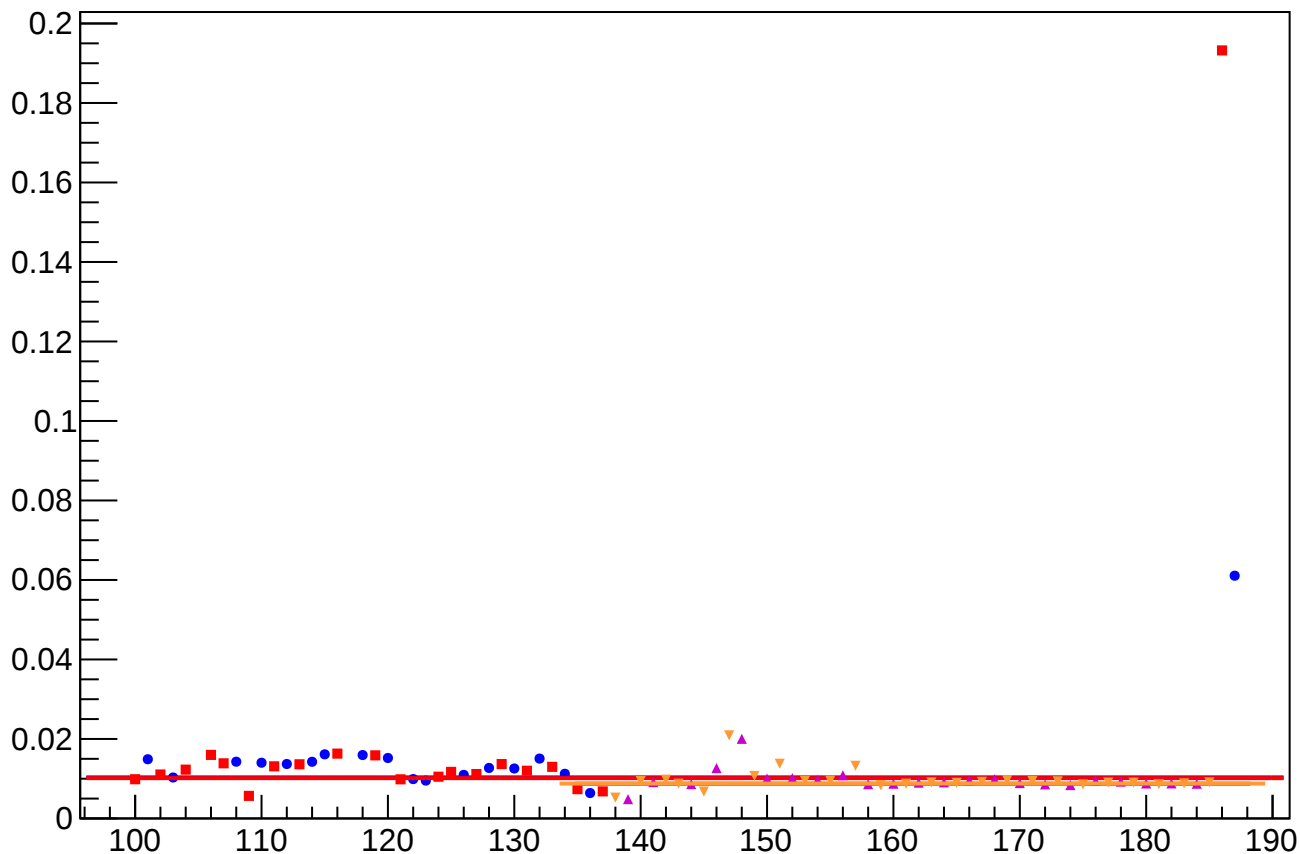
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.901 $\pm$ 0.000 χ^2 /NDF: 90619374868.6/42

All: 0.904 $\pm$ 0.000 χ^2 /NDF: 167556075717.7

- sign 0.907 $\pm$ 0.000 χ^2 /NDF: 76931245430.2/42

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1399787.6/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1804312.3/19

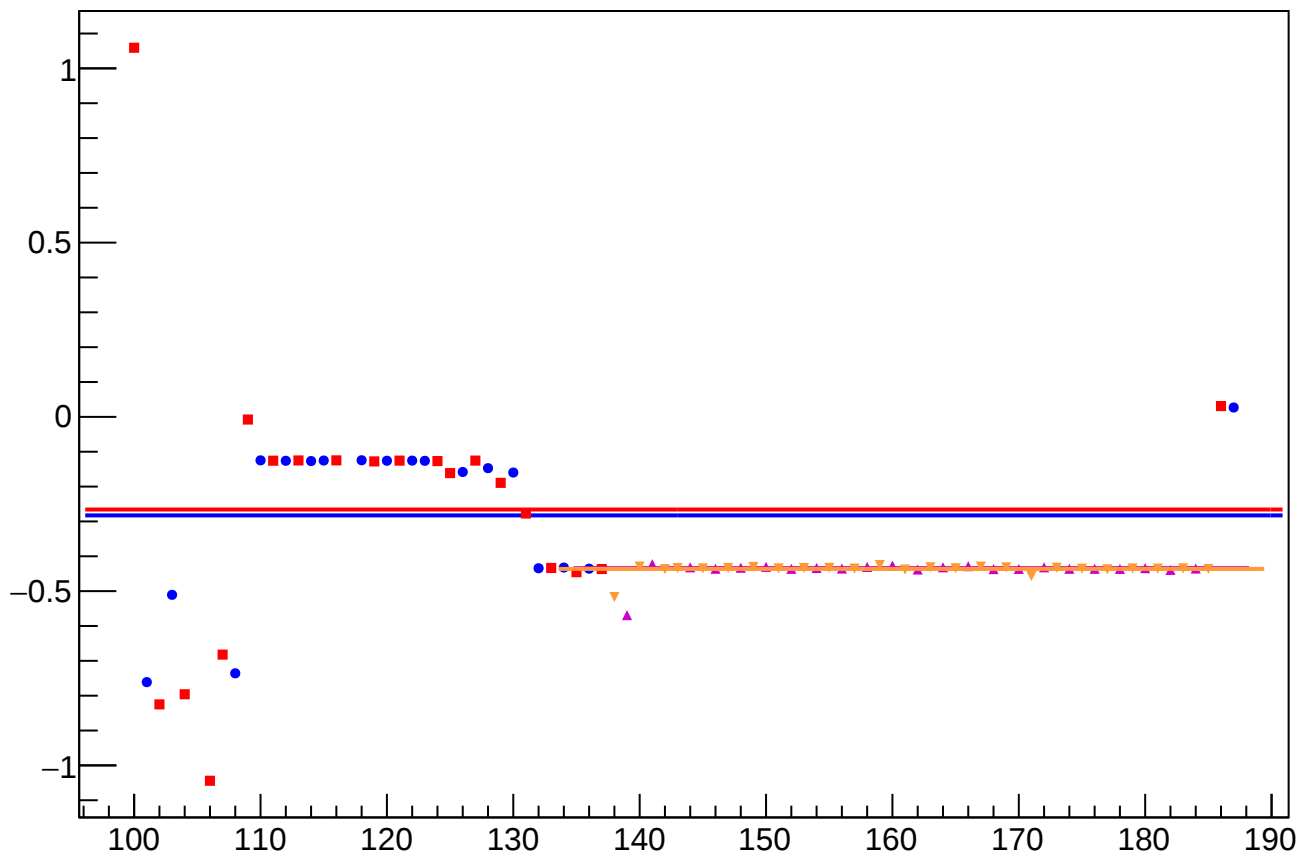
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3297434.5/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6949193.0/85

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3651284.1/42

yield_bpm16X_mean vs Slug



Right In: -0.283+/-0.000 χ^2 /NDF: 901745820.7/17

Left Out: -0.436+/-0.000 χ^2 /NDF: 28776503.9/24

Right Out: -0.266+/-0.000 χ^2 /NDF: 983134292.6/19

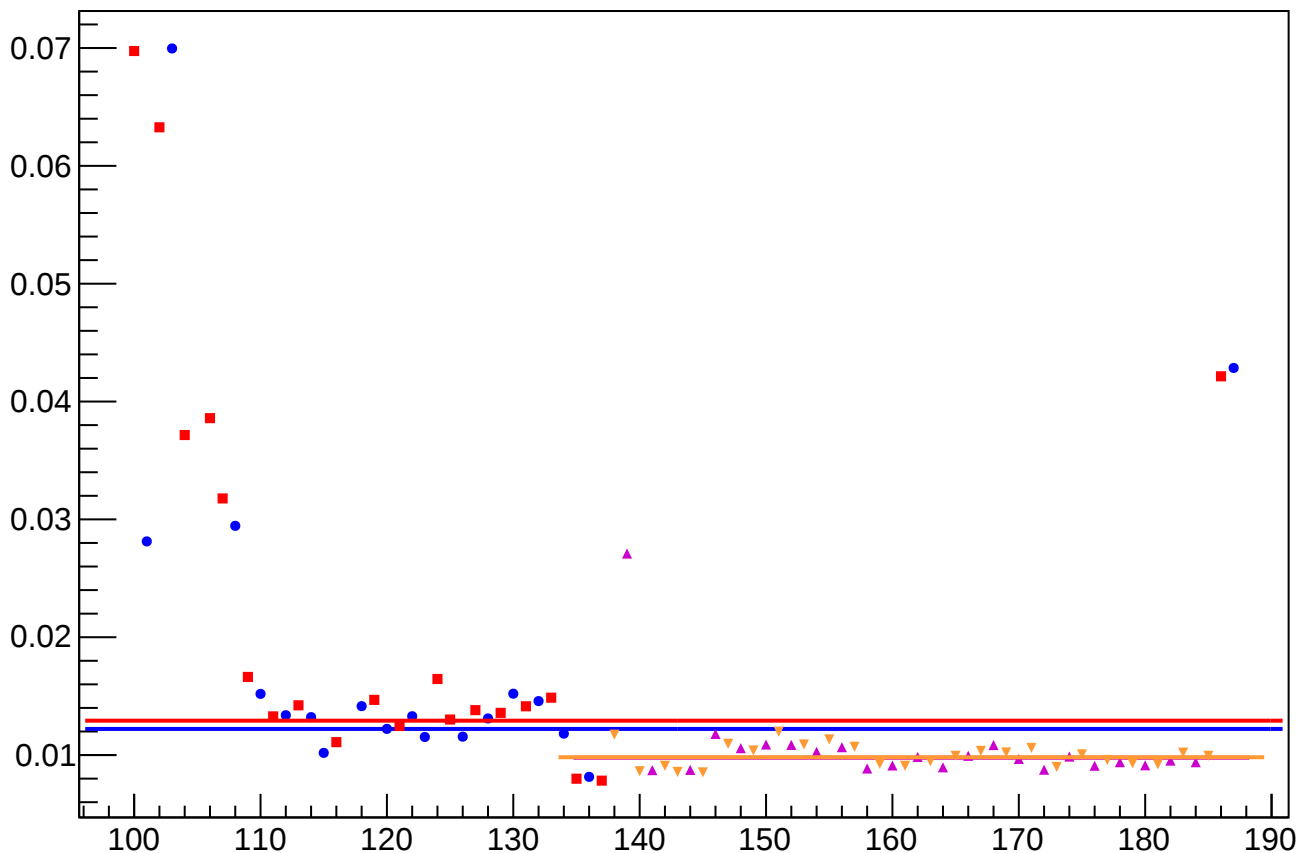
Left In: -0.434+/-0.000 χ^2 /NDF: 20164730.3/22

+ sign -0.411+/-0.000 χ^2 /NDF: 1553833901.5/42

All: -0.409+/-0.000 χ^2 /NDF: 3267833549.9/8

- sign -0.407+/-0.000 χ^2 /NDF: 1711918633.3/42

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1869064.7/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2307366.4/19

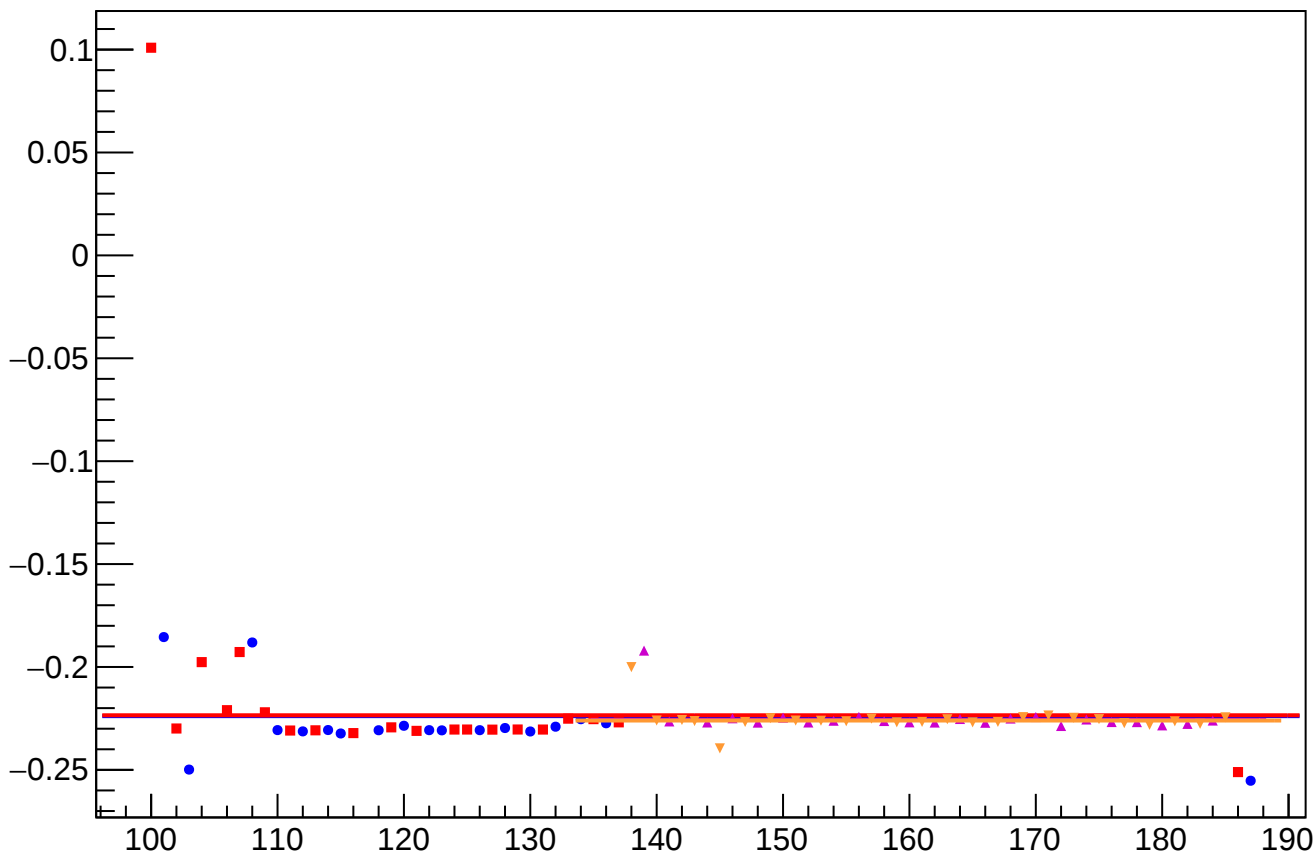
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2445516.6/42

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 6036749.3/85

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3590008.4/42

yield_bpm16Y_mean vs Slug



Right In: -0.224 ± 0.000 χ^2/NDF : 75380719.1/17

Left Out: -0.226 ± 0.000 χ^2/NDF : 21207366.3/24

+ sign -0.225 ± 0.000 χ^2/NDF : 97470560.9/42

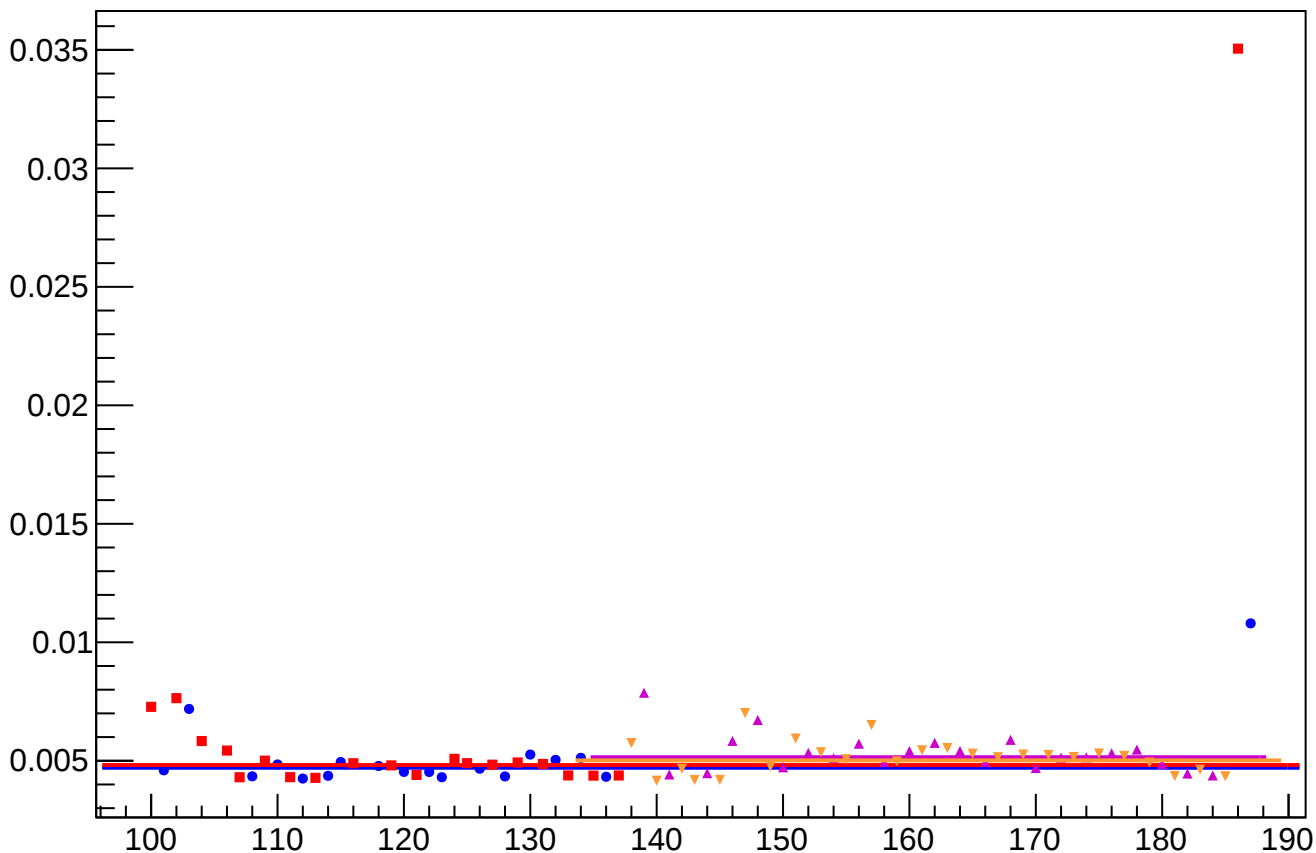
Right Out: -0.223 ± 0.000 χ^2/NDF : 168015339.3/19

All: -0.225 ± 0.000 χ^2/NDF : 280251565.2/85

Left In: -0.226 ± 0.000 χ^2/NDF : 13717302.5/22

- sign -0.225 ± 0.000 χ^2/NDF : 182713287.9/42

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 268927.6/17

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 778310.4/19

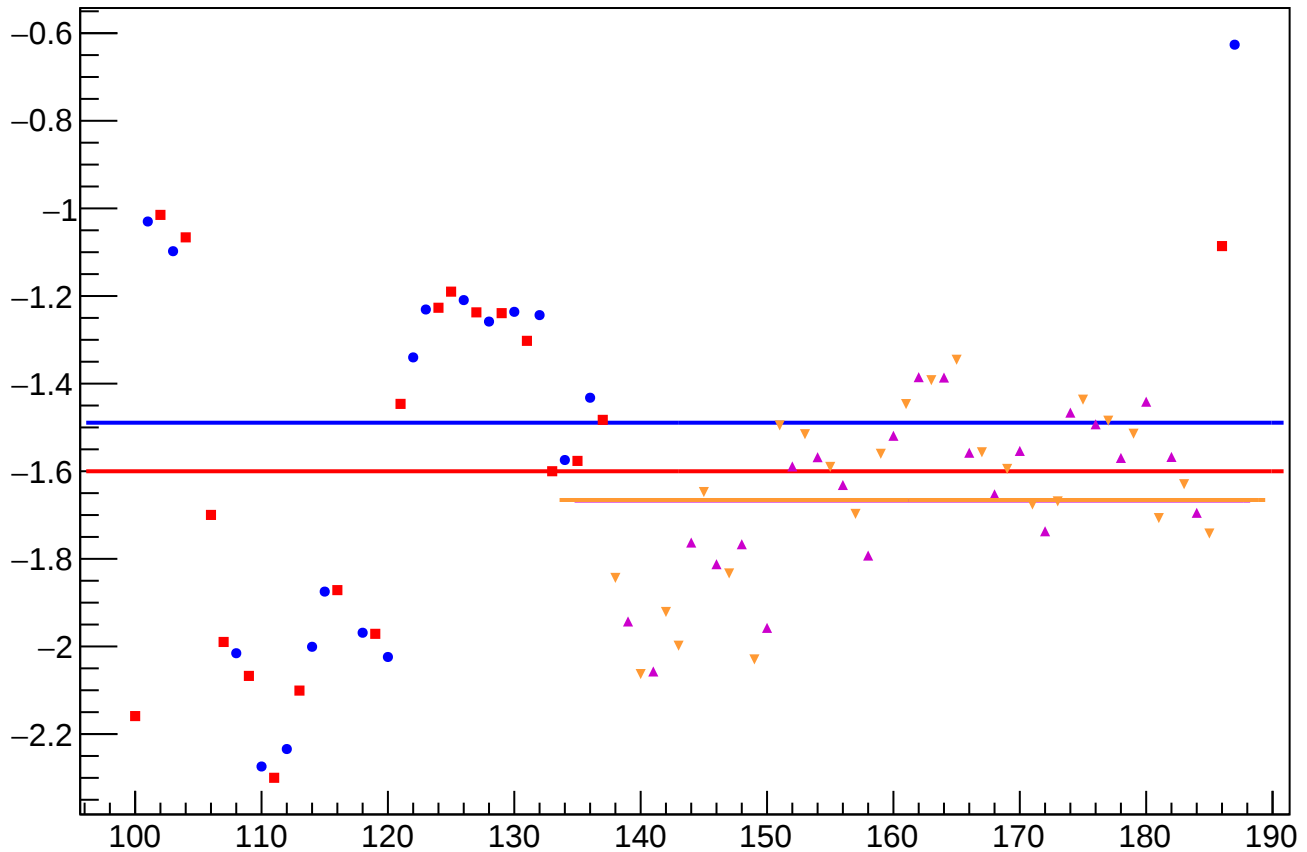
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 838921.1/42

All: 0.005+/-0.000 χ^2/NDF : 2176256.0/85

- sign 0.005+/-0.000 χ^2/NDF : 1324150.1/42

yield_bpm0l01X_mean vs Slug



Right In: -1.489+/-0.000 χ^2/NDF : 23284358331.3/17

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.600+/-0.000 χ^2/NDF : 28520801432.4/19

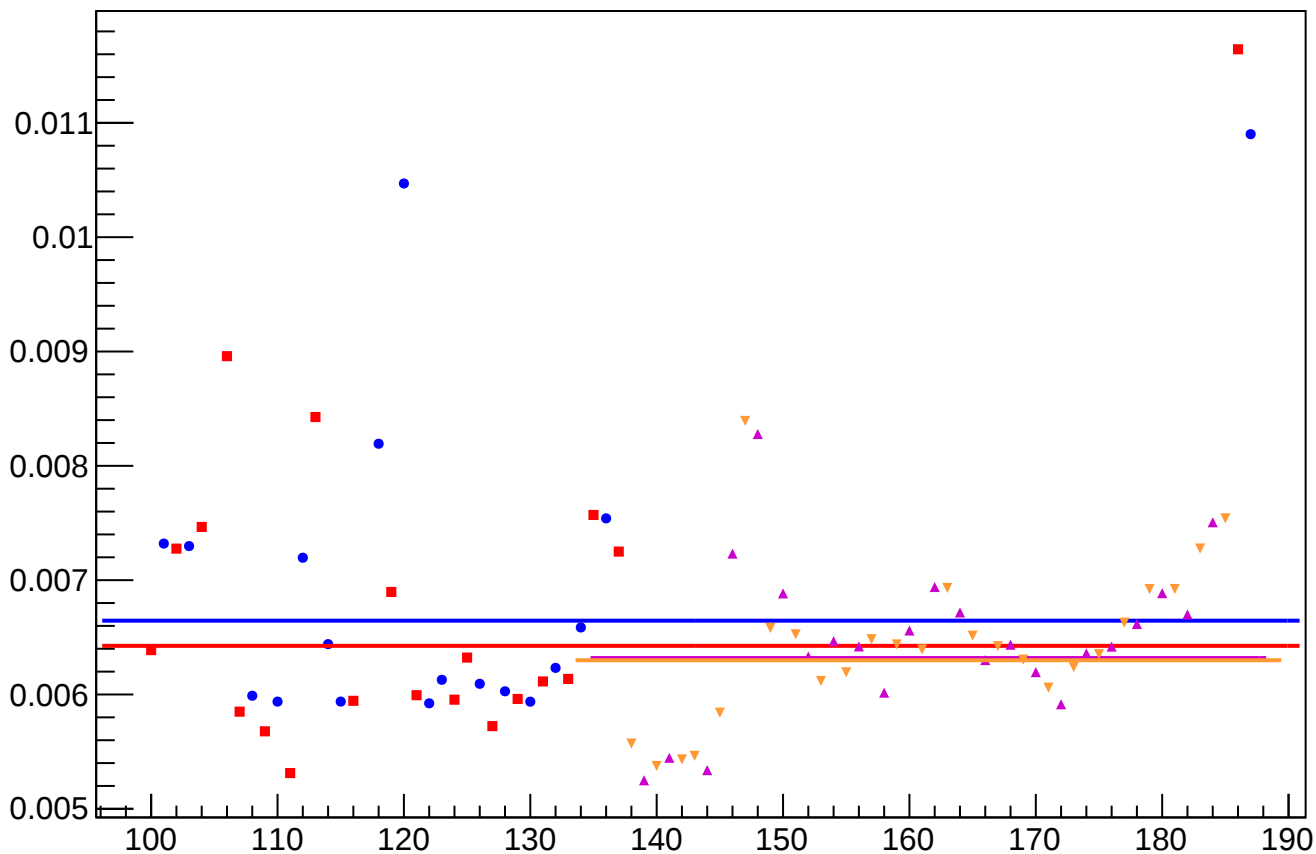
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.623+/-0.000 χ^2/NDF : 44948259634.3/42

All: -1.636+/-0.000 χ^2/NDF : 88786282916.1/42

- sign -1.648+/-0.000 χ^2/NDF : 43664811457.2/42

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 240200.7/17

Left Out: 0.006+/-0.000 χ^2/NDF :312811.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 368091.1/19

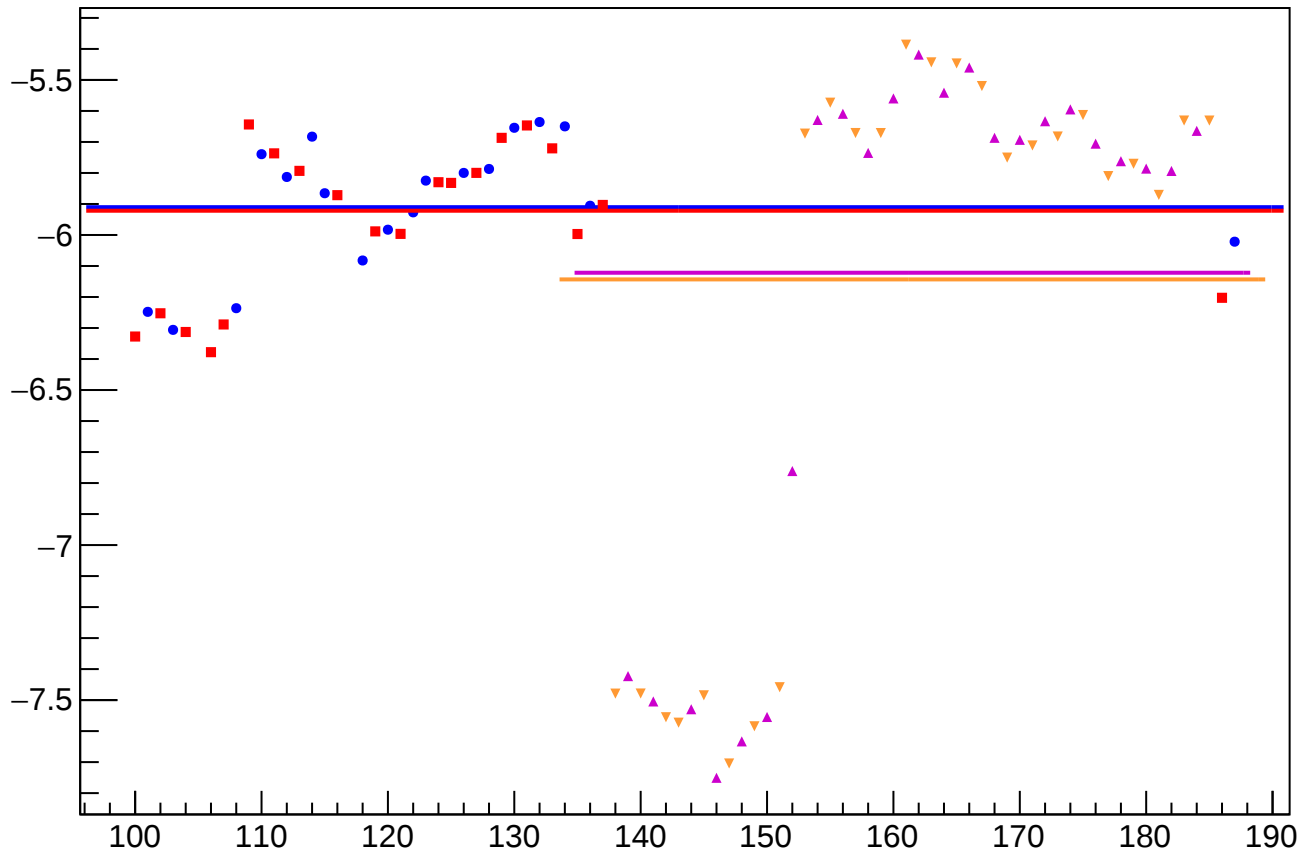
Left In: 0.006+/-0.000 χ^2/NDF :334332.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 578374.5/42

All: 0.006+/-0.000 χ^2/NDF : 1284130.1/85

- sign 0.006+/-0.000 χ^2/NDF : 705118.0/42

yield_bpm0l01Y_mean vs Slug



Right In: -5.910 ± 0.000 χ^2/NDF : 11114168055.1/17

Left Out: -6.143 ± 0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.922 ± 0.000 χ^2/NDF : 12960017392.1/19

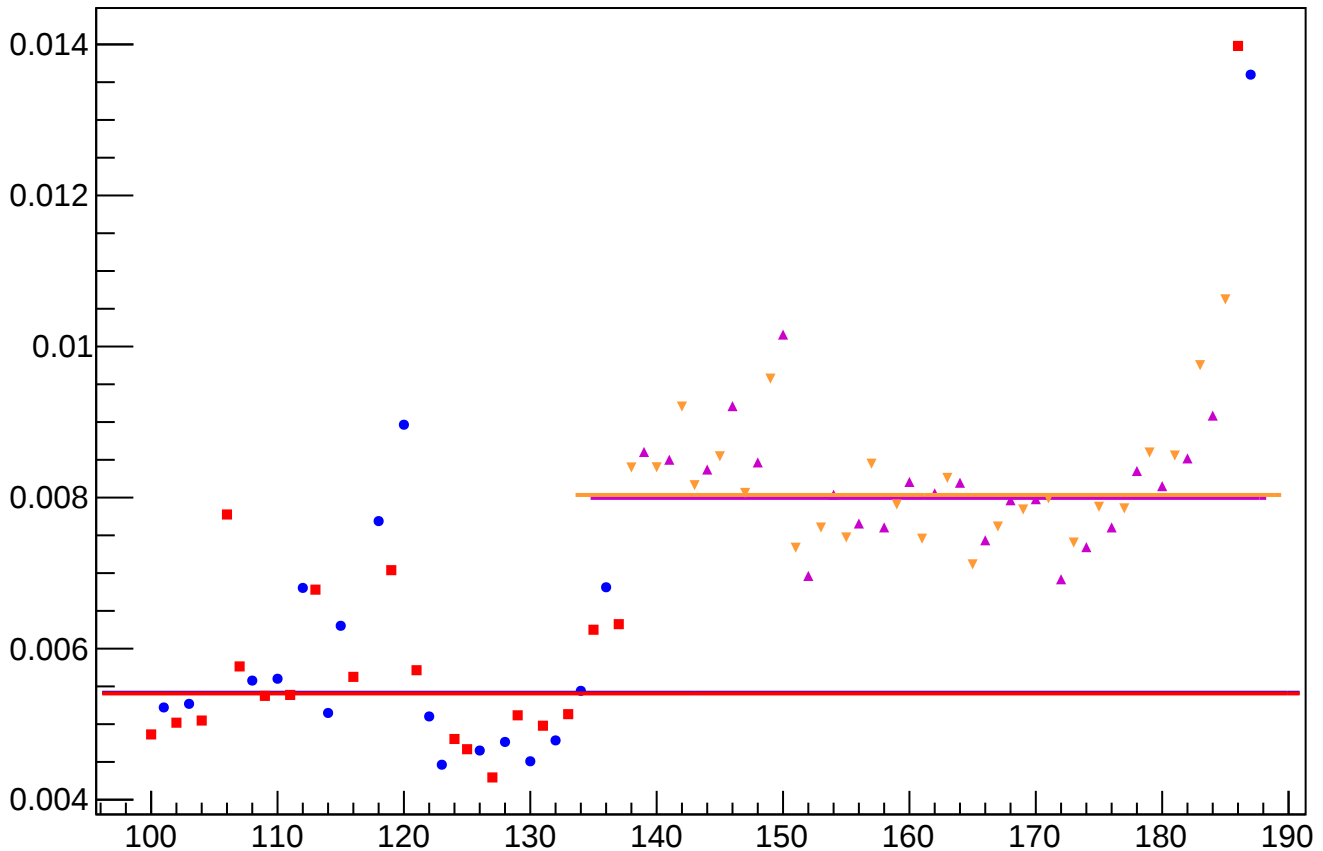
Left In: -6.122 ± 0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.041 ± 0.000 χ^2/NDF : 202981218369.4/42

All: -6.034 ± 0.000 χ^2/NDF : 380620807987.4

- sign -6.027 ± 0.000 χ^2/NDF : 177593662470.6/42

yield_bpm0l01Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 444369.5/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205976.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 513654.8/19

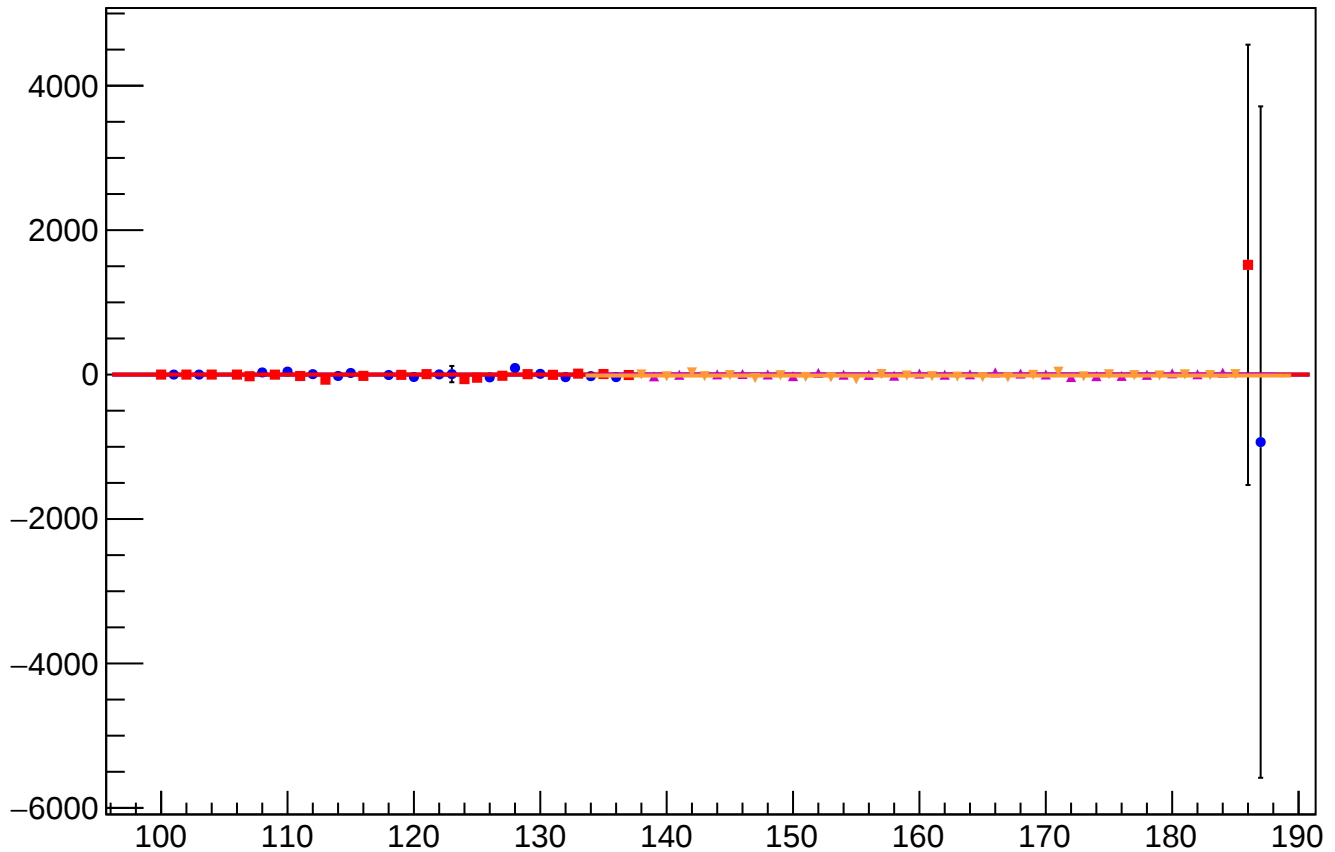
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220203.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2203252.3/42

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 4526739.5/85

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2317176.0/42

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 16.3/17

Left Out: -13.472 $\pm$ 2.796 χ^2 /NDF: 58.5/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 15.2/19

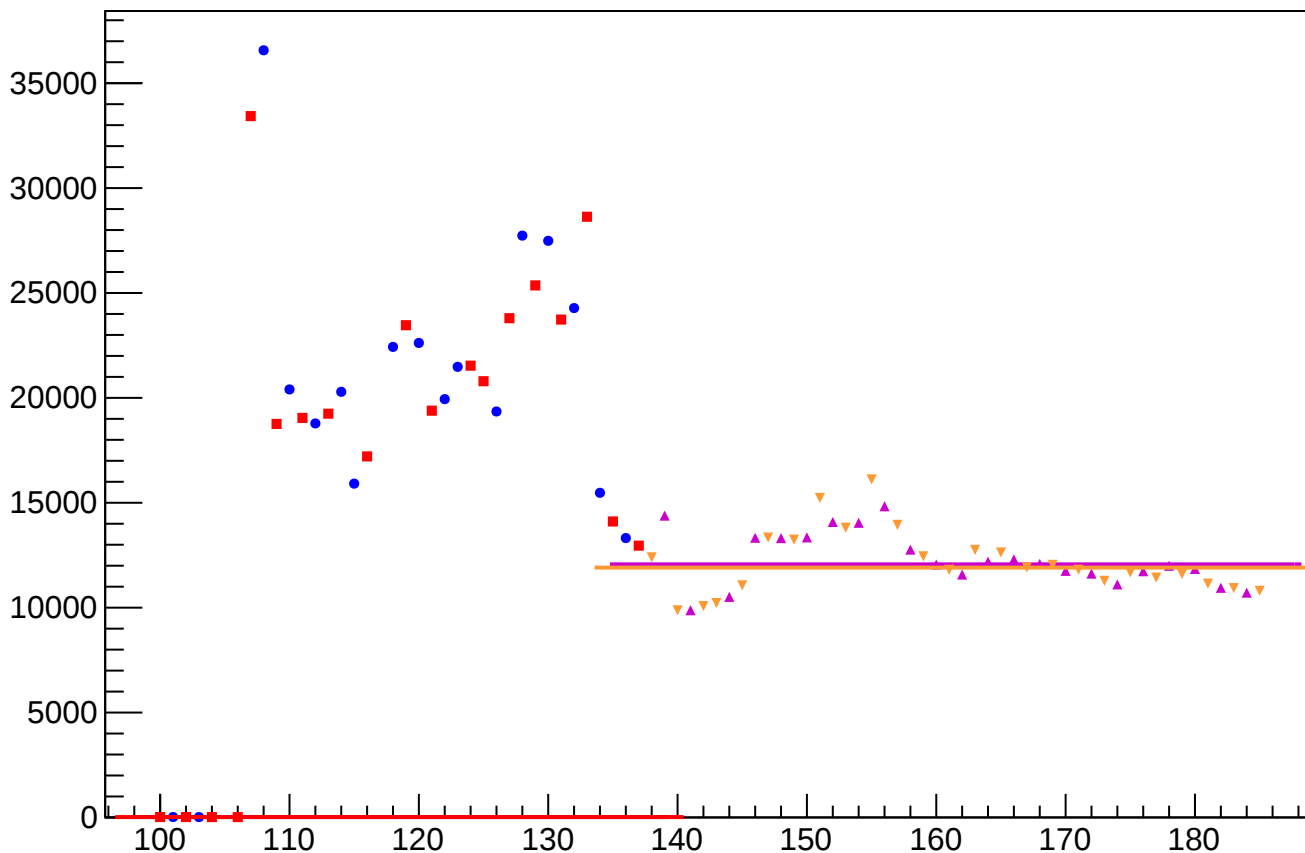
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 98.1/42

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 142.1/85

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 43.9/42

diff_cav4bX_rms vs Slug



Right In: 18.640+/-0.012 χ^2/NDF : 10799270.4/16

Left Out: 11909.835+/-1.977 χ^2/NDF : 475310.2/24

Right Out: 18.311+/-0.011 χ^2/NDF : 11056055.0/18

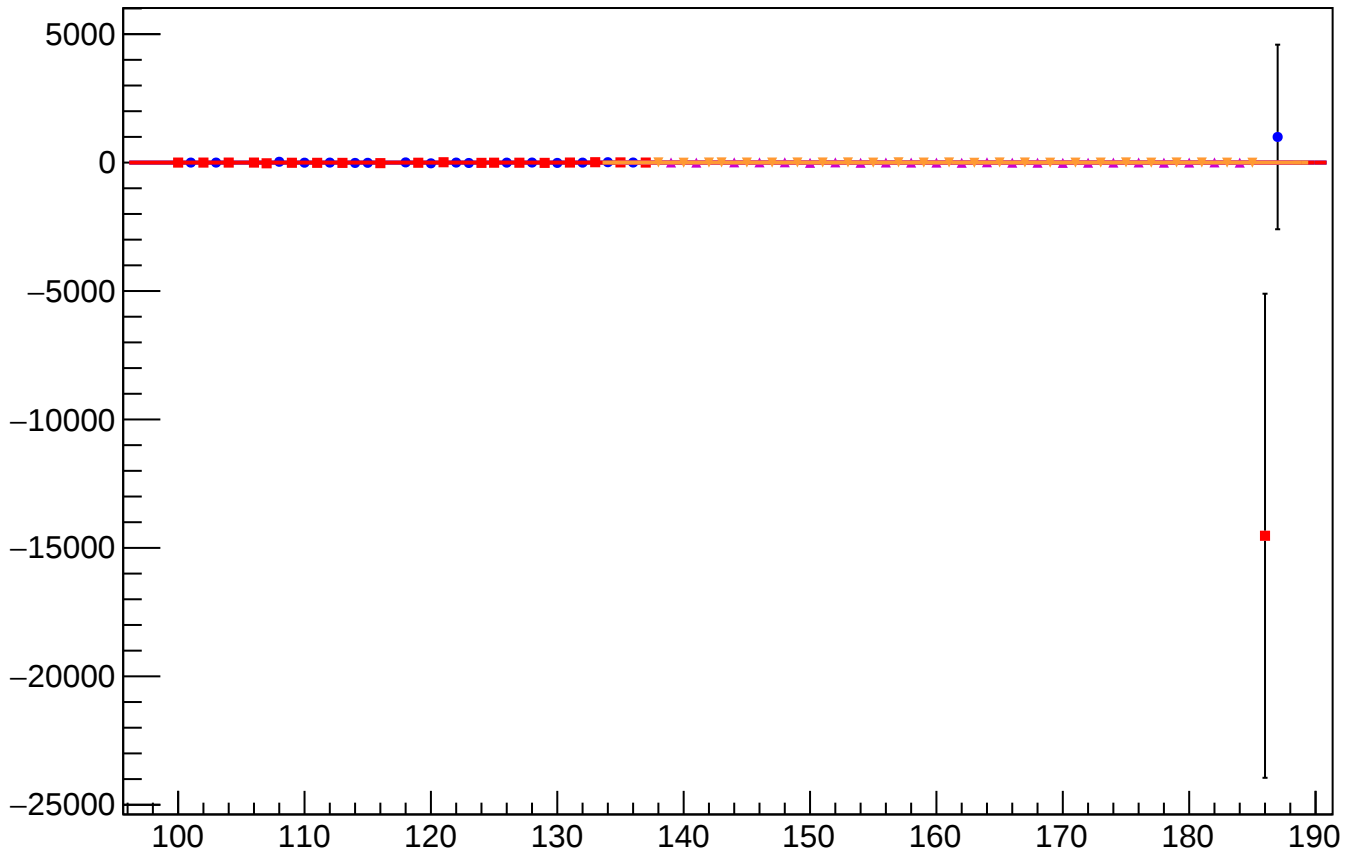
Left In: 12064.321+/-2.054 χ^2/NDF : 372586.0/22

+ sign 19.097+/-0.012 χ^2/NDF : 47439513.1/41

All: 18.873+/-0.008 χ^2/NDF : 93248736.0/83

- sign 18.680+/-0.011 χ^2/NDF : 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.7/17

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 21.0/19

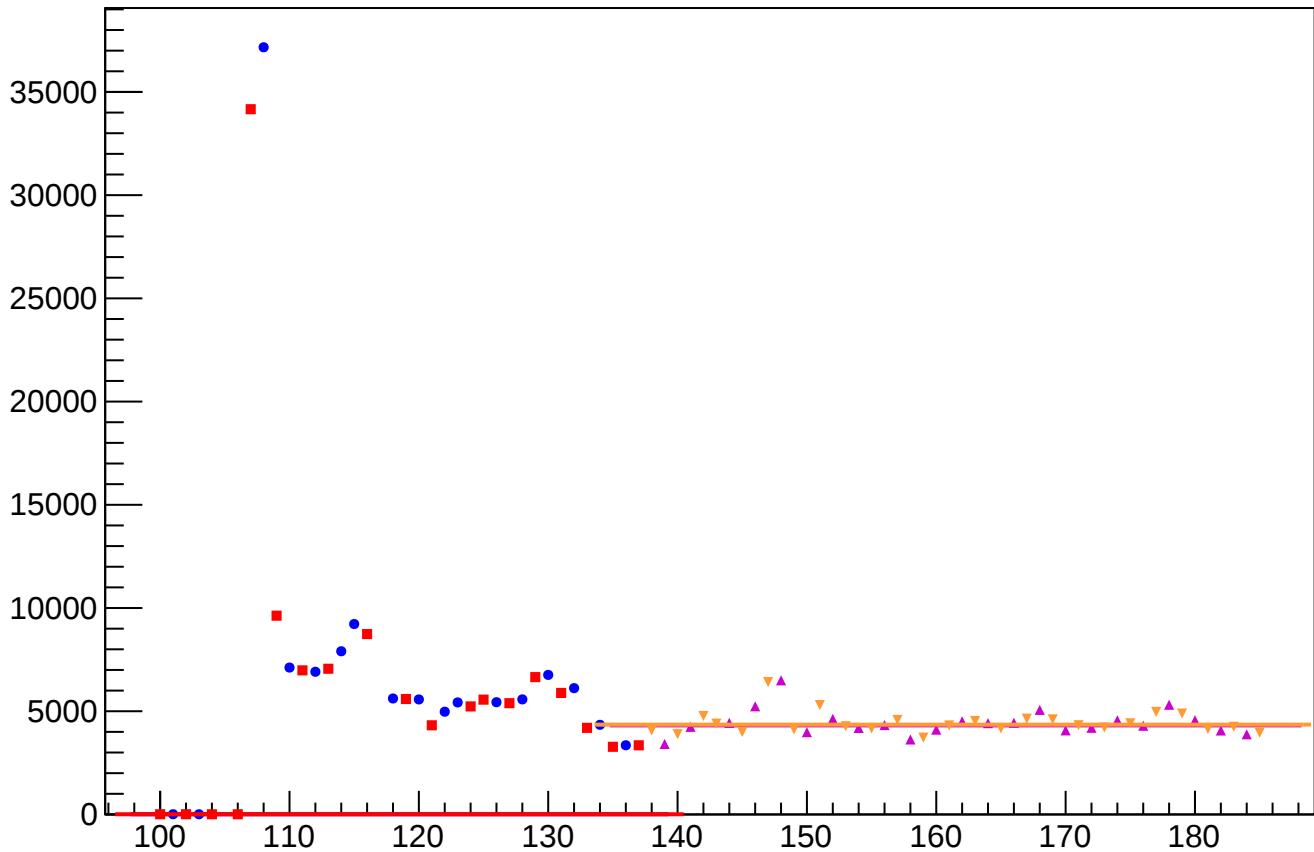
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.3/42

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 93.7/85

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 57.3/42

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 10926318.4/16

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.854 ± 0.006 χ^2/NDF : 11106435.3/18

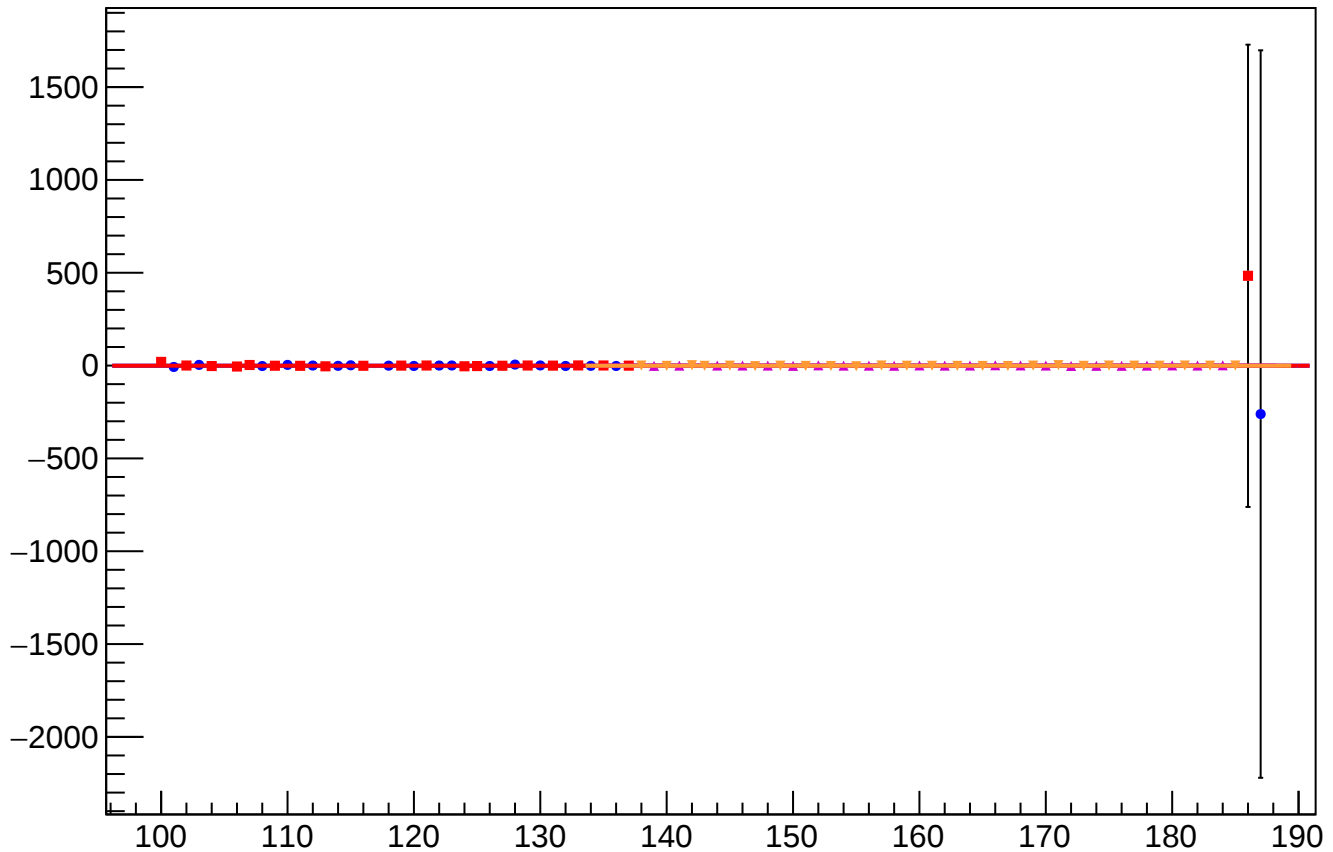
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.290 ± 0.007 χ^2/NDF : 47454315.6/41

All: 10.216 ± 0.004 χ^2/NDF : 93158663.3/83

- sign 10.150 ± 0.006 χ^2/NDF : 45704101.3/41

diff_cav4cX_mean vs Slug



Right In: -0.702 ± 0.485 χ^2/NDF : 22.5/17

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.760 ± 0.502 χ^2/NDF : 11.9/19

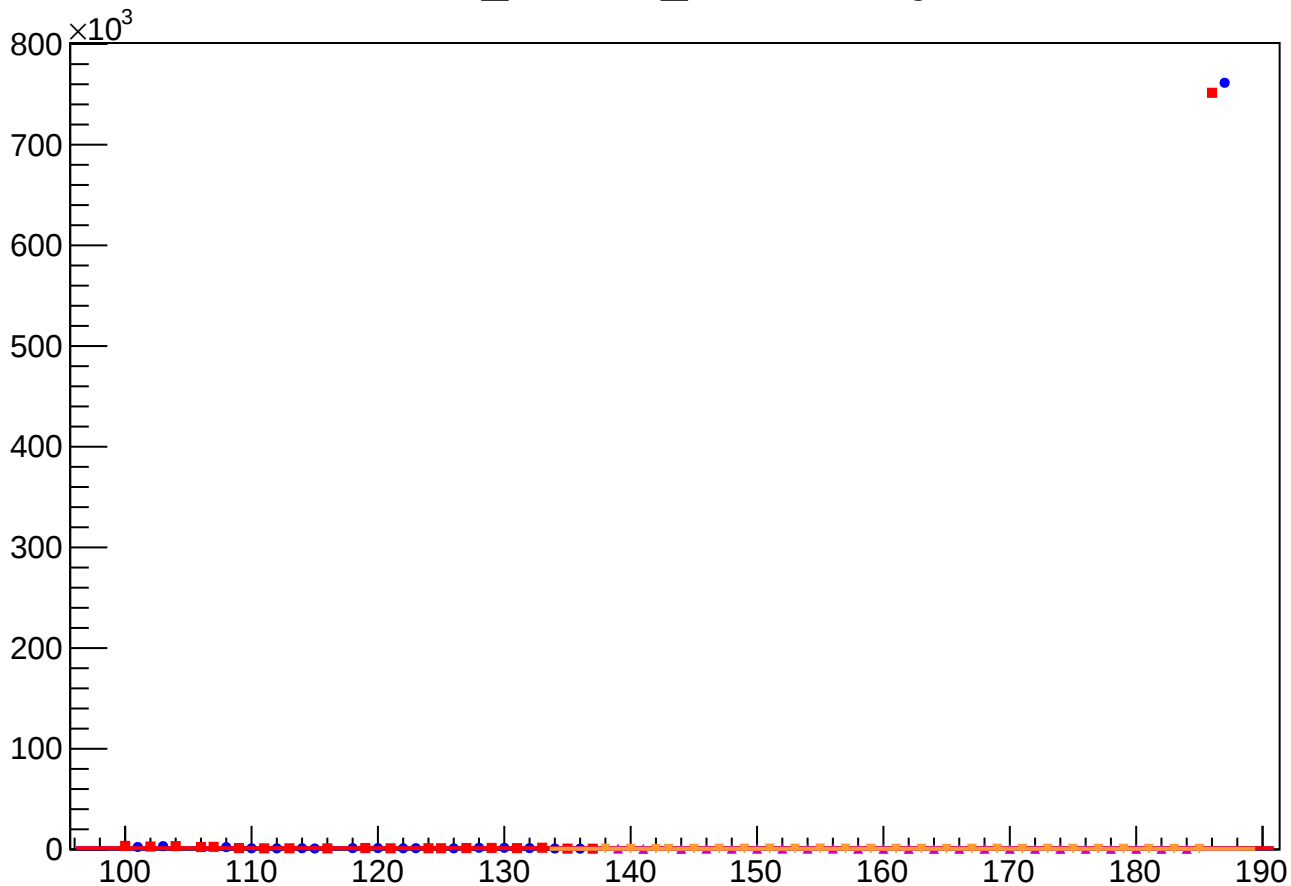
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 80.9/42

All: -0.443 ± 0.112 χ^2/NDF : 132.9/85

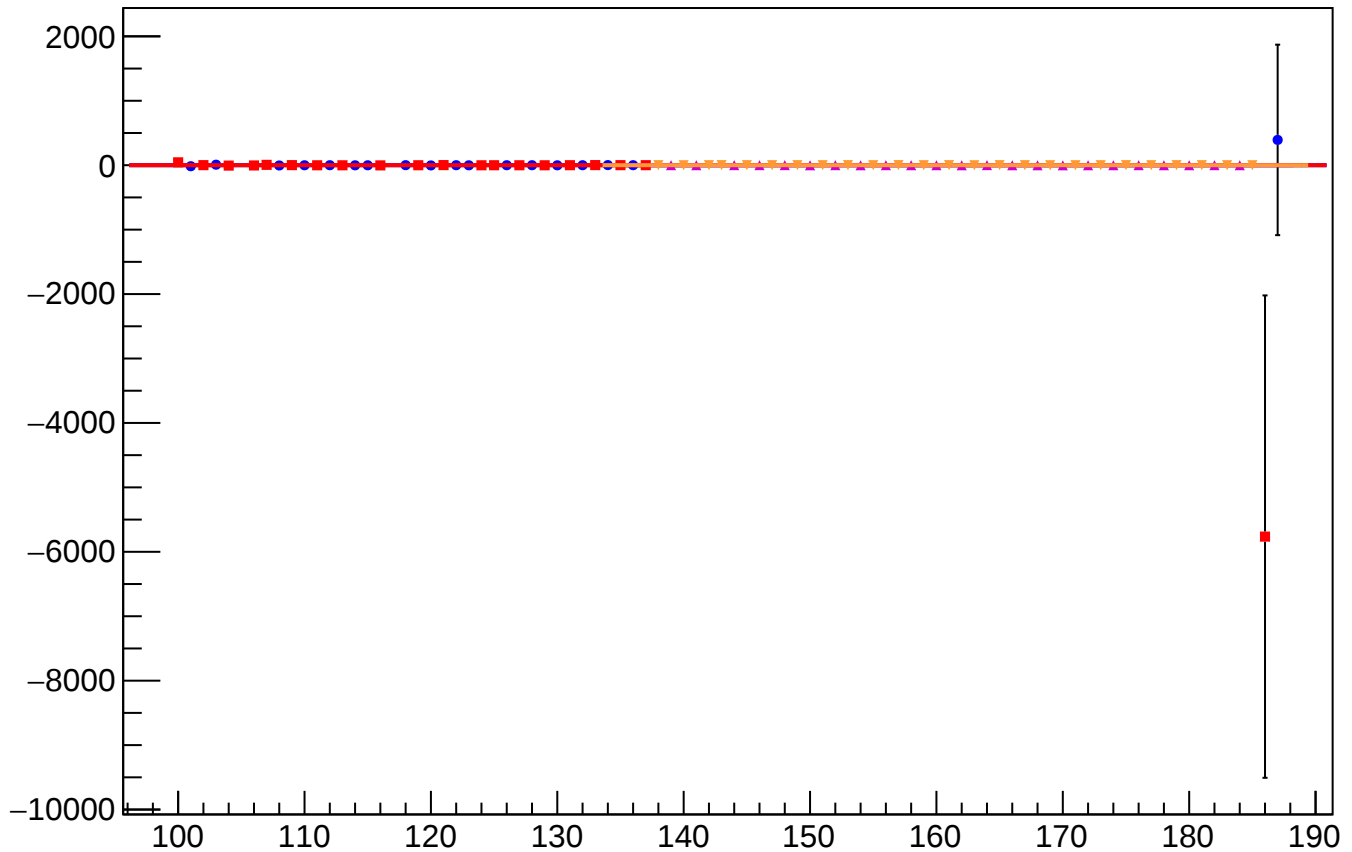
- sign -0.097 ± 0.161 χ^2/NDF : 43.1/42

diff_cav4cX_rms vs Slug



Right In: 1164.258 ± 0.343 $\chi^2/\text{NDF}: 1887272.4/17$ + sign 748.507 ± 0.110 $\chi^2/\text{NDF}: 3918002.5/42$
Left Out: 700.797 ± 0.116 $\chi^2/\text{NDF}: 392521.4/24$ All: 755.410 ± 0.079 $\chi^2/\text{NDF}: 8701147.5/85$
Right Out: 1249.389 ± 0.355 $\chi^2/\text{NDF}: 2342871.2/19$ - sign 762.810 ± 0.114 $\chi^2/\text{NDF}: 4774990.1/42$
Left In: 706.950 ± 0.120 $\chi^2/\text{NDF}: 338177.1/22$

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.271 χ^2/NDF : 21.0/17

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 23.1/19

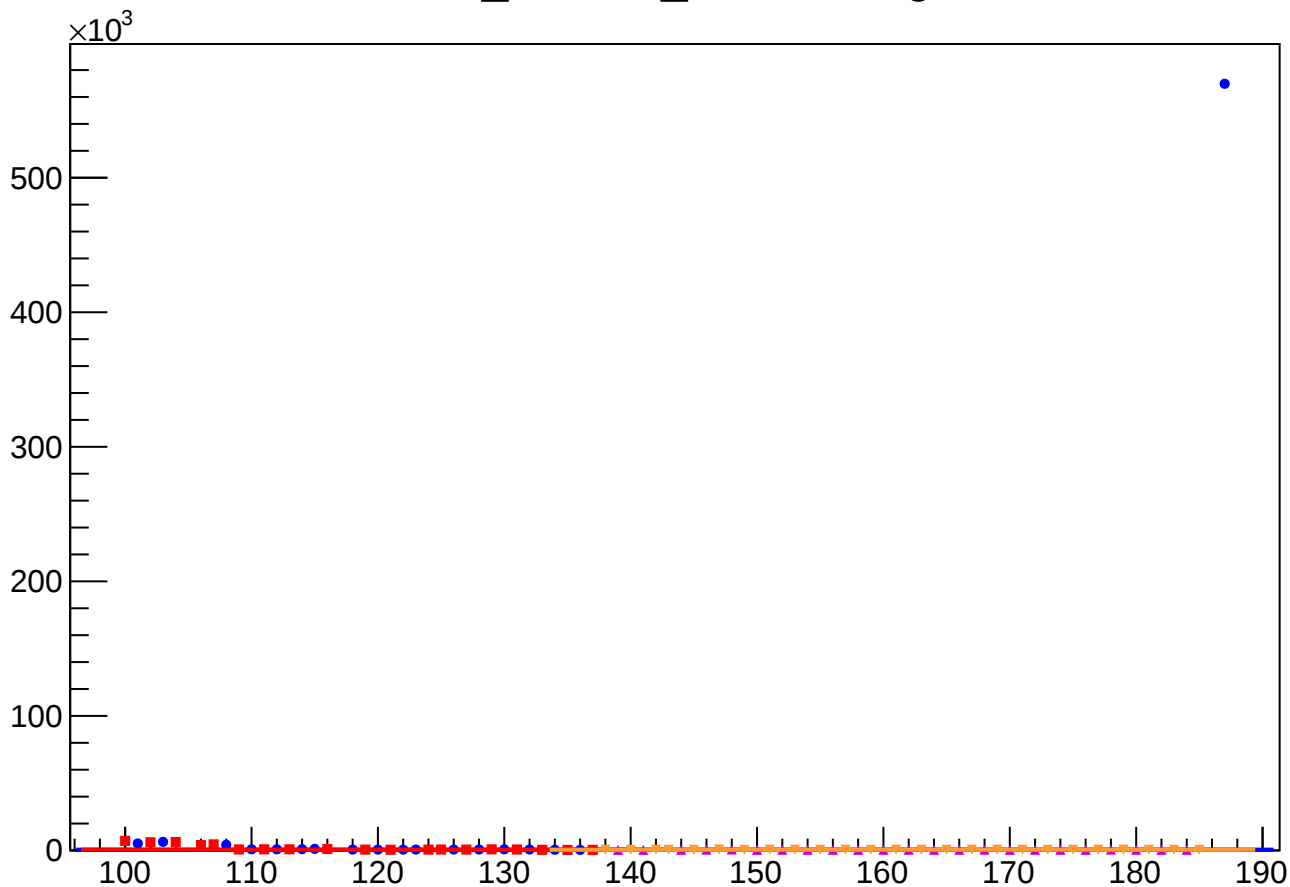
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 39.5/42

All: 0.163 ± 0.080 χ^2/NDF : 97.9/85

- sign 0.139 ± 0.113 χ^2/NDF : 58.2/42

diff_cav4cY_rms vs Slug



Right In: 608.608 $\pm$ 0.191 χ^2 /NDF: 3434071.4/17

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 599.715 $\pm$ 0.187 χ^2 /NDF: 3547458.7/18

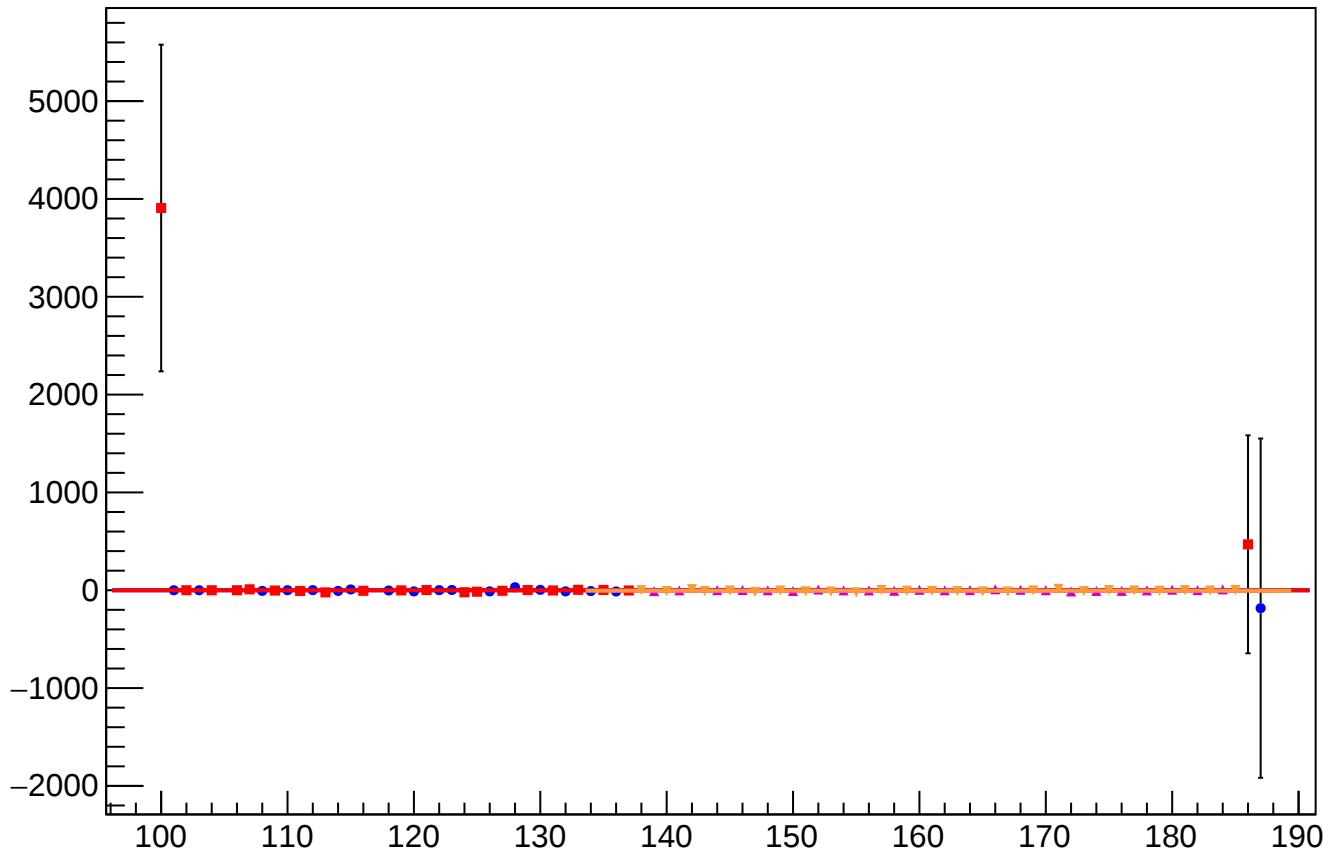
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.075 $\pm$ 0.079 χ^2 /NDF: 3934090.0/42

All: 535.829 $\pm$ 0.056 χ^2 /NDF: 8075103.6/84

- sign 534.542 $\pm$ 0.080 χ^2 /NDF: 4140506.4/41

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/17

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.0/19

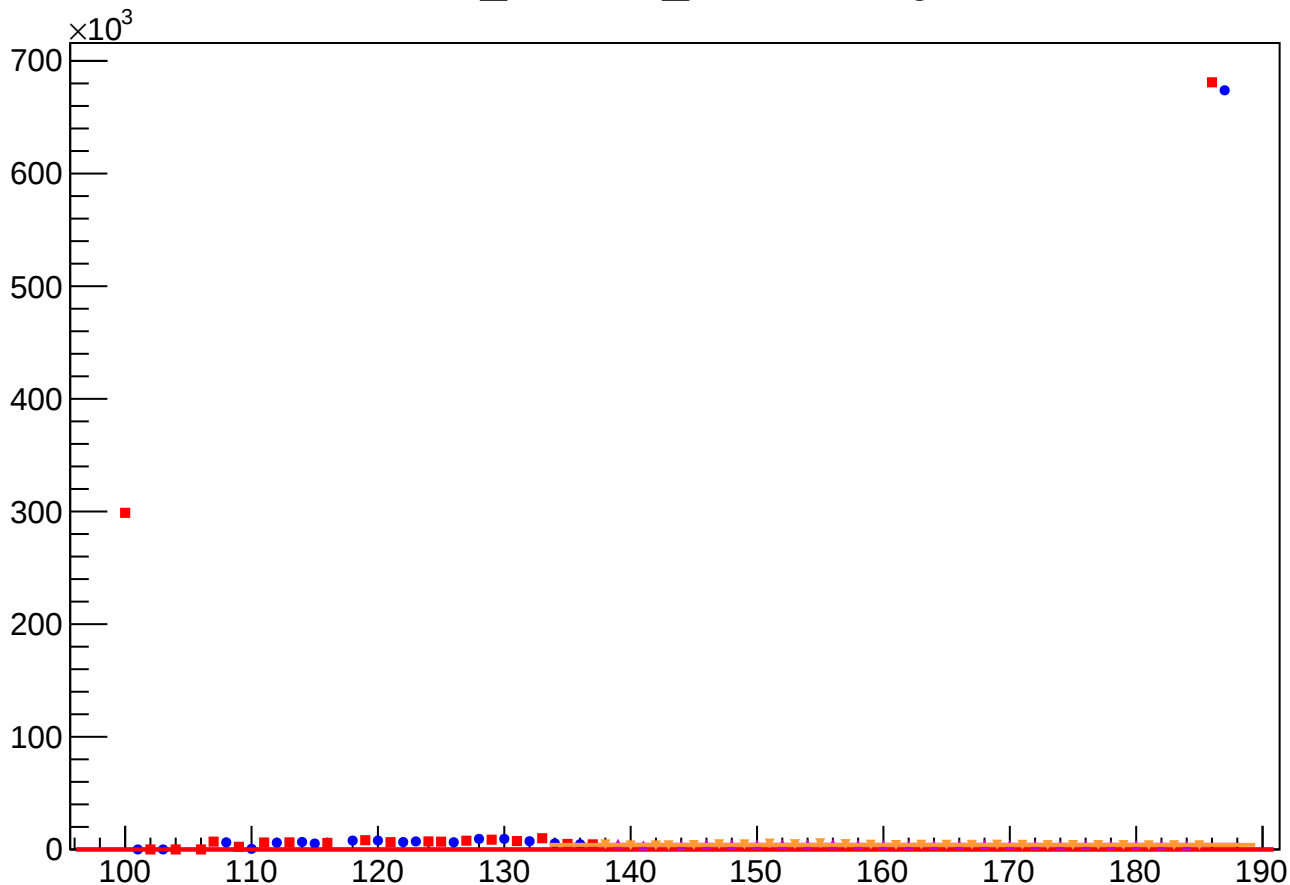
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 95.6/42

All: -0.025 ± 0.014 χ^2/NDF : 141.8/85

- sign -0.027 ± 0.020 χ^2/NDF : 46.3/42

diff_cav4dX_rms vs Slug



Right In: 17.335 ± 0.015 χ^2/NDF : 10617458.8/17

Left Out: 4074.257 ± 0.676 χ^2/NDF : 416916.0/24

Right Out: 17.267 ± 0.014 χ^2/NDF : 11506002.7/19

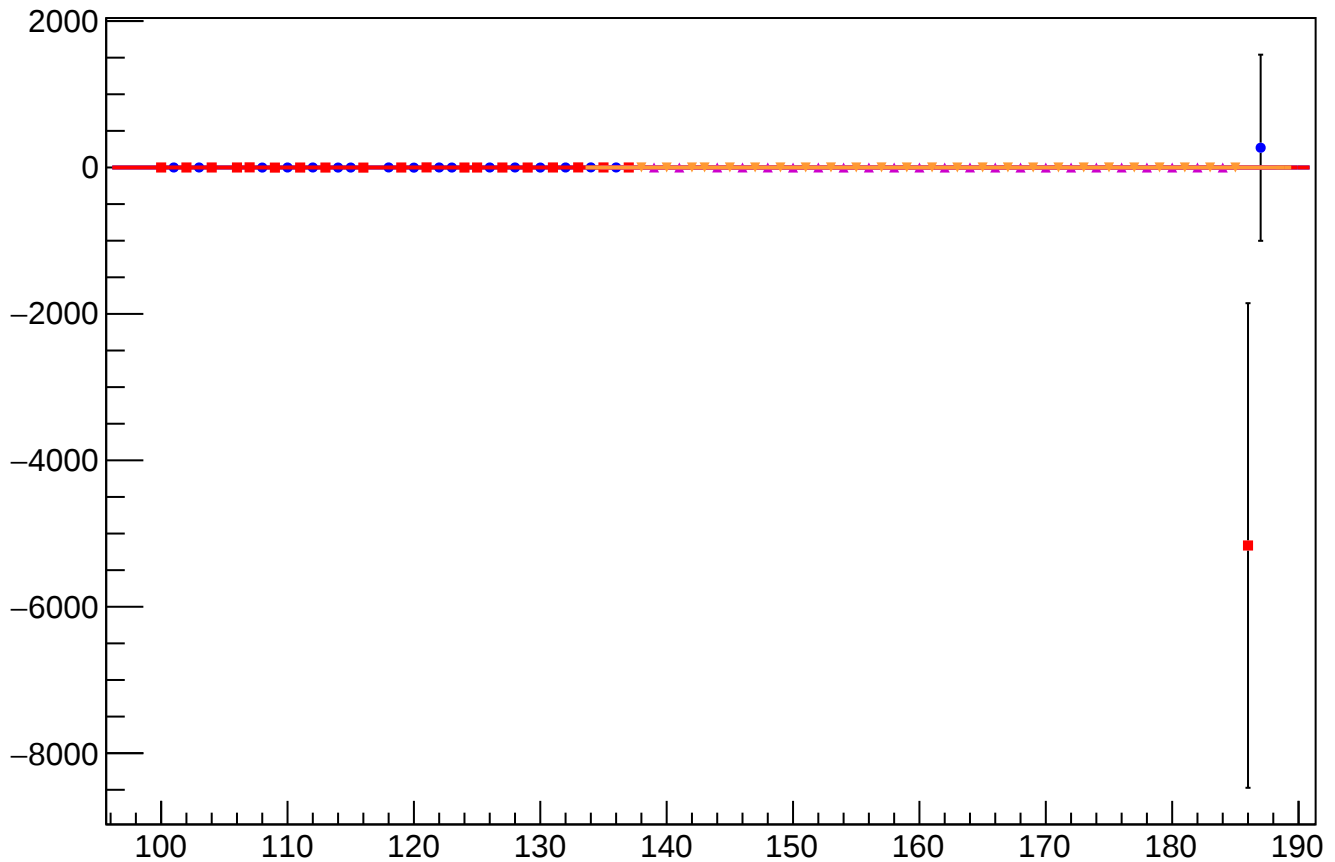
Left In: 4113.744 ± 0.700 χ^2/NDF : 354965.8/22

+ sign 19.256 ± 0.015 χ^2/NDF : 47067608.9/42

All: 19.069 ± 0.010 χ^2/NDF : 93145745.6/85

- sign 18.901 ± 0.014 χ^2/NDF : 46077830.3/42

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.4/17

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF: 16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 20.5/19

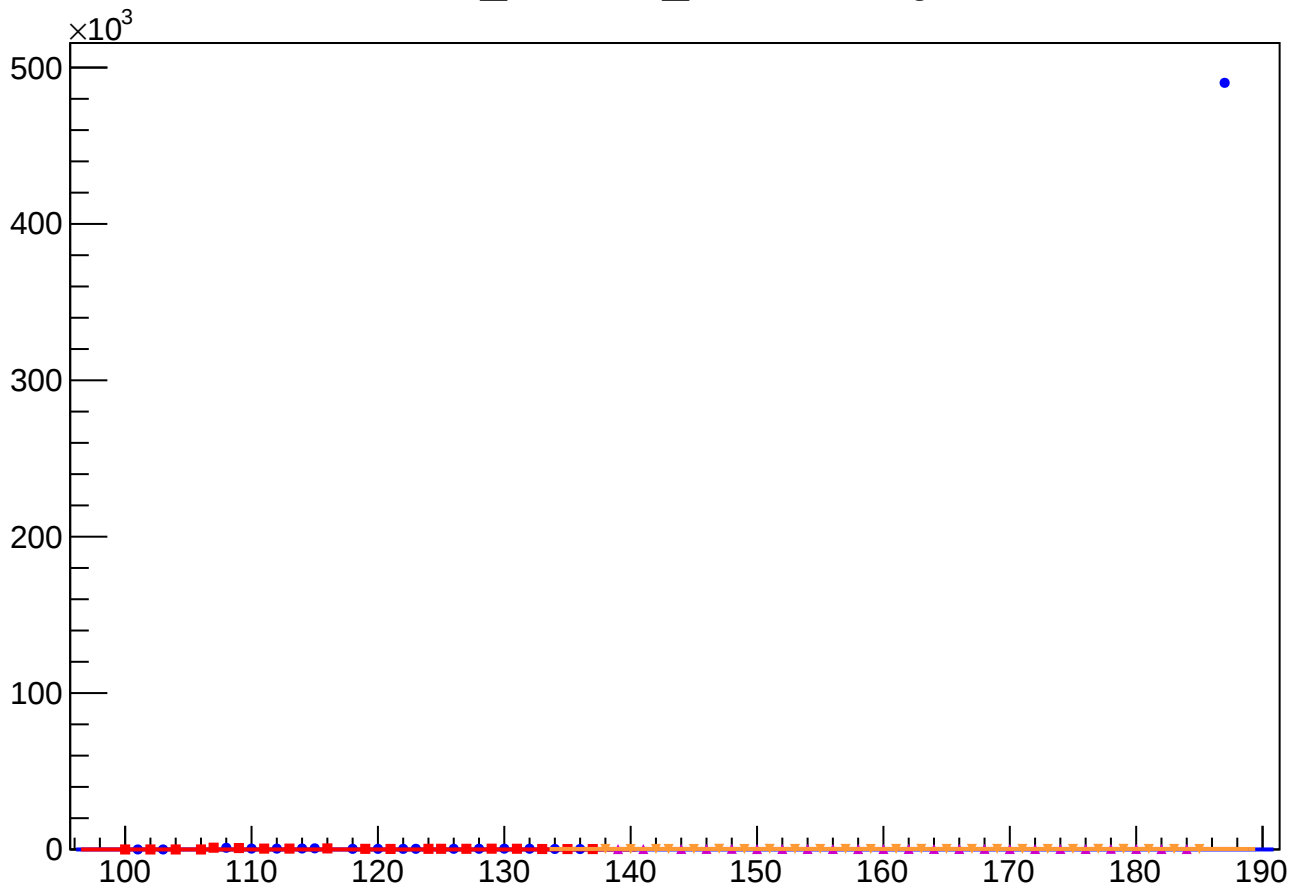
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF: 34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.0/42

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

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 56.2/42

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 11162410.2/17

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10690594.4/18

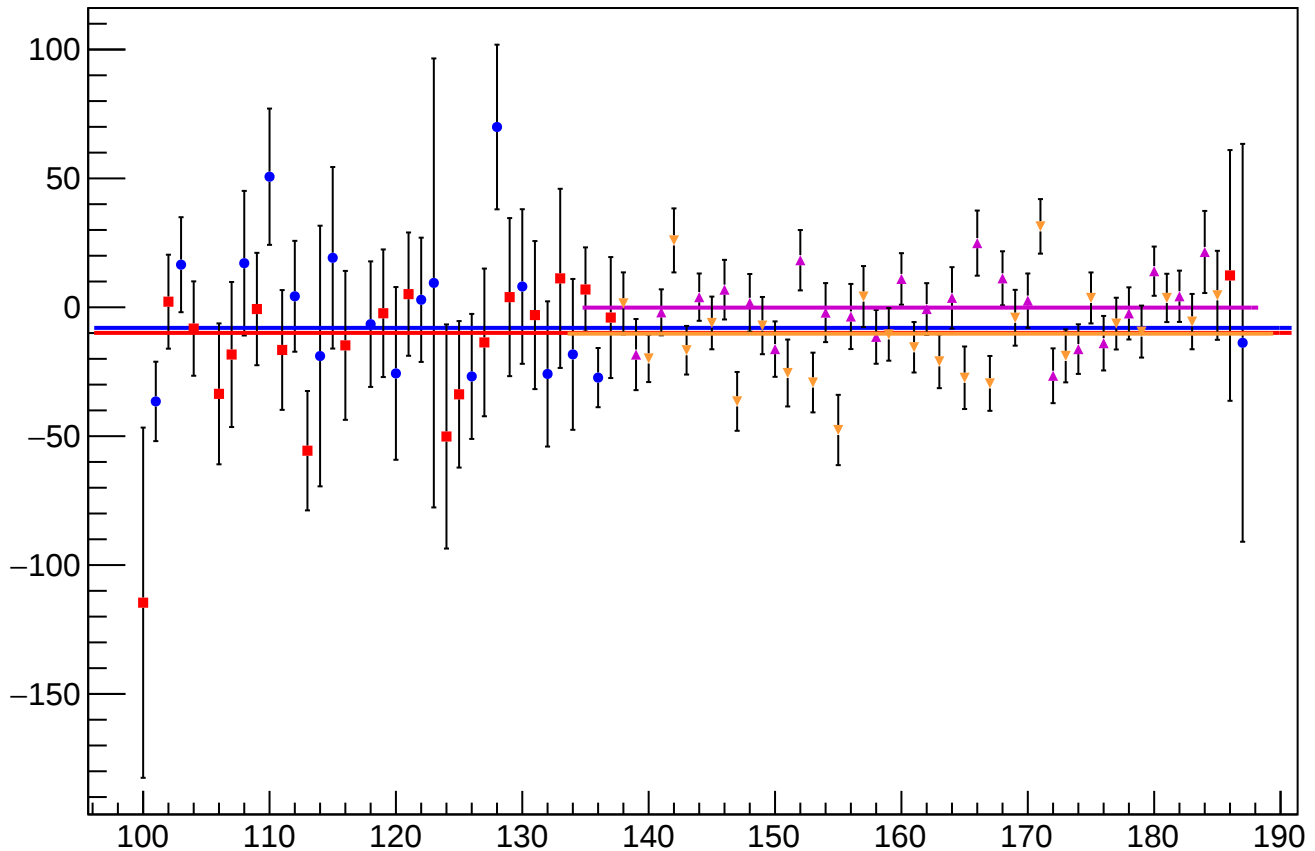
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 47474787.3/42

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 92564461.8/84

- sign 1.925 $\pm$ 0.001 χ^2 /NDF: 45089674.4/41

diff_bpm4aX_mean vs Slug



Right In: -7.983 ± 5.624 χ^2/NDF : 22.6/17

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -9.928 ± 5.654 χ^2/NDF : 11.9/19

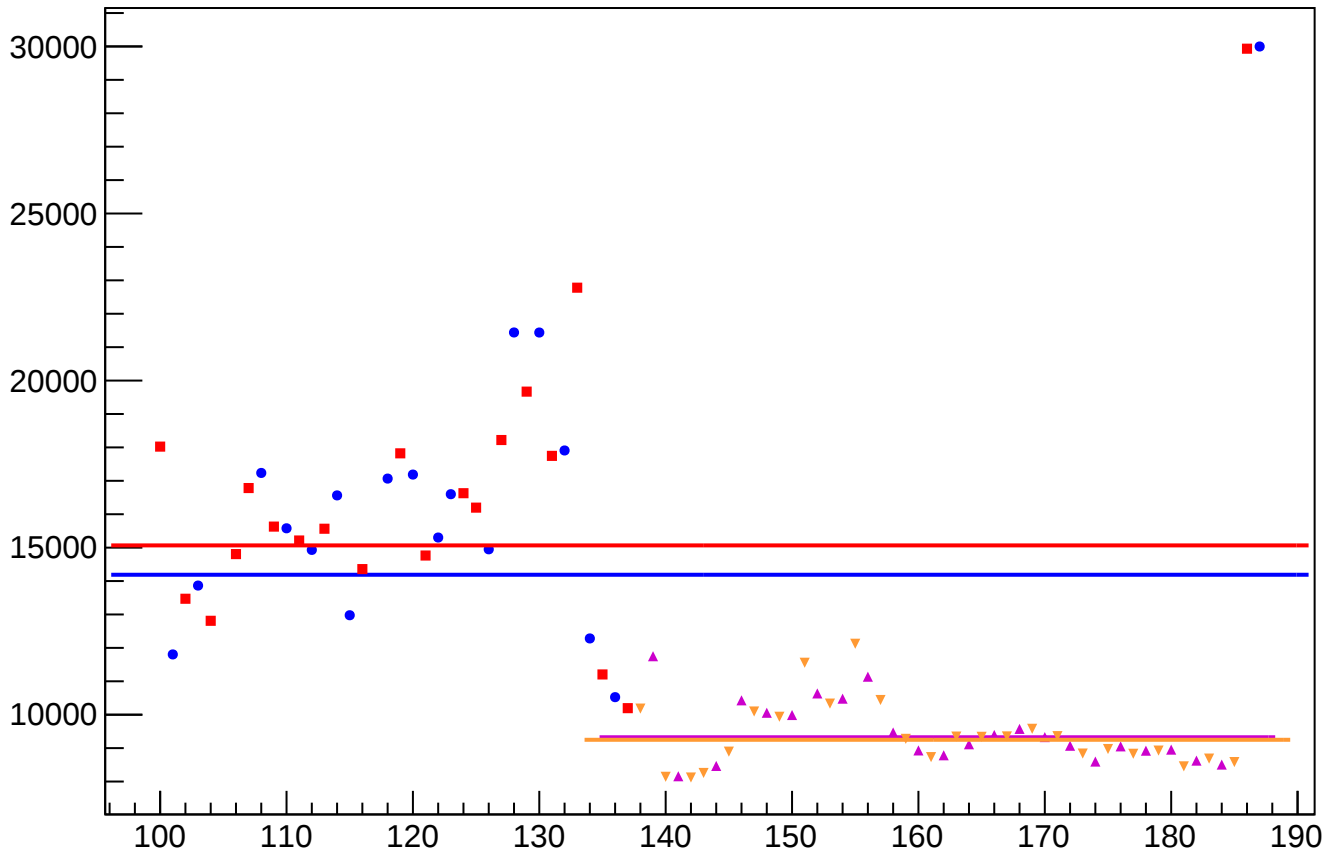
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -9.944 ± 2.022 χ^2/NDF : 80.7/42

All: -5.832 ± 1.451 χ^2/NDF : 133.6/85

- sign -1.461 ± 2.084 χ^2/NDF : 44.3/42

diff_bpm4aX_rms vs Slug



Right In: 14188.516+/-3.977 χ^2/NDF : 689233.2/17

Left Out: 9249.358+/-1.532 χ^2/NDF :332003.4/24

+ sign 9887.736+/-1.430 χ^2/NDF : 2364576.9/42

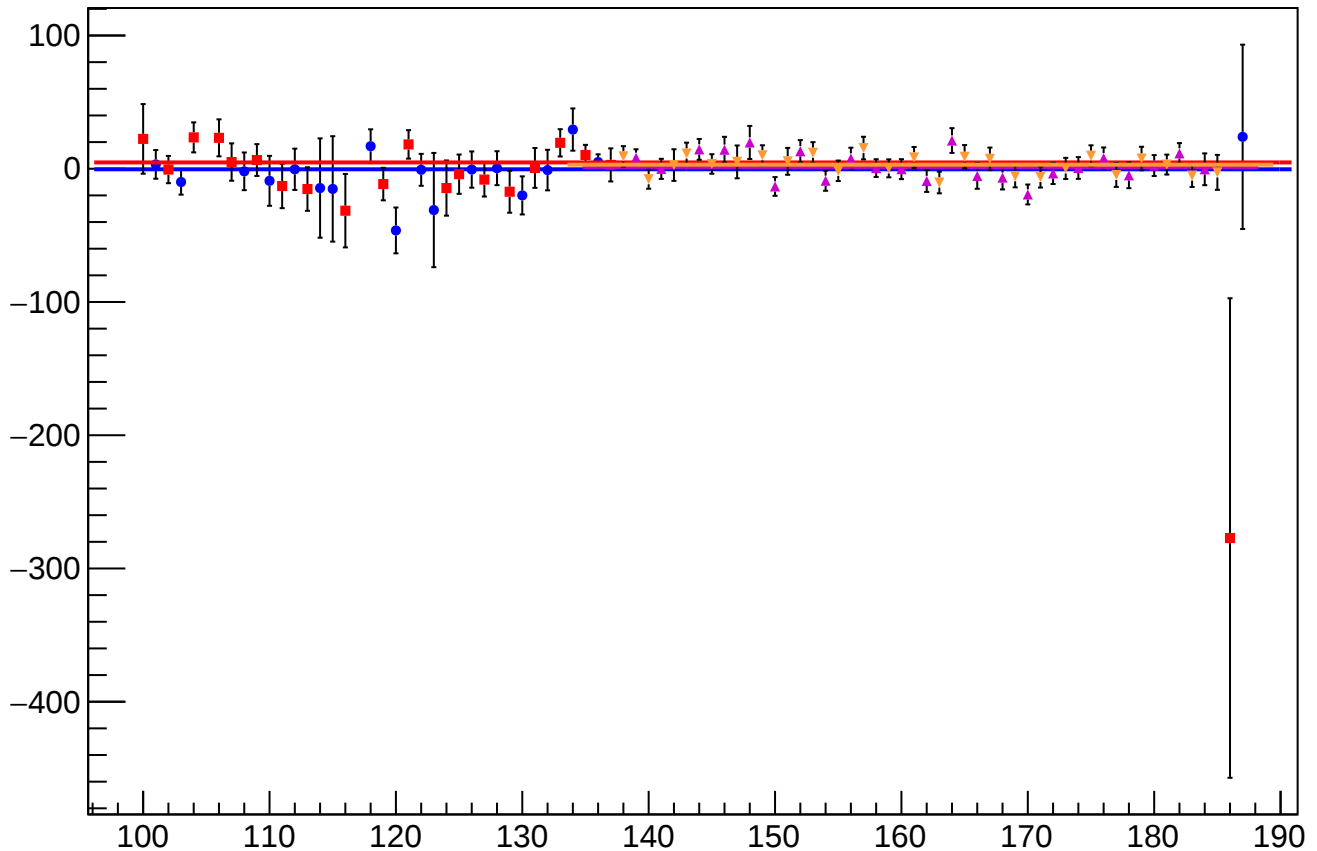
Right Out: 15067.147+/-3.998 χ^2/NDF : 661492.7/19

All: 9993.297+/-1.026 χ^2/NDF : 5100811.9/85

Left In: 9325.112+/-1.585 χ^2/NDF :280927.7/22

- sign 10105.485+/-1.474 χ^2/NDF : 2724988.5/42

diff_bpm4aY_mean vs Slug



Right In: -0.407 ± 3.086 χ^2/NDF : 17.6/17

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 4.739 ± 2.945 χ^2/NDF : 22.4/19

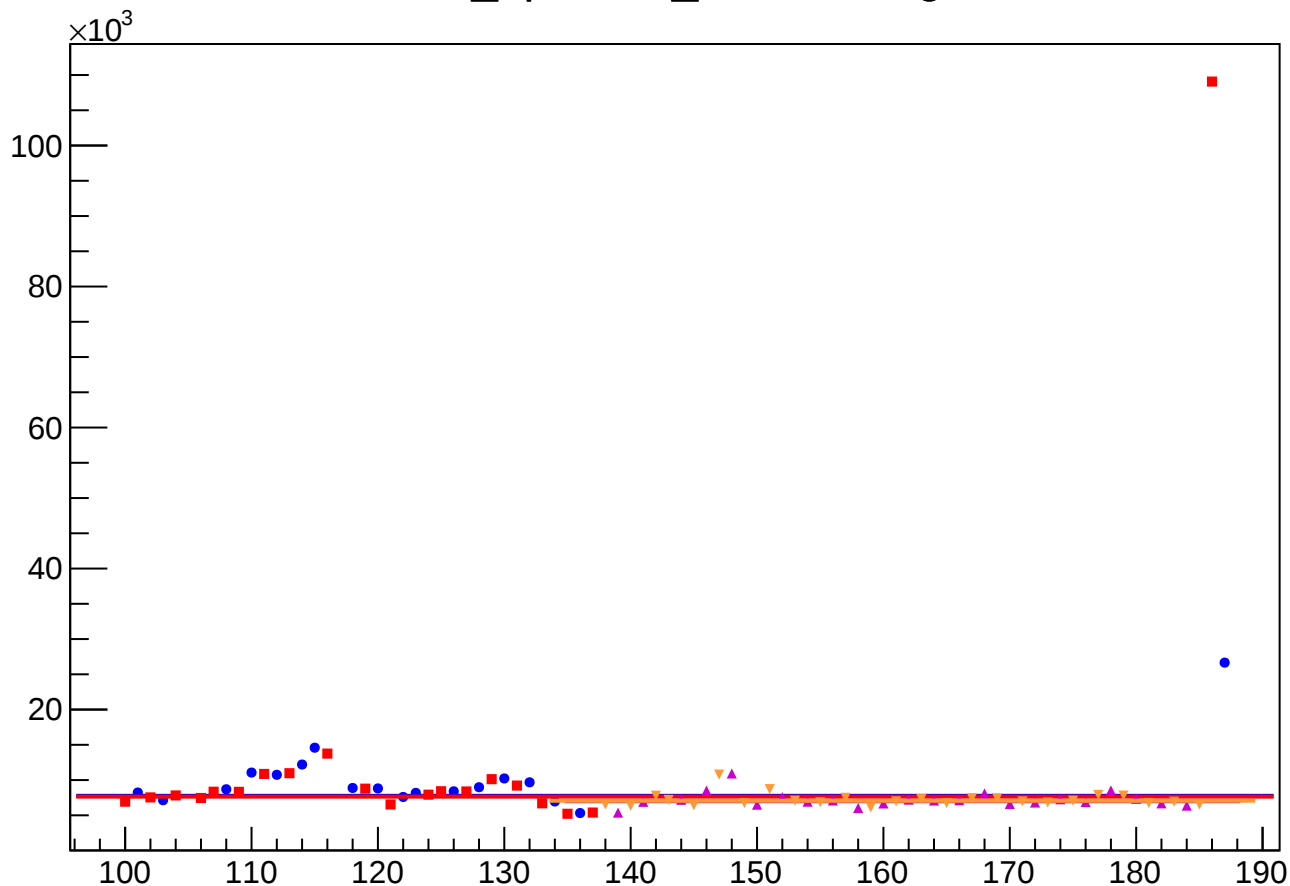
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.284 ± 1.461 χ^2/NDF : 36.8/42

All: 2.255 ± 1.036 χ^2/NDF : 95.5/85

- sign 2.225 ± 1.468 χ^2/NDF : 58.7/42

diff_bpm4aY_rms vs Slug



Right In: 7764.304 ± 2.182 $\chi^2/\text{NDF}: 892115.2/17$

Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$

Right Out: 7647.285 ± 2.083 $\chi^2/\text{NDF}: 1314650.1/19$

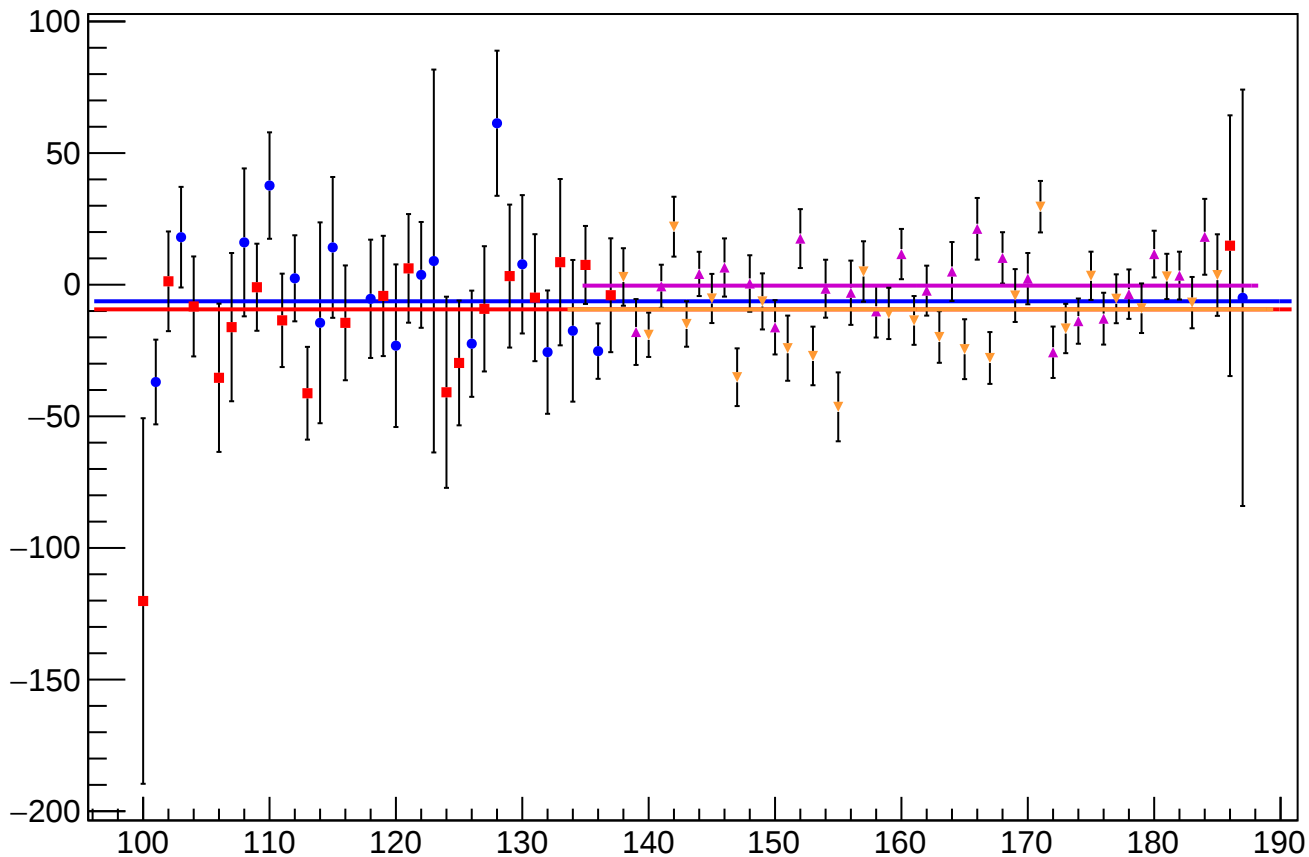
Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

+ sign 7223.163 ± 1.033 $\chi^2/\text{NDF}: 1358818.2/42$

All: 7192.311 ± 0.732 $\chi^2/\text{NDF}: 3297768.1/85$

- sign 7161.171 ± 1.038 $\chi^2/\text{NDF}: 1937158.2/42$

diff_bpm4eX_mean vs Slug



Right In: -6.297 ± 5.035 χ^2/NDF : 23.2/17

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -9.366 ± 4.987 χ^2/NDF : 11.7/19

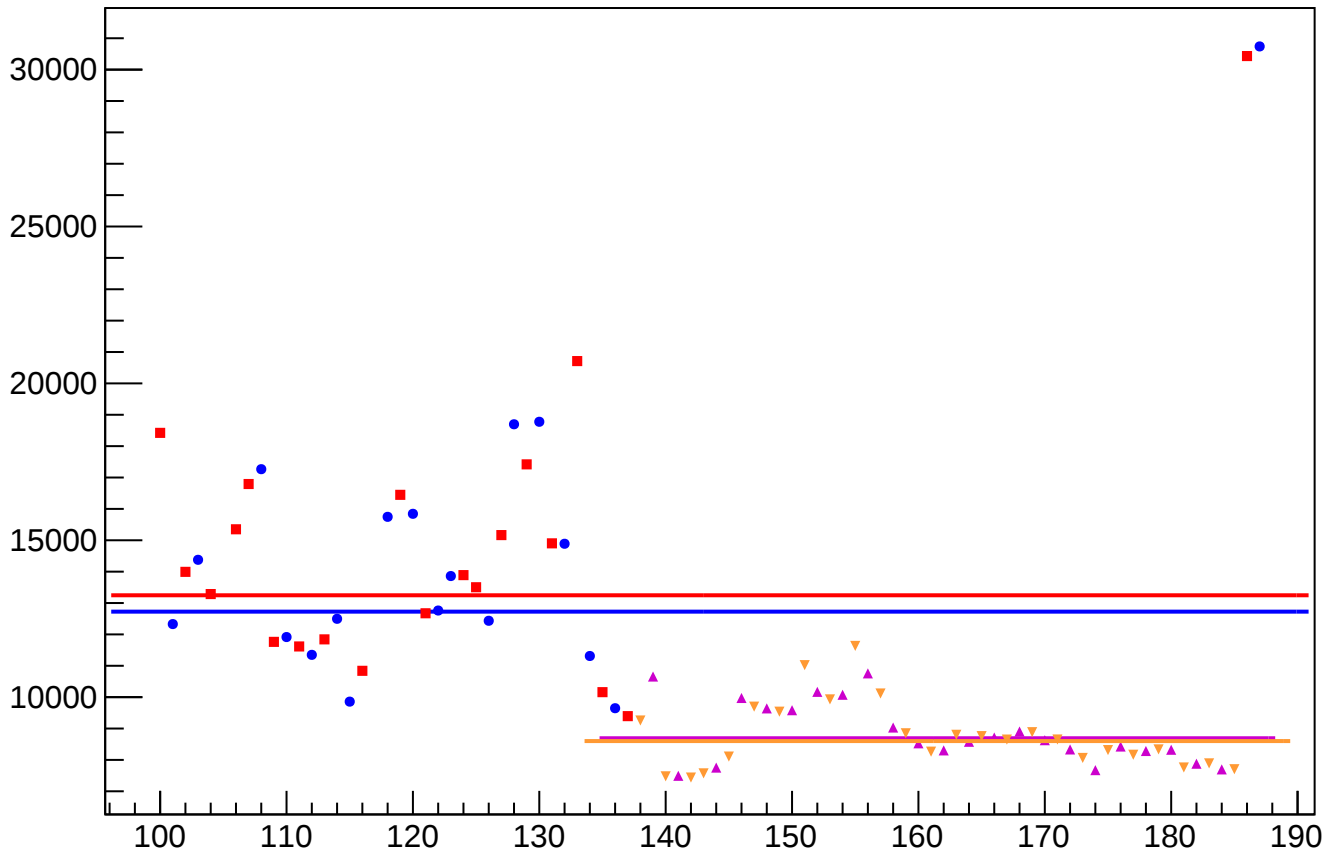
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -8.950 ± 1.873 χ^2/NDF : 81.9/42

All: -5.434 ± 1.344 χ^2/NDF : 133.3/85

- sign -1.702 ± 1.929 χ^2/NDF : 44.1/42

diff_bpm4eX_rms vs Slug



Right In: 12725.398+/-3.560 χ^2/NDF : 663524.5/17

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 13246.891+/-3.527 χ^2/NDF : 741379.6/19

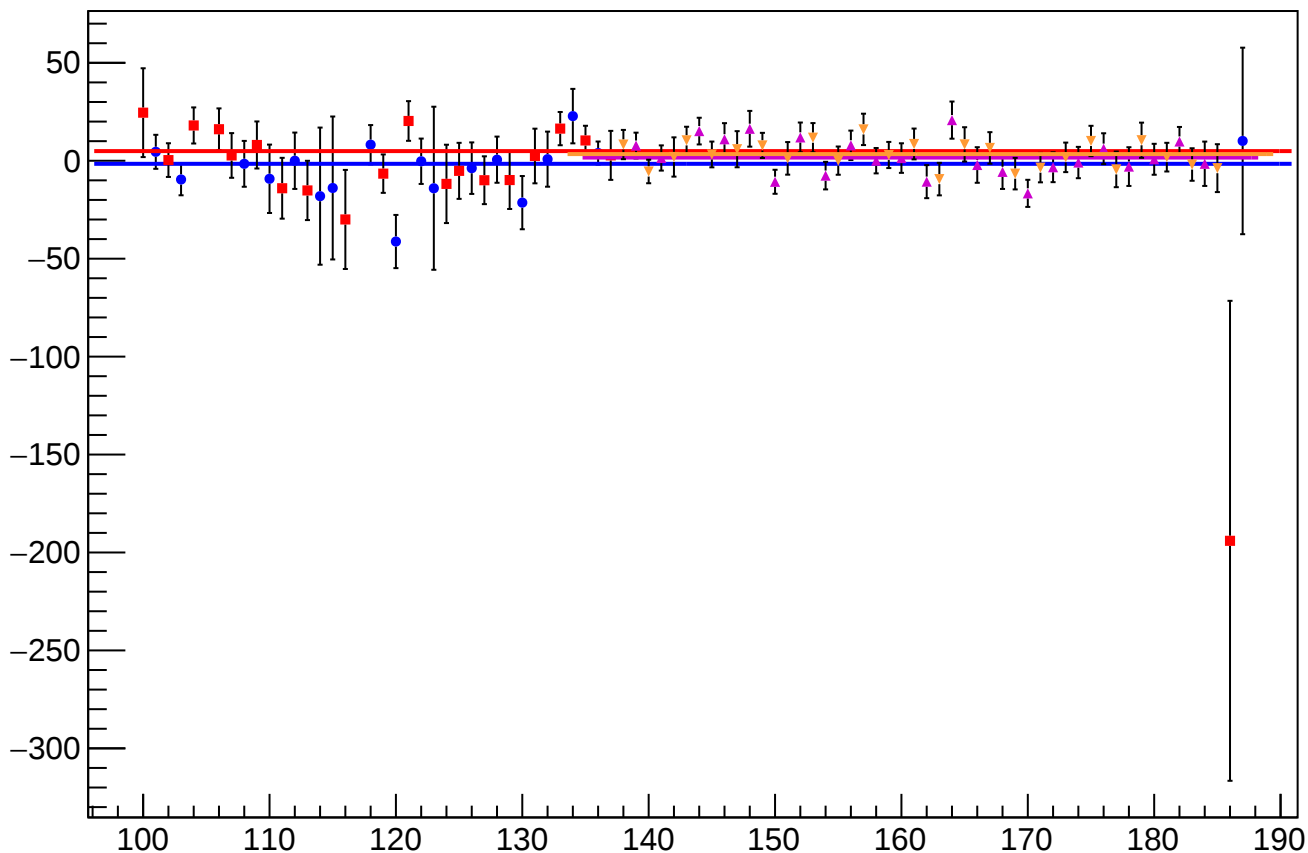
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9171.251+/-1.324 χ^2/NDF : 2258376.8/42

All: 9268.687+/-0.950 χ^2/NDF : 4801342.5/85

- sign 9372.077+/-1.364 χ^2/NDF : 2531809.6/42

diff_bpm4eY_mean vs Slug



Right In: -1.563 ± 2.806 χ^2/NDF : 17.8/17

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 4.930 ± 2.646 χ^2/NDF : 21.8/19

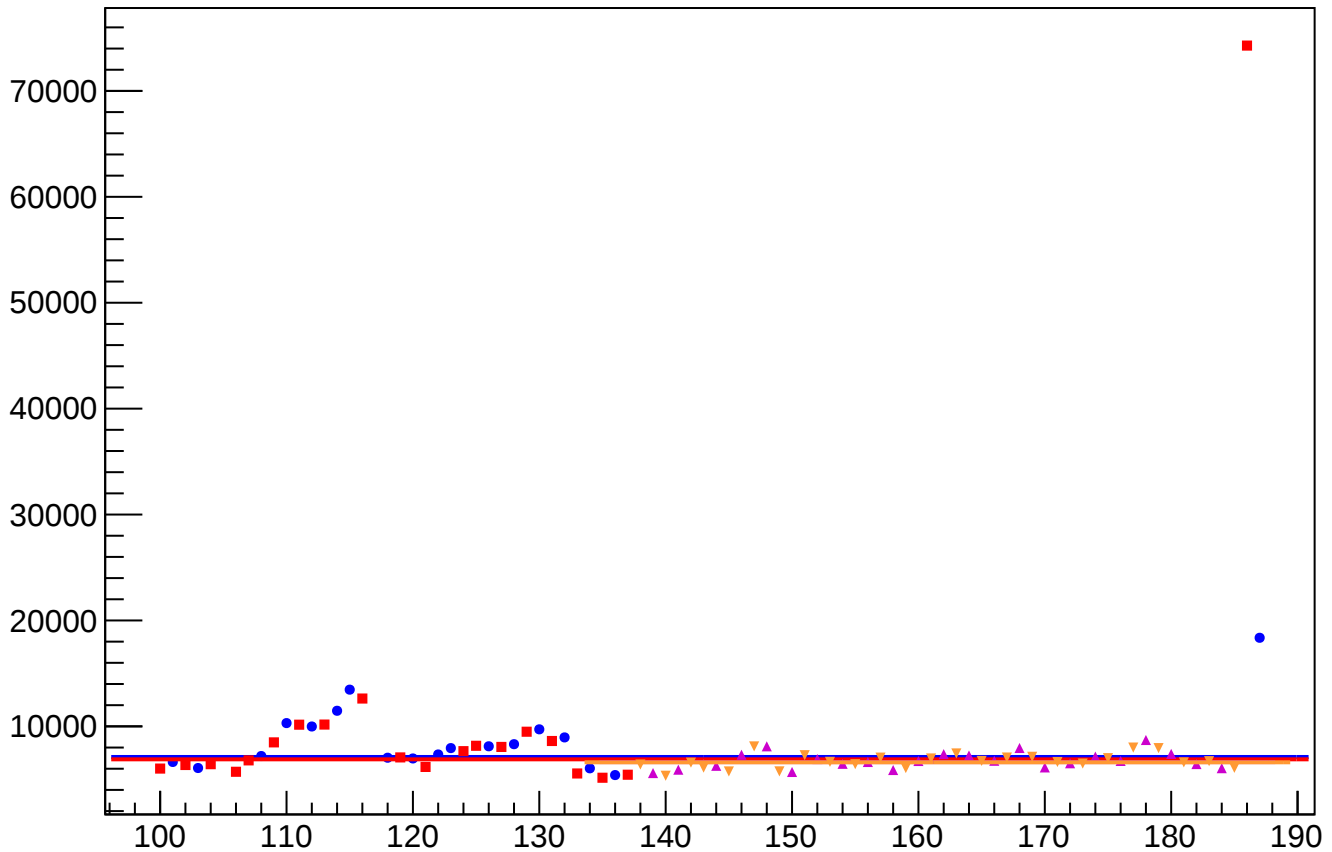
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.243 ± 1.357 χ^2/NDF : 37.1/42

All: 2.376 ± 0.964 χ^2/NDF : 93.5/85

- sign 2.510 ± 1.369 χ^2/NDF : 56.4/42

diff_bpm4eY_rms vs Slug



Right In: 7108.901 $\pm$ 1.984 χ^2 /NDF: 713855.3/17

Left Out: 6607.100 $\pm$ 1.096 χ^2 /NDF: 398416.1/24

Right Out: 6887.593 $\pm$ 1.871 χ^2 /NDF: 1291771.2/19

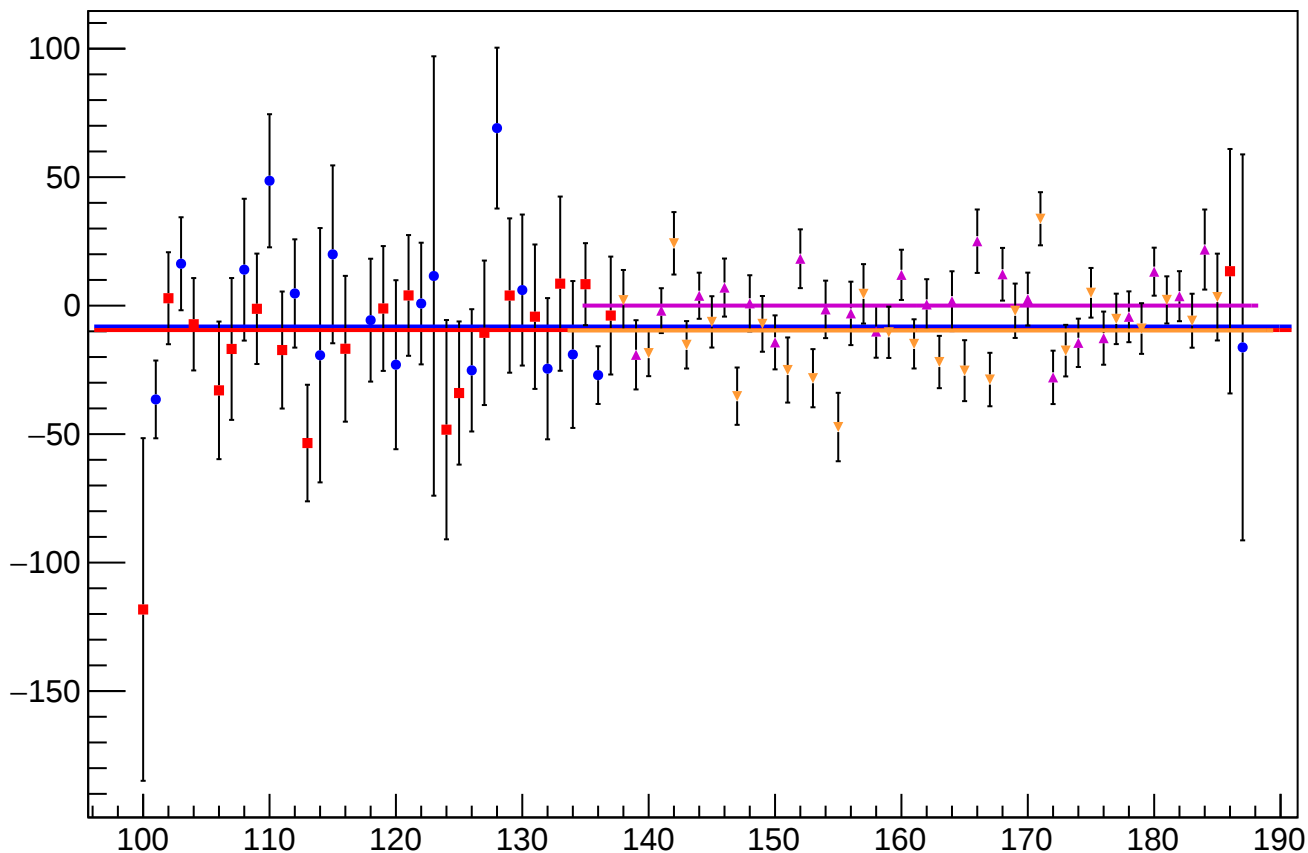
Left In: 6628.653 $\pm$ 1.131 χ^2 /NDF: 430282.2/22

+ sign 6724.472 $\pm$ 0.960 χ^2 /NDF: 1161274.0/42

All: 6711.308 $\pm$ 0.681 χ^2 /NDF: 2897734.6/85

- sign 6697.917 $\pm$ 0.968 χ^2 /NDF: 1736080.9/42

diff_bpm4acX_mean vs Slug



Right In: -8.128 ± 5.512 χ^2/NDF : 22.5/17

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -9.512 ± 5.543 χ^2/NDF : 12.2/19

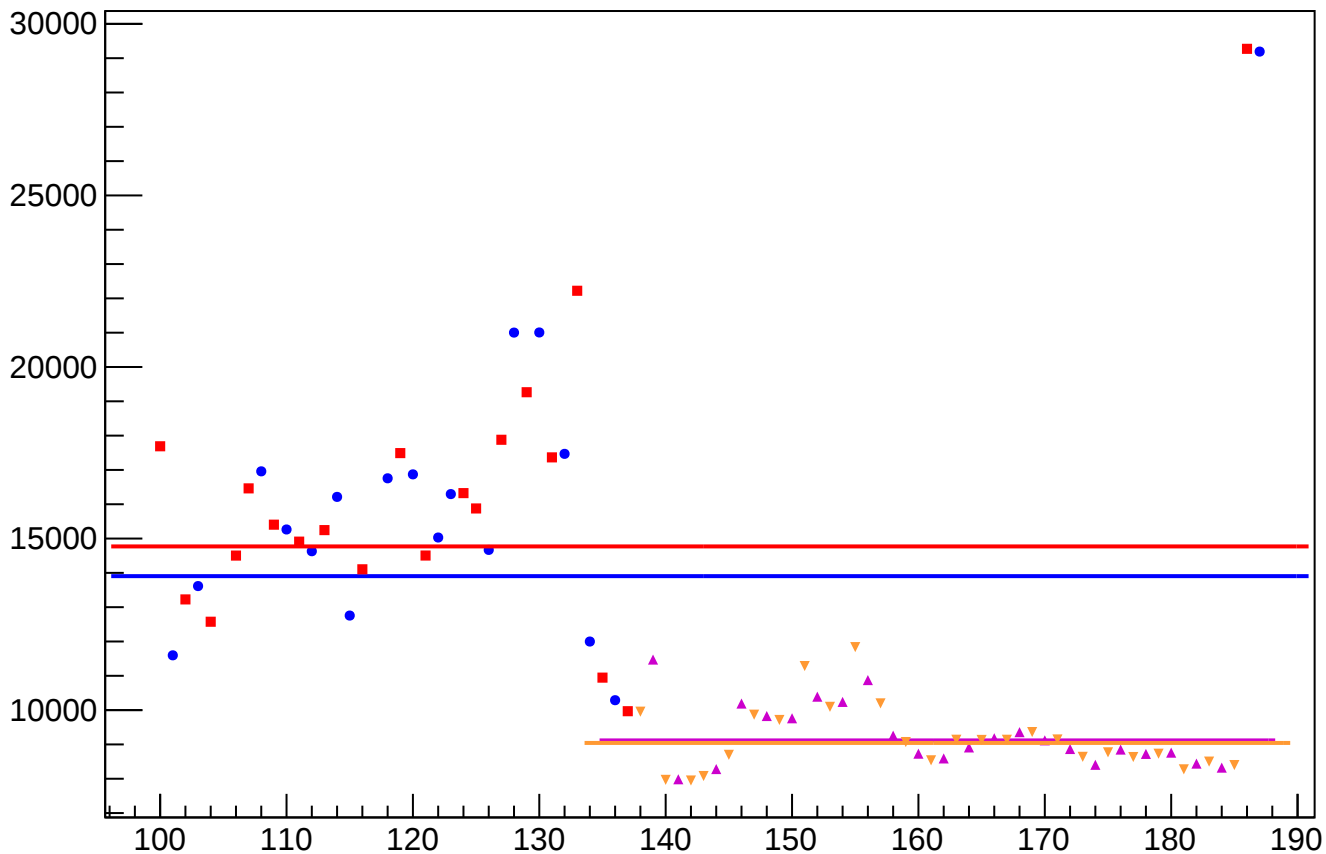
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.453 ± 1.977 χ^2/NDF : 82.3/42

All: -5.486 ± 1.419 χ^2/NDF : 136.0/85

- sign -1.270 ± 2.038 χ^2/NDF : 45.4/42

diff_bpm4acX_rms vs Slug



Right In: 13904.630+/-3.897 χ^2/NDF : 691286.3/17

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

Right Out: 14770.789+/-3.919 χ^2/NDF : 662393.4/19

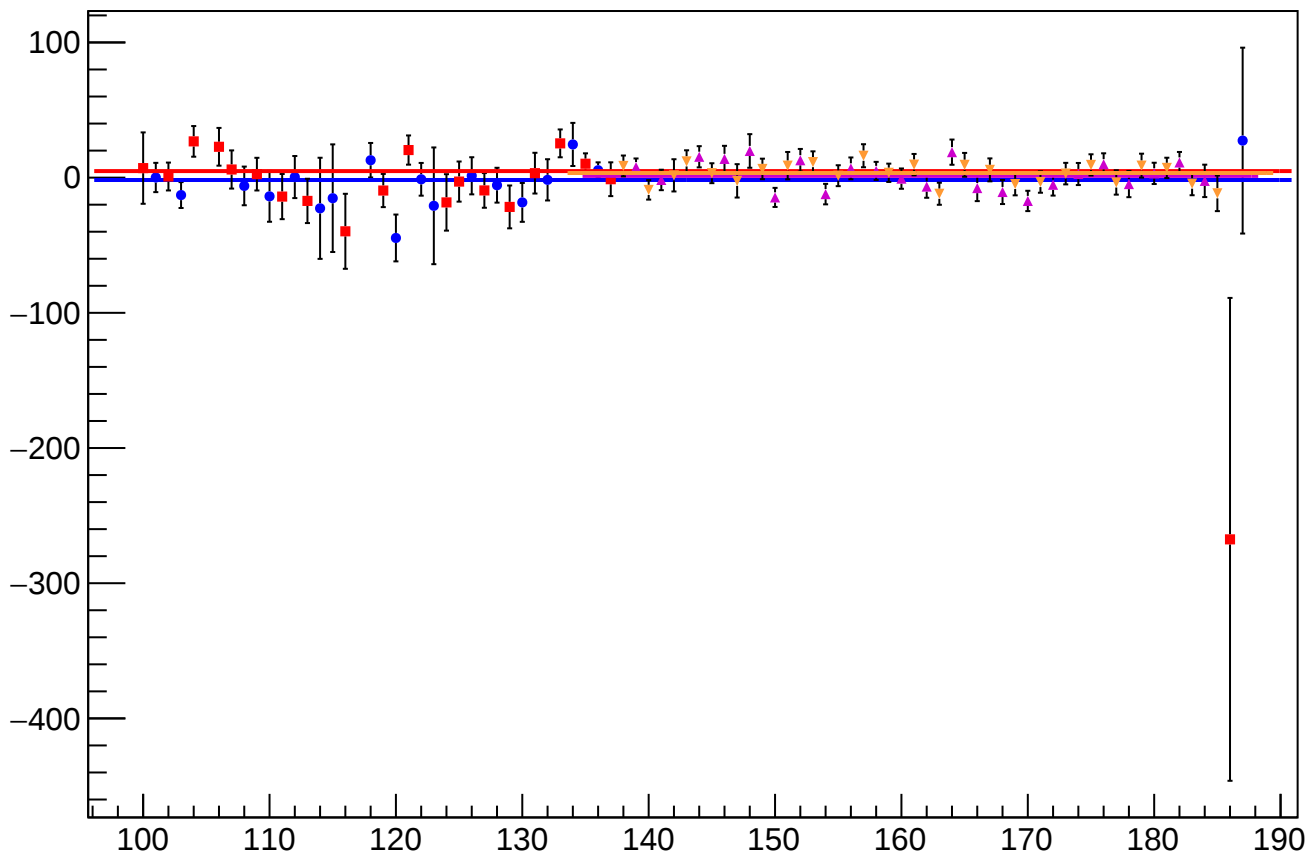
Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

+ sign 9669.075+/-1.398 χ^2/NDF : 2375018.8/42

All: 9772.095+/-1.004 χ^2/NDF : 5125769.0/85

- sign 9881.584+/-1.441 χ^2/NDF : 2739550.4/42

diff_bpm4acY_mean vs Slug



Right In: -1.746 ± 3.109 $\chi^2/\text{NDF}: 15.9/17$

Left Out: 3.439 ± 1.666 $\chi^2/\text{NDF}: 18.9/24$

Right Out: 4.845 ± 2.968 $\chi^2/\text{NDF}: 27.3/19$

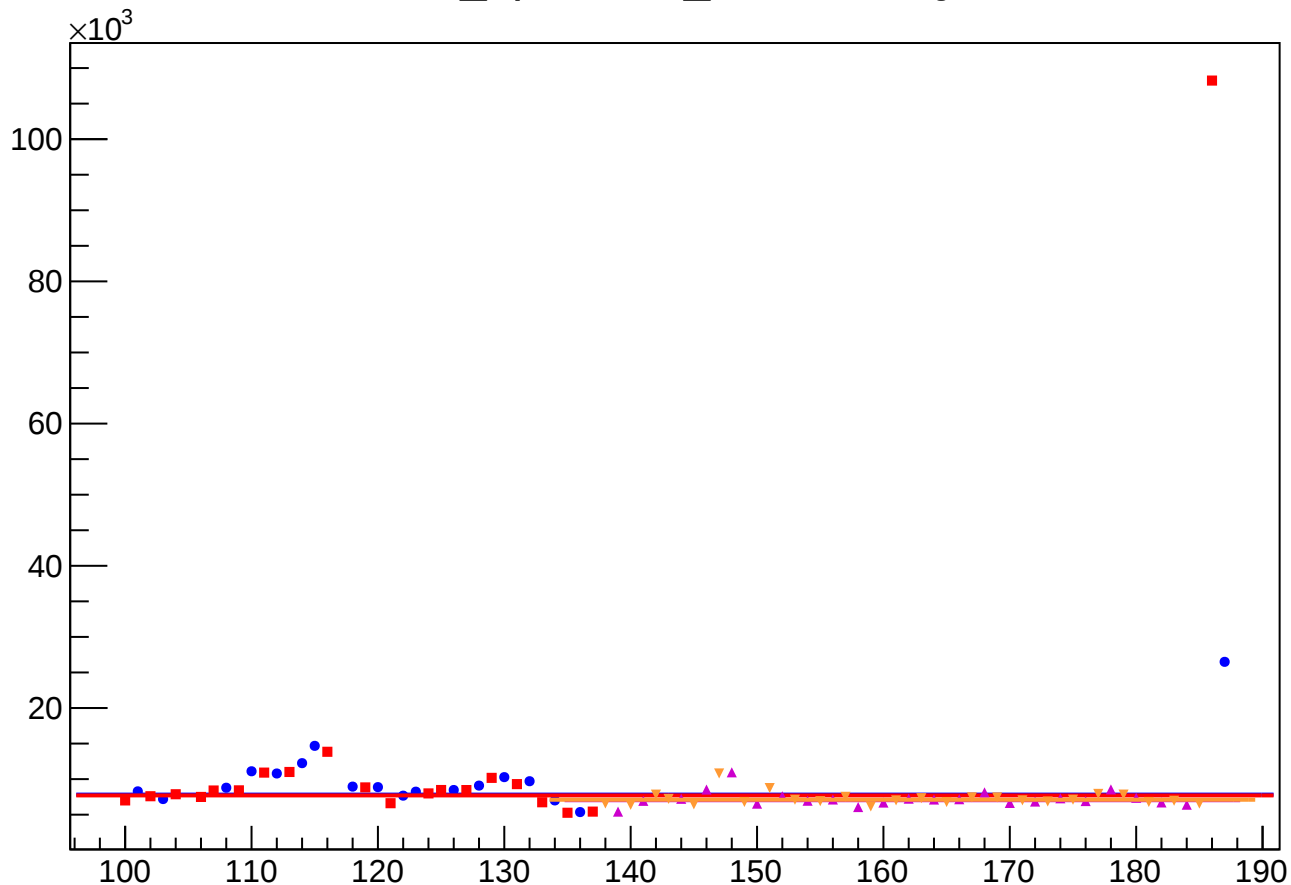
Left In: 1.291 ± 1.701 $\chi^2/\text{NDF}: 36.5/22$

+ sign 2.283 ± 1.469 $\chi^2/\text{NDF}: 37.0/42$

All: 2.226 ± 1.041 $\chi^2/\text{NDF}: 101.9/85$

- sign 2.170 ± 1.476 $\chi^2/\text{NDF}: 64.9/42$

diff_bpm4acY_rms vs Slug



Right In: 7823.764 $\pm$ 2.198 χ^2/NDF : 885937.6/17

Left Out: 7098.726 $\pm$ 1.178 χ^2/NDF : 382550.4/24

Right Out: 7708.844 $\pm$ 2.099 χ^2/NDF : 1306658.9/19

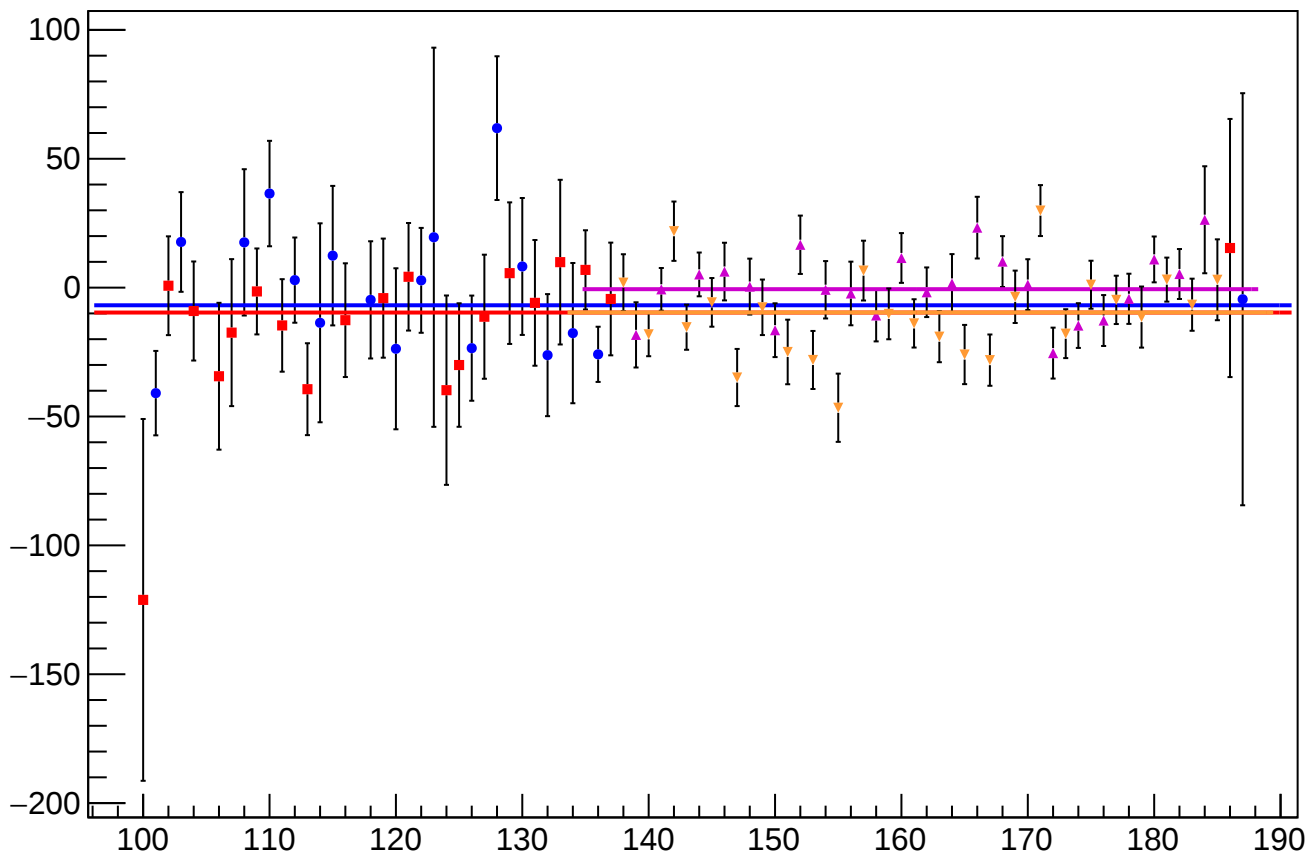
Left In: 7033.702 $\pm$ 1.203 χ^2/NDF : 541035.5/22

+ sign 7260.491 $\pm$ 1.038 χ^2/NDF : 1352992.0/42

All: 7230.695 $\pm$ 0.736 χ^2/NDF : 3280241.7/85

- sign 7200.604 $\pm$ 1.044 χ^2/NDF : 1925594.8/42

diff_bpm4ecX_mean vs Slug



Right In: -6.846 ± 5.103 $\chi^2/\text{NDF}: 23.8/17$

Left Out: -9.640 ± 2.057 $\chi^2/\text{NDF}: 57.6/24$

Right Out: -9.664 ± 5.058 $\chi^2/\text{NDF}: 10.8/19$

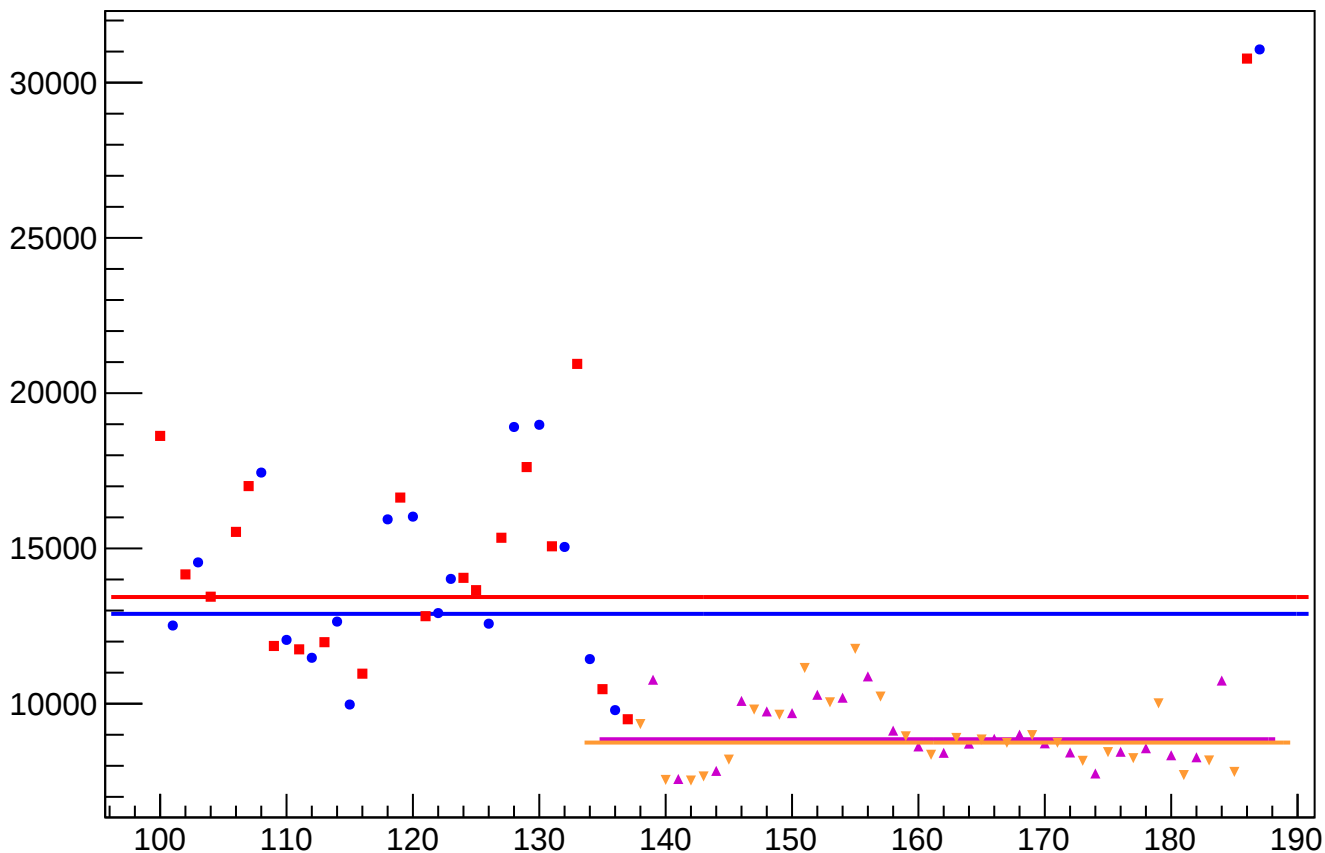
Left In: -0.599 ± 2.135 $\chi^2/\text{NDF}: 29.7/22$

+ sign -9.250 ± 1.908 $\chi^2/\text{NDF}: 81.7/42$

All: -5.721 ± 1.370 $\chi^2/\text{NDF}: 131.9/85$

- sign -1.970 ± 1.967 $\chi^2/\text{NDF}: 43.2/42$

diff_bpm4ecX_rms vs Slug



Right In: 12892.964+/-3.608 χ^2/NDF : 656880.8/17

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 13435.149+/-3.577 χ^2/NDF : 728235.9/19

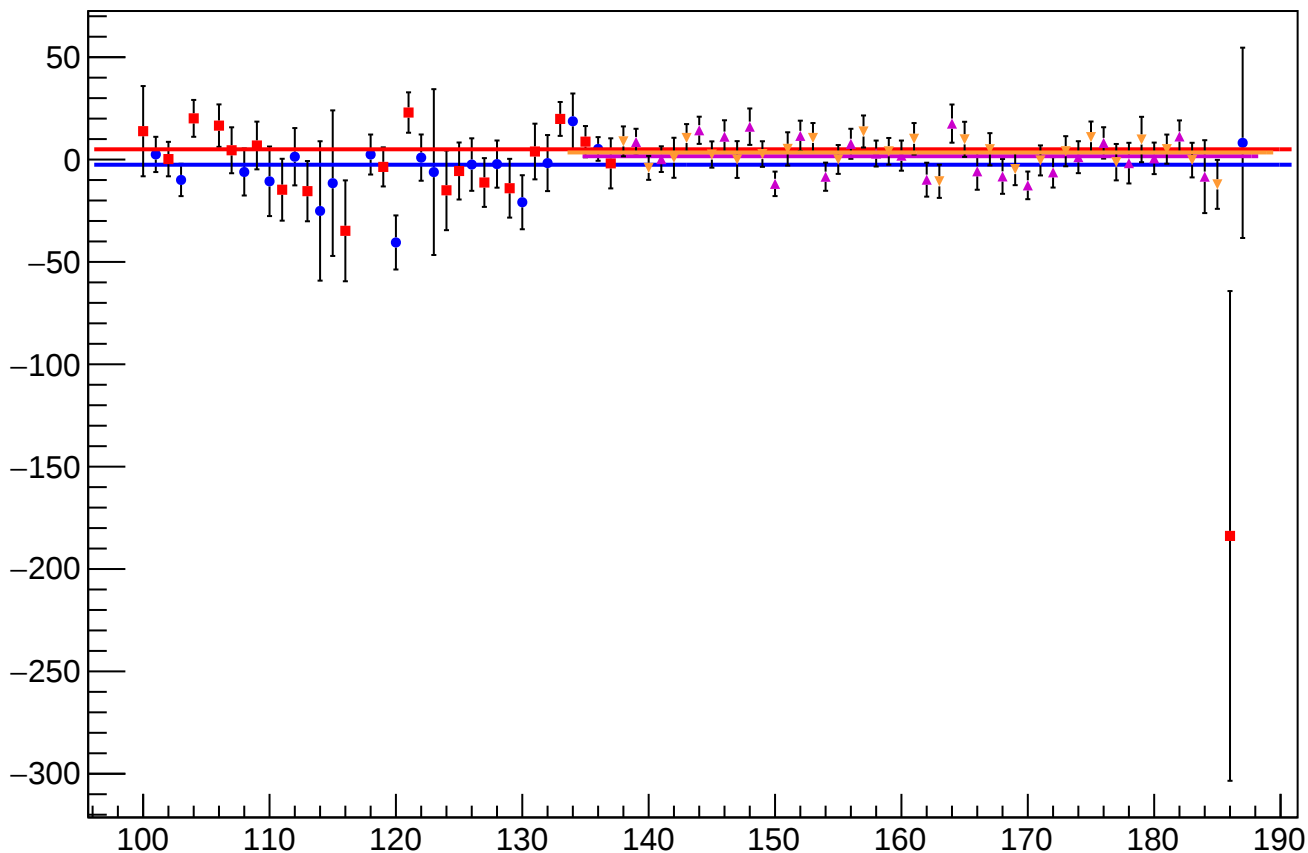
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9327.929+/-1.349 χ^2/NDF : 2255283.2/42

All: 9434.654+/-0.968 χ^2/NDF : 4755383.0/85

- sign 9548.078+/-1.391 χ^2/NDF : 2487192.2/42

diff_bpm4ecY_mean vs Slug



Right In: -2.528 ± 2.747 χ^2/NDF : 17.0/17

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 5.010 ± 2.594 χ^2/NDF : 26.5/19

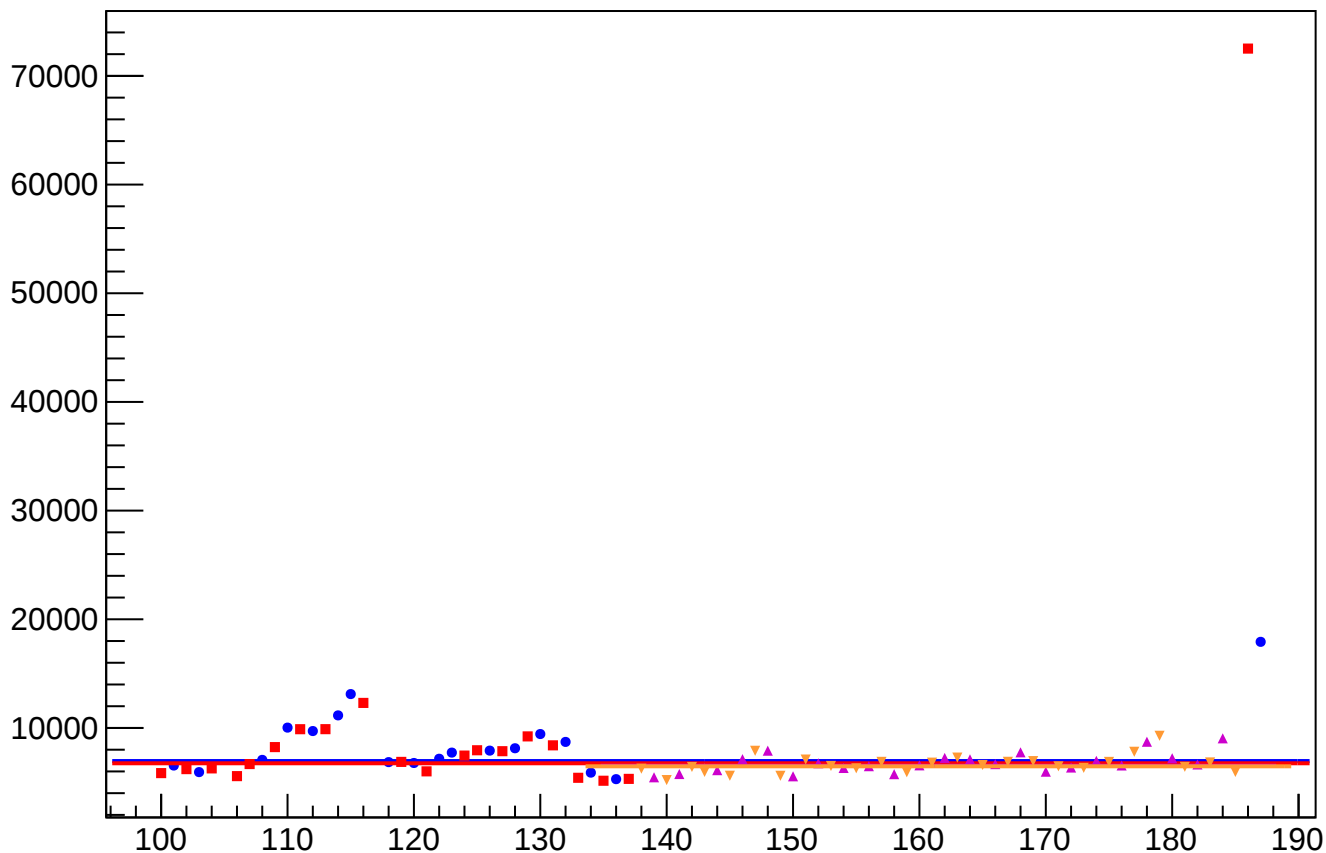
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.061 ± 1.333 χ^2/NDF : 36.4/42

All: 2.302 ± 0.948 χ^2/NDF : 97.9/85

- sign 2.549 ± 1.348 χ^2/NDF : 61.4/42

diff_bpm4ecY_rms vs Slug



Right In: 6956.069+/-1.942 χ^2/NDF : 699779.8/17

Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24

Right Out: 6750.431+/-1.834 χ^2/NDF : 1262747.1/19

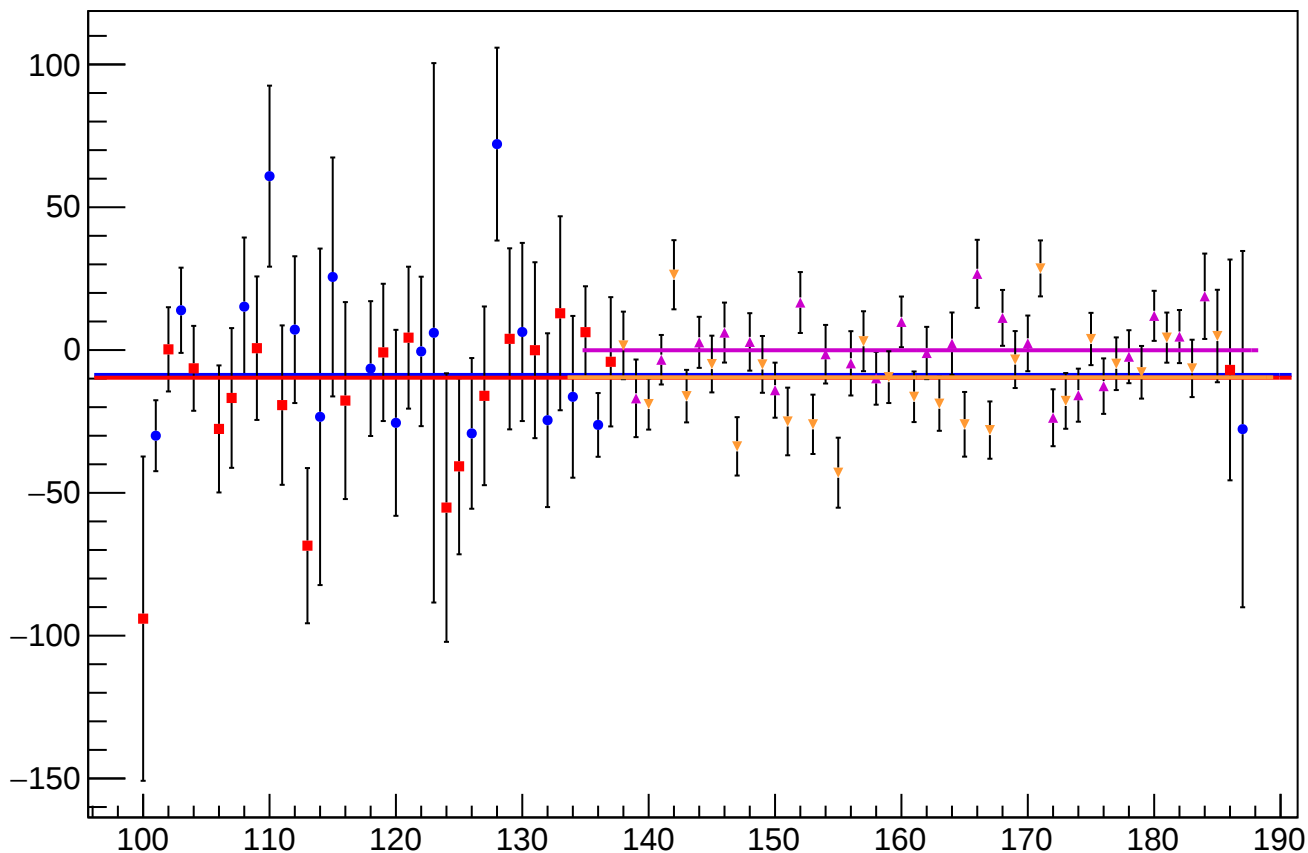
Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

+ sign 6585.937+/-0.942 χ^2/NDF : 1237549.7/42

All: 6584.821+/-0.670 χ^2/NDF : 2991658.2/85

- sign 6583.679+/-0.953 χ^2/NDF : 1754105.7/42

diff_bpm1X_mean vs Slug



Right In: -8.714 ± 5.398 χ^2/NDF : 22.0/17

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -9.687 ± 5.465 χ^2/NDF : 12.7/19

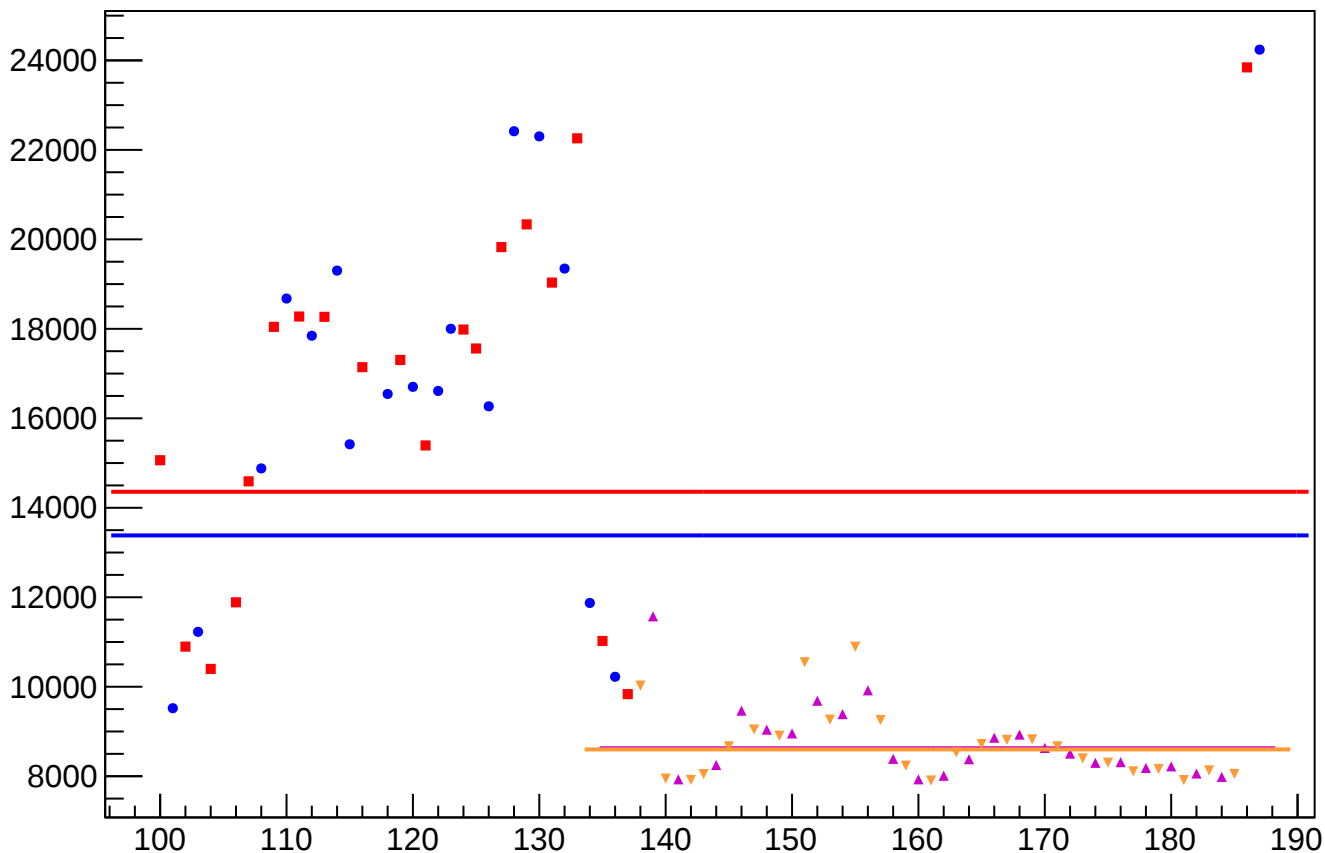
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.452 ± 1.885 χ^2/NDF : 81.6/42

All: -5.479 ± 1.351 χ^2/NDF : 135.9/85

- sign -1.281 ± 1.938 χ^2/NDF : 45.2/42

diff_bpm1X_rms vs Slug



Right In: 13382.362 $\pm$ 3.817 χ^2 /NDF: 1109938.3/17

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 14358.314 $\pm$ 3.865 χ^2 /NDF: 1054148.5/19

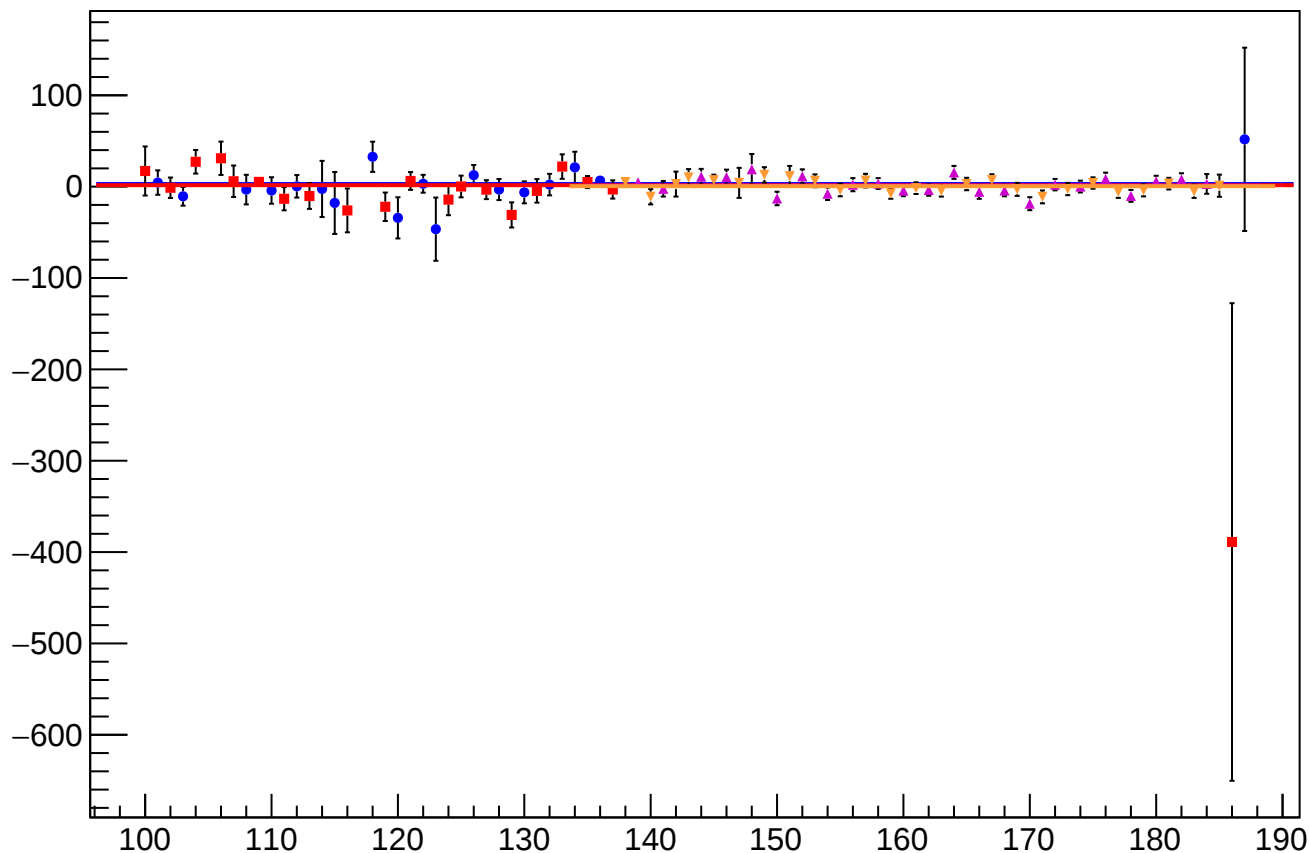
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 9182.277 $\pm$ 1.333 χ^2 /NDF: 2737804.5/42

All: 9261.923 $\pm$ 0.956 χ^2 /NDF: 5960536.0/85

- sign 9346.104 $\pm$ 1.370 χ^2 /NDF: 3215388.0/42

diff_bpm1Y_mean vs Slug



Right In: 2.857 $\pm$ 2.761 χ^2 /NDF: 14.2/17

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 1.609 $\pm$ 2.447 χ^2 /NDF: 25.5/19

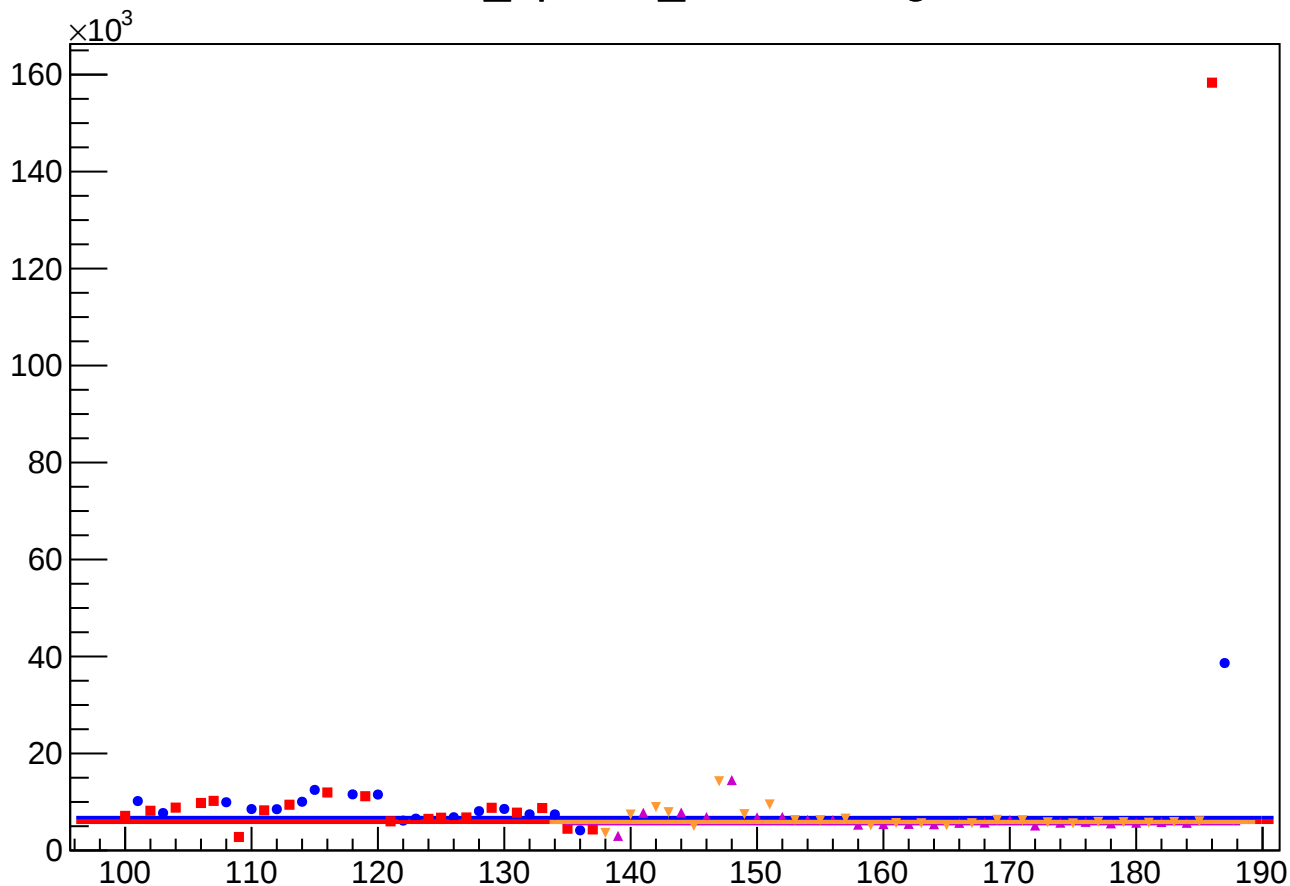
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.014 $\pm$ 1.261 χ^2 /NDF: 34.2/42

All: 1.104 $\pm$ 0.874 χ^2 /NDF: 92.3/85

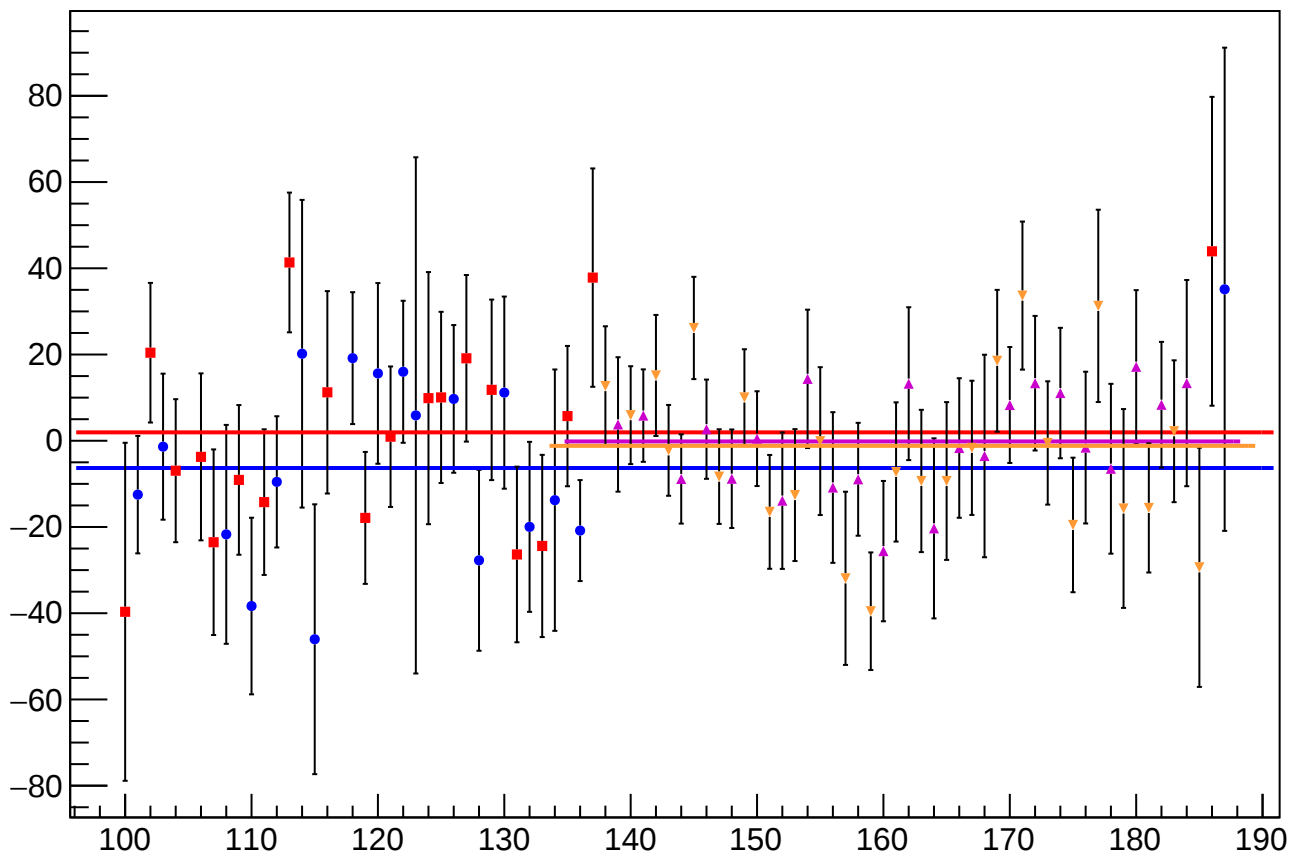
- sign 1.187 $\pm$ 1.212 χ^2 /NDF: 58.1/42

diff_bpm1Y_rms vs Slug



Right In: 6726.971 ± 1.953	$\chi^2/\text{NDF}: 1592114.3/17$	+ sign 6041.306 ± 0.892	$\chi^2/\text{NDF}: 3437964.7/42$
Left Out: 5860.605 ± 1.002	$\chi^2/\text{NDF}: 1690049.2/24$	All: 5834.132 ± 0.618	$\chi^2/\text{NDF}: 8688438.1/85$
Right Out: 5862.170 ± 1.730	$\chi^2/\text{NDF}: 2962525.5/19$	- sign 5642.699 ± 0.857	$\chi^2/\text{NDF}: 5146629.8/42$
Left In: 5571.330 ± 0.987	$\chi^2/\text{NDF}: 2162788.3/22$		

diff_bpm11X_mean vs Slug



Right In: -6.318 $\pm$ 4.544 χ^2 /NDF: 16.2/17

Left Out: -1.182 $\pm$ 2.939 χ^2 /NDF: 33.7/24

Right Out: 1.948 $\pm$ 4.350 χ^2 /NDF: 21.5/19

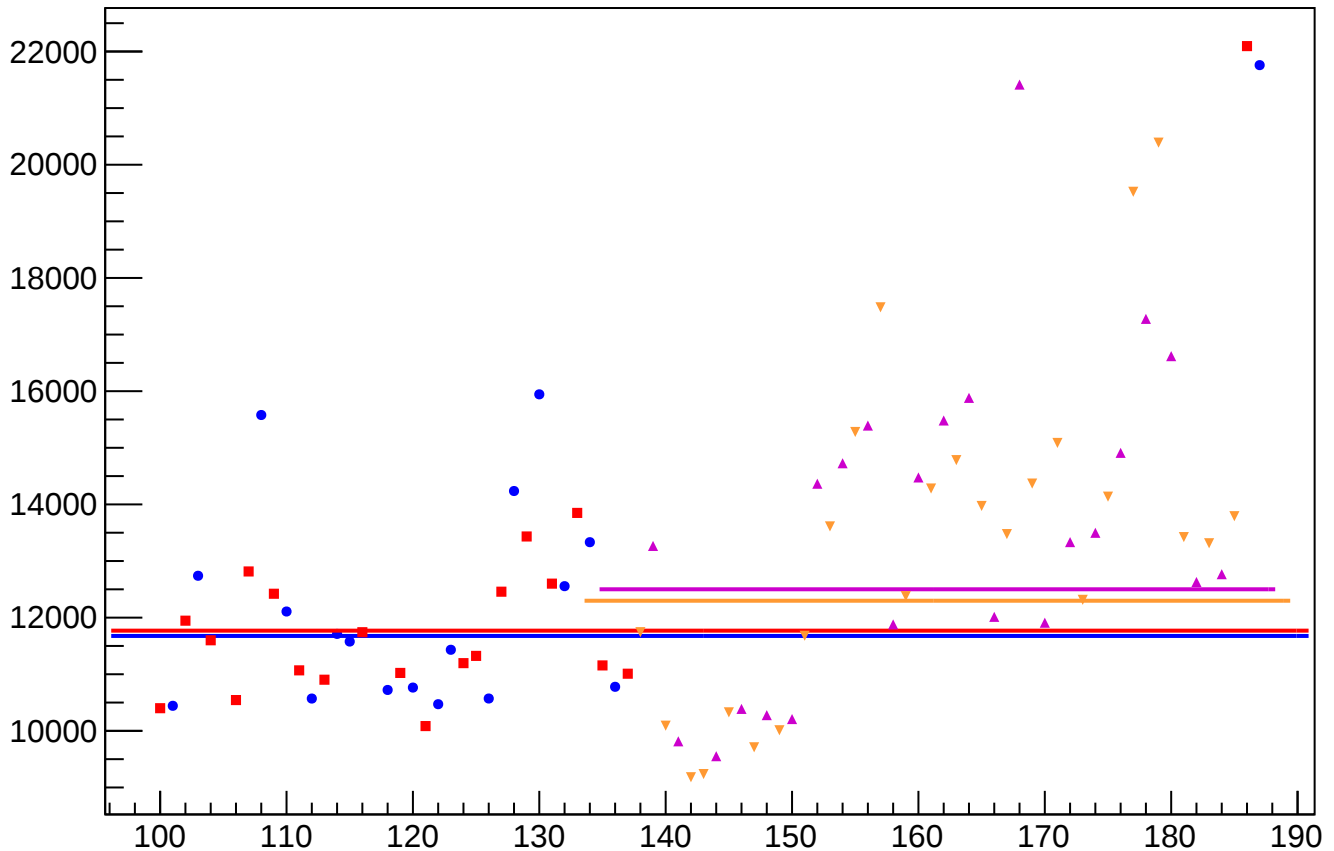
Left In: -0.157 $\pm$ 3.058 χ^2 /NDF: 11.5/22

+ sign -2.697 $\pm$ 2.468 χ^2 /NDF: 50.8/42

All: -1.101 $\pm$ 1.757 χ^2 /NDF: 84.8/85

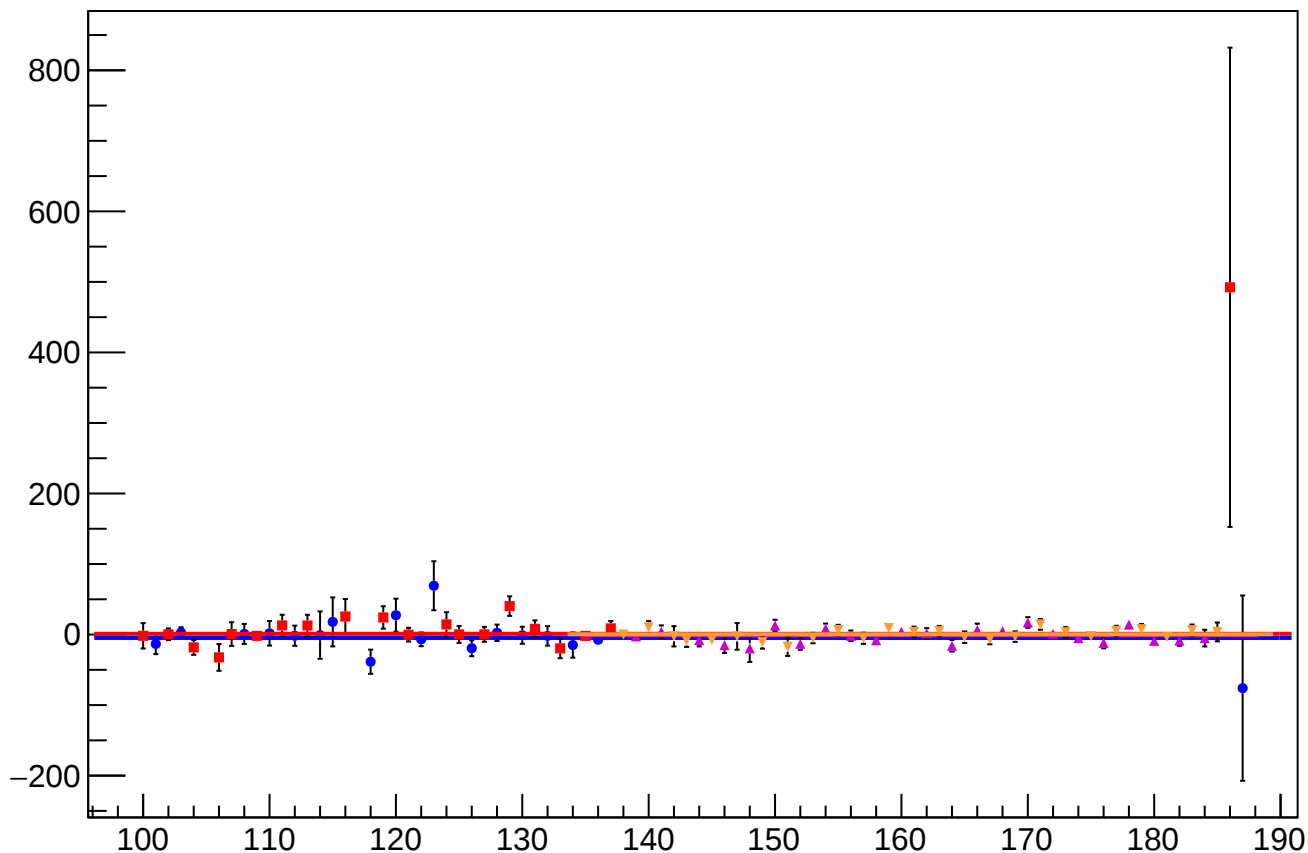
- sign 0.539 $\pm$ 2.502 χ^2 /NDF: 33.1/42

diff_bpm11X_rms vs Slug



Right In: 11676.594+/-3.213	χ^2/NDF : 303322.5/17	+ sign 12115.226+/-1.745	χ^2/NDF : 1835776.0/42
Left Out: 12298.676+/-2.078	χ^2/NDF : 1506026.8/24	All: 12186.197+/-1.242	χ^2/NDF : 3499089.7/8
Right Out: 11770.150+/-3.076	χ^2/NDF : 264308.1/19	- sign 12259.134+/-1.769	χ^2/NDF : 1659959.6/42
Left In: 12500.795+/-2.162	χ^2/NDF : 1357889.1/22		

diff_bpm11Y_mean vs Slug



Right In: -4.808 ± 2.787 χ^2/NDF : 15.6/17

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 1.057 ± 2.434 χ^2/NDF : 25.1/19

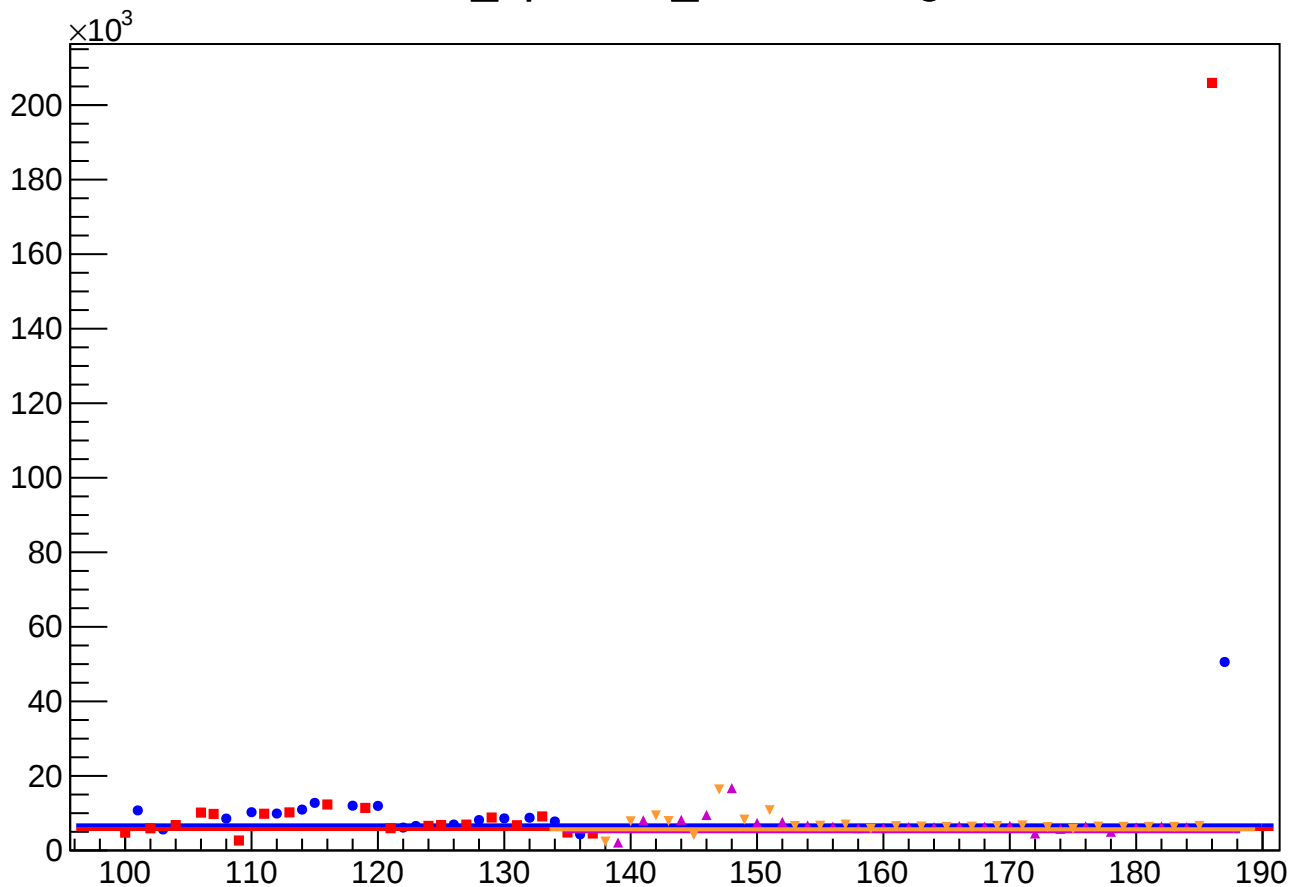
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.727 ± 1.275 χ^2/NDF : 37.4/42

All: -0.675 ± 0.872 χ^2/NDF : 96.8/85

- sign -0.629 ± 1.195 χ^2/NDF : 59.3/42

diff_bpm11Y_rms vs Slug



Right In: 6731.523+/-1.971 χ^2/NDF : 1669210.4/17

Left Out: 5659.441+/-1.014 χ^2/NDF : 4128583.6/24

Right Out: 5759.850+/-1.721 χ^2/NDF : 2861902.2/19

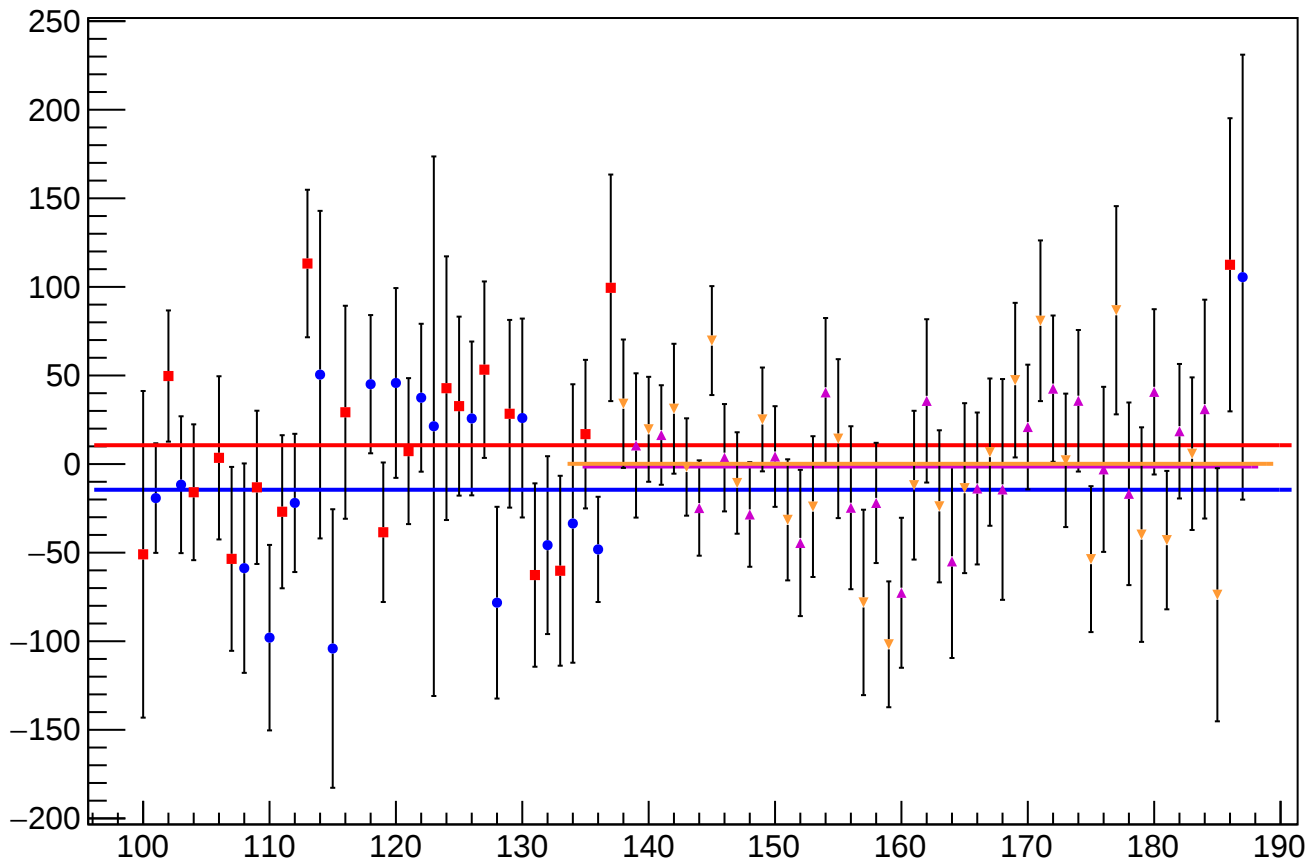
Left In: 5137.772+/-0.970 χ^2/NDF : 5495609.7/22

+ sign 5883.743+/-0.901 χ^2/NDF : 6031869.0/42

All: 5566.456+/-0.616 χ^2/NDF : 14721360.6/8

- sign 5287.713+/-0.845 χ^2/NDF : 8456704.0/42

diff_bpm12X_mean vs Slug



Right In: -14.499 ± 11.272 χ^2/NDF : 15.6/17

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 10.637 ± 10.820 χ^2/NDF : 20.8/19

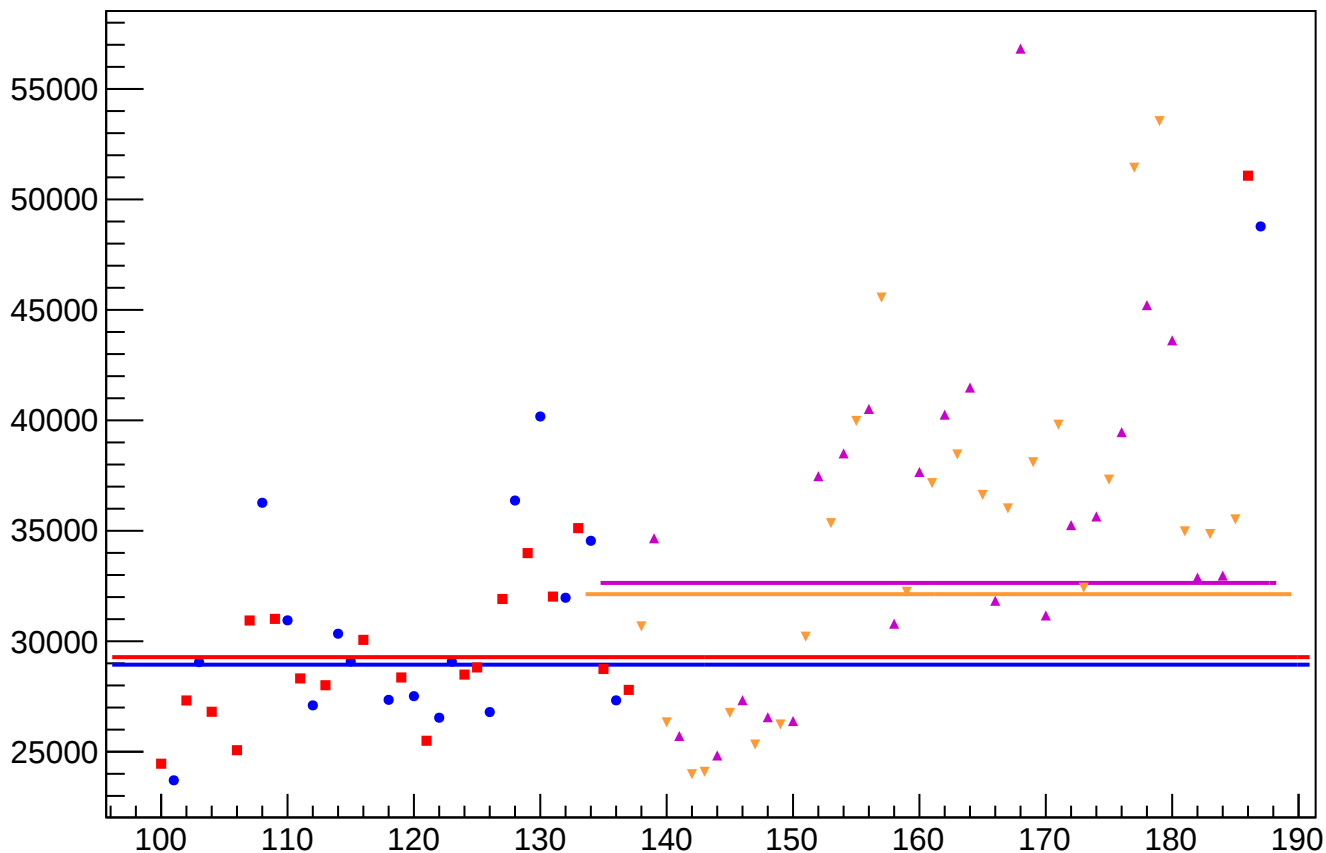
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -4.502 ± 6.349 χ^2/NDF : 48.0/42

All: -0.864 ± 4.517 χ^2/NDF : 83.6/85

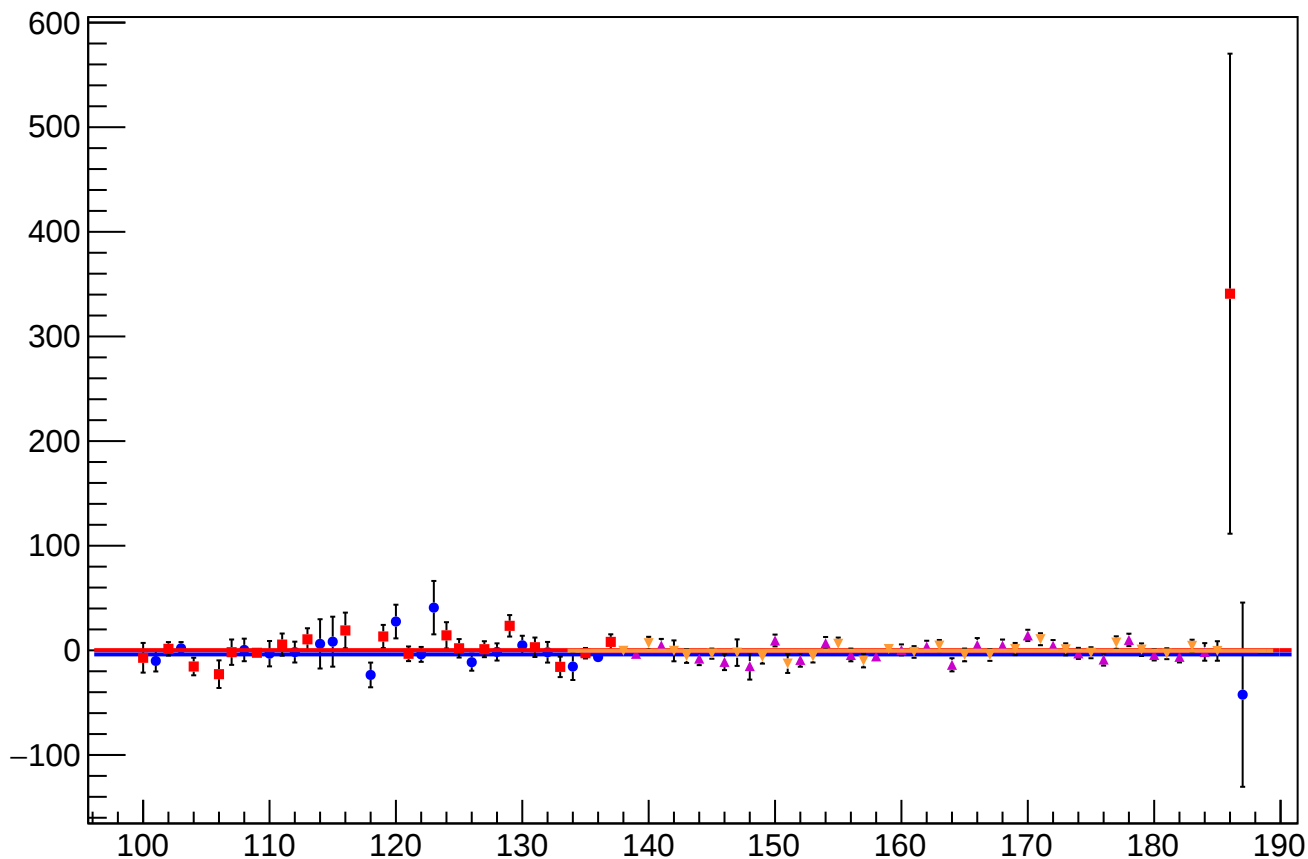
- sign 2.865 ± 6.428 χ^2/NDF : 34.9/42

diff_bpm12X_rms vs Slug



Right In: 28940.354 ± 7.970 χ^2/NDF : 303289.6/17
 Left Out: 32132.314 ± 5.433 χ^2/NDF : 1540079.4/24
 Right Out: 29281.634 ± 7.651 χ^2/NDF : 253879.8/19
 Left In: 32641.162 ± 5.650 χ^2/NDF : 1402162.4/22
 + sign 31119.698 ± 4.489 χ^2/NDF : 1952875.6/42
 All: 31285.580 ± 3.194 χ^2/NDF : 3736450.6/68
 - sign 31455.616 ± 4.545 χ^2/NDF : 1780809.9/42

diff_bpm12Y_mean vs Slug



Right In: -3.881 ± 2.013 χ^2/NDF : 15.1/17

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 0.209 ± 1.897 χ^2/NDF : 24.1/19

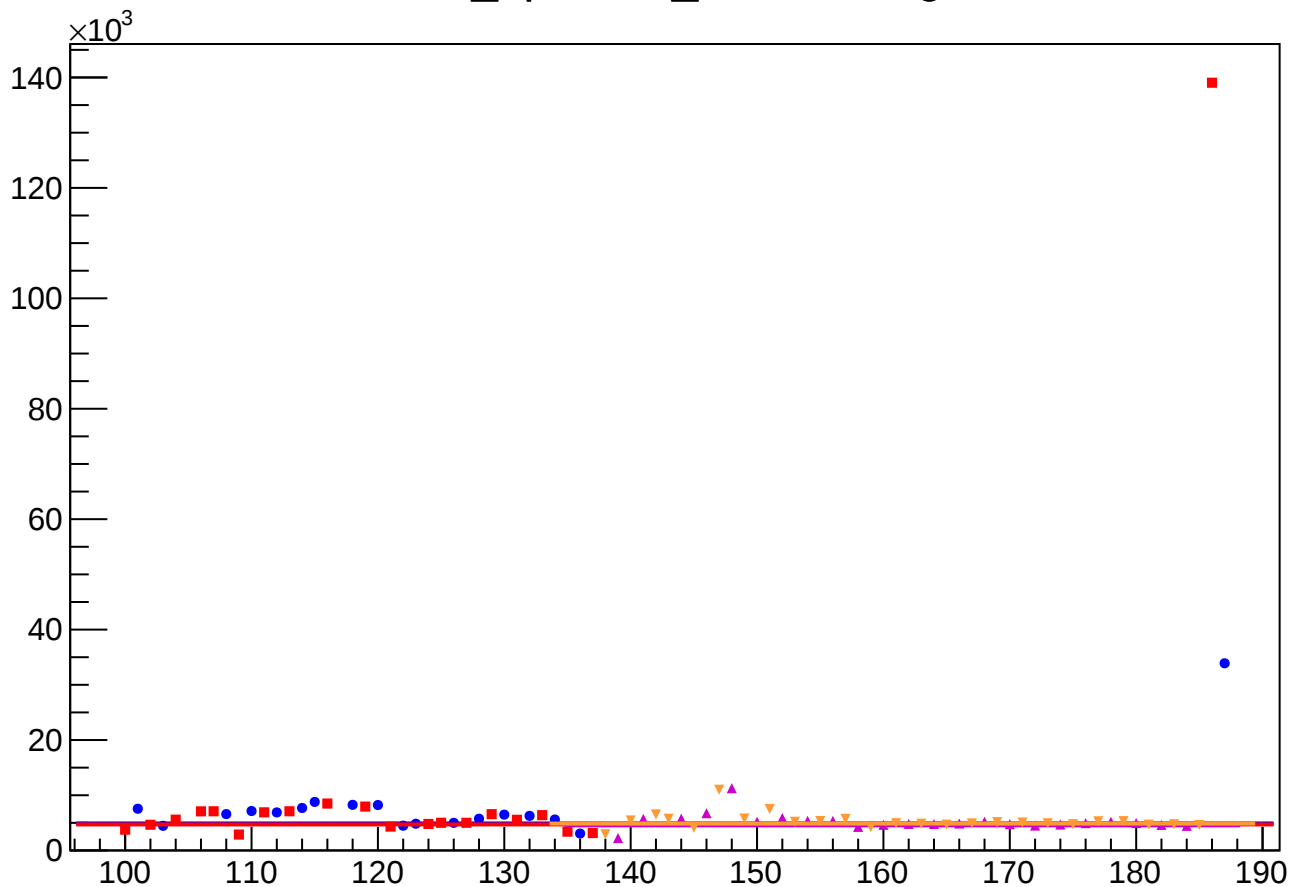
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -1.215 ± 1.013 χ^2/NDF : 35.1/42

All: -0.902 ± 0.704 χ^2/NDF : 95.8/85

- sign -0.611 ± 0.978 χ^2/NDF : 60.5/42

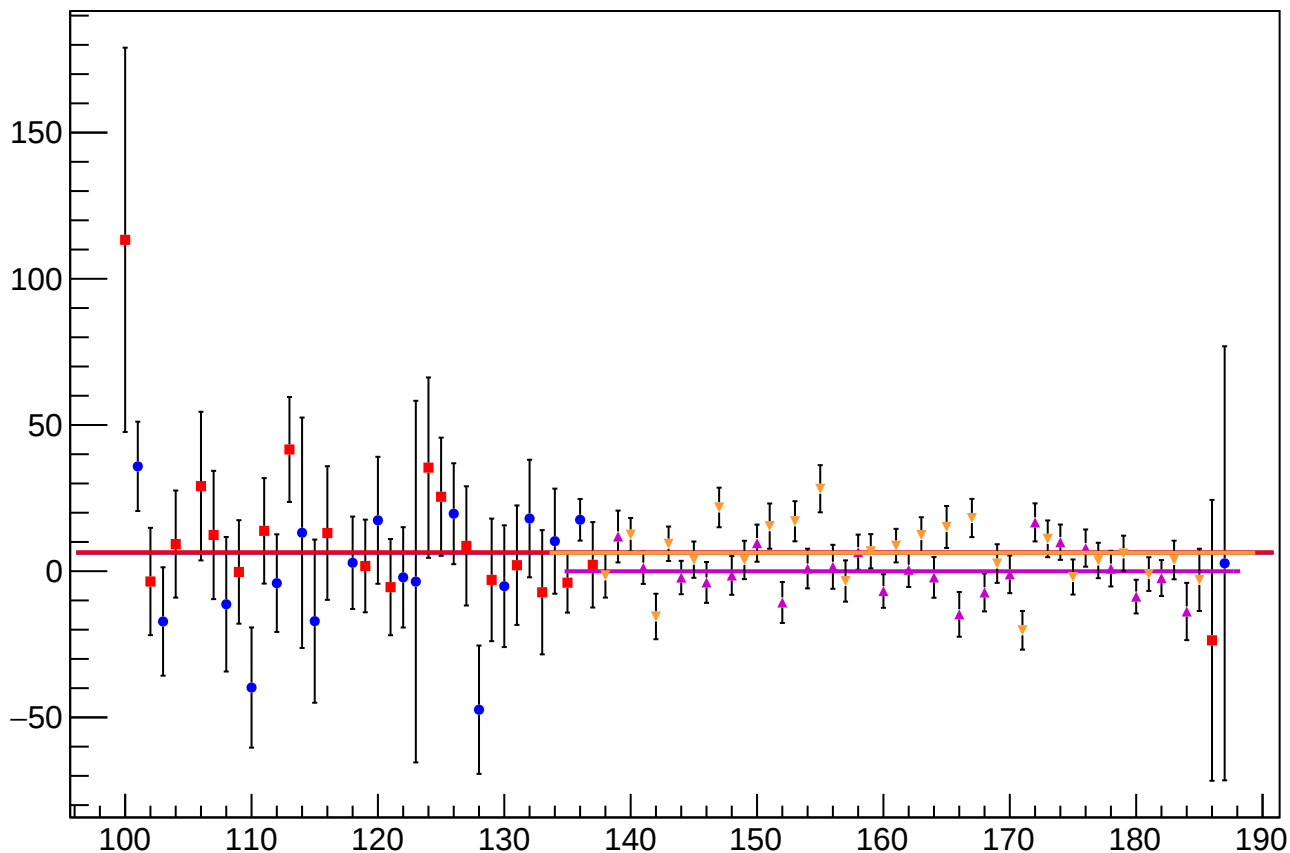
diff_bpm12Y_rms vs Slug



Right In: 4887.520 ± 1.424 χ^2/NDF : 1621900.7/17
 Left Out: 4868.567 ± 0.829 χ^2/NDF : 1511151.0/24
 Right Out: 4712.851 ± 1.341 χ^2/NDF : 2001540.4/19
 Left In: 4544.337 ± 0.808 χ^2/NDF : 2634314.4/22

+ sign 4873.362 ± 0.716 χ^2/NDF : 3133184.1/42
 All: 4726.392 ± 0.498 χ^2/NDF : 7862078.3/85
 - sign 4589.182 ± 0.692 χ^2/NDF : 4647440.3/42

diff_bpm16X_mean vs Slug



Right In: 6.337 ± 4.082 $\chi^2/\text{NDF}: 22.4/17$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 6.435 ± 4.216 $\chi^2/\text{NDF}: 12.6/19$

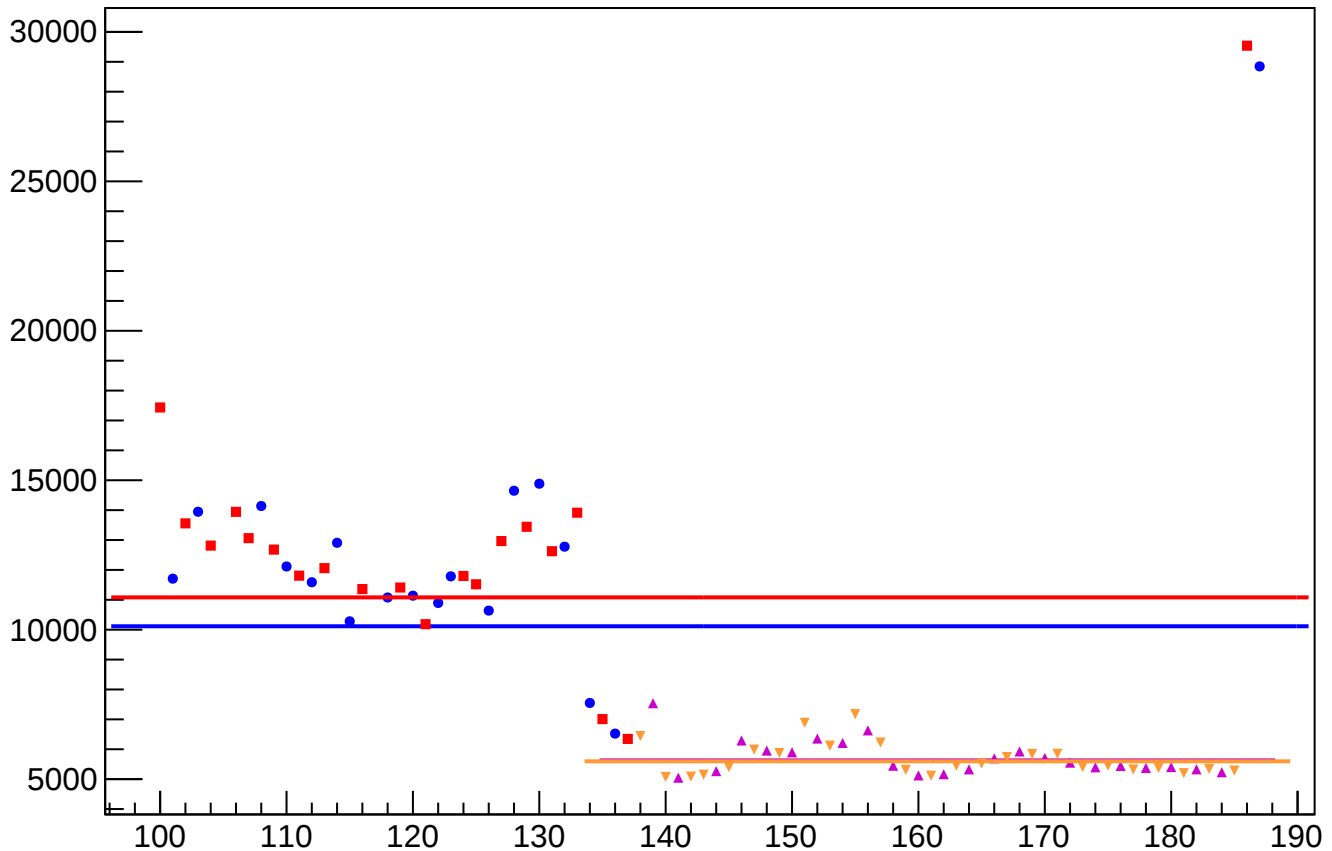
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 6.300 ± 1.248 $\chi^2/\text{NDF}: 79.0/42$

All: 3.533 ± 0.896 $\chi^2/\text{NDF}: 133.8/85$

- sign 0.583 ± 1.288 $\chi^2/\text{NDF}: 44.7/42$

diff_bpm16X_rms vs Slug



Right In: 10114.570 $\pm$ 2.887 χ^2 /NDF: 1135419.7/17

Left Out: 5596.370 $\pm$ 0.926 χ^2 /NDF:283998.1/24

Right Out: 11081.340 $\pm$ 2.981 χ^2 /NDF: 1061769.5/19

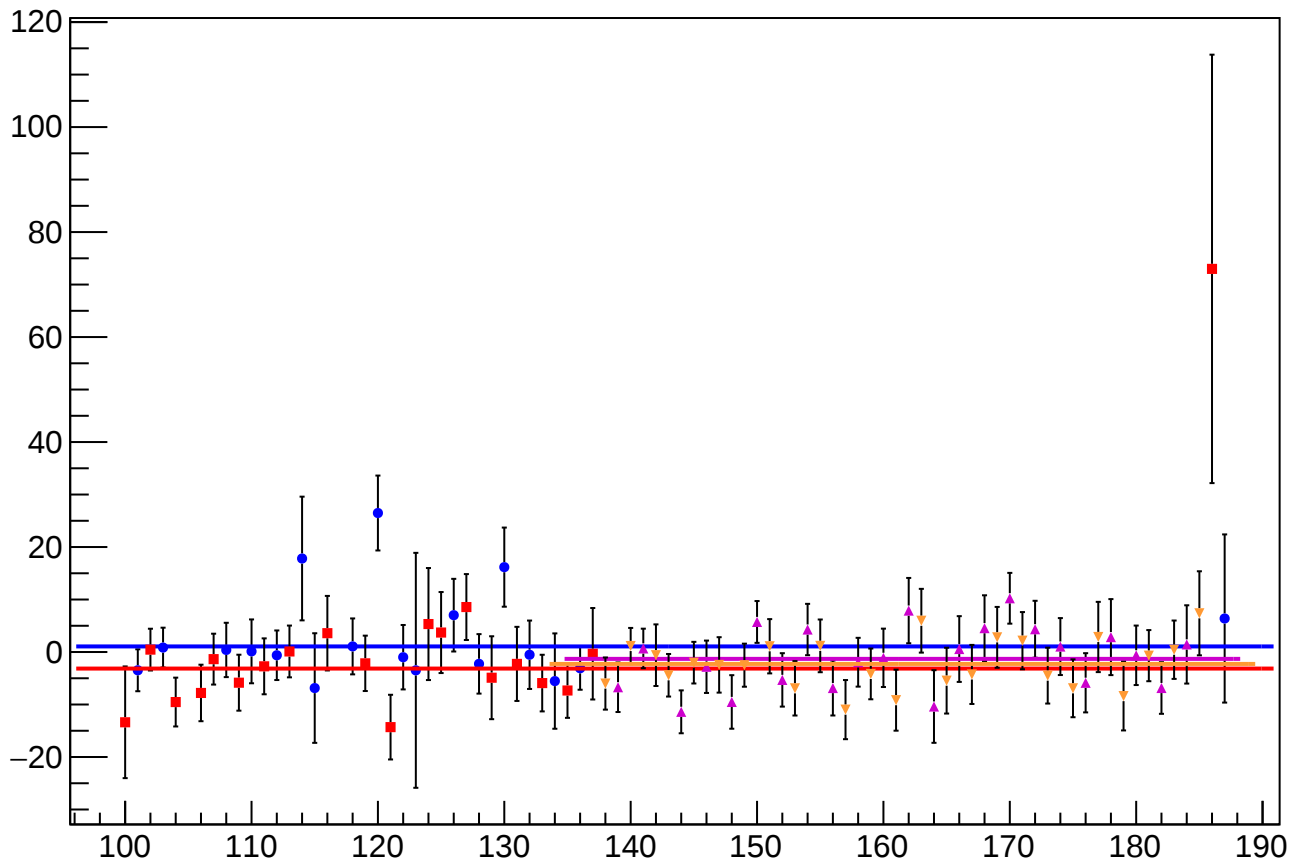
Left In: 5627.283 $\pm$ 0.957 χ^2 /NDF:279318.7/22

+ sign 6018.302 $\pm$ 0.882 χ^2 /NDF: 3640548.9/42

All: 6075.551 $\pm$ 0.634 χ^2 /NDF: 8024915.1/85

- sign 6136.610 $\pm$ 0.911 χ^2 /NDF: 4375662.1/42

diff_bpm16Y_mean vs Slug



Right In: 1.065 ± 1.400 χ^2/NDF : 23.7/17

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -3.153 ± 1.335 χ^2/NDF : 18.9/19

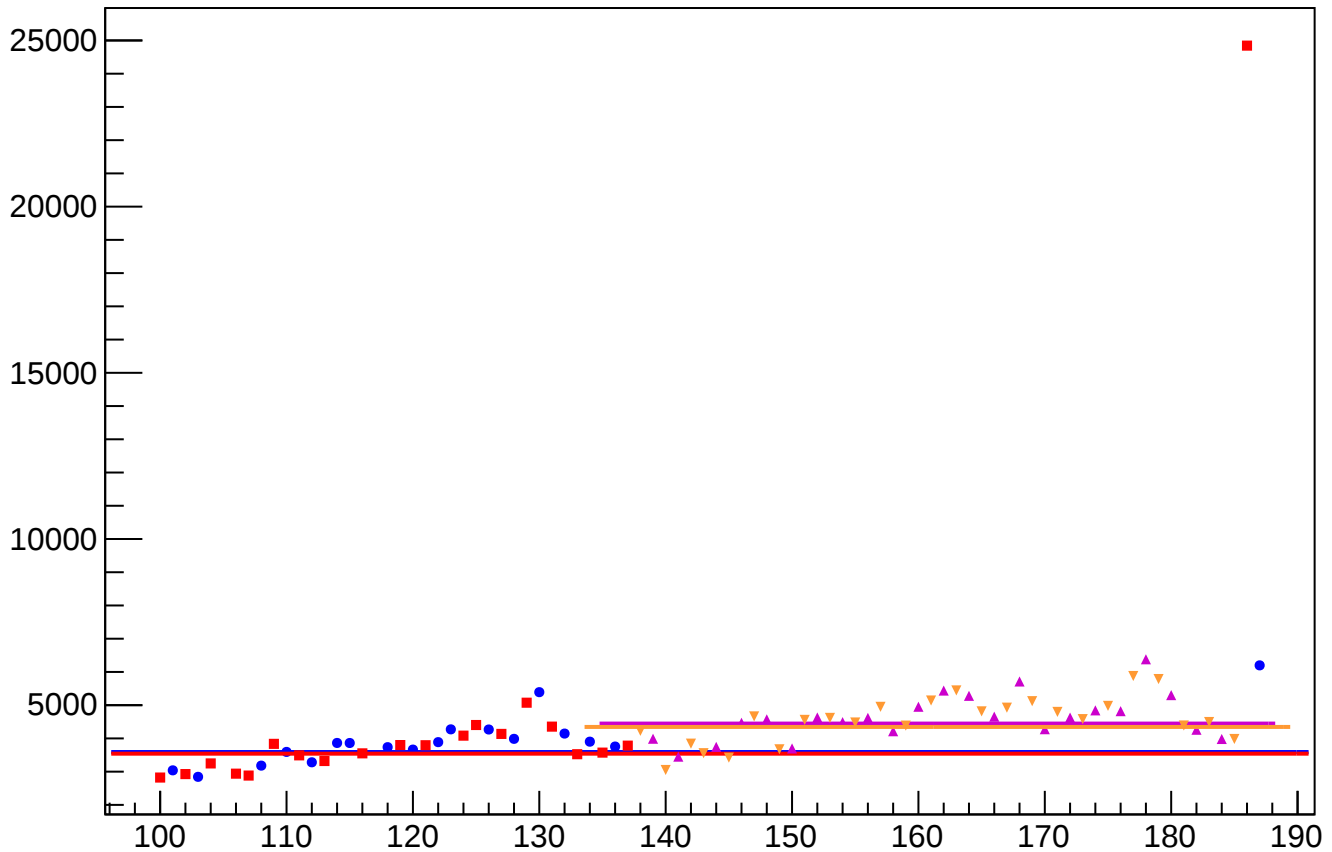
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.098 ± 0.829 χ^2/NDF : 42.8/42

All: -1.561 ± 0.590 χ^2/NDF : 94.3/85

- sign -2.034 ± 0.838 χ^2/NDF : 50.9/42

diff_bpm16Y_rms vs Slug



Right In: 3590.265+/-0.990 χ^2/NDF : 363738.3/17

Left Out: 4345.381+/-0.728 χ^2/NDF : 1000636.1/24

Right Out: 3541.042+/-0.944 χ^2/NDF : 841965.8/19

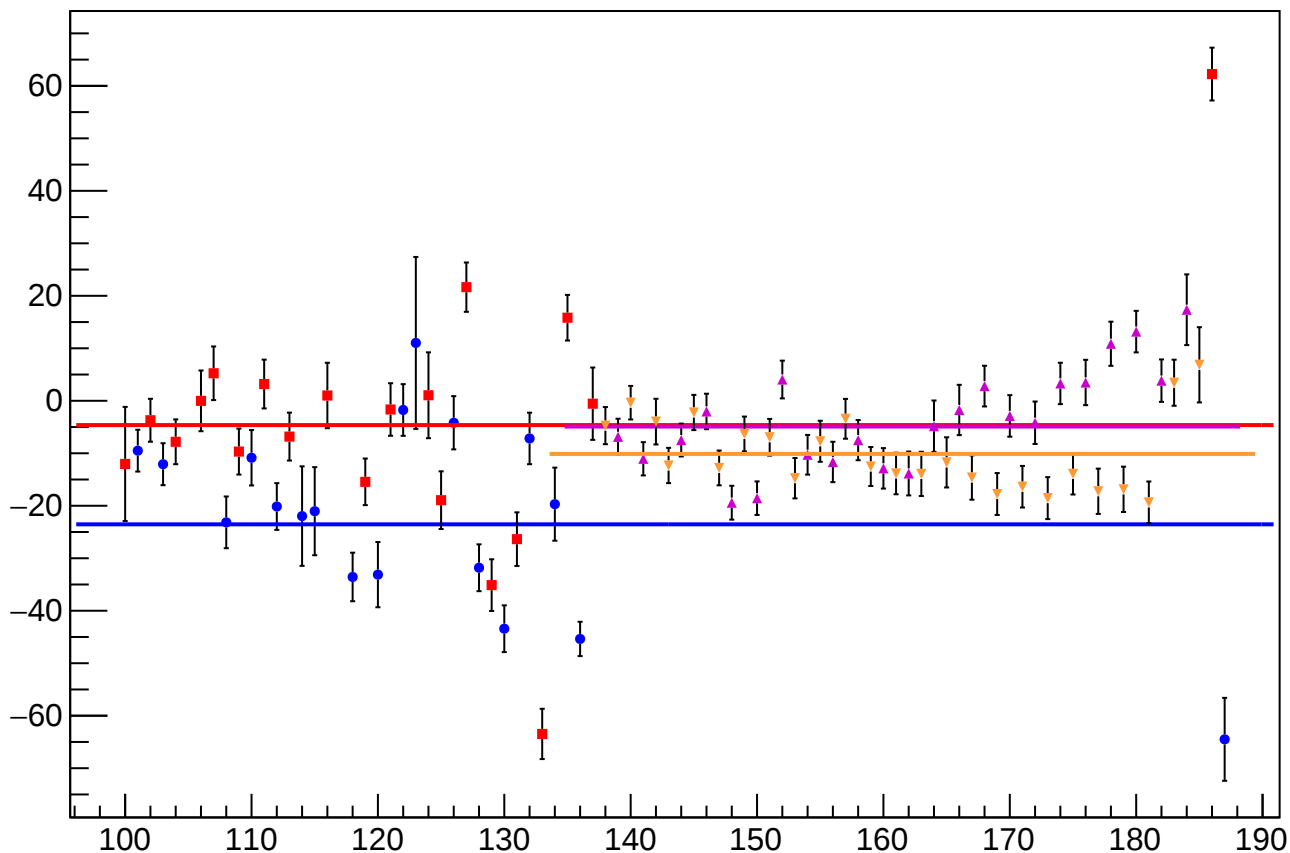
Left In: 4446.181+/-0.762 χ^2/NDF : 702797.6/22

+ sign 4080.365+/-0.586 χ^2/NDF : 1742047.6/42

All: 4084.793+/-0.417 χ^2/NDF : 3843822.7/85

- sign 4089.316+/-0.593 χ^2/NDF : 2101659.8/42

diff_bpm0l01X_mean vs Slug



Right In: -23.537 ± 1.189 $\chi^2/\text{NDF}: 179.1/17$

Left Out: -10.125 ± 0.775 $\chi^2/\text{NDF}: 67.9/24$

Right Out: -4.629 ± 1.129 $\chi^2/\text{NDF}: 461.9/19$

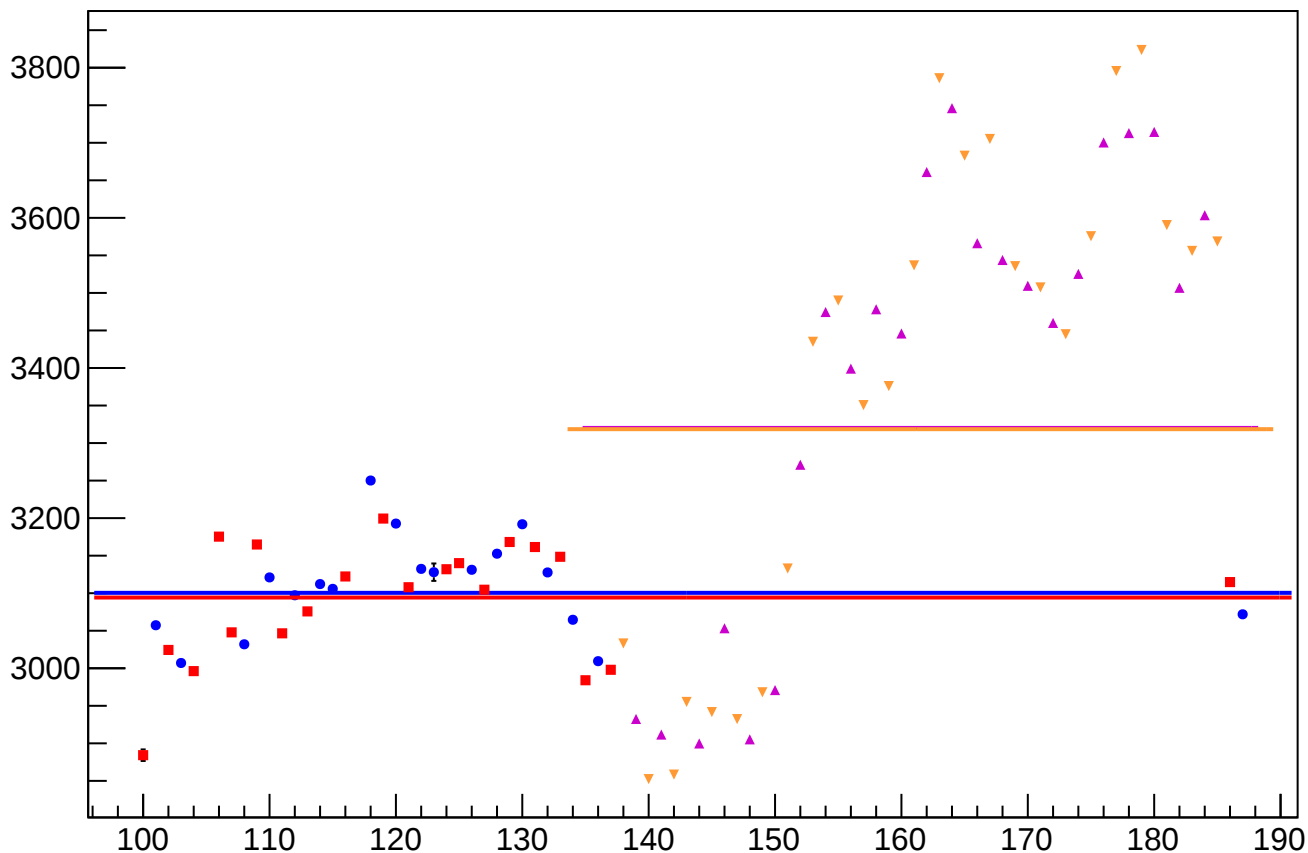
Left In: -4.911 ± 0.797 $\chi^2/\text{NDF}: 127.9/22$

+ sign -14.127 ± 0.650 $\chi^2/\text{NDF}: 336.3/42$

All: -9.485 ± 0.460 $\chi^2/\text{NDF}: 1028.7/85$

- sign -4.817 ± 0.651 $\chi^2/\text{NDF}: 589.9/42$

diff_bpm0l01X_rms vs Slug



Right In: 3100.492+/-0.841 χ^2/NDF : 7252.3/17

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3094.244+/-0.799 χ^2/NDF : 7840.3/19

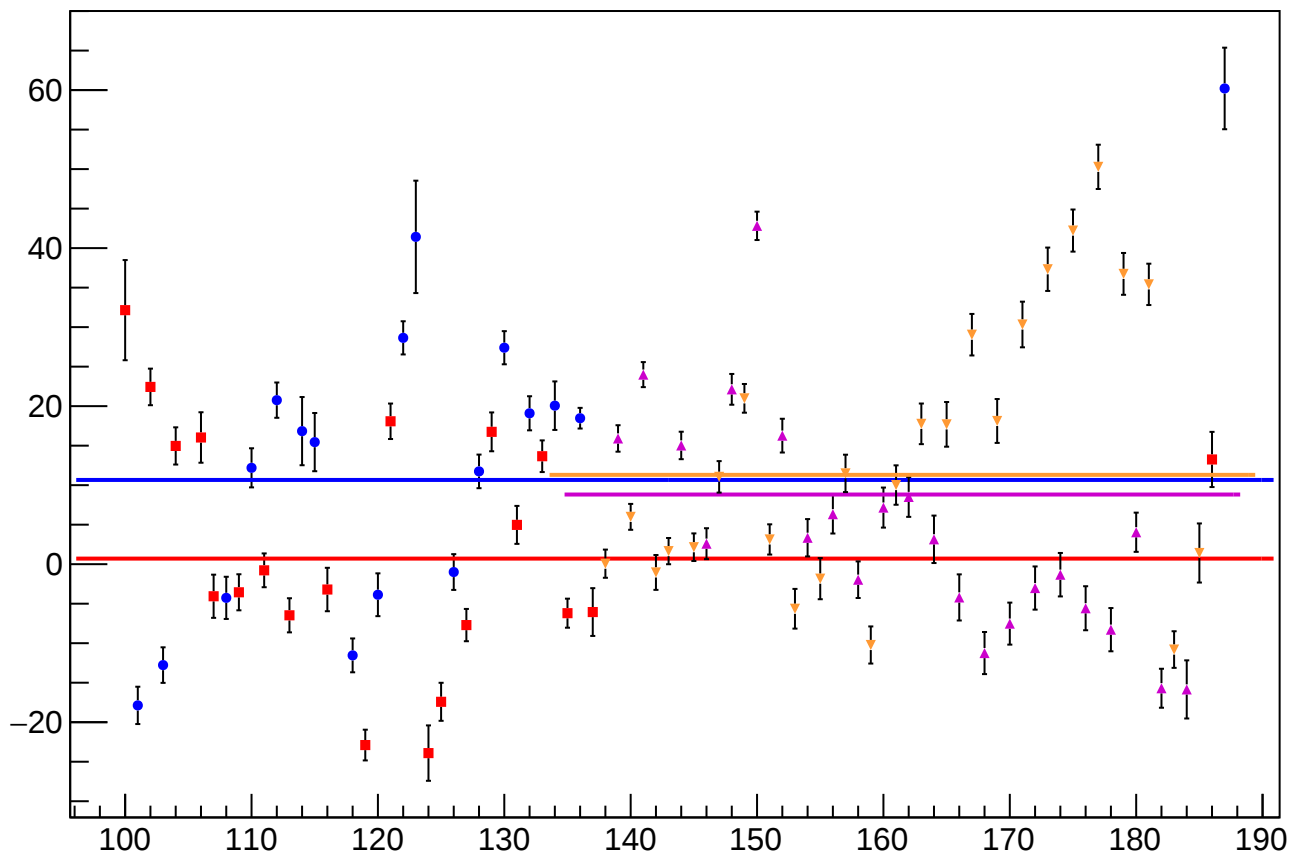
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3253.440+/-0.459 χ^2/NDF : 392125.9/42

All: 3249.250+/-0.325 χ^2/NDF : 741195.2/85

- sign 3245.038+/-0.460 χ^2/NDF : 348902.5/42

diff_bpm0l01Y_mean vs Slug



Right In: 10.660 $\pm$ 0.559 χ^2 /NDF: 781.4/17

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 0.706 $\pm$ 0.541 χ^2 /NDF: 642.2/19

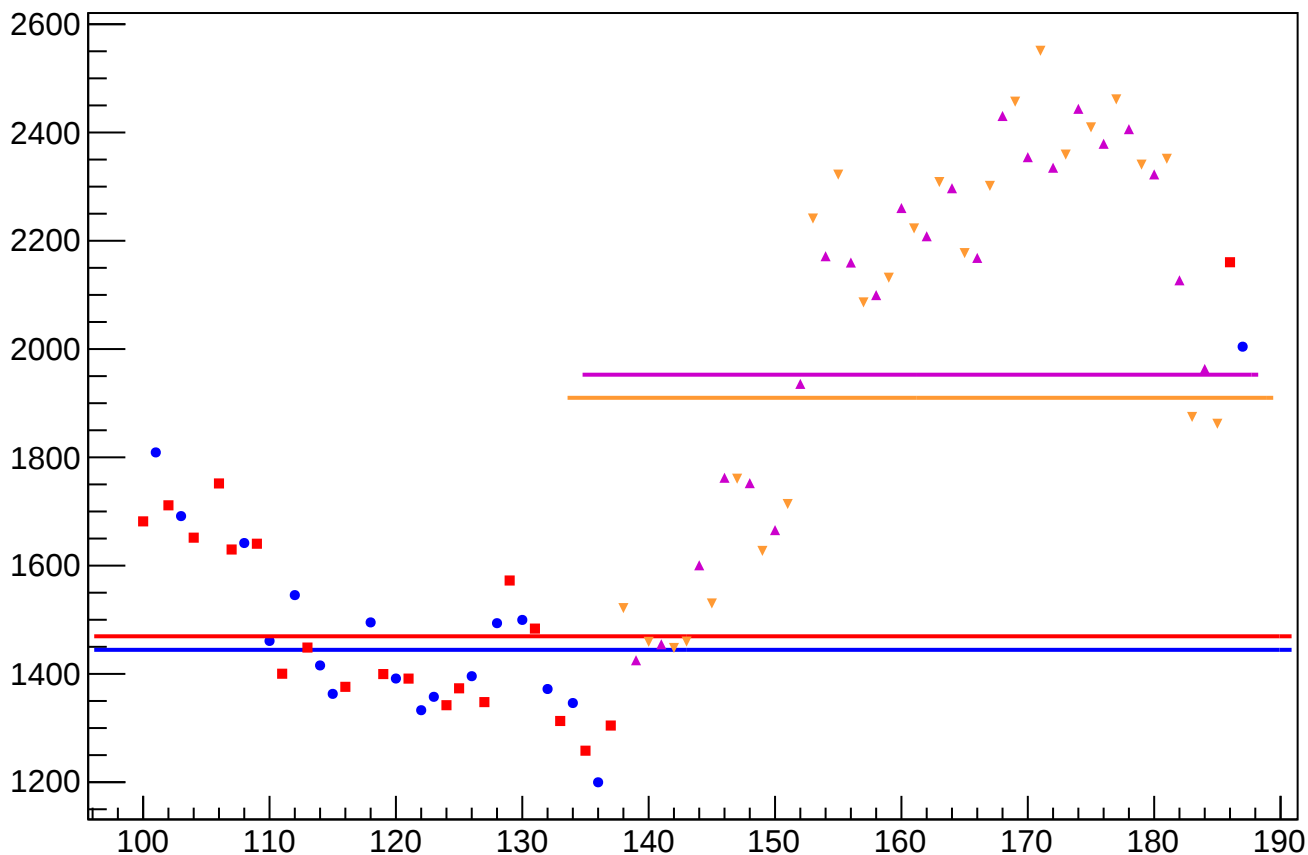
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 11.049 $\pm$ 0.352 χ^2 /NDF: 1926.5/42

All: 8.205 $\pm$ 0.251 χ^2 /NDF: 3769.5/85

- sign 5.284 $\pm$ 0.357 χ^2 /NDF: 1711.1/42

diff_bpm0l01Y_rms vs Slug



Right In: 1444.453+/-0.396 χ^2/NDF : 197010.1/17

Left Out: 1909.963+/-0.321 χ^2/NDF :1399467.7/24

Right Out: 1469.470+/-0.383 χ^2/NDF : 218691.8/19

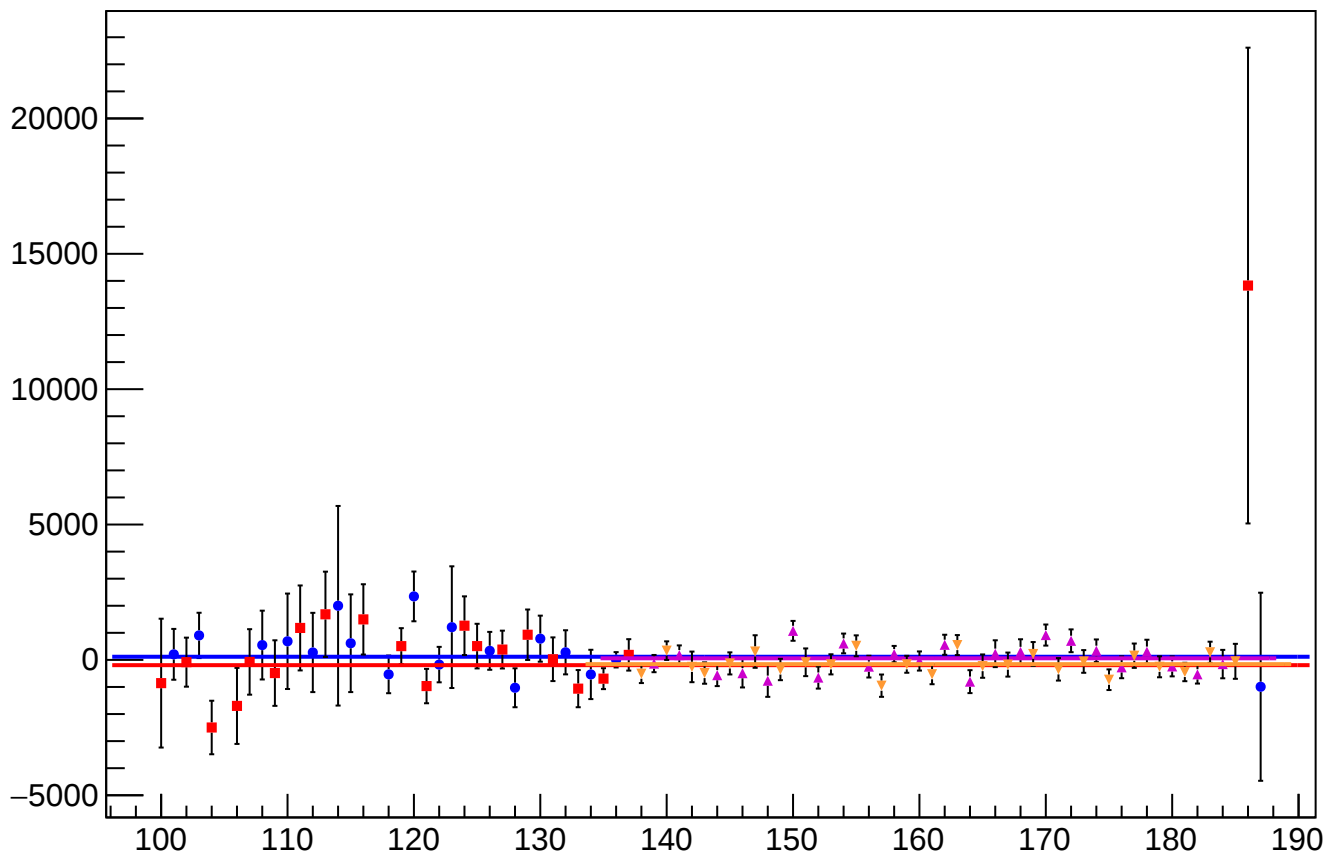
Left In: 1952.637+/-0.336 χ^2/NDF :1065333.8/22

+ sign 1725.161+/-0.249 χ^2/NDF : 2431778.1/42

All: 1733.597+/-0.177 χ^2/NDF : 4617751.8/85

- sign 1742.263+/-0.253 χ^2/NDF : 2183650.6/42

asym_sam1_mean vs Slug



Right In: 116.367 ± 180.358 χ^2/NDF : 12.7/17

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -194.441 ± 184.748 χ^2/NDF : 24.2/19

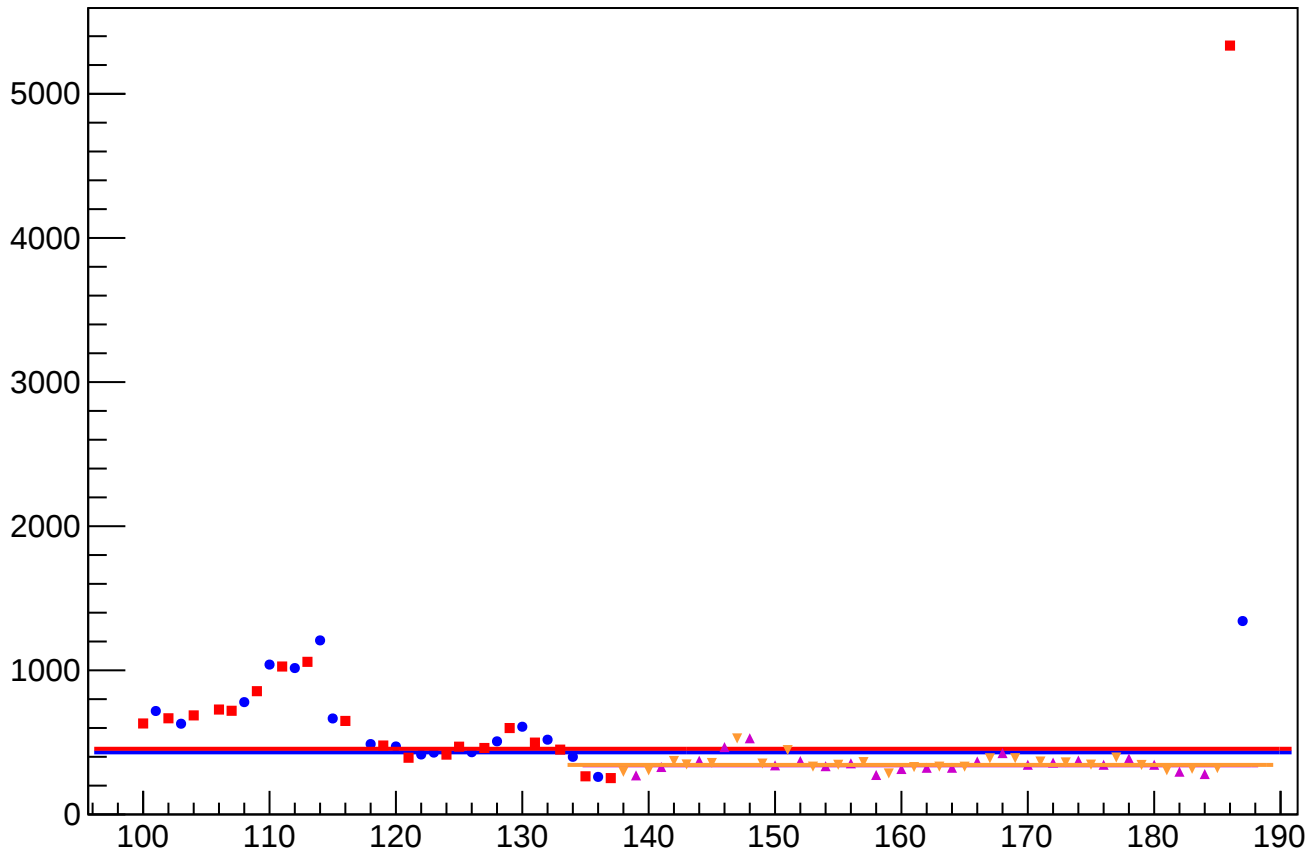
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -111.511 ± 73.735 χ^2/NDF : 36.7/42

All: -48.814 ± 52.716 χ^2/NDF : 102.5/85

- sign 16.736 ± 75.395 χ^2/NDF : 64.3/42

asym_sam1_rms vs Slug



Right In: 430.888 ± 0.128 χ^2/NDF : 2144955.6/17

Left Out: 343.807 ± 0.057 χ^2/NDF : 539431.0/24

+ sign 358.361 ± 0.052 χ^2/NDF : 3072699.6/42

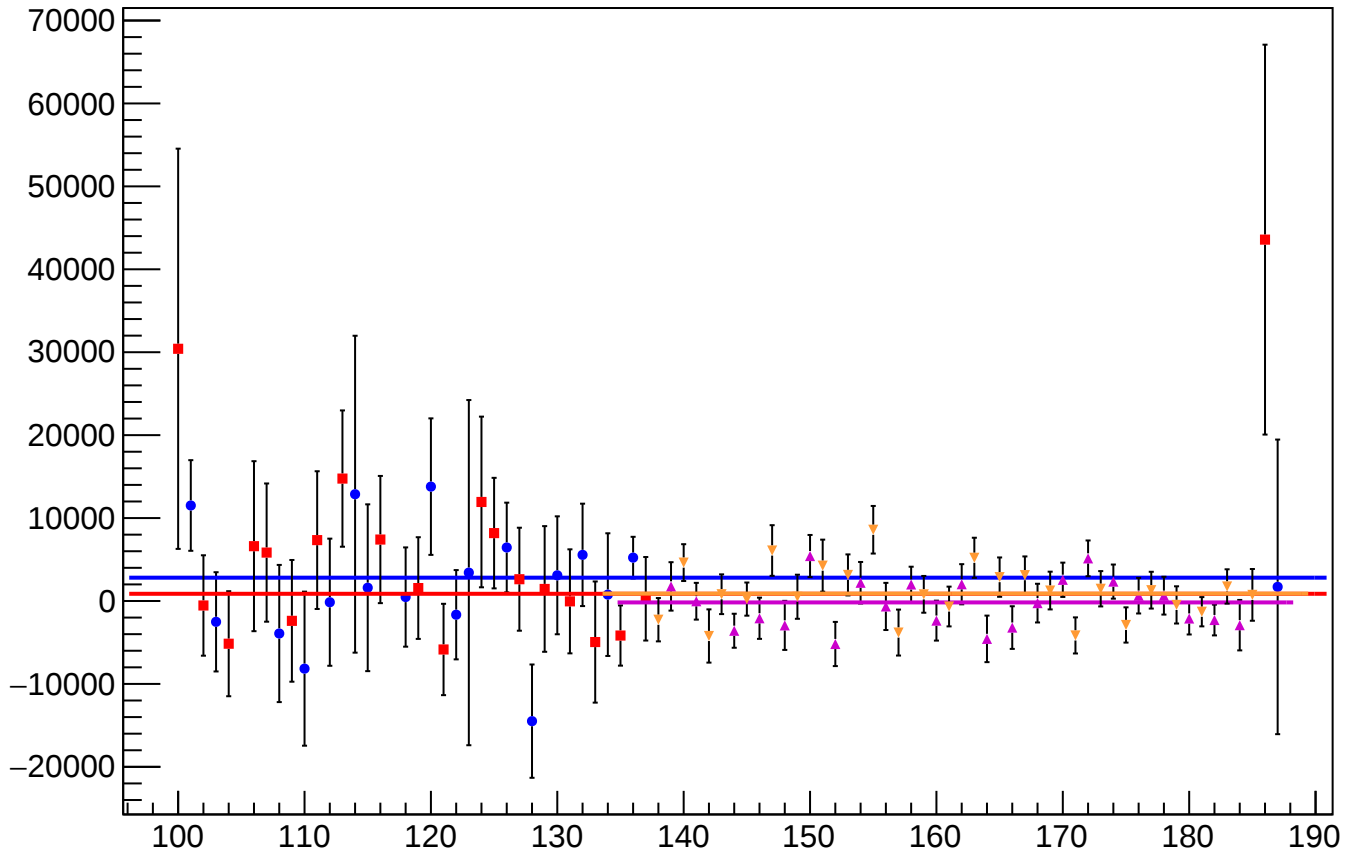
Right Out: 455.736 ± 0.131 χ^2/NDF : 2649268.8/19

All: 359.165 ± 0.037 χ^2/NDF : 7091428.9/85

- sign 360.005 ± 0.053 χ^2/NDF : 4018243.5/42

Left In: 340.876 ± 0.058 χ^2/NDF : 724672.0/22

asym_sam2_mean vs Slug



Right In: 2812.238 $\pm$ 1445.976 χ^2/NDF : 16.5/17

Left Out: 890.395 $\pm$ 473.262 χ^2/NDF : 38.0/24

Right Out: 868.604 $\pm$ 1509.500 χ^2/NDF : 17.4/19

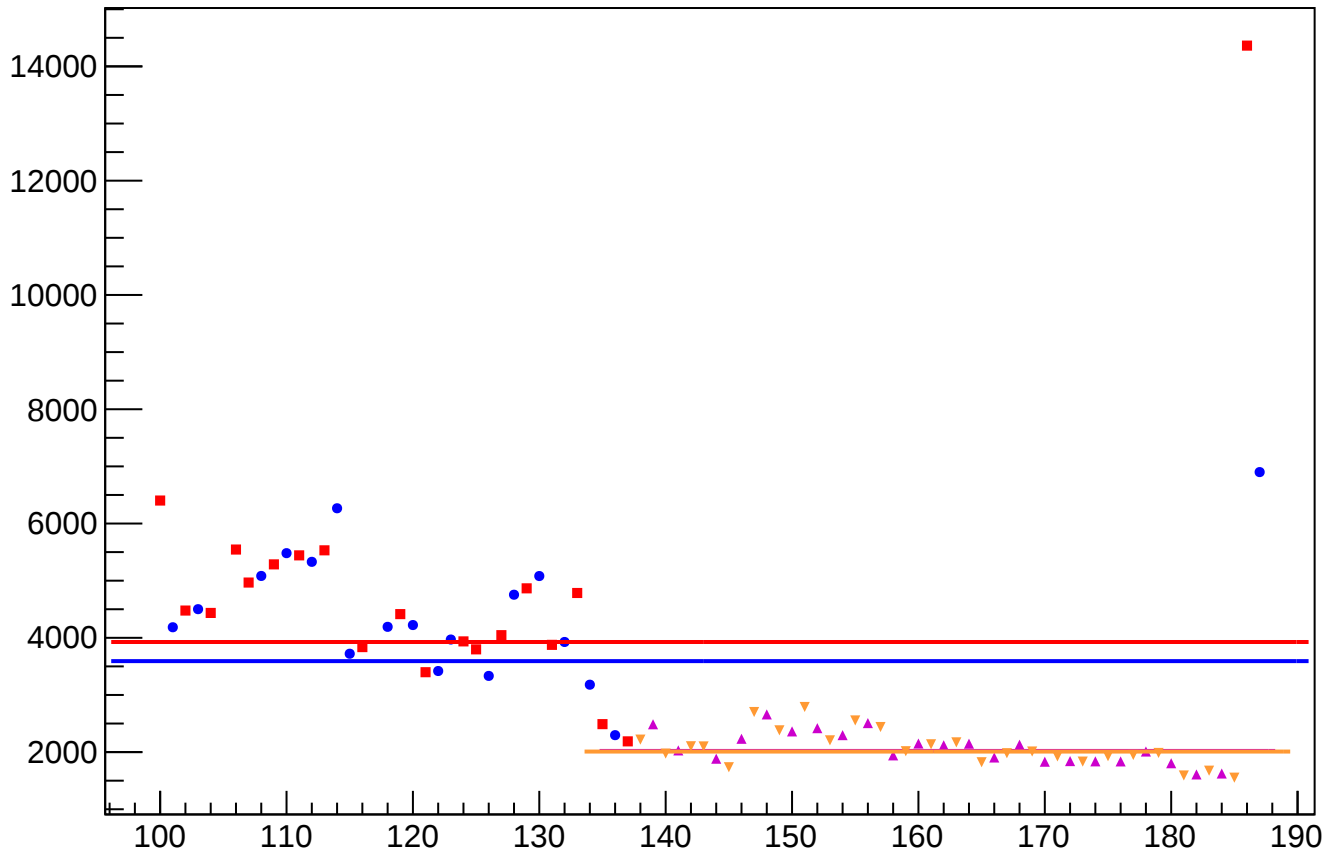
Left In: -172.391 $\pm$ 488.067 χ^2/NDF : 33.2/22

+ sign 1076.348 $\pm$ 449.784 χ^2/NDF : 56.1/42

All: 519.623 $\pm$ 323.088 χ^2/NDF : 110.2/85

- sign -73.863 $\pm$ 464.396 χ^2/NDF : 51.0/42

asym_sam2_rms vs Slug



Right In: 3592.252+/-1.022 χ^2/NDF : 1157732.5/17

Left Out: 2009.631+/-0.335 χ^2/NDF : 709977.6/24

+ sign 2162.762+/-0.318 χ^2/NDF : 4031753.0/42

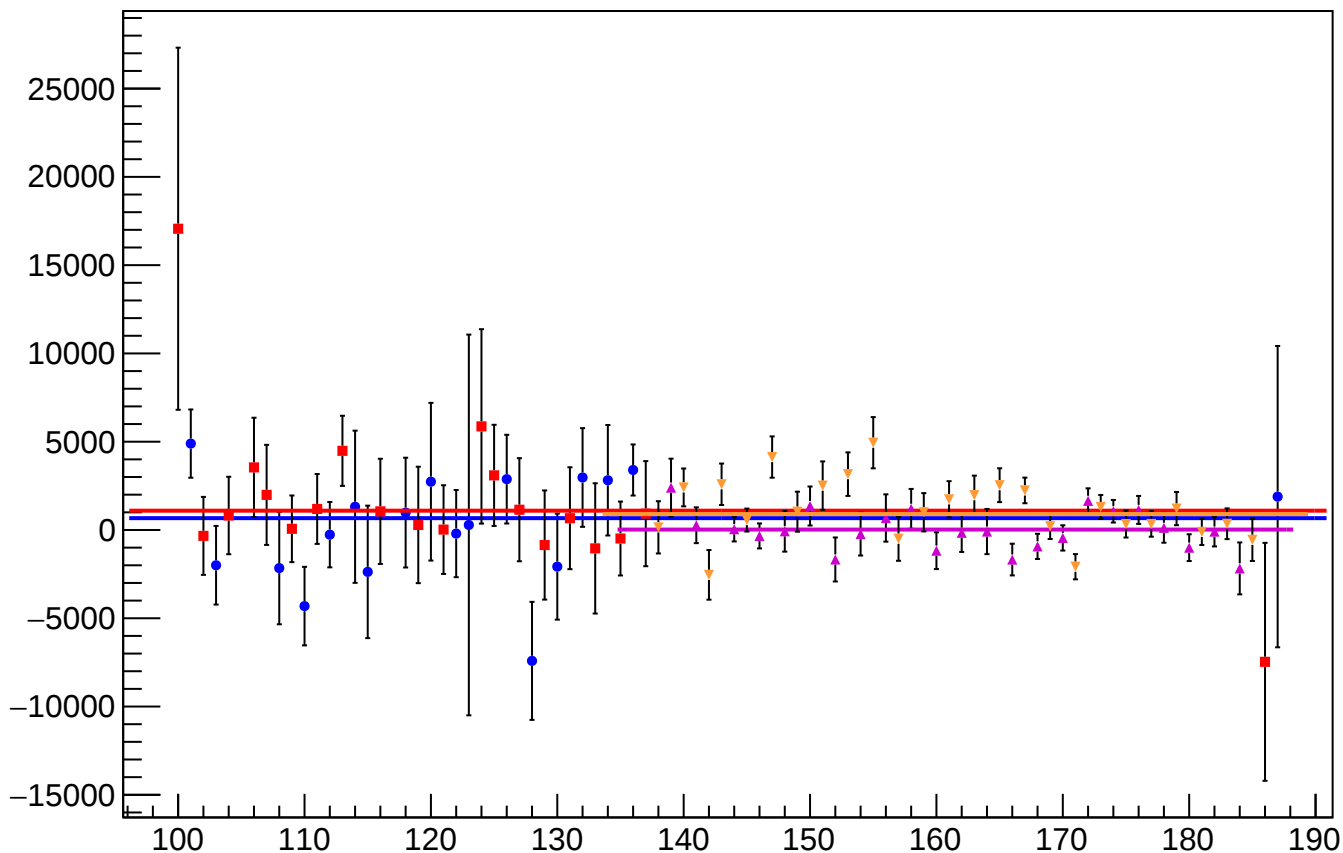
Right Out: 3926.927+/-1.067 χ^2/NDF : 1380273.9/19

All: 2181.181+/-0.228 χ^2/NDF : 8881011.3/85

Left In: 2020.365+/-0.345 χ^2/NDF : 573483.0/22

- sign 2200.817+/-0.328 χ^2/NDF : 4842328.5/42

asym_sam3_mean vs Slug



Right In: 669.894 ± 620.862 χ^2/NDF : 25.5/17

Left Out: 902.091 ± 185.850 χ^2/NDF : 63.5/24

Right Out: 1093.487 ± 601.934 χ^2/NDF : 11.4/19

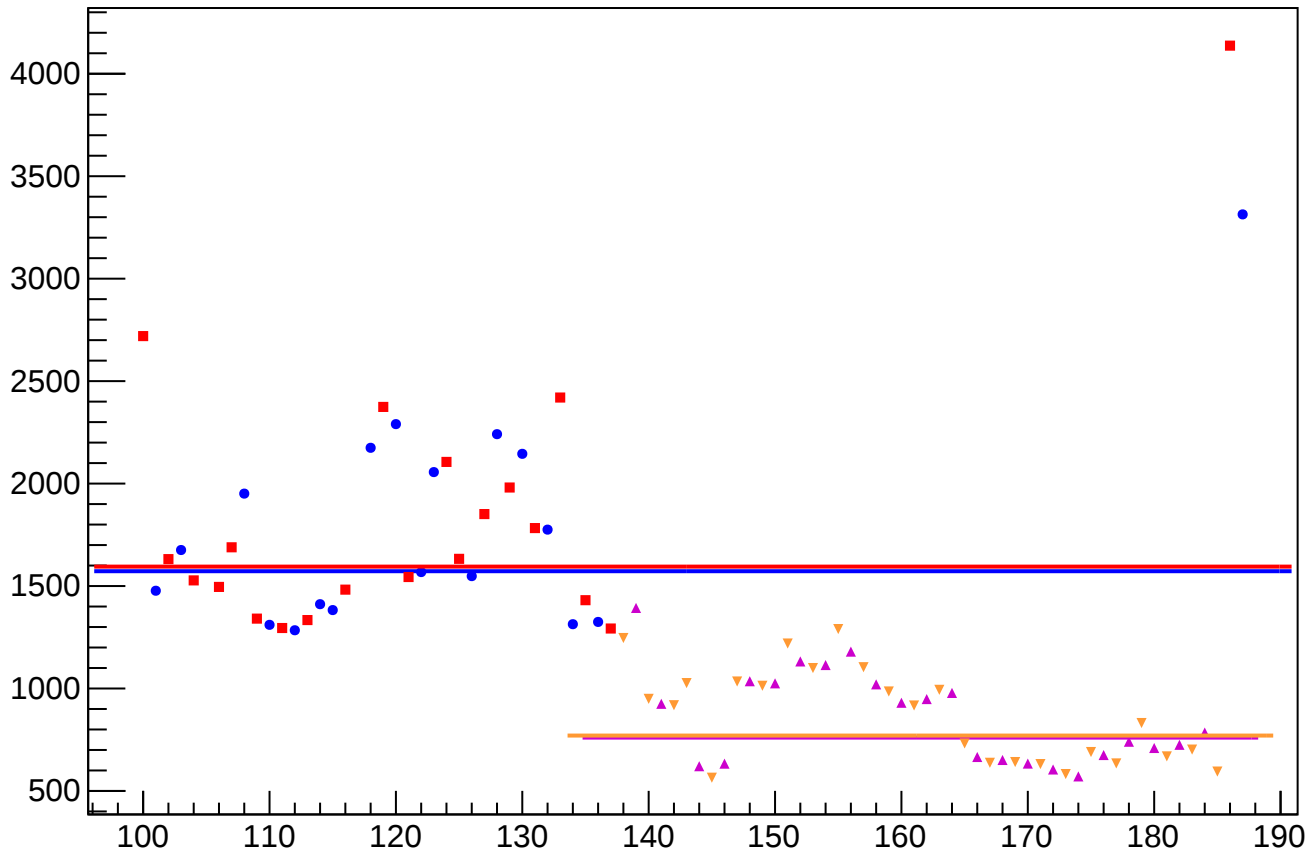
Left In: 23.529 ± 188.137 χ^2/NDF : 28.2/22

+ sign 882.996 ± 178.044 χ^2/NDF : 89.1/42

All: 504.134 ± 126.432 χ^2/NDF : 140.7/85

- sign 118.751 ± 179.570 χ^2/NDF : 42.5/42

asym_sam3_rms vs Slug



Right In: 1572.364+/-0.439 χ^2/NDF : 571374.6/17

Left Out: 770.320+/-0.131 χ^2/NDF : 2287655.1/24

Right Out: 1594.811+/-0.426 χ^2/NDF : 753414.9/19

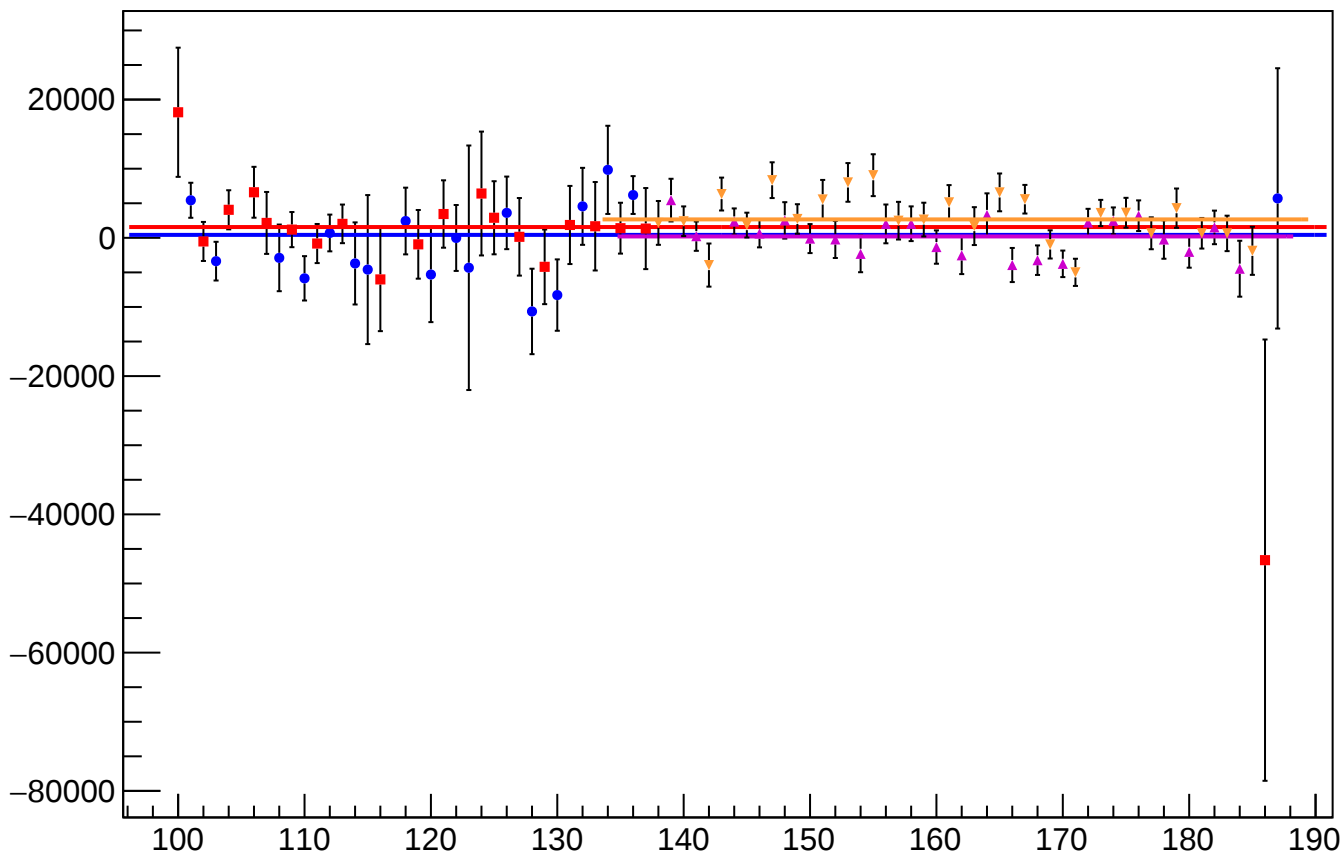
Left In: 760.352+/-0.133 χ^2/NDF : 1986749.8/22

+ sign 836.278+/-0.126 χ^2/NDF : 5922171.6/42

All: 835.453+/-0.089 χ^2/NDF : 12163986.1/85

- sign 834.615+/-0.127 χ^2/NDF : 6241728.0/42

asym_sam4_mean vs Slug



Right In: 425.925 ± 996.648 χ^2/NDF : 25.4/17

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 1560.531 ± 925.388 χ^2/NDF : 12.4/19

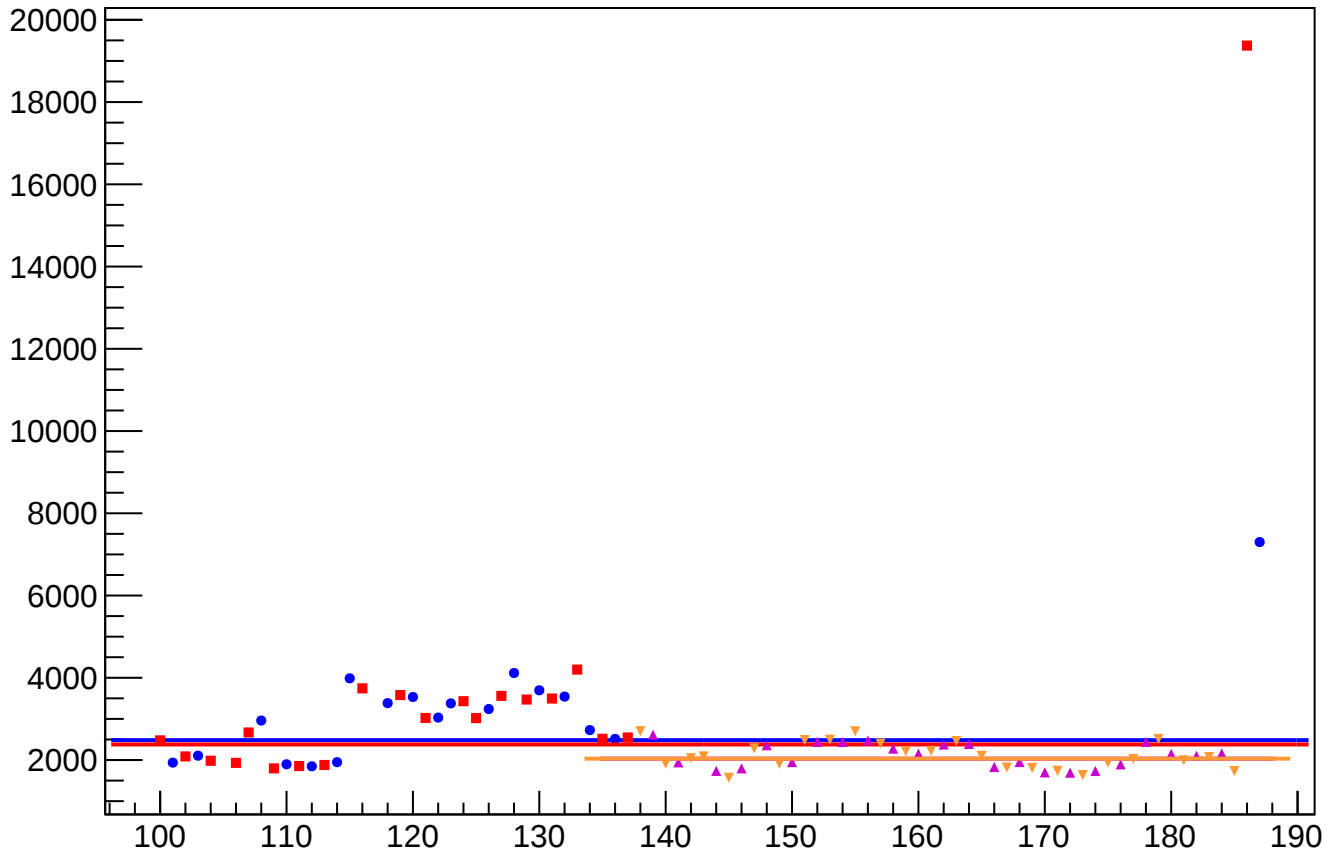
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2244.227 ± 432.292 χ^2/NDF : 78.7/42

All: 1376.213 ± 306.445 χ^2/NDF : 126.7/85

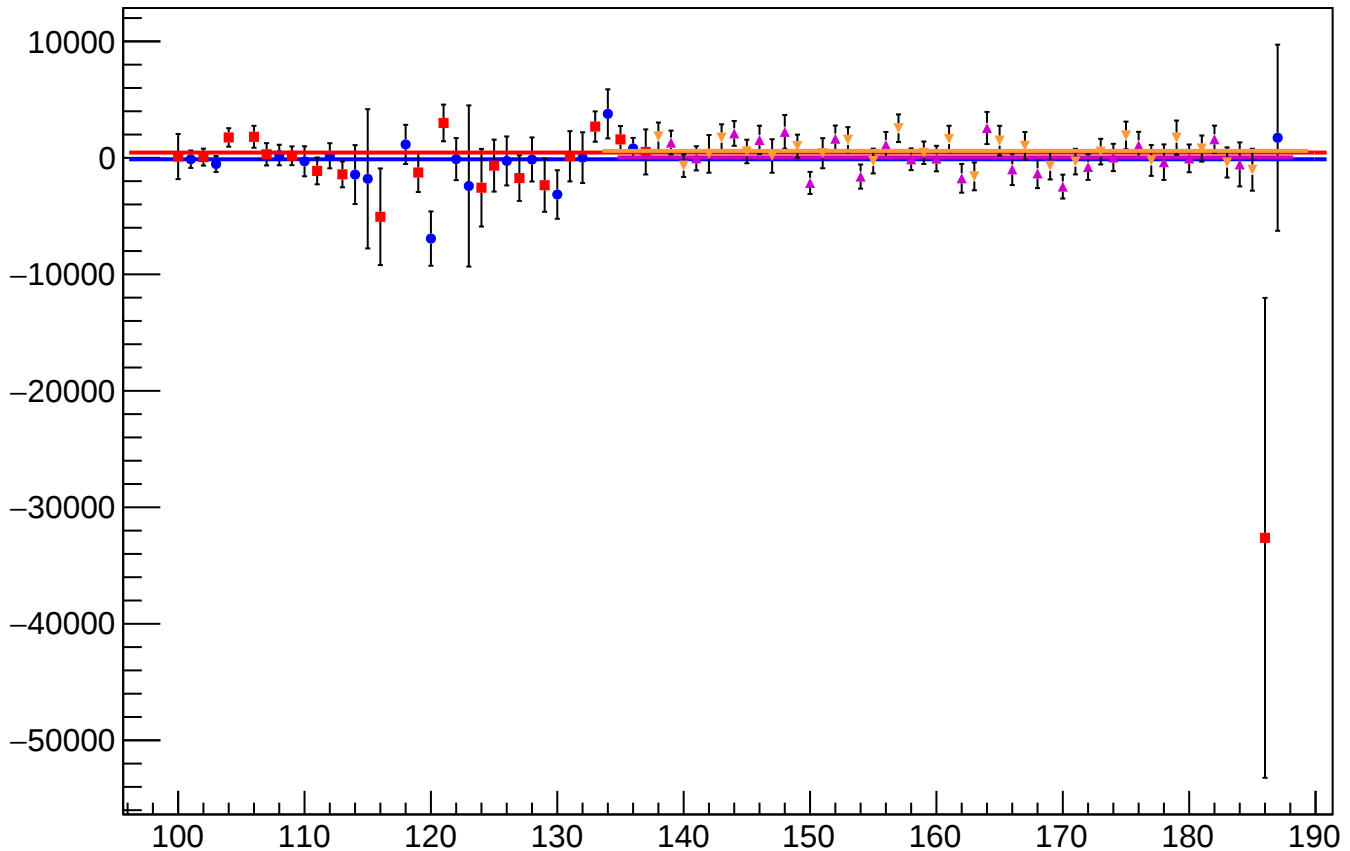
- sign 499.417 ± 434.474 χ^2/NDF : 39.9/42

asym_sam4_rms vs Slug



Right In: 2482.771+/-0.705 χ^2/NDF : 1031470.1/17 + sign 2117.891+/-0.306 χ^2/NDF : 2185719.9/42
 Left Out: 2033.337+/-0.339 χ^2/NDF : 824062.2/24 All: 2113.375+/-0.217 χ^2/NDF : 4650053.7/85
 Right Out: 2378.145+/-0.654 χ^2/NDF : 1593808.3/19 - sign 2108.813+/-0.307 χ^2/NDF : 2463894.9/42
 Left In: 2032.655+/-0.348 χ^2/NDF : 652763.7/22

asym_sam5_mean vs Slug



Right In: -121.488 ± 313.493 χ^2/NDF : 16.8/17

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 454.954 ± 283.109 χ^2/NDF : 25.7/19

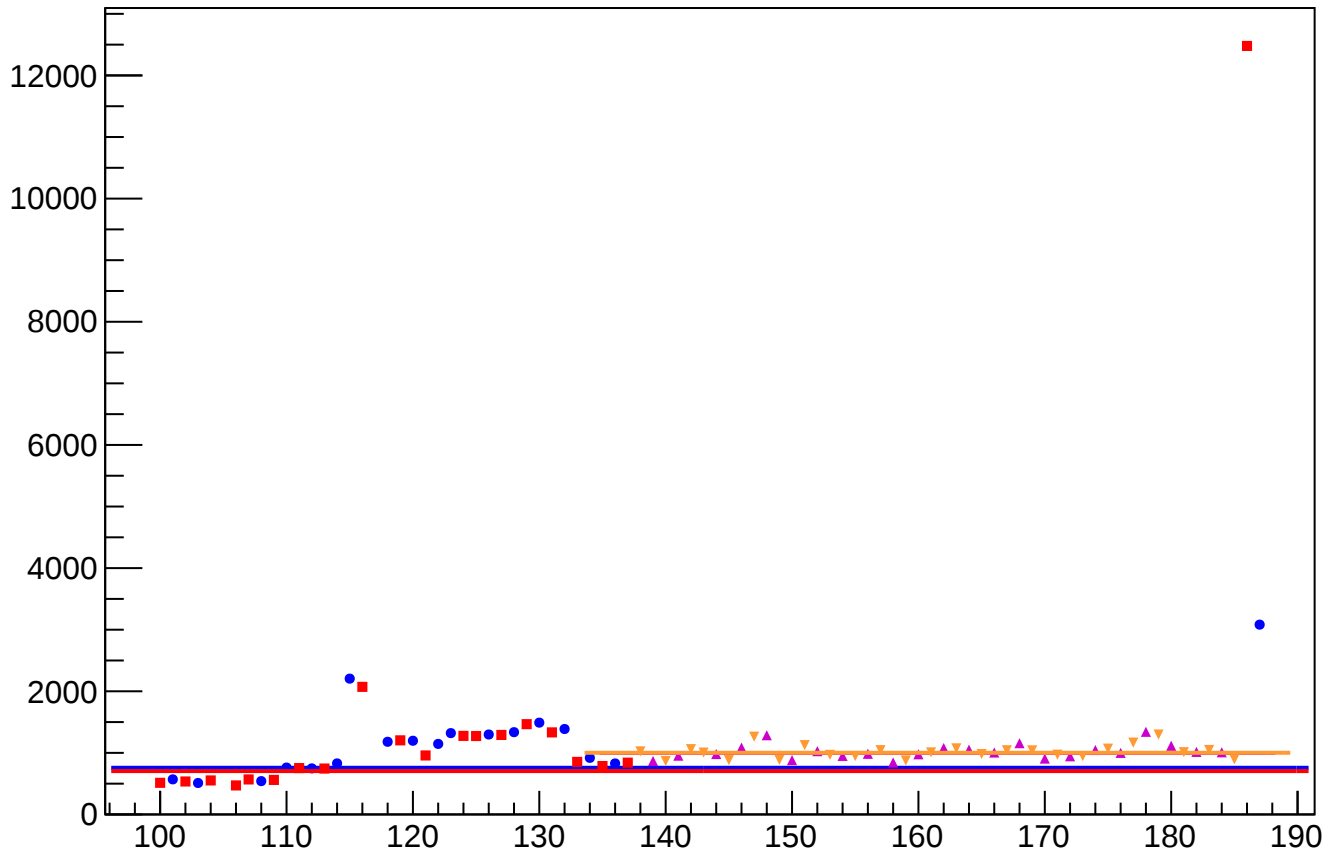
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 340.482 ± 188.018 χ^2/NDF : 38.7/42

All: 276.239 ± 131.296 χ^2/NDF : 102.2/85

- sign 215.095 ± 183.428 χ^2/NDF : 63.3/42

asym_sam5_rms vs Slug



Right In: 757.803 $\pm$ 0.222 χ^2 /NDF: 1858639.0/17

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 704.299 $\pm$ 0.200 χ^2 /NDF: 2342699.1/19

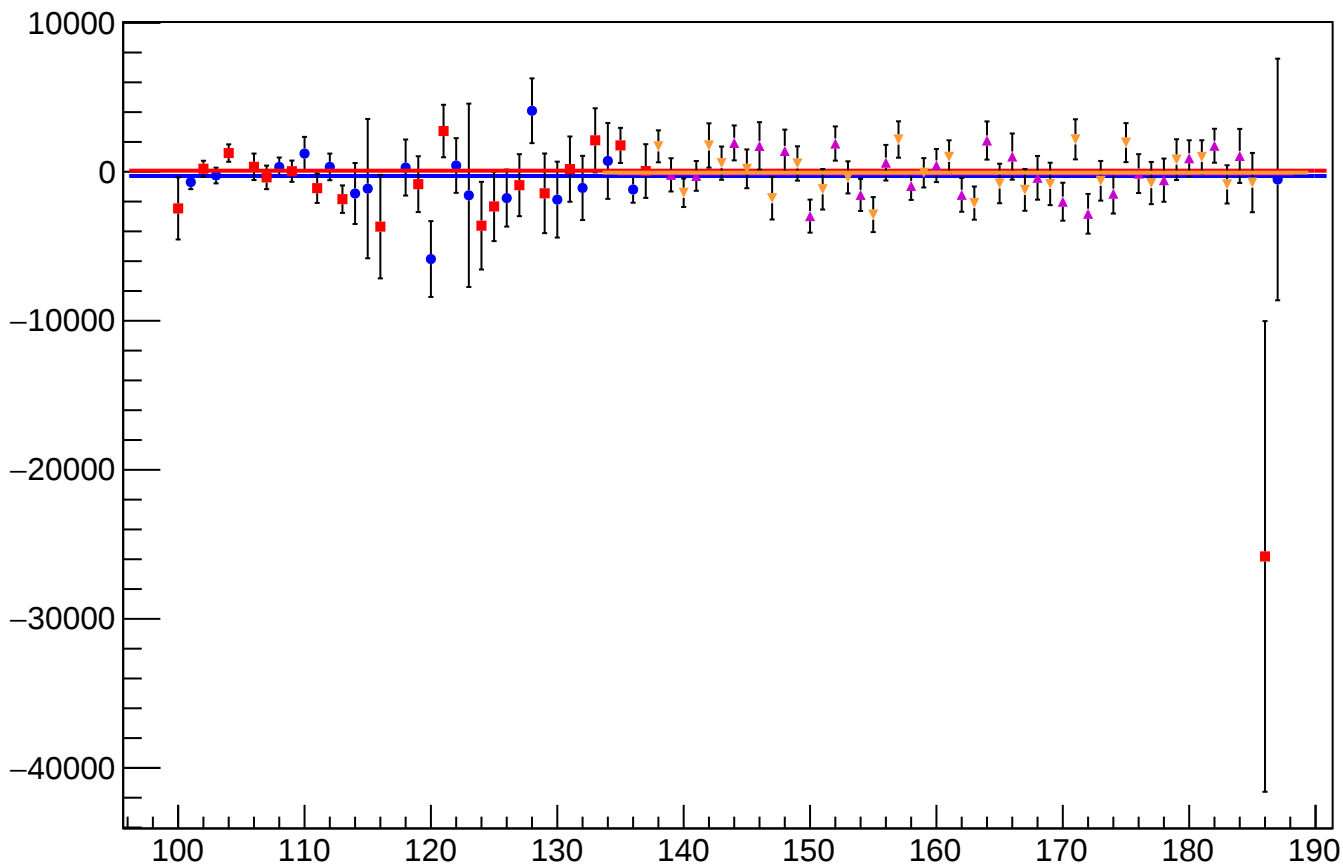
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 913.823 $\pm$ 0.133 χ^2 /NDF: 3002611.1/42

All: 893.798 $\pm$ 0.093 χ^2 /NDF: 7043568.8/85

- sign 874.738 $\pm$ 0.130 χ^2 /NDF: 3996676.8/42

asym_sam6_mean vs Slug



Right In: -283.397+/-250.563 χ^2 /NDF: 15.8/17

Left Out: -59.827+/-246.503 χ^2 /NDF:31.0/24

Right Out: 71.299+/-246.181 χ^2 /NDF: 24.3/19

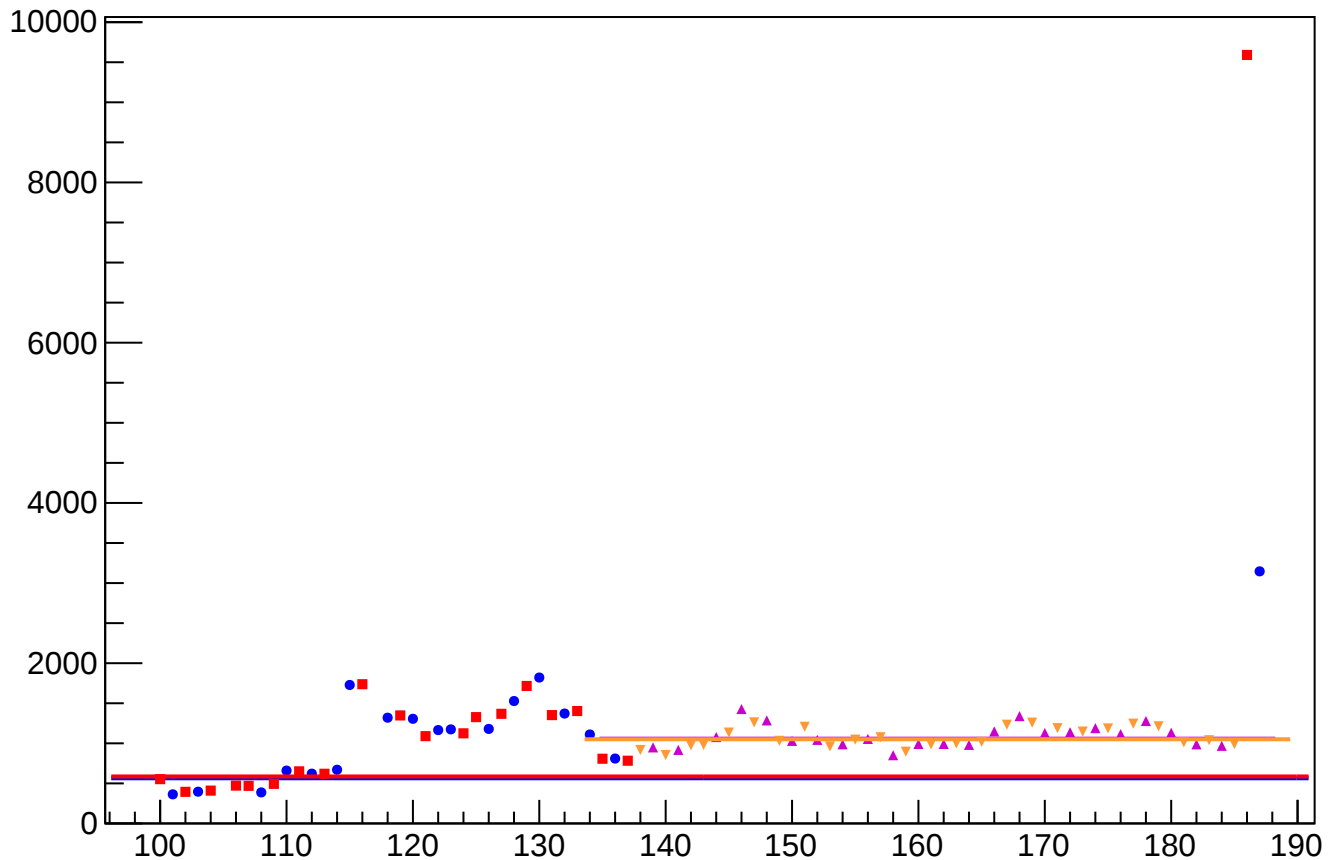
Left In: -112.398+/-255.409 χ^2 /NDF:34.9/22

+ sign -169.786+/-175.722 χ^2 /NDF: 47.2/42

All: -94.139+/-124.790 χ^2 /NDF: 106.9/85

- sign -17.171+/-177.249 χ^2 /NDF: 59.4/42

asym_sam6_rms vs Slug



Right In: 563.789+/-0.177 χ^2/NDF : 3414438.7/17

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 586.534+/-0.174 χ^2/NDF : 3464132.4/19

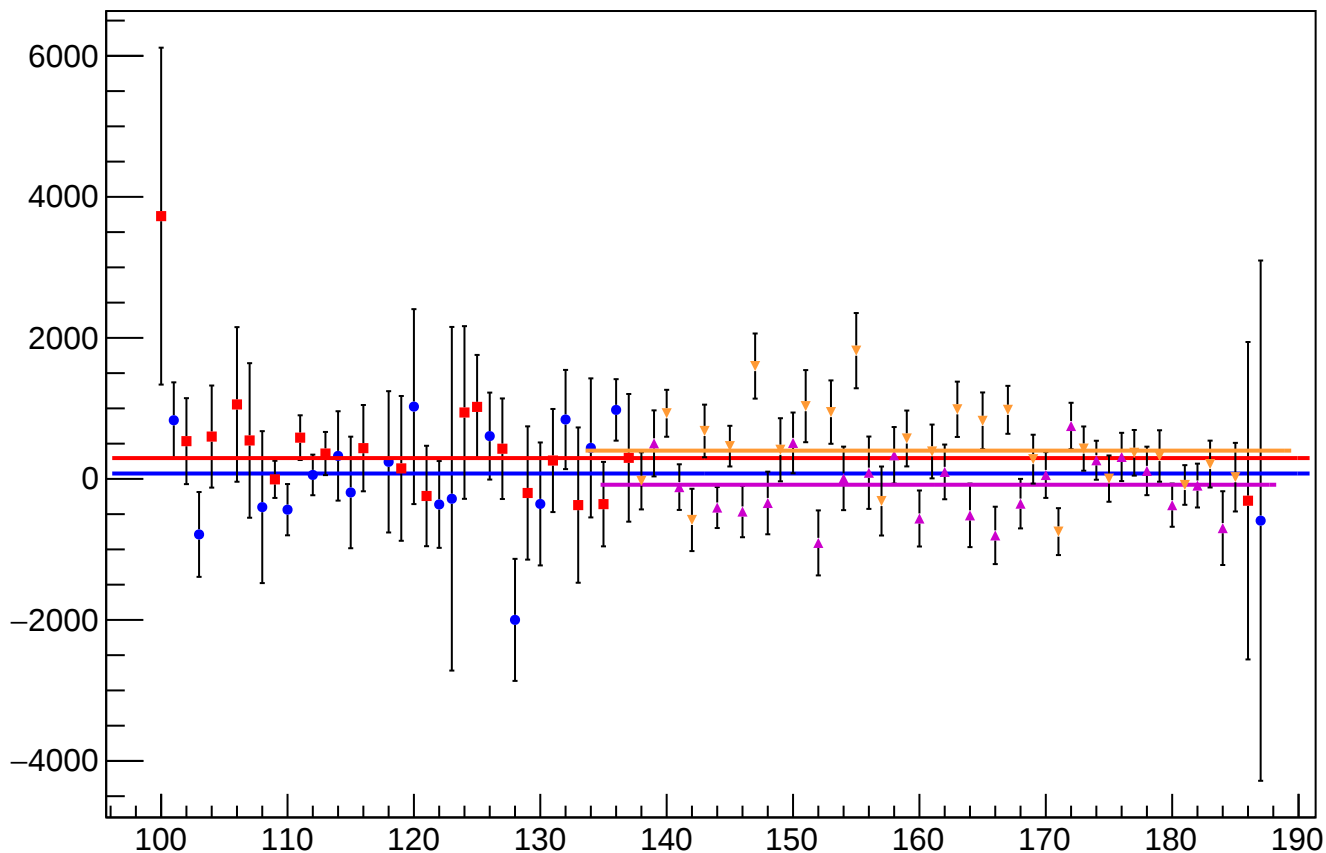
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 811.195+/-0.124 χ^2/NDF : 7734752.6/42

All: 812.408+/-0.088 χ^2/NDF : 15261875.7/85

- sign 813.642+/-0.125 χ^2/NDF : 7526930.8/42

asym_sam7_mean vs Slug



Right In: 76.409 $\pm$ 143.162 χ^2 /NDF: 19.9/17

Left Out: 400.988 $\pm$ 74.546 χ^2 /NDF: 52.1/24

Right Out: 295.198 $\pm$ 129.599 χ^2 /NDF: 9.0/19

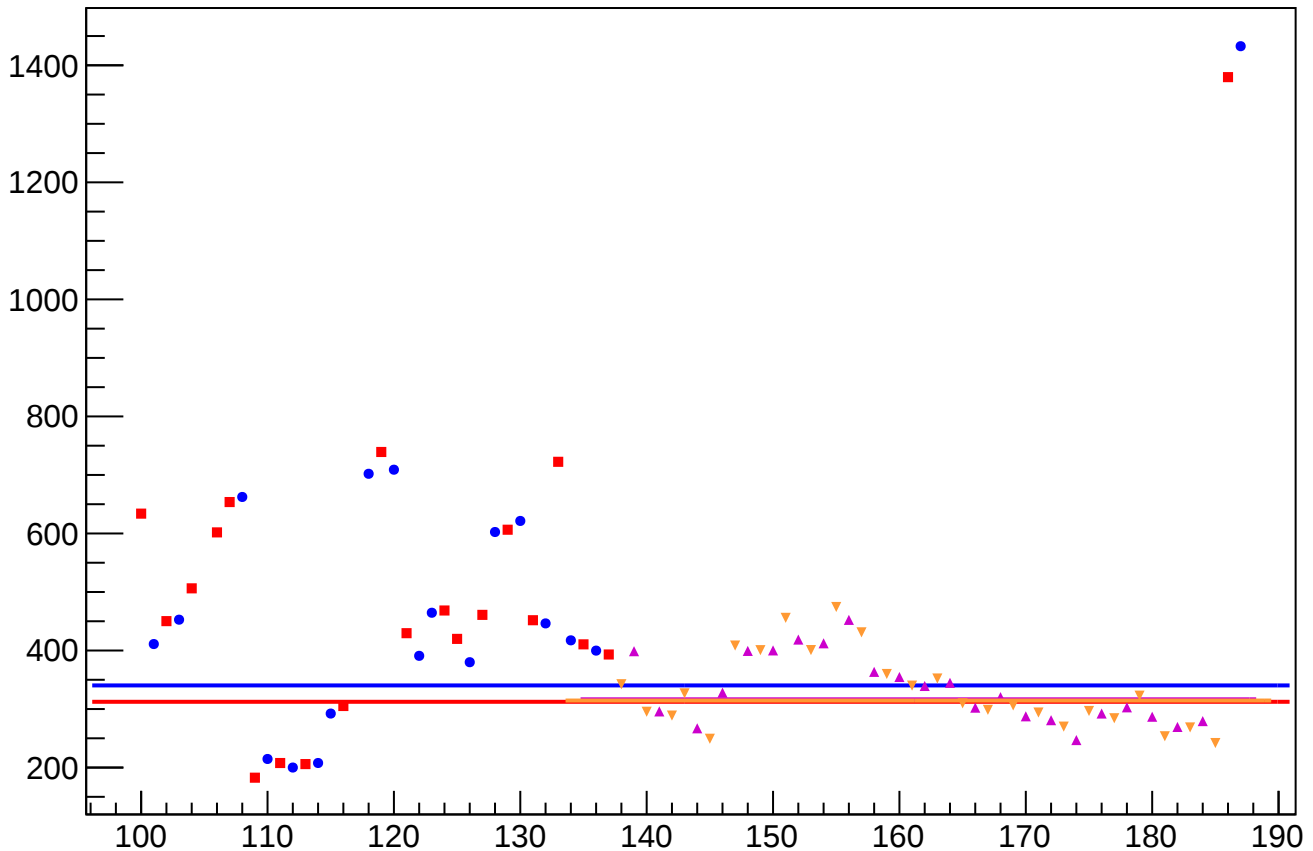
Left In: -82.890 $\pm$ 76.904 χ^2 /NDF: 29.0/22

+ sign 331.753 $\pm$ 66.119 χ^2 /NDF: 76.0/42

All: 173.704 $\pm$ 46.759 χ^2 /NDF: 131.7/85

- sign 15.573 $\pm$ 66.136 χ^2 /NDF: 44.2/42

asym_sam7_rms vs Slug



Right In: 340.353+/-0.101 χ^2/NDF : 2183132.1/17

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 312.383+/-0.092 χ^2/NDF : 3183873.4/19

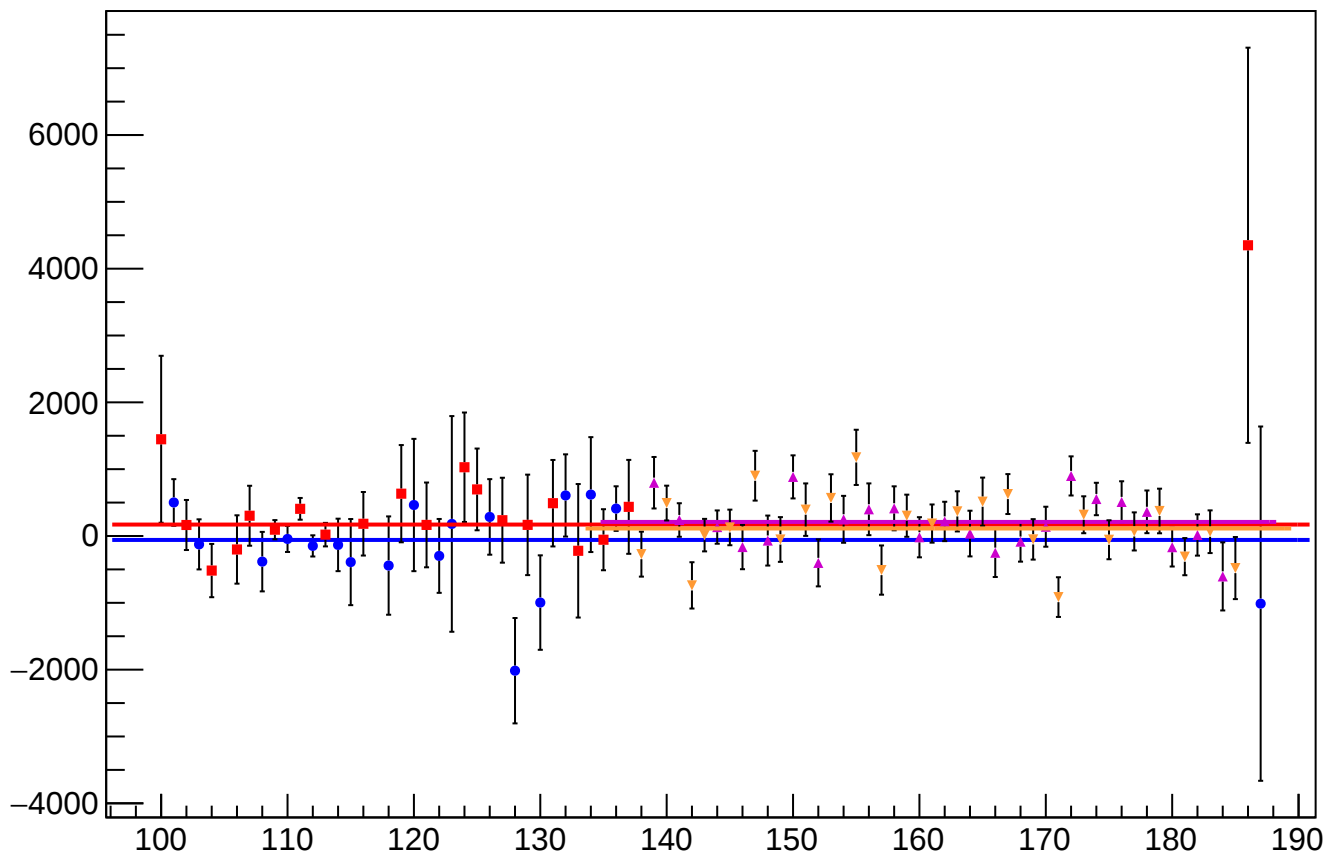
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 320.045+/-0.047 χ^2/NDF : 3346736.0/42

All: 317.791+/-0.033 χ^2/NDF : 7457732.4/85

- sign 315.536+/-0.047 χ^2/NDF : 4106348.5/42

asym_sam8_mean vs Slug



Right In: -58.968 ± 90.641 χ^2/NDF : 16.7/17

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 171.155 ± 76.942 χ^2/NDF : 12.8/19

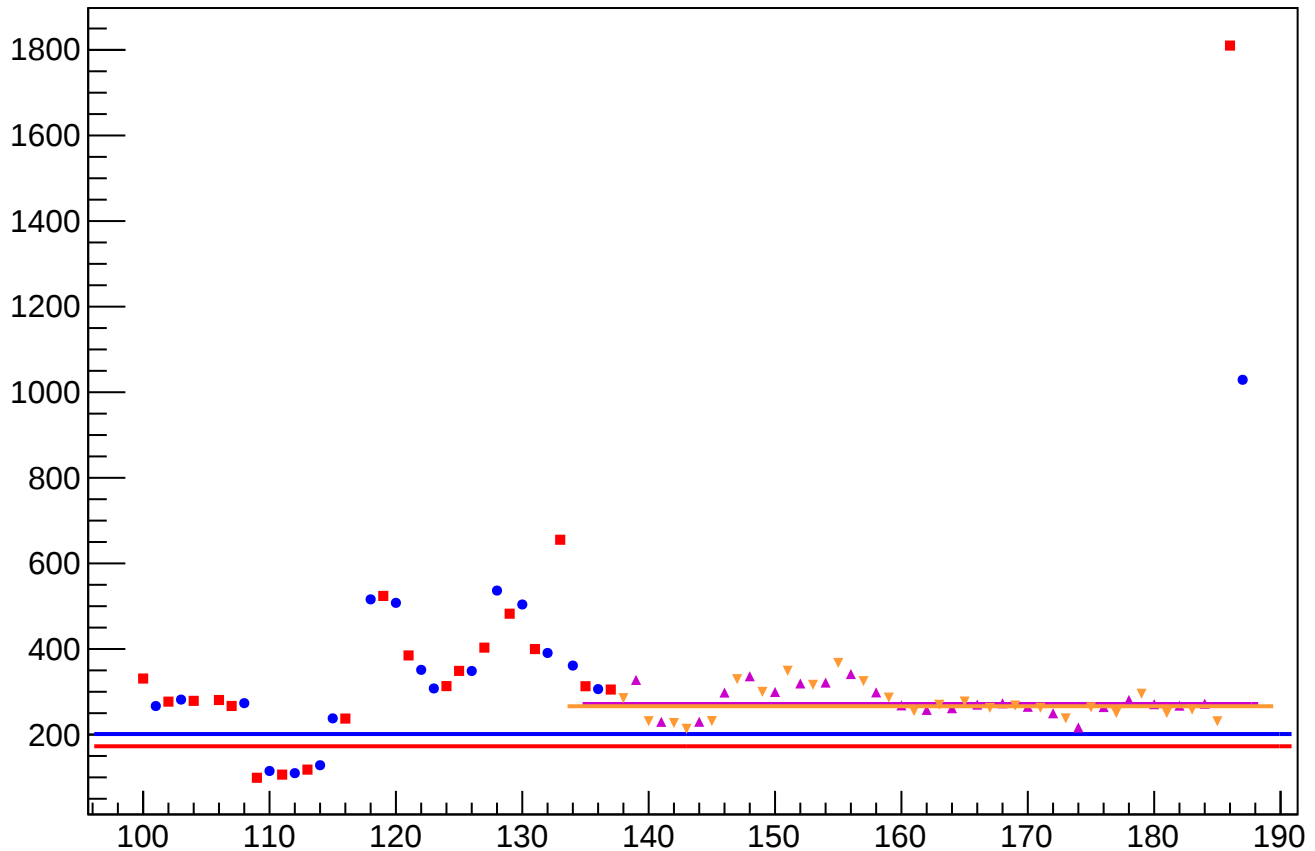
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 56.900 ± 51.534 χ^2/NDF : 68.3/42

All: 127.653 ± 35.841 χ^2/NDF : 114.0/85

- sign 193.937 ± 49.880 χ^2/NDF : 42.1/42

asym_sam8_rms vs Slug



Right In: 201.253+/-0.064 χ^2/NDF : 3577159.6/17

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 172.656+/-0.054 χ^2/NDF : 4697030.3/19

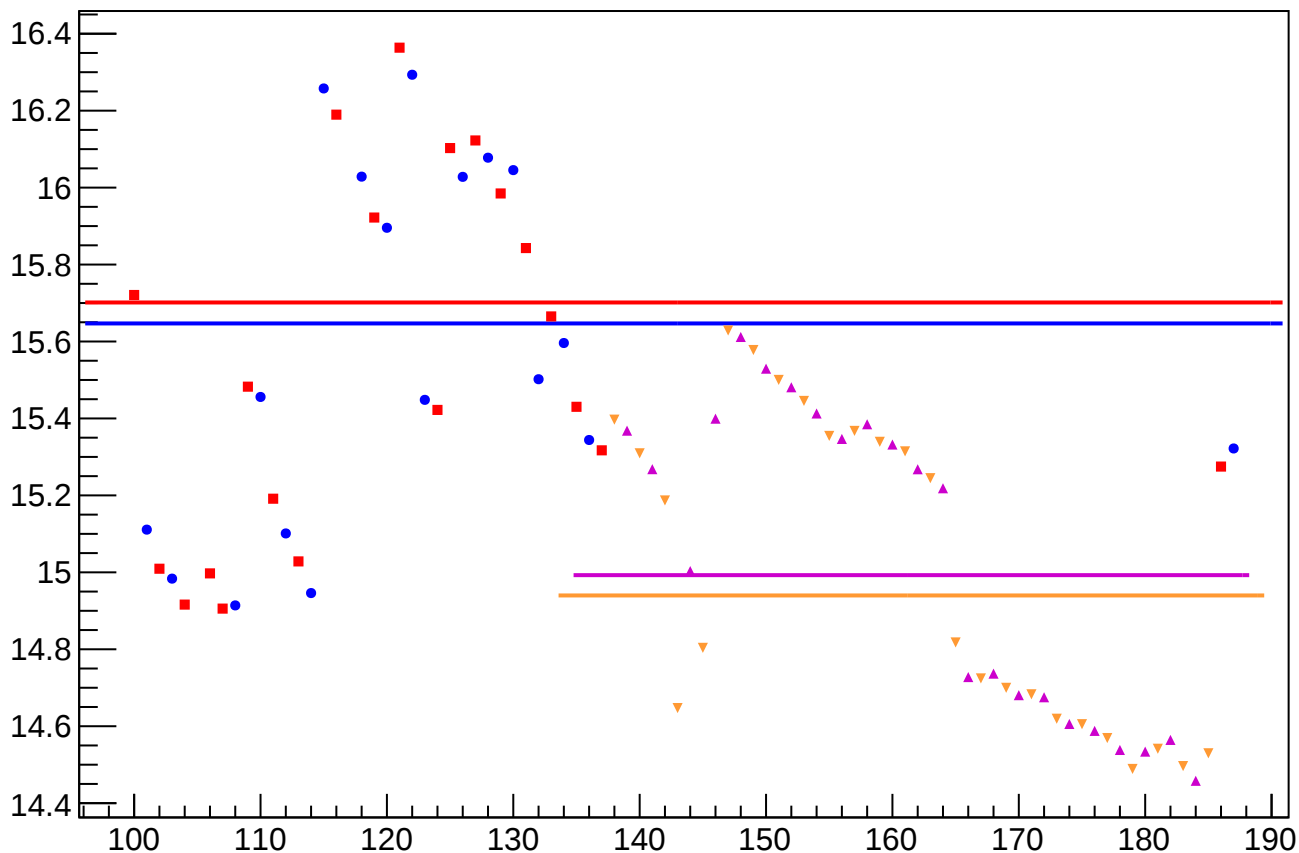
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 245.211+/-0.036 χ^2/NDF : 4921861.3/42

All: 237.311+/-0.025 χ^2/NDF : 12142025.6/85

- sign 229.910+/-0.035 χ^2/NDF : 7129130.4/42

yield_sam1_mean vs Slug



Right In: 15.647 $\pm$ 0.000 χ^2 /NDF: 5455628994.4/17

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.701 $\pm$ 0.000 χ^2 /NDF: 5137705689.4/19

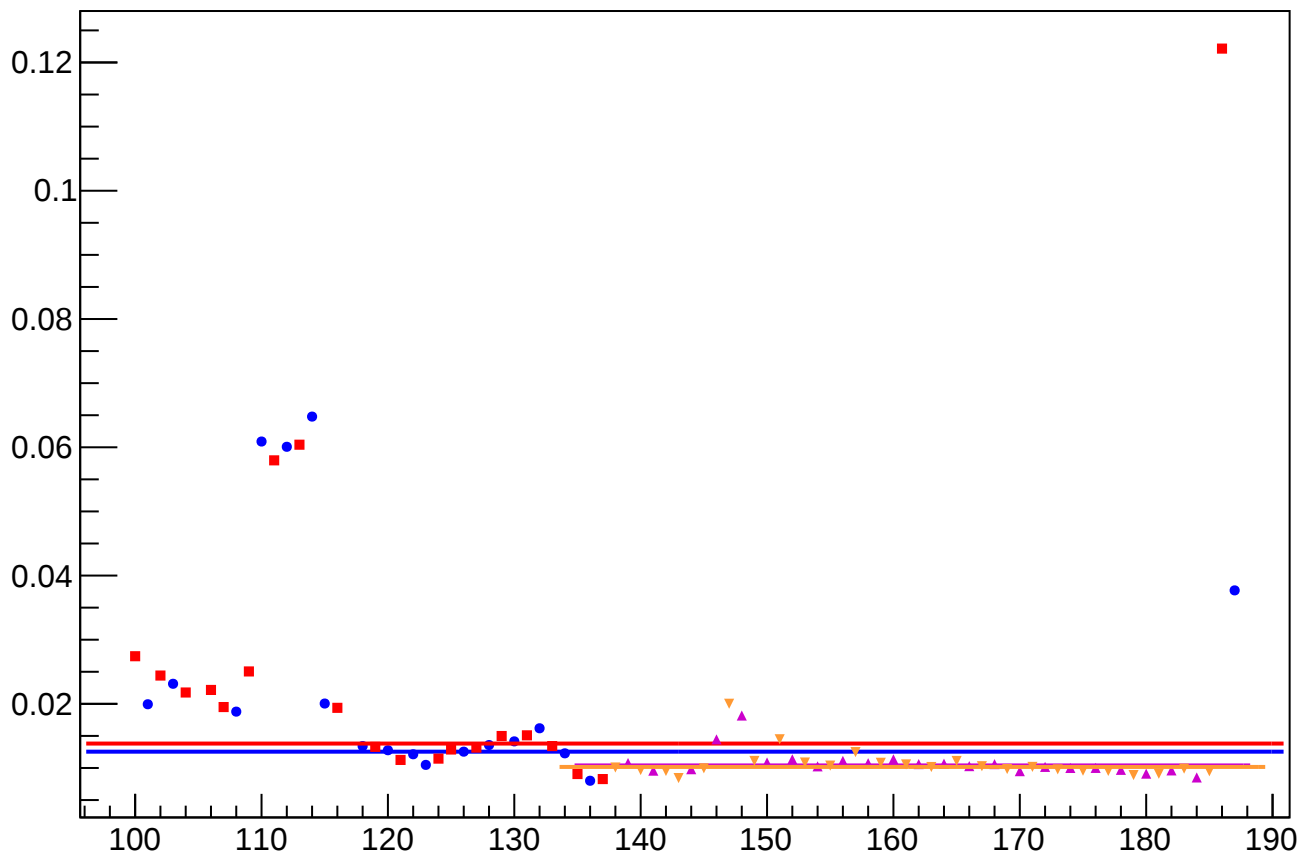
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.057 $\pm$ 0.000 χ^2 /NDF: 43498670923.3/42

All: 15.080 $\pm$ 0.000 χ^2 /NDF: 83070959273.6

- sign 15.106 $\pm$ 0.000 χ^2 /NDF: 39346478333.7/42

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2272225.3/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2643067.5/19

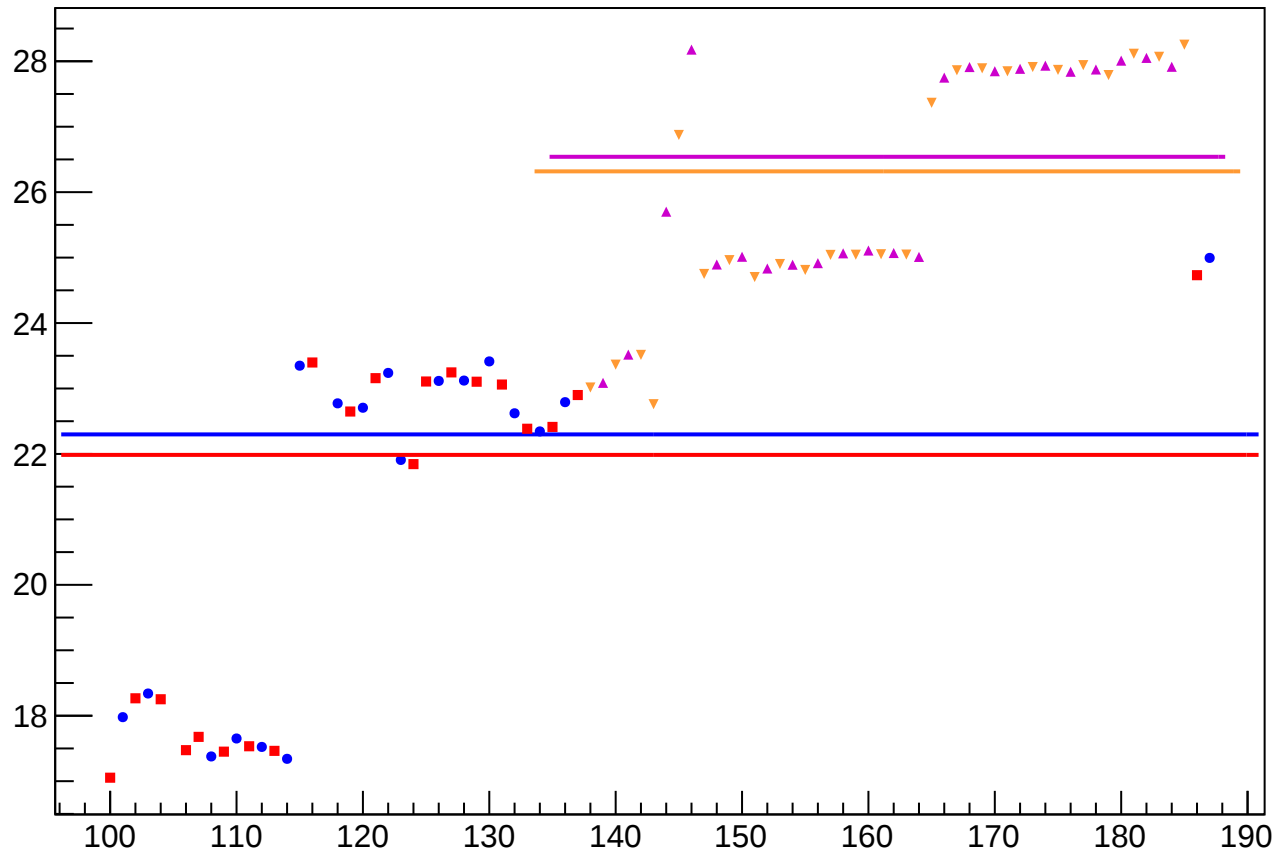
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3303101.0/42

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 7082724.7/85

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3751605.8/42

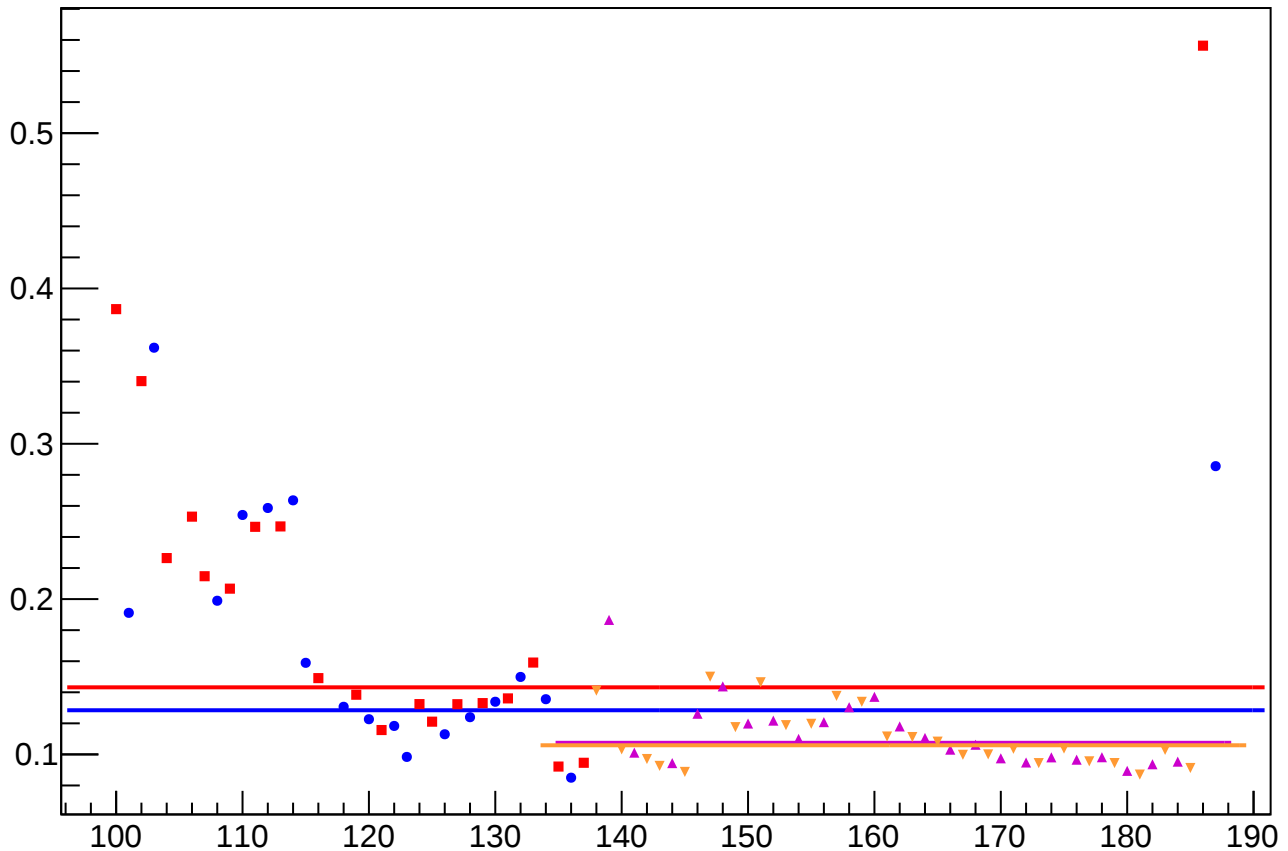
yield_sam2_mean vs Slug



Right In: 22.299 $\pm$ 0.000 χ^2 /NDF: 941922474.8/17
 Left Out: 26.318 $\pm$ 0.000 χ^2 /NDF: 4715403741.0/24
 Right Out: 21.985 $\pm$ 0.000 χ^2 /NDF: 1058651860.5/19
 Left In: 26.540 $\pm$ 0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.589 $\pm$ 0.000 χ^2 /NDF: 9785823885.7/42
 All: 25.662 $\pm$ 0.000 χ^2 /NDF: 18889172613.7
 - sign 25.741 $\pm$ 0.000 χ^2 /NDF: 9084435564.5/42

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1577932.7/17

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 732883.8/24

Right Out: 0.143 $\pm$ 0.000 χ^2 /NDF: 1854767.8/19

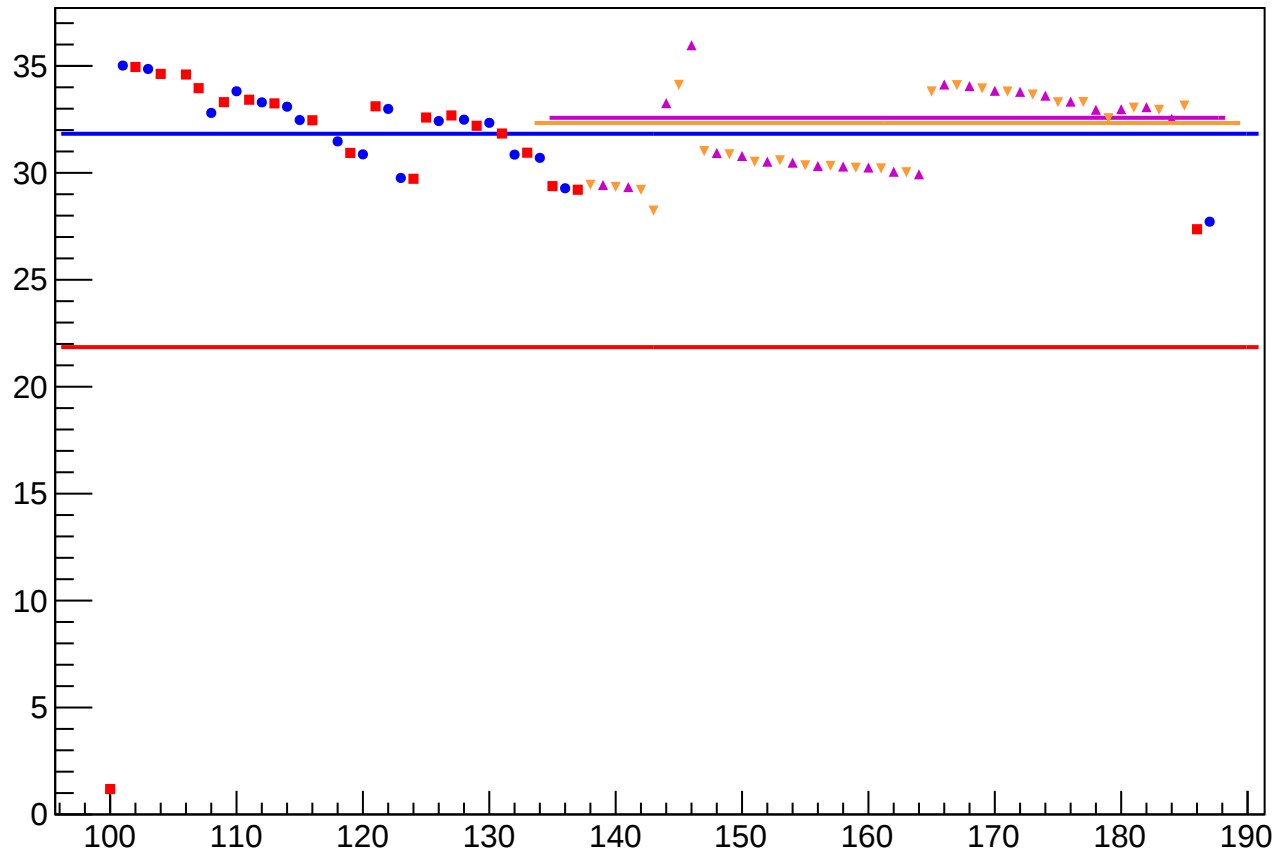
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 771132.0/22

