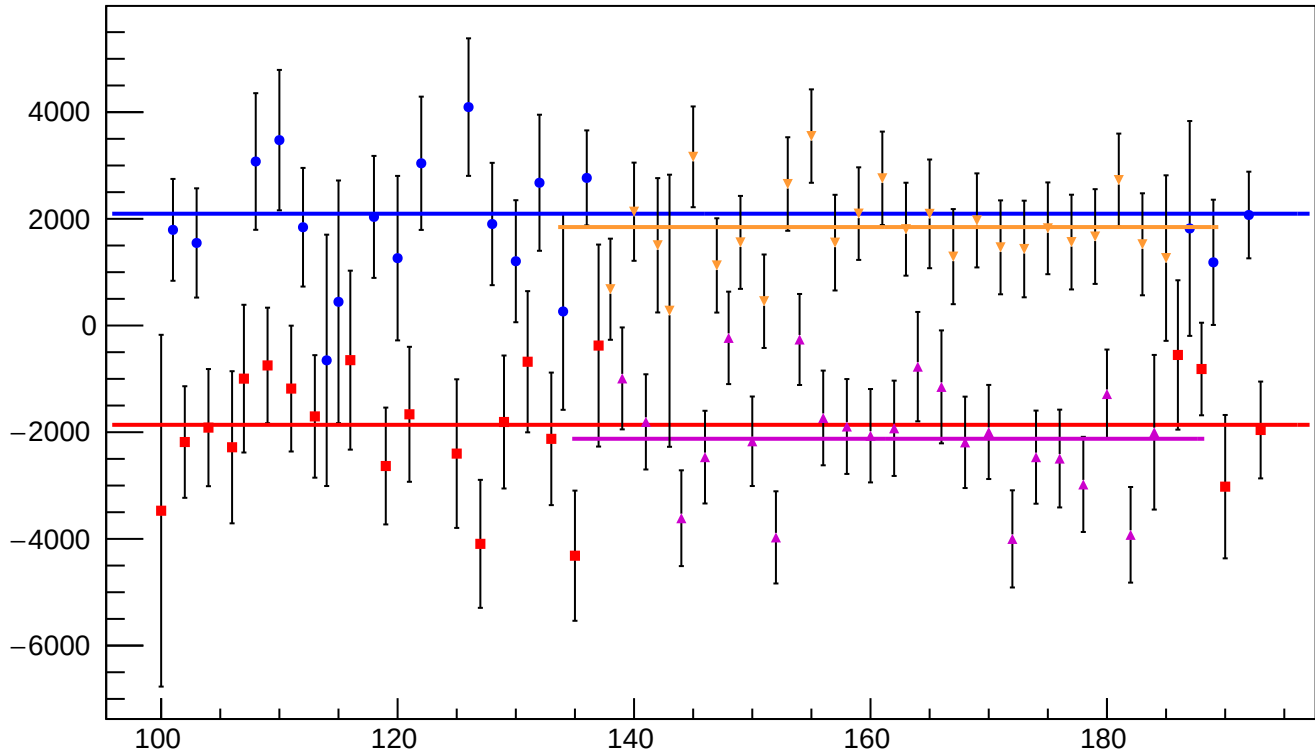


reg_asym_us_avg_mean vs Slug



Right In: 2096.211+/-277.038

χ^2/NDF : 10.3/18

Left Out: 1845.799+/-186.902

χ^2/NDF : 15.5/24

Right Out: -1861.493+/-261.527

χ^2/NDF : 15.5/21

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 1924.124+/-154.939

χ^2/NDF : 26.4/43

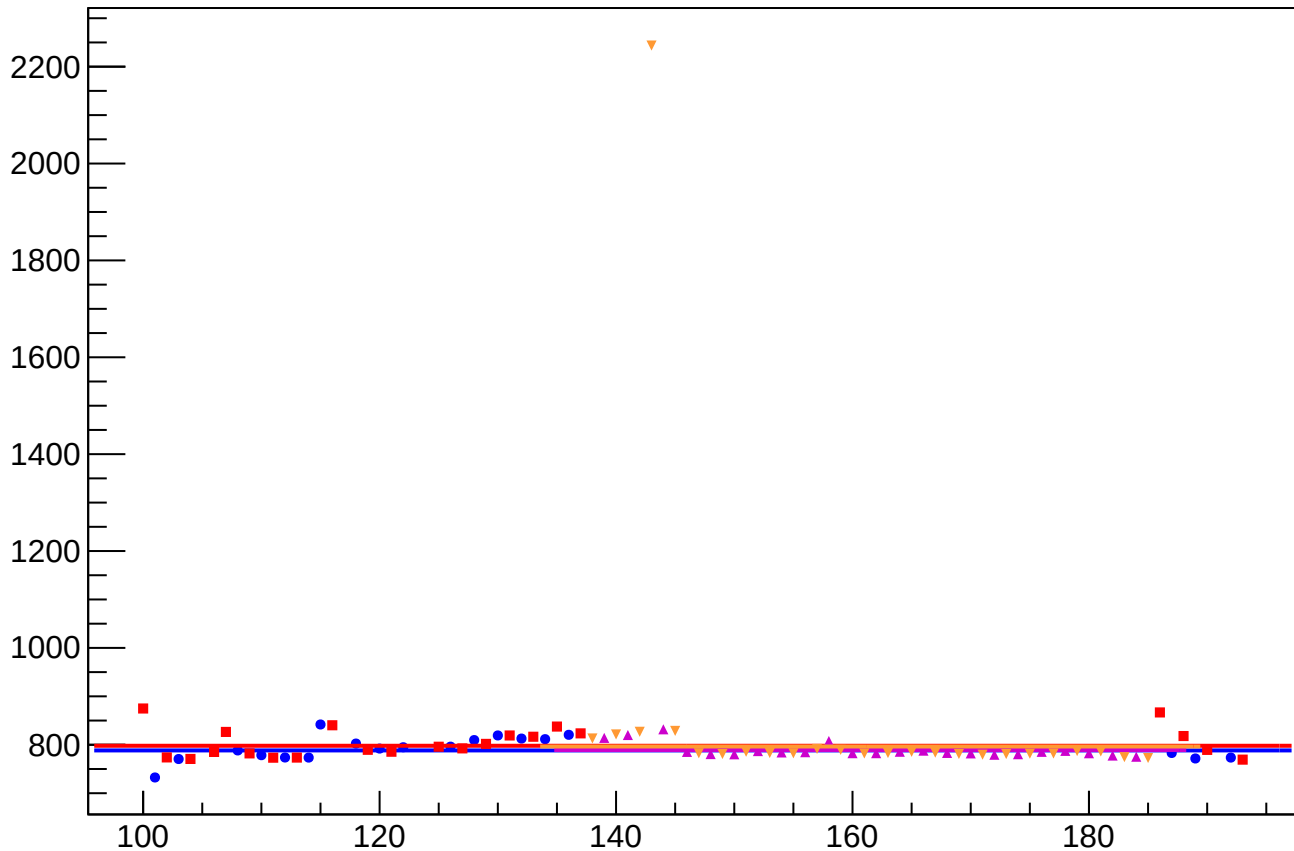
All: -79.422+/-108.872

χ^2/NDF : 404.8/88

- sign -2033.569+/-153.017

χ^2/NDF : 48.1/44

reg_asym_us_avg_rms vs Slug



Right In: 788.332 $\pm$ 0.196 χ^2 /NDF: 16440.0/18

Left Out: 796.441 $\pm$ 0.132 χ^2 /NDF: 658708.8/24

Right Out: 797.949 $\pm$ 0.185 χ^2 /NDF: 19638.8/21

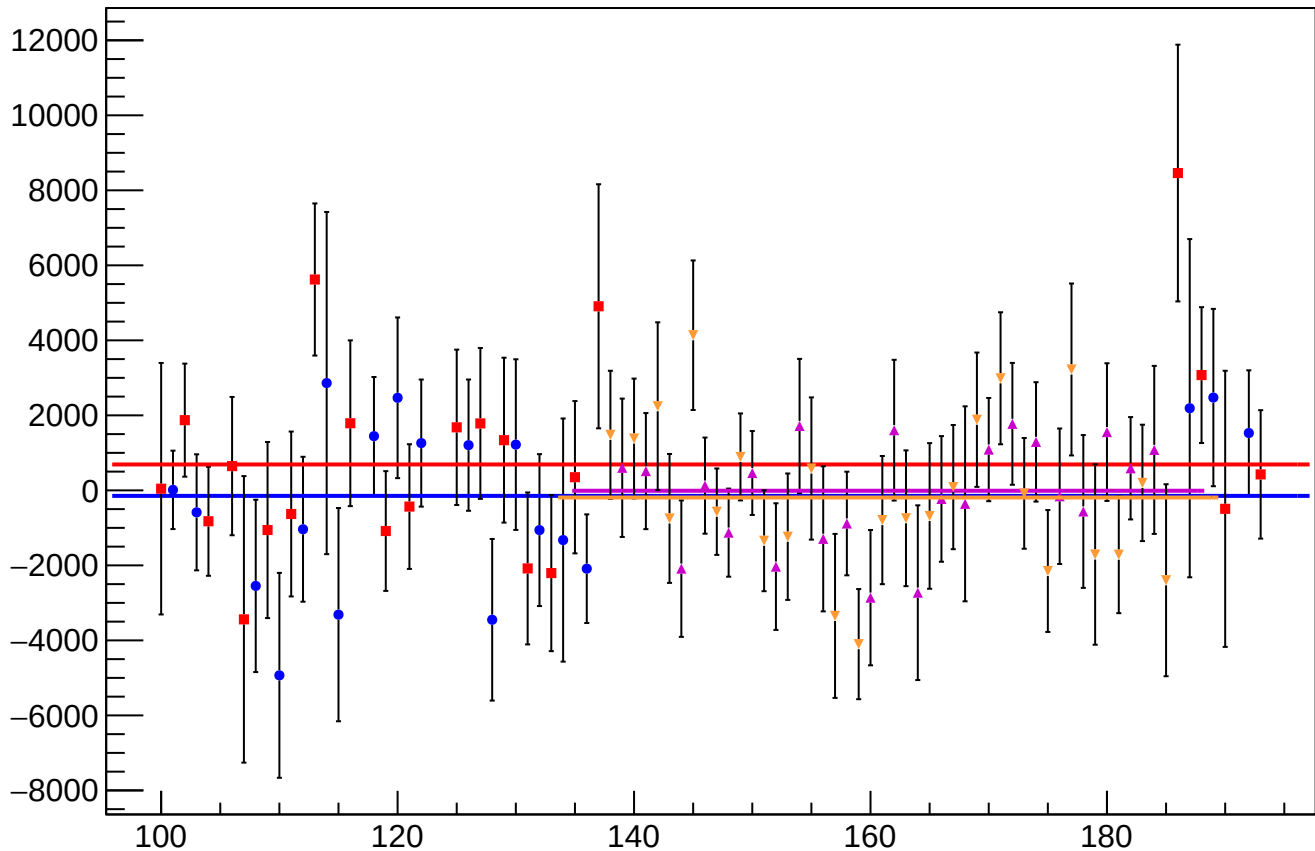
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

+ sign 793.904 $\pm$ 0.110 χ^2 /NDF: 676326.3/43

All: 793.034 $\pm$ 0.077 χ^2 /NDF: 708910.1/88

- sign 792.185 $\pm$ 0.108 χ^2 /NDF: 32459.1/44

asym_us_avg_correction_mean vs Slug



Right In: -146.931 $\pm$ 438.469 χ^2 /NDF: 17.3/18

Left Out: -191.027 $\pm$ 333.904 χ^2 /NDF:30.1/24

Right Out: 690.751 $\pm$ 436.053 χ^2 /NDF: 24.8/21

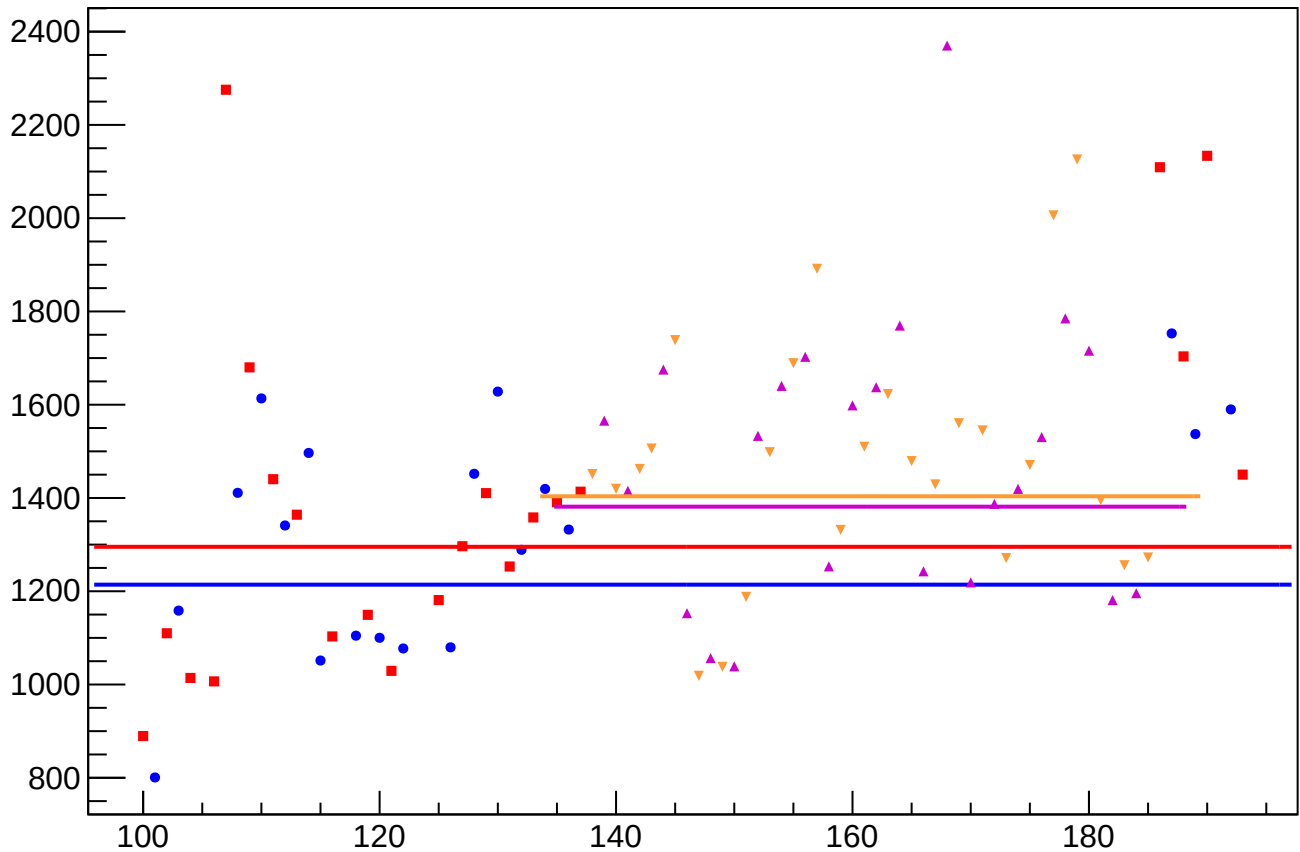
Left In: -10.093 $\pm$ 337.810 χ^2 /NDF:14.2/22

+ sign -174.842 $\pm$ 265.647 χ^2 /NDF: 47.4/43

All: 37.838 $\pm$ 188.334 χ^2 /NDF: 89.3/88

- sign 252.768 $\pm$ 267.049 χ^2 /NDF: 40.6/44

asym_us_avg_correction_rms vs Slug



Right In: 1214.144+/-0.310 χ^2/NDF : 717329.4/18

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

Right Out: 1295.301+/-0.308 χ^2/NDF : 819076.8/21

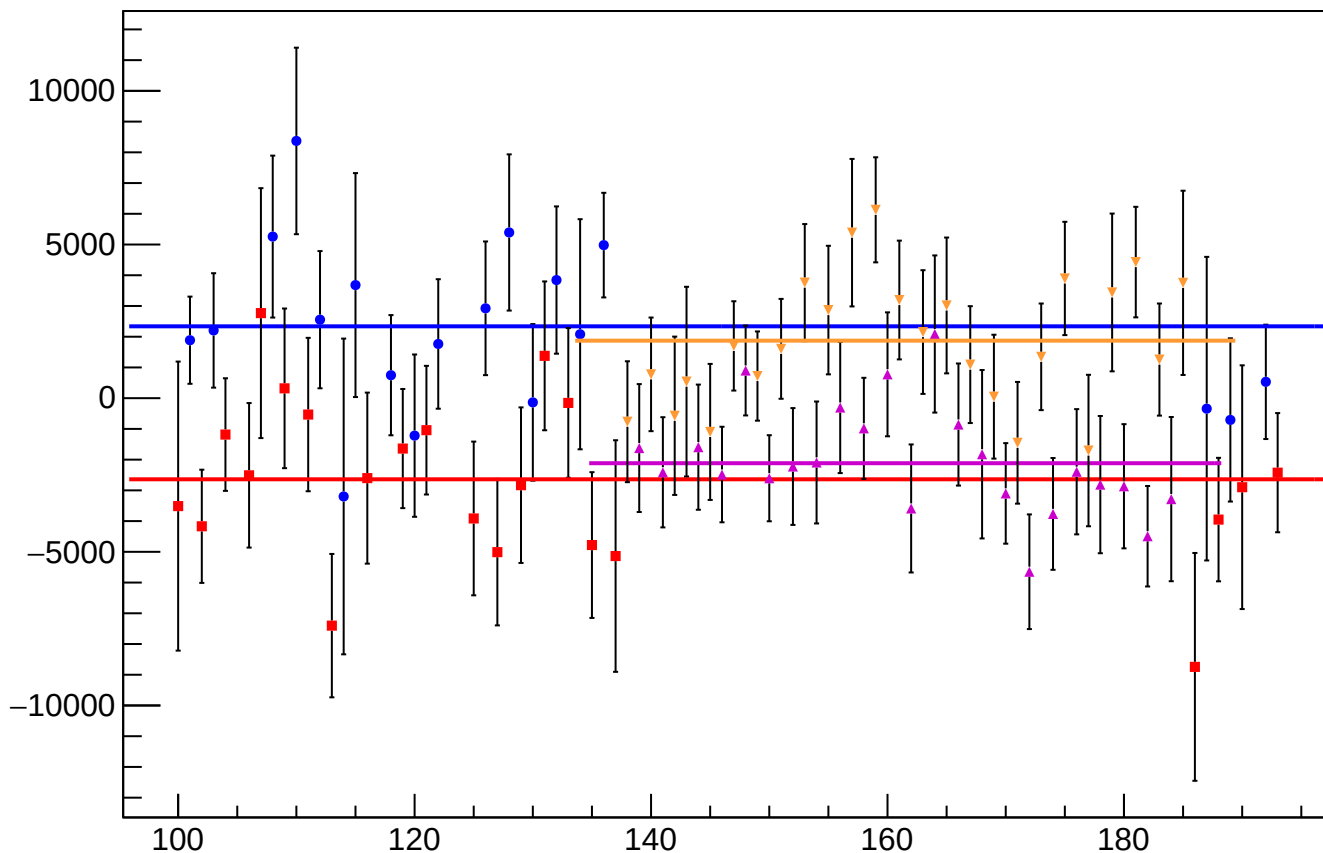
Left In: 1381.359+/-0.239 χ^2/NDF :1276488.2/22

+ sign 1334.065+/-0.188 χ^2/NDF : 2080217.3/43

All: 1341.534+/-0.133 χ^2/NDF : 4227642.6/88

- sign 1349.082+/-0.189 χ^2/NDF : 2144246.8/44

asym_us_avg_mean vs Slug



Right In: 2338.078 ± 529.660 $\chi^2/\text{NDF}: 17.0/18$

Left Out: 1871.638 ± 391.684 $\chi^2/\text{NDF}: 26.1/24$

Right Out: -2639.750 ± 518.172 $\chi^2/\text{NDF}: 19.6/21$

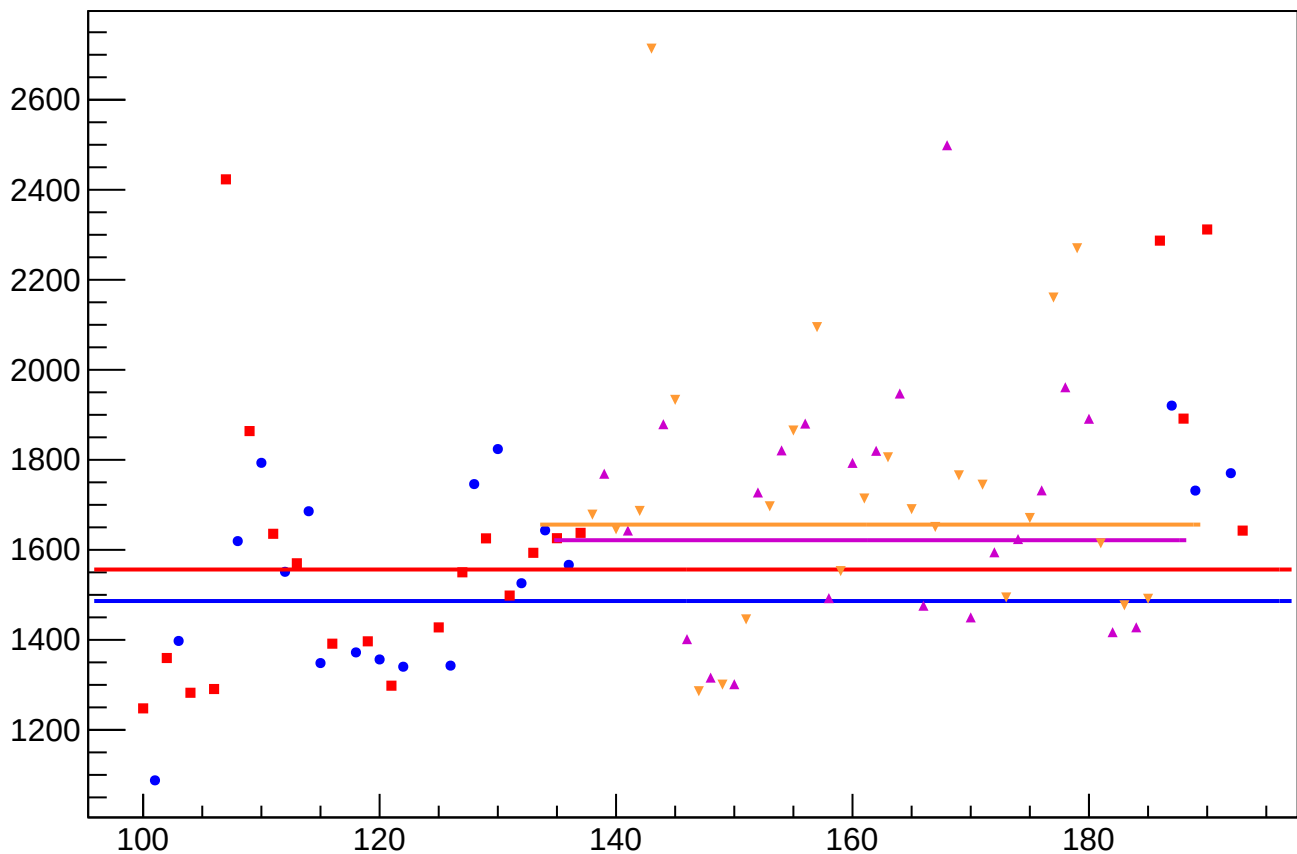
Left In: -2116.114 ± 392.997 $\chi^2/\text{NDF}: 18.8/22$

+ sign 2036.538 ± 314.927 $\chi^2/\text{NDF}: 43.6/43$

All: -147.852 ± 222.047 $\chi^2/\text{NDF}: 178.3/88$

- sign -2307.328 ± 313.126 $\chi^2/\text{NDF}: 39.0/44$

asym_us_avg_rms vs Slug



Right In: 1486.319 $\pm$ 0.375 χ^2 /NDF: 369110.4/18

Left Out: 1656.119 $\pm$ 0.277 χ^2 /NDF:910573.4/24

Right Out: 1556.324 $\pm$ 0.366 χ^2 /NDF: 494595.2/21

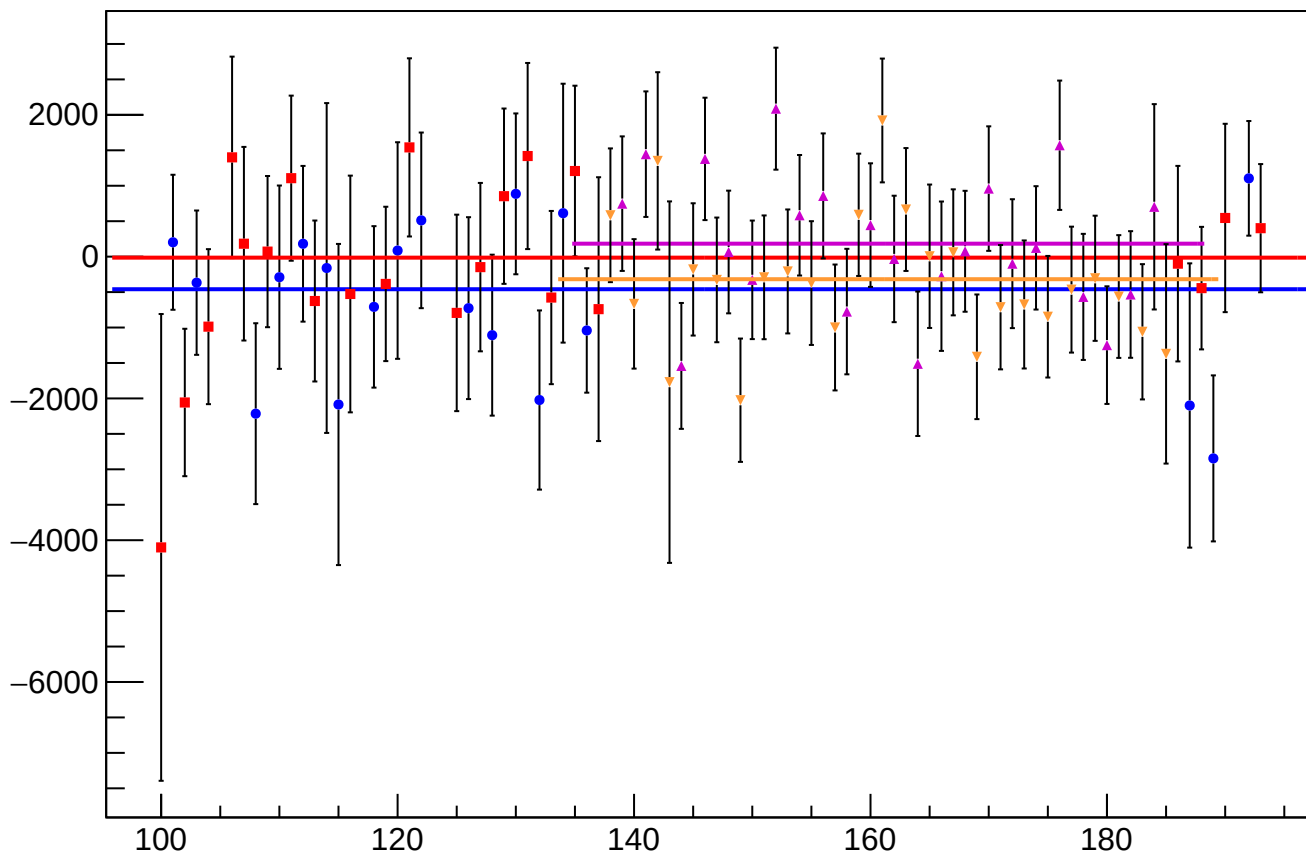
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF:775310.1/22

+ sign 1596.090 $\pm$ 0.223 χ^2 /NDF: 1412564.7/43

All: 1596.873 $\pm$ 0.157 χ^2 /NDF: 2702530.3/86

- sign 1597.647 $\pm$ 0.221 χ^2 /NDF: 1289941.0/44

reg_asym_us_dd_mean vs Slug



Right In: -459.699 ± 274.895 χ^2/NDF : 16.7/18

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

Right Out: -14.192 ± 259.230 χ^2/NDF : 14.2/21

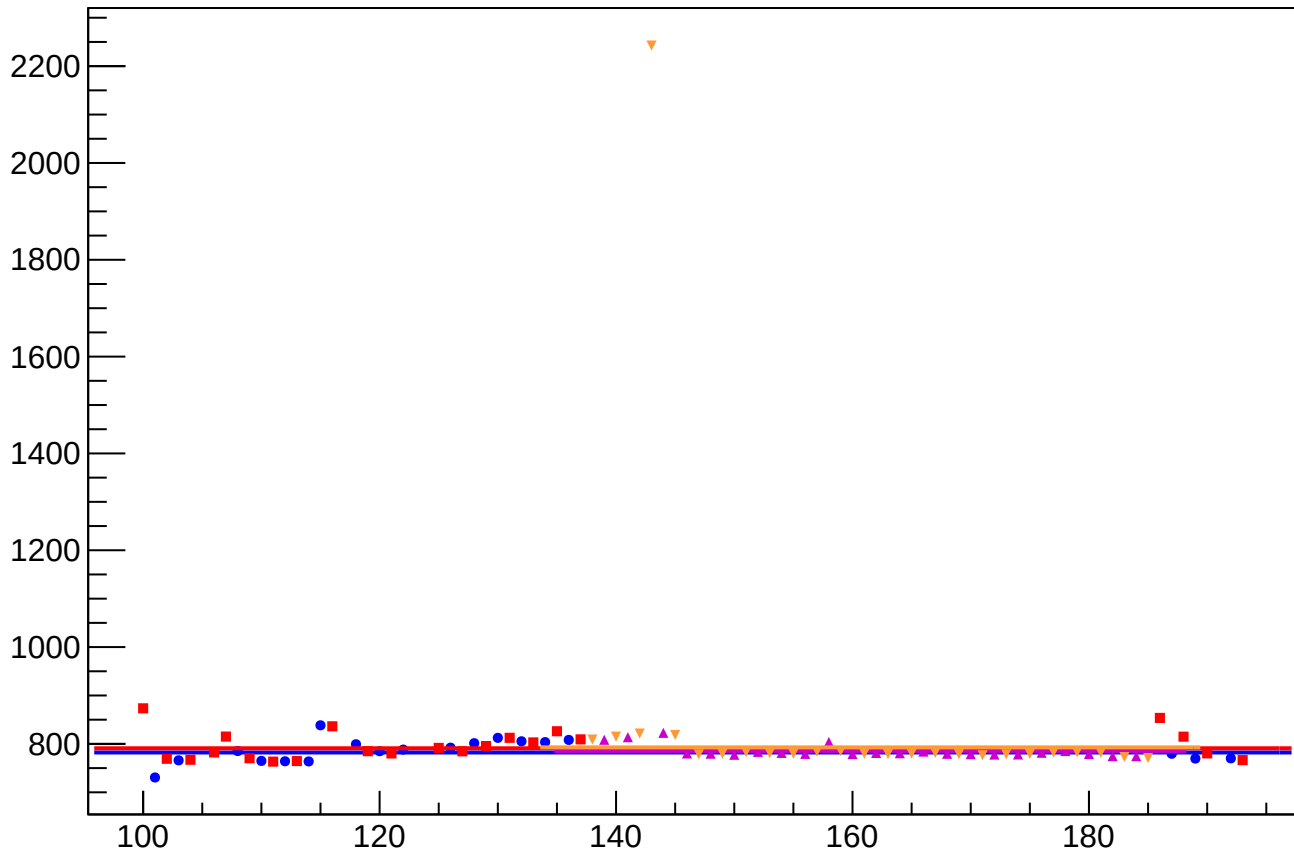
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -362.743 ± 154.073 χ^2/NDF : 37.3/43

All: -120.757 ± 108.239 χ^2/NDF : 82.9/88

- sign 115.052 ± 152.094 χ^2/NDF : 40.7/44

reg_asym_us_dd_rms vs Slug



Right In: 782.279 $\pm$ 0.194 χ^2 /NDF: 14646.2/18

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

Right Out: 790.985 $\pm$ 0.183 χ^2 /NDF: 18376.9/21

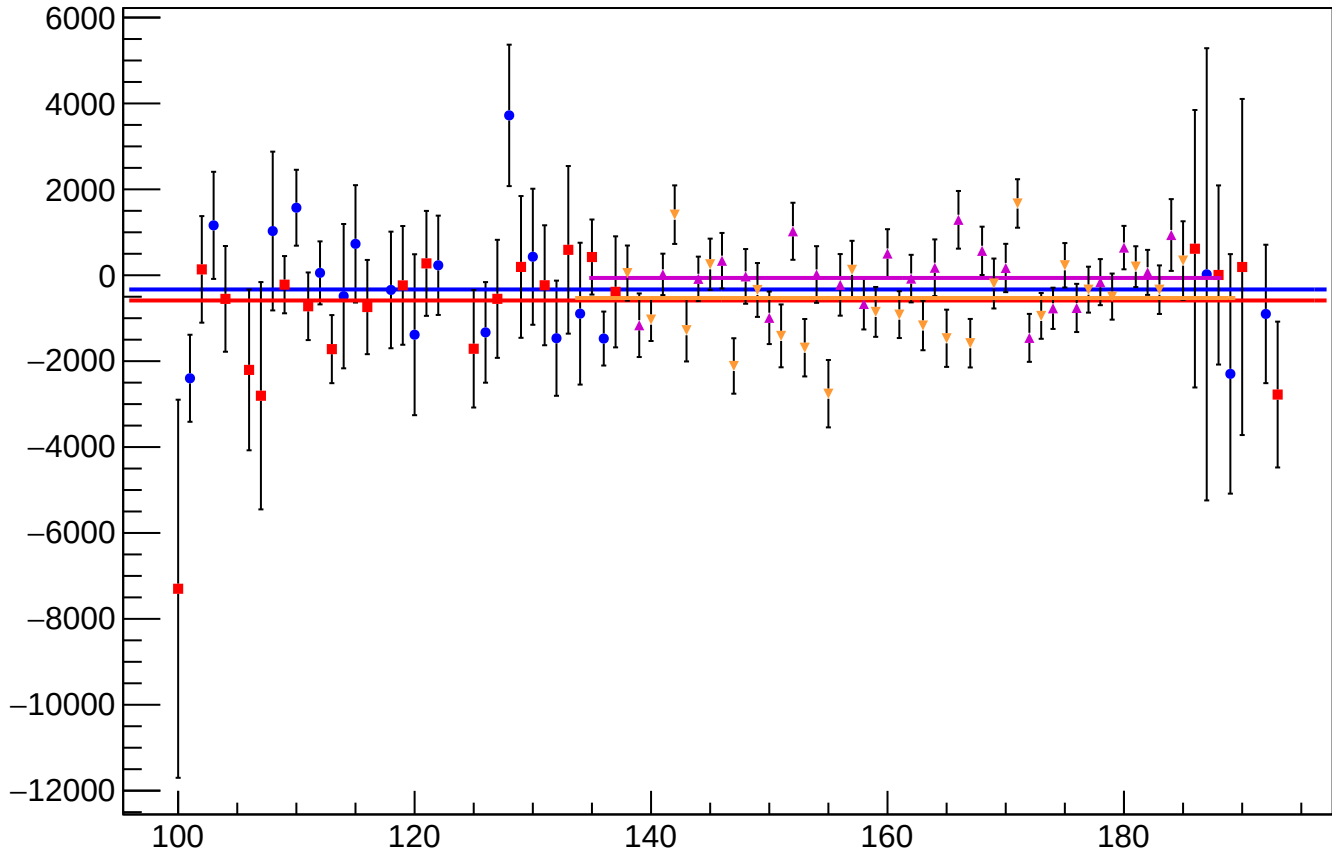
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF:9373.7/22

+ sign 789.489 $\pm$ 0.109 χ^2 /NDF: 676162.8/43

All: 788.455 $\pm$ 0.077 χ^2 /NDF: 704658.7/88

- sign 787.448 $\pm$ 0.108 χ^2 /NDF: 28318.2/44

asym_us_dd_correction_mean vs Slug



Right In: -330.639 ± 277.146 χ^2/NDF : 24.0/18

Left Out: -530.101 ± 119.543 χ^2/NDF : 61.6/24

Right Out: -587.340 ± 266.084 χ^2/NDF : 11.7/21

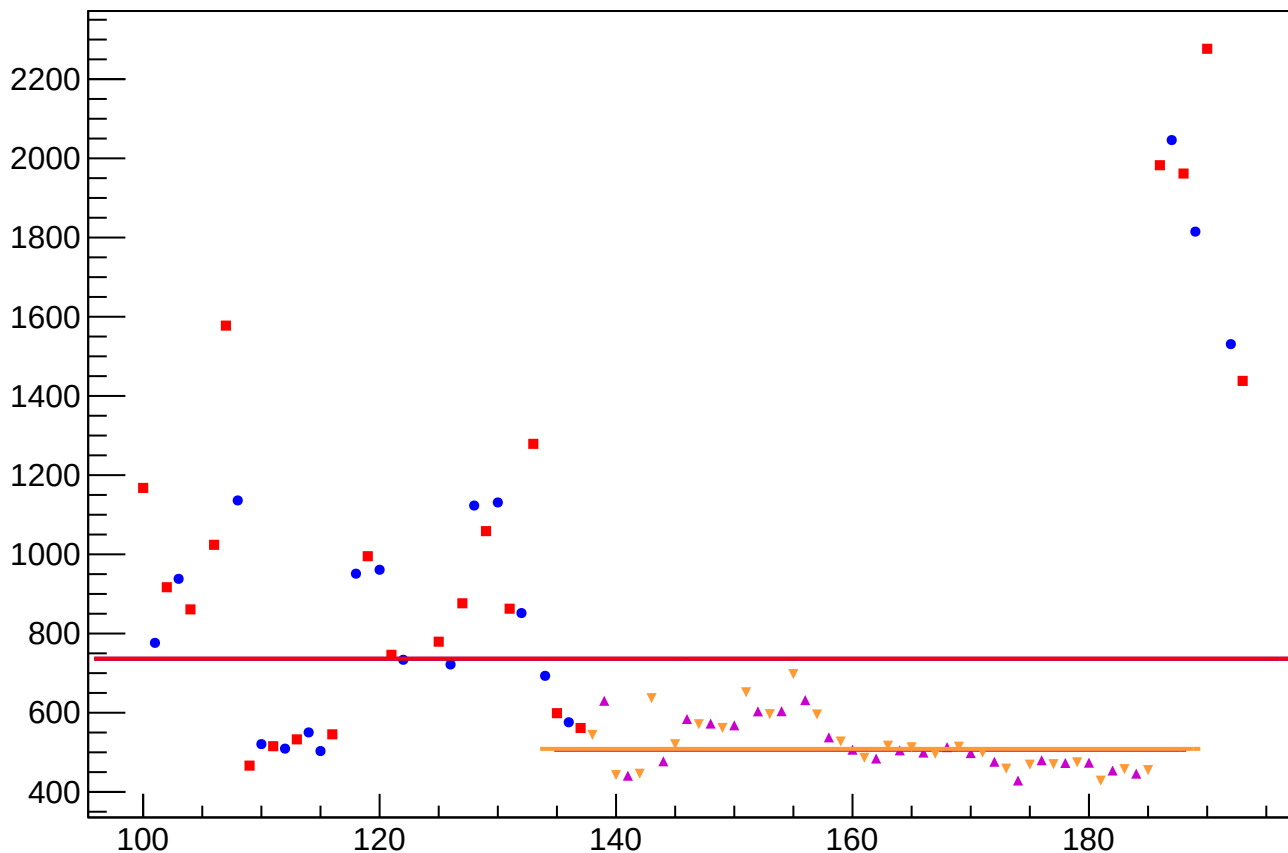
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -498.812 ± 109.767 χ^2/NDF : 86.1/43

All: -328.201 ± 78.026 χ^2/NDF : 134.6/88

- sign -153.945 ± 110.933 χ^2/NDF : 43.7/44

asym_us_dd_correction_rms vs Slug



Right In: 736.262 $\pm$ 0.196 χ^2 /NDF: 1912296.6/18

Left Out: 508.773 $\pm$ 0.085 χ^2 /NDF: 549245.1/24

Right Out: 736.545 $\pm$ 0.188 χ^2 /NDF: 3075728.8/21

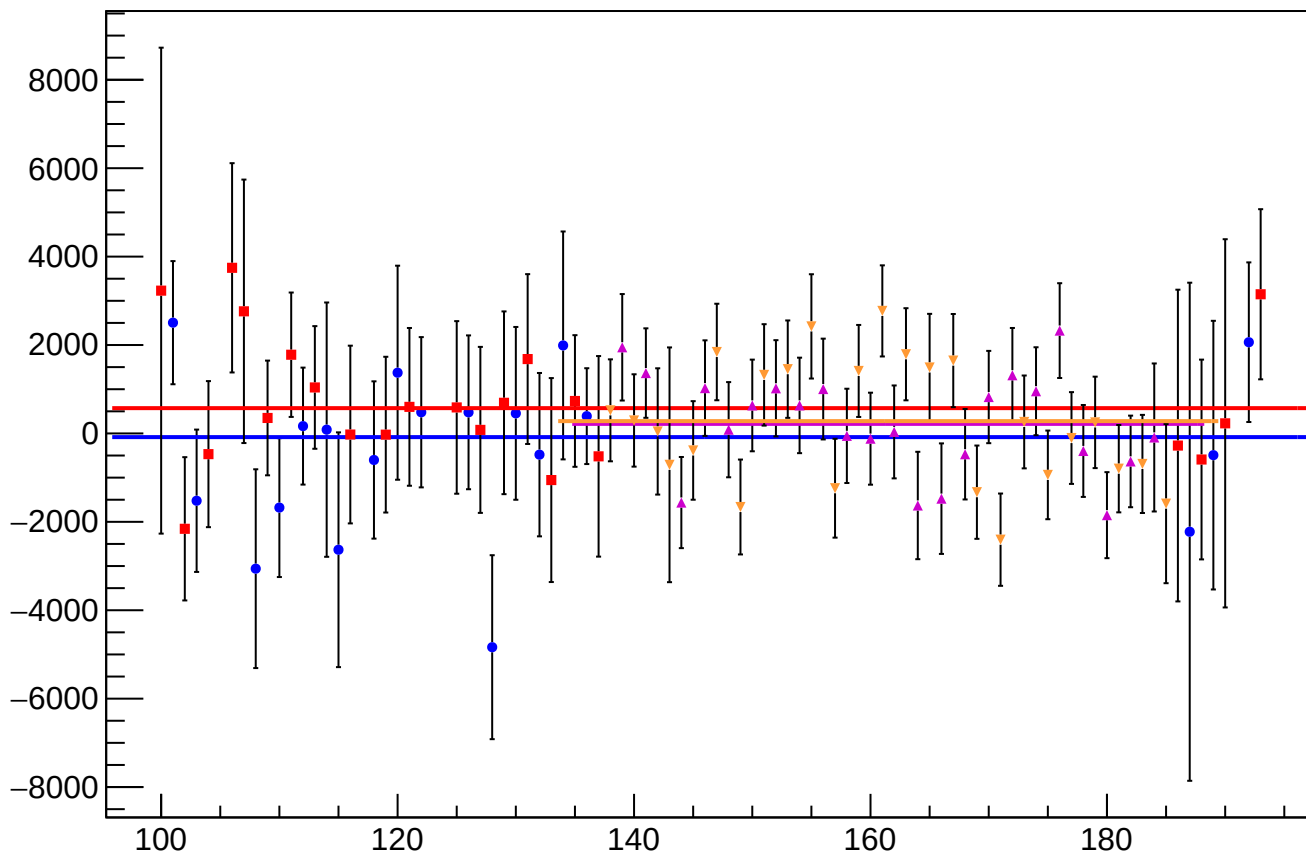
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 544.458 $\pm$ 0.078 χ^2 /NDF: 3597684.9/43

All: 545.412 $\pm$ 0.055 χ^2 /NDF: 8346378.9/88

- sign 546.386 $\pm$ 0.078 χ^2 /NDF: 4748388.7/44

asym_us_dd_mean vs Slug



Right In: -83.375 ± 417.582 χ^2/NDF : 16.4/18

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

Right Out: 571.960 ± 406.162 χ^2/NDF : 10.2/21

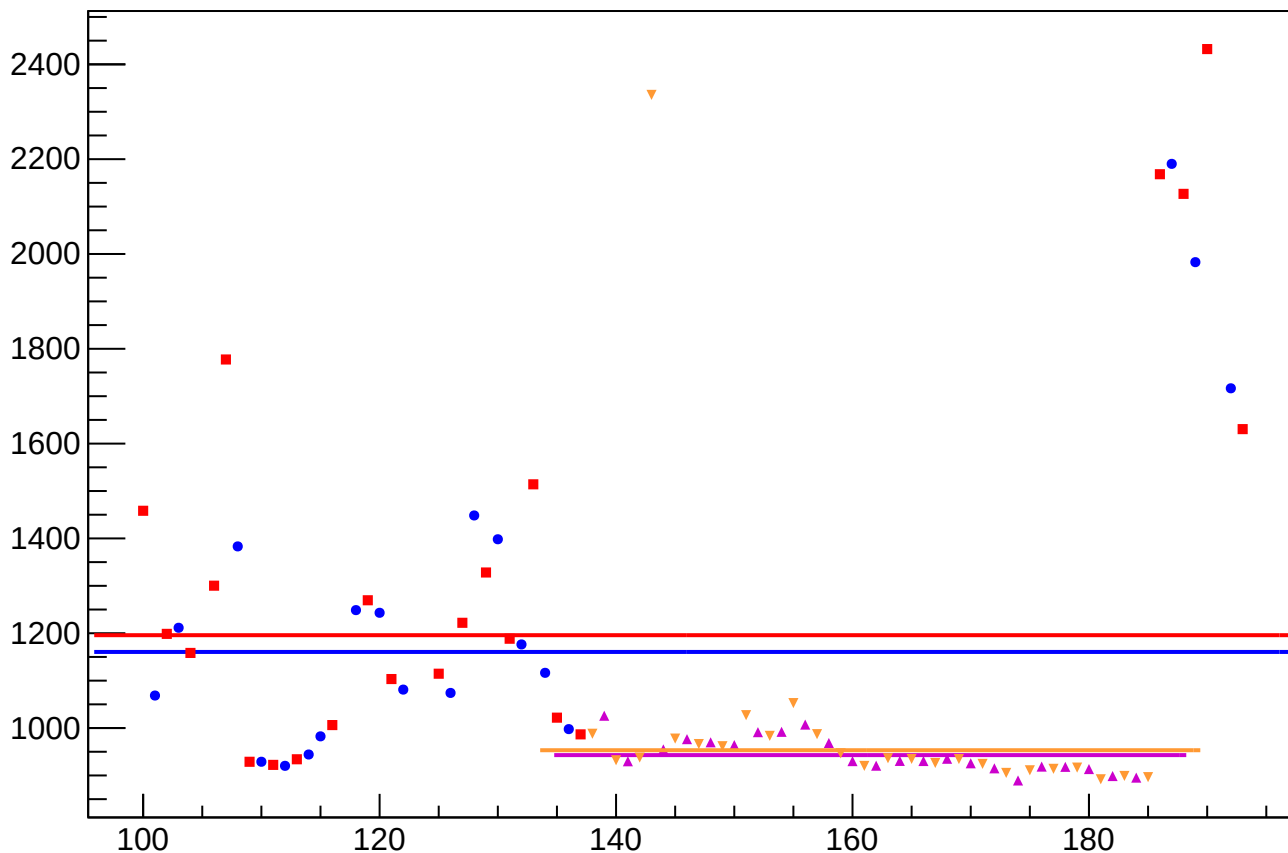
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 197.555 ± 197.106 χ^2/NDF : 55.4/43

All: 248.758 ± 139.415 χ^2/NDF : 90.7/88

- sign 300.020 ± 197.219 χ^2/NDF : 35.2/44

asym_us_dd_rms vs Slug



Right In: 1160.543+/-0.295 χ^2/NDF : 693273.7/18

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

Right Out: 1195.881+/-0.287 χ^2/NDF : 1208076.7/21

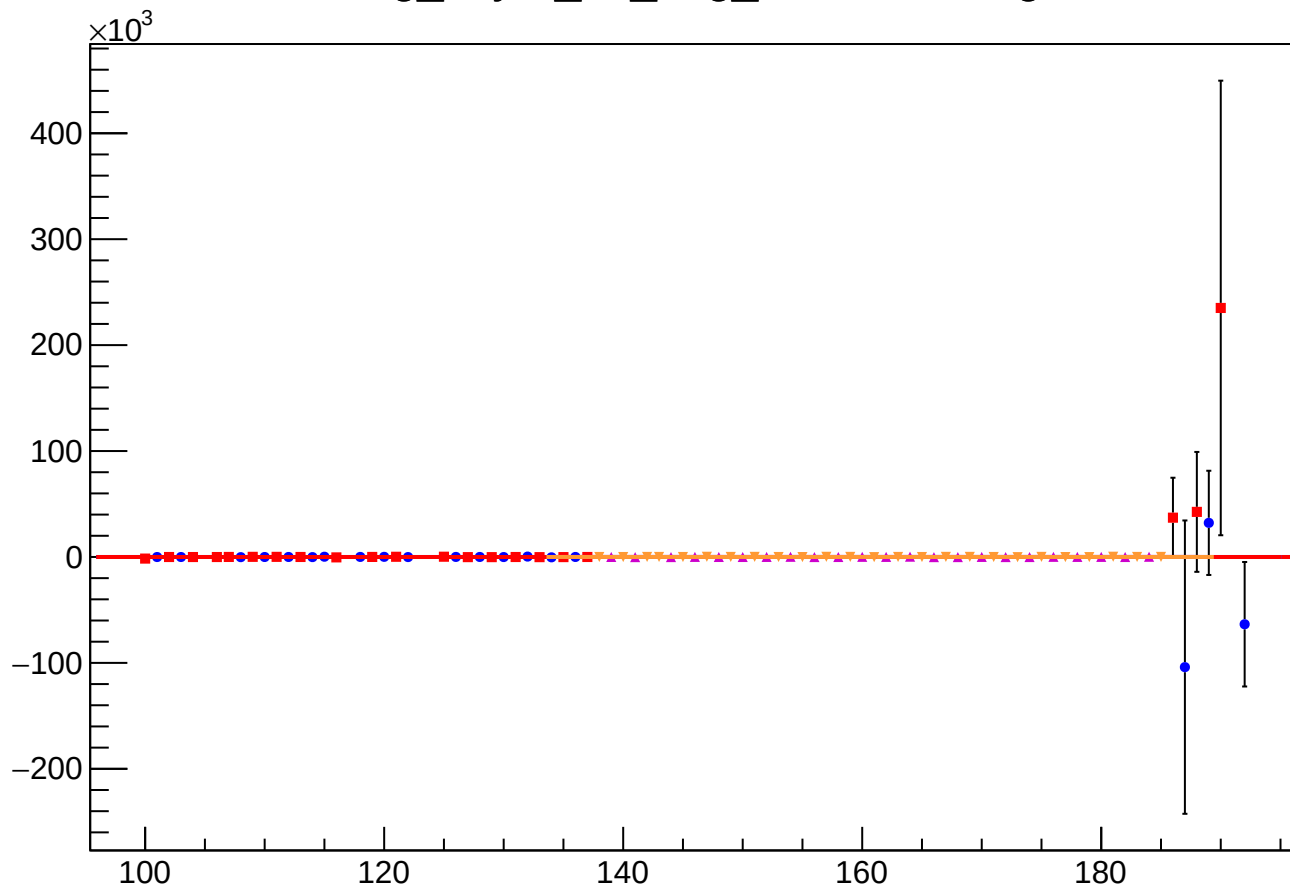
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 999.413+/-0.139 χ^2/NDF : 1682697.3/43

All: 1000.989+/-0.099 χ^2/NDF : 3532271.3/86

- sign 1002.567+/-0.139 χ^2/NDF : 1849317.9/44

reg_asym_ds_avg_mean vs Slug



Right In: -15.561 ± 30.032 χ^2/NDF : 18.1/18

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

Right Out: -31.713 ± 30.492 χ^2/NDF : 19.5/20

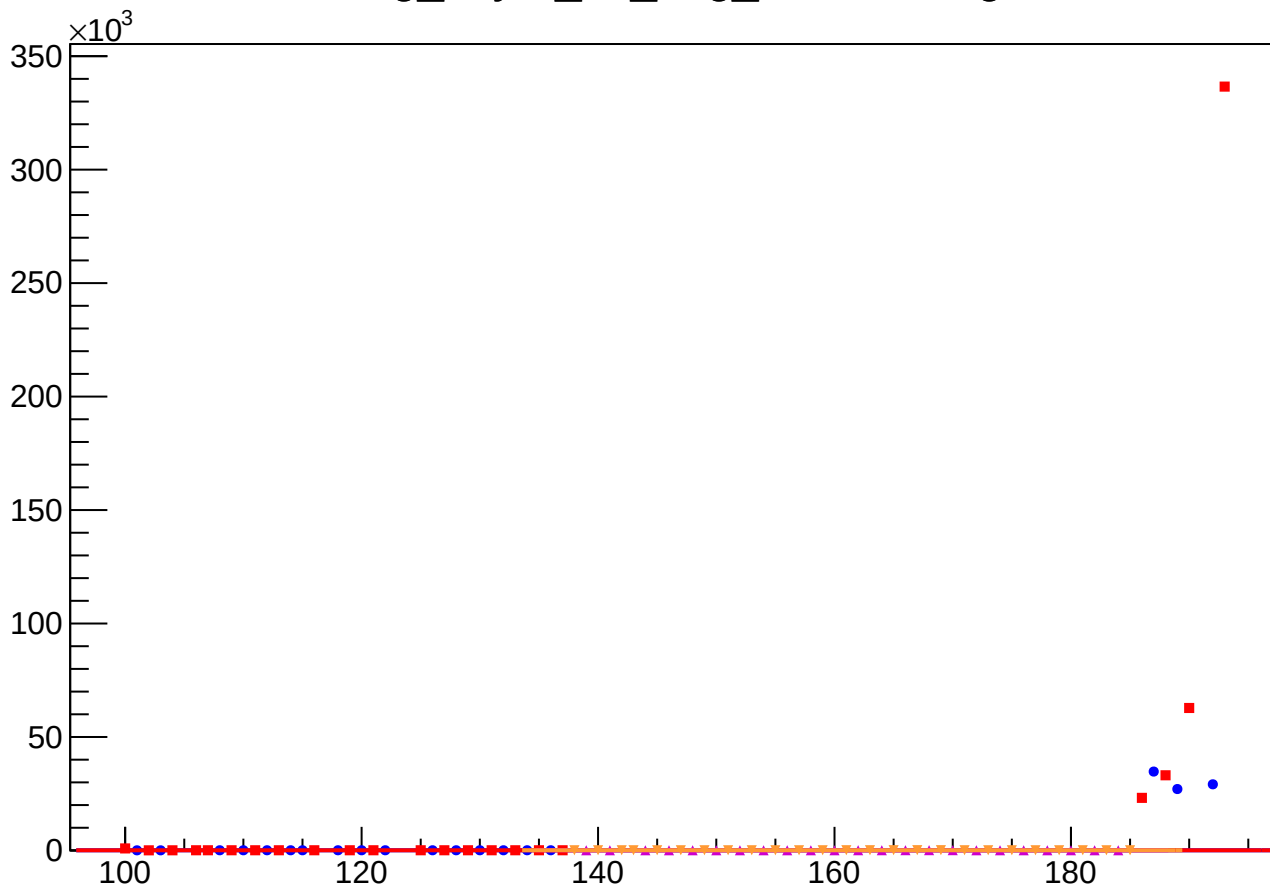
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.032 ± 17.187 χ^2/NDF : 40.9/43

All: 1.246 ± 12.302 χ^2/NDF : 85.1/87

- sign 4.690 ± 17.617 χ^2/NDF : 44.2/43

reg_asym_ds_avg_rms vs Slug



Right In: 76.073 $\pm$ 0.021 χ^2 /NDF: 1637270.8/18

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

Right Out: 79.397 $\pm$ 0.022 χ^2 /NDF: 2050131.6/21

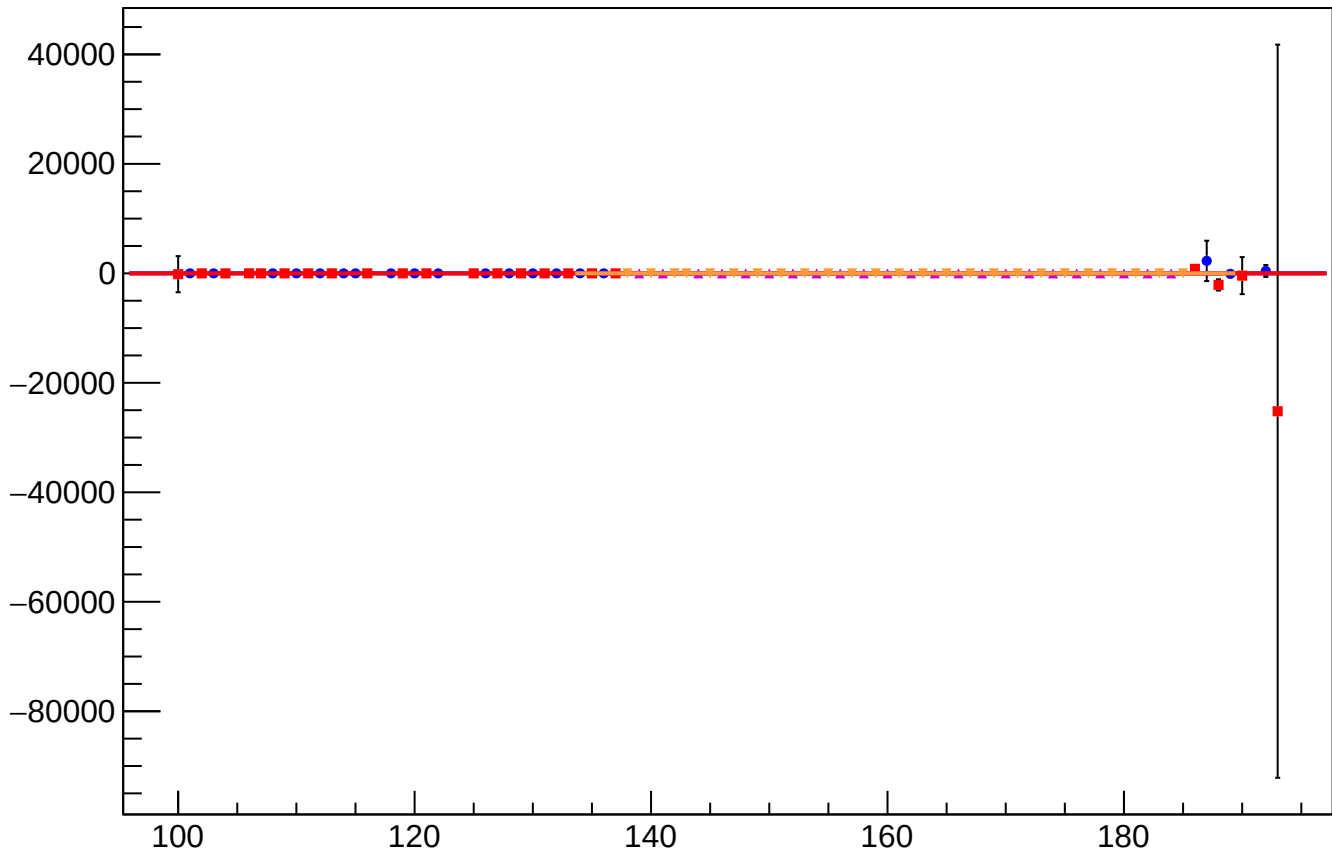
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.091 $\pm$ 0.012 χ^2 /NDF: 2375775.3/43

All: 85.627 $\pm$ 0.009 χ^2 /NDF: 5087459.8/88

- sign 86.191 $\pm$ 0.012 χ^2 /NDF: 2707688.2/44

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 21.5/18

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

Right Out: -0.039 ± 0.525 χ^2/NDF : 15.3/21

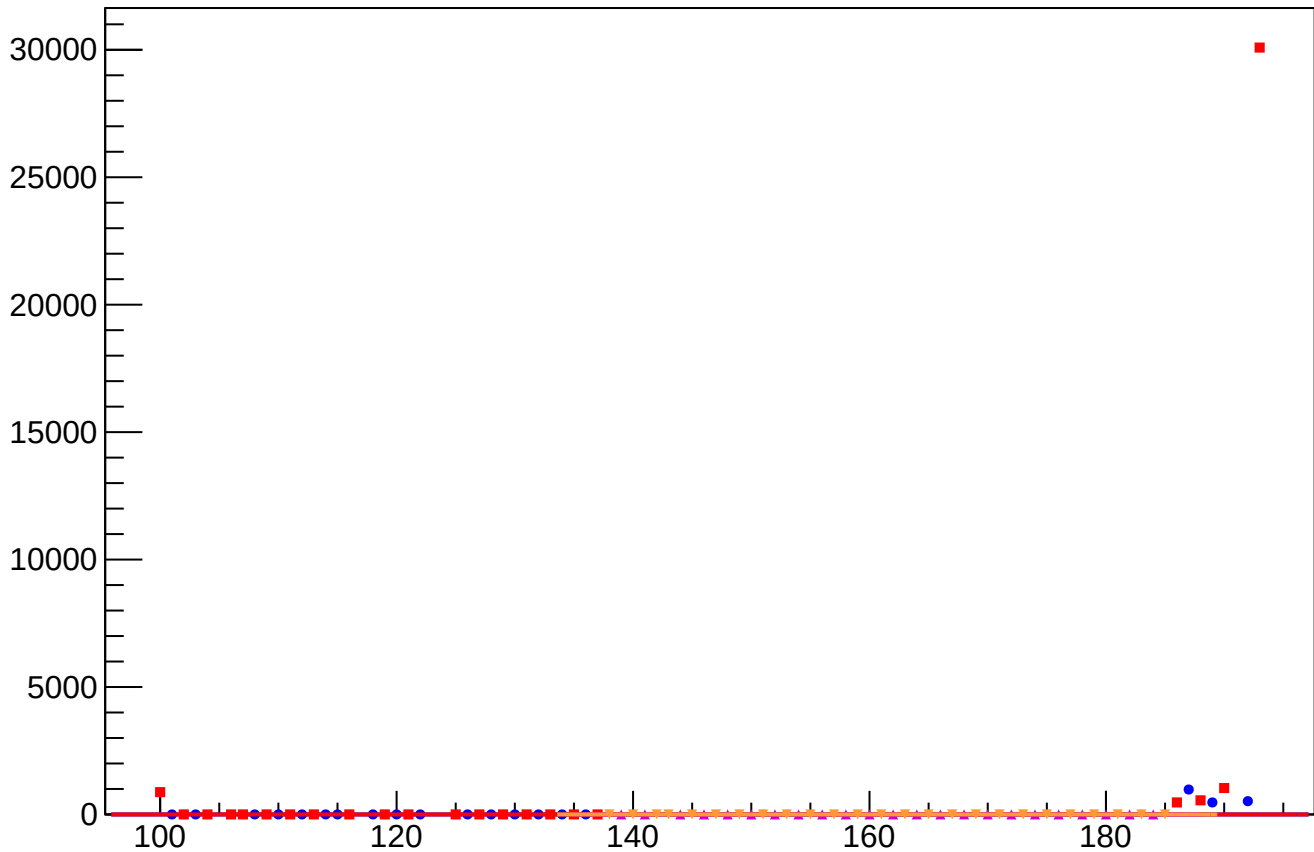
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.014 ± 0.296 χ^2/NDF : 43.3/43

All: 0.146 ± 0.215 χ^2/NDF : 86.3/88

- sign 0.322 ± 0.312 χ^2/NDF : 42.4/44

asym_ds_avg_correction_rms vs Slug



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 1628216.4/18

Left Out: 1.404 $\pm$ 0.000 χ^2 /NDF: 992478.0/24

Right Out: 1.259 $\pm$ 0.000 χ^2 /NDF: 2353559.1/21

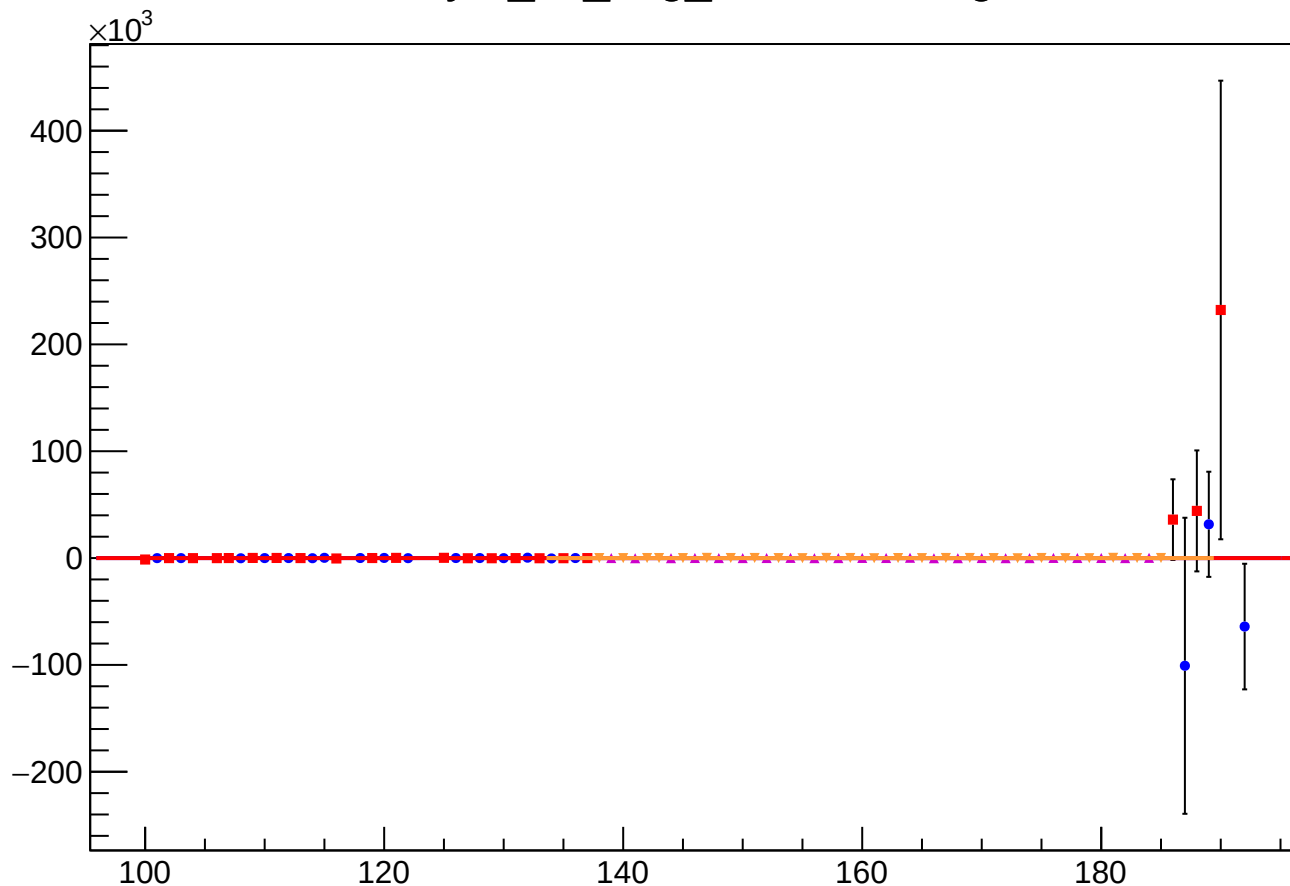
Left In: 1.453 $\pm$ 0.000 χ^2 /NDF: 995852.2/22

+ sign 1.316 $\pm$ 0.000 χ^2 /NDF: 2948813.9/43

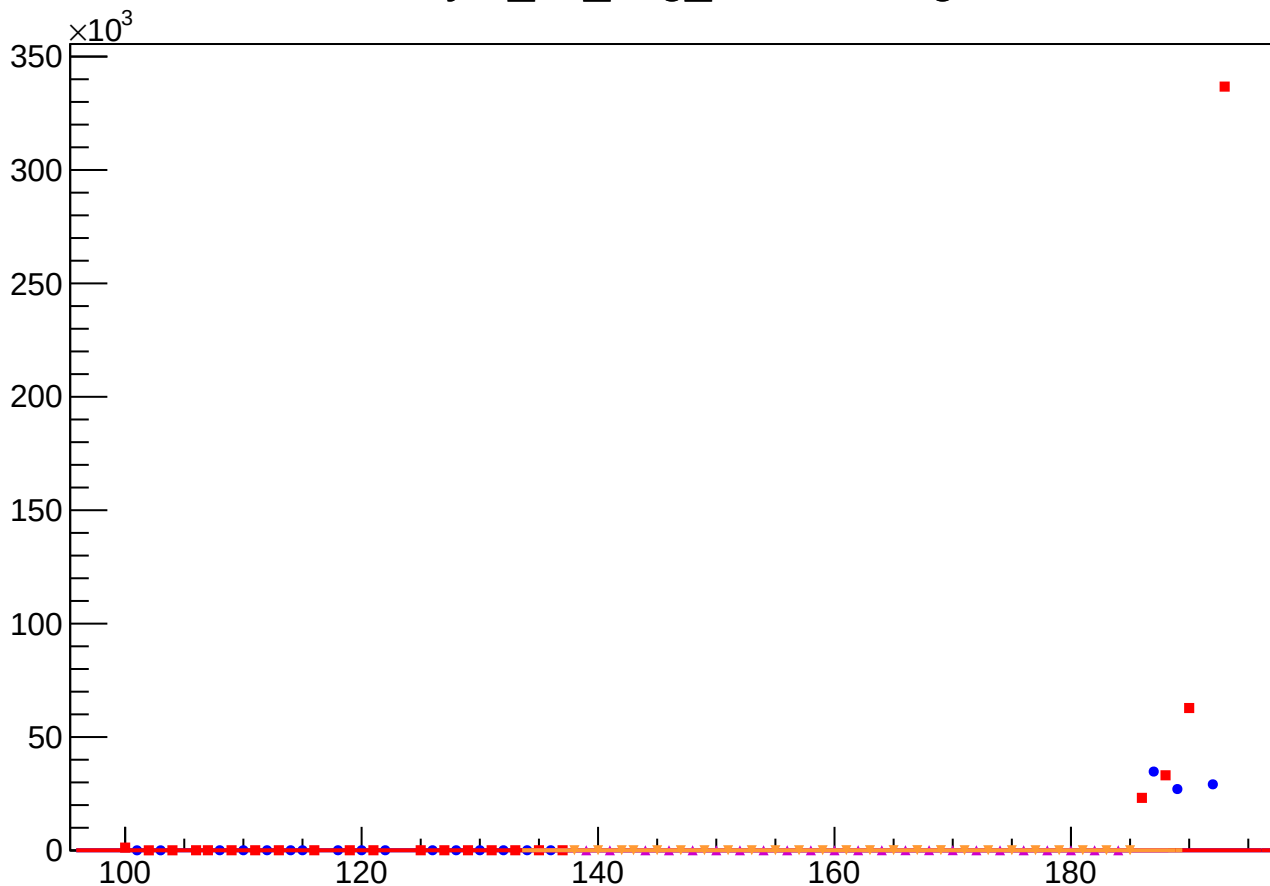
All: 1.349 $\pm$ 0.000 χ^2 /NDF: 6525796.6/88

- sign 1.385 $\pm$ 0.000 χ^2 /NDF: 3525957.8/44

asym_ds_avg_mean vs Slug



asym_ds_avg_rms vs Slug



Right In: 76.093 $\pm$ 0.021 χ^2/NDF : 1637293.8/18

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

Right Out: 79.401 $\pm$ 0.022 χ^2/NDF : 2056661.6/21

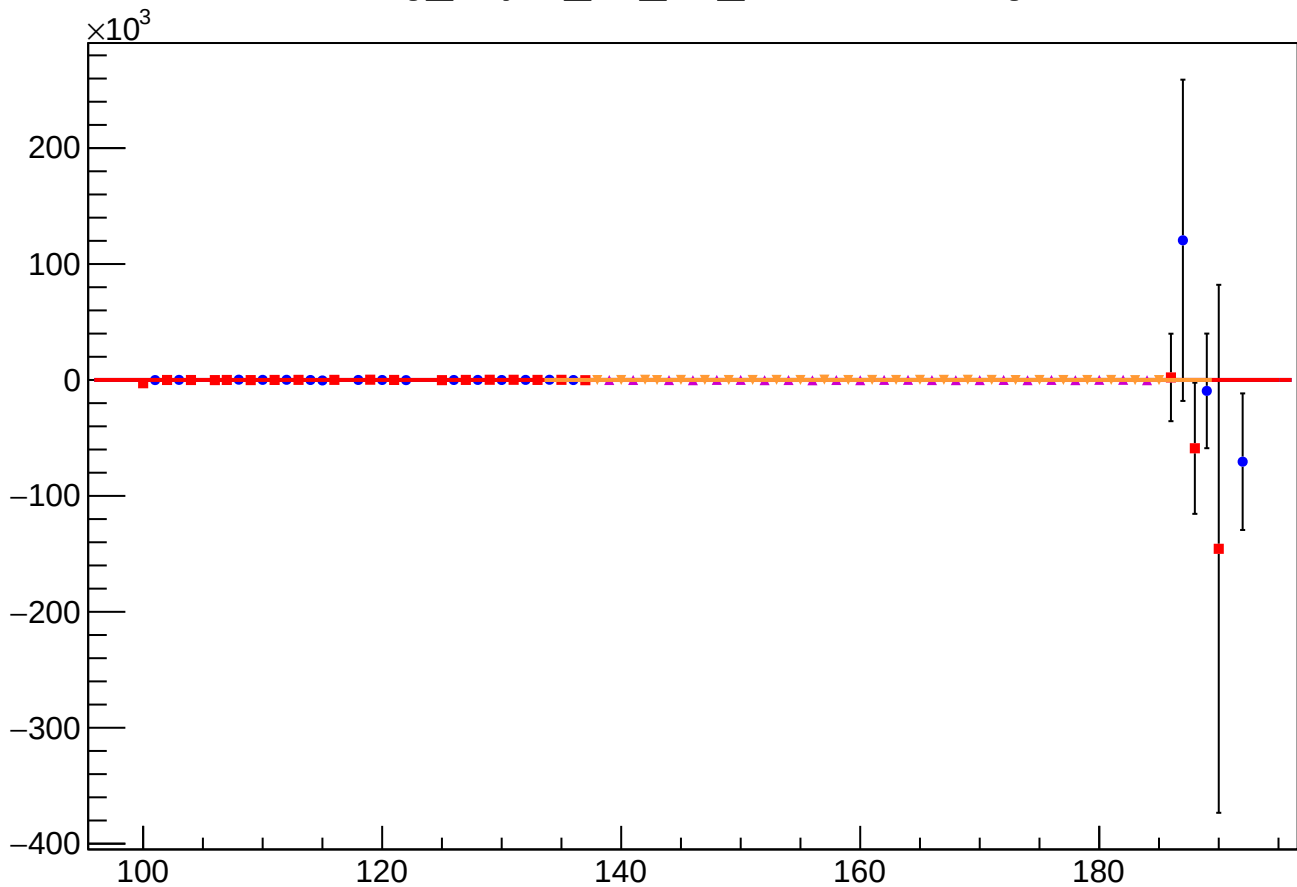
Left In: 89.622 $\pm$ 0.015 χ^2/NDF : 509391.8/22

+ sign 85.115 $\pm$ 0.012 χ^2/NDF : 2376668.1/43

All: 85.649 $\pm$ 0.009 χ^2/NDF : 5096316.5/88

- sign 86.210 $\pm$ 0.012 χ^2/NDF : 2715692.6/44

reg_asym_ds_dd_mean vs Slug



Right In: 8.097 ± 30.012 χ^2/NDF : 16.2/18

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

Right Out: 25.756 ± 30.473 χ^2/NDF : 14.3/20

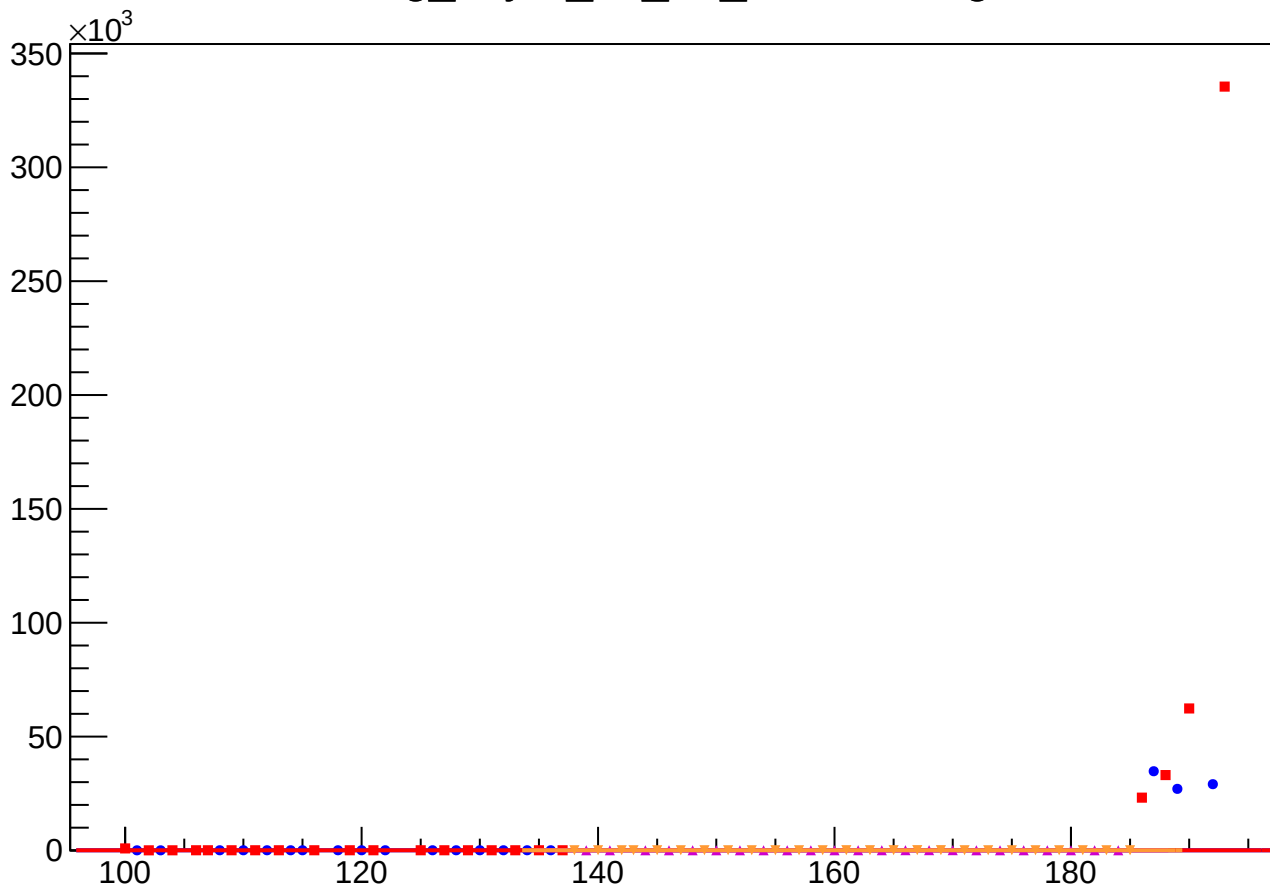
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 9.294 ± 17.187 χ^2/NDF : 34.8/43

All: -5.136 ± 12.303 χ^2/NDF : 85.4/87

- sign -20.299 ± 17.618 χ^2/NDF : 49.2/43

reg_asym_ds_dd_rms vs Slug



Right In: 76.023 $\pm$ 0.021 χ^2 /NDF: 1636645.4/18

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

Right Out: 79.349 $\pm$ 0.022 χ^2 /NDF: 2049427.4/21

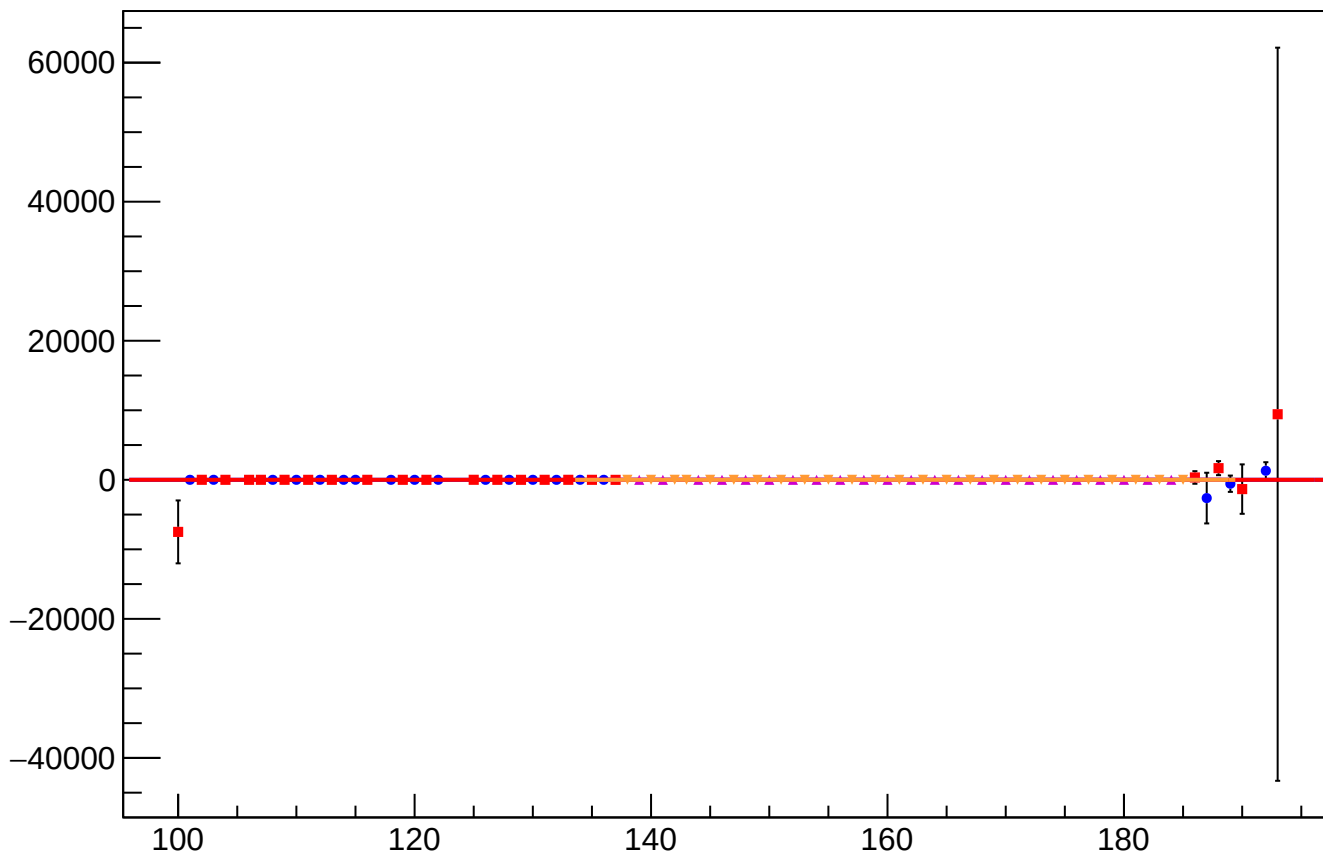
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.085 $\pm$ 0.012 χ^2 /NDF: 2376944.6/43

All: 85.625 $\pm$ 0.009 χ^2 /NDF: 5092950.7/88

- sign 86.192 $\pm$ 0.012 χ^2 /NDF: 2711966.2/44

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 $\pm$ 0.531 χ^2/NDF : 13.8/18

Left Out: -0.517 $\pm$ 0.382 χ^2/NDF : 20.7/24

Right Out: -0.347 $\pm$ 0.549 χ^2/NDF : 16.5/21

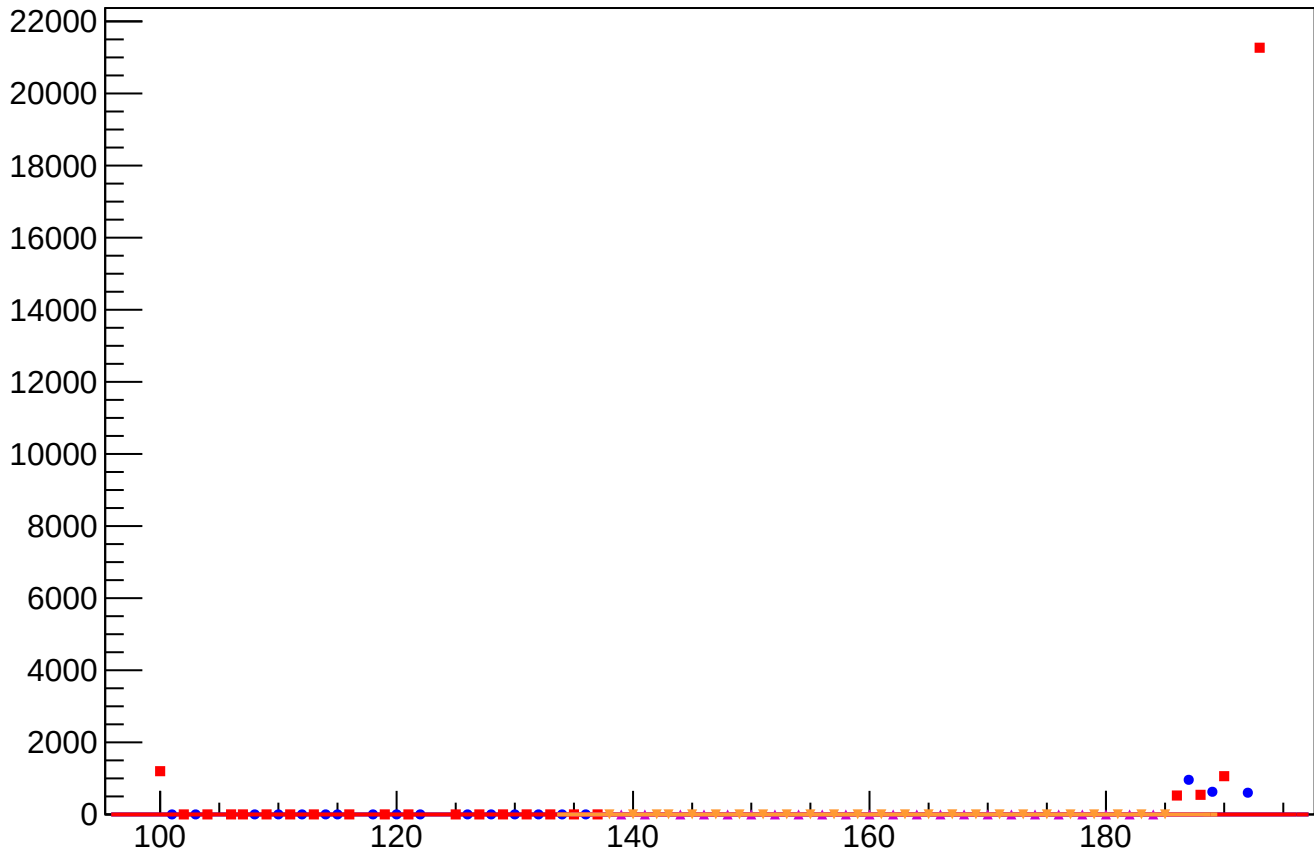
Left In: 0.072 $\pm$ 0.390 χ^2/NDF : 20.4/22

+ sign -0.036 $\pm$ 0.310 χ^2/NDF : 39.2/43

All: -0.052 $\pm$ 0.222 χ^2/NDF : 76.4/88

- sign -0.069 $\pm$ 0.318 χ^2/NDF : 37.3/44

asym_ds_dd_correction_rms vs Slug



Right In: 1.233+/-0.000 χ^2/NDF : 1816268.5/18

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

Right Out: 1.316+/-0.000 χ^2/NDF : 2283836.0/21

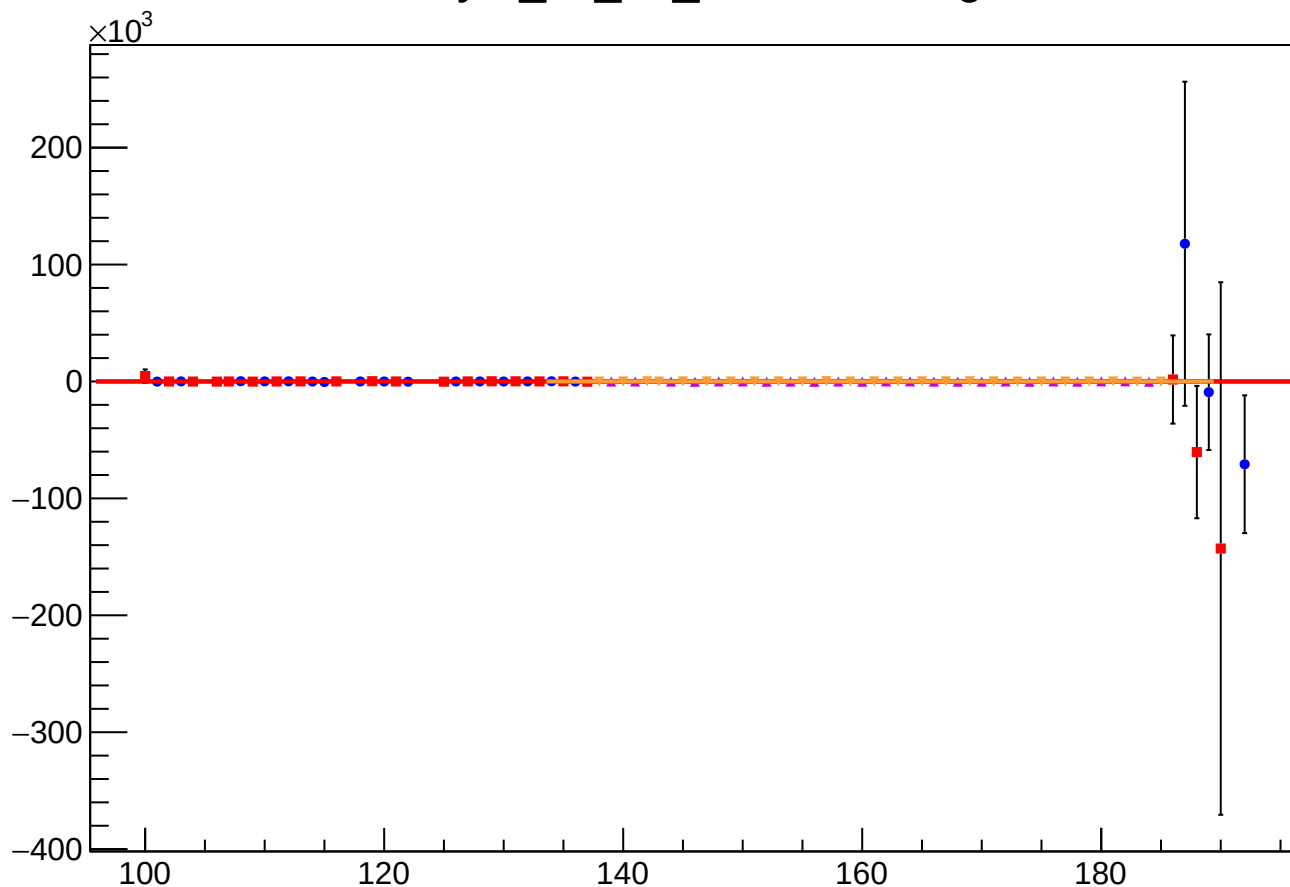
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.391+/-0.000 χ^2/NDF : 3238963.7/43

All: 1.401+/-0.000 χ^2/NDF : 6669191.2/88

- sign 1.412+/-0.000 χ^2/NDF : 3425583.6/44

asym_ds_dd_mean vs Slug



Right In: 7.390 ± 30.020 χ^2/NDF : 16.1/18

Left Out: 10.423 ± 20.971 χ^2/NDF : 18.4/24

Right Out: 26.365 ± 30.482 χ^2/NDF : 14.5/20

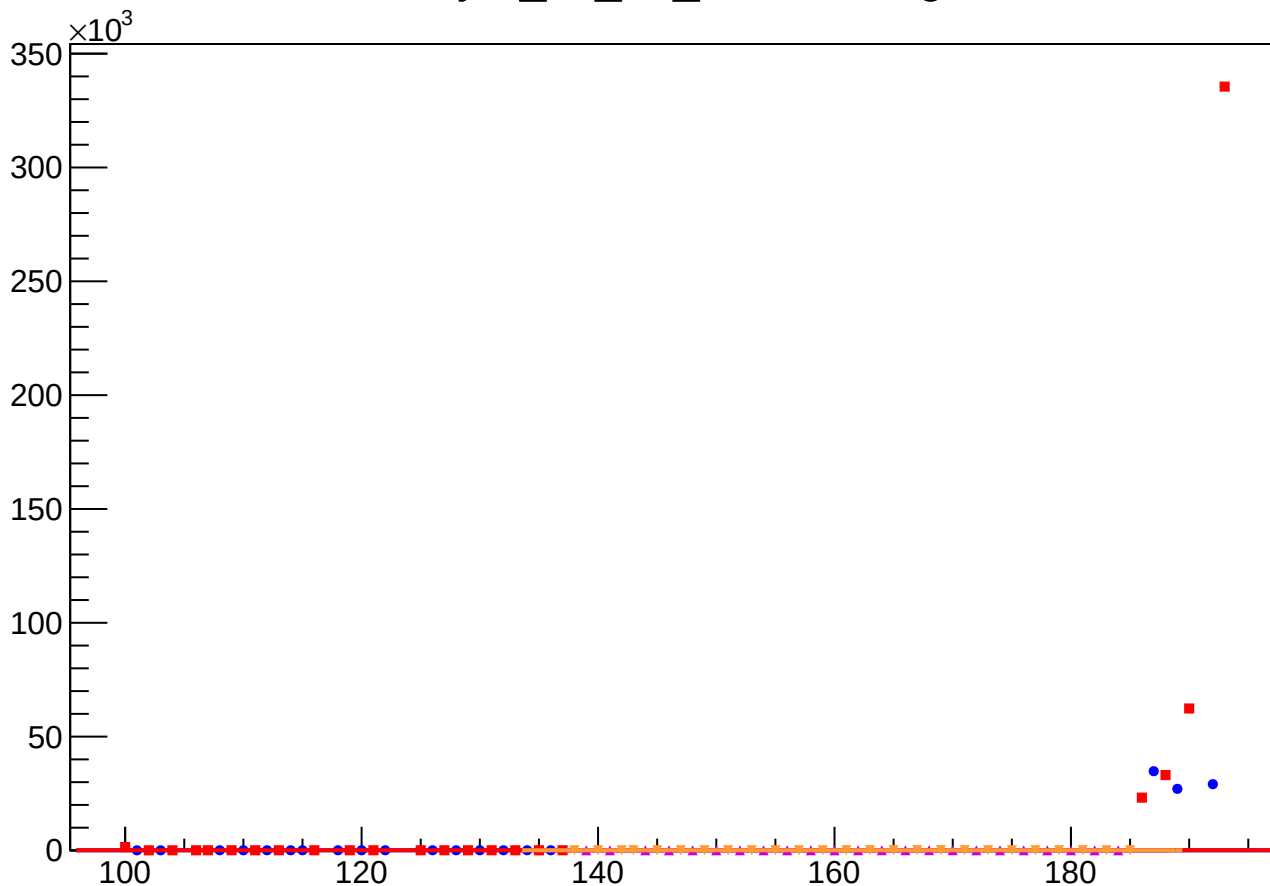
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 9.428 ± 17.192 χ^2/NDF : 34.5/43

All: -5.123 ± 12.306 χ^2/NDF : 85.1/87

- sign -20.415 ± 17.624 χ^2/NDF : 49.2/43

asym_ds_dd_rms vs Slug



Right In: 76.044 $\pm$ 0.021 χ^2 /NDF: 1636696.9/18

Left Out: 89.535 $\pm$ 0.015 χ^2 /NDF: 469743.0/24

Right Out: 79.345 $\pm$ 0.022 χ^2 /NDF: 2058674.5/21

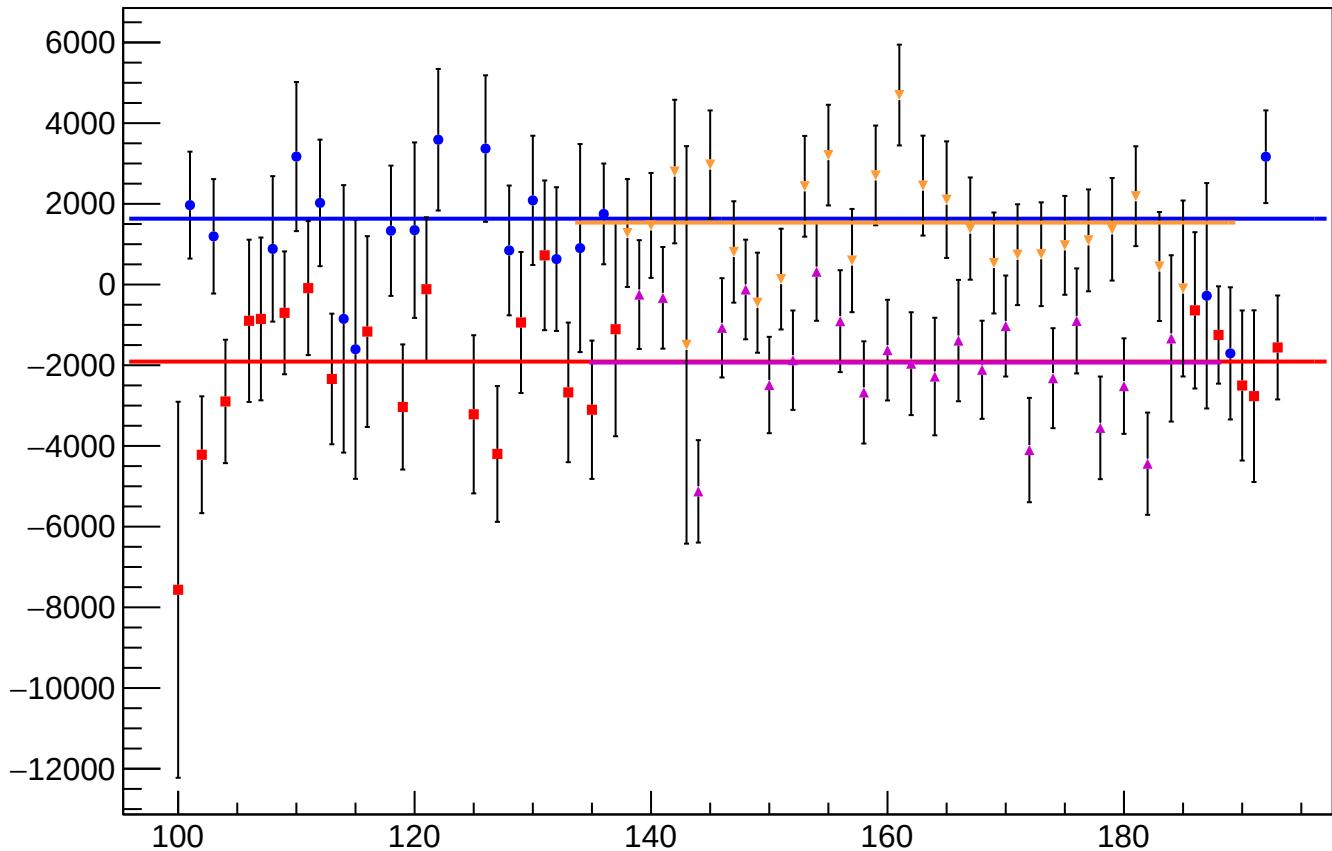
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.110 $\pm$ 0.012 χ^2 /NDF: 2377868.8/43

All: 85.646 $\pm$ 0.009 χ^2 /NDF: 5104665.1/88

- sign 86.208 $\pm$ 0.012 χ^2 /NDF: 2722818.3/44

reg_asym_usl_mean vs Slug



Right In: 1632.220 $\pm$ 388.407 χ^2 /NDF: 12.0/18

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

Right Out: -1909.171 $\pm$ 361.687 χ^2 /NDF: 15.0/22

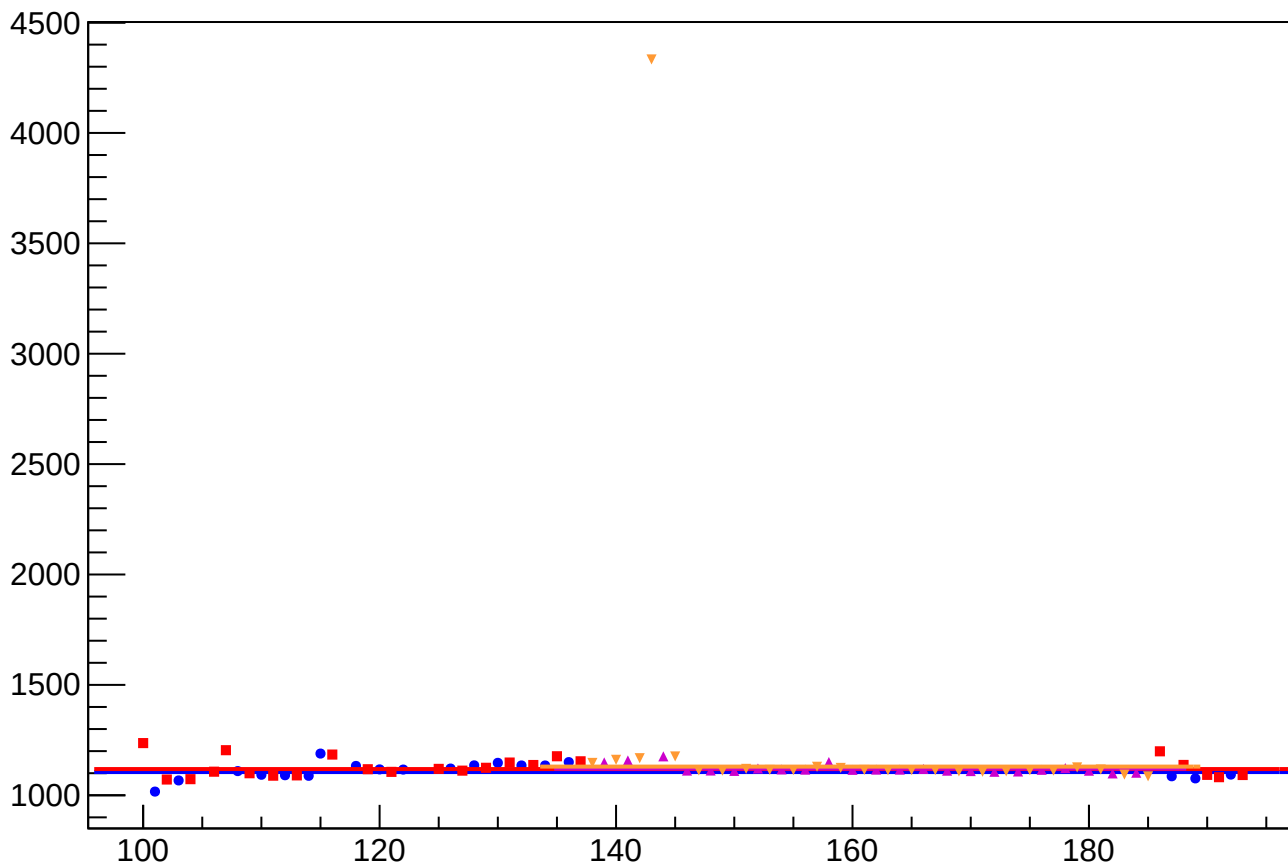
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

+ sign 1566.189 $\pm$ 219.400 χ^2 /NDF: 32.4/43

All: -211.837 $\pm$ 153.681 χ^2 /NDF: 203.3/89

- sign -1924.553 $\pm$ 215.333 χ^2 /NDF: 42.0/45

reg_asym_usl_rms vs Slug



Right In: 1105.141 $\pm$ 0.275 χ^2 /NDF: 19322.3/18

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

Right Out: 1118.752 $\pm$ 0.256 χ^2 /NDF: 21319.2/22

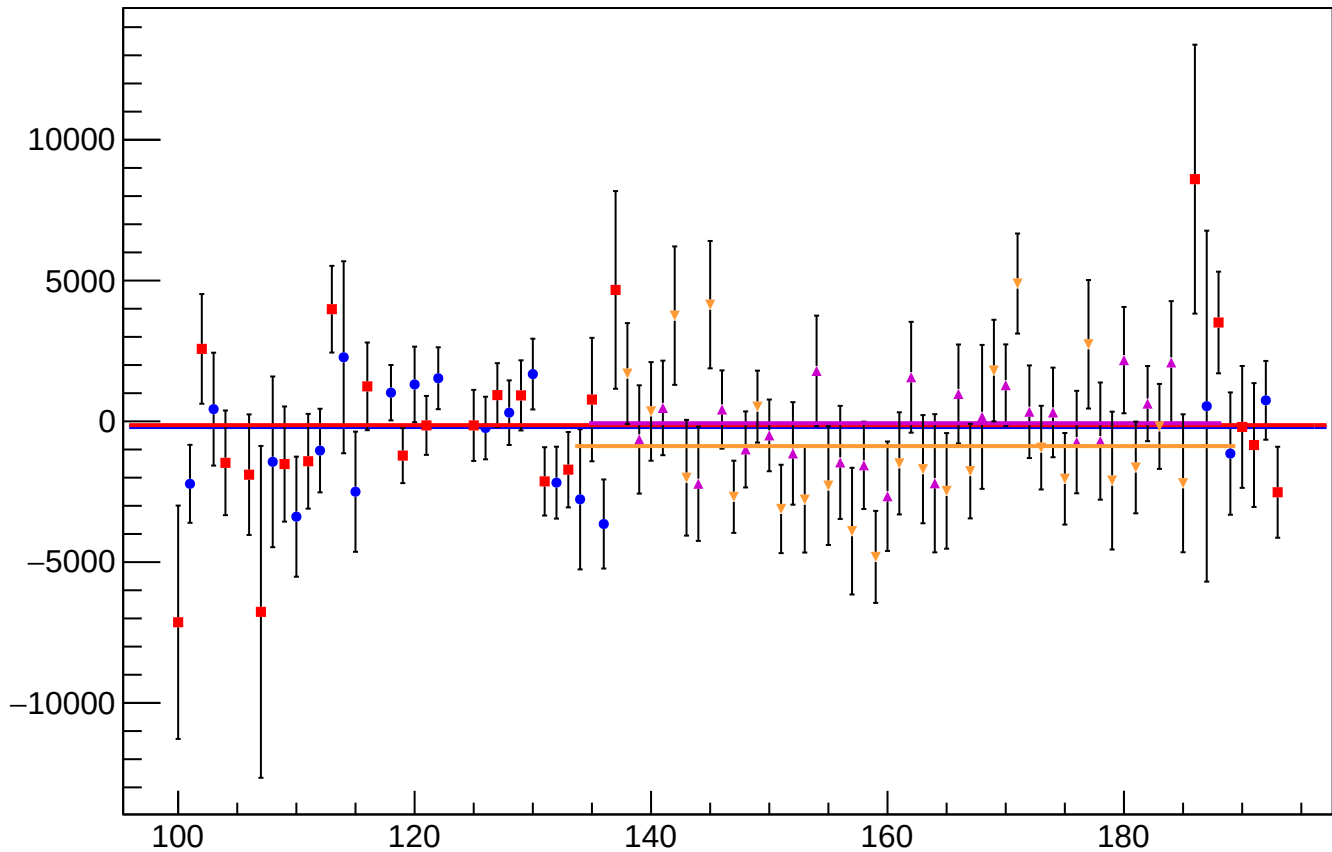
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1122.001 $\pm$ 0.155 χ^2 /NDF: 883116.6/43

All: 1121.082 $\pm$ 0.109 χ^2 /NDF: 914195.8/89

- sign 1120.197 $\pm$ 0.152 χ^2 /NDF: 31010.4/45

asym_usl_correction_mean vs Slug



Right In: -203.185 ± 345.009 χ^2/NDF : 23.2/18

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

Right Out: -134.965 ± 333.783 χ^2/NDF : 34.9/22

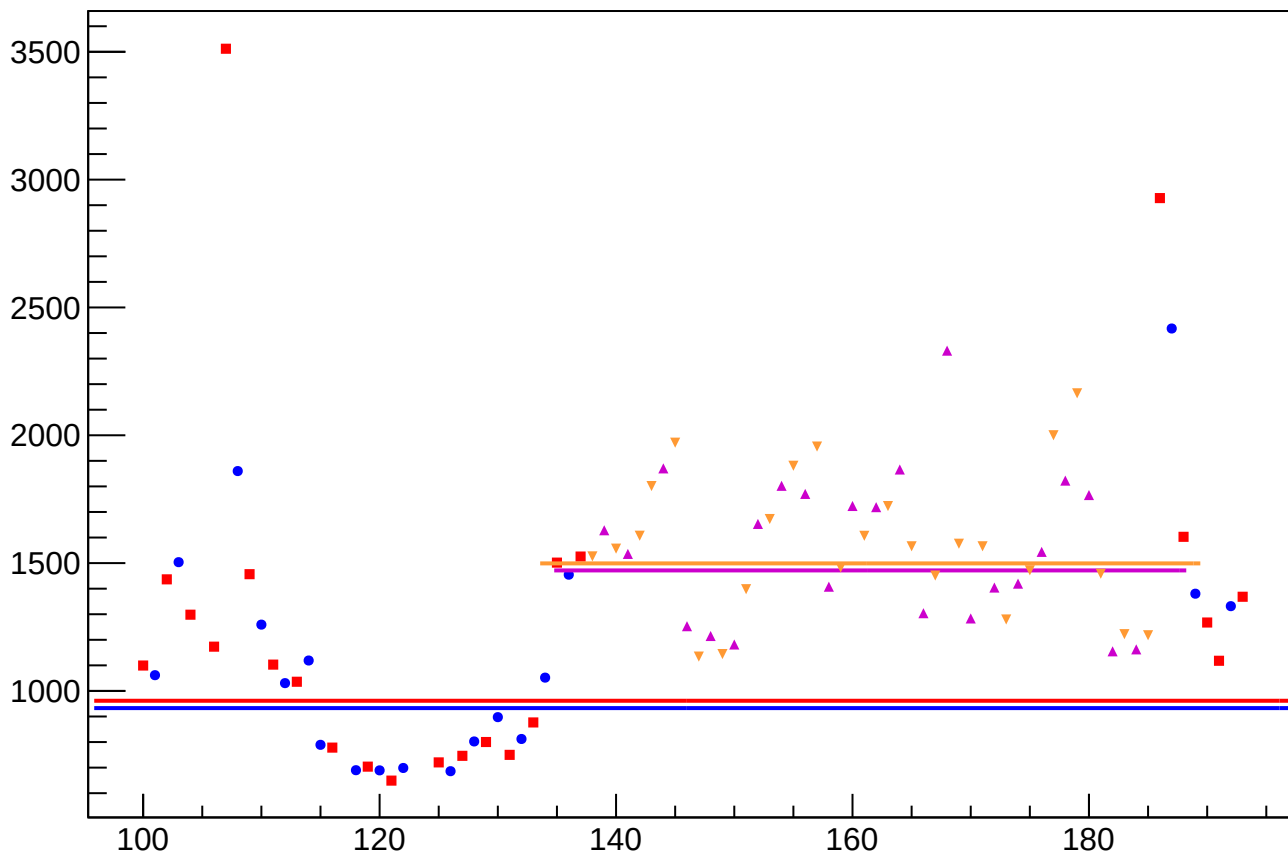
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -531.123 ± 247.649 χ^2/NDF : 68.6/43

All: -314.142 ± 173.948 χ^2/NDF : 117.2/89

- sign -102.847 ± 244.382 χ^2/NDF : 47.1/45

asym_usl_correction_rms vs Slug



Right In: 932.814+/-0.244 χ^2/NDF : 1443141.6/18

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

Right Out: 961.551+/-0.236 χ^2/NDF : 2250872.1/22

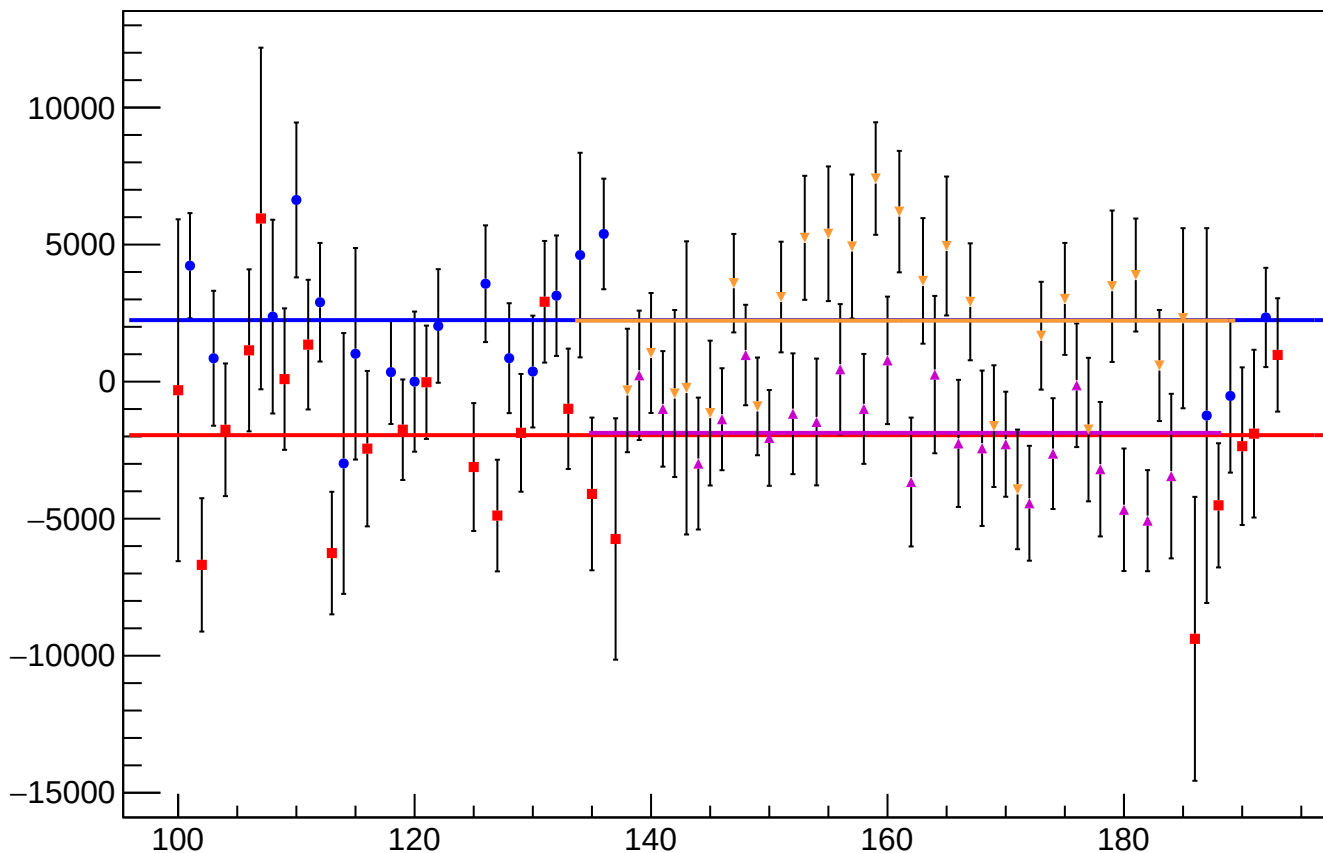
Left In: 1471.394+/-0.254 χ^2/NDF : 1105310.5/22

+ sign 1207.203+/-0.175 χ^2/NDF : 5106685.5/43

All: 1202.586+/-0.123 χ^2/NDF : 10629158.6/8

- sign 1198.090+/-0.173 χ^2/NDF : 5521101.1/45

asym_usl_mean vs Slug



Right In: 2243.940 ± 548.827 χ^2/NDF : 12.9/18

Left Out: 2226.533 ± 454.821 χ^2/NDF : 38.8/24

Right Out: -1952.862 ± 525.881 χ^2/NDF : 27.8/22

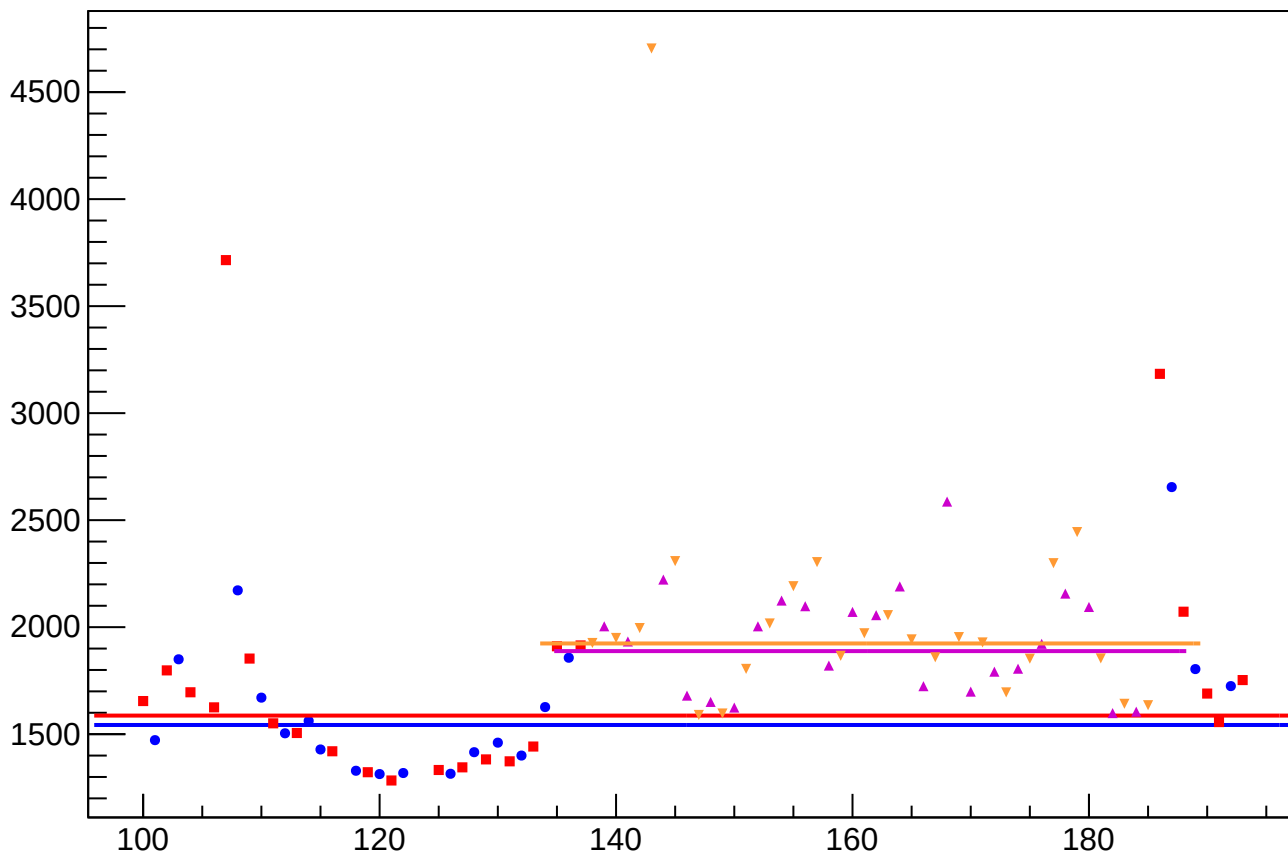
Left In: -1869.792 ± 455.465 χ^2/NDF : 14.9/22

+ sign 2233.620 ± 350.197 χ^2/NDF : 51.7/43

All: 128.888 ± 245.510 χ^2/NDF : 165.4/89

- sign -1905.397 ± 344.287 χ^2/NDF : 42.7/45

asym_usl_rms vs Slug



Right In: 1542.939+/-0.388 χ^2/NDF : 351379.0/18

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

Right Out: 1586.838+/-0.372 χ^2/NDF : 801904.0/22

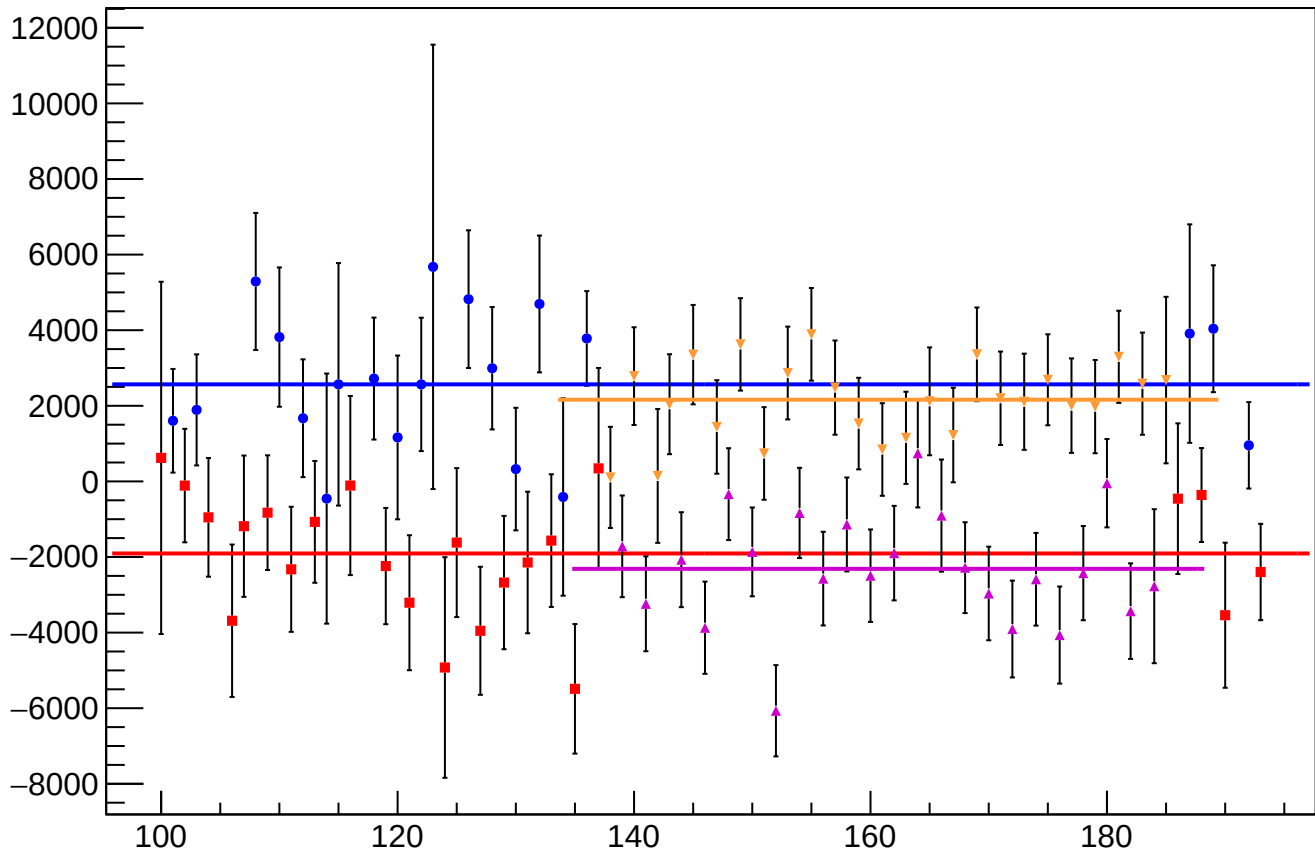
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1768.752+/-0.248 χ^2/NDF : 1928630.7/43

All: 1763.787+/-0.174 χ^2/NDF : 3610984.2/89

- sign 1758.987+/-0.243 χ^2/NDF : 1681562.7/45

reg_asym_usr_mean vs Slug



Right In: 2567.458 $\pm$ 391.195 χ^2 /NDF: 15.4/19

Left Out: 2161.427 $\pm$ 257.518 χ^2 /NDF:15.1/24

Right Out: -1906.635 $\pm$ 366.338 χ^2 /NDF: 15.8/22

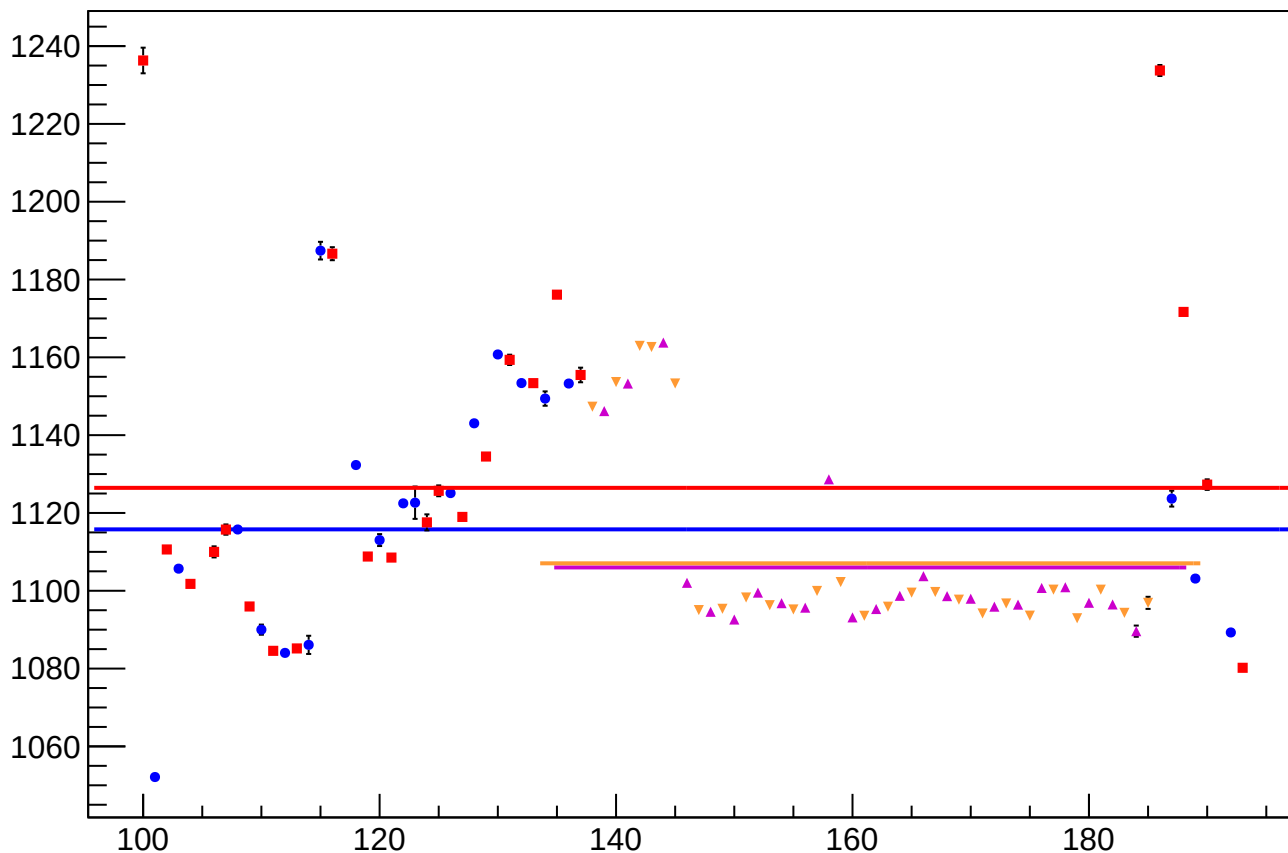
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2284.181 $\pm$ 215.096 χ^2 /NDF: 31.2/44

All: 47.884 $\pm$ 151.852 χ^2 /NDF: 294.7/90

- sign -2174.133 $\pm$ 214.408 χ^2 /NDF: 47.9/45

reg_asym_usr_rms vs Slug



Right In: 1115.783 $\pm$ 0.277 χ^2 /NDF: 13378.5/19

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

Right Out: 1126.455 $\pm$ 0.259 χ^2 /NDF: 21368.4/22

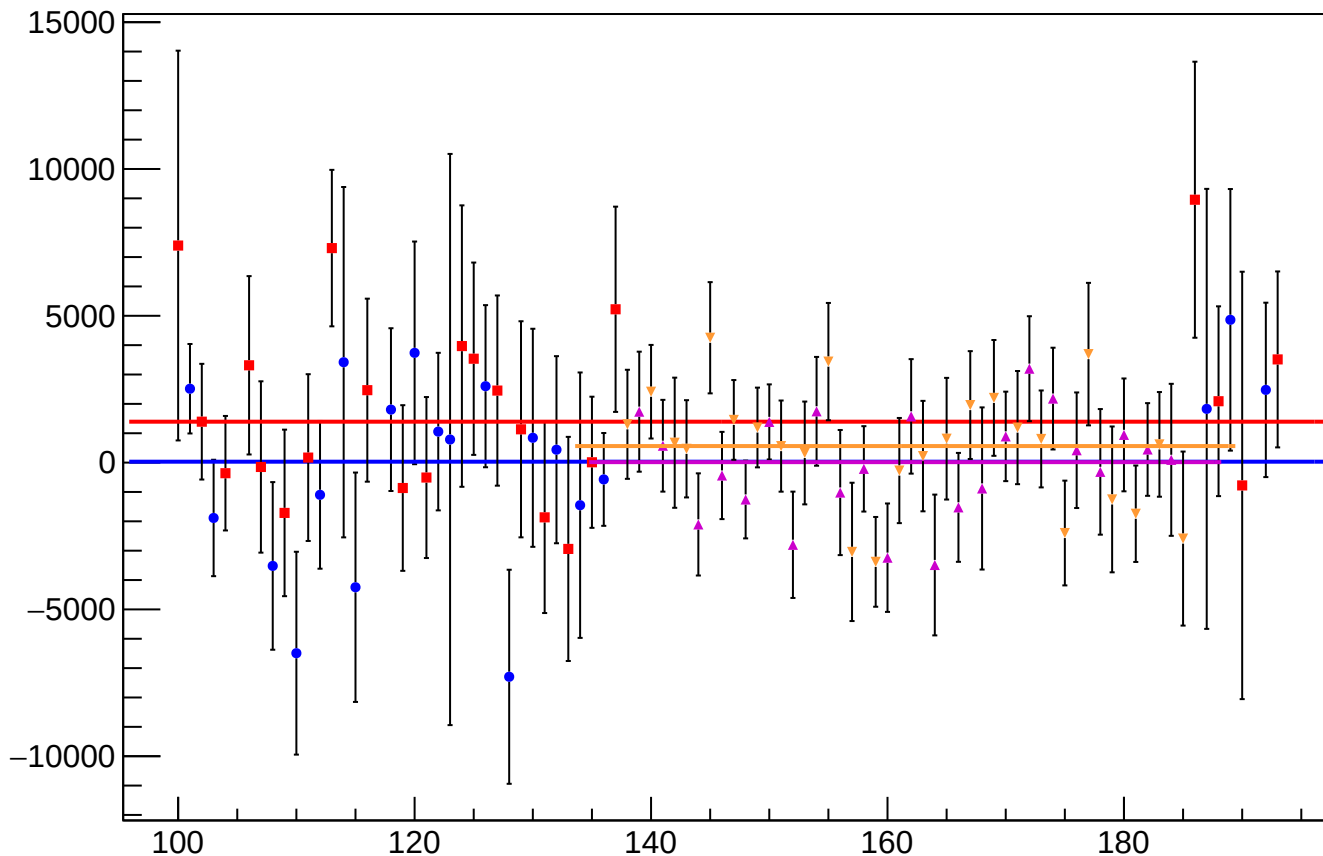
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF: 11551.3/22

+ sign 1109.695 $\pm$ 0.152 χ^2 /NDF: 29248.4/44

All: 1111.355 $\pm$ 0.107 χ^2 /NDF: 66506.3/90

- sign 1113.004 $\pm$ 0.152 χ^2 /NDF: 37020.4/45

asym_usr_correction_mean vs Slug



Right In: 30.964 ± 632.347 χ^2/NDF : 19.1/19

Left Out: 563.282 ± 360.901 χ^2/NDF : 26.8/24

Right Out: 1393.419 ± 627.175 χ^2/NDF : 17.8/22

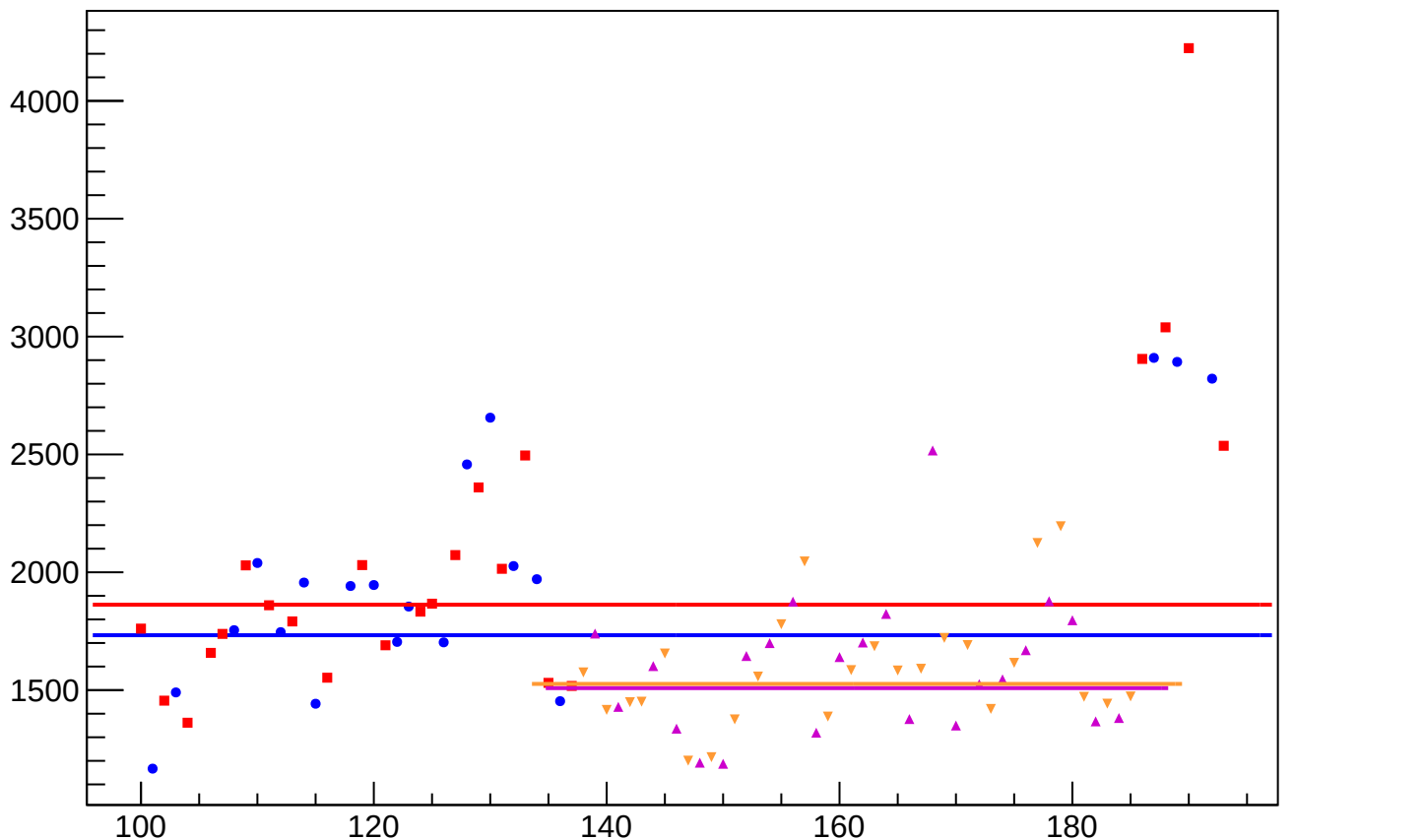
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 432.490 ± 313.444 χ^2/NDF : 46.4/44

All: 399.970 ± 222.767 χ^2/NDF : 87.9/90

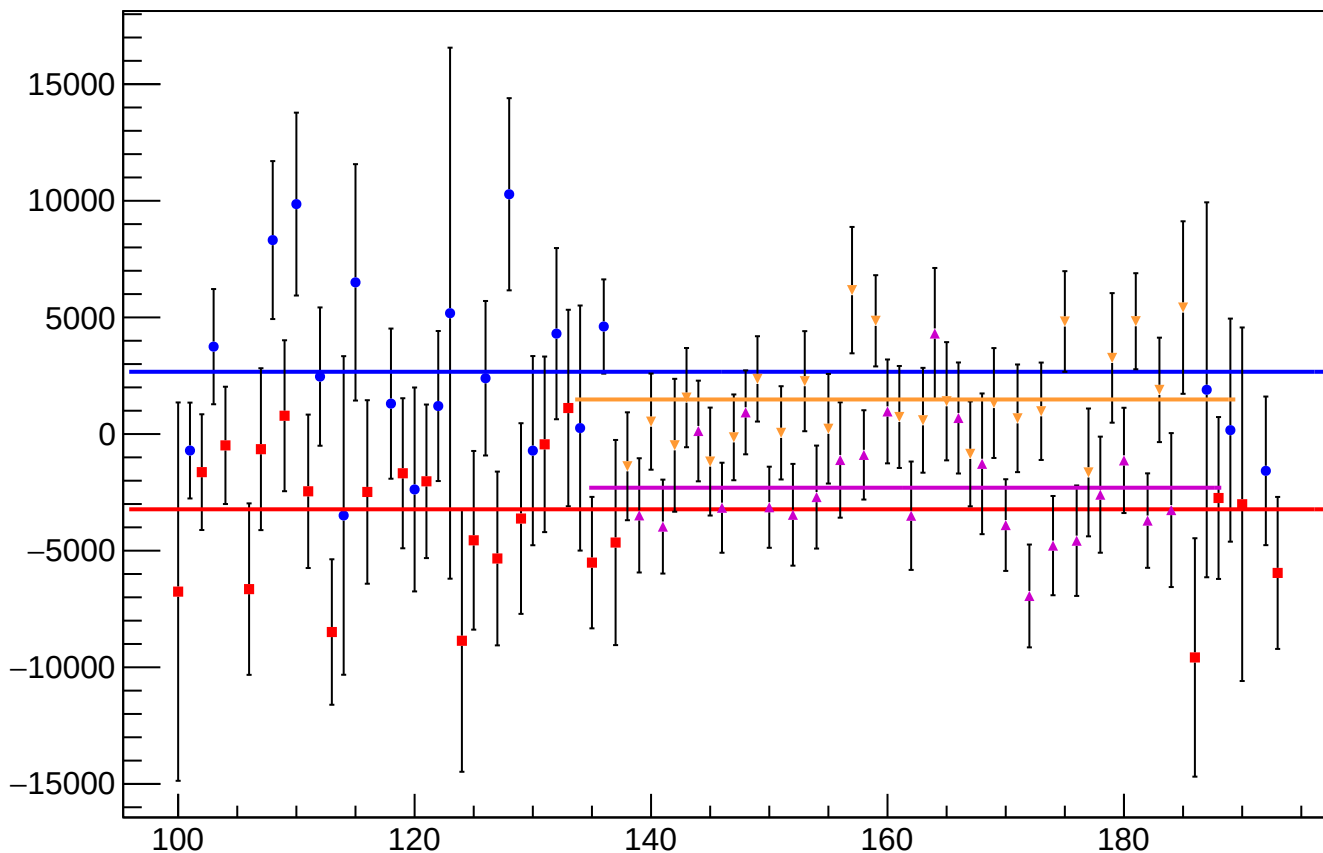
- sign 366.779 ± 316.661 χ^2/NDF : 41.5/45

asym_usr_correction_rms vs Slug



Right In: 1733.013+/-0.447	χ^2/NDF : 1095620.3/19	+ sign 1577.158+/-0.222	χ^2/NDF : 2010403.8/44
Left Out: 1526.391+/-0.255	χ^2/NDF : 753714.4/24	All: 1587.850+/-0.158	χ^2/NDF : 4537675.2/90
Right Out: 1862.335+/-0.443	χ^2/NDF : 1116800.5/22	- sign 1598.761+/-0.224	χ^2/NDF : 2522569.8/45
Left In: 1508.581+/-0.259	χ^2/NDF : 931684.8/22		

asym_usr_mean vs Slug



Right In: 2669.457 $\pm$ 765.905 χ^2 /NDF: 19.7/19

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

Right Out: -3226.352 $\pm$ 743.991 χ^2 /NDF: 14.1/22

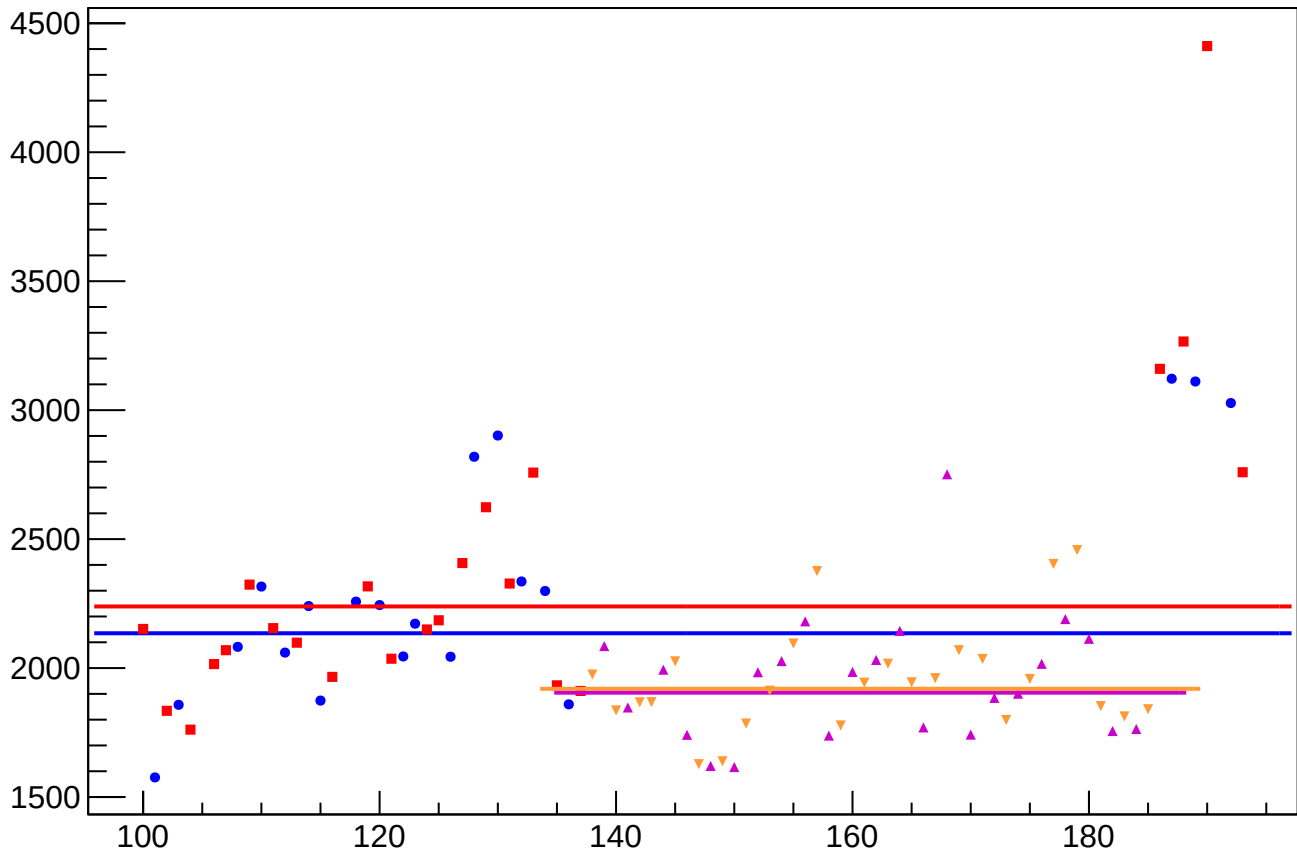
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1786.977 $\pm$ 387.977 χ^2 /NDF: 42.4/44

All: -369.686 $\pm$ 275.286 χ^2 /NDF: 144.7/90

- sign -2556.319 $\pm$ 390.664 χ^2 /NDF: 40.1/45

asym_usr_rms vs Slug



Right In: 2134.982 $\pm$ 0.542 χ^2 /NDF: 634698.0/19

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

Right Out: 2238.922 $\pm$ 0.526 χ^2 /NDF: 707320.1/22

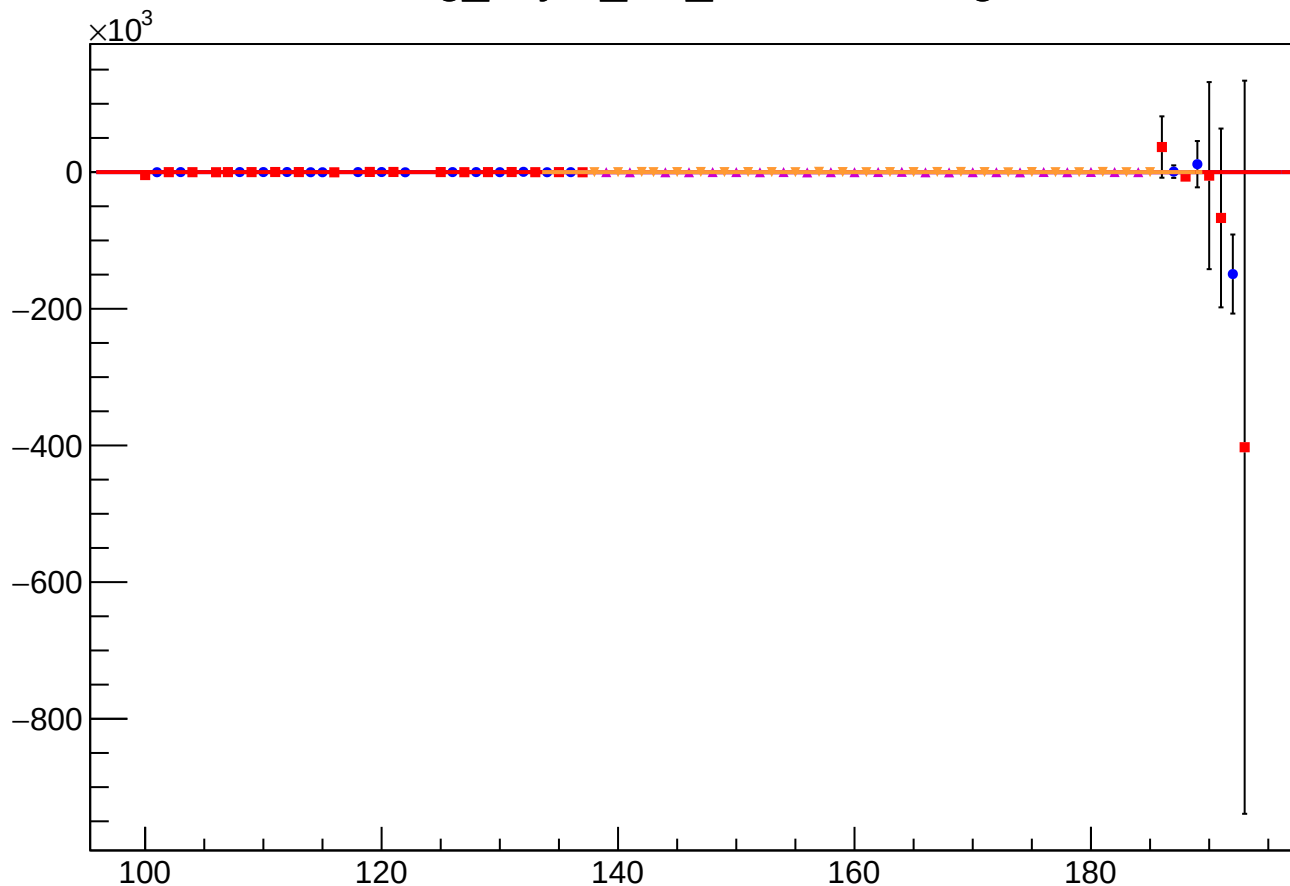
Left In: 1904.629 $\pm$ 0.325 χ^2 /NDF: 447350.7/22

+ sign 1974.966 $\pm$ 0.274 χ^2 /NDF: 1118348.6/44

All: 1985.808 $\pm$ 0.195 χ^2 /NDF: 2568617.4/90

- sign 1996.801 $\pm$ 0.276 χ^2 /NDF: 1447123.4/45

reg_asym_dsl_mean vs Slug



Right In: -0.805 ± 36.771 χ^2/NDF : 23.3/18

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

Right Out: -1.743 ± 36.755 χ^2/NDF : 16.7/22

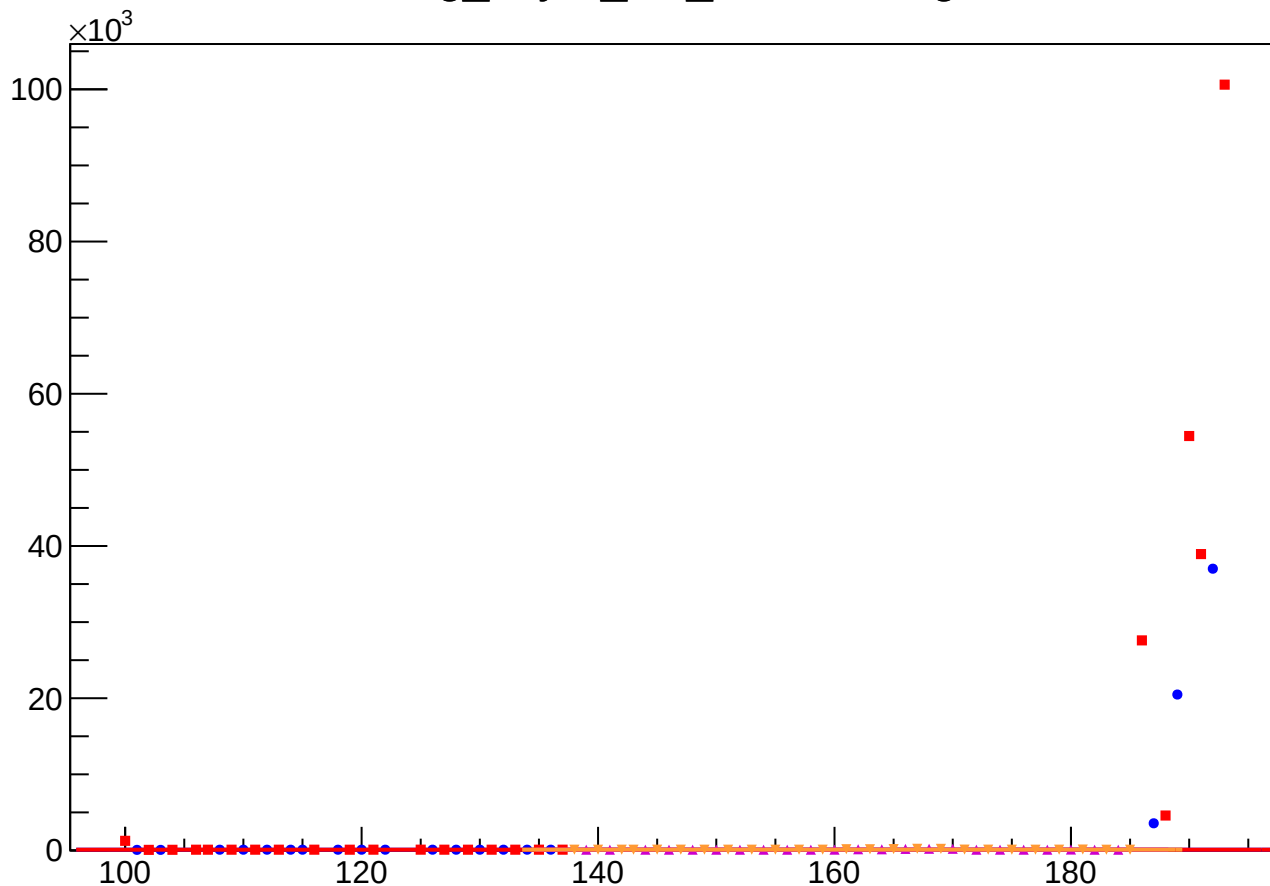
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 4.866 ± 20.995 χ^2/NDF : 59.8/43

All: -5.835 ± 14.991 χ^2/NDF : 113.7/89

- sign -16.966 ± 21.412 χ^2/NDF : 53.4/45

reg_asym_dsl_rms vs Slug



Right In: 94.142 $\pm$ 0.026 χ^2 /NDF: 1989805.7/18

Left Out: 107.590 $\pm$ 0.018 χ^2 /NDF: 1447372.1/24

Right Out: 96.592 $\pm$ 0.026 χ^2 /NDF: 2983576.5/22

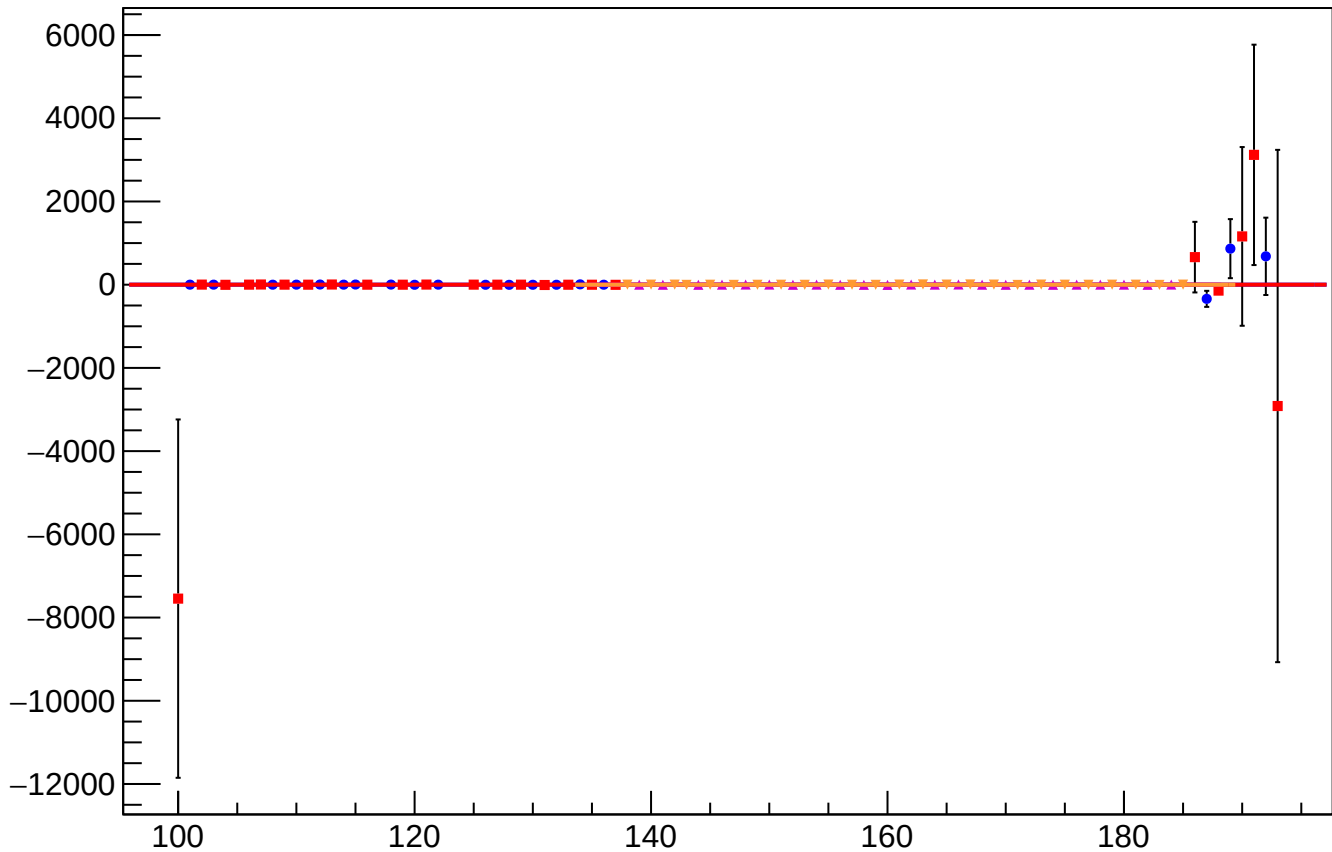
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.206 $\pm$ 0.015 χ^2 /NDF: 3617470.6/43

All: 103.552 $\pm$ 0.011 χ^2 /NDF: 8213280.0/89

- sign 103.912 $\pm$ 0.015 χ^2 /NDF: 4594700.6/45

asym_dsl_correction_mean vs Slug



Right In: 0.387 ± 0.617 χ^2/NDF : 15.6/18

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

Right Out: 0.339 ± 0.644 χ^2/NDF : 25.5/22

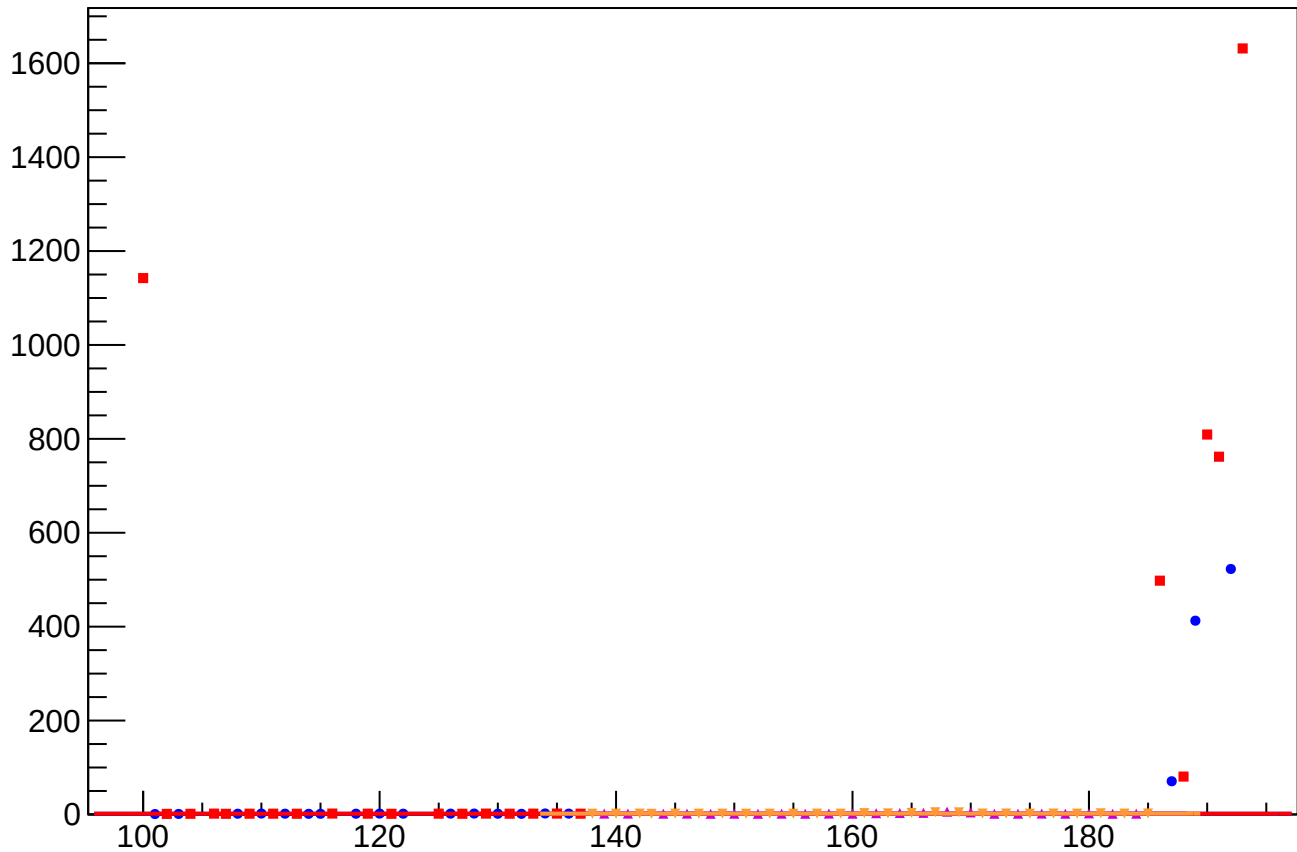
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.354 ± 0.368 χ^2/NDF : 51.9/43

All: -0.107 ± 0.267 χ^2/NDF : 103.4/89

- sign 0.166 ± 0.387 χ^2/NDF : 50.6/45

asym_dsl_correction_rms vs Slug



Right In: 1.421+/-0.000 χ^2/NDF : 2273180.3/18

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

Right Out: 1.558+/-0.000 χ^2/NDF : 2790911.6/22

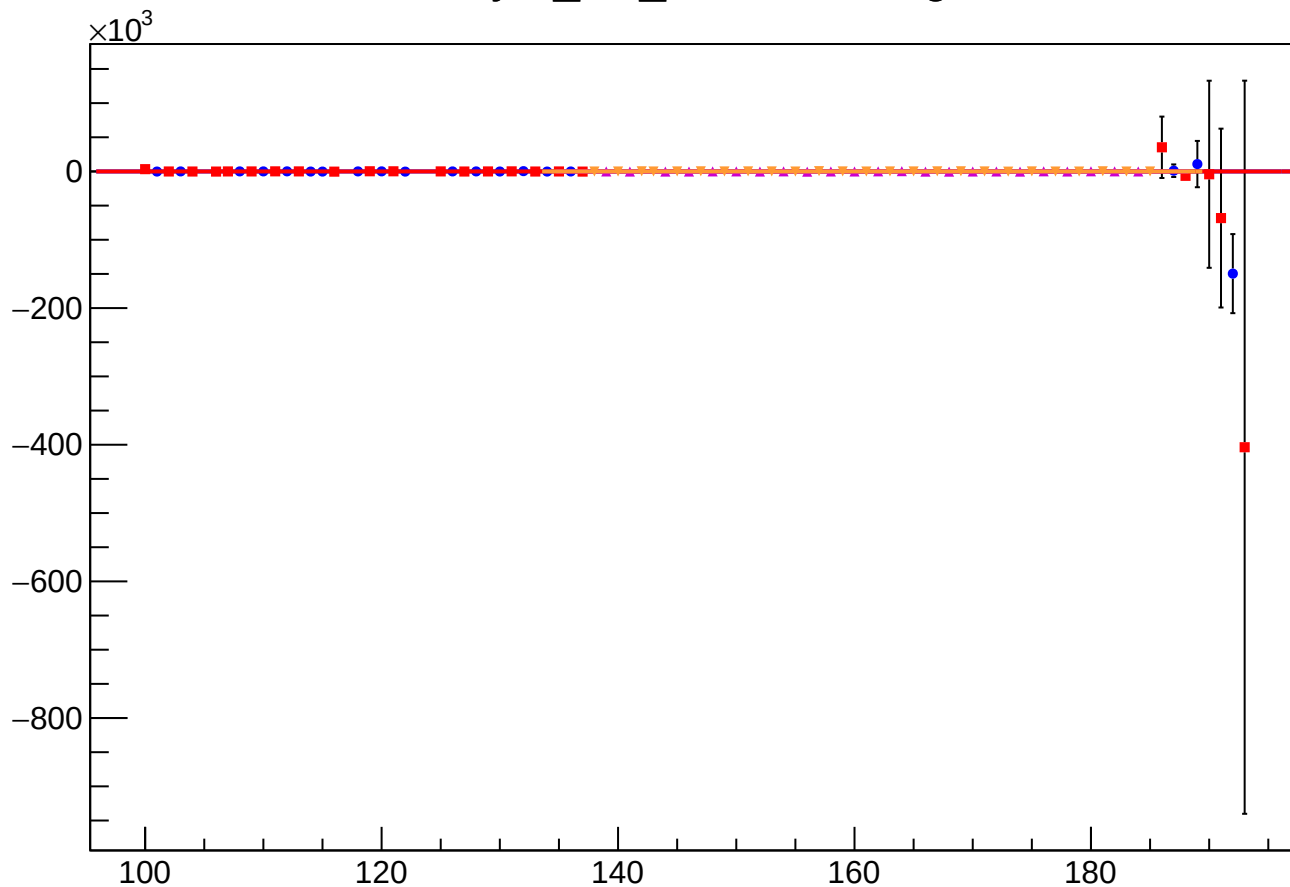
Left In: 1.802+/-0.000 χ^2/NDF :1921298.2/22

+ sign 1.630+/-0.000 χ^2/NDF : 4314238.9/43

All: 1.670+/-0.000 χ^2/NDF : 9258899.6/89

- sign 1.714+/-0.000 χ^2/NDF : 4895578.9/45

asym_dsl_mean vs Slug



Right In: -0.504 ± 36.781 χ^2/NDF : 23.5/18

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

Right Out: -1.503 ± 36.765 χ^2/NDF : 16.2/22

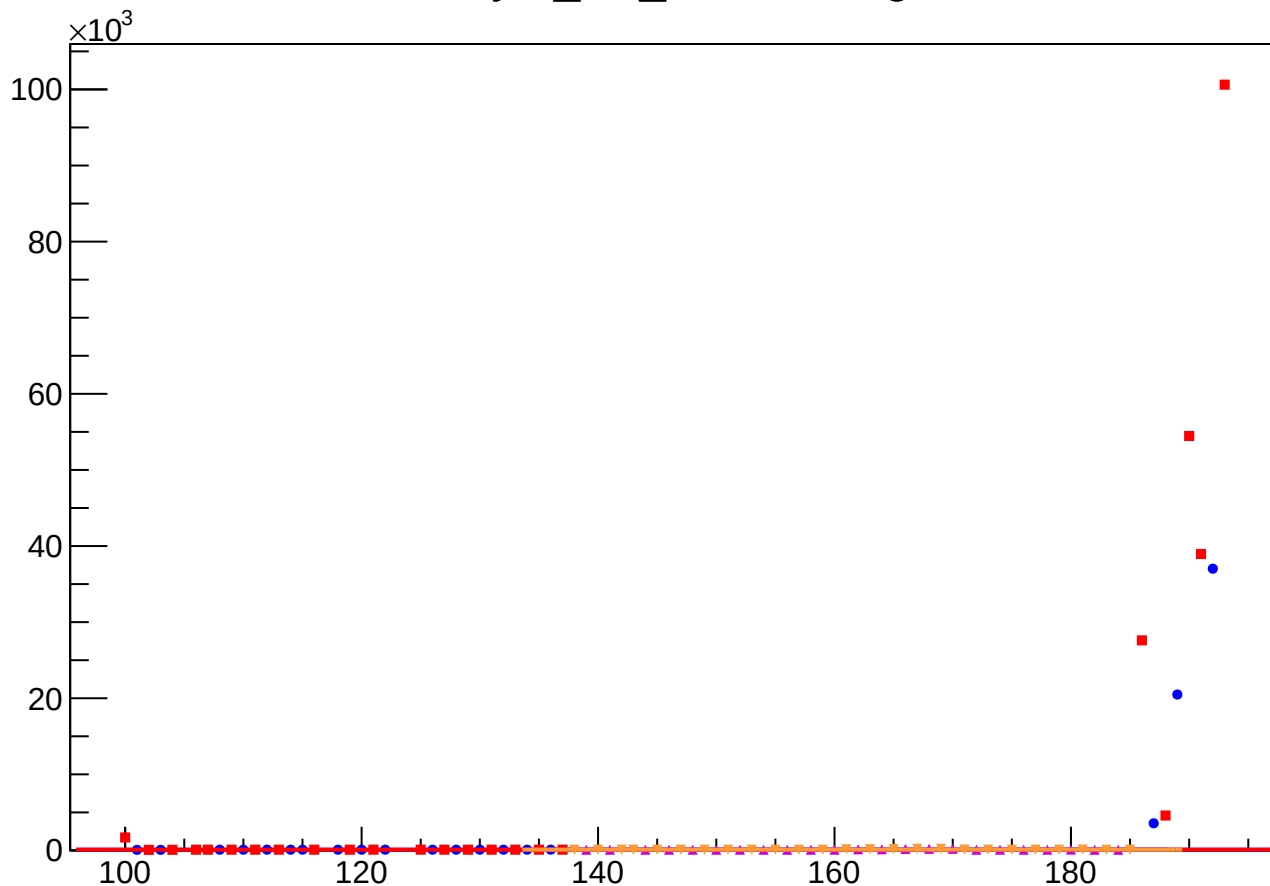
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 5.505 ± 21.001 χ^2/NDF : 59.8/43

All: -5.640 ± 14.995 χ^2/NDF : 112.6/89

- sign -17.232 ± 21.418 χ^2/NDF : 52.2/45

asym_dsl_rms vs Slug



Right In: 94.166 $\pm$ 0.026 χ^2 /NDF: 1989793.4/18

Left Out: 107.620 $\pm$ 0.018 χ^2 /NDF: 1448769.2/24

Right Out: 96.600 $\pm$ 0.026 χ^2 /NDF: 2988747.9/22

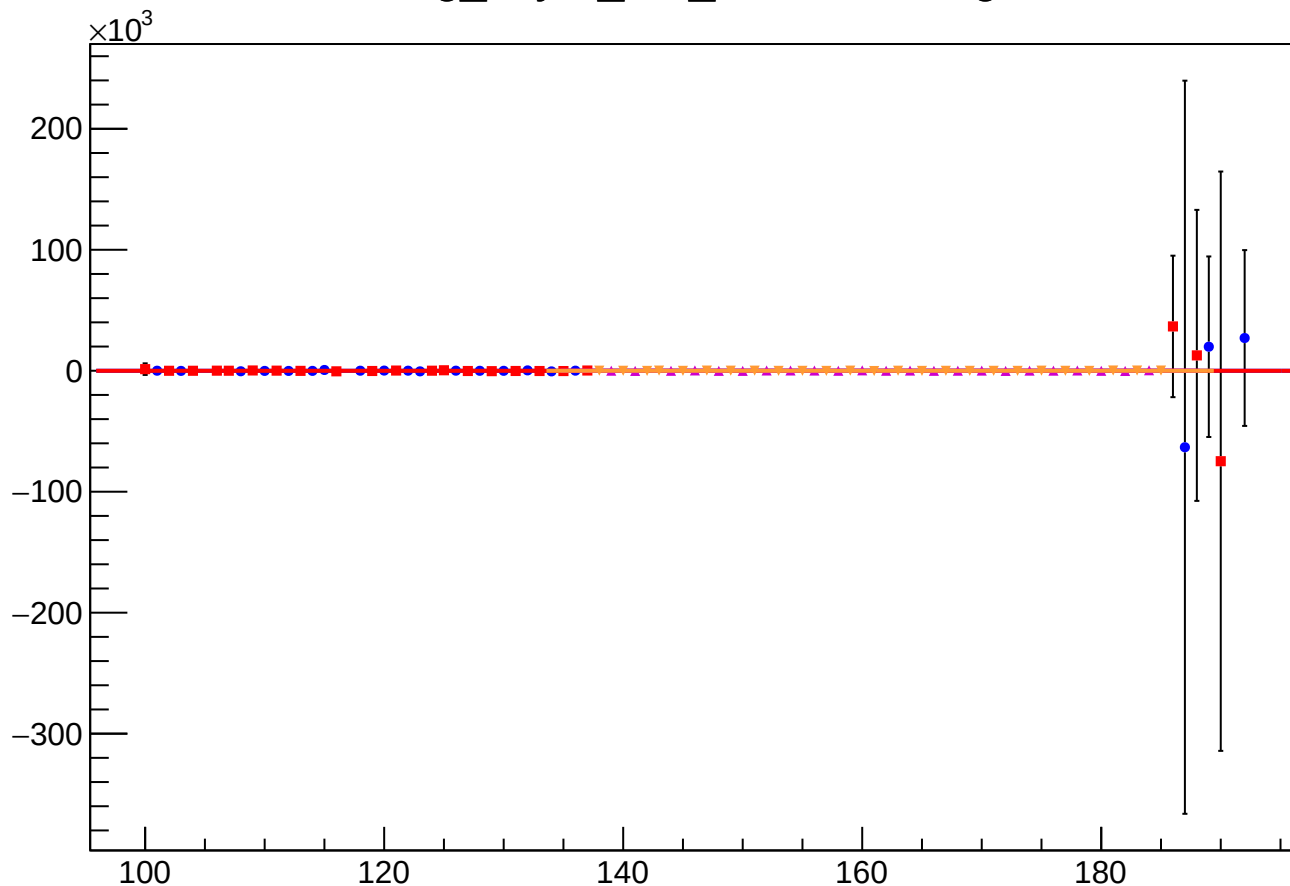
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.234 $\pm$ 0.015 χ^2 /NDF: 3618923.3/43

All: 103.578 $\pm$ 0.011 χ^2 /NDF: 8221597.4/89

- sign 103.935 $\pm$ 0.015 χ^2 /NDF: 4601581.6/45

reg_asym_dsr_mean vs Slug



Right In: -26.780 ± 46.841 χ^2/NDF : 14.7/19

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

Right Out: -53.361 ± 47.775 χ^2/NDF : 15.9/21

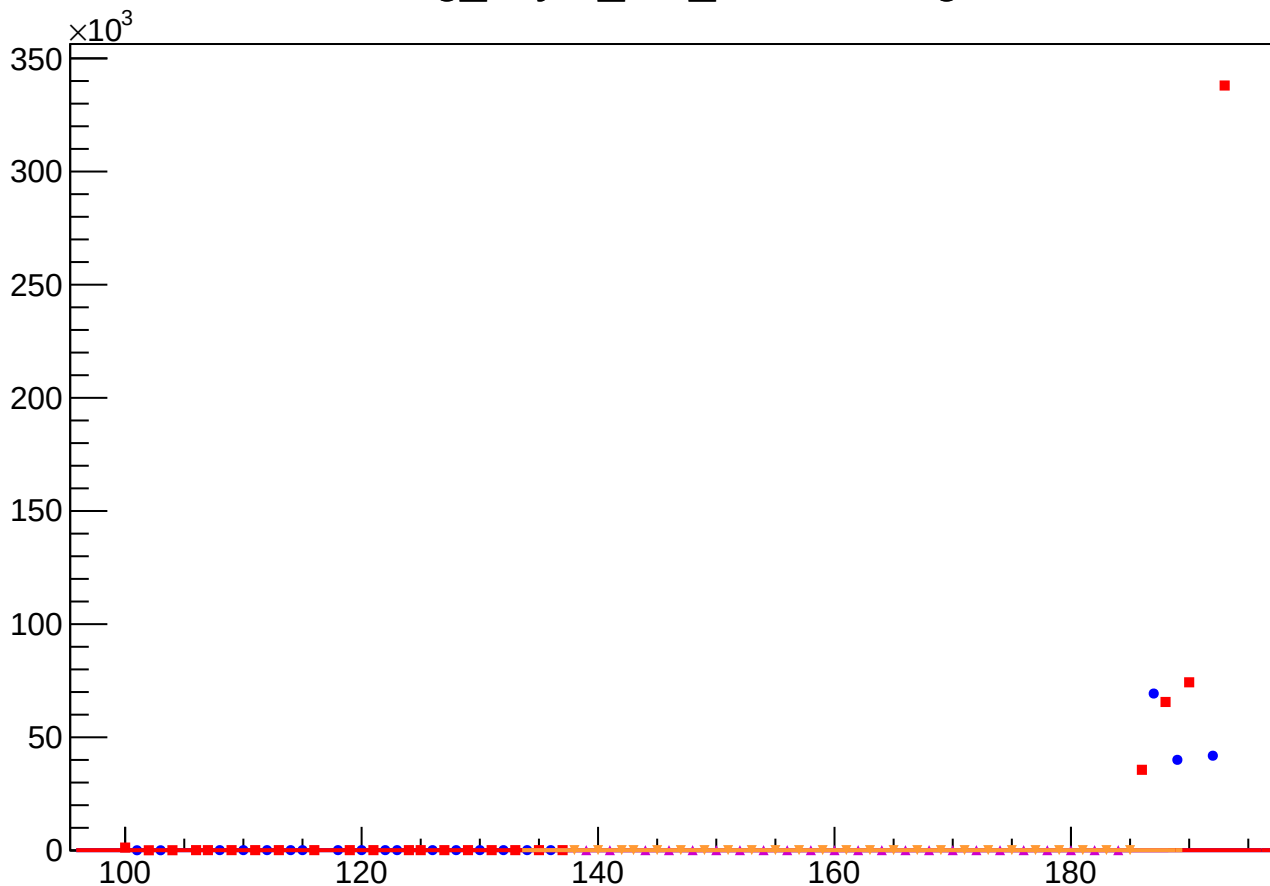
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.280 ± 26.458 χ^2/NDF : 26.7/44

All: 4.353 ± 18.939 χ^2/NDF : 67.5/89

- sign 27.084 ± 27.121 χ^2/NDF : 39.4/44

reg_asym_dsr_rms vs Slug



Right In: 117.798 $\pm$ 0.033 χ^2 /NDF: 2071378.0/19

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

Right Out: 124.764 $\pm$ 0.034 χ^2 /NDF: 2321482.9/22

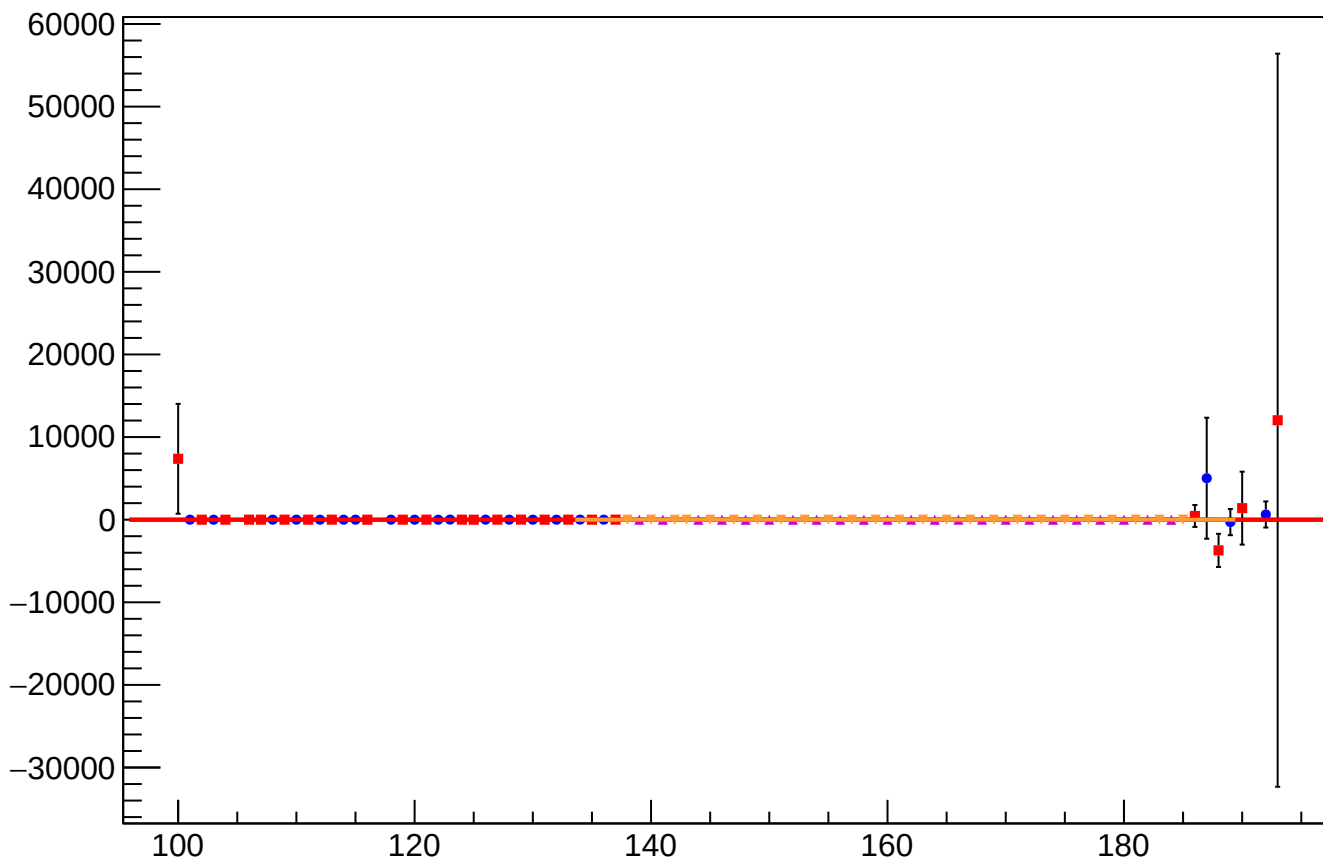
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.457 $\pm$ 0.019 χ^2 /NDF: 2321564.6/44

All: 132.503 $\pm$ 0.013 χ^2 /NDF: 4750906.3/90

- sign 133.602 $\pm$ 0.019 χ^2 /NDF: 2422930.0/45

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 12.9/19

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

Right Out: 0.638 ± 0.852 χ^2/NDF : 18.4/22

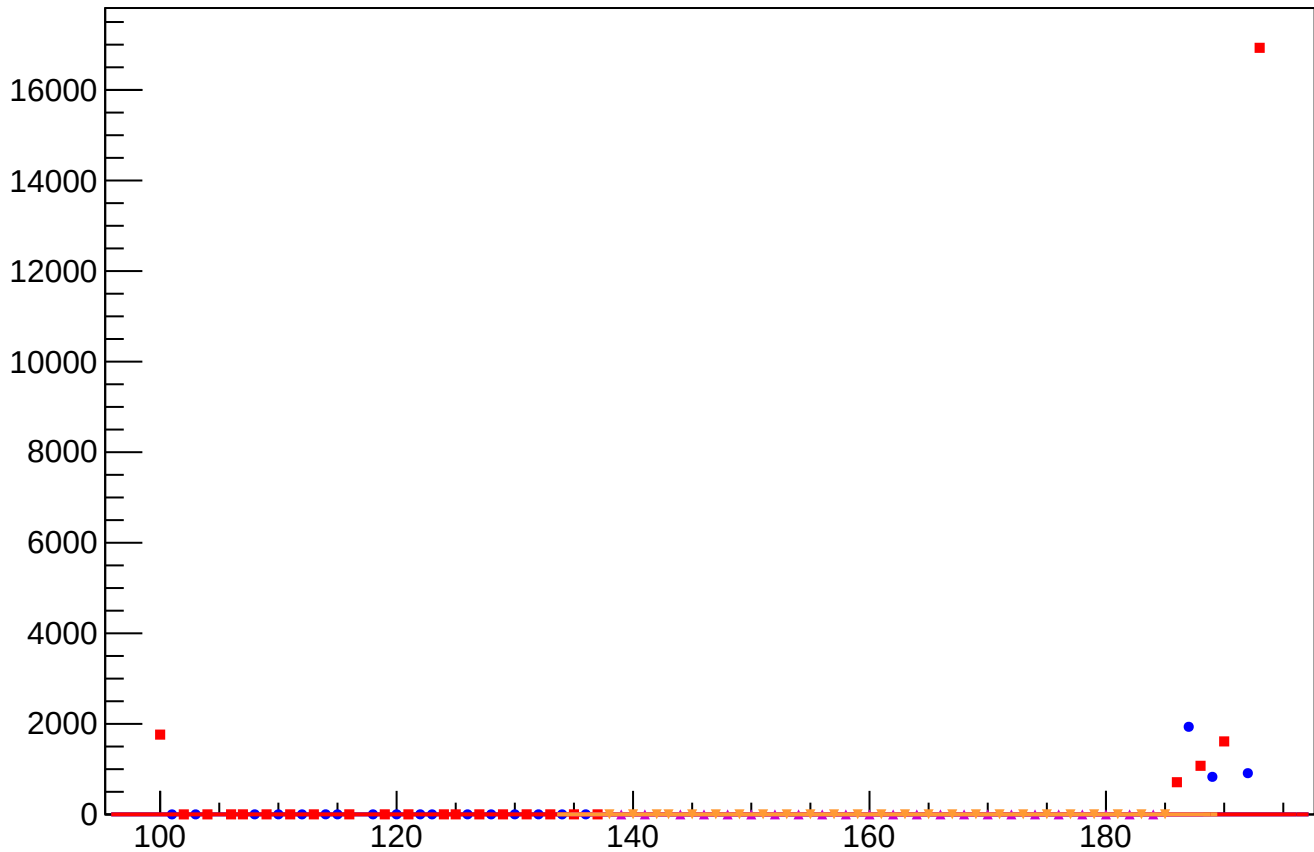
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 43.3/44

All: 0.046 ± 0.334 χ^2/NDF : 83.3/90

- sign 0.003 ± 0.479 χ^2/NDF : 39.9/45

asym_dsr_correction_rms vs Slug



Right In: 1.866 $\pm$ 0.001 χ^2 /NDF: 1838789.0/19

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

Right Out: 2.064 $\pm$ 0.001 χ^2 /NDF: 2229424.0/22

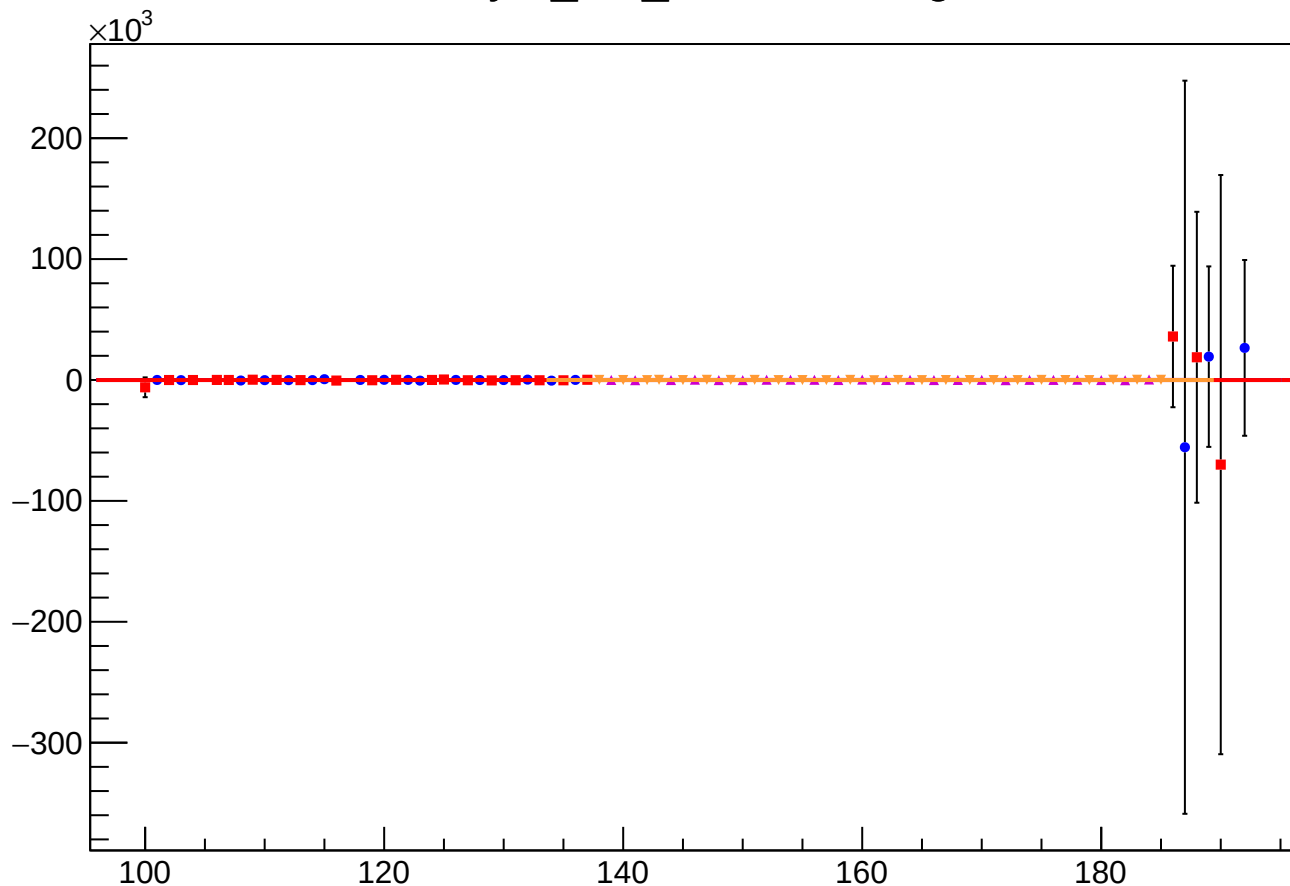
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 2532900.5/44

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 5306672.3/90

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 2771559.3/45

asym_dsr_mean vs Slug



Right In: -25.042 ± 46.854 χ^2/NDF : 14.7/19

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

Right Out: -54.261 ± 47.789 χ^2/NDF : 16.6/21

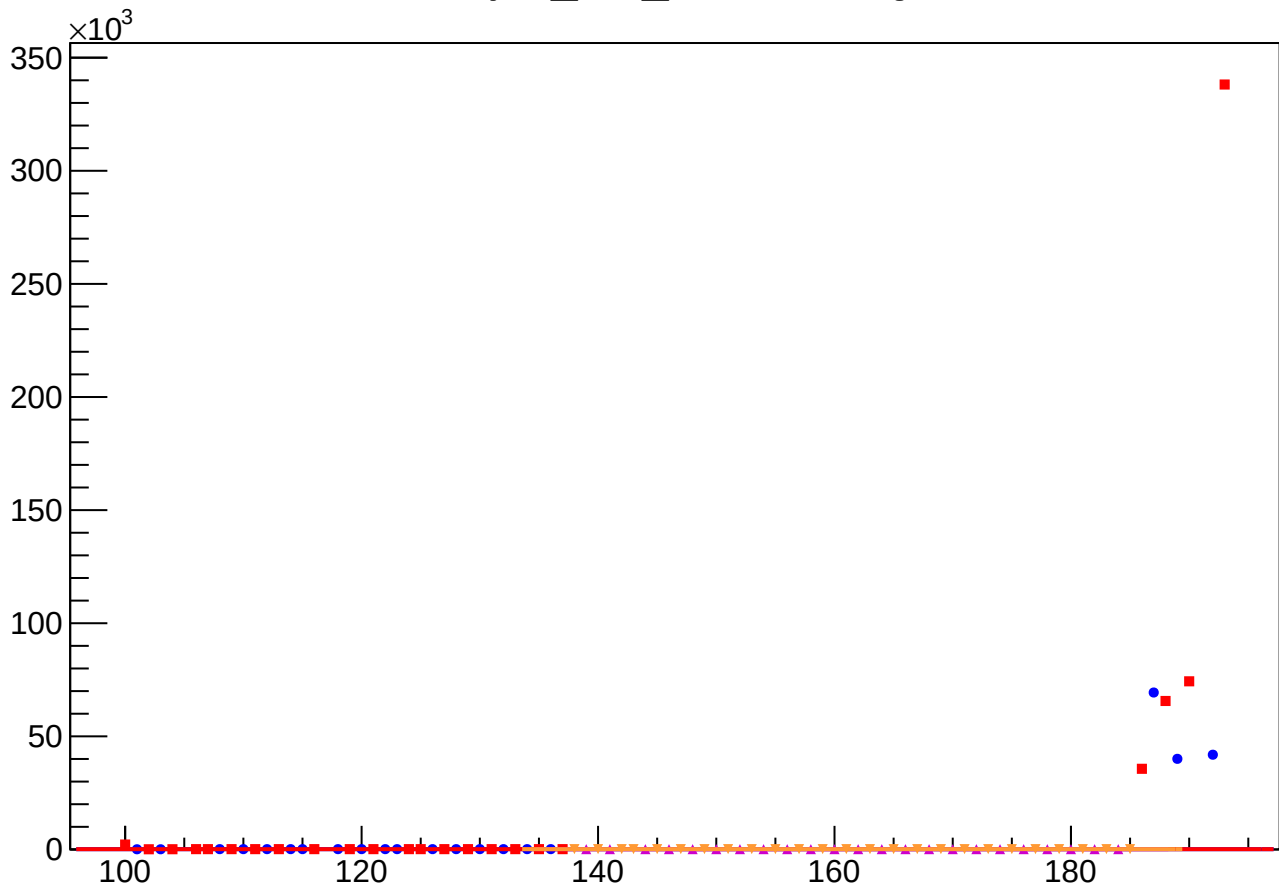
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.103 ± 26.465 χ^2/NDF : 26.6/44

All: 4.268 ± 18.944 χ^2/NDF : 68.1/89

- sign 26.724 ± 27.129 χ^2/NDF : 40.2/44

asym_dsr_rms vs Slug



Right In: 117.830 $\pm$ 0.033 χ^2 /NDF: 2071423.1/19

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

Right Out: 124.753 $\pm$ 0.034 χ^2 /NDF: 2332073.2/22

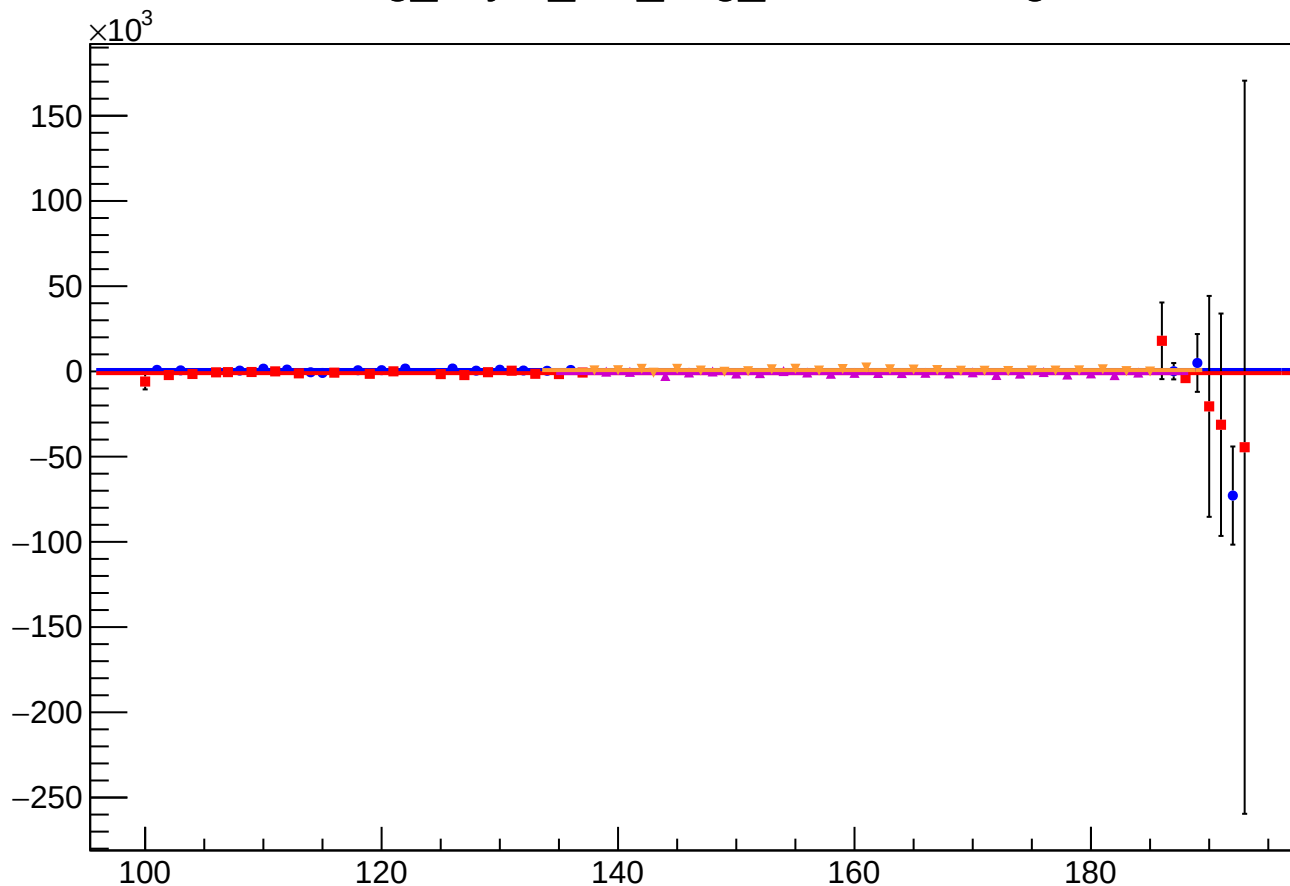
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.493 $\pm$ 0.019 χ^2 /NDF: 2321640.8/44

All: 132.533 $\pm$ 0.013 χ^2 /NDF: 4762200.9/90

- sign 133.625 $\pm$ 0.019 χ^2 /NDF: 2434232.4/45

reg_asym_left_avg_mean vs Slug



Right In: 842.045 ± 216.421 χ^2/NDF : 11.9/18

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

Right Out: -1012.520 ± 212.648 χ^2/NDF : 16.2/22

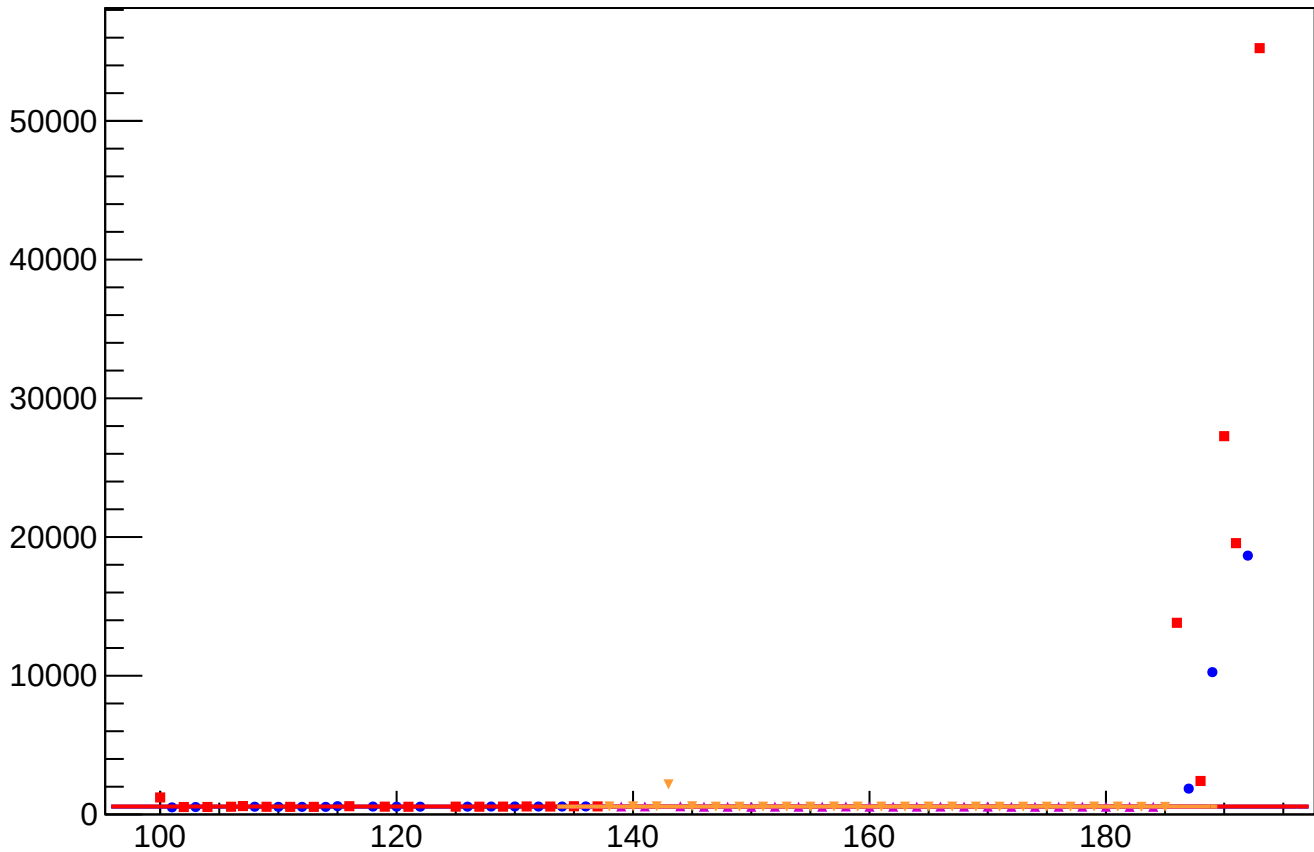
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 796.982 ± 113.841 χ^2/NDF : 31.5/43

All: -93.474 ± 80.530 χ^2/NDF : 197.6/89

- sign -985.344 ± 113.931 χ^2/NDF : 43.6/45

reg_asym_left_avg_rms vs Slug



Right In: 562.142+/-0.153 χ^2/NDF : 1614385.0/18

Left Out: 568.874+/-0.095 χ^2/NDF : 853714.5/24

Right Out: 574.650+/-0.150 χ^2/NDF : 2250618.3/22

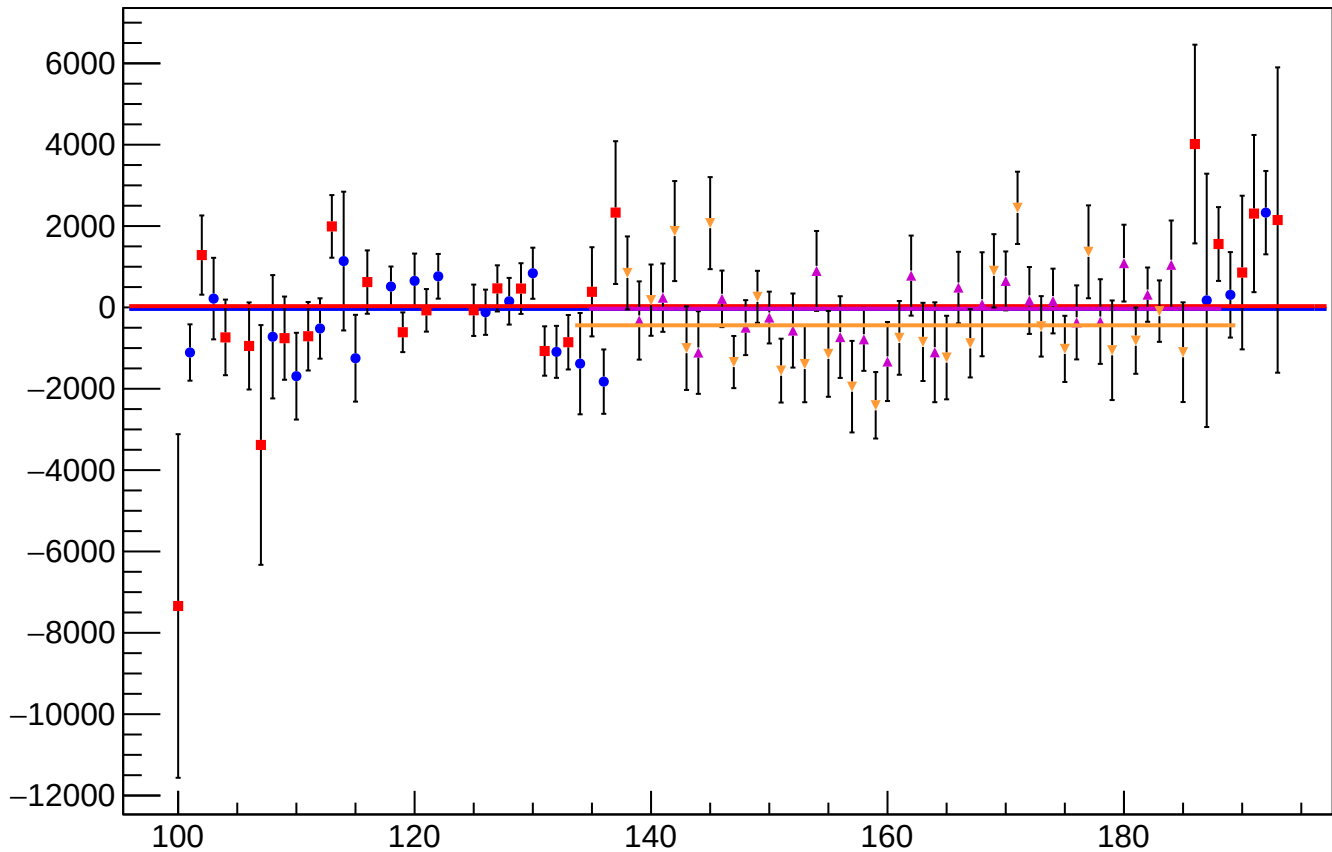
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 567.012+/-0.080 χ^2/NDF : 2469499.3/43

All: 567.171+/-0.057 χ^2/NDF : 4732659.0/89

- sign 567.330+/-0.081 χ^2/NDF : 2263151.9/45

asym_left_avg_correction_mean vs Slug



Right In: -37.138 ± 175.258 χ^2/NDF : 28.2/18

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

Right Out: 30.779 ± 173.822 χ^2/NDF : 33.1/22

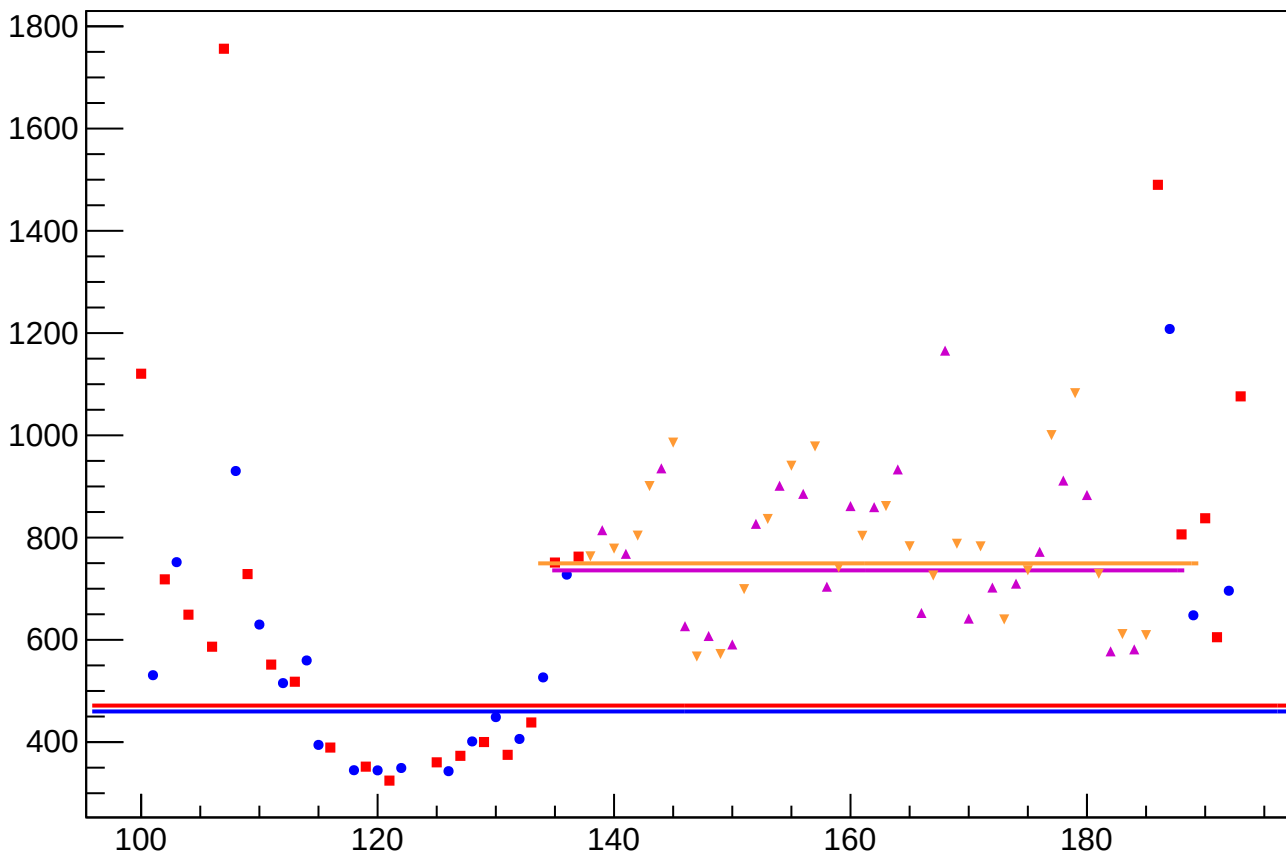
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -235.585 ± 124.844 χ^2/NDF : 74.3/43

All: -117.701 ± 88.279 χ^2/NDF : 121.5/89

- sign 0.187 ± 124.847 χ^2/NDF : 45.4/45

asym_left_avg_correction_rms vs Slug



Right In: 459.947 $\pm$ 0.124 χ^2 /NDF: 1352930.4/18

Left Out: 749.578 $\pm$ 0.126 χ^2 /NDF:1053455.5/24

Right Out: 471.449 $\pm$ 0.123 χ^2 /NDF: 2248794.2/22

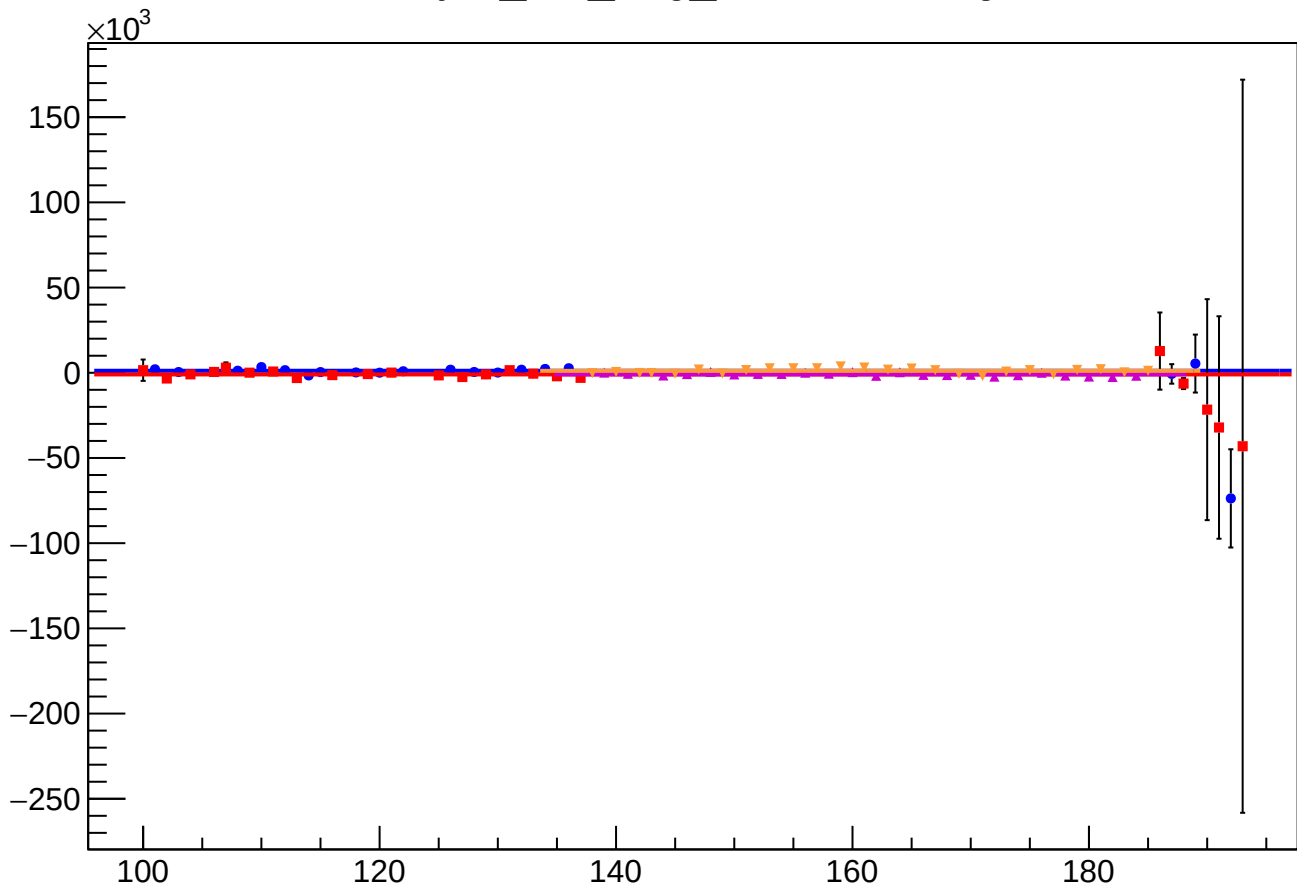
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 602.609 $\pm$ 0.088 χ^2 /NDF: 5096853.6/43

All: 601.031 $\pm$ 0.062 χ^2 /NDF: 10691996.5/89

- sign 599.453 $\pm$ 0.088 χ^2 /NDF: 5594503.8/45

asym_left_avg_mean vs Slug



Right In: 1184.584+/-295.643 χ^2/NDF : 18.6/18

Left Out: 1128.601+/-228.001 χ^2/NDF : 39.1/24

Right Out: -986.350+/-292.971 χ^2/NDF : 26.6/22

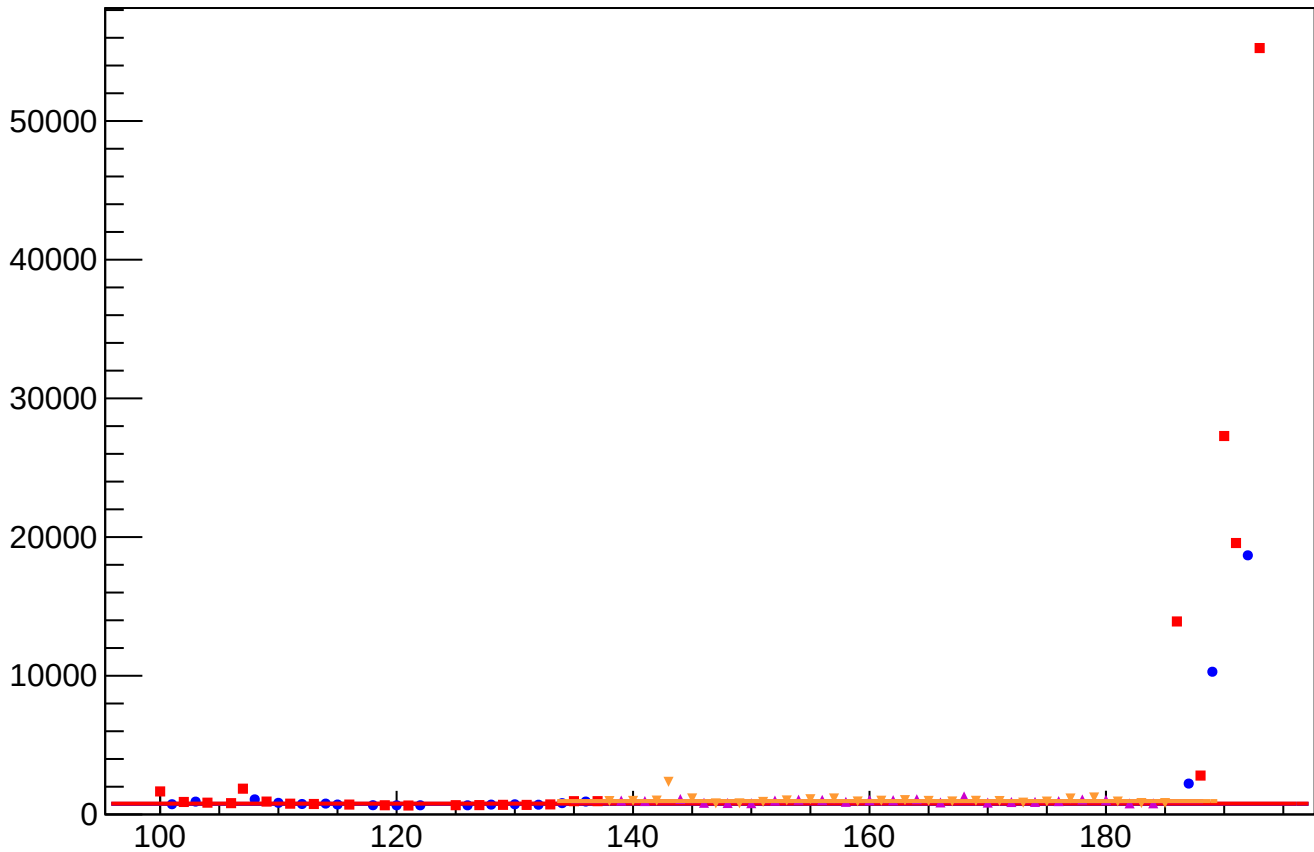
Left In: -941.702+/-228.324 χ^2/NDF : 14.8/22

+ sign 1149.480+/-180.547 χ^2/NDF : 57.8/43

All: 92.793+/-127.505 χ^2/NDF : 167.5/89

- sign -958.573+/-180.092 χ^2/NDF : 41.4/45

asym_left_avg_rms vs Slug



Right In: 762.509 $\pm$ 0.209 χ^2 /NDF: 1786682.7/18

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

Right Out: 782.437 $\pm$ 0.207 χ^2 /NDF: 2623798.1/22

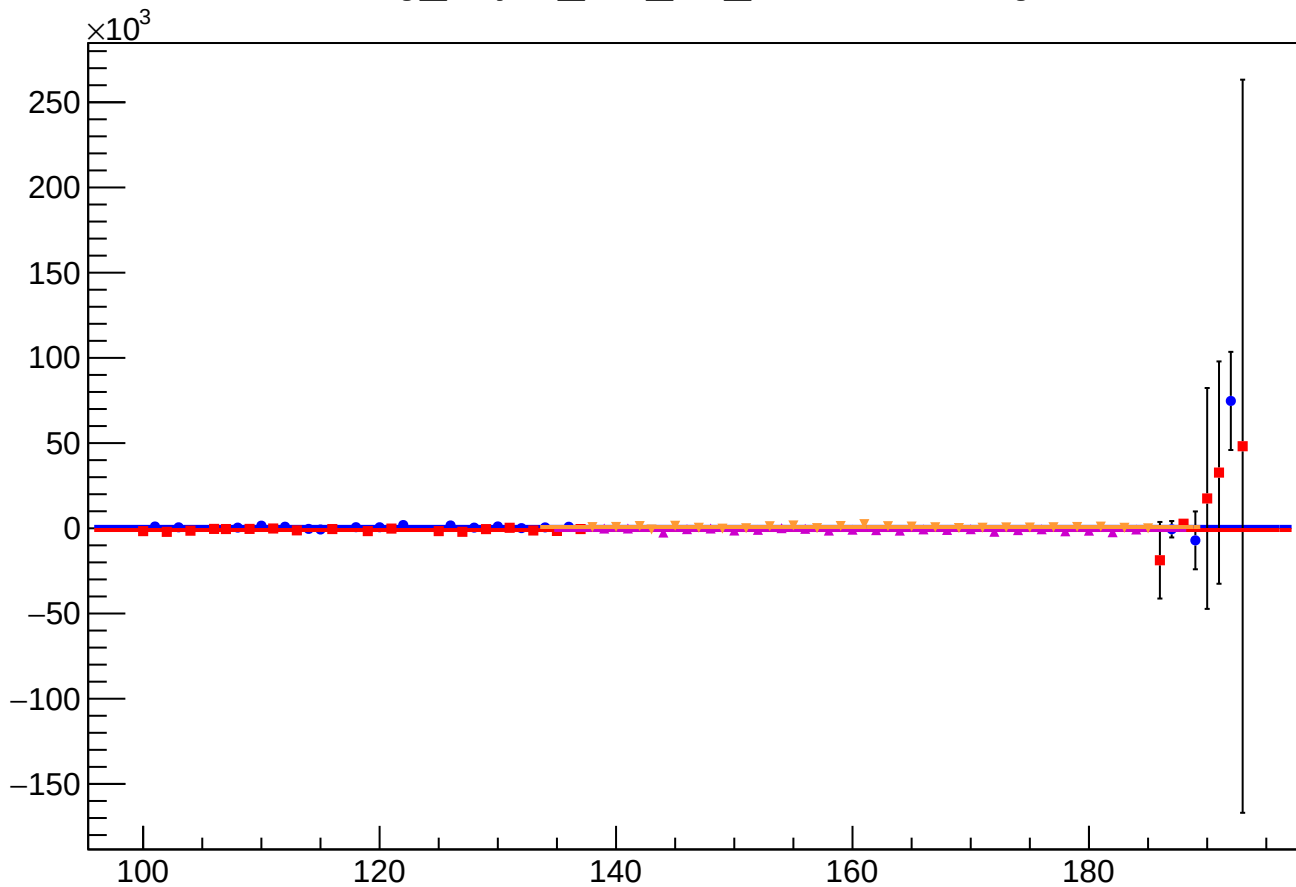
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF: 501366.9/22

+ sign 889.164 $\pm$ 0.128 χ^2 /NDF: 3374823.3/43

All: 886.852 $\pm$ 0.090 χ^2 /NDF: 6891188.8/89

- sign 884.551 $\pm$ 0.127 χ^2 /NDF: 3515711.3/45

reg_asym_left_dd_mean vs Slug



Right In: 845.422 ± 216.255 χ^2/NDF : 13.0/18

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

Right Out: -1003.980 ± 207.658 χ^2/NDF : 15.1/22

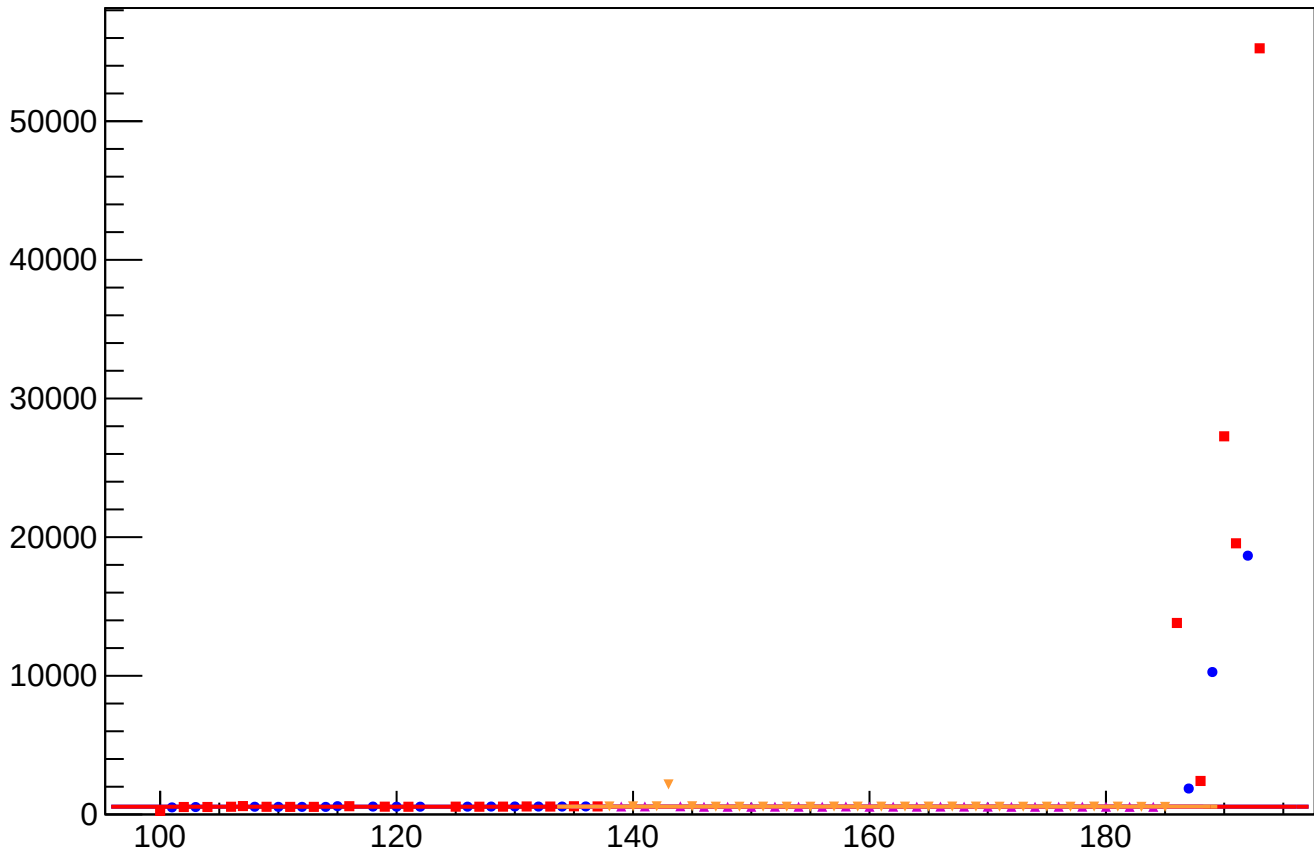
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 778.793 ± 113.749 χ^2/NDF : 34.5/43

All: -101.756 ± 80.195 χ^2/NDF : 195.6/89

- sign -971.998 ± 113.081 χ^2/NDF : 42.0/45

reg_asym_left_dd_rms vs Slug



Right In: 561.693+/-0.153 χ^2/NDF : 1615561.0/18

Left Out: 568.400+/-0.095 χ^2/NDF : 854012.8/24

Right Out: 557.873+/-0.147 χ^2/NDF : 2421835.1/22

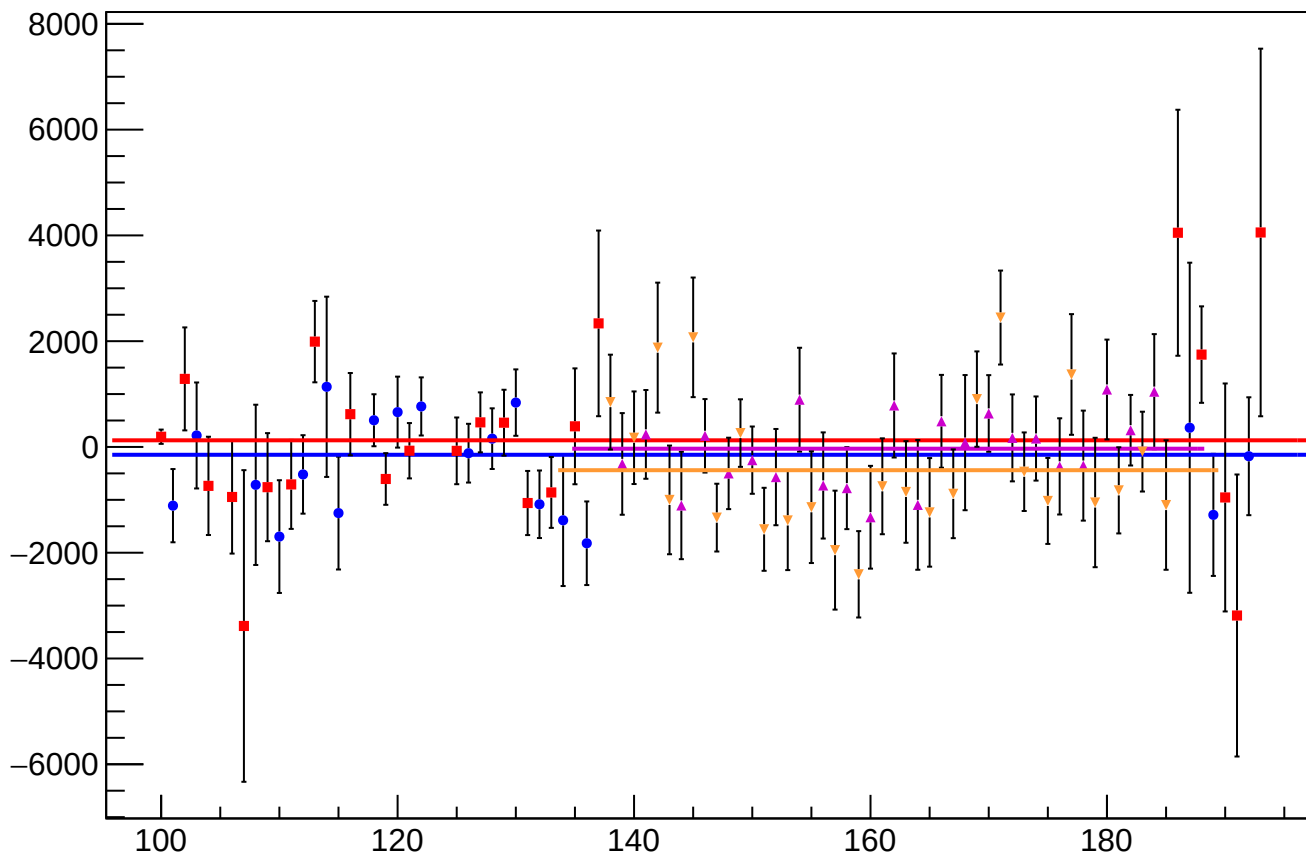
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 566.544+/-0.080 χ^2/NDF : 2470965.2/43

All: 564.328+/-0.057 χ^2/NDF : 4904713.8/89

- sign 562.137+/-0.080 χ^2/NDF : 2432238.2/45

asym_left_dd_correction_mean vs Slug



Right In: -148.073 ± 175.997 χ^2/NDF : 23.5/18

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

Right Out: 125.545 ± 106.725 χ^2/NDF : 32.8/22

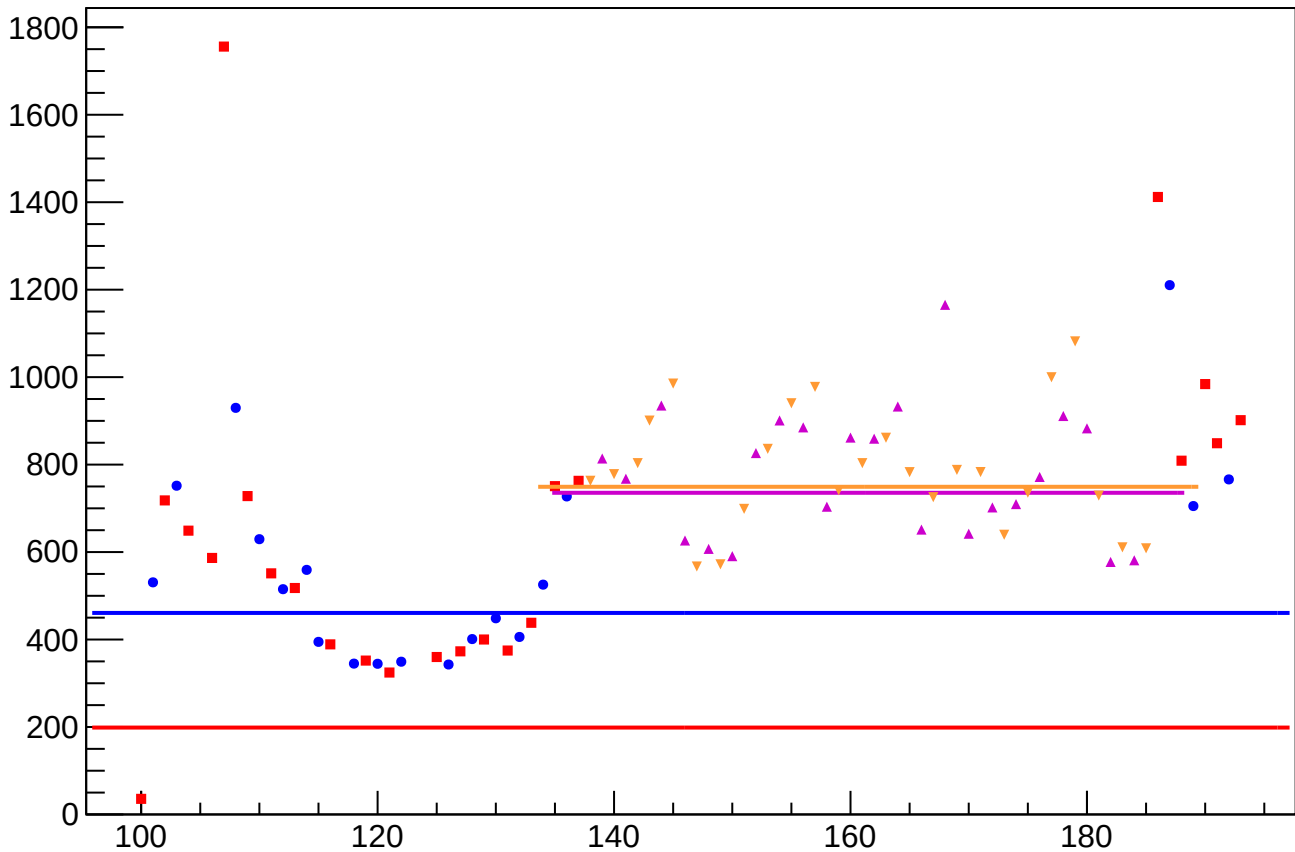
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -292.374 ± 125.084 χ^2/NDF : 68.5/43

All: -47.598 ± 73.964 χ^2/NDF : 119.9/89

- sign 84.002 ± 91.716 χ^2/NDF : 45.5/45

asym_left_dd_correction_rms vs Slug



Right In: 460.826 $\pm$ 0.124 χ^2 /NDF: 1424417.9/18

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

Right Out: 198.681 $\pm$ 0.075 χ^2 /NDF: 10015869.5/22

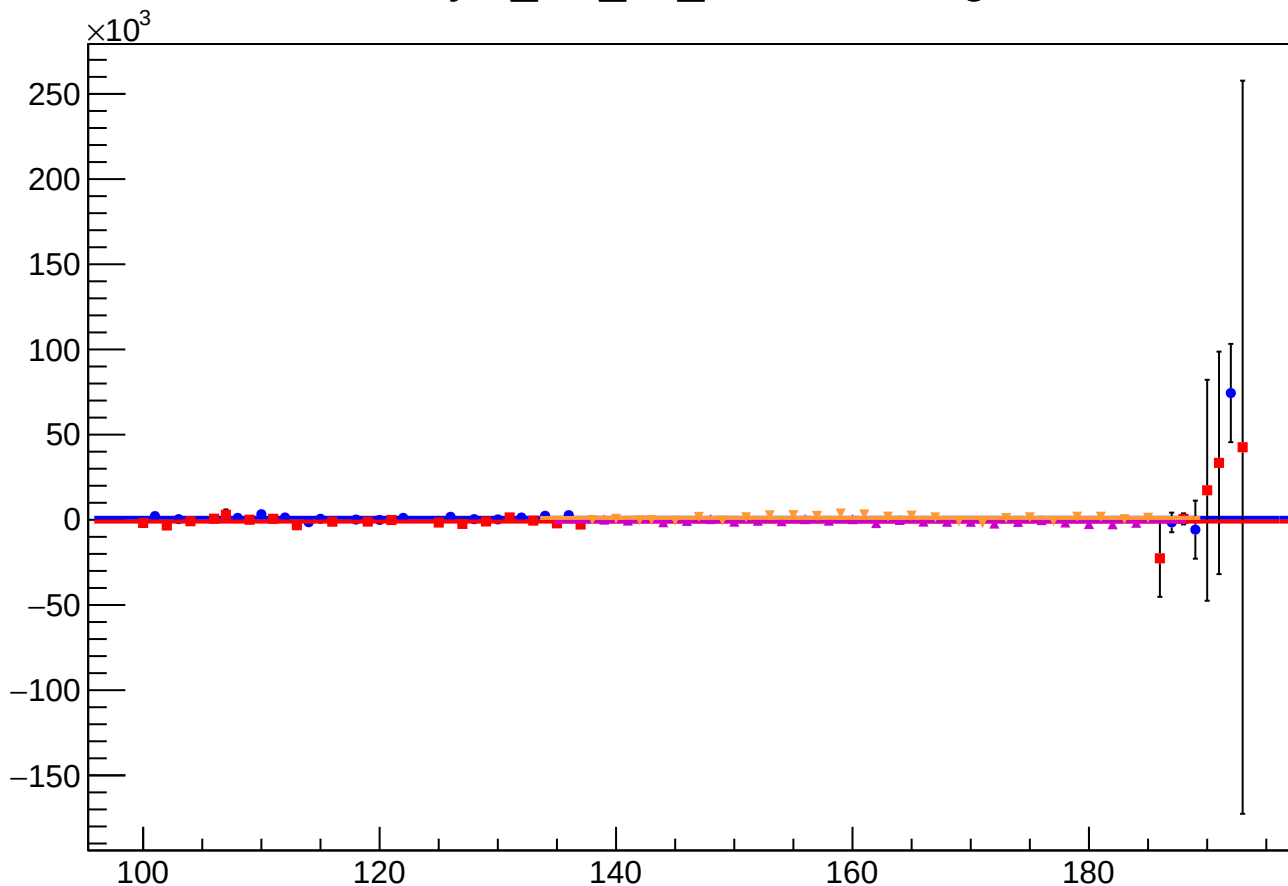
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF:1105222.3/22

+ sign 603.572 $\pm$ 0.088 χ^2 /NDF: 5137289.2/43

All: 431.551 $\pm$ 0.052 χ^2 /NDF: 35308235.2/89

- sign 339.067 $\pm$ 0.065 χ^2 /NDF: 24354771.1/45

asym_left_dd_mean vs Slug



Right In: 1185.378 $\pm$ 295.446 χ^2 /NDF: 18.5/18

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

Right Out: -1038.012 $\pm$ 280.546 χ^2 /NDF: 24.0/22

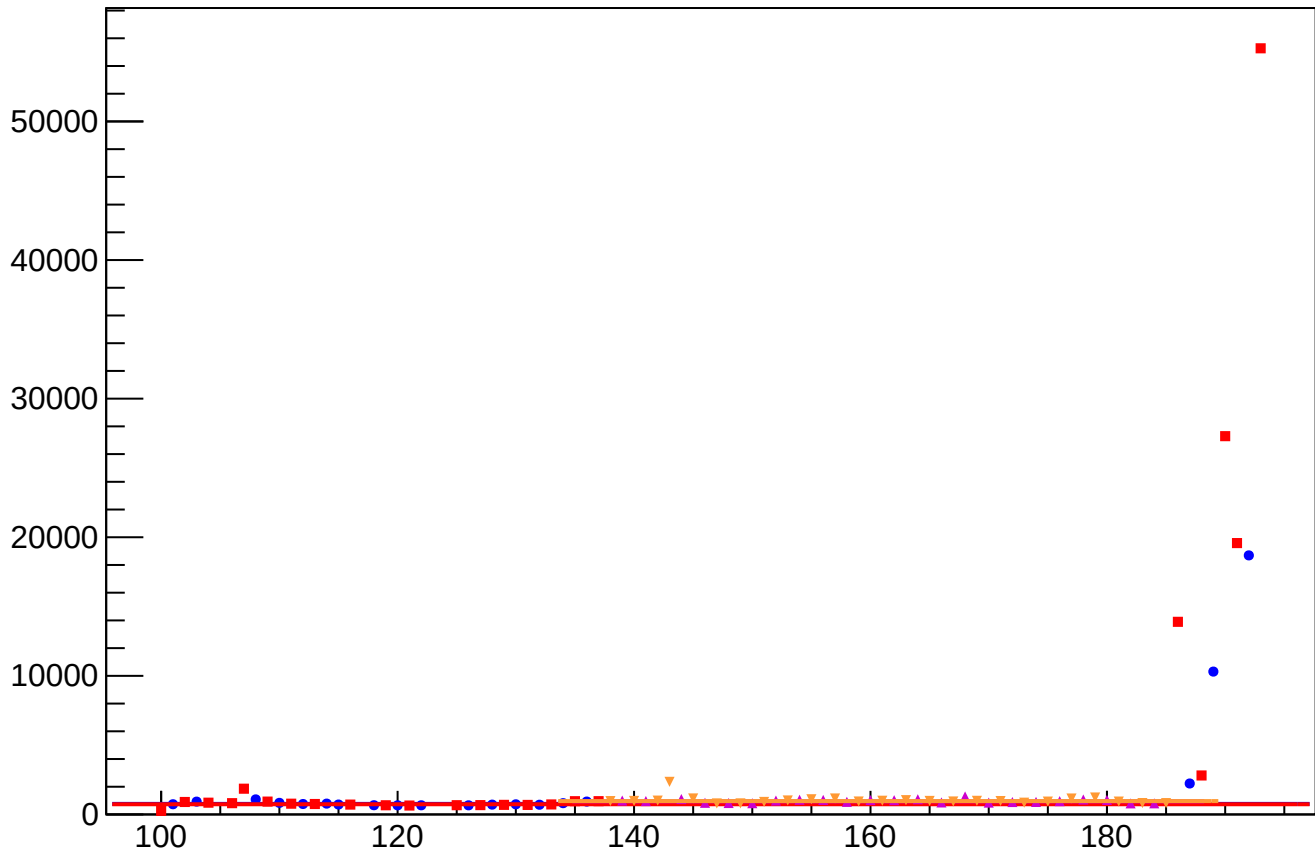
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1129.669 $\pm$ 180.436 χ^2 /NDF: 57.0/43

All: 59.428 $\pm$ 126.366 χ^2 /NDF: 165.2/89

- sign -970.770 $\pm$ 177.028 χ^2 /NDF: 39.2/45

asym_left_dd_rms vs Slug



Right In: 761.970 $\pm$ 0.209 χ^2 /NDF: 1788082.7/18

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

Right Out: 736.108 $\pm$ 0.198 χ^2 /NDF: 3120980.8/22

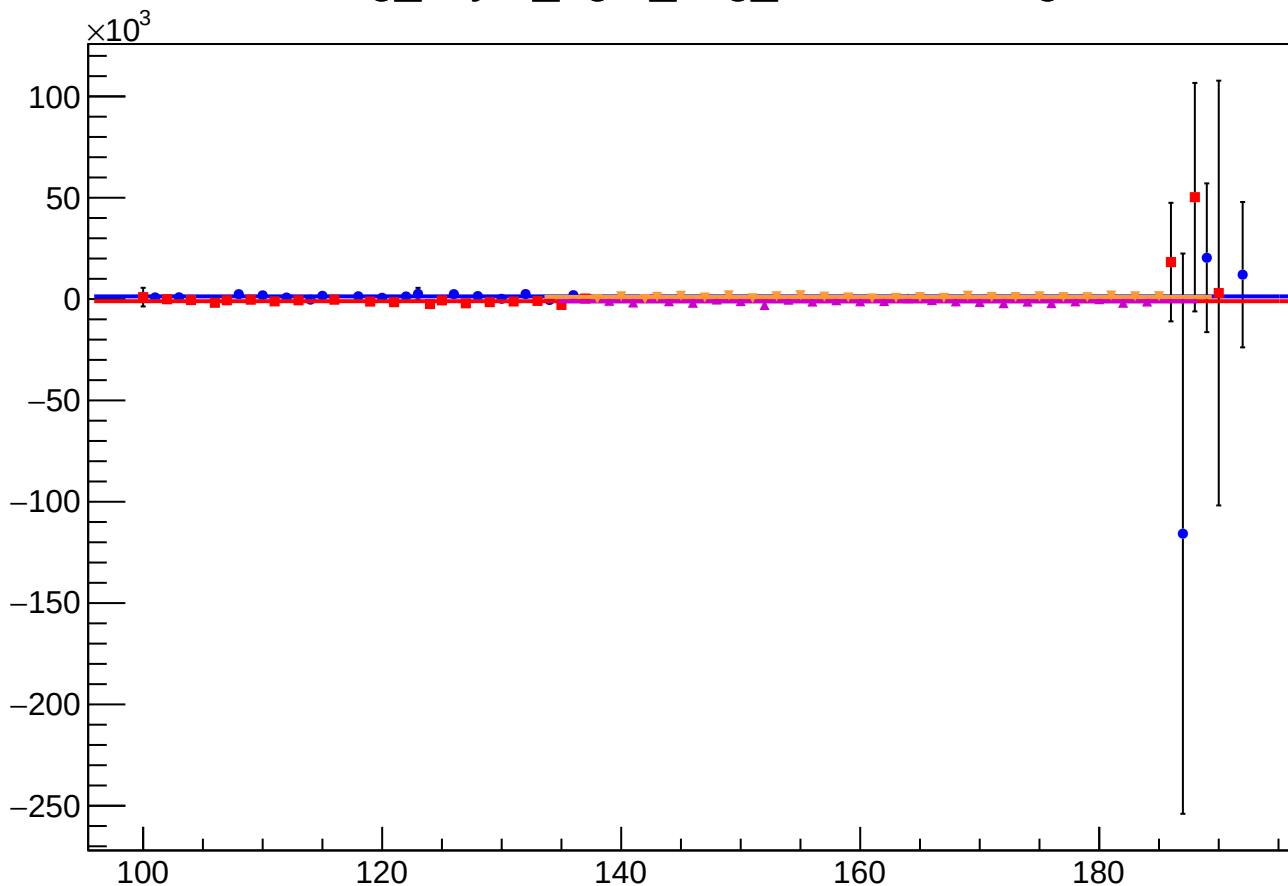
Left In: 946.041 $\pm$ 0.161 χ^2 /NDF:501442.7/22

+ sign 888.604 $\pm$ 0.128 χ^2 /NDF: 3377179.0/43

All: 875.278 $\pm$ 0.089 χ^2 /NDF: 7695001.7/89

- sign 862.450 $\pm$ 0.125 χ^2 /NDF: 4296411.7/45

reg_asym_right_avg_mean vs Slug



Right In: 1324.833+/-218.592 χ^2/NDF : 13.9/19

Left Out: 1073.626+/-129.690 χ^2/NDF : 15.1/24

Right Out: -1038.744+/-212.072 χ^2/NDF : 14.8/21

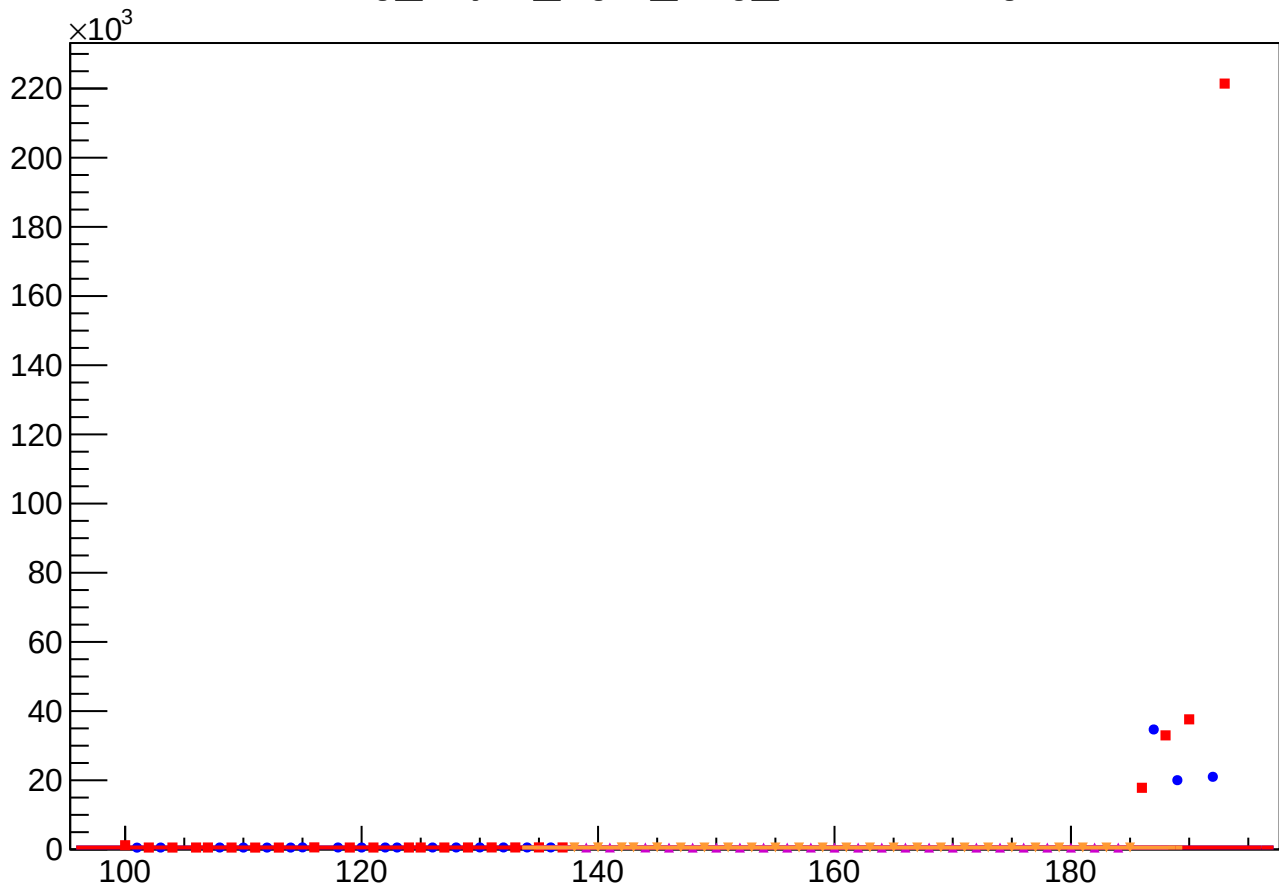
Left In: -1123.857+/-133.163 χ^2/NDF : 30.0/22

+ sign 1139.029+/-111.537 χ^2/NDF : 30.0/44

All: 31.973+/-79.302 χ^2/NDF : 274.1/89

- sign -1099.788+/-112.774 χ^2/NDF : 44.9/44

reg_asym_right_avg_rms vs Slug



Right In: 565.066 $\pm$ 0.155 χ^2 /NDF: 1356634.4/19

Left Out: 557.534 $\pm$ 0.092 χ^2 /NDF: 14752.8/24

Right Out: 566.876 $\pm$ 0.150 χ^2 /NDF: 1800326.1/22

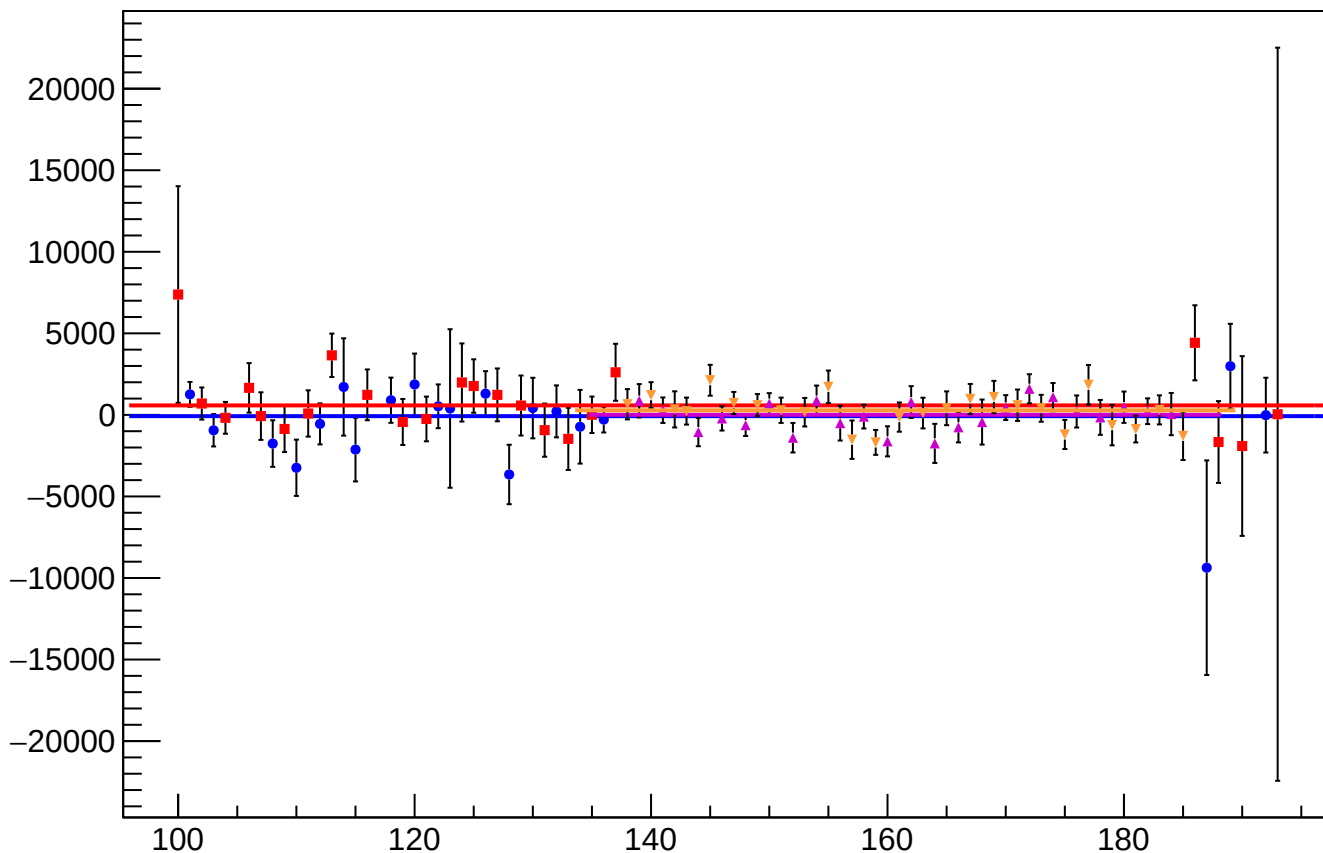
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 559.495 $\pm$ 0.079 χ^2 /NDF: 1373143.4/44

All: 559.631 $\pm$ 0.056 χ^2 /NDF: 3187815.4/90

- sign 559.770 $\pm$ 0.080 χ^2 /NDF: 1814666.0/45

asym_right_avg_correction_mean vs Slug



Right In: -77.716 ± 322.053 χ^2/NDF : 20.4/19

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

Right Out: 581.155 ± 326.134 χ^2/NDF : 18.4/22

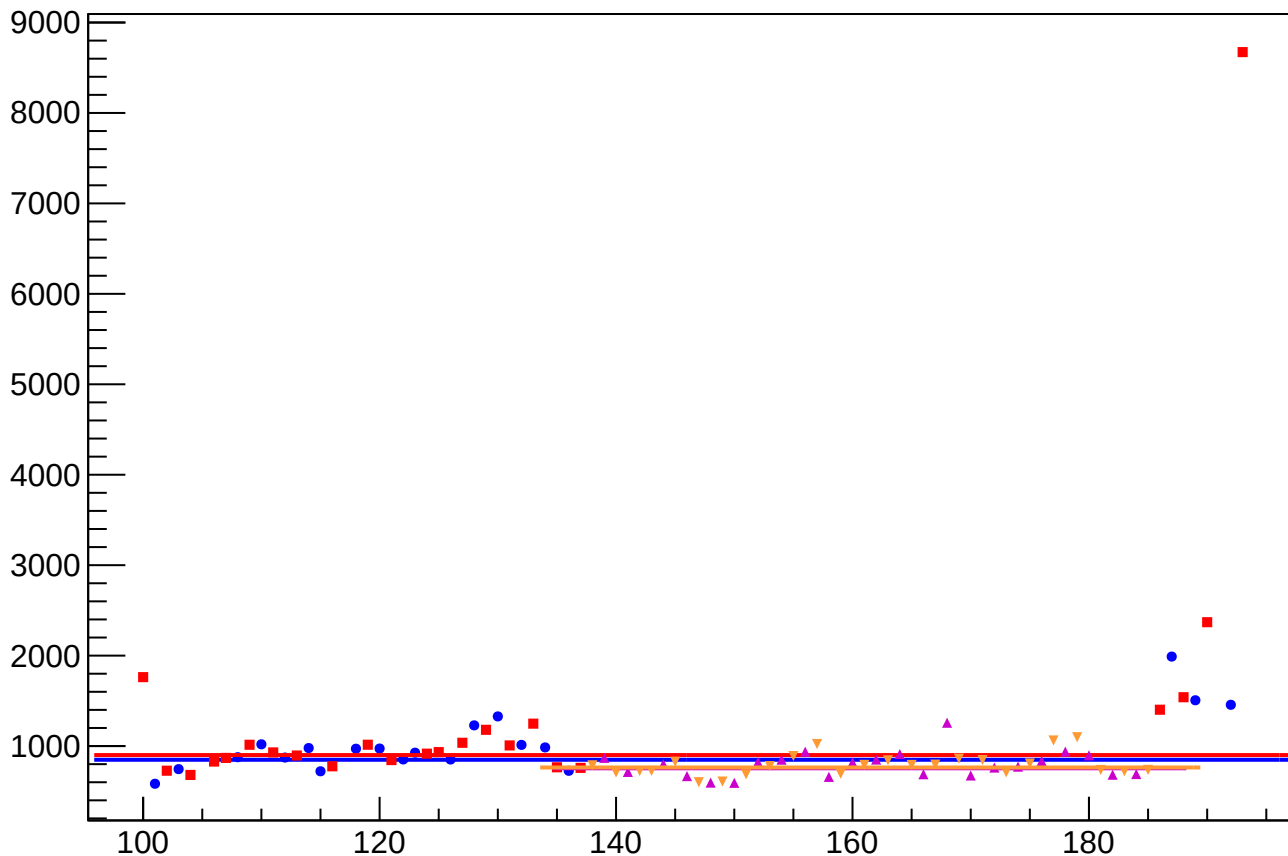
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 195.975 ± 157.405 χ^2/NDF : 48.1/44

All: 171.295 ± 112.155 χ^2/NDF : 89.0/90

- sign 145.844 ± 159.845 χ^2/NDF : 40.9/45

asym_right_avg_correction_rms vs Slug



Right In: 848.472 ± 0.228 χ^2/NDF : 948132.3/19

Left Out: 763.085 ± 0.128 χ^2/NDF : 753700.1/24

Right Out: 900.474 ± 0.231 χ^2/NDF : 1031854.3/22

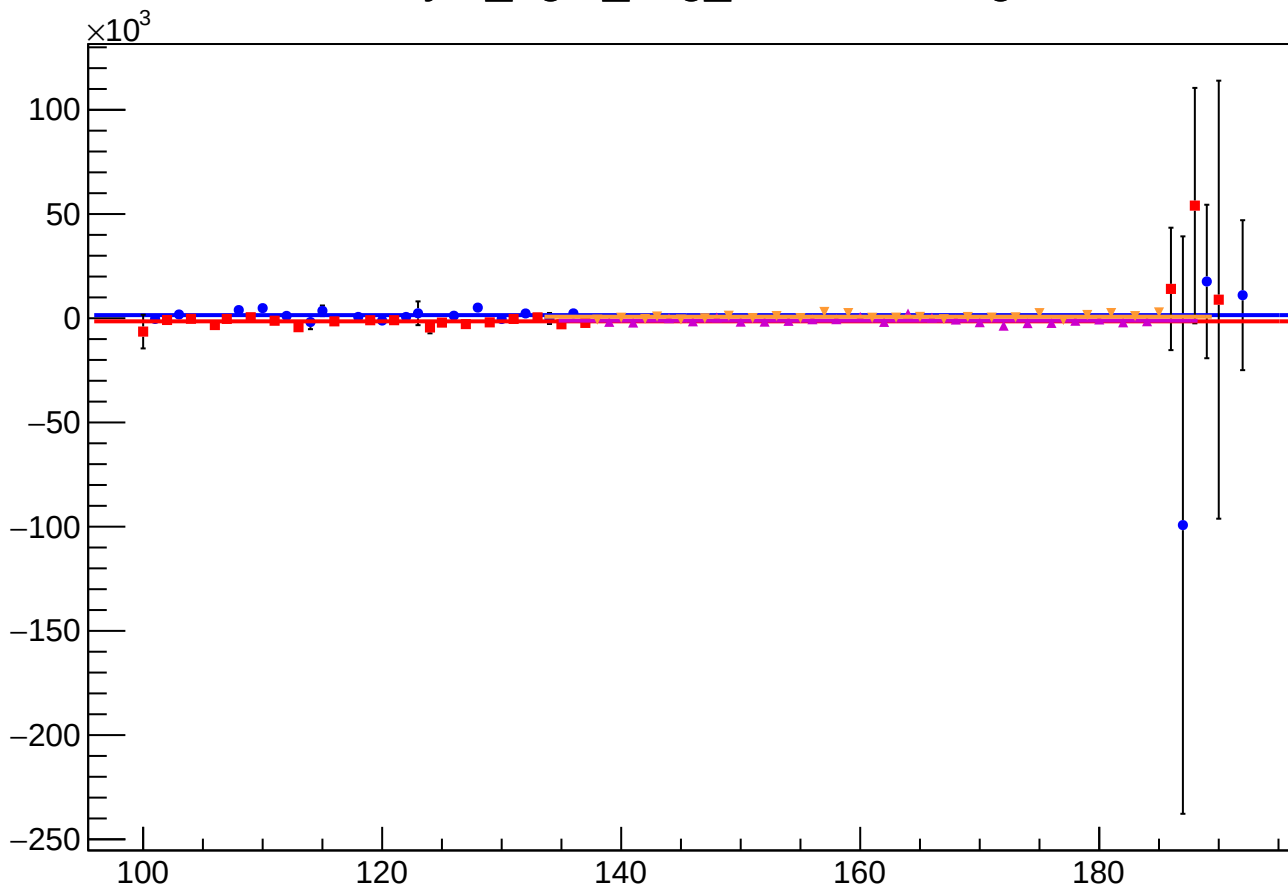
Left In: 754.099 ± 0.130 χ^2/NDF : 931829.3/22

+ sign 783.482 ± 0.111 χ^2/NDF : 1808839.4/44

All: 786.327 ± 0.079 χ^2/NDF : 4079951.2/90

- sign 789.261 ± 0.113 χ^2/NDF : 2269784.6/45

asym_right_avg_mean vs Slug



Right In: 1500.245+/-402.616 χ^2 /NDF: 17.9/19

Left Out: 739.641+/-225.535 χ^2 /NDF: 21.5/24

Right Out: -1481.911+/-400.668 χ^2 /NDF: 13.3/21

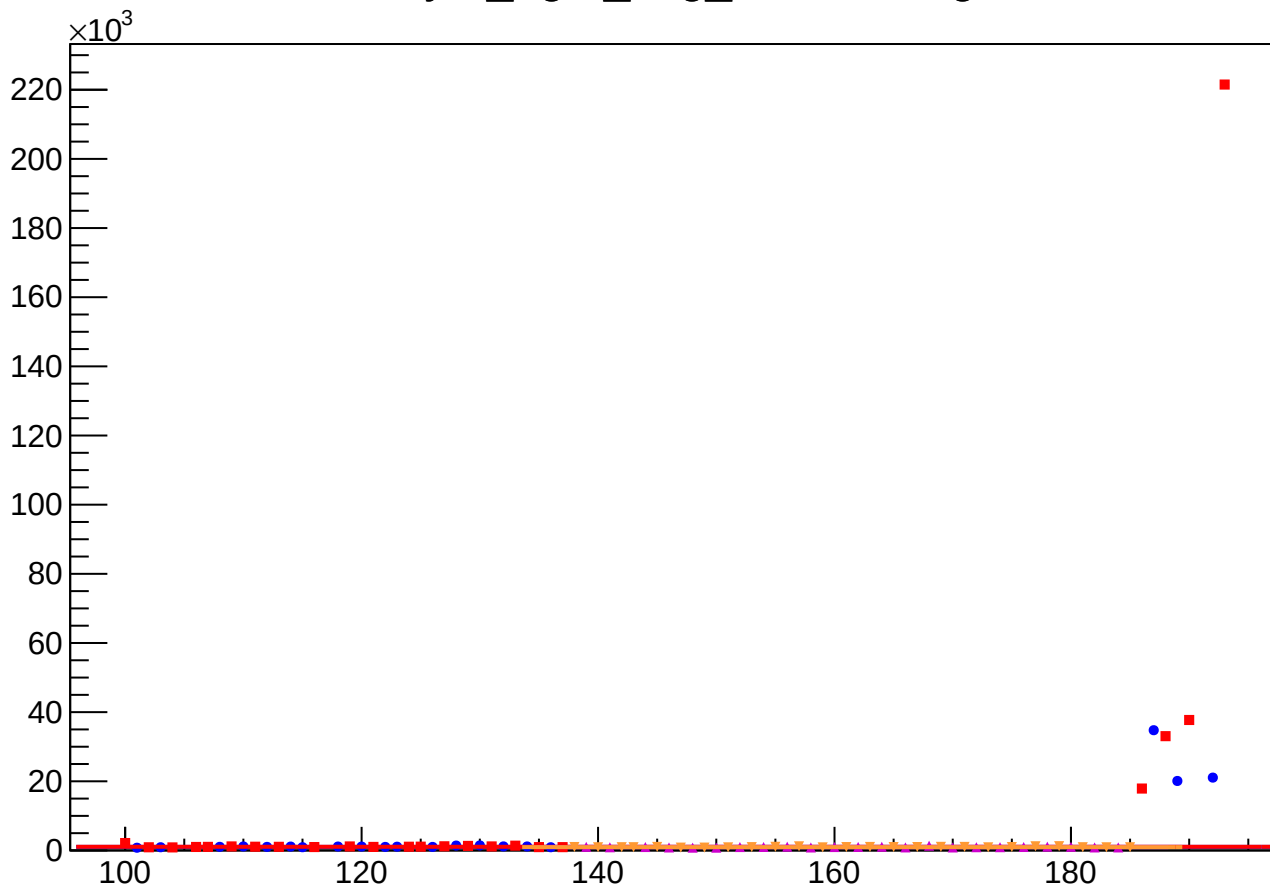
Left In: -1124.587+/-230.065 χ^2 /NDF: 25.4/22