+ sign 0.110 $\pm$ 0.000 χ^2 /NDF: 2570724.5/42

All: 0.112 $\pm$ 0.000 χ^2 /NDF: 5800078.4/85

- sign 0.114 $\pm$ 0.000 χ^2 /NDF: 3206017.9/42

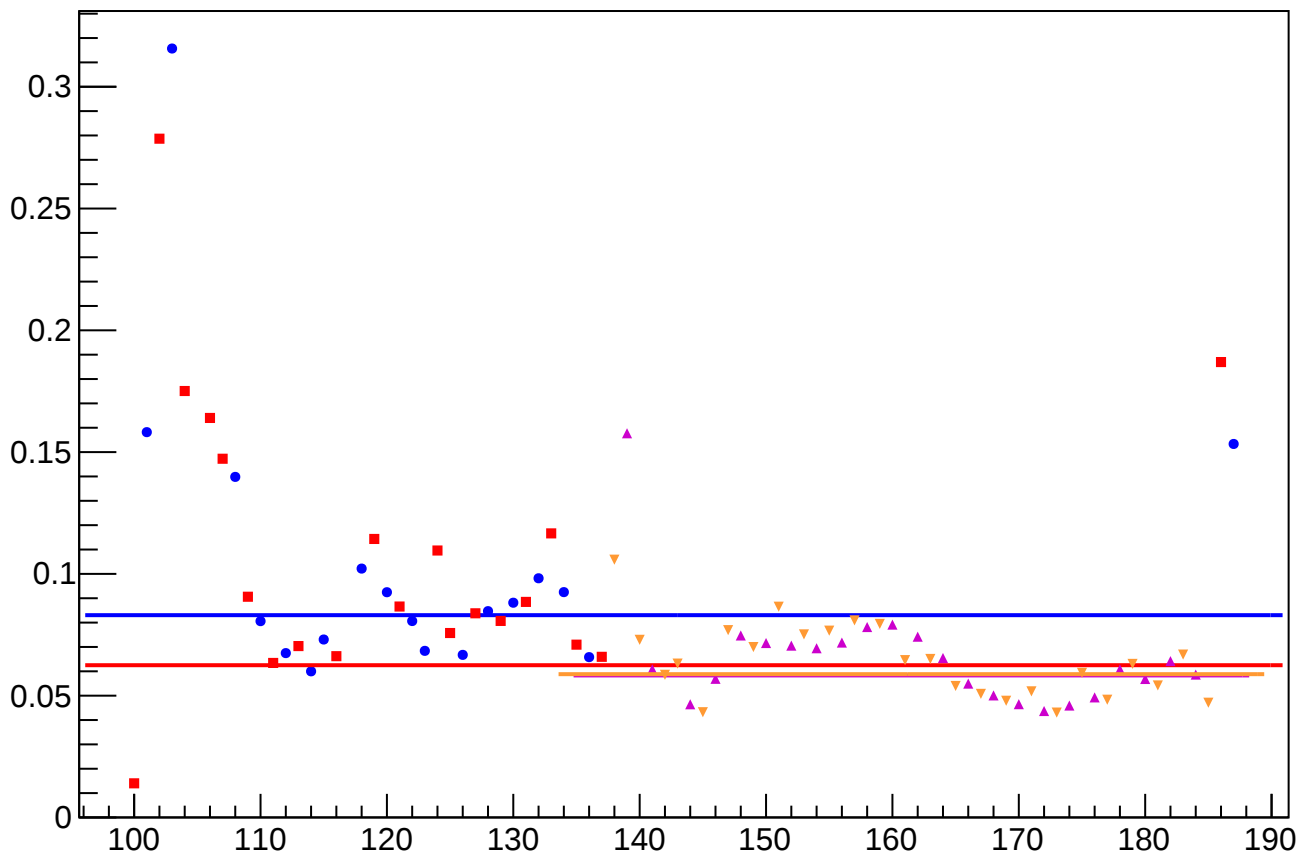
yield_sam3_mean vs Slug



Right In: 31.828 $\pm$ 0.000 χ^2 /NDF: 2003337251.5/17
 Left Out: 32.331 $\pm$ 0.000 χ^2 /NDF:12850475096.2/24
 Right Out: 21.852 $\pm$ 0.000 χ^2 /NDF: 229271466327.8/19
 Left In: 32.574 $\pm$ 0.000 χ^2 /NDF:11797772603.7/22

+ sign 32.256 $\pm$ 0.000 χ^2 /NDF: 15009580918.9/42
 All: 31.247 $\pm$ 0.000 χ^2 /NDF: 362397825748.
 - sign 30.273 $\pm$ 0.000 χ^2 /NDF: 337754621921.3/42

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1241576.6/17

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.063 $\pm$ 0.000 χ^2 /NDF: 3932823.6/19

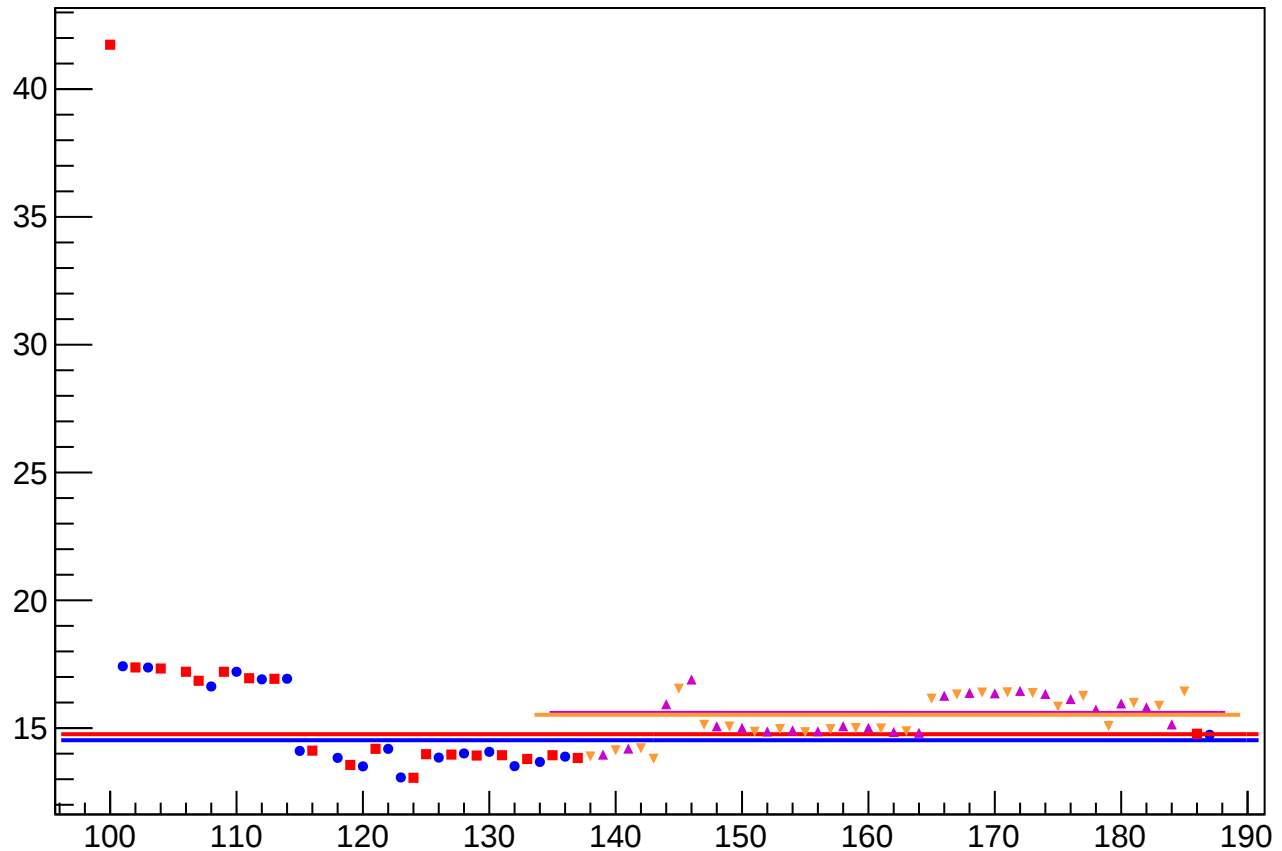
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.062 $\pm$ 0.000 χ^2 /NDF: 3366216.6/42

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8905994.7/85

- sign 0.059 $\pm$ 0.000 χ^2 /NDF: 5487902.5/42

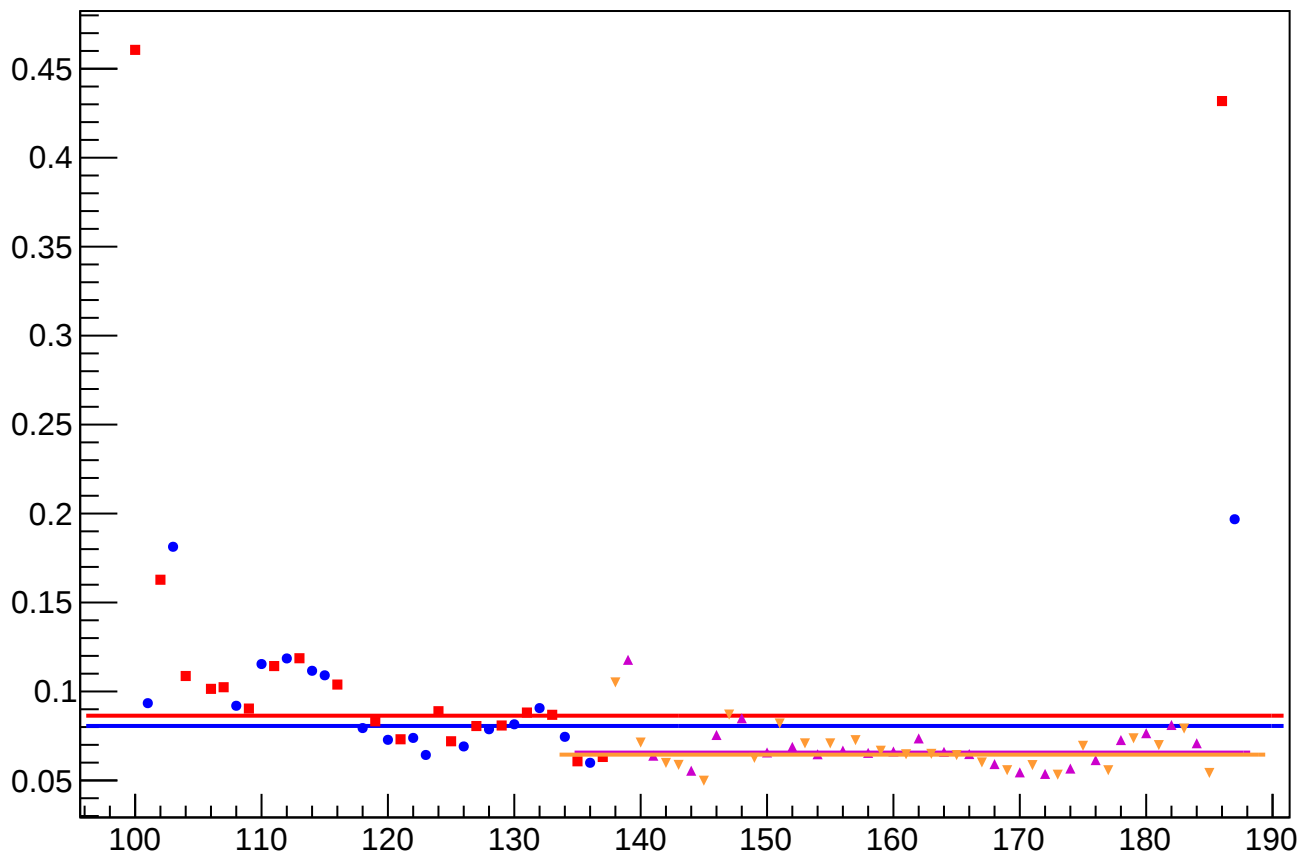
yield_sam4_mean vs Slug



Right In: 14.525 ± 0.000 χ^2/NDF : 1485663520.9/17
 Left Out: 15.521 ± 0.000 χ^2/NDF : 2591377740.5/24
 Right Out: 14.762 ± 0.000 χ^2/NDF : 1903089577.9/19
 Left In: 15.595 ± 0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.335 ± 0.000 χ^2/NDF : 4772091322.1/42
 All: 15.384 ± 0.000 χ^2/NDF : 9059081170.3/8
 - sign 15.438 ± 0.000 χ^2/NDF : 4263682344.7/42

yield_sam4_rms vs Slug



Right In: 0.081+/-0.000 χ^2/NDF : 877047.5/17

Left Out: 0.064+/-0.000 χ^2/NDF : 761552.3/24

Right Out: 0.086+/-0.000 χ^2/NDF : 1203460.6/19

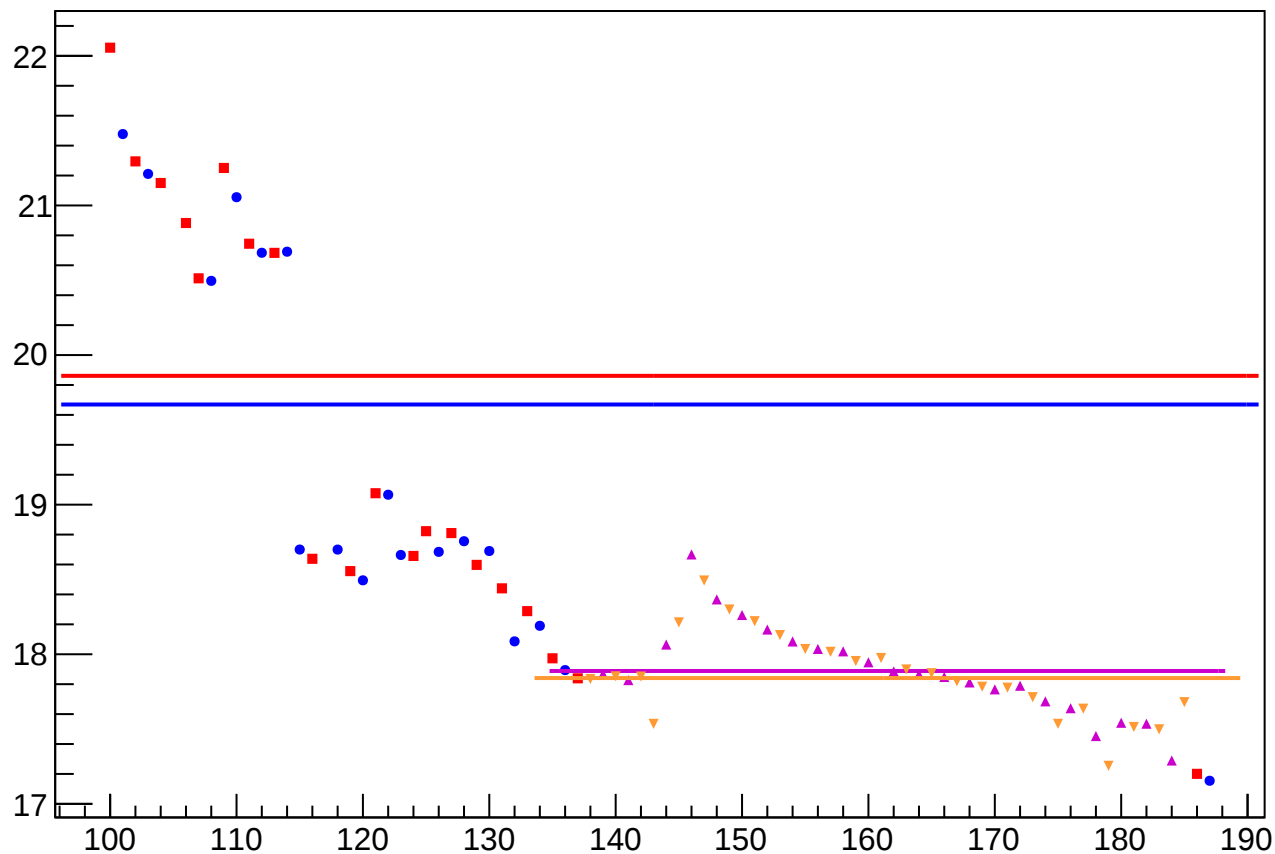
Left In: 0.066+/-0.000 χ^2/NDF : 714703.1/22

+ sign 0.068+/-0.000 χ^2/NDF : 2002995.1/42

All: 0.068+/-0.000 χ^2/NDF : 4499452.7/85

- sign 0.070+/-0.000 χ^2/NDF : 2477689.6/42

yield_sam5_mean vs Slug



Right In: 19.669+/-0.000 χ^2/NDF : 12454293324.4/17

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 19.861+/-0.000 χ^2/NDF : 11468190878.1/19

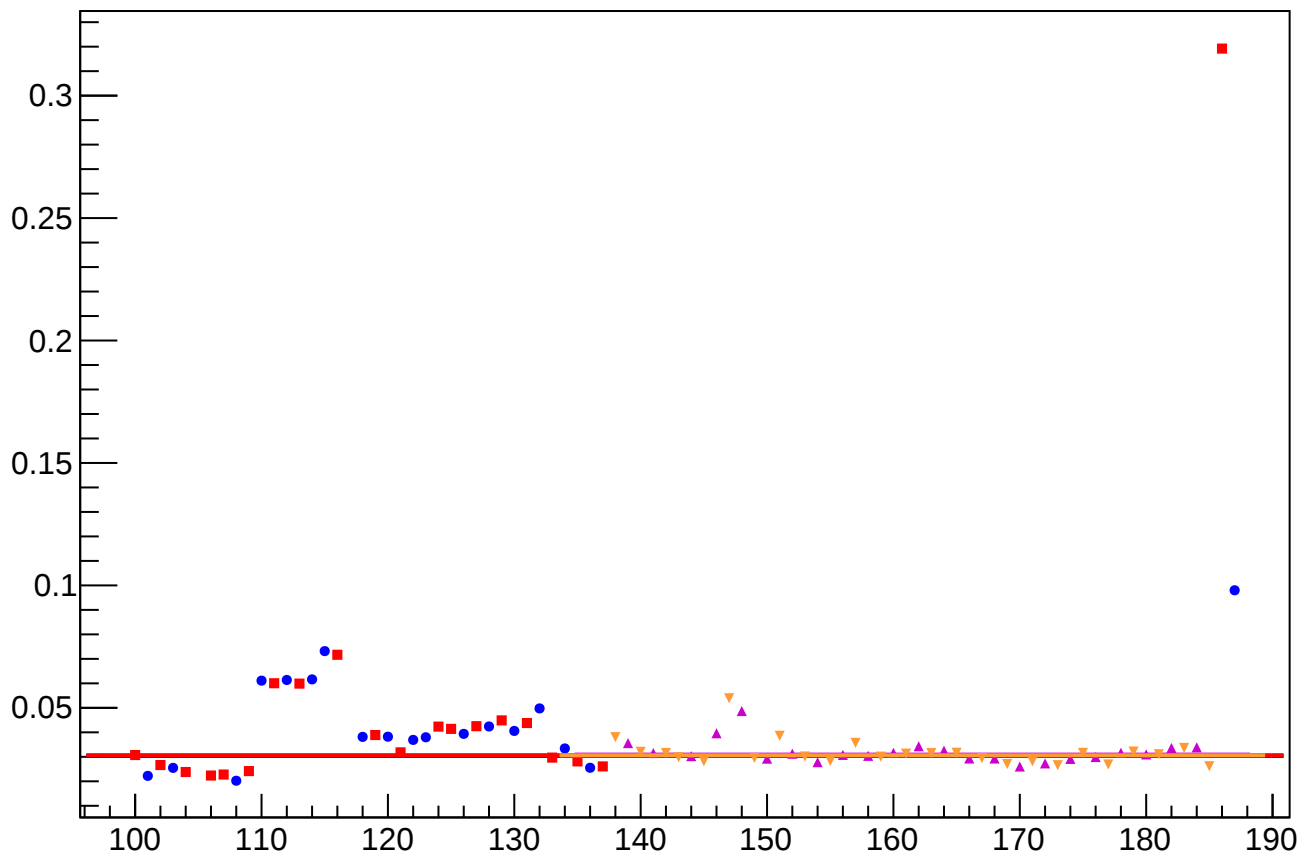
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.293+/-0.000 χ^2/NDF : 29140767214.1/42

All: 18.353+/-0.000 χ^2/NDF : 60043798744.7

- sign 18.415+/-0.000 χ^2/NDF : 30722122179.3/42

yield_sam5_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 1454013.3/17

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 1760460.0/19

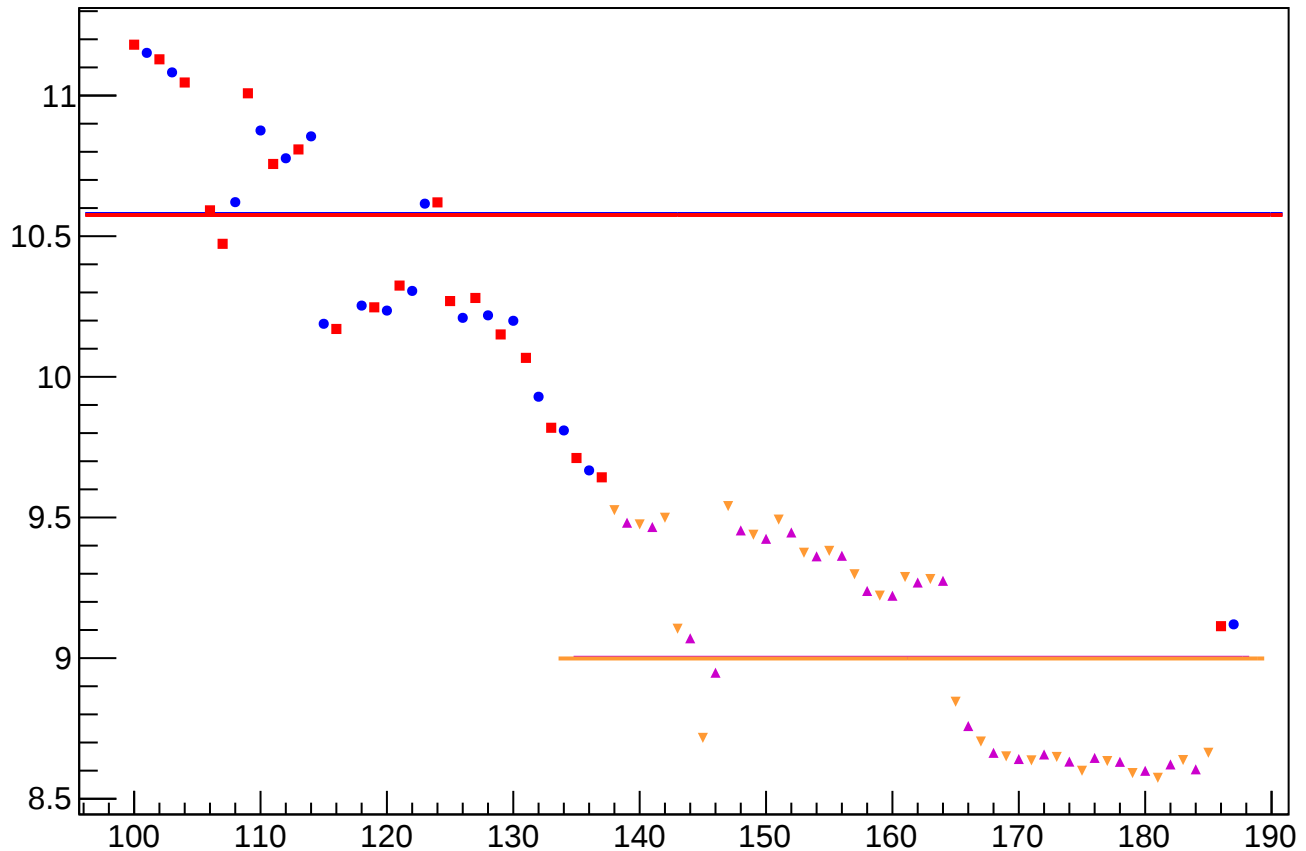
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2045029.4/42

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4261578.7/85

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2214503.5/42

yield_sam6_mean vs Slug



Right In: 10.579 $\pm$ 0.000 χ^2 /NDF: 7612930737.4/17

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.575 $\pm$ 0.000 χ^2 /NDF: 5875181569.9/19

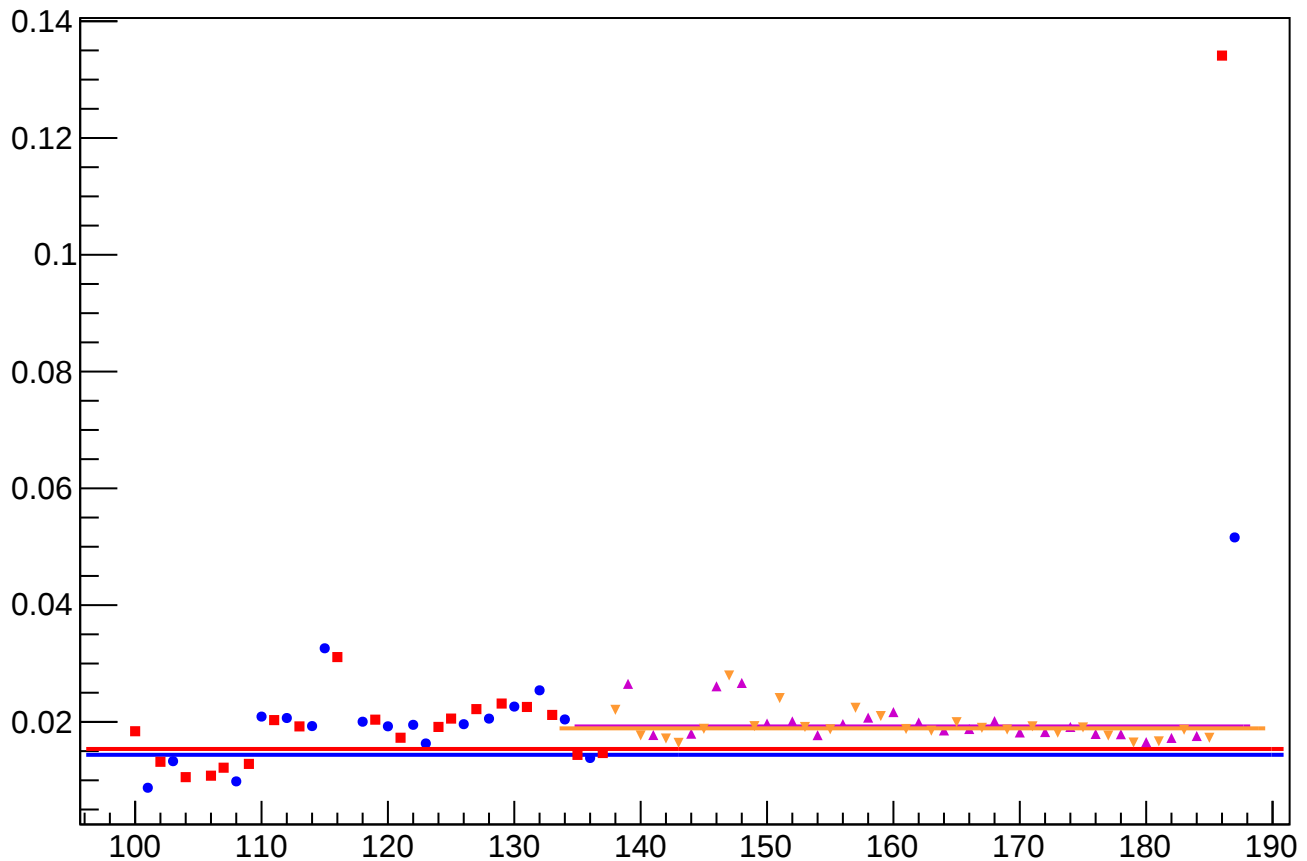
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.563 $\pm$ 0.000 χ^2 /NDF: 55882262816.2/42

All: 9.574 $\pm$ 0.000 χ^2 /NDF: 106451201952.7

- sign 9.585 $\pm$ 0.000 χ^2 /NDF: 50551081718.7/42

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1552960.0/17

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1551720.0/19

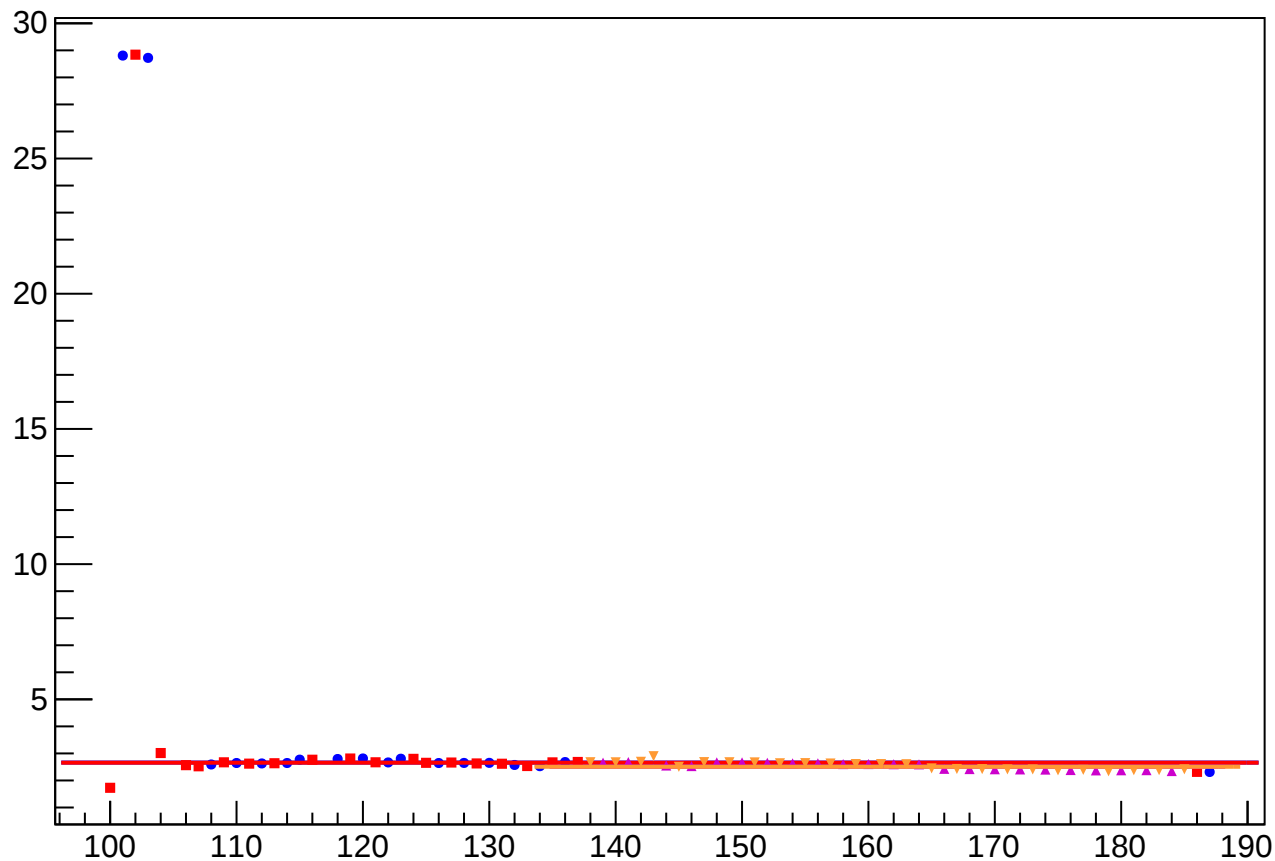
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.017+/-0.000 χ^2/NDF : 2669622.9/42

All: 0.018+/-0.000 χ^2/NDF : 5194358.8/85

- sign 0.018+/-0.000 χ^2/NDF : 2506135.1/42

yield_sam7_mean vs Slug



Right In: 2.662+/-0.000 χ^2/NDF : 163935870848.5/17

Left Out: 2.507+/-0.000 χ^2/NDF : 64277969186.7/24

Right Out: 2.657+/-0.000 χ^2/NDF : 72359130448.6/19

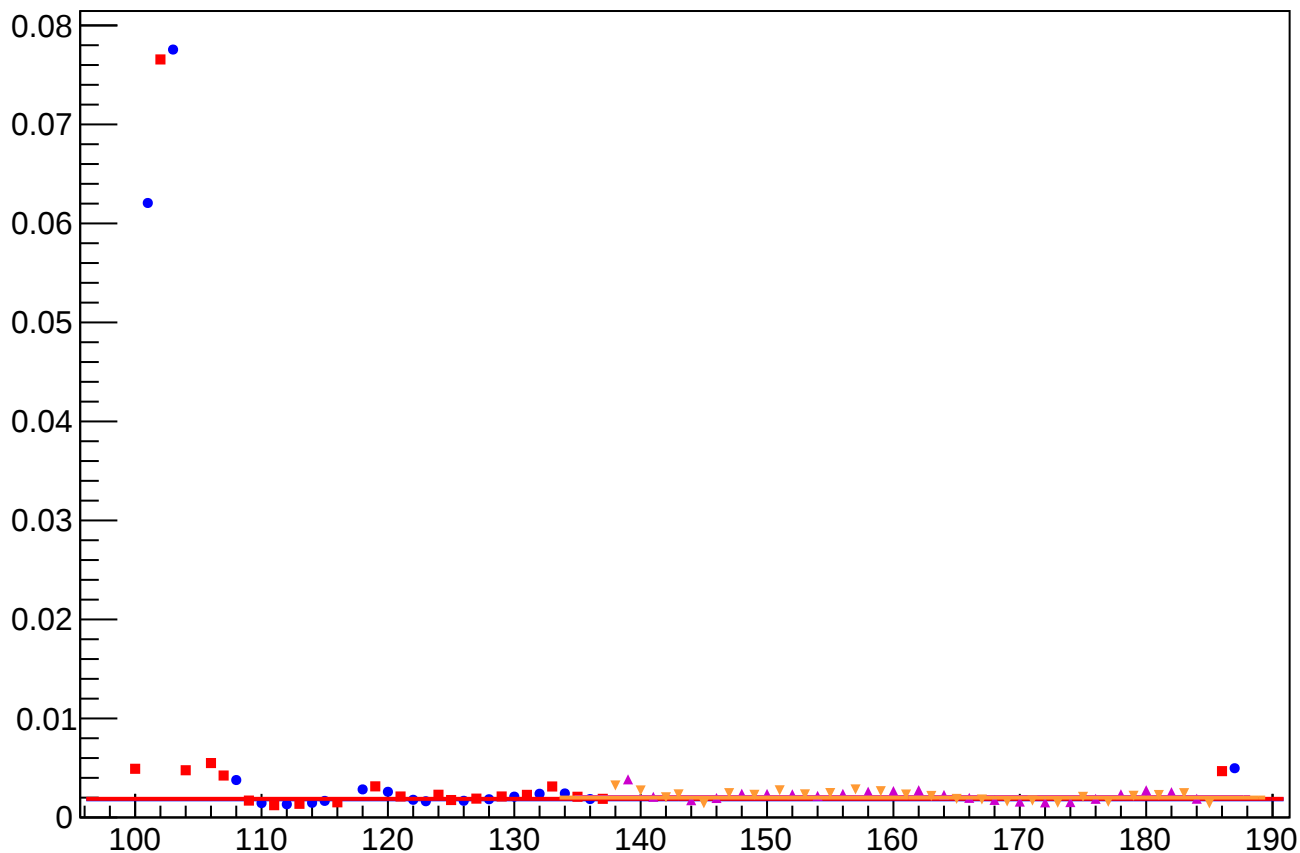
Left In: 2.505+/-0.000 χ^2/NDF : 42893630742.5/22

+ sign 2.549+/-0.000 χ^2/NDF : 252114178572.0/42

All: 2.550+/-0.000 χ^2/NDF : 390269467974.6

- sign 2.551+/-0.000 χ^2/NDF : 138141694764.0/42

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2774648.0/17

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2586137.6/19

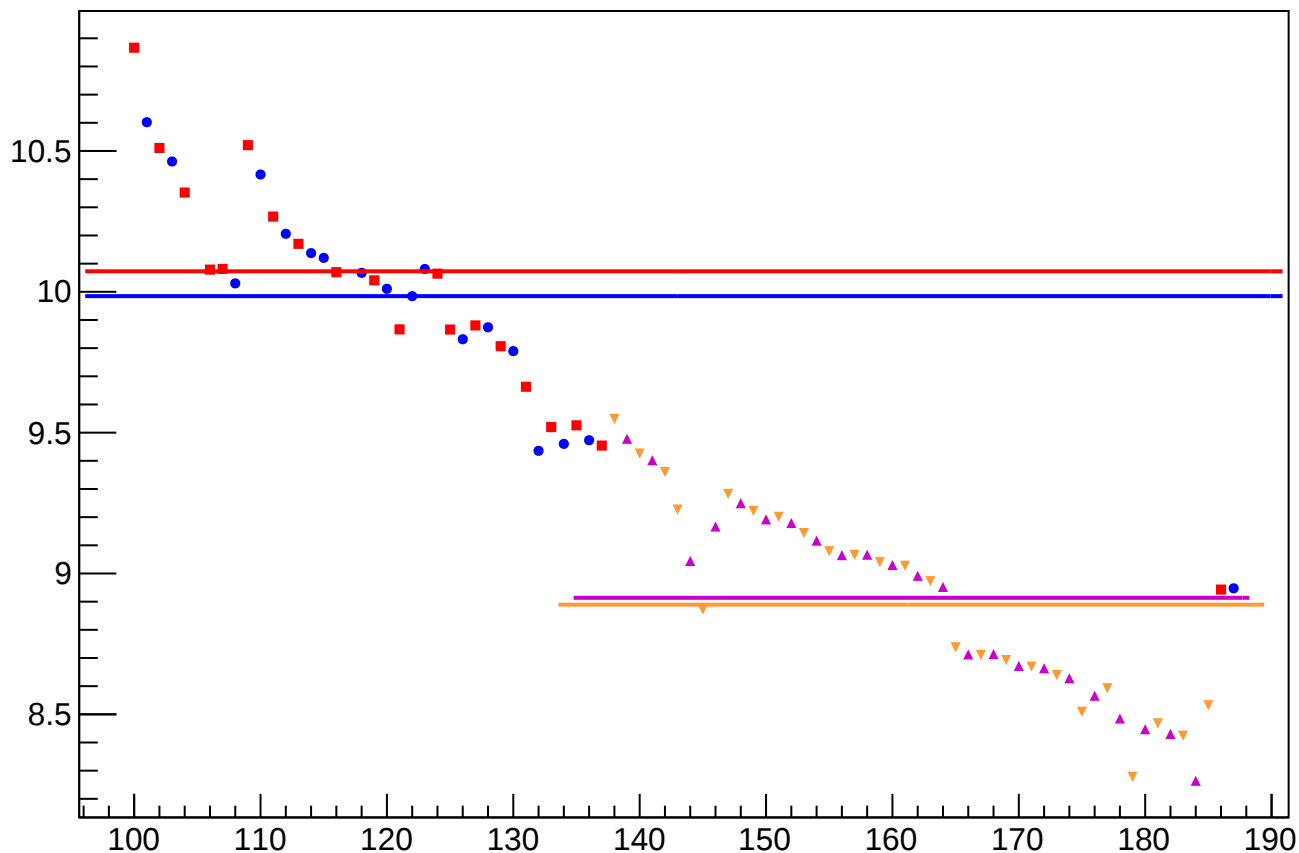
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4304721.9/42

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 8268341.5/85

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3953380.9/42

yield_sam8_mean vs Slug



Right In: 9.985 $\pm$ 0.000 χ^2 /NDF: 19764624599.8/17

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 10.073 $\pm$ 0.000 χ^2 /NDF: 16633305462.7/19

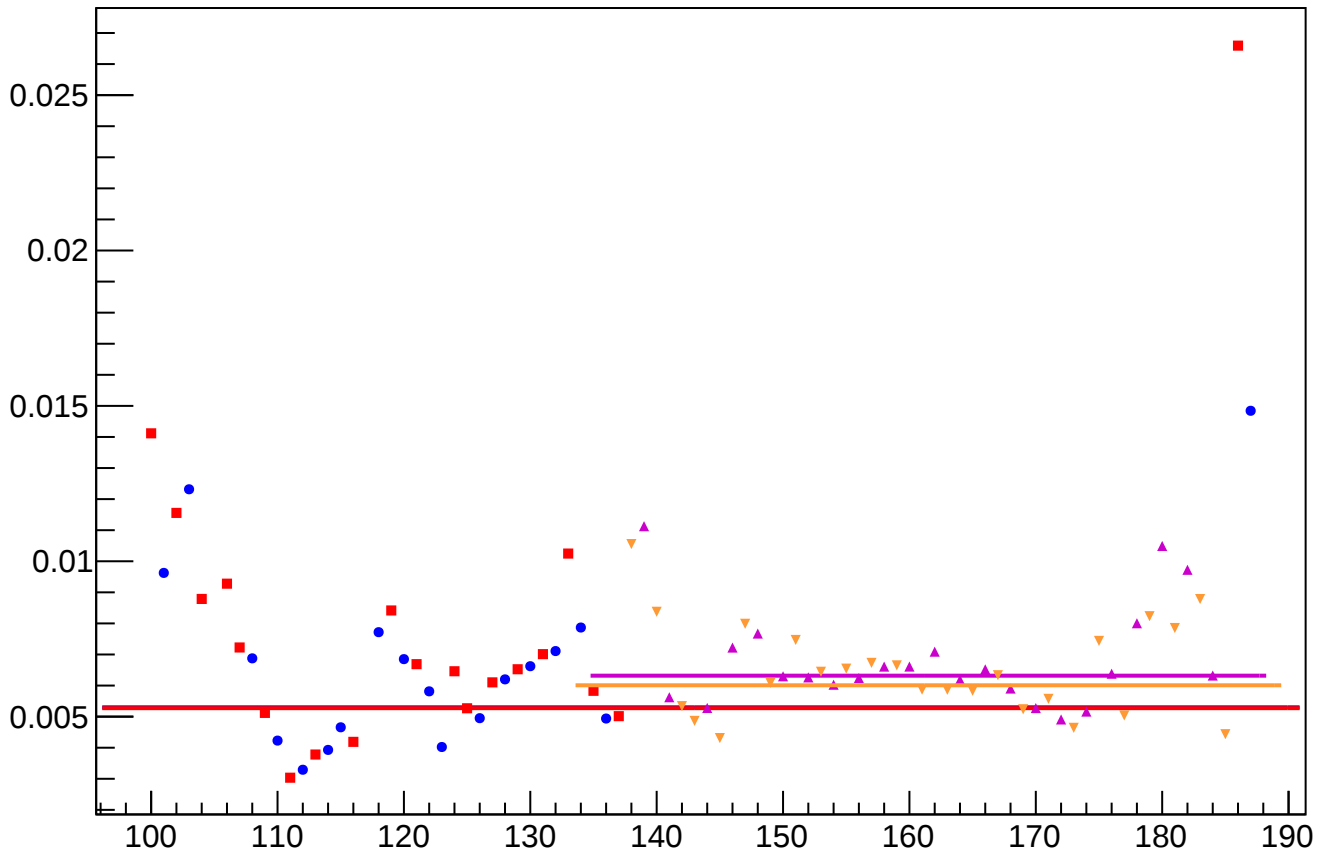
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.230 $\pm$ 0.000 χ^2 /NDF: 204732965781.2/42

All: 9.276 $\pm$ 0.000 χ^2 /NDF: 418788509102.0

- sign 9.326 $\pm$ 0.000 χ^2 /NDF: 211480053998.3/42

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1369409.9/17

Left Out: 0.006+/-0.000 χ^2/NDF :1312525.9/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2132002.4/19

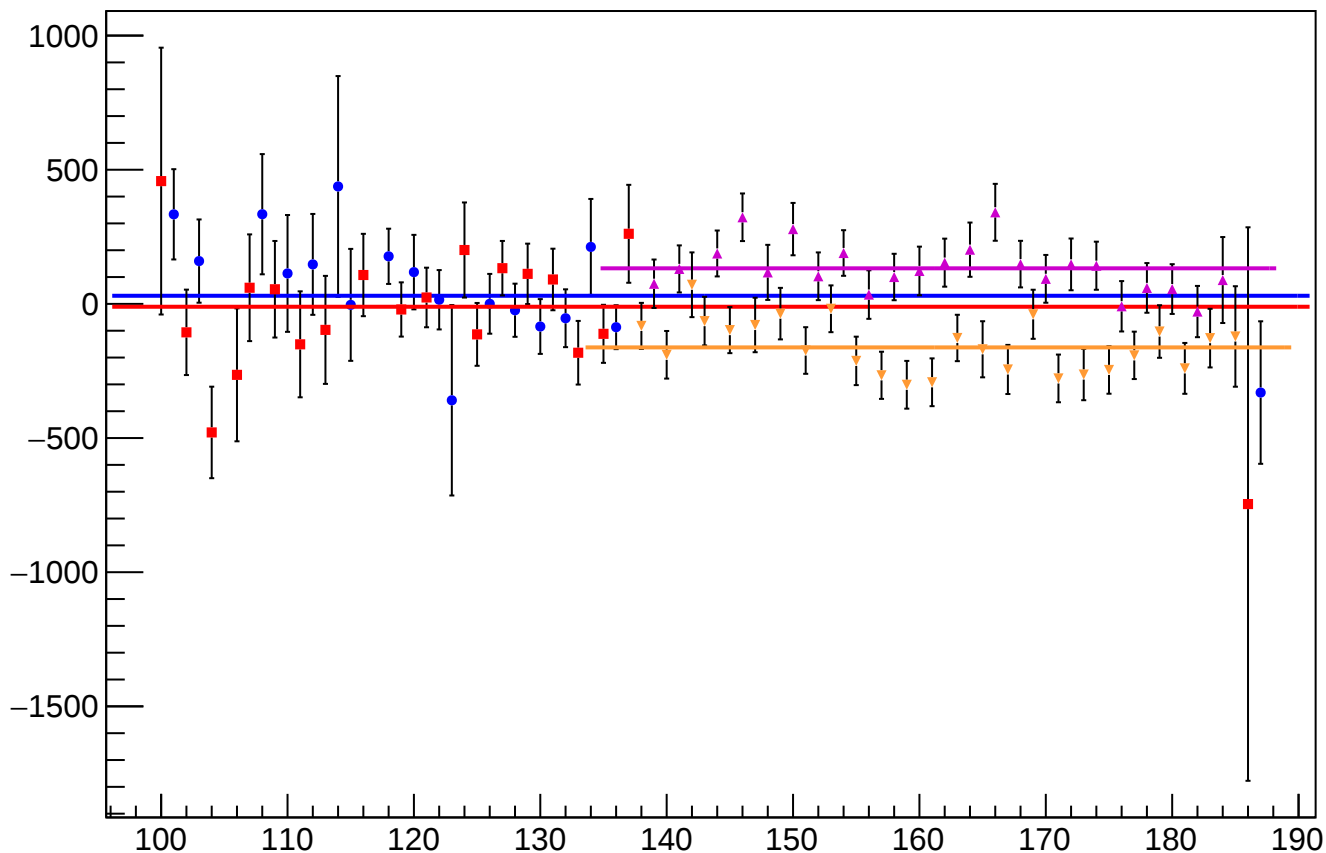
Left In: 0.006+/-0.000 χ^2/NDF :1087051.3/22

+ sign 0.006+/-0.000 χ^2/NDF : 2808507.8/42

All: 0.006+/-0.000 χ^2/NDF : 6312305.2/85

- sign 0.006+/-0.000 χ^2/NDF : 3489732.6/42

reg_asym_sam1_mean vs Slug



Right In: 30.263+/-32.105 χ^2/NDF : 18.2/17

Left Out: -162.161+/-18.745 χ^2/NDF : 25.7/24

Right Out: -10.637+/-32.171 χ^2/NDF : 23.3/19

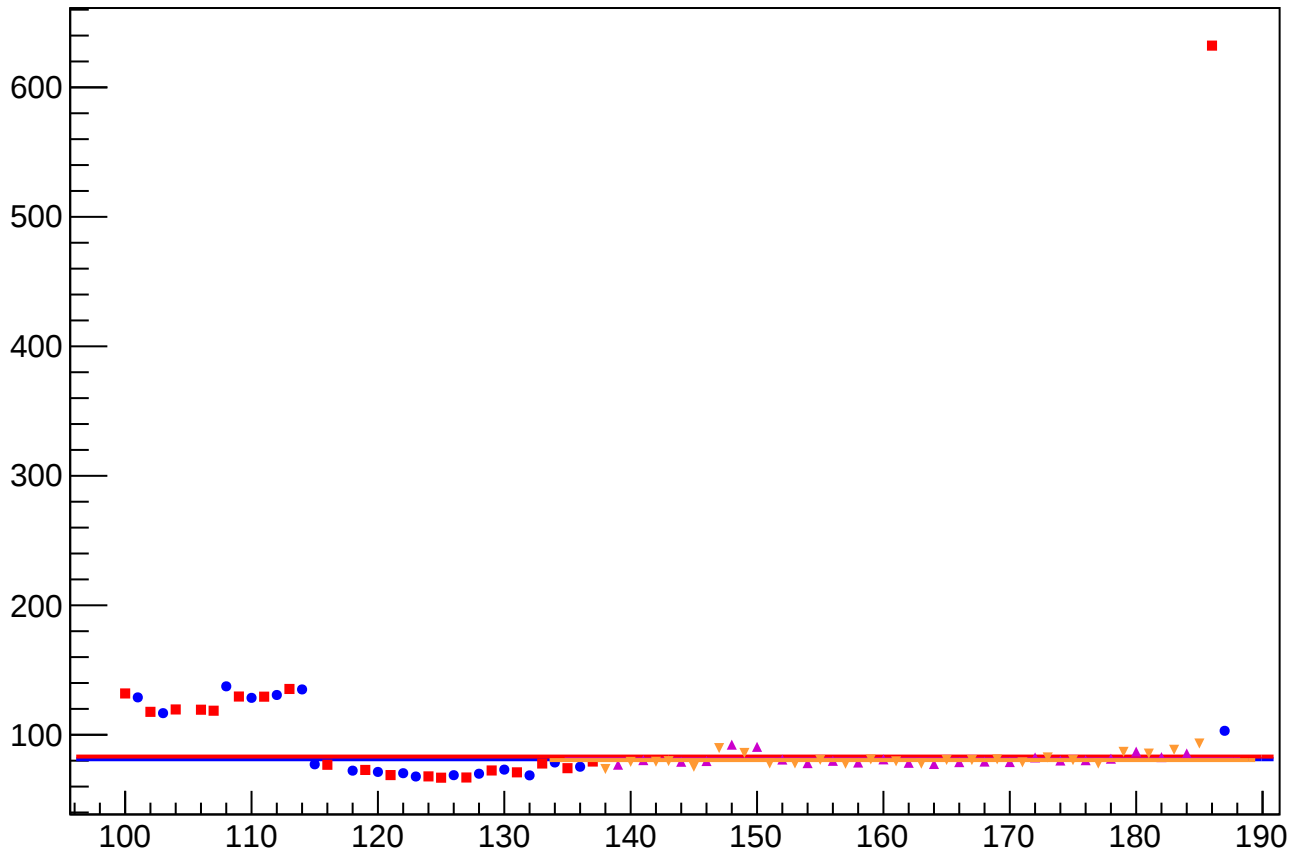
Left In: 132.557+/-19.403 χ^2/NDF : 20.7/22

+ sign -113.241+/-16.188 χ^2/NDF : 70.6/42

All: -12.146+/-11.595 χ^2/NDF : 209.3/85

- sign 94.361+/-16.615 χ^2/NDF : 58.6/42

reg_asym_sam1_rms vs Slug



Right In: 81.107 $\pm$ 0.023 χ^2 /NDF: 821666.5/17

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 83.180 $\pm$ 0.023 χ^2 /NDF: 1475680.0/19

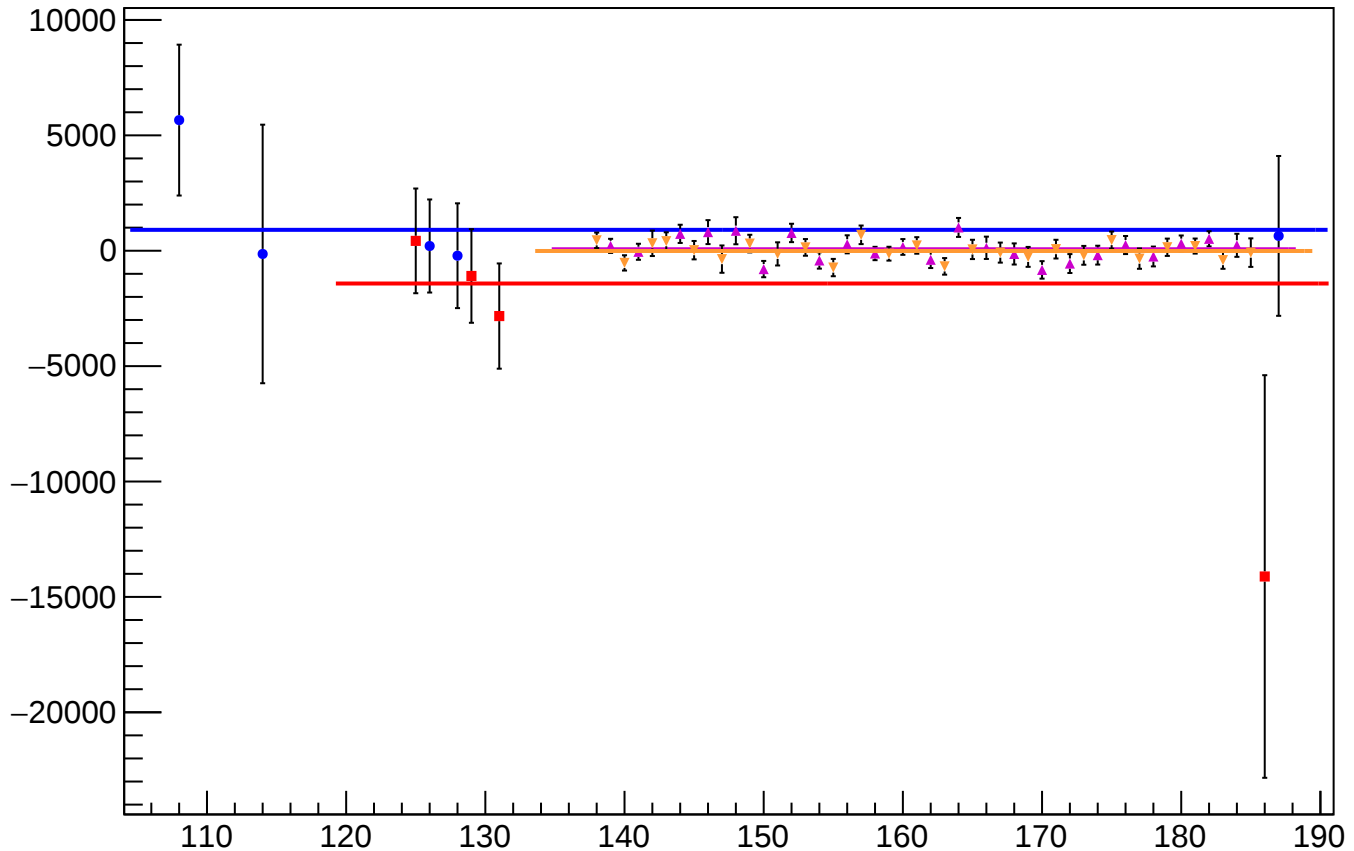
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 80.623 $\pm$ 0.011 χ^2 /NDF: 912216.2/42

All: 81.095 $\pm$ 0.008 χ^2 /NDF: 2470276.3/85

- sign 81.592 $\pm$ 0.012 χ^2 /NDF: 1554576.6/42

asym_sam1_correction_mean vs Slug



Right In: 905.838 ± 1241.497 χ^2/NDF : 2.5/4

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -1419.732 ± 1247.349 χ^2/NDF : 3.2/3

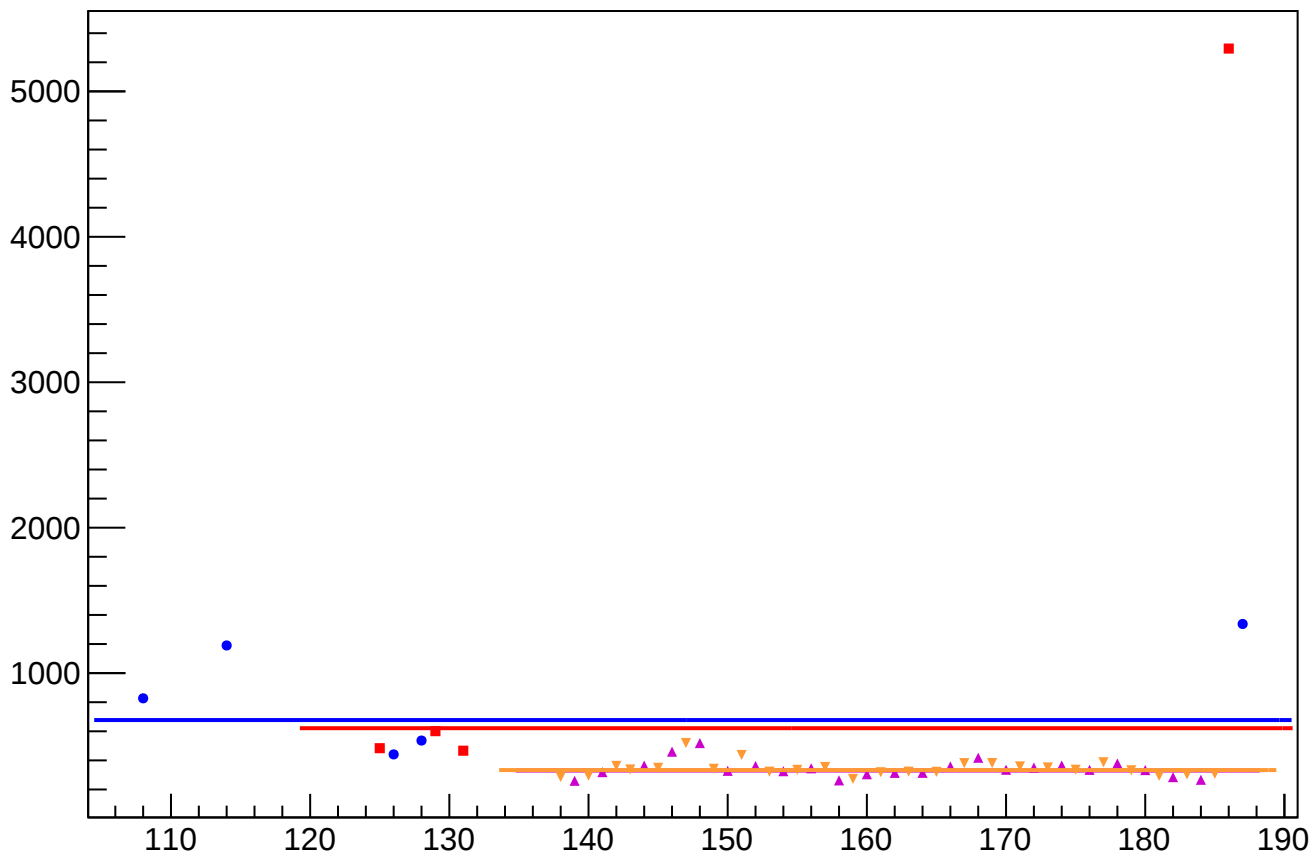
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -6.847 ± 78.235 χ^2/NDF : 25.6/29

All: 25.147 ± 55.894 χ^2/NDF : 68.0/56

- sign 58.503 ± 79.882 χ^2/NDF : 42.0/26

asym_sam1_correction_rms vs Slug



Right In: 677.327+/-0.878 χ^2/NDF : 128842.0/4

Left Out: 333.233+/-0.055 χ^2/NDF : 592122.2/24

Right Out: 621.304+/-0.882 χ^2/NDF : 590757.7/3

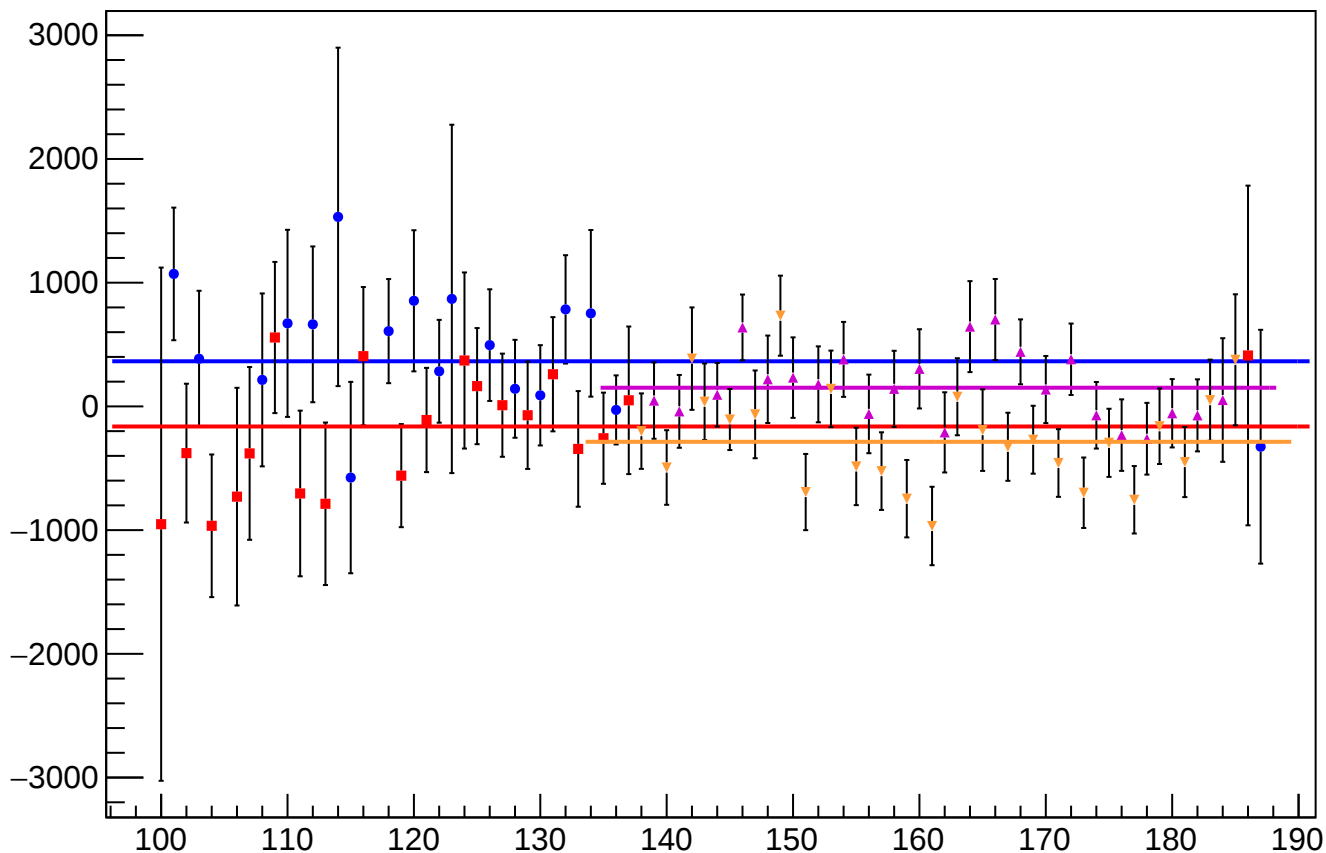
Left In: 329.985+/-0.057 χ^2/NDF : 795969.0/22

+ sign 334.600+/-0.055 χ^2/NDF : 873990.2/29

All: 332.925+/-0.040 χ^2/NDF : 2371231.2/56

- sign 331.180+/-0.056 χ^2/NDF : 1495370.5/26

reg_asym_sam2_mean vs Slug



Right In: 364.700 $\pm$ 120.305 χ^2 /NDF: 10.2/17

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -162.432 $\pm$ 120.266 χ^2 /NDF: 10.3/19

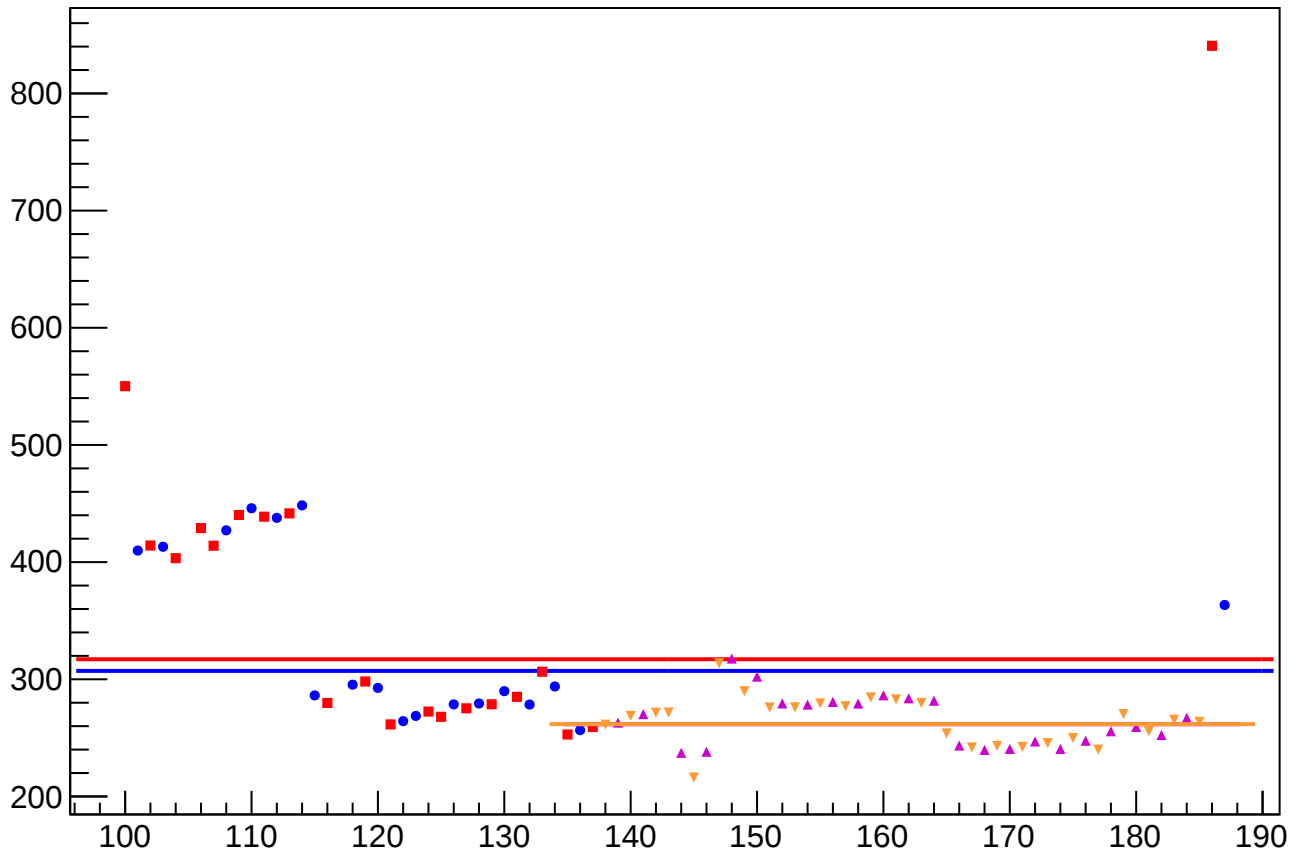
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -152.618 $\pm$ 54.473 χ^2 /NDF: 70.1/42

All: -37.021 $\pm$ 38.938 χ^2 /NDF: 113.6/85

- sign 83.755 $\pm$ 55.680 χ^2 /NDF: 34.3/42

reg_asym_sam2_rms vs Slug



Right In: 307.168+/-0.085 χ^2/NDF : 512297.0/17

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 317.115+/-0.085 χ^2/NDF : 914658.8/19

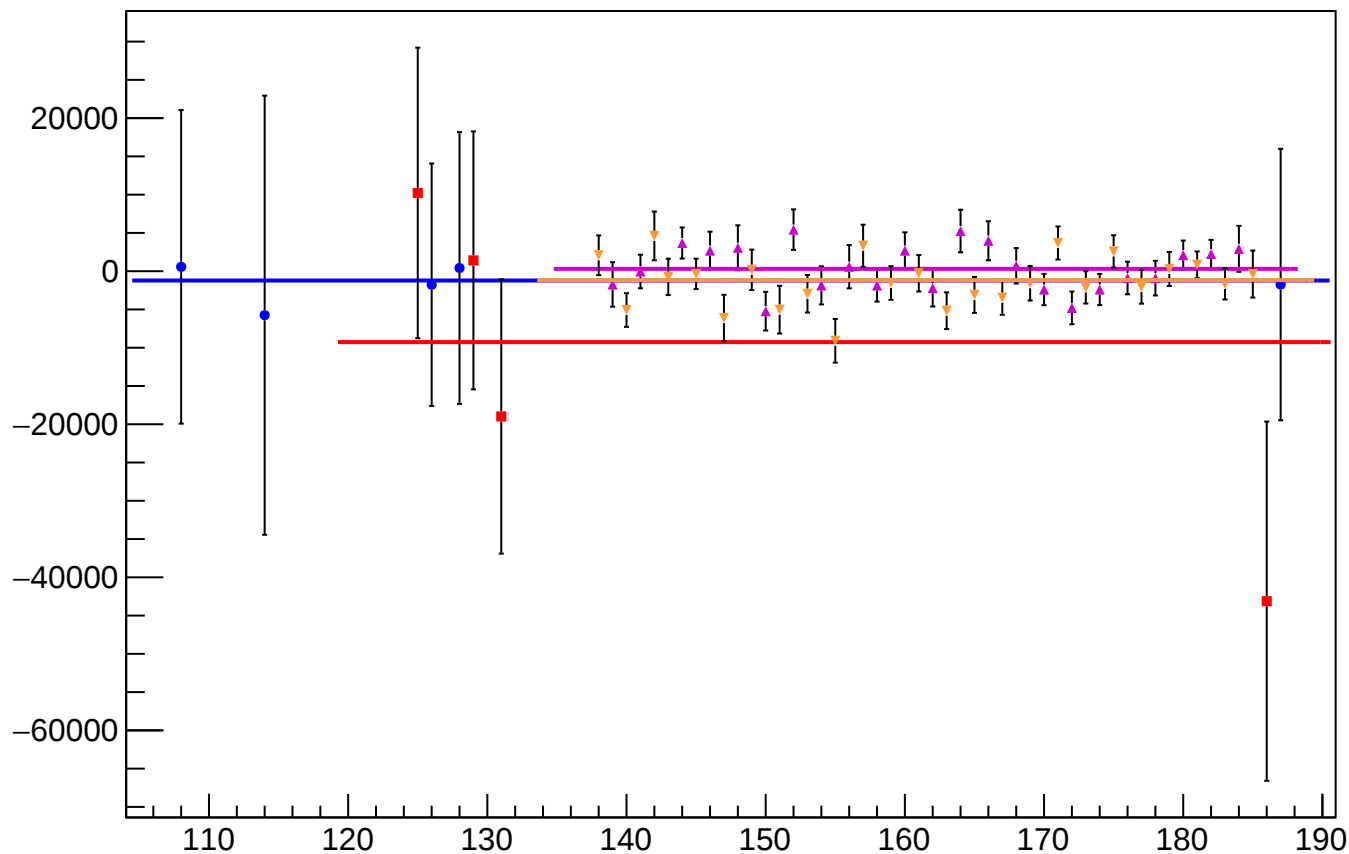
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 271.039+/-0.039 χ^2/NDF : 972408.4/42

All: 272.256+/-0.028 χ^2/NDF : 2451721.9/85

- sign 273.528+/-0.039 χ^2/NDF : 1477271.3/42

asym_sam2_correction_mean vs Slug



Right In: -1215.089 ± 8473.188 $\chi^2/\text{NDF}: 0.0/4$

Left Out: -1161.443 ± 469.036 $\chi^2/\text{NDF}: 38.8/24$

Right Out: -9265.876 ± 9439.536 $\chi^2/\text{NDF}: 3.8/3$

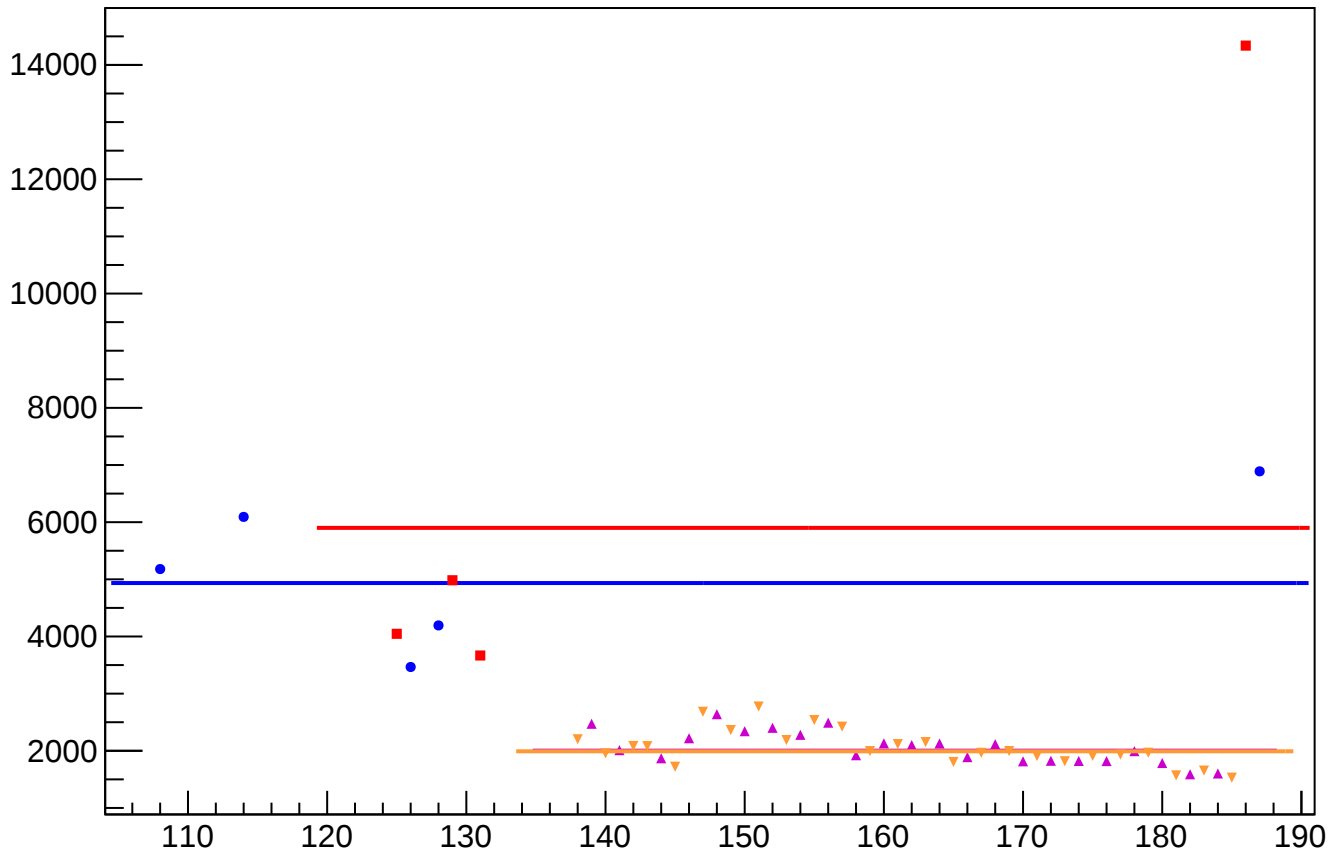
Left In: 304.366 ± 483.778 $\chi^2/\text{NDF}: 35.4/22$

+ sign -1161.606 ± 468.319 $\chi^2/\text{NDF}: 38.8/29$

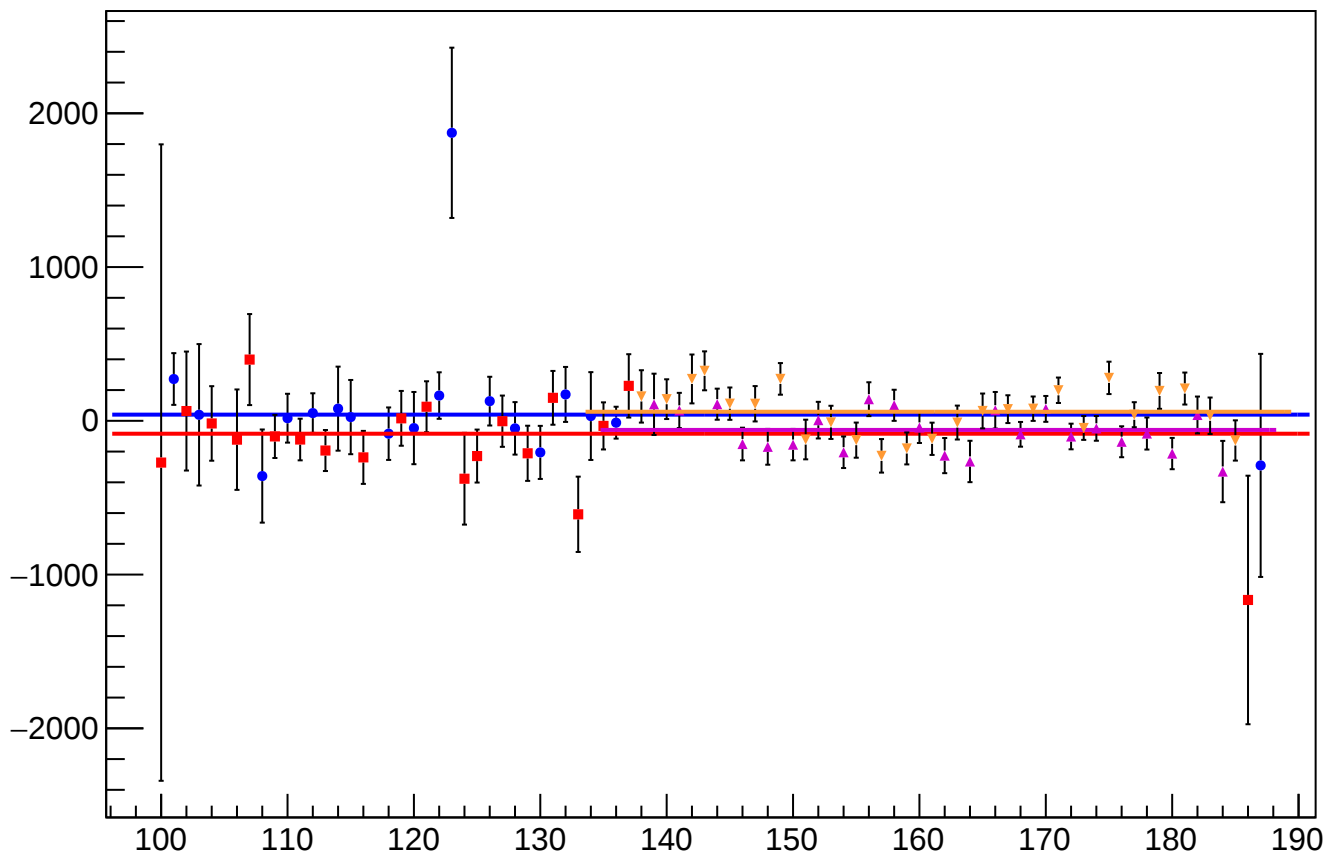
All: -463.601 ± 336.271 $\chi^2/\text{NDF}: 83.6/56$

- sign 279.295 ± 483.144 $\chi^2/\text{NDF}: 40.2/26$

asym_sam2_correction_rms vs Slug



reg_asym_sam3_mean vs Slug



Right In: 40.249 ± 43.554 χ^2/NDF : 19.6/17

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -83.898 ± 43.151 χ^2/NDF : 18.9/19

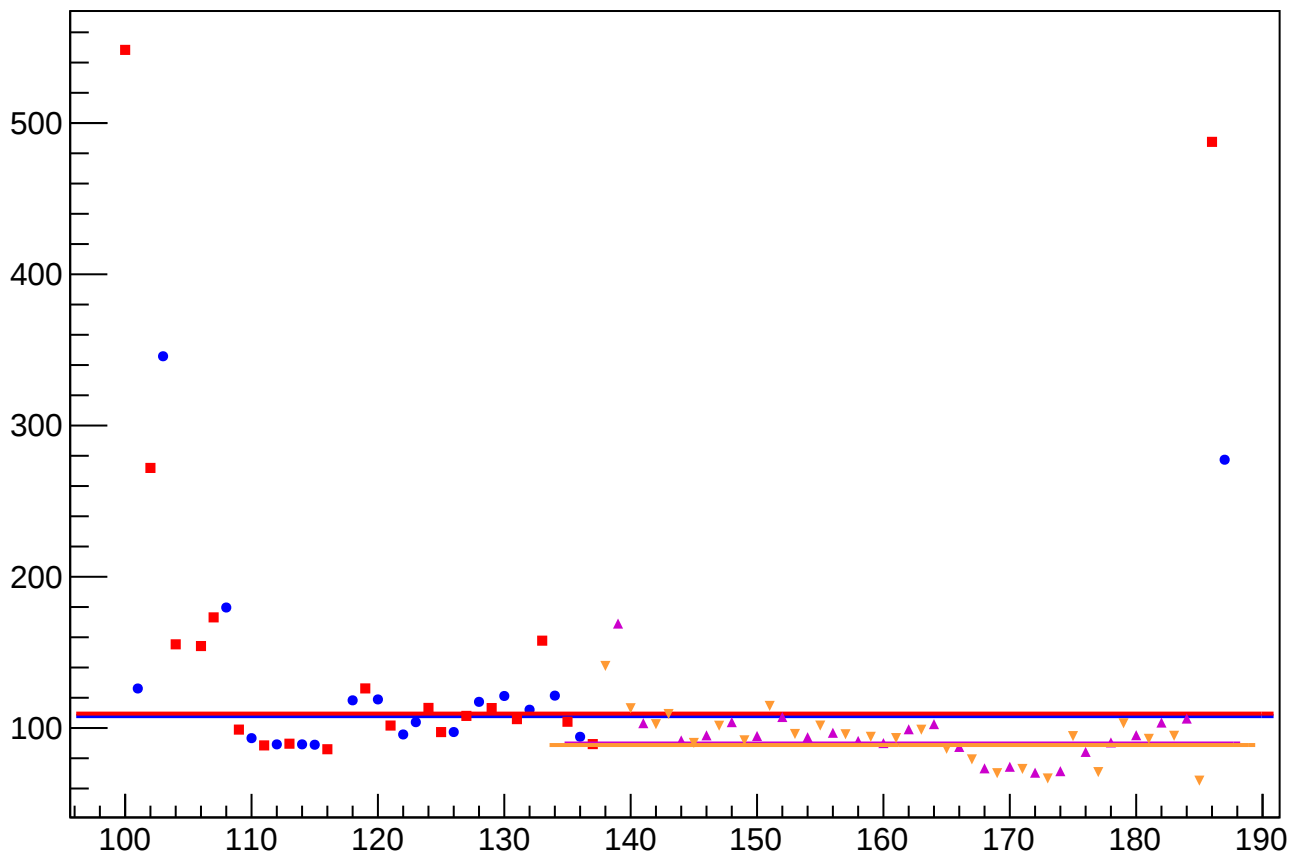
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 55.411 ± 19.016 χ^2/NDF : 66.7/42

All: -2.804 ± 13.629 χ^2/NDF : 134.4/85

- sign -64.294 ± 19.544 χ^2/NDF : 48.5/42

reg_asym_sam3_rms vs Slug



Right In: 107.845 $\pm$ 0.031 χ^2 /NDF: 953152.9/17

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 109.527 $\pm$ 0.031 χ^2 /NDF: 1356208.1/19

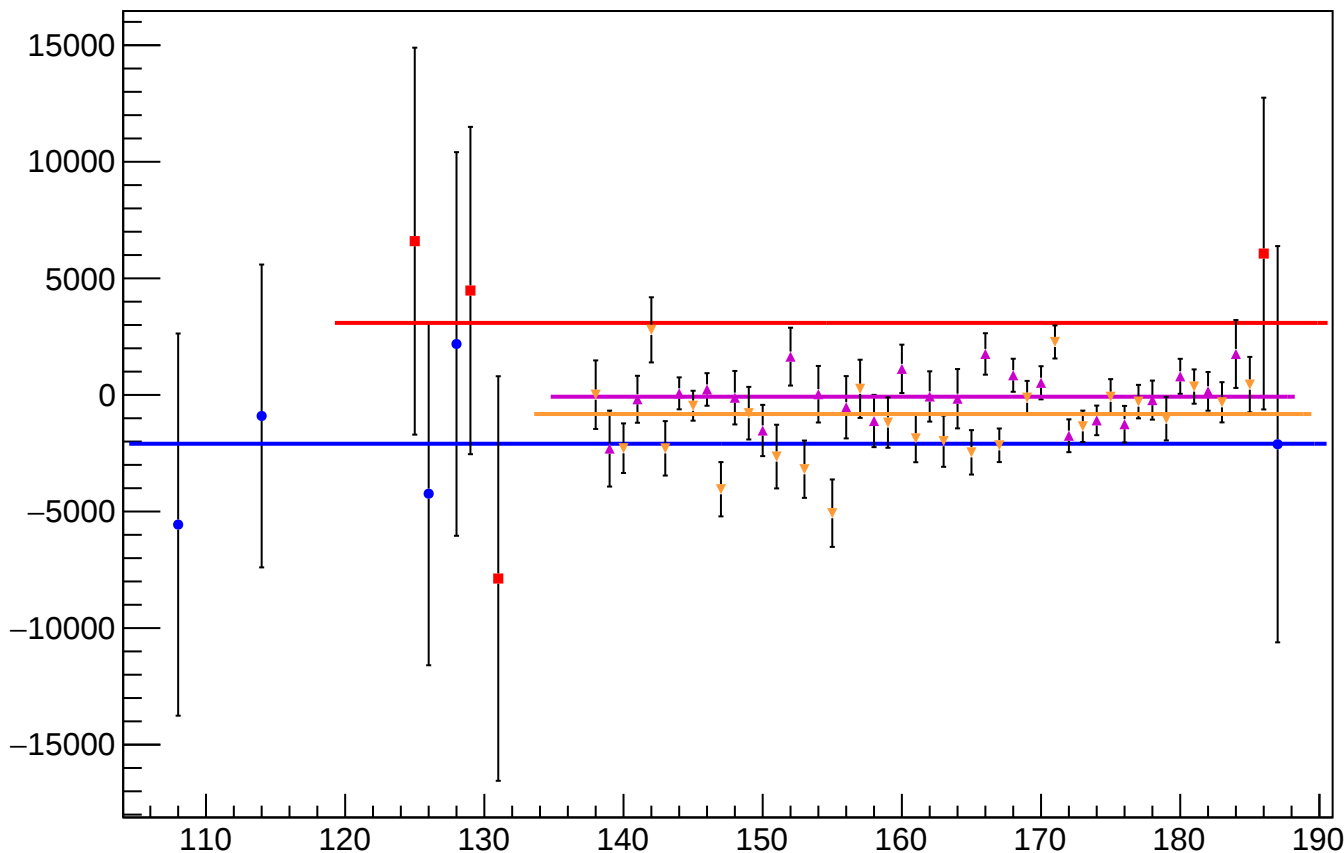
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 92.389 $\pm$ 0.013 χ^2 /NDF: 2343683.5/42

All: 93.084 $\pm$ 0.010 χ^2 /NDF: 4924615.7/85

- sign 93.819 $\pm$ 0.014 χ^2 /NDF: 2575425.3/42

asym_sam3_correction_mean vs Slug



Right In: -2093.366 ± 3416.354 χ^2/NDF : 0.6/4

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: 3089.101 ± 3766.833 χ^2/NDF : 2.0/3

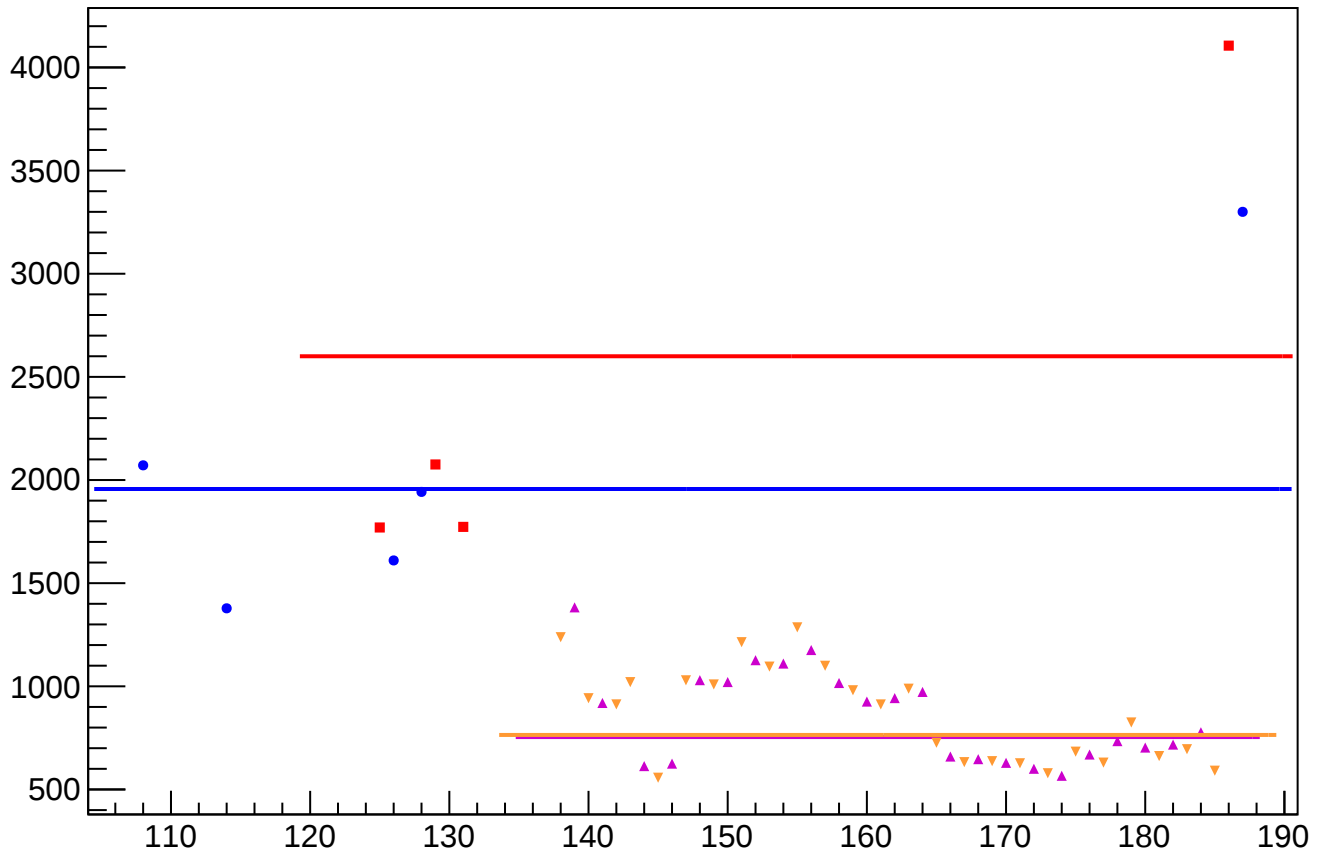
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -822.581 ± 184.196 χ^2/NDF : 68.9/29

All: -450.047 ± 131.026 χ^2/NDF : 108.2/56

- sign -68.451 ± 186.422 χ^2/NDF : 31.0/26

asym_sam3_correction_rms vs Slug



Right In: 1956.504 $\pm$ 2.416 χ^2 /NDF: 70686.2/4

Left Out: 764.280 $\pm$ 0.130 χ^2 /NDF: 2315985.8/24

Right Out: 2599.953 $\pm$ 2.664 χ^2 /NDF: 150804.4/3

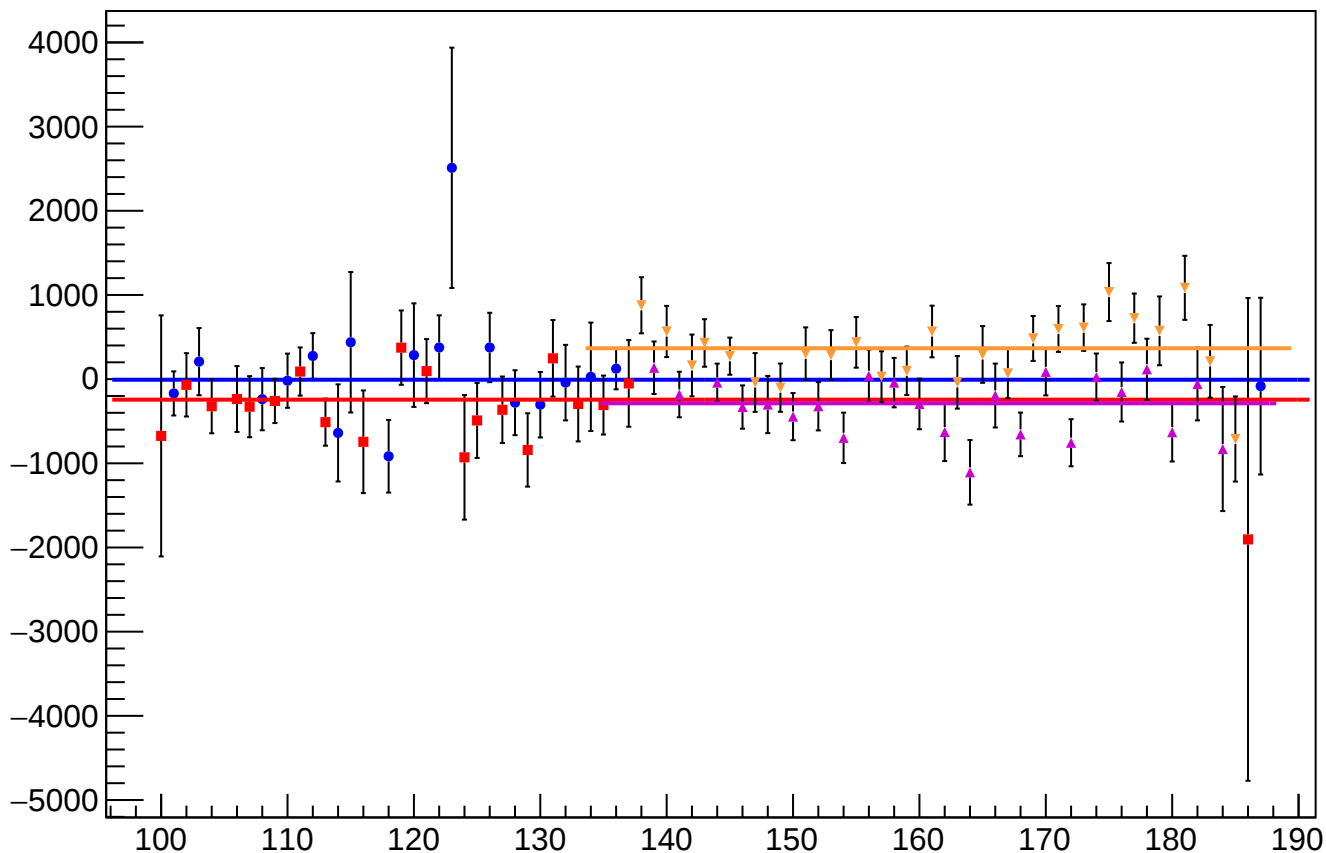
Left In: 754.027 $\pm$ 0.132 χ^2 /NDF: 2013386.7/22

+ sign 767.745 $\pm$ 0.130 χ^2 /NDF: 2629532.0/29

All: 763.202 $\pm$ 0.093 χ^2 /NDF: 5275302.8/56

- sign 758.548 $\pm$ 0.132 χ^2 /NDF: 2643307.5/26

reg_asym_sam4_mean vs Slug



Right In: -7.098 ± 93.094 χ^2/NDF : 14.7/17

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -243.849 ± 89.065 χ^2/NDF : 11.0/19

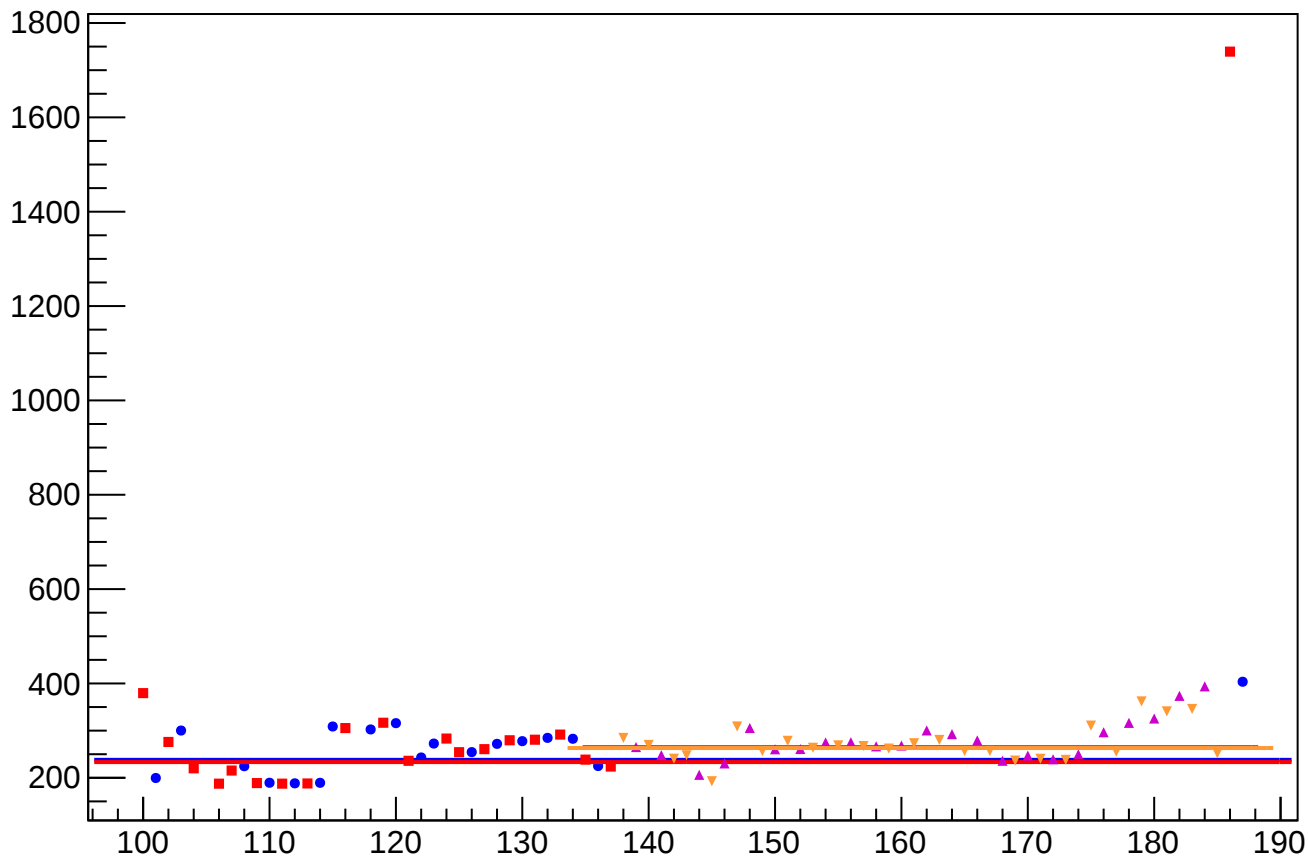
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 252.218 ± 51.570 χ^2/NDF : 54.1/42

All: -7.684 ± 36.634 χ^2/NDF : 140.4/85

- sign -272.426 ± 52.048 χ^2/NDF : 35.0/42

reg_asym_sam4_rms vs Slug



Right In: 238.061+/-0.066 χ^2/NDF : 440131.1/17

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 233.308+/-0.063 χ^2/NDF : 997301.3/19

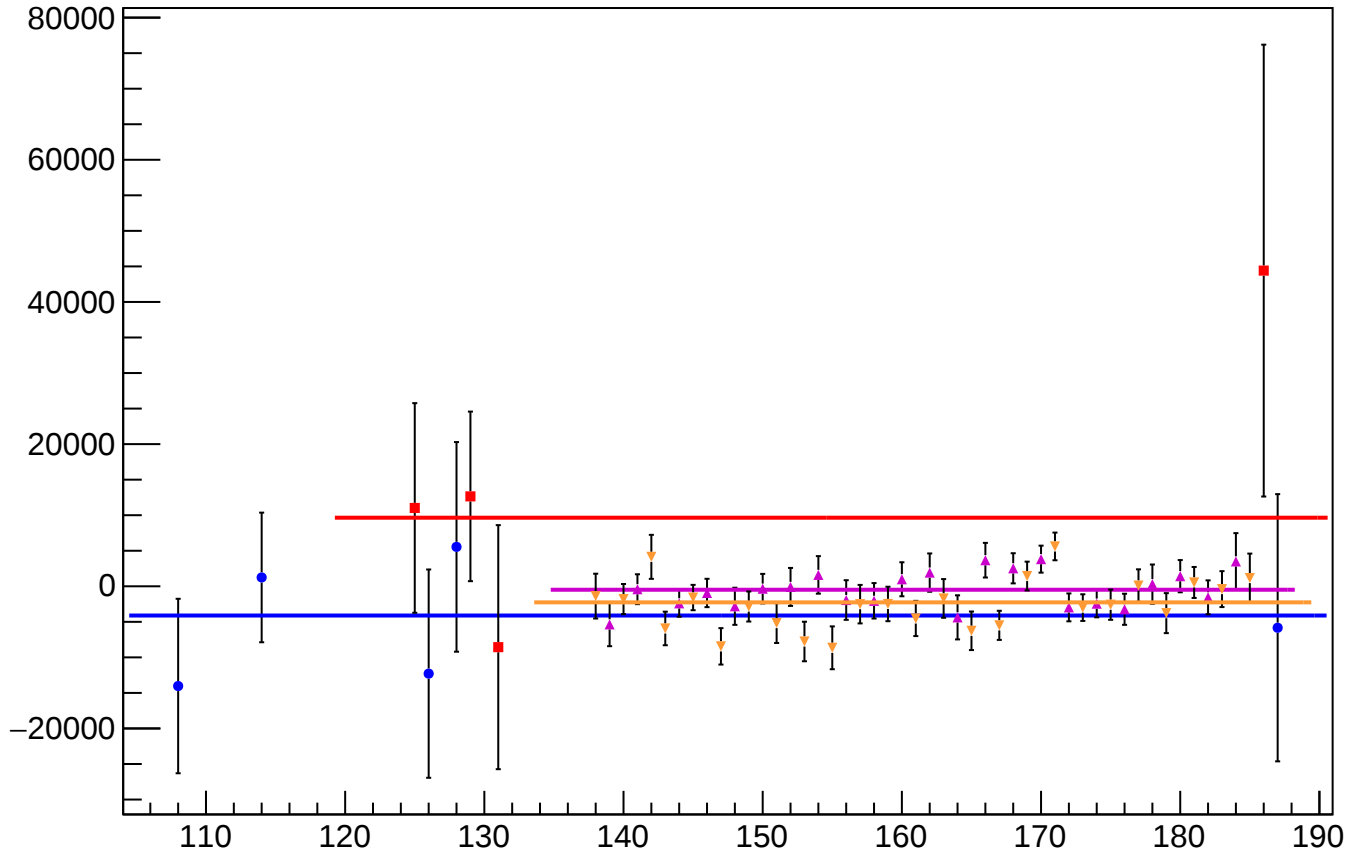
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 255.418+/-0.036 χ^2/NDF : 1182663.9/42

All: 254.778+/-0.026 χ^2/NDF : 2955558.4/85

- sign 254.126+/-0.037 χ^2/NDF : 1772272.4/42

asym_sam4_correction_mean vs Slug



Right In: -4111.567 ± 5702.410 $\chi^2/\text{NDF}: 1.7/4$

Left Out: -2260.196 ± 475.336 $\chi^2/\text{NDF}: 52.3/24$

Right Out: 9649.514 ± 7902.495 $\chi^2/\text{NDF}: 2.4/3$

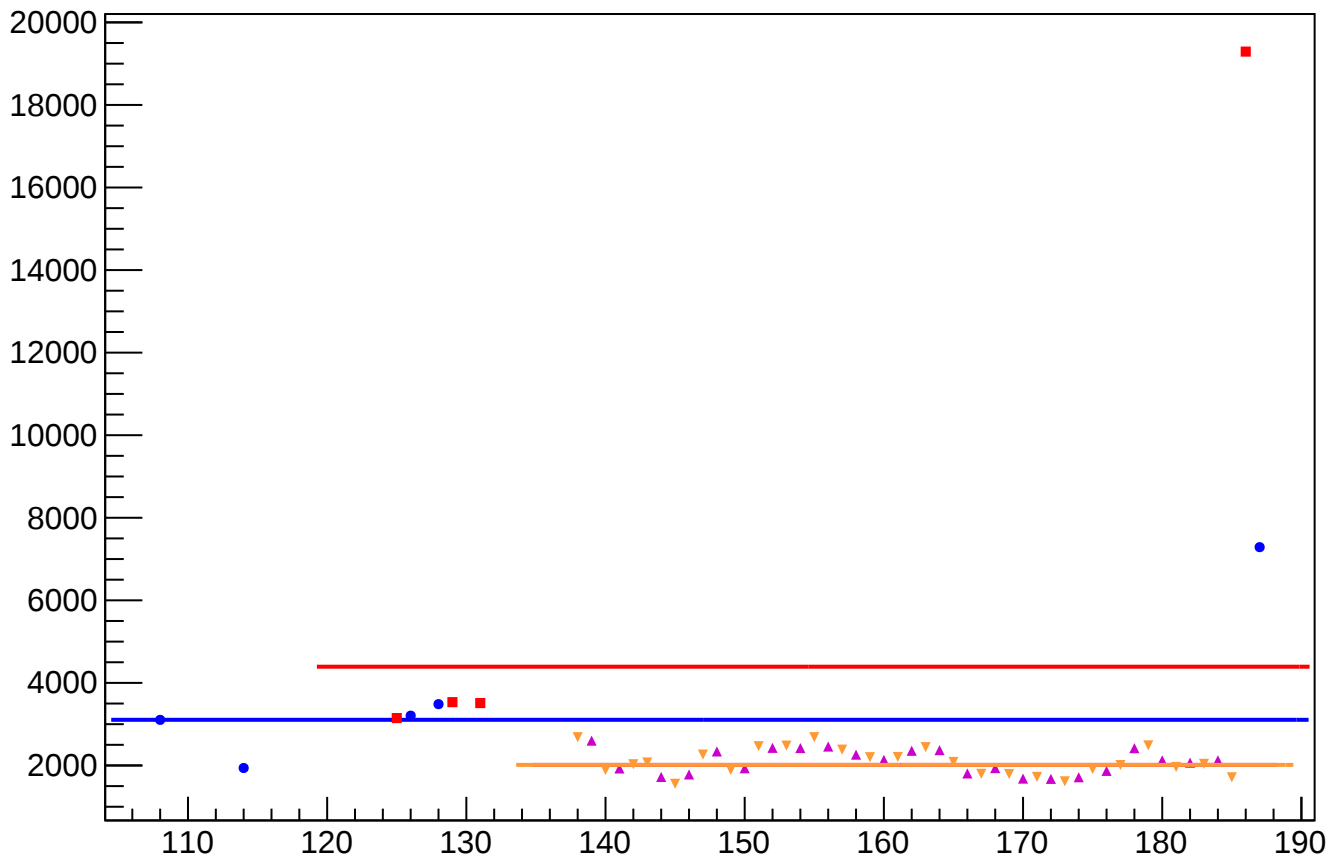
Left In: -485.590 ± 487.465 $\chi^2/\text{NDF}: 24.8/22$

+ sign -2272.972 ± 473.693 $\chi^2/\text{NDF}: 54.2/29$

All: -1384.496 ± 339.403 $\chi^2/\text{NDF}: 90.2/56$

- sign -447.172 ± 486.541 $\chi^2/\text{NDF}: 28.8/26$

asym_sam4_correction_rms vs Slug



Right In: 3106.025+/-4.032 χ^2/NDF : 133208.8/4

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4392.298+/-5.588 χ^2/NDF : 469419.8/3

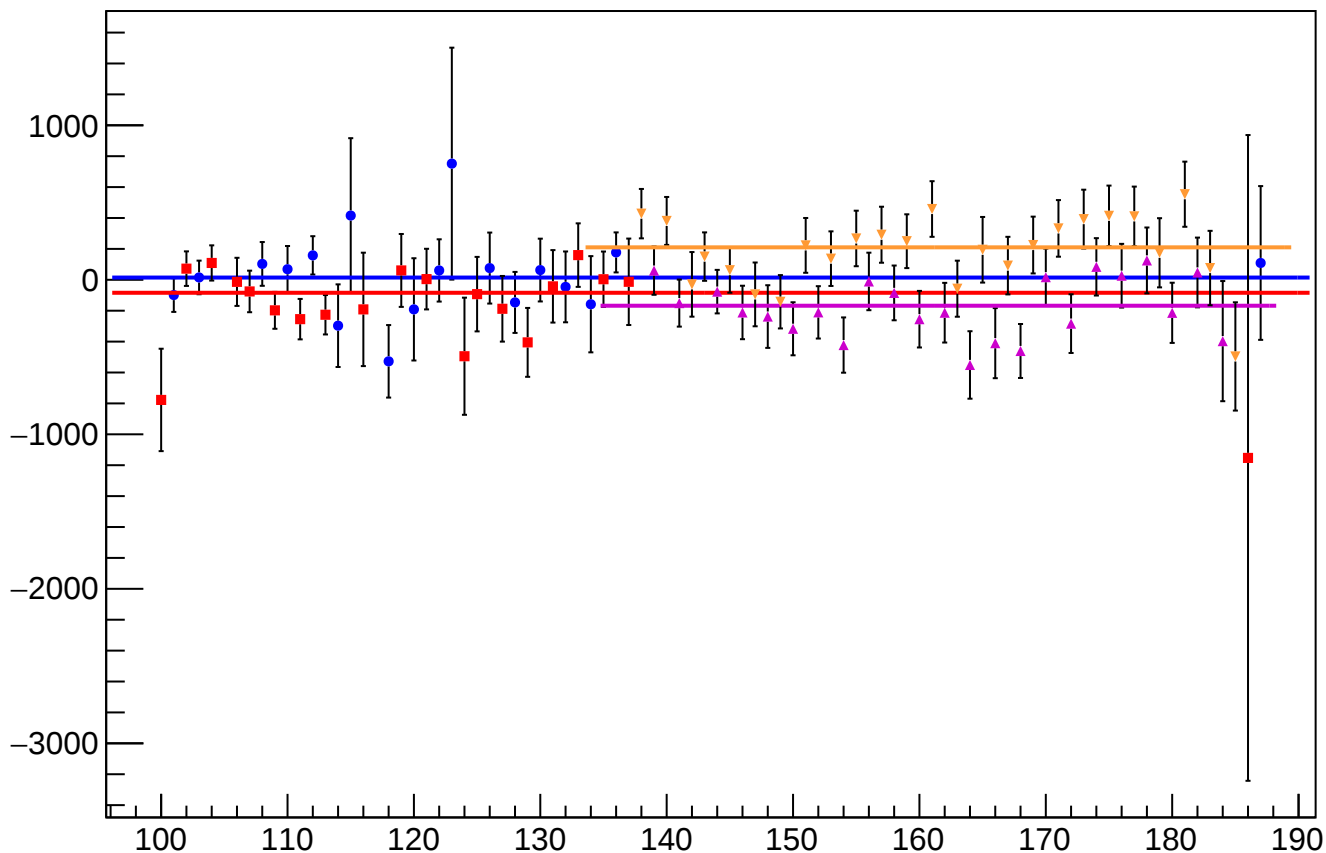
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2021.640+/-0.335 χ^2/NDF : 1041691.8/29

All: 2021.944+/-0.240 χ^2/NDF : 2353767.2/56

- sign 2022.263+/-0.344 χ^2/NDF : 1312073.7/26

reg_asym_sam5_mean vs Slug



Right In: 14.537 ± 42.211 χ^2/NDF : 14.5/17

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -84.016 ± 39.030 χ^2/NDF : 19.4/19

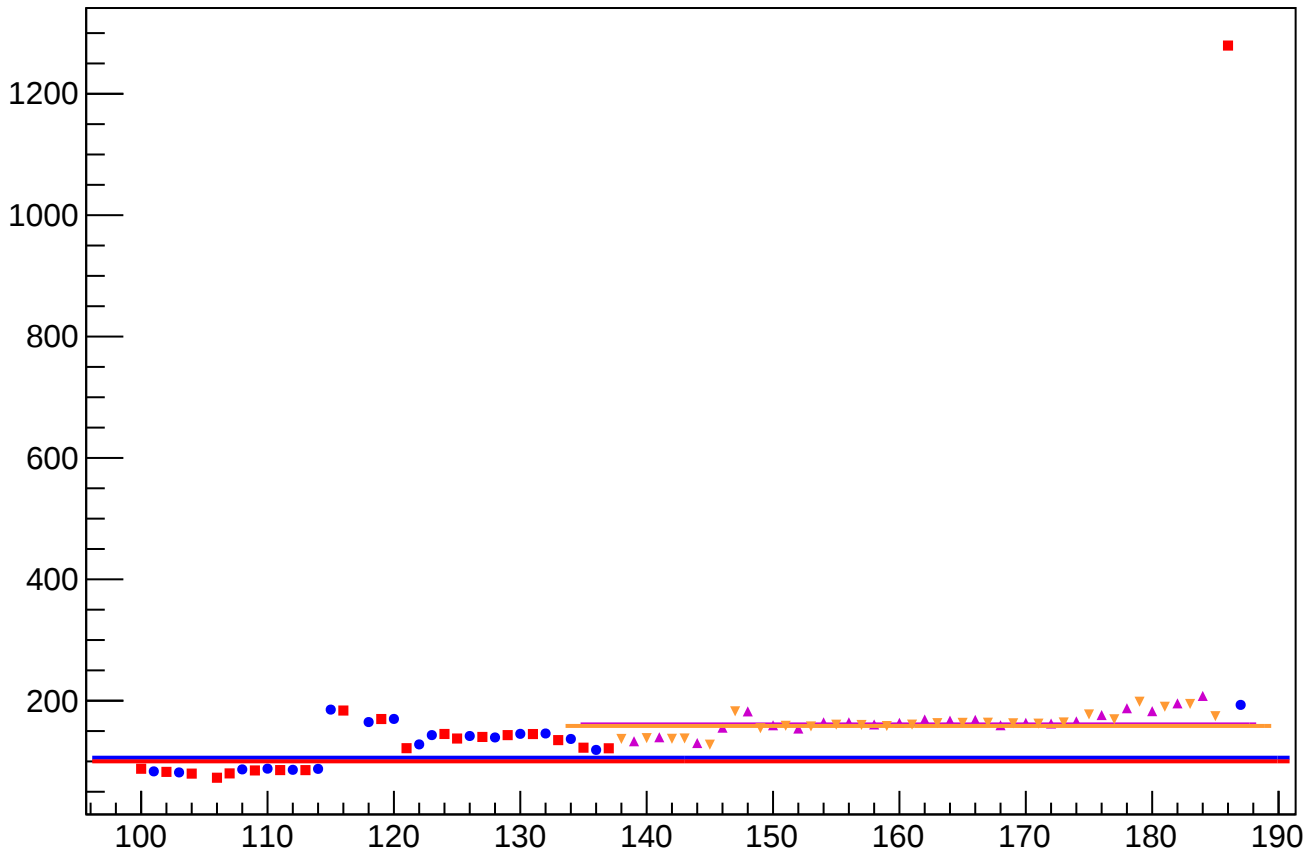
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 124.878 ± 27.864 χ^2/NDF : 54.1/42

All: -2.396 ± 19.568 χ^2/NDF : 138.1/85

- sign -126.256 ± 27.487 χ^2/NDF : 42.9/42

reg_asym_sam5_rms vs Slug



Right In: 106.101 $\pm$ 0.030 χ^2 /NDF: 931925.2/17

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 100.106 $\pm$ 0.028 χ^2 /NDF: 1637917.5/19

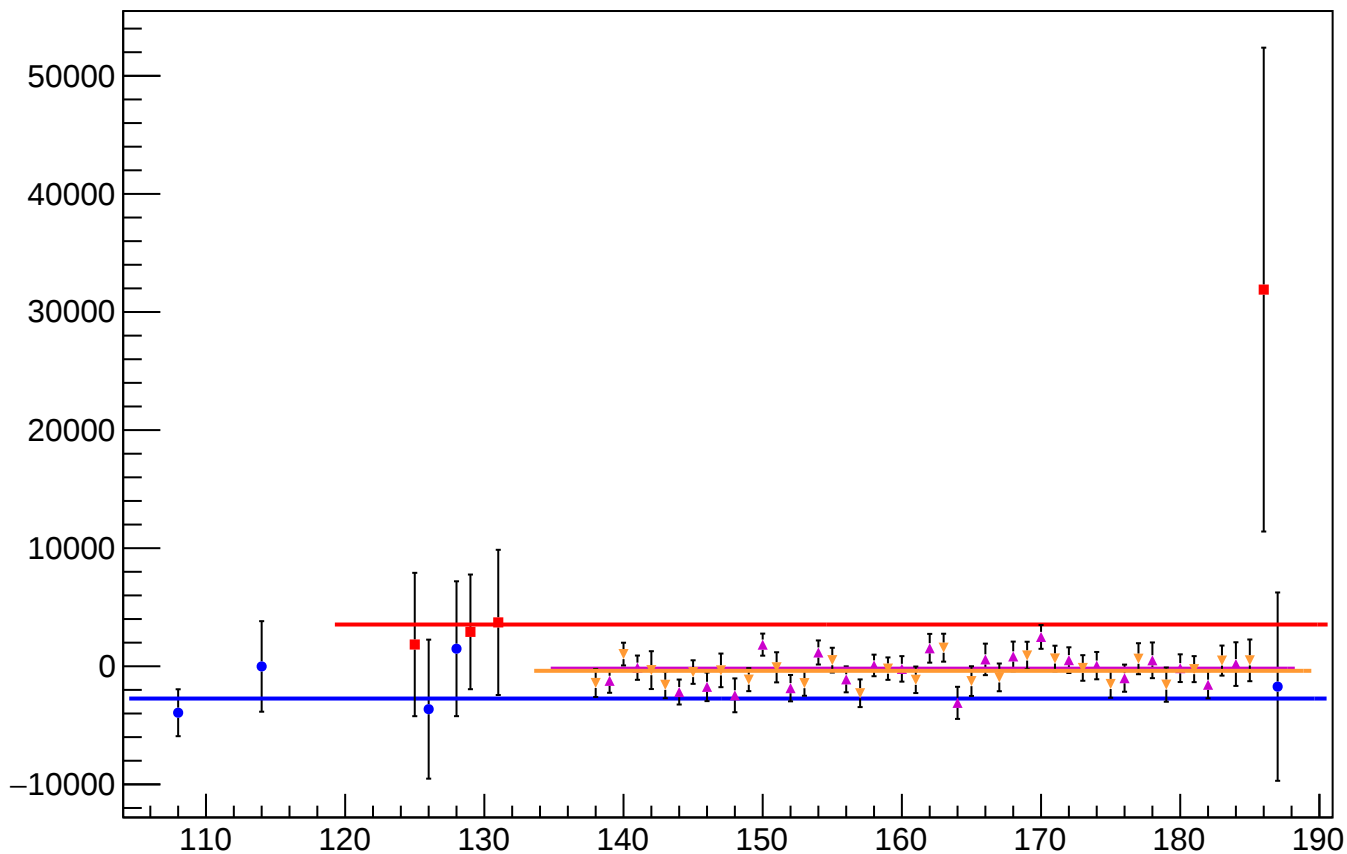
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.634 $\pm$ 0.020 χ^2 /NDF: 3101276.4/42

All: 133.170 $\pm$ 0.014 χ^2 /NDF: 7599245.5/85

- sign 130.771 $\pm$ 0.019 χ^2 /NDF: 4467092.3/42

asym_sam5_correction_mean vs Slug



Right In: -2732.874+/-1587.923 χ^2 /NDF: 1.5/4

Left Out: -385.018+/-231.833 χ^2 /NDF:18.1/24

Right Out: 3535.466+/-3187.767 χ^2 /NDF: 2.0/3

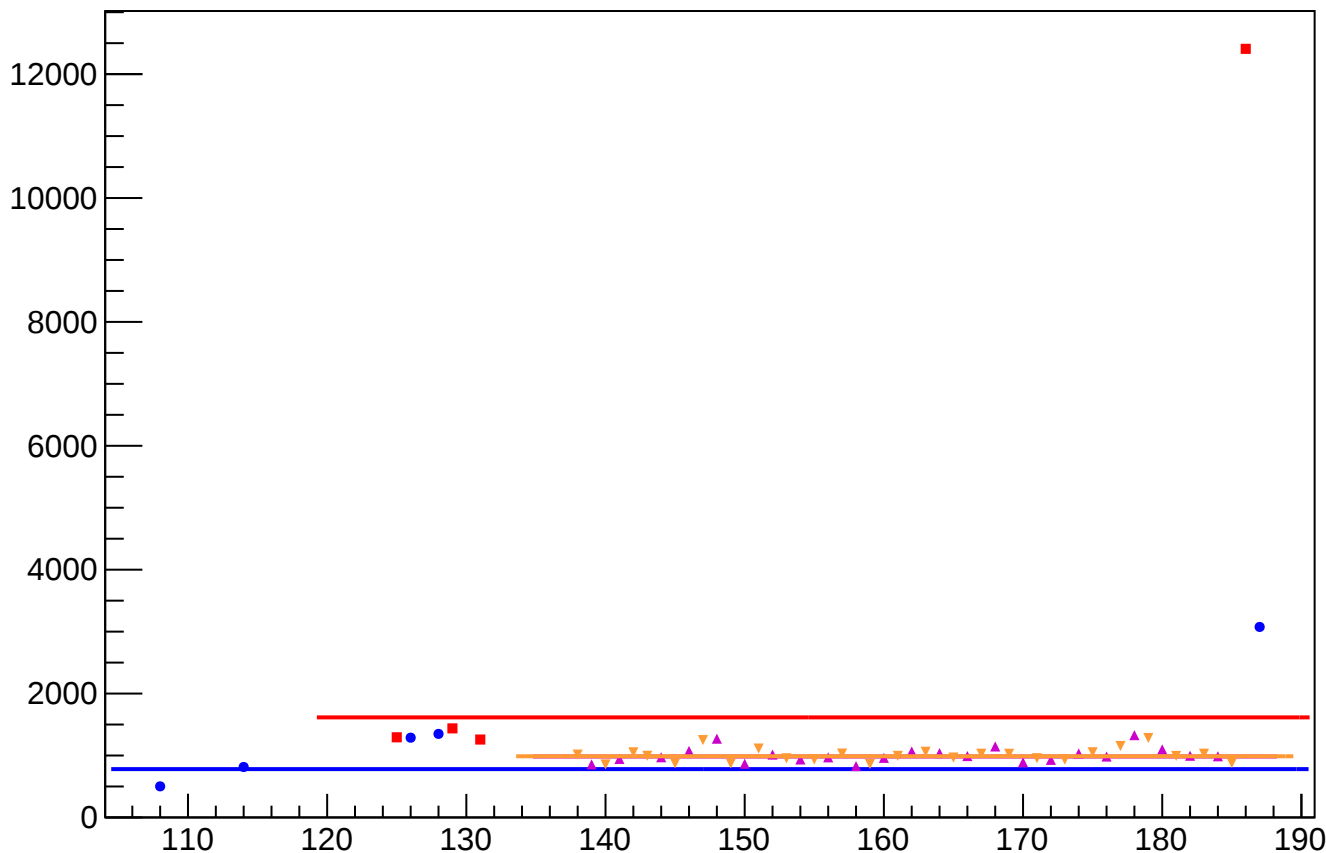
Left In: -202.234+/-237.460 χ^2 /NDF:35.5/22

+ sign -434.019+/-229.401 χ^2 /NDF: 21.7/29

All: -311.820+/-164.766 χ^2 /NDF: 61.1/56

- sign -181.608+/-236.803 χ^2 /NDF: 38.9/26

asym_sam5_correction_rms vs Slug



Right In: 780.441+/-1.123 χ^2/NDF : 239804.4/4

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 1615.512+/-2.254 χ^2/NDF : 570115.1/3

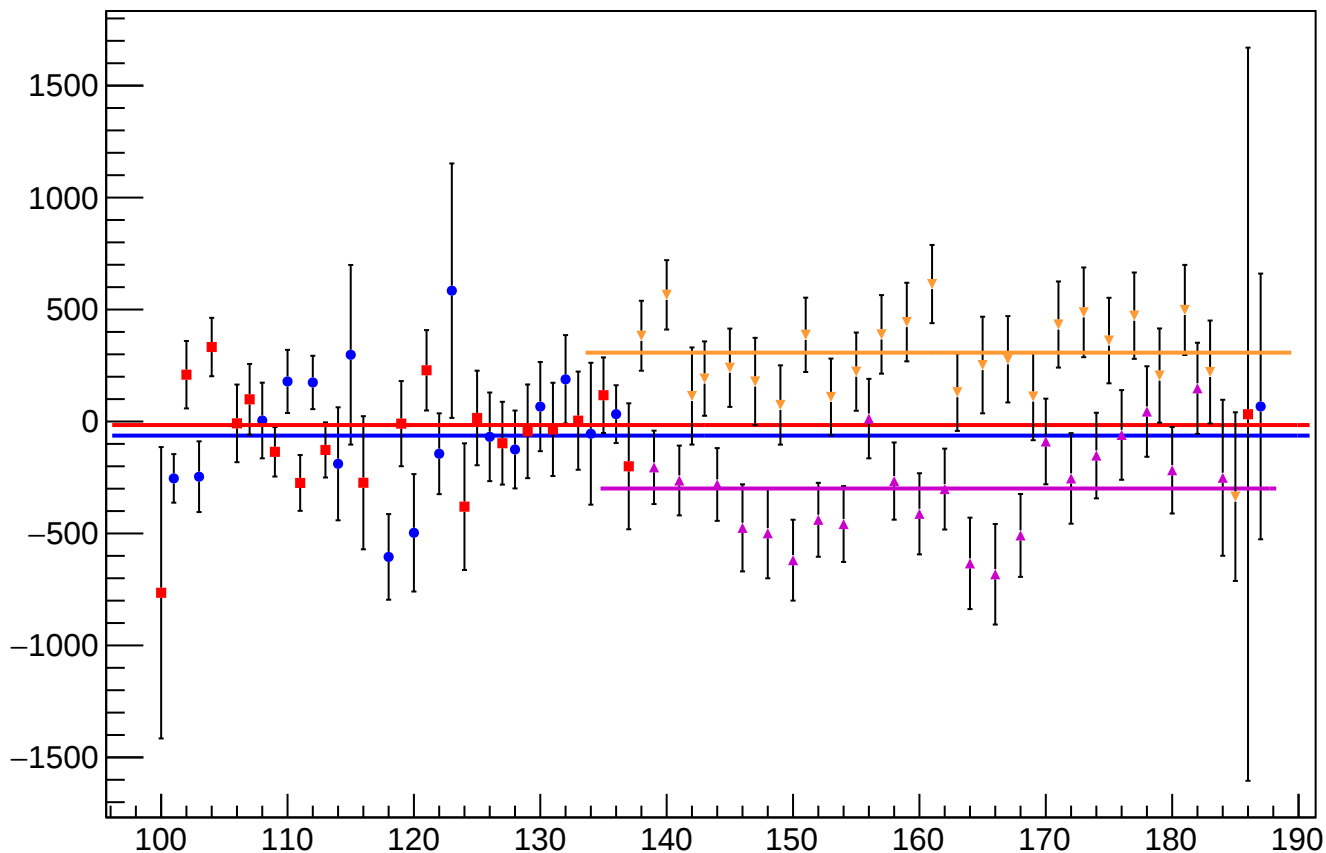
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 983.540+/-0.162 χ^2/NDF : 650178.1/29

All: 985.398+/-0.117 χ^2/NDF : 1714914.4/56

- sign 987.379+/-0.167 χ^2/NDF : 1064465.2/26

reg_asym_sam6_mean vs Slug



Right In: -62.964 ± 42.229 $\chi^2/\text{NDF}: 27.6/17$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: -15.831 ± 39.520 $\chi^2/\text{NDF}: 23.1/19$

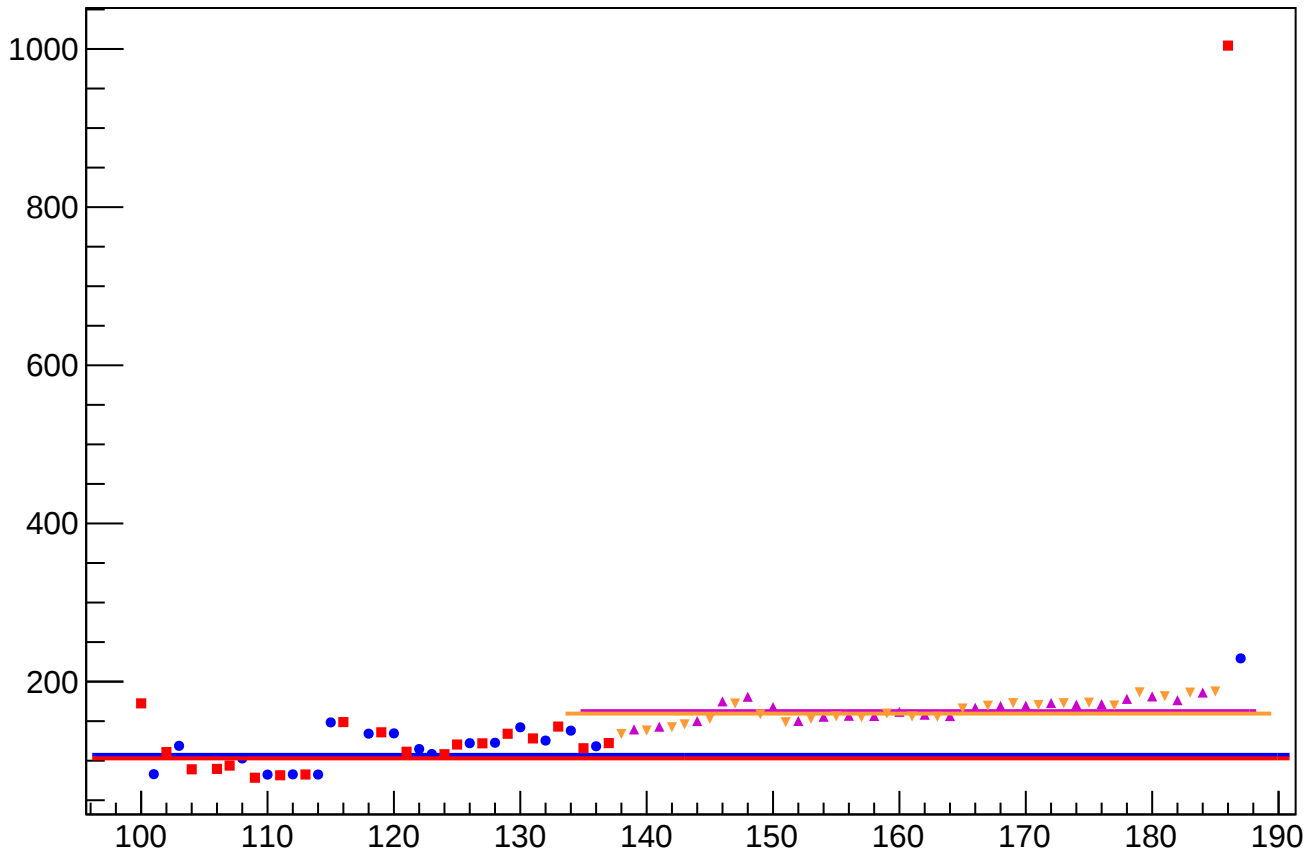
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 145.242 ± 27.947 $\chi^2/\text{NDF}: 91.6/42$

All: -8.064 ± 19.696 $\chi^2/\text{NDF}: 229.0/85$

- sign -159.356 ± 27.763 $\chi^2/\text{NDF}: 77.7/42$

reg_asym_sam6_rms vs Slug



Right In: 107.355 $\pm$ 0.030 χ^2 /NDF: 588198.8/17

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 102.977 $\pm$ 0.028 χ^2 /NDF: 1197678.8/19

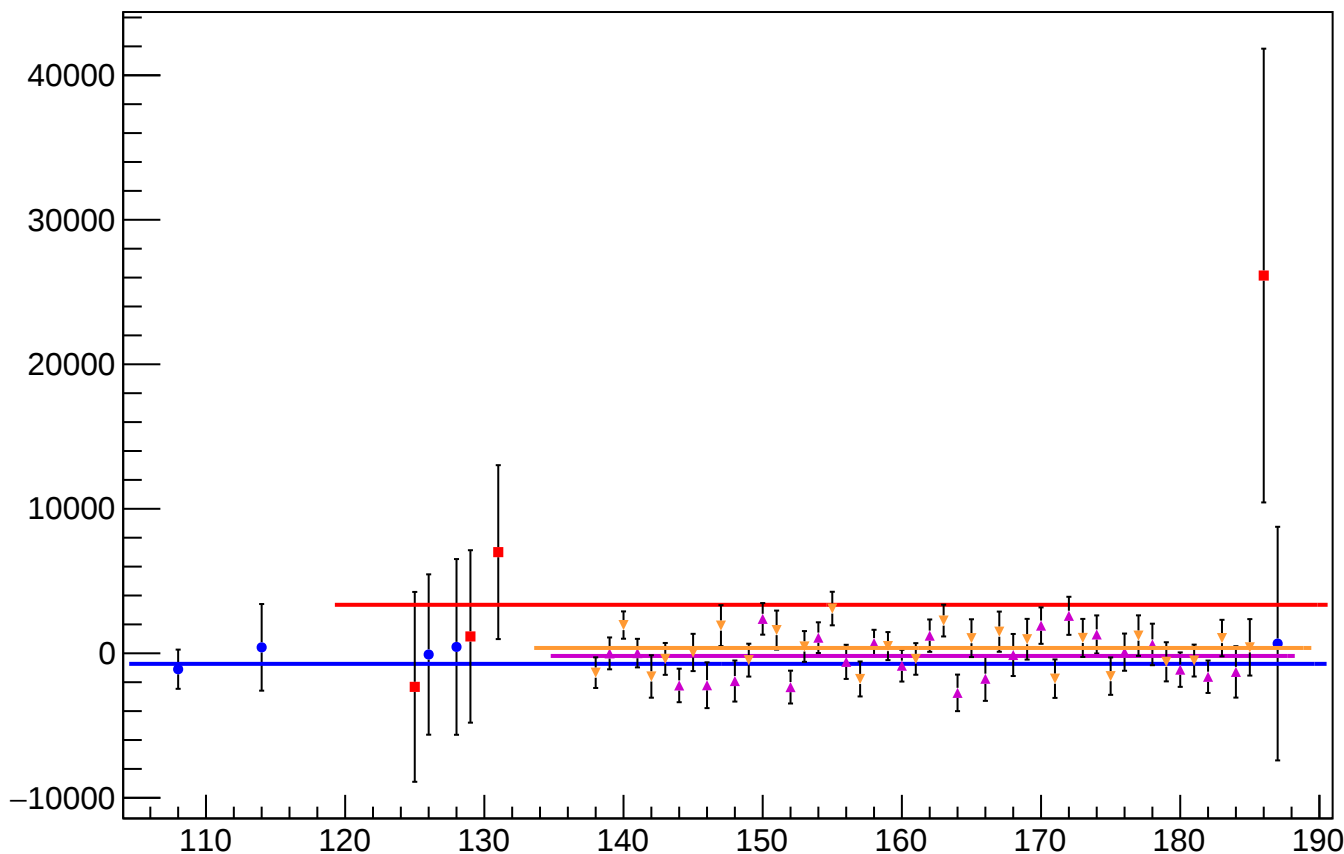
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 136.701 $\pm$ 0.020 χ^2 /NDF: 2594414.6/42

All: 134.929 $\pm$ 0.014 χ^2 /NDF: 6313804.9/85

- sign 133.180 $\pm$ 0.020 χ^2 /NDF: 3703416.3/42

asym_sam6_correction_mean vs Slug



Right In: -730.057 ± 1170.860 χ^2/NDF : 0.3/4

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 3356.740 ± 3472.430 χ^2/NDF : 3.4/3

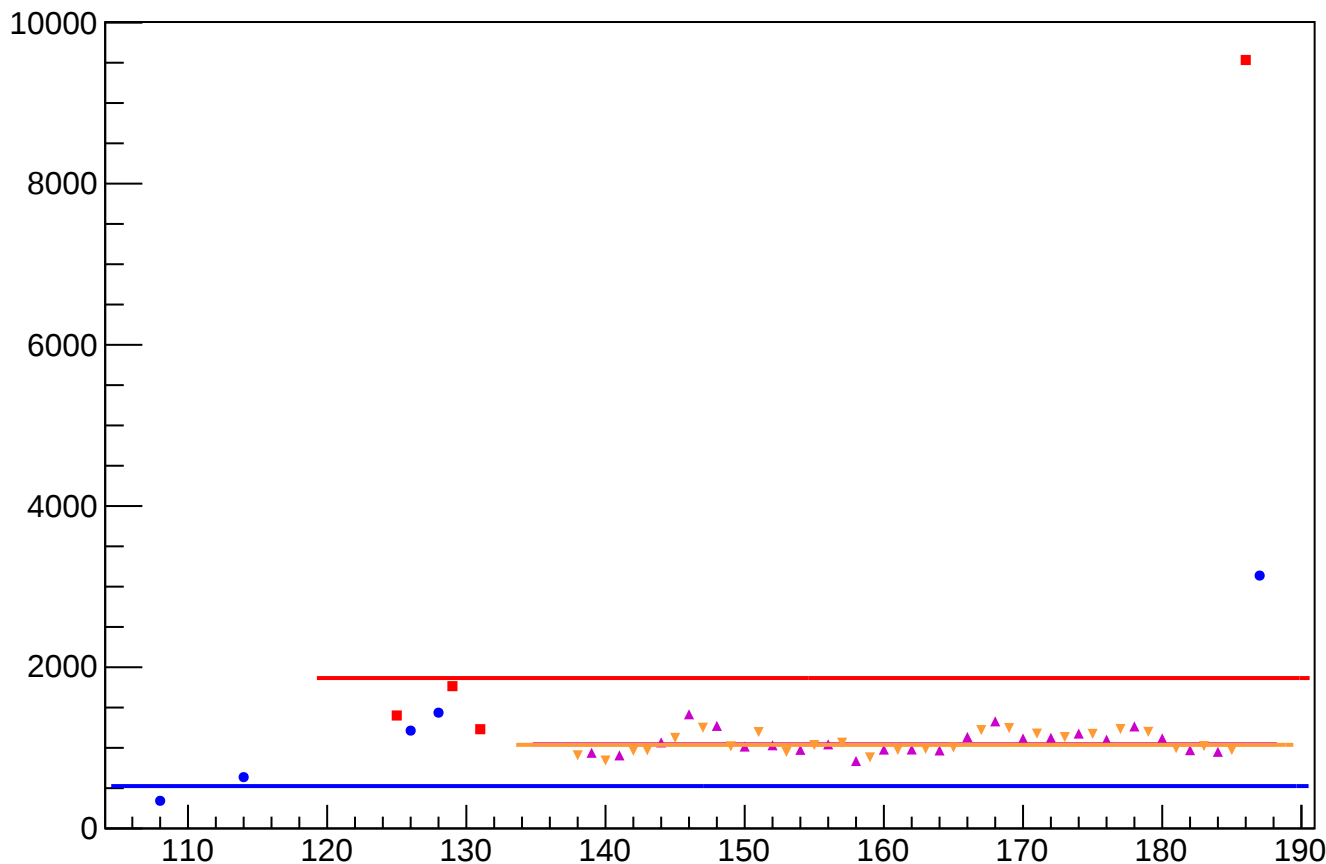
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 324.388 ± 238.418 χ^2/NDF : 31.6/29

All: 93.070 ± 173.058 χ^2/NDF : 74.5/56

- sign -164.524 ± 251.595 χ^2/NDF : 40.9/26

asym_sam6_correction_rms vs Slug



Right In: 525.745+/-0.828 χ^2/NDF : 323434.2/4

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1865.892+/-2.455 χ^2/NDF : 509863.6/3

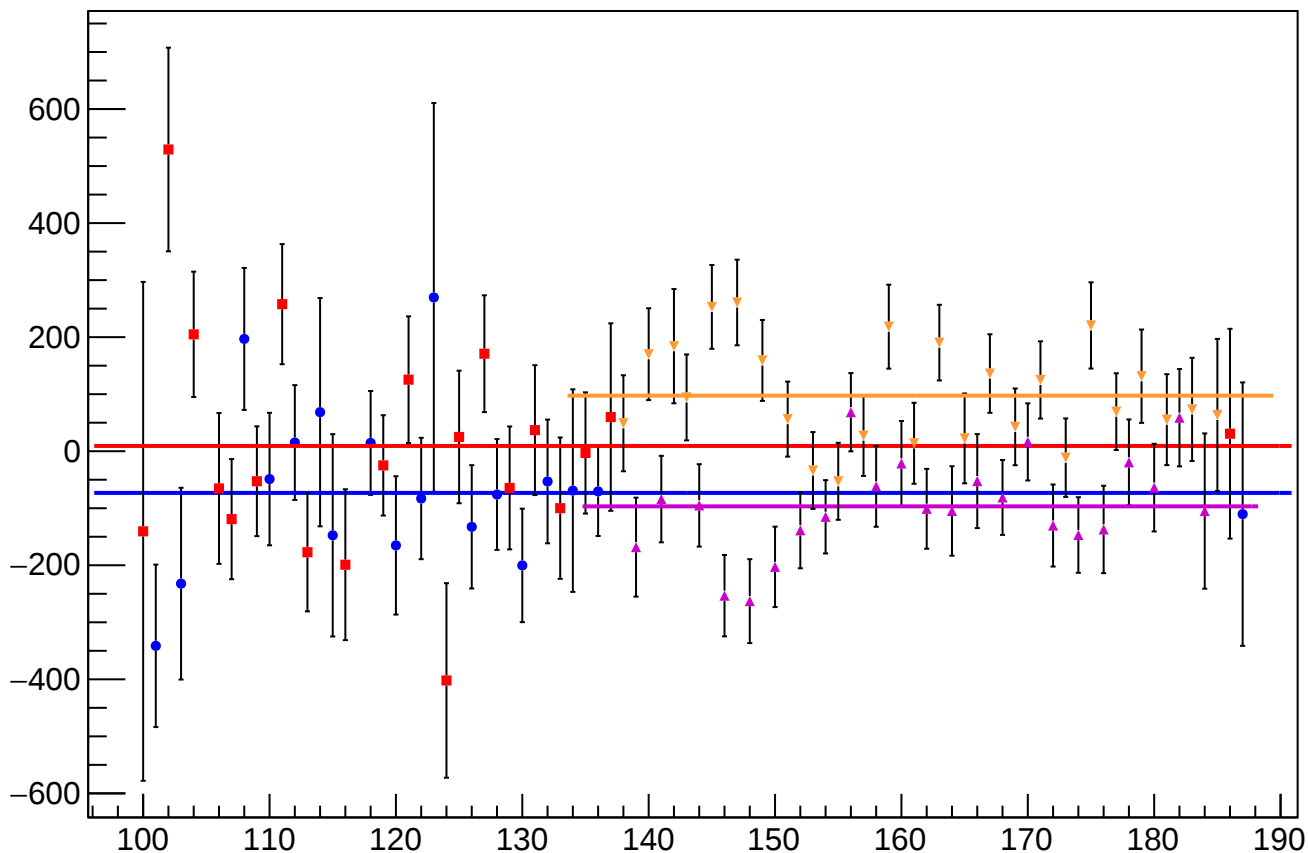
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1016.462+/-0.169 χ^2/NDF : 1184916.3/29

All: 1031.883+/-0.122 χ^2/NDF : 2367035.5/56

- sign 1049.057+/-0.178 χ^2/NDF : 1164433.7/26

reg_asym_sam7_mean vs Slug



Right In: -73.111 ± 28.221 $\chi^2/\text{NDF}: 15.2/17$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 9.248 ± 26.607 $\chi^2/\text{NDF}: 36.3/19$

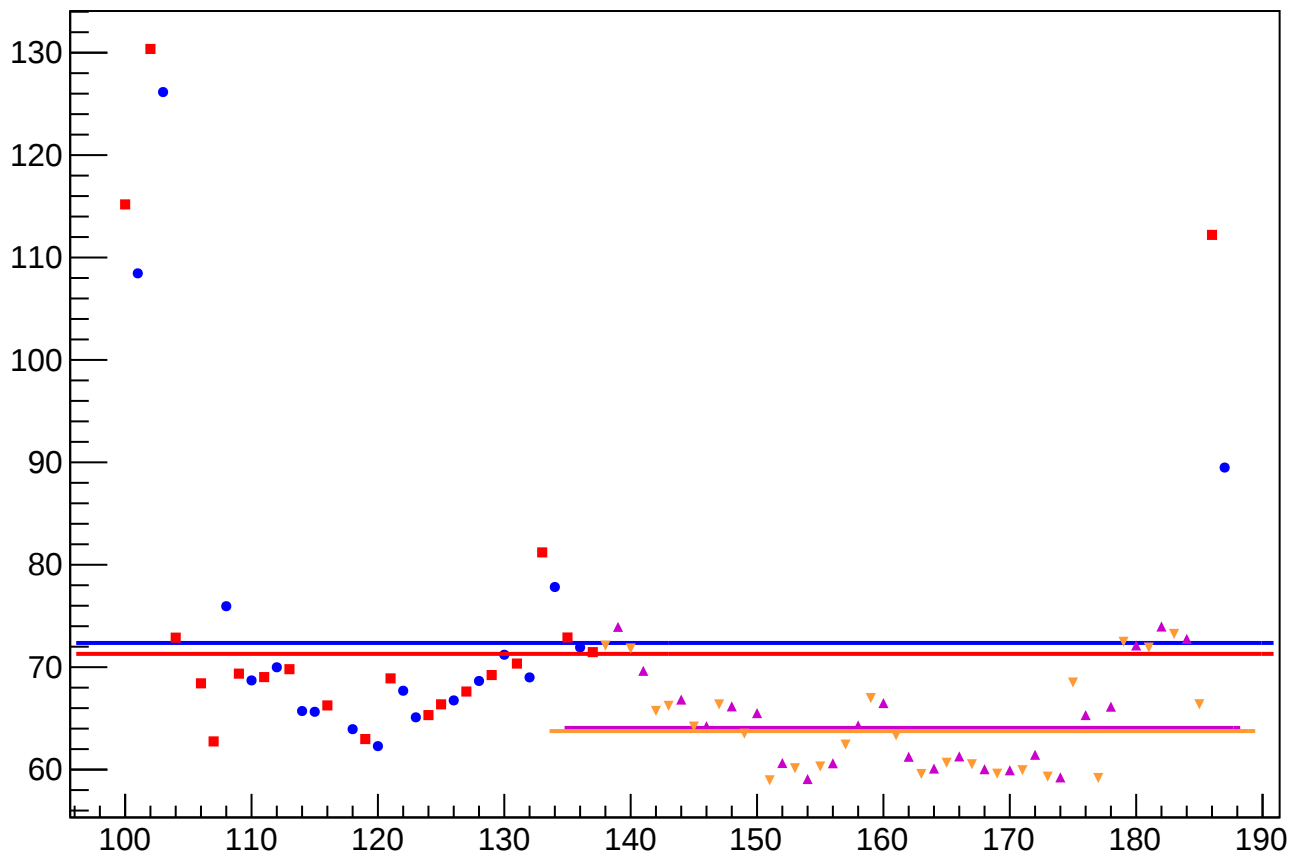
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 60.345 ± 13.162 $\chi^2/\text{NDF}: 79.7/42$

All: -4.204 ± 9.358 $\chi^2/\text{NDF}: 205.7/85$

- sign -70.195 ± 13.309 $\chi^2/\text{NDF}: 77.4/42$

reg_asym_sam7_rms vs Slug



Right In: 72.366+/-0.020 χ^2 /NDF: 401950.8/17

Left Out: 63.761+/-0.011 χ^2 /NDF:192803.8/24

Right Out: 71.299+/-0.019 χ^2 /NDF: 399103.2/19

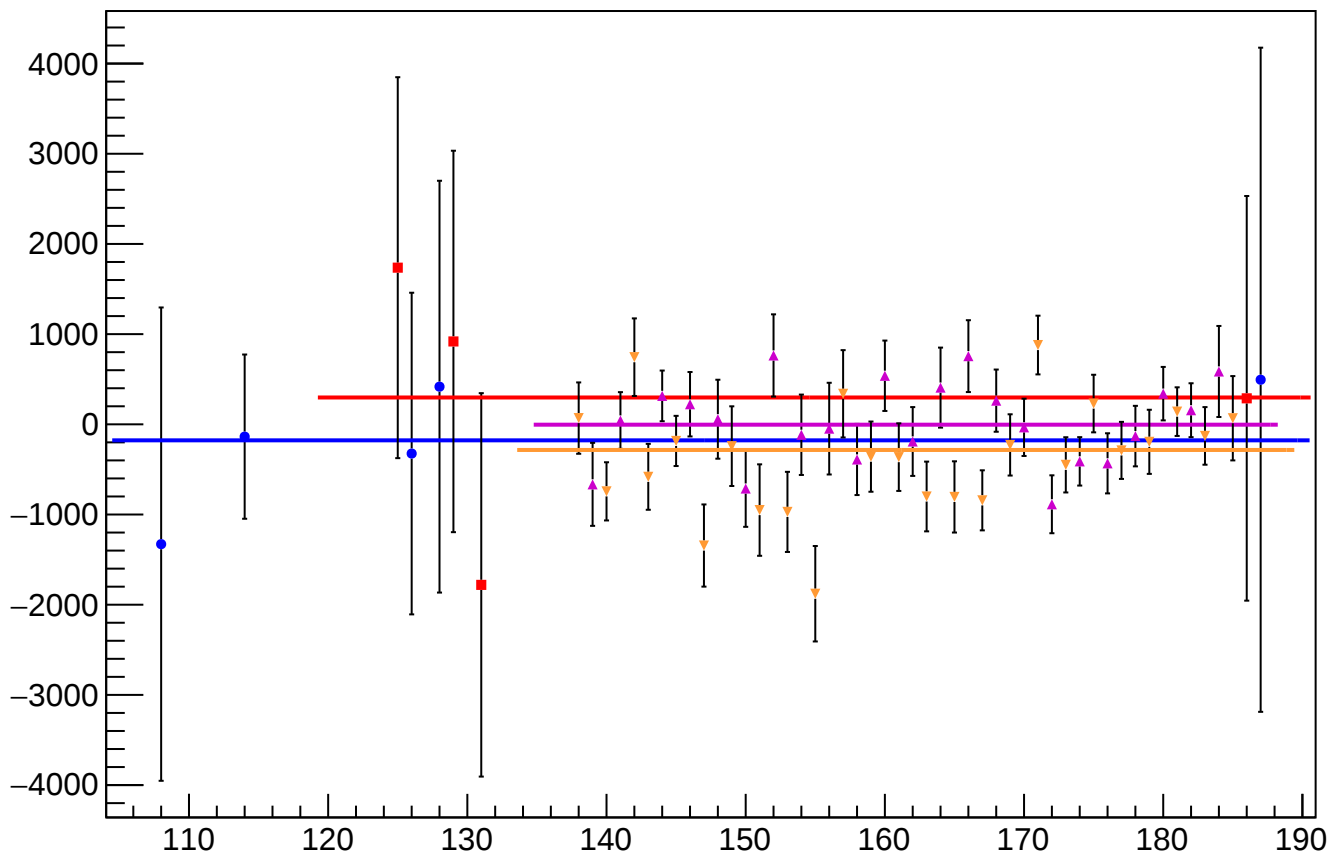
Left In: 64.069+/-0.011 χ^2 /NDF:164660.4/22

+ sign 65.633+/-0.009 χ^2 /NDF: 740237.4/42

All: 65.754+/-0.007 χ^2 /NDF: 1415088.4/85

- sign 65.878+/-0.009 χ^2 /NDF: 674509.1/42

asym_sam7_correction_mean vs Slug



Right In: -177.585 ± 719.523 χ^2/NDF : 0.3/4

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: 297.576 ± 1073.424 χ^2/NDF : 1.5/3

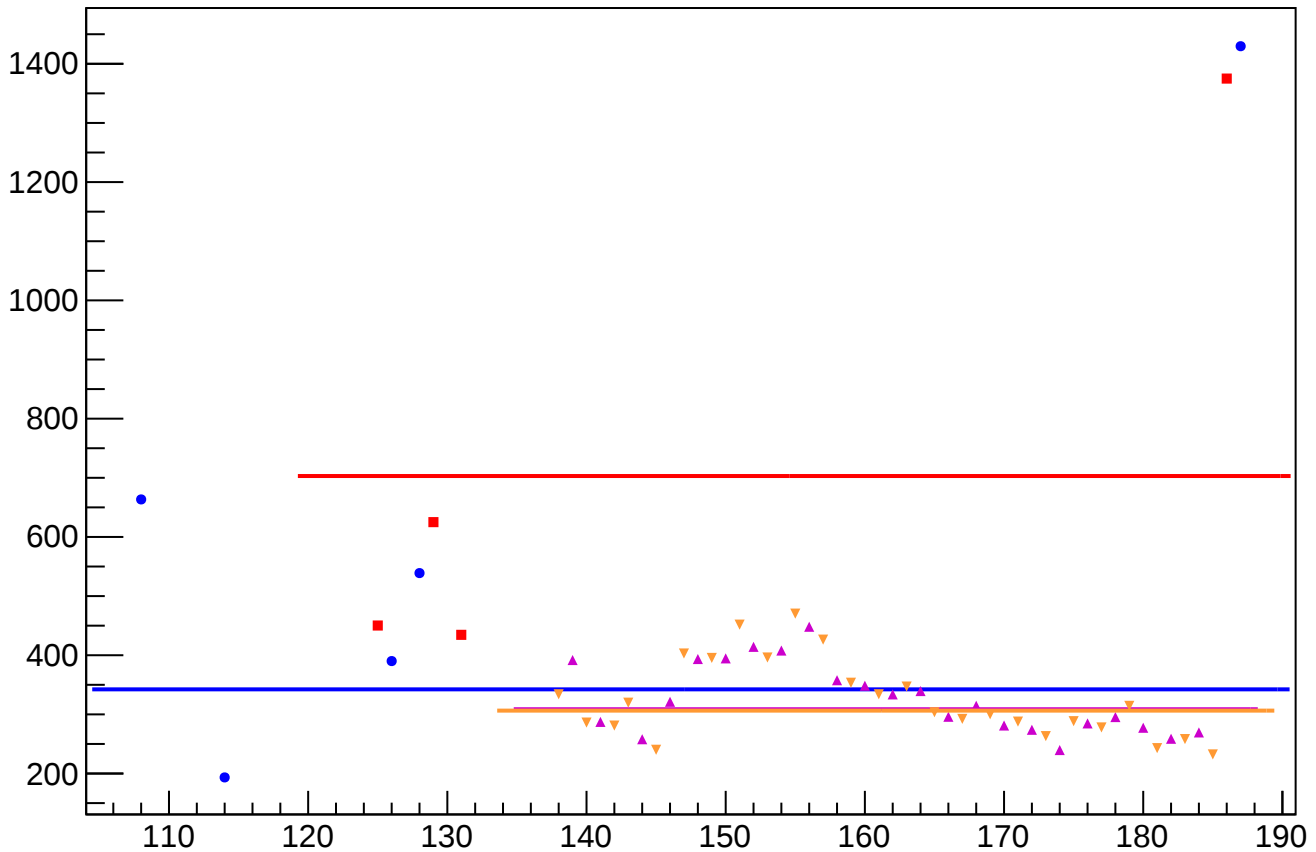
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -283.224 ± 72.364 χ^2/NDF : 55.4/29

All: -147.731 ± 52.043 χ^2/NDF : 96.6/56

- sign -2.568 ± 74.901 χ^2/NDF : 33.9/26

asym_sam7_correction_rms vs Slug



Right In: 342.318 ± 0.509 χ^2/NDF : 274156.6/4

Left Out: 306.363 ± 0.051 χ^2/NDF : 1215669.9/24

Right Out: 703.014 ± 0.759 χ^2/NDF : 242754.8/3

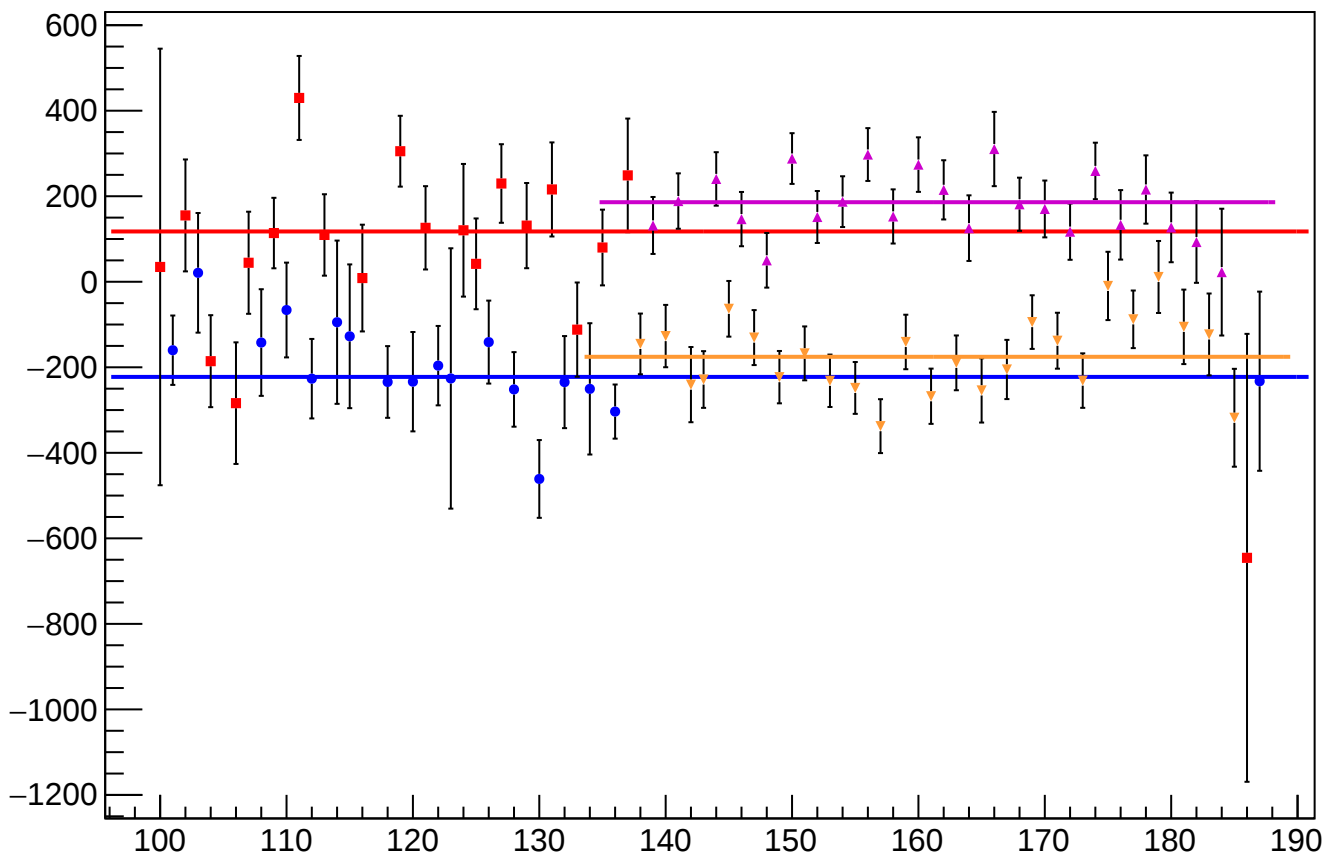
Left In: 308.727 ± 0.053 χ^2/NDF : 1002947.4/22

+ sign 306.727 ± 0.051 χ^2/NDF : 1494770.3/29

All: 308.619 ± 0.037 χ^2/NDF : 3011836.2/56

- sign 310.646 ± 0.053 χ^2/NDF : 1514232.7/26

reg_asym_sam8_mean vs Slug



Right In: -222.490 ± 24.766 χ^2/NDF : 16.3/17

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 117.620 ± 24.639 χ^2/NDF : 42.9/19

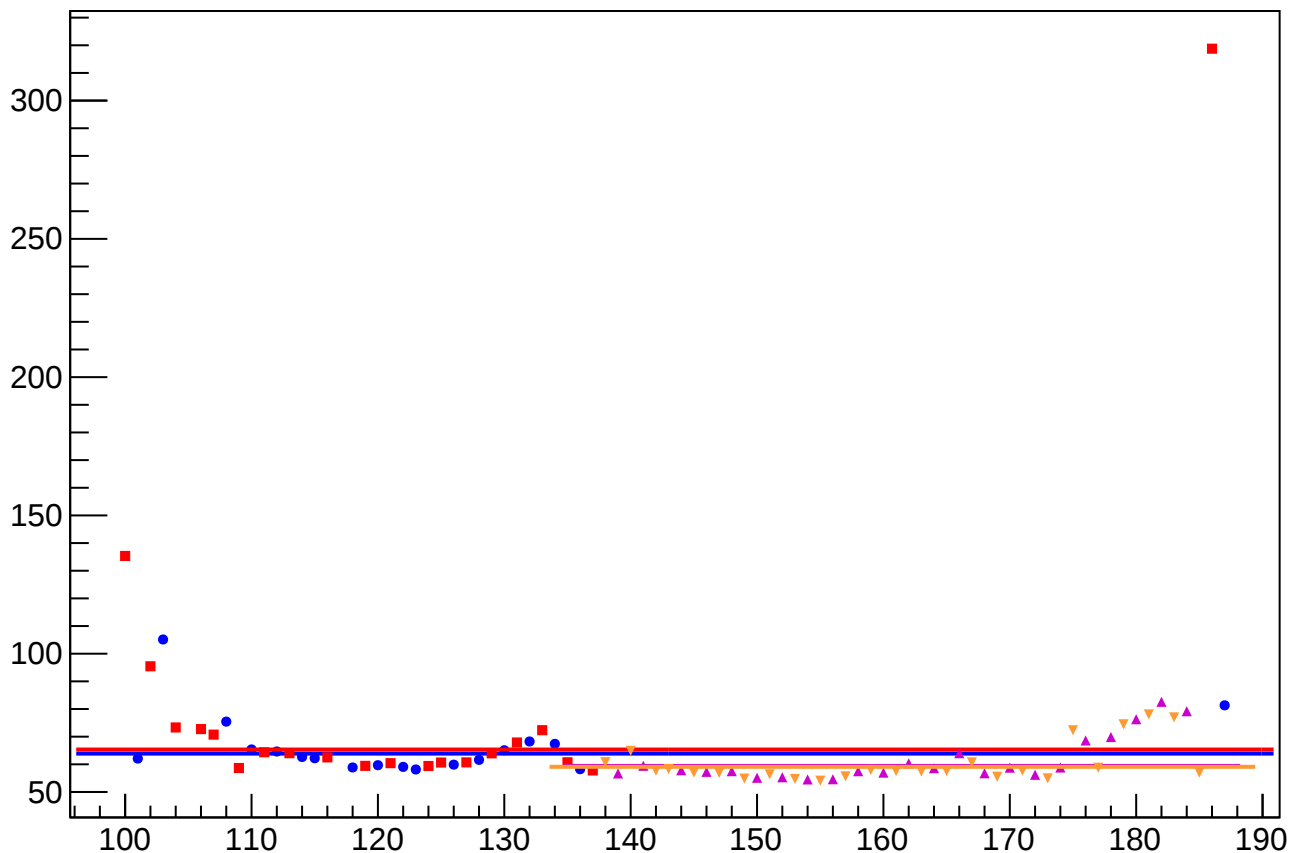
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -186.667 ± 12.085 χ^2/NDF : 53.7/42

All: -13.195 ± 8.647 χ^2/NDF : 548.0/85

- sign 168.778 ± 12.378 χ^2/NDF : 72.2/42

reg_asym_sam8_rms vs Slug



Right In: 63.876 ± 0.018 $\chi^2/\text{NDF}: 247978.8/17$

Left Out: 59.099 ± 0.010 $\chi^2/\text{NDF}: 369788.6/24$

Right Out: 65.349 ± 0.017 $\chi^2/\text{NDF}: 695692.4/19$

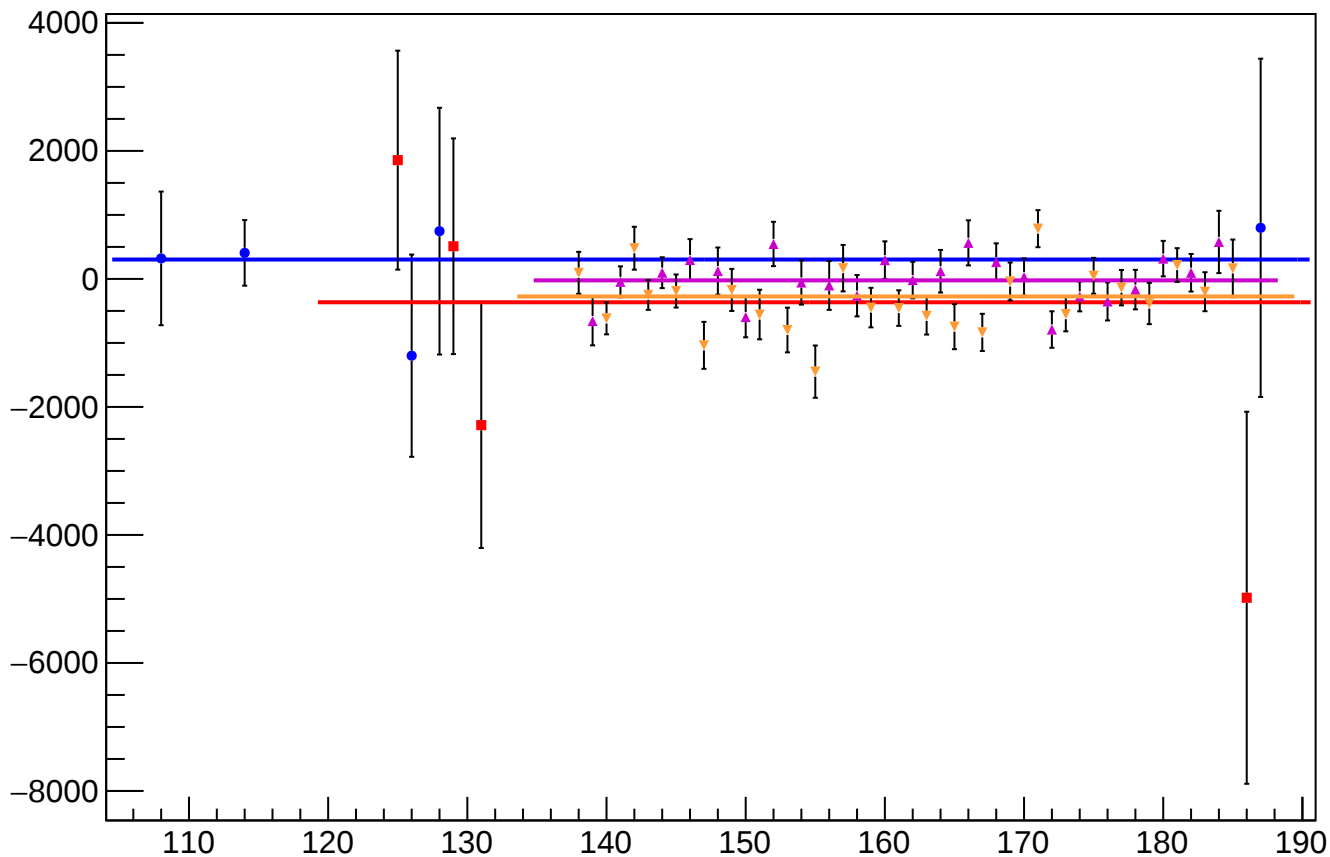
Left In: 59.410 ± 0.010 $\chi^2/\text{NDF}: 373052.7/22$

+ sign 60.237 ± 0.009 $\chi^2/\text{NDF}: 674451.9/42$

All: 60.565 ± 0.006 $\chi^2/\text{NDF}: 1833101.2/85$

- sign 60.909 ± 0.009 $\chi^2/\text{NDF}: 1155627.2/42$

asym_sam8_correction_mean vs Slug



Right In: 302.986 ± 424.837 χ^2/NDF : 1.0/4

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -364.950 ± 960.555 χ^2/NDF : 5.5/3

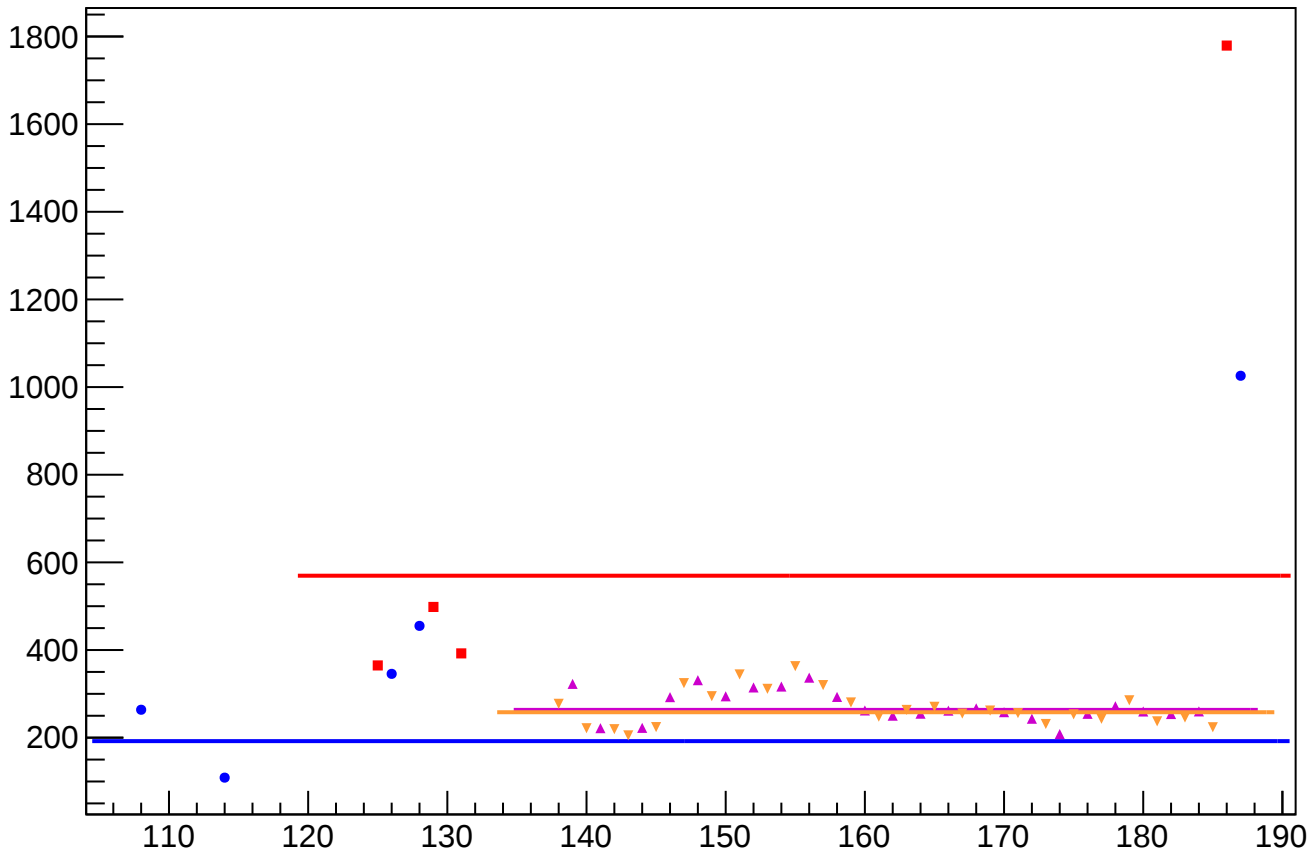
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -262.509 ± 60.186 χ^2/NDF : 56.7/29

All: -149.708 ± 43.684 χ^2/NDF : 98.7/56

- sign -24.127 ± 63.504 χ^2/NDF : 34.5/26

asym_sam8_correction_rms vs Slug



Right In: 192.101 $\pm$ 0.300 χ^2 /NDF: 317541.2/4

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 569.570 $\pm$ 0.679 χ^2 /NDF: 395752.4/3

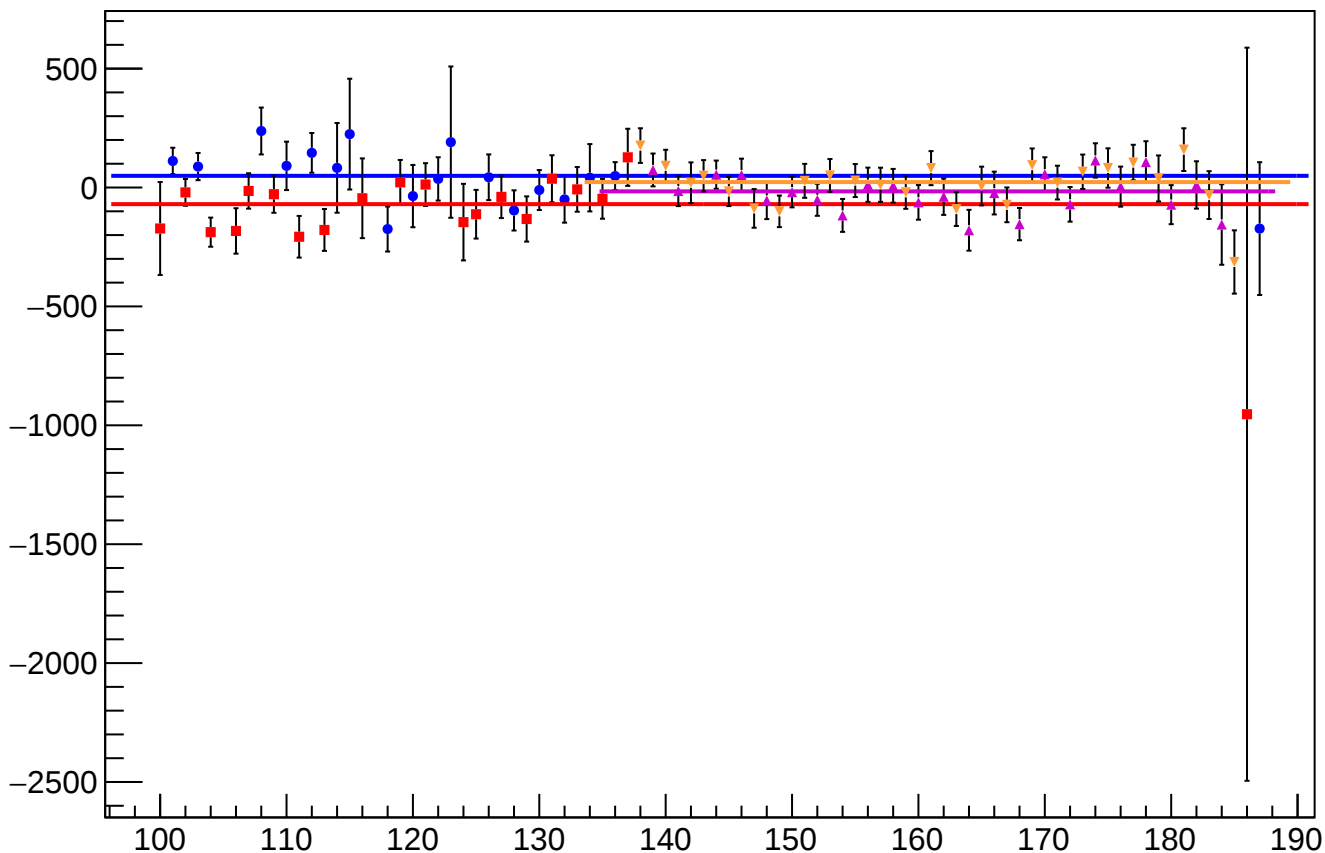
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 256.717 $\pm$ 0.043 χ^2 /NDF: 1089578.0/29

All: 260.511 $\pm$ 0.031 χ^2 /NDF: 2290037.7/56

- sign 264.735 $\pm$ 0.045 χ^2 /NDF: 1183662.9/26

reg_asym_sam_15_avg_mean vs Slug



Right In: 49.146 ± 21.483 χ^2/NDF : 18.9/17

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -69.894 ± 20.446 χ^2/NDF : 18.4/19

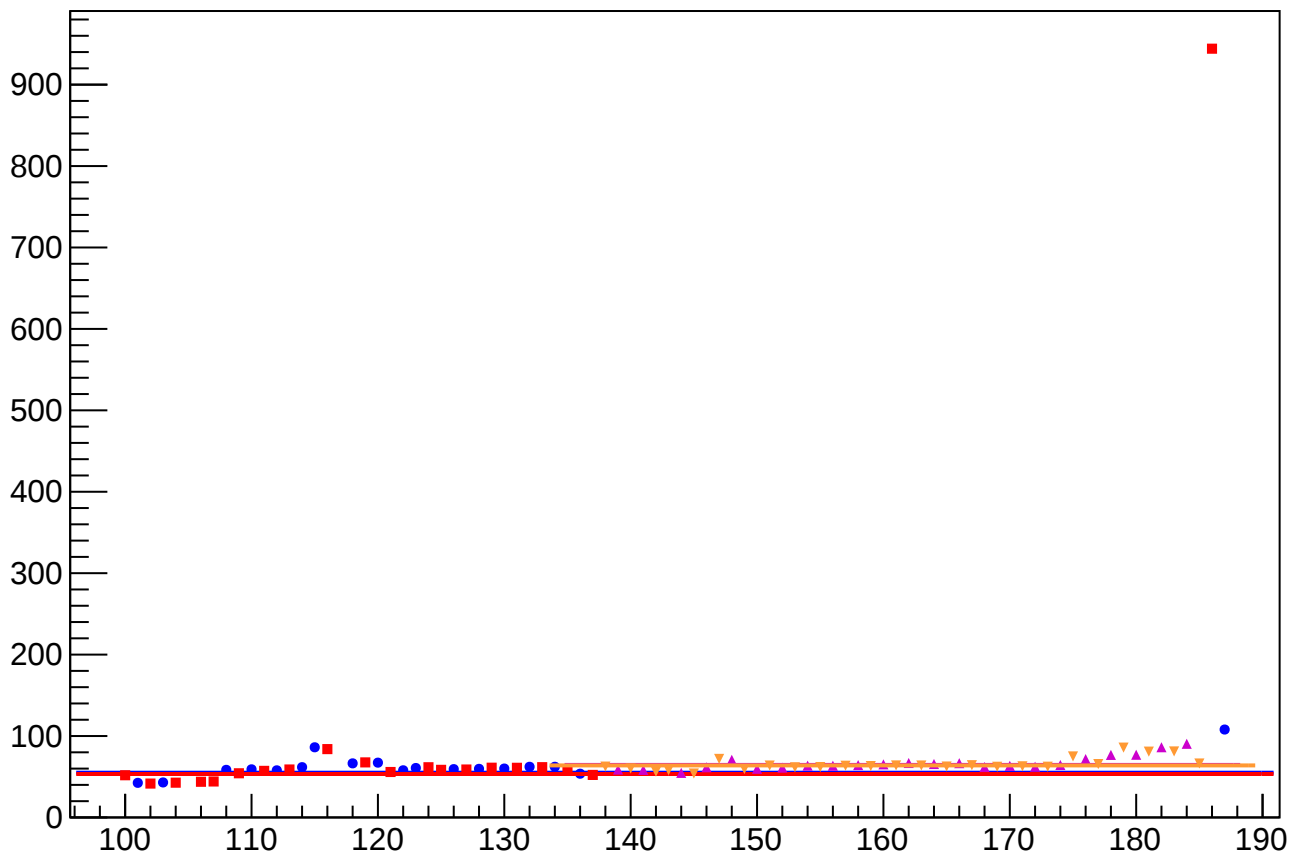
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 31.457 ± 12.281 χ^2/NDF : 48.8/42

All: -1.957 ± 8.714 χ^2/NDF : 109.9/85

- sign -35.844 ± 12.367 χ^2/NDF : 46.1/42

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.956+/-0.015 χ^2/NDF : 391539.0/17

Left Out: 63.920+/-0.011 χ^2/NDF : 395410.4/24

Right Out: 53.375+/-0.014 χ^2/NDF : 1055822.6/19

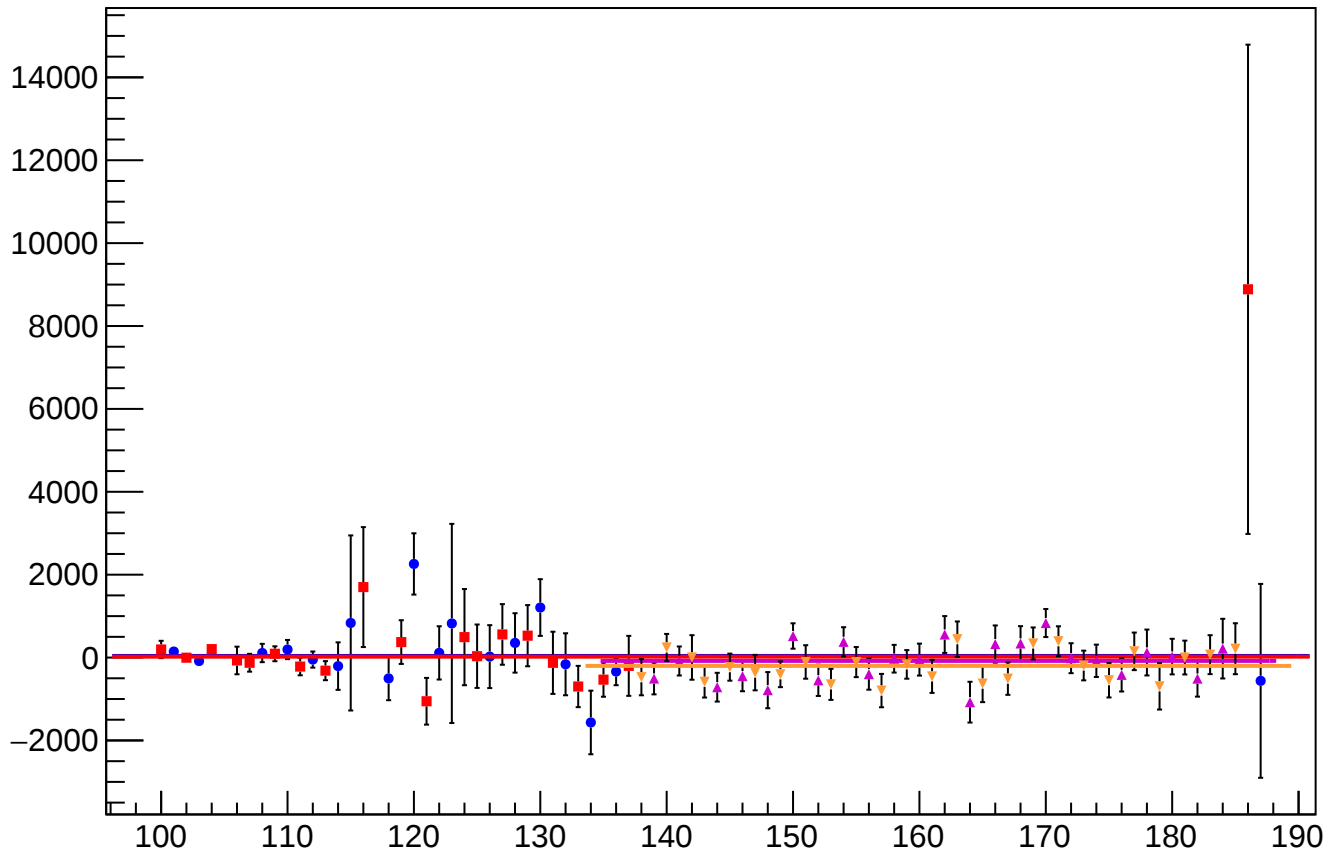
Left In: 64.511+/-0.011 χ^2/NDF : 370515.2/22

+ sign 60.991+/-0.009 χ^2/NDF : 1021358.2/42

All: 60.716+/-0.006 χ^2/NDF : 2825901.0/85

- sign 60.437+/-0.009 χ^2/NDF : 1802522.4/42

asym_sam_15_avg_correction_mean vs Slug



Right In: 38.725 ± 51.549 χ^2/NDF : 23.9/17

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: 22.141 ± 53.286 χ^2/NDF : 21.0/19

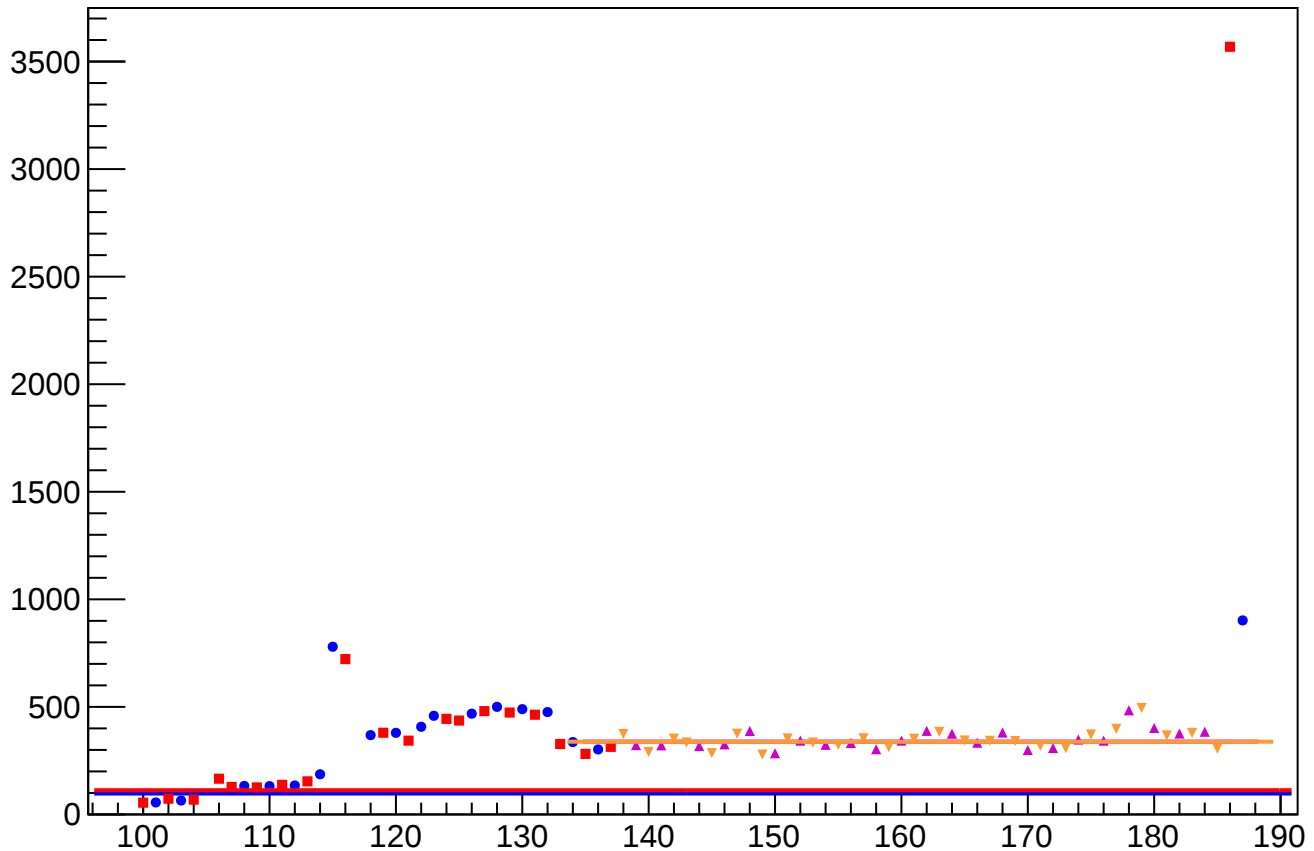
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -32.195 ± 43.260 χ^2/NDF : 49.9/42

All: -20.622 ± 31.068 χ^2/NDF : 105.6/85

- sign -8.295 ± 44.645 χ^2/NDF : 55.5/42

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.291+/-0.036 χ^2/NDF : 6037166.9/17

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 112.801+/-0.038 χ^2/NDF : 5701352.9/19

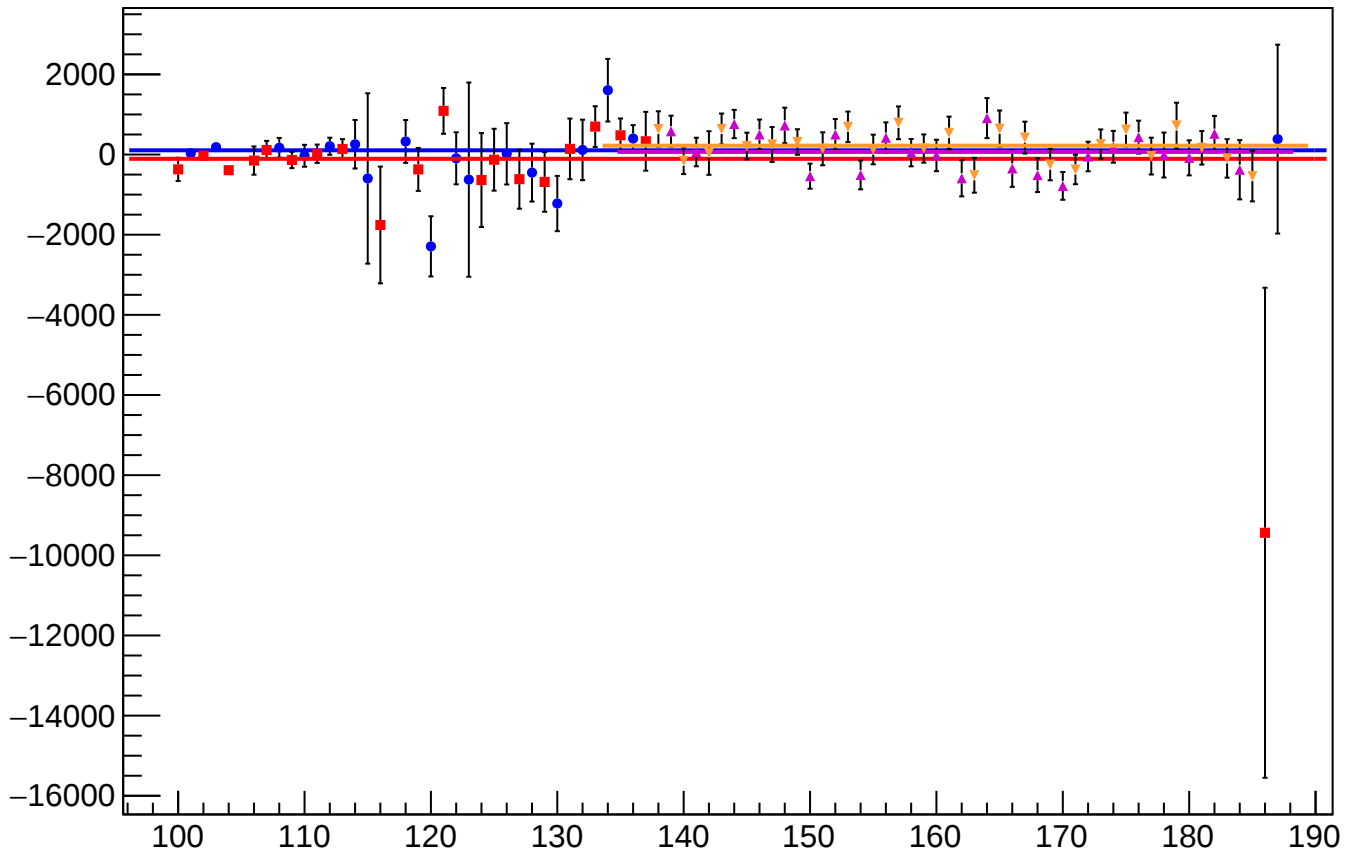
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 168.516+/-0.031 χ^2/NDF : 19446588.7/42

All: 174.117+/-0.022 χ^2/NDF : 36353673.8/85

- sign 180.083+/-0.032 χ^2/NDF : 16837835.2/42

asym_sam_15_avg_mean vs Slug



Right In: 105.862 $\pm$ 63.164 χ^2 /NDF: 21.0/17

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -106.660 $\pm$ 60.875 χ^2 /NDF: 23.6/19

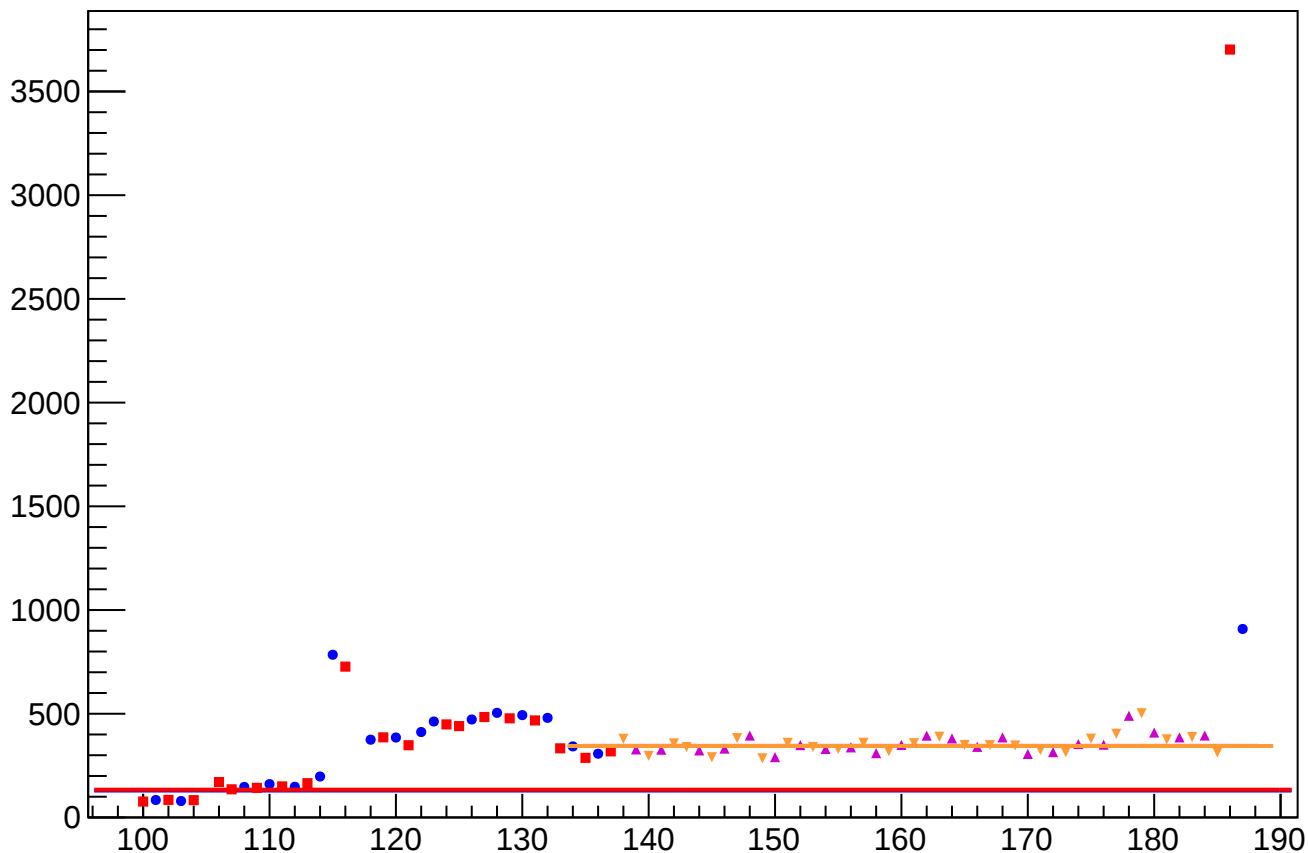
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 149.420 $\pm$ 49.814 χ^2 /NDF: 42.0/42

All: 50.030 $\pm$ 34.988 χ^2 /NDF: 110.1/85

- sign -46.740 $\pm$ 49.153 χ^2 /NDF: 60.3/42

asym_sam_15_avg_rms vs Slug



Right In: 129.936+/-0.045 χ^2/NDF : 4977144.1/17

Left Out: 344.506+/-0.057 χ^2/NDF :488323.4/24

+ sign 211.052+/-0.035 χ^2/NDF : 14190392.7/42

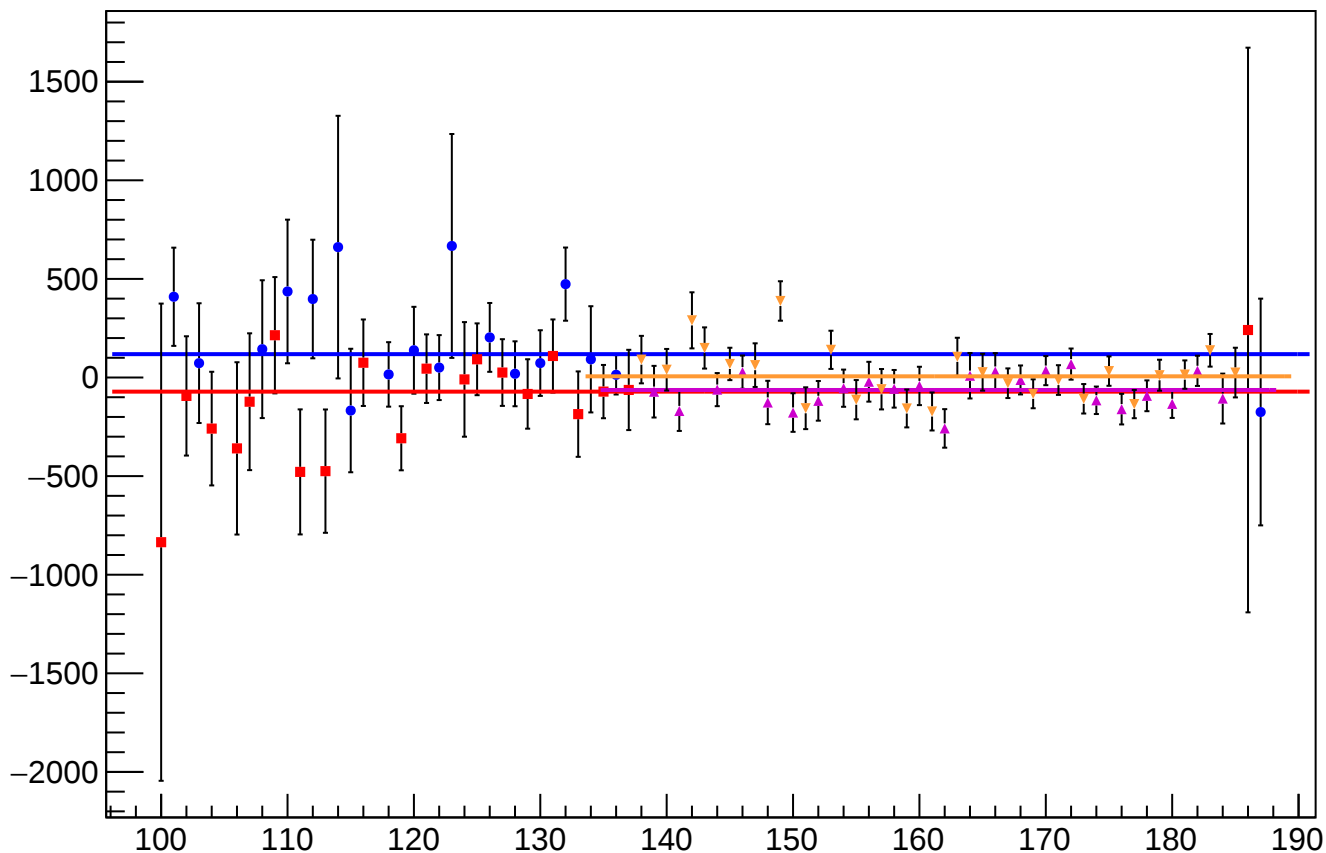
Right Out: 133.787+/-0.043 χ^2/NDF : 5030664.7/19

All: 209.155+/-0.025 χ^2/NDF : 28036675.5/85

- sign 207.309 $\pm$ 0.035 χ^2 /NDF: 13840560.7/42

Left In: 345.039+/-0.059 χ^2/NDF :427381.3/22

reg_asym_sam_26_avg_mean vs Slug



Right In: 118.445 $\pm$ 49.021 χ^2 /NDF: 11.7/17

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: -71.642 $\pm$ 50.020 χ^2 /NDF: 11.0/19

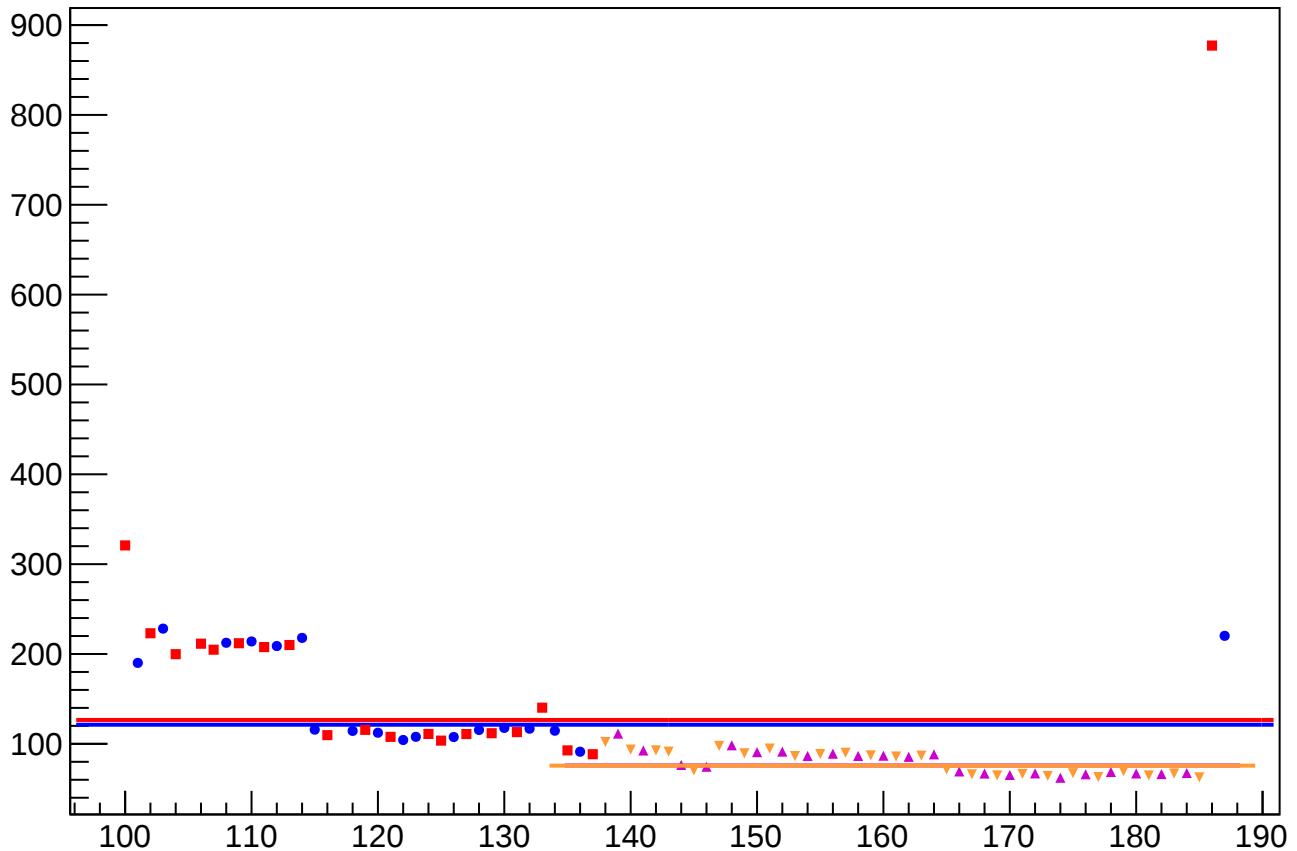
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

+ sign 19.259 $\pm$ 16.822 χ^2 /NDF: 62.4/42

All: -21.324 $\pm$ 12.063 χ^2 /NDF: 105.2/85

- sign -64.280 $\pm$ 17.307 χ^2 /NDF: 30.9/42

reg_asym_sam_26_avg_rms vs Slug



Right In: 121.300 $\pm$ 0.035 χ^2 /NDF: 1166989.2/17

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF: 937821.8/24

Right Out: 126.583 $\pm$ 0.035 χ^2 /NDF: 1879993.5/19

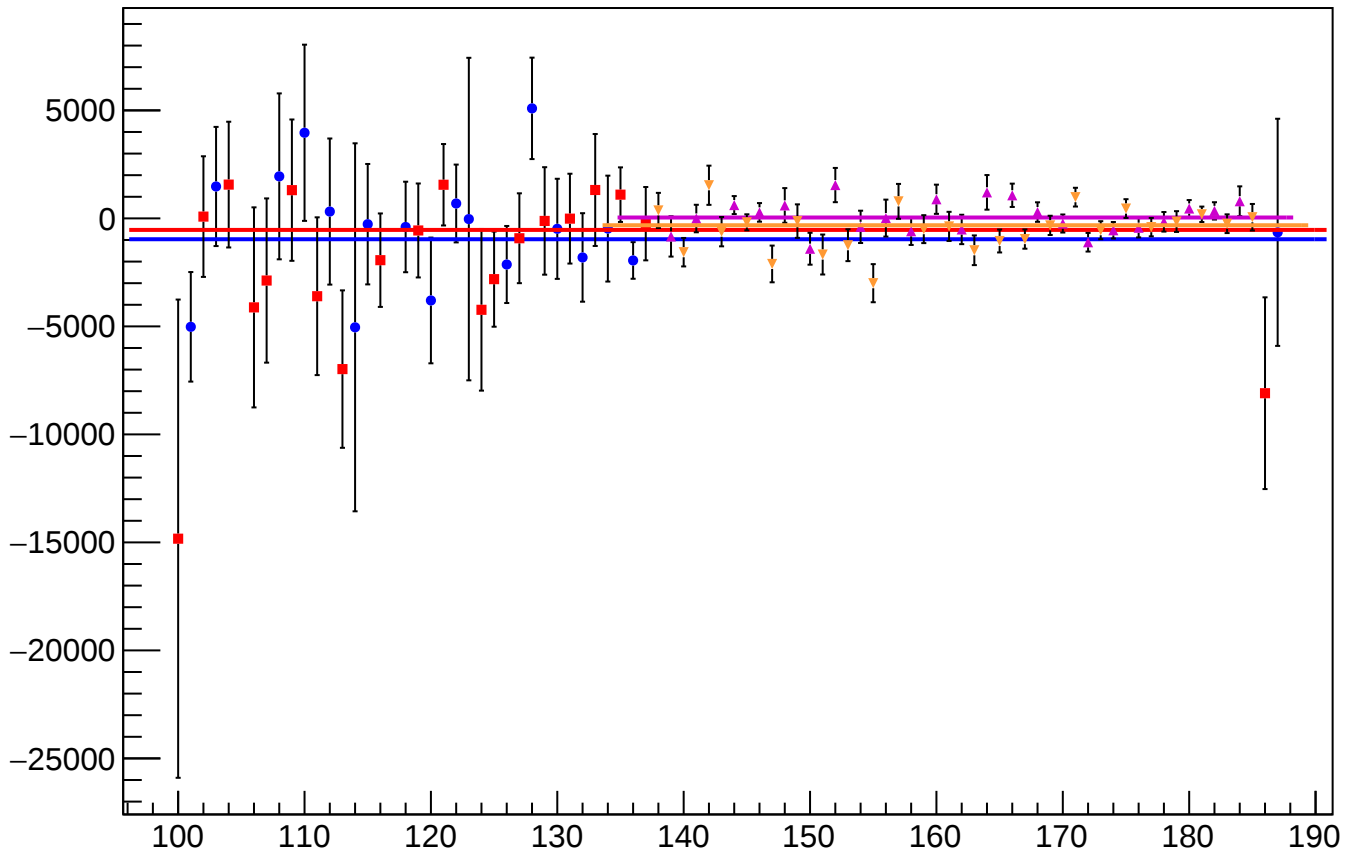
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF: 831366.4/22

+ sign 81.108 $\pm$ 0.012 χ^2 /NDF: 3628756.3/42

All: 81.529 $\pm$ 0.009 χ^2 /NDF: 8149565.0/85

- sign 81.976 $\pm$ 0.012 χ^2 /NDF: 4518219.7/42

asym_sam_26_avg_correction_mean vs Slug



Right In: -965.598 ± 510.983 χ^2/NDF : 16.4/17

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -533.796 ± 542.687 χ^2/NDF : 16.3/19

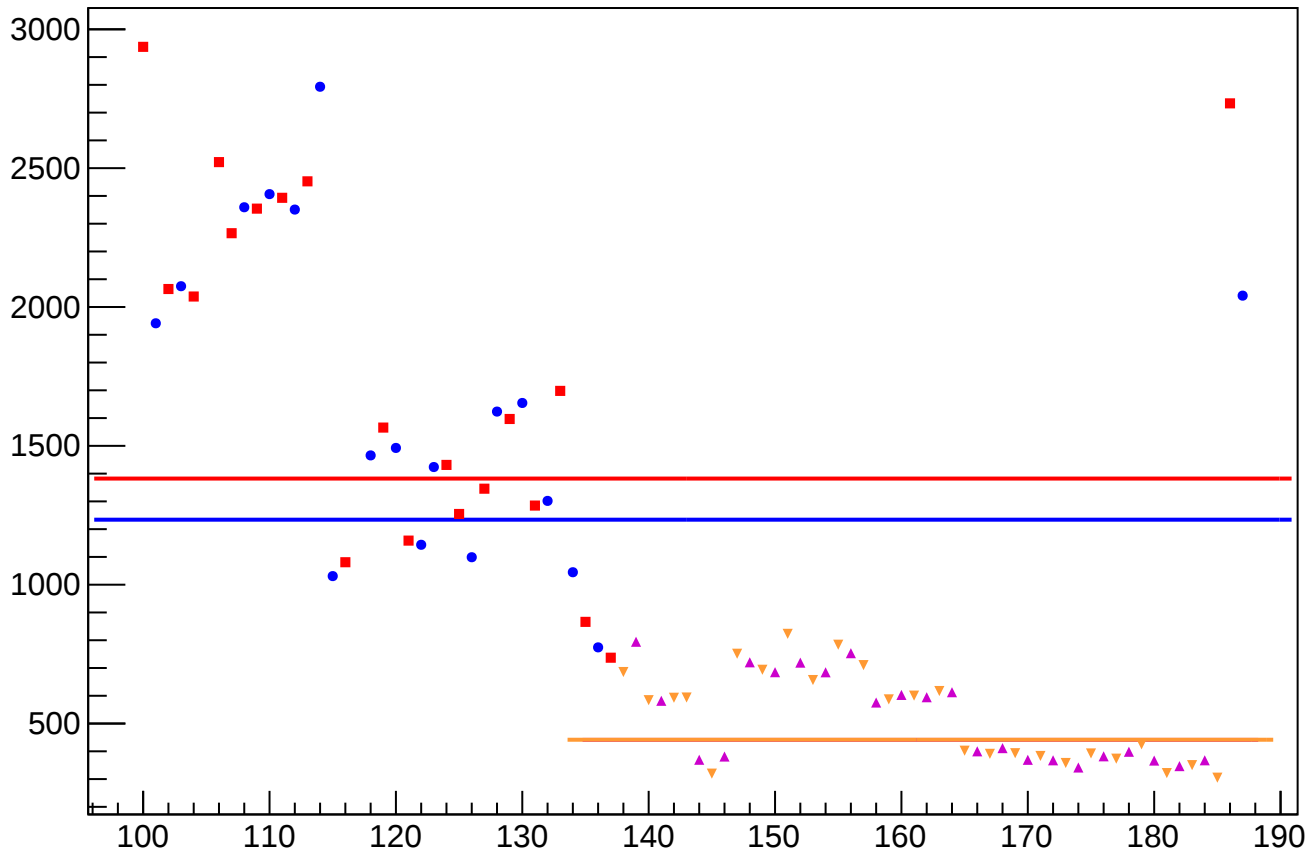
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -345.761 ± 105.678 χ^2/NDF : 67.9/42

All: -168.050 ± 75.549 χ^2/NDF : 125.8/85

- sign 17.710 ± 108.045 χ^2/NDF : 52.1/42

asym_sam_26_avg_correction_rms vs Slug



Right In: 1234.101+/-0.361 χ^2 /NDF: 1801916.5/17

Left Out: 441.685+/-0.076 χ^2 /NDF: 3169140.9/24

+ sign 475.578+/-0.075 χ^2 /NDF: 9575102.5/42

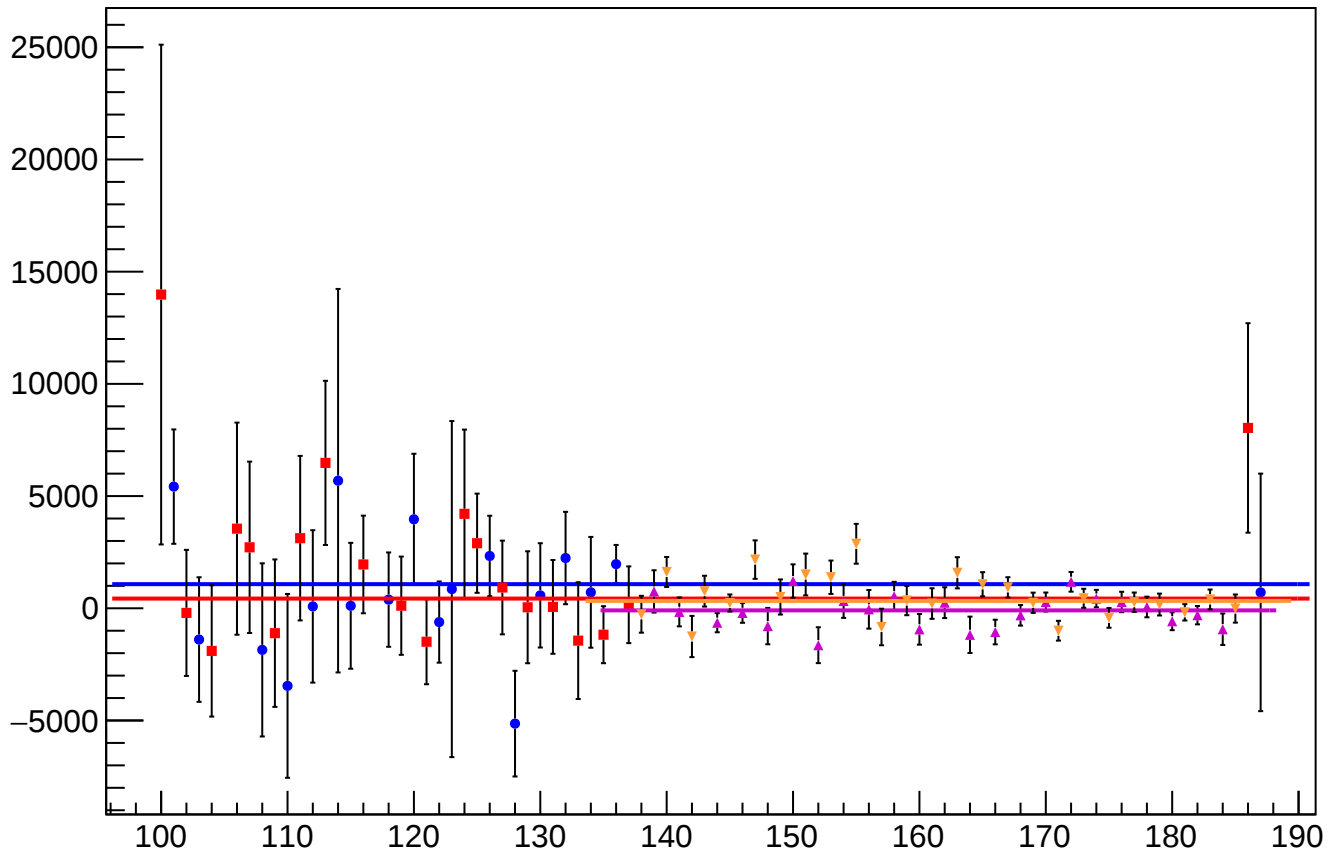
Right Out: 1382.197+/-0.384 χ^2 /NDF: 1937702.9/19

All: 476.916+/-0.053 χ^2 /NDF: 19887699.3/85

Left In: 441.009+/-0.078 χ^2 /NDF: 2597018.1/22

- sign 478.315+/-0.076 χ^2 /NDF: 10311940.5/42

asym_sam_26_avg_mean vs Slug



Right In: 1075.375+/-513.907 χ^2/NDF : 16.9/17

Left Out: 328.599+/-109.668 χ^2/NDF : 47.7/24

Right Out: 432.477+/-545.852 χ^2/NDF : 15.2/19

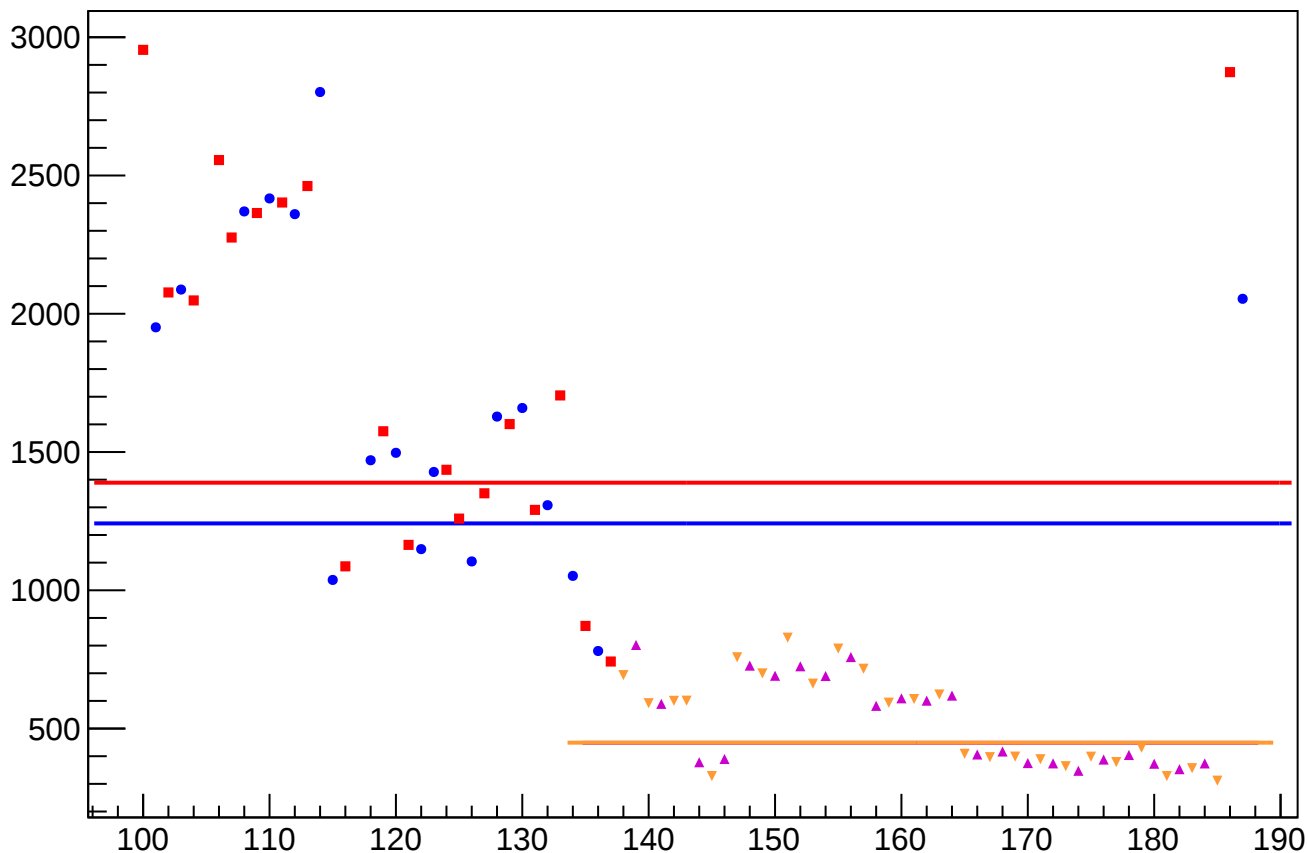
Left In: -93.310+/-111.960 χ^2/NDF : 33.3/22

+ sign 361.125+/-107.253 χ^2/NDF : 66.6/42

All: 149.360+/-76.682 χ^2/NDF : 124.0/85

- sign -72.083+/-109.677 χ^2/NDF : 49.4/42

asym_sam_26_avg_rms vs Slug



Right In: 1241.864+/-0.363 χ^2/NDF : 1789521.9/17

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1389.132+/-0.386 χ^2/NDF : 1950190.5/19

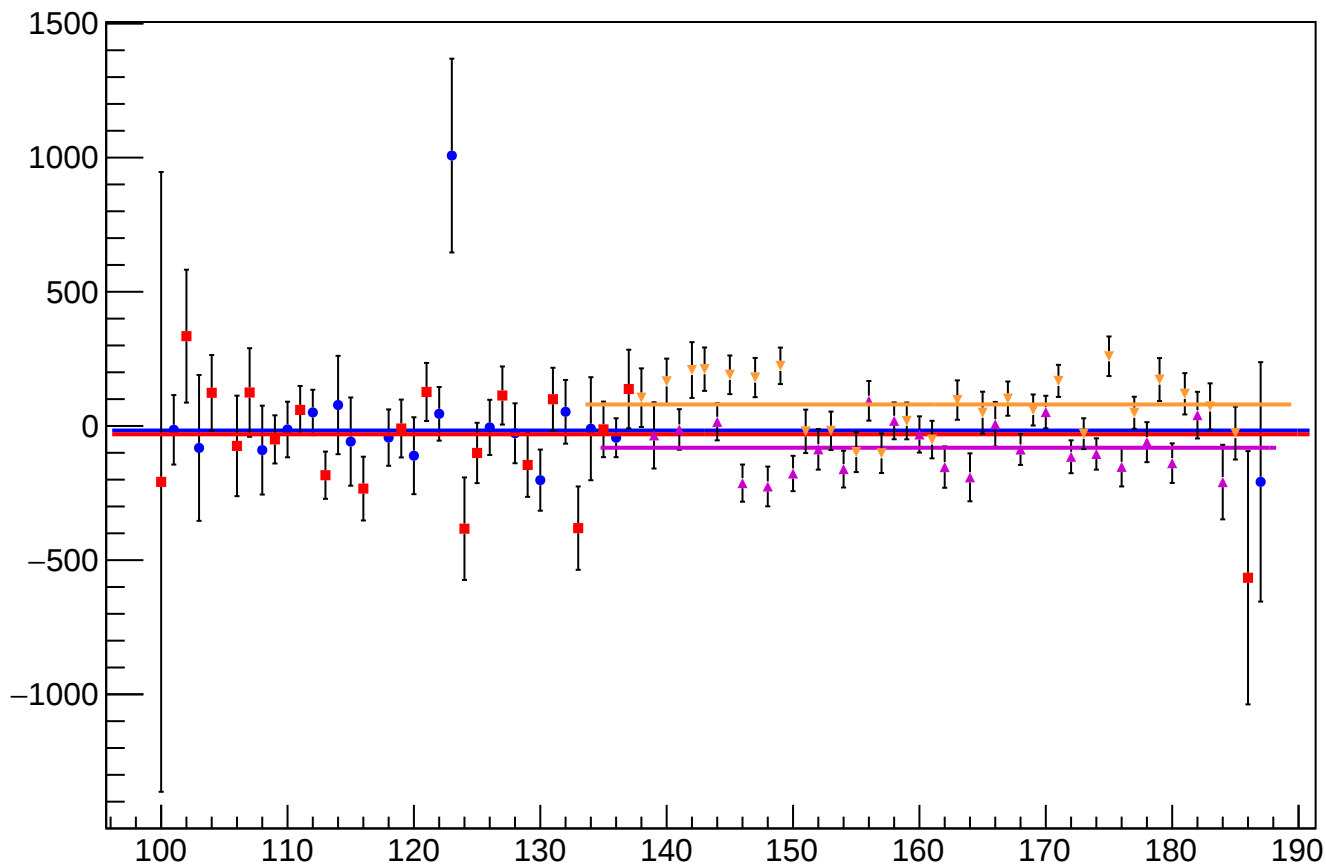
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 483.550+/-0.076 χ^2/NDF : 9433019.6/42

All: 484.889+/-0.054 χ^2/NDF : 19622889.2/85

- sign 486.290+/-0.078 χ^2/NDF : 10189231.7/42

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.007 ± 28.846 $\chi^2/\text{NDF}: 13.5/17$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -31.167 ± 28.000 $\chi^2/\text{NDF}: 28.9/19$

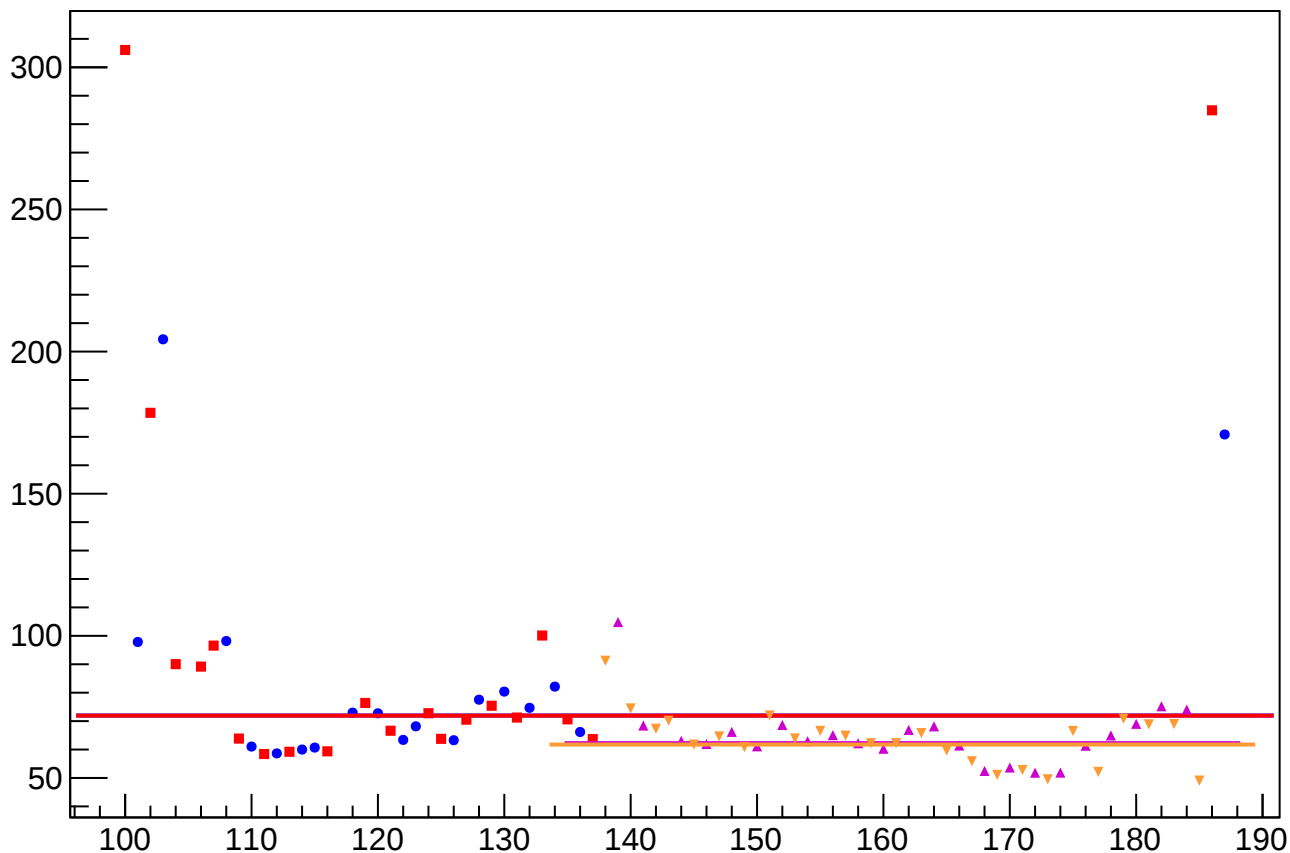
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 60.370 ± 13.021 $\chi^2/\text{NDF}: 71.1/42$

All: -3.406 ± 9.302 $\chi^2/\text{NDF}: 186.8/85$

- sign -69.887 ± 13.294 $\chi^2/\text{NDF}: 66.7/42$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.982 ± 0.020 $\chi^2/\text{NDF}: 857398.9/17$

Left Out: 61.761 ± 0.010 $\chi^2/\text{NDF}: 645535.0/24$

Right Out: 71.925 ± 0.020 $\chi^2/\text{NDF}: 1173726.3/19$

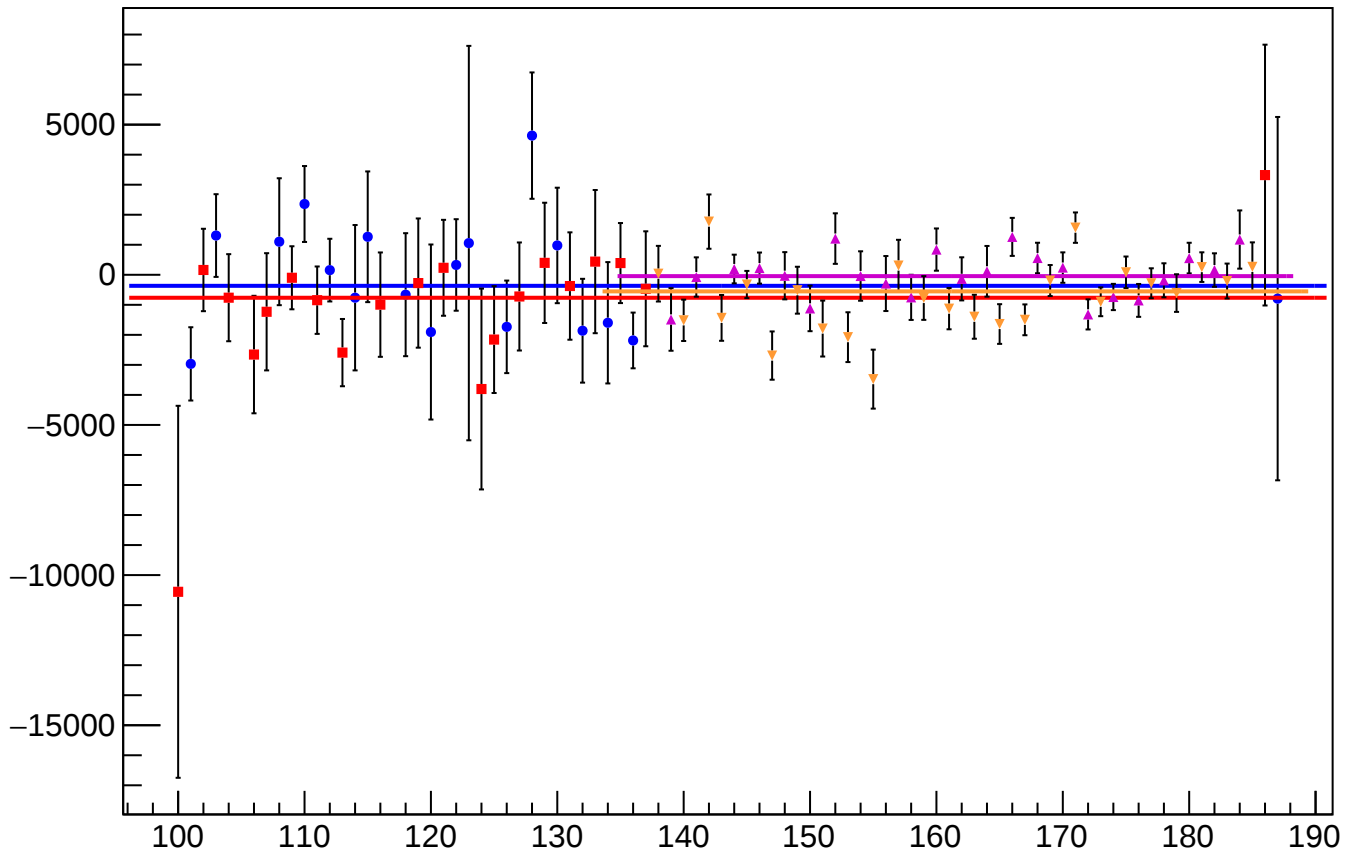
Left In: 62.250 ± 0.011 $\chi^2/\text{NDF}: 591085.1/22$

+ sign 63.844 ± 0.009 $\chi^2/\text{NDF}: 1702870.8/42$

All: 64.131 ± 0.007 $\chi^2/\text{NDF}: 3654629.6/85$

- sign 64.431 ± 0.009 $\chi^2/\text{NDF}: 1949767.0/42$

asym_sam_37_avg_correction_mean vs Slug



Right In: -367.449 ± 382.212 $\chi^2/\text{NDF}: 24.4/17$

Left Out: -552.511 ± 126.981 $\chi^2/\text{NDF}: 65.3/24$

Right Out: -764.987 ± 369.206 $\chi^2/\text{NDF}: 11.2/19$

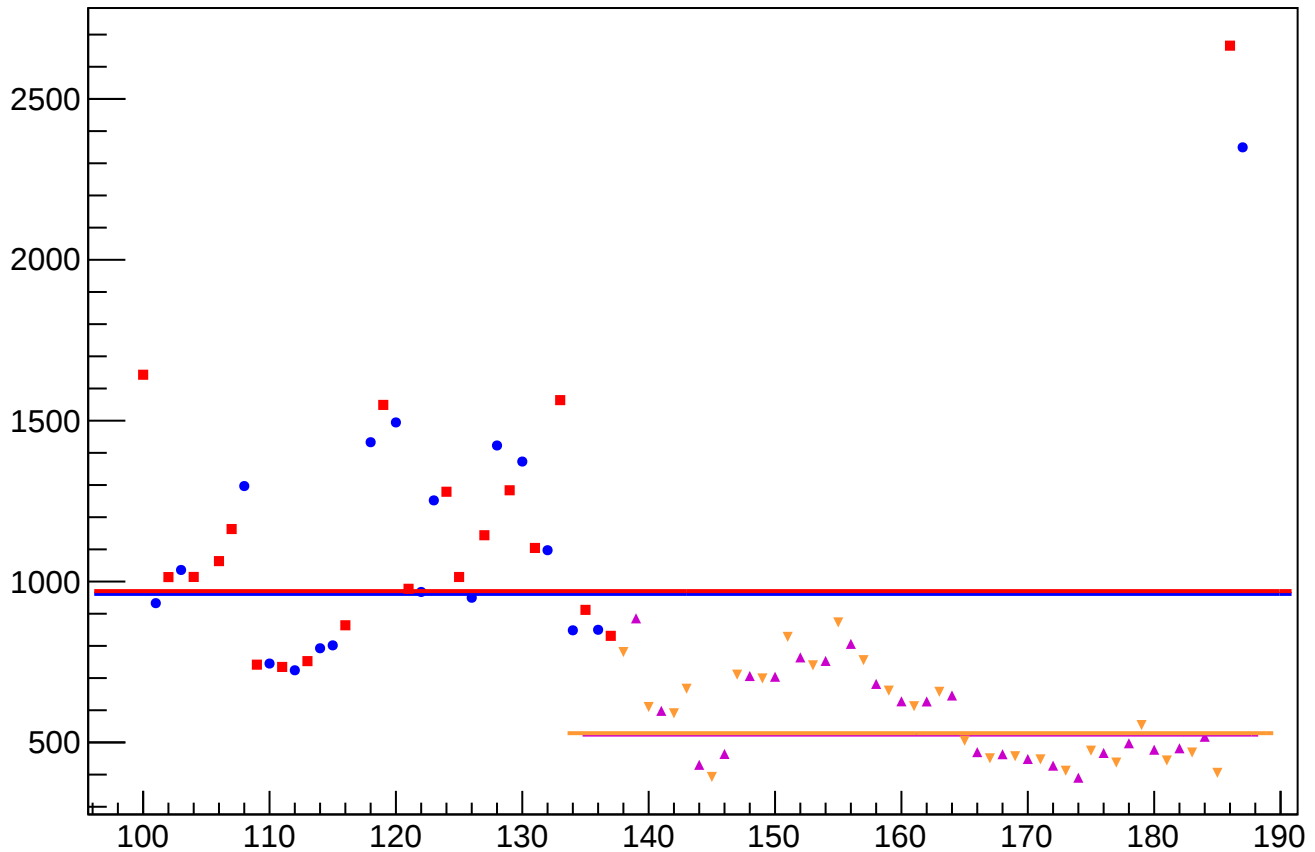
Left In: -44.578 ± 129.095 $\chi^2/\text{NDF}: 29.6/22$

+ sign -534.115 ± 120.505 $\chi^2/\text{NDF}: 89.9/42$

All: -330.886 ± 85.685 $\chi^2/\text{NDF}: 139.9/85$

- sign -123.059 ± 121.860 $\chi^2/\text{NDF}: 44.2/42$

asym_sam_37_avg_correction_rms vs Slug



Right In: 961.610 $\pm$ 0.270 χ^2 /NDF: 757385.5/17

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 970.304 $\pm$ 0.261 χ^2 /NDF: 1002673.8/19

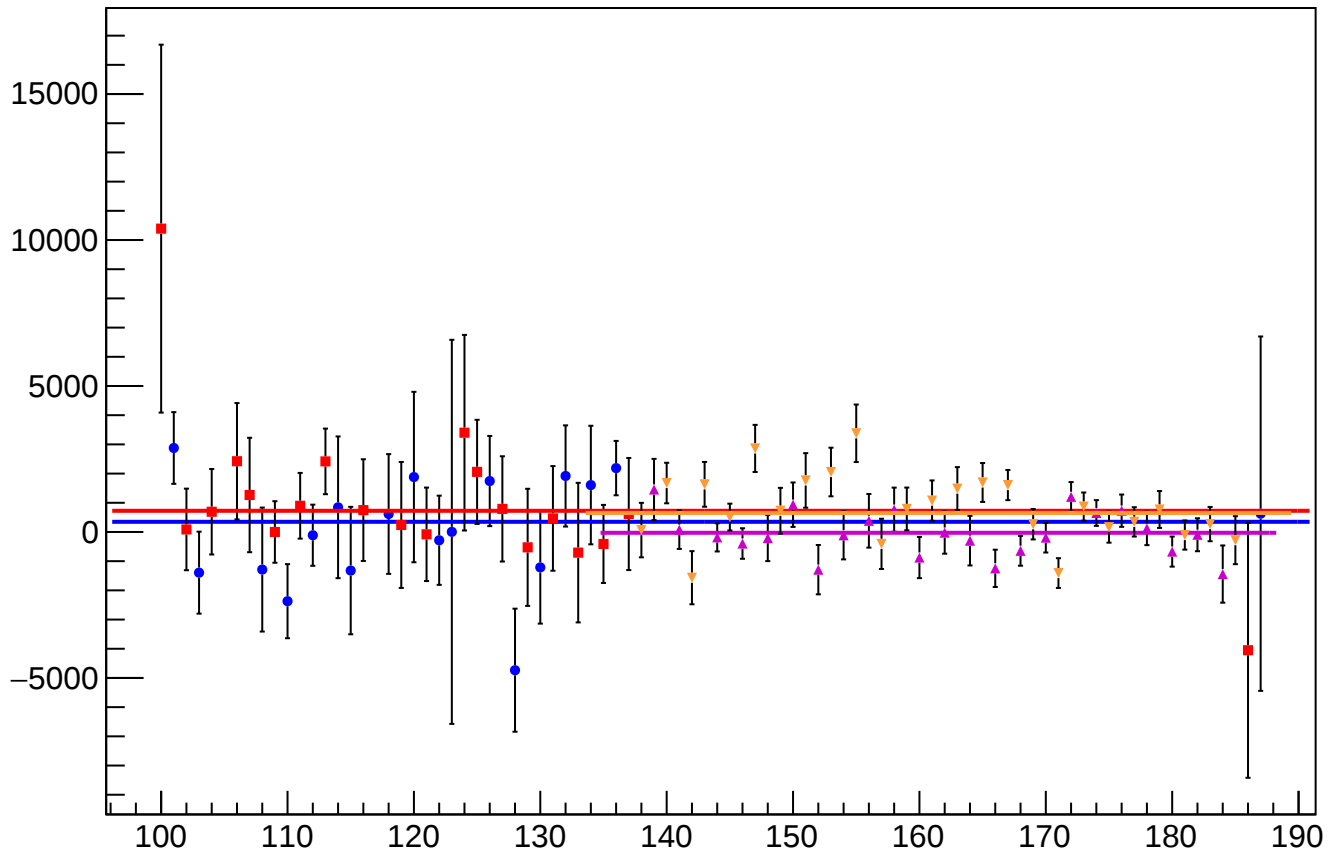
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 571.765 $\pm$ 0.085 χ^2 /NDF: 5051419.2/42

All: 572.306 $\pm$ 0.061 χ^2 /NDF: 10371421.7/85

- sign 572.859 $\pm$ 0.086 χ^2 /NDF: 5319920.9/42

asym_sam_37_avg_mean vs Slug



Right In: 348.275 ± 383.946 χ^2/NDF : 24.7/17

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 725.736 ± 371.076 χ^2/NDF : 10.3/19

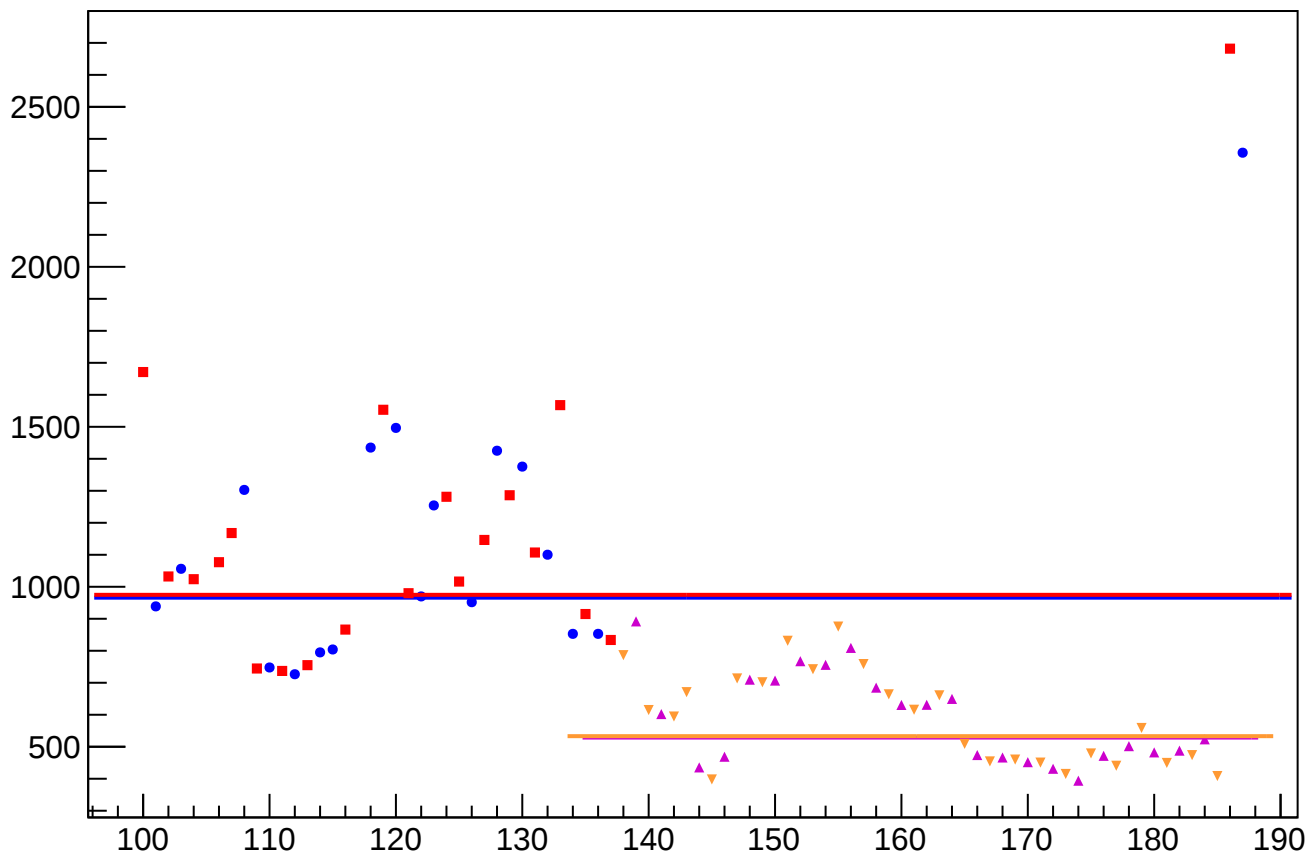
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 621.240 ± 121.397 χ^2/NDF : 86.3/42

All: 341.363 ± 86.331 χ^2/NDF : 139.5/85

- sign 54.999 ± 122.795 χ^2/NDF : 42.4/42

asym_sam_37_avg_rms vs Slug



Right In: 965.989 $\pm$ 0.271 χ^2 /NDF: 757212.9/17

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 974.834 $\pm$ 0.262 χ^2 /NDF: 1005730.0/19

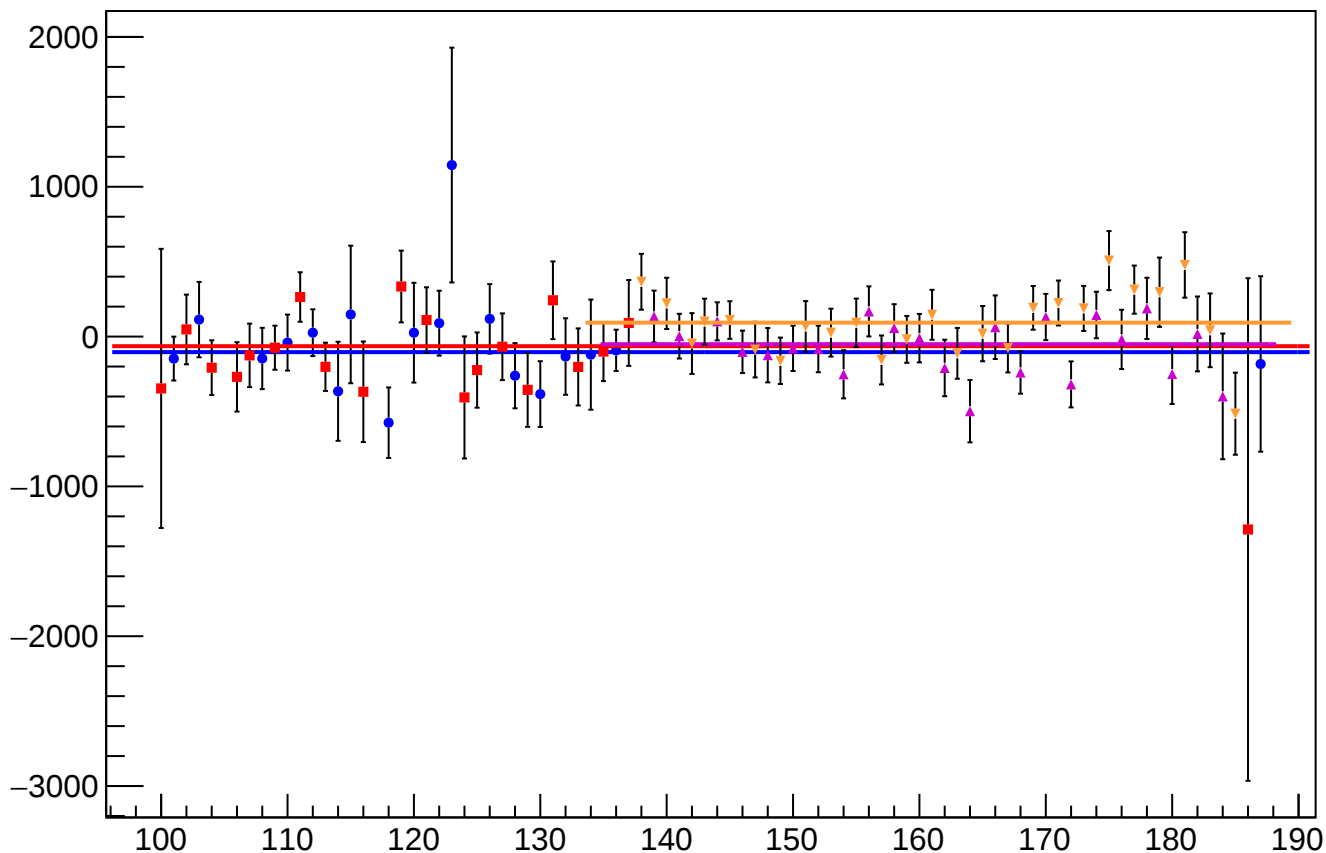
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 576.340 $\pm$ 0.086 χ^2 /NDF: 4997405.2/42

All: 576.938 $\pm$ 0.061 χ^2 /NDF: 10266154.5/85

- sign 577.549 $\pm$ 0.087 χ^2 /NDF: 5268651.3/42

reg_asym_sam_48_avg_mean vs Slug



Right In: -103.830 ± 52.806 χ^2/NDF : 13.2/17

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -64.210 ± 50.899 χ^2/NDF : 15.8/19

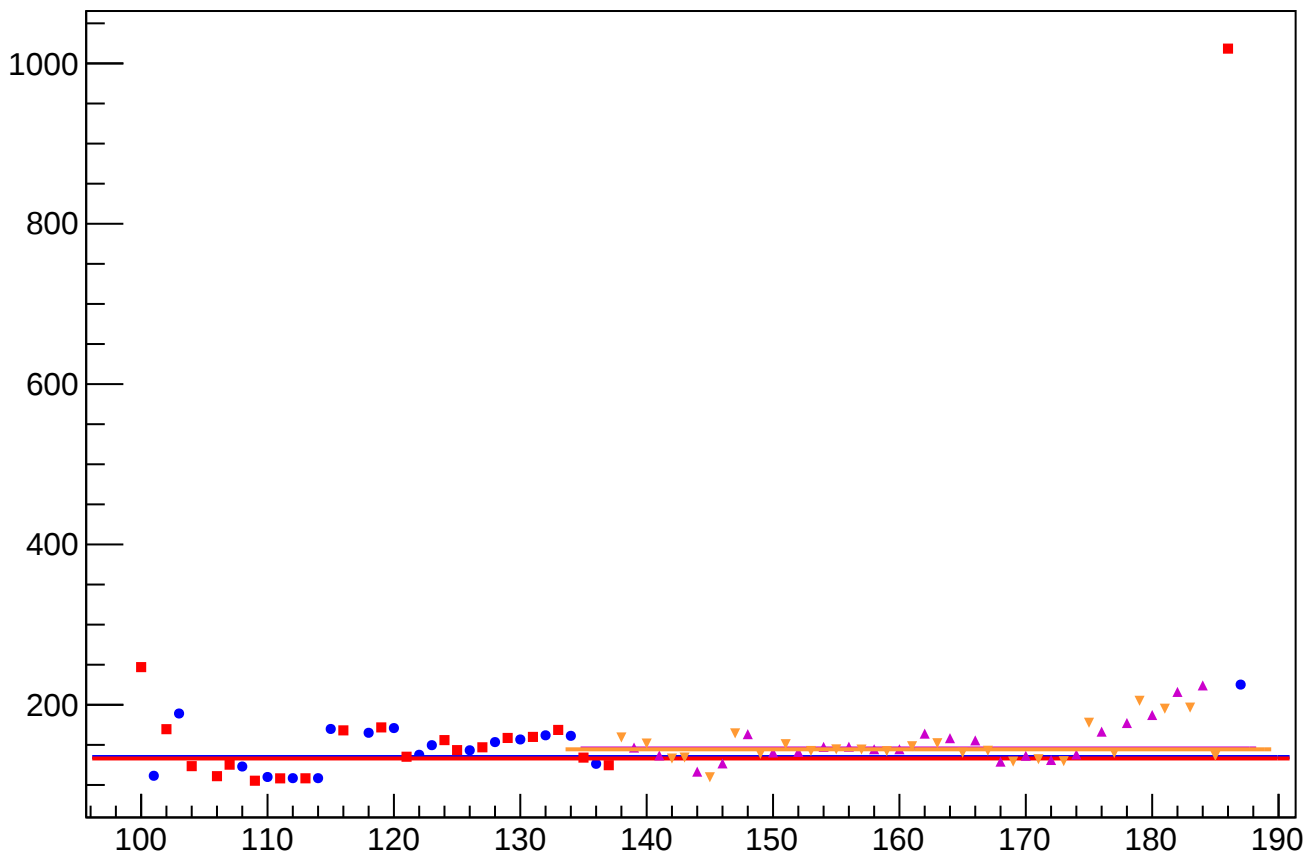
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 35.183 ± 28.619 χ^2/NDF : 52.4/42

All: -9.426 ± 20.368 χ^2/NDF : 96.6/85

- sign -55.216 ± 28.995 χ^2/NDF : 39.3/42

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.863+/-0.037 χ^2/NDF : 450455.3/17

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 133.055+/-0.036 χ^2/NDF : 1001281.9/19

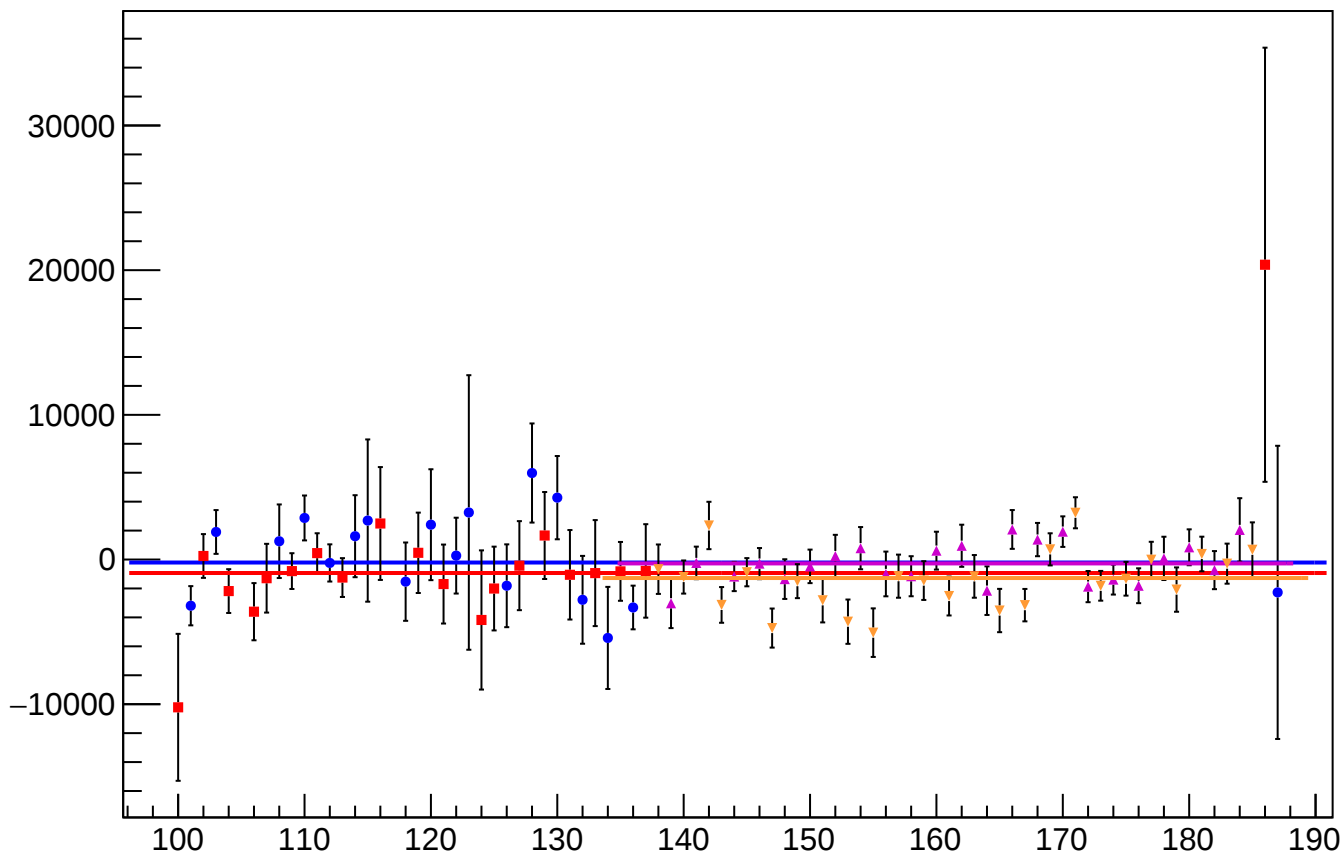
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 141.652+/-0.020 χ^2/NDF : 1167751.0/42

All: 141.569+/-0.014 χ^2/NDF : 2893808.1/85

- sign 141.485+/-0.021 χ^2/NDF : 1726023.5/42

asym_sam_48_avg_correction_mean vs Slug



Right In: -207.279 ± 524.185 χ^2/NDF : 25.8/17

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -931.858 ± 481.328 χ^2/NDF : 12.0/19

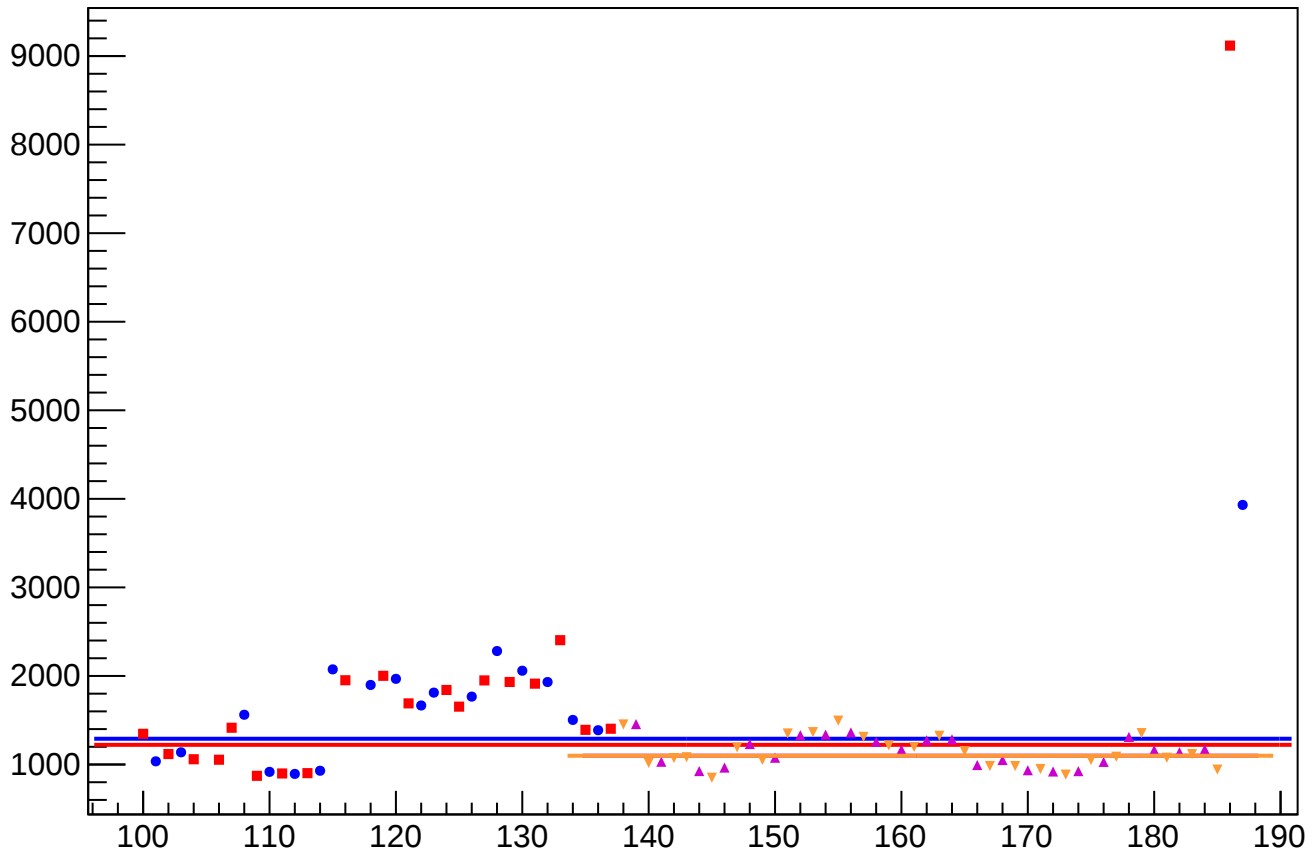
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1068.571 ± 232.417 χ^2/NDF : 85.1/42

All: -747.574 ± 164.542 χ^2/NDF : 126.7/85

- sign -425.028 ± 232.978 χ^2/NDF : 37.8/42

asym_sam_48_avg_correction_rms vs Slug



Right In: 1290.968 $\pm$ 0.371 χ^2 /NDF: 1307838.6/17

Left Out: 1098.909 $\pm$ 0.183 χ^2 /NDF: 824328.7/24

Right Out: 1222.296 $\pm$ 0.340 χ^2 /NDF: 1915293.5/19

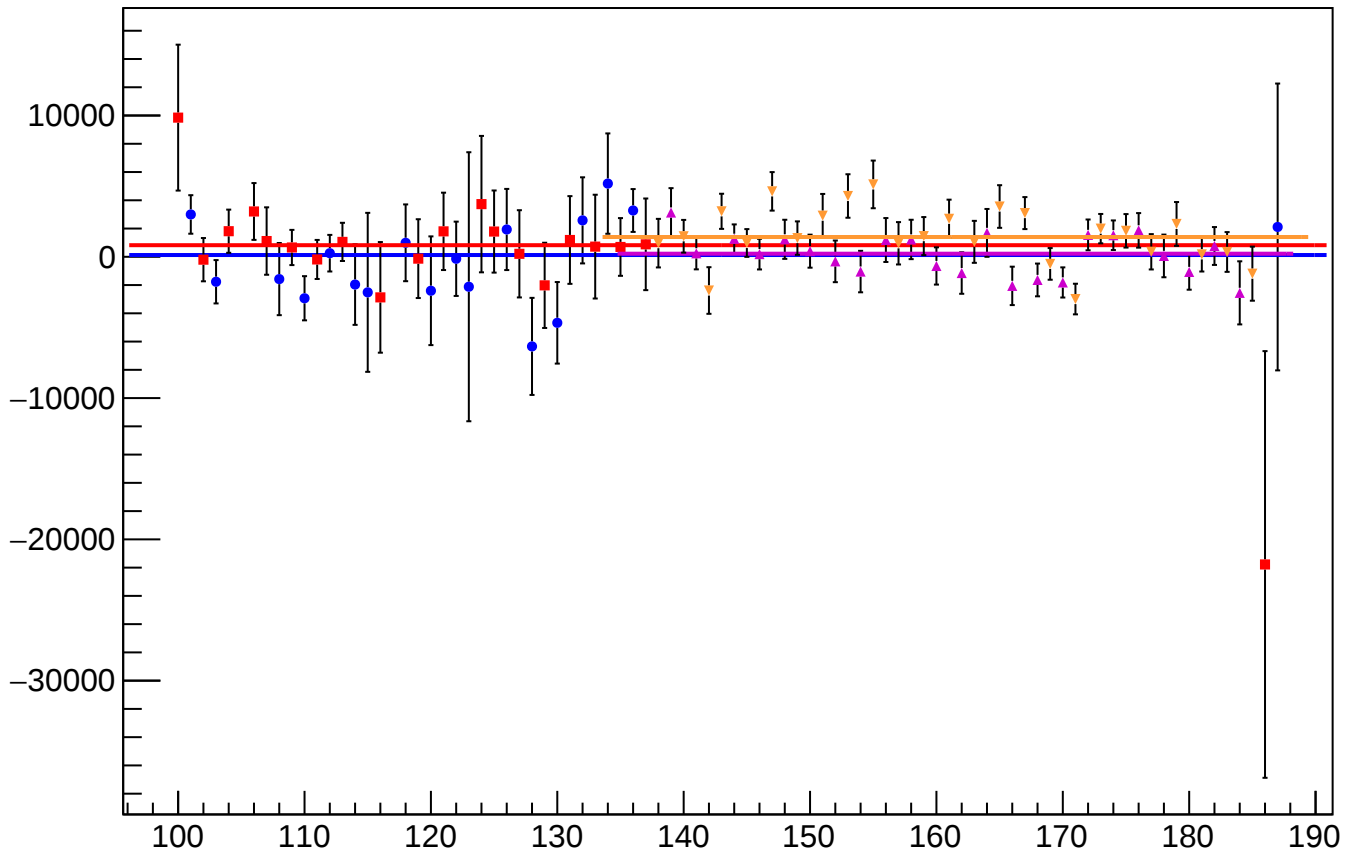
Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

+ sign 1136.666 $\pm$ 0.164 χ^2 /NDF: 2347873.8/42

All: 1132.510 $\pm$ 0.116 χ^2 /NDF: 5043881.3/85

- sign 1128.335 $\pm$ 0.165 χ^2 /NDF: 2694725.6/42

asym_sam_48_avg_mean vs Slug



Right In: 125.591 $\pm$ 527.591 χ^2 /NDF: 25.3/17

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF:52.2/24

Right Out: 821.701 $\pm$ 485.014 χ^2 /NDF: 10.7/19

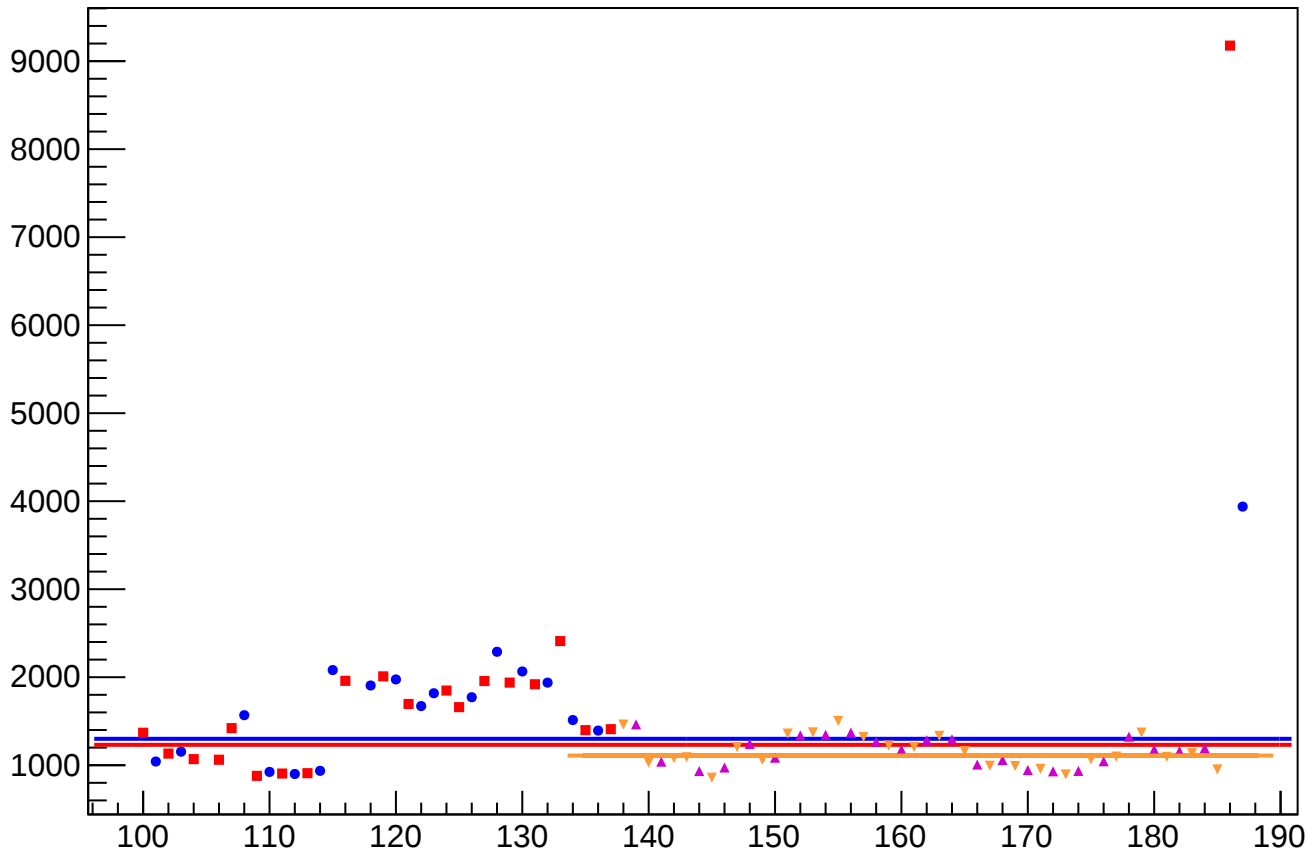
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF:25.0/22

+ sign 1148.562 $\pm$ 234.518 χ^2 /NDF: 82.3/42

All: 755.811 $\pm$ 166.049 χ^2 /NDF: 124.8/85

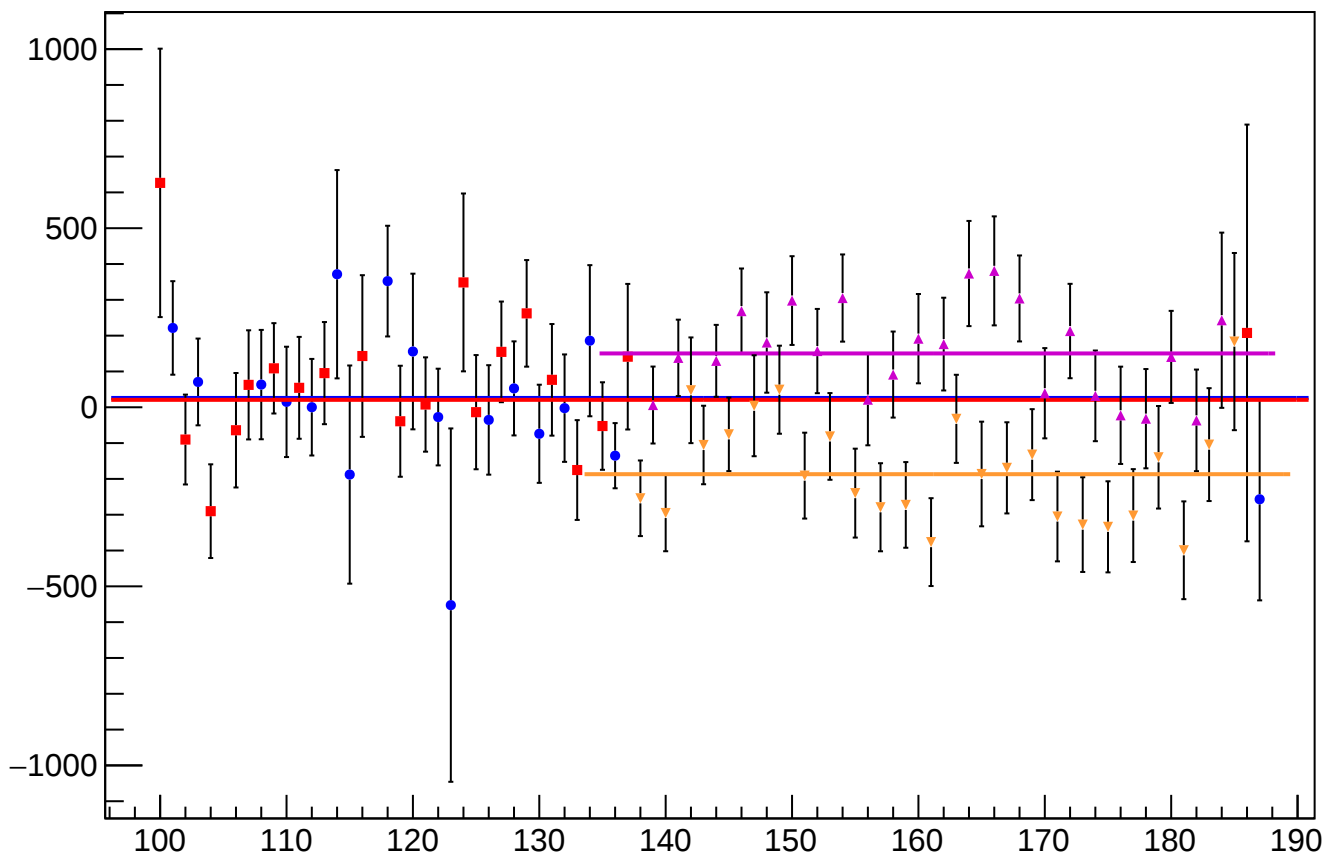
- sign 360.963 $\pm$ 235.142 χ^2 /NDF: 36.9/42

asym_sam_48_avg_rms vs Slug



Right In: 1300.139+/-0.373 χ^2/NDF : 1294245.4/17 + sign 1147.377+/-0.166 χ^2/NDF : 2315382.2/42
 Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24 All: 1143.235+/-0.117 χ^2/NDF : 4982403.5/85
 Right Out: 1231.918+/-0.343 χ^2/NDF : 1900028.3/19 - sign 1139.071+/-0.166 χ^2/NDF : 2665770.1/42
 Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

reg_asym_sam_15_dd_mean vs Slug



Right In: 26.028+/-36.137 χ^2/NDF : 16.2/17

Left Out: -186.838+/-25.308 χ^2/NDF : 26.6/24

Right Out: 20.777+/-34.712 χ^2/NDF : 18.9/19

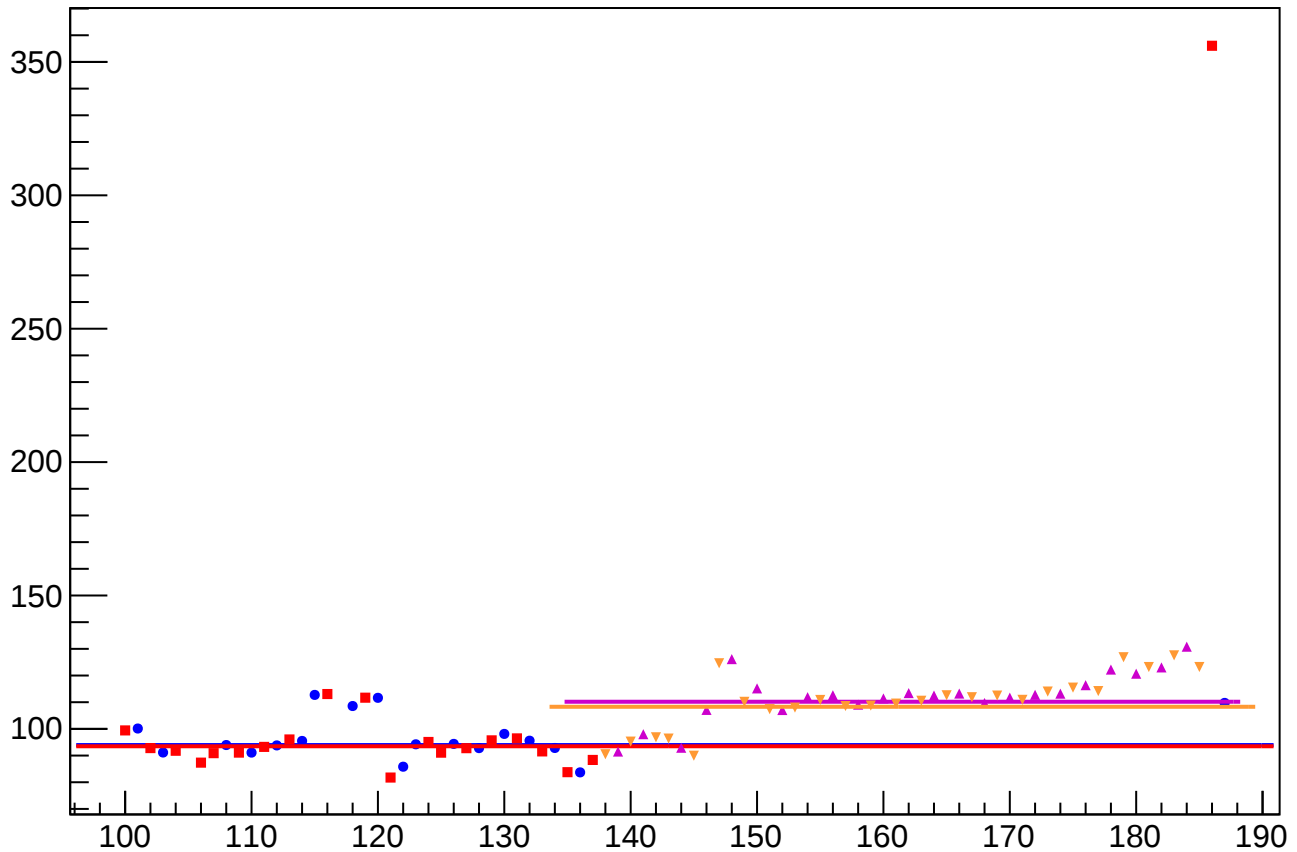
Left In: 150.315+/-26.445 χ^2/NDF : 20.7/22

+ sign -116.790+/-20.730 χ^2/NDF : 66.1/42

All: -8.631+/-14.765 χ^2/NDF : 169.8/85

- sign 102.743+/-21.036 χ^2/NDF : 48.4/42

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.934+/-0.026 χ^2/NDF : 86246.0/17

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 93.483+/-0.025 χ^2/NDF : 487698.7/19

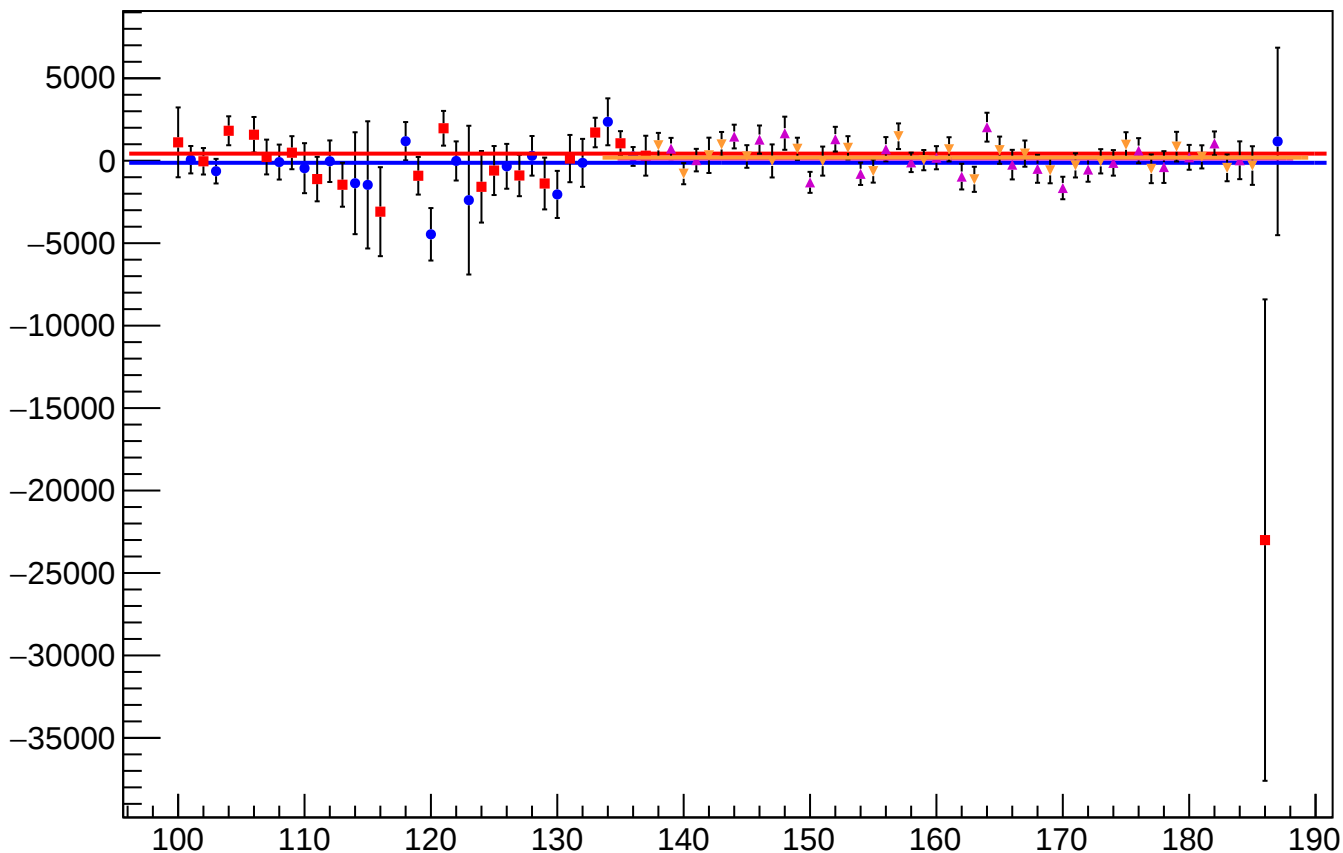
Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

+ sign 103.564+/-0.015 χ^2/NDF : 628640.5/42

All: 103.800+/-0.010 χ^2/NDF : 1656403.5/85

- sign 104.044+/-0.015 χ^2/NDF : 1027235.5/42

asym_sam_15_dd_correction_mean vs Slug



Right In: -124.920 $\pm$ 276.739 χ^2 /NDF: 15.3/17

Left Out: 185.392 $\pm$ 153.683 χ^2 /NDF: 18.4/24

Right Out: 430.619 $\pm$ 260.652 χ^2 /NDF: 21.8/19

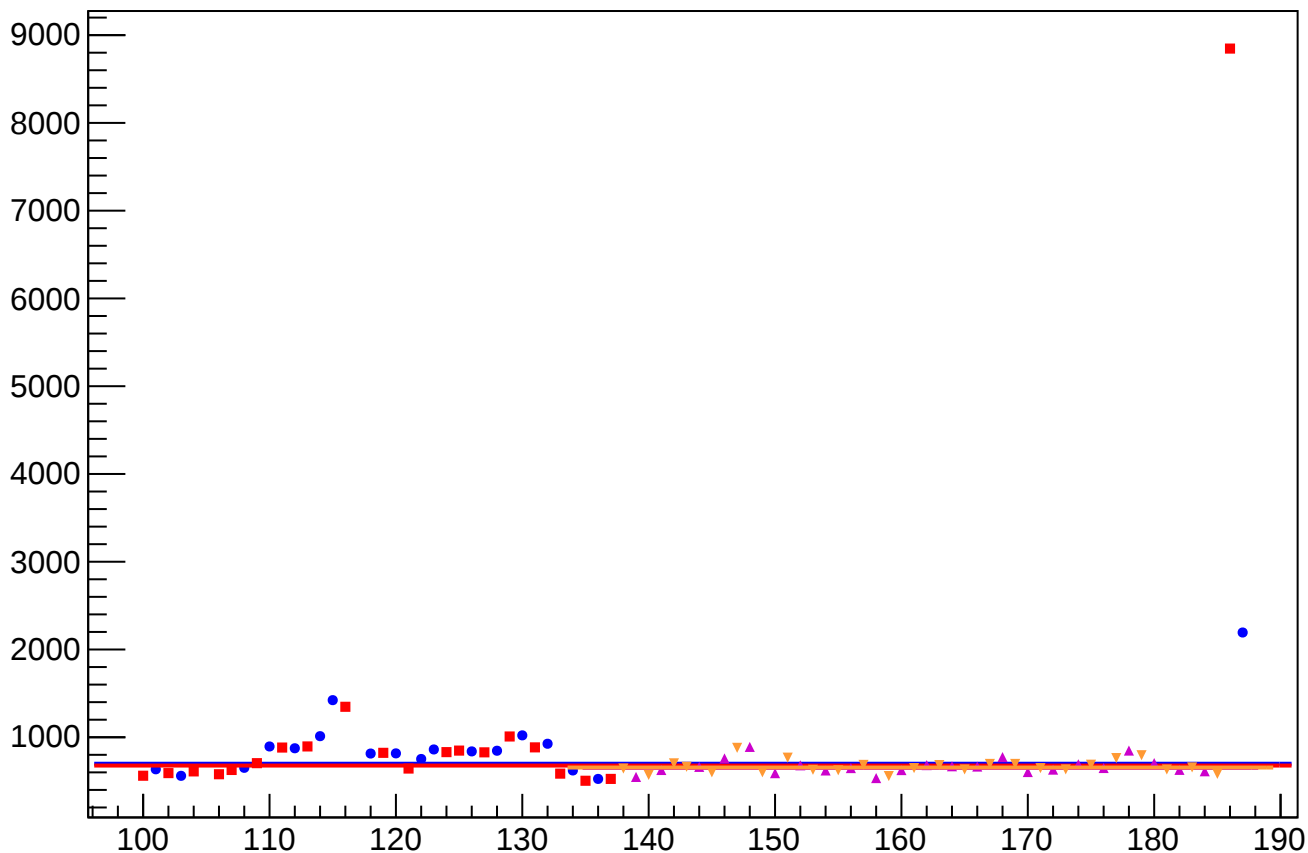
Left In: 128.782 $\pm$ 157.155 χ^2 /NDF: 36.2/22

+ sign 112.250 $\pm$ 134.356 χ^2 /NDF: 34.7/42

All: 160.669 $\pm$ 95.085 χ^2 /NDF: 93.9/85

- sign 209.254 $\pm$ 134.585 χ^2 /NDF: 59.0/42

asym_sam_15_dd_correction_rms vs Slug



Right In: 698.354 $\pm$ 0.196 χ^2 /NDF: 816533.4/17

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 677.592 $\pm$ 0.184 χ^2 /NDF: 1306343.2/19

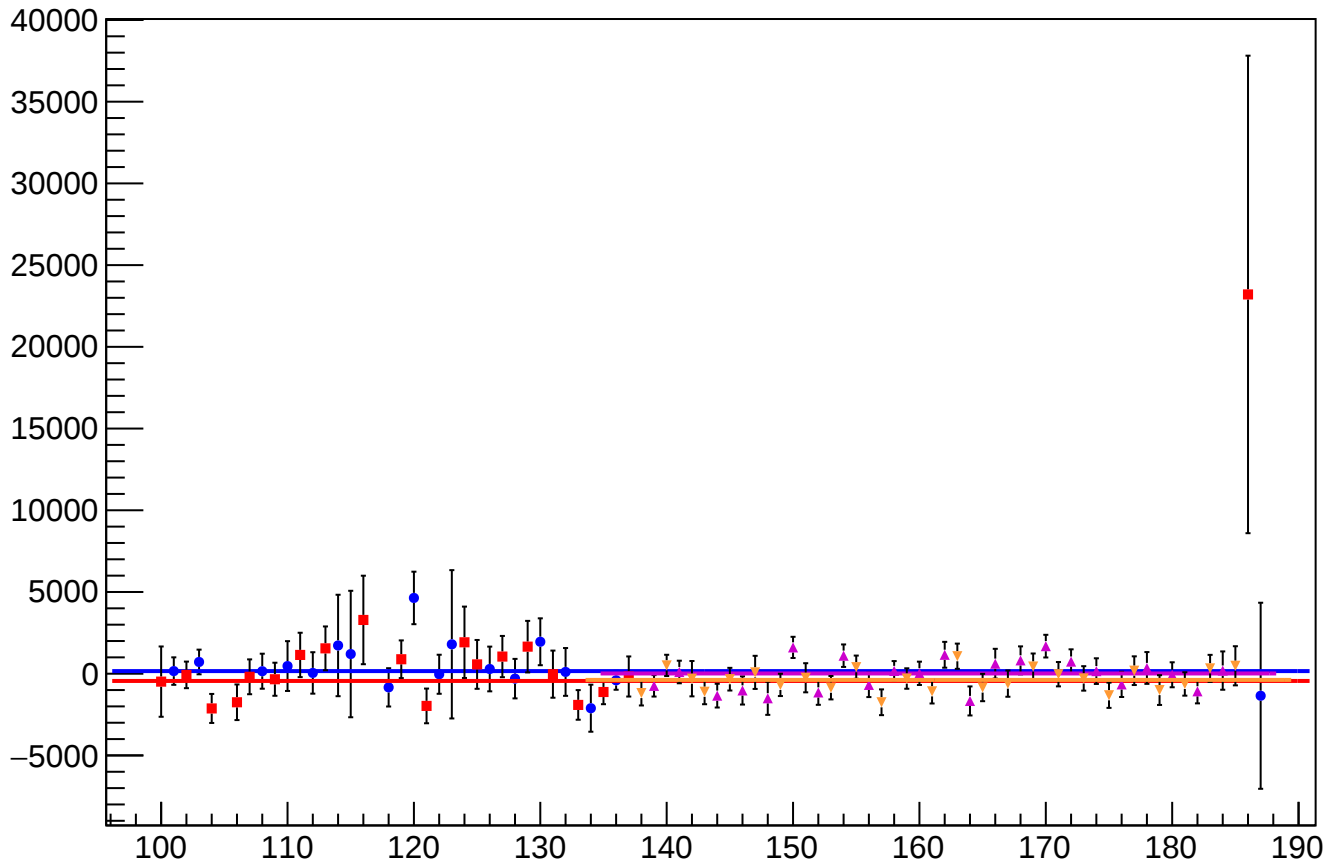
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 665.338 $\pm$ 0.095 χ^2 /NDF: 1221130.9/42

All: 661.677 $\pm$ 0.067 χ^2 /NDF: 3011966.1/85

- sign 658.004 $\pm$ 0.095 χ^2 /NDF: 1787860.8/42

asym_sam_15_dd_mean vs Slug



Right In: 159.865 ± 279.499 χ^2/NDF : 14.8/17

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -443.202 ± 263.343 χ^2/NDF : 25.2/19

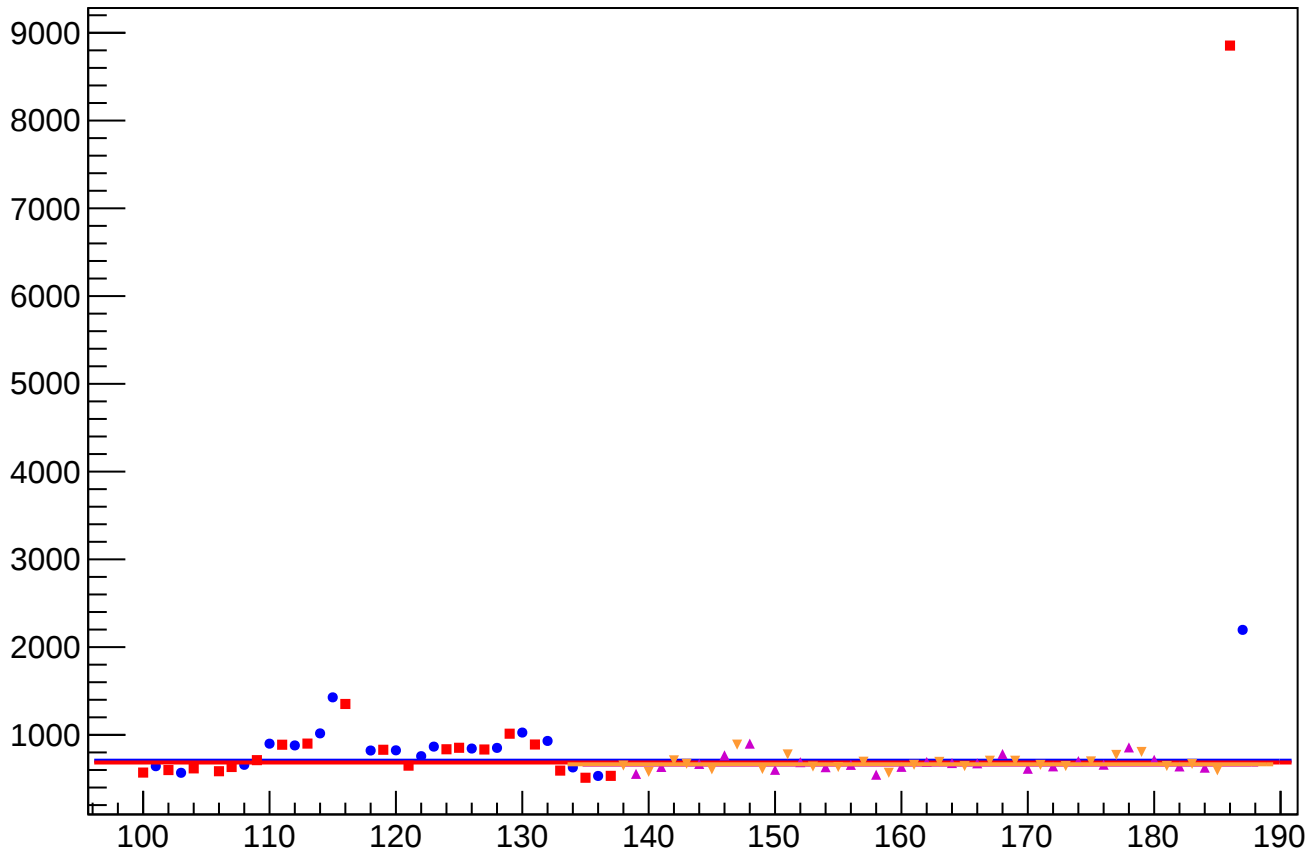
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -251.498 ± 136.147 χ^2/NDF : 36.4/42

All: -179.981 ± 96.372 χ^2/NDF : 101.6/85

- sign -108.160 ± 136.436 χ^2/NDF : 64.6/42

asym_sam_15_dd_rms vs Slug



Right In: 705.868 $\pm$ 0.198 χ^2 /NDF: 798184.0/17

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF:357053.8/24

Right Out: 685.161 $\pm$ 0.186 χ^2 /NDF: 1288451.6/19

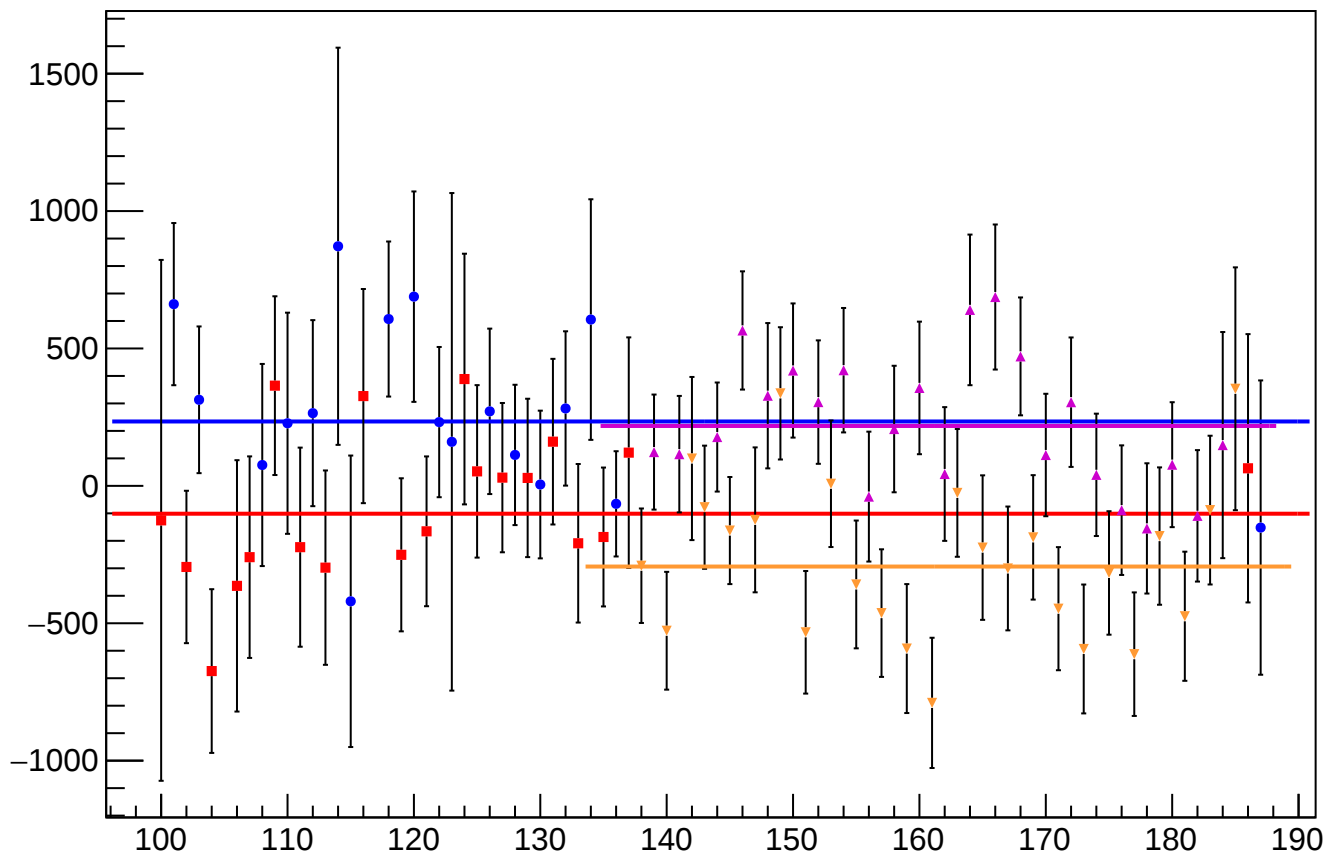
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF:449180.0/22

+ sign 674.524 $\pm$ 0.096 χ^2 /NDF: 1188216.0/42

All: 670.972 $\pm$ 0.068 χ^2 /NDF: 2941003.8/85

- sign 667.405 $\pm$ 0.096 χ^2 /NDF: 1750059.8/42

reg_asym_sam_26_dd_mean vs Slug



Right In: 234.322 ± 75.348 χ^2/NDF : 12.5/17

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -101.348 ± 73.576 χ^2/NDF : 12.0/19

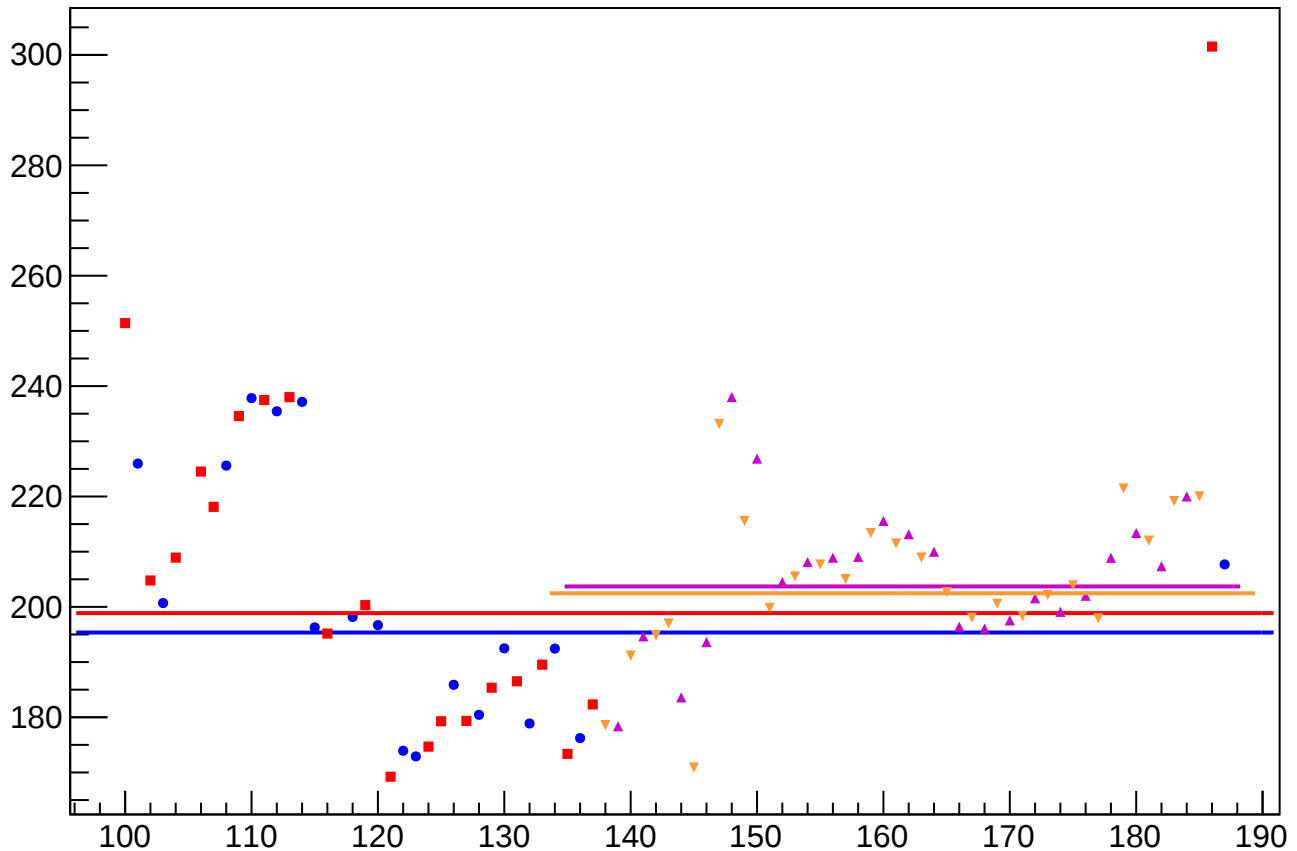
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -144.801 ± 40.002 χ^2/NDF : 78.1/42

All: -14.448 ± 28.522 χ^2/NDF : 146.0/85

- sign 120.358 ± 40.679 χ^2/NDF : 46.3/42

reg_asym_sam_26_dd_rms vs Slug



Right In: 195.354 ± 0.053 χ^2/NDF : 143622.4/17

Left Out: 202.459 ± 0.033 χ^2/NDF : 158582.3/24

Right Out: 198.873 ± 0.052 χ^2/NDF : 261820.1/19

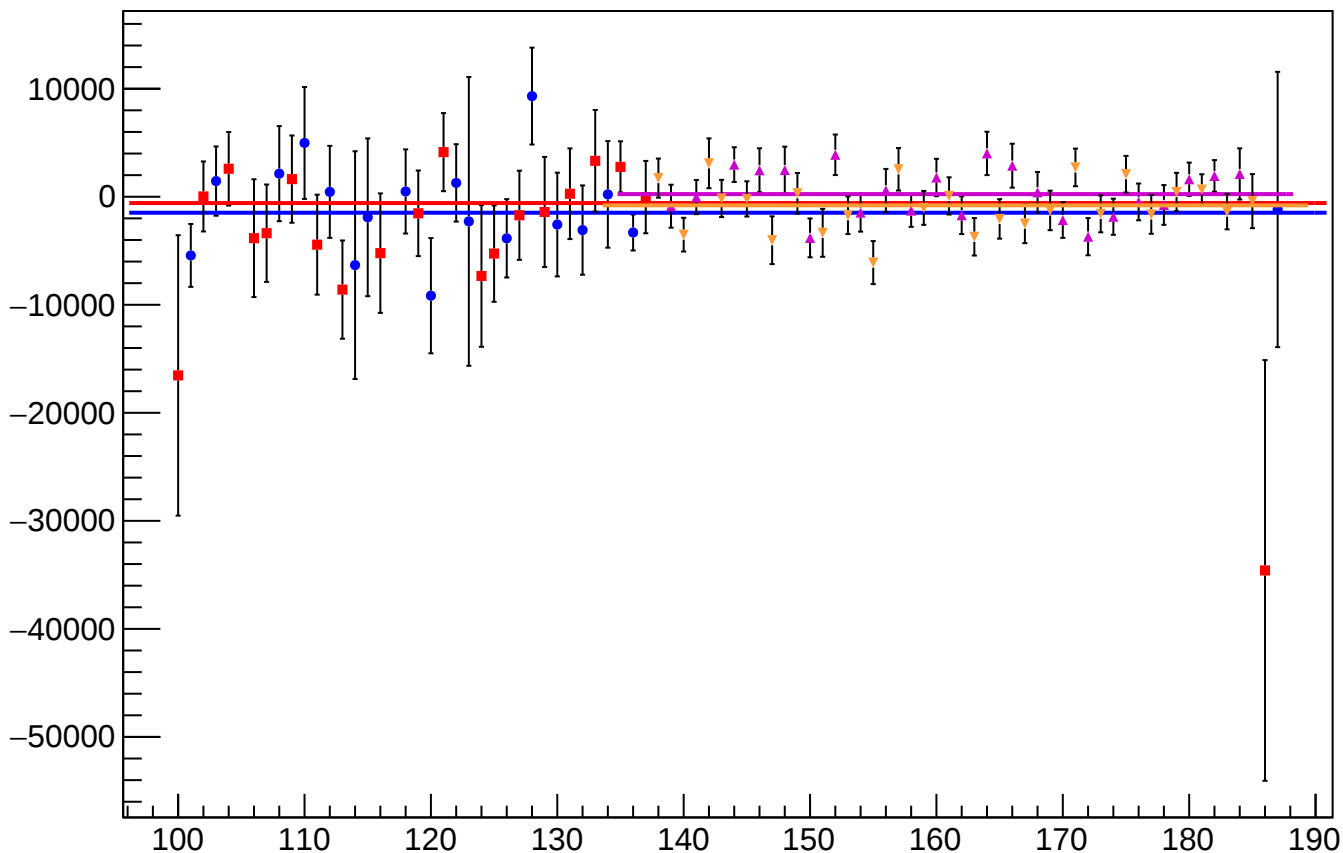
Left In: 203.699 ± 0.035 χ^2/NDF : 136193.4/22

+ sign 200.456 ± 0.028 χ^2/NDF : 314975.4/42

All: 201.325 ± 0.020 χ^2/NDF : 720882.8/85

- sign 202.224 ± 0.029 χ^2/NDF : 403988.0/42

asym_sam_26_dd_correction_mean vs Slug



Right In: -1479.222 ± 910.229 χ^2/NDF : 16.0/17

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -582.409 ± 935.461 χ^2/NDF : 17.8/19

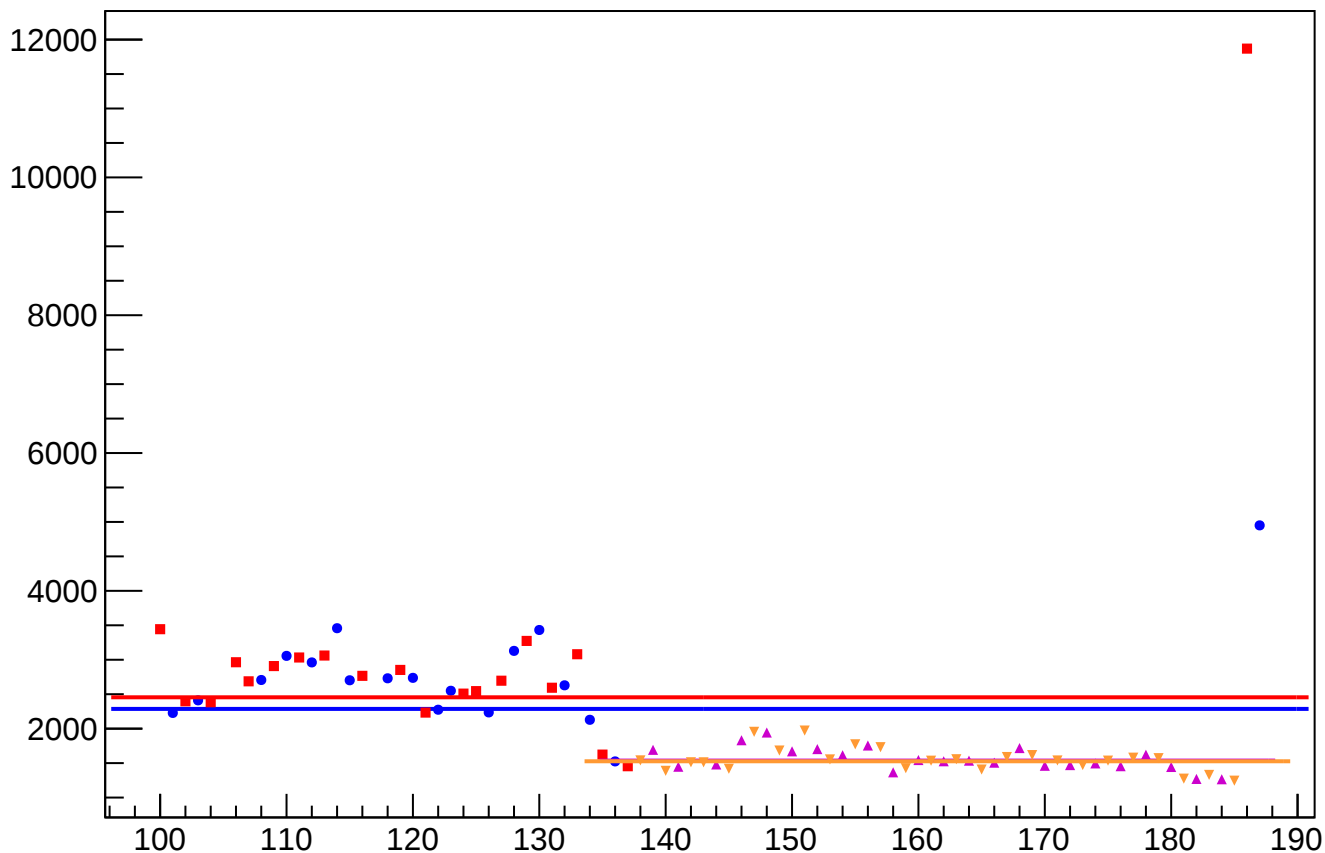
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -887.921 ± 333.038 χ^2/NDF : 52.2/42

All: -393.783 ± 239.255 χ^2/NDF : 110.9/85

- sign 133.238 ± 343.941 χ^2/NDF : 54.2/42

asym_sam_26_dd_correction_rms vs Slug



Right In: 2286.611 $\pm$ 0.644 χ^2 /NDF: 894735.6/17

Left Out: 1526.712 $\pm$ 0.253 χ^2 /NDF: 394892.7/24

Right Out: 2455.028 $\pm$ 0.661 χ^2 /NDF: 1151368.0/19

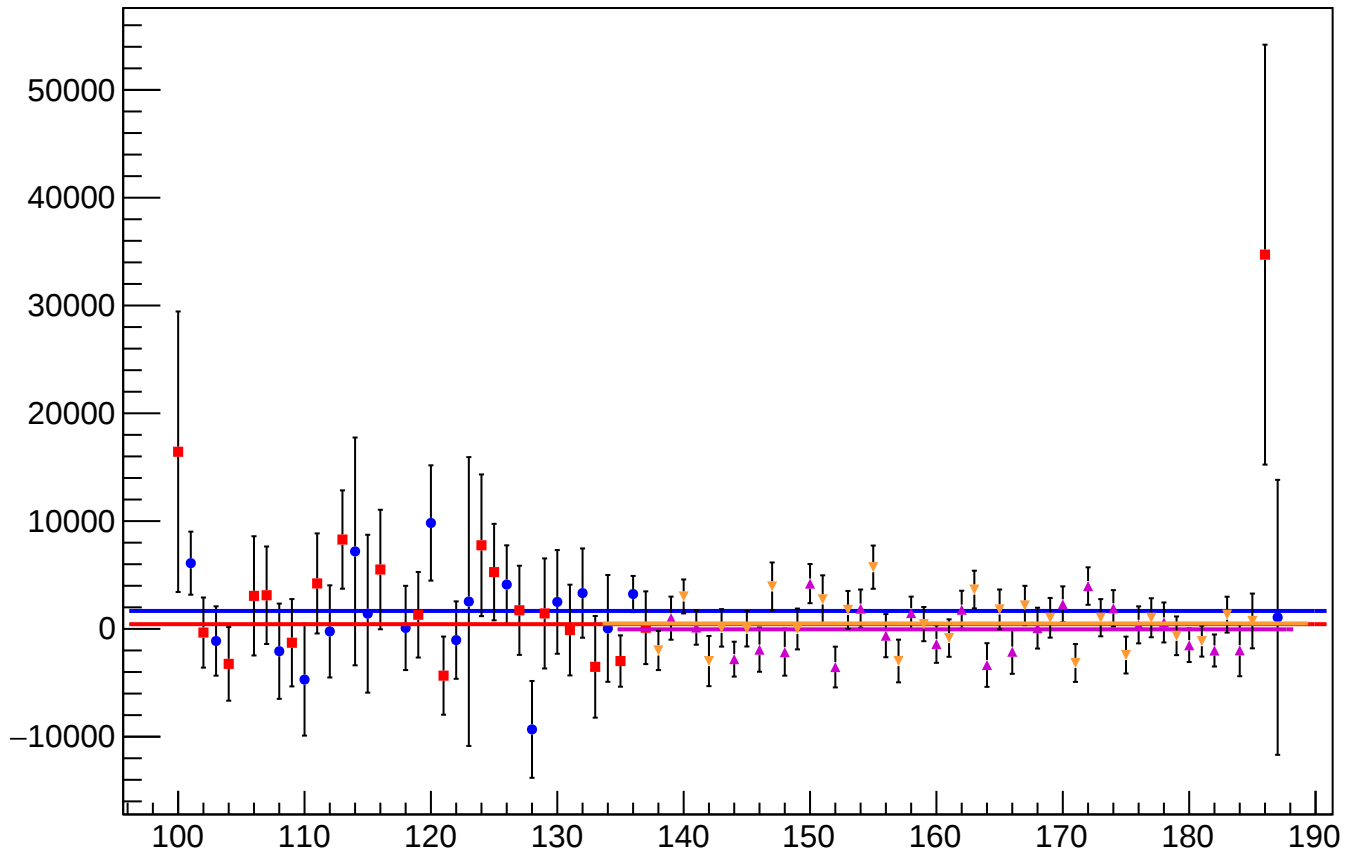
Left In: 1536.538 $\pm$ 0.262 χ^2 /NDF: 350373.3/22

+ sign 1628.440 $\pm$ 0.235 χ^2 /NDF: 2496951.7/42

All: 1644.051 $\pm$ 0.169 χ^2 /NDF: 5675224.9/85

- sign 1660.700 $\pm$ 0.243 χ^2 /NDF: 3169192.2/42

asym_sam_26_dd_mean vs Slug



Right In: 1665.563 $\pm$ 914.236 χ^2/NDF : 16.4/17

Left Out: 507.982 $\pm$ 361.172 χ^2/NDF : 35.4/24

Right Out: 438.587 $\pm$ 939.273 χ^2/NDF : 18.2/19

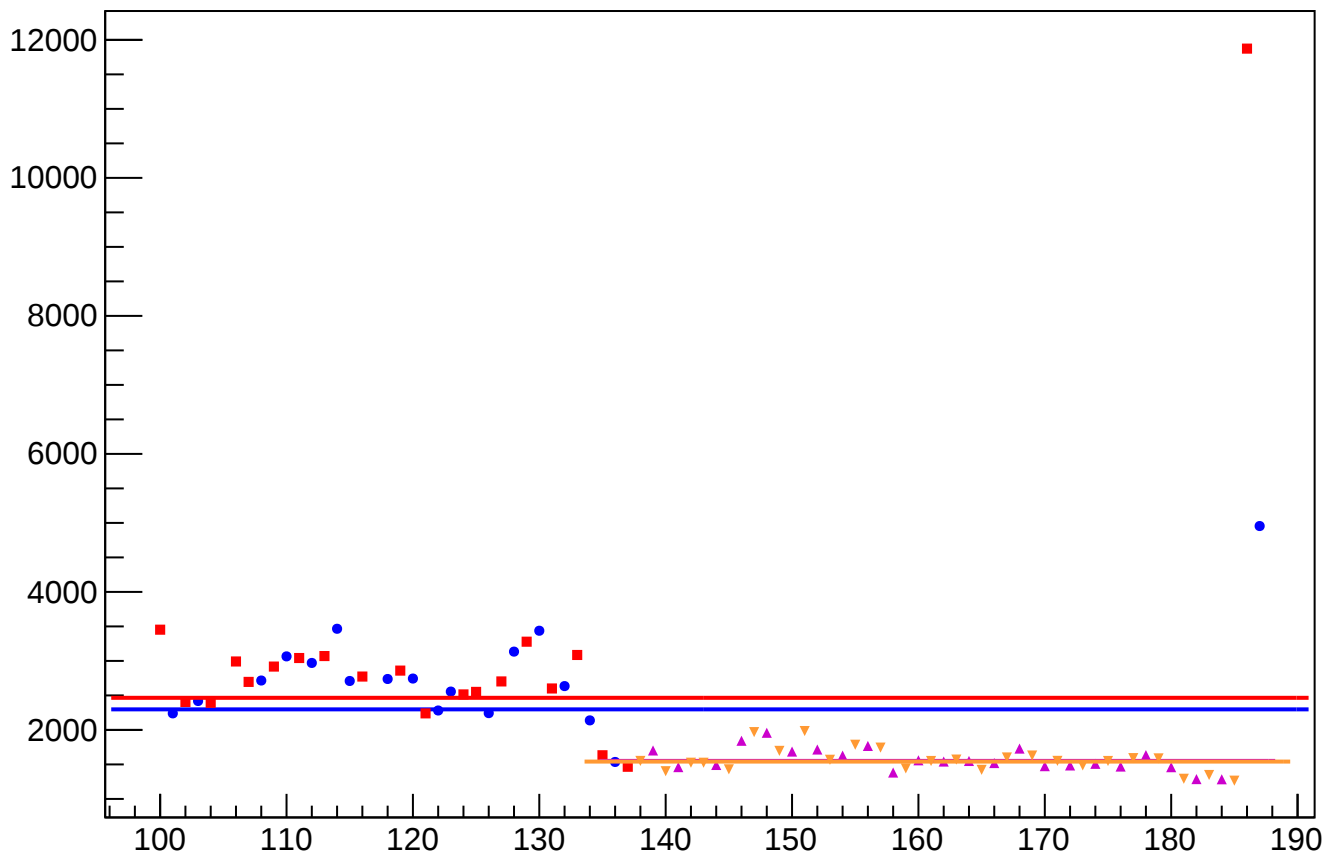
Left In: -40.080 $\pm$ 373.261 χ^2/NDF : 33.6/22

+ sign 664.253 $\pm$ 335.910 χ^2/NDF : 53.2/42

All: 354.988 $\pm$ 241.308 χ^2/NDF : 106.9/85

- sign 25.203 $\pm$ 346.875 χ^2/NDF : 52.0/42

asym_sam_26_dd_rms vs Slug



Right In: 2297.909 $\pm$ 0.646 χ^2 /NDF: 882460.0/17

Left Out: 1541.258 $\pm$ 0.255 χ^2 /NDF: 382045.4/24

Right Out: 2465.371 $\pm$ 0.664 χ^2 /NDF: 1142558.3/19

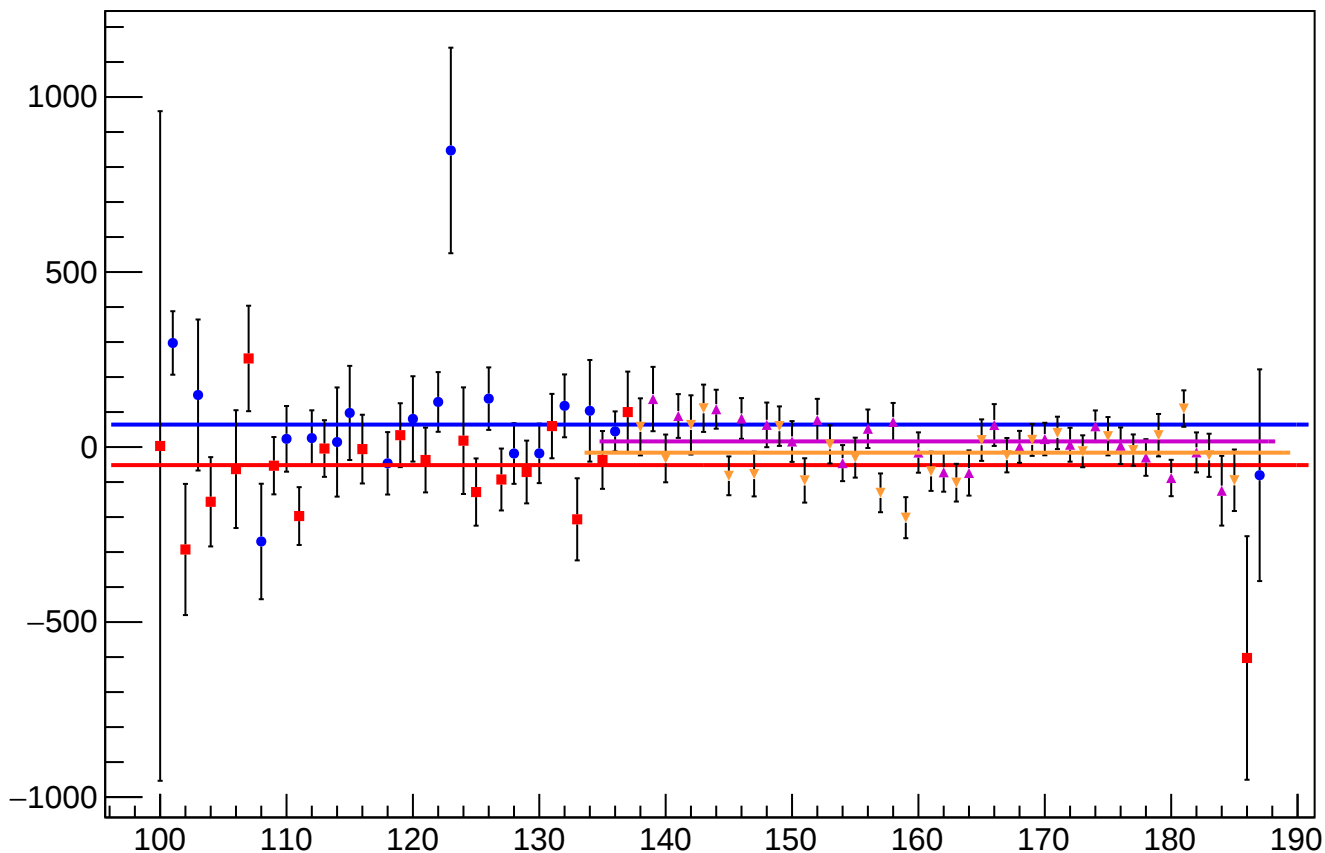
Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

+ sign 1643.405 $\pm$ 0.238 χ^2 /NDF: 2449512.6/42

All: 1659.063 $\pm$ 0.171 χ^2 /NDF: 5576586.2/85

- sign 1675.760 $\pm$ 0.245 χ^2 /NDF: 3118093.9/42

reg_asym_sam_37_dd_mean vs Slug



Right In: 64.187 $\pm$ 23.720 χ^2 /NDF: 24.0/17

Left Out: -16.049 $\pm$ 11.340 χ^2 /NDF: 39.7/24

Right Out: -51.591 $\pm$ 23.676 χ^2 /NDF: 19.6/19

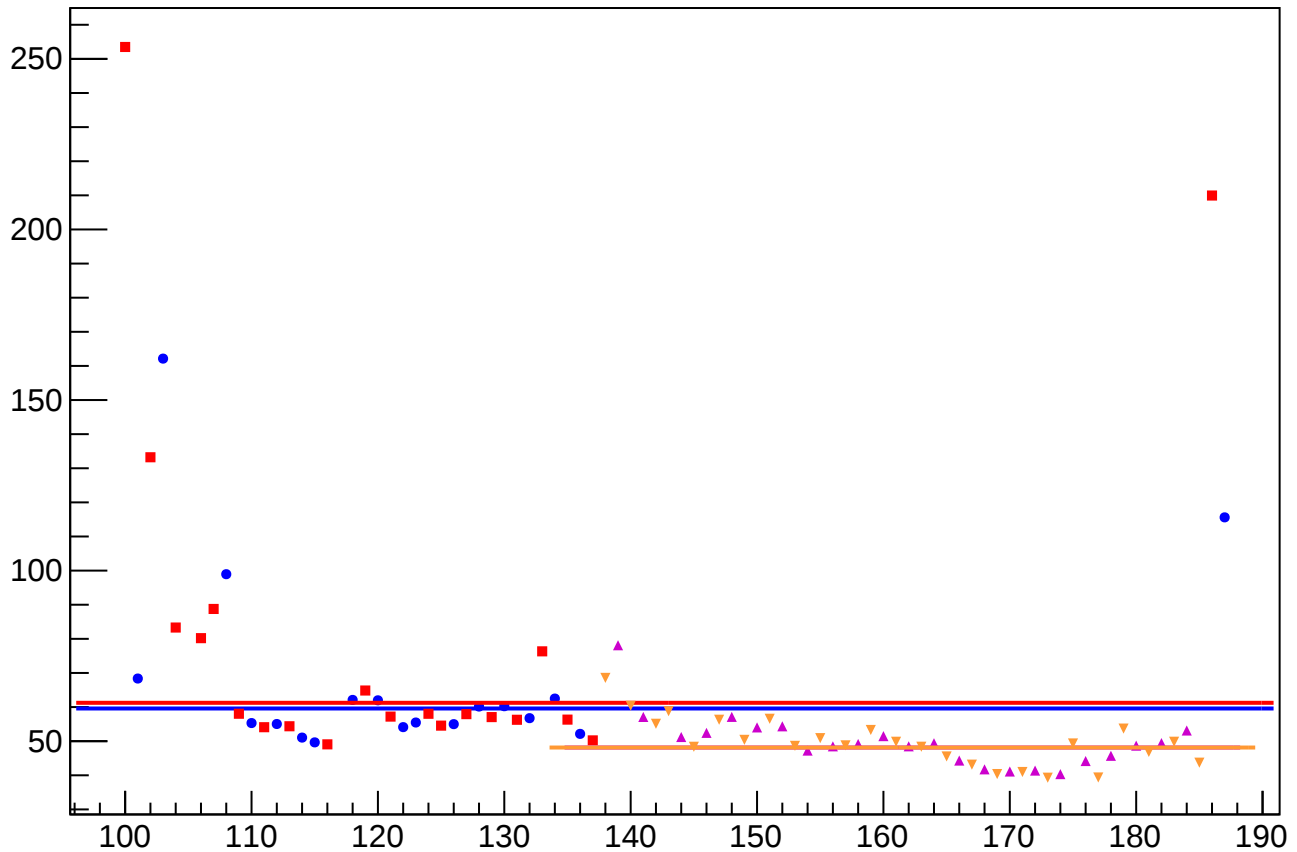
Left In: 16.162 $\pm$ 11.649 χ^2 /NDF: 25.2/22

+ sign -1.123 $\pm$ 10.231 χ^2 /NDF: 73.0/42

All: 0.873 $\pm$ 7.312 χ^2 /NDF: 124.5/85

- sign 2.956 $\pm$ 10.453 χ^2 /NDF: 51.4/42

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.582 $\pm$ 0.017 χ^2 /NDF: 734359.5/17

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 61.250 $\pm$ 0.017 χ^2 /NDF: 1045278.3/19

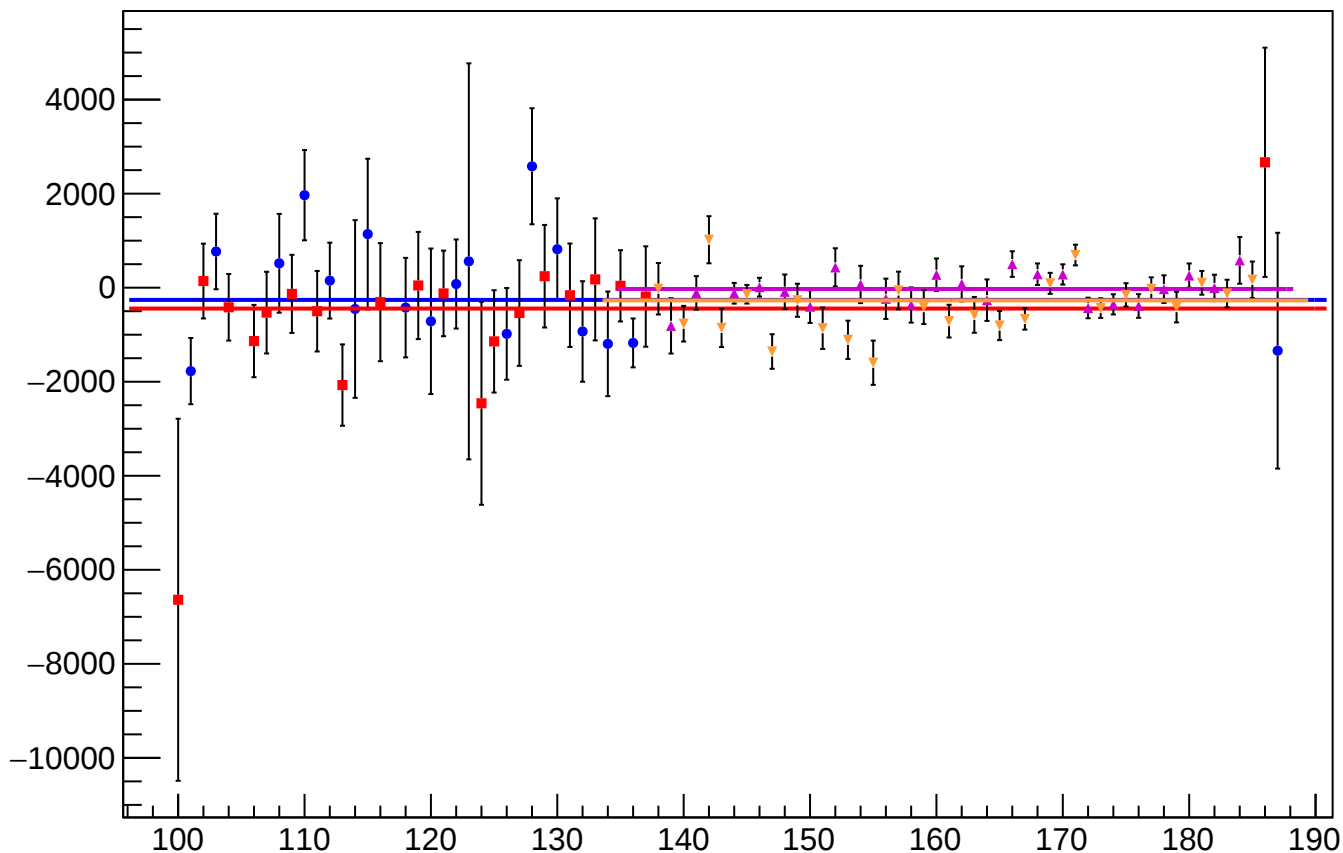
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 50.269 $\pm$ 0.007 χ^2 /NDF: 1768377.2/42

All: 50.477 $\pm$ 0.005 χ^2 /NDF: 3884102.6/85

- sign 50.694 $\pm$ 0.007 χ^2 /NDF: 2114034.2/42

asym_sam_37_dd_correction_mean vs Slug



Right In: -259.738 ± 233.445 χ^2/NDF : 24.7/17

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -443.706 ± 221.875 χ^2/NDF : 12.0/19

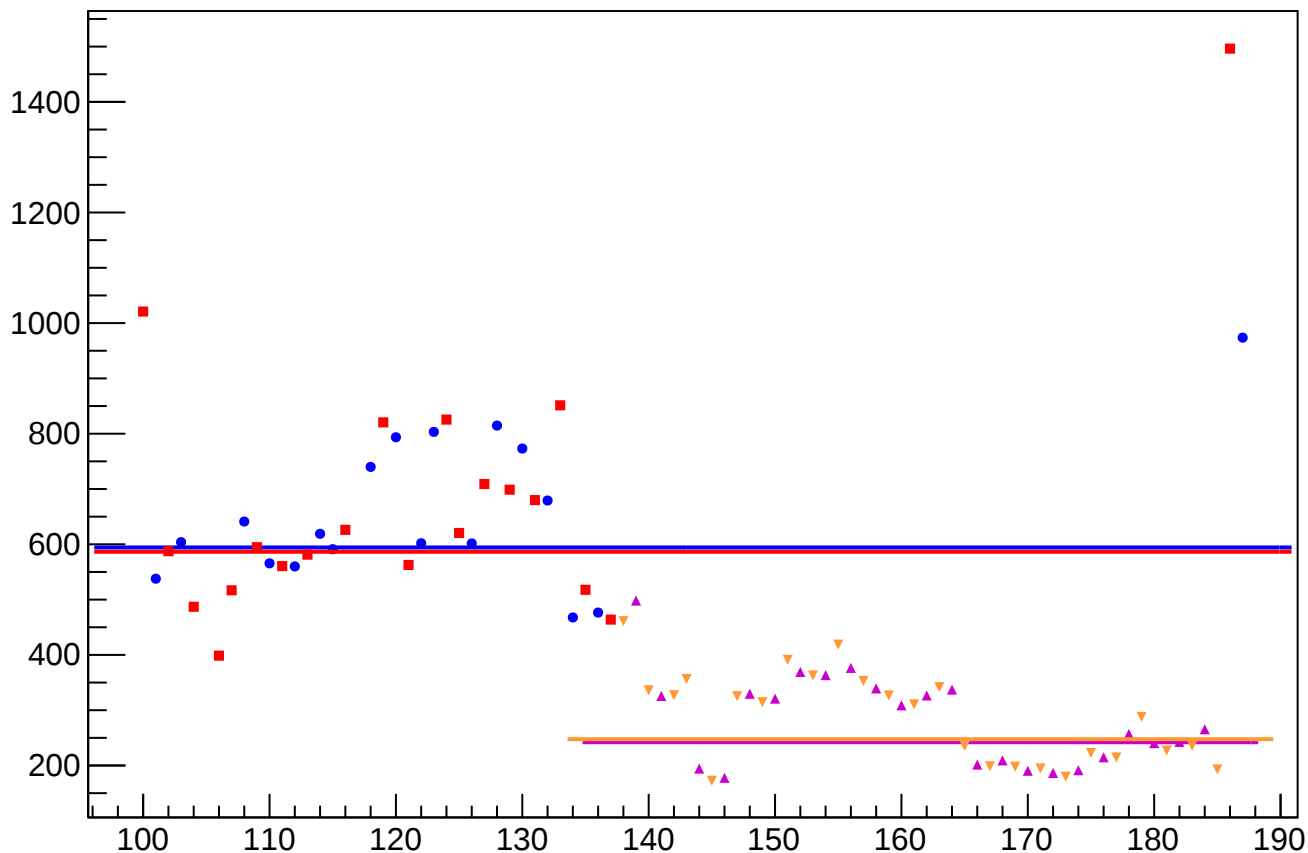
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -269.561 ± 58.273 χ^2/NDF : 94.8/42

All: -162.857 ± 41.217 χ^2/NDF : 141.9/85

- sign -56.029 ± 58.306 χ^2/NDF : 40.4/42

asym_sam_37_dd_correction_rms vs Slug



Right In: 594.319 ± 0.165 $\chi^2/\text{NDF}: 404385.7/17$

Left Out: 247.570 ± 0.043 $\chi^2/\text{NDF}: 2780931.0/24$

Right Out: 586.538 ± 0.157 $\chi^2/\text{NDF}: 777362.5/19$

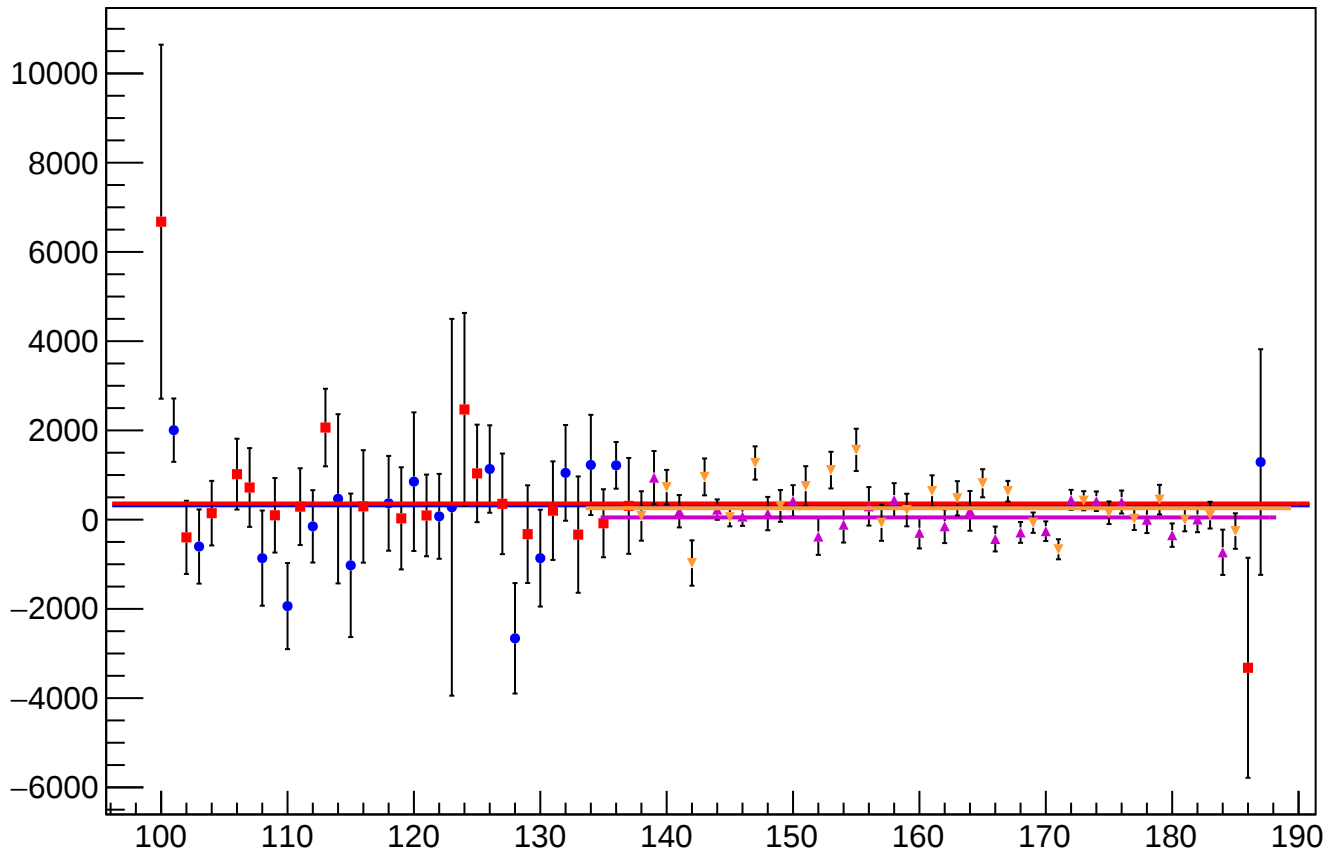
Left In: 242.117 ± 0.043 $\chi^2/\text{NDF}: 2466108.9/22$

+ sign 269.176 ± 0.041 $\chi^2/\text{NDF}: 7322939.8/42$

All: 267.540 ± 0.029 $\chi^2/\text{NDF}: 15056133.2/85$

- sign 265.902 ± 0.041 $\chi^2/\text{NDF}: 7730037.6/42$

asym_sam_37_dd_mean vs Slug



Right In: 320.845 $\pm$ 235.422 χ^2 /NDF: 26.7/17

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF: 63.6/24

Right Out: 362.500 $\pm$ 224.418 χ^2 /NDF: 13.1/19

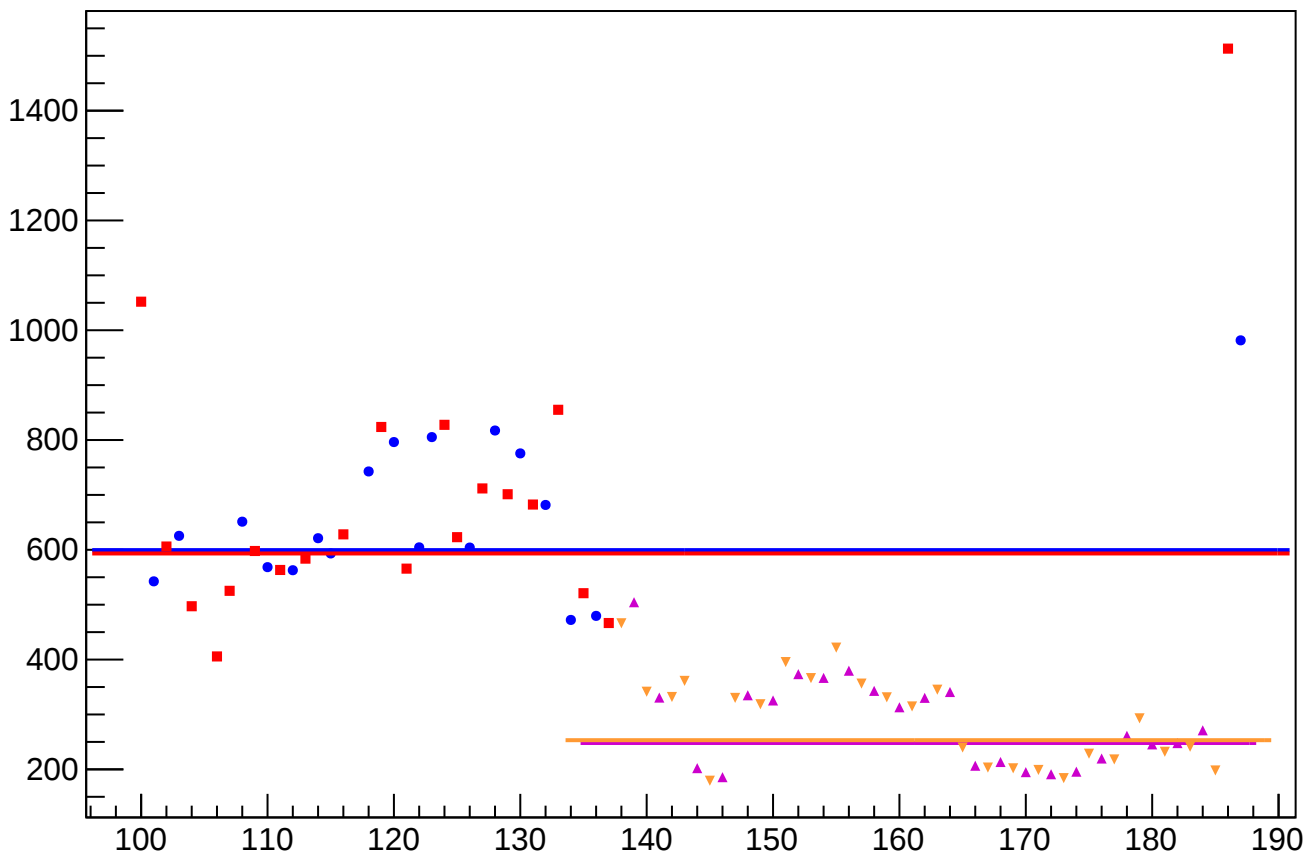
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF: 27.5/22

+ sign 260.128 $\pm$ 59.429 χ^2 /NDF: 90.3/42

All: 166.208 $\pm$ 42.071 χ^2 /NDF: 137.7/85

- sign 71.859 $\pm$ 59.565 χ^2 /NDF: 42.4/42

asym_sam_37_dd_rms vs Slug



Right In: 599.427 $\pm$ 0.166 χ^2 /NDF: 402019.5/17

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 593.312 $\pm$ 0.159 χ^2 /NDF: 757507.0/19

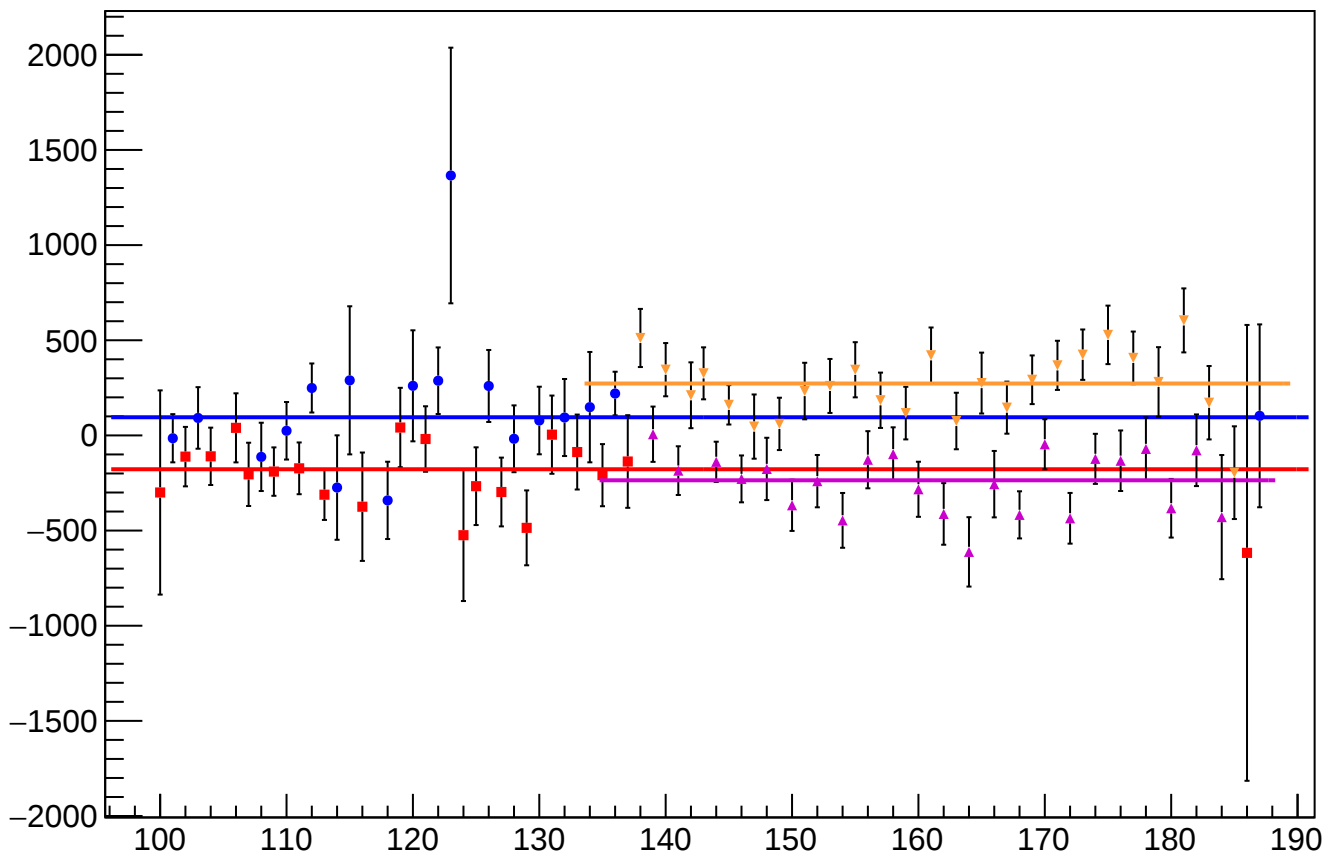
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 275.204 $\pm$ 0.042 χ^2 /NDF: 7119549.7/42

All: 273.800 $\pm$ 0.030 χ^2 /NDF: 14622436.6/85

- sign 272.390 $\pm$ 0.042 χ^2 /NDF: 7500650.1/42

reg_asym_sam_48_dd_mean vs Slug



Right In: 95.377 $\pm$ 43.221 χ^2 /NDF: 17.9/17

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF:27.4/24

Right Out: -177.789 $\pm$ 41.157 χ^2 /NDF: 10.6/19

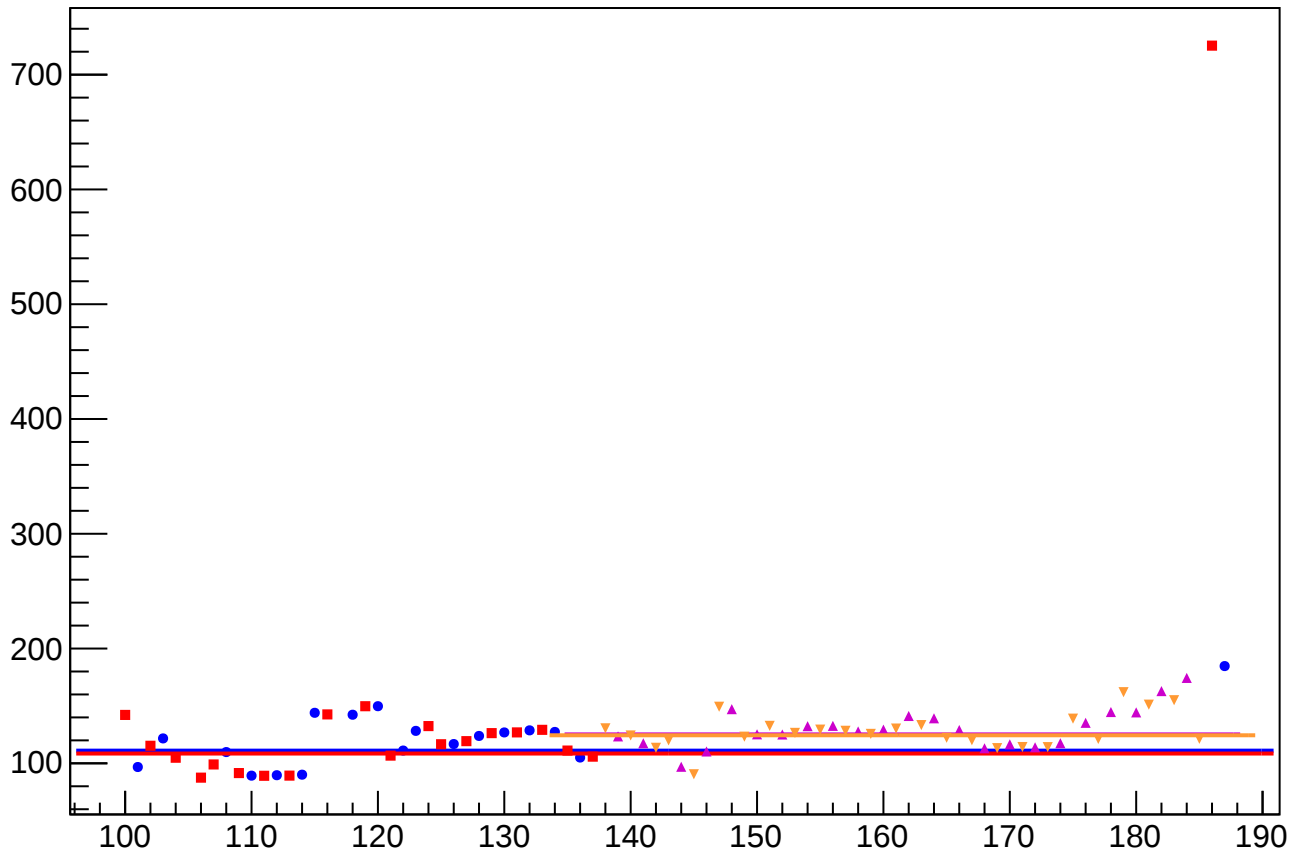
Left In: -235.801 $\pm$ 30.232 χ^2 /NDF:24.6/22

+ sign 217.062 $\pm$ 24.208 χ^2 /NDF: 56.9/42

All: 2.196 $\pm$ 17.173 χ^2 /NDF: 252.1/85

- sign -215.470 $\pm$ 24.365 χ^2 /NDF: 36.6/42

reg_asym_sam_48_dd_rms vs Slug



Right In: 111.040 $\pm$ 0.031 χ^2 /NDF: 343449.4/17

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 108.516 $\pm$ 0.029 χ^2 /NDF: 877166.0/19

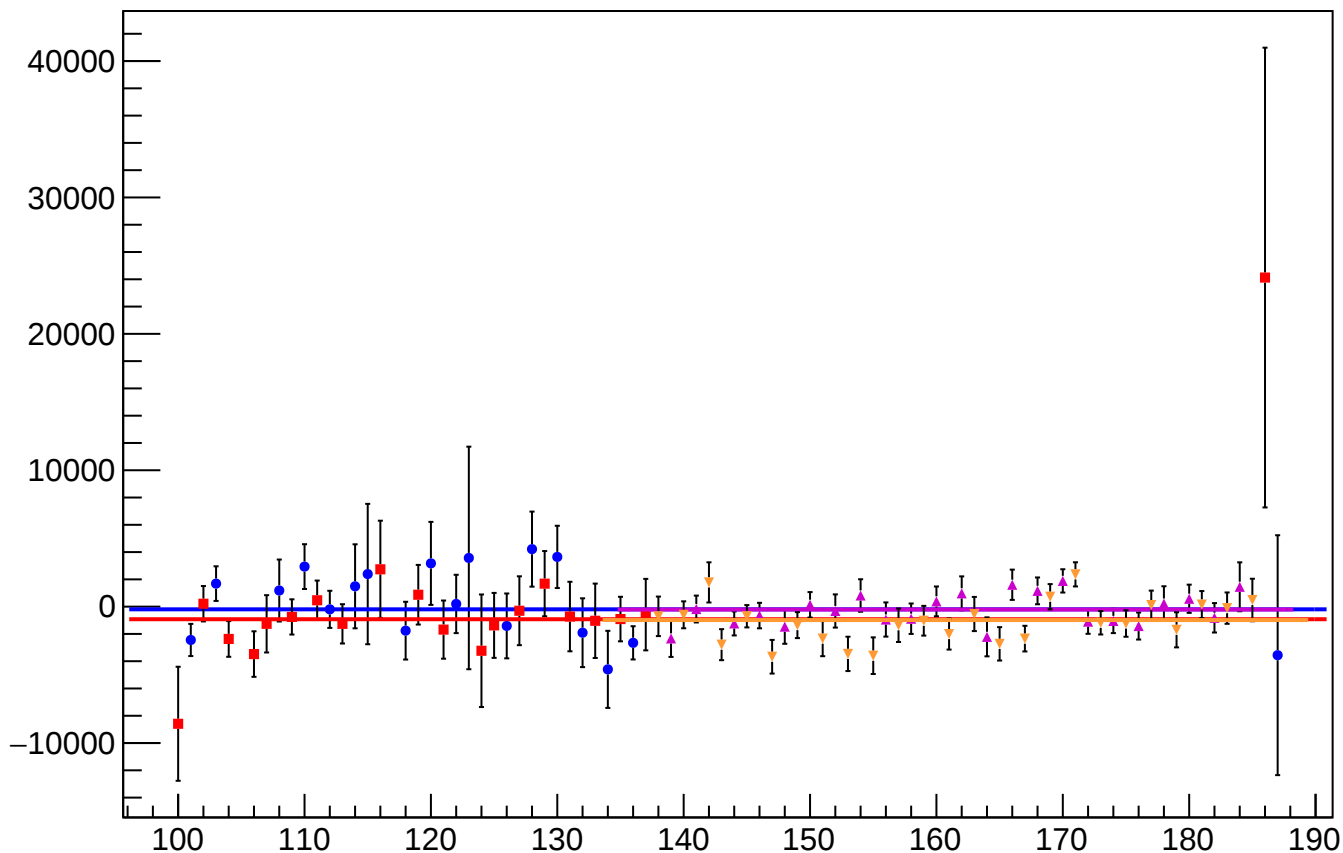
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 120.229 $\pm$ 0.017 χ^2 /NDF: 1014886.5/42

All: 119.795 $\pm$ 0.012 χ^2 /NDF: 2608333.3/85

- sign 119.356 $\pm$ 0.017 χ^2 /NDF: 1592156.2/42

asym_sam_48_dd_correction_mean vs Slug



Right In: -196.211 ± 465.097 χ^2/NDF : 25.2/17

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -923.024 ± 435.665 χ^2/NDF : 14.4/19

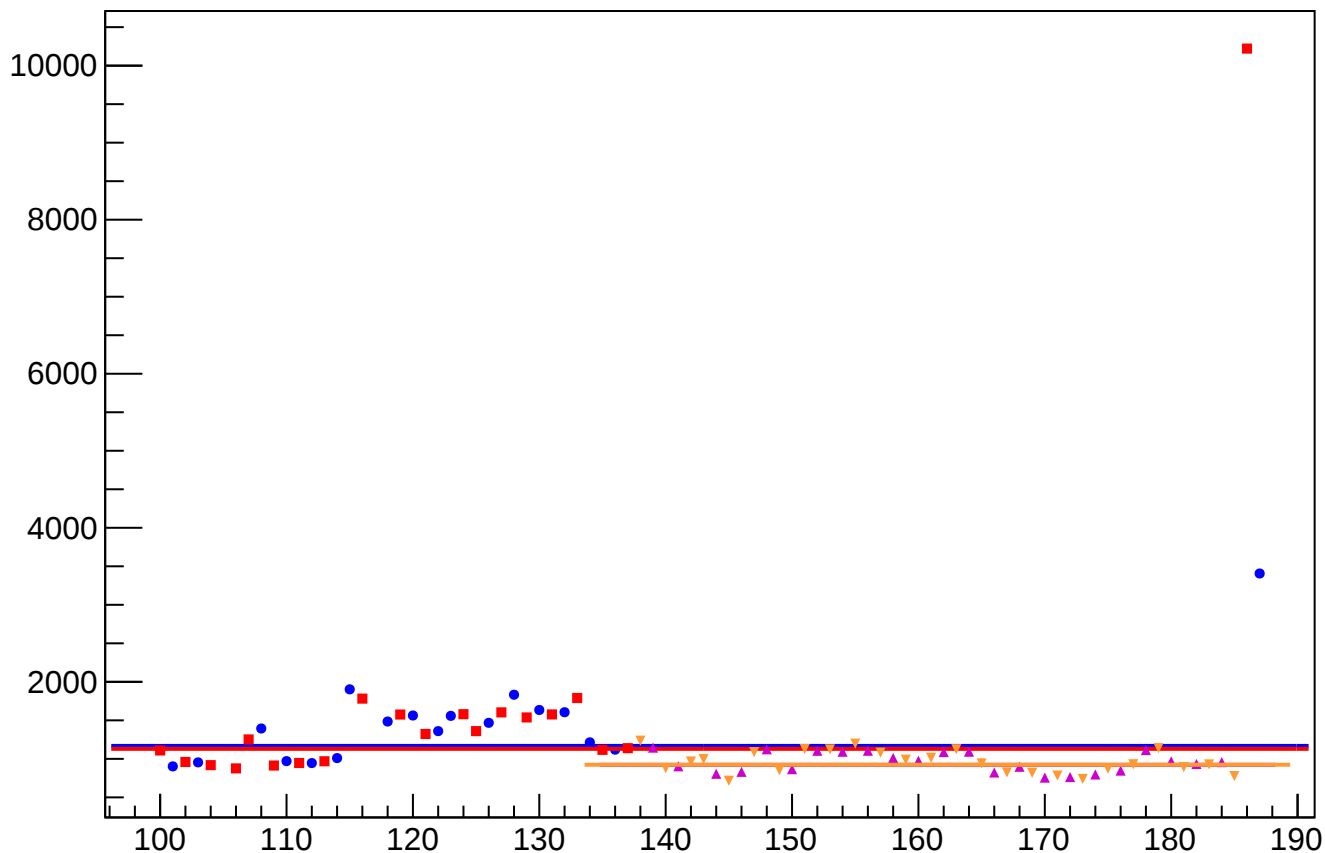
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -841.125 ± 197.408 χ^2/NDF : 74.7/42

All: -601.885 ± 140.049 χ^2/NDF : 119.9/85

- sign -359.466 ± 198.715 χ^2/NDF : 42.2/42

asym_sam_48_dd_correction_rms vs Slug



Right In: 1168.054 $\pm$ 0.329 χ^2 /NDF: 831193.3/17

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

Right Out: 1130.054 $\pm$ 0.308 χ^2 /NDF: 1351924.1/19

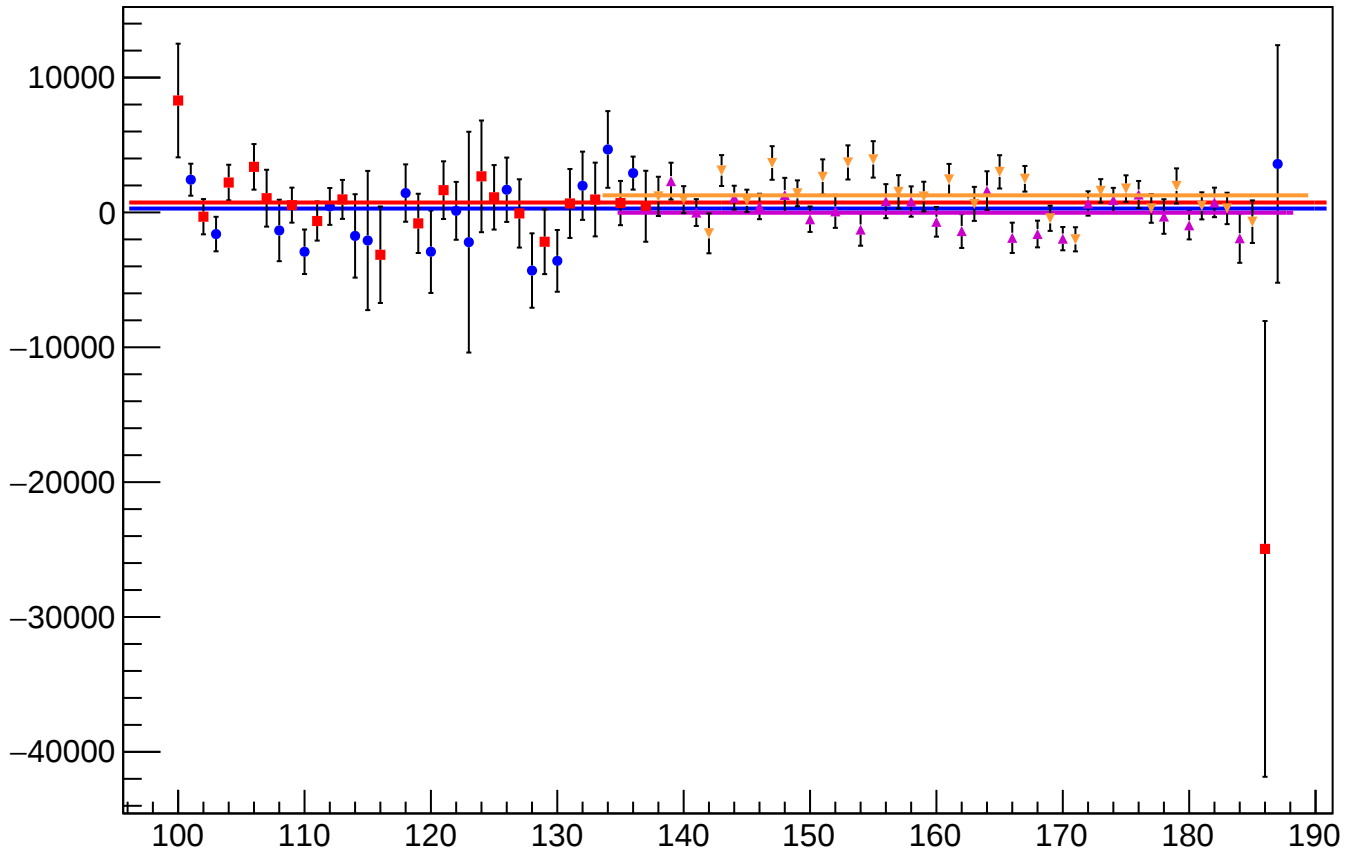
Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

+ sign 967.628 $\pm$ 0.140 χ^2 /NDF: 2126972.2/42

All: 966.560 $\pm$ 0.099 χ^2 /NDF: 4474098.8/85

- sign 965.479 $\pm$ 0.141 χ^2 /NDF: 2347008.9/42

asym_sam_48_dd_mean vs Slug



Right In: 287.210 ± 467.377 χ^2/NDF : 25.4/17

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 735.254 ± 438.045 χ^2/NDF : 14.5/19

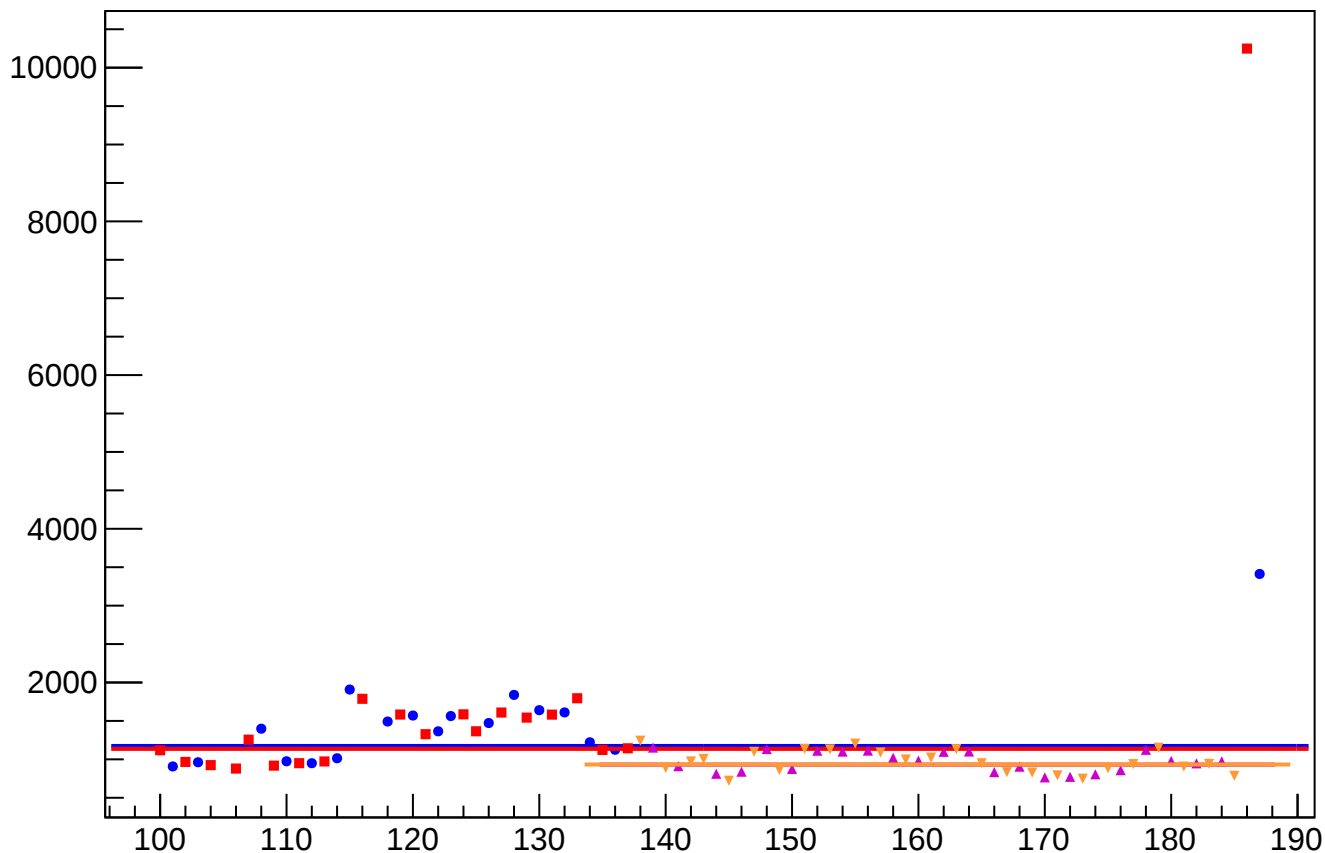
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1089.390 ± 199.149 χ^2/NDF : 73.9/42

All: 615.616 ± 141.290 χ^2/NDF : 129.4/85

- sign 135.458 ± 200.487 χ^2/NDF : 44.1/42

asym_sam_48_dd_rms vs Slug



Right In: 1174.105 $\pm$ 0.330 χ^2 /NDF: 825198.8/17

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1136.173 $\pm$ 0.310 χ^2 /NDF: 1345259.4/19

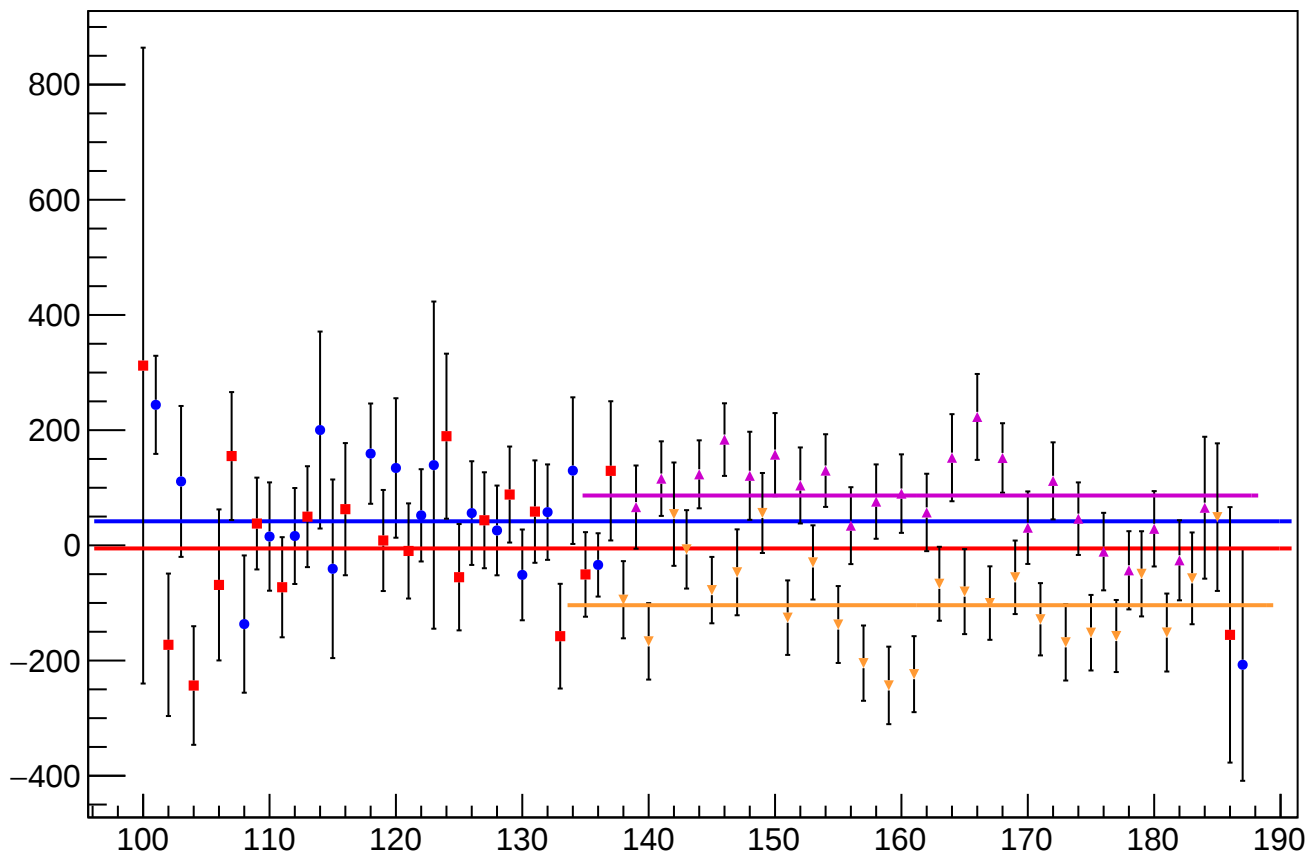
Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

+ sign 976.582 $\pm$ 0.141 χ^2 /NDF: 2091456.3/42

All: 975.482 $\pm$ 0.100 χ^2 /NDF: 4406465.4/85

- sign 974.368 $\pm$ 0.142 χ^2 /NDF: 2314886.4/42

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 41.780 ± 22.473 χ^2/NDF : 17.4/17

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -5.352 ± 22.083 χ^2/NDF : 20.6/19

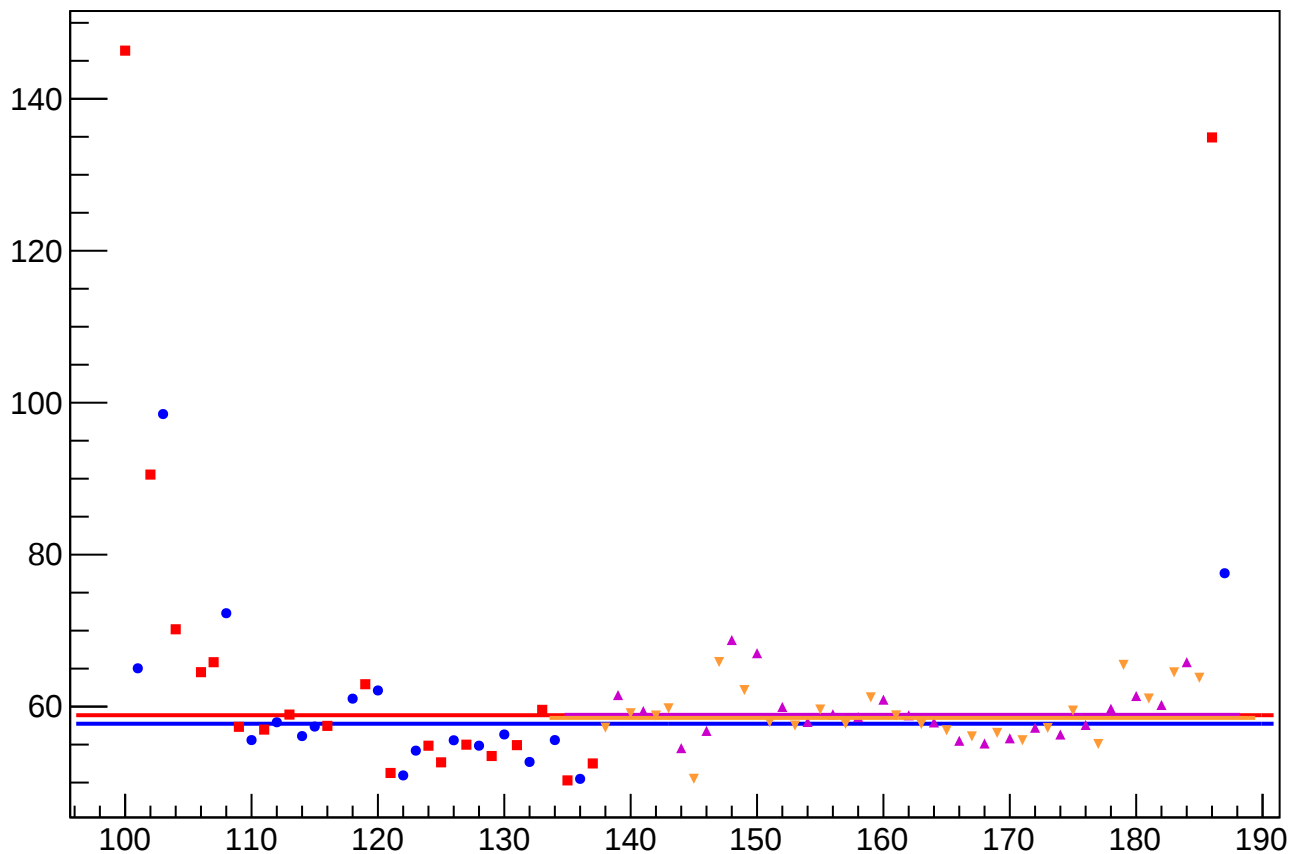
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -64.672 ± 11.662 χ^2/NDF : 78.1/42

All: -3.637 ± 8.328 χ^2/NDF : 188.3/85

- sign 59.875 ± 11.896 χ^2/NDF : 54.3/42

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.745 $\pm$ 0.016 χ^2 /NDF: 326276.6/17

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF: 123221.6/24

Right Out: 58.866 $\pm$ 0.016 χ^2 /NDF: 535709.5/19

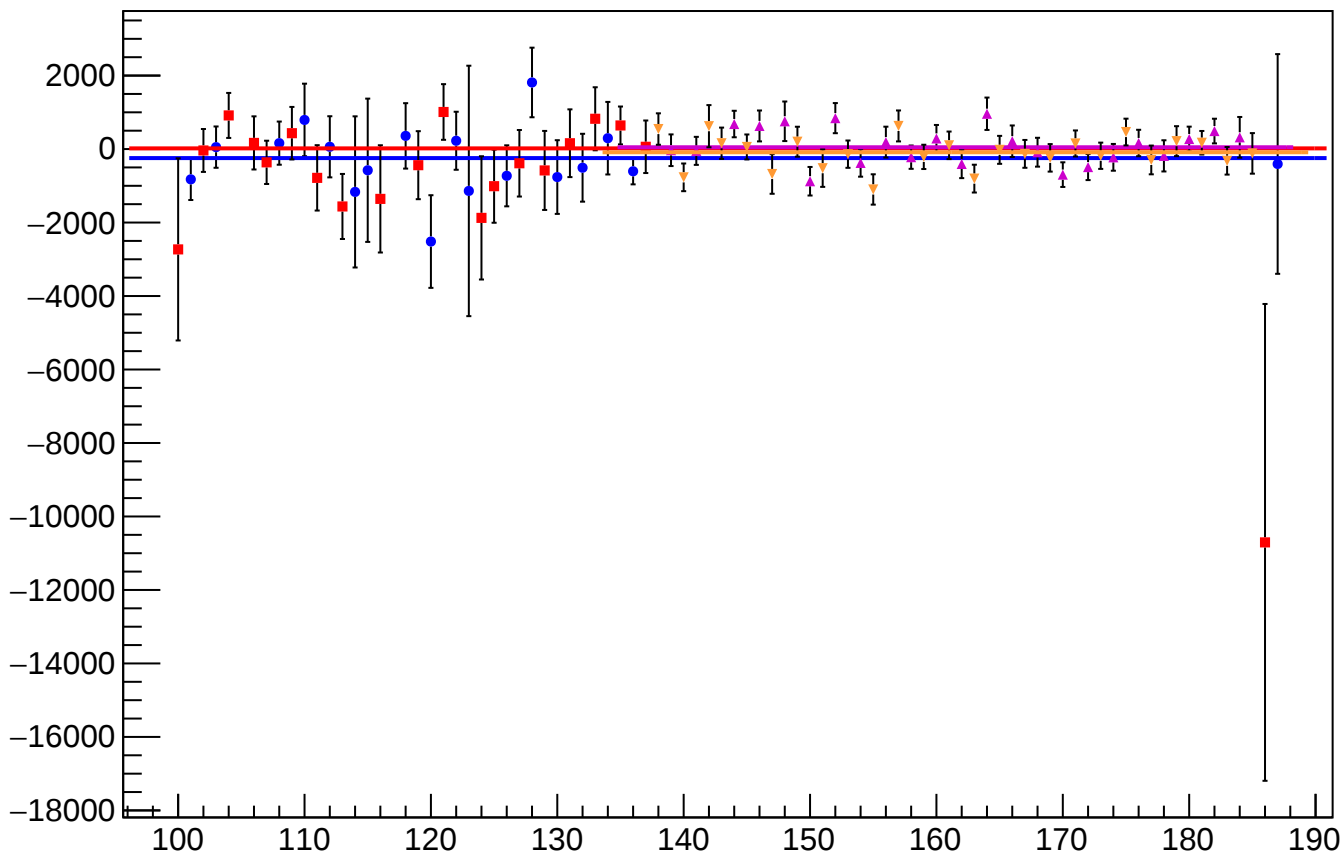
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF: 109968.0/22

+ sign 58.306 $\pm$ 0.008 χ^2 /NDF: 451206.5/42

All: 58.597 $\pm$ 0.006 χ^2 /NDF: 1099430.5/85

- sign 58.900 $\pm$ 0.008 χ^2 /NDF: 645684.1/42

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -245.737 ± 184.060 χ^2/NDF : 14.1/17

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: 18.679 ± 182.077 χ^2/NDF : 19.0/19

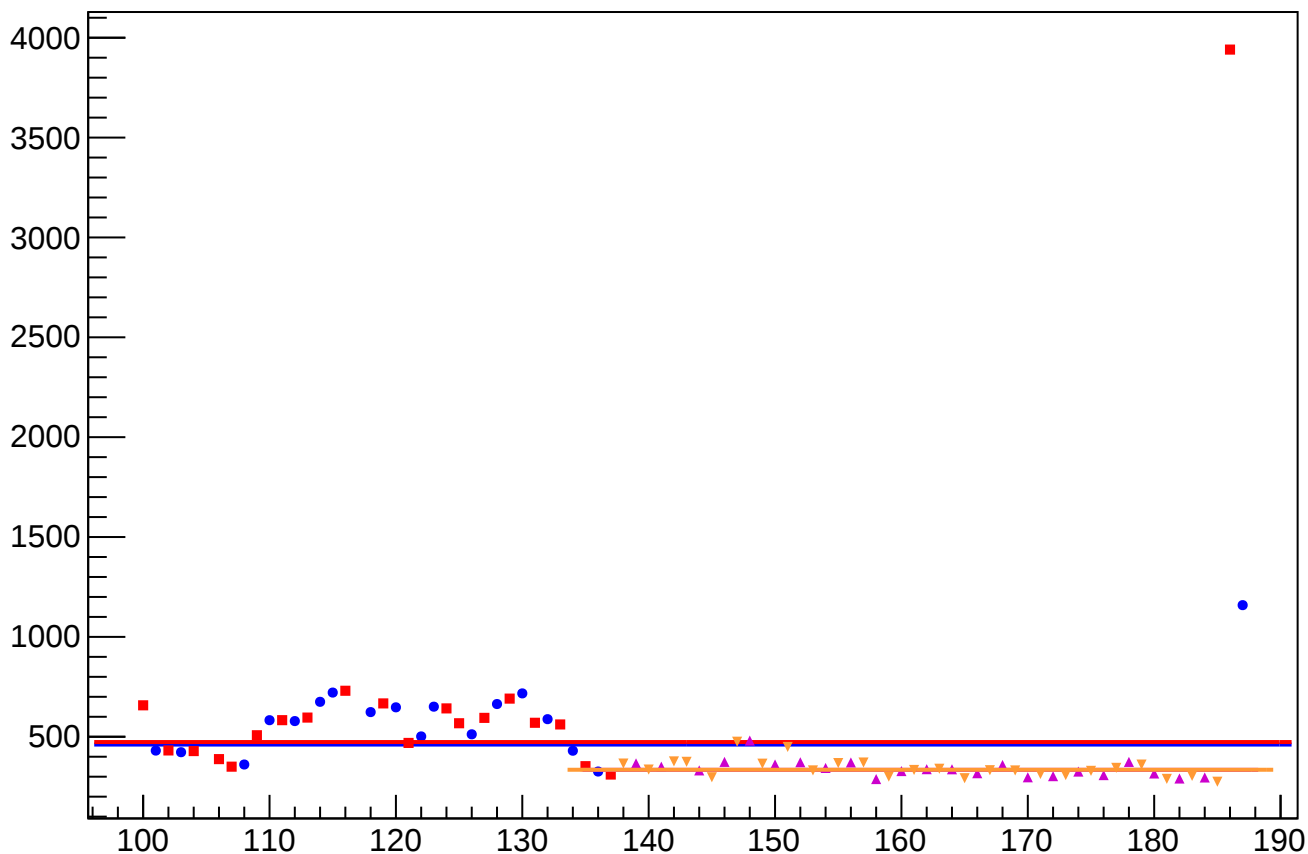
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -111.848 ± 72.251 χ^2/NDF : 42.5/42

All: -35.518 ± 51.581 χ^2/NDF : 99.1/85

- sign 43.822 ± 73.662 χ^2/NDF : 54.3/42

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 460.886 $\pm$ 0.130 χ^2/NDF : 988711.6/17

Left Out: 334.749 $\pm$ 0.056 χ^2/NDF : 491370.4/24

Right Out: 473.483 $\pm$ 0.129 χ^2/NDF : 1353395.7/19

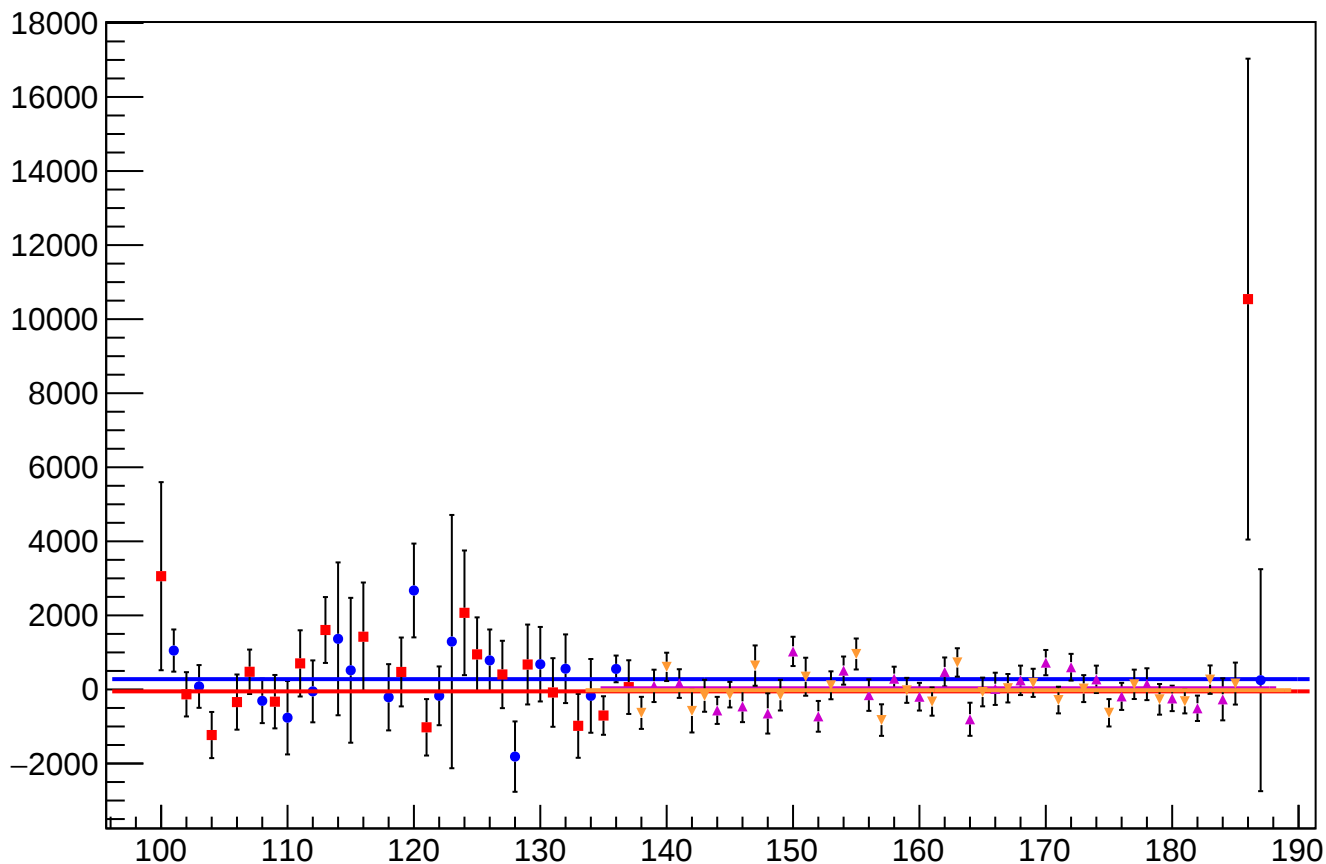
Left In: 334.147 $\pm$ 0.057 χ^2/NDF : 397200.6/22

+ sign 354.185 $\pm$ 0.051 χ^2/NDF : 2274644.0/42

All: 355.542 $\pm$ 0.036 χ^2/NDF : 5006221.6/85

- sign 356.952 $\pm$ 0.052 χ^2/NDF : 2730139.4/42

asym_sam_13_57_dd_mean vs Slug



Right In: 278.445 $\pm$ 186.226 χ^2 /NDF: 15.0/17

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF: 27.2/24

Right Out: -51.760 $\pm$ 184.323 χ^2 /NDF: 22.0/19

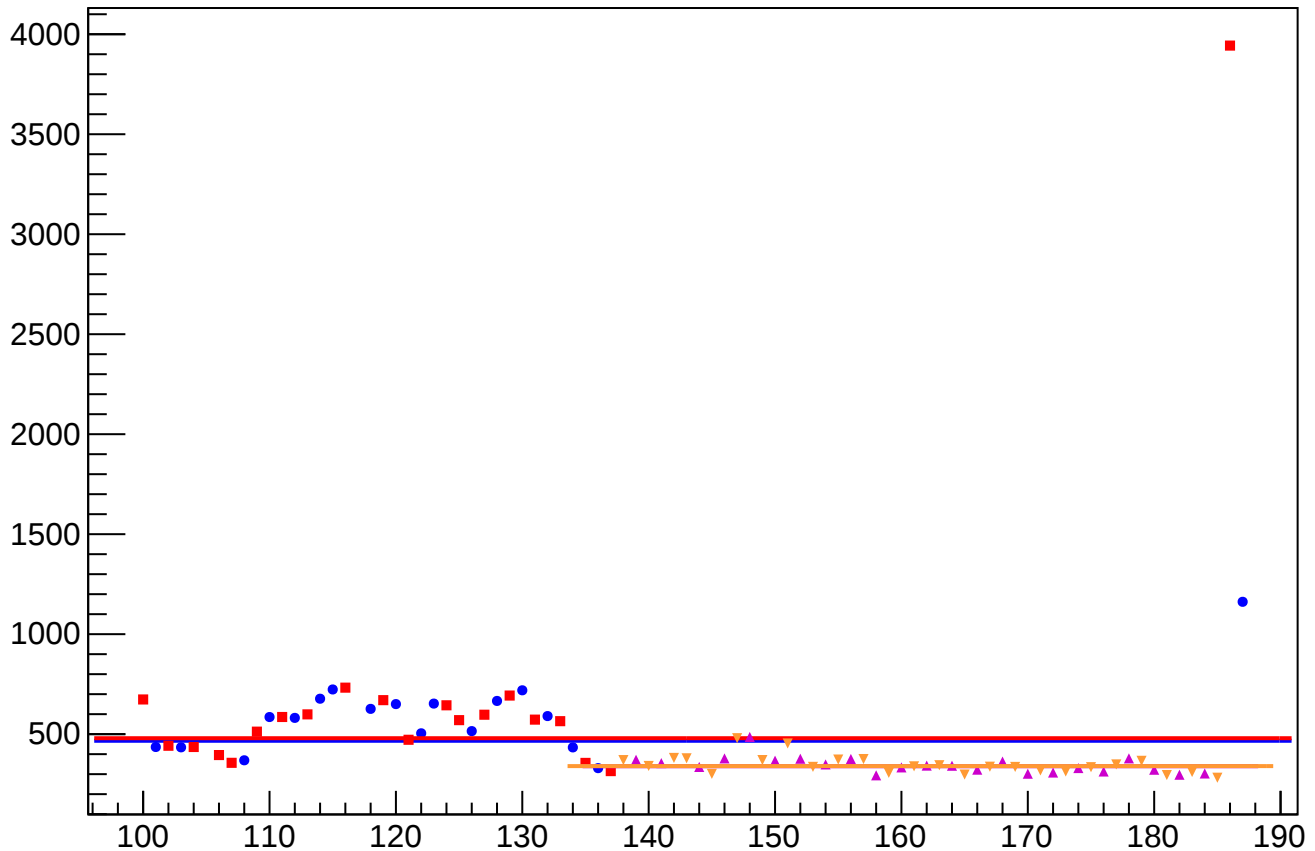
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF: 34.0/22

+ sign 25.555 $\pm$ 73.359 χ^2 /NDF: 44.4/42

All: 21.870 $\pm$ 52.374 χ^2 /NDF: 100.6/85

- sign 18.040 $\pm$ 74.798 χ^2 /NDF: 56.2/42

asym_sam_13_57_dd_rms vs Slug



Right In: 466.949 $\pm$ 0.132 χ^2 /NDF: 955849.4/17

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 479.719 $\pm$ 0.130 χ^2 /NDF: 1322197.9/19

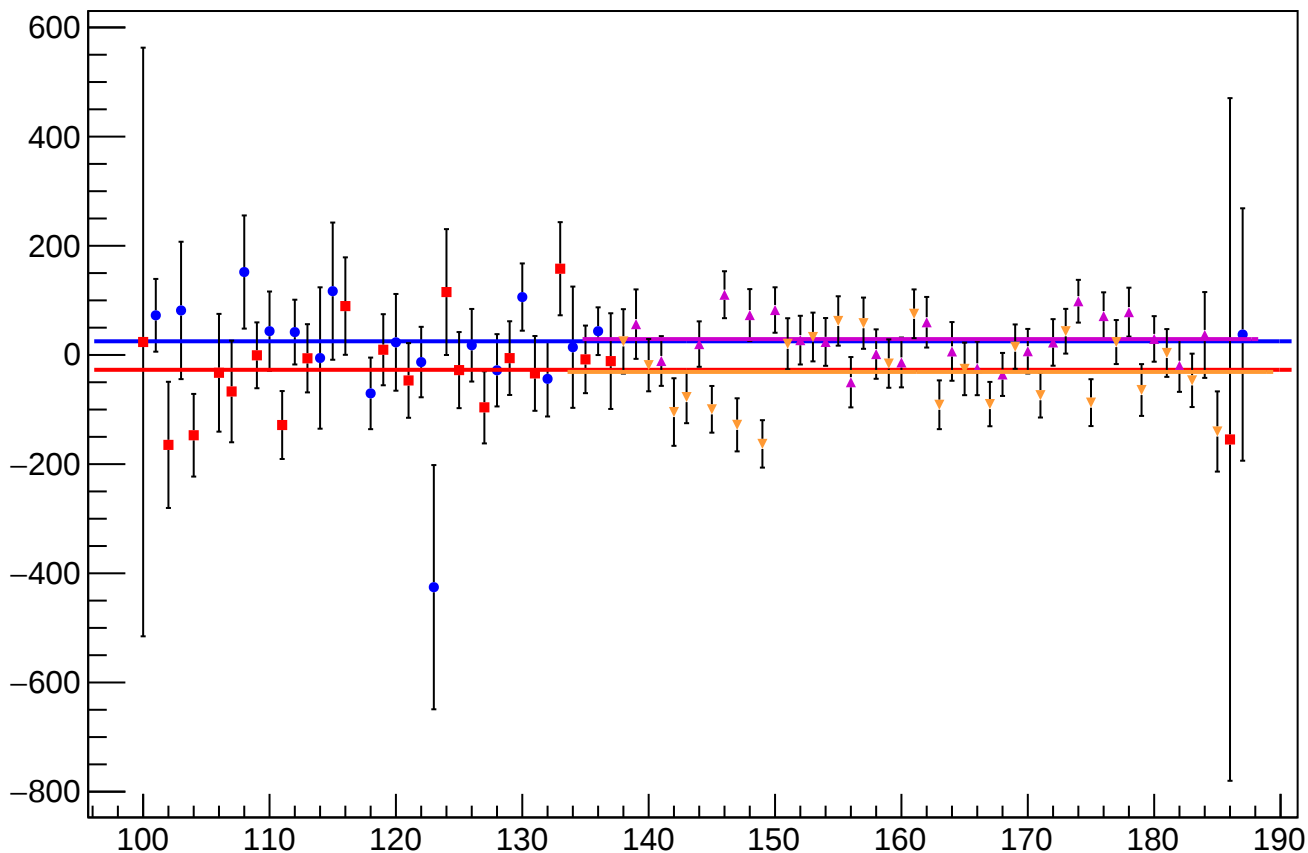
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 359.900 $\pm$ 0.052 χ^2 /NDF: 2206971.0/42

All: 361.269 $\pm$ 0.037 χ^2 /NDF: 4875532.1/85

- sign 362.691 $\pm$ 0.053 χ^2 /NDF: 2667141.4/42

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 25.049 $\pm$ 17.818 χ^2 /NDF: 13.0/17

Left Out: -31.063 $\pm$ 9.170 χ^2 /NDF: 52.6/24

Right Out: -27.196 $\pm$ 17.429 χ^2 /NDF: 16.8/19

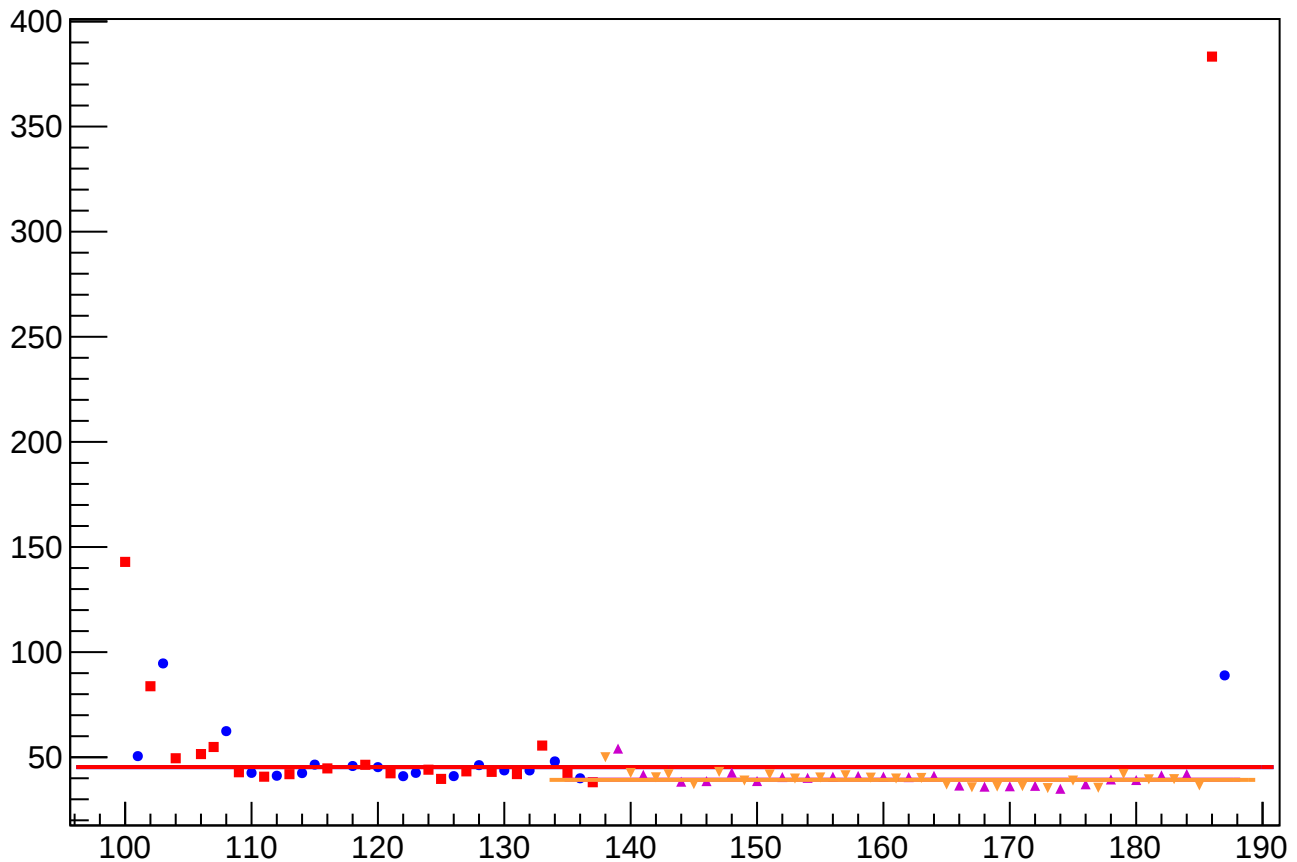
Left In: 29.055 $\pm$ 9.449 χ^2 /NDF: 22.4/22

+ sign -19.314 $\pm$ 8.153 χ^2 /NDF: 73.5/42

All: -1.851 $\pm$ 5.819 χ^2 /NDF: 130.1/85

- sign 16.277 $\pm$ 8.307 χ^2 /NDF: 47.3/42

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.271 $\pm$ 0.013 χ^2 /NDF: 510009.5/17

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 45.333 $\pm$ 0.012 χ^2 /NDF: 998286.8/19

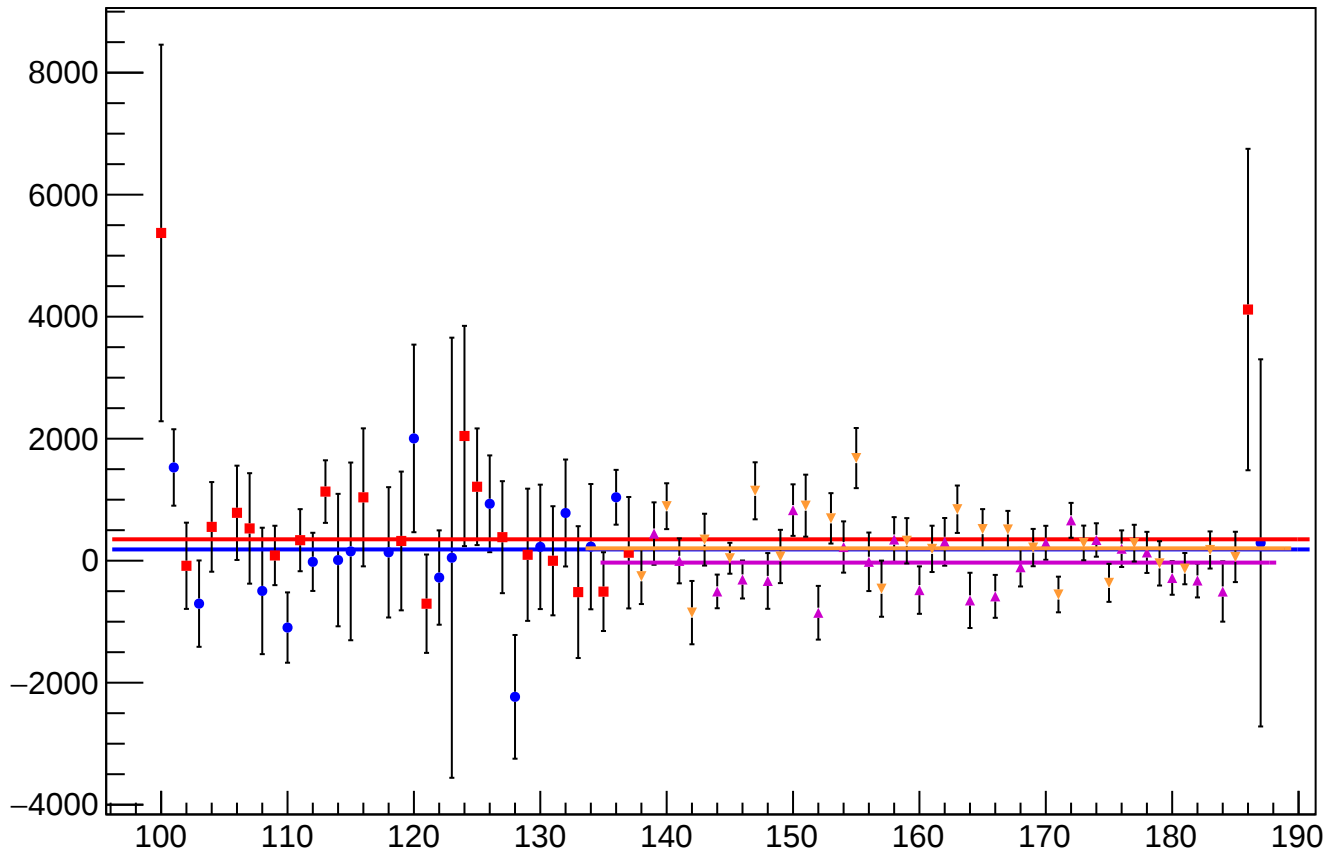
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 40.499 $\pm$ 0.006 χ^2 /NDF: 893389.5/42

All: 40.598 $\pm$ 0.004 χ^2 /NDF: 2290789.9/85

- sign 40.700 $\pm$ 0.006 χ^2 /NDF: 1396802.2/42

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.508 ± 188.671 χ^2/NDF : 24.2/17

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 350.563 ± 179.275 χ^2/NDF : 14.6/19

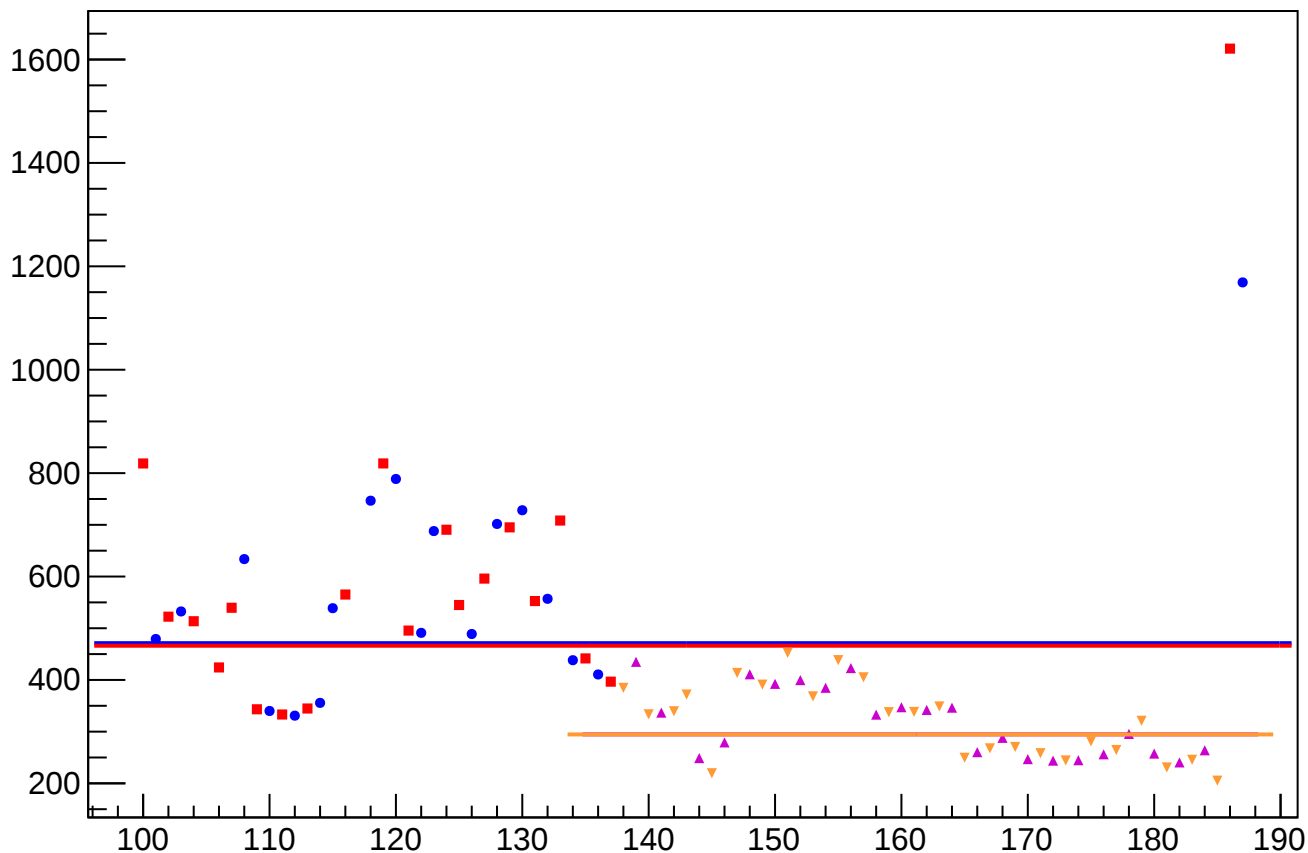
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 200.185 ± 65.979 χ^2/NDF : 69.0/42

All: 112.146 ± 46.974 χ^2/NDF : 124.5/85

- sign 21.651 ± 66.893 χ^2/NDF : 51.8/42

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 471.125 $\pm$ 0.133 χ^2/NDF : 991726.2/17

Left Out: 294.591 $\pm$ 0.050 χ^2/NDF : 1680474.5/24

Right Out: 466.220 $\pm$ 0.127 χ^2/NDF : 1344156.2/19

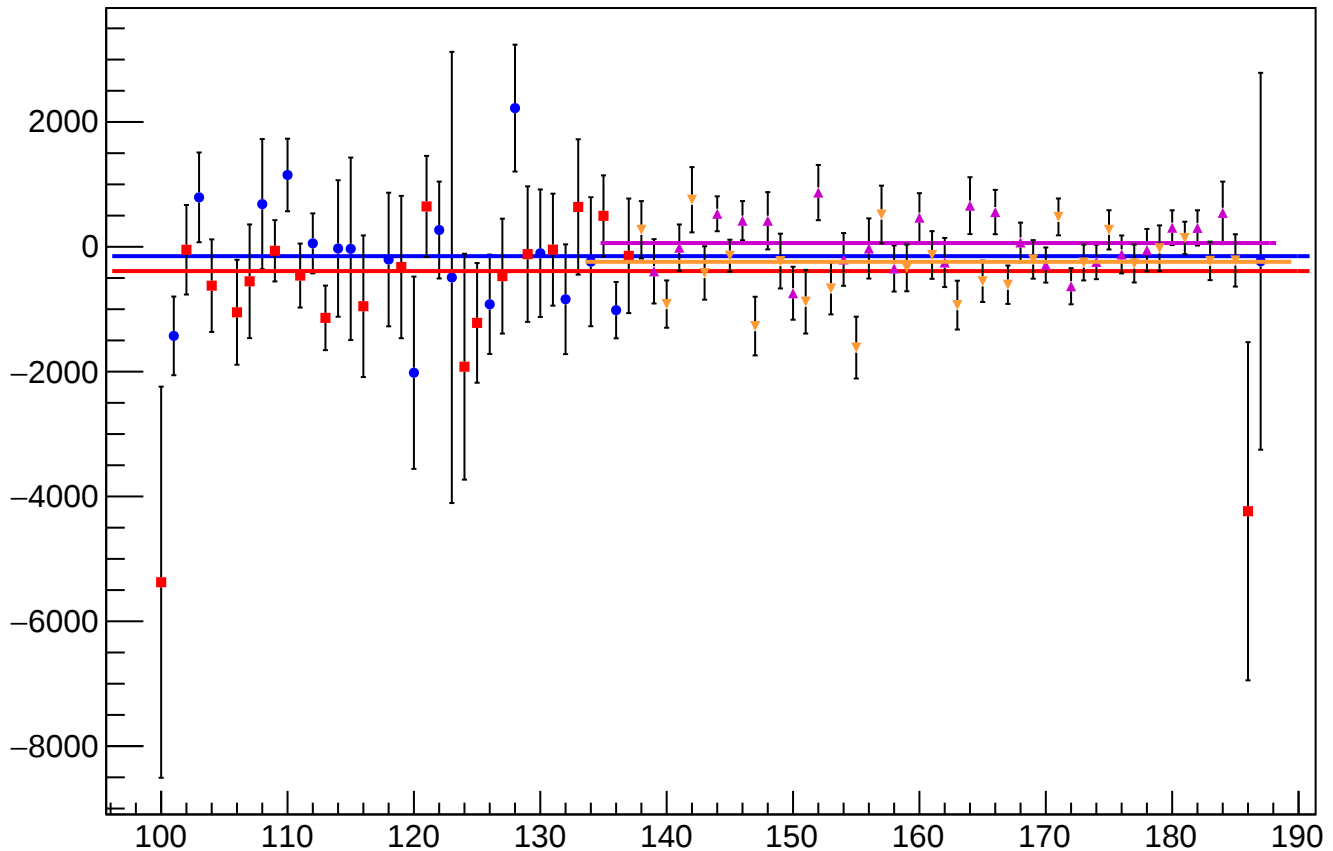
Left In: 294.722 $\pm$ 0.051 χ^2/NDF : 1297310.3/22

+ sign 316.180 $\pm$ 0.047 χ^2/NDF : 4209020.0/42

All: 317.373 $\pm$ 0.033 χ^2/NDF : 8427238.0/85

- sign 318.599 $\pm$ 0.047 χ^2/NDF : 4216892.9/42

asym_sam_15_37_dd_mean vs Slug



Right In: -149.827 ± 189.839 χ^2/NDF : 24.1/17

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -389.015 ± 181.170 χ^2/NDF : 14.5/19

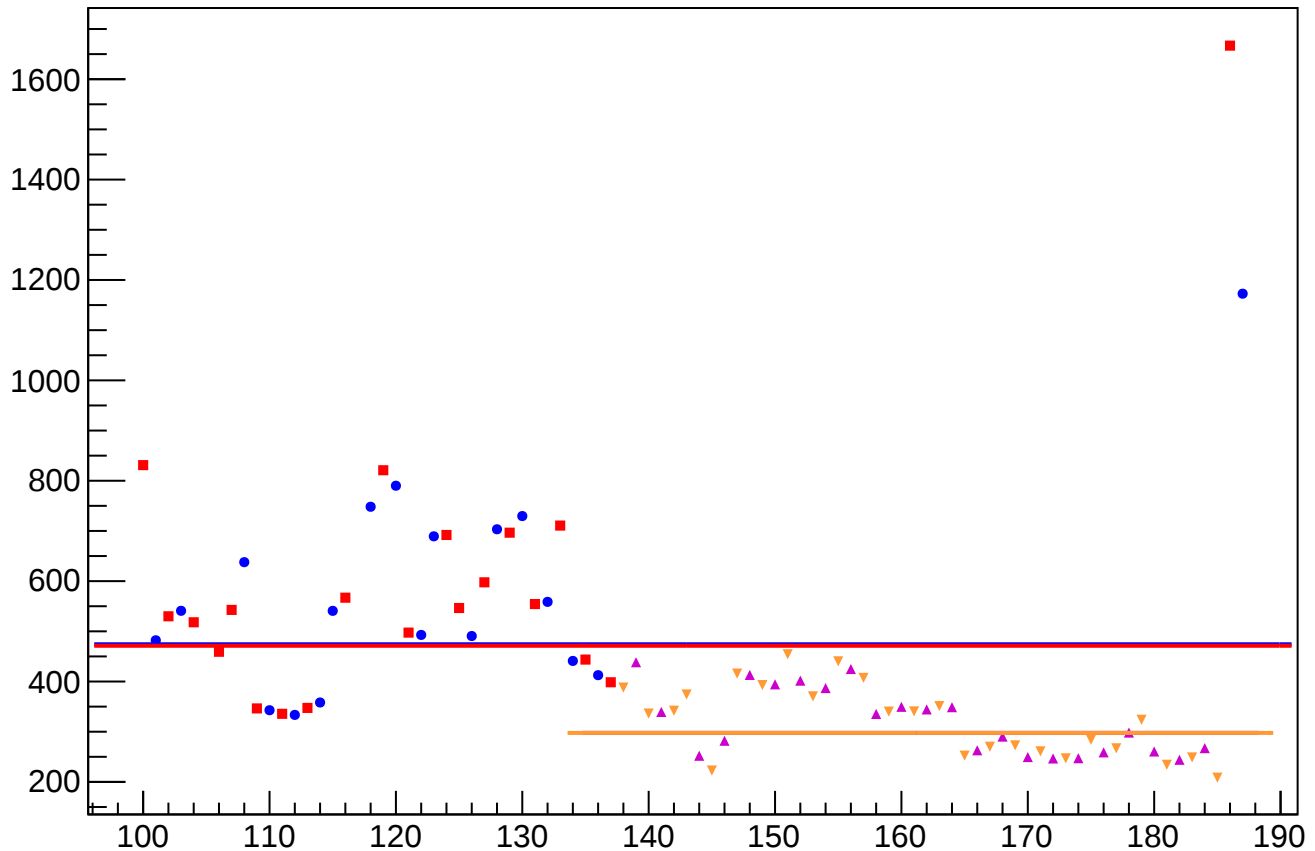
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -229.220 ± 66.584 χ^2/NDF : 67.3/42

All: -117.292 ± 47.417 χ^2/NDF : 123.7/85

- sign -2.122 ± 67.541 χ^2/NDF : 50.7/42

asym_sam_15_37_dd_rms vs Slug



Right In: 474.227+/-0.134 χ^2/NDF : 982678.1/17

Left Out: 297.613+/-0.050 χ^2/NDF : 1637757.8/24

Right Out: 471.226+/-0.128 χ^2/NDF : 1334904.5/19

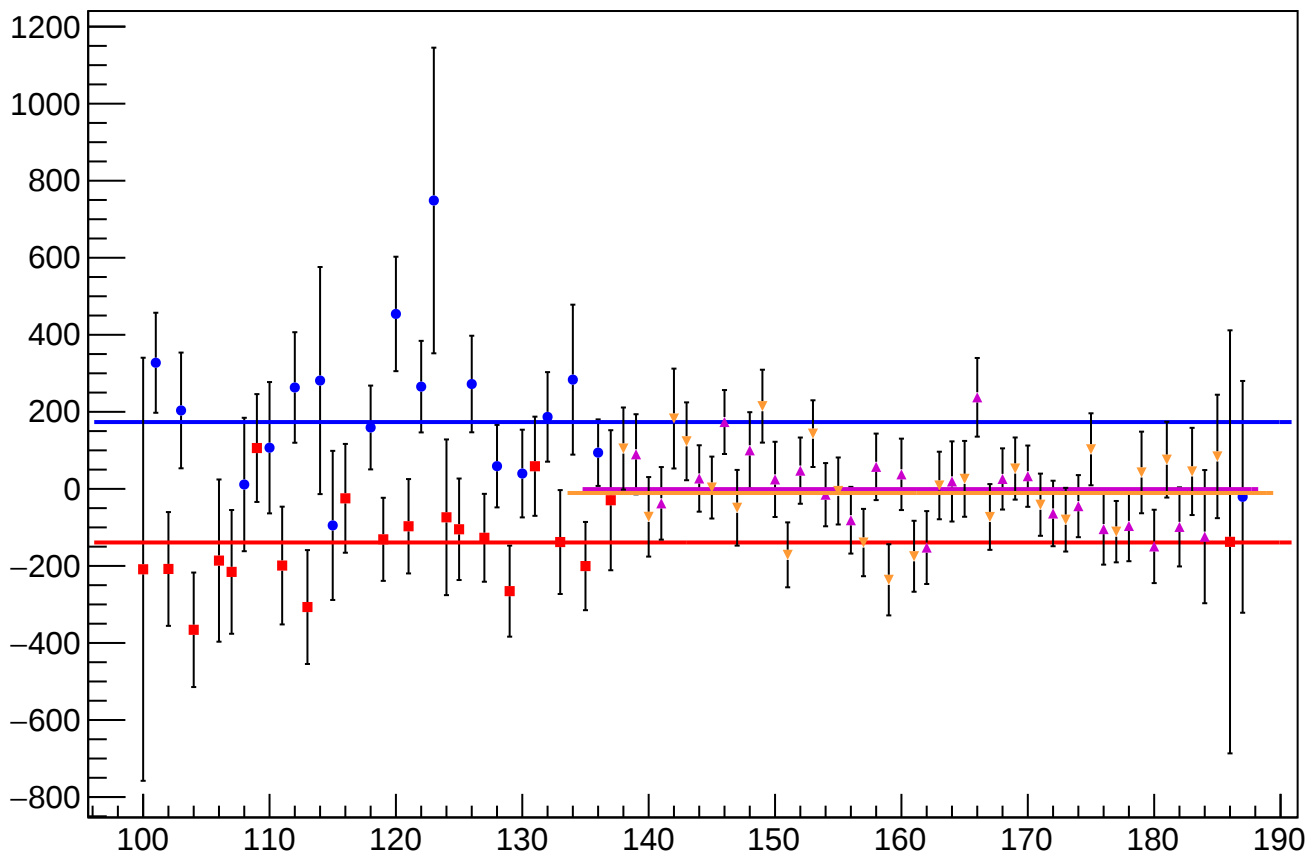
Left In: 297.699+/-0.051 χ^2/NDF : 1266306.2/22

+ sign 319.339+/-0.047 χ^2/NDF : 4138537.4/42

All: 320.560+/-0.034 χ^2/NDF : 8320923.9/85

- sign 321.816+/-0.048 χ^2/NDF : 4181022.2/42

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 173.459 $\pm$ 32.639 χ^2 /NDF: 15.9/17

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -139.136 $\pm$ 32.381 χ^2 /NDF: 12.5/19

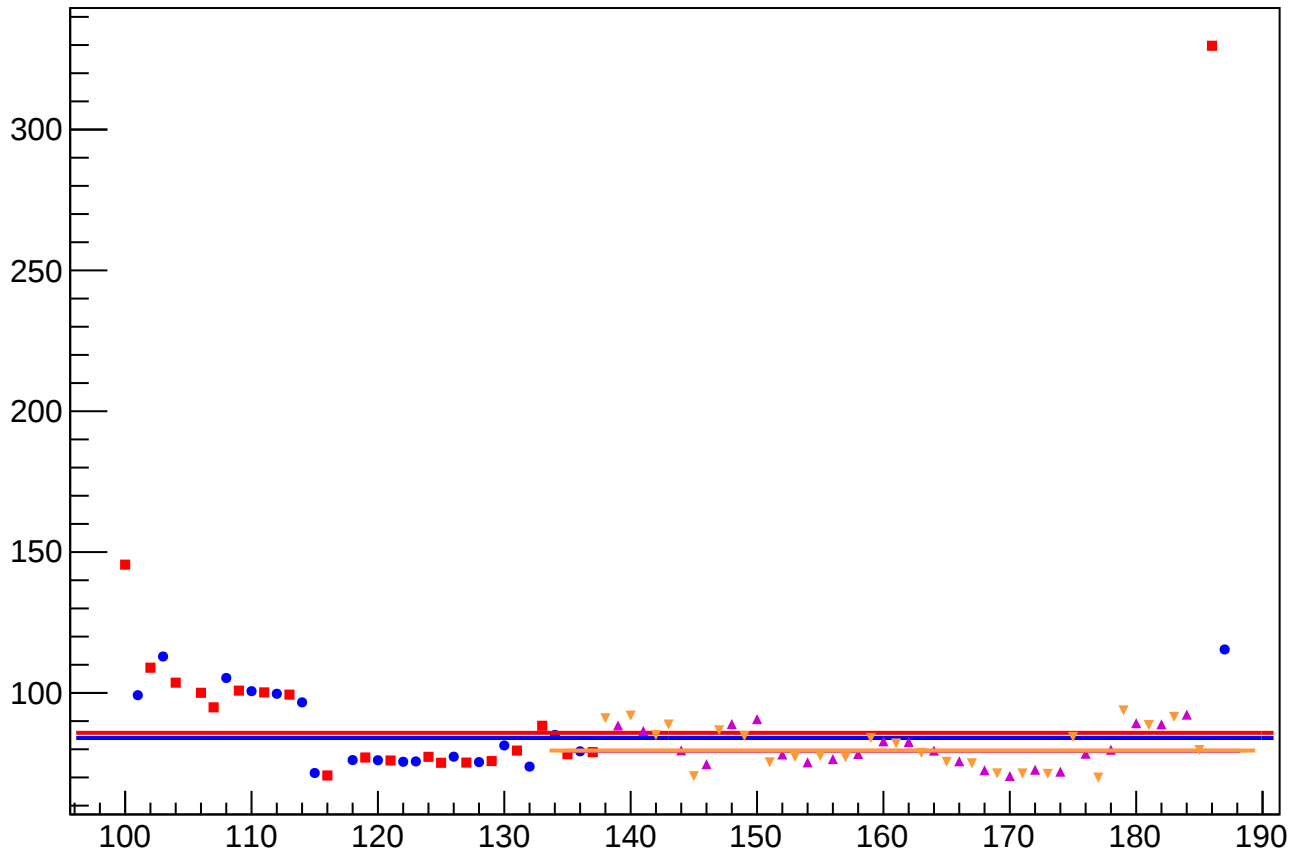
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 34.505 $\pm$ 16.167 χ^2 /NDF: 76.3/42

All: -0.299 $\pm$ 11.529 χ^2 /NDF: 135.6/85

- sign -36.316 $\pm$ 16.446 χ^2 /NDF: 49.8/42

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.996 $\pm$ 0.023 χ^2 /NDF: 276347.3/17

Left Out: 79.551 $\pm$ 0.013 χ^2 /NDF: 309075.2/24

Right Out: 85.840 $\pm$ 0.023 χ^2 /NDF: 682915.5/19

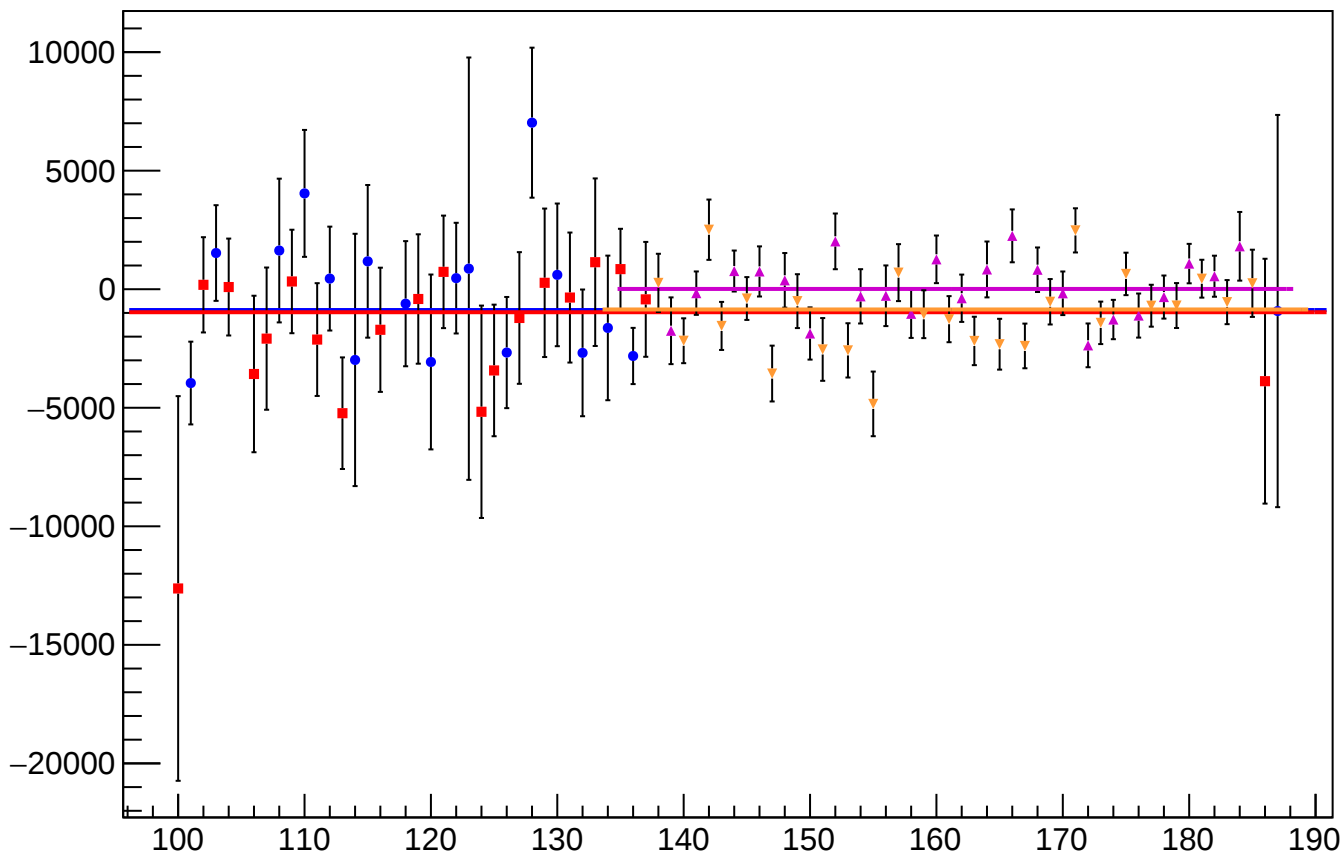
Left In: 79.436 $\pm$ 0.013 χ^2 /NDF: 212440.1/22

+ sign 80.642 $\pm$ 0.011 χ^2 /NDF: 613415.6/42

All: 80.861 $\pm$ 0.008 χ^2 /NDF: 1567568.2/85

- sign 81.088 $\pm$ 0.012 χ^2 /NDF: 953401.9/42

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -877.956 ± 583.050 χ^2/NDF : 20.5/17

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -970.219 ± 586.364 χ^2/NDF : 11.7/19

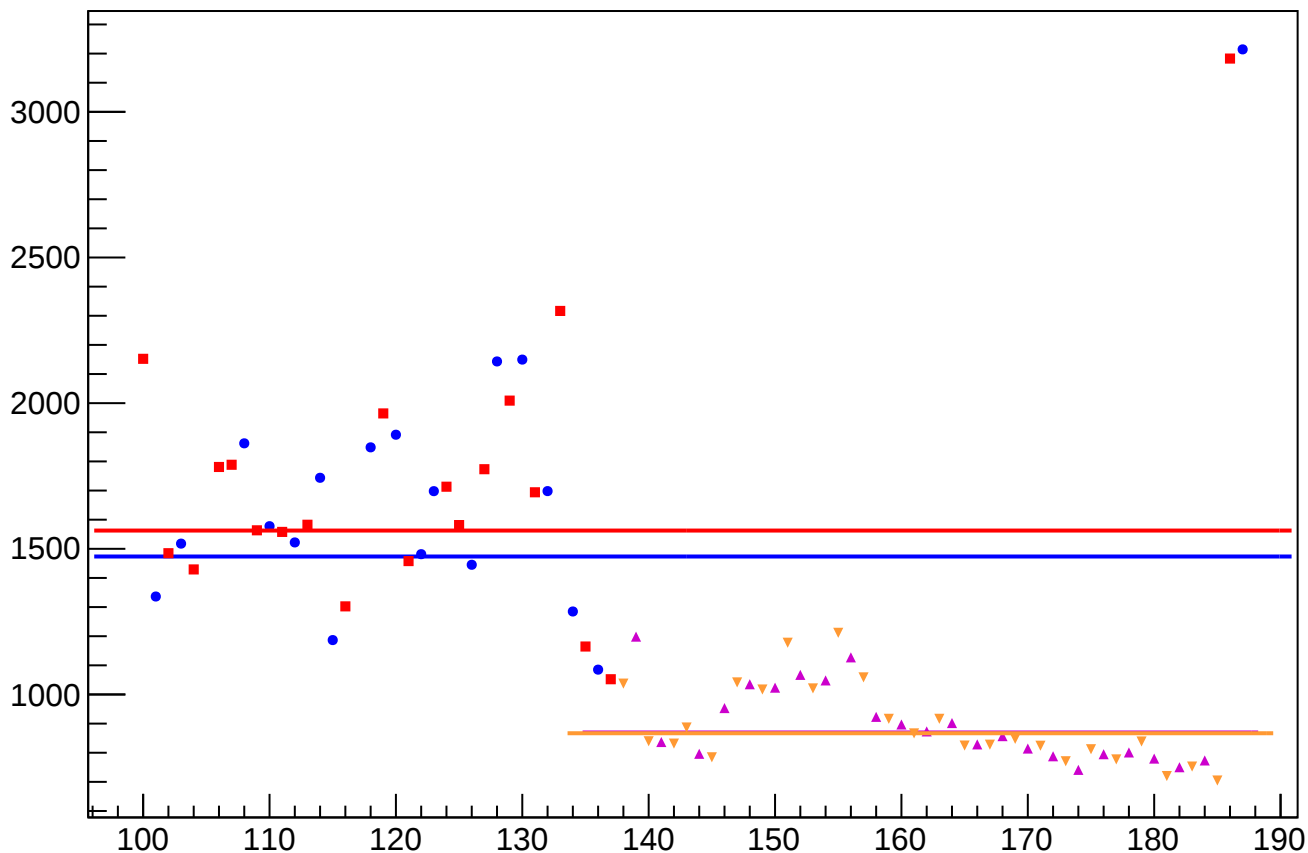
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -856.730 ± 192.630 χ^2/NDF : 76.5/42

All: -488.319 ± 137.989 χ^2/NDF : 129.4/85

- sign -100.007 ± 197.764 χ^2/NDF : 45.4/42

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1473.614 $\pm$ 0.412 χ^2 /NDF: 654360.2/17

Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF: 661712.5/24

Right Out: 1562.688 $\pm$ 0.415 χ^2 /NDF: 654736.8/19

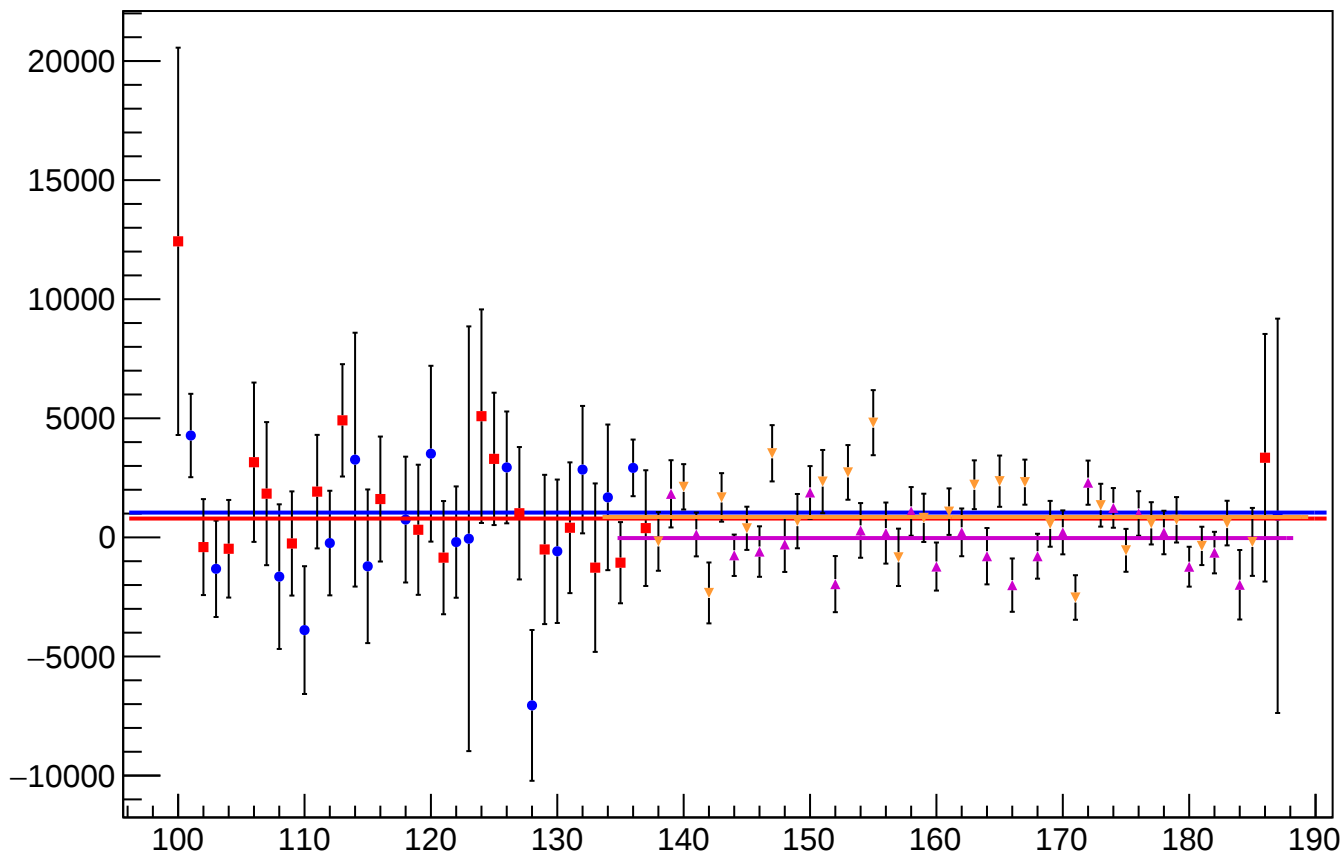
Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

+ sign 933.119 $\pm$ 0.136 χ^2 /NDF: 3245368.7/42

All: 940.565 $\pm$ 0.098 χ^2 /NDF: 6965198.1/85

- sign 948.413 $\pm$ 0.140 χ^2 /NDF: 3713691.3/42

asym_sam_24_68_dd_mean vs Slug



Right In: 1041.809+/-584.255 χ^2/NDF : 21.2/17

Left Out: 855.664+/-205.047 χ^2/NDF : 54.1/24

Right Out: 791.137+/-587.710 χ^2/NDF : 11.2/19

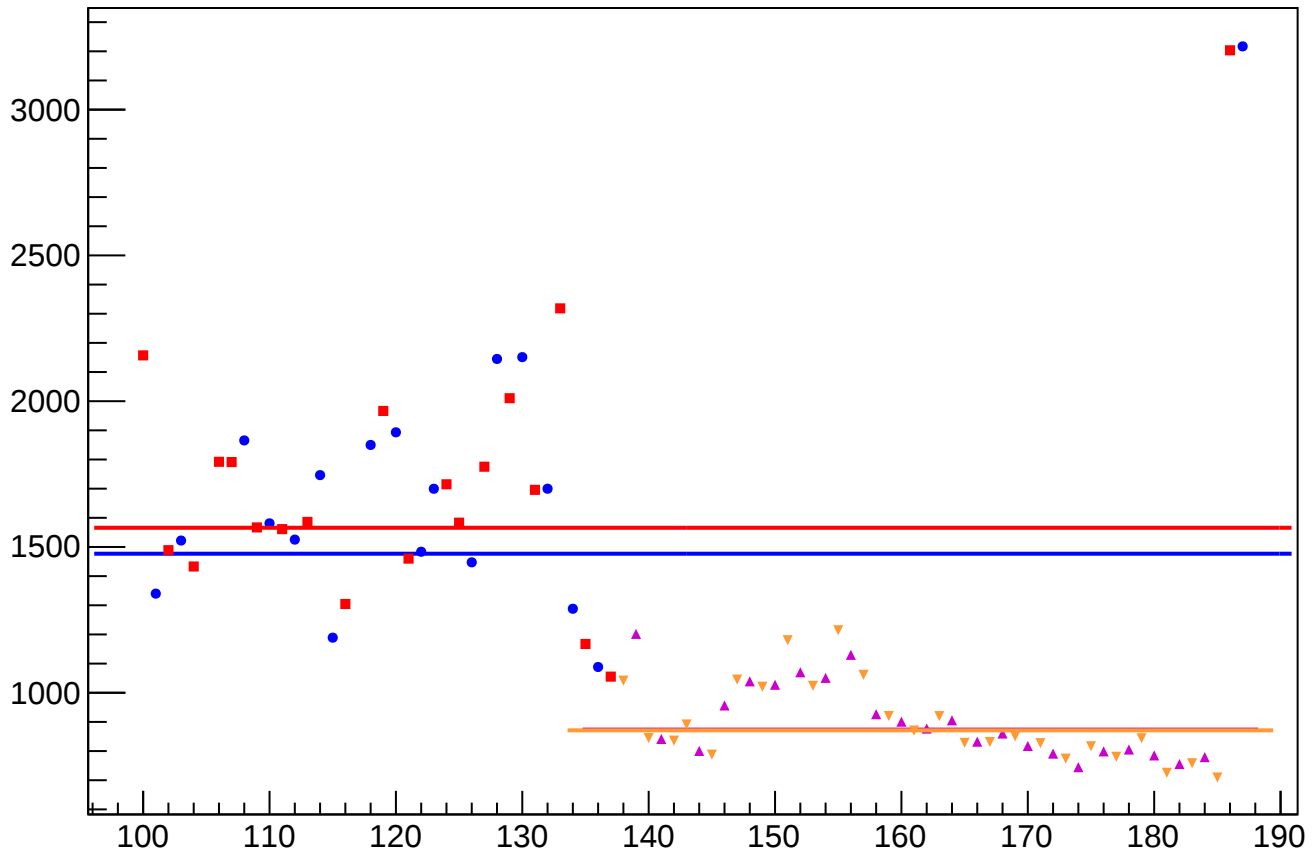
Left In: -28.553+/-211.034 χ^2/NDF : 29.7/22

+ sign 876.077+/-193.478 χ^2/NDF : 75.3/42

All: 481.200+/-138.591 χ^2/NDF : 126.6/85

- sign 65.065+/-198.617 χ^2/NDF : 42.7/42

asym_sam_24_68_dd_rms vs Slug



Right In: 1476.905 $\pm$ 0.413 χ^2 /NDF: 650690.0/17

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

Right Out: 1565.865 $\pm$ 0.416 χ^2 /NDF: 654478.7/19

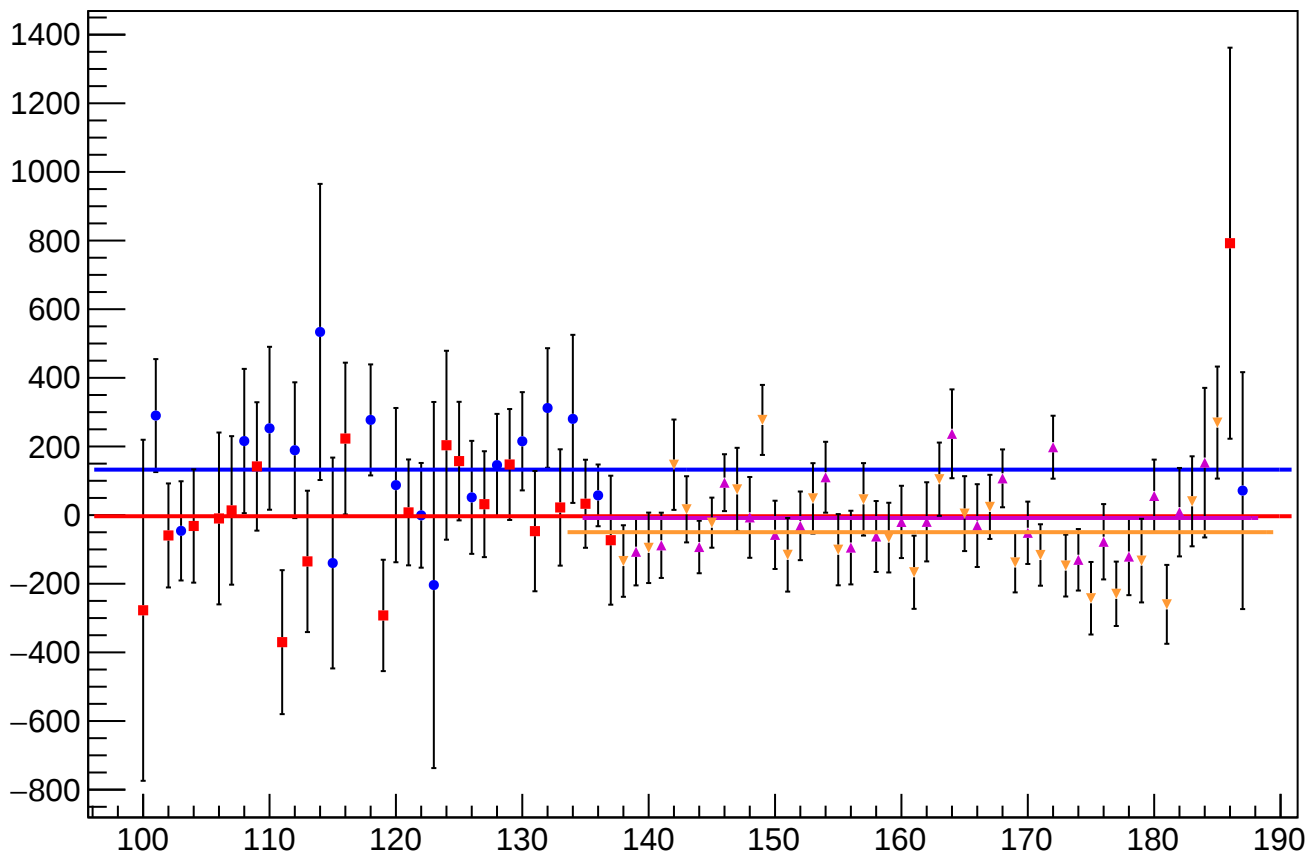
Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

+ sign 937.542 $\pm$ 0.137 χ^2 /NDF: 3216838.6/42

All: 944.937 $\pm$ 0.098 χ^2 /NDF: 6908593.7/85

- sign 952.731 $\pm$ 0.140 χ^2 /NDF: 3685753.4/42

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 132.516 $\pm$ 41.404 χ^2 /NDF: 9.3/17

Left Out: -49.717 $\pm$ 20.580 χ^2 /NDF: 39.4/24

Right Out: -3.273 $\pm$ 41.402 χ^2 /NDF: 13.4/19

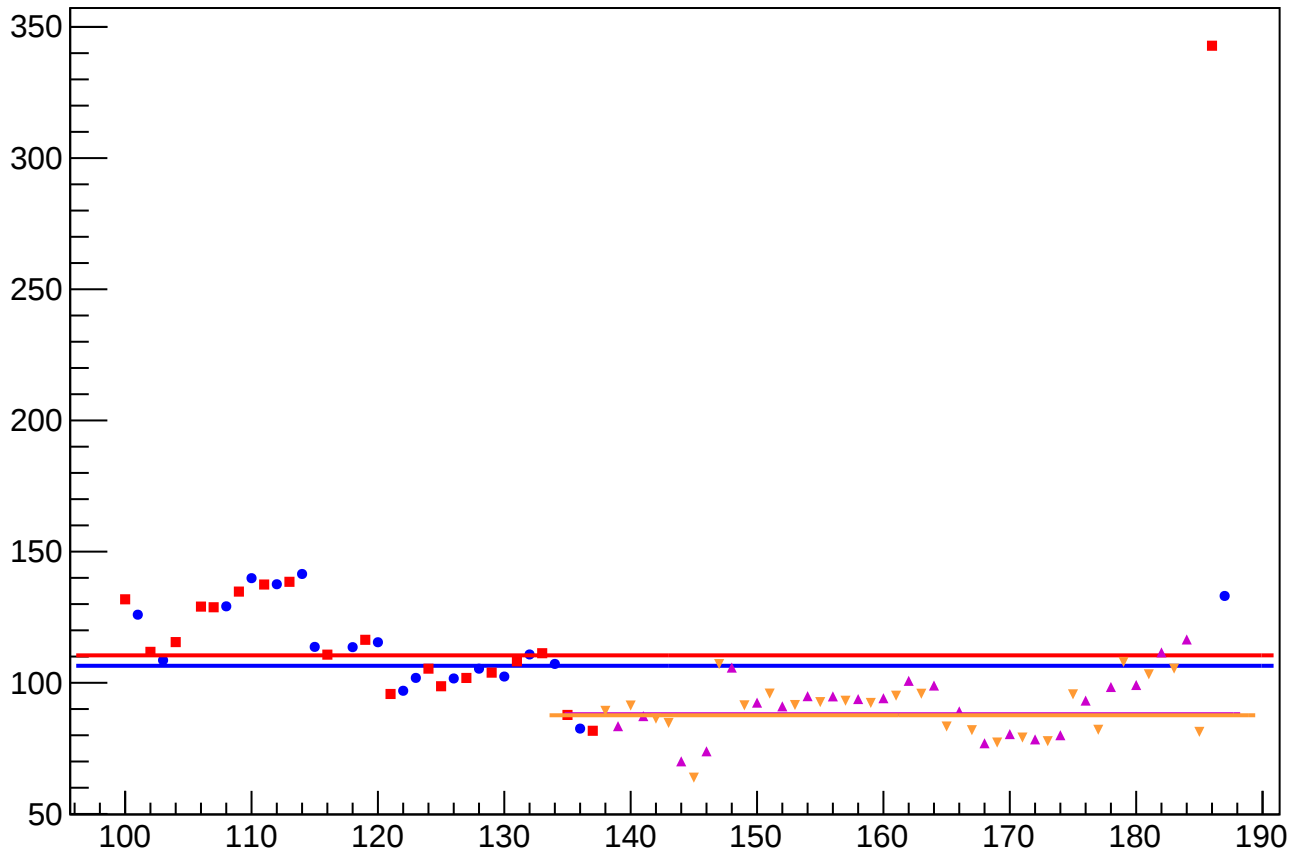
Left In: -8.343 $\pm$ 21.271 χ^2 /NDF: 22.0/22

+ sign -13.613 $\pm$ 18.429 χ^2 /NDF: 64.3/42

All: -10.532 $\pm$ 13.202 χ^2 /NDF: 99.7/85

- sign -7.284 $\pm$ 18.920 χ^2 /NDF: 35.4/42

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.482 ± 0.029 $\chi^2/\text{NDF}: 328177.9/17$

Left Out: 87.625 ± 0.015 $\chi^2/\text{NDF}: 554690.7/24$

Right Out: 110.460 ± 0.029 $\chi^2/\text{NDF}: 617993.1/19$

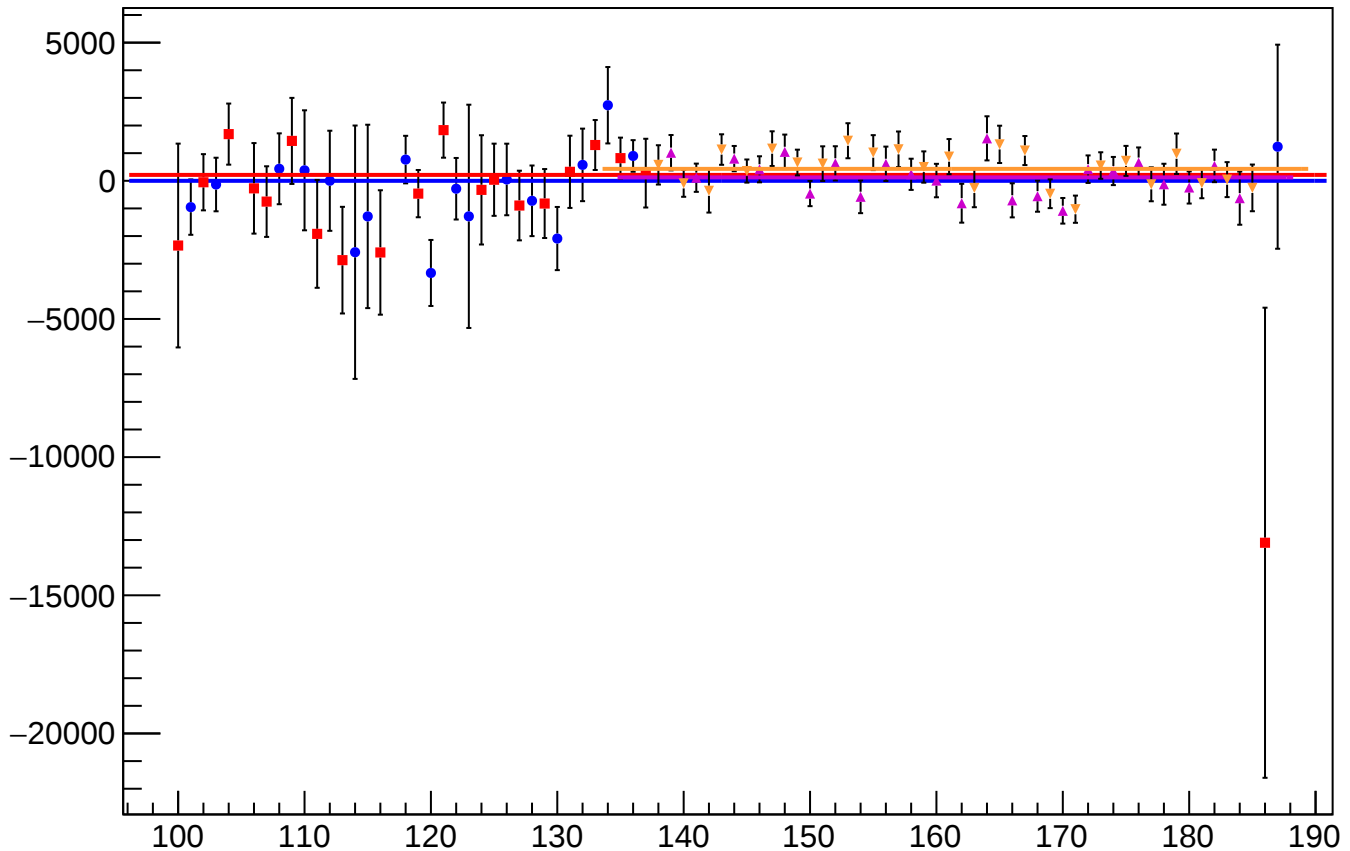
Left In: 88.032 ± 0.015 $\chi^2/\text{NDF}: 523710.9/22$

+ sign 91.361 ± 0.013 $\chi^2/\text{NDF}: 1215524.6/42$

All: 92.021 ± 0.009 $\chi^2/\text{NDF}: 2826832.8/85$

- sign 92.716 ± 0.013 $\chi^2/\text{NDF}: 1606046.9/42$

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -0.982 ± 283.426 χ^2/NDF : 20.6/17

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 213.388 ± 279.994 χ^2/NDF : 18.3/19

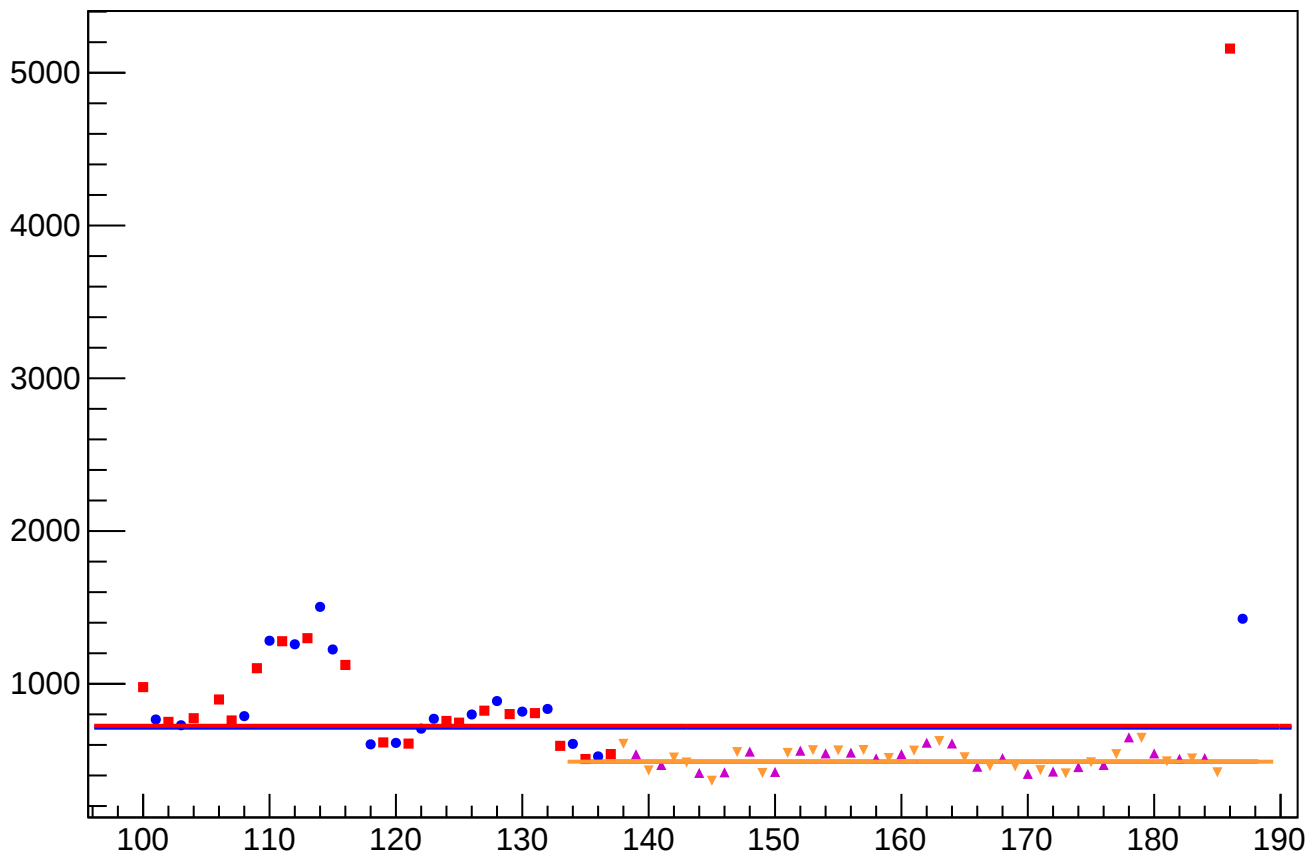
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 369.855 ± 107.123 χ^2/NDF : 53.1/42

All: 255.786 ± 76.540 χ^2/NDF : 103.1/85

- sign 136.814 ± 109.401 χ^2/NDF : 47.6/42

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 713.044 $\pm$ 0.200 χ^2 /NDF: 868468.8/17

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 725.490 $\pm$ 0.198 χ^2 /NDF: 1445566.2/19

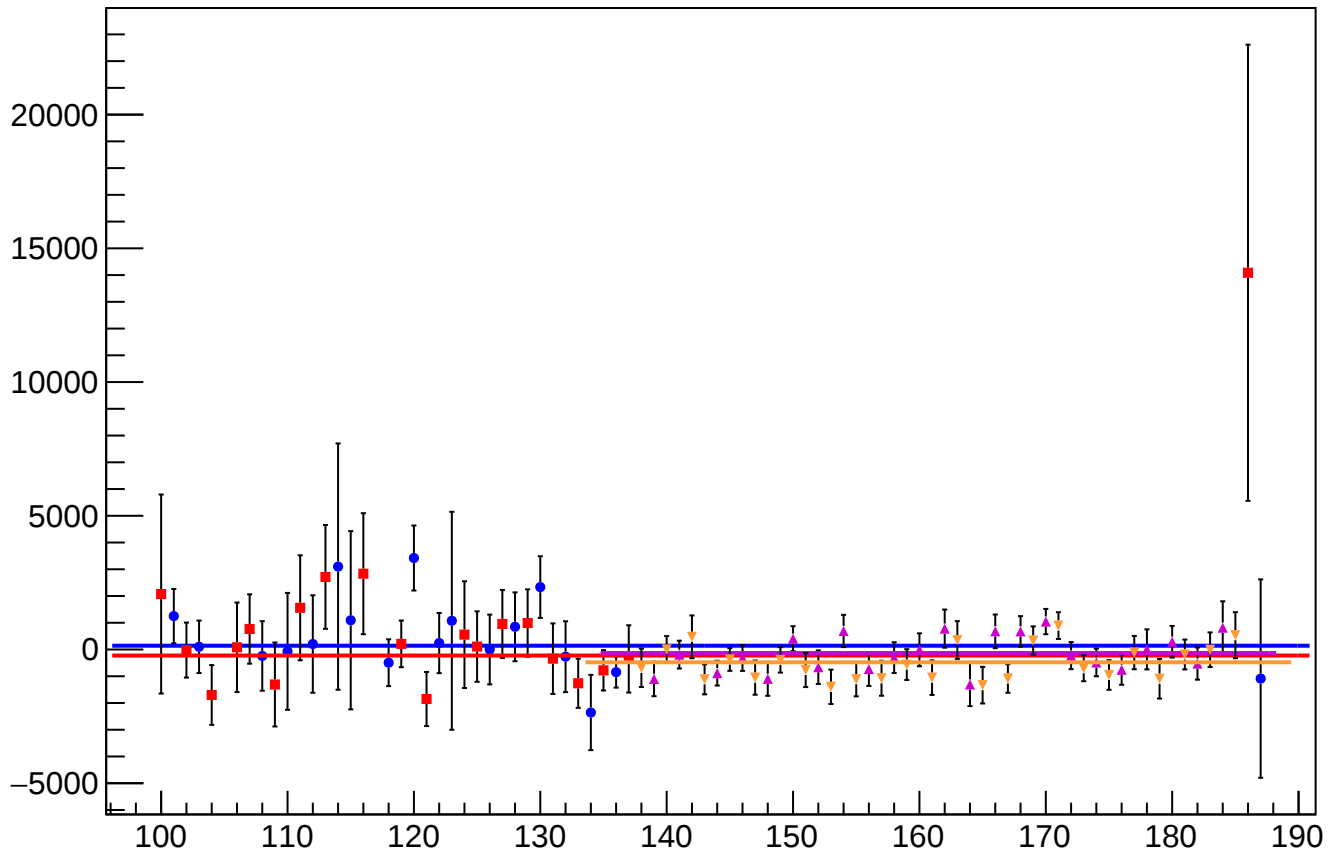
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 522.091 $\pm$ 0.076 χ^2 /NDF: 2677869.7/42

All: 524.358 $\pm$ 0.054 χ^2 /NDF: 5904010.8/85

- sign 526.722 $\pm$ 0.077 χ^2 /NDF: 3224311.1/42

asym_sam_26_48_dd_mean vs Slug



Right In: 141.717 ± 286.887 χ^2/NDF : 19.8/17

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -225.361 ± 283.626 χ^2/NDF : 17.7/19

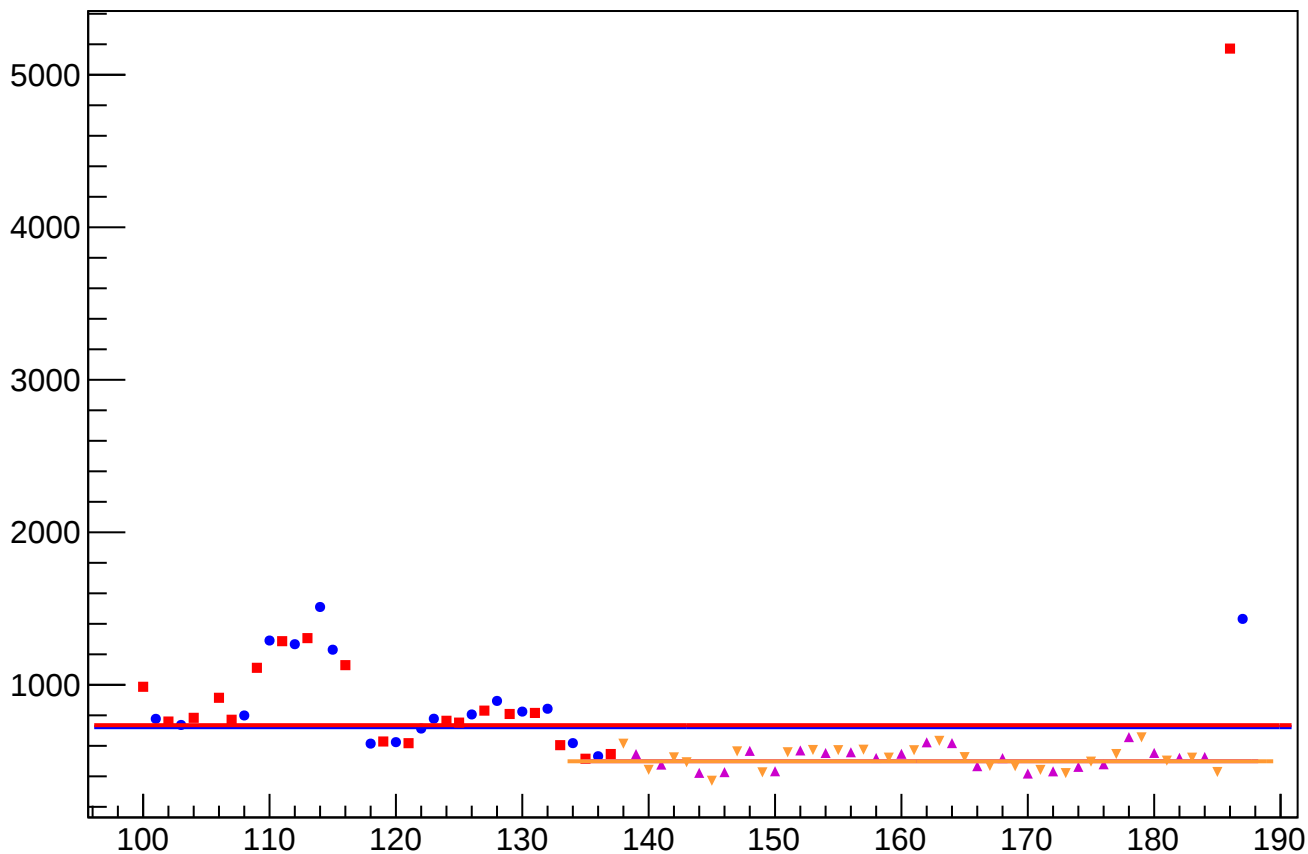
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -388.940 ± 108.860 χ^2/NDF : 51.6/42

All: -270.439 ± 77.786 χ^2/NDF : 101.4/85

- sign -146.808 ± 111.191 χ^2/NDF : 47.3/42

asym_sam_26_48_dd_rms vs Slug



Right In: 722.287 $\pm$ 0.203 χ^2 /NDF: 852203.9/17

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 735.456 $\pm$ 0.201 χ^2 /NDF: 1425434.7/19

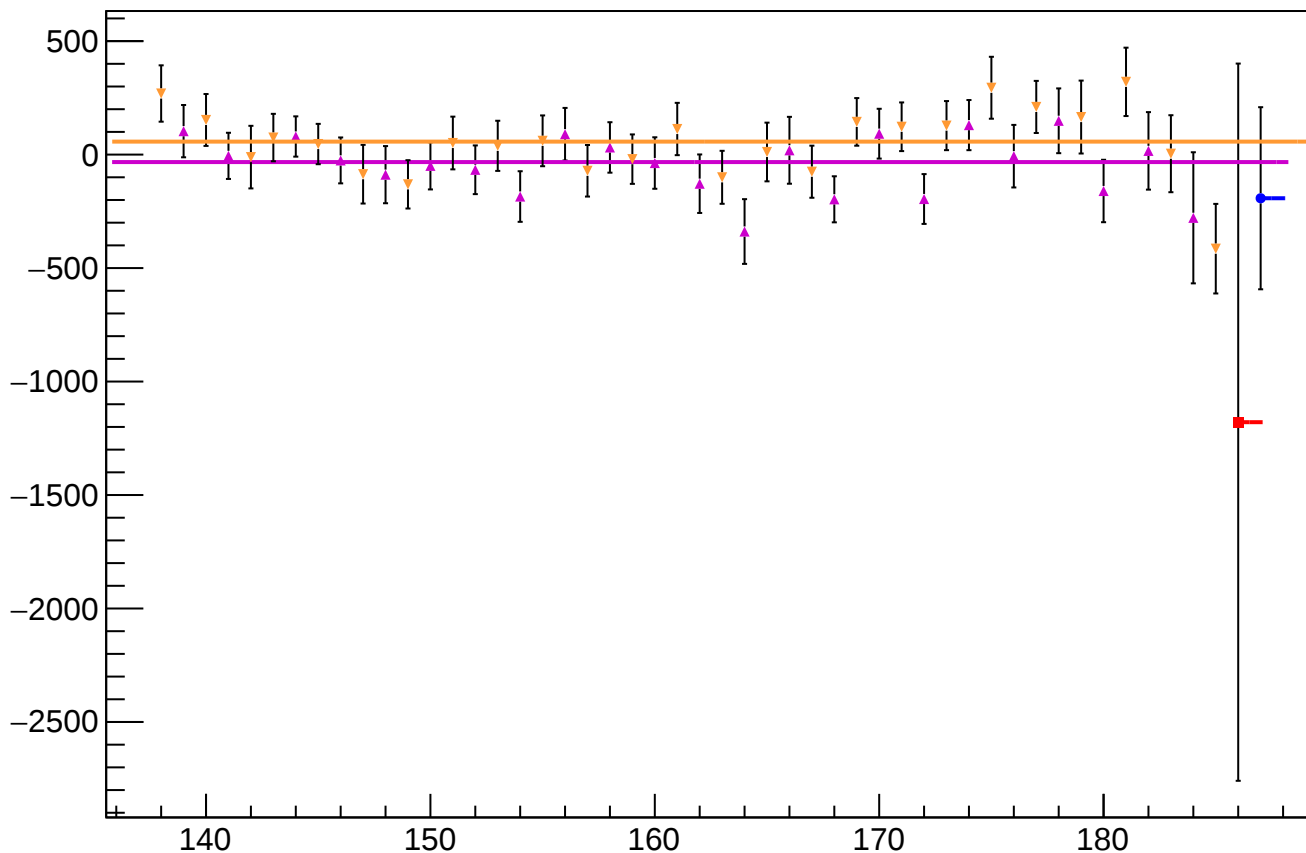
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 530.939 $\pm$ 0.077 χ^2 /NDF: 2625877.7/42

All: 533.256 $\pm$ 0.055 χ^2 /NDF: 5802225.9/85

- sign 535.673 $\pm$ 0.079 χ^2 /NDF: 3174496.9/42

reg_asym_sam_1548_avg_mean vs Slug



Right In: -192.333 ± 401.193 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 57.211 ± 23.714 $\chi^2/\text{NDF}: 29.2/24$

Right Out: -1179.060 ± 1580.134 $\chi^2/\text{NDF}: 0.0/0$

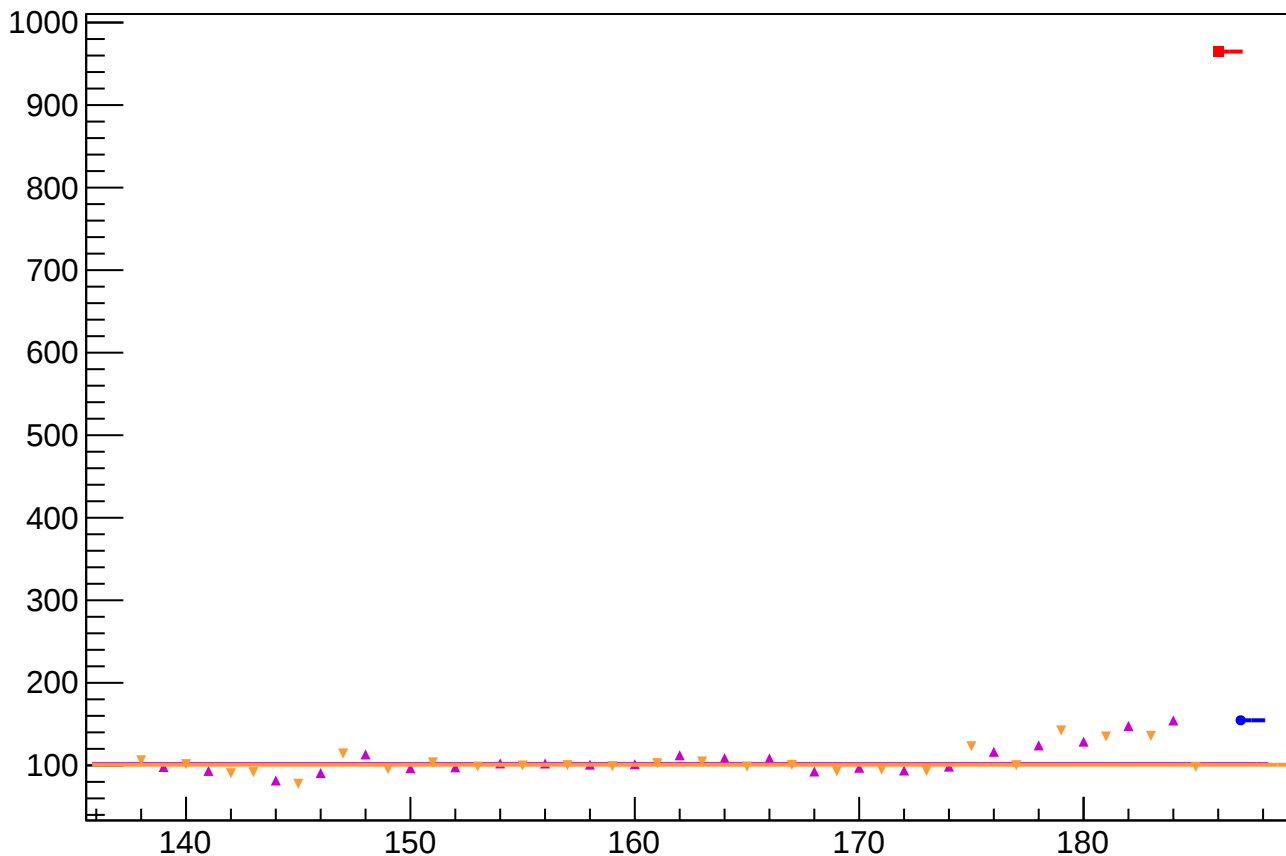
Left In: -32.948 ± 24.587 $\chi^2/\text{NDF}: 23.6/22$

+ sign 56.342 ± 23.672 $\chi^2/\text{NDF}: 29.6/25$

All: 13.250 ± 17.052 $\chi^2/\text{NDF}: 60.6/49$

- sign -33.226 ± 24.584 $\chi^2/\text{NDF}: 24.1/23$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 154.621 $\pm$ 0.284 χ^2 /NDF: 0.0/0

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 964.788 $\pm$ 1.117 χ^2 /NDF: 0.0/0

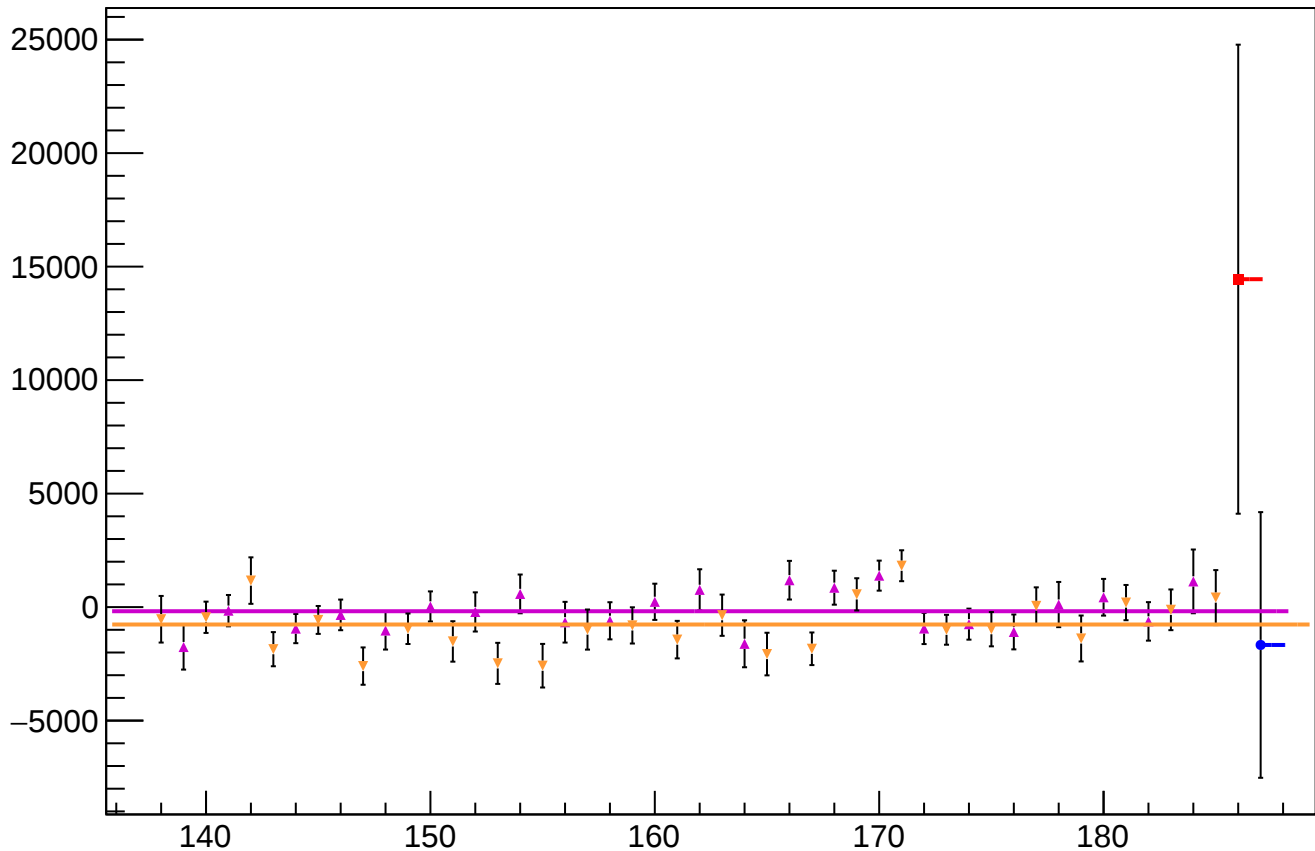
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 100.988 $\pm$ 0.017 χ^2 /NDF: 636369.8/25

All: 101.393 $\pm$ 0.012 χ^2 /NDF: 1816576.9/49

- sign 101.831 $\pm$ 0.017 χ^2 /NDF: 1178987.5/23

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1667.704 ± 5851.940 χ^2/NDF : 0.0/0

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: 14446.137 ± 10331.594 χ^2/NDF : 0.0/0

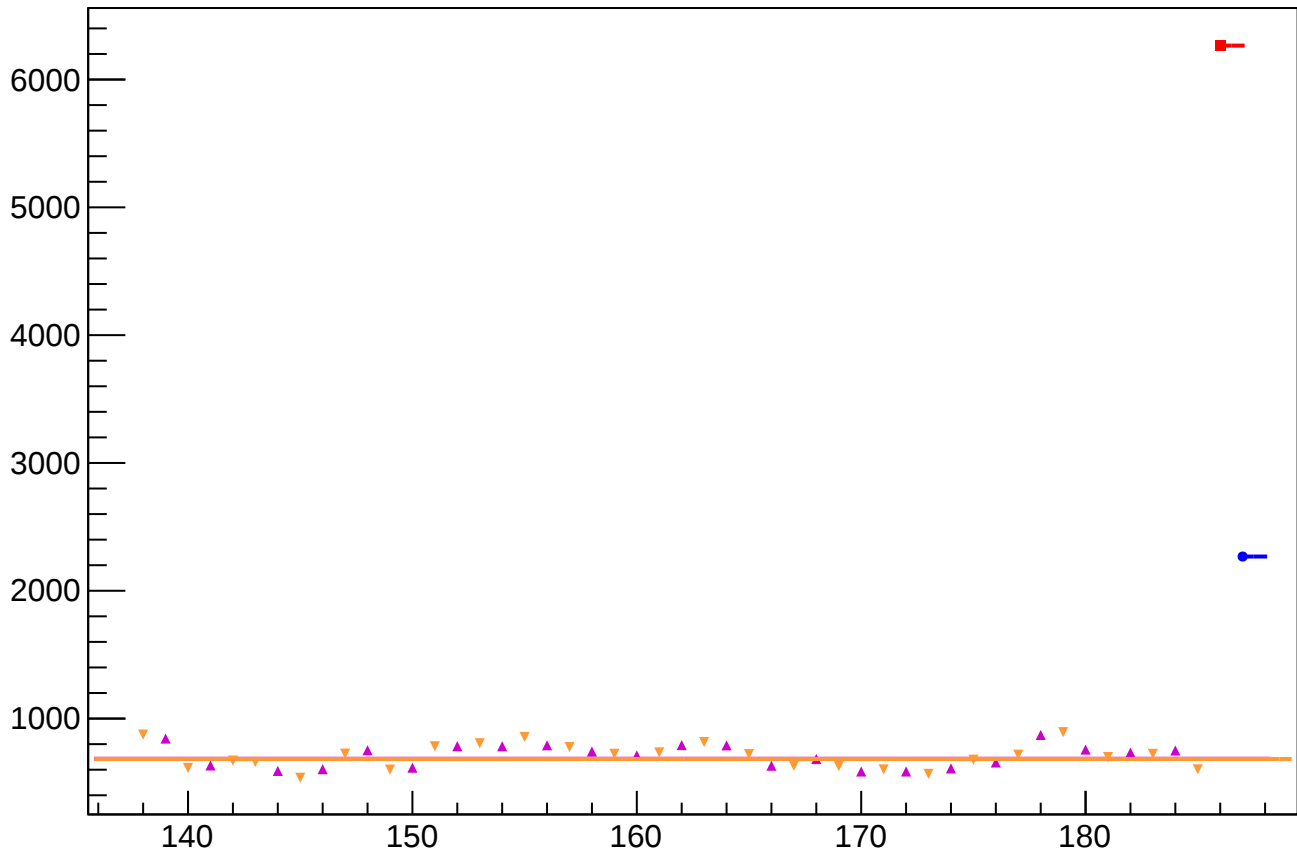
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -767.040 ± 161.005 χ^2/NDF : 46.6/25

All: -480.807 ± 115.455 χ^2/NDF : 80.1/49

- sign -177.823 ± 165.650 χ^2/NDF : 27.0/23

asym_sam_1548_avg_correction_rms vs Slug



Right In: 2267.876 $\pm$ 4.138 χ^2 /NDF: 0.0/0

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 6265.420 $\pm$ 7.306 χ^2 /NDF: 0.0/0

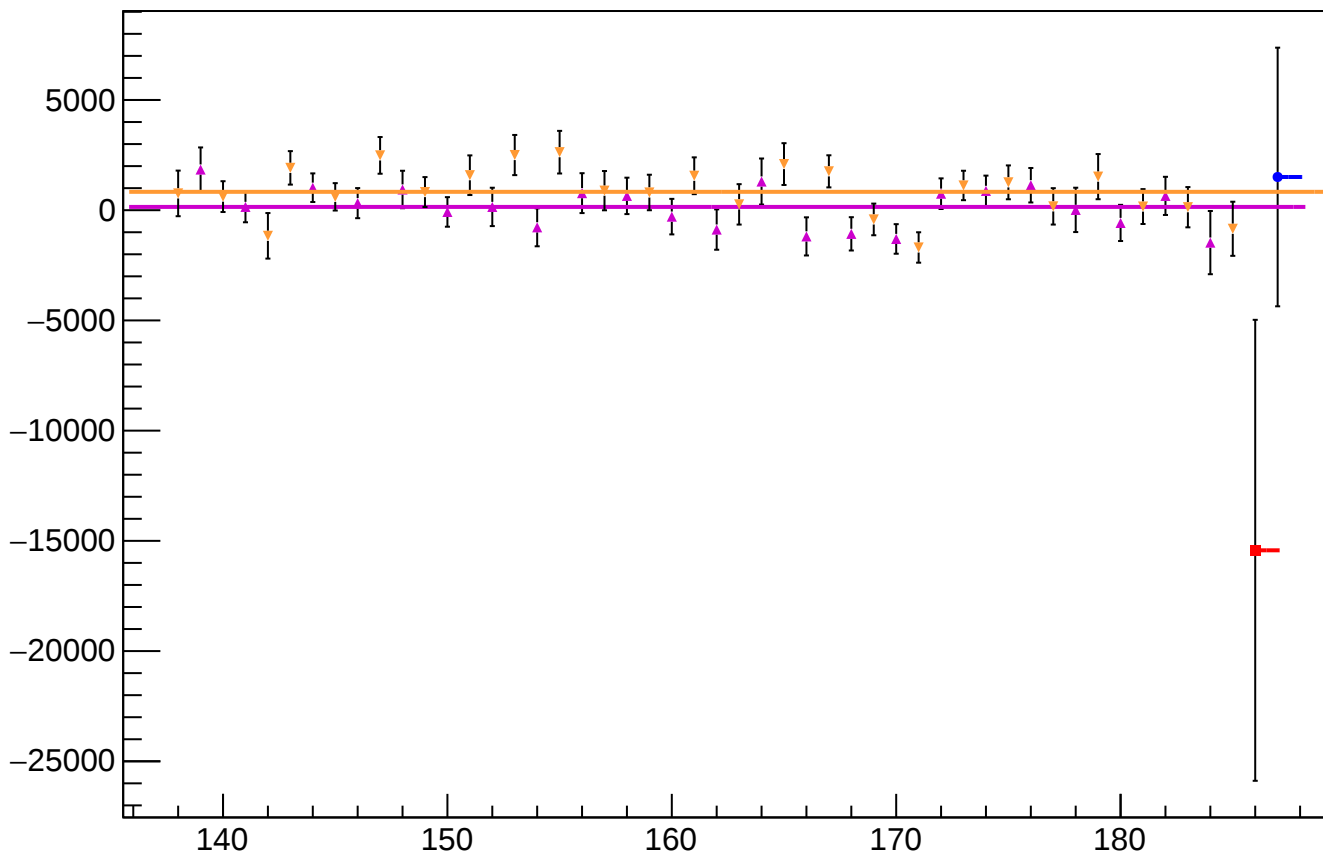
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 685.083 $\pm$ 0.114 χ^2 /NDF: 813580.5/25

All: 686.028 $\pm$ 0.082 χ^2 /NDF: 1926286.0/49

- sign 687.027 $\pm$ 0.117 χ^2 /NDF: 1112563.9/23

asym_sam_1548_avg_mean vs Slug



Right In: 1506.366 $\pm$ 5866.523 χ^2 /NDF: 0.0/0

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF:43.2/24

Right Out: -15429.058 $\pm$ 10455.613 χ^2 /NDF: 0.0/0

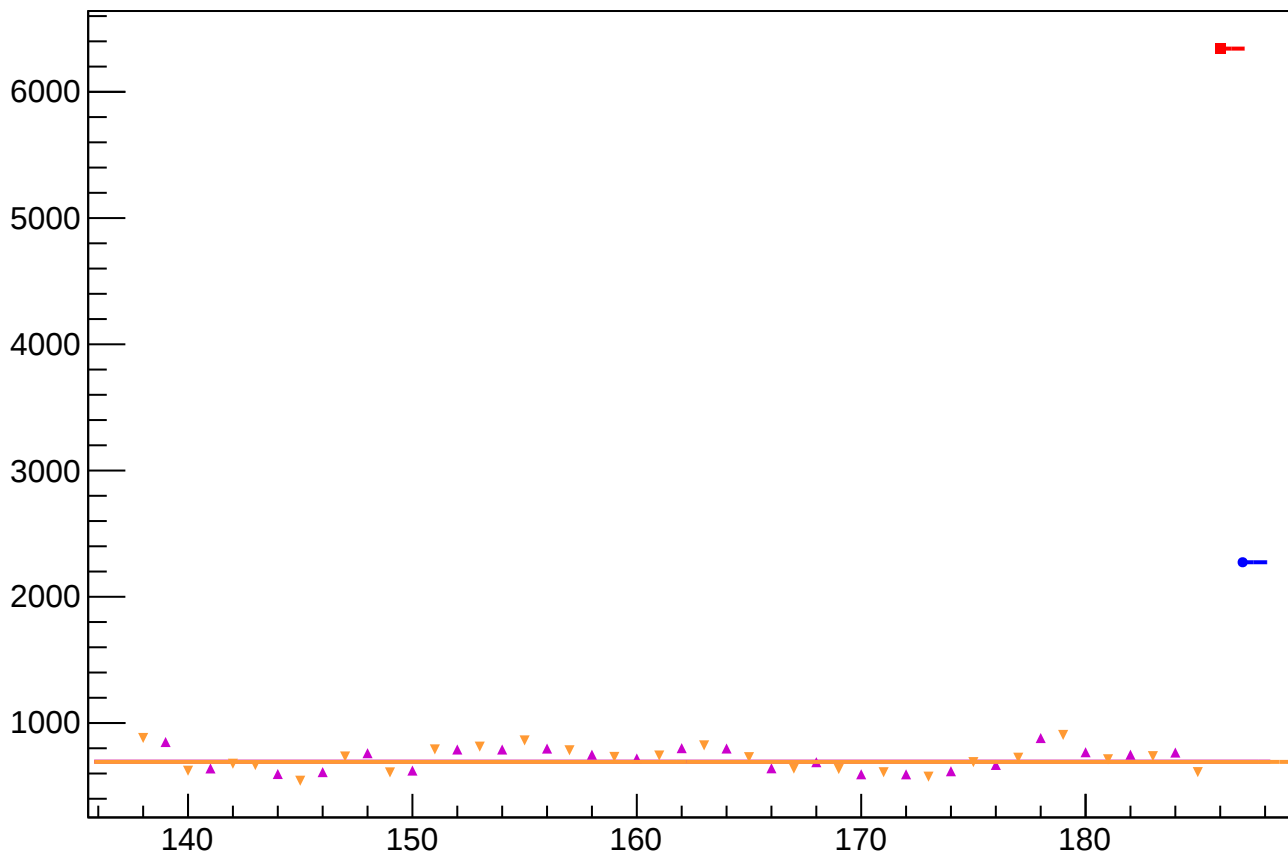
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF:26.0/22

+ sign 833.914 $\pm$ 162.902 χ^2 /NDF: 43.2/25

All: 499.201 $\pm$ 116.822 χ^2 /NDF: 80.2/49

- sign 144.810 $\pm$ 167.623 χ^2 /NDF: 28.2/23

asym_sam_1548_avg_rms vs Slug



Right In: 2273.510 $\pm$ 4.148 χ^2 /NDF: 0.0/0

Left Out: 692.097 $\pm$ 0.115 χ^2 /NDF: 657259.6/24

Right Out: 6342.458 $\pm$ 7.393 χ^2 /NDF: 0.0/0

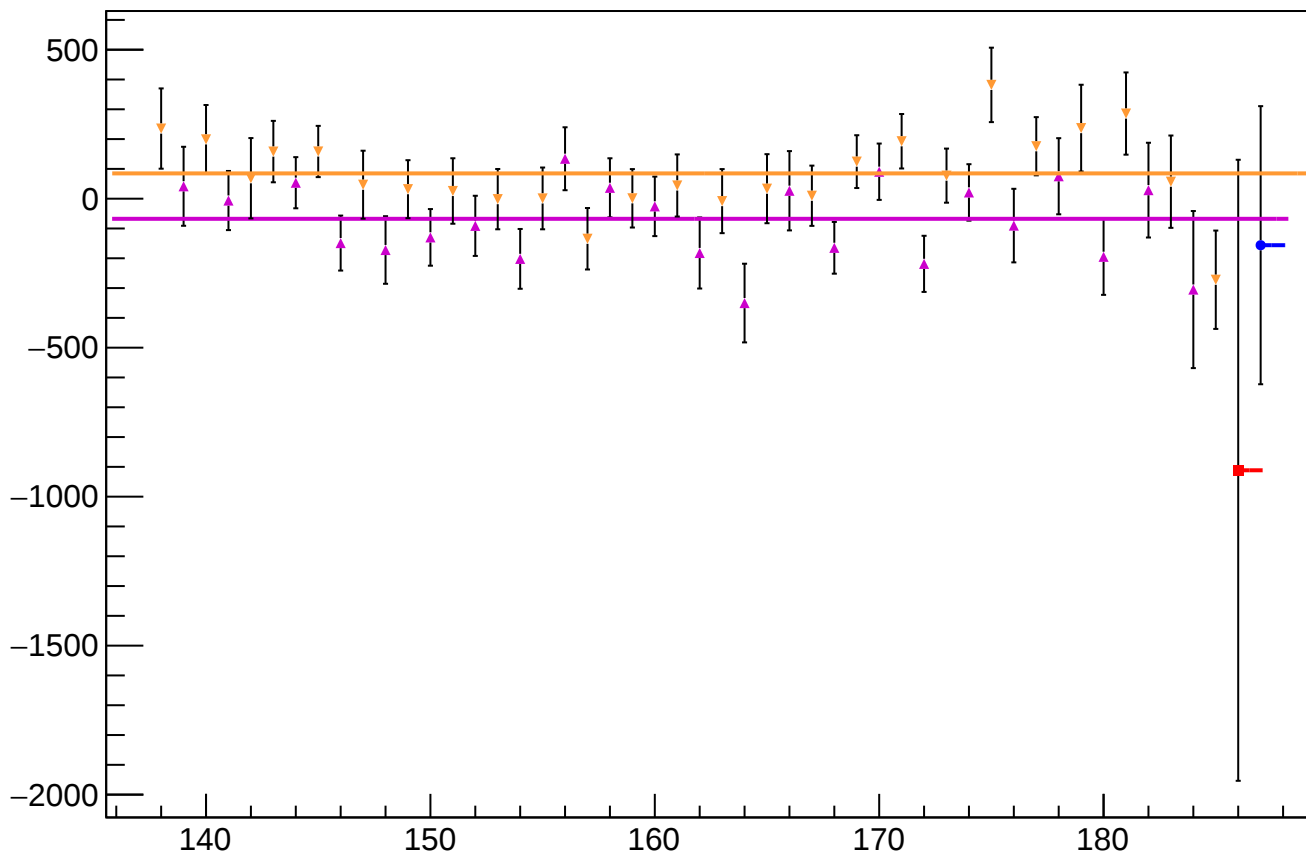
Left In: 693.867 $\pm$ 0.119 χ^2 /NDF: 522053.5/22

+ sign 693.316 $\pm$ 0.115 χ^2 /NDF: 802478.9/25

All: 694.289 $\pm$ 0.083 χ^2 /NDF: 1908258.1/49

- sign 695.319 $\pm$ 0.119 χ^2 /NDF: 1105632.4/23

reg_asym_sam_3748_avg_mean vs Slug



Right In: -156.105 ± 466.644 χ^2/NDF : 0.0/0

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: -911.496 ± 1042.106 χ^2/NDF : 0.0/0

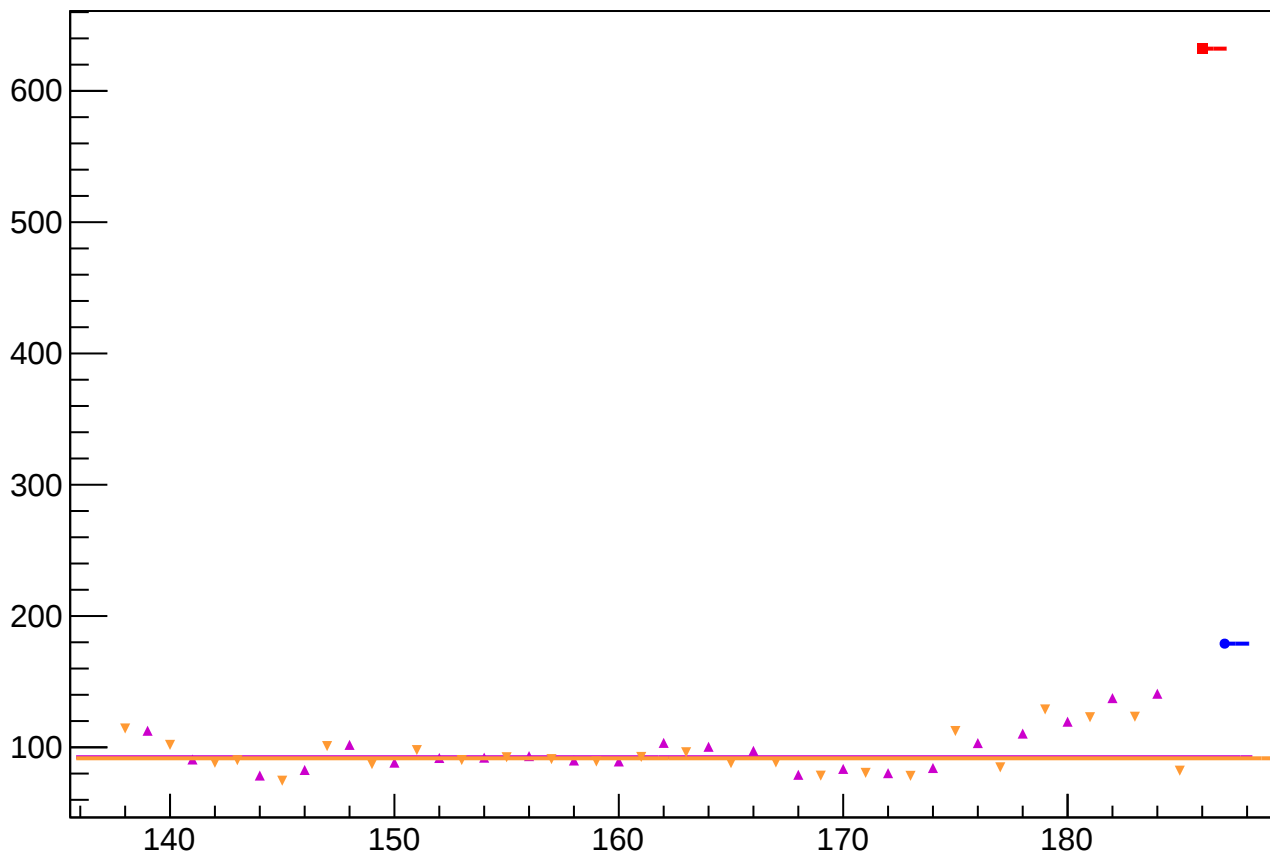
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 84.342 ± 21.620 χ^2/NDF : 28.8/25

All: 11.048 ± 15.571 χ^2/NDF : 82.2/49

- sign -67.944 ± 22.444 χ^2/NDF : 29.5/23

reg_asym_sam_3748_avg_rms vs Slug



Right In: 178.963 $\pm$ 0.330 χ^2 /NDF: 0.0/0

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 632.197 $\pm$ 0.737 χ^2 /NDF: 0.0/0

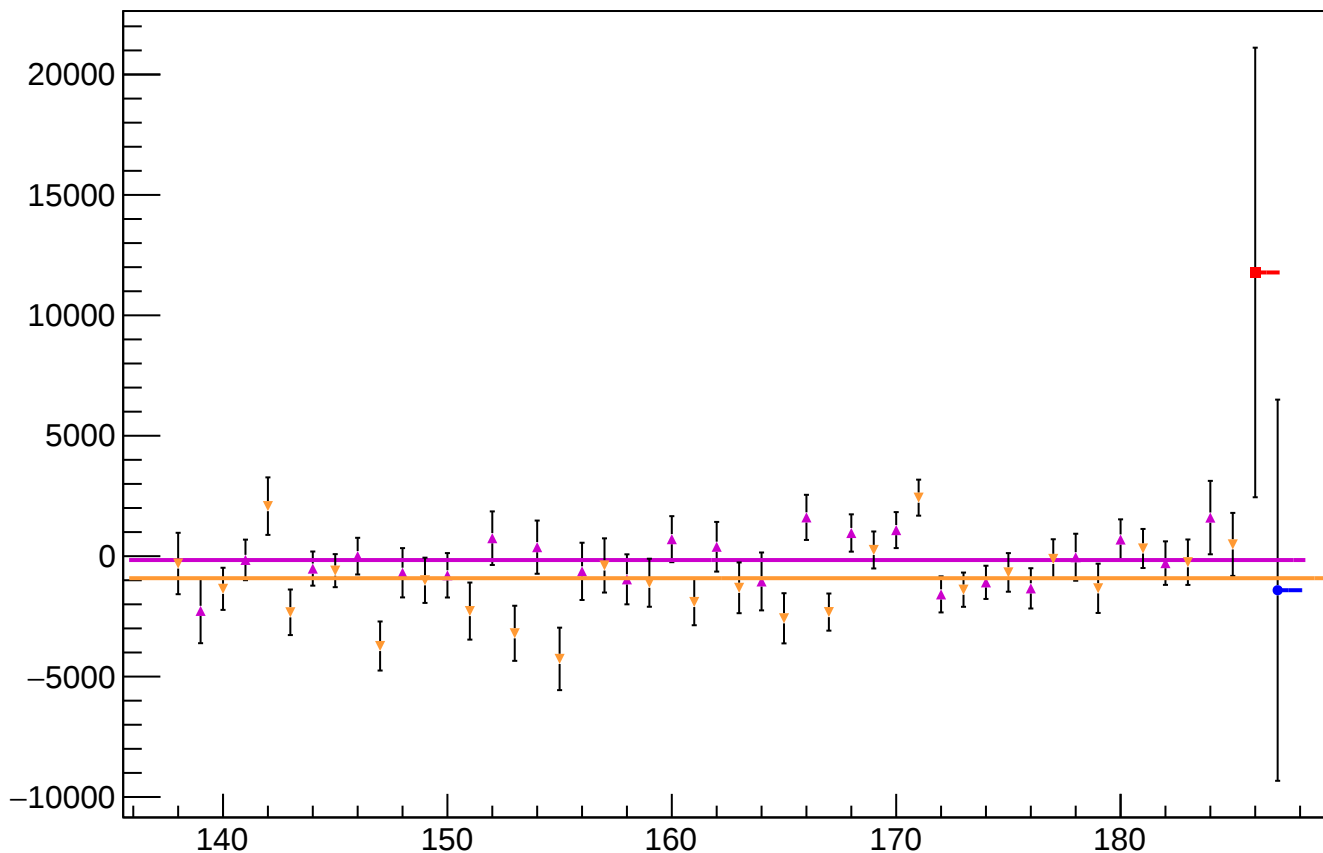
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 91.820 $\pm$ 0.015 χ^2 /NDF: 763017.9/25

All: 92.251 $\pm$ 0.011 χ^2 /NDF: 1956612.5/49

- sign 92.716 $\pm$ 0.016 χ^2 /NDF: 1191940.9/23

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1413.862 ± 7913.482 χ^2/NDF : 0.0/0

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: 11780.130 ± 9334.043 χ^2/NDF : 0.0/0

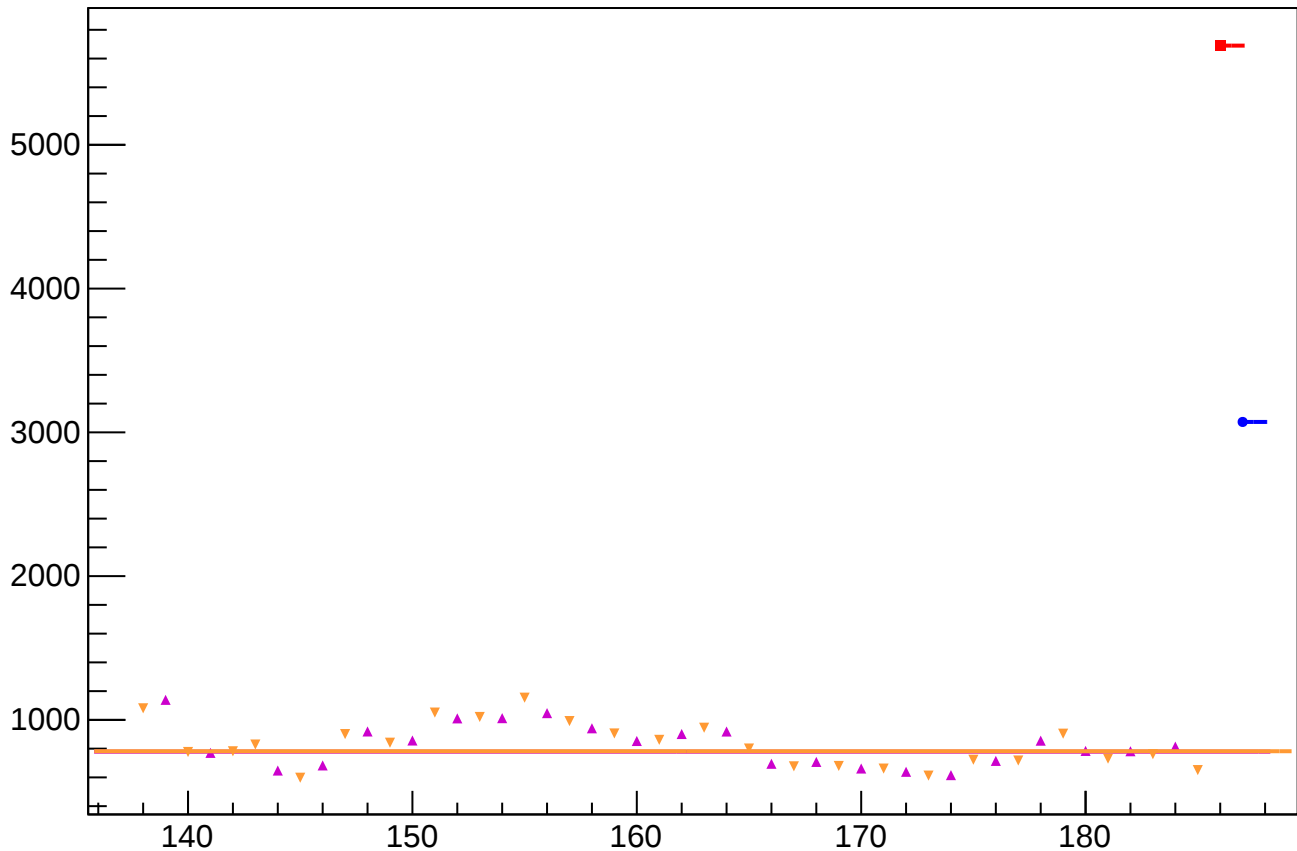
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -914.993 ± 185.290 χ^2/NDF : 64.2/25

All: -544.001 ± 132.467 χ^2/NDF : 99.1/49

- sign -156.157 ± 189.452 χ^2/NDF : 26.7/23

asym_sam_3748_avg_correction_rms vs Slug



Right In: 3072.444+/-5.596 χ^2/NDF : 0.0/0

Left Out: 782.042+/-0.131 χ^2/NDF :1130984.3/24

Right Out: 5690.010+/-6.600 χ^2/NDF : 0.0/0

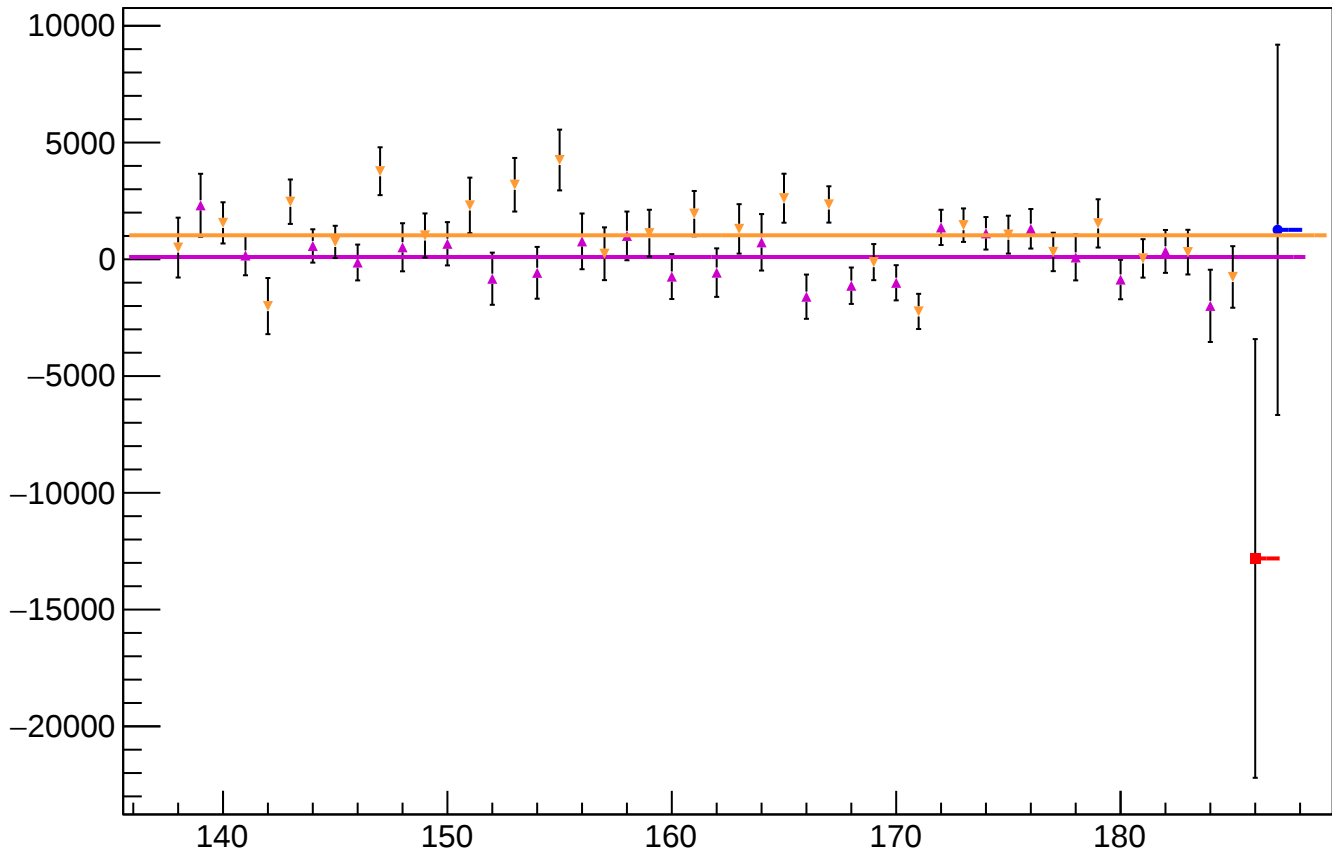
Left In: 778.995+/-0.134 χ^2/NDF :980243.4/22

+ sign 783.298+/-0.131 χ^2/NDF : 1298432.4/25

All: 782.183+/-0.094 χ^2/NDF : 2832242.9/49

- sign 781.018+/-0.134 χ^2/NDF : 1533662.5/23

asym_sam_3748_avg_mean vs Slug



Right In: 1262.741 $\pm$ 7929.221 χ^2 /NDF: 0.0/0

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF:60.2/24

Right Out: -12810.123 $\pm$ 9393.692 χ^2 /NDF: 0.0/0

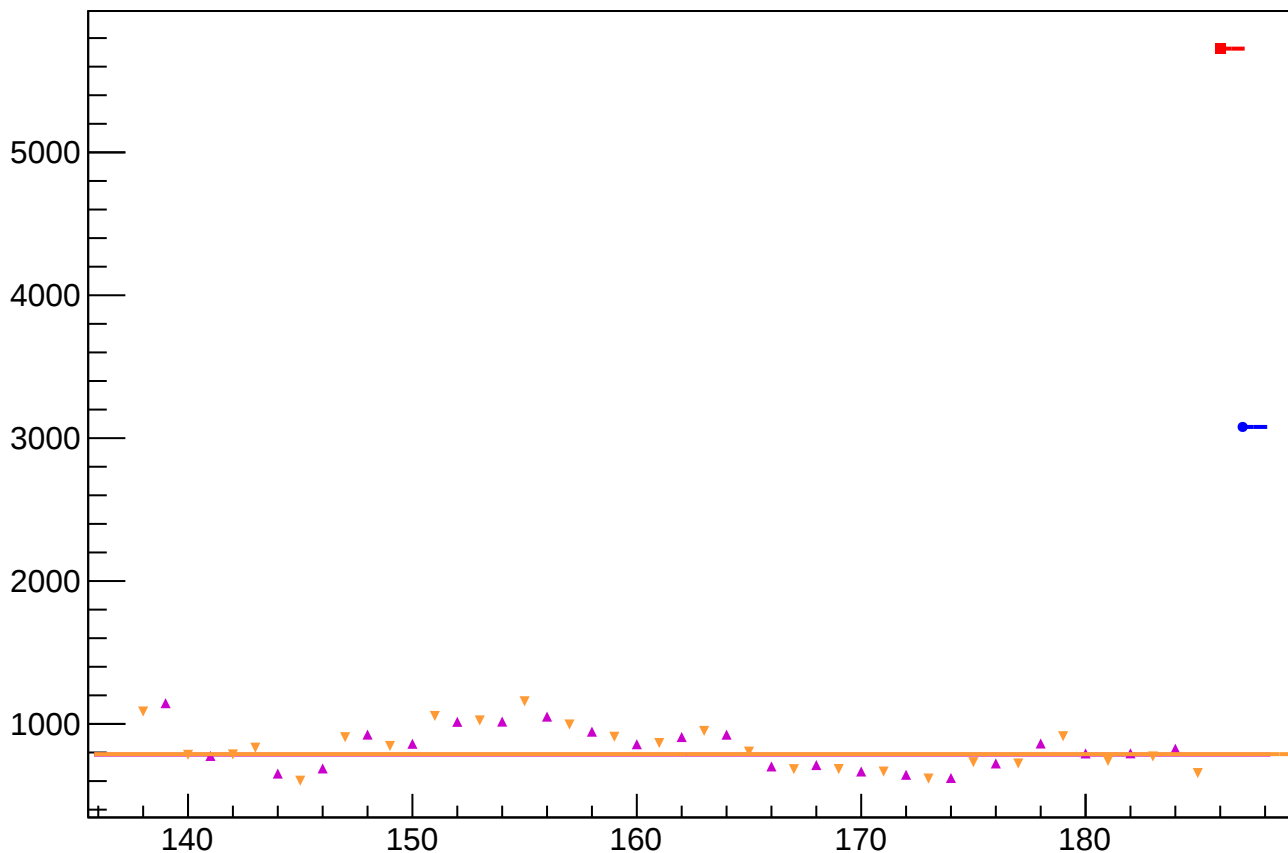
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF:25.4/22

+ sign 1028.994 $\pm$ 186.758 χ^2 /NDF: 60.2/25

All: 571.648 $\pm$ 133.528 χ^2 /NDF: 99.7/49

- sign 93.355 $\pm$ 190.987 χ^2 /NDF: 27.3/23

asym_sam_3748_avg_rms vs Slug



Right In: 3078.464 $\pm$ 5.607 χ^2 /NDF: 0.0/0

Left Out: 788.442 $\pm$ 0.132 χ^2 /NDF:1113741.6/24

Right Out: 5726.201 $\pm$ 6.642 χ^2 /NDF: 0.0/0

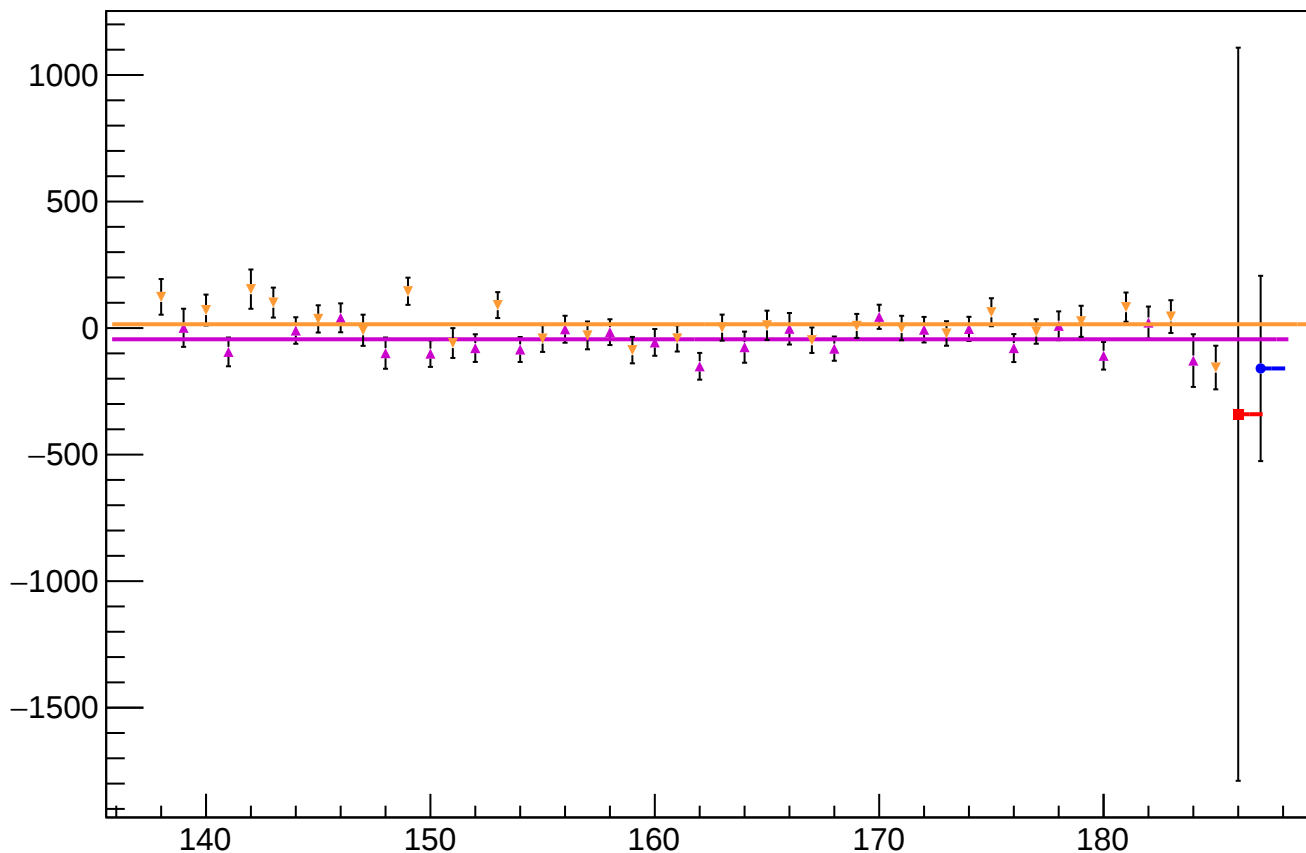
Left In: 785.490 $\pm$ 0.135 χ^2 /NDF:965338.9/22

+ sign 789.712 $\pm$ 0.132 χ^2 /NDF: 1280469.2/25

All: 788.647 $\pm$ 0.094 χ^2 /NDF: 2798981.2/49

- sign 787.533 $\pm$ 0.135 χ^2 /NDF: 1518378.9/23

reg_asym_sam_1526_avg_mean vs Slug



Right In: -159.537+/-366.124 χ^2 /NDF: 0.0/0

Left Out: 15.099+/-11.154 χ^2 /NDF:34.2/24

Right Out: -340.459+/-1448.453 χ^2 /NDF: 0.0/0

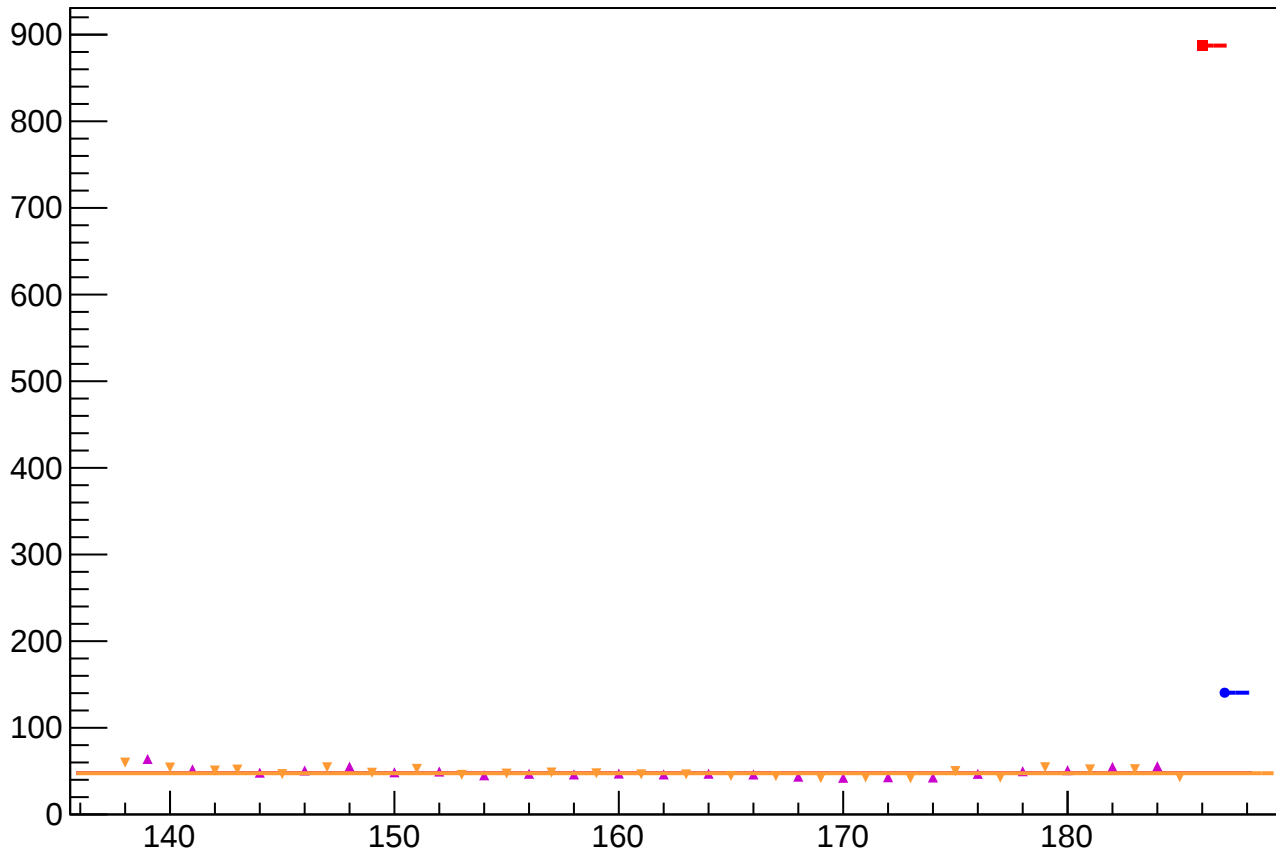
Left In: -44.297+/-11.530 χ^2 /NDF:22.3/22

+ sign 14.937+/-11.149 χ^2 /NDF: 34.4/25

All: -13.696+/-8.015 χ^2 /NDF: 70.4/49

- sign -44.316+/-11.529 χ^2 /NDF: 22.3/23

reg_asym_sam_1526_avg_rms vs Slug



Right In: 140.515 $\pm$ 0.259 χ^2 /NDF: 0.0/0

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 887.366 $\pm$ 1.024 χ^2 /NDF: 0.0/0

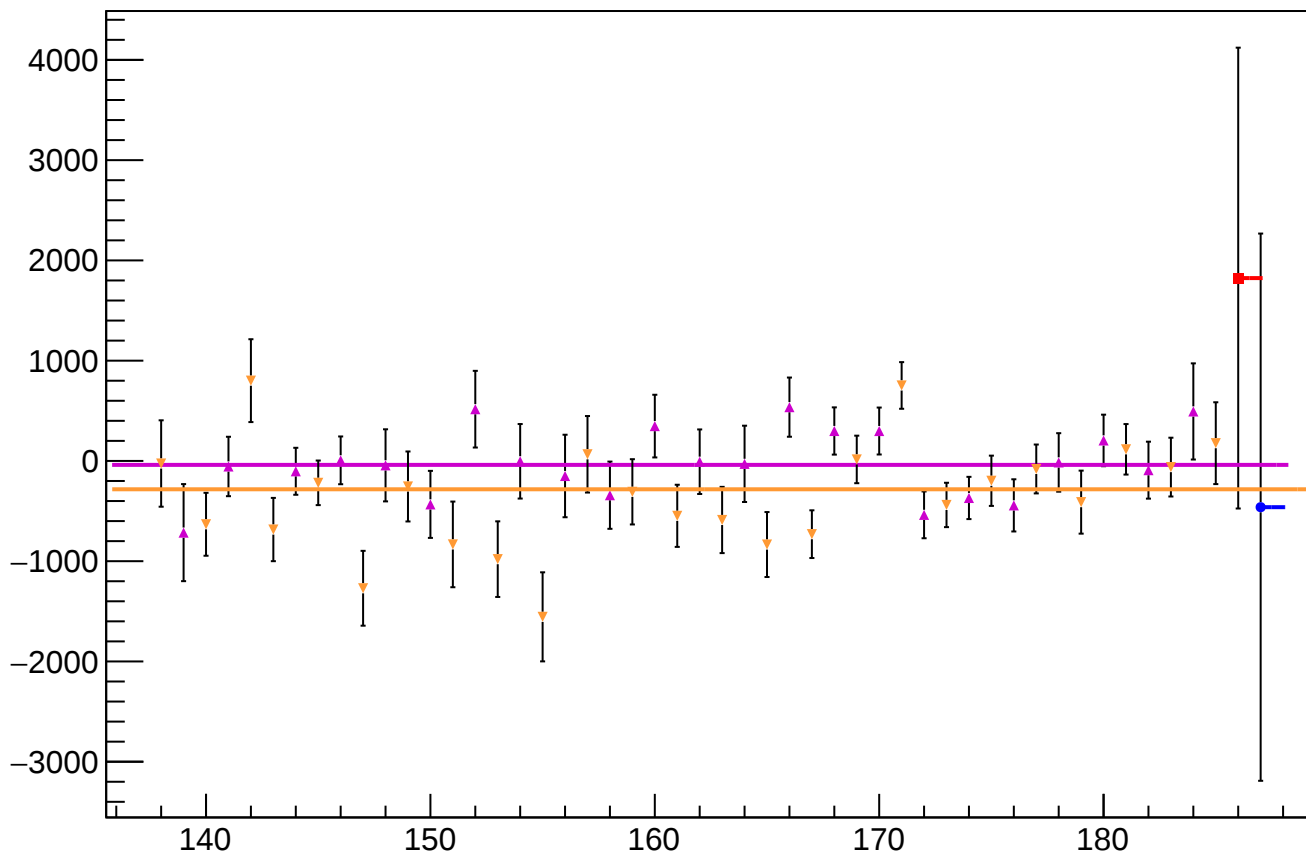
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 47.672 $\pm$ 0.008 χ^2 /NDF: 441601.3/25

All: 47.782 $\pm$ 0.006 χ^2 /NDF: 1395616.0/49

- sign 47.899 $\pm$ 0.008 χ^2 /NDF: 953614.5/23

asym_sam_1526_avg_correction_mean vs Slug



Right In: -461.310 $\pm$ 2729.116 χ^2 /NDF: 0.0/0

Left Out: -282.798 $\pm$ 59.690 χ^2 /NDF: 66.5/24

Right Out: 1823.674 $\pm$ 2298.233 χ^2 /NDF: 0.0/0

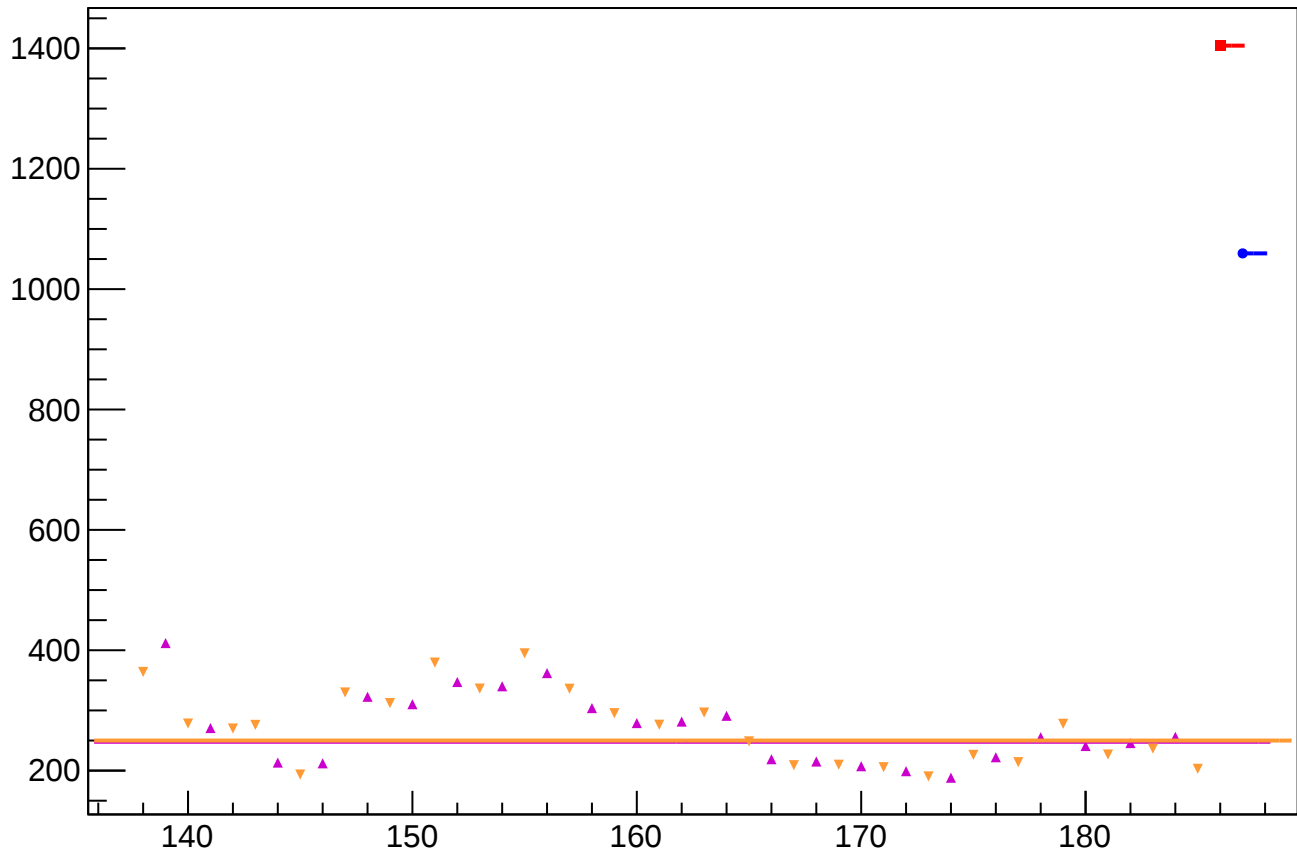
Left In: -39.432 $\pm$ 60.759 χ^2 /NDF: 27.5/22

+ sign -282.884 $\pm$ 59.676 χ^2 /NDF: 66.5/25

All: -162.666 $\pm$ 42.568 χ^2 /NDF: 103.0/49

- sign -38.130 $\pm$ 60.738 χ^2 /NDF: 28.2/23

asym_sam_1526_avg_correction_rms vs Slug



Right In: 1059.391 $\pm$ 1.930 χ^2 /NDF: 0.0/0

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF: 1614205.9/24

Right Out: 1404.564 $\pm$ 1.625 χ^2 /NDF: 0.0/0

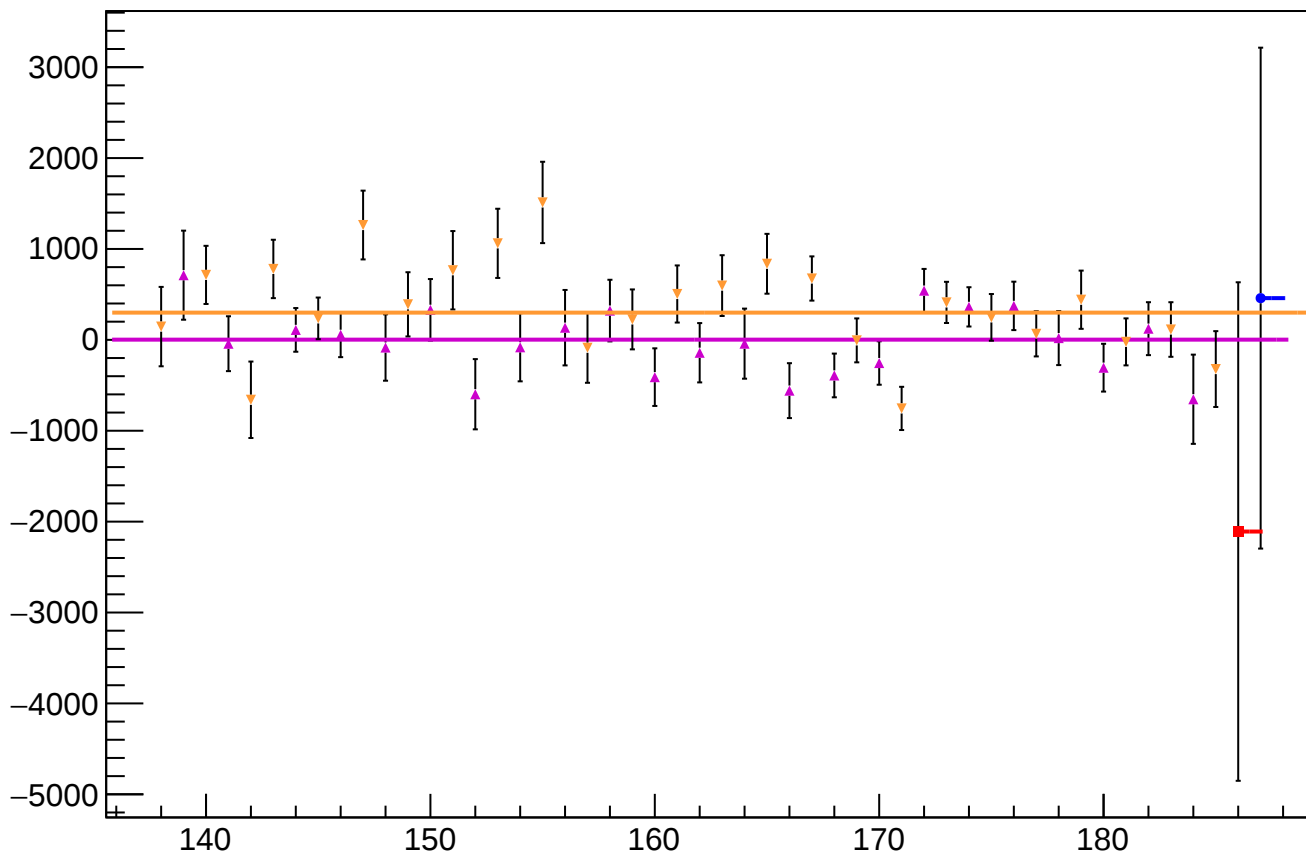
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF: 1410847.5/22

+ sign 250.343 $\pm$ 0.042 χ^2 /NDF: 1790055.8/25

All: 249.548 $\pm$ 0.030 χ^2 /NDF: 3707846.8/49

- sign 248.725 $\pm$ 0.043 χ^2 /NDF: 1917068.2/23

asym_sam_1526_avg_mean vs Slug



Right In: 459.027 $\pm$ 2755.597 χ^2 /NDF: 0.0/0

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF: 62.5/24

Right Out: -2109.016 $\pm$ 2742.402 χ^2 /NDF: 0.0/0

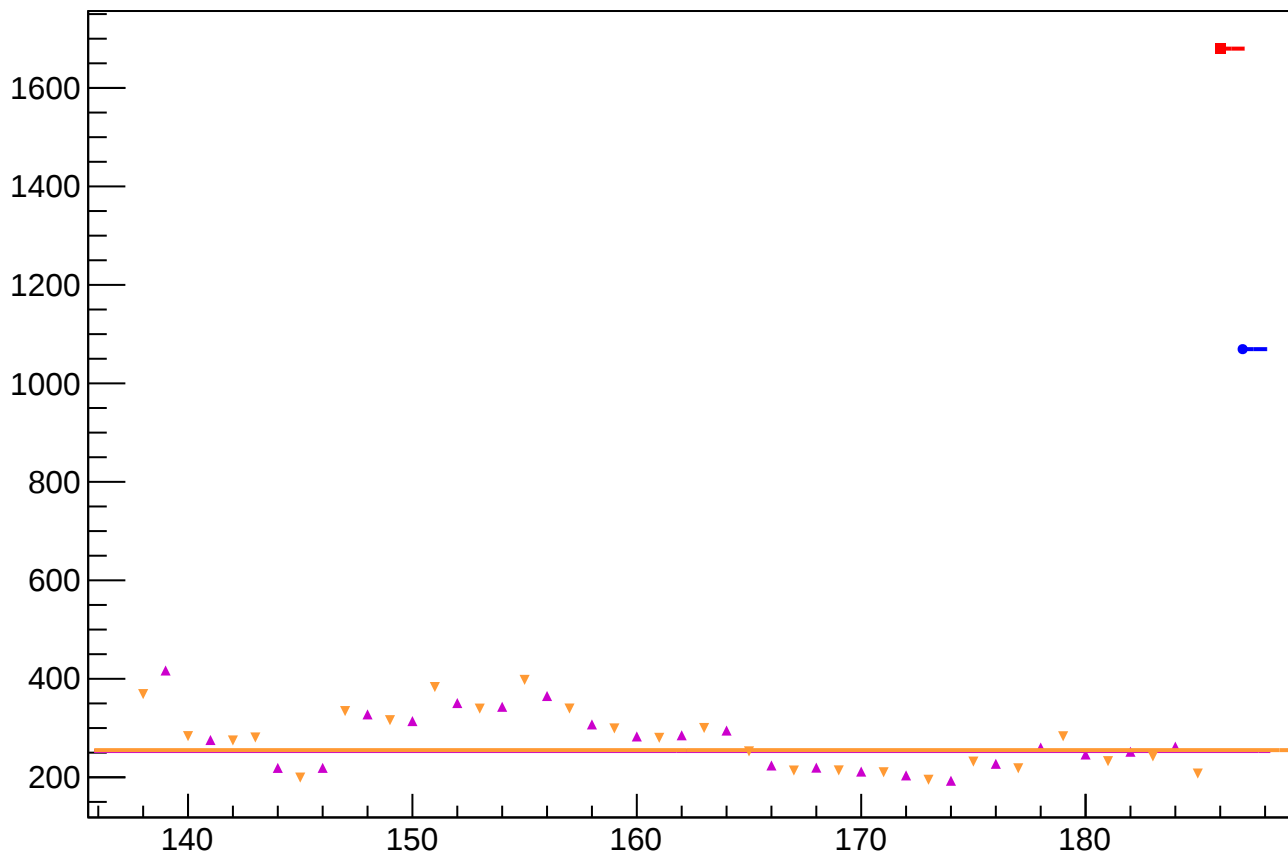
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF: 29.2/22

+ sign 299.640 $\pm$ 60.845 χ^2 /NDF: 62.5/25

All: 153.154 $\pm$ 43.423 χ^2 /NDF: 104.1/49

- sign 1.106 $\pm$ 61.989 χ^2 /NDF: 29.8/23

asym_sam_1526_avg_rms vs Slug



Right In: 1069.513+/-1.949 χ^2/NDF : 0.0/0

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 1679.837+/-1.939 χ^2/NDF : 0.0/0

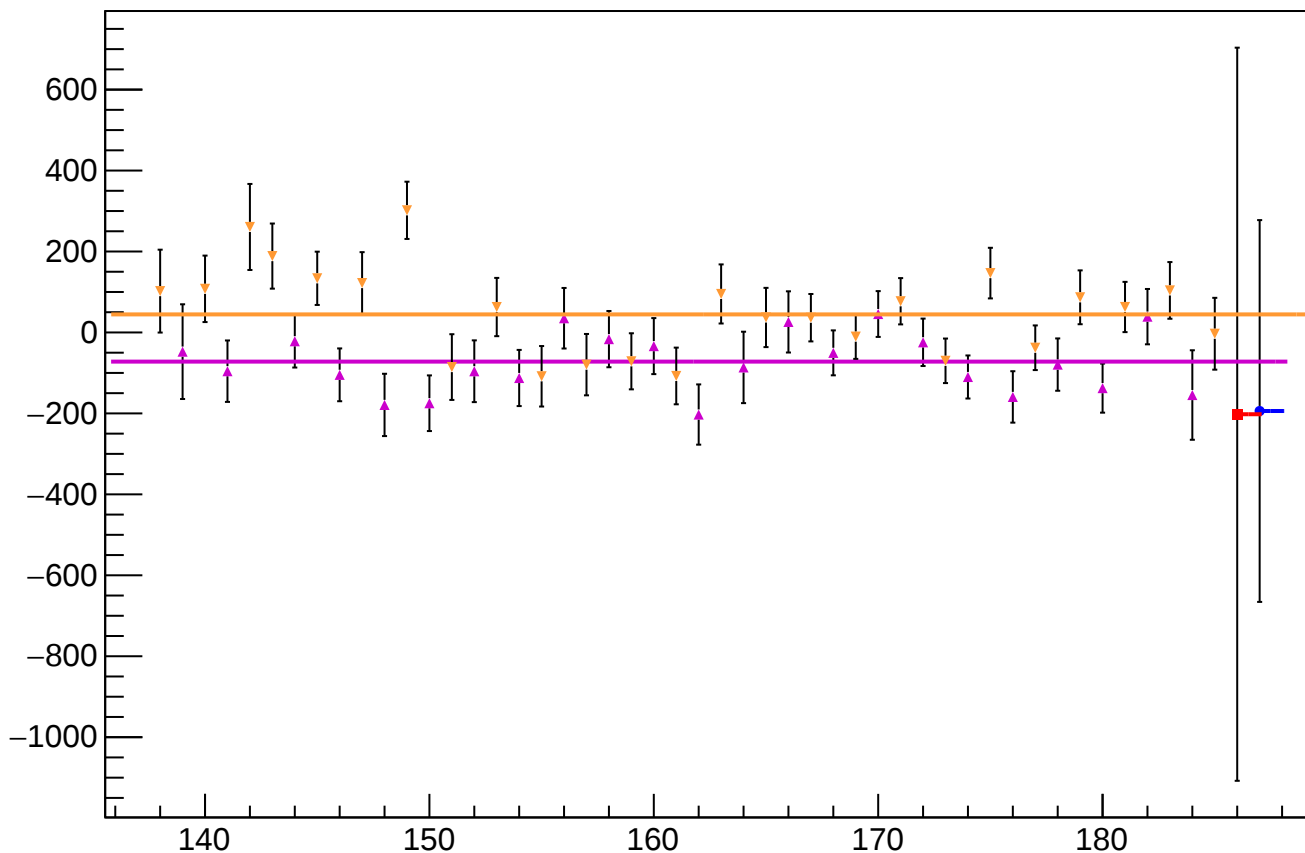
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 255.532+/-0.043 χ^2/NDF : 1716637.2/25

All: 254.788+/-0.031 χ^2/NDF : 3599812.1/49

- sign 254.016+/-0.044 χ^2/NDF : 1882565.6/23

reg_asym_sam_3726_avg_mean vs Slug



Right In: -194.089+/-471.665 χ^2 /NDF: 0.0/0

Left Out: 44.602+/-13.824 χ^2 /NDF: 53.9/24

Right Out: -202.060+/-905.673 χ^2 /NDF: 0.0/0

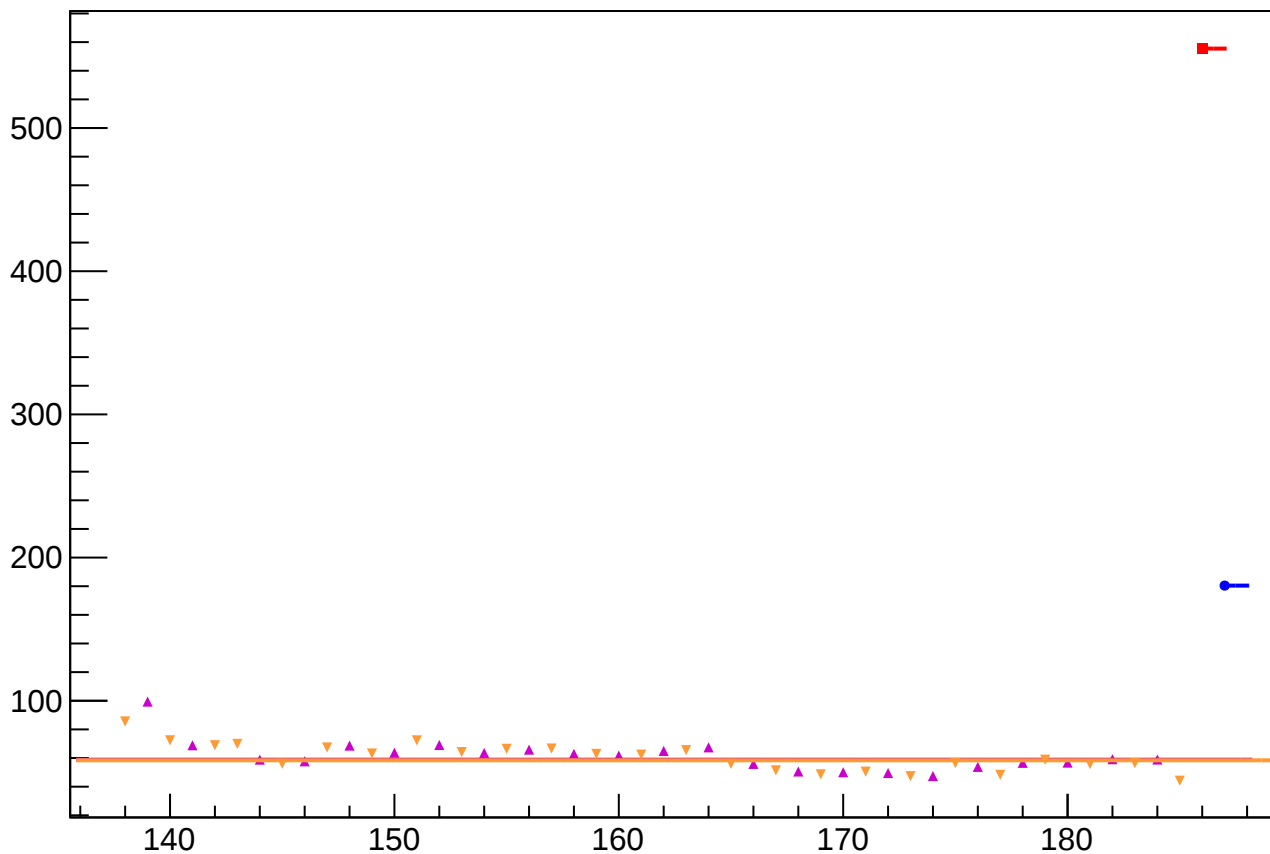
Left In: -72.037+/-14.296 χ^2 /NDF: 25.3/22

+ sign 44.397+/-13.818 χ^2 /NDF: 54.2/25

All: -11.864+/-9.935 χ^2 /NDF: 113.8/49

- sign -72.069+/-14.295 χ^2 /NDF: 25.3/23

reg_asym_sam_3726_avg_rms vs Slug



Right In: 180.436 $\pm$ 0.334 χ^2 /NDF: 0.0/0

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF:790091.3/24

Right Out: 555.480 $\pm$ 0.640 χ^2 /NDF: 0.0/0

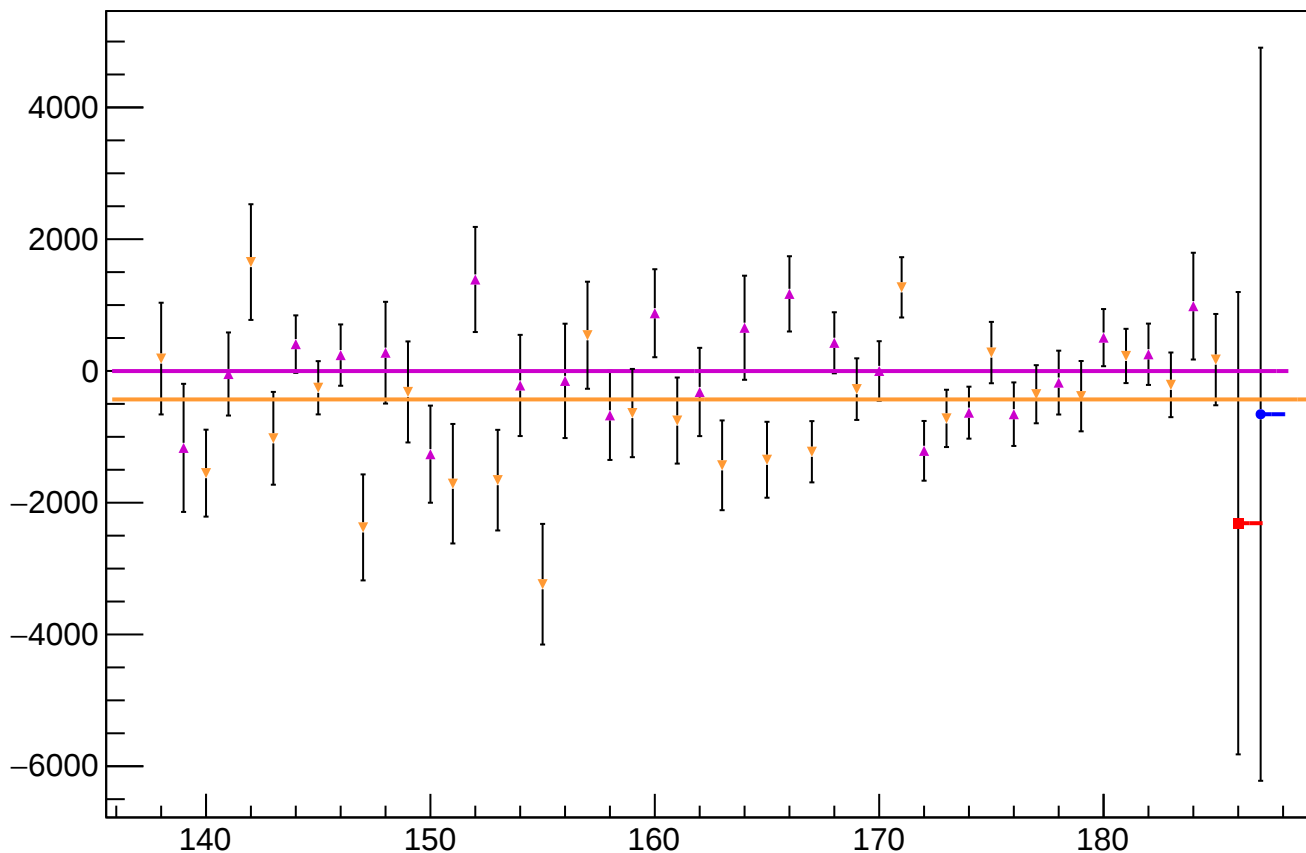
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF:679925.7/22

+ sign 58.528 $\pm$ 0.010 χ^2 /NDF: 923812.4/25

All: 58.738 $\pm$ 0.007 χ^2 /NDF: 2205959.6/49

- sign 58.963 $\pm$ 0.010 χ^2 /NDF: 1281185.8/23

asym_sam_3726_avg_correction_mean vs Slug



Right In: -657.066+/-5564.087 χ^2/NDF : 0.0/0

Left Out: -432.330+/-114.408 χ^2/NDF : 59.4/24

Right Out: -2310.998+/-3509.061 χ^2/NDF : 0.0/0

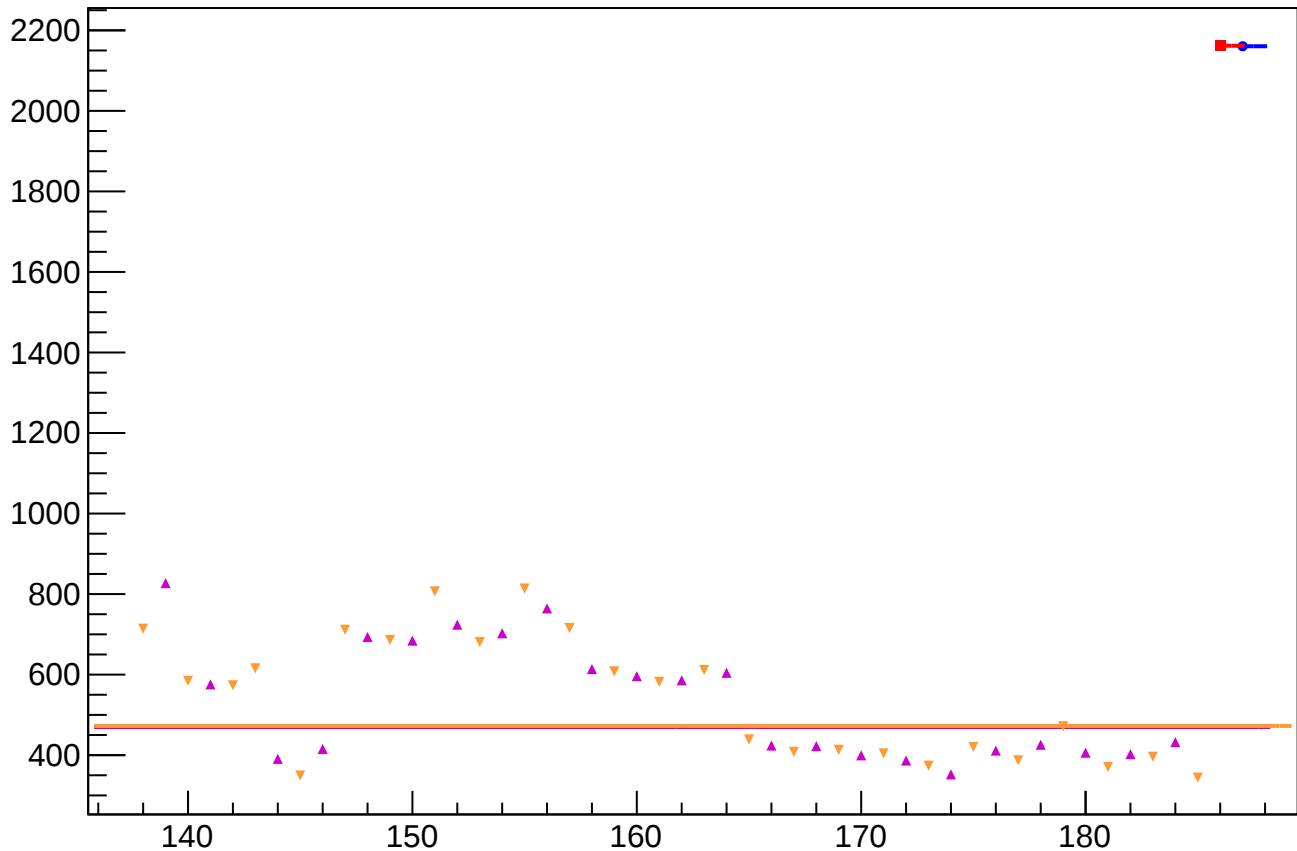
Left In: -1.825+/-116.459 χ^2/NDF : 32.3/22

+ sign -432.425+/-114.384 χ^2/NDF : 59.4/25

All: -222.125+/-81.583 χ^2/NDF : 99.0/49

- sign -4.366+/-116.395 χ^2/NDF : 32.7/23

asym_sam_3726_avg_correction_rms vs Slug



Right In: 2160.492 $\pm$ 3.934 χ^2 /NDF: 0.0/0

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF:2508168.9/24

Right Out: 2161.707 $\pm$ 2.481 χ^2 /NDF: 0.0/0

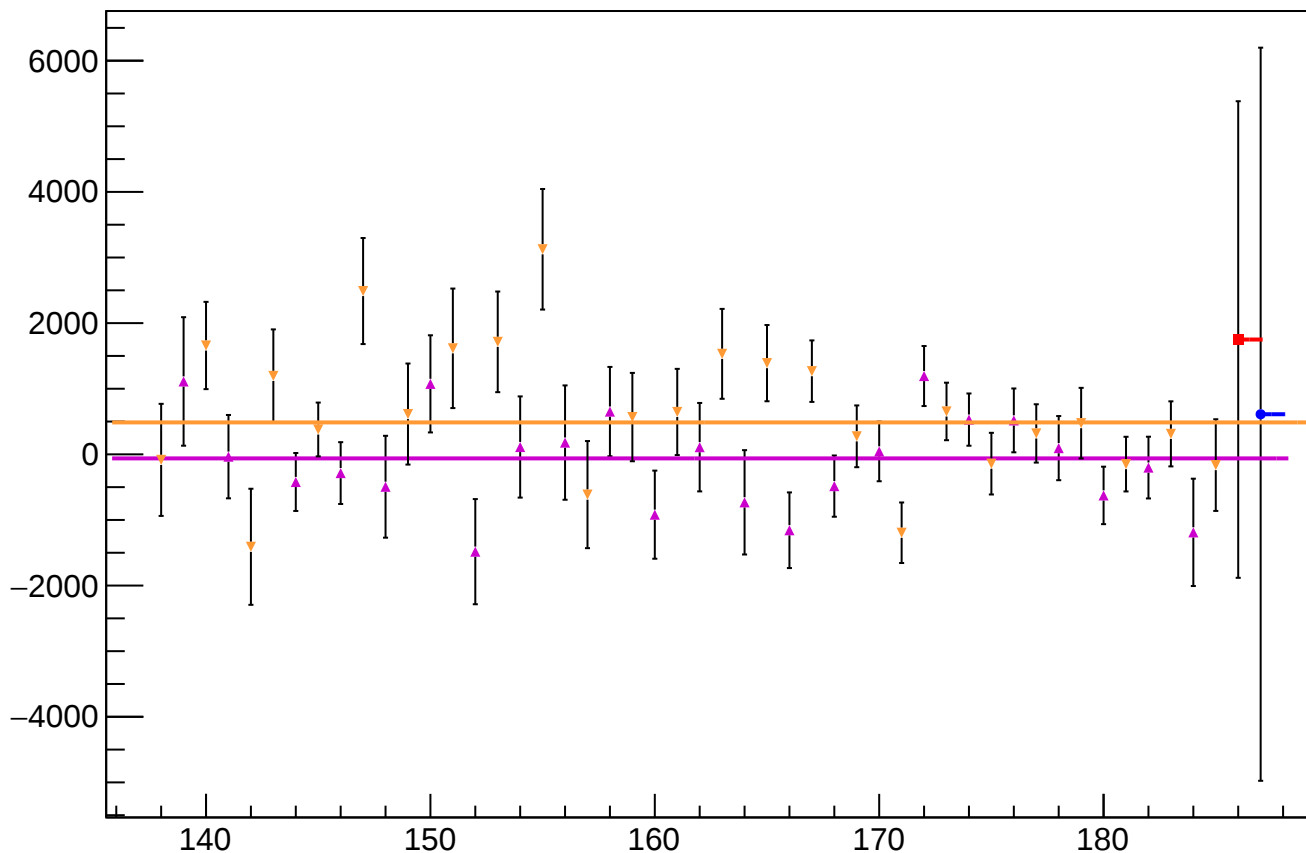
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF:2116885.7/22

+ sign 473.282 $\pm$ 0.081 χ^2 /NDF: 2692146.2/25

All: 472.467 $\pm$ 0.058 χ^2 /NDF: 5273692.8/49

- sign 471.623 $\pm$ 0.082 χ^2 /NDF: 2581339.8/23

asym_sam_3726_avg_mean vs Slug



Right In: 611.320 ± 5587.050 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 486.645 ± 115.346 $\chi^2/\text{NDF}: 56.0/24$

Right Out: 1750.016 ± 3632.106 $\chi^2/\text{NDF}: 0.0/0$

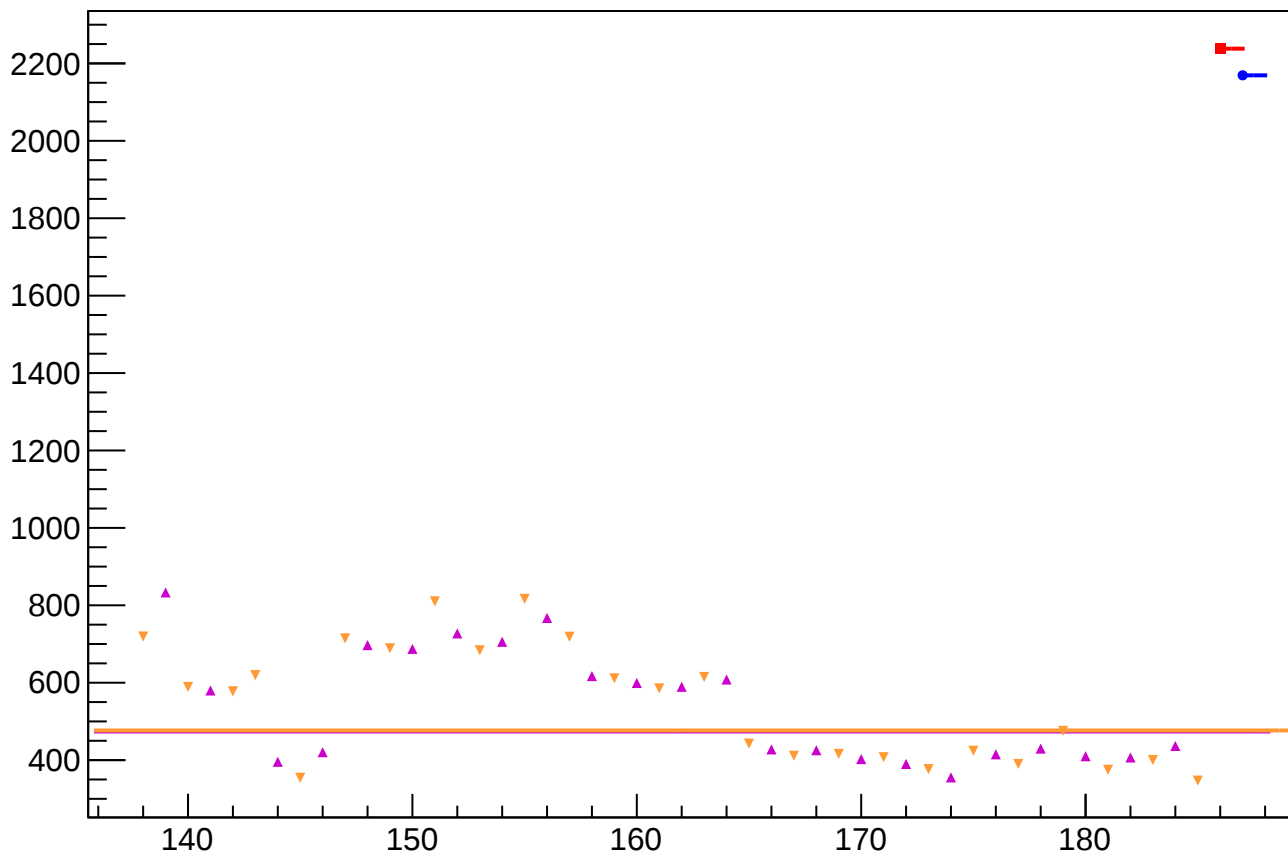
Left In: -61.775 ± 117.449 $\chi^2/\text{NDF}: 31.2/22$

+ sign 486.699 ± 115.322 $\chi^2/\text{NDF}: 56.0/25$

All: 218.260 ± 82.265 $\chi^2/\text{NDF}: 98.5/49$

- sign -59.882 ± 117.387 $\chi^2/\text{NDF}: 31.4/23$

asym_sam_3726_avg_rms vs Slug



Right In: 2169.209+/-3.951 χ^2/NDF : 0.0/0

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 2238.098+/-2.568 χ^2/NDF : 0.0/0

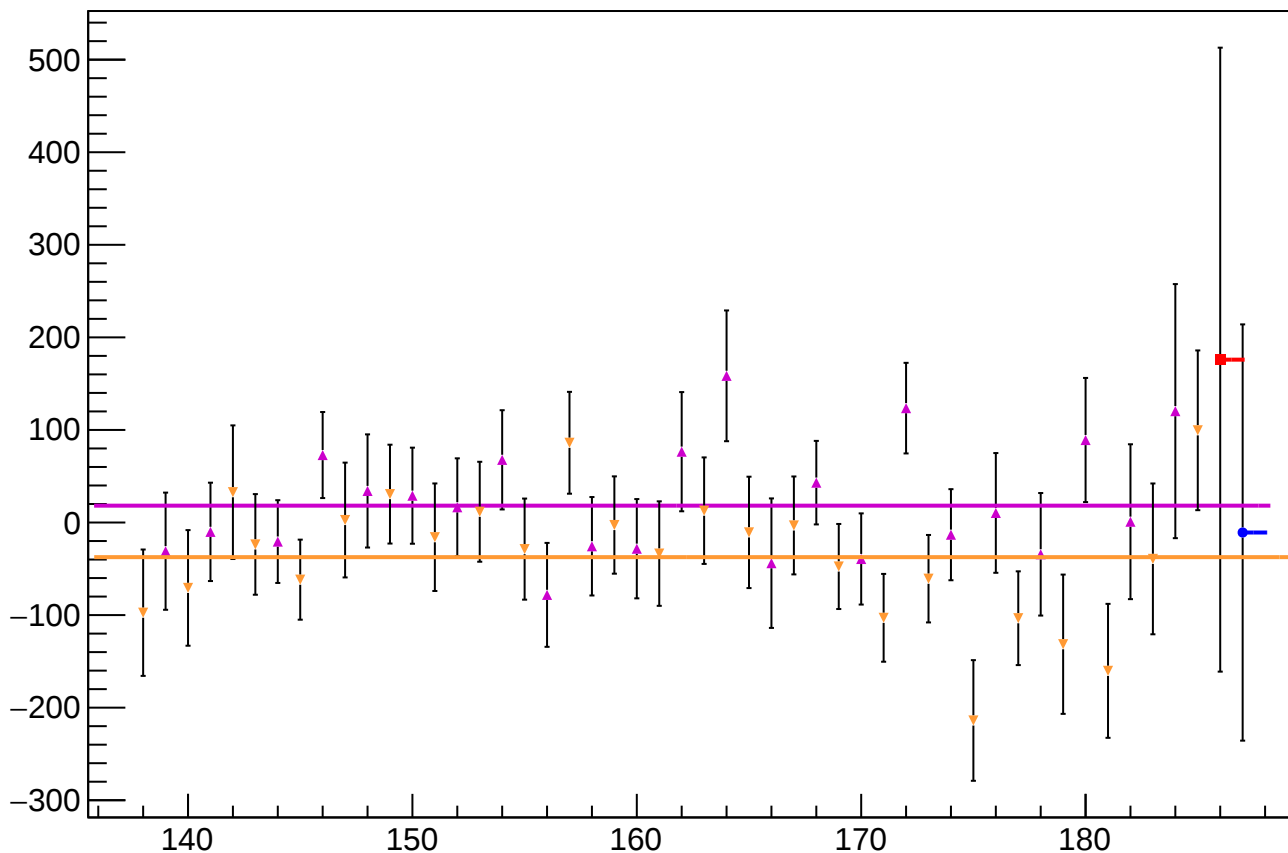
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 477.411+/-0.082 χ^2/NDF : 2656200.1/25

All: 476.633+/-0.058 χ^2/NDF : 5214816.0/49

- sign 475.826+/-0.083 χ^2/NDF : 2558430.4/23

reg_asym_sam_15_48_dd_mean vs Slug



Right In: -10.803 ± 224.840 χ^2/NDF : 0.0/0

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: 175.929 ± 337.026 χ^2/NDF : 0.0/0

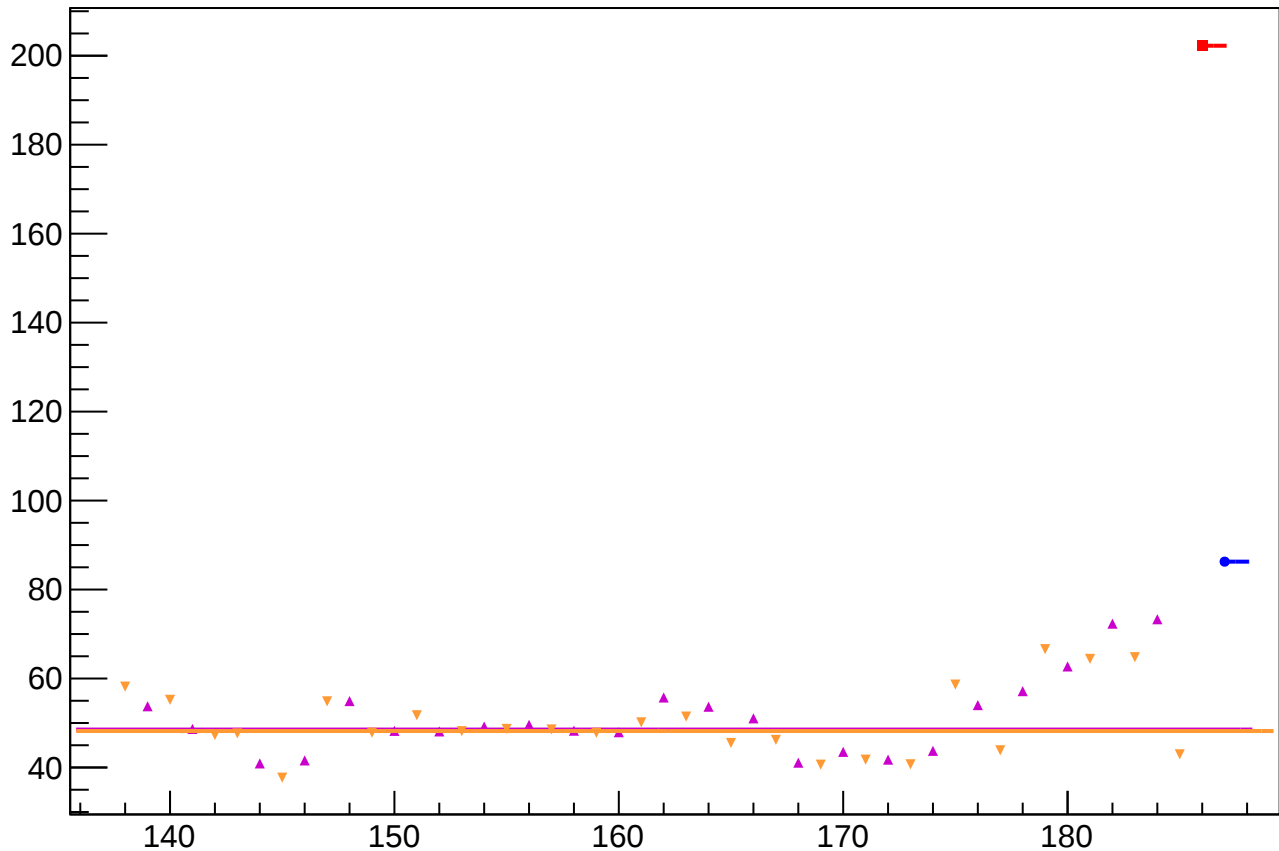
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -37.345 ± 11.375 χ^2/NDF : 30.5/25

All: -10.447 ± 8.183 χ^2/NDF : 65.3/49

- sign 18.403 ± 11.781 χ^2/NDF : 23.2/23

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 86.270 $\pm$ 0.159 χ^2 /NDF: 0.0/0

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 202.245 $\pm$ 0.238 χ^2 /NDF: 0.0/0

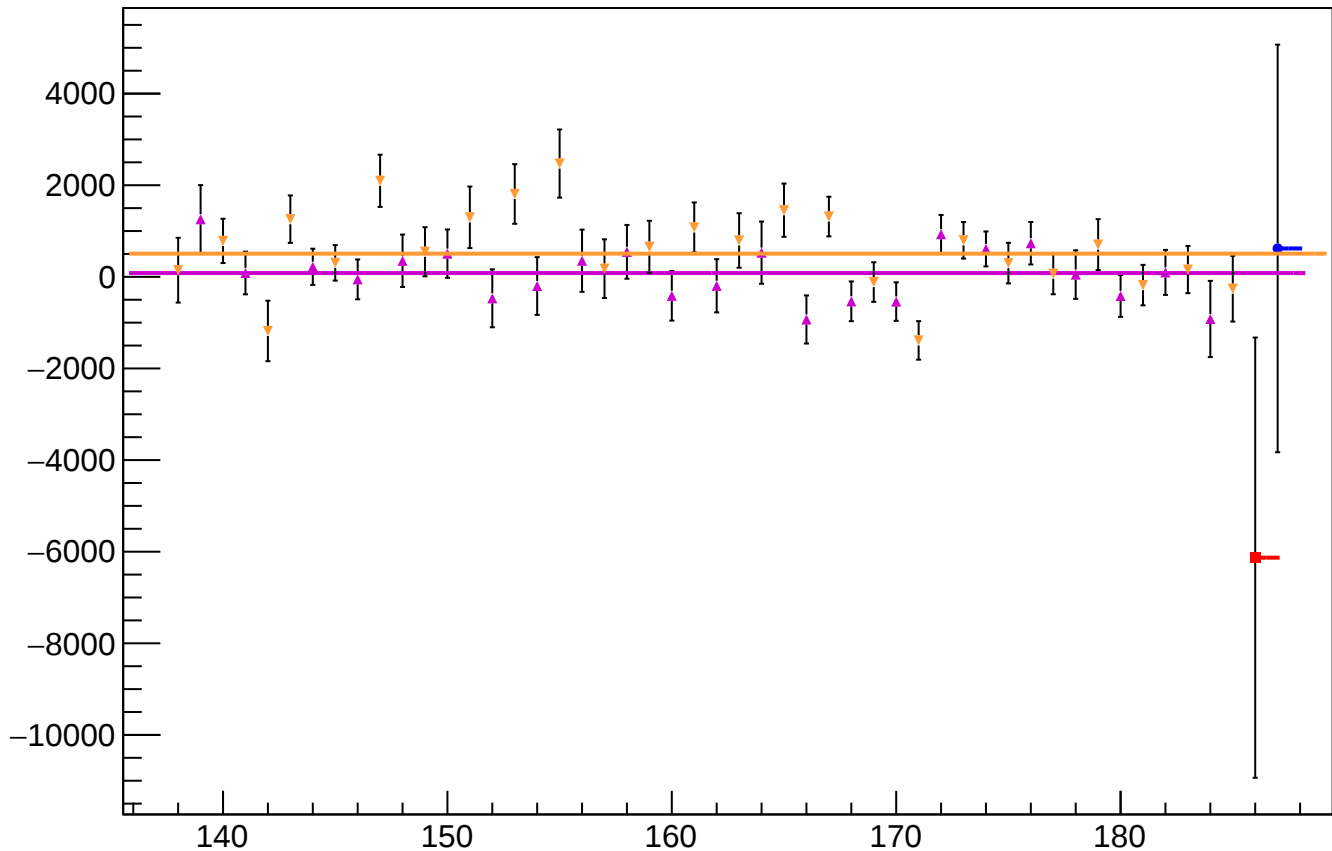
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 48.297 $\pm$ 0.008 χ^2 /NDF: 807390.7/25

All: 48.498 $\pm$ 0.006 χ^2 /NDF: 1899579.4/49

- sign 48.715 $\pm$ 0.008 χ^2 /NDF: 1090889.0/23

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 619.729 ± 4448.700 χ^2/NDF : 0.0/0

Left Out: 506.205 ± 103.468 χ^2/NDF : 65.7/24

Right Out: -6130.555 ± 4805.433 χ^2/NDF : 0.0/0

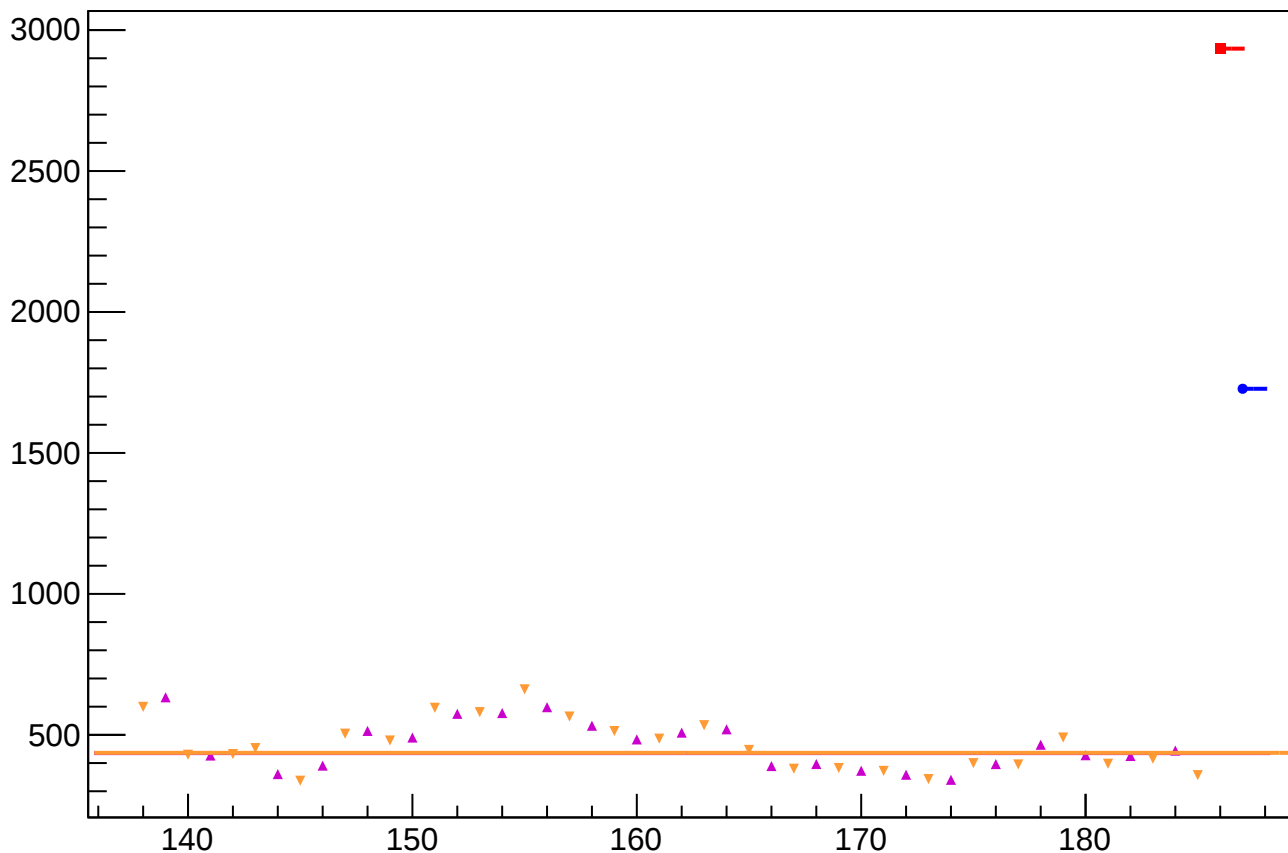
Left In: 82.421 ± 105.935 χ^2/NDF : 25.3/22

+ sign 506.266 ± 103.440 χ^2/NDF : 65.7/25

All: 297.870 ± 74.001 χ^2/NDF : 101.0/49

- sign 79.403 ± 105.909 χ^2/NDF : 27.0/23

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1727.647 $\pm$ 3.146 χ^2 /NDF: 0.0/0

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF: 1179348.4/24

Right Out: 2934.195 $\pm$ 3.398 χ^2 /NDF: 0.0/0

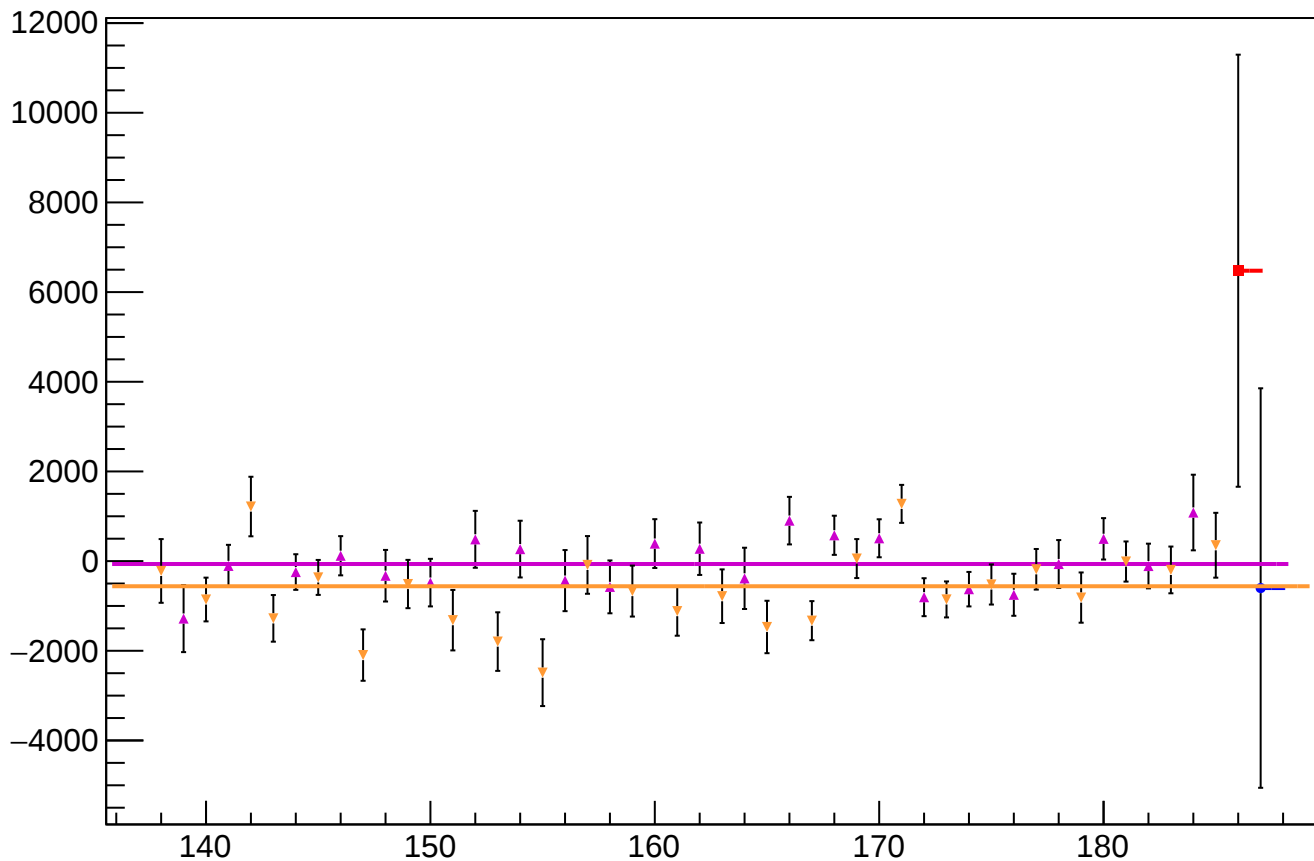
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF: 1027713.1/22

+ sign 437.000 $\pm$ 0.073 χ^2 /NDF: 1347776.2/25

All: 436.750 $\pm$ 0.052 χ^2 /NDF: 2916091.5/49

- sign 436.489 $\pm$ 0.075 χ^2 /NDF: 1568291.5/23

asym_sam_15_48_dd_mean vs Slug



Right In: -600.770+/-4455.156 χ^2/NDF : 0.0/0

Left Out: -560.684+/-104.207 χ^2/NDF : 61.8/24

Right Out: 6476.893+/-4818.554 χ^2/NDF : 0.0/0

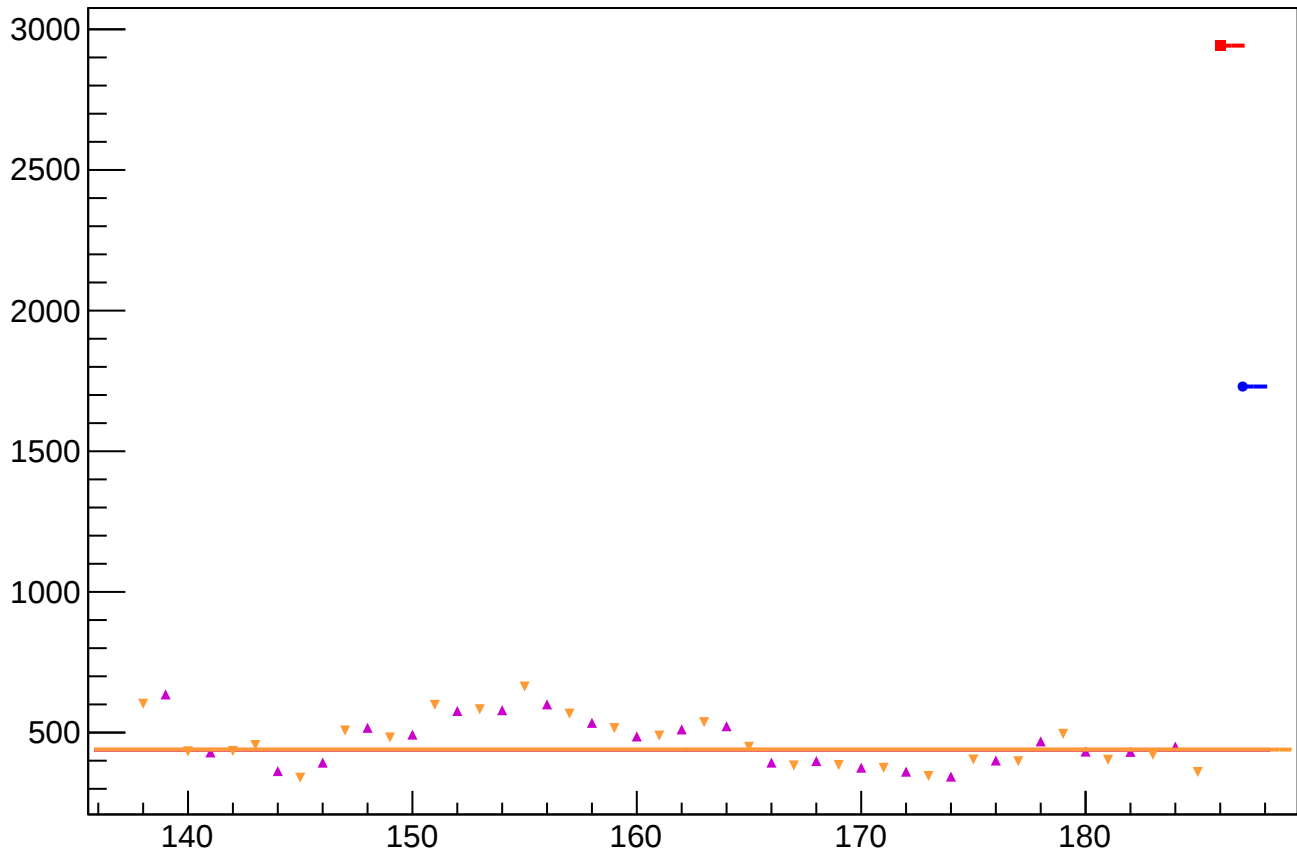
Left In: -64.594+/-106.708 χ^2/NDF : 25.2/22

+ sign -560.706+/-104.179 χ^2/NDF : 61.8/25

All: -316.973+/-74.535 χ^2/NDF : 100.0/49

- sign -61.388+/-106.681 χ^2/NDF : 27.0/23

asym_sam_15_48_dd_rms vs Slug



Right In: 1730.123+/-3.150 χ^2/NDF : 0.0/0

Left Out: 439.527+/-0.074 χ^2/NDF : 1163352.8/24

Right Out: 2942.010+/-3.407 χ^2/NDF : 0.0/0

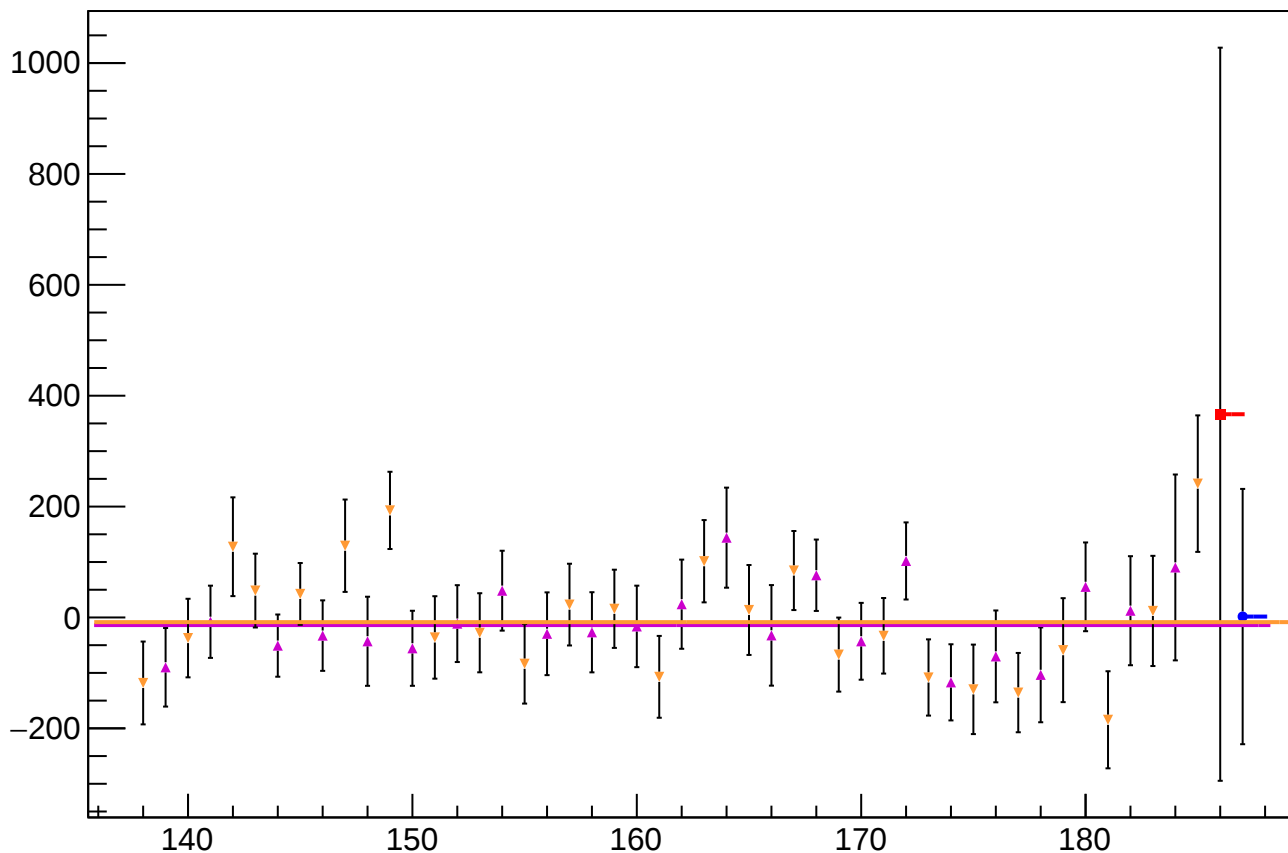
Left In: 438.548+/-0.075 χ^2/NDF : 1013071.4/22

+ sign 440.233+/-0.074 χ^2/NDF : 1331096.9/25

All: 440.009+/-0.053 χ^2/NDF : 2883779.3/49

- sign 439.775+/-0.075 χ^2/NDF : 1552663.5/23

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 1.619 $\pm$ 230.253 χ^2 /NDF: 0.0/0

Left Out: -8.416 $\pm$ 14.935 χ^2 /NDF:41.6/24

Right Out: 366.581 $\pm$ 661.204 χ^2 /NDF: 0.0/0

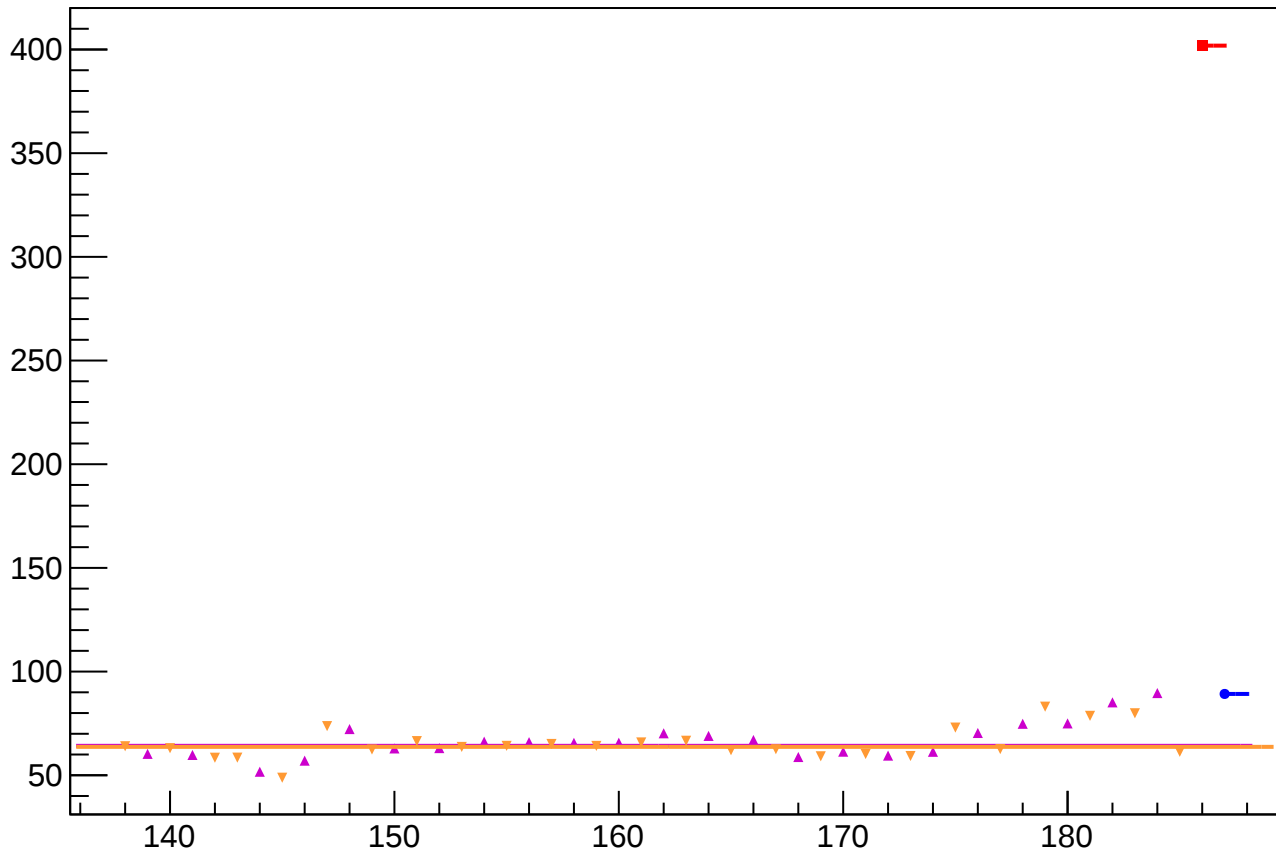
Left In: -13.723 $\pm$ 15.478 χ^2 /NDF:16.3/22

+ sign -8.374 $\pm$ 14.903 χ^2 /NDF: 41.6/25

All: -10.848 $\pm$ 10.734 χ^2 /NDF: 58.2/49

- sign -13.515 $\pm$ 15.474 χ^2 /NDF: 16.6/23

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 89.214 $\pm$ 0.163 χ^2 /NDF: 0.0/0

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 401.865 $\pm$ 0.468 χ^2 /NDF: 0.0/0

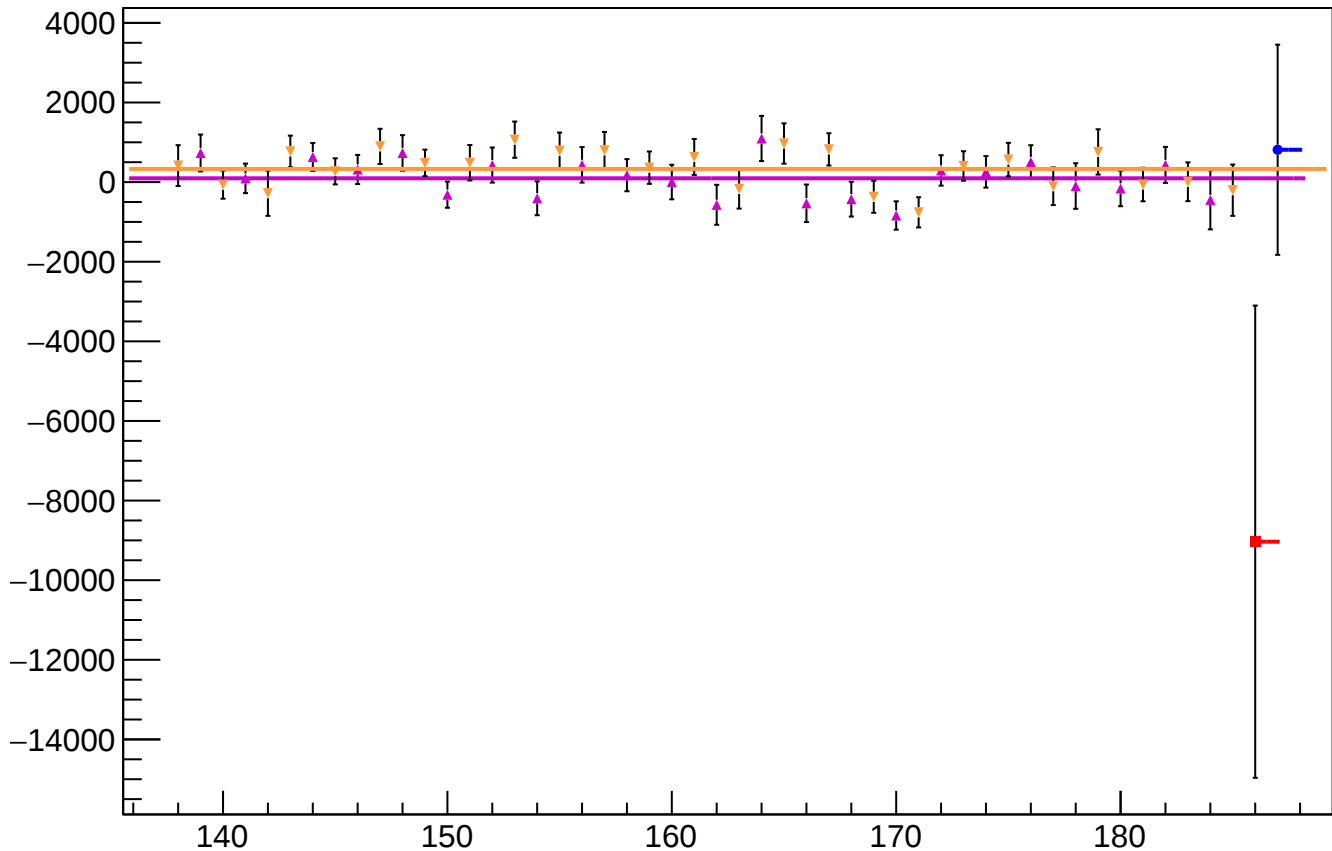
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.803 $\pm$ 0.011 χ^2 /NDF: 472900.2/25

All: 64.078 $\pm$ 0.008 χ^2 /NDF: 1425322.6/49

- sign 64.374 $\pm$ 0.011 χ^2 /NDF: 951008.7/23

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 812.787 ± 2639.916 χ^2/NDF : 0.0/0

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: -9032.937 ± 5931.328 χ^2/NDF : 0.0/0

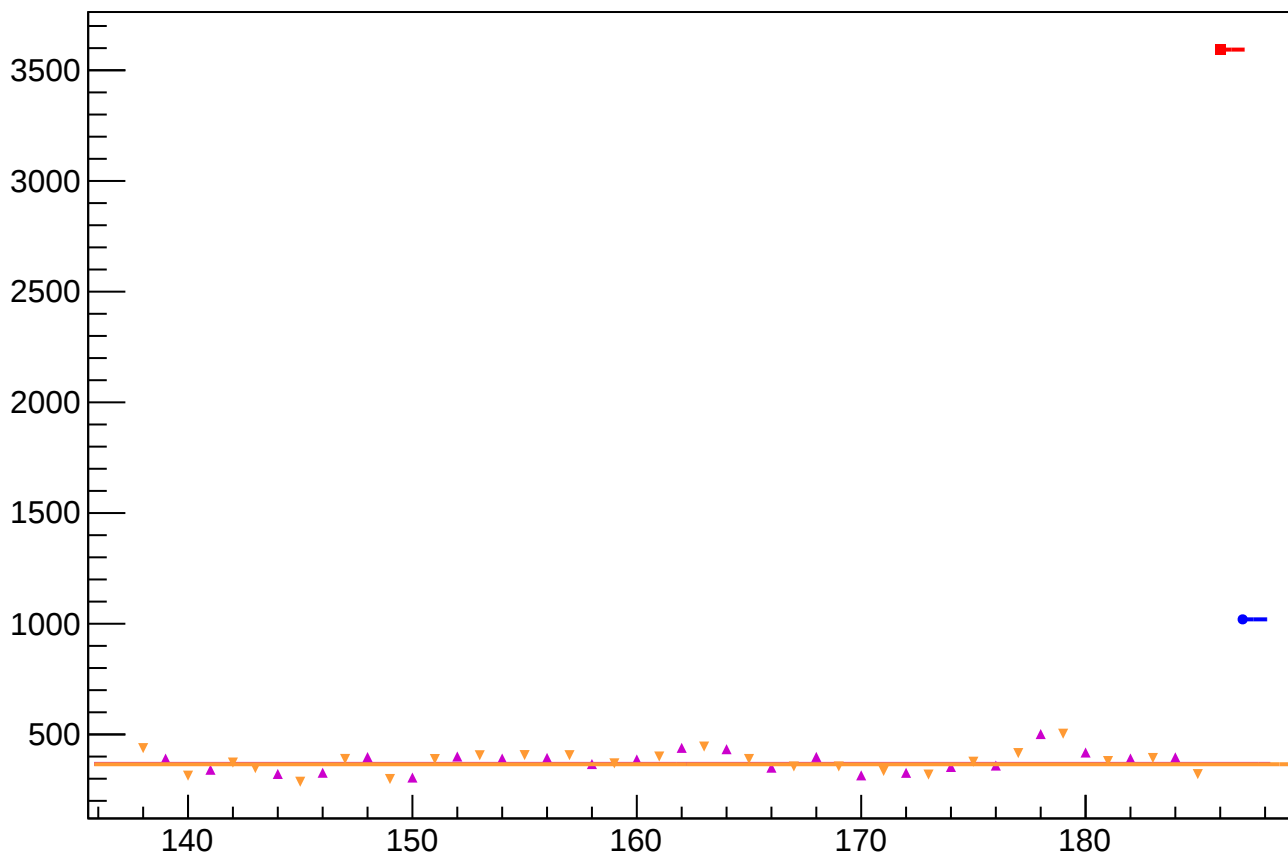
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 332.250 ± 86.025 χ^2/NDF : 29.9/25

All: 216.636 ± 61.735 χ^2/NDF : 64.7/49

- sign 93.871 ± 88.646 χ^2/NDF : 31.1/23

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 1019.794 $\pm$ 1.867 χ^2 /NDF: 0.0/0

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 3593.341 $\pm$ 4.194 χ^2 /NDF: 0.0/0

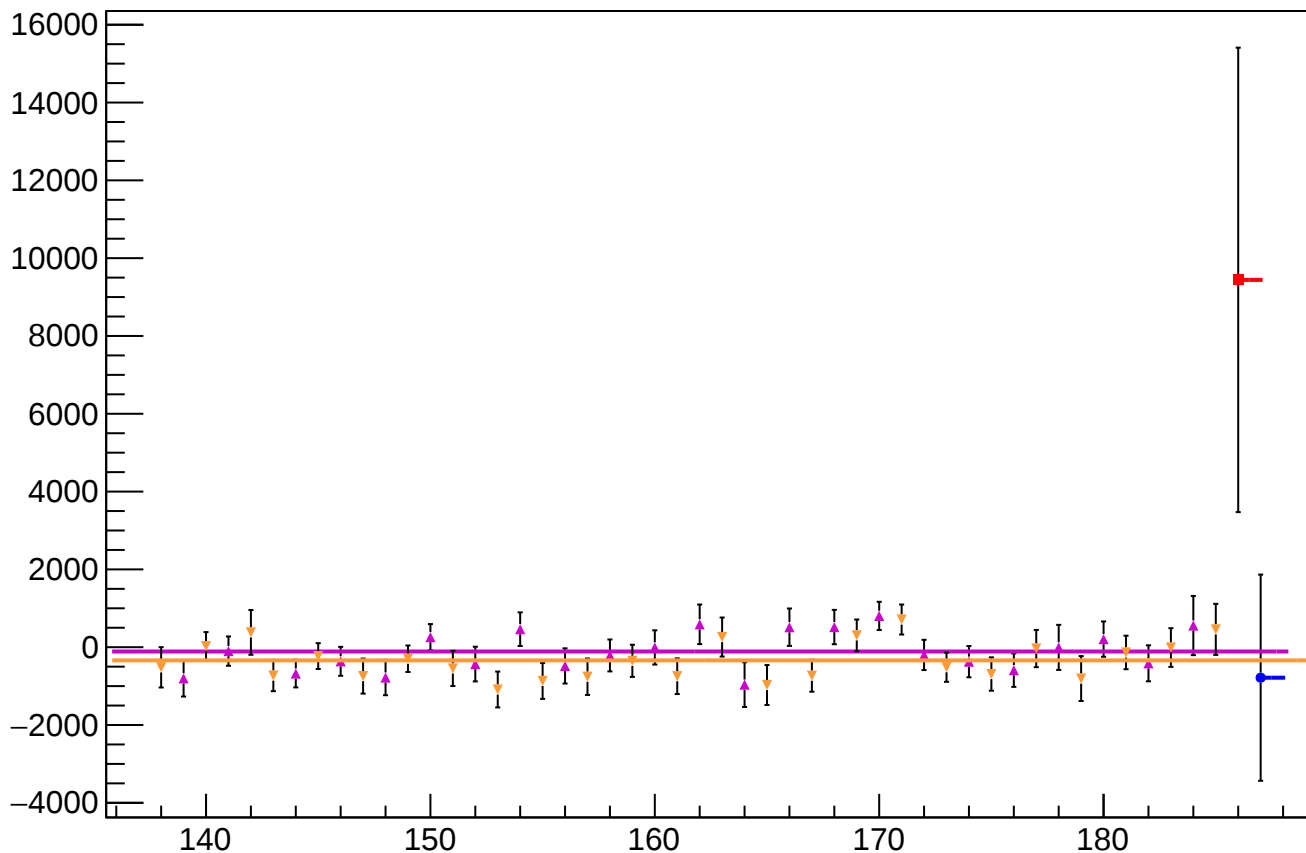
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 366.050 $\pm$ 0.061 χ^2 /NDF: 741233.2/25

All: 366.824 $\pm$ 0.044 χ^2 /NDF: 1811306.0/49

- sign 367.645 $\pm$ 0.063 χ^2 /NDF: 1069739.2/23

asym_sam_37_48_dd_mean vs Slug



Right In: -783.813 $\pm$ 2650.230 χ^2 /NDF: 0.0/0

Left Out: -338.528 $\pm$ 87.450 χ^2 /NDF:28.2/24

Right Out: 9441.407 $\pm$ 5969.101 χ^2 /NDF: 0.0/0

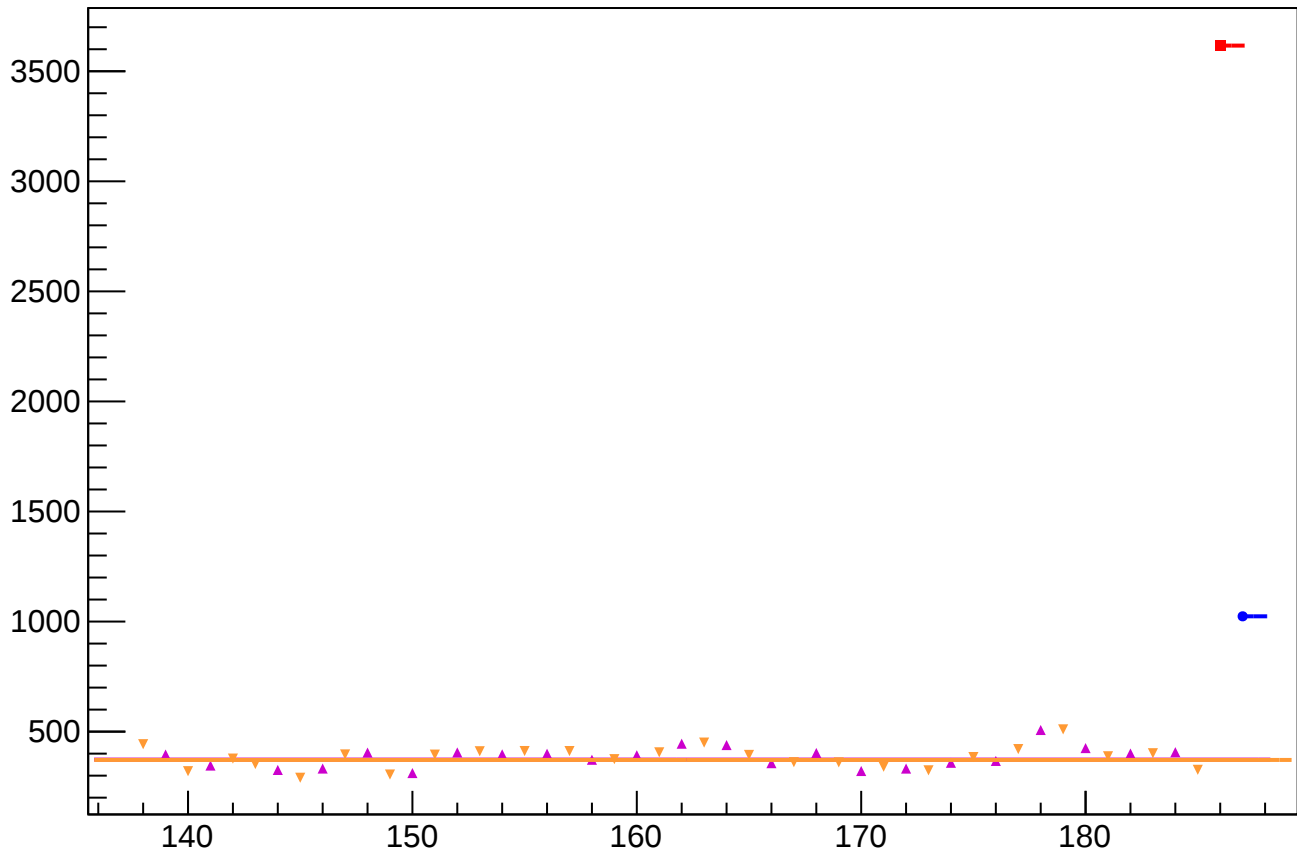
Left In: -110.341 $\pm$ 90.084 χ^2 /NDF:29.2/22

+ sign -339.012 $\pm$ 87.403 χ^2 /NDF: 28.2/25

All: -227.062 $\pm$ 62.726 χ^2 /NDF: 63.4/49

- sign -108.166 $\pm$ 90.073 χ^2 /NDF: 31.8/23

asym_sam_37_48_dd_rms vs Slug



Right In: 1023.828 $\pm$ 1.874 χ^2 /NDF: 0.0/0

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 3616.538 $\pm$ 4.221 χ^2 /NDF: 0.0/0

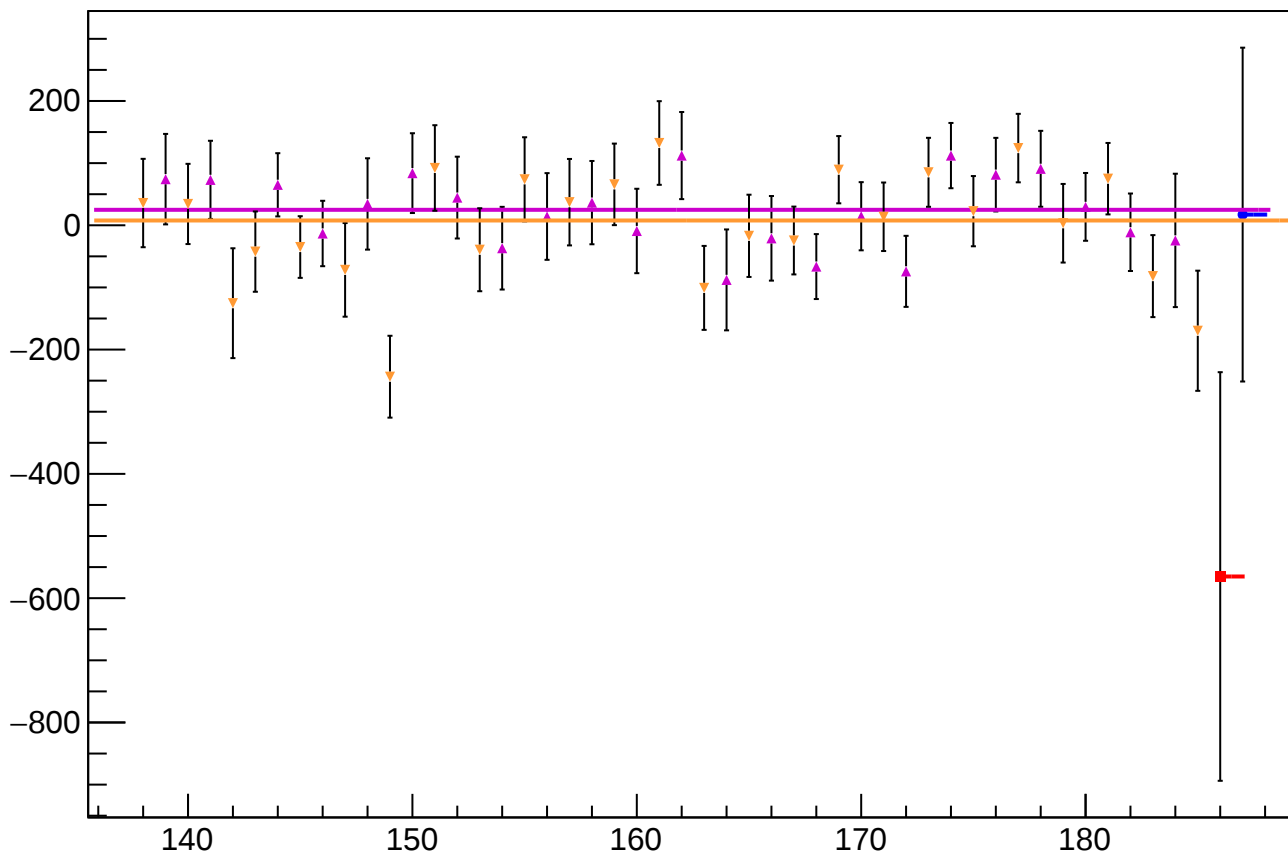
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 372.066 $\pm$ 0.062 χ^2 /NDF: 725162.4/25

All: 372.847 $\pm$ 0.044 χ^2 /NDF: 1783262.2/49

- sign 373.676 $\pm$ 0.064 χ^2 /NDF: 1057770.3/23

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 17.199 ± 268.581 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 7.723 ± 12.656 $\chi^2/\text{NDF}: 45.4/24$

Right Out: -565.110 ± 328.739 $\chi^2/\text{NDF}: 0.0/0$

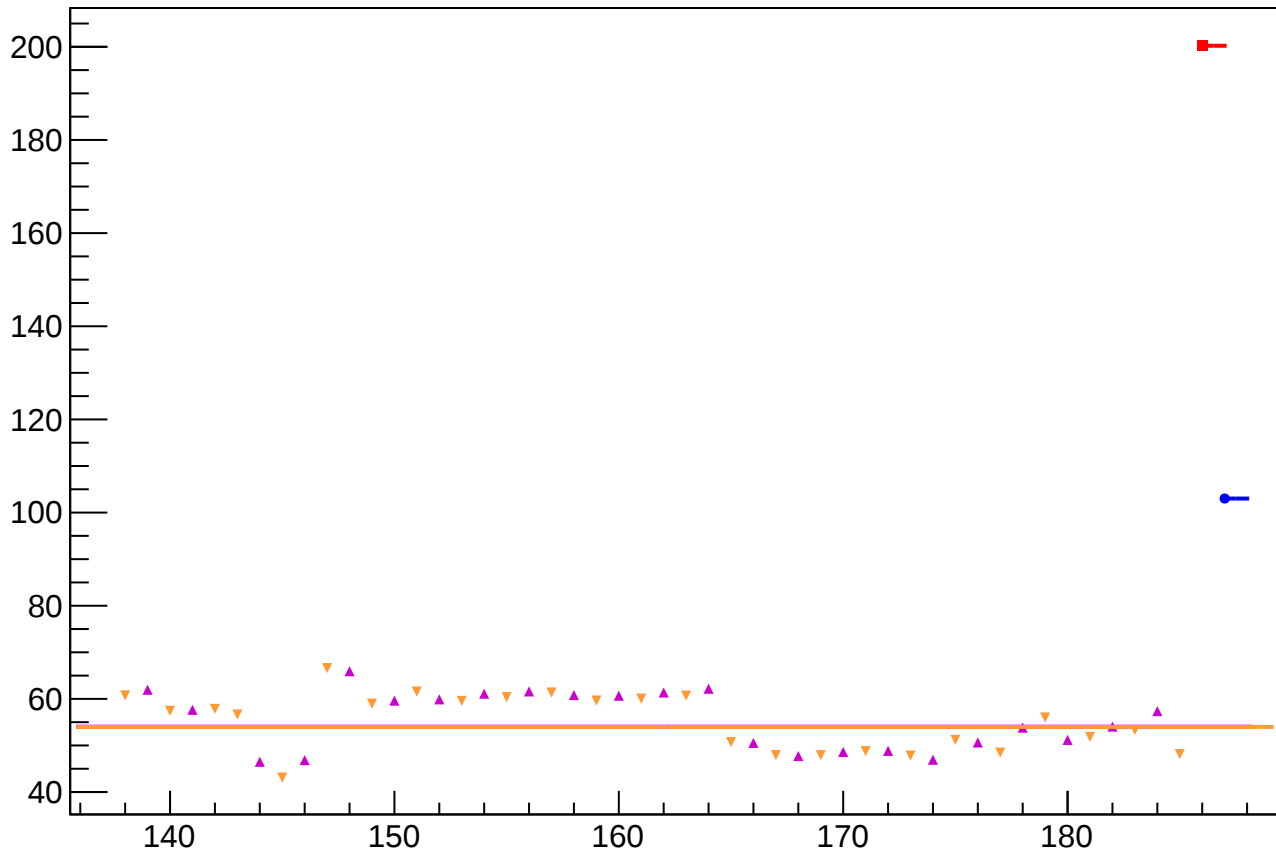
Left In: 24.887 ± 13.029 $\chi^2/\text{NDF}: 19.7/22$

+ sign 7.744 ± 12.642 $\chi^2/\text{NDF}: 45.4/25$

All: 15.615 ± 9.069 $\chi^2/\text{NDF}: 69.2/49$

- sign 23.962 ± 13.019 $\chi^2/\text{NDF}: 23.0/23$

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 103.015 $\pm$ 0.190 χ^2 /NDF: 0.0/0

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 200.225 $\pm$ 0.232 χ^2 /NDF: 0.0/0

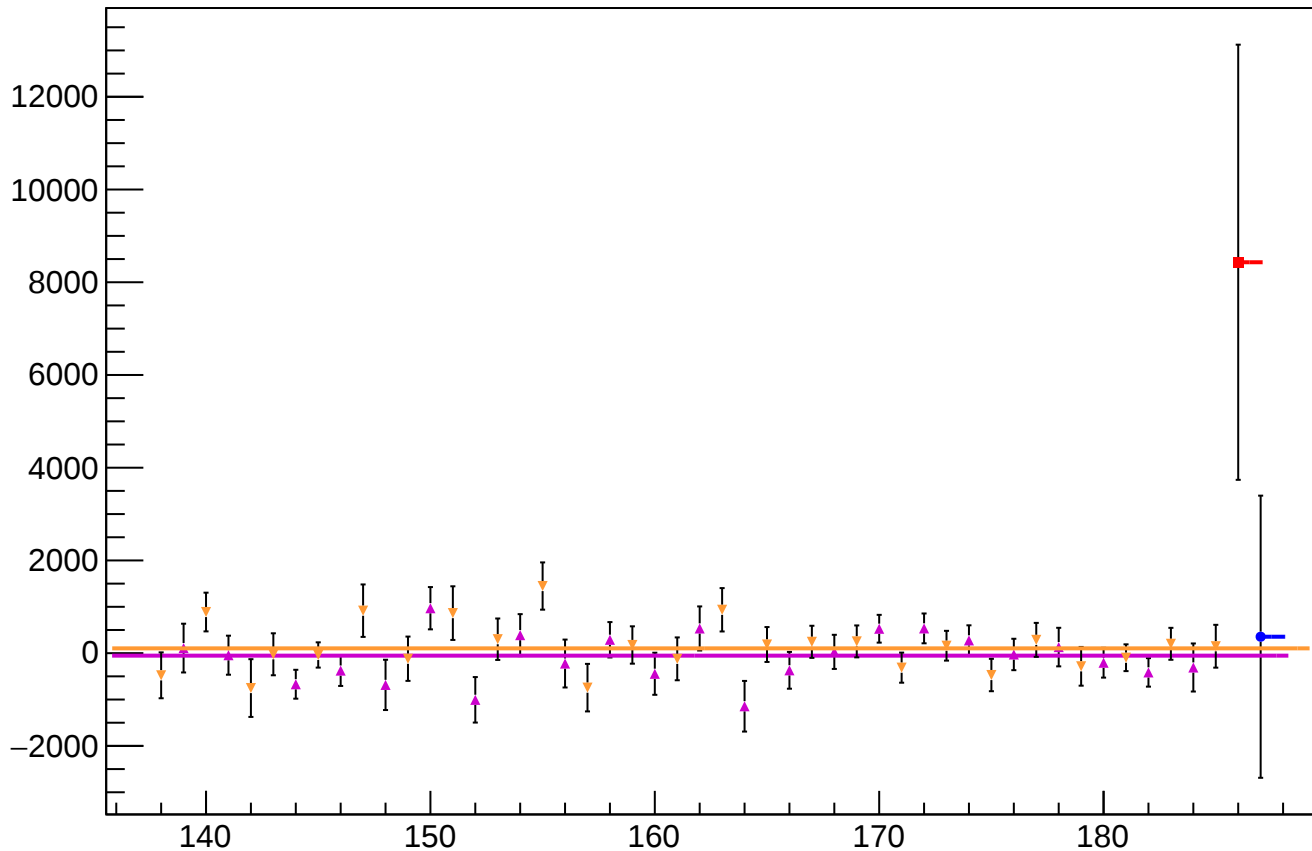
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 54.092 $\pm$ 0.009 χ^2 /NDF: 525478.1/25

All: 54.172 $\pm$ 0.006 χ^2 /NDF: 1364396.6/49

- sign 54.257 $\pm$ 0.009 χ^2 /NDF: 838753.9/23

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 354.740 ± 3042.718 χ^2/NDF : 0.0/0

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 8431.254 ± 4692.802 χ^2/NDF : 0.0/0

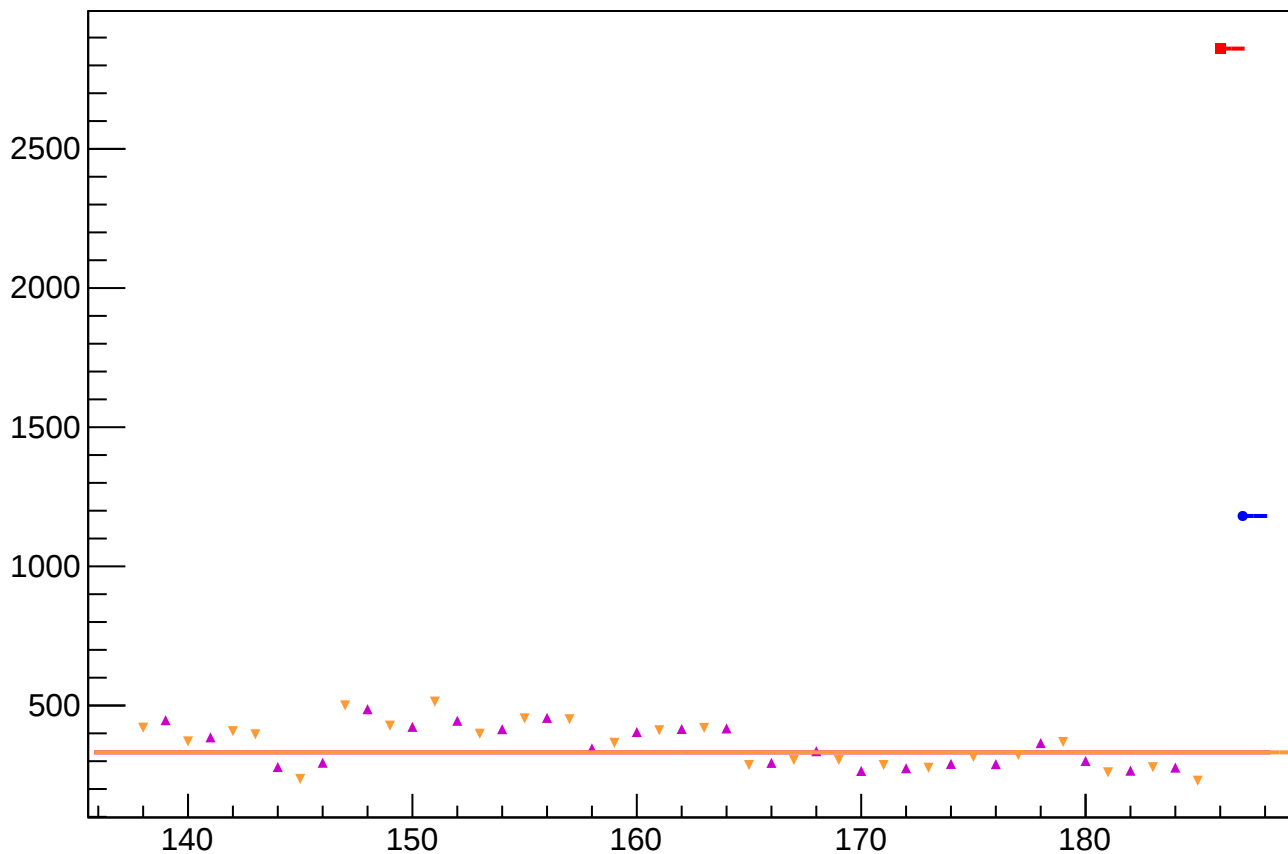
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 103.938 ± 79.317 χ^2/NDF : 31.0/25