+ sign 921.308+/-196.766 χ^2 /NDF: 42.1/44

All: -131.142+/-140.096 χ^2 /NDF: 139.4/89

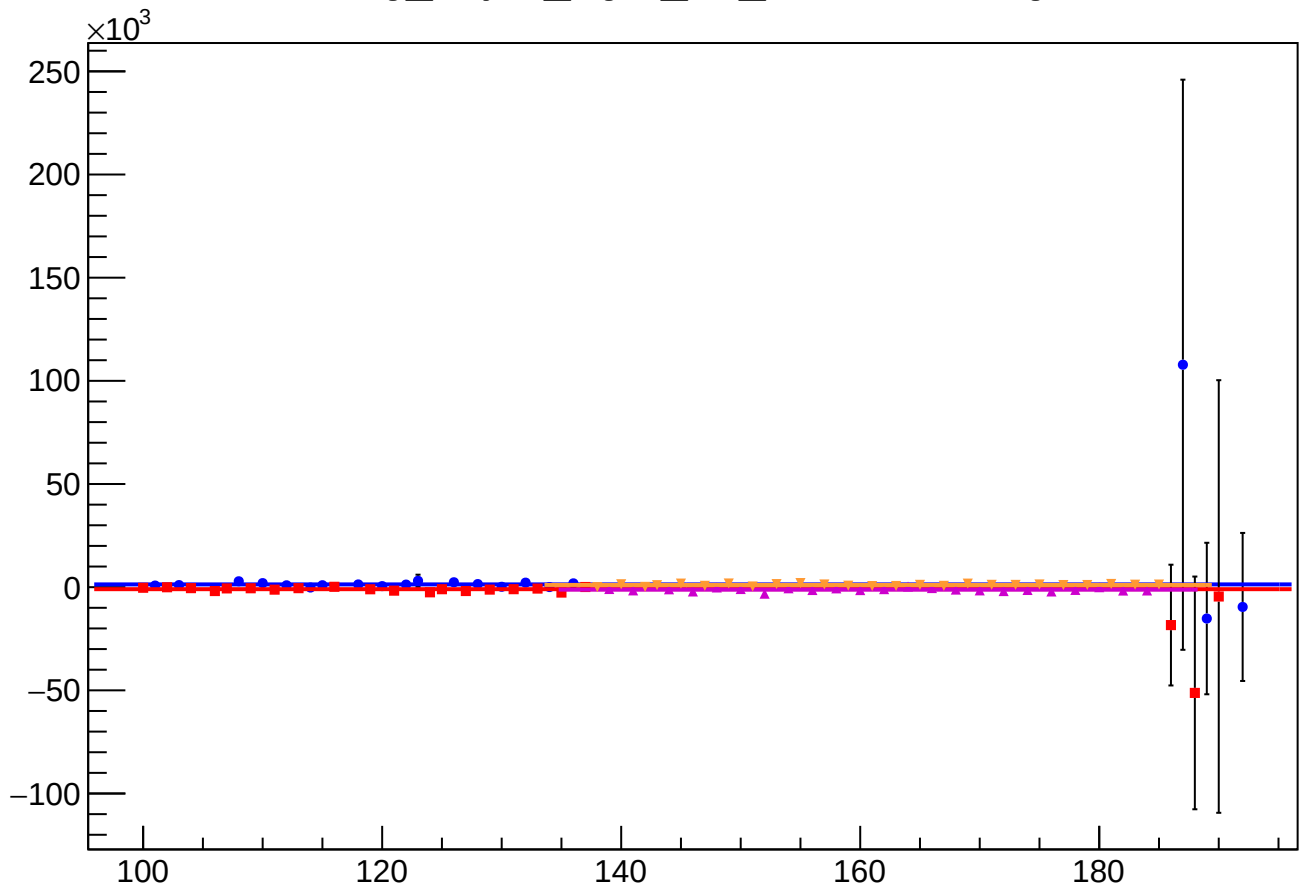
- sign -1213.188+/-199.513 χ^2 /NDF: 39.2/44

asym_right_avg_rms vs Slug



Right In: 1027.118 ± 0.285 $\chi^2/\text{NDF}: 1622707.9/19$ + sign 977.748 ± 0.139 $\chi^2/\text{NDF}: 2025156.1/44$
 Left Out: 962.256 ± 0.159 $\chi^2/\text{NDF}: 362937.6/24$ All: 979.639 ± 0.099 $\chi^2/\text{NDF}: 4497024.1/90$
 Right Out: 1063.288 ± 0.283 $\chi^2/\text{NDF}: 1917506.5/22$ - sign 981.583 ± 0.141 $\chi^2/\text{NDF}: 2471493.4/45$
 Left In: 954.643 ± 0.163 $\chi^2/\text{NDF}: 443395.0/22$

reg_asym_right_dd_mean vs Slug



Right In: 1344.674 $\pm$ 218.846 χ^2 /NDF: 12.9/19

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

Right Out: -967.025 $\pm$ 208.607 χ^2 /NDF: 13.4/21

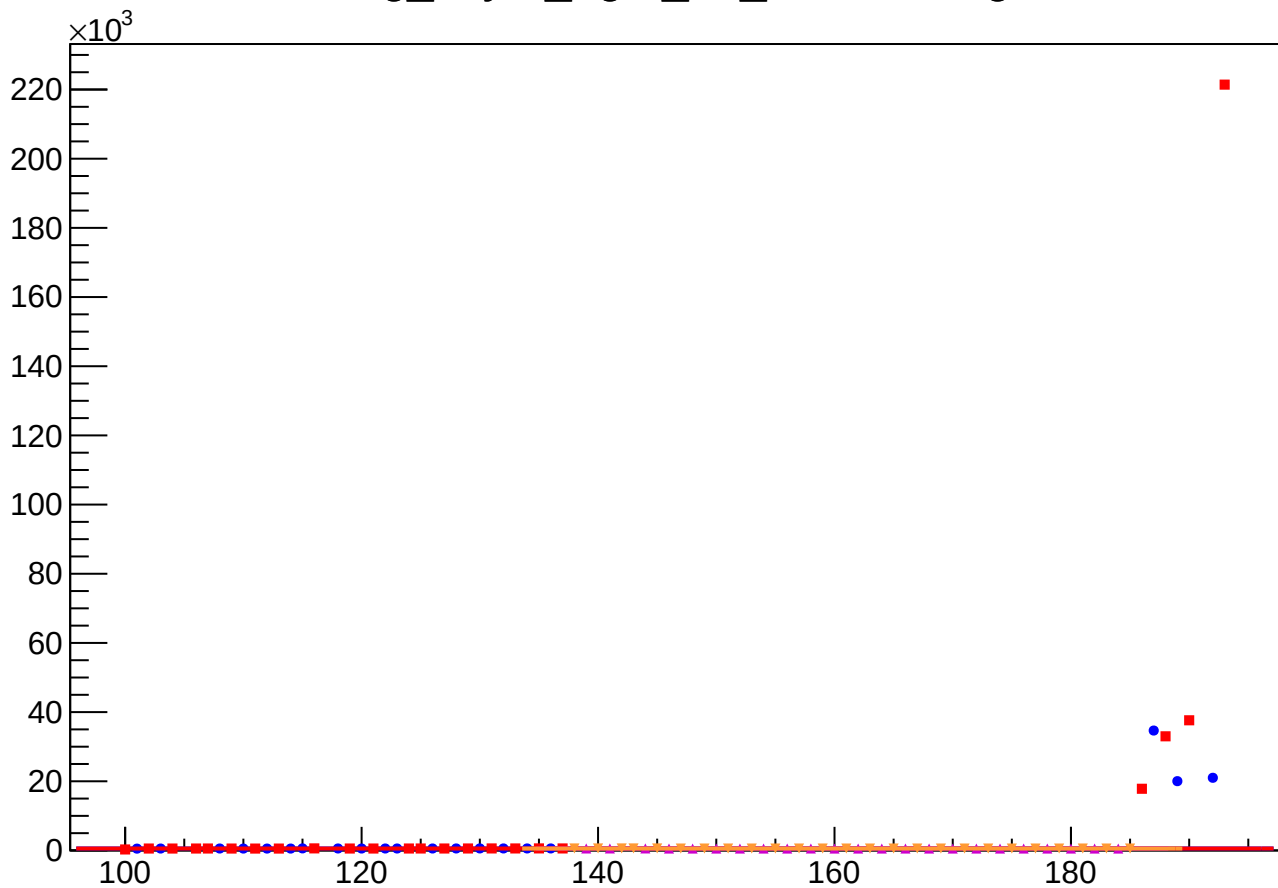
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.535 $\pm$ 111.654 χ^2 /NDF: 28.9/44

All: 21.697 $\pm$ 79.191 χ^2 /NDF: 282.3/89

- sign -1124.974 $\pm$ 112.334 χ^2 /NDF: 46.3/44

reg_asym_right_dd_rms vs Slug



Right In: 565.722 $\pm$ 0.155 χ^2 /NDF: 1356681.2/19

Left Out: 558.099 $\pm$ 0.092 χ^2 /NDF: 14785.2/24

Right Out: 555.961 $\pm$ 0.148 χ^2 /NDF: 1885075.7/22

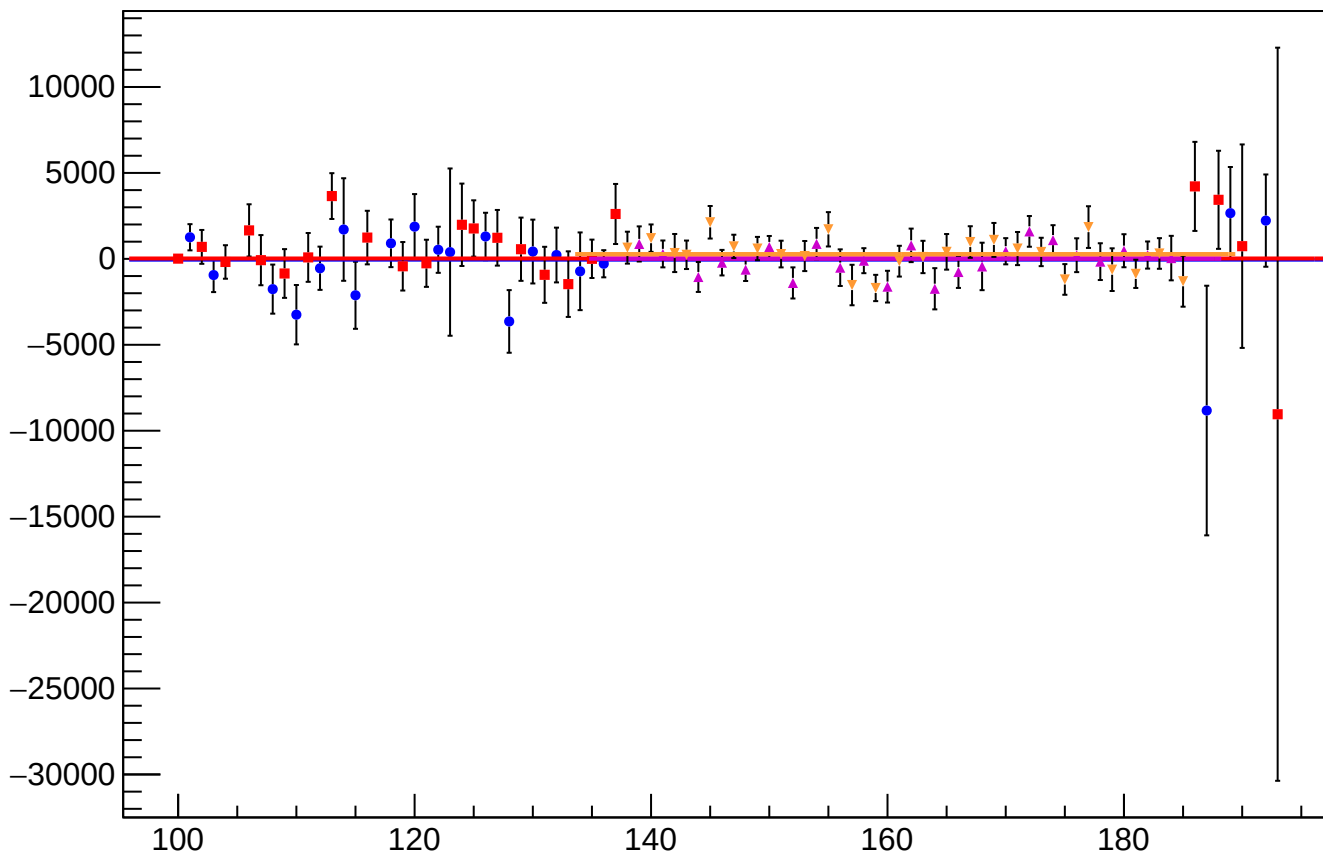
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF: 11276.8/22

+ sign 560.083 $\pm$ 0.079 χ^2 /NDF: 1373261.2/44

All: 558.612 $\pm$ 0.056 χ^2 /NDF: 3270400.0/90

- sign 557.122 $\pm$ 0.079 χ^2 /NDF: 1896439.8/45

asym_right_dd_correction_mean vs Slug



Right In: -46.037 ± 323.241 χ^2/NDF : 20.2/19

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

Right Out: 21.665 ± 38.946 χ^2/NDF : 20.1/22

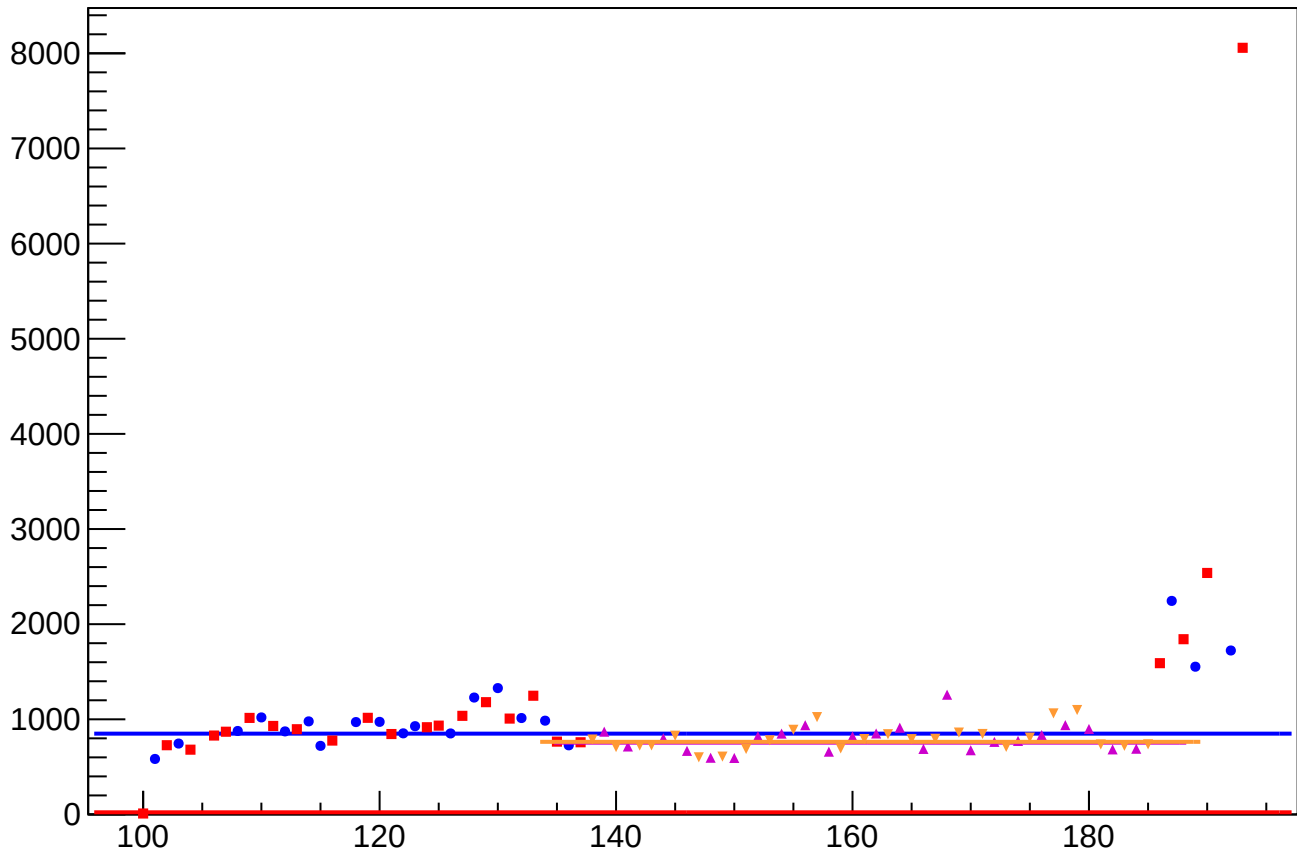
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 203.585 ± 157.580 χ^2/NDF : 47.8/44

All: 31.126 ± 37.030 χ^2/NDF : 89.4/90

- sign 21.046 ± 38.097 χ^2/NDF : 40.3/45

asym_right_dd_correction_rms vs Slug



Right In: 849.365+/-0.229 χ^2/NDF : 1042740.4/19

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

+ sign 783.759+/-0.111 χ^2/NDF : 1904540.4/44

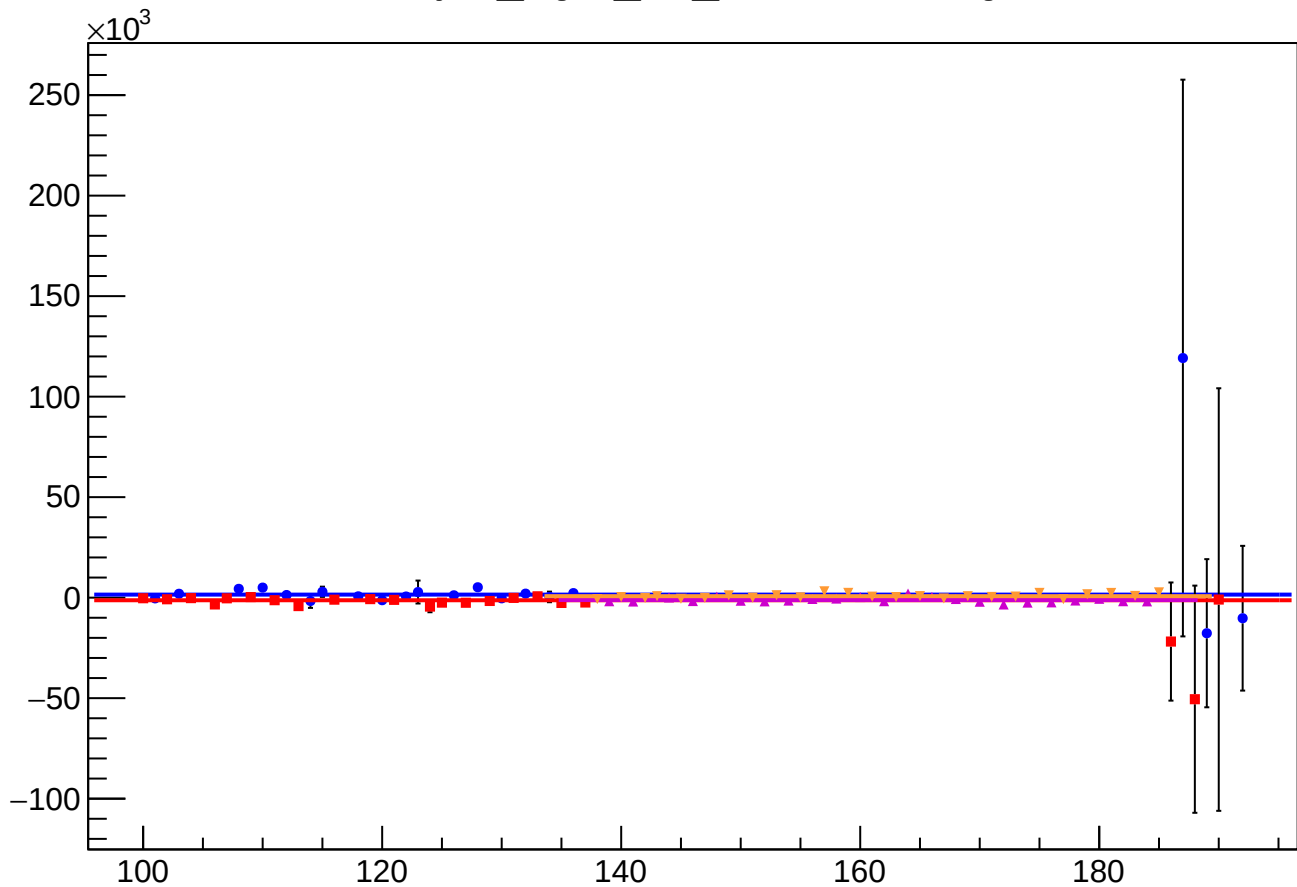
Right Out: 22.600+/-0.028 χ^2/NDF : 15671271.8/22

All: 94.447+/-0.026 χ^2/NDF : 89467240.3/90

- sign 54.157+/-0.027 χ^2/NDF : 47055583.9/45

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

asym_right_dd_mean vs Slug



Right In: 1516.714 ± 402.839 χ^2/NDF : 18.9/19

Left Out: 742.825 ± 225.658 χ^2/NDF : 20.2/24

Right Out: -1293.094 ± 376.637 χ^2/NDF : 13.6/21

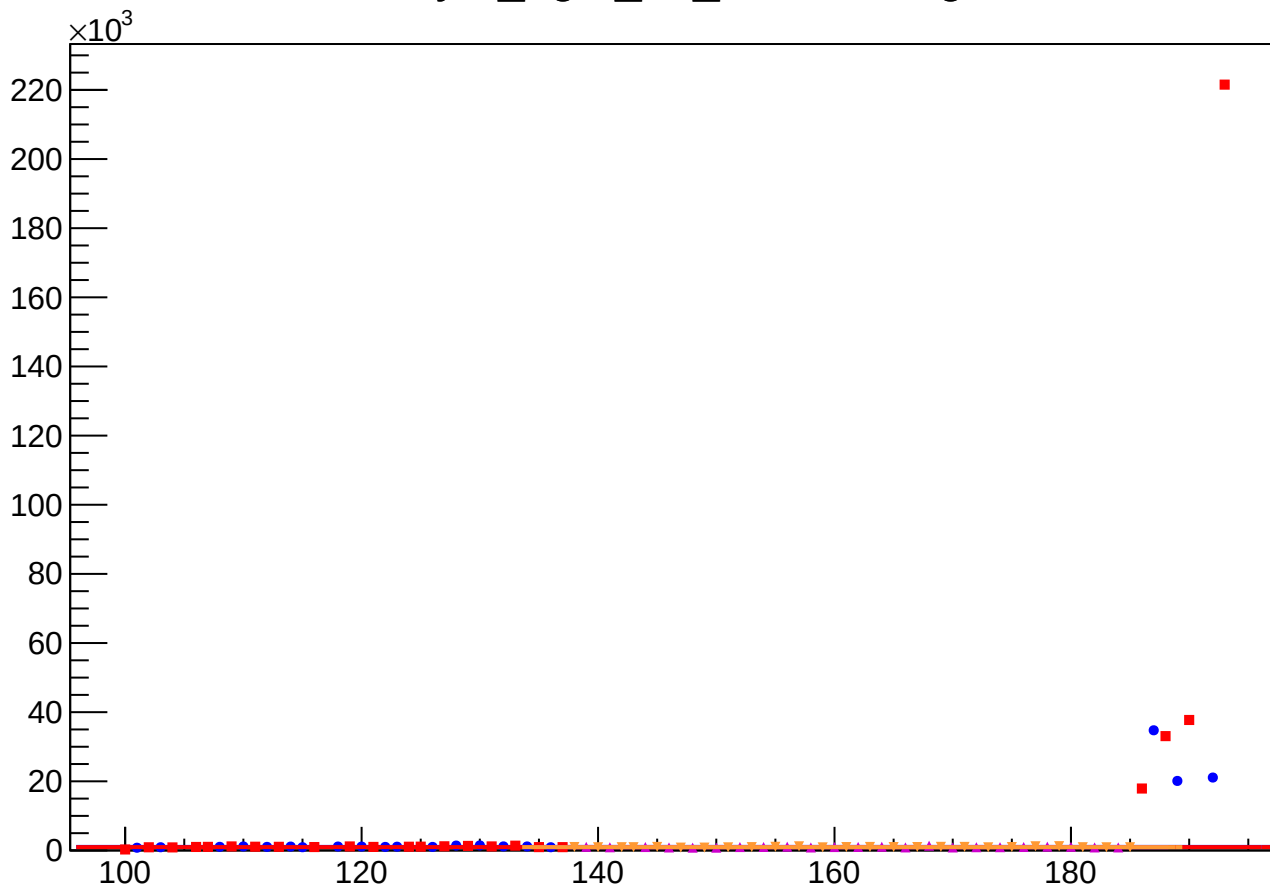
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 927.662 ± 196.874 χ^2/NDF : 42.0/44

All: -142.578 ± 139.056 χ^2/NDF : 138.8/89

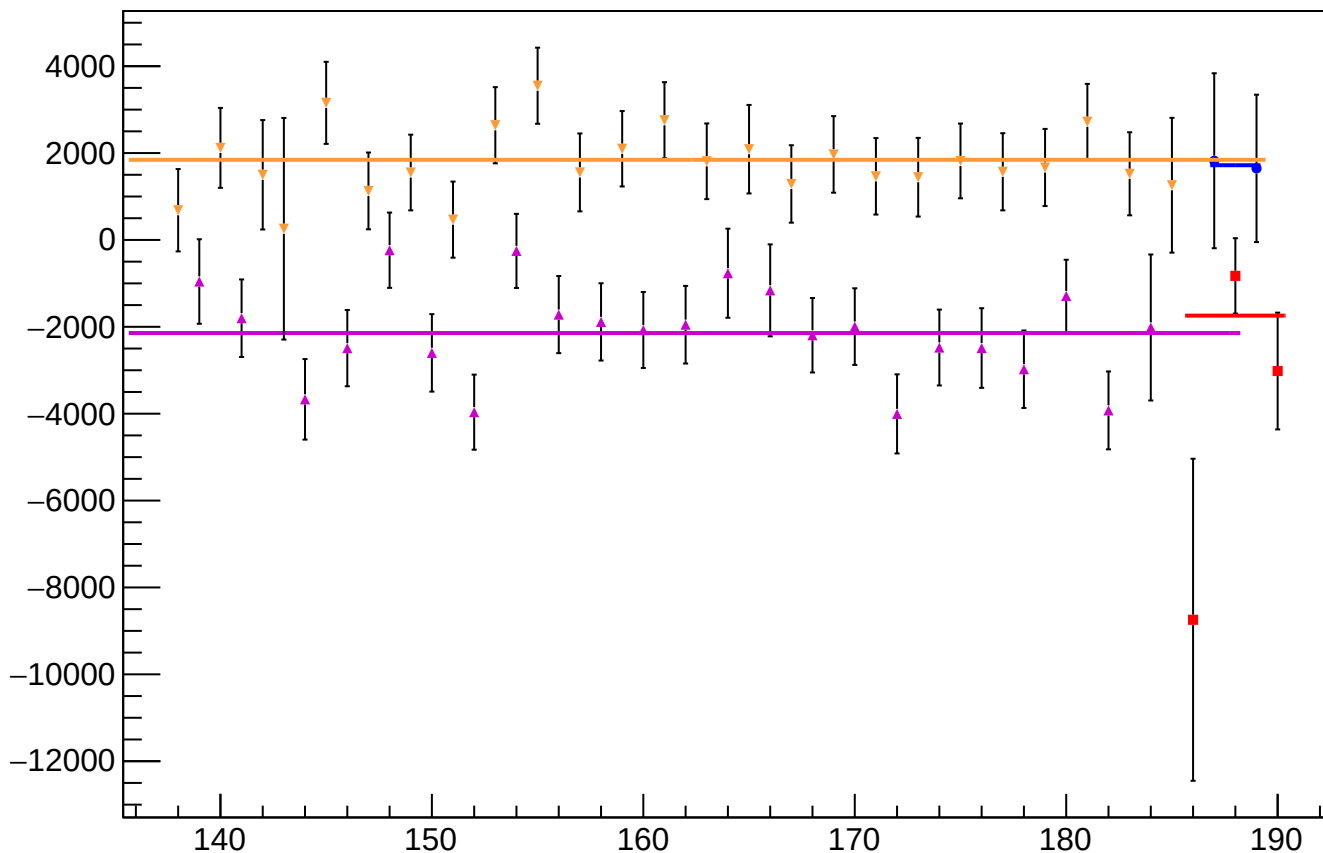
- sign -1208.061 ± 196.436 χ^2/NDF : 37.9/44

asym_right_dd_rms vs Slug



Right In: 1027.692+/-0.285	χ^2/NDF : 1622801.5/19	+ sign 978.281+/-0.139	χ^2/NDF : 2025170.6/44
Left Out: 962.776+/-0.160	χ^2/NDF : 362837.8/24	All: 968.634+/-0.098	χ^2/NDF : 5246211.4/90
Right Out: 968.928+/-0.266	χ^2/NDF : 2766490.8/22	- sign 959.029+/-0.139	χ^2/NDF : 3211456.9/45
Left In: 955.331+/-0.163	χ^2/NDF : 443068.5/22		

cor_asym_us_avg_mean vs Slug



Right In: 1720.097 ± 1297.686 χ^2/NDF : 0.0/1

Left Out: 1844.361 ± 186.909 χ^2/NDF : 15.4/24

Right Out: -1742.386 ± 715.276 χ^2/NDF : 5.6/2

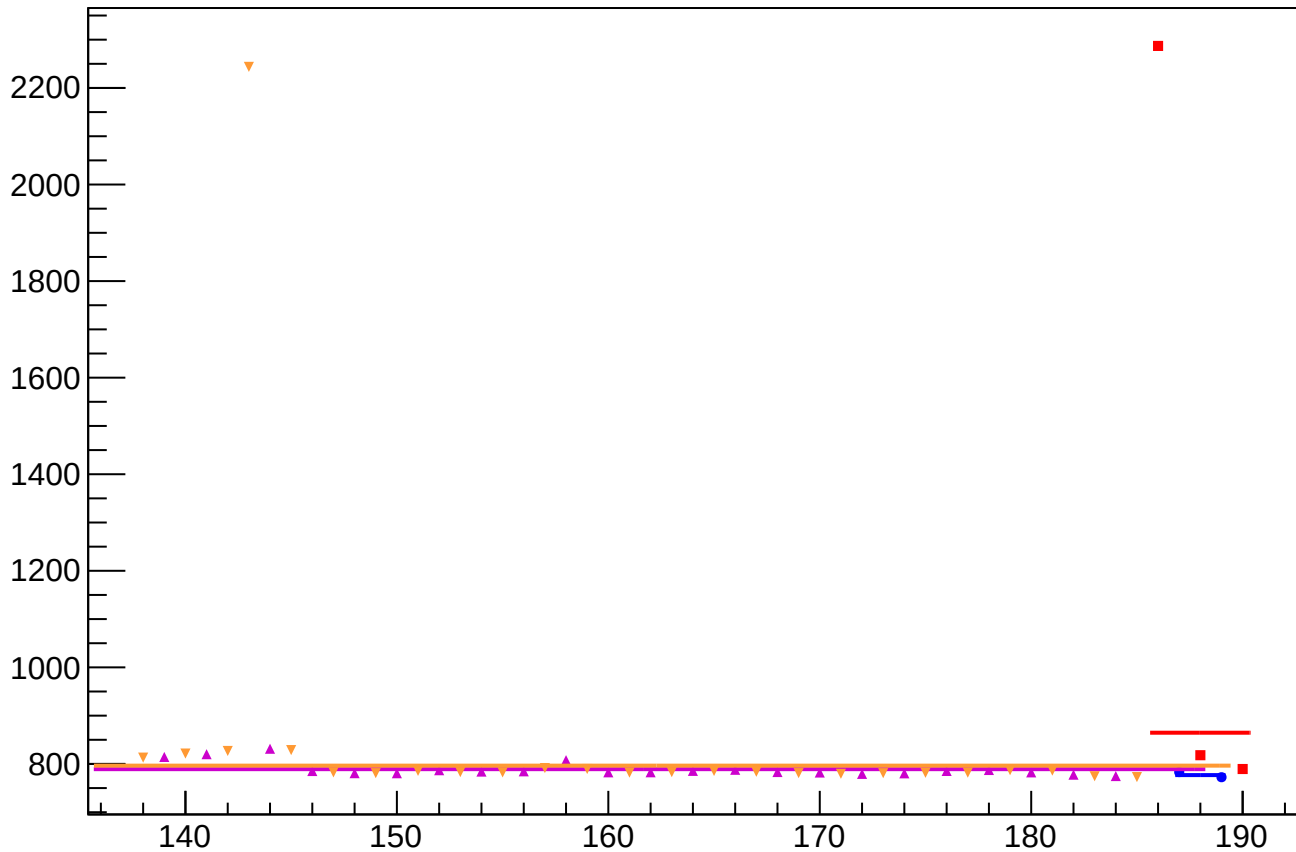
Left In: -2143.254 ± 190.144 χ^2/NDF : 32.4/22

+ sign 1841.835 ± 185.000 χ^2/NDF : 15.4/26

All: -150.766 ± 130.375 χ^2/NDF : 284.1/52

- sign -2116.795 ± 183.762 χ^2/NDF : 38.2/25

cor_asym_us_avg_rms vs Slug



Right In: 776.892 ± 0.918 χ^2/NDF : 32.5/1

Left Out: 796.470 ± 0.132 χ^2/NDF : 658729.4/24

Right Out: 864.658 ± 0.506 χ^2/NDF : 306489.7/2

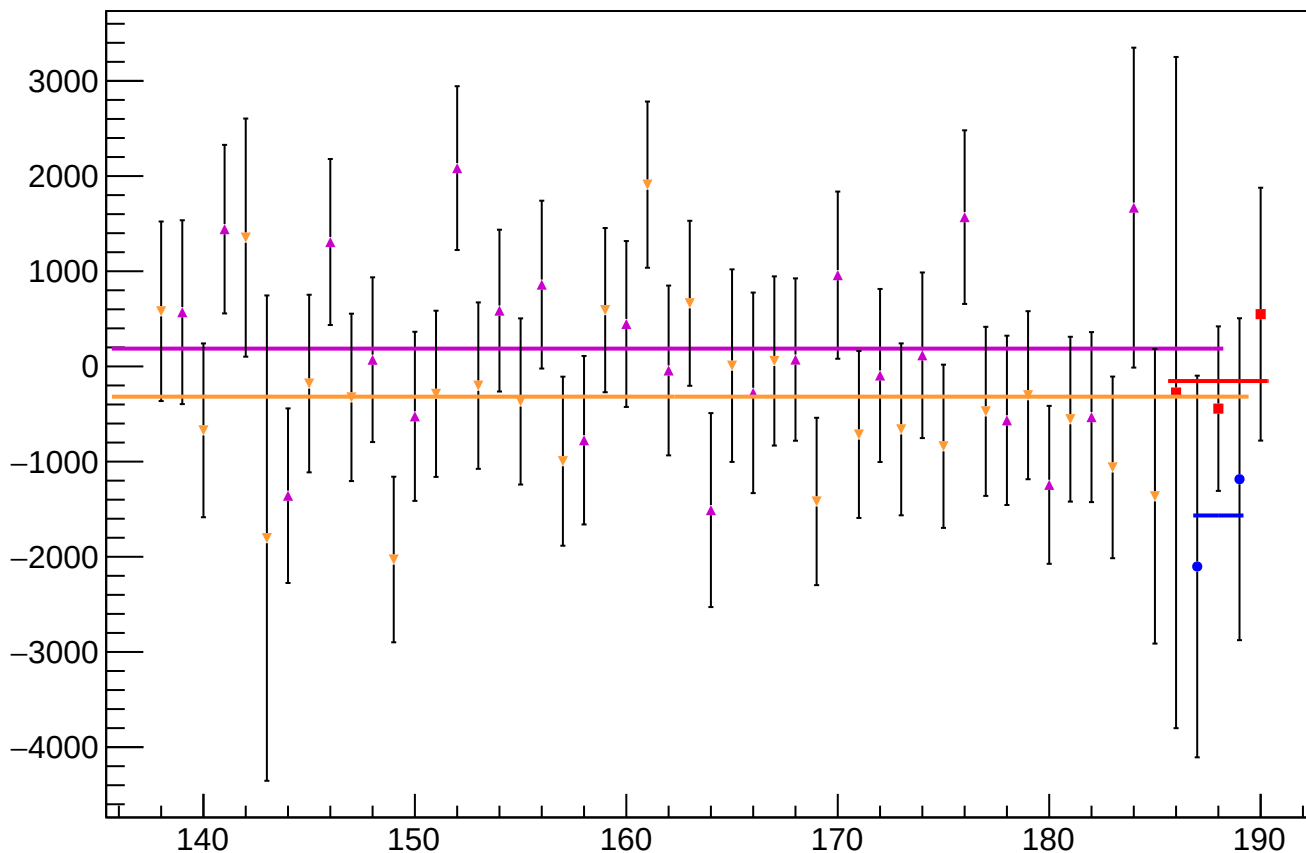
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ sign 796.072 ± 0.131 χ^2/NDF : 659207.9/26

All: 795.109 ± 0.092 χ^2/NDF : 997468.1/52

- sign 794.158 ± 0.130 χ^2/NDF : 338152.4/25

cor_asym_us_dd_mean vs Slug



Right In: -1566.105+/-1292.689 χ^2/NDF : 0.1/1

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

Right Out: -153.360+/-709.634 χ^2/NDF : 0.4/2

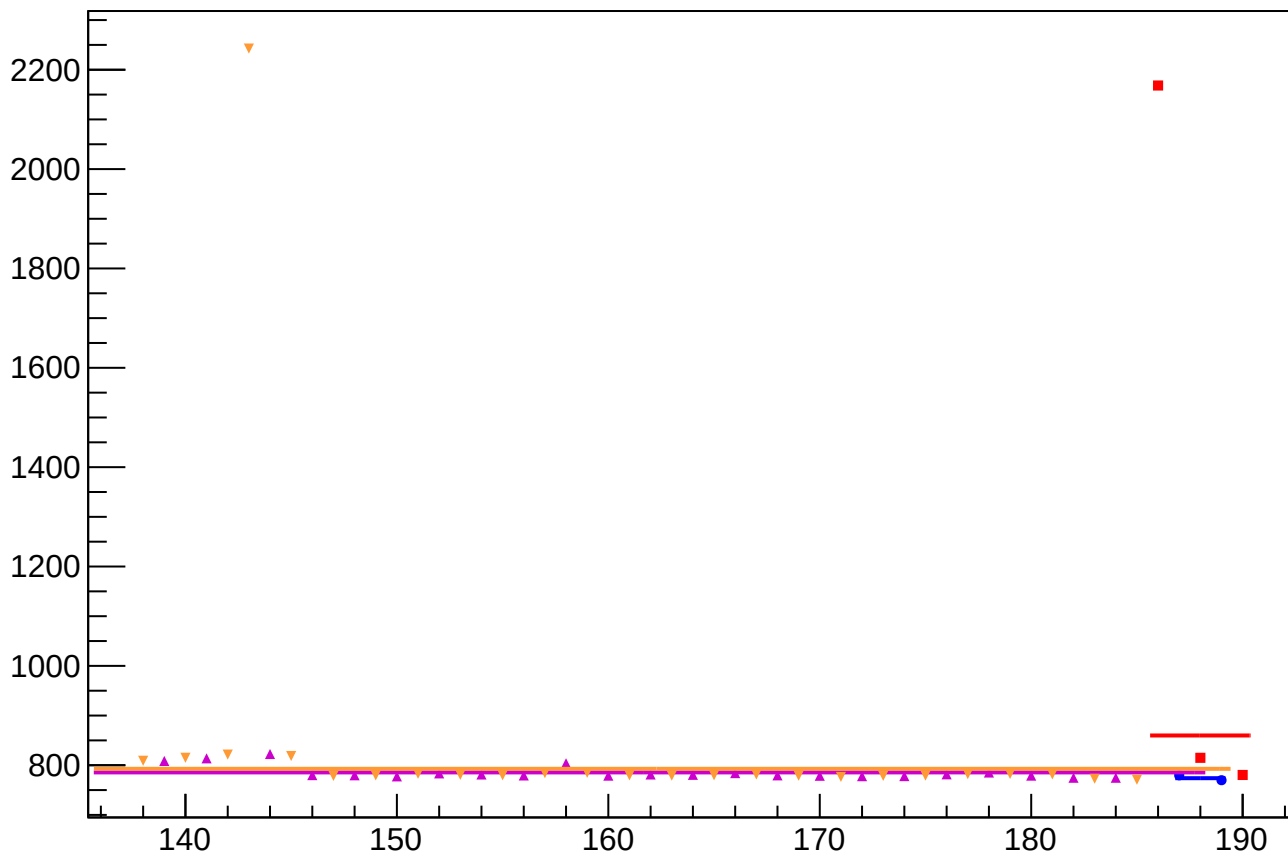
Left In: 187.105+/-189.265 χ^2/NDF : 25.6/22

+ sign -342.947+/-184.148 χ^2/NDF : 21.4/26

All: -87.464+/-129.759 χ^2/NDF : 51.4/52

- sign 164.494+/-182.873 χ^2/NDF : 26.2/25

cor_asym_us_dd_rms vs Slug



Right In: 773.922 $\pm$ 0.914 χ^2 /NDF: 27.7/1

Left Out: 792.811 $\pm$ 0.132 χ^2 /NDF: 659508.7/24

Right Out: 859.900 $\pm$ 0.502 χ^2 /NDF: 287948.2/2

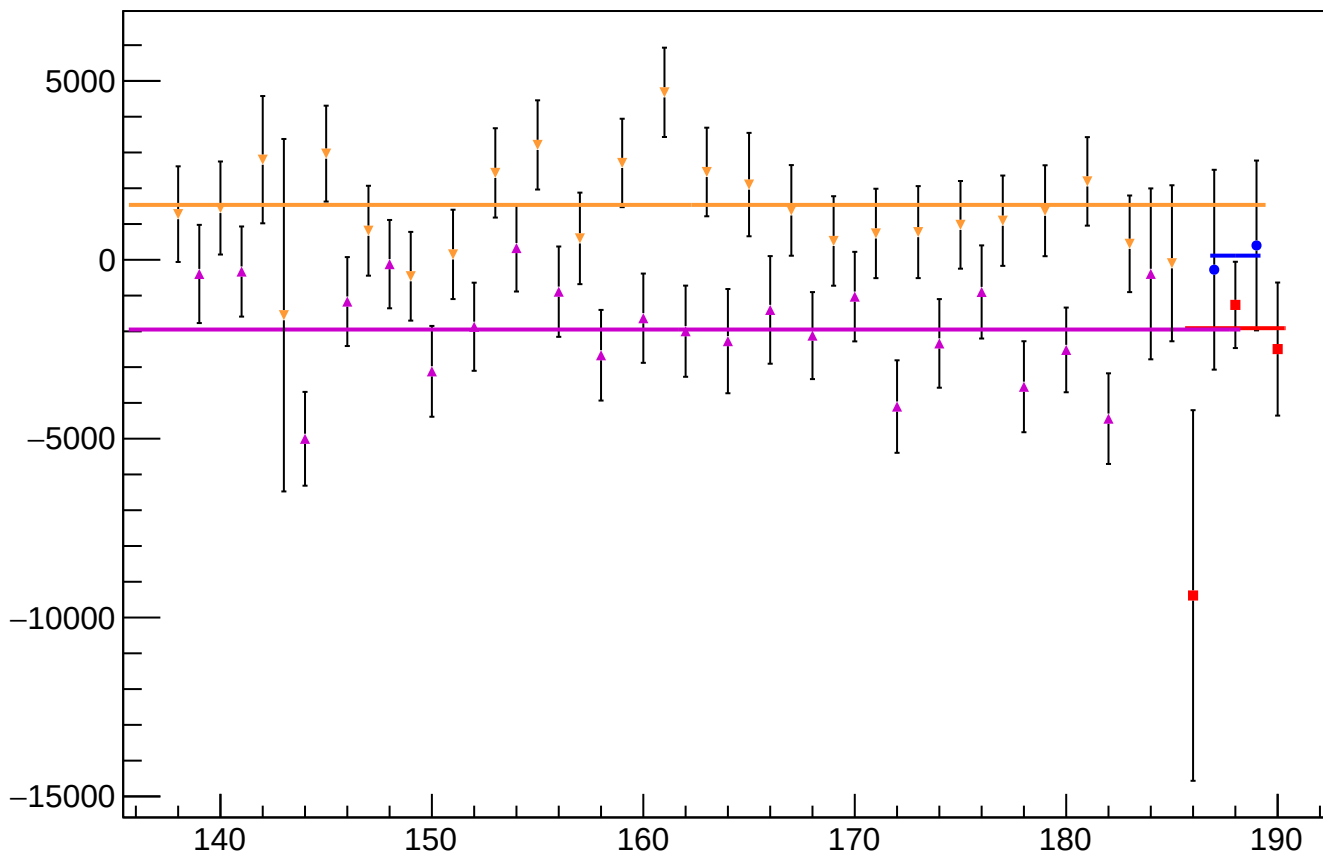
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

+ sign 792.428 $\pm$ 0.130 χ^2 /NDF: 659954.8/26

All: 791.456 $\pm$ 0.092 χ^2 /NDF: 977536.6/52

- sign 790.499 $\pm$ 0.129 χ^2 /NDF: 317471.3/25

cor_asym_usl_mean vs Slug



Right In: 116.401 ± 1808.672 χ^2/NDF : 0.0/1

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

Right Out: -1911.693 ± 993.236 χ^2/NDF : 2.5/2

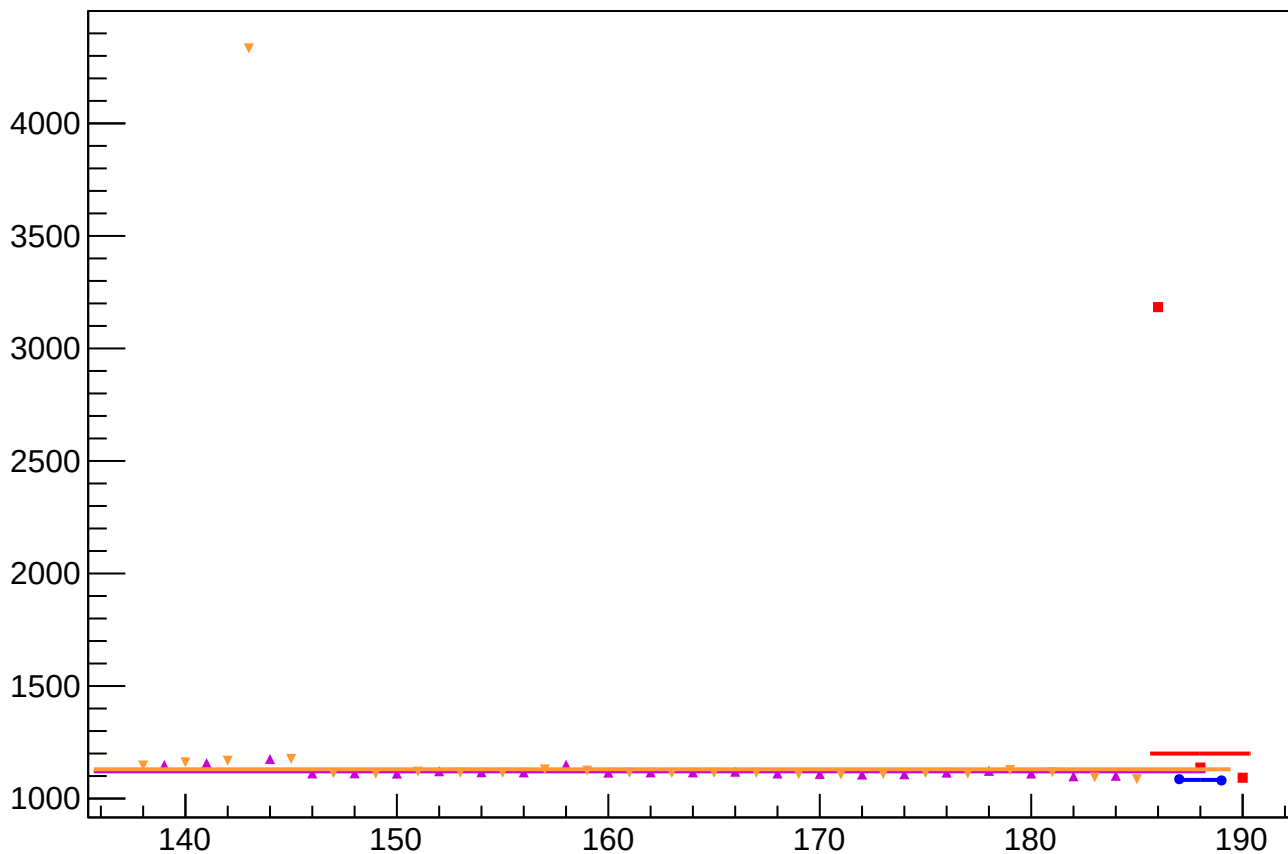
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ sign 1504.716 ± 263.063 χ^2/NDF : 20.9/26

All: -237.014 ± 185.143 χ^2/NDF : 137.0/52

- sign -1946.503 ± 260.617 χ^2/NDF : 29.2/25

cor_asym_usl_rms vs Slug



Right In: 1082.866 $\pm$ 1.279 χ^2 /NDF: 4.6/1

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

Right Out: 1199.844 $\pm$ 0.702 χ^2 /NDF: 305356.1/2

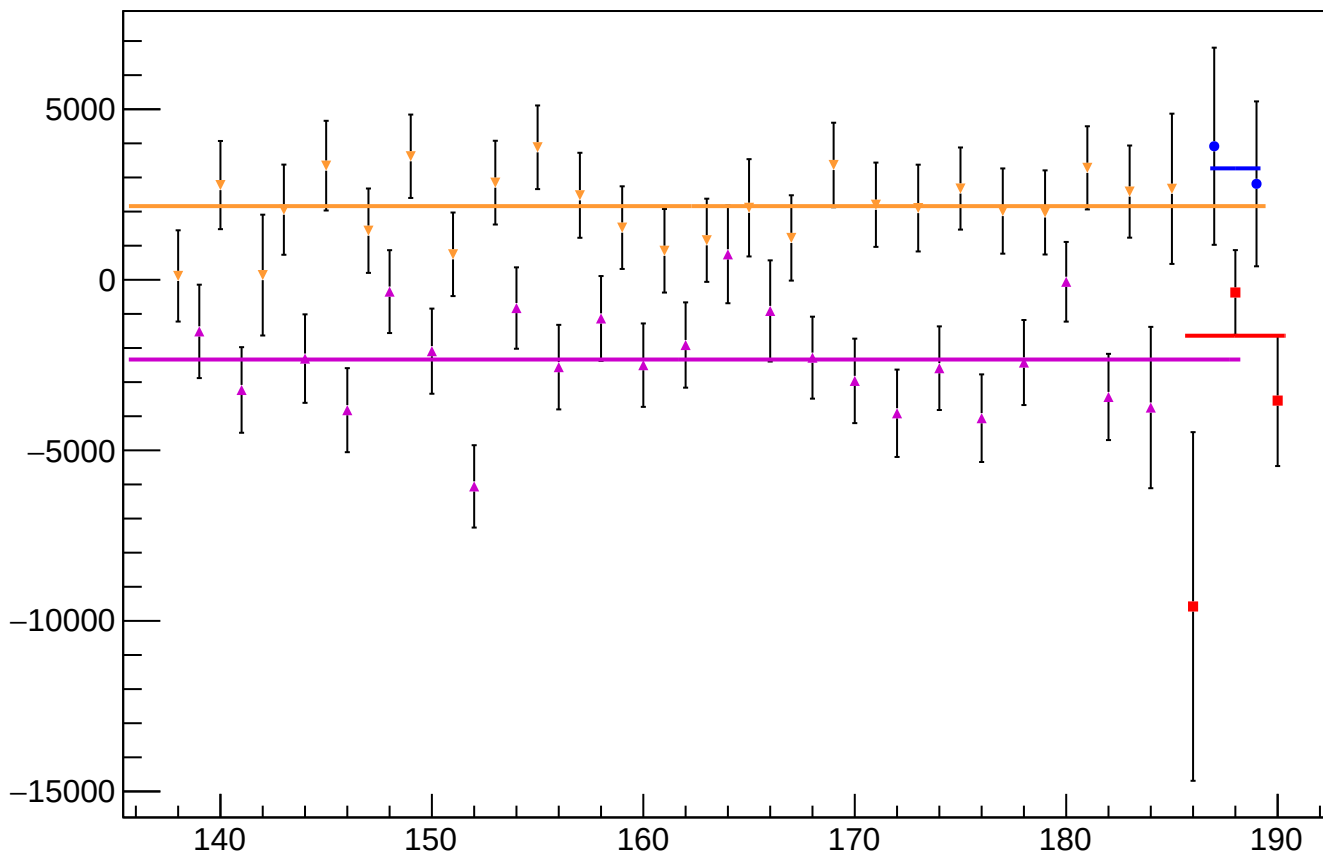
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ sign 1128.941 $\pm$ 0.186 χ^2 /NDF: 859600.5/26

All: 1127.662 $\pm$ 0.131 χ^2 /NDF: 1186051.5/52

- sign 1126.407 $\pm$ 0.184 χ^2 /NDF: 326357.4/25

cor_asym_usr_mean vs Slug



Right In: 3266.922 $\pm$ 1854.338 χ^2 /NDF: 0.1/1

Left Out: 2159.879 $\pm$ 257.526 χ^2 /NDF:15.0/24

Right Out: -1639.449 $\pm$ 1022.123 χ^2 /NDF: 4.4/2

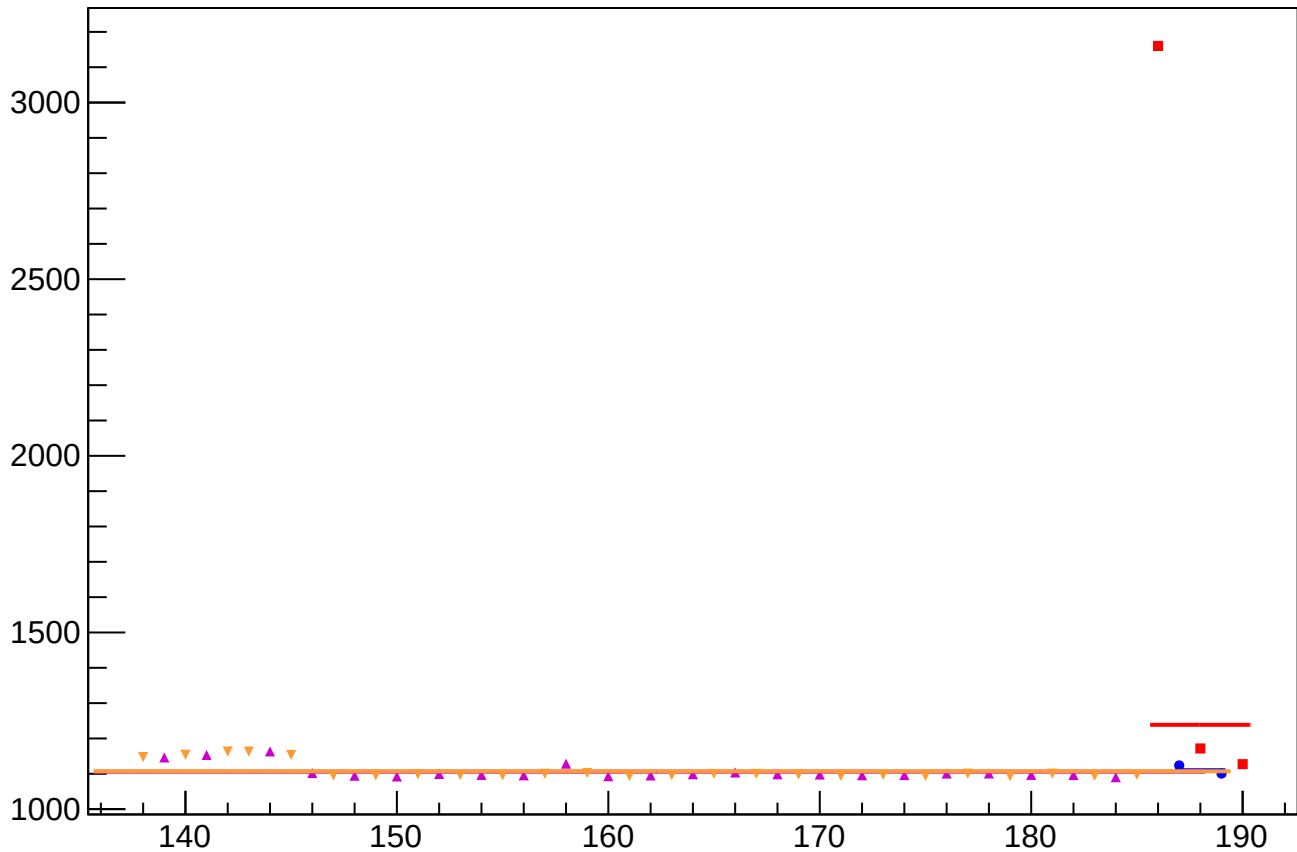
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ sign 2180.827 $\pm$ 255.078 χ^2 /NDF: 15.4/26

All: -31.822 $\pm$ 181.339 χ^2 /NDF: 203.7/52

- sign -2292.825 $\pm$ 257.850 χ^2 /NDF: 36.2/25

cor_asym_usr_rms vs Slug



Right In: 1110.109+/-1.311 χ^2/NDF : 75.3/1

Left Out: 1107.091+/-0.182 χ^2/NDF : 15185.2/24

Right Out: 1238.637+/-0.723 χ^2/NDF : 295245.1/2

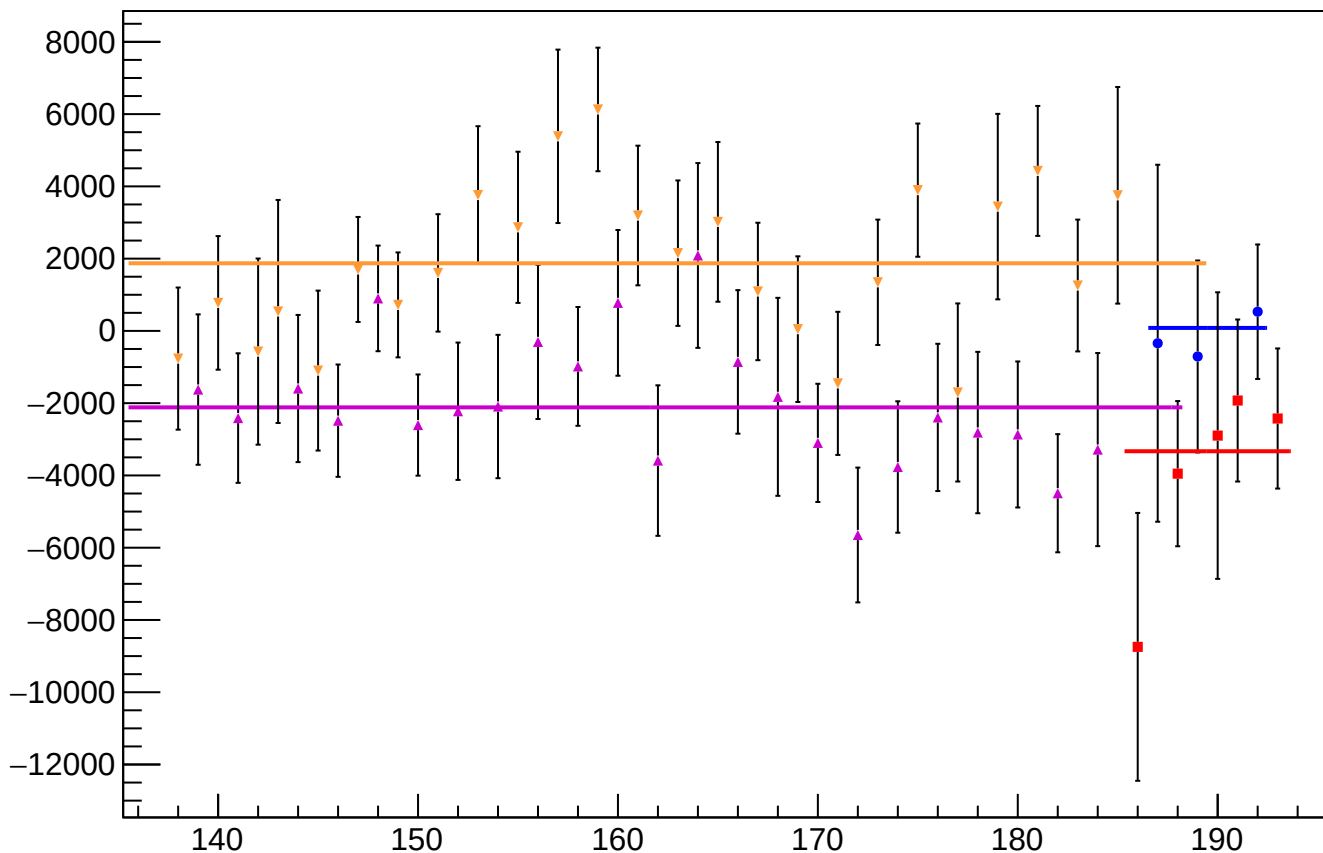
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

+ sign 1107.148+/-0.180 χ^2/NDF : 15265.7/26

All: 1110.735+/-0.128 χ^2/NDF : 353978.0/52

- sign 1114.399+/-0.182 χ^2/NDF : 337913.0/25

asym_us_agg_avg_mean vs Slug



Right In: 82.947 ± 1456.338 $\chi^2/\text{NDF}: 0.2/2$

Left Out: 1871.638 ± 391.684 $\chi^2/\text{NDF}: 26.1/24$

Right Out: -3330.318 ± 1085.361 $\chi^2/\text{NDF}: 2.9/4$

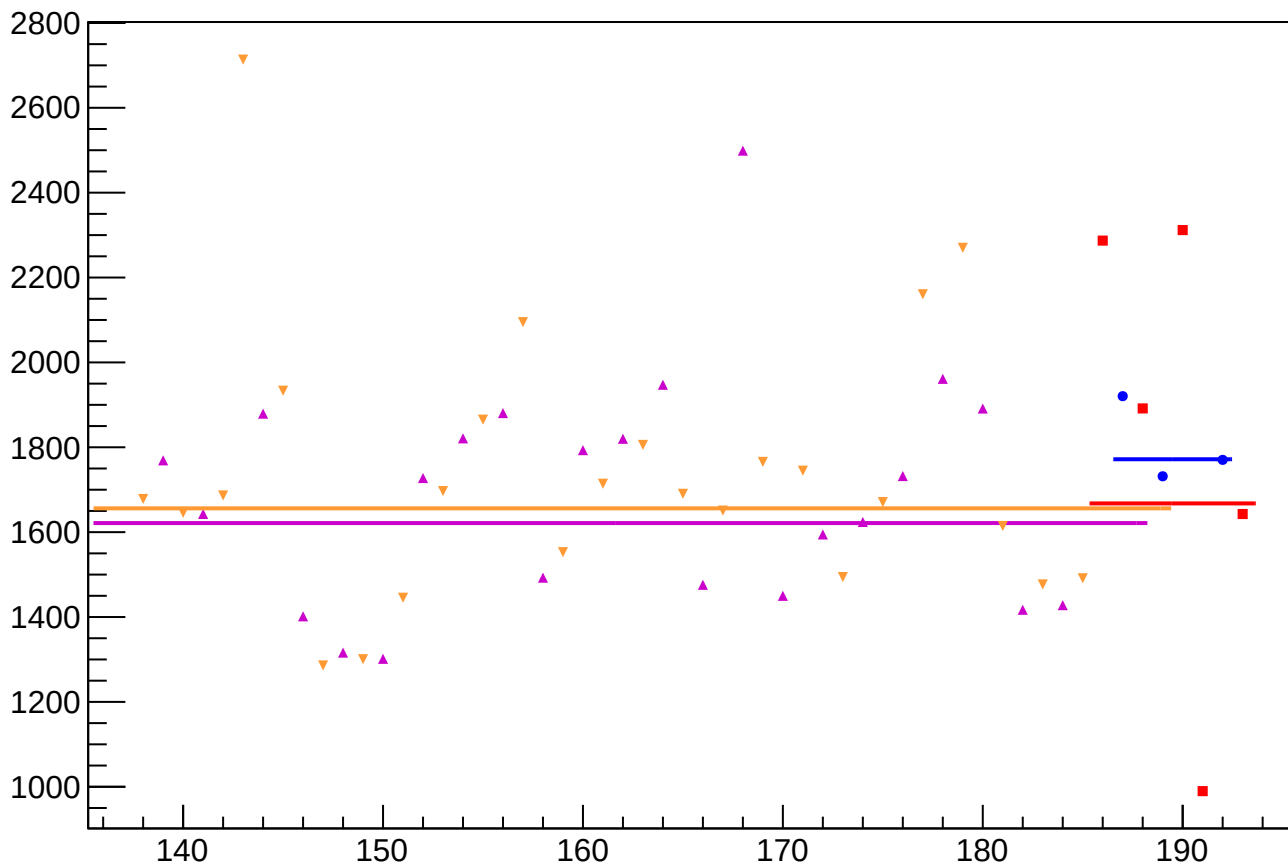
Left In: -2116.114 ± 392.997 $\chi^2/\text{NDF}: 18.8/22$

+ sign 1750.981 ± 378.242 $\chi^2/\text{NDF}: 27.7/27$

All: -299.685 ± 264.320 $\chi^2/\text{NDF}: 107.9/55$

- sign -2256.854 ± 369.519 $\chi^2/\text{NDF}: 22.7/27$

asym_us_agg_avg_rms vs Slug



Right In: 1771.774 ± 1.030 χ^2/NDF : 2268.9/2

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

Right Out: 1667.722 ± 0.767 χ^2/NDF : 316565.8/4

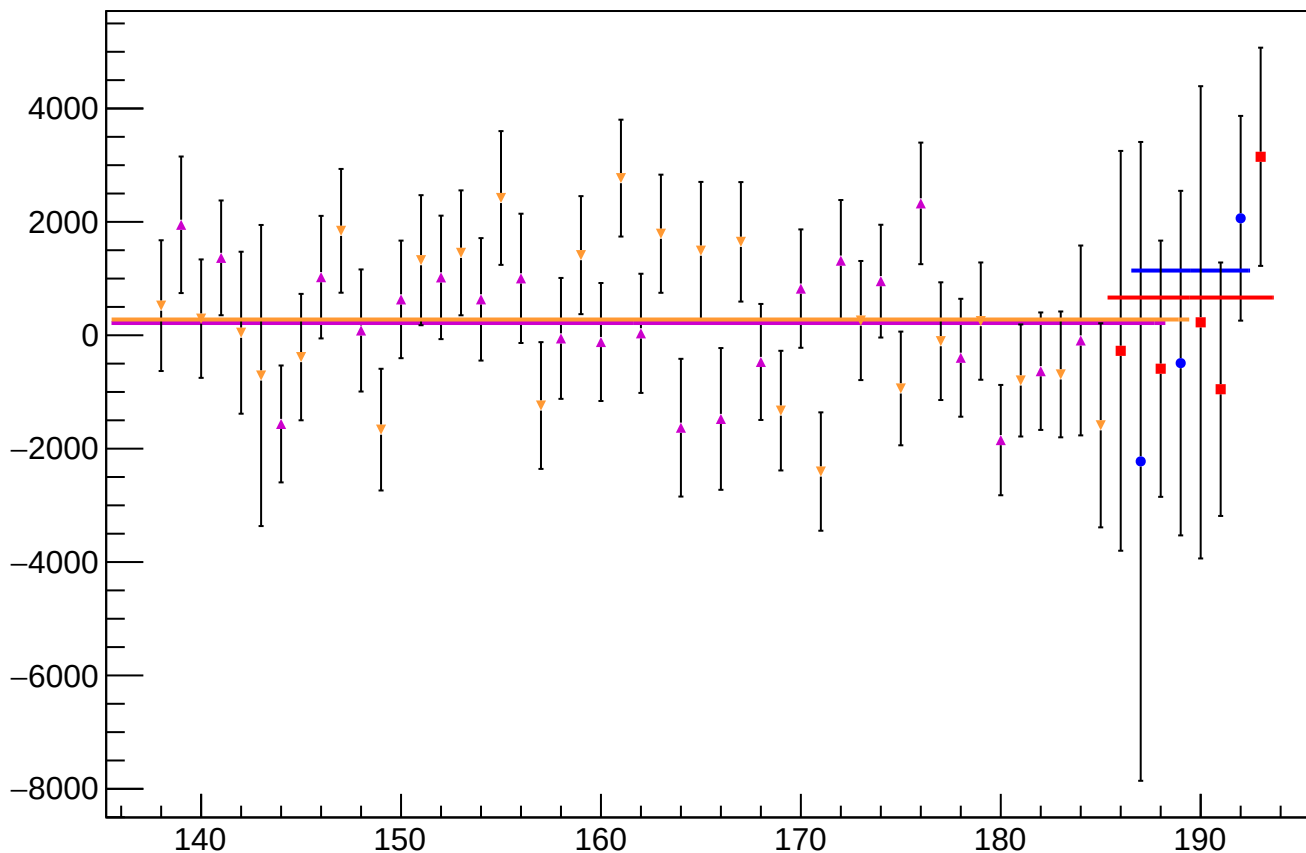
Left In: 1621.417 ± 0.278 χ^2/NDF : 775310.1/22

+ sign 1663.921 ± 0.267 χ^2/NDF : 924604.9/27

All: 1644.919 ± 0.187 χ^2/NDF : 2029563.8/55

- sign 1626.784 ± 0.261 χ^2/NDF : 1095094.3/27

asym_us_agg_dd_mean vs Slug



Right In: 1141.469 $\pm$ 1496.468 χ^2 /NDF: 0.9/2

Left Out: 278.090 $\pm$ 223.581 χ^2 /NDF: 38.4/24

Right Out: 665.395 $\pm$ 1115.215 χ^2 /NDF: 2.6/4

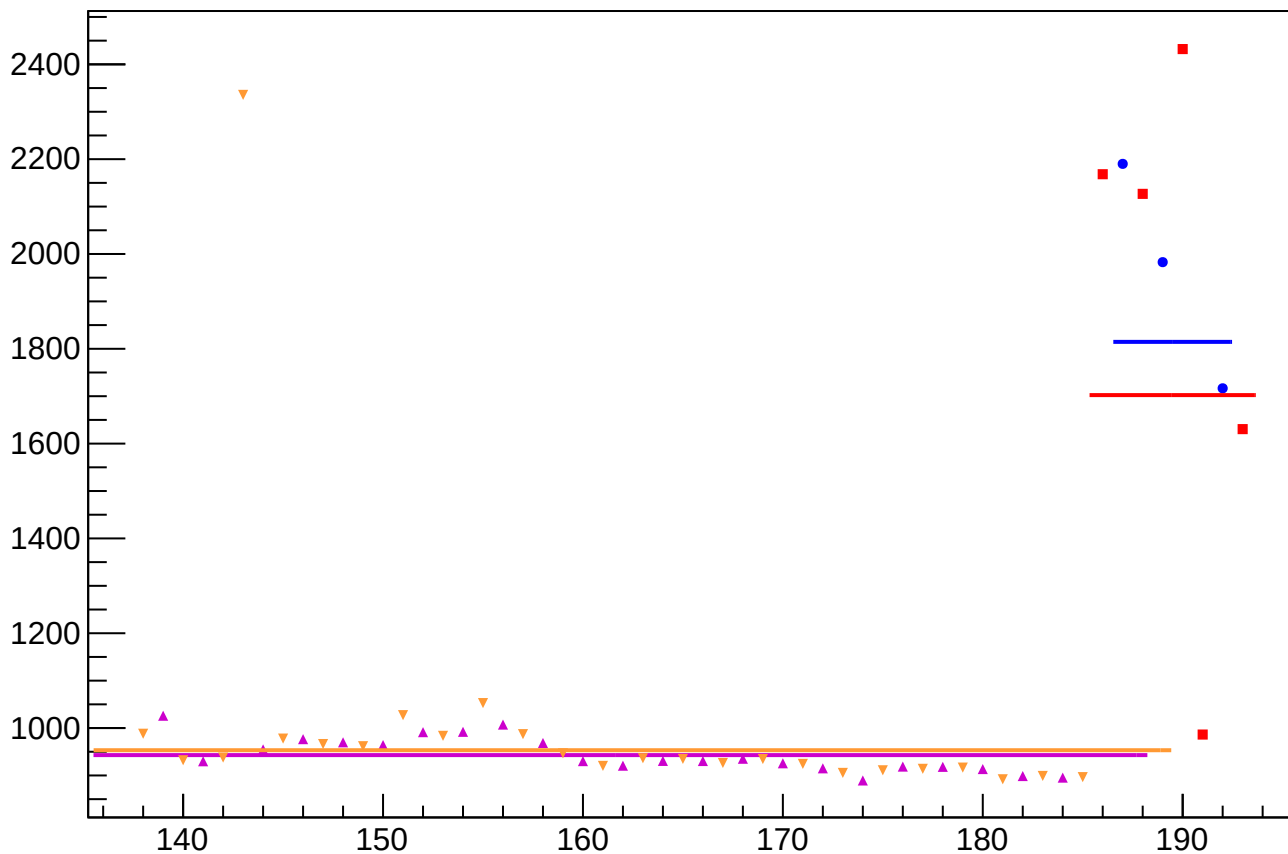
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 296.942 $\pm$ 221.126 χ^2 /NDF: 39.6/27

All: 265.362 $\pm$ 156.358 χ^2 /NDF: 66.8/55

- sign 233.784 $\pm$ 221.121 χ^2 /NDF: 27.2/27

asym_us_agg_dd_rms vs Slug



Right In: 1814.609 $\pm$ 1.058 χ^2/NDF : 20892.6/2

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

Right Out: 1702.323 $\pm$ 0.789 χ^2/NDF : 374943.9/4

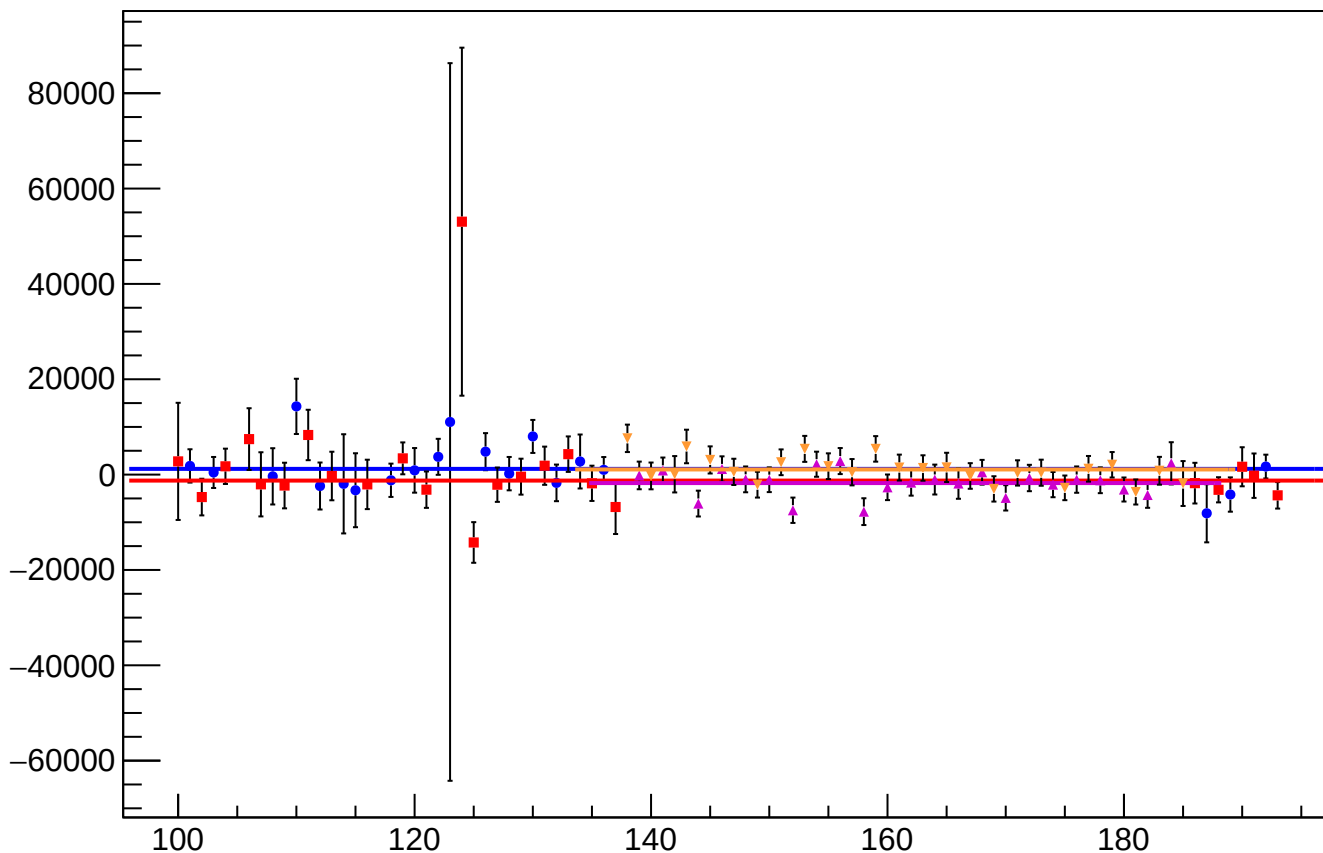
Left In: 942.927 $\pm$ 0.160 χ^2/NDF :48402.9/22

+ sign 972.029 $\pm$ 0.156 χ^2/NDF : 1275360.1/27

All: 972.405 $\pm$ 0.111 χ^2/NDF : 2589624.0/55

- sign 972.781 $\pm$ 0.156 χ^2/NDF : 1314252.3/27

reg_asym_atl1_mean vs Slug



Right In: 1201.500+/-900.113 χ^2/NDF : 17.3/19

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

Right Out: -1254.383+/-850.599 χ^2/NDF : 26.7/23

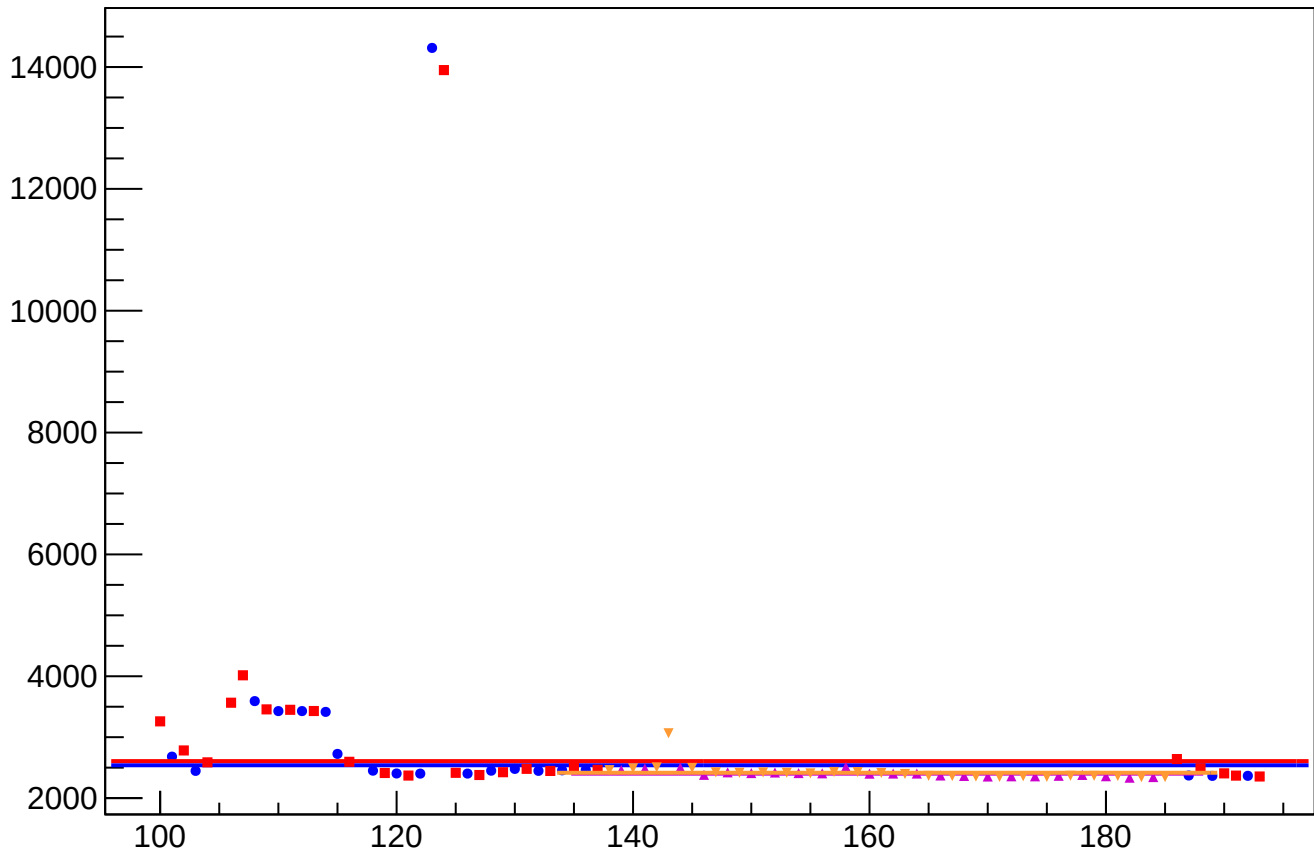
Left In: -1777.100+/-575.895 χ^2/NDF : 24.1/22

+ sign 1112.857+/-477.933 χ^2/NDF : 40.9/44

All: -252.987+/-337.575 χ^2/NDF : 108.2/91

- sign -1612.803+/-476.877 χ^2/NDF : 51.0/46

reg_asym_atl1_rms vs Slug



Right In: 2539.053 $\pm$ 0.636 χ^2 /NDF: 274067.5/19

Left Out: 2416.019 $\pm$ 0.399 χ^2 /NDF: 82636.1/24

Right Out: 2607.347 $\pm$ 0.601 χ^2 /NDF: 570346.2/23

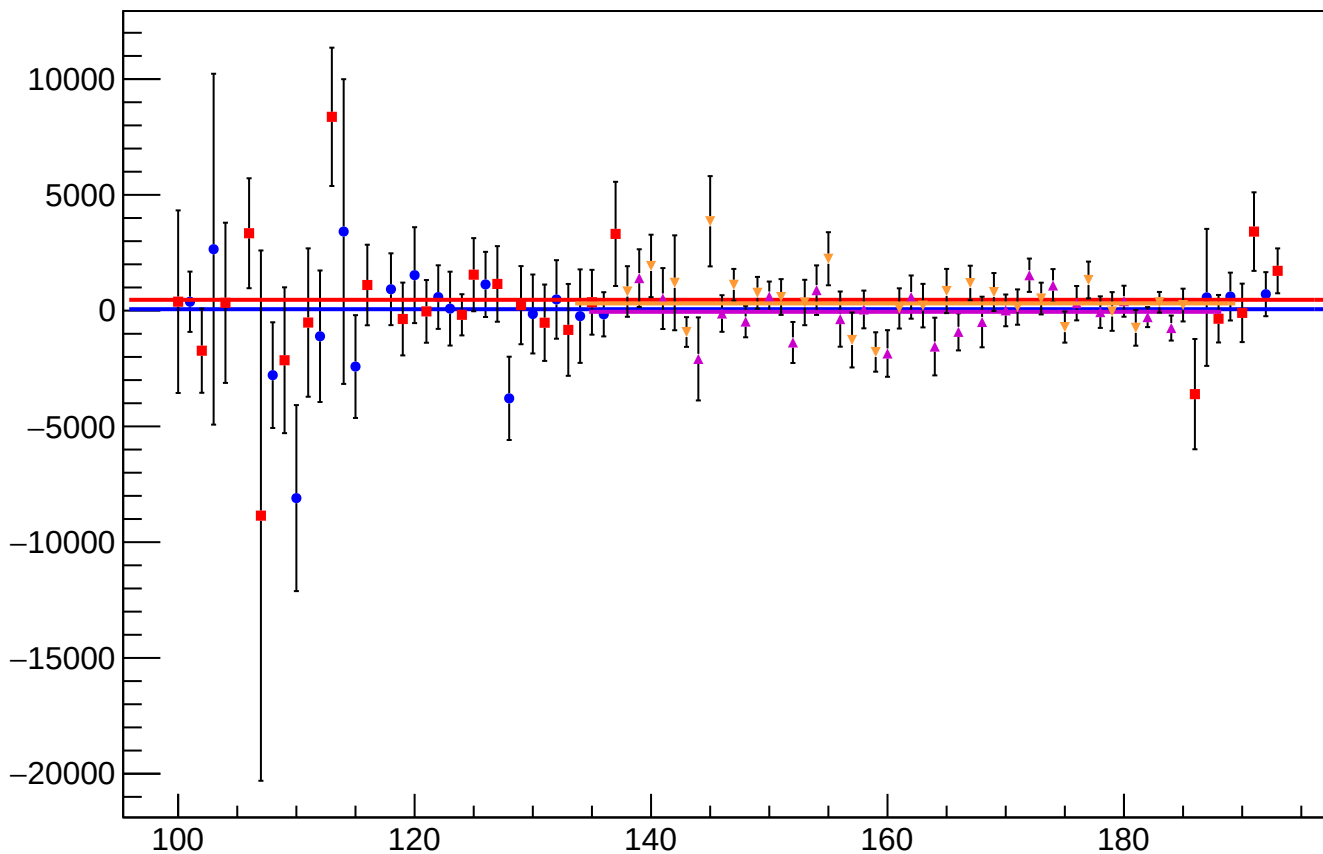
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2450.706 $\pm$ 0.338 χ^2 /NDF: 383535.2/44

All: 2458.443 $\pm$ 0.239 χ^2 /NDF: 1049050.6/91

- sign 2466.147 $\pm$ 0.337 χ^2 /NDF: 664469.4/46

asym_atl1_correction_mean vs Slug



Right In: 61.627 $\pm$ 358.344 χ^2 /NDF: 14.6/19

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

Right Out: 467.552 $\pm$ 331.258 χ^2 /NDF: 24.0/23

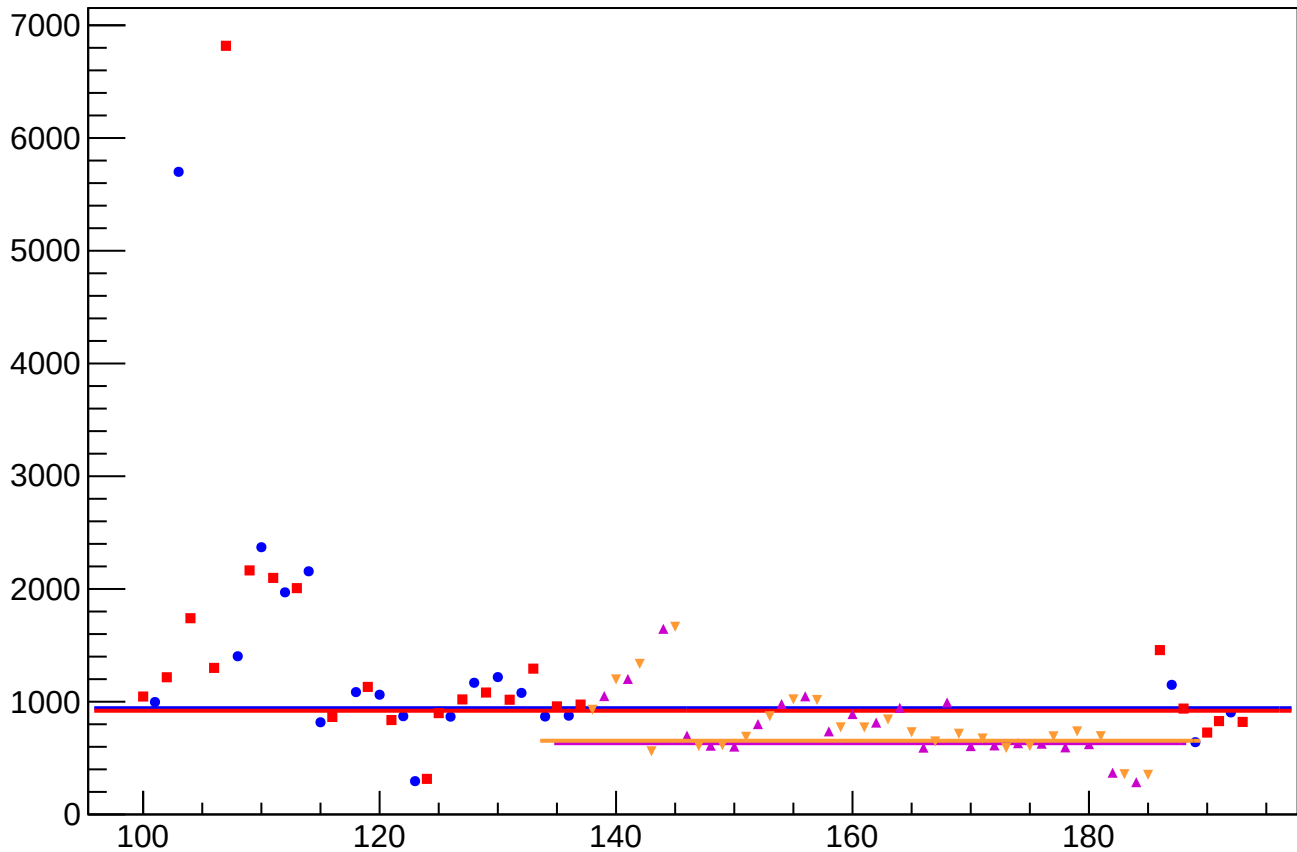
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF: 23.8/22

+ sign 269.162 $\pm$ 146.593 χ^2 /NDF: 44.7/44

All: 157.867 $\pm$ 103.212 χ^2 /NDF: 95.6/91

- sign 48.462 $\pm$ 145.344 χ^2 /NDF: 49.8/46

asym_atl1_correction_rms vs Slug



Right In: 942.530 $\pm$ 0.253 χ^2 /NDF: 2118247.5/19

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

Right Out: 920.033 $\pm$ 0.234 χ^2 /NDF: 2850186.7/23

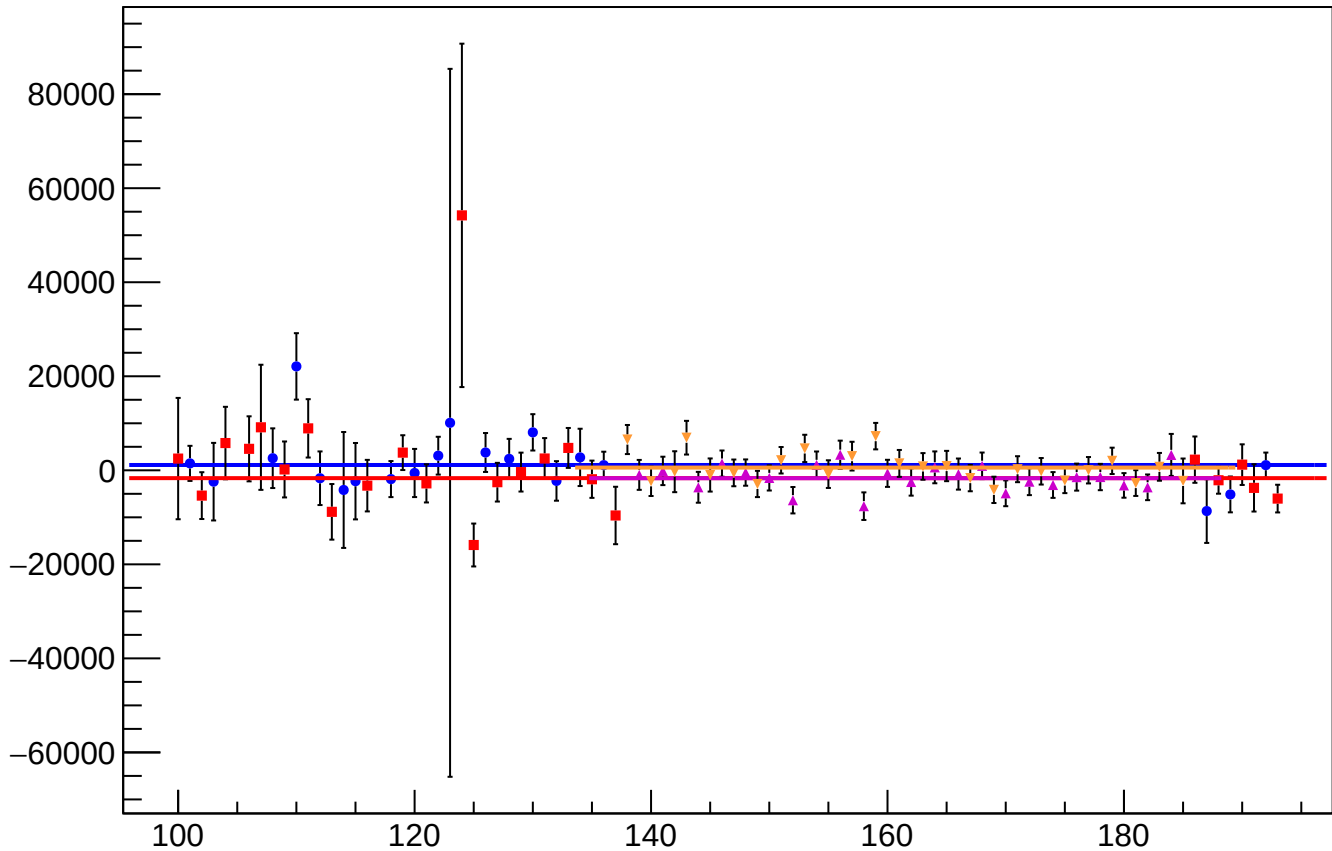
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 702.121 $\pm$ 0.104 χ^2 /NDF: 6454052.2/44

All: 694.744 $\pm$ 0.073 χ^2 /NDF: 14477689.8/90

- sign 687.493 $\pm$ 0.103 χ^2 /NDF: 8013594.3/46

asym_atl1_mean vs Slug



Right In: 1131.266 $\pm$ 1015.692 χ^2 /NDF: 19.9/19

Left Out: 580.879 $\pm$ 597.173 χ^2 /NDF: 25.3/24

Right Out: -1666.771 $\pm$ 963.649 χ^2 /NDF: 30.4/23

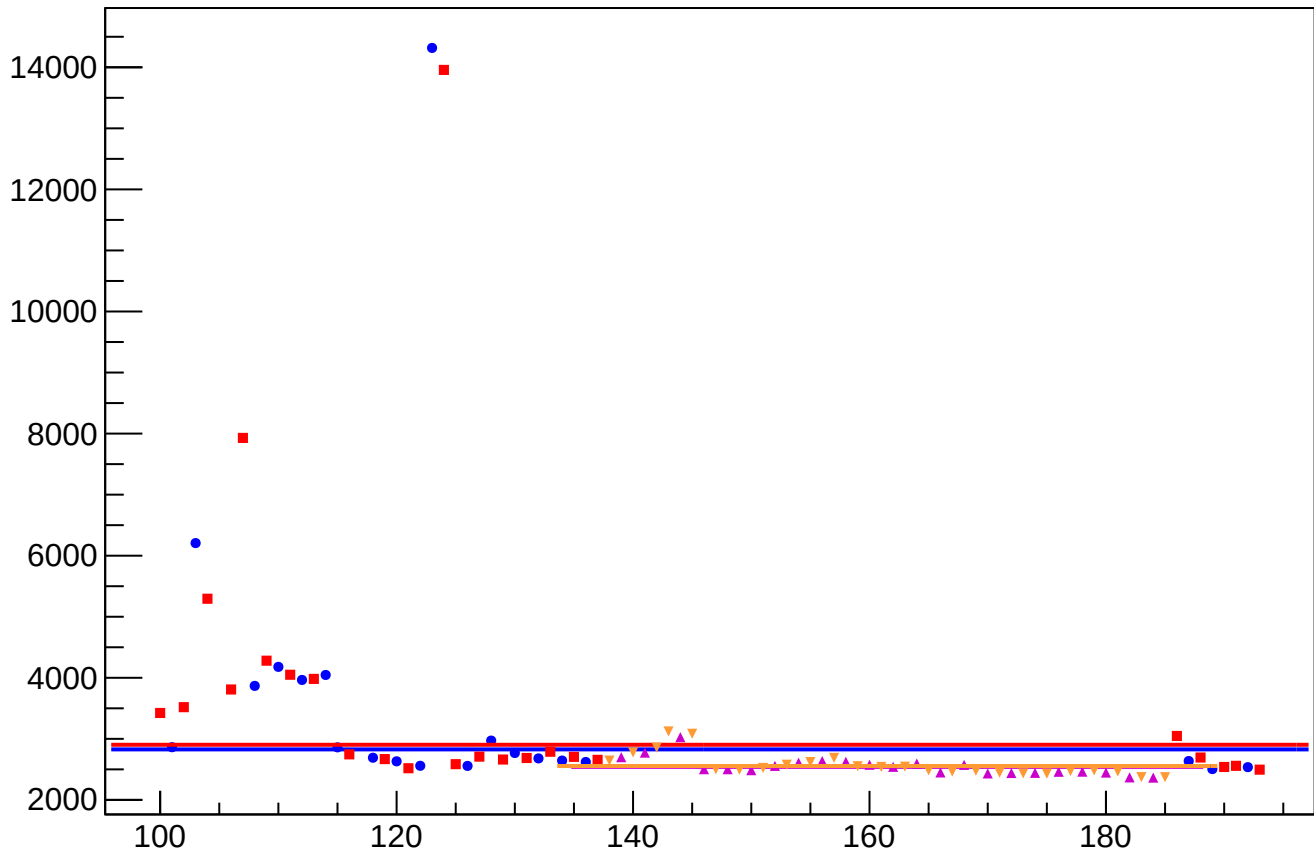
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 722.264 $\pm$ 514.789 χ^2 /NDF: 45.4/44

All: -475.210 $\pm$ 364.255 χ^2 /NDF: 104.9/91

- sign -1675.909 $\pm$ 515.482 χ^2 /NDF: 48.6/46

asym_atl1_rms vs Slug



Right In: 2827.172 ± 0.718 $\chi^2/\text{NDF}: 688490.7/19$

Left Out: 2555.279 ± 0.422 $\chi^2/\text{NDF}: 154743.6/24$

Right Out: 2902.994 ± 0.681 $\chi^2/\text{NDF}: 1109251.6/23$

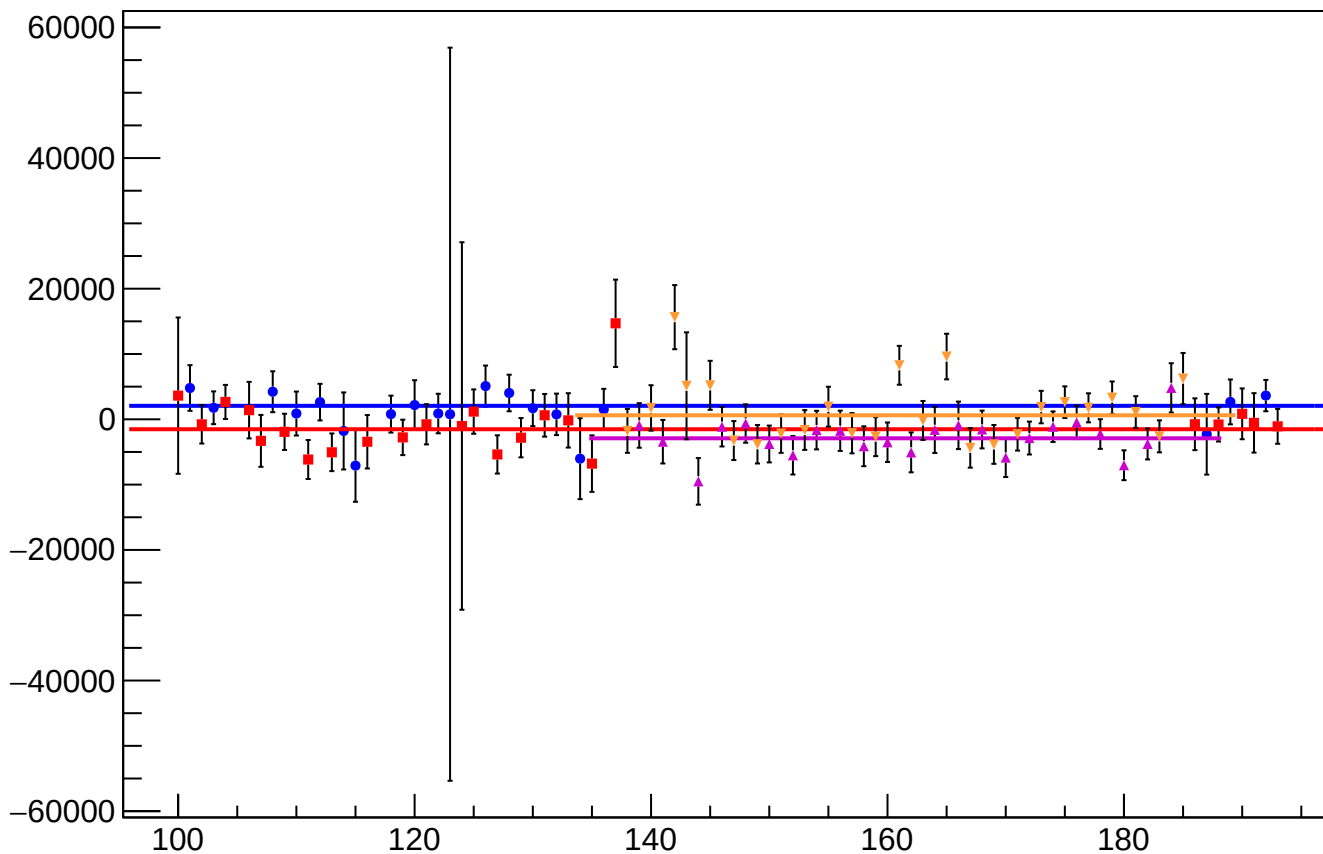
Left In: 2540.988 ± 0.431 $\chi^2/\text{NDF}: 94756.7/22$

+ sign 2625.124 ± 0.364 $\chi^2/\text{NDF}: 949736.4/44$

All: 2634.836 ± 0.258 $\chi^2/\text{NDF}: 2356651.6/91$

- sign 2644.575 ± 0.365 $\chi^2/\text{NDF}: 1405489.4/46$

reg_asym_atl2_mean vs Slug



Right In: 2062.917 $\pm$ 746.261 χ^2 /NDF: 9.1/19

Left Out: 614.867 $\pm$ 591.148 χ^2 /NDF:45.2/24

Right Out: -1519.805 $\pm$ 697.179 χ^2 /NDF: 18.9/23

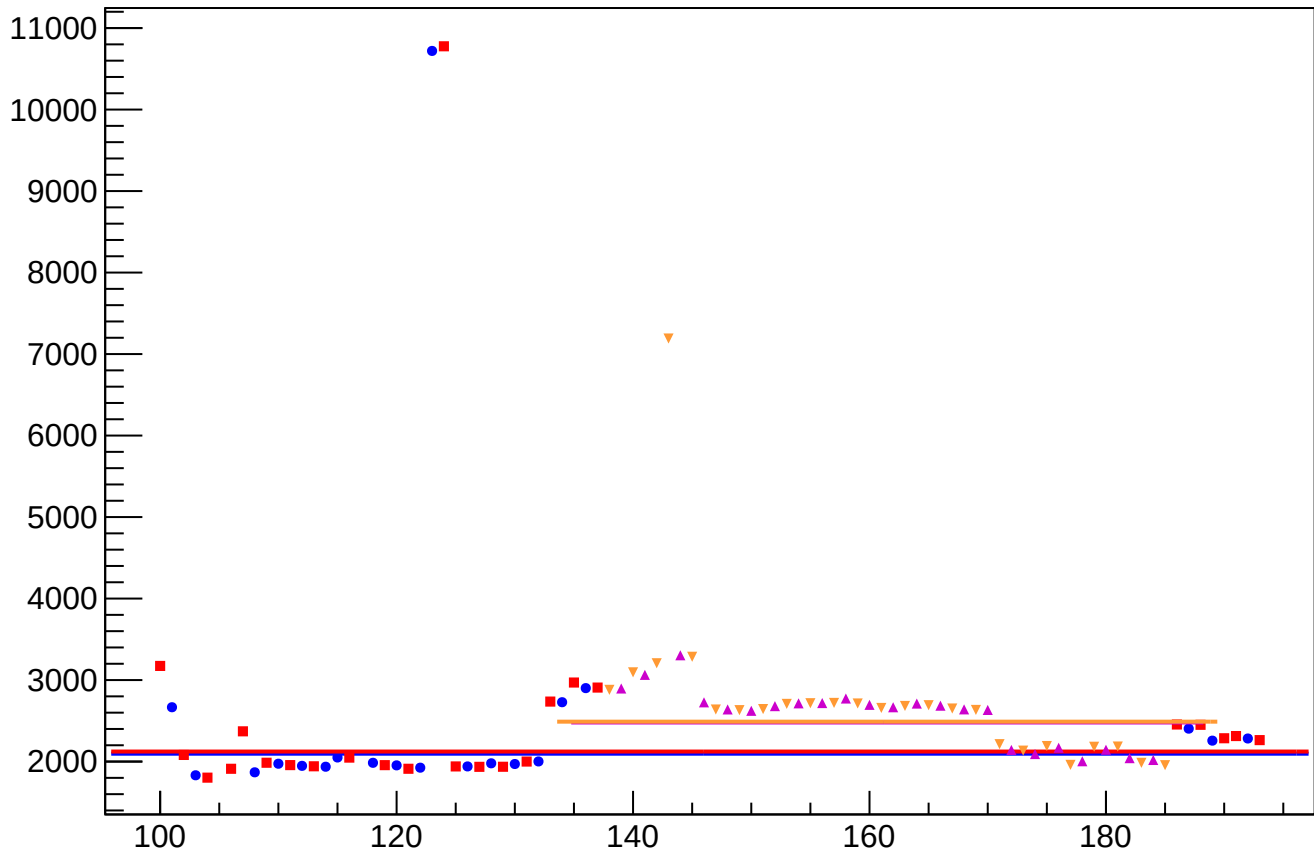
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF:17.4/22

+ sign 1173.176 $\pm$ 463.379 χ^2 /NDF: 56.6/44

All: -605.841 $\pm$ 324.521 χ^2 /NDF: 124.1/91

- sign -2318.326 $\pm$ 454.631 χ^2 /NDF: 38.6/46

reg_asym_atl2_rms vs Slug



Right In: 2096.517+/-0.528 χ^2/NDF : 342872.0/19

Left Out: 2489.577+/-0.418 χ^2/NDF :1364203.3/24

Right Out: 2122.966+/-0.493 χ^2/NDF : 514543.8/23

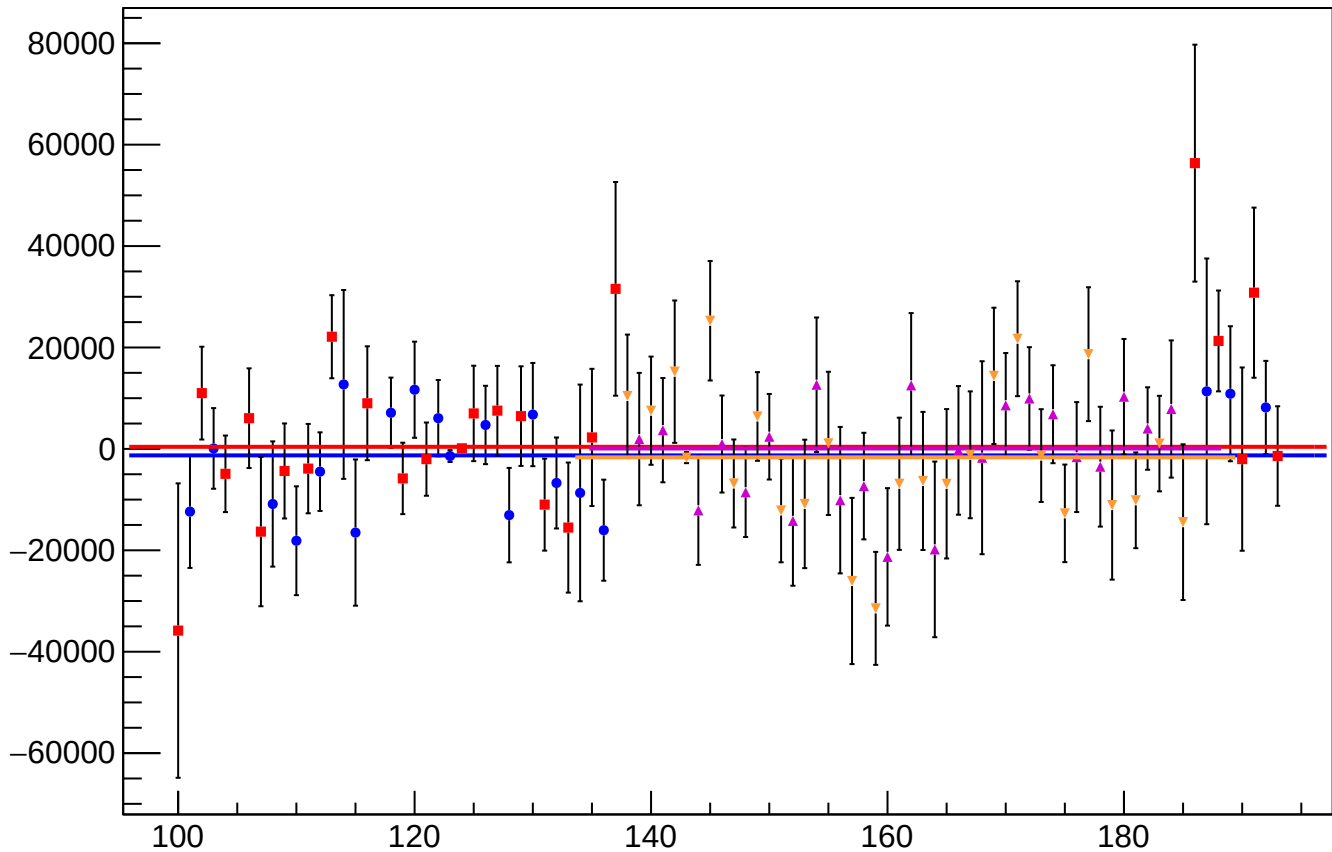
Left In: 2479.348+/-0.424 χ^2/NDF :668398.2/22

+ sign 2338.029+/-0.328 χ^2/NDF : 2047989.8/44

All: 2332.817+/-0.229 χ^2/NDF : 3531805.1/91

- sign 2327.801+/-0.321 χ^2/NDF : 1483318.8/46

asym_atl2_correction_mean vs Slug



Right In: -1278.620 $\pm$ 1043.712 χ^2 /NDF: 17.9/19

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

Right Out: 411.113 $\pm$ 690.523 χ^2 /NDF: 34.5/23

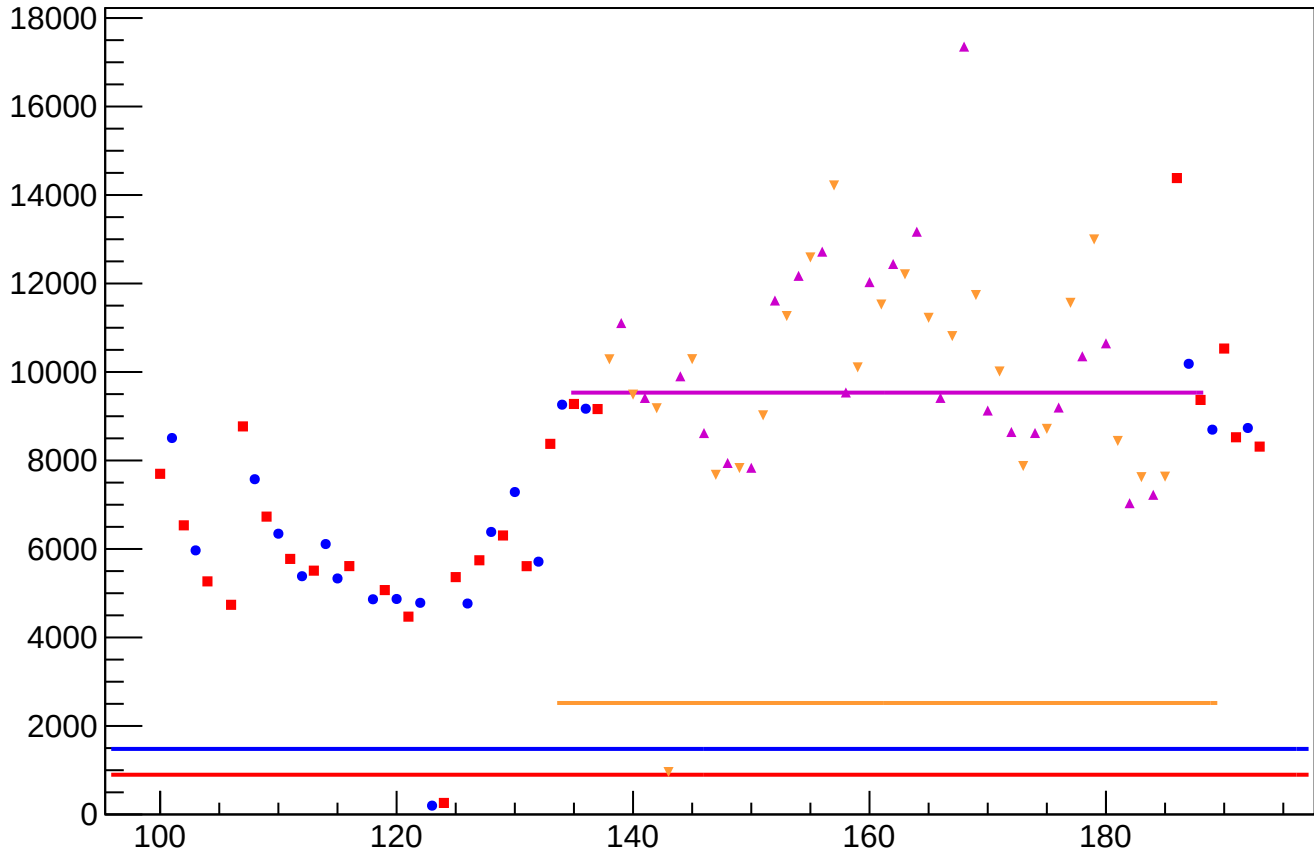
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF: 13.8/22

+ sign -1481.632 $\pm$ 719.440 χ^2 /NDF: 50.3/44

All: -471.275 $\pm$ 487.185 χ^2 /NDF: 102.3/91

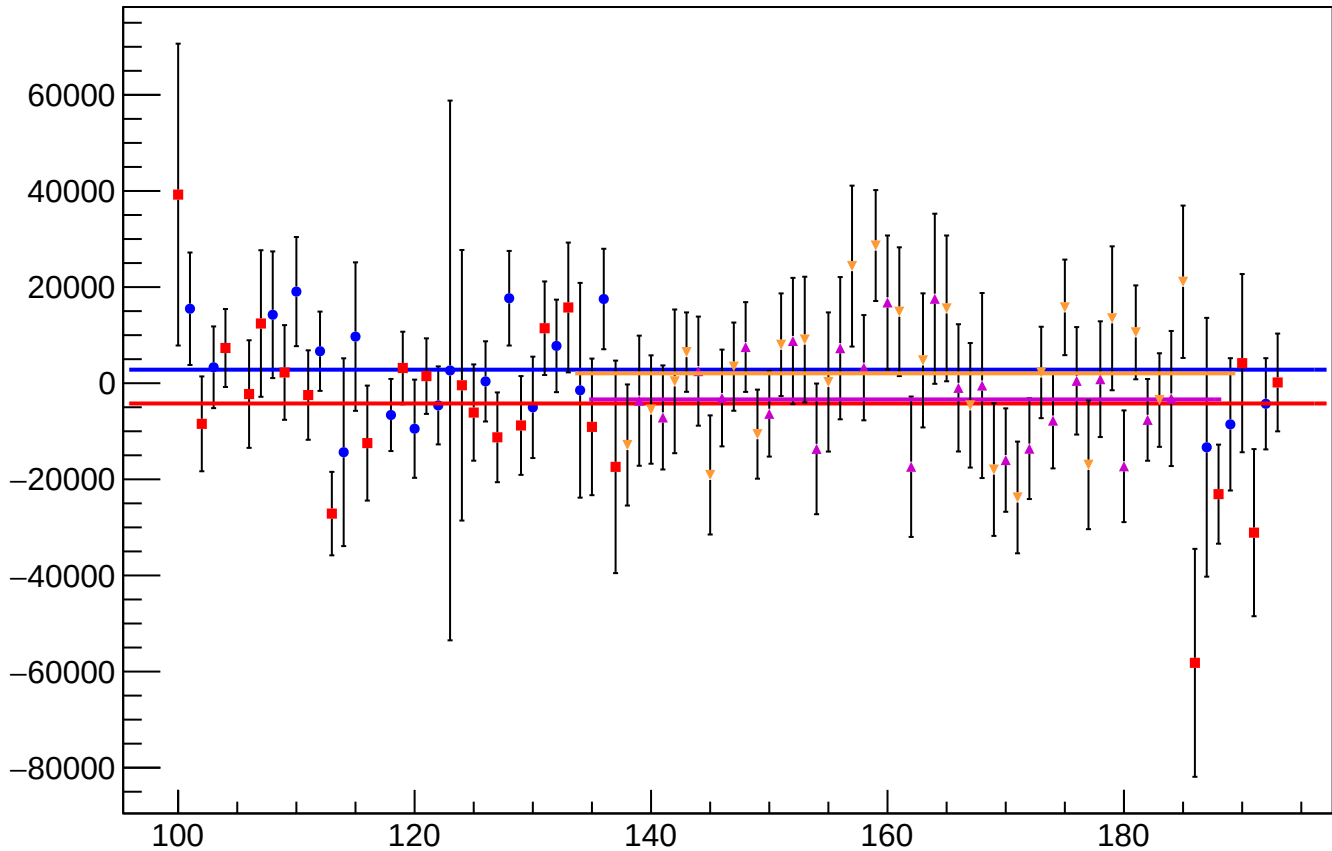
- sign 384.434 $\pm$ 662.095 χ^2 /NDF: 48.3/46

asym_atl2_correction_rms vs Slug



Right In: 1481.156+/-0.738	χ^2/NDF : 12127294.8/19	+ sign 2026.060+/-0.509	χ^2/NDF : 36808067.9/44
Left Out: 2519.359+/-0.702	χ^2/NDF : 23642118.3/24	All: 1792.219+/-0.344	χ^2/NDF : 79445591.5/5
Right Out: 897.767+/-0.488	χ^2/NDF : 15705286.8/23	- sign 1594.170+/-0.468	χ^2/NDF : 42247280.4/46
Left In: 9533.563+/-1.649	χ^2/NDF : 1316640.0/22		

asym_atl2_mean vs Slug



Right In: 2816.570 $\pm$ 2408.549 χ^2 /NDF: 15.8/19

Left Out: 2055.950 $\pm$ 2333.494 χ^2 /NDF:30.7/24

Right Out: -4216.613 $\pm$ 2253.892 χ^2 /NDF: 32.1/23

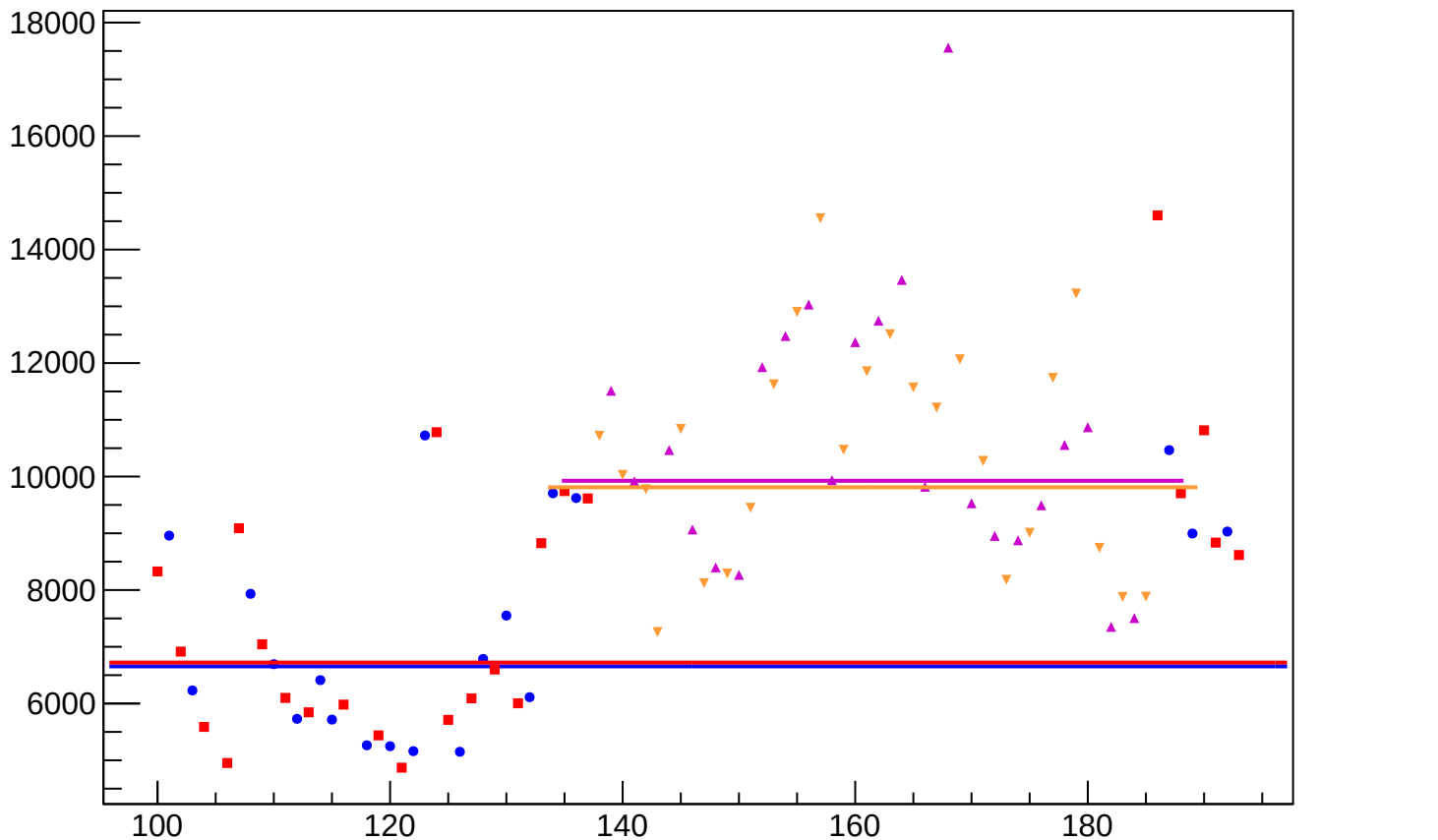
Left In: -3371.931 $\pm$ 2423.242 χ^2 /NDF:13.1/22

+ sign 2424.224 $\pm$ 1675.936 χ^2 /NDF: 46.6/44

All: -748.328 $\pm$ 1175.921 χ^2 /NDF: 98.9/91

- sign -3824.816 $\pm$ 1650.367 χ^2 /NDF: 45.3/46

asym_atl2_rms vs Slug



Right In: 6655.374 ± 1.703 $\chi^2/\text{NDF}: 826920.8/19$

Left Out: 9811.053 ± 1.650 $\chi^2/\text{NDF}: 1213831.0/24$

Right Out: 6722.656 ± 1.594 $\chi^2/\text{NDF}: 1191638.4/23$

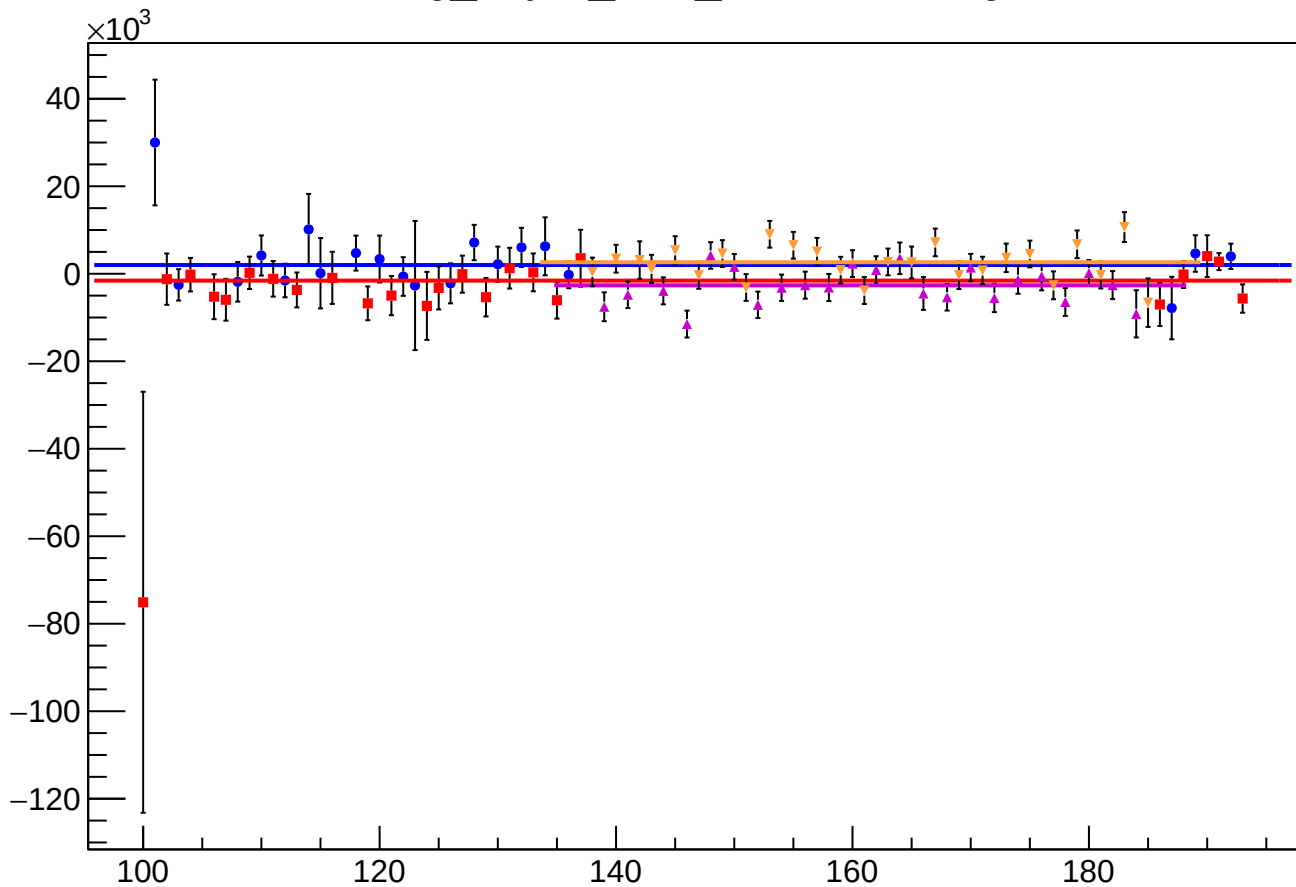
Left In: 9925.337 ± 1.713 $\chi^2/\text{NDF}: 1211554.7/22$

+ sign 8283.141 ± 1.185 $\chi^2/\text{NDF}: 3811706.8/44$

All: 8245.054 ± 0.831 $\chi^2/\text{NDF}: 8090094.6/91$

- sign 8208.121 ± 1.167 $\chi^2/\text{NDF}: 4276353.3/46$

reg_asym_atr1_mean vs Slug



Right In: 1994.370 $\pm$ 1011.768 χ^2 /NDF: 16.2/19

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

Right Out: -1564.652 $\pm$ 840.449 χ^2 /NDF: 20.0/23

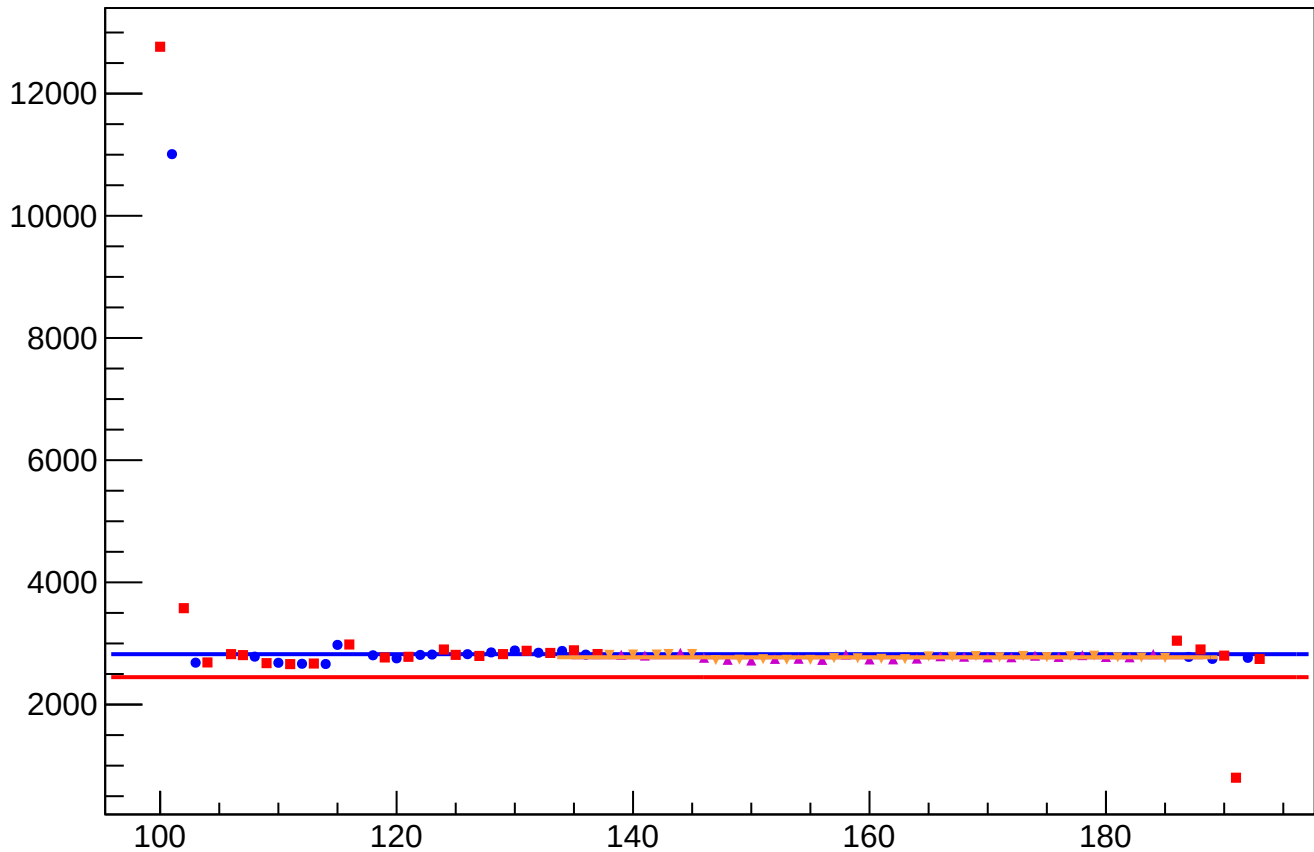
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2450.014 $\pm$ 544.554 χ^2 /NDF: 51.6/44

All: 10.285 $\pm$ 376.563 χ^2 /NDF: 146.3/91

- sign -2225.443 $\pm$ 521.290 χ^2 /NDF: 56.2/46

reg_asym_atr1_rms vs Slug



Right In: 2824.434+/-0.715 χ^2/NDF : 662139.4/19

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

Right Out: 2448.291+/-0.594 χ^2/NDF : 1893870.6/23

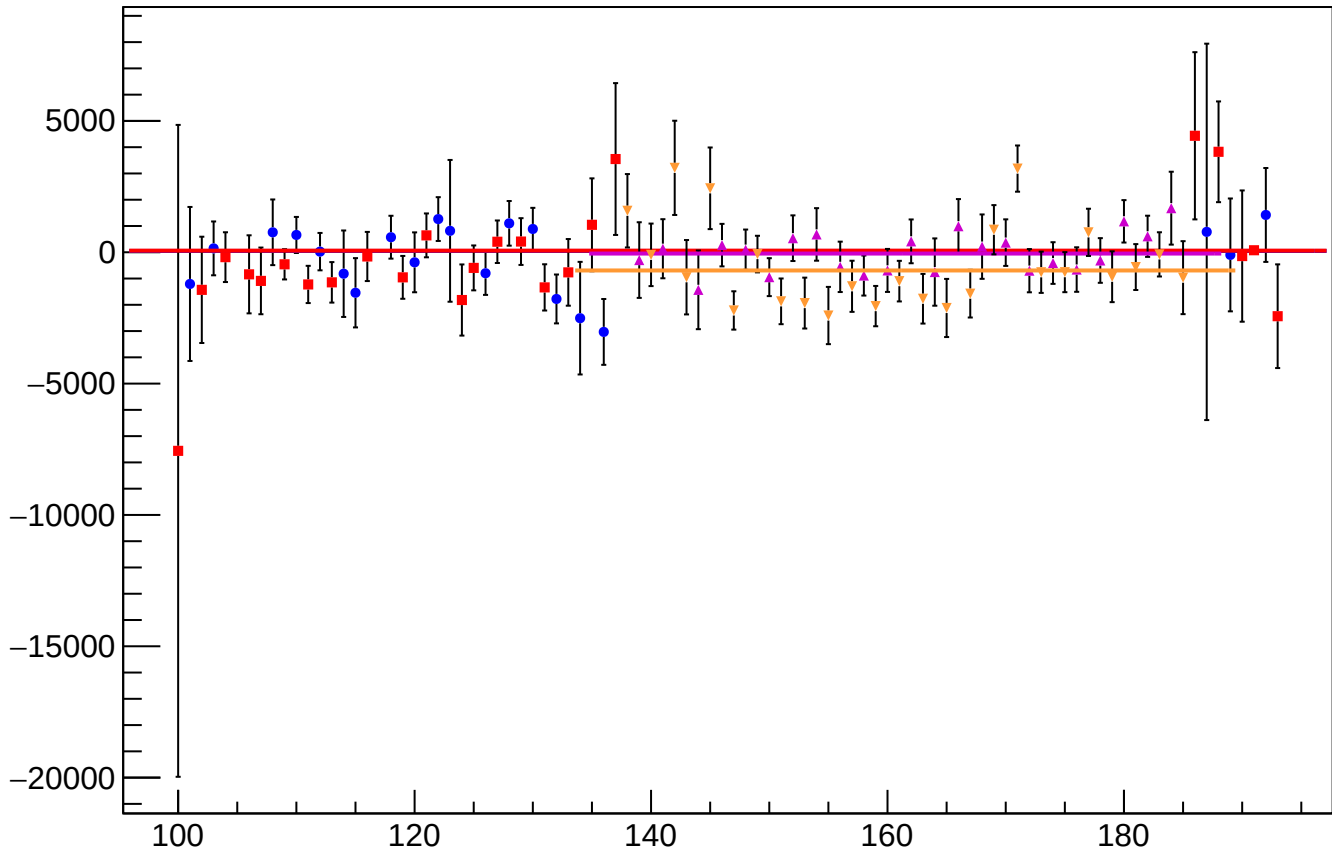
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2788.406+/-0.385 χ^2/NDF : 670325.9/44

All: 2715.514+/-0.266 χ^2/NDF : 2822714.8/90

- sign 2648.718+/-0.369 χ^2/NDF : 2083715.7/46

asym_atr1_correction_mean vs Slug



Right In: 49.871 $\pm$ 238.634 χ^2/NDF : 21.4/19

Left Out: -692.808 $\pm$ 187.297 χ^2/NDF :56.0/24

Right Out: 60.929 $\pm$ 37.918 χ^2/NDF : 25.9/23

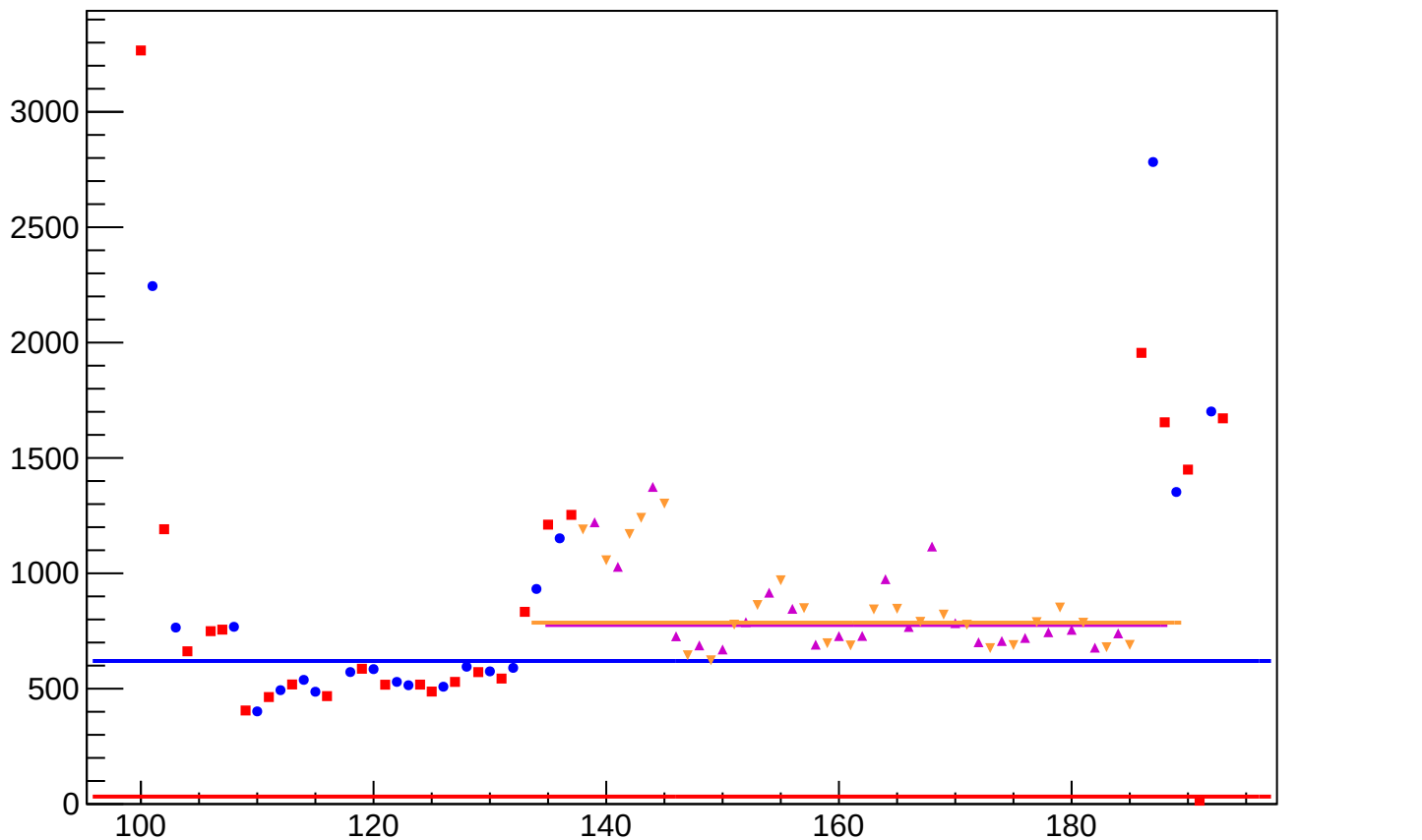
Left In: -49.244 $\pm$ 189.190 χ^2/NDF :13.6/22