All: 28.298 ± 56.736 χ^2/NDF : 70.2/49

- sign -50.953 ± 81.189 χ^2/NDF : 37.4/23

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 1181.038 $\pm$ 2.152 χ^2 /NDF: 0.0/0

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 2860.394 $\pm$ 3.318 χ^2 /NDF: 0.0/0

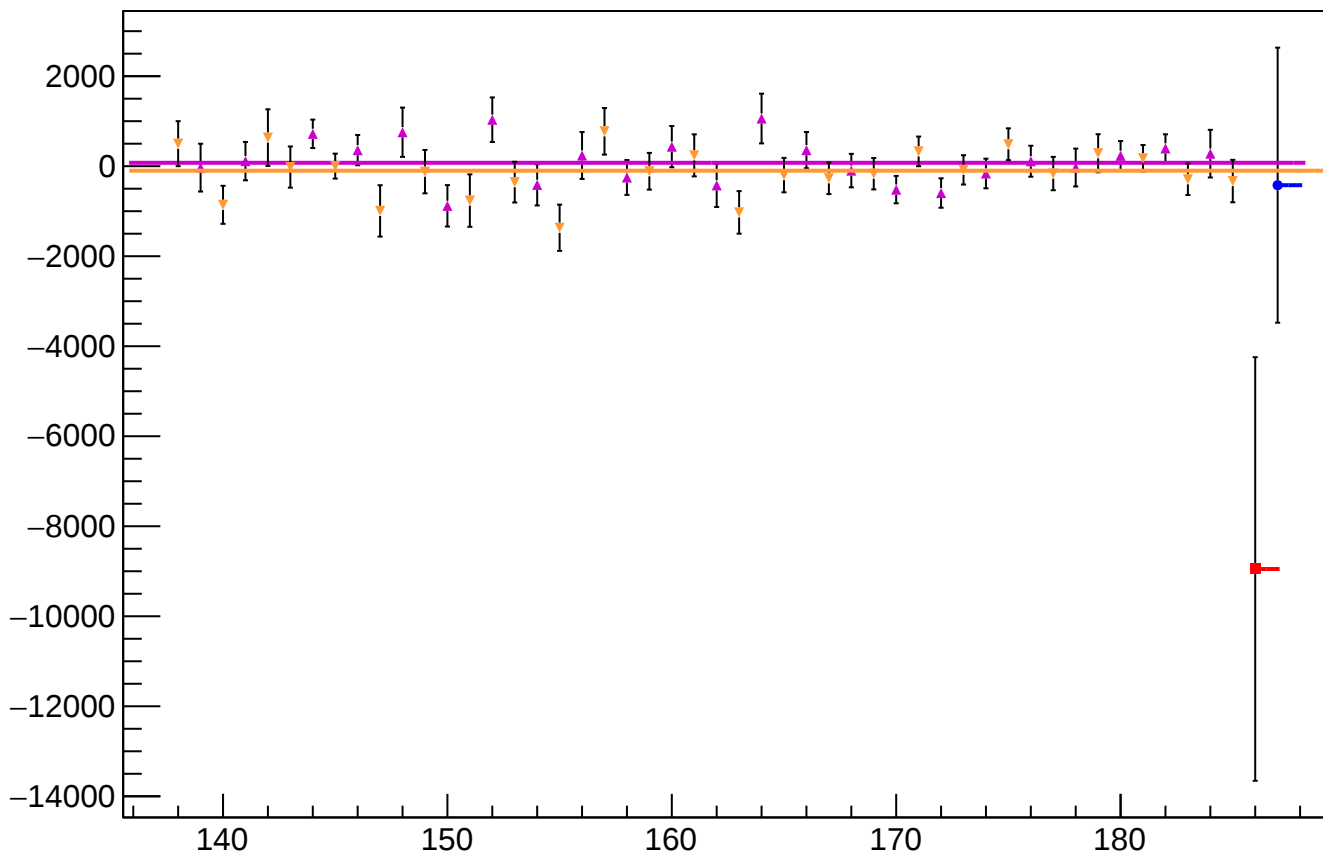
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 332.348 $\pm$ 0.056 χ^2 /NDF: 1867426.2/25

All: 332.384 $\pm$ 0.040 χ^2 /NDF: 3751169.5/49

- sign 332.423 $\pm$ 0.057 χ^2 /NDF: 1883742.4/23

asym_sam_15_26_dd_mean vs Slug



Right In: -422.369+/-3055.841 χ^2/NDF : 0.0/0

Left Out: -99.785+/-80.428 χ^2/NDF :30.7/24

Right Out: -8949.643+/-4706.210 χ^2/NDF : 0.0/0

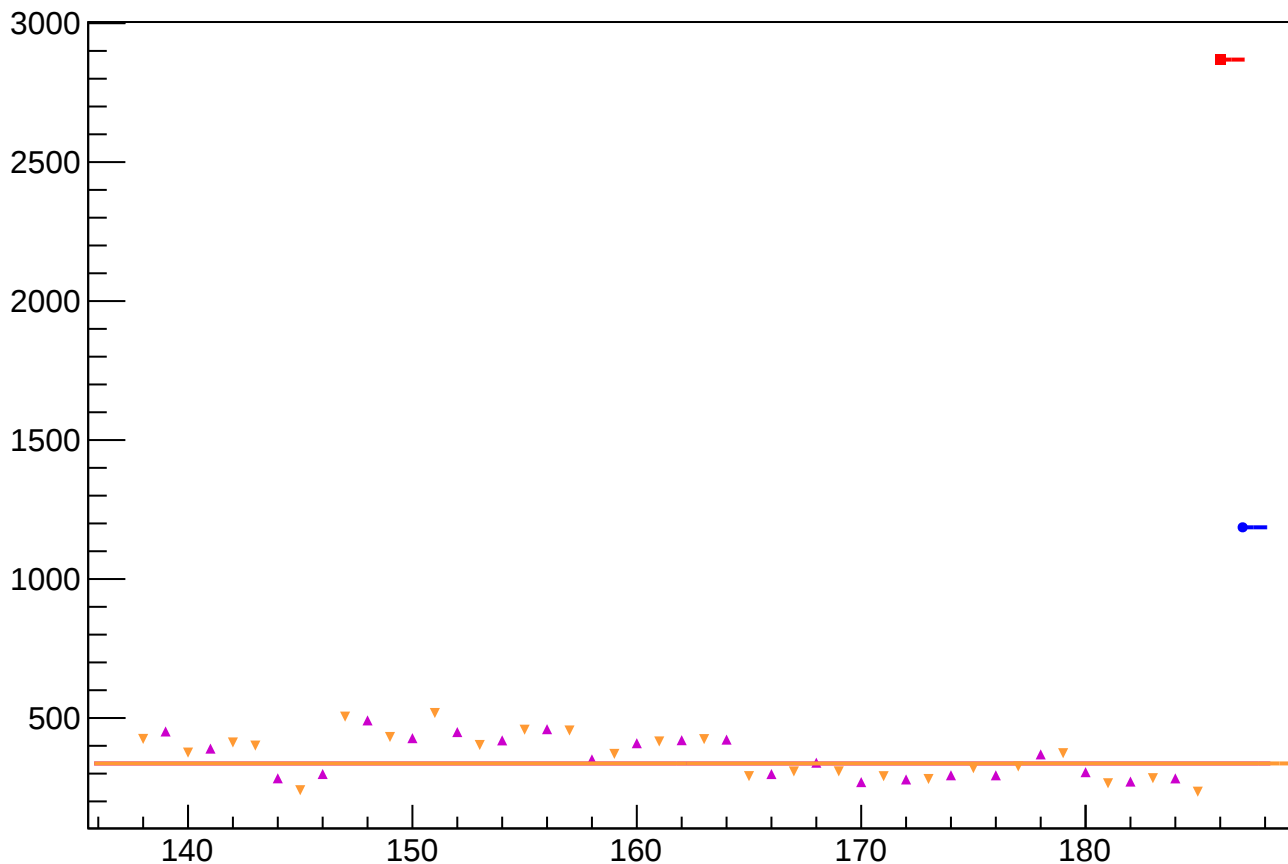
Left In: 75.579+/-82.319 χ^2/NDF :32.1/22

+ sign -100.008+/-80.400 χ^2/NDF : 30.7/25

All: -15.619+/-57.513 χ^2/NDF : 68.7/49

- sign 72.819+/-82.306 χ^2/NDF : 35.8/23

asym_sam_15_26_dd_rms vs Slug



Right In: 1186.048 $\pm$ 2.161 χ^2 /NDF: 0.0/0

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF:1665919.4/24

Right Out: 2868.780 $\pm$ 3.328 χ^2 /NDF: 0.0/0

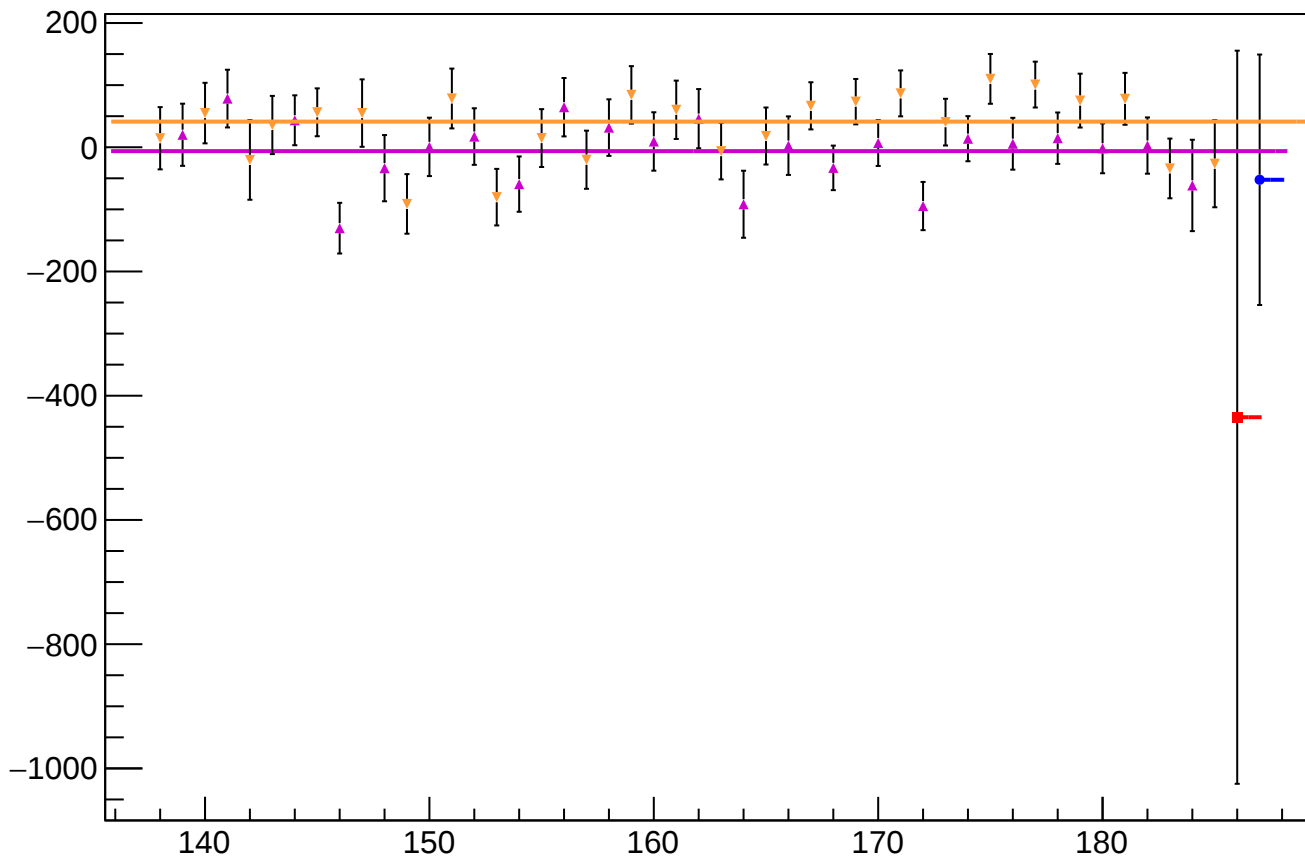
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF:1269066.3/22

+ sign 337.146 $\pm$ 0.057 χ^2 /NDF: 1820368.4/25

All: 337.179 $\pm$ 0.041 χ^2 /NDF: 3668329.0/49

- sign 337.214 $\pm$ 0.058 χ^2 /NDF: 1847959.8/23

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -52.362 ± 201.613 χ^2/NDF : 0.0/0

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -434.648 ± 590.122 χ^2/NDF : 0.0/0

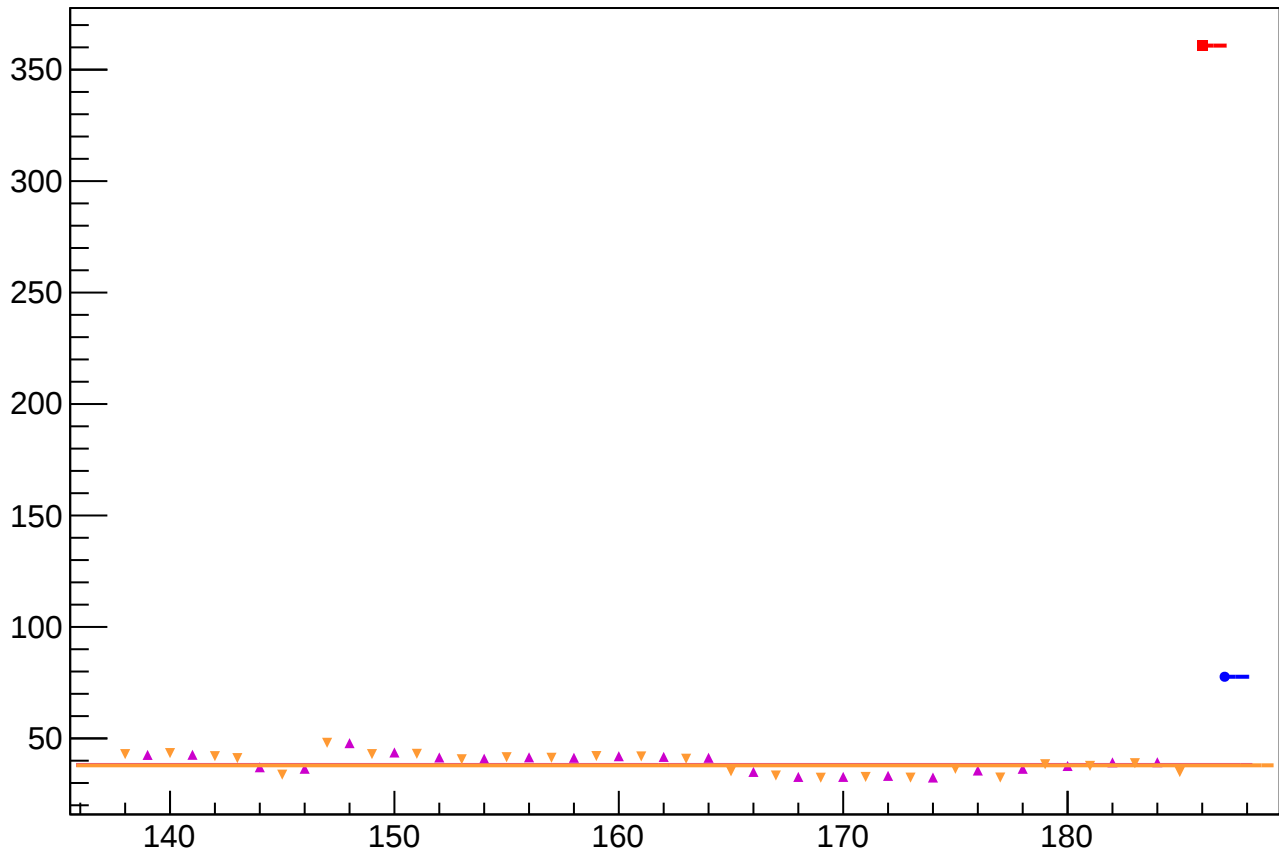
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 41.102 ± 8.881 χ^2/NDF : 34.6/25

All: 18.142 ± 6.381 χ^2/NDF : 79.2/49

- sign -6.357 ± 9.174 χ^2/NDF : 30.8/23

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 77.658 $\pm$ 0.143 χ^2 /NDF: 0.0/0

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 360.791 $\pm$ 0.417 χ^2 /NDF: 0.0/0

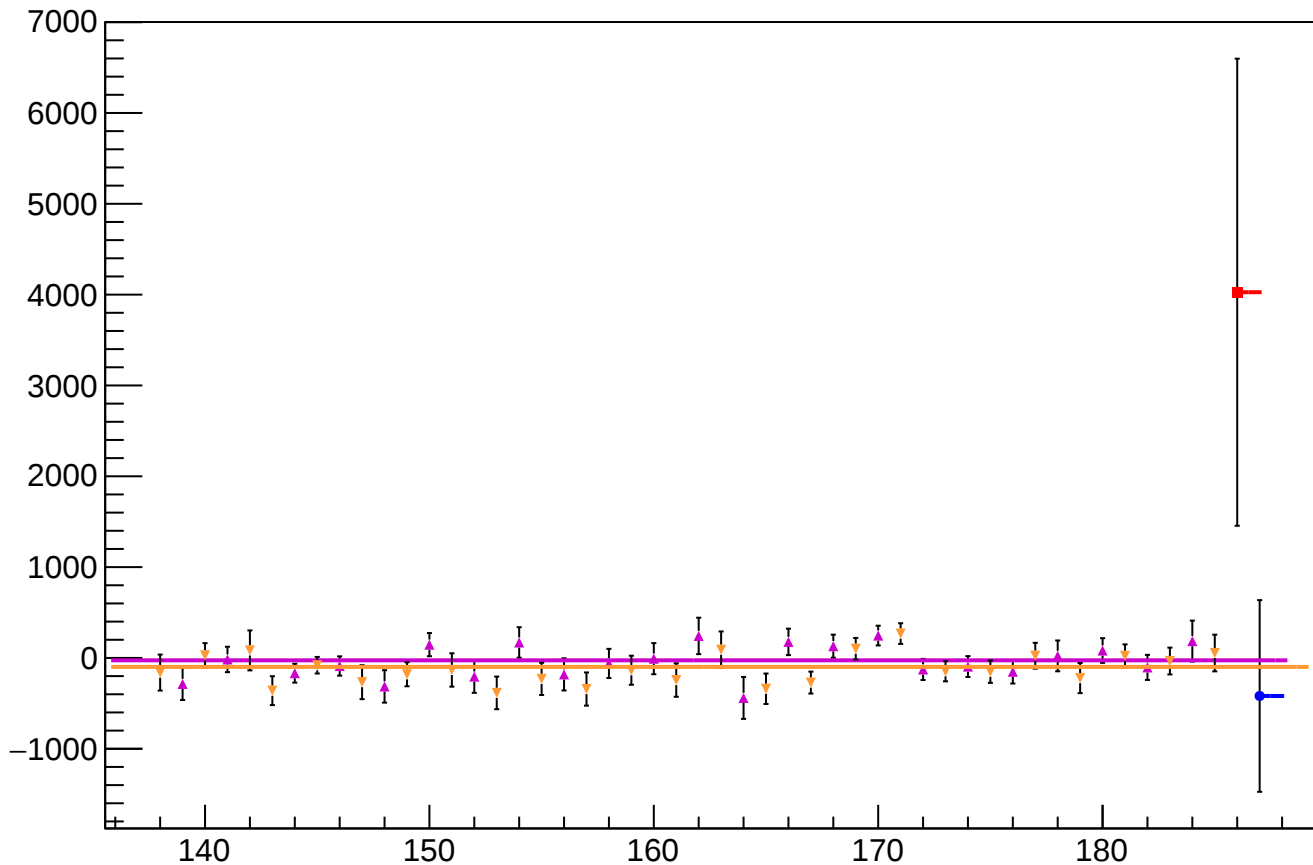
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 38.002 $\pm$ 0.006 χ^2 /NDF: 564613.8/25

All: 38.081 $\pm$ 0.005 χ^2 /NDF: 1559201.5/49

- sign 38.165 $\pm$ 0.006 χ^2 /NDF: 994261.4/23

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -418.624 ± 1055.050 χ^2/NDF : 0.0/0

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: 4026.492 ± 2571.269 χ^2/NDF : 0.0/0

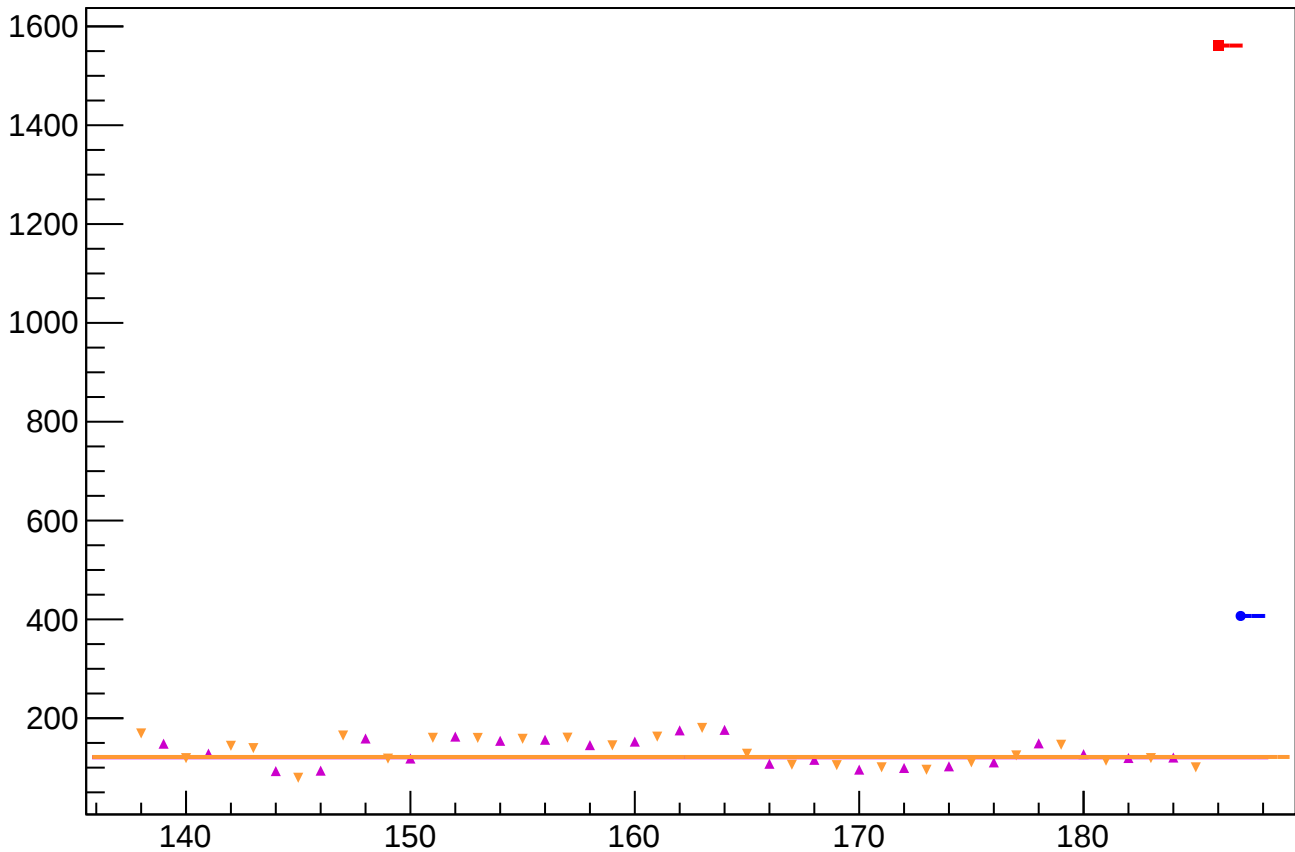
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -98.984 ± 29.084 χ^2/NDF : 32.8/25

All: -63.069 ± 20.771 χ^2/NDF : 69.1/49

- sign -25.683 ± 29.674 χ^2/NDF : 33.2/23

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 406.915 $\pm$ 0.746 χ^2 /NDF: 0.0/0

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF:1711423.9/24

Right Out: 1561.206 $\pm$ 1.818 χ^2 /NDF: 0.0/0

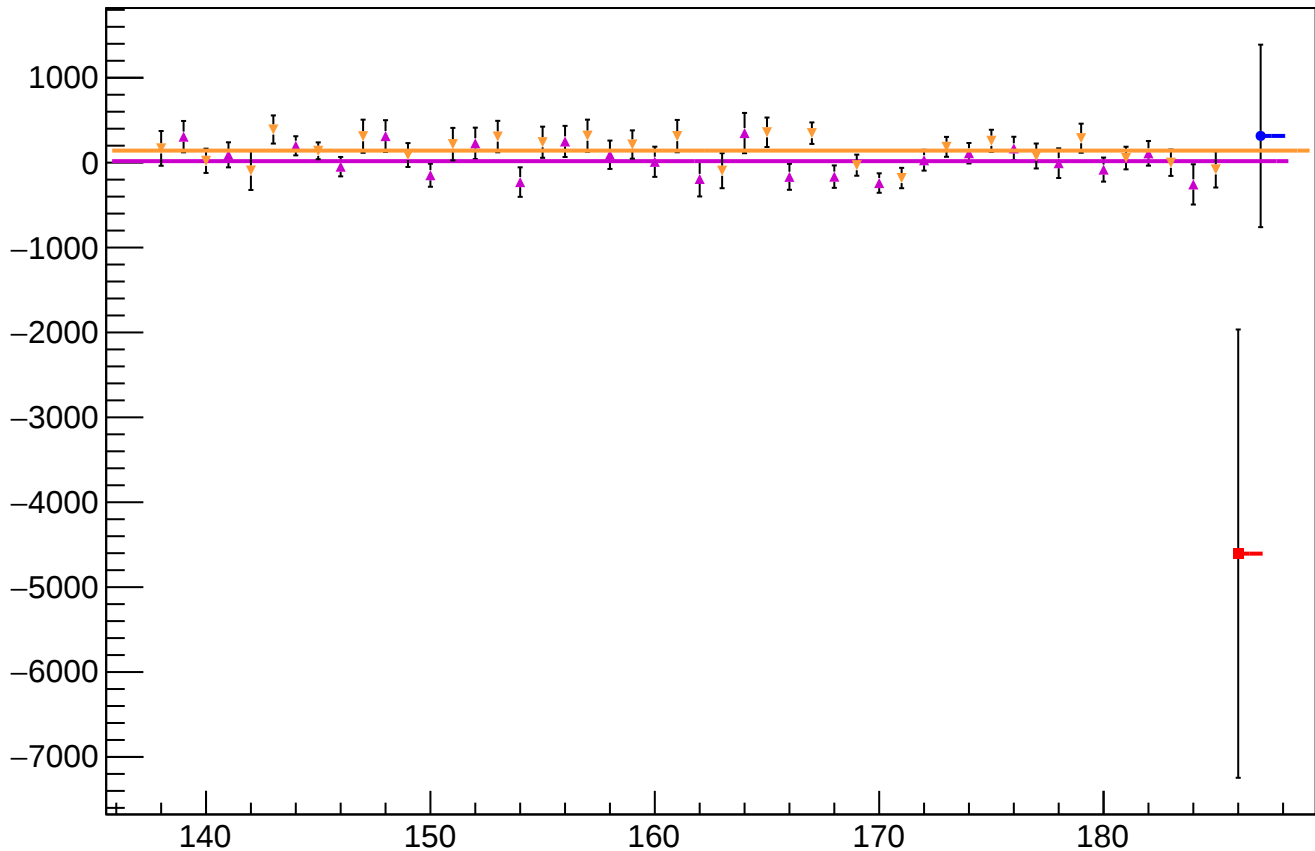
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF:1382861.4/22

+ sign 121.809 $\pm$ 0.021 χ^2 /NDF: 1857583.2/25

All: 121.471 $\pm$ 0.015 χ^2 /NDF: 3868433.6/49

- sign 121.119 $\pm$ 0.021 χ^2 /NDF: 2010298.7/23

asym_sam_37_26_dd_mean vs Slug



Right In: 314.856 ± 1074.786 χ^2/NDF : 0.0/0

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: -4605.425 ± 2640.214 χ^2/NDF : 0.0/0

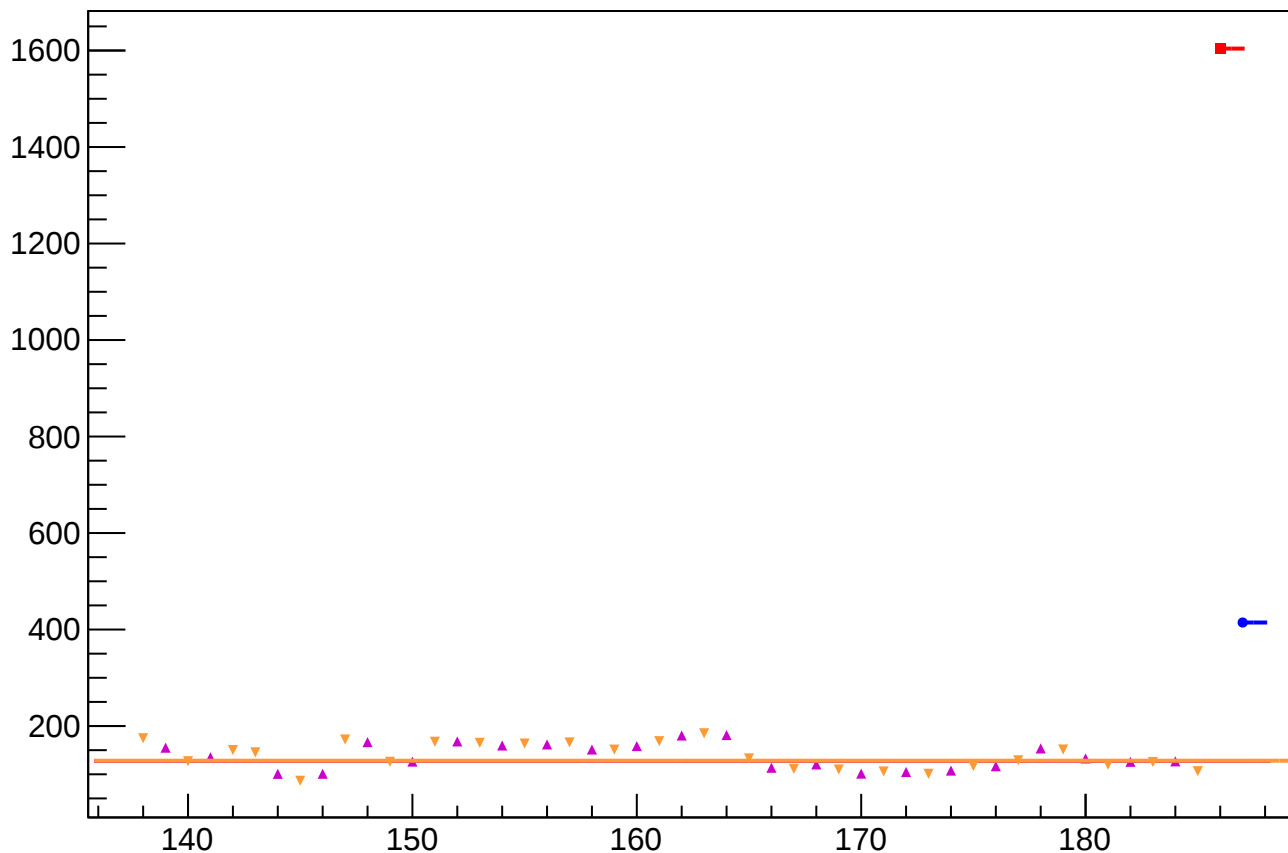
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 142.154 ± 30.562 χ^2/NDF : 26.9/25

All: 80.899 ± 21.835 χ^2/NDF : 68.3/49

- sign 17.033 ± 31.206 χ^2/NDF : 33.2/23

asym_sam_37_26_dd_rms vs Slug



Right In: 414.557 $\pm$ 0.760 χ^2 /NDF: 0.0/0

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF:1532922.0/24

Right Out: 1604.044 $\pm$ 1.867 χ^2 /NDF: 0.0/0

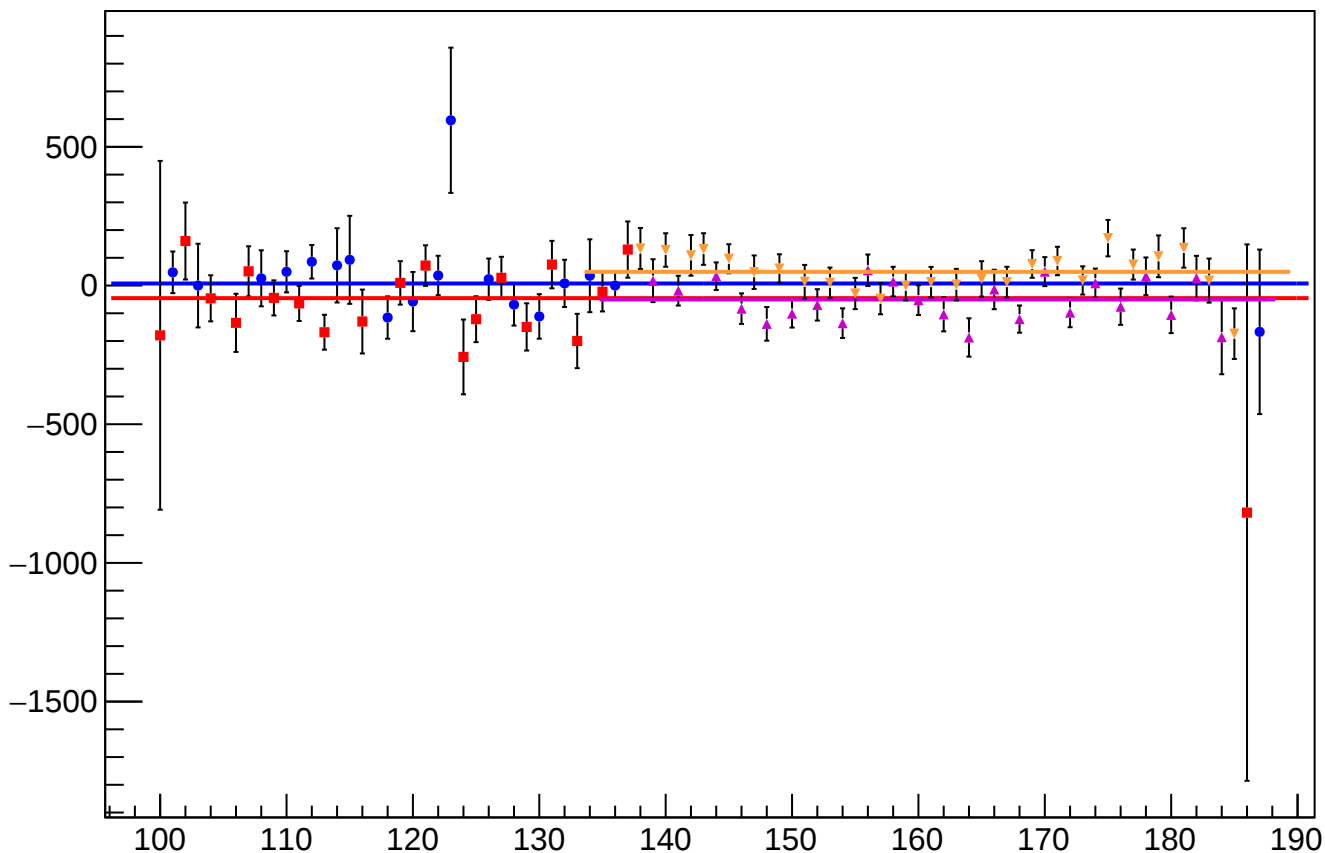
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 128.407 $\pm$ 0.022 χ^2 /NDF: 1674803.7/25

All: 128.085 $\pm$ 0.015 χ^2 /NDF: 3536361.5/49

- sign 127.750 $\pm$ 0.022 χ^2 /NDF: 1861105.7/23

reg_asym_sam_1357_avg_mean vs Slug



Right In: 7.370 ± 20.139 $\chi^2/\text{NDF}: 14.7/17$

Left Out: 49.402 ± 11.806 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -45.452 ± 19.455 $\chi^2/\text{NDF}: 25.6/19$

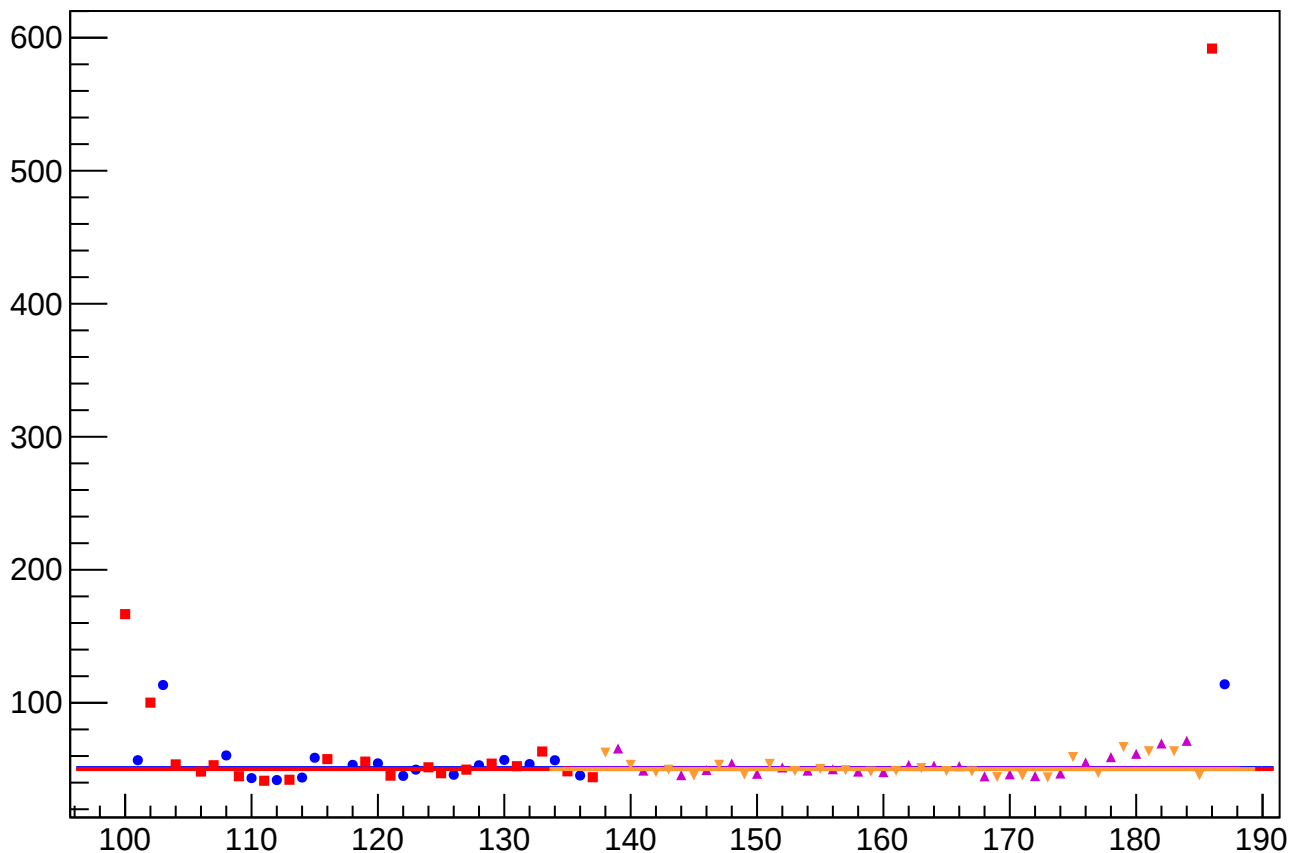
Left In: -50.331 ± 12.253 $\chi^2/\text{NDF}: 32.2/22$

+ sign 38.652 ± 10.185 $\chi^2/\text{NDF}: 46.0/42$

All: -4.364 ± 7.266 $\chi^2/\text{NDF}: 140.2/85$

- sign -48.945 ± 10.368 $\chi^2/\text{NDF}: 57.8/42$

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.929 $\pm$ 0.014 χ^2 /NDF: 610973.5/17

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 50.197 $\pm$ 0.014 χ^2 /NDF: 1128721.9/19

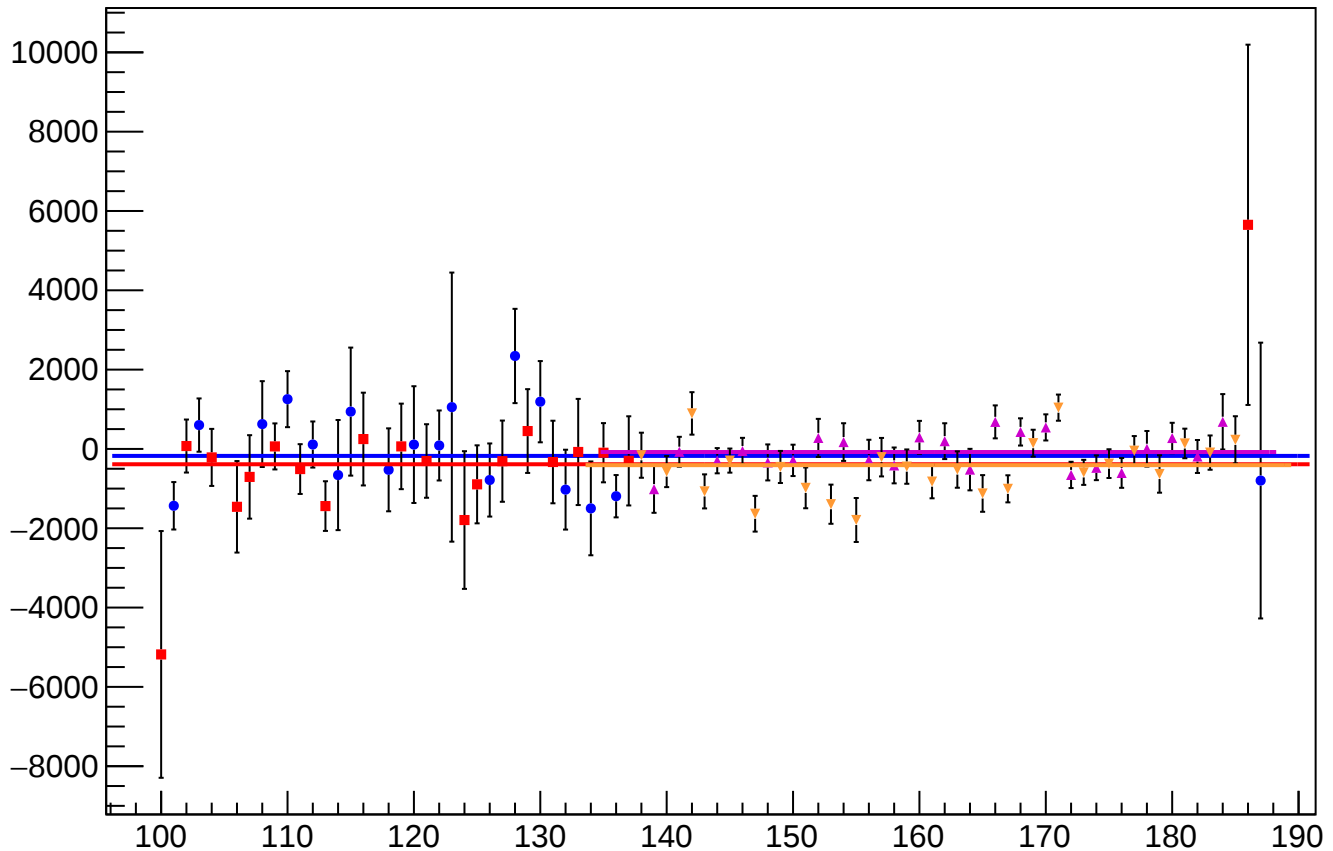
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 50.379 $\pm$ 0.007 χ^2 /NDF: 1080662.0/42

All: 50.460 $\pm$ 0.005 χ^2 /NDF: 2679832.0/85

- sign 50.545 $\pm$ 0.007 χ^2 /NDF: 1598907.9/42

asym_sam_1357_avg_correction_mean vs Slug



Right In: -175.653 ± 210.285 χ^2/NDF : 24.0/17

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -386.434 ± 203.836 χ^2/NDF : 11.3/19

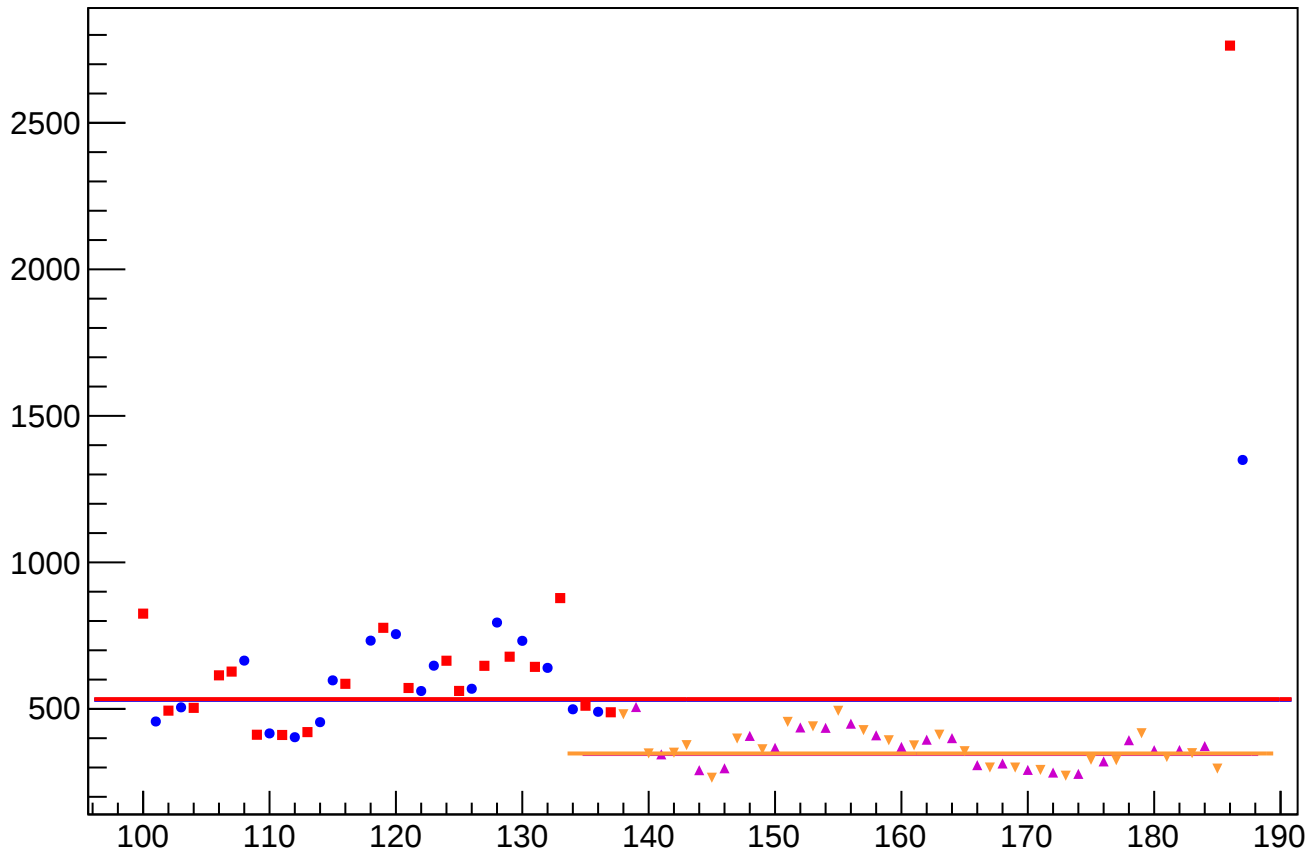
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -378.116 ± 76.679 χ^2/NDF : 86.7/42

All: -252.148 ± 54.585 χ^2/NDF : 130.3/85

- sign -122.732 ± 77.721 χ^2/NDF : 38.2/42

asym_sam_1357_avg_correction_rms vs Slug



Right In: 530.876 $\pm$ 0.149 χ^2 /NDF: 674721.3/17

Left Out: 347.875 $\pm$ 0.058 χ^2 /NDF: 1044096.7/24

Right Out: 533.386 $\pm$ 0.144 χ^2 /NDF: 1108611.4/19

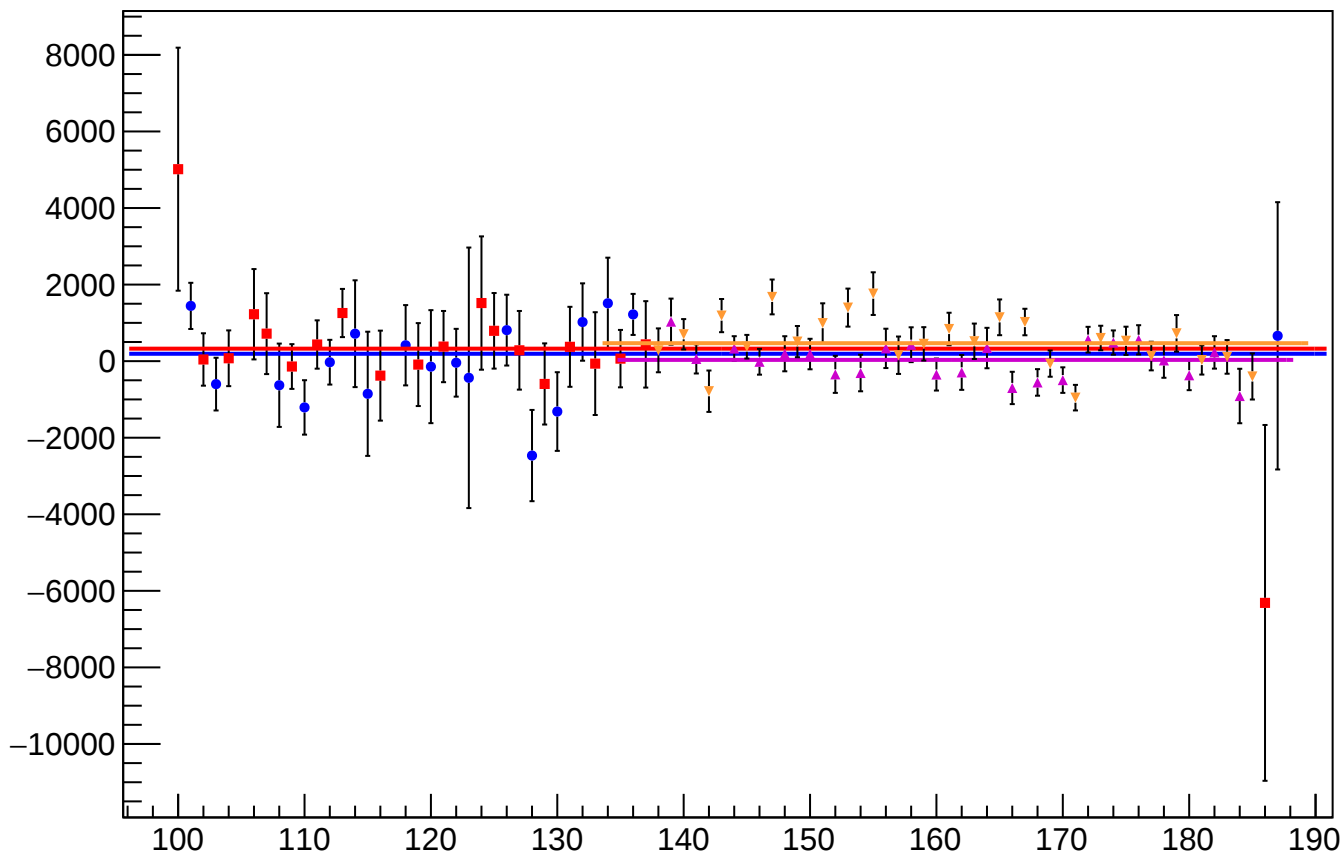
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF: 900847.0/22

+ sign 372.207 $\pm$ 0.054 χ^2 /NDF: 3032091.8/42

All: 372.699 $\pm$ 0.039 χ^2 /NDF: 6486914.0/85

- sign 373.204 $\pm$ 0.055 χ^2 /NDF: 3454655.7/42

asym_sam_1357_avg_mean vs Slug



Right In: 192.689 ± 211.765 χ^2/NDF : 24.2/17

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 326.085 ± 205.417 χ^2/NDF : 10.3/19

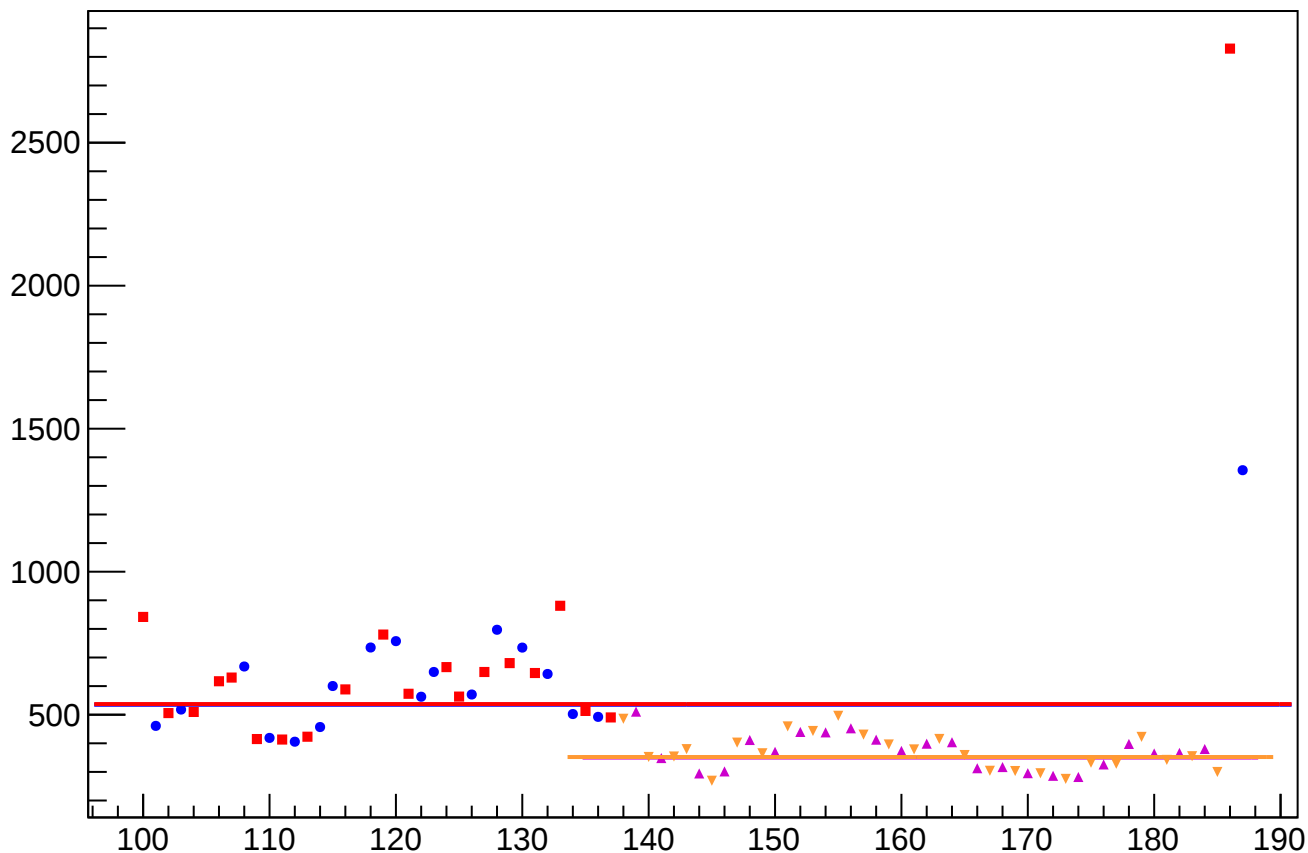
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 431.860 ± 77.515 χ^2/NDF : 83.1/42

All: 256.252 ± 55.188 χ^2/NDF : 131.2/85

- sign 75.732 ± 78.592 χ^2/NDF : 37.7/42

asym_sam_1357_avg_rms vs Slug



Right In: 534.794 $\pm$ 0.150 χ^2 /NDF: 666744.2/17

Left Out: 352.015 $\pm$ 0.059 χ^2 /NDF: 1017195.6/24

Right Out: 537.195 $\pm$ 0.145 χ^2 /NDF: 1105164.7/19

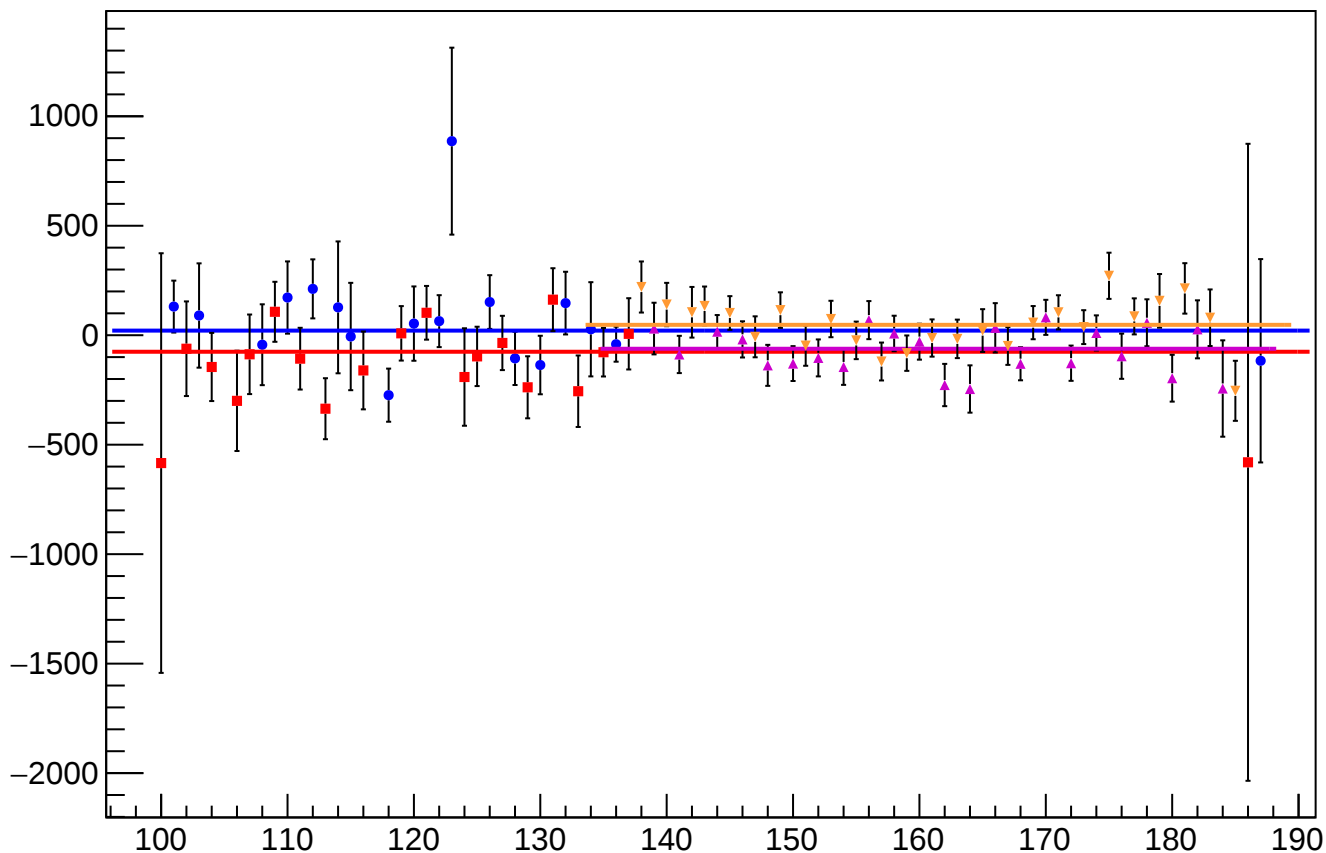
Left In: 350.160 $\pm$ 0.060 χ^2 /NDF: 878380.0/22

+ sign 376.505 $\pm$ 0.055 χ^2 /NDF: 2974273.2/42

All: 377.014 $\pm$ 0.039 χ^2 /NDF: 6373343.7/85

- sign 377.538 $\pm$ 0.056 χ^2 /NDF: 3398895.2/42

reg_asym_sam_2468_avg_mean vs Slug



Right In: 21.067 $\pm$ 34.542 χ^2 /NDF: 19.3/17

Left Out: 47.426 $\pm$ 18.253 χ^2 /NDF: 29.4/24

Right Out: -75.496 $\pm$ 34.790 χ^2 /NDF: 15.6/19

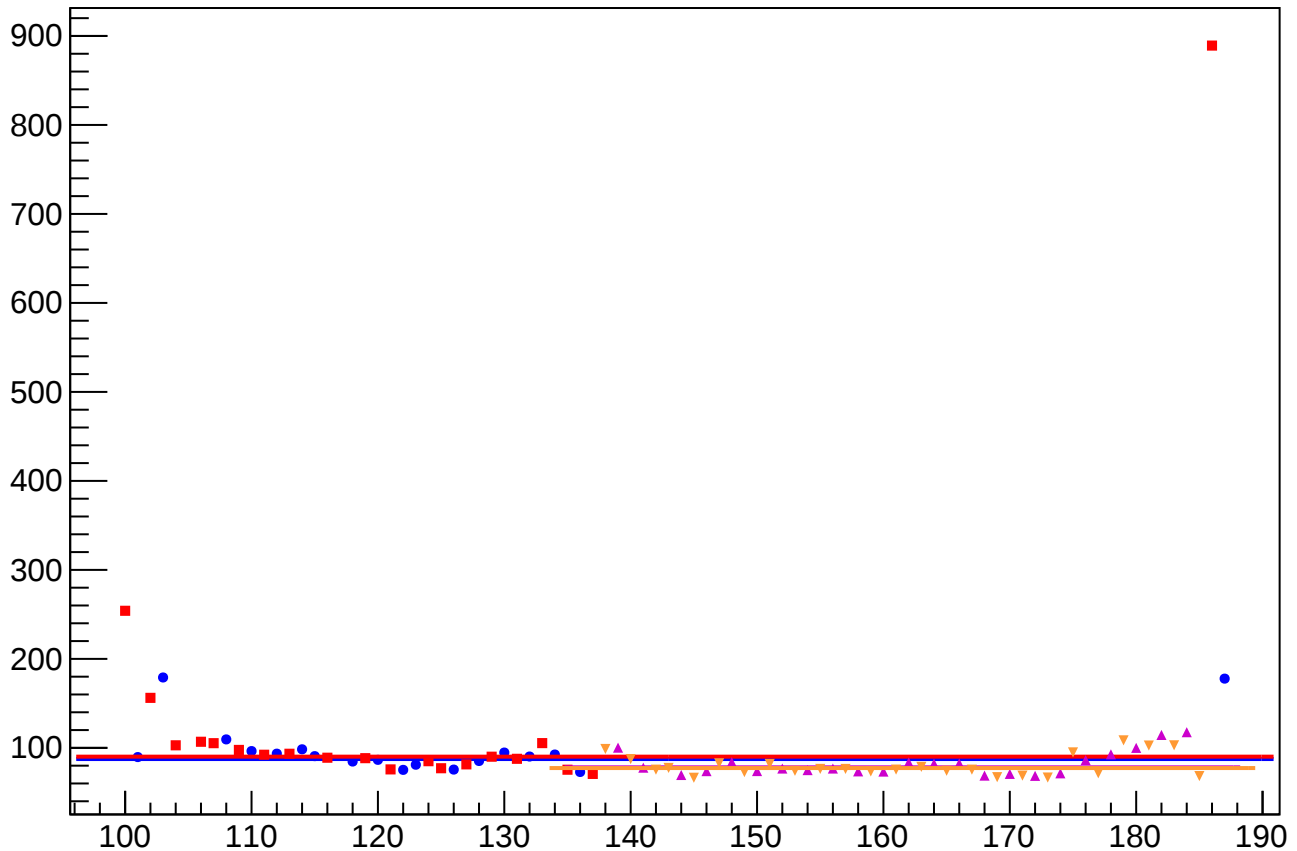
Left In: -61.830 $\pm$ 18.958 χ^2 /NDF: 24.0/22

+ sign 41.672 $\pm$ 16.138 χ^2 /NDF: 49.1/42

All: -9.990 $\pm$ 11.587 χ^2 /NDF: 110.0/85

- sign -64.959 $\pm$ 16.647 χ^2 /NDF: 39.7/42

reg_asym_sam_2468_avg_rms vs Slug



Right In: 87.452+/-0.024 χ^2/NDF : 529760.0/17

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 90.131+/-0.025 χ^2/NDF : 1033019.9/19

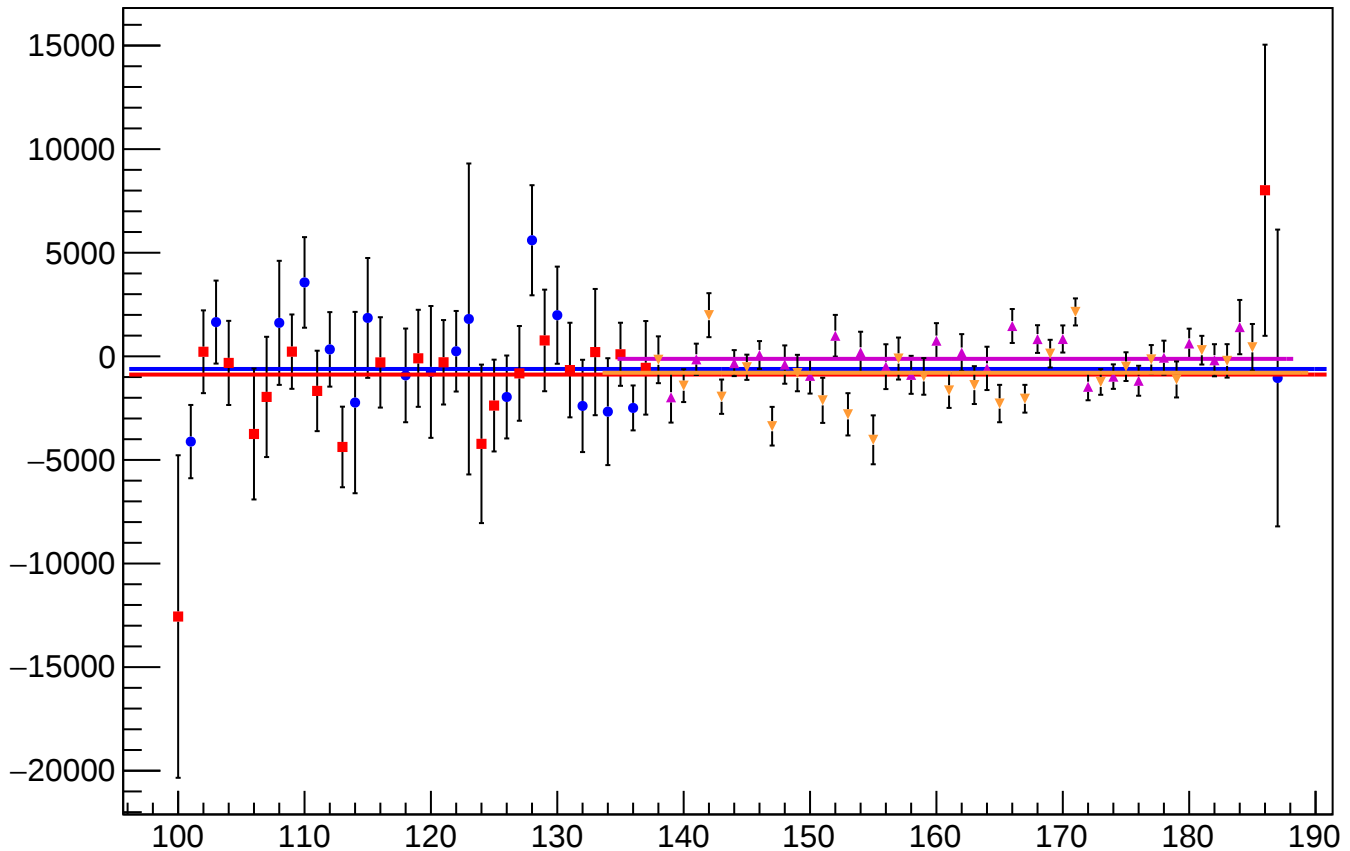
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 79.529+/-0.011 χ^2/NDF : 1299992.3/42

All: 80.185+/-0.008 χ^2/NDF : 3105198.5/85

- sign 80.884+/-0.012 χ^2/NDF : 1798367.2/42

asym_sam_2468_avg_correction_mean vs Slug



Right In: -609.981+/-516.869 χ^2/NDF : 22.3/17

Left Out: -792.776+/-162.659 χ^2/NDF : 66.6/24

Right Out: -880.002+/-514.392 χ^2/NDF : 11.5/19

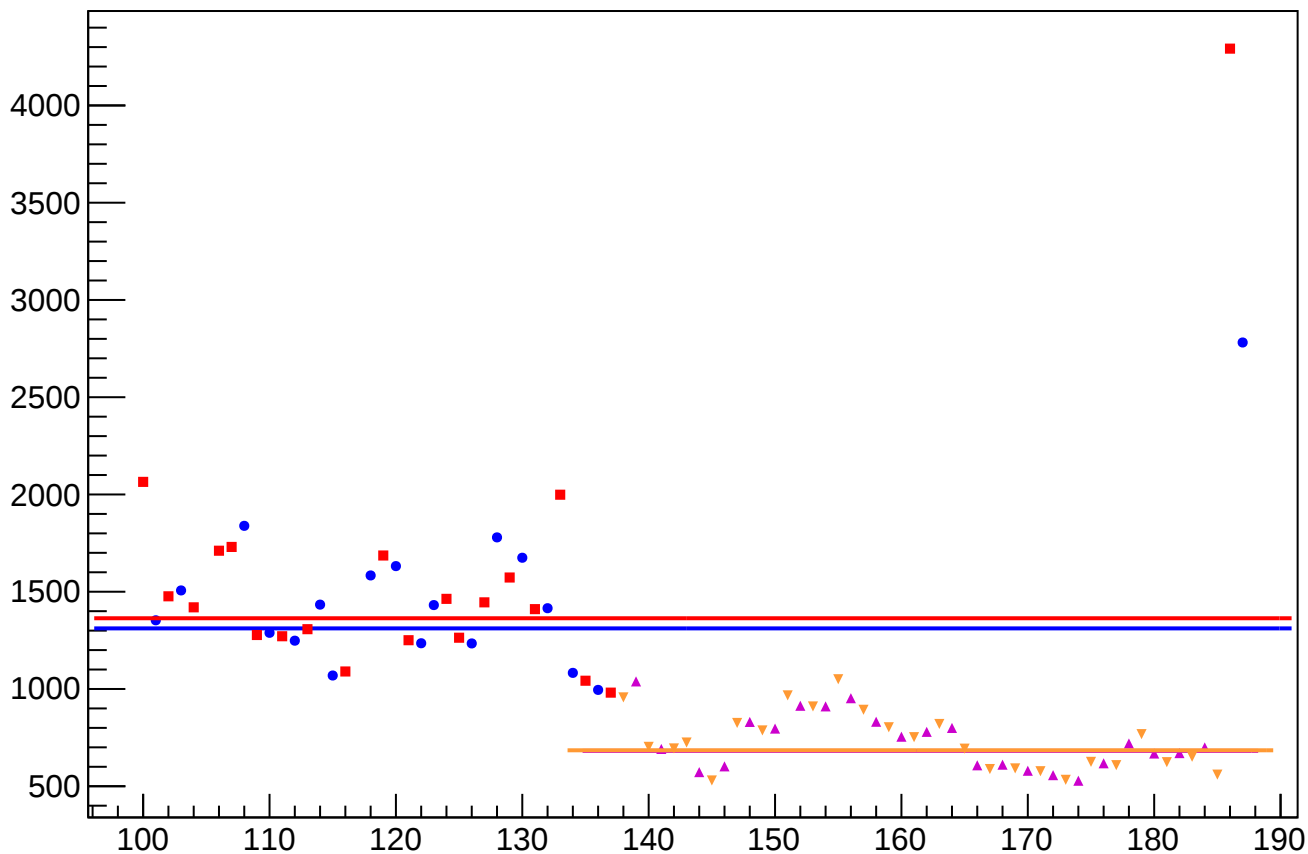
Left In: -122.198+/-166.193 χ^2/NDF : 25.9/22

+ sign -776.304+/-155.157 χ^2/NDF : 89.0/42

All: -490.617+/-110.754 χ^2/NDF : 135.3/85

- sign -193.824+/-158.144 χ^2/NDF : 39.4/42

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1311.505 $\pm$ 0.365 χ^2 /NDF: 540698.3/17

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF: 1280146.2/24

Right Out: 1363.607 $\pm$ 0.364 χ^2 /NDF: 770764.5/19

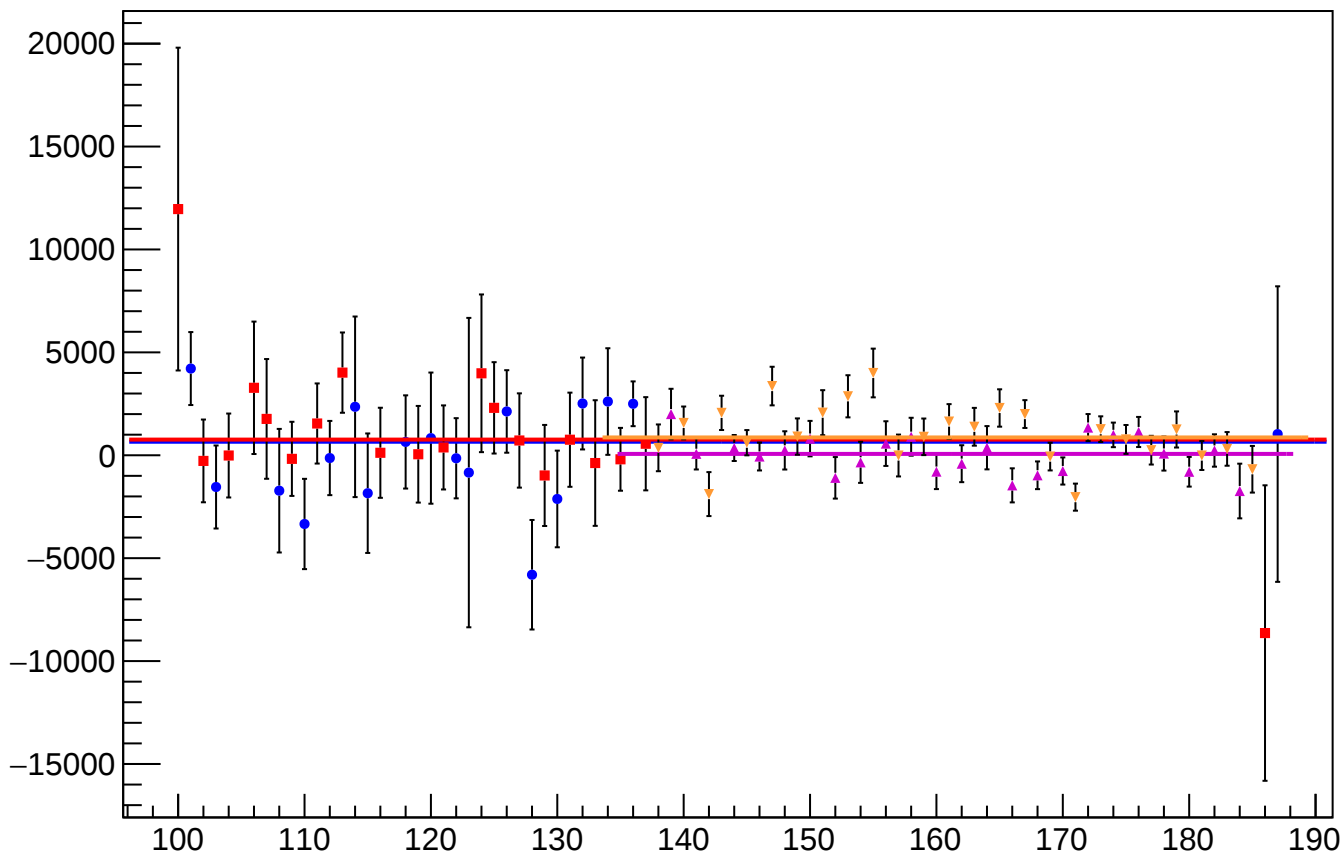
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF: 1119637.0/22

+ sign 741.260 $\pm$ 0.110 χ^2 /NDF: 4496341.0/42

All: 743.665 $\pm$ 0.078 χ^2 /NDF: 9570129.3/85

- sign 746.164 $\pm$ 0.112 χ^2 /NDF: 5072808.3/42

asym_sam_2468_avg_mean vs Slug



Right In: 657.725 $\pm$ 518.339 χ^2 /NDF: 22.4/17

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF:62.8/24

Right Out: 761.478 $\pm$ 516.148 χ^2 /NDF: 10.6/19

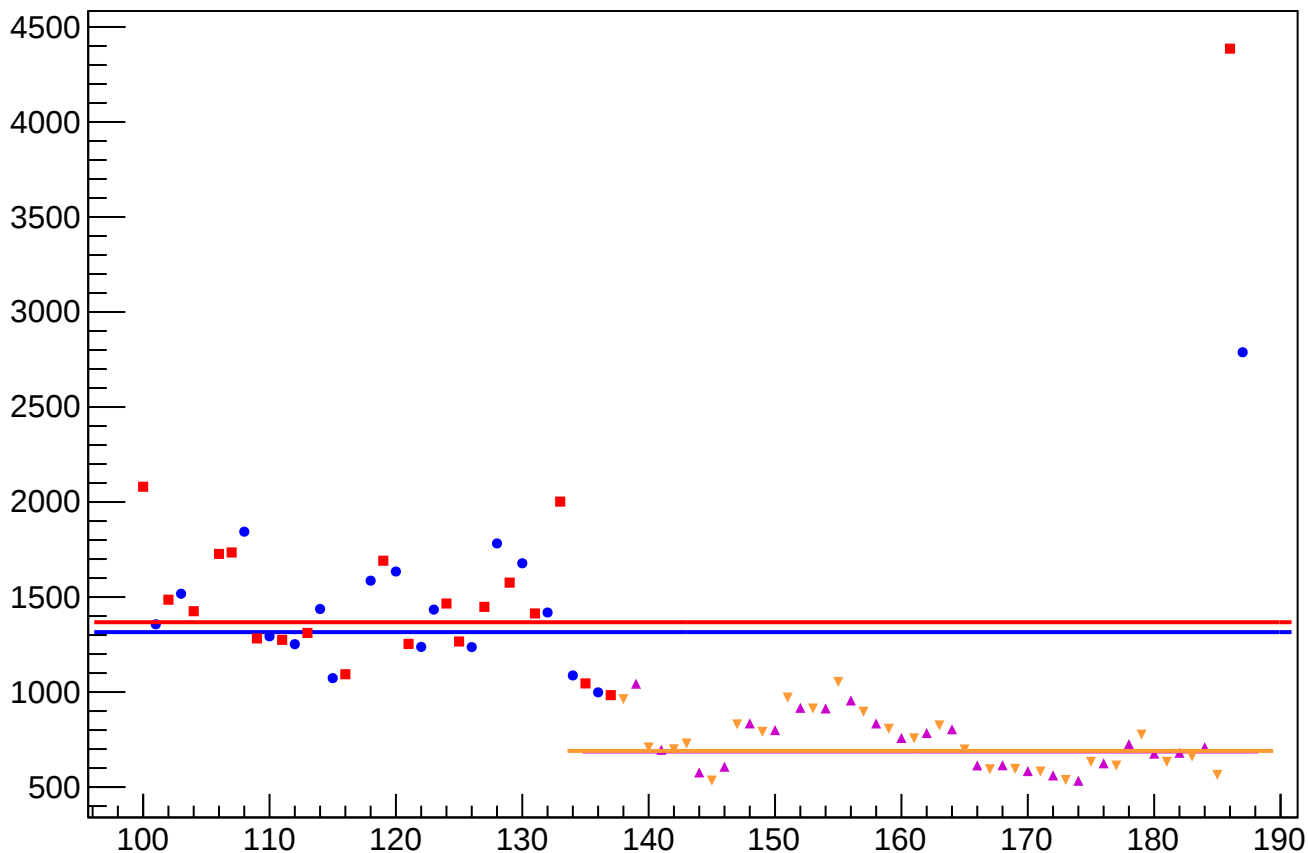
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF:26.4/22

+ sign 846.705 $\pm$ 156.261 χ^2 /NDF: 85.4/42

All: 496.342 $\pm$ 111.555 χ^2 /NDF: 134.3/85

- sign 132.185 $\pm$ 159.307 χ^2 /NDF: 38.6/42

asym_sam_2468_avg_rms vs Slug



Right In: 1315.300+/-0.367 χ^2/NDF : 539736.1/17

Left Out: 690.166+/-0.116 χ^2/NDF : 1258158.2/24

Right Out: 1367.441+/-0.365 χ^2/NDF : 777911.1/19

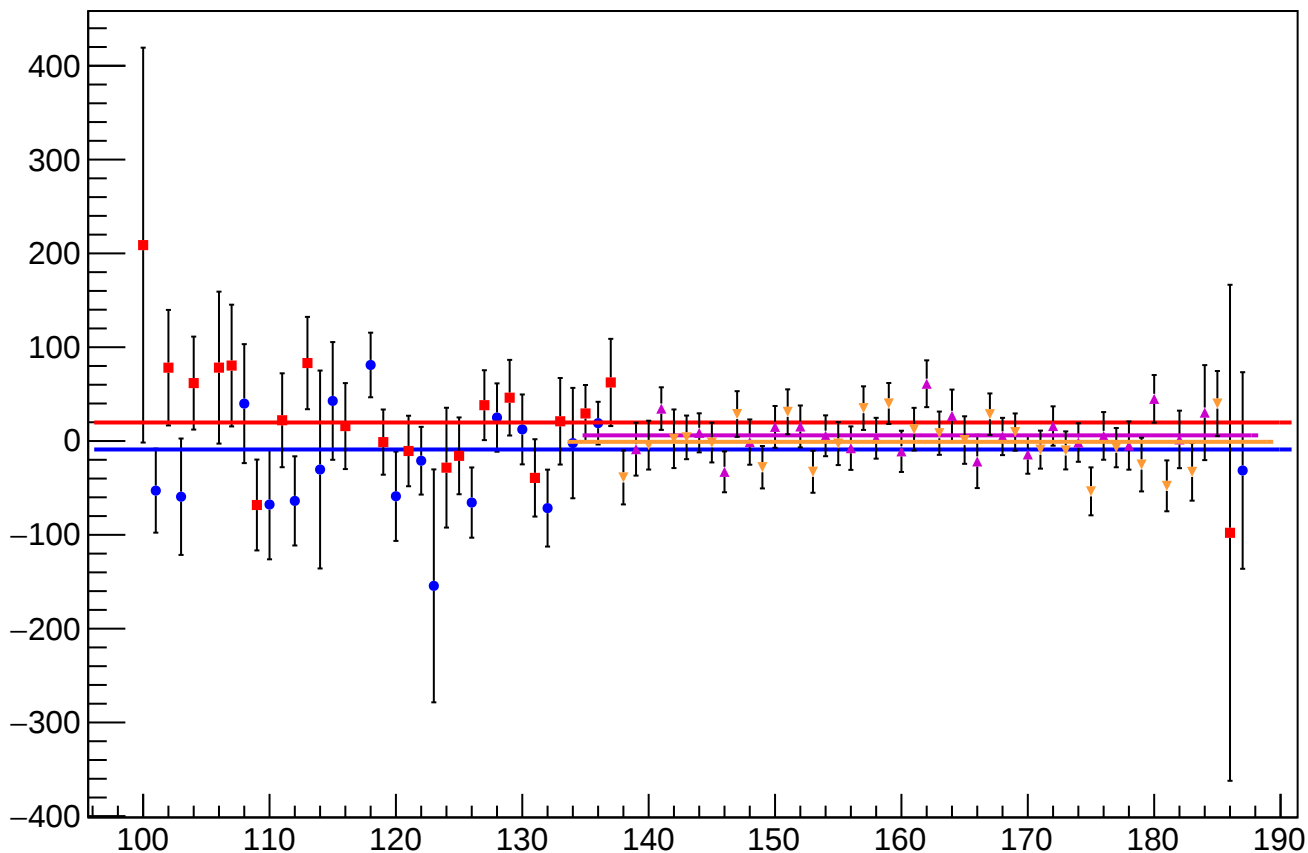
Left In: 687.216+/-0.118 χ^2/NDF : 1099706.1/22

+ sign 746.979+/-0.110 χ^2/NDF : 4442553.4/42

All: 749.449+/-0.079 χ^2/NDF : 9463927.7/85

- sign 752.016+/-0.113 χ^2/NDF : 5020355.1/42

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.010 ± 10.371 χ^2/NDF : 22.1/17

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 19.764 ± 10.462 χ^2/NDF : 15.0/19

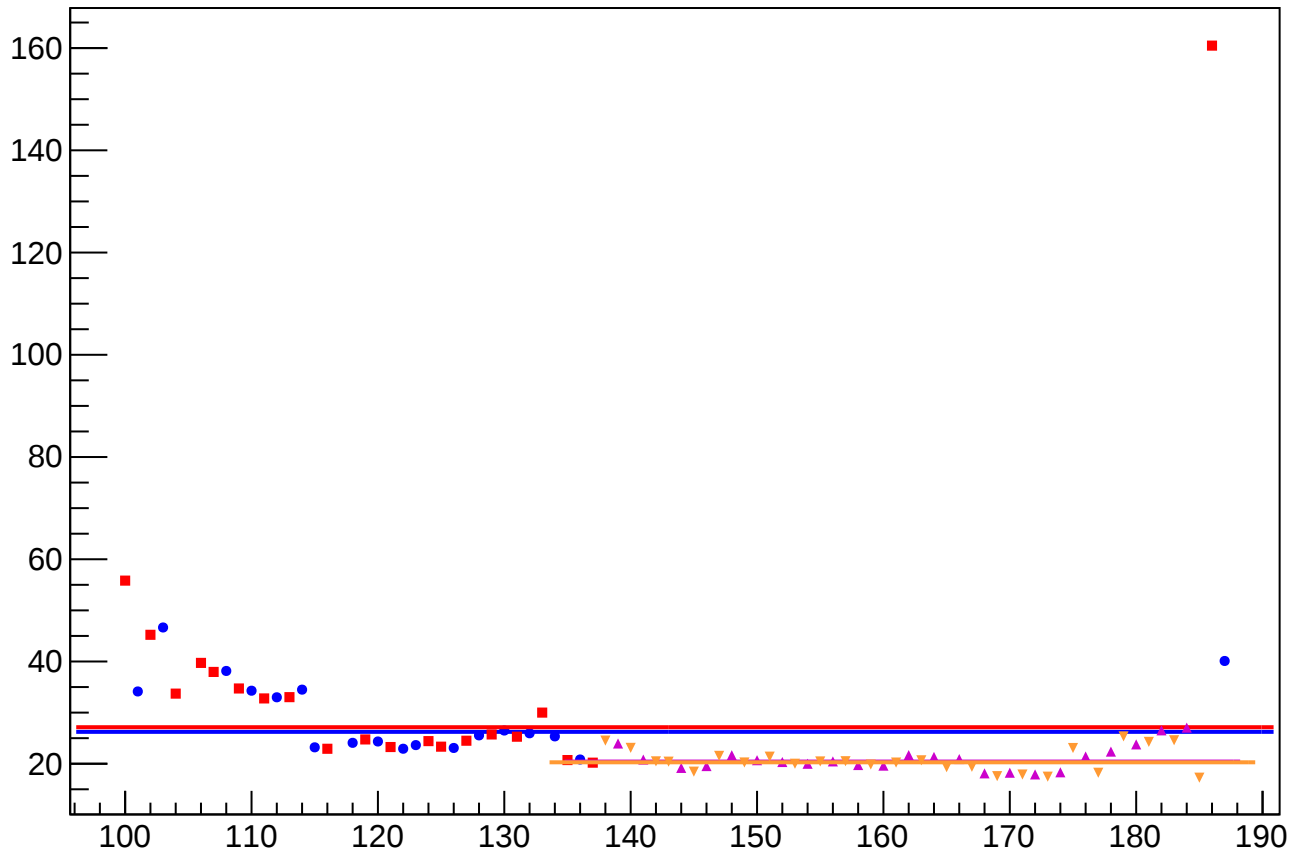
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -2.279 ± 4.326 χ^2/NDF : 50.5/42

All: 2.966 ± 3.104 χ^2/NDF : 86.9/85

- sign 8.531 ± 4.456 χ^2/NDF : 33.3/42

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.237 $\pm$ 0.007 χ^2 /NDF: 636872.9/17

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 27.144 $\pm$ 0.007 χ^2 /NDF: 1187603.3/19

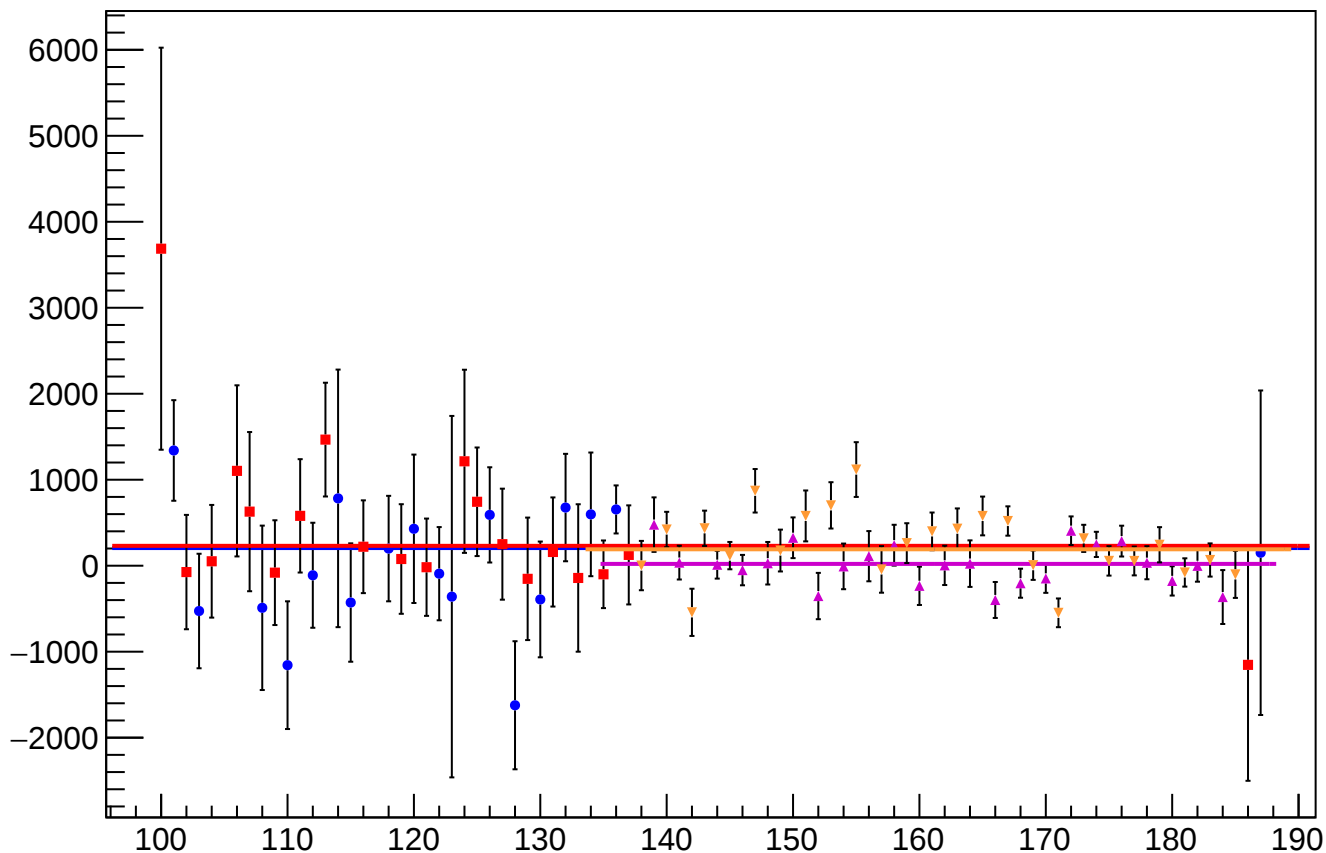
Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

+ sign 21.316 $\pm$ 0.003 χ^2 /NDF: 1589036.5/42

All: 21.475 $\pm$ 0.002 χ^2 /NDF: 3781142.2/85

- sign 21.643 $\pm$ 0.003 χ^2 /NDF: 2186558.6/42

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 205.270 $\pm$ 147.741 χ^2 /NDF: 21.3/17

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 231.151 $\pm$ 149.265 χ^2 /NDF: 11.5/19

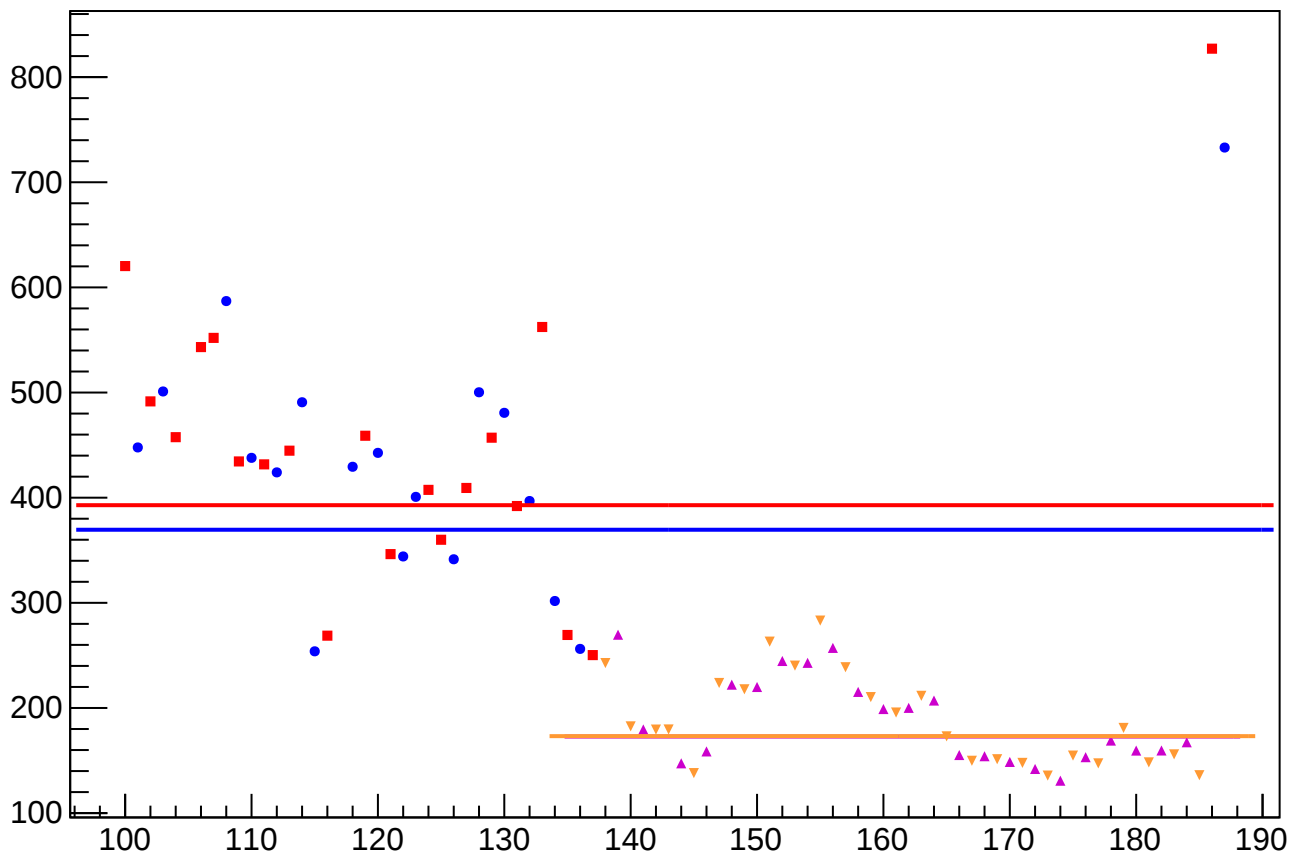
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 191.912 $\pm$ 39.787 χ^2 /NDF: 89.2/42

All: 116.003 $\pm$ 28.447 χ^2 /NDF: 137.7/85

- sign 36.614 $\pm$ 40.689 χ^2 /NDF: 41.1/42

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 369.514 $\pm$ 0.104 χ^2 /NDF: 904253.5/17

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF: 1561250.6/24

Right Out: 392.867 $\pm$ 0.106 χ^2 /NDF: 984892.6/19

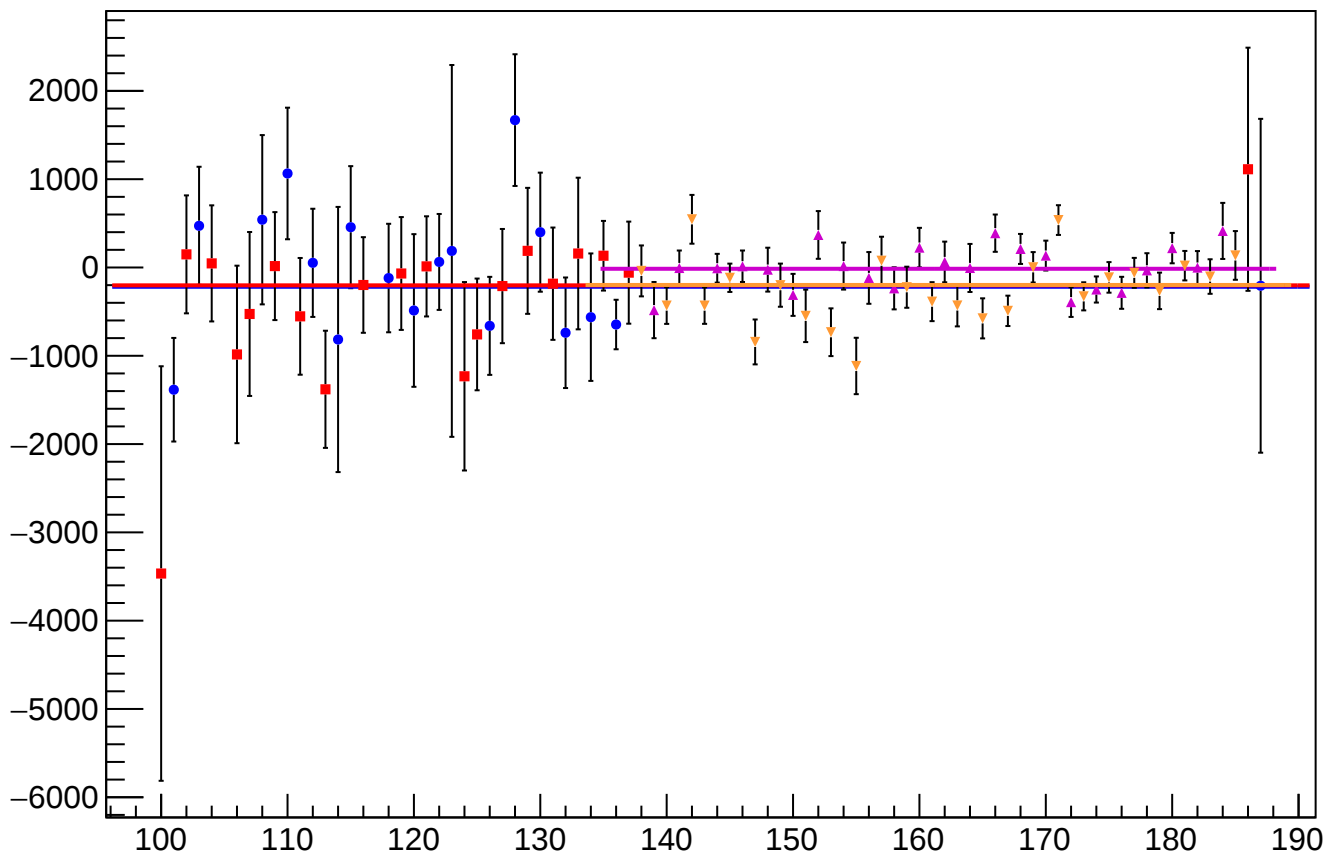
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF: 1372131.7/22

+ sign 187.447 $\pm$ 0.028 χ^2 /NDF: 5740324.2/42

All: 188.293 $\pm$ 0.020 χ^2 /NDF: 12122450.0/85

- sign 189.179 $\pm$ 0.029 χ^2 /NDF: 6380274.3/42

asym_sam_1357_2468_dd_mean vs Slug



Right In: -218.401 $\pm$ 148.171 χ^2 /NDF: 21.5/17

Left Out: -197.918 $\pm$ 41.638 χ^2 /NDF: 64.3/24

Right Out: -202.186 $\pm$ 149.746 χ^2 /NDF: 10.7/19

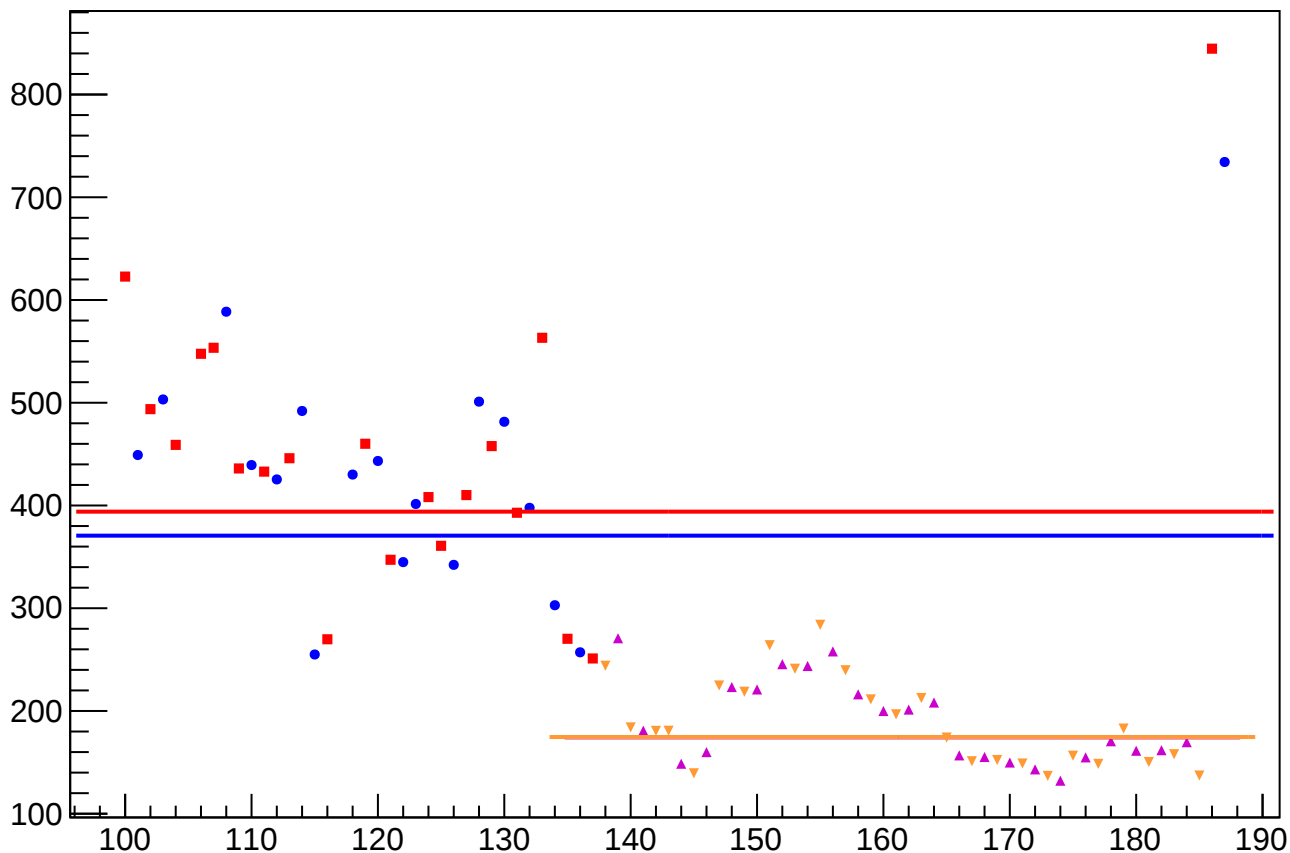
Left In: -14.616 $\pm$ 42.629 χ^2 /NDF: 27.7/22

+ sign -199.417 $\pm$ 40.085 χ^2 /NDF: 85.8/42

All: -115.973 $\pm$ 28.663 χ^2 /NDF: 134.5/85

- sign -28.677 $\pm$ 41.000 χ^2 /NDF: 39.9/42

asym_sam_1357_2468_dd_rms vs Slug



Right In: 370.640 $\pm$ 0.105 χ^2 /NDF: 901435.6/17

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF: 1531999.5/24

Right Out: 394.004 $\pm$ 0.106 χ^2 /NDF: 991868.7/19

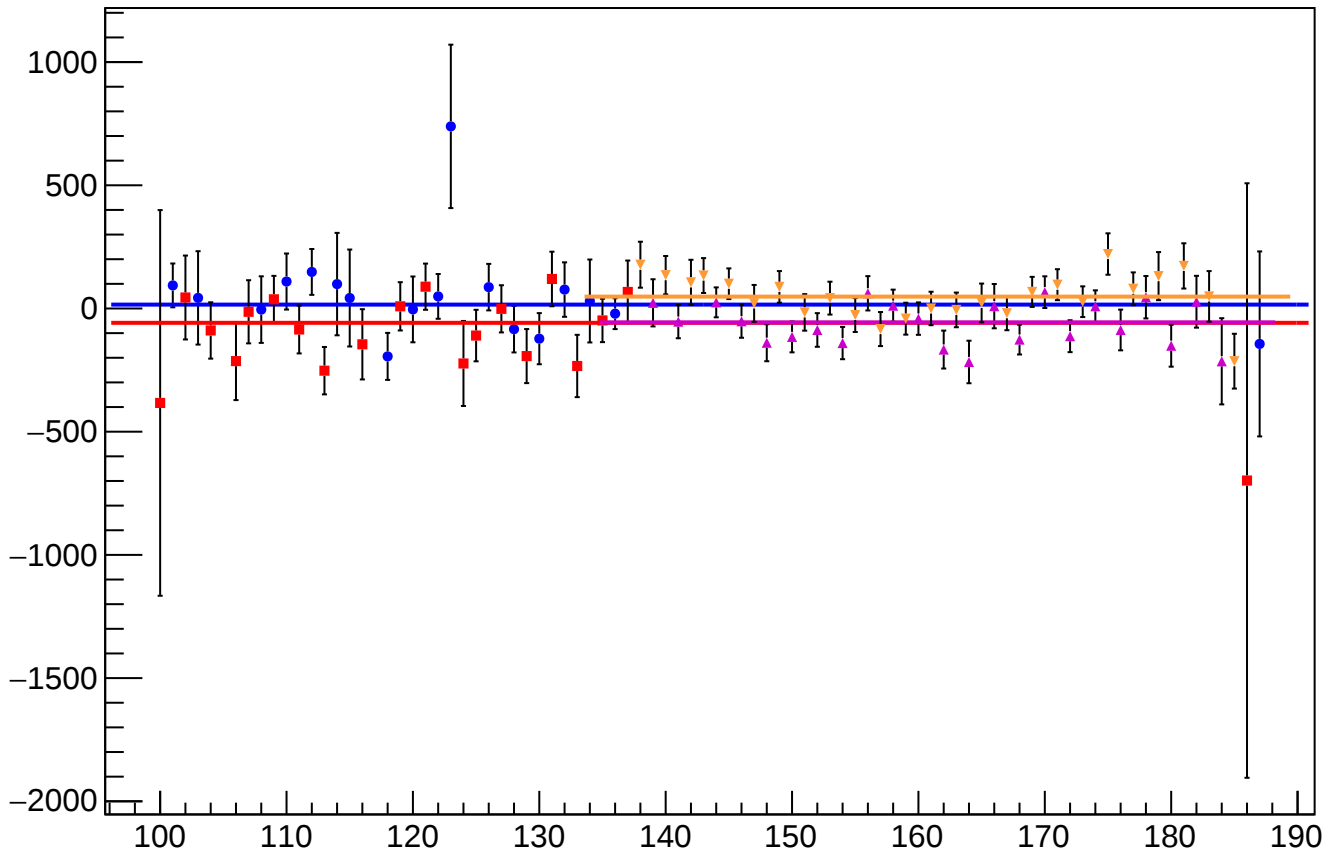
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF: 1344779.5/22

+ sign 188.992 $\pm$ 0.028 χ^2 /NDF: 5676603.5/42

All: 189.856 $\pm$ 0.020 χ^2 /NDF: 11998047.1/85

- sign 190.759 $\pm$ 0.029 χ^2 /NDF: 6319544.3/42

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 15.773 $\pm$ 26.312 χ^2 /NDF: 17.8/17

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF:29.3/24

Right Out: -58.141 $\pm$ 26.190 χ^2 /NDF: 18.9/19

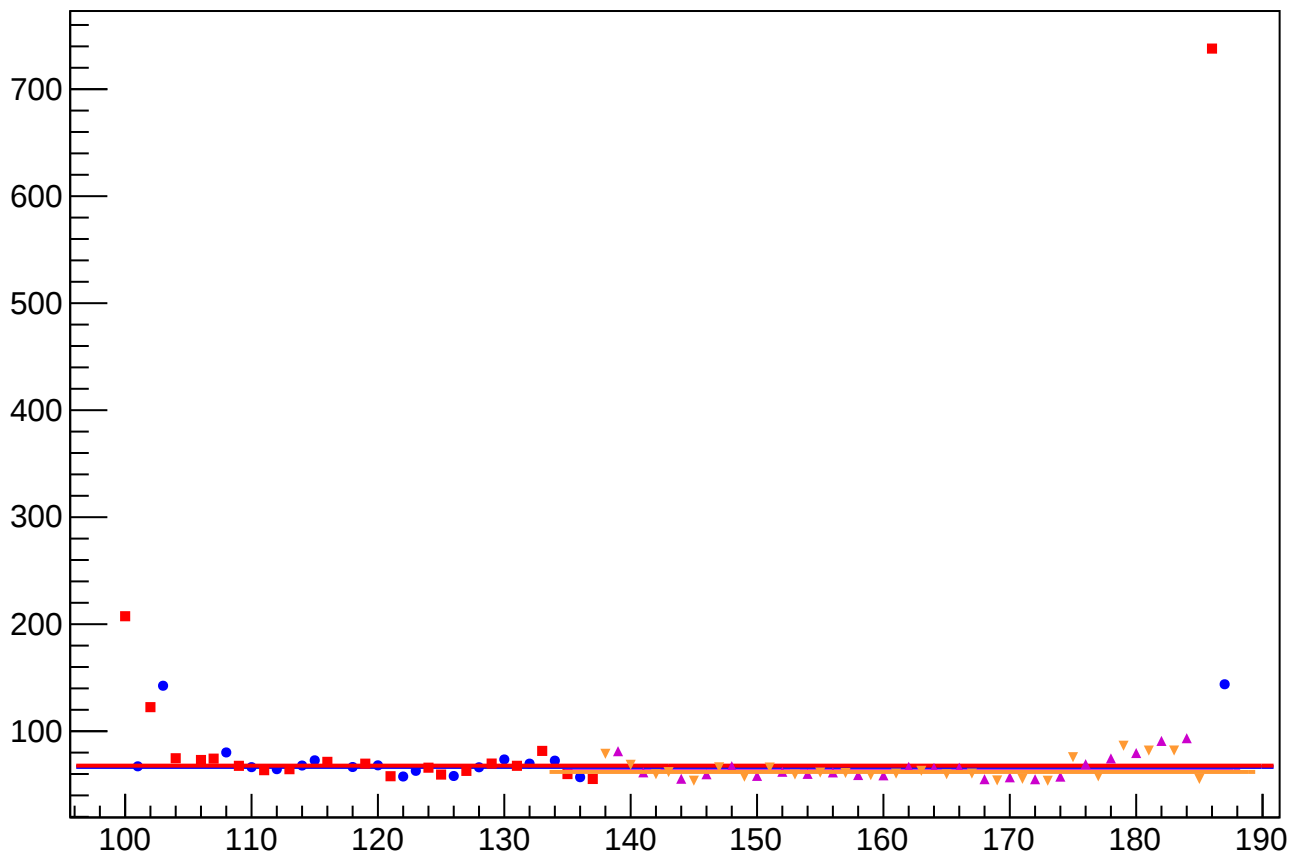
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF:27.5/22

+ sign 40.579 $\pm$ 12.777 χ^2 /NDF: 48.2/42

All: -6.785 $\pm$ 9.158 χ^2 /NDF: 122.9/85

- sign -56.840 $\pm$ 13.135 χ^2 /NDF: 46.4/42

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.634 $\pm$ 0.019 χ^2 /NDF: 524716.7/17

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 67.809 $\pm$ 0.019 χ^2 /NDF: 1009744.1/19

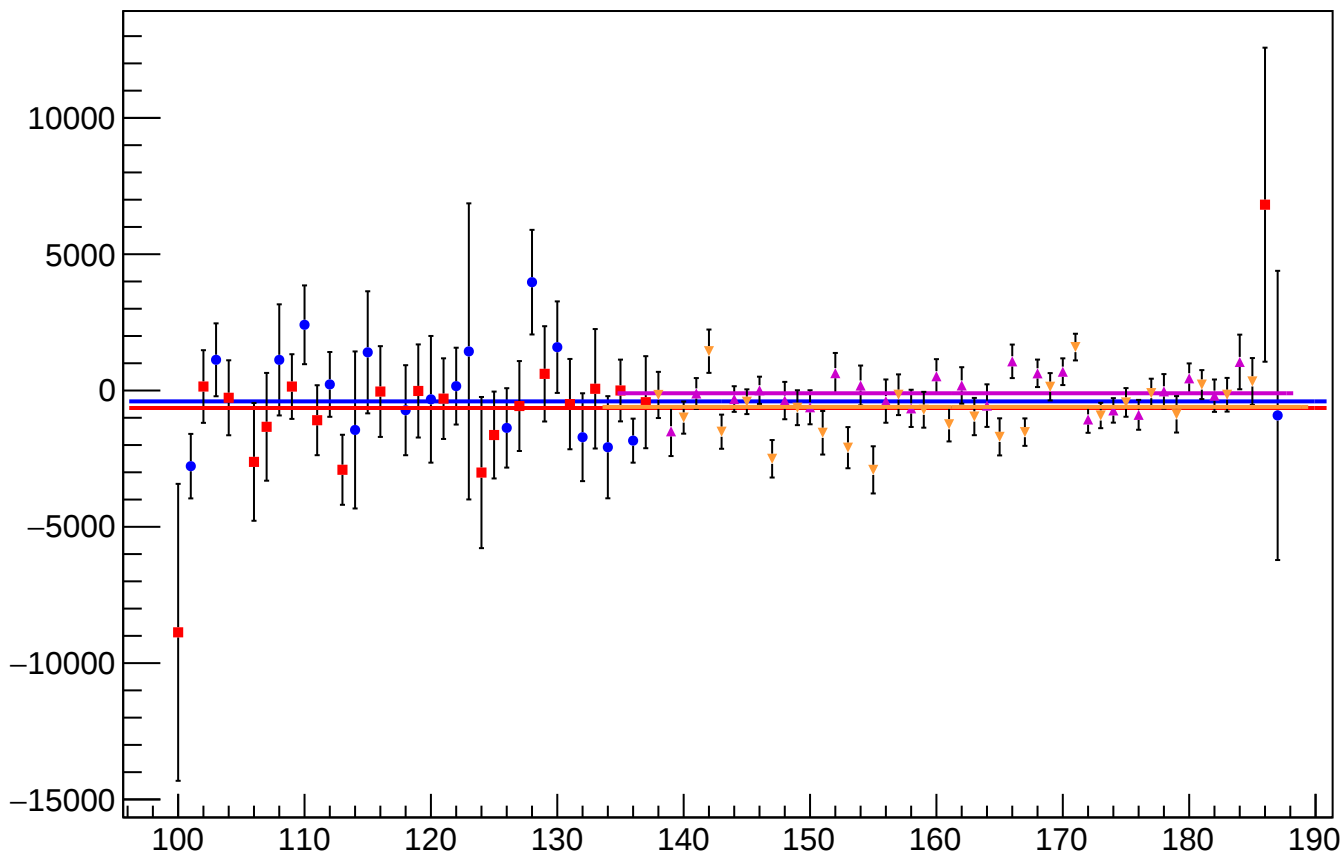
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 63.052 $\pm$ 0.009 χ^2 /NDF: 1178211.4/42

All: 63.472 $\pm$ 0.006 χ^2 /NDF: 2826977.0/85

- sign 63.916 $\pm$ 0.009 χ^2 /NDF: 1644321.2/42

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -398.172+/-366.418 χ^2/NDF : 22.7/17

Left Out: -601.486+/-122.119 χ^2/NDF : 65.4/24

Right Out: -640.897+/-361.975 χ^2/NDF : 11.4/19

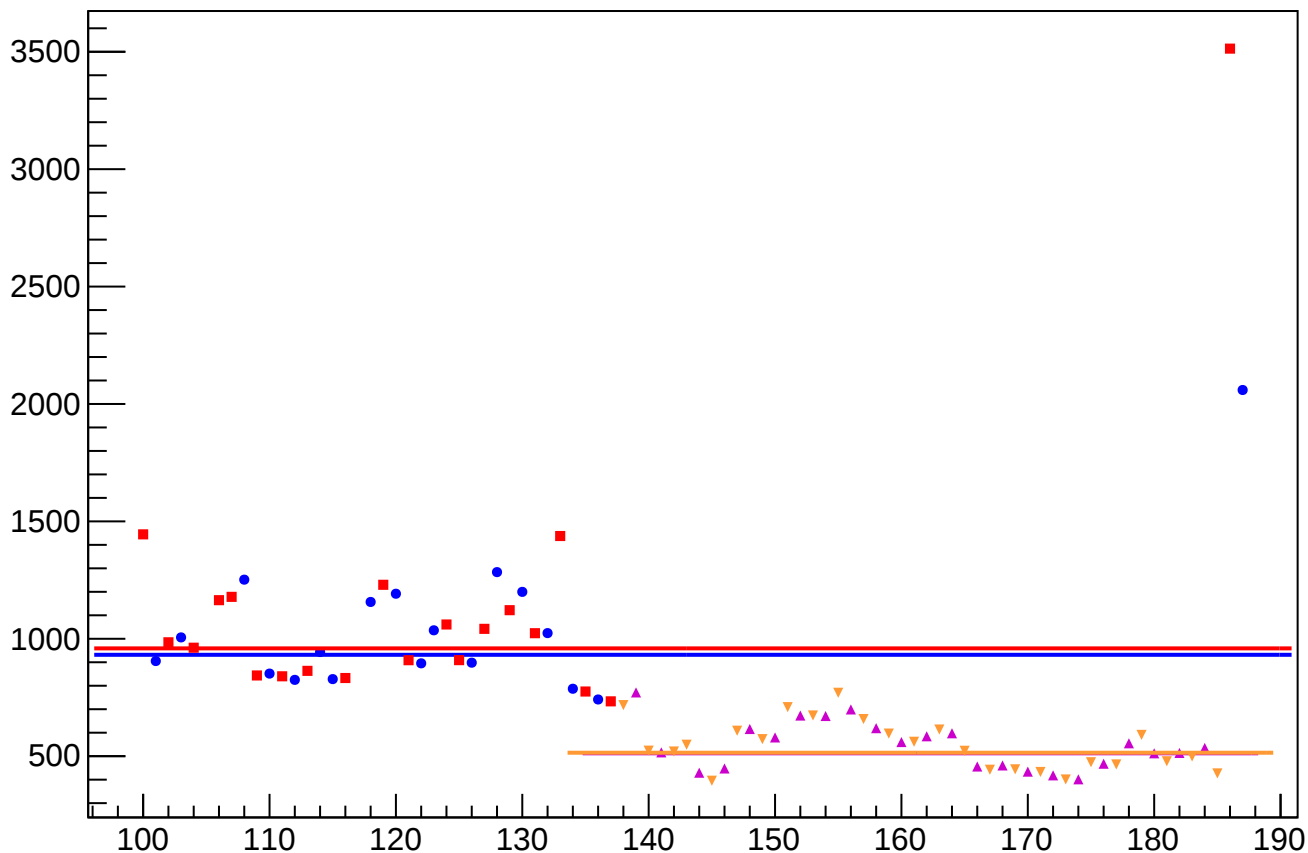
Left In: -100.548+/-124.725 χ^2/NDF : 25.5/22

+ sign -581.161+/-115.854 χ^2/NDF : 88.4/42

All: -373.269+/-82.642 χ^2/NDF : 133.8/85

- sign -157.893+/-117.921 χ^2/NDF : 38.9/42

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 931.747+/-0.259 χ^2/NDF : 486660.3/17

Left Out: 514.758+/-0.086 χ^2/NDF : 1194945.9/24

Right Out: 959.108+/-0.256 χ^2/NDF : 777784.7/19

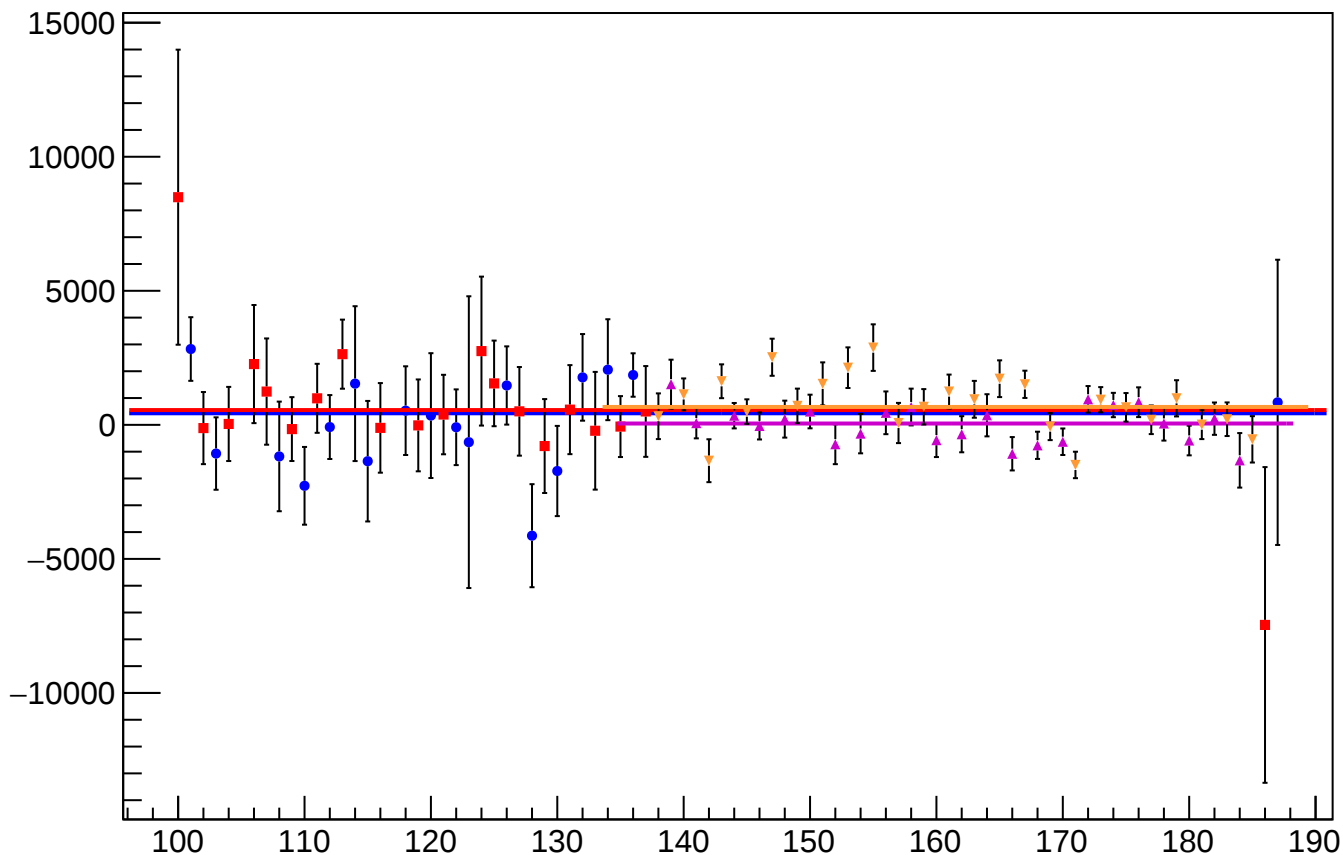
Left In: 512.199+/-0.088 χ^2/NDF : 1041302.8/22

+ sign 556.444+/-0.082 χ^2/NDF : 4012819.7/42

All: 558.008+/-0.058 χ^2/NDF : 8557769.6/85

- sign 559.628+/-0.083 χ^2/NDF : 4544207.8/42

asym_sam_12345678_avg_mean vs Slug



Right In: 431.301 $\pm$ 367.668 χ^2 /NDF: 22.9/17

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF:61.5/24

Right Out: 551.523 $\pm$ 363.444 χ^2 /NDF: 10.4/19

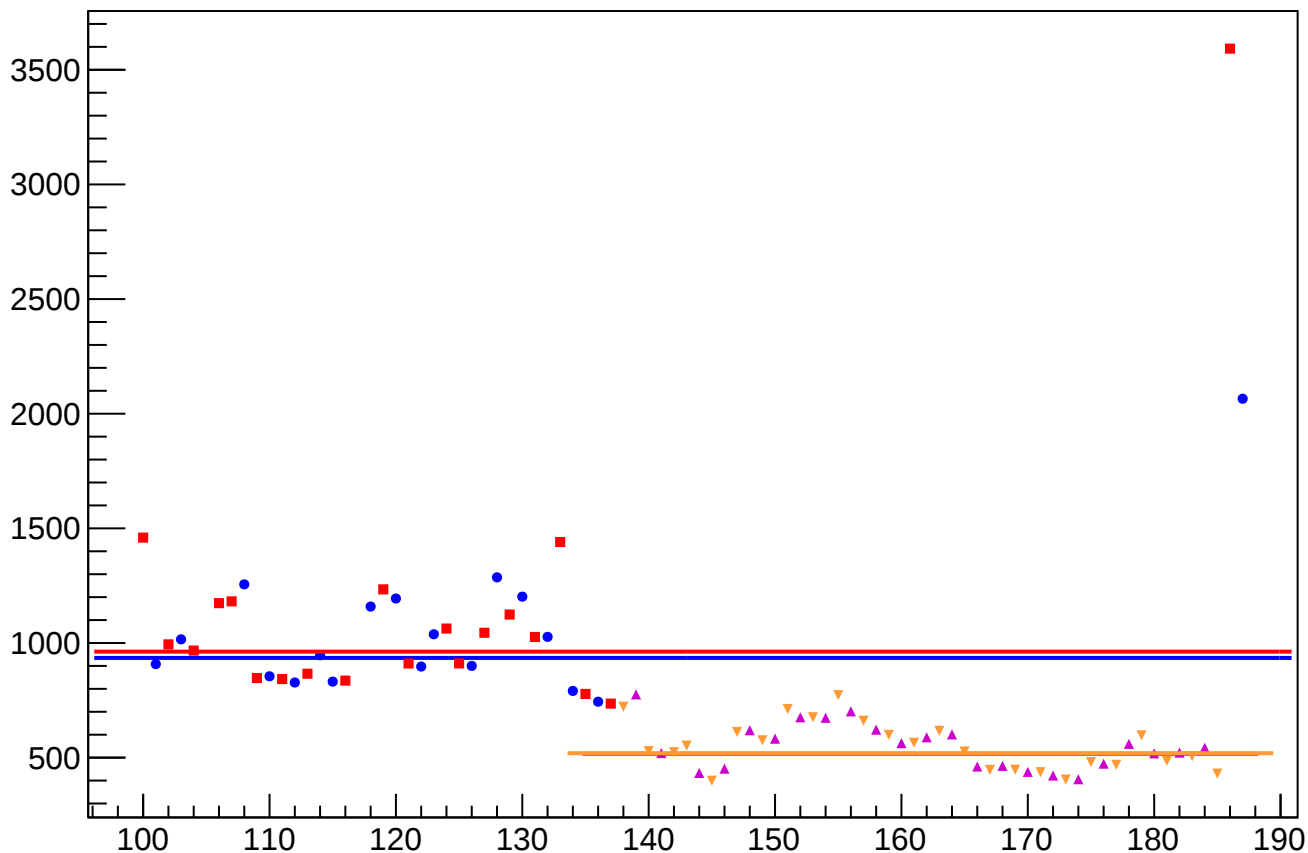
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF:26.1/22

+ sign 643.787 $\pm$ 116.770 χ^2 /NDF: 84.8/42

All: 378.604 $\pm$ 83.306 χ^2 /NDF: 133.5/85

- sign 103.732 $\pm$ 118.884 χ^2 /NDF: 38.2/42

asym_sam_12345678_avg_rms vs Slug



Right In: 934.974 ± 0.260 χ^2/NDF : 485644.4/17

Left Out: 519.254 ± 0.087 χ^2/NDF : 1172411.1/24

Right Out: 962.342 ± 0.257 χ^2/NDF : 783756.2/19

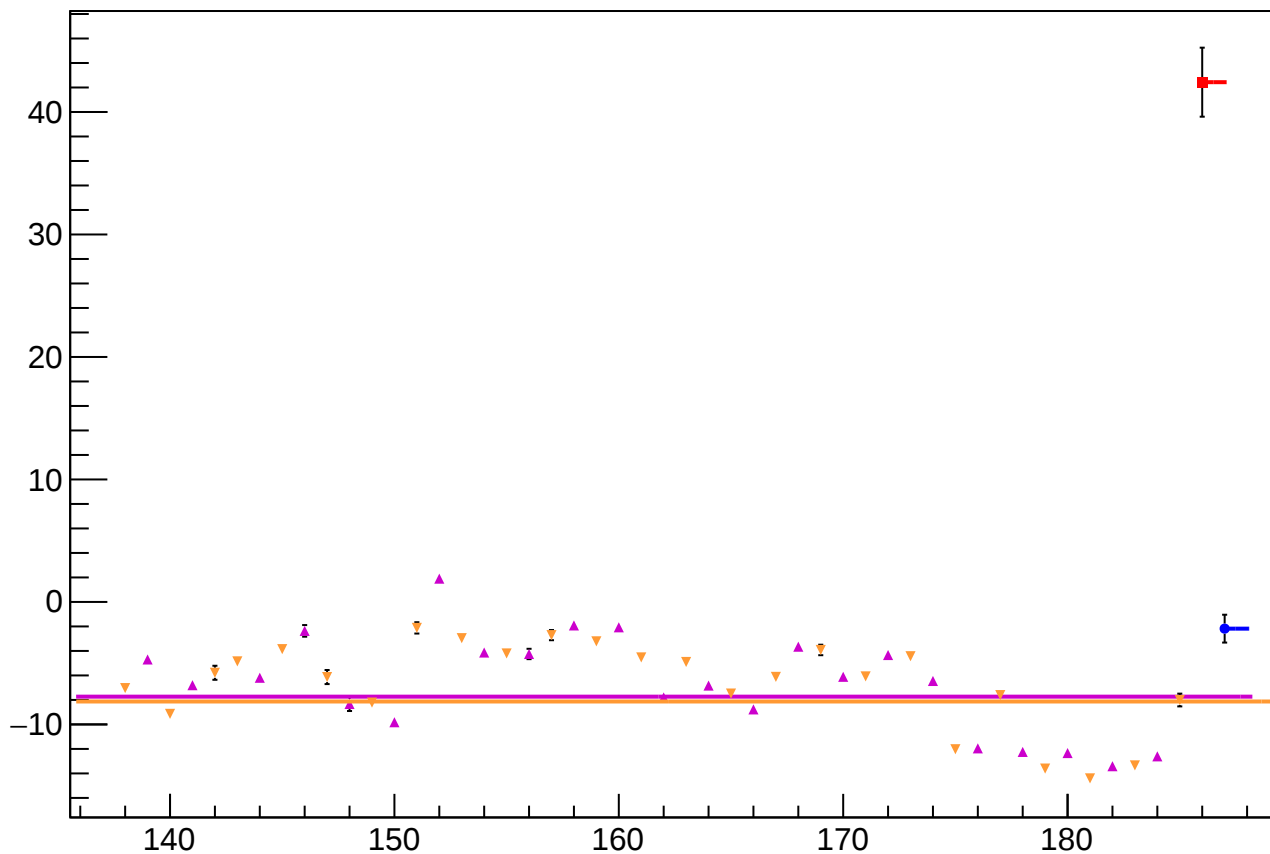
Left In: 516.792 ± 0.089 χ^2/NDF : 1021374.1/22

+ sign 561.186 ± 0.083 χ^2/NDF : 3957085.2/42

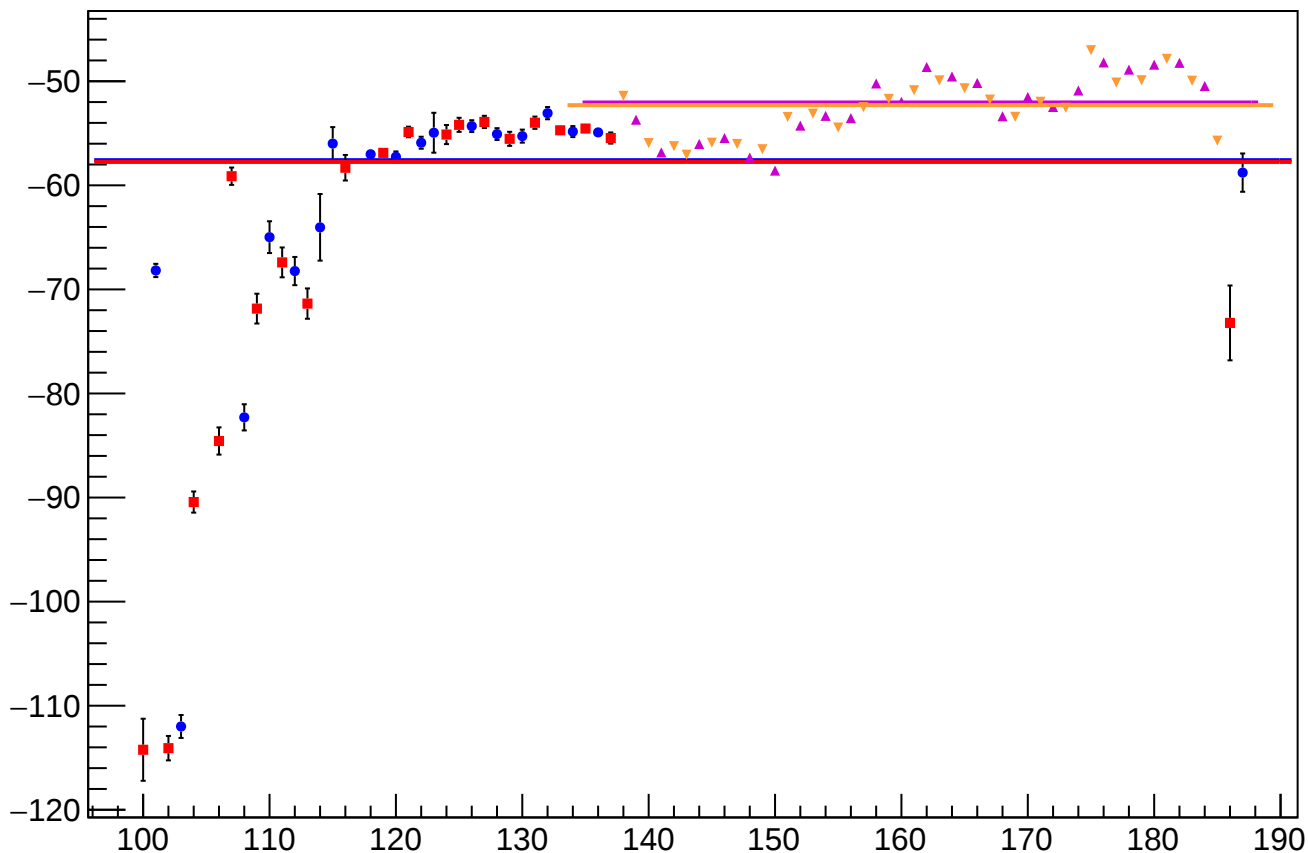
All: 562.796 ± 0.059 χ^2/NDF : 8447100.9/85

- sign 564.465 ± 0.084 χ^2/NDF : 4489241.7/42

reg_asym_sam1_diff_bpm1X_slope vs Slug



reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3458.6/17

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -57.753 ± 0.143 χ^2/NDF : 4719.1/19

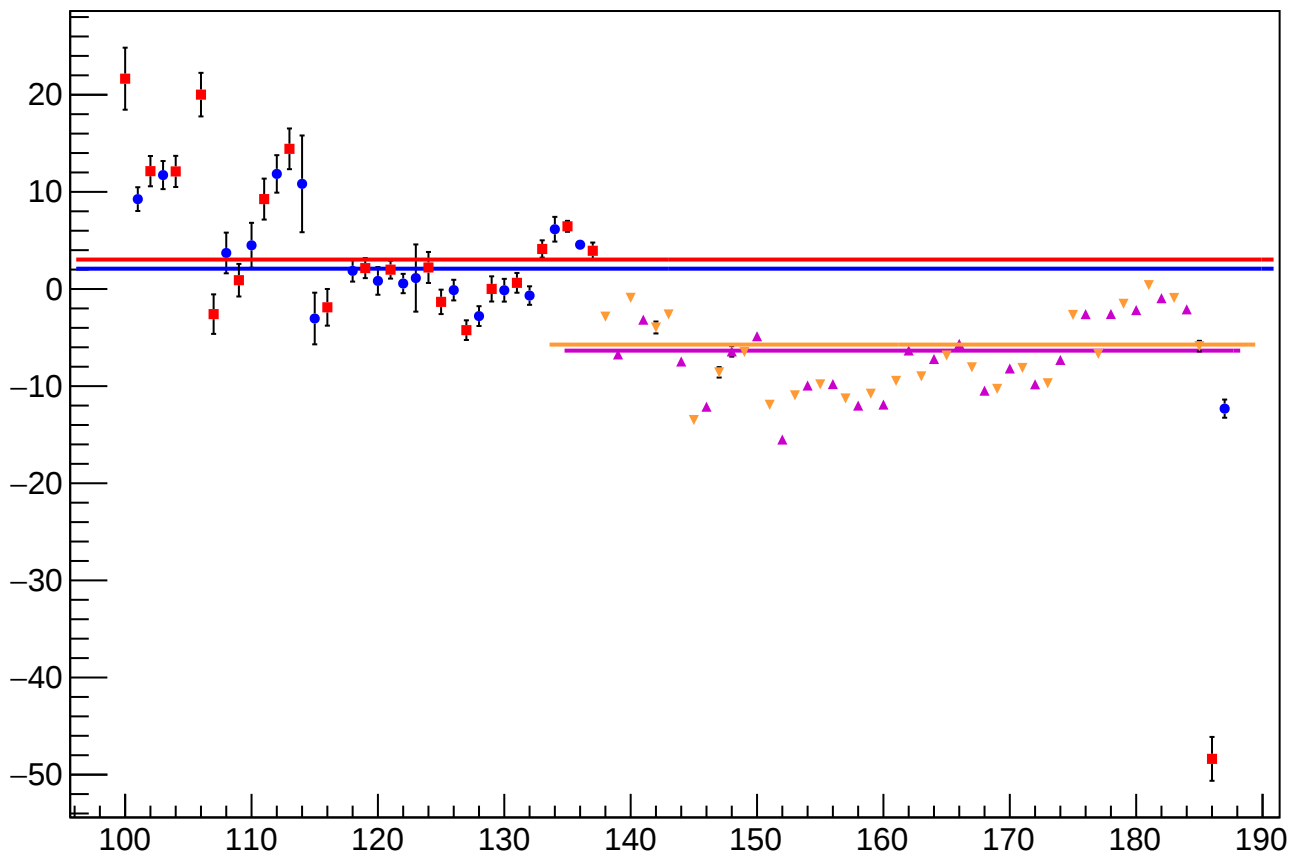
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -52.981 ± 0.051 χ^2/NDF : 7308.8/42

All: -52.905 ± 0.037 χ^2/NDF : 16588.8/85

- sign -52.825 ± 0.053 χ^2/NDF : 9275.4/42

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 2.092 ± 0.250 χ^2/NDF : 440.5/17

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: 3.034 ± 0.266 χ^2/NDF : 846.2/19

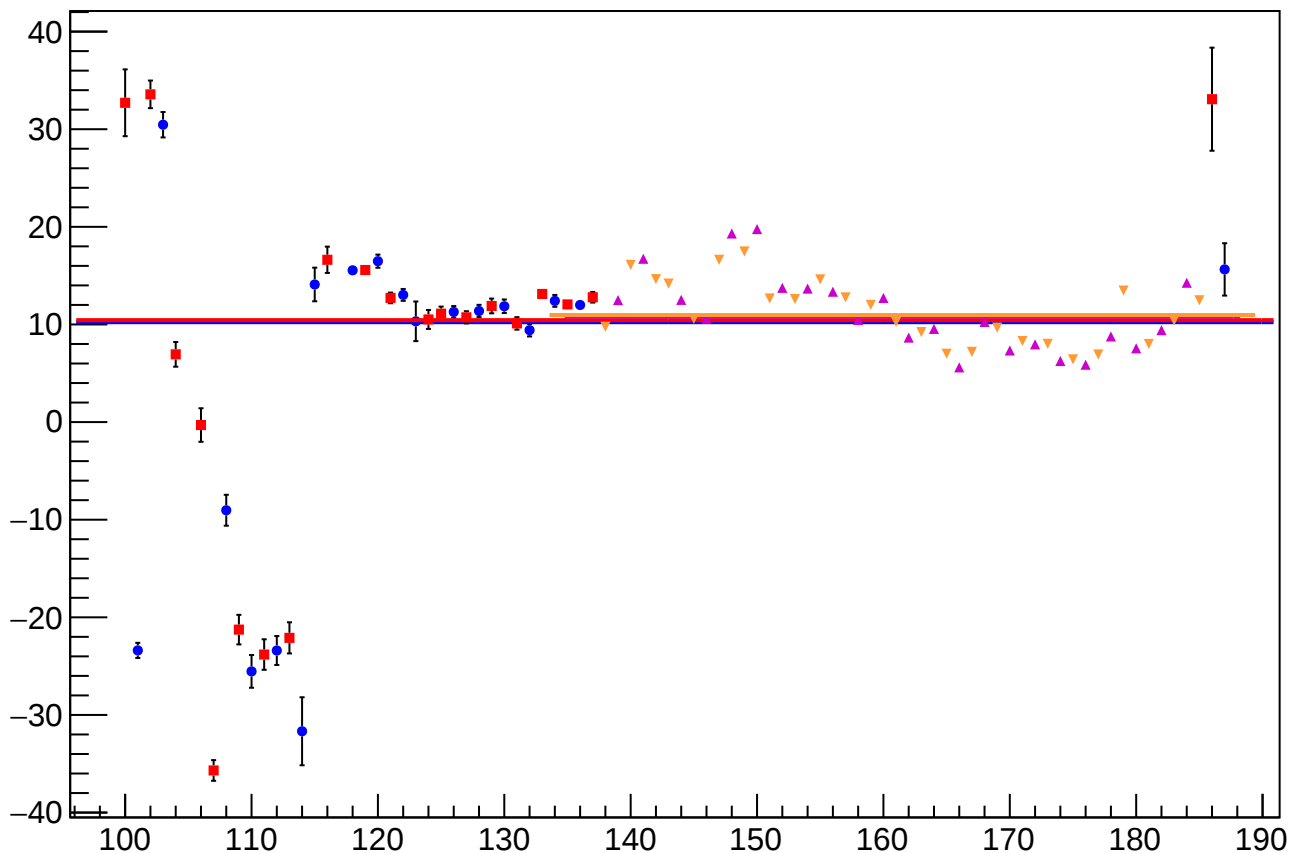
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.189 ± 0.065 χ^2/NDF : 5334.9/42

All: -5.469 ± 0.047 χ^2/NDF : 10766.5/85

- sign -5.759 ± 0.066 χ^2/NDF : 5394.1/42

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.232 $\pm$ 0.158 χ^2 /NDF: 3684.1/17

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 10.443 $\pm$ 0.160 χ^2 /NDF: 3844.6/19

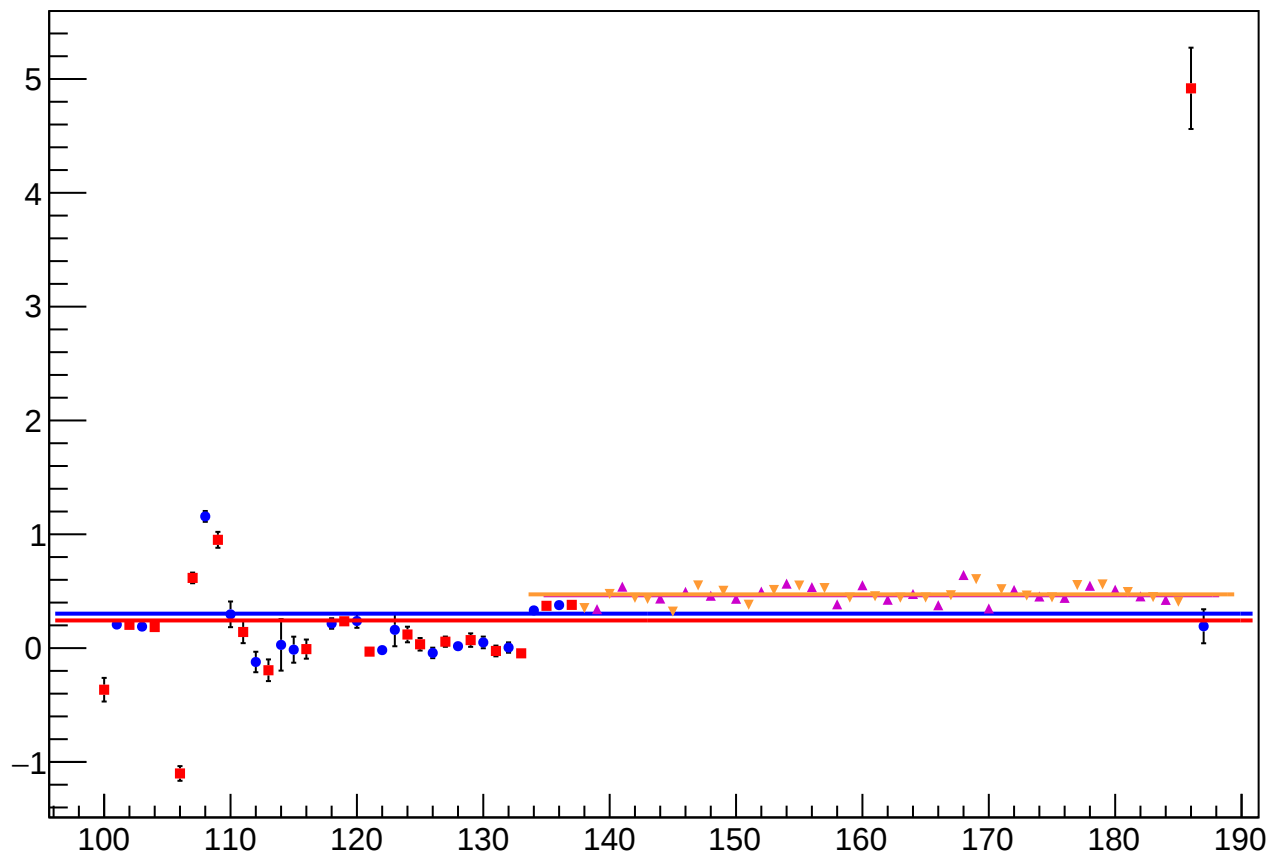
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 10.871 $\pm$ 0.057 χ^2 /NDF: 6340.6/42

All: 10.819 $\pm$ 0.041 χ^2 /NDF: 13738.4/85

- sign 10.763 $\pm$ 0.059 χ^2 /NDF: 7396.0/42

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 647.8/17

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.243 ± 0.009 χ^2/NDF : 1154.6/19

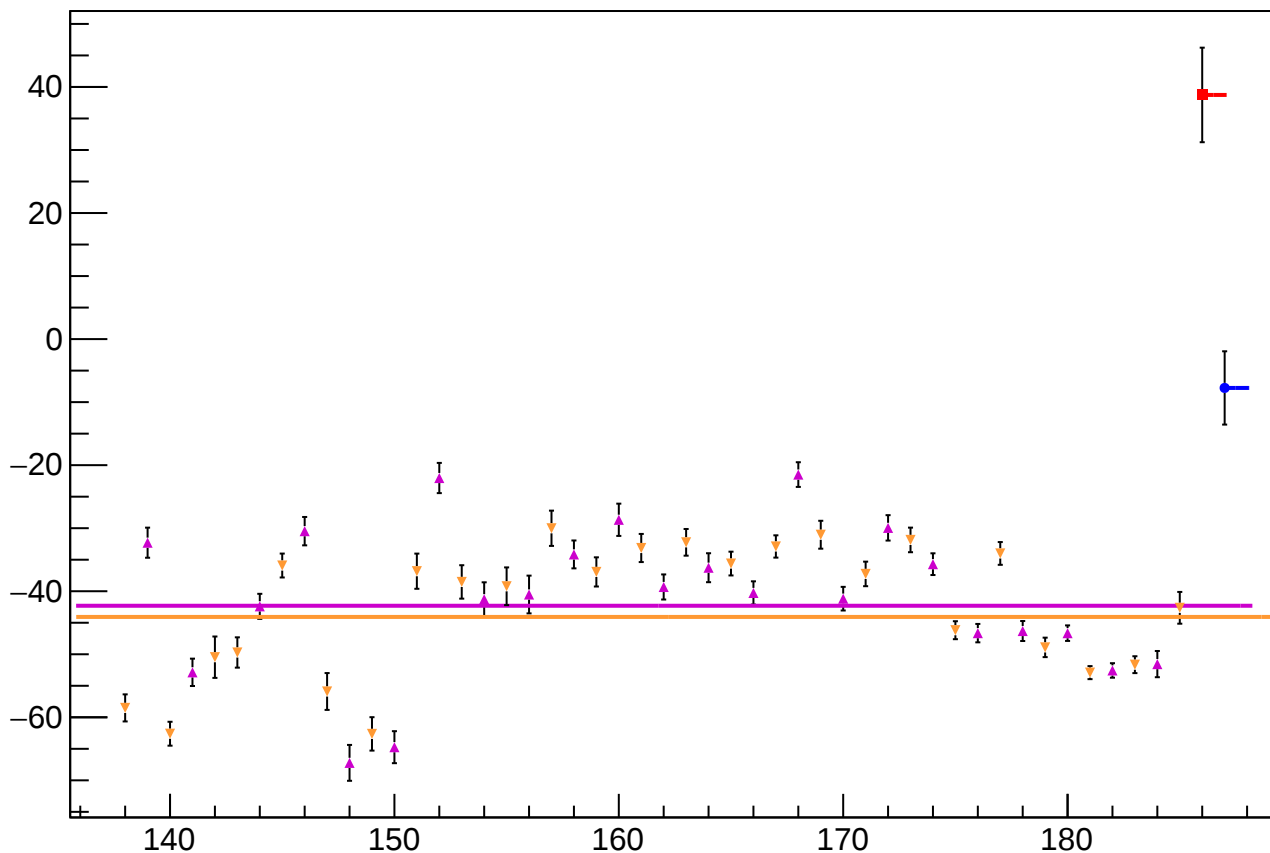
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.455 ± 0.003 χ^2/NDF : 1549.7/42

All: 0.449 ± 0.002 χ^2/NDF : 4055.0/85

- sign 0.443 ± 0.003 χ^2/NDF : 2494.9/42

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -7.749 ± 5.815 χ^2/NDF : 0.0/0

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: 38.733 ± 7.499 χ^2/NDF : 0.0/0

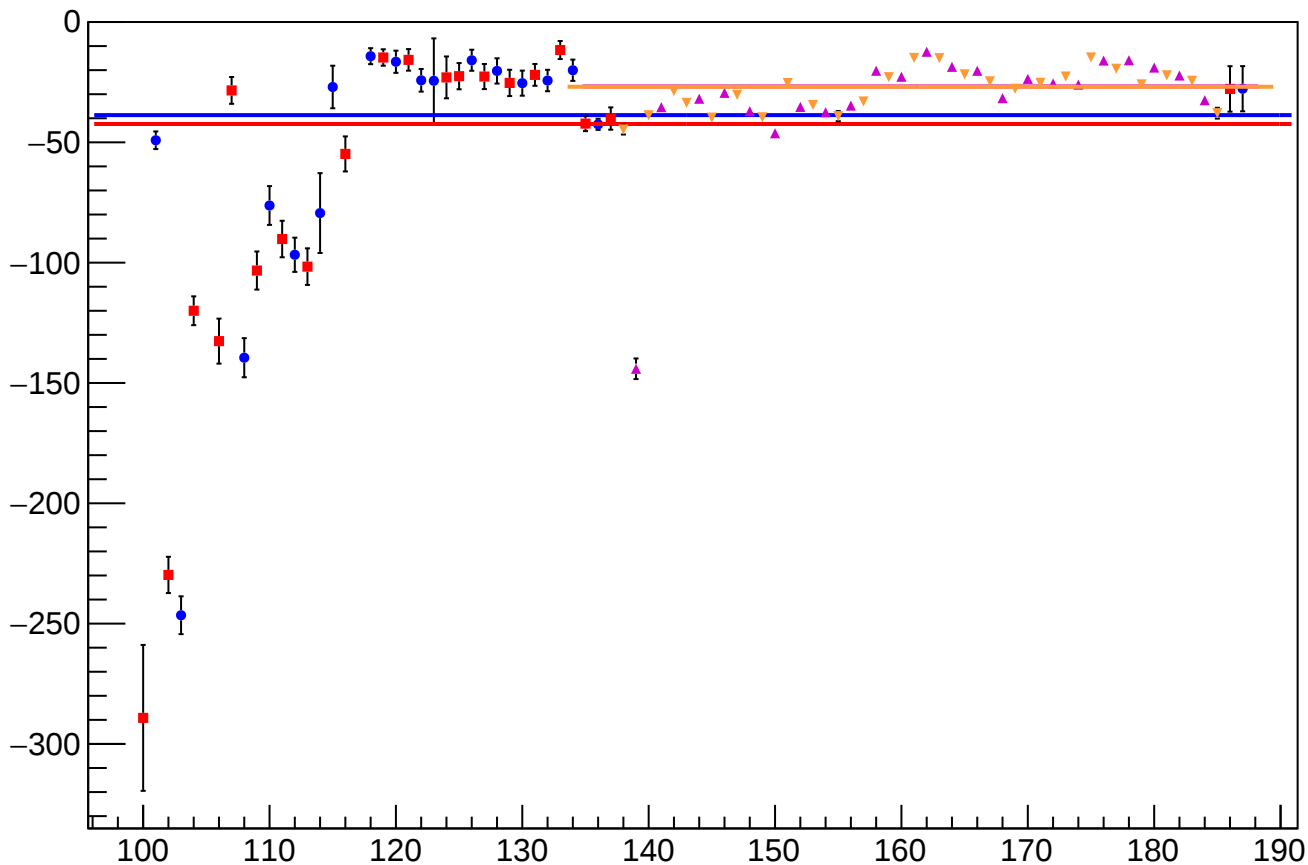
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.916 ± 0.388 χ^2/NDF : 671.4/25

All: -43.021 ± 0.278 χ^2/NDF : 1439.4/49

- sign -42.075 ± 0.399 χ^2/NDF : 757.1/23

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.687 ± 1.141 χ^2/NDF : 1123.1/17

Left Out: -26.902 ± 0.316 χ^2/NDF : 631.0/24

Right Out: -42.376 ± 1.202 χ^2/NDF : 1348.0/19

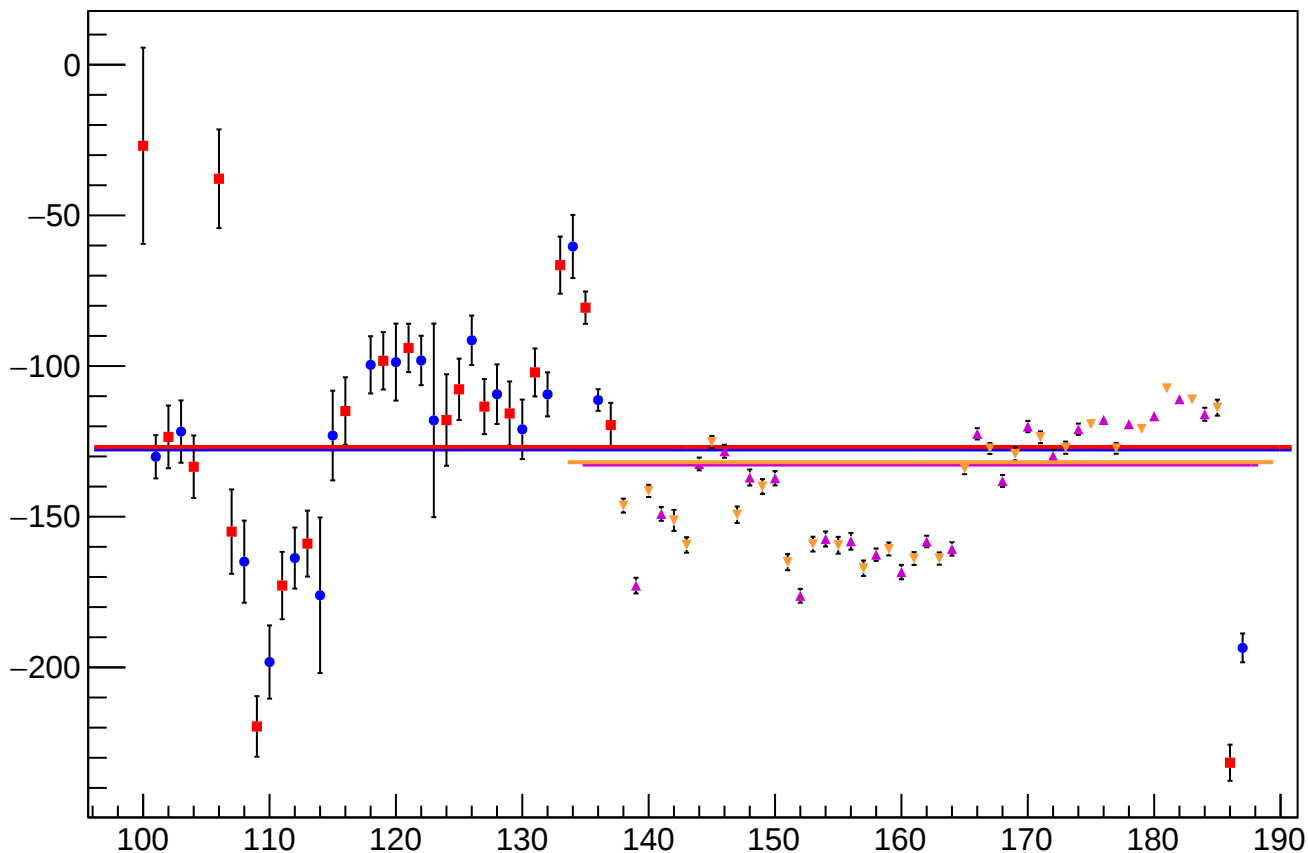
Left In: -26.774 ± 0.326 χ^2/NDF : 1394.5/22

+ sign -27.743 ± 0.305 χ^2/NDF : 1853.2/42

All: -27.792 ± 0.219 χ^2/NDF : 4752.7/85

- sign -27.844 ± 0.315 χ^2/NDF : 2899.5/42

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -127.683 ± 1.910 χ^2/NDF : 366.5/17

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -126.855 ± 2.076 χ^2/NDF : 619.2/19

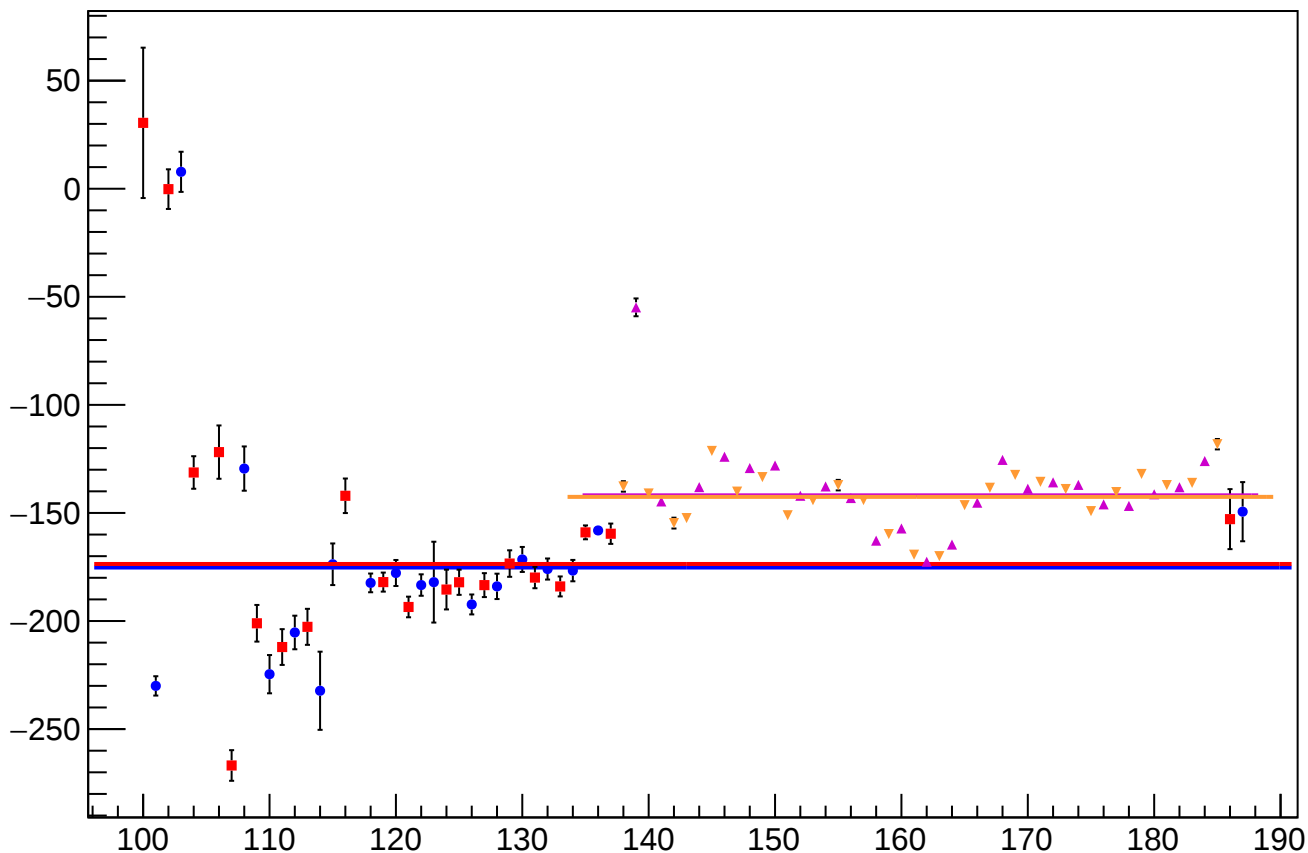
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -131.742 ± 0.383 χ^2/NDF : 2810.5/42

All: -132.103 ± 0.274 χ^2/NDF : 5919.4/85

- sign -132.481 ± 0.392 χ^2/NDF : 3107.1/42

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.250 ± 1.273 χ^2/NDF : 694.8/17

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -173.610 ± 1.352 χ^2/NDF : 740.2/19

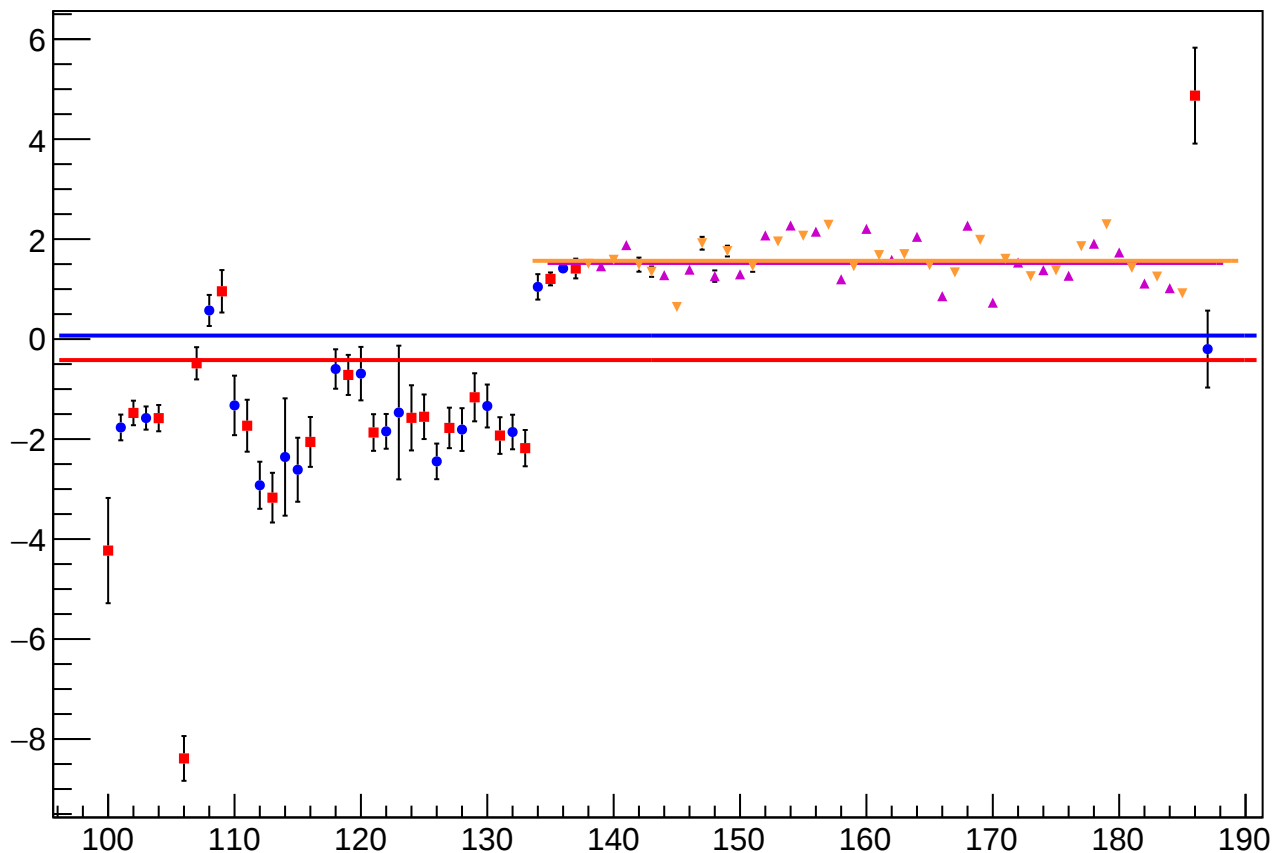
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -144.910 ± 0.341 χ^2/NDF : 2454.3/42

All: -144.468 ± 0.245 χ^2/NDF : 5256.3/85

- sign -143.999 ± 0.351 χ^2/NDF : 2798.6/42

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.071 ± 0.067 χ^2/NDF : 525.3/17

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.420 ± 0.071 χ^2/NDF : 781.3/19

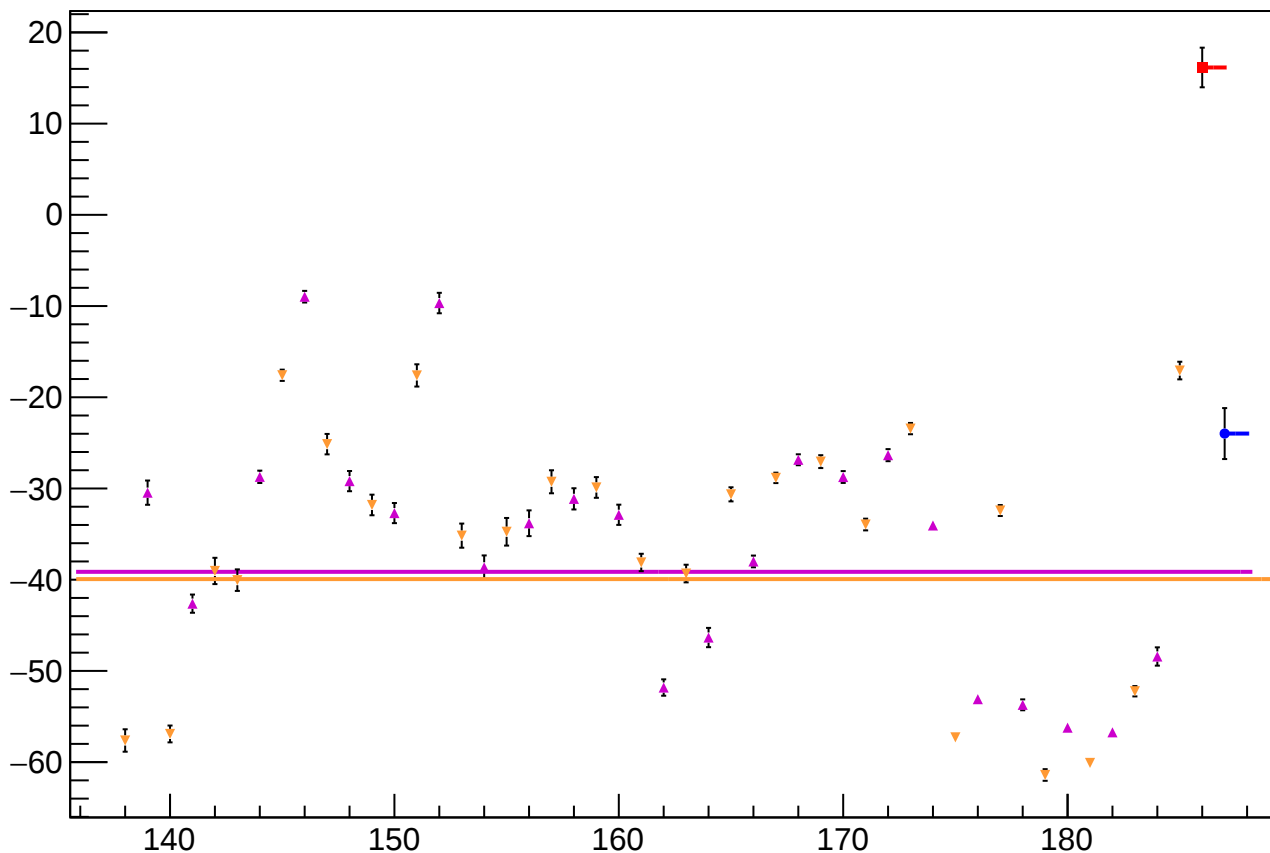
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.484 ± 0.016 χ^2/NDF : 1539.7/42

All: 1.454 ± 0.011 χ^2/NDF : 3772.9/85

- sign 1.424 ± 0.016 χ^2/NDF : 2226.1/42

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -23.980 $\pm$ 2.794 χ^2 /NDF: 0.0/0

Left Out: -39.935 $\pm$ 0.153 χ^2 /NDF:9806.5/24

Right Out: 16.154 $\pm$ 2.172 χ^2 /NDF: 0.0/0

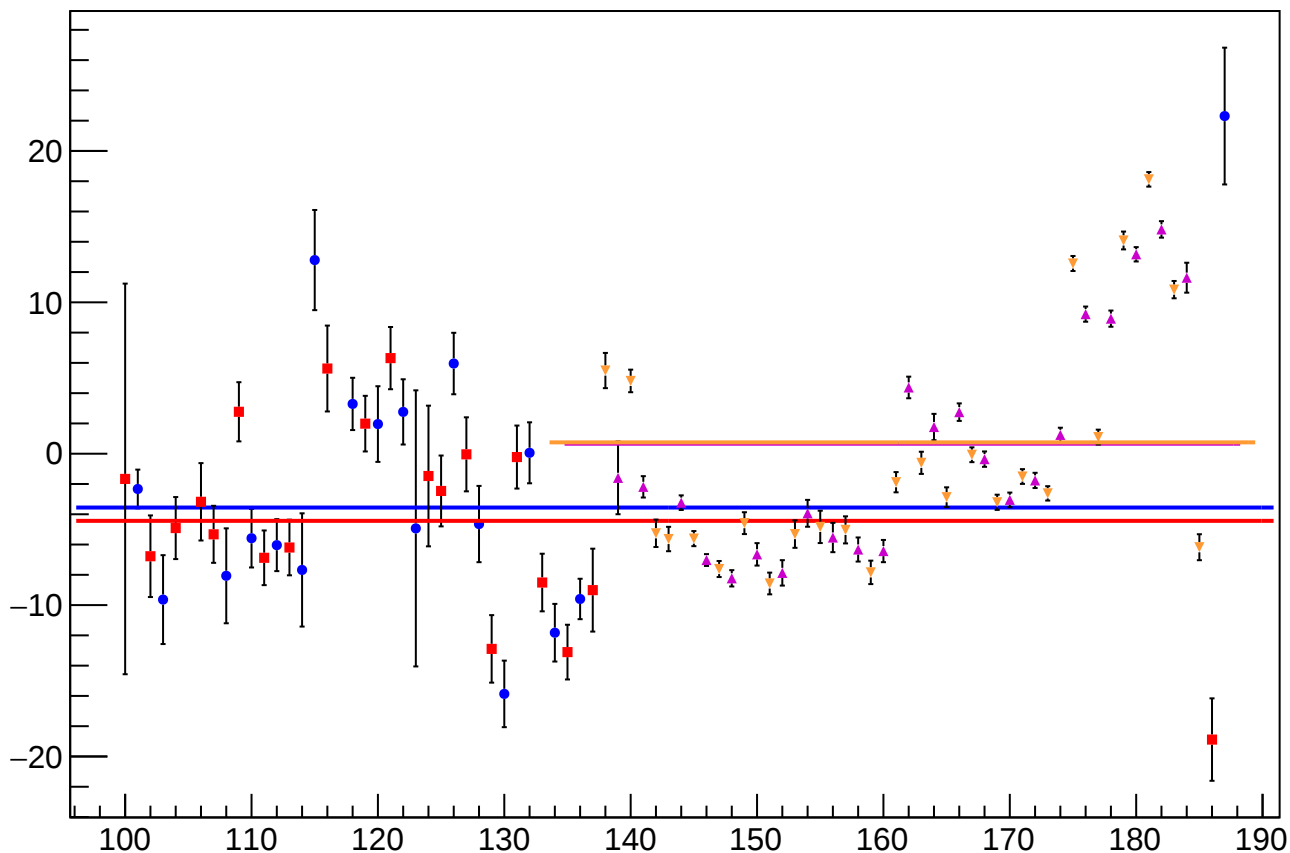
Left In: -39.137 $\pm$ 0.155 χ^2 /NDF:8534.5/22

+ sign -39.887 $\pm$ 0.153 χ^2 /NDF: 9839.0/25

All: -39.377 $\pm$ 0.109 χ^2 /NDF: 19040.6/49

- sign -38.858 $\pm$ 0.154 χ^2 /NDF: 9179.1/23

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.556 ± 0.496 χ^2/NDF : 194.1/17

Left Out: 0.749 ± 0.124 χ^2/NDF : 3970.9/24

Right Out: -4.435 ± 0.499 χ^2/NDF : 151.2/19

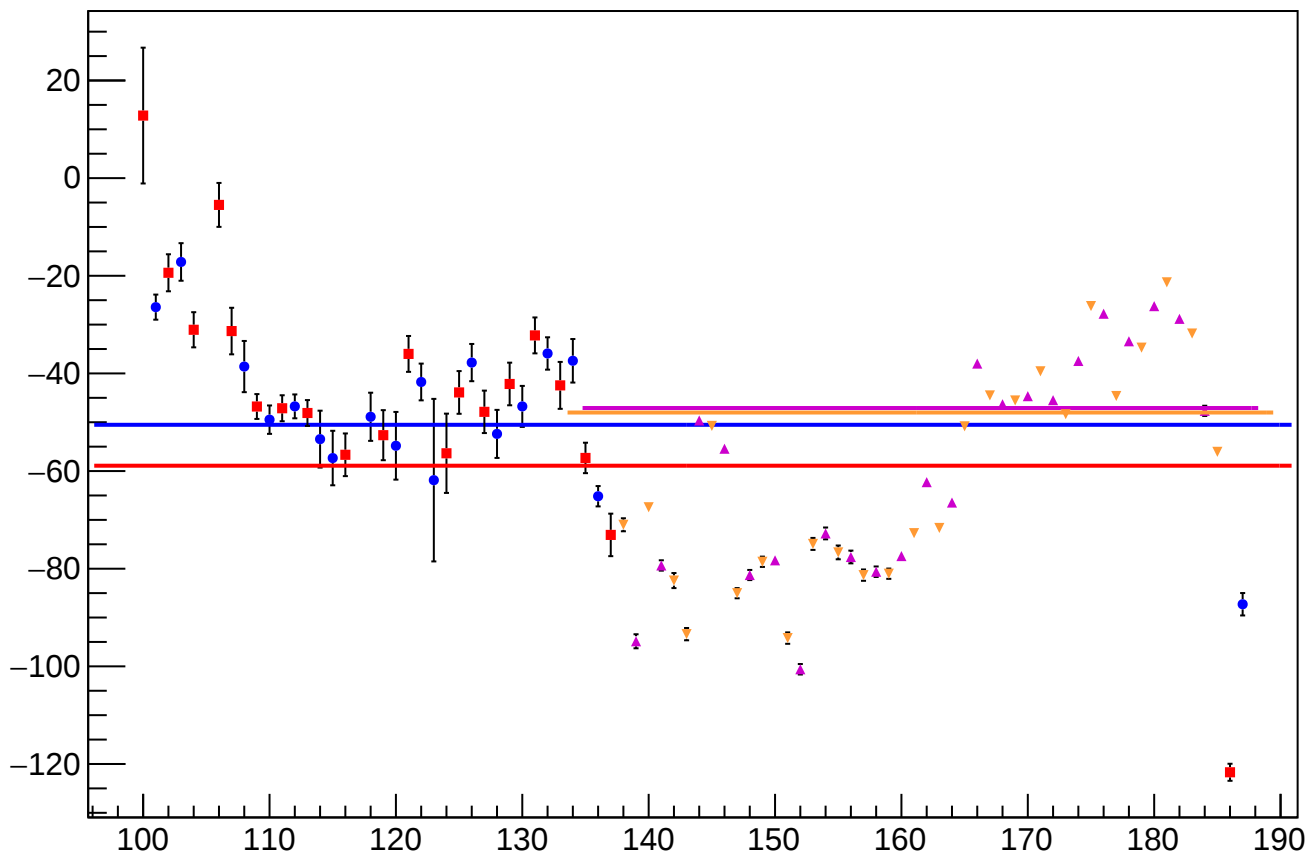
Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

+ sign 0.495 ± 0.120 χ^2/NDF : 4235.8/42

All: 0.429 ± 0.085 χ^2/NDF : 7823.6/85

- sign 0.362 ± 0.121 χ^2/NDF : 3587.2/42

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -50.524 ± 0.826 χ^2/NDF : 524.7/17

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -58.902 ± 0.785 χ^2/NDF : 1872.4/19

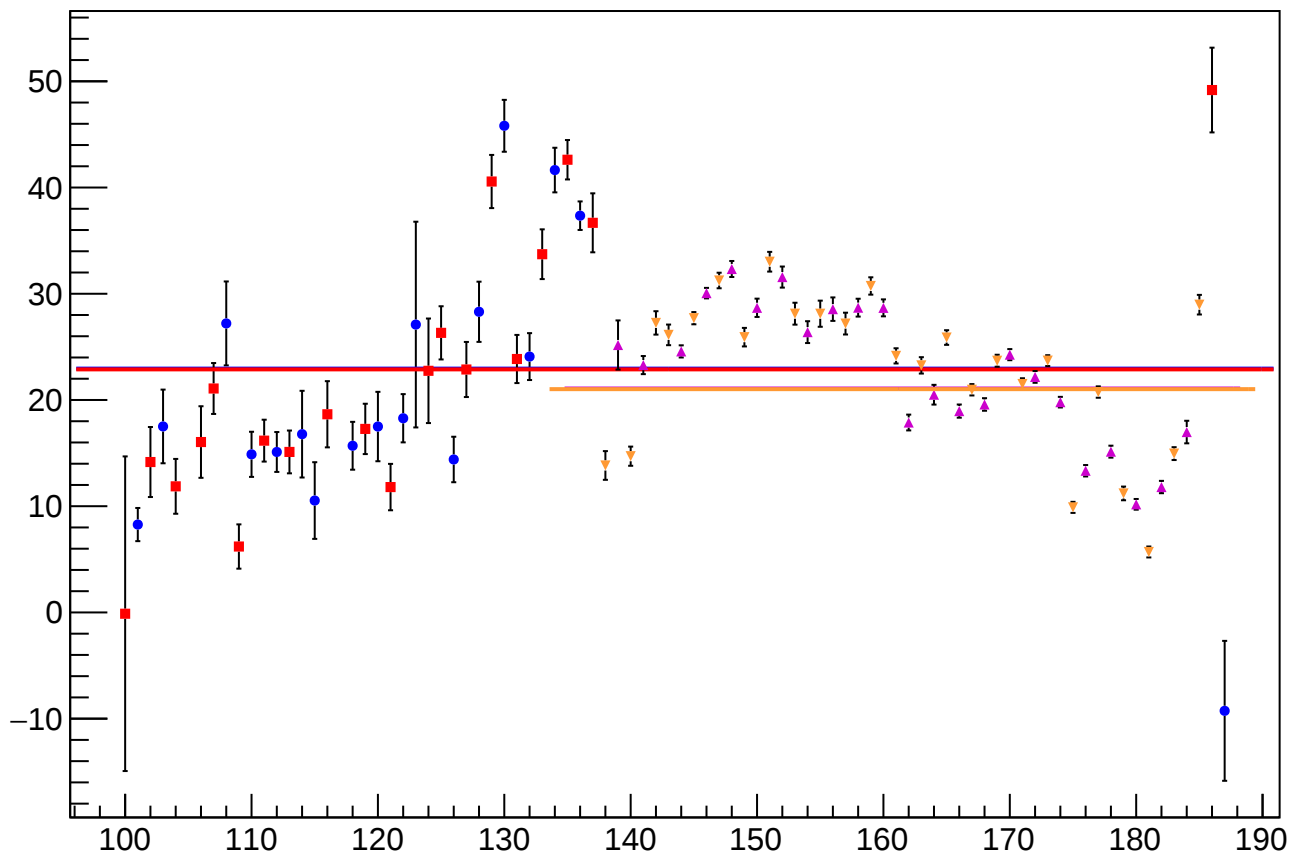
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.093 ± 0.152 χ^2/NDF : 17483.7/42

All: -47.812 ± 0.108 χ^2/NDF : 35096.1/85

- sign -47.530 ± 0.152 χ^2/NDF : 17605.6/42

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.952 $\pm$ 0.558 χ^2 /NDF: 481.0/17

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 22.881 $\pm$ 0.568 χ^2 /NDF: 410.7/19

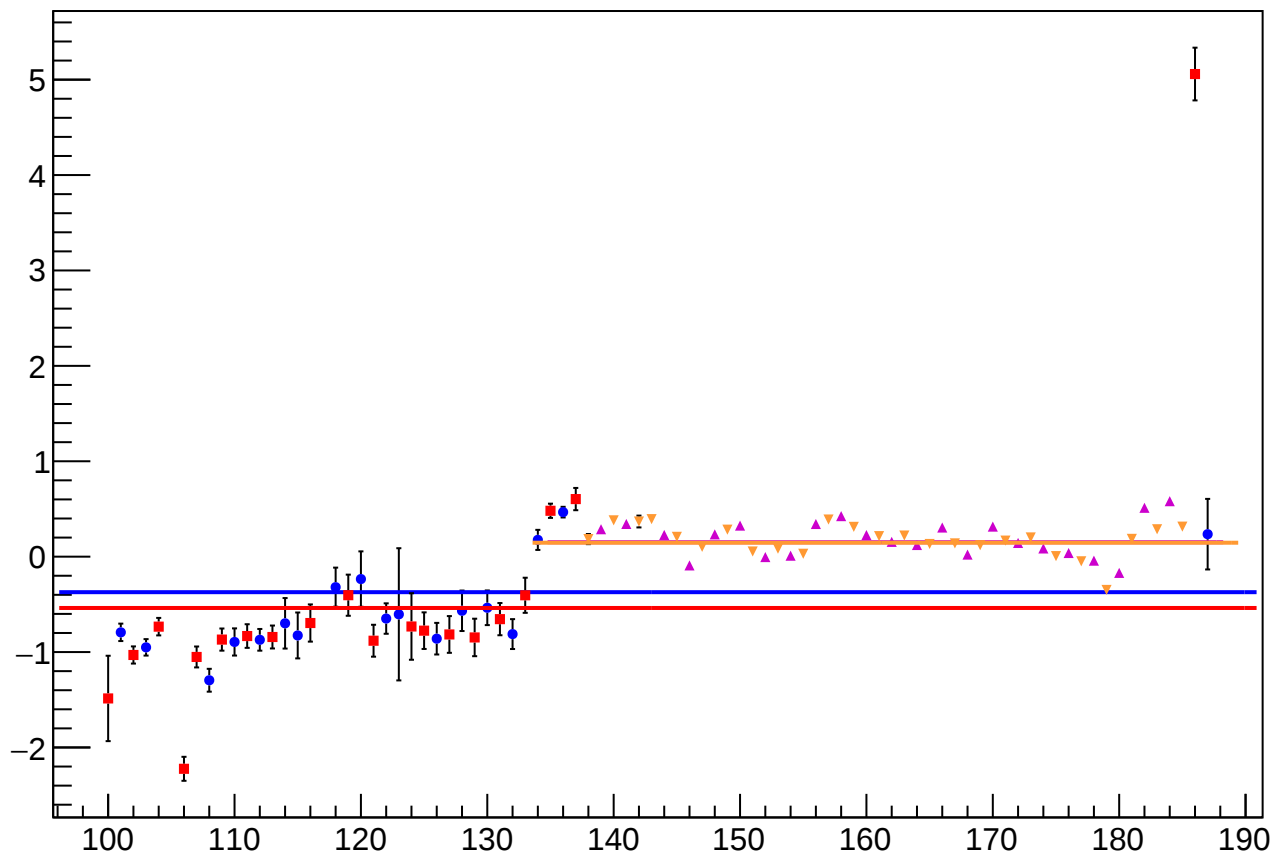
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.133 $\pm$ 0.135 χ^2 /NDF: 3291.6/42

All: 21.157 $\pm$ 0.096 χ^2 /NDF: 5885.1/85

- sign 21.182 $\pm$ 0.136 χ^2 /NDF: 2593.4/42

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.372 ± 0.030 χ^2/NDF : 440.3/17

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.538 ± 0.030 χ^2/NDF : 966.2/19

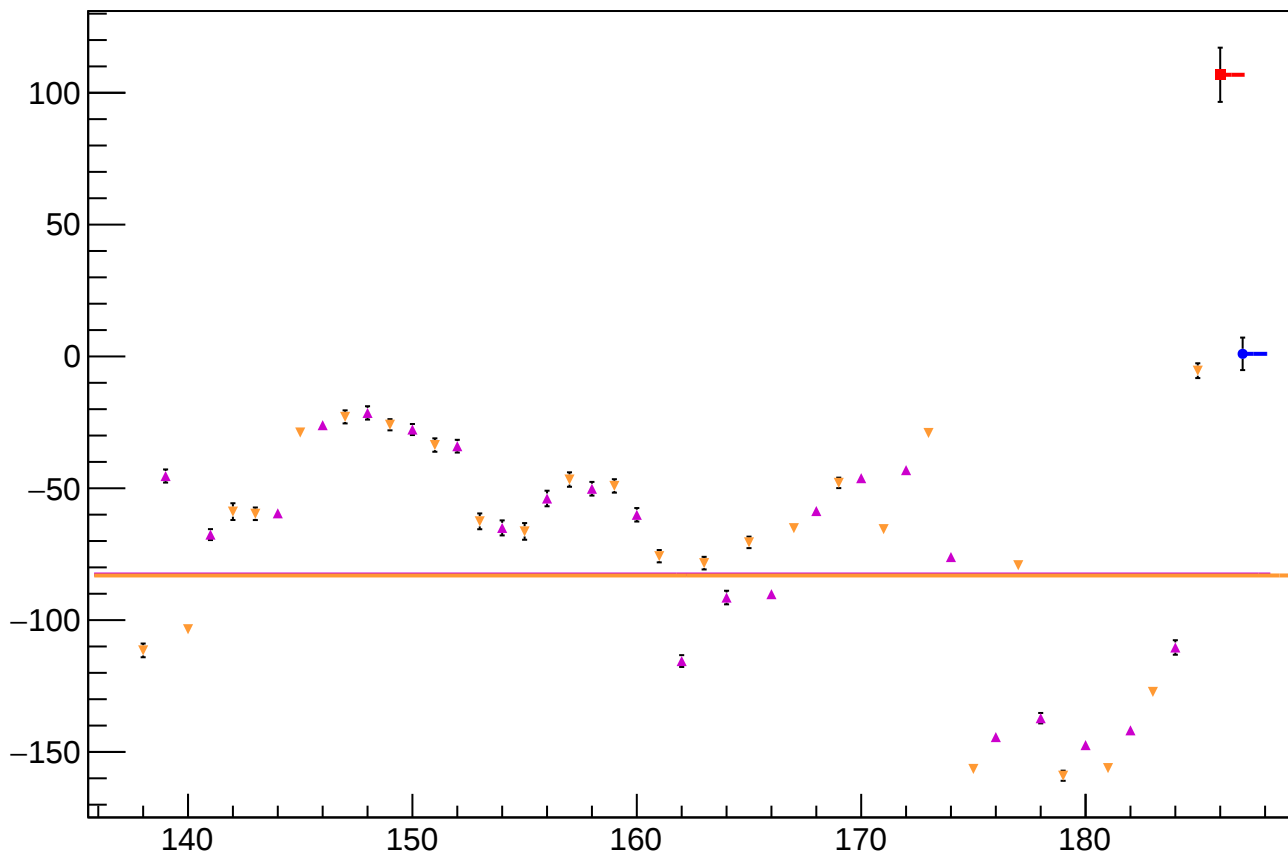
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.124 ± 0.006 χ^2/NDF : 1335.5/42

All: 0.123 ± 0.004 χ^2/NDF : 3673.6/85

- sign 0.121 ± 0.006 χ^2/NDF : 2338.0/42

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: 0.990+/-6.163 χ^2/NDF : 0.0/0

Left Out: -83.068+/-0.406 χ^2/NDF :13817.3/24

Right Out: 106.825+/-10.282 χ^2/NDF : 0.0/0

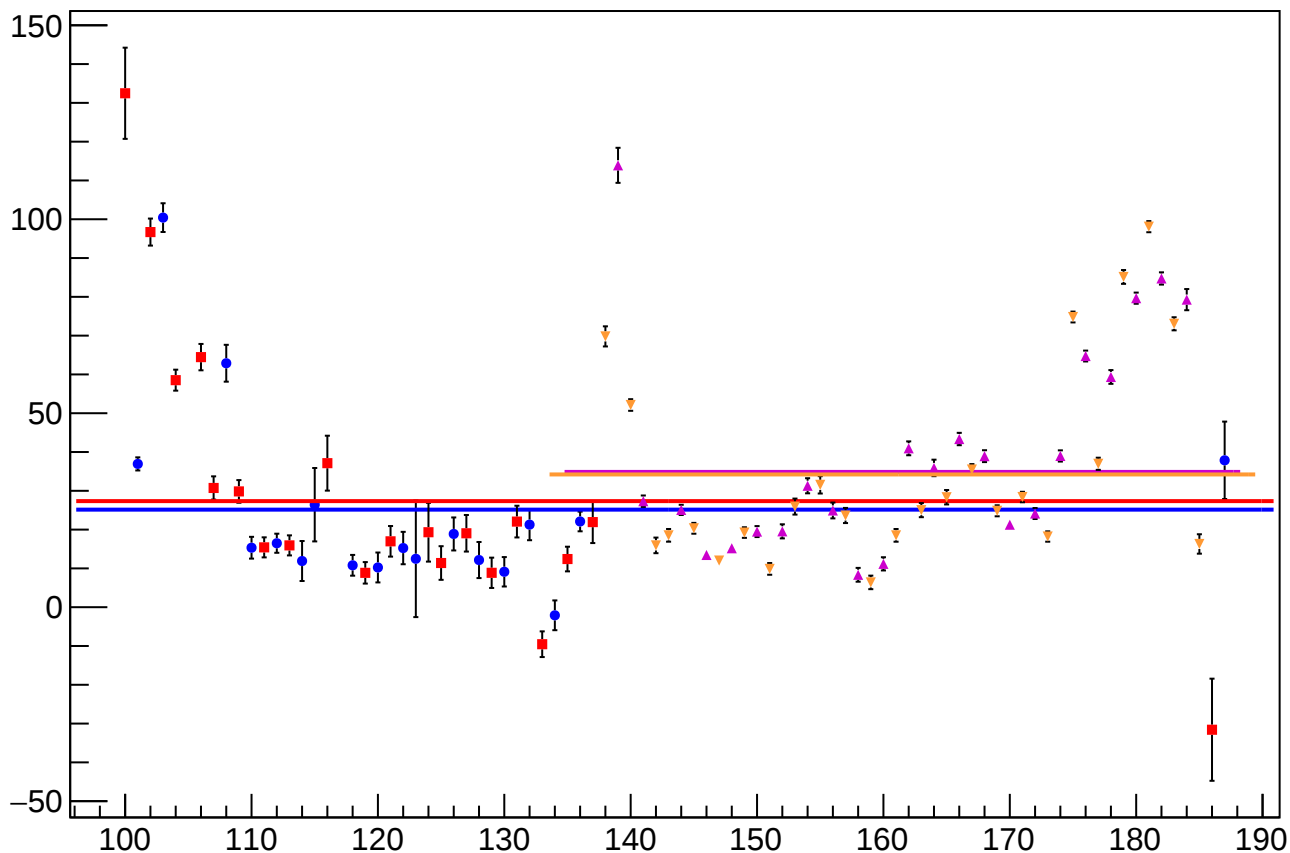
Left In: -82.711+/-0.415 χ^2/NDF :10841.4/22

+ sign -82.704+/-0.405 χ^2/NDF : 14002.6/25

All: -82.557+/-0.290 χ^2/NDF : 25183.5/49

- sign -82.402+/-0.415 χ^2/NDF : 11180.6/23

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.147 ± 0.805 χ^2/NDF : 688.1/17

Left Out: 34.219 ± 0.320 χ^2/NDF : 6192.6/24

Right Out: 27.344 ± 0.809 χ^2/NDF : 1033.7/19

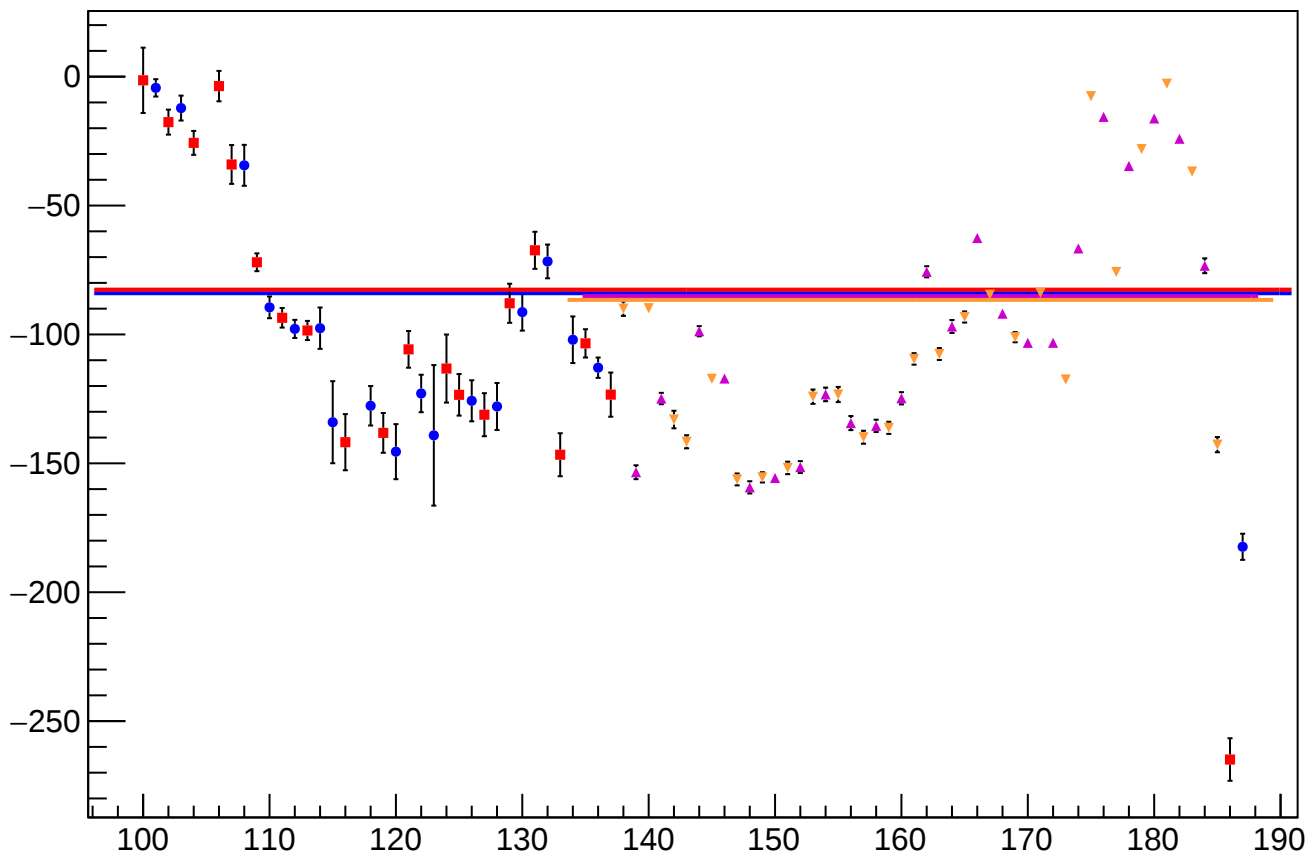
Left In: 34.870 ± 0.329 χ^2/NDF : 4716.1/22

+ sign 32.979 ± 0.298 χ^2/NDF : 6990.4/42

All: 33.380 ± 0.213 χ^2/NDF : 12818.1/85

- sign 33.801 ± 0.305 χ^2/NDF : 5824.0/42

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -84.015 ± 1.366 χ^2/NDF : 1437.1/17

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -82.617 ± 1.336 χ^2/NDF : 1372.6/19

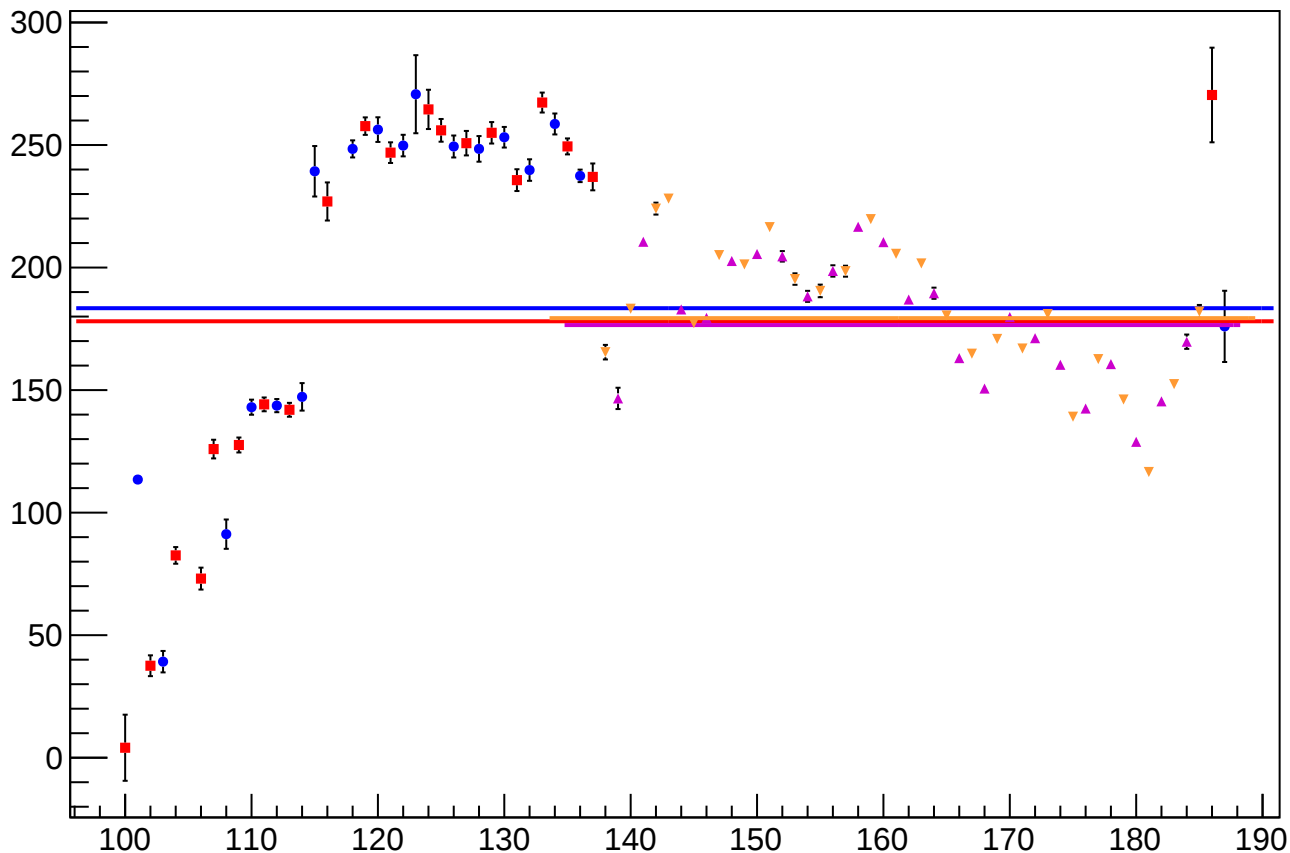
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -86.383 ± 0.391 χ^2/NDF : 15956.0/42

All: -85.657 ± 0.278 χ^2/NDF : 30180.2/85

- sign -84.913 ± 0.396 χ^2/NDF : 14217.2/42

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.419 $\pm$ 0.918 χ^2 /NDF: 5318.5/17

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 178.080 $\pm$ 0.924 χ^2 /NDF: 6359.5/19

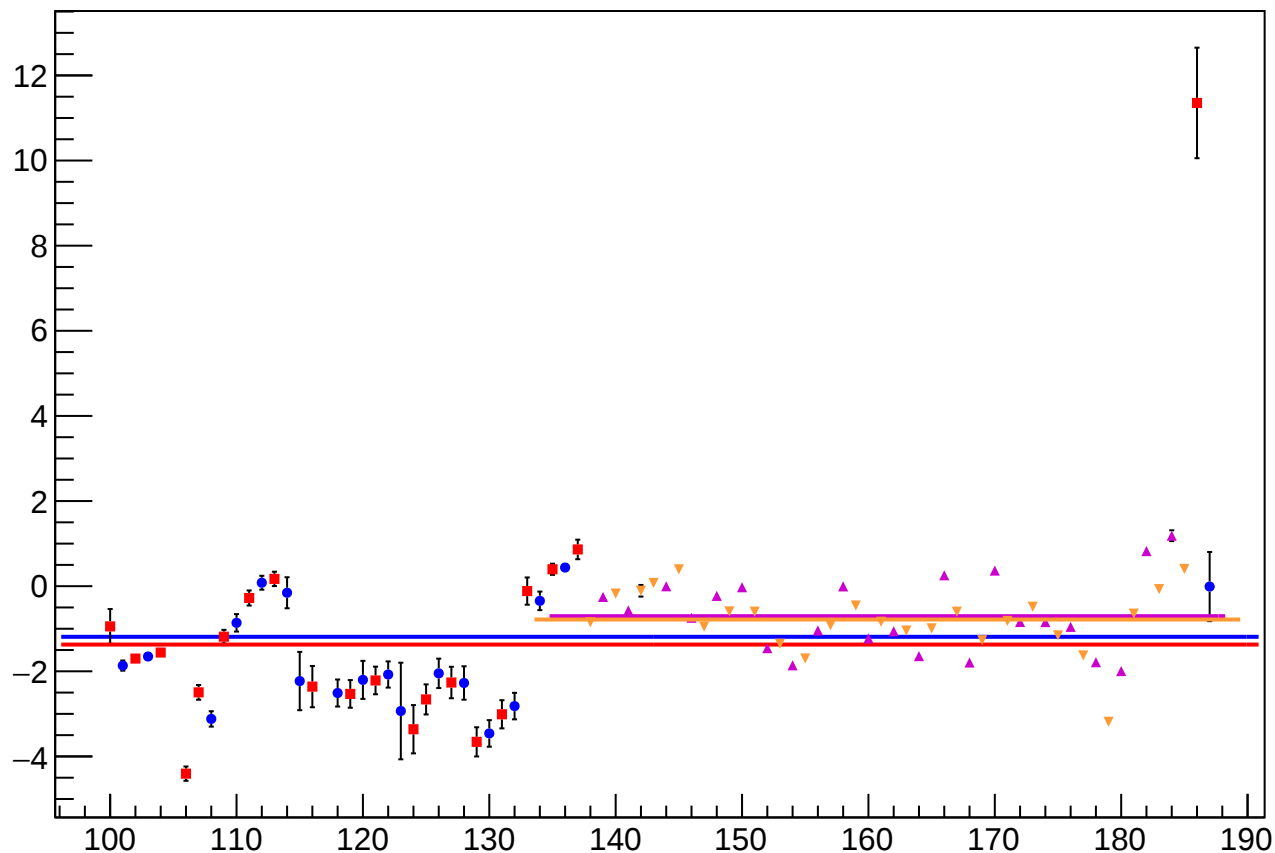
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.905 $\pm$ 0.337 χ^2 /NDF: 11317.7/42

All: 178.360 $\pm$ 0.241 χ^2 /NDF: 22148.5/85

- sign 176.746 $\pm$ 0.344 χ^2 /NDF: 10787.9/42

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.189 ± 0.048 χ^2/NDF : 622.5/17

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.372 ± 0.046 χ^2/NDF : 1015.6/19

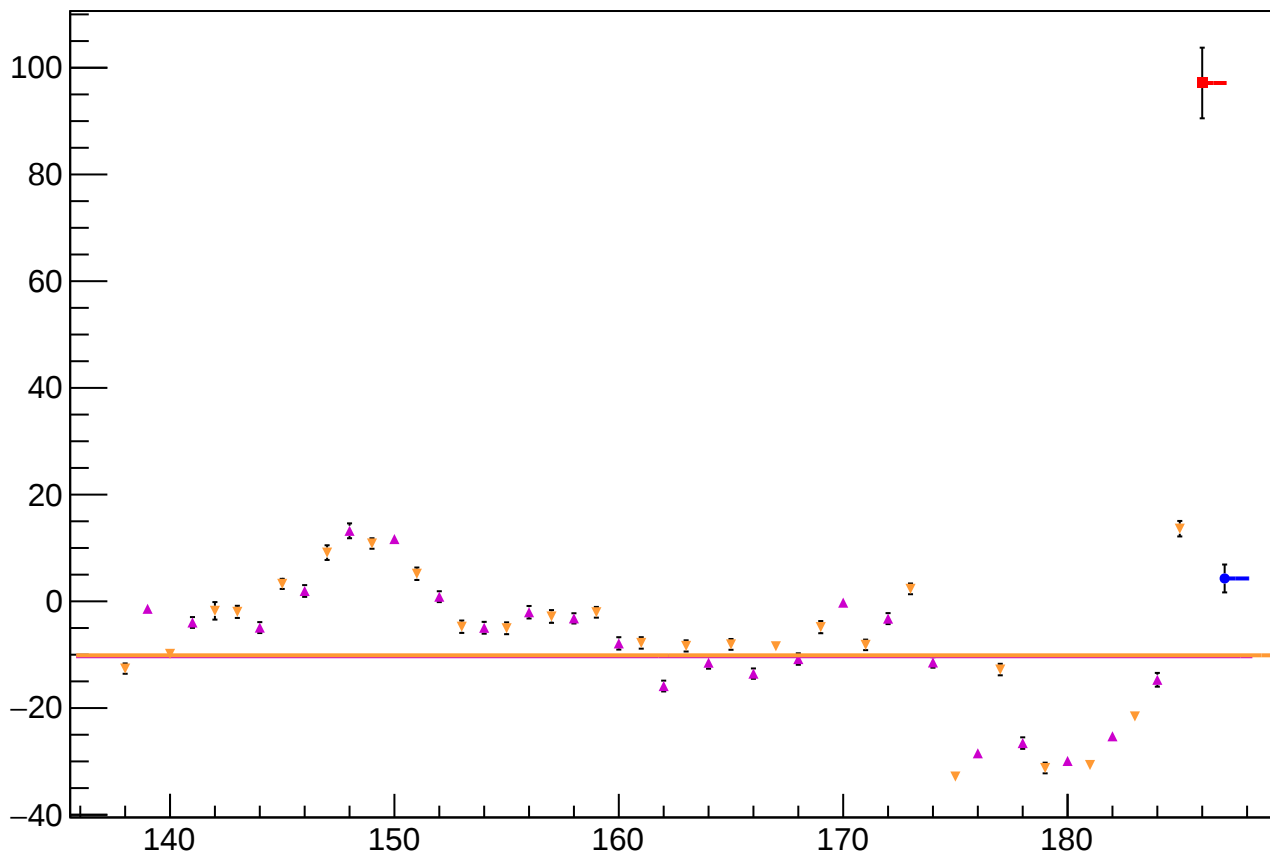
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.827 ± 0.016 χ^2/NDF : 2457.7/42

All: -0.806 ± 0.011 χ^2/NDF : 6070.9/85

- sign -0.785 ± 0.016 χ^2/NDF : 3609.7/42

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 4.287 ± 2.614 χ^2/NDF : 0.0/0

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: 97.143 ± 6.619 χ^2/NDF : 0.0/0

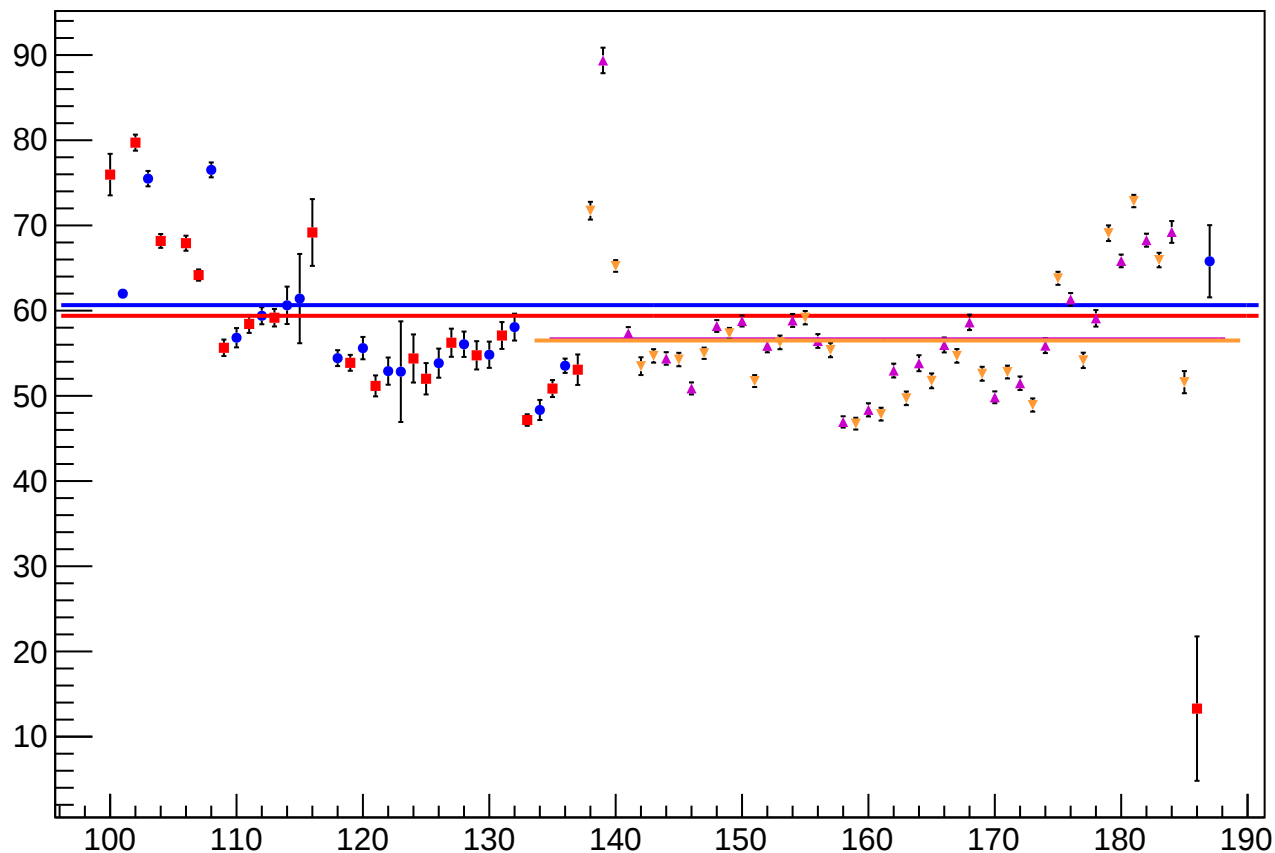
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -10.032 ± 0.201 χ^2/NDF : 4168.3/25

All: -10.108 ± 0.144 χ^2/NDF : 7882.8/49

- sign -10.187 ± 0.205 χ^2/NDF : 3714.2/23

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.645 $\pm$ 0.263 χ^2 /NDF: 926.0/17

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF: 1968.0/24

Right Out: 59.393 $\pm$ 0.248 χ^2 /NDF: 1354.8/19

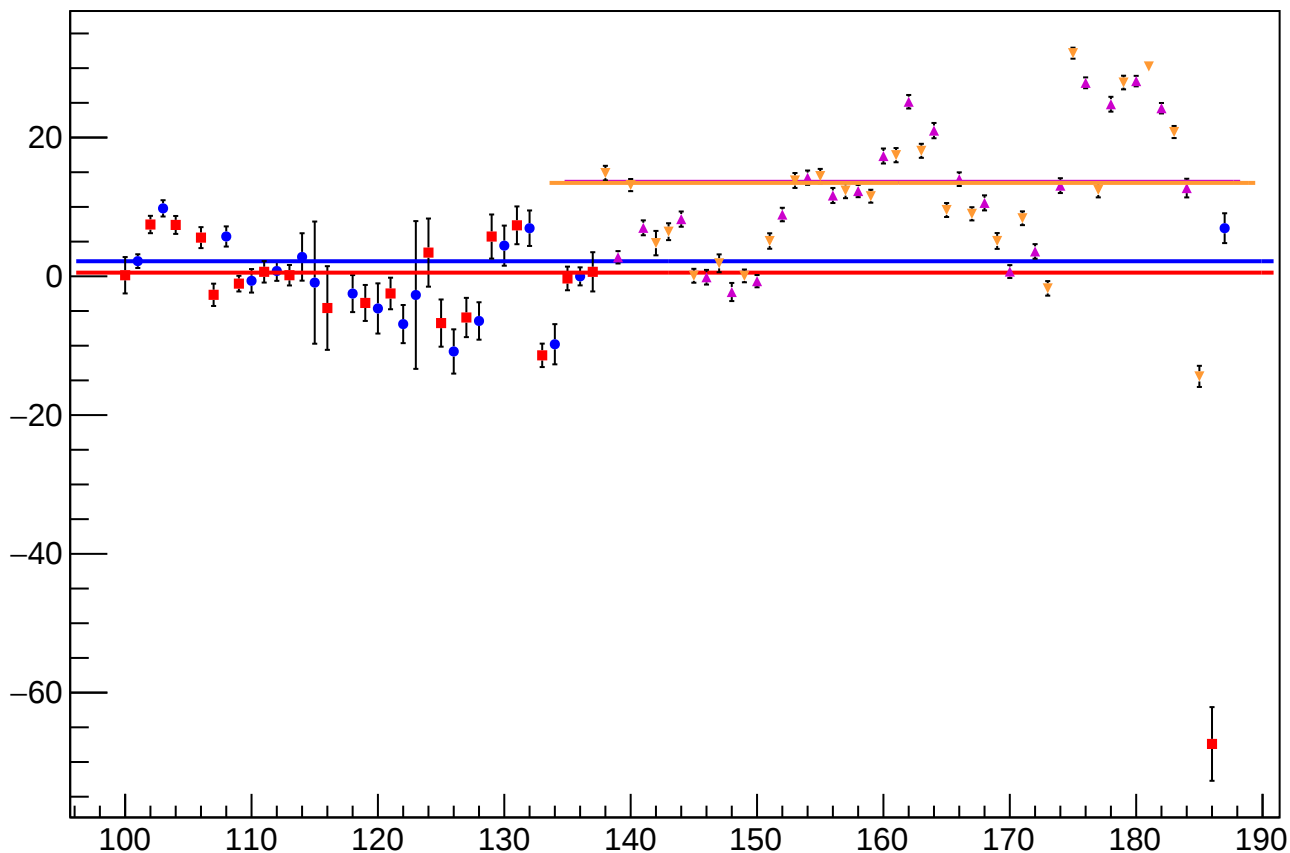
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF: 1607.9/22

+ sign 57.607 $\pm$ 0.136 χ^2 /NDF: 3076.5/42

All: 57.546 $\pm$ 0.097 χ^2 /NDF: 6125.5/85

- sign 57.483 $\pm$ 0.137 χ^2 /NDF: 3048.5/42

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 2.172 ± 0.449 χ^2/NDF : 125.4/17

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 0.529 ± 0.423 χ^2/NDF : 314.3/19

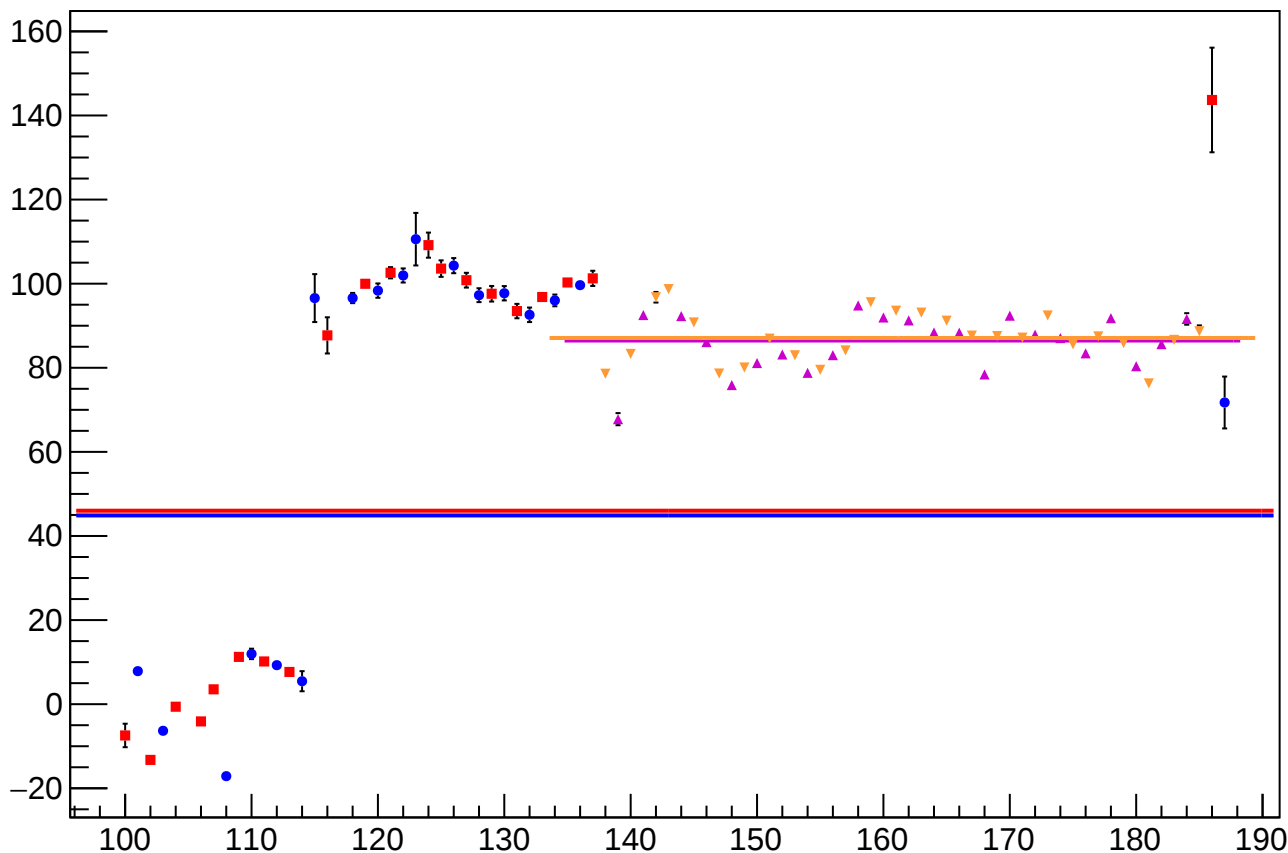
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.571 ± 0.184 χ^2/NDF : 3387.5/42

All: 11.358 ± 0.130 χ^2/NDF : 6795.3/85

- sign 11.144 ± 0.184 χ^2/NDF : 3405.1/42

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.883 $\pm$ 0.305 χ^2 /NDF: 24719.1/17

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 46.011 $\pm$ 0.290 χ^2 /NDF: 28277.8/19

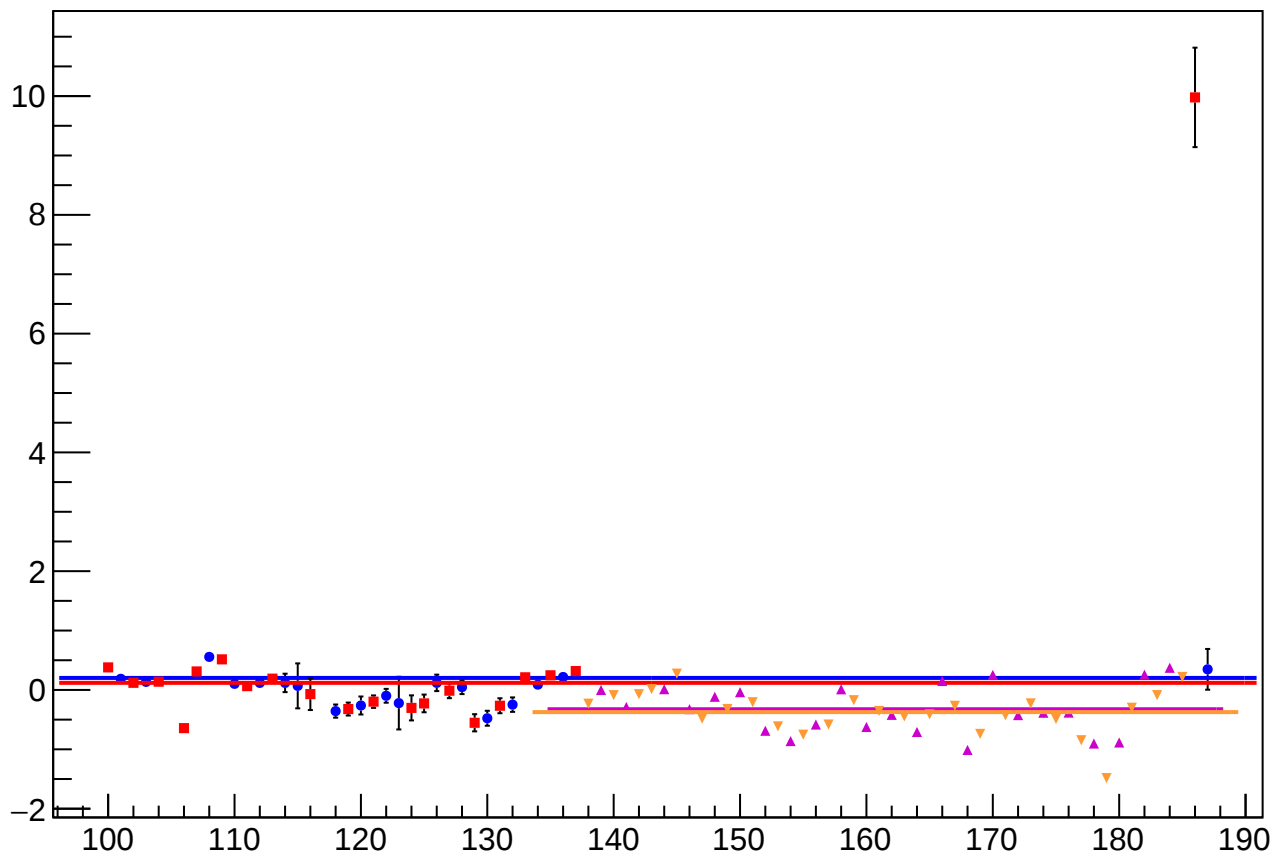
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 76.248 $\pm$ 0.154 χ^2 /NDF: 40068.5/42

All: 75.525 $\pm$ 0.110 χ^2 /NDF: 83277.9/85

- sign 74.790 $\pm$ 0.156 χ^2 /NDF: 43165.1/42

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 215.8/17

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: 0.120 ± 0.013 χ^2/NDF : 637.7/19

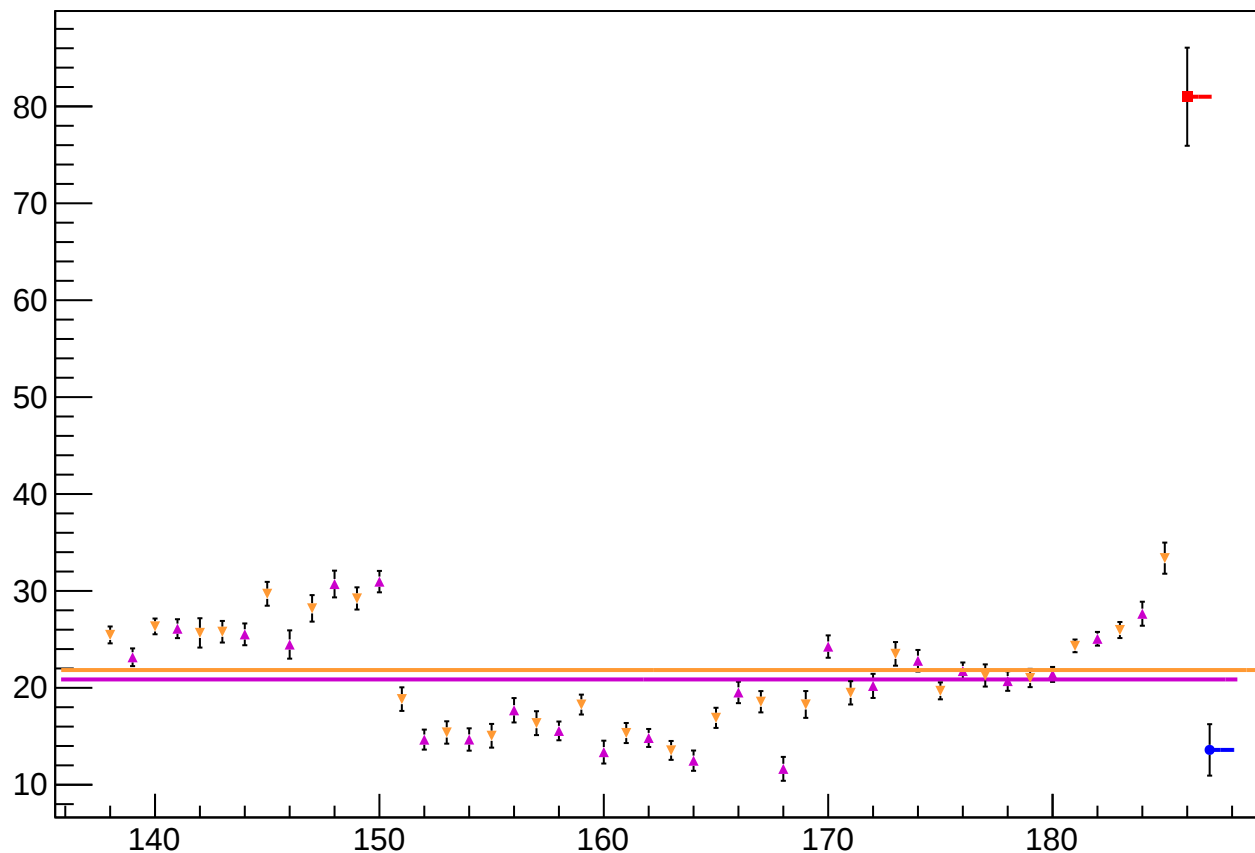
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.229 ± 0.007 χ^2/NDF : 3143.1/42

All: -0.214 ± 0.005 χ^2/NDF : 6908.1/85

- sign -0.199 ± 0.007 χ^2/NDF : 3755.6/42

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.595 $\pm$ 2.654 χ^2 /NDF: 0.0/0

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 80.998 $\pm$ 5.062 χ^2 /NDF: 0.0/0

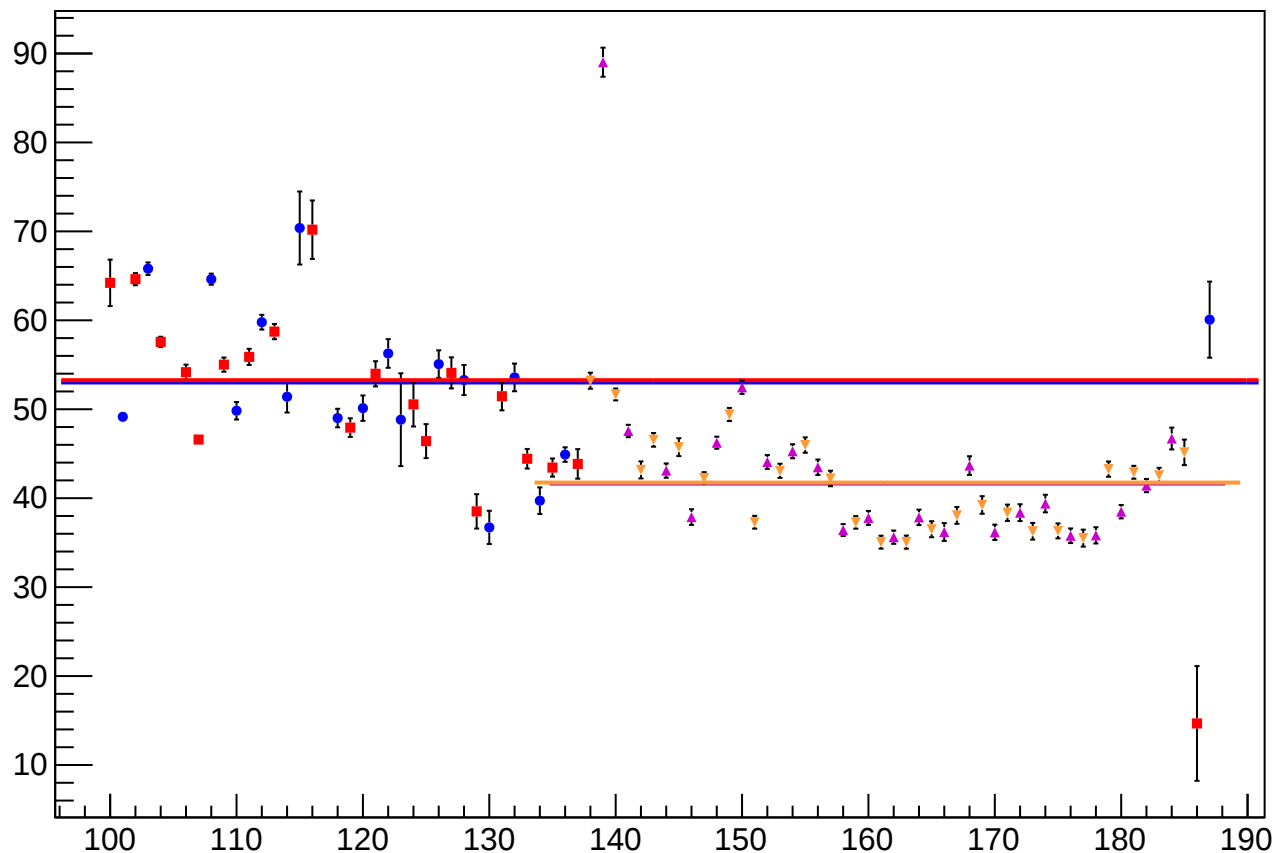
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 21.785 $\pm$ 0.209 χ^2 /NDF: 533.9/25

All: 21.394 $\pm$ 0.150 χ^2 /NDF: 1258.9/49

- sign 20.975 $\pm$ 0.216 χ^2 /NDF: 717.7/23

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 53.011 $\pm$ 0.211 χ^2 /NDF: 1200.6/17

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 53.268 $\pm$ 0.227 χ^2 /NDF: 912.5/19

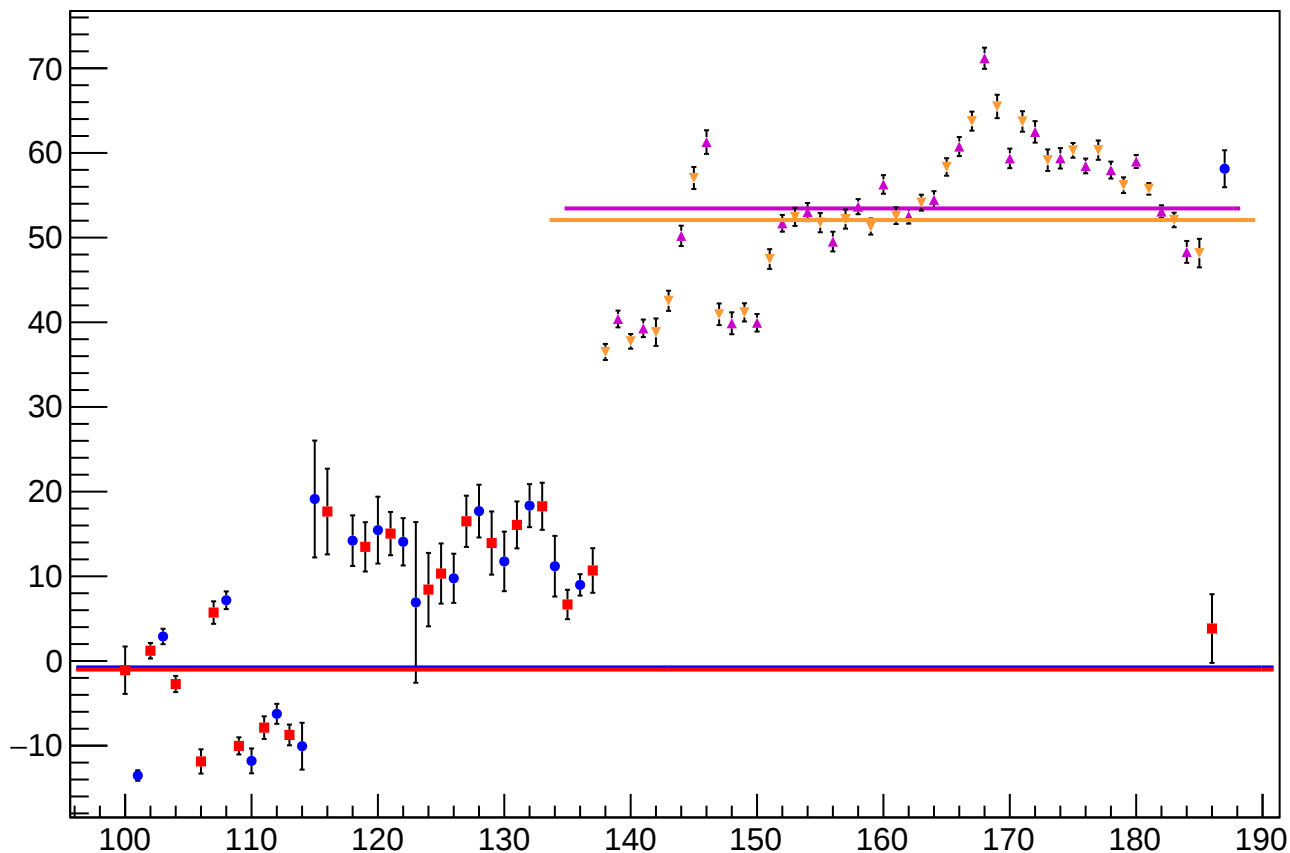
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 46.044 $\pm$ 0.130 χ^2 /NDF: 3980.9/42

All: 45.998 $\pm$ 0.095 χ^2 /NDF: 8161.1/85

- sign 45.946 $\pm$ 0.138 χ^2 /NDF: 4180.0/42

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -0.760 ± 0.360 χ^2/NDF : 1581.1/17

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: -1.014 ± 0.376 χ^2/NDF : 506.9/19

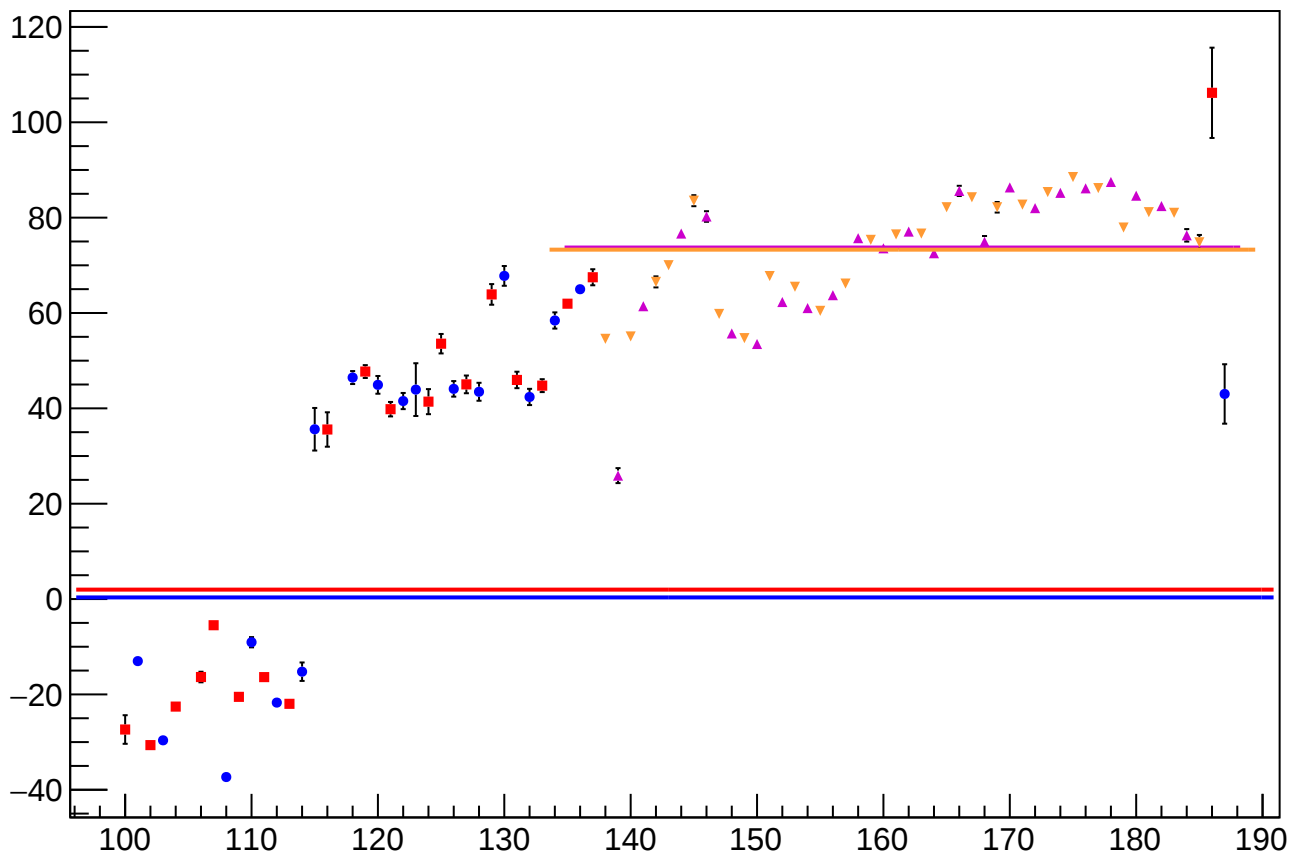
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 38.642 ± 0.181 χ^2/NDF : 19126.9/42

All: 39.288 ± 0.130 χ^2/NDF : 36651.4/85

- sign 39.973 ± 0.187 χ^2/NDF : 17498.3/42

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.342 ± 0.247 $\chi^2/\text{NDF}: 18267.0/17$

Left Out: 73.284 ± 0.187 $\chi^2/\text{NDF}: 3144.2/24$

Right Out: 1.980 ± 0.267 $\chi^2/\text{NDF}: 15534.0/19$

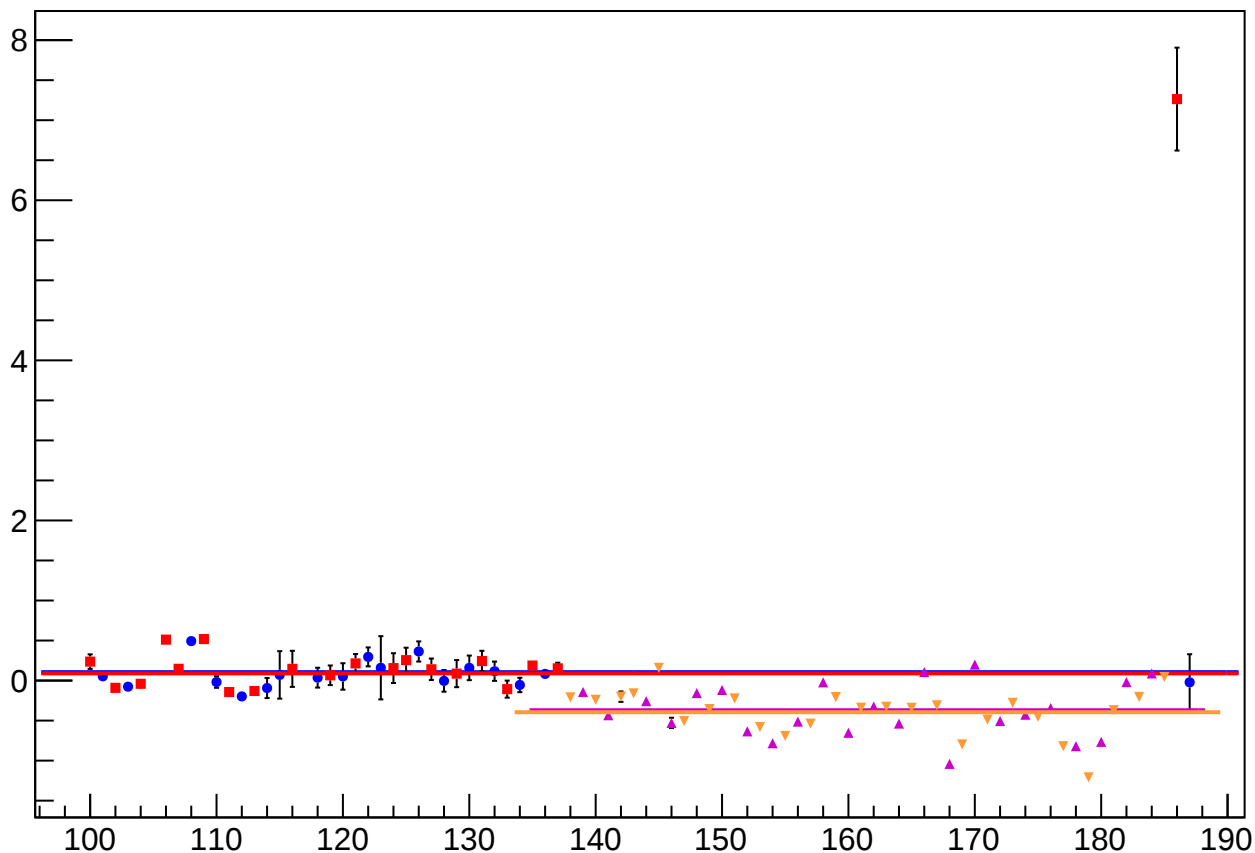
Left In: 73.730 ± 0.194 $\chi^2/\text{NDF}: 3775.8/22$

+ sign 46.797 ± 0.149 $\chi^2/\text{NDF}: 76750.8/42$

All: 47.767 ± 0.108 $\chi^2/\text{NDF}: 143431.4/85$

- sign 48.843 ± 0.157 $\chi^2/\text{NDF}: 66591.4/42$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 401.0/17

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.090 ± 0.011 χ^2/NDF : 515.4/19

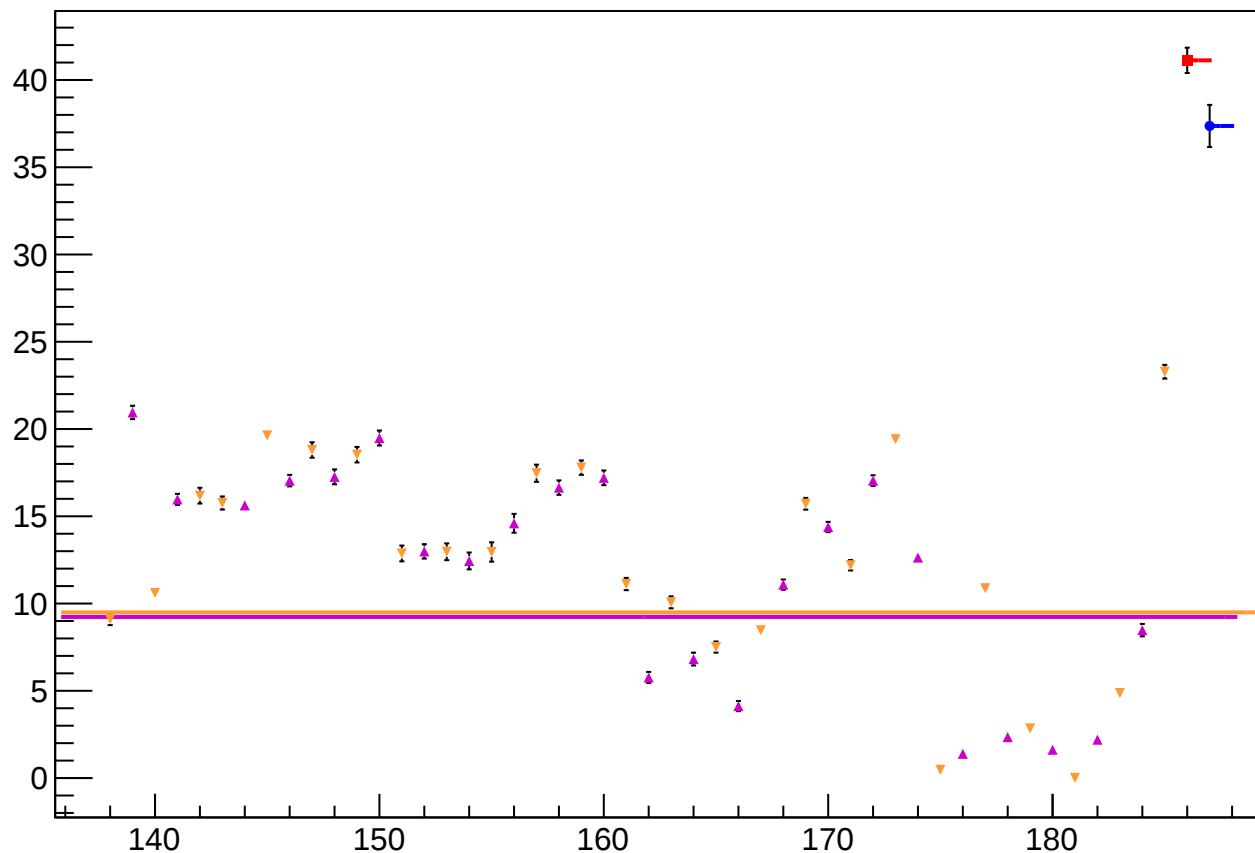
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.208 ± 0.007 χ^2/NDF : 2635.4/42

All: -0.201 ± 0.005 χ^2/NDF : 5542.5/85

- sign -0.194 ± 0.007 χ^2/NDF : 2904.8/42

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 37.366+/-1.208 χ^2/NDF : 0.0/0

Left Out: 9.495+/-0.061 χ^2/NDF :12609.1/24

Right Out: 41.126+/-0.726 χ^2/NDF : 0.0/0

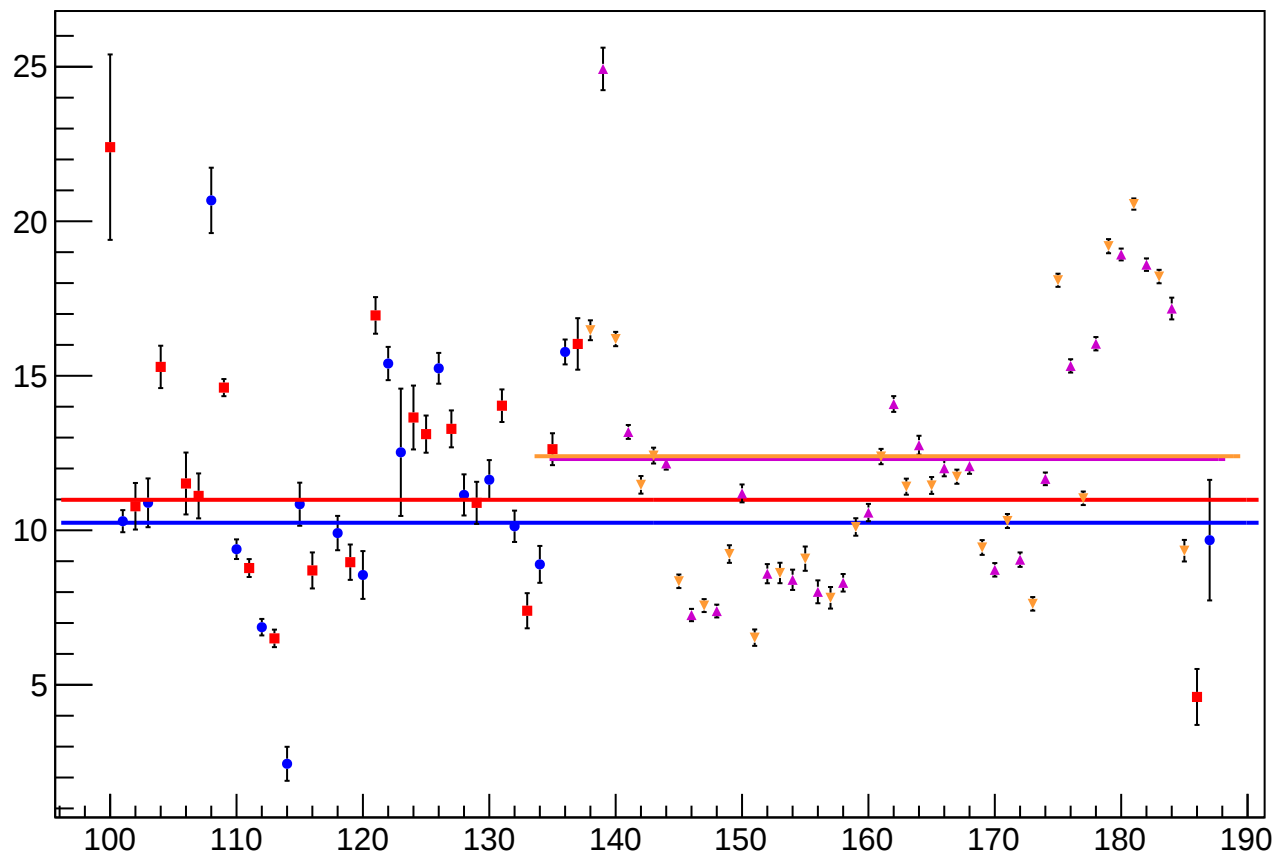
Left In: 9.231+/-0.063 χ^2/NDF :10736.2/22

+ sign 9.566+/-0.061 χ^2/NDF : 13140.1/25

All: 9.519+/-0.044 χ^2/NDF : 25790.5/49

- sign 9.469+/-0.063 χ^2/NDF : 12649.3/23

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.244 $\pm$ 0.119 χ^2 /NDF: 866.2/17

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 10.987 $\pm$ 0.116 χ^2 /NDF: 867.1/19

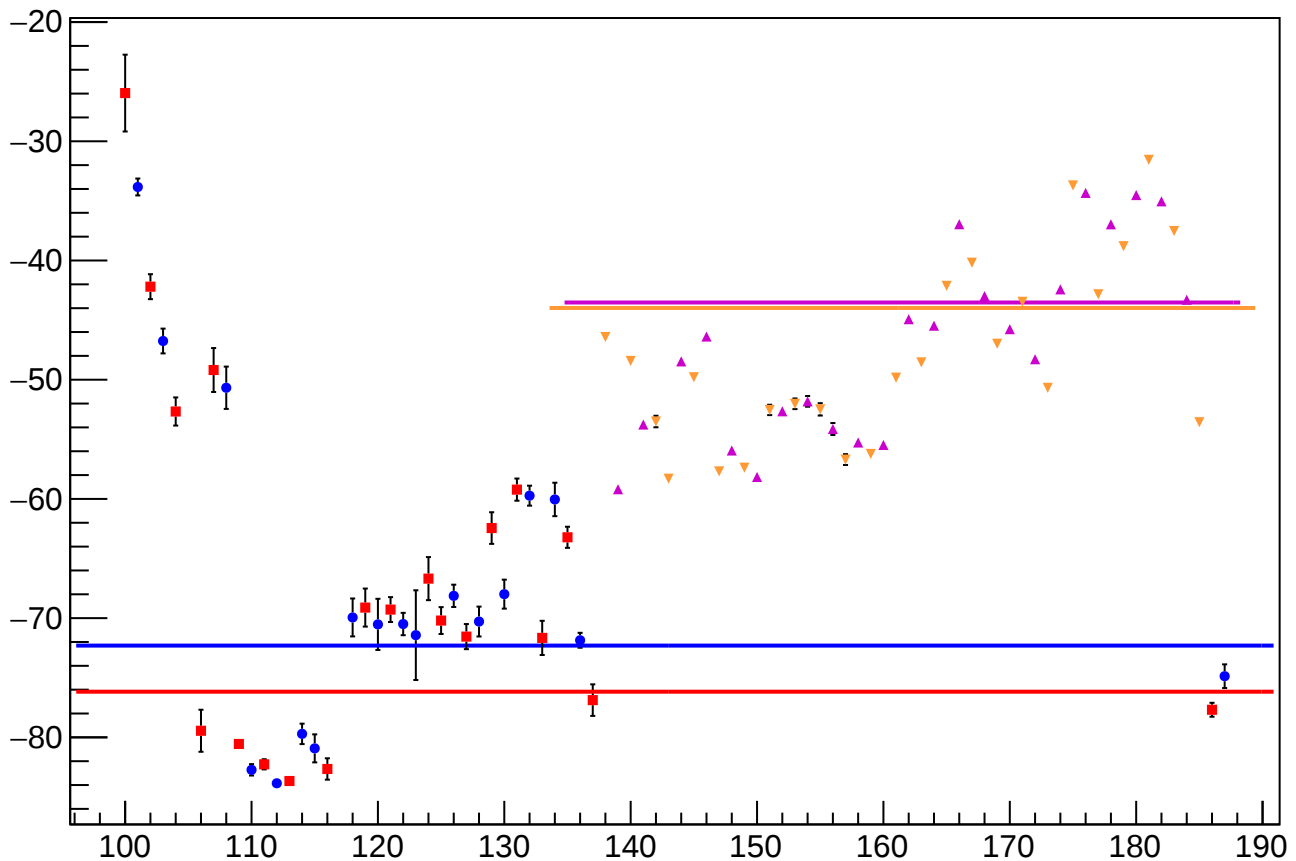
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.079 $\pm$ 0.046 χ^2 /NDF: 8686.0/42

All: 12.085 $\pm$ 0.033 χ^2 /NDF: 15264.0/85

- sign 12.090 $\pm$ 0.047 χ^2 /NDF: 6578.0/42

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.303 ± 0.195 $\chi^2/\text{NDF}: 5569.7/17$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -76.170 ± 0.173 $\chi^2/\text{NDF}: 3466.6/19$

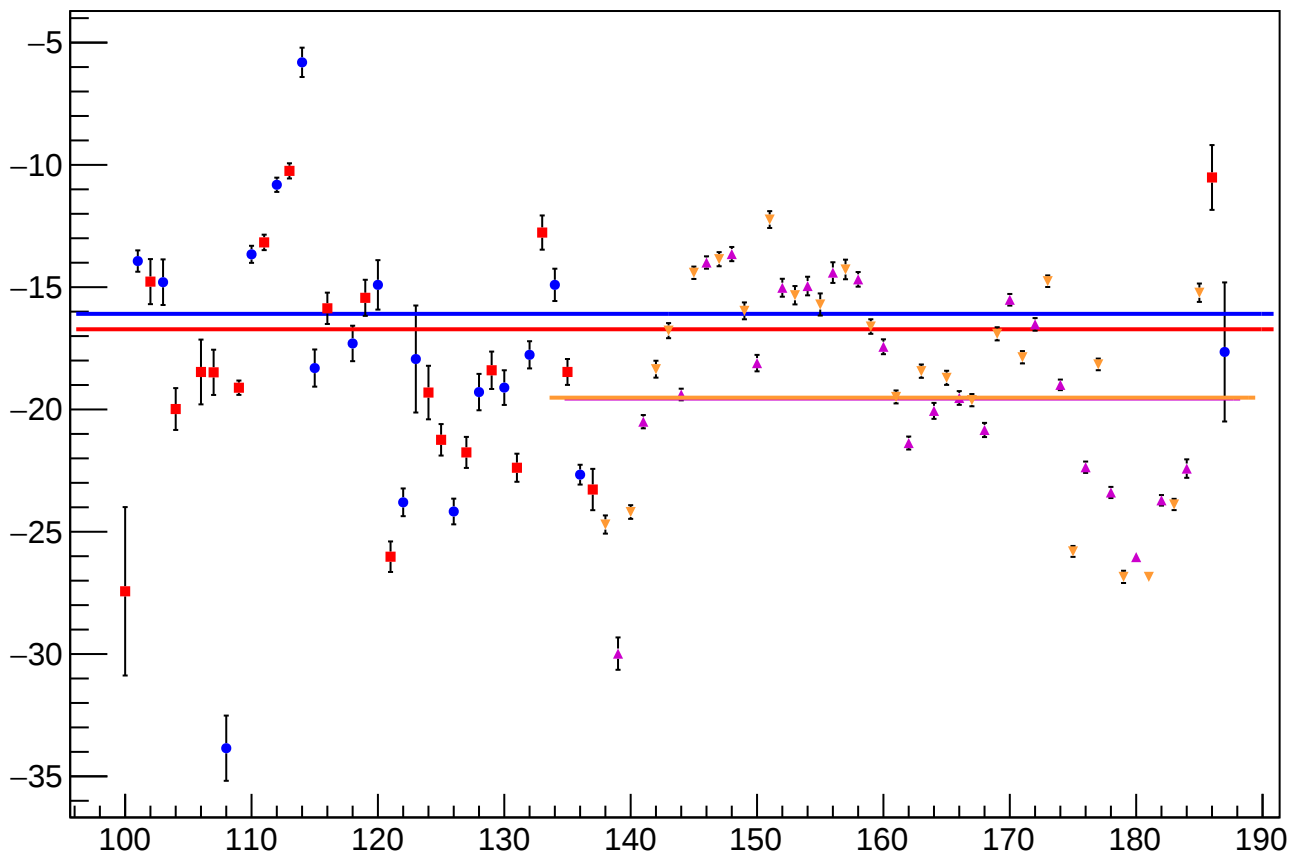
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -46.587 ± 0.059 $\chi^2/\text{NDF}: 42540.6/42$

All: -46.980 ± 0.042 $\chi^2/\text{NDF}: 92765.3/85$

- sign -47.380 ± 0.059 $\chi^2/\text{NDF}: 50135.2/42$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.091 ± 0.133 $\chi^2/\text{NDF}: 1621.0/17$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -16.721 ± 0.128 $\chi^2/\text{NDF}: 1233.4/19$

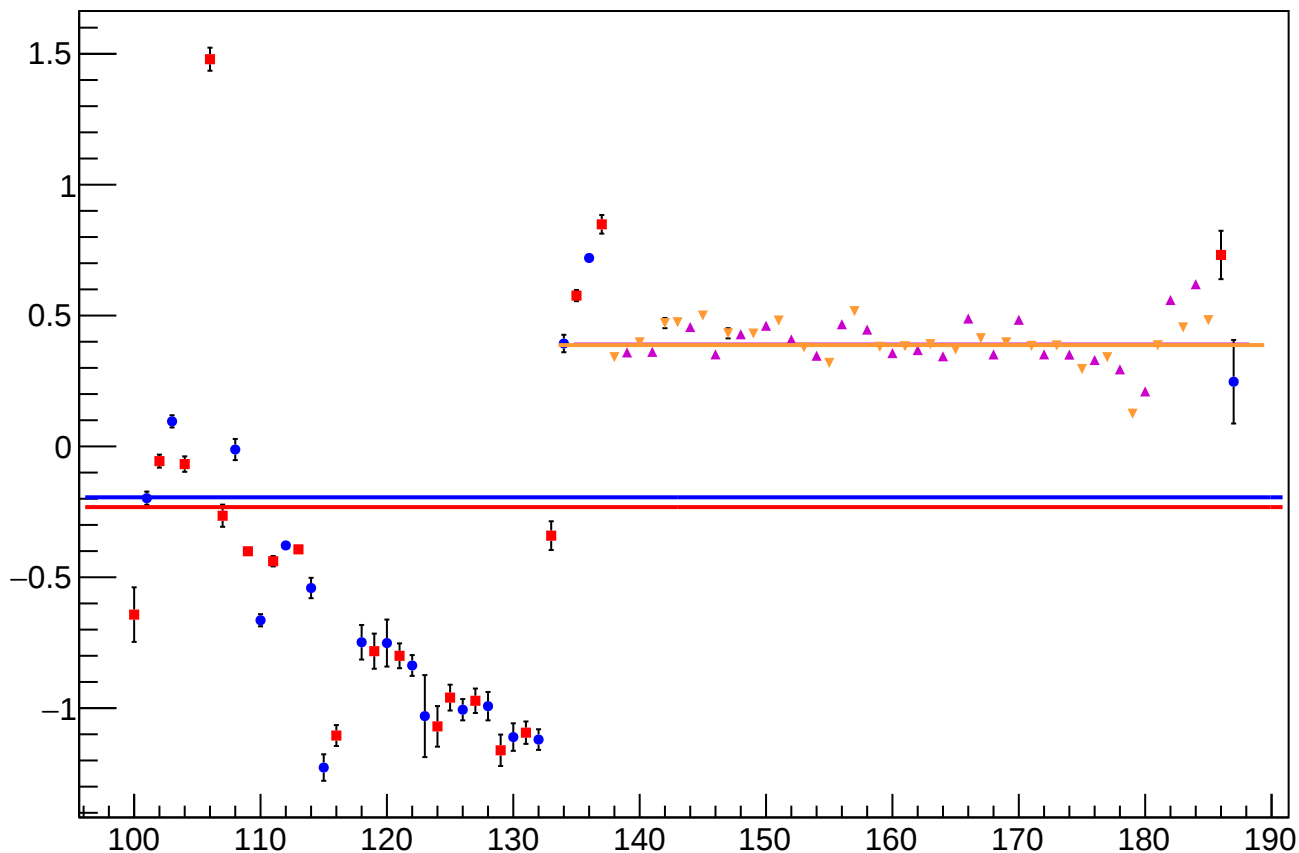
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.003 ± 0.051 $\chi^2/\text{NDF}: 8706.2/42$

All: -19.041 ± 0.037 $\chi^2/\text{NDF}: 14661.4/85$

- sign -19.080 ± 0.052 $\chi^2/\text{NDF}: 5954.1/42$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.194 ± 0.008 χ^2/NDF : 6324.2/17

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.232 ± 0.007 χ^2/NDF : 6285.9/19

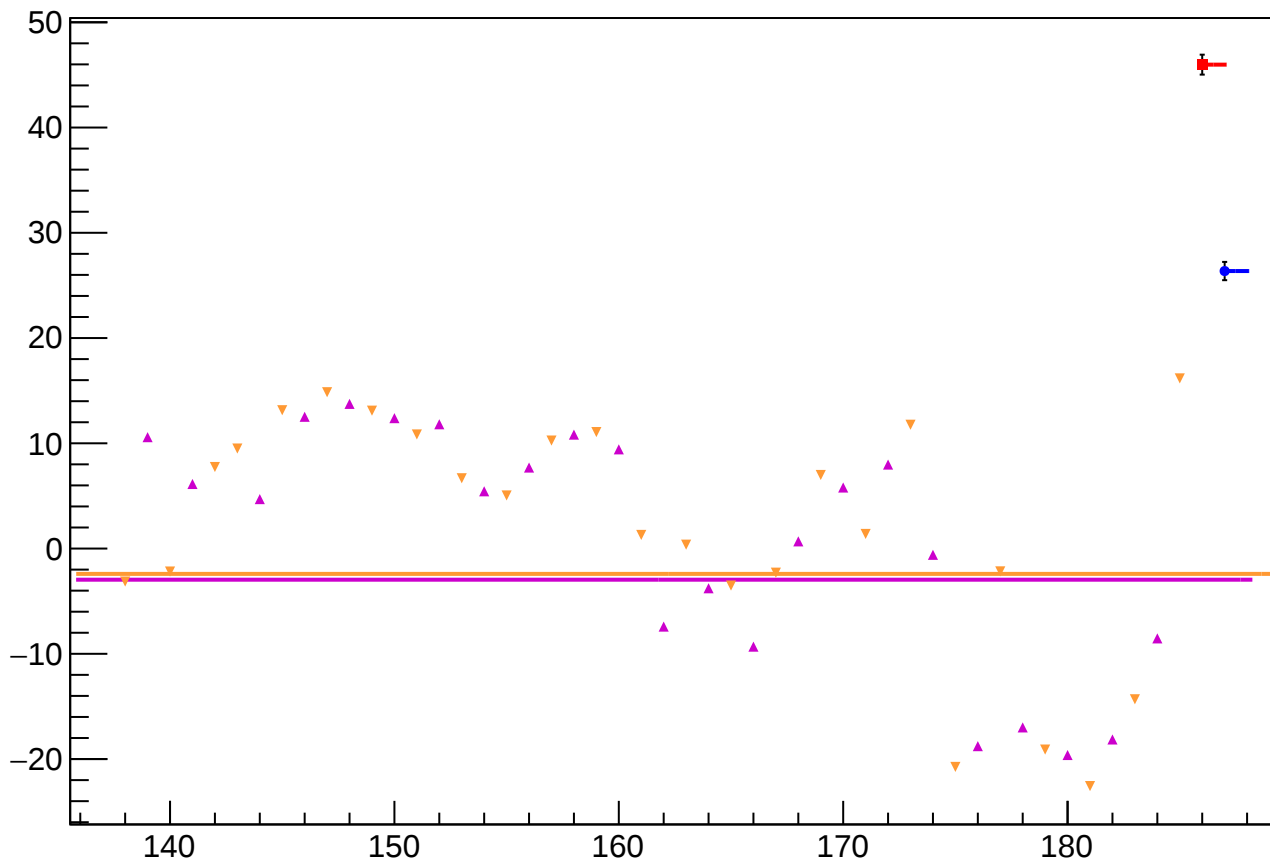
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.327 ± 0.002 χ^2/NDF : 12642.9/42

All: 0.322 ± 0.002 χ^2/NDF : 26827.5/85

- sign 0.316 ± 0.002 χ^2/NDF : 14174.0/42

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 26.366 $\pm$ 0.868 χ^2 /NDF: 0.0/0

Left Out: -2.407 $\pm$ 0.053 χ^2 /NDF: 56368.5/24

Right Out: 45.976 $\pm$ 0.947 χ^2 /NDF: 0.0/0

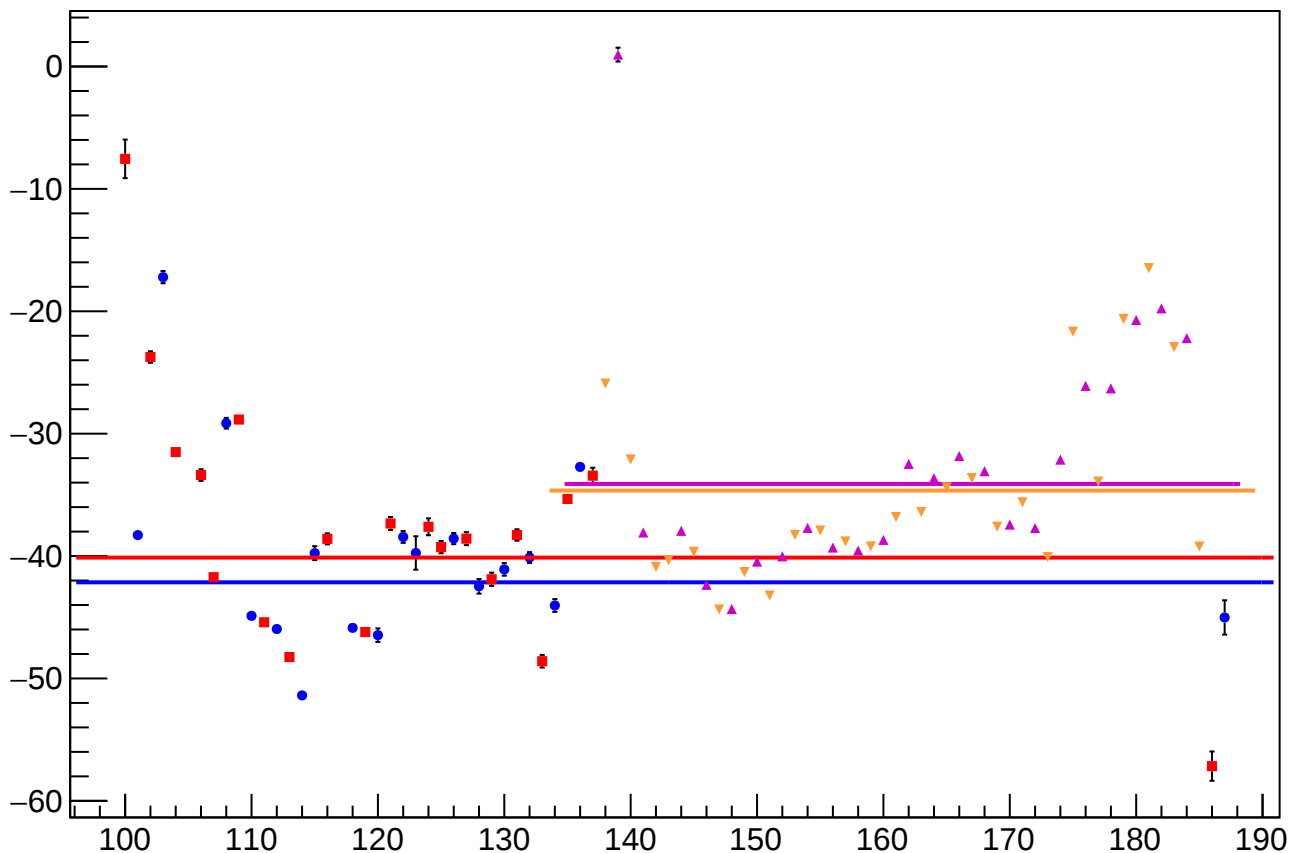
Left In: -2.959 $\pm$ 0.055 χ^2 /NDF: 45922.6/22

+ sign -2.301 $\pm$ 0.053 χ^2 /NDF: 57463.5/25

All: -2.539 $\pm$ 0.038 χ^2 /NDF: 106087.4/49

- sign -2.796 $\pm$ 0.055 χ^2 /NDF: 48581.5/23

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.145 ± 0.078 $\chi^2/\text{NDF}: 6557.4/17$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -40.125 ± 0.073 $\chi^2/\text{NDF}: 11523.6/19$

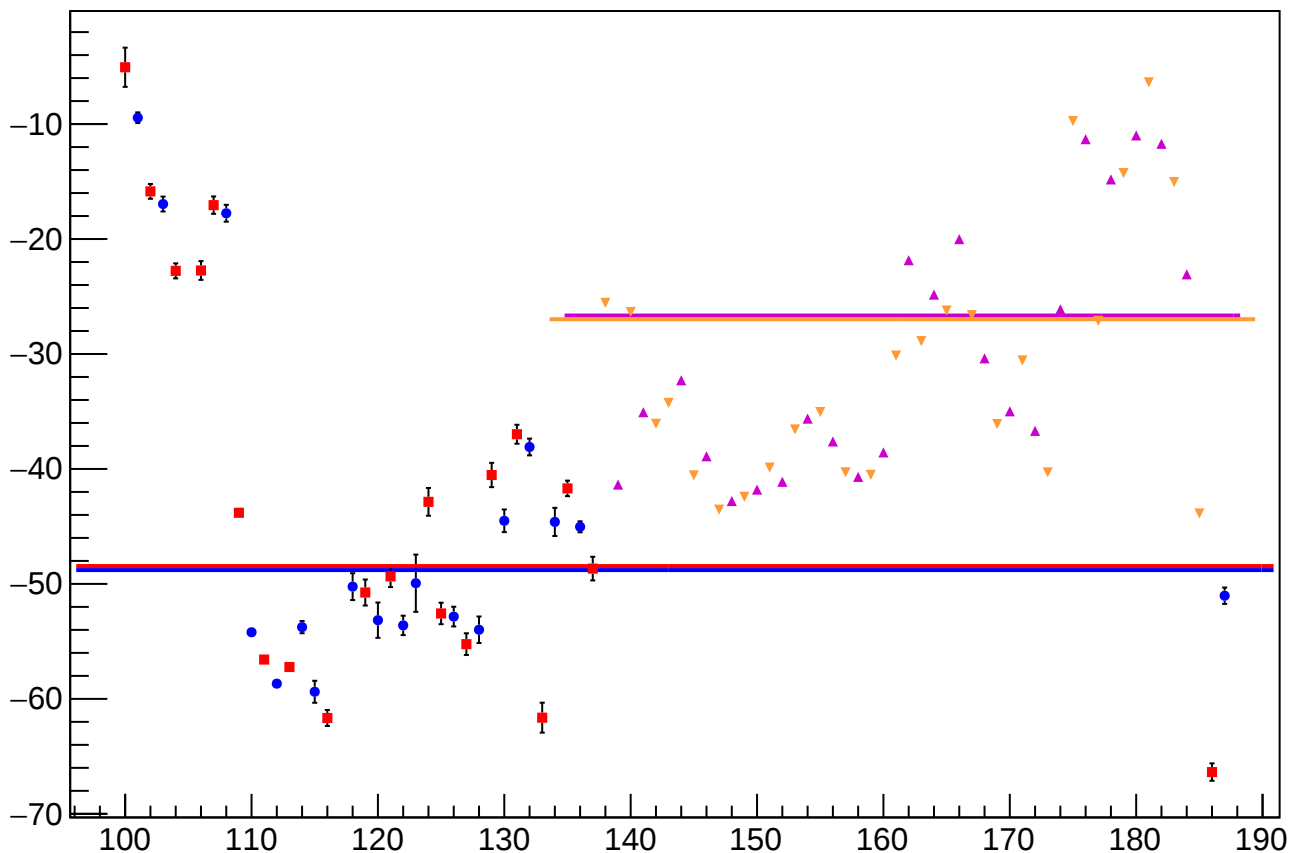
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.316 ± 0.037 $\chi^2/\text{NDF}: 48408.1/42$

All: -36.024 ± 0.026 $\chi^2/\text{NDF}: 94130.1/85$

- sign -35.720 ± 0.038 $\chi^2/\text{NDF}: 45593.9/42$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.797 ± 0.123 $\chi^2/\text{NDF}: 14669.5/17$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -48.446 ± 0.106 $\chi^2/\text{NDF}: 12301.1/19$

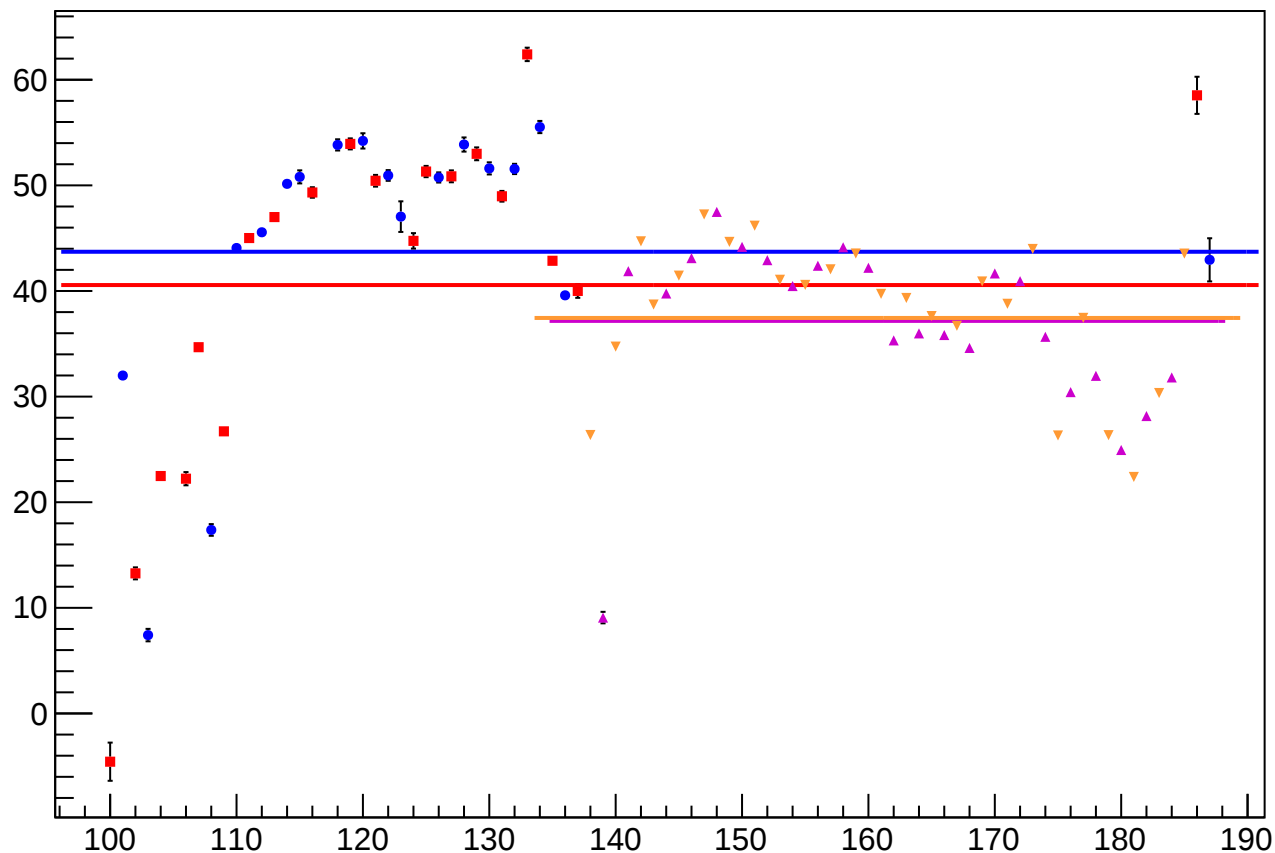
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.417 ± 0.049 $\chi^2/\text{NDF}: 90556.8/42$

All: -30.835 ± 0.035 $\chi^2/\text{NDF}: 178318.5/85$

- sign -31.252 ± 0.049 $\chi^2/\text{NDF}: 87615.2/42$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.715 $\pm$ 0.087 χ^2 /NDF: 10564.4/17

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 40.562 $\pm$ 0.080 χ^2 /NDF: 17683.2/19

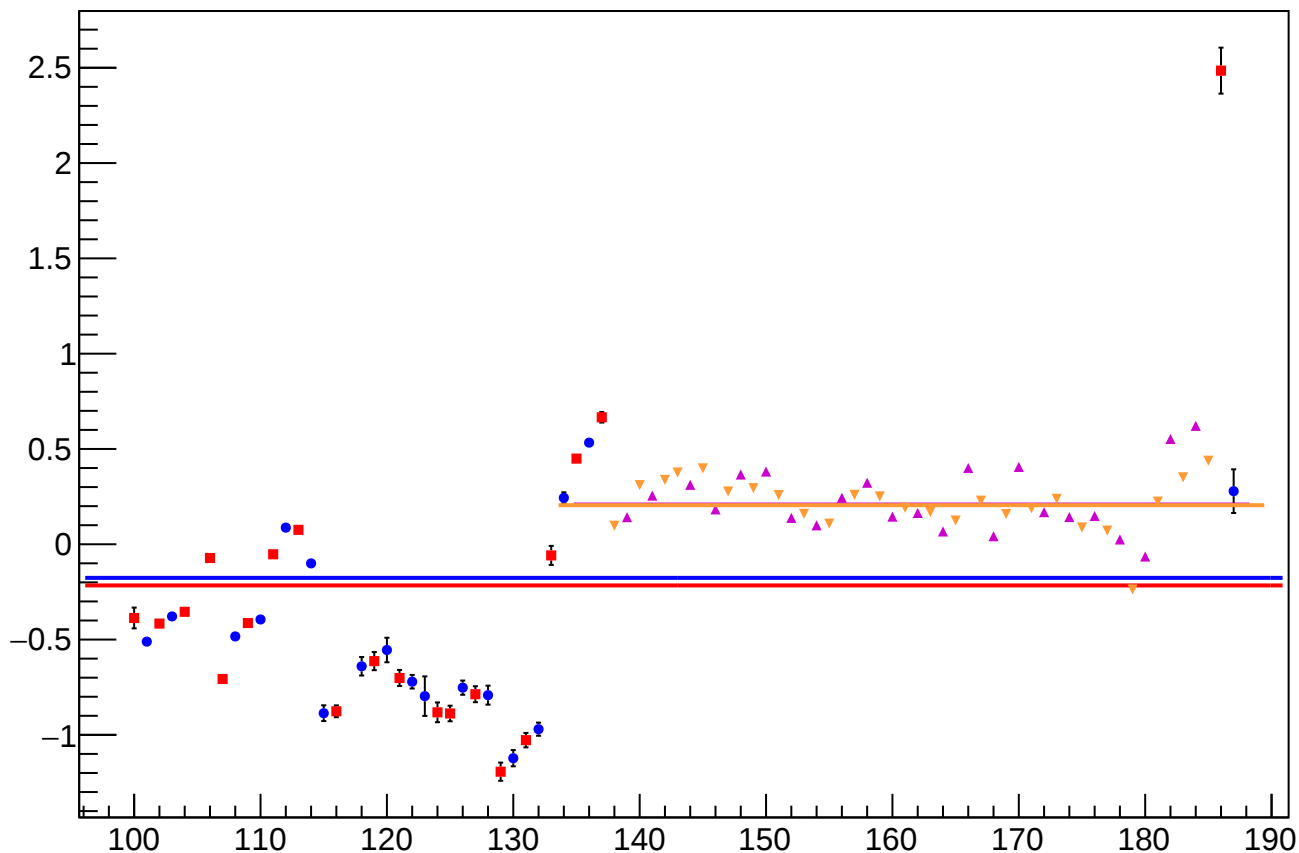
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.871 $\pm$ 0.041 χ^2 /NDF: 36150.4/42

All: 38.490 $\pm$ 0.029 χ^2 /NDF: 72542.3/85

- sign 38.100 $\pm$ 0.042 χ^2 /NDF: 36220.7/42

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.176 ± 0.005 χ^2/NDF : 7369.3/17

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.216 ± 0.004 χ^2/NDF : 7919.7/19

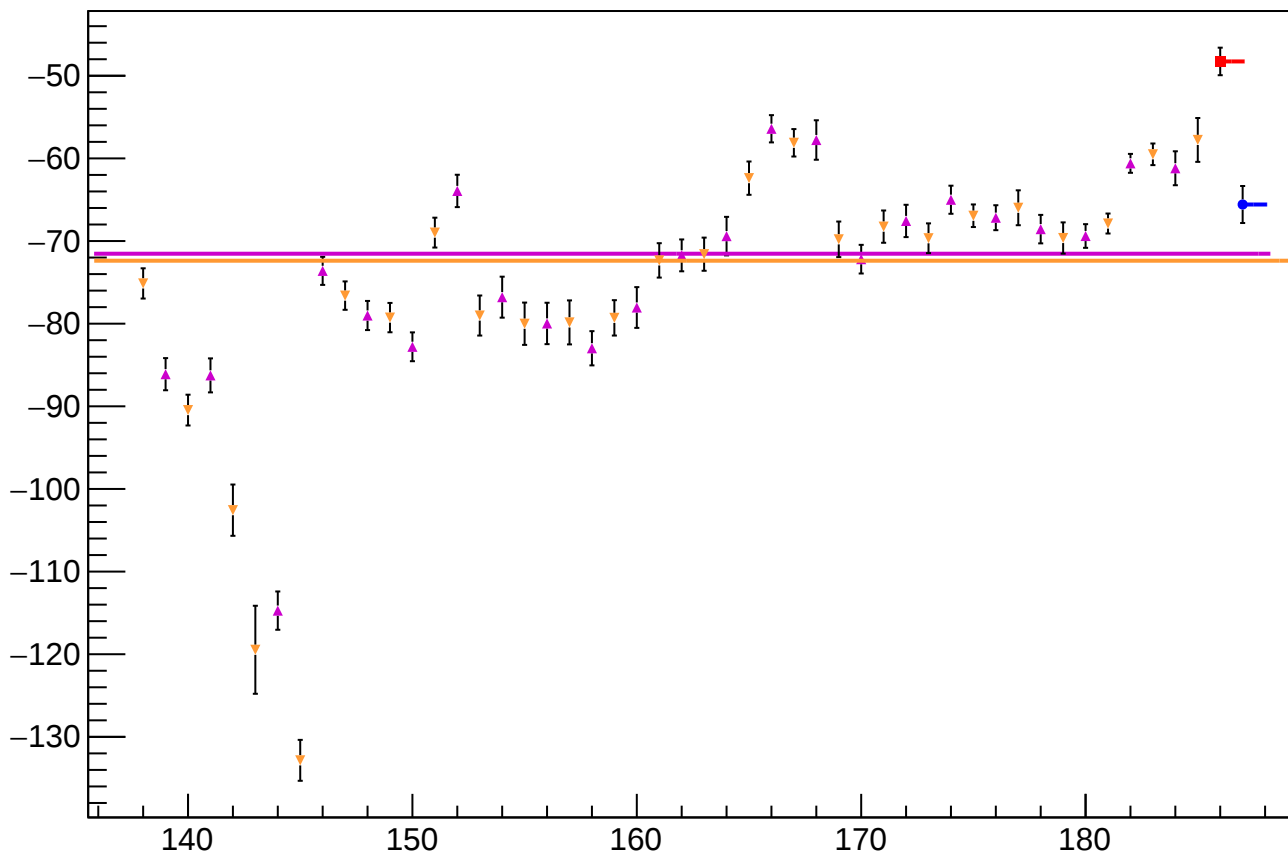
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.141 ± 0.002 χ^2/NDF : 16355.4/42

All: 0.129 ± 0.001 χ^2/NDF : 37089.8/85

- sign 0.118 ± 0.002 χ^2/NDF : 20664.2/42

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -65.579 $\pm$ 2.239 χ^2 /NDF: 0.0/0

Left Out: -72.381 $\pm$ 0.382 χ^2 /NDF:1199.9/24

Right Out: -48.267 $\pm$ 1.666 χ^2 /NDF: 0.0/0

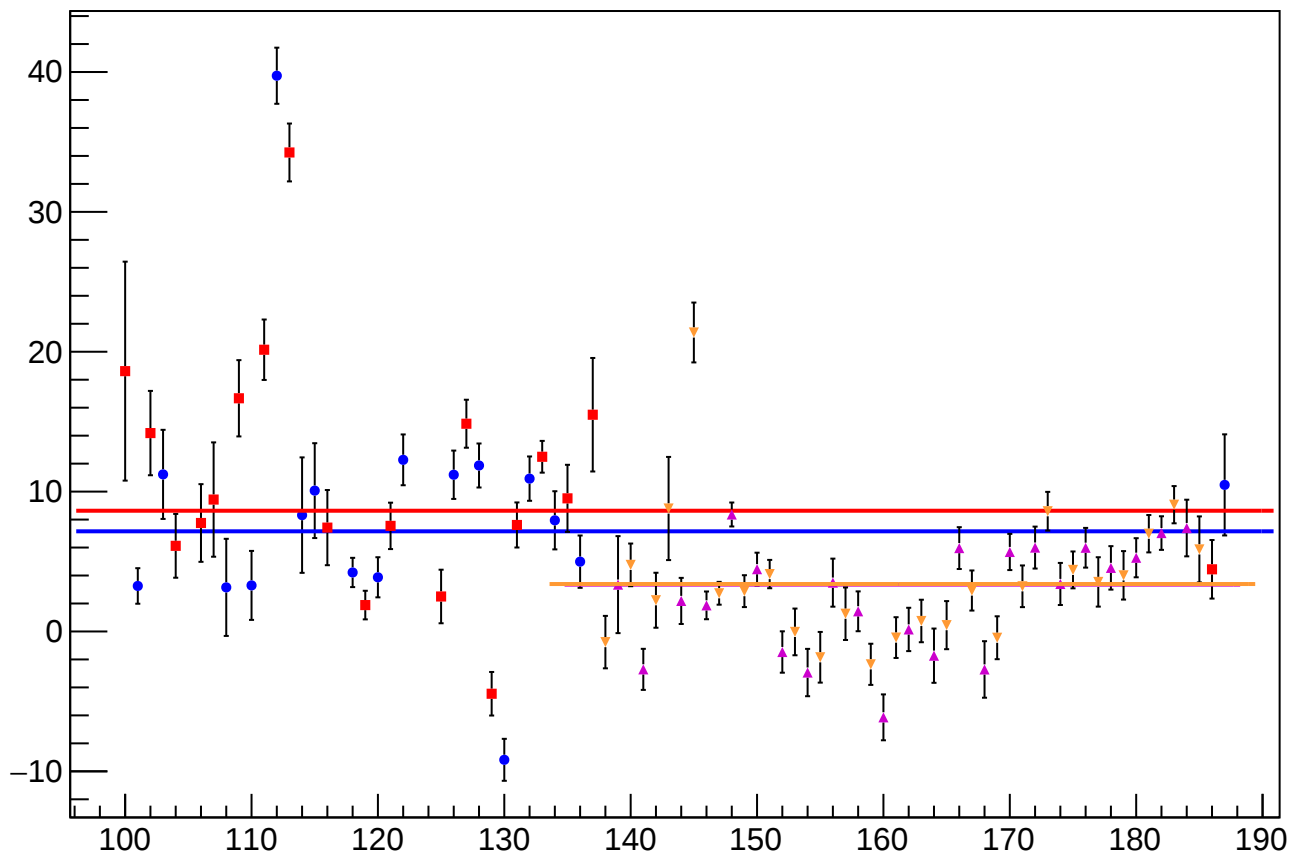
Left In: -71.534 $\pm$ 0.382 χ^2 /NDF:851.4/22

+ sign -72.189 $\pm$ 0.376 χ^2 /NDF: 1208.8/25

All: -71.271 $\pm$ 0.265 χ^2 /NDF: 2257.3/49

- sign -70.374 $\pm$ 0.372 χ^2 /NDF: 1036.7/23

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.161 ± 0.437 χ^2/NDF : 441.3/16

Left Out: 3.392 ± 0.294 χ^2/NDF : 169.9/24

Right Out: 8.632 ± 0.439 χ^2/NDF : 353.8/18

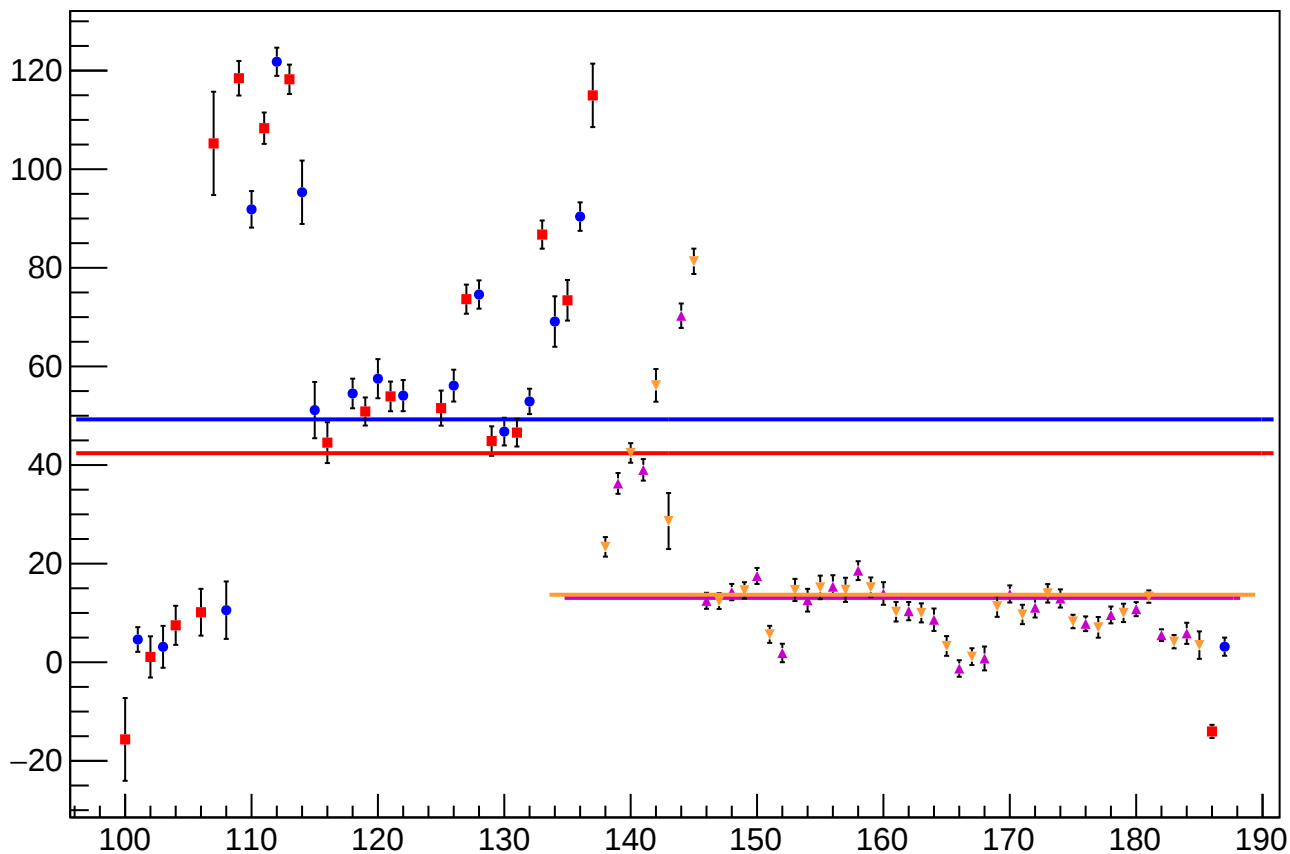
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.565 ± 0.244 χ^2/NDF : 662.4/41

All: 4.790 ± 0.173 χ^2/NDF : 1280.7/83

- sign 5.019 ± 0.247 χ^2/NDF : 616.6/41

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 49.259 $\pm$ 0.763 χ^2 /NDF: 2248.6/16

Left Out: 13.700 $\pm$ 0.381 χ^2 /NDF:1307.0/24

Right Out: 42.405 $\pm$ 0.712 χ^2 /NDF: 4204.9/18

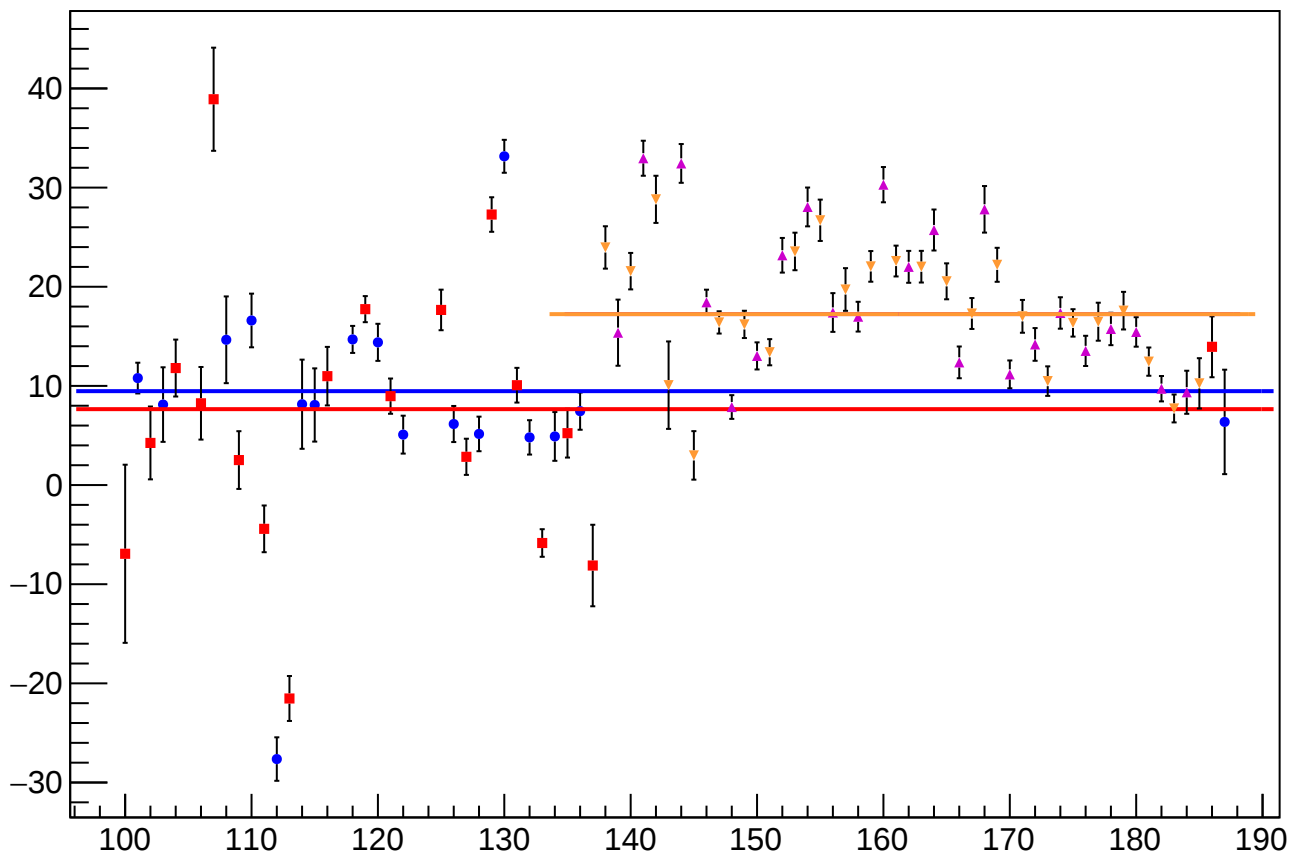
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 20.793 $\pm$ 0.341 χ^2 /NDF: 5293.9/41

All: 20.162 $\pm$ 0.239 χ^2 /NDF: 11851.7/83

- sign 19.552 $\pm$ 0.335 χ^2 /NDF: 6551.1/41

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.471 ± 0.505 χ^2/NDF : 547.6/16

Left Out: 17.238 ± 0.336 χ^2/NDF : 246.5/24

Right Out: 7.655 ± 0.509 χ^2/NDF : 571.2/18

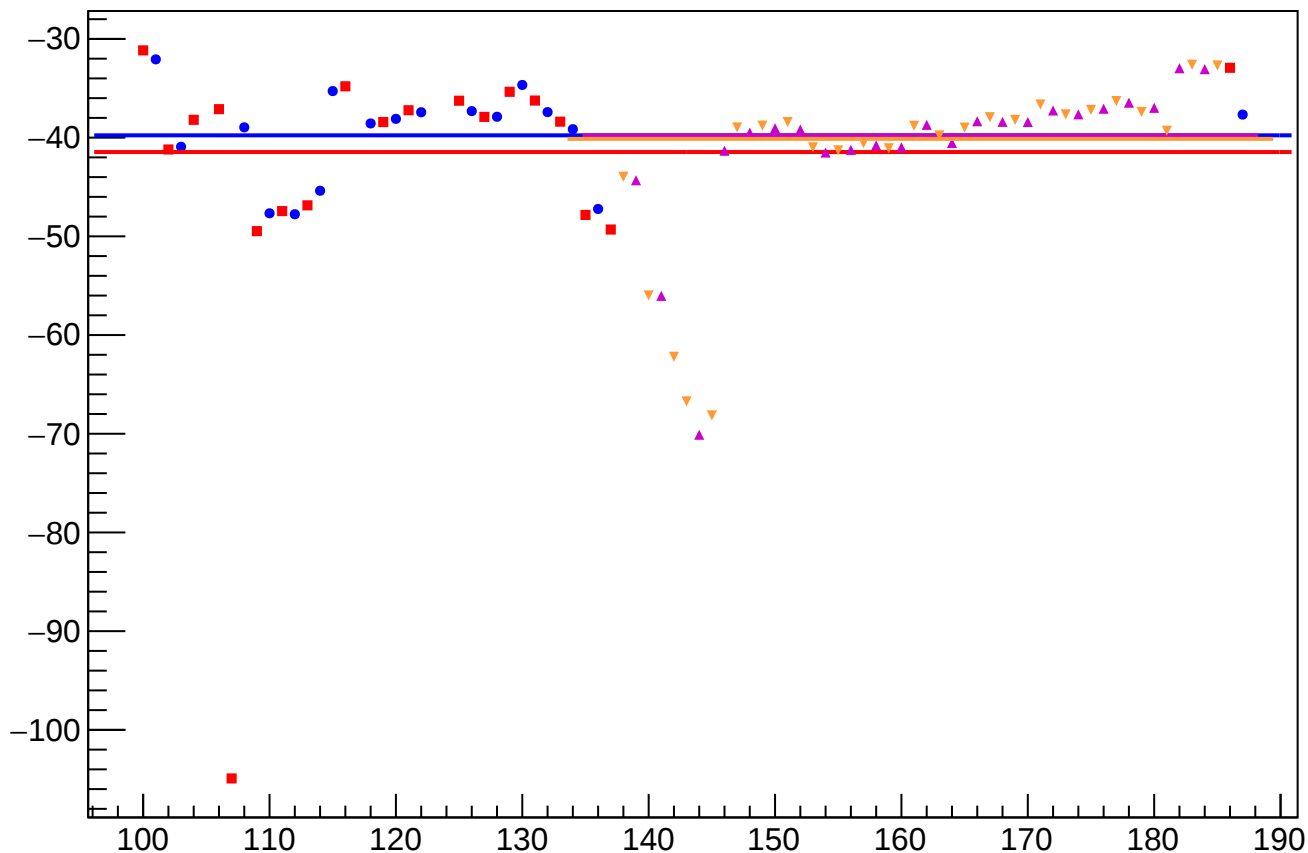
Left In: 17.245 ± 0.339 χ^2/NDF : 440.8/22

+ sign 14.856 ± 0.280 χ^2/NDF : 957.9/41

All: 14.576 ± 0.199 χ^2/NDF : 2217.8/83

- sign 14.291 ± 0.282 χ^2/NDF : 1257.9/41

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.766+/-0.031 χ^2/NDF : 26154.5/16

Left Out: -40.126+/-0.016 χ^2/NDF :185897.0/24

Right Out: -41.459+/-0.031 χ^2/NDF : 96037.3/18

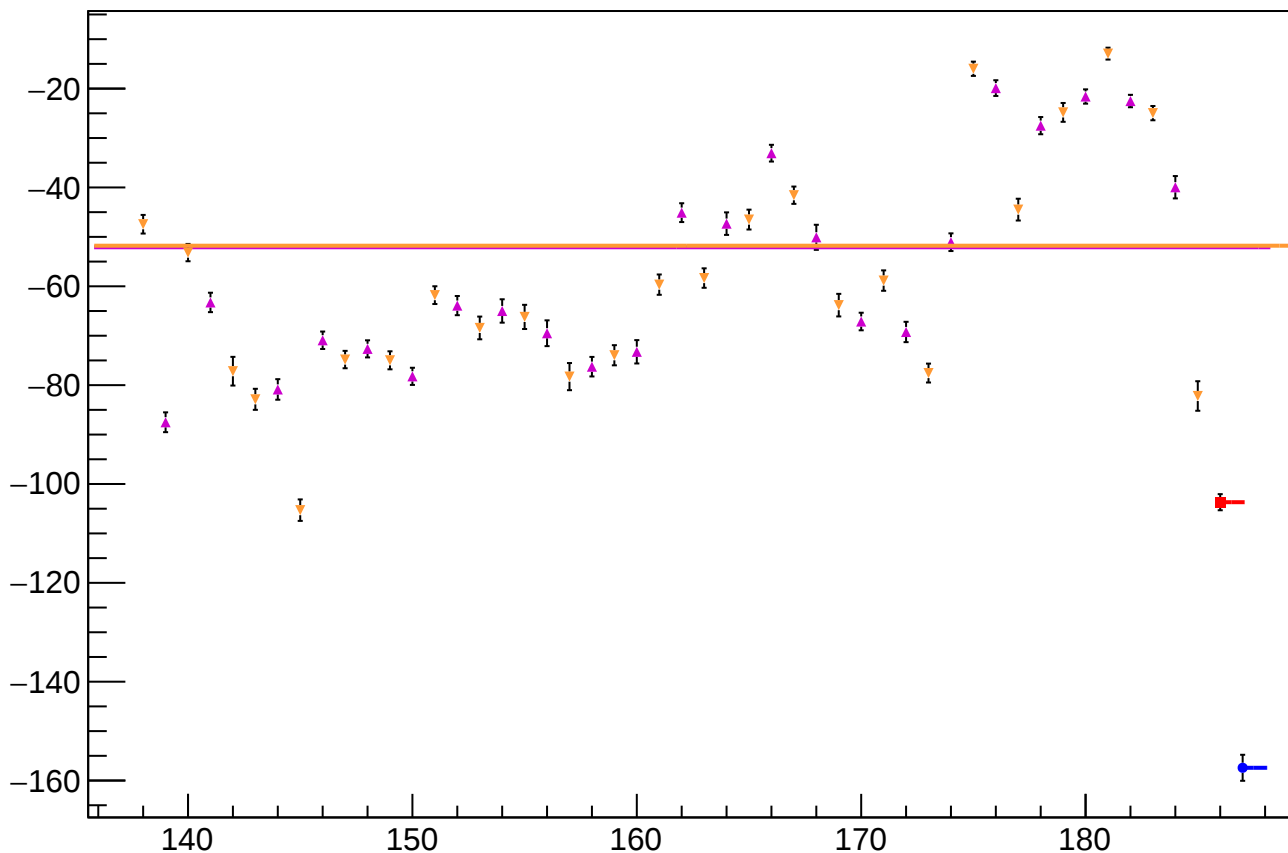
Left In: -39.785+/-0.016 χ^2/NDF :144494.5/22

+ sign -40.053+/-0.014 χ^2/NDF : 212158.1/41

All: -40.090+/-0.010 χ^2/NDF : 455039.0/83

- sign -40.126+/-0.014 χ^2/NDF : 242867.2/41

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -157.422 $\pm$ 2.632 χ^2 /NDF: 0.0/0

Left Out: -51.787 $\pm$ 0.383 χ^2 /NDF:4164.8/24

Right Out: -103.683 $\pm$ 1.632 χ^2 /NDF: 0.0/0

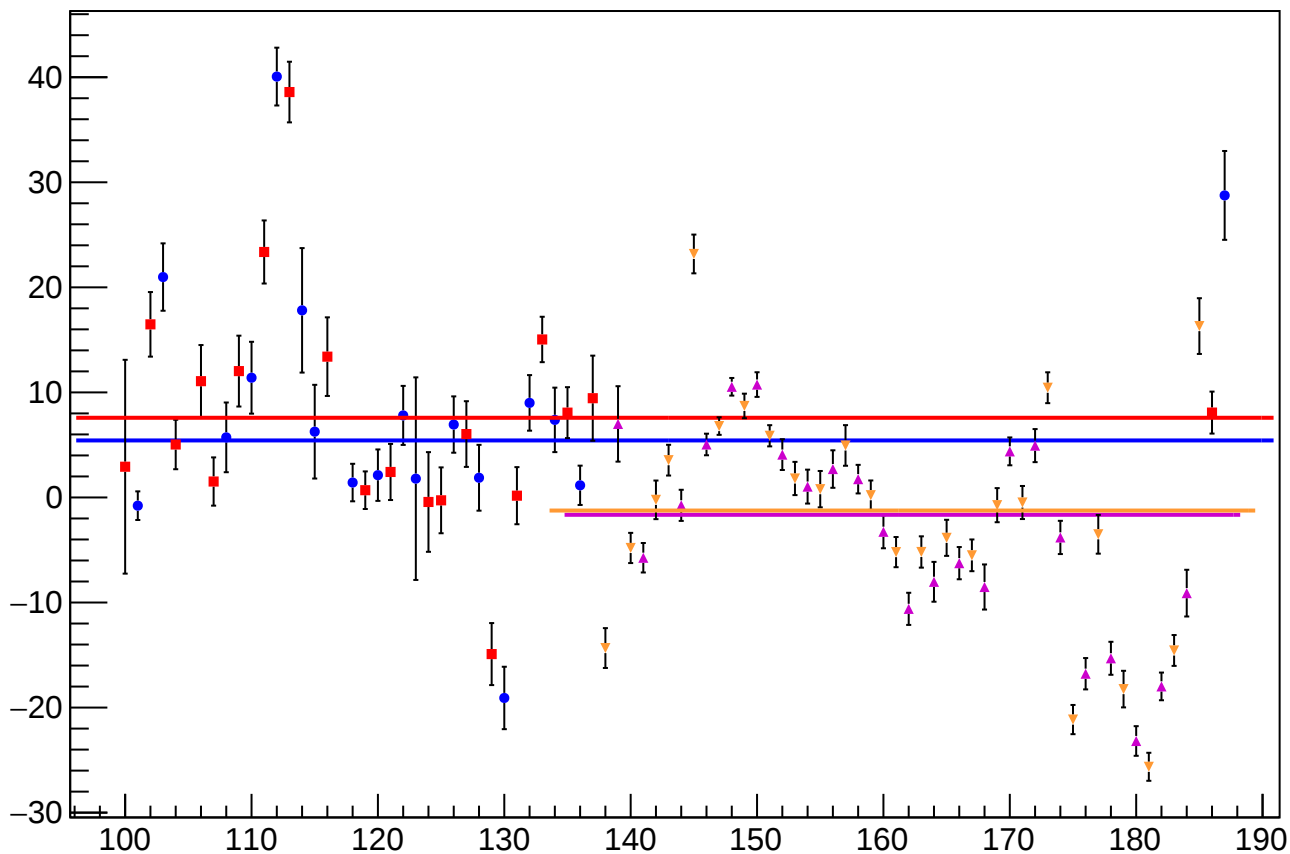
Left In: -52.104 $\pm$ 0.389 χ^2 /NDF:3280.2/22