+ sign -409.700 $\pm$ 147.335 χ^2/NDF : 83.4/44

All: 28.755 $\pm$ 36.049 χ^2/NDF : 132.6/91

- sign 56.675 $\pm$ 37.179 χ^2/NDF : 39.9/46

asym_atr1_correction_rms vs Slug



Right In: 620.084+/-0.169 χ^2/NDF : 2604806.0/19

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

Right Out: 32.299+/-0.027 χ^2/NDF : 16832730.9/23

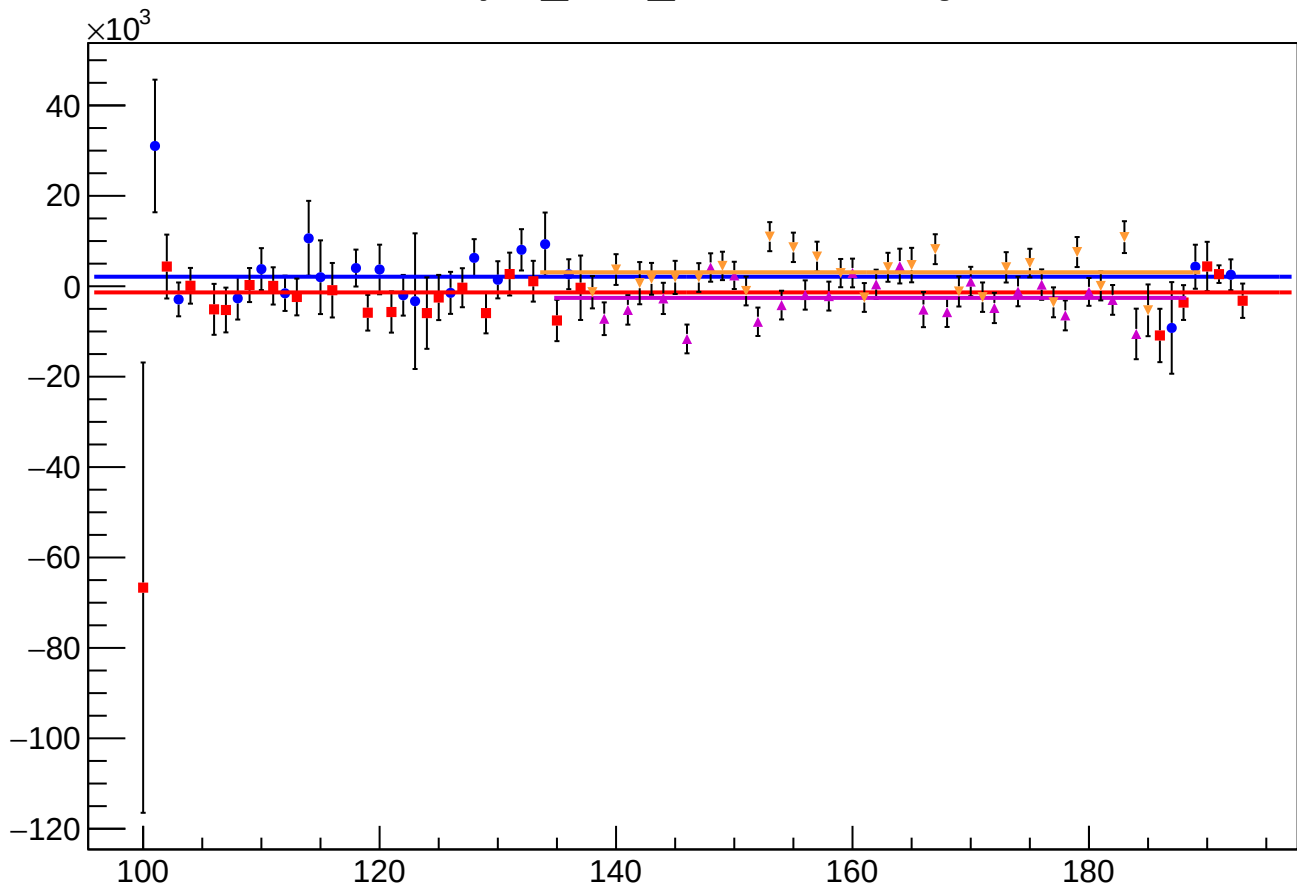
Left In: 775.930+/-0.134 χ^2/NDF : 1056766.5/22

+ sign 722.860+/-0.104 χ^2/NDF : 4453861.1/44

All: 100.638+/-0.025 χ^2/NDF : 89991051.8/9

- sign 61.017+/-0.026 χ^2/NDF : 47595588.6/46

asym_atr1_mean vs Slug



Right In: 2110.023 $\pm$ 1070.990 χ^2 /NDF: 15.9/19

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

Right Out: -1361.007 $\pm$ 887.442 χ^2 /NDF: 19.1/23

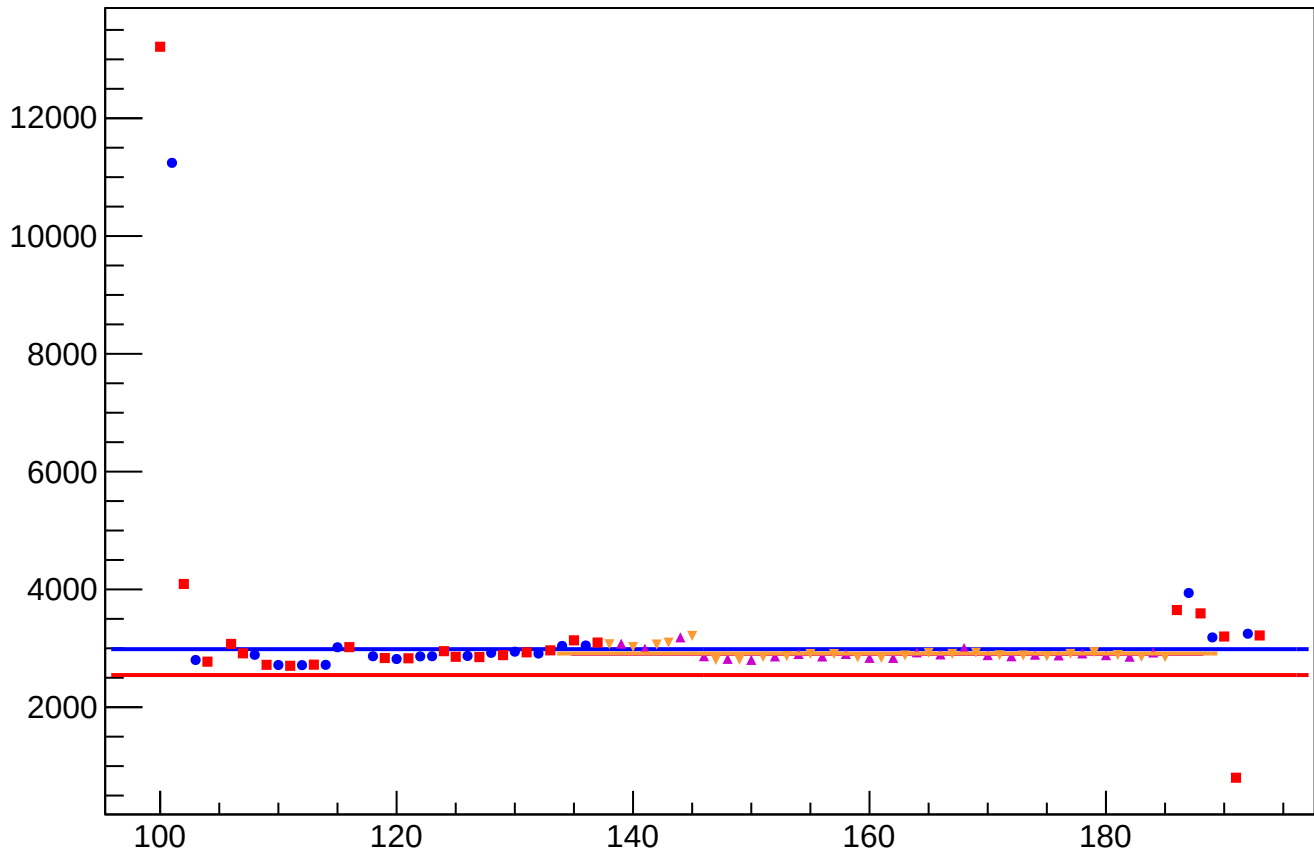
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2812.767 $\pm$ 573.166 χ^2 /NDF: 55.2/44

All: 238.075 $\pm$ 395.926 χ^2 /NDF: 149.8/91

- sign -2111.708 $\pm$ 547.560 χ^2 /NDF: 56.0/46

asym_atr1_rms vs Slug



Right In: 2985.429+/-0.757 χ^2/NDF : 699448.1/19

Left Out: 2911.226+/-0.480 χ^2/NDF : 36644.3/24

Right Out: 2545.929+/-0.628 χ^2/NDF : 2284816.0/23

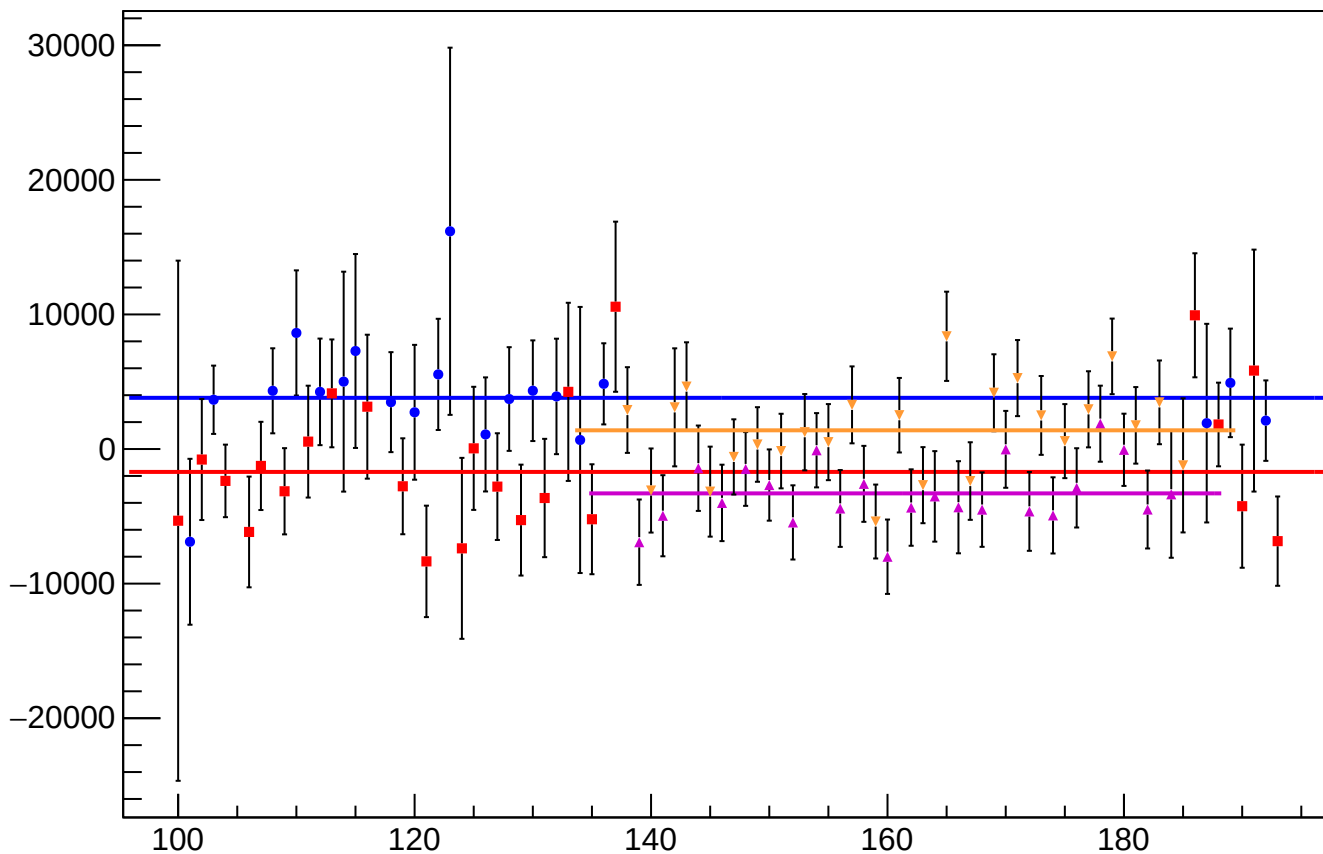
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2932.478+/-0.405 χ^2/NDF : 742943.3/44

All: 2846.126+/-0.280 χ^2/NDF : 3344406.3/91

- sign 2767.317+/-0.387 χ^2/NDF : 2514637.0/46

reg_asym_atr2_mean vs Slug



Right In: 3803.741 $\pm$ 927.056 χ^2 /NDF: 6.6/19

Left Out: 1390.275 $\pm$ 596.516 χ^2 /NDF:29.2/24

Right Out: -1700.700 $\pm$ 849.592 χ^2 /NDF: 25.7/23

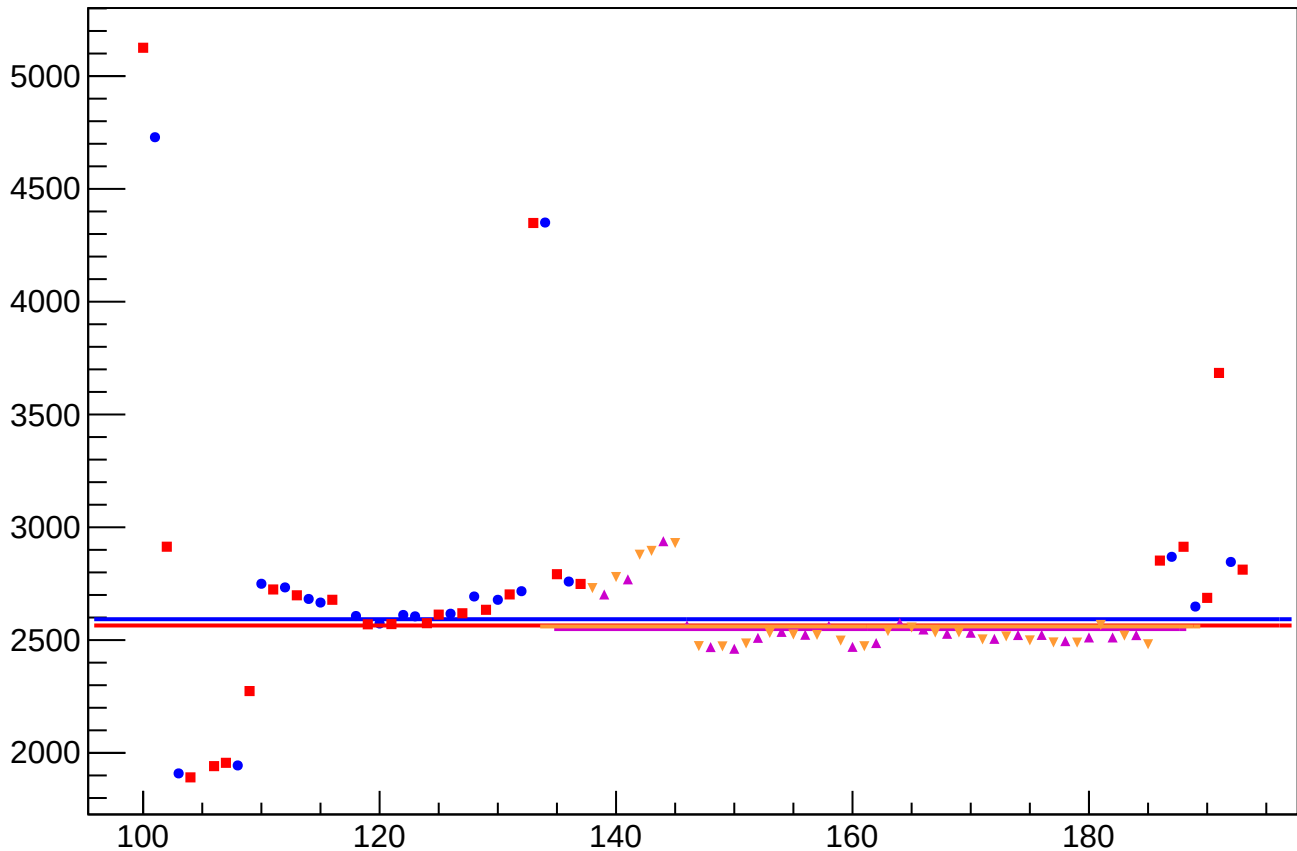
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF:14.9/22

+ sign 2096.942 $\pm$ 501.641 χ^2 /NDF: 40.5/44

All: -357.852 $\pm$ 352.523 χ^2 /NDF: 130.7/91

- sign -2752.940 $\pm$ 495.503 χ^2 /NDF: 42.9/46

reg_asym_atr2_rms vs Slug



Right In: 2592.535 $\pm$ 0.656 χ^2 /NDF: 566210.1/19

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

Right Out: 2564.720 $\pm$ 0.601 χ^2 /NDF: 542484.1/23

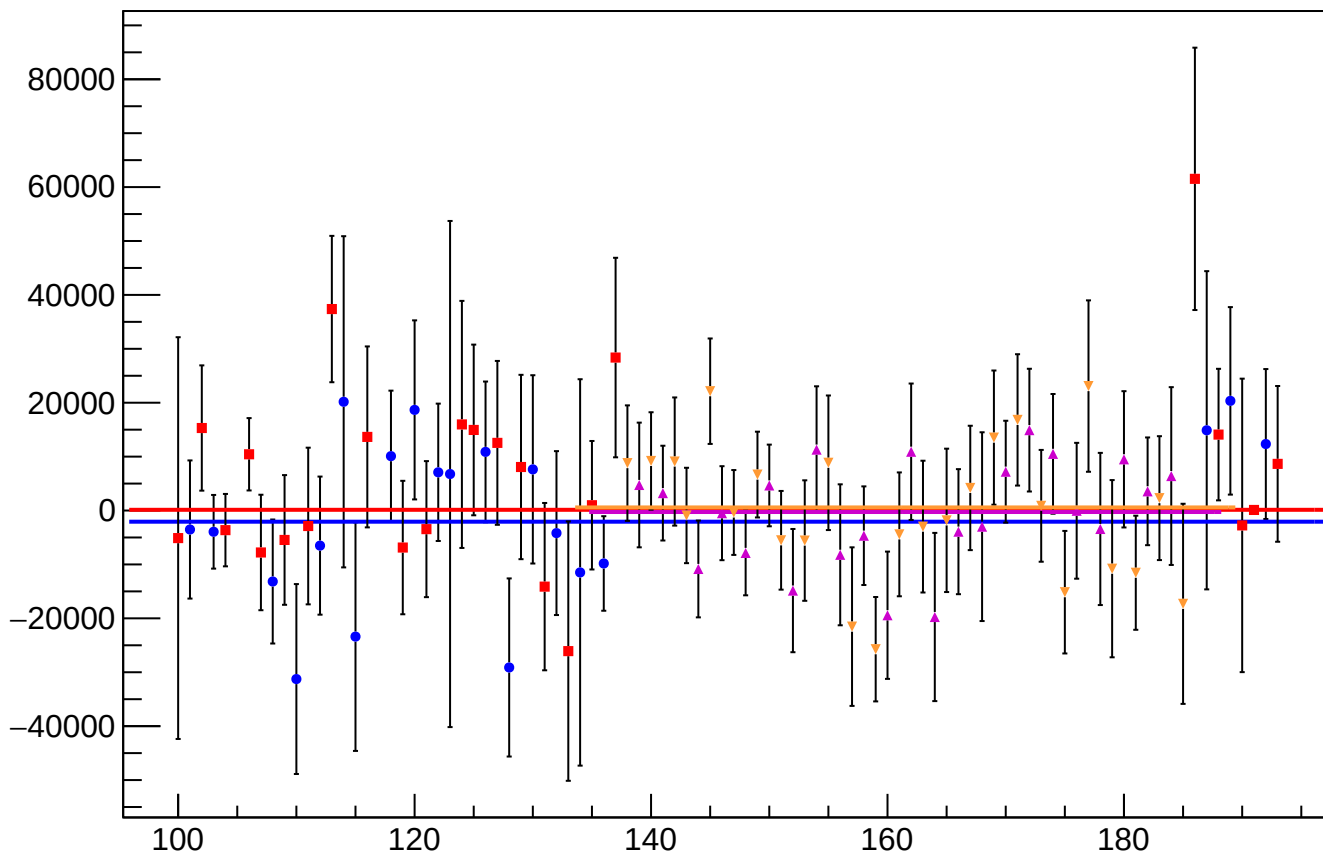
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF:55266.2/22

+ sign 2569.902 $\pm$ 0.355 χ^2 /NDF: 654667.1/44

All: 2561.985 $\pm$ 0.249 χ^2 /NDF: 1253860.9/91

- sign 2554.261 $\pm$ 0.350 χ^2 /NDF: 598209.6/46

asym_atr2_correction_mean vs Slug



Right In: -2071.932 ± 3082.699 χ^2/NDF : 16.4/19

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

Right Out: 133.718 ± 195.041 χ^2/NDF : 28.4/23

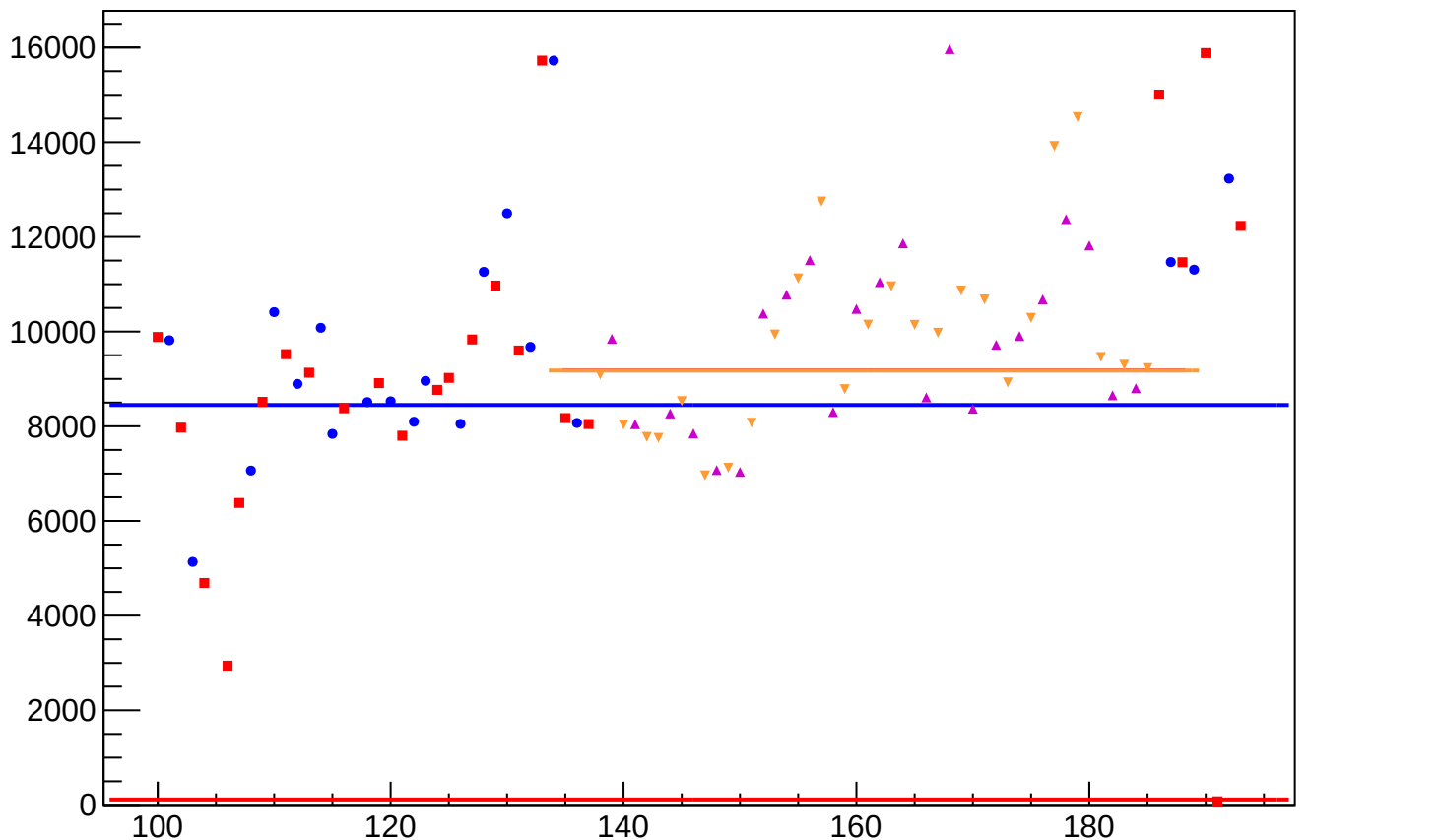
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -311.460 ± 1782.287 χ^2/NDF : 45.2/44

All: 125.456 ± 193.163 χ^2/NDF : 89.4/91

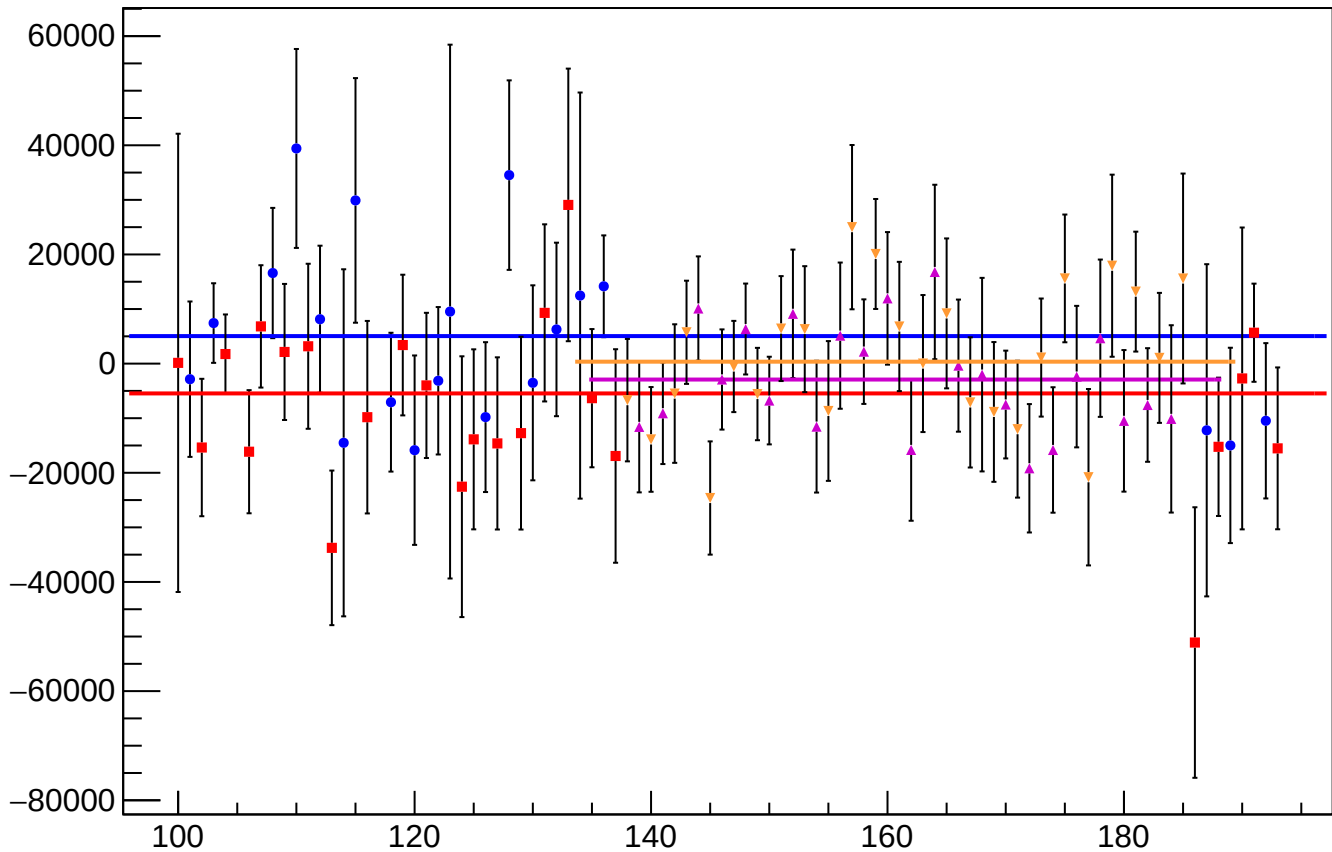
- sign 130.649 ± 194.307 χ^2/NDF : 44.1/46

asym_atr2_correction_rms vs Slug



Right In: 8448.591+/-2.180	χ^2/NDF : 1136406.5/19	+ sign 8933.975+/-1.260	χ^2/NDF : 2387082.2/44
Left Out: 9177.688+/-1.545	χ^2/NDF : 1176195.8/24	All: 287.191+/-0.137	χ^2/NDF : 101679664.3/9
Right Out: 116.381+/-0.138	χ^2/NDF : 17996807.3/23	- sign 184.418+/-0.137	χ^2/NDF : 51658756.4/46
Left In: 9181.254+/-1.586	χ^2/NDF : 1236469.7/22		

asym_atr2_mean vs Slug



Right In: 5042.983 $\pm$ 3248.617 χ^2 /NDF: 17.4/19

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

Right Out: -5460.595 $\pm$ 2824.029 χ^2 /NDF: 19.3/23

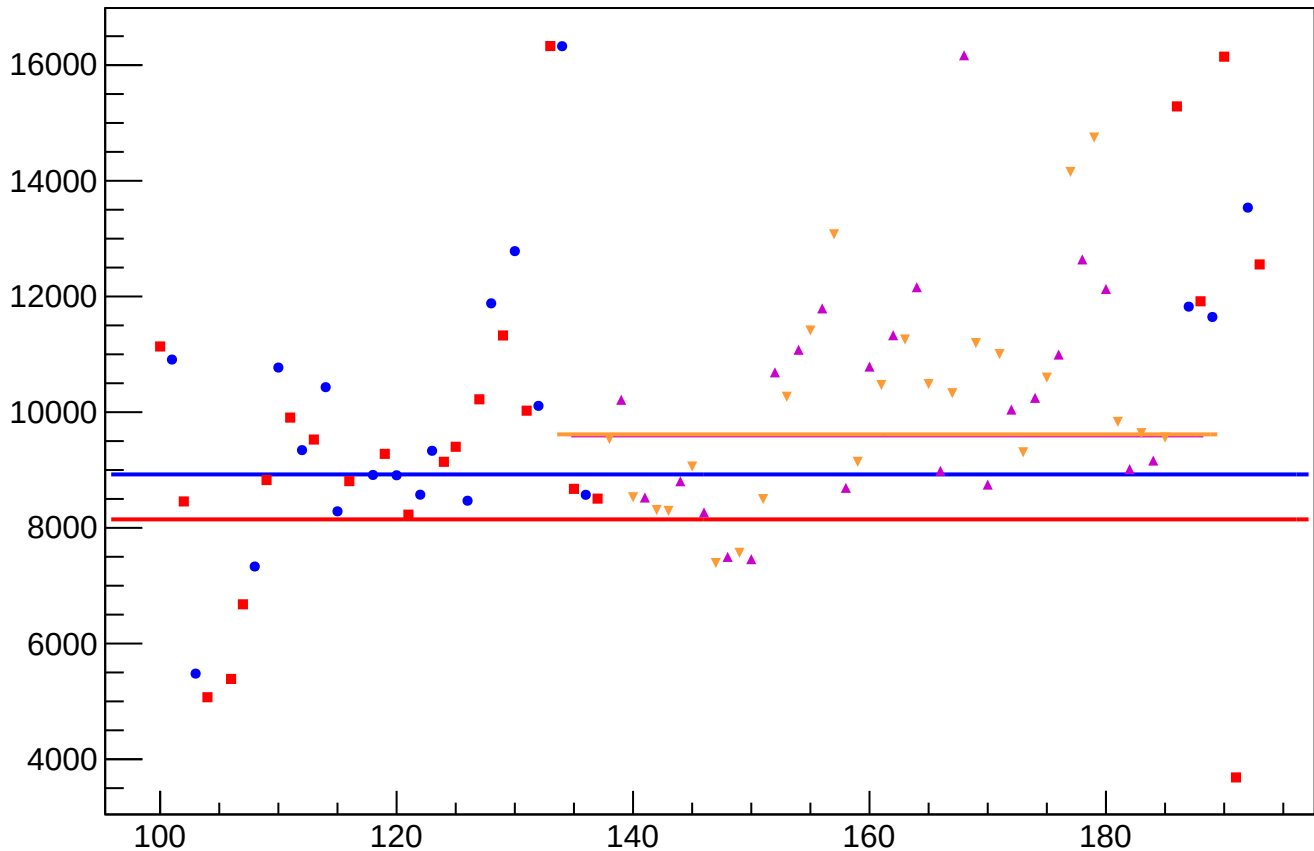
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1904.124 $\pm$ 1867.159 χ^2 /NDF: 45.0/44

All: -1129.567 $\pm$ 1296.302 χ^2 /NDF: 84.8/91

- sign -3952.457 $\pm$ 1801.119 χ^2 /NDF: 34.7/46

asym_atr2_rms vs Slug



Right In: 8923.882+/-2.297 χ^2/NDF : 1072197.2/19

Left Out: 9616.245+/-1.613 χ^2/NDF : 1011665.6/24

Right Out: 8146.554+/-1.997 χ^2/NDF : 2135181.5/23

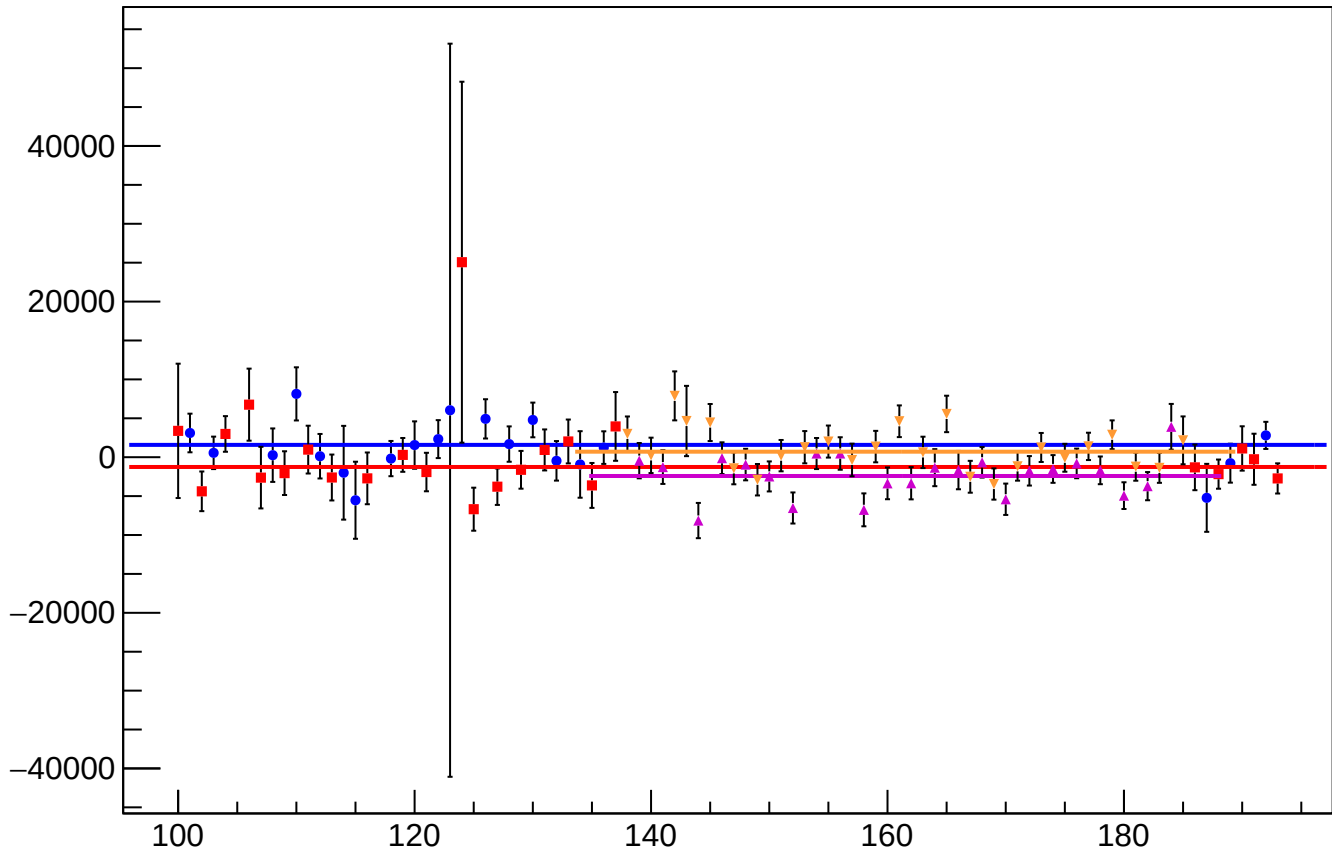
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

+ sign 9387.528+/-1.320 χ^2/NDF : 2144697.8/44

All: 9190.872+/-0.917 χ^2/NDF : 5718537.9/91

- sign 9007.887+/-1.274 χ^2/NDF : 3531010.2/46

reg_asym_atl_avg_mean vs Slug



Right In: 1583.646 $\pm$ 602.469 χ^2 /NDF: 16.5/19

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

Right Out: -1256.064 $\pm$ 568.891 χ^2 /NDF: 22.0/23

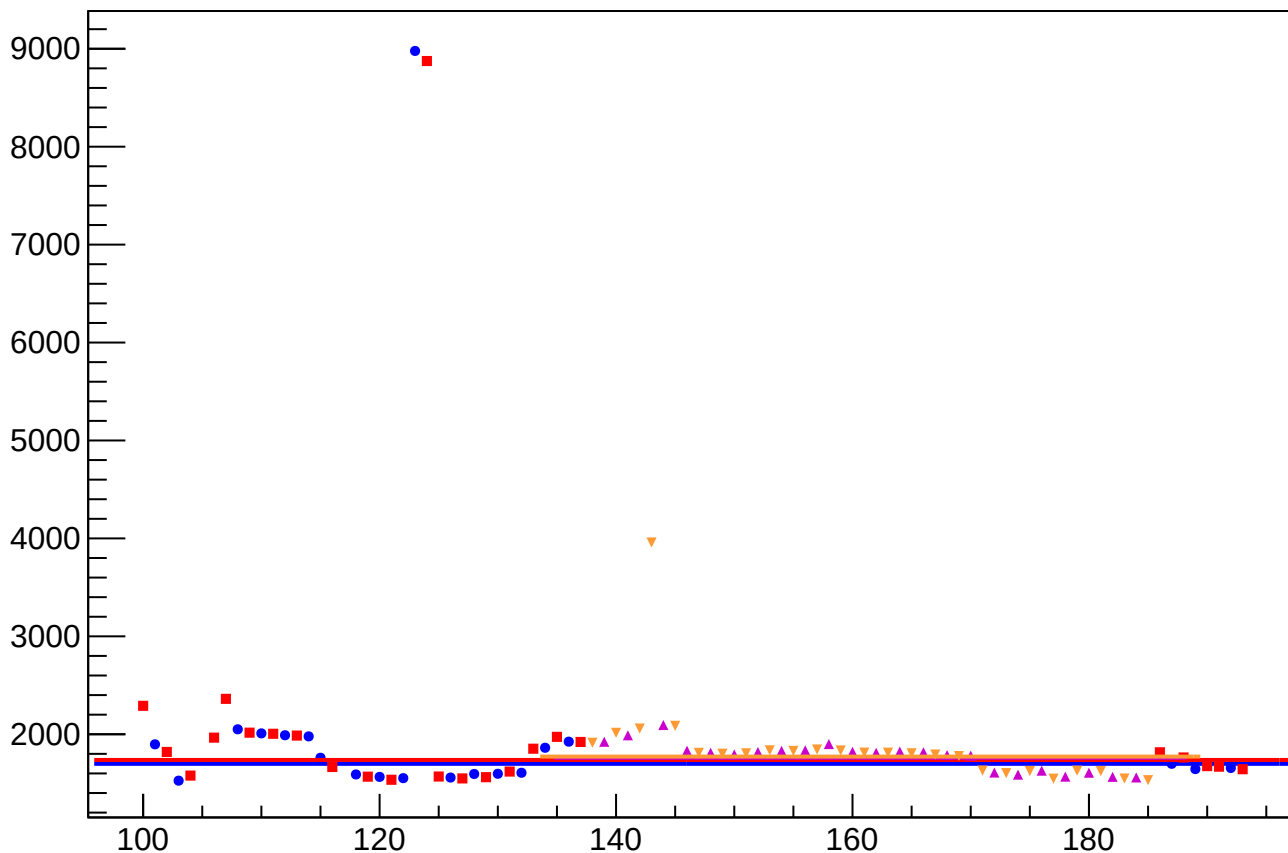
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 993.134 $\pm$ 343.089 χ^2 /NDF: 52.7/44

All: -519.150 $\pm$ 241.390 χ^2 /NDF: 149.9/91

- sign -2001.629 $\pm$ 339.691 χ^2 /NDF: 58.6/46

reg_asym_atl_avg_rms vs Slug



Right In: 1698.061 $\pm$ 0.426 χ^2 /NDF: 198327.1/19

Left Out: 1772.046 $\pm$ 0.295 χ^2 /NDF: 702472.4/24

Right Out: 1737.698 $\pm$ 0.401 χ^2 /NDF: 405221.1/23

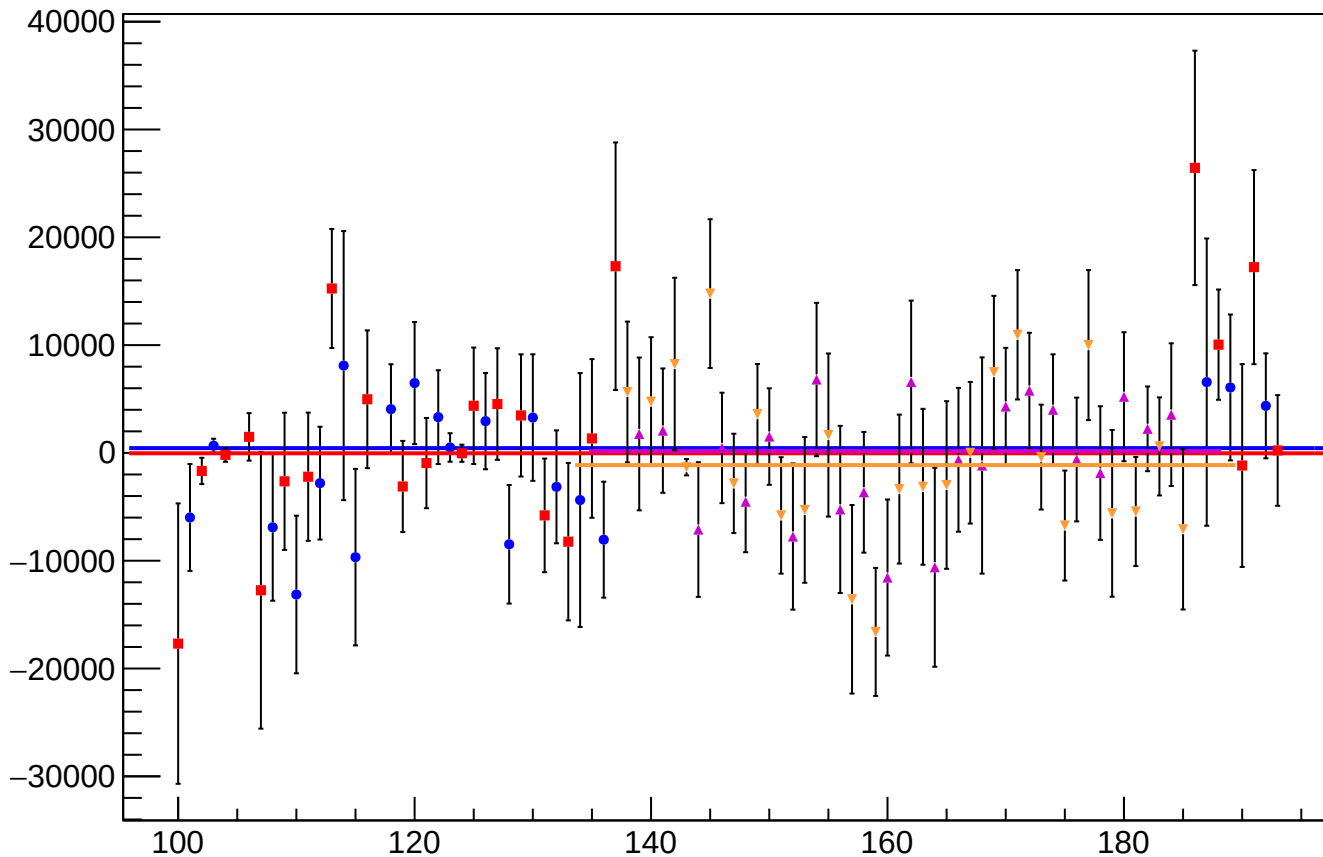
Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

+ sign 1748.053 $\pm$ 0.243 χ^2 /NDF: 921179.2/44

All: 1749.926 $\pm$ 0.171 χ^2 /NDF: 1543325.1/91

- sign 1751.758 $\pm$ 0.240 χ^2 /NDF: 622027.9/46

asym_atl_avg_correction_mean vs Slug



Right In: 444.978+/-535.243 χ^2/NDF : 18.9/19

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

Right Out: -34.087+/-429.323 χ^2/NDF : 34.4/23

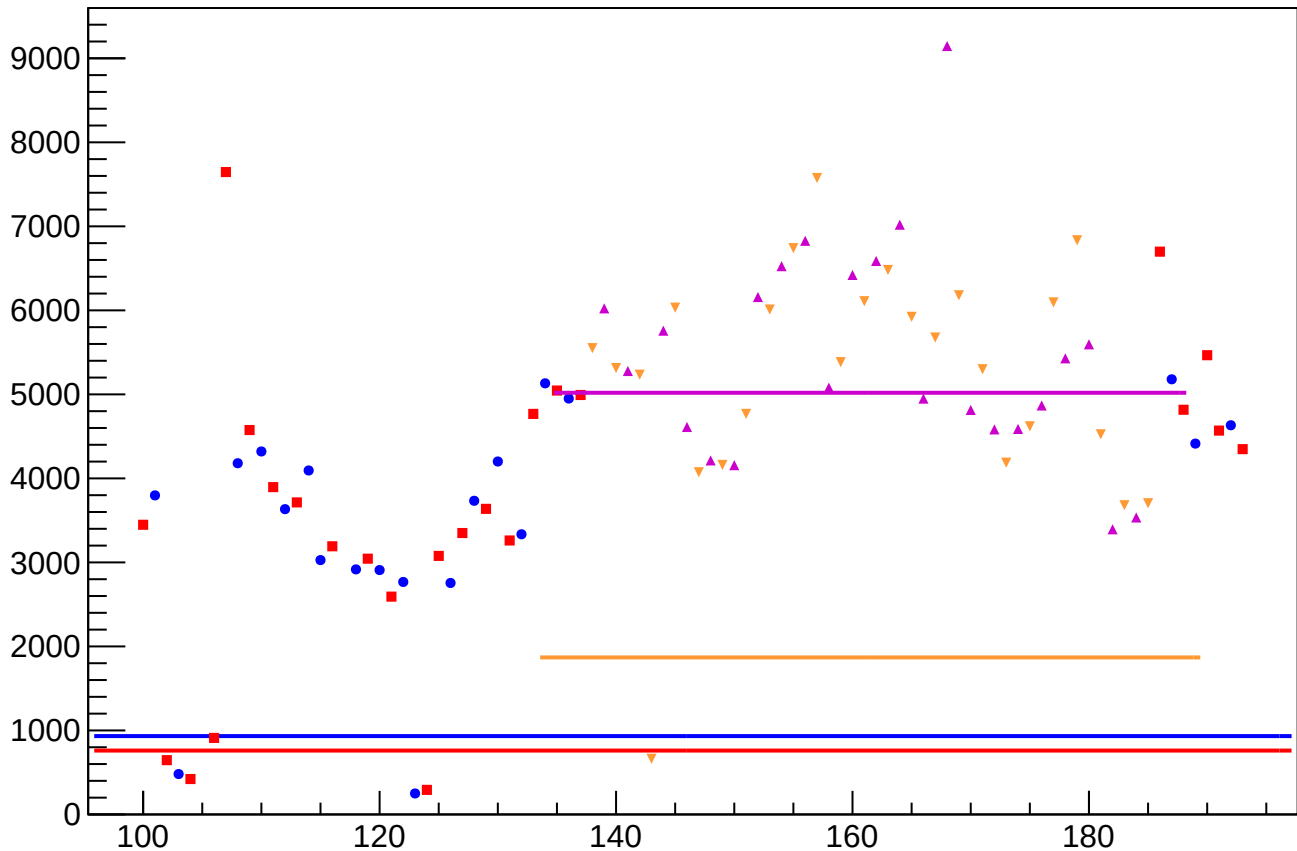
Left In: 168.182+/-1232.411 χ^2/NDF : 14.2/22

+ sign -194.165+/-412.568 χ^2/NDF : 53.9/44

All: -101.593+/-289.172 χ^2/NDF : 102.6/91

- sign -12.197+/-405.427 χ^2/NDF : 48.6/46

asym_atl_avg_correction_rms vs Slug



Right In: 932.628+/-0.378 χ^2/NDF : 10052085.3/19

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

Right Out: 760.439+/-0.304 χ^2/NDF : 12121408.4/23

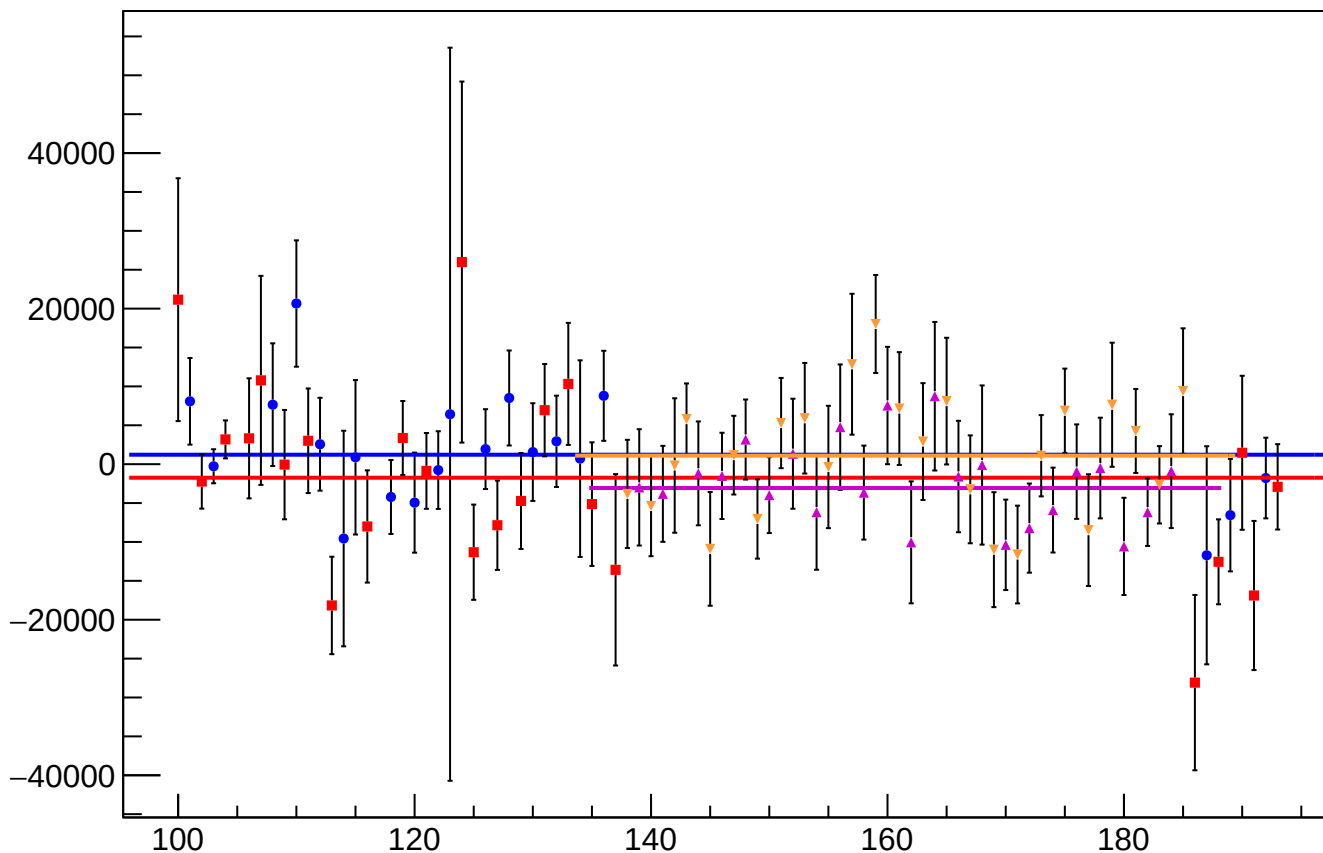
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1312.658+/-0.292 χ^2/NDF : 32388701.0/44

All: 1266.191+/-0.204 χ^2/NDF : 67426311.5/50

- sign 1221.320+/-0.287 χ^2/NDF : 34987741.9/46

asym_atl_avg_mean vs Slug



Right In: 1216.364+/-1248.825 χ^2/NDF : 17.0/19

Left Out: 1094.317+/-1273.113 χ^2/NDF : 32.0/24

Right Out: -1742.498+/-1196.878 χ^2/NDF : 39.8/23

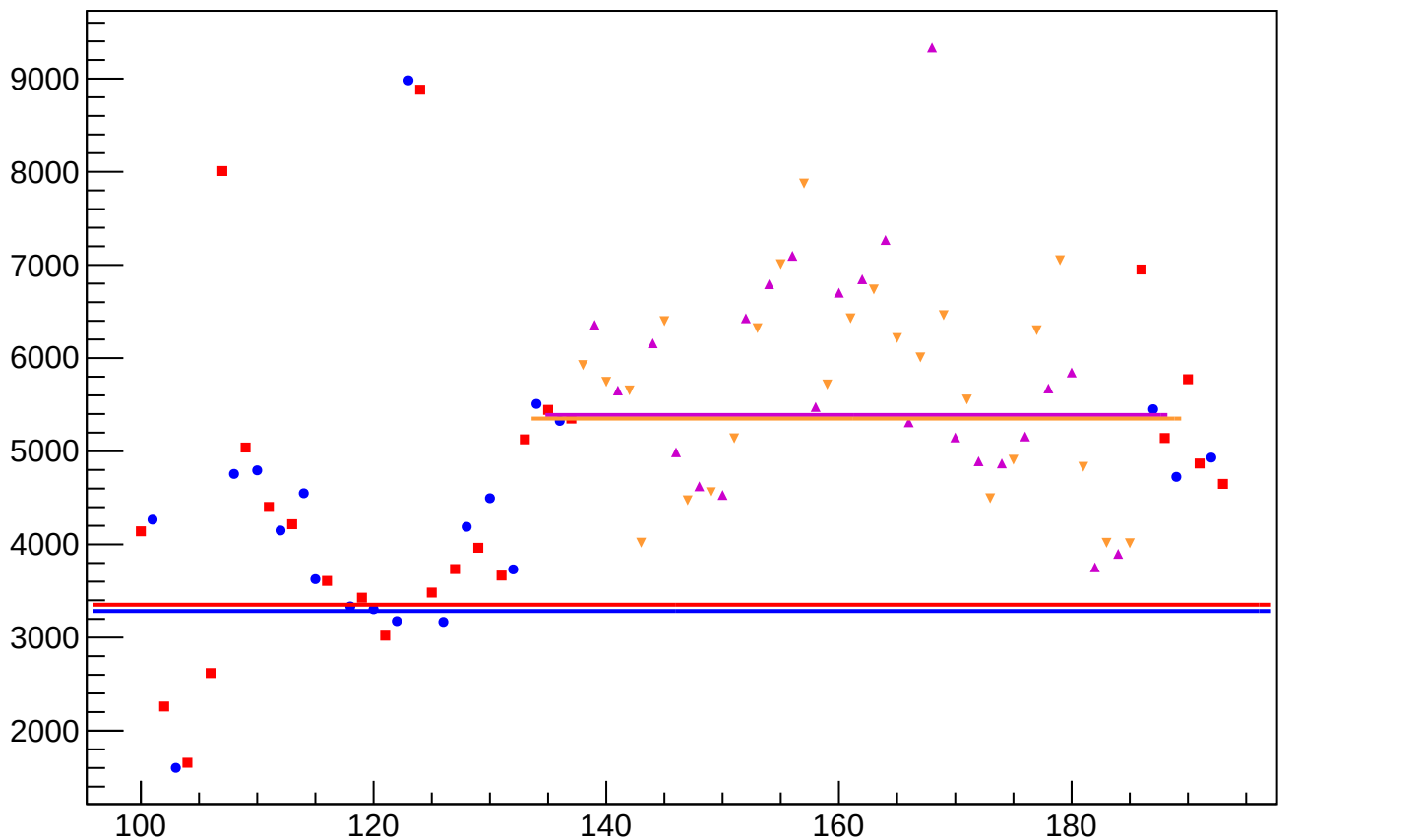
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1156.516+/-891.516 χ^2/NDF : 49.0/44

All: -602.388+/-628.476 χ^2/NDF : 109.6/91

- sign -2340.014+/-886.107 χ^2/NDF : 52.9/46

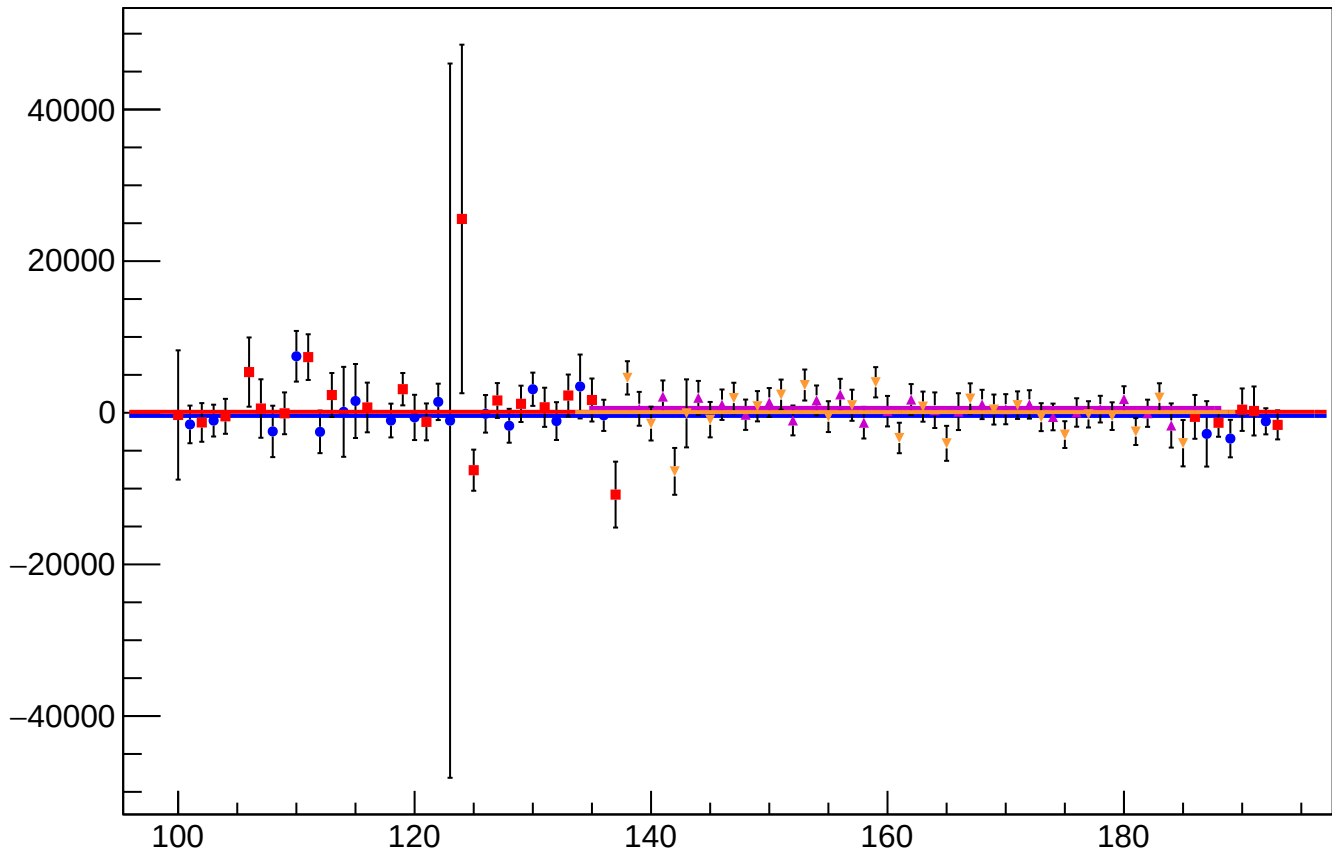
asym_atl_avg_rms vs Slug



Right In: 3284.750 ± 0.883 χ^2/NDF : 2245907.3/19
 Left Out: 5350.804 ± 0.900 χ^2/NDF : 1241497.9/24
 Right Out: 3352.568 ± 0.836 χ^2/NDF : 2802991.2/23
 Left In: 5389.724 ± 0.932 χ^2/NDF : 1309863.0/22

+ sign 4297.877 ± 0.630 χ^2/NDF : 6171737.9/44
 All: 4278.881 ± 0.443 χ^2/NDF : 12934502.9/50
 - sign 4260.375 ± 0.622 χ^2/NDF : 6760972.4/46

reg_asym_atl_dd_mean vs Slug



Right In: -413.978 ± 594.398 χ^2/NDF : 13.4/19

Left Out: 86.214 ± 411.530 χ^2/NDF : 36.0/24

Right Out: 124.472 ± 560.699 χ^2/NDF : 29.0/23

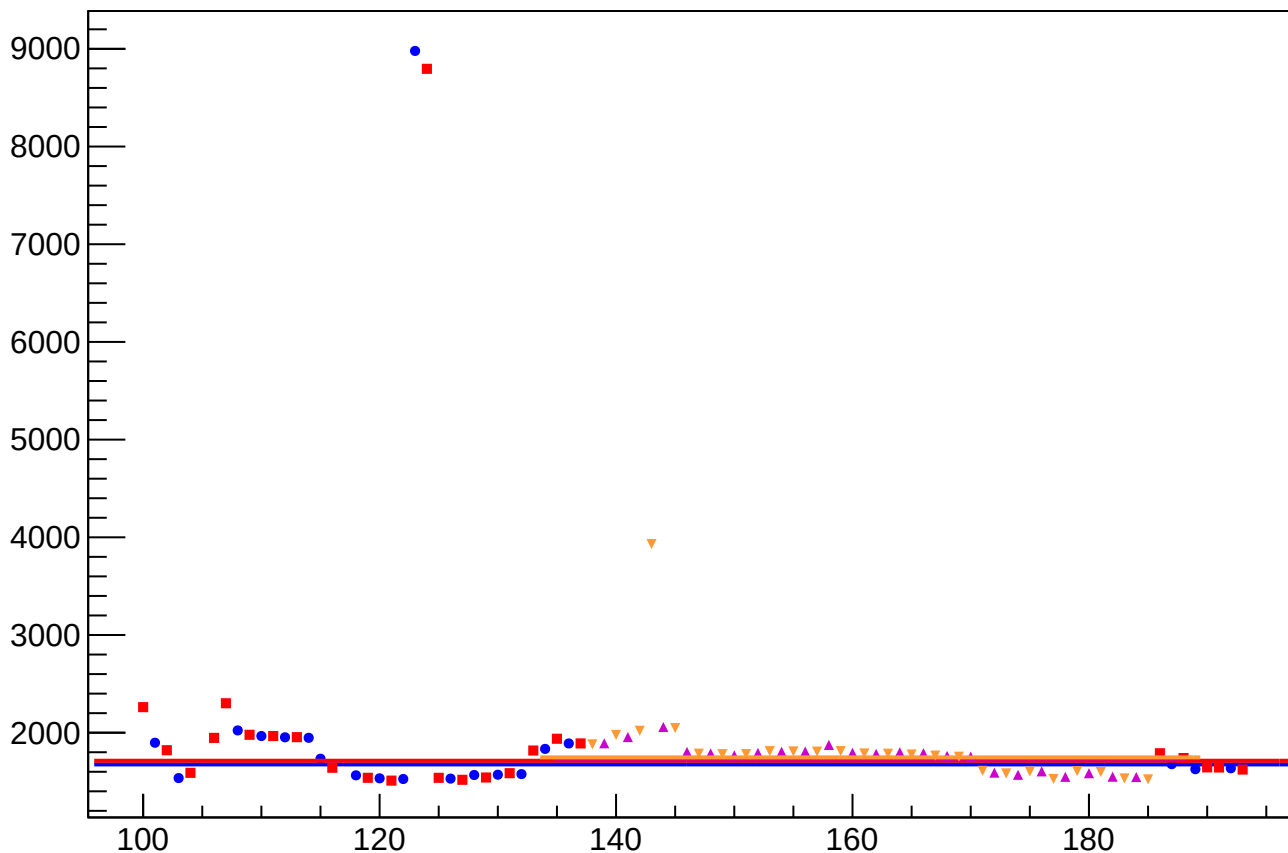
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -75.861 ± 338.351 χ^2/NDF : 49.9/44

All: 192.860 ± 238.035 χ^2/NDF : 86.8/91

- sign 456.190 ± 334.940 χ^2/NDF : 35.7/46

reg_asym_atl_dd_rms vs Slug



Right In: 1675.381+/-0.420 χ^2/NDF : 196242.9/19

Left Out: 1747.320+/-0.291 χ^2/NDF : 698192.3/24

Right Out: 1713.067+/-0.395 χ^2/NDF : 401387.7/23

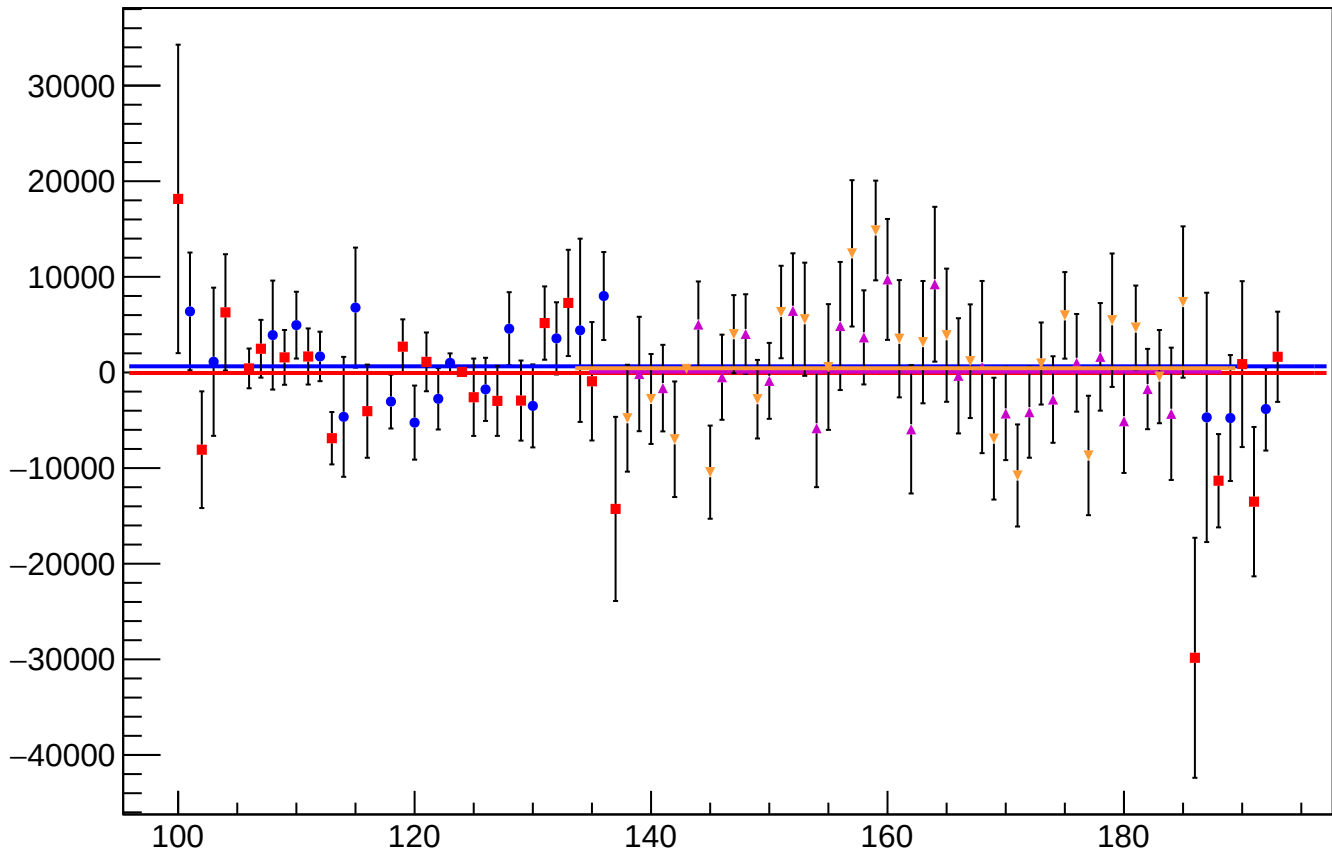
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1724.010+/-0.239 χ^2/NDF : 914238.7/44

All: 1725.769+/-0.168 χ^2/NDF : 1524574.7/91

- sign 1727.489+/-0.237 χ^2/NDF : 610229.1/46

asym_atl_dd_correction_mean vs Slug



Right In: 642.132 $\pm$ 692.802 χ^2 /NDF: 17.5/19

Left Out: 442.187 $\pm$ 440.335 χ^2 /NDF: 33.9/24

Right Out: -53.918 $\pm$ 354.535 χ^2 /NDF: 34.9/23

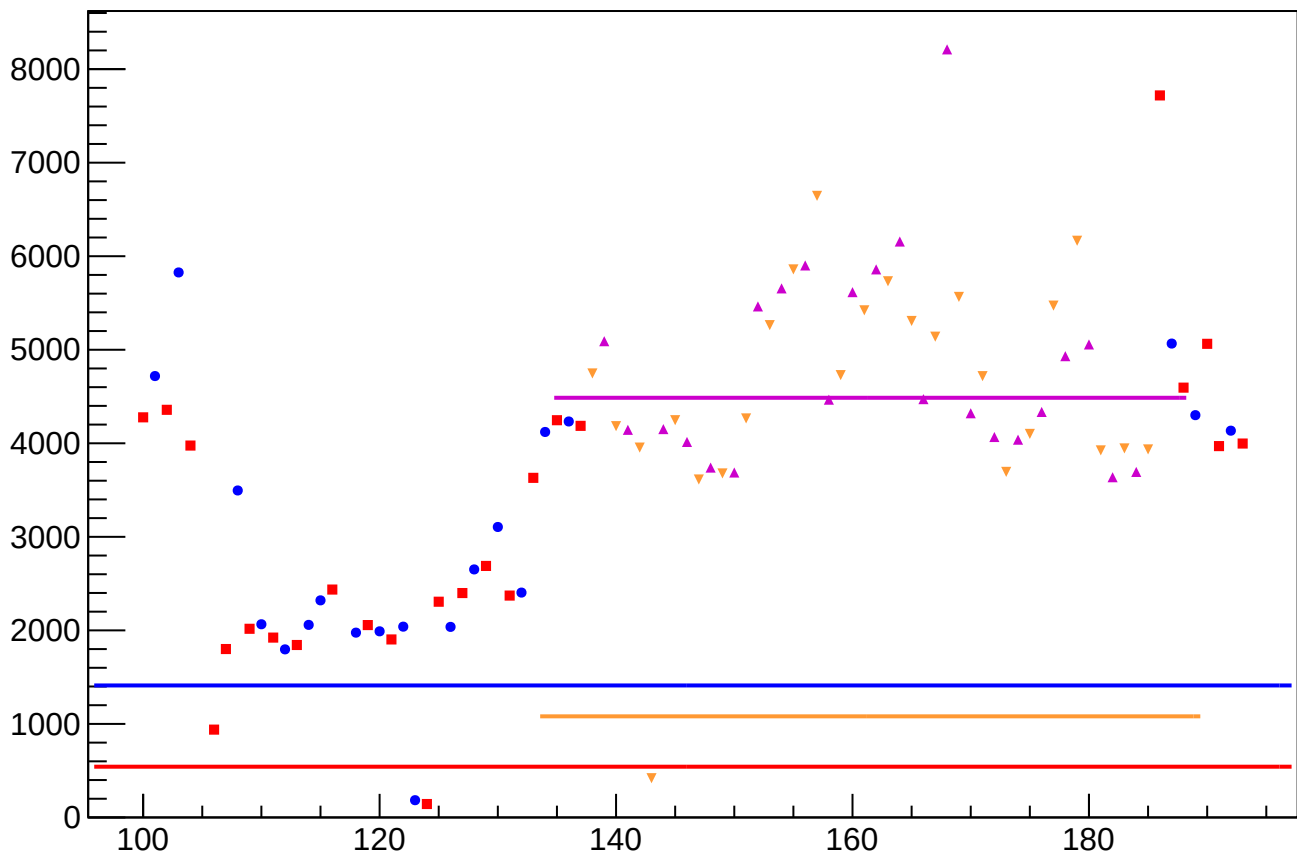
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 499.718 $\pm$ 371.624 χ^2 /NDF: 51.5/44

All: 203.562 $\pm$ 249.759 χ^2 /NDF: 101.0/91

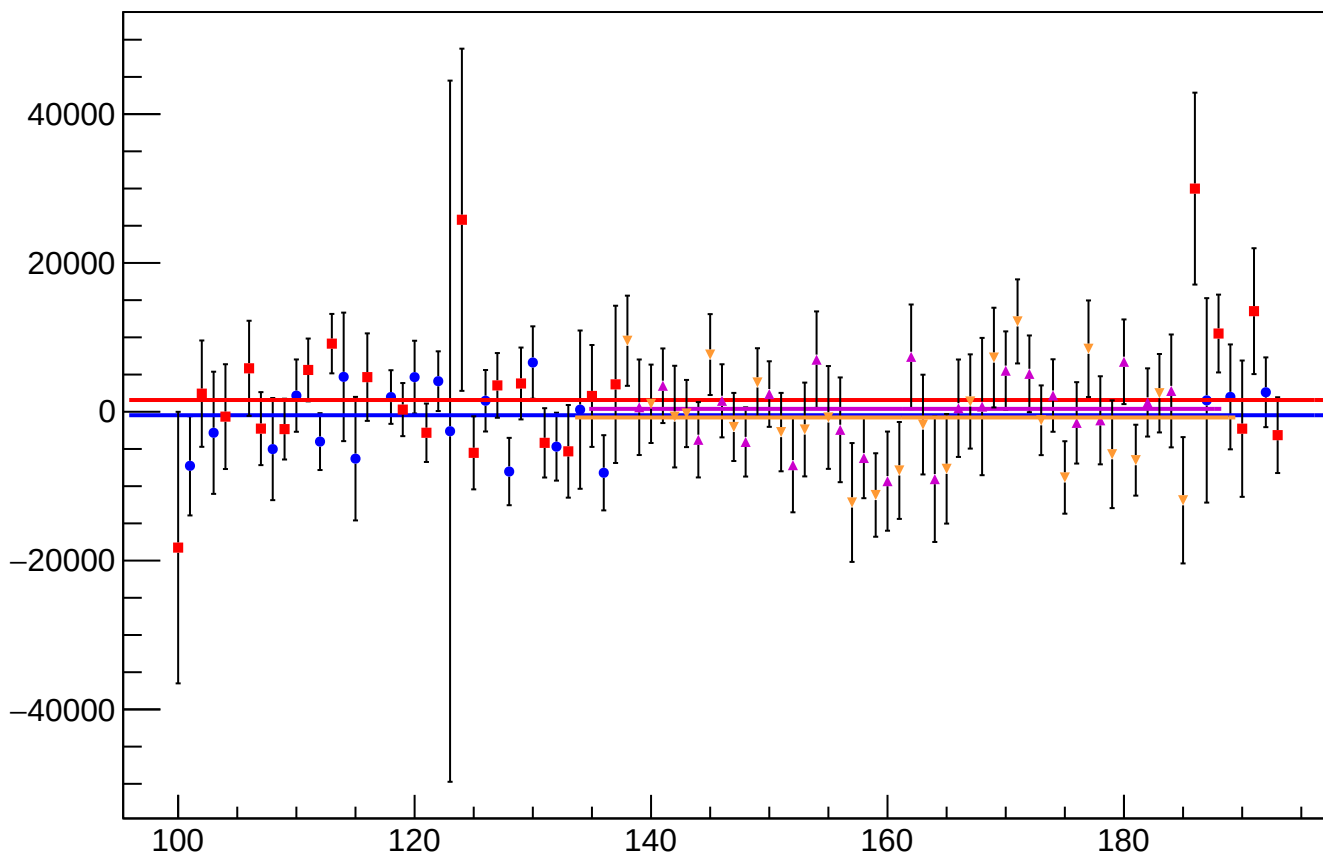
- sign -40.400 $\pm$ 337.291 χ^2 /NDF: 48.4/46

asym_atl_dd_correction_rms vs Slug



Right In: 1411.184 $\pm$ 0.490	χ^2 /NDF: 7891662.9/19	+ sign 1176.008 $\pm$ 0.263	χ^2 /NDF: 32671468.9/44
Left Out: 1081.004 $\pm$ 0.311	χ^2 /NDF: 24456244.2/24	All: 1033.955 $\pm$ 0.177	χ^2 /NDF: 72088228.8/5
Right Out: 542.618 $\pm$ 0.251	χ^2 /NDF: 14212078.7/23	- sign 916.937 $\pm$ 0.239	χ^2 /NDF: 38883805.0/46
Left In: 4486.570 $\pm$ 0.774	χ^2 /NDF: 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -465.377 $\pm$ 1199.241 χ^2 /NDF: 15.3/19

Left Out: -766.008 $\pm$ 1147.372 χ^2 /NDF:29.9/24

Right Out: 1579.918 $\pm$ 1112.299 χ^2 /NDF: 26.7/23

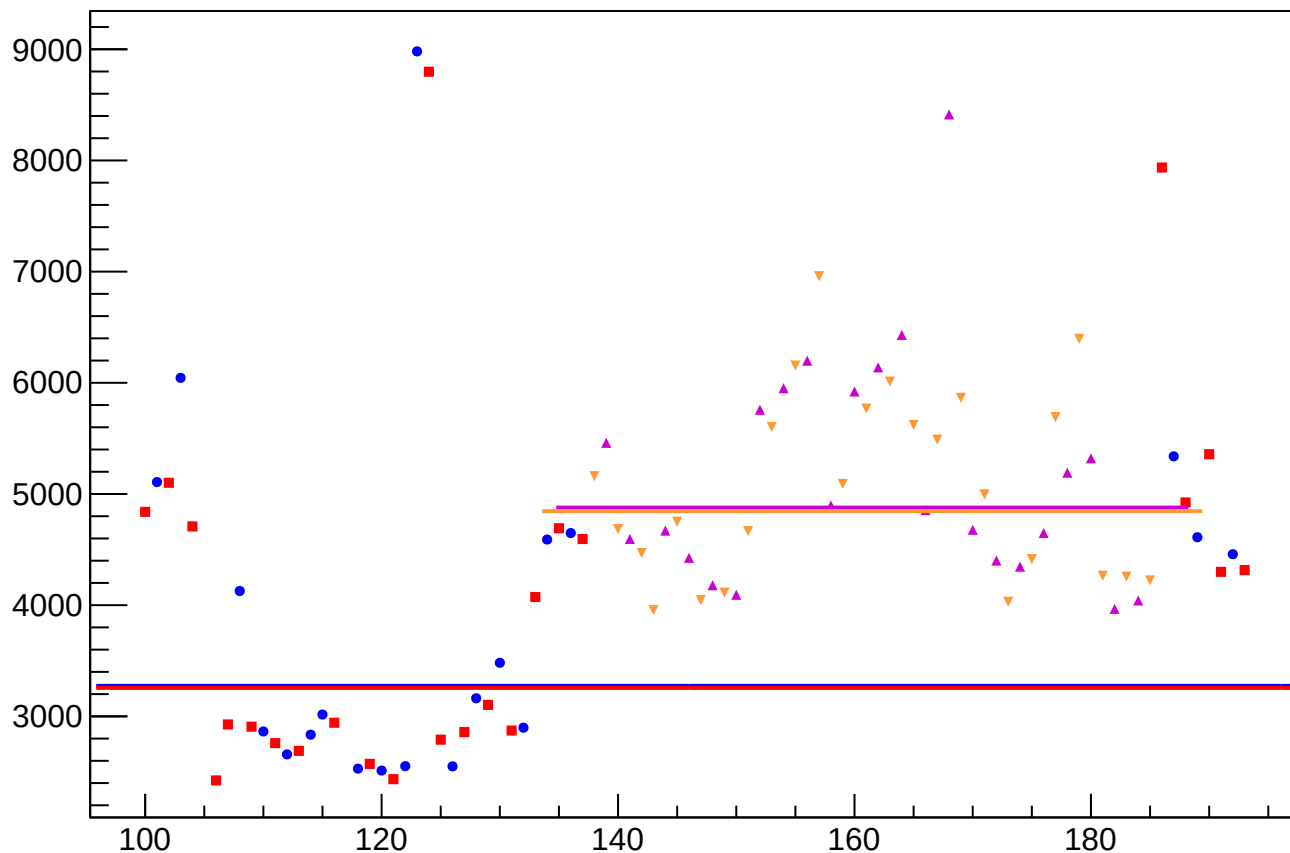
Left In: 388.944 $\pm$ 1186.300 χ^2 /NDF:14.2/22

+ sign -622.334 $\pm$ 829.045 χ^2 /NDF: 45.3/44

All: 217.878 $\pm$ 579.890 χ^2 /NDF: 88.7/91

- sign 1022.734 $\pm$ 811.415 χ^2 /NDF: 41.4/46

asym_atl_dd_rms vs Slug



Right In: 3274.054+/-0.848 χ^2/NDF : 1214556.6/19

Left Out: 4845.779+/-0.811 χ^2/NDF : 909173.9/24

Right Out: 3256.201+/-0.778 χ^2/NDF : 1560487.3/23

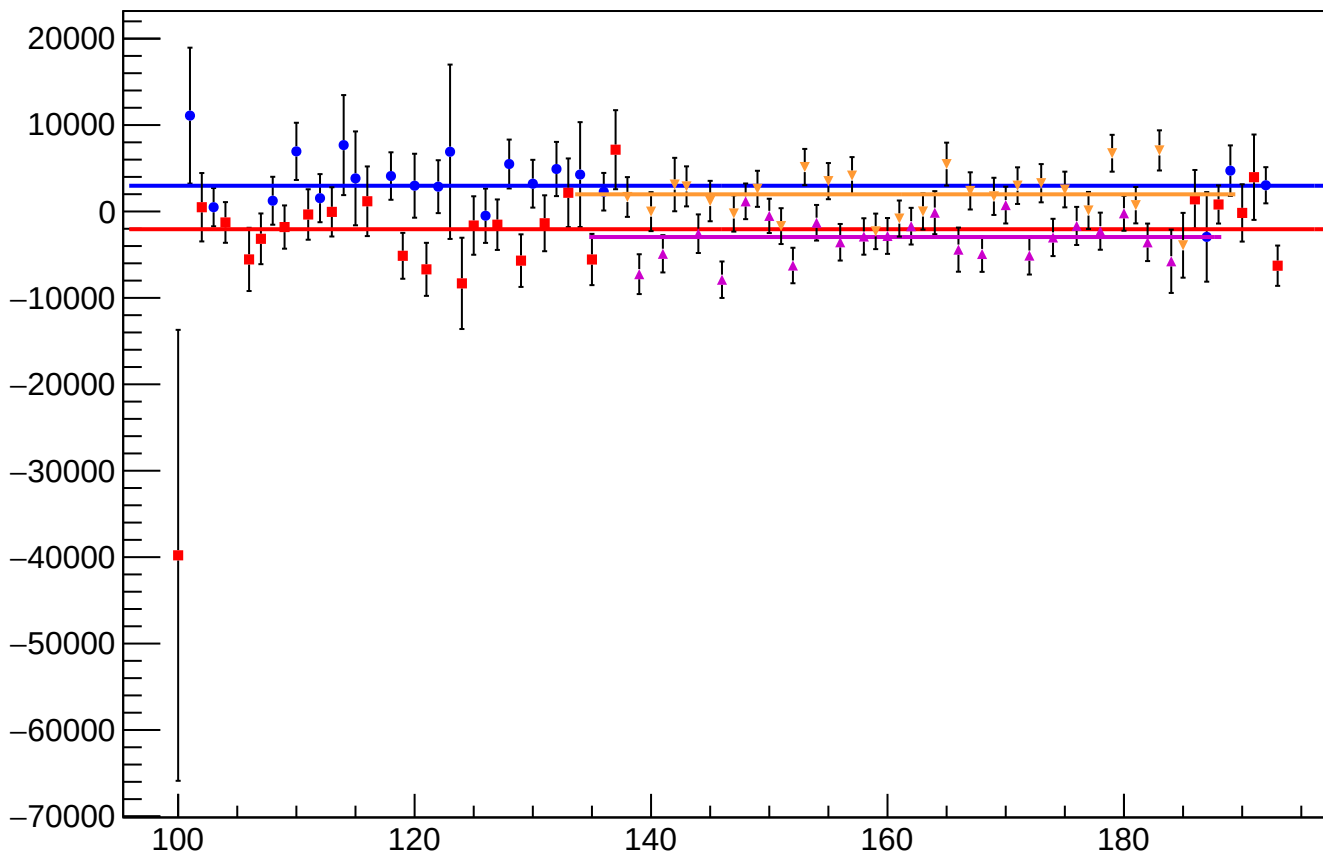
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4094.637+/-0.586 χ^2/NDF : 3917307.0/44

All: 4049.034+/-0.409 χ^2/NDF : 8456406.0/91

- sign 4005.858+/-0.570 χ^2/NDF : 4527317.8/46

reg_asym_atr_avg_mean vs Slug



Right In: 2976.416 $\pm$ 700.783 χ^2 /NDF: 9.6/19

Left Out: 1985.469 $\pm$ 443.190 χ^2 /NDF:32.4/24

Right Out: -2052.805 $\pm$ 642.385 χ^2 /NDF: 26.1/23

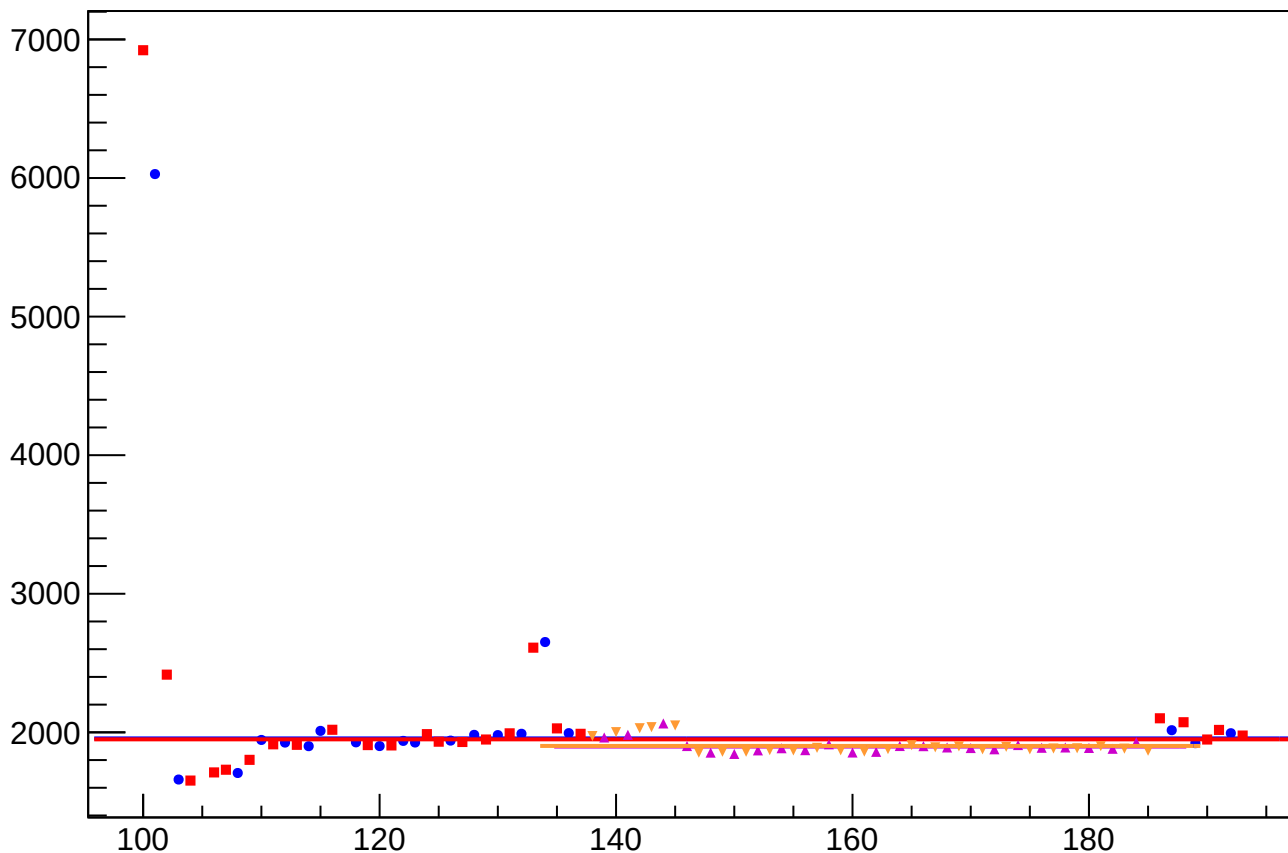
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF:28.4/22

+ sign 2268.574 $\pm$ 374.570 χ^2 /NDF: 43.5/44

All: -216.226 $\pm$ 263.609 χ^2 /NDF: 186.5/91

- sign -2654.590 $\pm$ 371.053 χ^2 /NDF: 55.8/46

reg_asym_atr_avg_rms vs Slug



Right In: 1956.188 $\pm$ 0.496 χ^2 /NDF: 618621.5/19

Left Out: 1901.884 $\pm$ 0.313 χ^2 /NDF:30446.9/24

Right Out: 1949.402 $\pm$ 0.453 χ^2 /NDF: 230790.0/23

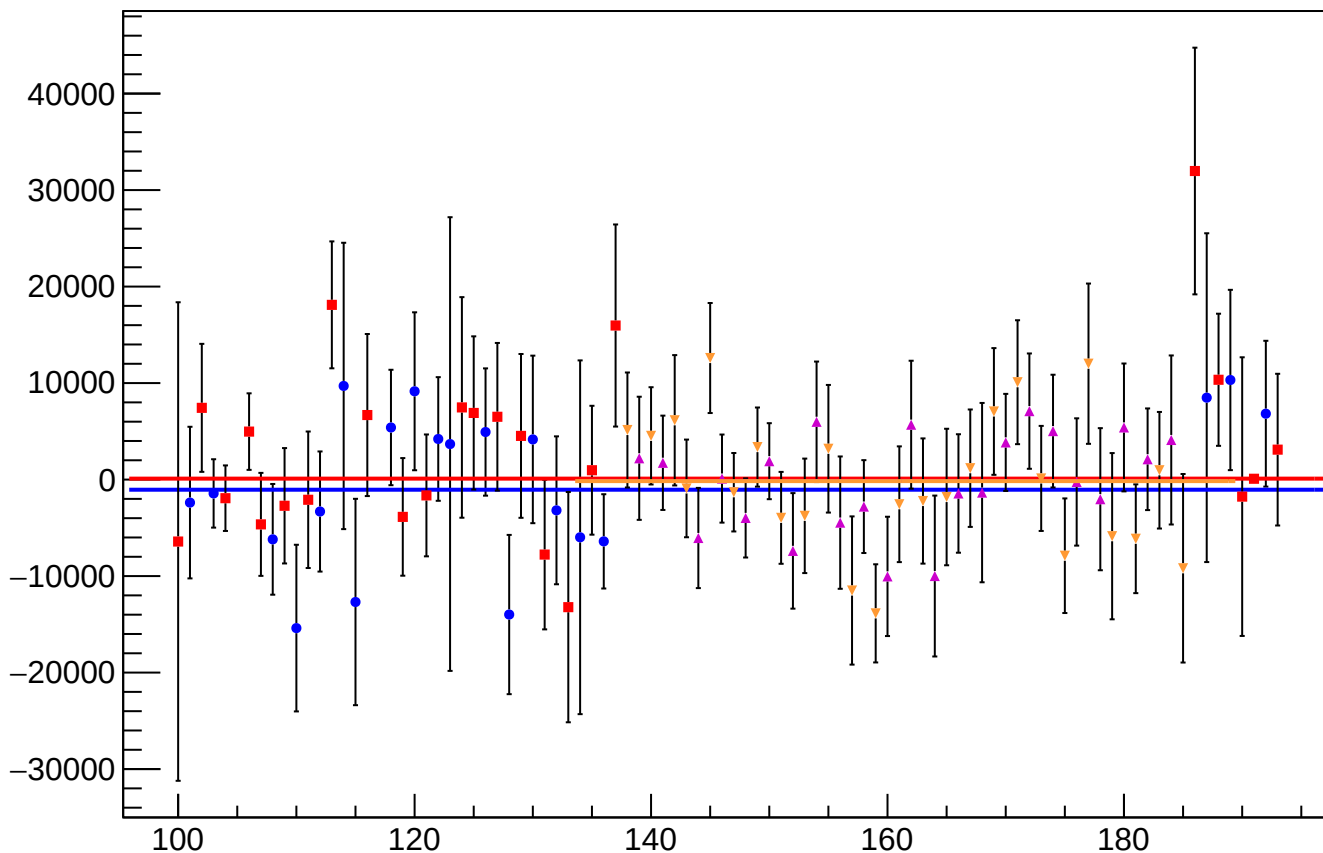
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF:21180.1/22

+ sign 1917.398 $\pm$ 0.265 χ^2 /NDF: 657646.9/44

All: 1916.100 $\pm$ 0.186 χ^2 /NDF: 918399.6/91

- sign 1914.828 $\pm$ 0.262 χ^2 /NDF: 260705.2/46

asym_atr_avg_correction_mean vs Slug



Right In: -1050.617 ± 1594.875 χ^2/NDF : 16.7/19

Left Out: -157.539 ± 1165.844 χ^2/NDF : 29.5/24

Right Out: 98.606 ± 109.614 χ^2/NDF : 28.2/23

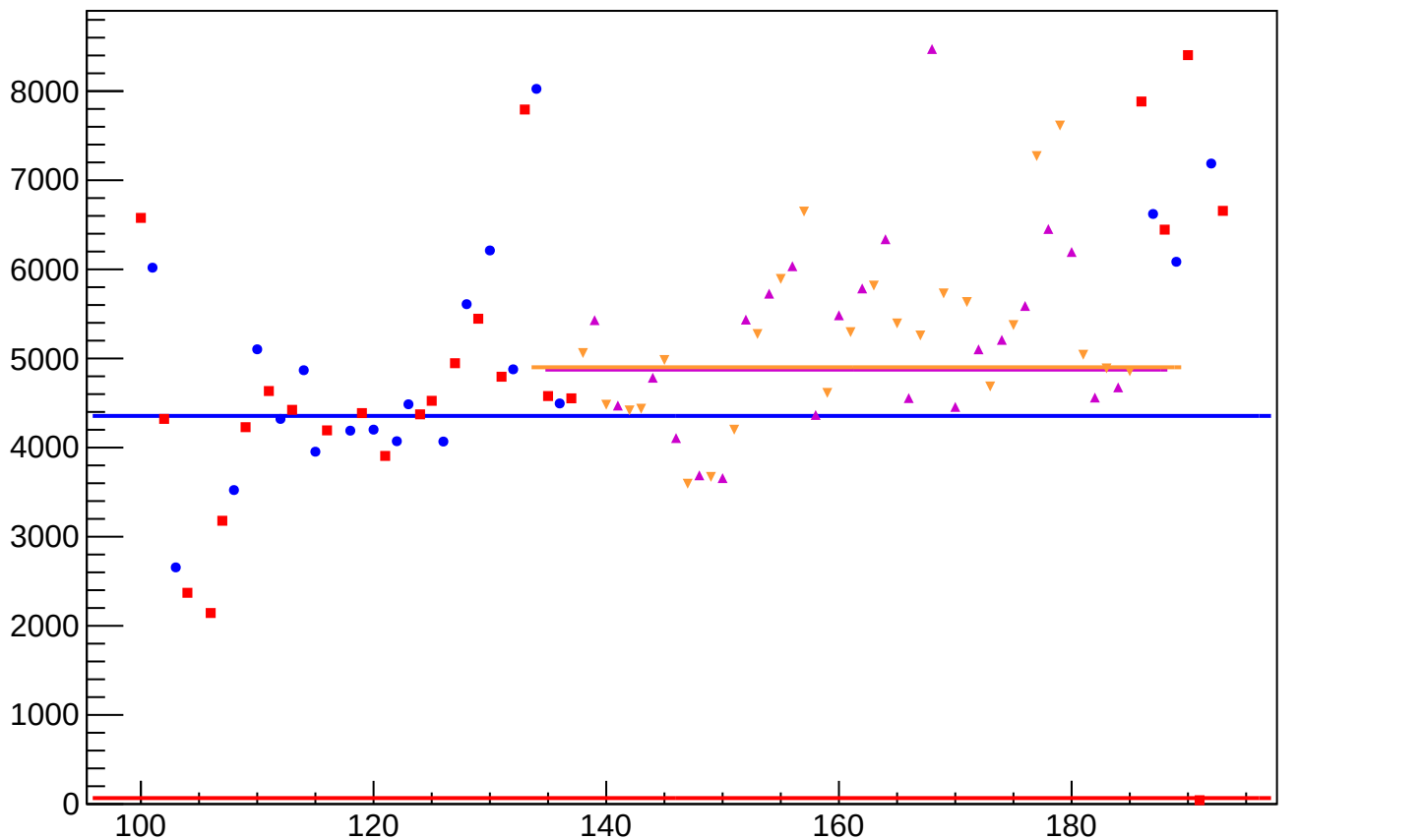
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -468.562 ± 941.191 χ^2/NDF : 46.4/44

All: 89.109 ± 108.426 χ^2/NDF : 89.8/91

- sign 96.610 ± 109.153 χ^2/NDF : 43.0/46

asym_atr_avg_correction_rms vs Slug



Right In: 4355.405+/-1.128 χ^2/NDF : 1236211.1/19

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 66.985+/-0.078 χ^2/NDF : 18066427.7/23

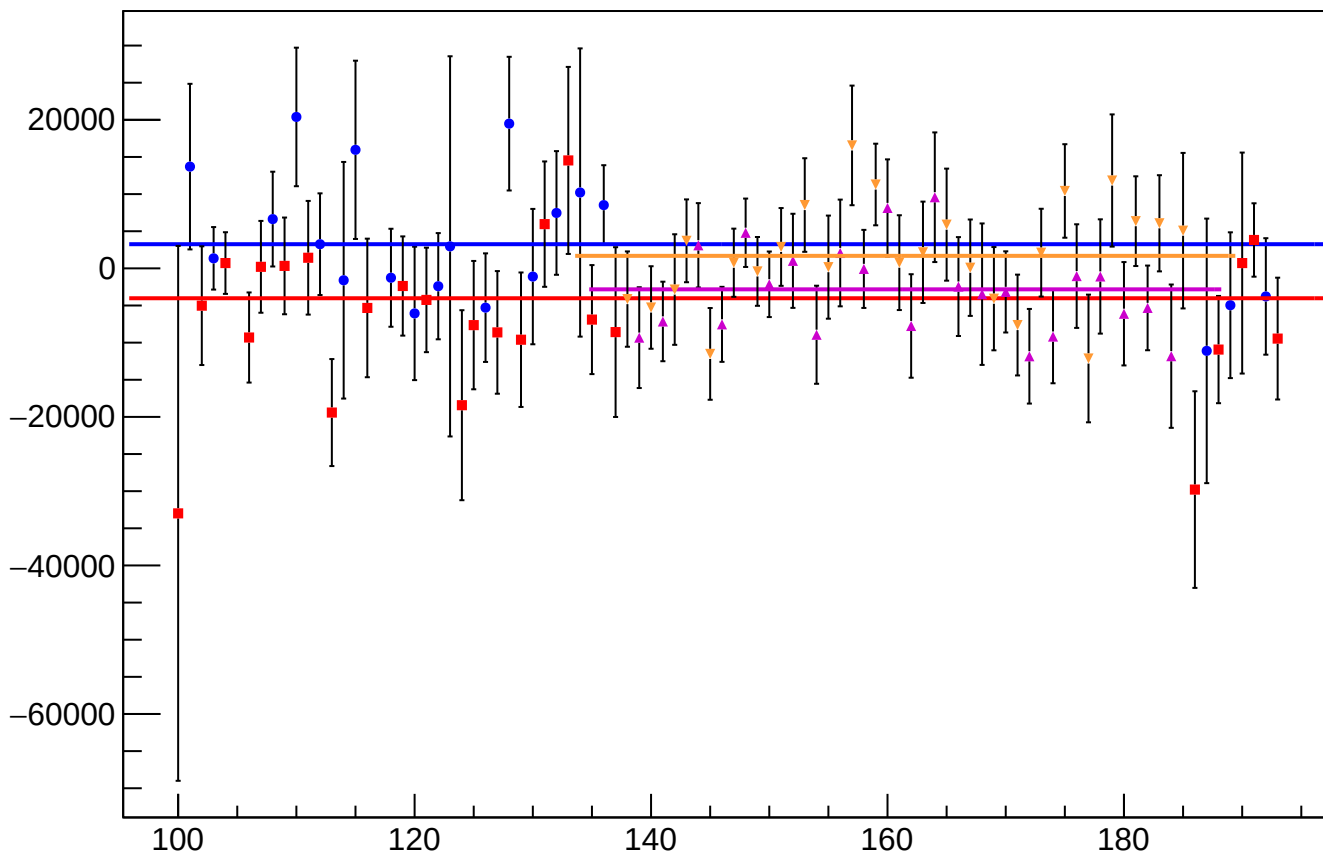
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4711.224+/-0.666 χ^2/NDF : 2525869.6/44

All: 168.476+/-0.077 χ^2/NDF : 101367872.4/9

- sign 107.377+/-0.077 χ^2/NDF : 51623355.1/46

asym_atr_avg_mean vs Slug



Right In: 3254.139+/-1784.966 χ^2/NDF : 16.5/19

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4023.425+/-1543.077 χ^2/NDF : 22.6/23

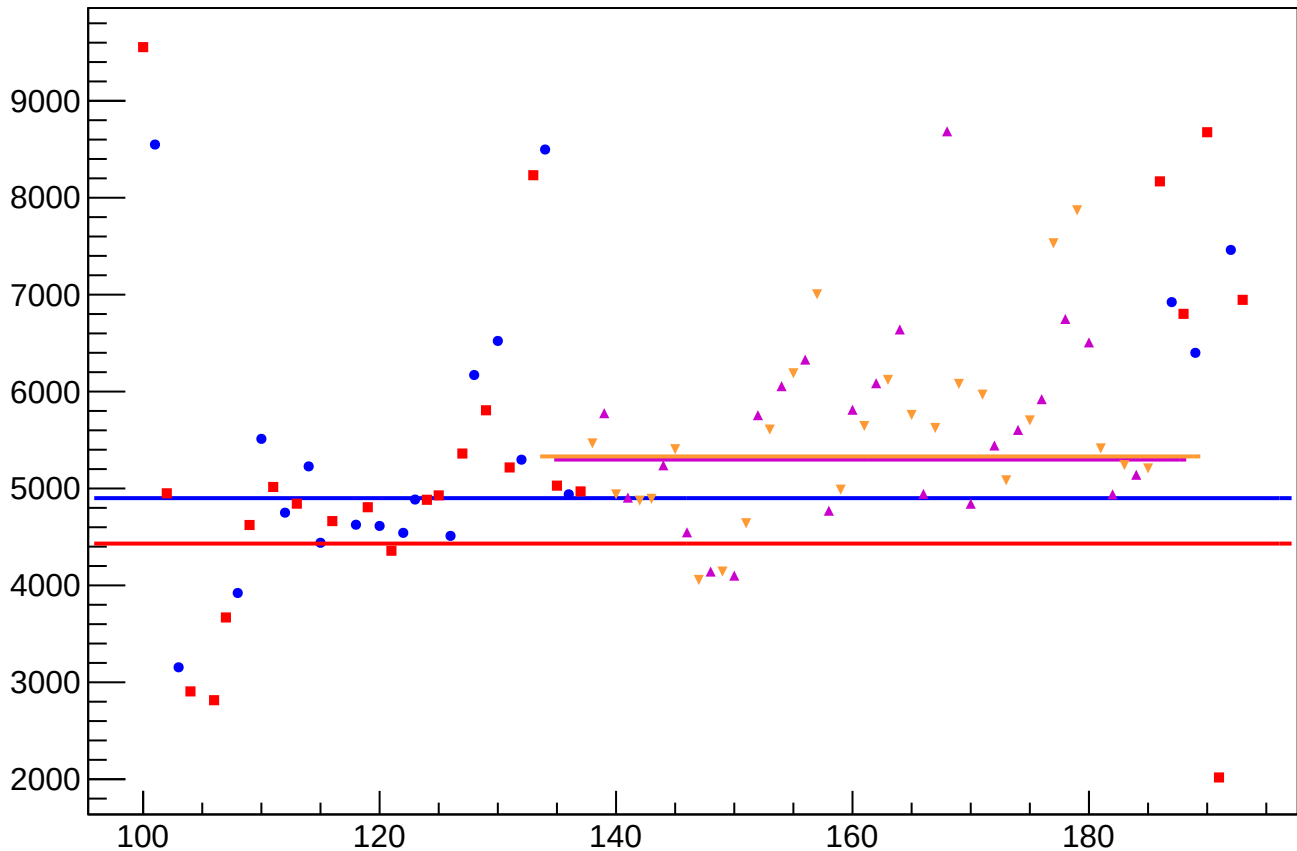
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2208.785+/-1030.272 χ^2/NDF : 42.4/44

All: -666.890+/-713.471 χ^2/NDF : 98.3/91

- sign -3316.749+/-988.994 χ^2/NDF : 40.9/46

asym_atr_avg_rms vs Slug



Right In: 4900.275+/-1.262 χ^2 /NDF: 1097338.5/19

Left Out: 5330.725+/-0.892 χ^2 /NDF:868061.7/24

Right Out: 4431.429+/-1.086 χ^2 /NDF: 2039988.6/23

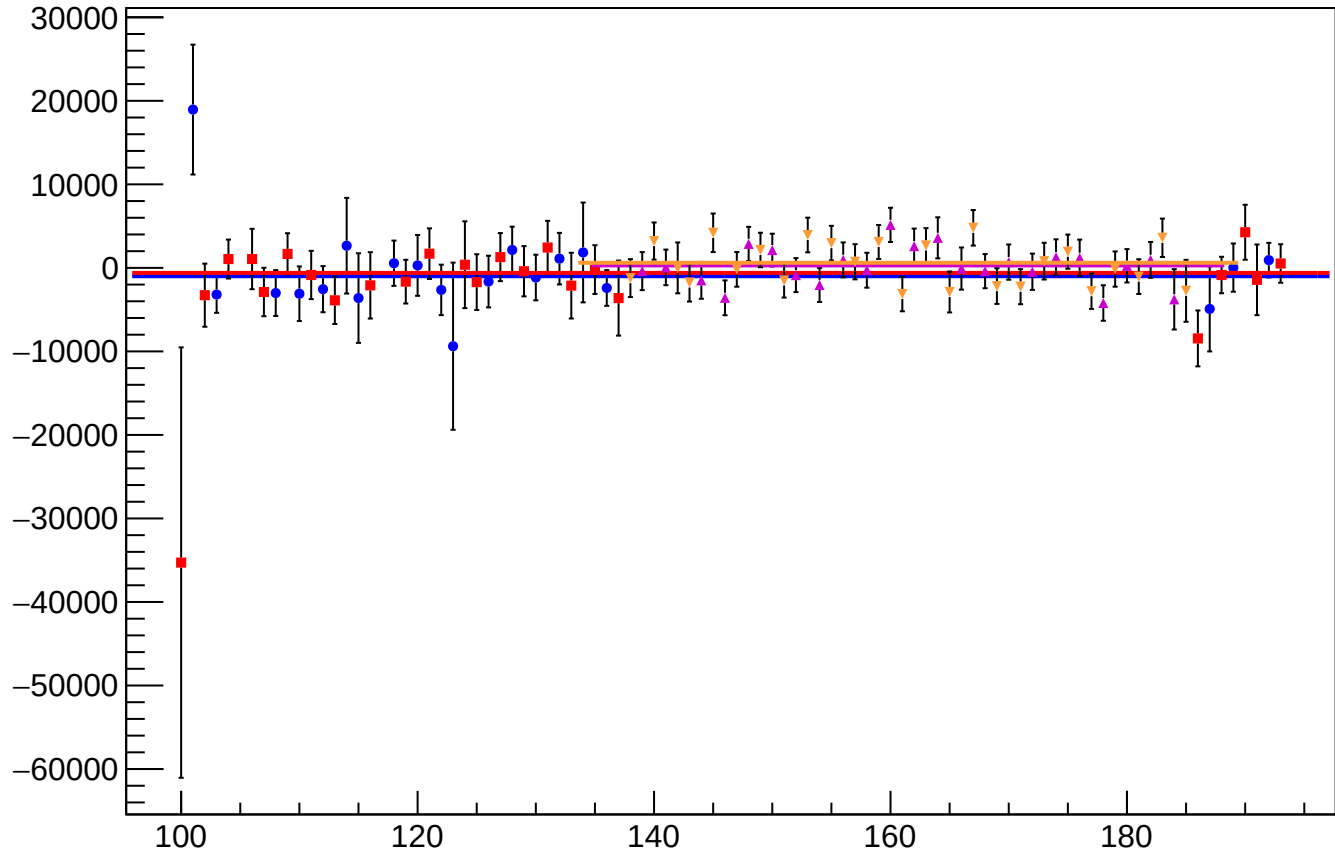
Left In: 5298.329+/-0.911 χ^2 /NDF:956021.6/22

+ sign 5187.319+/-0.729 χ^2 /NDF: 2042960.9/44

All: 5058.513+/-0.504 χ^2 /NDF: 5472899.2/91

- sign 4940.274+/-0.698 χ^2 /NDF: 3369981.5/46

reg_asym_atr_dd_mean vs Slug



Right In: -998.340 ± 691.844 χ^2/NDF : 15.0/19

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -602.867 ± 632.495 χ^2/NDF : 16.8/23

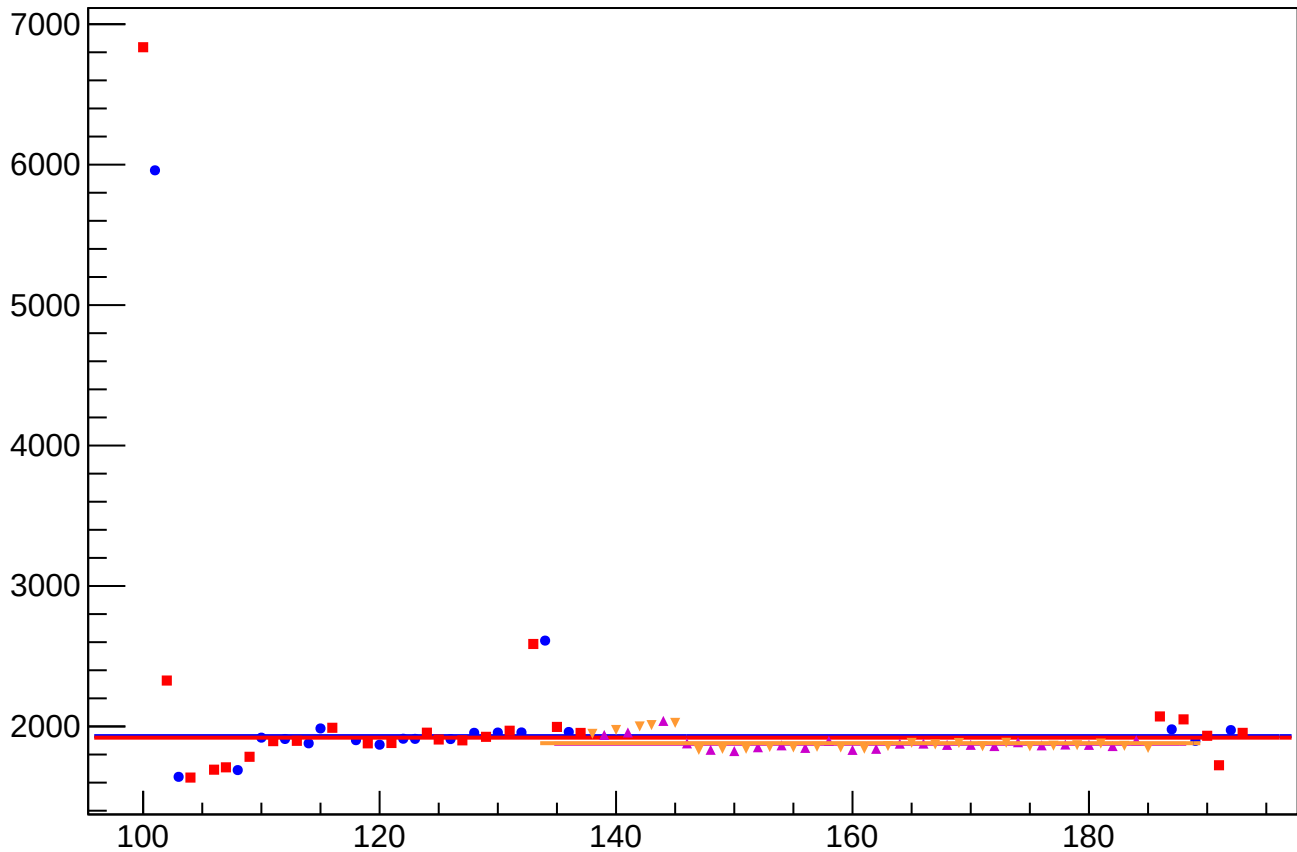
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 151.070 ± 370.230 χ^2/NDF : 51.5/44

All: 70.872 ± 260.441 χ^2/NDF : 93.4/91

- sign -7.692 ± 366.438 χ^2/NDF : 41.8/46

reg_asym_atr_dd_rms vs Slug



Right In: 1931.251 $\pm$ 0.489 χ^2 /NDF: 617282.7/19

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

+ sign 1895.254 $\pm$ 0.262 χ^2 /NDF: 653525.5/44

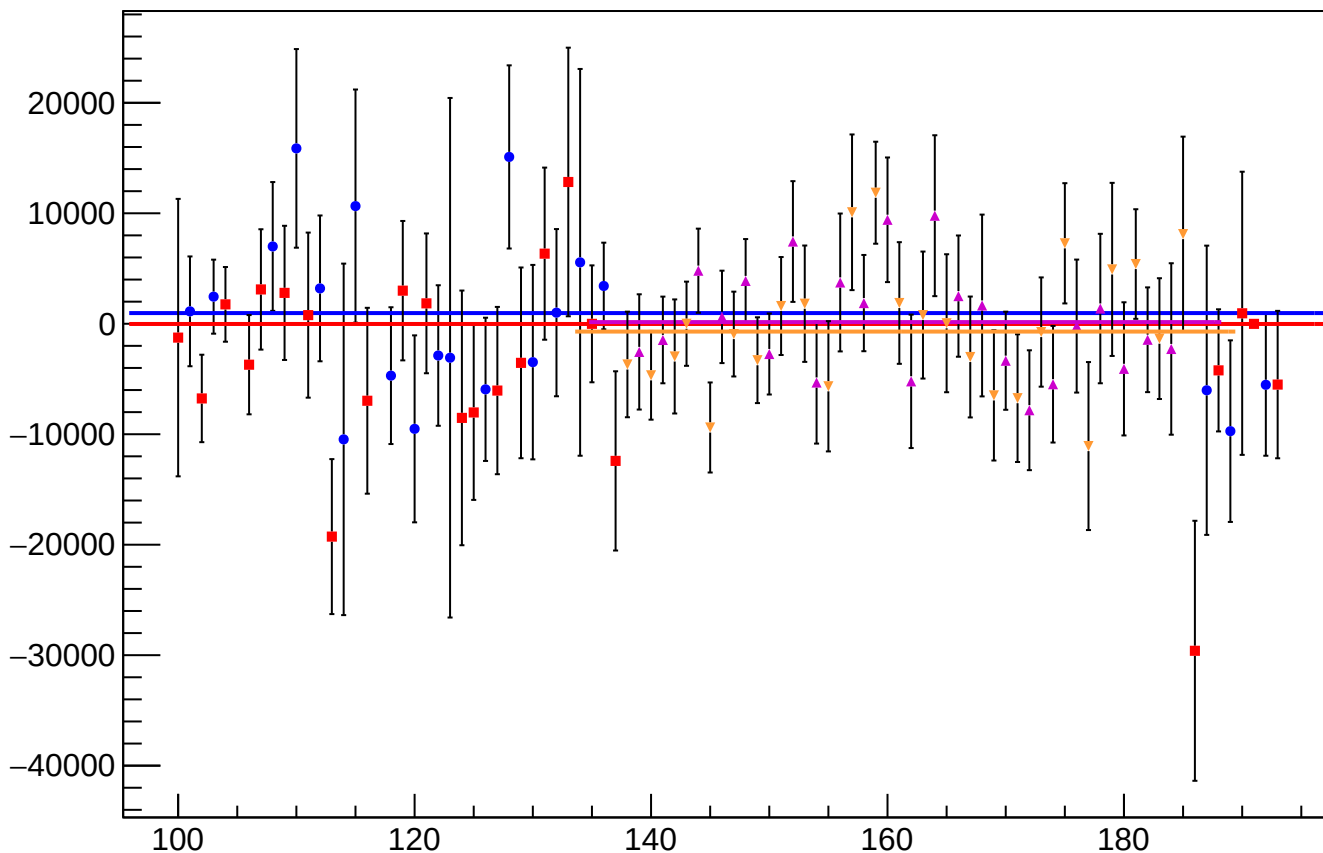
Right Out: 1920.174 $\pm$ 0.446 χ^2 /NDF: 228466.7/23

All: 1893.263 $\pm$ 0.184 χ^2 /NDF: 908902.1/91

Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

- sign 1891.315 $\pm$ 0.259 χ^2 /NDF: 255262.2/46

asym_atr_dd_correction_mean vs Slug



Right In: 967.077 $\pm$ 1481.143 χ^2 /NDF: 16.0/19

Left Out: -707.785 $\pm$ 1017.719 χ^2 /NDF: 27.1/24

Right Out: -19.785 $\pm$ 85.834 χ^2 /NDF: 27.0/23

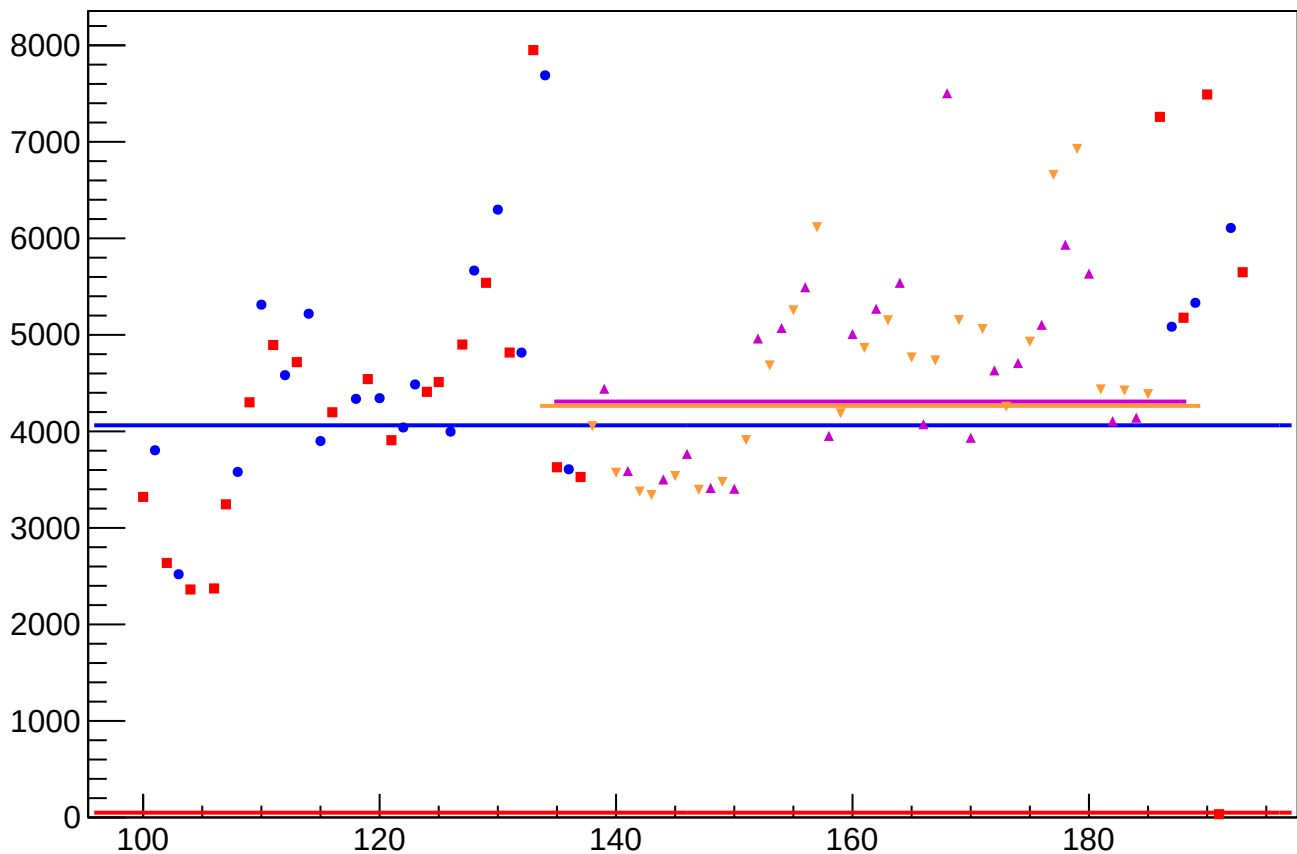
Left In: 150.495 $\pm$ 1053.655 χ^2 /NDF: 16.9/22

+ sign -170.636 $\pm$ 838.793 χ^2 /NDF: 44.0/44

All: -20.227 $\pm$ 85.109 χ^2 /NDF: 88.0/91

- sign -18.662 $\pm$ 85.551 χ^2 /NDF: 43.9/46

asym_atr_dd_correction_rms vs Slug



Right In: 4062.879+/-1.047 χ^2/NDF : 1111685.7/19

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 49.566+/-0.061 χ^2/NDF : 18150932.8/23

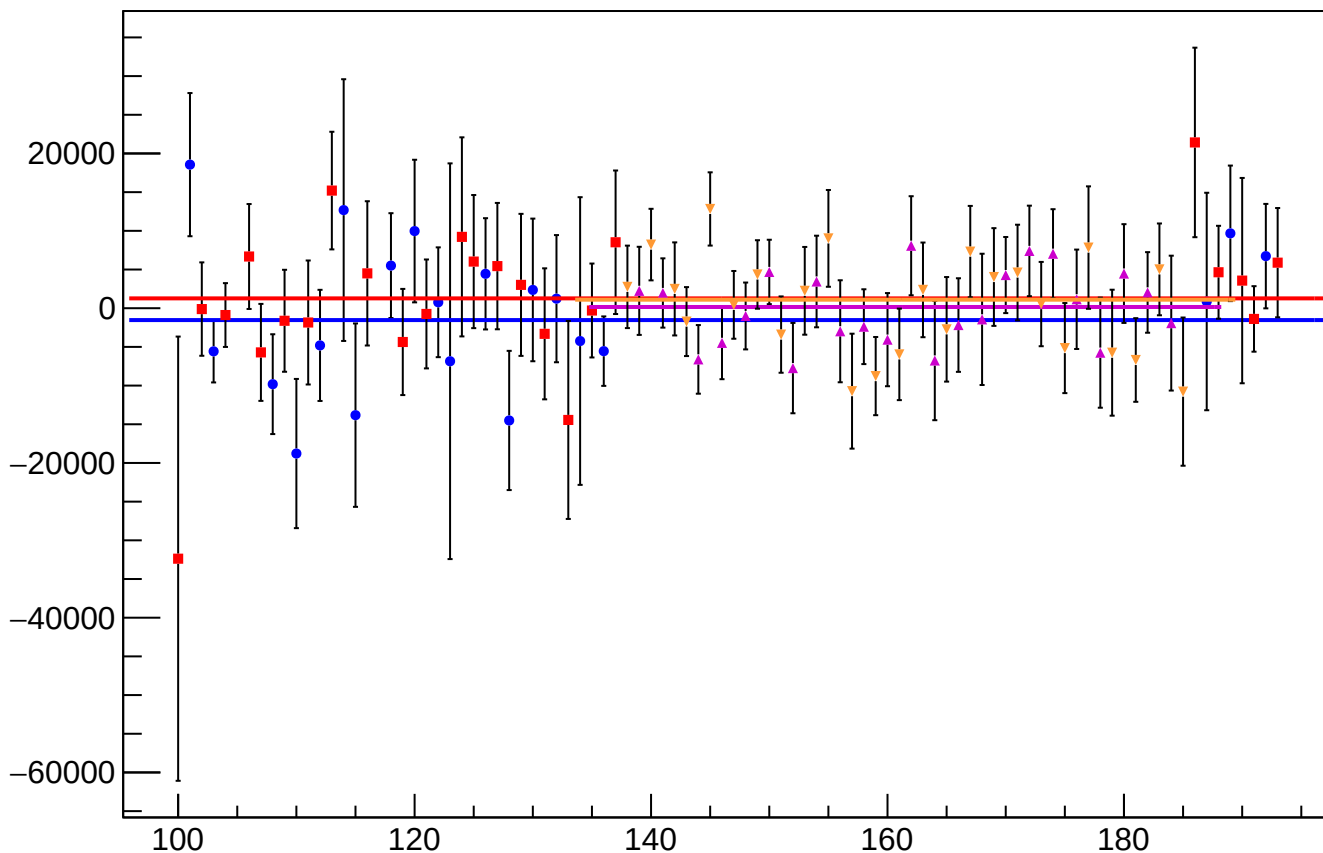
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4199.792+/-0.593 χ^2/NDF : 2491744.4/44

All: 120.086+/-0.060 χ^2/NDF : 102221912.1/5

- sign 77.647+/-0.060 χ^2/NDF : 51925231.0/46

asym_atr_dd_mean vs Slug



Right In: -1533.719 ± 1704.608 χ^2/NDF : 22.4/19

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1271.152 ± 1466.892 χ^2/NDF : 15.5/23

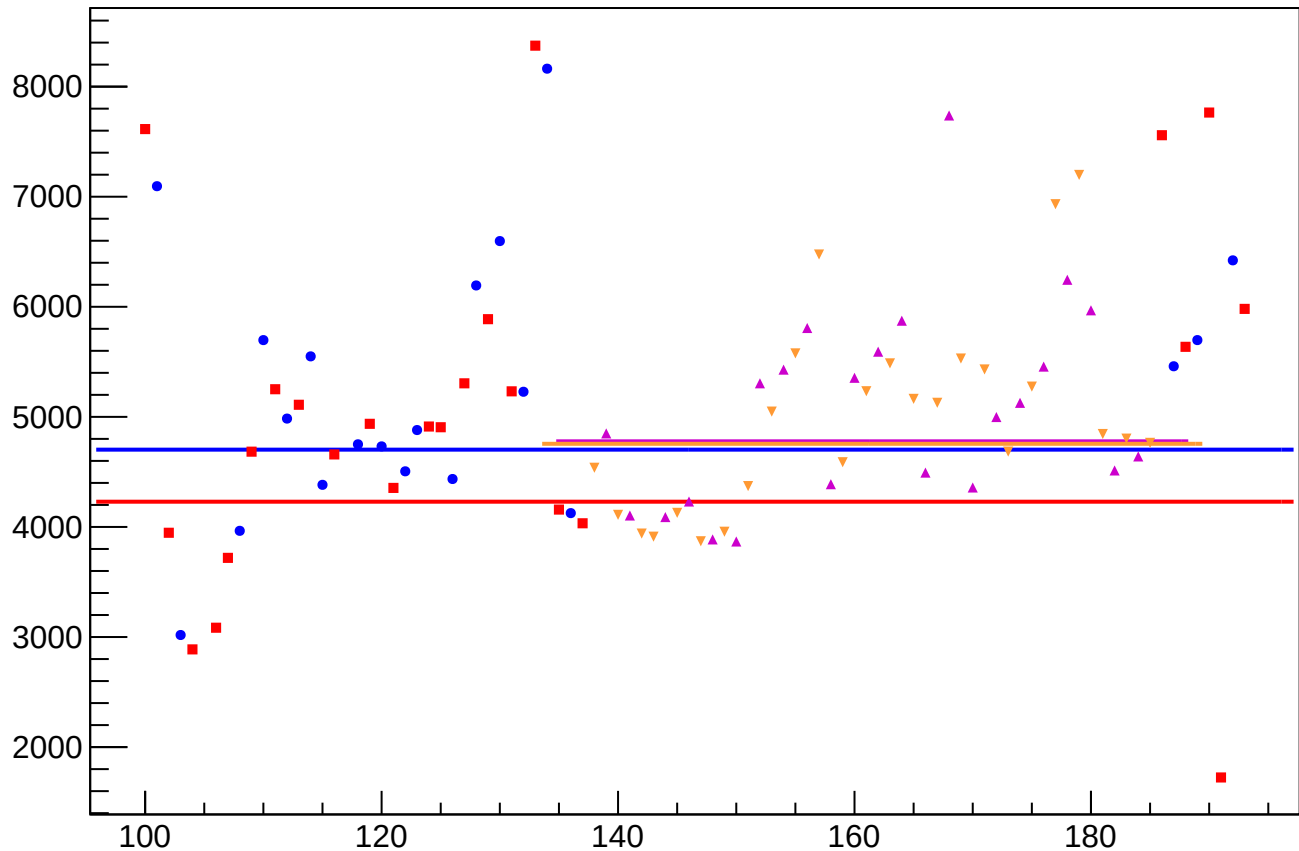
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 300.787 ± 939.912 χ^2/NDF : 52.6/44

All: 448.623 ± 654.012 χ^2/NDF : 84.1/91

- sign 587.385 ± 910.609 χ^2/NDF : 31.4/46

asym_atr_dd_rms vs Slug



Right In: 4702.207+/-1.205 χ^2/NDF : 957696.6/19

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4229.393+/-1.033 χ^2/NDF : 1999324.3/23