+ sign -53.973 $\pm$ 0.379 χ^2 /NDF: 5742.6/25

All: -54.424 $\pm$ 0.268 χ^2 /NDF: 9971.4/49

- sign -54.874 $\pm$ 0.378 χ^2 /NDF: 4226.0/23

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 5.427 ± 0.622 $\chi^2/\text{NDF}: 325.4/17$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 7.585 ± 0.619 $\chi^2/\text{NDF}: 270.6/19$

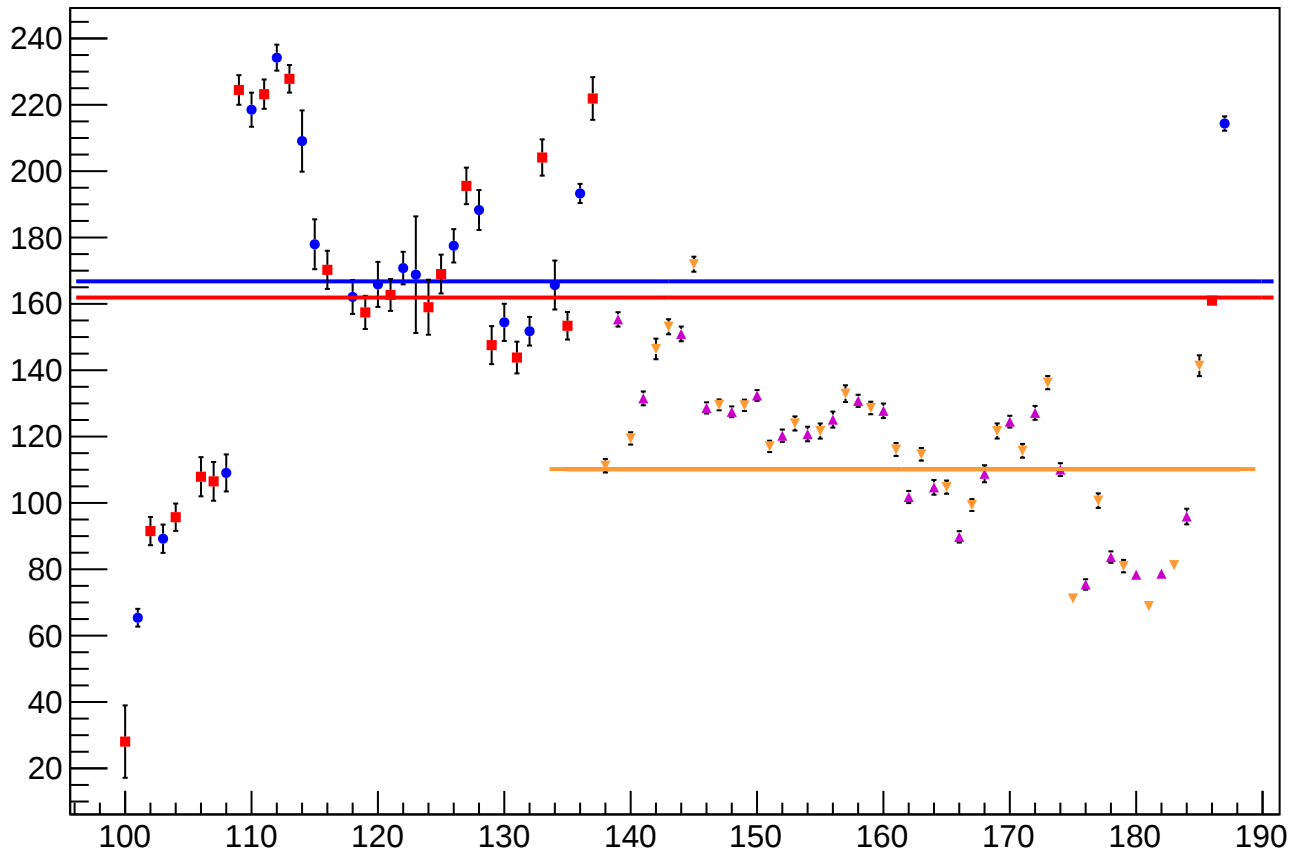
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign -0.042 ± 0.264 $\chi^2/\text{NDF}: 1742.5/42$

All: 0.031 ± 0.189 $\chi^2/\text{NDF}: 3285.5/85$

- sign 0.107 ± 0.270 $\chi^2/\text{NDF}: 1542.9/42$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 166.784 $\pm$ 1.017 χ^2 /NDF: 2888.4/17

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 161.906 $\pm$ 0.875 χ^2 /NDF: 1709.7/19

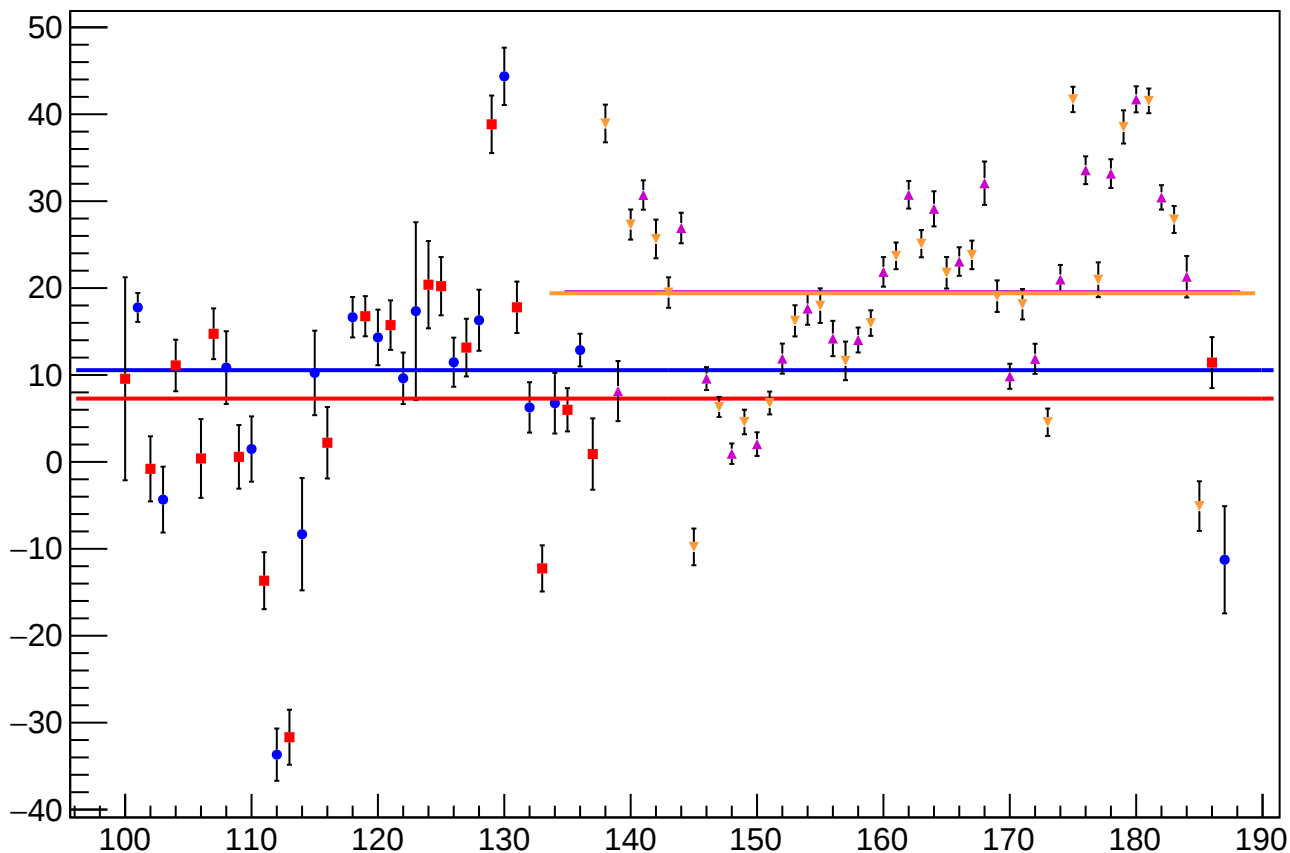
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 117.214 $\pm$ 0.358 χ^2 /NDF: 10195.7/42

All: 117.919 $\pm$ 0.251 χ^2 /NDF: 18544.7/85

- sign 118.606 $\pm$ 0.353 χ^2 /NDF: 8341.3/42

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.555 $\pm$ 0.716 χ^2/NDF : 399.0/17

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 7.287 $\pm$ 0.725 χ^2/NDF : 425.5/19

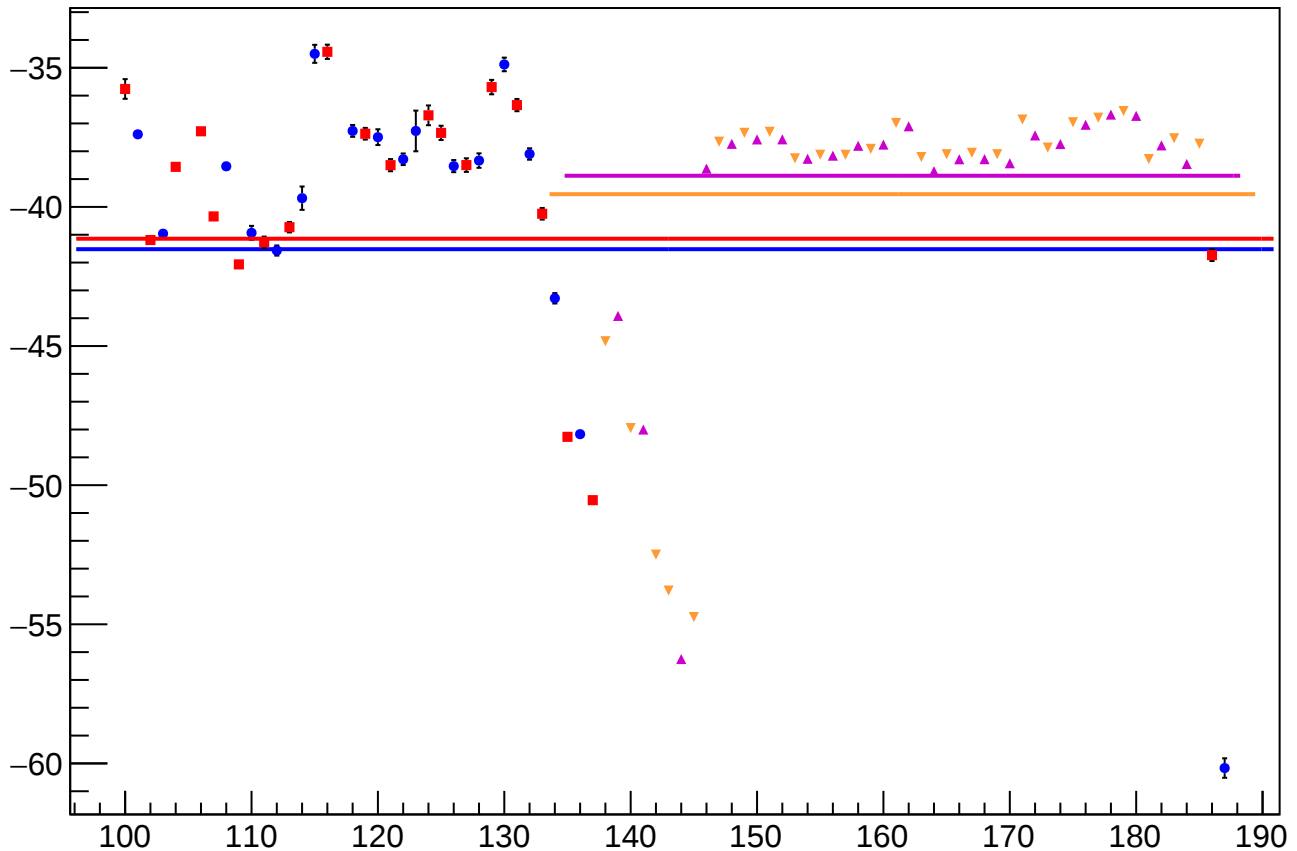
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 17.817 $\pm$ 0.303 χ^2/NDF : 1977.8/42

All: 17.563 $\pm$ 0.217 χ^2/NDF : 3819.0/85

- sign 17.298 $\pm$ 0.310 χ^2/NDF : 1839.8/42

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.519 ± 0.038 χ^2/NDF : 15372.1/17

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -41.143 ± 0.038 χ^2/NDF : 12123.1/19

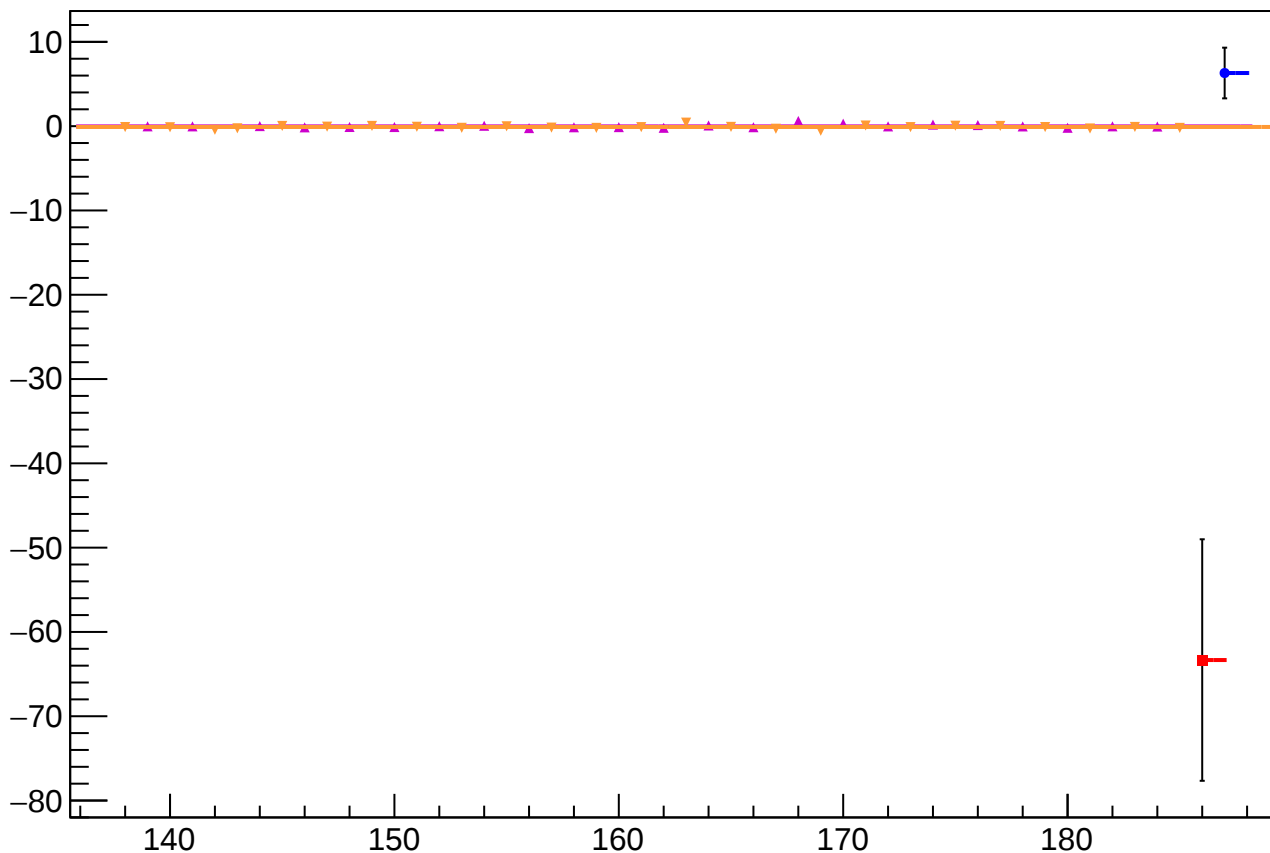
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.826 ± 0.015 χ^2/NDF : 109666.3/42

All: -39.522 ± 0.010 χ^2/NDF : 179088.2/85

- sign -39.215 ± 0.015 χ^2/NDF : 68546.0/42

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 6.304 $\pm$ 3.007 χ^2 /NDF: 0.0/0

Left Out: -0.095 $\pm$ 0.022 χ^2 /NDF: 41.8/24

Right Out: -63.334 $\pm$ 14.326 χ^2 /NDF: 0.0/0

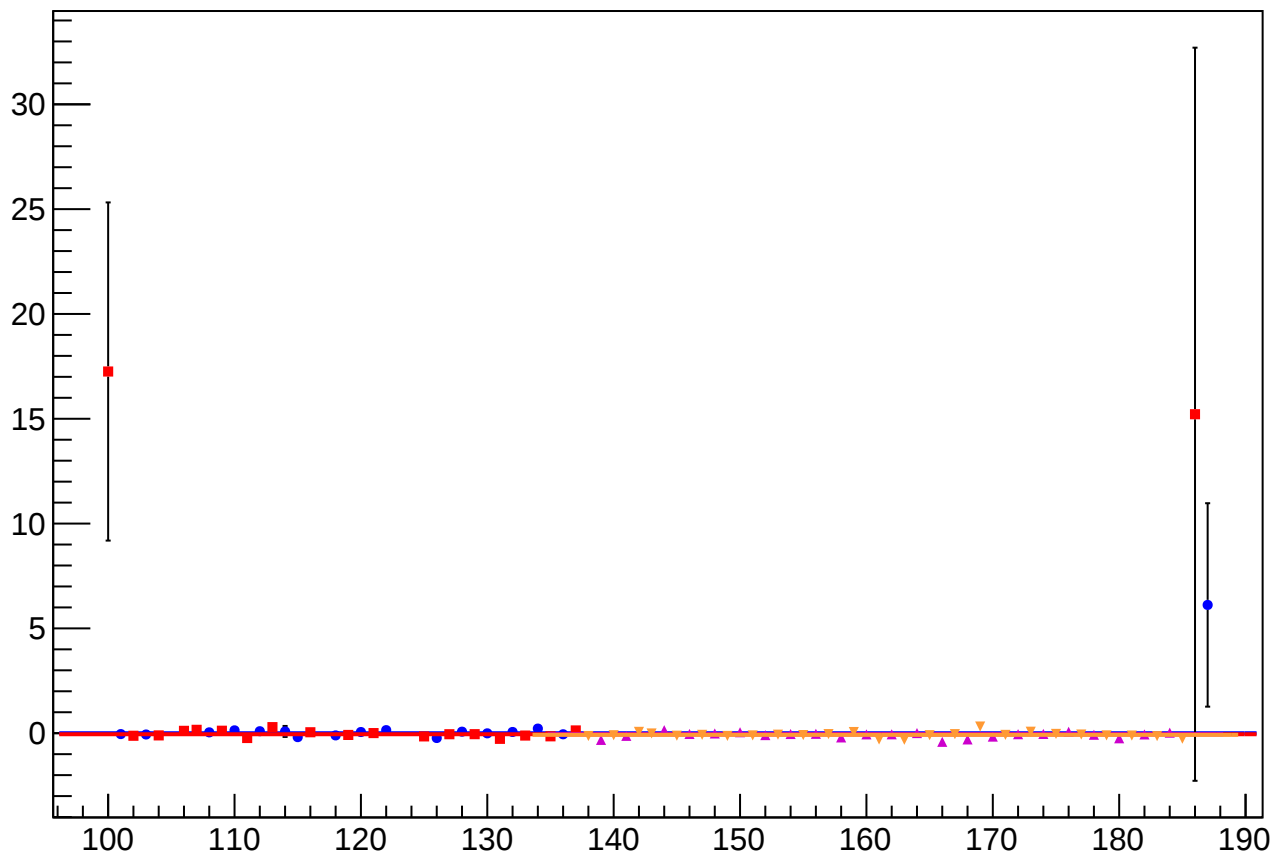
Left In: -0.026 $\pm$ 0.022 χ^2 /NDF: 33.3/22

+ sign -0.094 $\pm$ 0.022 χ^2 /NDF: 46.4/25

All: -0.061 $\pm$ 0.016 χ^2 /NDF: 104.1/49

- sign -0.026 $\pm$ 0.022 χ^2 /NDF: 52.8/23

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 14.3/16

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.050 ± 0.029 χ^2/NDF : 26.3/18

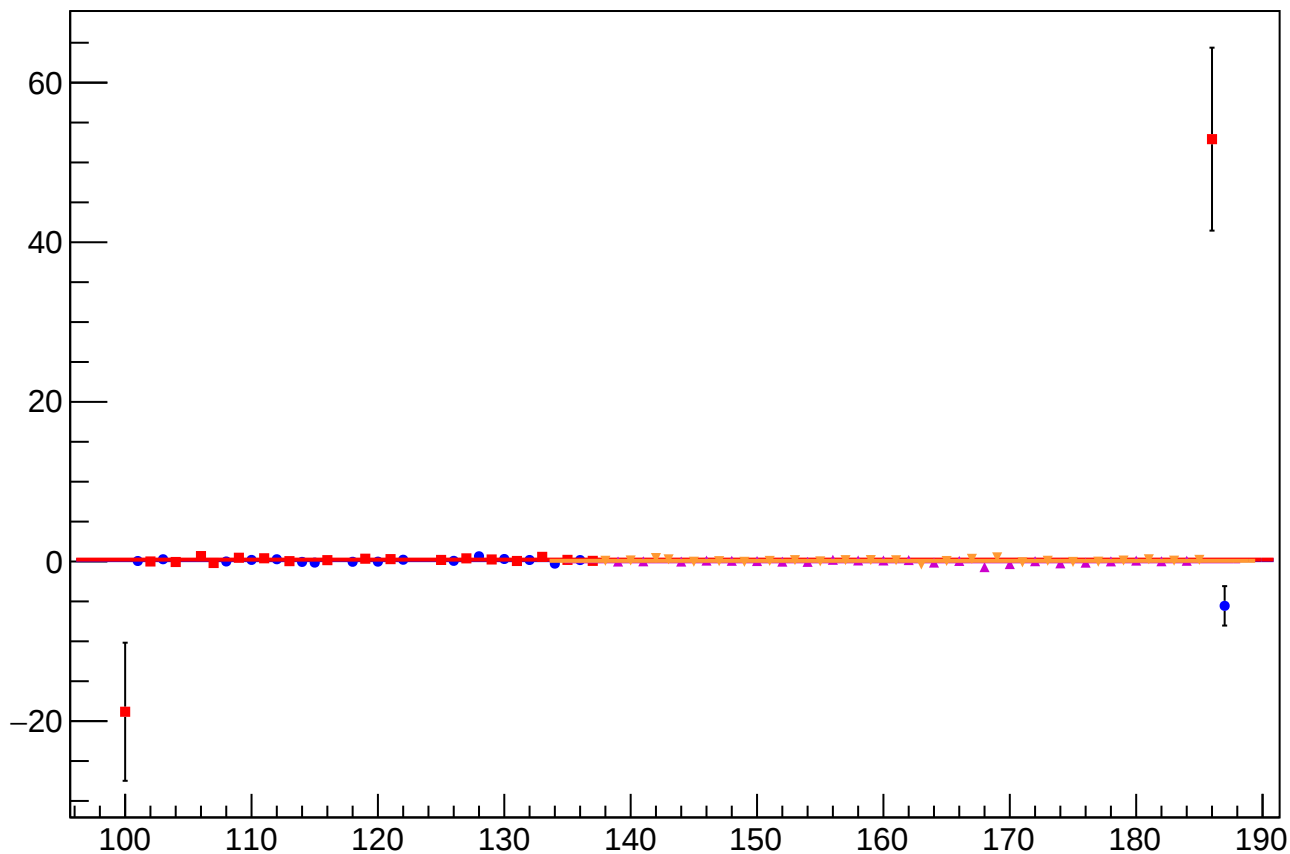
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 46.1/41

All: -0.055 ± 0.010 χ^2/NDF : 104.2/83

- sign -0.052 ± 0.015 χ^2/NDF : 58.0/41

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 $\pm$ 0.053 χ^2 /NDF: 17.8/16

Left Out: 0.088 $\pm$ 0.022 χ^2 /NDF: 40.7/24

Right Out: 0.237 $\pm$ 0.054 χ^2 /NDF: 42.6/18

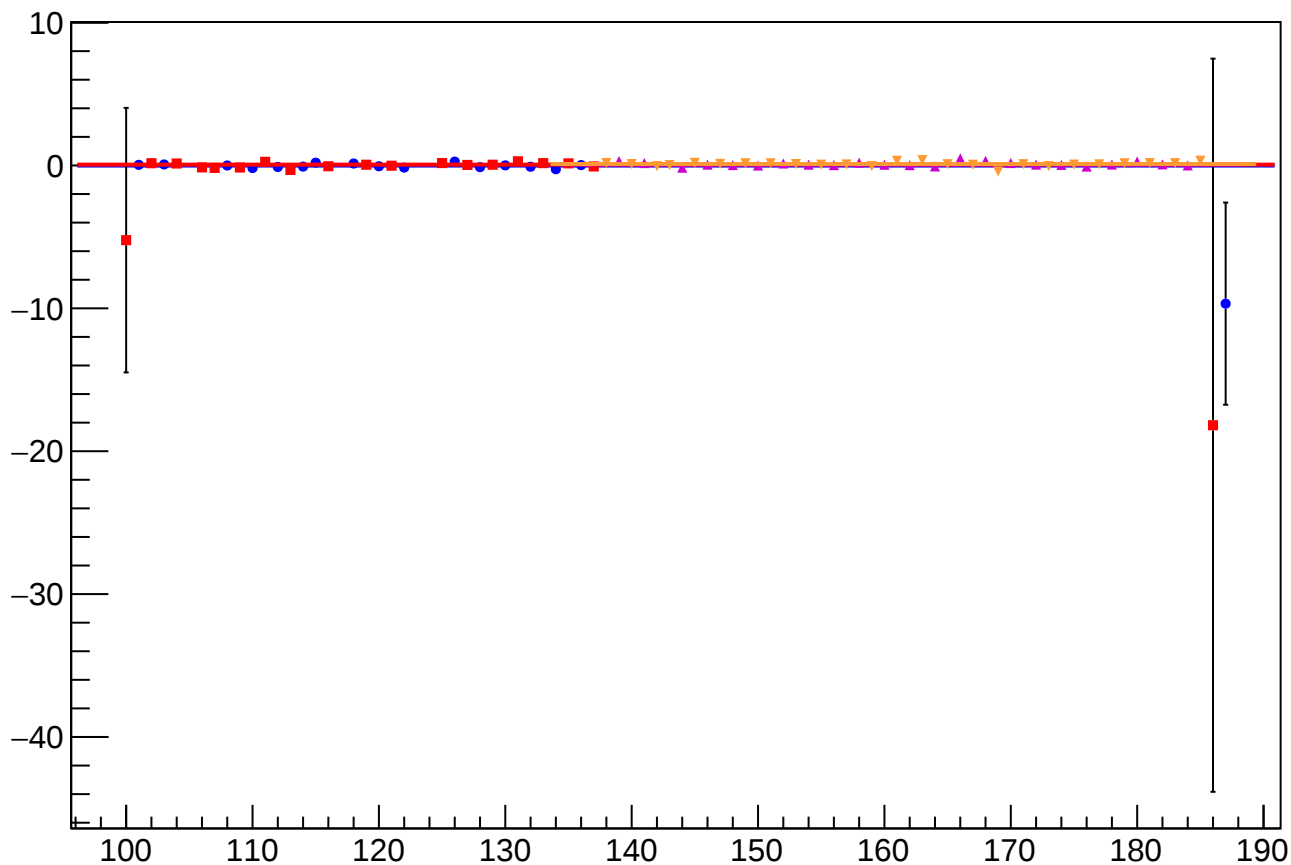
Left In: 0.020 $\pm$ 0.022 χ^2 /NDF: 35.6/22

+ sign 0.100 $\pm$ 0.020 χ^2 /NDF: 60.7/41

All: 0.076 $\pm$ 0.014 χ^2 /NDF: 155.5/83

- sign 0.051 $\pm$ 0.021 χ^2 /NDF: 92.0/41

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 15.9/16

Left Out: 0.102 ± 0.019 χ^2/NDF : 30.2/24

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.8/18

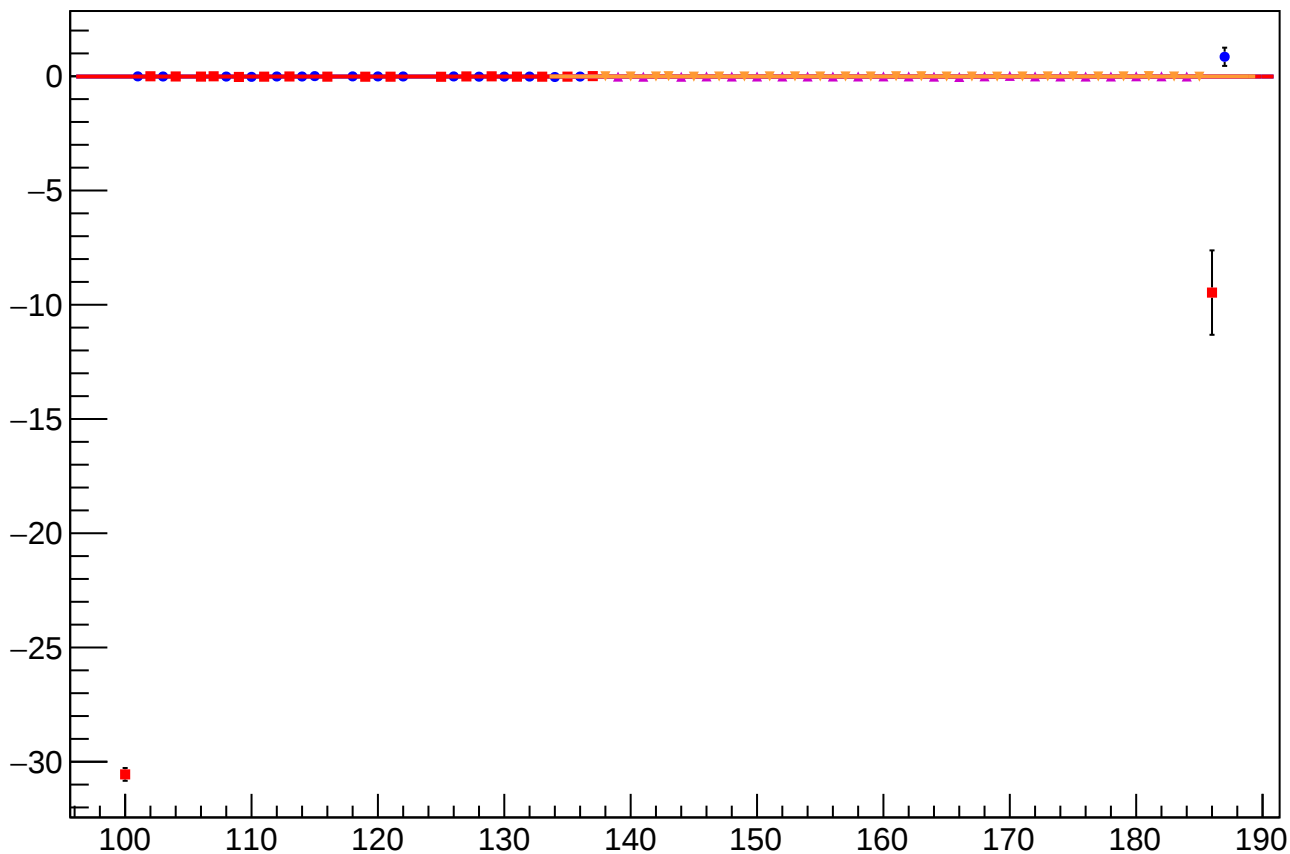
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.074 ± 0.017 χ^2/NDF : 54.2/41

All: 0.070 ± 0.012 χ^2/NDF : 106.6/83

- sign 0.066 ± 0.017 χ^2/NDF : 52.3/41

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 17.5/16

Left Out: -0.008 ± 0.001 χ^2/NDF : 34.7/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11917.0/18

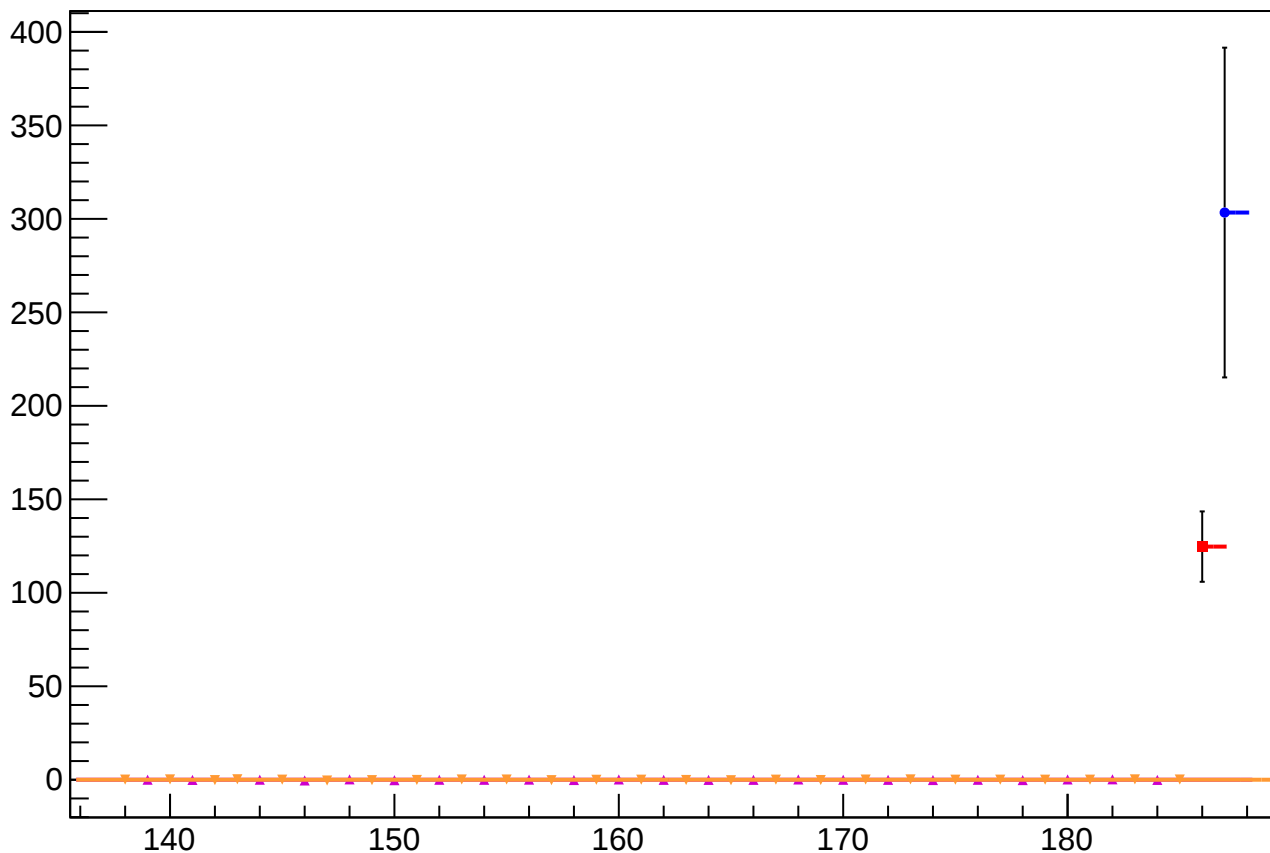
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.008 ± 0.001 χ^2/NDF : 56.7/41

All: -0.009 ± 0.001 χ^2/NDF : 12017.9/83

- sign -0.009 ± 0.001 χ^2/NDF : 11960.5/41

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 303.382 $\pm$ 88.188 χ^2 /NDF: 0.0/0

Left Out: 0.017 $\pm$ 0.027 χ^2 /NDF:30.9/24

Right Out: 124.707 $\pm$ 18.821 χ^2 /NDF: 0.0/0

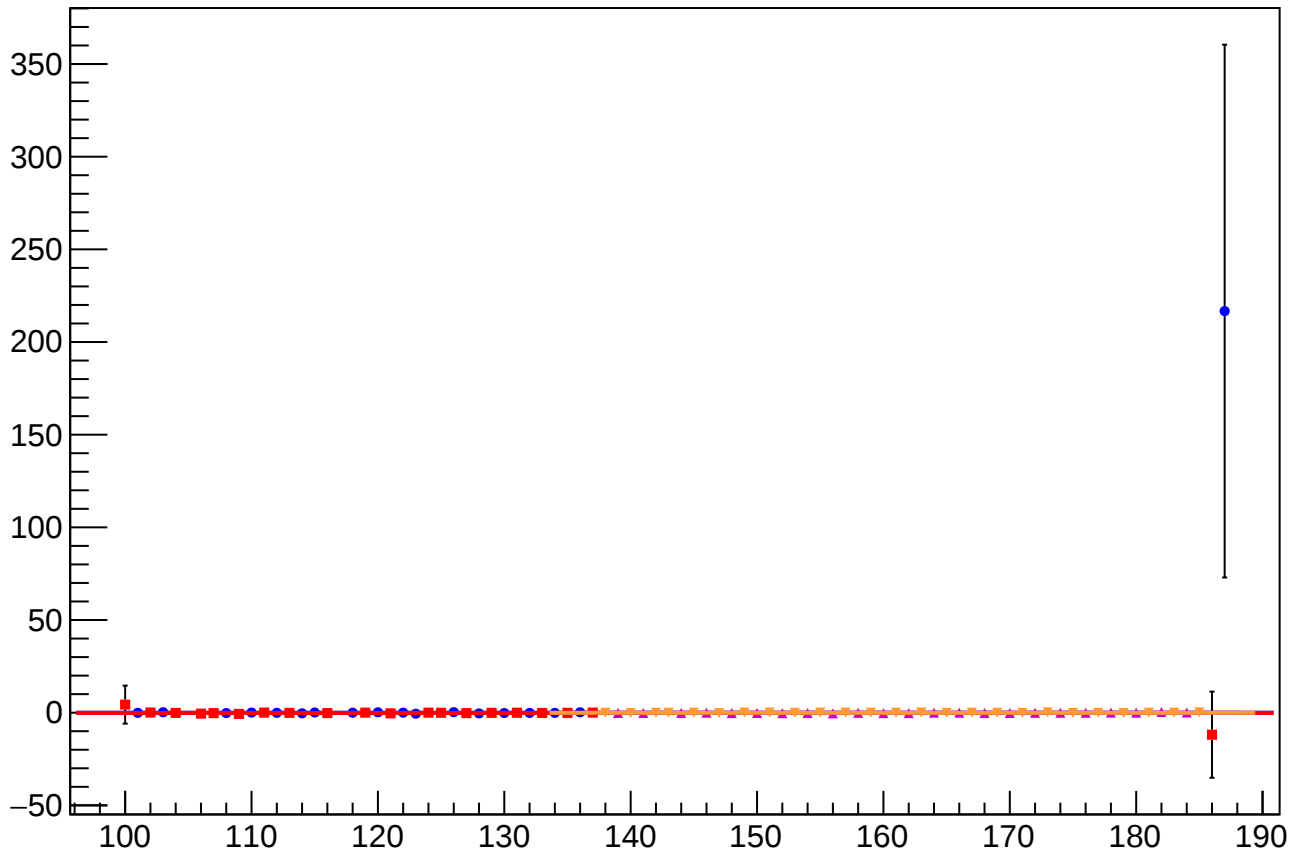
Left In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22

+ sign 0.018 $\pm$ 0.027 χ^2 /NDF: 42.8/25

All: 0.010 $\pm$ 0.019 χ^2 /NDF: 115.8/49

- sign 0.003 $\pm$ 0.028 χ^2 /NDF: 72.9/23

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 25.2/17

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 18.7/19

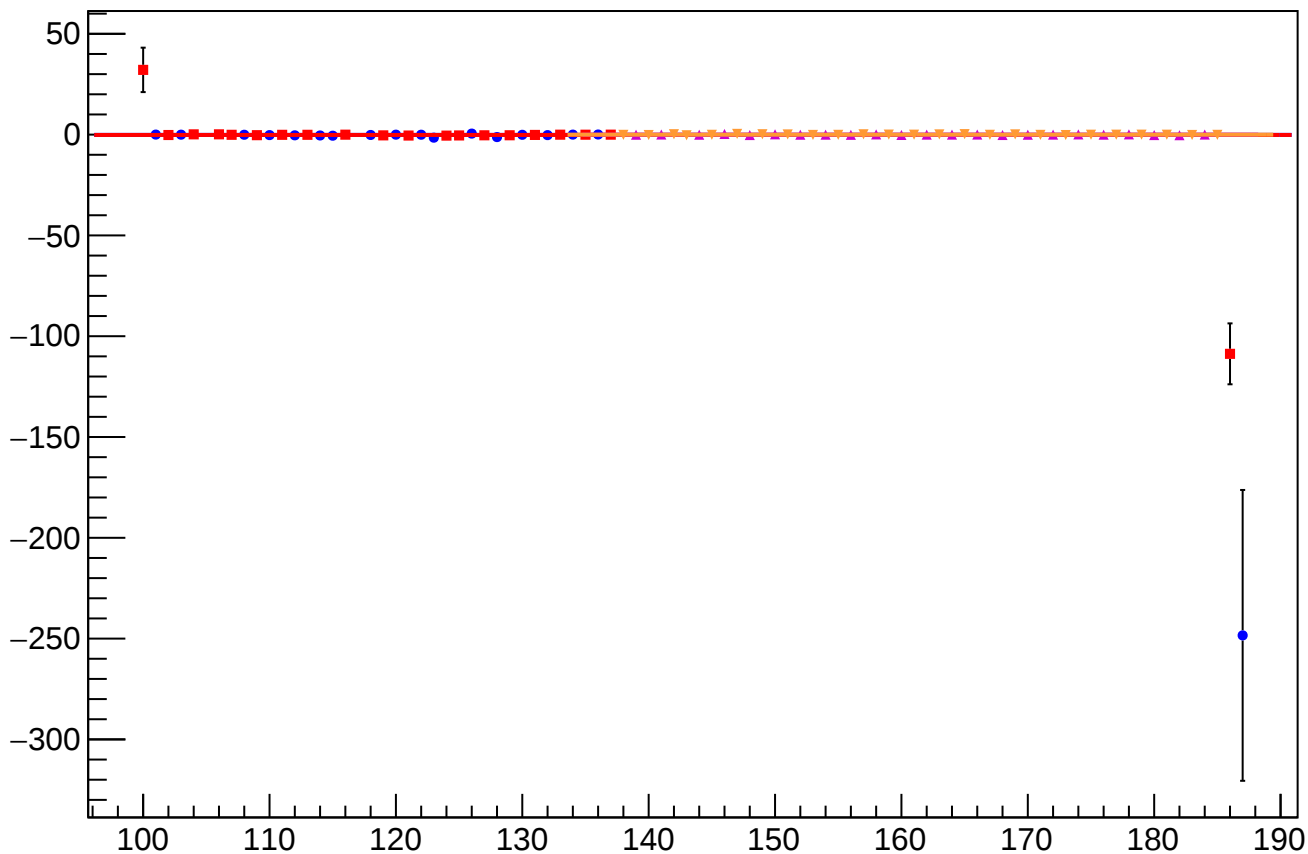
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 50.6/42

All: -0.066 ± 0.013 χ^2/NDF : 121.0/85

- sign -0.083 ± 0.019 χ^2/NDF : 68.9/42

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 36.6/17

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 66.1/19

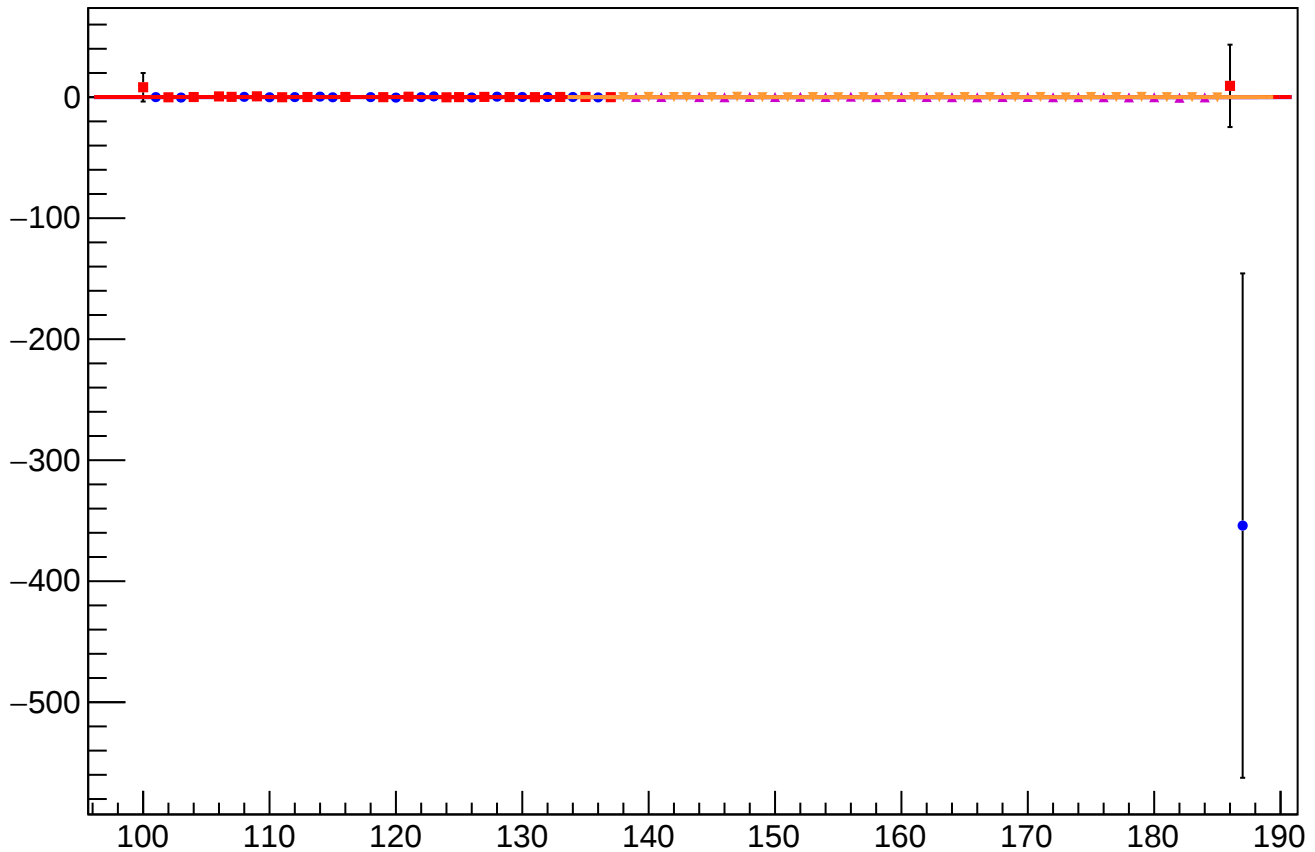
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 68.2/42

All: -0.042 ± 0.018 χ^2/NDF : 166.0/85

- sign -0.050 ± 0.026 χ^2/NDF : 97.6/42

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.019 $\pm$ 0.043 χ^2 /NDF: 24.5/17

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 16.9/19

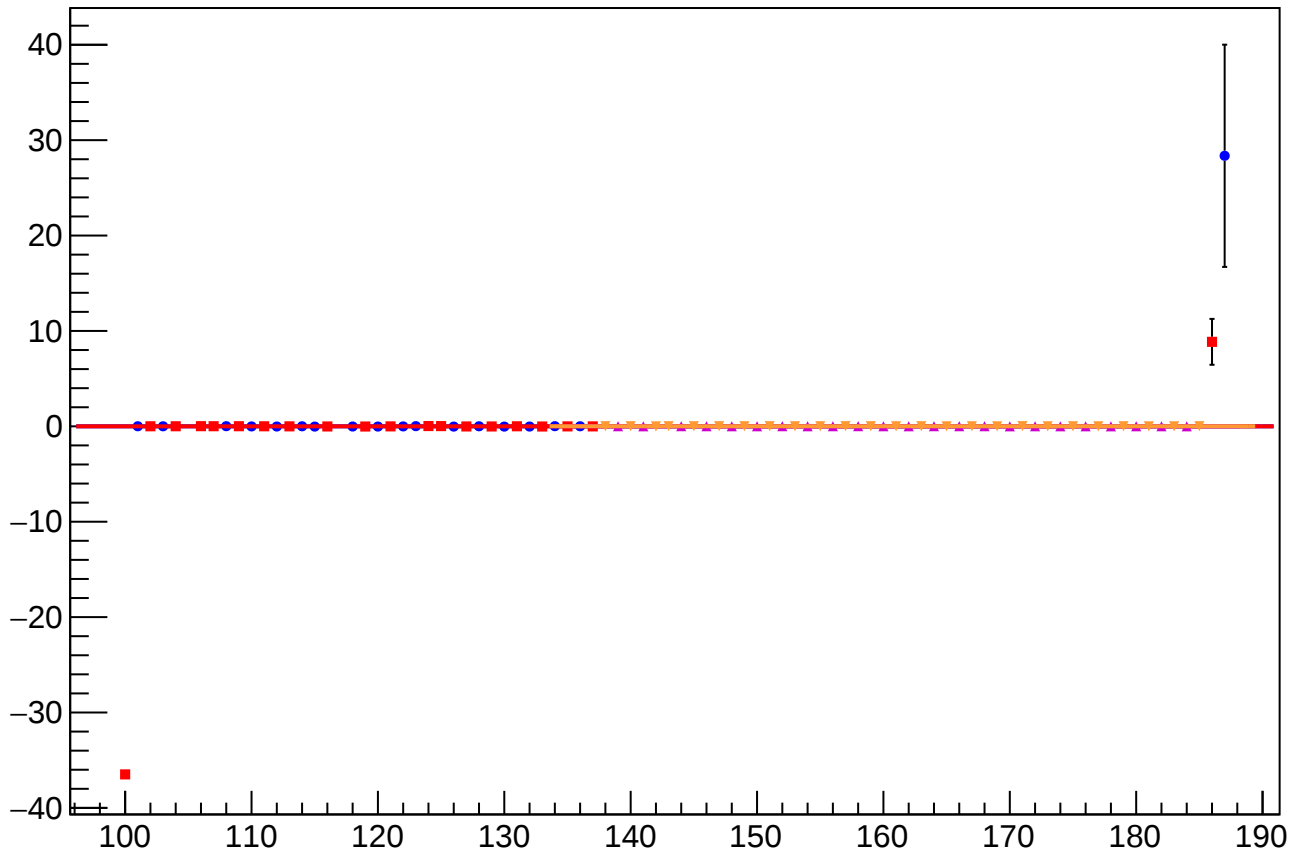
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 50.0/42

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 122.0/85

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 70.8/42

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 36.4/17

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 26.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10462.7/19

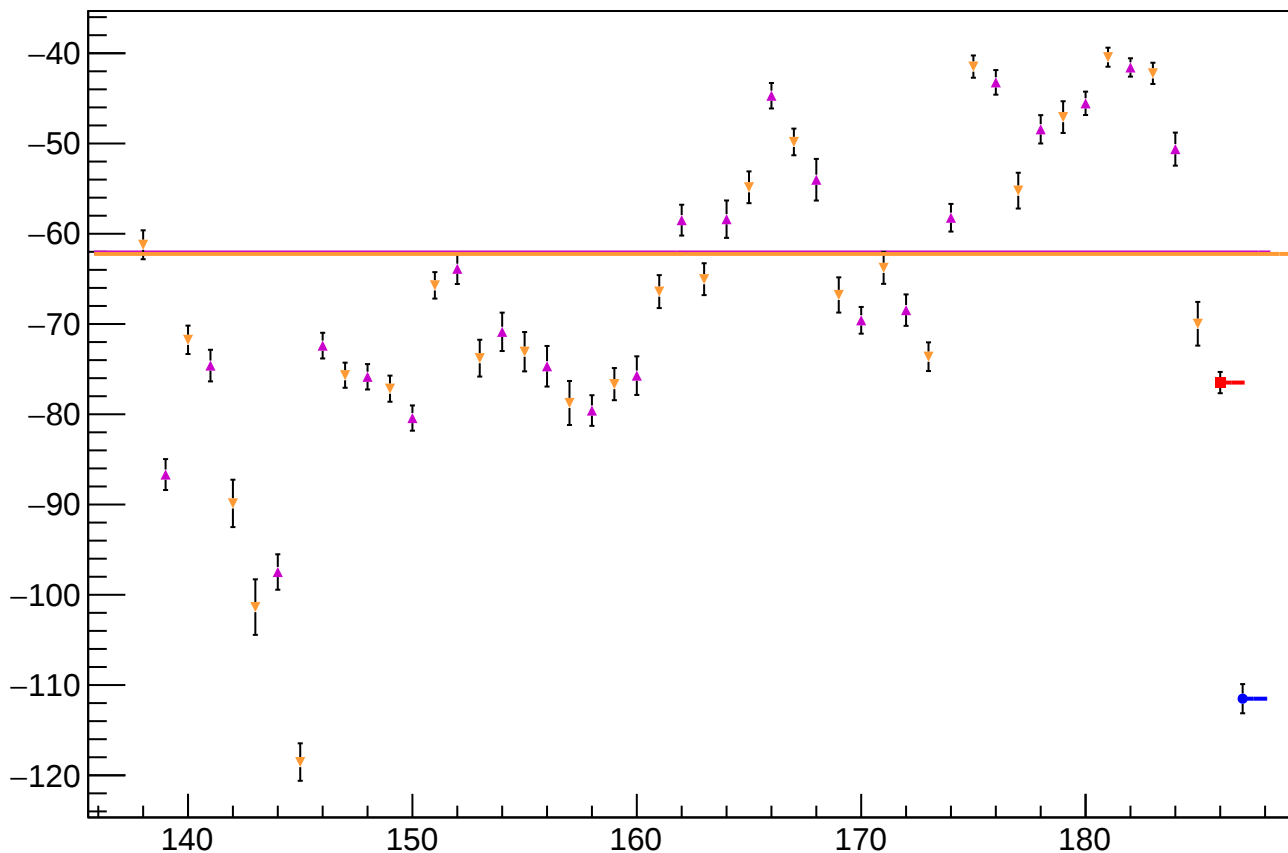
Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 15.0/22

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 70.8/42

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10559.0/85

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10488.1/42

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -111.512 $\pm$ 1.617 χ^2 /NDF: 0.0/0

Left Out: -62.232 $\pm$ 0.332 χ^2 /NDF:2668.5/24

Right Out: -76.488 $\pm$ 1.179 χ^2 /NDF: 0.0/0

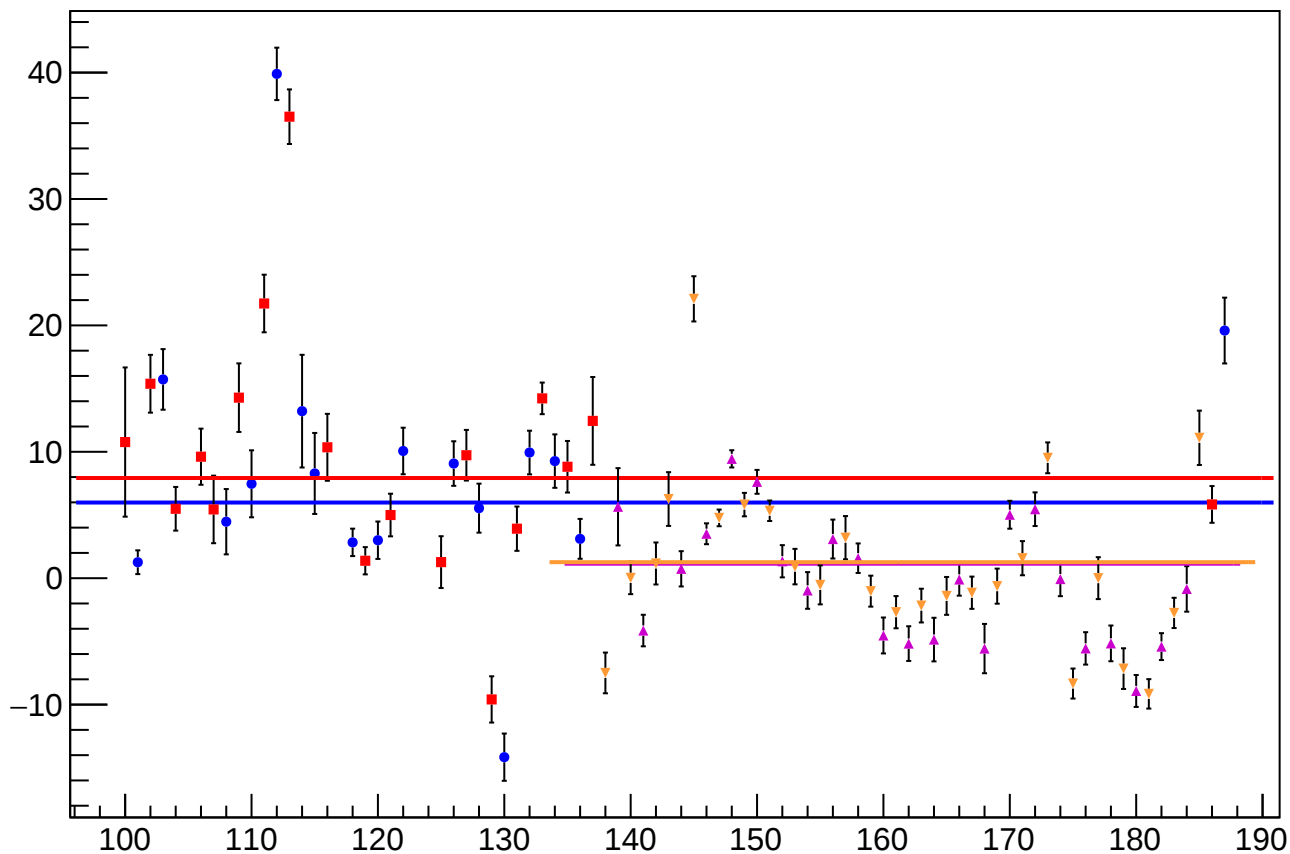
Left In: -62.073 $\pm$ 0.332 χ^2 /NDF:2192.0/22

+ sign -64.223 $\pm$ 0.325 χ^2 /NDF: 3559.2/25

All: -63.670 $\pm$ 0.228 χ^2 /NDF: 5895.5/49

- sign -63.135 $\pm$ 0.320 χ^2 /NDF: 2330.5/23

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.986 ± 0.424 $\chi^2/\text{NDF}: 488.1/16$

Left Out: 1.269 ± 0.251 $\chi^2/\text{NDF}: 531.9/24$

Right Out: 7.926 ± 0.433 $\chi^2/\text{NDF}: 409.9/18$

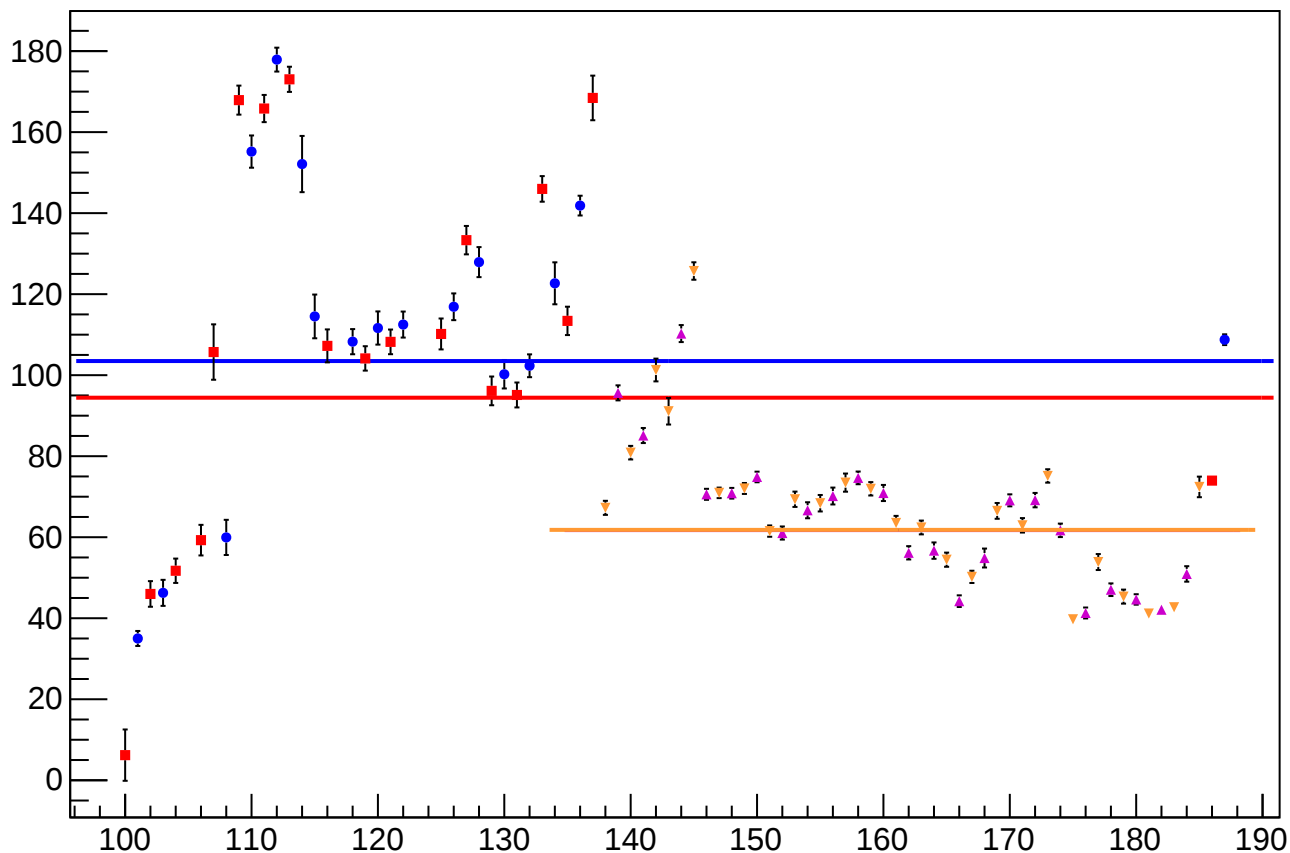
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 2.491 ± 0.216 $\chi^2/\text{NDF}: 1111.7/41$

All: 2.690 ± 0.154 $\chi^2/\text{NDF}: 2168.4/83$

- sign 2.897 ± 0.220 $\chi^2/\text{NDF}: 1055.0/41$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 103.488 $\pm$ 0.694 χ^2 /NDF: 2994.8/16

Left Out: 61.812 $\pm$ 0.331 χ^2 /NDF: 2686.4/24

Right Out: 94.440 $\pm$ 0.626 χ^2 /NDF: 3362.6/18

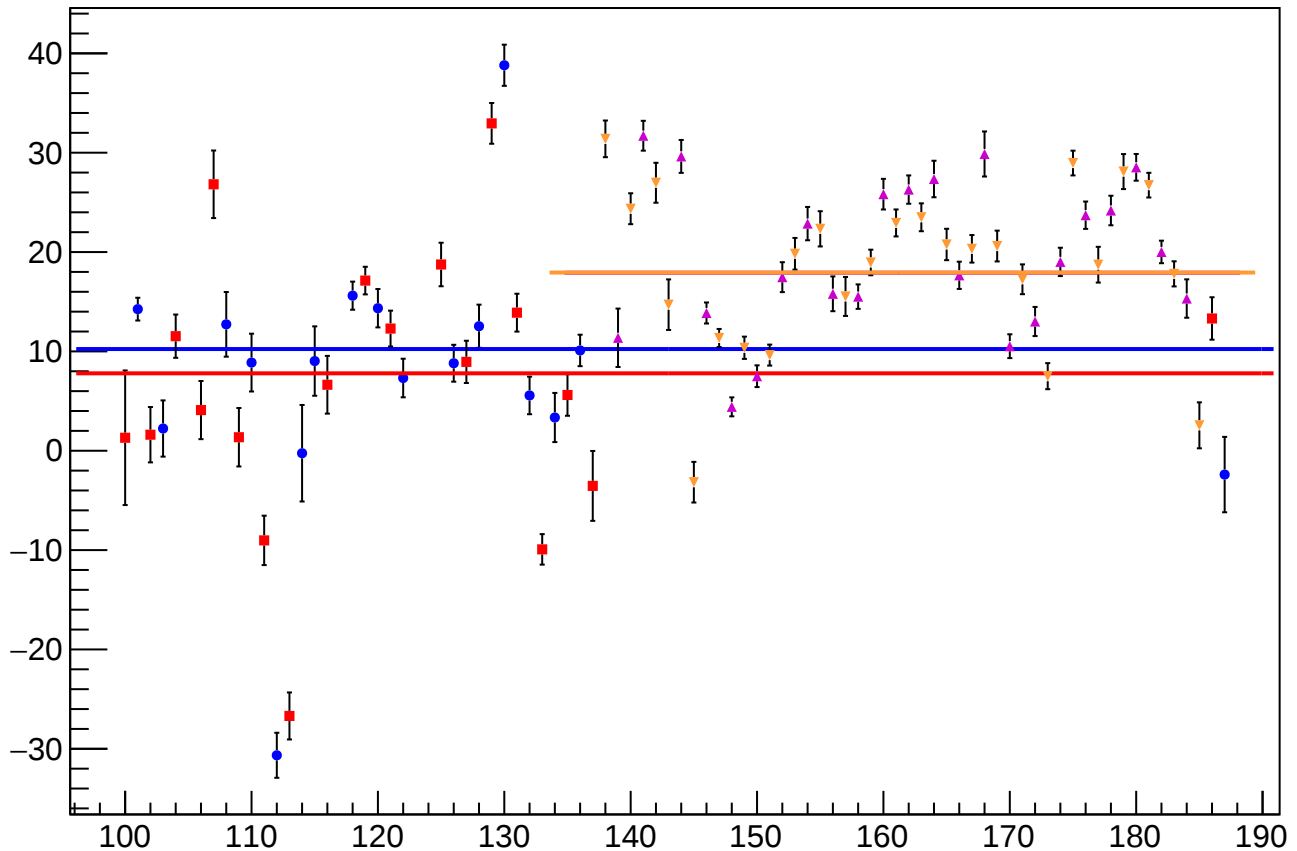
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 69.526 $\pm$ 0.298 χ^2 /NDF: 8622.2/41

All: 69.194 $\pm$ 0.209 χ^2 /NDF: 16540.4/83

- sign 68.875 $\pm$ 0.292 χ^2 /NDF: 7915.8/41

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.237 $\pm$ 0.494 χ^2 /NDF: 589.2/16

Left Out: 17.937 $\pm$ 0.289 χ^2 /NDF: 676.0/24

Right Out: 7.793 $\pm$ 0.509 χ^2 /NDF: 693.6/18

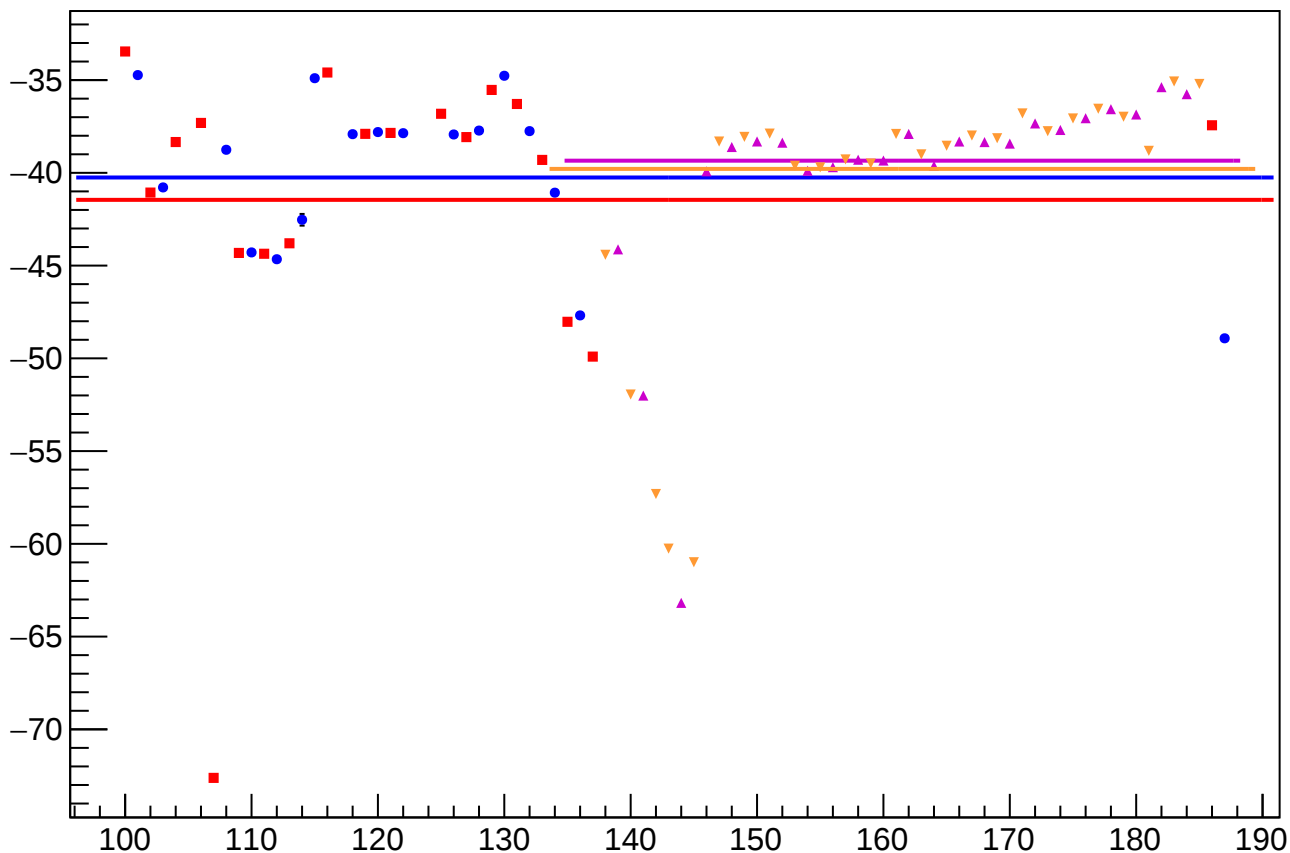
Left In: 17.916 $\pm$ 0.292 χ^2 /NDF: 726.5/22

+ sign 15.974 $\pm$ 0.249 χ^2 /NDF: 1446.3/41

All: 15.694 $\pm$ 0.178 χ^2 /NDF: 3166.3/83

- sign 15.405 $\pm$ 0.254 χ^2 /NDF: 1717.5/41

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.251+/-0.028 χ^2/NDF : 26718.5/16

Left Out: -39.788+/-0.014 χ^2/NDF :165493.8/24

Right Out: -41.456+/-0.028 χ^2/NDF : 62396.3/18

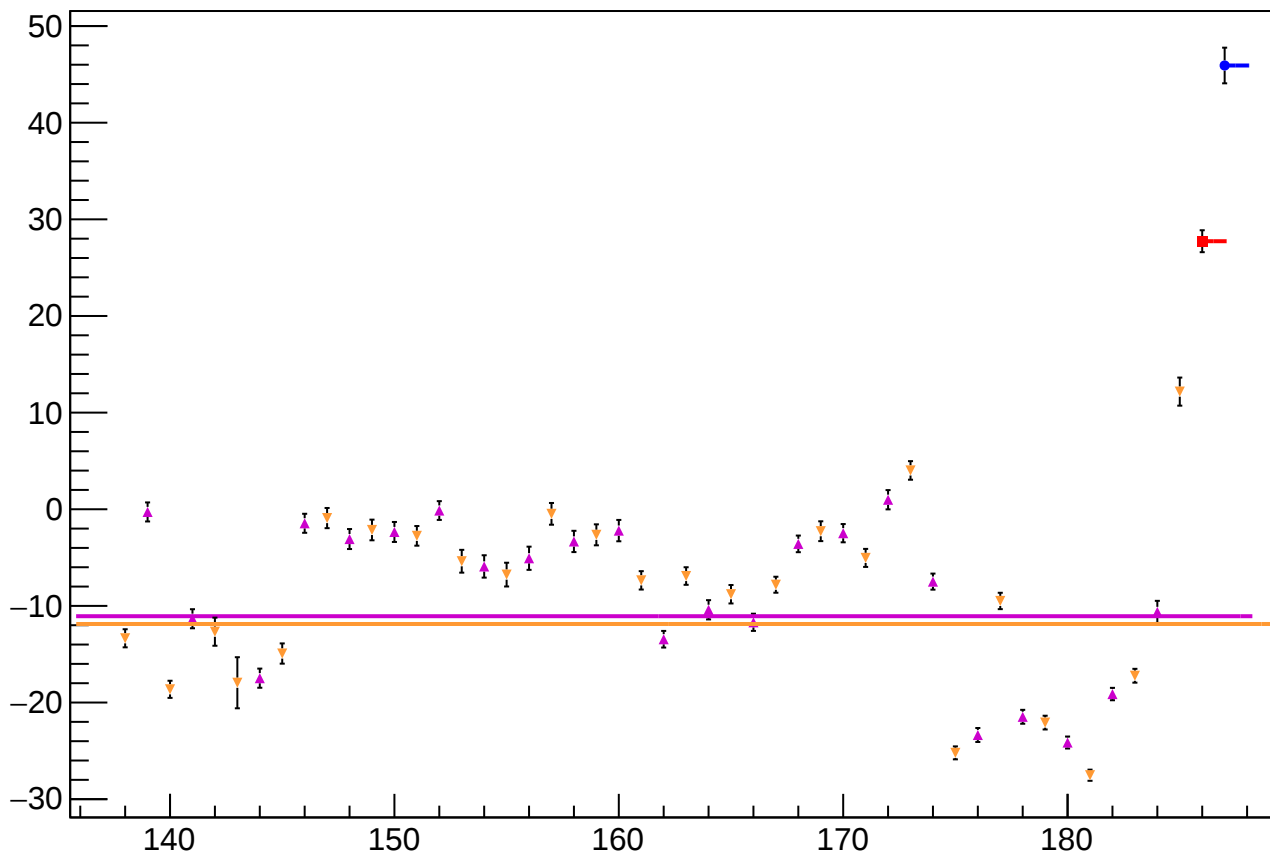
Left In: -39.344+/-0.014 χ^2/NDF :116615.7/22

+ sign -39.876+/-0.012 χ^2/NDF : 192432.0/41

All: -39.810+/-0.009 χ^2/NDF : 376071.2/83

- sign -39.744+/-0.012 χ^2/NDF : 183581.1/41

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 45.919 $\pm$ 1.845 χ^2 /NDF: 0.0/0

Left Out: -11.873 $\pm$ 0.186 χ^2 /NDF: 2745.2/24

Right Out: 27.736 $\pm$ 1.135 χ^2 /NDF: 0.0/0

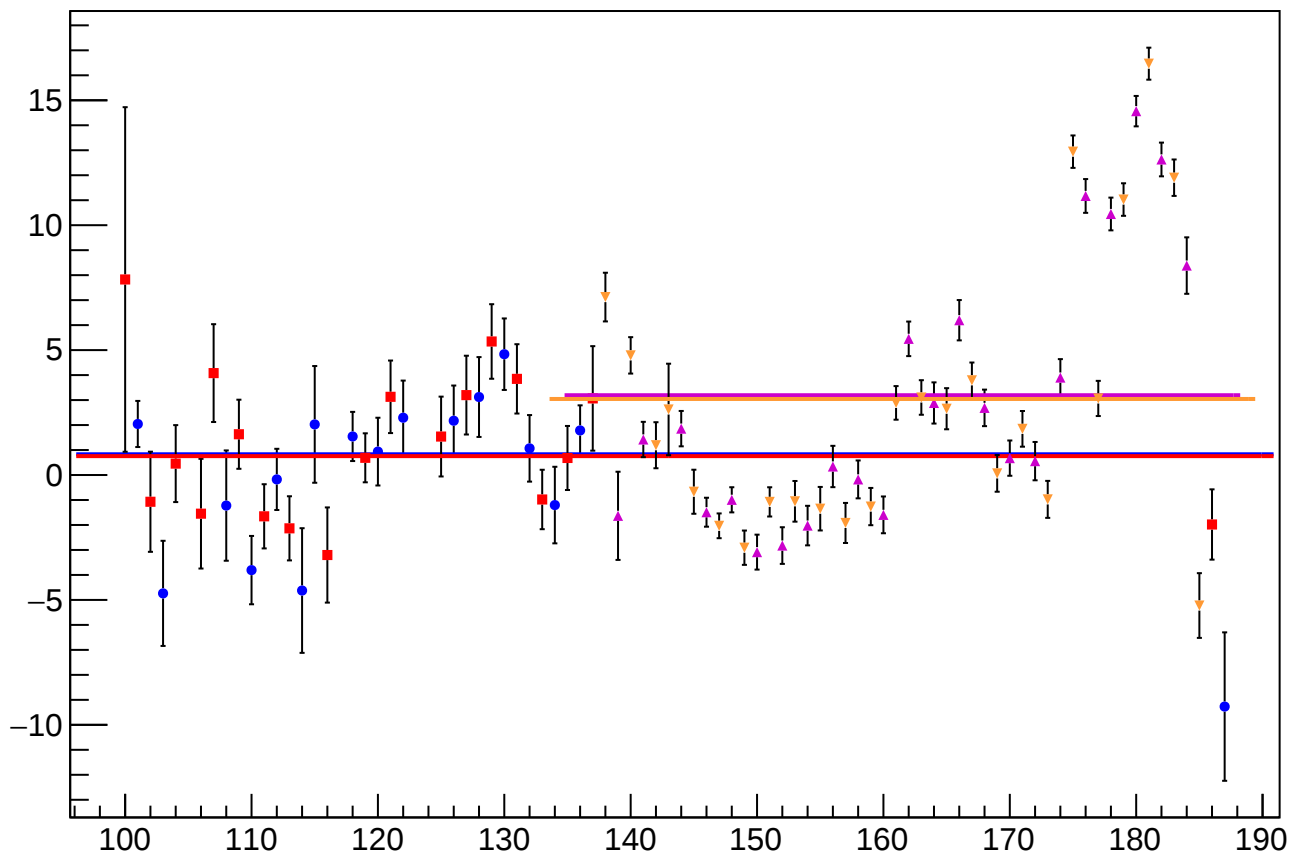
Left In: -11.067 $\pm$ 0.188 χ^2 /NDF: 2104.8/22

+ sign -11.289 $\pm$ 0.185 χ^2 /NDF: 3716.5/25

All: -10.660 $\pm$ 0.131 χ^2 /NDF: 6982.5/49

- sign -10.031 $\pm$ 0.185 χ^2 /NDF: 3243.0/23

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.830 ± 0.340 χ^2/NDF : 53.3/16

Left Out: 3.044 ± 0.147 χ^2/NDF : 1457.3/24

Right Out: 0.756 ± 0.343 χ^2/NDF : 46.1/18

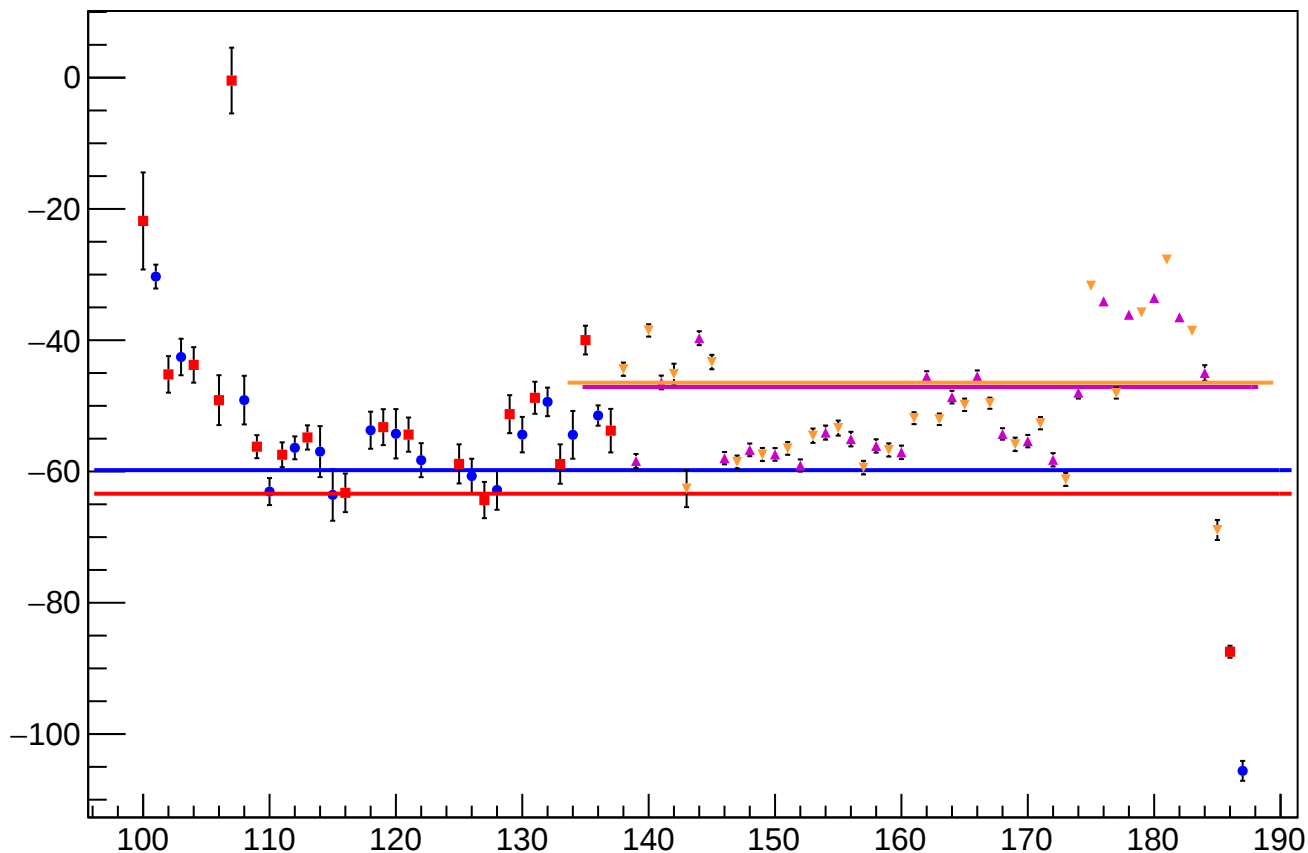
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.694 ± 0.135 χ^2/NDF : 1546.3/41

All: 2.747 ± 0.096 χ^2/NDF : 2930.1/83

- sign 2.803 ± 0.137 χ^2/NDF : 1383.5/41

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -59.797 ± 0.570 χ^2/NDF : 1296.9/16

Left Out: -46.463 ± 0.186 χ^2/NDF : 3319.7/24

Right Out: -63.385 ± 0.511 χ^2/NDF : 1251.2/18

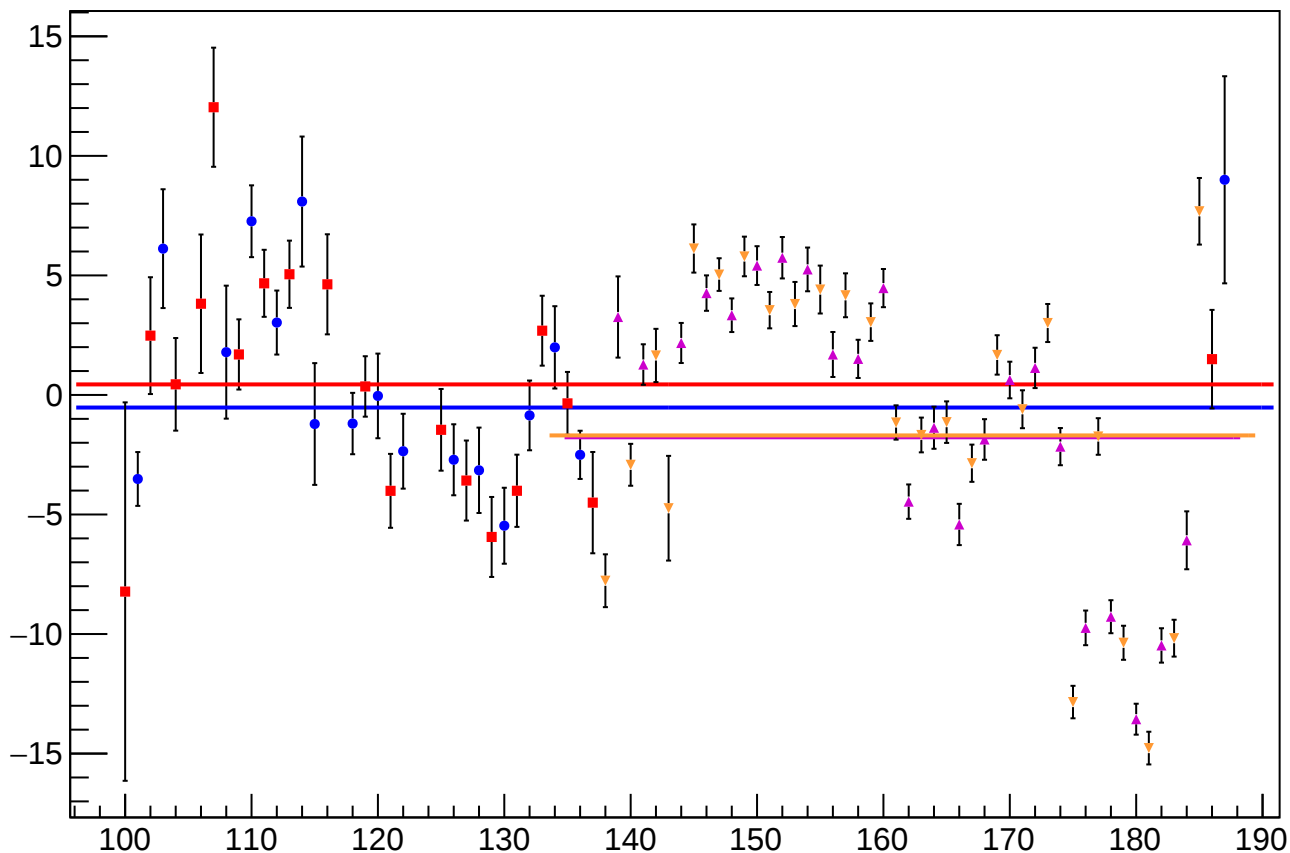
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -47.746 ± 0.177 χ^2/NDF : 5110.4/41

All: -48.404 ± 0.125 χ^2/NDF : 9798.0/83

- sign -49.052 ± 0.176 χ^2/NDF : 4660.2/41

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.527 ± 0.386 χ^2/NDF : 85.6/16

Left Out: -1.693 ± 0.167 χ^2/NDF : 1485.7/24

Right Out: 0.441 ± 0.393 χ^2/NDF : 96.4/18

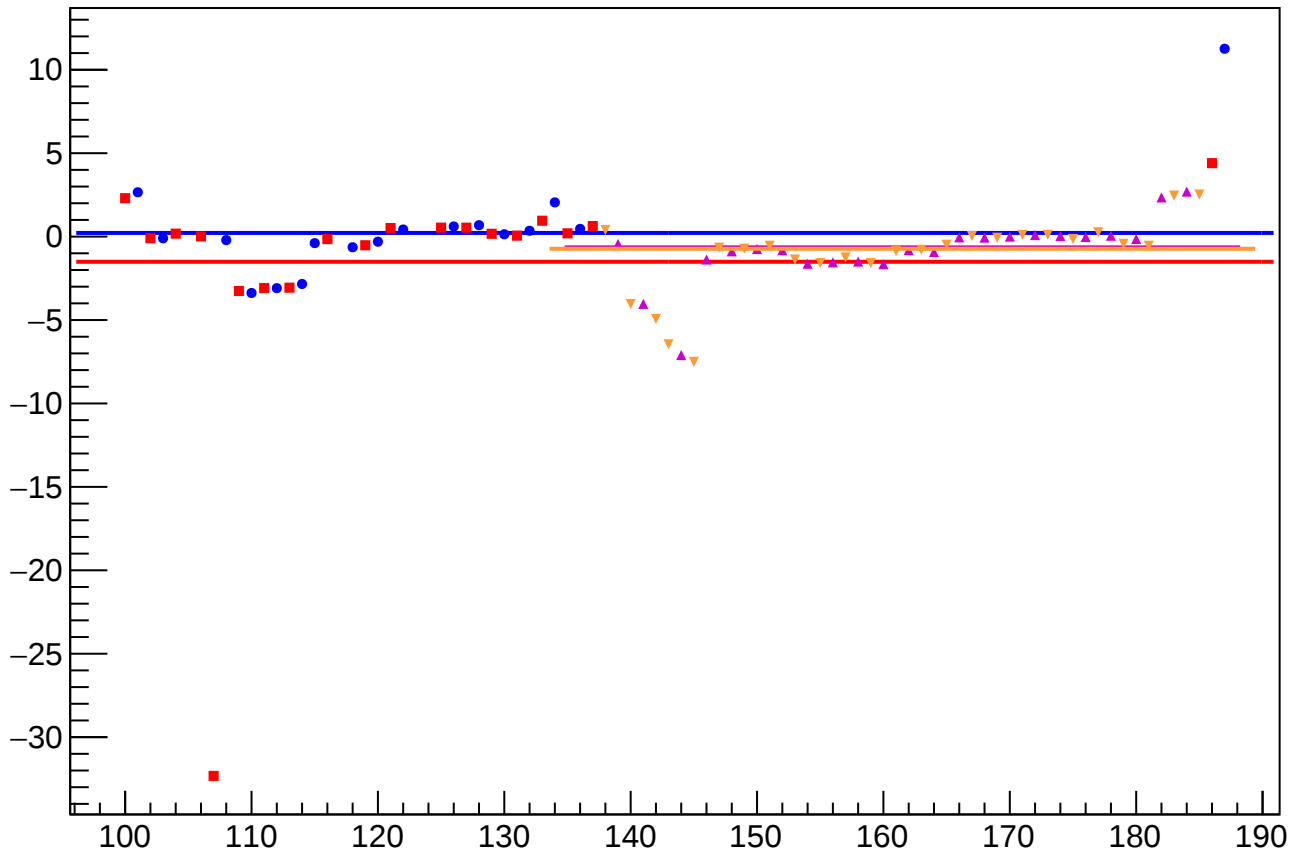
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.510 ± 0.153 χ^2/NDF : 1579.0/41

All: -1.468 ± 0.109 χ^2/NDF : 2953.6/83

- sign -1.426 ± 0.155 χ^2/NDF : 1374.5/41

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.221 ± 0.021 χ^2/NDF : 7281.3/16

Left Out: -0.728 ± 0.008 χ^2/NDF : 56403.8/24

Right Out: -1.508 ± 0.022 χ^2/NDF : 79529.3/18

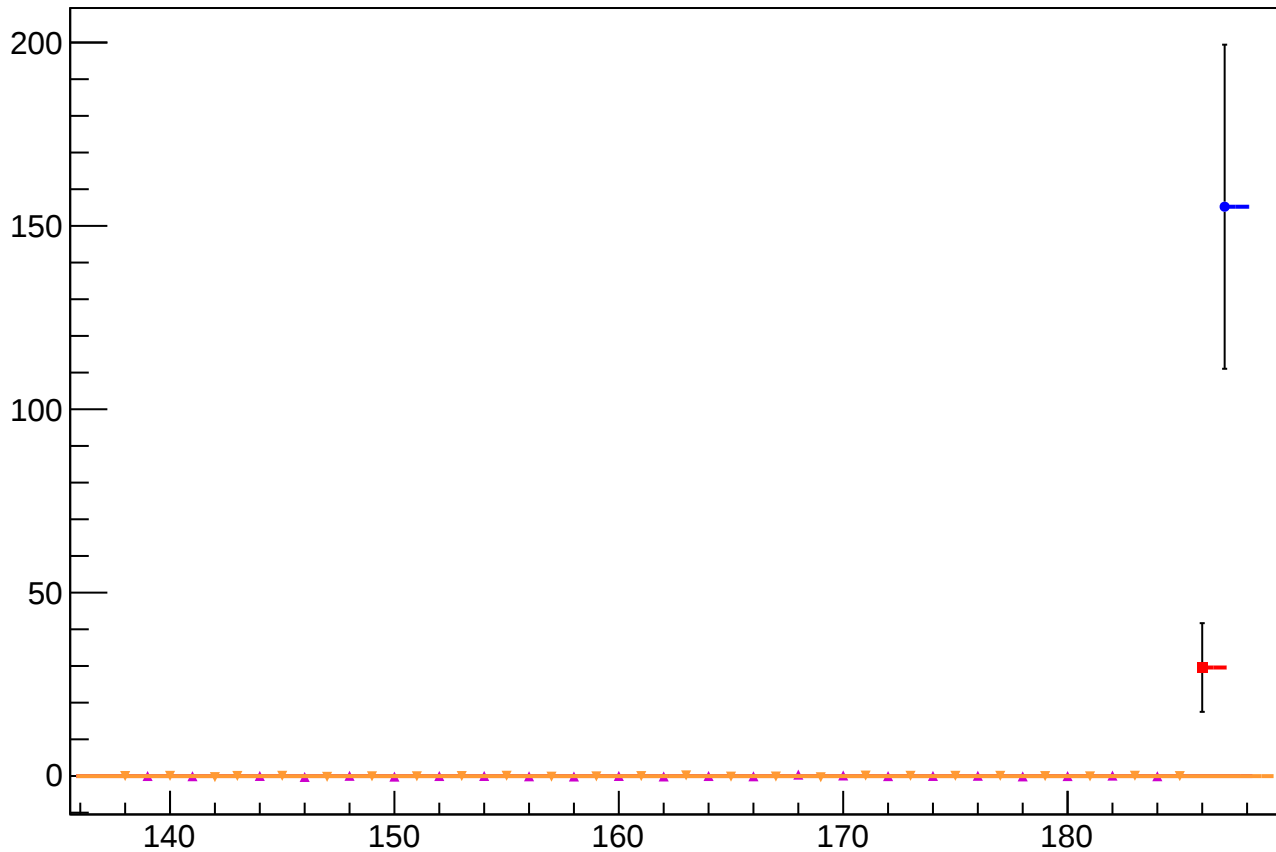
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.622 ± 0.007 χ^2/NDF : 65414.0/41

All: -0.681 ± 0.005 χ^2/NDF : 190667.1/83

- sign -0.741 ± 0.007 χ^2/NDF : 125117.5/41

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 155.225 $\pm$ 44.188 χ^2 /NDF: 0.0/0

Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF: 35.6/24

Right Out: 29.583 $\pm$ 12.092 χ^2 /NDF: 0.0/0

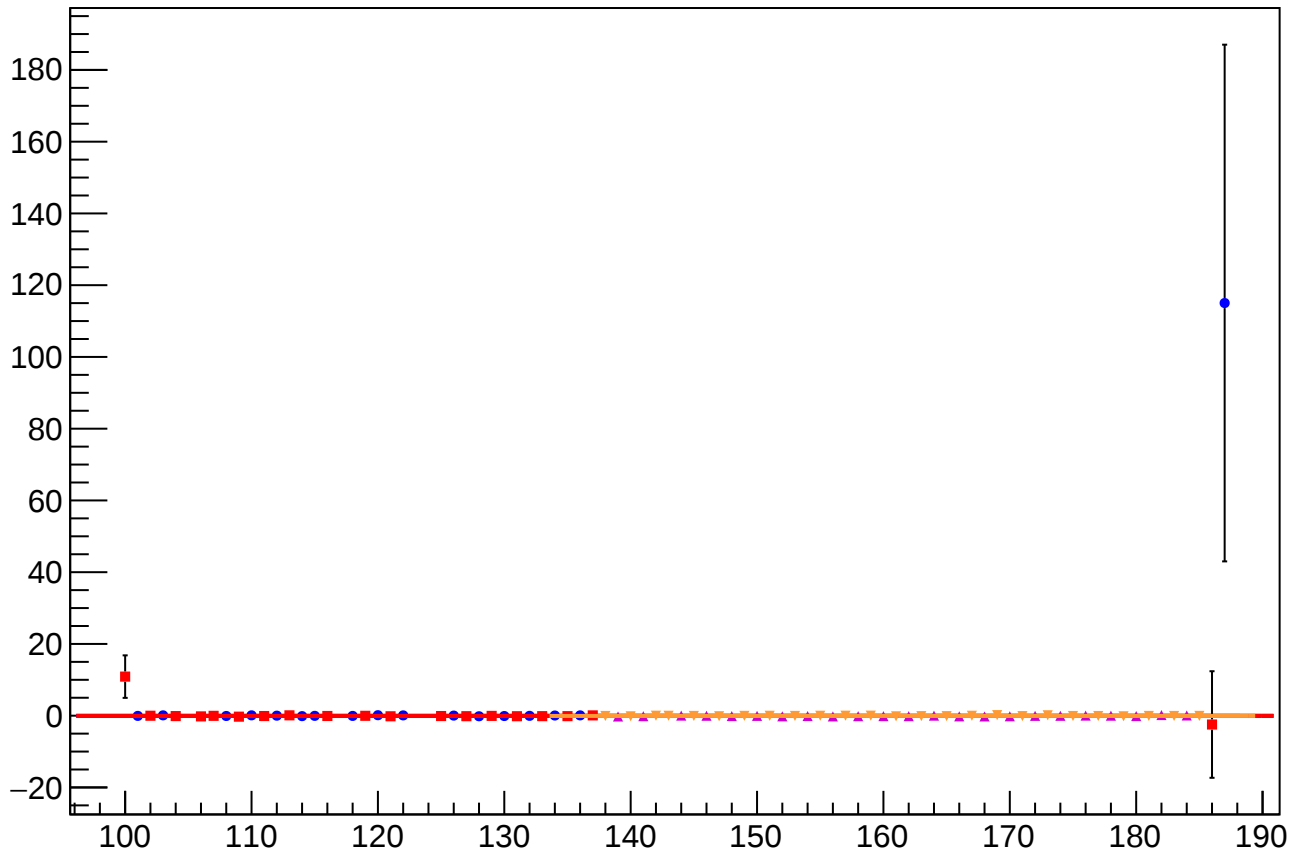
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign -0.036 $\pm$ 0.018 χ^2 /NDF: 47.9/25

All: -0.023 $\pm$ 0.013 χ^2 /NDF: 90.1/49

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 41.1/23

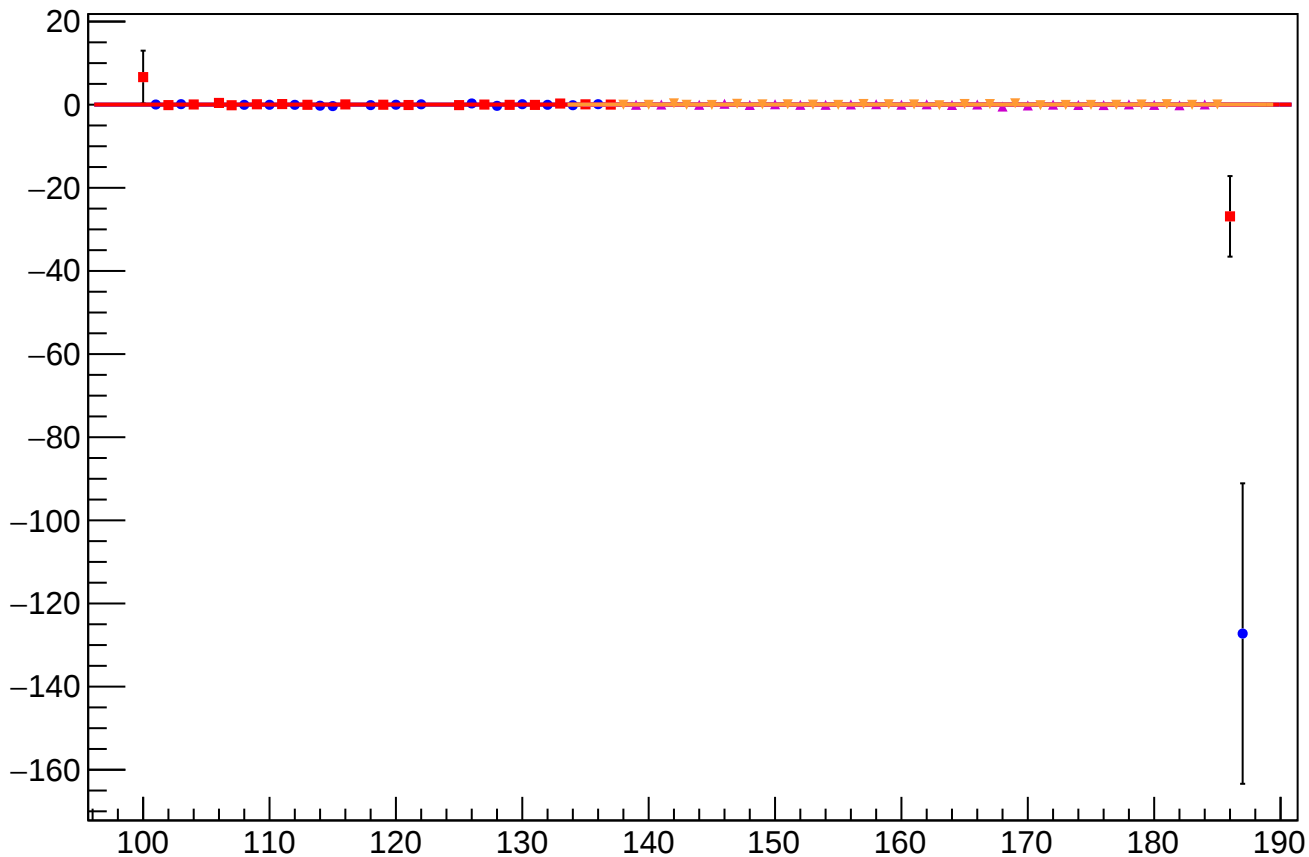
reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 14.6/16
 Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/24
 Right Out: -0.088 ± 0.025 χ^2/NDF : 13.0/18
 Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.056 ± 0.012 χ^2/NDF : 47.3/41
 All: -0.063 ± 0.009 χ^2/NDF : 102.7/83
 - sign -0.070 ± 0.012 χ^2/NDF : 54.7/41

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 ± 0.043 $\chi^2/\text{NDF}: 21.5/16$

Left Out: 0.033 ± 0.018 $\chi^2/\text{NDF}: 32.6/24$

Right Out: 0.031 ± 0.045 $\chi^2/\text{NDF}: 16.8/18$

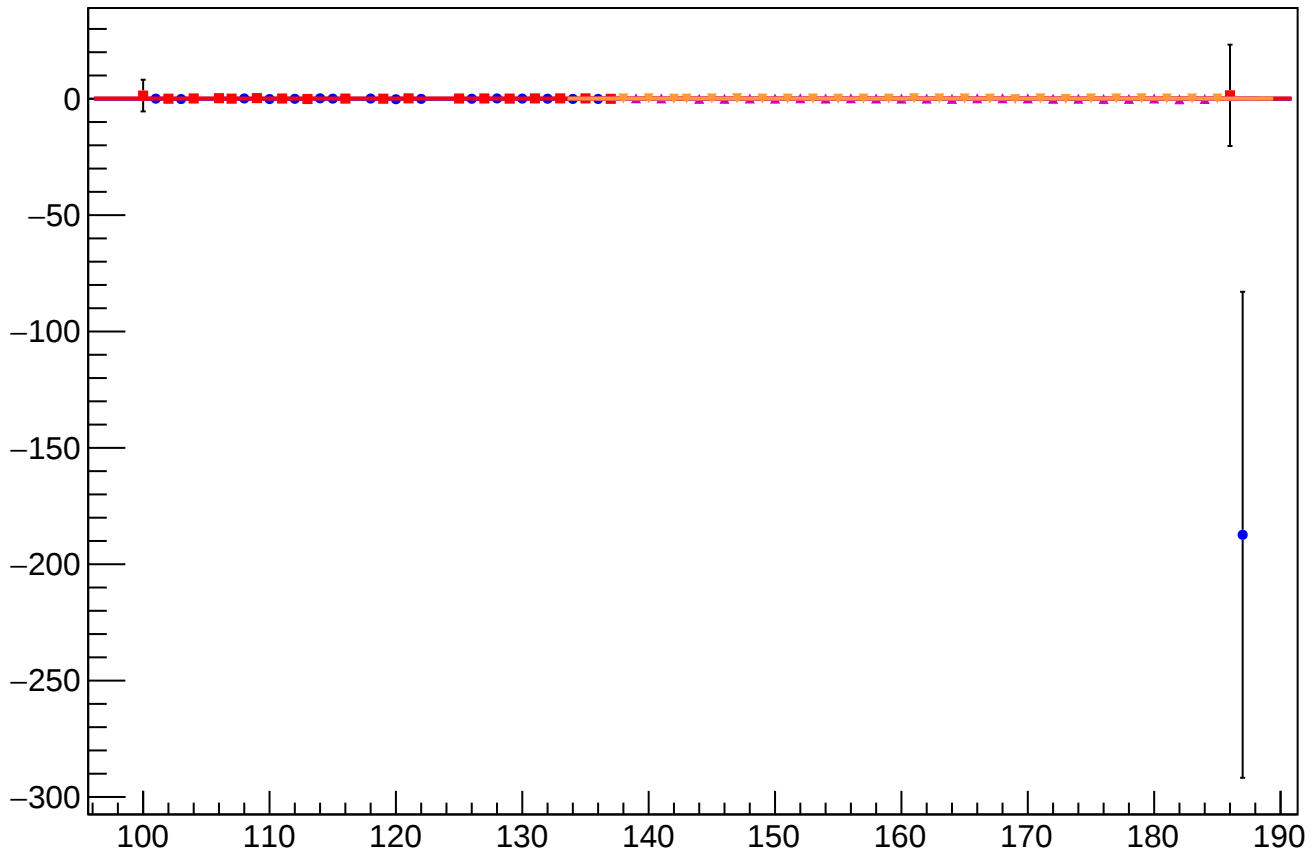
Left In: -0.009 ± 0.018 $\chi^2/\text{NDF}: 36.8/22$

+ sign 0.031 ± 0.016 $\chi^2/\text{NDF}: 54.2/41$

All: 0.014 ± 0.012 $\chi^2/\text{NDF}: 110.6/83$

- sign -0.003 ± 0.017 $\chi^2/\text{NDF}: 54.3/41$

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008+/-0.027 χ^2/NDF : 14.9/16

Left Out: 0.084+/-0.016 χ^2/NDF : 28.1/24

Right Out: 0.105+/-0.029 χ^2/NDF : 8.1/18

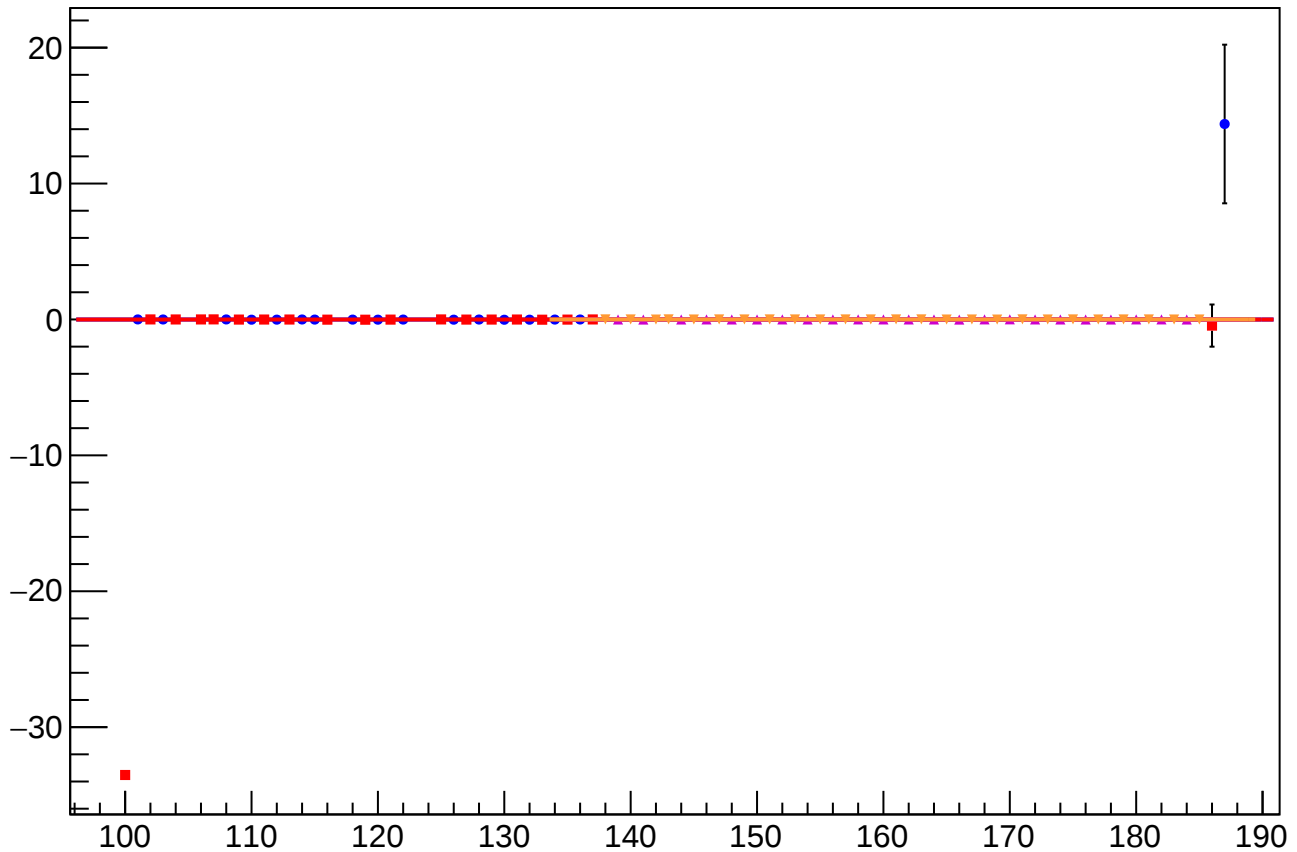
Left In: 0.070+/-0.016 χ^2/NDF : 44.8/22

+ sign 0.065+/-0.014 χ^2/NDF : 48.9/41

All: 0.071+/-0.010 χ^2/NDF : 103.5/83

- sign 0.078+/-0.014 χ^2/NDF : 54.1/41

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 27.6/16

Left Out: 0.001 ± 0.001 χ^2/NDF : 26.1/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 26509.0/18

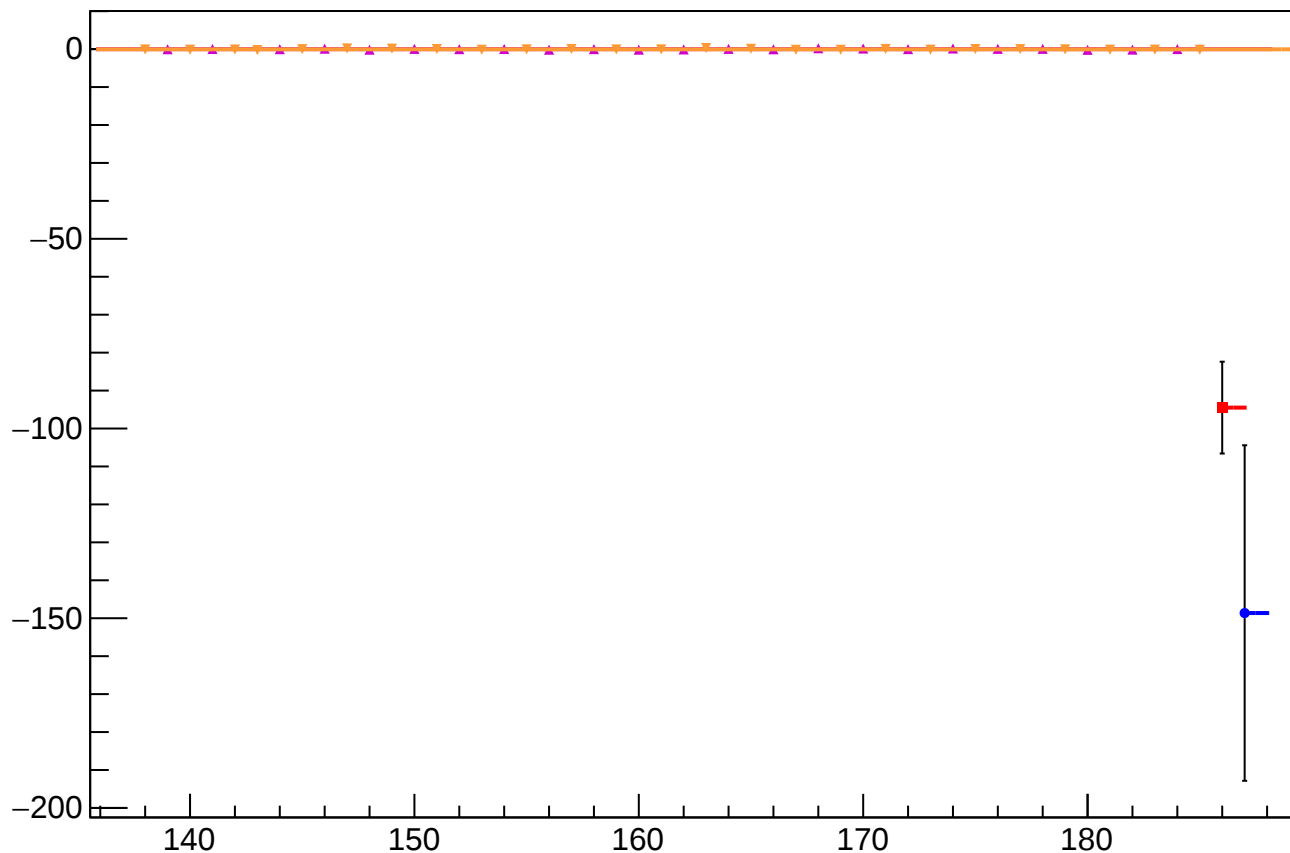
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 67.5/41

All: -0.001 ± 0.000 χ^2/NDF : 26613.1/83

- sign -0.001 ± 0.001 χ^2/NDF : 26545.3/41

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -148.630 $\pm$ 44.216 χ^2/NDF : 0.0/0

Left Out: -0.059 $\pm$ 0.018 χ^2/NDF : 41.7/24

Right Out: -94.487 $\pm$ 12.098 χ^2/NDF : 0.0/0

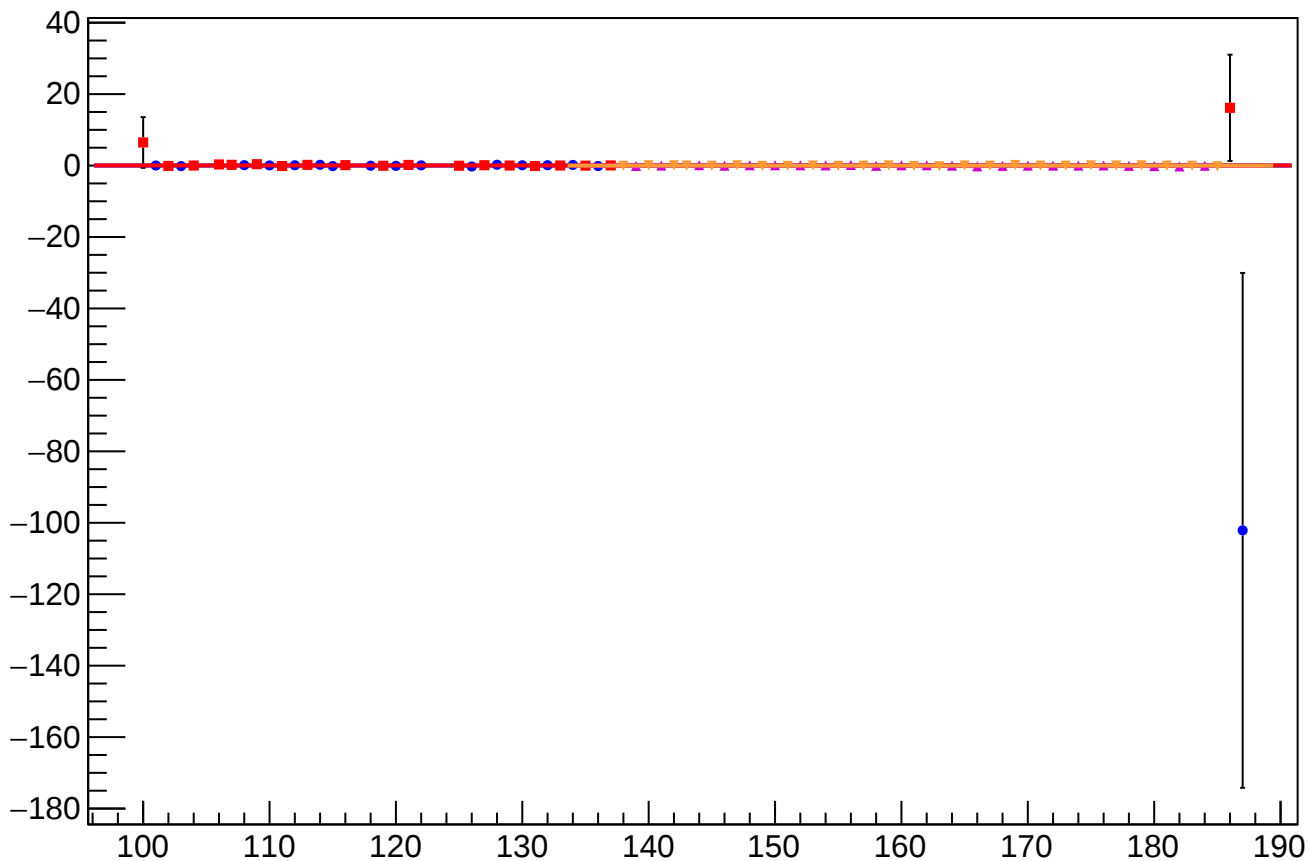
Left In: -0.009 $\pm$ 0.018 χ^2/NDF : 35.1/22

+ sign -0.059 $\pm$ 0.018 χ^2/NDF : 53.0/25

All: -0.035 $\pm$ 0.013 χ^2/NDF : 153.0/49

- sign -0.009 $\pm$ 0.018 χ^2/NDF : 96.1/23

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 27.2/16

Left Out: -0.010 ± 0.014 χ^2/NDF : 29.7/24

Right Out: 0.037 ± 0.025 χ^2/NDF : 29.9/18

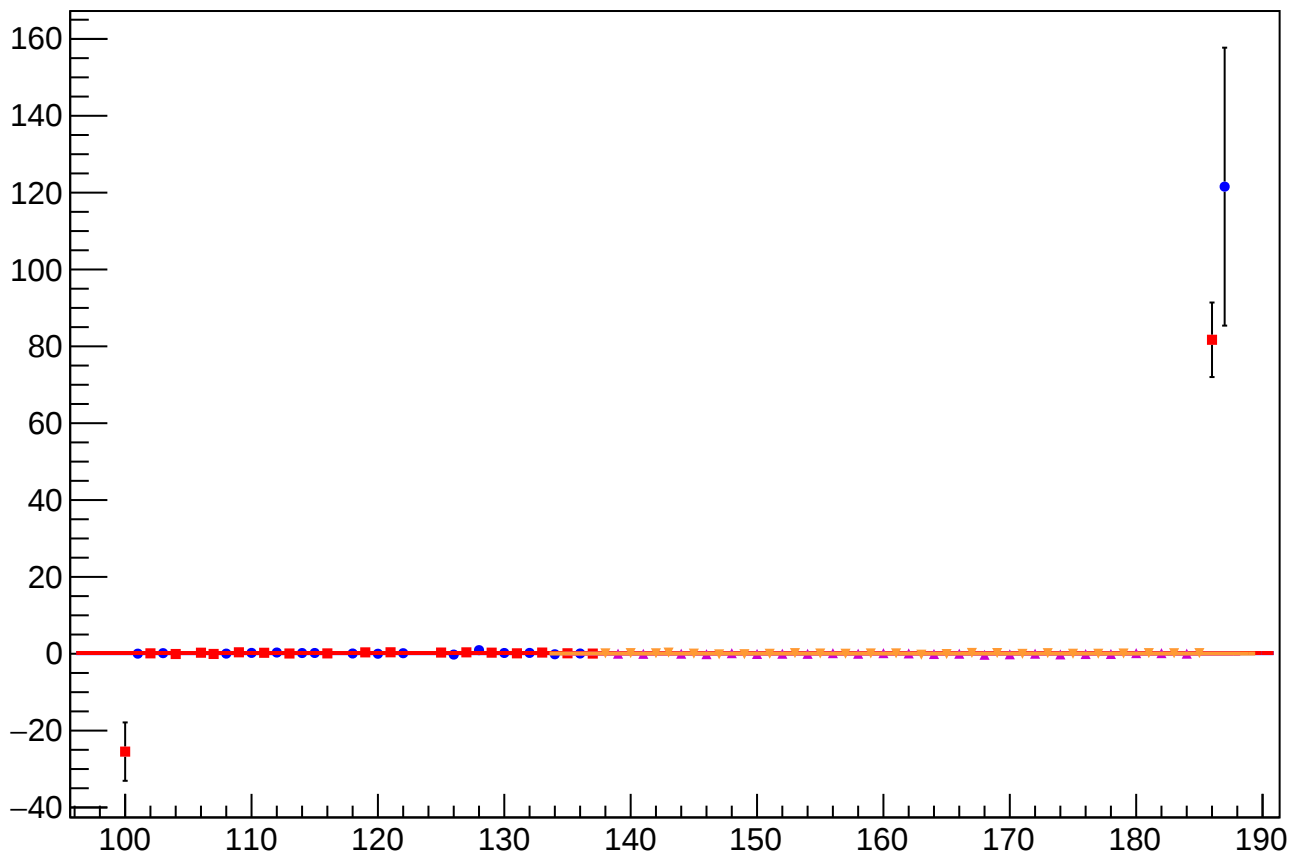
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.005 ± 0.012 χ^2/NDF : 57.2/41

All: 0.003 ± 0.009 χ^2/NDF : 139.0/83

- sign 0.013 ± 0.012 χ^2/NDF : 80.7/41

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157+/-0.043 χ^2/NDF : 41.0/16

Left Out: 0.055+/-0.018 χ^2/NDF : 41.0/24

Right Out: 0.197+/-0.045 χ^2/NDF : 92.6/18

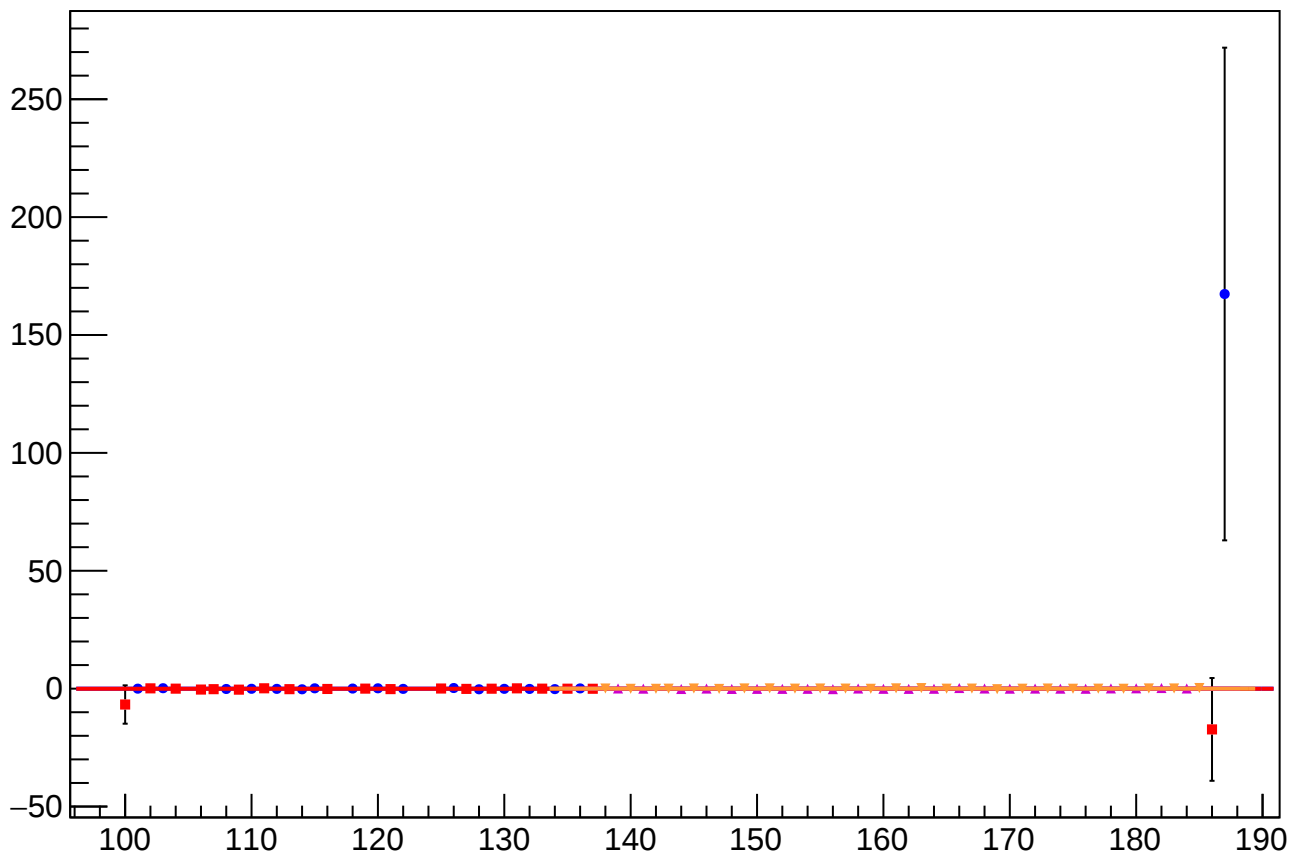
Left In: 0.020+/-0.018 χ^2/NDF : 35.8/22

+ sign 0.070+/-0.016 χ^2/NDF : 86.7/41

All: 0.057+/-0.012 χ^2/NDF : 229.6/83

- sign 0.044+/-0.017 χ^2/NDF : 141.7/41

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 27.2/16

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 26.9/18

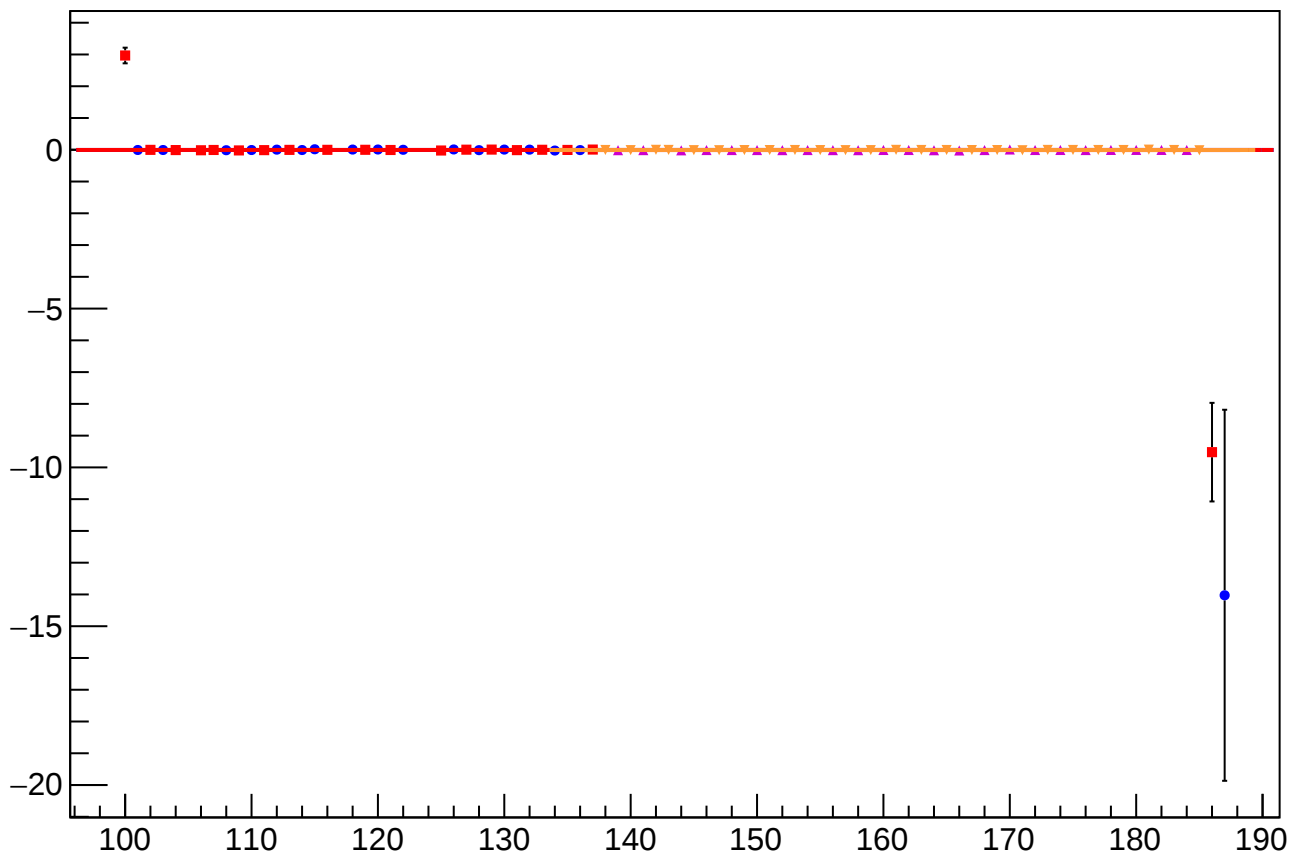
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 61.6/41

All: 0.003 ± 0.010 χ^2/NDF : 142.1/83

- sign -0.007 ± 0.014 χ^2/NDF : 79.5/41

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 33.2/16

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.7/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 202.8/18

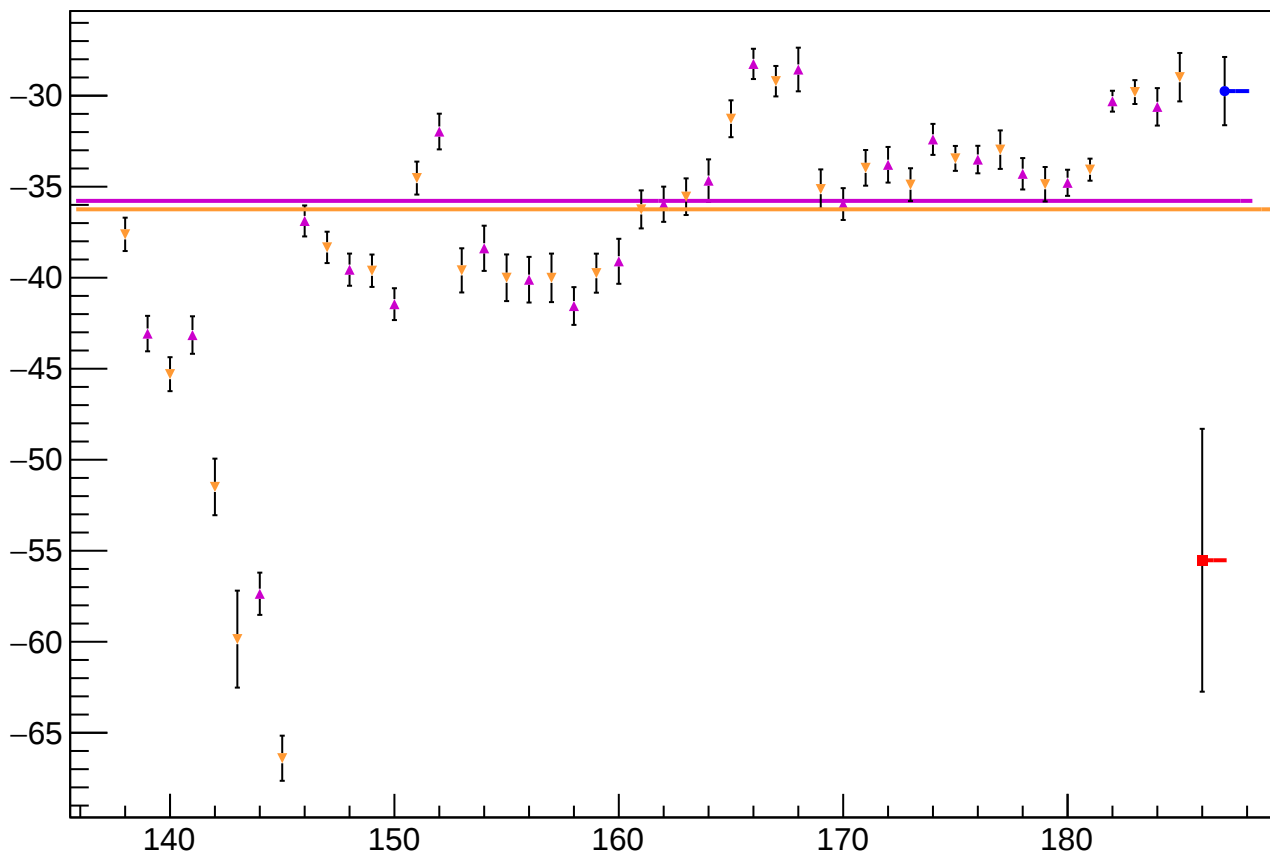
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 67.5/41

All: -0.008 ± 0.000 χ^2/NDF : 310.7/83

- sign -0.008 ± 0.001 χ^2/NDF : 243.1/41

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.748 ± 1.875 χ^2/NDF : 0.0/0

Left Out: -36.243 ± 0.191 χ^2/NDF : 1193.9/24

Right Out: -55.523 ± 7.220 χ^2/NDF : 0.0/0

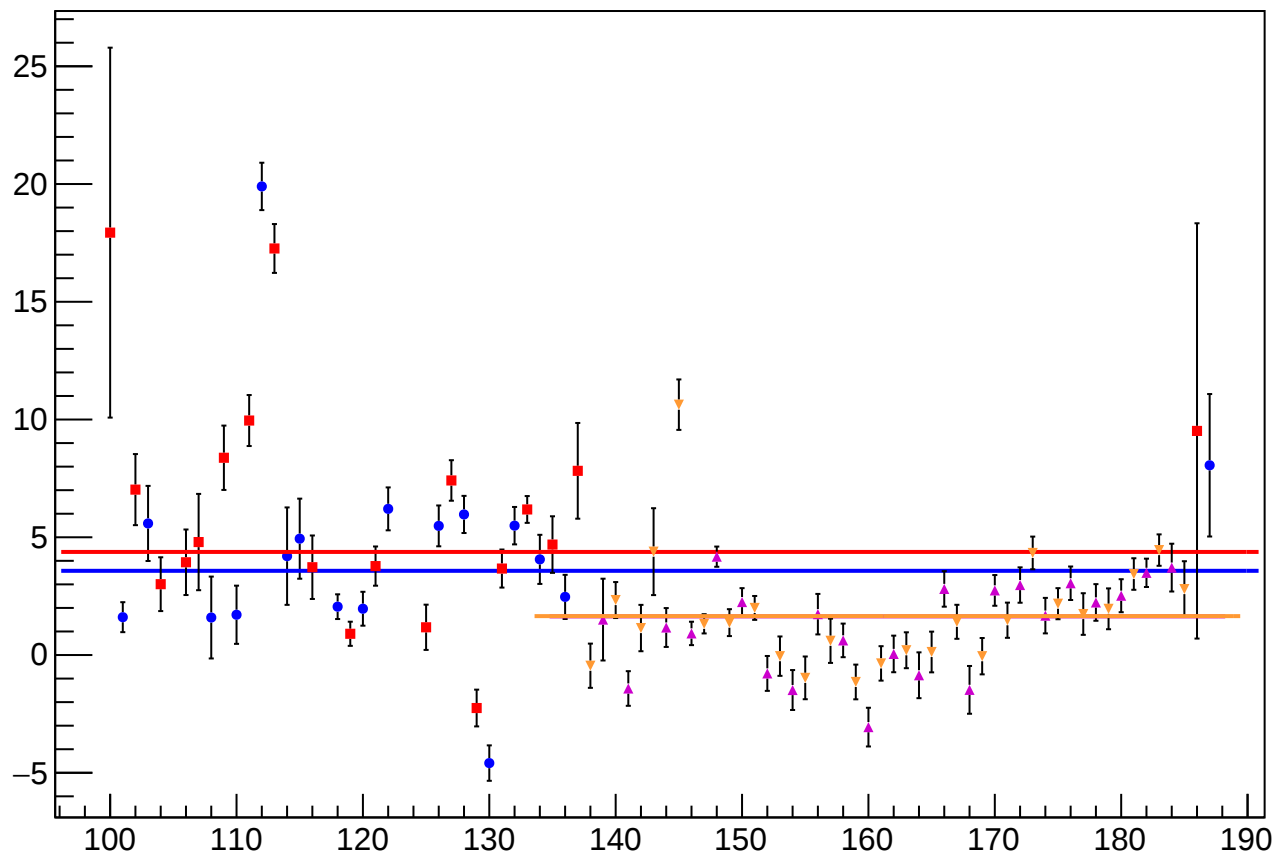
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.176 ± 0.190 χ^2/NDF : 1205.8/25

All: -35.985 ± 0.135 χ^2/NDF : 2069.4/49

- sign -35.793 ± 0.191 χ^2/NDF : 861.6/23

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.576 ± 0.220 χ^2/NDF : 442.1/16

Left Out: 1.652 ± 0.147 χ^2/NDF : 168.8/24

Right Out: 4.378 ± 0.225 χ^2/NDF : 353.5/18

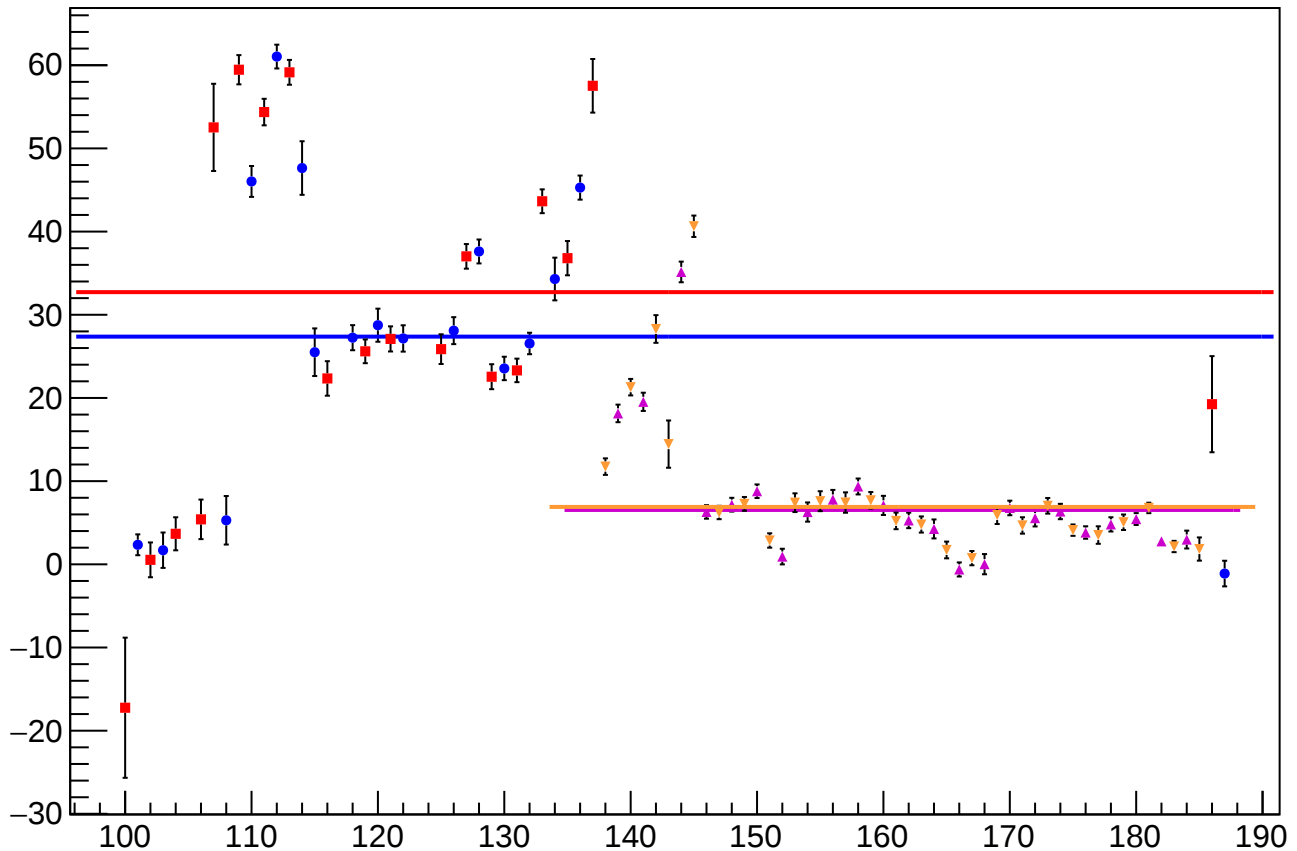
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.247 ± 0.122 χ^2/NDF : 663.6/41

All: 2.361 ± 0.087 χ^2/NDF : 1284.6/83

- sign 2.479 ± 0.125 χ^2/NDF : 619.2/41

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 27.373 ± 0.406 χ^2/NDF : 1856.9/16

Left Out: 6.900 ± 0.191 χ^2/NDF : 1302.8/24

Right Out: 32.721 ± 0.422 χ^2/NDF : 1665.6/18

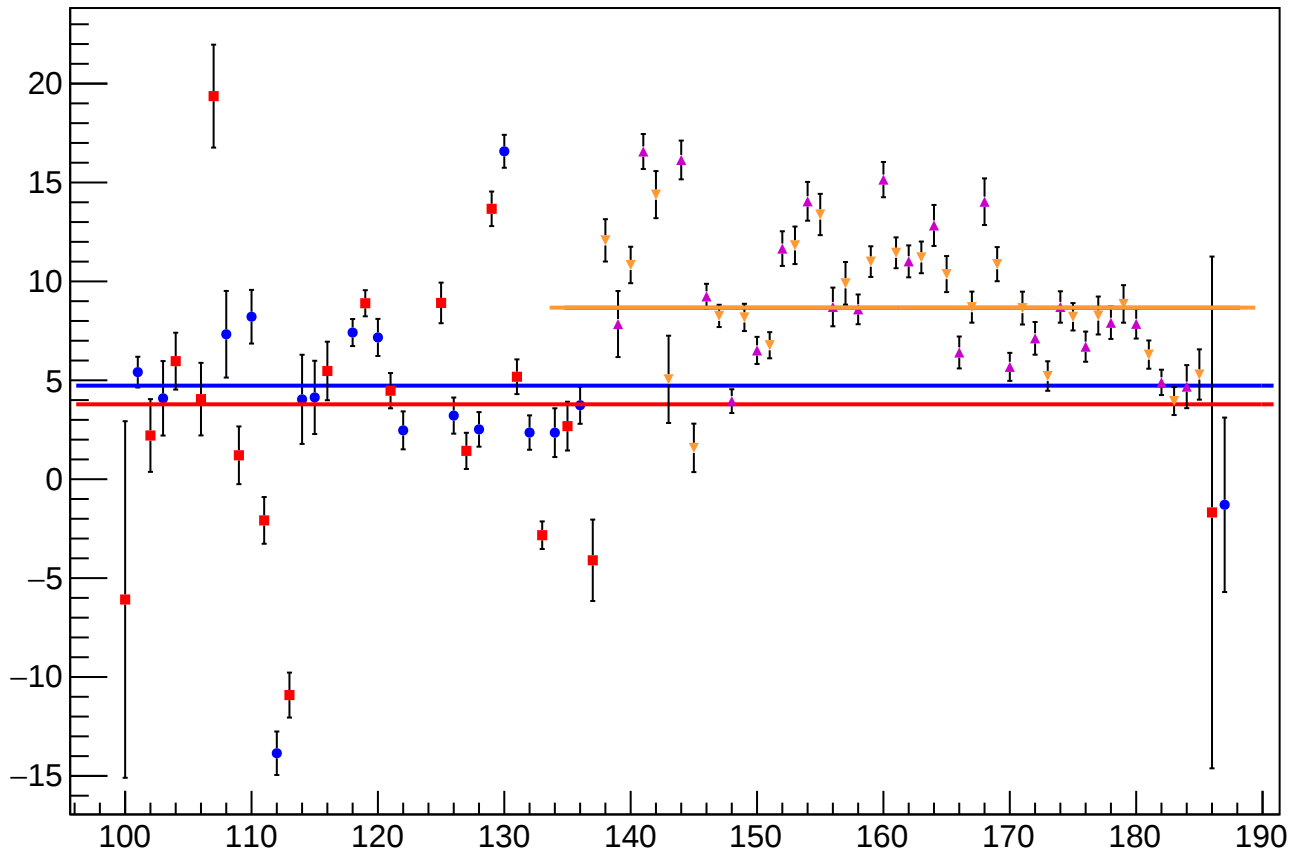
Left In: 6.537 ± 0.190 χ^2/NDF : 1025.1/22

+ sign 10.616 ± 0.173 χ^2/NDF : 5245.9/41

All: 10.785 ± 0.122 χ^2/NDF : 11131.4/83

- sign 10.956 ± 0.174 χ^2/NDF : 5883.5/41

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.730 ± 0.254 χ^2/NDF : 548.4/16

Left Out: 8.674 ± 0.168 χ^2/NDF : 243.7/24

Right Out: 3.787 ± 0.259 χ^2/NDF : 564.9/18

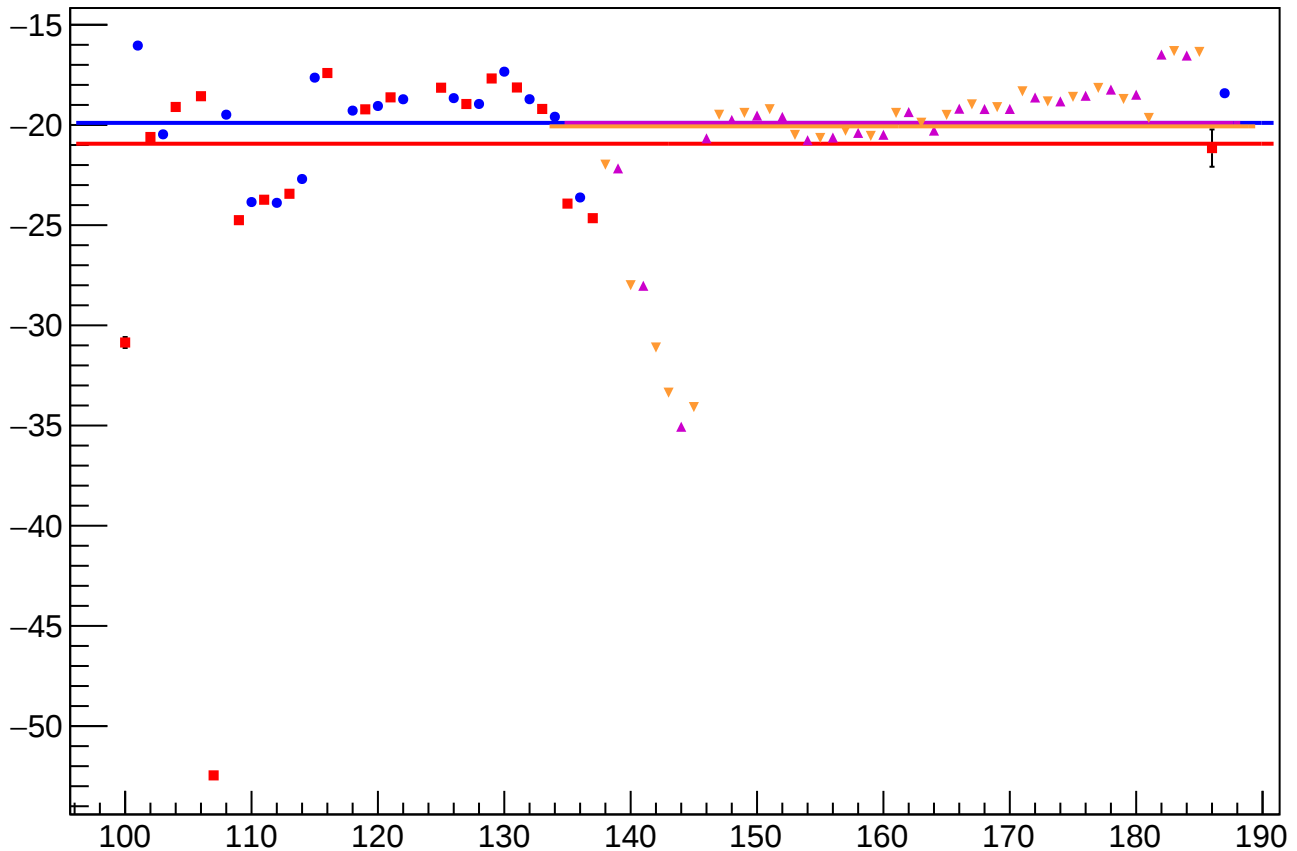
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.469 ± 0.140 χ^2/NDF : 959.4/41

All: 7.334 ± 0.100 χ^2/NDF : 2211.1/83

- sign 7.196 ± 0.142 χ^2/NDF : 1249.8/41

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.896 ± 0.016 χ^2/NDF : 26055.2/16

Left Out: -20.069 ± 0.008 χ^2/NDF : 185373.7/24

Right Out: -20.936 ± 0.016 χ^2/NDF : 93988.8/18

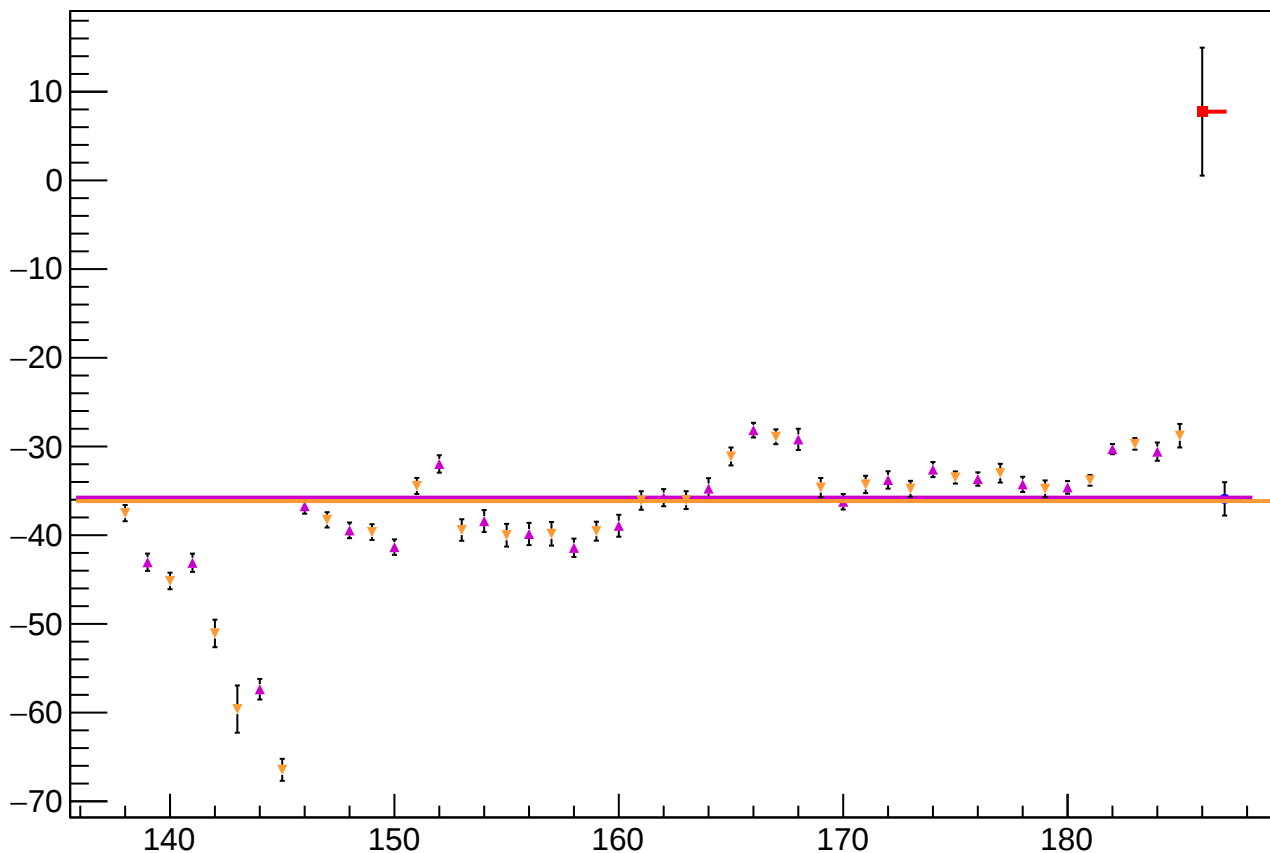
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -20.034 ± 0.007 χ^2/NDF : 211527.0/41

All: -20.069 ± 0.005 χ^2/NDF : 453242.8/83

- sign -20.104 ± 0.007 χ^2/NDF : 241665.6/41

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -35.906 ± 1.881 χ^2/NDF : 0.0/0

Left Out: -36.152 ± 0.191 χ^2/NDF : 1199.2/24

Right Out: 7.751 ± 7.212 χ^2/NDF : 0.0/0

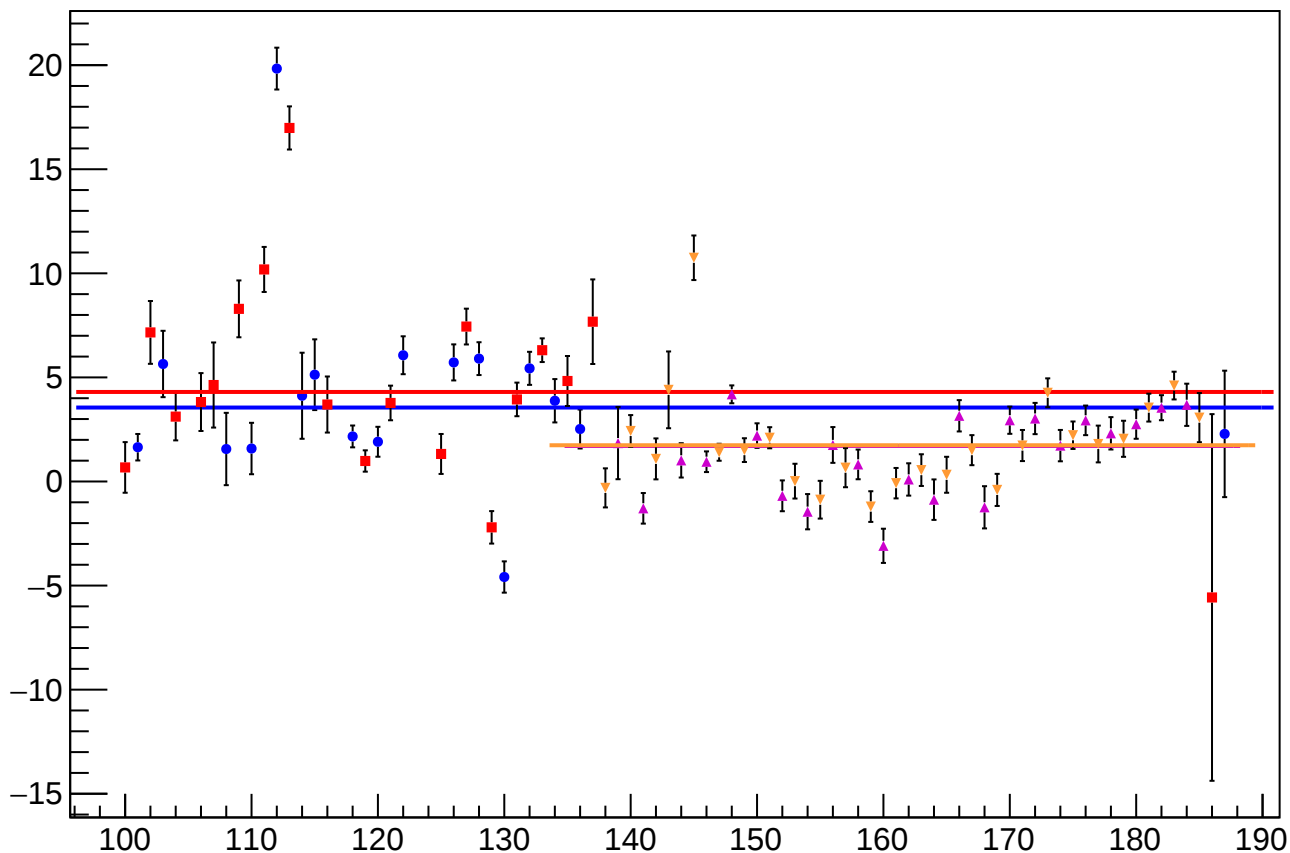
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -36.150 ± 0.190 χ^2/NDF : 1199.2/25

All: -35.944 ± 0.135 χ^2/NDF : 2080.6/49

- sign -35.736 ± 0.191 χ^2/NDF : 879.0/23

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.552 ± 0.220 χ^2/NDF : 437.3/16

Left Out: 1.741 ± 0.147 χ^2/NDF : 170.2/24

Right Out: 4.301 ± 0.221 χ^2/NDF : 353.4/18

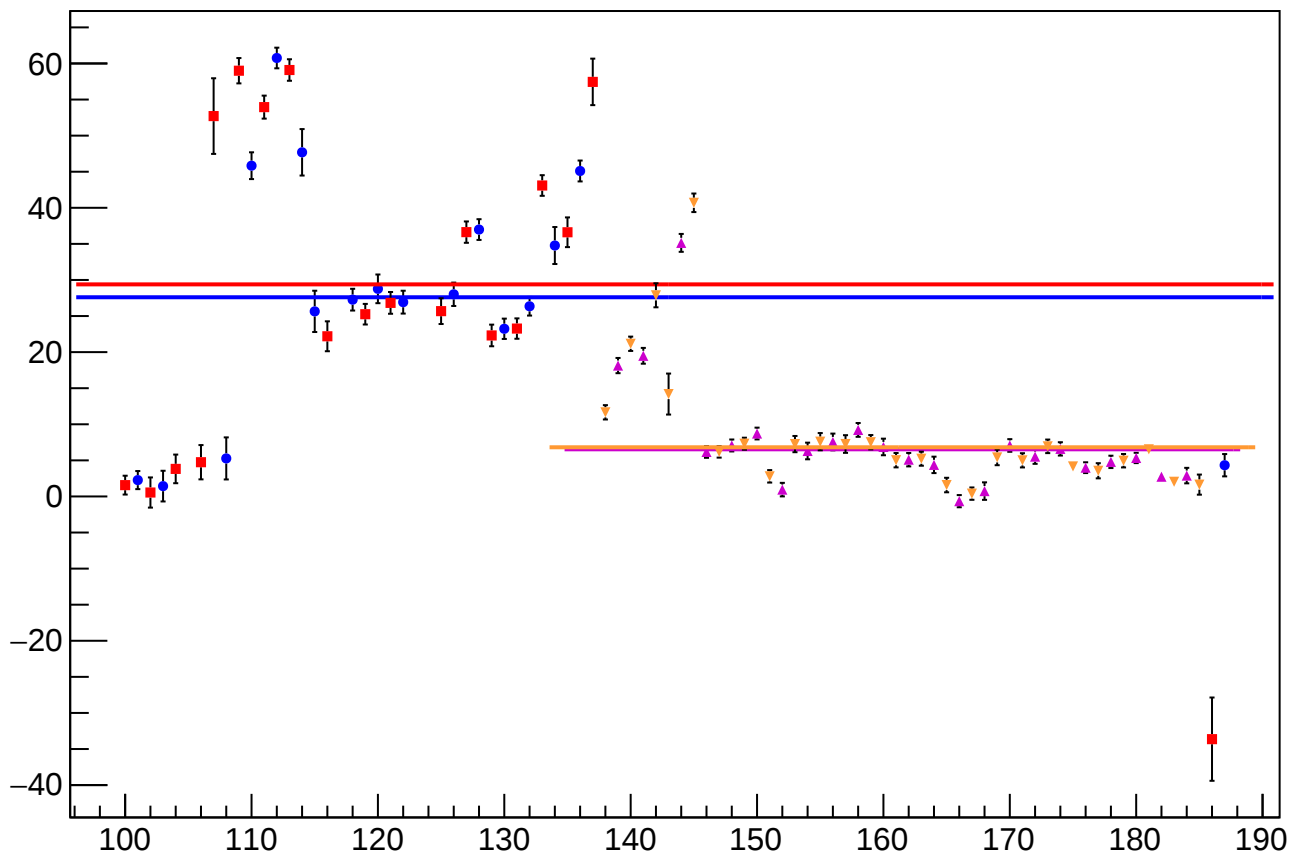
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.301 ± 0.122 χ^2/NDF : 654.4/41

All: 2.408 ± 0.087 χ^2/NDF : 1266.8/83

- sign 2.518 ± 0.124 χ^2/NDF : 610.9/41

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 27.603 $\pm$ 0.405 χ^2 /NDF: 1726.7/16

Left Out: 6.813 $\pm$ 0.191 χ^2 /NDF:1304.5/24

Right Out: 29.388 $\pm$ 0.402 χ^2 /NDF: 2248.8/18

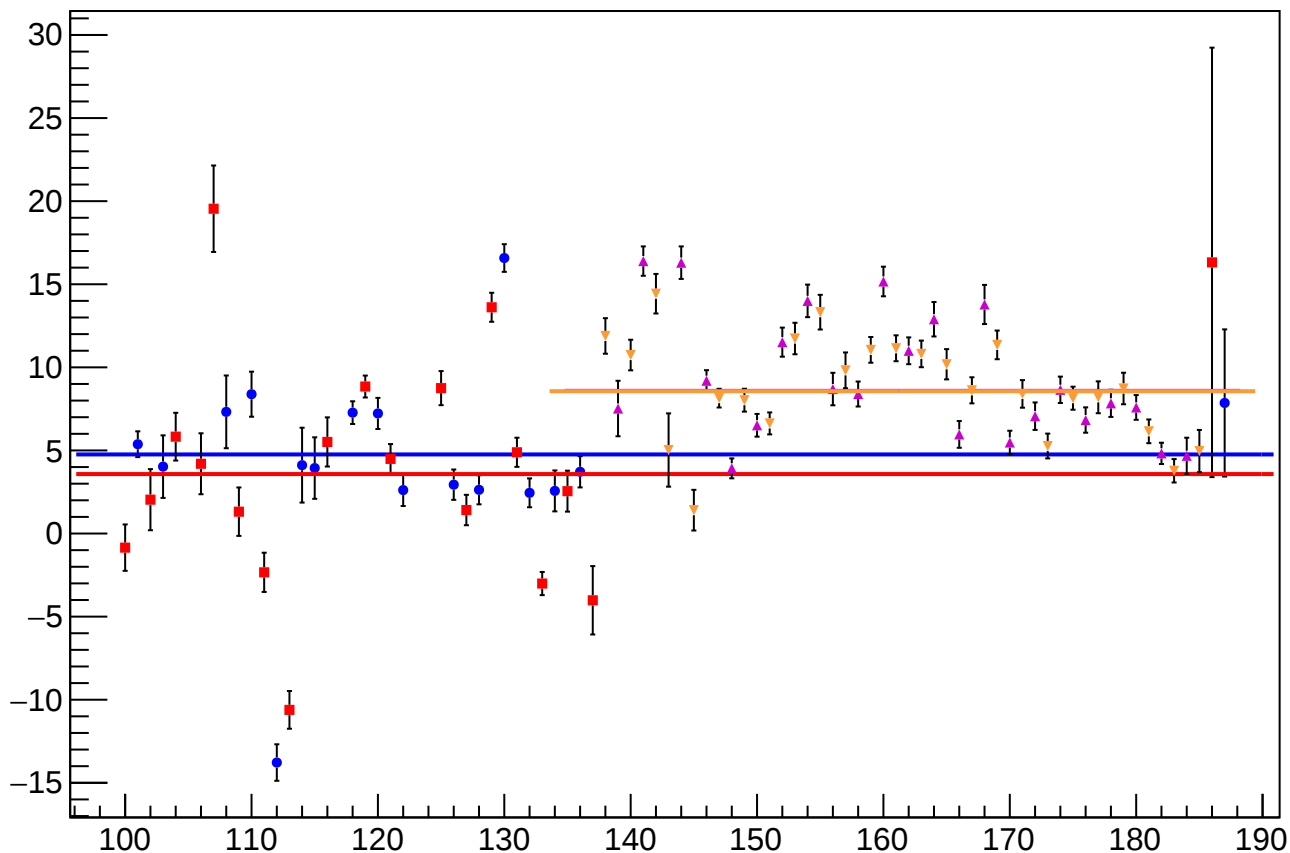
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF:1018.2/22

+ sign 10.585 $\pm$ 0.173 χ^2 /NDF: 5184.3/41

All: 10.649 $\pm$ 0.122 χ^2 /NDF: 11091.1/83

- sign 10.713 $\pm$ 0.172 χ^2 /NDF: 5906.4/41

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.760 ± 0.254 χ^2/NDF : 543.5/16

Left Out: 8.565 ± 0.168 χ^2/NDF : 248.1/24

Right Out: 3.578 ± 0.255 χ^2/NDF : 571.4/18

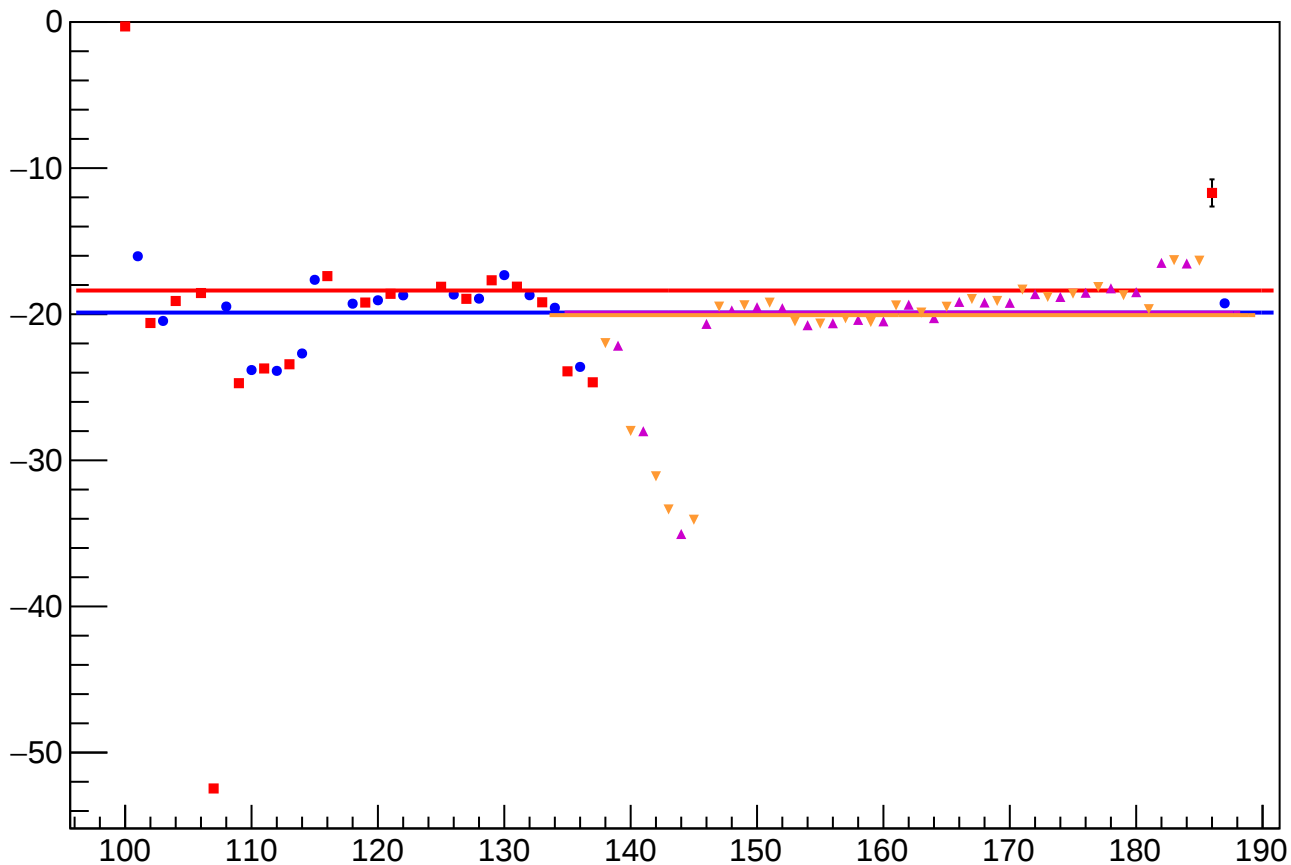
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.402 ± 0.140 χ^2/NDF : 947.6/41

All: 7.222 ± 0.100 χ^2/NDF : 2231.6/83

- sign 7.039 ± 0.141 χ^2/NDF : 1280.6/41

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.887 ± 0.016 χ^2/NDF : 26015.4/16

Left Out: -20.061 ± 0.008 χ^2/NDF : 185580.2/24

Right Out: -18.377 ± 0.015 χ^2/NDF : 301061.2/18

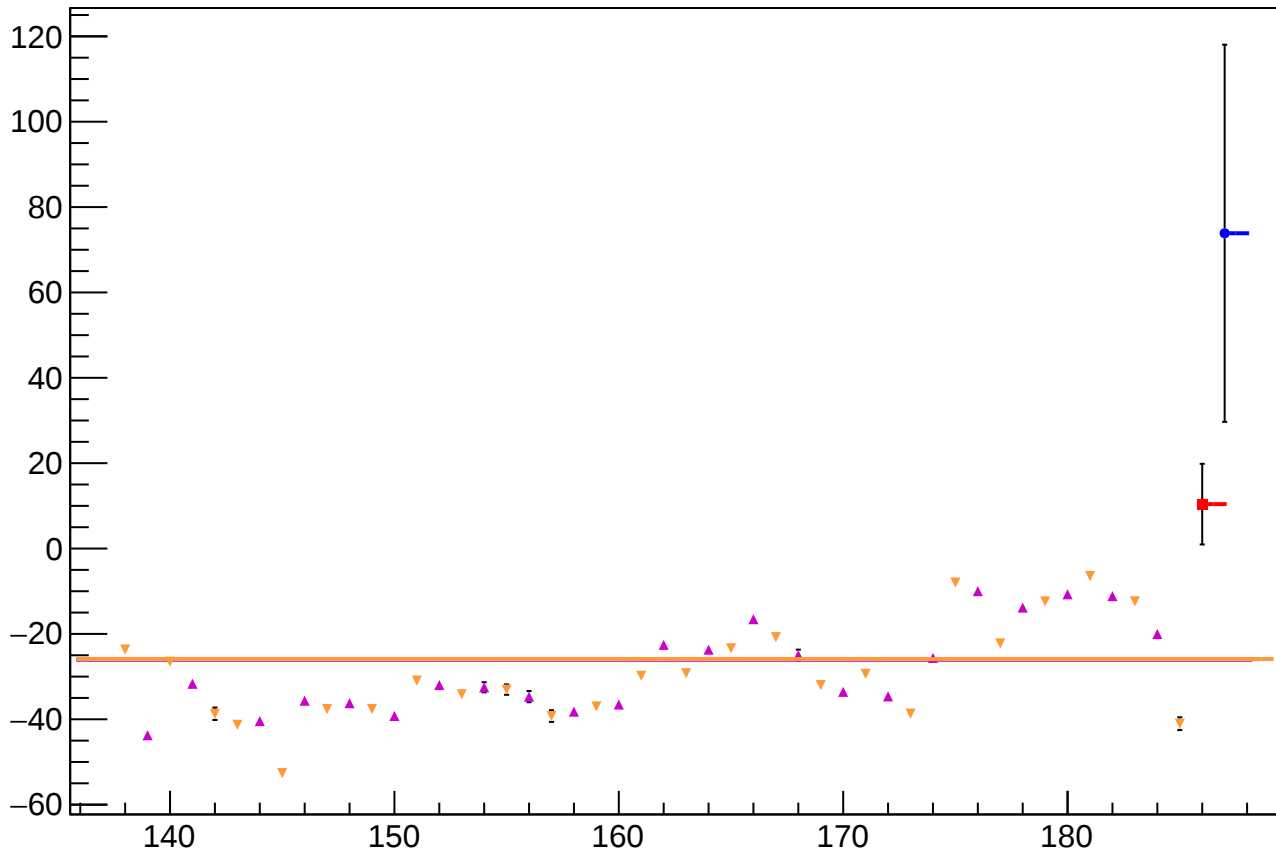
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -20.026 ± 0.007 χ^2/NDF : 211694.8/41

All: -19.788 ± 0.005 χ^2/NDF : 667268.7/83

- sign -19.558 ± 0.007 χ^2/NDF : 453317.5/41

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 73.867 $\pm$ 44.183 χ^2 /NDF: 0.0/0

Left Out: -25.884 $\pm$ 0.192 χ^2 /NDF: 4158.0/24

Right Out: 10.404 $\pm$ 9.447 χ^2 /NDF: 0.0/0

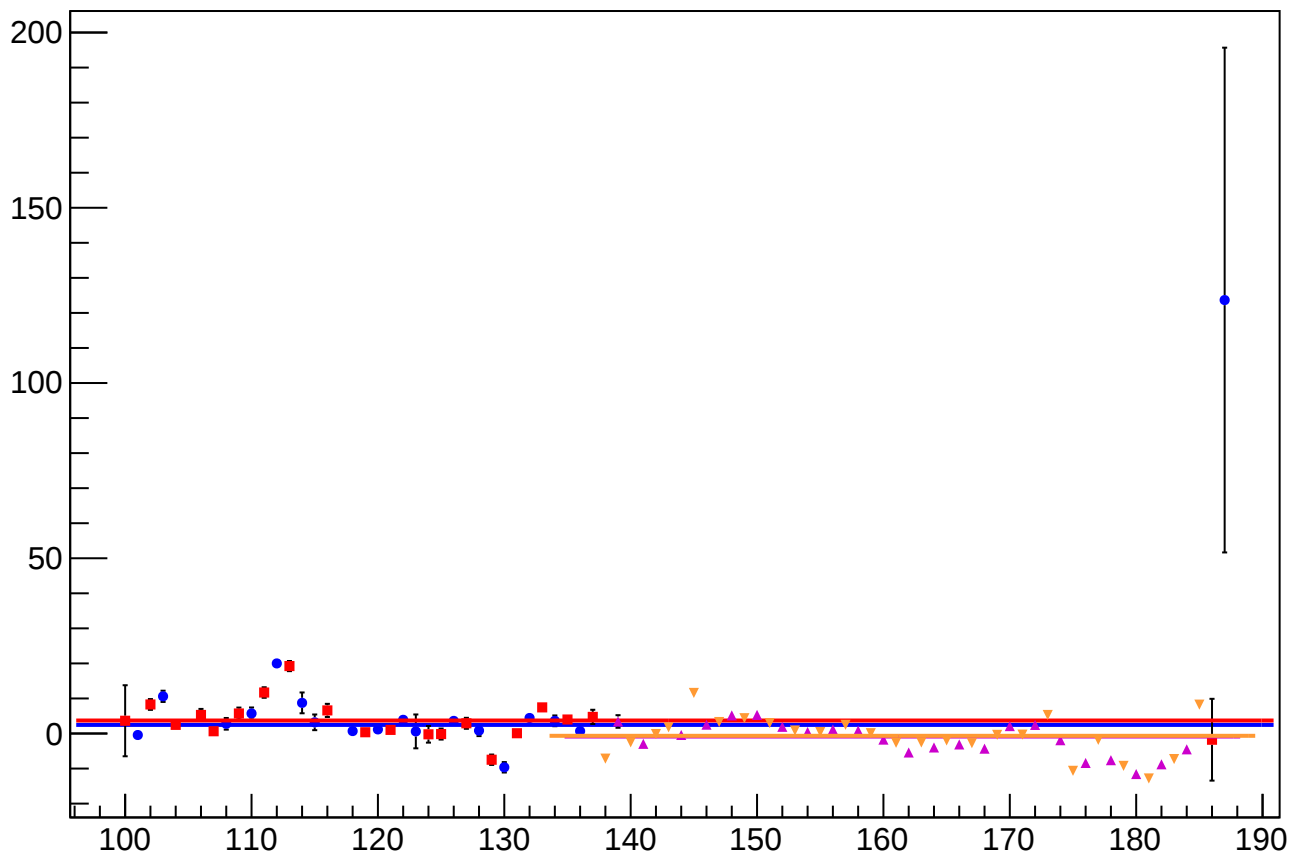
Left In: -26.052 $\pm$ 0.195 χ^2 /NDF: 3279.5/22

+ sign -25.883 $\pm$ 0.192 χ^2 /NDF: 4163.1/25

All: -25.958 $\pm$ 0.137 χ^2 /NDF: 7457.8/49

- sign -26.037 $\pm$ 0.195 χ^2 /NDF: 3294.4/23

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.457 ± 0.315 χ^2/NDF : 297.1/17

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.709 ± 0.327 χ^2/NDF : 269.3/19

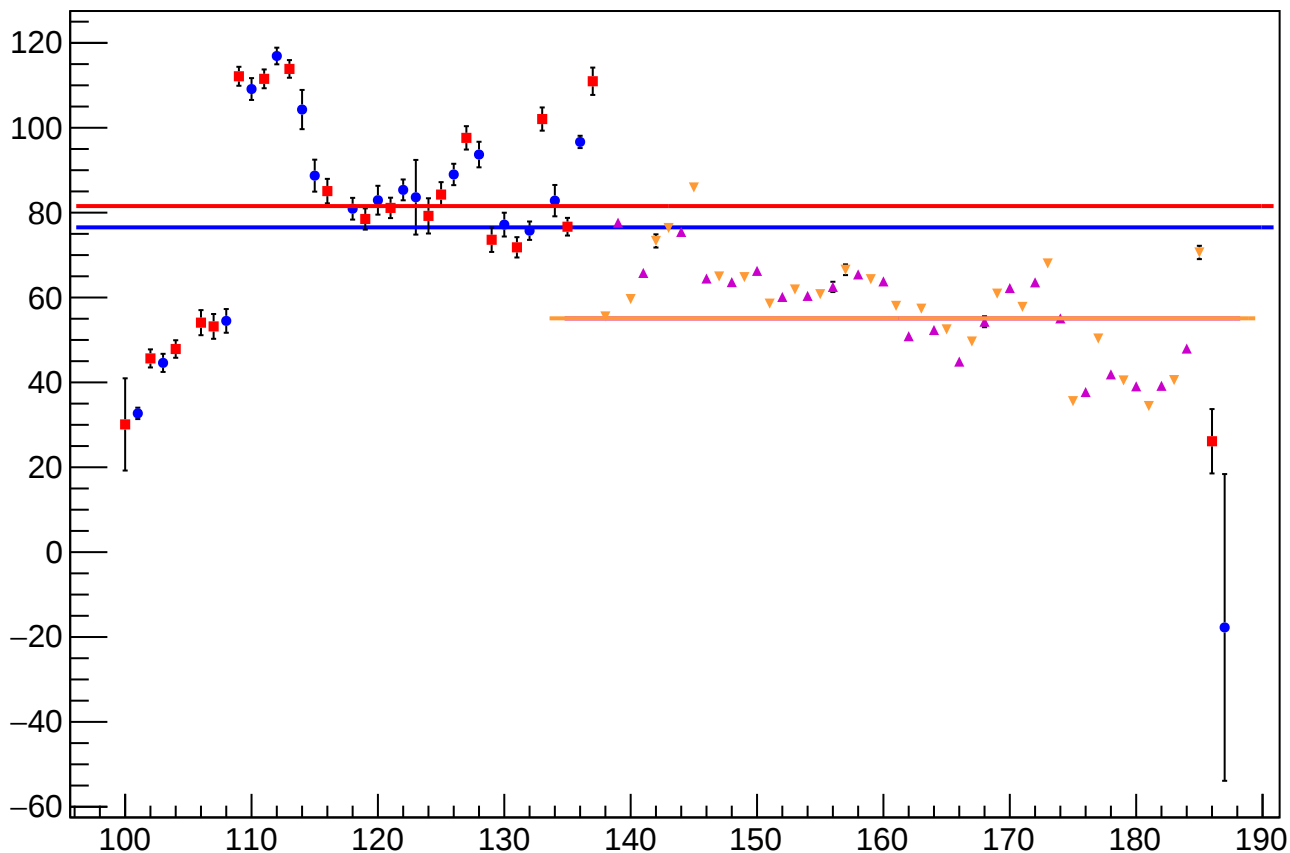
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.102 ± 0.133 χ^2/NDF : 1698.3/42

All: -0.083 ± 0.095 χ^2/NDF : 3195.9/85

- sign -0.063 ± 0.137 χ^2/NDF : 1497.5/42

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.531 $\pm$ 0.577 χ^2 /NDF: 2259.6/17

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.547 $\pm$ 0.591 χ^2 /NDF: 1624.5/19

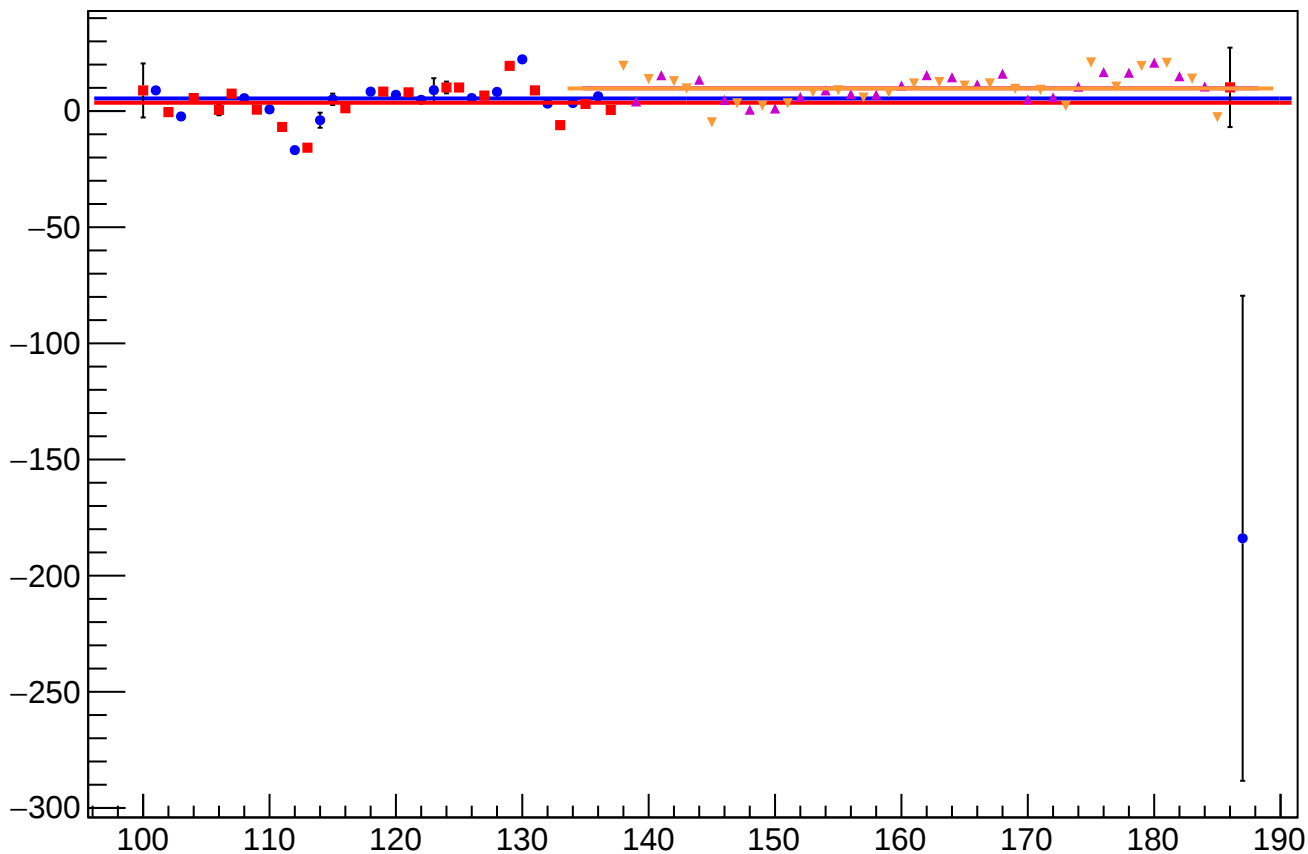
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.225 $\pm$ 0.182 χ^2 /NDF: 8082.4/42

All: 57.426 $\pm$ 0.129 χ^2 /NDF: 15224.6/85

- sign 57.632 $\pm$ 0.184 χ^2 /NDF: 7139.7/42

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.426 ± 0.361 χ^2/NDF : 389.0/17

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.585 ± 0.375 χ^2/NDF : 421.8/19

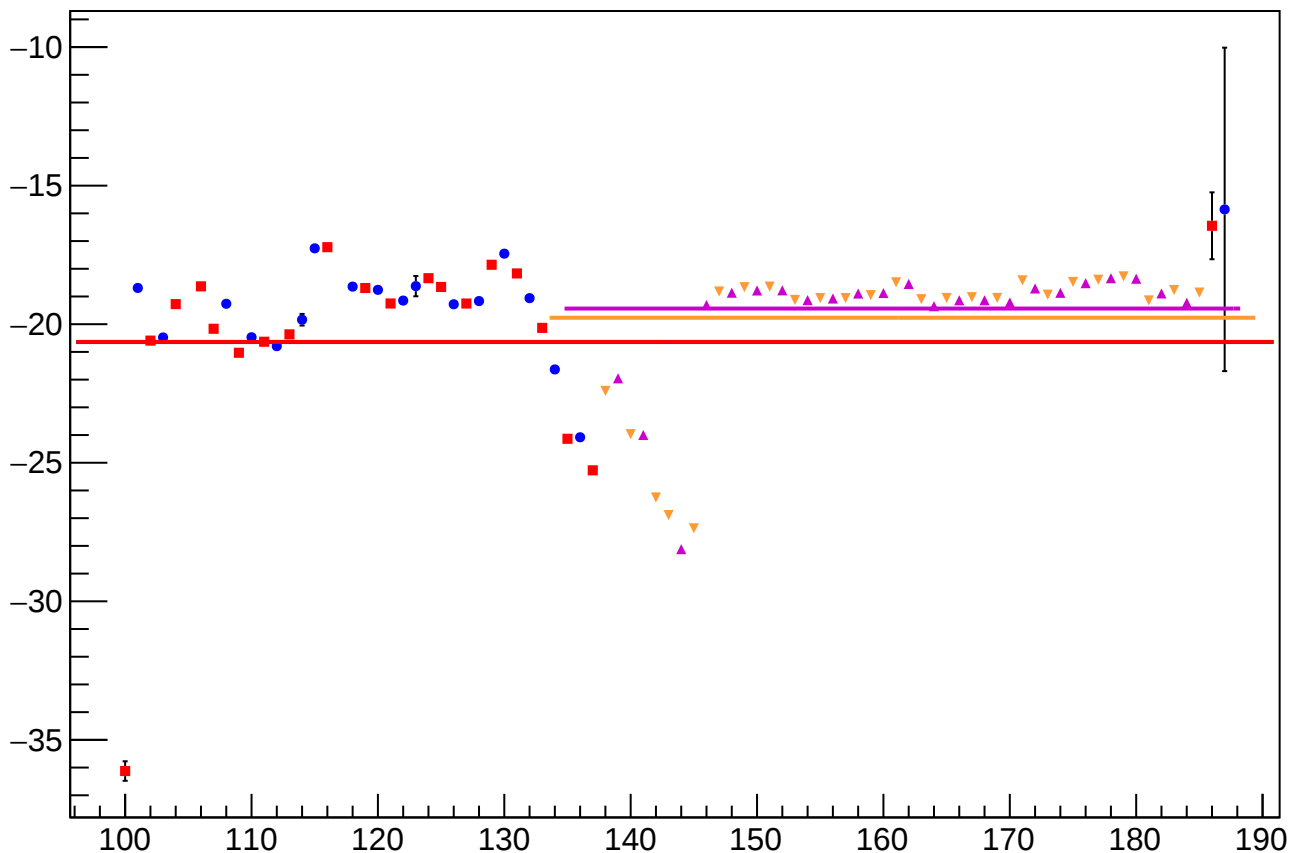
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.971 ± 0.152 χ^2/NDF : 1956.5/42

All: 8.853 ± 0.109 χ^2/NDF : 3765.1/85

- sign 8.728 ± 0.156 χ^2/NDF : 1807.3/42

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 χ^2/NDF : 12424.9/17

Left Out: -19.751 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.639 ± 0.019 χ^2/NDF : 13797.9/19

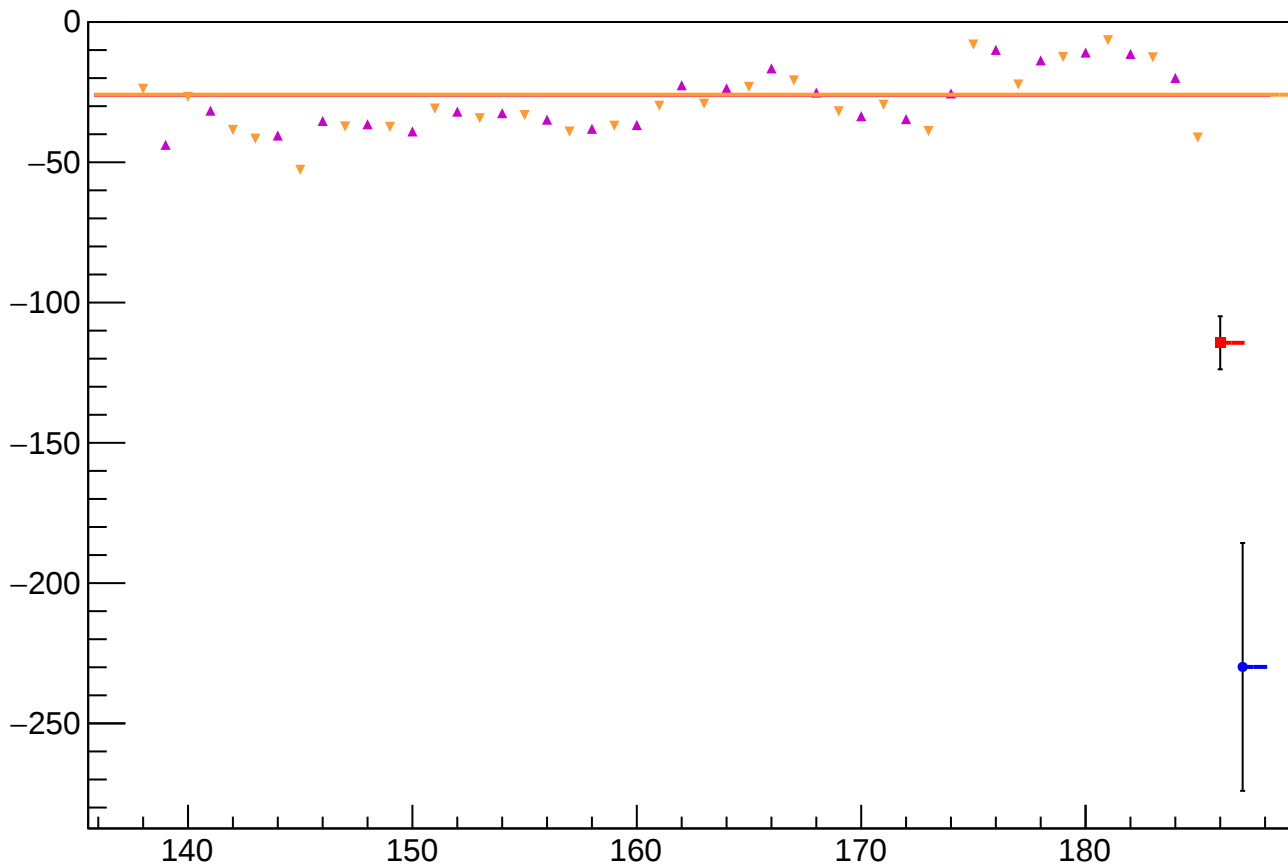
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105803.0/42

All: -19.751 ± 0.005 χ^2/NDF : 176798.6/85

- sign -19.607 ± 0.007 χ^2/NDF : 70243.2/42

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -229.874 ± 44.169 χ^2/NDF : 0.0/0

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -114.340 ± 9.454 χ^2/NDF : 0.0/0

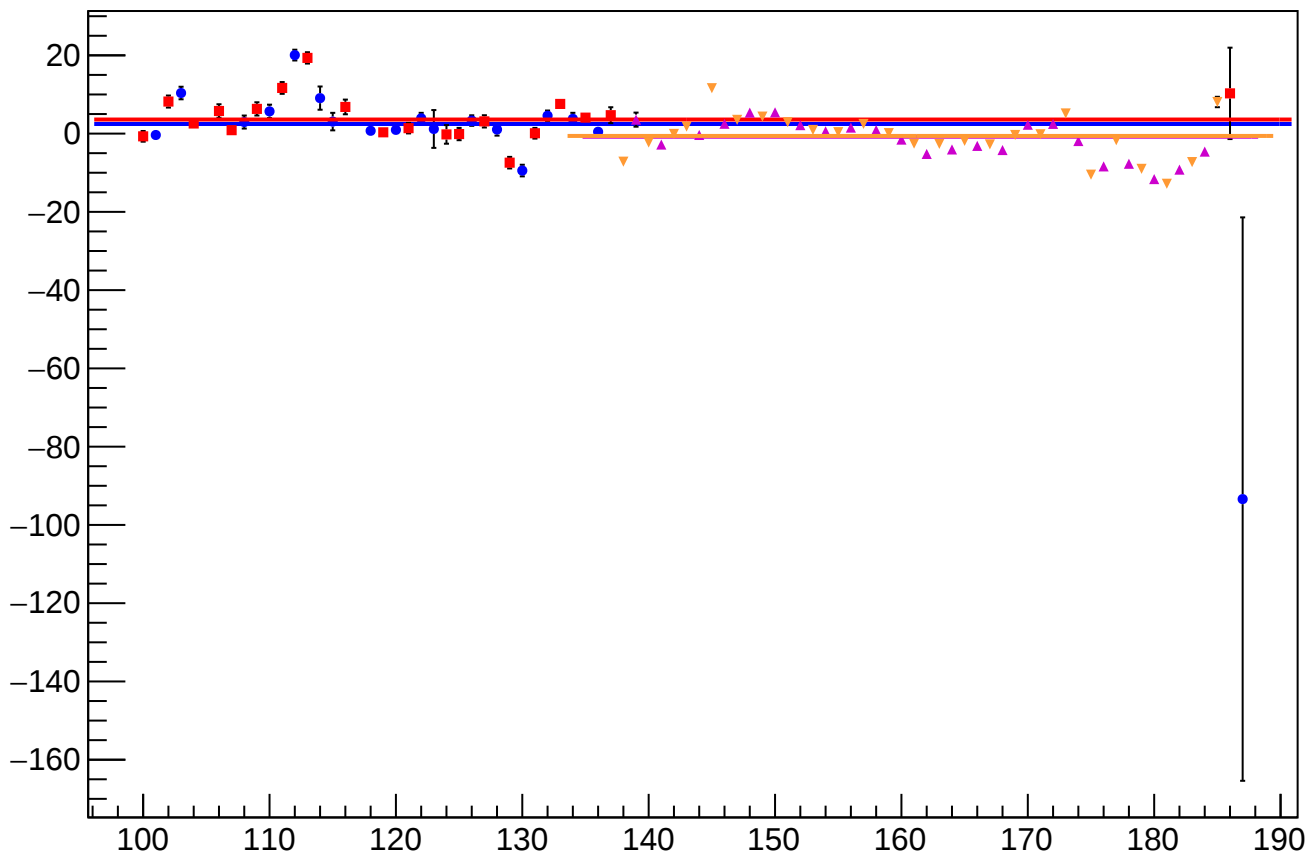
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.903 ± 0.192 χ^2/NDF : 4148.9/25

All: -25.992 ± 0.137 χ^2/NDF : 7483.2/49

- sign -26.084 ± 0.195 χ^2/NDF : 3333.9/23

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.453 ± 0.315 χ^2/NDF : 294.1/17

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.597 ± 0.318 χ^2/NDF : 280.4/19

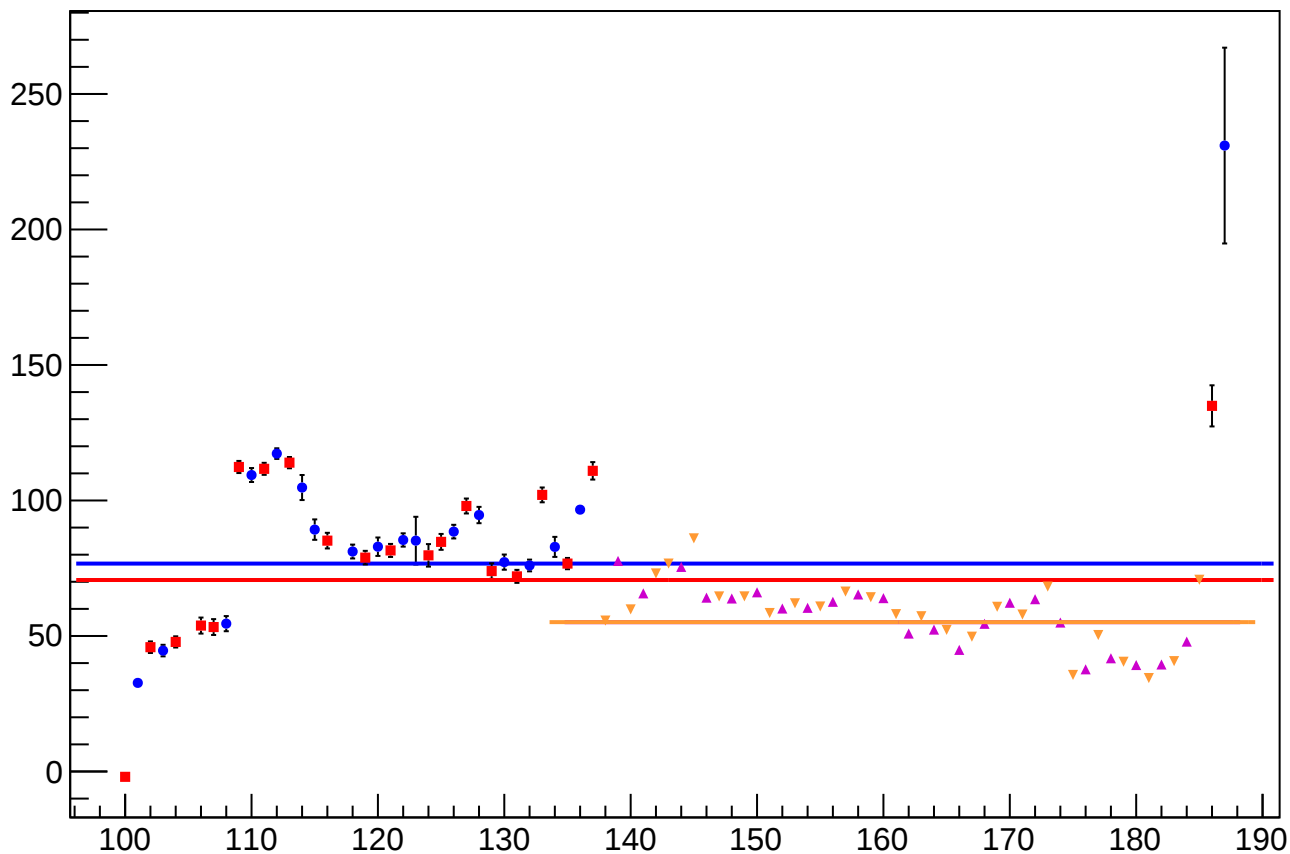
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.055 ± 0.133 χ^2/NDF : 1681.9/42

All: -0.024 ± 0.095 χ^2/NDF : 3224.5/85

- sign 0.009 ± 0.136 χ^2/NDF : 1542.5/42

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.714 ± 0.577 $\chi^2/\text{NDF}: 2283.0/17$

Left Out: 55.111 ± 0.192 $\chi^2/\text{NDF}: 4560.2/24$

Right Out: 70.654 ± 0.549 $\chi^2/\text{NDF}: 4459.3/19$

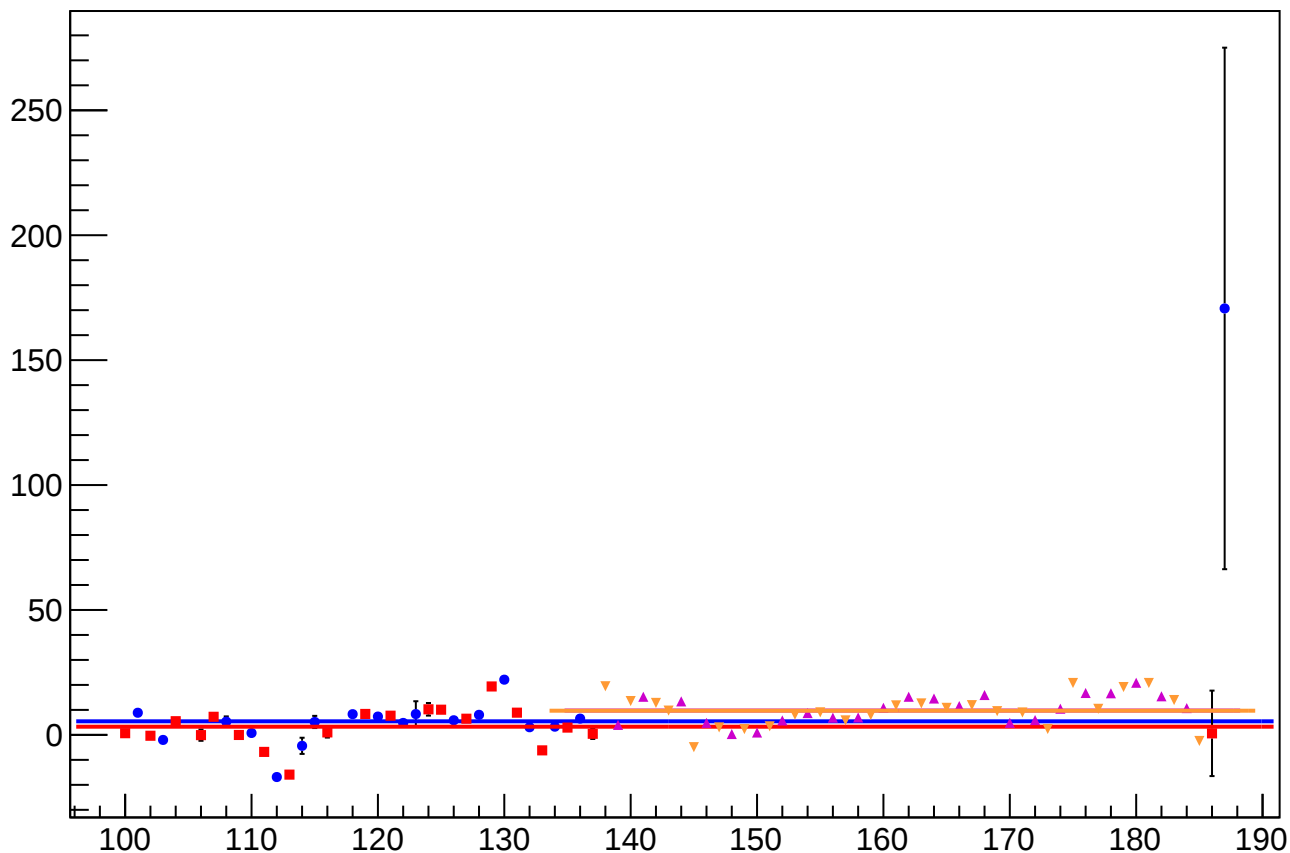
Left In: 55.094 ± 0.194 $\chi^2/\text{NDF}: 3664.6/22$

+ sign 57.255 ± 0.182 $\chi^2/\text{NDF}: 8105.2/42$

All: 57.036 ± 0.129 $\chi^2/\text{NDF}: 16946.3/85$

- sign 56.815 ± 0.183 $\chi^2/\text{NDF}: 8838.2/42$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 386.7/17

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.279 ± 0.366 χ^2/NDF : 425.1/19

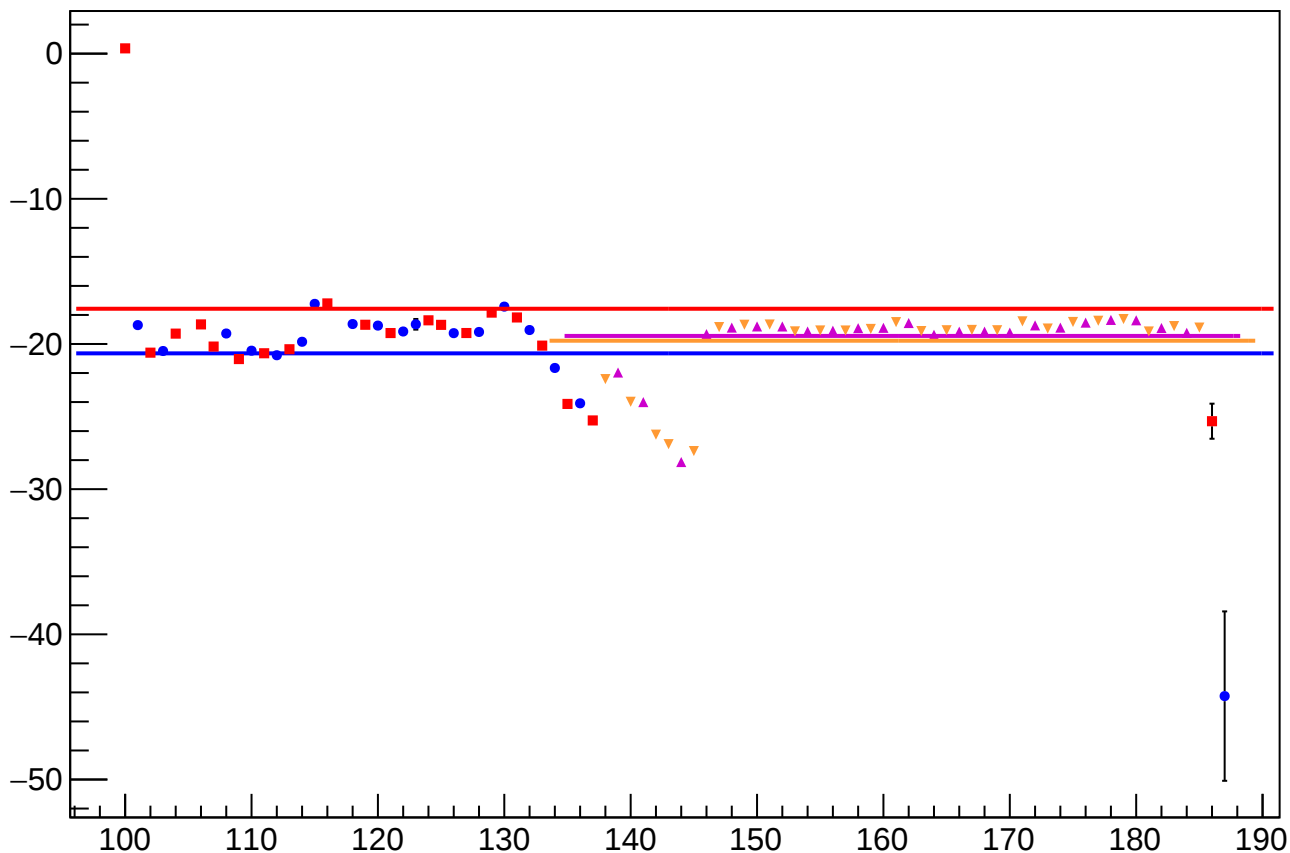
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.921 ± 0.152 χ^2/NDF : 1941.7/42

All: 8.749 ± 0.109 χ^2/NDF : 3816.3/85

- sign 8.569 ± 0.155 χ^2/NDF : 1872.0/42

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.645 ± 0.019 χ^2/NDF : 12479.1/17

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.573 ± 0.018 χ^2/NDF : 178359.2/19

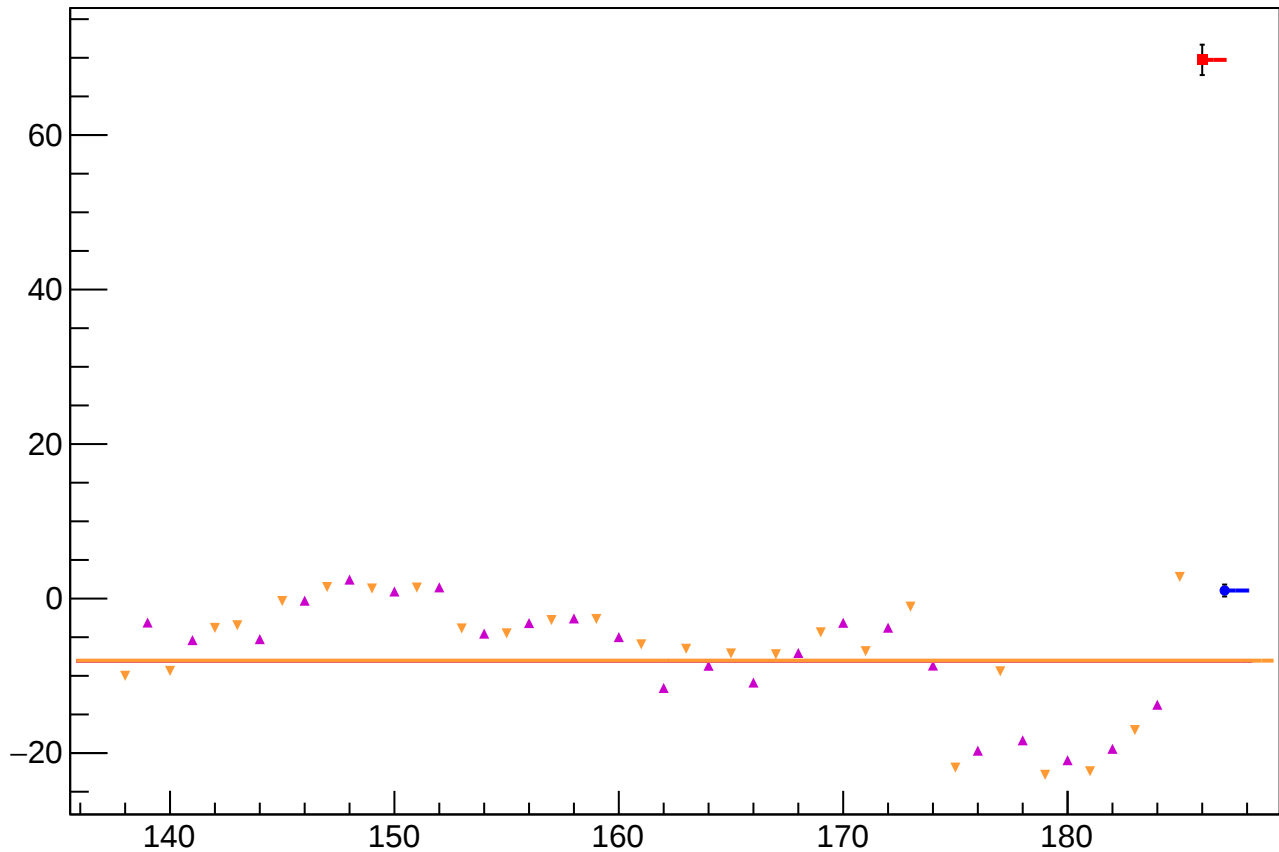
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105722.4/42

All: -19.518 ± 0.005 χ^2/NDF : 351626.5/85

- sign -19.140 ± 0.007 χ^2/NDF : 240492.1/42

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 1.044+/-0.771 χ^2/NDF : 0.0/0

Left Out: -8.034+/-0.070 χ^2/NDF : 12568.0/24

Right Out: 69.732+/-1.967 χ^2/NDF : 0.0/0

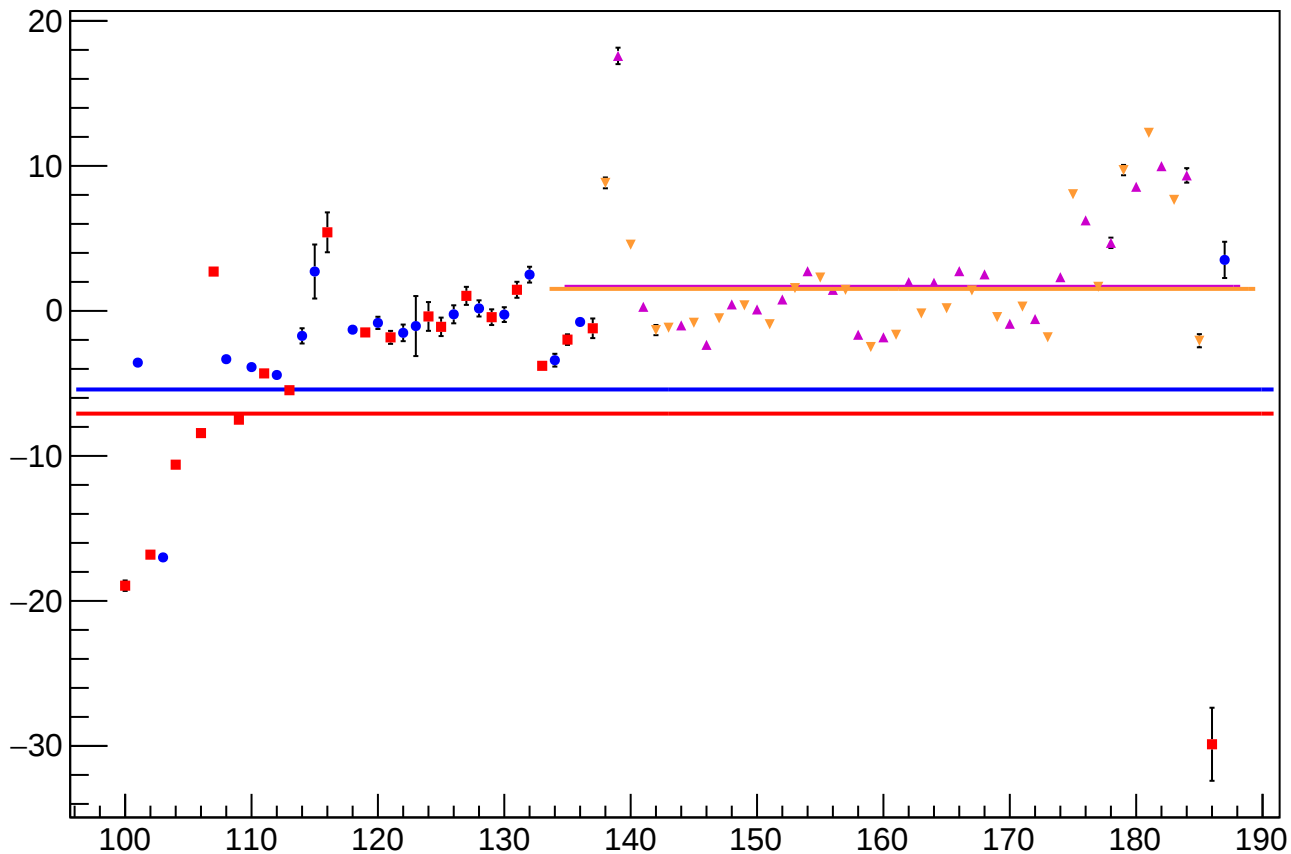
Left In: -8.078+/-0.072 χ^2/NDF : 10541.6/22

+ sign -7.959+/-0.070 χ^2/NDF : 12705.5/25

All: -7.966+/-0.050 χ^2/NDF : 24810.0/49

- sign -7.974+/-0.072 χ^2/NDF : 12104.4/23

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.418 ± 0.055 χ^2/NDF : 9277.8/17

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -7.084 ± 0.059 χ^2/NDF : 12376.2/19

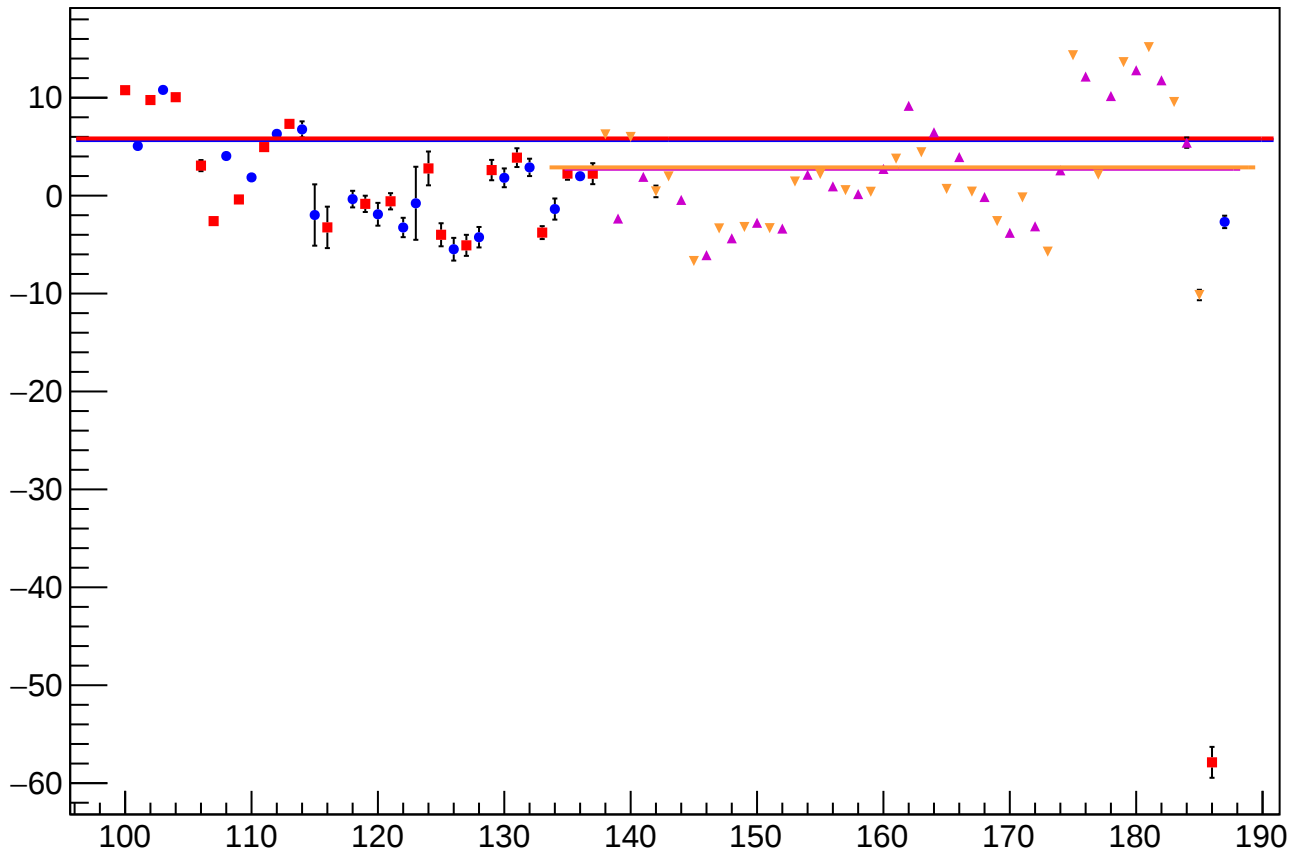
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -1.920 ± 0.039 χ^2/NDF : 22195.3/42

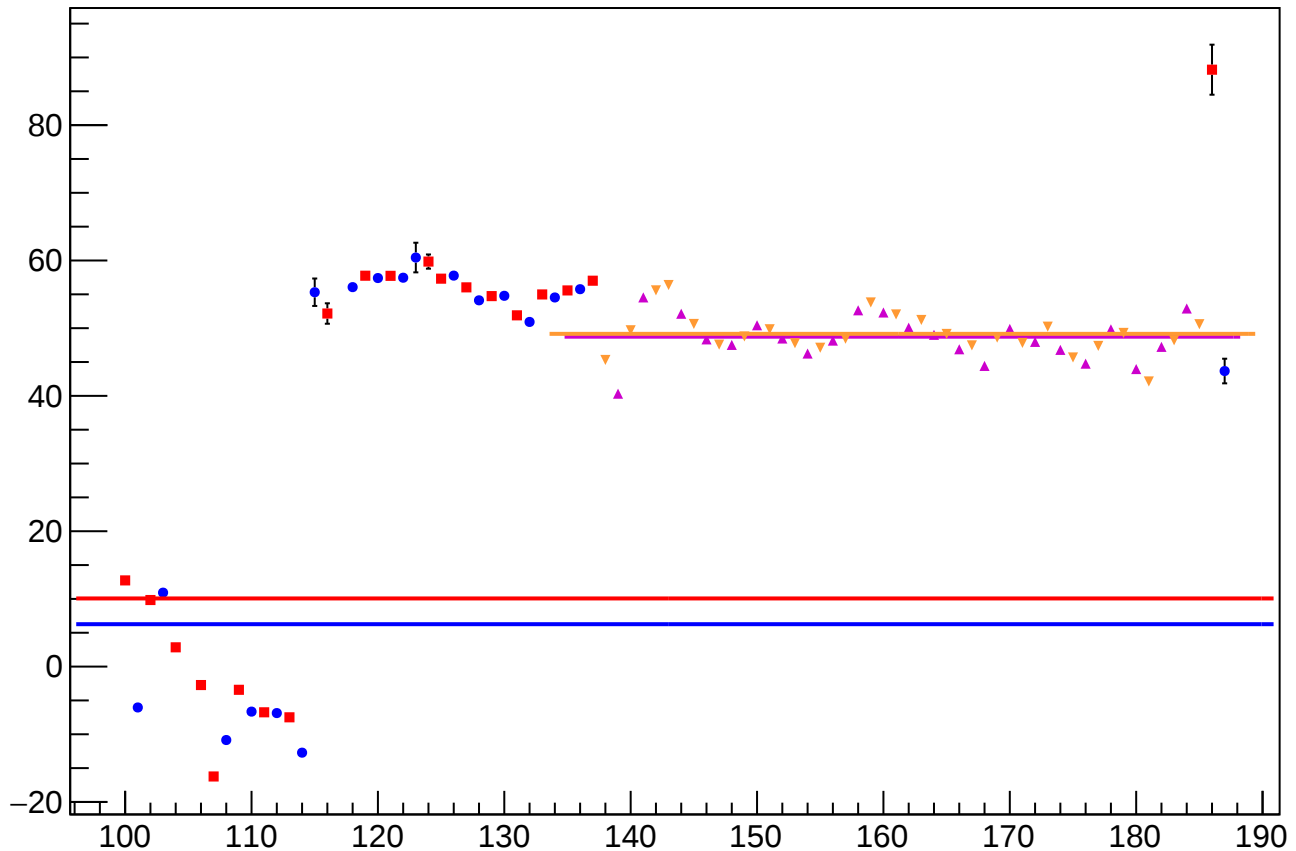
All: -2.205 ± 0.028 χ^2/NDF : 50164.2/85

- sign -2.525 ± 0.041 χ^2/NDF : 27852.9/42

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.264+/-0.065 χ^2/NDF : 121023.0/17

Left Out: 49.163+/-0.062 χ^2/NDF : 2259.9/24

Right Out: 10.067+/-0.070 χ^2/NDF : 122172.7/19

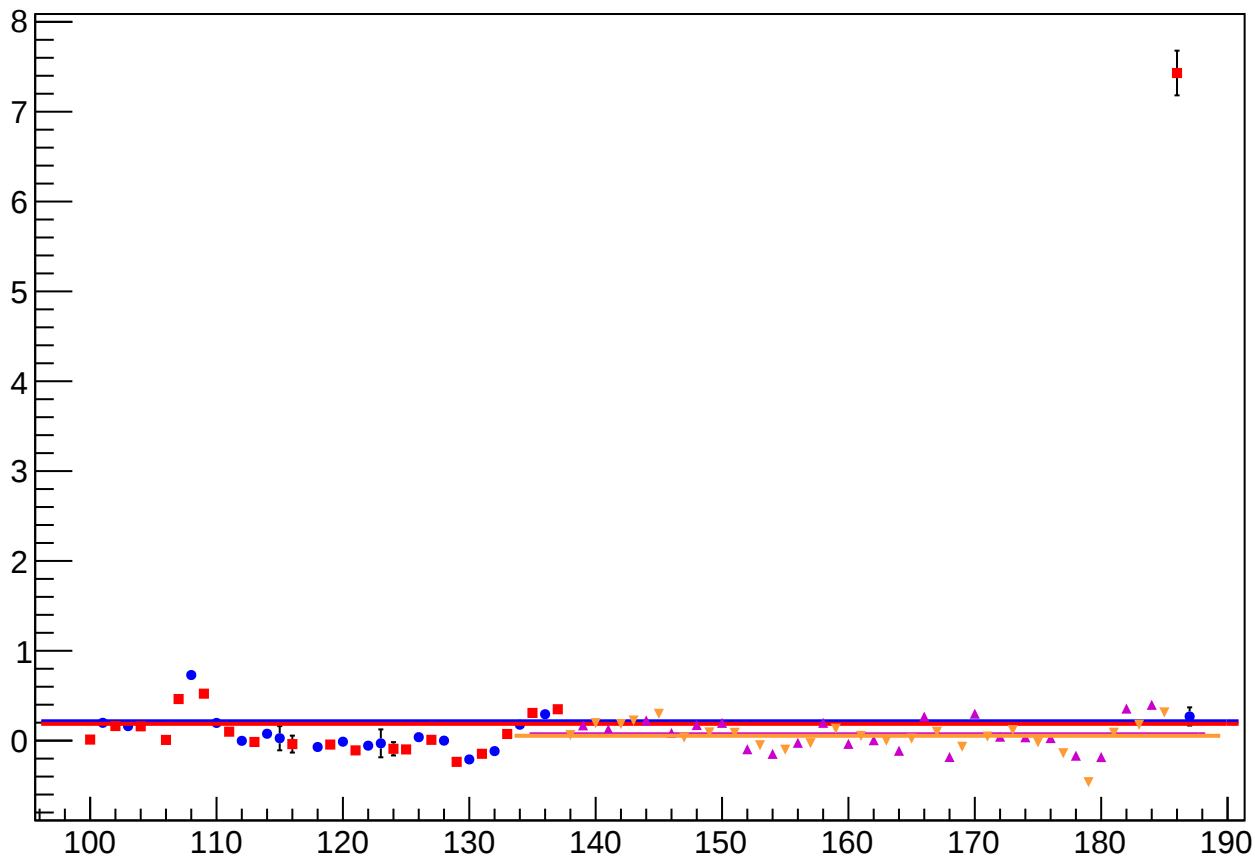
Left In: 48.744+/-0.064 χ^2/NDF : 2097.7/22

+ sign 28.757+/-0.045 χ^2/NDF : 352937.1/42

All: 29.885+/-0.032 χ^2/NDF : 646032.7/85

- sign 31.136+/-0.047 χ^2/NDF : 291751.8/42

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 ± 0.003 $\chi^2/\text{NDF}: 3924.2/17$

Left Out: 0.054 ± 0.003 $\chi^2/\text{NDF}: 2379.8/24$

Right Out: 0.187 ± 0.003 $\chi^2/\text{NDF}: 3564.4/19$

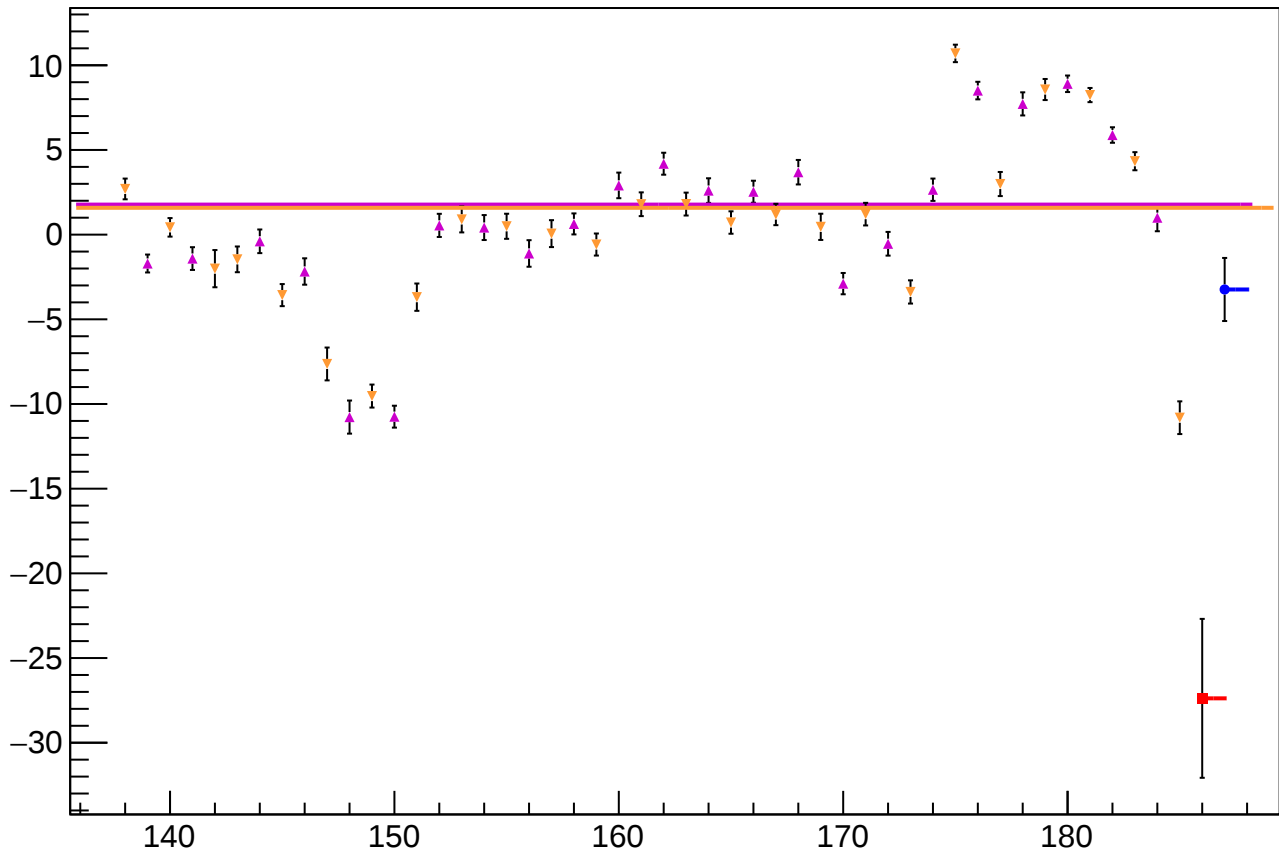
Left In: 0.070 ± 0.003 $\chi^2/\text{NDF}: 3233.8/22$

+ sign 0.136 ± 0.002 $\chi^2/\text{NDF}: 7967.1/42$

All: 0.134 ± 0.001 $\chi^2/\text{NDF}: 15646.7/85$

- sign 0.132 ± 0.002 $\chi^2/\text{NDF}: 7677.6/42$

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -3.238+/-1.863 χ^2 /NDF: 0.0/0

Left Out: 1.584+/-0.133 χ^2 /NDF:1458.8/24

Right Out: -27.380+/-4.692 χ^2 /NDF: 0.0/0

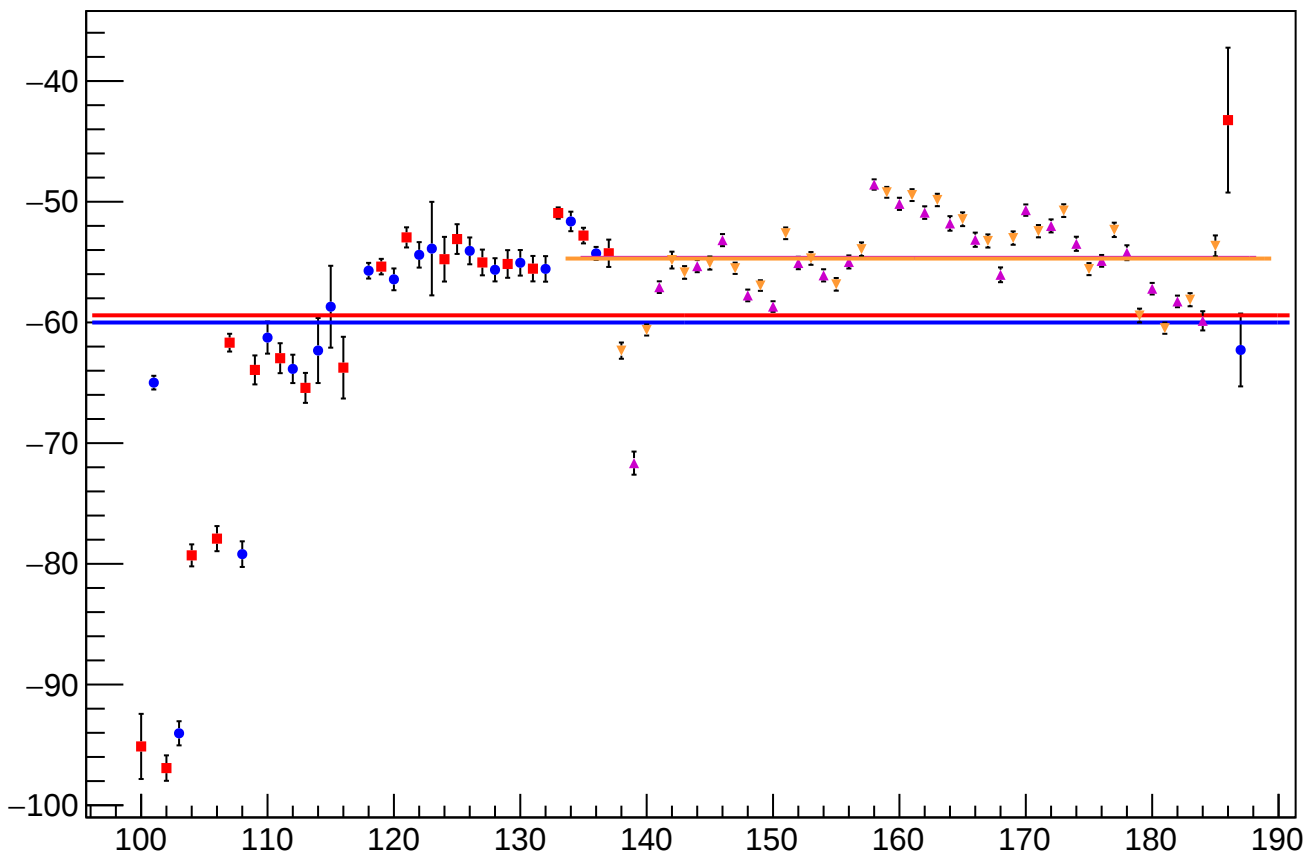
Left In: 1.774+/-0.135 χ^2 /NDF:1297.3/22

+ sign 1.560+/-0.132 χ^2 /NDF: 1465.5/25

All: 1.653+/-0.095 χ^2 /NDF: 2802.4/49

- sign 1.750+/-0.135 χ^2 /NDF: 1335.9/23

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -60.006 ± 0.225 χ^2/NDF : 1974.0/17

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -59.411 ± 0.212 χ^2/NDF : 2927.4/19

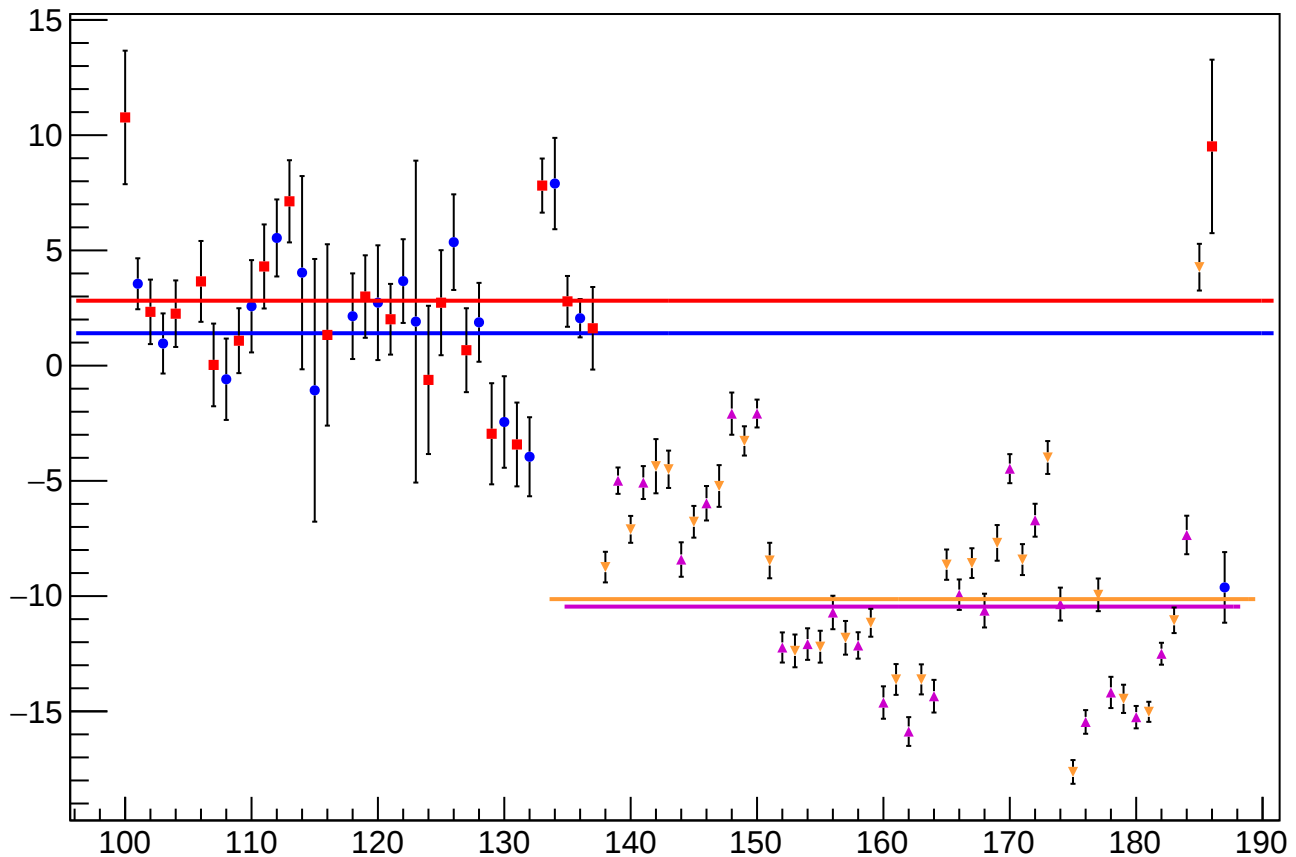
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -55.668 ± 0.096 χ^2/NDF : 3555.7/42

All: -55.662 ± 0.068 χ^2/NDF : 7957.9/85

- sign -55.657 ± 0.097 χ^2/NDF : 4402.2/42

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 1.406 ± 0.393 $\chi^2/\text{NDF}: 94.6/17$

Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$

Right Out: 2.817 ± 0.386 $\chi^2/\text{NDF}: 61.8/19$

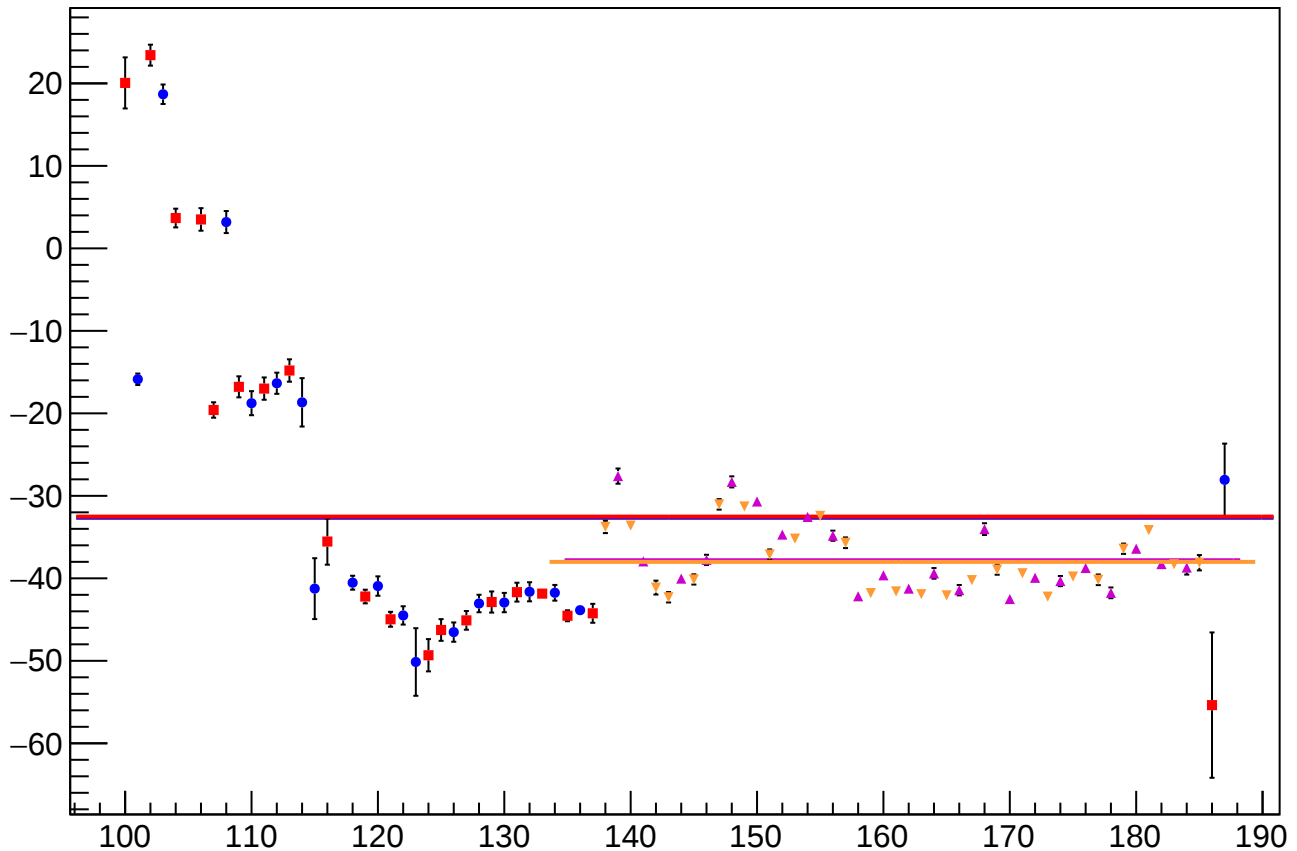
Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

+ sign -8.946 ± 0.126 $\chi^2/\text{NDF}: 1925.2/42$

All: -8.982 ± 0.089 $\chi^2/\text{NDF}: 4042.2/85$

- sign -9.019 ± 0.127 $\chi^2/\text{NDF}: 2116.8/42$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.655 ± 0.256 $\chi^2/\text{NDF}: 4643.7/17$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -32.518 ± 0.244 $\chi^2/\text{NDF}: 6049.7/19$

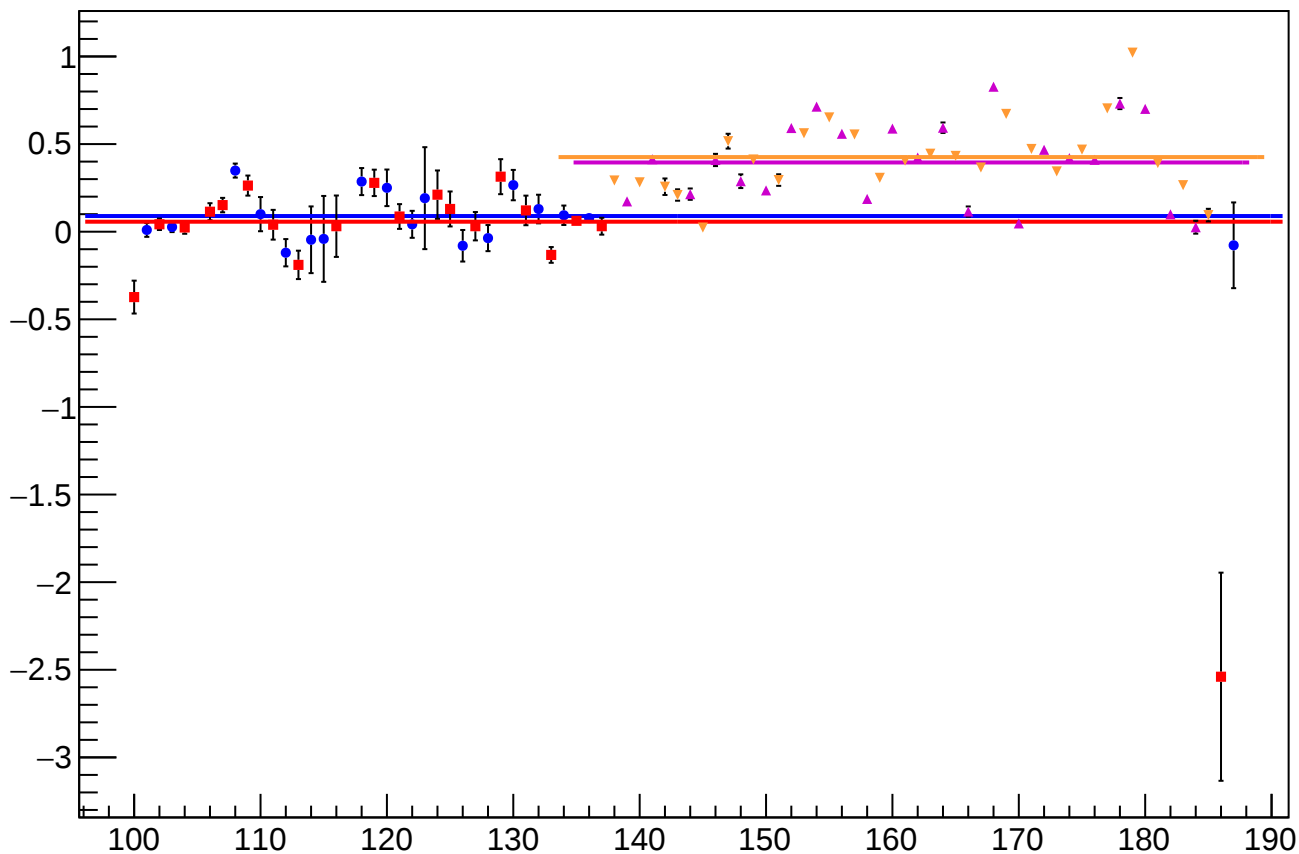
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -37.057 ± 0.108 $\chi^2/\text{NDF}: 5950.2/42$

All: -36.905 ± 0.077 $\chi^2/\text{NDF}: 13419.0/85$

- sign -36.748 ± 0.109 $\chi^2/\text{NDF}: 7464.8/42$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.089 ± 0.013 χ^2/NDF : 79.6/17

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.057 ± 0.012 χ^2/NDF : 106.1/19

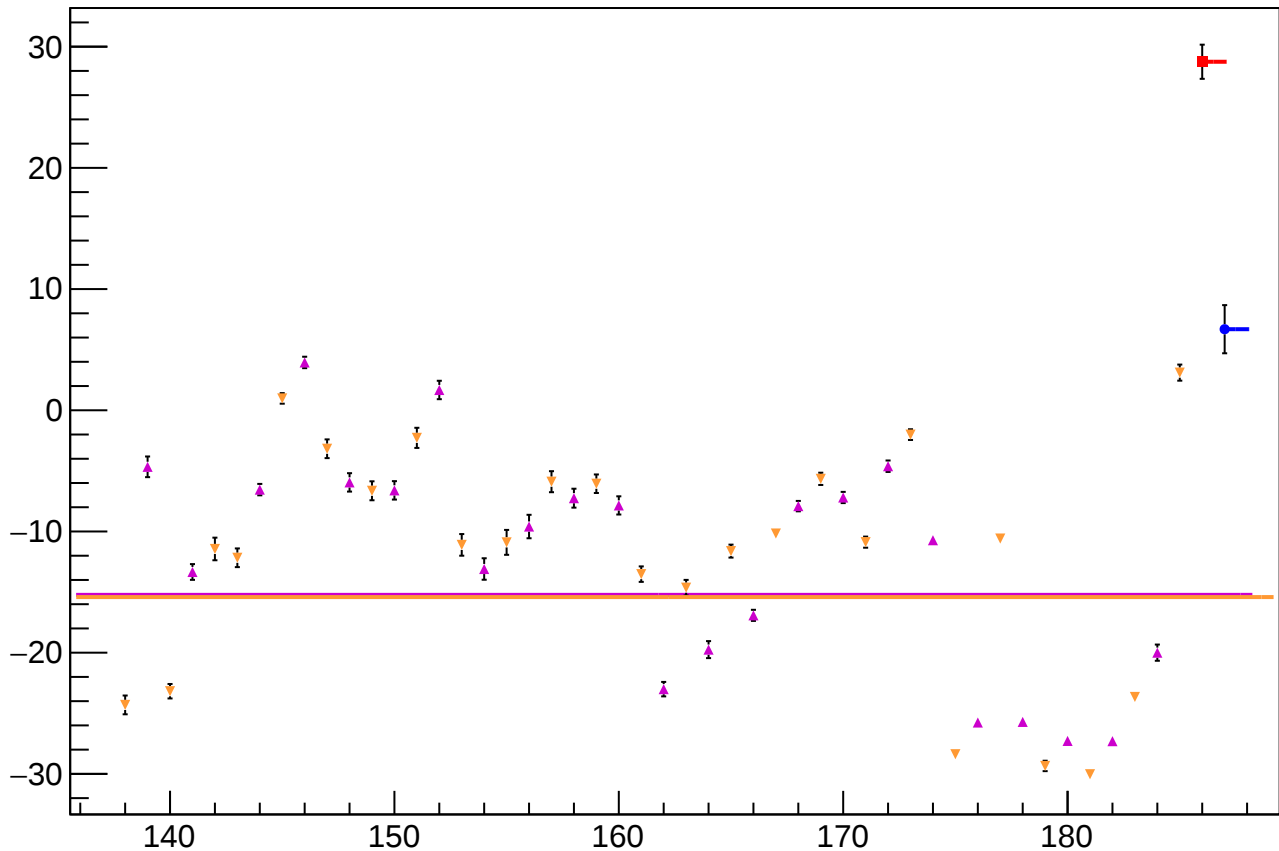
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.375 ± 0.005 χ^2/NDF : 1975.7/42

All: 0.357 ± 0.004 χ^2/NDF : 4549.5/85

- sign 0.339 ± 0.005 χ^2/NDF : 2547.7/42

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 6.689 ± 1.987 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: 28.756 ± 1.409 $\chi^2/\text{NDF}: 0.0/0$

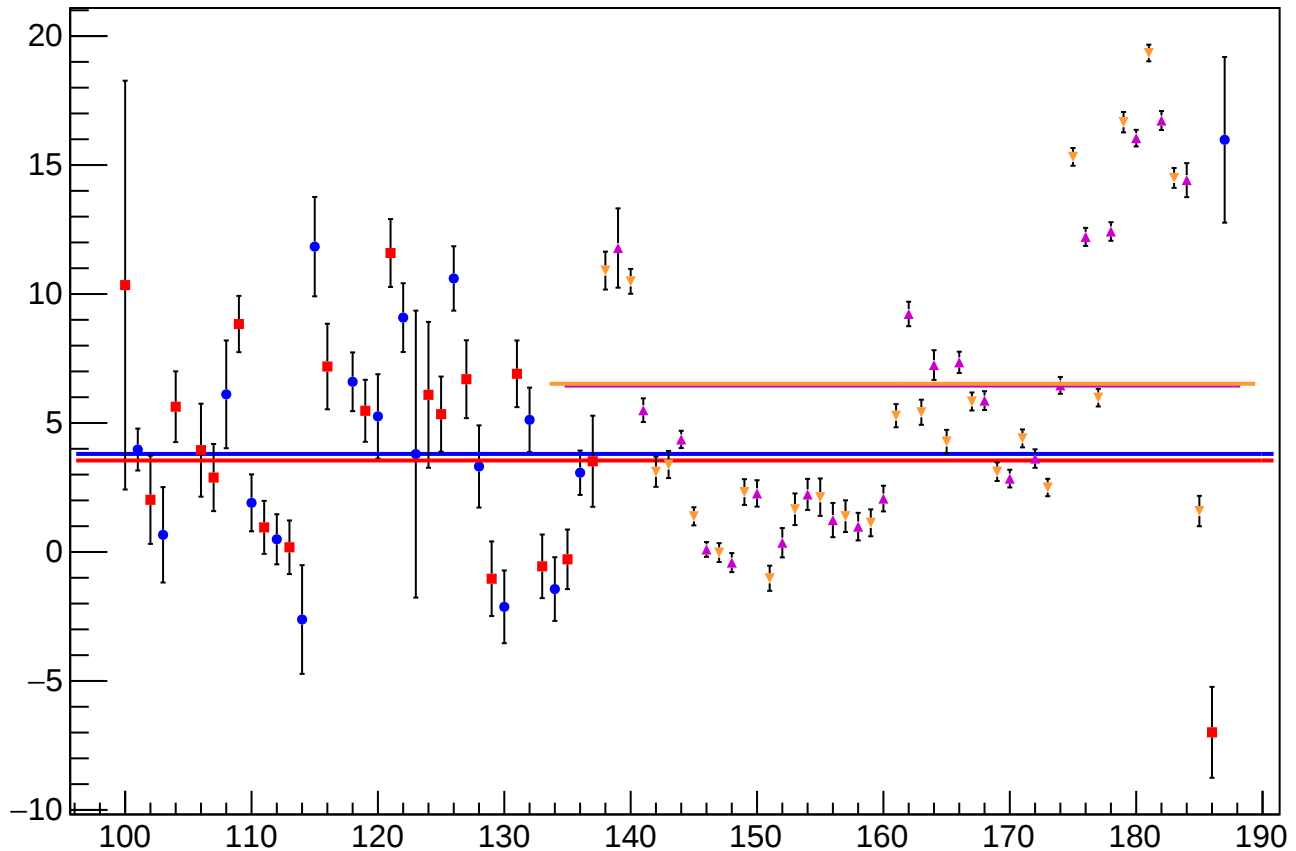
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.351 ± 0.105 $\chi^2/\text{NDF}: 10632.5/25$

All: -15.167 ± 0.075 $\chi^2/\text{NDF}: 20264.4/49$

- sign -14.979 ± 0.106 $\chi^2/\text{NDF}: 9625.7/23$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.801 ± 0.309 $\chi^2/\text{NDF}: 149.7/17$

Left Out: 6.521 ± 0.085 $\chi^2/\text{NDF}: 4985.2/24$

Right Out: 3.547 ± 0.312 $\chi^2/\text{NDF}: 170.6/19$

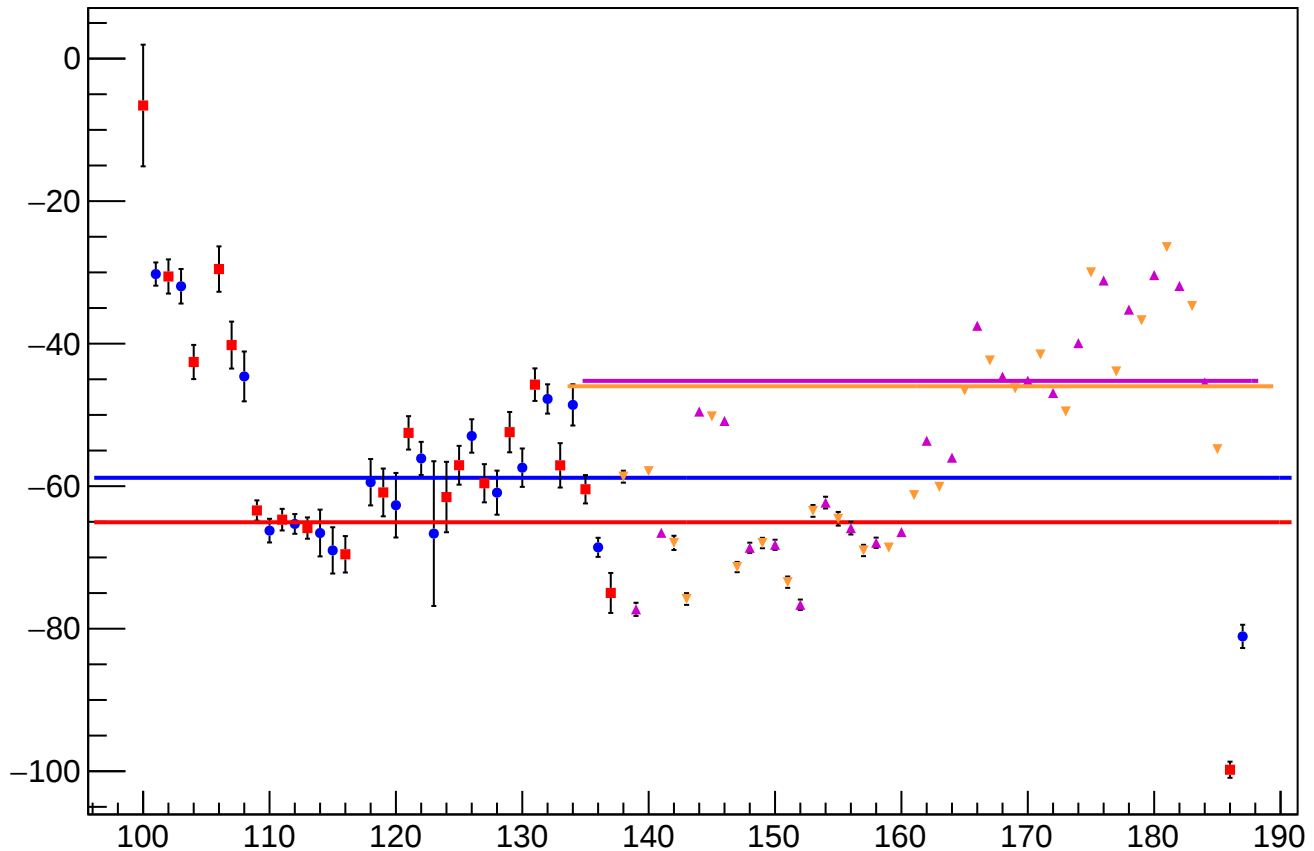
Left In: 6.452 ± 0.086 $\chi^2/\text{NDF}: 3948.0/22$

+ sign 6.329 ± 0.082 $\chi^2/\text{NDF}: 5206.6/42$

All: 6.288 ± 0.058 $\chi^2/\text{NDF}: 9406.4/85$

- sign 6.246 ± 0.083 $\chi^2/\text{NDF}: 4199.3/42$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -58.823 ± 0.516 χ^2/NDF : 793.8/17

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -65.062 ± 0.485 χ^2/NDF : 1627.6/19

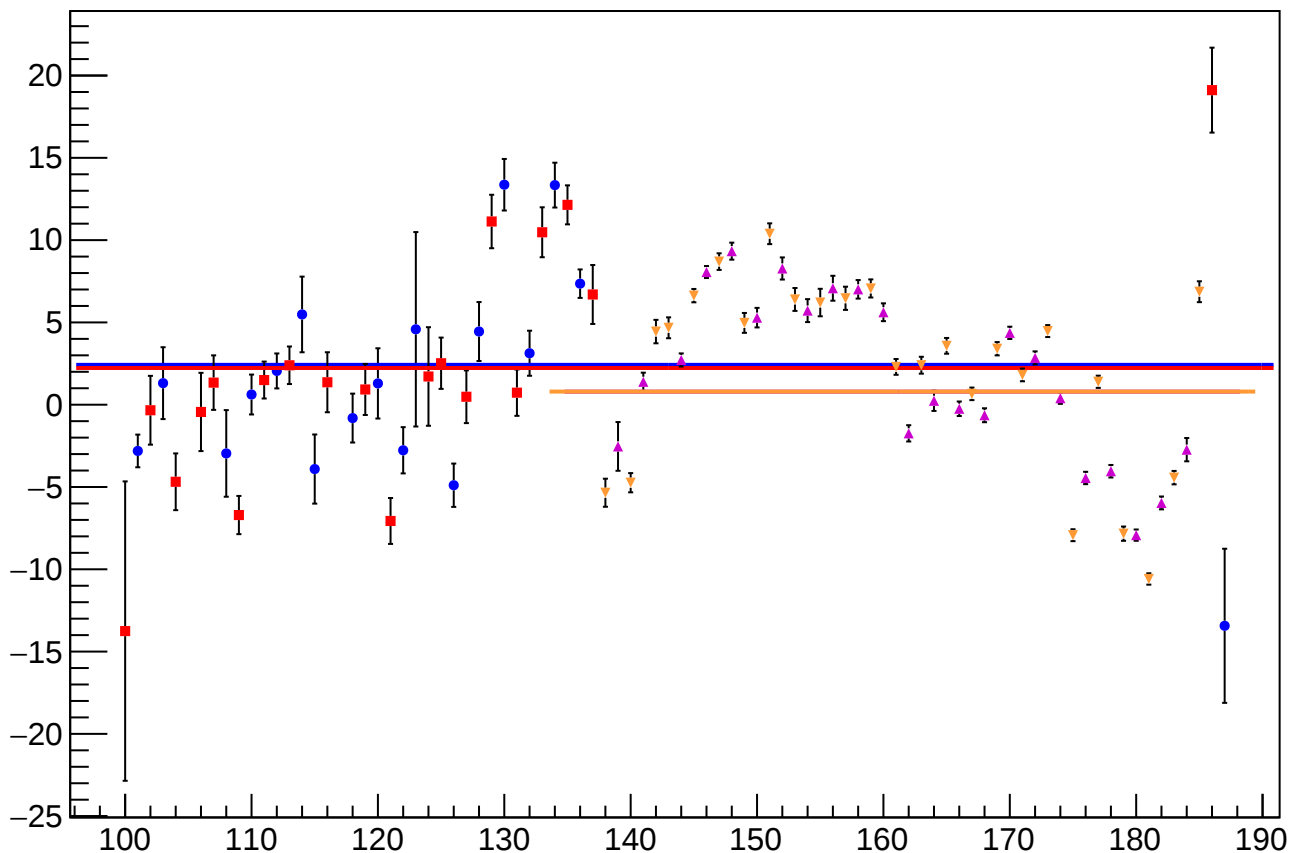
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.504 ± 0.104 χ^2/NDF : 18747.3/42

All: -46.326 ± 0.074 χ^2/NDF : 37575.8/85

- sign -46.145 ± 0.105 χ^2/NDF : 18822.6/42

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.421 $\pm$ 0.347 χ^2 /NDF: 253.8/17

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.231 $\pm$ 0.352 χ^2 /NDF: 308.2/19

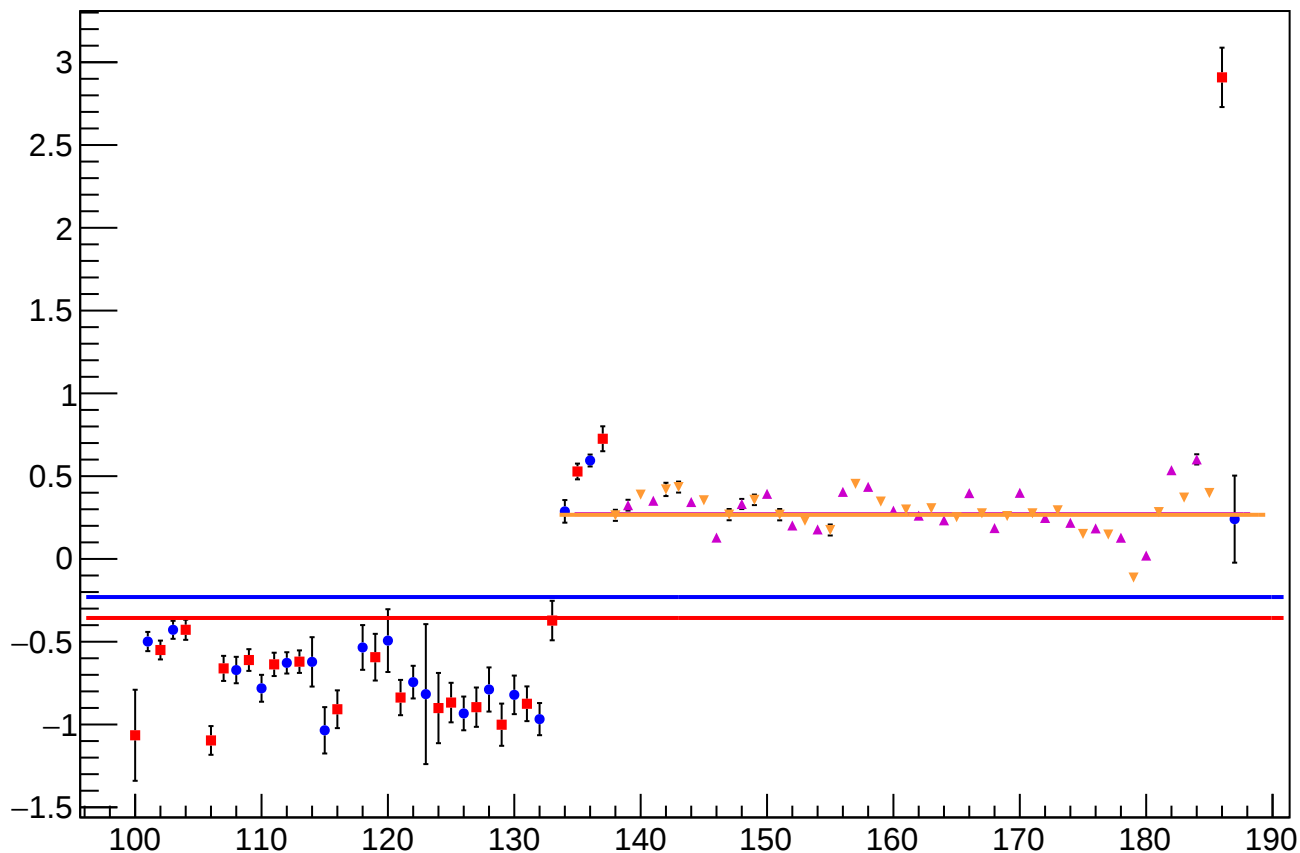
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.912 $\pm$ 0.092 χ^2 /NDF: 4034.1/42

All: 0.902 $\pm$ 0.065 χ^2 /NDF: 7050.3/85

- sign 0.893 $\pm$ 0.093 χ^2 /NDF: 3016.2/42

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.230 ± 0.019 χ^2/NDF : 960.2/17

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.357 ± 0.019 χ^2/NDF : 1179.7/19

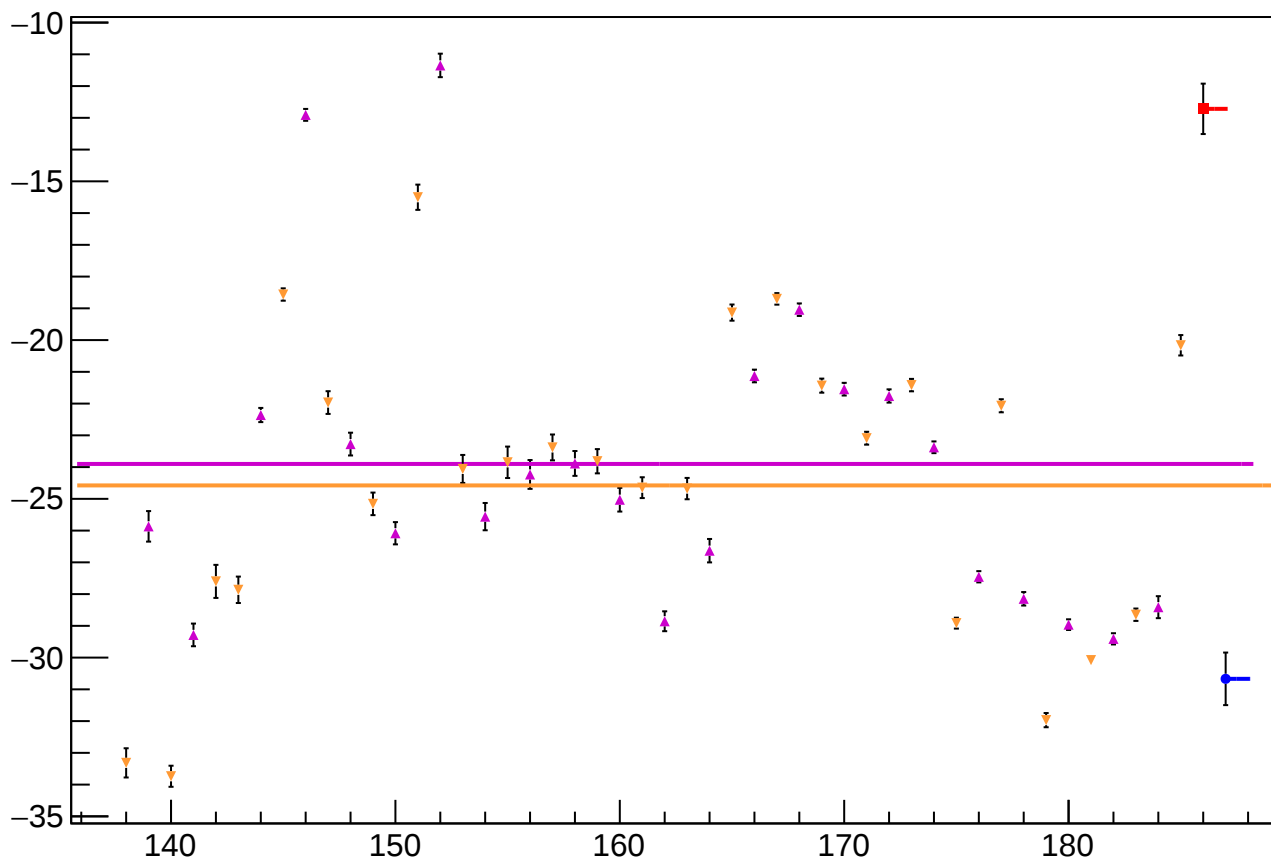
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.241 ± 0.004 χ^2/NDF : 2317.6/42

All: 0.240 ± 0.003 χ^2/NDF : 5510.8/85

- sign 0.238 ± 0.004 χ^2/NDF : 3192.8/42

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.669 ± 0.828 χ^2/NDF : 0.0/0

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -12.717 ± 0.794 χ^2/NDF : 0.0/0

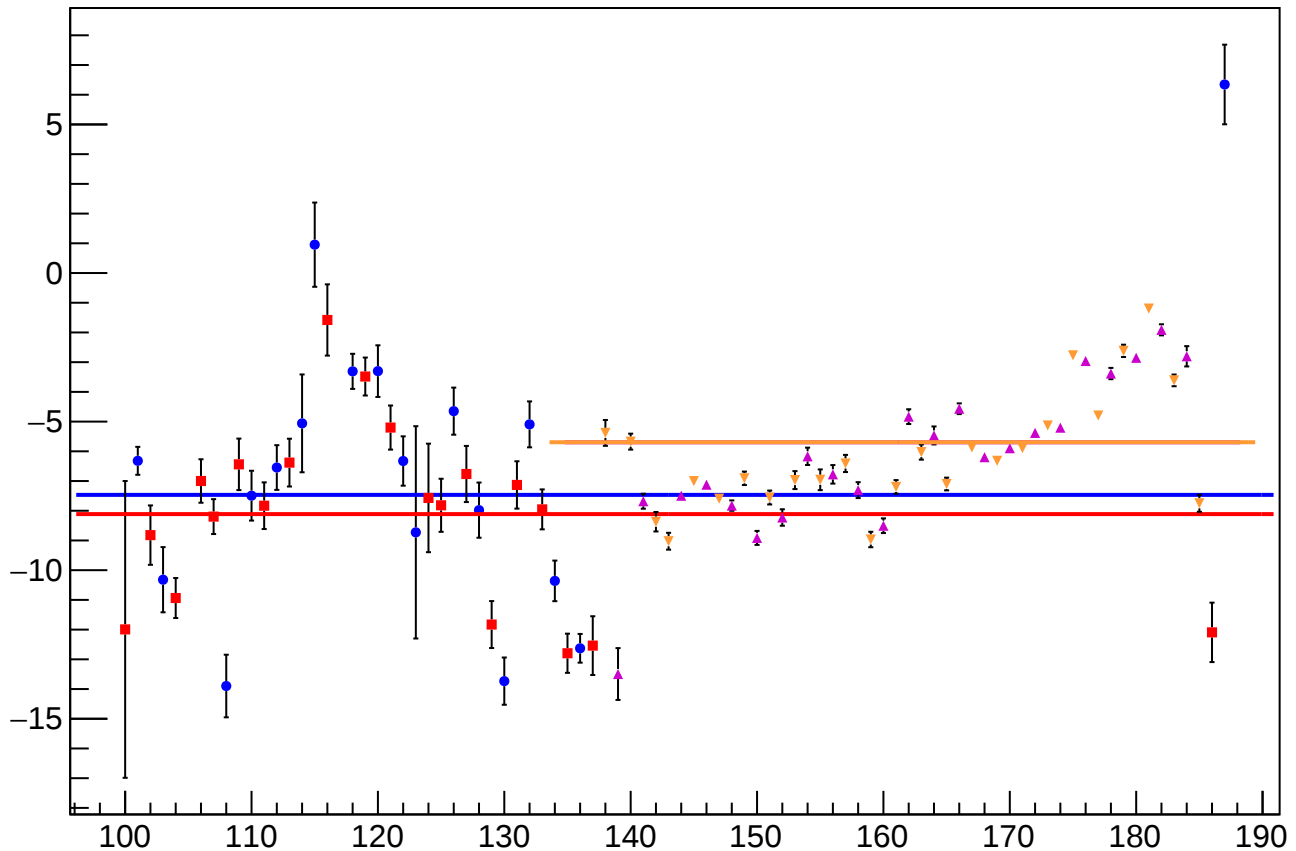
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.600 ± 0.051 χ^2/NDF : 8644.4/25

All: -24.228 ± 0.036 χ^2/NDF : 18104.1/49

- sign -23.855 ± 0.051 χ^2/NDF : 9352.6/23

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.466 ± 0.186 χ^2/NDF : 486.4/17

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -8.113 ± 0.183 χ^2/NDF : 239.5/19

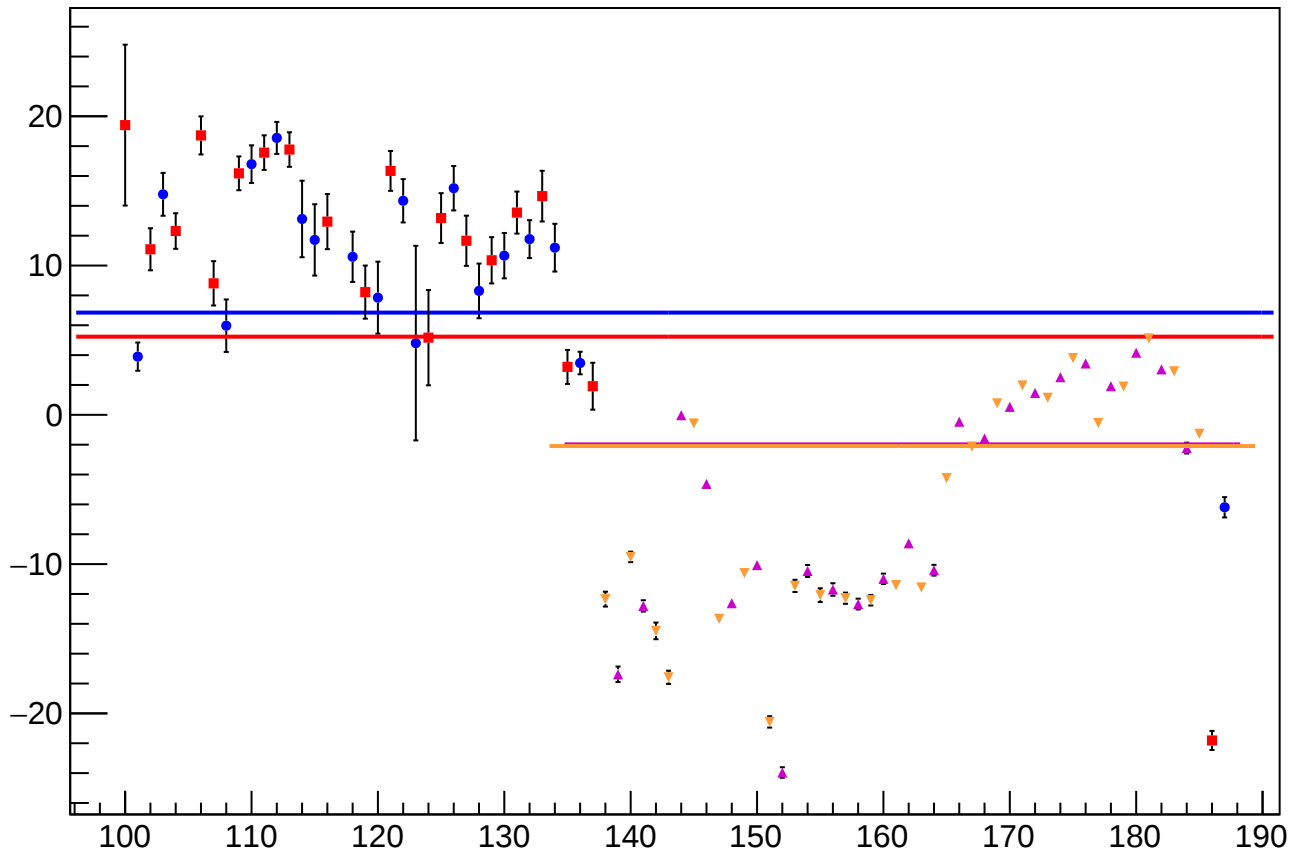
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.777 ± 0.040 χ^2/NDF : 2831.5/42

All: -5.794 ± 0.028 χ^2/NDF : 5547.4/85

- sign -5.811 ± 0.040 χ^2/NDF : 2715.5/42

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 6.848 ± 0.303 χ^2/NDF : 712.1/17

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: 5.236 ± 0.295 χ^2/NDF : 2514.1/19

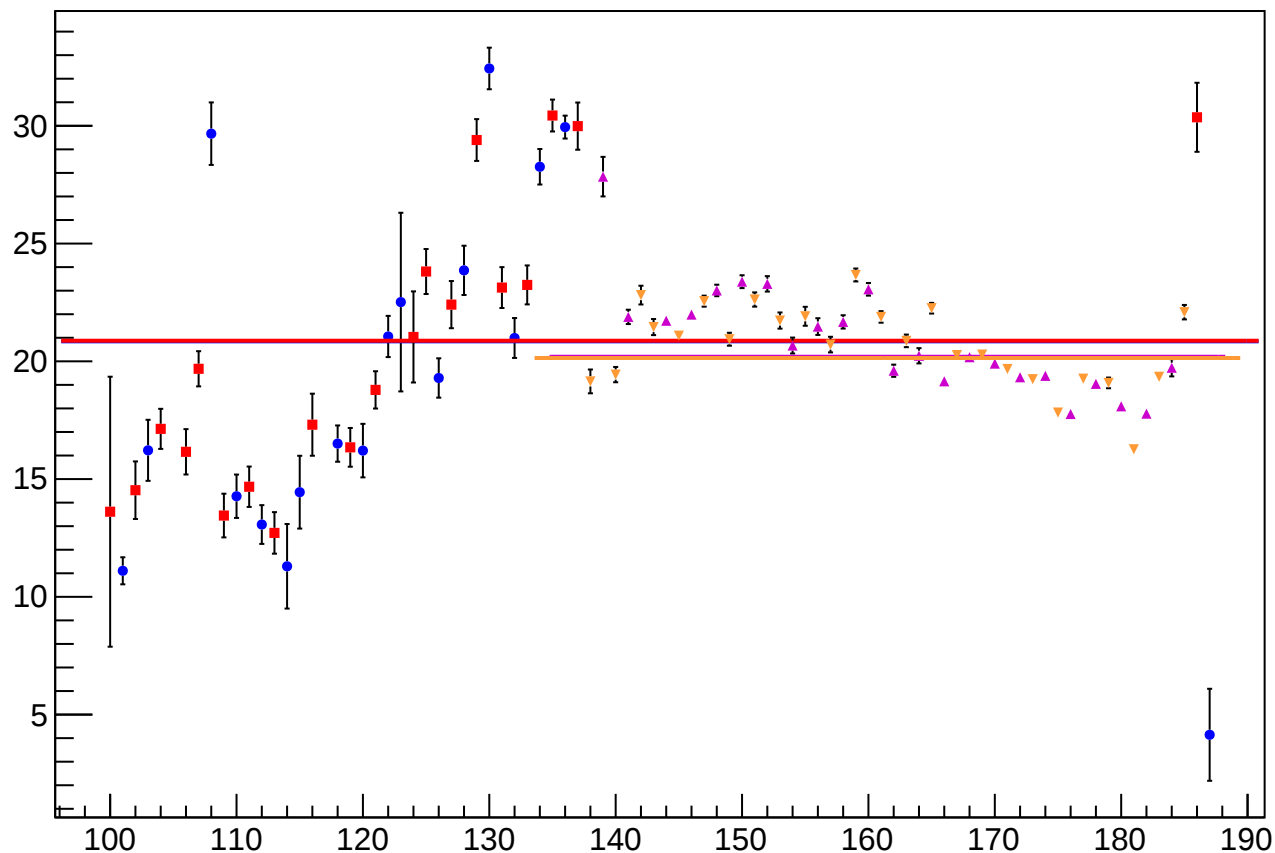
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -1.842 ± 0.051 χ^2/NDF : 17863.2/42

All: -1.805 ± 0.036 χ^2/NDF : 36340.5/85

- sign -1.769 ± 0.051 χ^2/NDF : 18476.2/42

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.849 $\pm$ 0.210 χ^2 /NDF: 1283.4/17

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.874 $\pm$ 0.211 χ^2 /NDF: 764.4/19

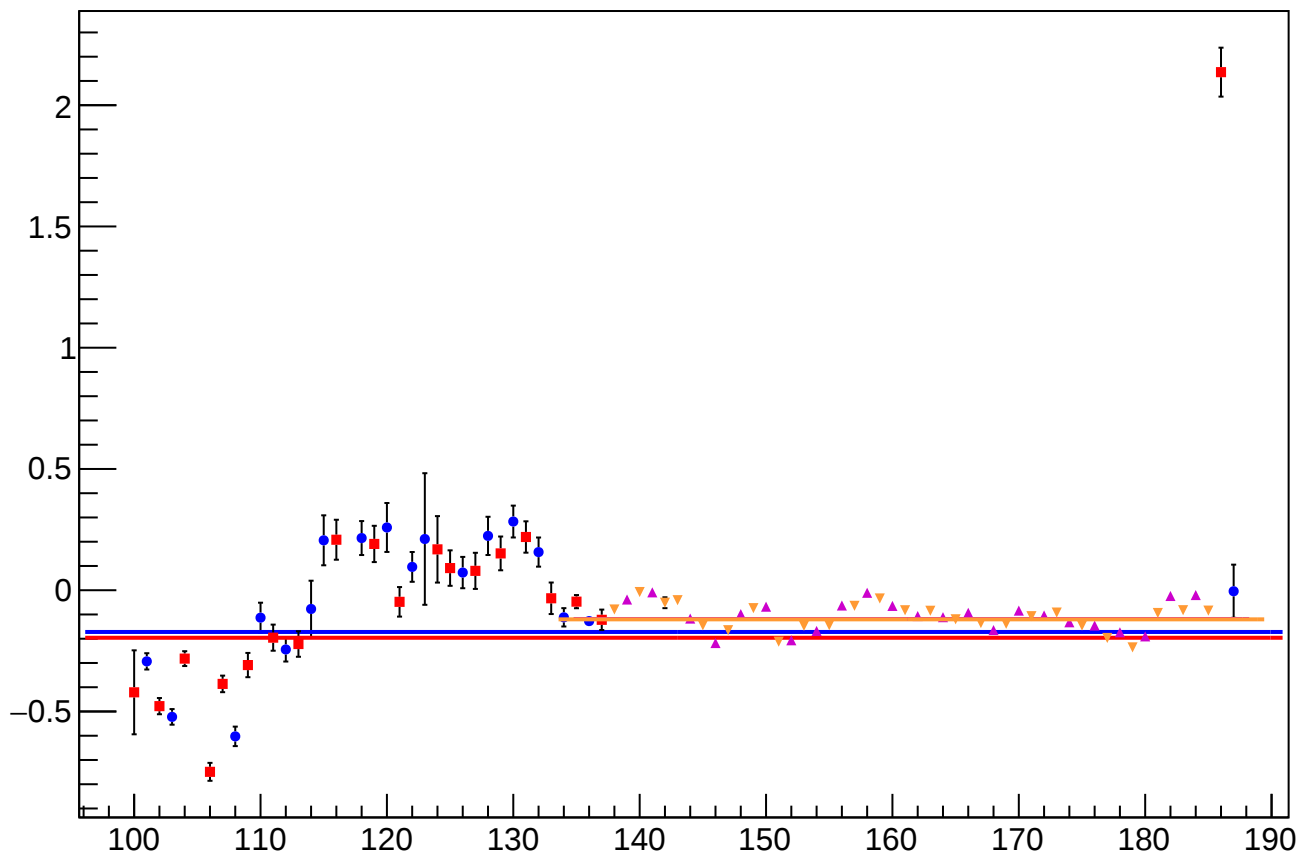
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.173 $\pm$ 0.045 χ^2 /NDF: 2713.4/42

All: 20.199 $\pm$ 0.032 χ^2 /NDF: 4935.8/85

- sign 20.225 $\pm$ 0.045 χ^2 /NDF: 2221.8/42

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.172 ± 0.011 χ^2/NDF : 460.6/17

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.196 ± 0.011 χ^2/NDF : 1073.0/19

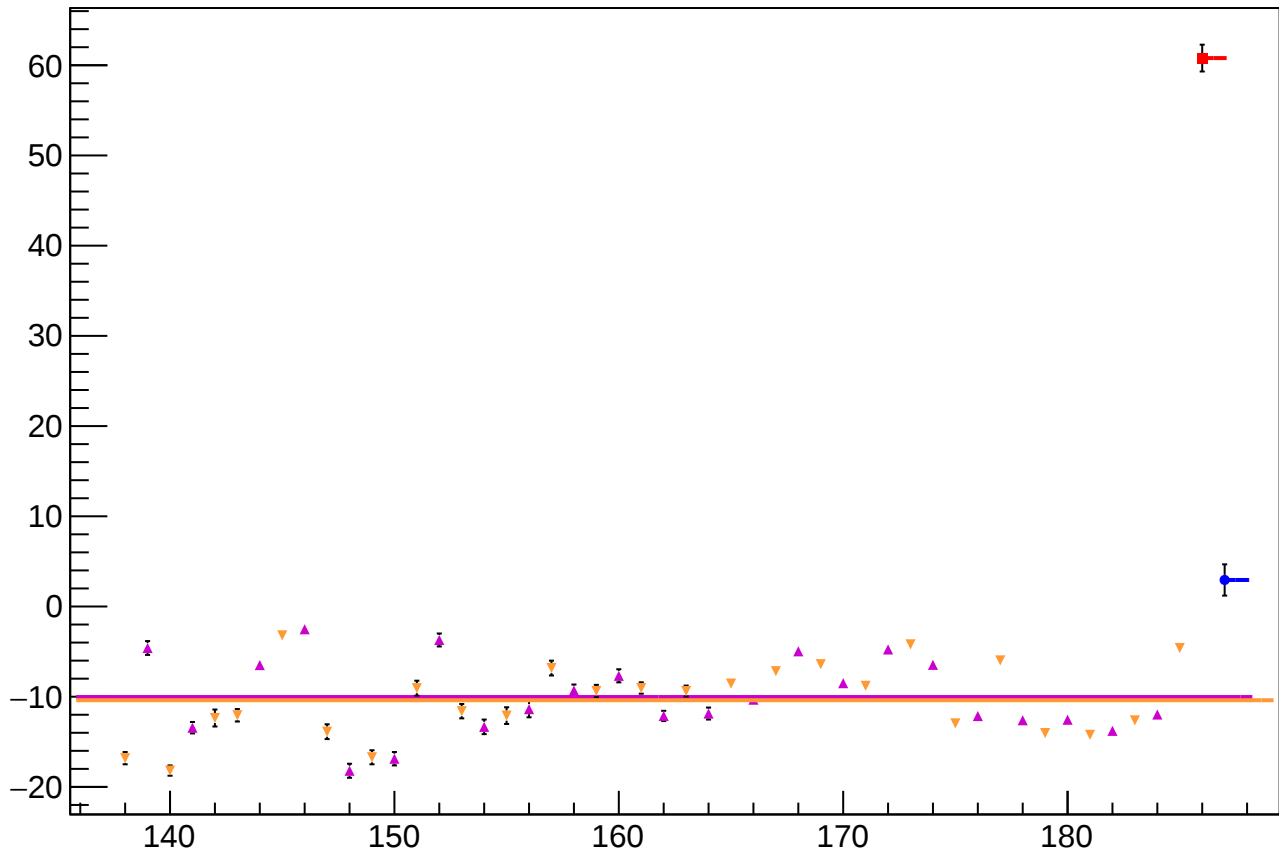
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.122 ± 0.002 χ^2/NDF : 1012.0/42

All: -0.122 ± 0.001 χ^2/NDF : 2855.3/85

- sign -0.121 ± 0.002 χ^2/NDF : 1843.3/42

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 2.941 ± 1.732 χ^2/NDF : 0.0/0

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: 60.793 ± 1.487 χ^2/NDF : 0.0/0

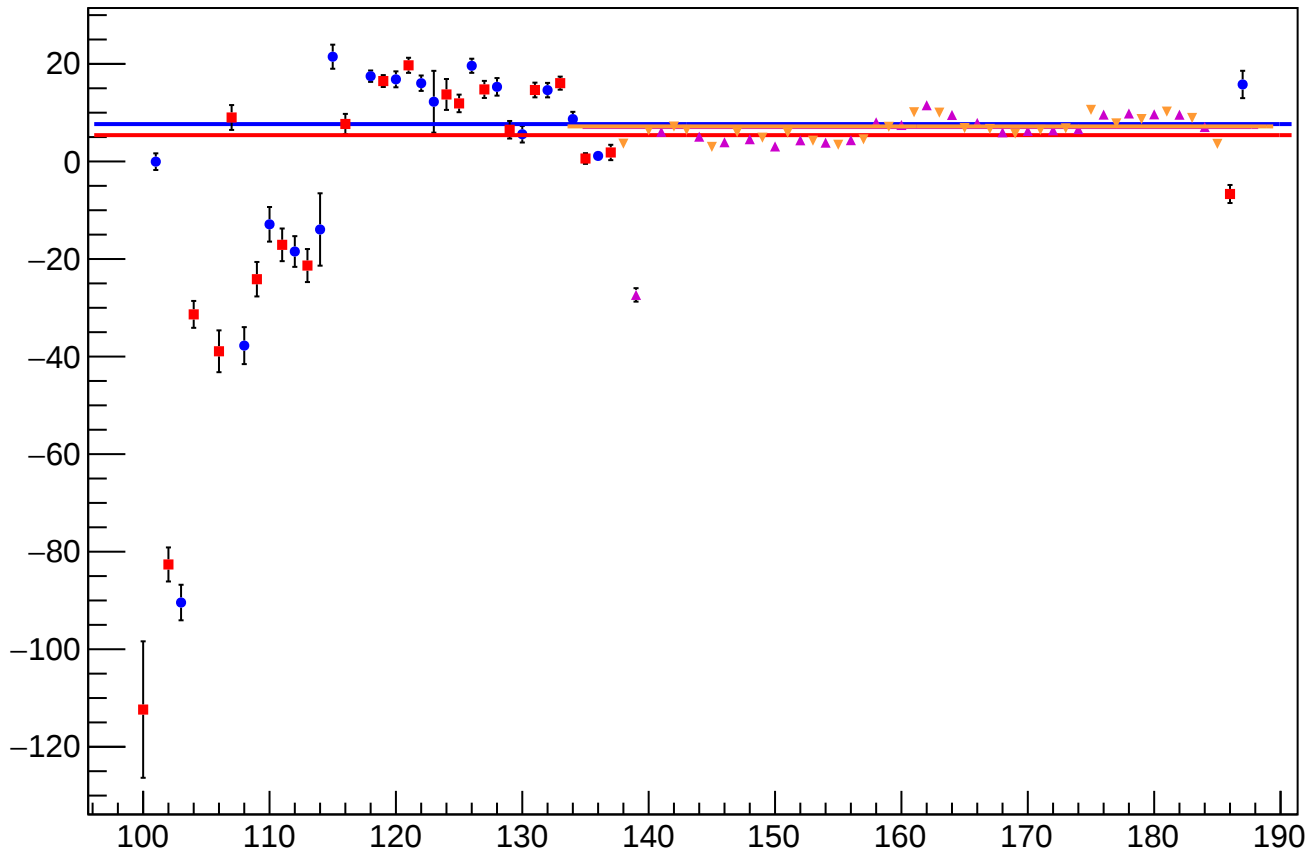
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.357 ± 0.088 χ^2/NDF : 2170.7/25

All: -10.074 ± 0.063 χ^2/NDF : 6212.5/49

- sign -9.780 ± 0.089 χ^2/NDF : 4020.6/23

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.660 ± 0.403 χ^2/NDF : 1349.1/17

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 5.394 ± 0.423 χ^2/NDF : 1556.8/19

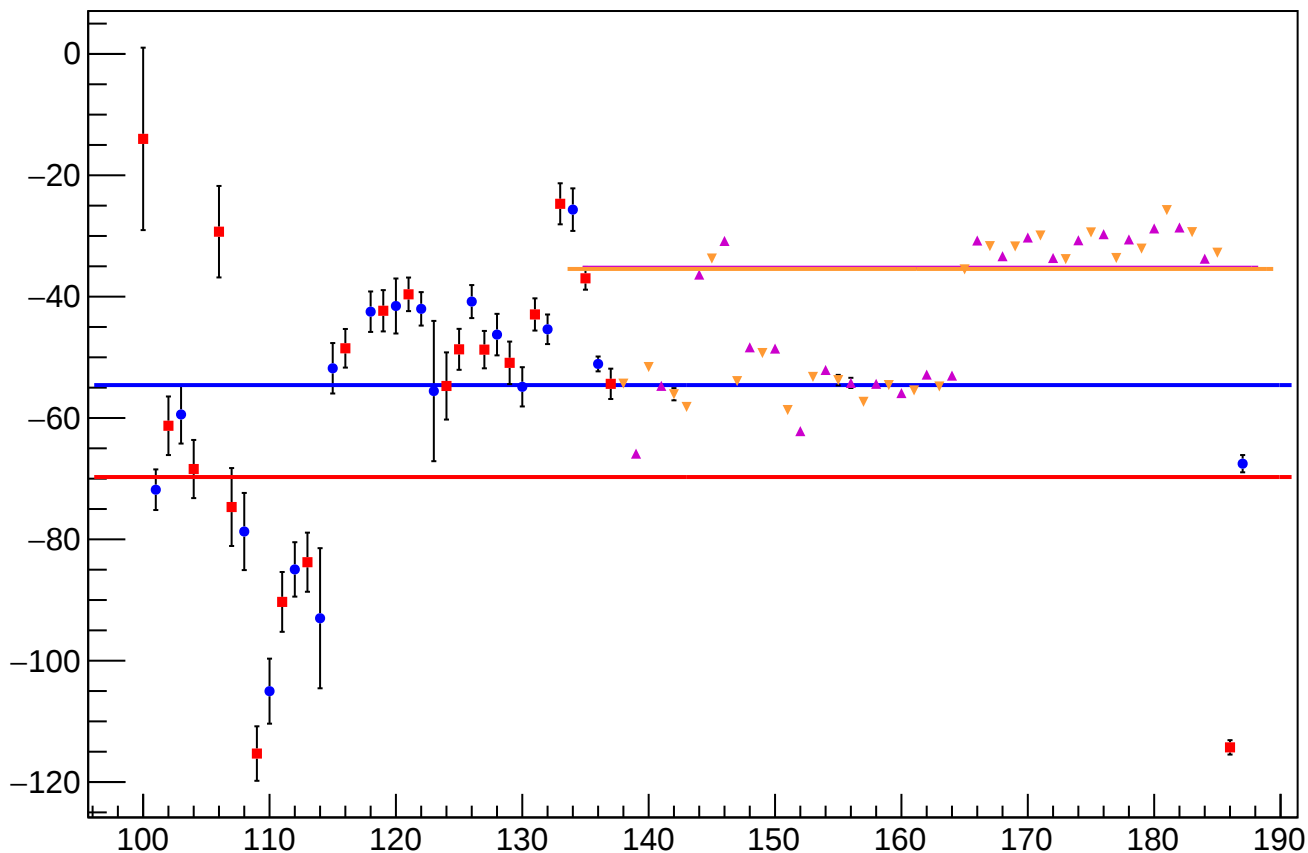
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.199 ± 0.072 χ^2/NDF : 2267.8/42

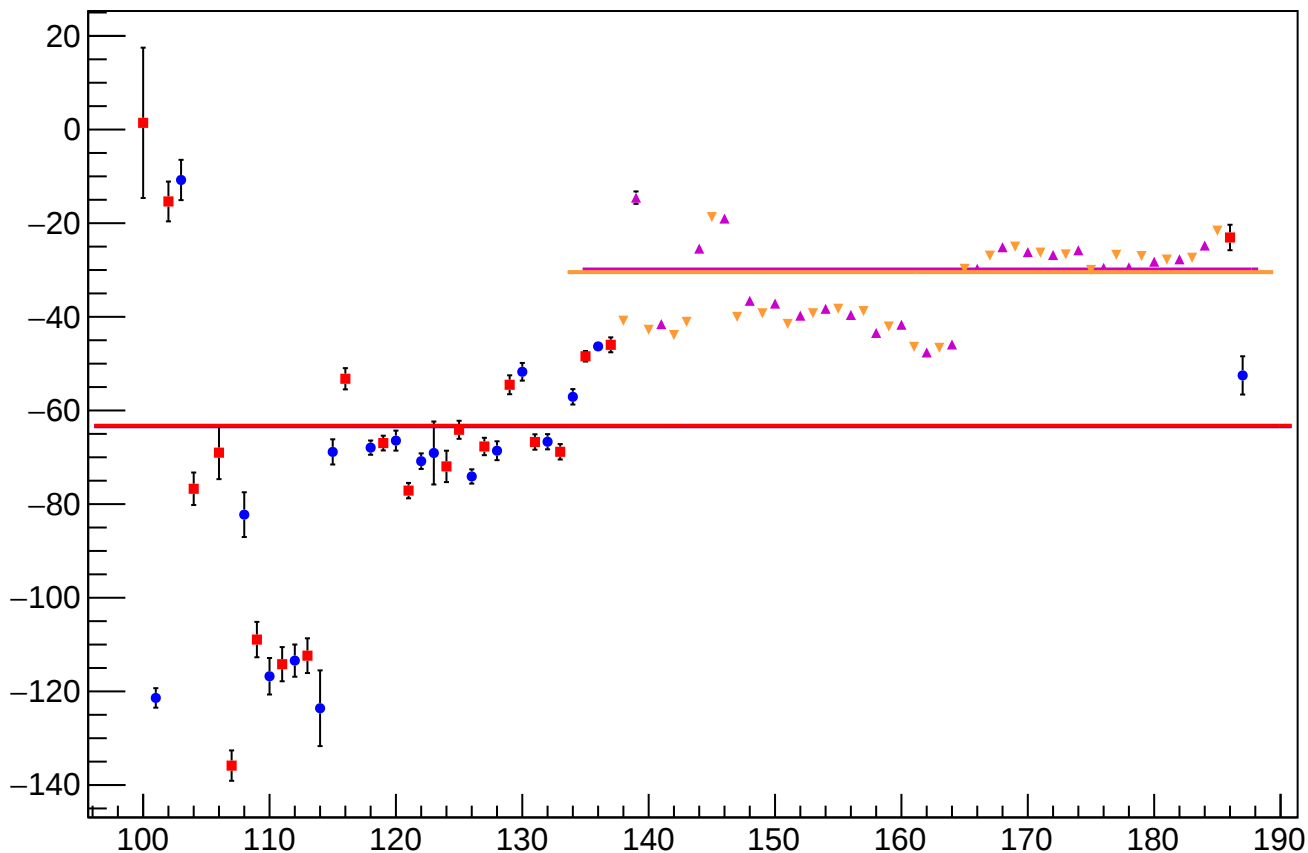
All: 7.102 ± 0.051 χ^2/NDF : 5379.0/85

- sign 7.003 ± 0.073 χ^2/NDF : 3107.5/42

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.370 ± 0.447 χ^2/NDF : 2013.4/17

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -63.259 ± 0.476 χ^2/NDF : 1830.1/19

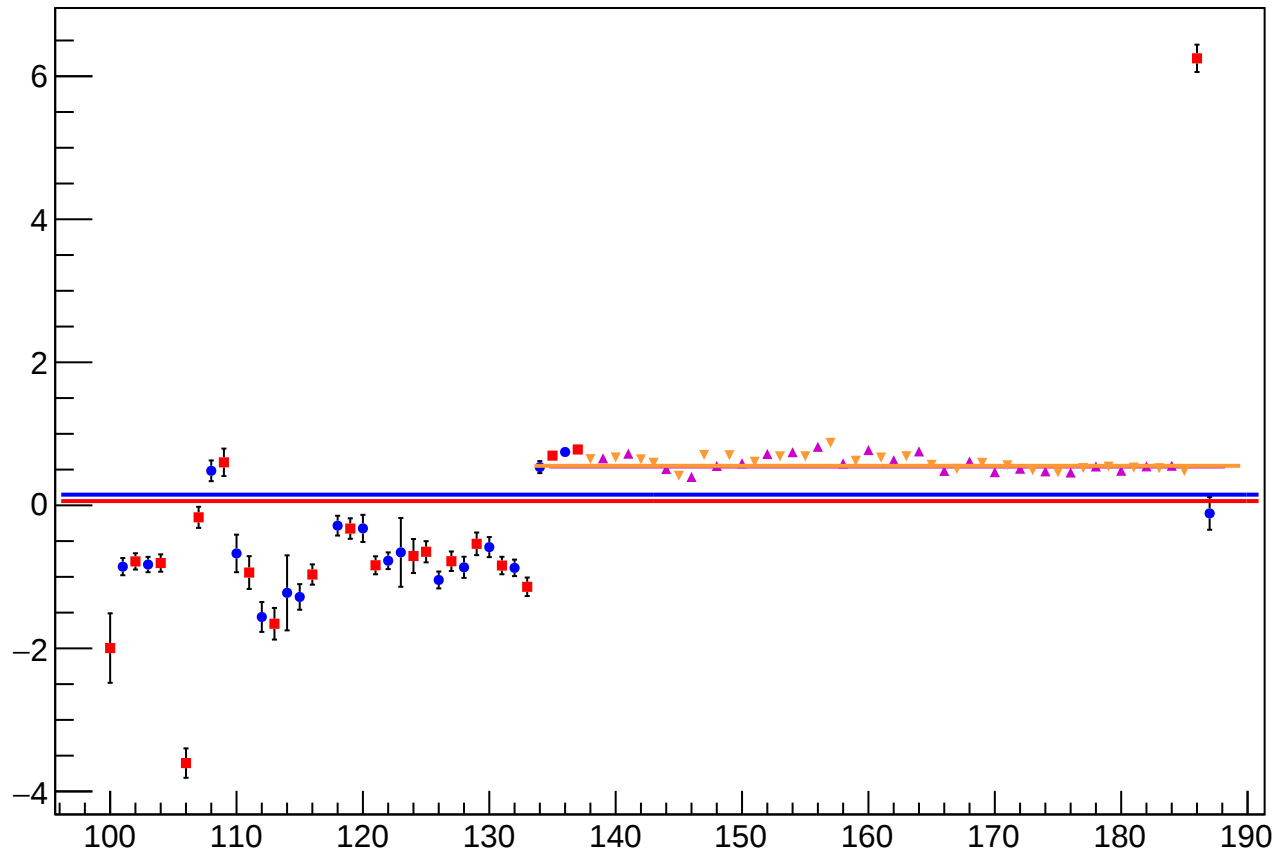
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.510 ± 0.080 χ^2/NDF : 15441.6/42

All: -31.192 ± 0.057 χ^2/NDF : 29181.9/85

- sign -30.866 ± 0.081 χ^2/NDF : 13708.5/42

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.149 ± 0.024 χ^2/NDF : 988.7/17

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.060 ± 0.026 χ^2/NDF : 2228.9/19

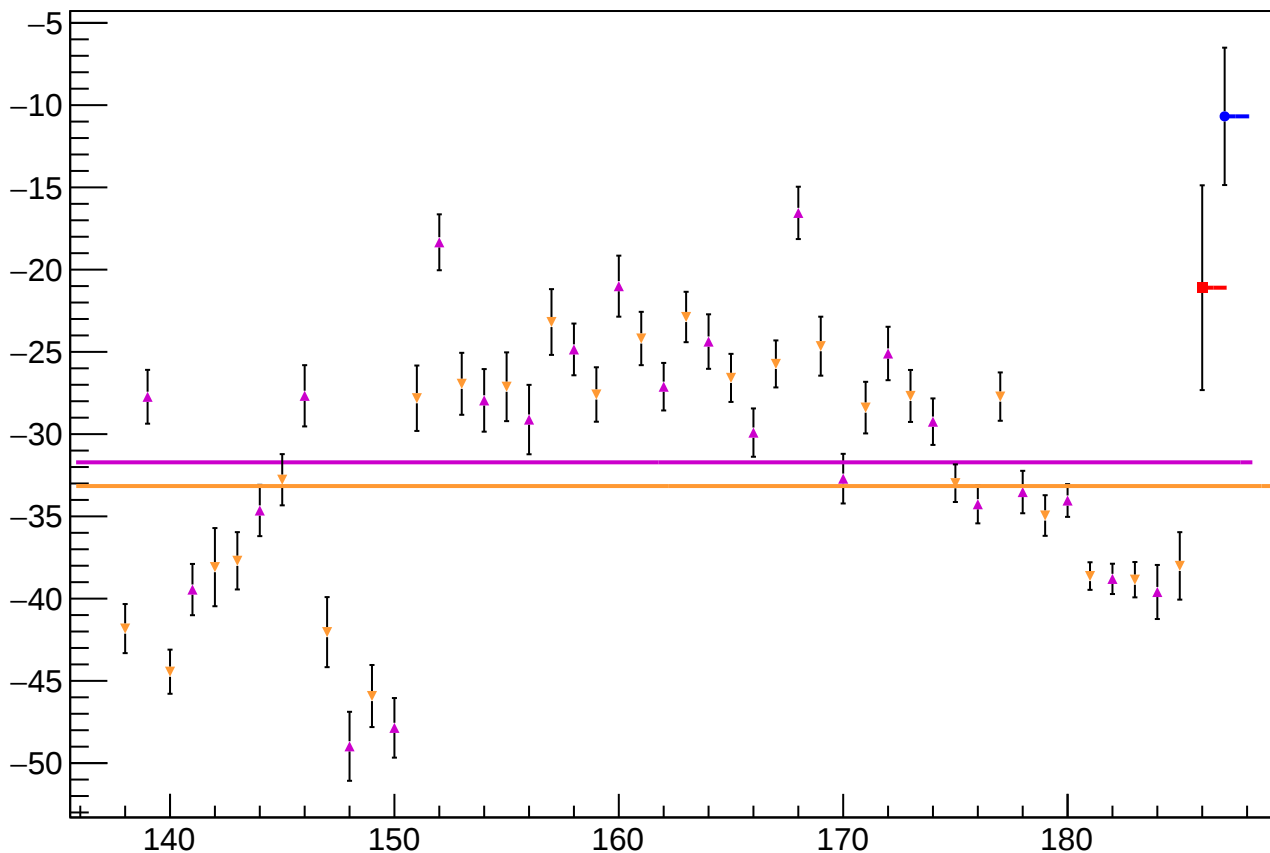
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.543 ± 0.004 χ^2/NDF : 1808.5/42

All: 0.539 ± 0.003 χ^2/NDF : 5034.2/85

- sign 0.534 ± 0.004 χ^2/NDF : 3222.3/42

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -10.682 ± 4.176 χ^2/NDF : 0.0/0

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -21.098 ± 6.224 χ^2/NDF : 0.0/0

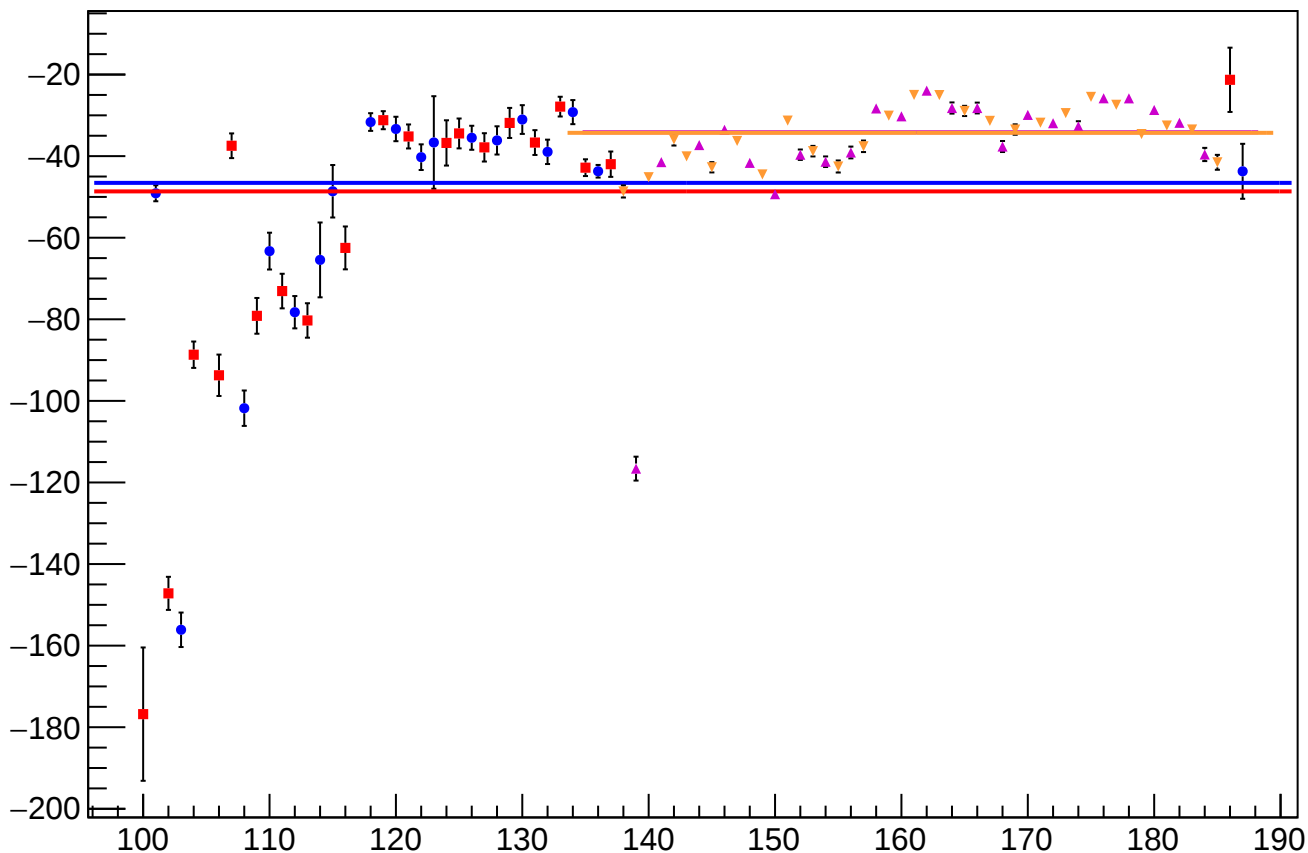
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -33.041 ± 0.299 χ^2/NDF : 528.9/25