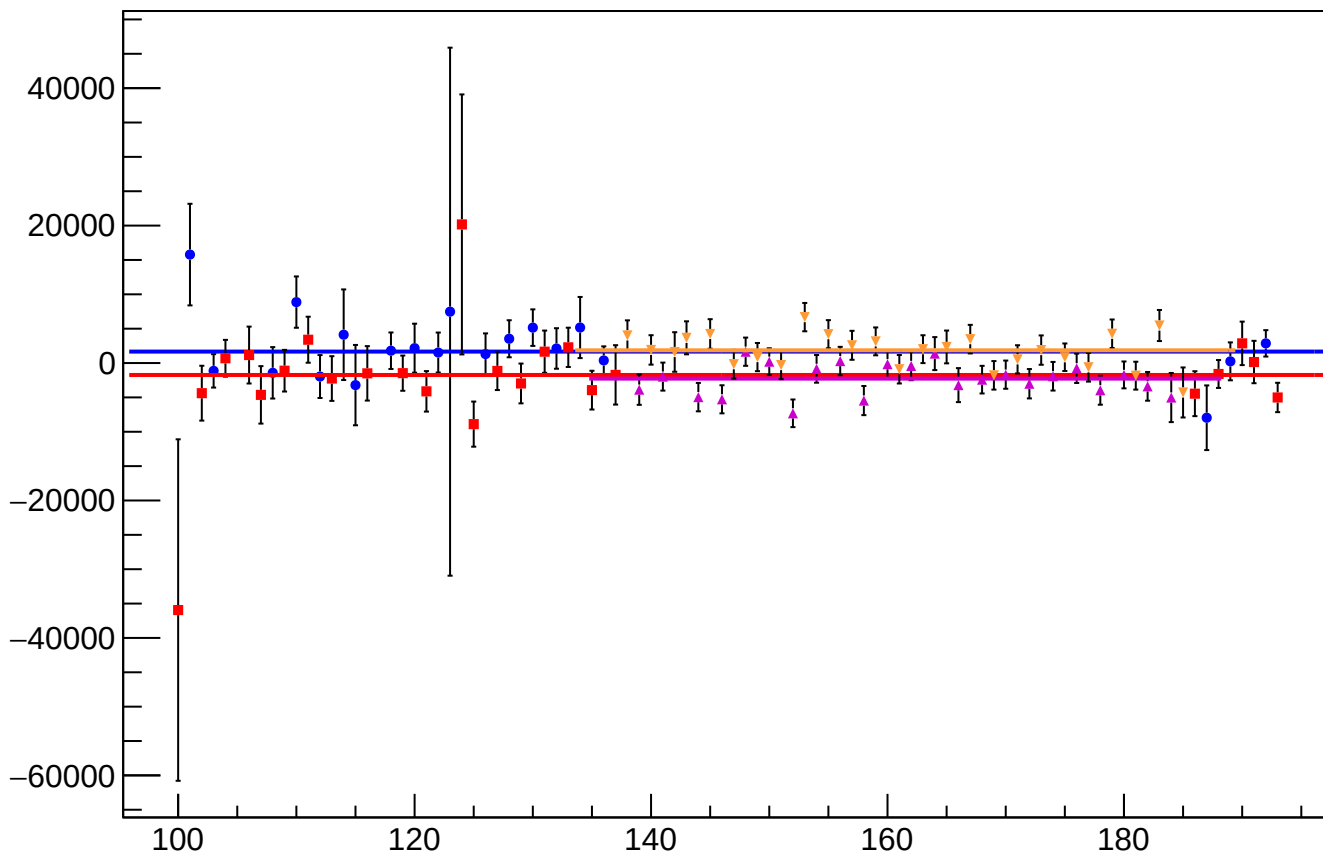
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4739.216+/-0.665 χ^2/NDF : 1912379.1/44

All: 4649.412+/-0.462 χ^2/NDF : 5070054.5/91

- sign 4565.393+/-0.643 χ^2/NDF : 3122336.3/46

reg_asym_at1_avg_mean vs Slug



Right In: 1667.126 ± 695.591 χ^2/NDF : 19.7/19

Left Out: 1856.570 ± 430.977 χ^2/NDF : 30.0/24

Right Out: -1736.075 ± 638.133 χ^2/NDF : 22.9/23

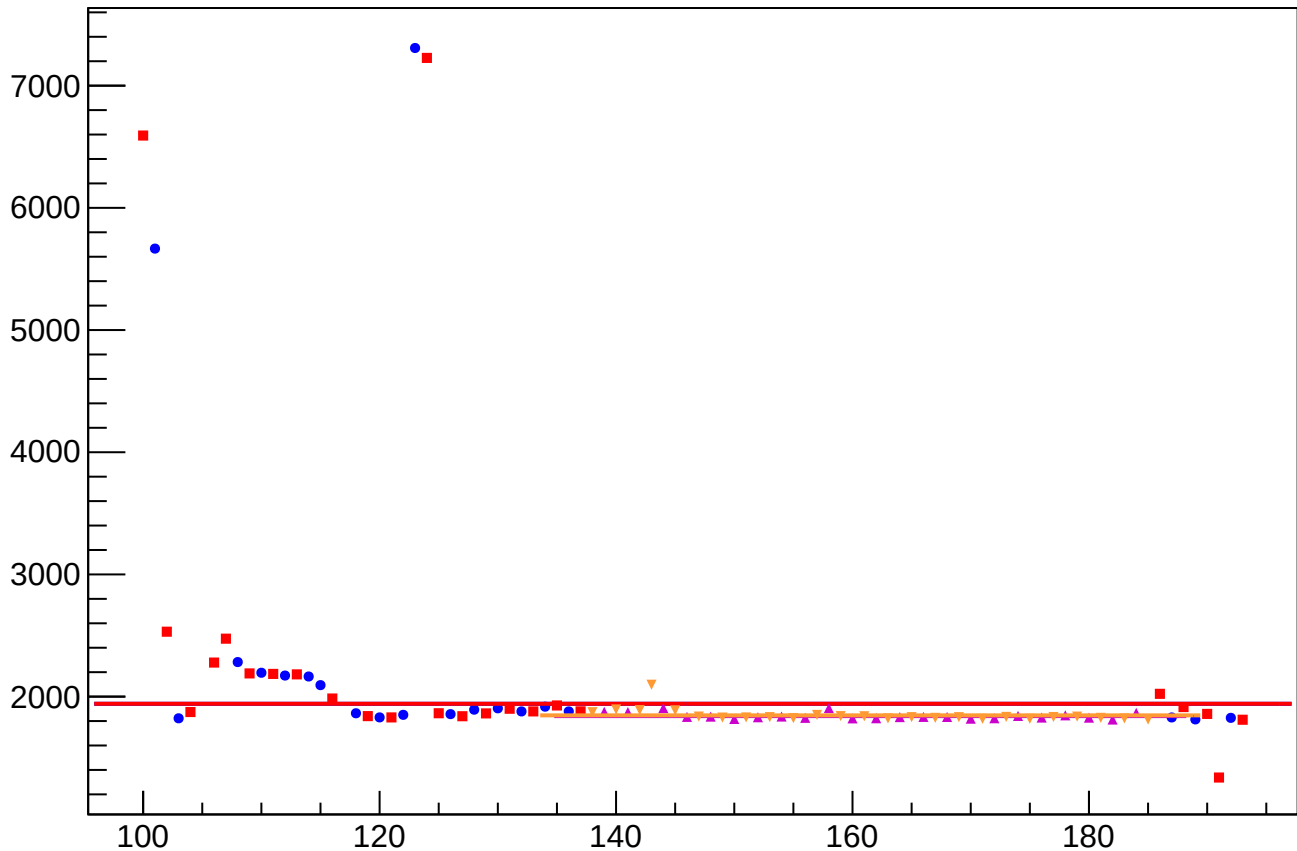
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1804.019 ± 366.356 χ^2/NDF : 49.7/44

All: -162.919 ± 257.927 χ^2/NDF : 157.1/91

- sign -2096.009 ± 363.191 χ^2/NDF : 50.2/46

reg_asym_at1_avg_rms vs Slug



Right In: 1941.124+/-0.492 χ^2/NDF : 615899.7/19

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1941.467+/-0.451 χ^2/NDF : 452379.1/23

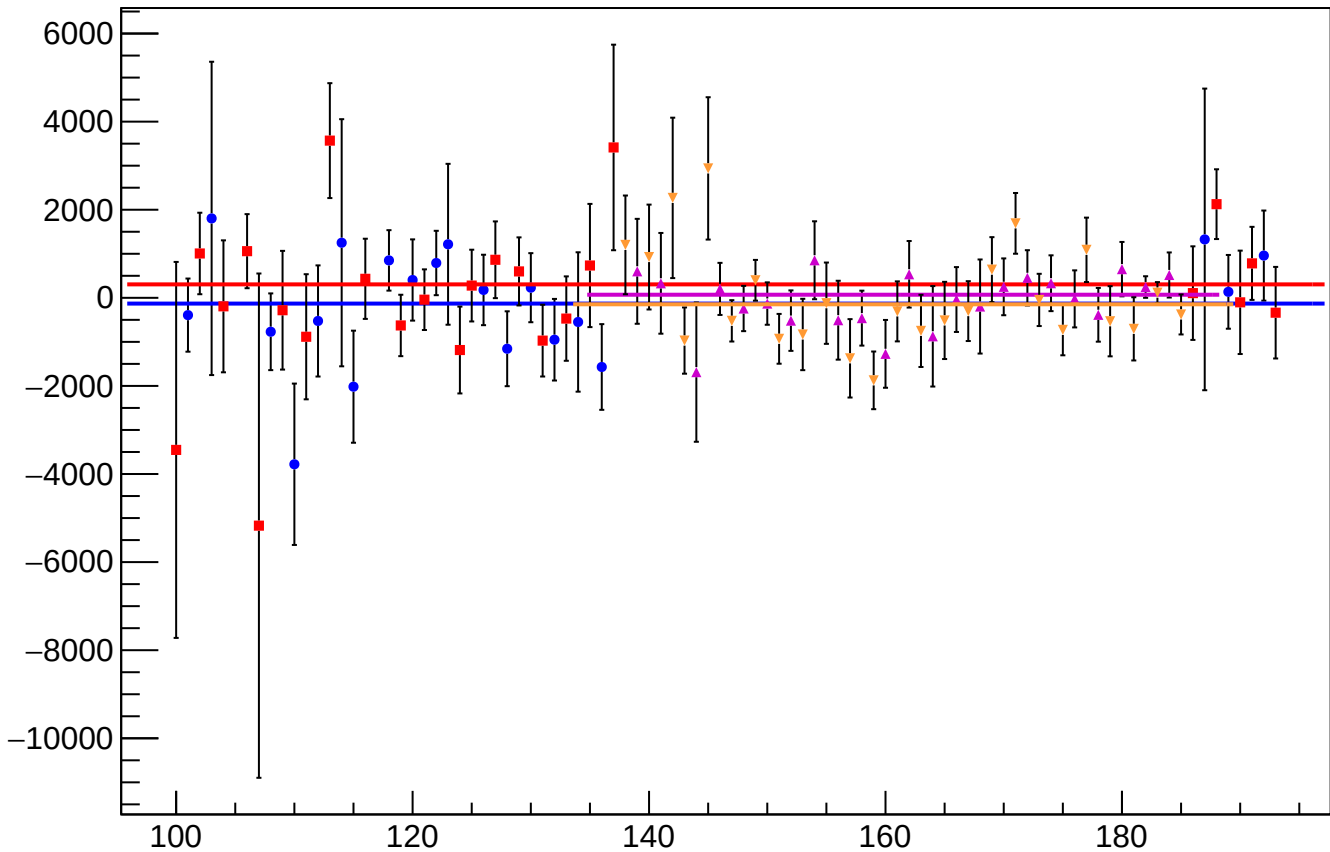
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1872.822+/-0.259 χ^2/NDF : 669888.6/44

All: 1873.030+/-0.182 χ^2/NDF : 1162831.3/91

- sign 1873.234+/-0.257 χ^2/NDF : 492941.4/46

asym_at1_avg_correction_mean vs Slug



Right In: -130.842 ± 225.561 χ^2/NDF : 18.2/19

Left Out: -146.999 ± 121.984 χ^2/NDF : 37.7/24

Right Out: 305.220 ± 201.910 χ^2/NDF : 26.4/23

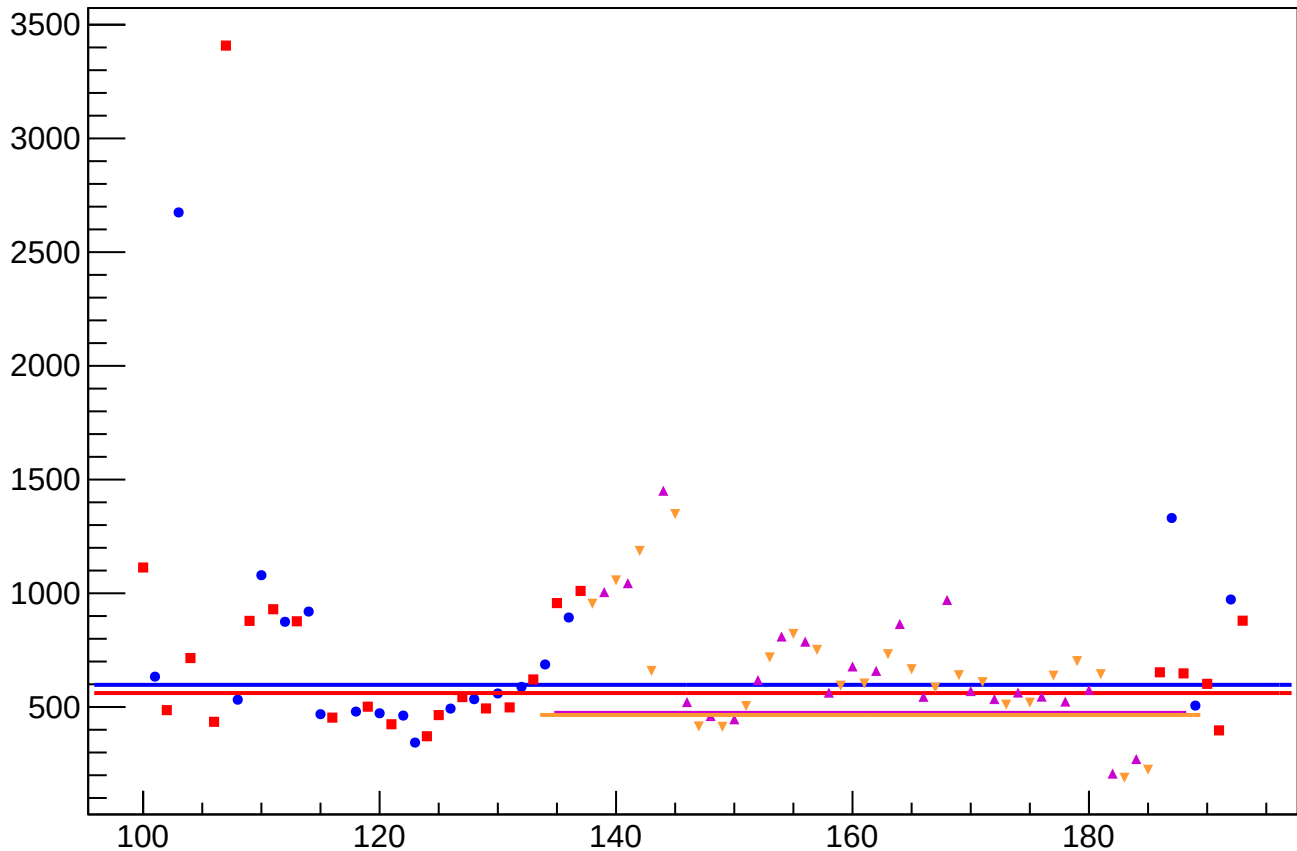
Left In: 70.340 ± 126.373 χ^2/NDF : 12.3/22

+ sign -143.343 ± 107.298 χ^2/NDF : 55.9/44

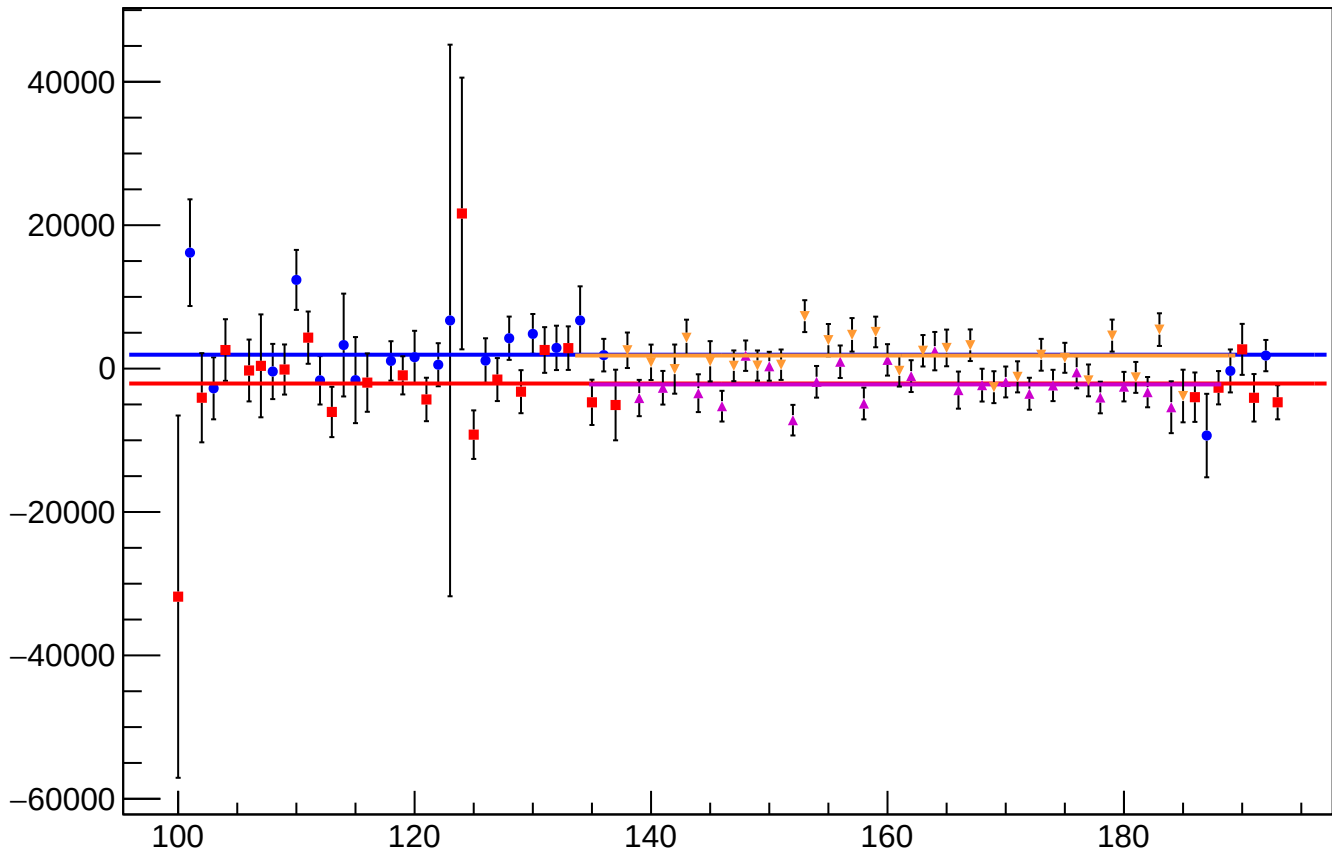
All: -3.214 ± 75.809 χ^2/NDF : 98.9/91

- sign 136.453 ± 107.121 χ^2/NDF : 39.6/46

asym_at1_avg_correction_rms vs Slug



asym_at1_avg_mean vs Slug



Right In: 1936.718 $\pm$ 770.239 χ^2 /NDF: 20.4/19

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -2082.010 $\pm$ 710.555 χ^2 /NDF: 24.1/23

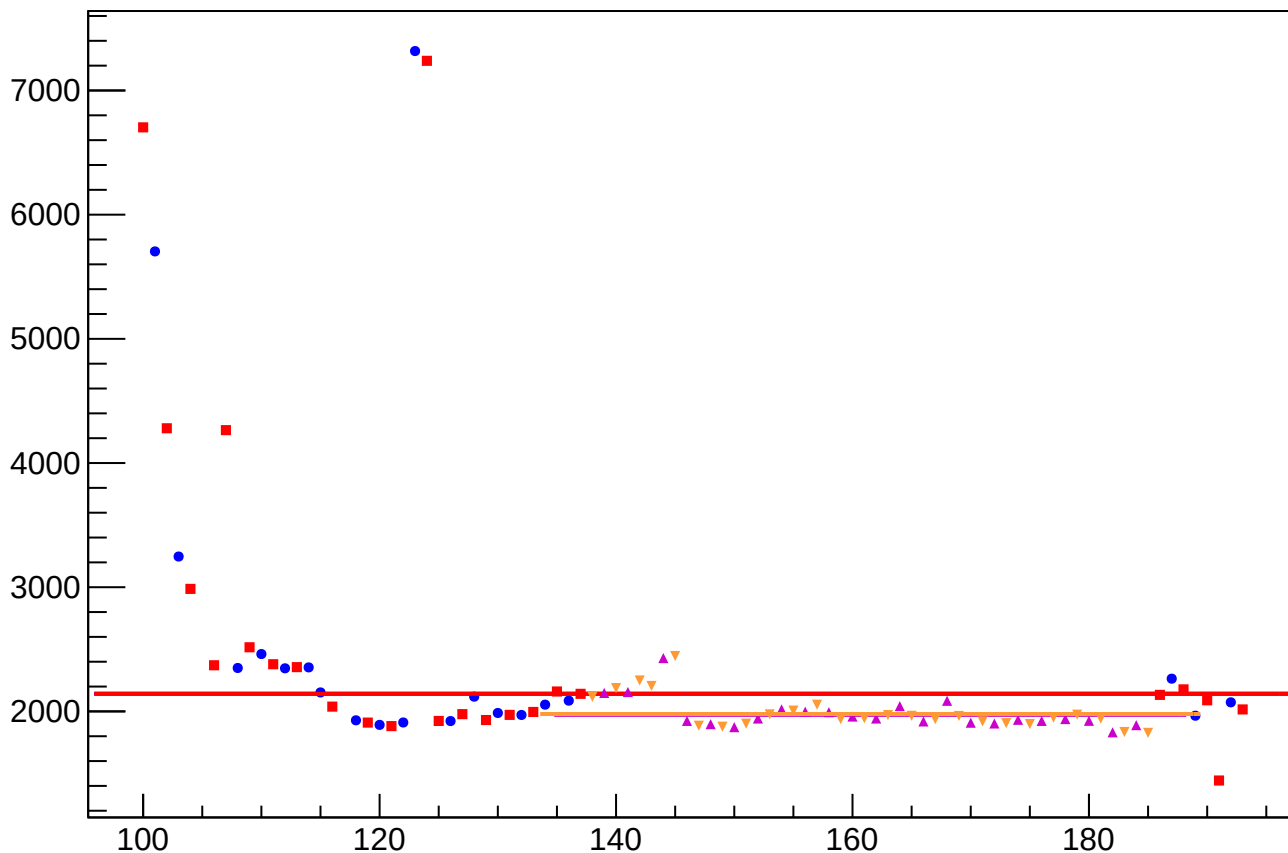
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 1853.938 $\pm$ 396.631 χ^2 /NDF: 52.6/44

All: -169.299 $\pm$ 279.649 χ^2 /NDF: 153.8/91

- sign -2169.273 $\pm$ 394.345 χ^2 /NDF: 49.5/46

asym_at1_avg_rms vs Slug



Right In: 2142.498 $\pm$ 0.545 χ^2 /NDF: 719122.4/19

Left Out: 1978.997 $\pm$ 0.327 χ^2 /NDF:139299.8/24

Right Out: 2141.225 $\pm$ 0.502 χ^2 /NDF: 904597.7/23

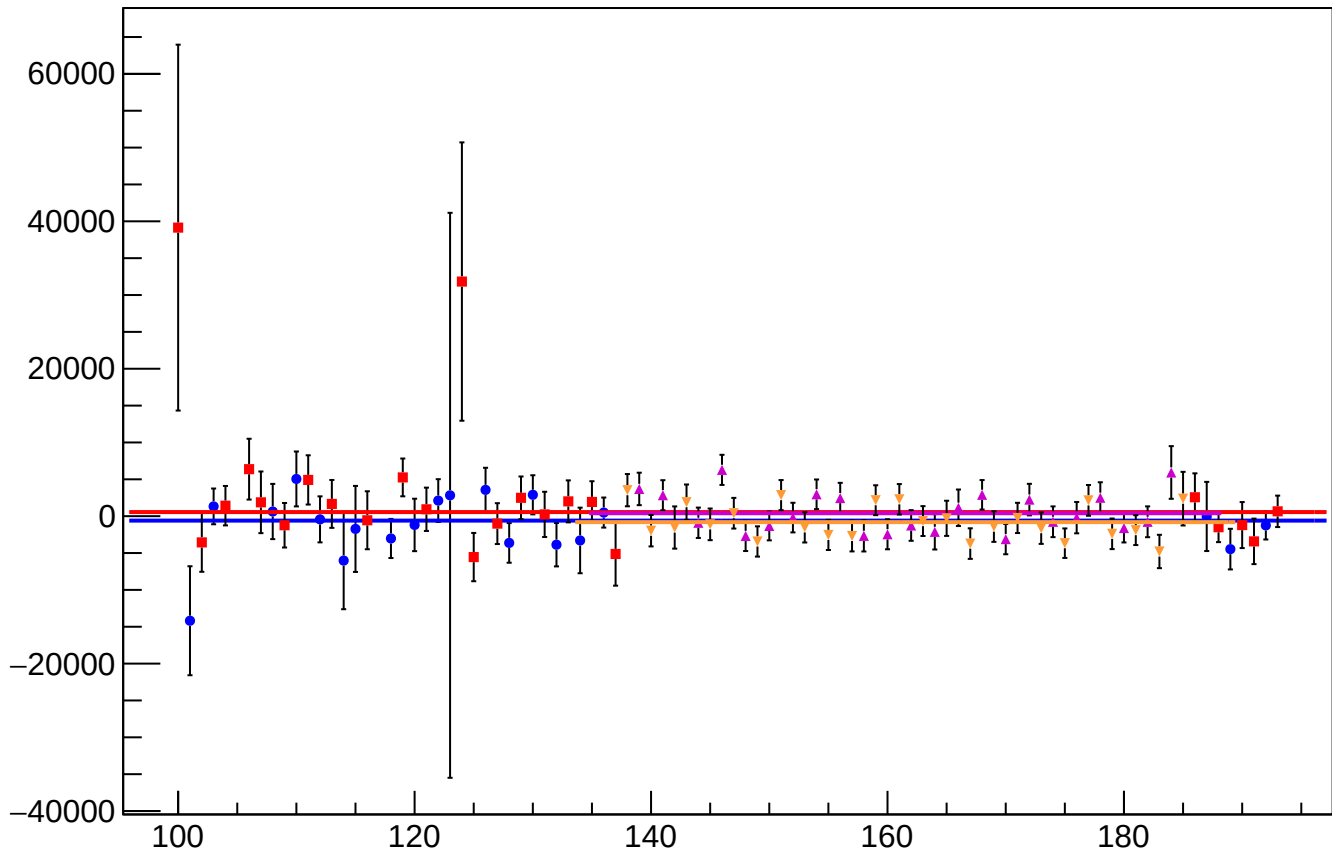
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2022.353 $\pm$ 0.280 χ^2 /NDF: 924644.4/44

All: 2023.300 $\pm$ 0.198 χ^2 /NDF: 2024063.0/91

- sign 2024.237 $\pm$ 0.279 χ^2 /NDF: 1099395.9/46

reg_asym_at1_dd_mean vs Slug



Right In: -601.705 ± 694.081 χ^2/NDF : 17.8/19

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 556.875 ± 636.387 χ^2/NDF : 23.9/23

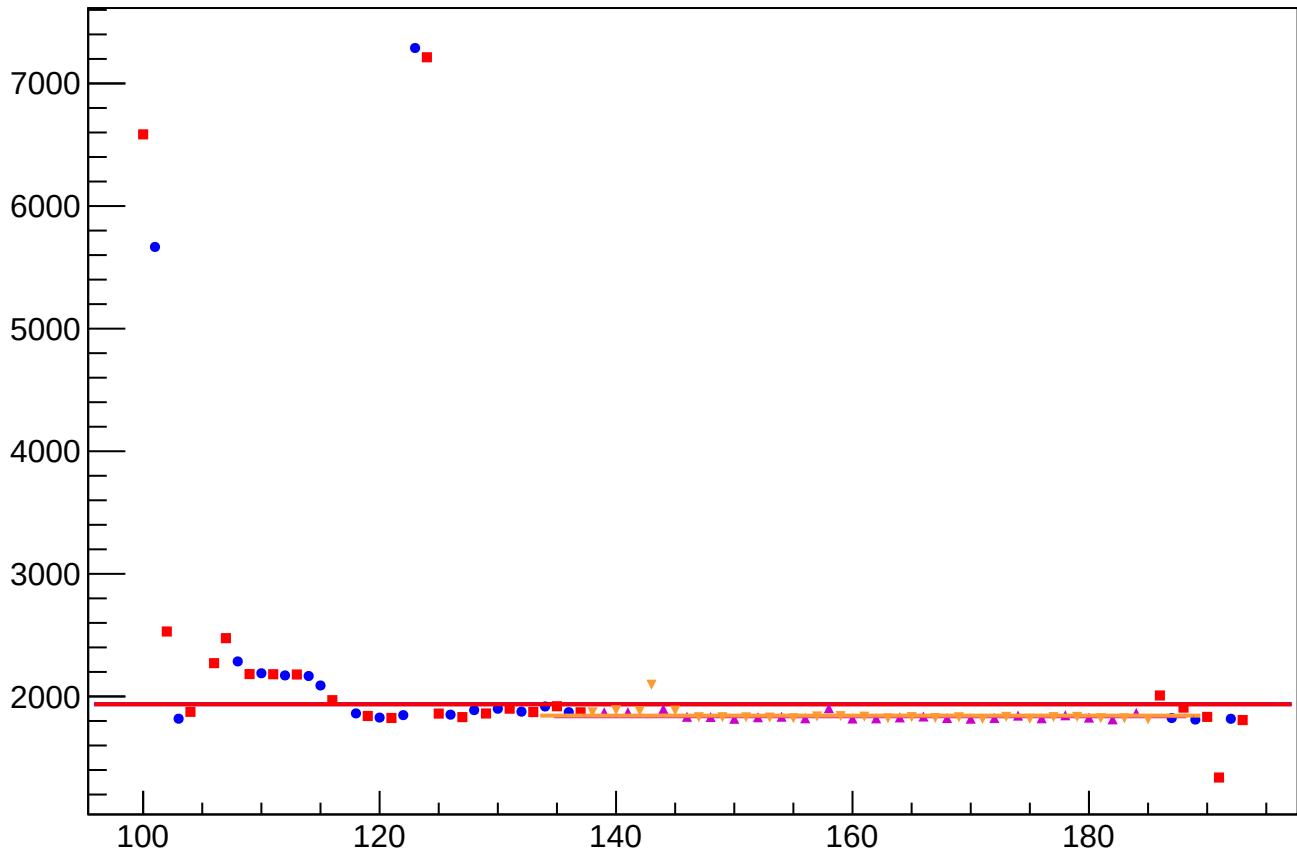
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -751.039 ± 365.722 χ^2/NDF : 45.8/44

All: -145.327 ± 257.497 χ^2/NDF : 109.6/91

- sign 450.120 ± 362.610 χ^2/NDF : 58.4/46

reg_asym_at1_dd_rms vs Slug



Right In: 1936.694 $\pm$ 0.491 χ^2 /NDF: 618587.5/19

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF: 26867.4/24

Right Out: 1936.123 $\pm$ 0.450 χ^2 /NDF: 452240.1/23

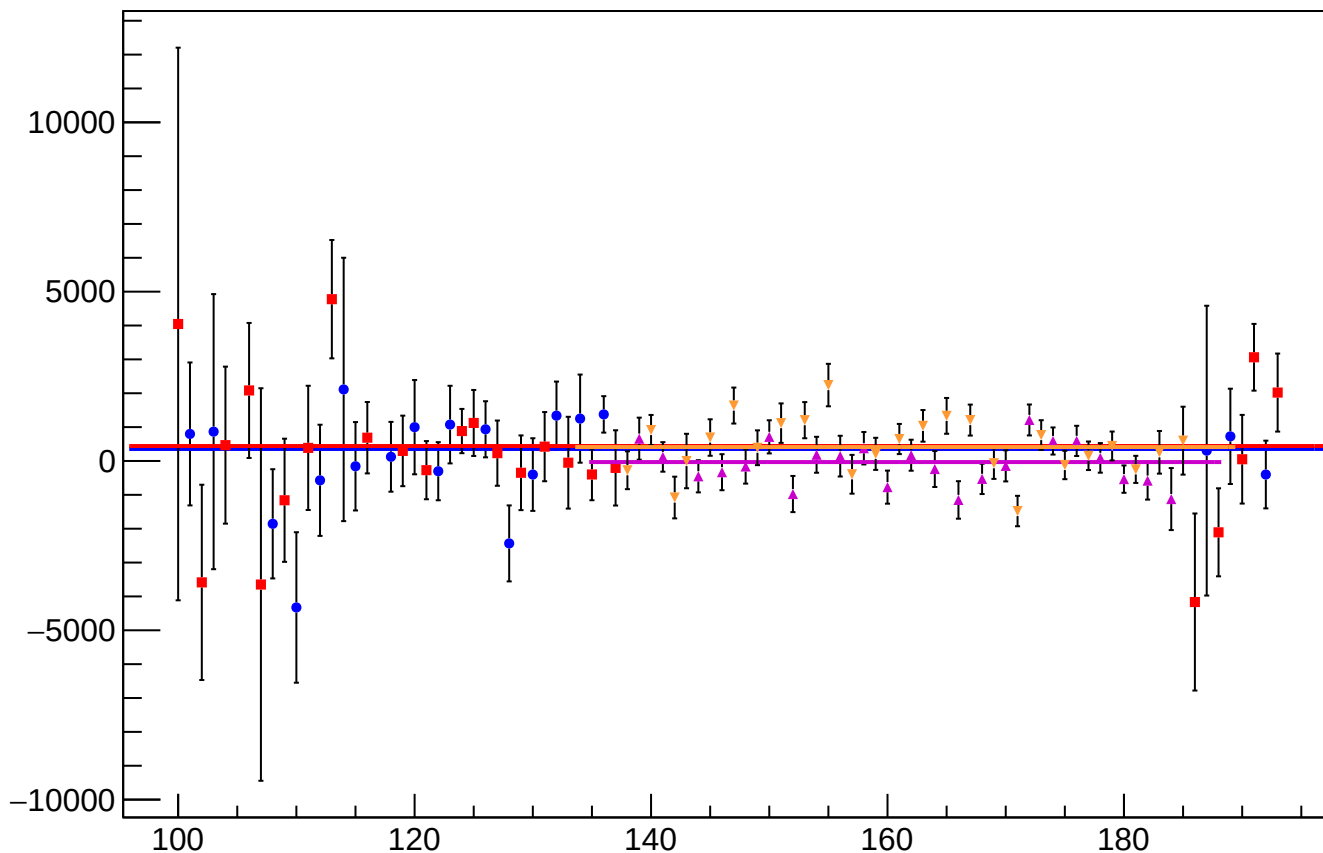
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1869.553 $\pm$ 0.259 χ^2 /NDF: 671362.9/44

All: 1869.914 $\pm$ 0.182 χ^2 /NDF: 1161653.6/91

- sign 1870.270 $\pm$ 0.256 χ^2 /NDF: 490286.8/46

asym_at1_dd_correction_mean vs Slug



Right In: 354.872 $\pm$ 256.632 χ^2 /NDF: 21.1/19

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF: 61.2/24

Right Out: 441.557 $\pm$ 241.516 χ^2 /NDF: 30.2/23

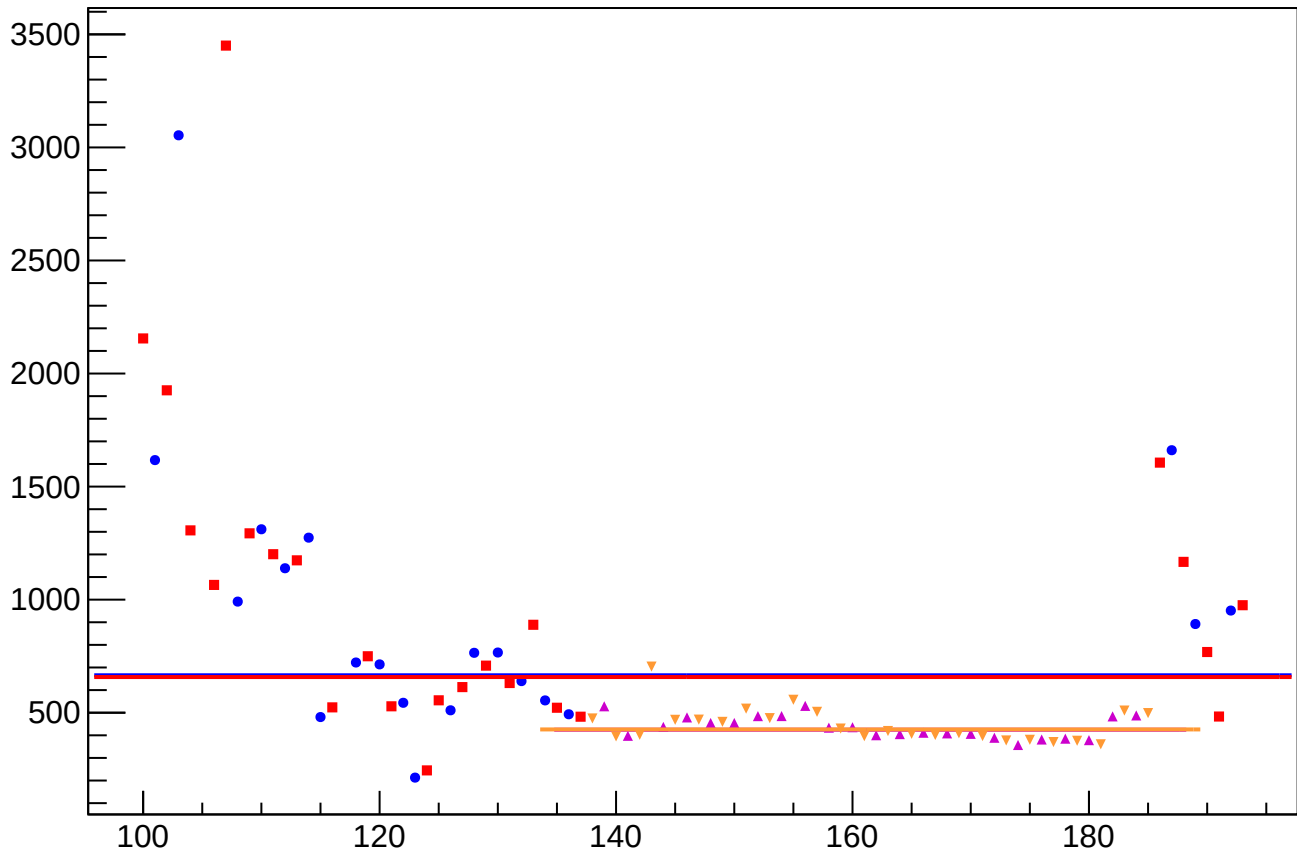
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 403.605 $\pm$ 93.545 χ^2 /NDF: 82.3/44

All: 223.112 $\pm$ 66.404 χ^2 /NDF: 156.1/91

- sign 39.775 $\pm$ 94.279 χ^2 /NDF: 66.2/46

asym_at1_dd_correction_rms vs Slug



Right In: 665.504 $\pm$ 0.181 χ^2 /NDF: 2612921.0/19

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 657.720 $\pm$ 0.171 χ^2 /NDF: 3647237.0/23

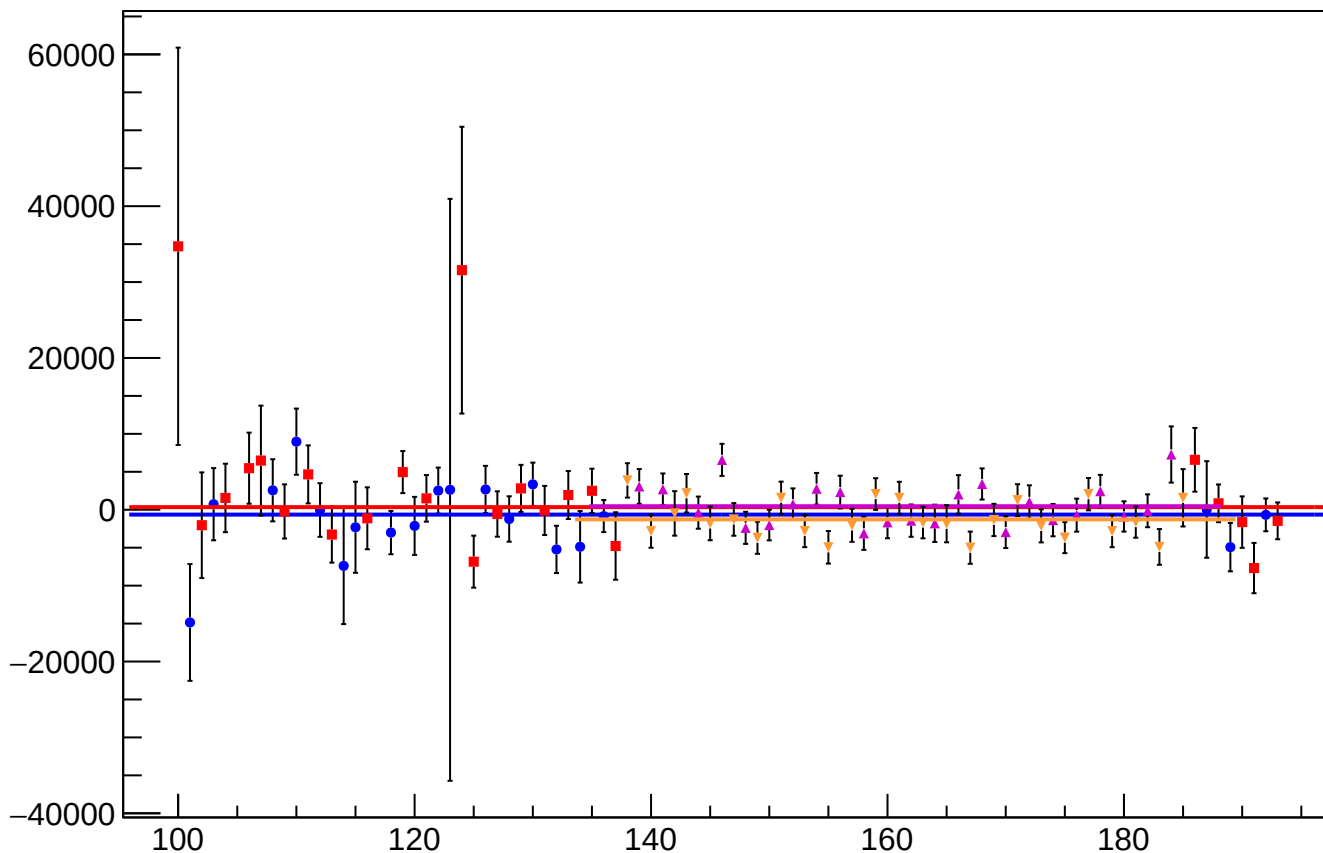
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 457.846 $\pm$ 0.066 χ^2 /NDF: 4856145.6/44

All: 458.992 $\pm$ 0.047 χ^2 /NDF: 10474487.0/9

- sign 460.156 $\pm$ 0.067 χ^2 /NDF: 5617736.3/46

asym_at1_dd_mean vs Slug



Right In: -639.648 ± 779.655 χ^2/NDF : 19.7/19

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 344.352 ± 727.994 χ^2/NDF : 28.1/23

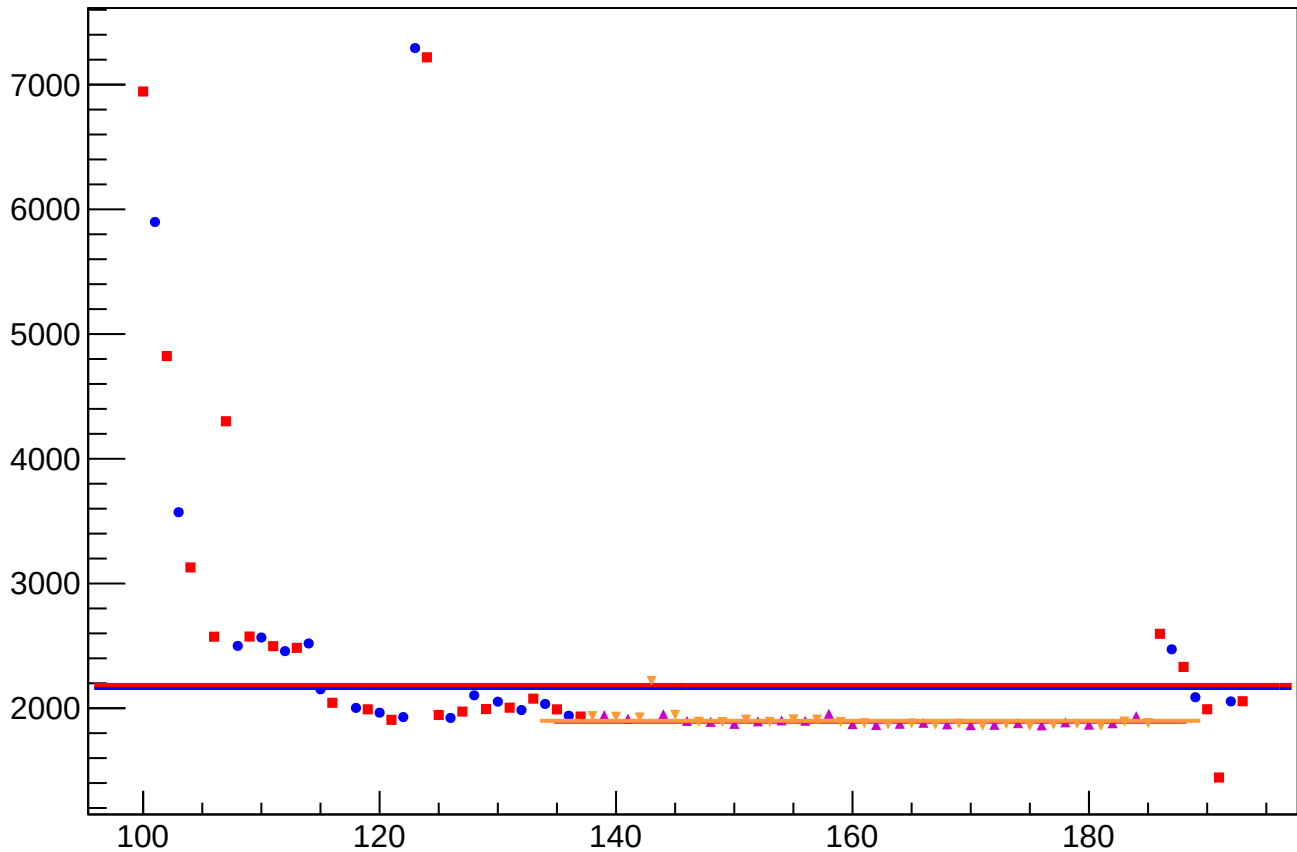
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1114.445 ± 385.310 χ^2/NDF : 51.0/44

All: -342.246 ± 272.415 χ^2/NDF : 119.7/91

- sign 429.494 ± 385.195 χ^2/NDF : 60.7/46

asym_at1_dd_rms vs Slug



Right In: 2162.199+/-0.551 χ^2/NDF : 812410.3/19

Left Out: 1898.962+/-0.313 χ^2/NDF : 38680.4/24

Right Out: 2186.923+/-0.515 χ^2/NDF : 1036115.0/23

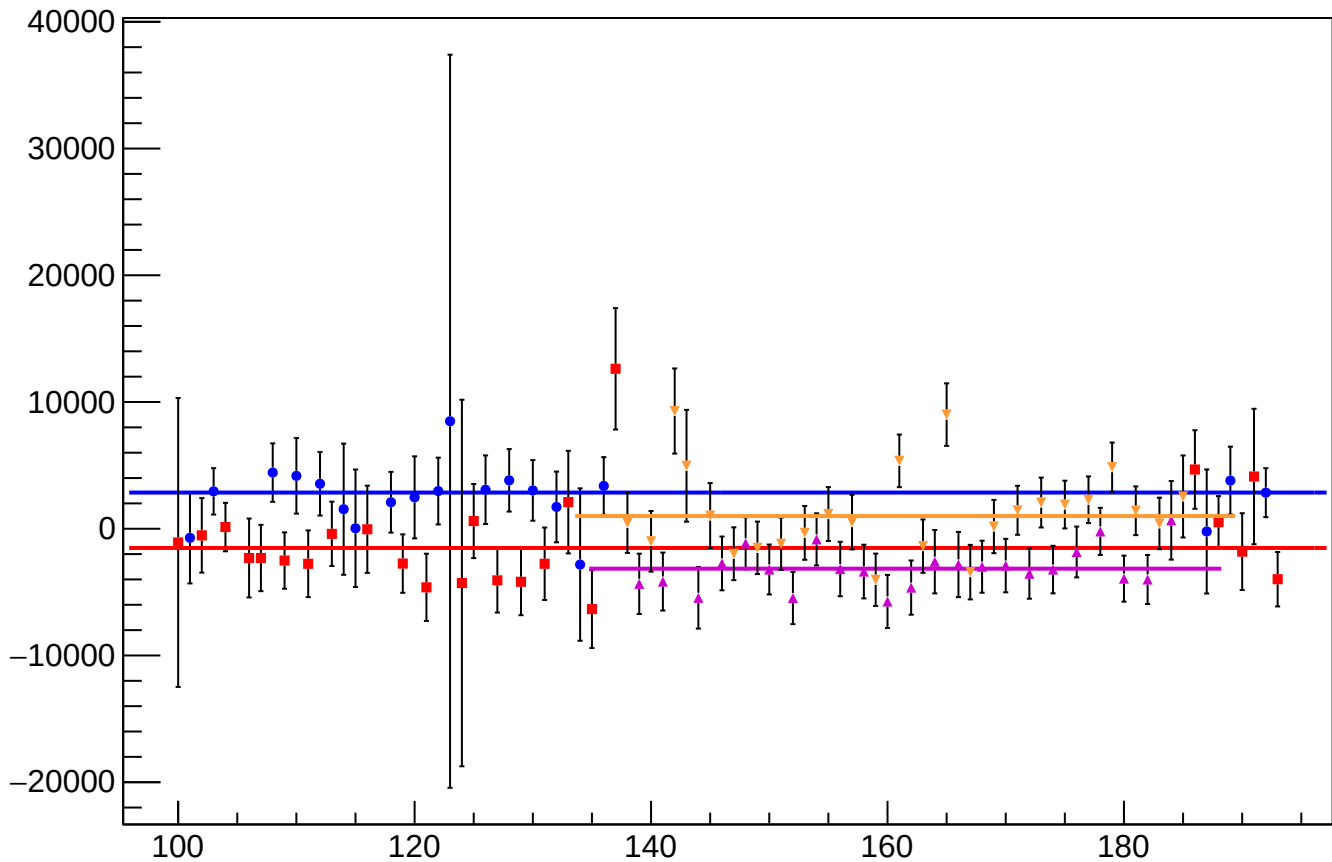
Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

+ sign 1963.255+/-0.272 χ^2/NDF : 1023398.8/44

All: 1968.803+/-0.193 χ^2/NDF : 2304601.2/91

- sign 1974.348+/-0.272 χ^2/NDF : 1280373.3/46

reg_asym_at2_avg_mean vs Slug



Right In: 2855.896 $\pm$ 619.170 χ^2 /NDF: 4.1/19

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF:44.6/24

Right Out: -1515.586 $\pm$ 575.564 χ^2 /NDF: 25.6/23

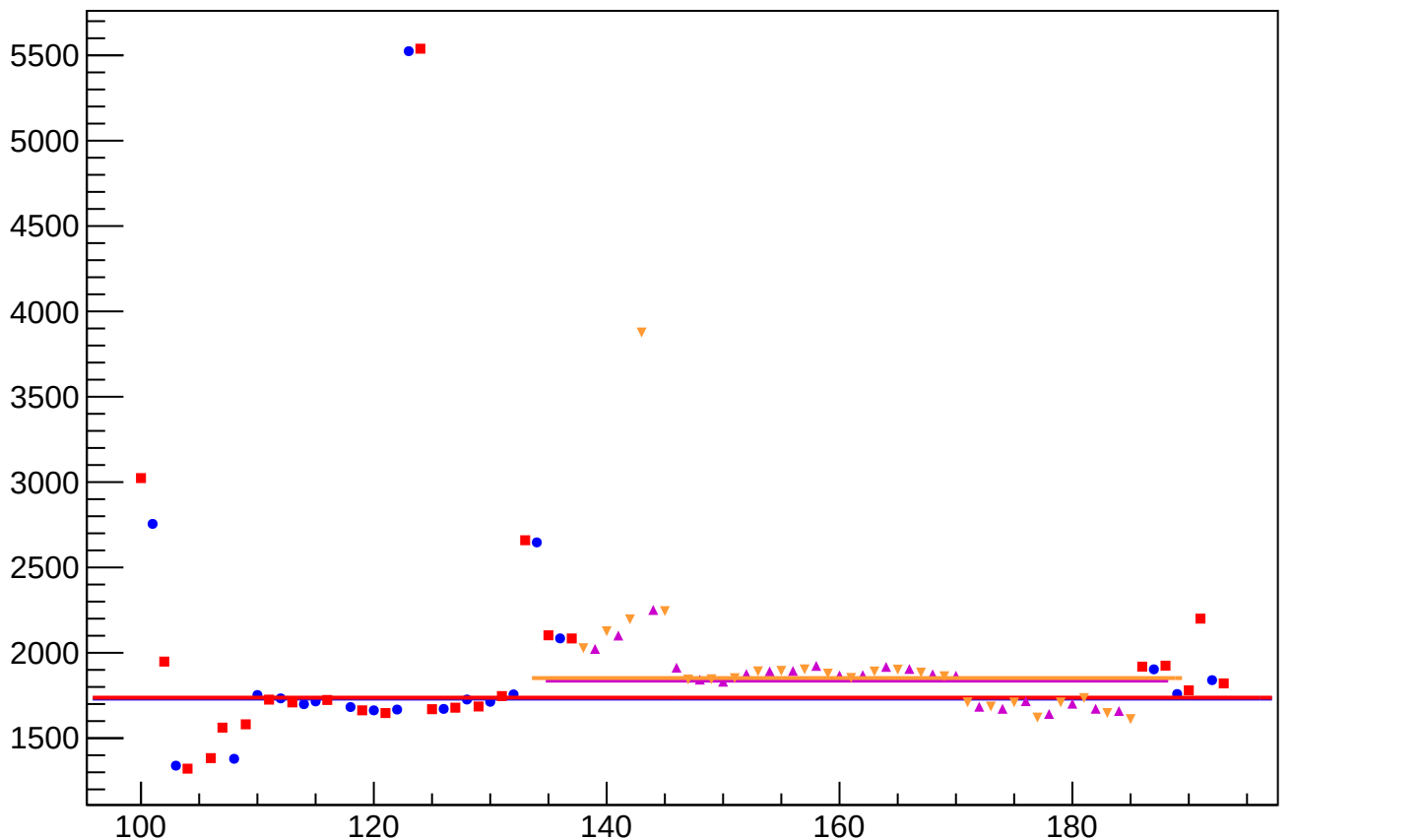
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF:11.8/22

+ sign 1614.626 $\pm$ 356.074 χ^2 /NDF: 54.7/44

All: -500.413 $\pm$ 249.655 χ^2 /NDF: 166.7/91

- sign -2545.442 $\pm$ 350.131 χ^2 /NDF: 42.6/46

reg_asym_at2_avg_rms vs Slug



Right In: 1731.971+/-0.438 χ^2/NDF : 442650.0/19

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1737.280+/-0.407 χ^2/NDF : 505679.5/23

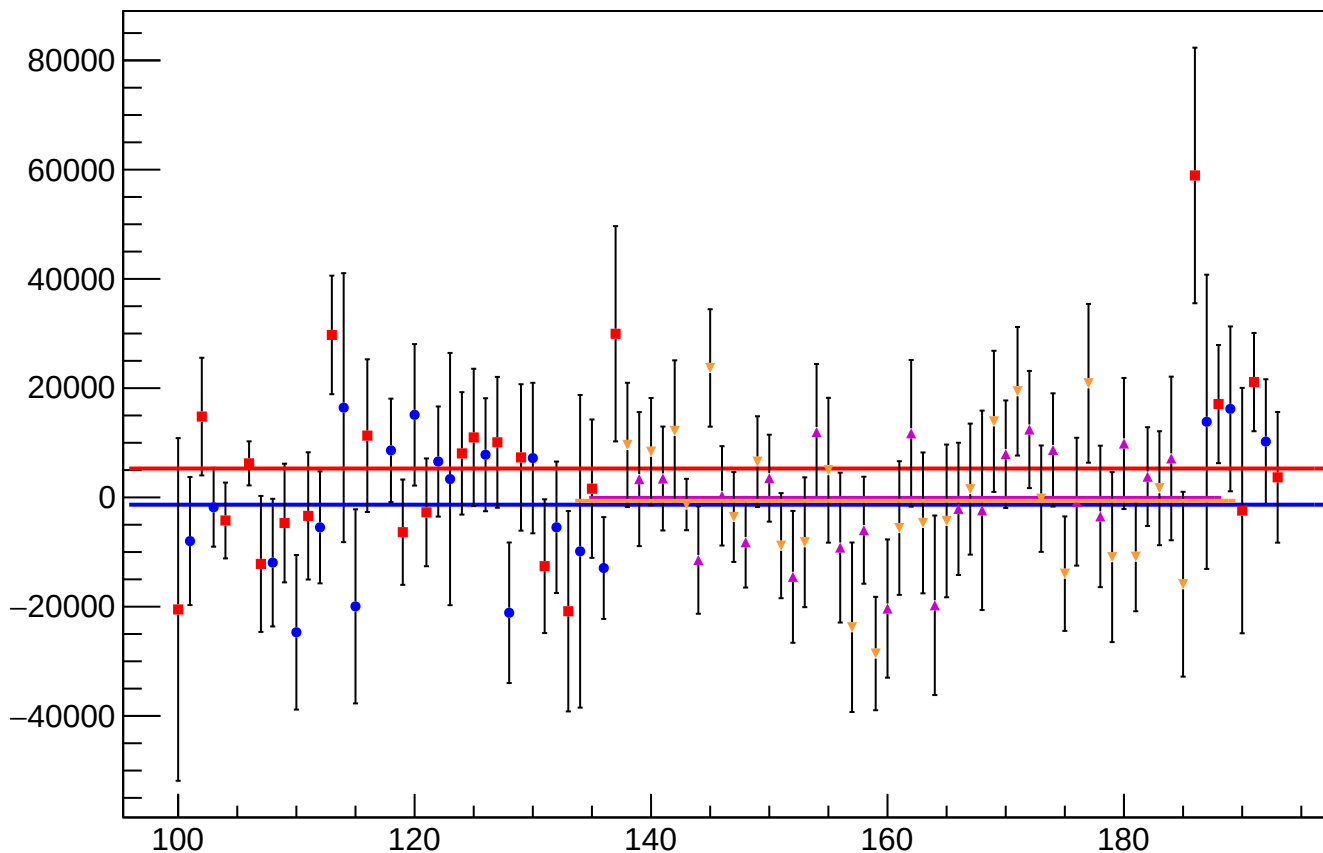
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1812.276+/-0.252 χ^2/NDF : 1141872.6/44

All: 1806.132+/-0.177 χ^2/NDF : 1887170.5/91

- sign 1800.192+/-0.248 χ^2/NDF : 744126.7/46

asym_at2_avg_correction_mean vs Slug



Right In: -1333.646 ± 2714.379 $\chi^2/\text{NDF}: 17.0/19$

Left Out: -619.372 ± 2069.686 $\chi^2/\text{NDF}: 30.1/24$

Right Out: 5289.622 ± 2104.446 $\chi^2/\text{NDF}: 30.1/23$

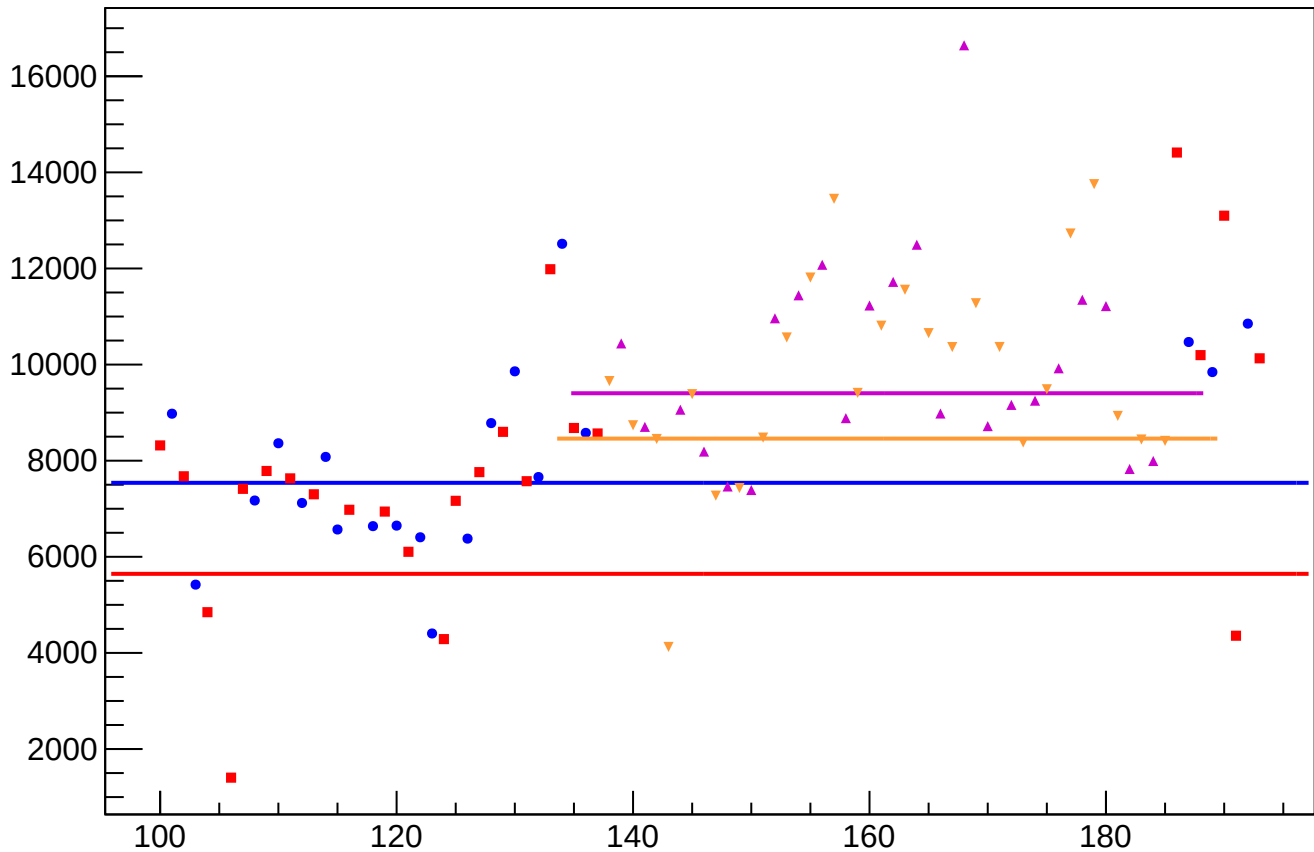
Left In: -93.334 ± 2293.826 $\chi^2/\text{NDF}: 14.6/22$

+ sign -881.971 ± 1645.830 $\chi^2/\text{NDF}: 47.2/44$

All: 1084.113 ± 1128.645 $\chi^2/\text{NDF}: 97.6/91$

- sign 2829.493 ± 1550.704 $\chi^2/\text{NDF}: 47.7/46$

asym_at2_avg_correction_rms vs Slug



Right In: 7539.602+/-1.919 χ^2/NDF : 736341.6/19

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 5645.528+/-1.488 χ^2/NDF : 4448093.9/23

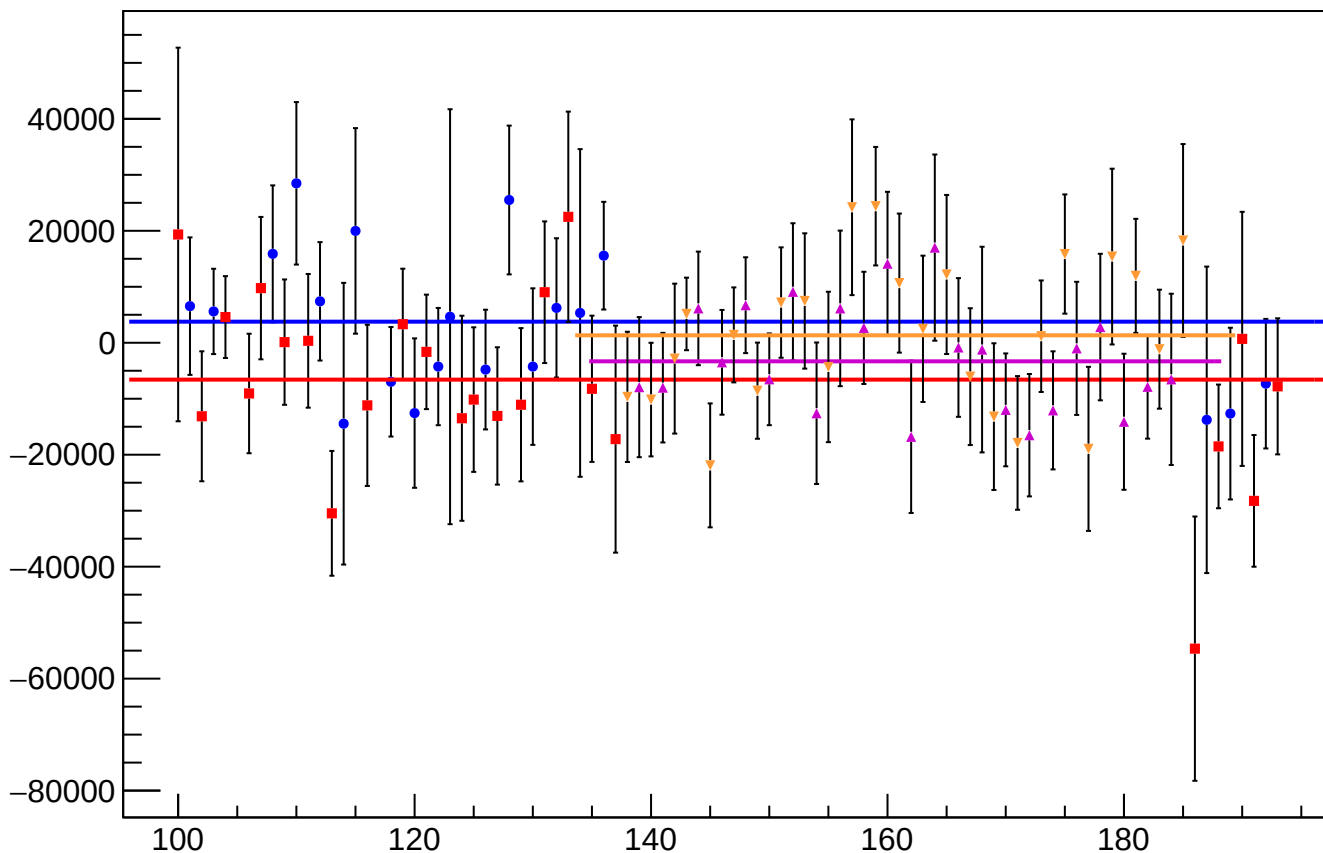
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8121.595+/-1.164 χ^2/NDF : 3968941.6/44

All: 7719.740+/-0.798 χ^2/NDF : 12699468.3/5

- sign 7362.995+/-1.097 χ^2/NDF : 8505443.4/46

asym_at2_avg_mean vs Slug



Right In: 3767.813 $\pm$ 2820.624 χ^2 /NDF: 16.4/19

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF: 28.0/24

Right Out: -6586.531 $\pm$ 2549.499 χ^2 /NDF: 25.2/23

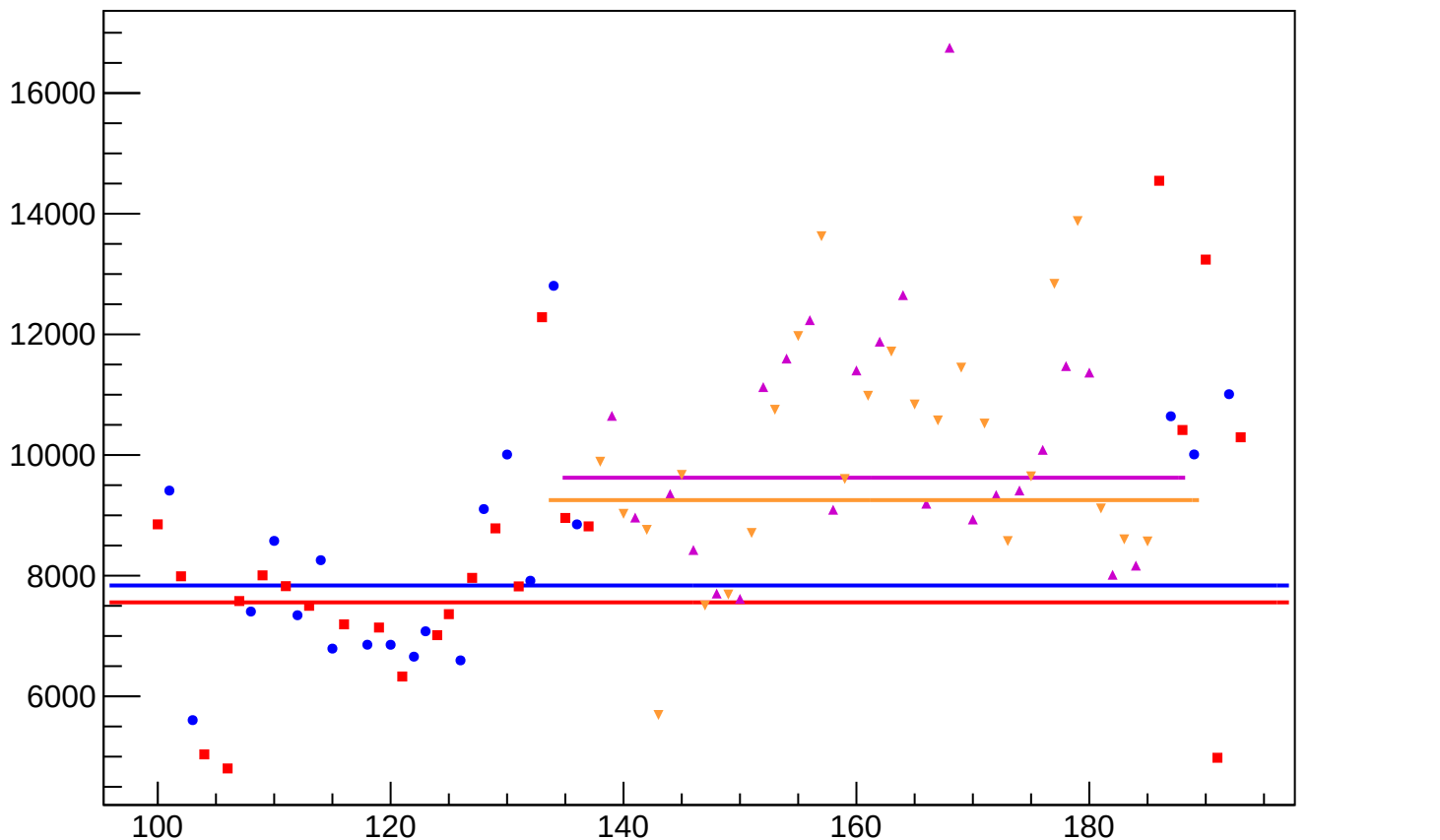
Left In: -3316.909 $\pm$ 2344.543 χ^2 /NDF: 13.7/22

+ sign 2260.988 $\pm$ 1741.440 χ^2 /NDF: 44.9/44

All: -1309.026 $\pm$ 1225.802 χ^2 /NDF: 93.0/91

- sign -4815.032 $\pm$ 1725.758 χ^2 /NDF: 39.8/46

asym_at2_avg_rms vs Slug



Right In: 7837.433+/-1.994 χ^2 /NDF: 665293.0/19

Left Out: 9252.712+/-1.565 χ^2 /NDF:1597668.9/24

Right Out: 7557.159+/-1.803 χ^2 /NDF: 1225451.7/23

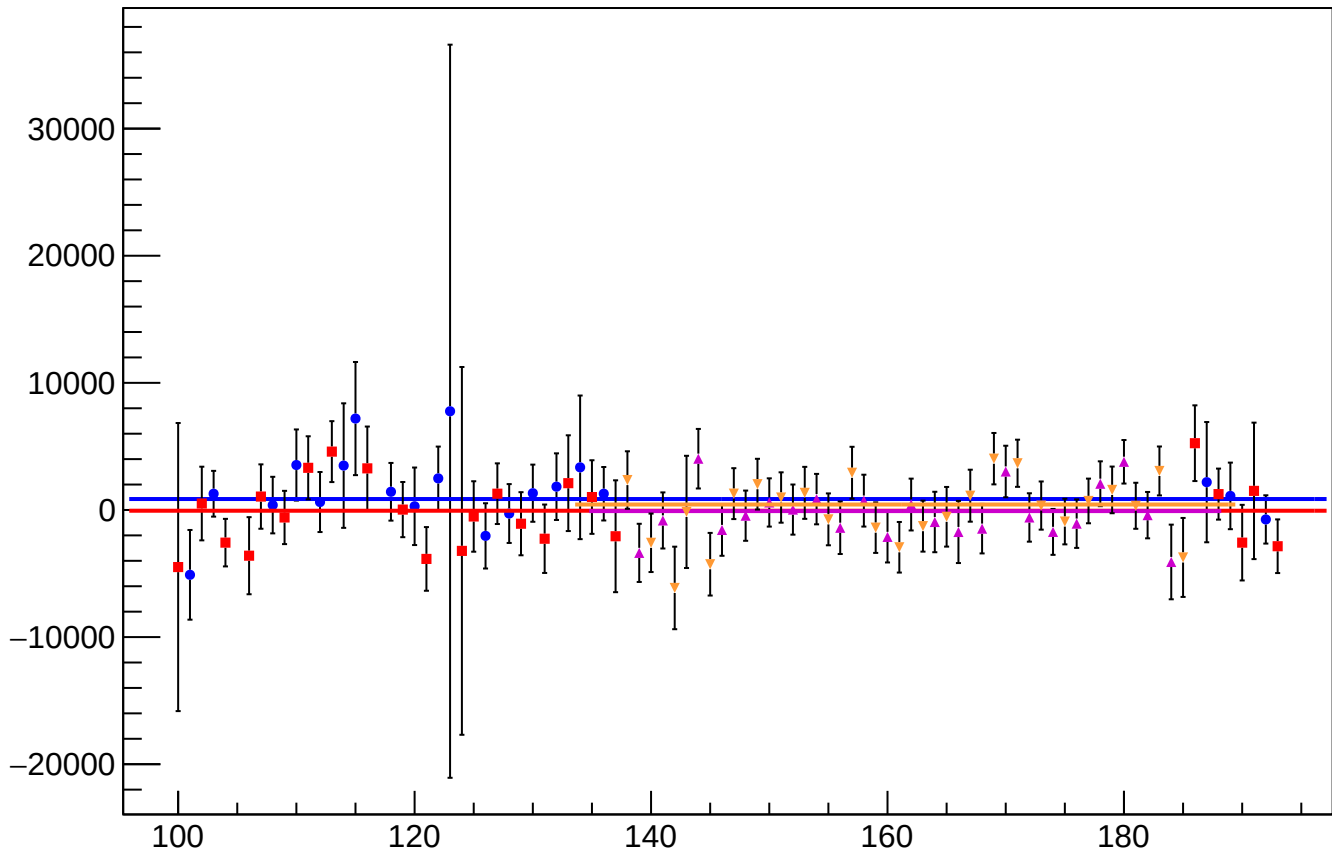
Left In: 9623.485+/-1.658 χ^2 /NDF:1069924.0/22

+ sign 8713.225+/-1.231 χ^2 /NDF: 2574565.5/44

All: 8694.743+/-0.867 χ^2 /NDF: 5582277.6/91

- sign 8676.594+/-1.220 χ^2 /NDF: 3007265.6/46

reg_asym_at2_dd_mean vs Slug



Right In: 861.139 ± 591.312 χ^2/NDF : 9.5/19

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: -59.771 ± 551.182 χ^2/NDF : 20.6/23

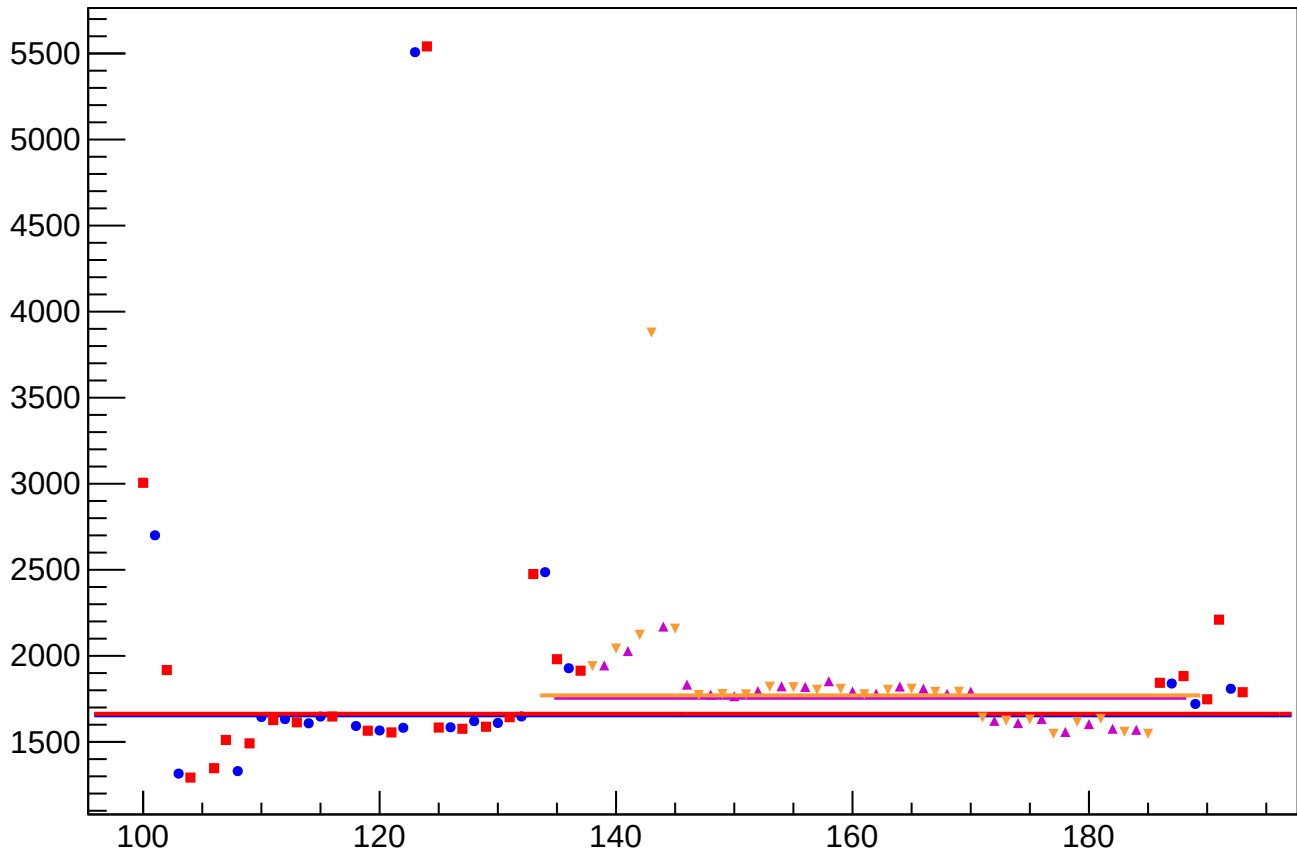
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 572.543 ± 340.444 χ^2/NDF : 38.6/44

All: 242.176 ± 238.800 χ^2/NDF : 82.0/91

- sign -77.804 ± 335.048 χ^2/NDF : 41.6/46

reg_asym_at2_dd_rms vs Slug



Right In: 1654.562 $\pm$ 0.418 χ^2 /NDF: 427342.7/19

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1663.633 $\pm$ 0.390 χ^2 /NDF: 507462.1/23

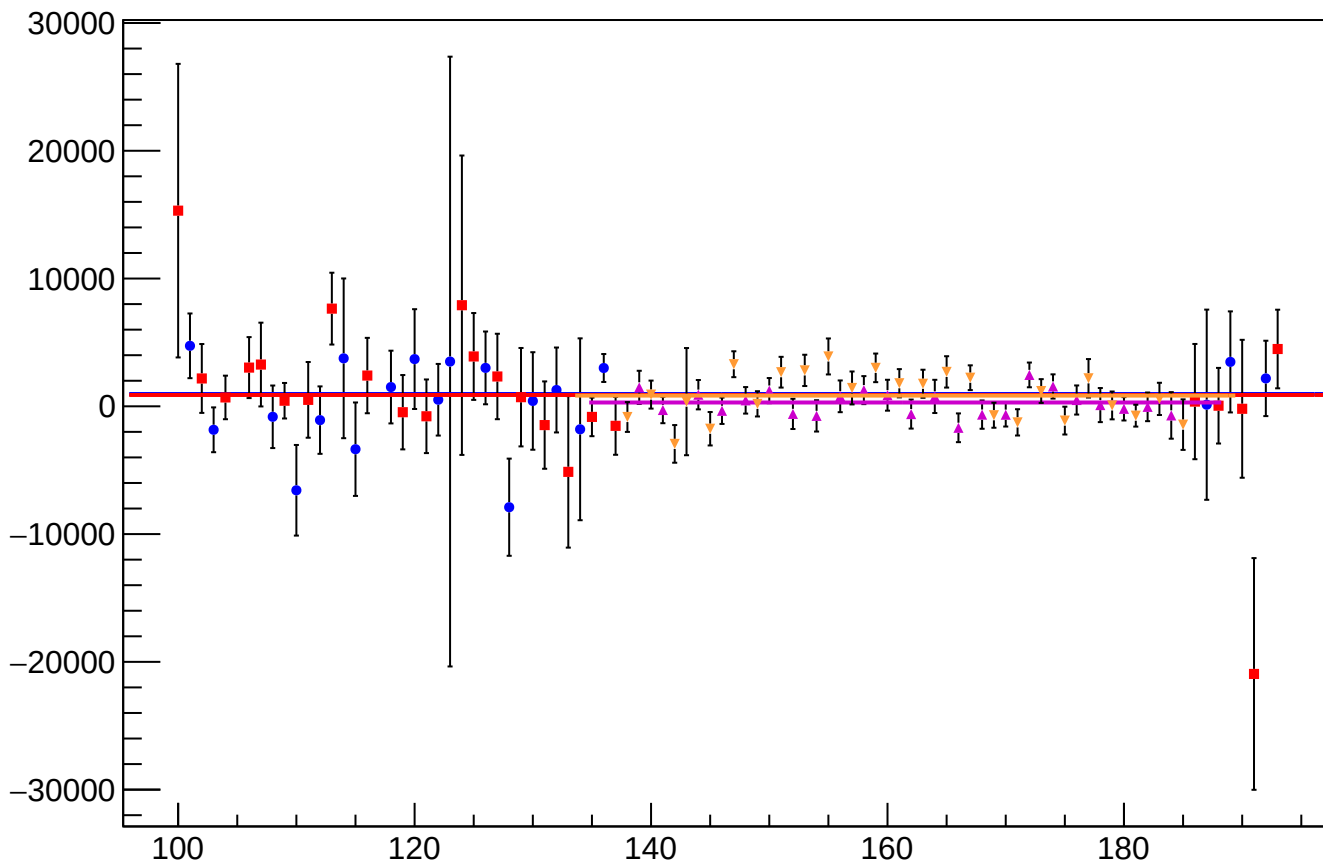
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1731.991 $\pm$ 0.241 χ^2 /NDF: 1178176.4/44

All: 1727.049 $\pm$ 0.169 χ^2 /NDF: 1945437.1/91

- sign 1722.262 $\pm$ 0.237 χ^2 /NDF: 766431.0/46

asym_at2_dd_correction_mean vs Slug



Right In: 961.059+/-609.211 χ^2/NDF : 22.7/19

Left Out: 839.344+/-230.465 χ^2/NDF : 54.4/24

Right Out: 887.658+/-560.451 χ^2/NDF : 22.4/23

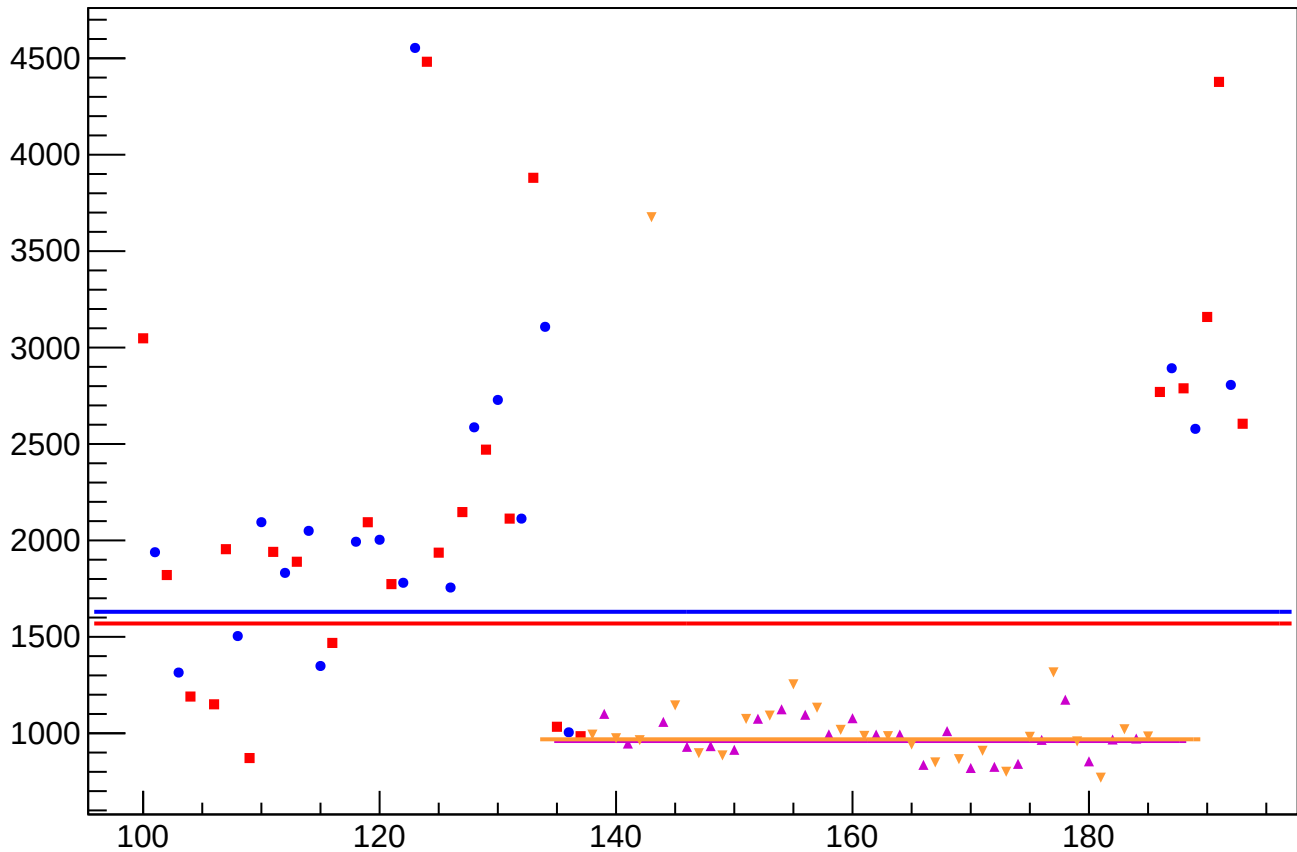
Left In: 298.801+/-231.400 χ^2/NDF : 18.3/22

+ sign 854.582+/-215.556 χ^2/NDF : 77.2/44

All: 617.745+/-151.827 χ^2/NDF : 121.3/91

- sign 384.564+/-213.886 χ^2/NDF : 41.7/46

asym_at2_dd_correction_rms vs Slug



Right In: 1629.870 $\pm$ 0.431 χ^2 /NDF: 1822462.7/19

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

Right Out: 1569.196 $\pm$ 0.396 χ^2 /NDF: 3006095.5/23

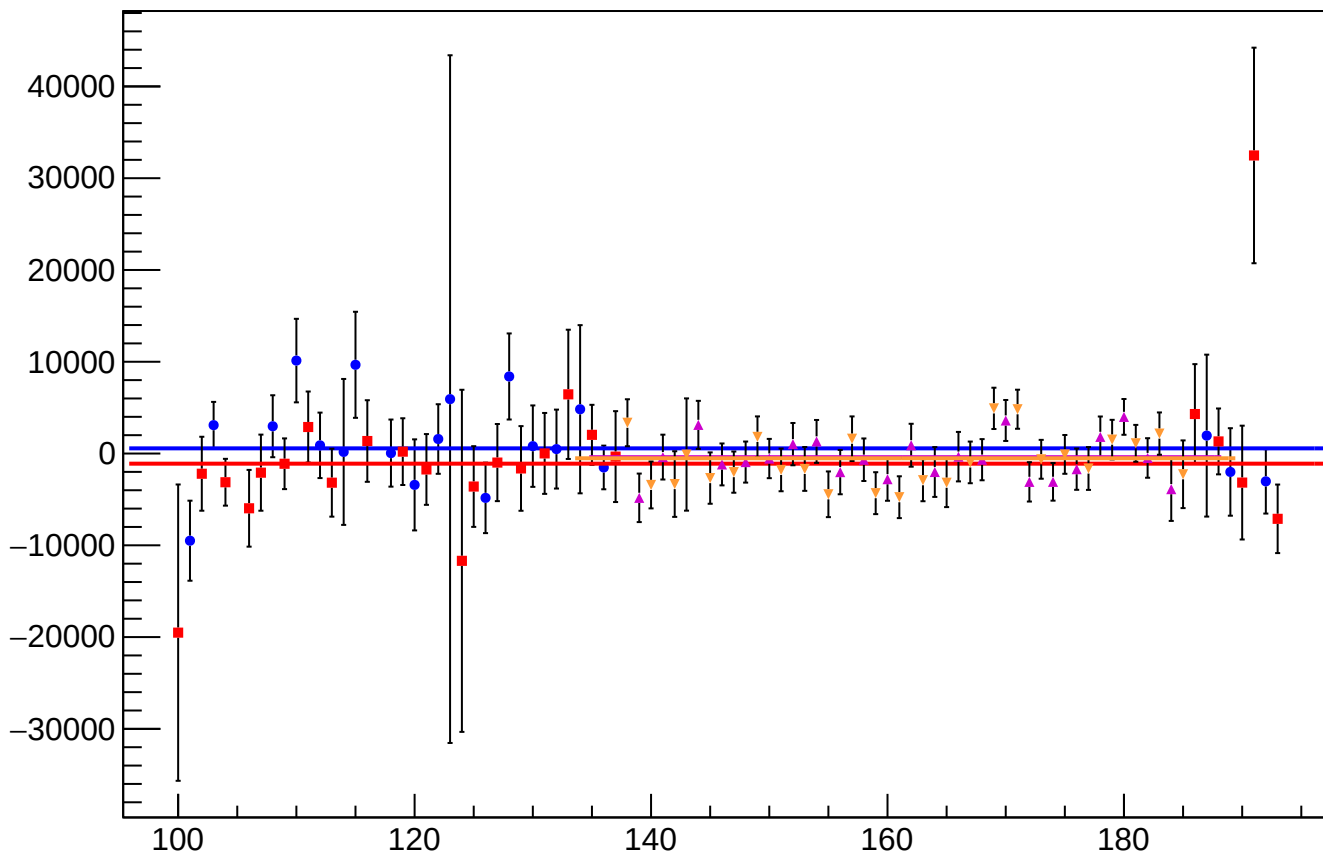
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1051.485 $\pm$ 0.152 χ^2 /NDF: 5276867.1/44

All: 1050.010 $\pm$ 0.107 χ^2 /NDF: 10674523.0/9

- sign 1048.558 $\pm$ 0.151 χ^2 /NDF: 5397470.1/46

asym_at2_dd_mean vs Slug



Right In: 563.951 ± 913.030 χ^2/NDF : 21.6/19

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -1104.573 ± 851.406 χ^2/NDF : 20.4/23

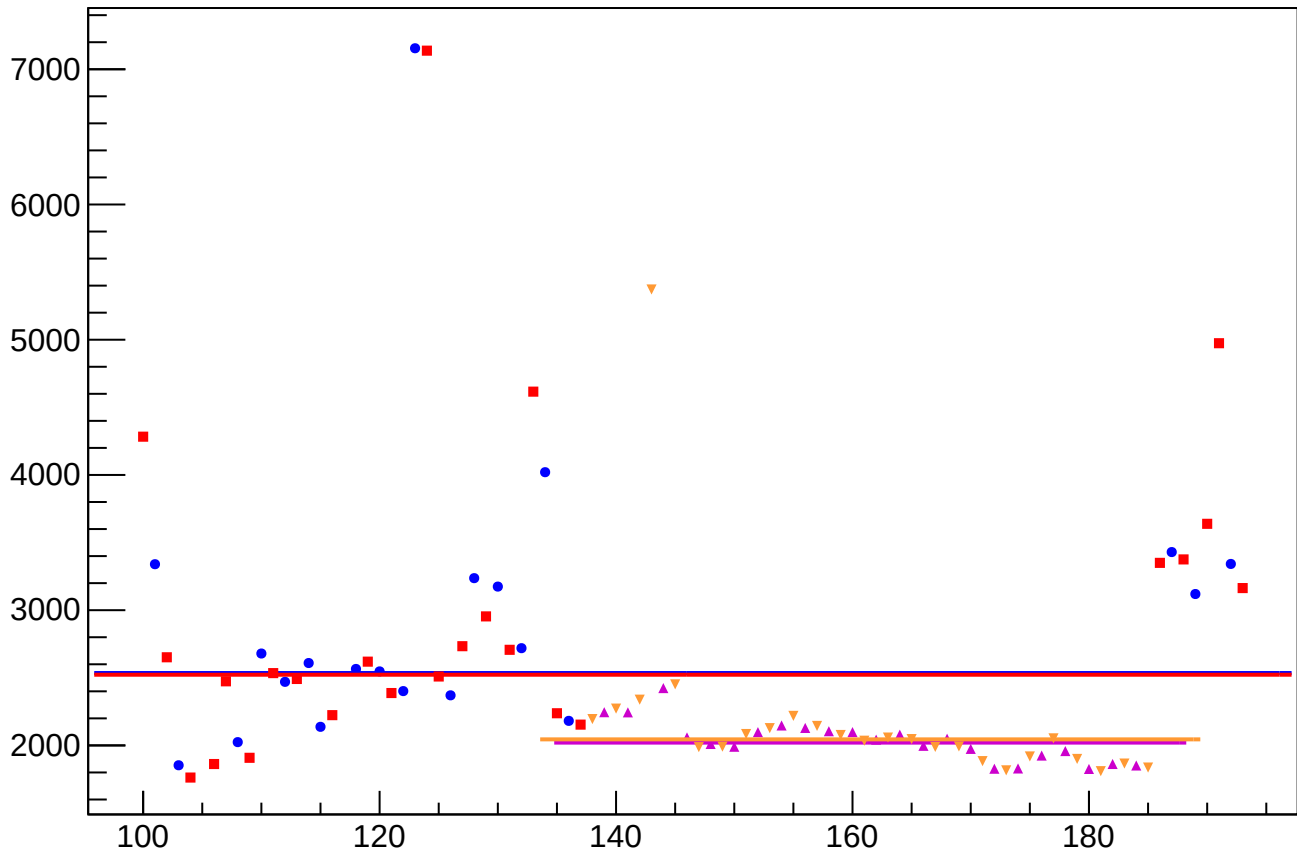
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -282.362 ± 425.894 χ^2/NDF : 56.8/44

All: -428.032 ± 299.570 χ^2/NDF : 99.7/91

- sign -570.679 ± 421.452 χ^2/NDF : 42.7/46

asym_at2_dd_rms vs Slug



Right In: 2535.188 $\pm$ 0.646 χ^2 /NDF: 651046.7/19

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2522.792 $\pm$ 0.602 χ^2 /NDF: 1087414.0/23

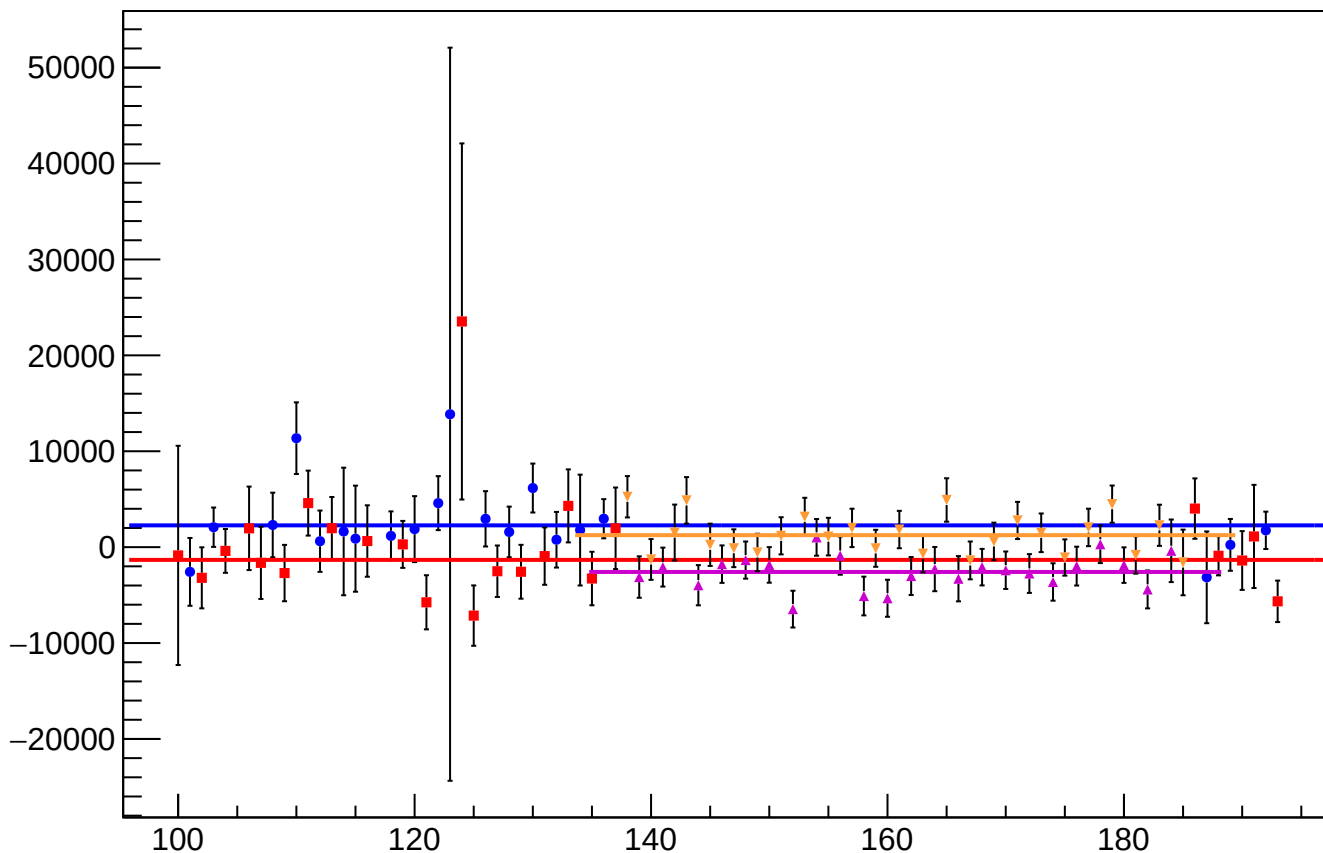
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2151.442 $\pm$ 0.301 χ^2 /NDF: 1891310.0/44

All: 2147.584 $\pm$ 0.212 χ^2 /NDF: 3677452.4/91

- sign 2143.806 $\pm$ 0.298 χ^2 /NDF: 1785817.5/46

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2271.891 ± 667.420 χ^2/NDF : 13.9/19

Left Out: 1249.917 ± 412.486 χ^2/NDF : 23.0/24

Right Out: -1328.101 ± 630.830 χ^2/NDF : 24.6/23

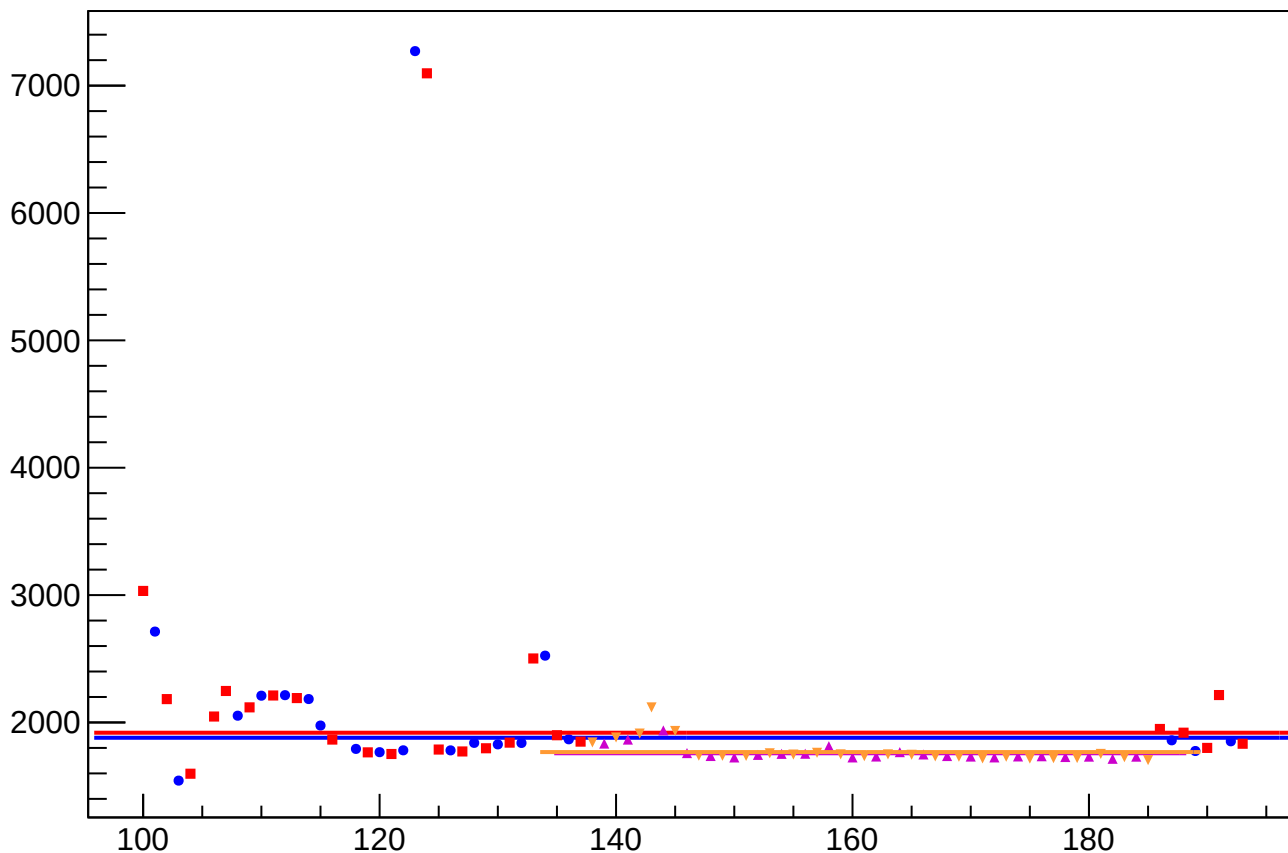
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1532.381 ± 350.882 χ^2/NDF : 38.6/44

All: -335.181 ± 247.966 χ^2/NDF : 140.0/91

- sign -2198.384 ± 350.472 χ^2/NDF : 44.8/46

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1879.905 ± 0.472 $\chi^2/\text{NDF}: 291695.4/19$

Left Out: 1767.517 ± 0.292 $\chi^2/\text{NDF}: 77674.7/24$

Right Out: 1919.414 ± 0.446 $\chi^2/\text{NDF}: 373086.3/23$

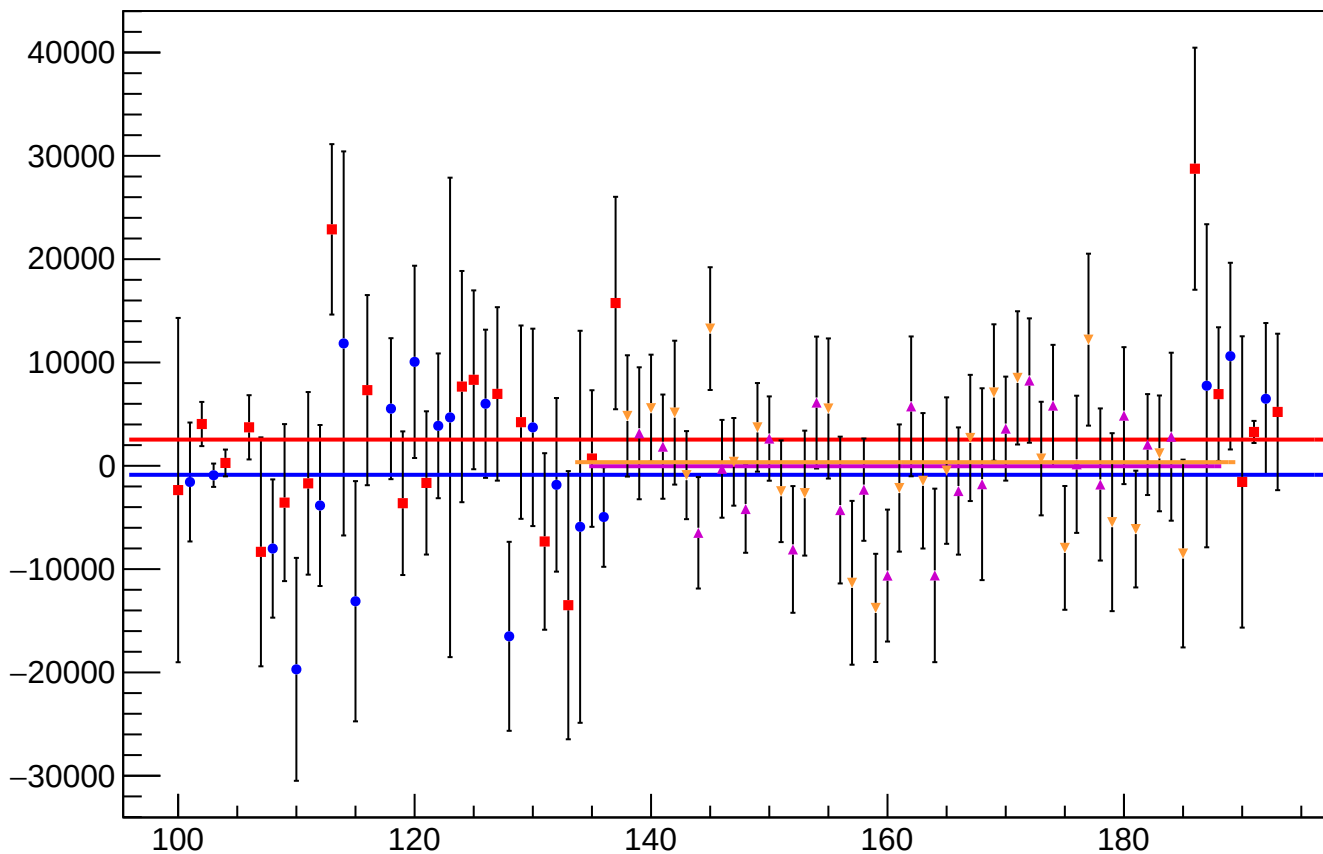
Left In: 1758.076 ± 0.298 $\chi^2/\text{NDF}: 29806.0/22$

+ sign 1798.580 ± 0.248 $\chi^2/\text{NDF}: 410407.2/44$

All: 1803.274 ± 0.175 $\chi^2/\text{NDF}: 904599.6/91$

- sign 1807.954 ± 0.248 $\chi^2/\text{NDF}: 493477.5/46$

asym_atl1r2_avg_correction_mean vs Slug



Right In: -871.574+/-968.959 χ^2/NDF : 16.5/19

Left Out: 351.227+/-1170.051 χ^2/NDF : 27.8/24

Right Out: 2537.245+/-697.783 χ^2/NDF : 24.8/23

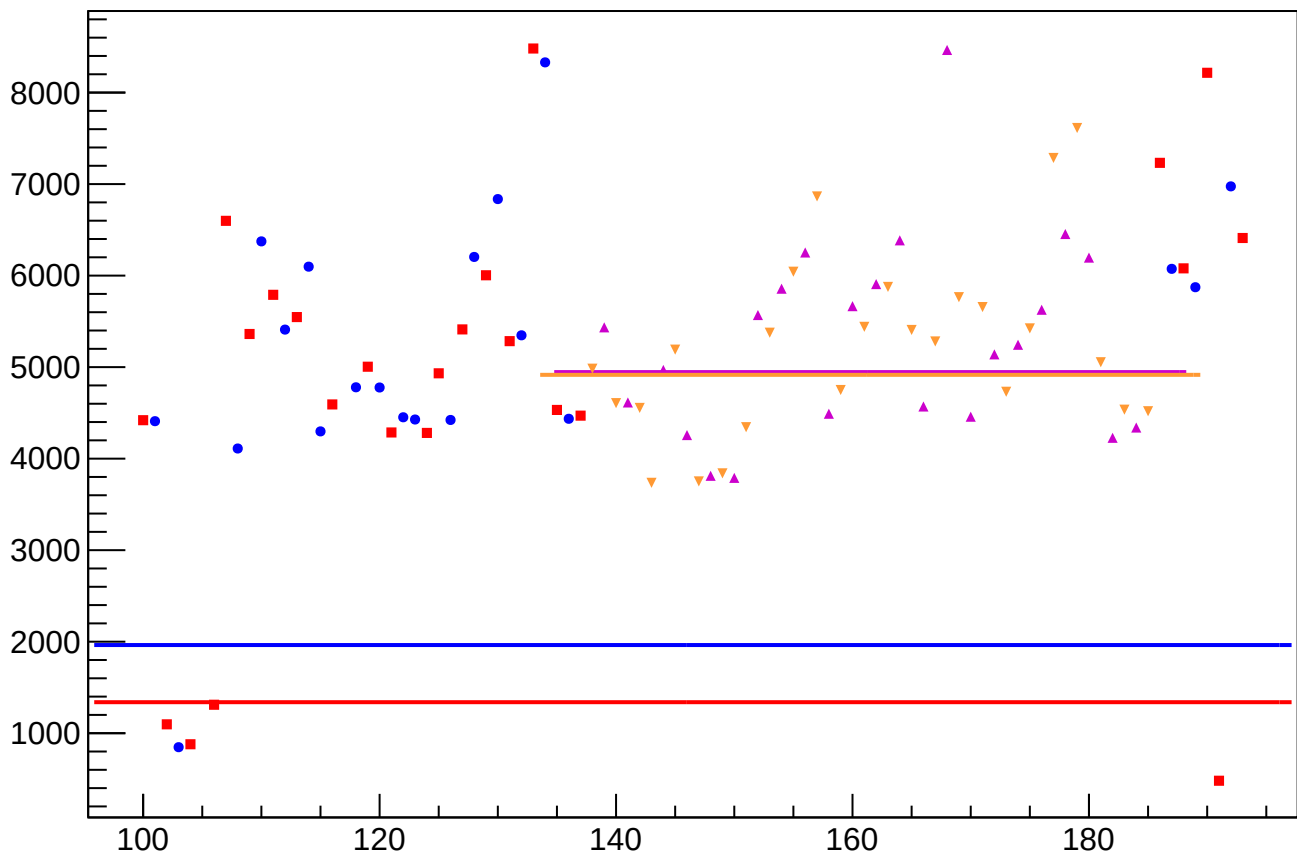
Left In: -40.618+/-1207.491 χ^2/NDF : 16.0/22

+ sign -374.124+/-746.280 χ^2/NDF : 45.0/44

All: 994.750+/-469.571 χ^2/NDF : 94.8/91

- sign 1891.896+/-604.159 χ^2/NDF : 44.3/46

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1963.403+/-0.685 χ^2/NDF : 7934222.1/19

Left Out: 4915.865+/-0.827 χ^2/NDF : 1186479.7/24

Right Out: 1338.912+/-0.493 χ^2/NDF : 10926943.7/23

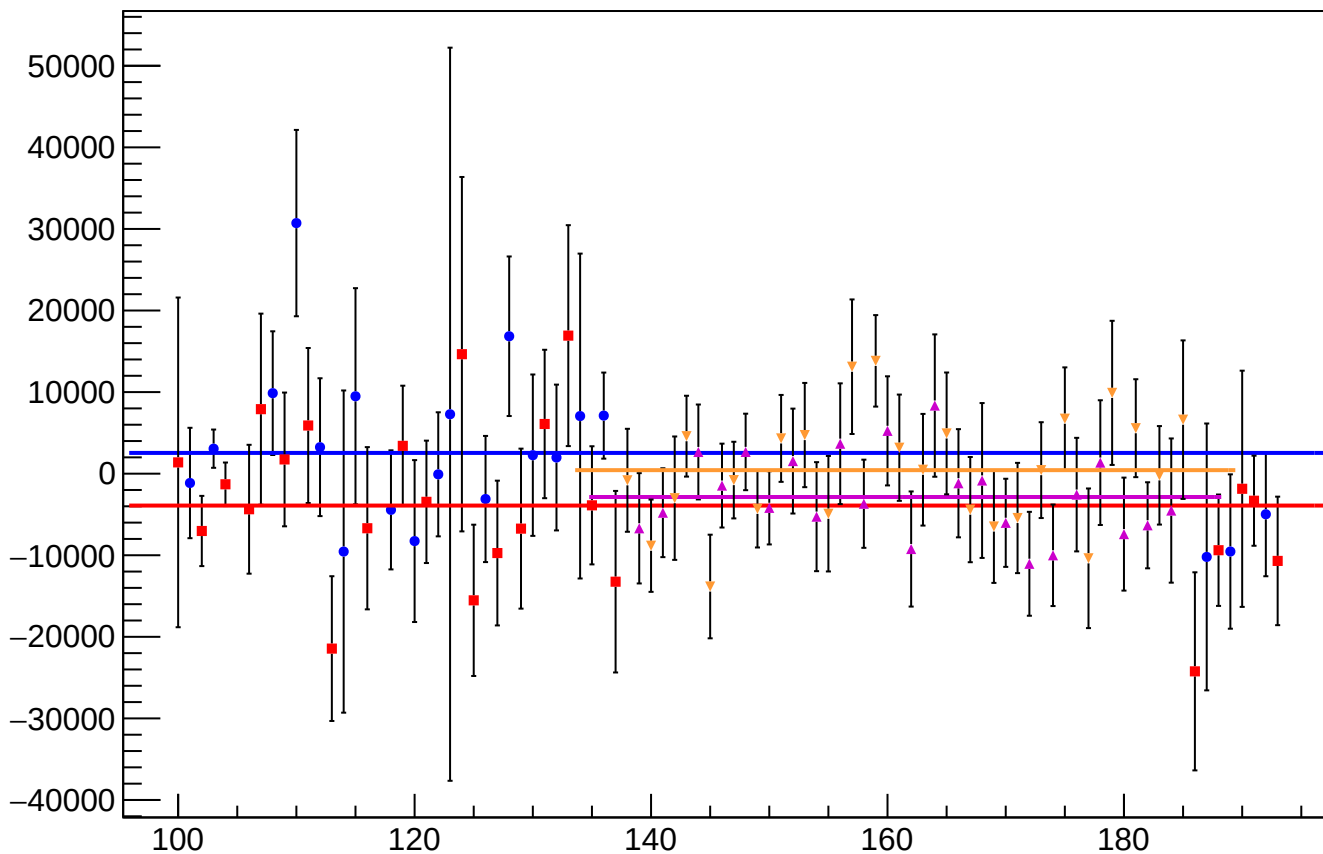
Left In: 4945.817+/-0.854 χ^2/NDF : 1188288.6/22

+ sign 3164.500+/-0.528 χ^2/NDF : 16674776.9/44

All: 2607.153+/-0.332 χ^2/NDF : 44014714.5/9

- sign 2241.875+/-0.427 χ^2/NDF : 25493321.7/46

asym_atl1r2_avg_mean vs Slug



Right In: 2544.117 $\pm$ 1546.069 χ^2 /NDF: 17.0/19

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -3909.501 $\pm$ 1460.705 χ^2 /NDF: 20.4/23

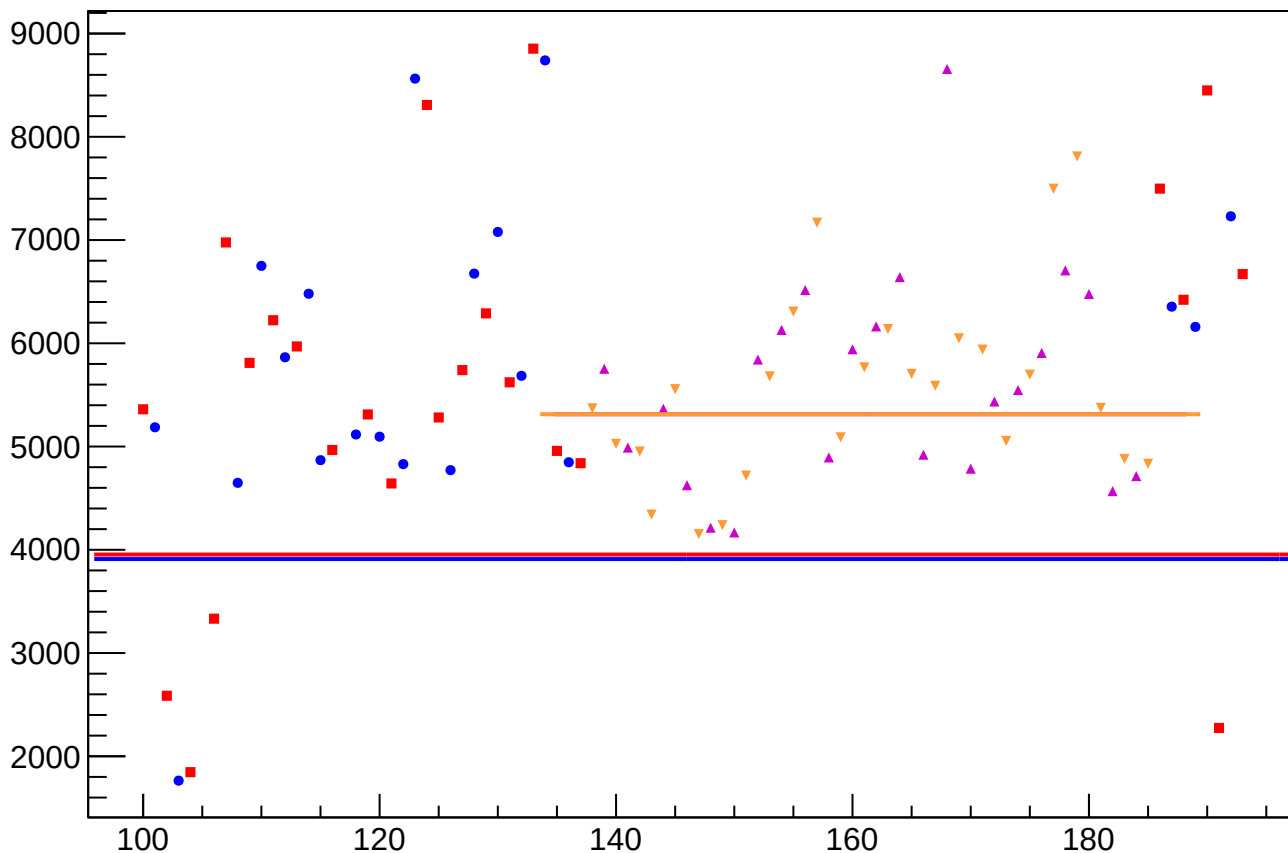
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1272.875 $\pm$ 975.917 χ^2 /NDF: 45.2/44

All: -1042.992 $\pm$ 687.224 χ^2 /NDF: 89.9/91

- sign -3320.943 $\pm$ 967.895 χ^2 /NDF: 33.5/46

asym_atl1r2_avg_rms vs Slug



Right In: 3910.306+/-1.093 χ^2/NDF : 3362992.3/19

Left Out: 5313.008+/-0.890 χ^2/NDF : 894369.8/24

Right Out: 3953.912+/-1.027 χ^2/NDF : 3778762.3/23

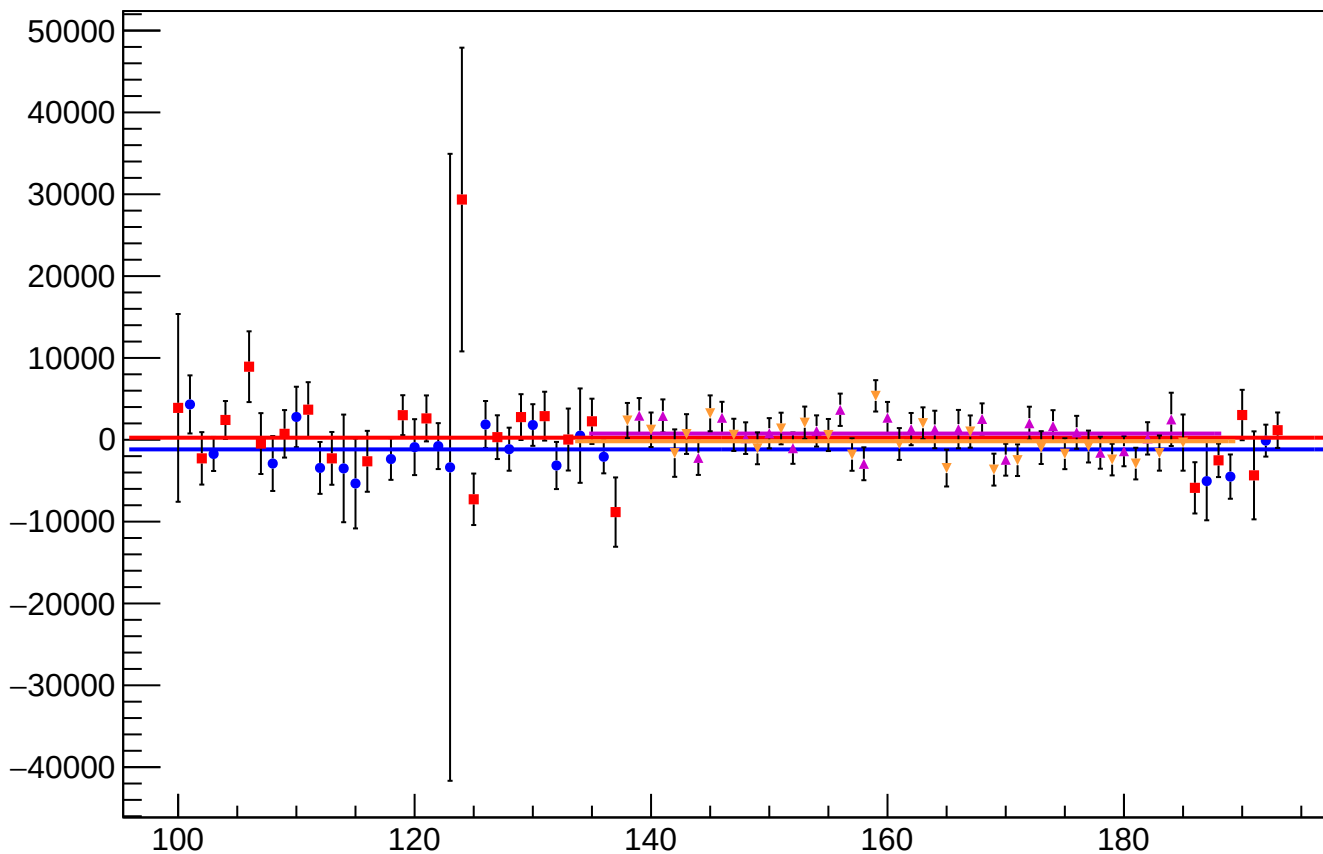
Left In: 5312.861+/-0.914 χ^2/NDF : 957400.7/22

+ sign 4754.109+/-0.690 χ^2/NDF : 5247689.3/44

All: 4733.079+/-0.485 χ^2/NDF : 10962712.5/95

- sign 4712.494+/-0.683 χ^2/NDF : 5713185.4/46

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1173.420 ± 665.935 χ^2/NDF : 11.1/19

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: 255.278 ± 629.687 χ^2/NDF : 32.2/23

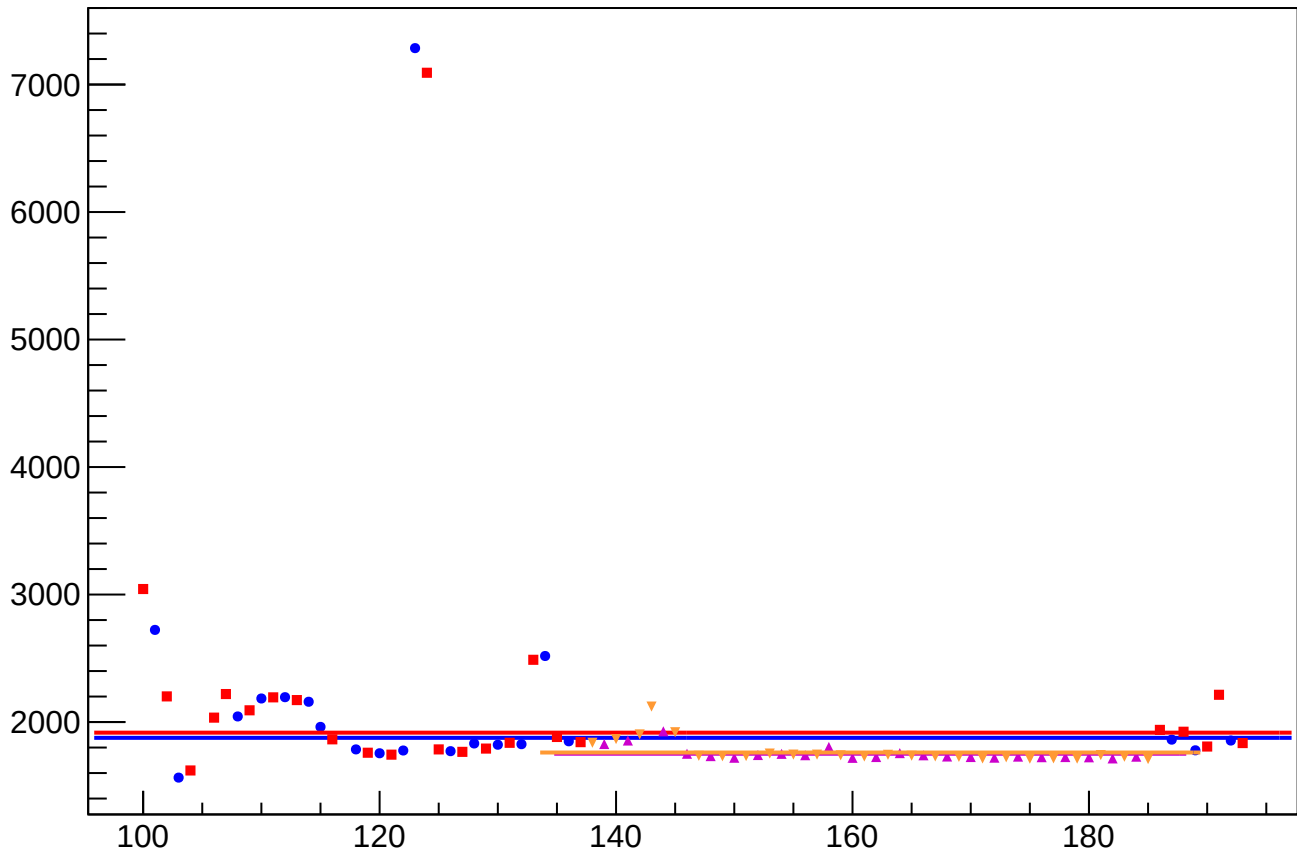
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -453.851 ± 349.737 χ^2/NDF : 41.9/44

All: 75.891 ± 247.165 χ^2/NDF : 99.4/91

- sign 604.472 ± 349.353 χ^2/NDF : 52.9/46

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1876.229+/-0.471 χ^2/NDF : 282461.0/19

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1916.802+/-0.445 χ^2/NDF : 361367.0/23

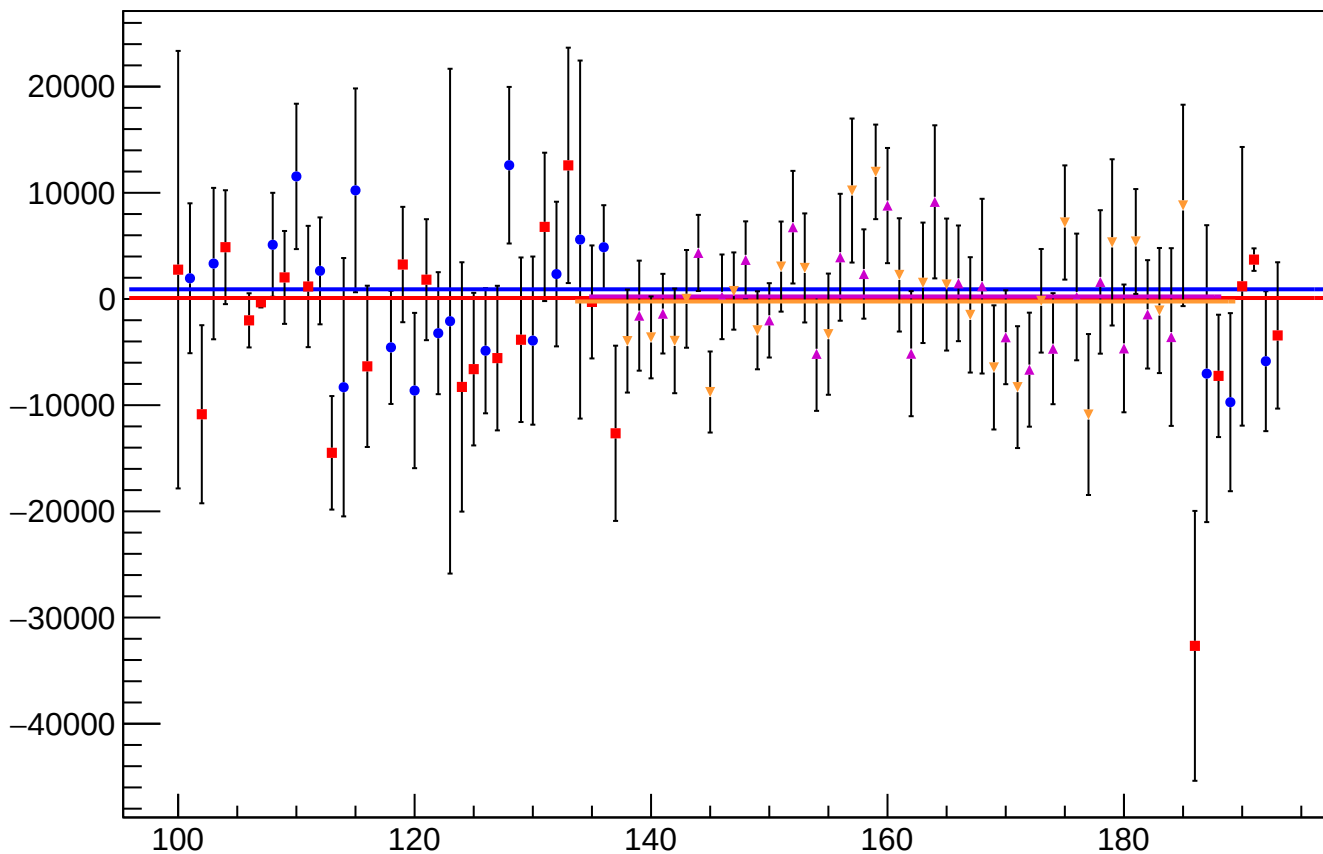
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1792.848+/-0.247 χ^2/NDF : 403226.5/44

All: 1797.633+/-0.175 χ^2/NDF : 889569.7/91

- sign 1802.405+/-0.247 χ^2/NDF : 485595.4/46

asym_atl1r2_dd_correction_mean vs Slug



Right In: 912.860 ± 1507.090 χ^2/NDF : 16.2/19

Left Out: -235.806 ± 1005.144 χ^2/NDF : 28.9/24

Right Out: 92.130 ± 414.861 χ^2/NDF : 39.8/23

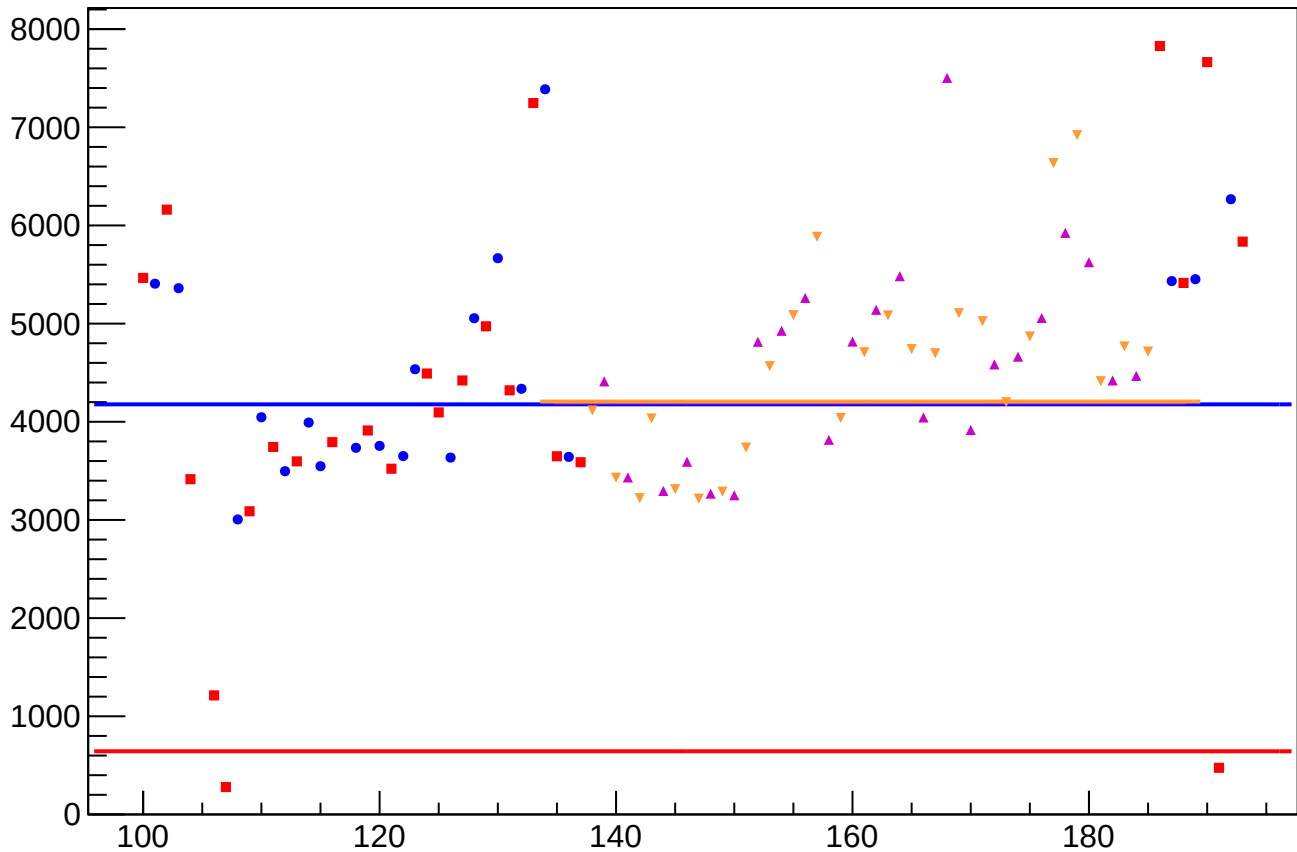
Left In: 239.224 ± 1028.883 χ^2/NDF : 15.3/22

+ sign 117.833 ± 836.223 χ^2/NDF : 45.4/44

All: 113.598 ± 349.536 χ^2/NDF : 100.6/91

- sign 112.701 ± 384.761 χ^2/NDF : 55.1/46

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4177.584+/-1.066 χ^2/NDF : 804288.8/19

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 643.407+/-0.293 χ^2/NDF : 13996640.8/23

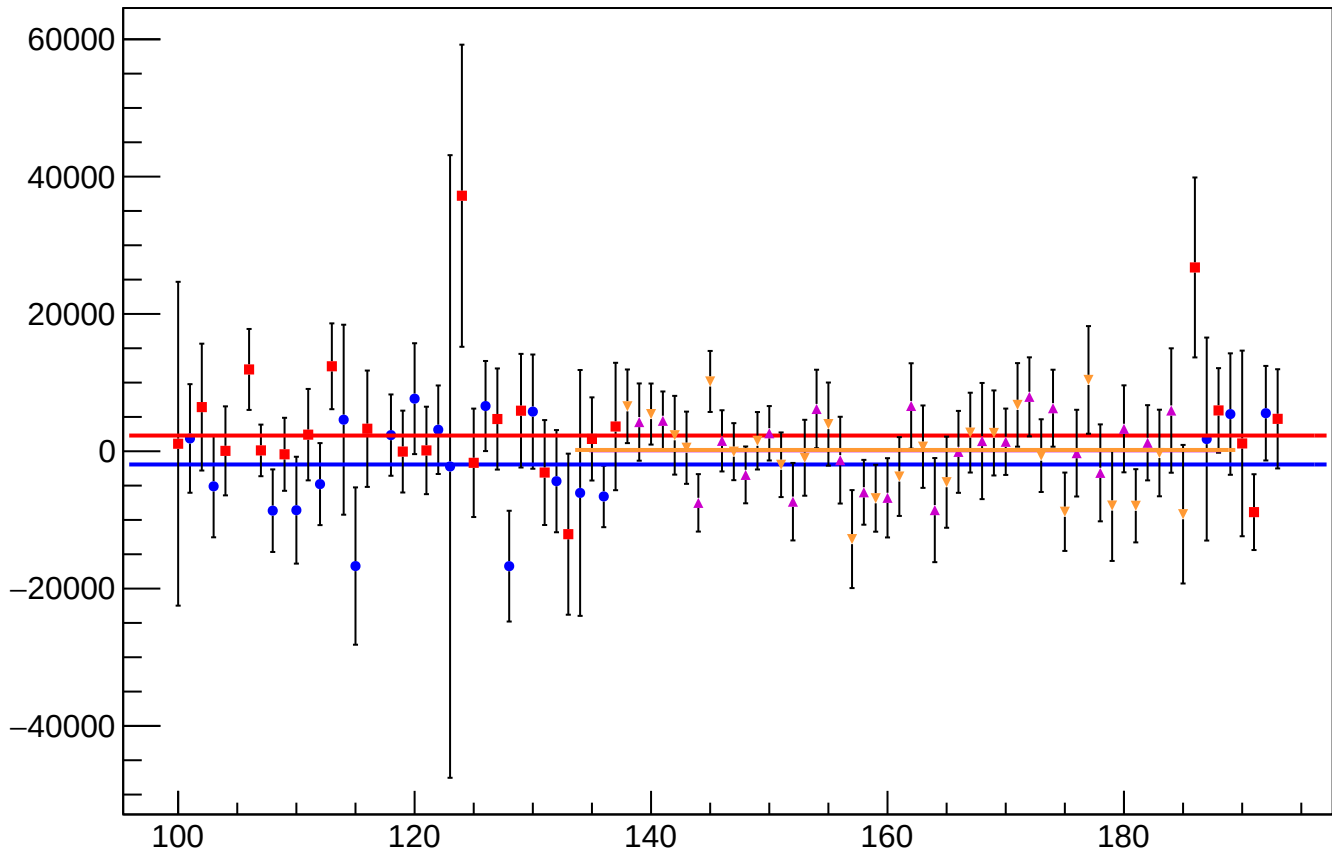
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4197.304+/-0.591 χ^2/NDF : 2247052.9/44

All: 1674.499+/-0.247 χ^2/NDF : 60296539.2/50

- sign 1140.400+/-0.272 χ^2/NDF : 35992253.6/46

asym_atl1r2_dd_mean vs Slug



Right In: -1924.579 ± 1690.086 χ^2/NDF : 16.1/19

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2289.852 ± 1426.760 χ^2/NDF : 19.6/23

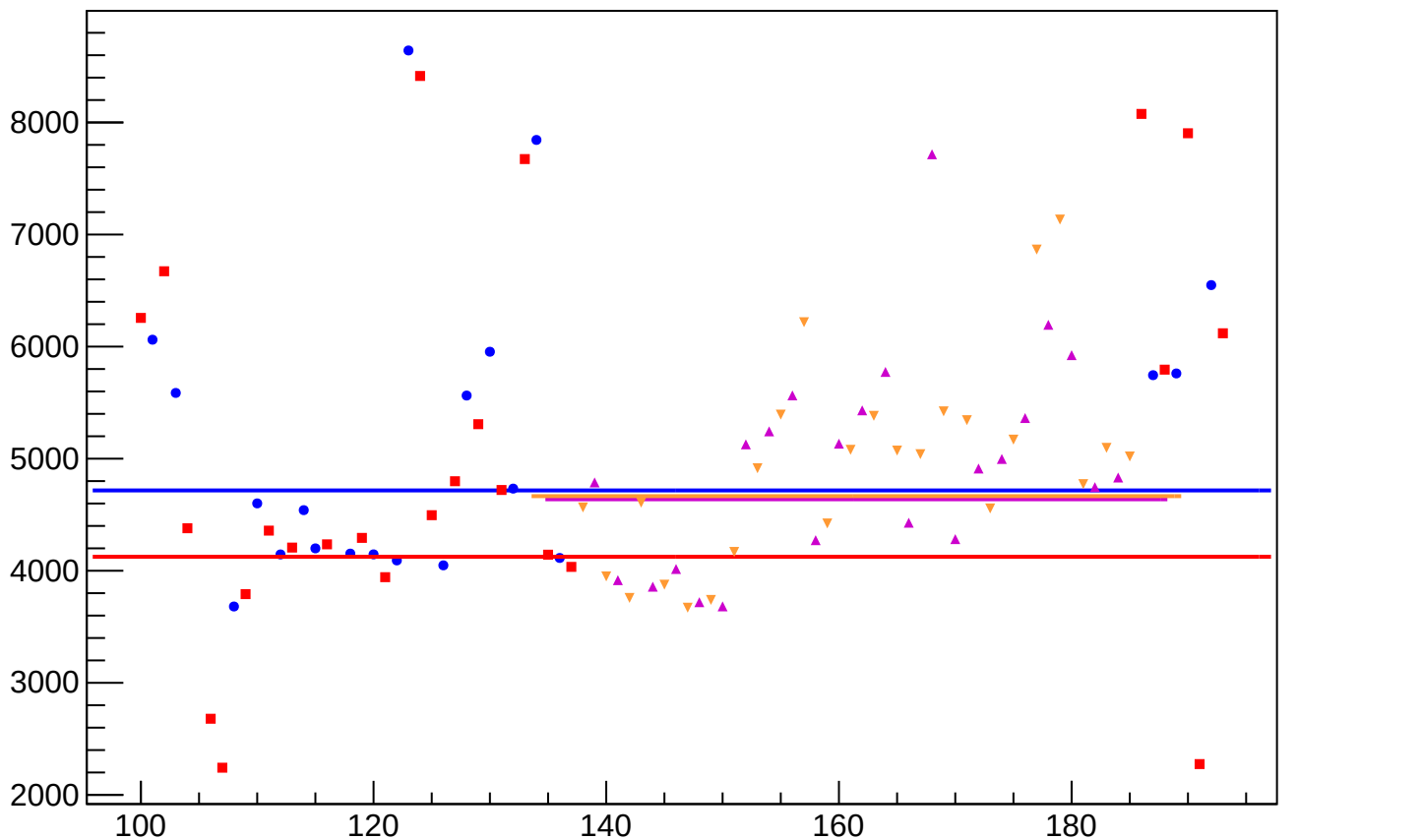
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -444.915 ± 925.950 χ^2/NDF : 42.2/44

All: 292.350 ± 640.026 χ^2/NDF : 83.0/91

- sign 966.851 ± 885.660 χ^2/NDF : 39.6/46

asym_atl1r2_dd_rms vs Slug



Right In: 4716.730+/-1.195 χ^2/NDF : 593040.5/19

Left Out: 4665.620+/-0.783 χ^2/NDF :1017235.0/24

Right Out: 4124.619+/-1.004 χ^2/NDF : 2025127.9/23

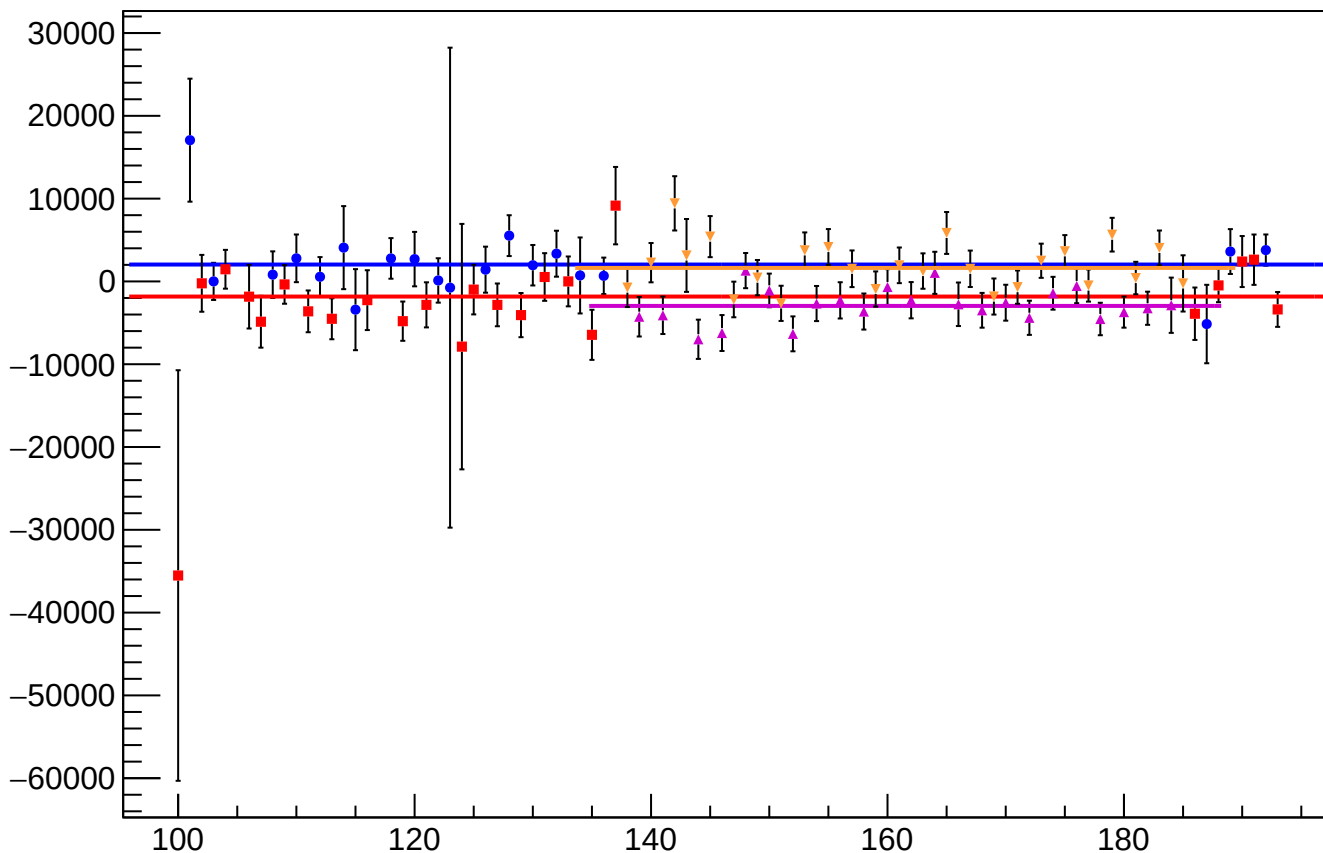
Left In: 4637.777+/-0.799 χ^2/NDF :1065217.2/22

+ sign 4680.961+/-0.655 χ^2/NDF : 1611555.5/44

All: 4554.231+/-0.452 χ^2/NDF : 4933558.8/91

- sign 4438.761+/-0.625 χ^2/NDF : 3250403.7/46

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2038.977 ± 641.733 χ^2/NDF : 13.9/19

Left Out: 1630.035 ± 447.063 χ^2/NDF : 35.4/24

Right Out: -1827.215 ± 586.528 χ^2/NDF : 24.2/23

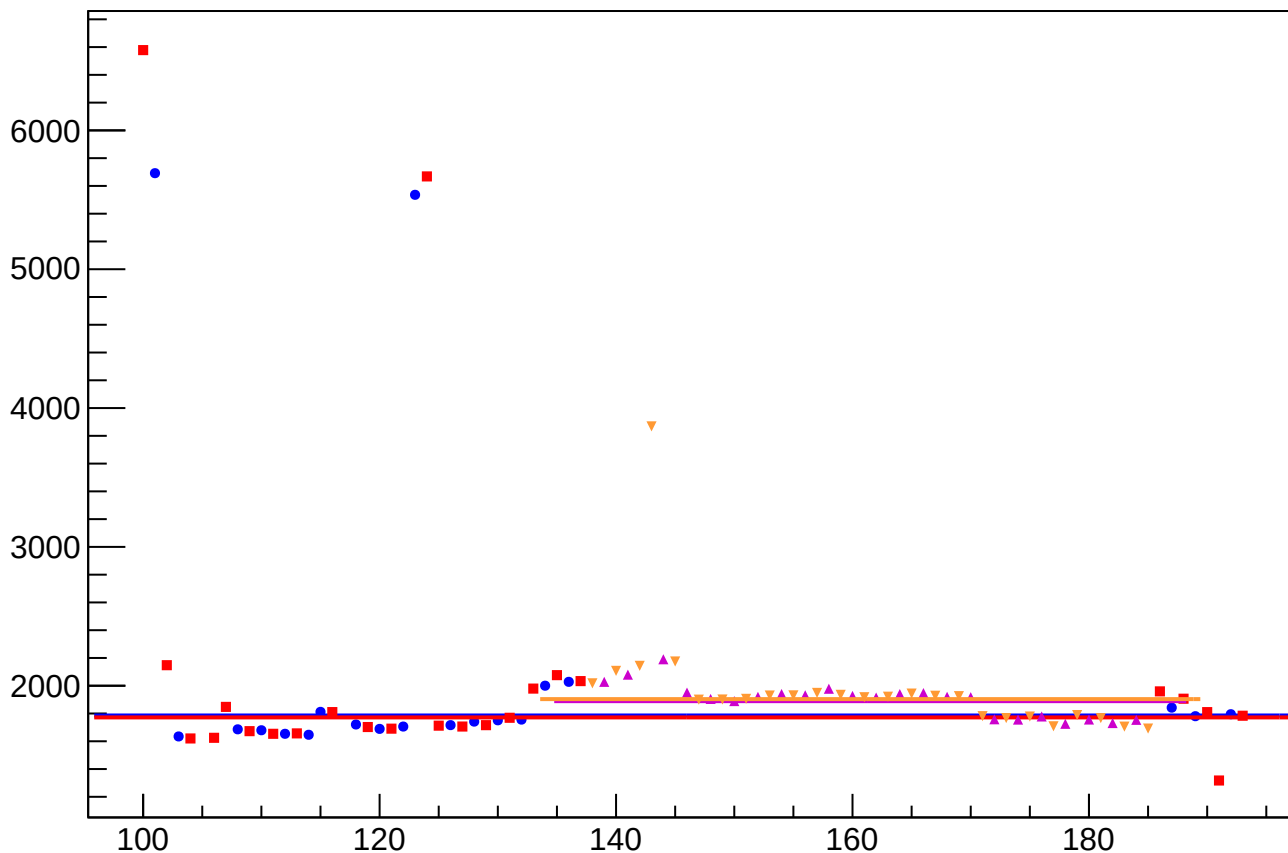
Left In: -2958.620 ± 453.688 χ^2/NDF : 20.4/22

+ sign 1763.655 ± 366.825 χ^2/NDF : 49.6/44

All: -432.893 ± 256.522 χ^2/NDF : 166.7/91

- sign -2535.084 ± 358.860 χ^2/NDF : 47.0/46

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1785.726 $\pm$ 0.454 χ^2 /NDF: 644985.0/19

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1771.834 $\pm$ 0.413 χ^2 /NDF: 366999.6/23

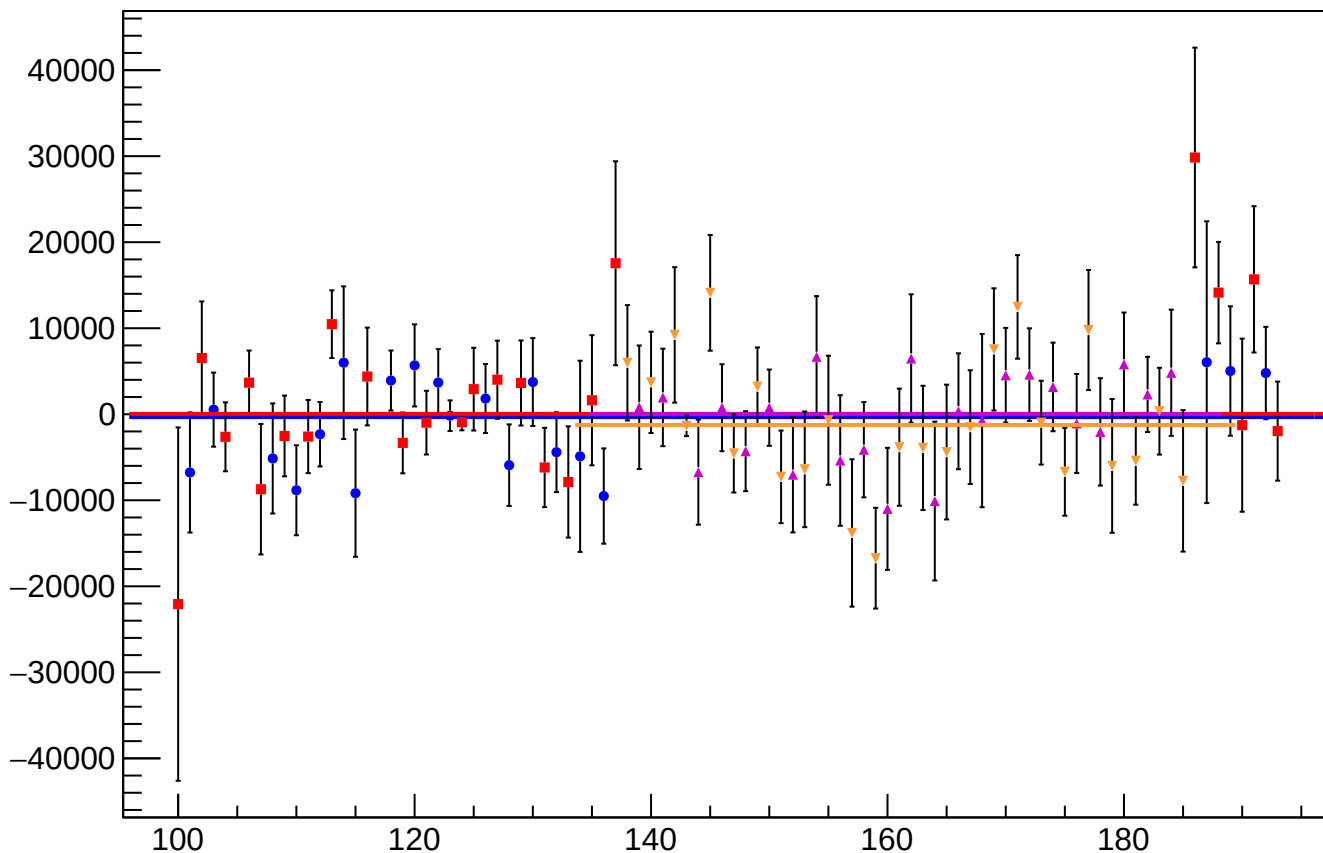
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1865.097 $\pm$ 0.259 χ^2 /NDF: 1232004.5/44

All: 1854.715 $\pm$ 0.181 χ^2 /NDF: 1778738.0/91

- sign 1844.816 $\pm$ 0.253 χ^2 /NDF: 543603.8/46

asym_atr1l2_avg_correction_mean vs Slug



Right In: -325.758+/-983.182 χ^2/NDF : 18.0/19

Left Out: -1239.833+/-865.201 χ^2/NDF : 33.9/24

Right Out: 37.710+/-709.471 χ^2/NDF : 37.1/23

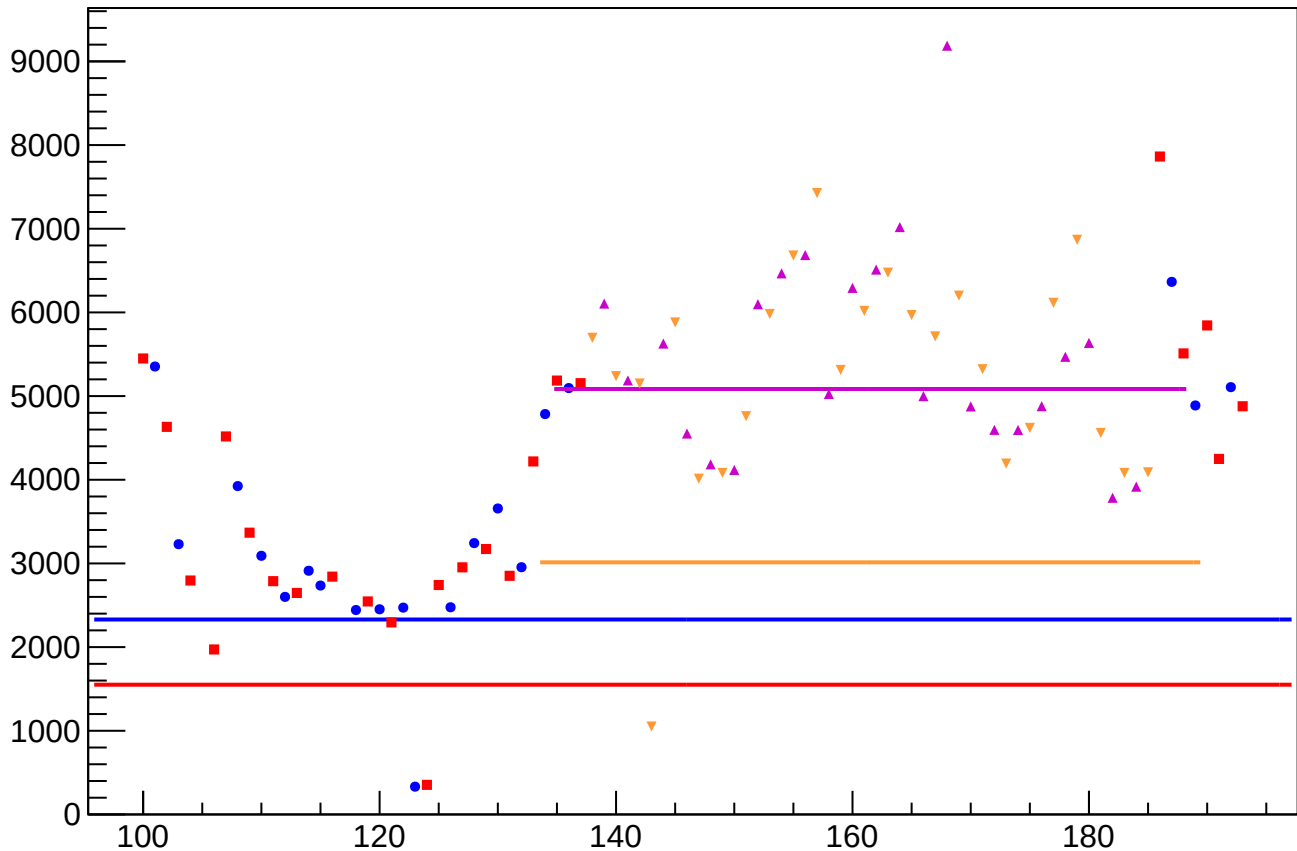
Left In: 15.863+/-1243.317 χ^2/NDF : 13.2/22

+ sign -840.903+/-649.518 χ^2/NDF : 52.4/44

All: -381.313+/-447.036 χ^2/NDF : 103.7/91

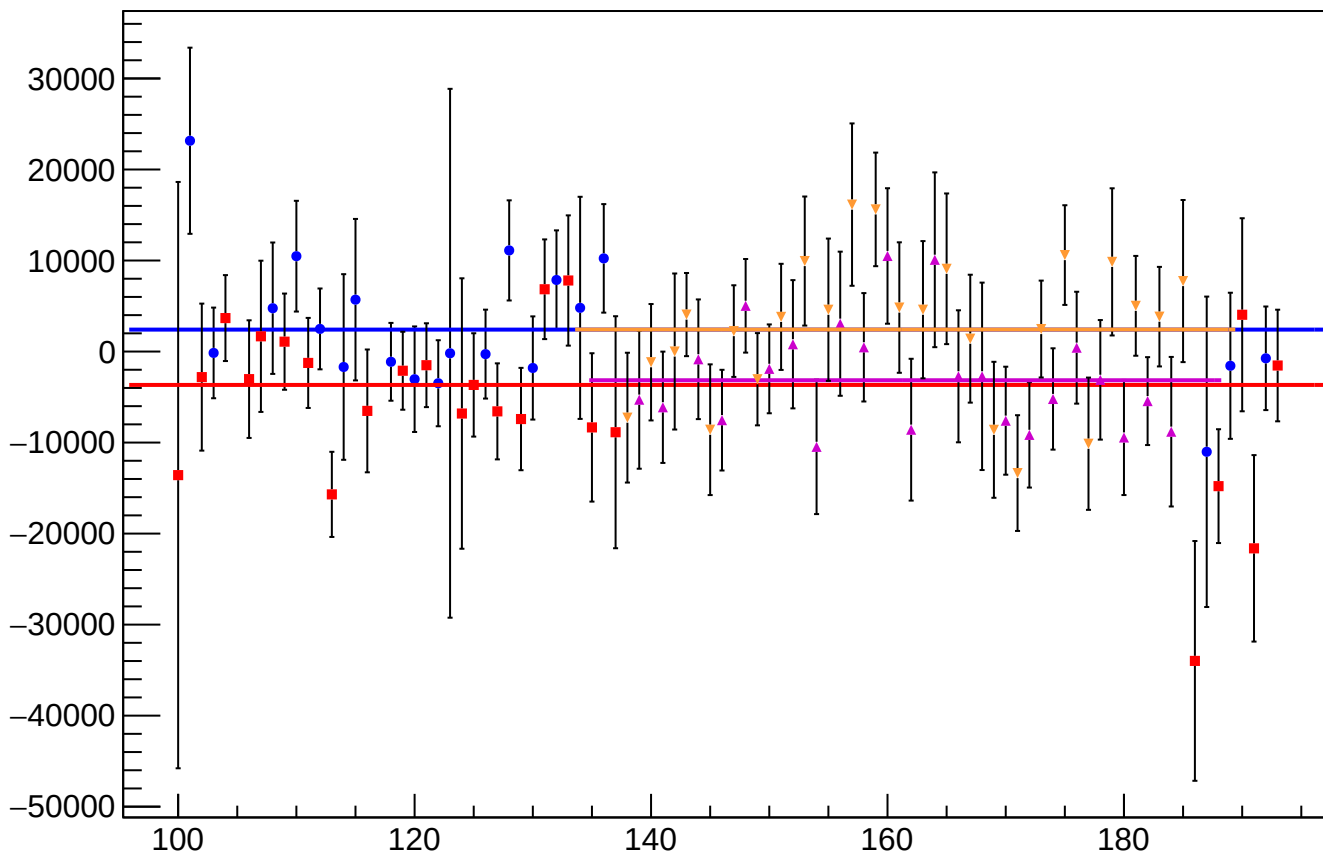
- sign 32.343+/-616.206 χ^2/NDF : 50.3/46

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2330.028+/-0.695	χ^2/NDF : 4916305.2/19	+ sign 2715.082+/-0.459	χ^2/NDF : 17731382.5/44
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2559.124+/-0.316	χ^2/NDF : 41023036.8/9
Right Out: 1550.697+/-0.502	χ^2/NDF : 9579958.2/23	- sign 2418.753+/-0.436	χ^2/NDF : 23072561.6/46
Left In: 5084.645+/-0.879	χ^2/NDF : 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2409.810 $\pm$ 1381.386 χ^2 /NDF: 17.0/19

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -3668.321 $\pm$ 1291.816 χ^2 /NDF: 30.9/23

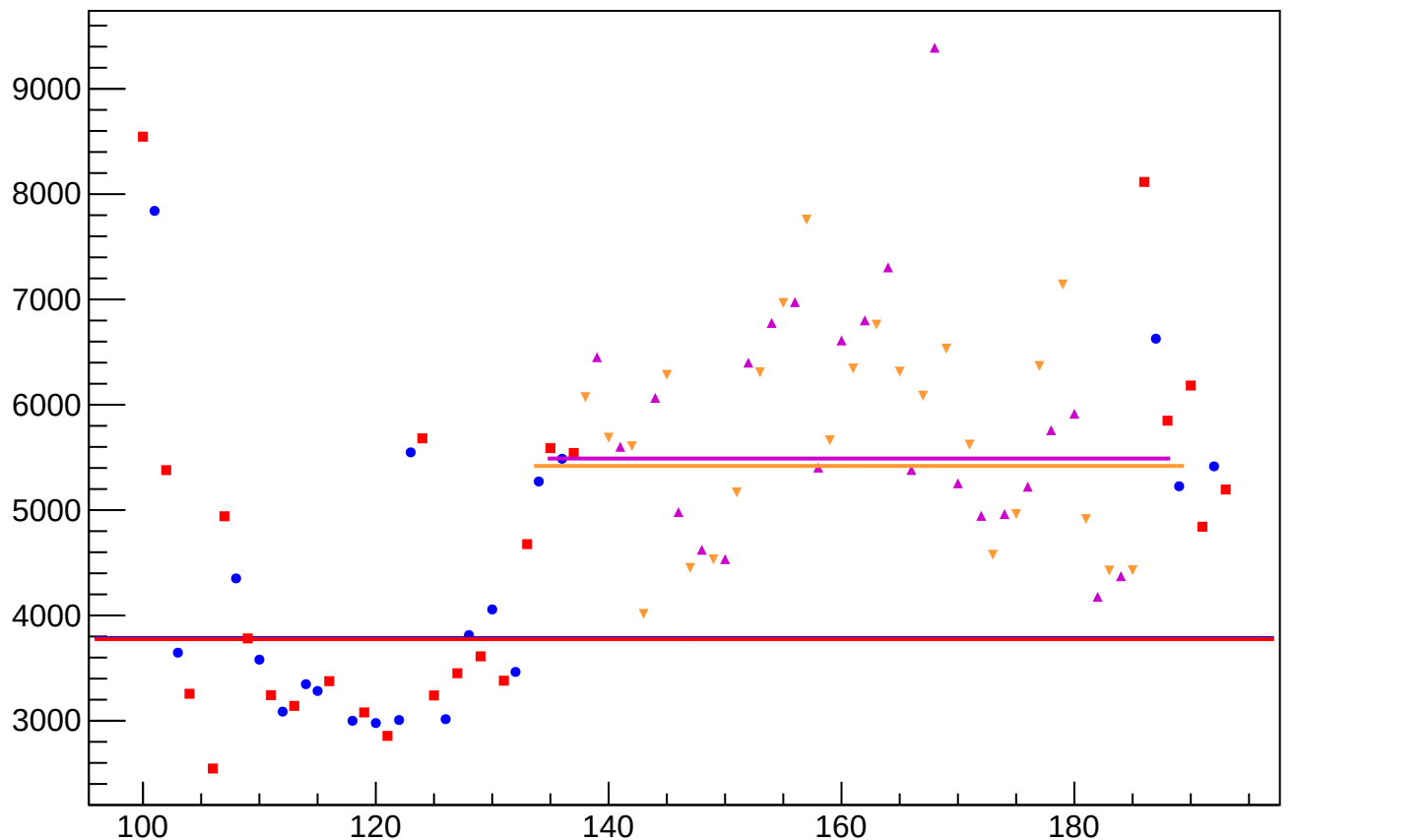
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2413.773 $\pm$ 941.445 χ^2 /NDF: 46.9/44

All: -541.382 $\pm$ 661.309 χ^2 /NDF: 112.7/91

- sign -3419.805 $\pm$ 929.142 χ^2 /NDF: 46.4/46

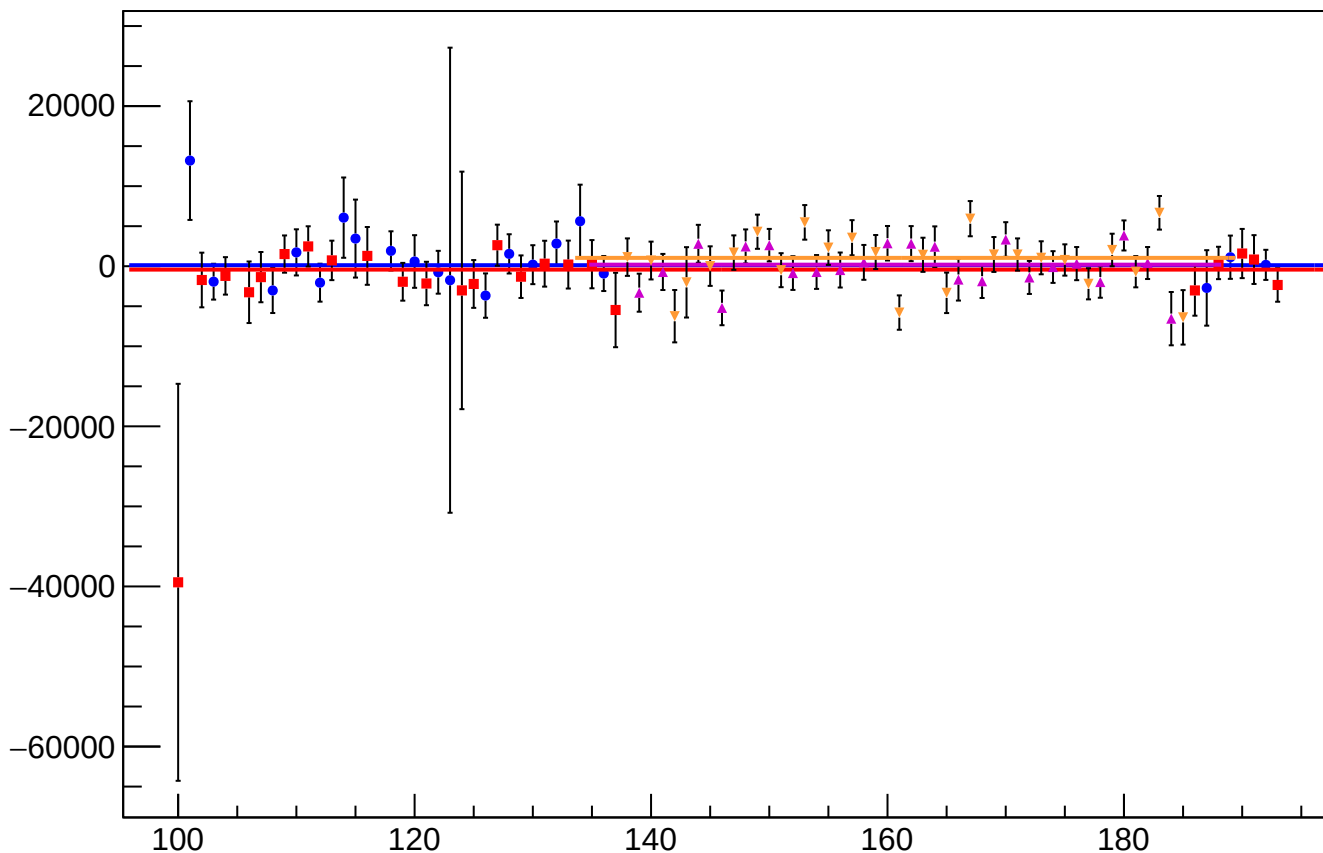
asym_atr1l2_avg_rms vs Slug



Right In: 3784.095 ± 0.977 χ^2/NDF : 1096518.5/19
 Left Out: 5419.305 ± 0.910 χ^2/NDF : 1109972.1/24
 Right Out: 3774.884 ± 0.902 χ^2/NDF : 1411907.5/23
 Left In: 5489.885 ± 0.946 χ^2/NDF : 1064353.3/22

+ sign 4659.791 ± 0.666 χ^2/NDF : 3707321.8/44
 All: 4625.306 ± 0.466 χ^2/NDF : 7910466.5/91
 - sign 4592.144 ± 0.653 χ^2/NDF : 4197880.7/46

reg_asym_atr1l2_dd_mean vs Slug



Right In: 126.336 $\pm$ 639.837 χ^2 /NDF: 14.2/19

Left Out: 1041.262 $\pm$ 446.249 χ^2 /NDF: 48.6/24

Right Out: -422.997 $\pm$ 584.615 χ^2 /NDF: 12.2/23

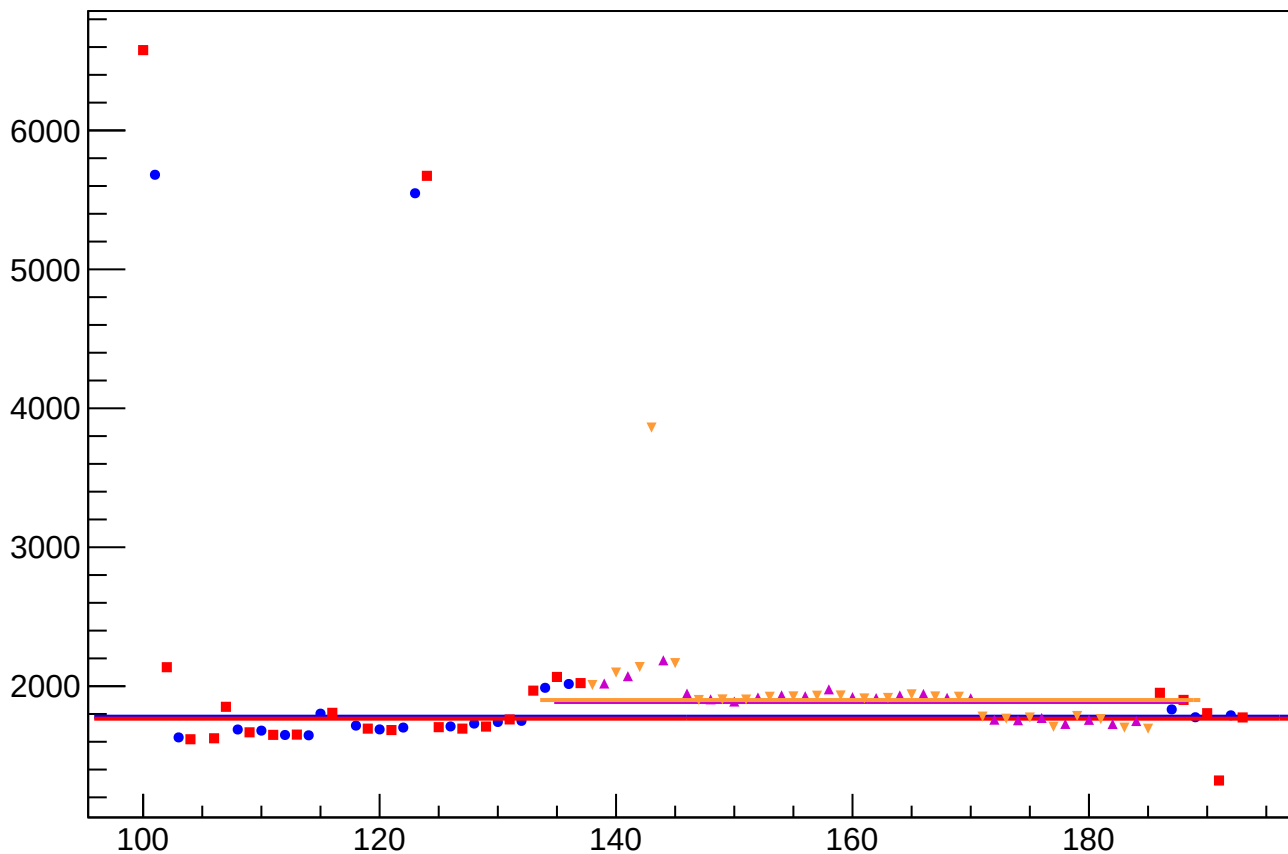
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF: 30.0/22

+ sign 741.857 $\pm$ 366.021 χ^2 /NDF: 64.2/44

All: 343.008 $\pm$ 255.972 χ^2 /NDF: 109.4/91

- sign -38.781 $\pm$ 358.108 χ^2 /NDF: 42.9/46

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1780.510 ± 0.452 χ^2/NDF : 643308.7/19

Left Out: 1900.295 ± 0.316 χ^2/NDF : 537892.5/24

Right Out: 1766.263 ± 0.411 χ^2/NDF : 364331.1/23

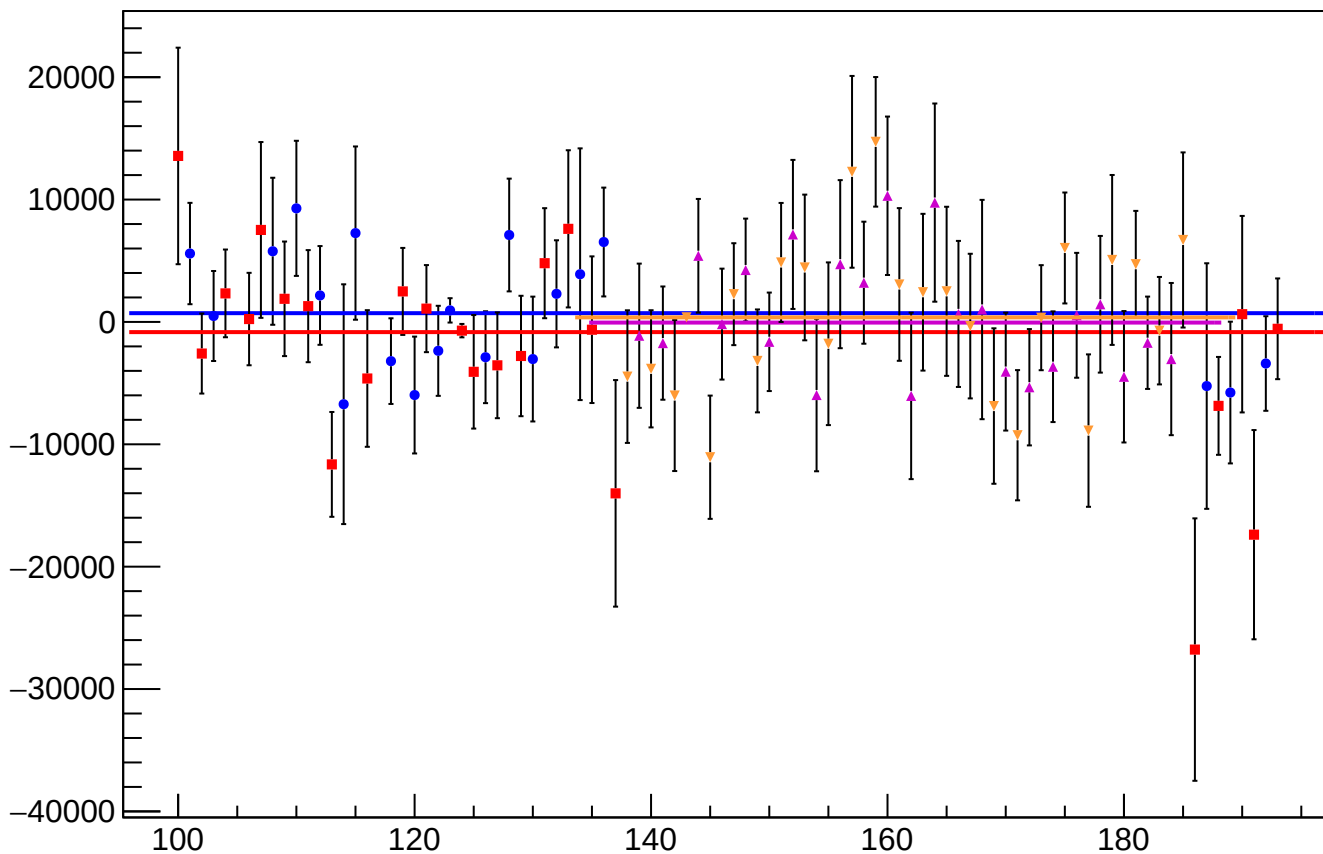
Left In: 1886.378 ± 0.320 χ^2/NDF : 123520.6/22

+ sign 1861.096 ± 0.259 χ^2/NDF : 1228358.8/44

All: 1850.822 ± 0.181 χ^2/NDF : 1772368.8/91

- sign 1841.025 ± 0.253 χ^2/NDF : 540931.7/46

asym_atr1l2_dd_correction_mean vs Slug



Right In: 716.242 $\pm$ 731.503 χ^2 /NDF: 18.1/19

Left Out: 373.277 $\pm$ 382.071 χ^2 /NDF:30.8/24

Right Out: -832.072 $\pm$ 479.253 χ^2 /NDF: 32.0/23

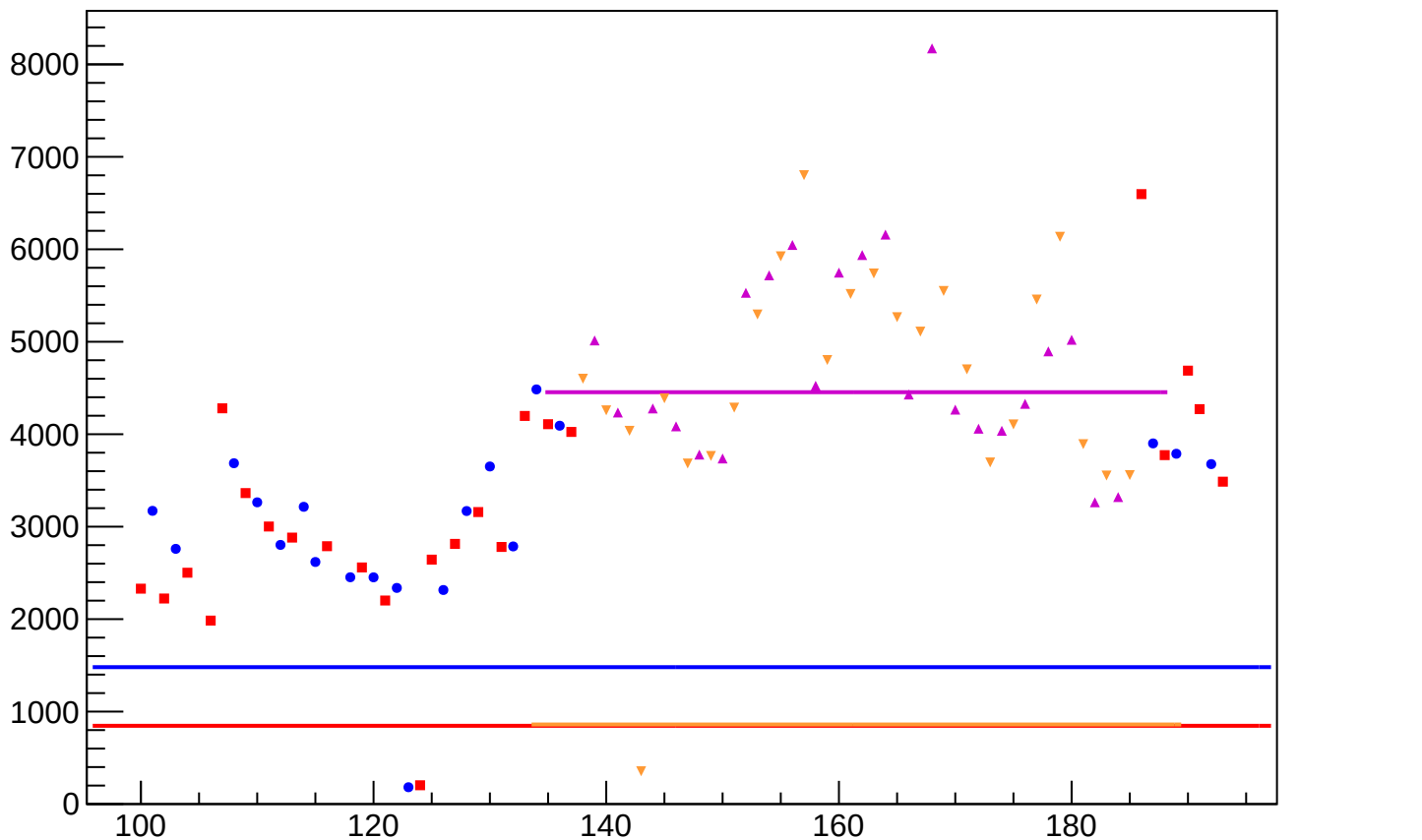
Left In: -53.099 $\pm$ 1089.888 χ^2 /NDF:14.5/22

+ sign 446.787 $\pm$ 338.659 χ^2 /NDF: 49.1/44

All: 16.400 $\pm$ 268.078 χ^2 /NDF: 100.4/91

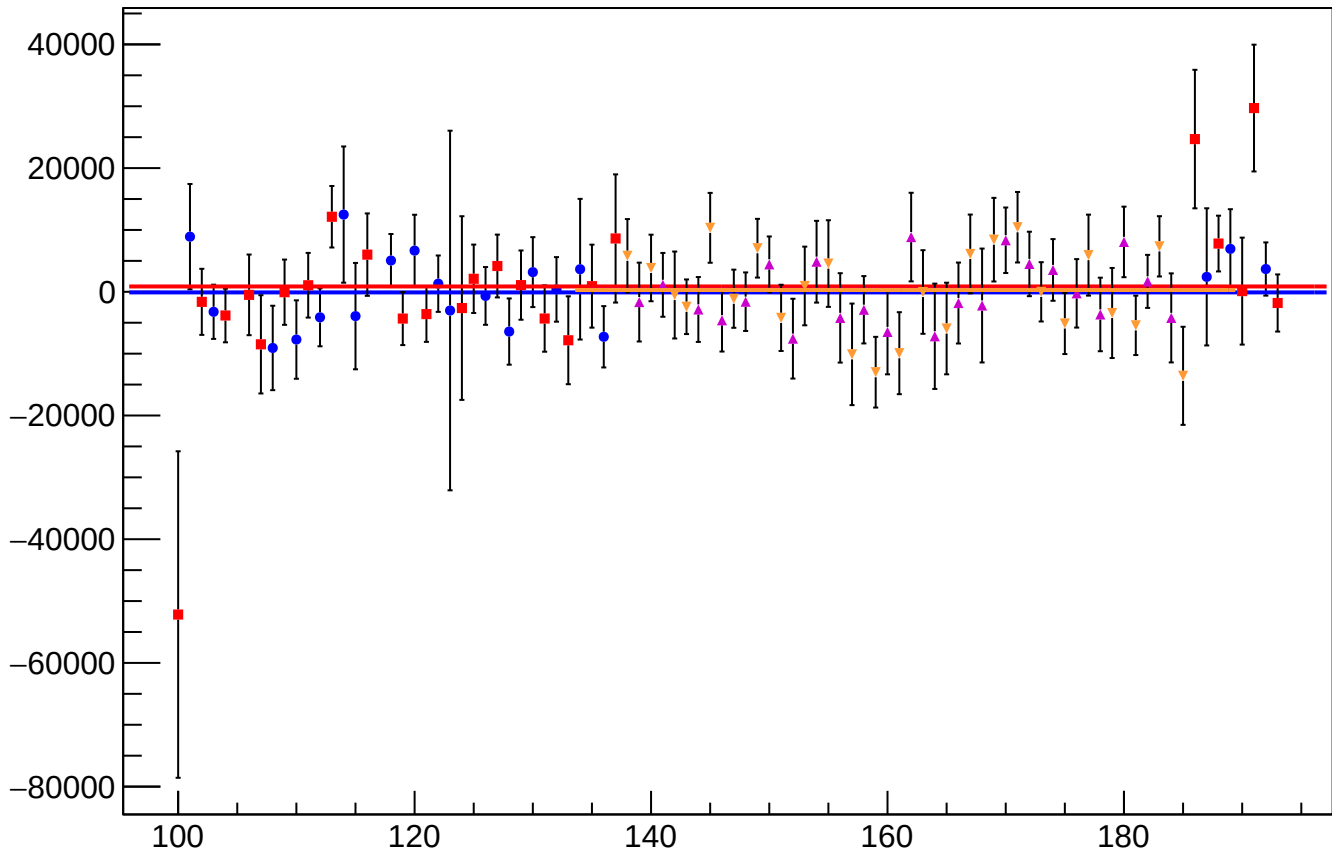
- sign -705.855 $\pm$ 438.711 χ^2 /NDF: 47.0/46

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1480.599+/-0.517	χ^2/NDF : 7980533.6/19	+ sign 993.445+/-0.239	χ^2/NDF : 35449638.4/44
Left Out: 860.545+/-0.270	χ^2/NDF : 26340106.5/24	All: 1156.853+/-0.190	χ^2/NDF : 69257222.2/5
Right Out: 846.488+/-0.339	χ^2/NDF : 12845069.0/23	- sign 1431.077+/-0.310	χ^2/NDF : 32560523.7/46
Left In: 4454.402+/-0.771	χ^2/NDF : 1349758.1/22		

asym_atr1l2_dd_mean vs Slug



Right In: -97.331 ± 1294.596 χ^2/NDF : 16.0/19

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 863.730 ± 1204.401 χ^2/NDF : 33.8/23

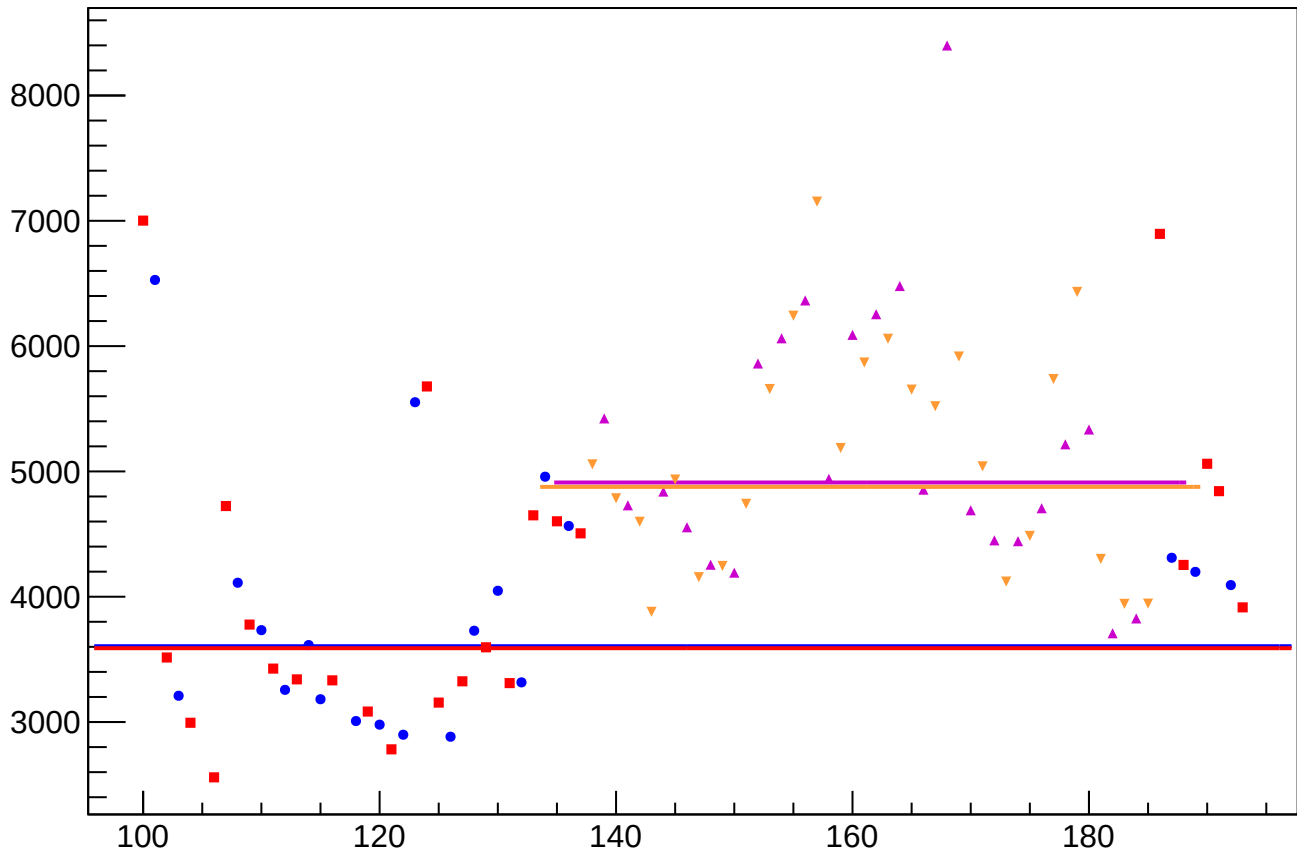
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign 117.436 ± 862.026 χ^2/NDF : 48.4/44

All: 360.586 ± 604.763 χ^2/NDF : 97.1/91

- sign 596.252 ± 848.658 χ^2/NDF : 48.5/46

asym_atr1l2_dd_rms vs Slug



Right In: 3604.973+/-0.915 χ^2/NDF : 620276.0/19

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3589.217+/-0.843 χ^2/NDF : 782951.8/23

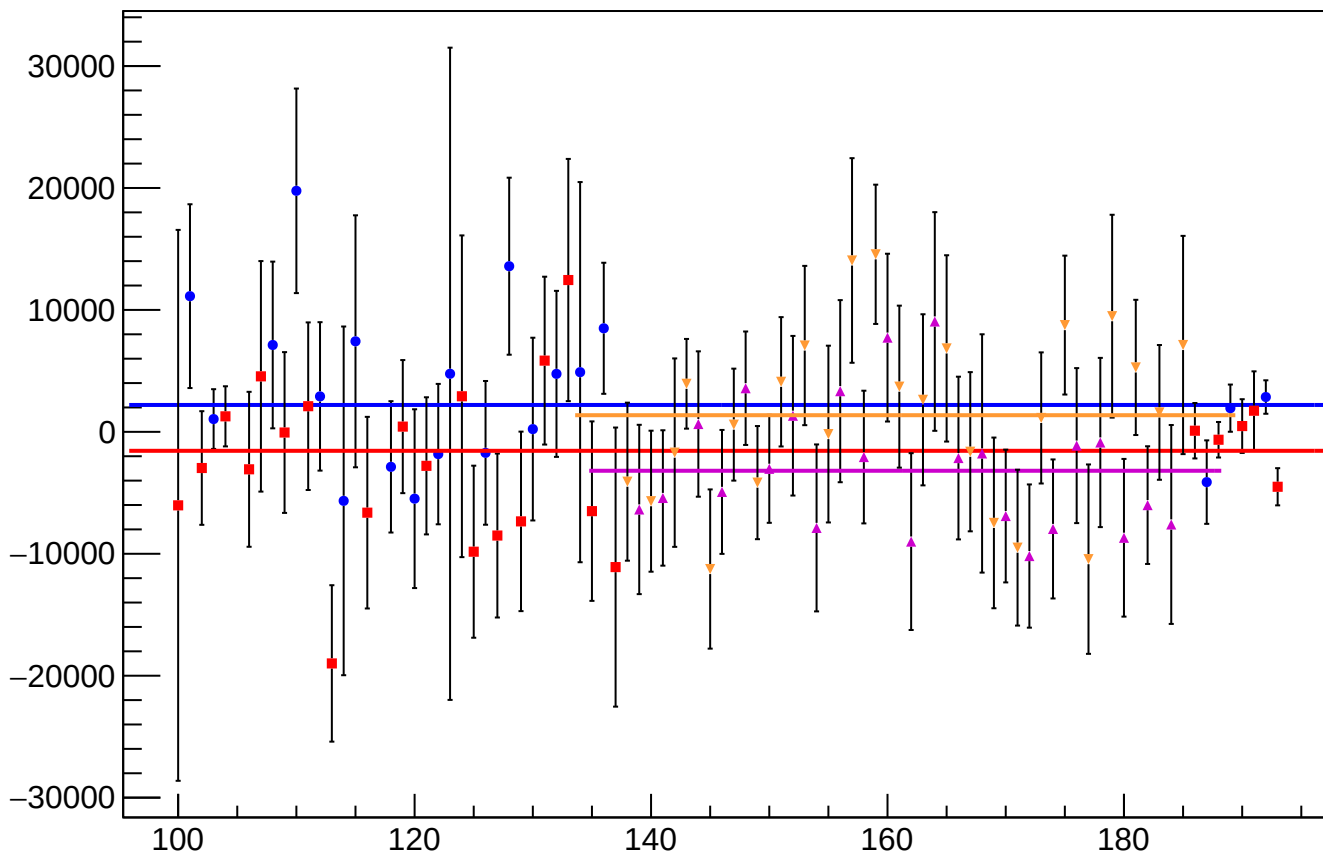
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4312.767+/-0.610 χ^2/NDF : 2666845.0/44

All: 4279.664+/-0.426 χ^2/NDF : 5725677.3/91

- sign 4247.920+/-0.597 χ^2/NDF : 3053054.6/46

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2205.007 $\pm$ 859.110 χ^2 /NDF: 17.8/19

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1554.929 $\pm$ 721.945 χ^2 /NDF: 24.2/23

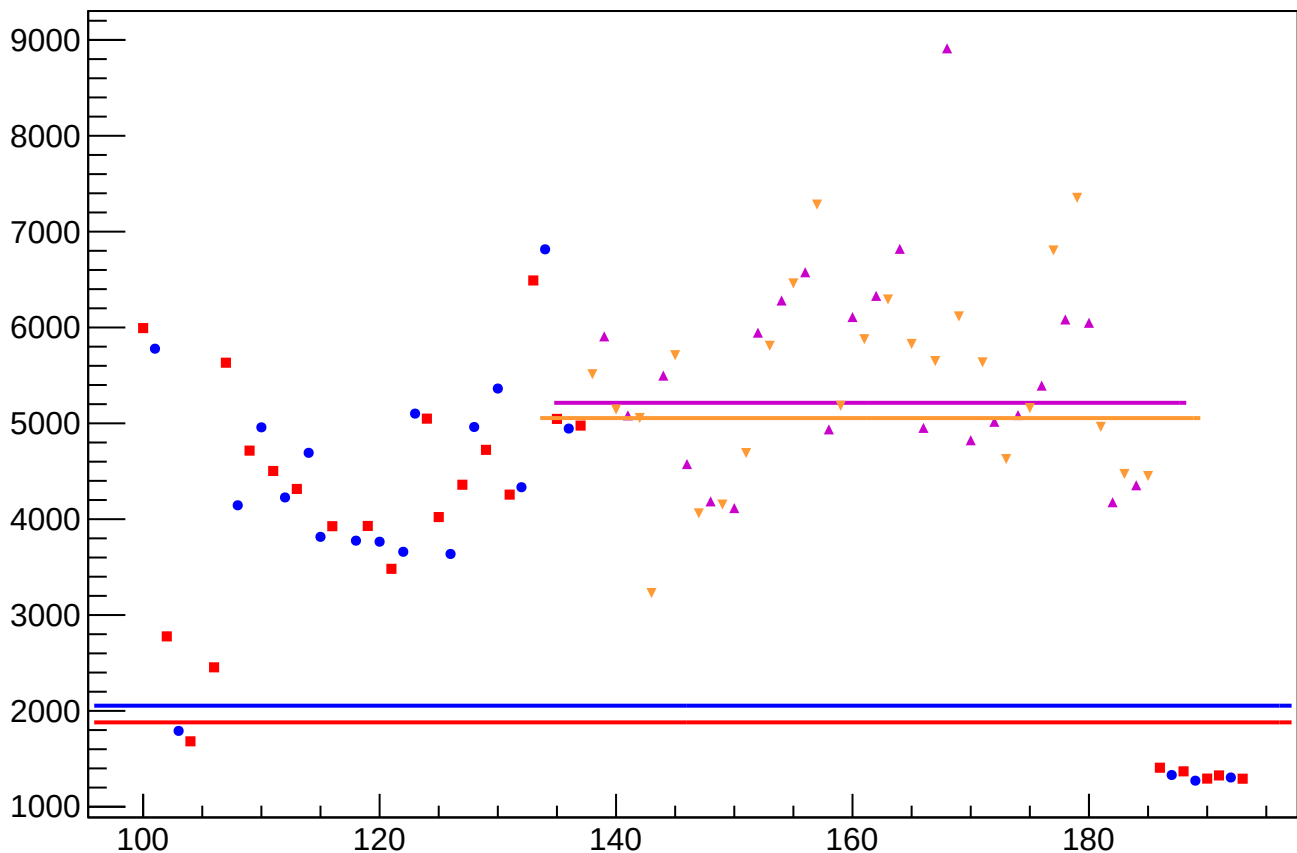
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1922.344 $\pm$ 699.774 χ^2 /NDF: 46.0/44

All: -226.188 $\pm$ 467.231 χ^2 /NDF: 102.5/91

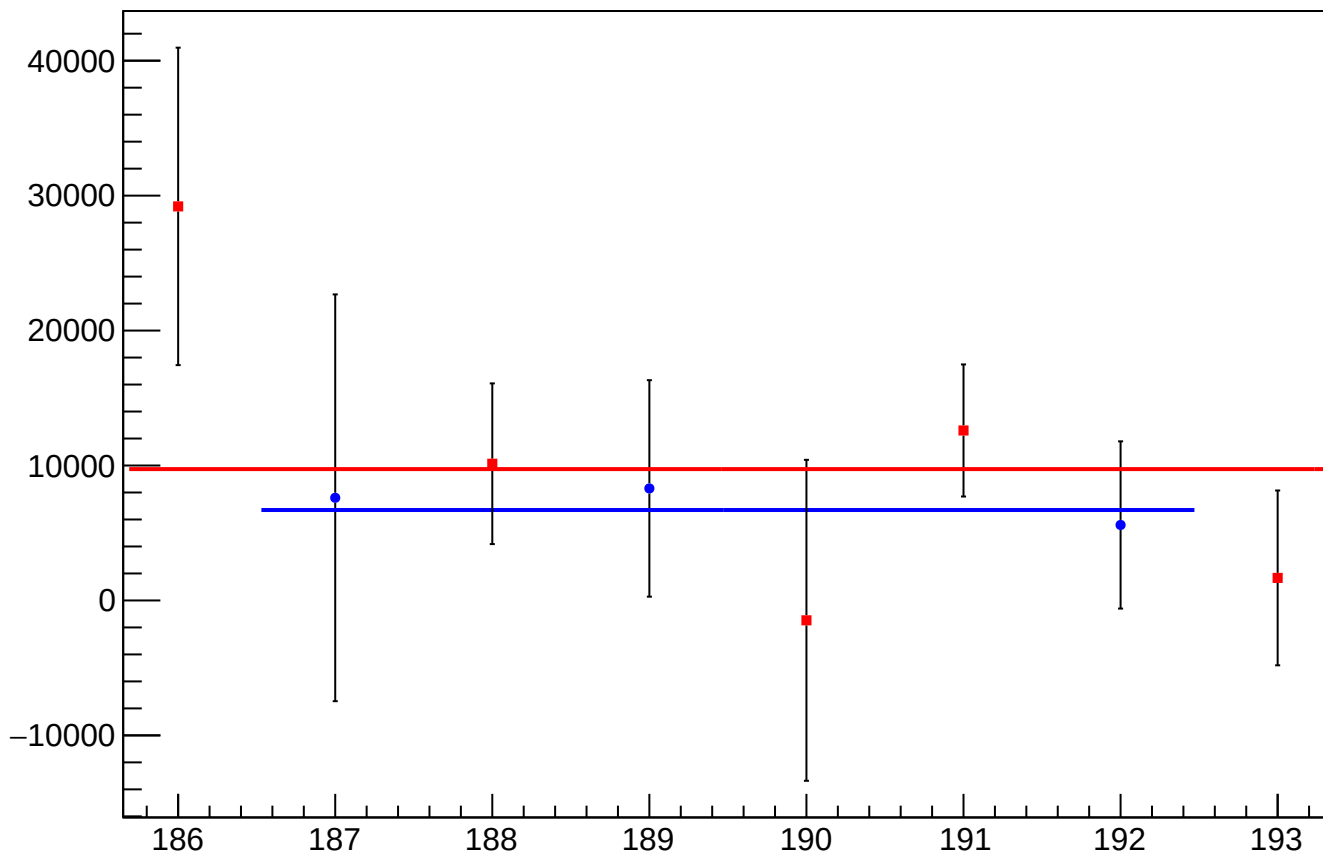
- sign -1954.530 $\pm$ 627.627 χ^2 /NDF: 39.5/46

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 2054.290+/-0.607	χ^2/NDF : 4670423.7/19	+ sign 3064.022+/-0.495	χ^2/NDF : 14317368.6/44
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24	All: 2857.106+/-0.330	χ^2/NDF : 31020558.1/5
Right Out: 1880.173+/-0.509	χ^2/NDF : 4906396.4/23	- sign 2691.289+/-0.443	χ^2/NDF : 16388190.4/46
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22		

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 6701.763+/-4663.654 χ^2/NDF : 0.1/2

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

Right Out: 9734.330+/-3041.735 χ^2/NDF : 5.5/4

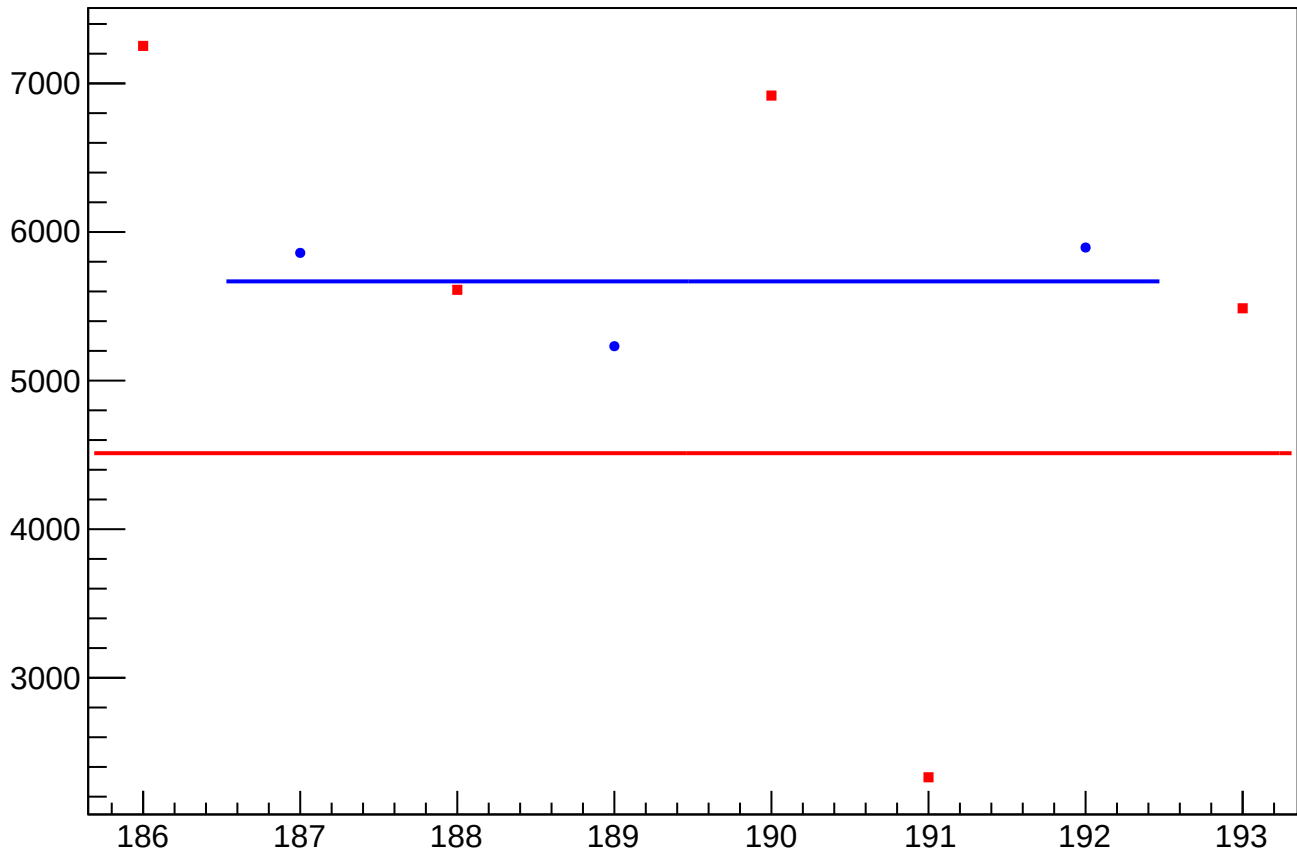
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 8829.294+/-2547.734 χ^2/NDF : 5.9/7

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5667.780 ± 3.298 $\chi^2/\text{NDF}: 8941.3/2$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Right Out: 4511.570 ± 2.151 $\chi^2/\text{NDF}: 701235.3/4$

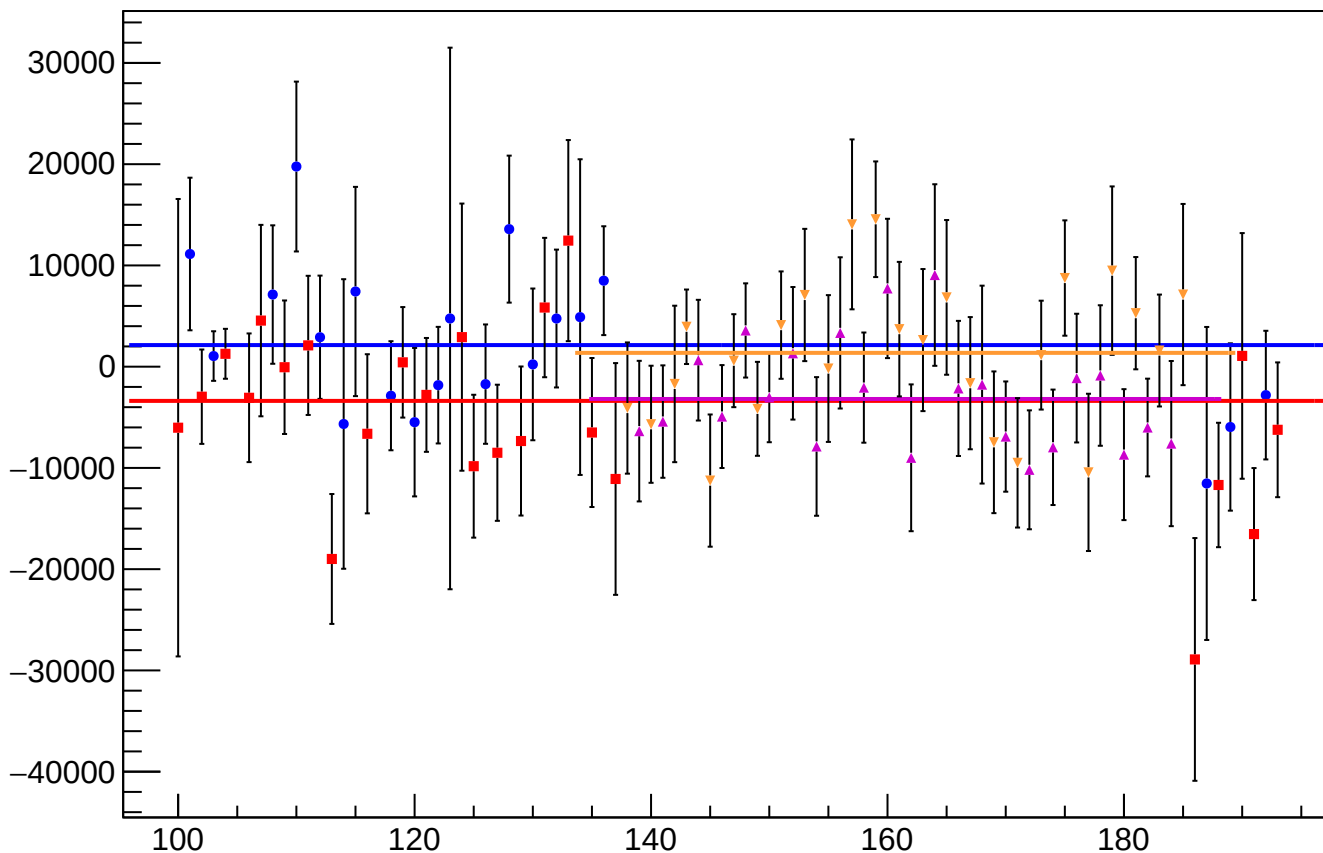
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

All: 4856.628 ± 1.802 $\chi^2/\text{NDF}: 796418.1/7$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2133.008+/-1392.989 χ^2/NDF : 16.5/19

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -3379.617+/-1281.996 χ^2/NDF : 29.4/23

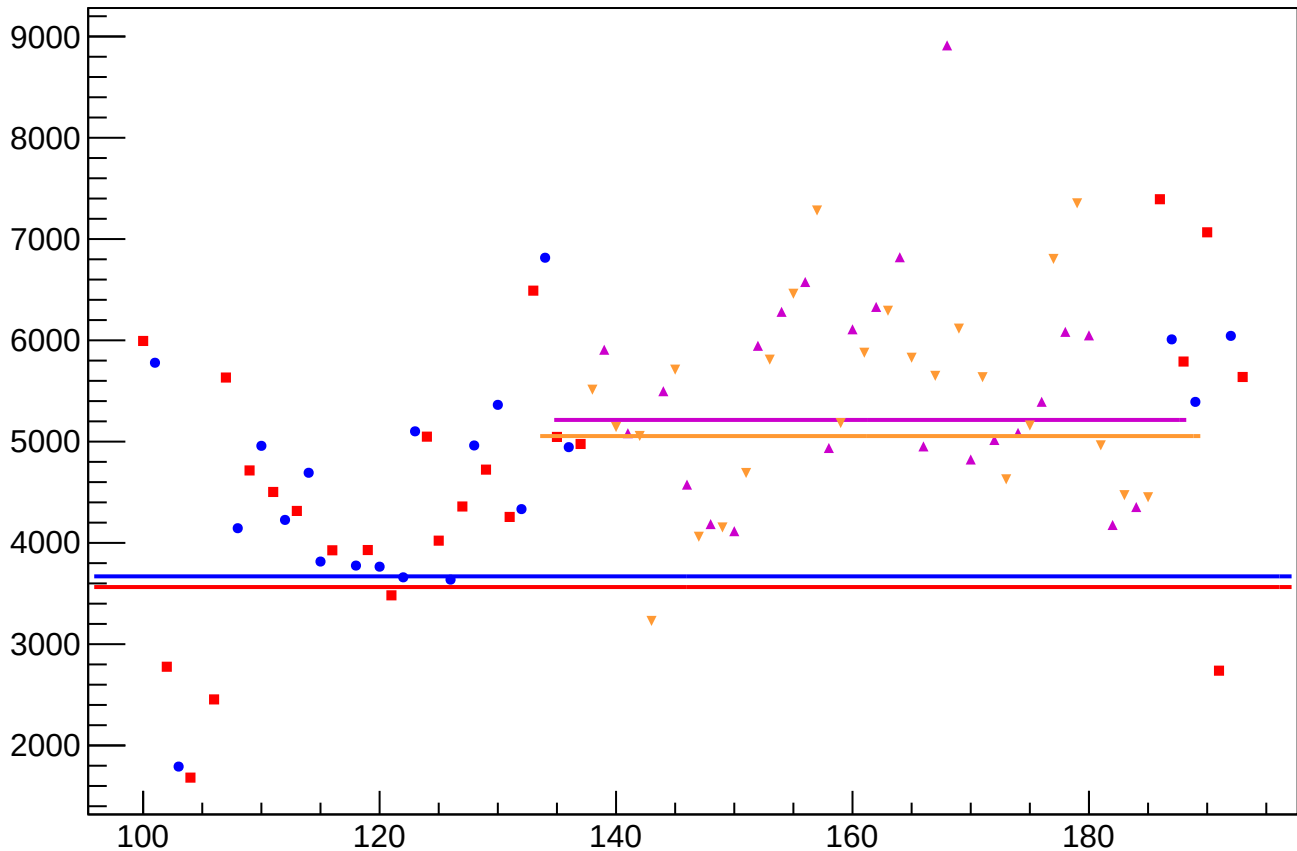
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1694.163+/-911.884 χ^2/NDF : 44.6/44

All: -821.623+/-641.364 χ^2/NDF : 103.1/91

- sign -3284.504+/-902.245 χ^2/NDF : 43.4/46

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3669.591 $\pm$ 0.985 χ^2/NDF : 2215371.1/19

Left Out: 5054.711 $\pm$ 0.853 χ^2/NDF : 1437224.7/24

Right Out: 3564.068 $\pm$ 0.899 χ^2/NDF : 2841660.0/23

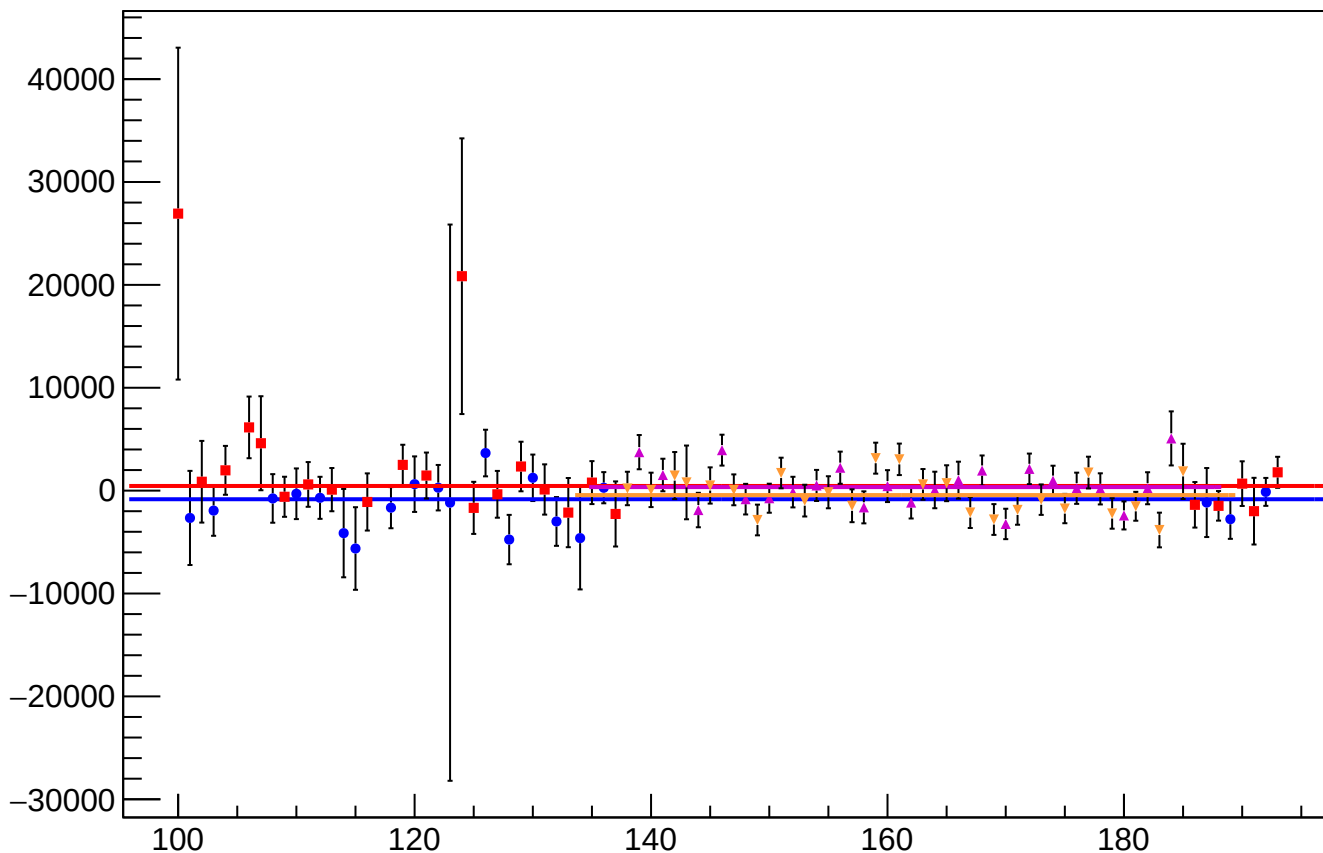
Left In: 5214.120 $\pm$ 0.898 χ^2/NDF : 1052501.5/22

+ sign 4461.127 $\pm$ 0.645 χ^2/NDF : 4782684.8/44

All: 4425.202 $\pm$ 0.453 χ^2/NDF : 10368484.9/95

- sign 4390.308 $\pm$ 0.635 χ^2/NDF : 5579680.8/46

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -836.908+/-524.741 χ^2/NDF : 13.9/19

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 453.097+/-485.415 χ^2/NDF : 18.5/23

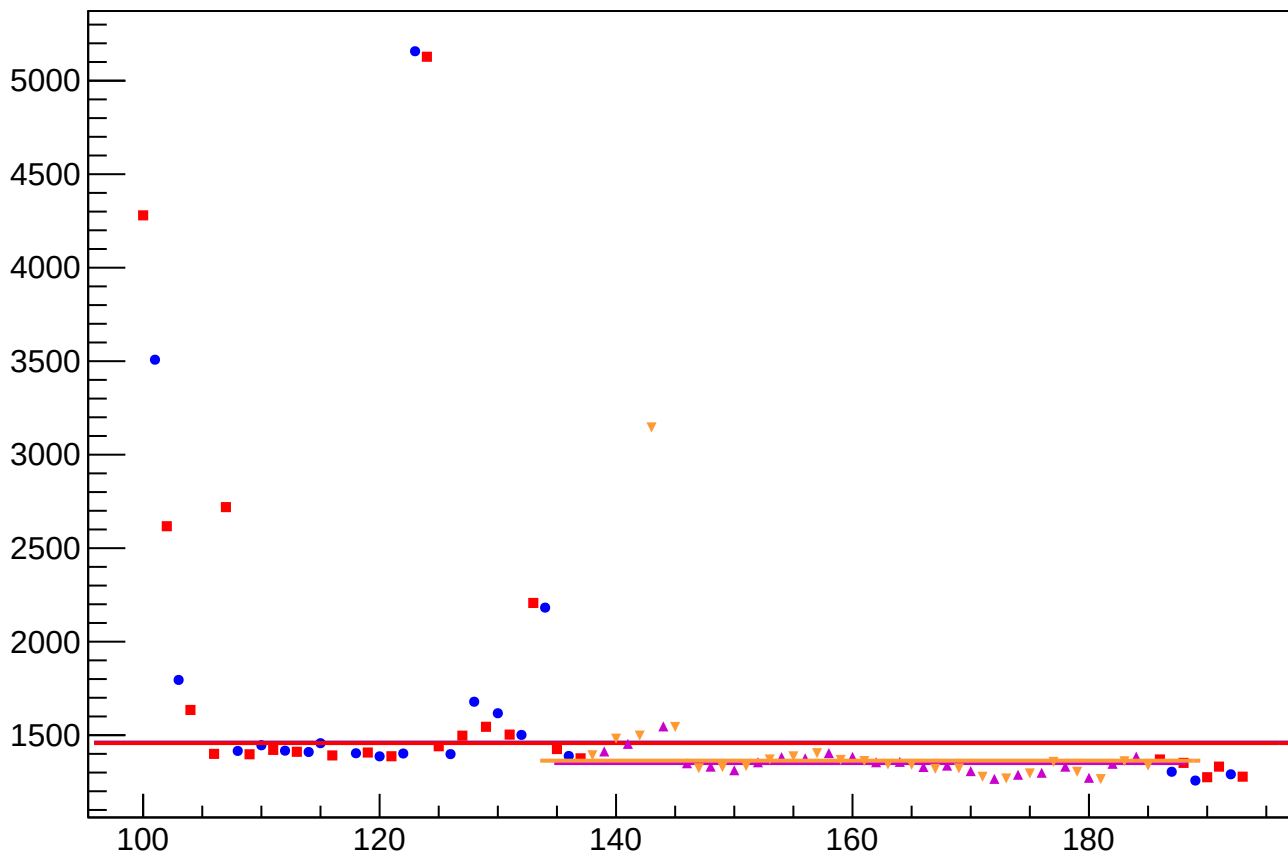
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -541.823+/-273.542 χ^2/NDF : 47.4/44

All: -75.656+/-192.049 χ^2/NDF : 105.4/91

- sign 377.495+/-269.696 χ^2/NDF : 52.3/46

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1460.057 $\pm$ 0.371 χ^2 /NDF: 614658.8/19

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1457.635 $\pm$ 0.343 χ^2 /NDF: 718871.0/23

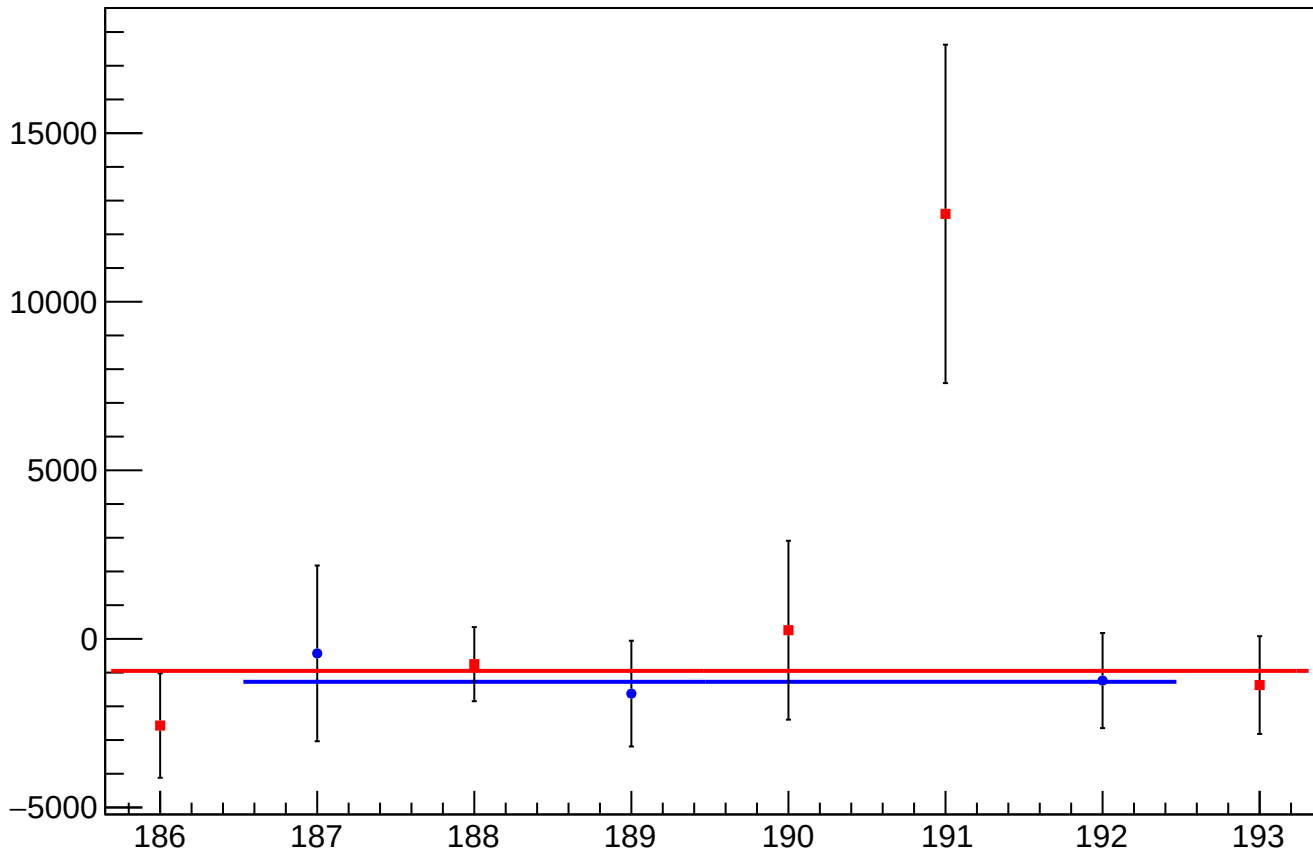
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1389.783 $\pm$ 0.193 χ^2 /NDF: 1239139.6/44

All: 1386.777 $\pm$ 0.136 χ^2 /NDF: 2092469.3/91

- sign 1383.854 $\pm$ 0.191 χ^2 /NDF: 852853.3/46

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -1272.879 ± 972.777 χ^2/NDF : 0.2/2

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

Right Out: -949.148 ± 725.344 χ^2/NDF : 8.7/4

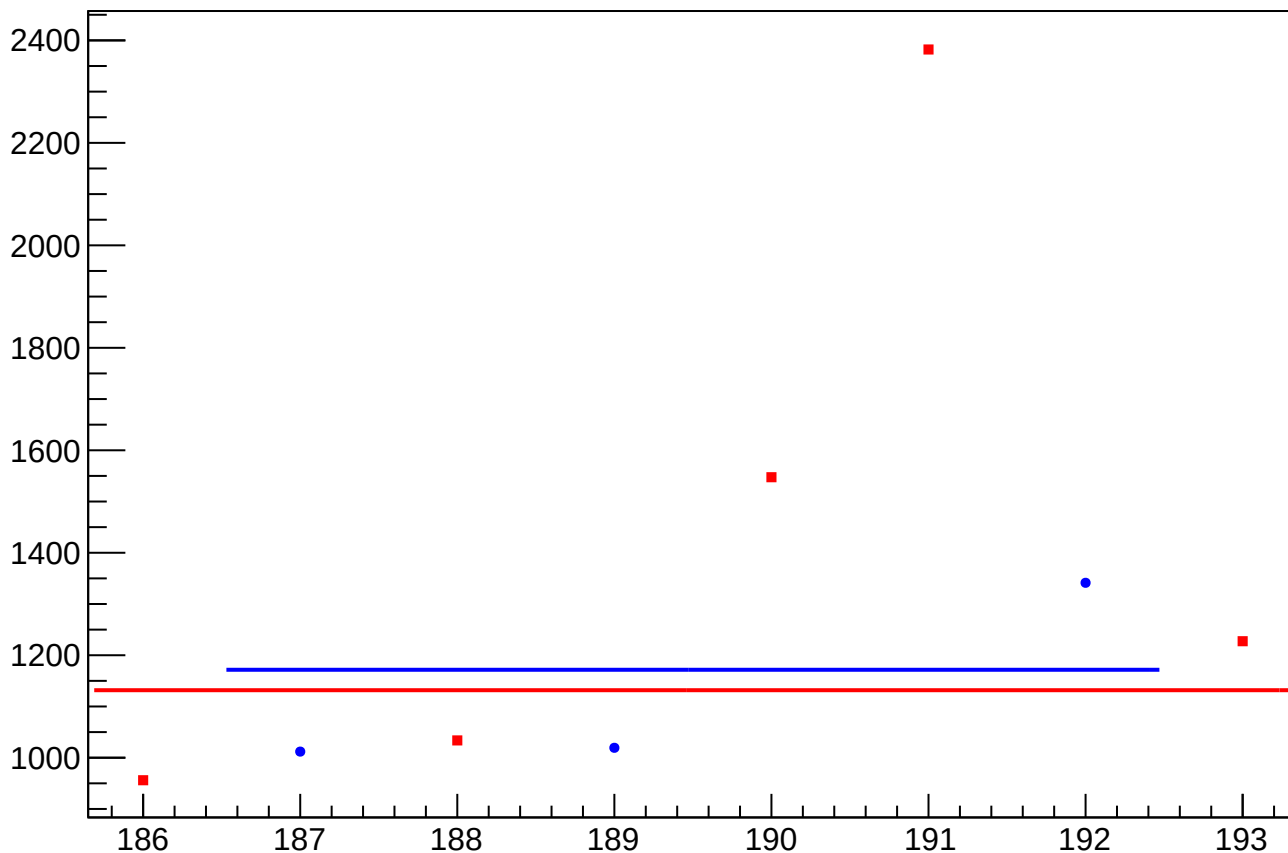
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -1064.823 ± 581.489 χ^2/NDF : 8.9/7

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1171.639 $\pm$ 0.688 χ^2 /NDF: 55356.9/2

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

Right Out: 1131.756 $\pm$ 0.513 χ^2 /NDF: 223553.2/4

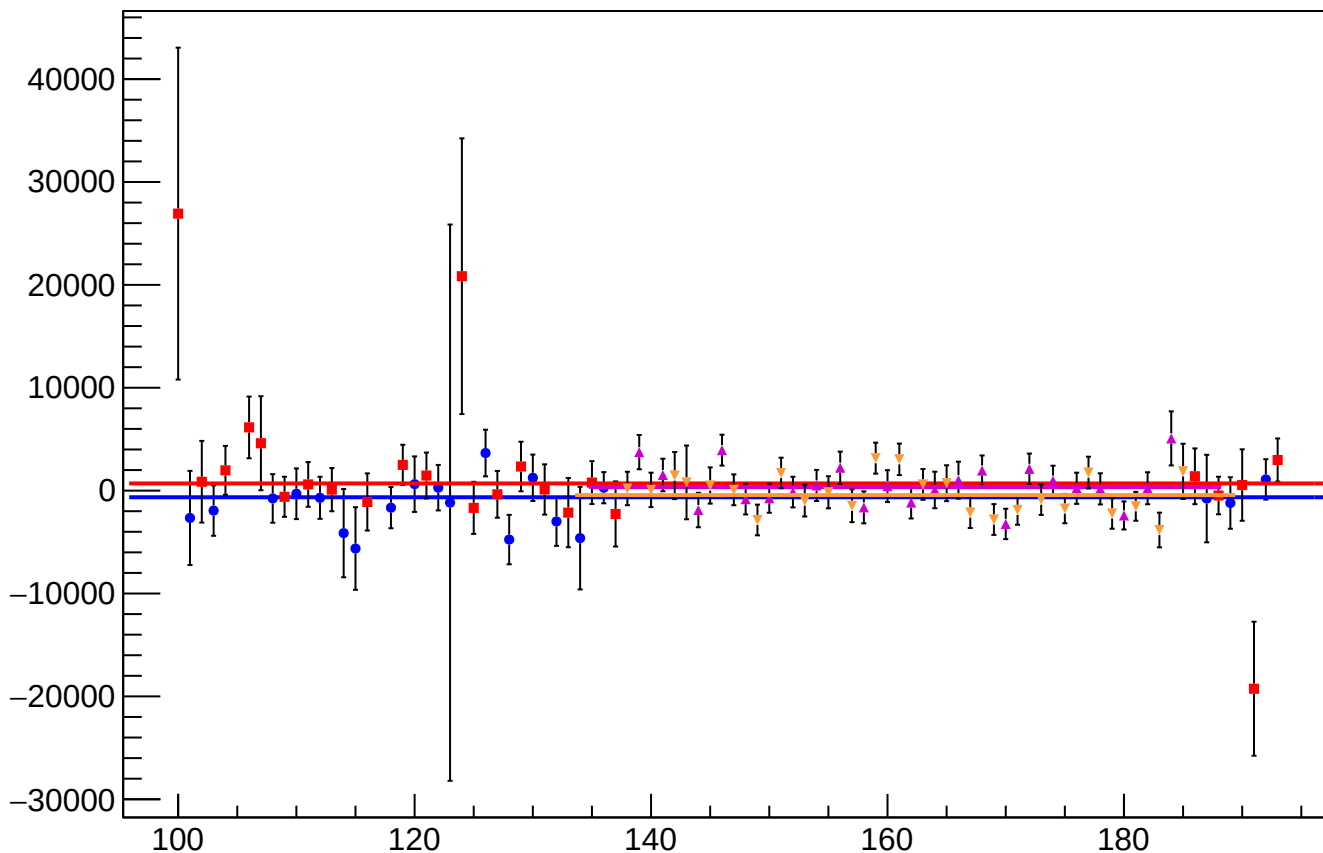
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1146.007 $\pm$ 0.411 χ^2 /NDF: 281070.8/7

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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -644.335+/-558.904 χ^2/NDF : 13.4/19

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 697.896+/-528.536 χ^2/NDF : 25.4/23

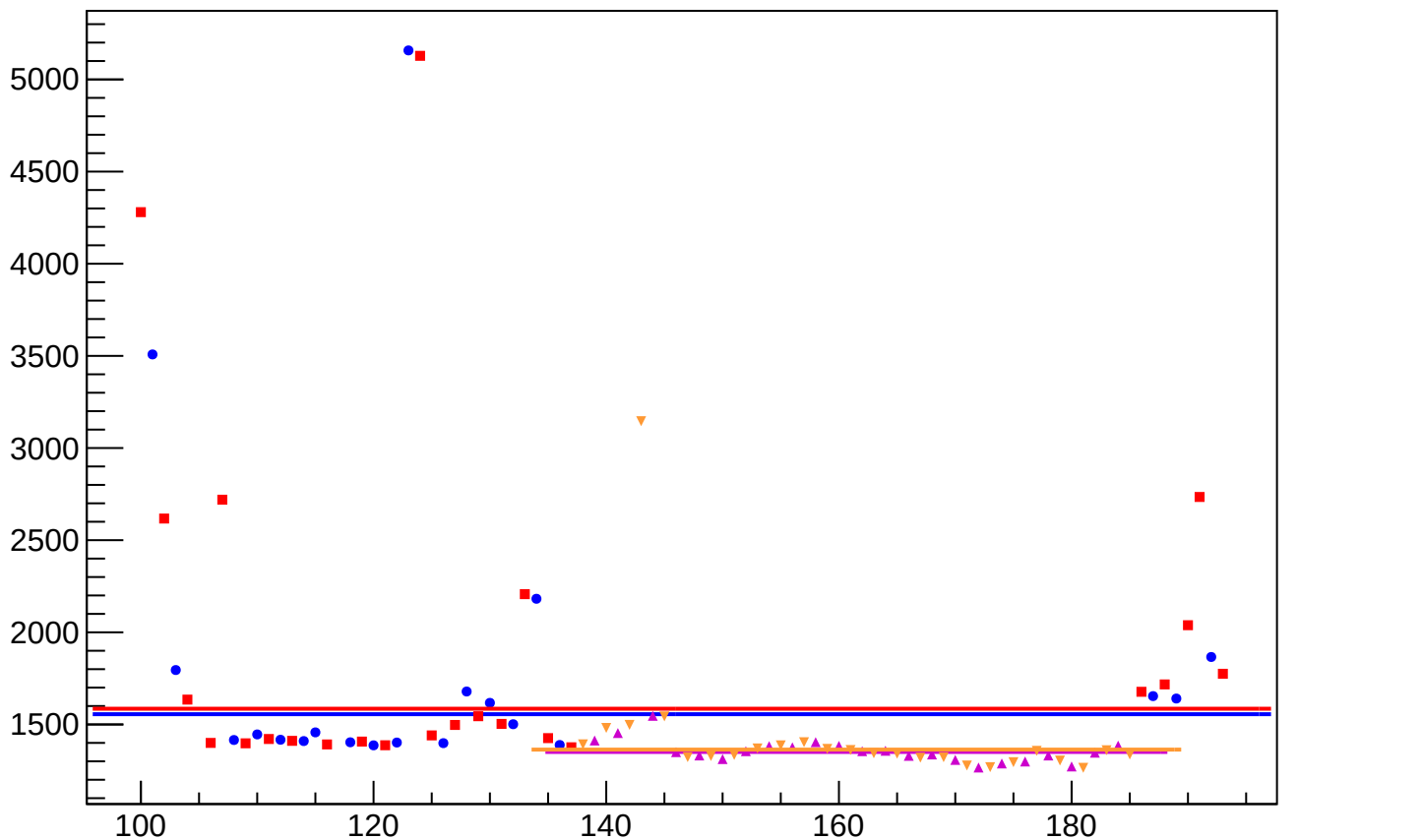
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -484.340+/-278.056 χ^2/NDF : 46.6/44

All: -19.186+/-196.048 χ^2/NDF : 111.7/91

- sign 440.633+/-276.457 χ^2/NDF : 59.5/46

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1555.717 ± 0.395 χ^2/NDF : 598426.4/19

Left Out: 1363.561 ± 0.227 χ^2/NDF : 575226.6/24

Right Out: 1585.412 ± 0.374 χ^2/NDF : 774894.4/23

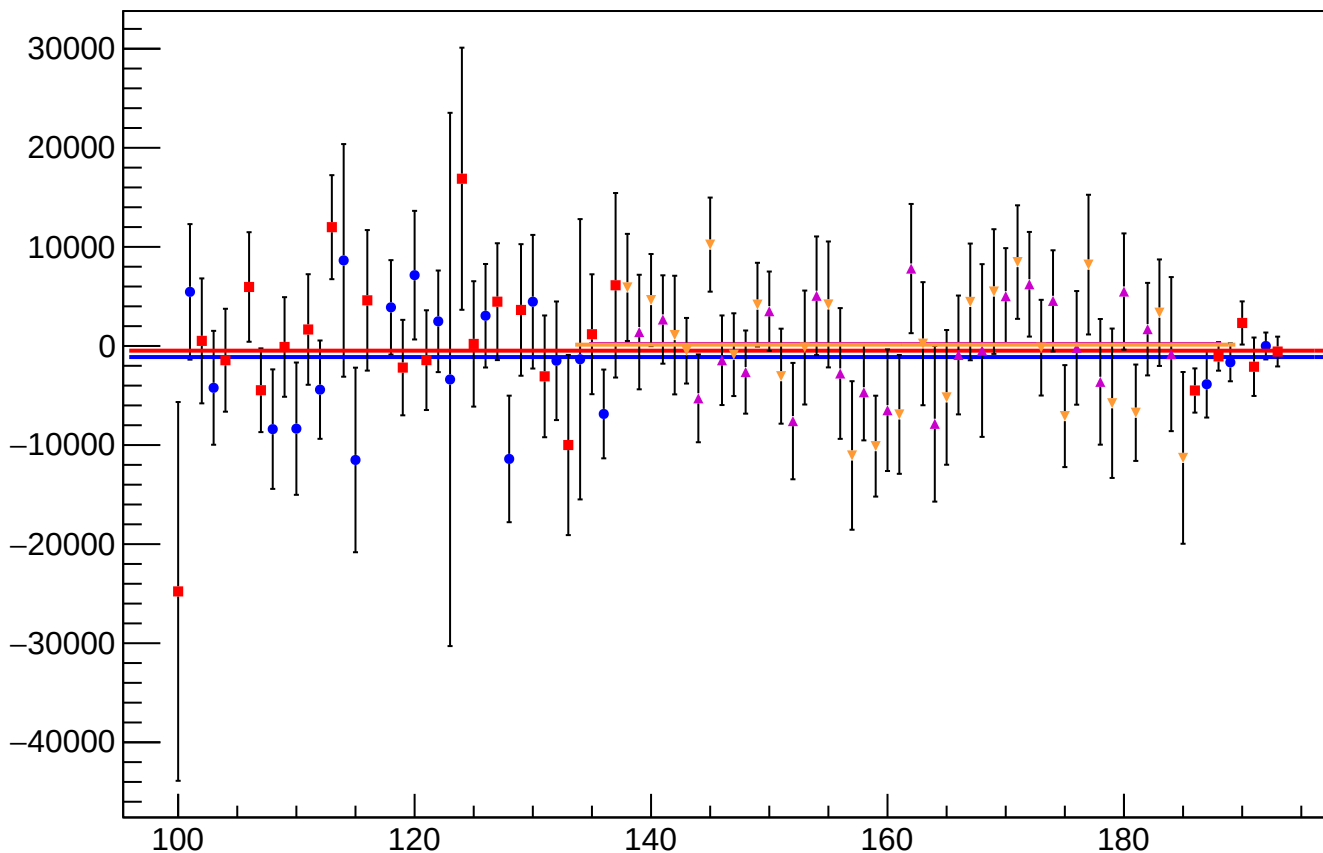
Left In: 1350.909 ± 0.229 χ^2/NDF : 67144.5/22

+ sign 1411.122 ± 0.197 χ^2/NDF : 1351549.7/44

All: 1413.106 ± 0.139 χ^2/NDF : 2479788.3/91

- sign 1415.068 ± 0.195 χ^2/NDF : 1128035.9/46

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1119.794 ± 864.210 χ^2/NDF : 16.4/19

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -474.305 ± 711.677 χ^2/NDF : 20.4/23

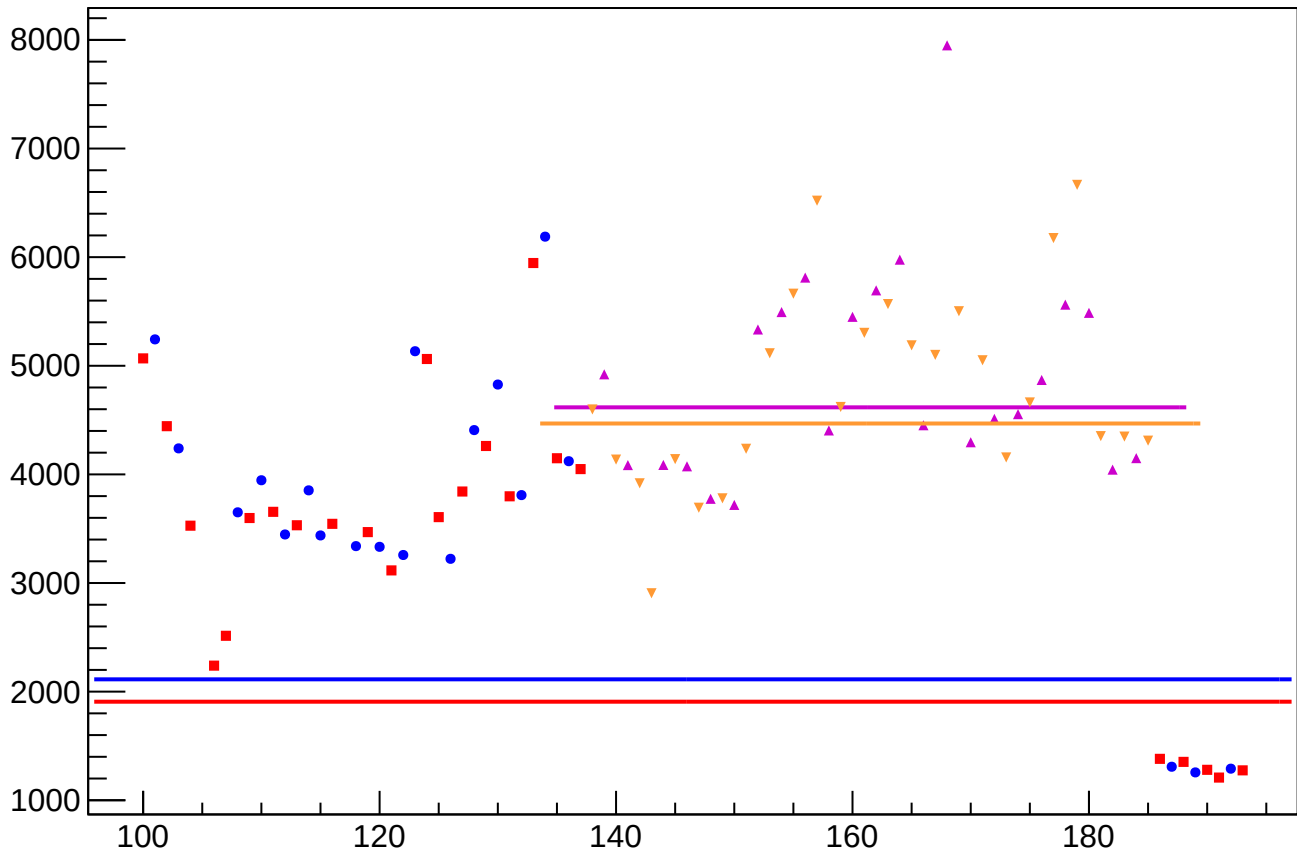
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -623.035 ± 671.201 χ^2/NDF : 45.4/44

All: -433.350 ± 447.826 χ^2/NDF : 80.9/91

- sign -281.163 ± 601.208 χ^2/NDF : 35.4/46

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 2113.190 $\pm$ 0.611 χ^2 /NDF: 4182374.4/19

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 1907.292 $\pm$ 0.502 χ^2 /NDF: 4397391.9/23

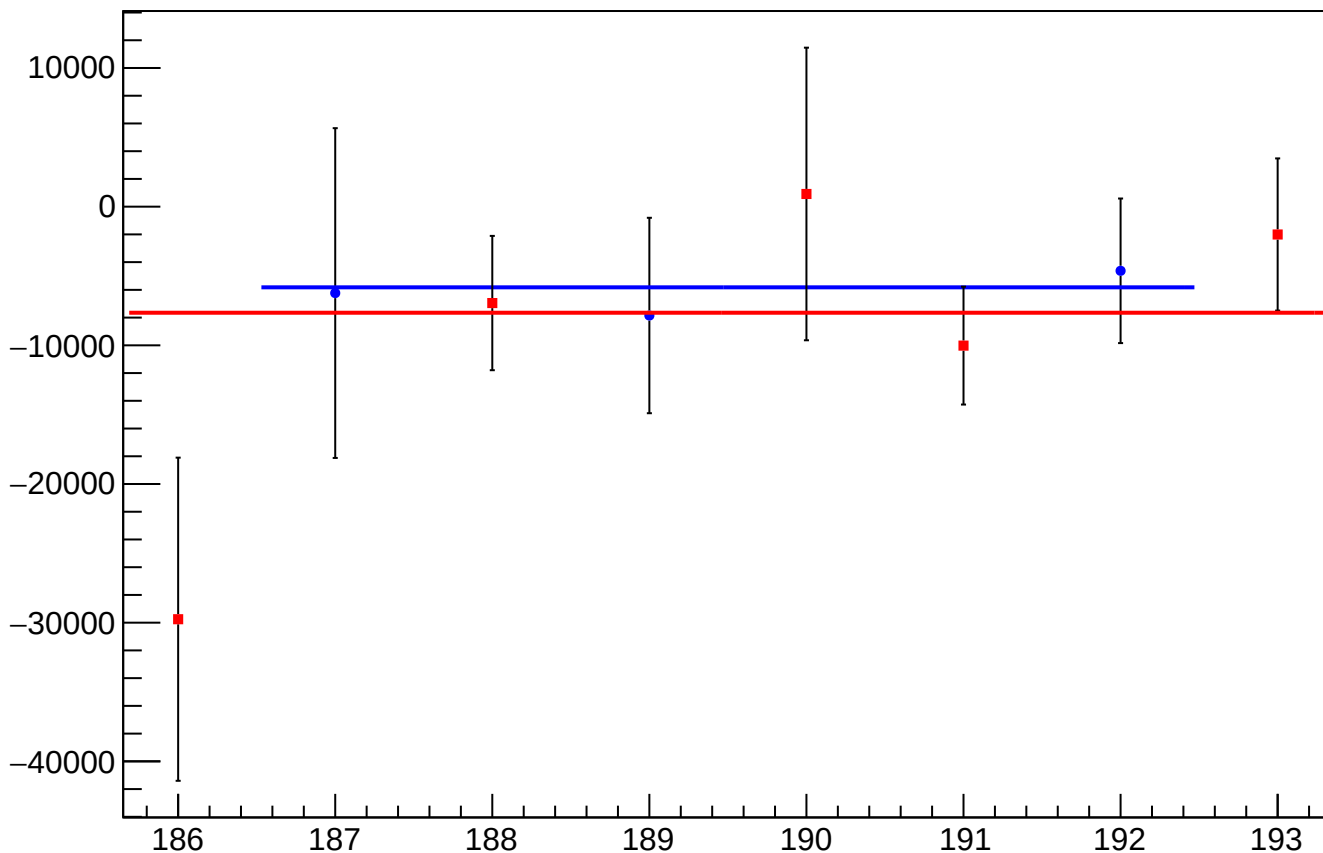
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 3047.757 $\pm$ 0.475 χ^2 /NDF: 11457672.0/44

All: 2843.728 $\pm$ 0.316 χ^2 /NDF: 25503215.4/9

- sign 2680.602 $\pm$ 0.424 χ^2 /NDF: 13712983.0/46

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -5817.301+/-3952.577 χ^2/NDF : 0.1/2

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

Right Out: -7649.161+/-2603.176 χ^2/NDF : 5.6/4

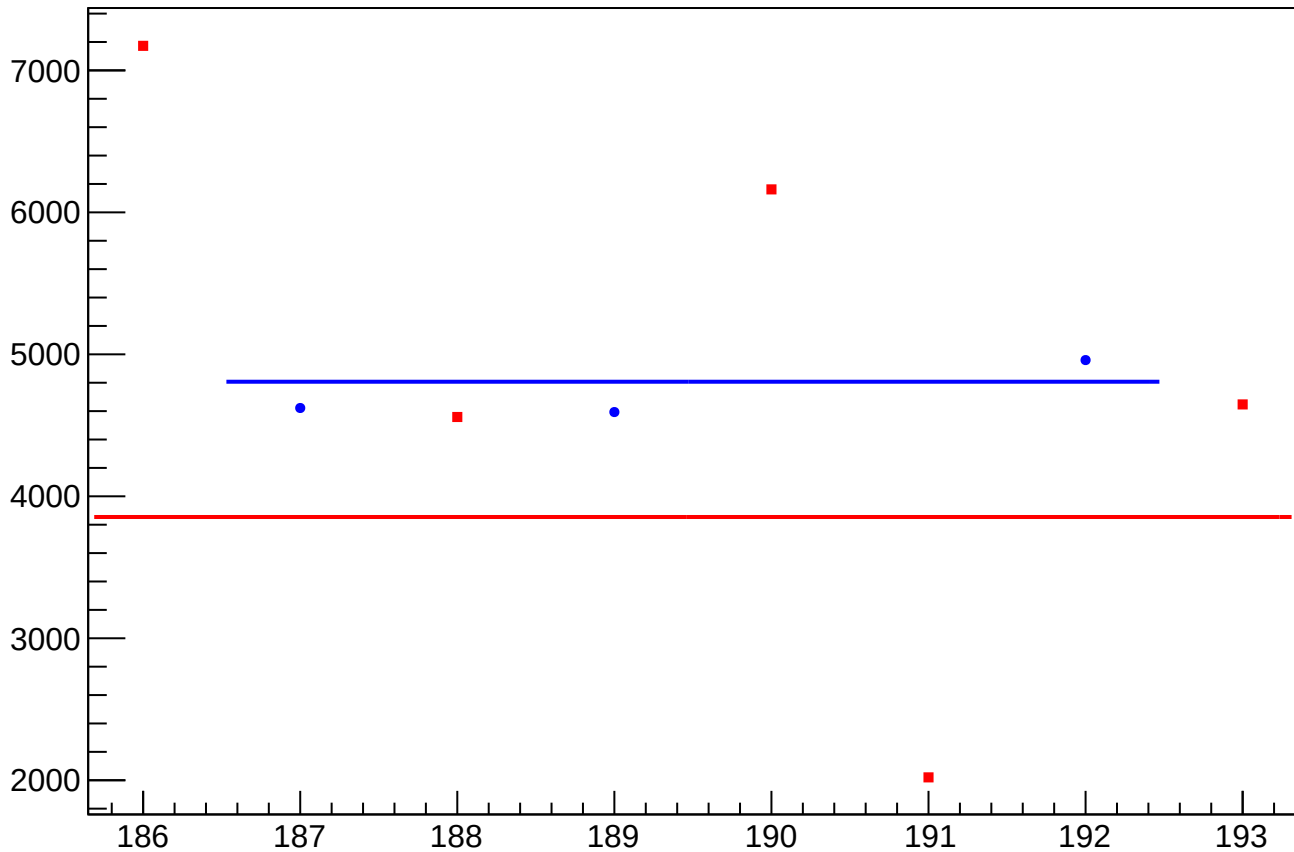
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -7094.965+/-2174.031 χ^2/NDF : 5.9/7

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 4807.062 $\pm$ 2.795 χ^2 /NDF: 4033.6/2

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

Right Out: 3854.288 $\pm$ 1.841 χ^2 /NDF: 714436.9/4

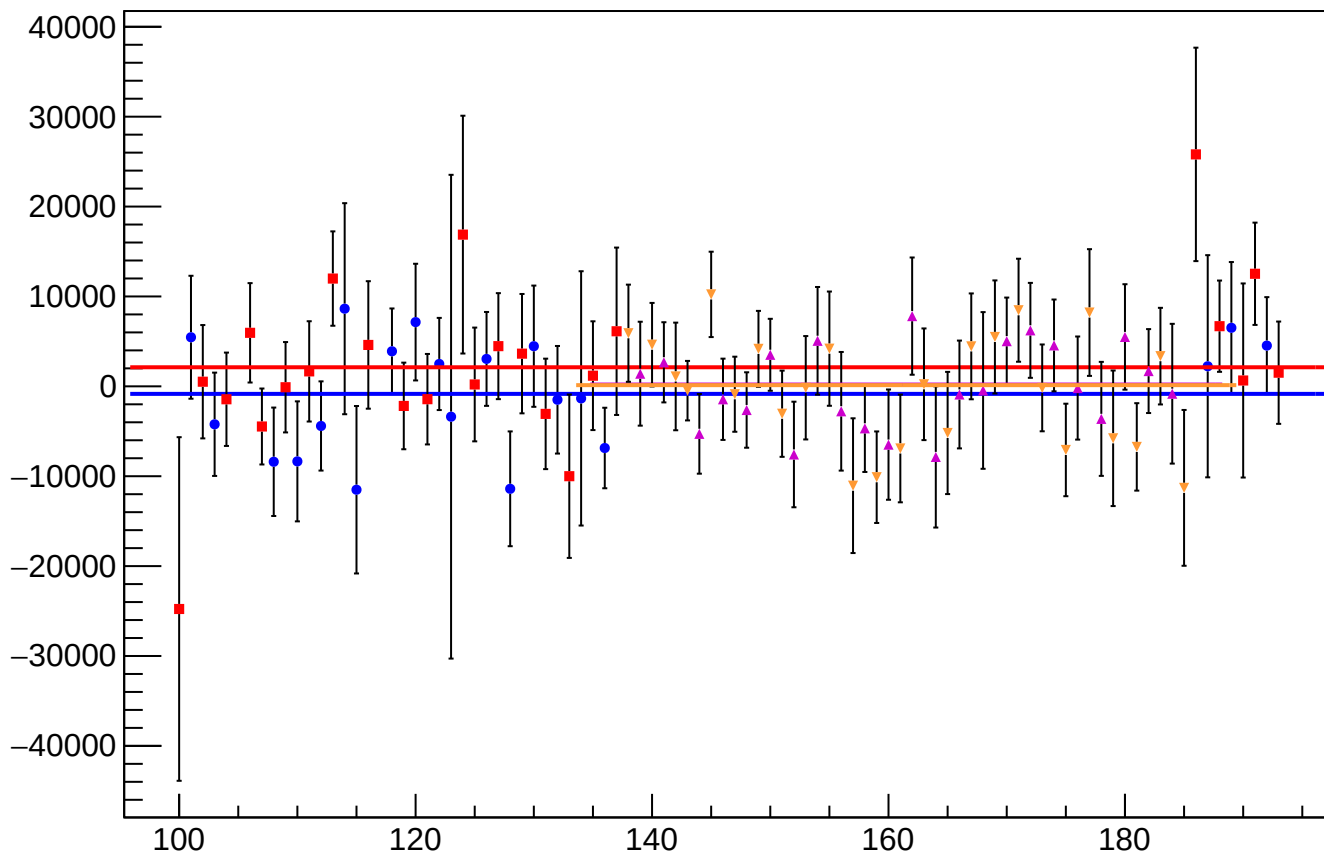
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 4142.532 $\pm$ 1.537 χ^2 /NDF: 799524.3/7

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -839.032 ± 1423.114 χ^2/NDF : 17.2/19

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: 2121.224 ± 1250.071 χ^2/NDF : 23.0/23

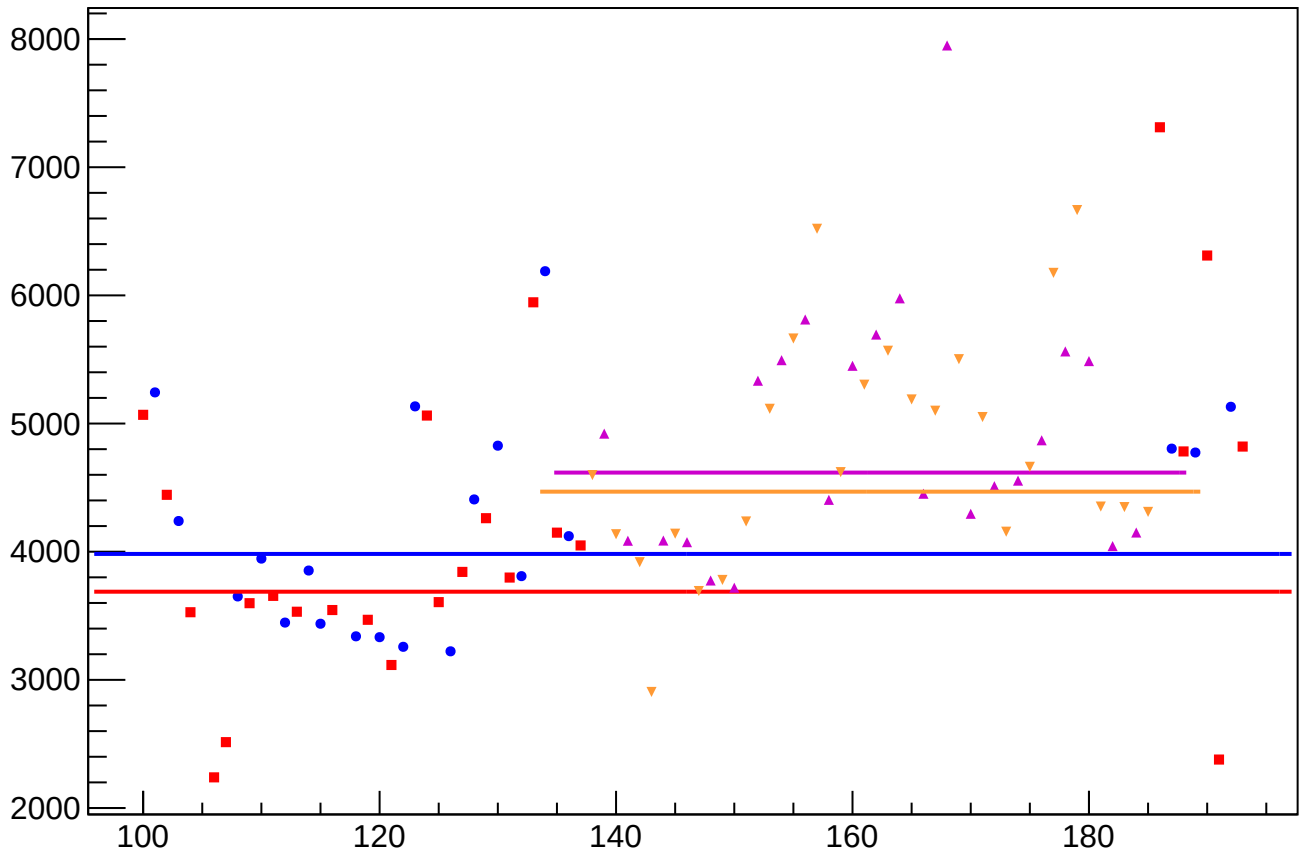
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -216.729 ± 852.950 χ^2/NDF : 45.7/44

All: 434.007 ± 596.902 χ^2/NDF : 85.8/91

- sign 1058.553 ± 835.610 χ^2/NDF : 39.0/46

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3982.560+/-1.006 χ^2/NDF : 466233.5/19

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

+ sign 4293.945+/-0.603 χ^2/NDF : 1996275.2/44

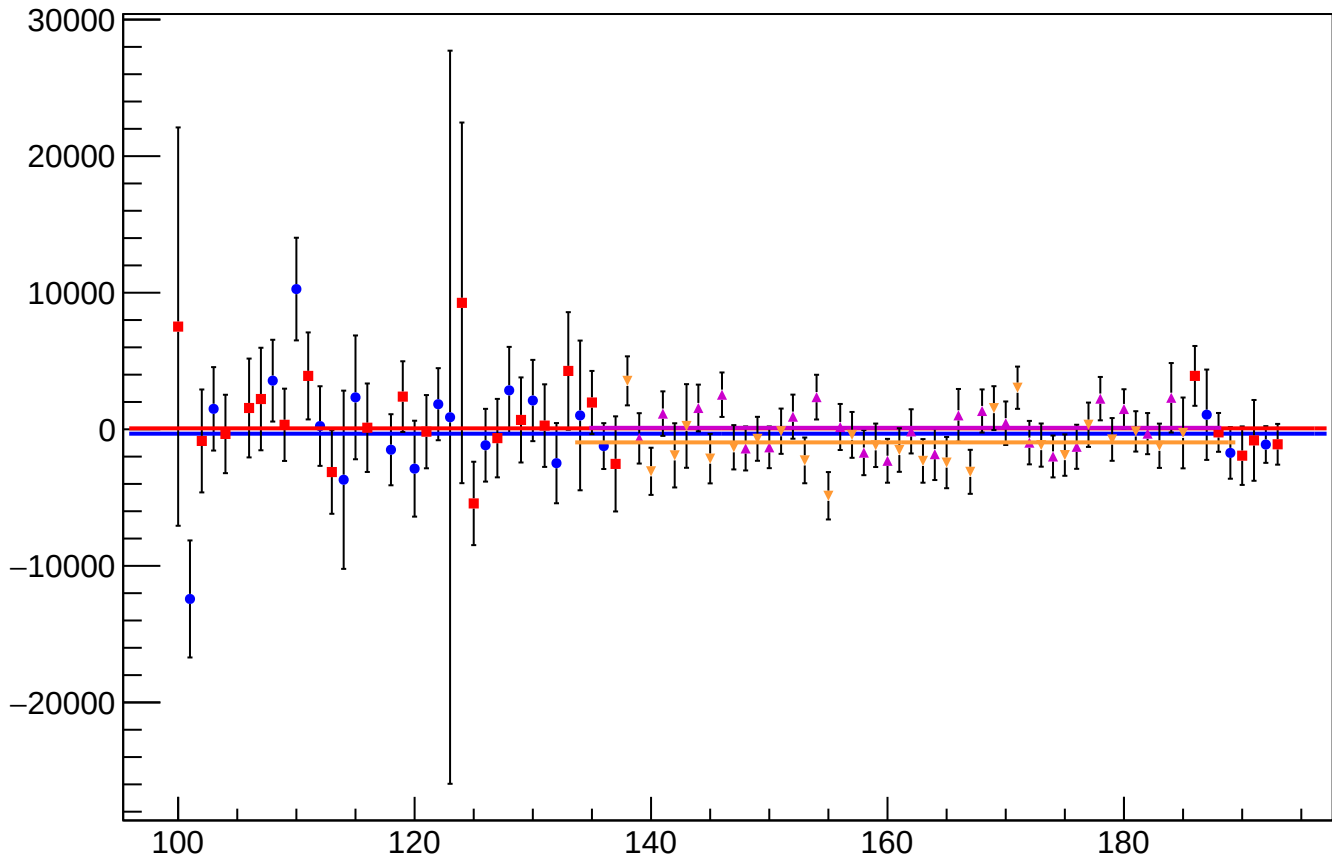
Right Out: 3687.919+/-0.877 χ^2/NDF : 1165997.6/23

All: 4245.117+/-0.421 χ^2/NDF : 4791274.6/91

- sign 4198.569+/-0.589 χ^2/NDF : 2782196.8/46

Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -322.000+/-609.730 χ^2/NDF : 23.7/19

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 68.218+/-547.979 χ^2/NDF : 14.9/23