All: -32.385 ± 0.215 χ^2/NDF : 1084.0/49

- sign -31.688 ± 0.309 χ^2/NDF : 545.2/23

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.554 ± 0.726 χ^2/NDF : 1076.2/17

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -48.646 ± 0.761 χ^2/NDF : 1289.8/19

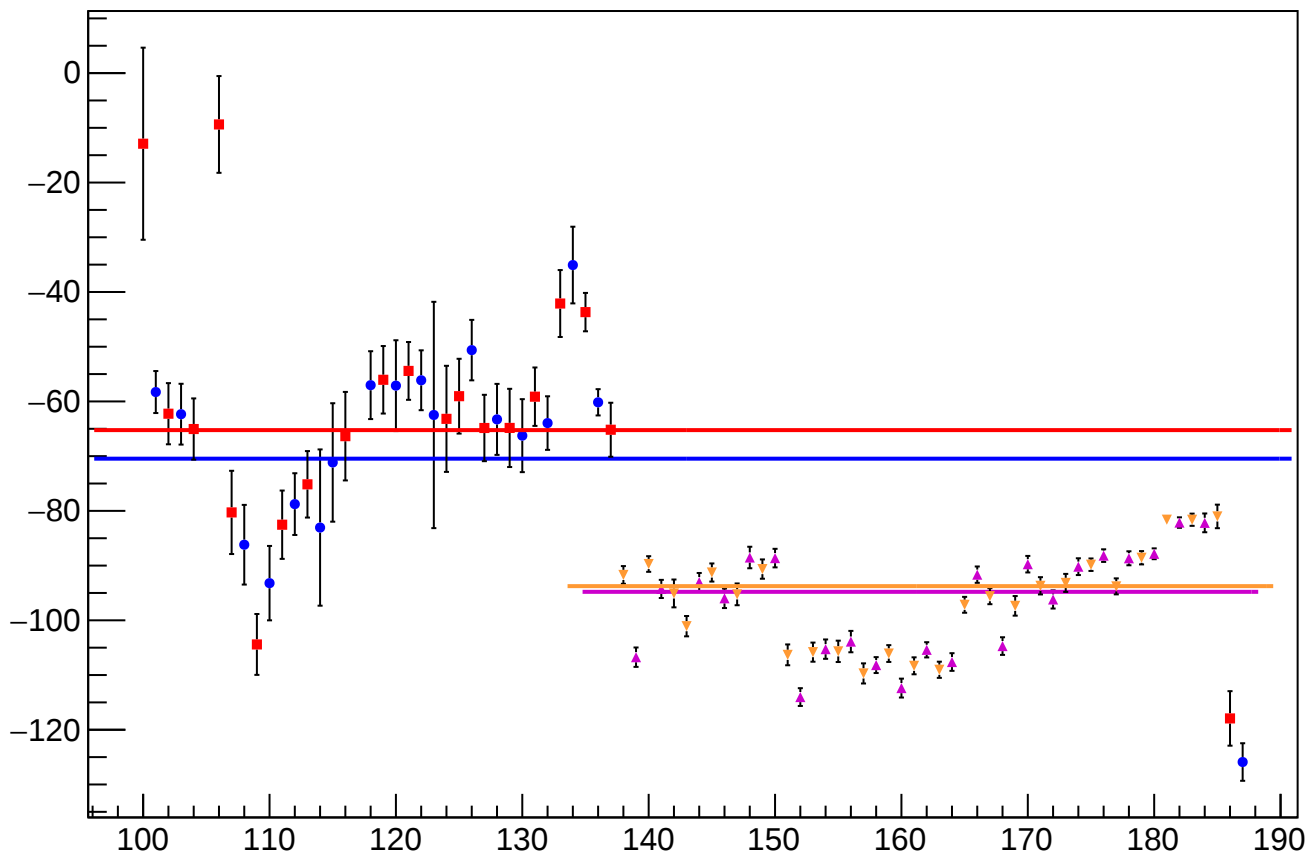
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -35.508 ± 0.229 χ^2/NDF : 2028.4/42

All: -35.536 ± 0.165 χ^2/NDF : 5098.5/85

- sign -35.566 ± 0.238 χ^2/NDF : 3070.0/42

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -70.461 ± 1.230 χ^2/NDF : 366.4/17

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -65.241 ± 1.333 χ^2/NDF : 285.5/19

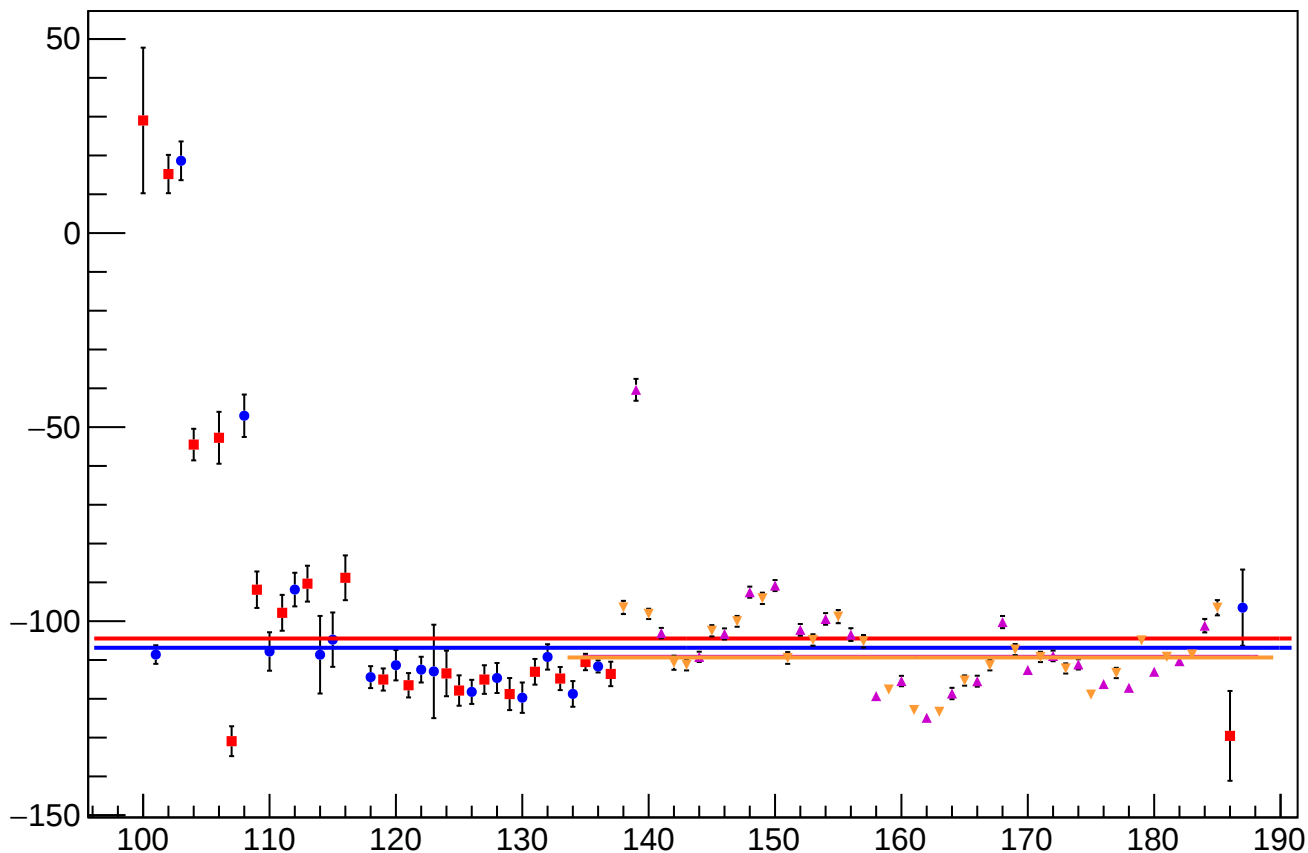
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.431 ± 0.293 χ^2/NDF : 1588.0/42

All: -92.851 ± 0.210 χ^2/NDF : 3319.2/85

- sign -93.293 ± 0.300 χ^2/NDF : 1727.0/42

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.854 ± 0.815 $\chi^2/\text{NDF}: 827.8/17$

Left Out: -109.351 ± 0.271 $\chi^2/\text{NDF}: 826.8/24$

Right Out: -104.464 ± 0.860 $\chi^2/\text{NDF}: 1025.2/19$

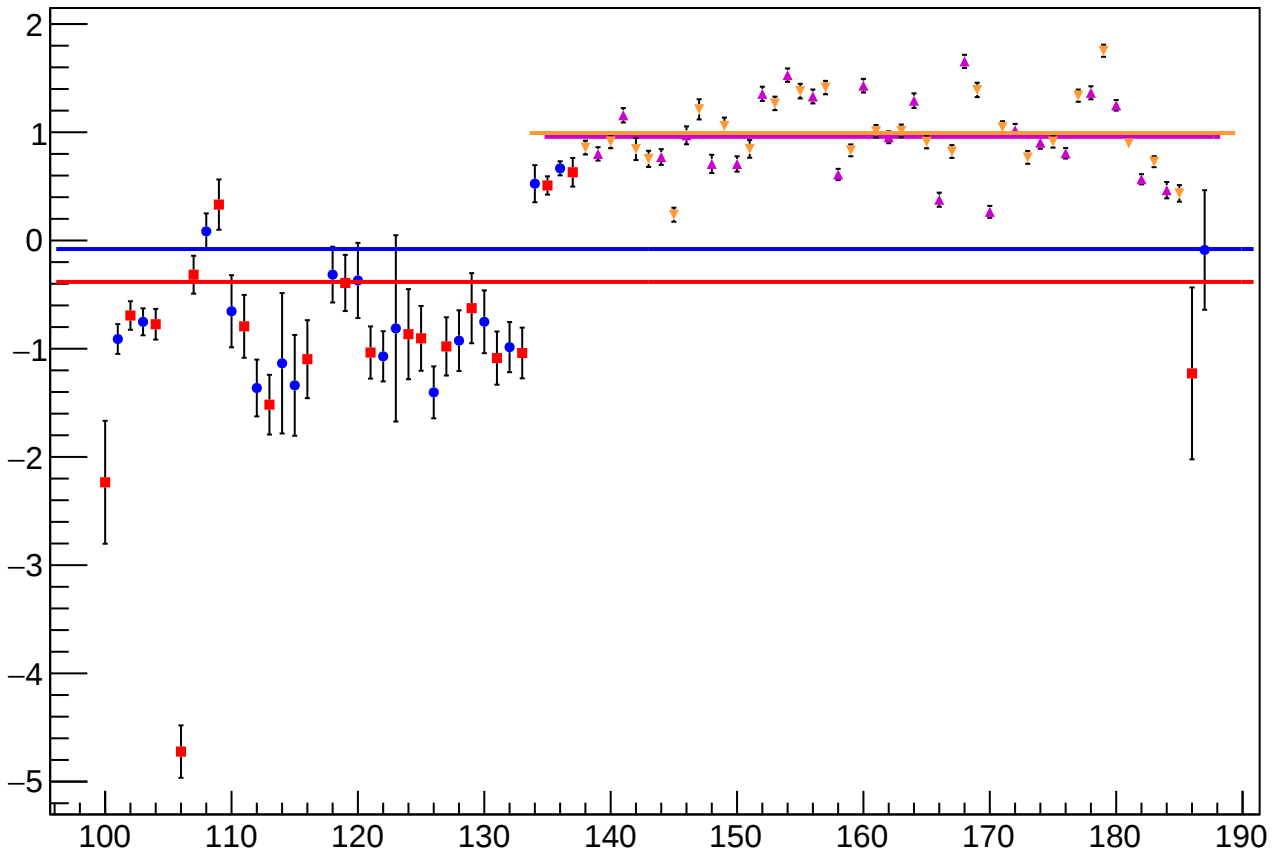
Left In: -109.184 ± 0.280 $\chi^2/\text{NDF}: 1501.1/22$

+ sign -109.103 ± 0.257 $\chi^2/\text{NDF}: 1663.1/42$

All: -108.924 ± 0.185 $\chi^2/\text{NDF}: 4217.7/85$

- sign -108.732 ± 0.266 $\chi^2/\text{NDF}: 2553.6/42$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.6/17

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.383 ± 0.044 χ^2/NDF : 581.3/19

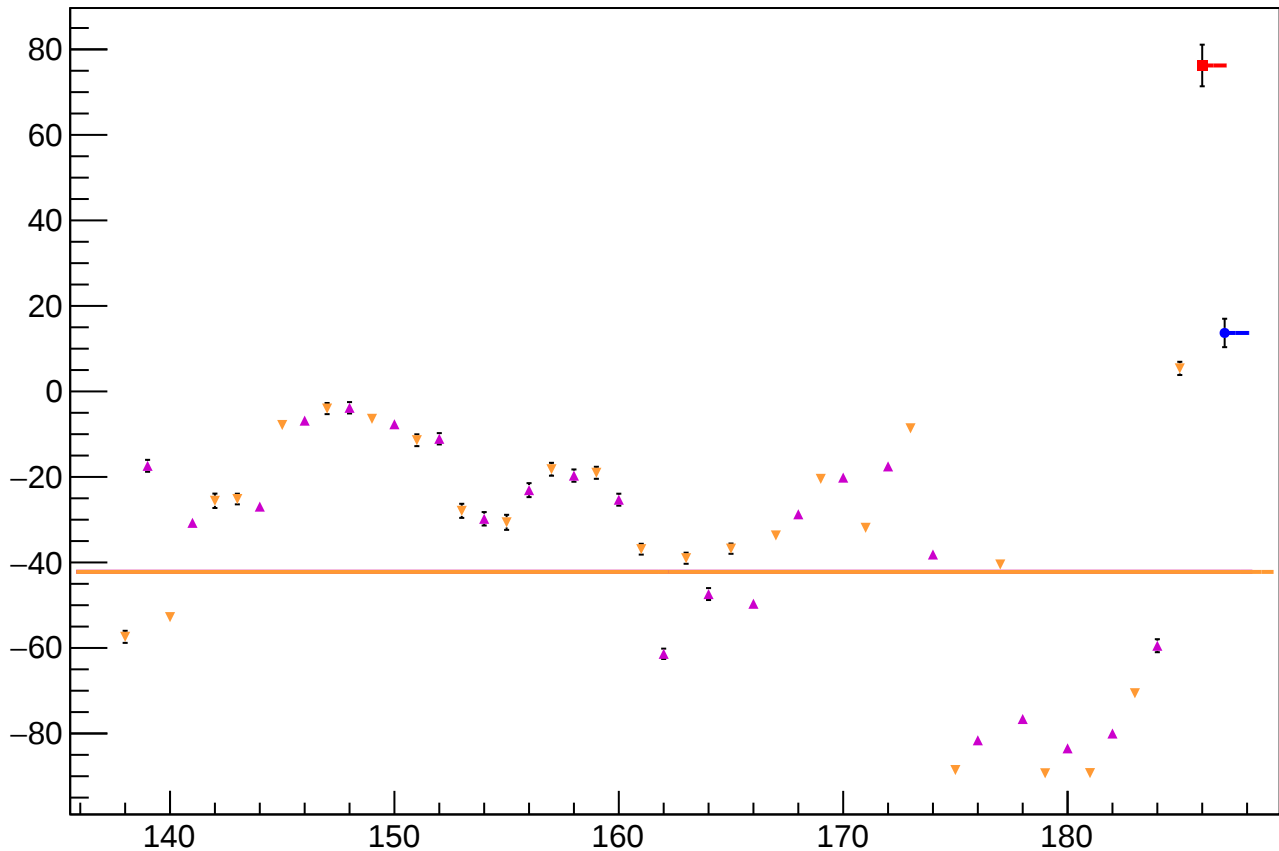
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.908 ± 0.012 χ^2/NDF : 1561.8/42

All: 0.882 ± 0.009 χ^2/NDF : 3905.2/85

- sign 0.855 ± 0.012 χ^2/NDF : 2334.1/42

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: 13.675+/-3.323 χ^2/NDF : 0.0/0

Left Out: -42.213+/-0.222 χ^2/NDF : 18309.1/24

Right Out: 76.234+/-4.867 χ^2/NDF : 0.0/0

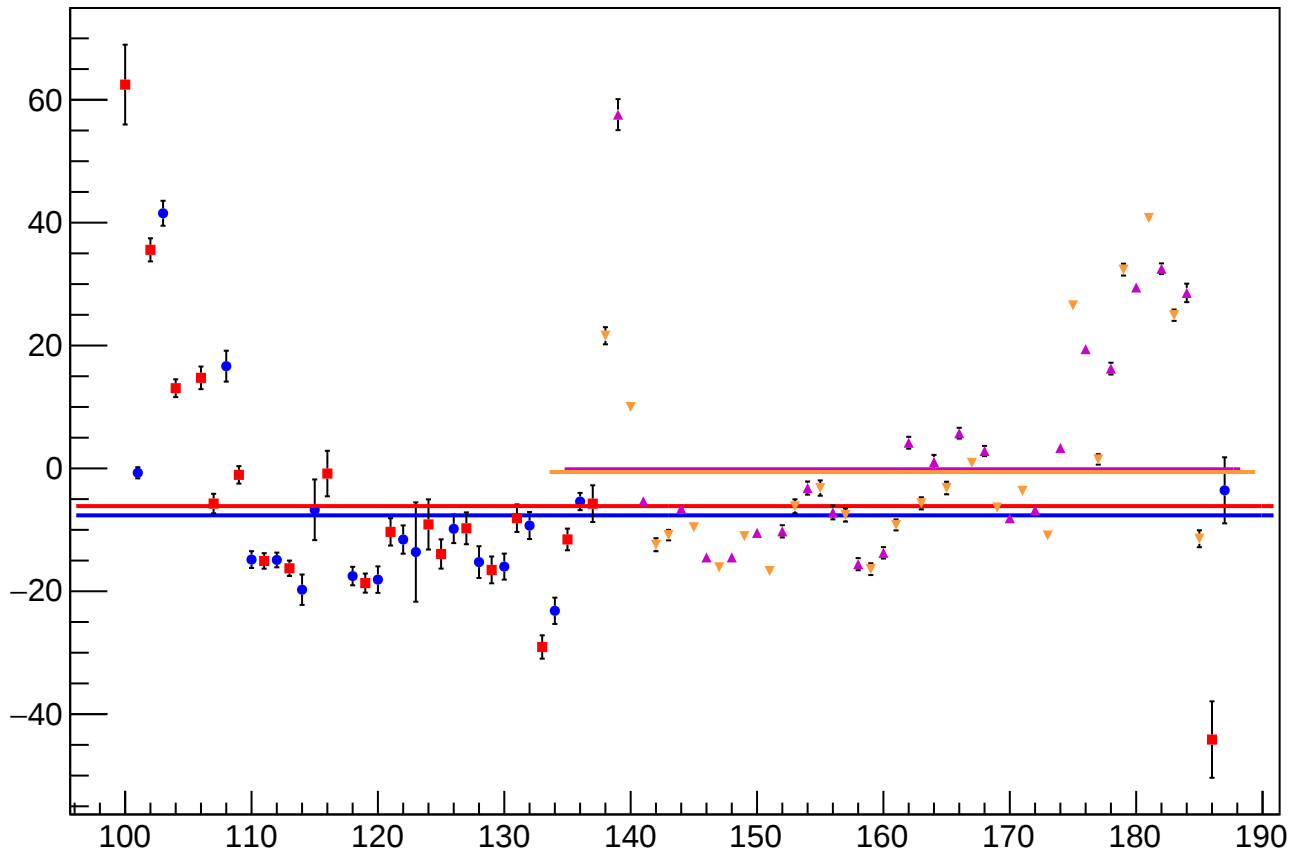
Left In: -42.176+/-0.227 χ^2/NDF : 14575.9/22

+ sign -41.964+/-0.222 χ^2/NDF : 18590.7/25

All: -41.942+/-0.158 χ^2/NDF : 33757.3/49

- sign -41.919+/-0.227 χ^2/NDF : 15166.6/23

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.642 ± 0.429 χ^2/NDF : 976.5/17

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: -6.135 ± 0.428 χ^2/NDF : 1335.9/19

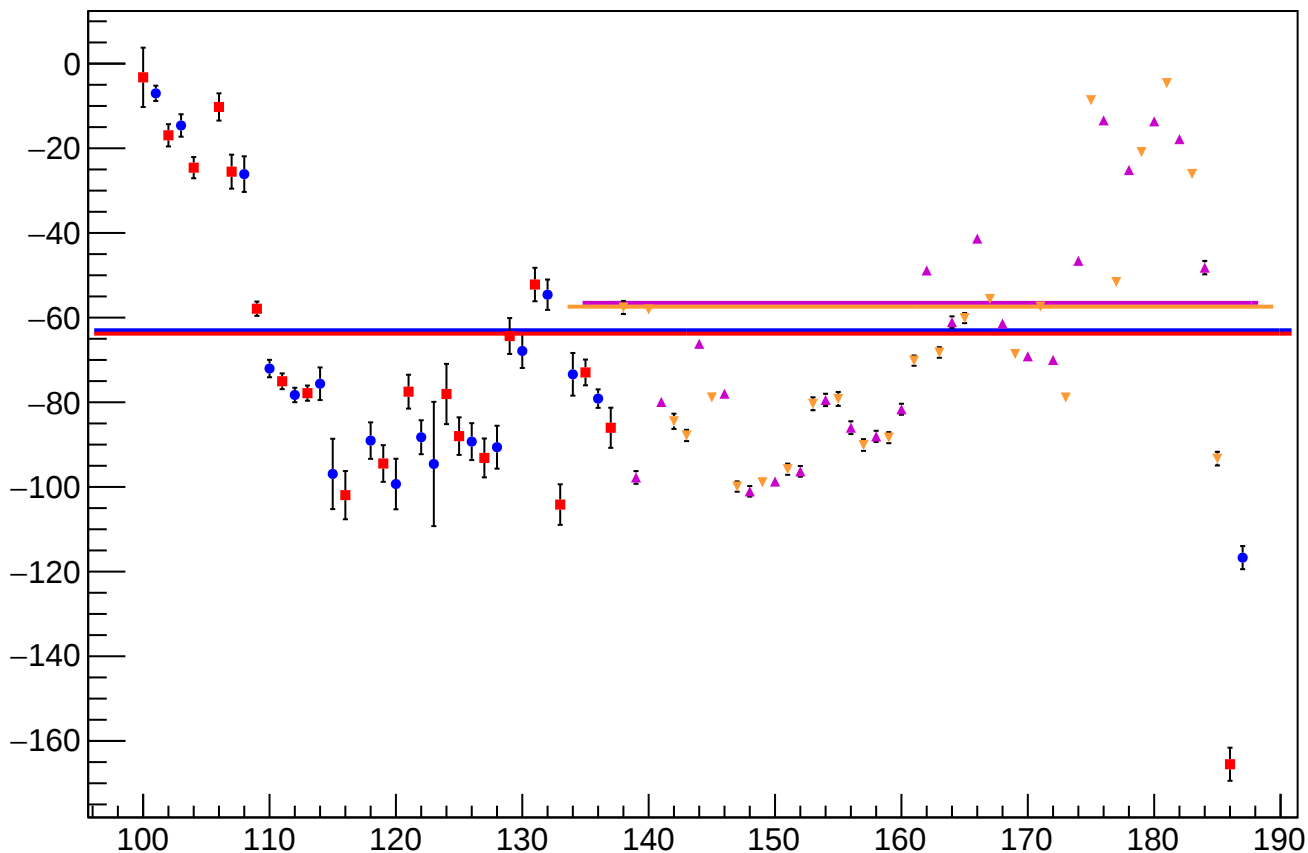
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -1.587 ± 0.161 χ^2/NDF : 9959.0/42

All: -1.317 ± 0.115 χ^2/NDF : 18329.8/85

- sign -1.034 ± 0.165 χ^2/NDF : 8365.0/42

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -62.992 ± 0.721 χ^2/NDF : 2123.0/17

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -63.788 ± 0.694 χ^2/NDF : 2083.2/19

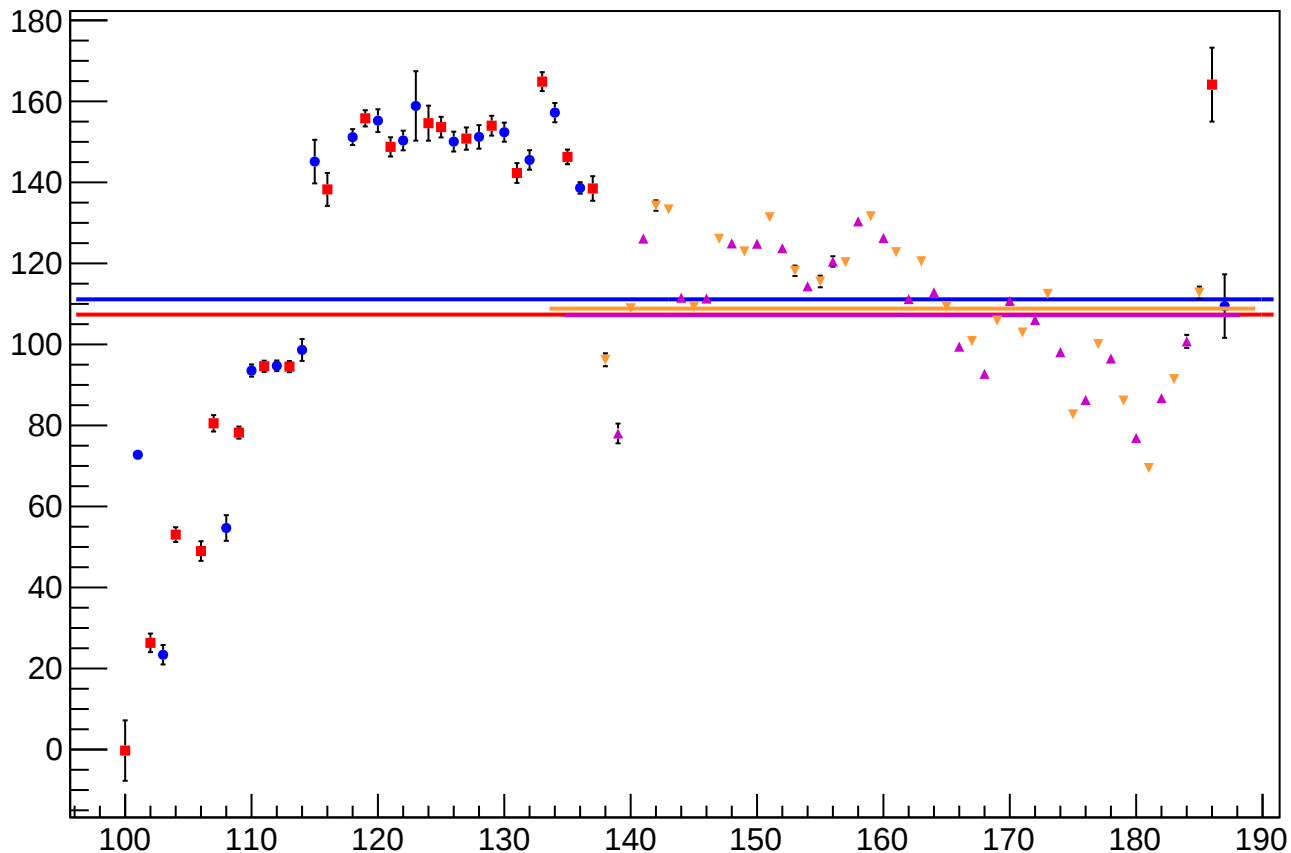
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -57.902 ± 0.213 χ^2/NDF : 20781.7/42

All: -57.566 ± 0.152 χ^2/NDF : 39321.6/85

- sign -57.222 ± 0.216 χ^2/NDF : 18534.9/42

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.133 $\pm$ 0.489 χ^2 /NDF: 5863.6/17

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 107.364 $\pm$ 0.488 χ^2 /NDF: 7081.7/19

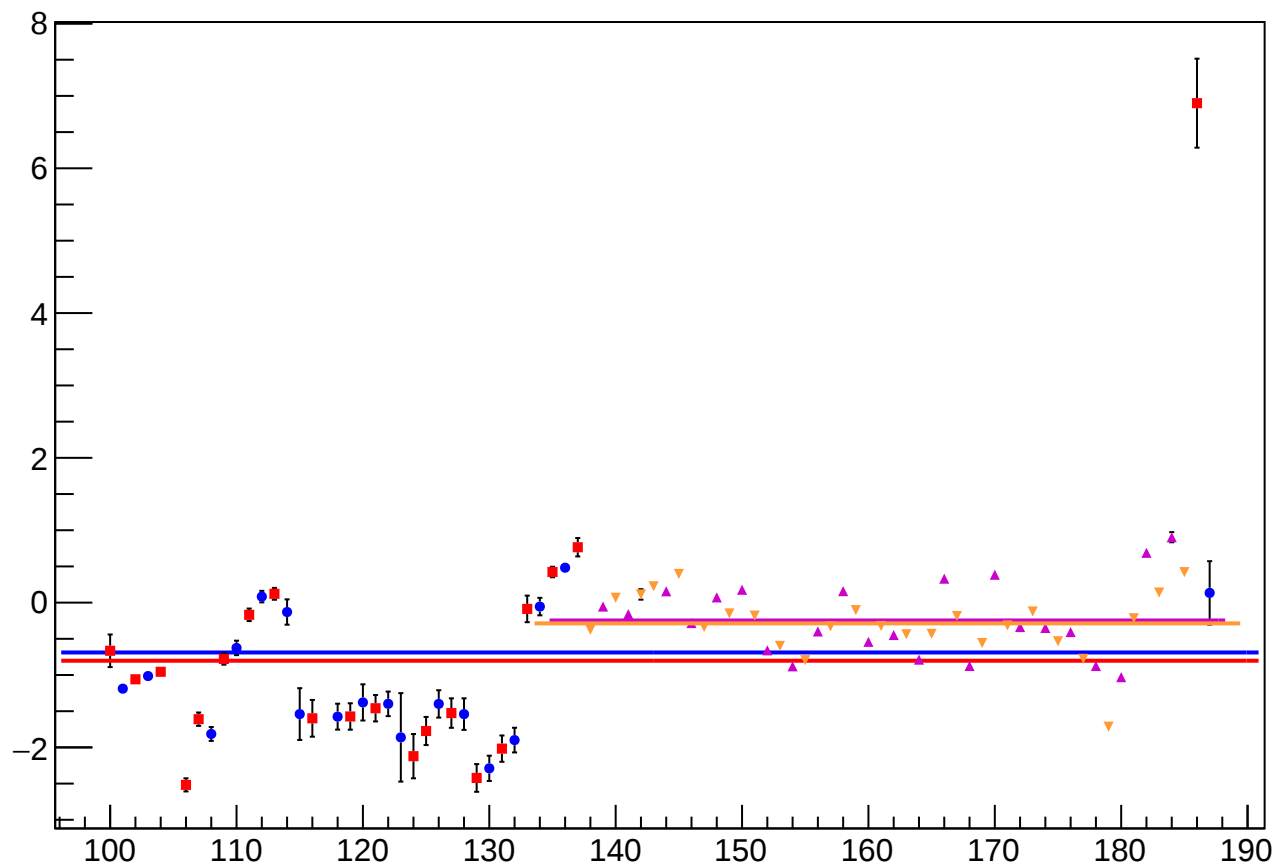
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 109.166 $\pm$ 0.183 χ^2 /NDF: 13282.7/42

All: 108.226 $\pm$ 0.131 χ^2 /NDF: 25983.7/85

- sign 107.245 $\pm$ 0.187 χ^2 /NDF: 12647.1/42

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.689 ± 0.026 χ^2/NDF : 992.4/17

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.803 ± 0.024 χ^2/NDF : 1459.8/19

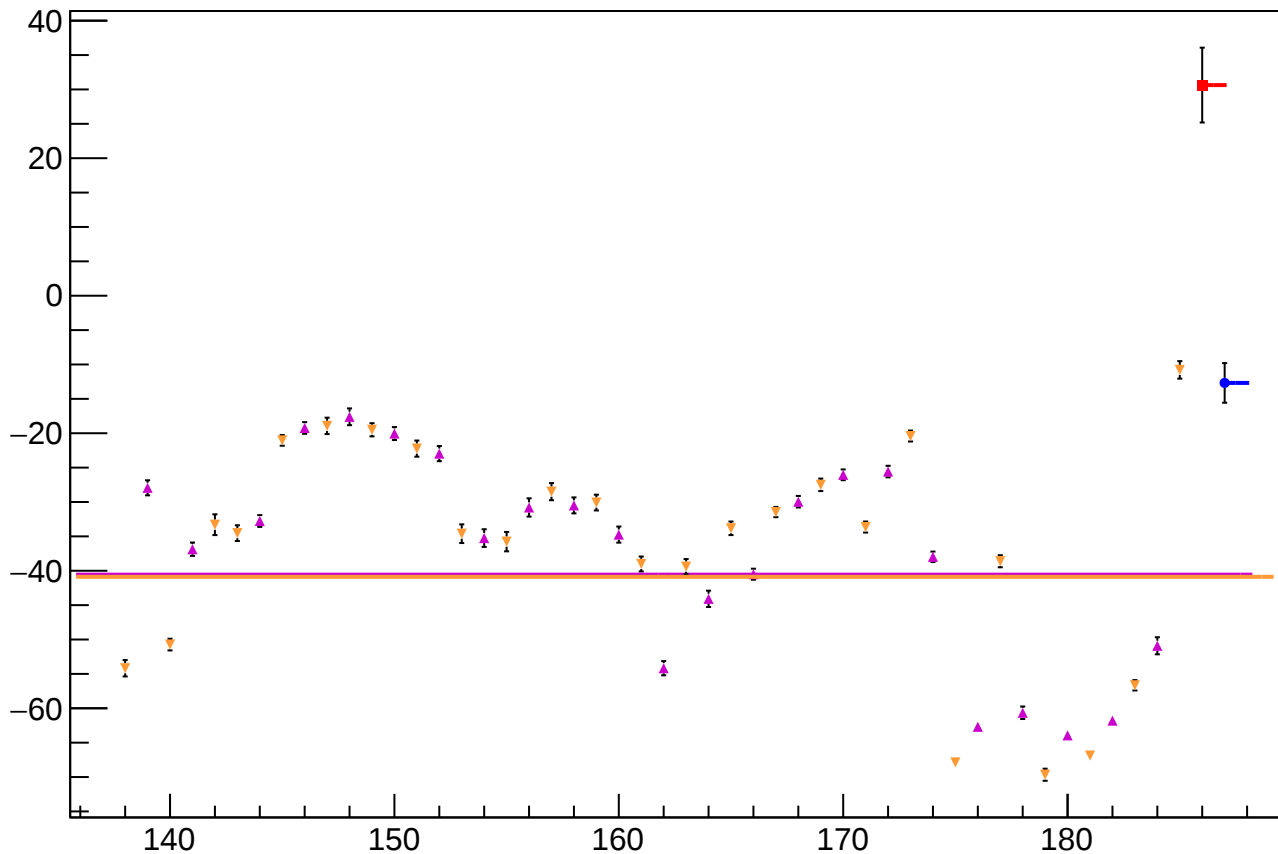
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.331 ± 0.009 χ^2/NDF : 3261.0/42

All: -0.324 ± 0.006 χ^2/NDF : 7970.3/85

- sign -0.317 ± 0.009 χ^2/NDF : 4708.0/42

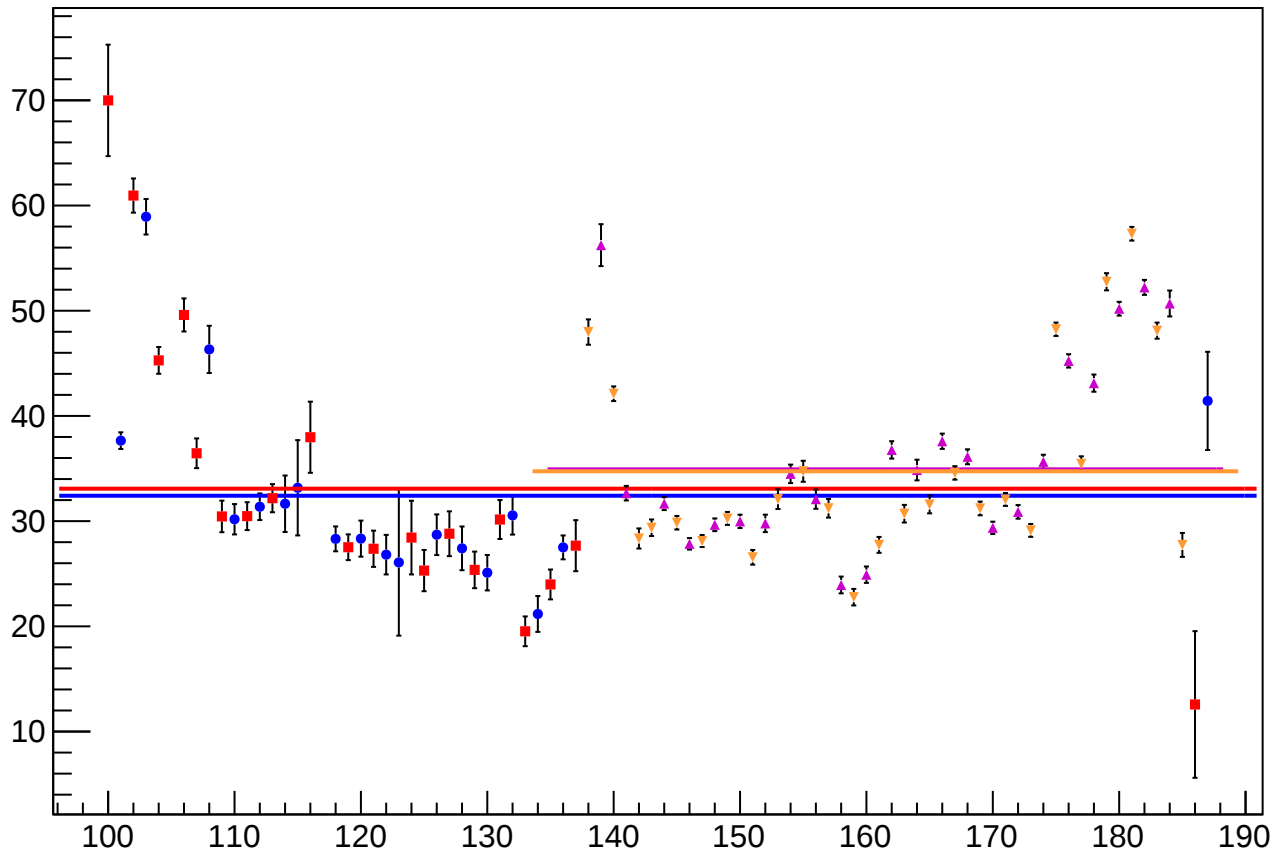
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -12.681 ± 2.883 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -40.880 ± 0.186 $\chi^2/\text{NDF}: 9123.2/24$
 Right Out: 30.633 ± 5.441 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -40.567 ± 0.190 $\chi^2/\text{NDF}: 6954.7/22$

+ sign -40.763 ± 0.186 $\chi^2/\text{NDF}: 9218.5/25$
 All: -40.624 ± 0.133 $\chi^2/\text{NDF}: 16345.4/49$
 - sign -40.480 ± 0.190 $\chi^2/\text{NDF}: 7125.8/23$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.415 $\pm$ 0.375 χ^2 /NDF: 454.3/17

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF:3693.2/24

Right Out: 33.086 $\pm$ 0.379 χ^2 /NDF: 782.0/19

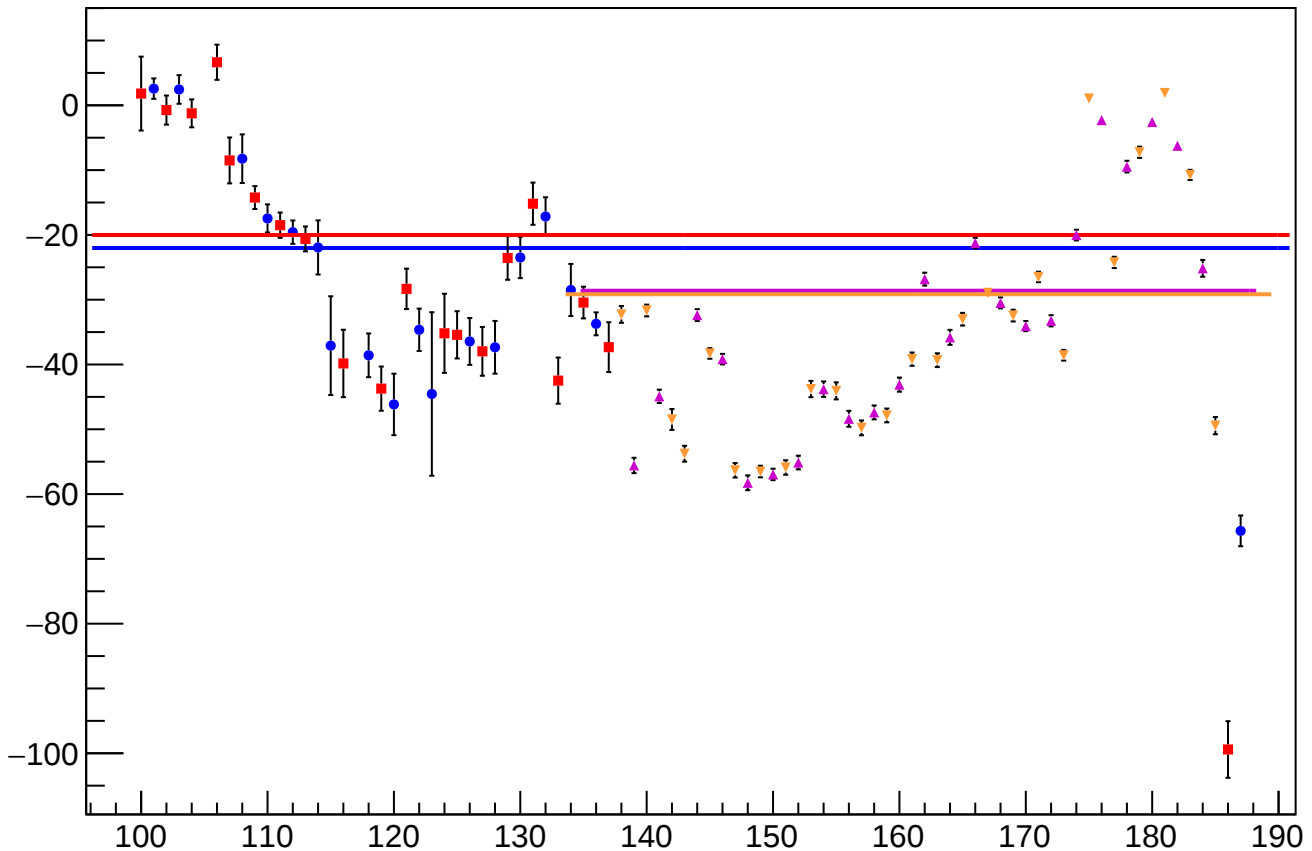
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF:2672.9/22

+ sign 34.429 $\pm$ 0.137 χ^2 /NDF: 4180.8/42

All: 34.546 $\pm$ 0.098 χ^2 /NDF: 7657.4/85

- sign 34.669 $\pm$ 0.141 χ^2 /NDF: 3475.1/42

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -22.021 ± 0.644 χ^2/NDF : 877.1/17

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -20.014 ± 0.638 χ^2/NDF : 810.9/19

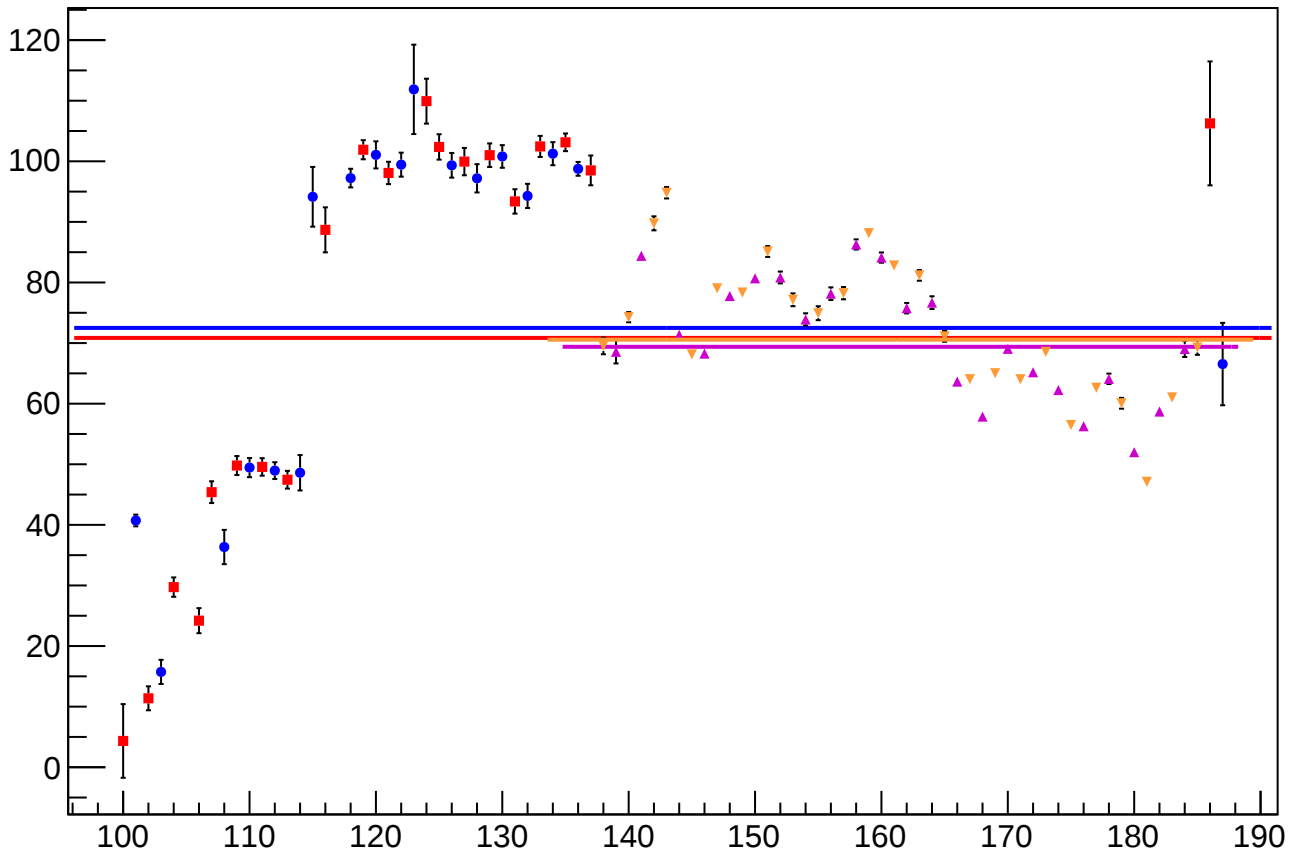
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -28.607 ± 0.180 χ^2/NDF : 11116.8/42

All: -28.266 ± 0.128 χ^2/NDF : 21143.0/85

- sign -27.916 ± 0.182 χ^2/NDF : 10019.0/42

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.505 $\pm$ 0.428 χ^2 /NDF: 4673.0/17

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 70.854 $\pm$ 0.433 χ^2 /NDF: 5506.6/19

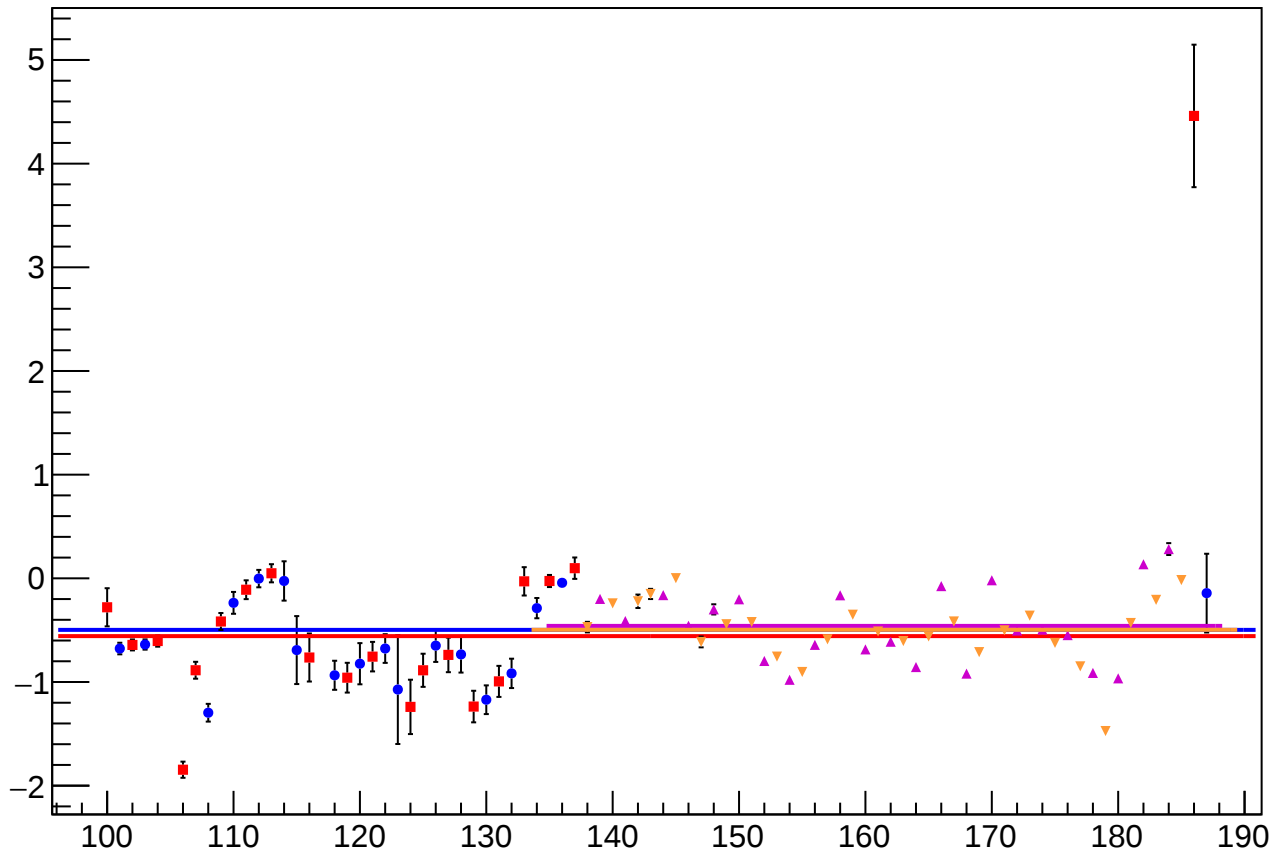
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.817 $\pm$ 0.155 χ^2 /NDF: 9280.0/42

All: 70.214 $\pm$ 0.111 χ^2 /NDF: 18149.3/85

- sign 69.583 $\pm$ 0.158 χ^2 /NDF: 8838.3/42

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.497 ± 0.022 χ^2/NDF : 303.0/17

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.557 ± 0.021 χ^2/NDF : 613.6/19

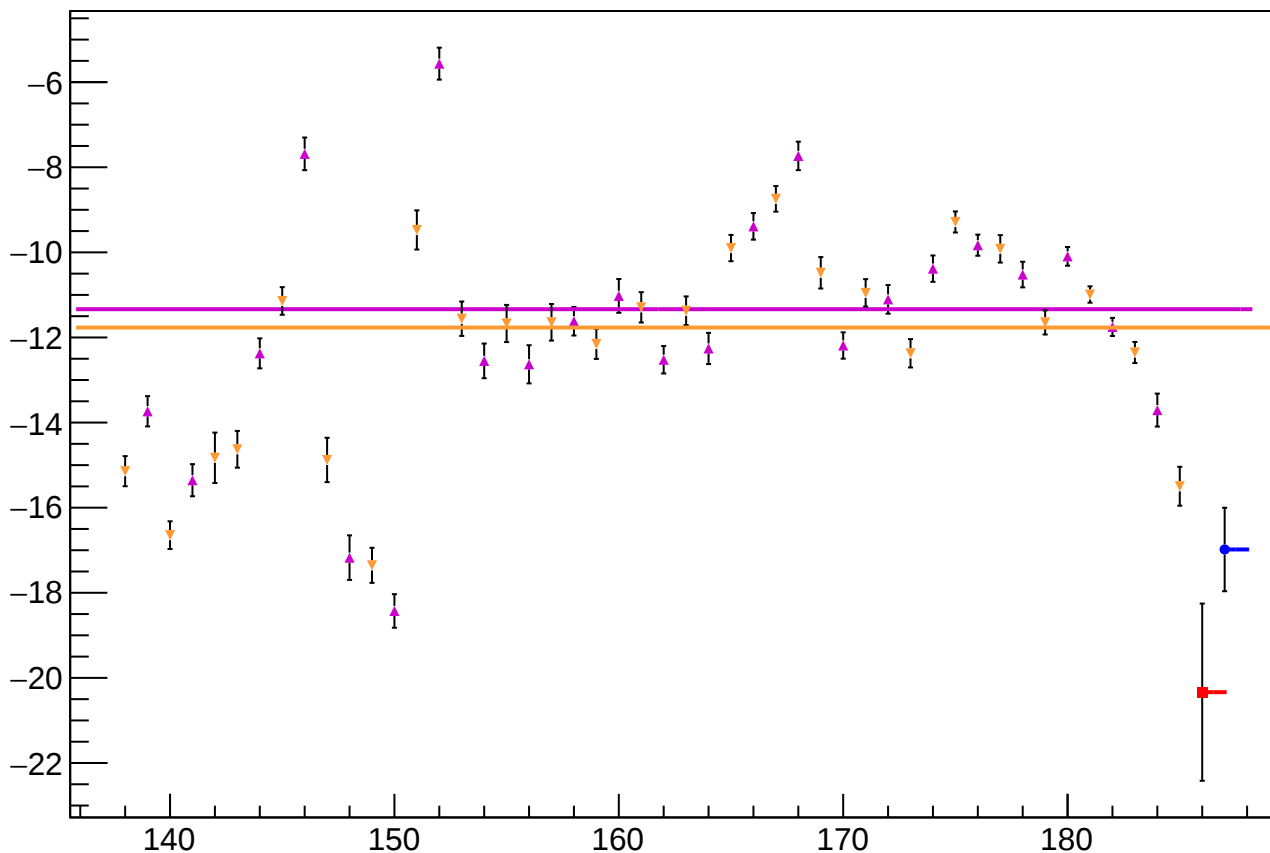
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.497 ± 0.007 χ^2/NDF : 1752.3/42

All: -0.484 ± 0.005 χ^2/NDF : 4349.8/85

- sign -0.470 ± 0.007 χ^2/NDF : 2590.8/42

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.982 ± 0.981 χ^2/NDF : 0.0/0

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -20.336 ± 2.082 χ^2/NDF : 0.0/0

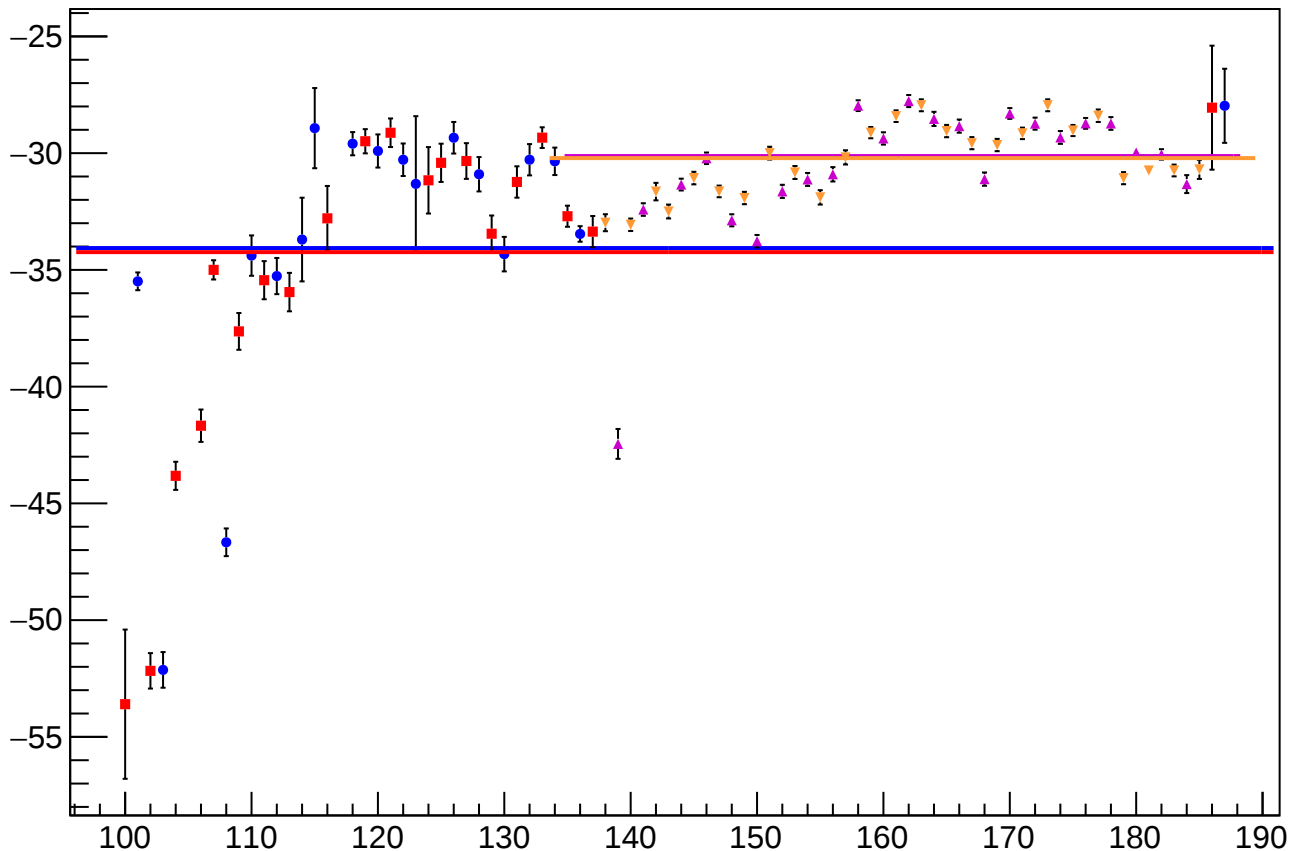
Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -11.791 ± 0.067 χ^2/NDF : 1048.9/25

All: -11.573 ± 0.048 χ^2/NDF : 2358.9/49

- sign -11.345 ± 0.068 χ^2/NDF : 1288.0/23

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.064 ± 0.151 χ^2/NDF : 1339.2/17

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -34.238 ± 0.151 χ^2/NDF : 1361.5/19

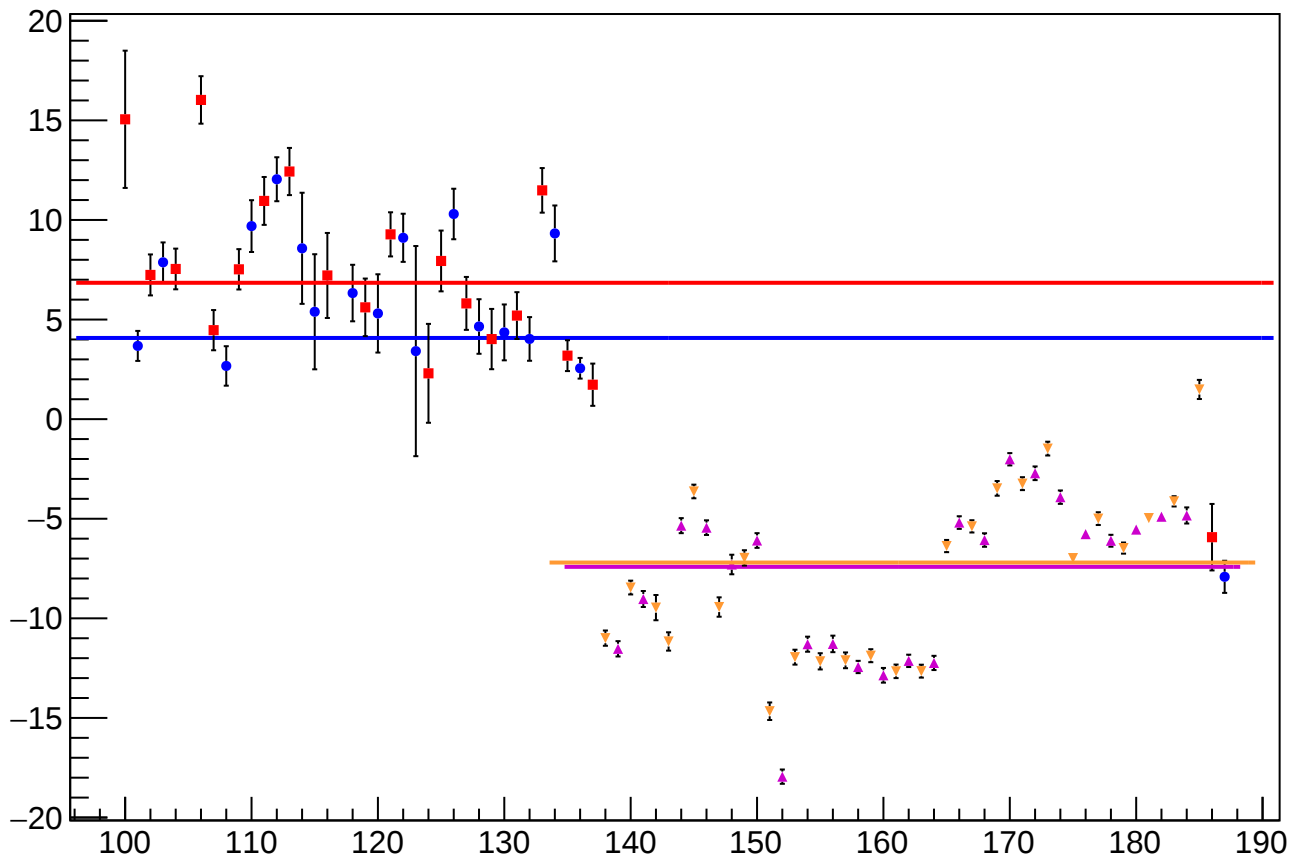
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.645 ± 0.051 χ^2/NDF : 2648.7/42

All: -30.631 ± 0.036 χ^2/NDF : 5892.6/85

- sign -30.615 ± 0.052 χ^2/NDF : 3243.7/42

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 4.076 $\pm$ 0.257 χ^2 /NDF: 378.6/17

Left Out: -7.199 $\pm$ 0.067 χ^2 /NDF:3037.3/24

Right Out: 6.846 $\pm$ 0.271 χ^2 /NDF: 242.4/19

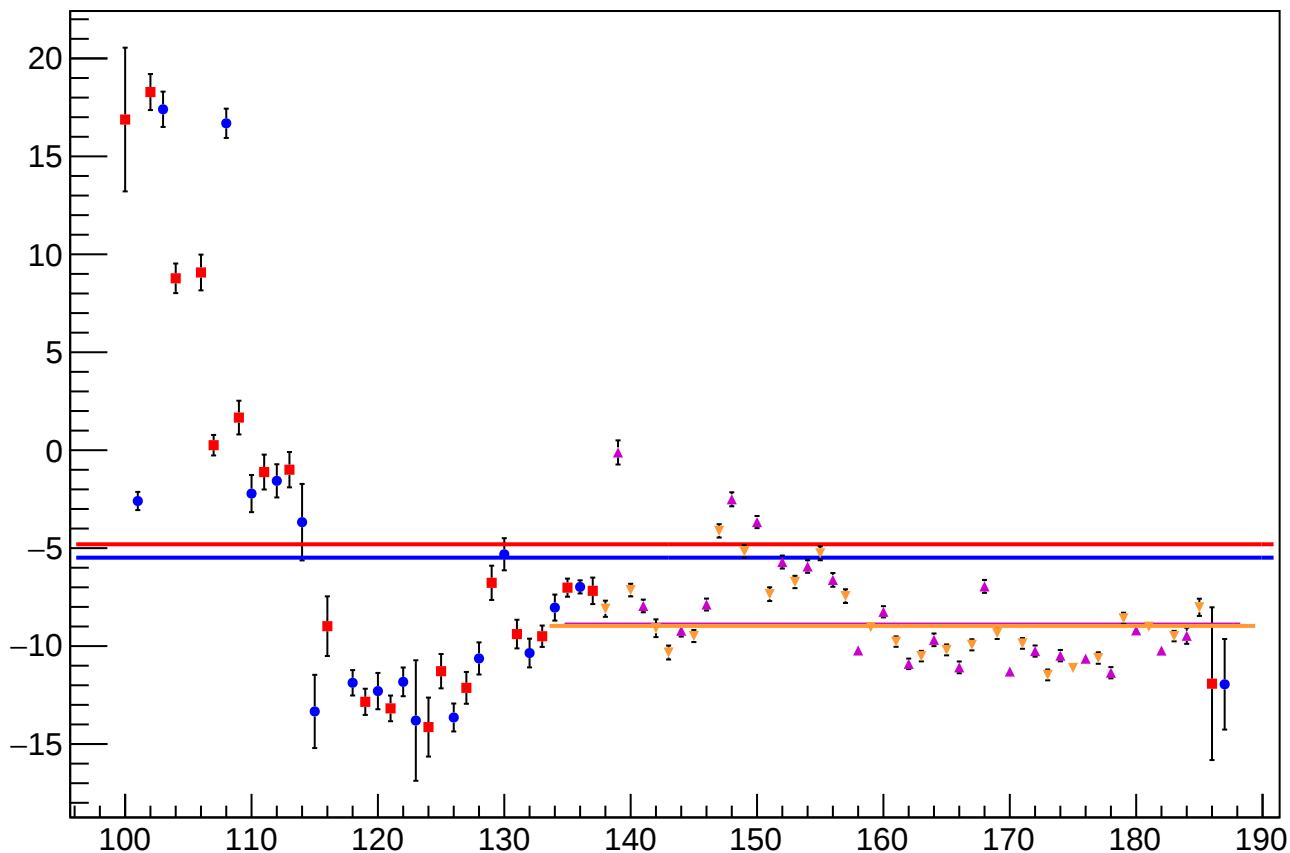
Left In: -7.415 $\pm$ 0.068 χ^2 /NDF:3123.3/22

+ sign -6.482 $\pm$ 0.065 χ^2 /NDF: 5223.3/42

All: -6.527 $\pm$ 0.046 χ^2 /NDF: 11192.6/85

- sign -6.574 $\pm$ 0.066 χ^2 /NDF: 5968.3/42

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.486 ± 0.171 χ^2/NDF : 2104.9/17

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -4.803 ± 0.173 χ^2/NDF : 2050.8/19

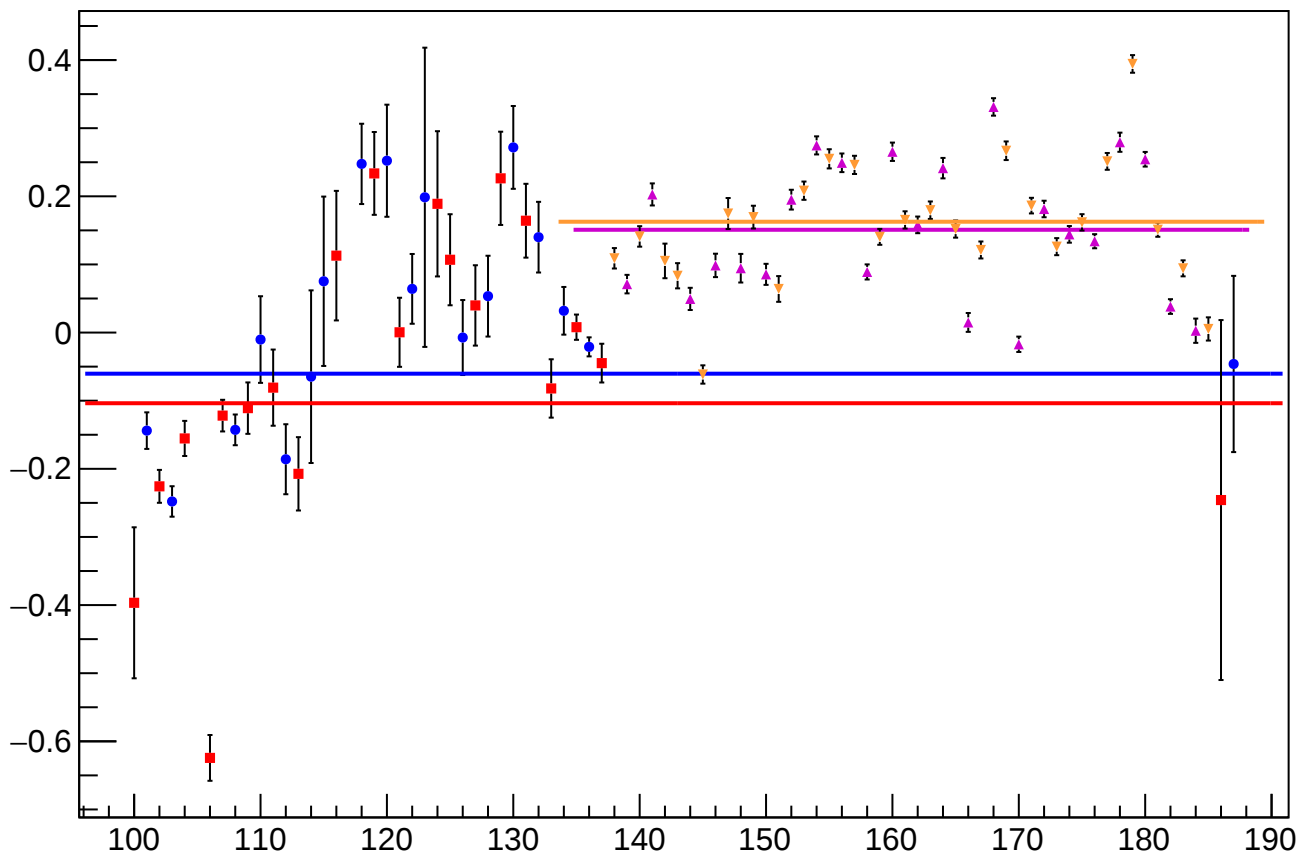
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.584 ± 0.057 χ^2/NDF : 3354.8/42

All: -8.513 ± 0.041 χ^2/NDF : 7440.4/85

- sign -8.439 ± 0.058 χ^2/NDF : 4082.5/42

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060±/0.008 χ^2/NDF : 214.5/17

Left Out: 0.163±/0.003 χ^2/NDF :1018.1/24

Right Out: -0.104±/0.008 χ^2/NDF : 433.4/19

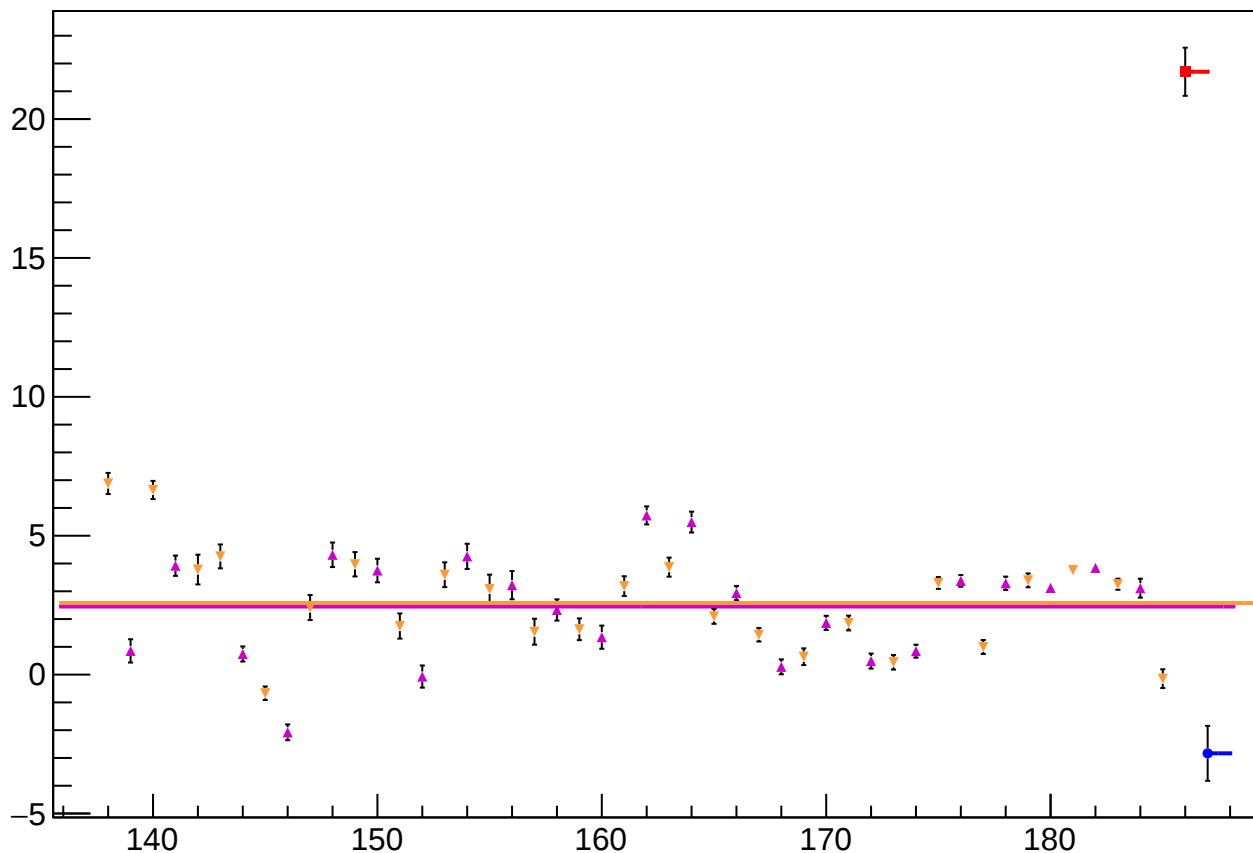
Left In: 0.151±/0.003 χ^2/NDF :1286.5/22

+ sign 0.141±/0.003 χ^2/NDF : 1871.8/42

All: 0.134±/0.002 χ^2/NDF : 4430.5/85

- sign 0.126±/0.003 χ^2/NDF : 2541.7/42

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -2.834 ± 0.988 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 21.703 ± 0.867 $\chi^2/\text{NDF}: 0.0/0$

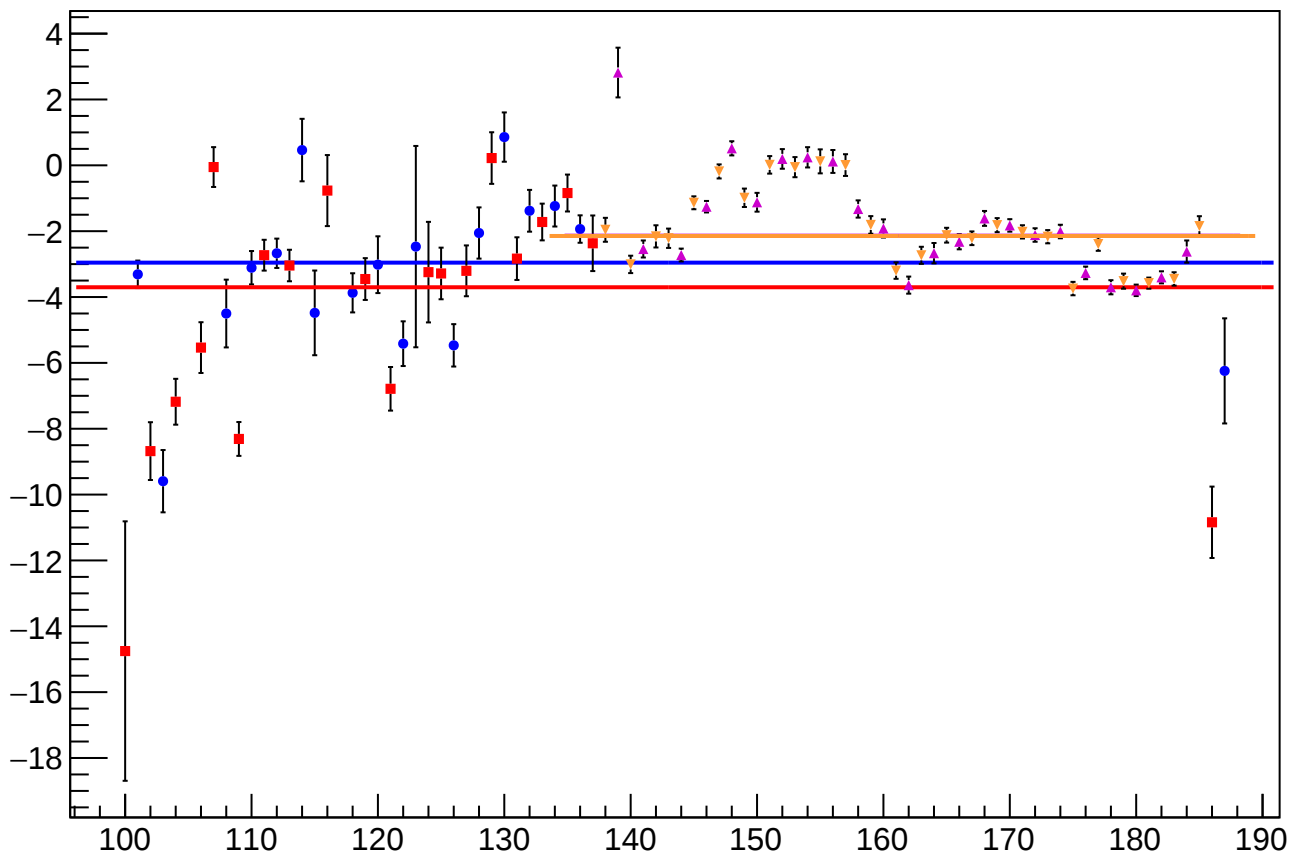
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.558 ± 0.058 $\chi^2/\text{NDF}: 897.3/25$

All: 2.550 ± 0.042 $\chi^2/\text{NDF}: 2259.9/49$

- sign 2.542 ± 0.059 $\chi^2/\text{NDF}: 1362.5/23$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.956 ± 0.154 χ^2/NDF : 149.2/17

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -3.703 ± 0.153 χ^2/NDF : 335.1/19

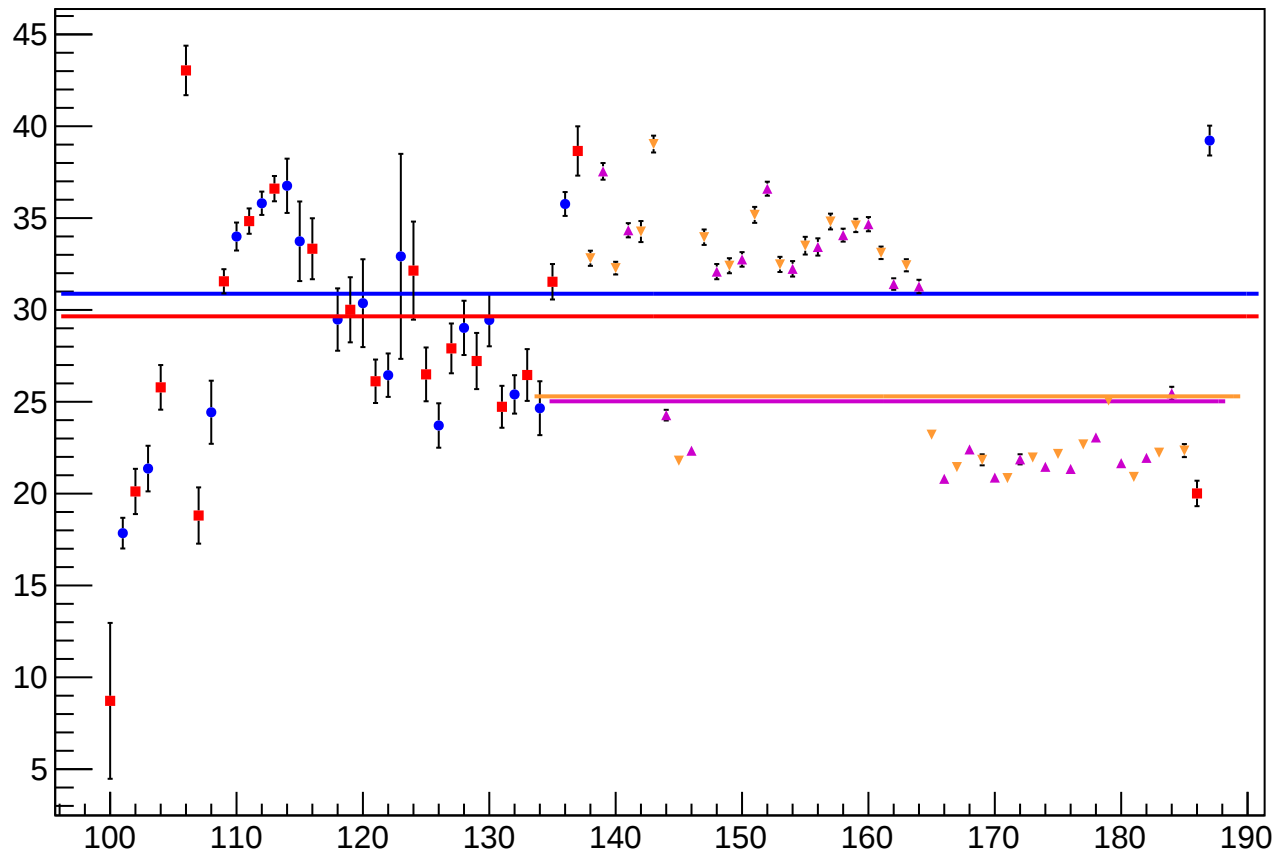
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.216 ± 0.046 χ^2/NDF : 747.7/42

All: -2.247 ± 0.032 χ^2/NDF : 1870.0/85

- sign -2.278 ± 0.046 χ^2/NDF : 1121.3/42

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.882 $\pm$ 0.254 χ^2/NDF : 670.8/17

Left Out: 25.296 $\pm$ 0.059 χ^2/NDF : 8272.3/24

Right Out: 29.651 $\pm$ 0.244 χ^2/NDF : 699.2/19

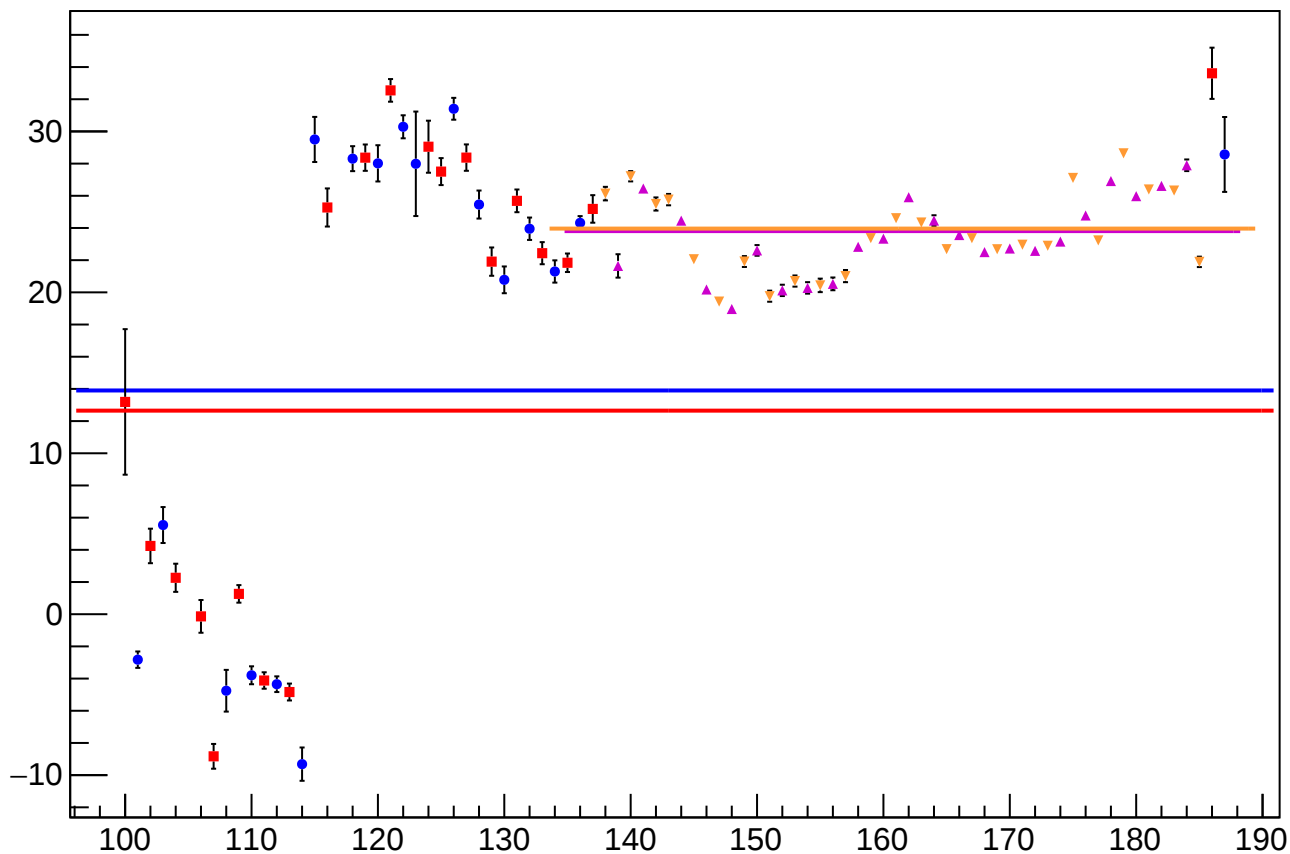
Left In: 25.025 $\pm$ 0.060 χ^2/NDF : 7610.5/22

+ sign 25.580 $\pm$ 0.057 χ^2/NDF : 9401.1/42

All: 25.434 $\pm$ 0.041 χ^2/NDF : 18063.5/85

- sign 25.286 $\pm$ 0.058 χ^2/NDF : 8649.4/42

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.903 $\pm$ 0.173 χ^2 /NDF: 7314.6/17

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.650 $\pm$ 0.173 χ^2 /NDF: 7128.4/19

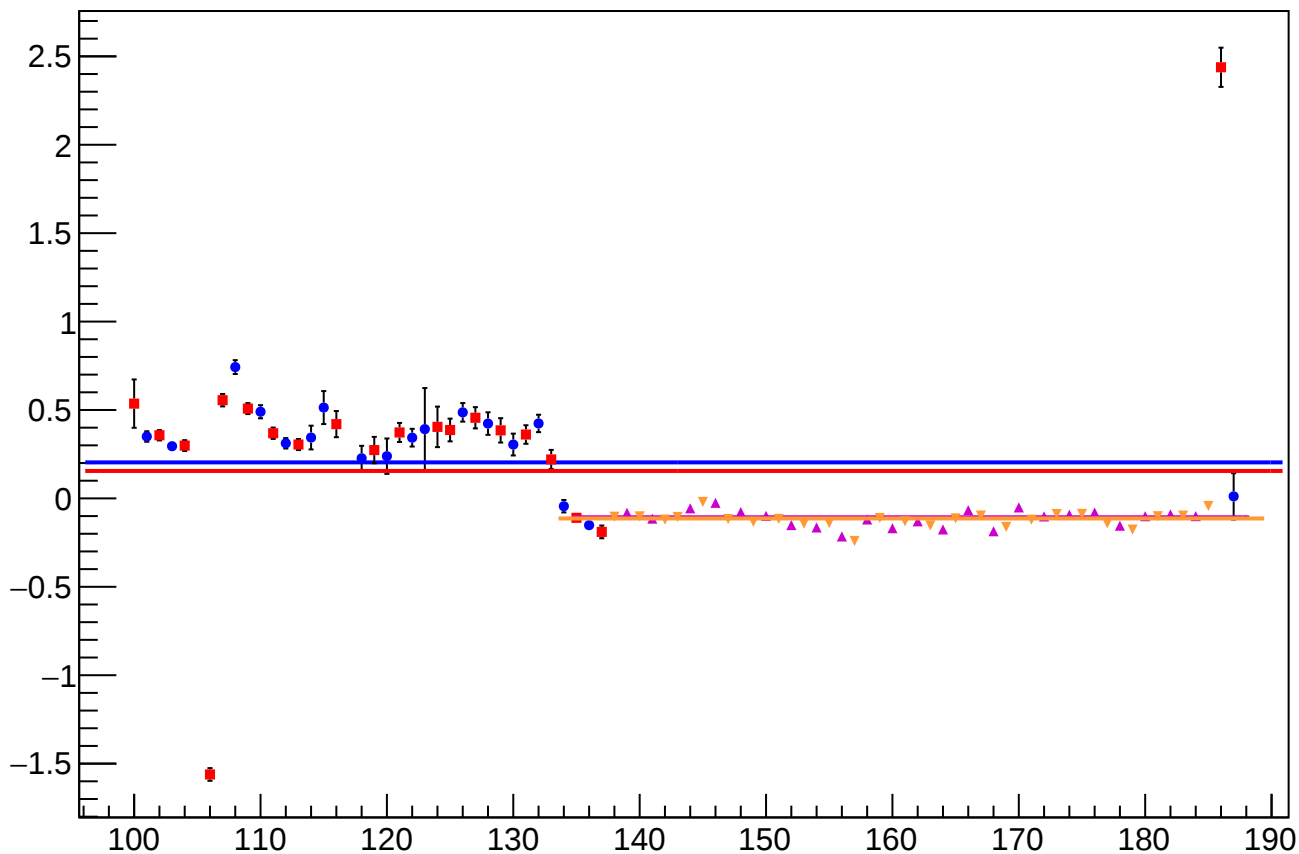
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.090 $\pm$ 0.051 χ^2 /NDF: 12341.1/42

All: 22.954 $\pm$ 0.036 χ^2 /NDF: 25035.4/85

- sign 22.813 $\pm$ 0.052 χ^2 /NDF: 12679.6/42

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.204 ± 0.009 χ^2/NDF : 848.6/17

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.155 ± 0.009 χ^2/NDF : 3440.0/19

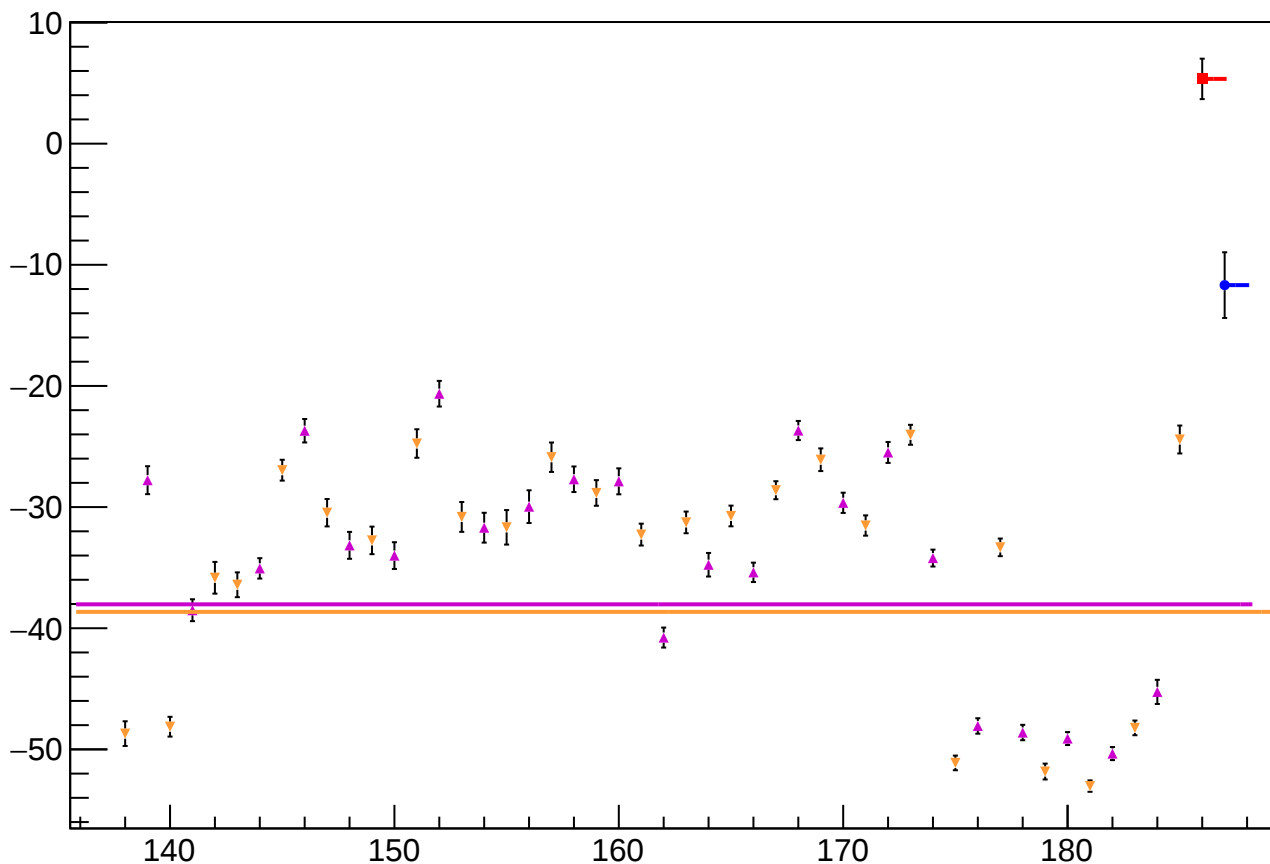
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.094 ± 0.002 χ^2/NDF : 2215.0/42

All: -0.091 ± 0.002 χ^2/NDF : 6736.6/85

- sign -0.089 ± 0.002 χ^2/NDF : 4519.8/42

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -11.678 $\pm$ 2.711 χ^2 /NDF: 0.0/0

Left Out: -38.650 $\pm$ 0.169 χ^2 /NDF:4077.2/24

Right Out: 5.346 $\pm$ 1.669 χ^2 /NDF: 0.0/0

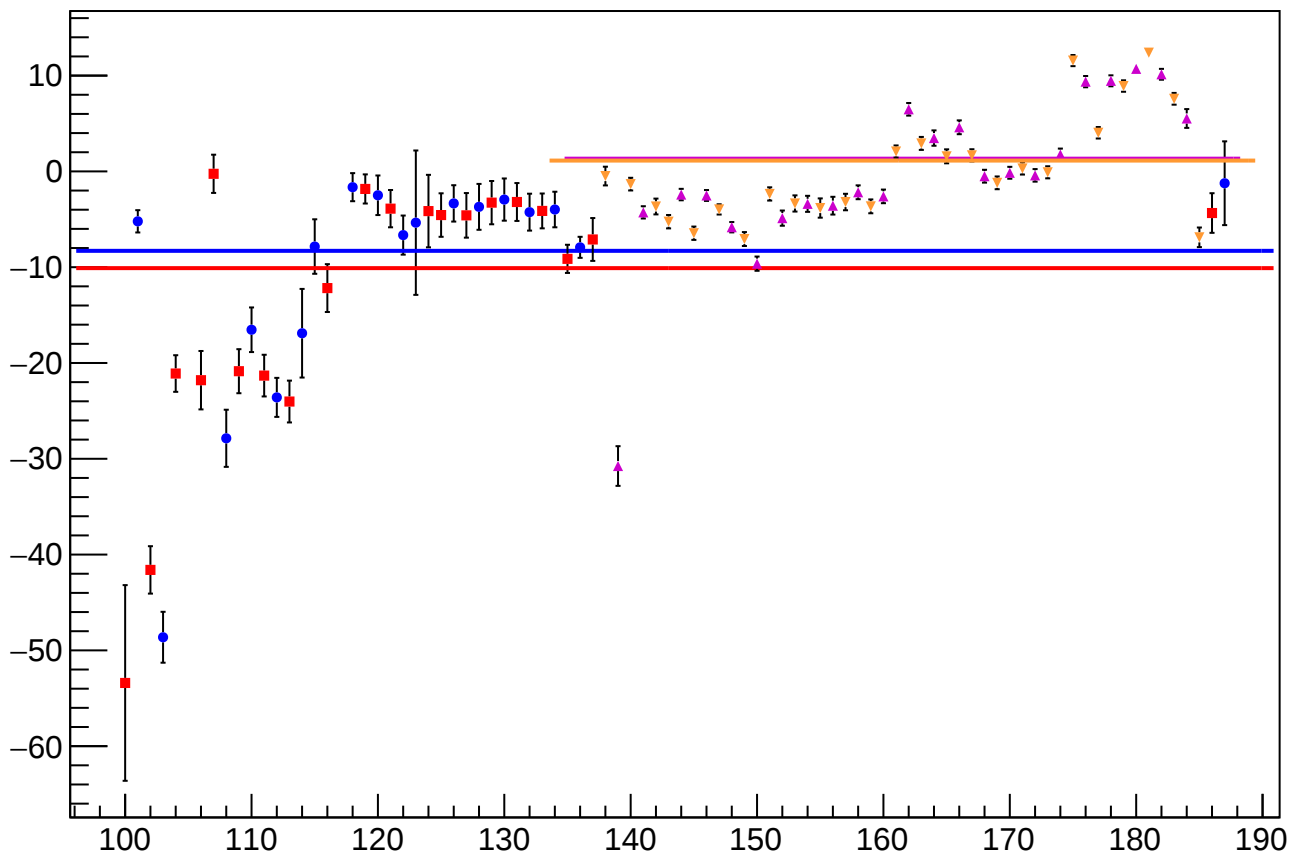
Left In: -38.027 $\pm$ 0.173 χ^2 /NDF:3091.9/22

+ sign -38.545 $\pm$ 0.169 χ^2 /NDF: 4175.8/25

All: -38.065 $\pm$ 0.121 χ^2 /NDF: 7952.3/49

- sign -37.565 $\pm$ 0.172 χ^2 /NDF: 3760.0/23

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.293 ± 0.464 $\chi^2/\text{NDF}: 411.1/17$

Left Out: 1.130 ± 0.136 $\chi^2/\text{NDF}: 1799.3/24$

Right Out: -10.098 ± 0.478 $\chi^2/\text{NDF}: 438.0/19$

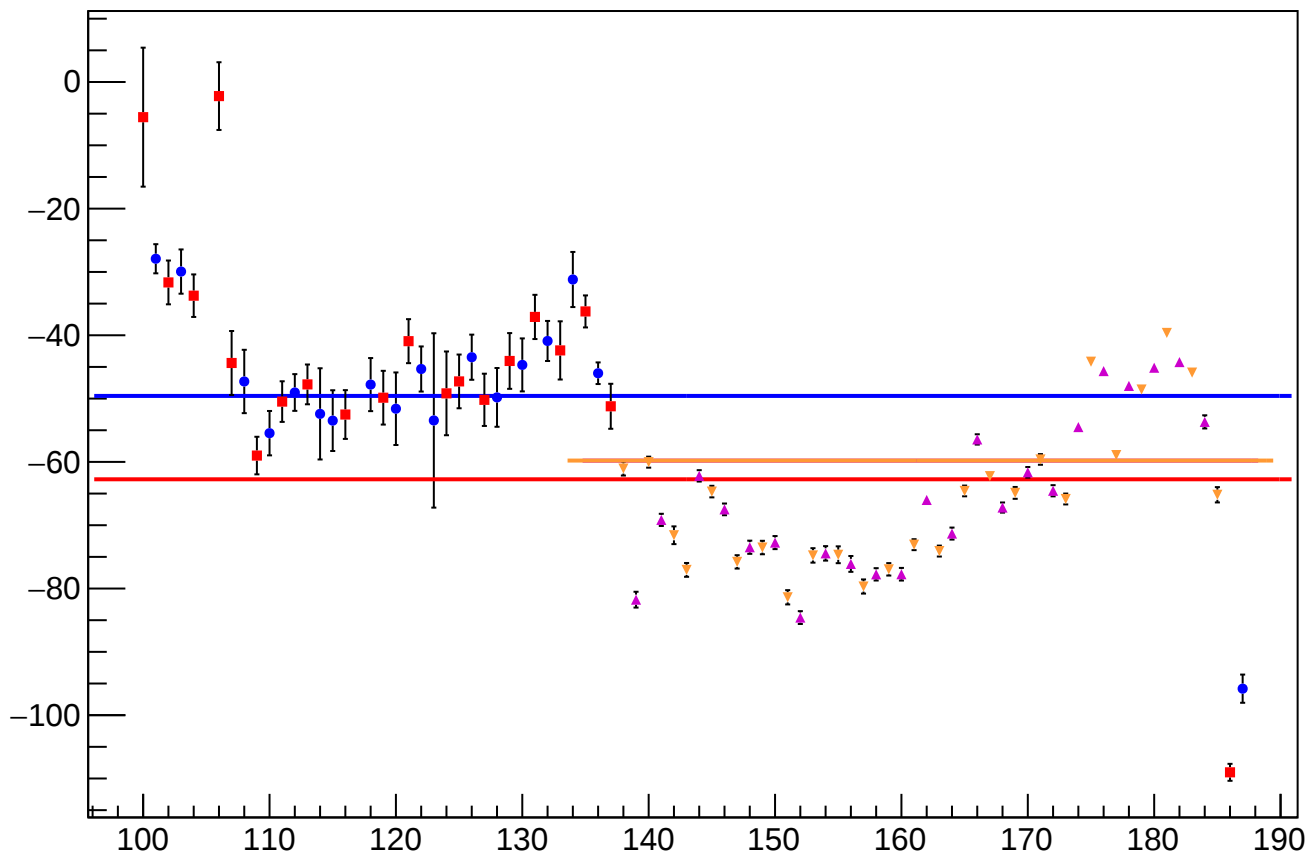
Left In: 1.329 ± 0.140 $\chi^2/\text{NDF}: 2048.0/22$

+ sign 0.384 ± 0.130 $\chi^2/\text{NDF}: 2590.3/42$

All: 0.406 ± 0.094 $\chi^2/\text{NDF}: 5602.2/85$

- sign 0.430 ± 0.134 $\chi^2/\text{NDF}: 3011.8/42$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -49.579 ± 0.785 χ^2/NDF : 590.8/17

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -62.747 ± 0.729 χ^2/NDF : 1852.3/19

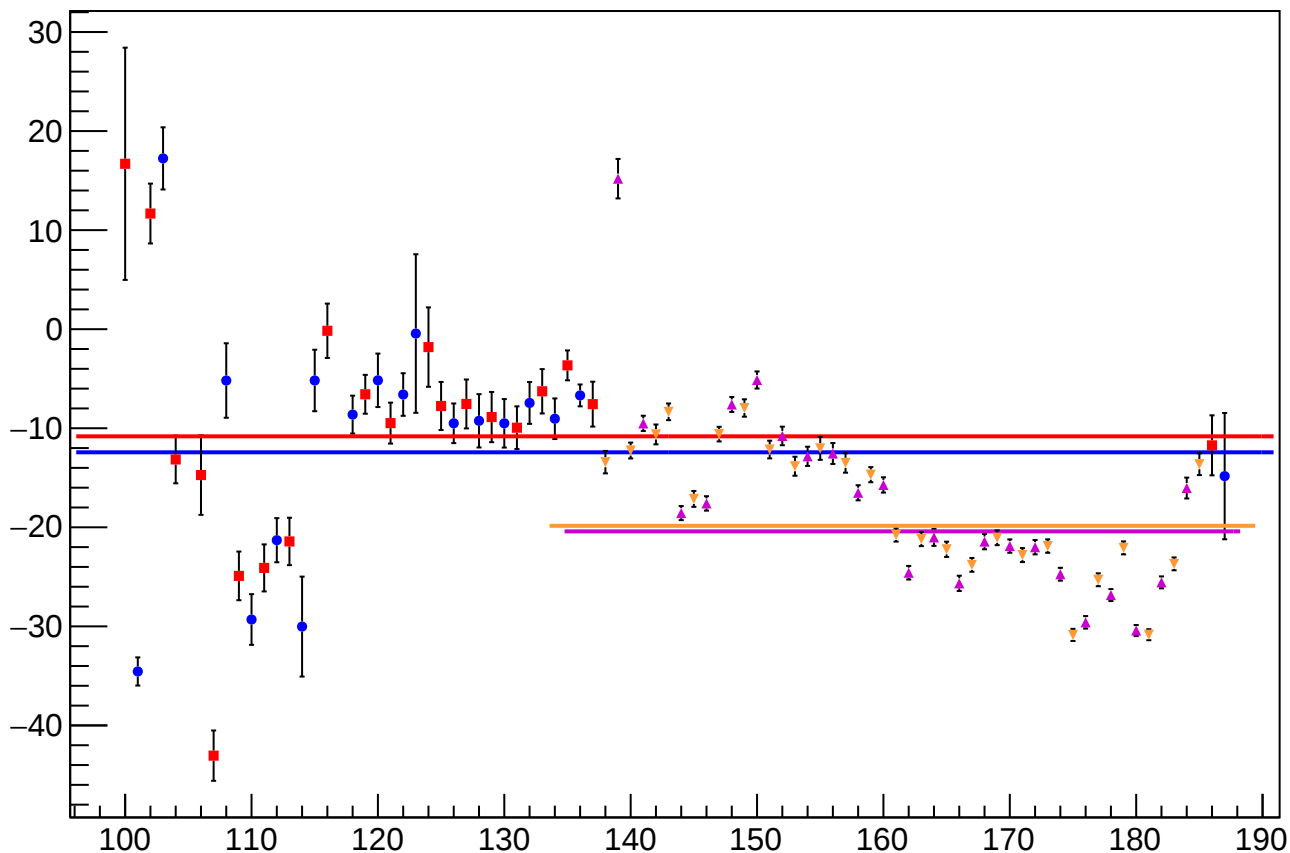
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.330 ± 0.166 χ^2/NDF : 6590.2/42

All: -59.641 ± 0.118 χ^2/NDF : 13682.6/85

- sign -59.960 ± 0.169 χ^2/NDF : 7085.3/42

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.429 ± 0.522 χ^2/NDF : 473.7/17

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -10.816 ± 0.546 χ^2/NDF : 366.0/19

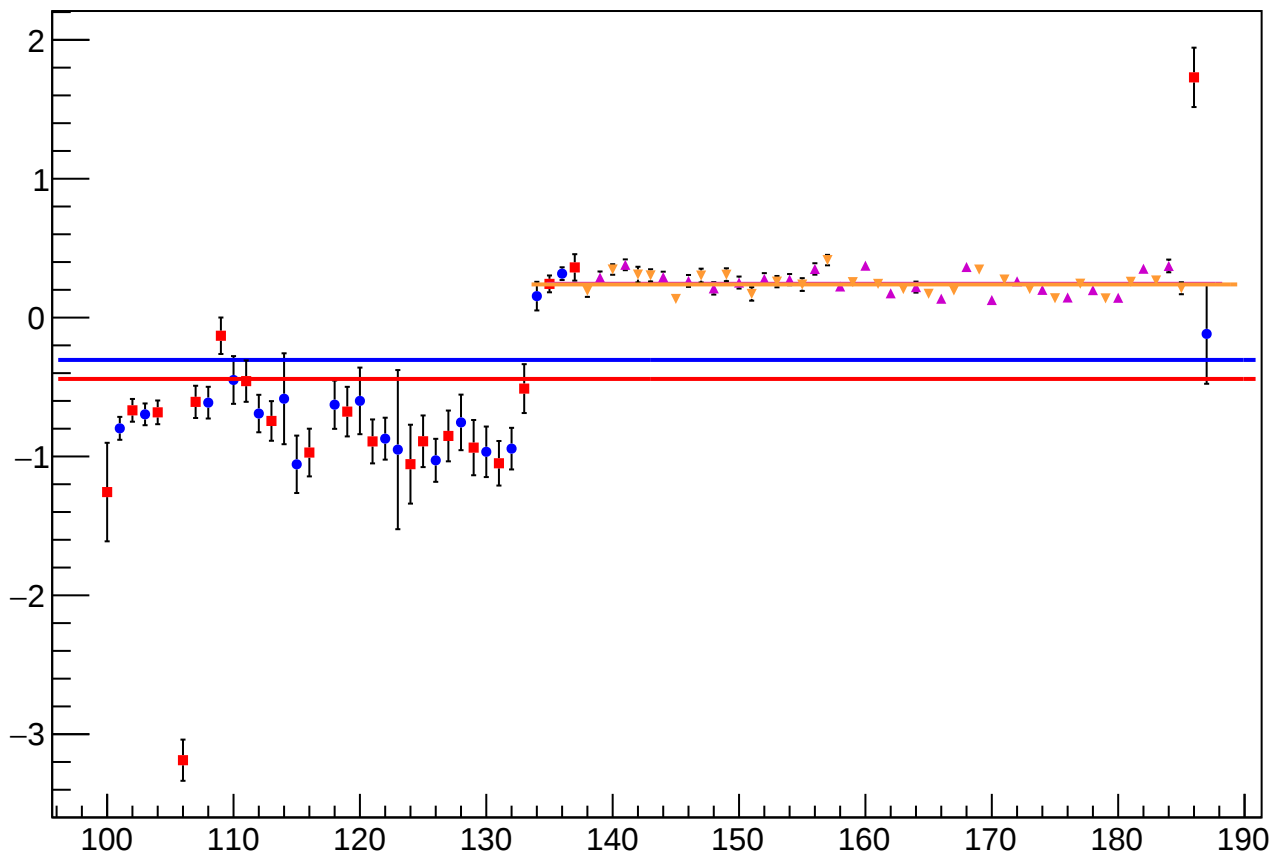
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.262 ± 0.147 χ^2/NDF : 2591.0/42

All: -19.465 ± 0.105 χ^2/NDF : 5548.6/85

- sign -19.679 ± 0.151 χ^2/NDF : 2953.7/42

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.305 ± 0.028 χ^2/NDF : 371.9/17

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.442 ± 0.028 χ^2/NDF : 732.8/19

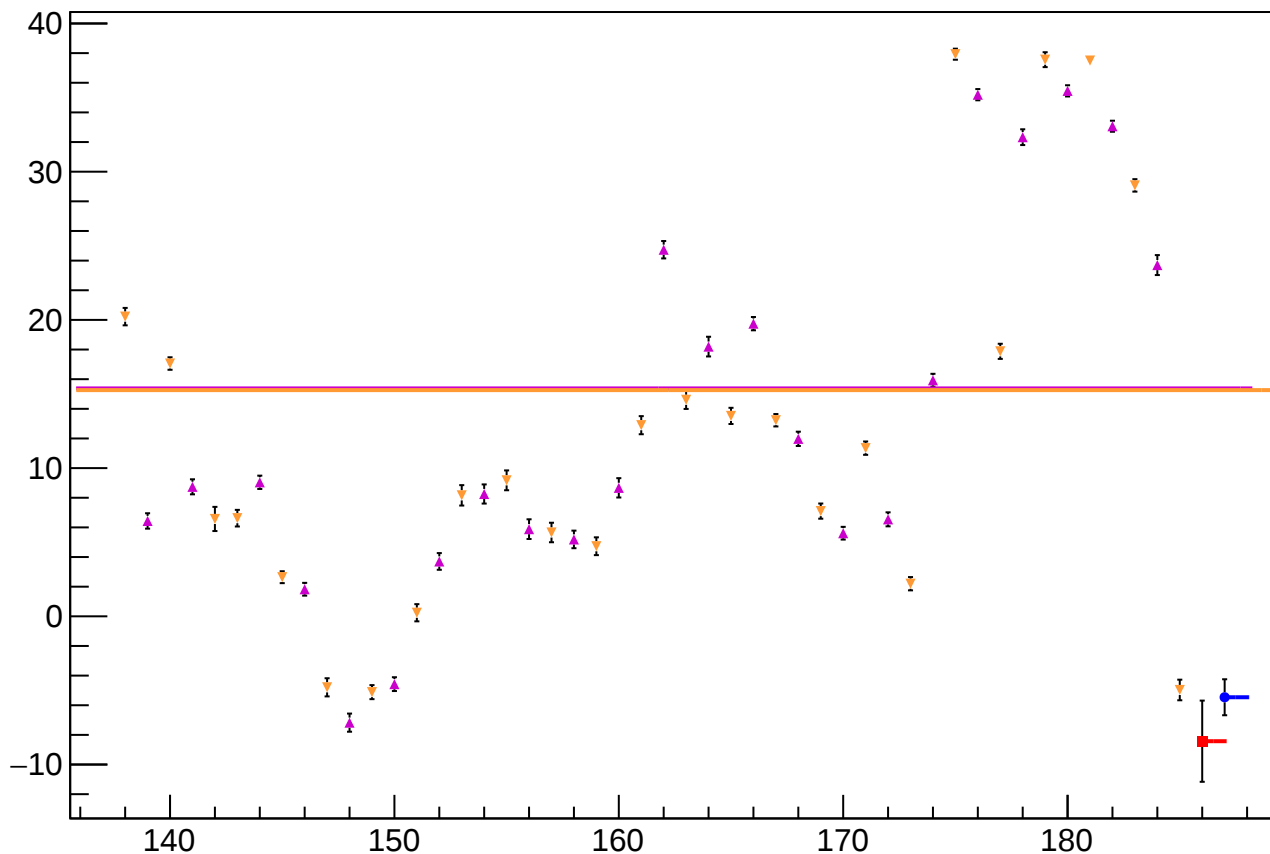
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.206 ± 0.007 χ^2/NDF : 831.7/42

All: 0.204 ± 0.005 χ^2/NDF : 2251.0/85

- sign 0.202 ± 0.007 χ^2/NDF : 1419.2/42

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: -5.461 $\pm$ 1.214 χ^2 /NDF: 0.0/0

Left Out: 15.263 $\pm$ 0.100 χ^2 /NDF:19175.2/24

Right Out: -8.426 $\pm$ 2.739 χ^2 /NDF: 0.0/0

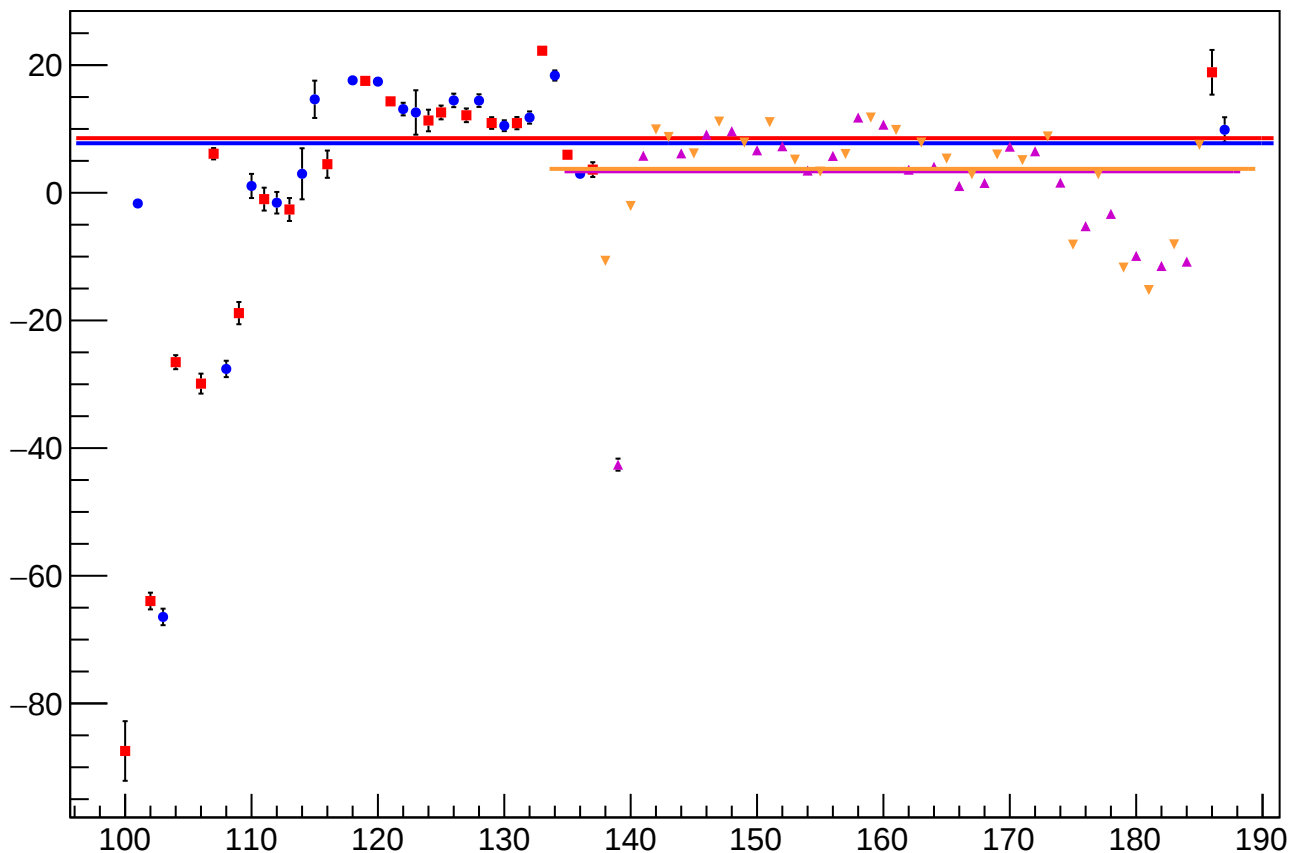
Left In: 15.377 $\pm$ 0.103 χ^2 /NDF:16268.9/22

+ sign 15.121 $\pm$ 0.100 χ^2 /NDF: 19464.7/25

All: 15.230 $\pm$ 0.072 χ^2 /NDF: 35811.4/49

- sign 15.343 $\pm$ 0.103 χ^2 /NDF: 16344.3/23

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.762 ± 0.217 $\chi^2/\text{NDF}: 5302.5/17$

Left Out: 3.746 ± 0.079 $\chi^2/\text{NDF}: 9247.4/24$

Right Out: 8.556 ± 0.213 $\chi^2/\text{NDF}: 6729.3/19$

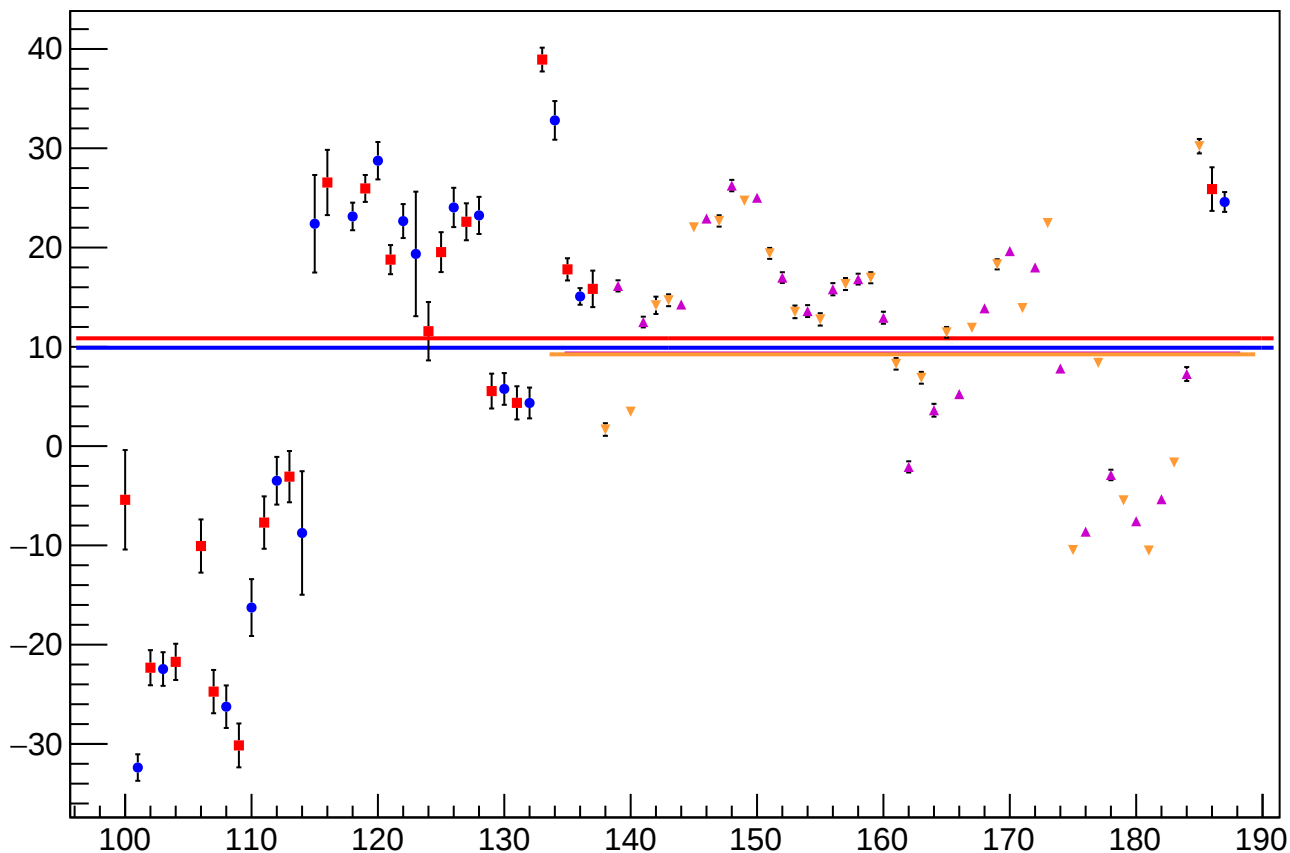
Left In: 3.365 ± 0.081 $\chi^2/\text{NDF}: 8527.0/22$

+ sign 4.213 ± 0.074 $\chi^2/\text{NDF}: 14852.6/42$

All: 4.121 ± 0.053 $\chi^2/\text{NDF}: 30630.2/85$

- sign 4.024 ± 0.076 $\chi^2/\text{NDF}: 15774.4/42$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 9.907 $\pm$ 0.386 χ^2 /NDF: 2546.0/17

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 10.858 $\pm$ 0.410 χ^2 /NDF: 2331.4/19

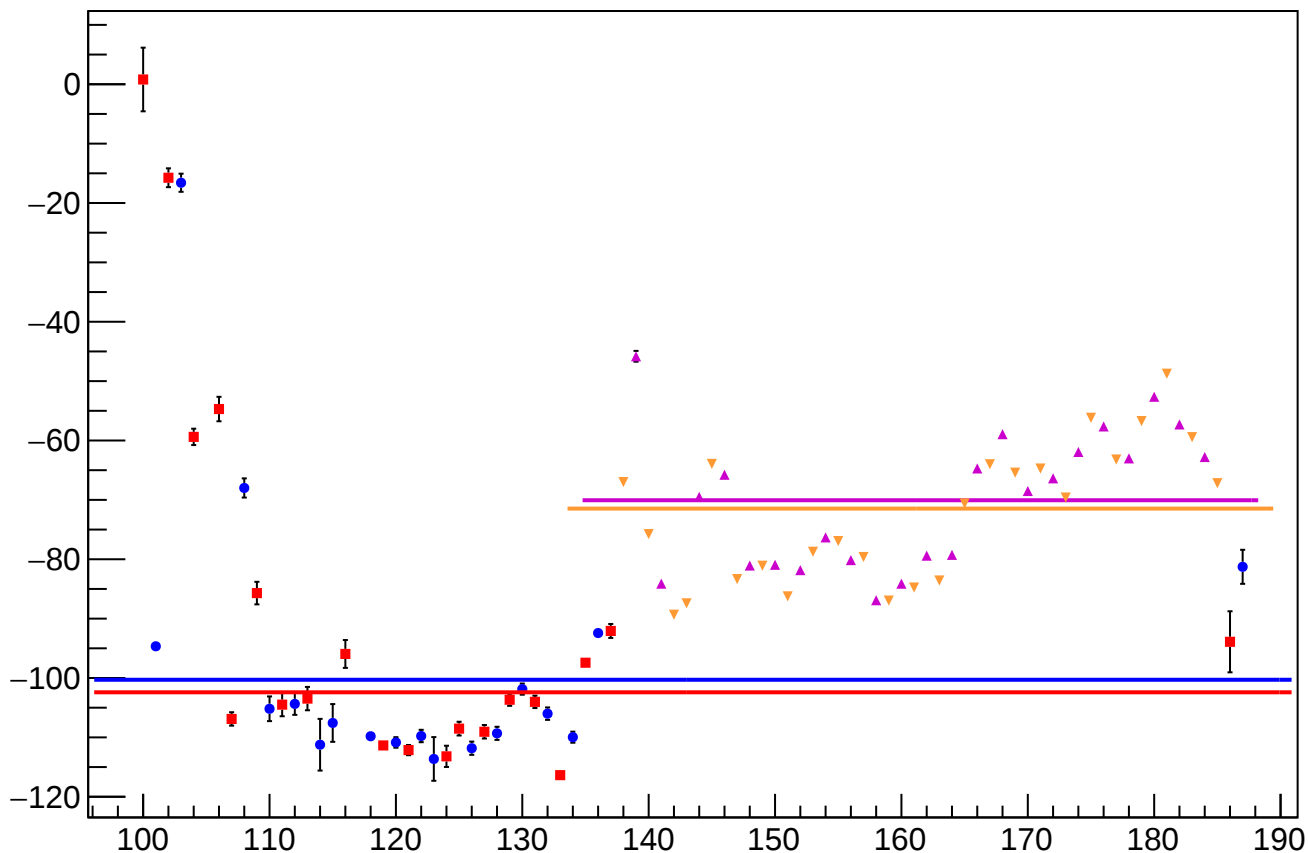
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 9.285 $\pm$ 0.098 χ^2 /NDF: 16182.0/42

All: 9.350 $\pm$ 0.070 χ^2 /NDF: 30495.8/85

- sign 9.418 $\pm$ 0.099 χ^2 /NDF: 14312.9/42

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.295 ± 0.250 χ^2/NDF : 4503.3/17

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -102.408 ± 0.246 χ^2/NDF : 6097.7/19

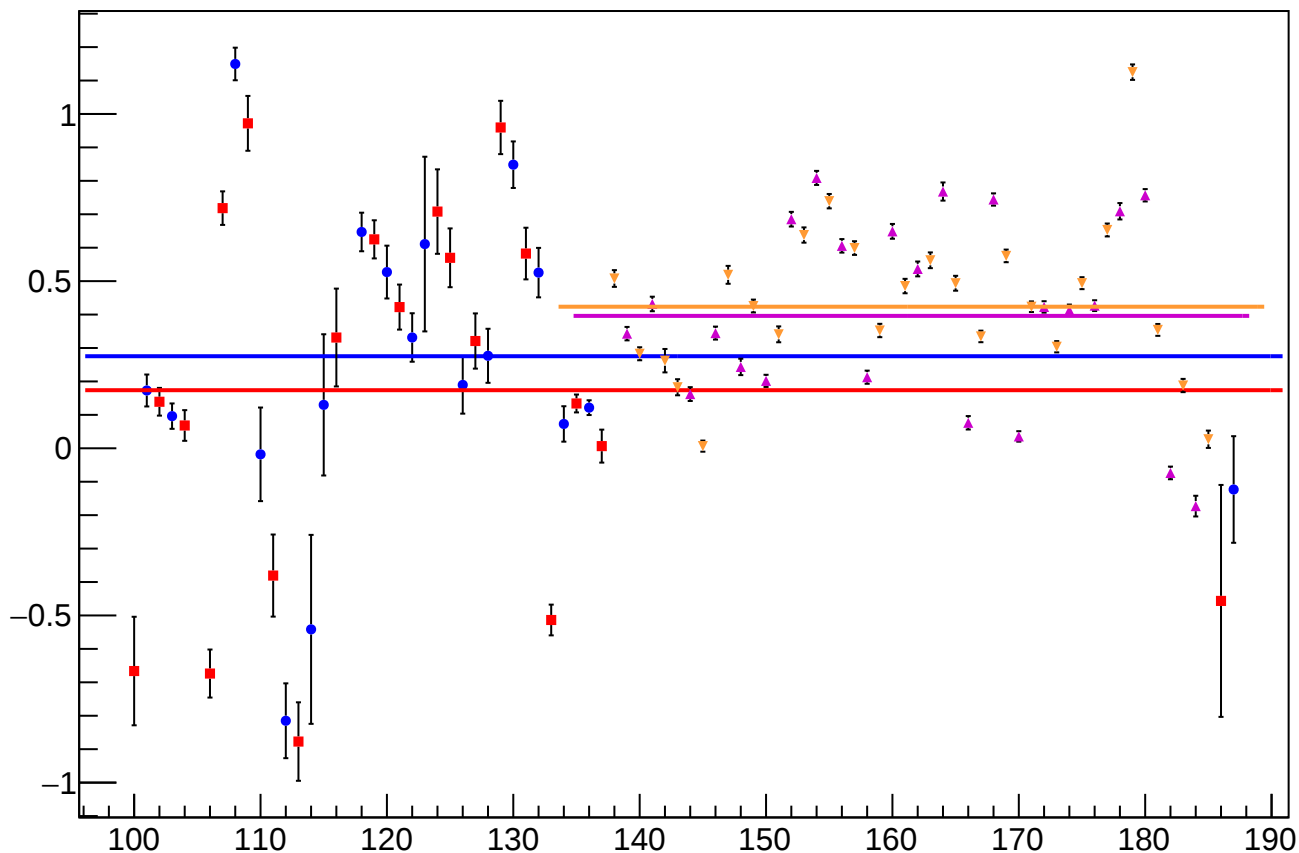
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -74.724 ± 0.084 χ^2/NDF : 32700.0/42

All: -74.369 ± 0.060 χ^2/NDF : 67031.0/85

- sign -73.998 ± 0.086 χ^2/NDF : 34294.6/42

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.275 $\pm$ 0.013 χ^2/NDF : 659.8/17

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.174 $\pm$ 0.013 χ^2/NDF : 969.4/19

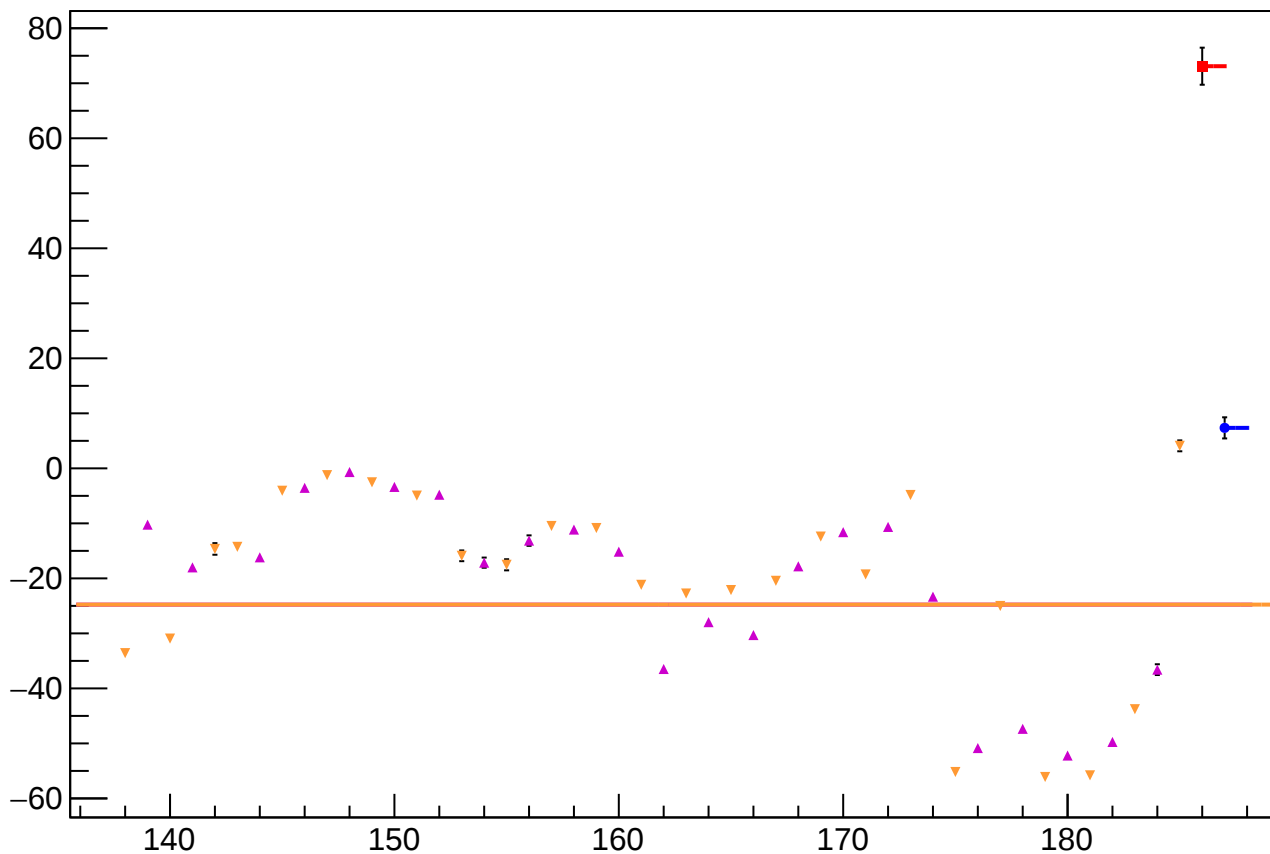
Left In: 0.396 $\pm$ 0.004 χ^2/NDF : 4051.5/22

+ sign 0.411 $\pm$ 0.004 χ^2/NDF : 3655.3/42

All: 0.394 $\pm$ 0.003 χ^2/NDF : 8962.0/85

- sign 0.377 $\pm$ 0.004 χ^2/NDF : 5269.1/42

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: 7.358+/-1.920 χ^2/NDF : 0.0/0

Left Out: -24.769+/-0.139 χ^2/NDF :18318.8/24

Right Out: 73.101+/-3.369 χ^2/NDF : 0.0/0

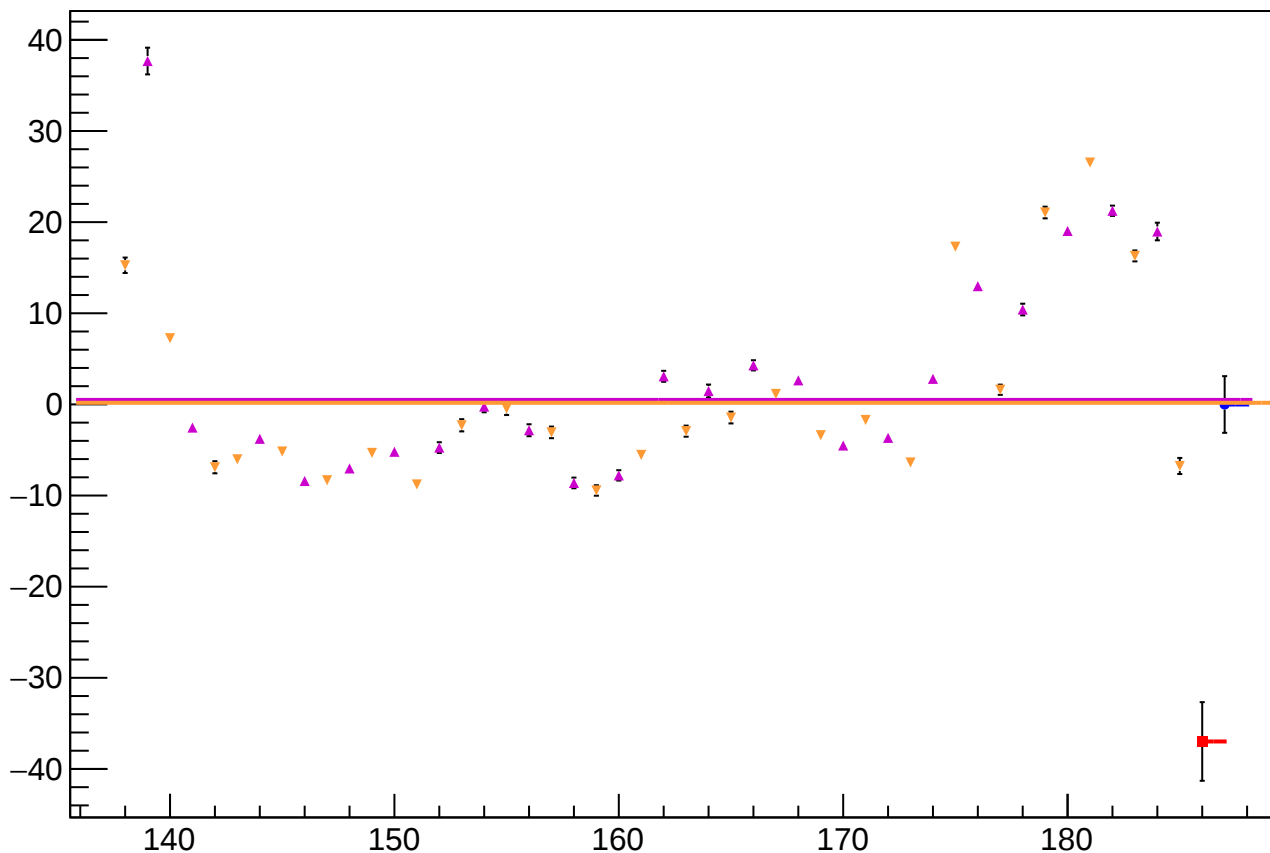
Left In: -24.775+/-0.143 χ^2/NDF :14807.4/22

+ sign -24.600+/-0.139 χ^2/NDF : 18597.3/25

All: -24.600+/-0.100 χ^2/NDF : 34247.3/49

- sign -24.599+/-0.143 χ^2/NDF : 15650.0/23

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -0.009 ± 3.109 χ^2/NDF : 0.0/0

Left Out: 0.177 ± 0.109 χ^2/NDF : 8295.6/24

Right Out: -36.986 ± 4.315 χ^2/NDF : 0.0/0

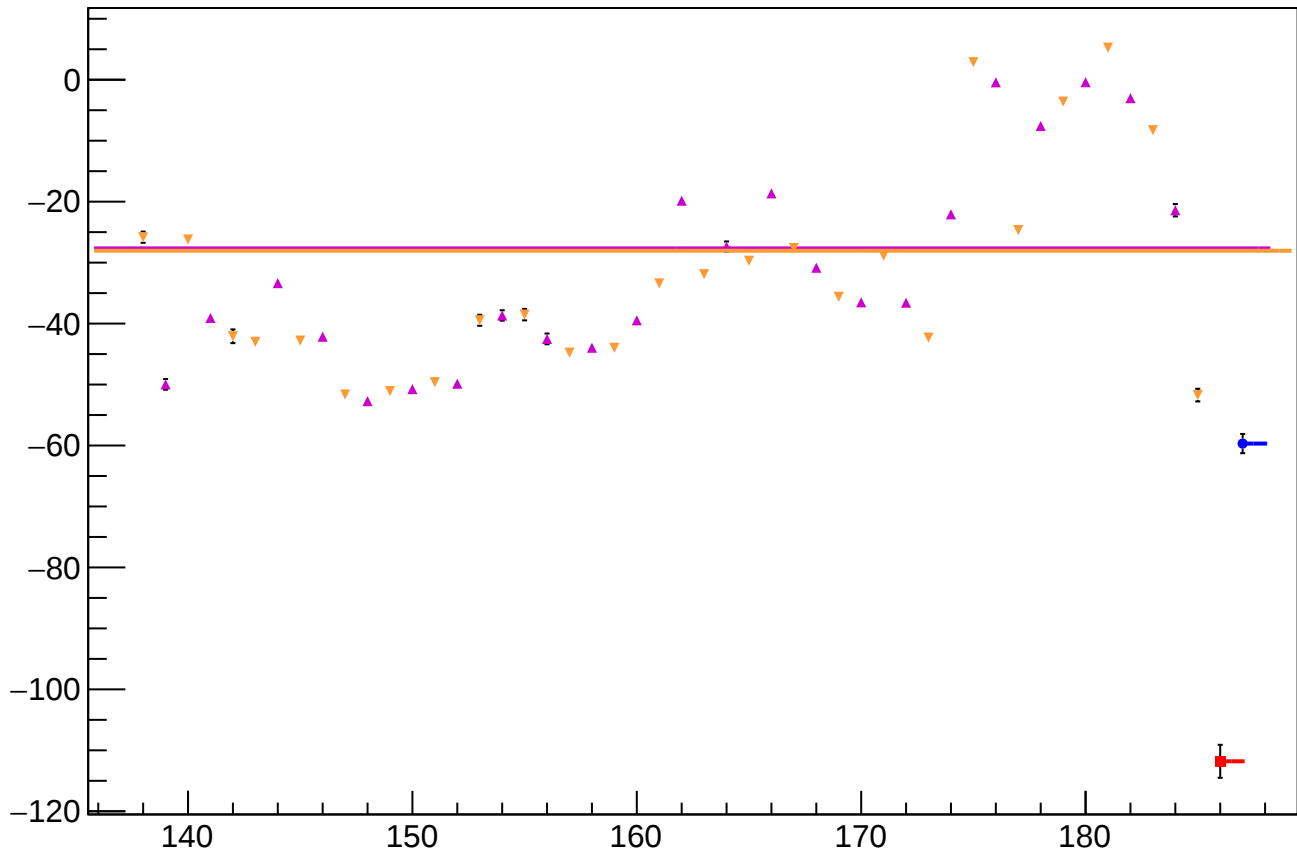
Left In: 0.493 ± 0.112 χ^2/NDF : 6555.4/22

+ sign 0.177 ± 0.108 χ^2/NDF : 8295.6/25

All: 0.318 ± 0.078 χ^2/NDF : 14929.8/49

- sign 0.468 ± 0.112 χ^2/NDF : 6630.8/23

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -59.683 $\pm$ 1.579 χ^2 /NDF: 0.0/0

Left Out: -28.050 $\pm$ 0.140 χ^2 /NDF:17144.5/24

Right Out: -111.801 $\pm$ 2.706 χ^2 /NDF: 0.0/0

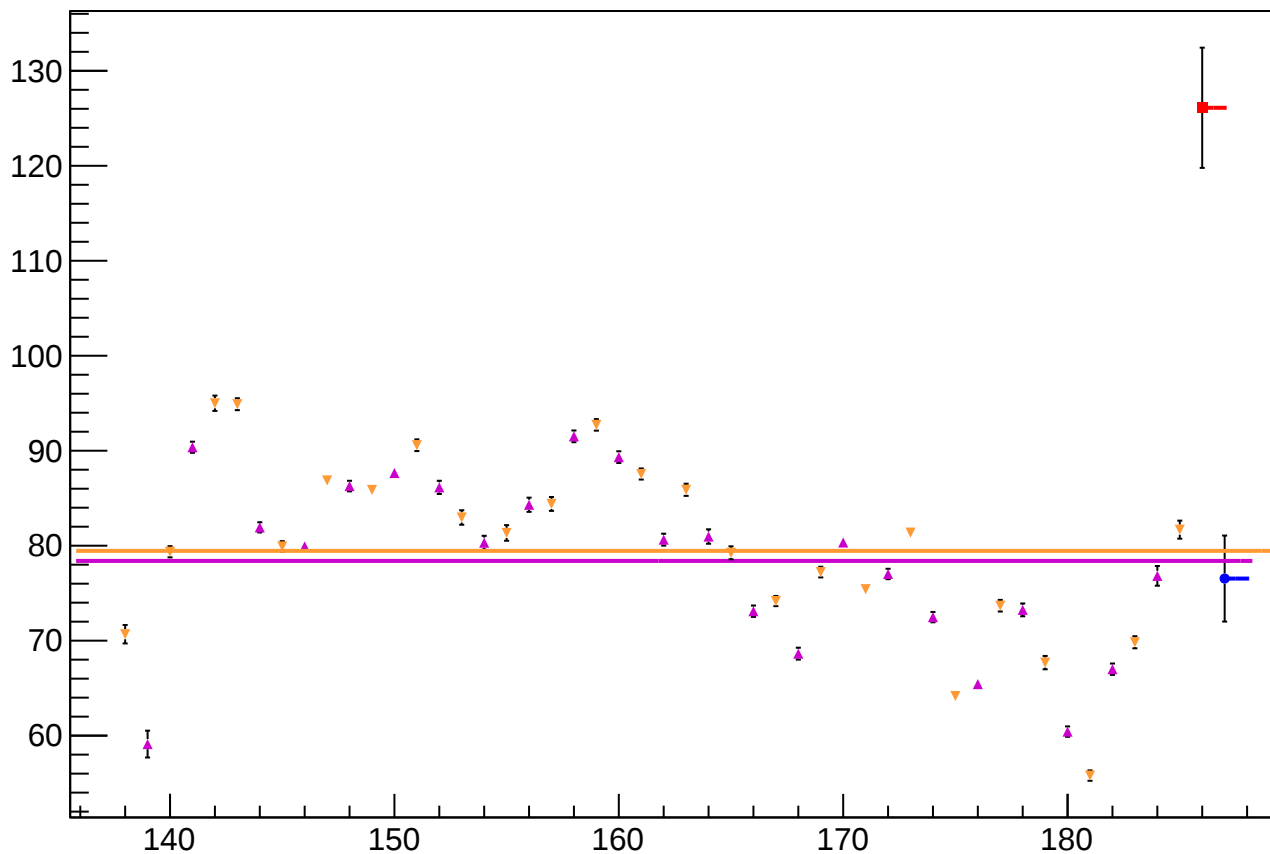
Left In: -27.666 $\pm$ 0.142 χ^2 /NDF:15003.2/22

+ sign -28.296 $\pm$ 0.139 χ^2 /NDF: 17542.7/25

All: -28.102 $\pm$ 0.100 χ^2 /NDF: 33514.2/49

- sign -27.899 $\pm$ 0.142 χ^2 /NDF: 15967.5/23

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 76.539+/-4.529 χ^2/NDF : 0.0/0

Left Out: 79.456+/-0.123 χ^2/NDF : 6077.1/24

Right Out: 126.108+/-6.329 χ^2/NDF : 0.0/0

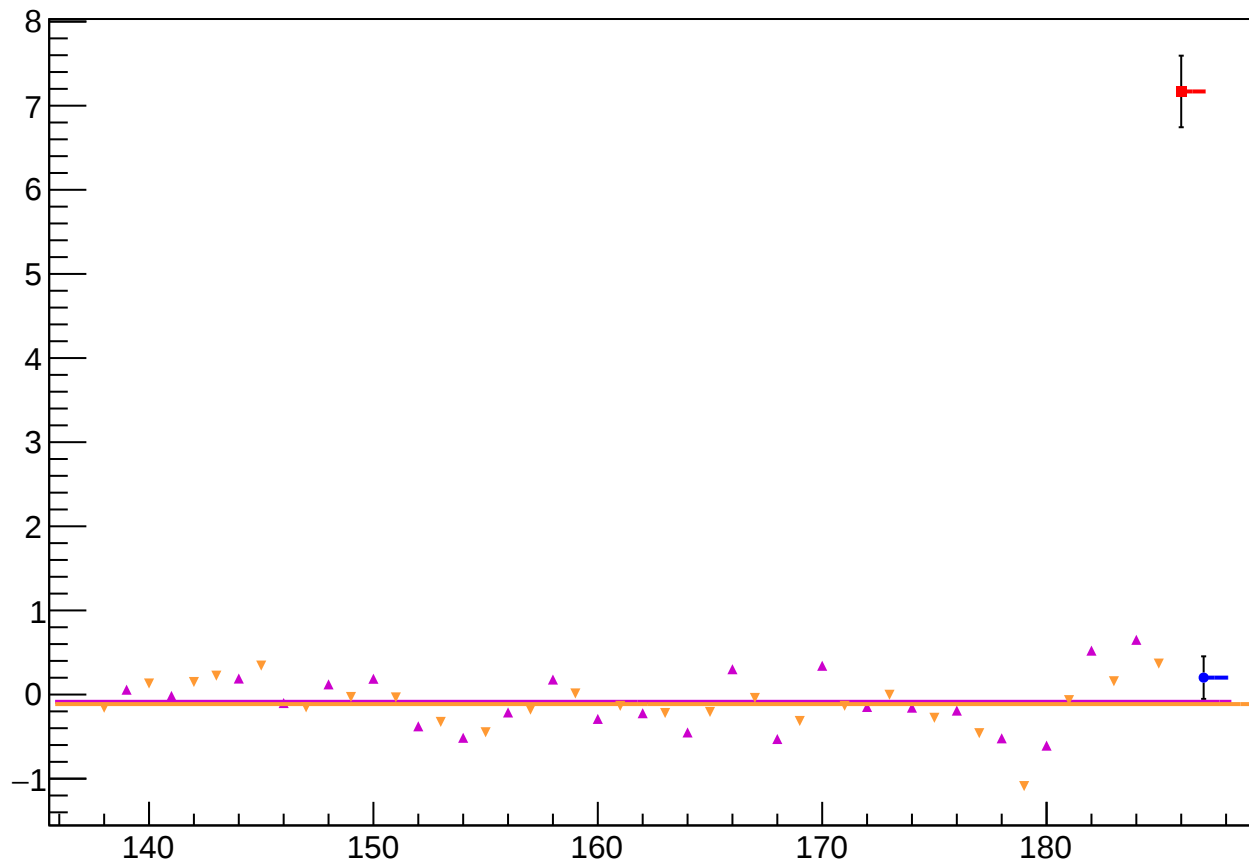
Left In: 78.396+/-0.127 χ^2/NDF : 4707.3/22

+ sign 79.454+/-0.123 χ^2/NDF : 6077.5/25

All: 78.949+/-0.088 χ^2/NDF : 10876.2/49

- sign 78.415+/-0.127 χ^2/NDF : 4764.1/23

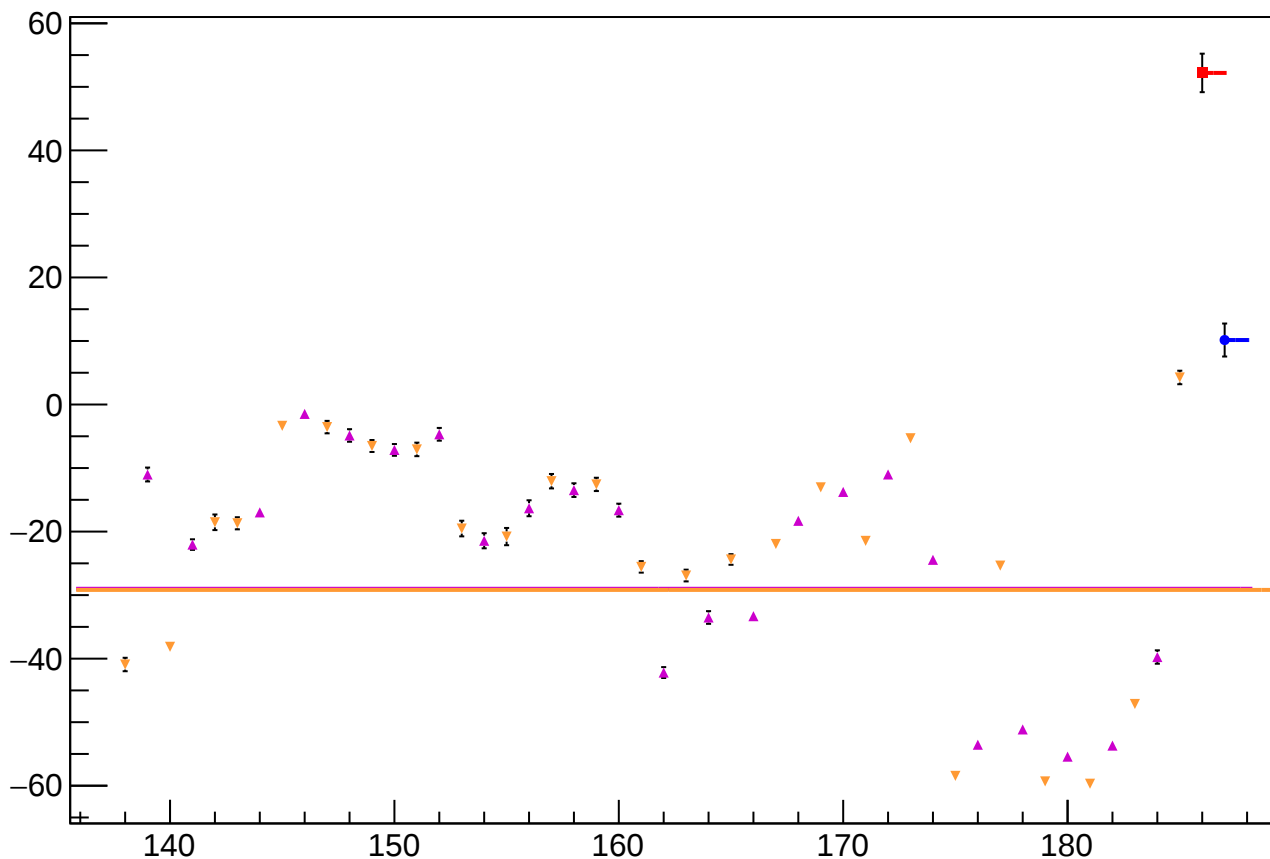
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: 0.201+/-0.253 χ^2/NDF : 0.0/0
 Left Out: -0.113+/-0.006 χ^2/NDF : 2303.1/24
 Right Out: 7.169+/-0.425 χ^2/NDF : 0.0/0
 Left In: -0.086+/-0.006 χ^2/NDF : 3132.1/22

+ sign -0.113+/-0.006 χ^2/NDF : 2304.7/25
 All: -0.099+/-0.004 χ^2/NDF : 5739.8/49
 - sign -0.085+/-0.006 χ^2/NDF : 3422.9/23

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: 10.151+/-2.596 χ^2/NDF : 0.0/0

Left Out: -29.180+/-0.157 χ^2/NDF :16912.2/24

Right Out: 52.193+/-3.030 χ^2/NDF : 0.0/0

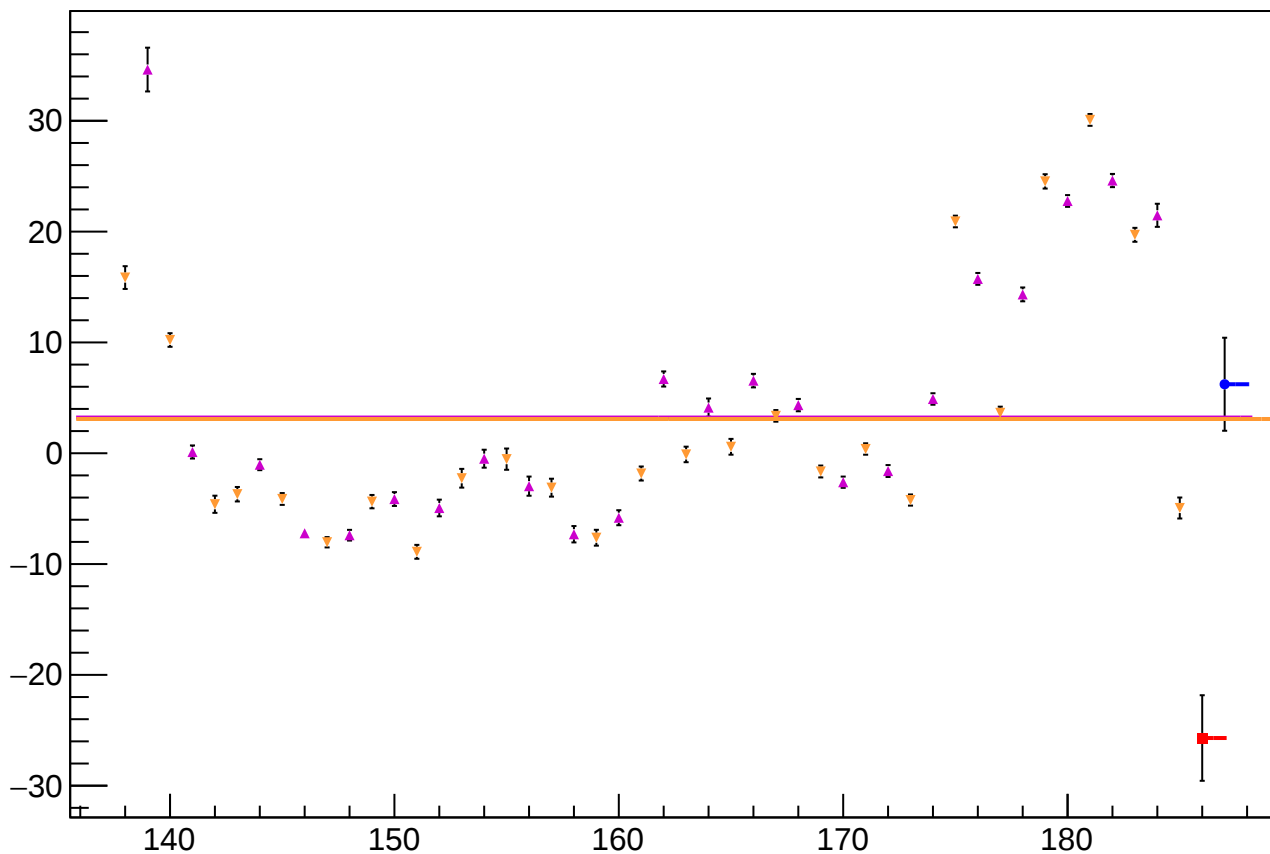
Left In: -29.003+/-0.160 χ^2/NDF :13416.8/22

+ sign -29.037+/-0.157 χ^2/NDF : 17141.0/25

All: -28.910+/-0.112 χ^2/NDF : 31275.1/49

- sign -28.777+/-0.160 χ^2/NDF : 14132.8/23

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 6.227 $\pm$ 4.197 χ^2 /NDF: 0.0/0

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF:8084.1/24

Right Out: -25.698 $\pm$ 3.861 χ^2 /NDF: 0.0/0

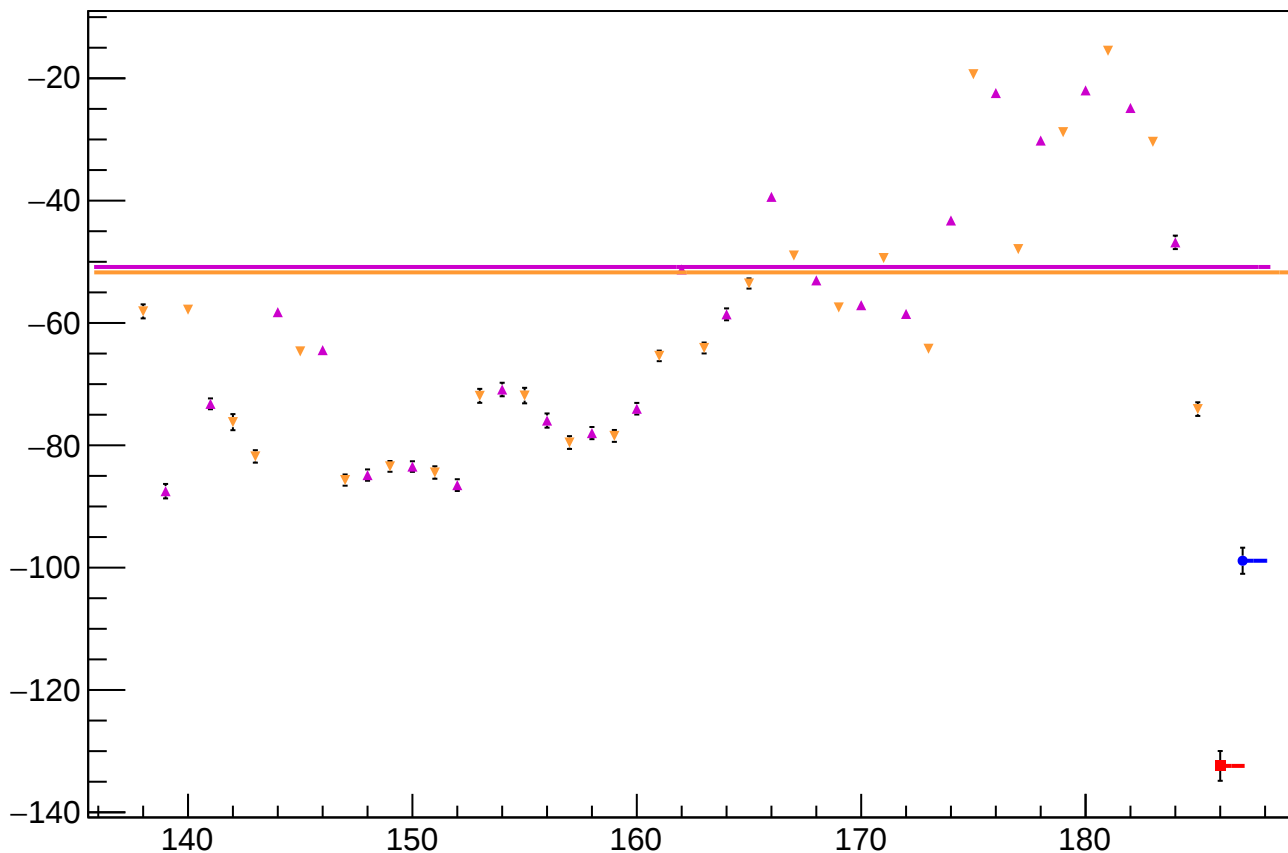
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

+ sign 3.093 $\pm$ 0.124 χ^2 /NDF: 8084.6/25

All: 3.141 $\pm$ 0.089 χ^2 /NDF: 14378.6/49

- sign 3.190 $\pm$ 0.127 χ^2 /NDF: 6293.7/23

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -98.874 ± 2.134 χ^2/NDF : 0.0/0

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -132.413 ± 2.435 χ^2/NDF : 0.0/0

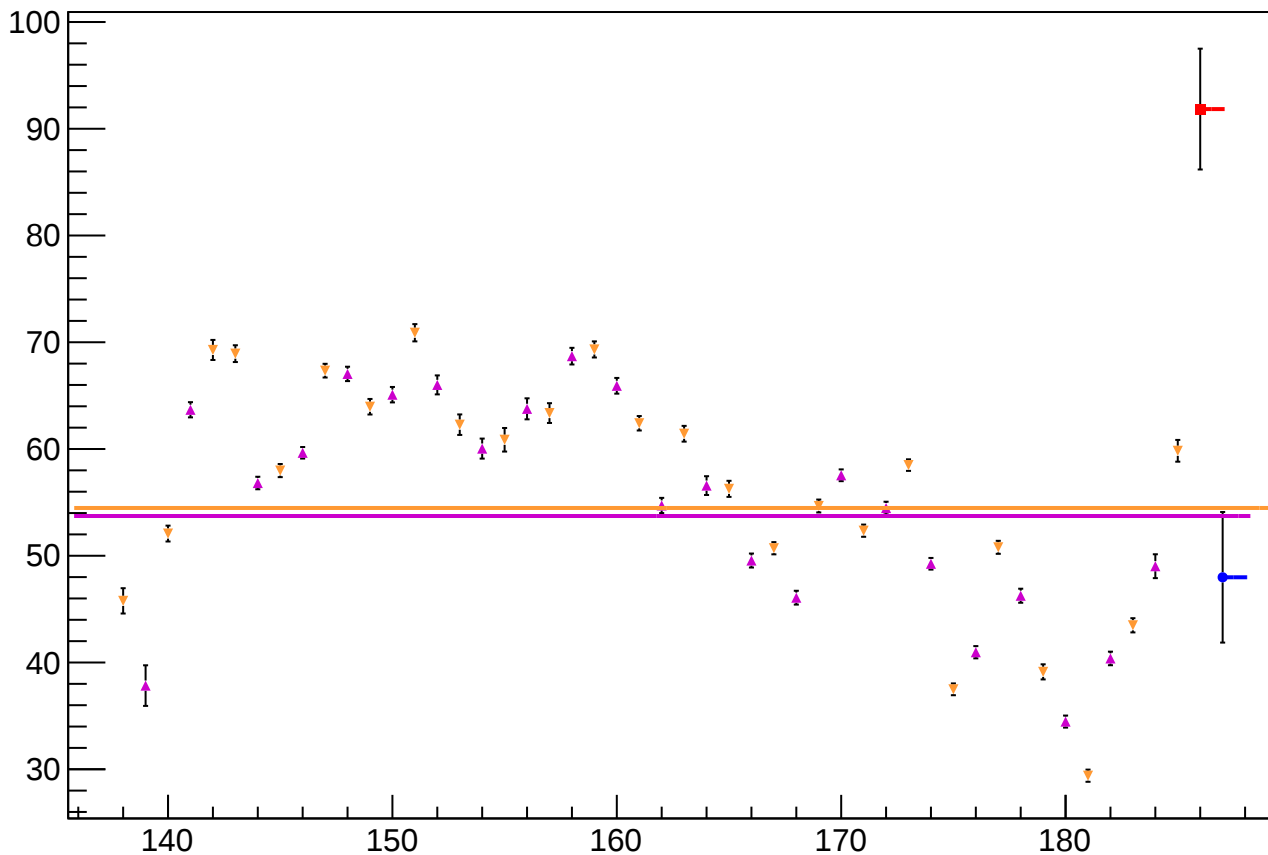
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -51.986 ± 0.157 χ^2/NDF : 20023.4/25

All: -51.596 ± 0.112 χ^2/NDF : 38425.3/49

- sign -51.195 ± 0.160 χ^2/NDF : 18389.5/23

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 47.983+/-6.117 χ^2/NDF : 0.0/0

Left Out: 54.476+/-0.140 χ^2/NDF : 6266.9/24

Right Out: 91.843+/-5.659 χ^2/NDF : 0.0/0

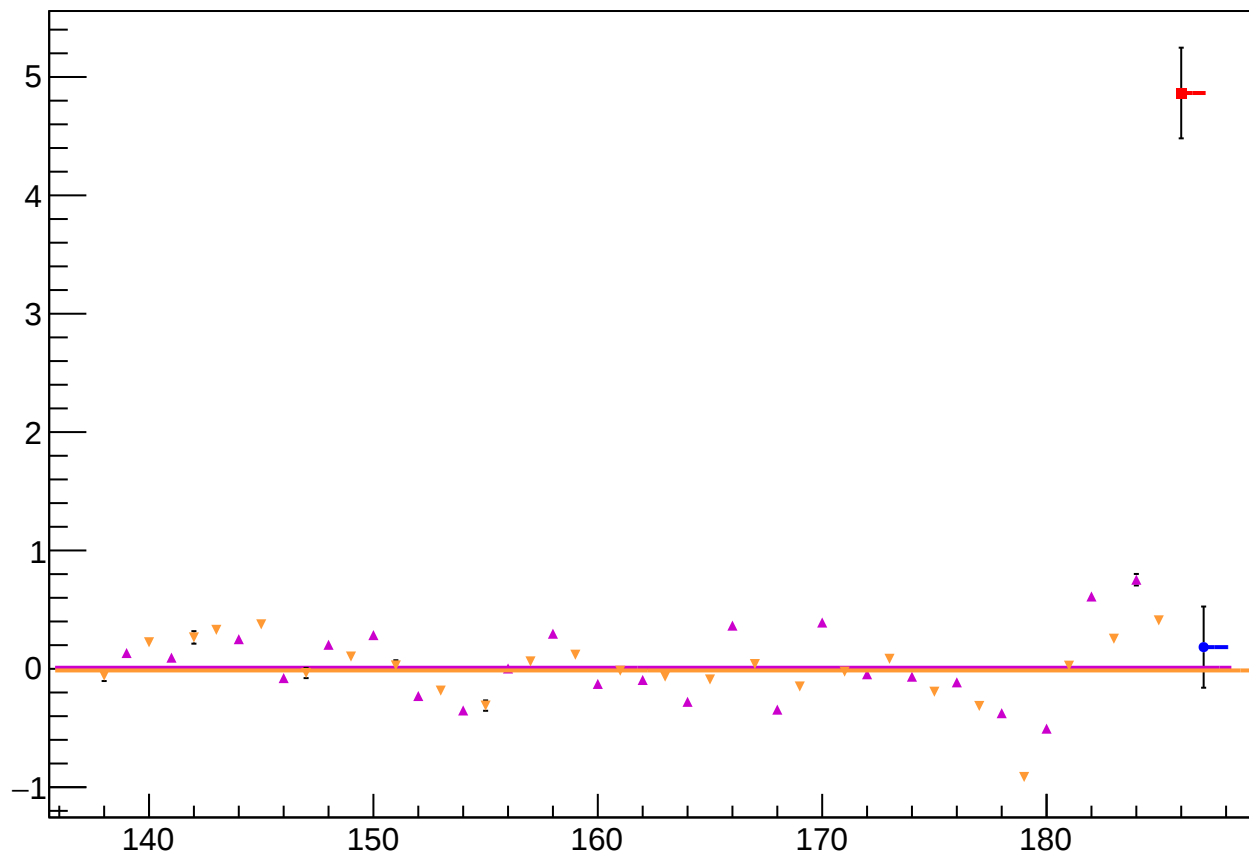
Left In: 53.724+/-0.143 χ^2/NDF : 4585.7/22

+ sign 54.473+/-0.140 χ^2/NDF : 6268.0/25

All: 54.118+/-0.100 χ^2/NDF : 10912.2/49

- sign 53.748+/-0.143 χ^2/NDF : 4631.1/23

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.183+/-0.343 χ^2/NDF : 0.0/0

Left Out: -0.014+/-0.006 χ^2/NDF :1654.7/24

Right Out: 4.865+/-0.383 χ^2/NDF : 0.0/0

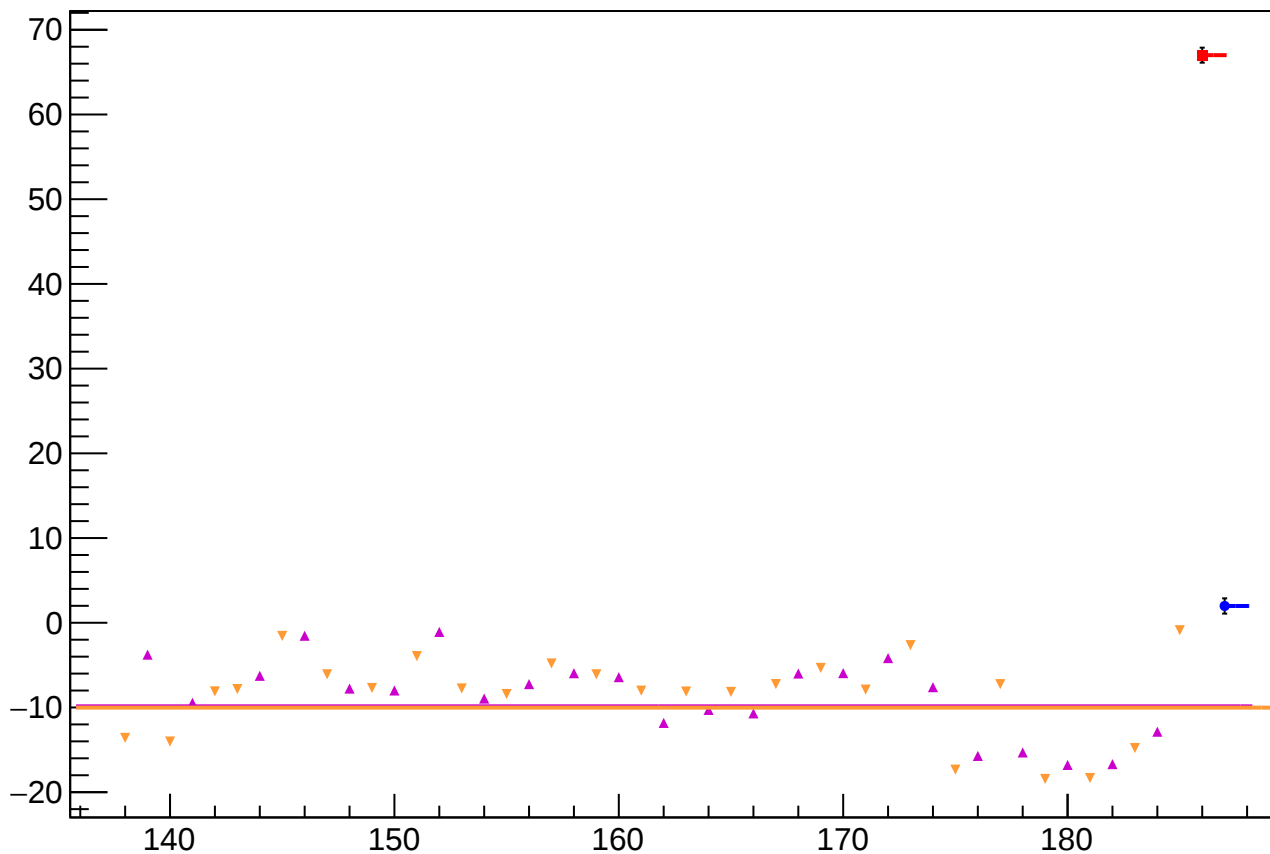
Left In: 0.009+/-0.007 χ^2/NDF :2220.5/22

+ sign -0.014+/-0.006 χ^2/NDF : 1655.1/25

All: -0.002+/-0.005 χ^2/NDF : 4043.1/49

- sign 0.010+/-0.007 χ^2/NDF : 2381.2/23

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 1.981 ± 0.902 χ^2/NDF : 0.0/0

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 67.003 ± 0.885 χ^2/NDF : 0.0/0

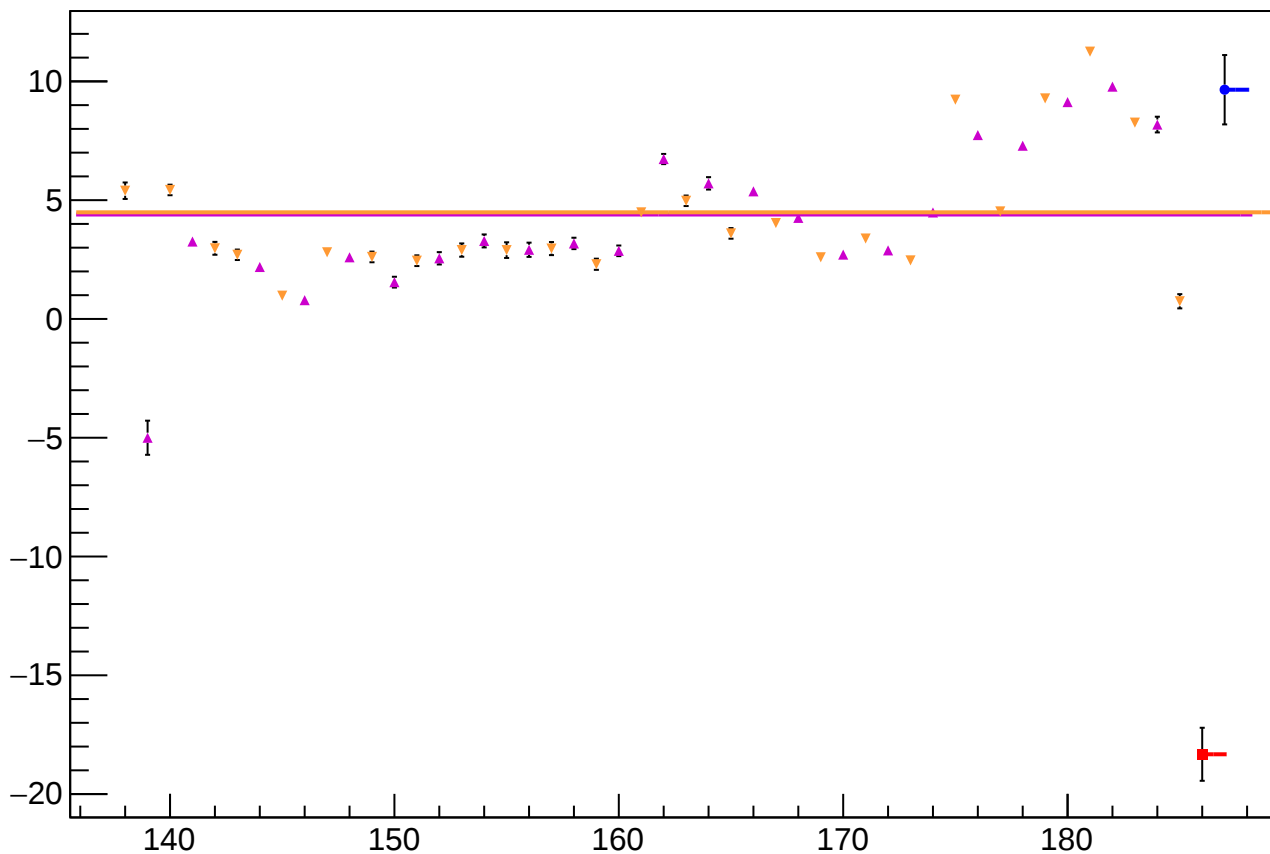
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.979 ± 0.051 χ^2/NDF : 12729.2/25

All: -9.796 ± 0.036 χ^2/NDF : 29622.6/49

- sign -9.607 ± 0.051 χ^2/NDF : 16866.7/23

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 9.649 $\pm$ 1.460 χ^2 /NDF: 0.0/0

Left Out: 4.489 $\pm$ 0.041 χ^2 /NDF: 4832.3/24

Right Out: -18.325 $\pm$ 1.116 χ^2 /NDF: 0.0/0

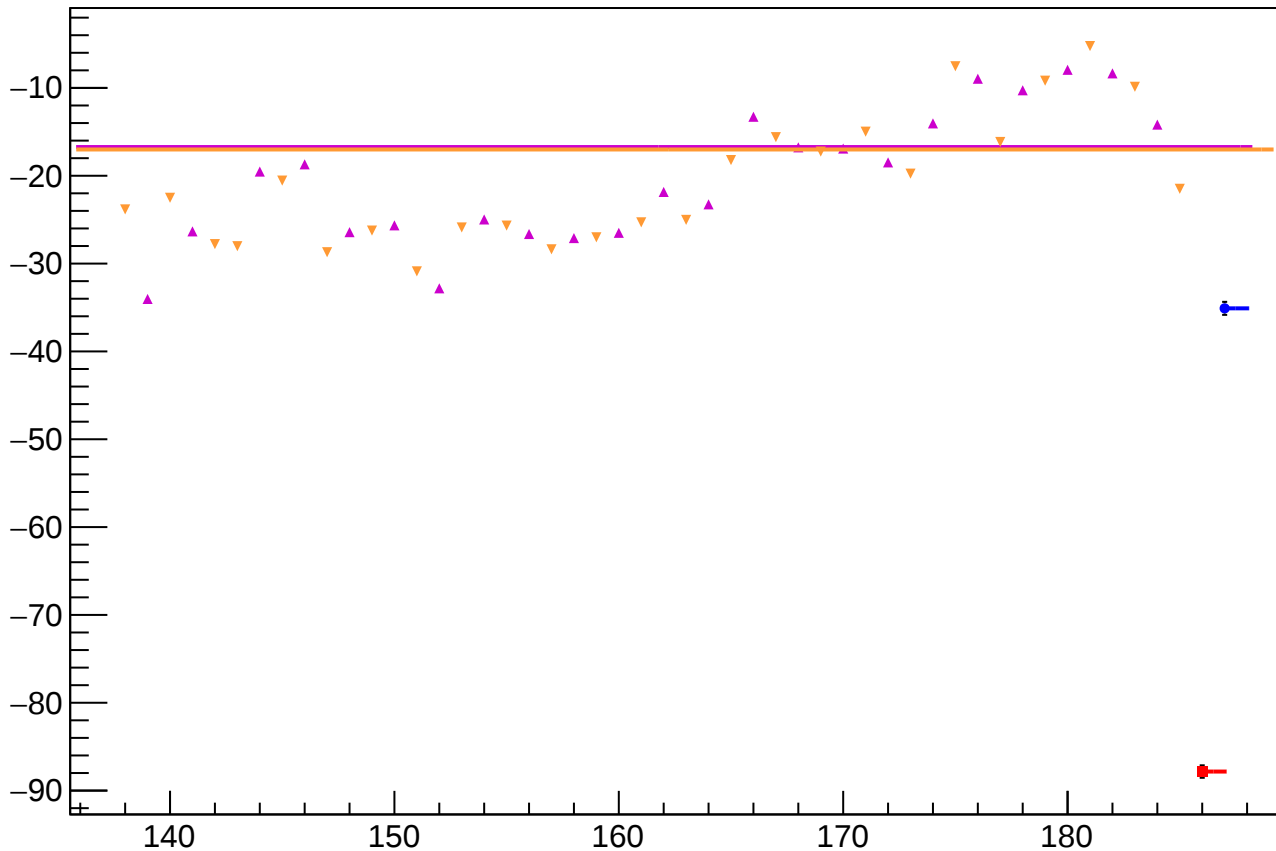
Left In: 4.396 $\pm$ 0.041 χ^2 /NDF: 4230.4/22

+ sign 4.493 $\pm$ 0.041 χ^2 /NDF: 4844.8/25

All: 4.430 $\pm$ 0.029 χ^2 /NDF: 9493.9/49

- sign 4.365 $\pm$ 0.041 χ^2 /NDF: 4644.2/23

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -35.096 $\pm$ 0.741 χ^2 /NDF: 0.0/0

Left Out: -17.008 $\pm$ 0.051 χ^2 /NDF: 22094.7/24

Right Out: -87.833 $\pm$ 0.711 χ^2 /NDF: 0.0/0

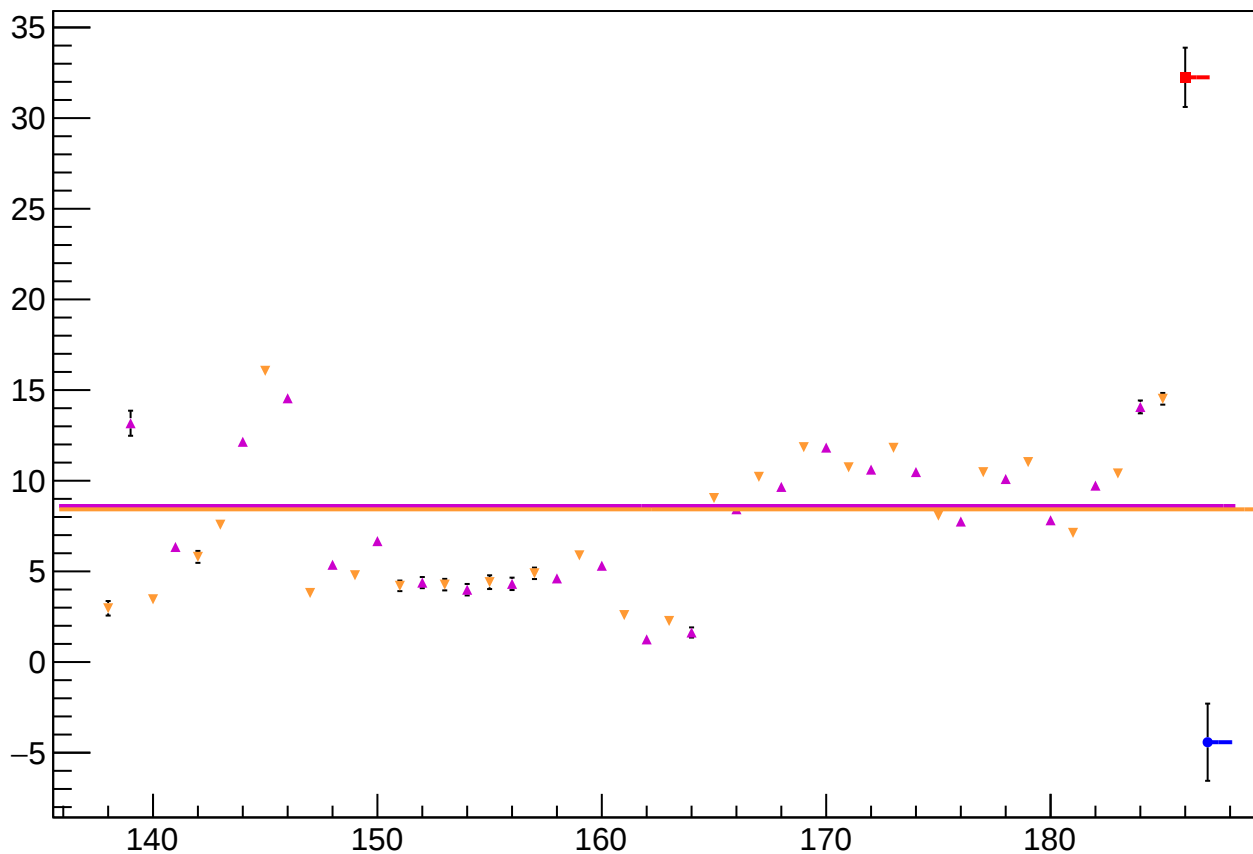
Left In: -16.732 $\pm$ 0.052 χ^2 /NDF: 18777.2/22

+ sign -17.094 $\pm$ 0.051 χ^2 /NDF: 22687.1/25

All: -17.099 $\pm$ 0.036 χ^2 /NDF: 51414.7/49

- sign -17.103 $\pm$ 0.051 χ^2 /NDF: 28727.6/23

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -4.422 $\pm$ 2.128 χ^2 /NDF: 0.0/0

Left Out: 8.422 $\pm$ 0.046 χ^2 /NDF: 6470.1/24

Right Out: 32.250 $\pm$ 1.635 χ^2 /NDF: 0.0/0

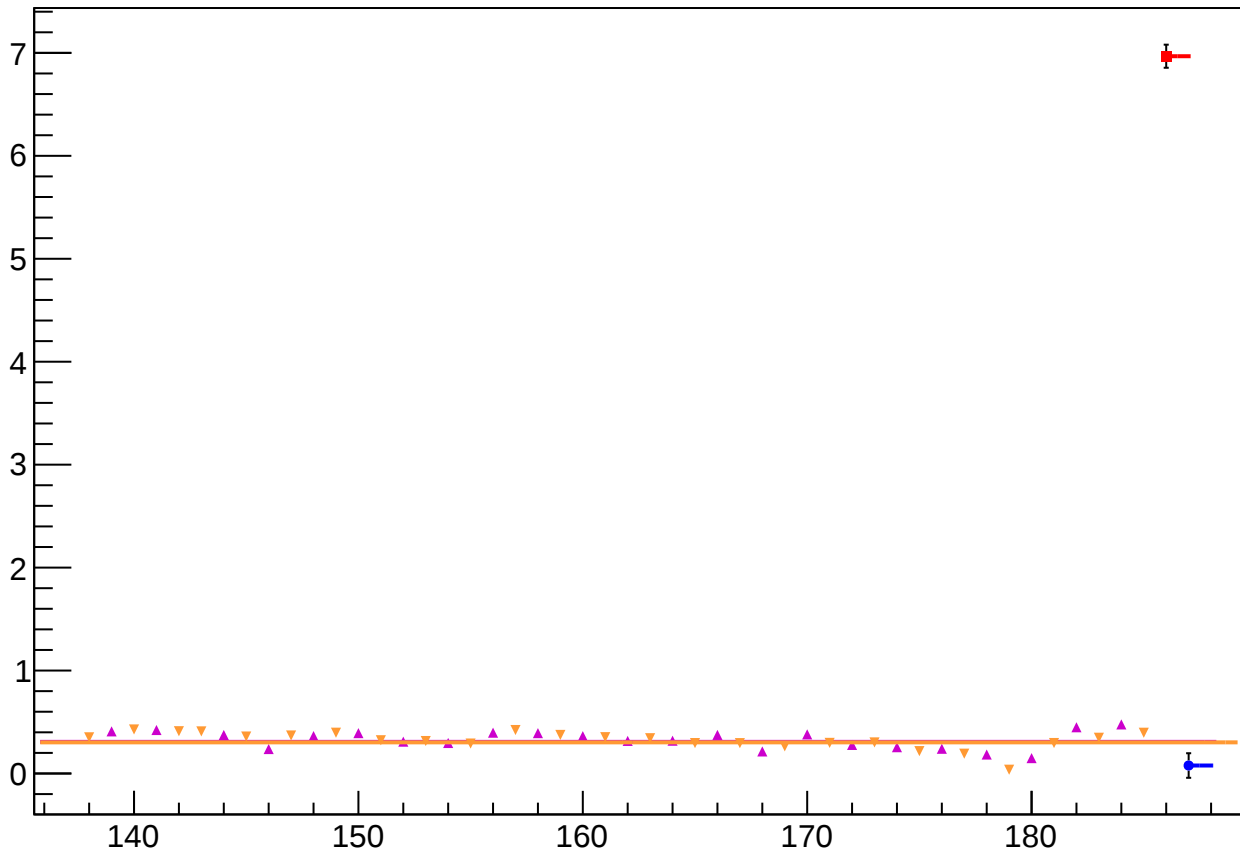
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF: 5504.2/22

+ sign 8.416 $\pm$ 0.046 χ^2 /NDF: 6506.5/25

All: 8.519 $\pm$ 0.032 χ^2 /NDF: 12230.0/49

- sign 8.625 $\pm$ 0.046 χ^2 /NDF: 5713.1/23

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.078 $\pm$ 0.119 χ^2 /NDF: 0.0/0

Left Out: 0.302 $\pm$ 0.002 χ^2 /NDF:1590.9/24

Right Out: 6.968 $\pm$ 0.112 χ^2 /NDF: 0.0/0

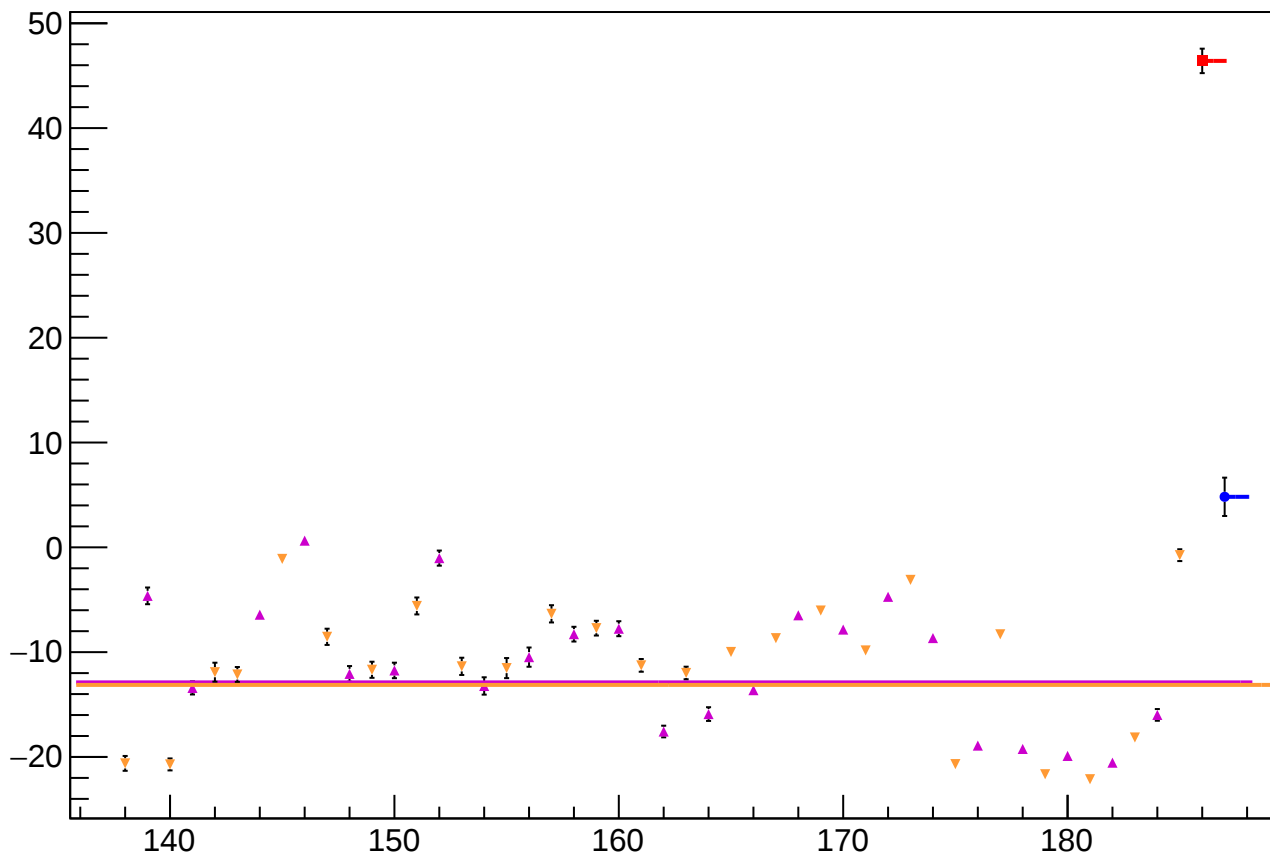
Left In: 0.307 $\pm$ 0.002 χ^2 /NDF:1699.5/22

+ sign 0.302 $\pm$ 0.002 χ^2 /NDF: 1594.5/25

All: 0.306 $\pm$ 0.001 χ^2 /NDF: 6823.1/49

- sign 0.310 $\pm$ 0.002 χ^2 /NDF: 5222.7/23

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 4.820 ± 1.829 χ^2/NDF : 0.0/0

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: 46.411 ± 1.167 χ^2/NDF : 0.0/0

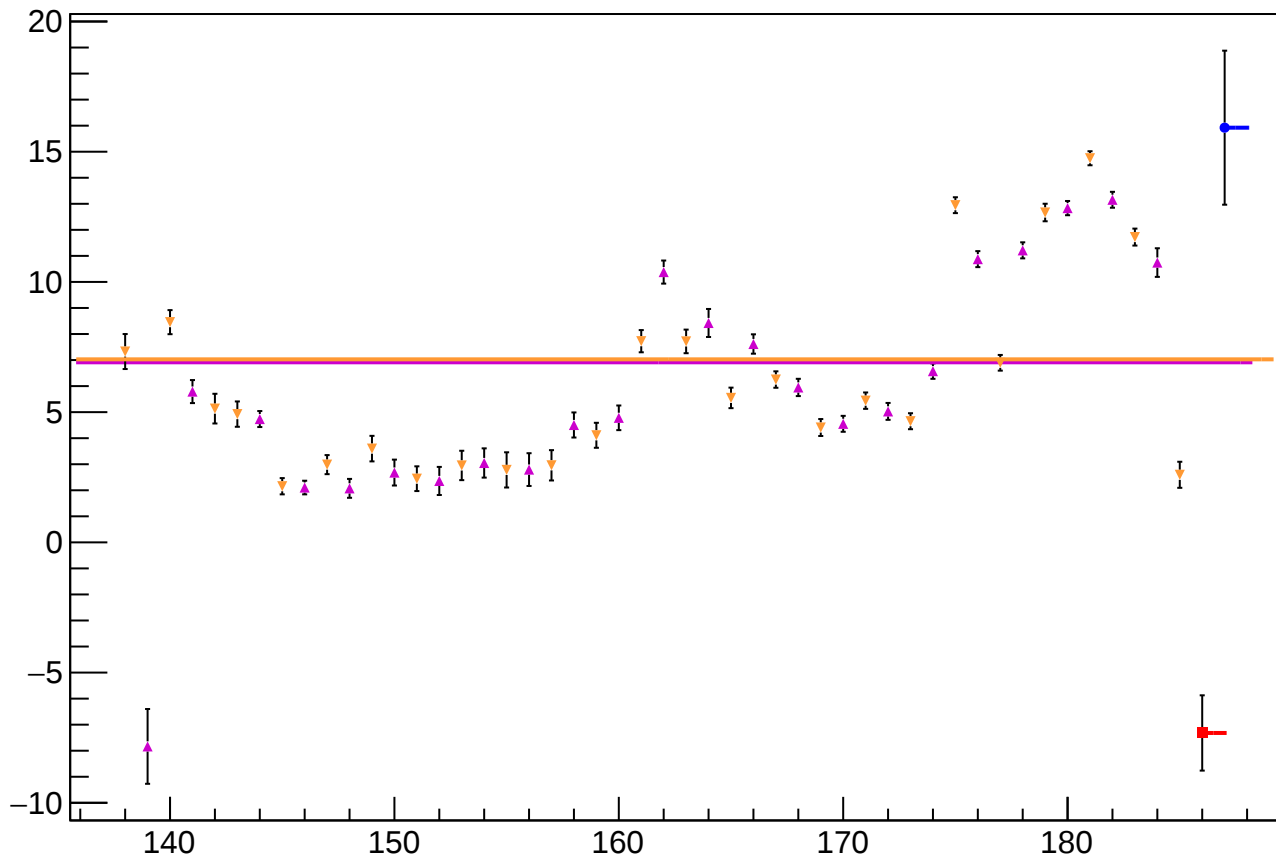
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -13.078 ± 0.094 χ^2/NDF : 6073.6/25

All: -12.790 ± 0.067 χ^2/NDF : 13436.0/49

- sign -12.494 ± 0.095 χ^2/NDF : 7343.1/23

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 15.923+/-2.957 χ^2 /NDF: 0.0/0

Left Out: 7.028+/-0.077 χ^2 /NDF:2665.3/24

Right Out: -7.318+/-1.446 χ^2 /NDF: 0.0/0

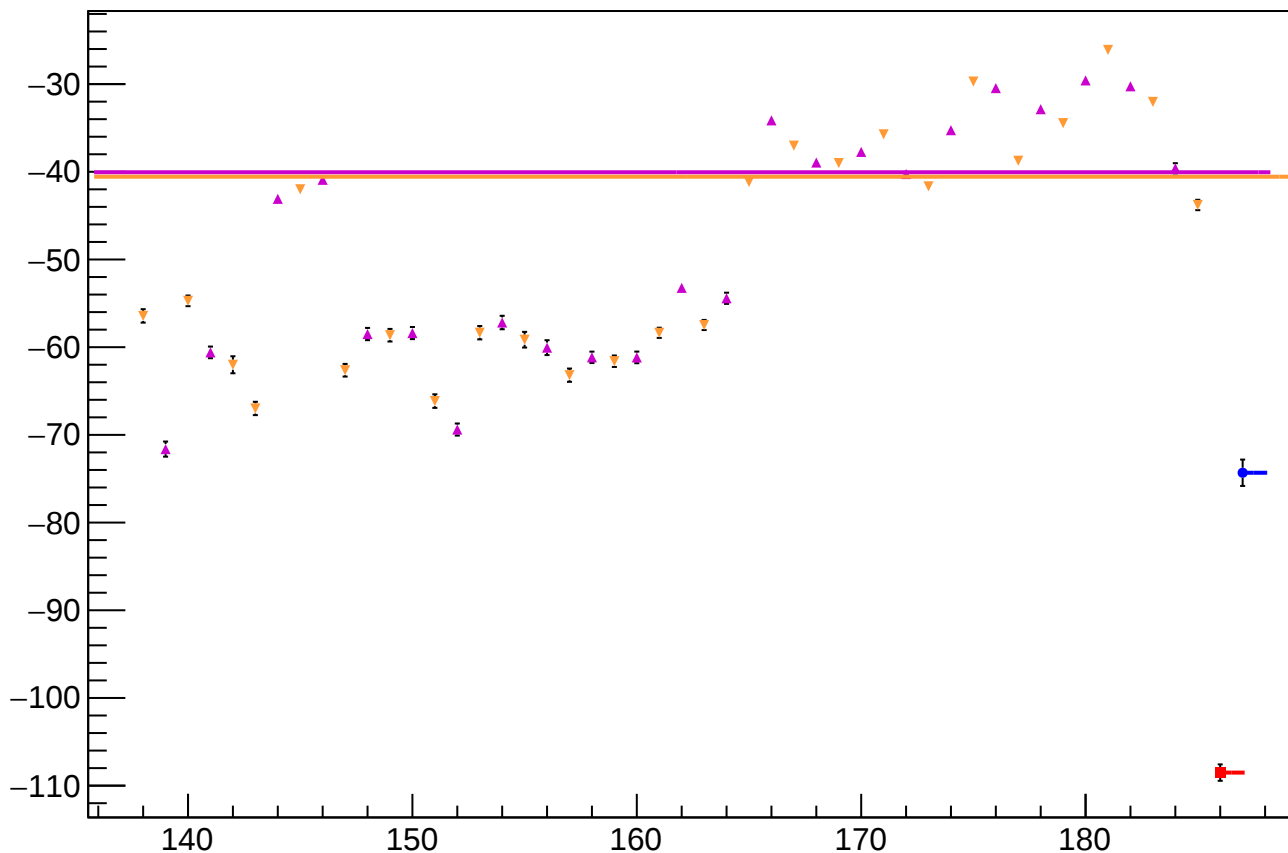
Left In: 6.914+/-0.078 χ^2 /NDF:2428.2/22

+ sign 7.034+/-0.077 χ^2 /NDF: 2674.4/25

All: 6.954+/-0.055 χ^2 /NDF: 5201.4/49

- sign 6.873+/-0.078 χ^2 /NDF: 2524.9/23

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -74.319 ± 1.503 χ^2/NDF : 0.0/0

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -108.510 ± 0.936 χ^2/NDF : 0.0/0

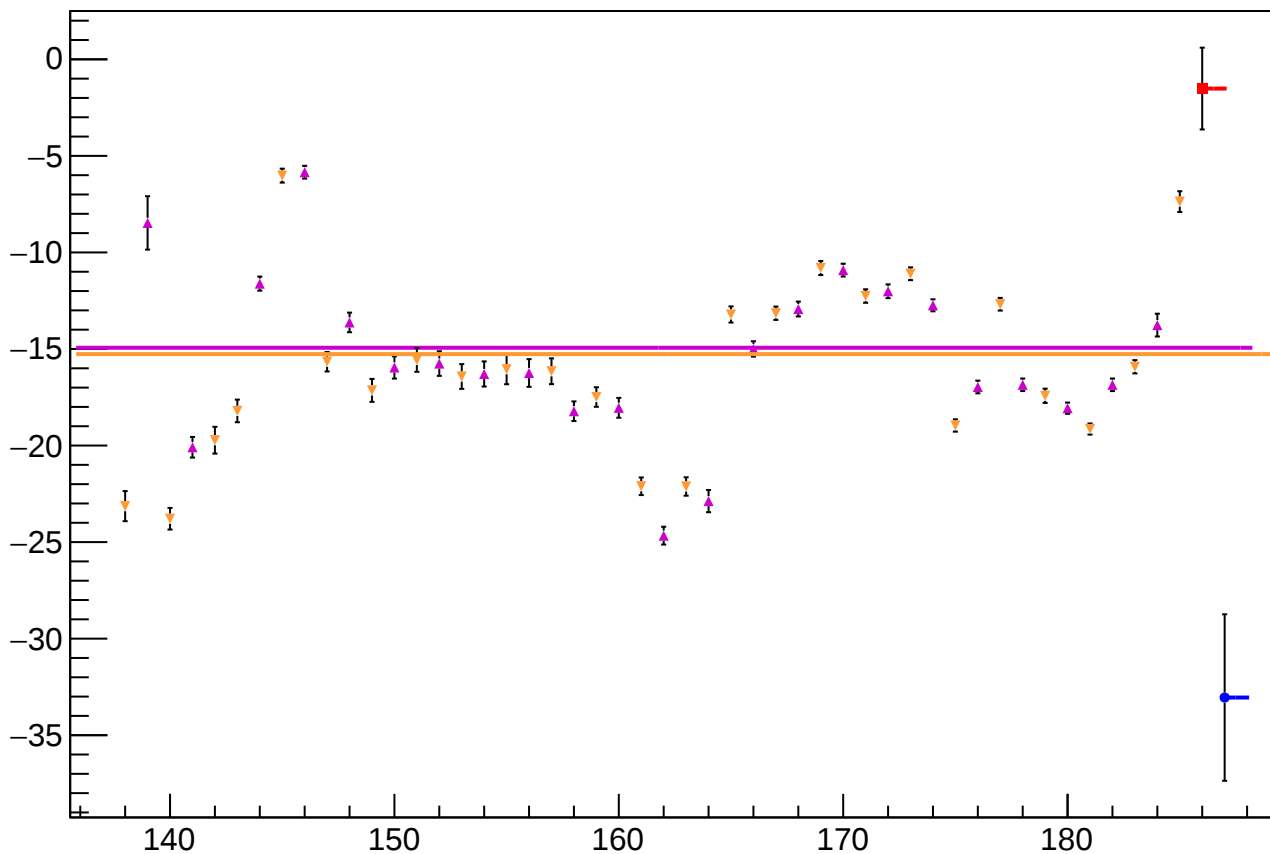
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -40.696 ± 0.095 χ^2/NDF : 16139.9/25

All: -40.729 ± 0.067 χ^2/NDF : 35365.4/49

- sign -40.761 ± 0.095 χ^2/NDF : 19225.3/23

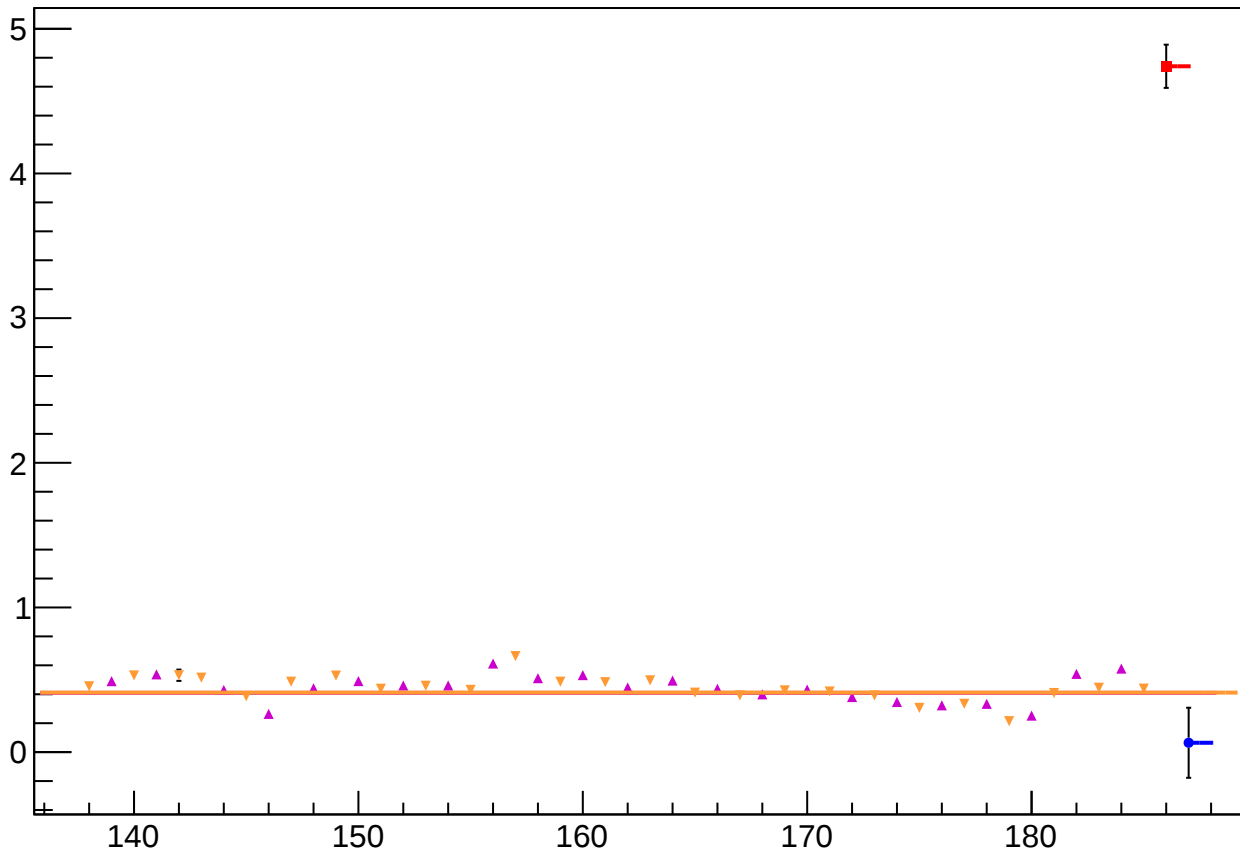
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -33.050 $\pm$ 4.311 χ^2 /NDF: 0.0/0
 Left Out: -15.266 $\pm$ 0.086 χ^2 /NDF:2595.5/24
 Right Out: -1.514 $\pm$ 2.118 χ^2 /NDF: 0.0/0
 Left In: -14.936 $\pm$ 0.087 χ^2 /NDF:2199.7/22

+ sign -15.273 $\pm$ 0.086 χ^2 /NDF: 2612.5/25
 All: -15.095 $\pm$ 0.061 χ^2 /NDF: 4860.9/49
 - sign -14.914 $\pm$ 0.087 χ^2 /NDF: 2239.8/23

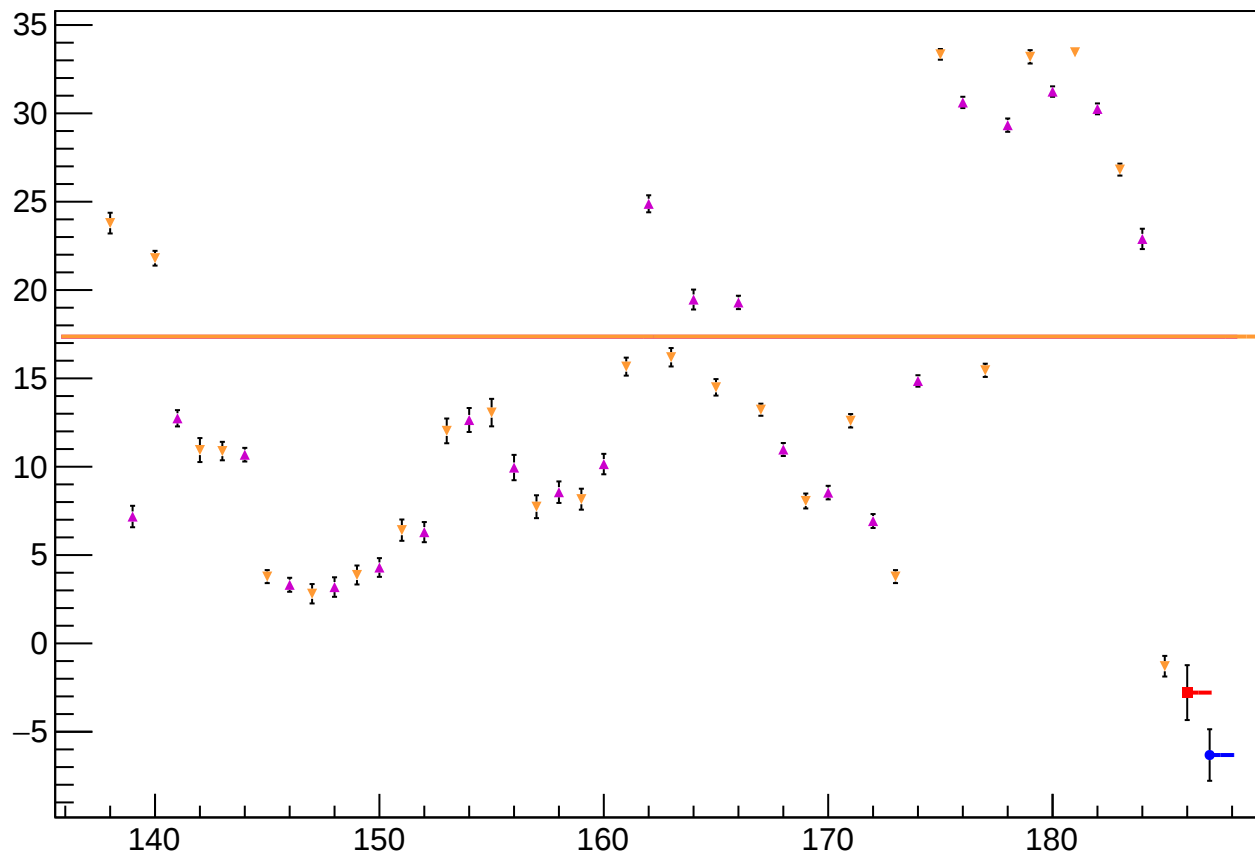
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.065 $\pm$ 0.242 χ^2 /NDF: 0.0/0
 Left Out: 0.411 $\pm$ 0.004 χ^2 /NDF:428.7/24
 Right Out: 4.741 $\pm$ 0.149 χ^2 /NDF: 0.0/0
 Left In: 0.409 $\pm$ 0.004 χ^2 /NDF:557.8/22

+ sign 0.411 $\pm$ 0.004 χ^2 /NDF: 430.7/25
 All: 0.412 $\pm$ 0.003 χ^2 /NDF: 1828.9/49
 - sign 0.413 $\pm$ 0.004 χ^2 /NDF: 1398.1/23

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: -6.318 $\pm$ 1.459 χ^2 /NDF: 0.0/0

Left Out: 17.367 $\pm$ 0.087 χ^2 /NDF:16337.6/24

Right Out: -2.785 $\pm$ 1.554 χ^2 /NDF: 0.0/0

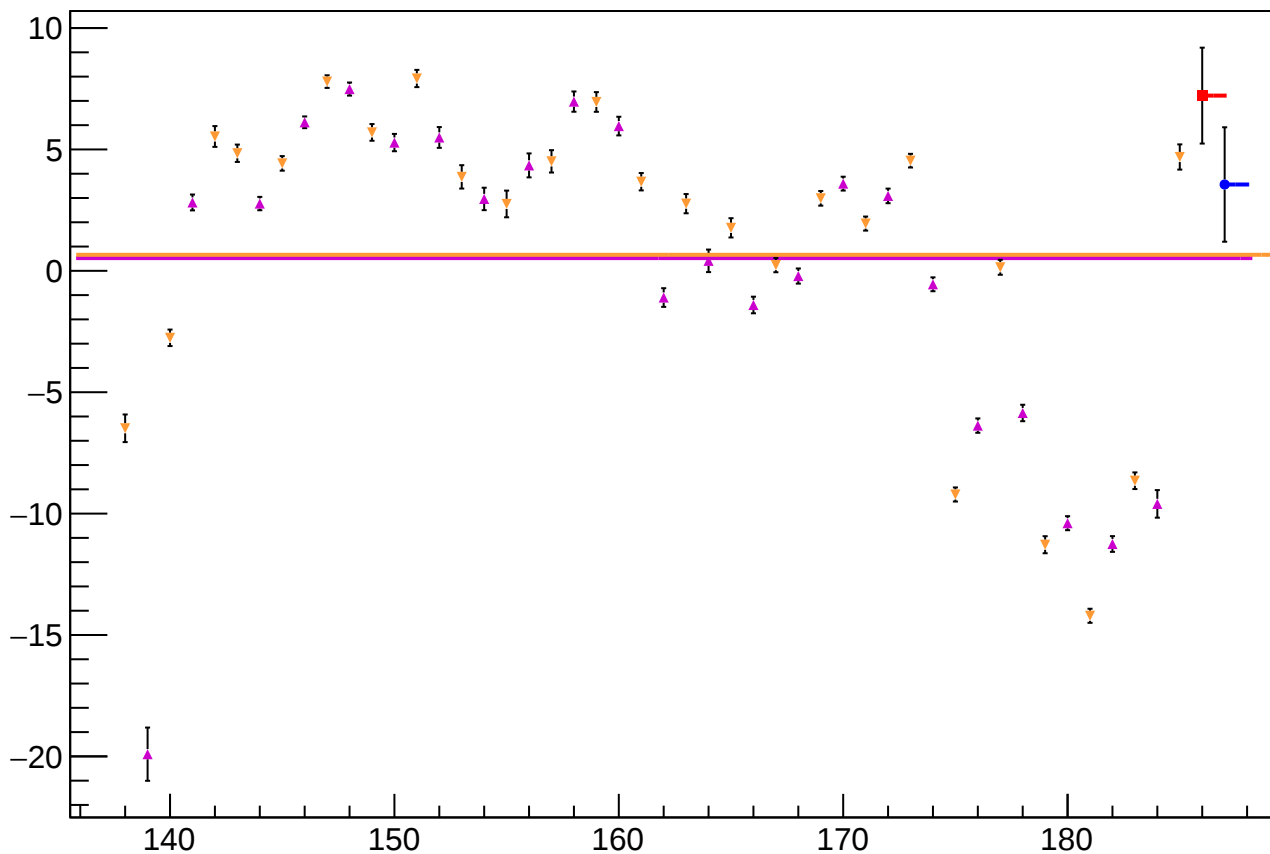
Left In: 17.355 $\pm$ 0.089 χ^2 /NDF:12745.1/22

+ sign 17.283 $\pm$ 0.087 χ^2 /NDF: 16600.4/25

All: 17.286 $\pm$ 0.062 χ^2 /NDF: 29513.0/49

- sign 17.289 $\pm$ 0.089 χ^2 /NDF: 12912.6/23

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 3.556 $\pm$ 2.357 χ^2 /NDF: 0.0/0

Left Out: 0.661 $\pm$ 0.069 χ^2 /NDF:8553.9/24

Right Out: 7.217 $\pm$ 1.975 χ^2 /NDF: 0.0/0

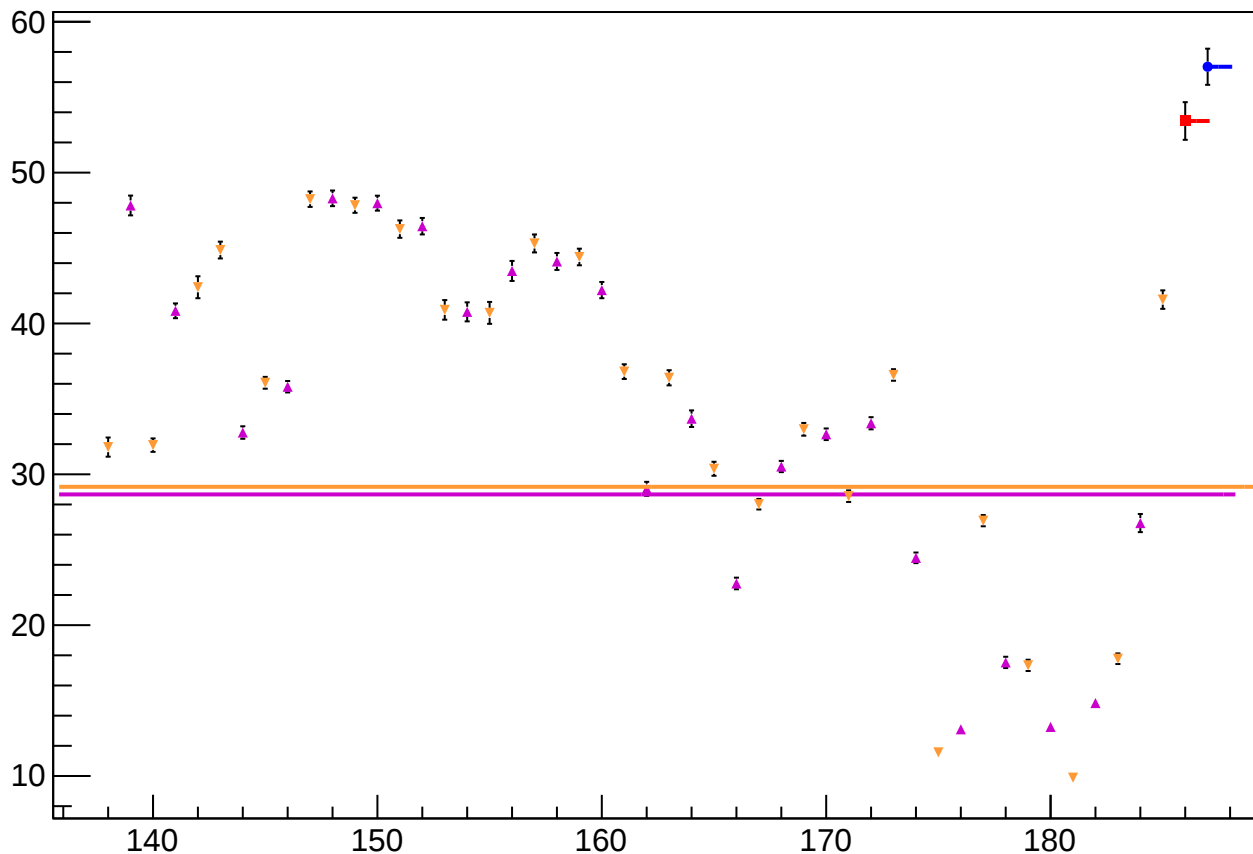
Left In: 0.524 $\pm$ 0.071 χ^2 /NDF:6729.7/22

+ sign 0.663 $\pm$ 0.069 χ^2 /NDF: 8555.4/25

All: 0.599 $\pm$ 0.050 χ^2 /NDF: 15298.3/49

- sign 0.532 $\pm$ 0.071 χ^2 /NDF: 6741.2/23

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 57.019+/-1.199 χ^2 /NDF: 0.0/0

Left Out: 29.171+/-0.088 χ^2 /NDF:18974.7/24

Right Out: 53.423+/-1.248 χ^2 /NDF: 0.0/0

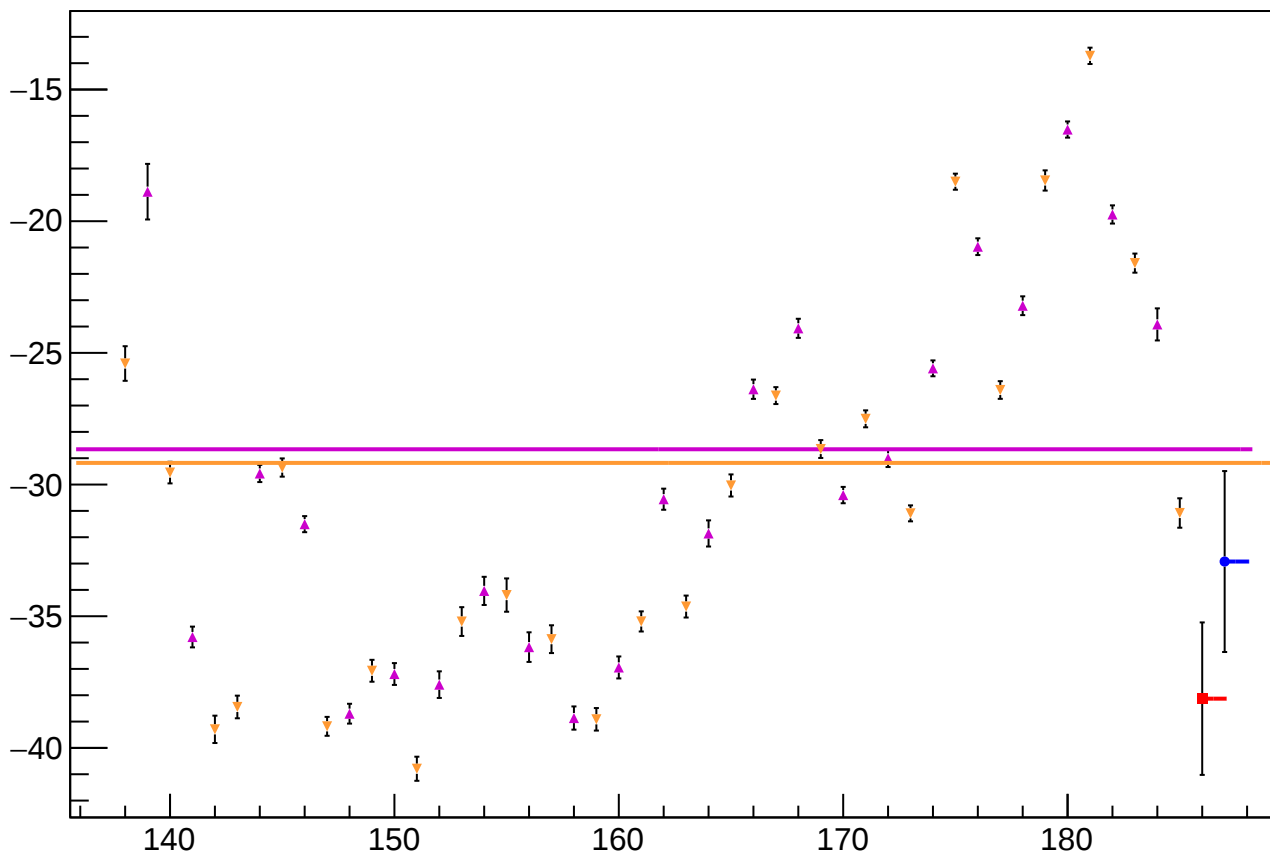
Left In: 28.667+/-0.089 χ^2 /NDF:16847.2/22

+ sign 29.319+/-0.088 χ^2 /NDF: 19511.2/25

All: 29.060+/-0.062 χ^2 /NDF: 36767.7/49

- sign 28.793+/-0.089 χ^2 /NDF: 17238.6/23

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -32.923 ± 3.435 χ^2/NDF : 0.0/0

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -38.130 ± 2.895 χ^2/NDF : 0.0/0

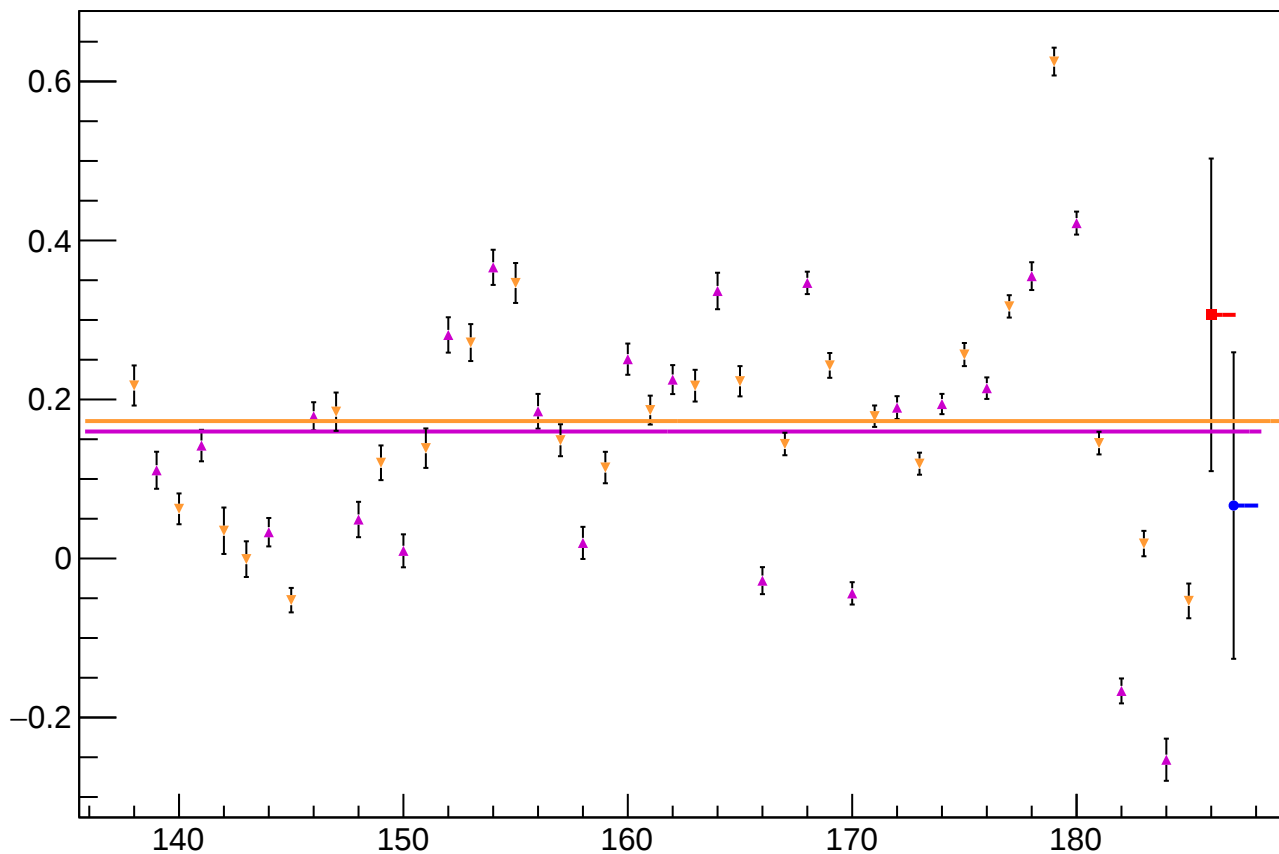
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -29.180 ± 0.078 χ^2/NDF : 9082.6/25

All: -28.929 ± 0.056 χ^2/NDF : 15784.4/49

- sign -28.667 ± 0.080 χ^2/NDF : 6680.8/23

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.067 $\pm$ 0.193 χ^2 /NDF: 0.0/0

Left Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1478.5/24

Right Out: 0.306 $\pm$ 0.197 χ^2 /NDF: 0.0/0

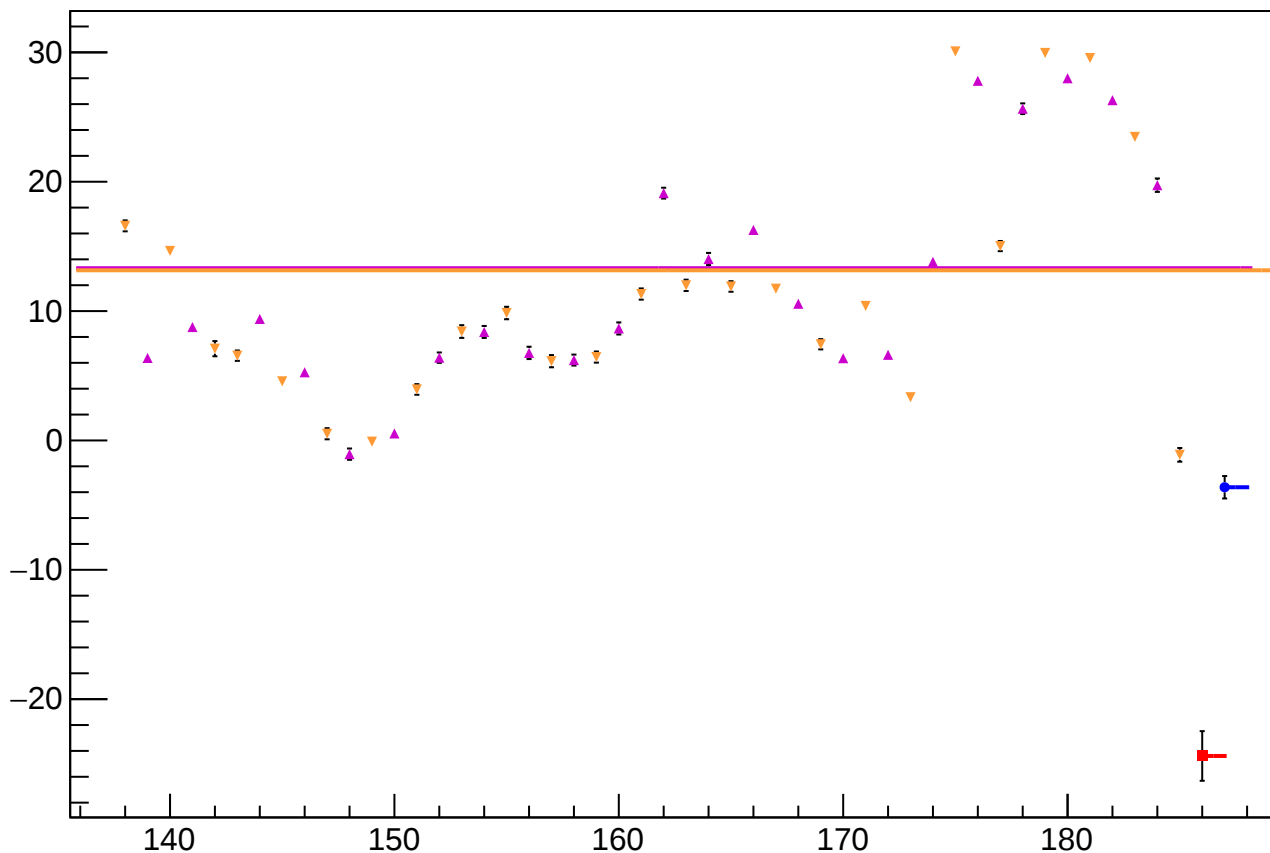
Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:2057.9/22

+ sign 0.173 $\pm$ 0.004 χ^2 /NDF: 1478.8/25

All: 0.166 $\pm$ 0.003 χ^2 /NDF: 3543.7/49

- sign 0.160 $\pm$ 0.004 χ^2 /NDF: 2058.5/23

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: -3.618+/-0.867 χ^2/NDF : 0.0/0

Left Out: 13.153+/-0.075 χ^2/NDF : 17079.7/24

Right Out: -24.391+/-1.919 χ^2/NDF : 0.0/0

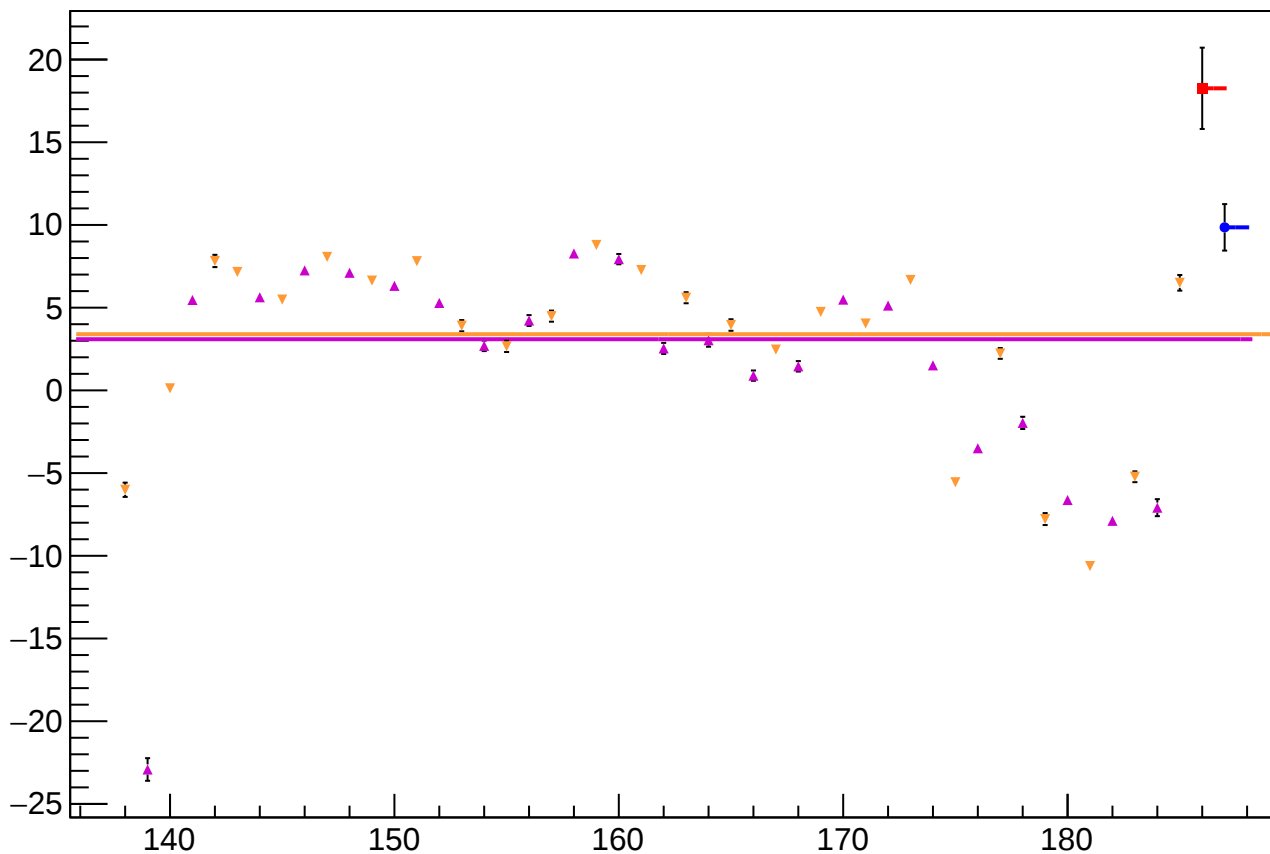
Left In: 13.315+/-0.077 χ^2/NDF : 13977.7/22

+ sign 13.028+/-0.075 χ^2/NDF : 17450.9/25

All: 13.138+/-0.054 χ^2/NDF : 31818.4/49

- sign 13.254+/-0.077 χ^2/NDF : 14363.0/23

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 9.855 $\pm$ 1.405 χ^2 /NDF: 0.0/0

Left Out: 3.396 $\pm$ 0.058 χ^2 /NDF: 8101.5/24

Right Out: 18.260 $\pm$ 2.457 χ^2 /NDF: 0.0/0

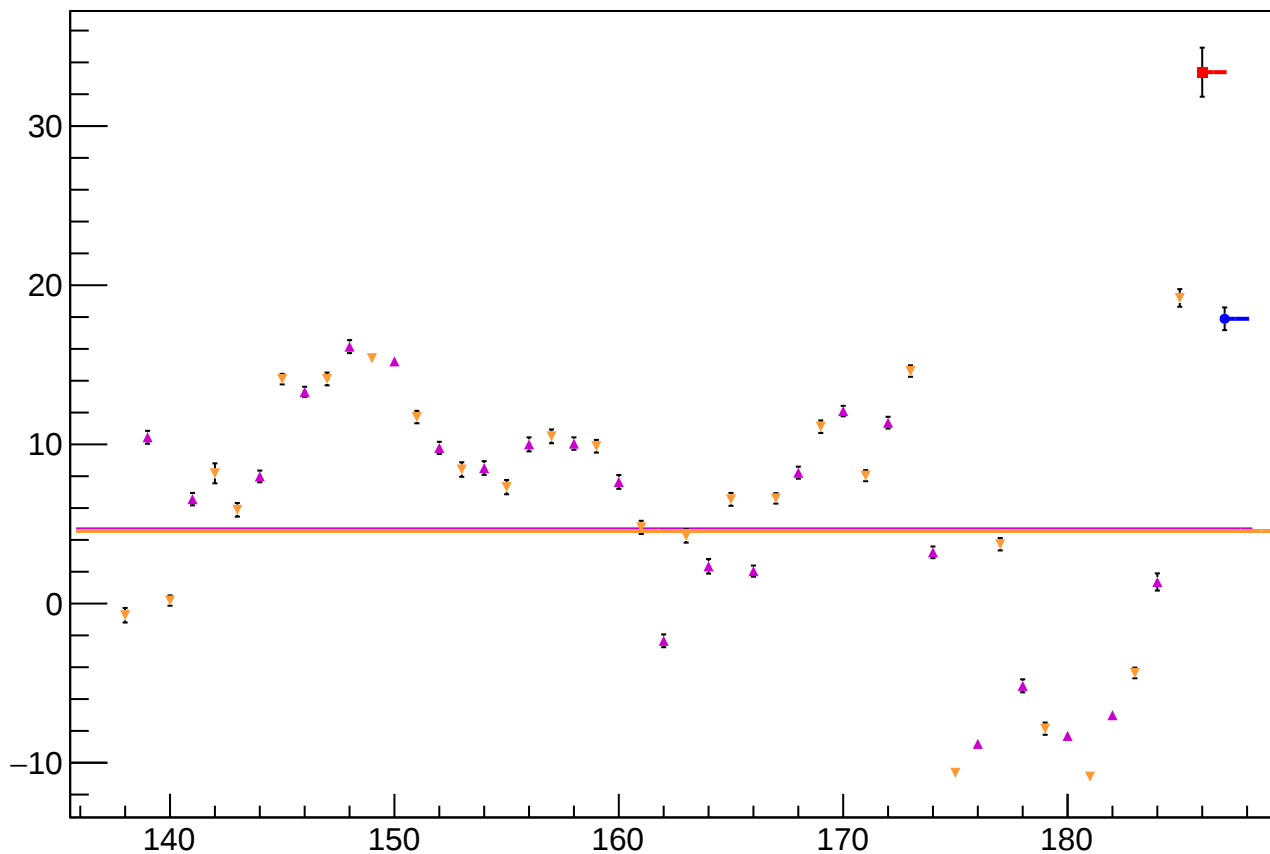
Left In: 3.092 $\pm$ 0.061 χ^2 /NDF: 7104.4/22

+ sign 3.407 $\pm$ 0.058 χ^2 /NDF: 8122.6/25

All: 3.260 $\pm$ 0.042 χ^2 /NDF: 15278.3/49

- sign 3.101 $\pm$ 0.061 χ^2 /NDF: 7142.5/23

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 17.892 $\pm$ 0.713 χ^2 /NDF: 0.0/0

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 33.385 $\pm$ 1.540 χ^2 /NDF: 0.0/0

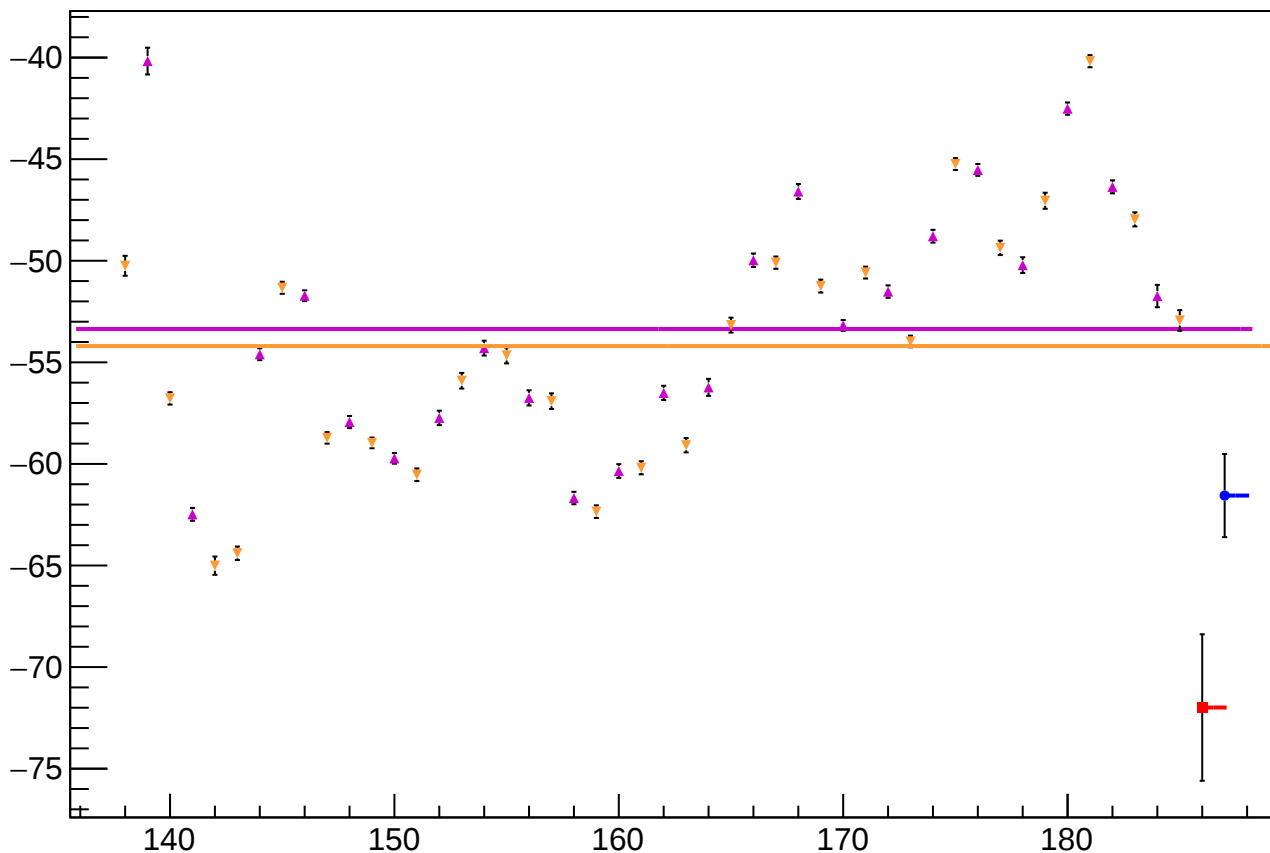
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 4.708 $\pm$ 0.075 χ^2 /NDF: 13937.5/25

All: 4.720 $\pm$ 0.054 χ^2 /NDF: 25566.0/49

- sign 4.733 $\pm$ 0.077 χ^2 /NDF: 11628.5/23

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -61.557 ± 2.047 χ^2/NDF : 0.0/0

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -71.990 ± 3.606 χ^2/NDF : 0.0/0

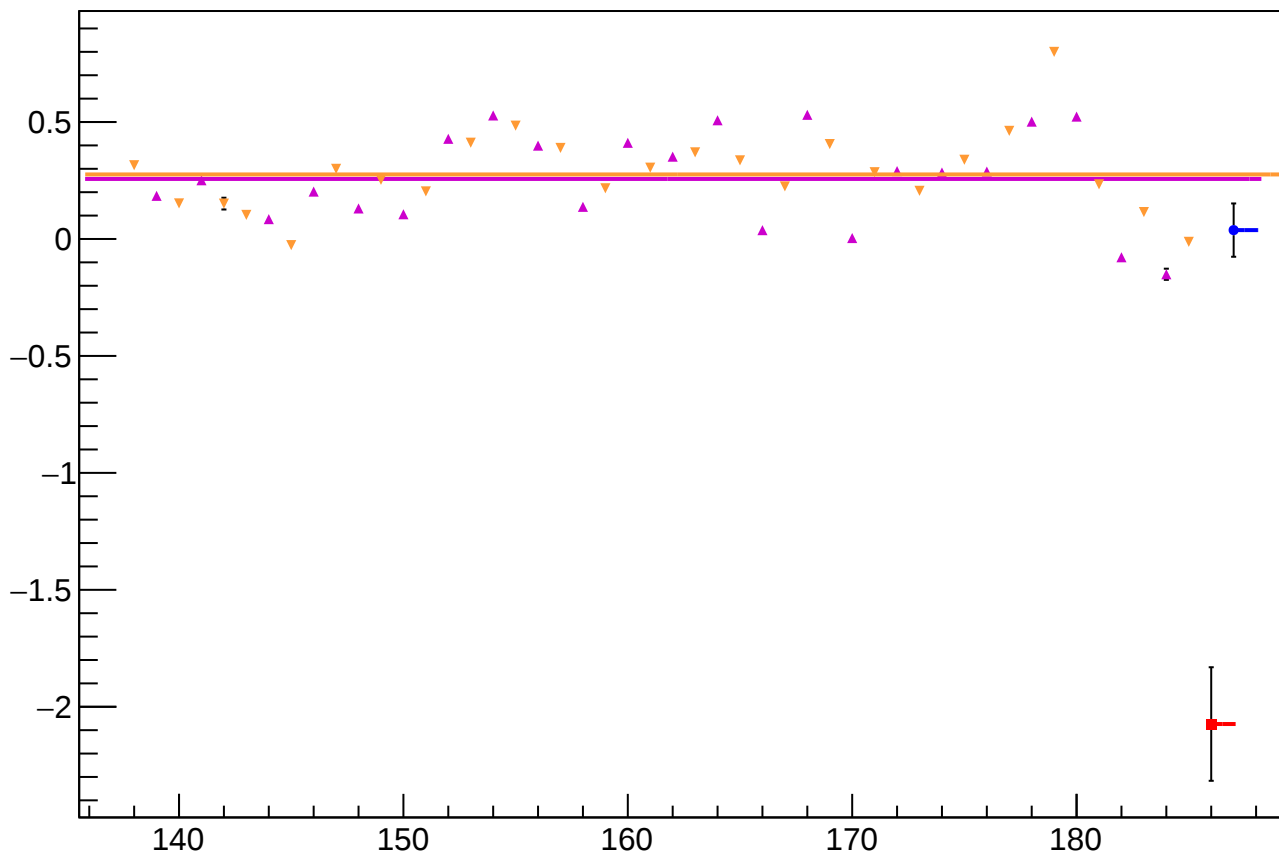
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -54.207 ± 0.066 χ^2/NDF : 8467.7/25

All: -53.799 ± 0.048 χ^2/NDF : 15454.2/49

- sign -53.366 ± 0.068 χ^2/NDF : 6908.7/23

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.038 $\pm$ 0.114 χ^2 /NDF: 0.0/0

Left Out: 0.276 $\pm$ 0.003 χ^2 /NDF:2623.6/24

Right Out: -2.074 $\pm$ 0.243 χ^2 /NDF: 0.0/0

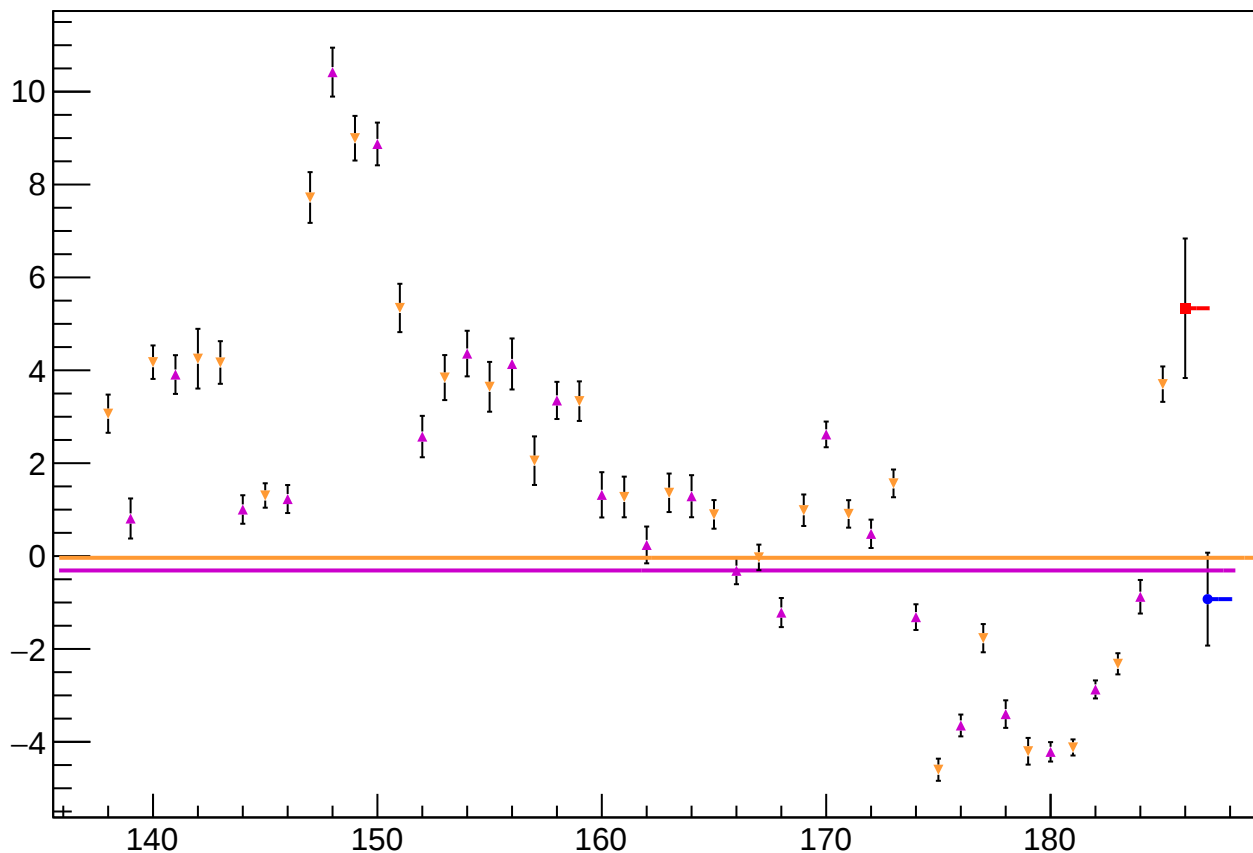
Left In: 0.257 $\pm$ 0.003 χ^2 /NDF:3623.9/22

+ sign 0.276 $\pm$ 0.003 χ^2 /NDF: 2627.9/25

All: 0.266 $\pm$ 0.002 χ^2 /NDF: 6363.9/49

- sign 0.256 $\pm$ 0.003 χ^2 /NDF: 3716.0/23

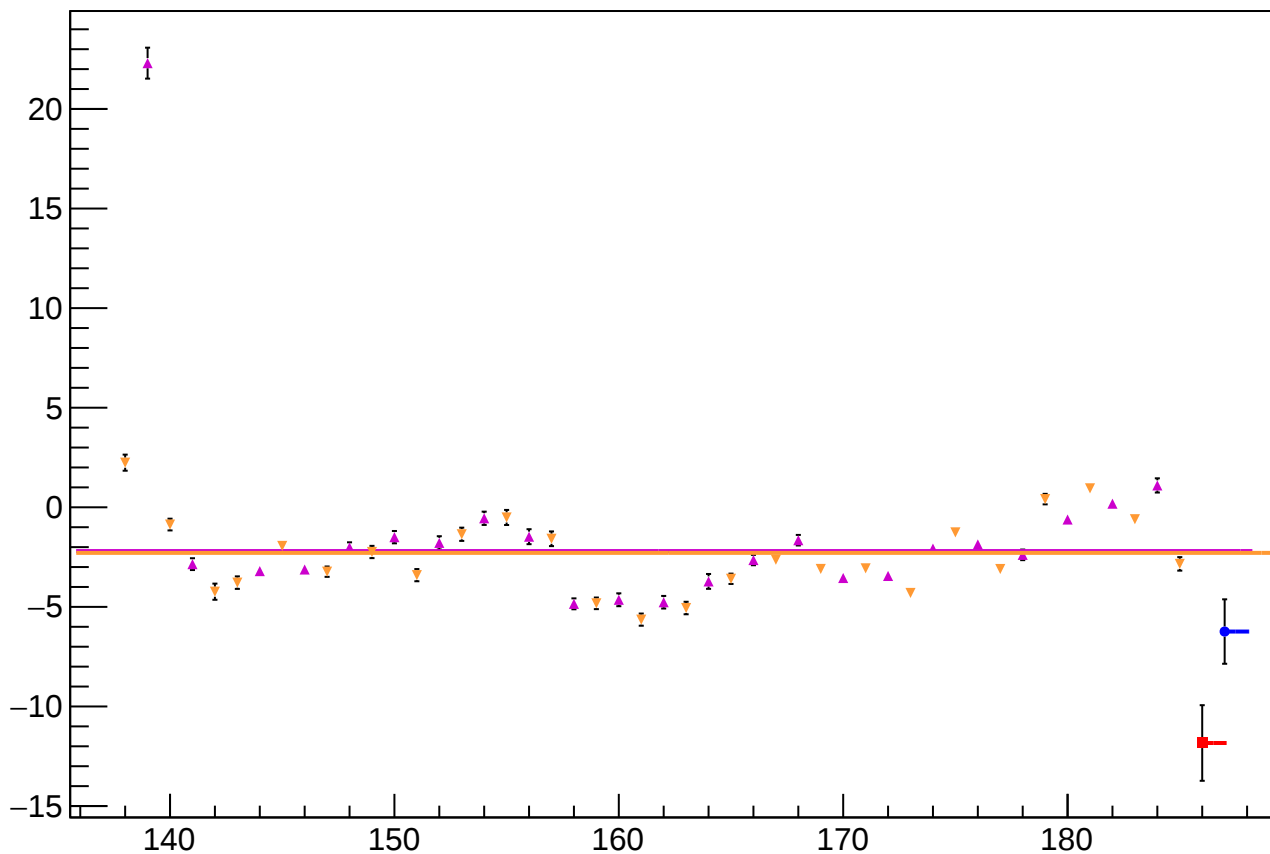
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.927 ± 1.000 χ^2/NDF : 0.0/0
 Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24
 Right Out: 5.336 ± 1.502 χ^2/NDF : 0.0/0
 Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign -0.041 ± 0.066 χ^2/NDF : 2638.4/25
 All: -0.167 ± 0.047 χ^2/NDF : 4910.5/49
 - sign -0.299 ± 0.067 χ^2/NDF : 2264.6/23

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -6.238+/-1.618 χ^2/NDF : 0.0/0

Left Out: -2.288+/-0.054 χ^2/NDF :1137.7/24

Right Out: -11.834+/-1.898 χ^2/NDF : 0.0/0

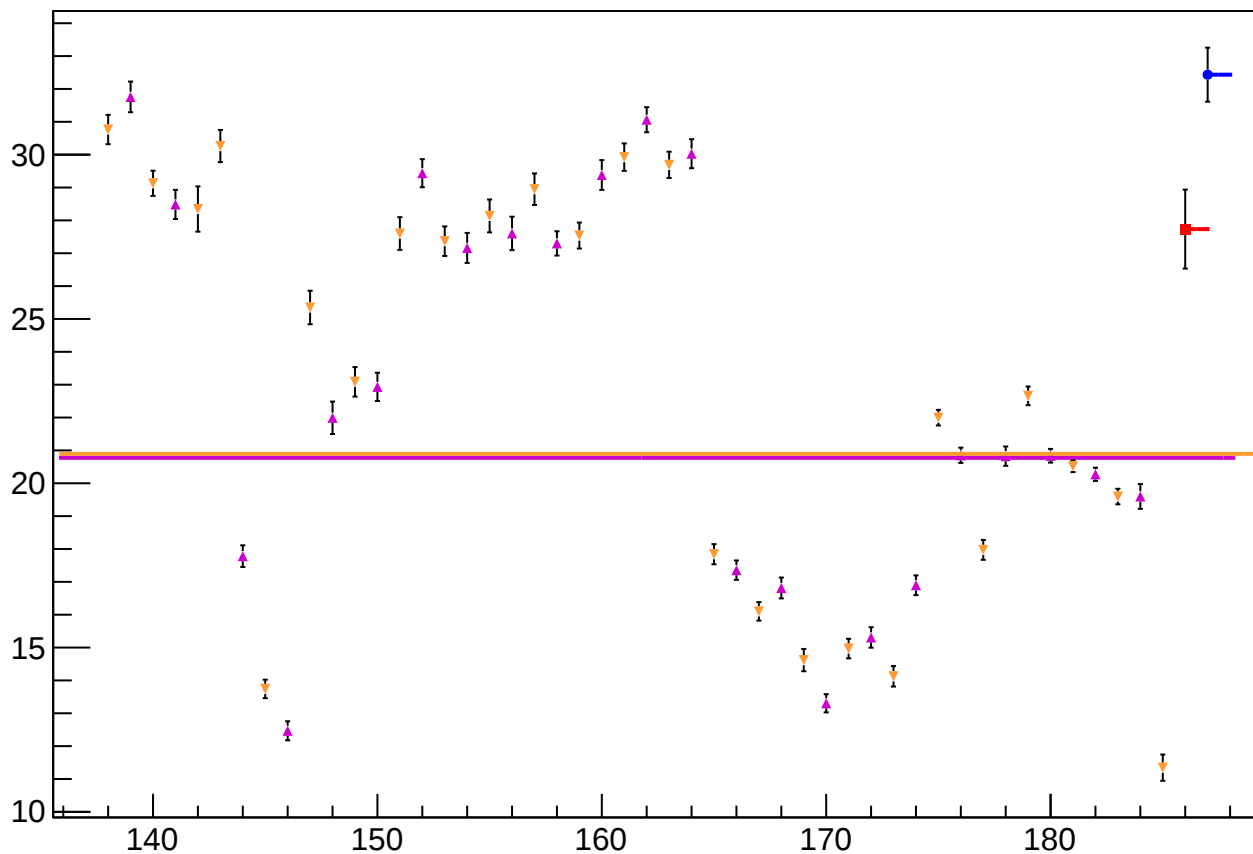
Left In: -2.198+/-0.055 χ^2/NDF :1673.9/22

+ sign -2.292+/-0.054 χ^2/NDF : 1143.7/25

All: -2.250+/-0.039 χ^2/NDF : 2844.6/49

- sign -2.206+/-0.055 χ^2/NDF : 1699.6/23

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 32.434 ± 0.822 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 20.894 ± 0.067 $\chi^2/\text{NDF}: 6655.4/24$

Right Out: 27.735 ± 1.202 $\chi^2/\text{NDF}: 0.0/0$

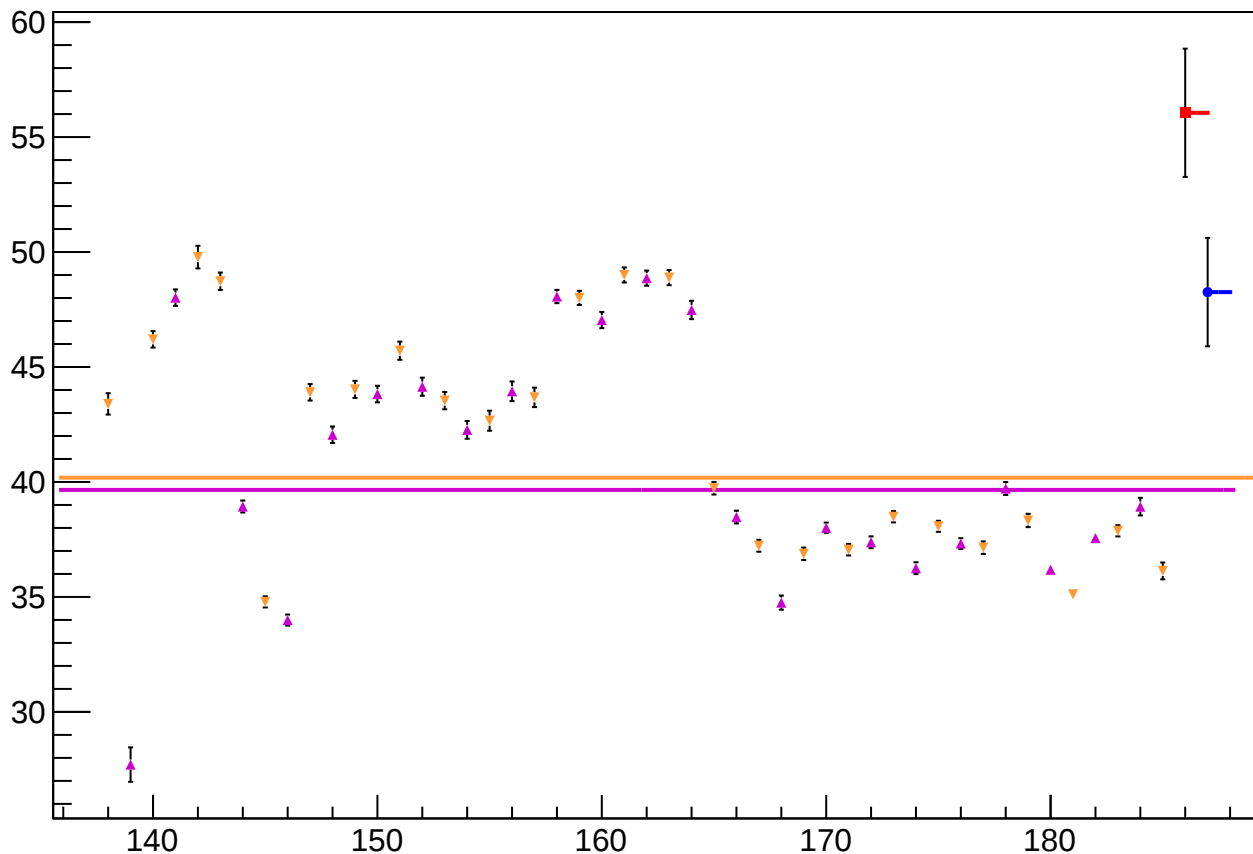
Left In: 20.774 ± 0.068 $\chi^2/\text{NDF}: 5927.9/22$

+ sign 20.970 ± 0.066 $\chi^2/\text{NDF}: 6851.1/25$

All: 20.884 ± 0.047 $\chi^2/\text{NDF}: 12815.8/49$

- sign 20.796 ± 0.067 $\chi^2/\text{NDF}: 5961.3/23$

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 48.257 $\pm$ 2.358 χ^2 /NDF: 0.0/0

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 56.055 $\pm$ 2.789 χ^2 /NDF: 0.0/0

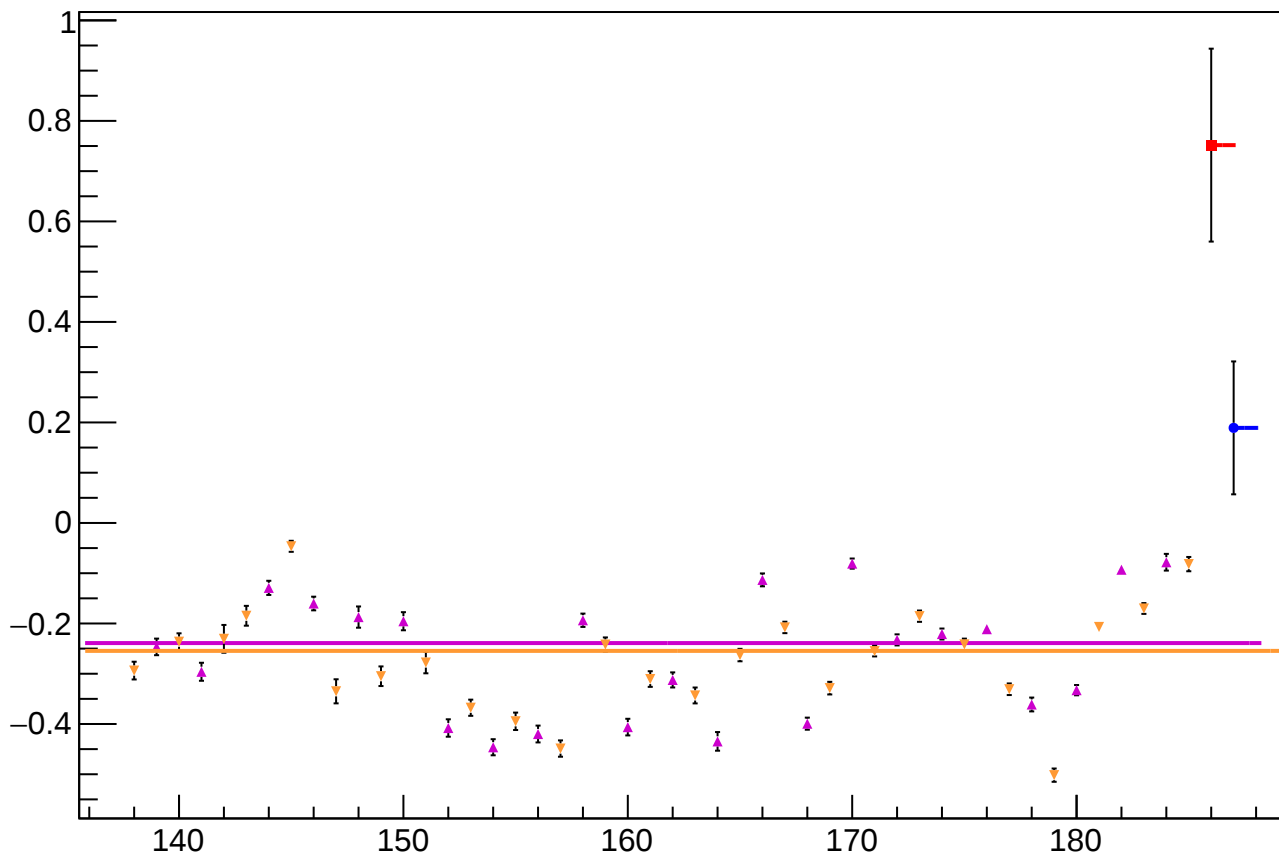
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.191 $\pm$ 0.060 χ^2 /NDF: 5944.4/25

All: 39.932 $\pm$ 0.043 χ^2 /NDF: 11315.1/49

- sign 39.663 $\pm$ 0.061 χ^2 /NDF: 5333.1/23

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.189 ± 0.132 χ^2/NDF : 0.0/0

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: 0.752 ± 0.192 χ^2/NDF : 0.0/0

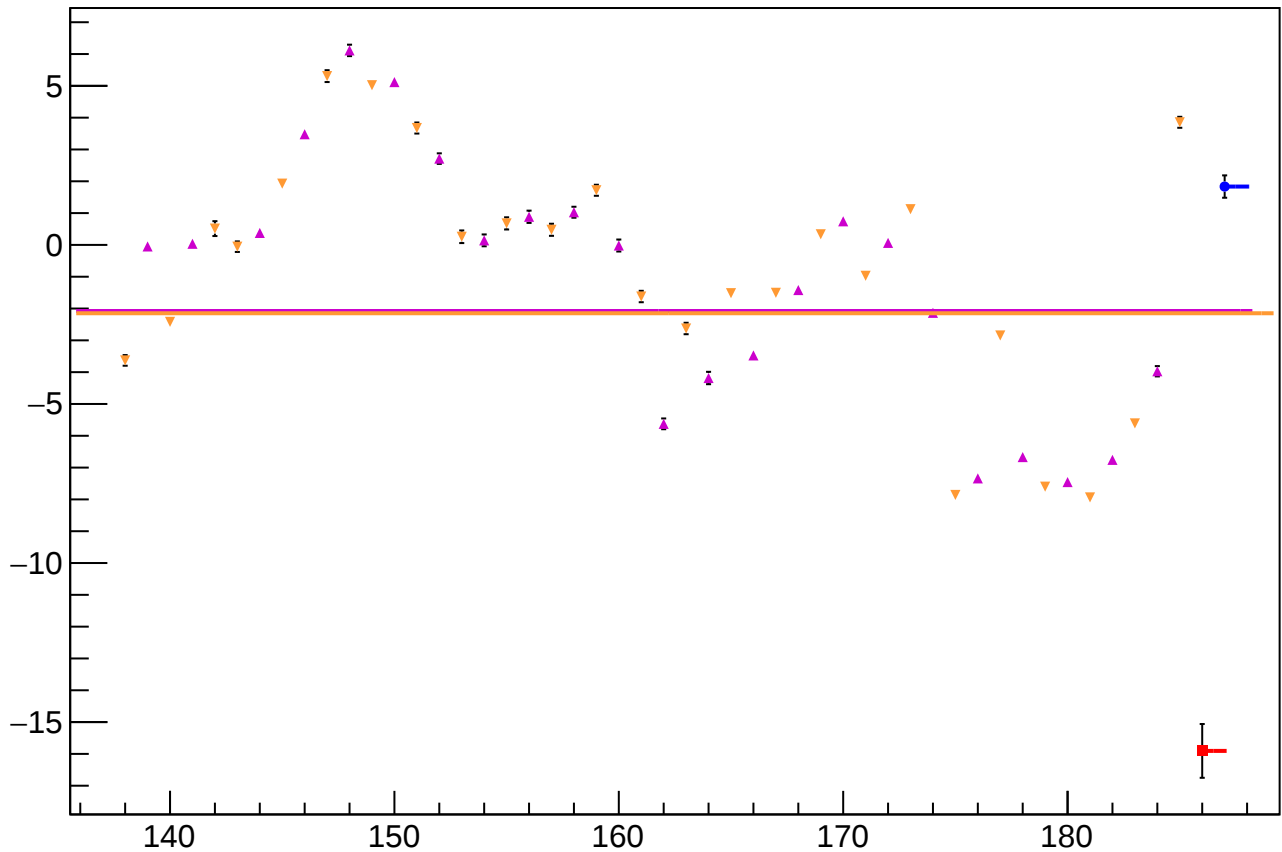
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.254 ± 0.003 χ^2/NDF : 1431.7/25

All: -0.247 ± 0.002 χ^2/NDF : 3224.7/49

- sign -0.239 ± 0.003 χ^2/NDF : 1777.1/23

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.834+/-0.352 χ^2/NDF : 0.0/0

Left Out: -2.149+/-0.026 χ^2/NDF : 24536.3/24

Right Out: -15.906+/-0.845 χ^2/NDF : 0.0/0

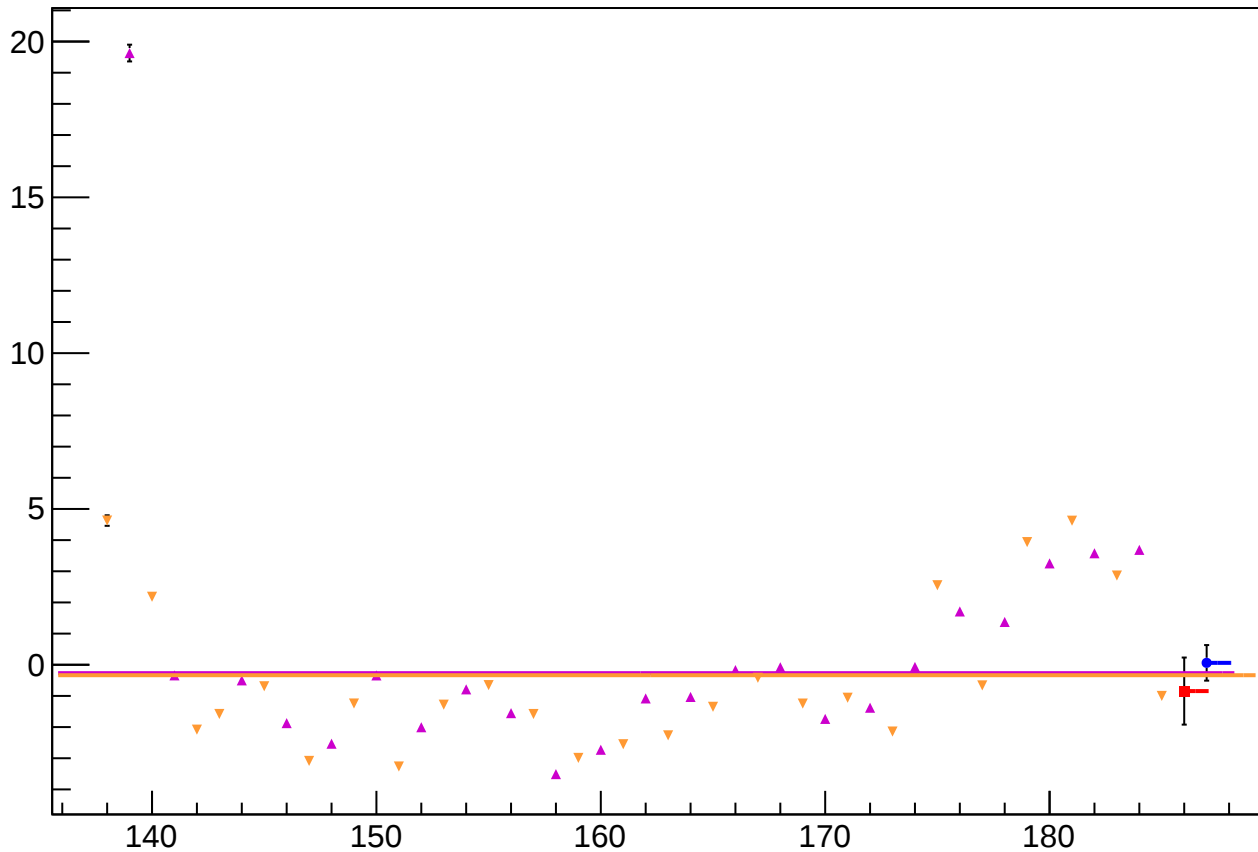
Left In: -2.078+/-0.026 χ^2/NDF : 23245.8/22

+ sign -2.128+/-0.026 χ^2/NDF : 24664.0/25

All: -2.110+/-0.018 χ^2/NDF : 48178.0/49

- sign -2.091+/-0.026 χ^2/NDF : 23513.1/23

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.061+/-0.571 χ^2/NDF : 0.0/0

Left Out: -0.335+/-0.021 χ^2/NDF :12596.1/24

Right Out: -0.845+/-1.076 χ^2/NDF : 0.0/0

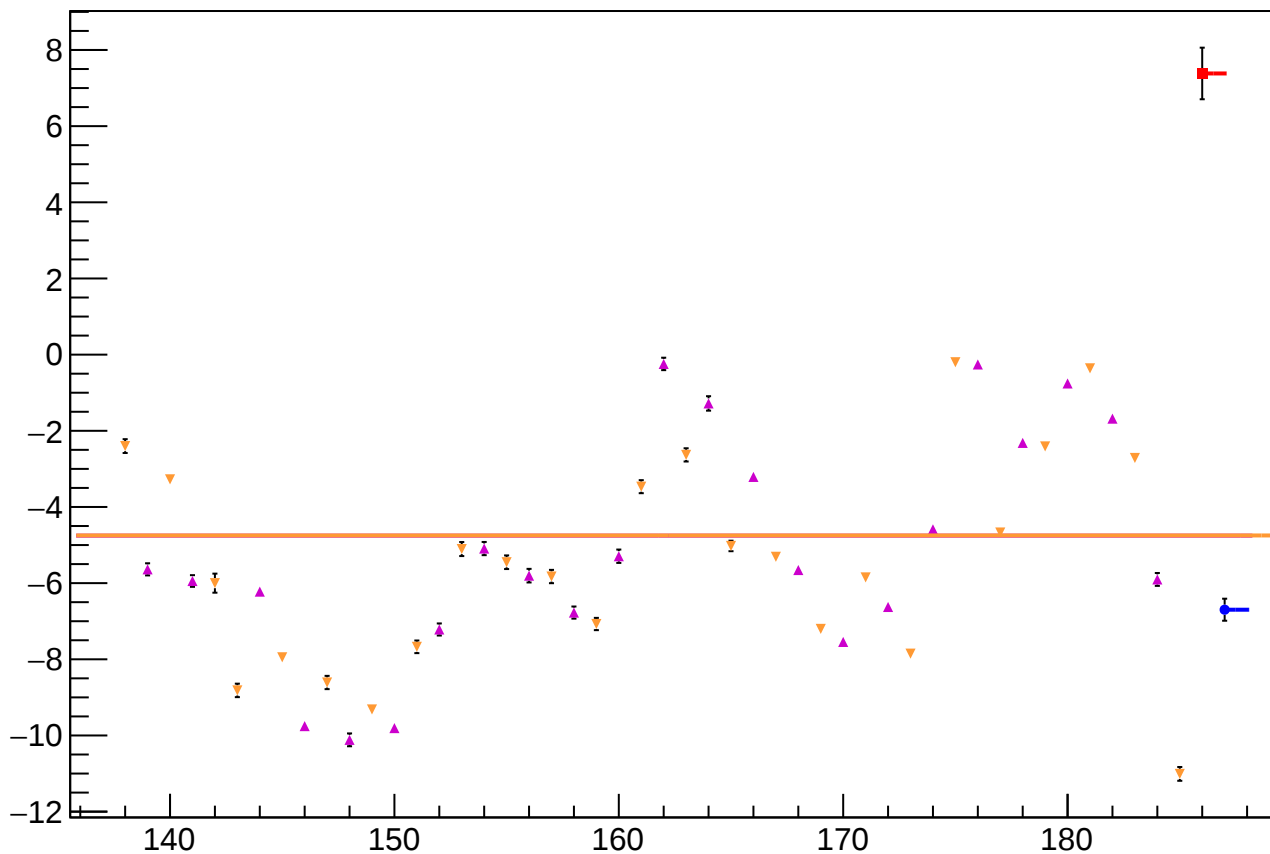
Left In: -0.269+/-0.021 χ^2/NDF :13323.1/22

+ sign -0.335+/-0.021 χ^2/NDF : 12596.6/25

All: -0.303+/-0.015 χ^2/NDF : 25924.8/49

- sign -0.270+/-0.021 χ^2/NDF : 13323.3/23

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -6.698 $\pm$ 0.289 χ^2 /NDF: 0.0/0

Left Out: -4.748 $\pm$ 0.026 χ^2 /NDF:13289.8/24

Right Out: 7.383 $\pm$ 0.677 χ^2 /NDF: 0.0/0

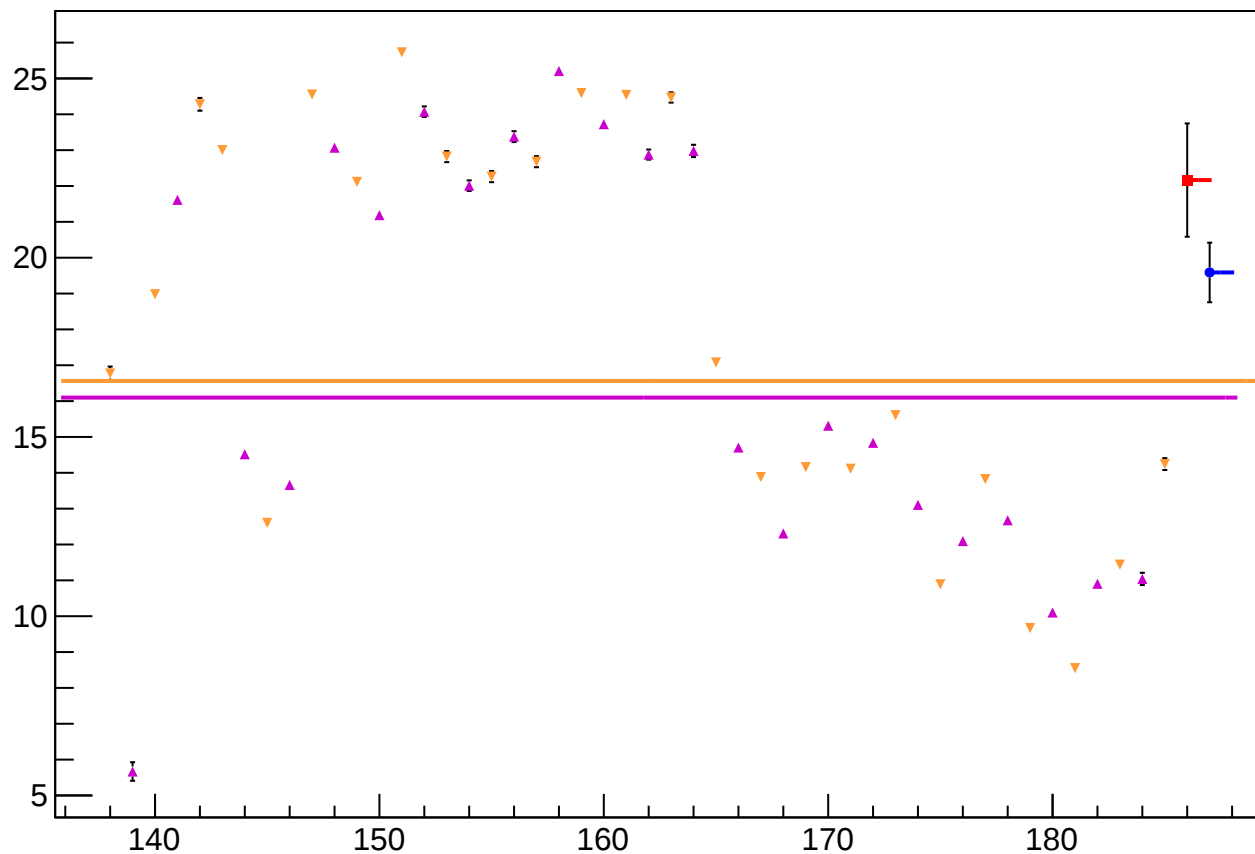
Left In: -4.753 $\pm$ 0.026 χ^2 /NDF:14119.2/22

+ sign -4.763 $\pm$ 0.026 χ^2 /NDF: 13334.8/25

All: -4.749 $\pm$ 0.018 χ^2 /NDF: 27775.3/49

- sign -4.735 $\pm$ 0.026 χ^2 /NDF: 14439.8/23

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 19.589 $\pm$ 0.831 χ^2 /NDF: 0.0/0

Left Out: 16.563 $\pm$ 0.023 χ^2 /NDF:53858.5/24

Right Out: 22.165 $\pm$ 1.581 χ^2 /NDF: 0.0/0

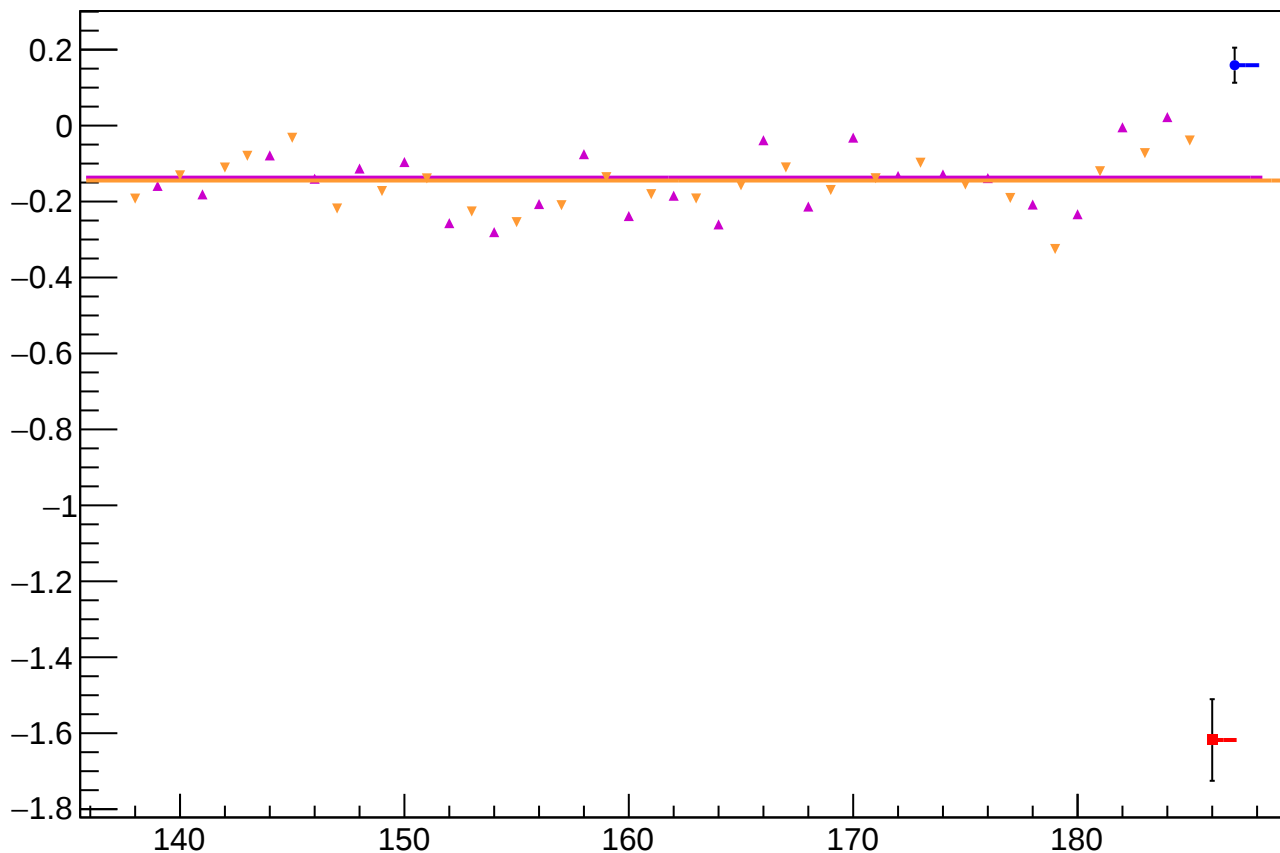
Left In: 16.098 $\pm$ 0.024 χ^2 /NDF:42345.7/22

+ sign 16.565 $\pm$ 0.023 χ^2 /NDF: 53871.7/25

All: 16.337 $\pm$ 0.017 χ^2 /NDF: 96430.8/49

- sign 16.100 $\pm$ 0.024 χ^2 /NDF: 42360.4/23

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.159 $\pm$ 0.046 χ^2 /NDF: 0.0/0

Left Out: -0.145 $\pm$ 0.001 χ^2 /NDF:3769.7/24

Right Out: -1.618 $\pm$ 0.107 χ^2 /NDF: 0.0/0

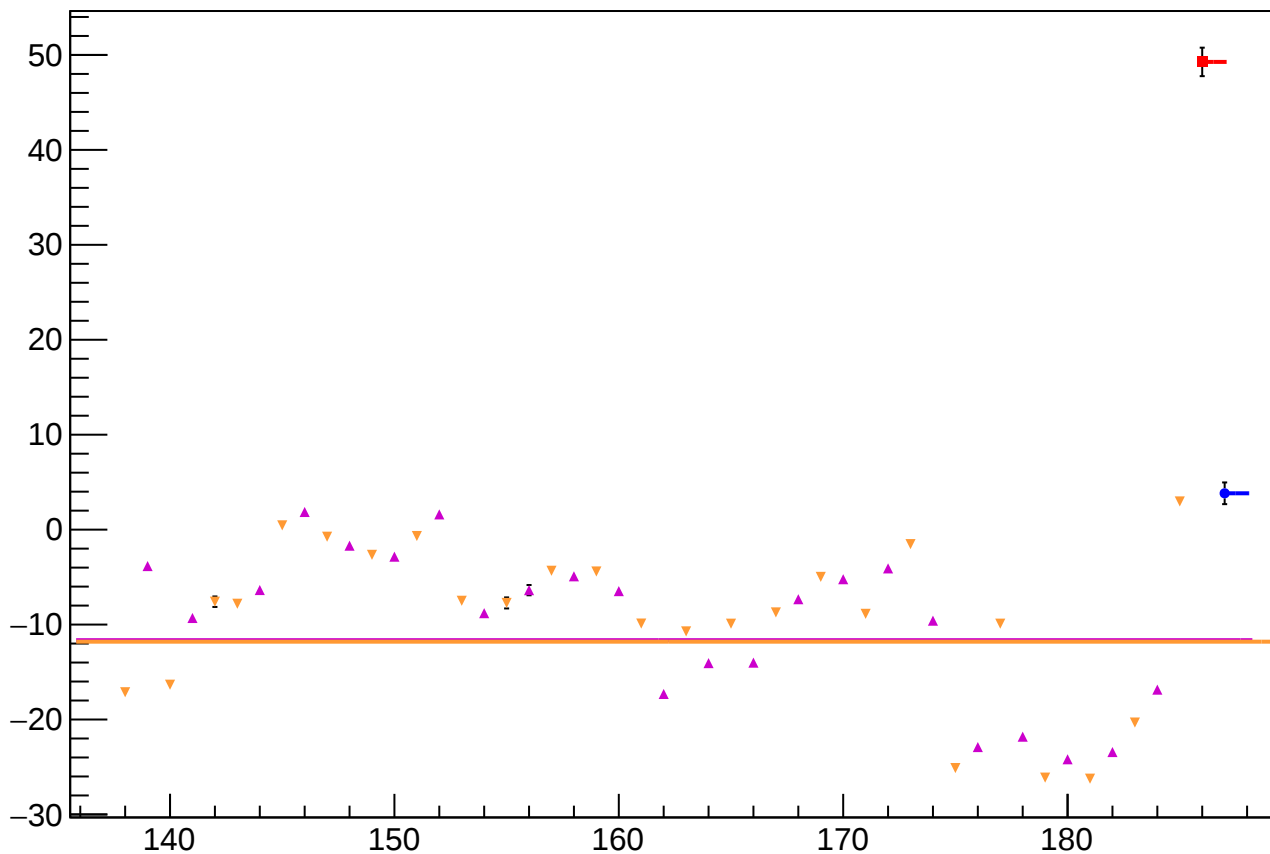
Left In: -0.137 $\pm$ 0.001 χ^2 /NDF:5392.6/22

+ sign -0.144 $\pm$ 0.001 χ^2 /NDF: 3812.9/25

All: -0.141 $\pm$ 0.001 χ^2 /NDF: 9418.7/49

- sign -0.137 $\pm$ 0.001 χ^2 /NDF: 5582.5/23

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 3.828+/-1.143 χ^2/NDF : 0.0/0

Left Out: -11.801+/-0.070 χ^2/NDF : 17308.2/24

Right Out: 49.267+/-1.500 χ^2/NDF : 0.0/0

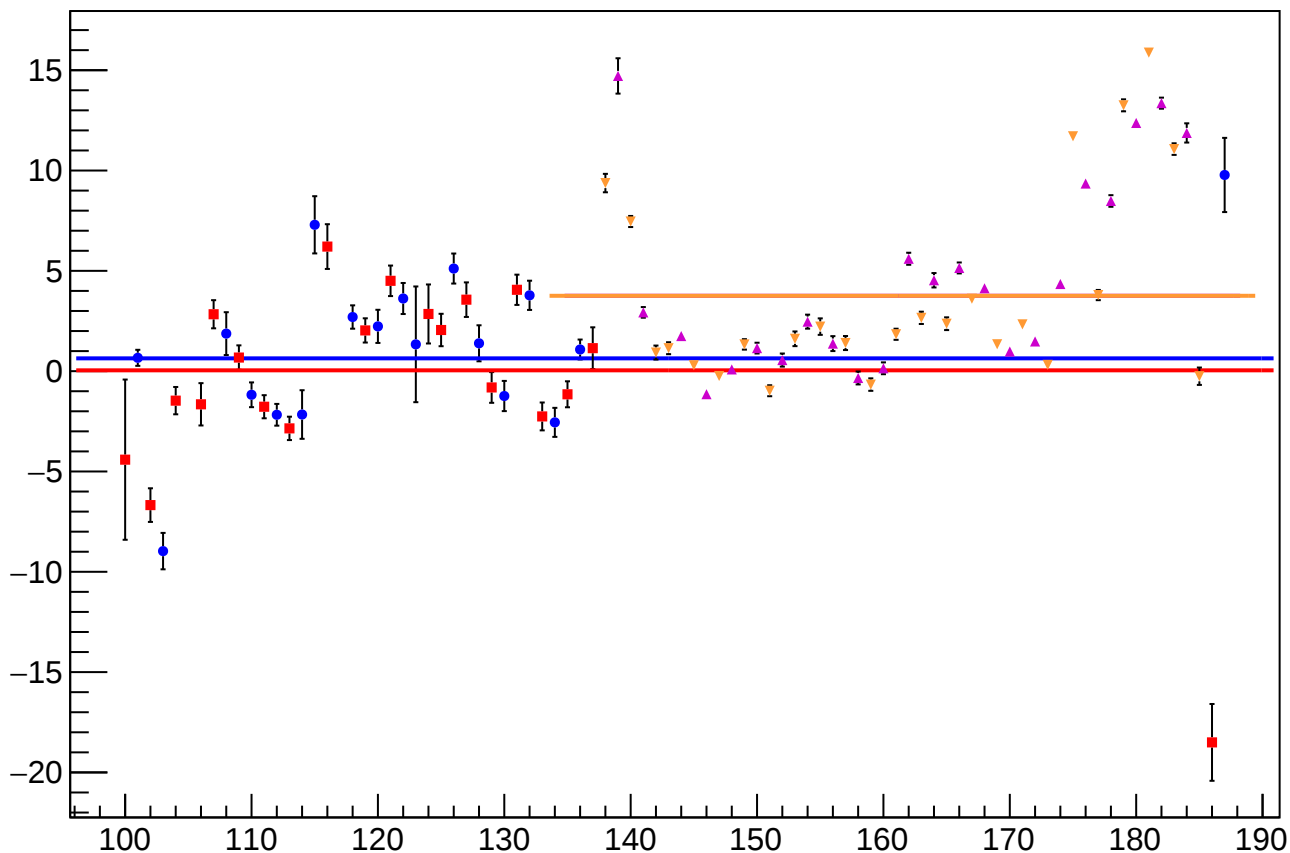
Left In: -11.642+/-0.072 χ^2/NDF : 14121.2/22

+ sign -11.742+/-0.070 χ^2/NDF : 17494.5/25

All: -11.625+/-0.050 χ^2/NDF : 33267.1/49

- sign -11.503+/-0.071 χ^2/NDF : 15766.8/23

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.638 ± 0.170 $\chi^2/\text{NDF}: 313.3/17$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 0.041 ± 0.174 $\chi^2/\text{NDF}: 365.8/19$

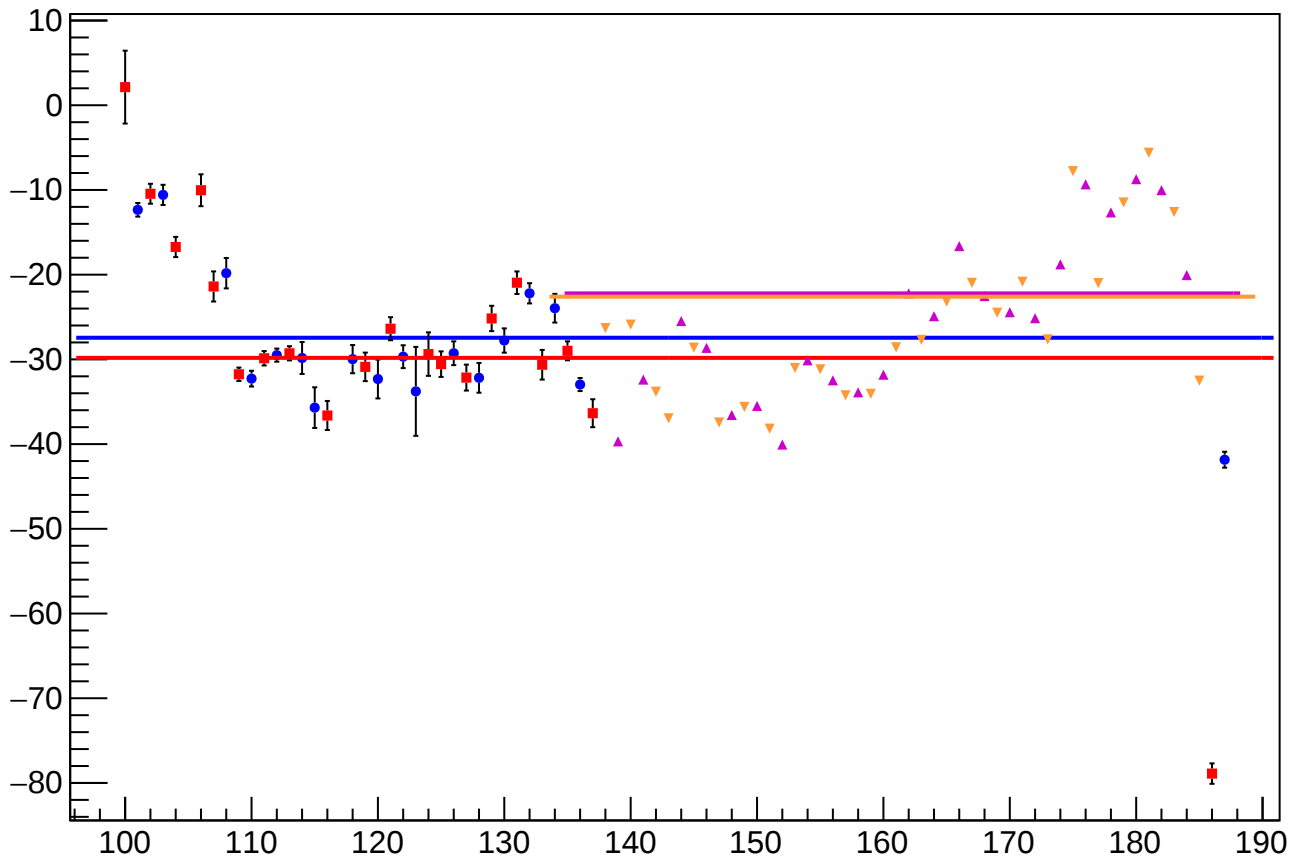
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.455 ± 0.053 $\chi^2/\text{NDF}: 8068.9/42$

All: 3.429 ± 0.038 $\chi^2/\text{NDF}: 14476.4/85$

- sign 3.402 ± 0.054 $\chi^2/\text{NDF}: 6407.0/42$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -27.445 ± 0.287 χ^2/NDF : 950.1/17

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -29.819 ± 0.289 χ^2/NDF : 2340.2/19

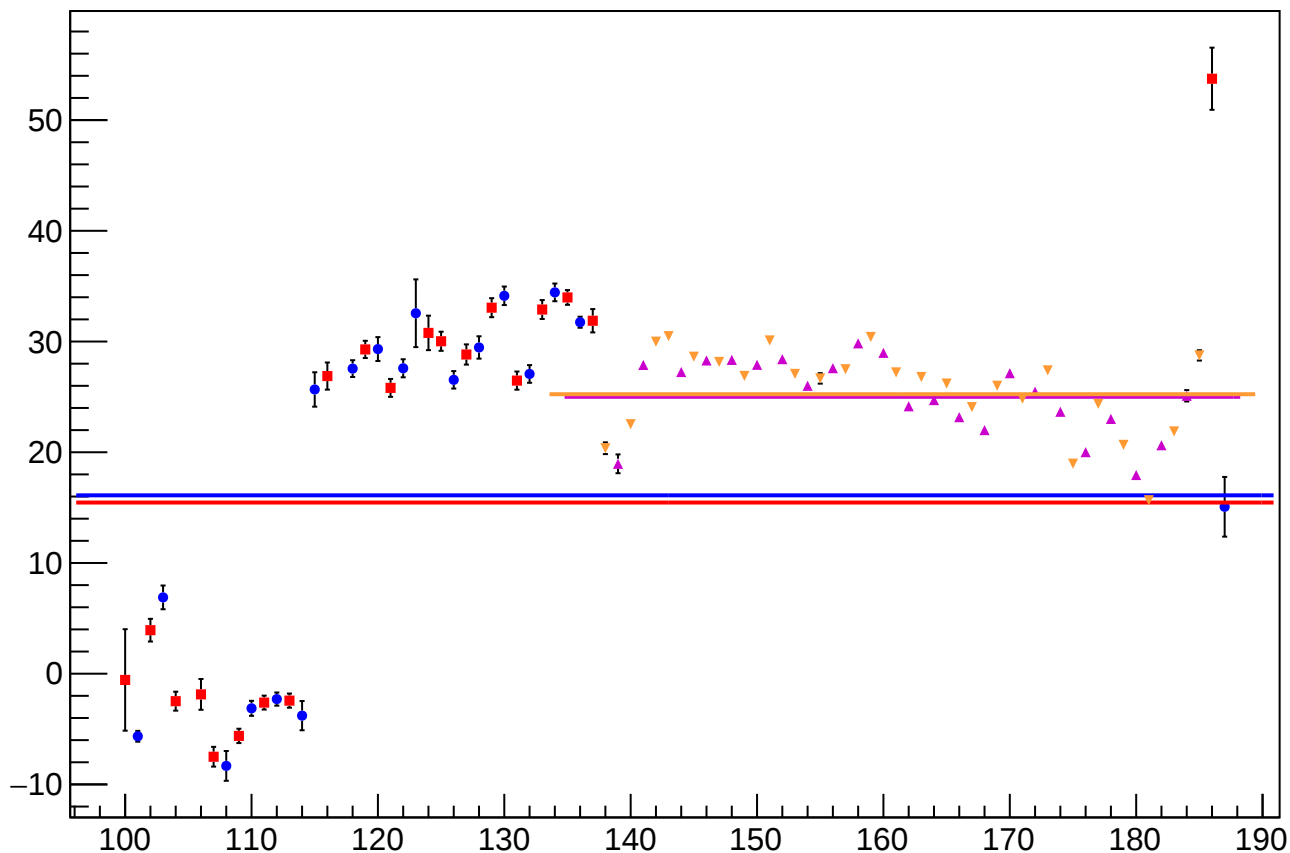
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.876 ± 0.069 χ^2/NDF : 21153.1/42

All: -22.763 ± 0.049 χ^2/NDF : 41778.0/85

- sign -22.648 ± 0.069 χ^2/NDF : 20619.4/42

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.110 ± 0.192 $\chi^2/\text{NDF}: 7542.2/17$

Left Out: 25.242 ± 0.063 $\chi^2/\text{NDF}: 3786.5/24$

Right Out: 15.458 ± 0.197 $\chi^2/\text{NDF}: 7448.7/19$

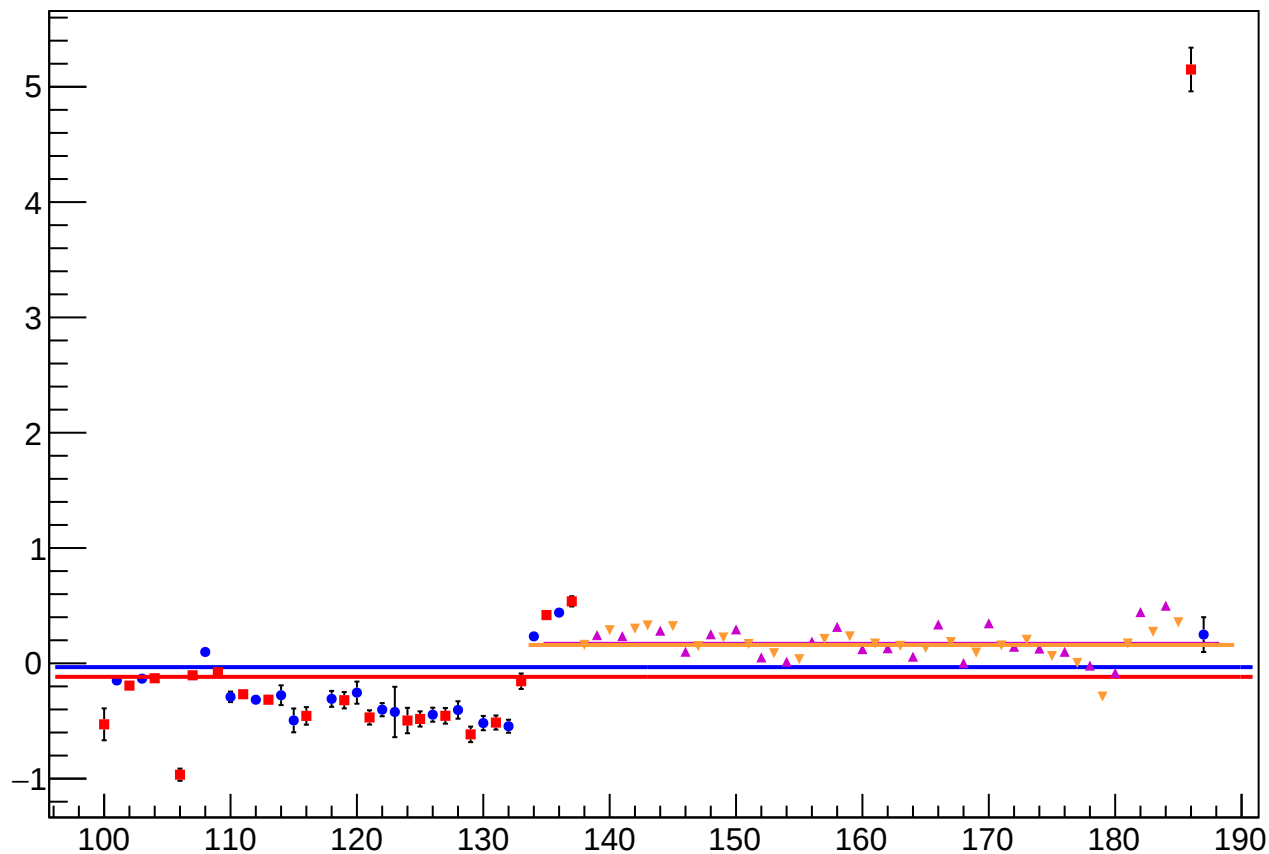
Left In: 25.009 ± 0.064 $\chi^2/\text{NDF}: 2722.0/22$

+ sign 24.363 ± 0.060 $\chi^2/\text{NDF}: 13375.1/42$

All: 24.234 ± 0.043 $\chi^2/\text{NDF}: 25684.8/85$

- sign 24.100 ± 0.061 $\chi^2/\text{NDF}: 12300.2/42$

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.033 ± 0.010 χ^2/NDF : 1014.9/17

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.117 ± 0.010 χ^2/NDF : 1936.1/19

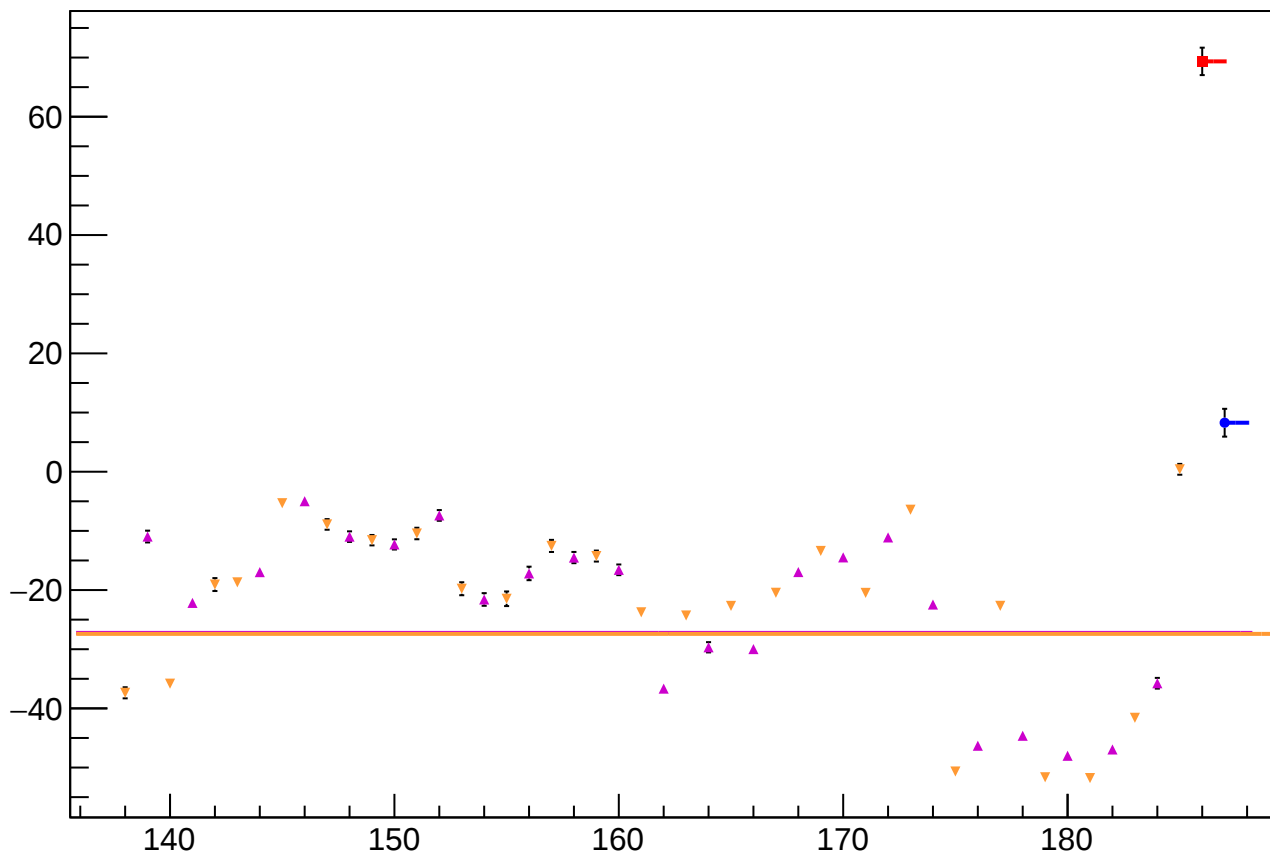
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.146 ± 0.003 χ^2/NDF : 3201.6/42

All: 0.147 ± 0.002 χ^2/NDF : 8263.0/85

- sign 0.148 ± 0.003 χ^2/NDF : 5061.0/42

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: 8.281+/-2.351 χ^2/NDF : 0.0/0