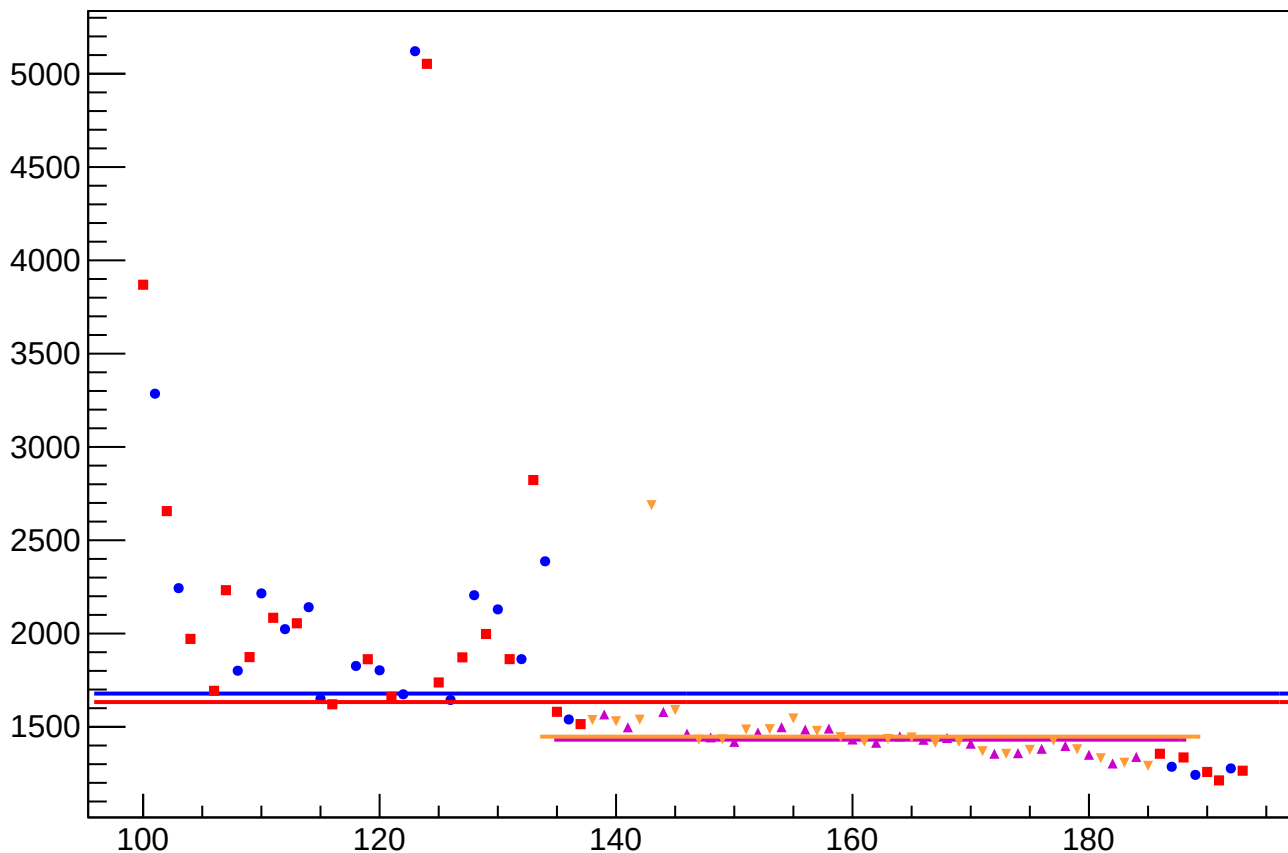
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -807.801+/-296.617 χ^2/NDF : 53.1/44

All: -347.272+/-207.778 χ^2/NDF : 92.2/91

- sign 96.420+/-291.144 χ^2/NDF : 34.4/46

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1678.386 $\pm$ 0.431 χ^2 /NDF: 942880.2/19

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1632.920 $\pm$ 0.387 χ^2 /NDF: 1072622.2/23

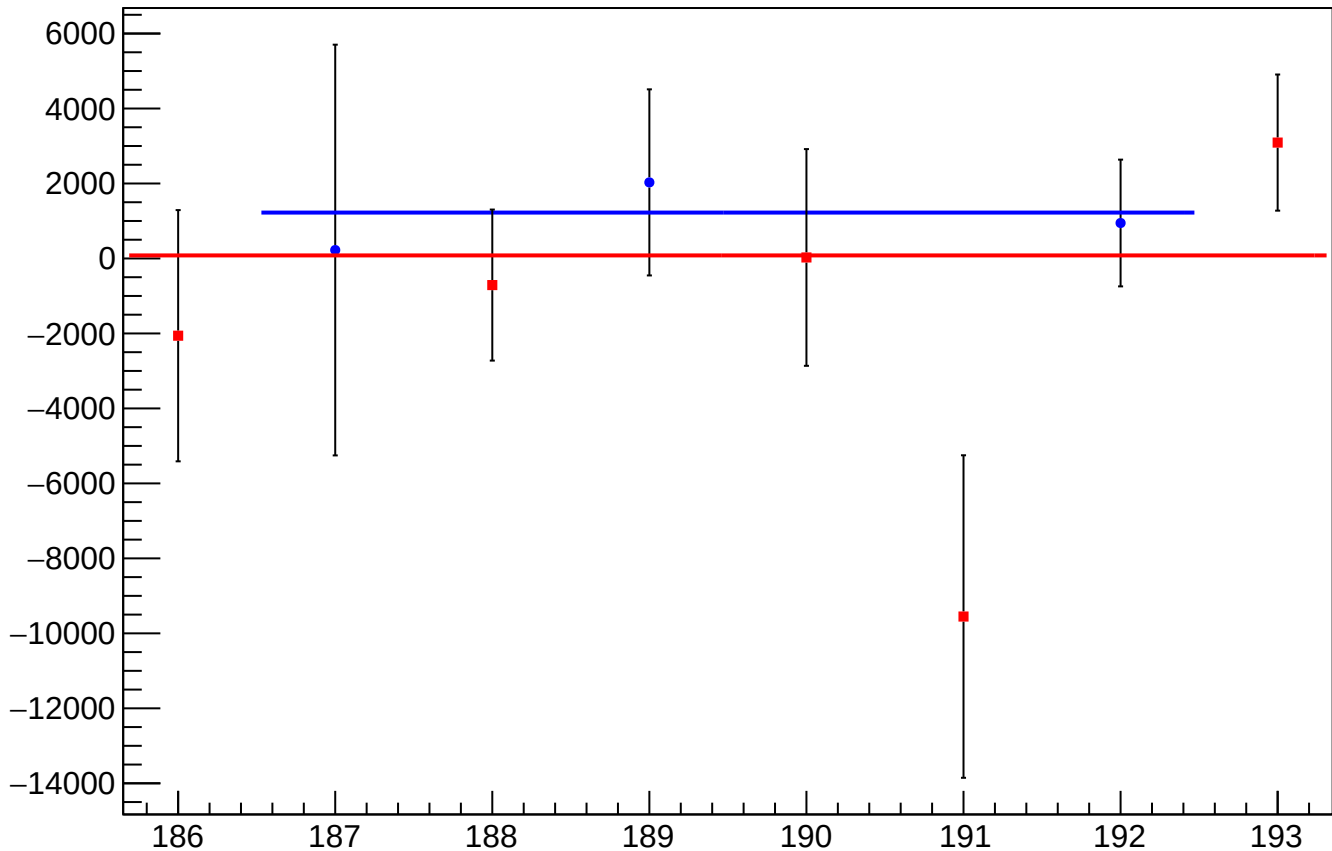
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1502.182 $\pm$ 0.210 χ^2 /NDF: 1580946.1/44

All: 1495.126 $\pm$ 0.147 χ^2 /NDF: 2924946.2/90

- sign 1488.327 $\pm$ 0.206 χ^2 /NDF: 1341777.5/46

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1224.191+/-1353.918 χ^2 /NDF: 0.2/2

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

Right Out: 81.445+/-1109.422 χ^2 /NDF: 8.3/4

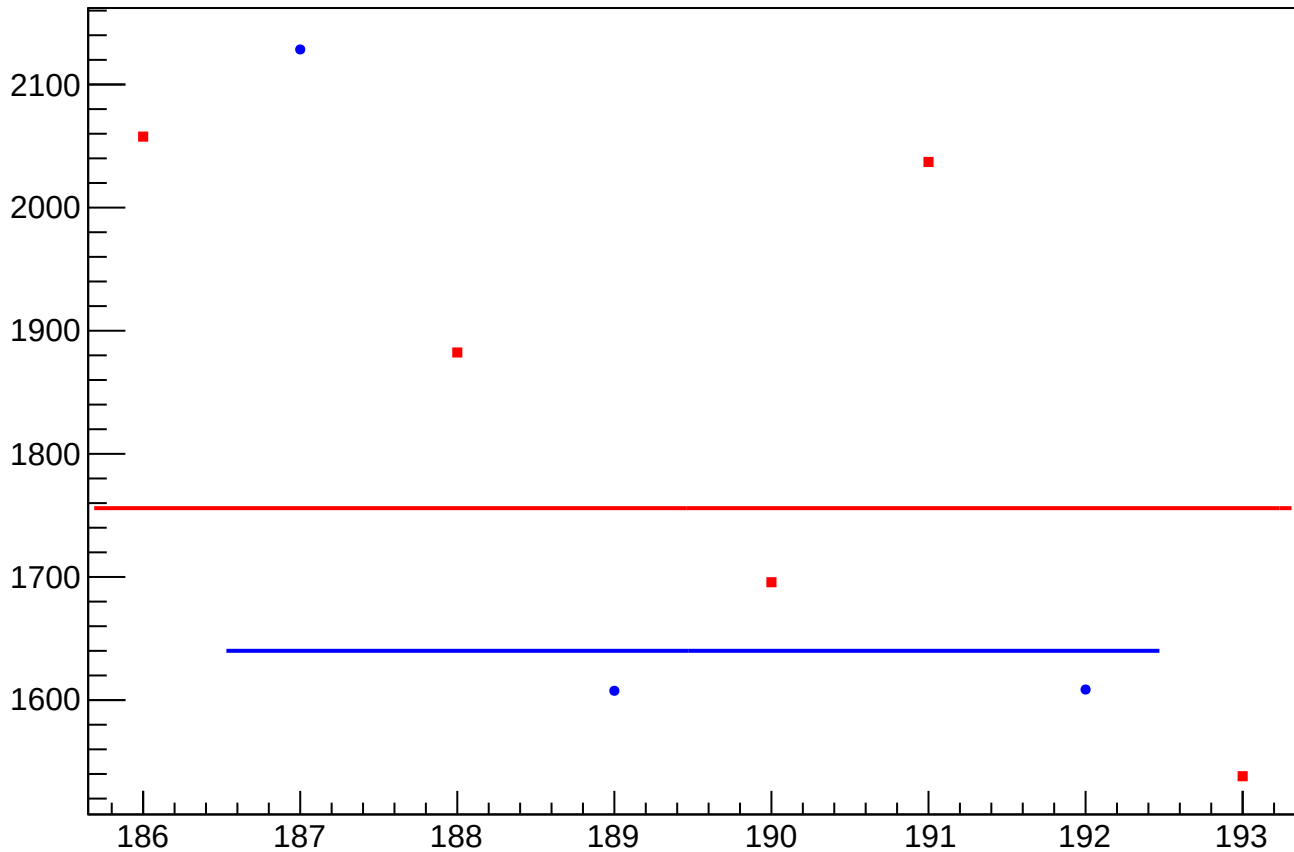
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 540.503+/-858.126 χ^2 /NDF: 8.9/7

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1640.033+/-0.957 χ^2/NDF : 16932.8/2

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

Right Out: 1755.885+/-0.784 χ^2/NDF : 62262.0/4

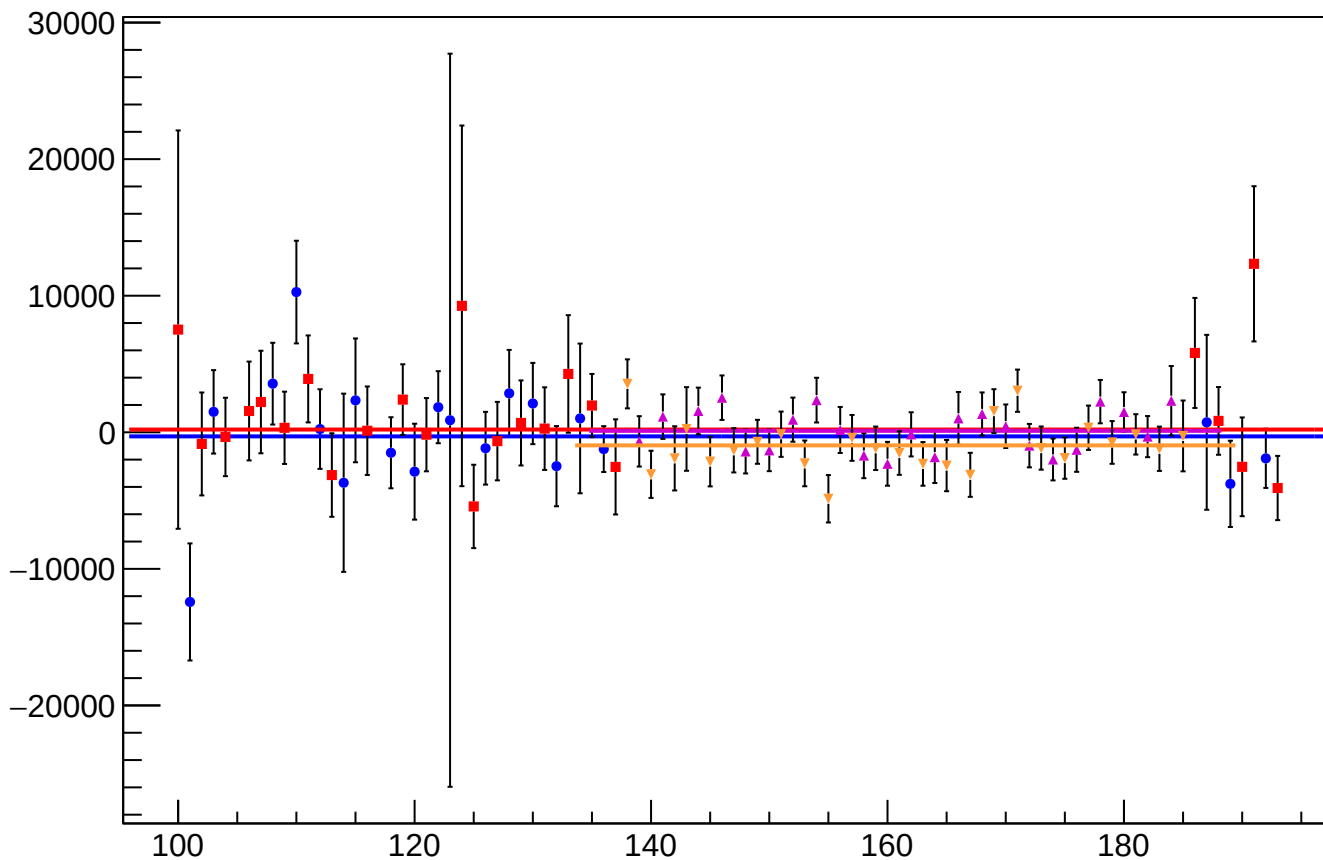
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1709.345+/-0.607 χ^2/NDF : 87955.9/7

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -299.705+/-689.666 χ^2/NDF : 24.4/19

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 201.605+/-651.198 χ^2/NDF : 20.6/23

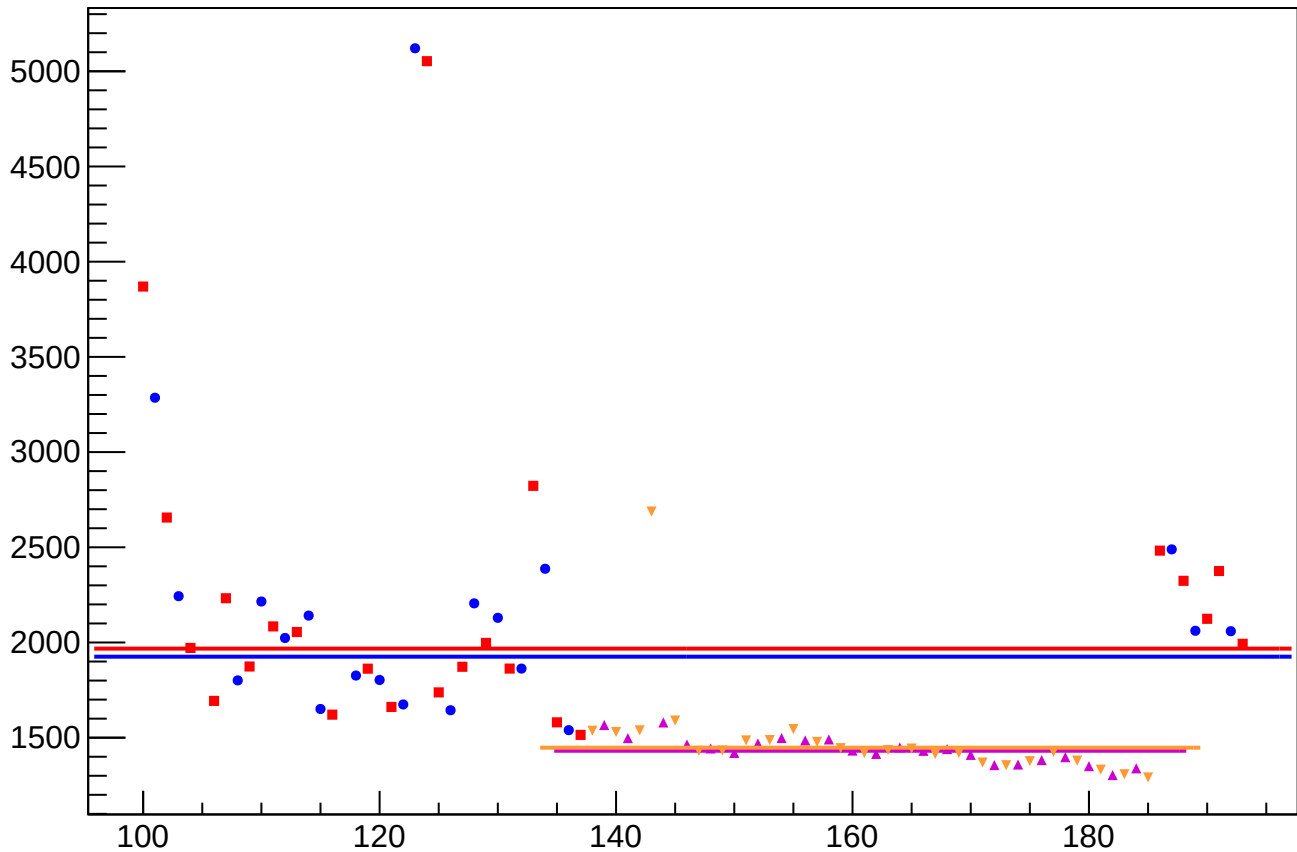
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -829.926+/-304.592 χ^2/NDF : 53.7/44

All: -349.925+/-215.146 χ^2/NDF : 98.7/91

- sign 128.009+/-303.935 χ^2/NDF : 40.1/46

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1925.508 $\pm$ 0.488 χ^2 /NDF: 496844.7/19

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1967.831 $\pm$ 0.460 χ^2 /NDF: 563647.8/23

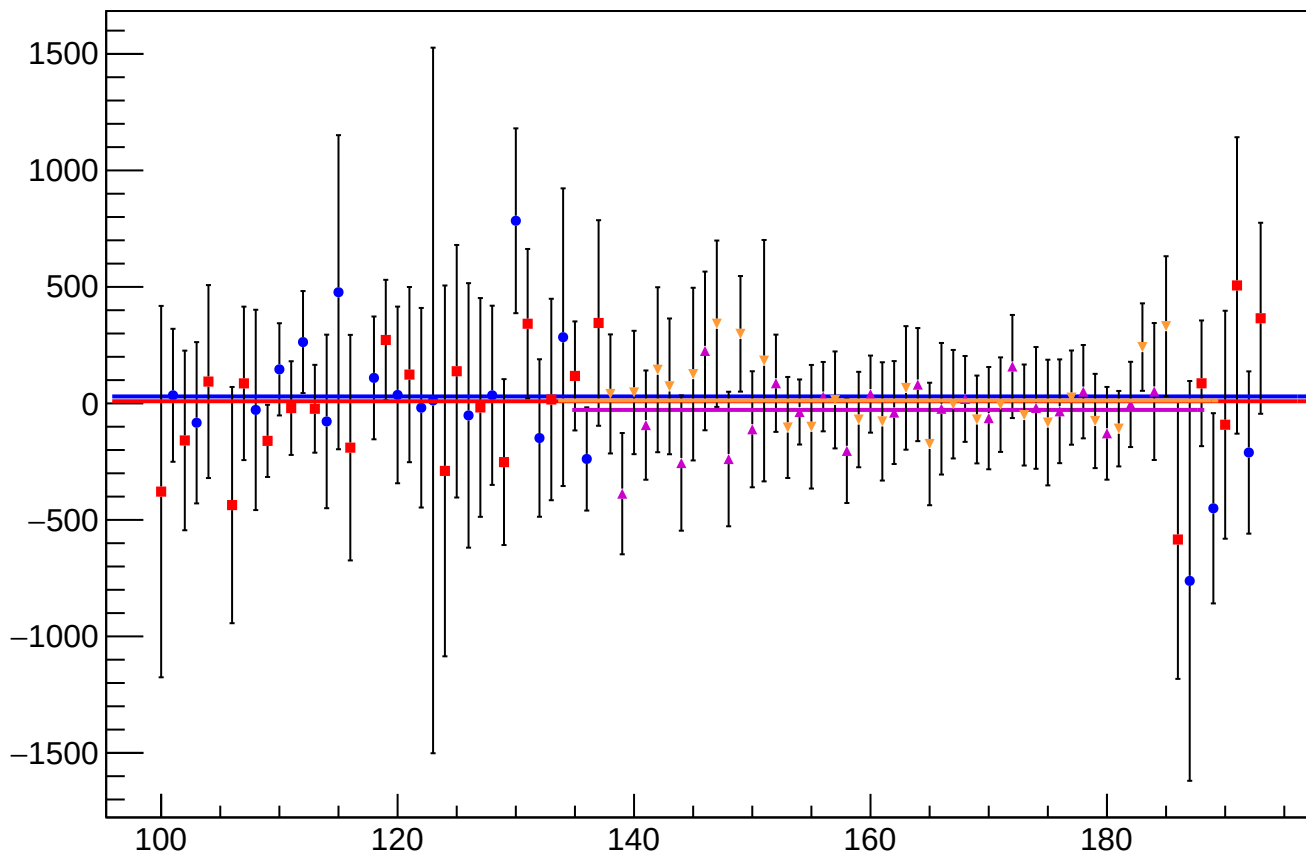
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1540.783 $\pm$ 0.215 χ^2 /NDF: 1689302.4/44

All: 1544.550 $\pm$ 0.152 χ^2 /NDF: 3390011.8/91

- sign 1548.301 $\pm$ 0.215 χ^2 /NDF: 1700098.8/46

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 29.887 ± 76.141 χ^2/NDF : 10.5/19

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 9.336 ± 65.498 χ^2/NDF : 8.9/23

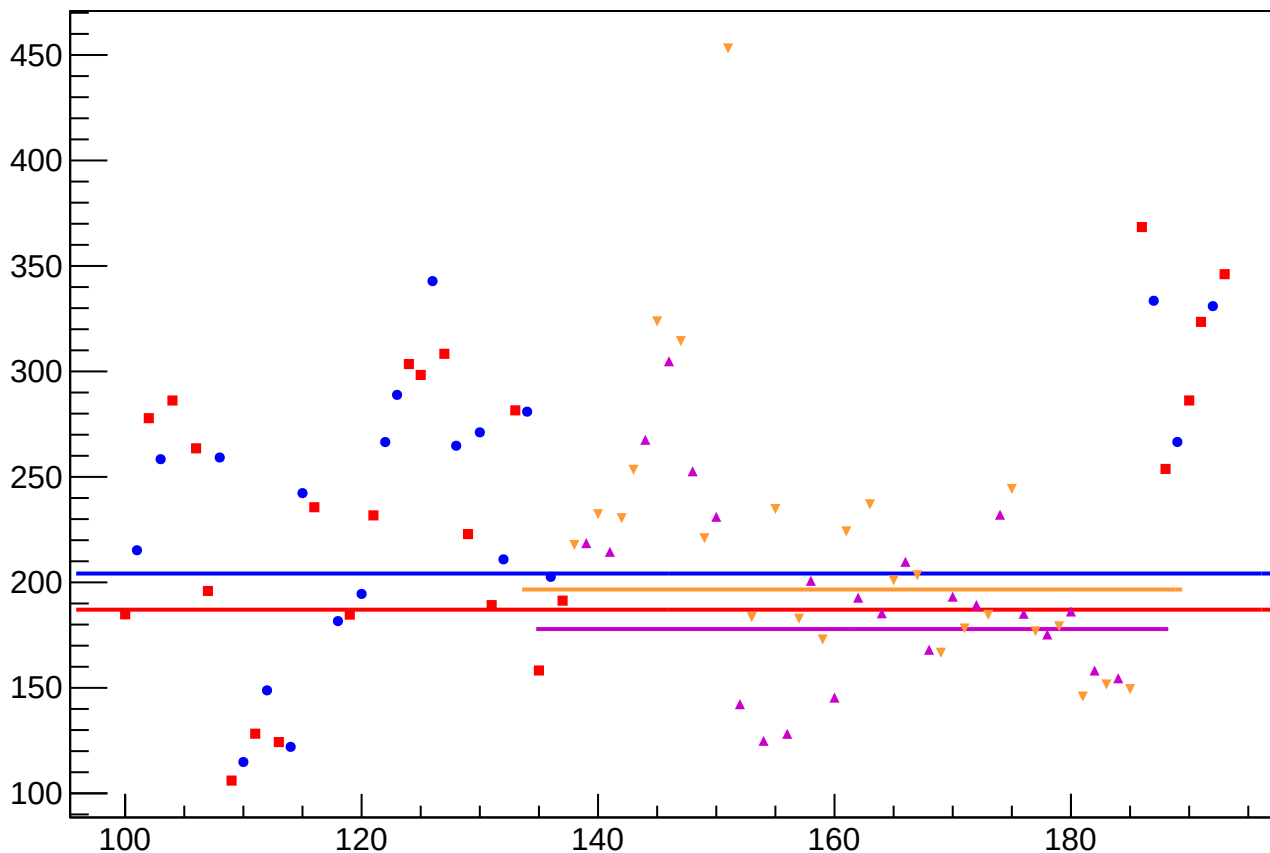
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign 17.454 ± 40.292 χ^2/NDF : 18.2/44

All: -0.855 ± 27.181 χ^2/NDF : 34.3/91

- sign -16.146 ± 36.822 χ^2/NDF : 15.7/46

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 204.199 $\pm$ 0.054 χ^2 /NDF: 1401474.3/19

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 187.066 $\pm$ 0.046 χ^2 /NDF: 2448596.0/23

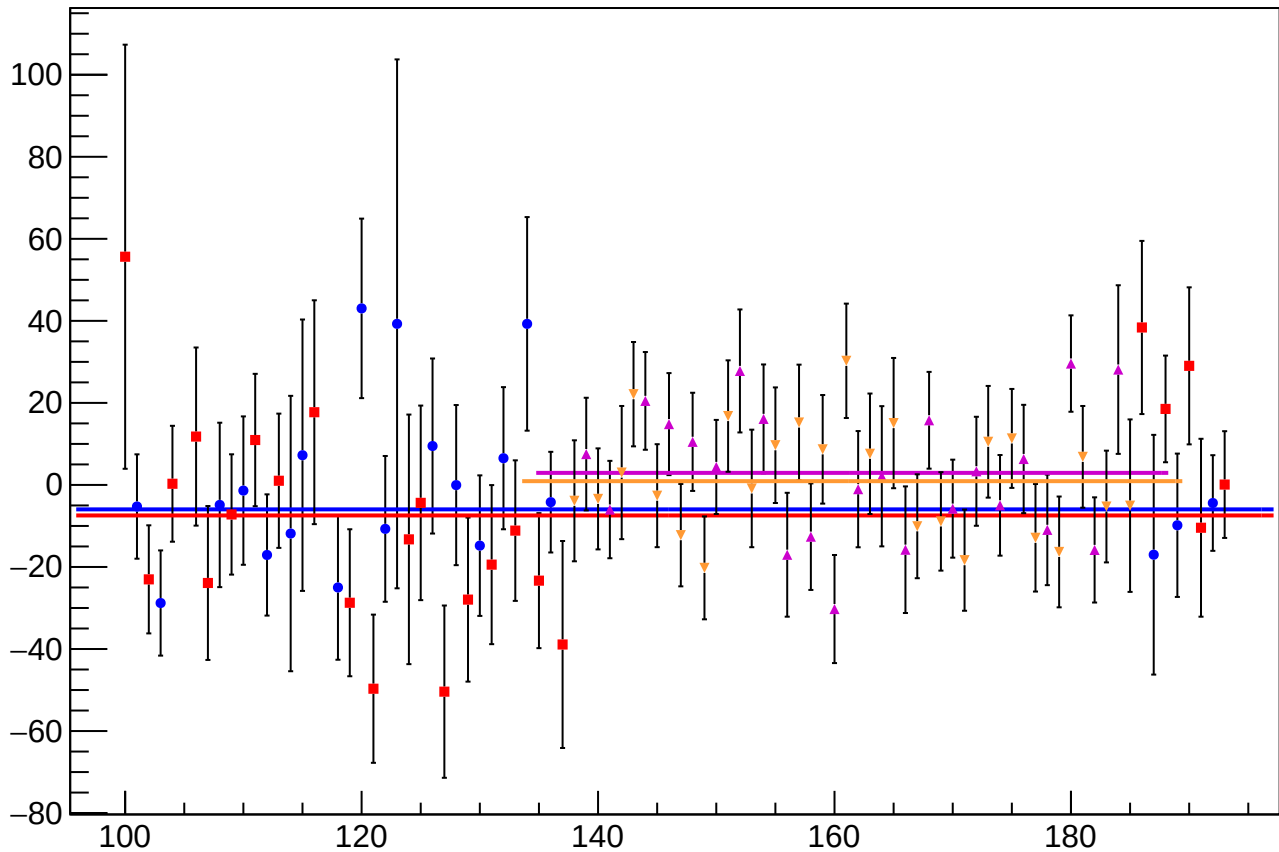
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 198.742 $\pm$ 0.028 χ^2 /NDF: 3209250.7/44

All: 188.955 $\pm$ 0.019 χ^2 /NDF: 7545399.8/91

- sign 180.782 $\pm$ 0.026 χ^2 /NDF: 4119602.1/46

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.958 ± 3.941 χ^2/NDF : 15.4/19

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -7.440 ± 3.683 χ^2/NDF : 34.9/23

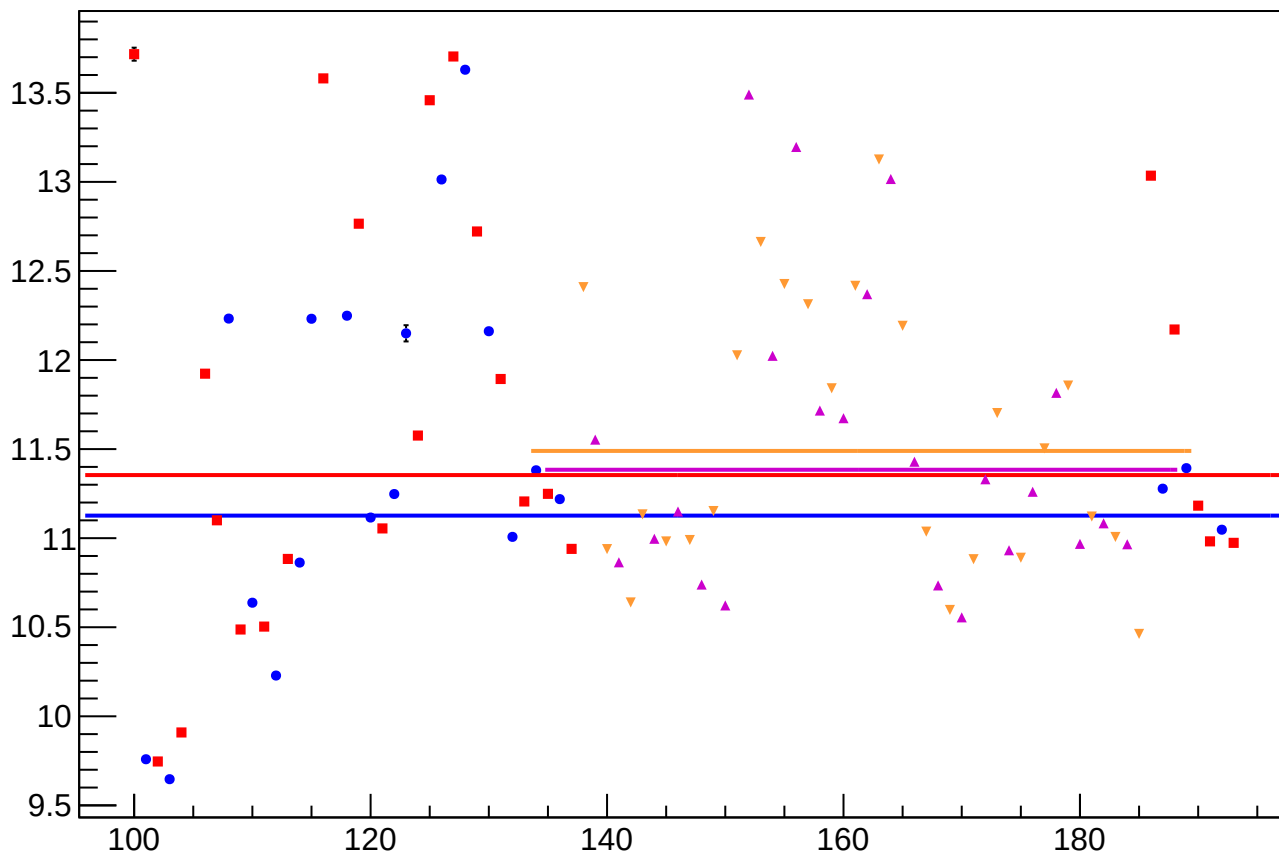
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.273 ± 2.225 χ^2/NDF : 41.5/44

All: -1.017 ± 1.565 χ^2/NDF : 112.6/91

- sign -0.766 ± 2.201 χ^2/NDF : 71.1/46

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.127 $\pm$ 0.003 χ^2/NDF : 132570.2/19

Left Out: 11.490 $\pm$ 0.002 χ^2/NDF : 132399.1/24

Right Out: 11.354 $\pm$ 0.003 χ^2/NDF : 172687.6/23

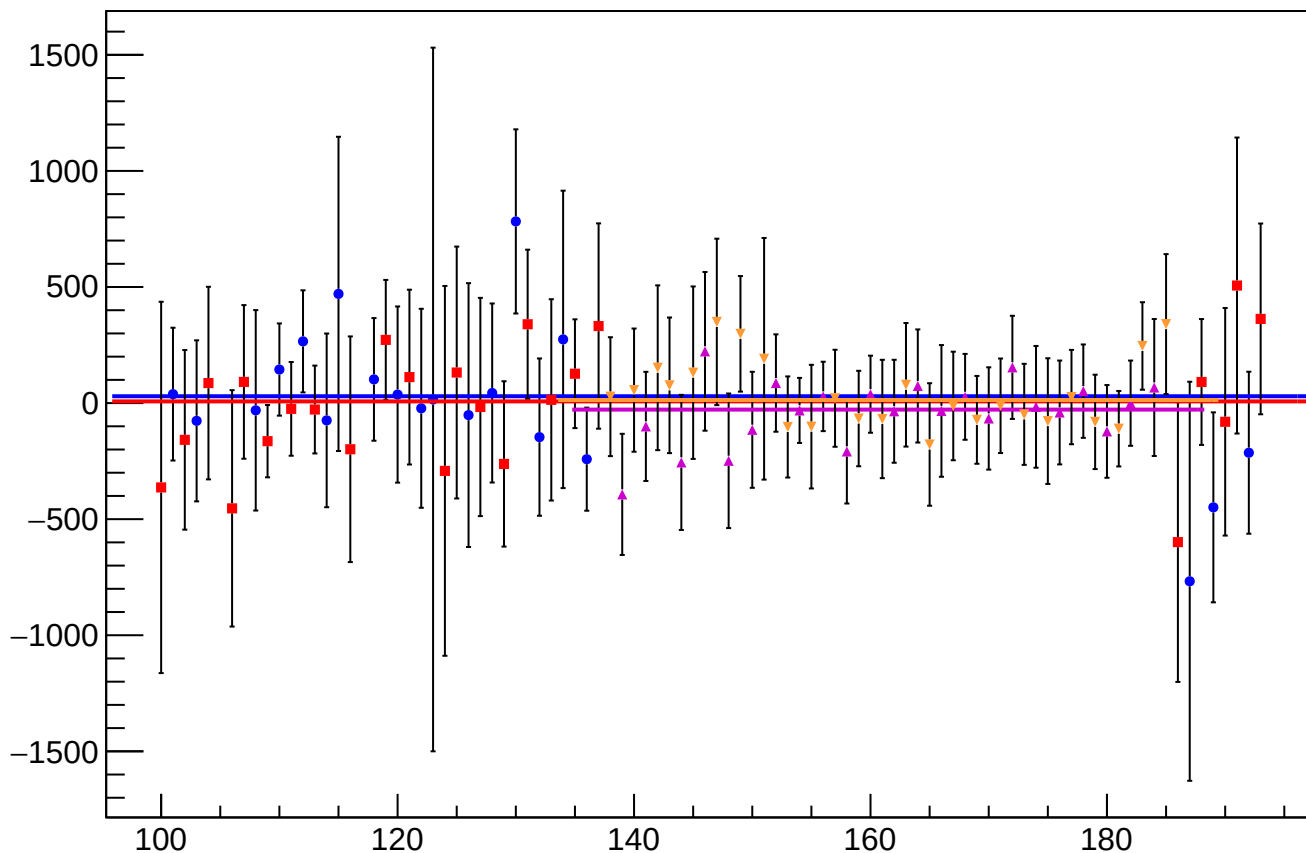
Left In: 11.384 $\pm$ 0.002 χ^2/NDF : 149799.6/22

+ sign 11.374 $\pm$ 0.002 χ^2/NDF : 276536.3/44

All: 11.374 $\pm$ 0.001 χ^2/NDF : 599108.4/91

- sign 11.373 $\pm$ 0.002 χ^2/NDF : 322572.0/46

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 29.425 $\pm$ 76.337 χ^2 /NDF: 10.4/19

Left Out: 13.323 $\pm$ 47.662 χ^2 /NDF: 7.9/24

Right Out: 7.284 $\pm$ 65.696 χ^2 /NDF: 9.0/23

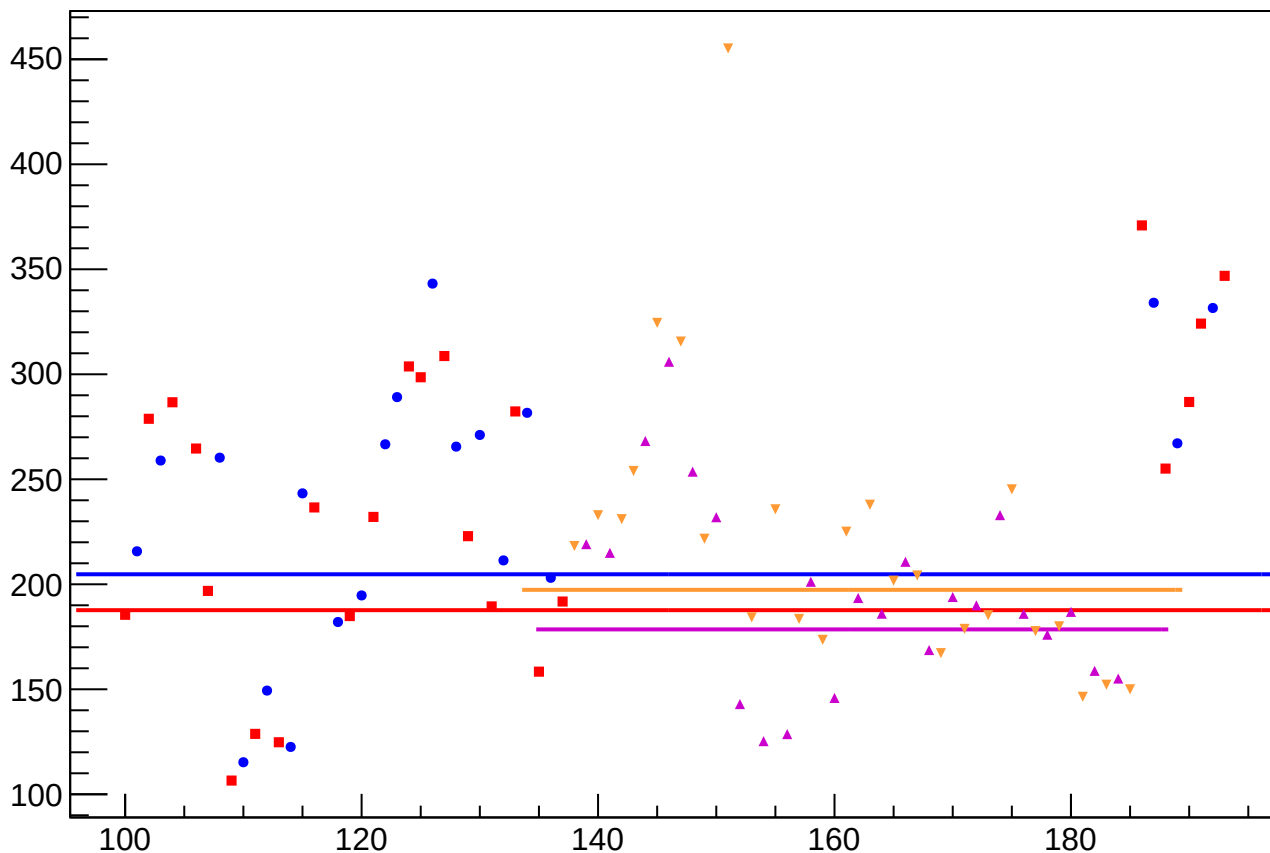
Left In: -28.050 $\pm$ 44.681 χ^2 /NDF: 6.6/22

+ sign 17.839 $\pm$ 40.429 χ^2 /NDF: 18.4/44

All: -1.077 $\pm$ 27.273 χ^2 /NDF: 34.6/91

- sign -16.875 $\pm$ 36.946 χ^2 /NDF: 15.9/46

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 204.766 $\pm$ 0.054 χ^2 /NDF: 1395281.0/19

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 187.672 $\pm$ 0.046 χ^2 /NDF: 2442687.7/23

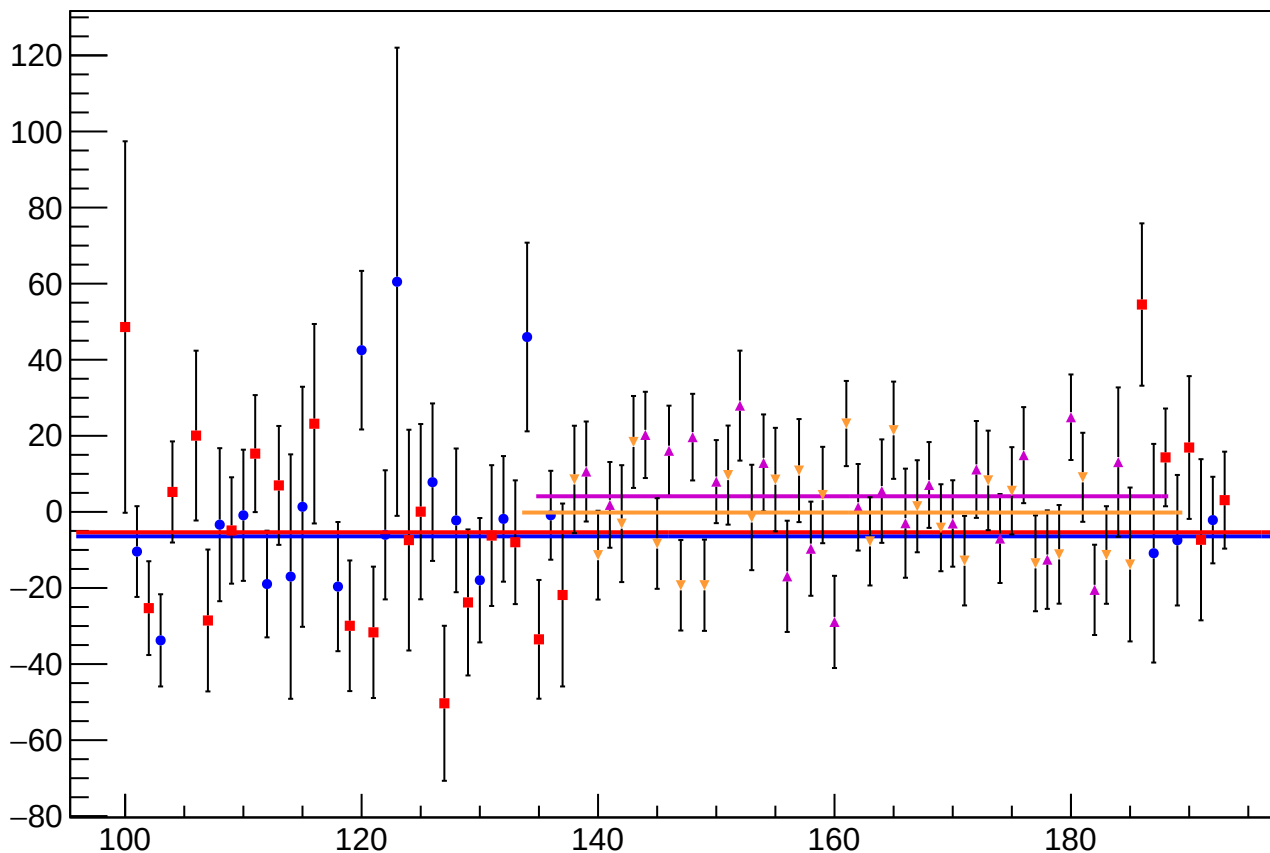
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 199.434 $\pm$ 0.029 χ^2 /NDF: 3199669.0/44

All: 189.612 $\pm$ 0.019 χ^2 /NDF: 7527878.1/91

- sign 181.409 $\pm$ 0.026 χ^2 /NDF: 4111573.4/46

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.422 ± 3.778 $\chi^2/\text{NDF}: 19.6/19$

Left Out: -0.170 ± 2.520 $\chi^2/\text{NDF}: 24.4/24$

Right Out: -5.349 ± 3.549 $\chi^2/\text{NDF}: 37.0/23$

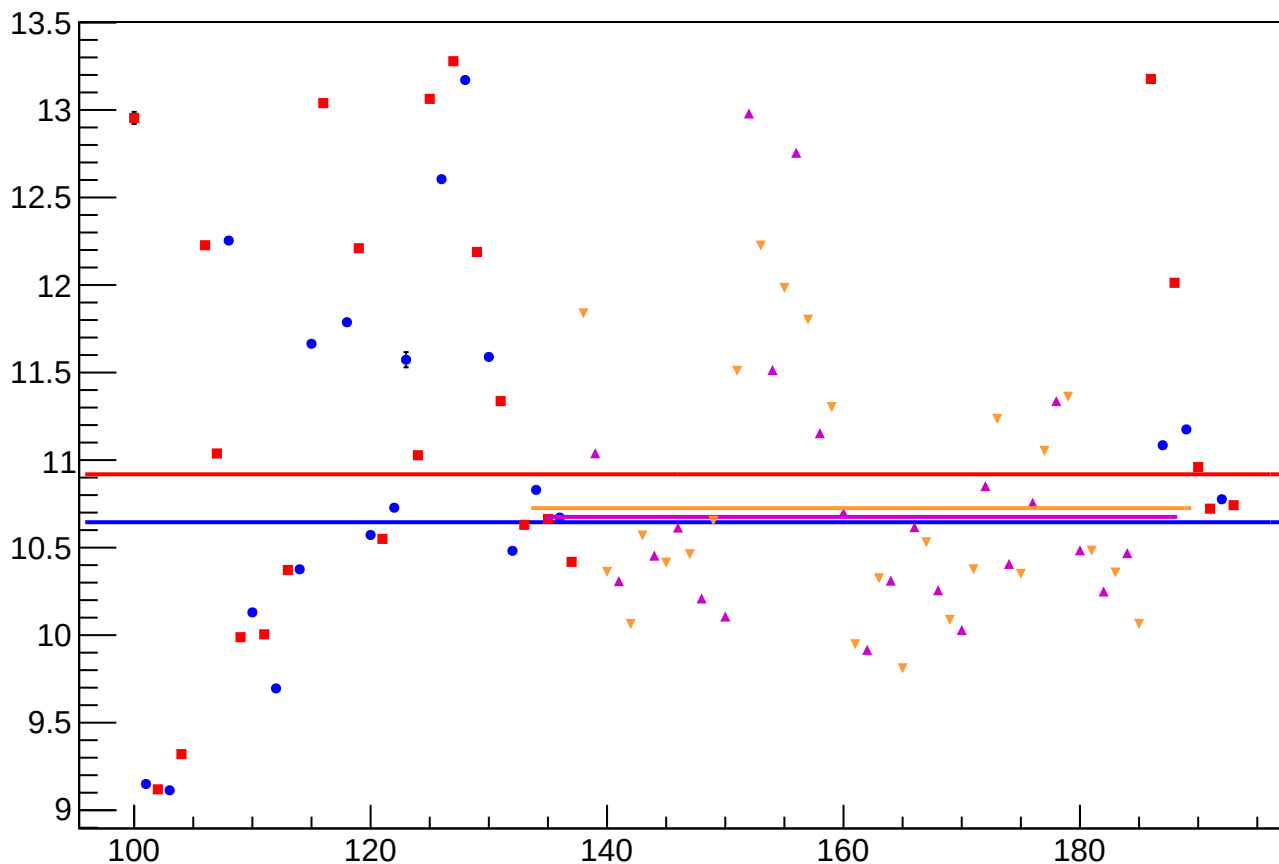
Left In: 4.107 ± 2.577 $\chi^2/\text{NDF}: 31.5/22$

+ sign -2.096 ± 2.097 $\chi^2/\text{NDF}: 45.8/44$

All: -0.619 ± 1.479 $\chi^2/\text{NDF}: 120.0/91$

- sign 0.842 ± 2.085 $\chi^2/\text{NDF}: 73.2/46$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.645 $\pm$ 0.003 χ^2/NDF : 162255.1/19

Left Out: 10.725 $\pm$ 0.002 χ^2/NDF : 132170.8/24

Right Out: 10.919 $\pm$ 0.003 χ^2/NDF : 219102.4/23

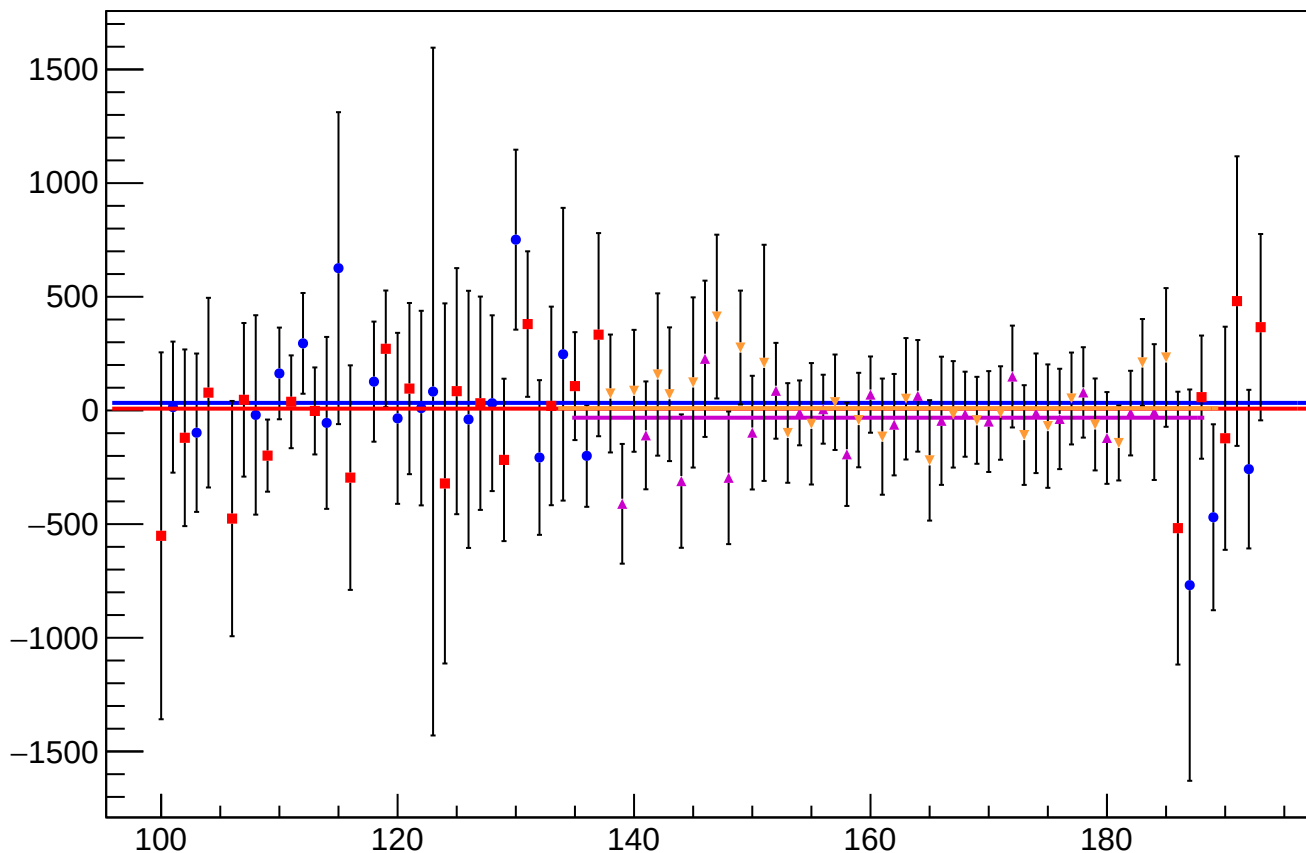
Left In: 10.675 $\pm$ 0.002 χ^2/NDF : 145938.2/22

+ sign 10.701 $\pm$ 0.001 χ^2/NDF : 295053.7/44

All: 10.730 $\pm$ 0.001 χ^2/NDF : 667038.5/91

- sign 10.759 $\pm$ 0.001 χ^2/NDF : 371195.3/46

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 33.267 ± 76.800 $\chi^2/\text{NDF}: 11.0/19$

Left Out: 9.801 ± 47.979 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 7.946 ± 66.237 $\chi^2/\text{NDF}: 9.6/23$

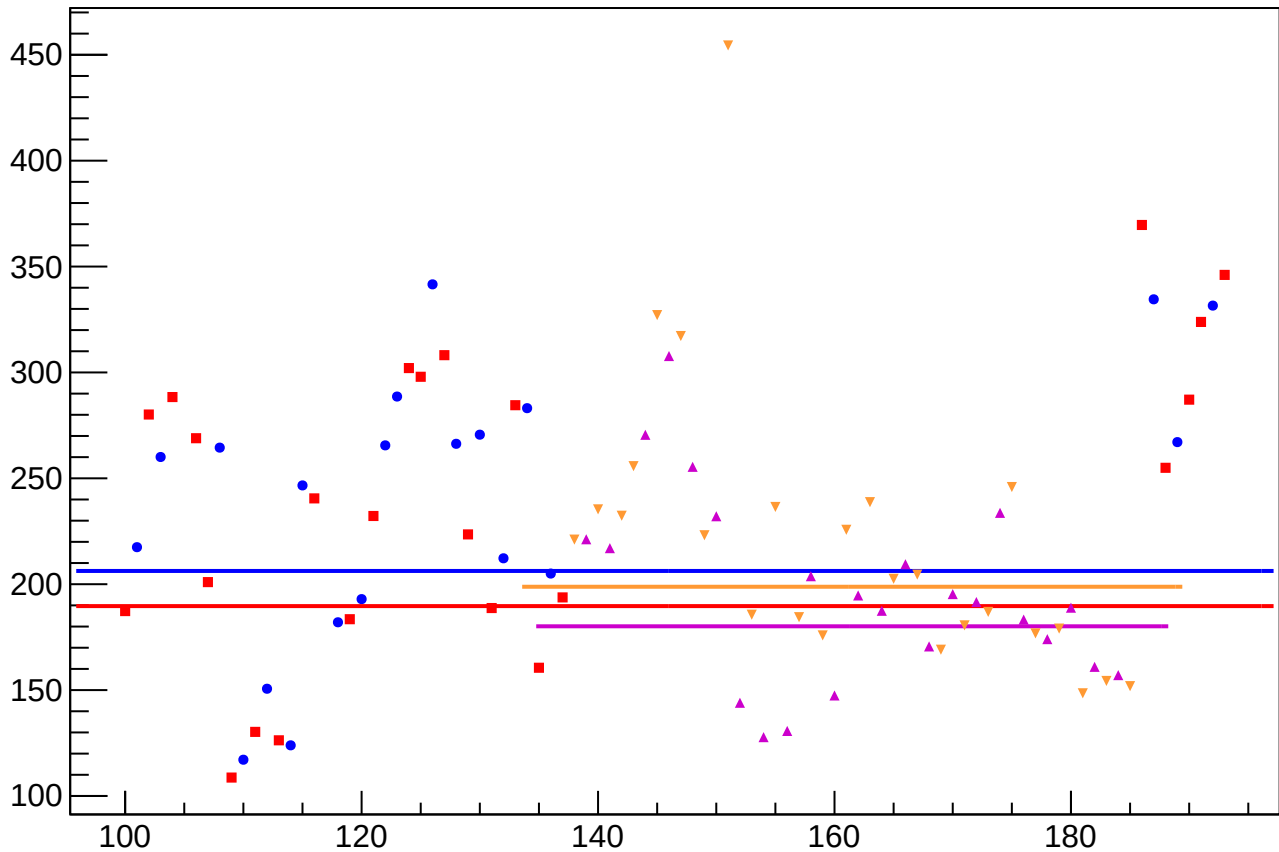
Left In: -31.989 ± 45.038 $\chi^2/\text{NDF}: 7.2/22$

+ sign 16.389 ± 40.691 $\chi^2/\text{NDF}: 18.6/44$

All: -3.065 ± 27.473 $\chi^2/\text{NDF}: 36.0/91$

- sign -19.363 ± 37.244 $\chi^2/\text{NDF}: 17.0/46$

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 206.257 ± 0.054 $\chi^2/\text{NDF}: 1359679.7/19$

Left Out: 198.800 ± 0.034 $\chi^2/\text{NDF}: 1763119.1/24$

Right Out: 189.662 ± 0.047 $\chi^2/\text{NDF}: 2372790.6/23$

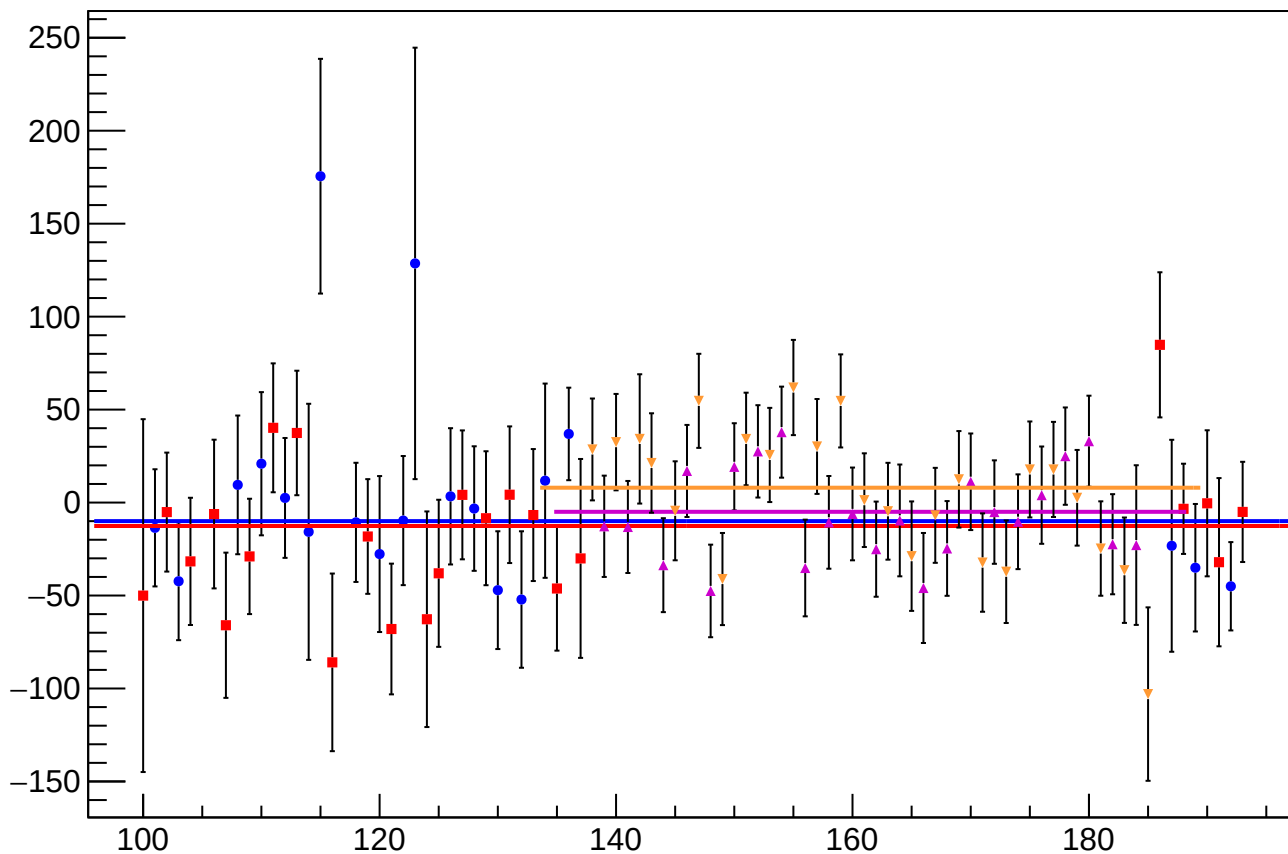
Left In: 180.123 ± 0.032 $\chi^2/\text{NDF}: 1593842.6/22$

+ sign 200.893 ± 0.029 $\chi^2/\text{NDF}: 3136358.9/44$

All: 191.232 ± 0.019 $\chi^2/\text{NDF}: 7338543.0/91$

- sign 183.139 ± 0.026 $\chi^2/\text{NDF}: 3994995.1/46$

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -9.977 ± 8.019 χ^2/NDF : 21.7/19

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -12.606 ± 7.358 χ^2/NDF : 21.6/23

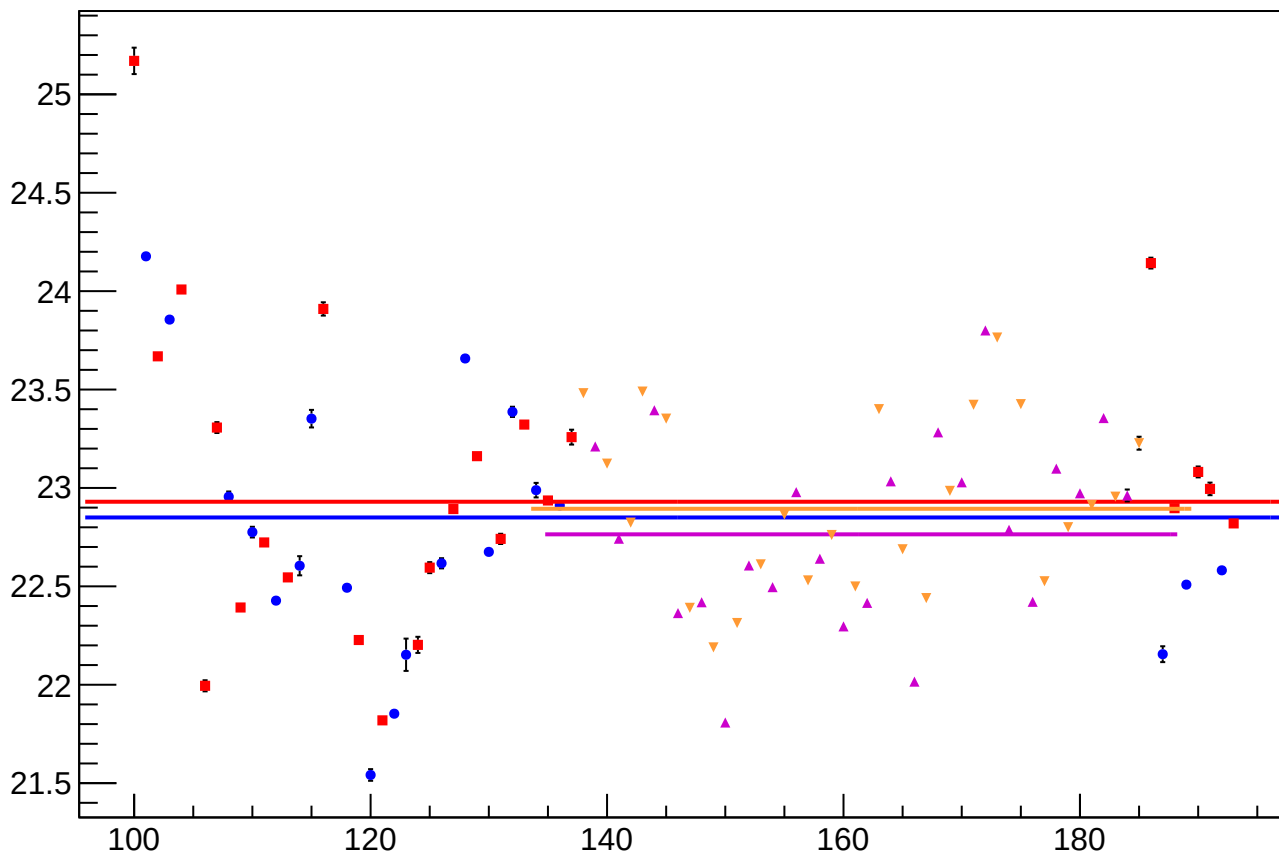
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 2.488 ± 4.437 χ^2/NDF : 62.6/44

All: -2.663 ± 3.116 χ^2/NDF : 108.1/91

- sign -7.674 ± 4.377 χ^2/NDF : 42.8/46

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.850 $\pm$ 0.006 χ^2 /NDF: 12504.2/19

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.930 $\pm$ 0.005 χ^2 /NDF: 13176.5/23

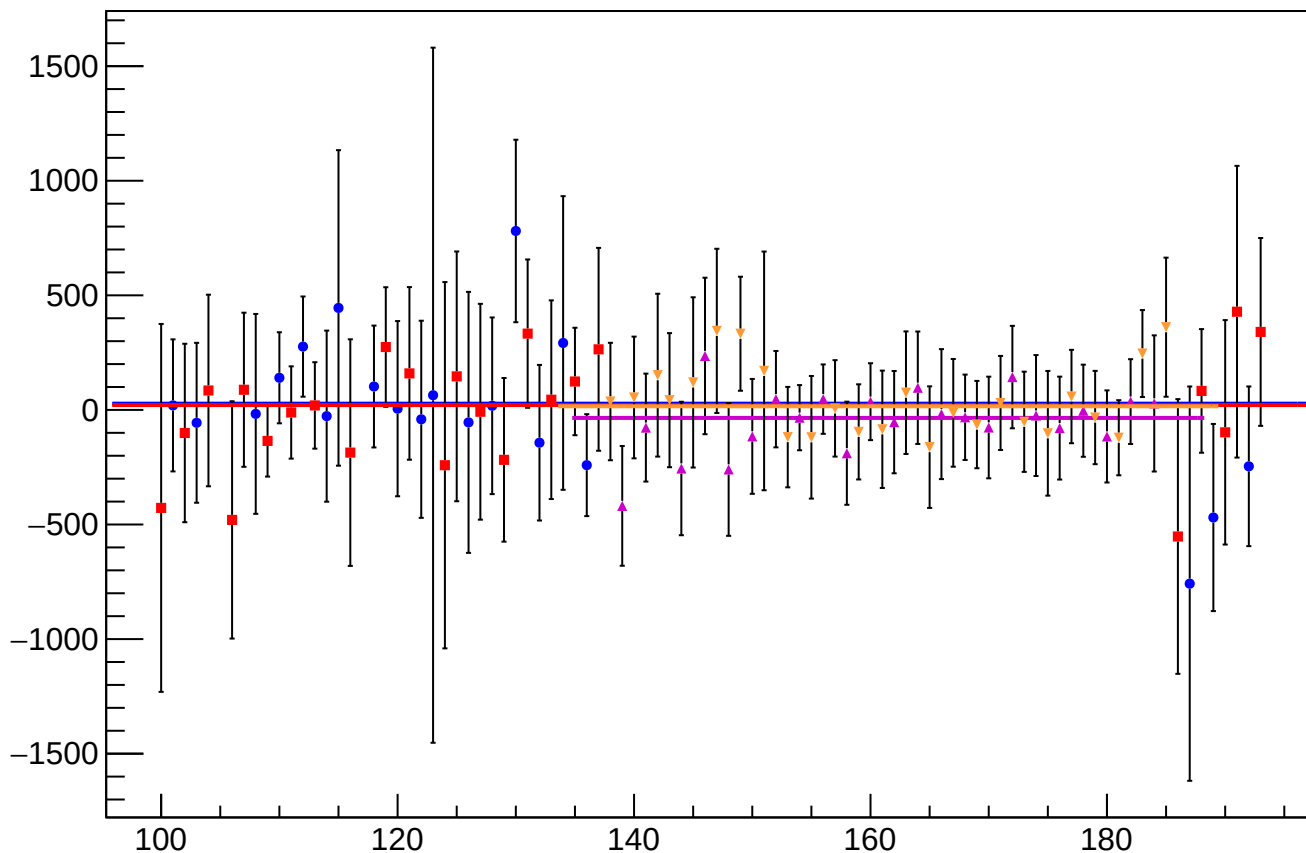
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.881 $\pm$ 0.003 χ^2 /NDF: 25616.8/44

All: 22.851 $\pm$ 0.002 χ^2 /NDF: 54285.5/91

- sign 22.823 $\pm$ 0.003 χ^2 /NDF: 28497.1/46

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 27.273+/-76.483 χ^2/NDF : 10.6/19

Left Out: 15.904+/-47.898 χ^2/NDF : 8.4/24

Right Out: 21.232+/-65.810 χ^2/NDF : 7.8/23

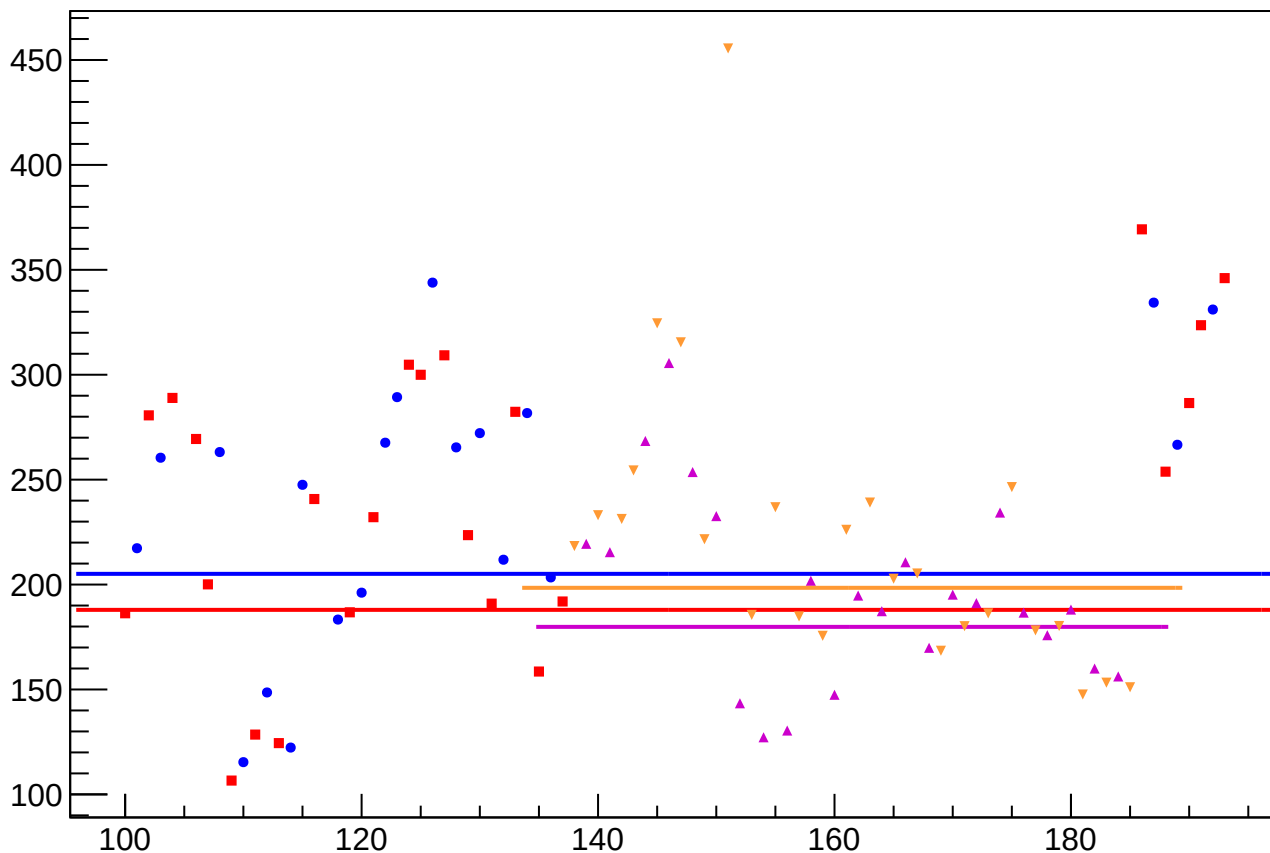
Left In: -34.919+/-44.971 χ^2/NDF : 6.6/22

+ sign 19.106+/-40.595 χ^2/NDF : 19.0/44

All: -0.578+/-27.398 χ^2/NDF : 34.3/91

- sign -17.045+/-37.130 χ^2/NDF : 14.9/46

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 205.107 $\pm$ 0.054 χ^2 /NDF: 1406139.2/19

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 187.943 $\pm$ 0.047 χ^2 /NDF: 2458361.1/23

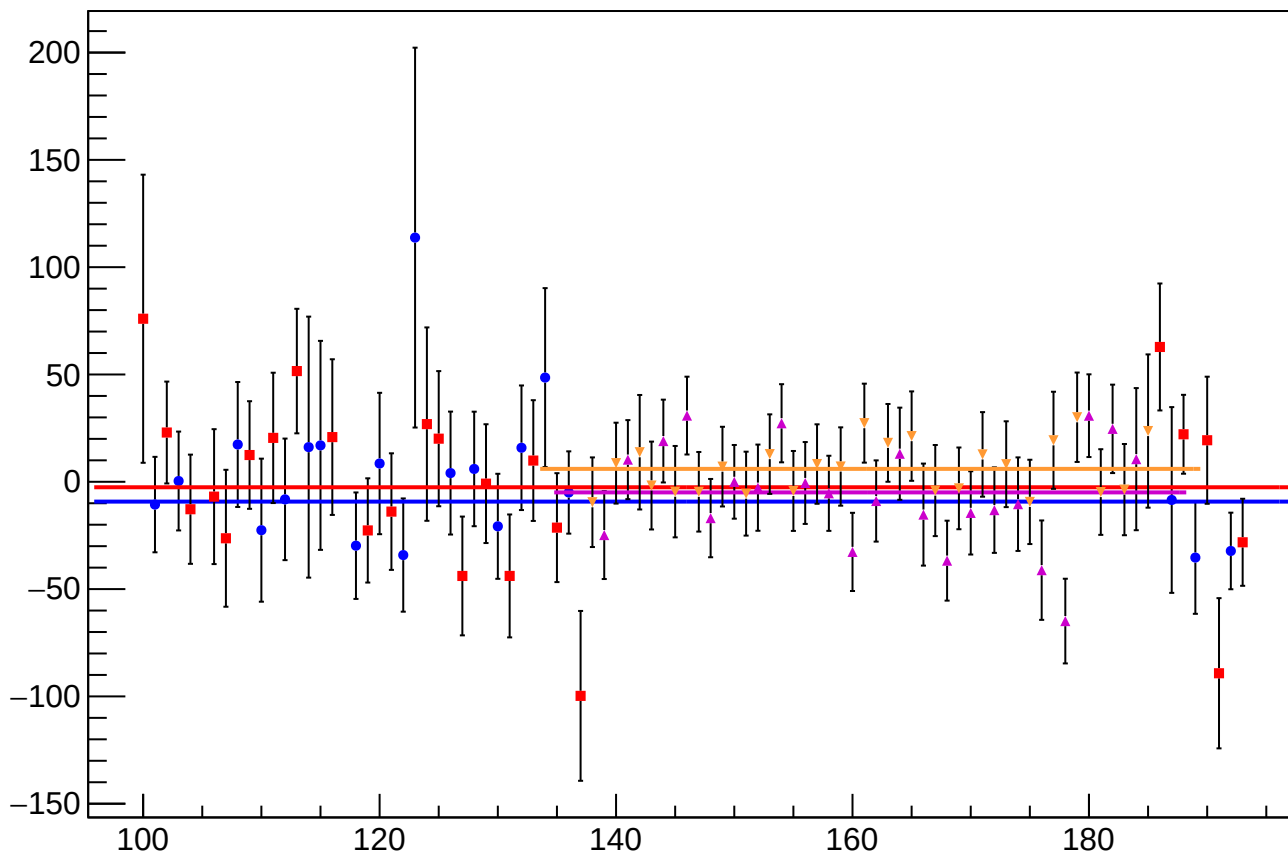
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 200.325 $\pm$ 0.029 χ^2 /NDF: 3178455.8/44

All: 190.575 $\pm$ 0.019 χ^2 /NDF: 7458211.3/91

- sign 182.419 $\pm$ 0.026 χ^2 /NDF: 4067868.1/46

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -9.234 ± 6.208 $\chi^2/\text{NDF}: 11.6/19$

Left Out: 6.020 ± 4.017 $\chi^2/\text{NDF}: 8.1/24$

Right Out: -2.553 ± 5.727 $\chi^2/\text{NDF}: 36.0/23$

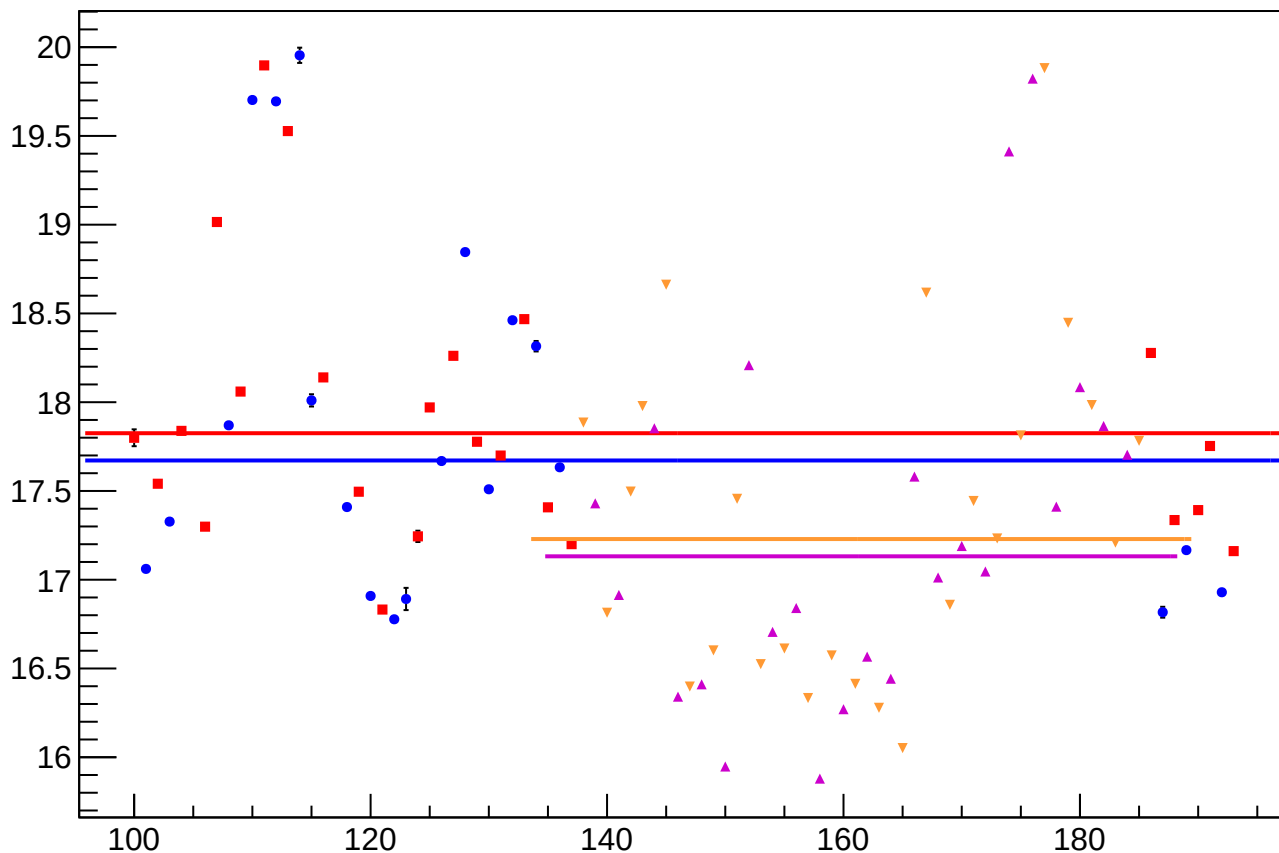
Left In: -4.943 ± 4.108 $\chi^2/\text{NDF}: 34.8/22$

+ sign 1.518 ± 3.373 $\chi^2/\text{NDF}: 24.0/44$

All: -1.336 ± 2.372 $\chi^2/\text{NDF}: 96.3/91$

- sign -4.132 ± 3.338 $\chi^2/\text{NDF}: 70.9/46$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.672 $\pm$ 0.004 χ^2 /NDF: 37254.9/19

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.825 $\pm$ 0.004 χ^2 /NDF: 30663.0/23

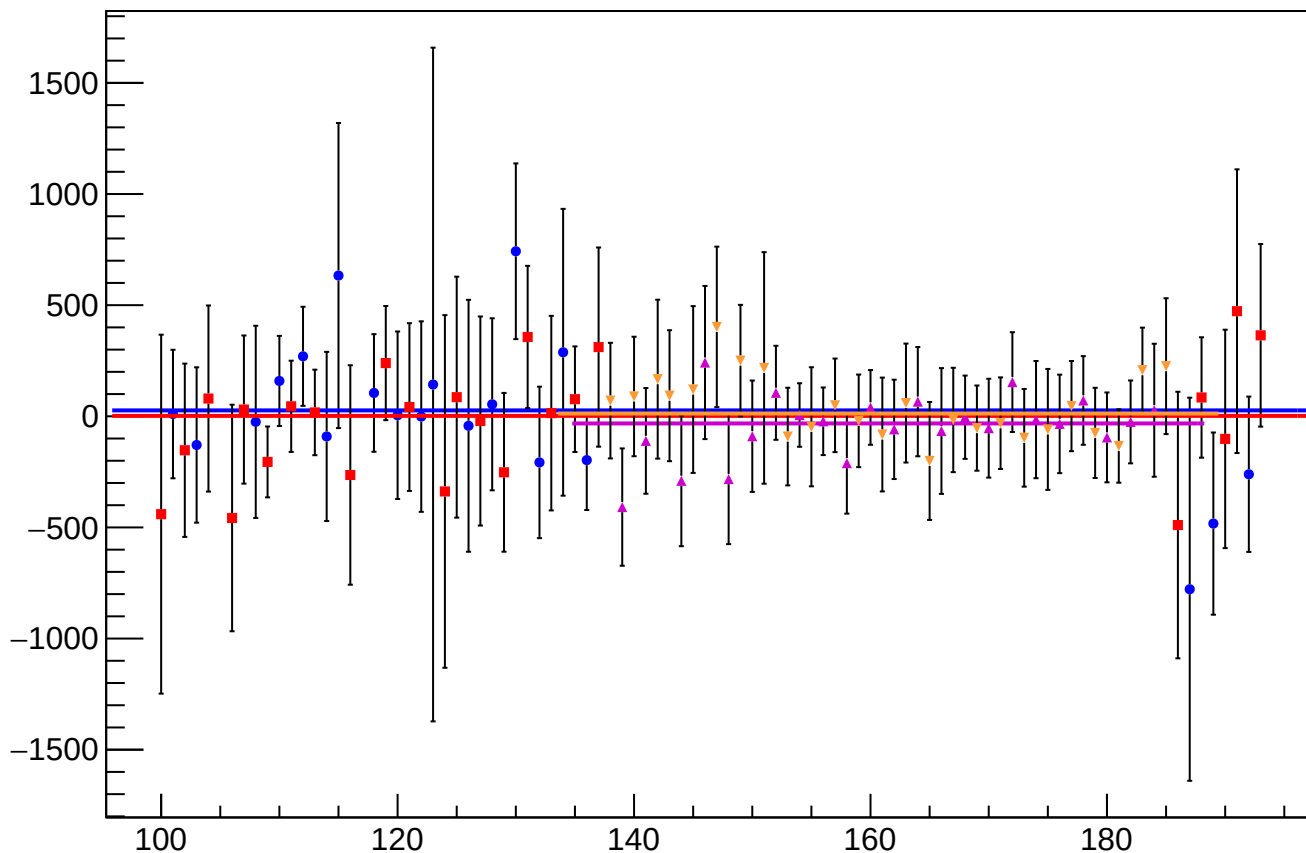
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.360 $\pm$ 0.002 χ^2 /NDF: 143045.7/44

All: 17.364 $\pm$ 0.002 χ^2 /NDF: 297077.4/91

- sign 17.367 $\pm$ 0.002 χ^2 /NDF: 154026.6/46

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 26.495 $\pm$ 76.986 χ^2 /NDF: 10.8/19

Left Out: 12.474 $\pm$ 48.086 χ^2 /NDF: 6.8/24

Right Out: 1.905 $\pm$ 66.371 χ^2 /NDF: 8.9/23

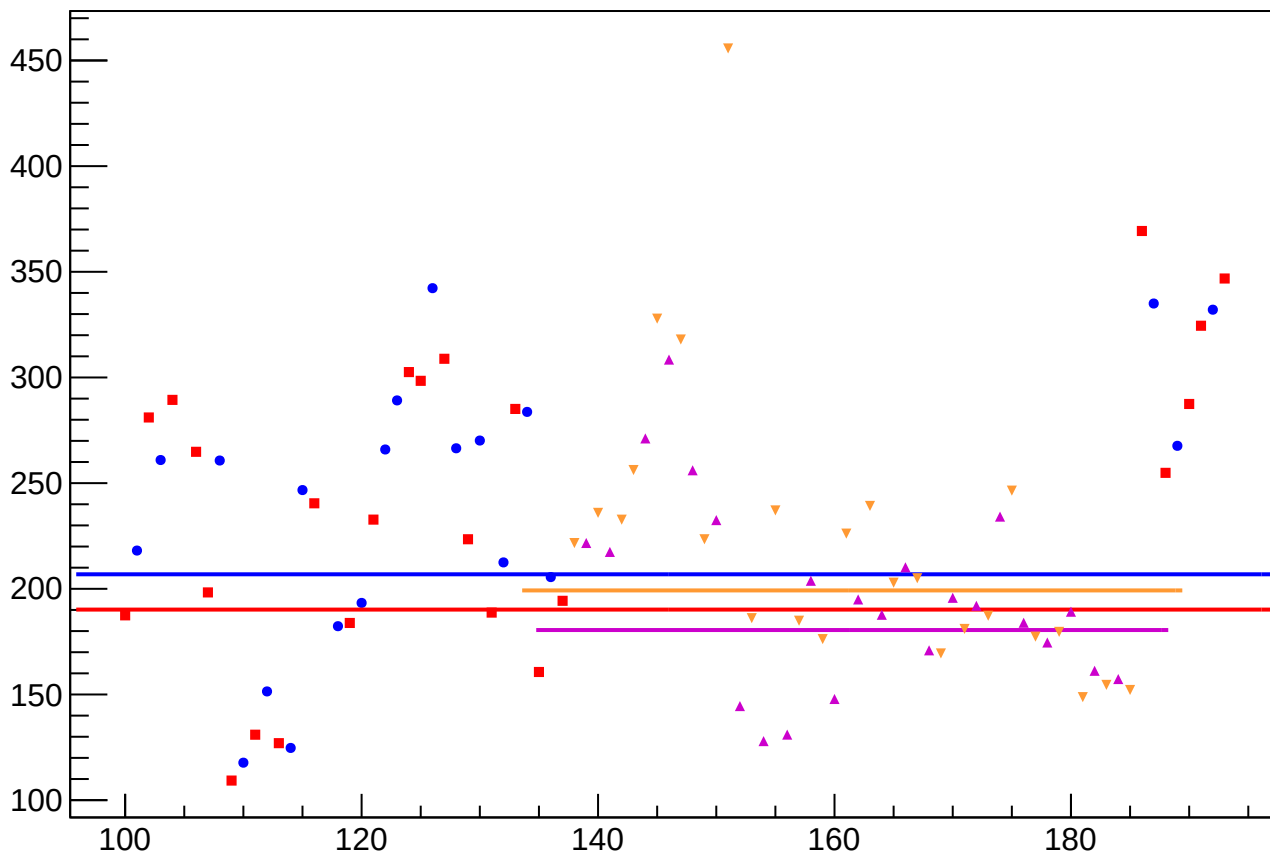
Left In: -32.159 $\pm$ 45.131 χ^2 /NDF: 6.9/22

+ sign 16.409 $\pm$ 40.784 χ^2 /NDF: 17.7/44

All: -4.163 $\pm$ 27.533 χ^2 /NDF: 34.2/91

- sign -21.389 $\pm$ 37.320 χ^2 /NDF: 16.0/46

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 206.869 $\pm$ 0.054 χ^2 /NDF: 1342898.7/19

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 190.171 $\pm$ 0.047 χ^2 /NDF: 2350186.2/23

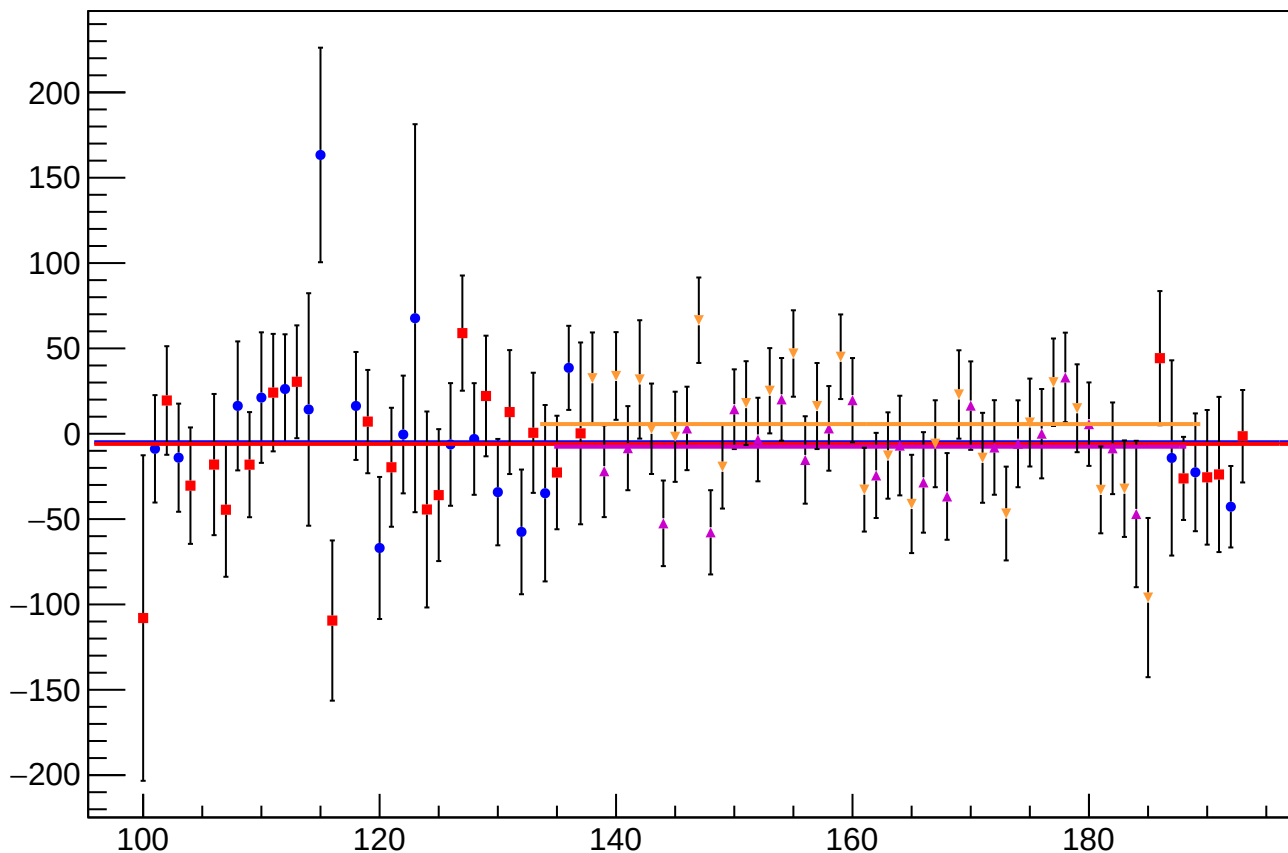
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 201.382 $\pm$ 0.029 χ^2 /NDF: 3121121.8/44

All: 191.679 $\pm$ 0.019 χ^2 /NDF: 7302179.7/91

- sign 183.554 $\pm$ 0.026 χ^2 /NDF: 3973046.9/46

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.979 $\pm$ 7.971 χ^2/NDF : 21.4/19

Left Out: 5.673 $\pm$ 5.278 χ^2/NDF :36.4/24

Right Out: -5.941 $\pm$ 7.318 χ^2/NDF : 19.4/23

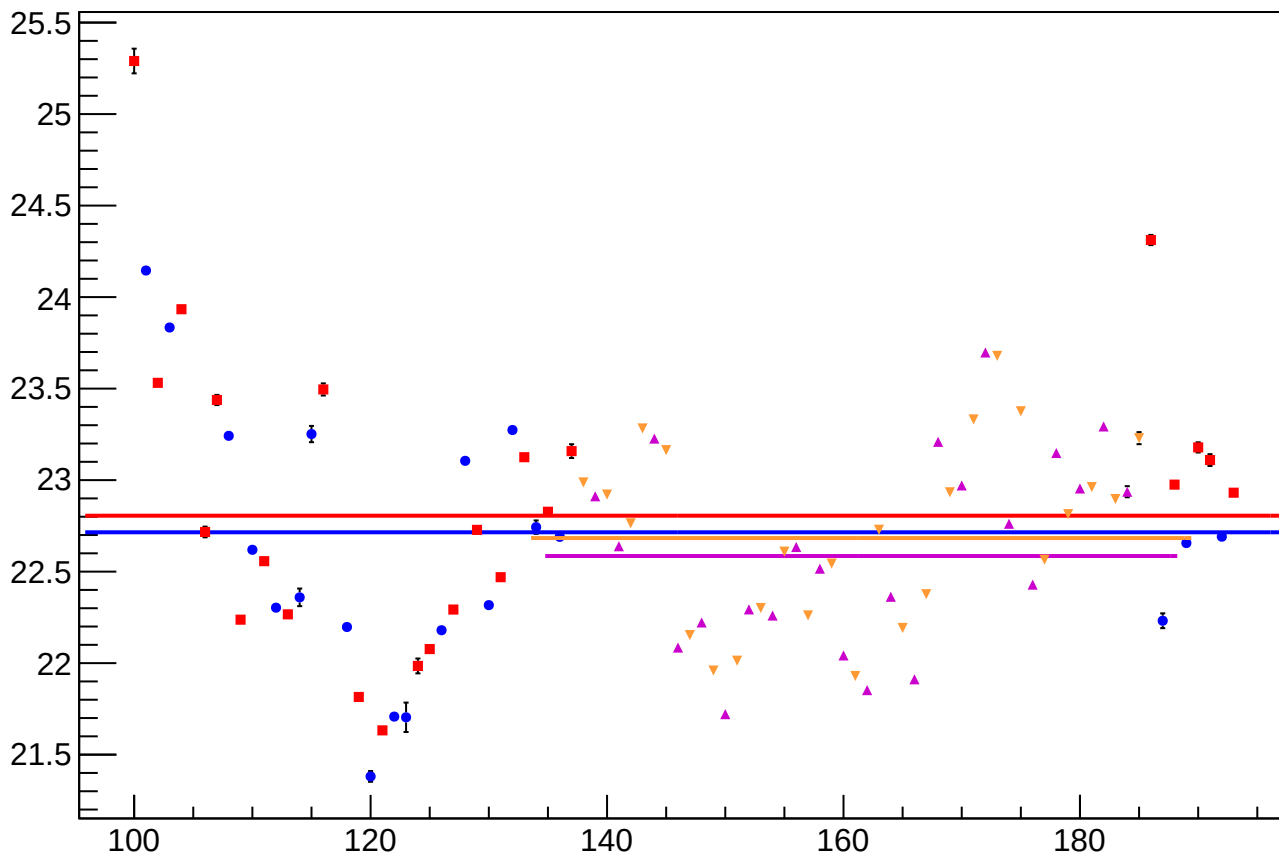
Left In: -7.594 $\pm$ 5.402 χ^2/NDF :18.3/22

+ sign 2.427 $\pm$ 4.401 χ^2/NDF : 59.0/44

All: -2.351 $\pm$ 3.092 χ^2/NDF : 99.1/91

- sign -7.011 $\pm$ 4.346 χ^2/NDF : 37.7/46

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.715 $\pm$ 0.006 χ^2 /NDF: 13689.8/19

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.806 $\pm$ 0.005 χ^2 /NDF: 16634.0/23

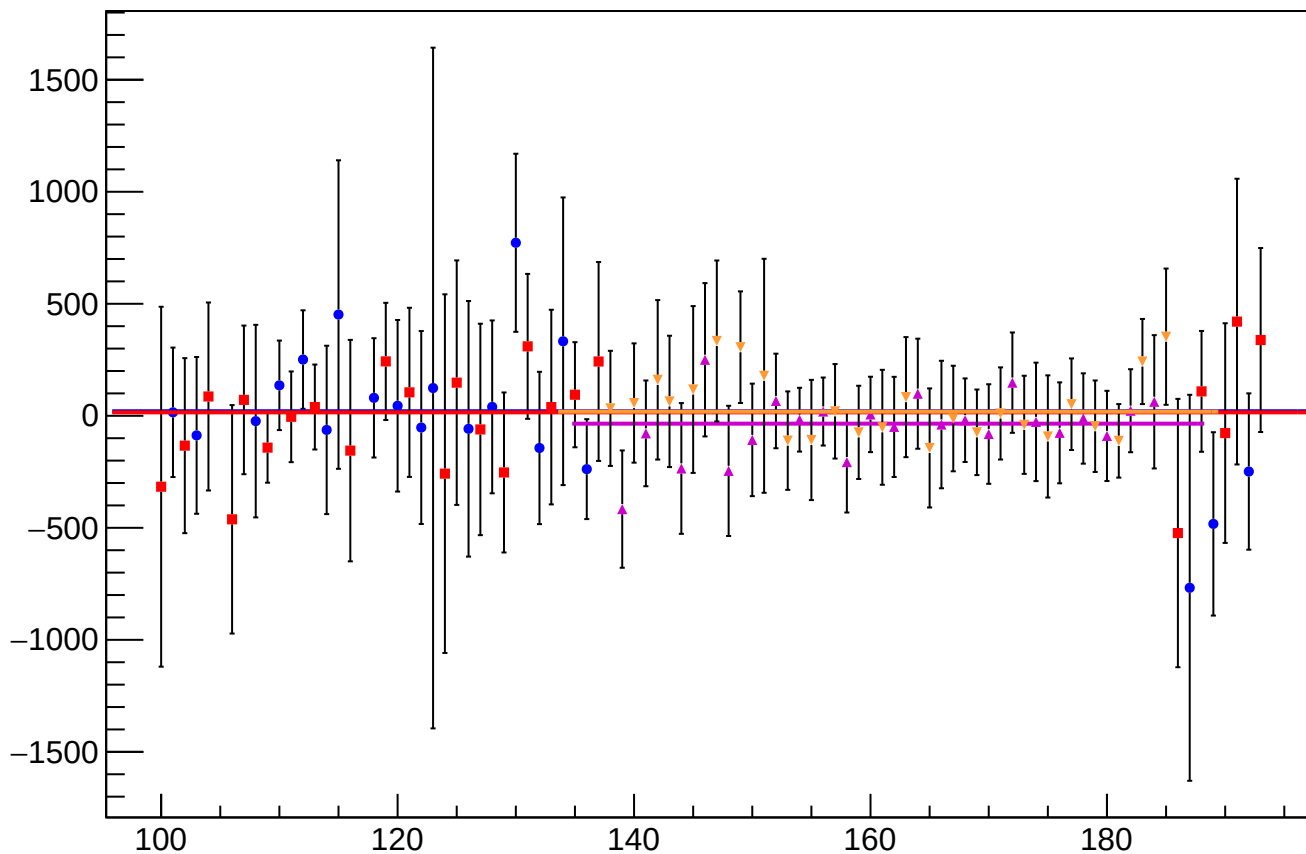
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.693 $\pm$ 0.003 χ^2 /NDF: 30029.6/44

All: 22.678 $\pm$ 0.002 χ^2 /NDF: 65972.2/91

- sign 22.663 $\pm$ 0.003 χ^2 /NDF: 35895.3/46

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 20.334 ± 76.671 $\chi^2/\text{NDF}: 10.4/19$

Left Out: 18.633 ± 48.006 $\chi^2/\text{NDF}: 7.6/24$

Right Out: 15.352 ± 65.947 $\chi^2/\text{NDF}: 7.2/23$

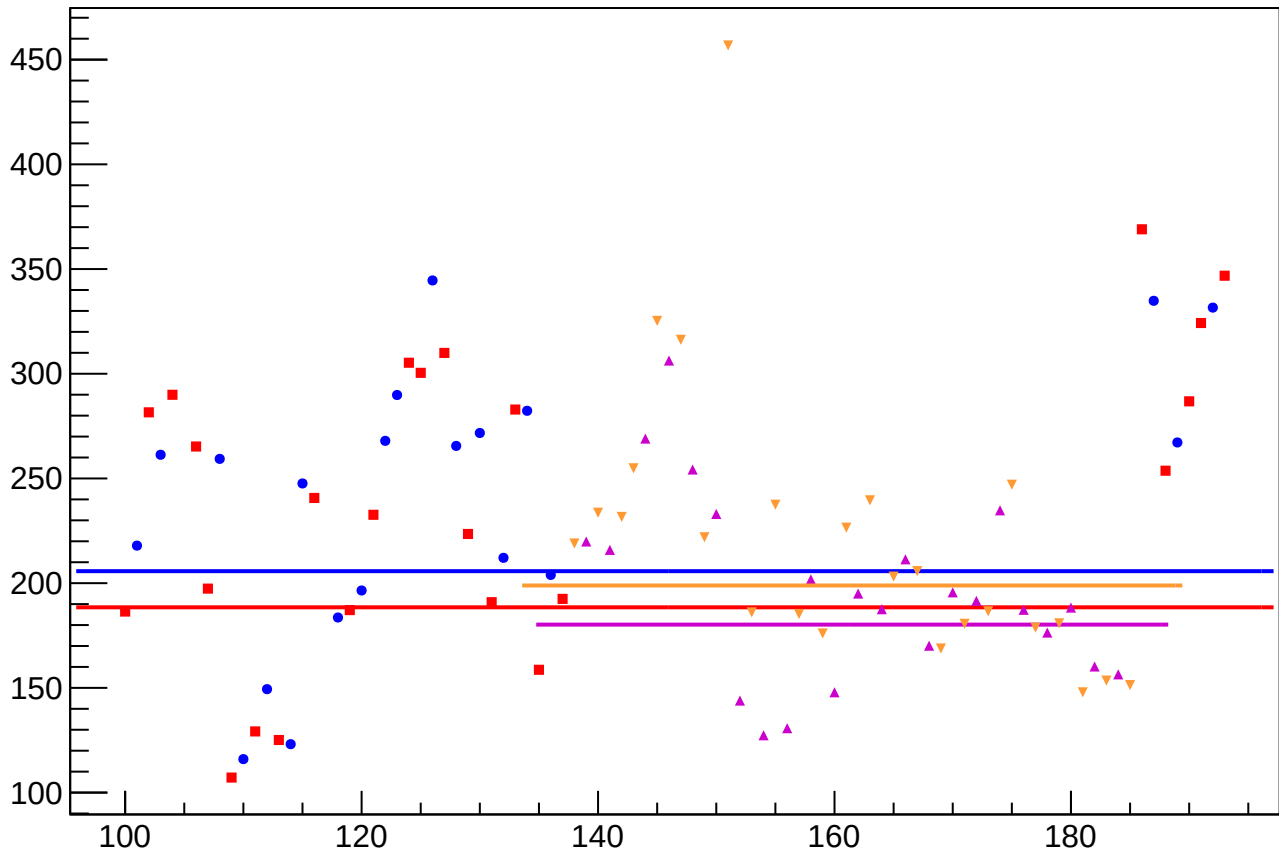
Left In: -35.046 ± 45.063 $\chi^2/\text{NDF}: 6.3/22$

+ sign 19.112 ± 40.688 $\chi^2/\text{NDF}: 18.0/44$

All: -1.647 ± 27.457 $\chi^2/\text{NDF}: 32.4/91$

- sign -19.004 ± 37.206 $\chi^2/\text{NDF}: 13.9/46$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 205.731 $\pm$ 0.054 χ^2 /NDF: 1388562.1/19

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF: 1762454.6/24

Right Out: 188.469 $\pm$ 0.047 χ^2 /NDF: 2434593.3/23

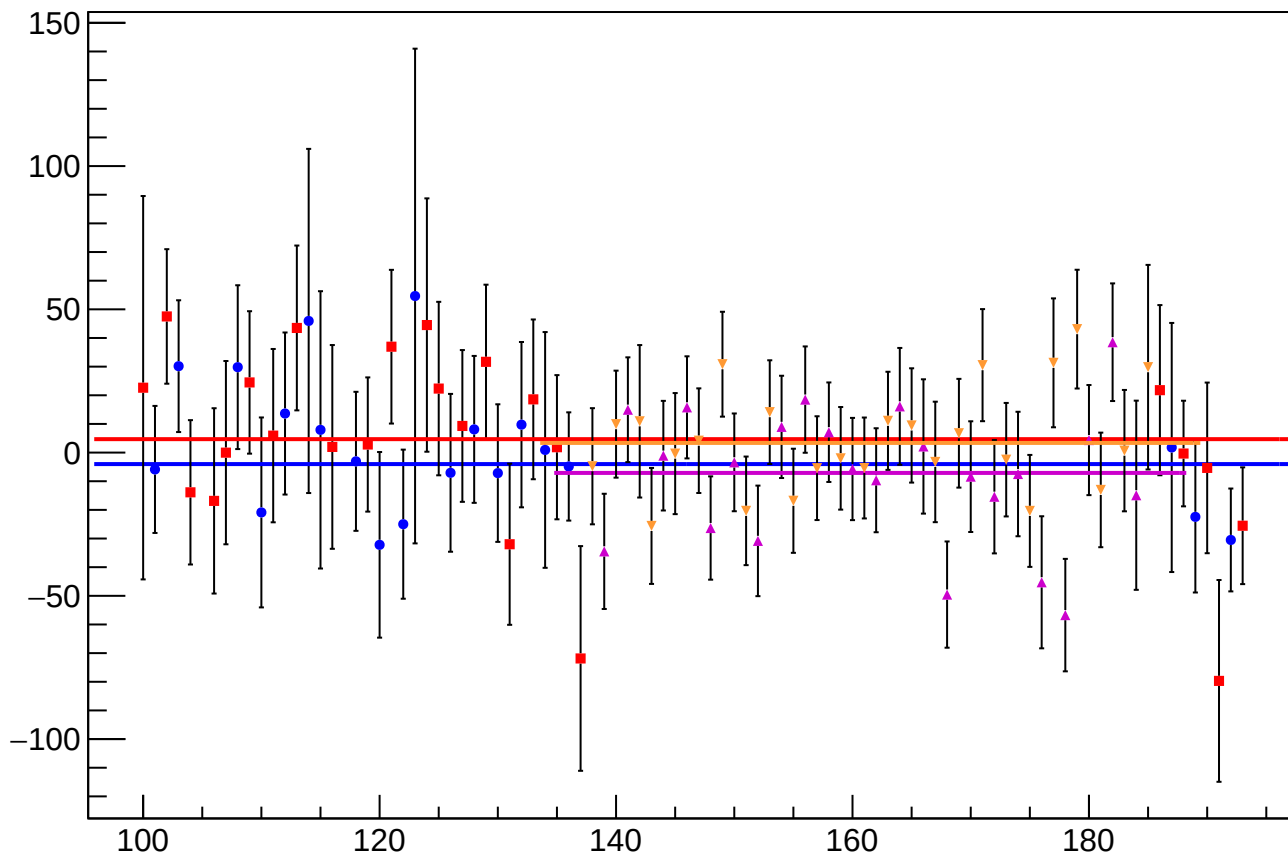
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF: 1589005.4/22

+ sign 200.817 $\pm$ 0.029 χ^2 /NDF: 3162453.8/44

All: 191.025 $\pm$ 0.019 χ^2 /NDF: 7420152.3/91

- sign 182.837 $\pm$ 0.026 χ^2 /NDF: 4044995.6/46

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.015 ± 6.142 χ^2/NDF : 10.1/19

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 4.688 ± 5.673 χ^2/NDF : 24.7/23

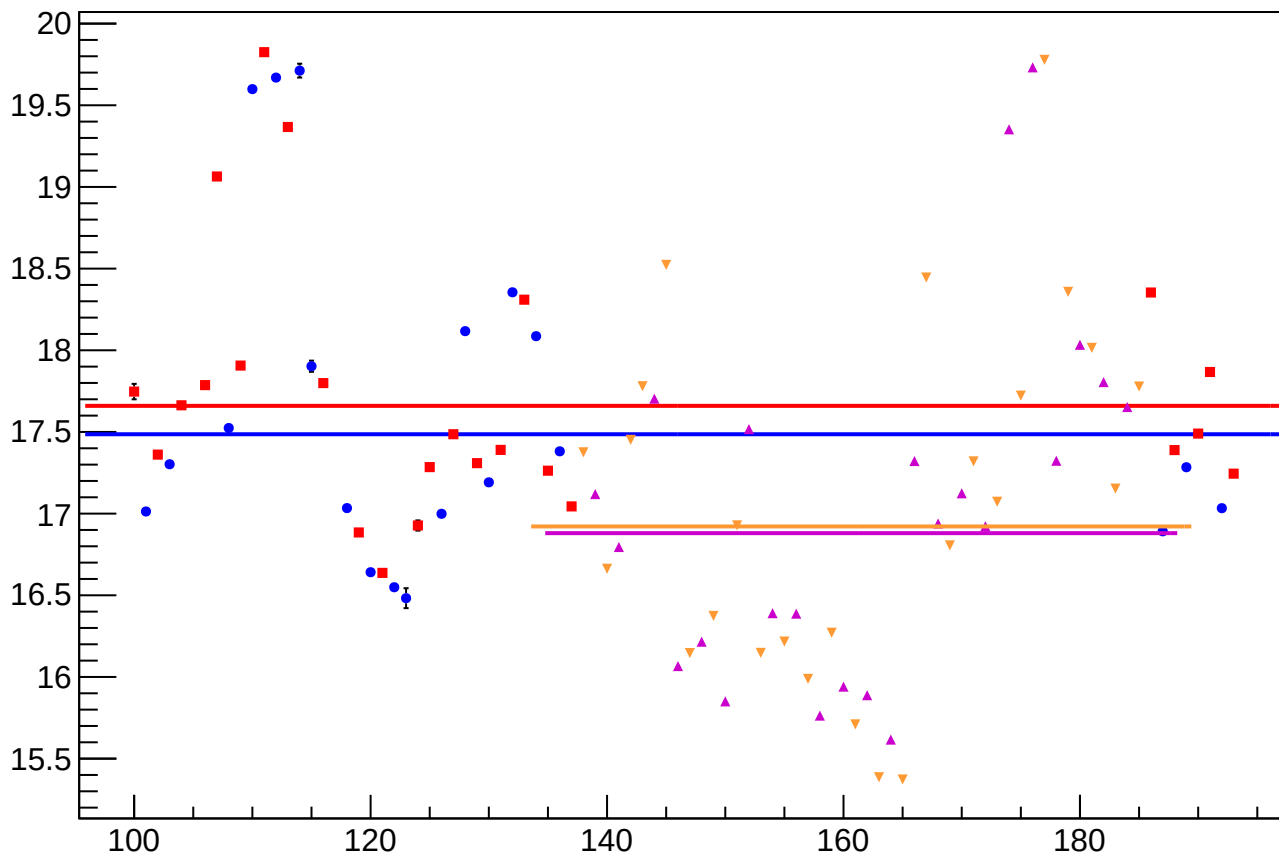
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.213 ± 3.320 χ^2/NDF : 29.9/44

All: -0.972 ± 2.339 χ^2/NDF : 90.9/91

- sign -3.123 ± 3.295 χ^2/NDF : 60.1/46

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.486 $\pm$ 0.004 χ^2 /NDF: 35100.4/19

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF: 138990.4/24

Right Out: 17.660 $\pm$ 0.004 χ^2 /NDF: 32859.2/23

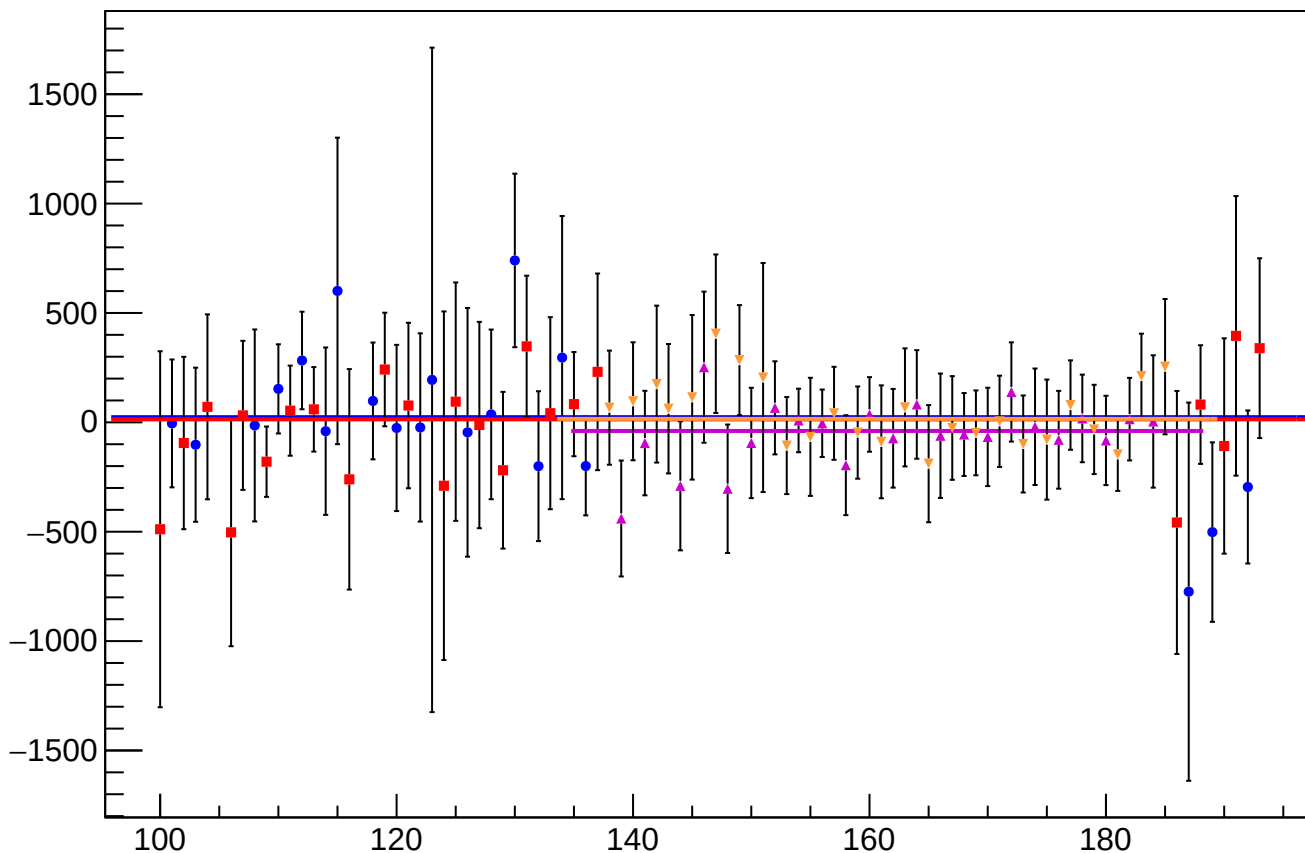
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF: 121736.1/22

+ sign 17.086 $\pm$ 0.002 χ^2 /NDF: 186045.3/44

All: 17.115 $\pm$ 0.002 χ^2 /NDF: 365952.3/91

- sign 17.143 $\pm$ 0.002 χ^2 /NDF: 179610.9/46

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 23.739 $\pm$ 77.404 χ^2 /NDF: 10.9/19

Left Out: 15.970 $\pm$ 48.503 χ^2 /NDF: 7.4/24

Right Out: 13.713 $\pm$ 66.787 χ^2 /NDF: 7.8/23

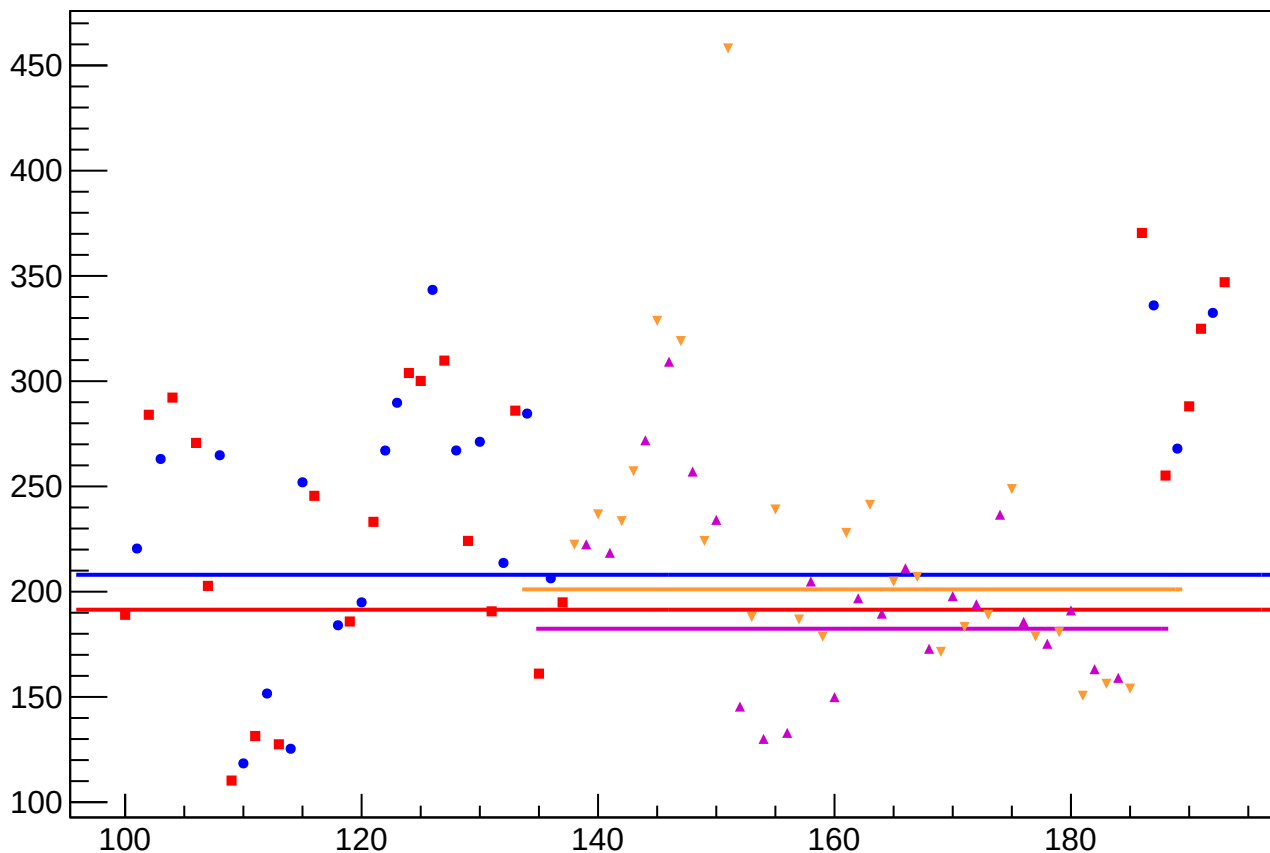
Left In: -39.377 $\pm$ 45.571 χ^2 /NDF: 6.9/22

+ sign 18.160 $\pm$ 41.101 χ^2 /NDF: 18.3/44

All: -3.958 $\pm$ 27.760 χ^2 /NDF: 33.9/91

- sign -22.512 $\pm$ 37.643 χ^2 /NDF: 15.1/46

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 208.027 $\pm$ 0.055 χ^2 /NDF: 1342090.4/19

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 191.438 $\pm$ 0.047 χ^2 /NDF: 2346168.5/23

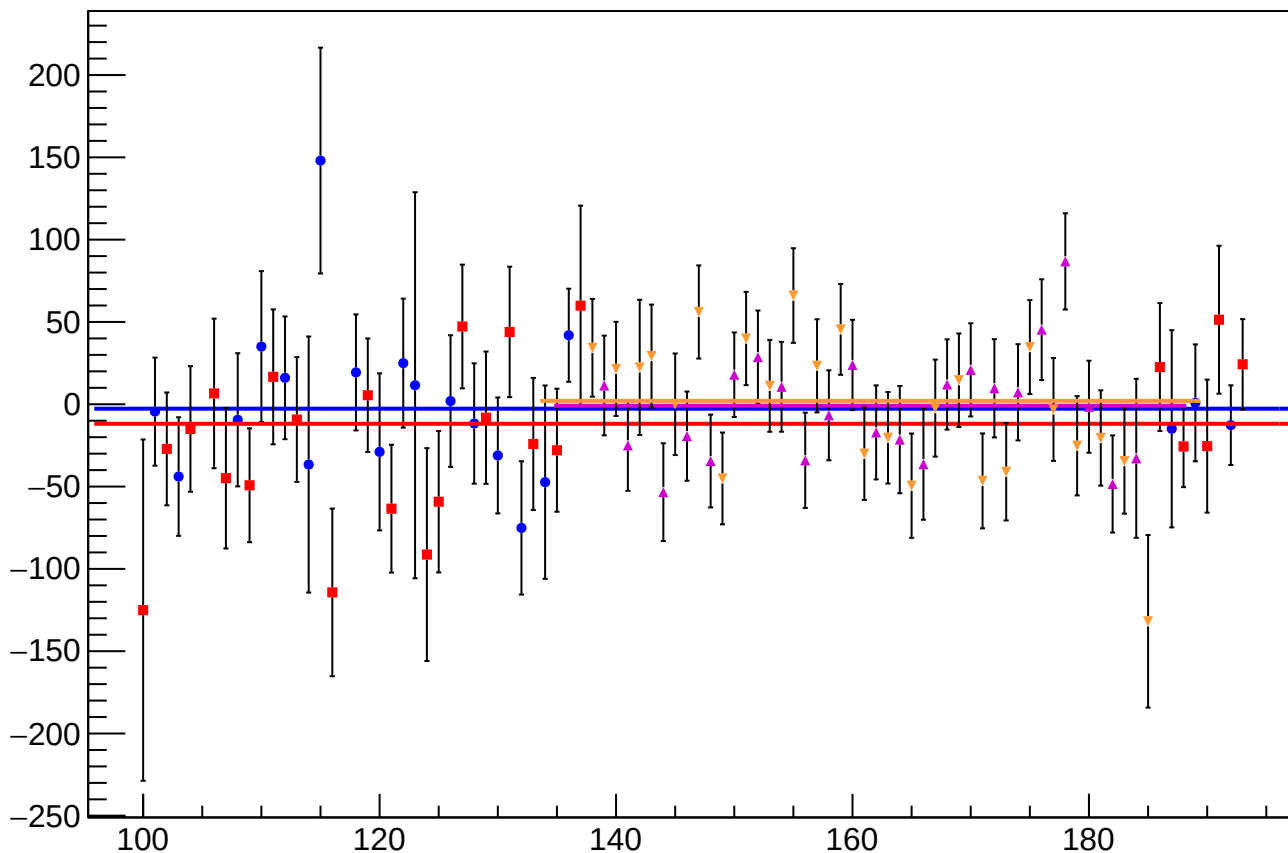
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 203.047 $\pm$ 0.029 χ^2 /NDF: 3084689.9/44

All: 193.378 $\pm$ 0.020 χ^2 /NDF: 7208281.1/91

- sign 185.268 $\pm$ 0.027 χ^2 /NDF: 3920088.8/46

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -2.684 ± 8.783 $\chi^2/\text{NDF}: 15.7/19$

Left Out: 2.054 ± 5.970 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -11.852 ± 7.963 $\chi^2/\text{NDF}: 23.7/23$

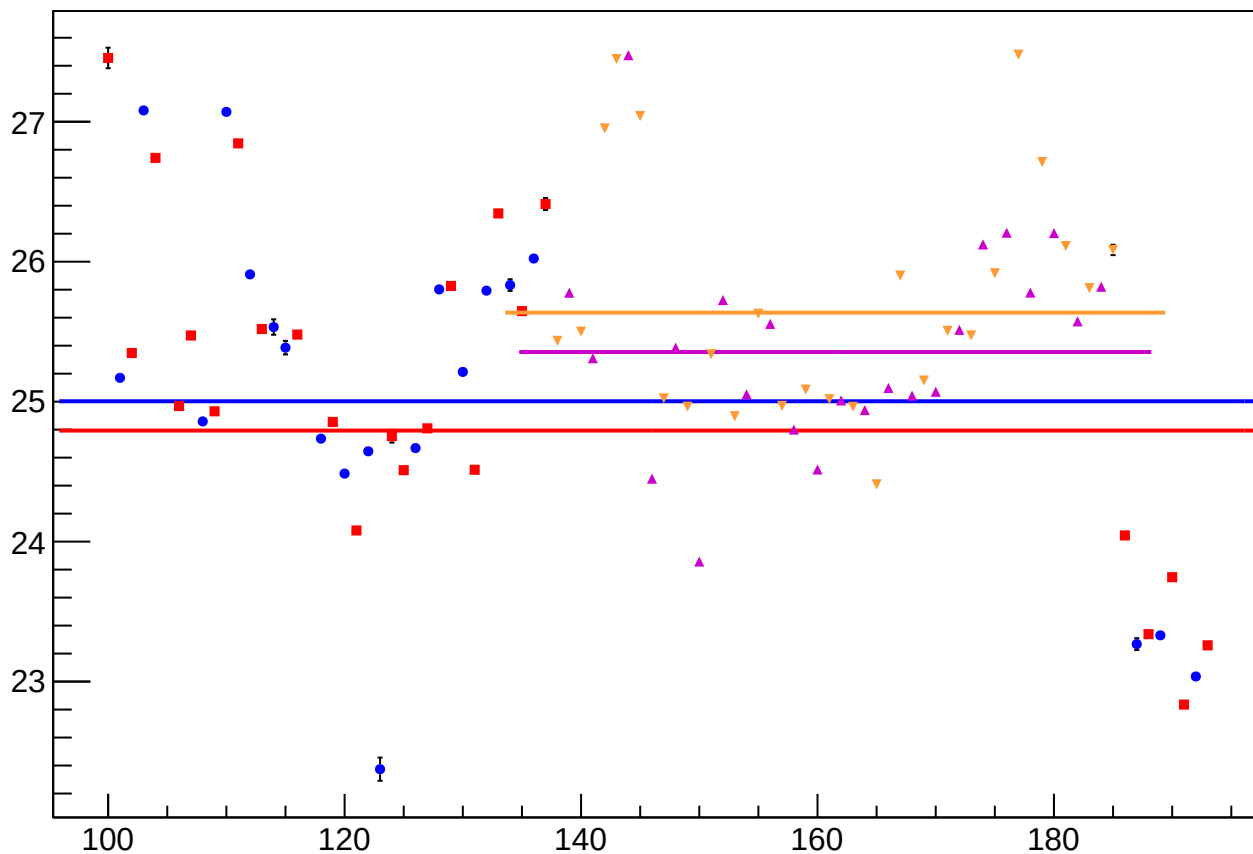
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 0.557 ± 4.938 $\chi^2/\text{NDF}: 55.3/44$

All: -2.246 ± 3.452 $\chi^2/\text{NDF}: 107.9/91$

- sign -4.925 ± 4.827 $\chi^2/\text{NDF}: 51.9/46$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.003 $\pm$ 0.006 χ^2 /NDF: 37913.9/19

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.793 $\pm$ 0.006 χ^2 /NDF: 40440.3/23

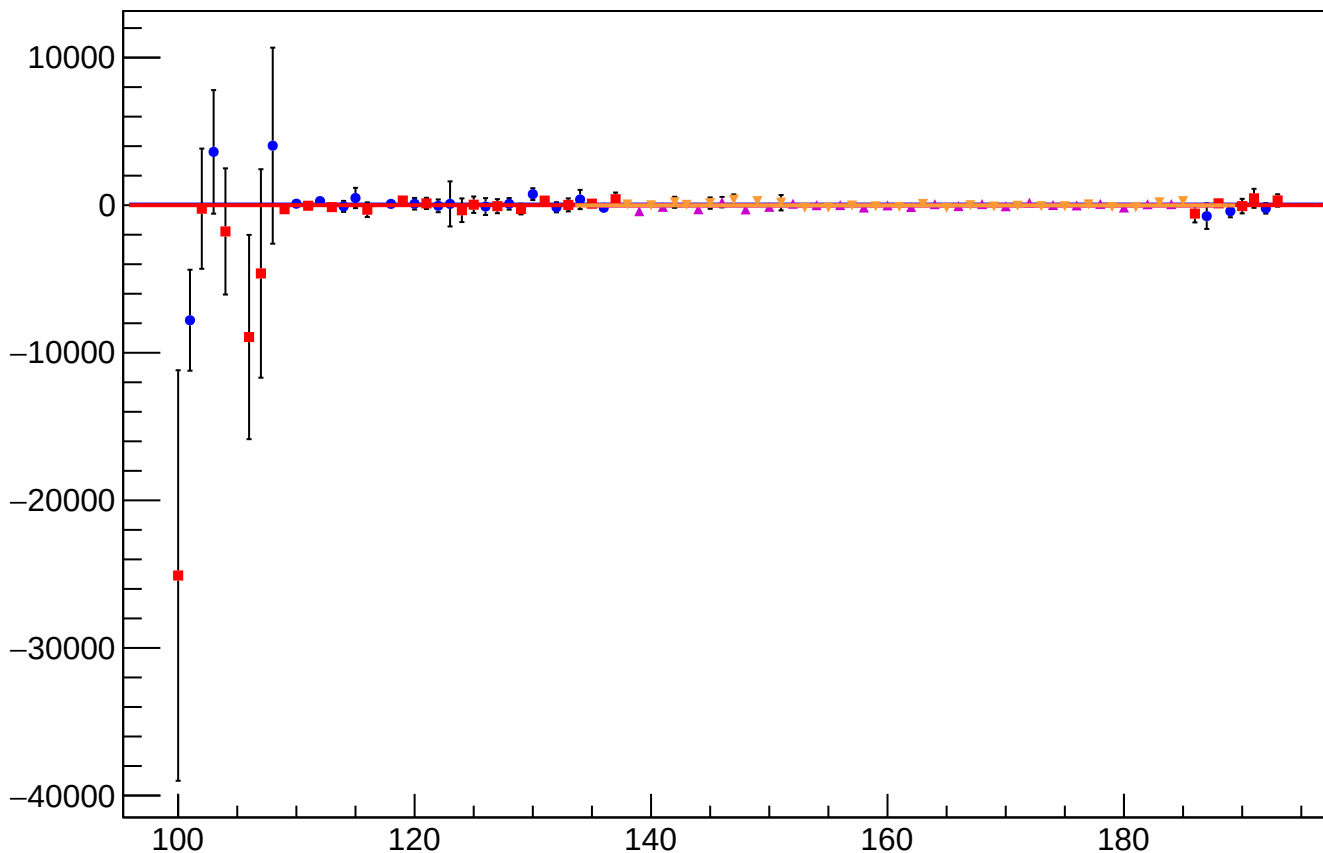
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.436 $\pm$ 0.003 χ^2 /NDF: 80158.5/44

All: 25.289 $\pm$ 0.002 χ^2 /NDF: 160118.3/91

- sign 25.148 $\pm$ 0.003 χ^2 /NDF: 76493.3/46

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 42.429 $\pm$ 83.853 χ^2 /NDF: 15.4/19

Left Out: -12.820 $\pm$ 48.216 χ^2 /NDF: 7.9/24

Right Out: -1.002 $\pm$ 74.305 χ^2 /NDF: 14.3/23

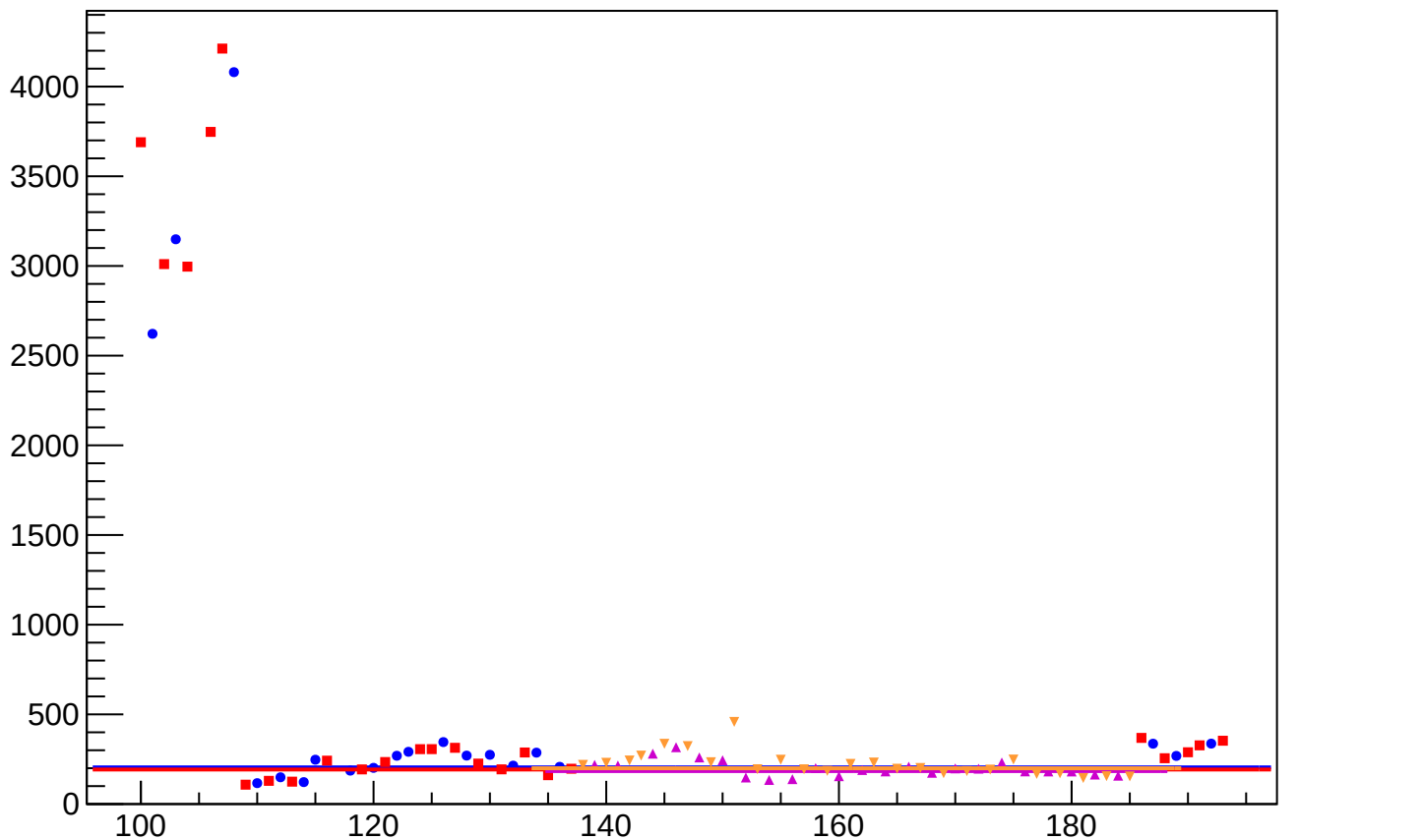
Left In: -26.836 $\pm$ 45.876 χ^2 /NDF: 7.5/22