Left Out: -27.408+/-0.137 χ^2/NDF :14850.5/24

Right Out: 69.353+/-2.317 χ^2/NDF : 0.0/0

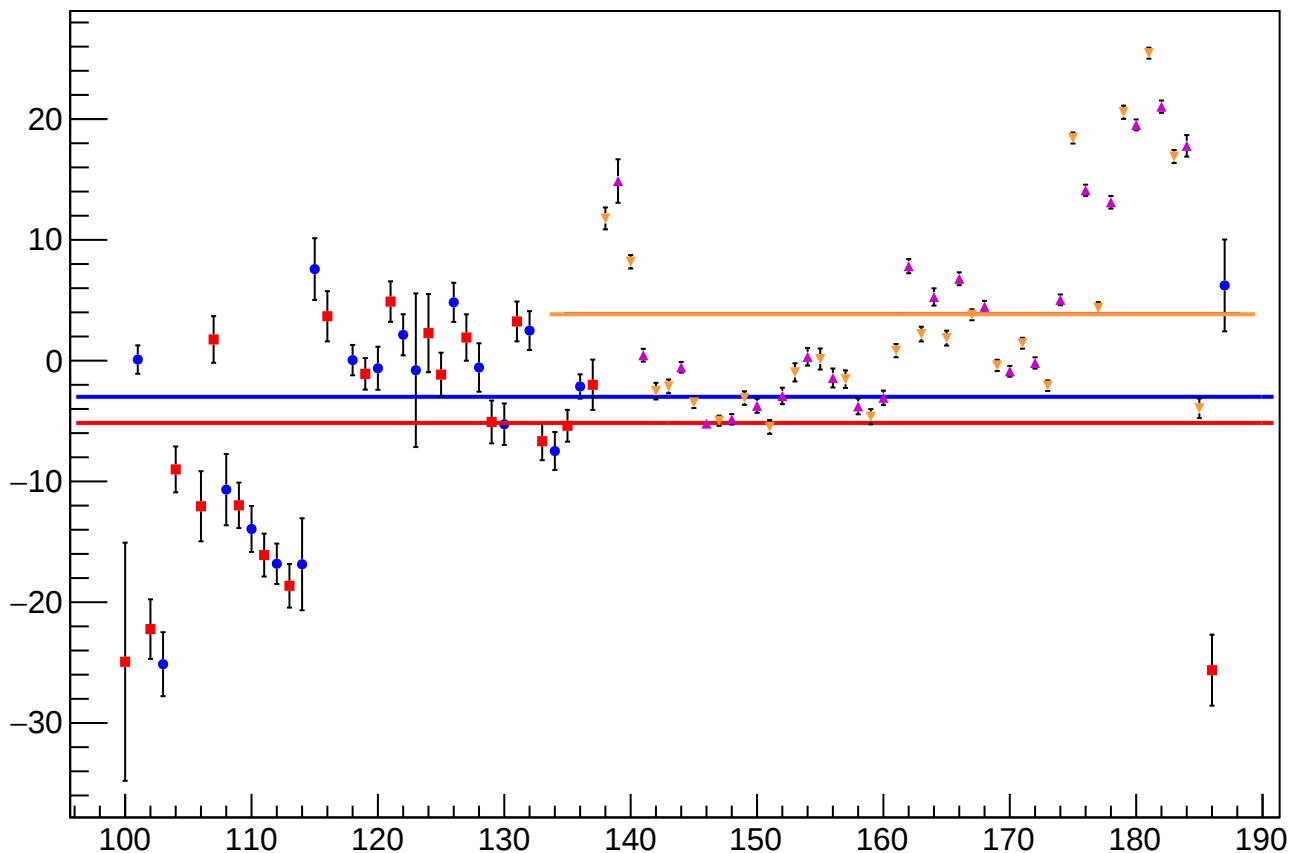
Left In: -27.243+/-0.139 χ^2/NDF :11305.2/22

+ sign -27.287+/-0.137 χ^2/NDF : 15080.2/25

All: -27.095+/-0.097 χ^2/NDF : 28120.6/49

- sign -26.895+/-0.139 χ^2/NDF : 13036.3/23

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.993 ± 0.409 $\chi^2/\text{NDF}: 284.8/17$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -5.157 ± 0.423 $\chi^2/\text{NDF}: 346.3/19$

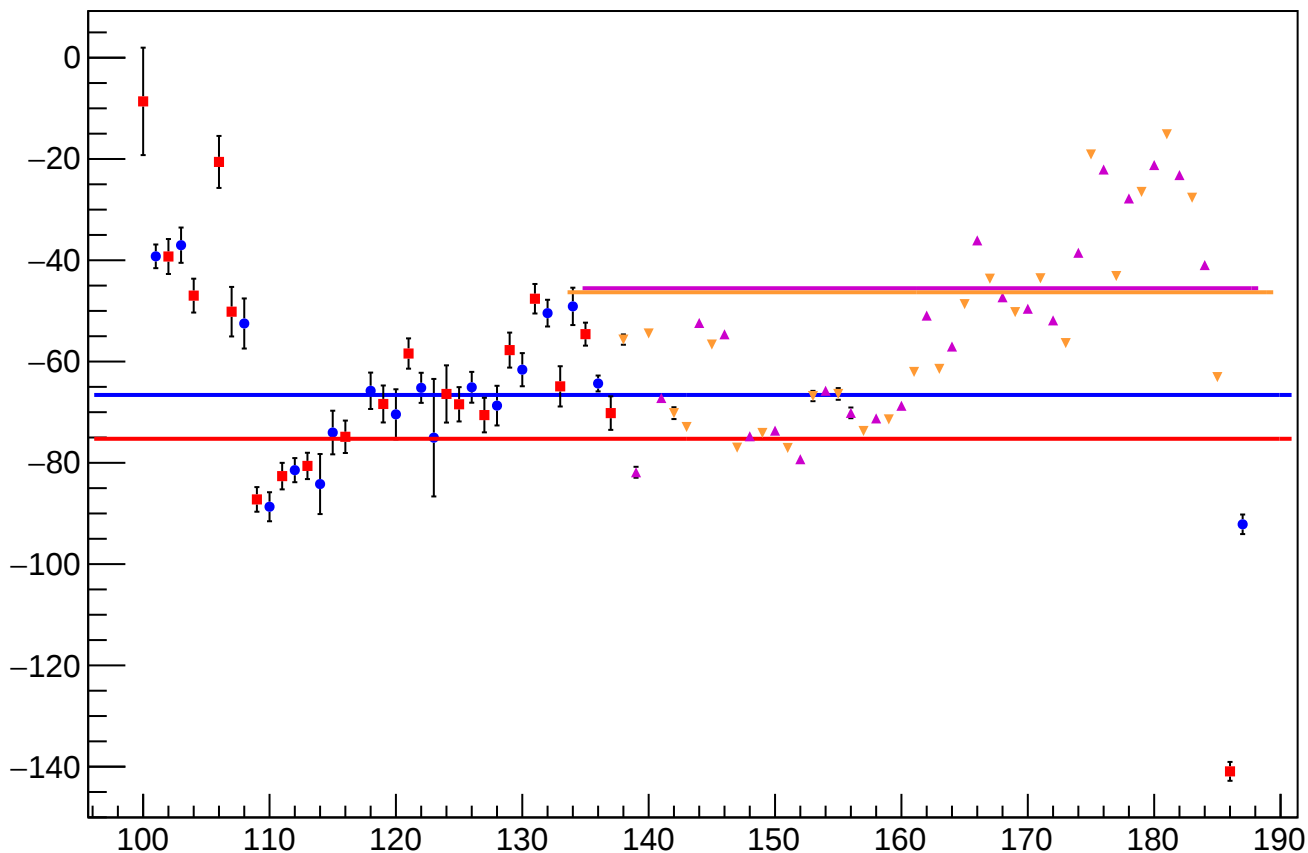
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.387 ± 0.106 $\chi^2/\text{NDF}: 7484.3/42$

All: 3.335 ± 0.075 $\chi^2/\text{NDF}: 13681.3/85$

- sign 3.282 ± 0.108 $\chi^2/\text{NDF}: 6196.5/42$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -66.595 ± 0.693 χ^2/NDF : 568.3/17

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -75.251 ± 0.698 χ^2/NDF : 1890.4/19

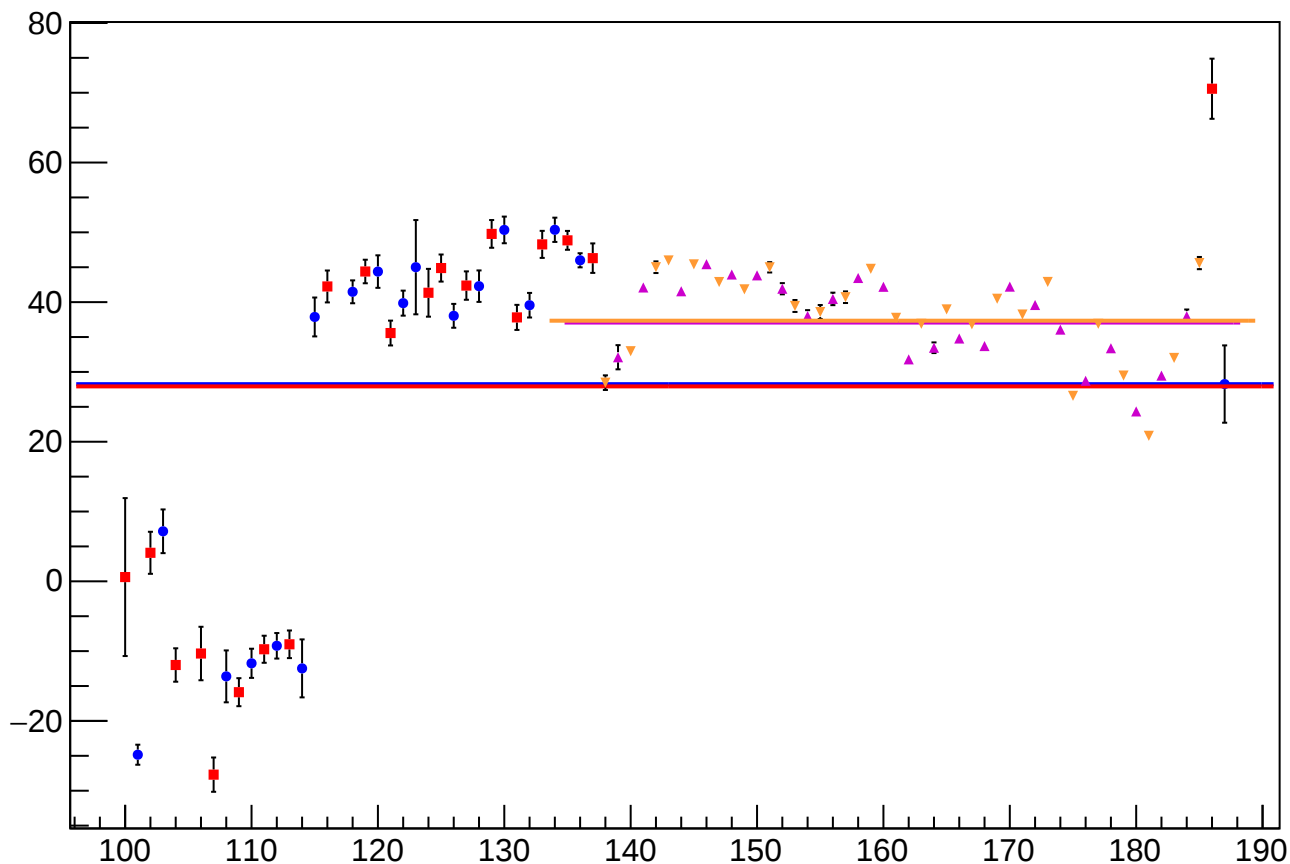
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.092 ± 0.135 χ^2/NDF : 21527.6/42

All: -46.882 ± 0.096 χ^2/NDF : 42691.9/85

- sign -46.667 ± 0.137 χ^2/NDF : 21159.5/42

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.247 $\pm$ 0.459 χ^2 /NDF: 3310.9/17

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 27.928 $\pm$ 0.477 χ^2 /NDF: 3130.7/19

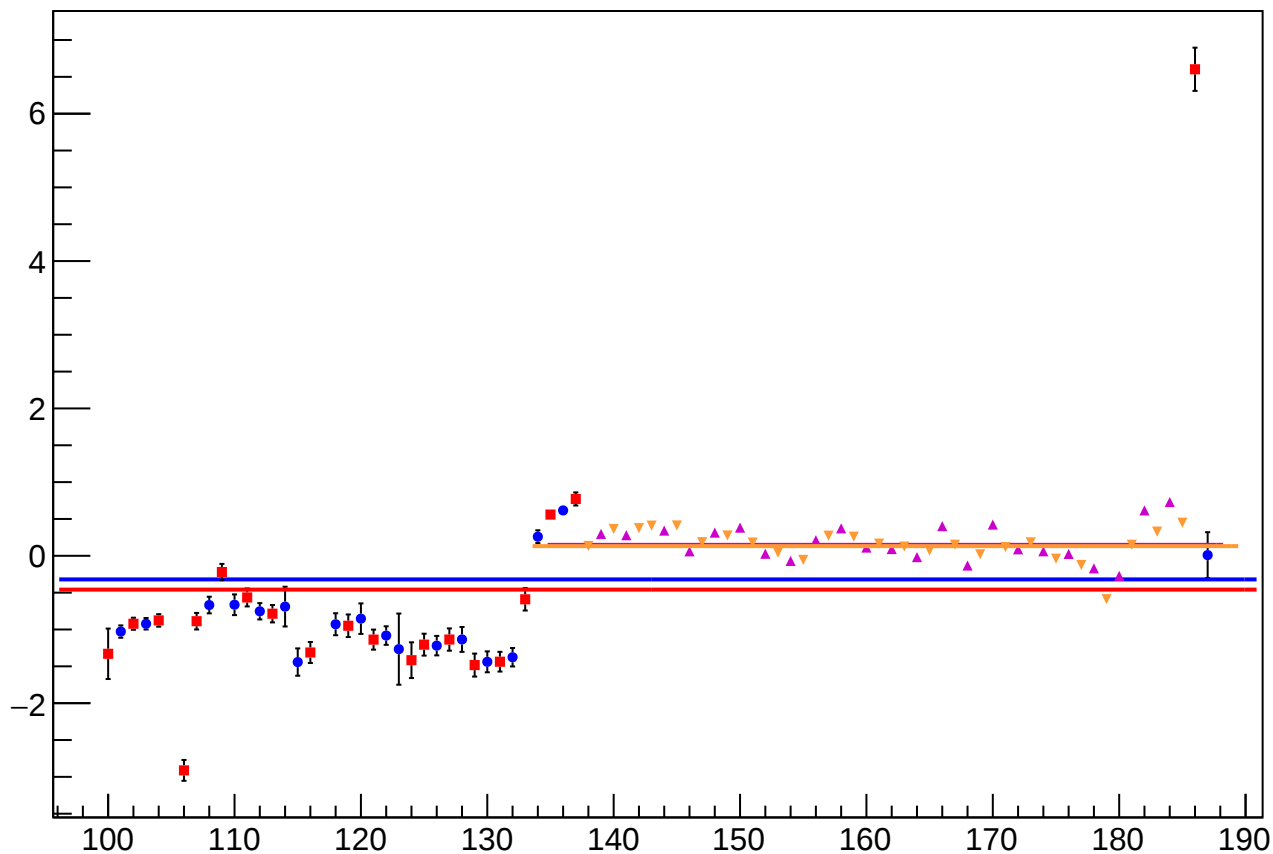
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.733 $\pm$ 0.119 χ^2 /NDF: 6825.8/42

All: 36.611 $\pm$ 0.085 χ^2 /NDF: 12700.3/85

- sign 36.484 $\pm$ 0.121 χ^2 /NDF: 5872.4/42

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.320 ± 0.025 χ^2/NDF : 1011.2/17

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.459 ± 0.026 χ^2/NDF : 1743.8/19

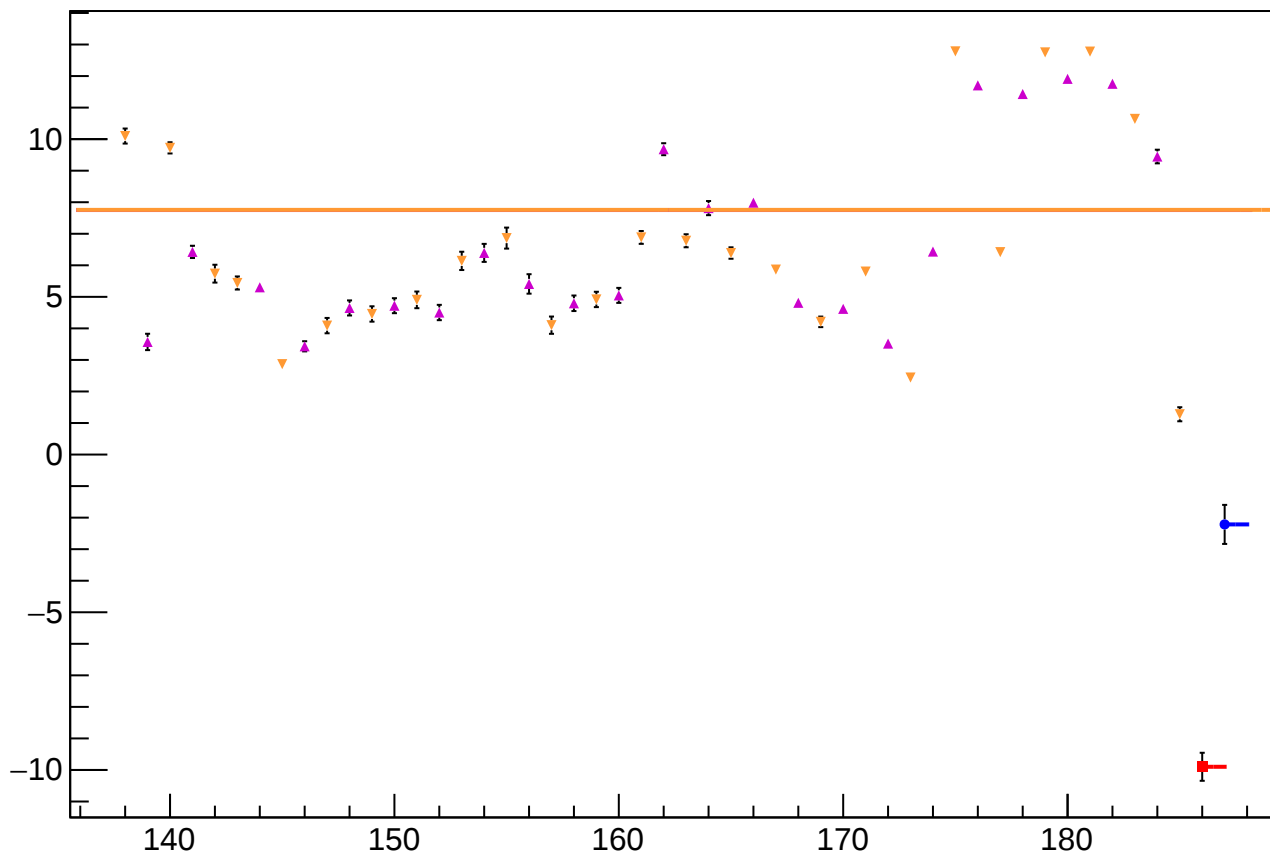
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.109 ± 0.005 χ^2/NDF : 2750.5/42

All: 0.114 ± 0.004 χ^2/NDF : 6832.9/85

- sign 0.120 ± 0.006 χ^2/NDF : 4080.6/42

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: -2.215 ± 0.619 χ^2/NDF : 0.0/0

Left Out: 7.757 ± 0.034 χ^2/NDF : 11728.6/24

Right Out: -9.899 ± 0.444 χ^2/NDF : 0.0/0

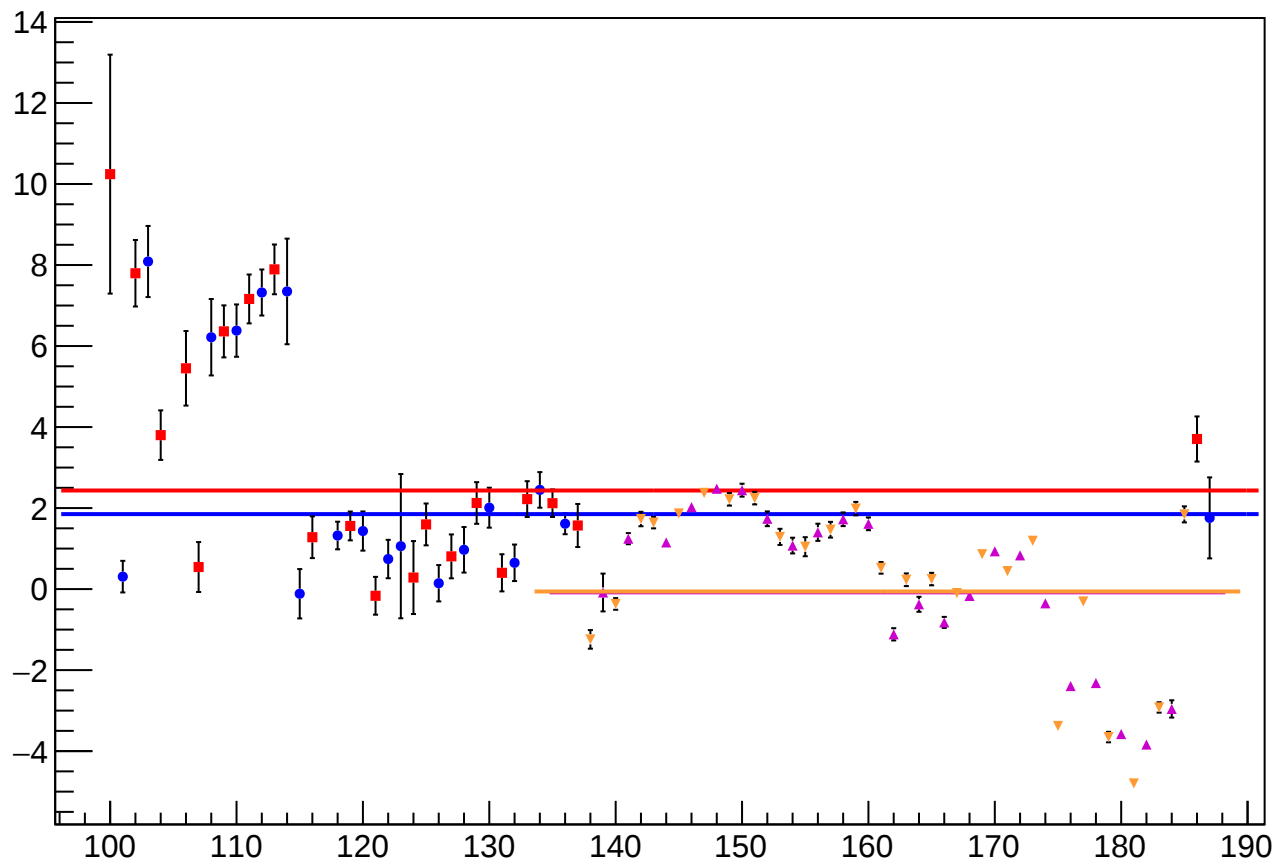
Left In: 7.753 ± 0.035 χ^2/NDF : 8345.2/22

+ sign 7.727 ± 0.034 χ^2/NDF : 11987.3/25

All: 7.686 ± 0.024 χ^2/NDF : 21904.5/49

- sign 7.643 ± 0.035 χ^2/NDF : 9914.2/23

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 293.3/17

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.434 ± 0.120 χ^2/NDF : 341.0/19

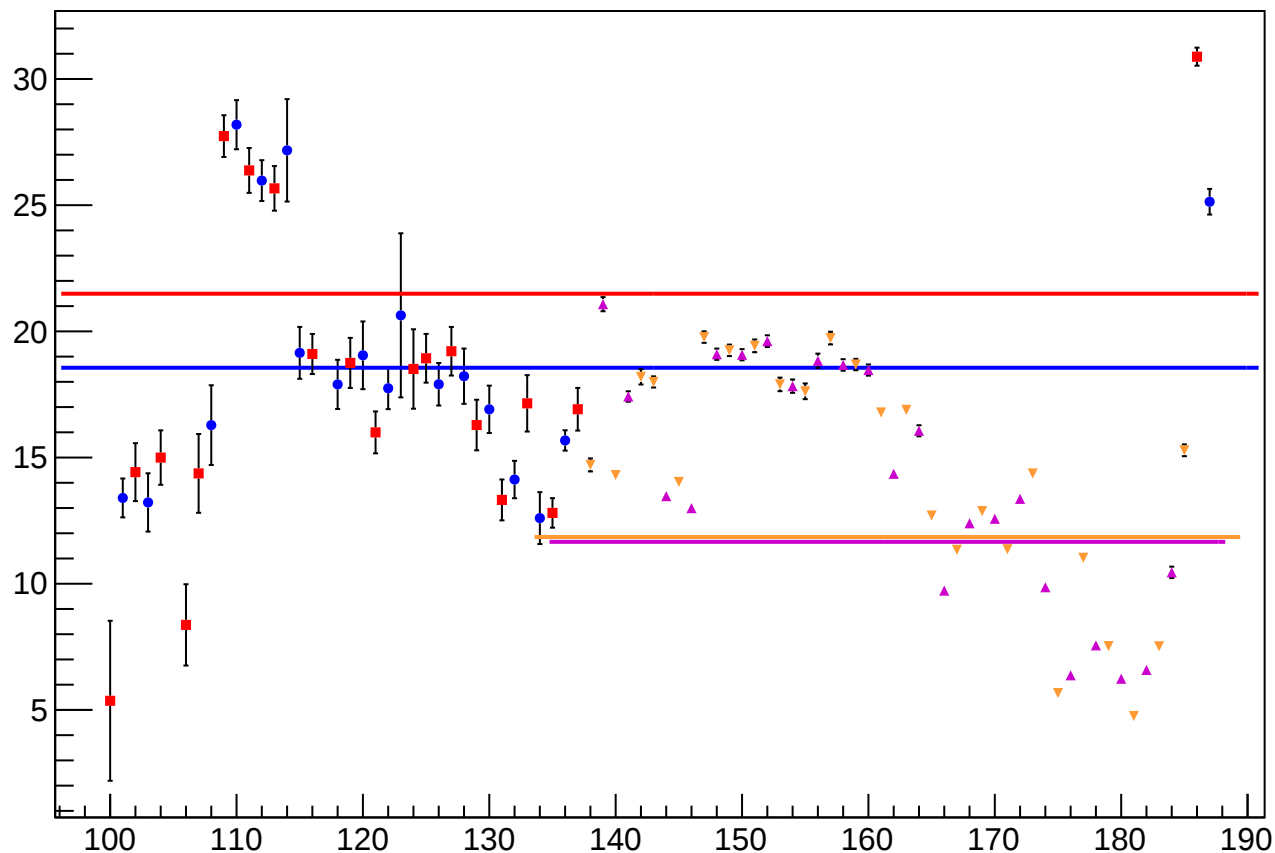
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.043 ± 0.027 χ^2/NDF : 6616.4/42

All: 0.048 ± 0.019 χ^2/NDF : 12353.8/85

- sign 0.052 ± 0.028 χ^2/NDF : 5737.3/42

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.559 $\pm$ 0.196 χ^2 /NDF: 561.8/17

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 21.492 $\pm$ 0.187 χ^2 /NDF: 1459.1/19

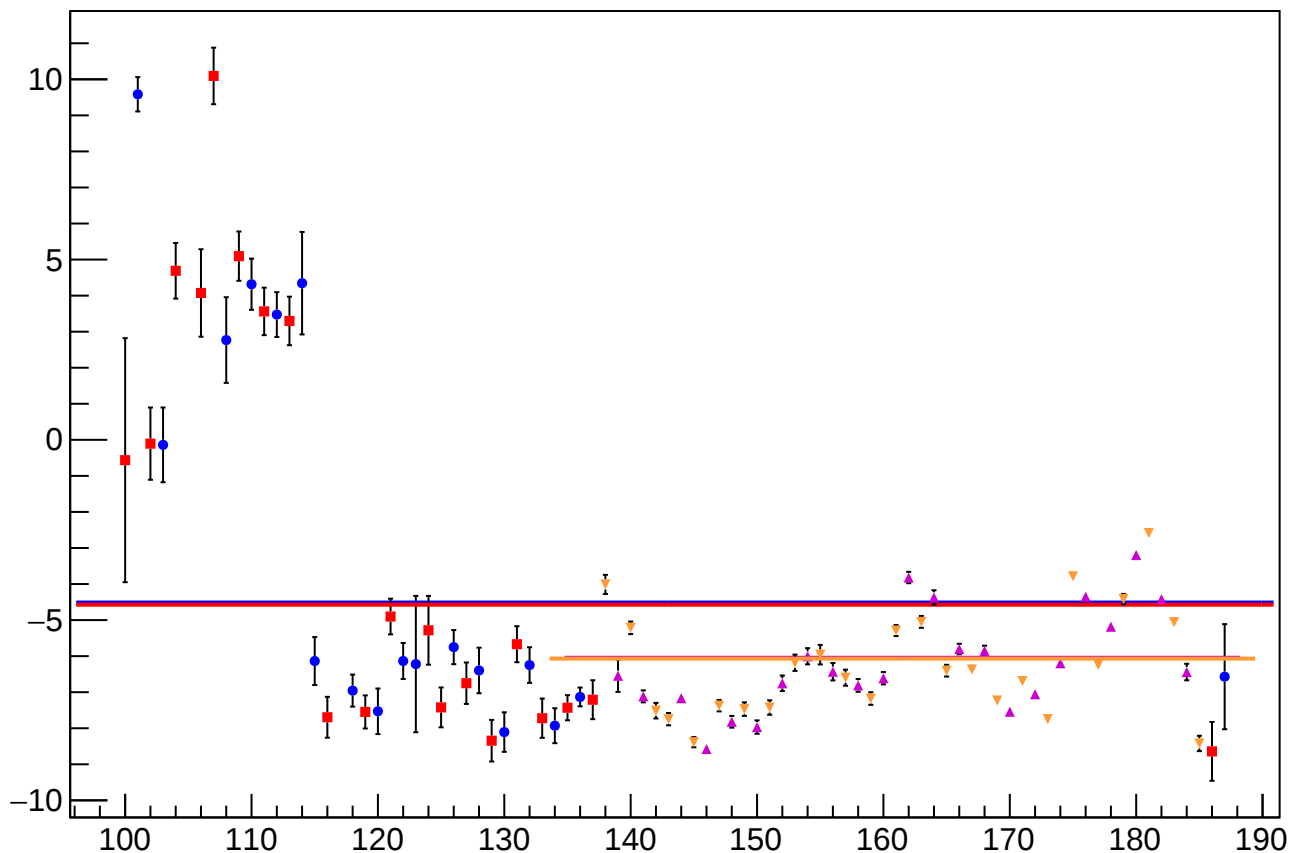
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.056 $\pm$ 0.034 χ^2 /NDF: 20842.2/42

All: 12.026 $\pm$ 0.024 χ^2 /NDF: 41684.3/85

- sign 11.996 $\pm$ 0.035 χ^2 /NDF: 20840.6/42

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.513 ± 0.130 χ^2/NDF : 1584.8/17

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.574 ± 0.135 χ^2/NDF : 1366.1/19

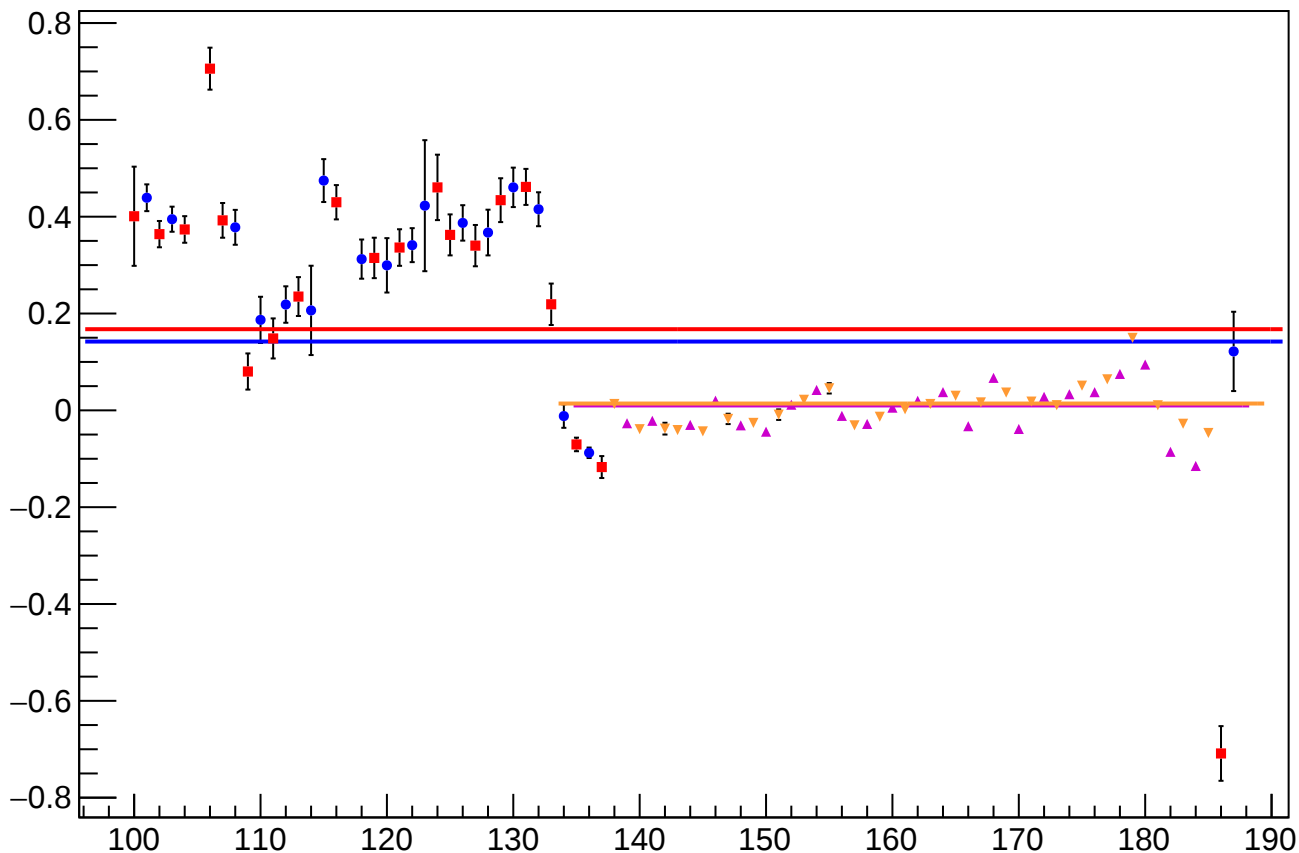
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.984 ± 0.030 χ^2/NDF : 4391.8/42

All: -5.976 ± 0.022 χ^2/NDF : 8163.8/85

- sign -5.968 ± 0.031 χ^2/NDF : 3771.9/42

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1057.8/17

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.168 ± 0.007 χ^2/NDF : 1244.0/19

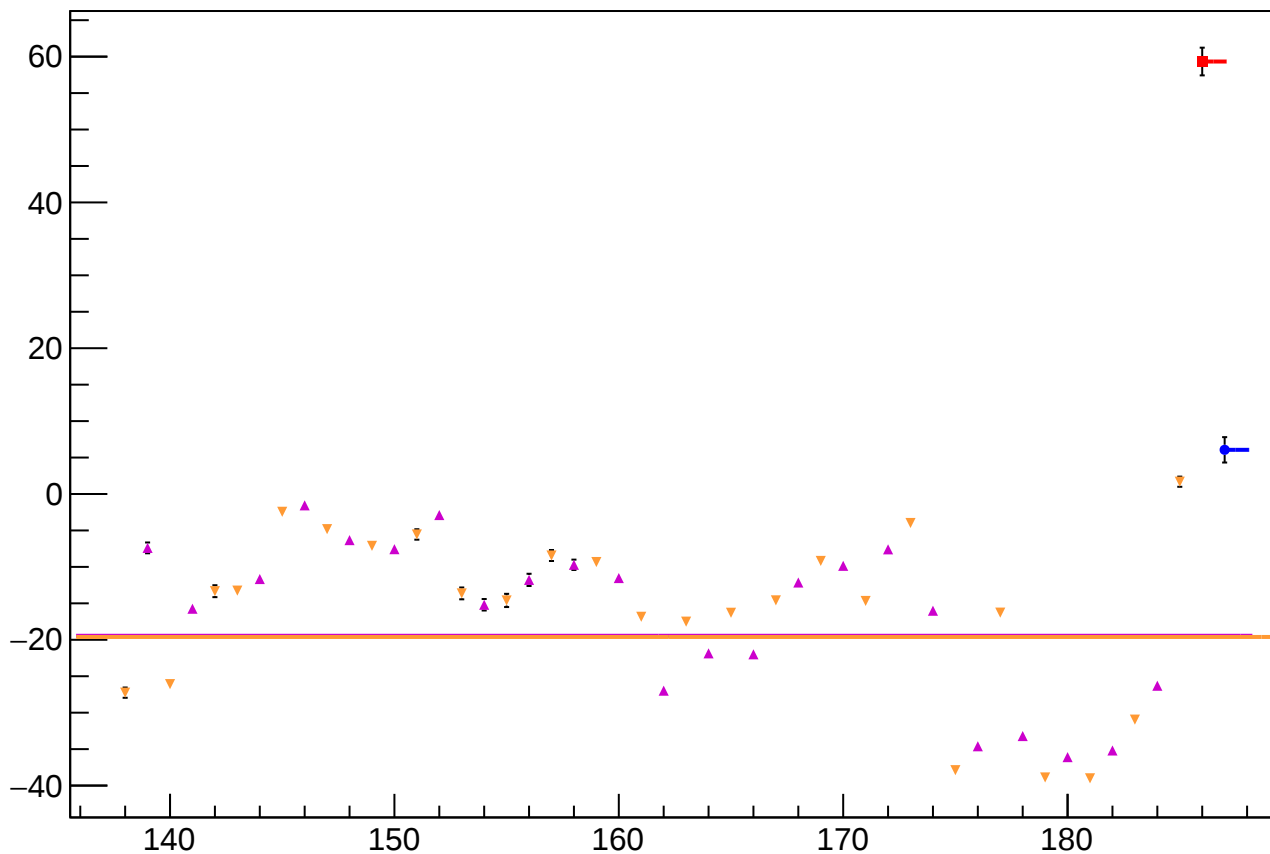
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.019 ± 0.001 χ^2/NDF : 2330.9/42

All: 0.018 ± 0.001 χ^2/NDF : 5235.4/85

- sign 0.016 ± 0.001 χ^2/NDF : 2902.1/42

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: 6.059 $\pm$ 1.741 χ^2 /NDF: 0.0/0

Left Out: -19.612 $\pm$ 0.103 χ^2 /NDF:15761.3/24

Right Out: 59.330 $\pm$ 1.901 χ^2 /NDF: 0.0/0

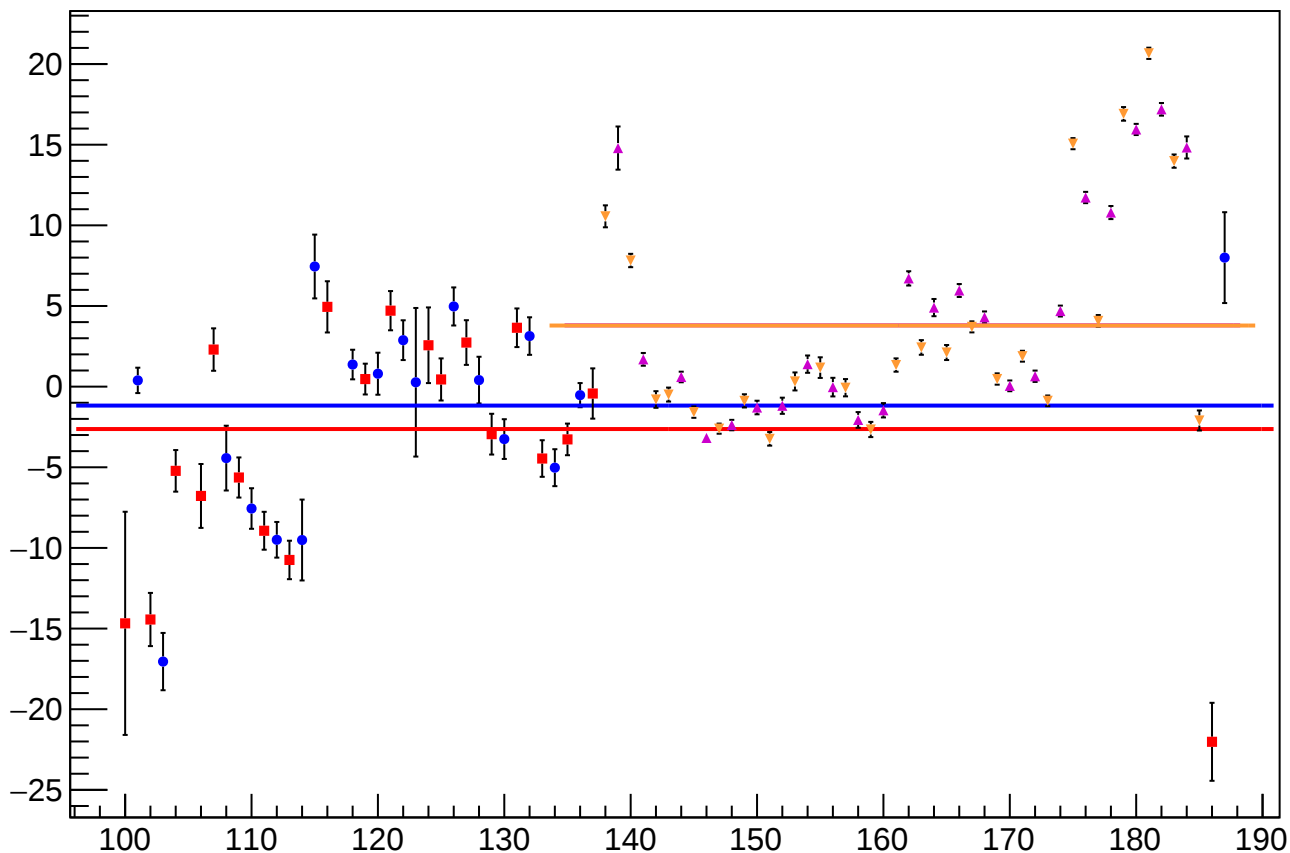
Left In: -19.450 $\pm$ 0.105 χ^2 /NDF:12283.1/22

+ sign -19.522 $\pm$ 0.103 χ^2 /NDF: 15977.8/25

All: -19.369 $\pm$ 0.074 χ^2 /NDF: 29978.2/49

- sign -19.210 $\pm$ 0.105 χ^2 /NDF: 13995.9/23

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.175 ± 0.291 χ^2/NDF : 287.3/17

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -2.629 ± 0.300 χ^2/NDF : 349.8/19

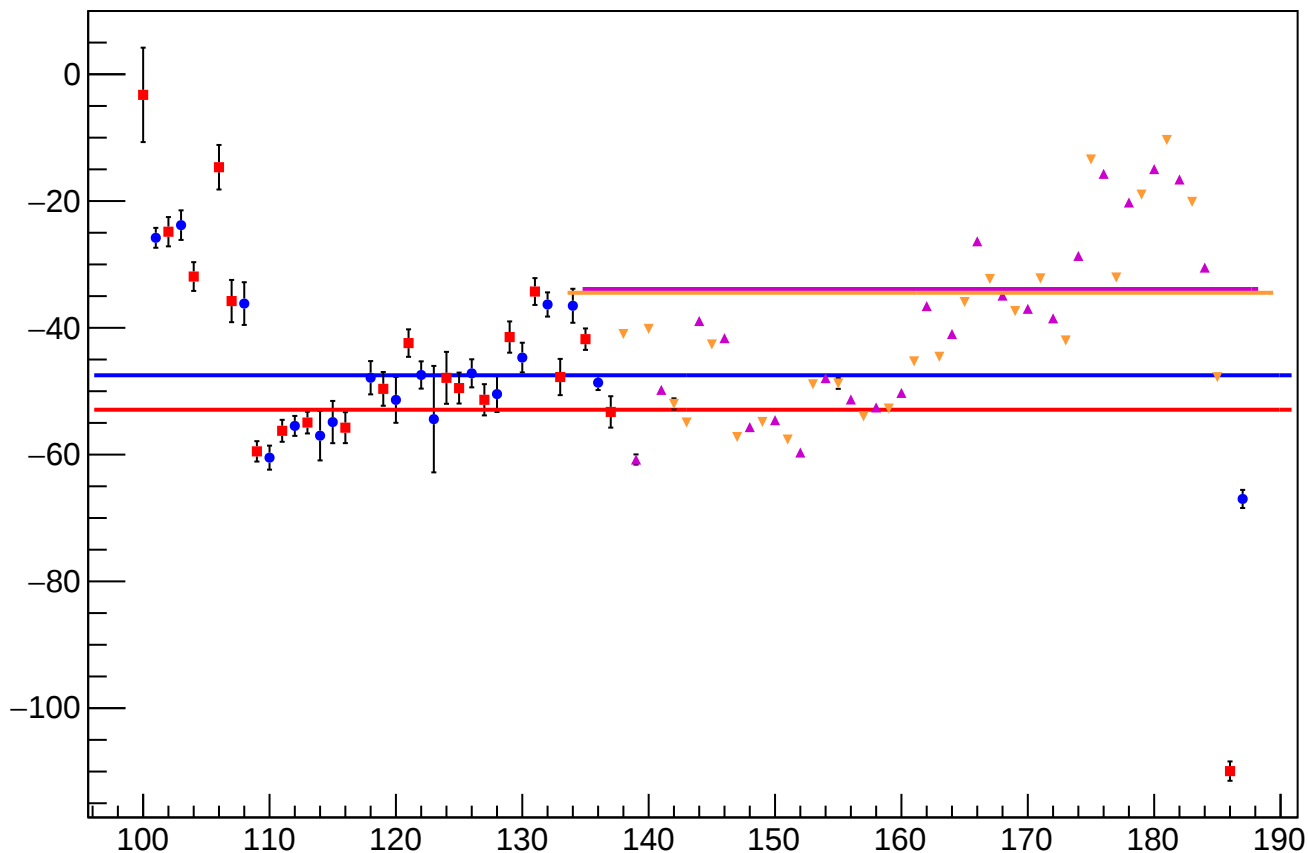
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.423 ± 0.079 χ^2/NDF : 7706.8/42

All: 3.381 ± 0.056 χ^2/NDF : 13999.0/85

- sign 3.337 ± 0.081 χ^2/NDF : 6291.7/42

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -47.485 ± 0.493 χ^2/NDF : 631.0/17

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -52.921 ± 0.500 χ^2/NDF : 2014.1/19

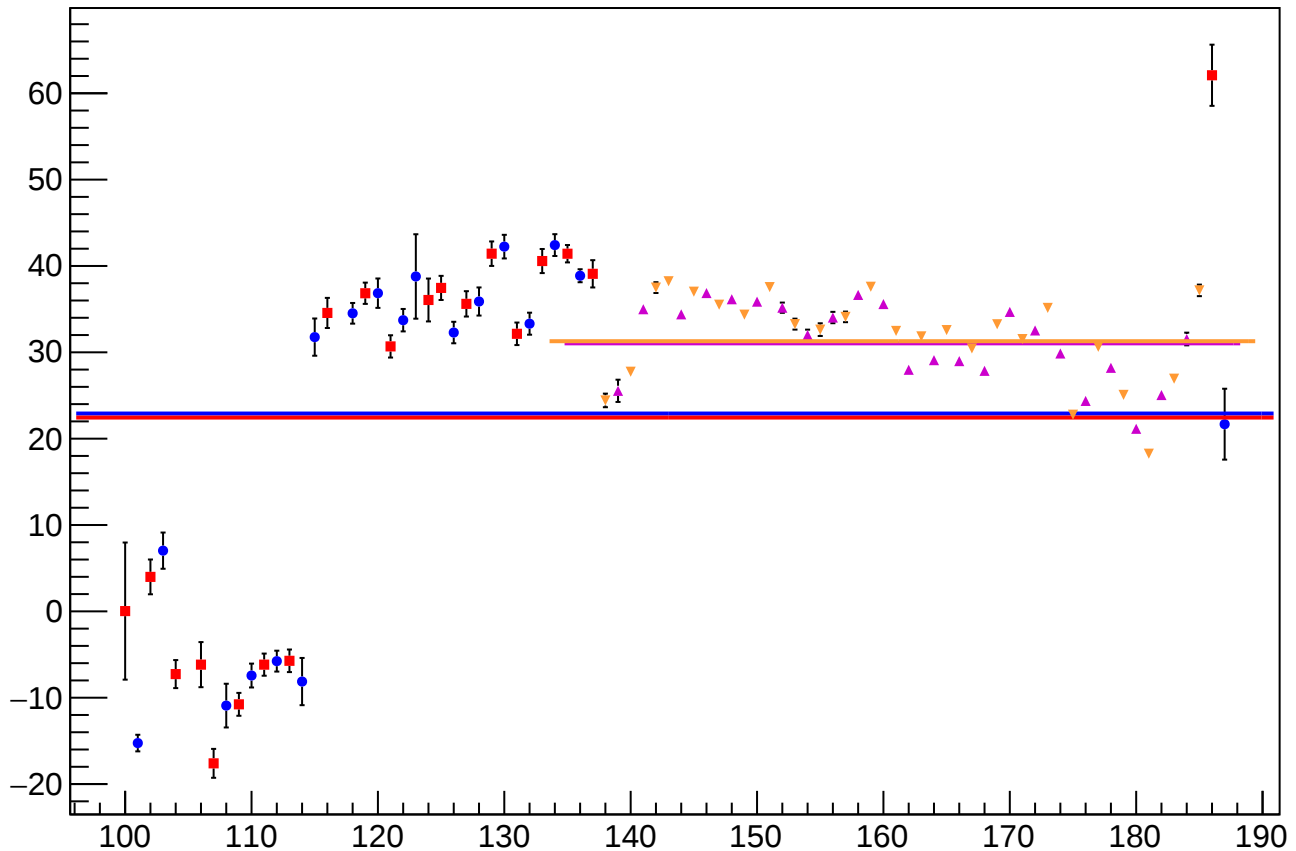
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.025 ± 0.102 χ^2/NDF : 21494.4/42

All: -34.856 ± 0.072 χ^2/NDF : 42540.9/85

- sign -34.683 ± 0.103 χ^2/NDF : 21040.9/42

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.909 $\pm$ 0.328 χ^2 /NDF: 4317.3/17

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.444 $\pm$ 0.339 χ^2 /NDF: 4156.3/19

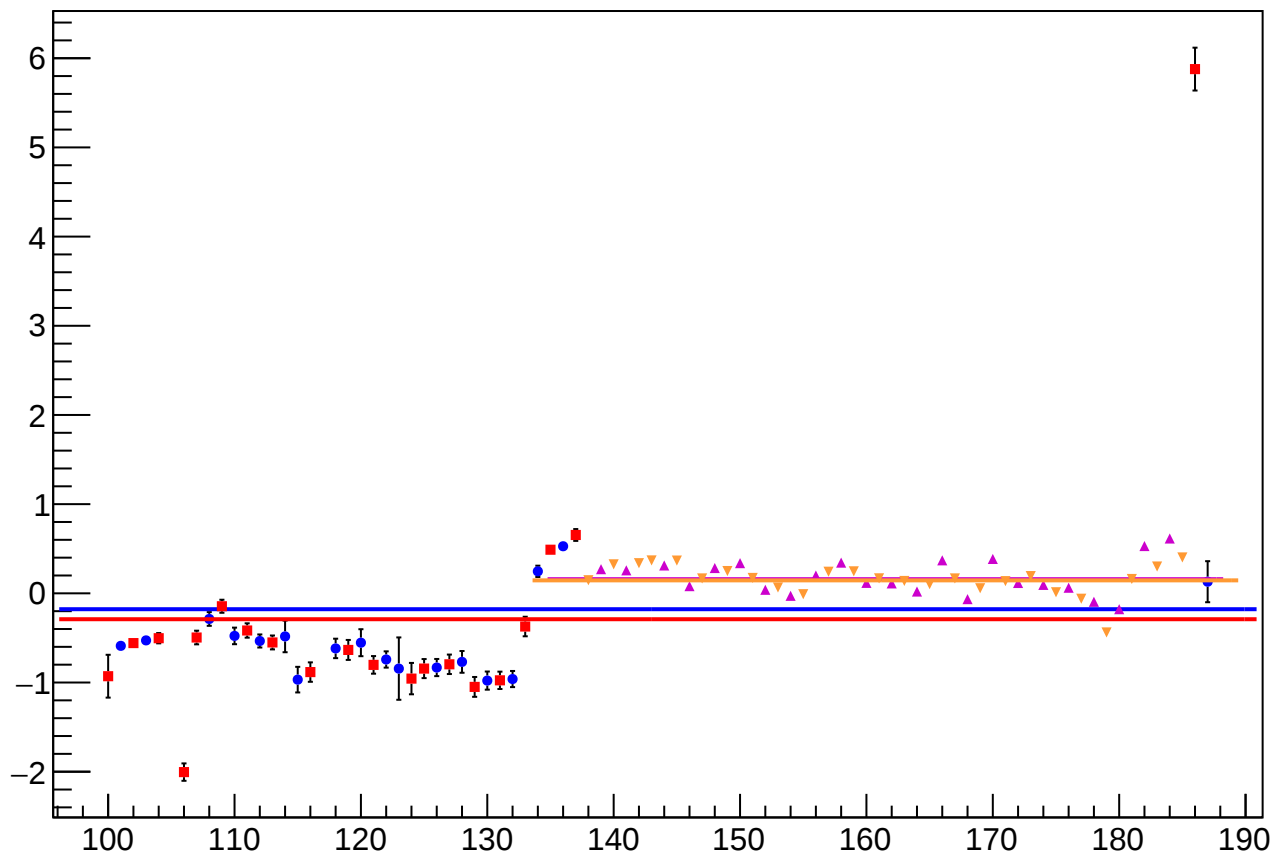
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.669 $\pm$ 0.089 χ^2 /NDF: 8268.7/42

All: 30.549 $\pm$ 0.064 χ^2 /NDF: 15505.5/85

- sign 30.423 $\pm$ 0.091 χ^2 /NDF: 7233.0/42

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.178 ± 0.018 χ^2/NDF : 997.0/17

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.290 ± 0.018 χ^2/NDF : 1836.9/19

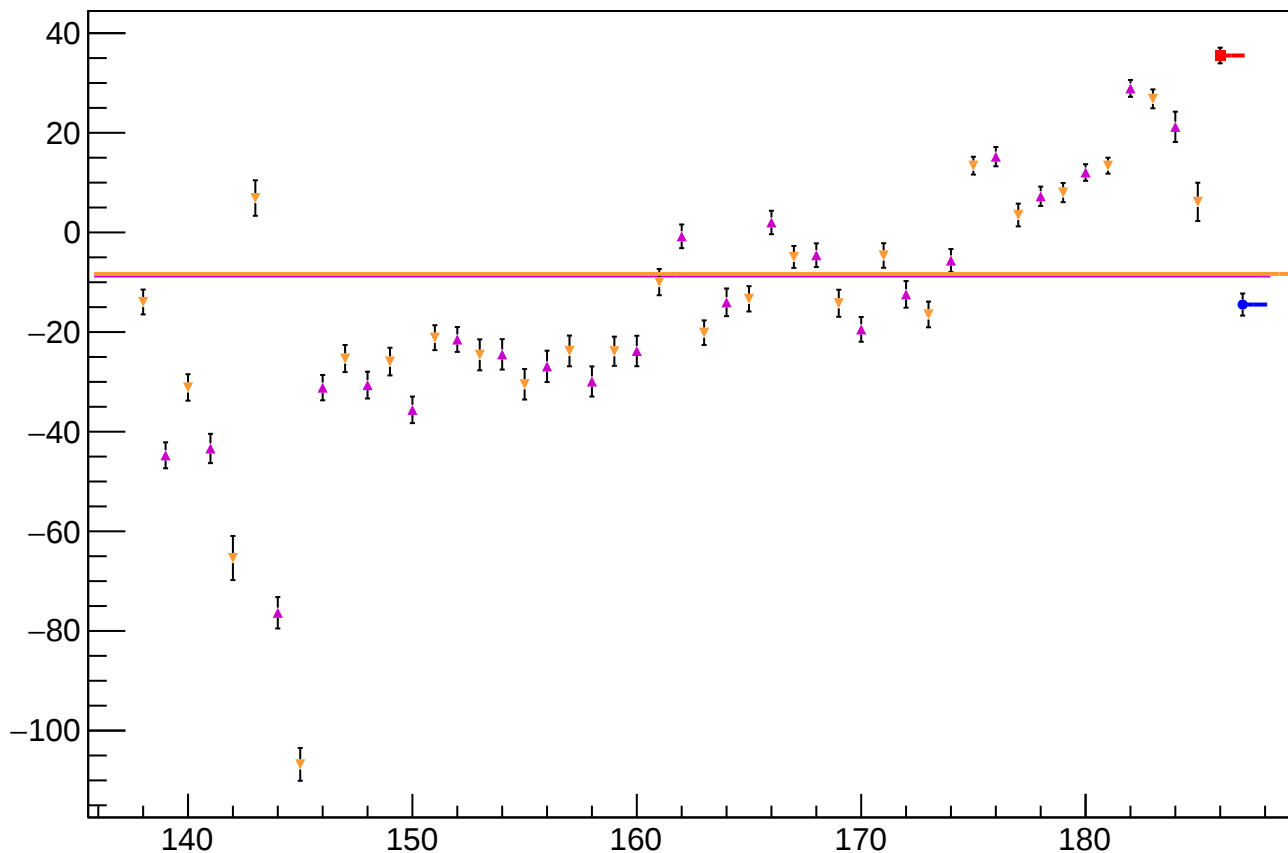
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.128 ± 0.004 χ^2/NDF : 2891.3/42

All: 0.131 ± 0.003 χ^2/NDF : 7318.3/85

- sign 0.135 ± 0.004 χ^2/NDF : 4425.7/42

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -14.478±2.220 χ^2 /NDF: 0.0/0

Left Out: -8.332±0.500 χ^2 /NDF:2226.2/24

Right Out: 35.518±1.571 χ^2 /NDF: 0.0/0

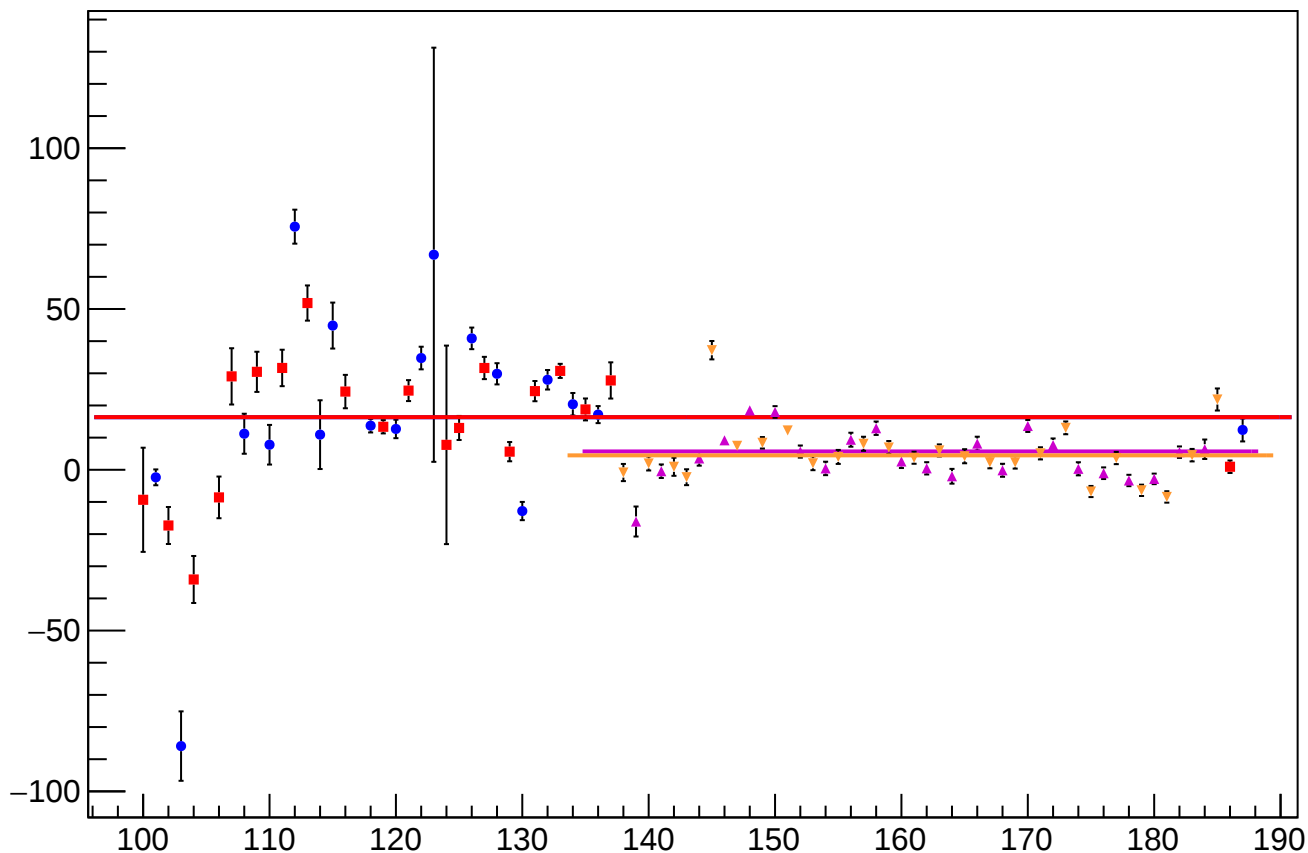
Left In: -8.652±0.507 χ^2 /NDF:2223.8/22

+ sign -8.628±0.487 χ^2 /NDF: 2233.5/25

All: -6.536±0.343 χ^2 /NDF: 5209.4/49

- sign -4.484±0.483 χ^2 /NDF: 2939.4/23

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.332 $\pm$ 0.836 χ^2 /NDF: 516.2/17

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 16.371 $\pm$ 0.815 χ^2 /NDF: 317.5/19

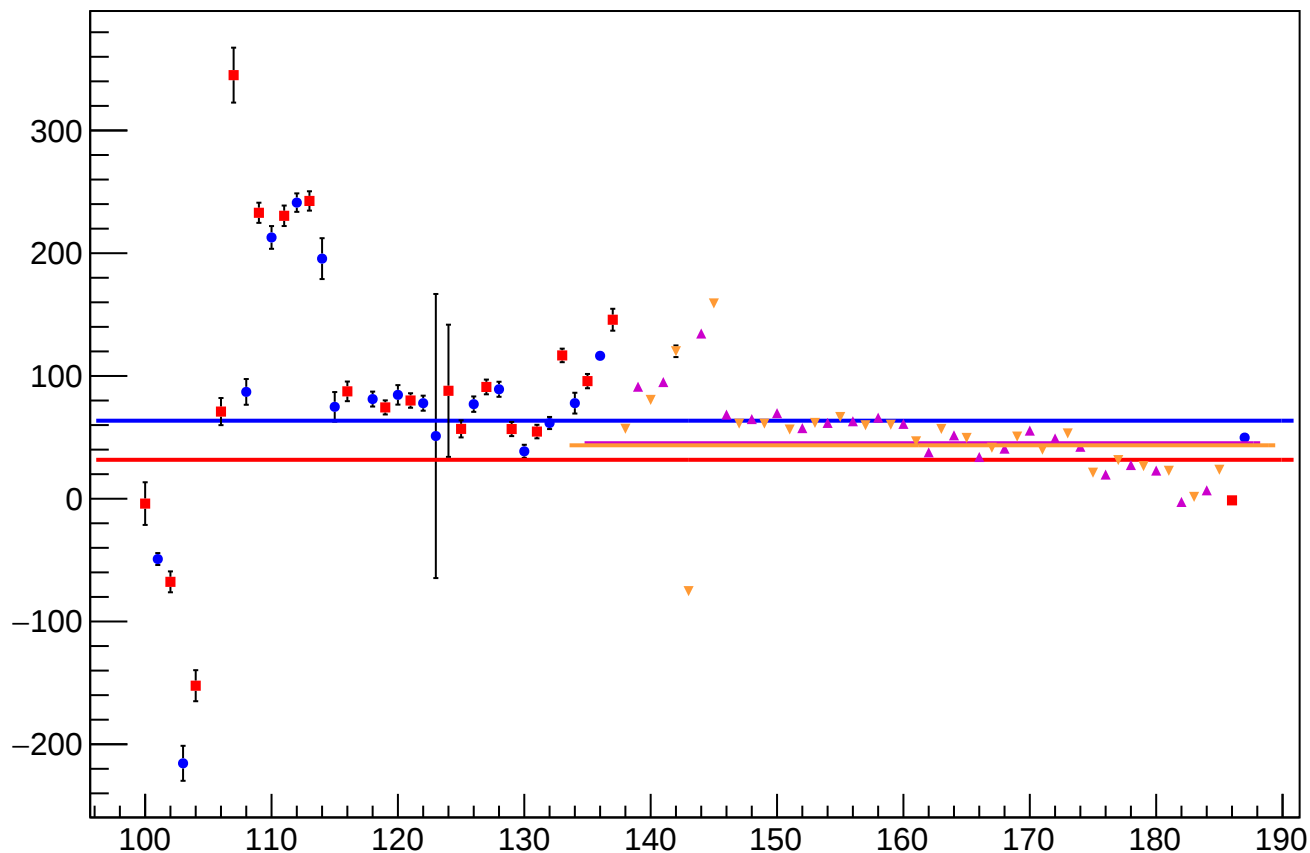
Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

+ sign 6.620 $\pm$ 0.355 χ^2 /NDF: 1052.6/42

All: 7.204 $\pm$ 0.253 χ^2 /NDF: 1837.2/85

- sign 7.812 $\pm$ 0.362 χ^2 /NDF: 779.1/42

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 63.564 $\pm$ 1.223 χ^2 /NDF: 2097.7/17

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF:3830.7/24

Right Out: 31.711 $\pm$ 1.014 χ^2 /NDF: 3977.4/19

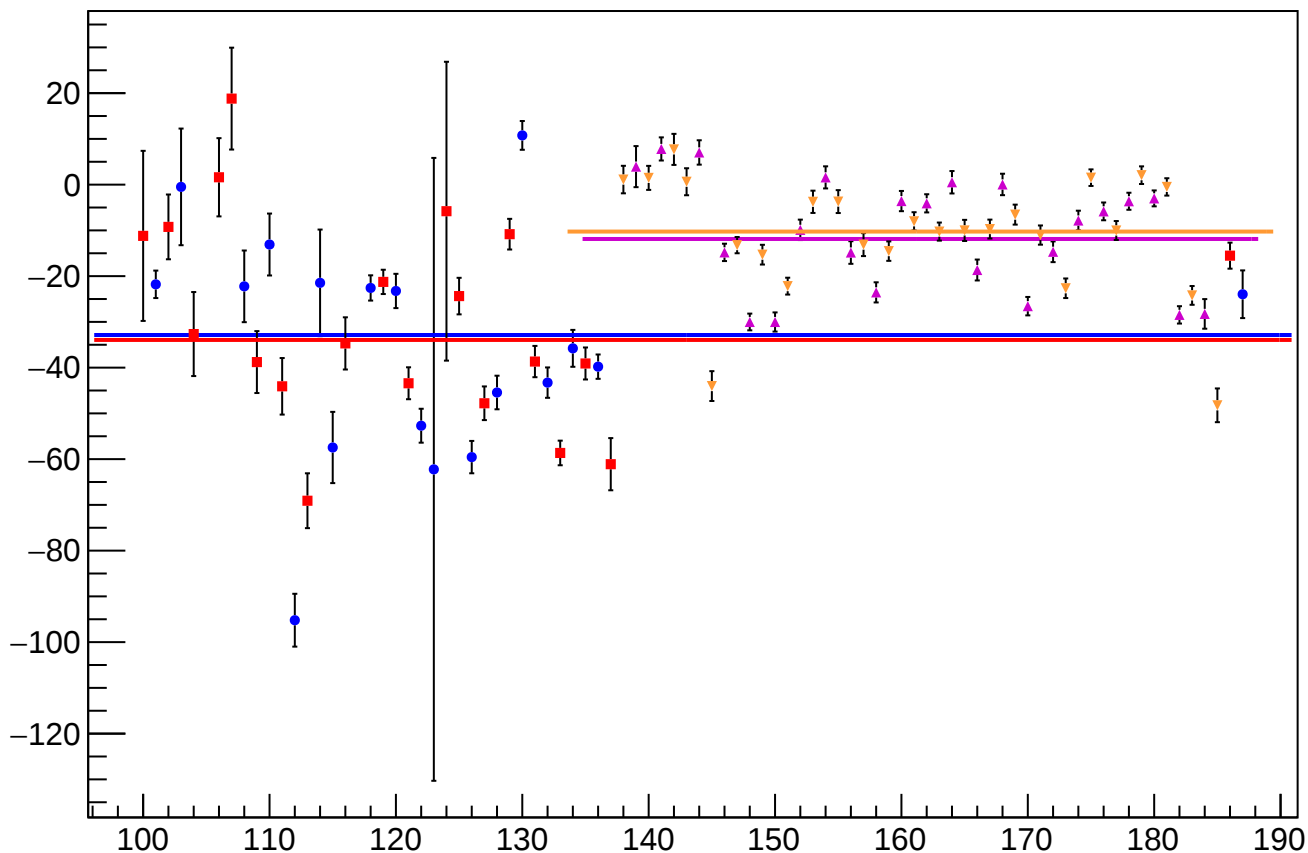
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF:3048.5/22

+ sign 46.378 $\pm$ 0.462 χ^2 /NDF: 6158.6/42

All: 44.414 $\pm$ 0.323 χ^2 /NDF: 13362.1/85

- sign 42.534 $\pm$ 0.452 χ^2 /NDF: 7168.0/42

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -32.865 ± 0.967 $\chi^2/\text{NDF}: 488.4/17$

Left Out: -10.257 ± 0.444 $\chi^2/\text{NDF}: 552.4/24$

Right Out: -33.945 ± 0.965 $\chi^2/\text{NDF}: 342.4/19$

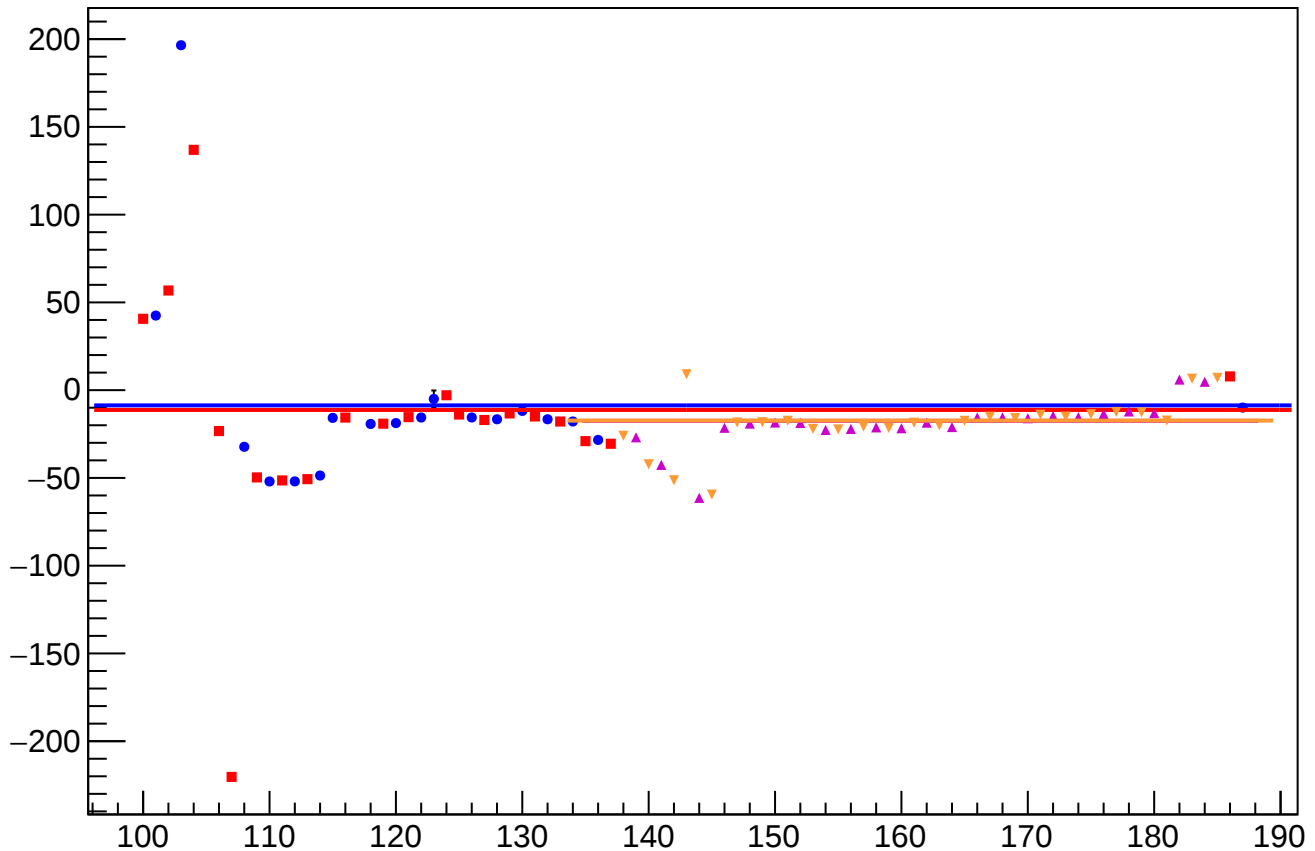
Left In: -11.877 ± 0.456 $\chi^2/\text{NDF}: 666.2/22$

+ sign -14.200 ± 0.404 $\chi^2/\text{NDF}: 1492.5/42$

All: -15.034 ± 0.288 $\chi^2/\text{NDF}: 2937.2/85$

- sign -15.904 ± 0.412 $\chi^2/\text{NDF}: 1436.0/42$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.680 ± 0.058 χ^2/NDF : 575578.2/17

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -11.274 ± 0.059 χ^2/NDF : 568070.3/19

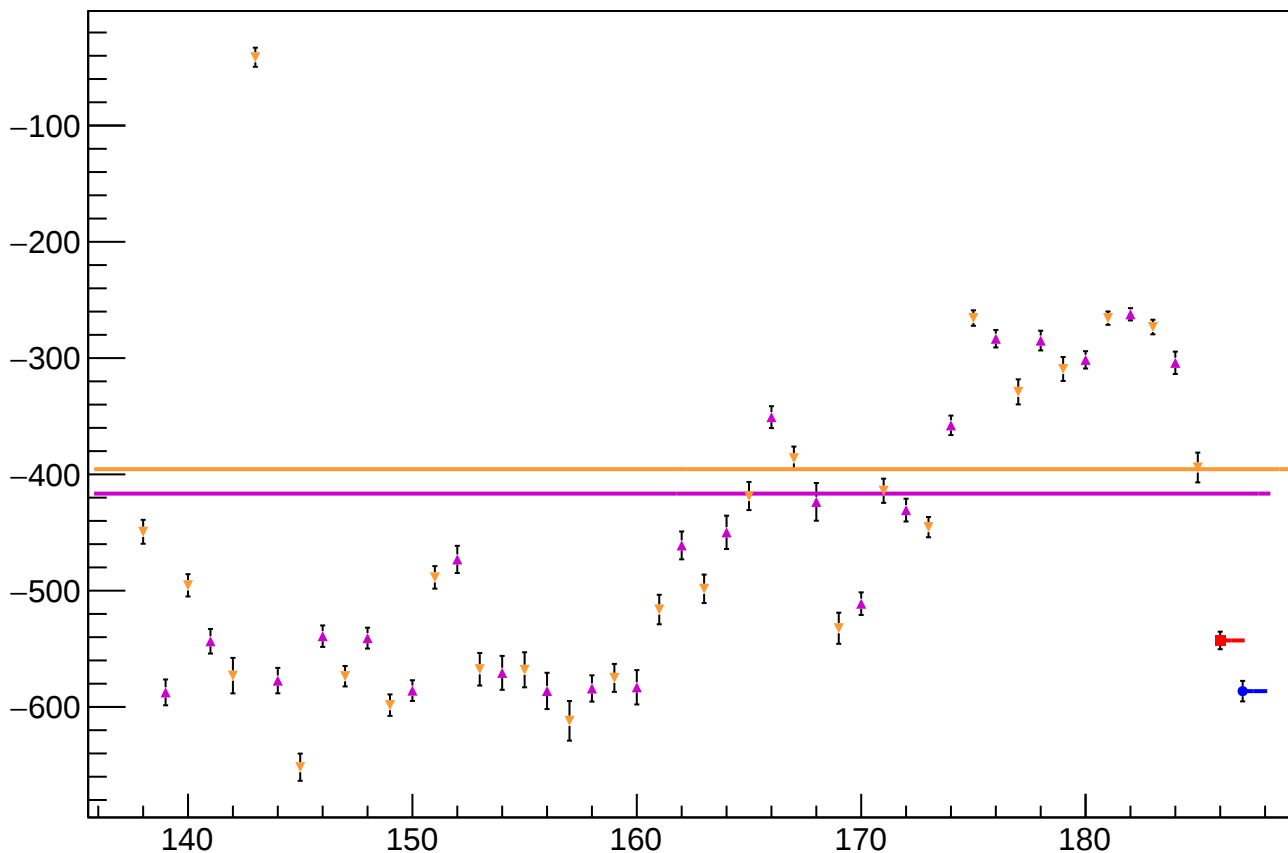
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -16.380 ± 0.019 χ^2/NDF : 920590.3/42

All: -16.594 ± 0.014 χ^2/NDF : 1757955.7/85

- sign -16.815 ± 0.020 χ^2/NDF : 837113.2/42

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -586.400 ± 8.817 χ^2/NDF : 0.0/0

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -542.818 ± 7.555 χ^2/NDF : 0.0/0

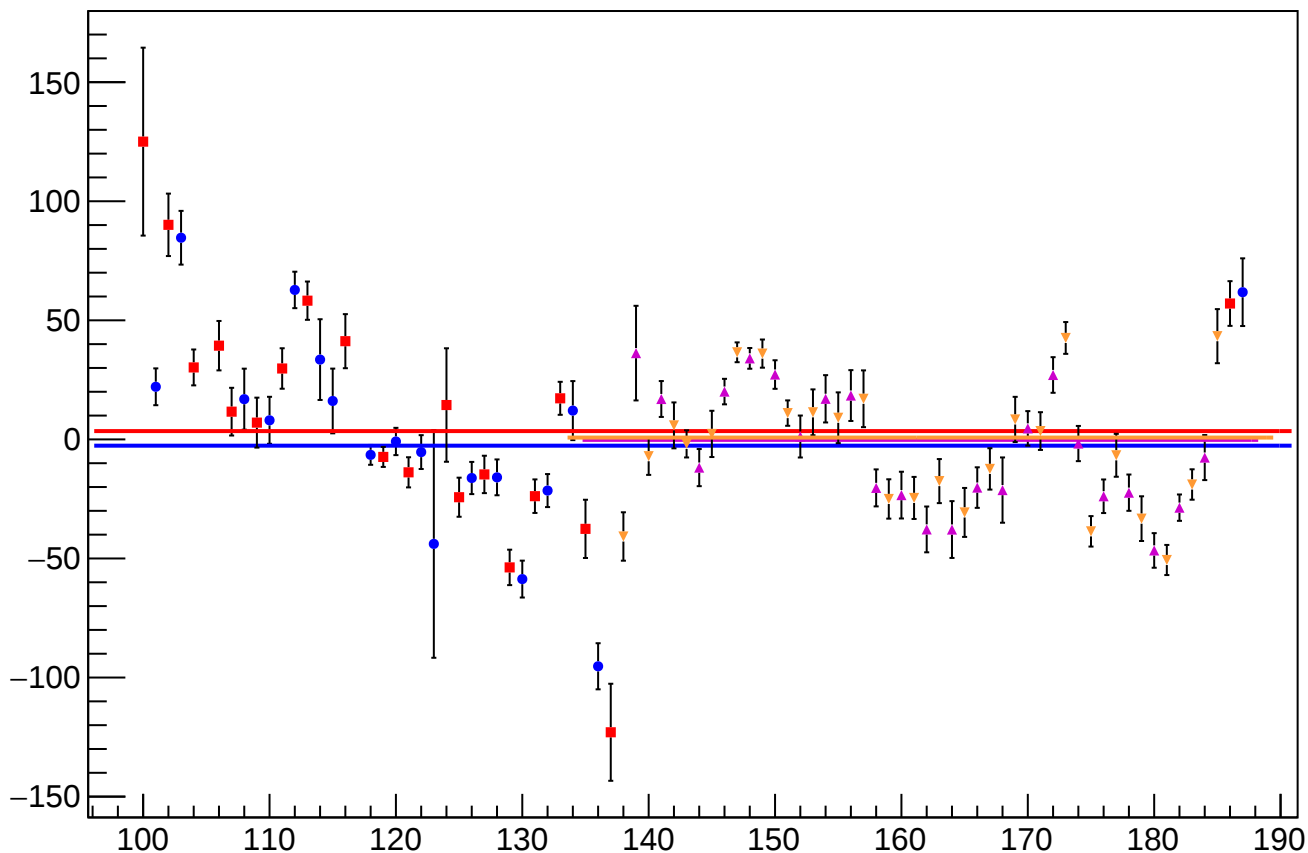
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -404.477 ± 1.907 χ^2/NDF : 6393.2/25

All: -414.493 ± 1.359 χ^2/NDF : 10627.3/49

- sign -424.830 ± 1.938 χ^2/NDF : 4178.1/23

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -2.637 ± 1.909 χ^2/NDF : 335.3/17

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 3.488 ± 1.878 χ^2/NDF : 337.3/19

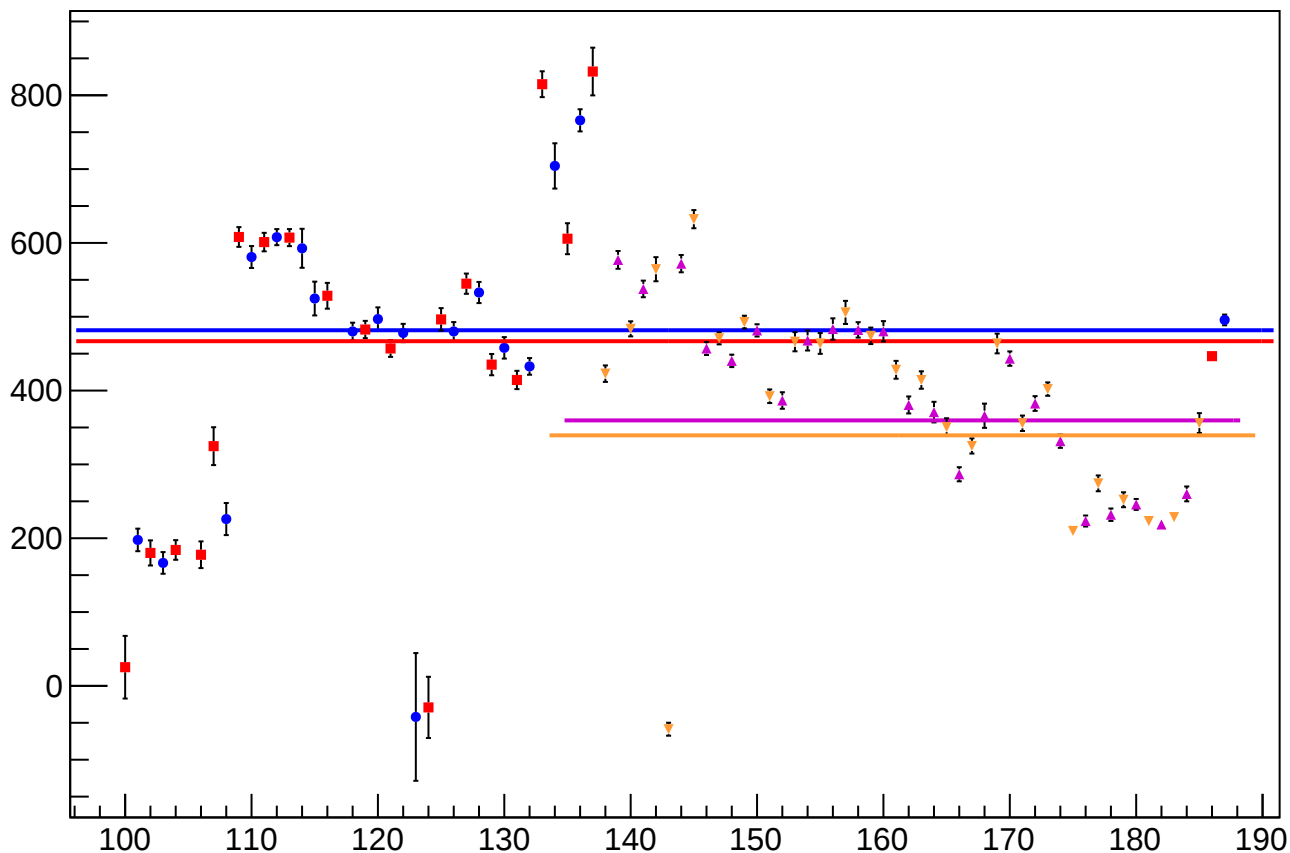
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign -0.535 ± 1.181 χ^2/NDF : 687.3/42

All: 0.373 ± 0.844 χ^2/NDF : 1288.9/85

- sign 1.321 ± 1.207 χ^2/NDF : 600.3/42

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 481.709 $\pm$ 3.274 χ^2 /NDF: 1632.2/17

Left Out: 339.355 $\pm$ 1.963 χ^2 /NDF: 5502.5/24

Right Out: 466.884 $\pm$ 3.052 χ^2 /NDF: 2300.7/19

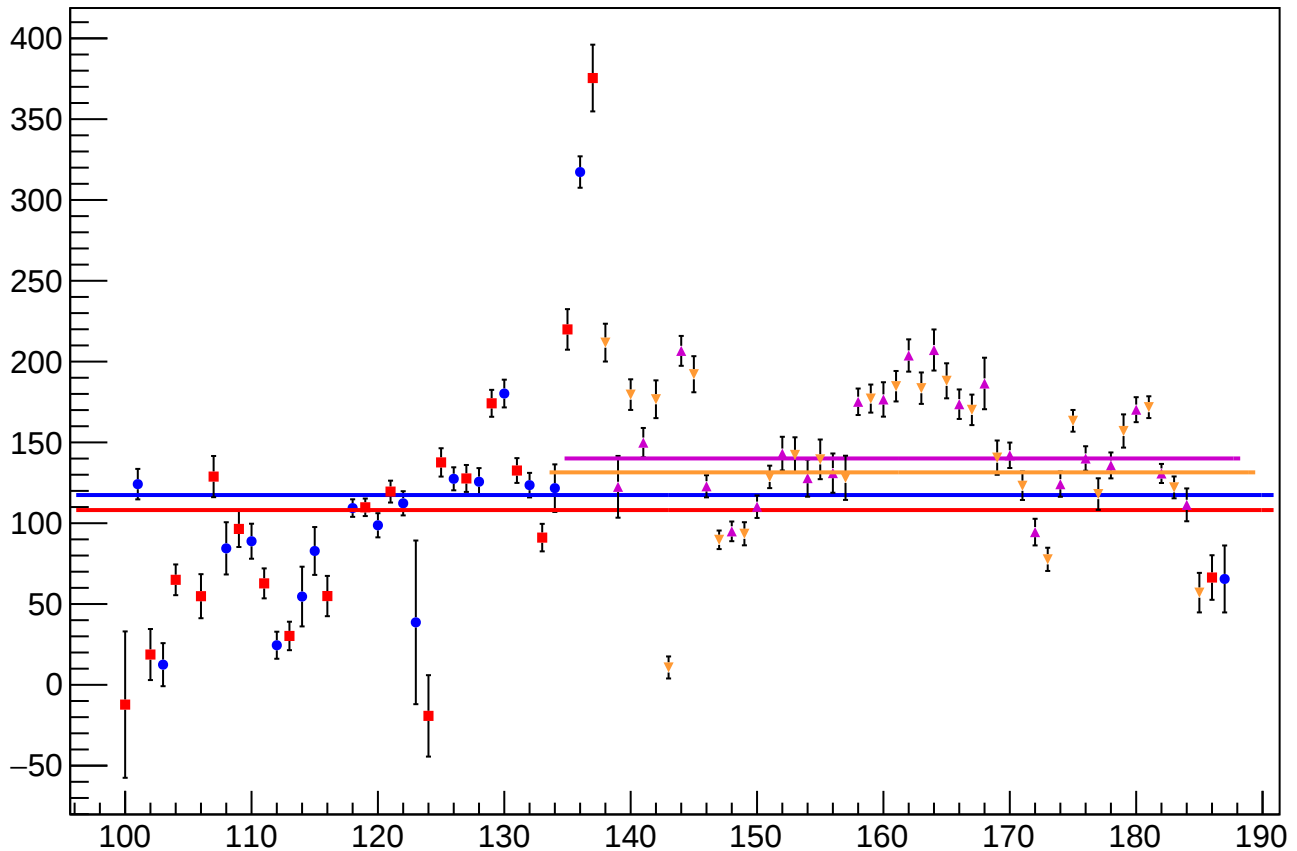
Left In: 359.609 $\pm$ 2.003 χ^2 /NDF: 3398.5/22

+ sign 376.983 $\pm$ 1.683 χ^2 /NDF: 8525.4/42

All: 384.478 $\pm$ 1.187 χ^2 /NDF: 15127.5/85

- sign 391.893 $\pm$ 1.674 χ^2 /NDF: 6562.7/42

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 117.434 $\pm$ 2.218 χ^2 /NDF: 711.4/17

Left Out: 131.464 $\pm$ 1.728 χ^2 /NDF: 809.3/24

Right Out: 108.137 $\pm$ 2.181 χ^2 /NDF: 577.5/19

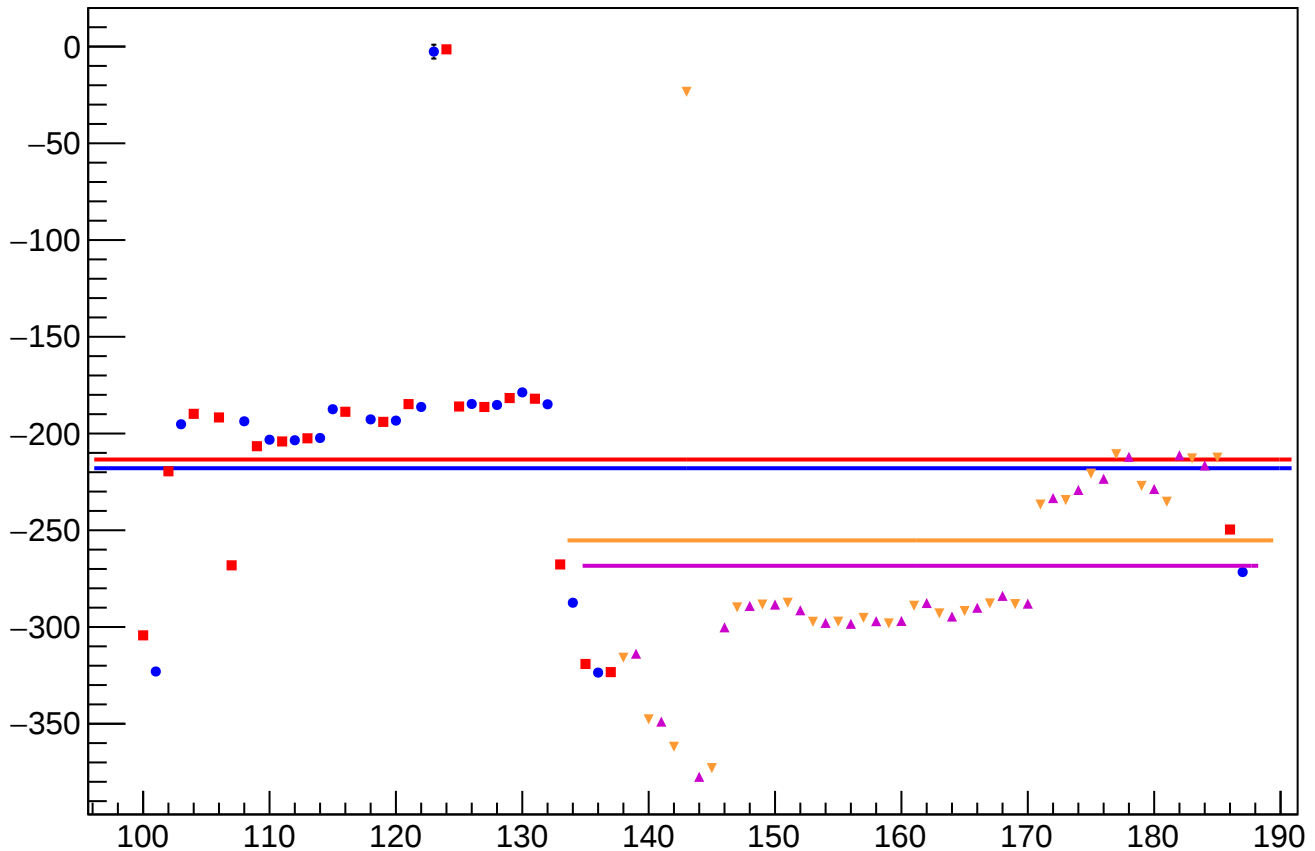
Left In: 140.069 $\pm$ 1.795 χ^2 /NDF: 316.5/22

+ sign 126.165 $\pm$ 1.363 χ^2 /NDF: 1545.6/42

All: 126.662 $\pm$ 0.972 χ^2 /NDF: 2567.7/85

- sign 127.176 $\pm$ 1.386 χ^2 /NDF: 1021.8/42

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.935 ± 0.136 $\chi^2/\text{NDF}: 148585.1/17$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -213.423 ± 0.129 $\chi^2/\text{NDF}: 116918.7/19$

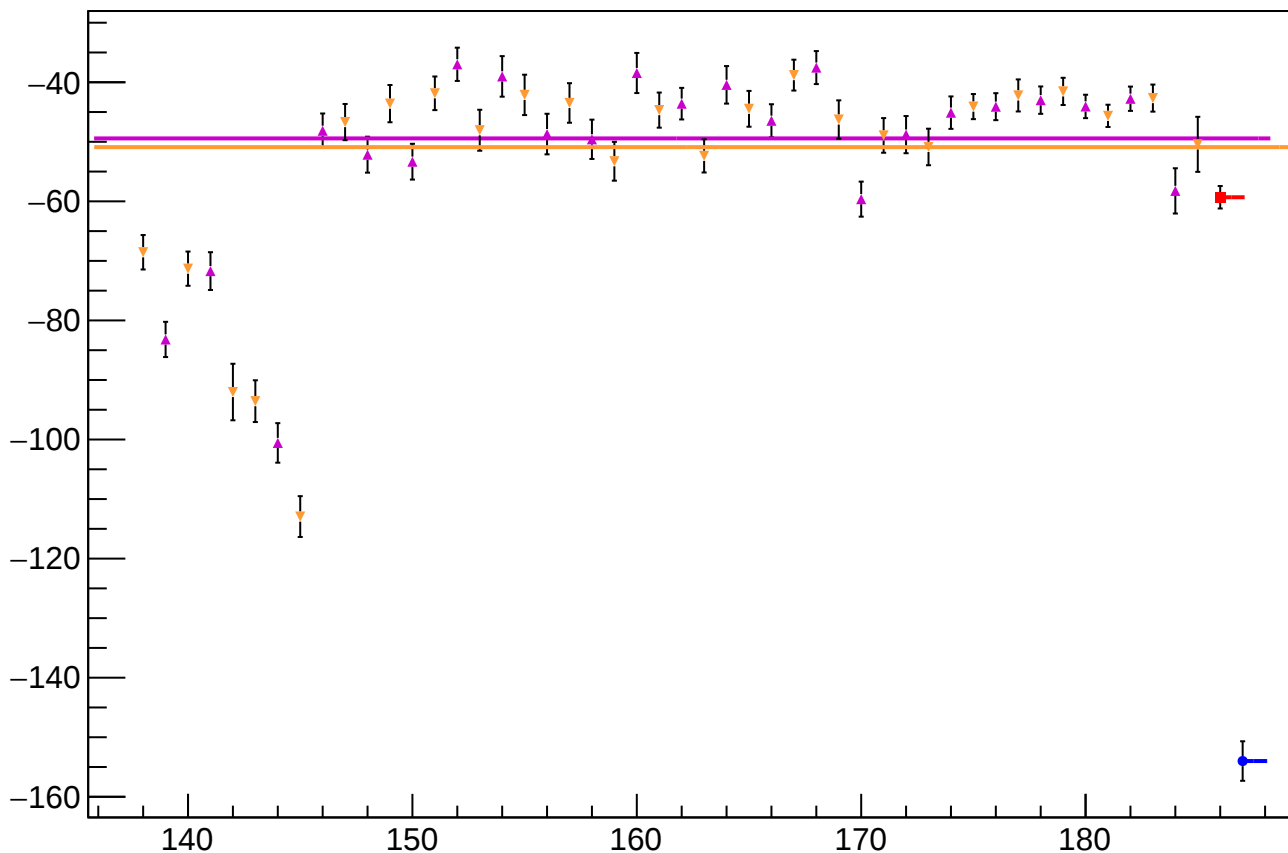
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.280 ± 0.070 $\chi^2/\text{NDF}: 931855.1/42$

All: -248.707 ± 0.050 $\chi^2/\text{NDF}: 1443418.1/85$

- sign -252.135 ± 0.070 $\chi^2/\text{NDF}: 506794.5/42$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -153.998 $\pm$ 3.318 χ^2 /NDF: 0.0/0

Left Out: -50.897 $\pm$ 0.573 χ^2 /NDF: 761.1/24

Right Out: -59.314 $\pm$ 1.886 χ^2 /NDF: 0.0/0

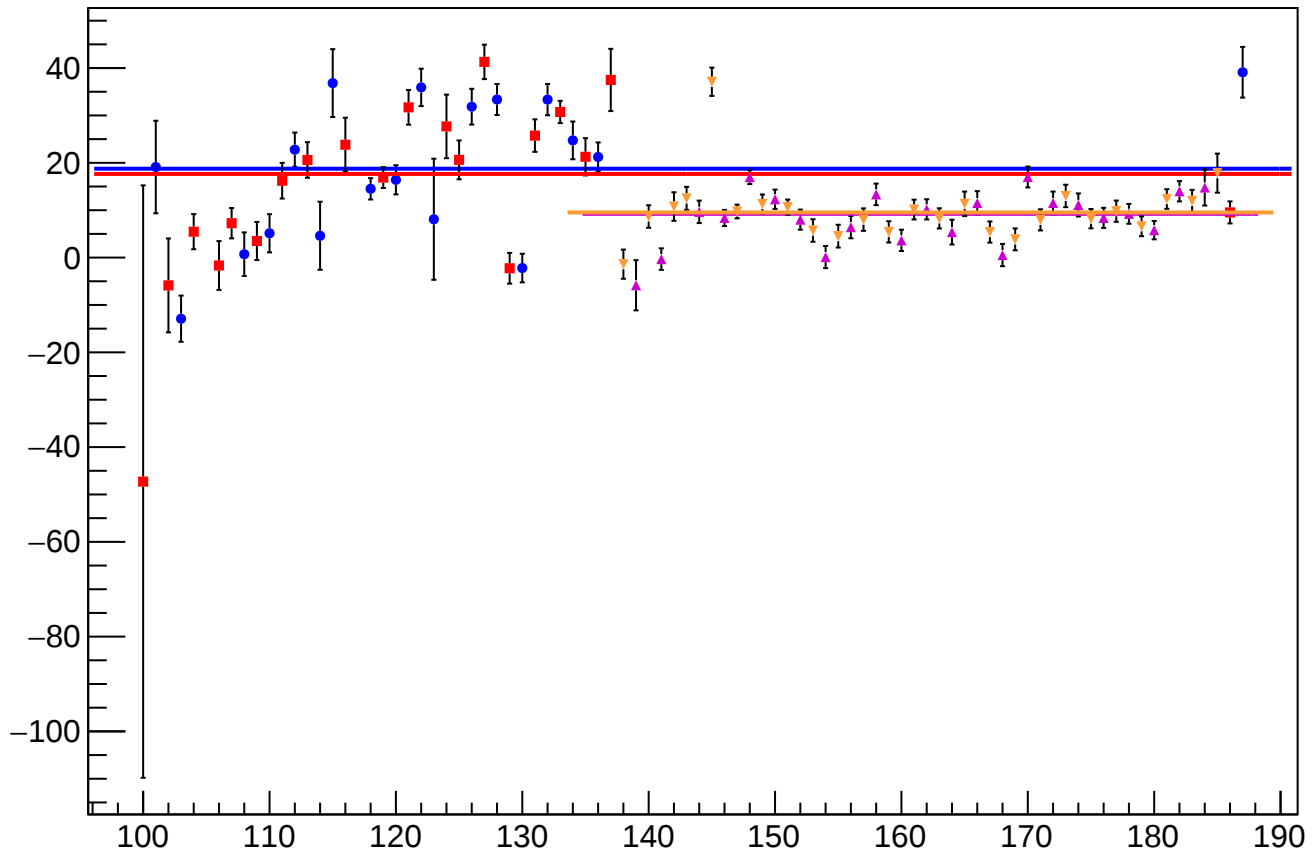
Left In: -49.432 $\pm$ 0.584 χ^2 /NDF: 543.4/22

+ sign -53.881 $\pm$ 0.564 χ^2 /NDF: 1698.7/25

All: -52.067 $\pm$ 0.397 χ^2 /NDF: 2287.6/49

- sign -50.296 $\pm$ 0.558 χ^2 /NDF: 568.5/23

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.757 ± 0.905 χ^2/NDF : 221.5/17

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 17.651 ± 0.810 χ^2/NDF : 212.9/19

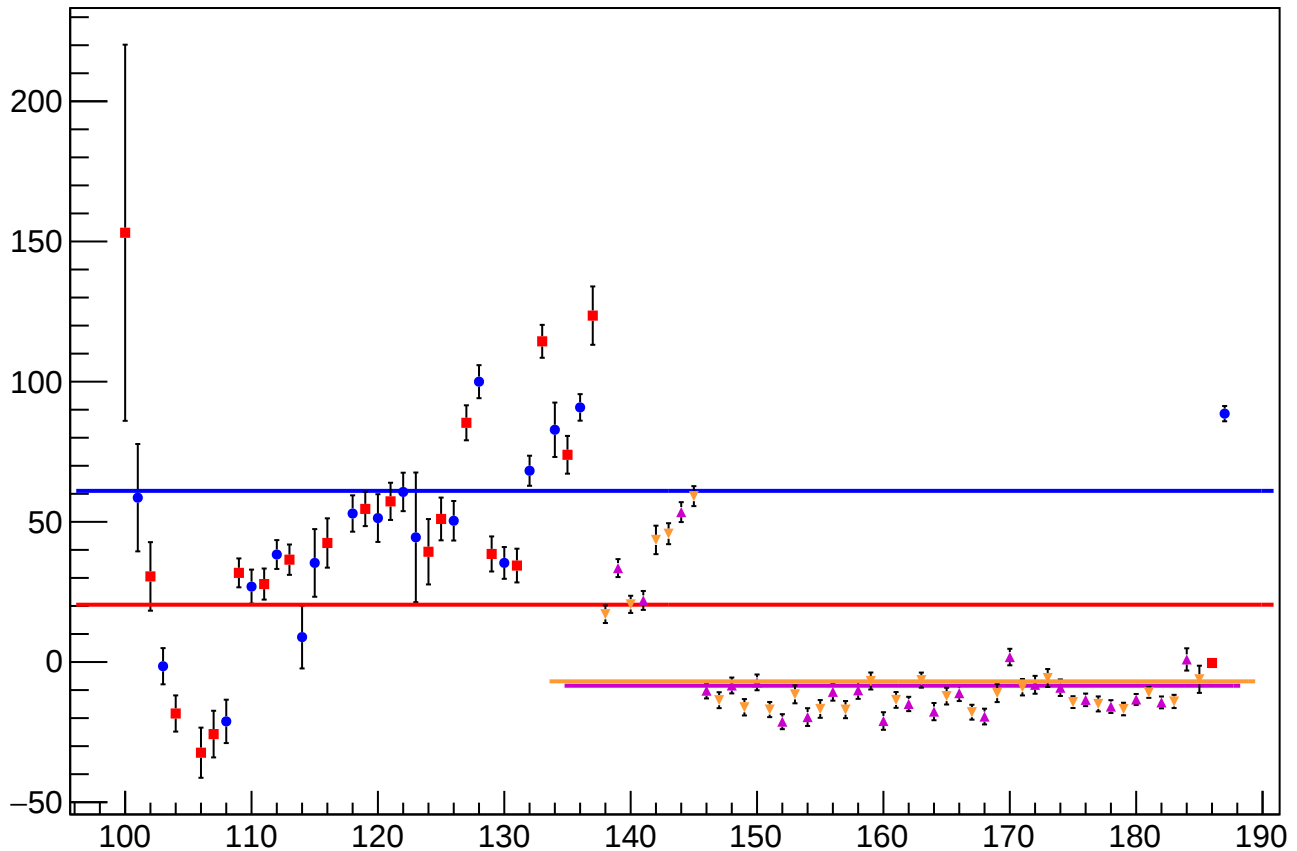
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.331 ± 0.400 χ^2/NDF : 439.4/42

All: 11.314 ± 0.283 χ^2/NDF : 857.9/85

- sign 11.297 ± 0.401 χ^2/NDF : 418.4/42

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 61.051 $\pm$ 1.431 χ^2 /NDF: 502.5/17

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 20.449 $\pm$ 1.100 χ^2 /NDF: 937.1/19

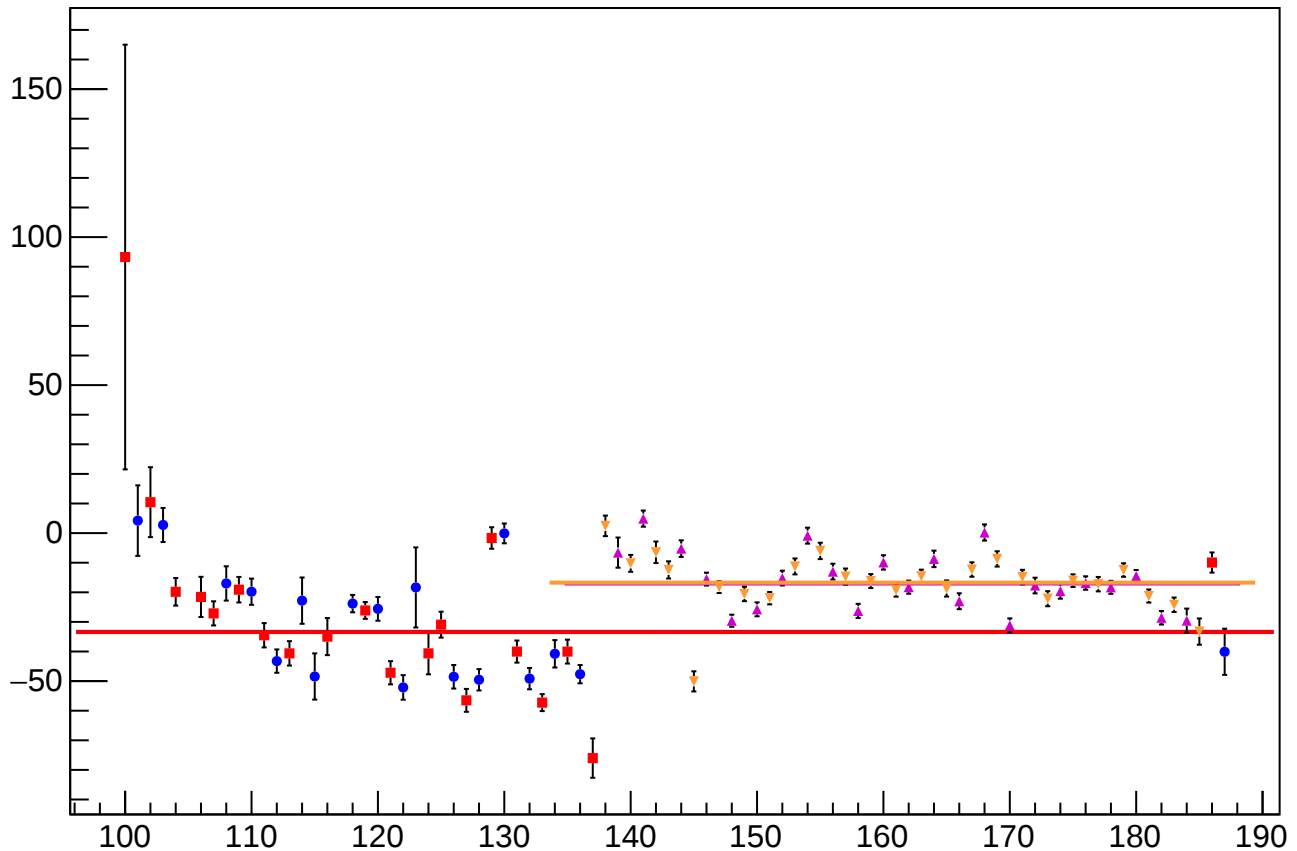
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign 2.447 $\pm$ 0.530 χ^2 /NDF: 3362.1/42

All: 0.064 $\pm$ 0.369 χ^2 /NDF: 5567.5/85

- sign -2.166 $\pm$ 0.513 χ^2 /NDF: 2166.3/42

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.359 ± 1.036 χ^2/NDF : 292.1/17

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -33.432 ± 0.953 χ^2/NDF : 340.7/19

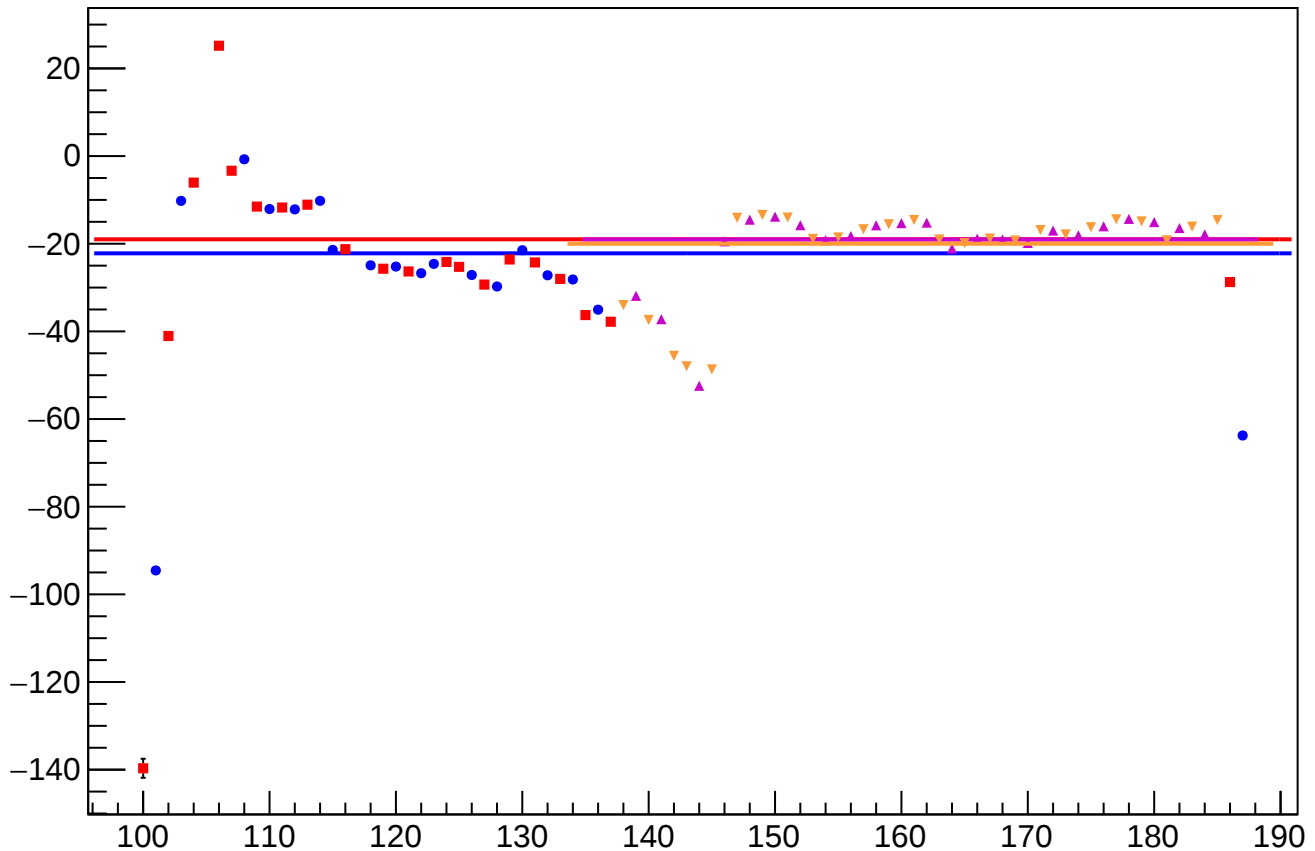
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.942 ± 0.455 χ^2/NDF : 723.2/42

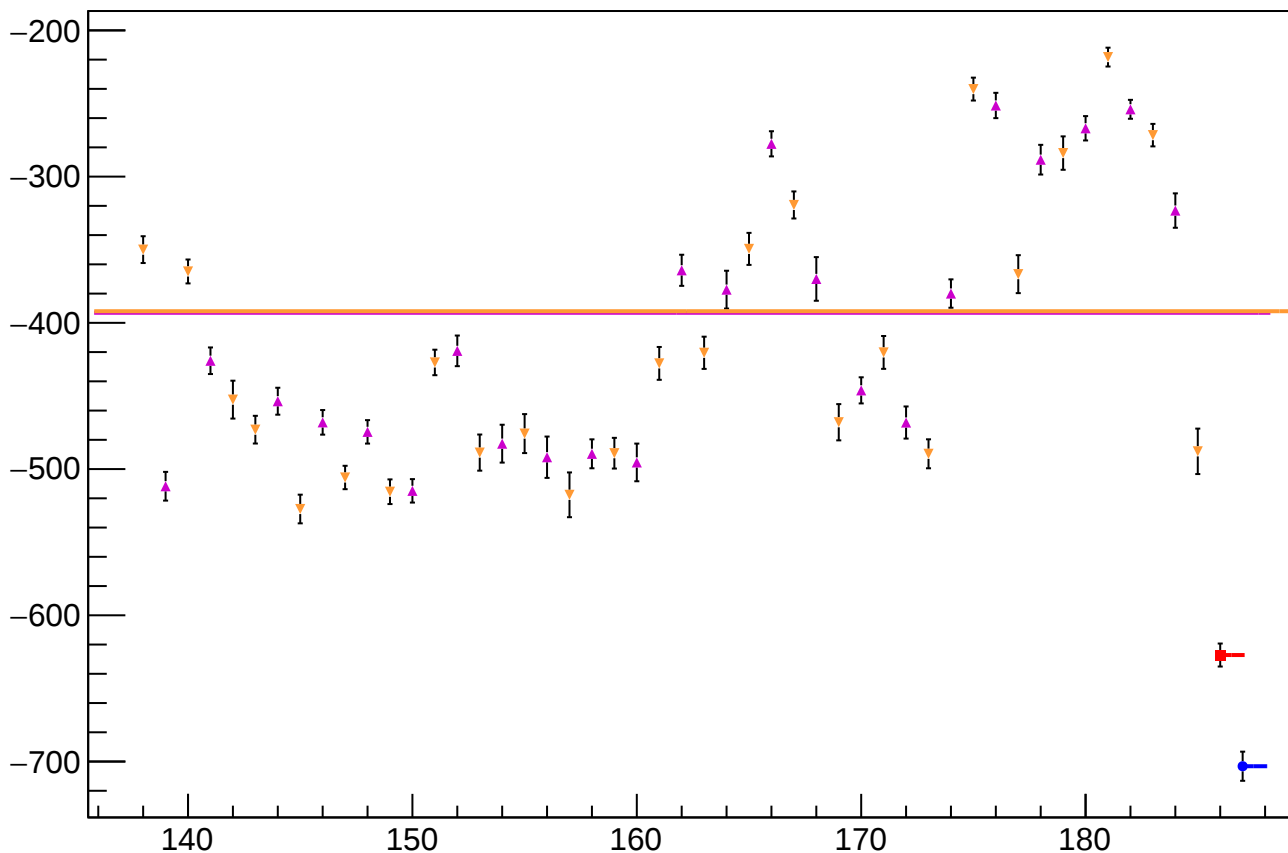
All: -20.371 ± 0.323 χ^2/NDF : 1621.2/85

- sign -20.806 ± 0.458 χ^2/NDF : 896.2/42

reg_asym_atr1_diff_bpm12X_slope vs Slug



reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -703.210 ± 9.965 χ^2/NDF : 0.0/0

Left Out: -392.054 ± 1.967 χ^2/NDF : 2717.2/24

Right Out: -627.170 ± 7.862 χ^2/NDF : 0.0/0

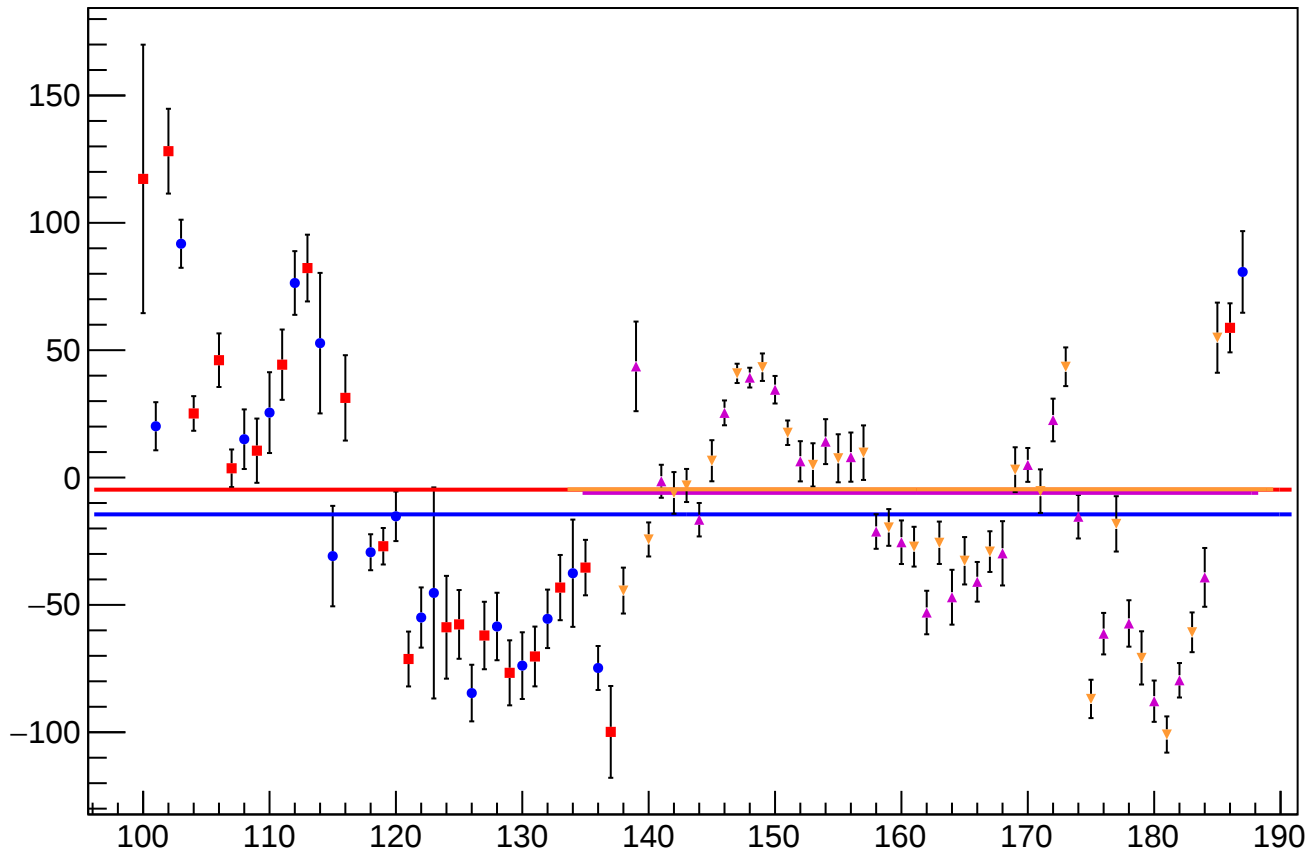
Left In: -393.113 ± 2.006 χ^2/NDF : 2253.3/22

+ sign -403.720 ± 1.929 χ^2/NDF : 3655.7/25

All: -405.553 ± 1.369 χ^2/NDF : 6742.9/49

- sign -407.412 ± 1.943 χ^2/NDF : 3085.4/23

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -14.460 ± 2.783 χ^2/NDF : 398.4/17

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: -4.757 ± 2.520 χ^2/NDF : 416.0/19

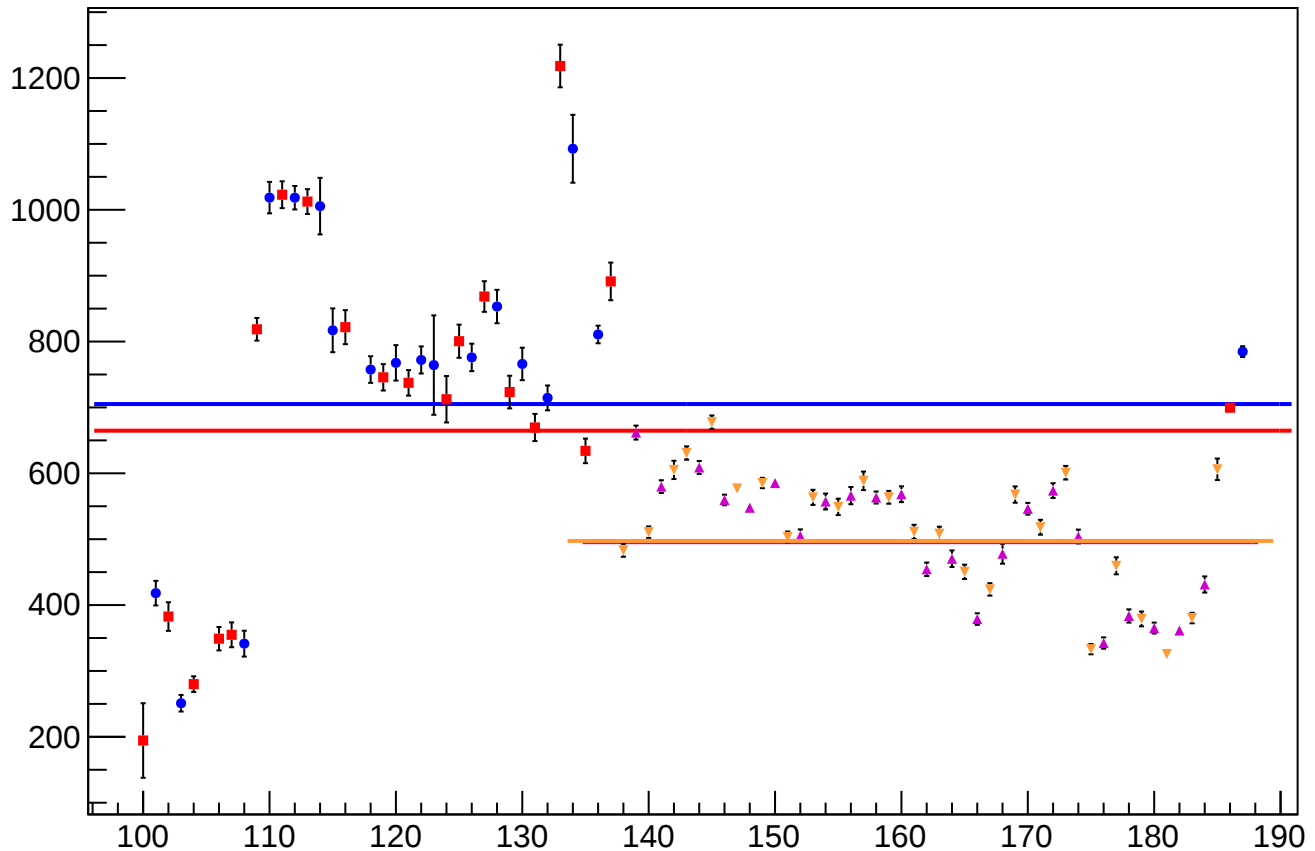
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -6.752 ± 1.294 χ^2/NDF : 1181.1/42

All: -6.220 ± 0.917 χ^2/NDF : 2251.7/85

- sign -5.683 ± 1.299 χ^2/NDF : 1070.3/42

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 705.132 $\pm$ 4.314 χ^2 /NDF: 2711.6/17

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 664.727 $\pm$ 3.794 χ^2 /NDF: 3168.9/19

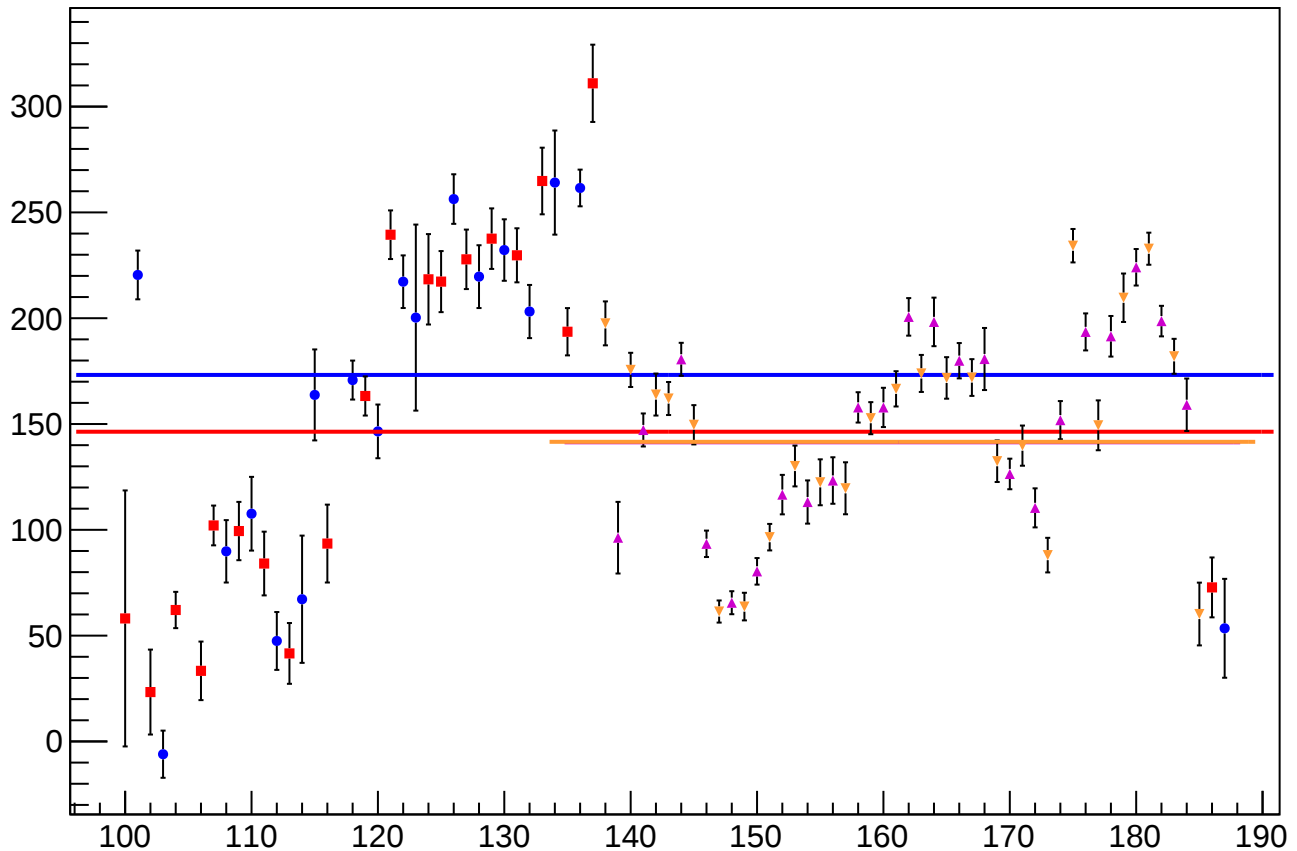
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 533.107 $\pm$ 1.789 χ^2 /NDF: 7246.6/42

All: 532.563 $\pm$ 1.256 χ^2 /NDF: 14229.8/85

- sign 532.033 $\pm$ 1.764 χ^2 /NDF: 6982.9/42

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 173.199 $\pm$ 3.215 χ^2 /NDF: 662.2/17

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 146.360 $\pm$ 2.978 χ^2 /NDF: 719.5/19

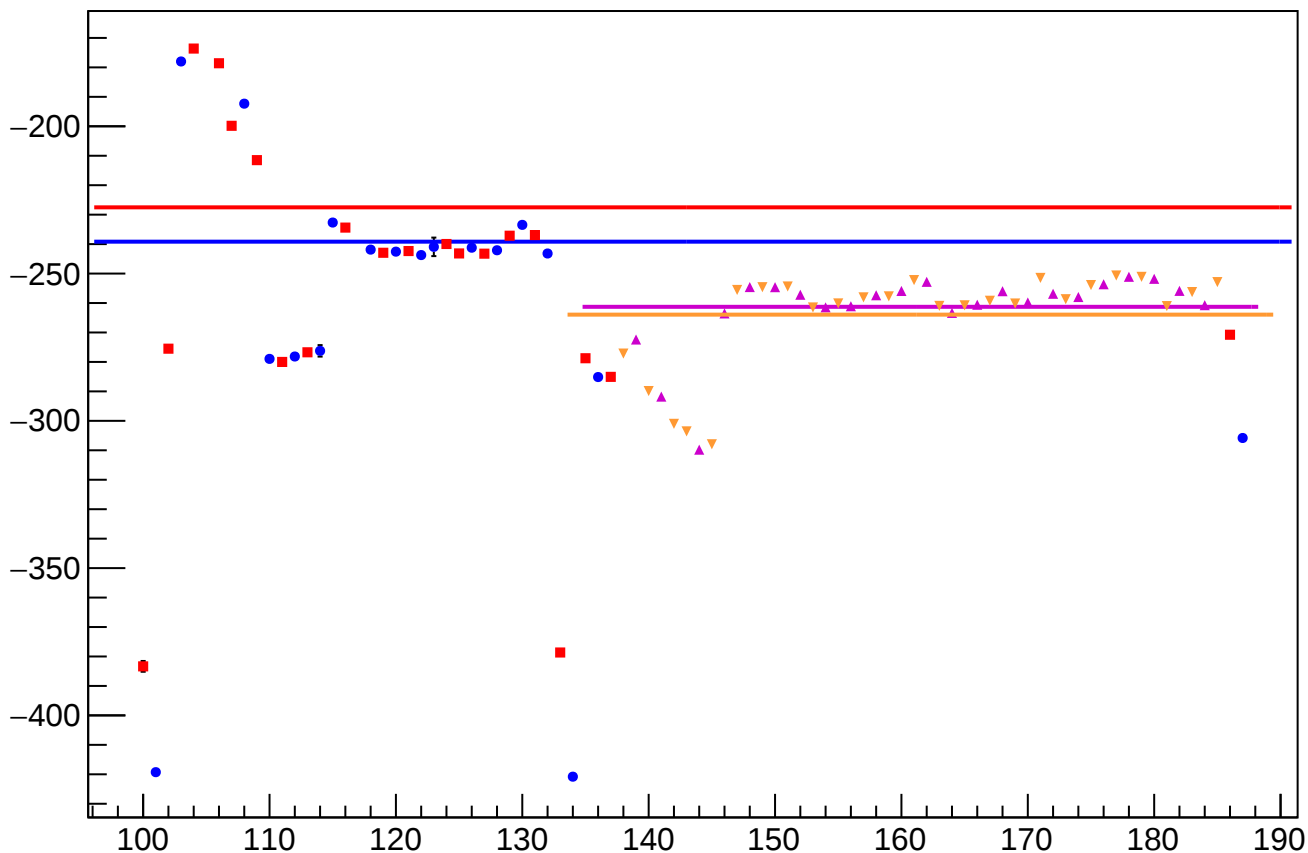
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 148.487 $\pm$ 1.502 χ^2 /NDF: 1697.4/42

All: 145.575 $\pm$ 1.064 χ^2 /NDF: 3167.8/85

- sign 142.642 $\pm$ 1.507 χ^2 /NDF: 1462.9/42

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -239.170+/-0.159 χ^2 /NDF: 169654.7/17

Left Out: -263.943+/-0.081 χ^2 /NDF:39085.0/24

Right Out: -227.518+/-0.150 χ^2 /NDF: 104373.9/19

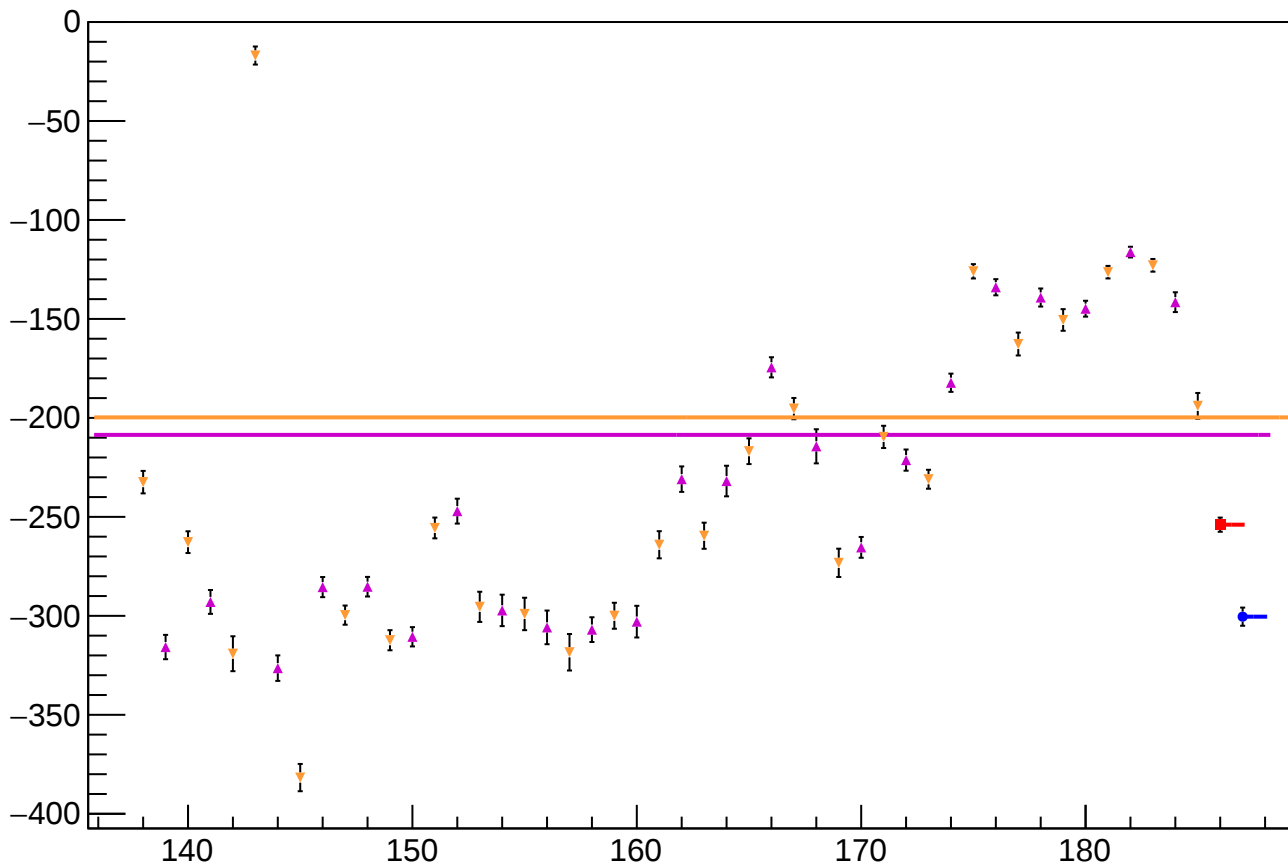
Left In: -261.286+/-0.082 χ^2 /NDF:23348.4/22

+ sign -258.836+/-0.072 χ^2 /NDF: 227906.1/42

All: -256.148+/-0.051 χ^2 /NDF: 397517.6/85

- sign -253.496+/-0.072 χ^2 /NDF: 166871.8/42

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -300.418 ± 4.592 χ^2/NDF : 0.0/0

Left Out: -199.741 ± 1.061 χ^2/NDF : 6361.5/24

Right Out: -253.947 ± 3.589 χ^2/NDF : 0.0/0

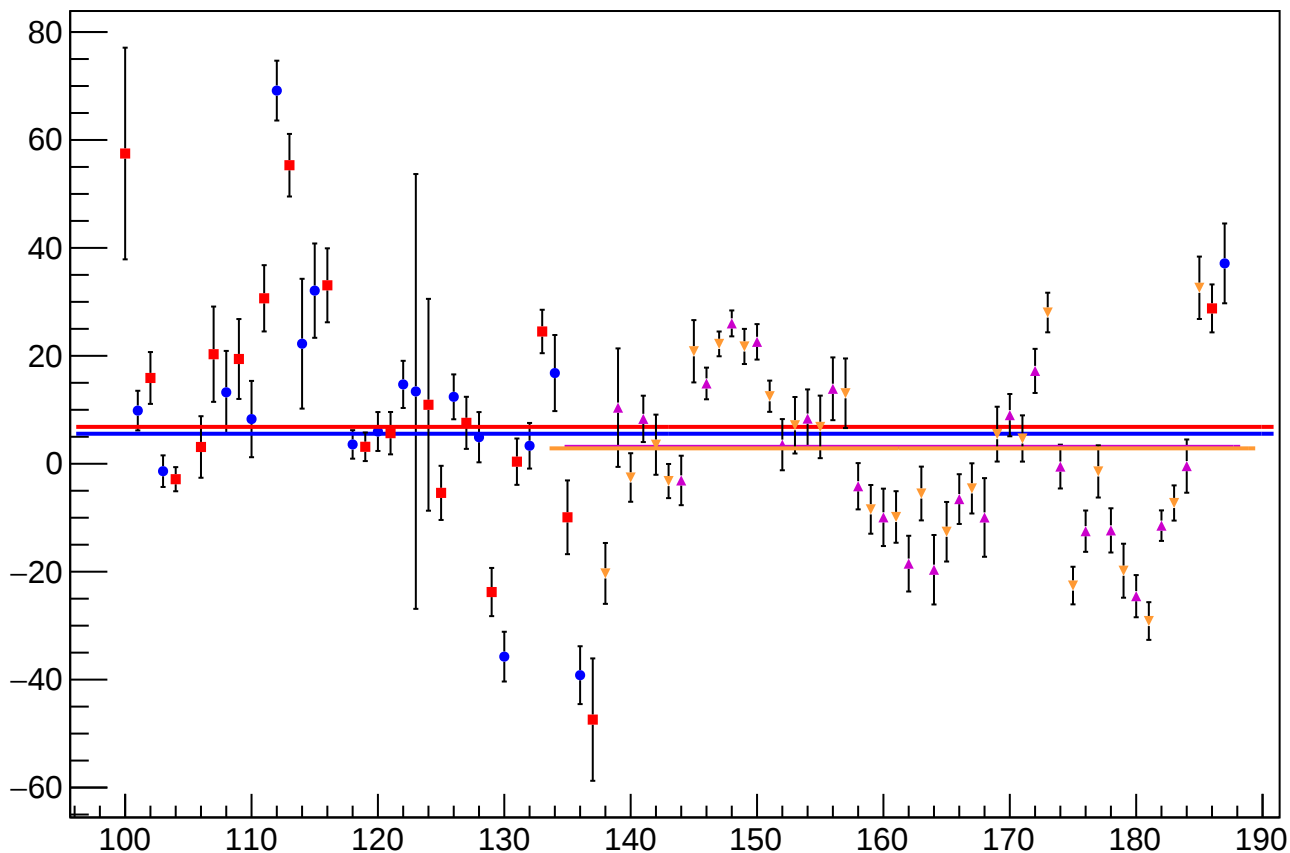
Left In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

+ sign -204.846 ± 1.034 χ^2/NDF : 6817.9/25

All: -208.595 ± 0.732 χ^2/NDF : 11795.8/49

- sign -212.361 ± 1.036 χ^2/NDF : 4951.6/23

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 5.562 ± 1.095 $\chi^2/\text{NDF}: 329.5/17$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 6.834 ± 1.040 $\chi^2/\text{NDF}: 264.2/19$

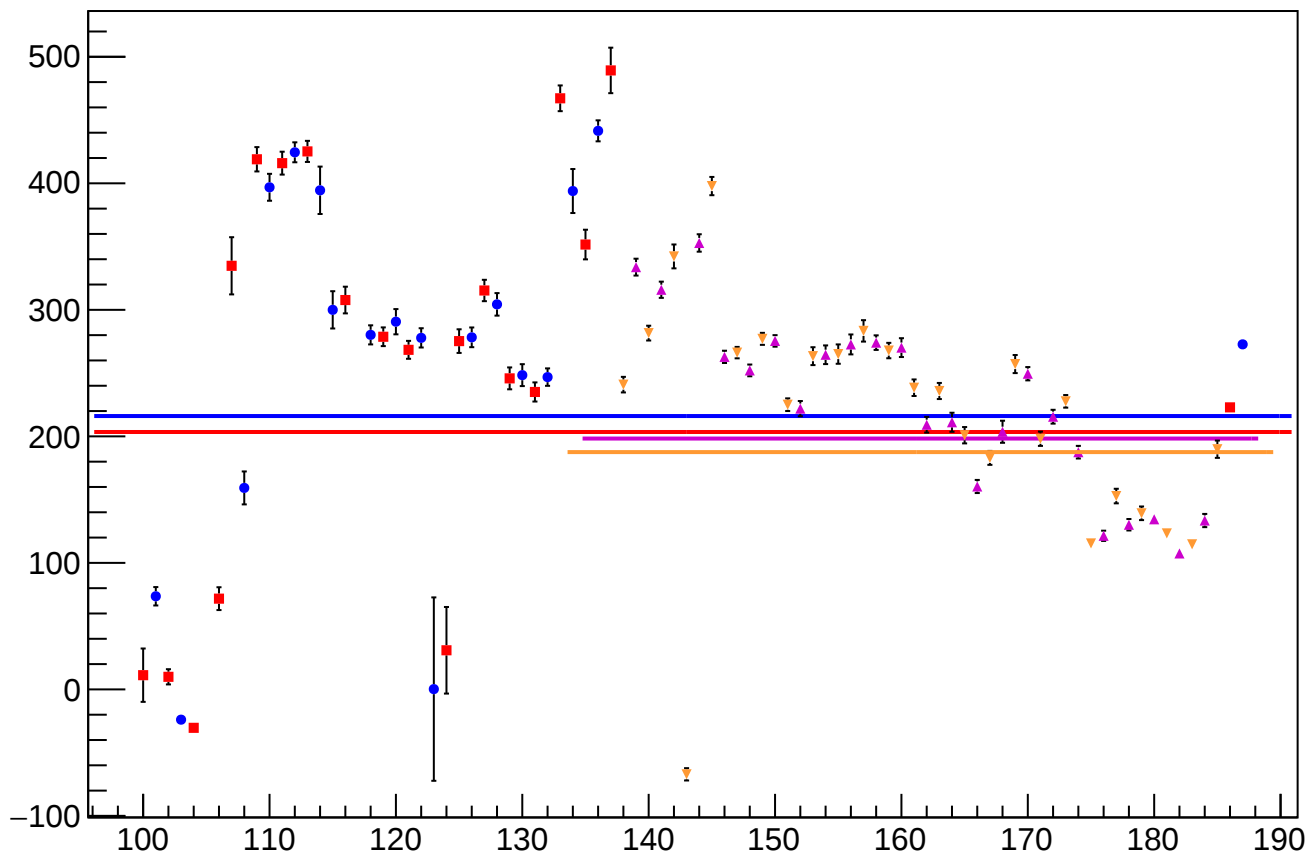
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 3.826 ± 0.656 $\chi^2/\text{NDF}: 753.3/42$

All: 4.225 ± 0.466 $\chi^2/\text{NDF}: 1345.5/85$

- sign 4.630 ± 0.661 $\chi^2/\text{NDF}: 591.5/42$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 216.060 $\pm$ 1.758 χ^2 /NDF: 7005.8/17

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 203.450 $\pm$ 1.599 χ^2 /NDF: 8309.7/19

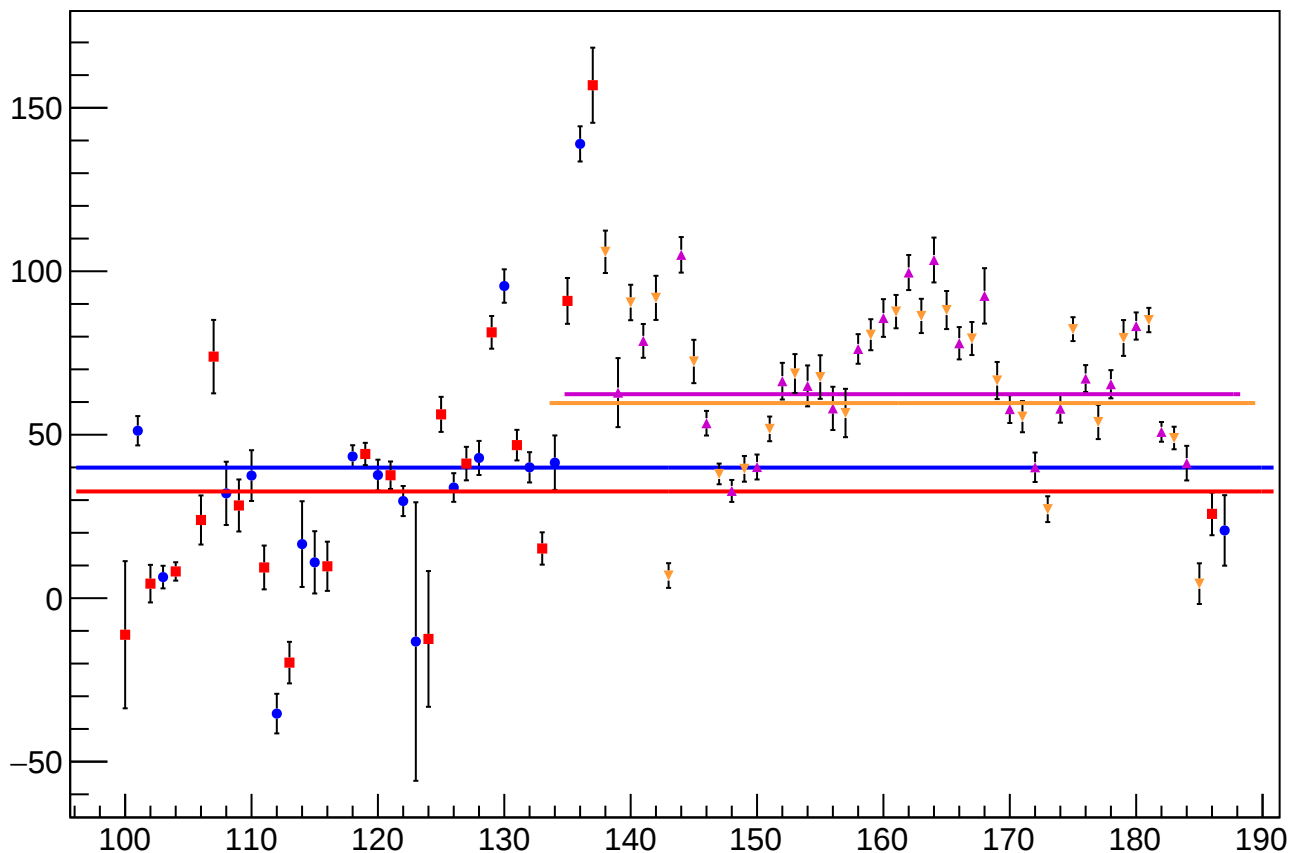
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 195.226 $\pm$ 0.911 χ^2 /NDF: 14279.9/42

All: 197.600 $\pm$ 0.639 χ^2 /NDF: 27126.0/85

- sign 199.895 $\pm$ 0.896 χ^2 /NDF: 12832.7/42

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 39.941 ± 1.277 $\chi^2/\text{NDF}: 737.1/17$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 32.645 ± 1.230 $\chi^2/\text{NDF}: 550.9/19$

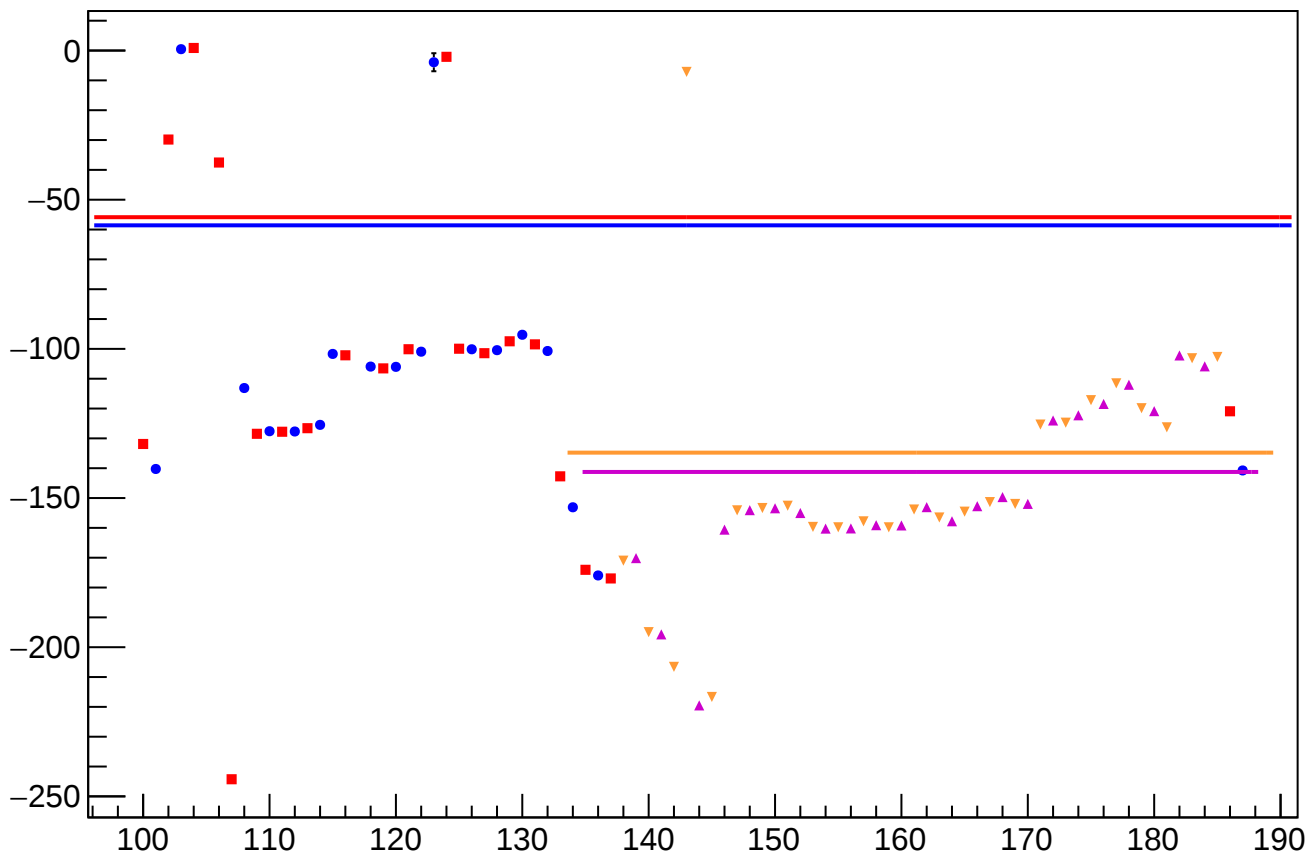
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 52.735 ± 0.757 $\chi^2/\text{NDF}: 1649.7/42$

All: 51.840 ± 0.538 $\chi^2/\text{NDF}: 2969.4/85$

- sign 50.931 ± 0.764 $\chi^2/\text{NDF}: 1316.8/42$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -58.591 ± 0.062 χ^2/NDF : 1118658.9/17

Left Out: -134.780 ± 0.045 χ^2/NDF : 804747.3/24

Right Out: -55.862 ± 0.060 χ^2/NDF : 1019833.2/19

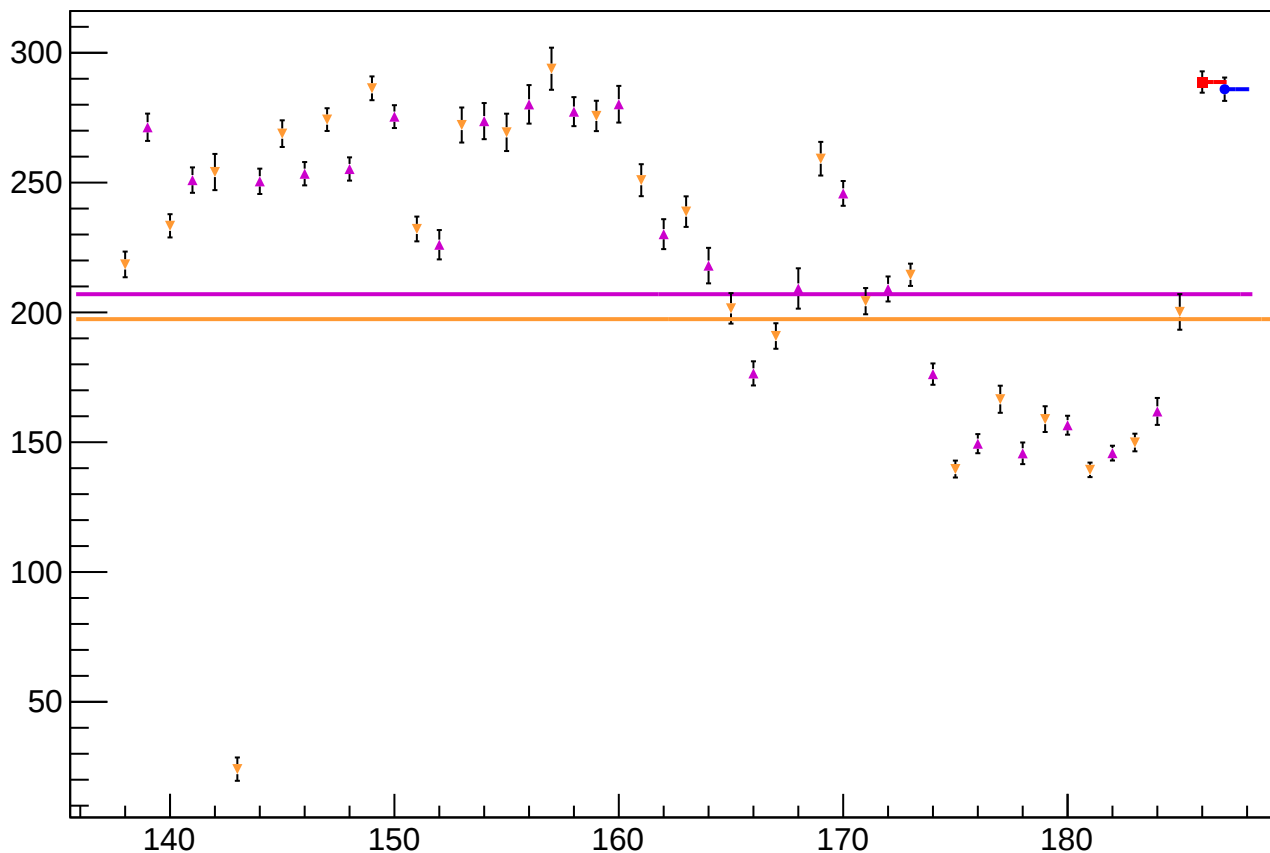
Left In: -141.255 ± 0.045 χ^2/NDF : 347229.8/22

+ sign -108.608 ± 0.036 χ^2/NDF : 2930247.6/42

All: -109.358 ± 0.026 χ^2/NDF : 5594750.4/85

- sign -110.110 ± 0.036 χ^2/NDF : 2663636.1/42

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 285.970 $\pm$ 4.498 χ^2 /NDF: 0.0/0

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF:4384.2/24

Right Out: 288.742 $\pm$ 4.111 χ^2 /NDF: 0.0/0

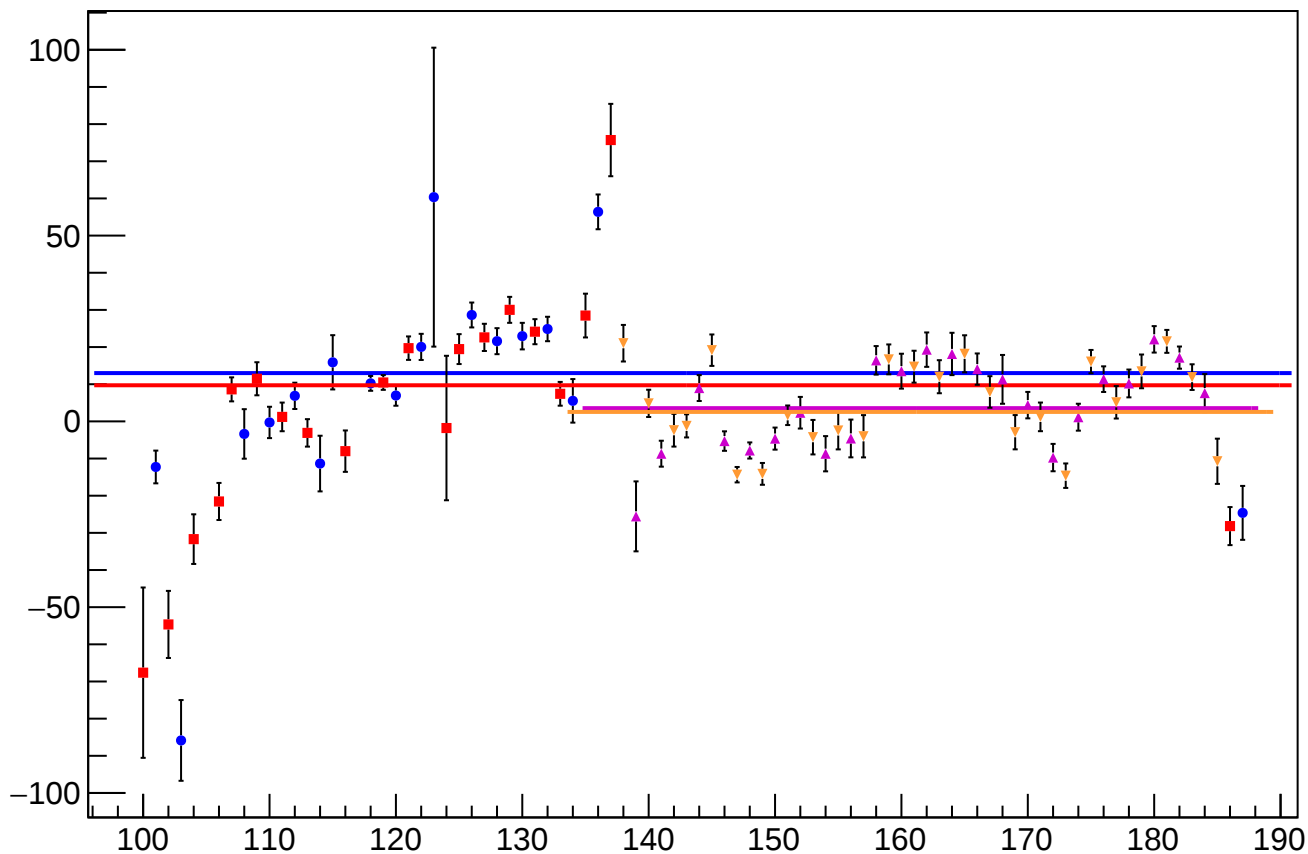
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF:2611.5/22

+ sign 201.288 $\pm$ 0.942 χ^2 /NDF: 4754.8/25

All: 206.279 $\pm$ 0.673 χ^2 /NDF: 7797.4/49

- sign 211.497 $\pm$ 0.963 χ^2 /NDF: 2985.1/23

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 12.997 ± 0.930 $\chi^2/\text{NDF}: 320.6/17$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: 9.718 ± 0.900 $\chi^2/\text{NDF}: 359.3/19$

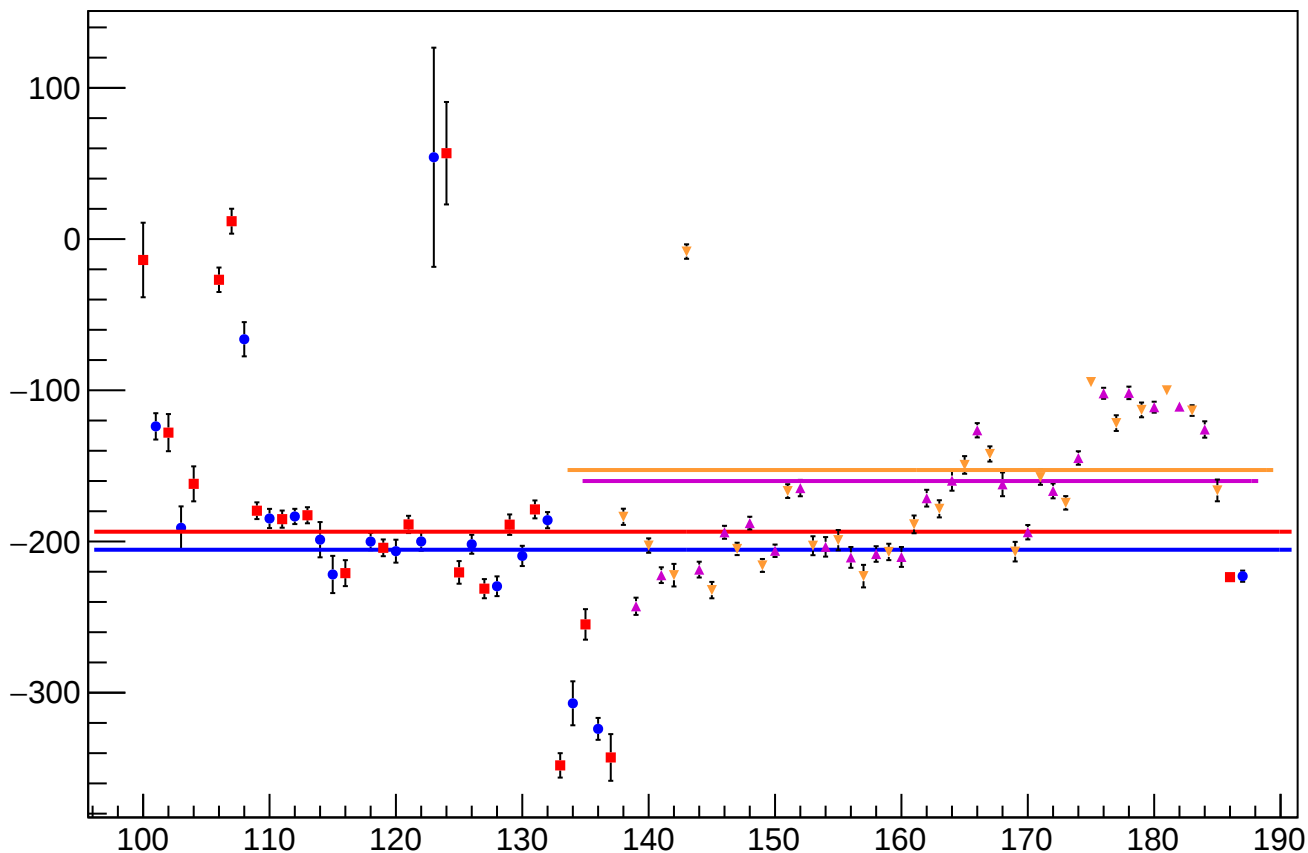
Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

+ sign 6.603 ± 0.580 $\chi^2/\text{NDF}: 673.2/42$

All: 6.392 ± 0.412 $\chi^2/\text{NDF}: 1251.7/85$

- sign 6.176 ± 0.587 $\chi^2/\text{NDF}: 578.2/42$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -205.462 ± 1.618 χ^2/NDF : 652.6/17

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -193.536 ± 1.512 χ^2/NDF : 1851.1/19

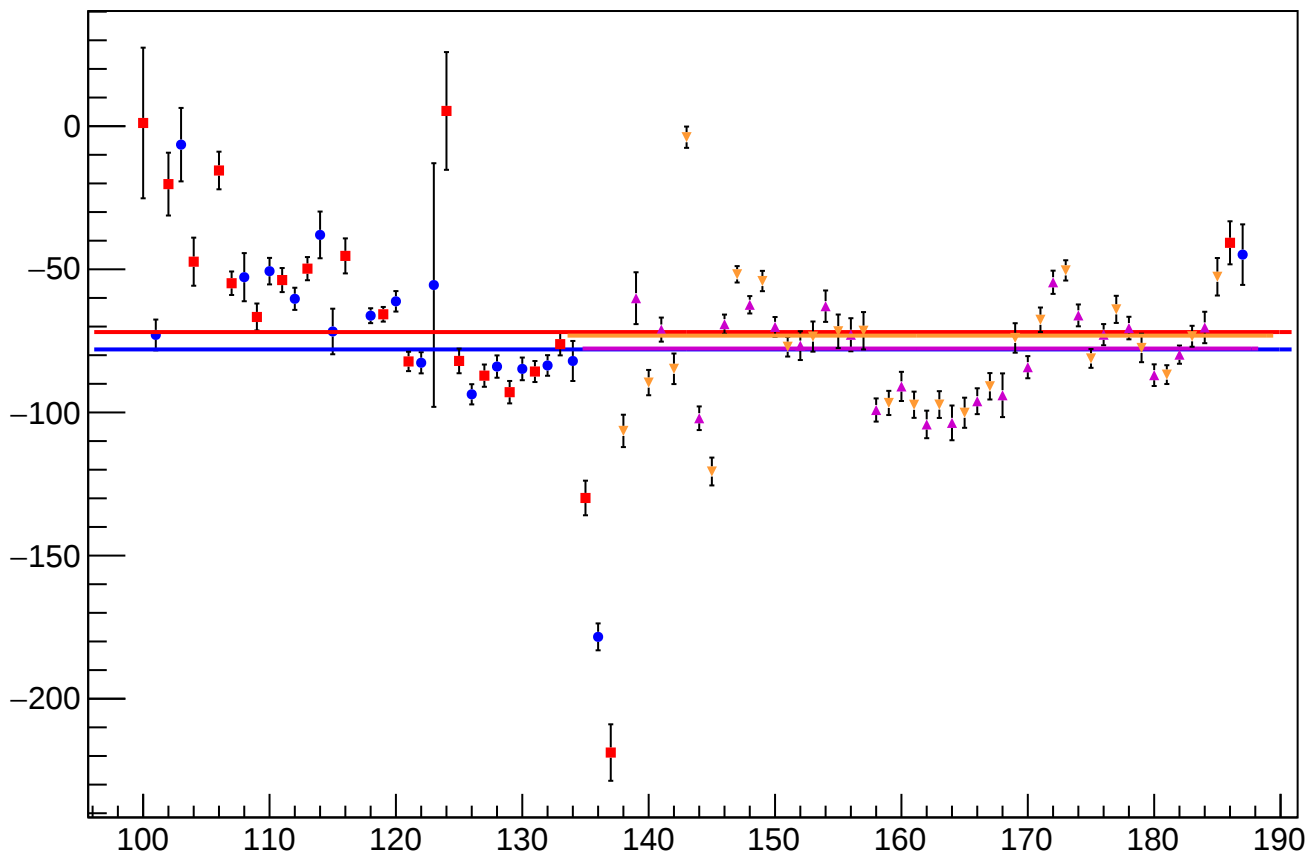
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -166.612 ± 0.830 χ^2/NDF : 4512.7/42

All: -168.342 ± 0.586 χ^2/NDF : 8741.1/85

- sign -170.062 ± 0.827 χ^2/NDF : 4219.7/42

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -77.986 ± 1.078 χ^2/NDF : 659.8/17

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -71.919 ± 1.044 χ^2/NDF : 623.0/19

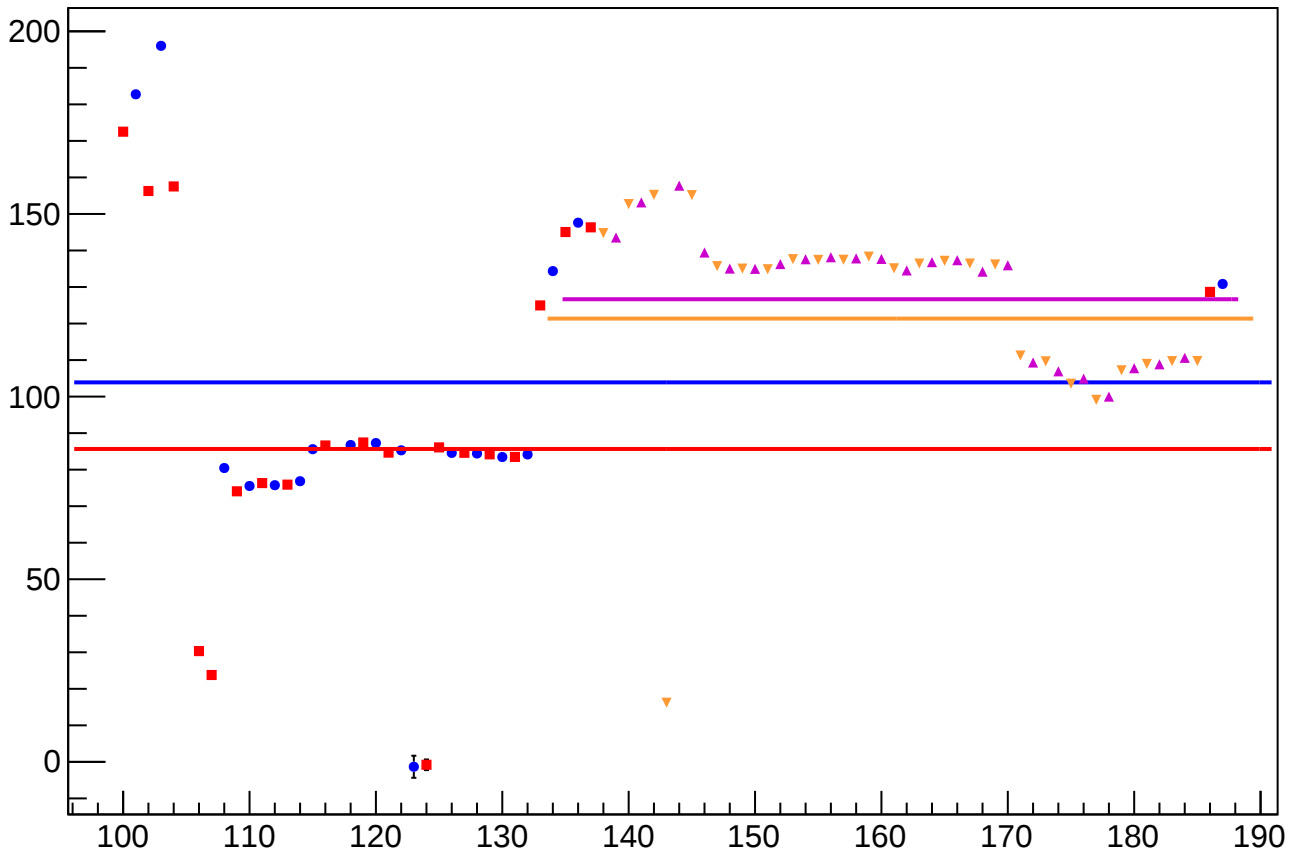
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -75.016 ± 0.668 χ^2/NDF : 1460.7/42

All: -75.145 ± 0.474 χ^2/NDF : 2349.8/85

- sign -75.275 ± 0.674 χ^2/NDF : 889.0/42

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.893 $\pm$ 0.071 χ^2 /NDF: 274577.7/17

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 85.665 $\pm$ 0.063 χ^2 /NDF: 429072.6/19

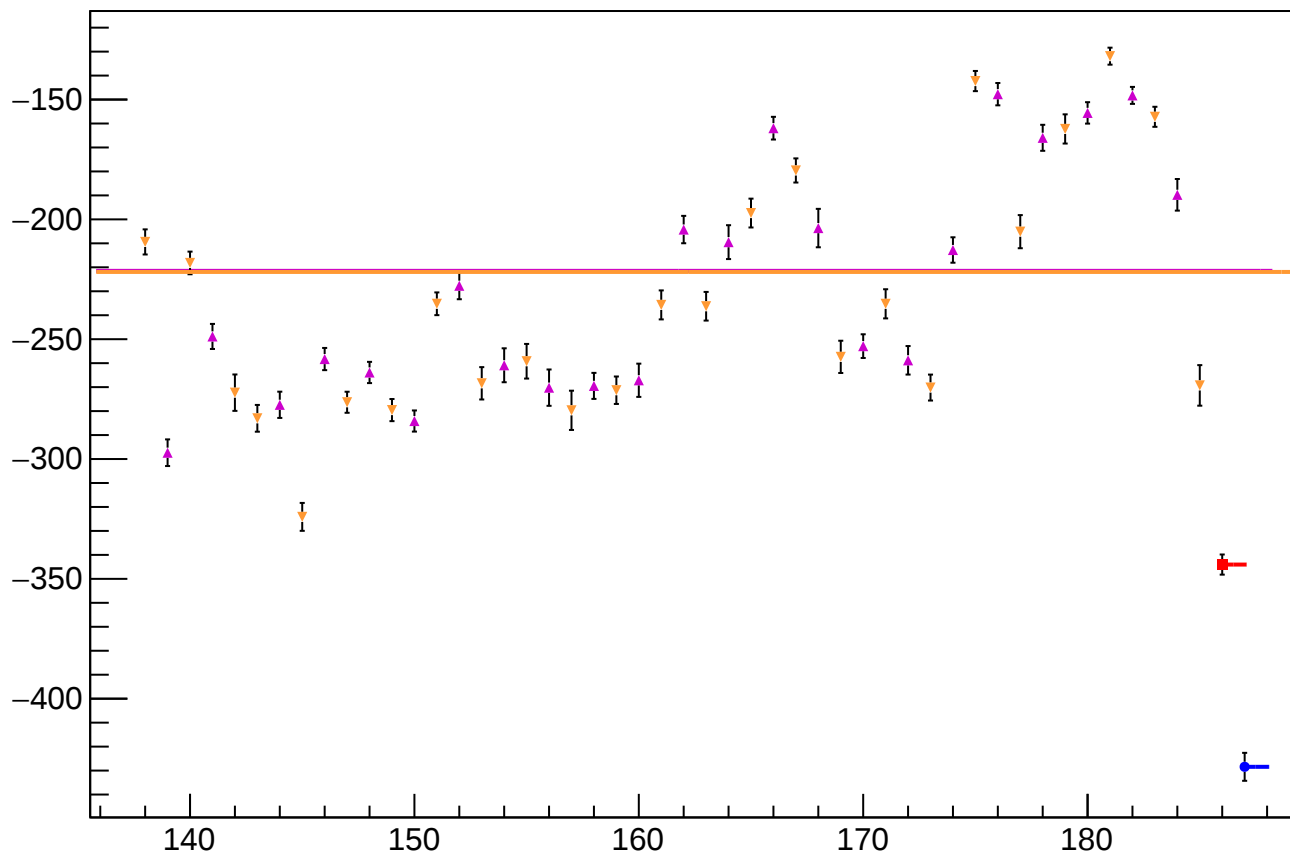
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 117.055 $\pm$ 0.035 χ^2 /NDF: 802788.8/42

All: 115.772 $\pm$ 0.025 χ^2 /NDF: 1692139.6/85

- sign 114.527 $\pm$ 0.034 χ^2 /NDF: 886700.8/42

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -428.433+/-5.832 χ^2/NDF : 0.0/0

Left Out: -221.934+/-1.084 χ^2/NDF : 2578.4/24

Right Out: -344.039+/-4.204 χ^2/NDF : 0.0/0

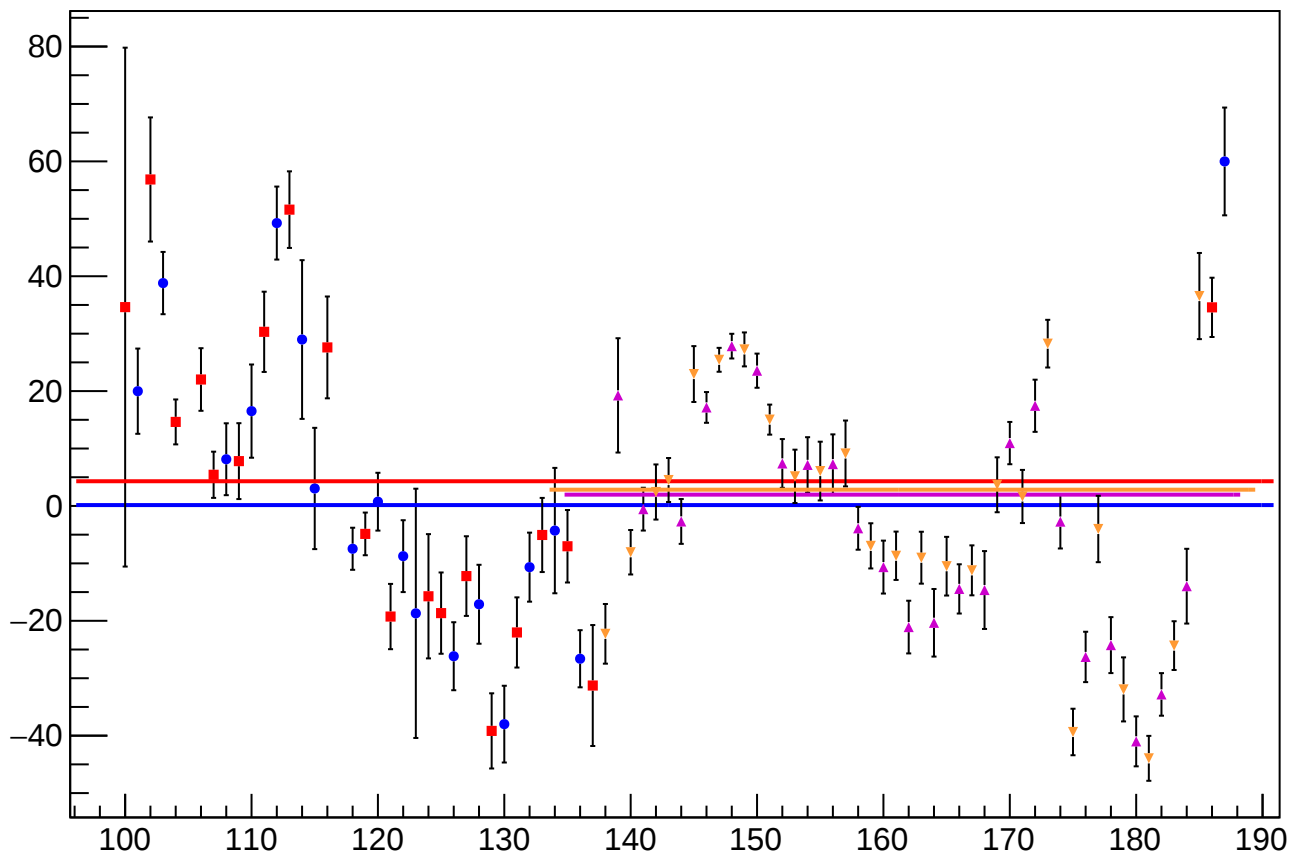
Left In: -221.483+/-1.102 χ^2/NDF : 2149.8/22

+ sign -228.836+/-1.066 χ^2/NDF : 3790.2/25

All: -229.101+/-0.754 χ^2/NDF : 6735.4/49

- sign -229.366+/-1.066 χ^2/NDF : 2945.0/23

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 0.152 ± 1.519 $\chi^2/\text{NDF}: 266.5/17$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 4.302 ± 1.352 $\chi^2/\text{NDF}: 269.8/19$

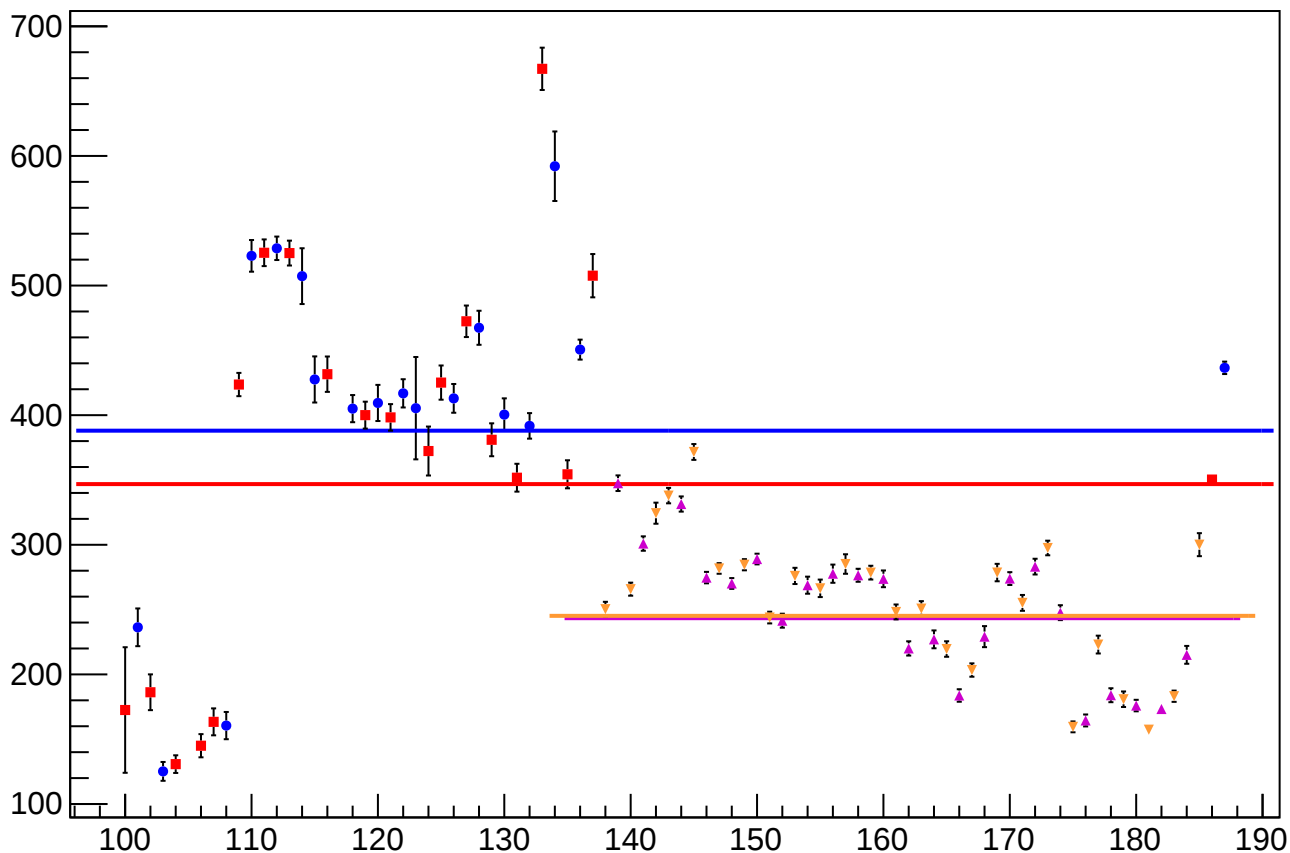
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 2.242 ± 0.713 $\chi^2/\text{NDF}: 955.9/42$

All: 2.428 ± 0.503 $\chi^2/\text{NDF}: 1817.0/85$

- sign 2.613 ± 0.710 $\chi^2/\text{NDF}: 861.0/42$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 388.037 $\pm$ 2.406 χ^2 /NDF: 2567.1/17

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 346.822 $\pm$ 2.037 χ^2 /NDF: 3414.4/19

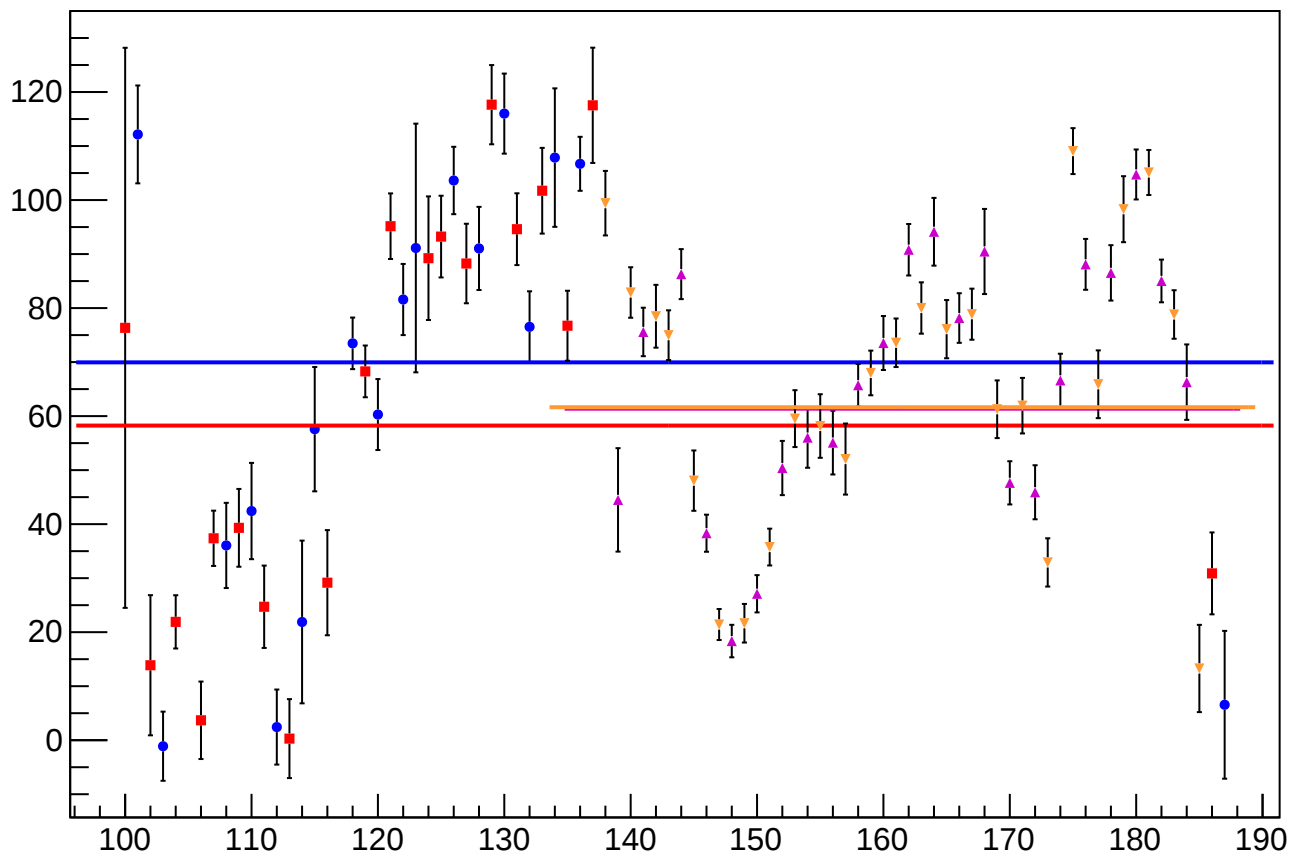
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 269.204 $\pm$ 0.987 χ^2 /NDF: 8096.0/42

All: 267.823 $\pm$ 0.689 χ^2 /NDF: 15752.4/85

- sign 266.506 $\pm$ 0.964 χ^2 /NDF: 7652.6/42

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 69.951 ± 1.753 $\chi^2/\text{NDF}: 445.9/17$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 58.248 ± 1.597 $\chi^2/\text{NDF}: 503.0/19$

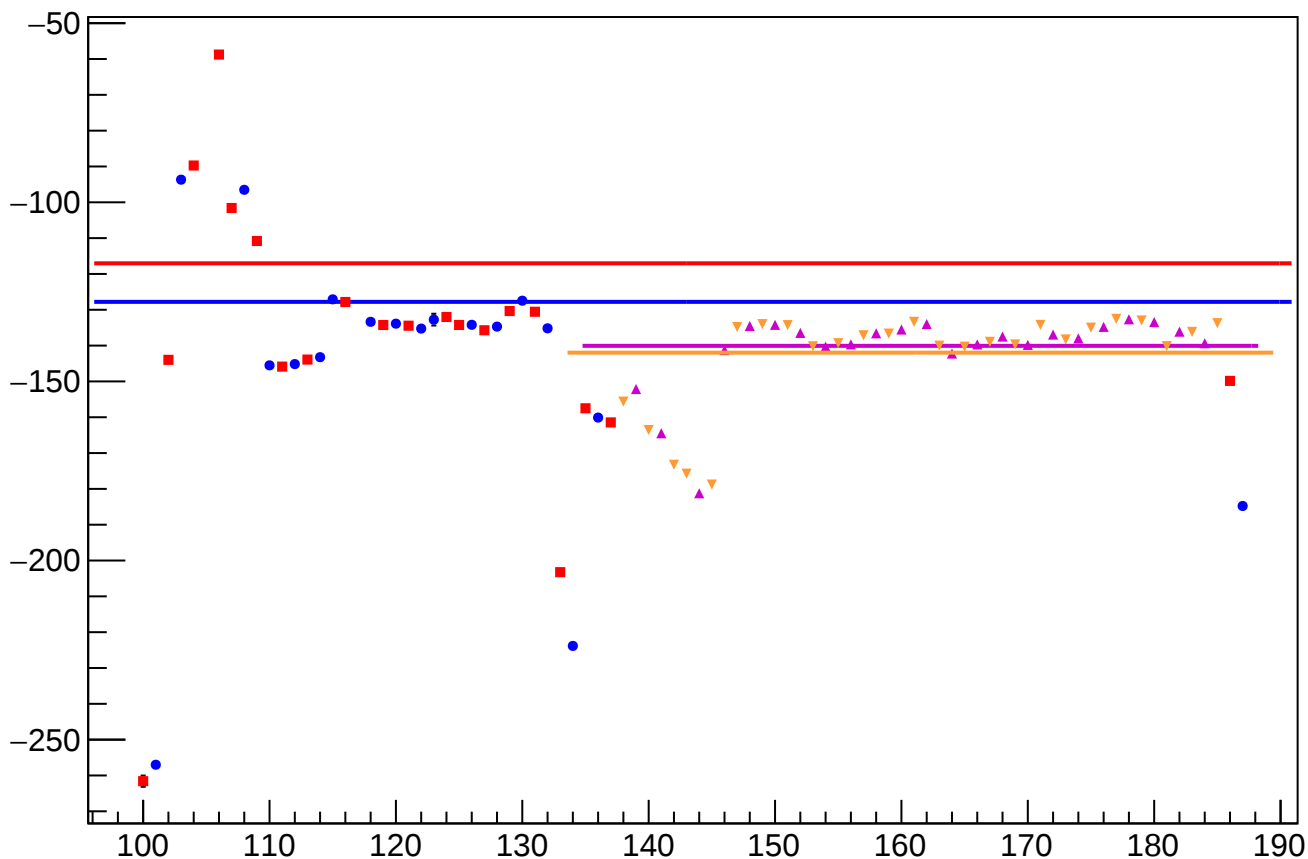
Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

+ sign 63.489 ± 0.826 $\chi^2/\text{NDF}: 1334.9/42$

All: 62.012 ± 0.583 $\chi^2/\text{NDF}: 2546.8/85$

- sign 60.544 ± 0.823 $\chi^2/\text{NDF}: 1205.5/42$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.791 $\pm$ 0.089 χ^2 /NDF: 172455.1/17

Left Out: -141.969 $\pm$ 0.045 χ^2 /NDF: 80252.6/24

Right Out: -117.026 $\pm$ 0.082 χ^2 /NDF: 170731.9/19

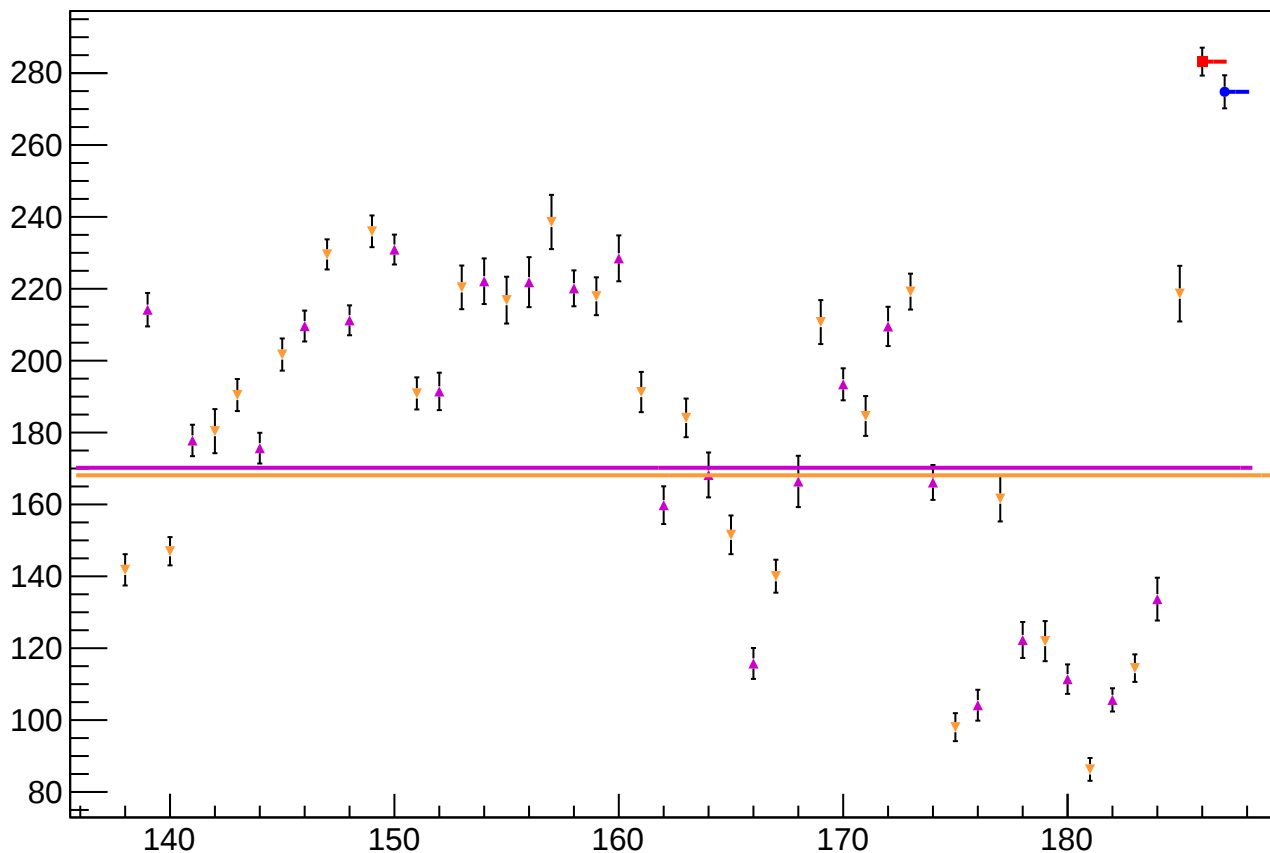
Left In: -140.068 $\pm$ 0.045 χ^2 /NDF: 48030.7/22

+ sign -139.127 $\pm$ 0.040 χ^2 /NDF: 272874.2/42

All: -136.907 $\pm$ 0.028 χ^2 /NDF: 558301.9/85

- sign -134.744 $\pm$ 0.039 χ^2 /NDF: 279338.7/42

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 274.804 $\pm$ 4.602 χ^2 /NDF: 0.0/0

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF:2468.8/24

Right Out: 283.198 $\pm$ 3.886 χ^2 /NDF: 0.0/0

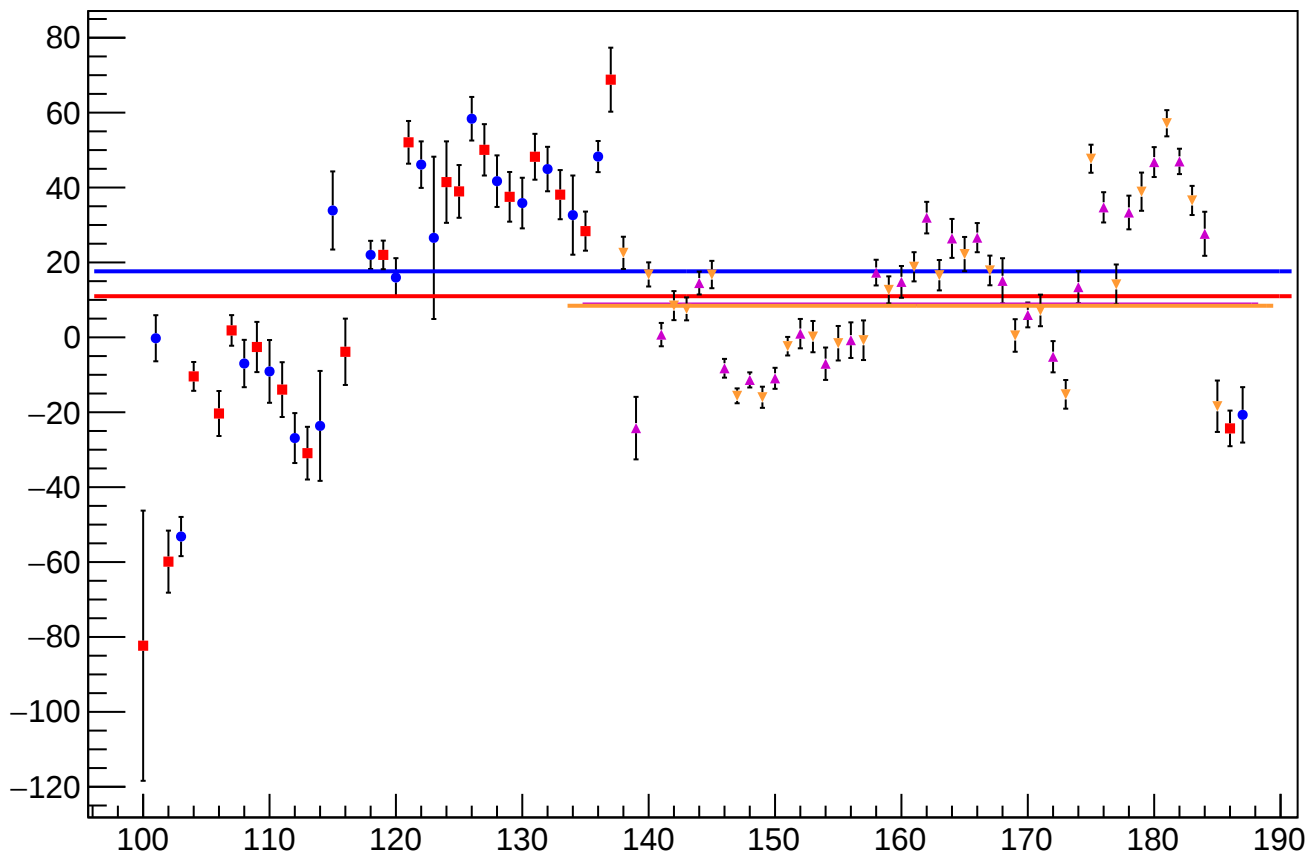
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF:2024.5/22

+ sign 172.647 $\pm$ 0.949 χ^2 /NDF: 2983.5/25

All: 174.866 $\pm$ 0.676 χ^2 /NDF: 5812.5/49

- sign 177.155 $\pm$ 0.964 χ^2 /NDF: 2818.0/23

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 17.629 ± 1.473 $\chi^2/\text{NDF}: 467.4/17$

Left Out: 8.436 ± 0.728 $\chi^2/\text{NDF}: 752.0/24$

Right Out: 10.986 ± 1.335 $\chi^2/\text{NDF}: 495.4/19$

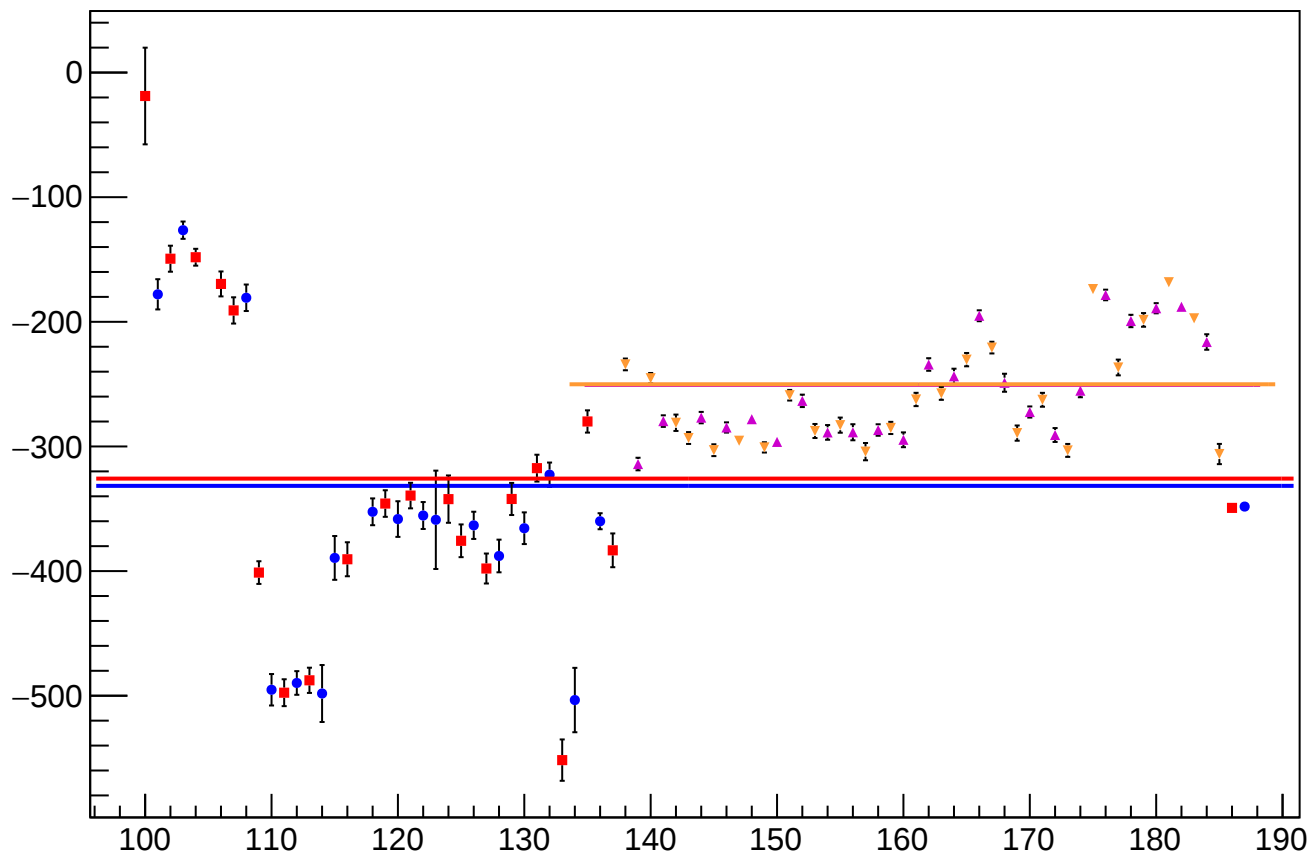
Left In: 8.769 ± 0.758 $\chi^2/\text{NDF}: 626.8/22$

+ sign 10.241 ± 0.653 $\chi^2/\text{NDF}: 1250.7/42$

All: 9.780 ± 0.464 $\chi^2/\text{NDF}: 2376.0/85$

- sign 9.309 ± 0.659 $\chi^2/\text{NDF}: 1124.3/42$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -331.617 ± 2.191 $\chi^2/\text{NDF}: 1875.9/17$

Left Out: -250.119 ± 0.972 $\chi^2/\text{NDF}: 2246.9/24$

Right Out: -325.790 ± 1.958 $\chi^2/\text{NDF}: 2393.9/19$

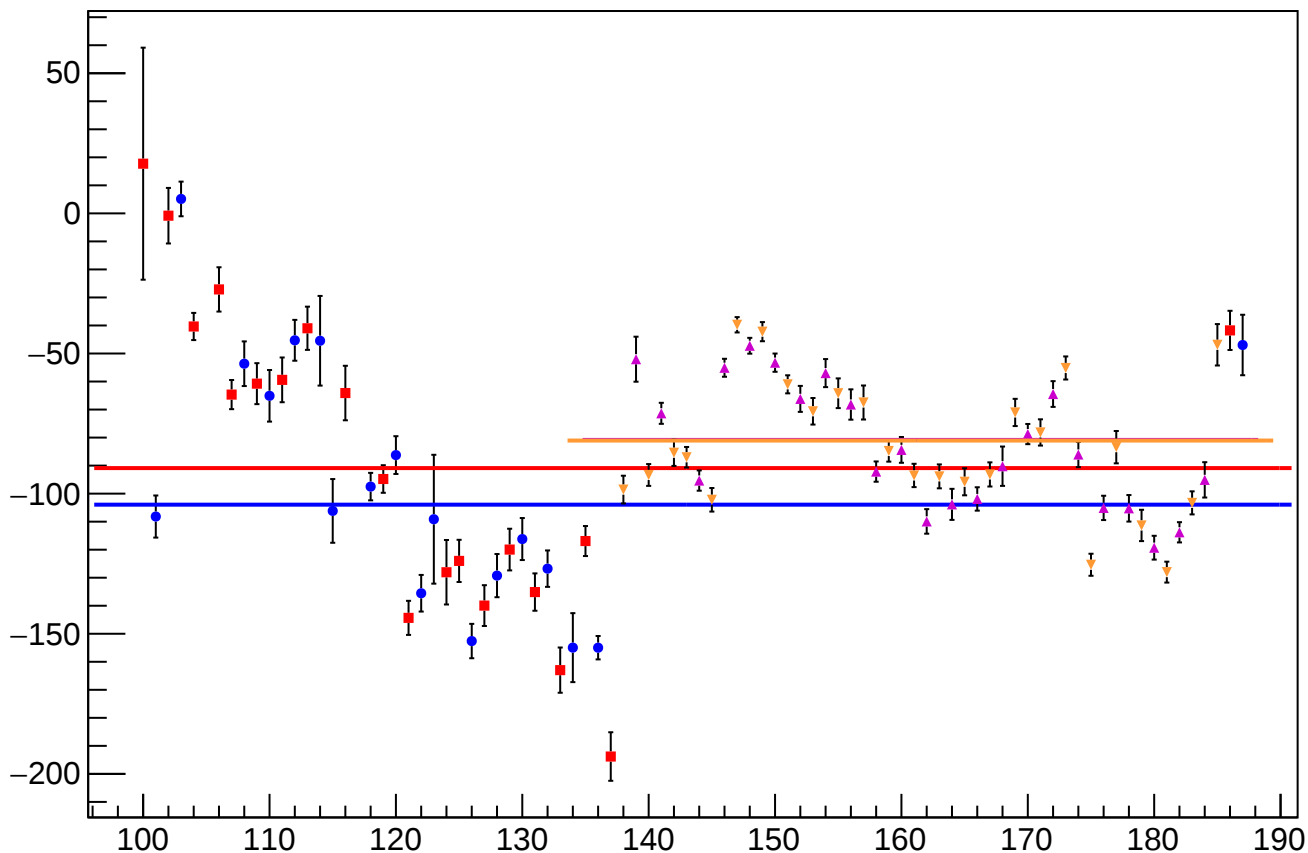
Left In: -250.628 ± 0.990 $\chi^2/\text{NDF}: 1937.1/22$

+ sign -263.530 ± 0.889 $\chi^2/\text{NDF}: 5279.0/42$

All: -264.742 ± 0.627 $\chi^2/\text{NDF}: 10787.1/85$

- sign -265.940 ± 0.884 $\chi^2/\text{NDF}: 5504.4/42$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -103.936 ± 1.694 χ^2/NDF : 763.3/17

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -90.887 ± 1.571 χ^2/NDF : 876.9/19

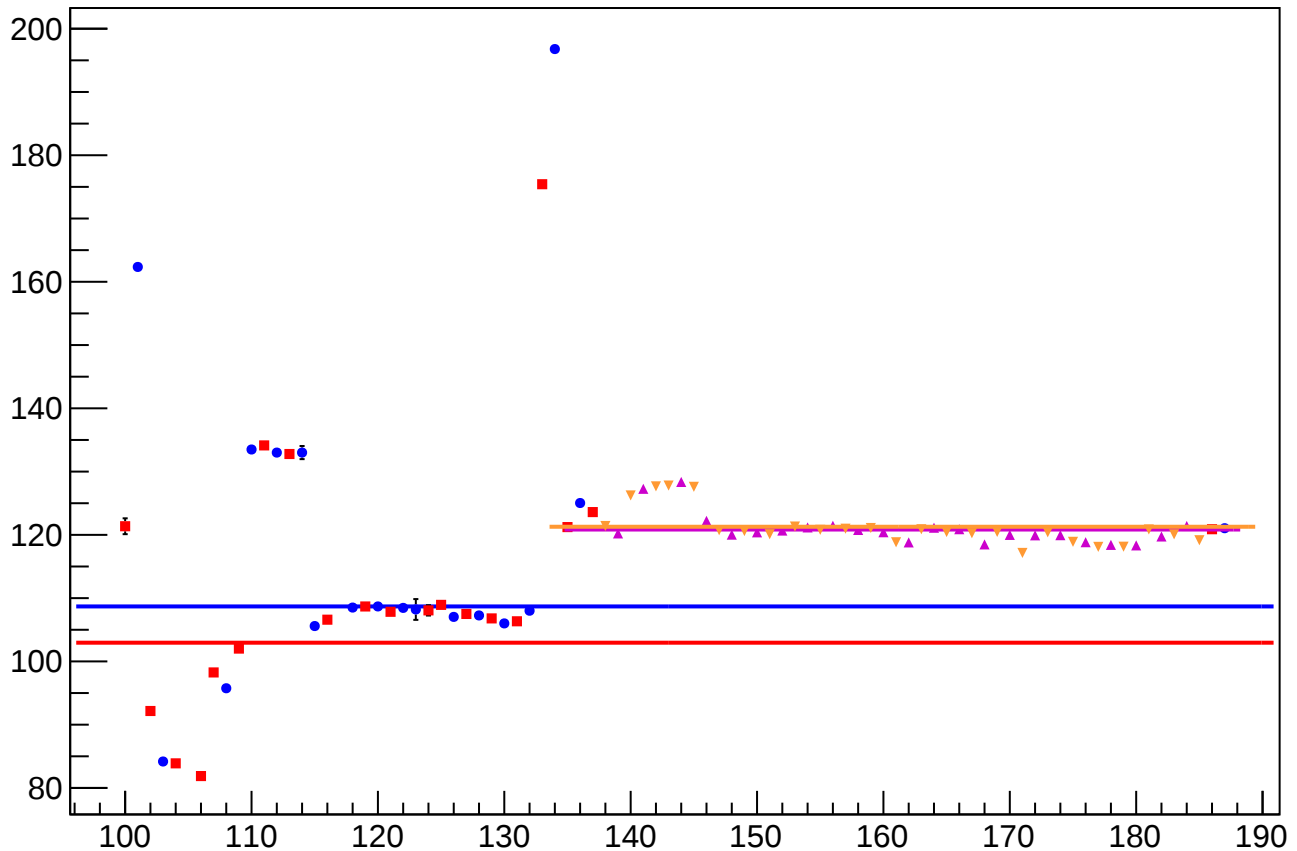
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -85.597 ± 0.755 χ^2/NDF : 1822.5/42

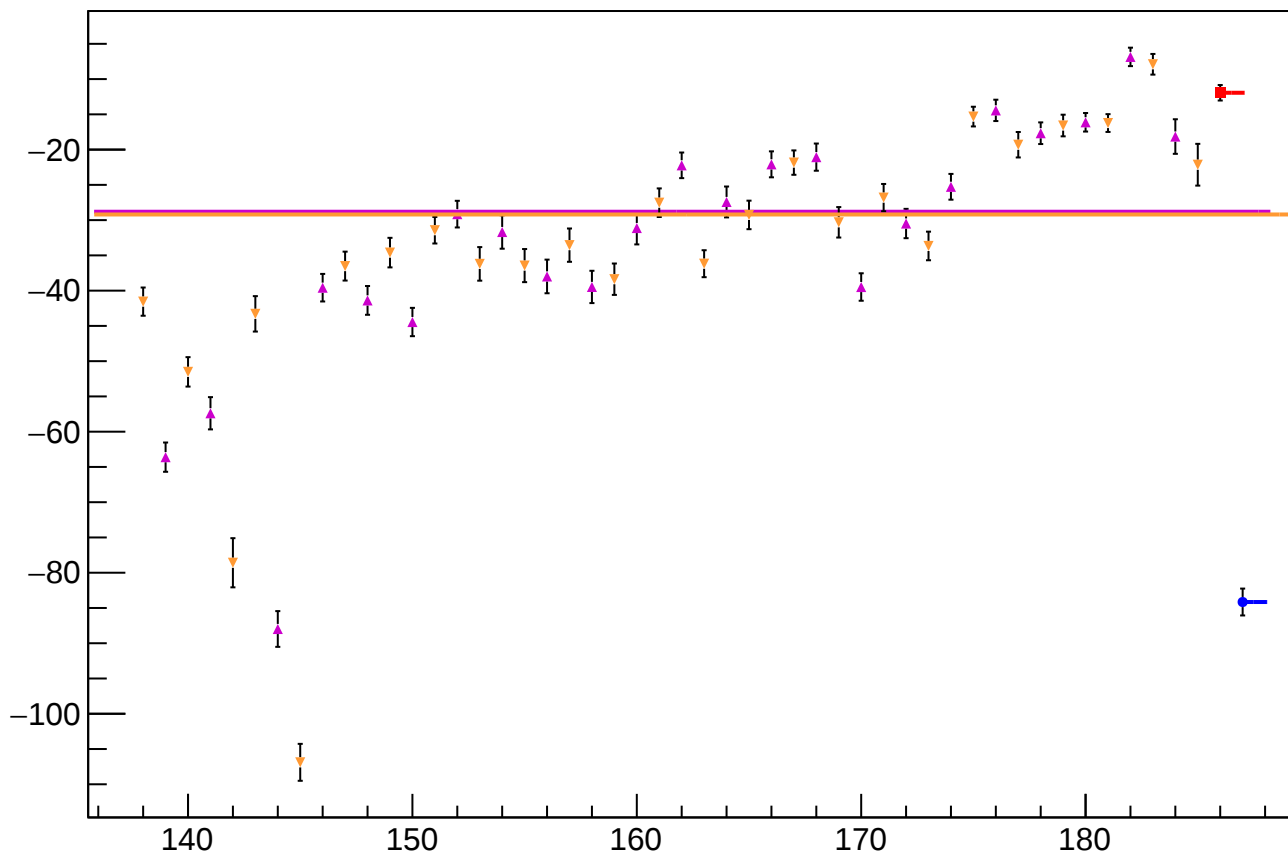
All: -84.411 ± 0.536 χ^2/NDF : 3428.8/85

- sign -83.200 ± 0.762 χ^2/NDF : 1601.3/42

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -84.155 ± 1.906 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -11.940 ± 1.098 $\chi^2/\text{NDF}: 0.0/0$

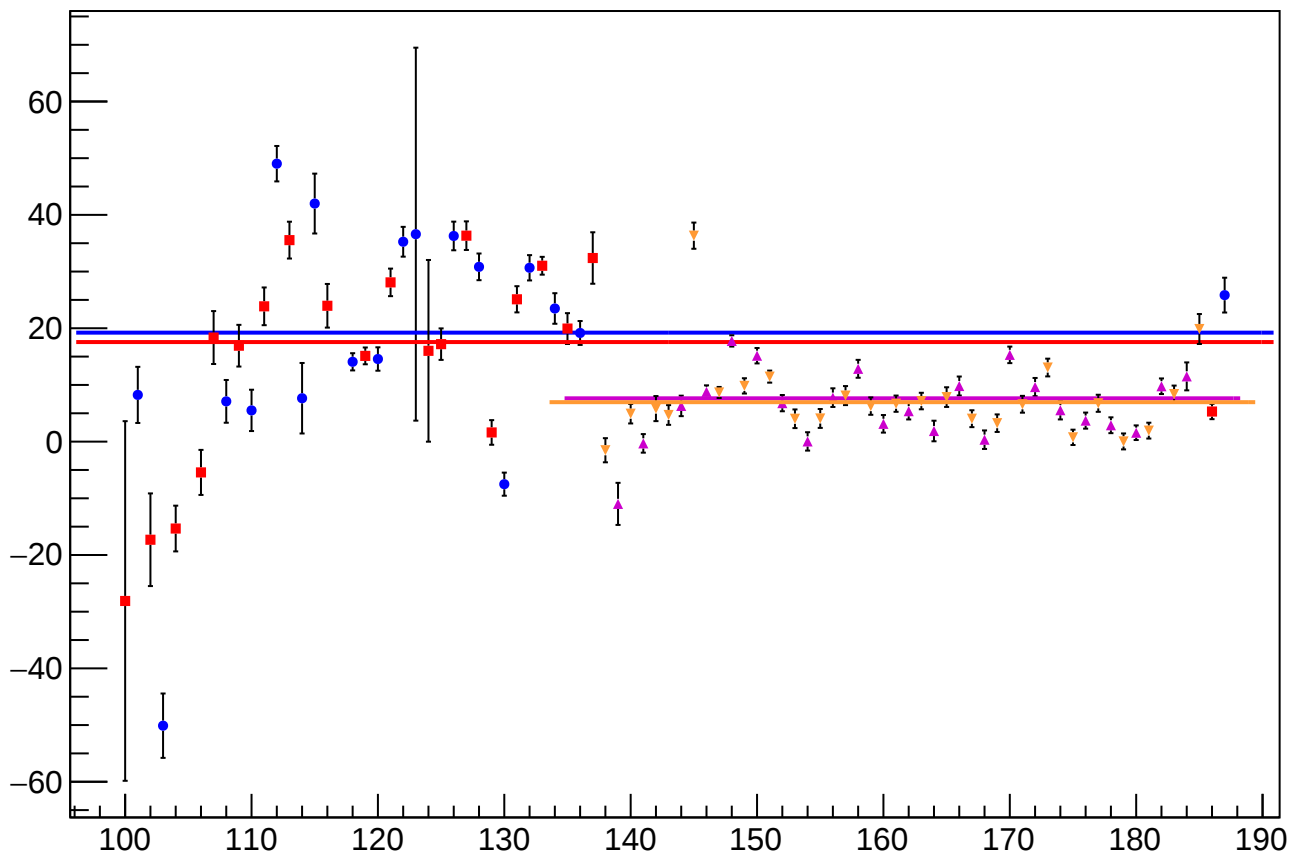
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -31.392 ± 0.381 $\chi^2/\text{NDF}: 2679.8/25$

All: -29.080 ± 0.266 $\chi^2/\text{NDF}: 4724.6/49$

- sign -26.874 ± 0.372 $\chi^2/\text{NDF}: 1972.8/23$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 19.224 $\pm$ 0.640 χ^2 /NDF: 621.0/17

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF: 321.3/24

Right Out: 17.564 $\pm$ 0.581 χ^2 /NDF: 466.1/19

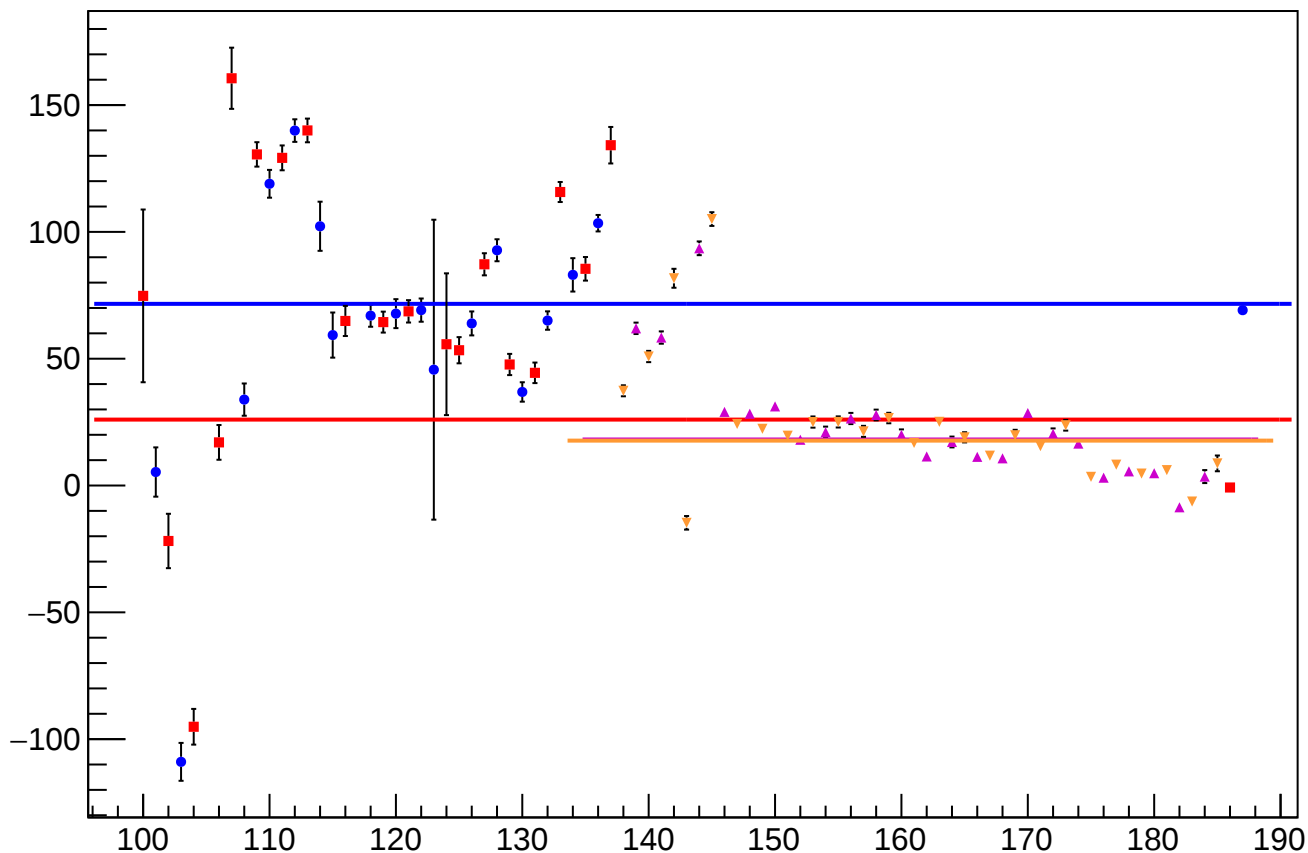
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF: 337.7/22

+ sign 9.207 $\pm$ 0.274 χ^2 /NDF: 1242.6/42

All: 9.541 $\pm$ 0.194 χ^2 /NDF: 2275.7/85

- sign 9.879 $\pm$ 0.276 χ^2 /NDF: 1030.1/42

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 71.627 ± 0.971 χ^2/NDF : 1203.9/17

Left Out: 17.705 ± 0.387 χ^2/NDF : 2432.2/24

Right Out: 25.994 ± 0.714 χ^2/NDF : 4287.7/19

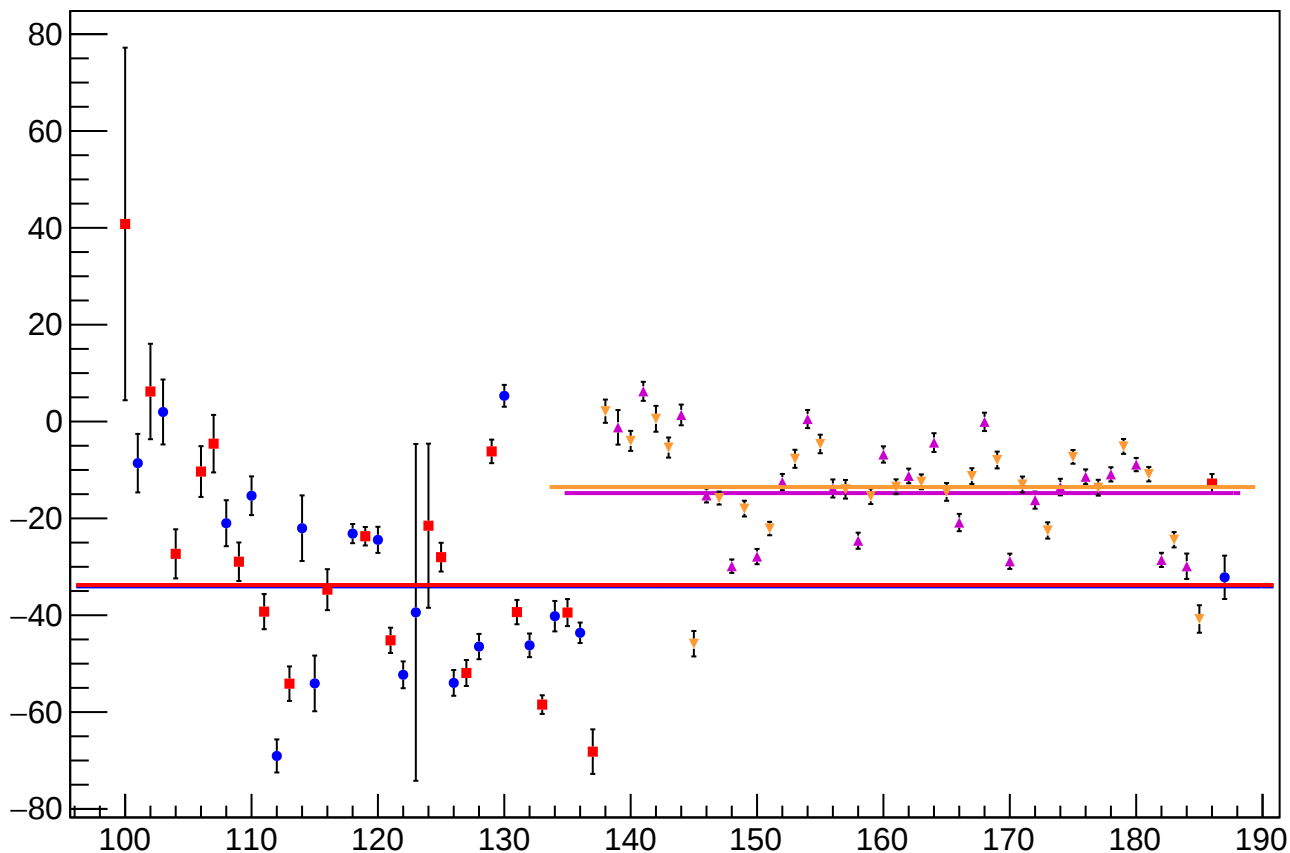
Left In: 18.150 ± 0.393 χ^2/NDF : 2339.4/22

+ sign 25.097 ± 0.360 χ^2/NDF : 6294.5/42

All: 22.420 ± 0.249 χ^2/NDF : 13120.4/85

- sign 19.972 ± 0.344 χ^2/NDF : 6719.8/42

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.045 ± 0.736 χ^2/NDF : 715.0/17

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -33.762 ± 0.691 χ^2/NDF : 670.5/19

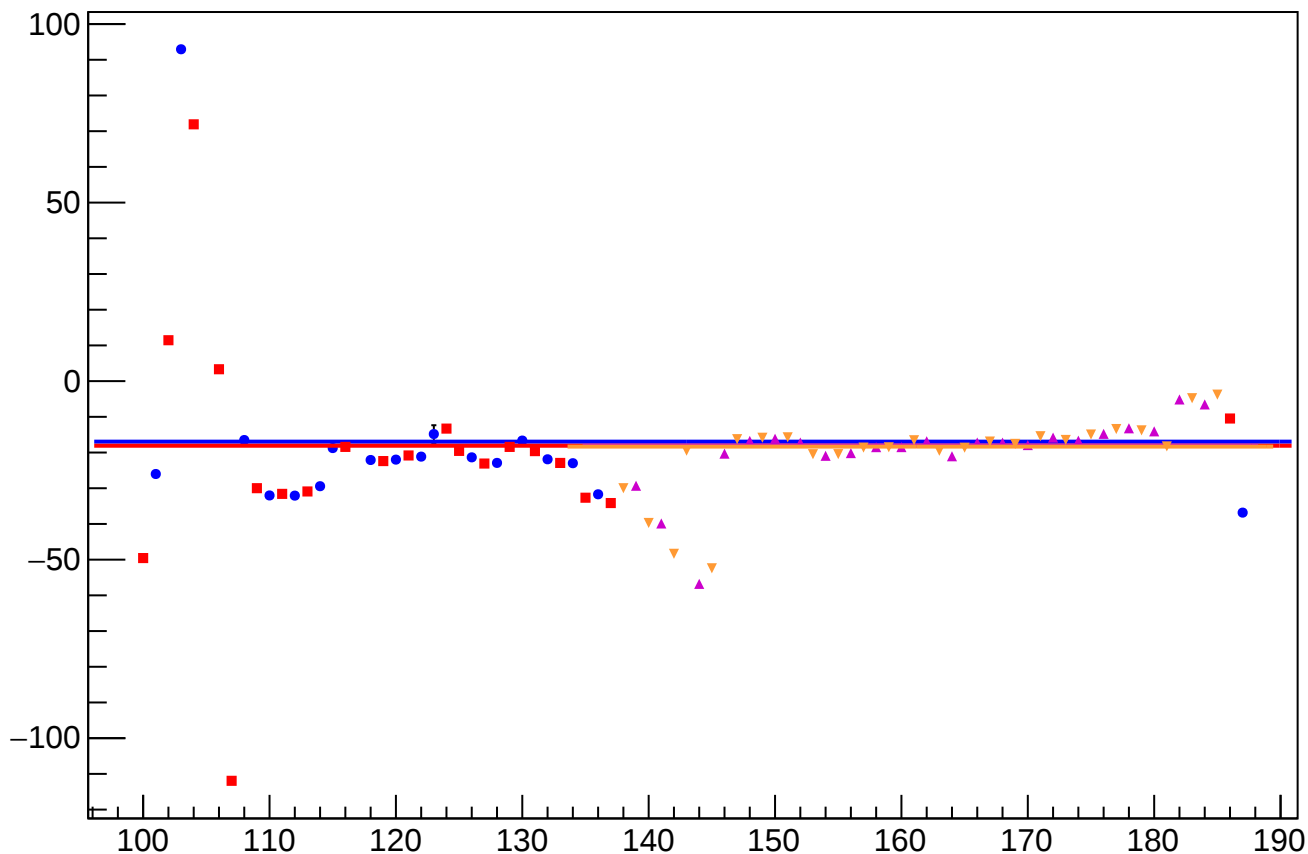
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -17.209 ± 0.312 χ^2/NDF : 1925.3/42

All: -17.960 ± 0.222 χ^2/NDF : 4043.5/85

- sign -18.728 ± 0.315 χ^2/NDF : 2106.5/42

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.951 ± 0.044 $\chi^2/\text{NDF}: 480489.6/17$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -18.094 ± 0.043 $\chi^2/\text{NDF}: 436979.5/19$

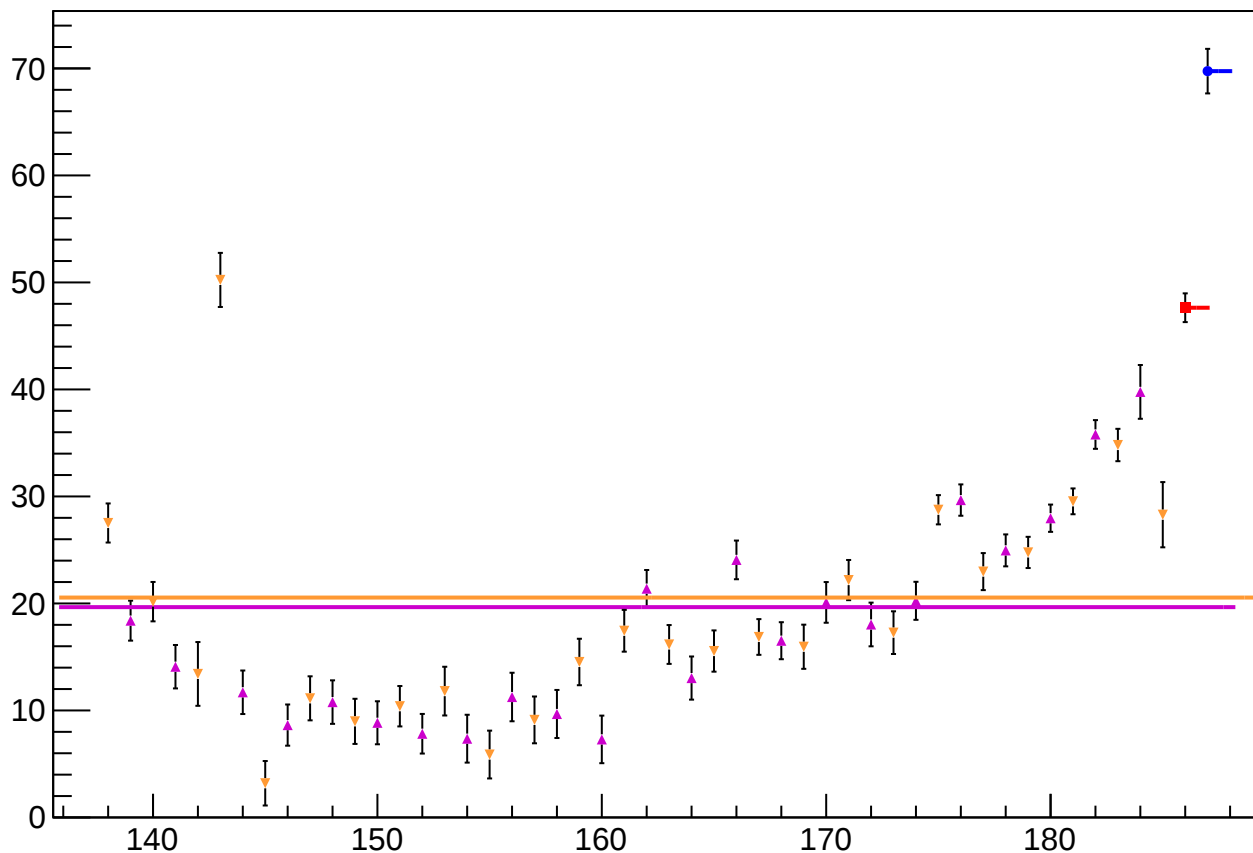
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.175 ± 0.015 $\chi^2/\text{NDF}: 765515.3/42$

All: -18.131 ± 0.011 $\chi^2/\text{NDF}: 1444462.7/85$

- sign -18.085 ± 0.015 $\chi^2/\text{NDF}: 678929.0/42$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 69.747 $\pm$ 2.082 χ^2 /NDF: 0.0/0

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 47.635 $\pm$ 1.343 χ^2 /NDF: 0.0/0

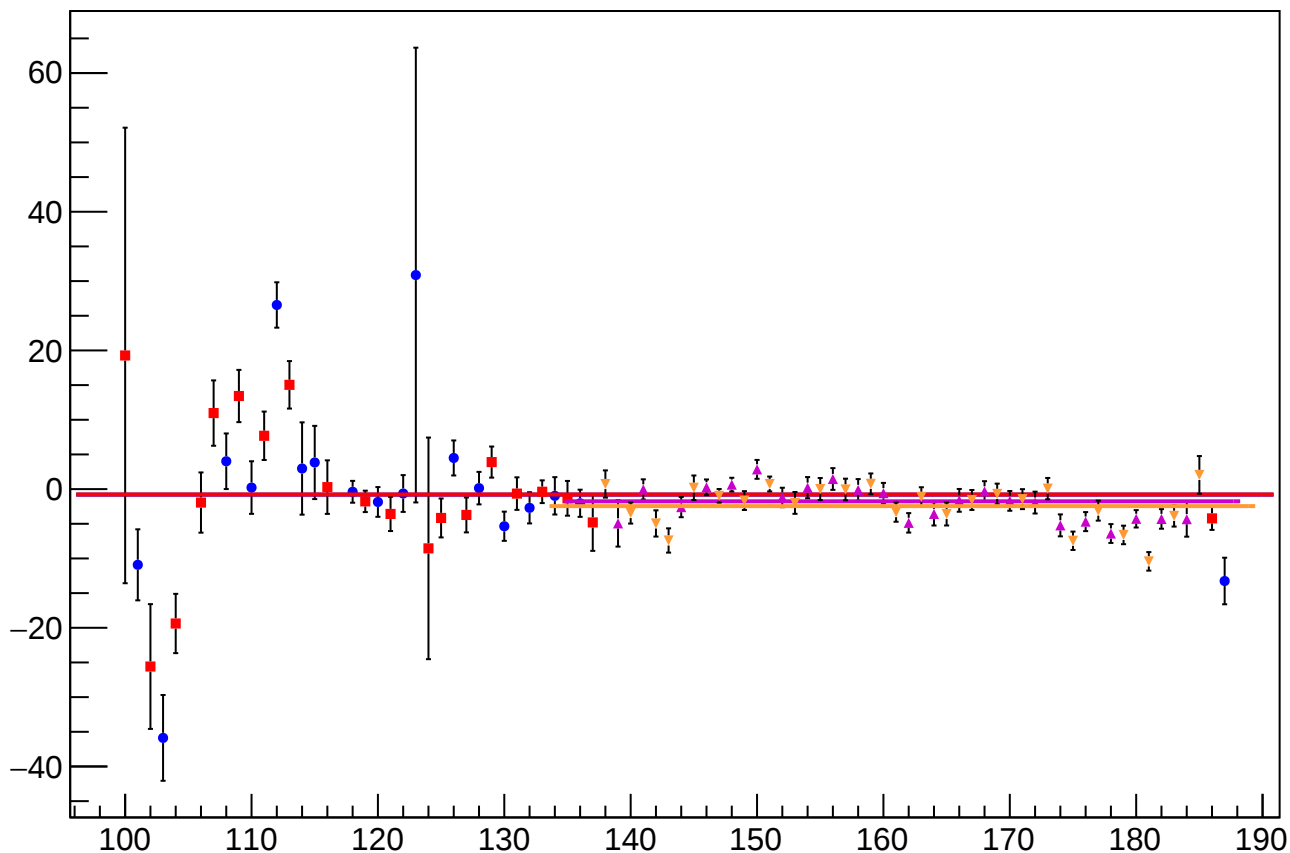
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 22.080 $\pm$ 0.367 χ^2 /NDF: 1167.1/25

All: 21.906 $\pm$ 0.259 χ^2 /NDF: 2141.0/49

- sign 21.732 $\pm$ 0.366 χ^2 /NDF: 973.4/23

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.796 ± 0.651 χ^2/NDF : 133.9/17

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.776 ± 0.611 χ^2/NDF : 89.2/19

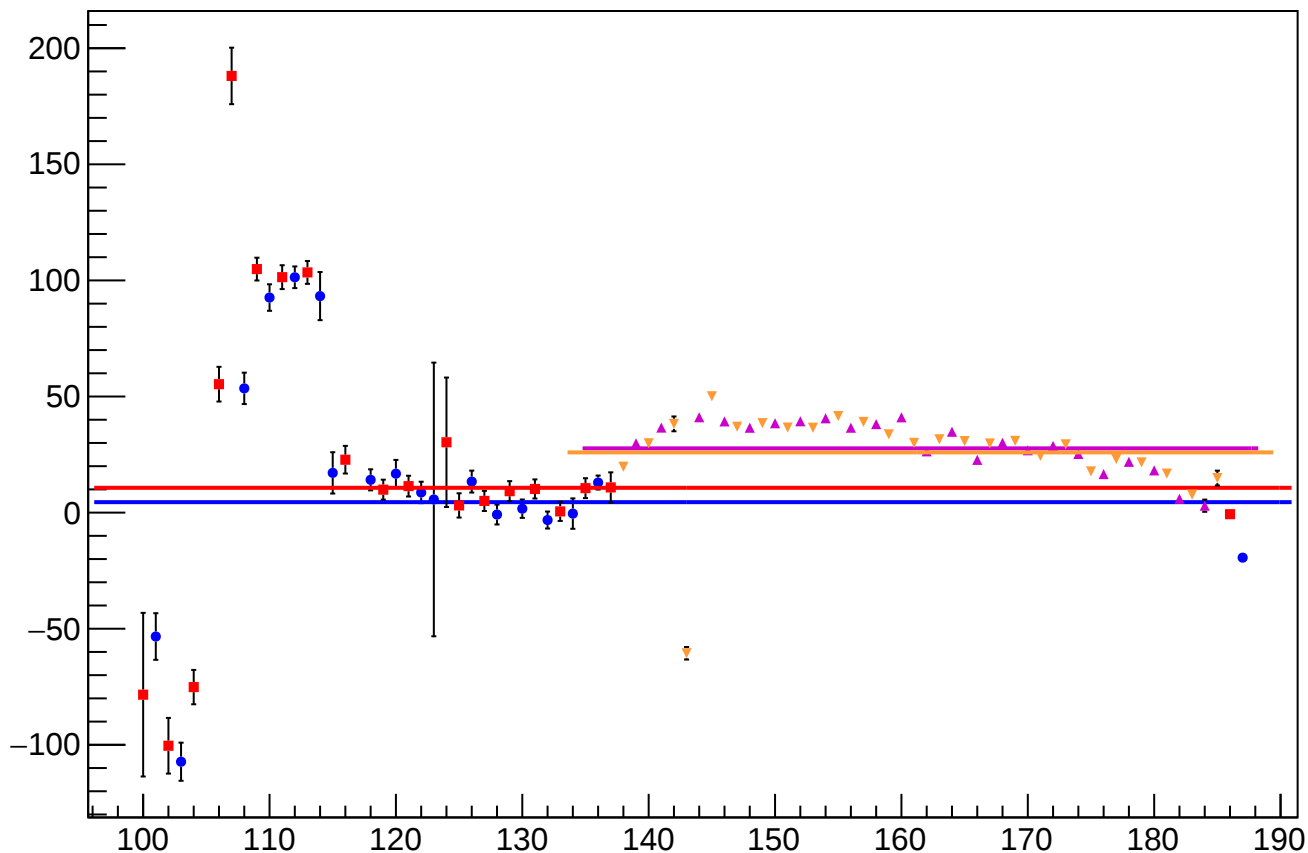
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.176 ± 0.267 χ^2/NDF : 245.3/42

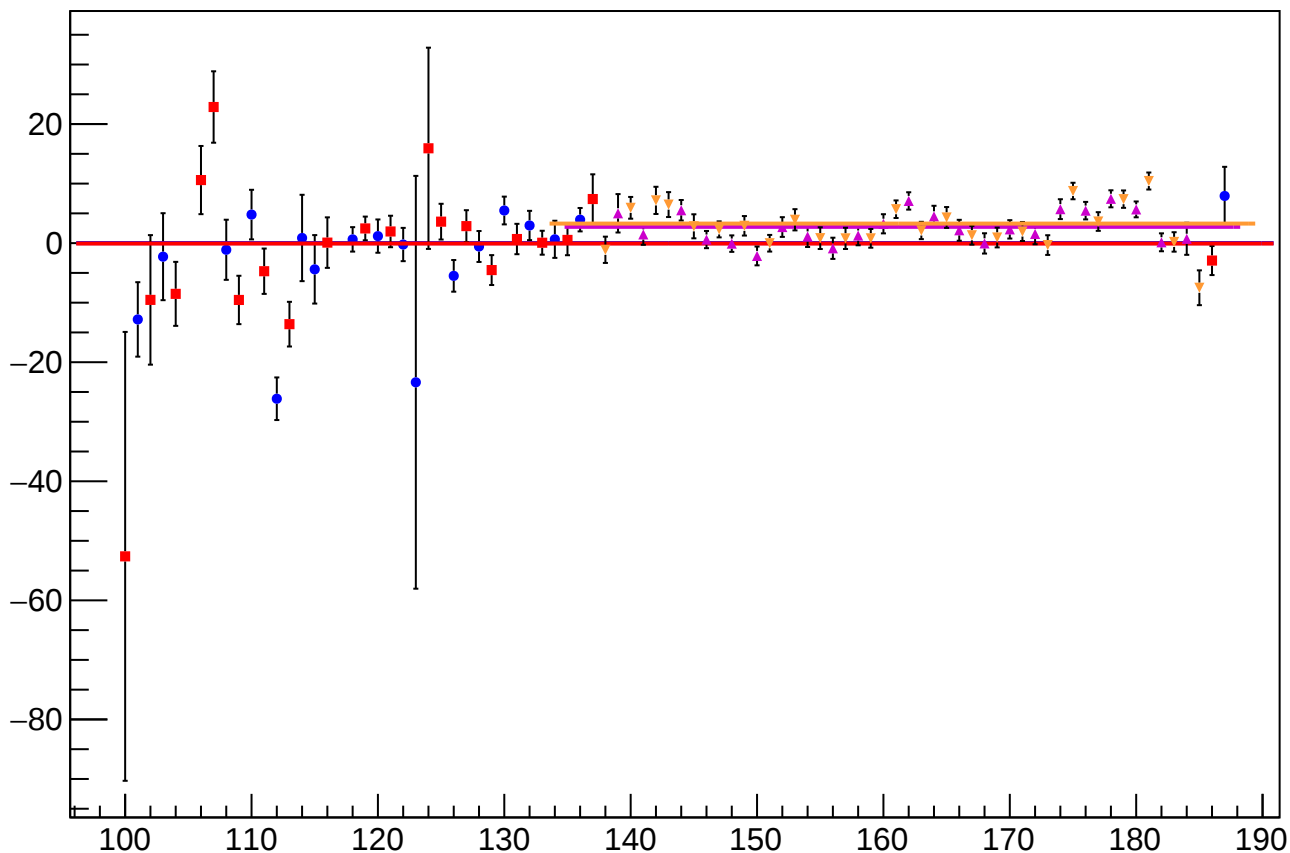
All: -1.875 ± 0.190 χ^2/NDF : 406.5/85

- sign -1.565 ± 0.271 χ^2/NDF : 158.7/42

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.005 ± 0.744 χ^2/NDF : 78.3/17

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -0.069 ± 0.717 χ^2/NDF : 56.9/19

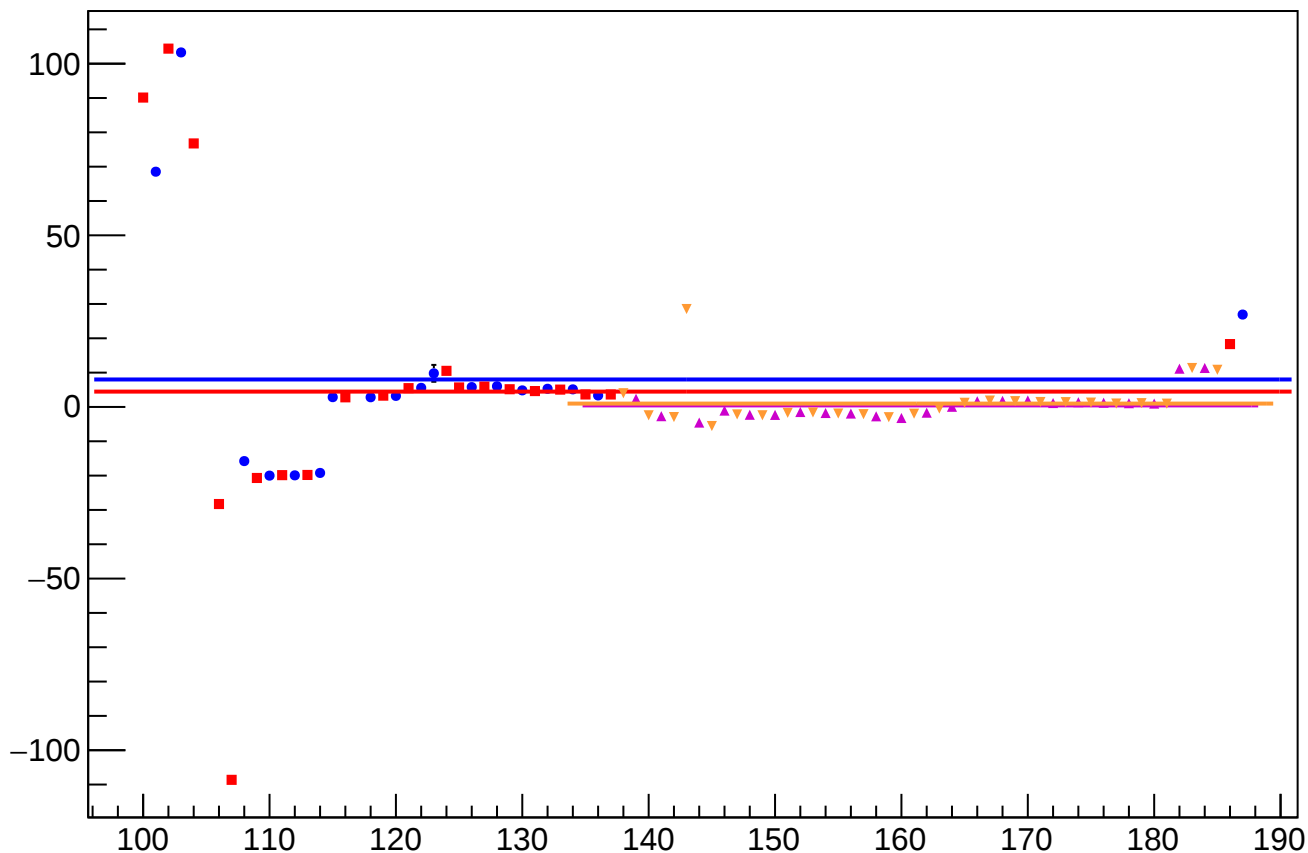
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.741 ± 0.303 χ^2/NDF : 196.8/42

All: 2.485 ± 0.216 χ^2/NDF : 332.2/85

- sign 2.220 ± 0.308 χ^2/NDF : 133.9/42

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 8.004 ± 0.044 $\chi^2/\text{NDF}: 360647.5/17$

Left Out: 0.979 ± 0.015 $\chi^2/\text{NDF}: 117391.3/24$

Right Out: 4.471 ± 0.044 $\chi^2/\text{NDF}: 517478.4/19$

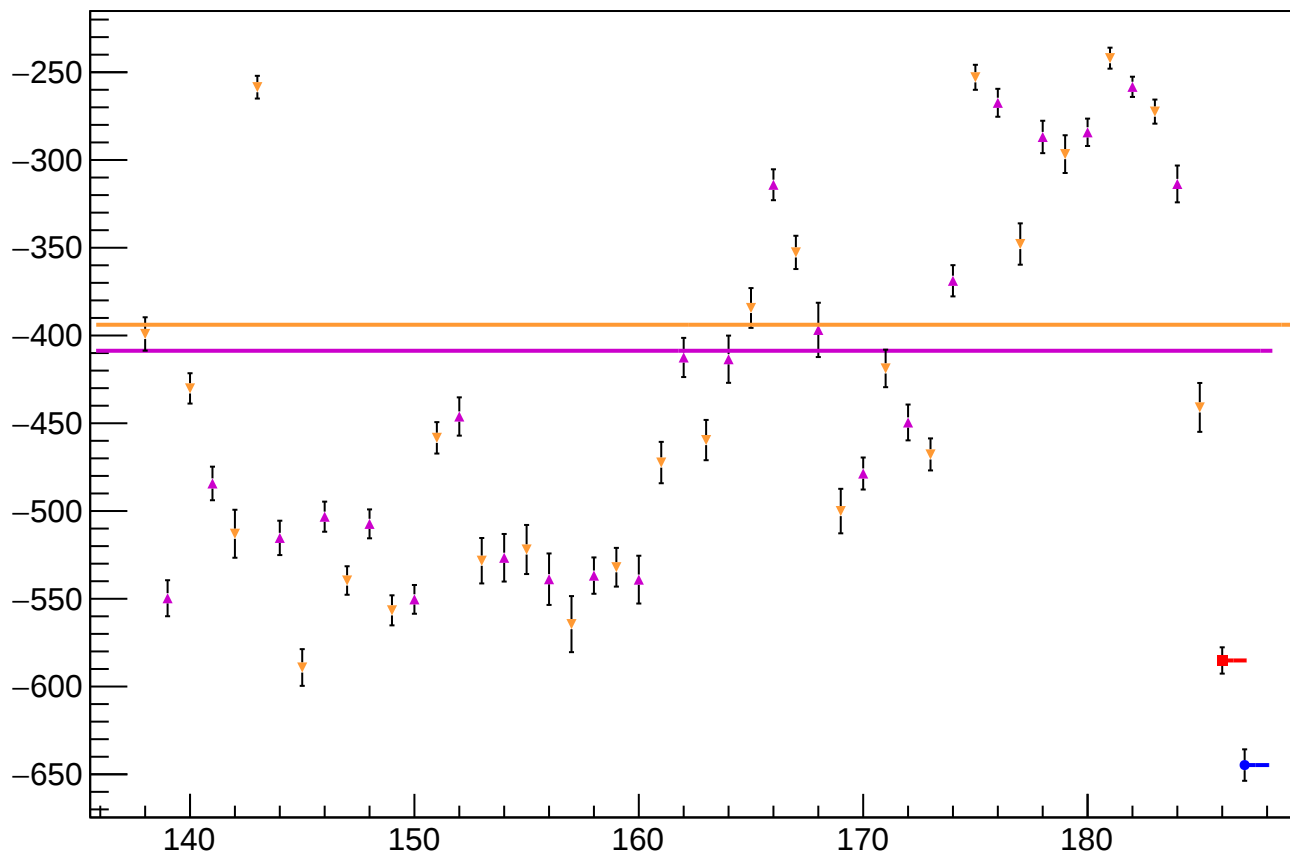
Left In: 0.451 ± 0.015 $\chi^2/\text{NDF}: 50699.8/22$

+ sign 1.724 ± 0.014 $\chi^2/\text{NDF}: 500718.7/42$

All: 1.312 ± 0.010 $\chi^2/\text{NDF}: 1077948.1/85$

- sign 0.889 ± 0.015 $\chi^2/\text{NDF}: 575561.6/42$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -644.742+/-8.964 χ^2/NDF : 0.0/0

Left Out: -393.871+/-1.897 χ^2/NDF :3772.8/24

Right Out: -585.144+/-7.497 χ^2/NDF : 0.0/0

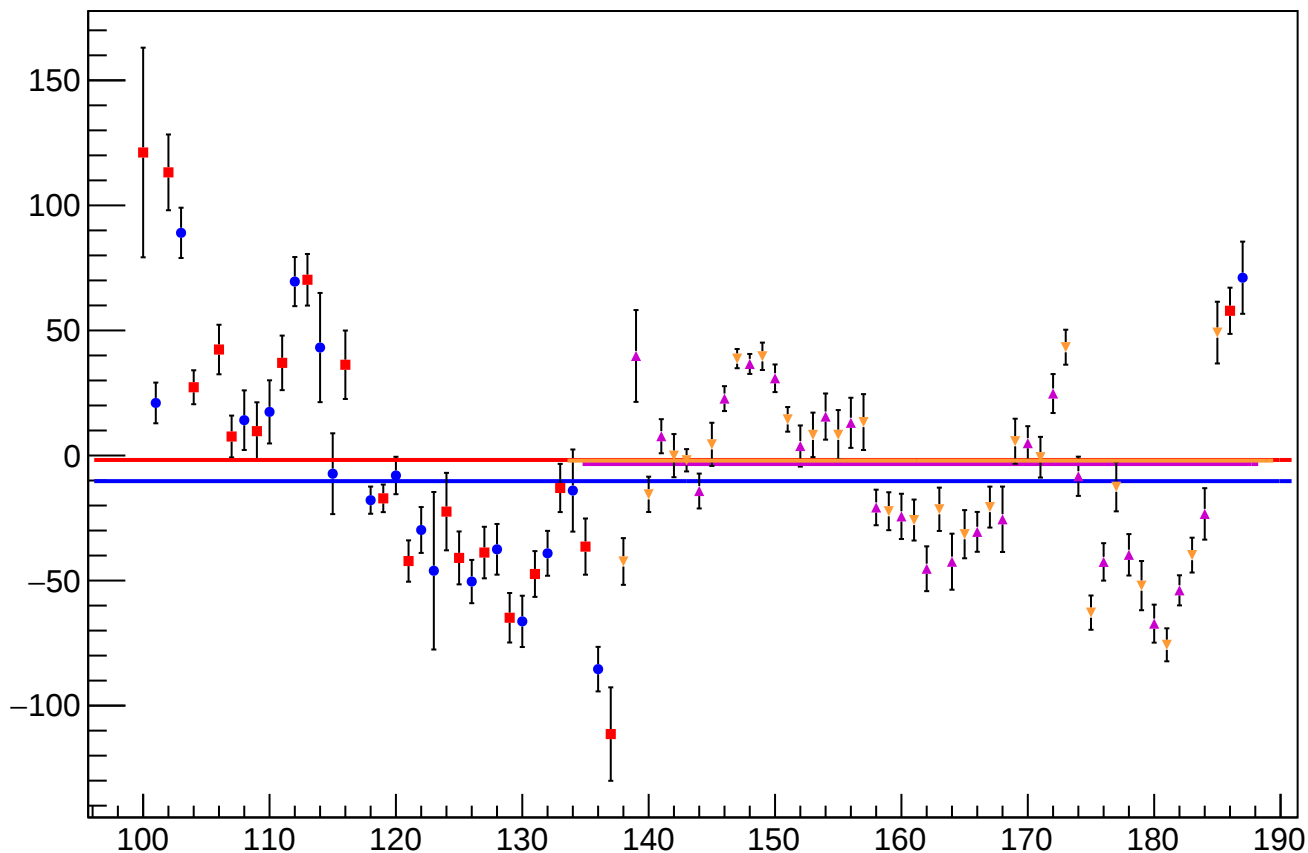
Left In: -408.696+/-1.979 χ^2/NDF :3062.9/22

+ sign -404.624+/-1.856 χ^2/NDF : 4522.4/25

All: -412.170+/-1.332 χ^2/NDF : 8137.3/49

- sign -420.191+/-1.913 χ^2/NDF : 3580.8/23

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -10.245 $\pm$ 2.322 χ^2/NDF : 373.2/17

Left Out: -2.037 $\pm$ 1.424 χ^2/NDF : 563.8/24

Right Out: -1.780 $\pm$ 2.197 χ^2/NDF : 388.3/19

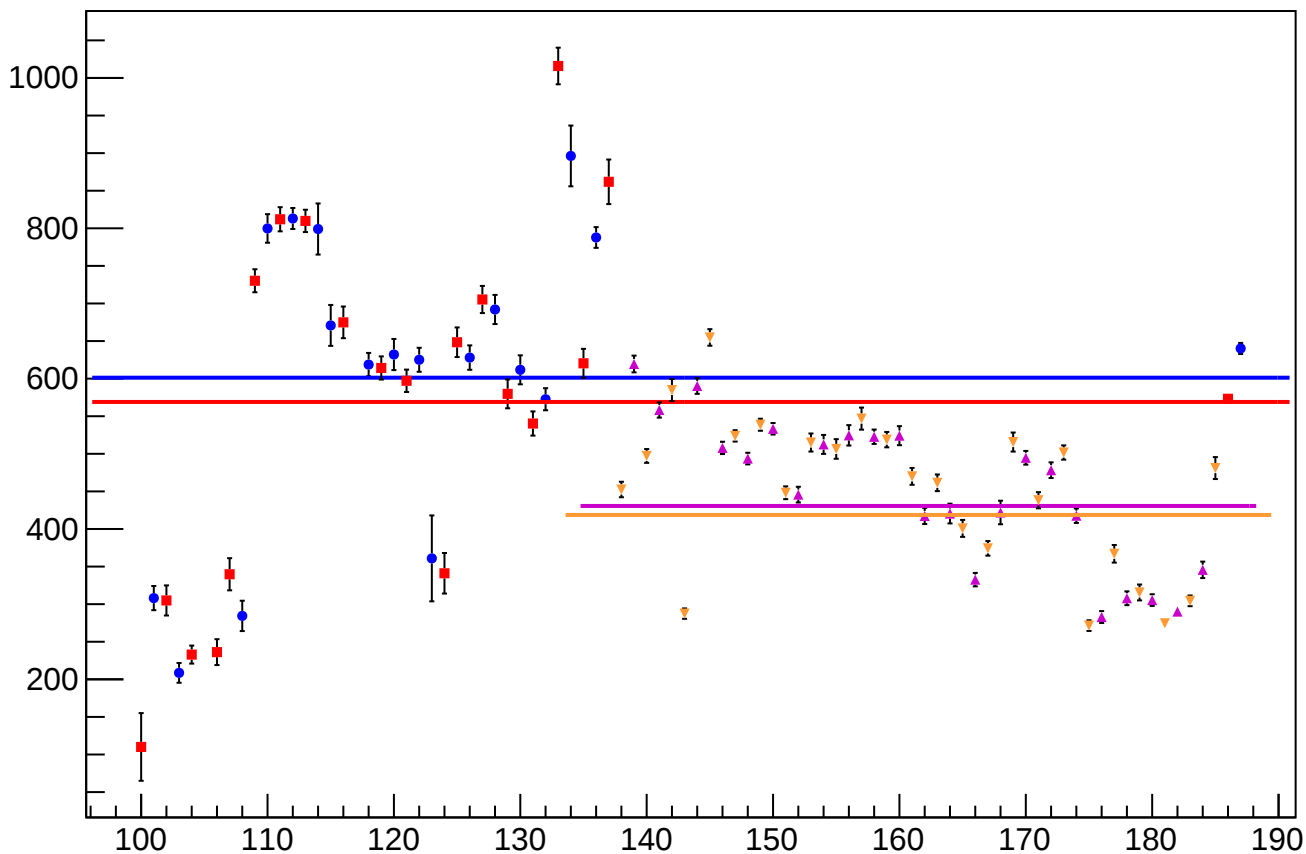
Left In: -3.420 $\pm$ 1.520 χ^2/NDF : 451.0/22

+ sign -4.280 $\pm$ 1.214 χ^2/NDF : 946.1/42

All: -3.605 $\pm$ 0.871 χ^2/NDF : 1786.4/85

- sign -2.889 $\pm$ 1.250 χ^2/NDF : 839.6/42

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 601.264 $\pm$ 3.753 χ^2 /NDF: 2164.8/17

Left Out: 418.680 $\pm$ 1.905 χ^2 /NDF:3296.5/24

Right Out: 568.997 $\pm$ 3.405 χ^2 /NDF: 2783.4/19

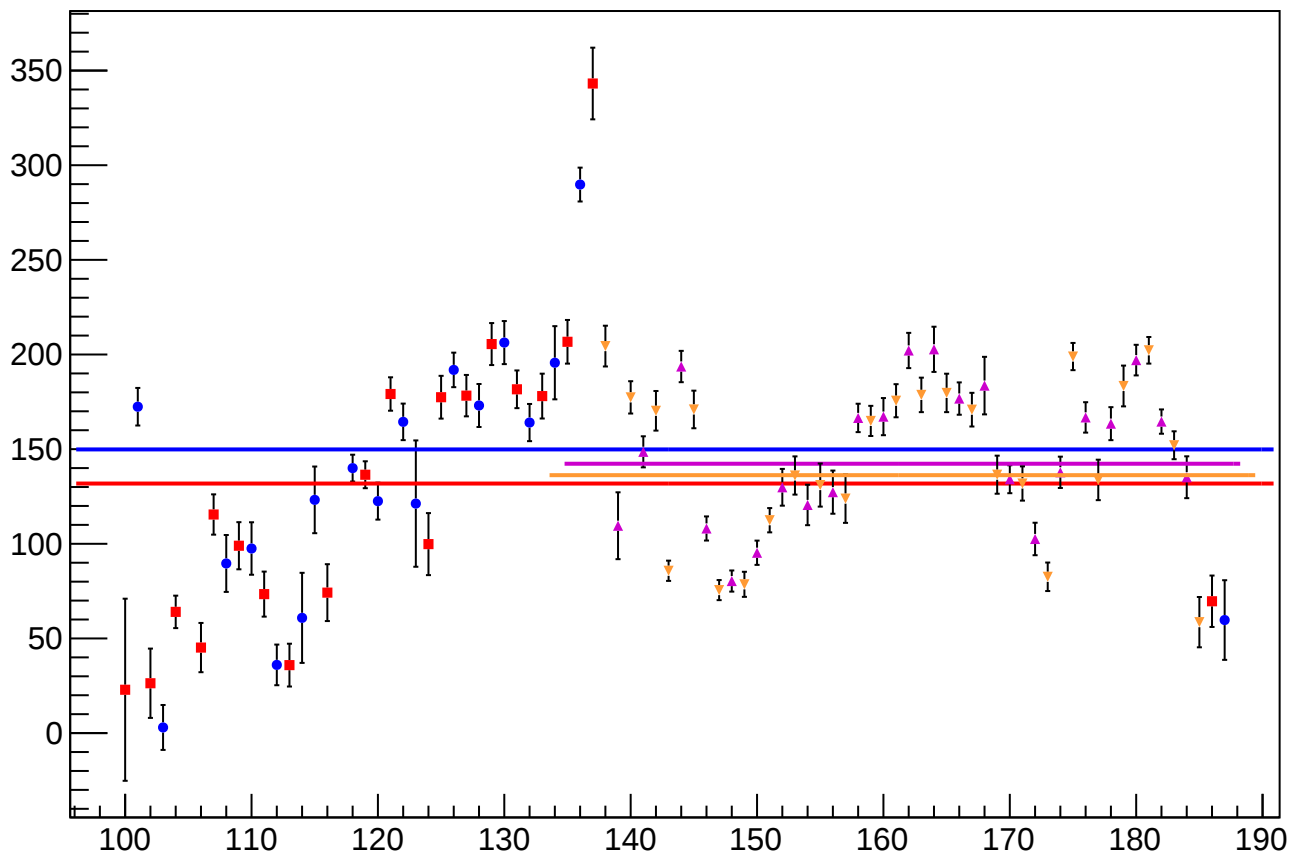
Left In: 430.640 $\pm$ 1.971 χ^2 /NDF:2850.6/22

+ sign 456.087 $\pm$ 1.699 χ^2 /NDF: 7343.6/42

All: 460.701 $\pm$ 1.204 χ^2 /NDF: 14229.0/85

- sign 465.353 $\pm$ 1.706 χ^2 /NDF: 6870.6/42

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 149.858 ± 2.693 χ^2/NDF : 650.9/17

Left Out: 136.258 ± 1.651 χ^2/NDF : 758.3/24

Right Out: 131.832 ± 2.572 χ^2/NDF : 604.7/19

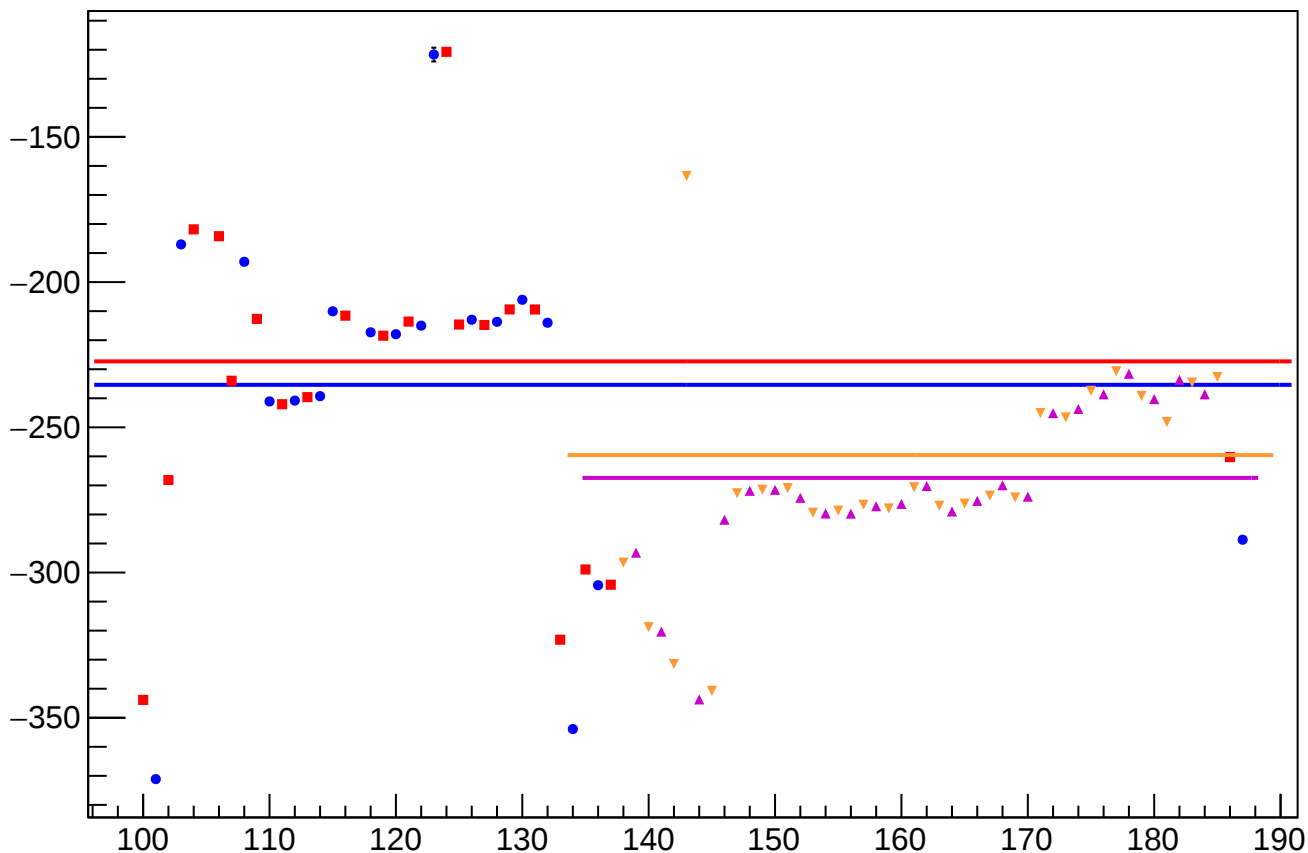
Left In: 142.296 ± 1.745 χ^2/NDF : 459.8/22

+ sign 139.974 ± 1.407 χ^2/NDF : 1427.7/42

All: 139.499 ± 1.008 χ^2/NDF : 2503.7/85

- sign 138.999 ± 1.444 χ^2/NDF : 1075.8/42

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -235.368+/-0.148 χ^2/NDF : 147053.7/17

Left Out: -259.557+/-0.079 χ^2/NDF : 238235.2/24

Right Out: -227.294+/-0.140 χ^2/NDF : 100152.6/19

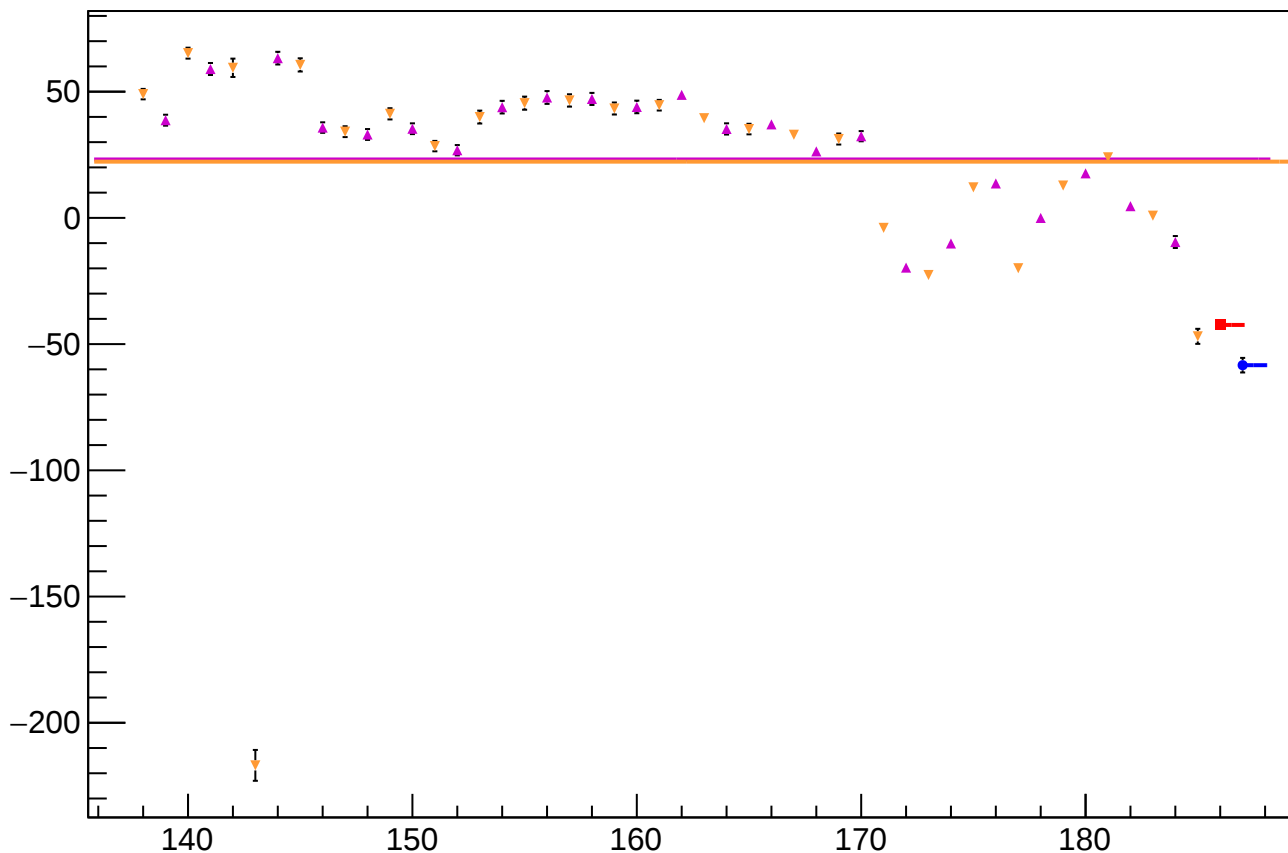
Left In: -267.417+/-0.082 χ^2/NDF : 98035.5/22

+ sign -254.187+/-0.070 χ^2/NDF : 406055.2/42

All: -255.694+/-0.050 χ^2/NDF : 666431.0/85

- sign -257.236+/-0.071 χ^2/NDF : 259431.5/42

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -58.350 ± 2.889 χ^2/NDF : 0.0/0

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -42.407 ± 1.746 χ^2/NDF : 0.0/0

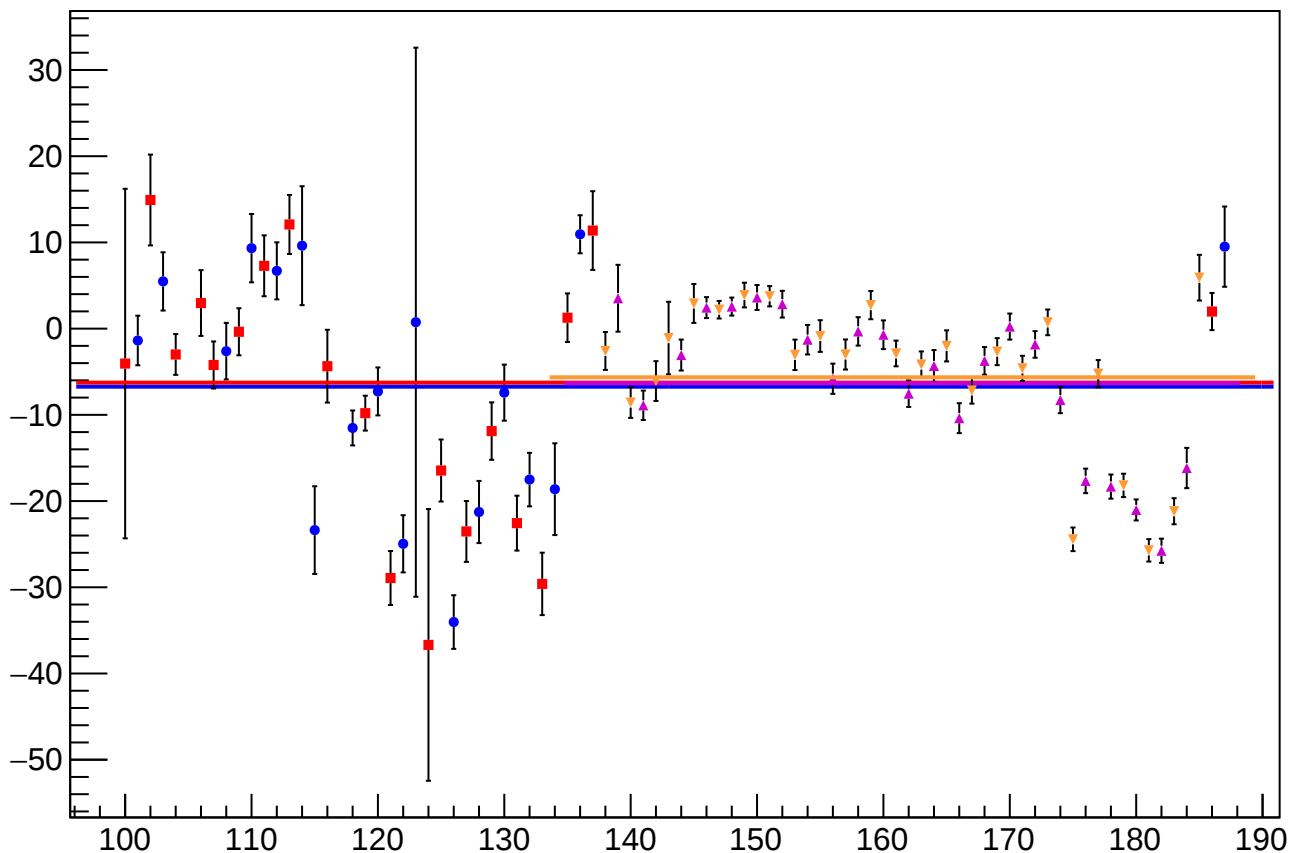
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 20.772 ± 0.395 χ^2/NDF : 5935.5/25

All: 20.304 ± 0.278 χ^2/NDF : 10021.4/49

- sign 19.845 ± 0.391 χ^2/NDF : 4083.1/23

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.733 ± 0.779 χ^2/NDF : 290.0/17

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -6.261 ± 0.718 χ^2/NDF : 271.4/19

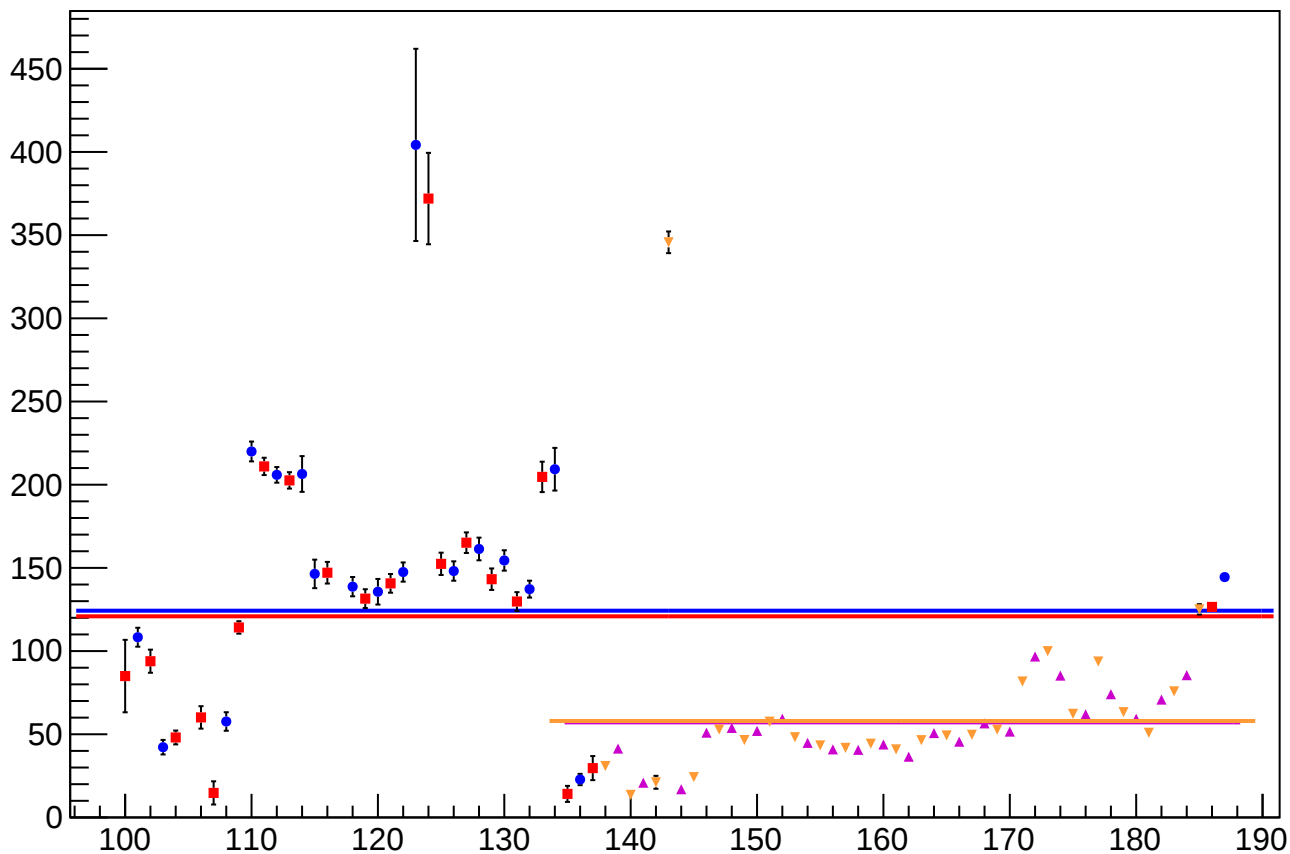
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.796 ± 0.292 χ^2/NDF : 1185.4/42

All: -6.059 ± 0.207 χ^2/NDF : 2241.5/85

- sign -6.324 ± 0.293 χ^2/NDF : 1054.4/42

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 124.273 $\pm$ 1.218 χ^2/NDF : 2257.4/17

Left Out: 57.990 $\pm$ 0.398 χ^2/NDF : 4635.7/24

Right Out: 120.885 $\pm$ 0.977 χ^2/NDF : 2167.3/19

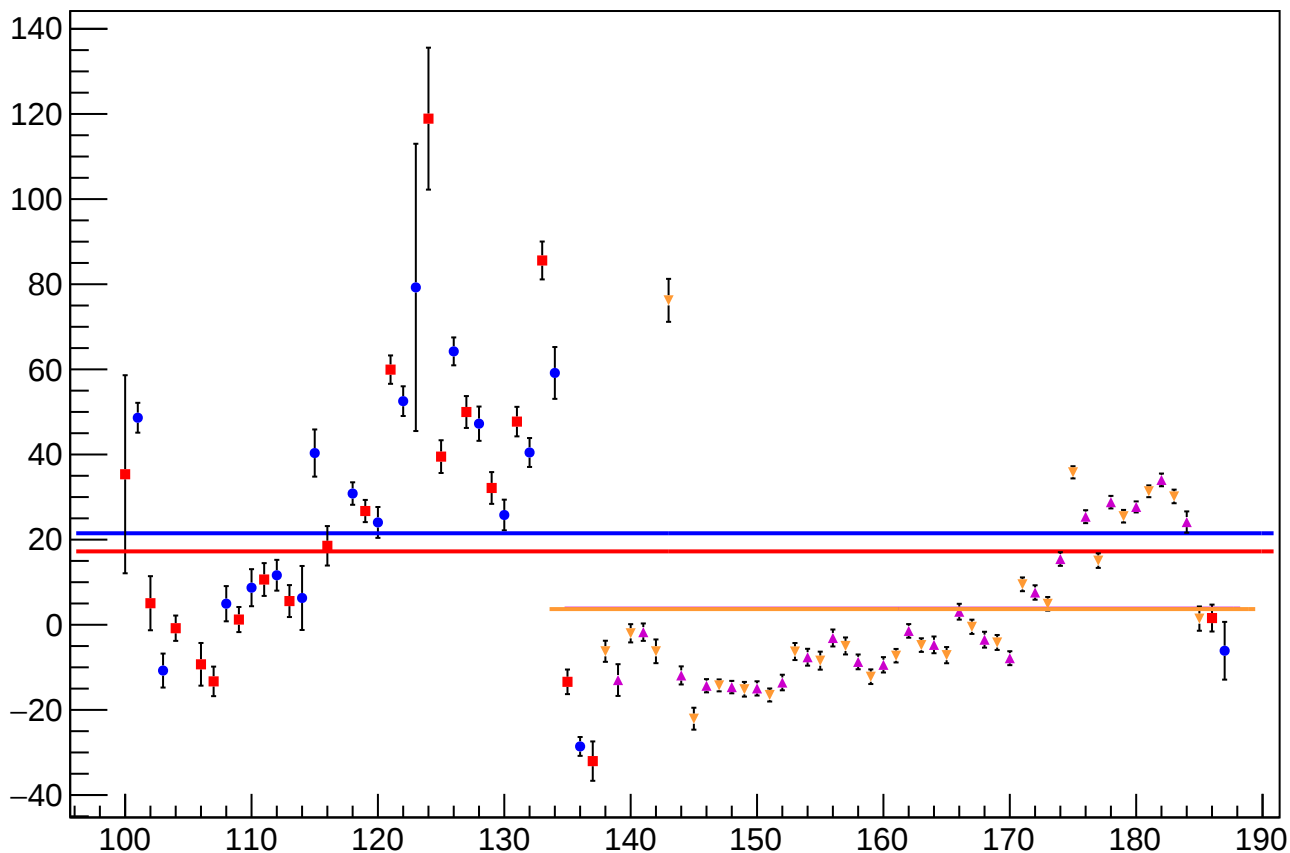
Left In: 57.139 $\pm$ 0.400 χ^2/NDF : 1803.4/22

+ sign 64.383 $\pm$ 0.378 χ^2/NDF : 9568.8/42

All: 65.351 $\pm$ 0.264 χ^2/NDF : 17200.7/85

- sign 66.276 $\pm$ 0.370 χ^2/NDF : 7619.1/42

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 21.495 $\pm$ 0.892 χ^2 /NDF: 1078.1/17

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 17.237 $\pm$ 0.841 χ^2 /NDF: 1092.4/19

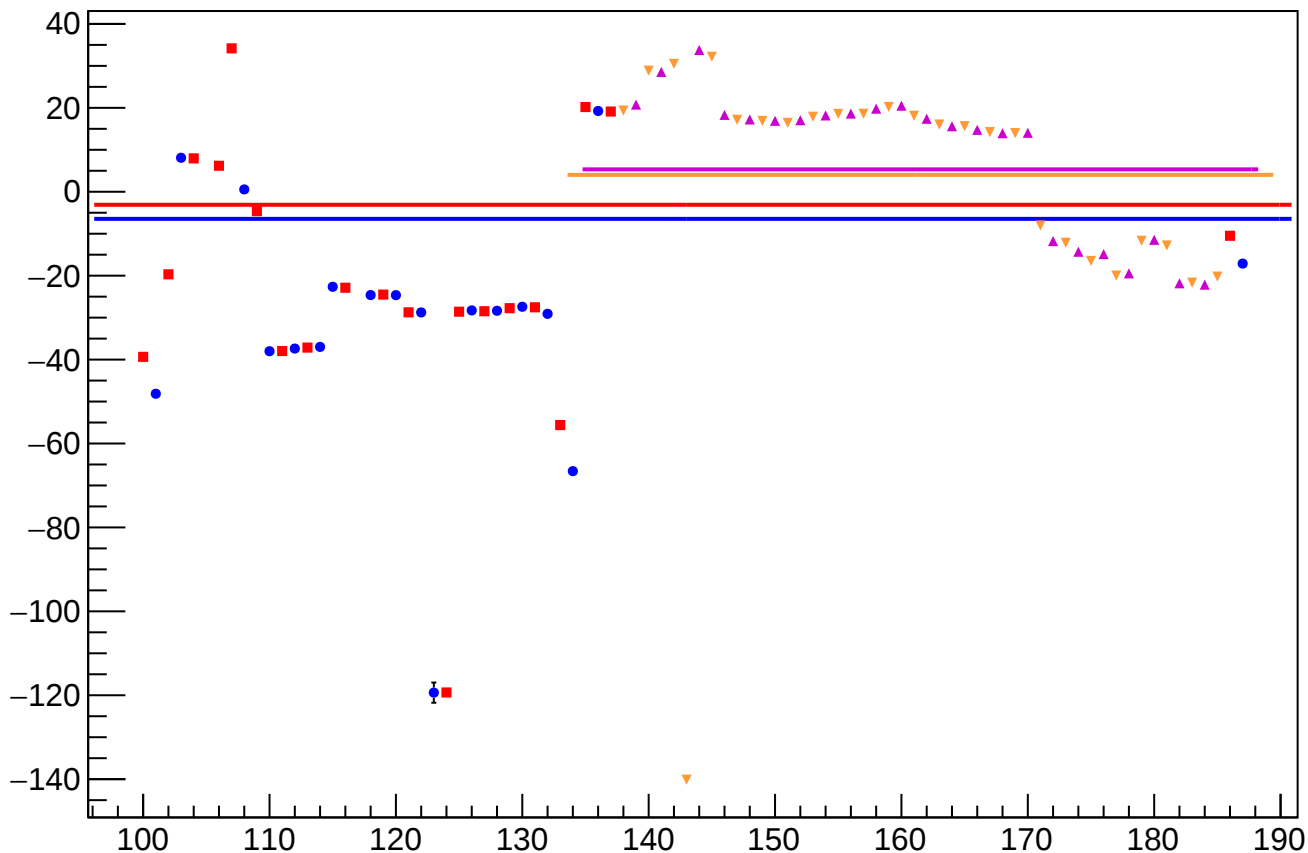
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 6.138 $\pm$ 0.331 χ^2 /NDF: 3963.2/42

All: 6.012 $\pm$ 0.235 χ^2 /NDF: 7470.5/85

- sign 5.886 $\pm$ 0.332 χ^2 /NDF: 3507.1/42

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.460 ± 0.046 χ^2/NDF : 264882.7/17

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -3.103 ± 0.045 χ^2/NDF : 266158.9/19

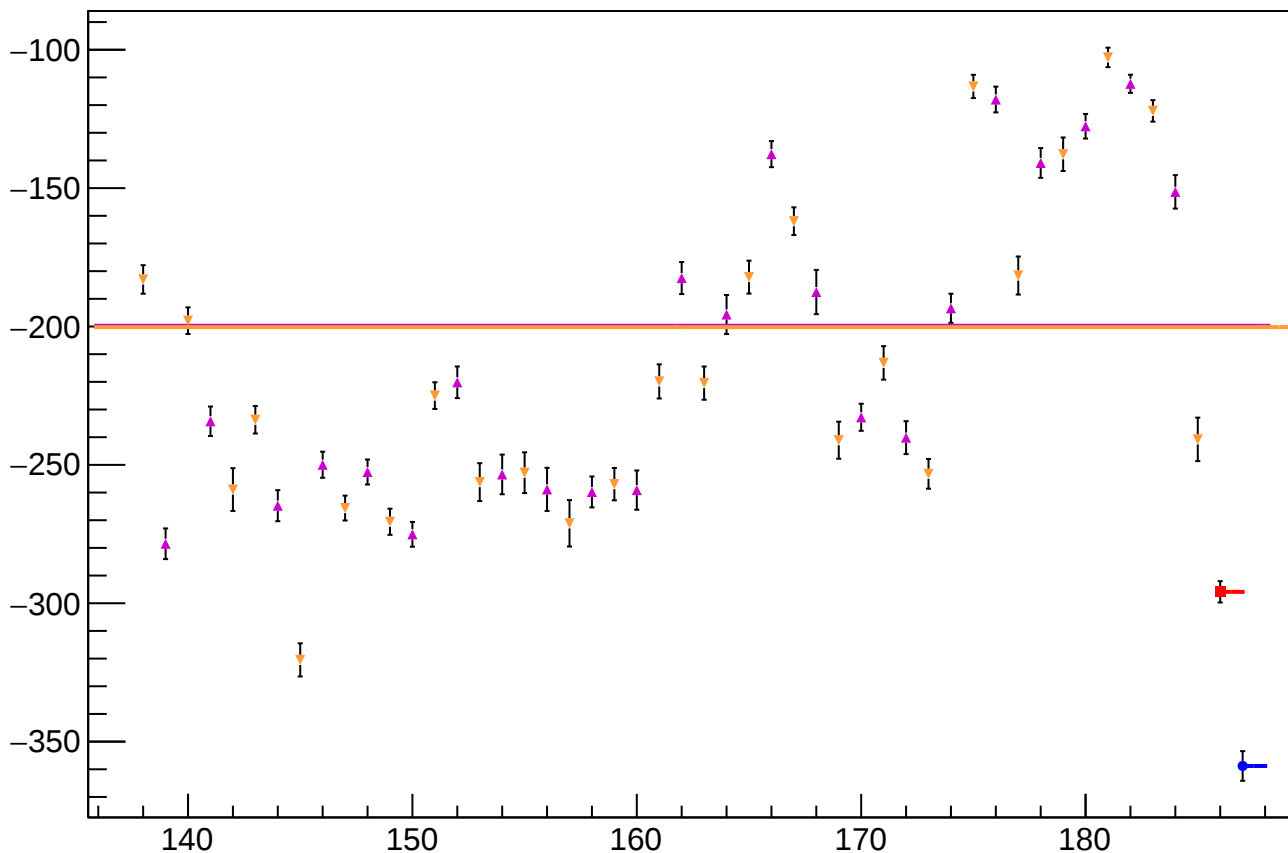
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 2.849 ± 0.015 χ^2/NDF : 1694100.5/42

All: 3.593 ± 0.011 χ^2/NDF : 3073940.3/85

- sign 4.338 ± 0.015 χ^2/NDF : 1375180.1/42

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -358.804 ± 5.356 χ^2/NDF : 0.0/0

Left Out: -200.228 ± 1.078 χ^2/NDF : 3225.0/24

Right Out: -295.882 ± 3.855 χ^2/NDF : 0.0/0

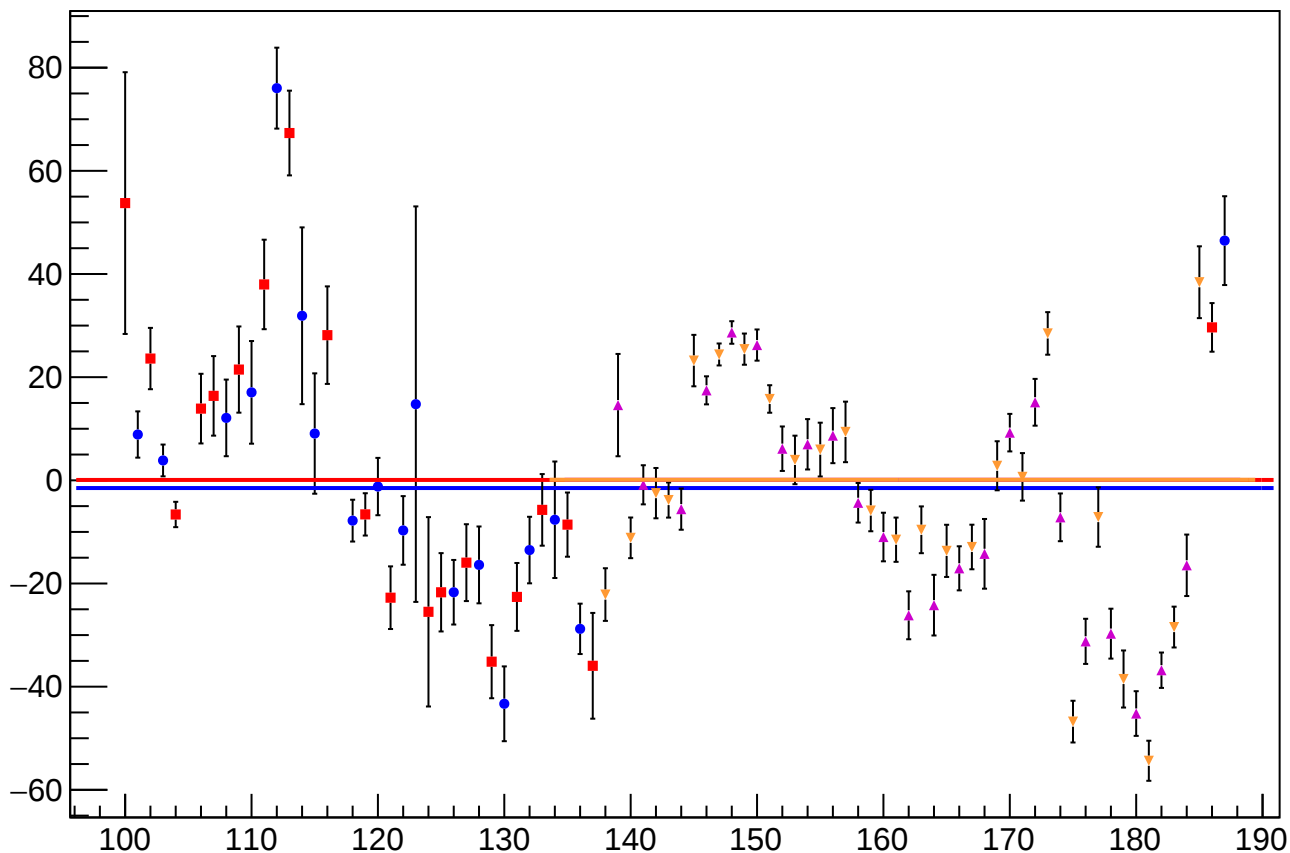
Left In: -199.739 ± 1.097 χ^2/NDF : 2968.0/22

+ sign -206.400 ± 1.057 χ^2/NDF : 4067.5/25

All: -206.673 ± 0.747 χ^2/NDF : 7611.0/49

- sign -206.945 ± 1.055 χ^2/NDF : 3543.3/23

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -1.494 ± 1.448 χ^2/NDF : 235.4/17

Left Out: 0.109 ± 0.807 χ^2/NDF : 831.2/24

Right Out: 0.076 ± 1.340 χ^2/NDF : 260.3/19

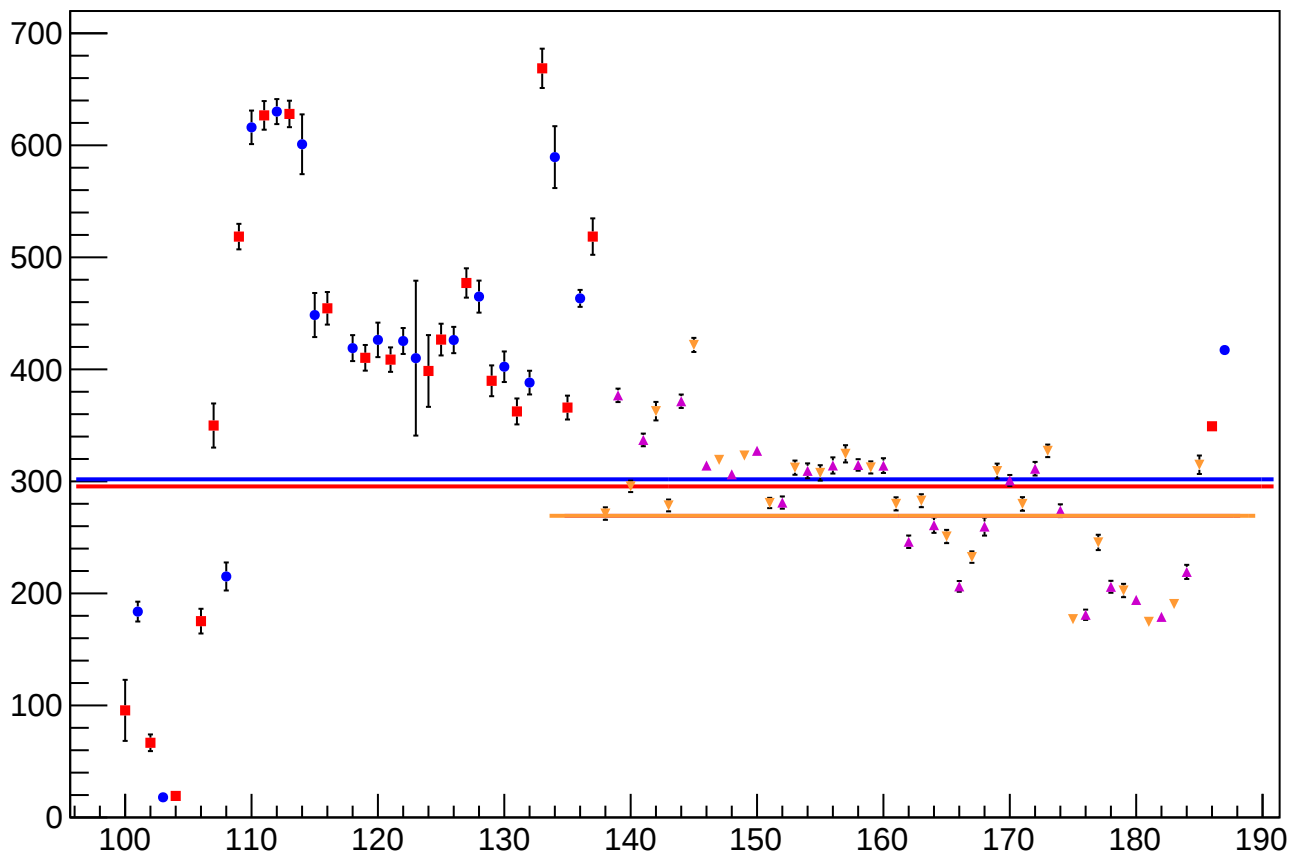
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign -0.271 ± 0.705 χ^2/NDF : 1067.5/42

All: -0.091 ± 0.500 χ^2/NDF : 2043.4/85

- sign 0.091 ± 0.710 χ^2/NDF : 975.8/42

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 301.838 $\pm$ 2.168 χ^2 /NDF: 8522.5/17

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 295.507 $\pm$ 1.921 χ^2 /NDF: 8695.6/19

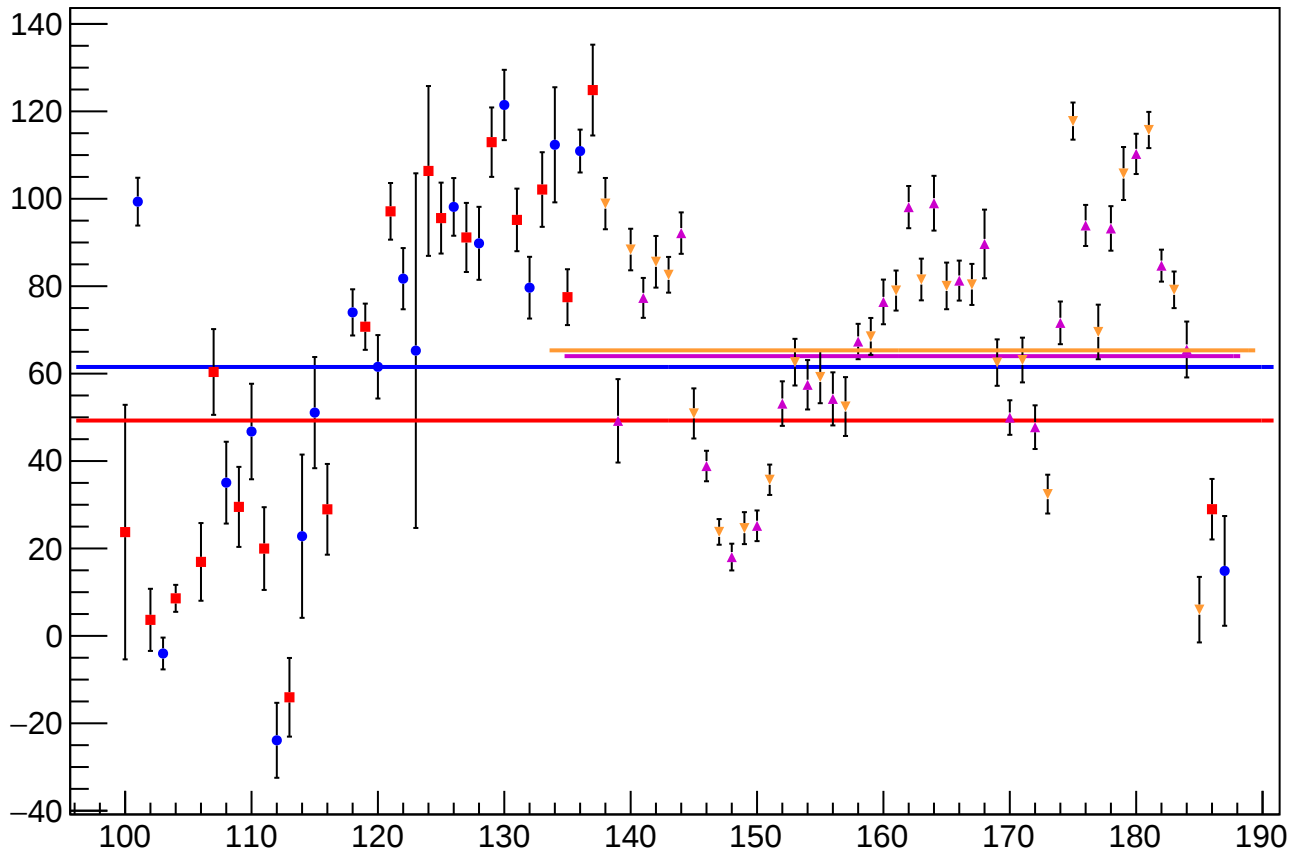
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 275.730 $\pm$ 0.965 χ^2 /NDF: 11850.1/42

All: 275.666 $\pm$ 0.676 χ^2 /NDF: 23857.8/85

- sign 275.605 $\pm$ 0.948 χ^2 /NDF: 12007.7/42

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 61.521+/-1.681 χ^2/NDF : 734.9/17

Left Out: 65.323+/-0.935 χ^2/NDF :1007.1/24

Right Out: 49.269+/-1.600 χ^2/NDF : 662.9/19

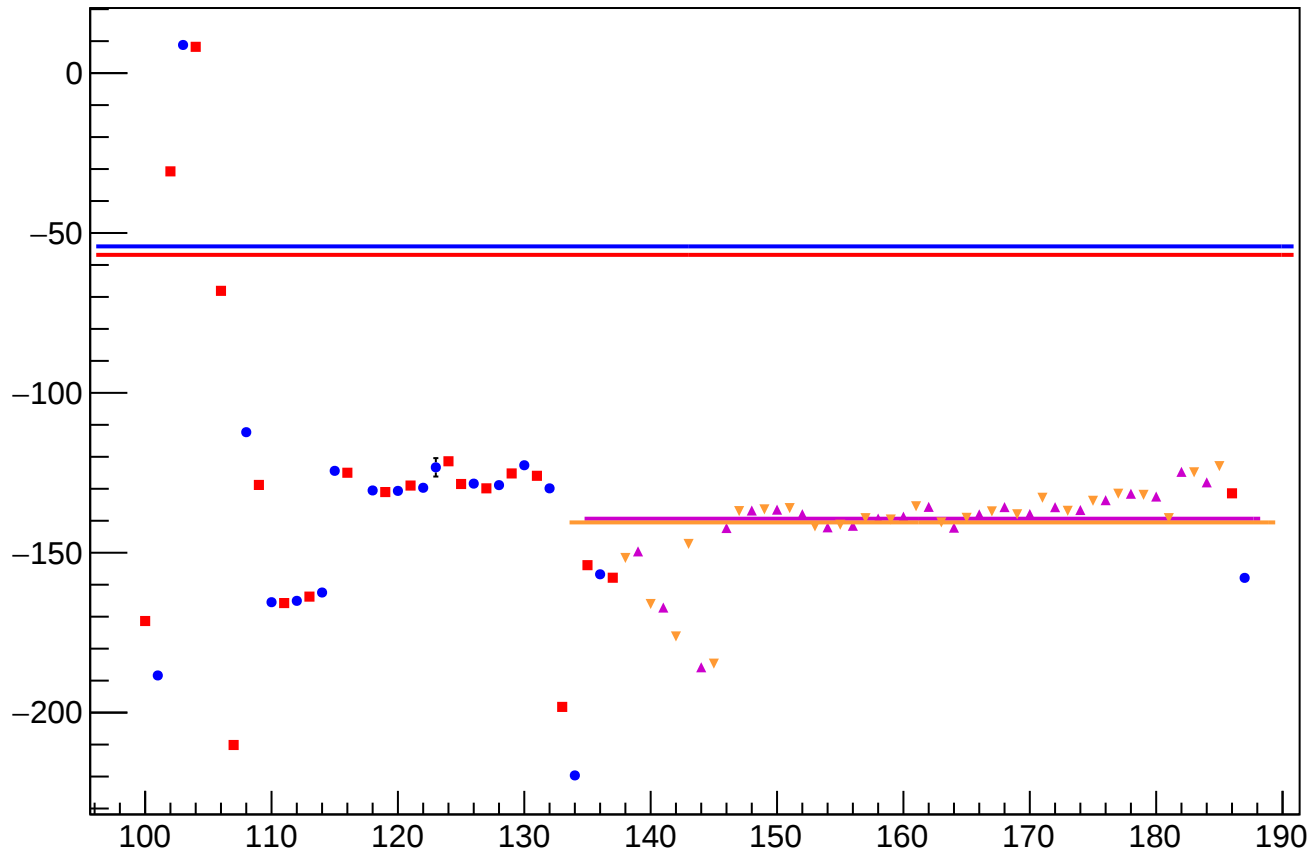
Left In: 63.999+/-0.963 χ^2/NDF :799.5/22

+ sign 64.425+/-0.817 χ^2/NDF : 1746.0/42

All: 62.274+/-0.580 χ^2/NDF : 3284.5/85

- sign 60.081+/-0.825 χ^2/NDF : 1524.6/42

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -54.190 ± 0.070 χ^2/NDF : 1245373.1/17

Left Out: -140.519 ± 0.045 χ^2/NDF : 77489.0/24

Right Out: -56.842 ± 0.071 χ^2/NDF : 988595.4/19

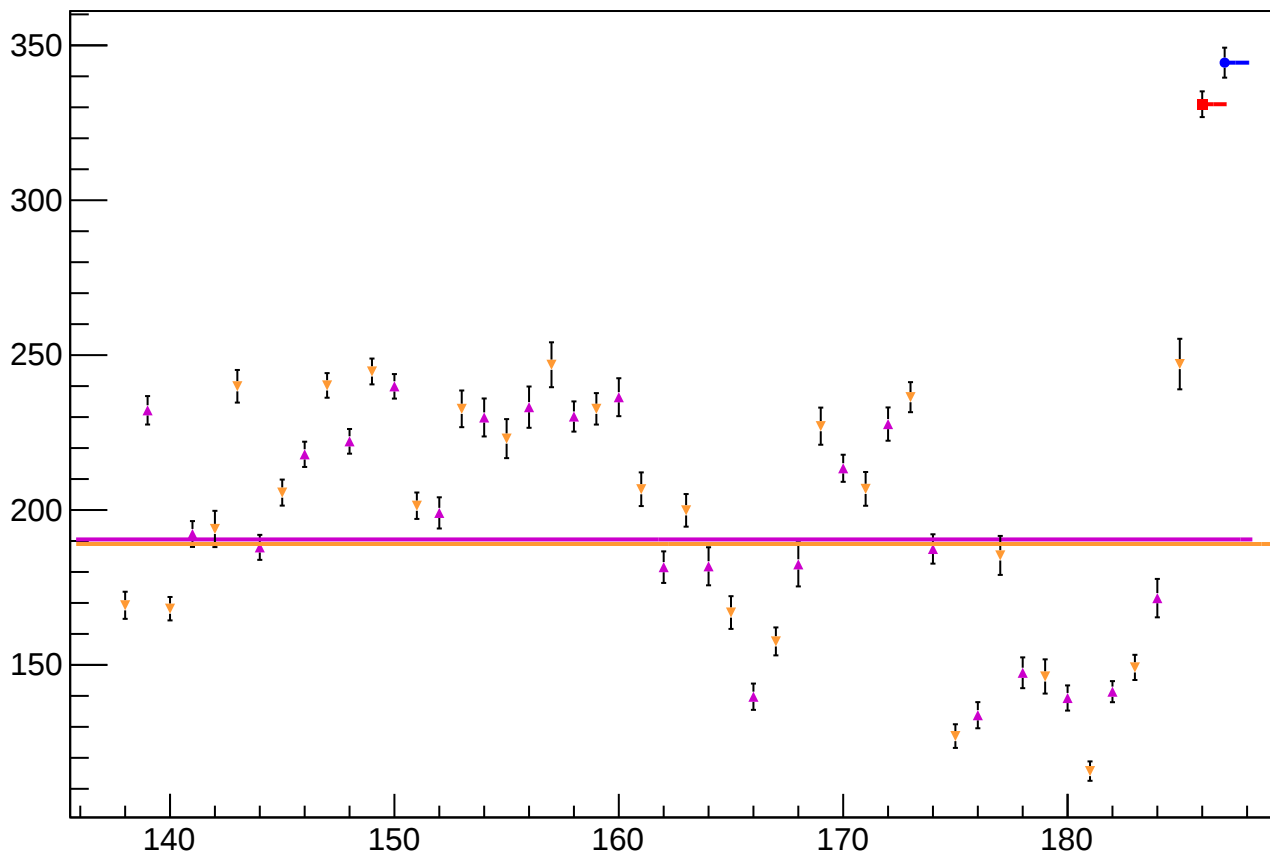
Left In: -139.360 ± 0.045 χ^2/NDF : 62449.0/22

+ sign -115.684 ± 0.038 χ^2/NDF : 2402960.9/42

All: -115.753 ± 0.027 χ^2/NDF : 4412700.4/85

- sign -115.823 ± 0.038 χ^2/NDF : 2009732.7/42

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 344.410 $\pm$ 4.840 χ^2 /NDF: 0.0/0

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 330.994 $\pm$ 4.156 χ^2 /NDF: 0.0/0

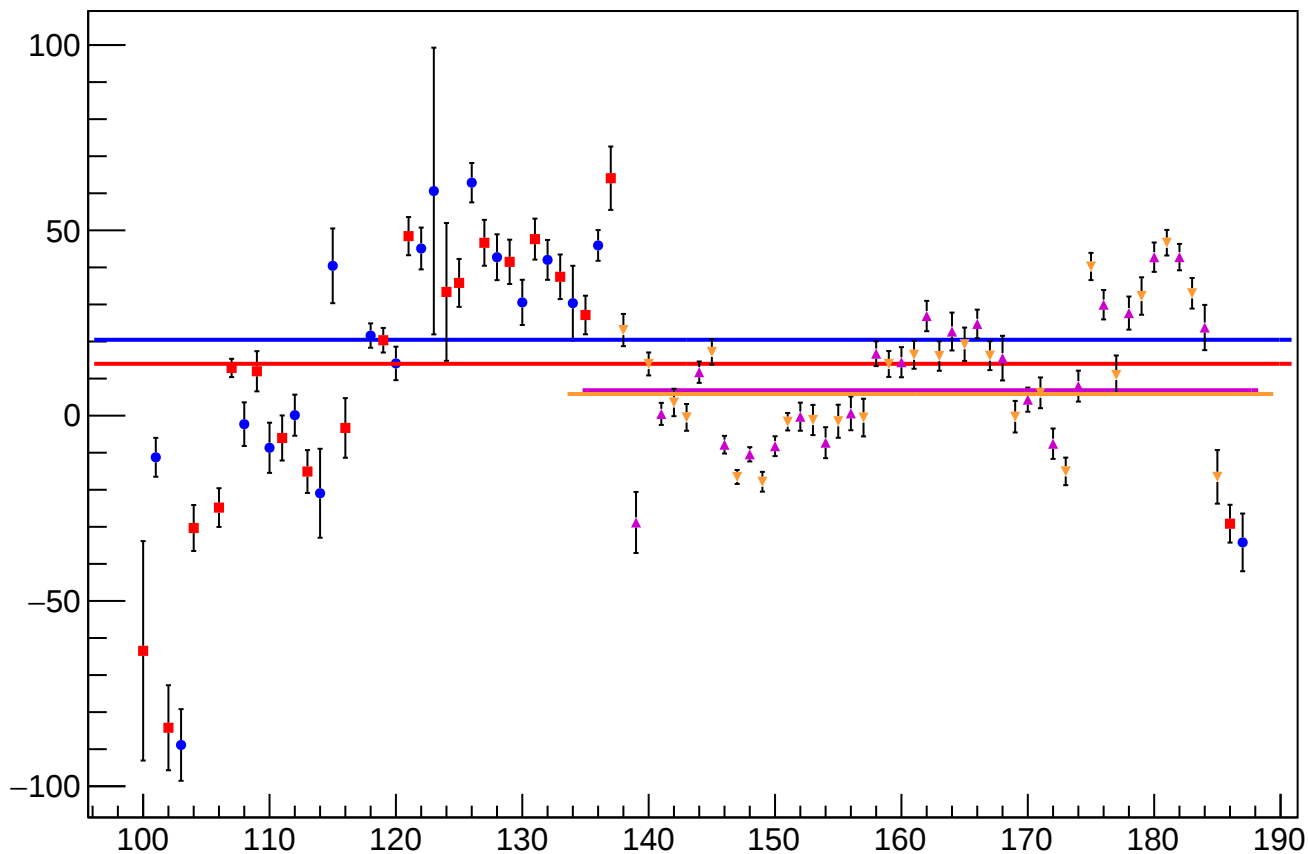
Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 194.862 $\pm$ 0.938 χ^2 /NDF: 2972.8/25

All: 196.331 $\pm$ 0.667 χ^2 /NDF: 5473.5/49

- sign 197.836 $\pm$ 0.949 χ^2 /NDF: 2495.8/23

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 20.472 ± 1.376 χ^2/NDF : 432.8/17

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 13.990 ± 1.194 χ^2/NDF : 501.7/19

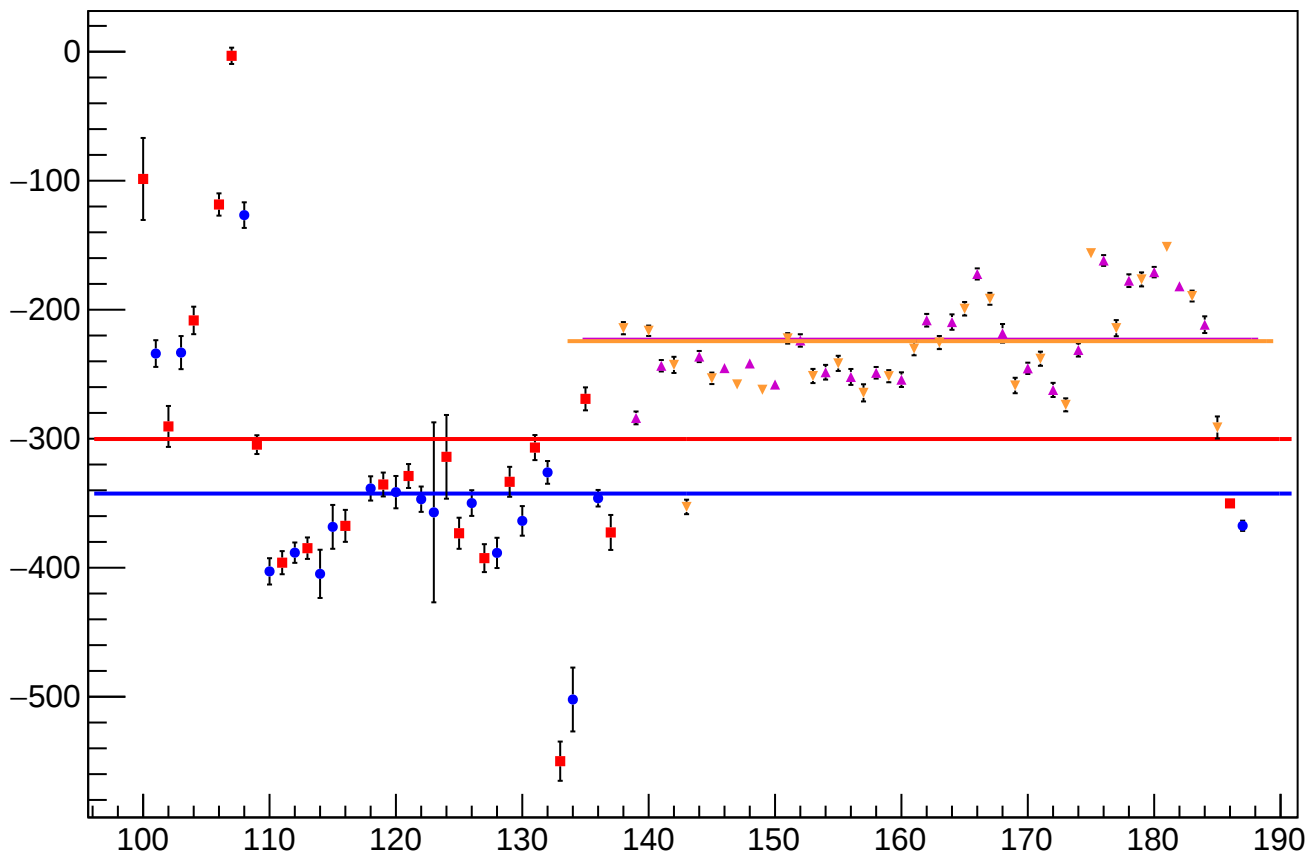
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 8.929 ± 0.633 χ^2/NDF : 1174.3/42

All: 8.876 ± 0.445 χ^2/NDF : 2224.6/85

- sign 8.824 ± 0.627 χ^2/NDF : 1050.3/42

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -342.511 ± 2.168 χ^2/NDF : 842.1/17

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -300.232 ± 1.905 χ^2/NDF : 3697.0/19

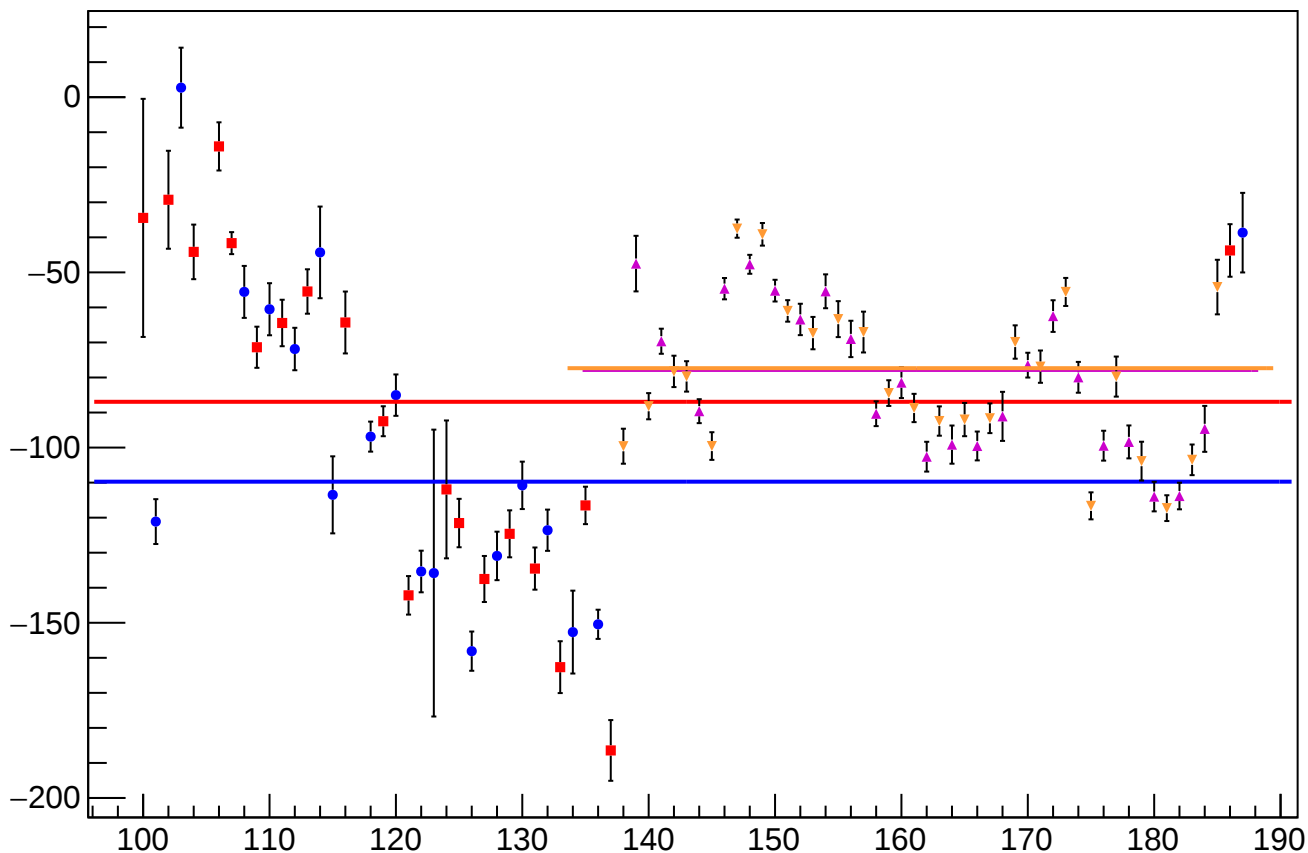
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -243.604 ± 0.875 χ^2/NDF : 5432.4/42

All: -241.305 ± 0.615 χ^2/NDF : 11711.0/85

- sign -239.062 ± 0.864 χ^2/NDF : 6264.9/42

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -109.732 $\pm$ 1.585 χ^2/NDF : 544.5/17

Left Out: -77.343 $\pm$ 0.827 χ^2/NDF : 846.2/24

Right Out: -86.935 $\pm$ 1.409 χ^2/NDF : 1003.1/19

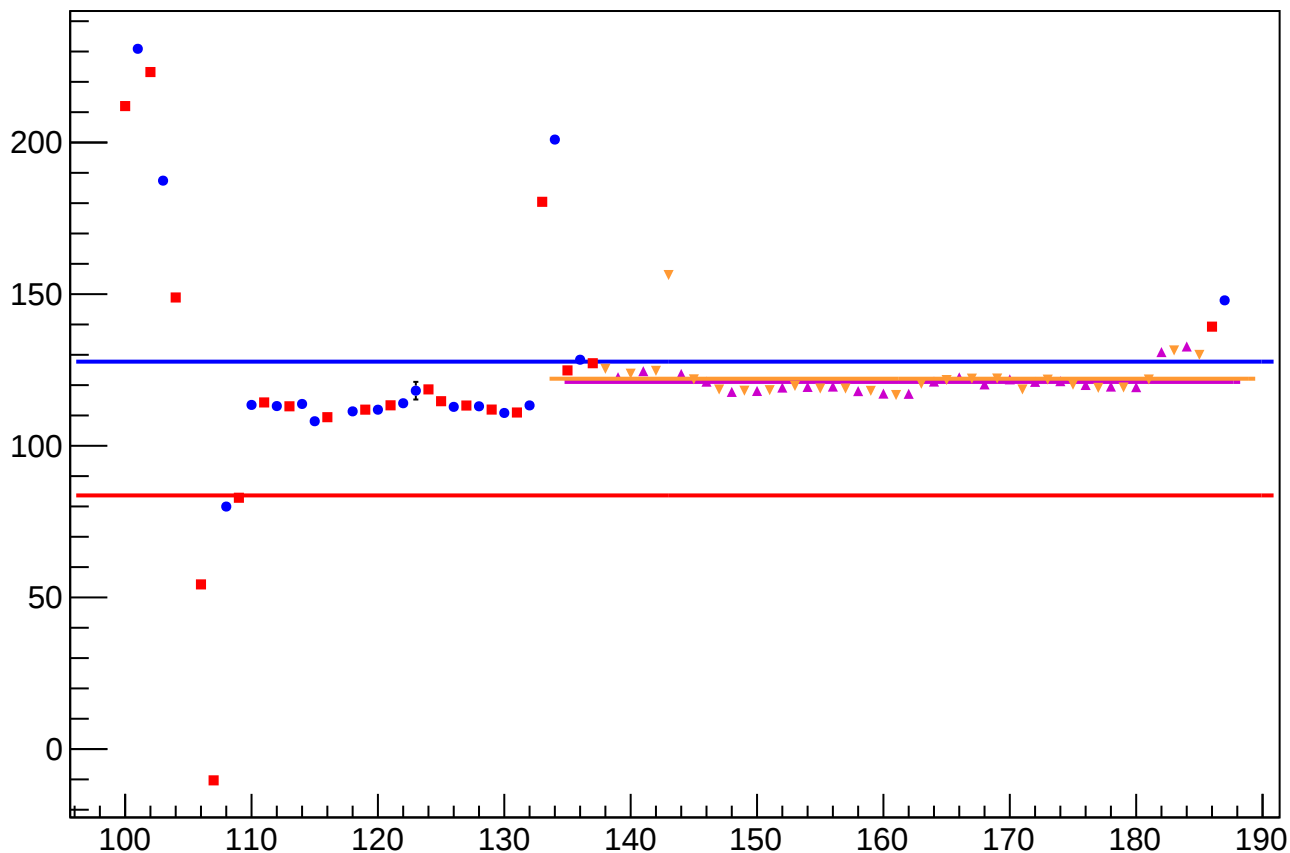
Left In: -77.838 $\pm$ 0.849 χ^2/NDF : 622.8/22

+ sign -84.268 $\pm$ 0.733 χ^2/NDF : 1719.0/42

All: -82.247 $\pm$ 0.516 χ^2/NDF : 3390.5/85

- sign -80.259 $\pm$ 0.727 χ^2/NDF : 1656.5/42

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.747 $\pm$ 0.089 χ^2 /NDF: 188734.5/17

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 83.635 $\pm$ 0.075 χ^2 /NDF: 775599.3/19

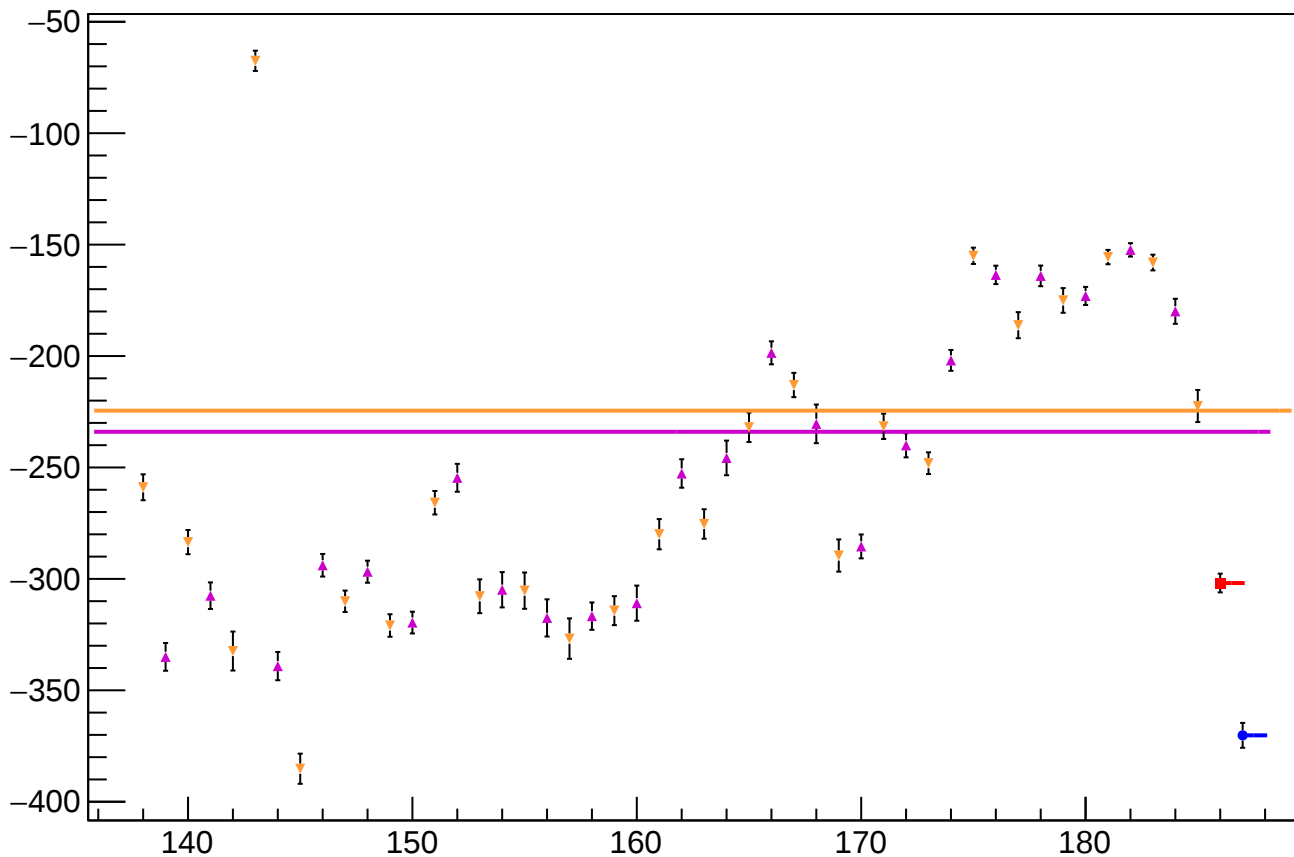
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 123.047 $\pm$ 0.036 χ^2 /NDF: 222576.6/42

All: 117.790 $\pm$ 0.025 χ^2 /NDF: 1243205.3/85

- sign 112.802 $\pm$ 0.035 χ^2 /NDF: 979114.5/42

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -370.205 ± 5.584 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -301.864 ± 4.204 $\chi^2/\text{NDF}: 0.0/0$

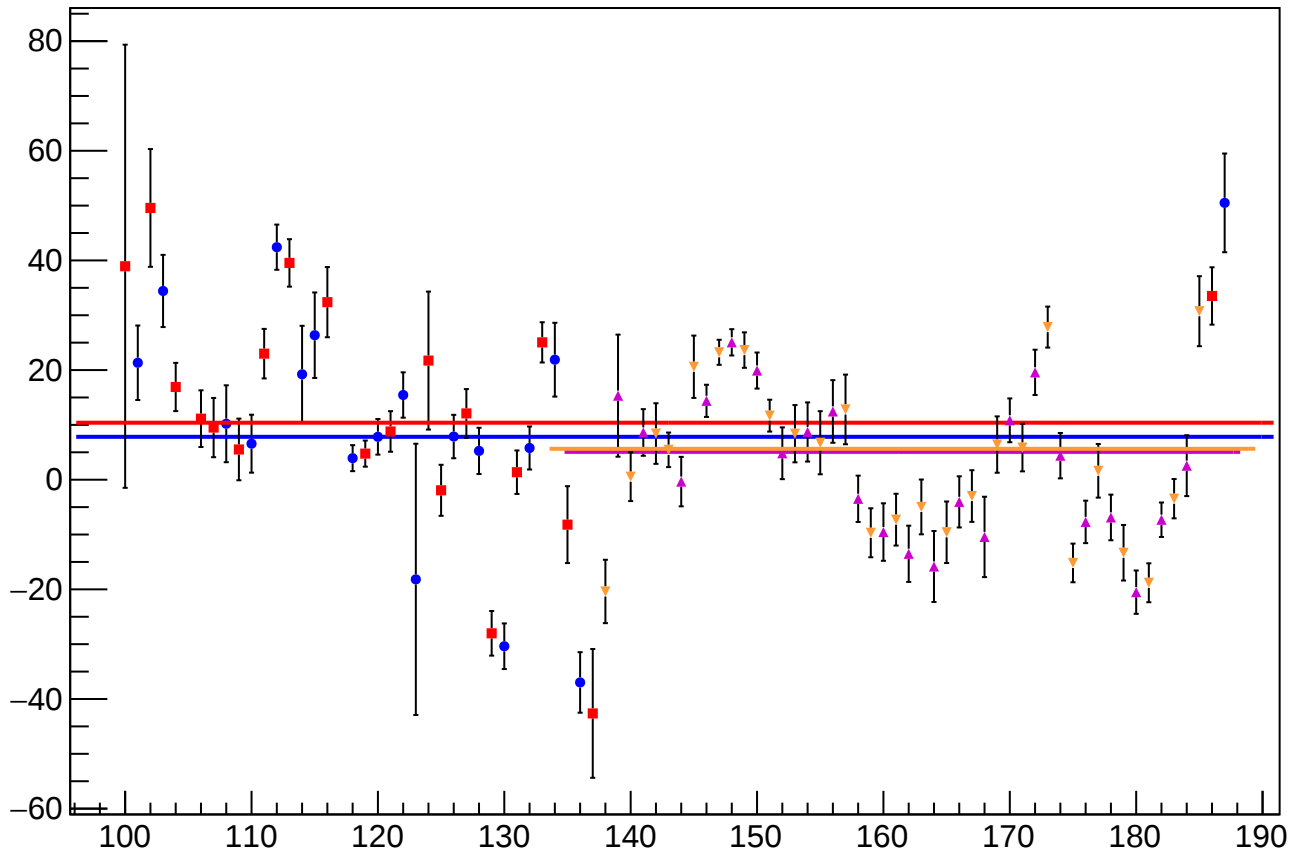
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -229.747 ± 1.059 $\chi^2/\text{NDF}: 5527.0/25$

All: -234.023 ± 0.754 $\chi^2/\text{NDF}: 9342.1/49$

- sign -238.401 ± 1.072 $\chi^2/\text{NDF}: 3782.2/23$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.824 ± 1.097 χ^2/NDF : 282.9/17

Left Out: 5.638 ± 0.828 χ^2/NDF : 313.6/24

Right Out: 10.399 ± 1.051 χ^2/NDF : 252.6/19

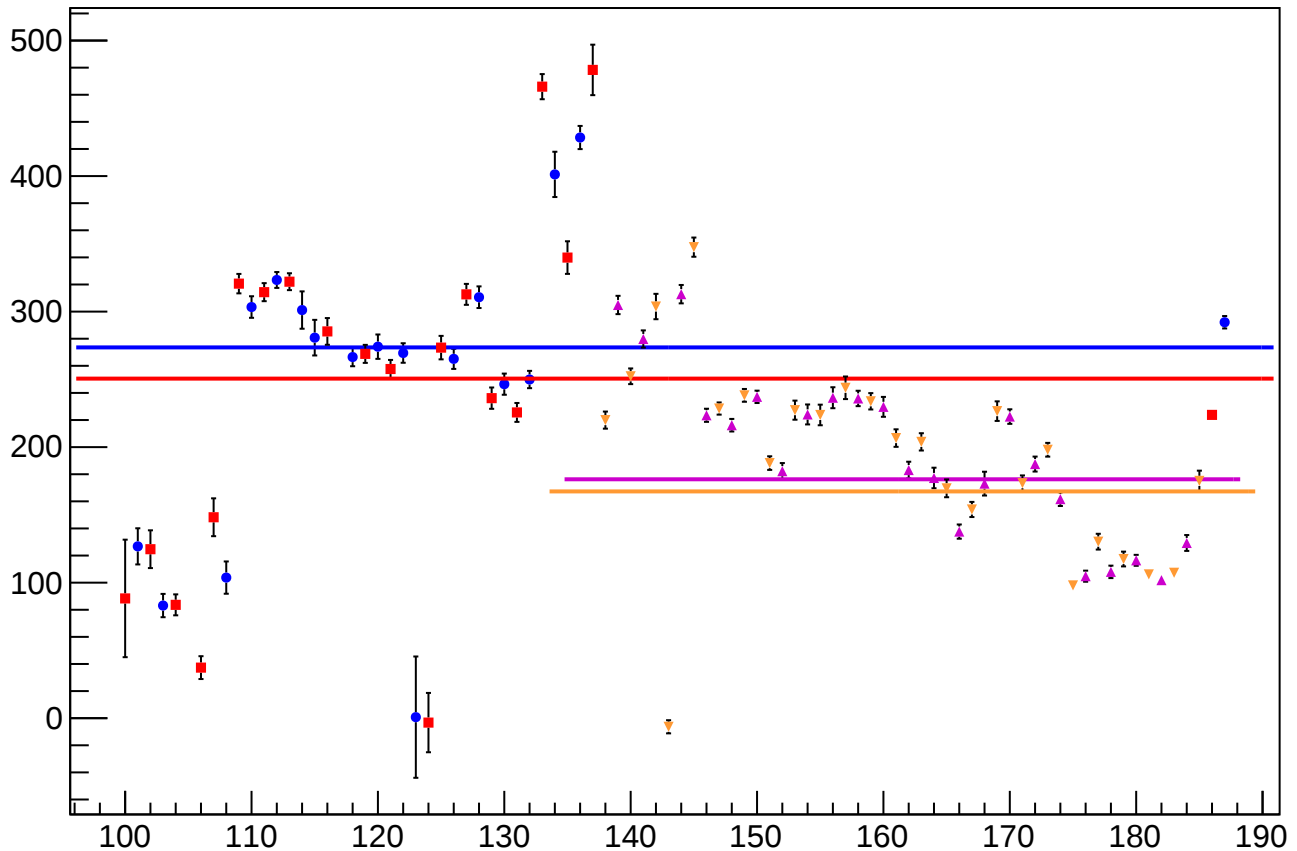
Left In: 5.077 ± 0.869 χ^2/NDF : 239.7/22

+ sign 6.432 ± 0.661 χ^2/NDF : 599.1/42

All: 6.829 ± 0.470 χ^2/NDF : 1107.4/85

- sign 7.238 ± 0.670 χ^2/NDF : 507.5/42

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 273.585 ± 1.905 $\chi^2/\text{NDF}: 1395.6/17$

Left Out: 167.327 ± 1.082 $\chi^2/\text{NDF}: 4454.5/24$

Right Out: 250.559 ± 1.707 $\chi^2/\text{NDF}: 2625.7/19$

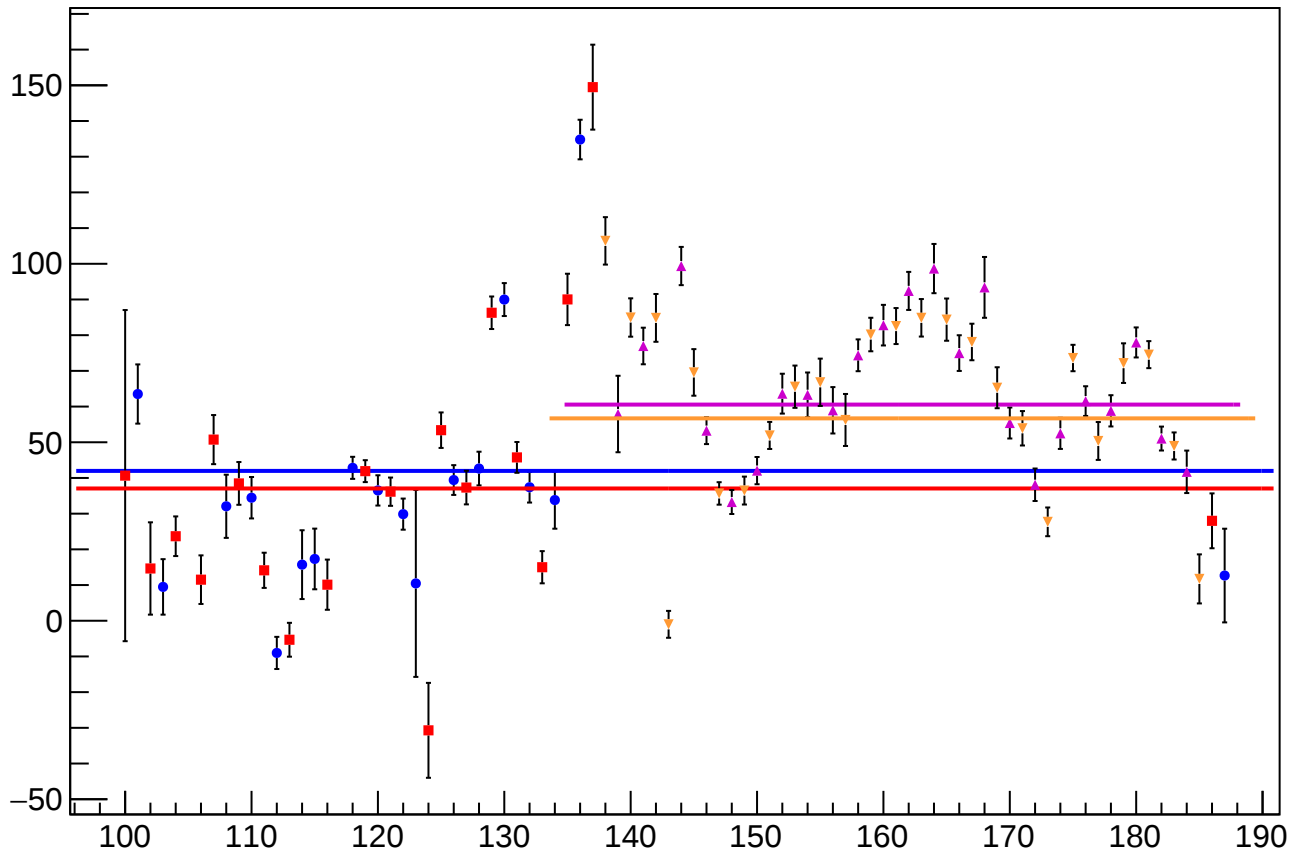
Left In: 176.272 ± 1.106 $\chi^2/\text{NDF}: 3169.5/22$

+ sign 193.262 ± 0.941 $\chi^2/\text{NDF}: 8201.9/42$

All: 195.785 ± 0.661 $\chi^2/\text{NDF}: 15346.0/85$

- sign 198.238 ± 0.928 $\chi^2/\text{NDF}: 7129.9/42$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 41.978 ± 1.271 $\chi^2/\text{NDF}: 578.1/17$

Left Out: 56.695 ± 0.952 $\chi^2/\text{NDF}: 690.4/24$

Right Out: 37.053 ± 1.221 $\chi^2/\text{NDF}: 472.0/19$

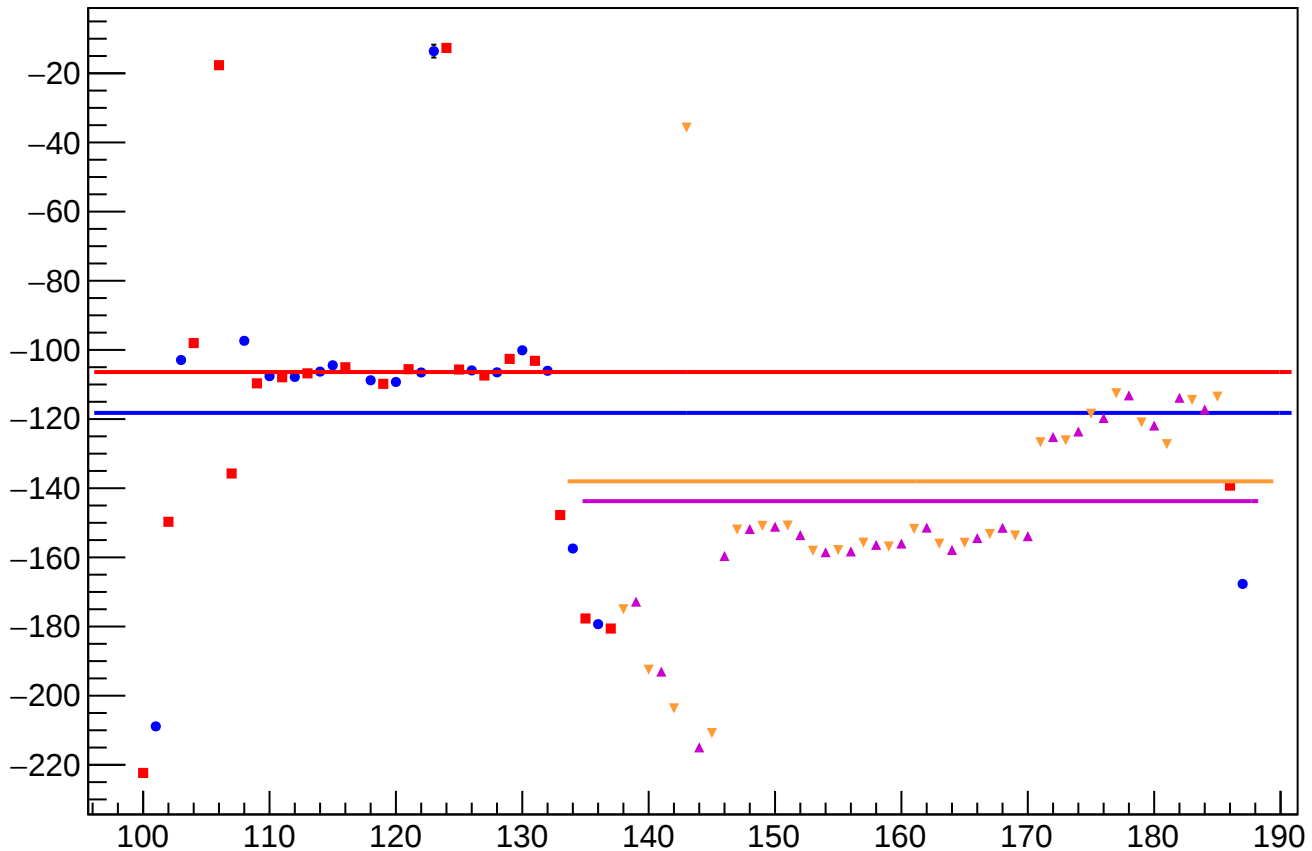
Left In: 60.555 ± 0.990 $\chi^2/\text{NDF}: 335.6/22$

+ sign 51.405 ± 0.762 $\chi^2/\text{NDF}: 1354.5/42$

All: 51.320 ± 0.541 $\chi^2/\text{NDF}: 2385.6/85$

- sign 51.233 ± 0.769 $\chi^2/\text{NDF}: 1031.0/42$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -118.215+/-0.078 χ^2/NDF : 146363.1/17

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -106.397+/-0.072 χ^2/NDF : 326894.5/19

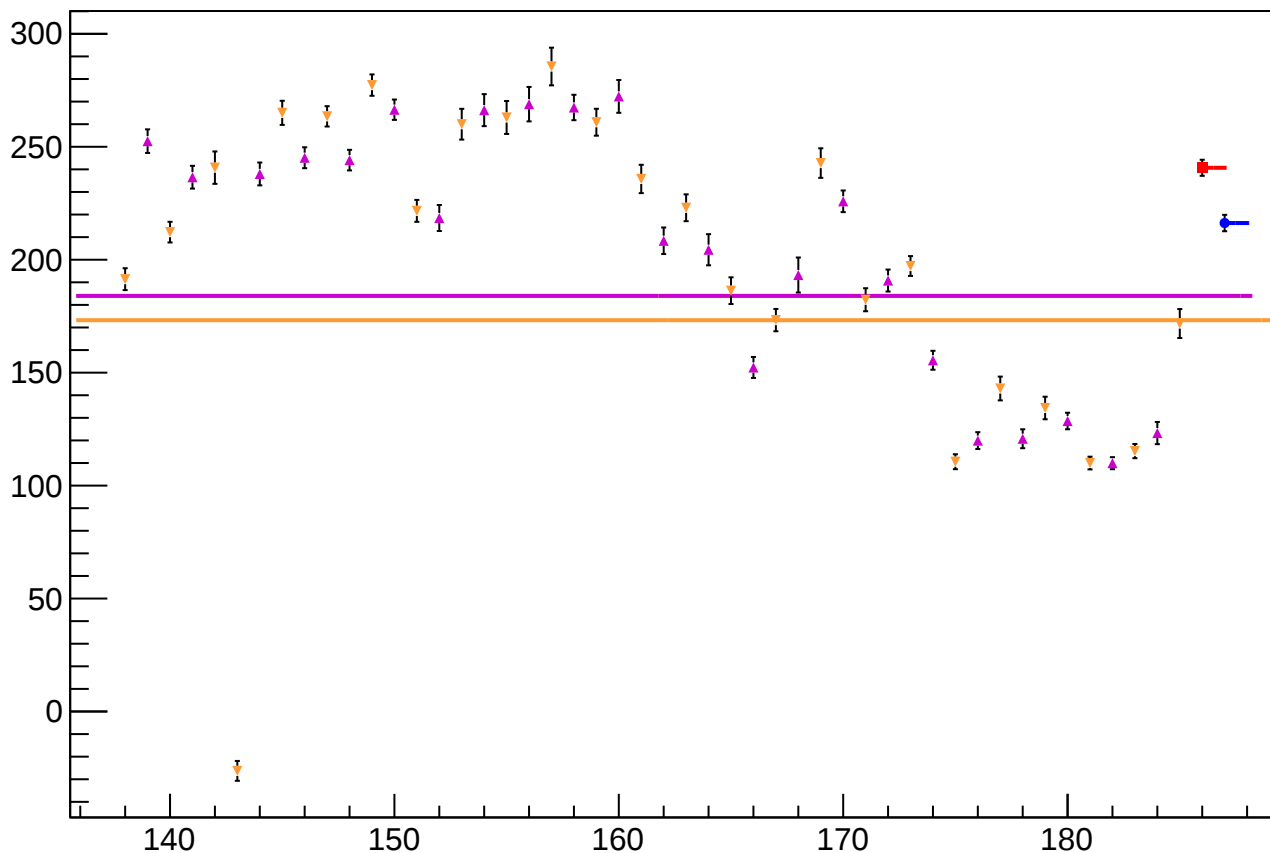
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -133.065+/-0.039 χ^2/NDF : 760177.6/42

All: -132.998+/-0.028 χ^2/NDF : 1535280.1/85

- sign -132.933+/-0.039 χ^2/NDF : 775096.8/42

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 216.242 $\pm$ 3.631 χ^2 /NDF: 0.0/0

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF:5846.0/24

Right Out: 240.702 $\pm$ 3.560 χ^2 /NDF: 0.0/0

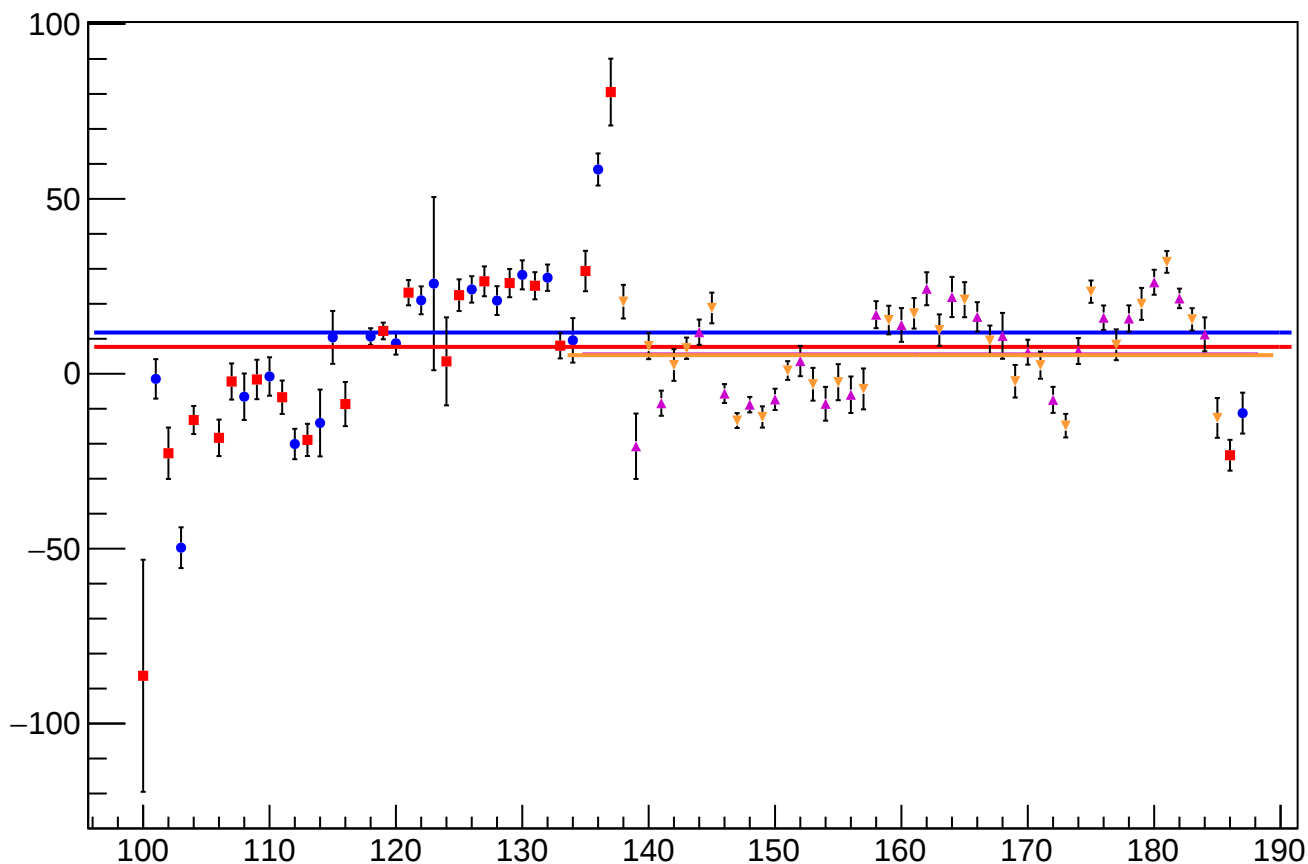
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF:3613.7/22

+ sign 176.071 $\pm$ 0.933 χ^2 /NDF: 5977.0/25

All: 181.930 $\pm$ 0.667 χ^2 /NDF: 9907.0/49

- sign 188.063 $\pm$ 0.955 χ^2 /NDF: 3849.3/23

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 11.790 $\pm$ 1.058 χ^2 /NDF: 364.9/17

Left Out: 5.321 $\pm$ 0.747 χ^2 /NDF: 345.5/24

Right Out: 7.686 $\pm$ 1.021 χ^2 /NDF: 347.0/19

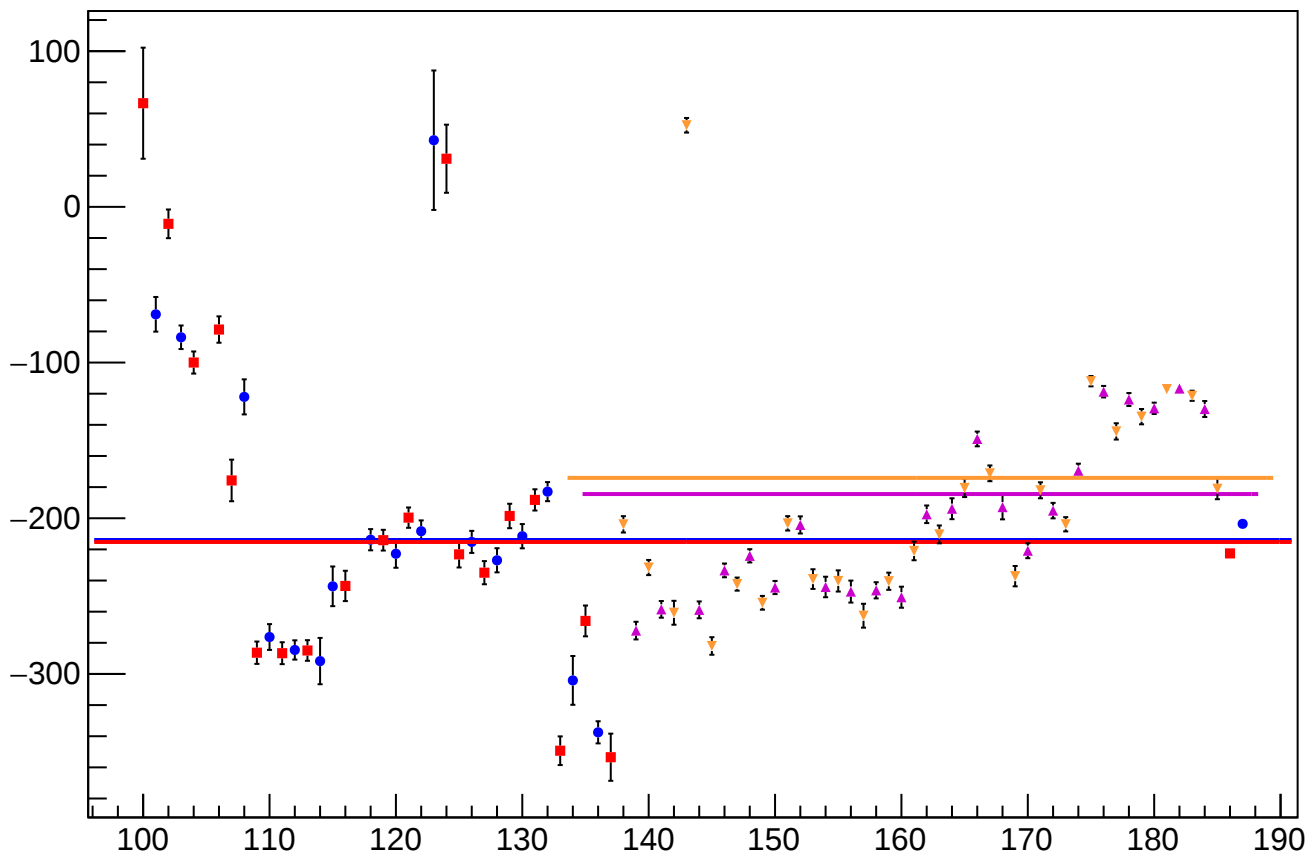
Left In: 5.527 $\pm$ 0.781 χ^2 /NDF: 256.3/22

+ sign 7.473 $\pm$ 0.610 χ^2 /NDF: 735.3/42

All: 6.908 $\pm$ 0.435 χ^2 /NDF: 1343.3/85

- sign 6.324 $\pm$ 0.620 χ^2 /NDF: 606.2/42

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -213.969 ± 1.677 χ^2/NDF : 1162.0/17

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -215.230 ± 1.595 χ^2/NDF : 1894.4/19

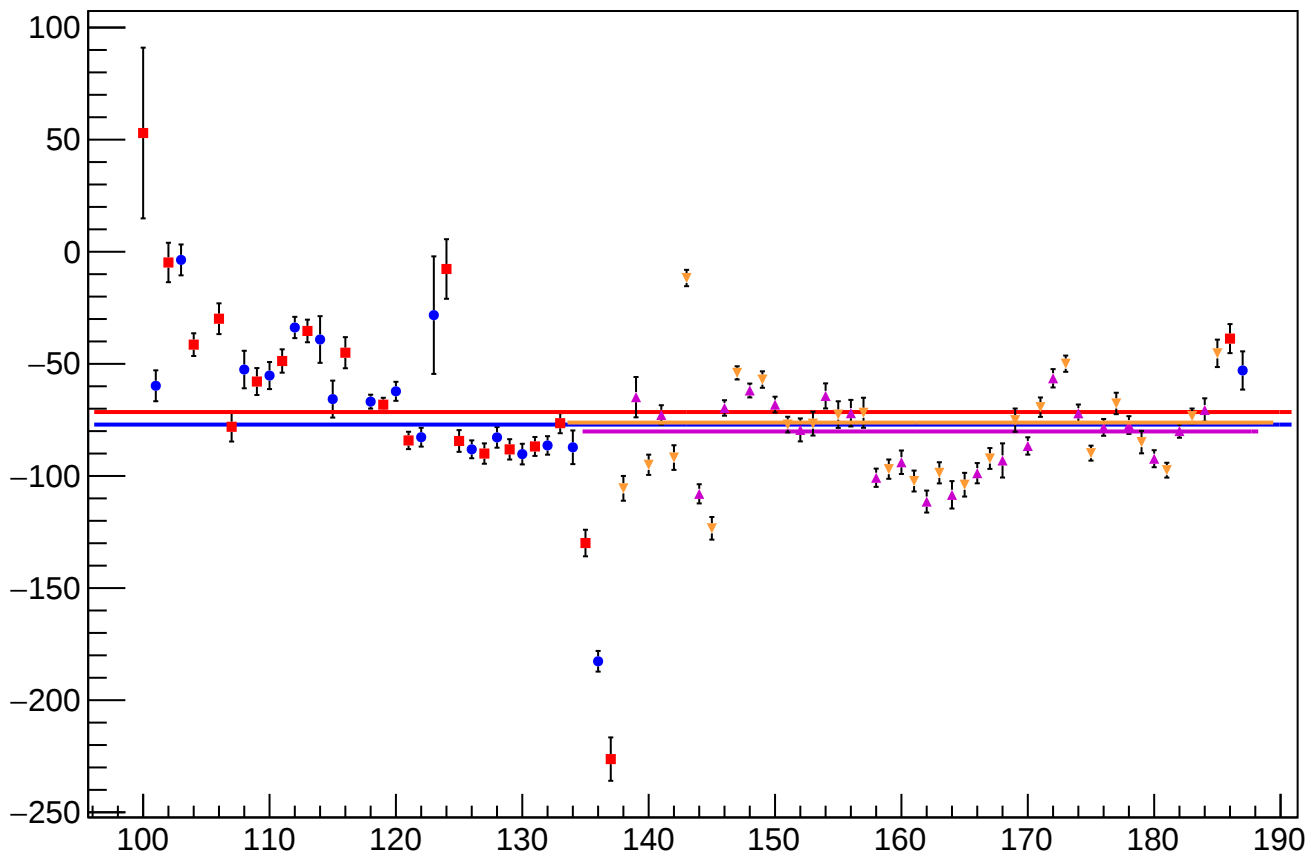
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -184.082 ± 0.840 χ^2/NDF : 7029.6/42

All: -188.544 ± 0.595 χ^2/NDF : 12300.7/85

- sign -193.021 ± 0.841 χ^2/NDF : 5214.6/42

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.082 ± 1.226 χ^2/NDF : 824.6/17

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -71.489 ± 1.188 χ^2/NDF : 696.7/19

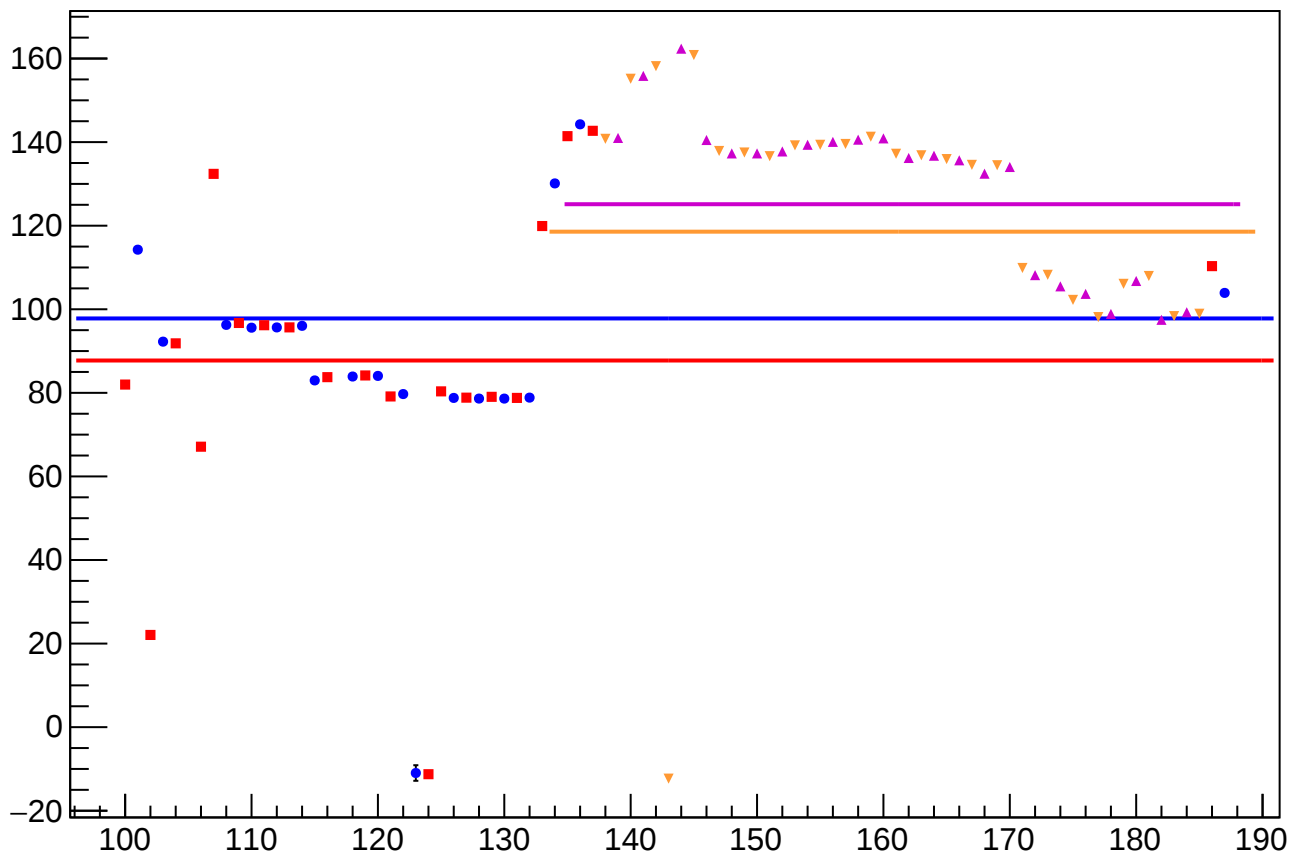
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -76.478 ± 0.703 χ^2/NDF : 1626.0/42

All: -76.755 ± 0.500 χ^2/NDF : 2640.3/85

- sign -77.040 ± 0.712 χ^2/NDF : 1014.0/42

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.803 $\pm$ 0.073 χ^2 /NDF: 94077.9/17

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 87.739 $\pm$ 0.068 χ^2 /NDF: 223310.6/19

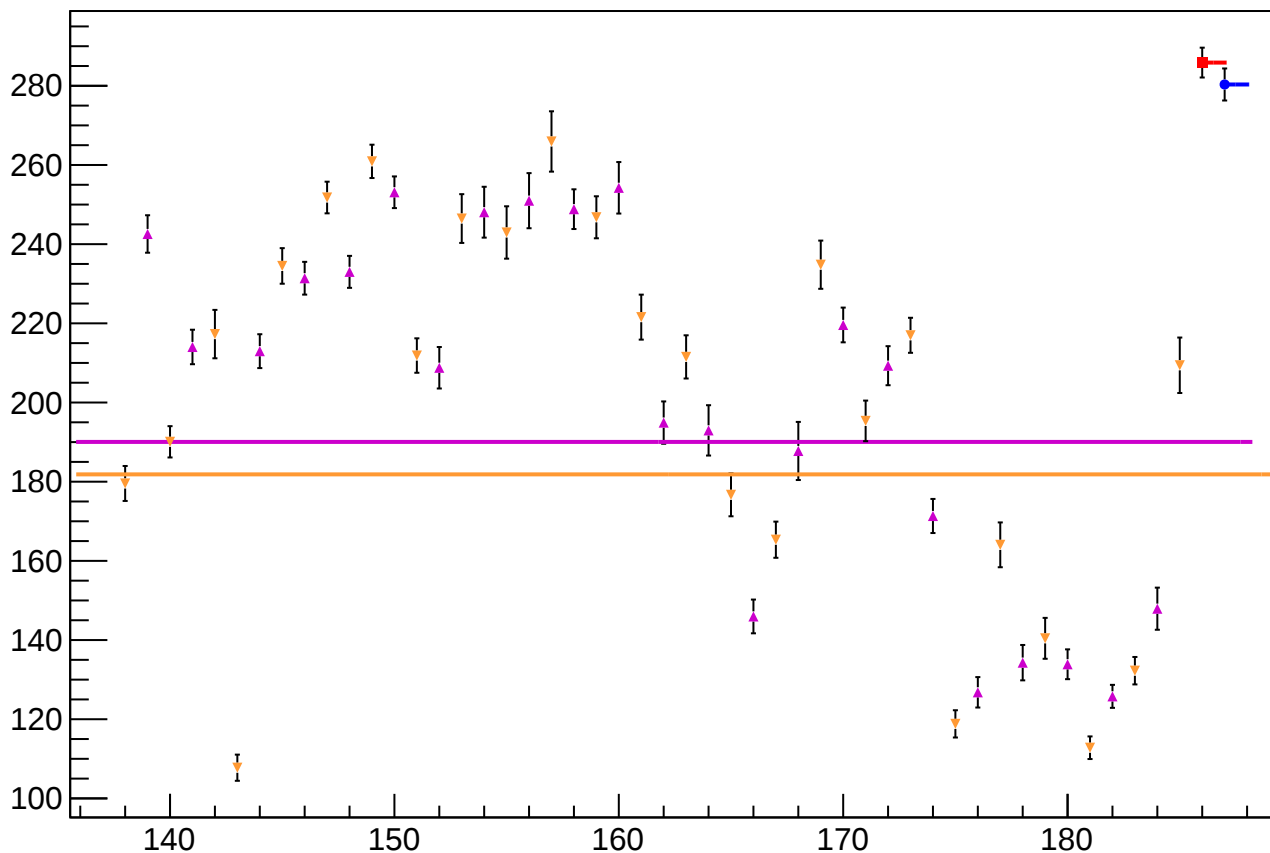
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 113.679 $\pm$ 0.035 χ^2 /NDF: 884692.5/42

All: 114.333 $\pm$ 0.025 χ^2 /NDF: 1552521.4/85

- sign 114.981 $\pm$ 0.035 χ^2 /NDF: 667149.3/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 280.334 $\pm$ 4.047 χ^2 /NDF: 0.0/0

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24

Right Out: 285.865 $\pm$ 3.768 χ^2 /NDF: 0.0/0

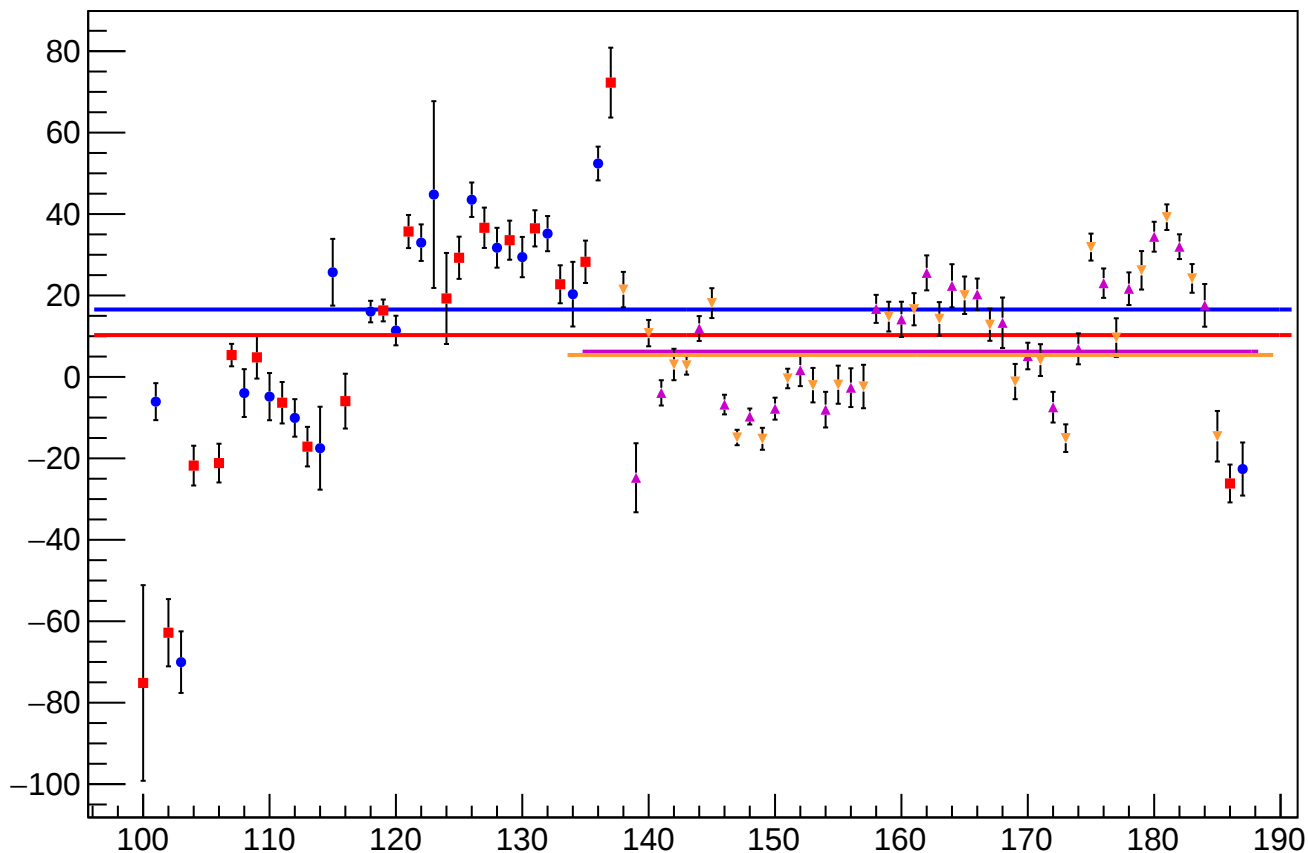
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 186.624 $\pm$ 0.891 χ^2 /NDF: 3866.9/25

All: 191.049 $\pm$ 0.641 χ^2 /NDF: 6964.3/49

- sign 195.807 $\pm$ 0.924 χ^2 /NDF: 3046.2/23

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 16.559+/-1.150 χ^2/NDF : 431.3/17

Left Out: 5.394+/-0.688 χ^2/NDF : 526.5/24

Right Out: 10.277+/-1.056 χ^2/NDF : 508.0/19

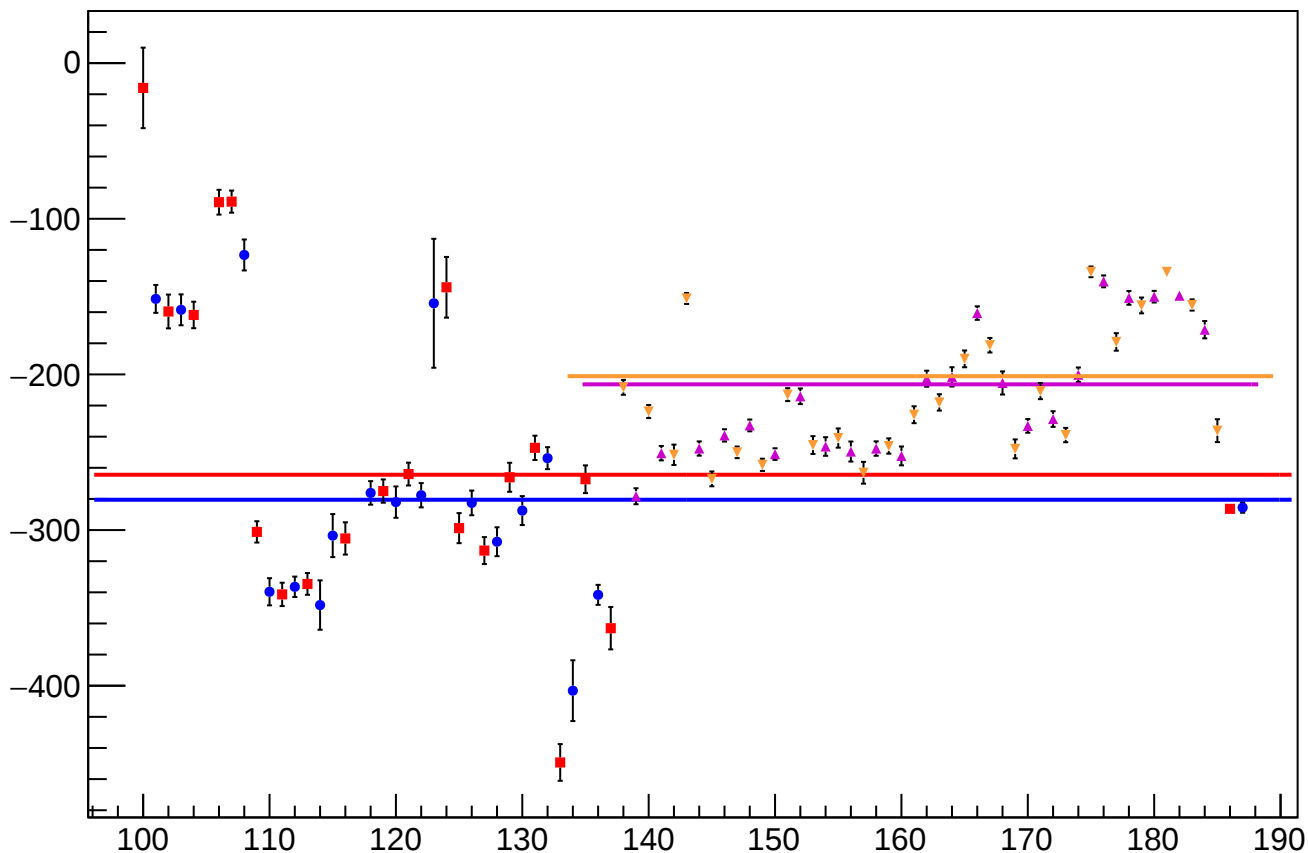
Left In: 6.206+/-0.732 χ^2/NDF : 407.5/22

+ sign 8.337+/-0.590 χ^2/NDF : 1027.3/42

All: 7.939+/-0.421 χ^2/NDF : 1953.8/85

- sign 7.526+/-0.601 χ^2/NDF : 925.6/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -280.517 ± 1.829 χ^2/NDF : 913.4/17

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -264.458 ± 1.678 χ^2/NDF : 2113.9/19

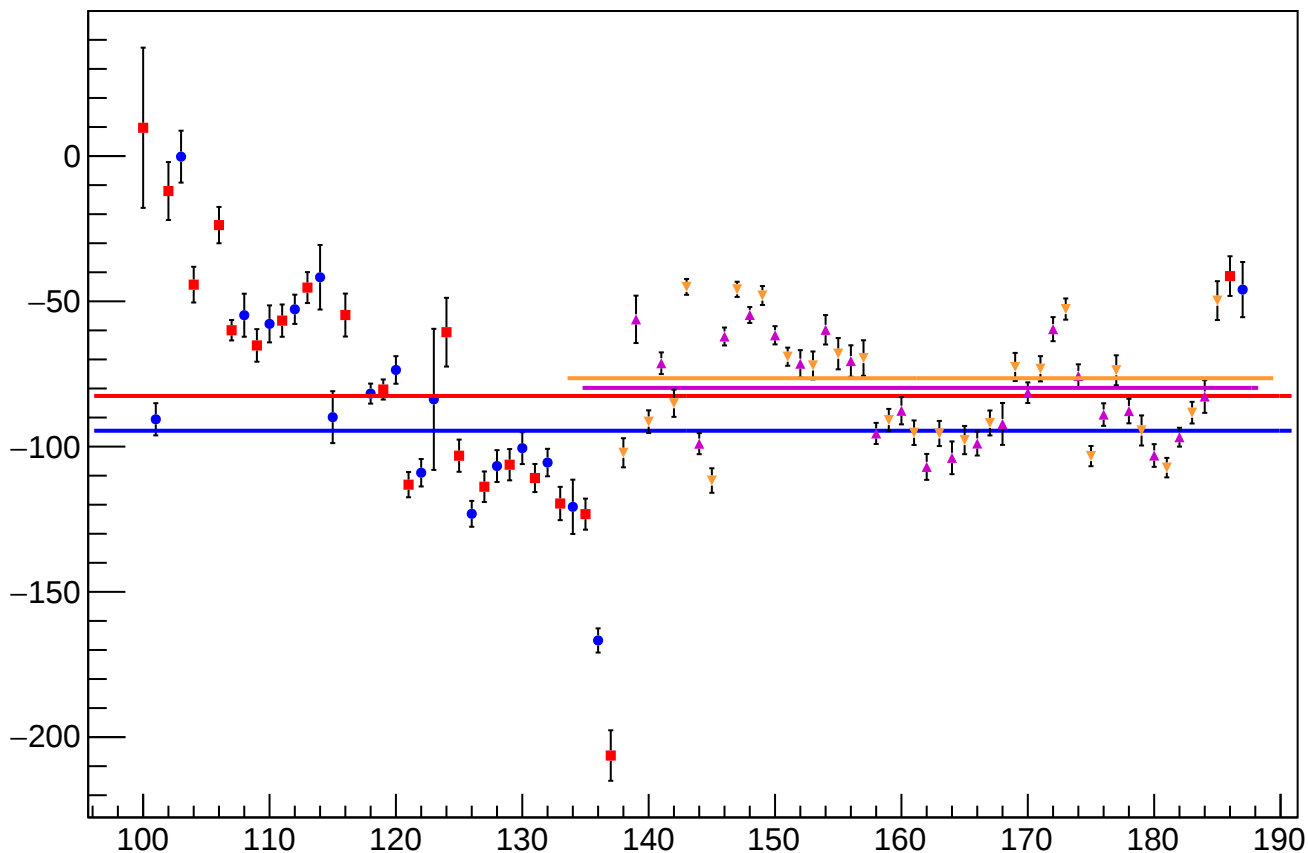
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -217.117 ± 0.820 χ^2/NDF : 4907.2/42

All: -218.779 ± 0.582 χ^2/NDF : 10048.3/85

- sign -220.465 ± 0.826 χ^2/NDF : 5132.8/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -94.543 $\pm$ 1.330 χ^2/NDF : 695.9/17

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -82.567 $\pm$ 1.238 χ^2/NDF : 819.3/19

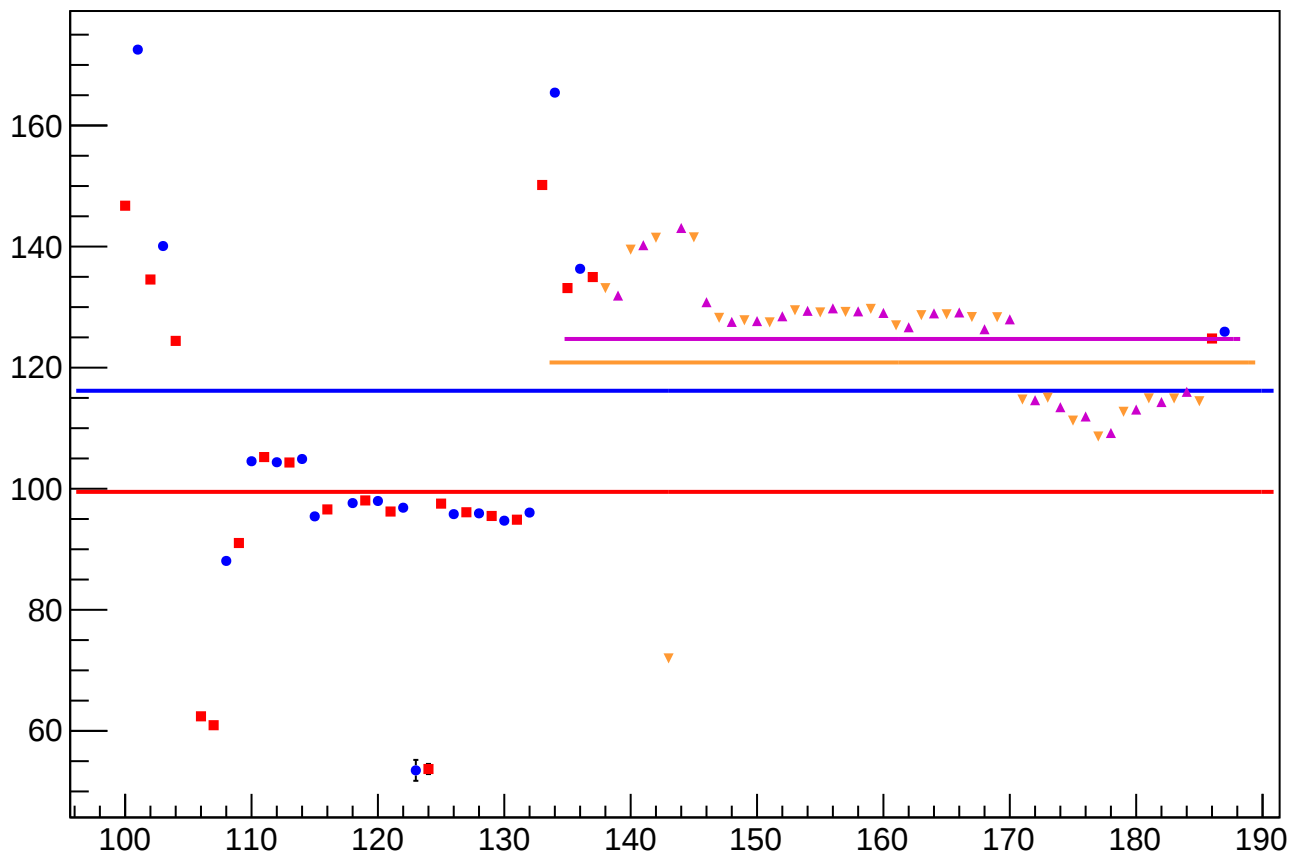
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -81.233 $\pm$ 0.683 χ^2/NDF : 1613.2/42

All: -80.954 $\pm$ 0.487 χ^2/NDF : 2848.6/85

- sign -80.667 $\pm$ 0.695 χ^2/NDF : 1235.0/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 116.182 $\pm$ 0.078 χ^2 /NDF: 105993.2/17

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 99.482 $\pm$ 0.068 χ^2 /NDF: 175727.6/19

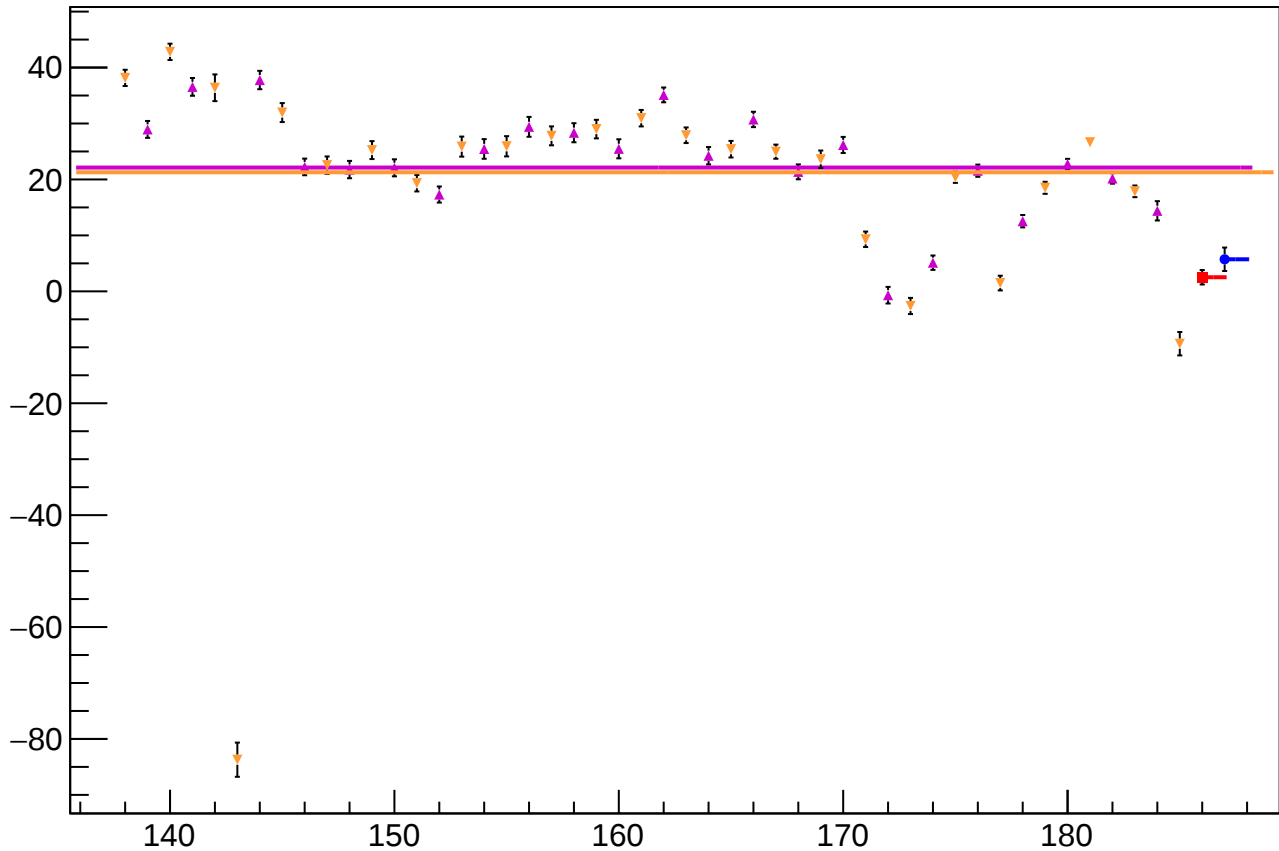
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 119.951 $\pm$ 0.034 χ^2 /NDF: 291669.3/42

All: 119.181 $\pm$ 0.024 χ^2 /NDF: 623299.5/85

- sign 118.419 $\pm$ 0.034 χ^2 /NDF: 330619.7/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 5.730 $\pm$ 2.097 χ^2 /NDF: 0.0/0

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF:2600.5/24

Right Out: 2.522 $\pm$ 1.295 χ^2 /NDF: 0.0/0

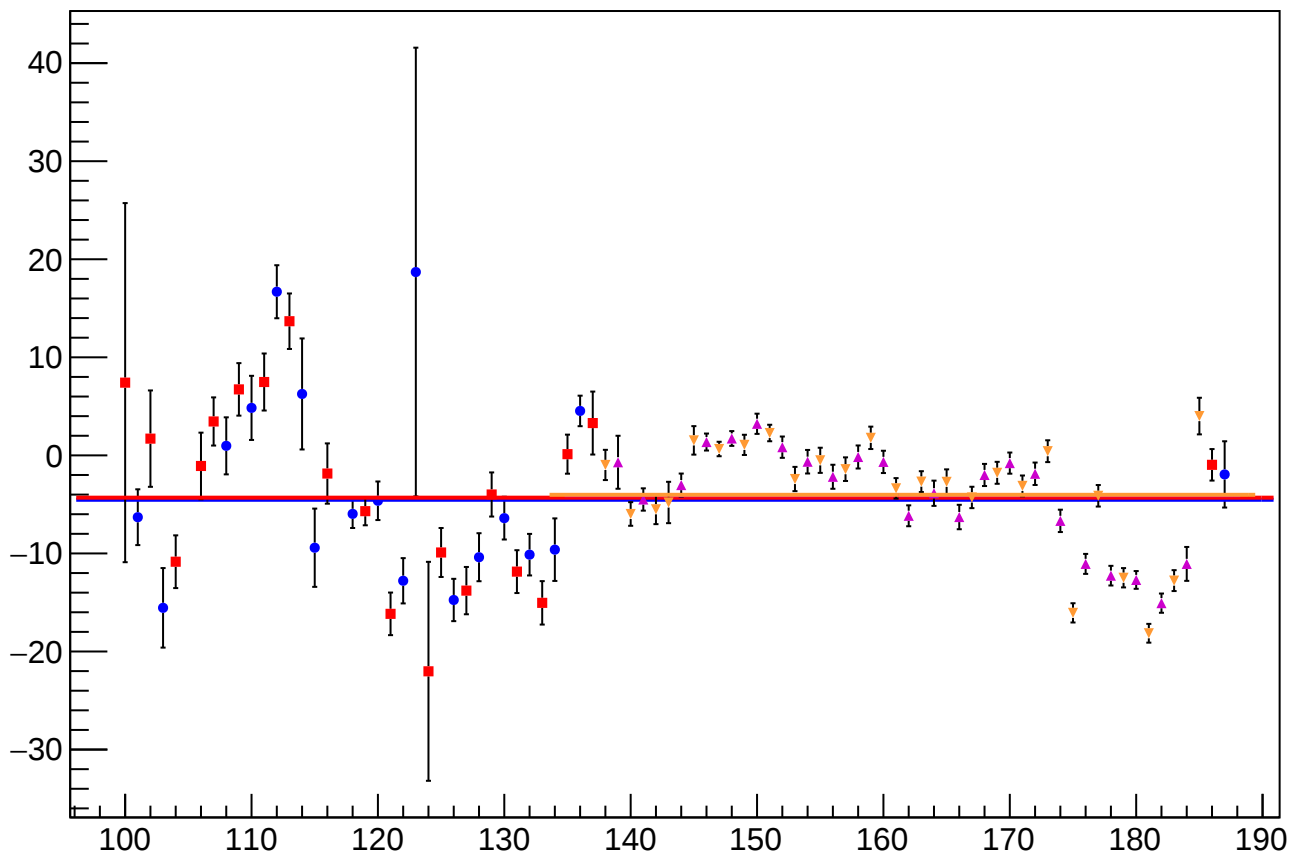
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF:900.2/22

+ sign 21.005 $\pm$ 0.280 χ^2 /NDF: 2654.5/25

All: 21.112 $\pm$ 0.198 χ^2 /NDF: 3773.6/49

- sign 21.218 $\pm$ 0.279 χ^2 /NDF: 1118.8/23

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.528 ± 0.580 χ^2/NDF : 174.0/17

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -4.313 ± 0.550 χ^2/NDF : 197.2/19

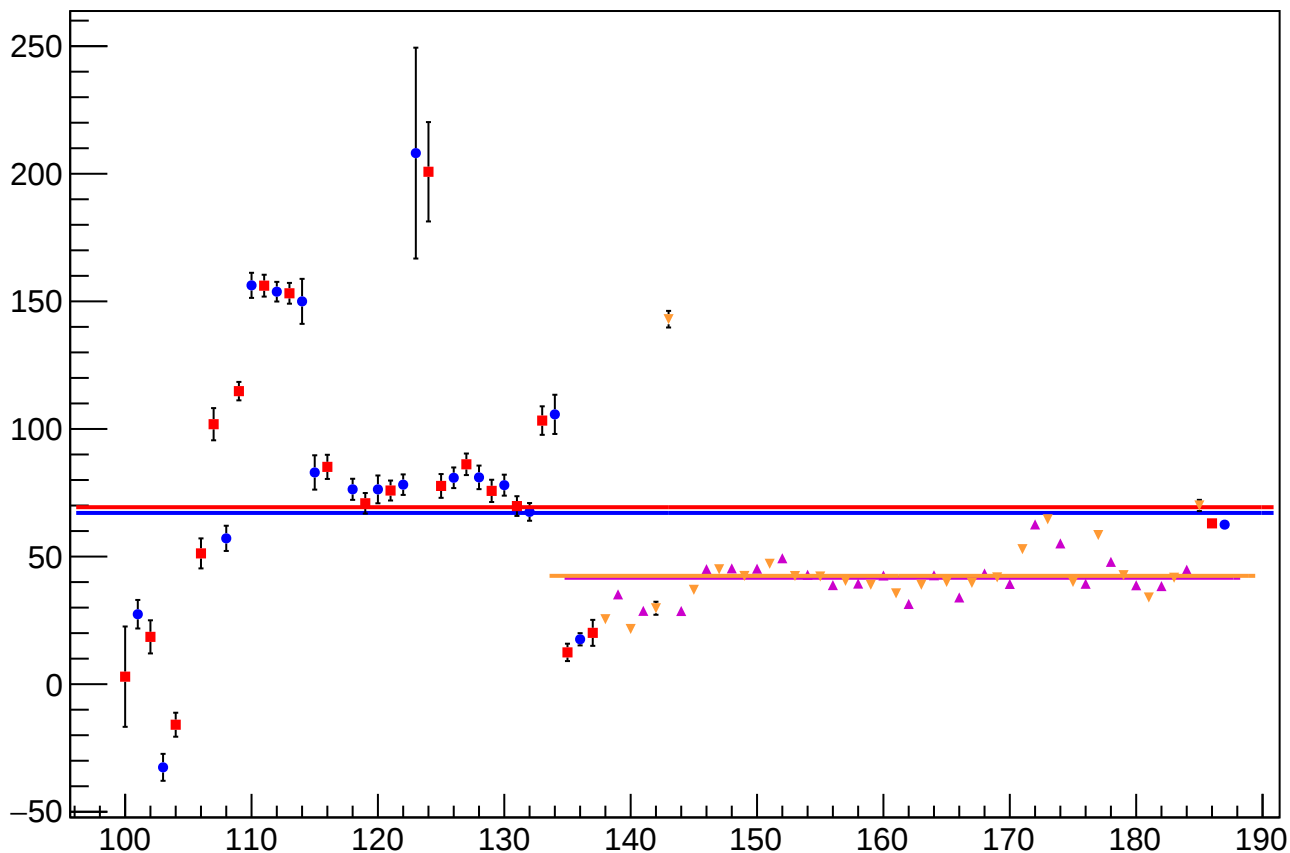
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -4.087 ± 0.208 χ^2/NDF : 908.8/42

All: -4.091 ± 0.148 χ^2/NDF : 1683.4/85

- sign -4.096 ± 0.211 χ^2/NDF : 774.6/42

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 67.101 $\pm$ 0.919 χ^2 /NDF: 1853.9/17

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 69.346 $\pm$ 0.746 χ^2 /NDF: 1958.4/19

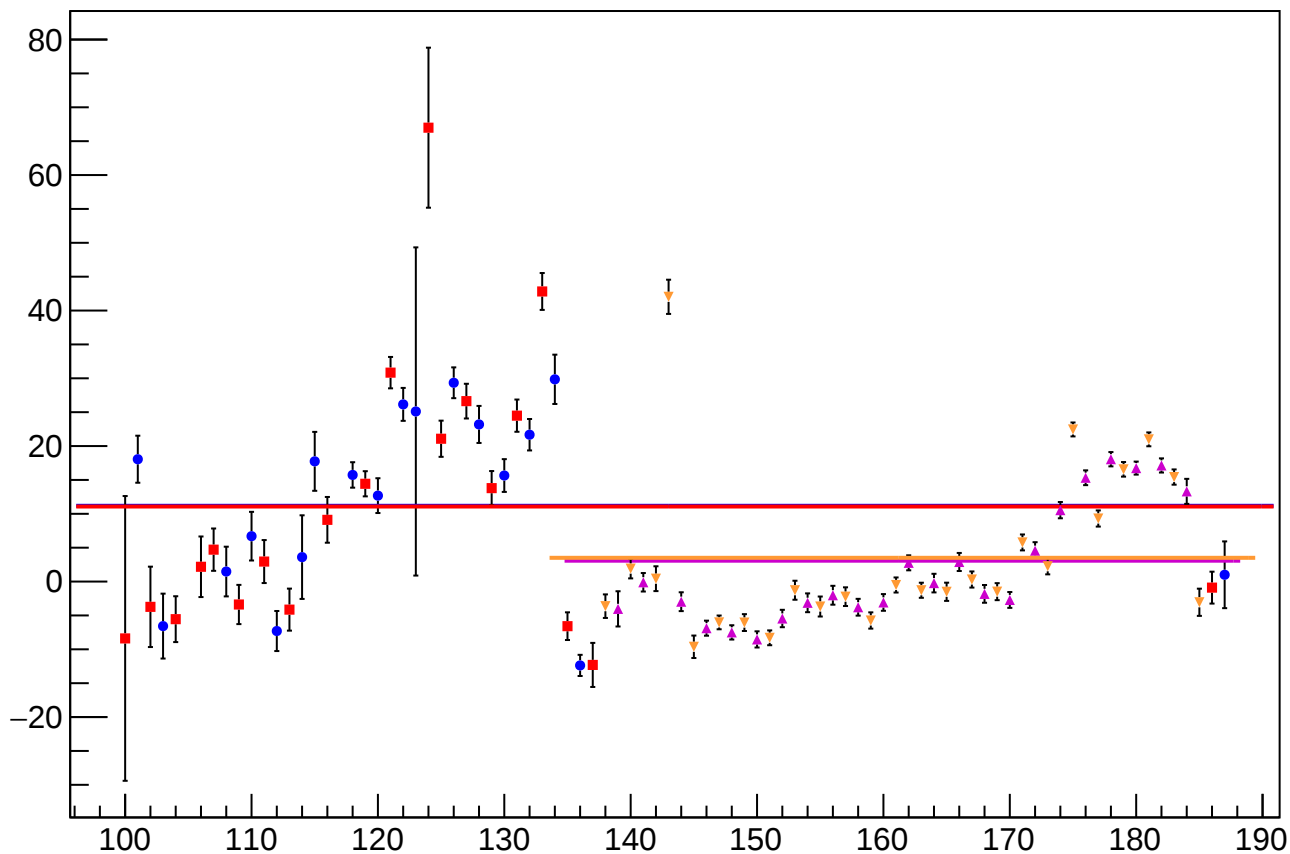
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 44.574 $\pm$ 0.270 χ^2 /NDF: 4527.9/42

All: 44.890 $\pm$ 0.189 χ^2 /NDF: 8318.7/85

- sign 45.197 $\pm$ 0.266 χ^2 /NDF: 3788.1/42

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.183 ± 0.661 $\chi^2/\text{NDF}: 478.7/17$

Left Out: 3.505 ± 0.252 $\chi^2/\text{NDF}: 1691.3/24$

Right Out: 11.077 ± 0.640 $\chi^2/\text{NDF}: 565.7/19$

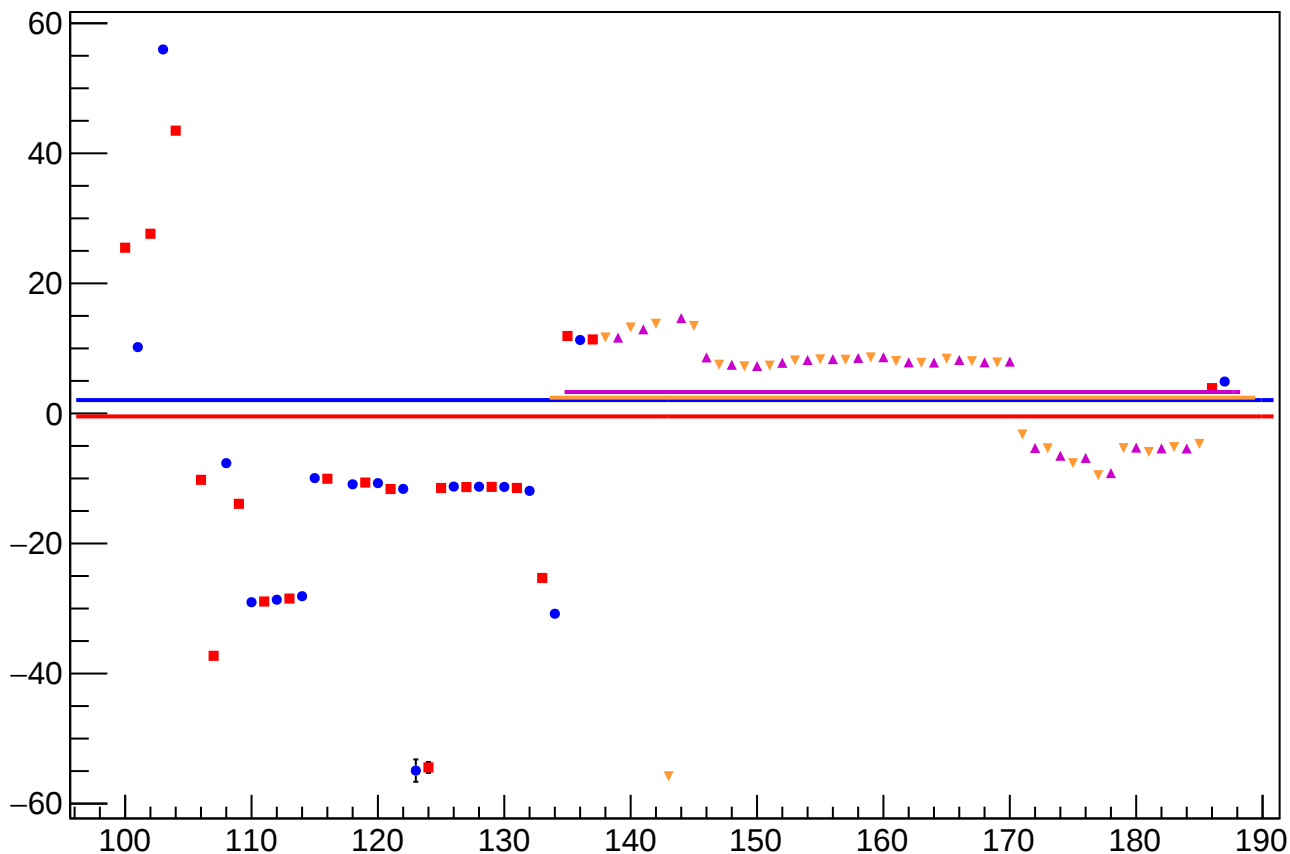
Left In: 3.081 ± 0.257 $\chi^2/\text{NDF}: 1265.7/22$

+ sign 4.482 ± 0.236 $\chi^2/\text{NDF}: 2287.8/42$

All: 4.338 ± 0.168 $\chi^2/\text{NDF}: 4254.3/85$

- sign 4.191 ± 0.238 $\chi^2/\text{NDF}: 1965.8/42$

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.053 $\pm$ 0.037 χ^2 /NDF: 357979.8/17

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: -0.459 $\pm$ 0.036 χ^2 /NDF: 361683.1/19

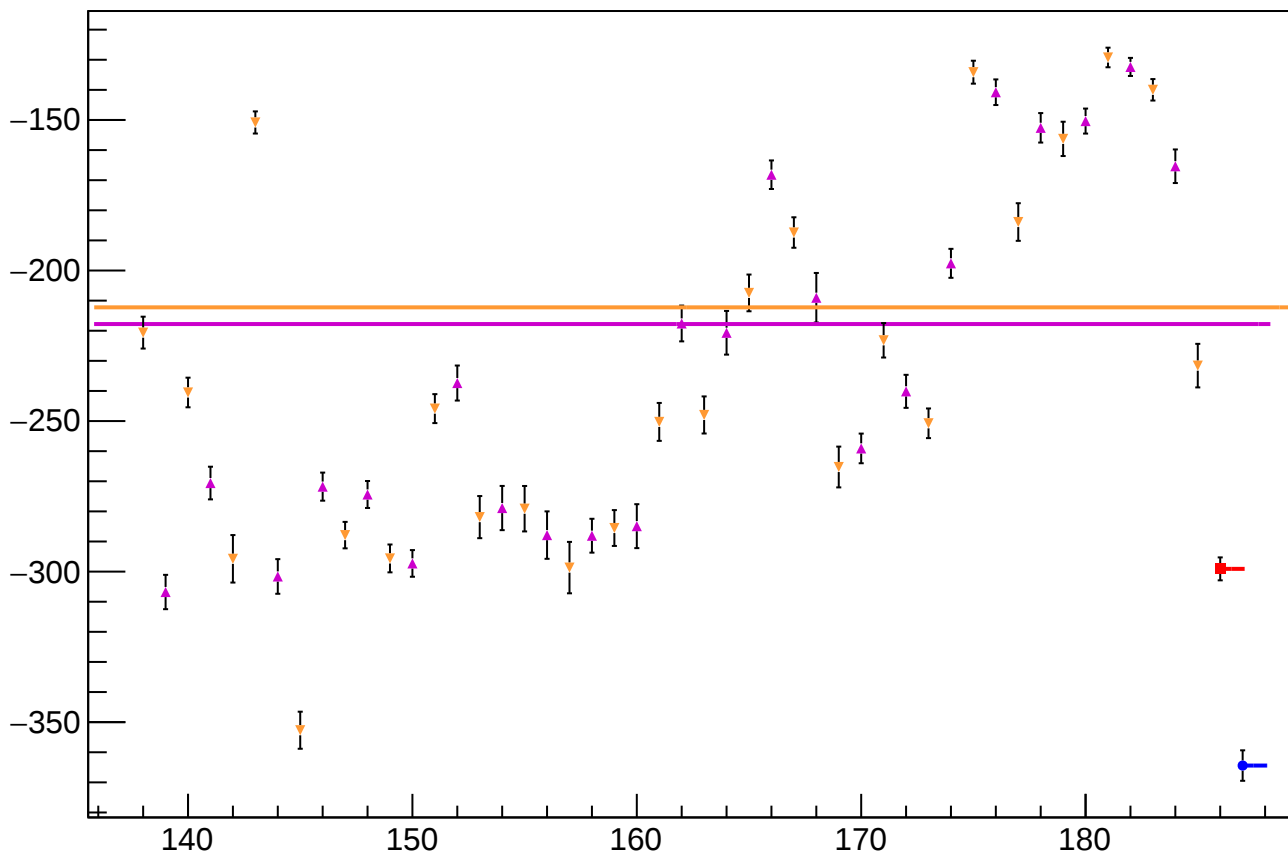
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.392 $\pm$ 0.011 χ^2 /NDF: 974454.8/42

All: 2.665 $\pm$ 0.008 χ^2 /NDF: 1751392.6/85

- sign 2.941 $\pm$ 0.011 χ^2 /NDF: 775705.5/42

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -364.416+/-5.062 χ^2 /NDF: 0.0/0

Left Out: -212.231+/-1.029 χ^2 /NDF:3875.4/24

Right Out: -299.089+/-3.810 χ^2 /NDF: 0.0/0

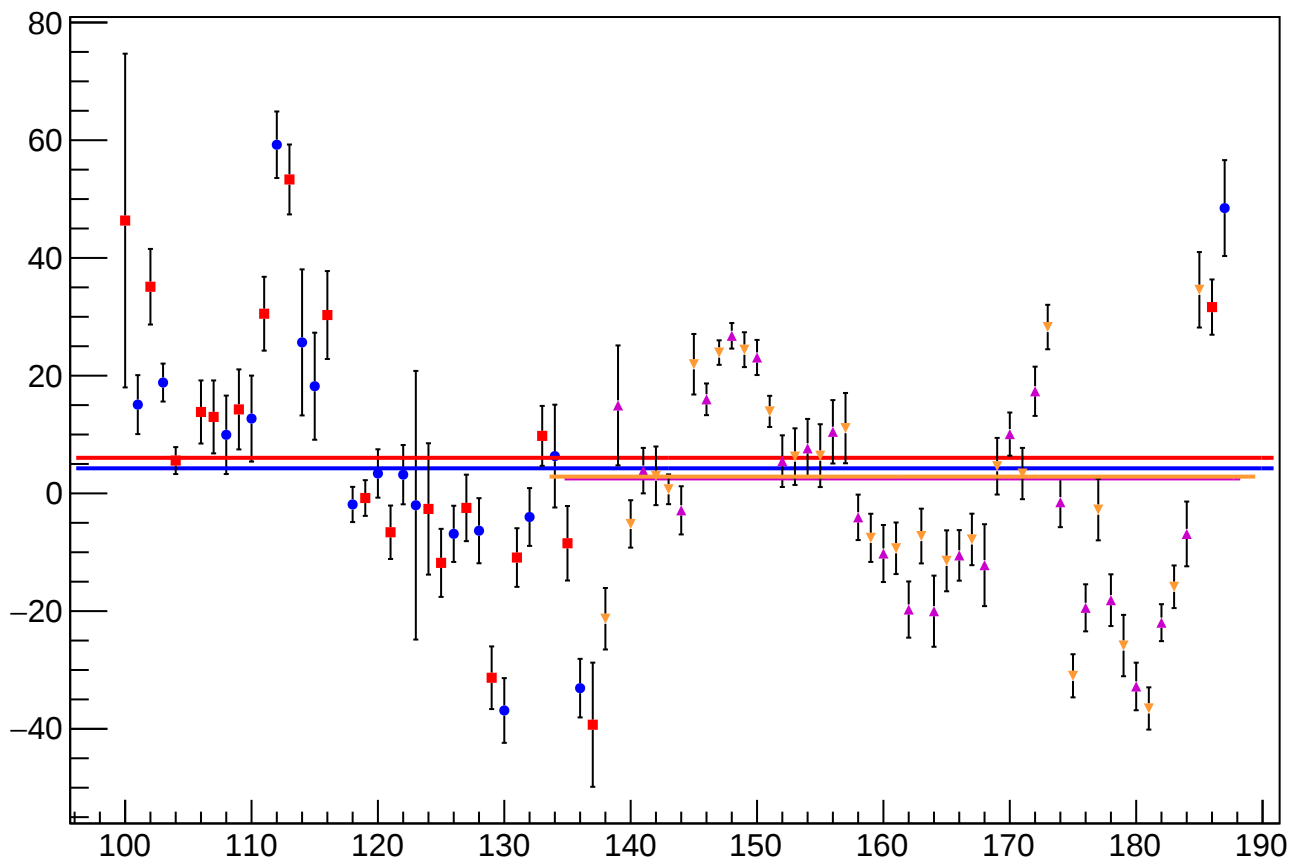
Left In: -217.779+/-1.067 χ^2 /NDF:3448.9/22

+ sign -218.276+/-1.009 χ^2 /NDF: 4743.4/25

All: -220.934+/-0.720 χ^2 /NDF: 8628.8/49

- sign -223.690+/-1.027 χ^2 /NDF: 3871.3/23

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 4.260 ± 1.232 χ^2/NDF : 285.2/17

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 6.044 ± 1.125 χ^2/NDF : 256.7/19

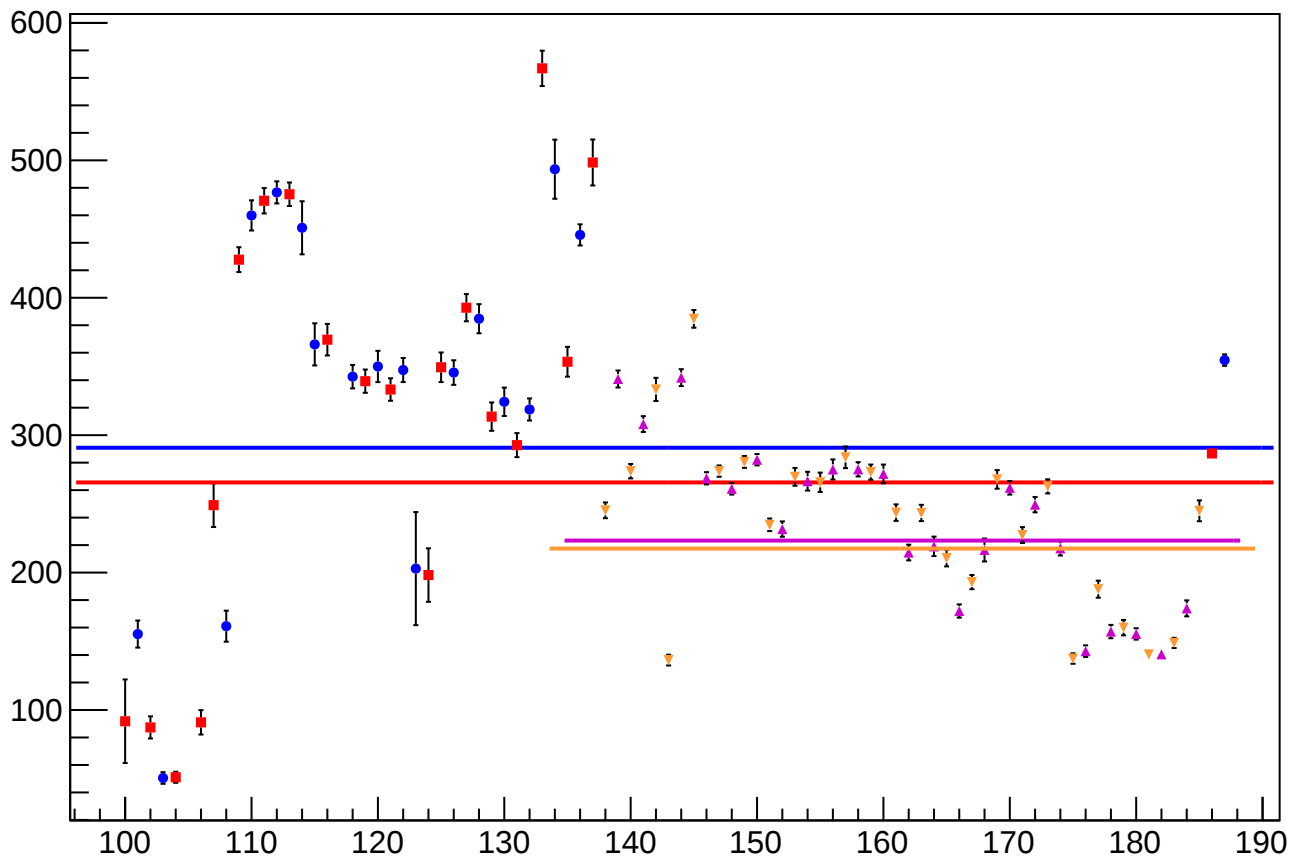
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 3.248 ± 0.656 χ^2/NDF : 868.3/42

All: 3.502 ± 0.467 χ^2/NDF : 1605.2/85

- sign 3.761 ± 0.664 χ^2/NDF : 736.6/42

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 290.863 $\pm$ 1.950 χ^2 /NDF: 5392.9/17

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 265.609 $\pm$ 1.718 χ^2 /NDF: 6503.9/19

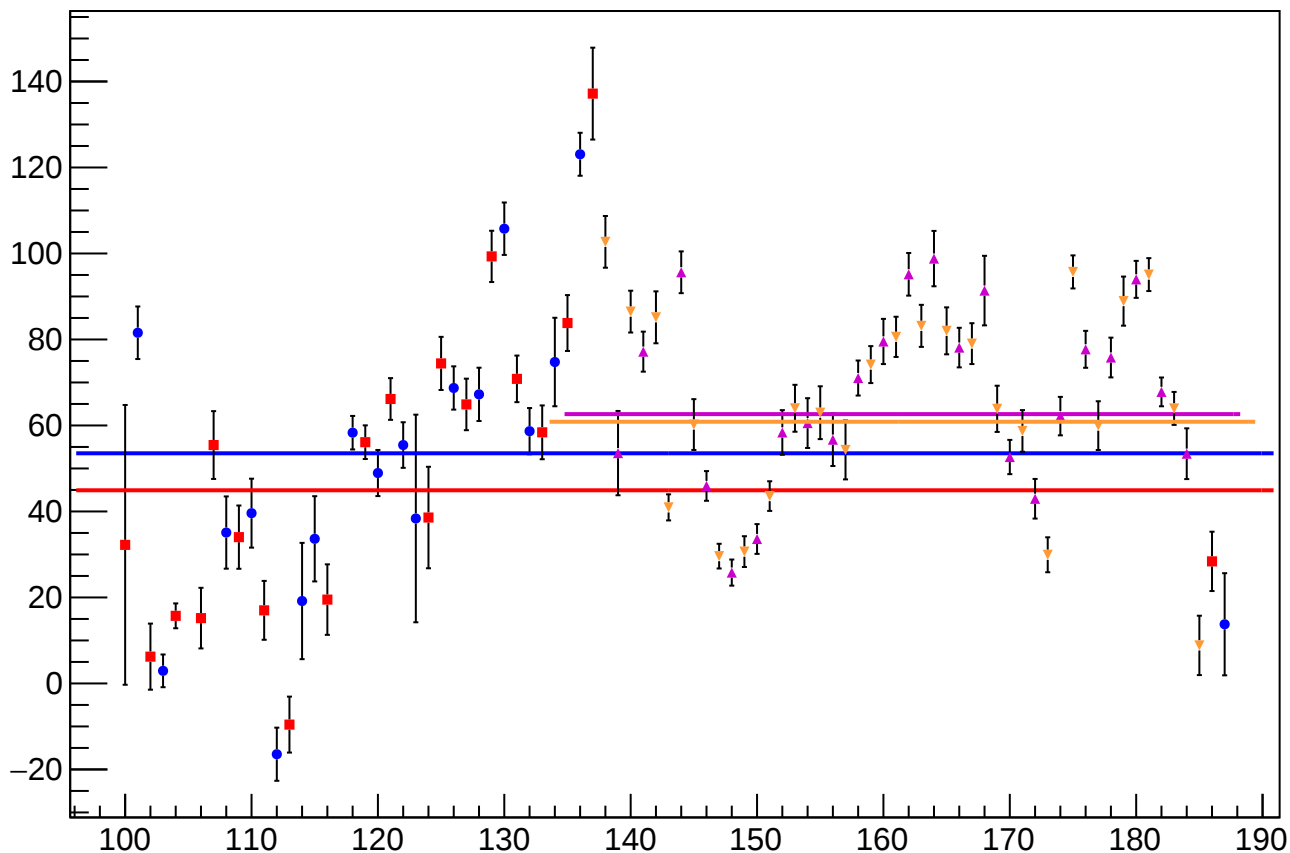
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 233.543 $\pm$ 0.912 χ^2 /NDF: 10268.1/42

All: 234.280 $\pm$ 0.642 χ^2 /NDF: 20589.8/85

- sign 235.001 $\pm$ 0.903 χ^2 /NDF: 10320.5/42

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 53.525 $\pm$ 1.430 χ^2 /NDF: 644.6/17

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 44.924 $\pm$ 1.333 χ^2 /NDF: 534.2/19

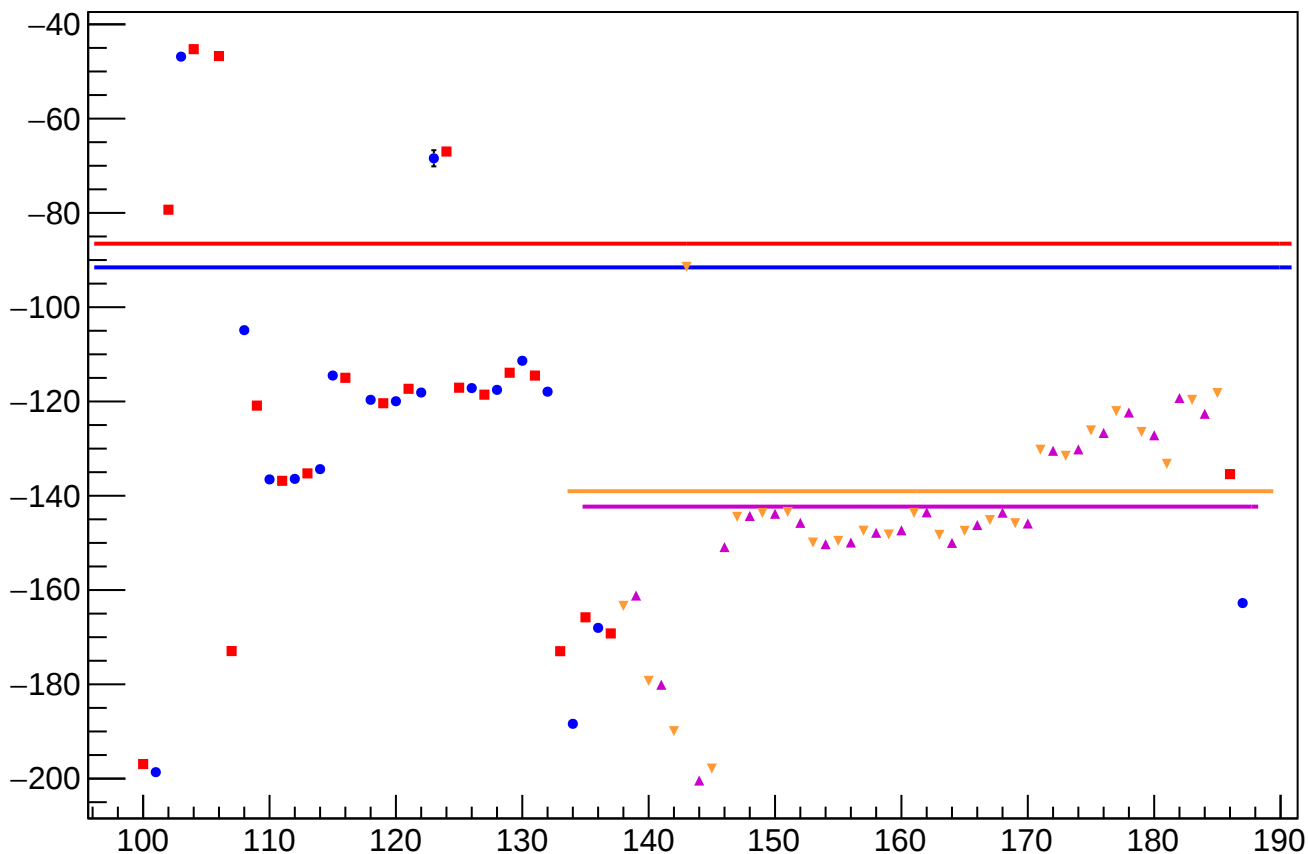
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 58.793 $\pm$ 0.760 χ^2 /NDF: 1395.2/42

All: 57.778 $\pm$ 0.541 χ^2 /NDF: 2566.1/85

- sign 56.736 $\pm$ 0.770 χ^2 /NDF: 1167.3/42

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -91.555 ± 0.067 χ^2/NDF : 544392.1/17

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -86.528 ± 0.065 χ^2/NDF : 503812.6/19

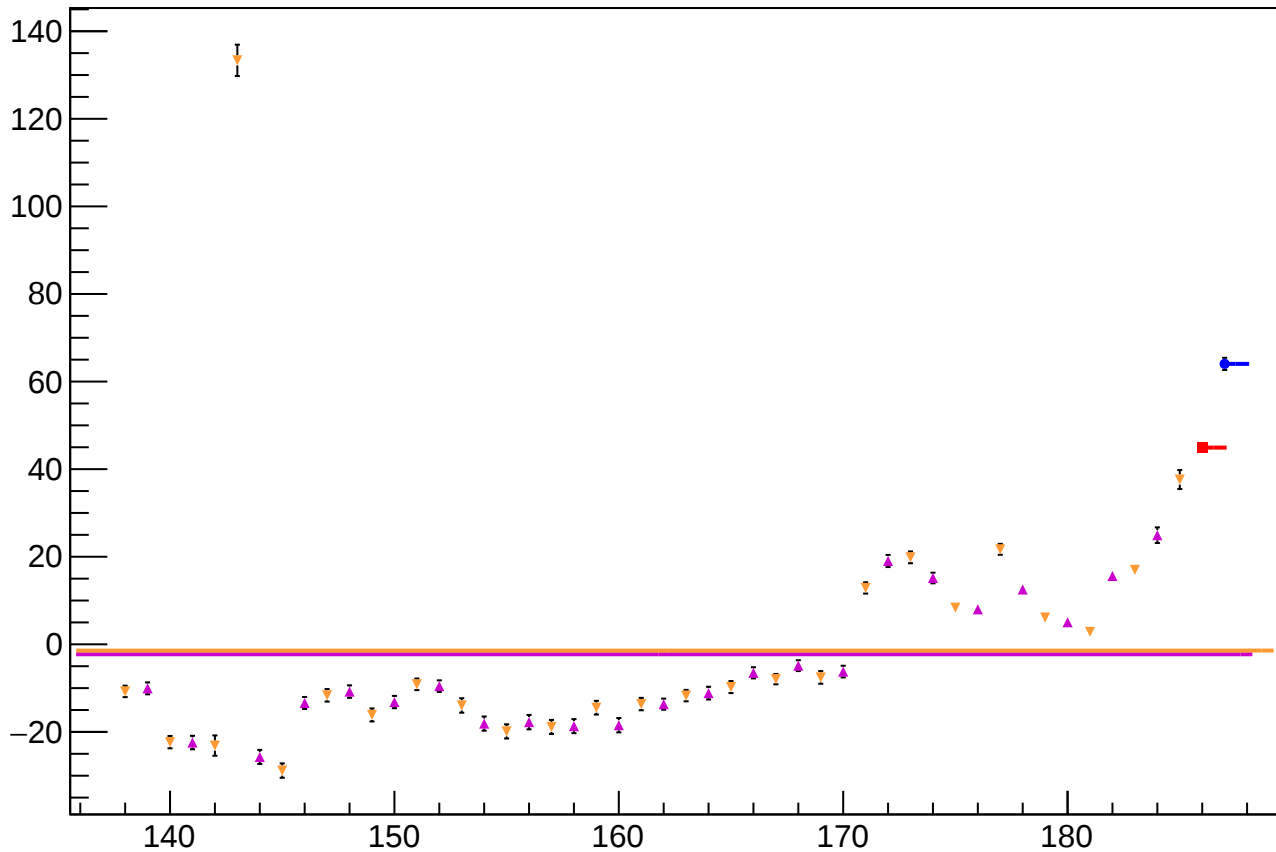
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -125.382 ± 0.036 χ^2/NDF : 1155409.1/42

All: -124.977 ± 0.026 χ^2/NDF : 2312064.9/85

- sign -124.567 ± 0.036 χ^2/NDF : 1156403.7/42

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 64.039+/-1.393 χ^2/NDF : 0.0/0

Left Out: -1.427+/-0.268 χ^2/NDF : 4339.0/24

Right Out: 44.920+/-0.865 χ^2/NDF : 0.0/0

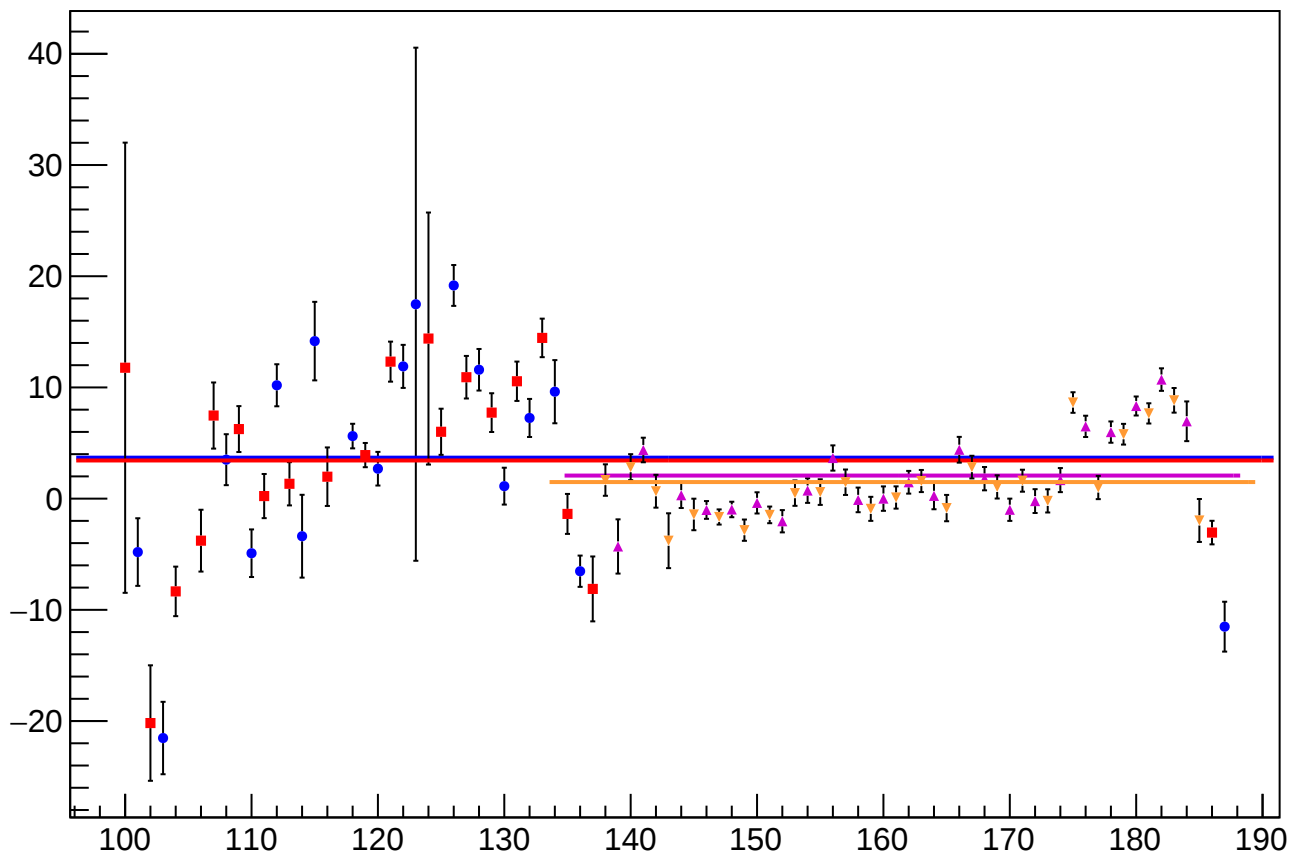
Left In: -2.270+/-0.271 χ^2/NDF : 2521.6/22

+ sign 0.904+/-0.263 χ^2/NDF : 6469.7/25

All: 1.432+/-0.184 χ^2/NDF : 11711.5/49

- sign 1.943+/-0.258 χ^2/NDF : 5233.9/23

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 3.684 ± 0.462 χ^2/NDF : 328.7/17

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: 3.432 ± 0.433 χ^2/NDF : 228.7/19

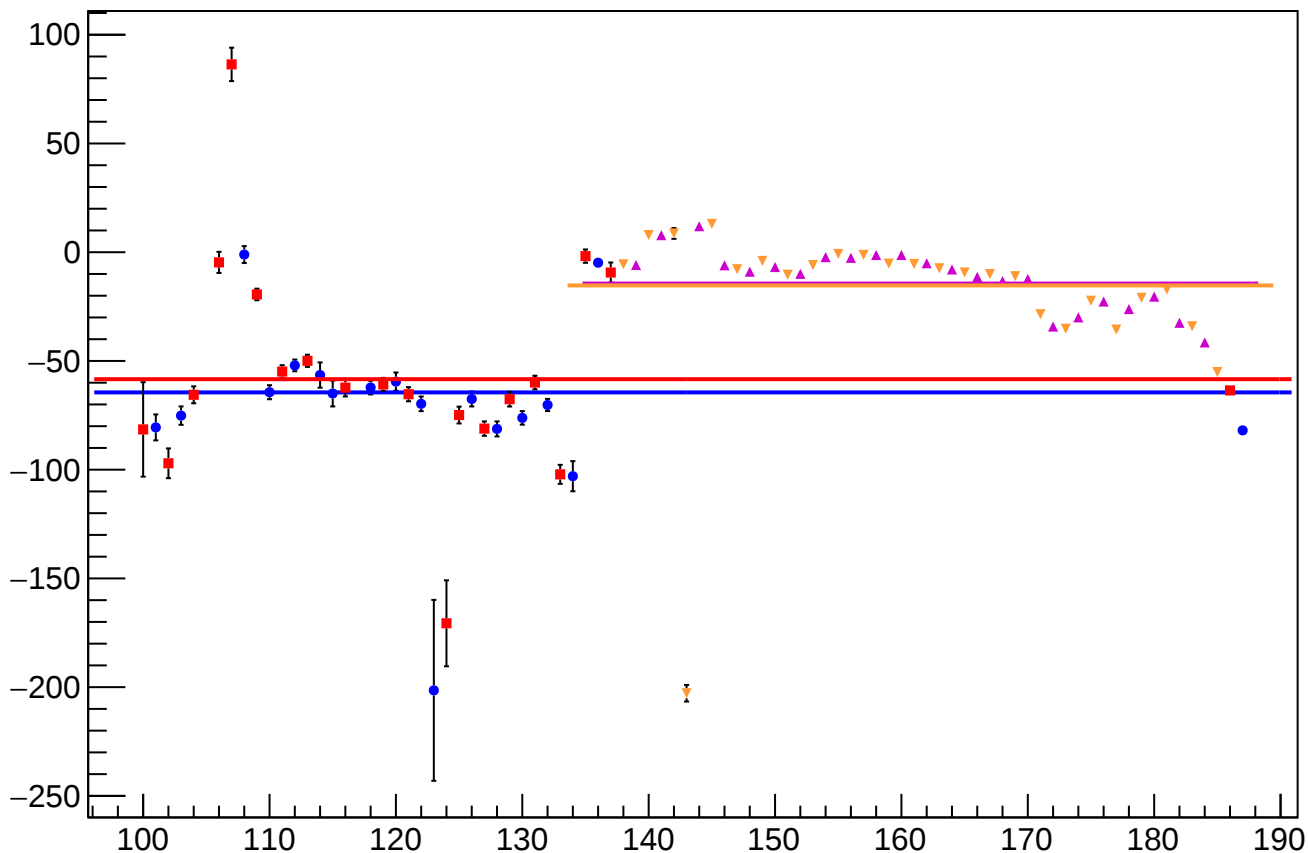
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.868 ± 0.191 χ^2/NDF : 606.5/42

All: 2.104 ± 0.136 χ^2/NDF : 1120.7/85

- sign 2.344 ± 0.193 χ^2/NDF : 511.2/42

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -64.462 ± 0.693 χ^2/NDF : 1382.0/17

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -58.390 ± 0.539 χ^2/NDF : 1458.4/19

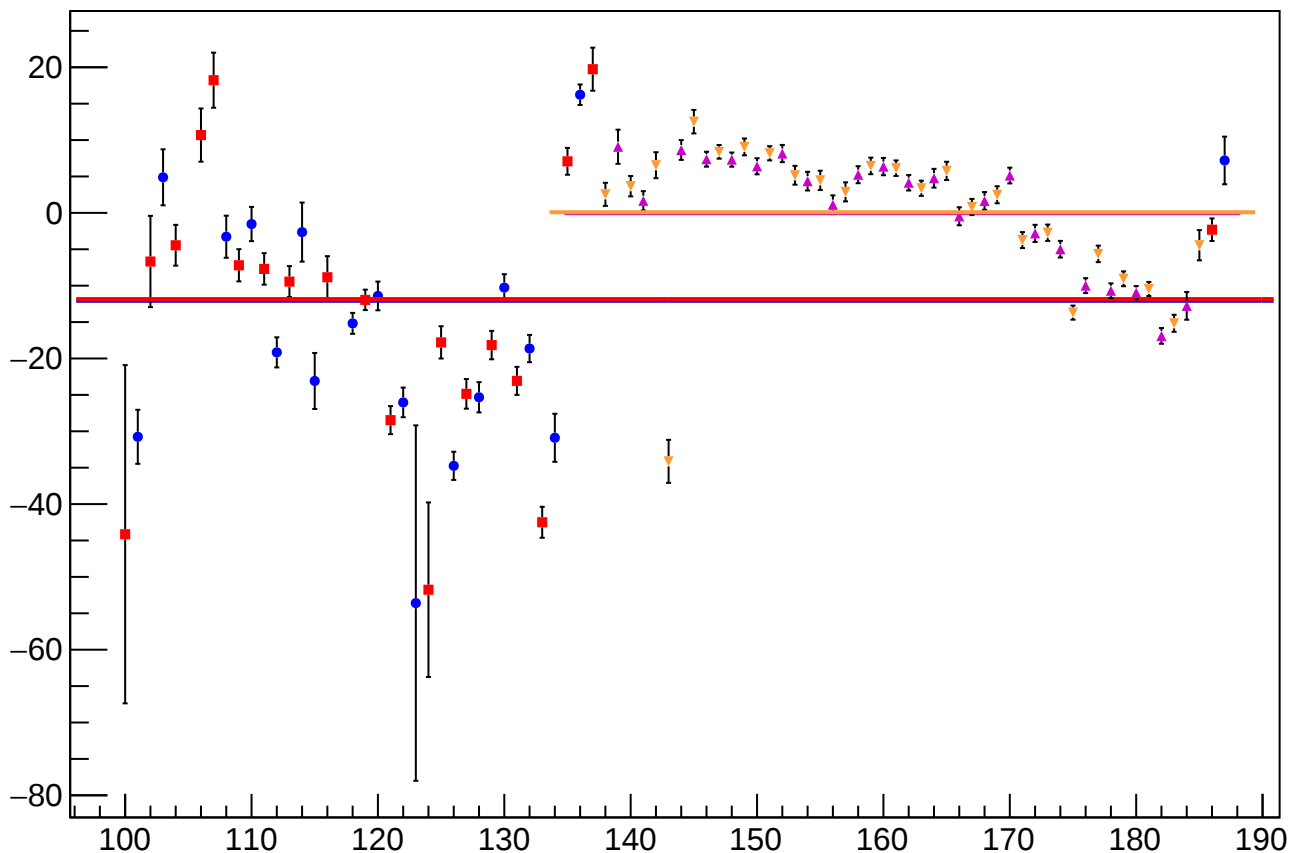
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -21.634 ± 0.249 χ^2/NDF : 10592.8/42

All: -22.438 ± 0.173 χ^2/NDF : 19438.6/85

- sign -23.189 ± 0.241 χ^2/NDF : 8825.6/42

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.071 ± 0.530 χ^2/NDF : 815.4/17

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -11.837 ± 0.509 χ^2/NDF : 763.9/19

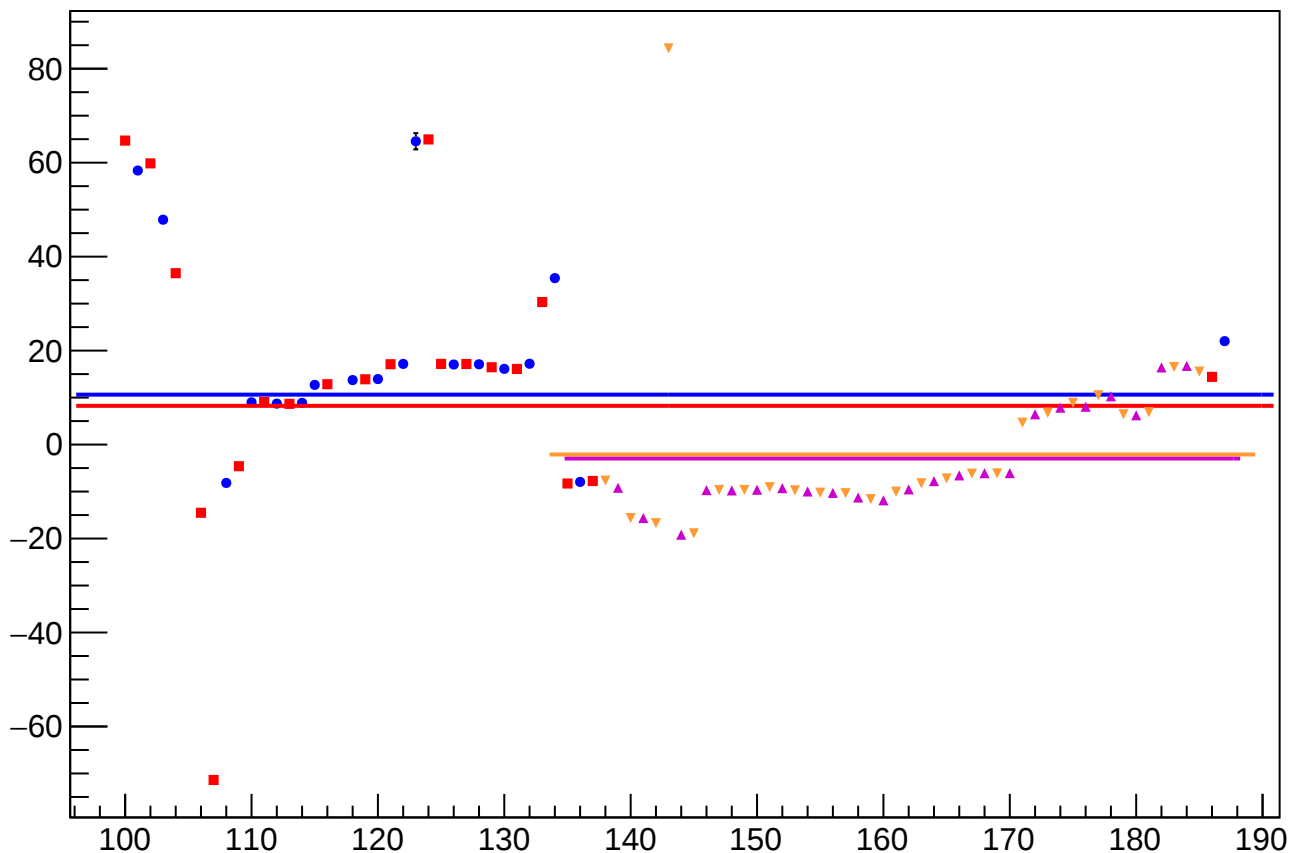
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.954 ± 0.217 χ^2/NDF : 2424.8/42

All: -2.093 ± 0.154 χ^2/NDF : 4655.1/85

- sign -2.235 ± 0.219 χ^2/NDF : 2229.4/42

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.629+/-0.030 χ^2/NDF : 384631.2/17

Left Out: -2.105+/-0.011 χ^2/NDF : 1093120.2/24

Right Out: 8.248+/-0.030 χ^2/NDF : 547179.2/19

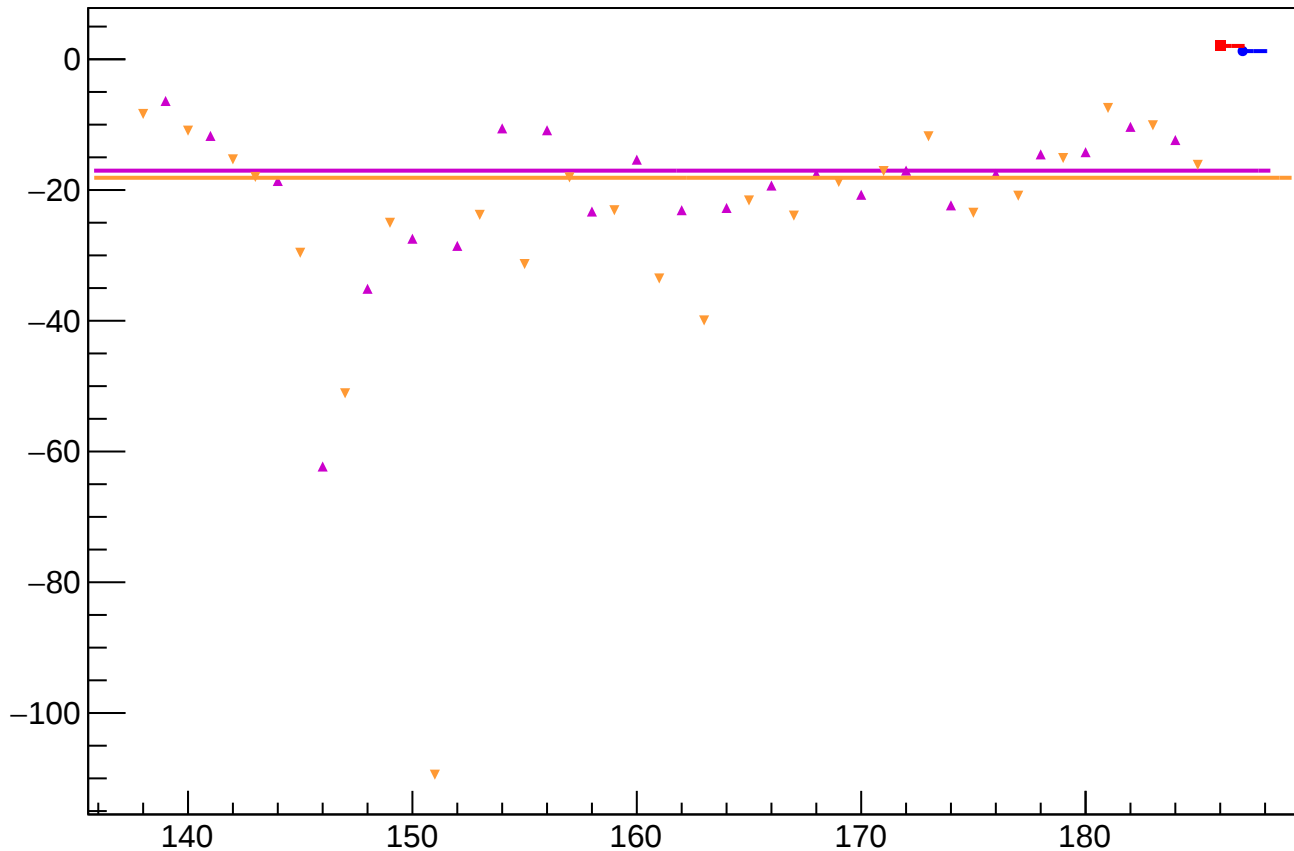
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign -0.641+/-0.010 χ^2/NDF : 1633990.1/42

All: -1.140+/-0.007 χ^2/NDF : 3070622.3/85

- sign -1.644+/-0.010 χ^2/NDF : 1431894.9/42

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 1.248 $\pm$ 0.282 χ^2 /NDF: 0.0/0

Left Out: -18.128 $\pm$ 0.039 χ^2 /NDF: 88551.6/24

Right Out: 2.038 $\pm$ 0.194 χ^2 /NDF: 0.0/0

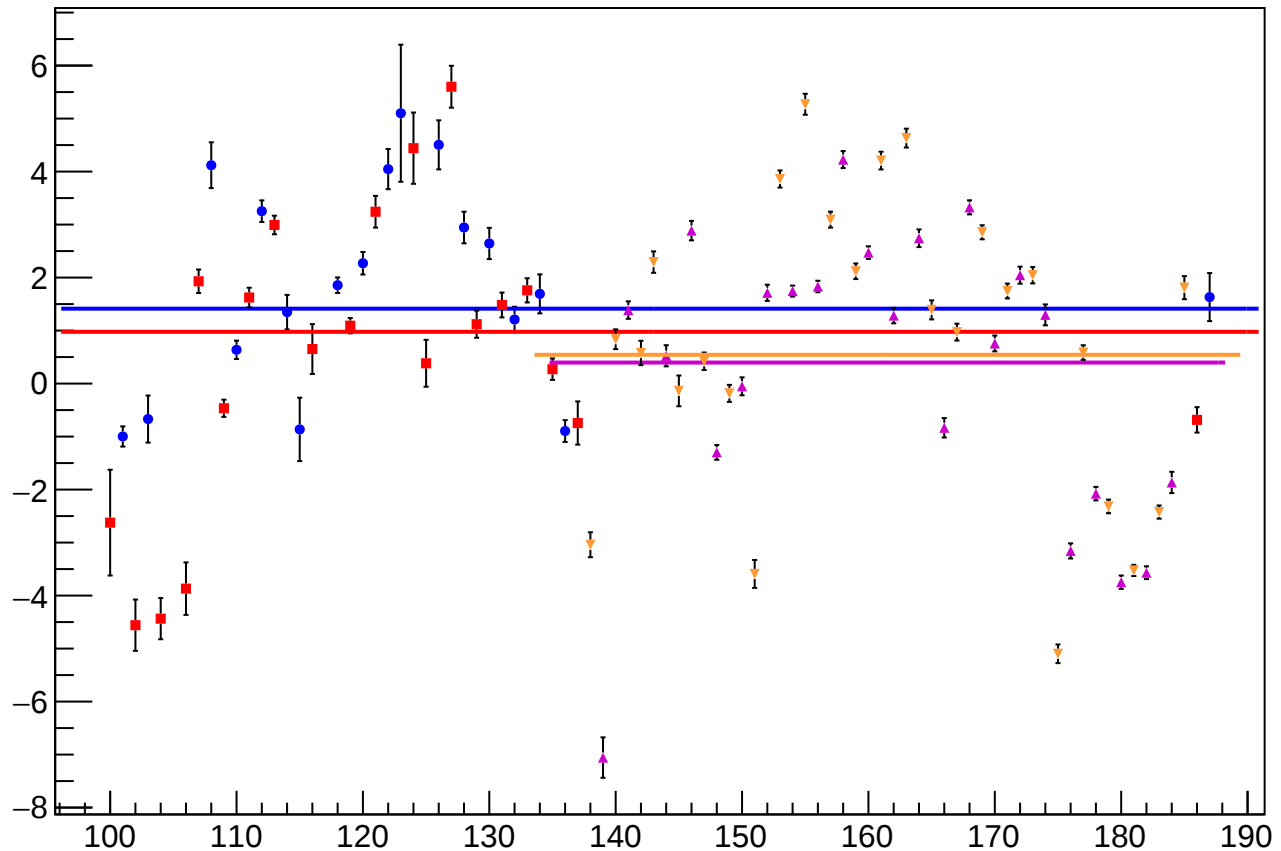
Left In: -17.038 $\pm$ 0.038 χ^2 /NDF: 44141.1/22

+ sign -17.765 $\pm$ 0.039 χ^2 /NDF: 93195.8/25

All: -17.027 $\pm$ 0.027 χ^2 /NDF: 147320.2/49

- sign -16.331 $\pm$ 0.037 χ^2 /NDF: 53412.4/23

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.413 ± 0.061 χ^2/NDF : 634.8/17

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.977 ± 0.056 χ^2/NDF : 993.4/19

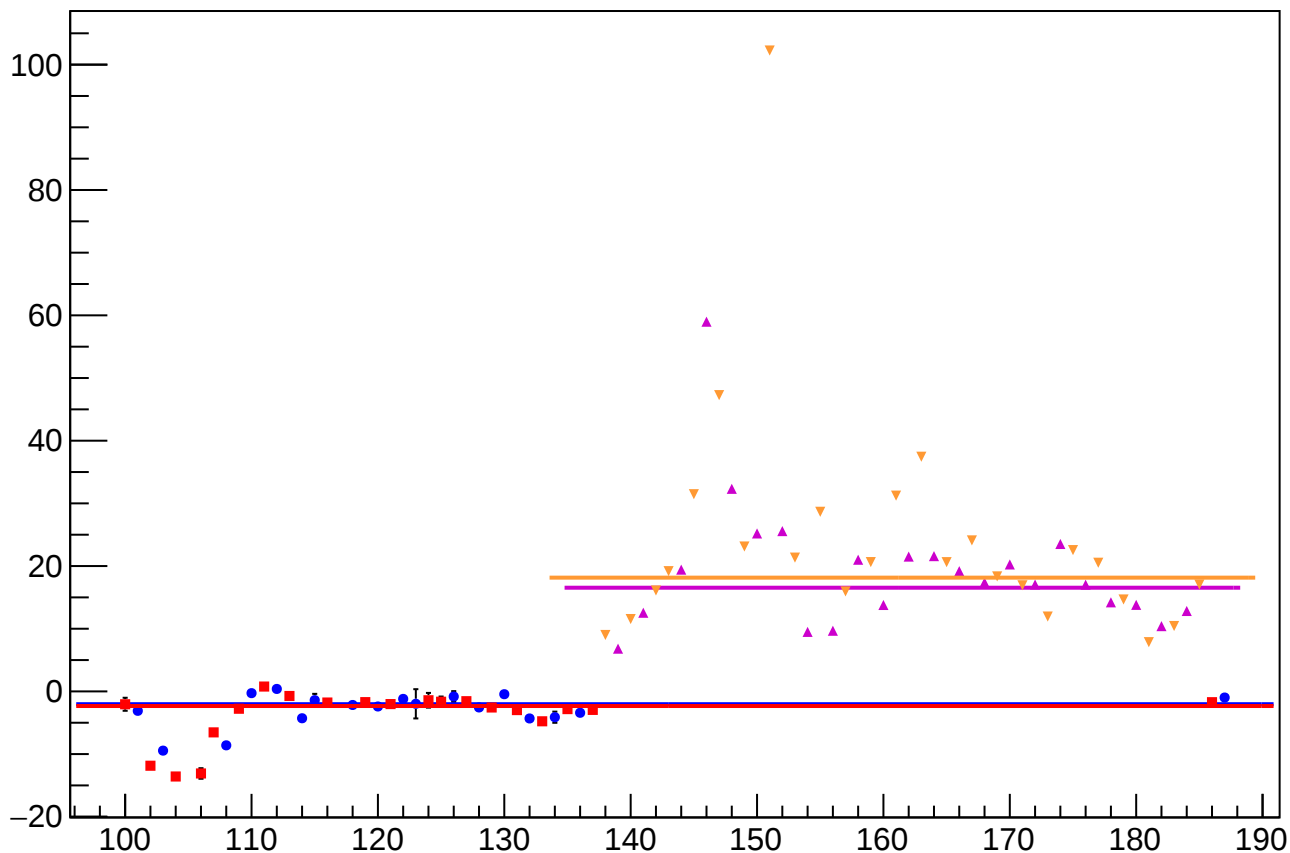
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.732 ± 0.029 χ^2/NDF : 7876.9/42

All: 0.625 ± 0.020 χ^2/NDF : 15213.8/85

- sign 0.529 ± 0.027 χ^2/NDF : 7310.4/42

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.042 ± 0.100 χ^2/NDF : 473.6/17

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -2.332 ± 0.083 χ^2/NDF : 913.1/19

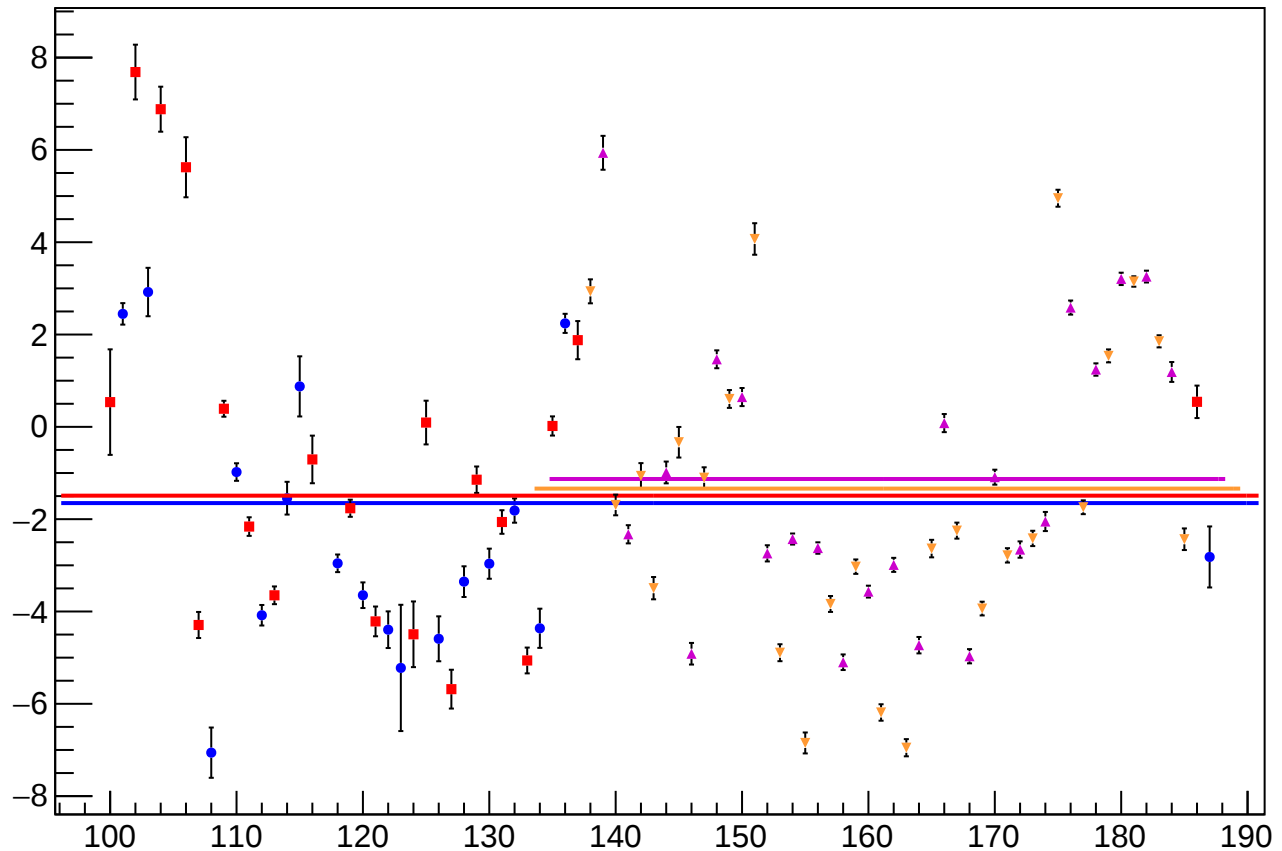
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 15.495 ± 0.036 χ^2/NDF : 113403.2/42

All: 14.354 ± 0.025 χ^2/NDF : 199465.5/85

- sign 13.337 ± 0.034 χ^2/NDF : 84208.0/42

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.651 ± 0.071 χ^2/NDF : 1261.7/17

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -1.491 ± 0.065 χ^2/NDF : 1538.4/19

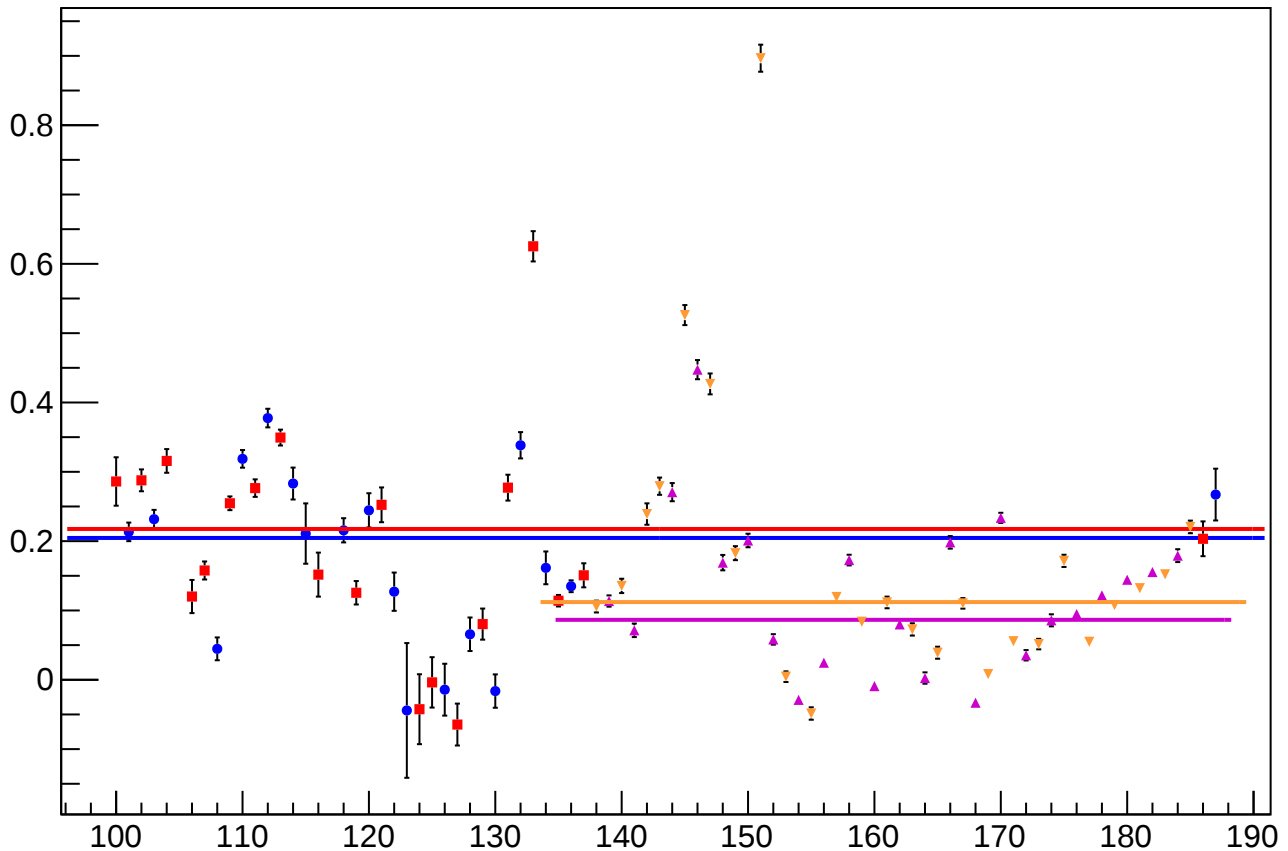
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.402 ± 0.032 χ^2/NDF : 9220.4/42

All: -1.299 ± 0.022 χ^2/NDF : 17542.7/85

- sign -1.208 ± 0.030 χ^2/NDF : 8303.1/42

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 648.4/17

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF: 4503.9/24

Right Out: 0.218 $\pm$ 0.004 χ^2 /NDF: 1016.4/19

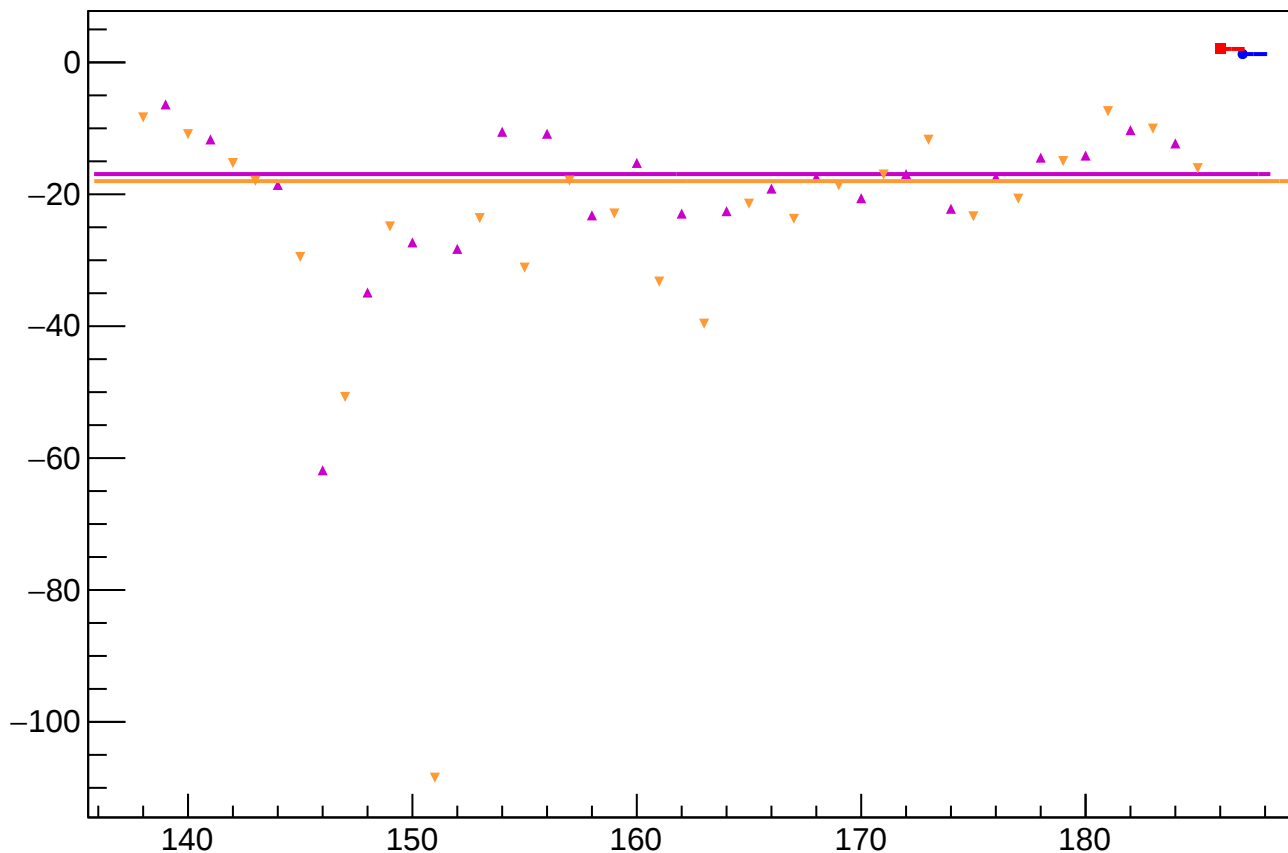
Left In: 0.087 $\pm$ 0.002 χ^2 /NDF: 3655.4/22

+ sign 0.124 $\pm$ 0.001 χ^2 /NDF: 5587.4/42

All: 0.114 $\pm$ 0.001 χ^2 /NDF: 11442.5/85

- sign 0.105 $\pm$ 0.001 χ^2 /NDF: 5770.1/42

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 1.261 ± 0.281 χ^2/NDF : 0.0/0

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 2.041 ± 0.192 χ^2/NDF : 0.0/0

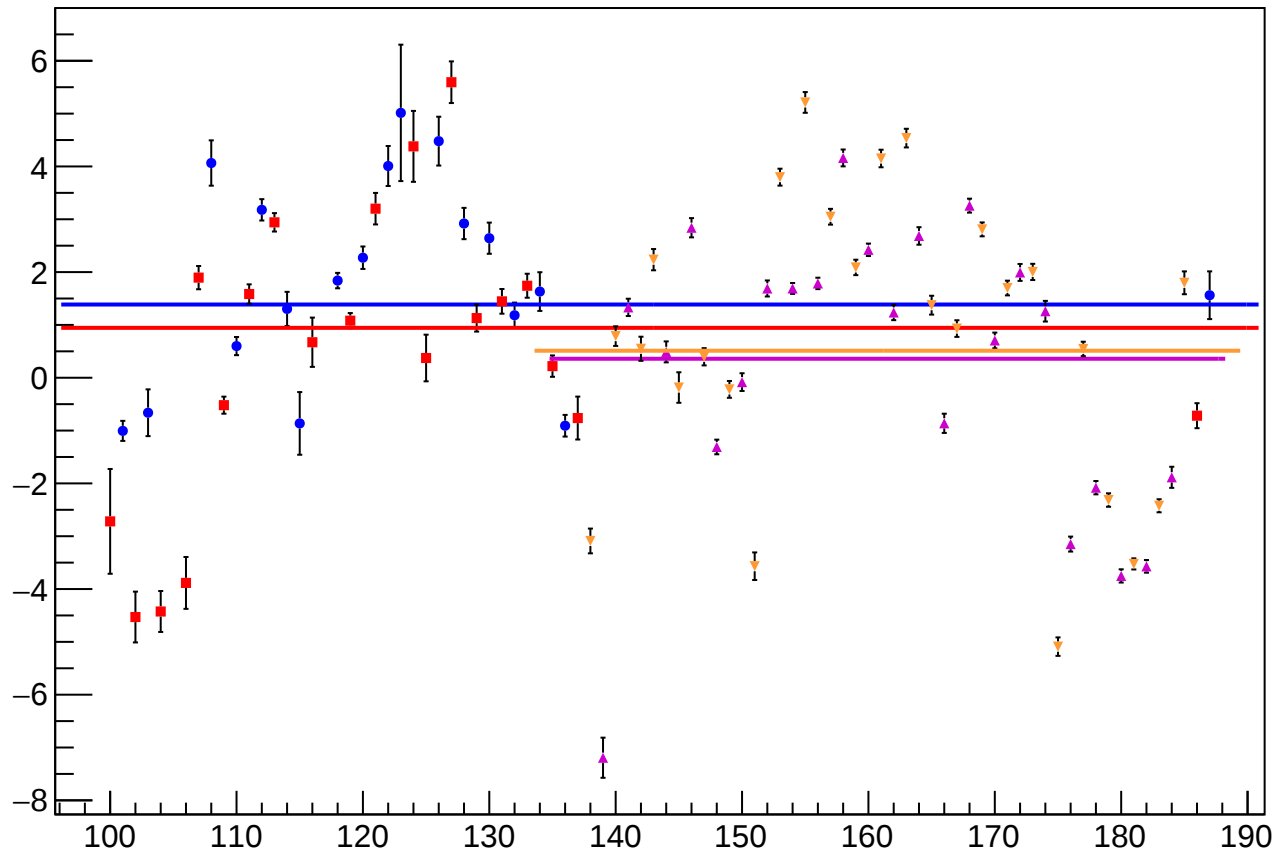
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -17.647 ± 0.038 χ^2/NDF : 93013.9/25

All: -16.913 ± 0.027 χ^2/NDF : 147203.8/49

- sign -16.221 ± 0.037 χ^2/NDF : 53476.5/23

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.386 $\pm$ 0.061 χ^2/NDF : 632.4/17

Left Out: 0.511 $\pm$ 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.945 $\pm$ 0.056 χ^2/NDF : 999.4/19

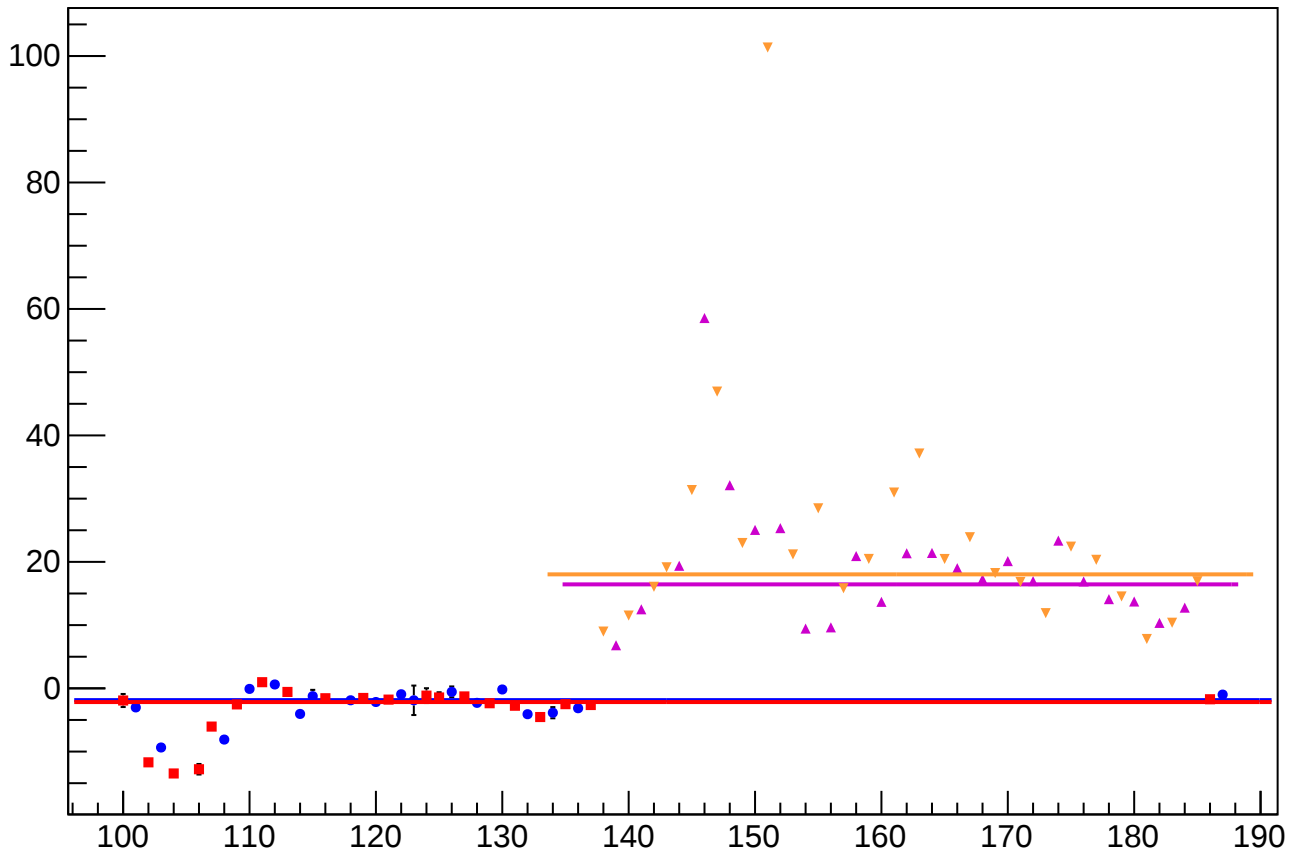
Left In: 0.360 $\pm$ 0.031 χ^2/NDF : 6221.1/22

+ sign 0.701 $\pm$ 0.028 χ^2/NDF : 7862.8/42

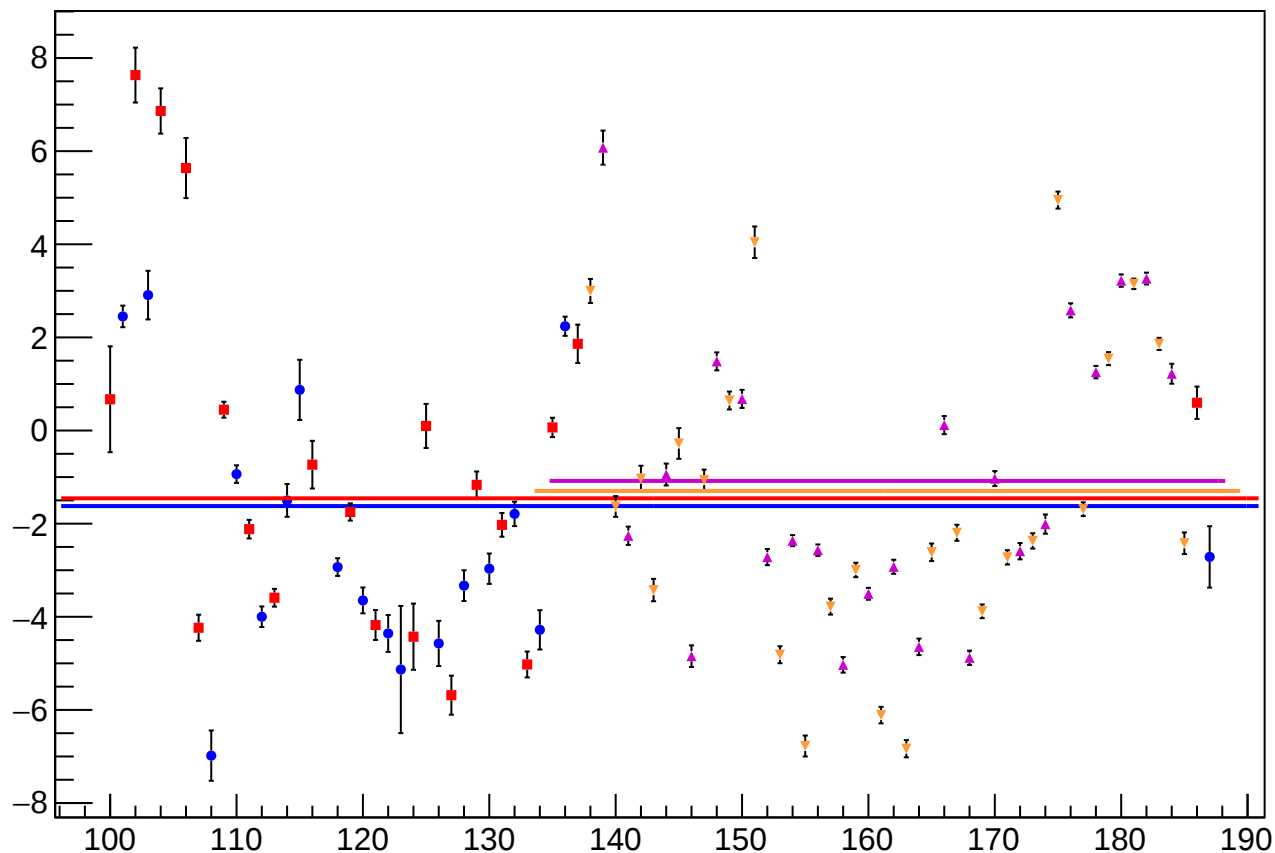
All: 0.590 $\pm$ 0.020 χ^2/NDF : 15195.4/85

- sign 0.493 $\pm$ 0.027 χ^2/NDF : 7304.3/42

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.622 ± 0.071 χ^2/NDF : 1256.0/17

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -1.456 ± 0.064 χ^2/NDF : 1544.1/19

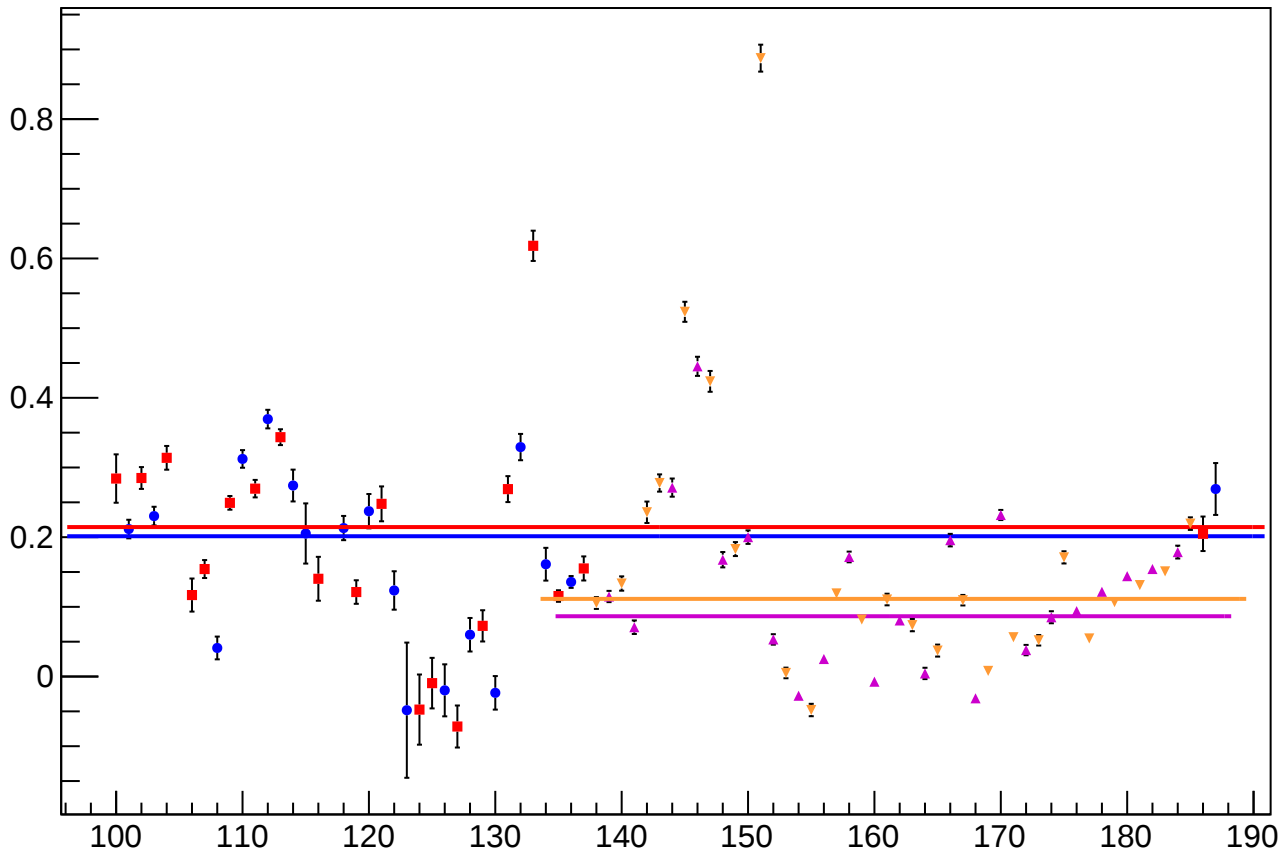
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.363 ± 0.032 χ^2/NDF : 9198.1/42

All: -1.257 ± 0.022 χ^2/NDF : 17513.8/85

- sign -1.163 ± 0.030 χ^2/NDF : 8294.8/42

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 633.8/17

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.214 ± 0.004 χ^2/NDF : 999.1/19

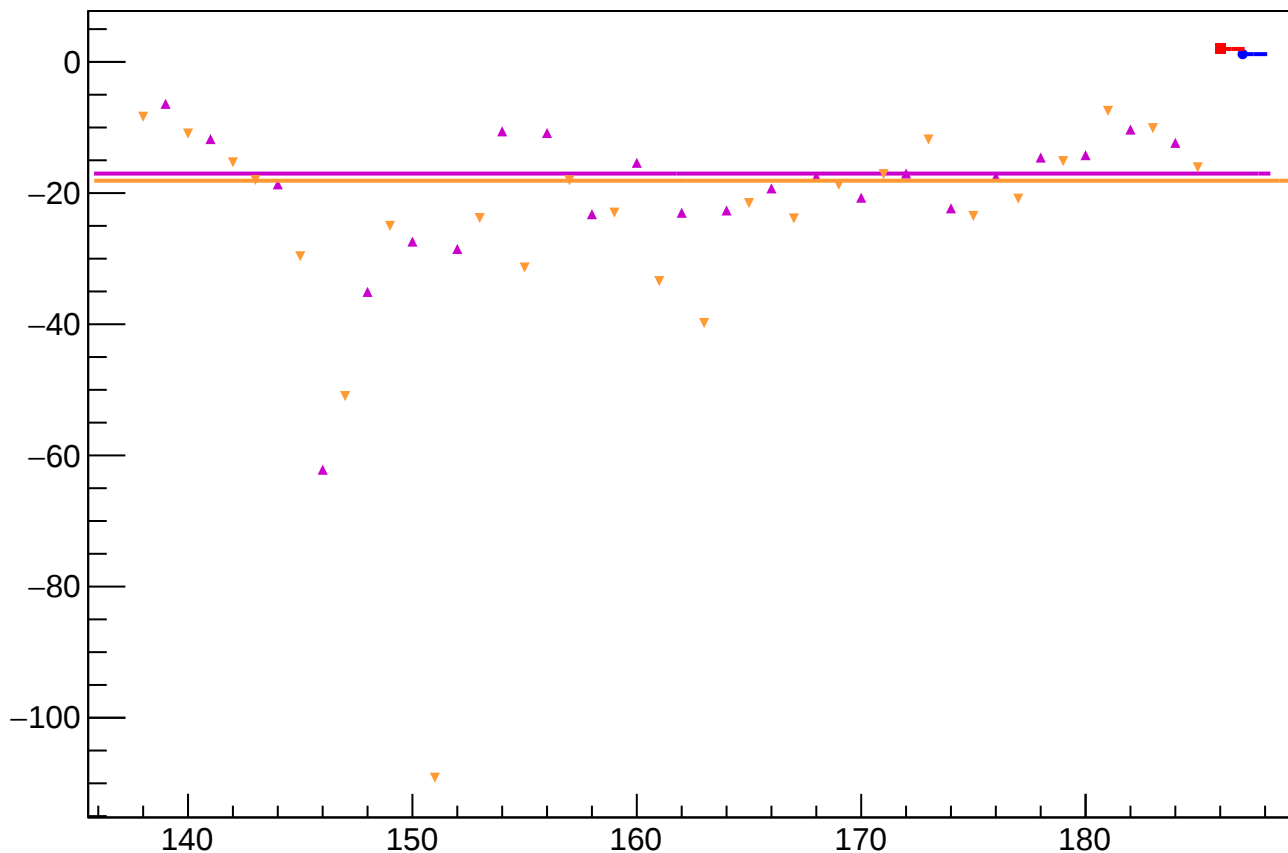
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.123 ± 0.001 χ^2/NDF : 5545.2/42

All: 0.113 ± 0.001 χ^2/NDF : 11309.0/85

- sign 0.105 ± 0.001 χ^2/NDF : 5683.1/42

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.187 $\pm$ 0.282 χ^2 /NDF: 0.0/0

Left Out: -18.112 $\pm$ 0.039 χ^2 /NDF: 88529.7/24

Right Out: 1.982 $\pm$ 0.192 χ^2 /NDF: 0.0/0

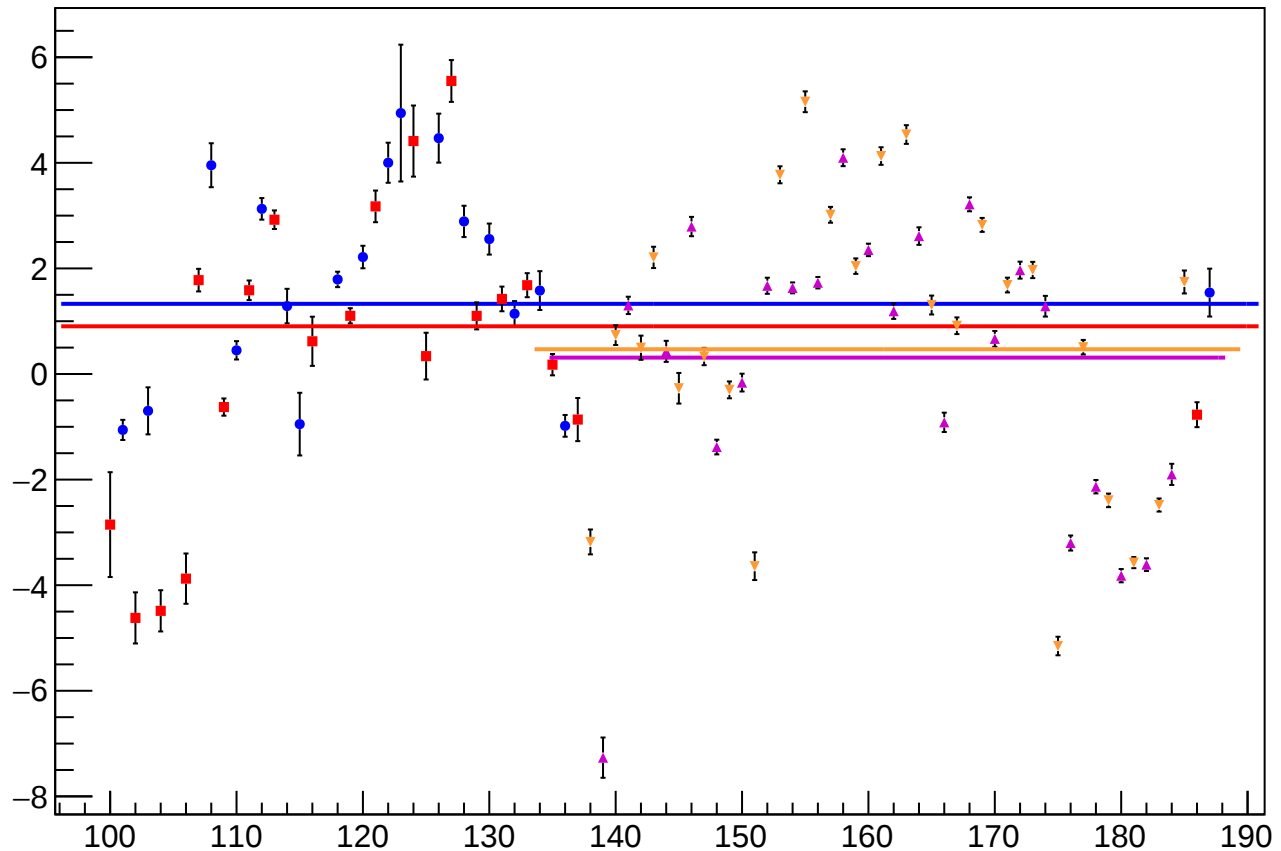
Left In: -17.024 $\pm$ 0.038 χ^2 /NDF: 44141.8/22

+ sign -17.753 $\pm$ 0.038 χ^2 /NDF: 93142.7/25

All: -17.006 $\pm$ 0.027 χ^2 /NDF: 147490.1/49

- sign -16.302 $\pm$ 0.037 χ^2 /NDF: 53614.6/23

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.329 ± 0.061 χ^2/NDF : 637.4/17

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.903 ± 0.056 χ^2/NDF : 1011.0/19

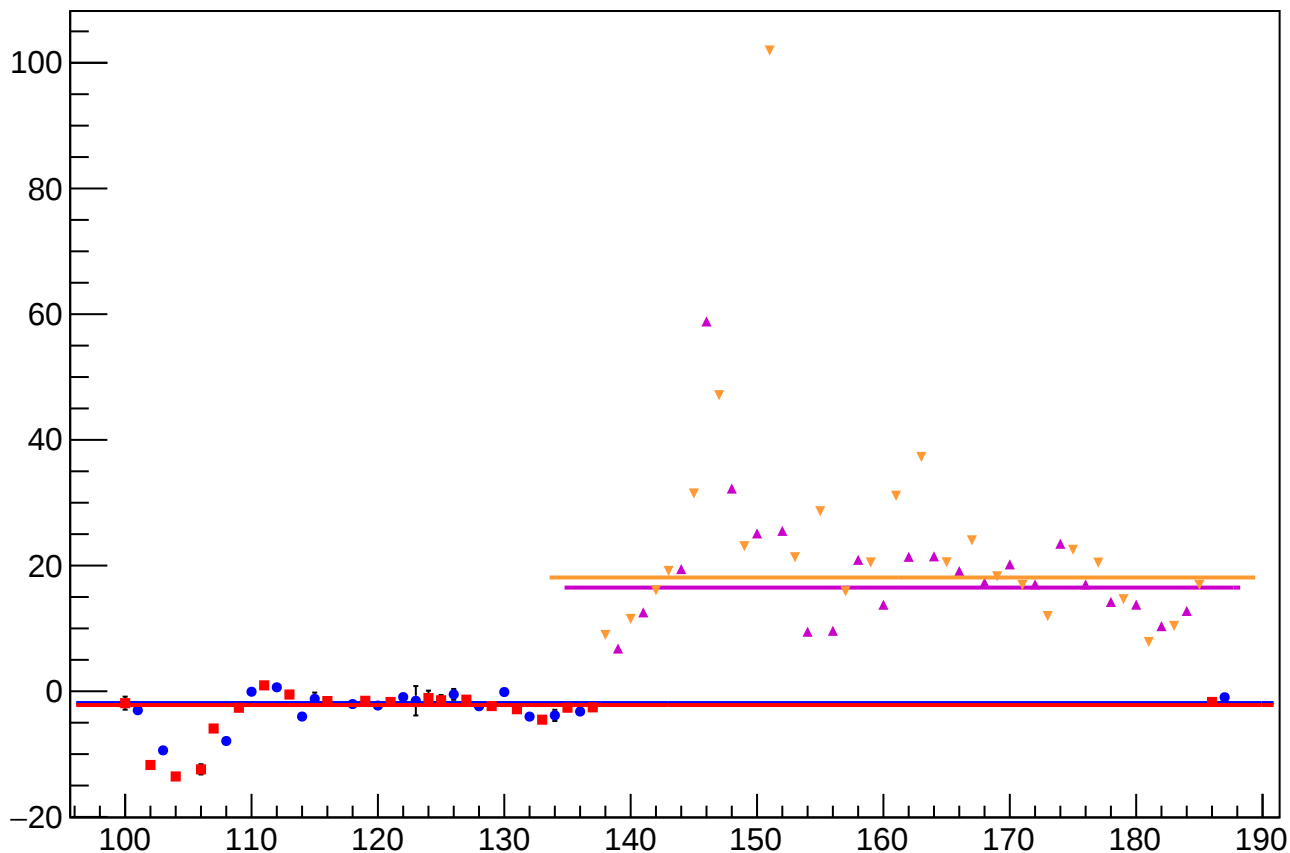
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.655 ± 0.029 χ^2/NDF : 7883.7/42

All: 0.544 ± 0.020 χ^2/NDF : 15191.7/85

- sign 0.446 ± 0.027 χ^2/NDF : 7279.7/42

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.876 ± 0.100 $\chi^2/\text{NDF}: 468.7/17$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -2.190 ± 0.083 $\chi^2/\text{NDF}: 903.6/19$

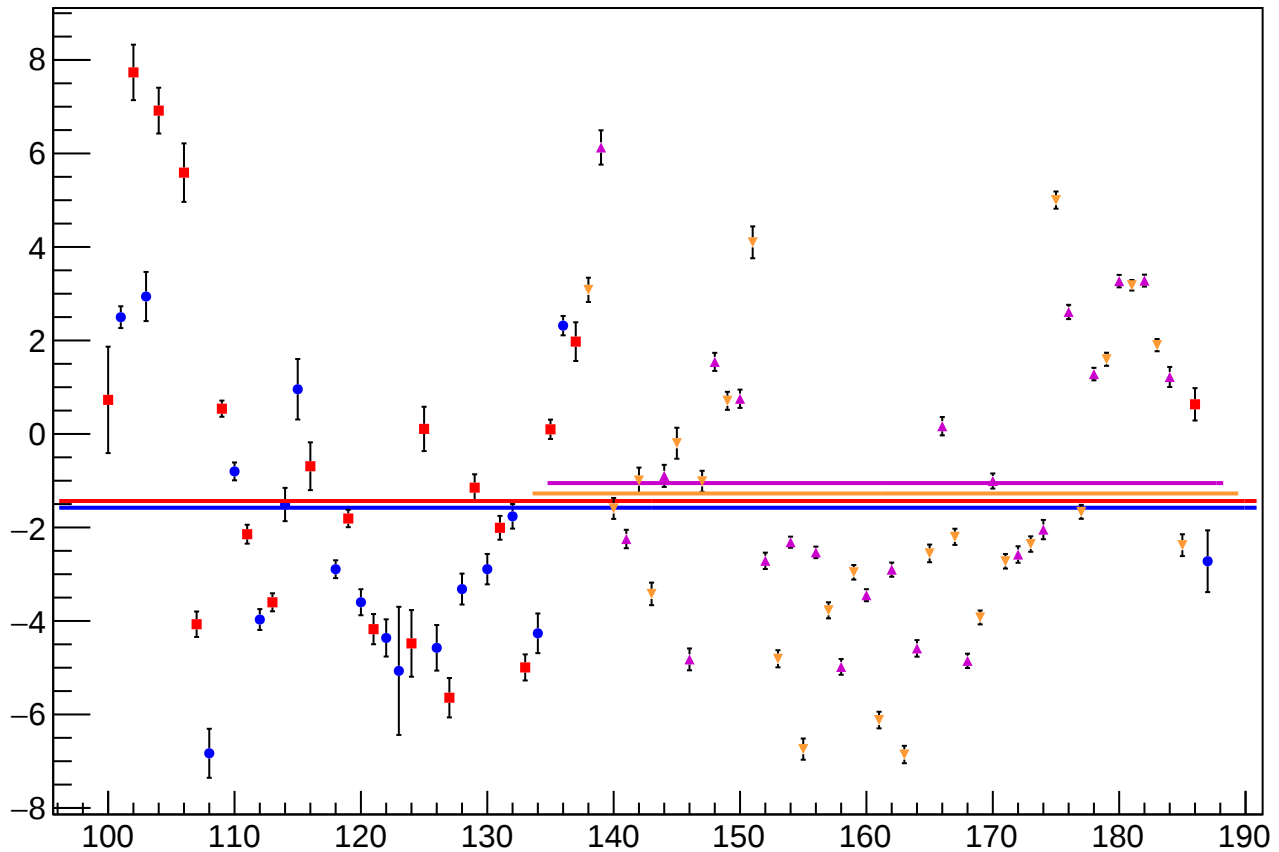
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 15.487 ± 0.036 $\chi^2/\text{NDF}: 112657.2/42$

All: 14.337 ± 0.025 $\chi^2/\text{NDF}: 198278.1/85$

- sign 13.312 ± 0.034 $\chi^2/\text{NDF}: 83726.9/42$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.578 ± 0.071 χ^2/NDF : 1261.2/17

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -1.434 ± 0.064 χ^2/NDF : 1555.7/19

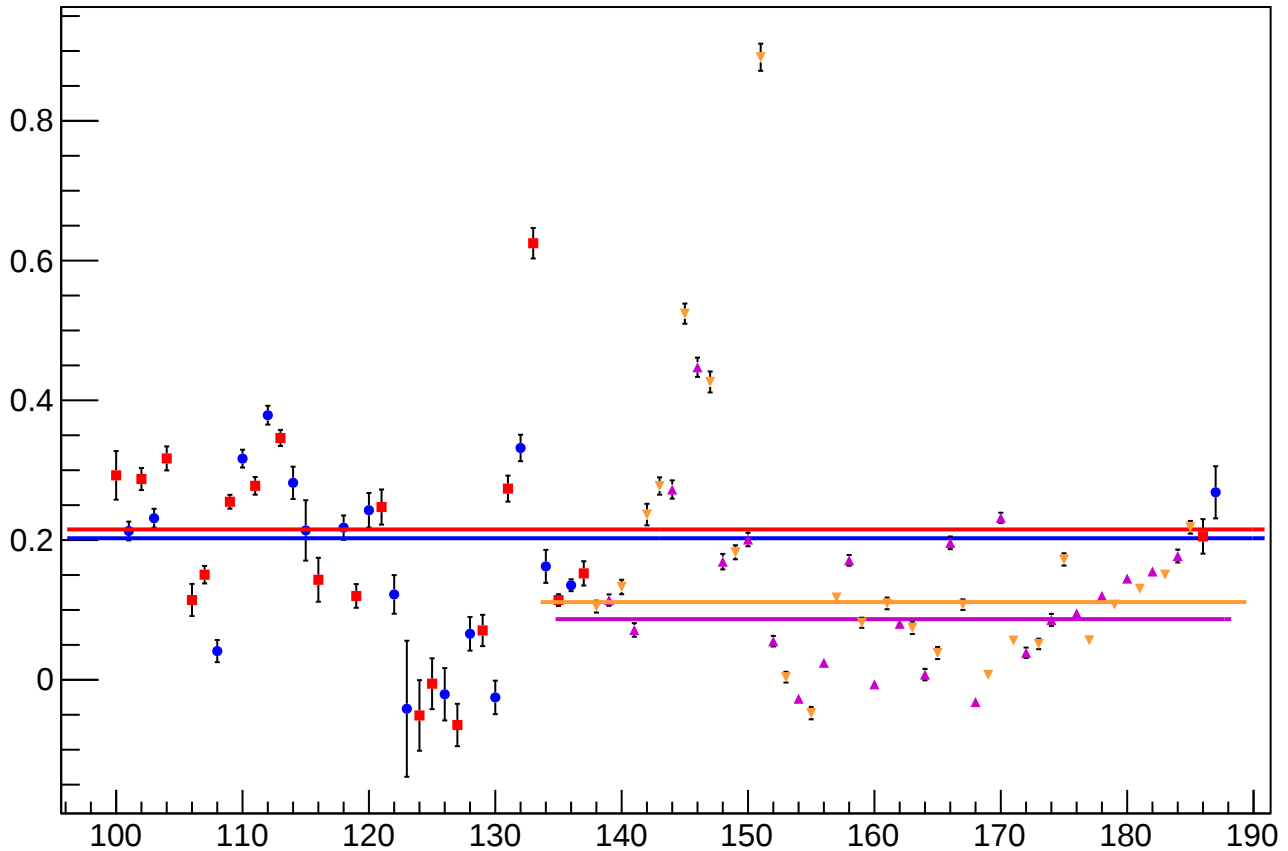
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.335 ± 0.032 χ^2/NDF : 9227.5/42

All: -1.229 ± 0.022 χ^2/NDF : 17505.3/85

- sign -1.134 ± 0.030 χ^2/NDF : 8256.9/42

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 661.8/17

Left Out: 0.111 ± 0.002 χ^2/NDF : 4474.5/24

Right Out: 0.215 ± 0.004 χ^2/NDF : 1031.6/19

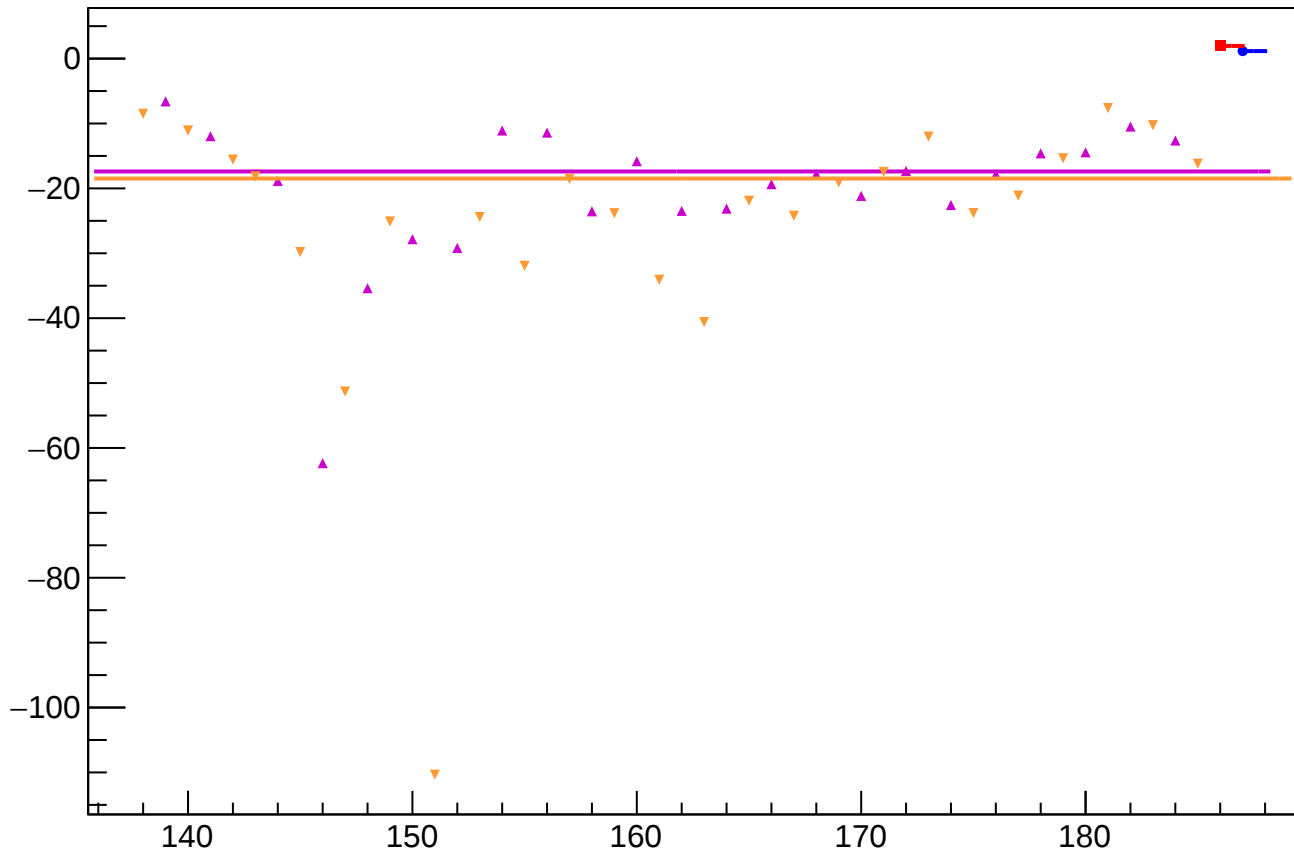
Left In: 0.087 ± 0.001 χ^2/NDF : 3598.5/22

+ sign 0.123 ± 0.001 χ^2/NDF : 5562.3/42

All: 0.114 ± 0.001 χ^2/NDF : 11330.0/85

- sign 0.105 ± 0.001 χ^2/NDF : 5691.3/42

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.157 $\pm$ 0.283 χ^2 /NDF: 0.0/0

Left Out: -18.479 $\pm$ 0.040 χ^2 /NDF: 87883.4/24

Right Out: 1.954 $\pm$ 0.192 χ^2 /NDF: 0.0/0

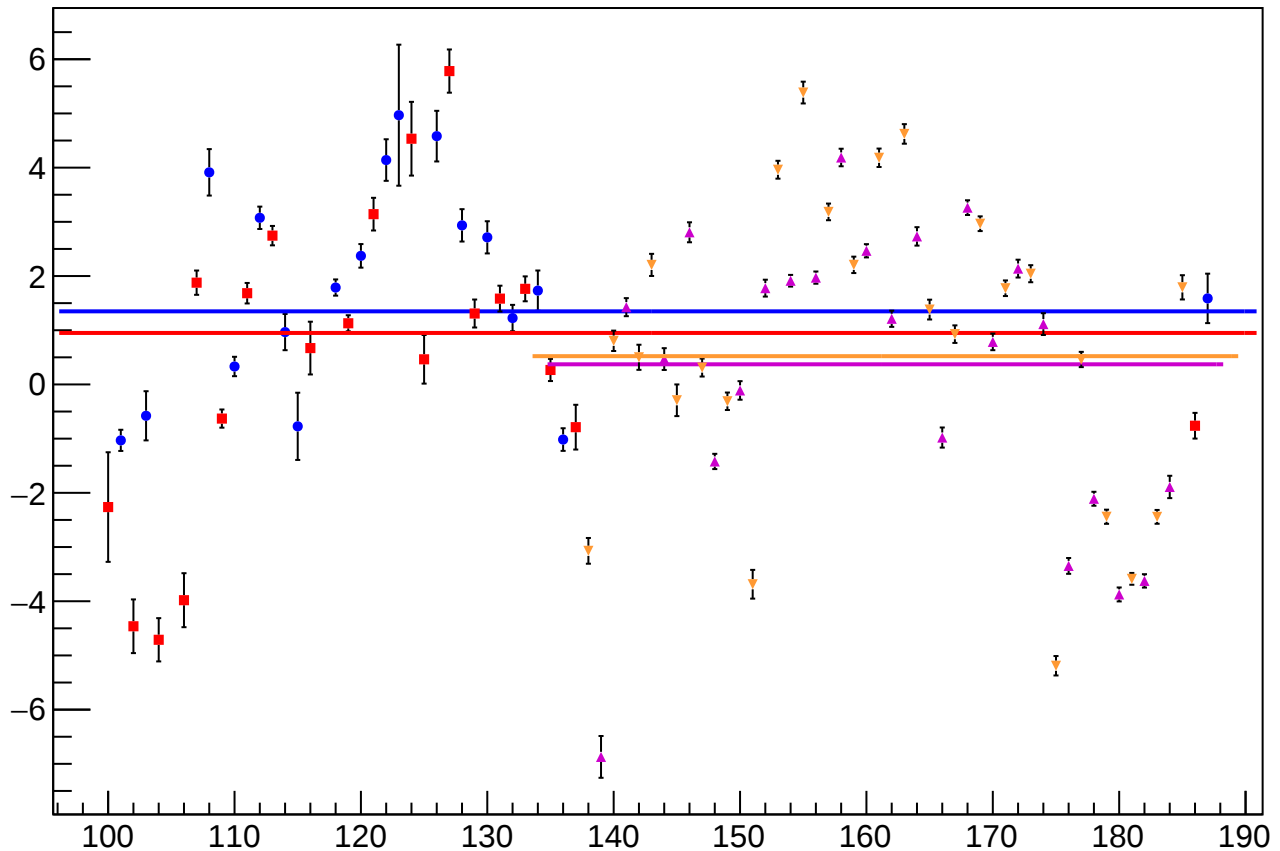
Left In: -17.393 $\pm$ 0.039 χ^2 /NDF: 43178.9/22

+ sign -18.101 $\pm$ 0.039 χ^2 /NDF: 92594.5/25

All: -17.344 $\pm$ 0.027 χ^2 /NDF: 146209.7/49

- sign -16.631 $\pm$ 0.038 χ^2 /NDF: 52895.3/23

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.349 ± 0.063 χ^2/NDF : 636.6/17

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.950 ± 0.057 χ^2/NDF : 982.9/19

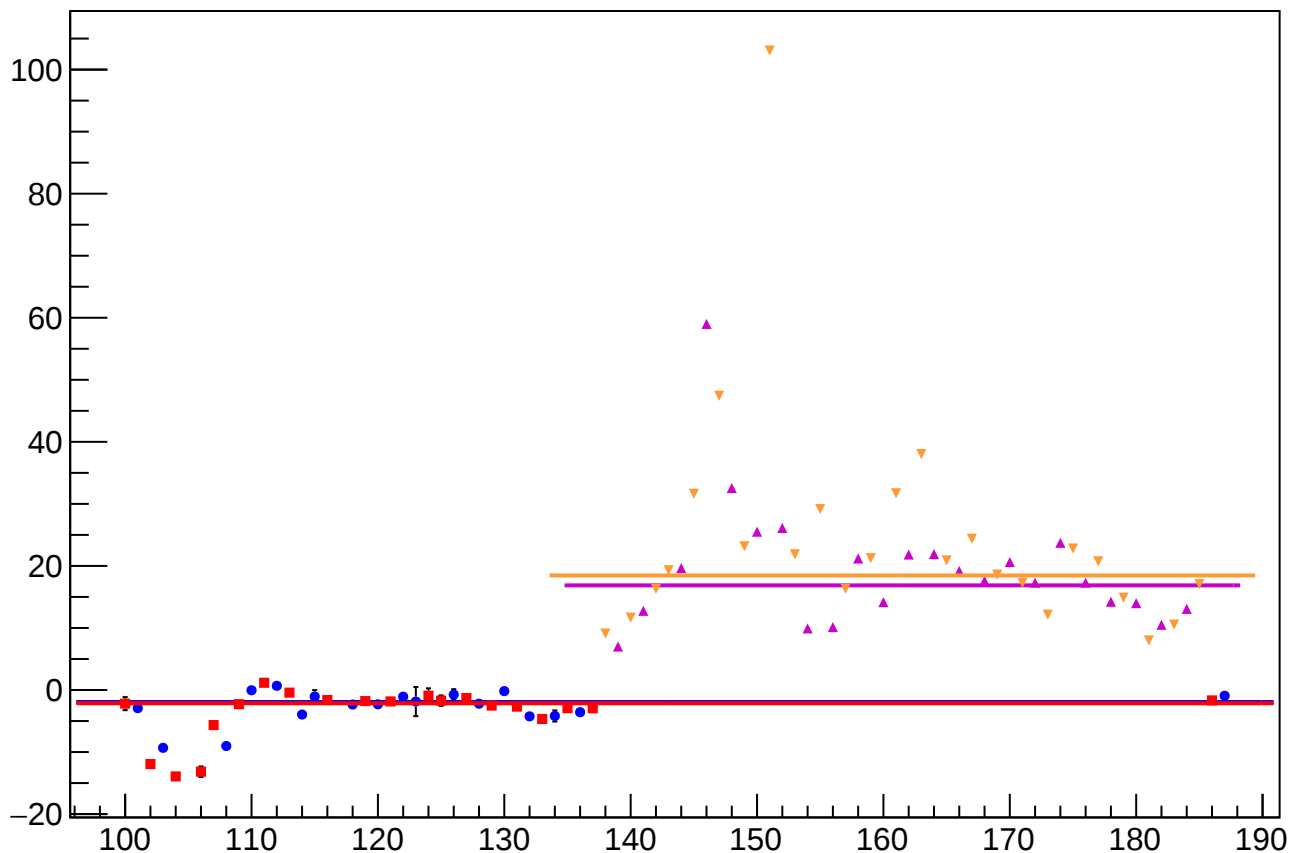
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.701 ± 0.029 χ^2/NDF : 7828.2/42

All: 0.597 ± 0.020 χ^2/NDF : 15130.8/85

- sign 0.504 ± 0.028 χ^2/NDF : 7278.5/42

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.940 ± 0.102 $\chi^2/\text{NDF}: 495.8/17$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -2.138 ± 0.084 $\chi^2/\text{NDF}: 922.9/19$

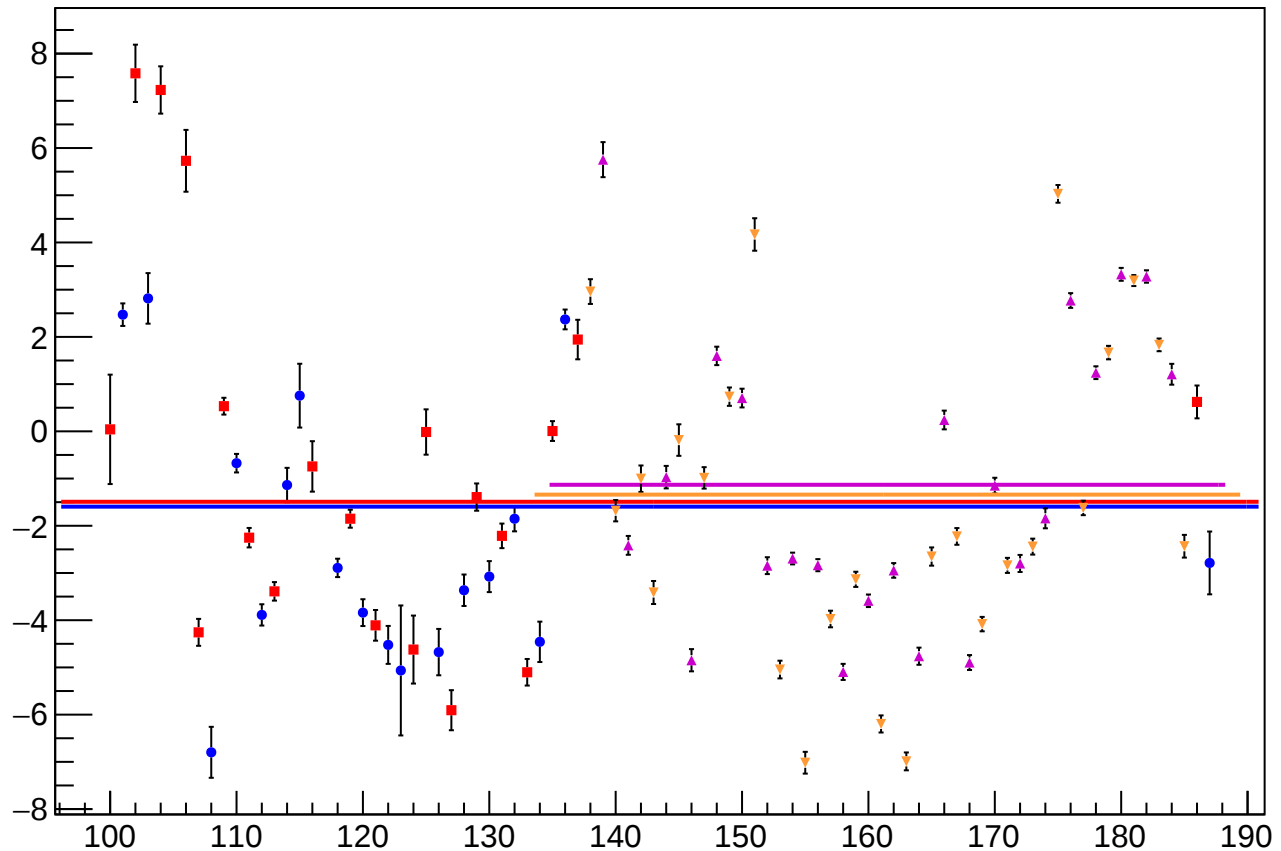
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 15.764 ± 0.037 $\chi^2/\text{NDF}: 112397.2/42$

All: 14.613 ± 0.026 $\chi^2/\text{NDF}: 196834.4/85$

- sign 13.586 ± 0.035 $\chi^2/\text{NDF}: 82620.4/42$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.595 ± 0.072 χ^2/NDF : 1251.0/17

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -1.492 ± 0.066 χ^2/NDF : 1515.9/19

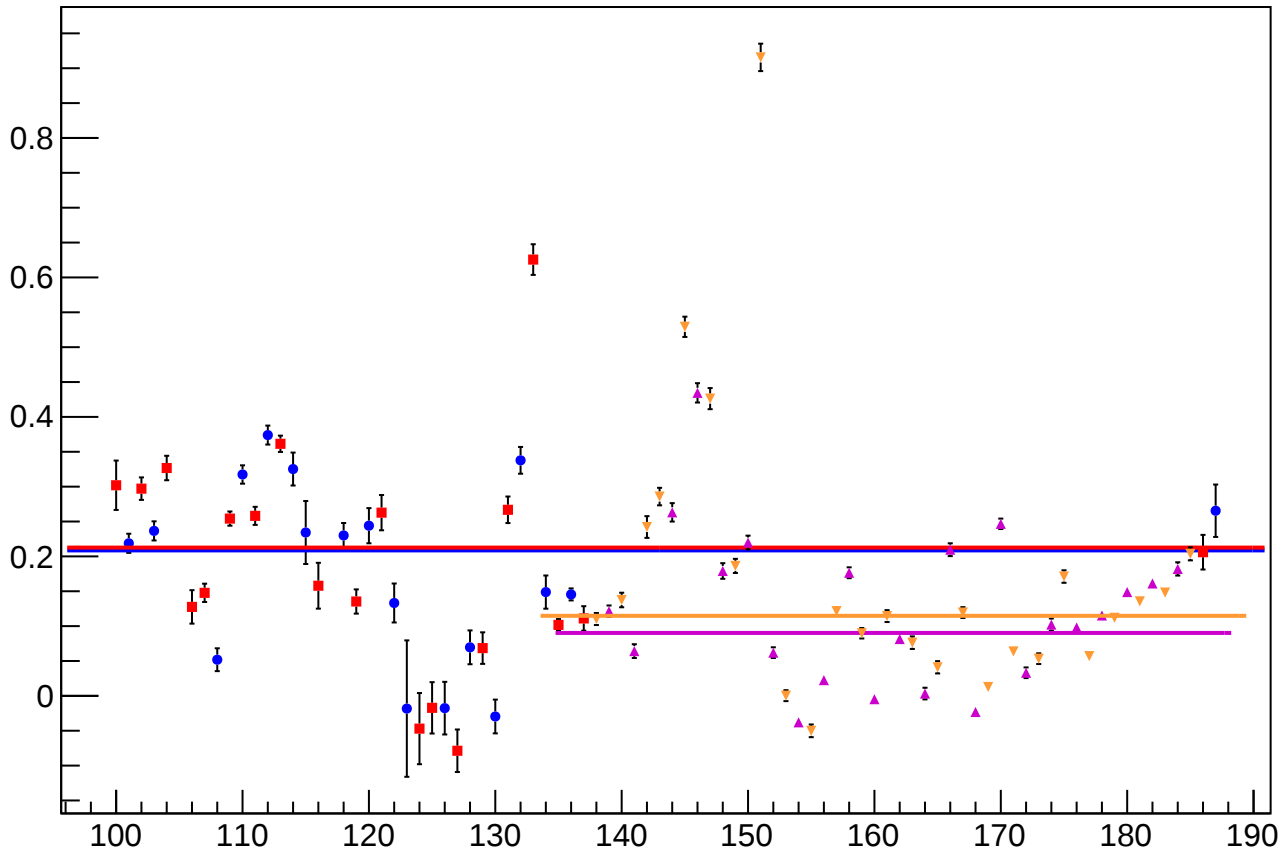
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.392 ± 0.033 χ^2/NDF : 9168.3/42

All: -1.297 ± 0.022 χ^2/NDF : 17432.4/85

- sign -1.211 ± 0.031 χ^2/NDF : 8247.8/42

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.209 $\pm$ 0.004 χ^2/NDF : 626.3/17

Left Out: 0.115 $\pm$ 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.213 $\pm$ 0.004 χ^2/NDF : 1097.2/19

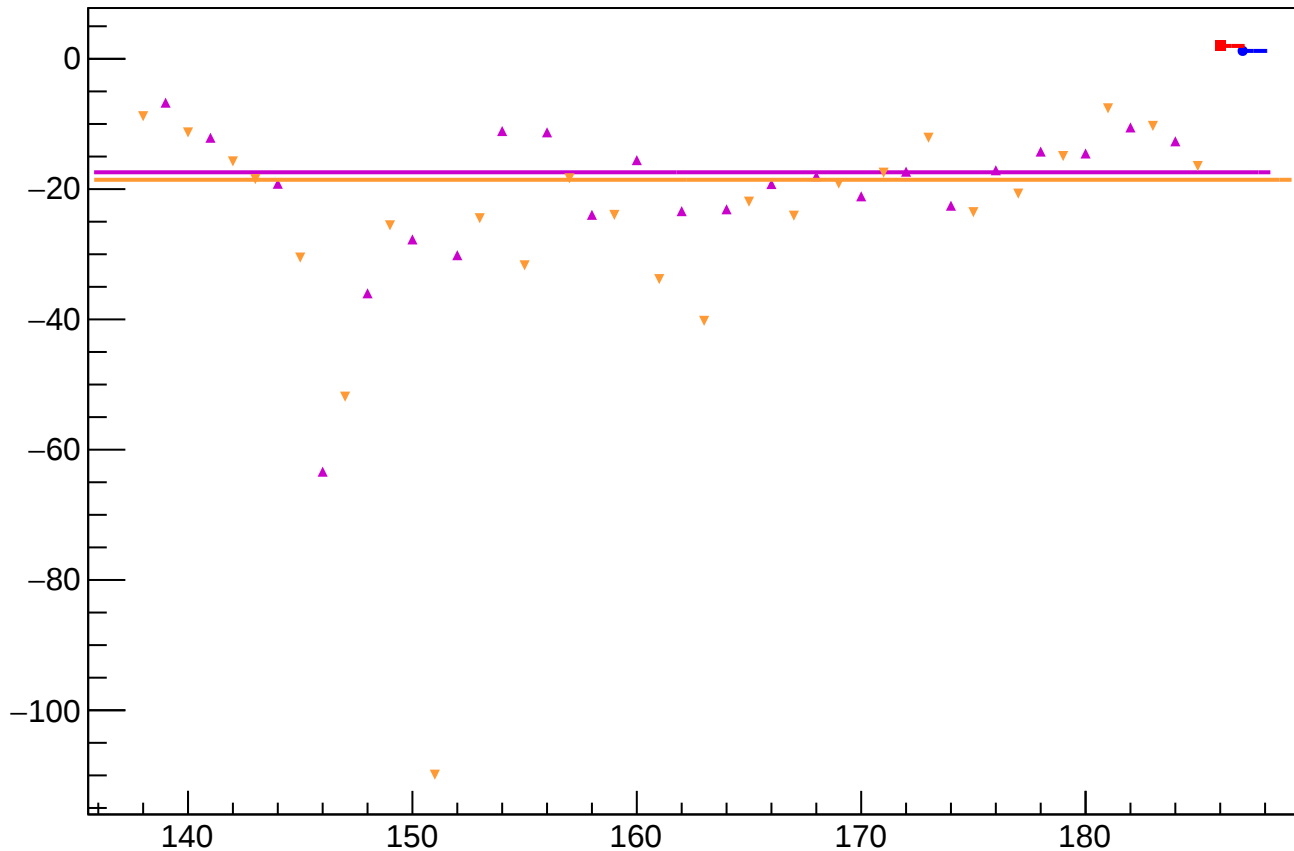
Left In: 0.090 $\pm$ 0.002 χ^2/NDF : 3676.5/22

+ sign 0.127 $\pm$ 0.002 χ^2/NDF : 5491.2/42

All: 0.117 $\pm$ 0.001 χ^2/NDF : 11273.6/85

- sign 0.108 $\pm$ 0.001 χ^2/NDF : 5698.4/42

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.216 ± 0.284 χ^2/NDF : 0.0/0

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 1.981 ± 0.193 χ^2/NDF : 0.0/0

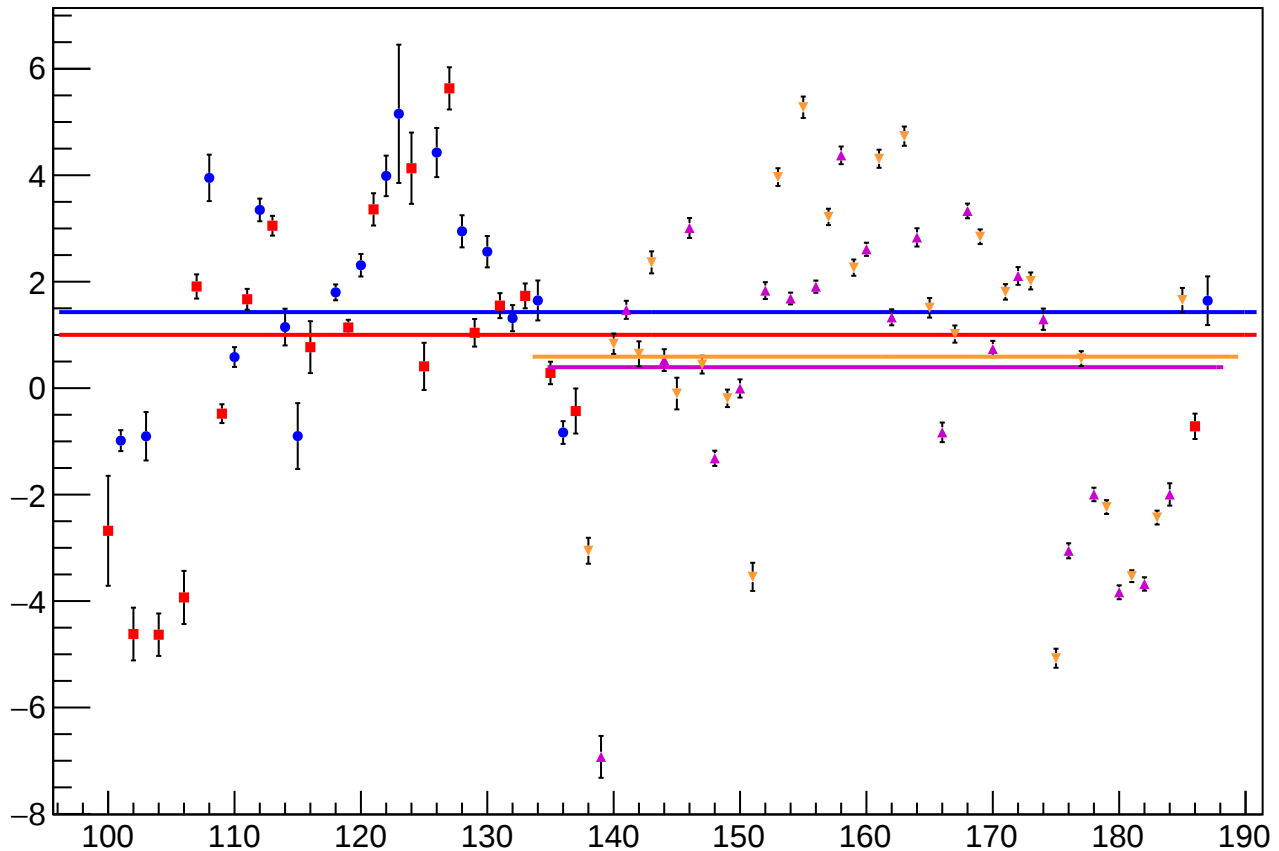
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -18.180 ± 0.040 χ^2/NDF : 91142.9/25

All: -17.389 ± 0.028 χ^2/NDF : 145081.0/49

- sign -16.645 ± 0.039 χ^2/NDF : 53167.7/23

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.429 ± 0.063 χ^2/NDF : 600.1/17

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 1.001 ± 0.058 χ^2/NDF : 970.9/19

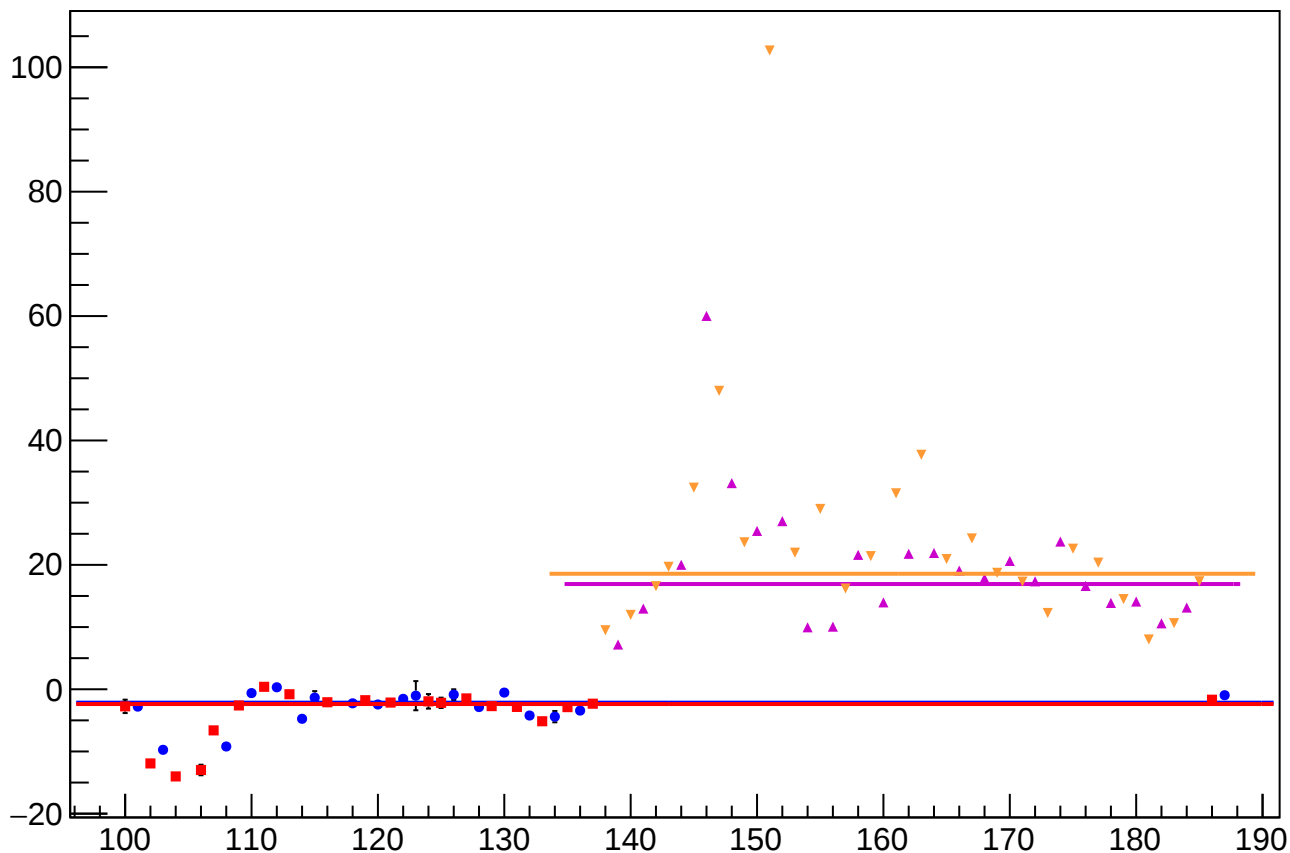
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.773 ± 0.029 χ^2/NDF : 7534.5/42

All: 0.646 ± 0.020 χ^2/NDF : 14684.4/85

- sign 0.533 ± 0.028 χ^2/NDF : 7114.9/42

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.154 ± 0.103 $\chi^2/\text{NDF}: 459.3/17$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -2.376 ± 0.086 $\chi^2/\text{NDF}: 860.6/19$

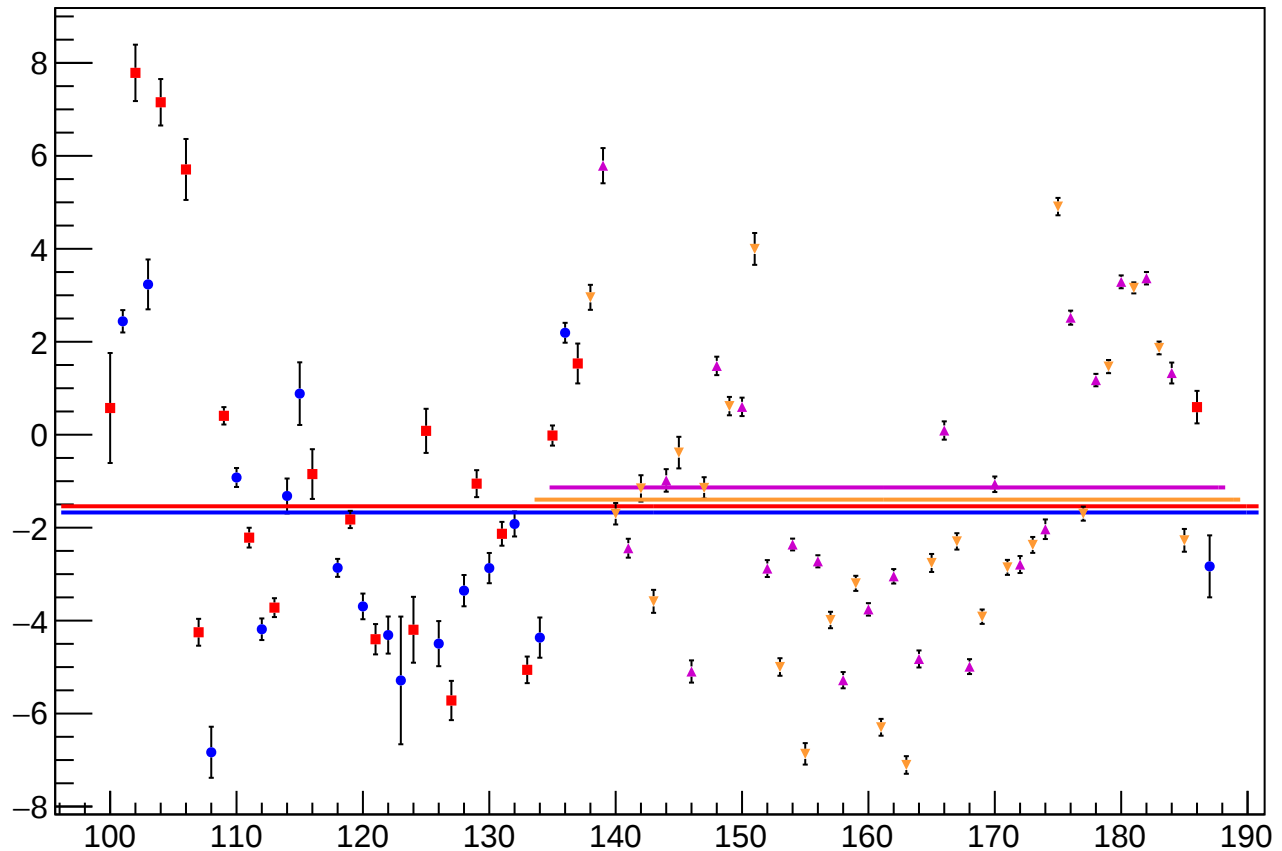
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 15.843 ± 0.038 $\chi^2/\text{NDF}: 111394.3/42$

All: 14.674 ± 0.026 $\chi^2/\text{NDF}: 196151.8/85$

- sign 13.631 ± 0.035 $\chi^2/\text{NDF}: 82920.2/42$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.673 ± 0.073 $\chi^2/\text{NDF}: 1194.0/17$

Left Out: -1.396 ± 0.037 $\chi^2/\text{NDF}: 7651.5/24$

Right Out: -1.540 ± 0.067 $\chi^2/\text{NDF}: 1487.4/19$

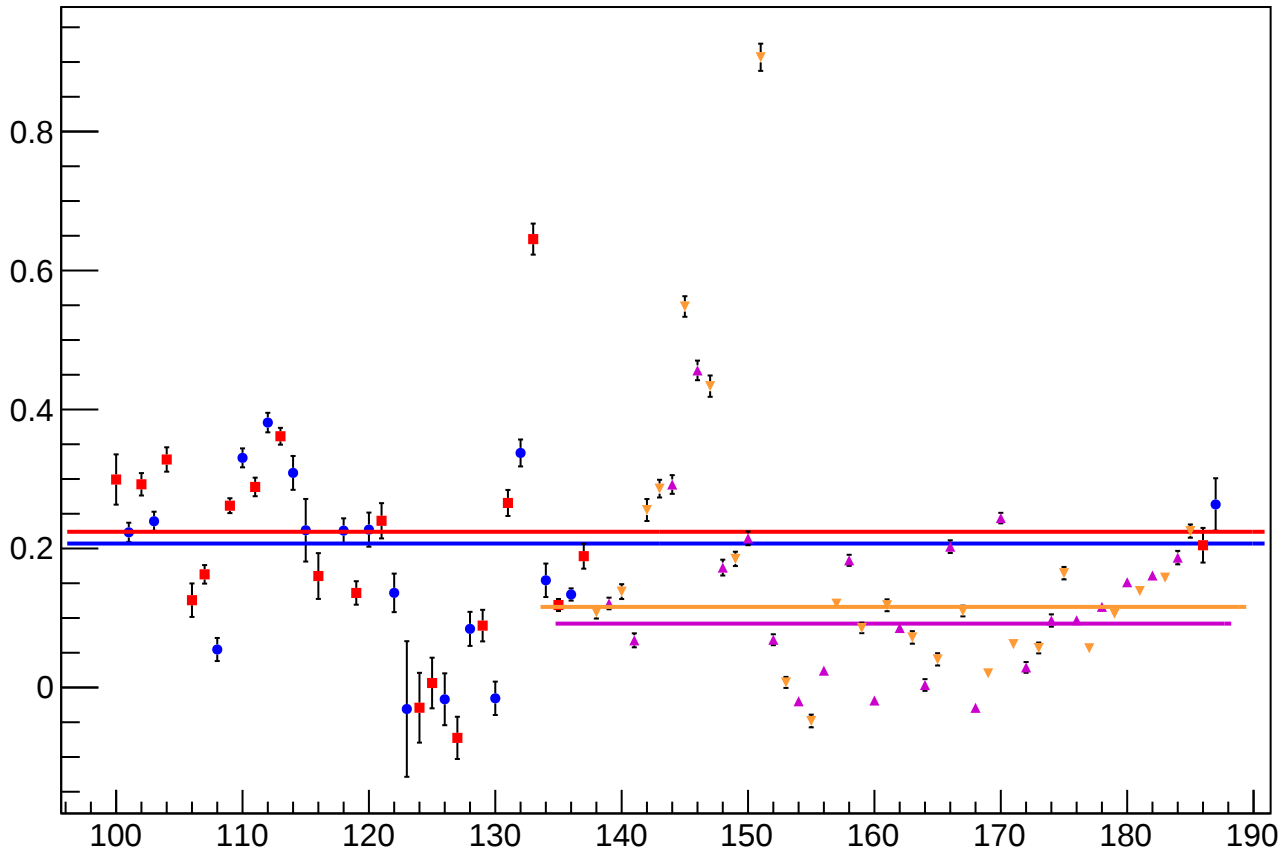
Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

+ sign -1.453 ± 0.033 $\chi^2/\text{NDF}: 8857.0/42$

All: -1.332 ± 0.023 $\chi^2/\text{NDF}: 16996.8/85$

- sign -1.223 ± 0.031 $\chi^2/\text{NDF}: 8114.0/42$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.207 ± 0.004 χ^2/NDF : 627.5/17

Left Out: 0.116 ± 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.224 ± 0.004 χ^2/NDF : 995.6/19

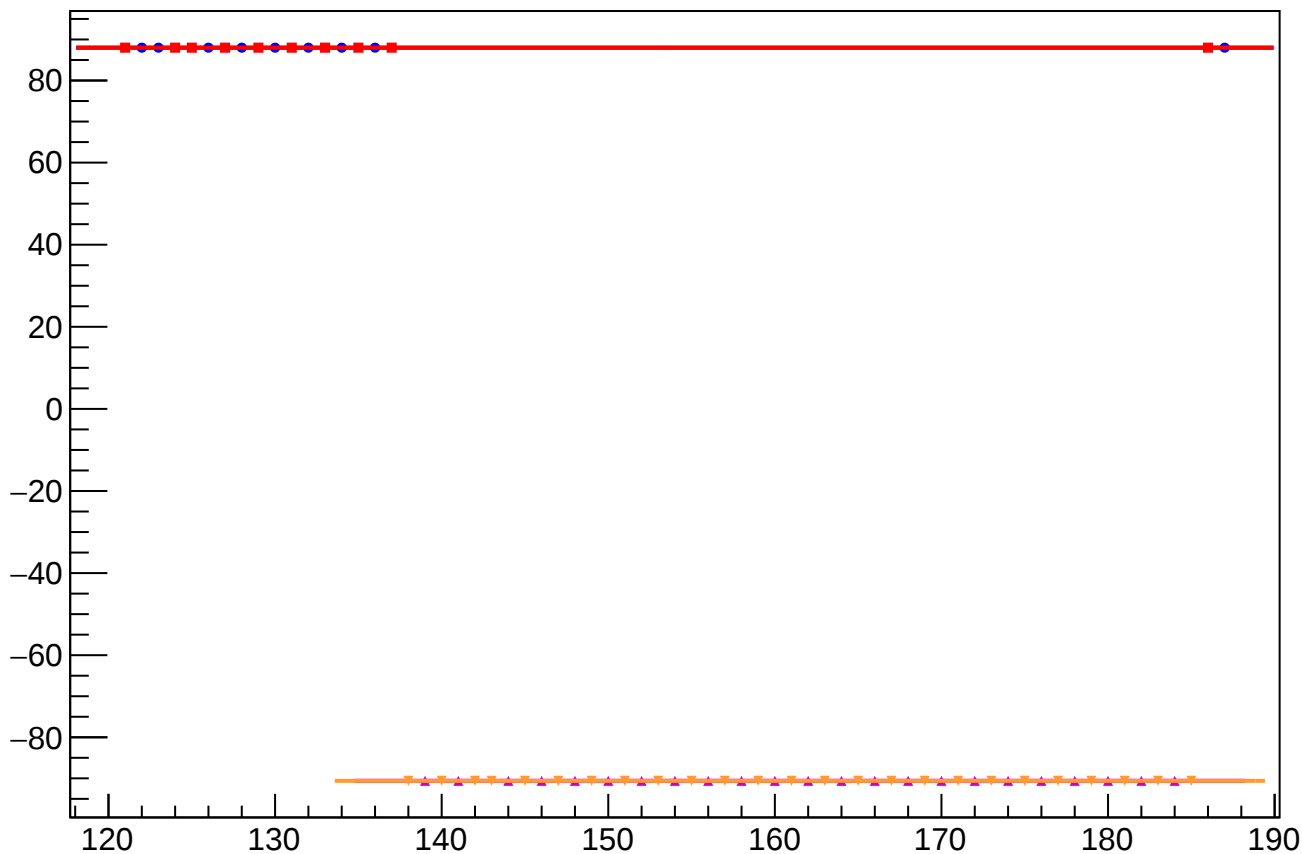
Left In: 0.092 ± 0.002 χ^2/NDF : 3631.4/22

+ sign 0.128 ± 0.002 χ^2/NDF : 5489.4/42

All: 0.119 ± 0.001 χ^2/NDF : 11221.4/85

- sign 0.111 ± 0.001 χ^2/NDF : 5666.3/42

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 661381.0/8

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 137123.0/9

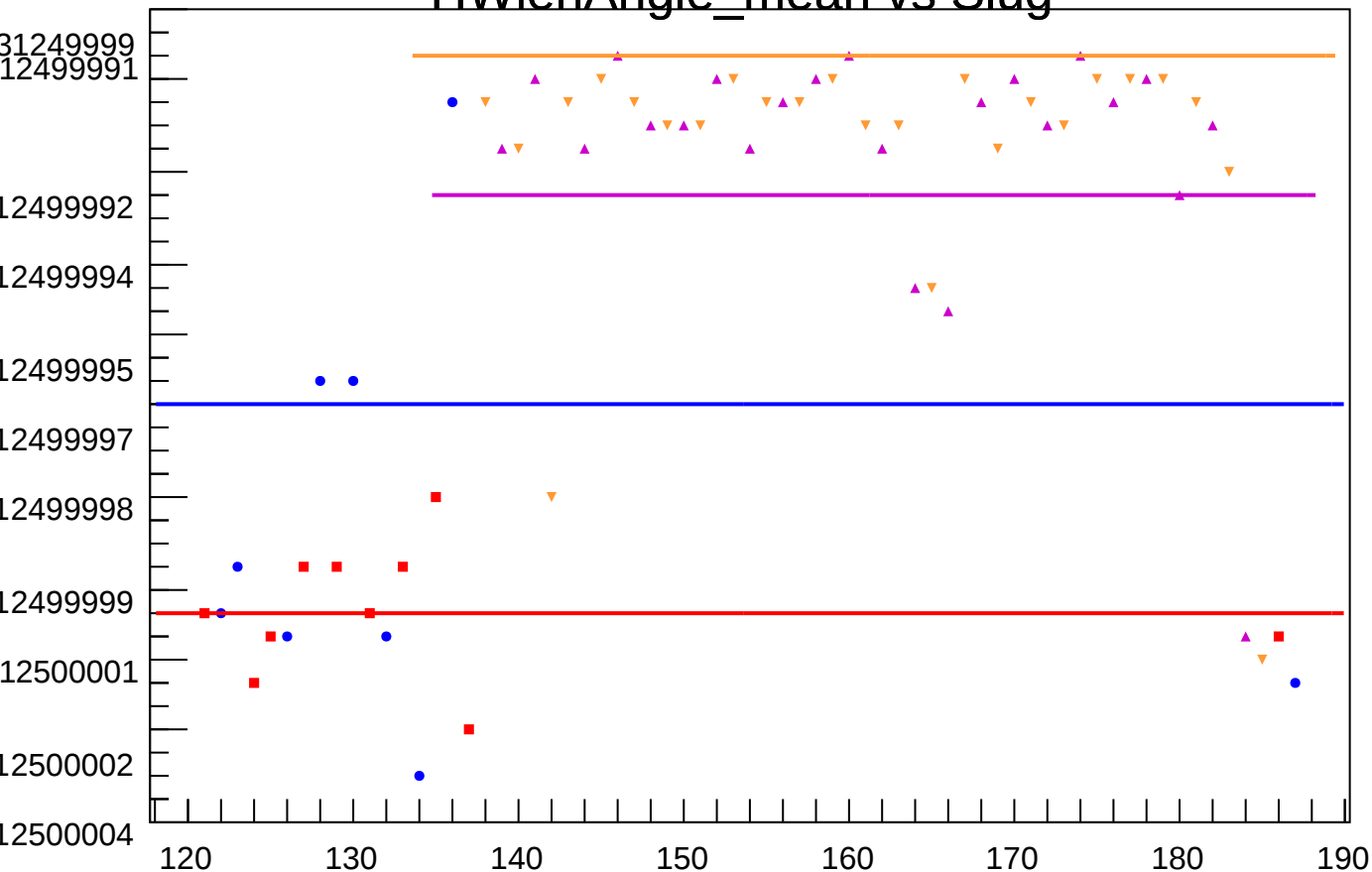
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -62.607+/-0.000 χ^2/NDF : 954896767240617

All: -61.981+/-0.000 χ^2/NDF : 190186277372

- sign -61.327+/-0.000 χ^2/NDF : 9467847633333318

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 χ^2/NDF : 431336.5/8

Left Out: -29.641 ± 0.000 χ^2/NDF : 654199.2/24

Right Out: -29.641 ± 0.000 χ^2/NDF : 29774.8/9

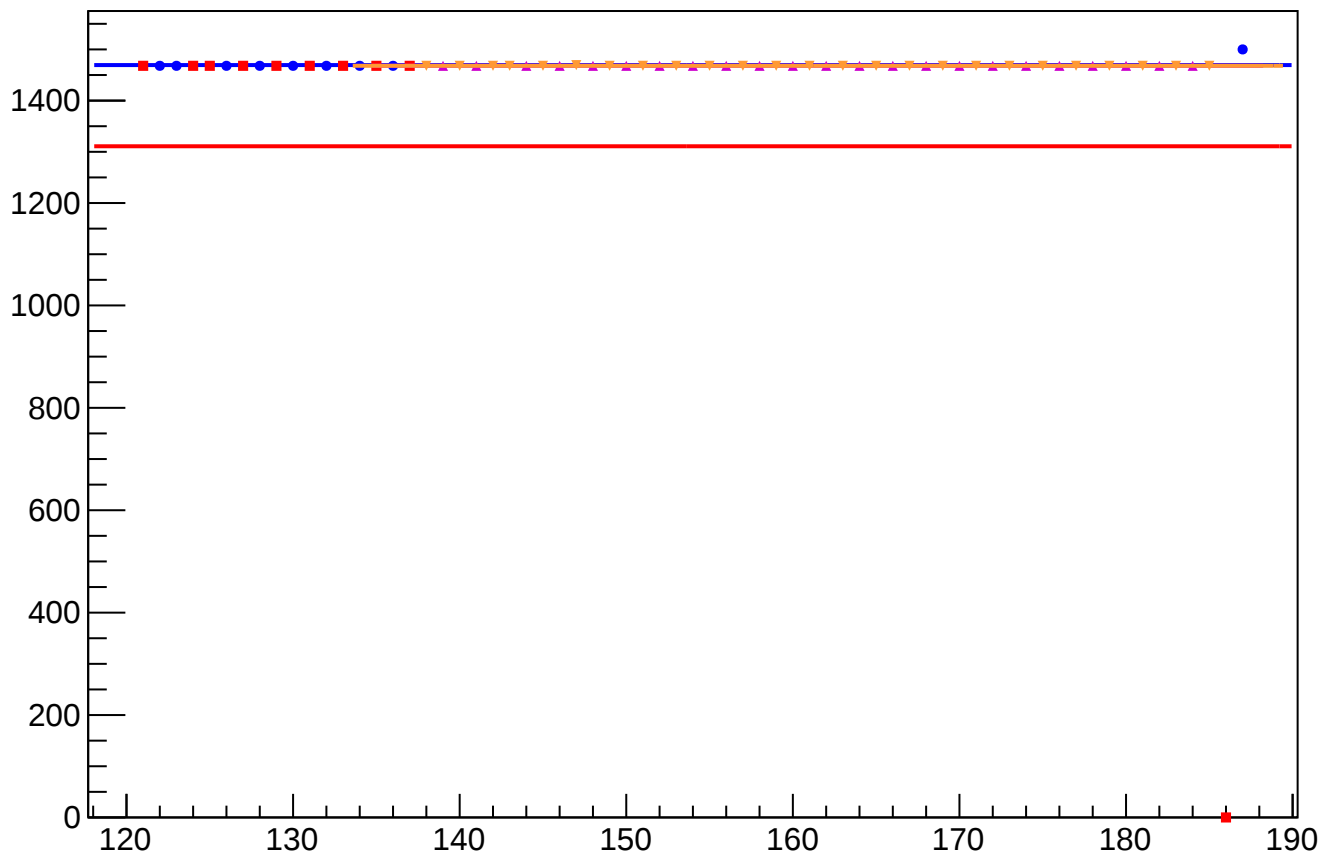
Left In: -29.641 ± 0.000 χ^2/NDF : 511825.6/22

+ sign -29.641 ± 0.000 χ^2/NDF : 1629887.6/33

All: -29.641 ± 0.000 χ^2/NDF : 4674512.0/66

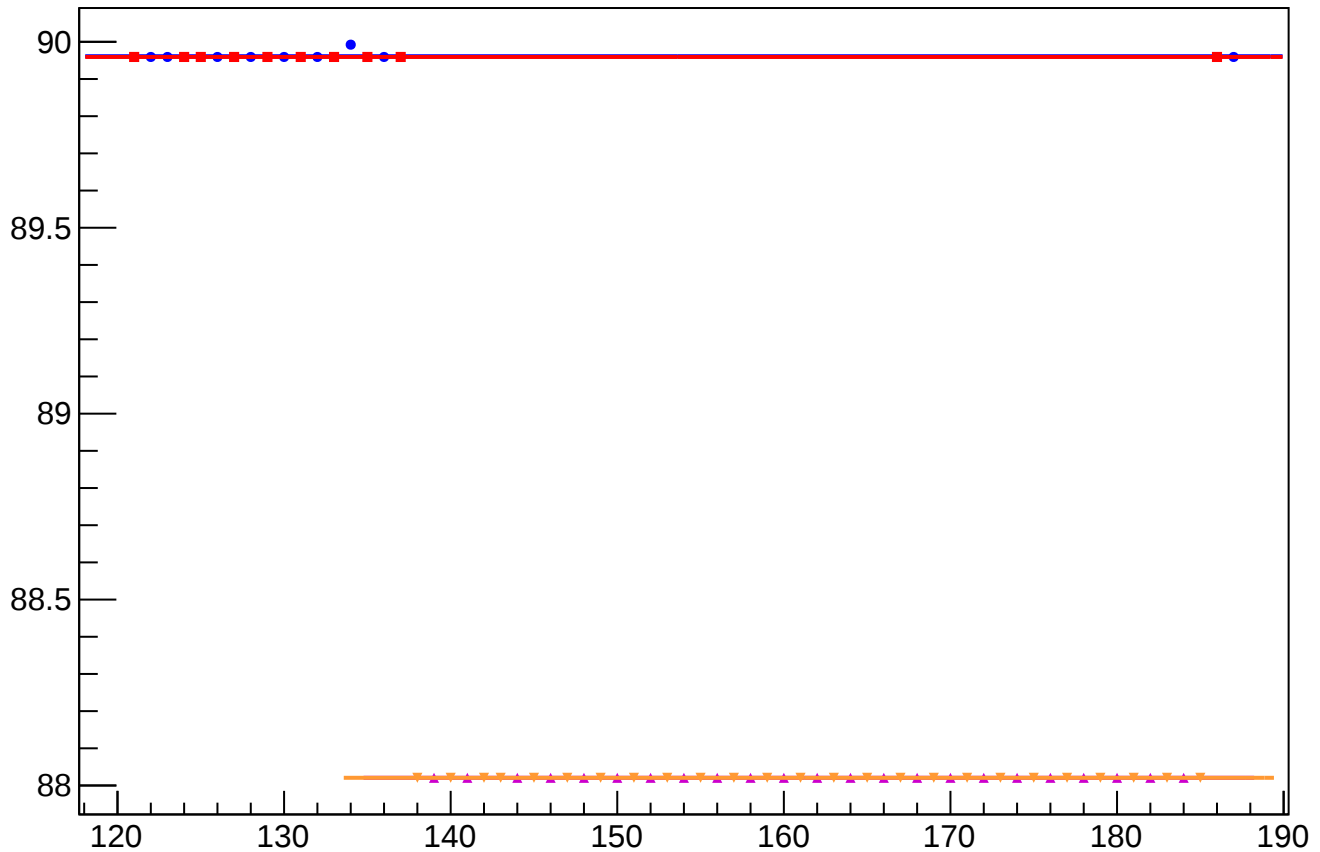
- sign -29.641 ± 0.000 χ^2/NDF : 2023800.6/32

psub_pl_pos_mean vs Slug



Right In: 1469.423+/-0.000	χ^2/NDF : 15666505254721321231066247821524992.0/8
Left Out: 1468.048+/-0.000	χ^2/NDF : 127960980922965975039069502046208.0/24
Right Out: 1310.844+/-0.000	χ^2/NDF : 73122127718779489374121349928022179840.0/9
Left In: 1467.994+/-0.000	χ^2/NDF : 145848702340275035310993178624.0/22
	+ sign 1468.263+/-0.000 χ^2/NDF : 16360229639612
	All: 1455.541+/-0.000 χ^2/NDF : 81218585927
	- sign 1442.237+/-0.000 χ^2/NDF : 80452277042675

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21580216386362613205223604224.0/8

Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24

Right Out: 89.959+/-0.000 χ^2/NDF : 440449.4/9

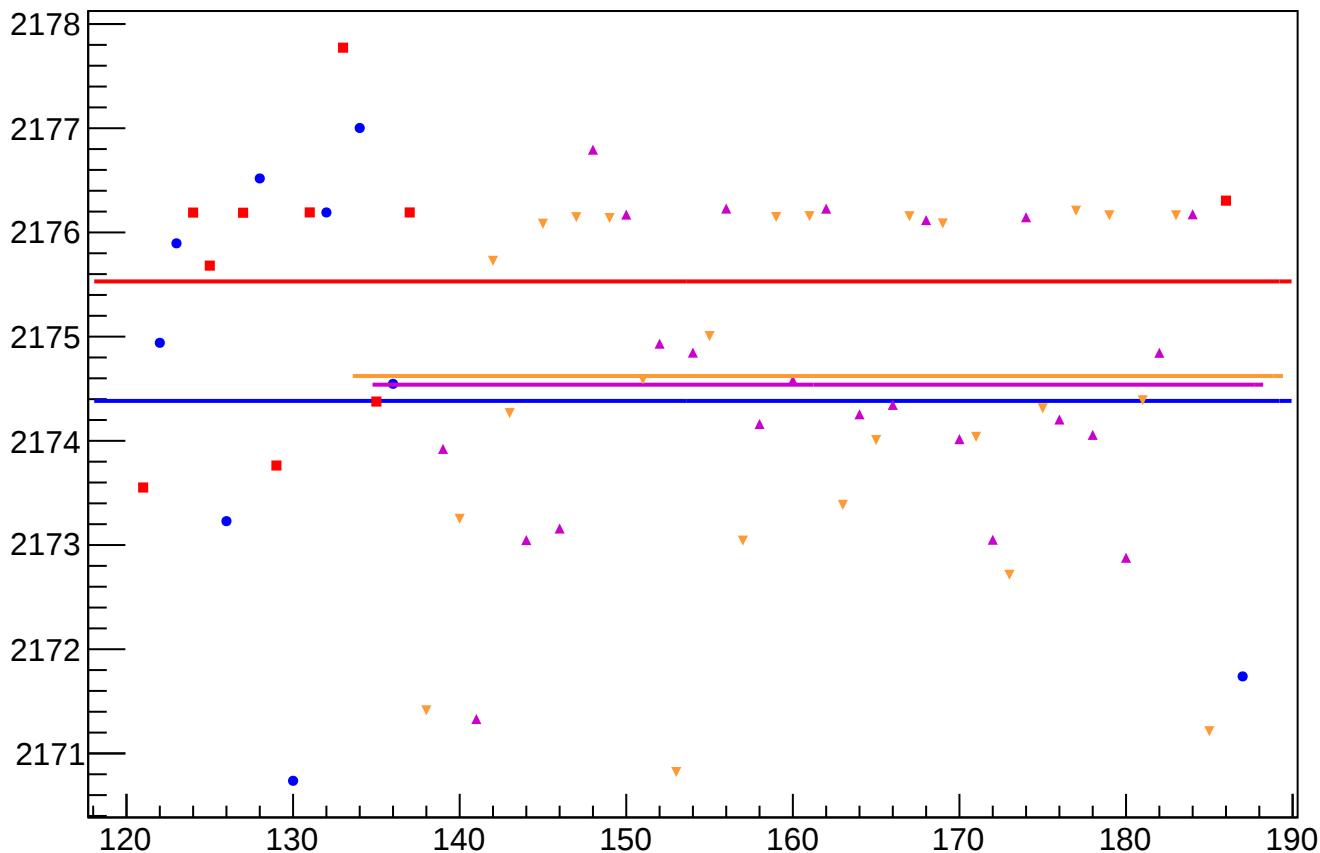
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.325+/-0.000 χ^2/NDF : 1127329701318649

All: 88.331+/-0.000 χ^2/NDF : 2243014380072

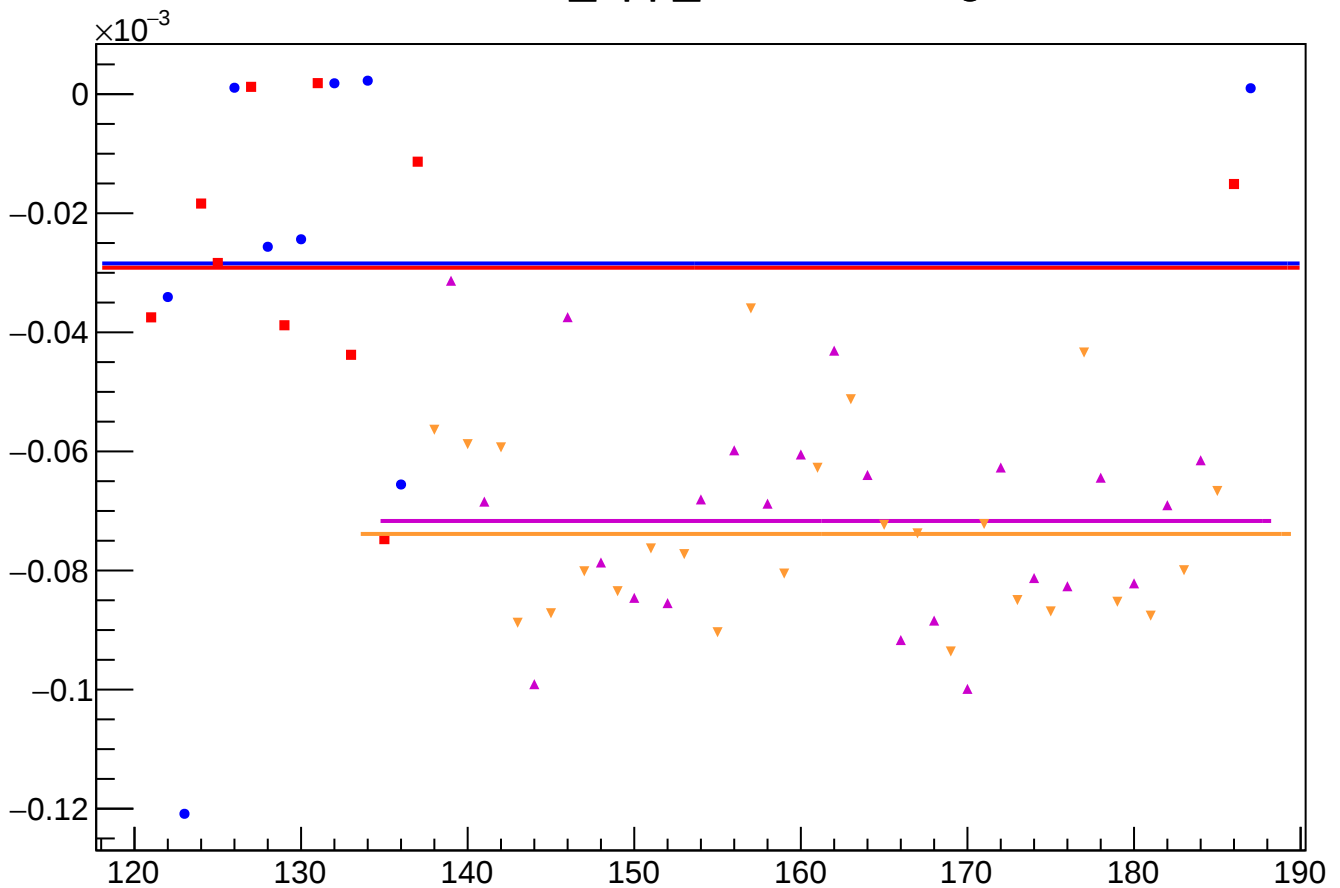
- sign 88.338+/-0.000 χ^2/NDF : 1115480461202102

HALLA_p_mean vs Slug



Right In: 2174.383+/-0.000	χ^2/NDF : 1405796628819333801699379119128576.0/8	+ sign 2174.585+/-0.000	χ^2/NDF : 65334479293596
Left Out: 2174.622+/-0.000	χ^2/NDF : 5110578135476093110874911595823104.0/24	All: 2174.642+/-0.000	χ^2/NDF : 1087631949
Right Out: 2175.530+/-0.000	χ^2/NDF : 635454900926319334322921220866048.0/9	- sign 2174.701+/-0.000	χ^2/NDF : 43277557292147
Left In: 2174.539+/-0.000	χ^2/NDF : 3400742562425168967494665391570944.0/22		

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 263143887445358798700544.0/8

Left Out: -0.000 ± 0.000 χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 203905439167963289616384.0/9

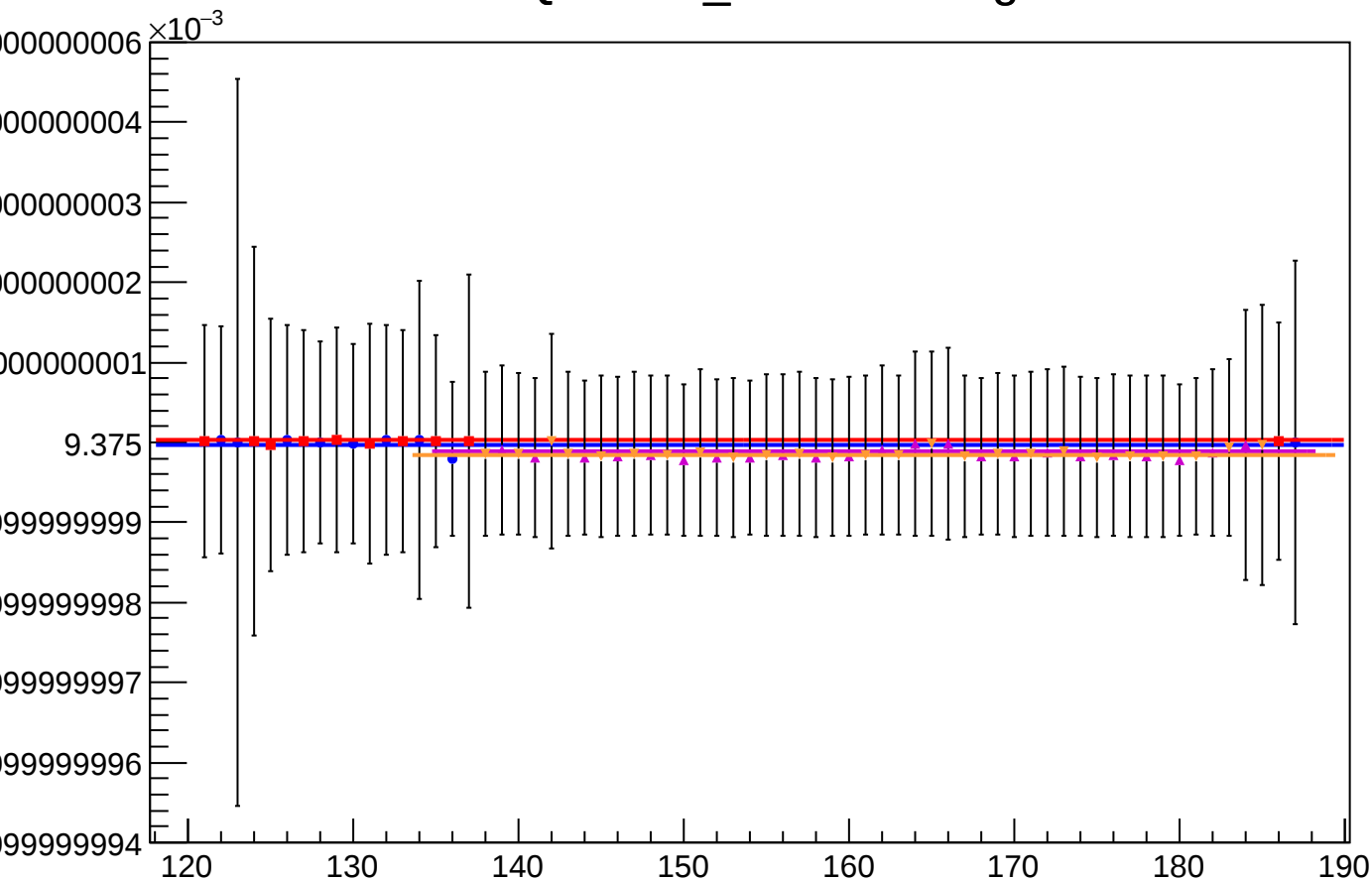
Left In: -0.000 ± 0.000 χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 1331228647841289

All: -0.000 ± 0.000 χ^2/NDF : 2638857198147

- sign -0.000 ± 0.000 χ^2/NDF : 1303070644662565

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/9

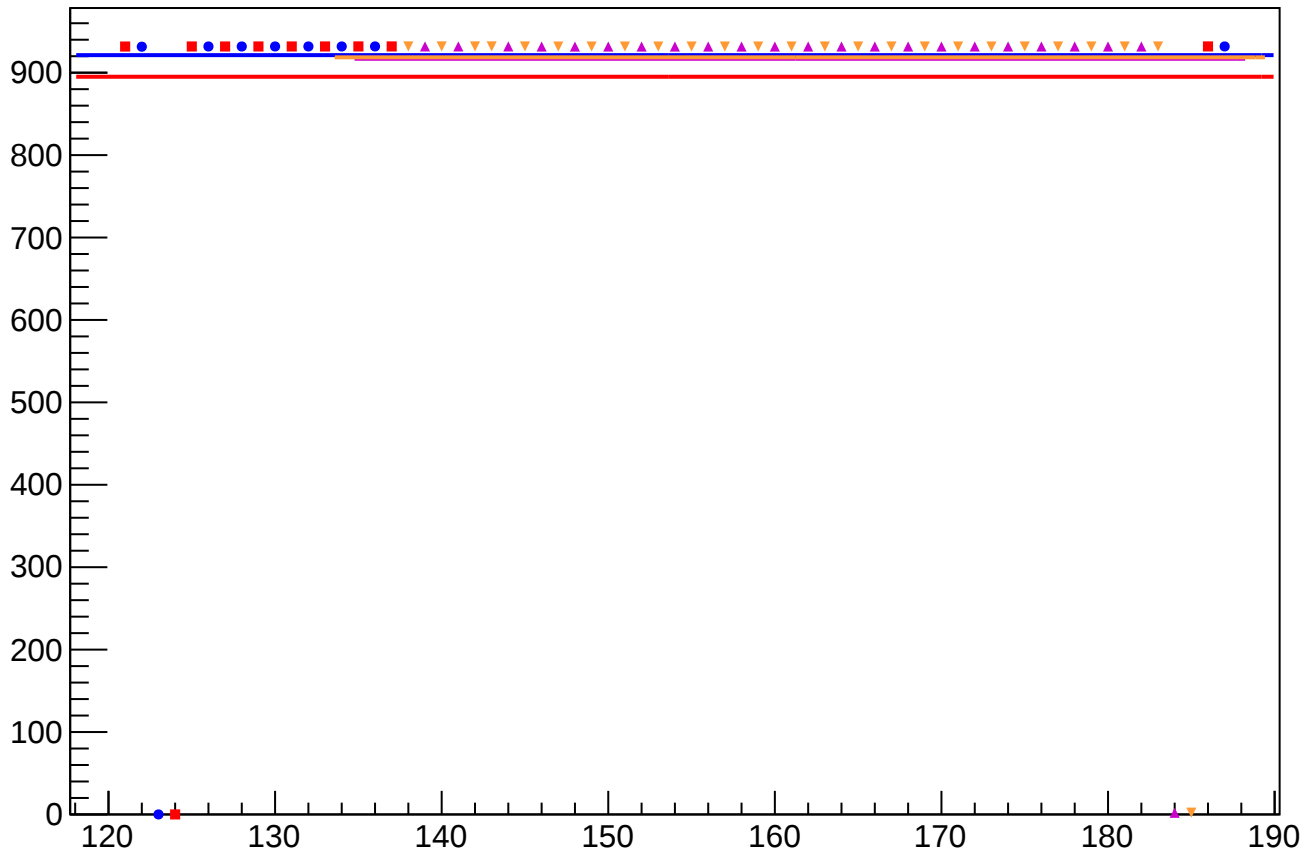
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/66

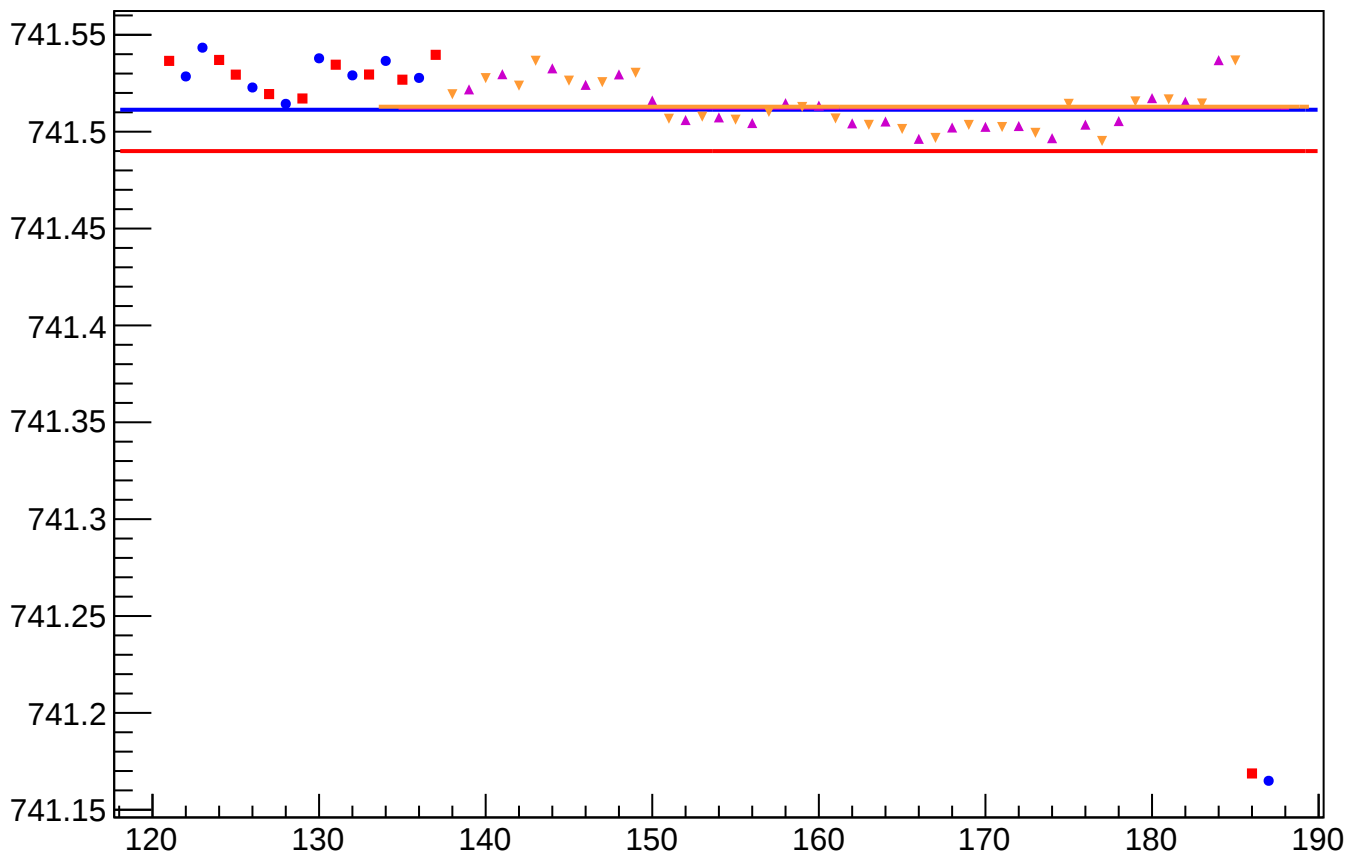
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 921.299+/-0.000 χ^2/NDF : 3433629787852226580171132971576721408.0/8
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 895.076+/-0.000 χ^2/NDF : 11675926731367361880524807293248733184.0/9
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 916.252+/-0.000 χ^2/NDF : 629608481073
 + sign 919.061+/-0.000 χ^2/NDF : 264392373156556
 - sign 913.315+/-0.000 χ^2/NDF : 364850545361983

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.511+/-0.000 χ^2/NDF : 2028616892104374725962348101632.0/8

Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24

Right Out: 741.490+/-0.000 χ^2/NDF : 4408129519430321010793282273280.0/9

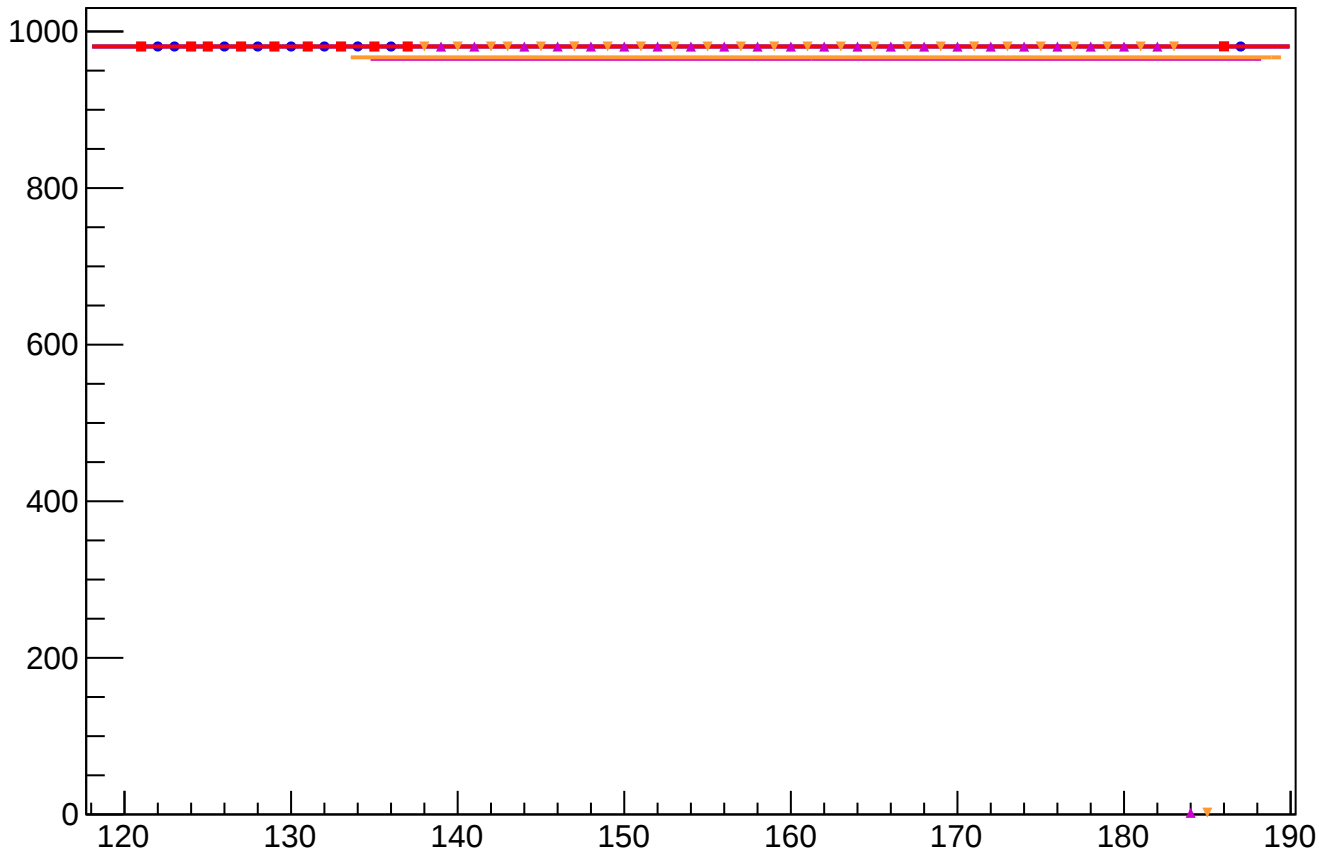
Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 741.513+/-0.000 χ^2/NDF : 227413402685969

All: 741.511+/-0.000 χ^2/NDF : 706325047111

- sign 741.509+/-0.000 χ^2/NDF : 477145031018245

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 163223523601942808368343154688.0/8

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.840+/-0.000 χ^2/NDF : 1545733700353009628695192666112.0/9

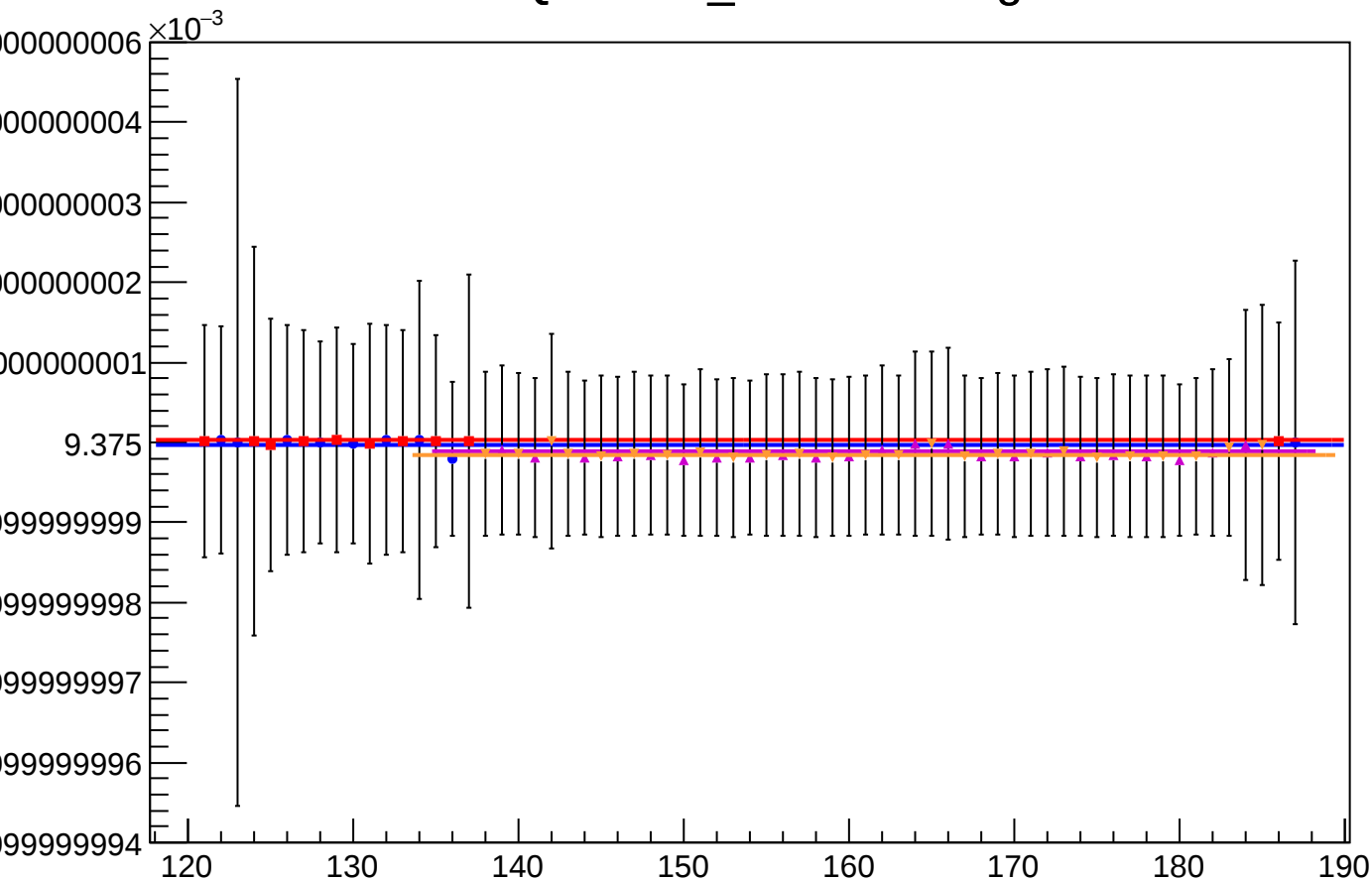
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 969.113+/-0.000 χ^2/NDF : 255433233667671

All: 968.413+/-0.000 χ^2/NDF : 52949426859

- sign 967.681+/-0.000 χ^2/NDF : 274038352036378

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/9

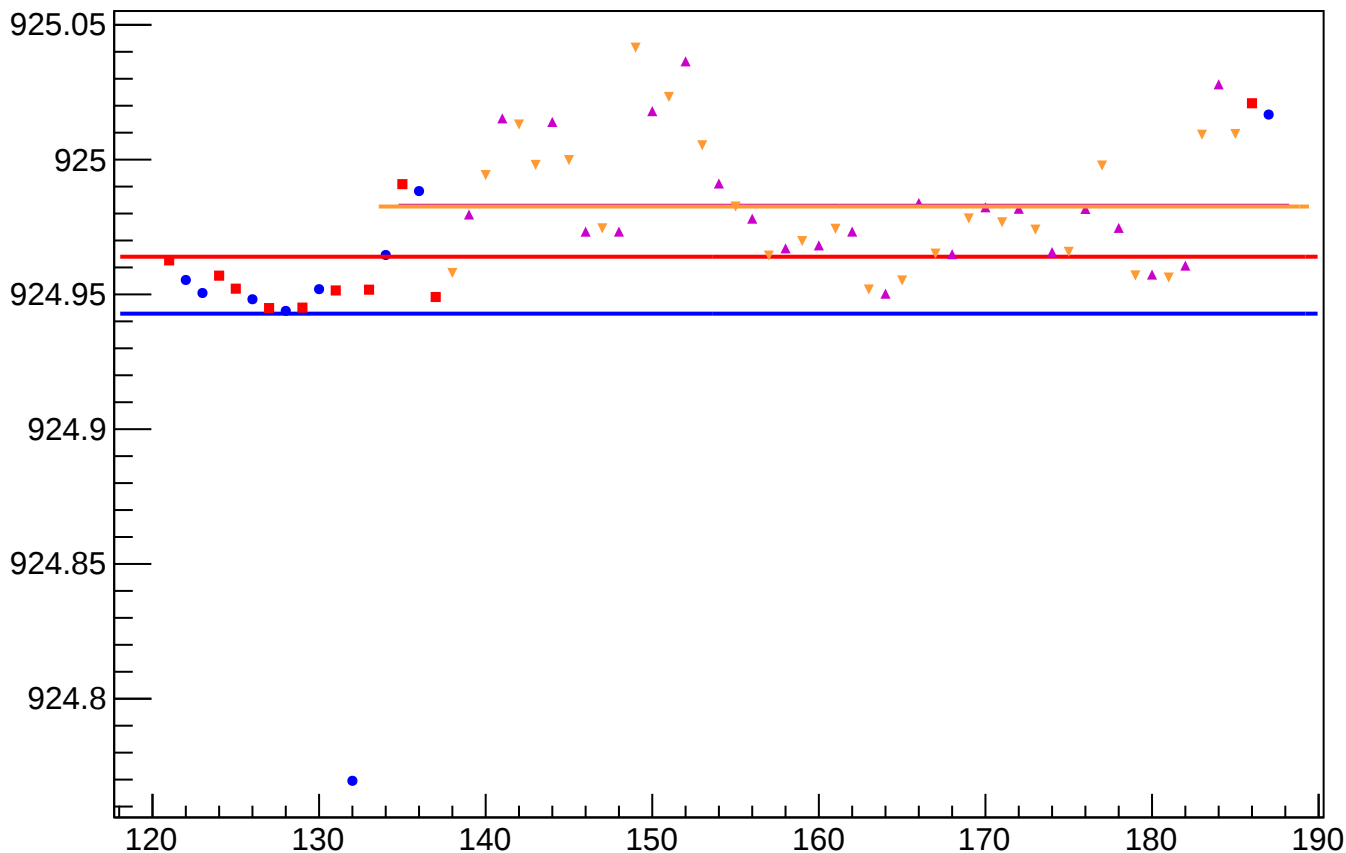
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/66

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.943 $\pm$ 0.000 χ^2 /NDF: 1492790451787397840510971281408.0/8

Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24

Right Out: 924.964 $\pm$ 0.000 χ^2 /NDF: 209678956766401229883231436800.0/9

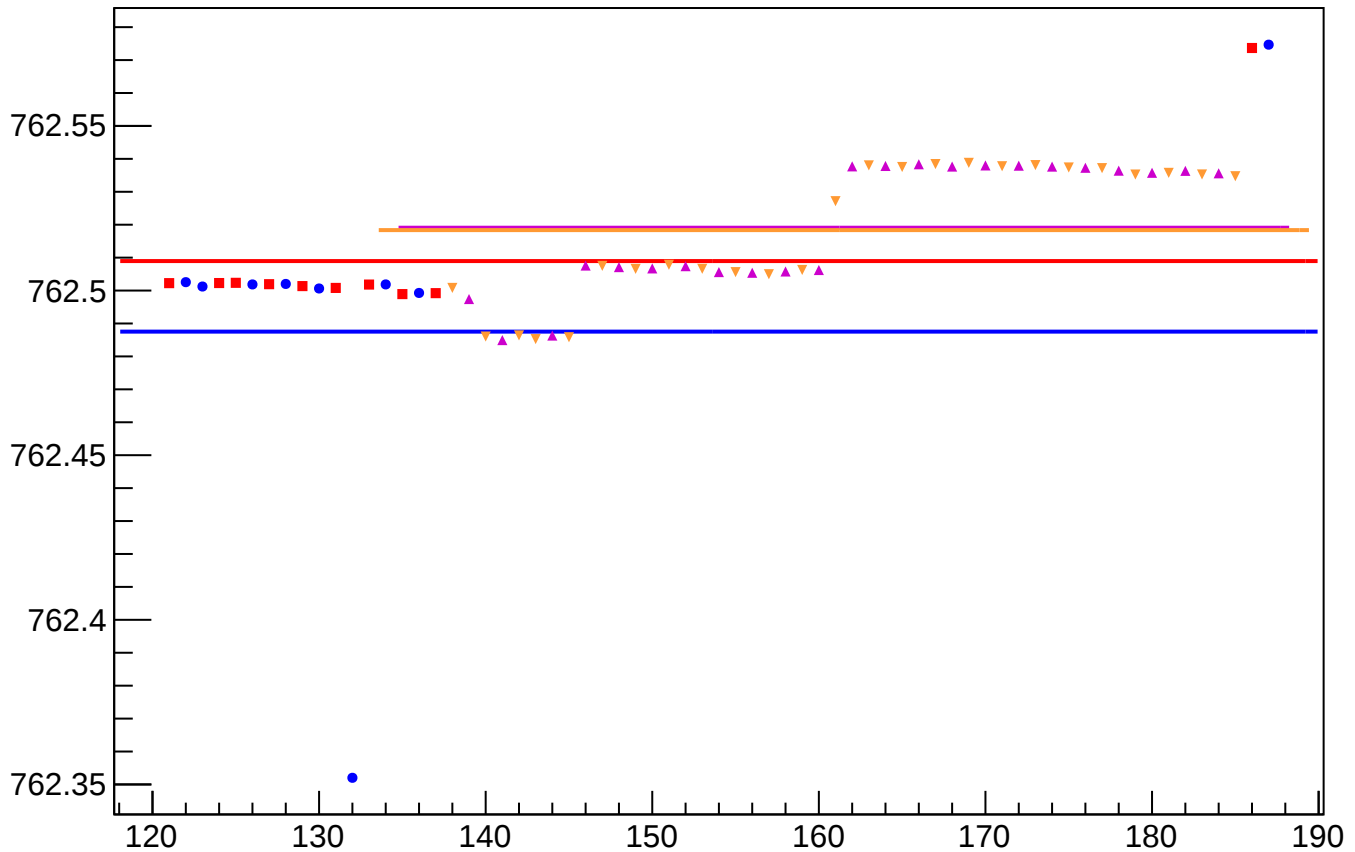
Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22

+ sign 924.976 $\pm$ 0.000 χ^2 /NDF: 300749472634088.0/24

All: 924.978 $\pm$ 0.000 χ^2 /NDF: 422488127747.0/24

- sign 924.980 $\pm$ 0.000 χ^2 /NDF: 120440918922759.0/24

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.488 ± 0.000 χ^2/NDF : 910710279635233688195426156544.0/8

Left Out: 762.518 ± 0.000 χ^2/NDF : 731741258759628909874415403008.0/24

Right Out: 762.509 ± 0.000 χ^2/NDF : 178678150568968810217189933056.0/9

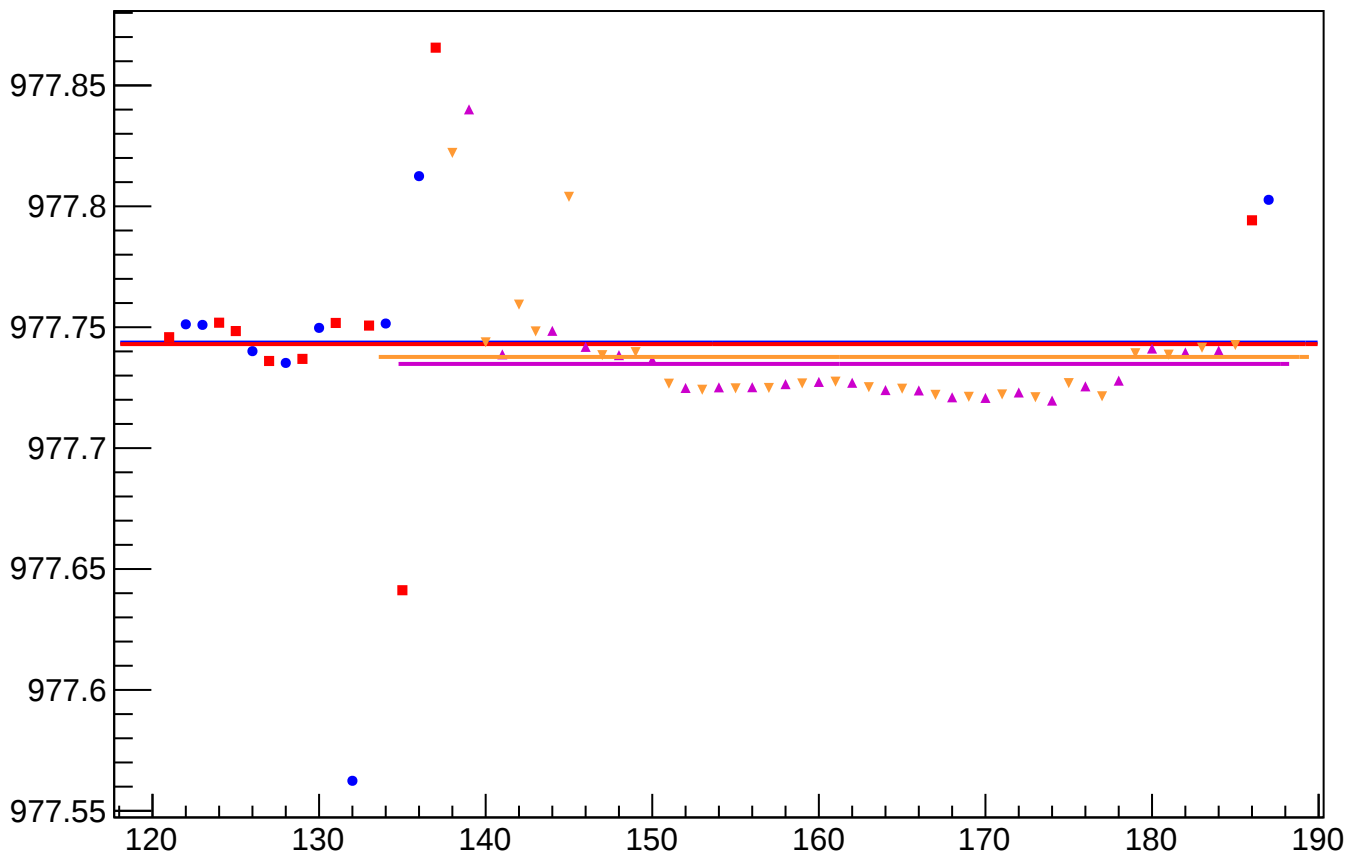
Left In: 762.519 ± 0.000 χ^2/NDF : 629058355419214408155297480704.0/22

+ sign 762.514 ± 0.000 χ^2/NDF : 192697190426807

All: 762.515 ± 0.000 χ^2/NDF : 27819556600

- sign 762.517 ± 0.000 χ^2/NDF : 838173694219581

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.744+/-0.000 χ^2/NDF : 1796434142186154749184889061376.0/8

Left Out: 977.738+/-0.000 χ^2/NDF : 1154150409979077132991401558016.0/24

Right Out: 977.743+/-0.000 χ^2/NDF : 88349385928277767537323016192.0/9

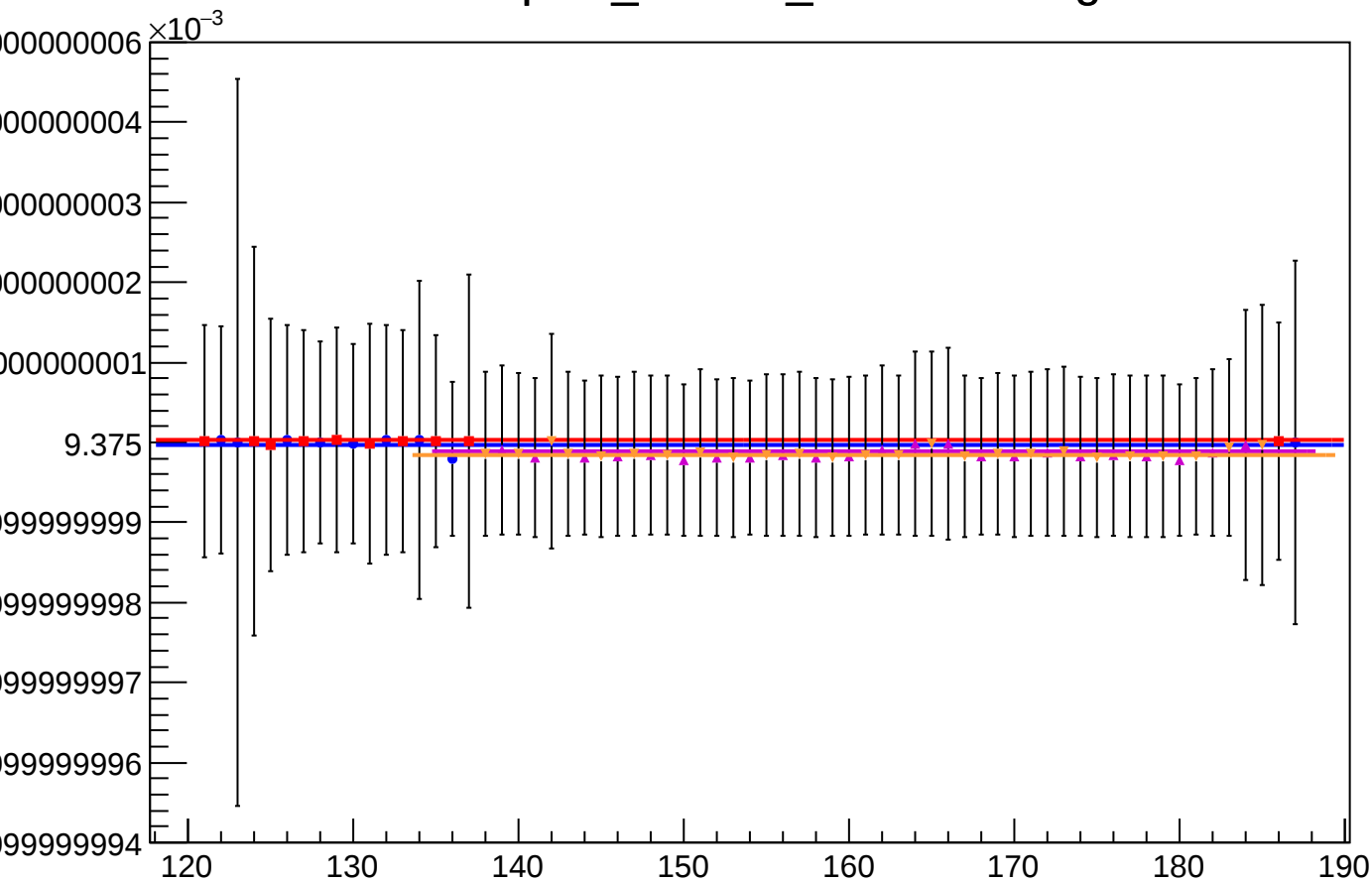
Left In: 977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22

+ sign 977.739+/-0.000 χ^2/NDF : 296113586993142

All: 977.737+/-0.000 χ^2/NDF : 48478556386

- sign 977.736+/-0.000 χ^2/NDF : 187993236353642

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/9

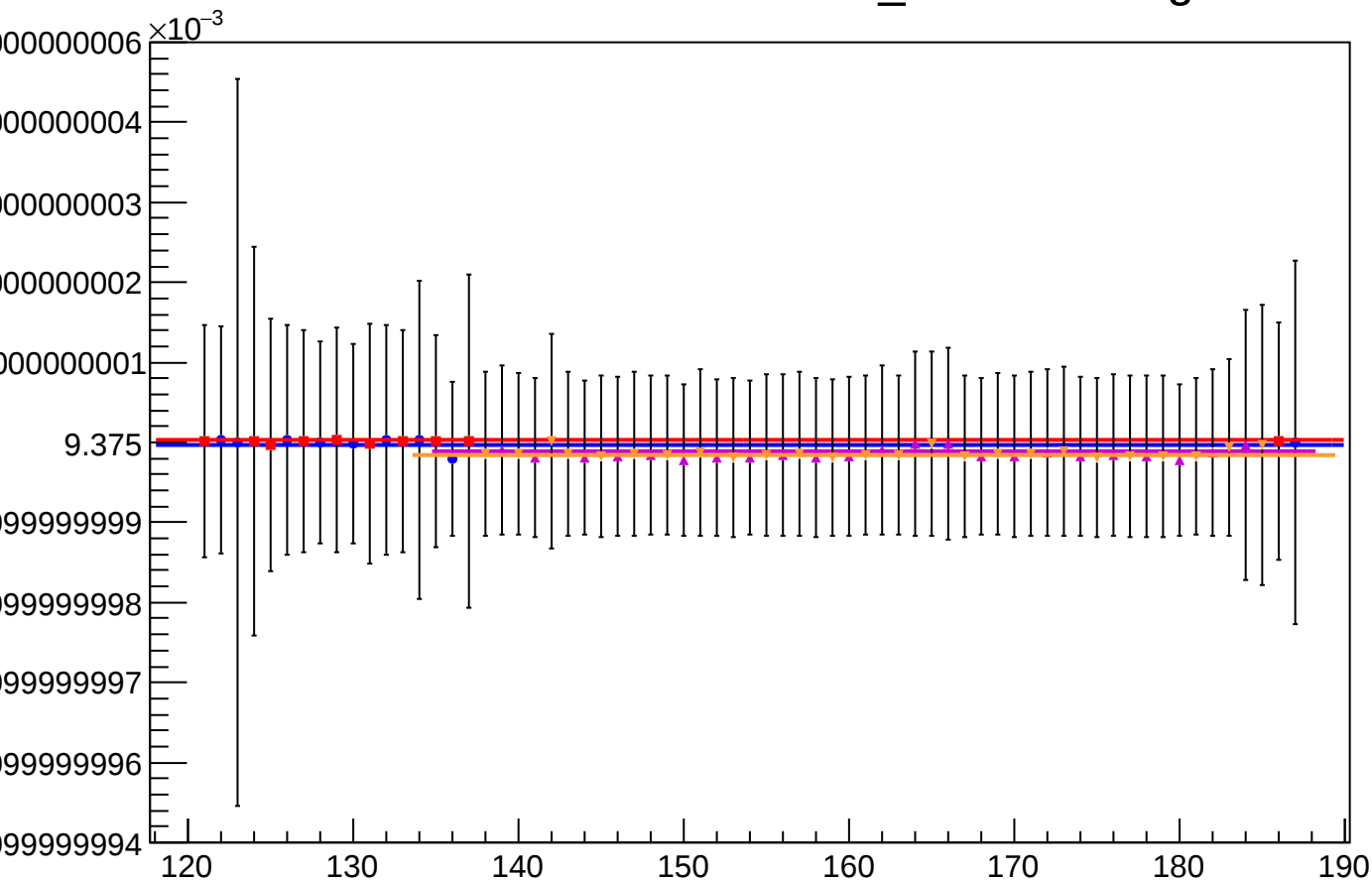
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/33

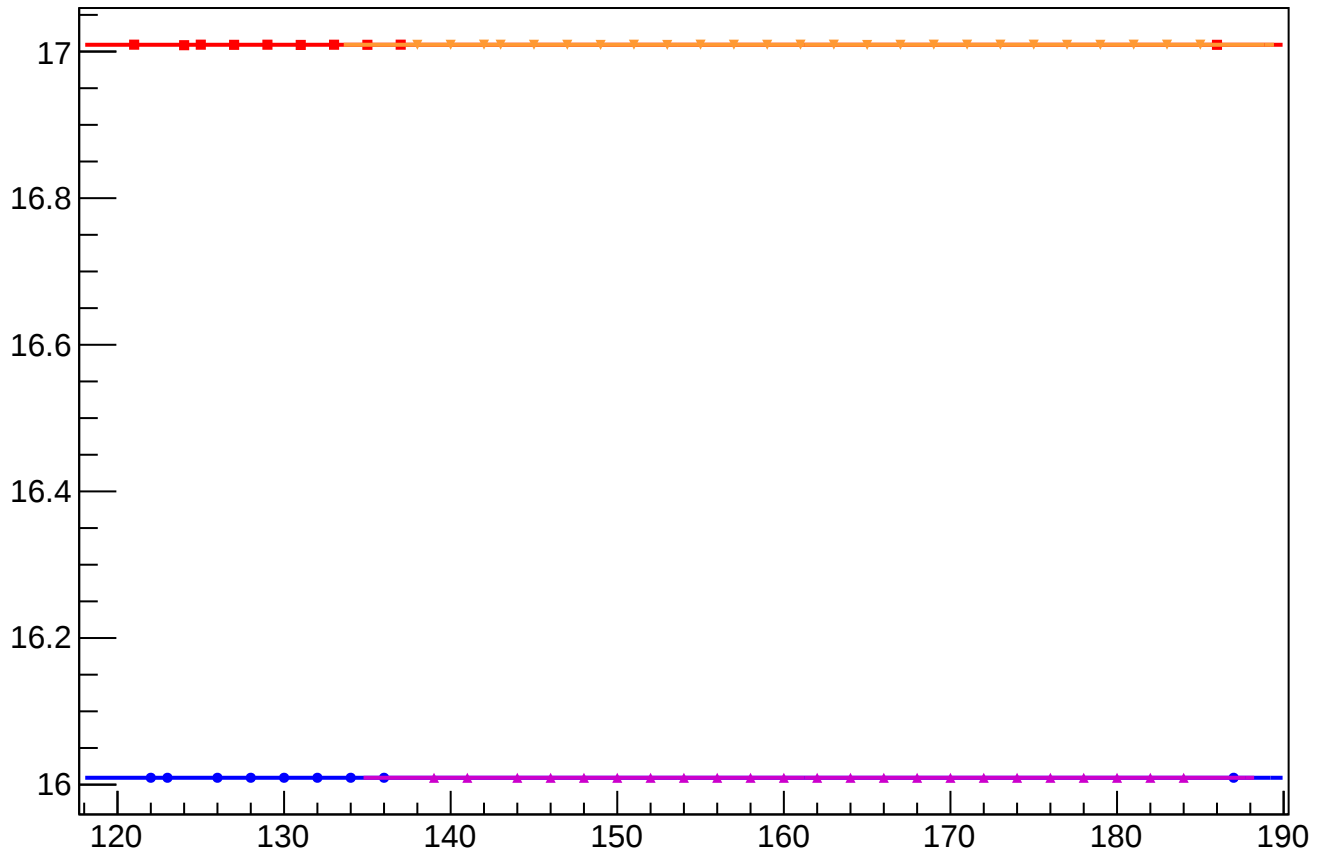
All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/66

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/32

MSUPERBIGBITereadcalc_mean vs Slug



IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 45981.1/8

Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24

Right Out: 17.009+/-0.000 χ^2/NDF : 8483717668631655053524992.0/9

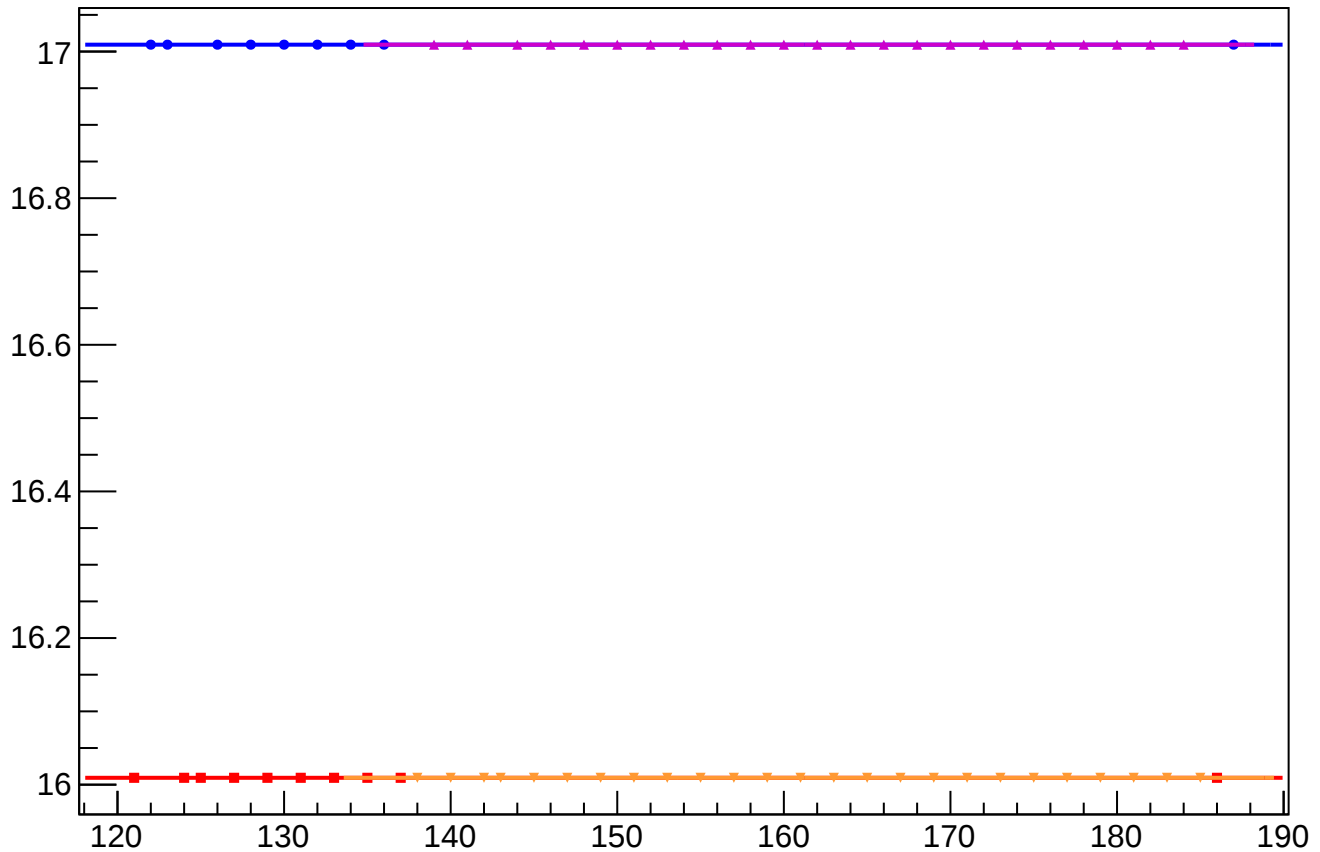
Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.853+/-0.000 χ^2/NDF : 2774940944678575

All: 16.522+/-0.000 χ^2/NDF : 1030636657693

- sign 16.177+/-0.000 χ^2/NDF : 2820851171537994

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 77371.5/8

Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24

Right Out: 16.009+/-0.000 χ^2/NDF : 18276.3/9

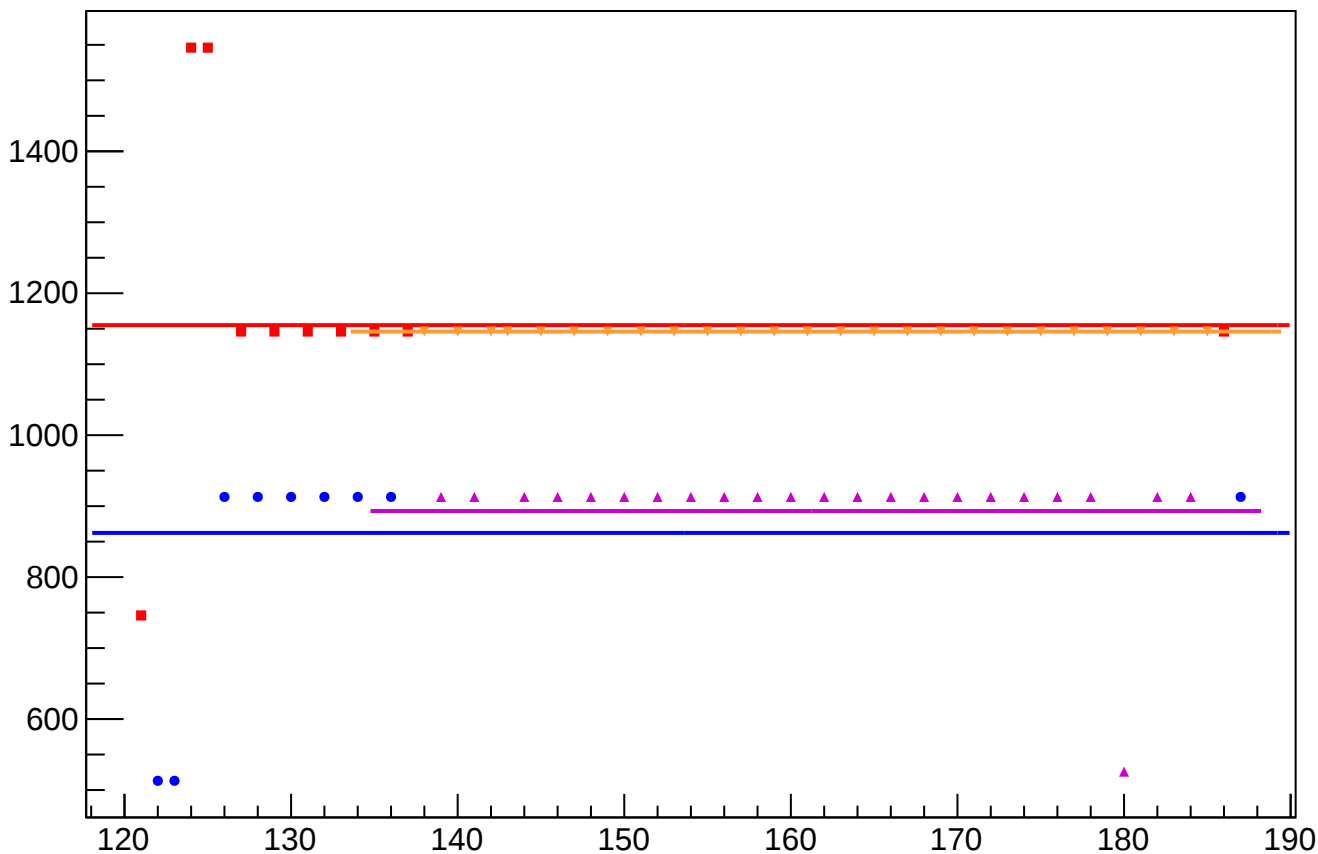
Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.168+/-0.000 χ^2/NDF : 2987639446675553

All: 16.496+/-0.000 χ^2/NDF : 1089671479657

- sign 16.842+/-0.000 χ^2/NDF : 2955812265421467

RTPAPOSUCNT_mean vs Slug



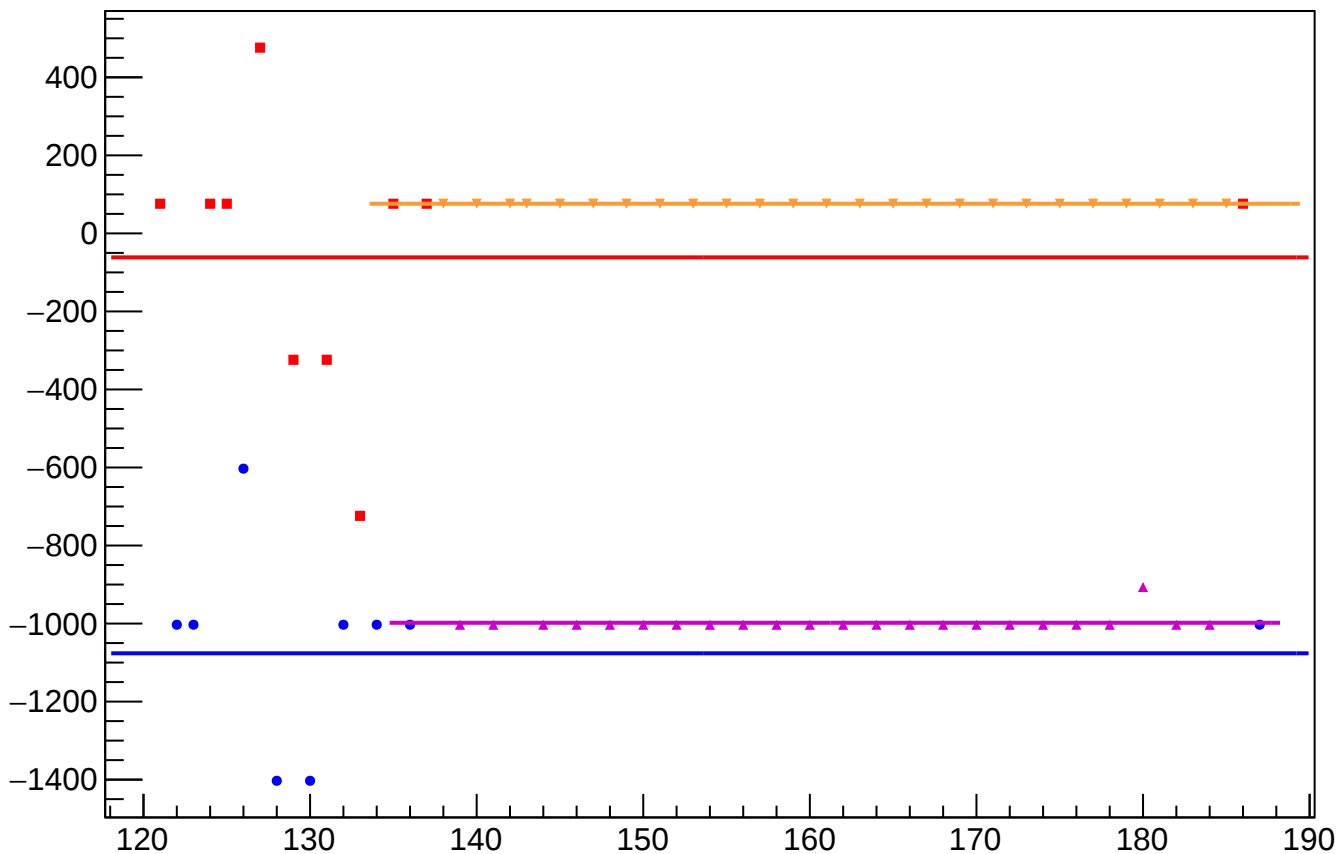
Right In: 862.288+/-0.000 χ^2/NDF : 6287383554096374754523801651018465280.0/8

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24 + sign 1101.542+/-0.000 χ^2/NDF : 30385477100672

Right Out: 1155.024+/-0.000 χ^2/NDF : 13731821965068823961882039392053231616.0/9 All: 1020.641+/-0.000 χ^2/NDF : 1080239214

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22 - sign 936.042+/-0.000 χ^2/NDF : 473119521617768

RTPAPOSVCNT_mean vs Slug



Right In: -1076.228+/-0.000 χ^2/NDF : 21295452367166071100202855617009811456.0/8

Left Out: 76.011+/-0.000 χ^2/NDF : 11003263624957134120836661248.0/24 + sign -104.583+/-0.000 χ^2/NDF : 41874216847823

Right Out: -61.455+/-0.000 χ^2/NDF : 40331405056708569824943484777946677248.0/9 All: -466.286+/-0.000 χ^2/NDF : 13264526451

Left In: -998.020+/-0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22 - sign -844.520+/-0.000 χ^2/NDF : 301511776491582