+ sign 0.908 $\pm$ 41.799 χ^2 /NDF: 23.6/44

All: -10.103 $\pm$ 28.529 χ^2 /NDF: 45.6/91

- sign -19.707 $\pm$ 39.035 χ^2 /NDF: 21.9/46

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 204.388 $\pm$ 0.059 χ^2 /NDF: 3991478.9/19

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF: 1880548.8/24

Right Out: 192.641 $\pm$ 0.053 χ^2 /NDF: 5056426.0/23

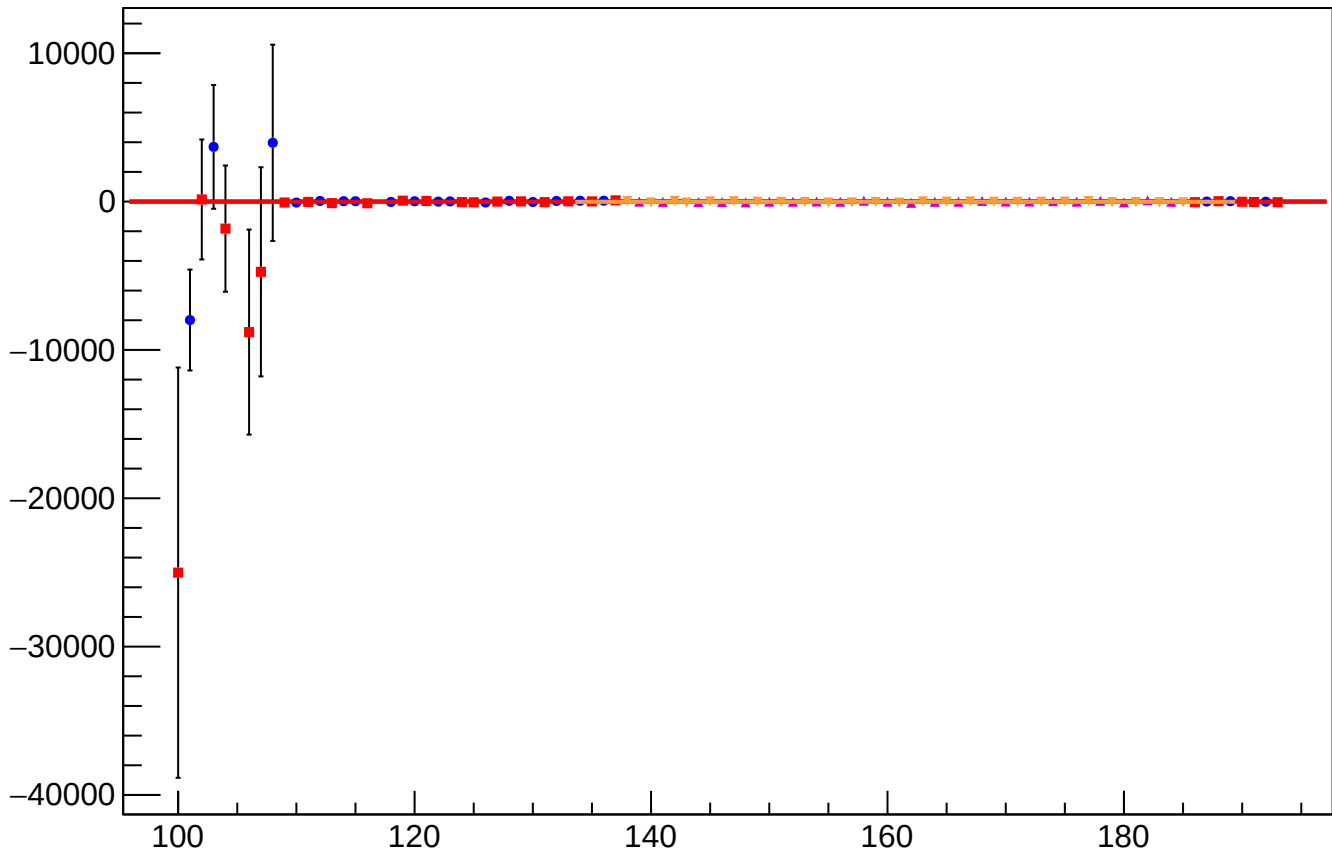
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF: 1423454.3/22

+ sign 200.741 $\pm$ 0.030 χ^2 /NDF: 5877061.0/44

All: 193.085 $\pm$ 0.020 χ^2 /NDF: 12502007.1/91

- sign 186.408 $\pm$ 0.028 χ^2 /NDF: 6499320.0/46

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.168 ± 10.750 χ^2/NDF : 19.5/19

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -11.947 ± 10.016 χ^2/NDF : 26.9/23

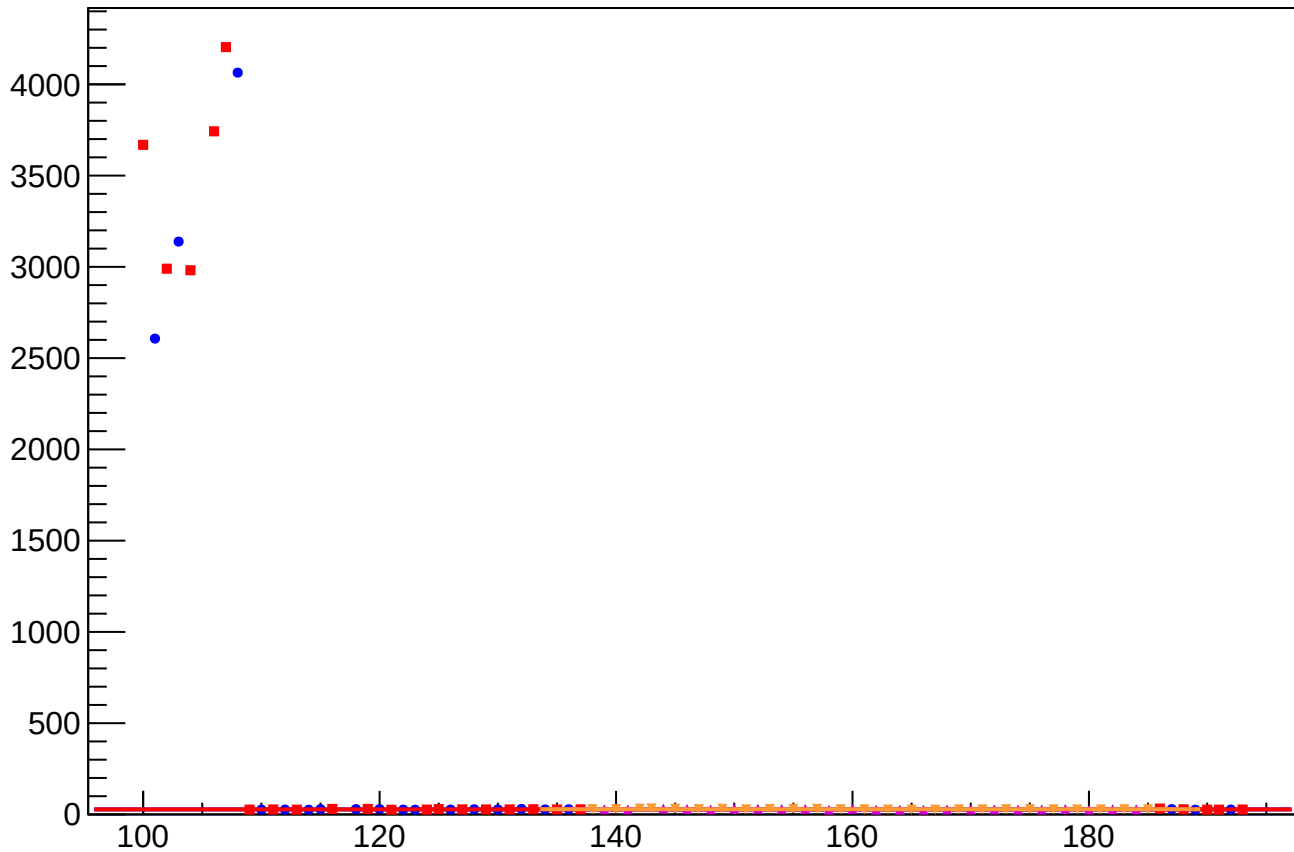
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -10.107 ± 5.682 χ^2/NDF : 46.3/44

All: -7.315 ± 4.014 χ^2/NDF : 106.9/91

- sign -4.535 ± 5.671 χ^2/NDF : 60.2/46

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.622 $\pm$ 0.008 χ^2 /NDF: 3034137.4/19

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.721 $\pm$ 0.007 χ^2 /NDF: 3497833.9/23

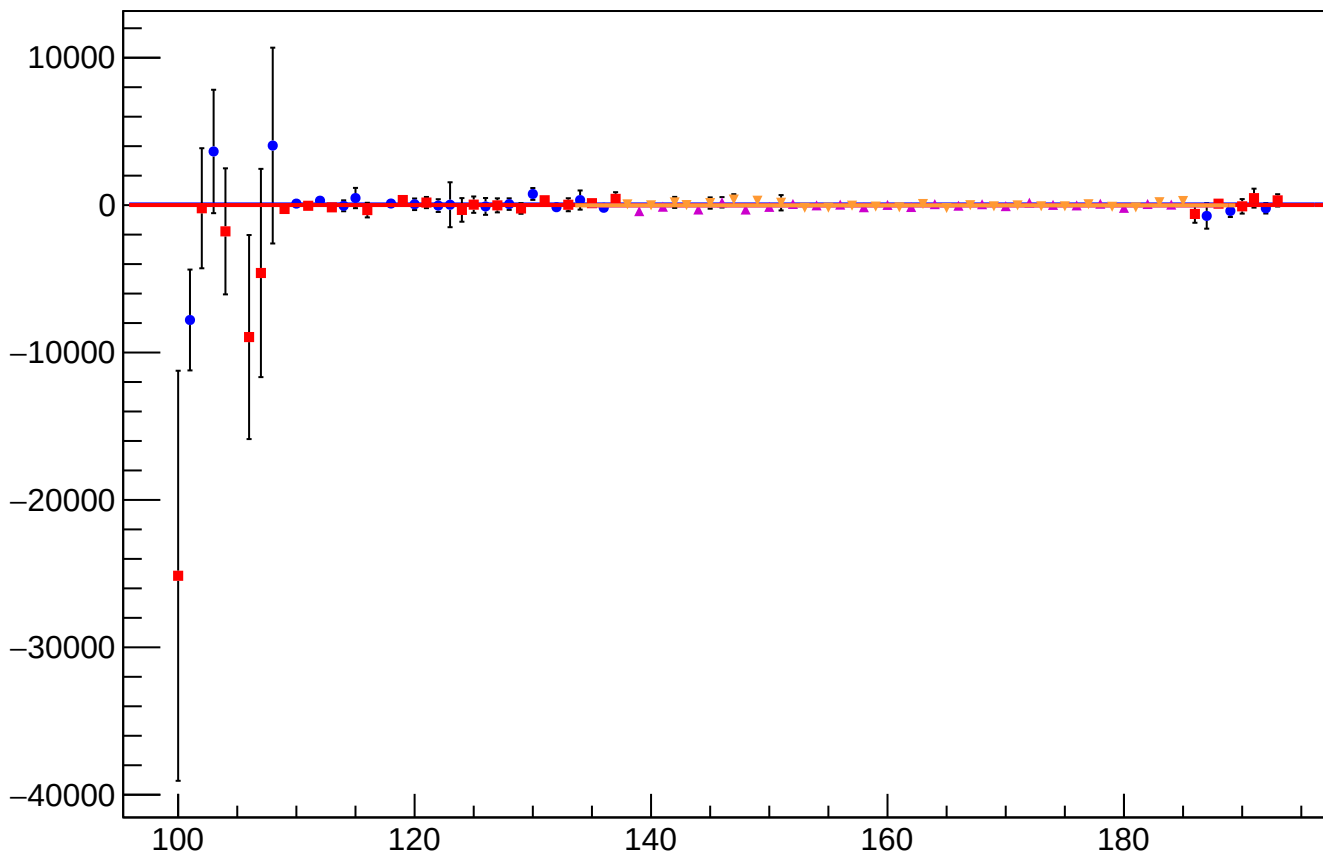
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.392 $\pm$ 0.004 χ^2 /NDF: 3158867.2/44

All: 28.380 $\pm$ 0.003 χ^2 /NDF: 6793738.6/91

- sign 28.368 $\pm$ 0.004 χ^2 /NDF: 3634852.8/46

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 48.297 $\pm$ 83.603 χ^2 /NDF: 15.6/19

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF: 8.7/24

Right Out: 4.661 $\pm$ 74.097 χ^2 /NDF: 15.1/23

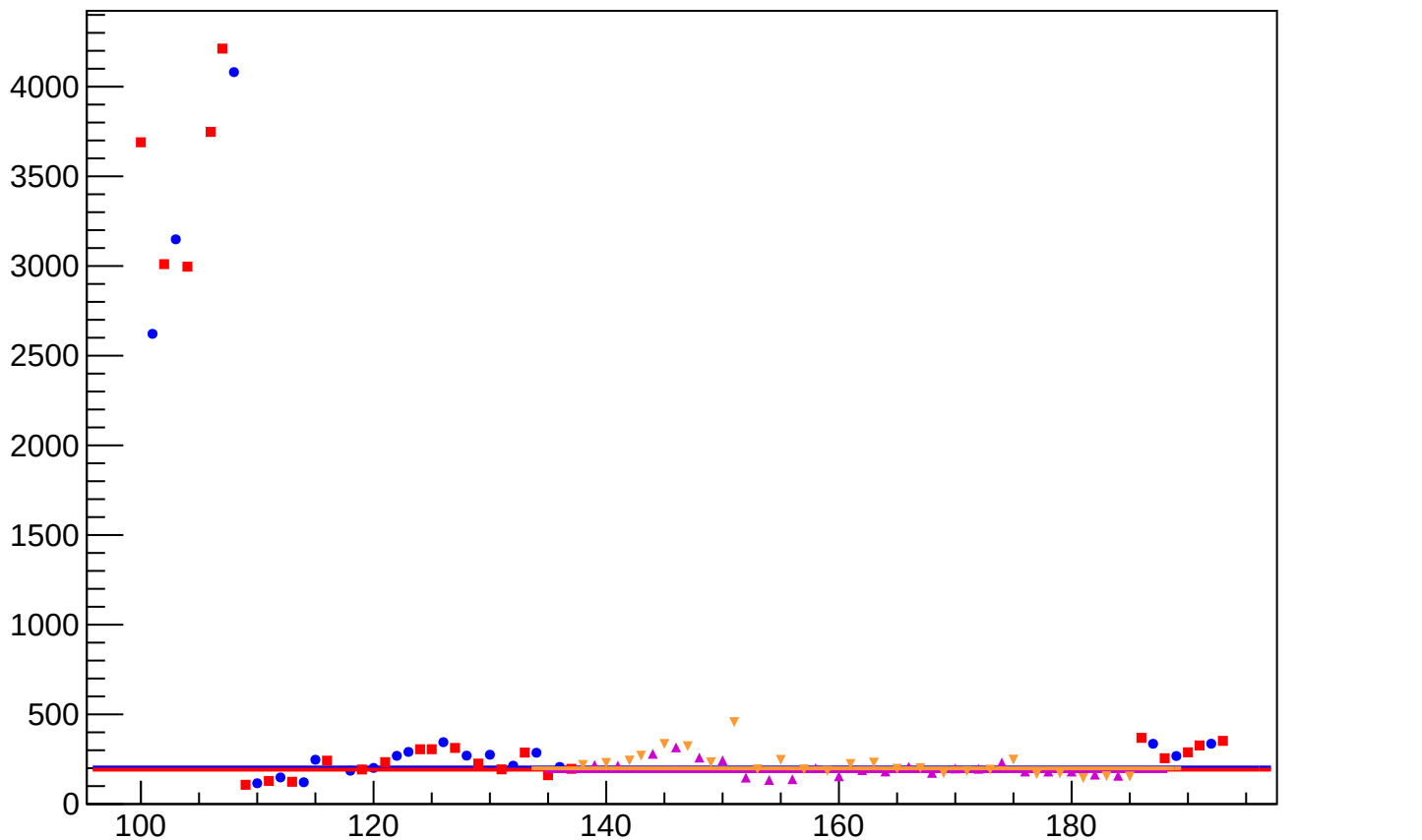
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF: 7.8/22

+ sign 0.383 $\pm$ 41.698 χ^2 /NDF: 24.7/44

All: -9.572 $\pm$ 28.463 χ^2 /NDF: 47.8/91

- sign -18.259 $\pm$ 38.949 χ^2 /NDF: 23.0/46

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 203.660 $\pm$ 0.059 χ^2 /NDF: 4006099.3/19

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 191.972 $\pm$ 0.052 χ^2 /NDF: 5074696.5/23

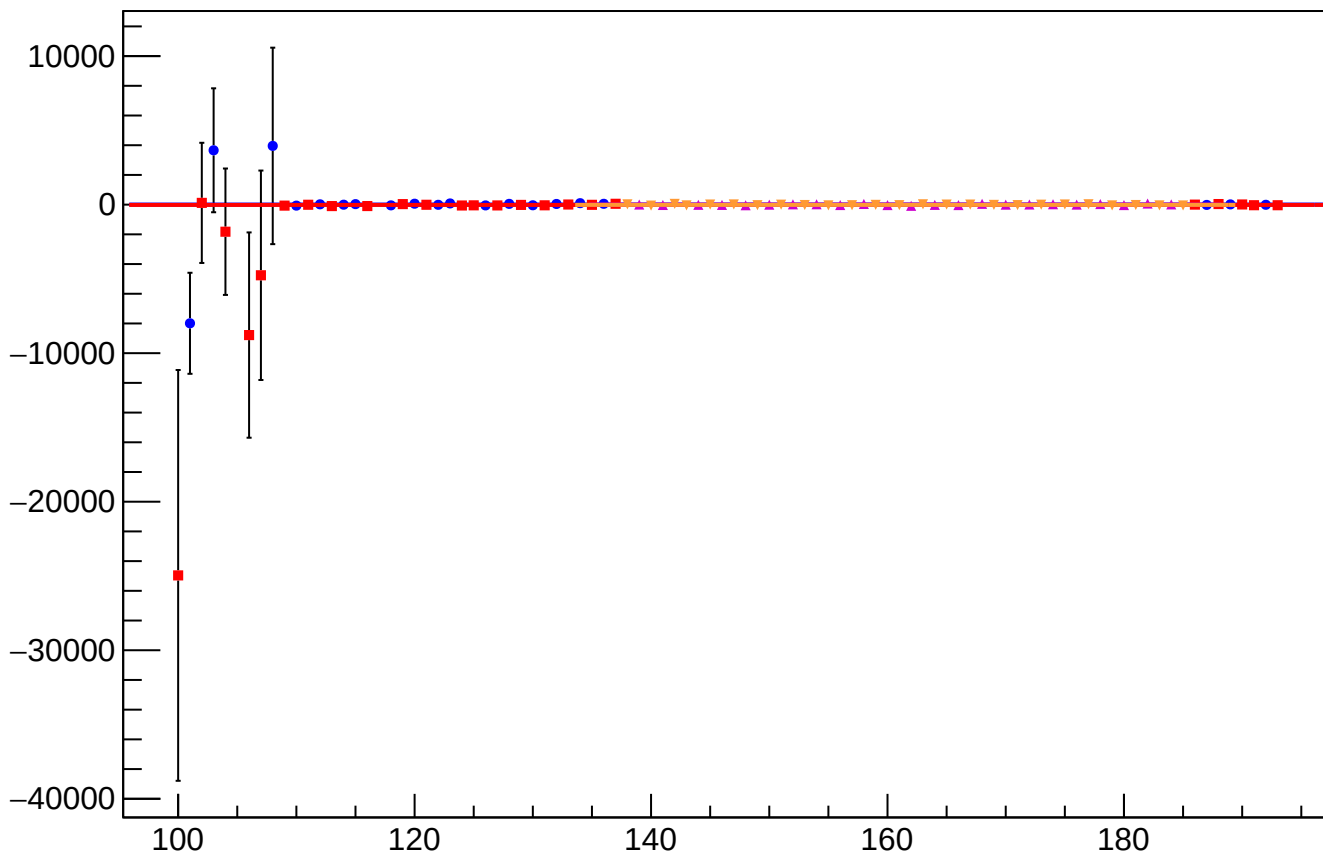
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 200.230 $\pm$ 0.029 χ^2 /NDF: 5890925.3/44

All: 192.610 $\pm$ 0.020 χ^2 /NDF: 12531754.6/90

- sign 185.962 $\pm$ 0.028 χ^2 /NDF: 6515775.6/46

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 5.379+/-10.802 χ^2 /NDF: 23.4/19

Left Out: -15.006+/-6.723 χ^2 /NDF:17.5/24

Right Out: -19.080+/-10.056 χ^2 /NDF: 22.1/23

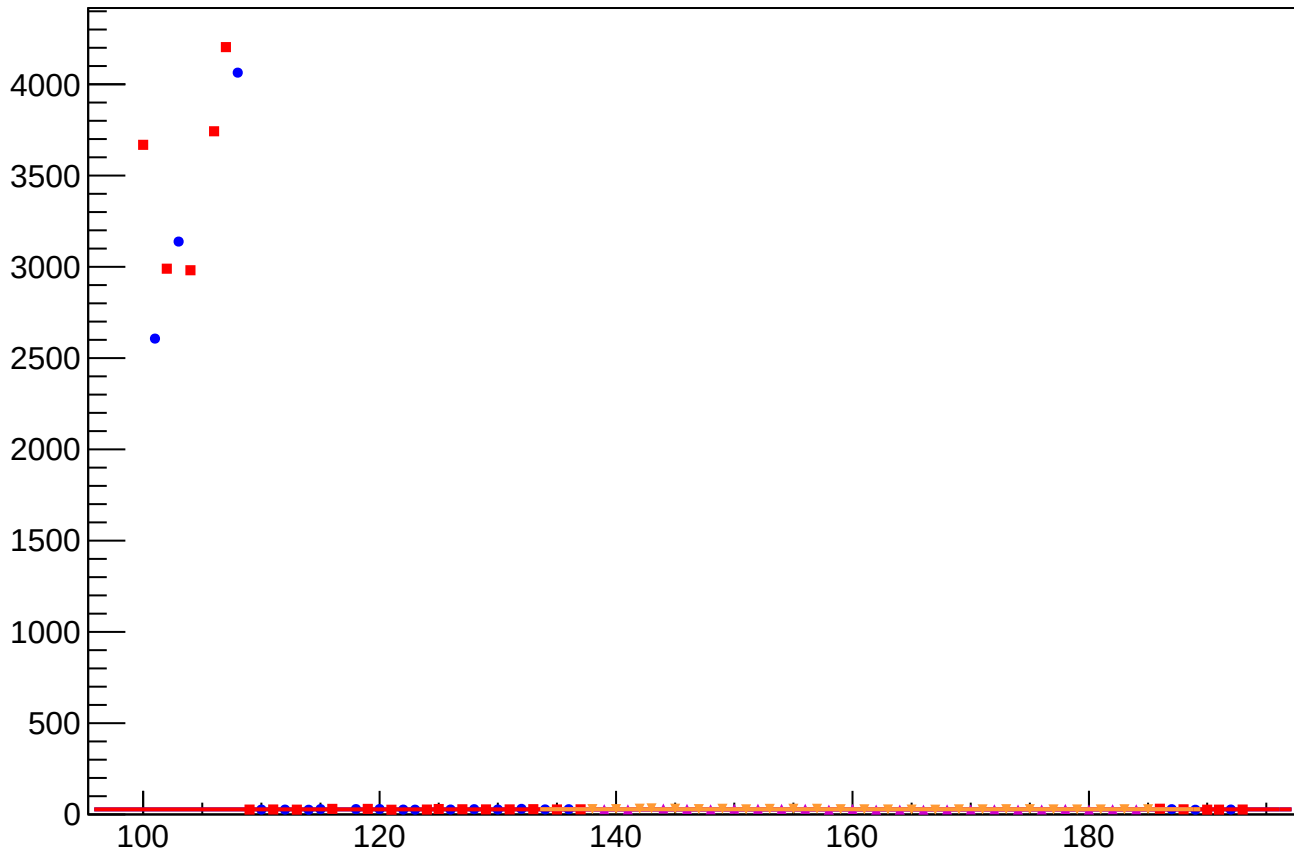
Left In: 0.702+/-6.909 χ^2 /NDF:26.4/22

+ sign -9.314+/-5.708 χ^2 /NDF: 43.4/44

All: -7.473+/-4.031 χ^2 /NDF: 94.7/91

- sign -5.642+/-5.695 χ^2 /NDF: 51.1/46

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.750 $\pm$ 0.008 χ^2 /NDF: 3036416.2/19

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.831 $\pm$ 0.007 χ^2 /NDF: 3495947.3/23

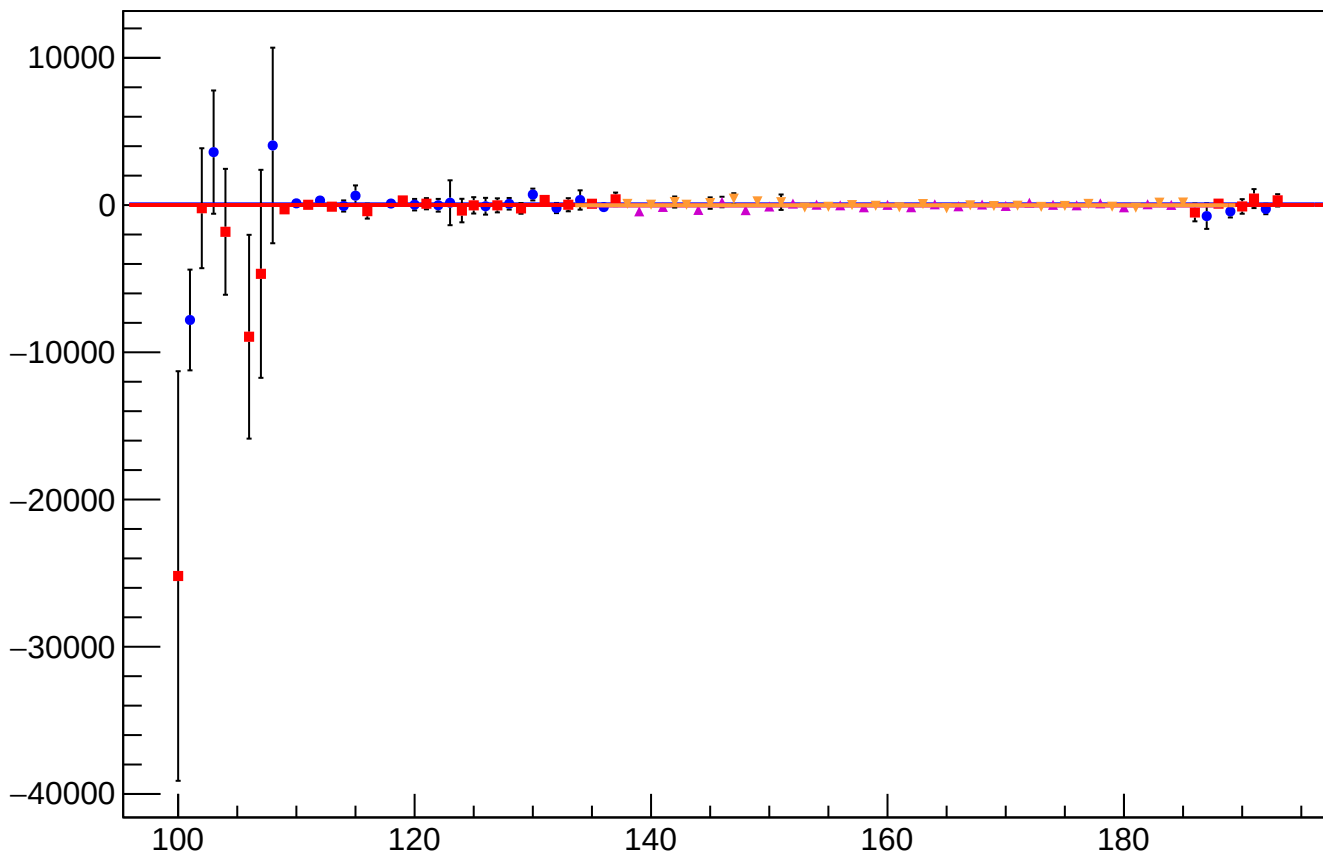
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.516 $\pm$ 0.004 χ^2 /NDF: 3172335.3/44

All: 28.500 $\pm$ 0.003 χ^2 /NDF: 6810127.7/91

- sign 28.484 $\pm$ 0.004 χ^2 /NDF: 3637761.2/46

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 48.720+/-84.529 χ^2/NDF : 15.9/19

Left Out: -15.548+/-48.688 χ^2/NDF : 8.0/24

Right Out: 6.533+/-74.979 χ^2/NDF : 14.2/23

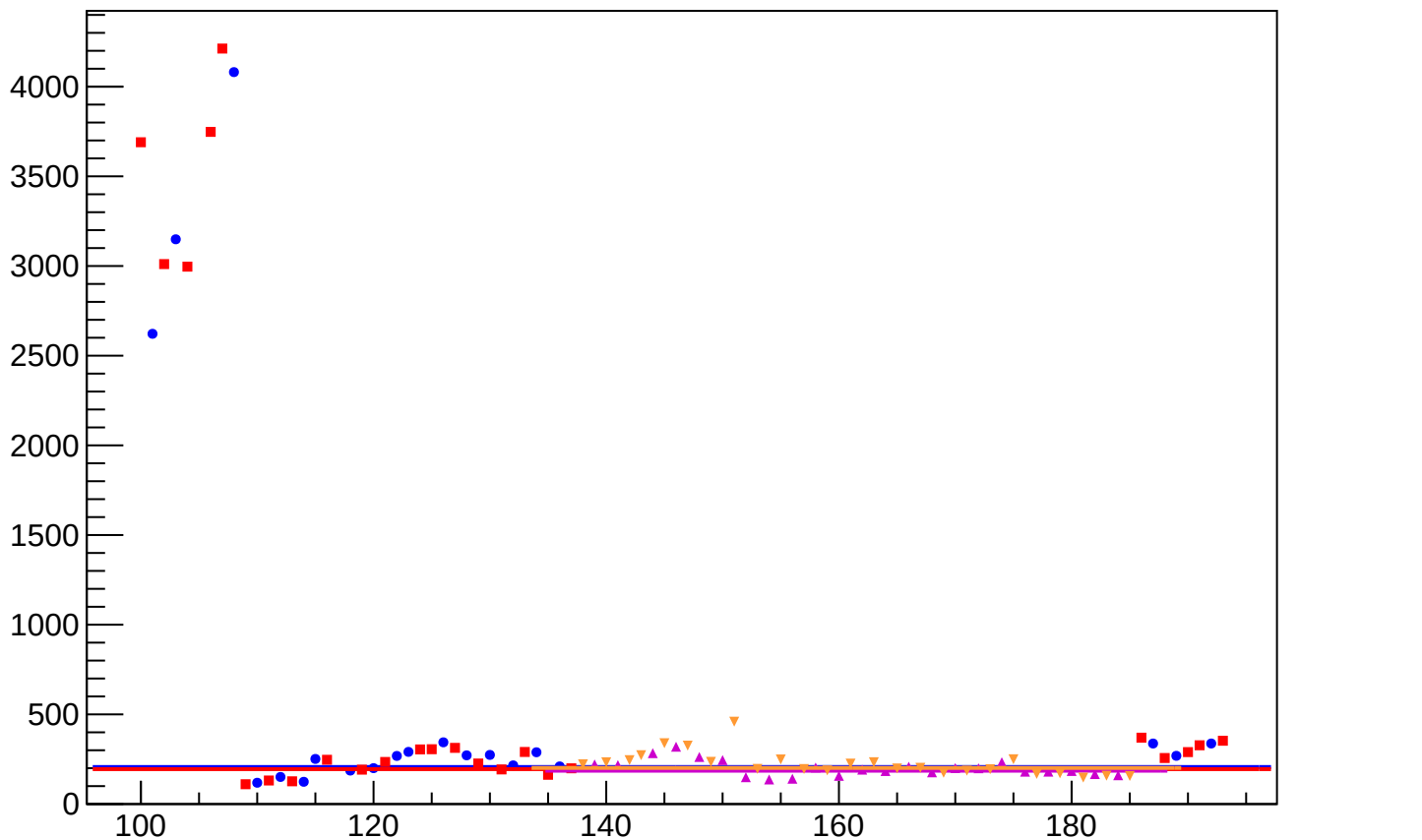
Left In: -31.170+/-46.359 χ^2/NDF : 8.2/22

+ sign 0.462+/-42.190 χ^2/NDF : 24.3/44

All: -10.856+/-28.808 χ^2/NDF : 47.0/91

- sign -20.743+/-39.431 χ^2/NDF : 22.6/46

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 206.426 $\pm$ 0.060 χ^2 /NDF: 3944478.6/19

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF: 1857453.2/24

Right Out: 194.891 $\pm$ 0.053 χ^2 /NDF: 4992293.7/23

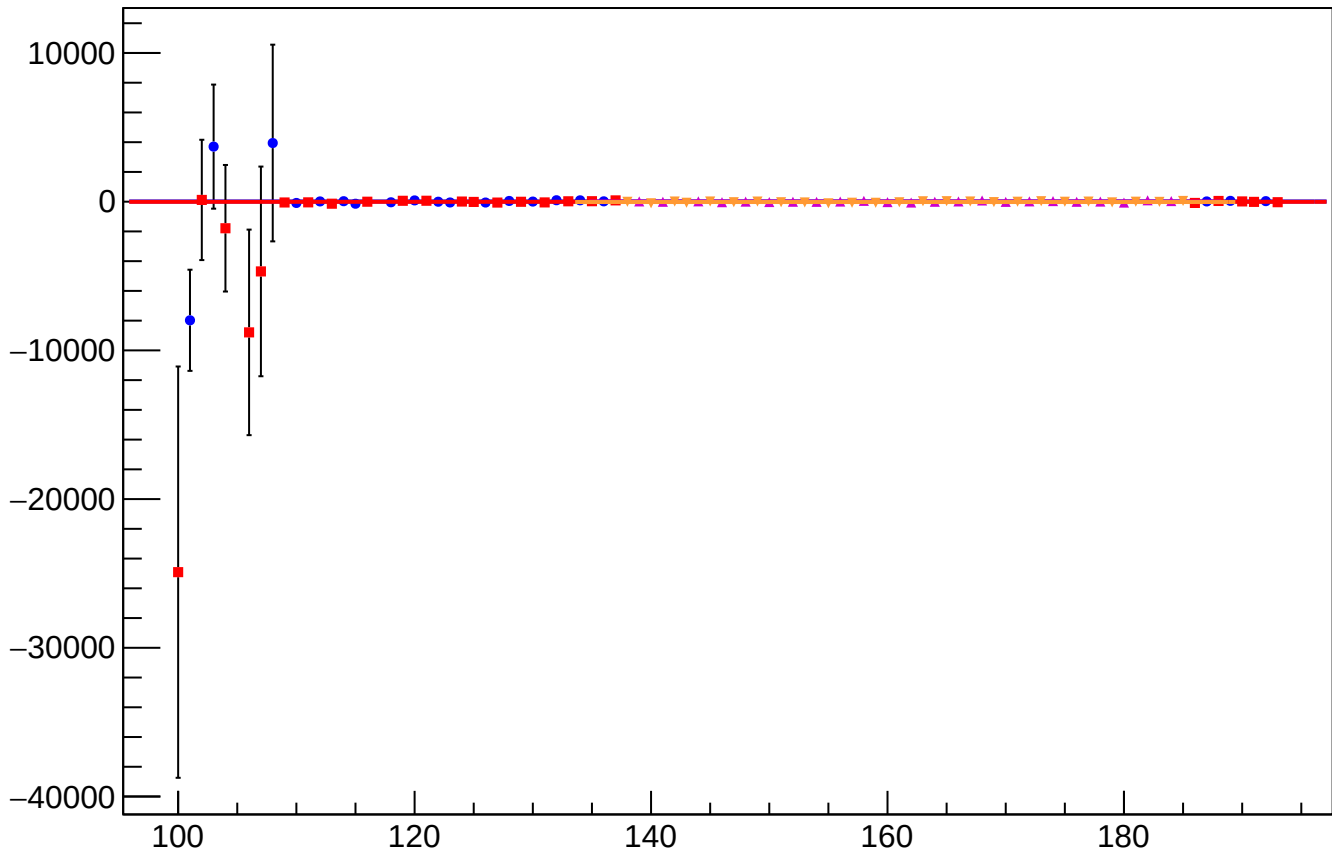
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF: 1391327.2/22

+ sign 202.802 $\pm$ 0.030 χ^2 /NDF: 5806827.3/44

All: 195.188 $\pm$ 0.020 χ^2 /NDF: 12332366.3/90

- sign 188.536 $\pm$ 0.028 χ^2 /NDF: 6403477.2/46

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 14.831+/-13.191 χ^2/NDF : 21.5/19

Left Out: -23.360+/-8.064 χ^2/NDF : 25.8/24

Right Out: -8.695+/-12.246 χ^2/NDF : 26.2/23

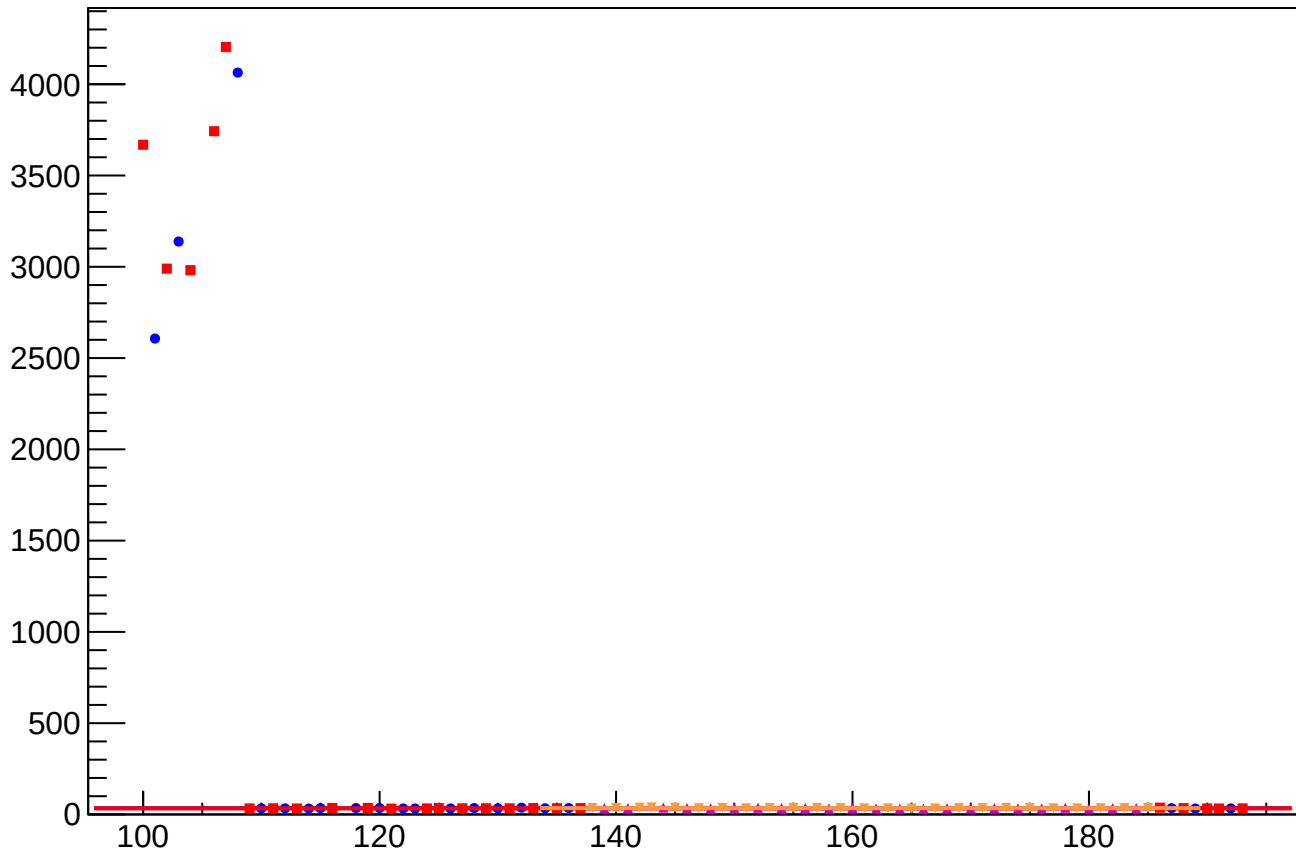
Left In: 6.001+/-8.309 χ^2/NDF : 21.1/22

+ sign -12.969+/-6.880 χ^2/NDF : 53.5/44

All: -5.795+/-4.863 χ^2/NDF : 103.9/91

- sign 1.369+/-6.876 χ^2/NDF : 48.3/46

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.927 $\pm$ 0.009 χ^2 /NDF: 3010247.9/19

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.967 $\pm$ 0.009 χ^2 /NDF: 3460531.8/23

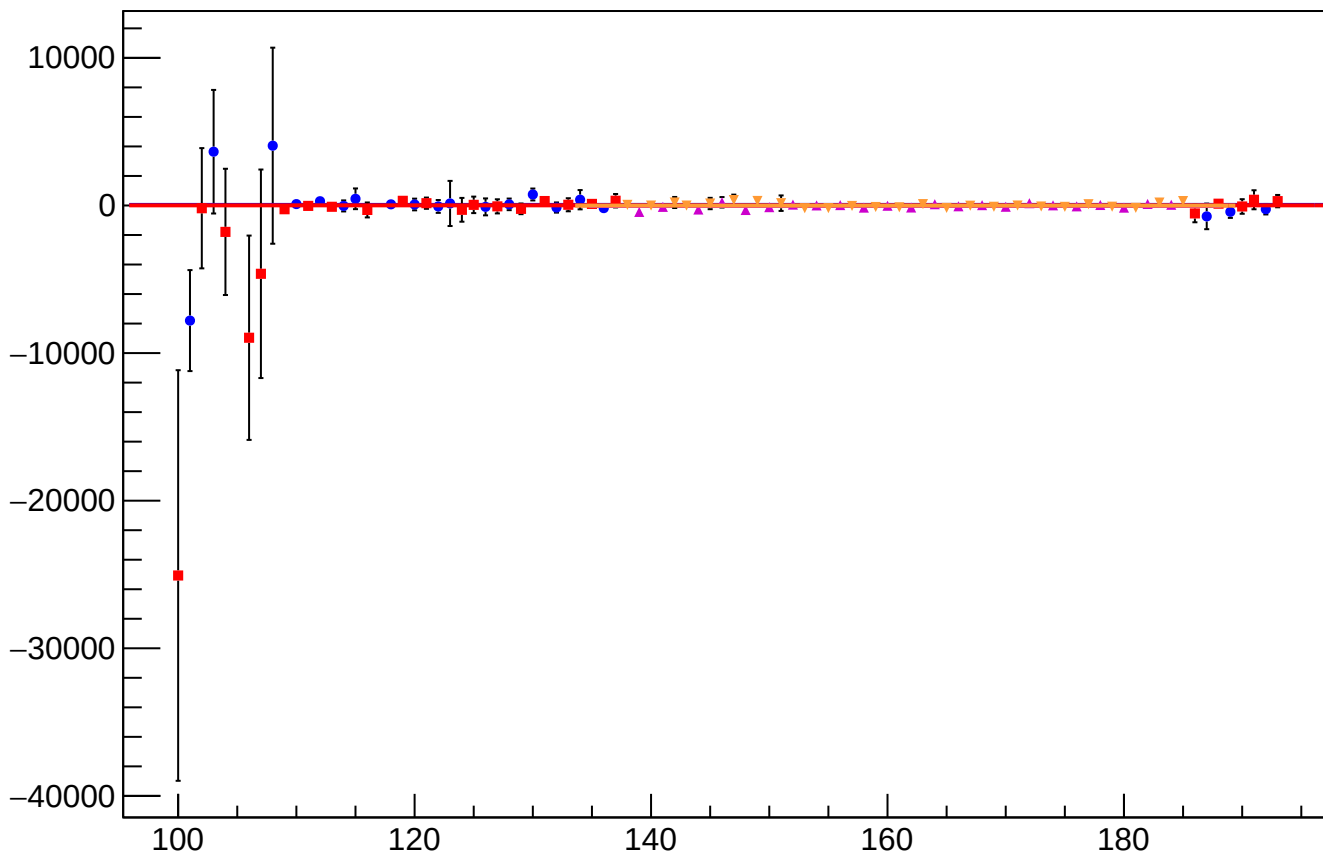
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.427 $\pm$ 0.005 χ^2 /NDF: 3072149.4/44

All: 34.443 $\pm$ 0.003 χ^2 /NDF: 6597724.1/91

- sign 34.459 $\pm$ 0.005 χ^2 /NDF: 3525553.9/46

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 38.540 $\pm$ 84.133 χ^2 /NDF: 15.6/19

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: 9.597 $\pm$ 74.549 χ^2 /NDF: 13.0/23

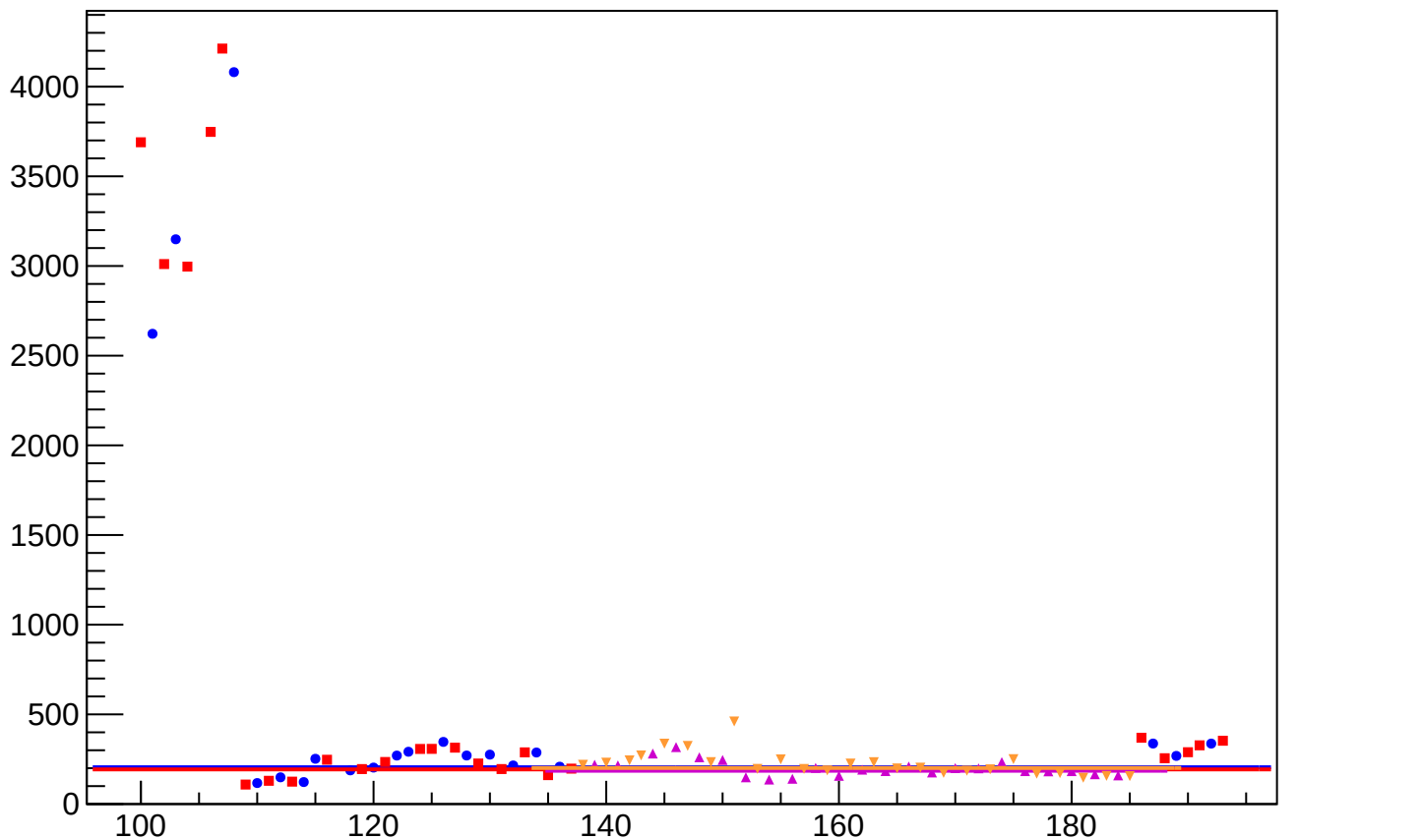
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign 2.962 $\pm$ 42.093 χ^2 /NDF: 24.4/44

All: -10.343 $\pm$ 28.737 χ^2 /NDF: 45.3/91

- sign -21.958 $\pm$ 39.329 χ^2 /NDF: 20.7/46

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 205.105 $\pm$ 0.059 χ^2 /NDF: 3989373.5/19

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF: 1851134.1/24

Right Out: 193.331 $\pm$ 0.053 χ^2 /NDF: 5053118.4/23

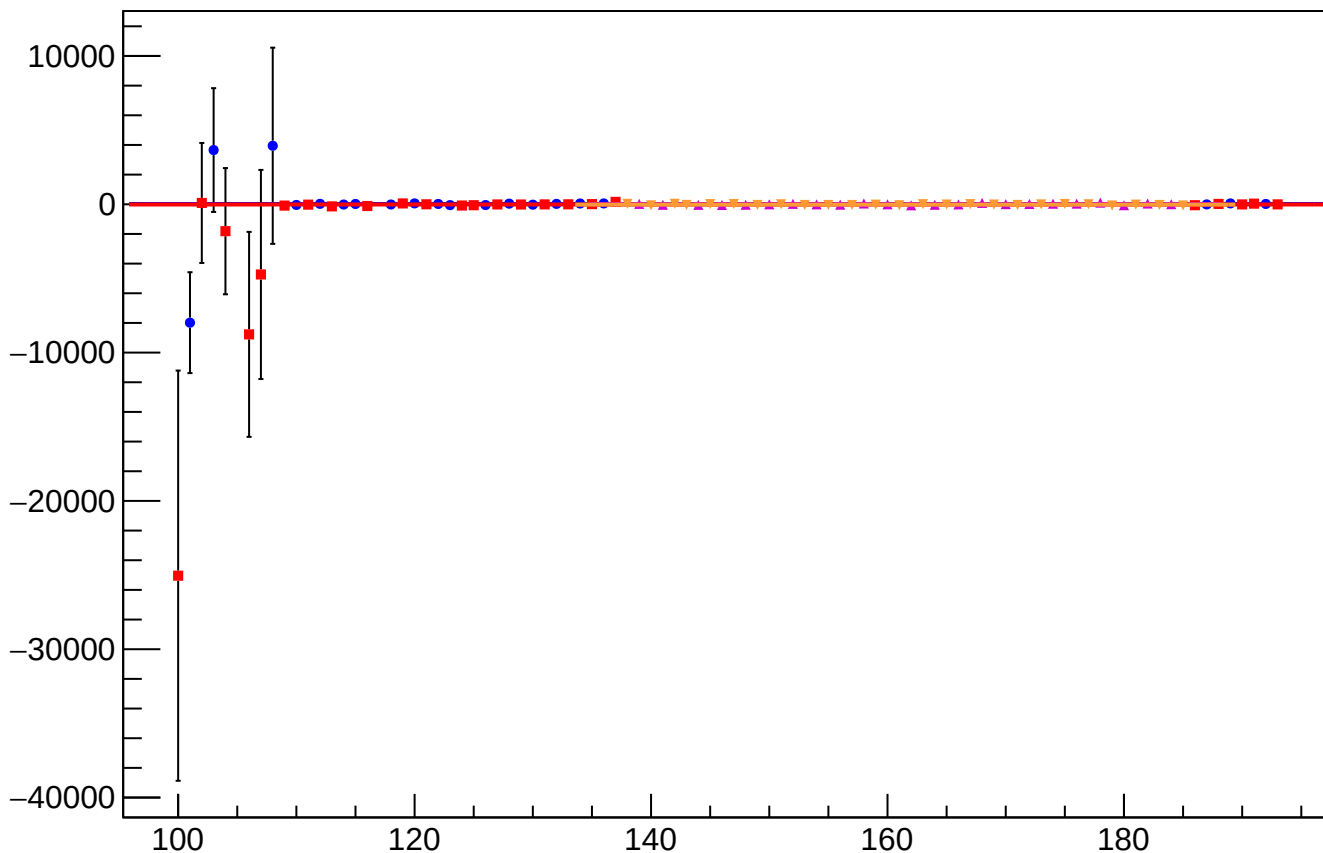
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF: 1381771.9/22

+ sign 202.250 $\pm$ 0.030 χ^2 /NDF: 5843581.0/44

All: 194.607 $\pm$ 0.020 χ^2 /NDF: 12416485.3/90

- sign 187.935 $\pm$ 0.028 χ^2 /NDF: 6449410.9/46

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 16.844+/-11.969 χ^2/NDF : 15.7/19

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -13.846+/-11.129 χ^2/NDF : 31.3/23

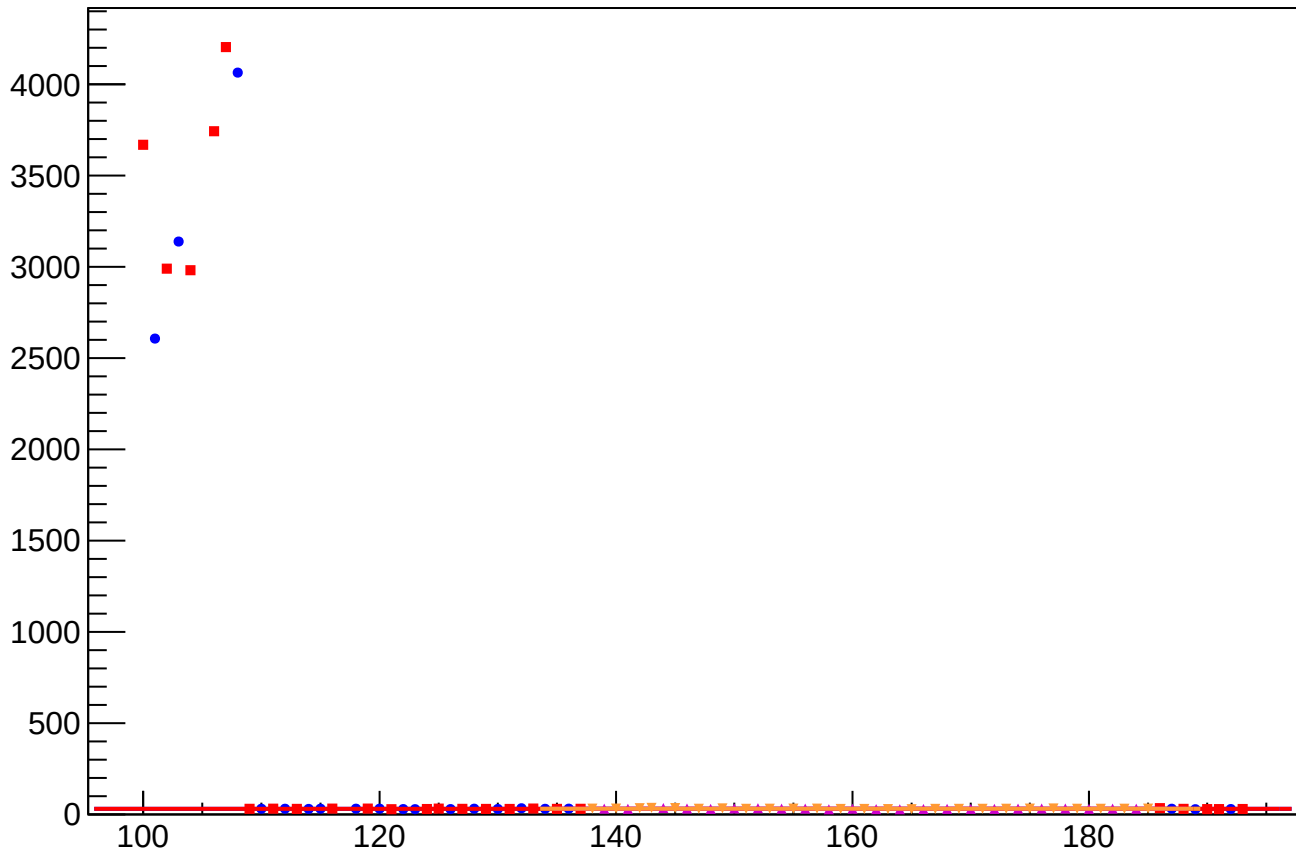
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -12.022+/-6.257 χ^2/NDF : 42.4/44

All: -6.149+/-4.421 χ^2/NDF : 116.0/91

- sign -0.294+/-6.248 χ^2/NDF : 71.8/46

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.774 $\pm$ 0.008 χ^2 /NDF: 3023256.9/19

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.834 $\pm$ 0.008 χ^2 /NDF: 3472775.5/23

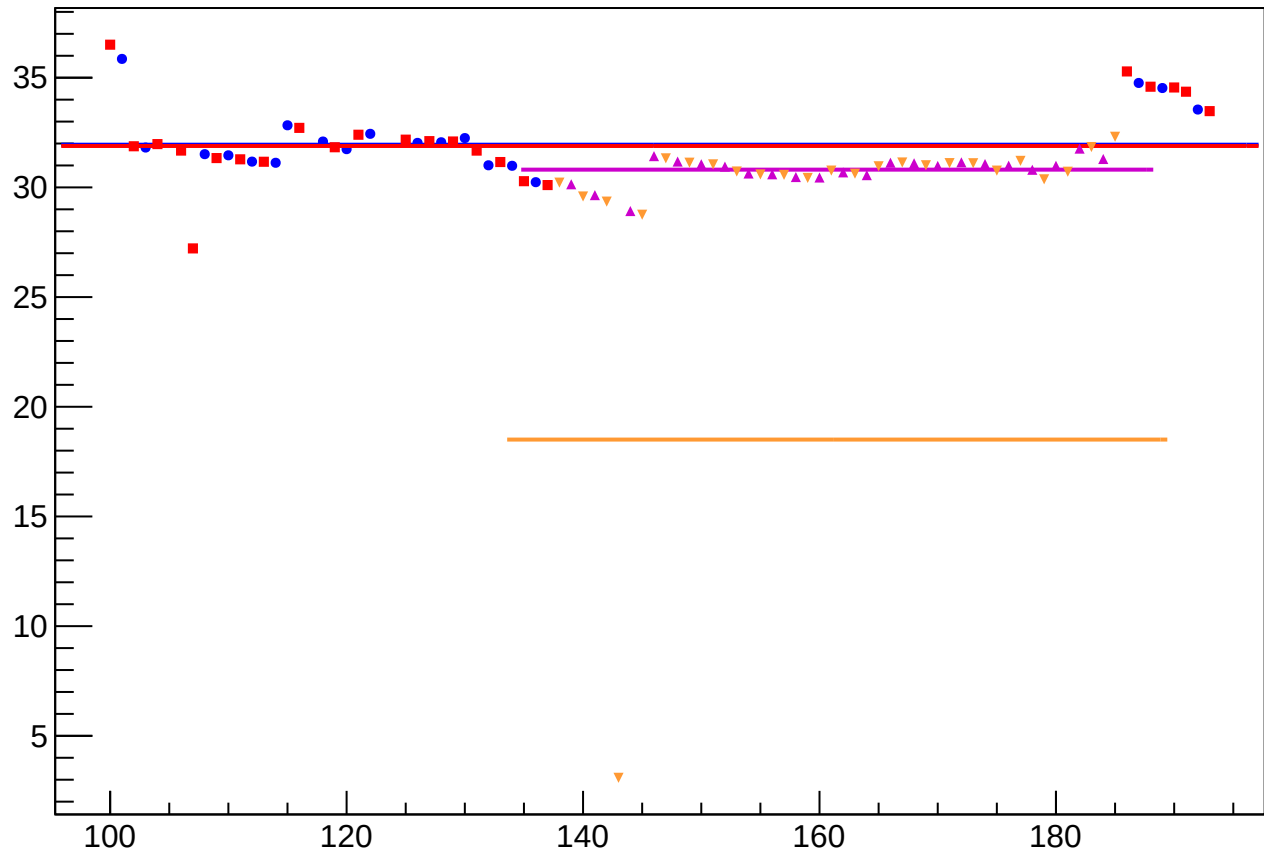
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.288 $\pm$ 0.004 χ^2 /NDF: 3110779.1/44

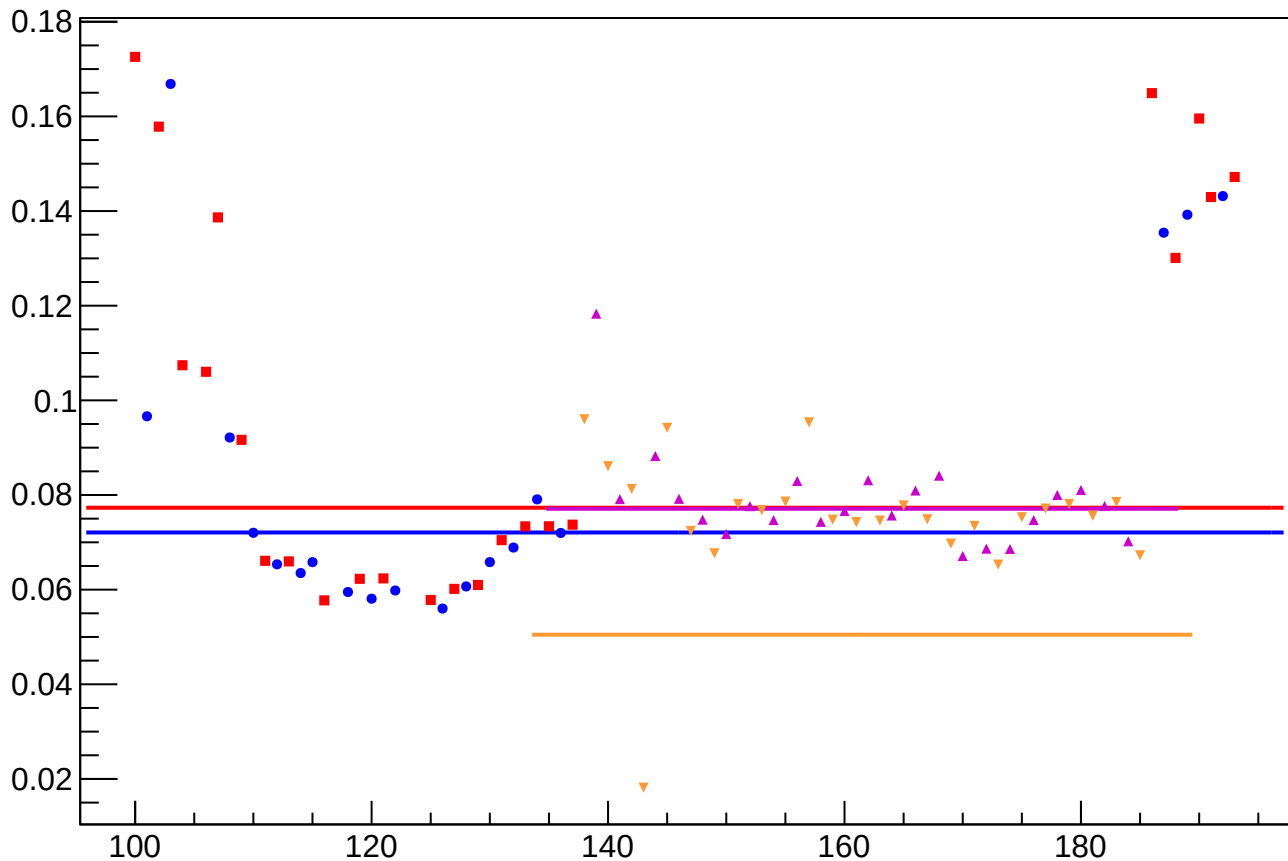
All: 31.284 $\pm$ 0.003 χ^2 /NDF: 6676216.4/91

- sign 31.279 $\pm$ 0.004 χ^2 /NDF: 3565435.3/46

yield_usl_mean vs Slug



yield_usl_rms vs Slug



Right In: 0.072 $\pm$ 0.000 χ^2 /NDF: 1369908.1/18

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8543648.6/24

Right Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 2047640.4/22

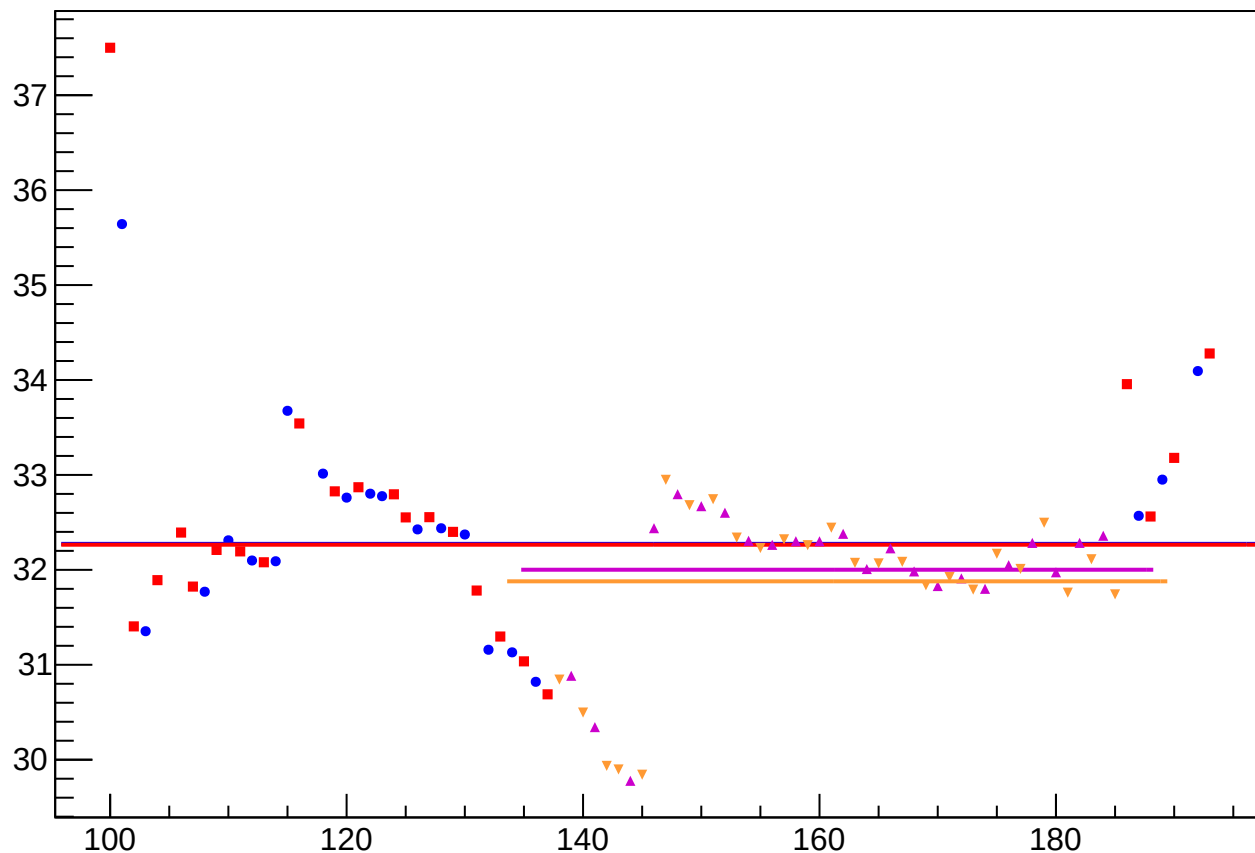
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.055 $\pm$ 0.000 χ^2 /NDF: 10884356.3/43

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 15646756.9/89

- sign 0.077 $\pm$ 0.000 χ^2 /NDF: 2373569.2/45

yield_usr_mean vs Slug



Right In: 32.274+/-0.000 χ^2/NDF : 1103202748.0/19

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.265+/-0.000 χ^2/NDF : 588902248.9/22

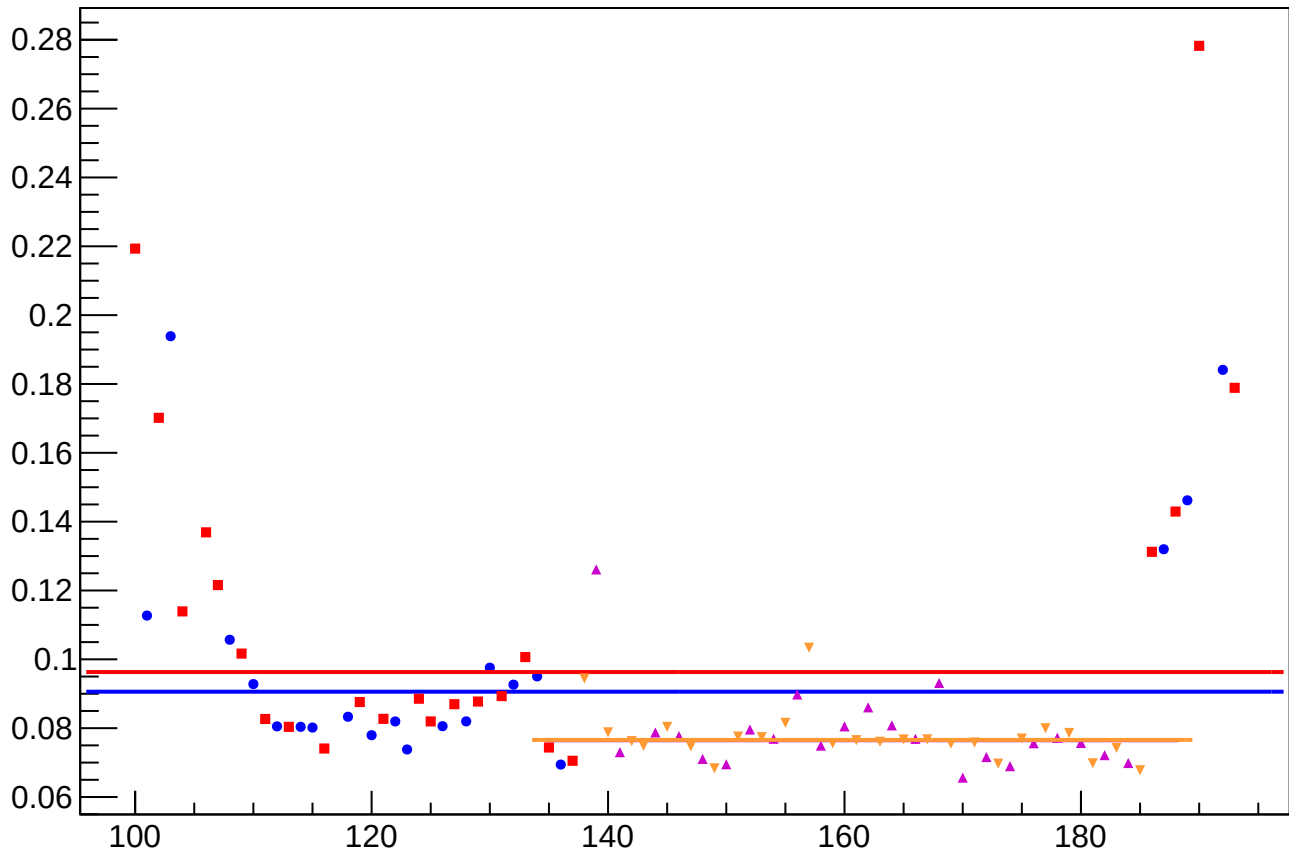
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 31.968+/-0.000 χ^2/NDF : 3180358220.2/44

All: 32.015+/-0.000 χ^2/NDF : 5242251073.6/9

- sign 32.064+/-0.000 χ^2/NDF : 2045166840.7/45

yield_usr_rms vs Slug



Right In: 0.091 ± 0.000 χ^2/NDF : 1186540.1/19

Left Out: 0.077 ± 0.000 χ^2/NDF : 209648.5/24

Right Out: 0.096 ± 0.000 χ^2/NDF : 1419680.2/22

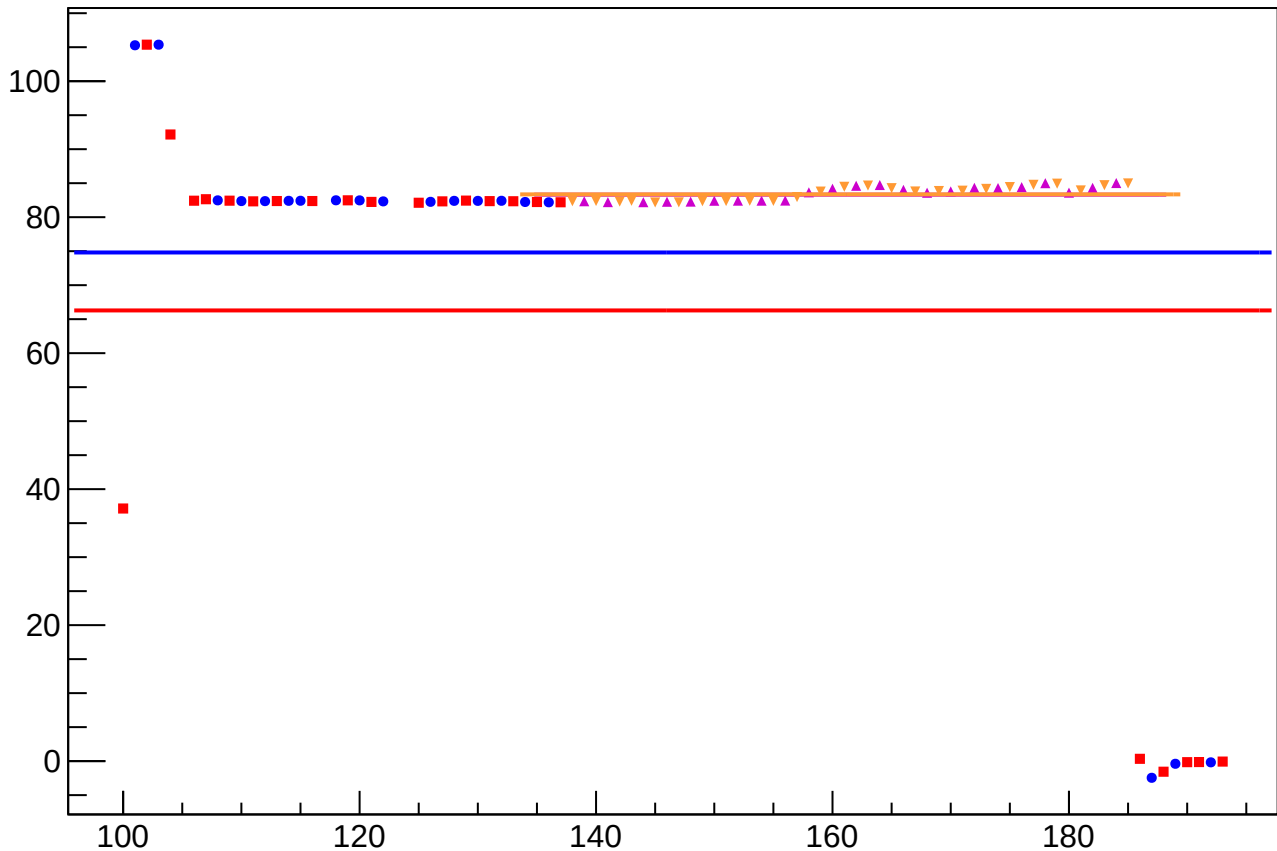
Left In: 0.076 ± 0.000 χ^2/NDF : 432563.3/22

+ sign 0.080 ± 0.000 χ^2/NDF : 1650392.9/44

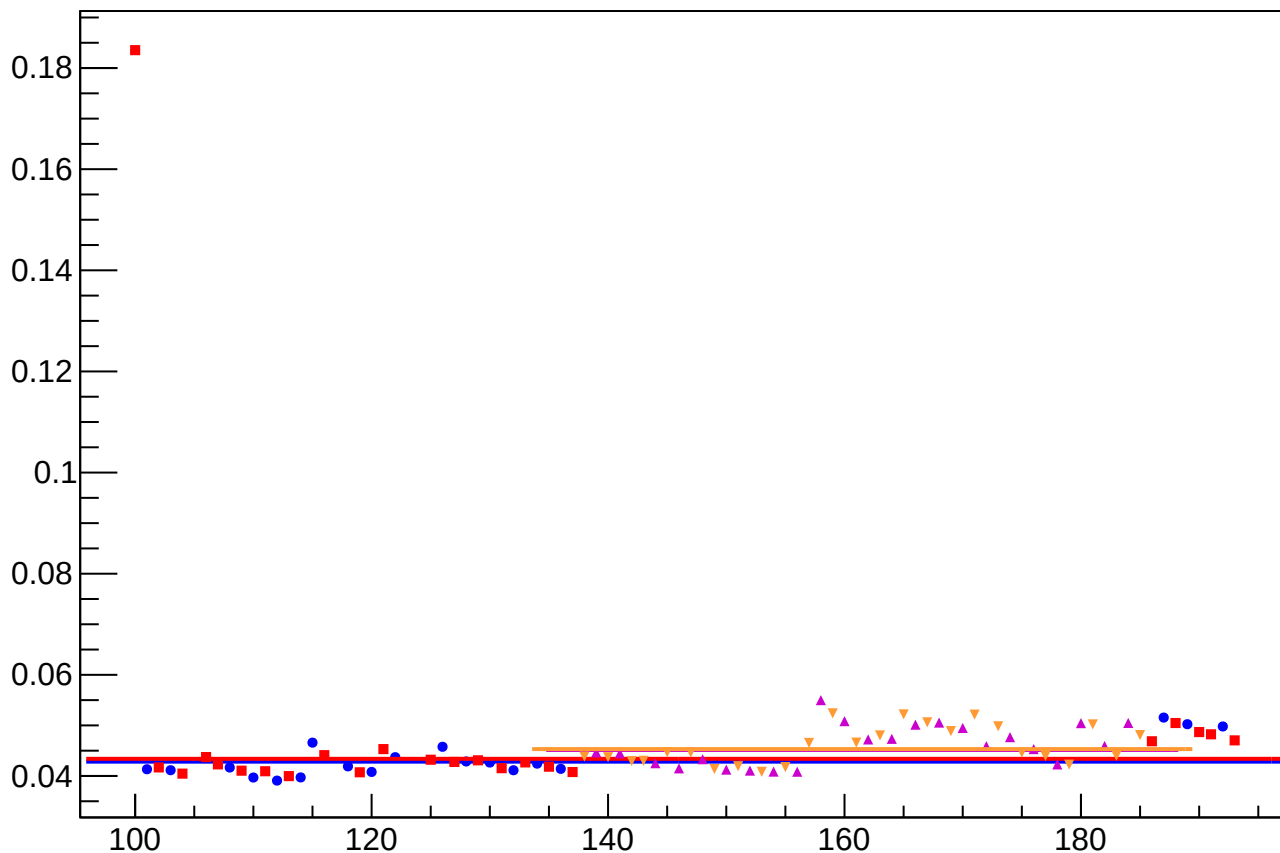
All: 0.080 ± 0.000 χ^2/NDF : 4020173.7/90

- sign 0.081 ± 0.000 χ^2/NDF : 2362213.4/45

yield_dsl_mean vs Slug



yield_dsl_rms vs Slug



Right In: 0.043 $\pm$ 0.000 χ^2 /NDF: 90540.5/18

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 211358.2/24

Right Out: 0.043 $\pm$ 0.000 χ^2 /NDF: 172525.7/22

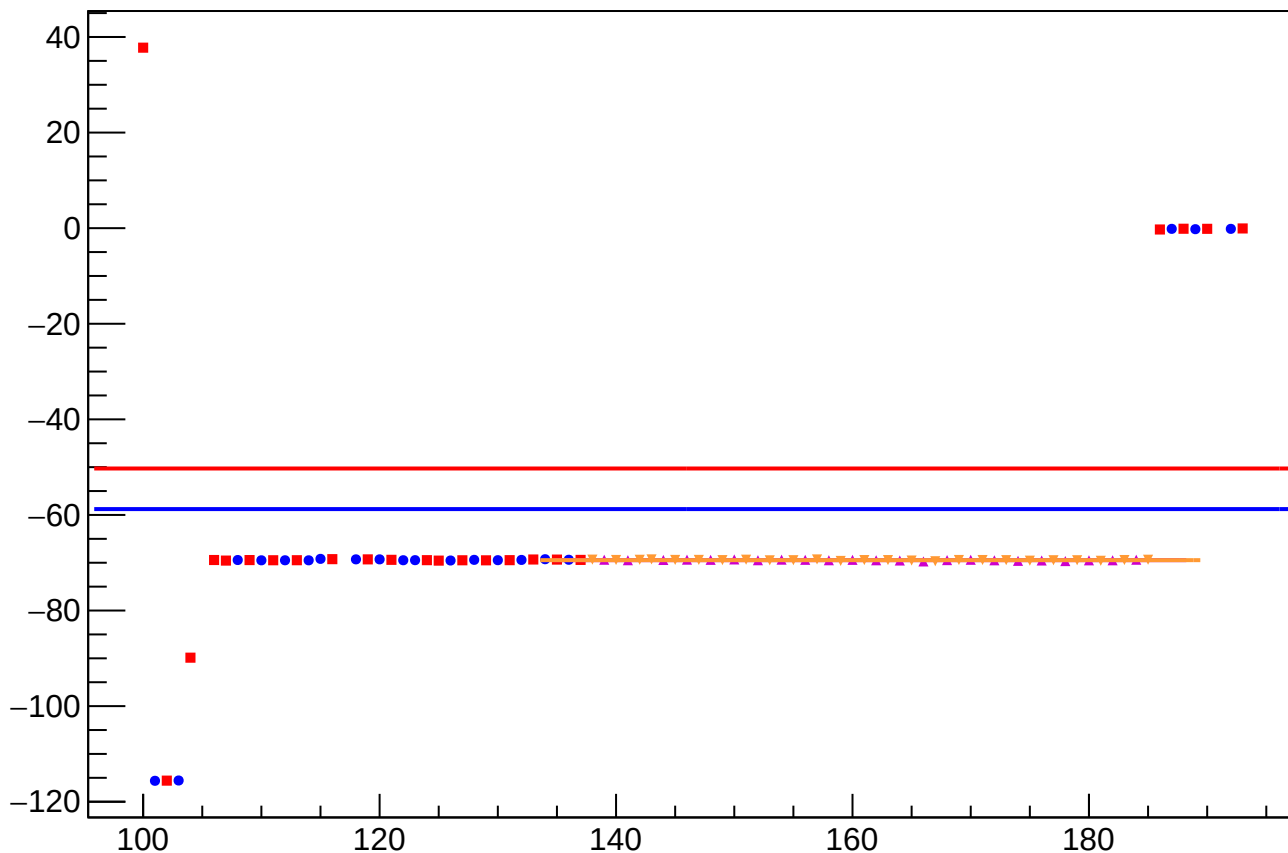
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF: 242885.4/22

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 337577.5/43

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 772117.1/89

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 434539.6/45

yield_dsr_mean vs Slug



Right In: -58.775+/-0.000 χ^2/NDF : 3255599874224.8/19

Left Out: -69.461+/-0.000 χ^2/NDF : 49572401.9/24

Right Out: -50.283+/-0.000 χ^2/NDF : 4056778280160.1/22

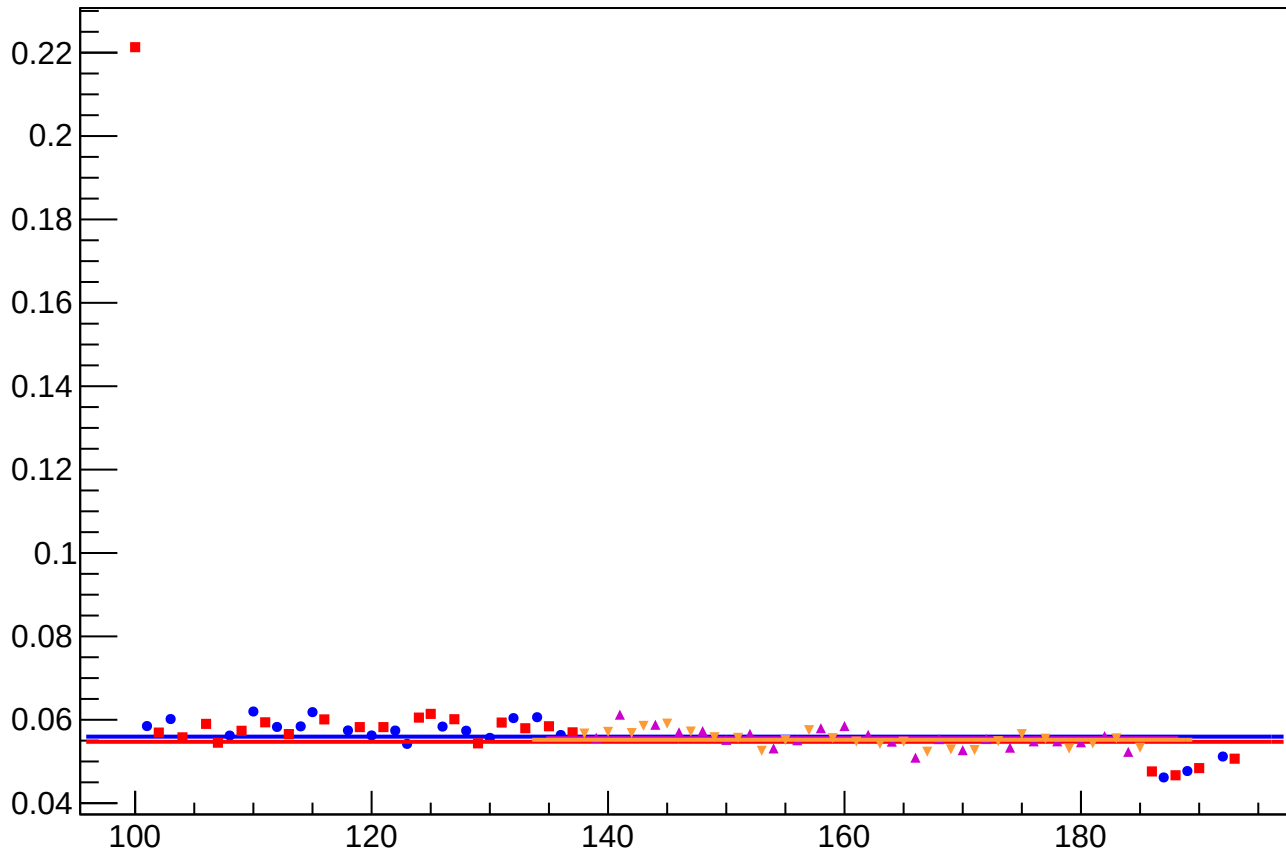
Left In: -69.458+/-0.000 χ^2/NDF : 52798704.3/22

+ sign -66.250+/-0.000 χ^2/NDF : 3455730683460.4/19

All: -64.415+/-0.000 χ^2/NDF : 828386049282.0/19

- sign -62.610+/-0.000 χ^2/NDF : 4772456605762.0/19

yield_dsr_rms vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 82095.4/19

Left Out: 0.055+/-0.000 χ^2/NDF : 38761.8/24

Right Out: 0.055+/-0.000 χ^2/NDF : 217415.9/22

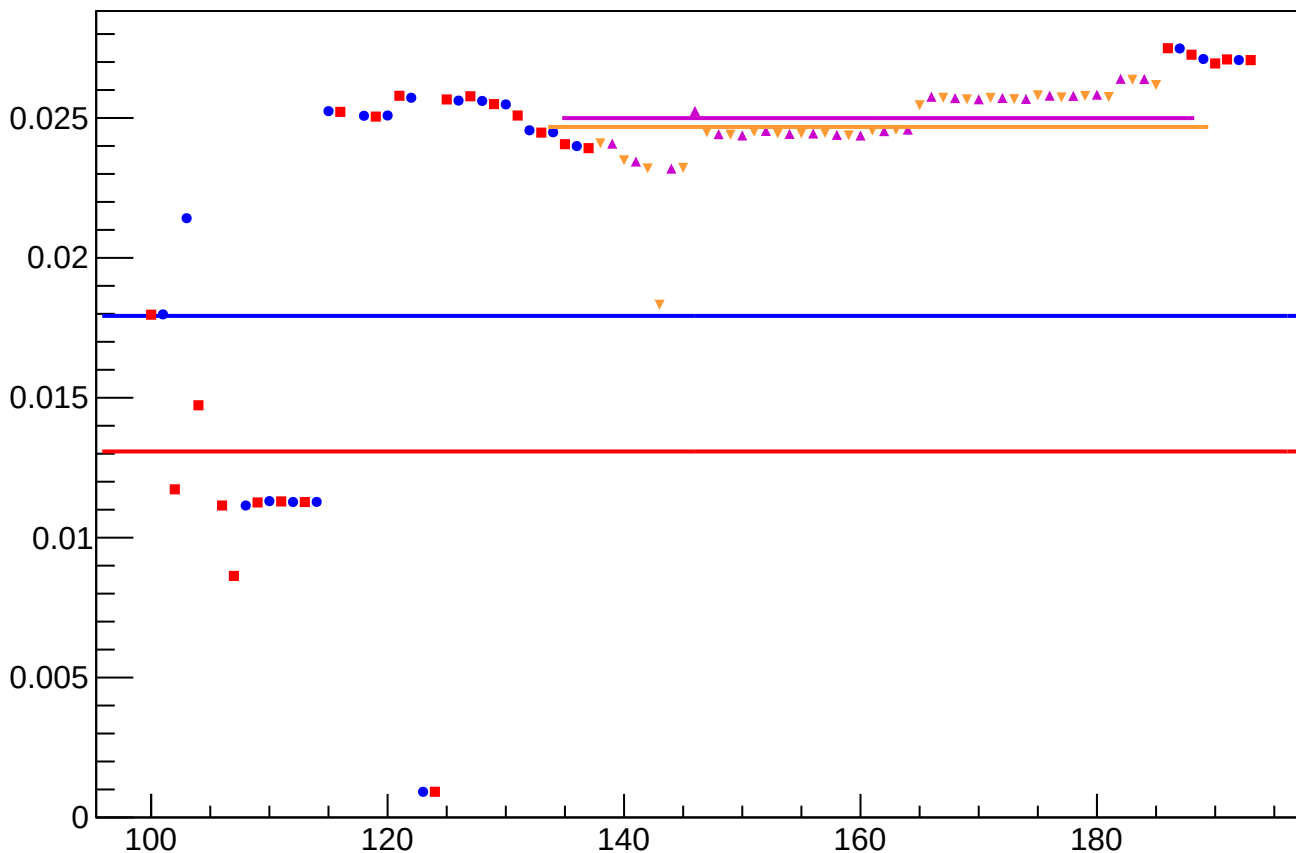
Left In: 0.056+/-0.000 χ^2/NDF : 52190.5/22

+ sign 0.055+/-0.000 χ^2/NDF : 122823.4/44

All: 0.055+/-0.000 χ^2/NDF : 395580.0/90

- sign 0.055+/-0.000 χ^2/NDF : 272562.4/45

yield_atl1_mean vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 143512170729.8/19

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF:9641065555.8/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 301186322683.7/23

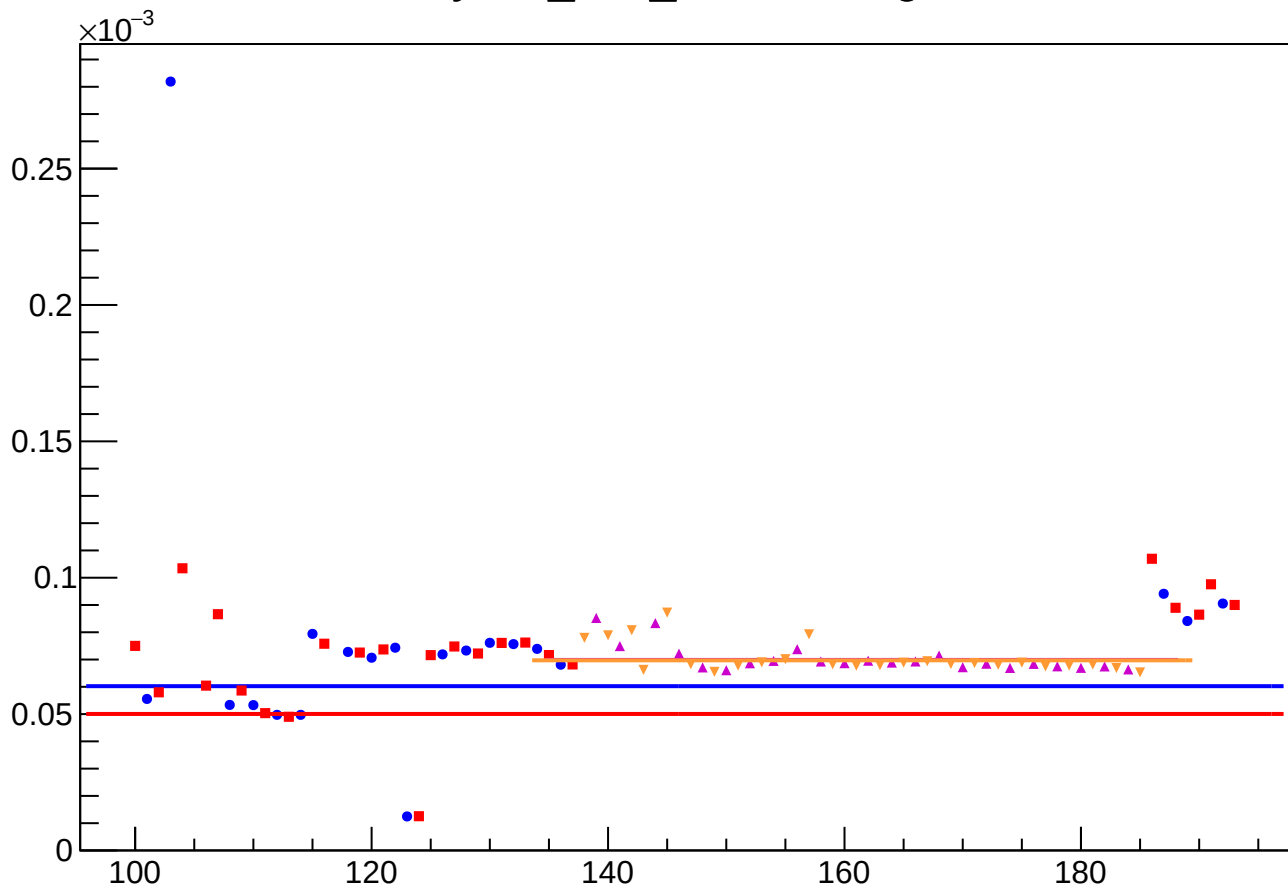
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF:2462473687.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 209724993119.0/44

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 749962473194.9

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 520408391784.1/46

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2339953.9/19

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 4788136.6/23

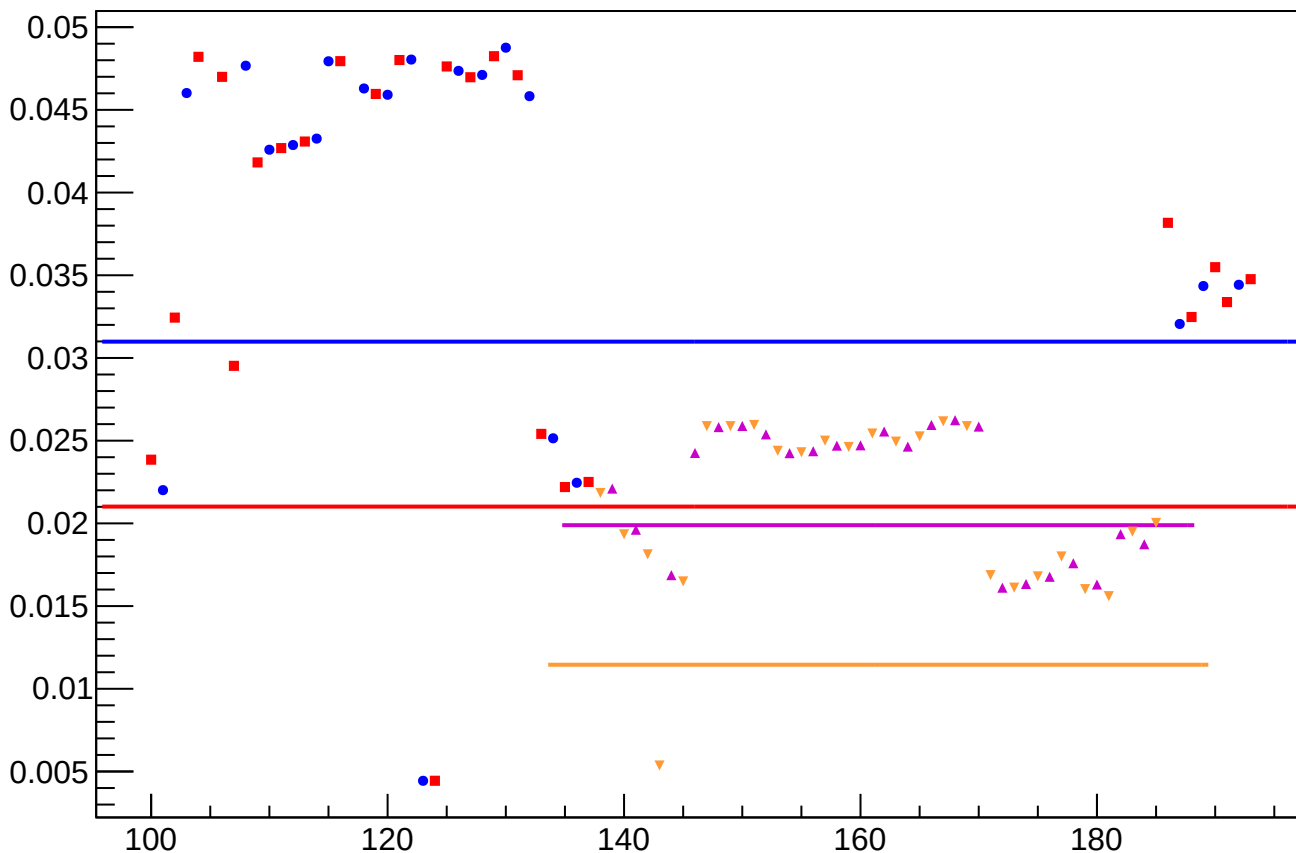
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 2721220.8/44

All: 0.000+/-0.000 χ^2/NDF : 9000708.6/91

- sign 0.000+/-0.000 χ^2/NDF : 6115391.0/46

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21151719955.5/19

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

Right Out: 0.021+/-0.000 χ^2/NDF : 41508213731.9/23

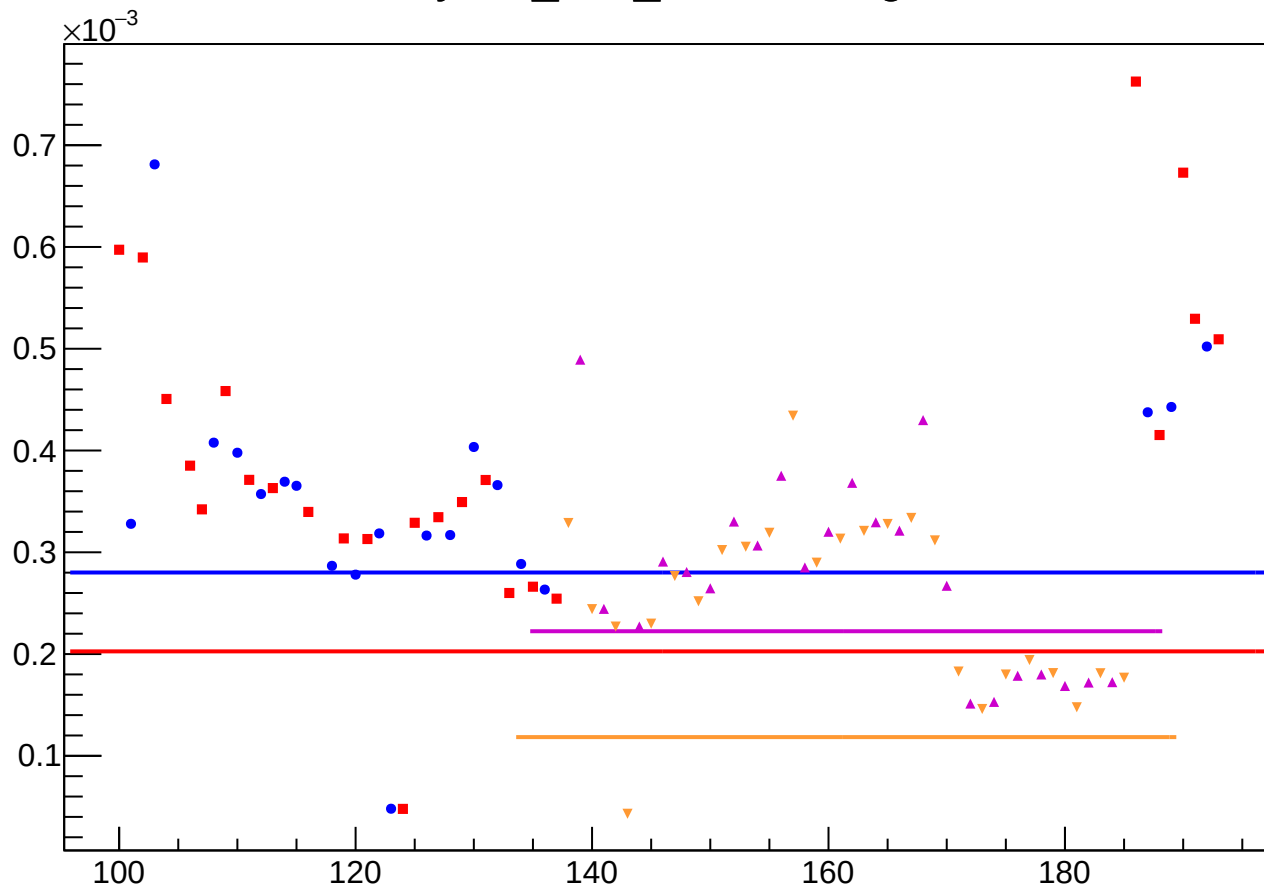
Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 87947578828.1/44

All: 0.016+/-0.000 χ^2/NDF : 147011842544.7

- sign 0.020+/-0.000 χ^2/NDF : 46078913272.3/46

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2924030.4/19

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7319490.1/23

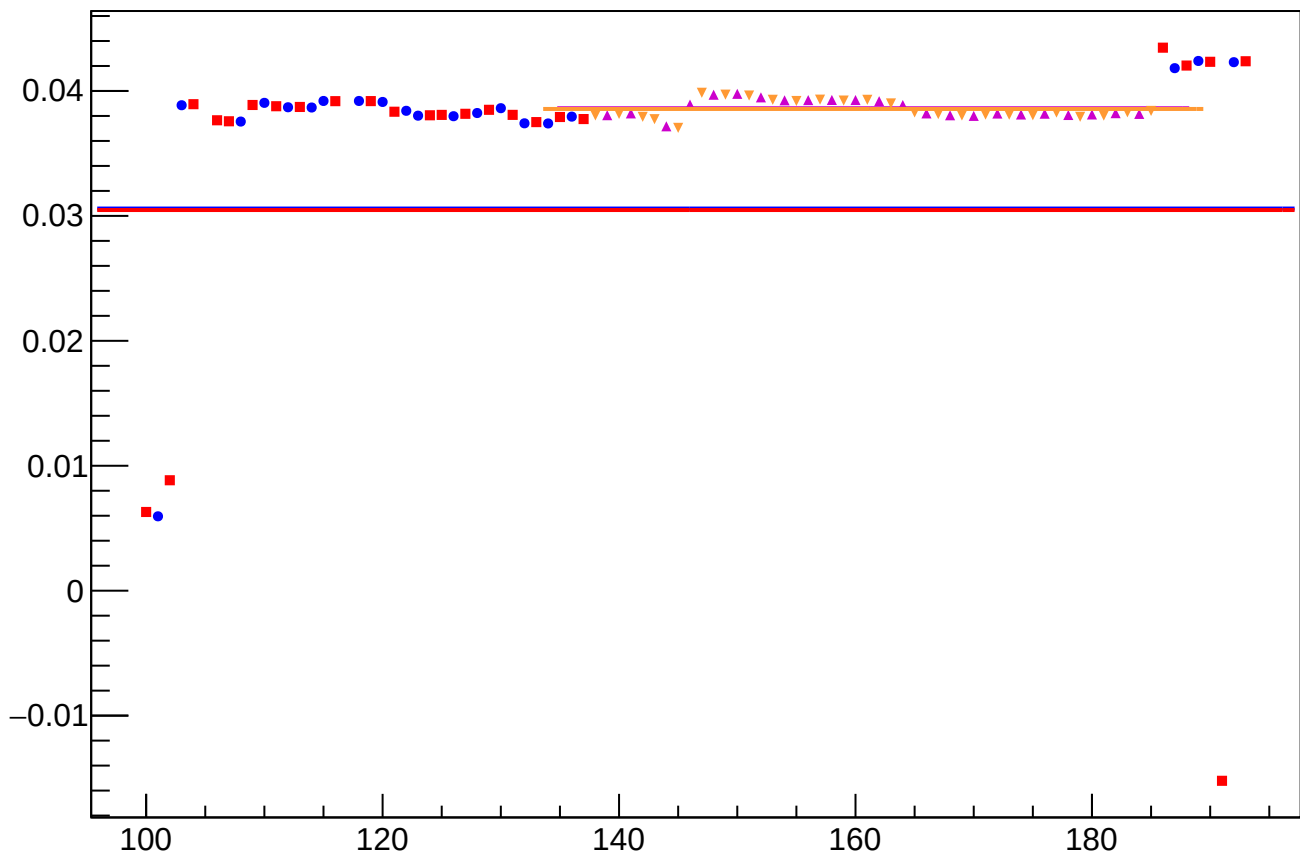
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 20120931.4/44

All: 0.000+/-0.000 χ^2/NDF : 34509159.9/91

- sign 0.000+/-0.000 χ^2/NDF : 10669900.2/46

yield_atr1_mean vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 101682898541.8/19

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 124058972037.0/44

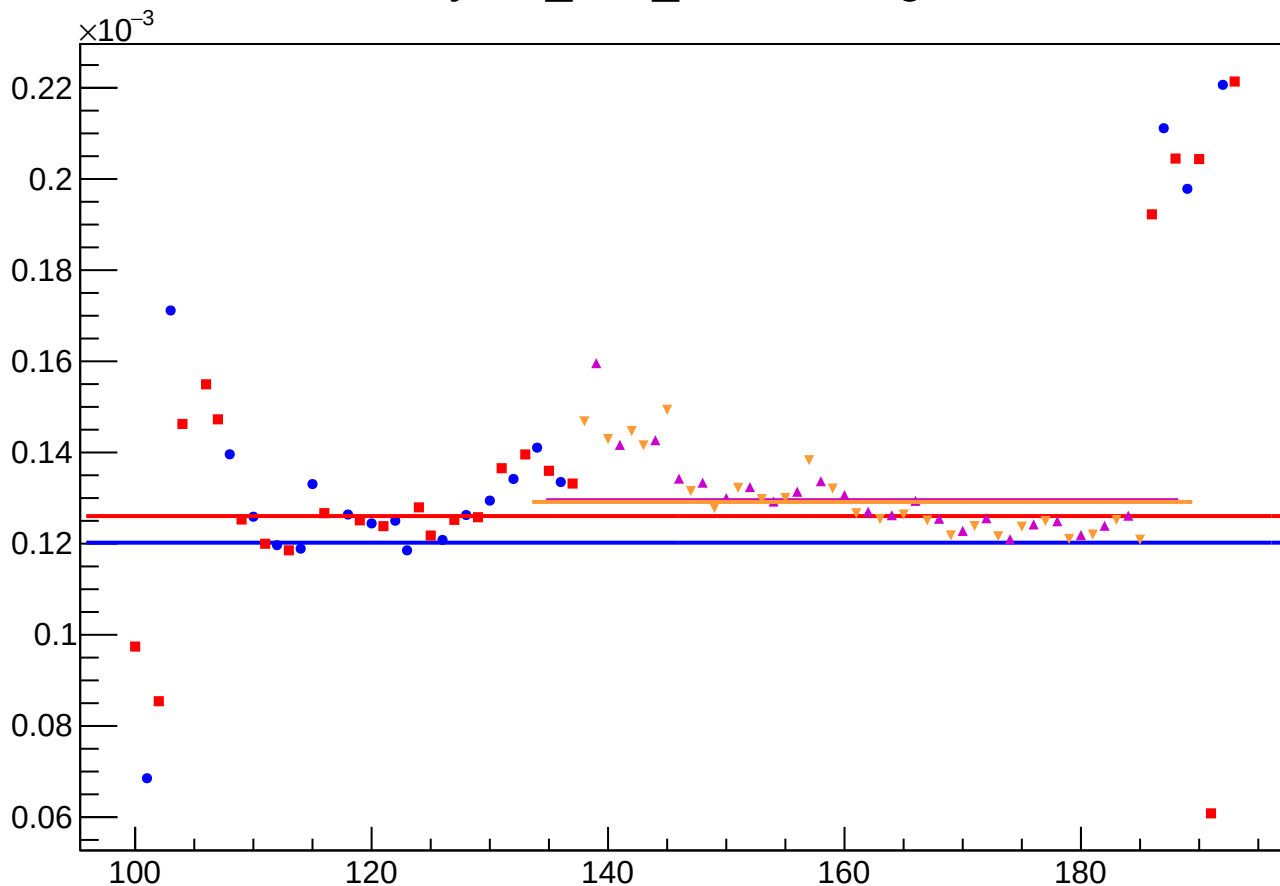
Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 168038320556.7/23

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 315956816763.6

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 191859638410.3/46

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 1386172.1/19

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 1401419.0/23

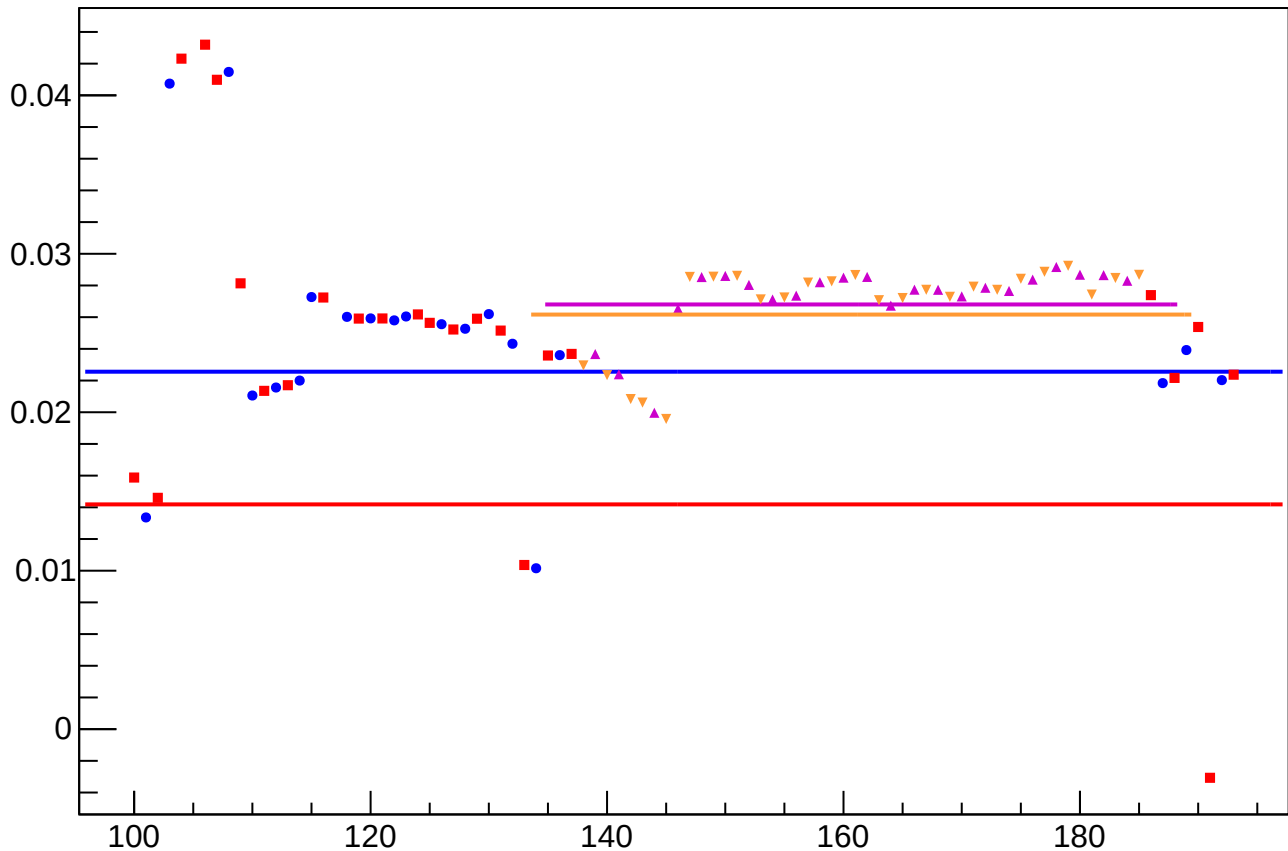
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 1571386.0/44

All: 0.000+/-0.000 χ^2/NDF : 3102490.8/91

- sign 0.000+/-0.000 χ^2/NDF : 1524702.9/46

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4243800014.7/19

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.014+/-0.000 χ^2/NDF : 30345914931.5/23

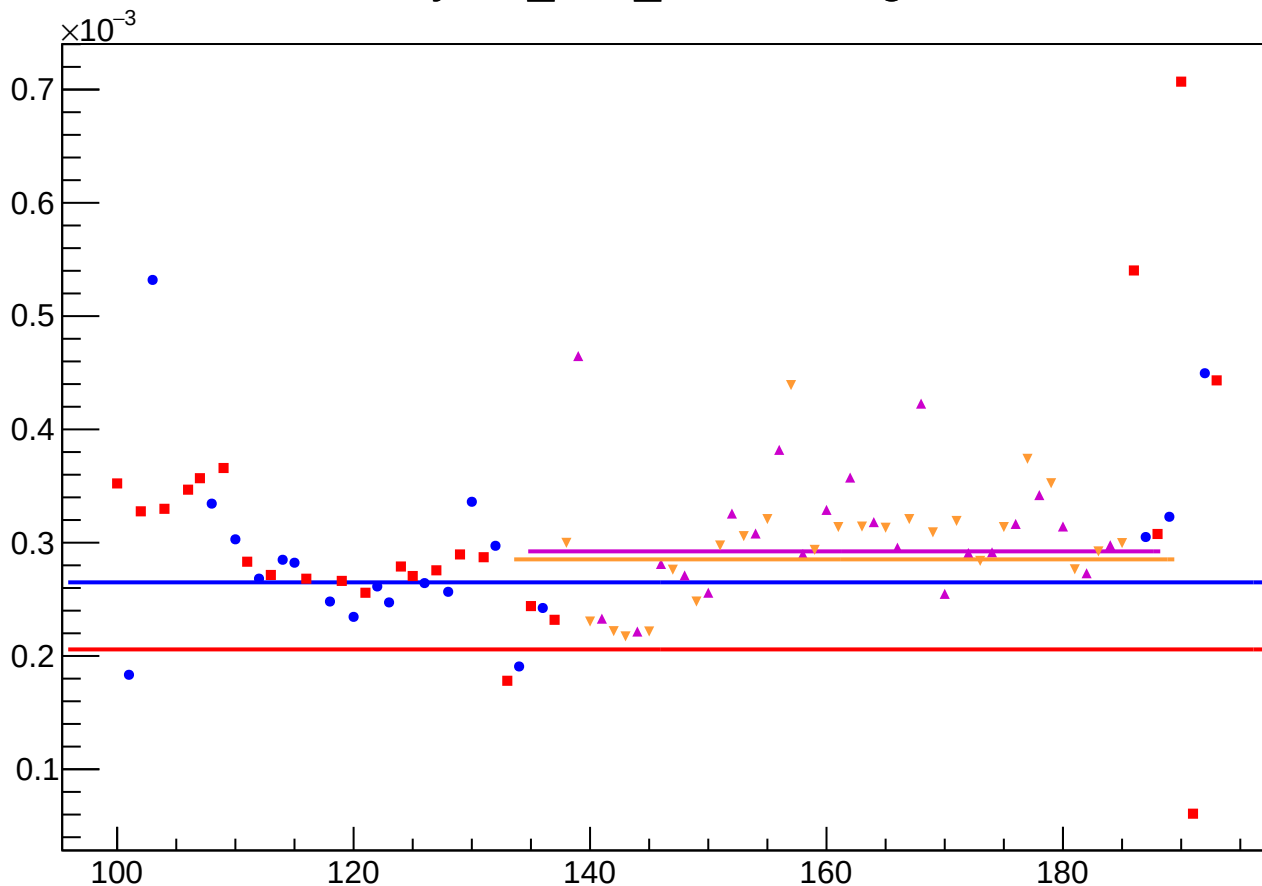
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7163986303.0/44

All: 0.023+/-0.000 χ^2/NDF : 54520874651.1/9

- sign 0.021+/-0.000 χ^2/NDF : 44970150224.8/46

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 979397.4/19

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 4547778.0/23

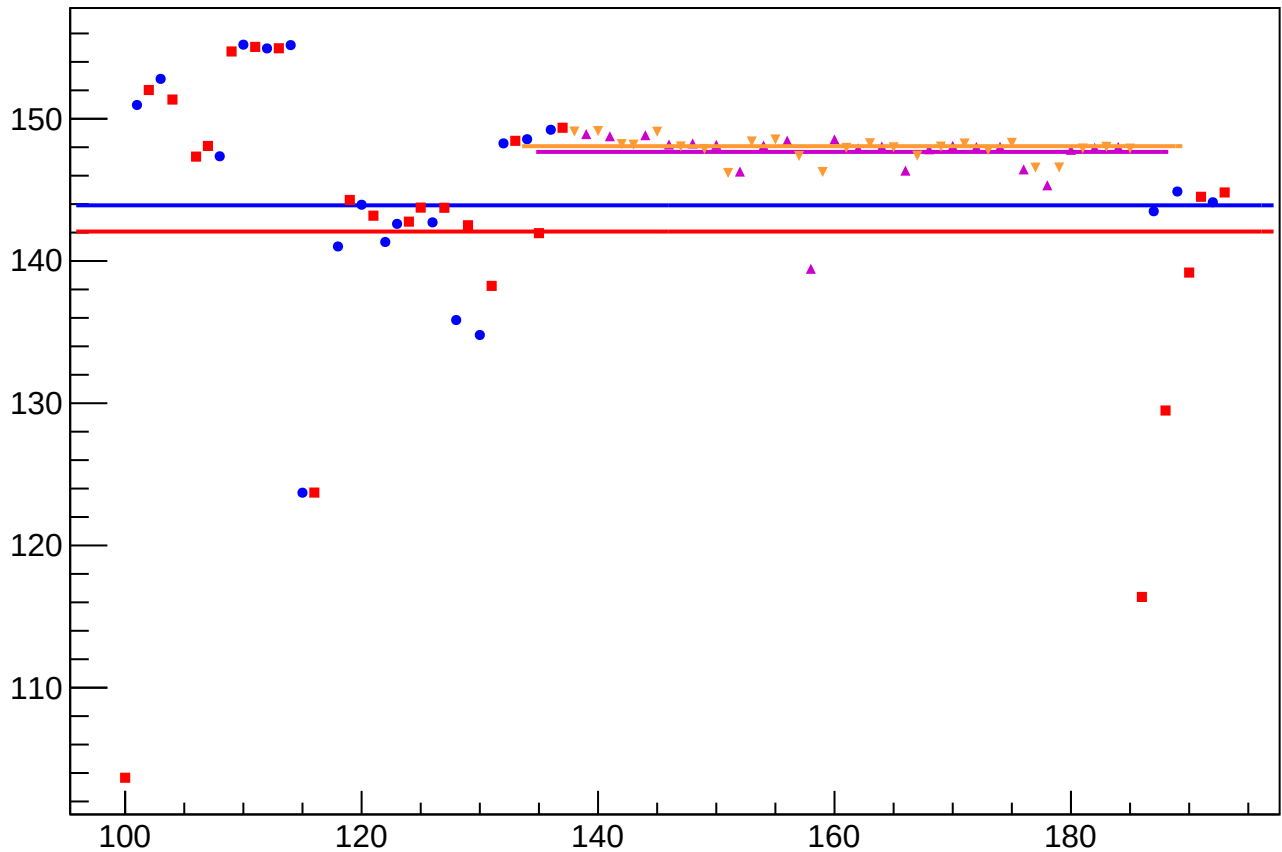
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1847490.3/44

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8749436.0/91

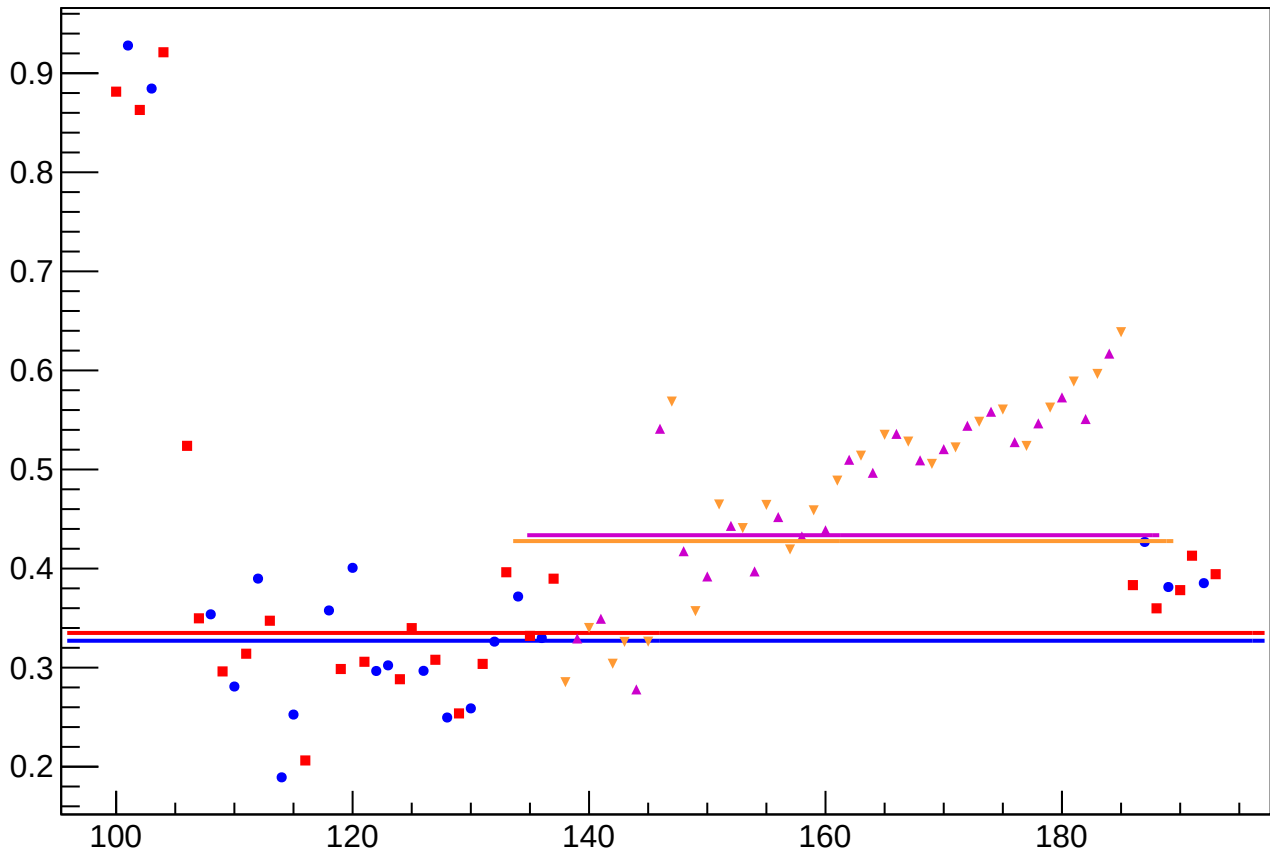
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6697580.3/46

yield_bcm_an_ds_mean vs Slug



Right In: 143.915+/-0.000	χ^2/NDF : 3454025314.8/19	+ sign 146.366+/-0.000	χ^2/NDF : 4178451440.0/44
Left Out: 148.073+/-0.000	χ^2/NDF : 65614067.4/24	All: 145.722+/-0.000	χ^2/NDF : 13162027990.
Right Out: 142.071+/-0.000	χ^2/NDF : 7260384203.8/23	- sign 145.091+/-0.000	χ^2/NDF : 8854449584.9/46
Left In: 147.670+/-0.000	χ^2/NDF : 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.327 ± 0.000 χ^2/NDF : 1343959.2/19

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.335 ± 0.000 χ^2/NDF : 1315526.0/23

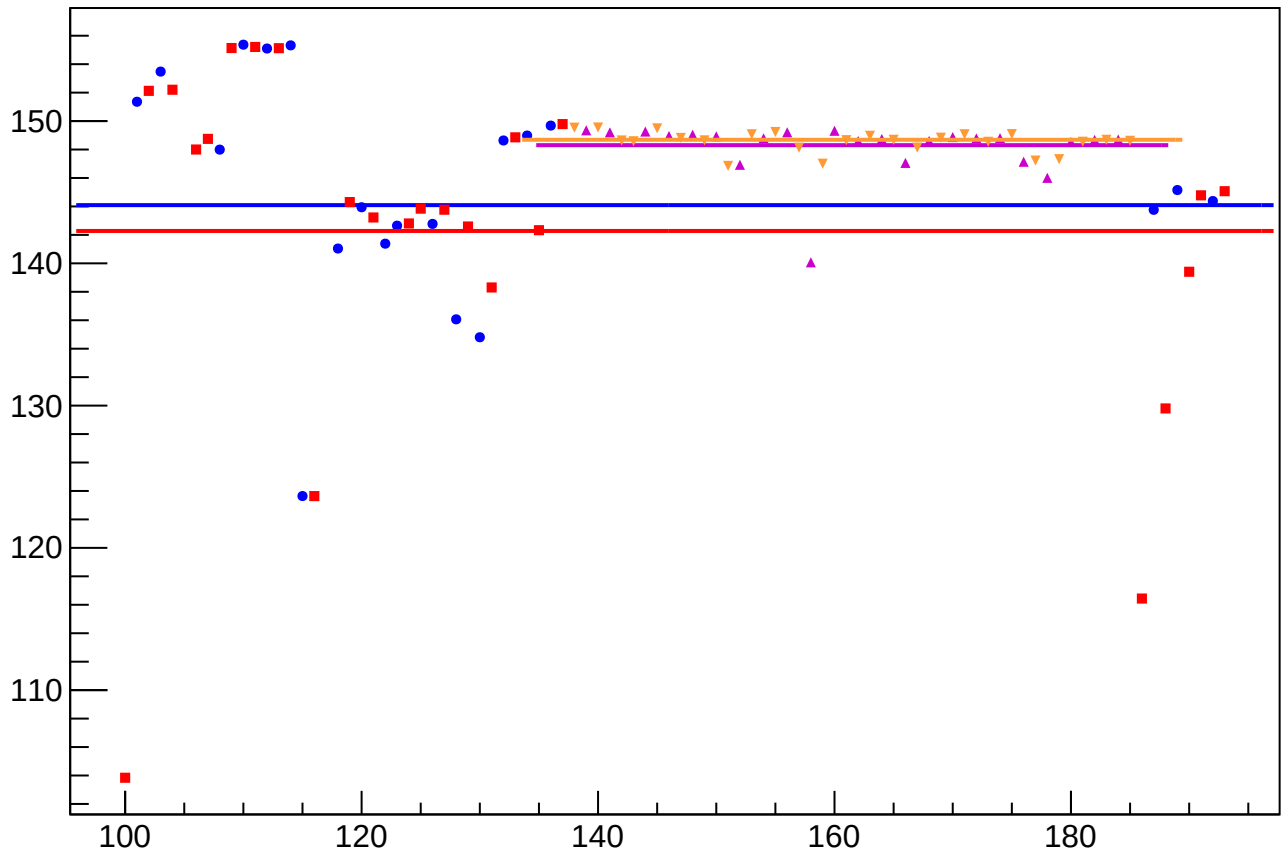
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.386 ± 0.000 χ^2/NDF : 4011898.6/44

All: 0.387 ± 0.000 χ^2/NDF : 7599779.5/91

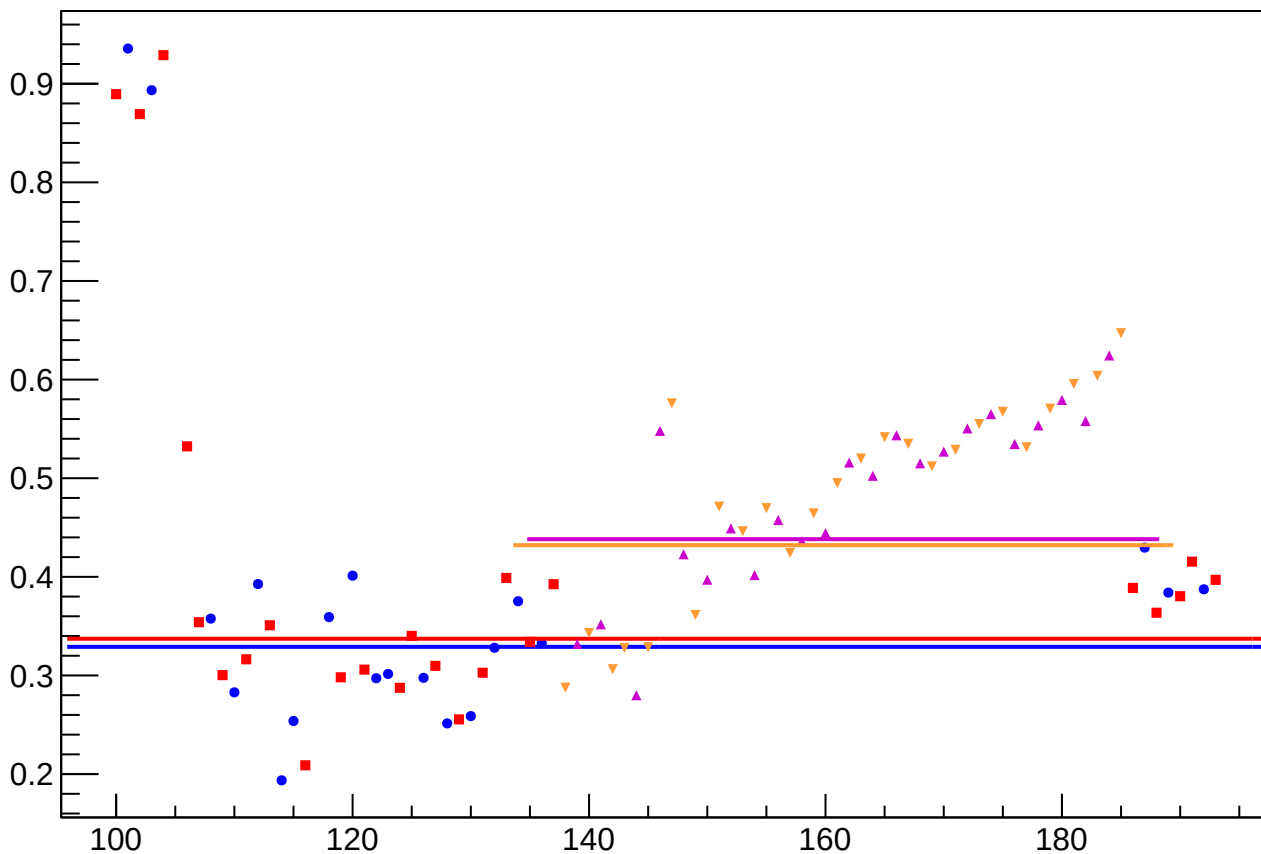
- sign 0.388 ± 0.000 χ^2/NDF : 3587374.0/46

yield_bcm_an_ds3_mean vs Slug



Right In: 144.091+/-0.000	χ^2/NDF : 3499221141.9/19	+ sign 146.789+/-0.000	χ^2/NDF : 4343355985.0/44
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.147+/-0.000	χ^2/NDF : 13431859920.
Right Out: 142.276+/-0.000	χ^2/NDF : 7204315038.5/23	- sign 145.516+/-0.000	χ^2/NDF : 8962141450.9/46
Left In: 148.307+/-0.000	χ^2/NDF : 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.329 $\pm$ 0.000 χ^2 /NDF: 1345892.9/19

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1929031.5/24

Right Out: 0.337 $\pm$ 0.000 χ^2 /NDF: 1320384.6/23

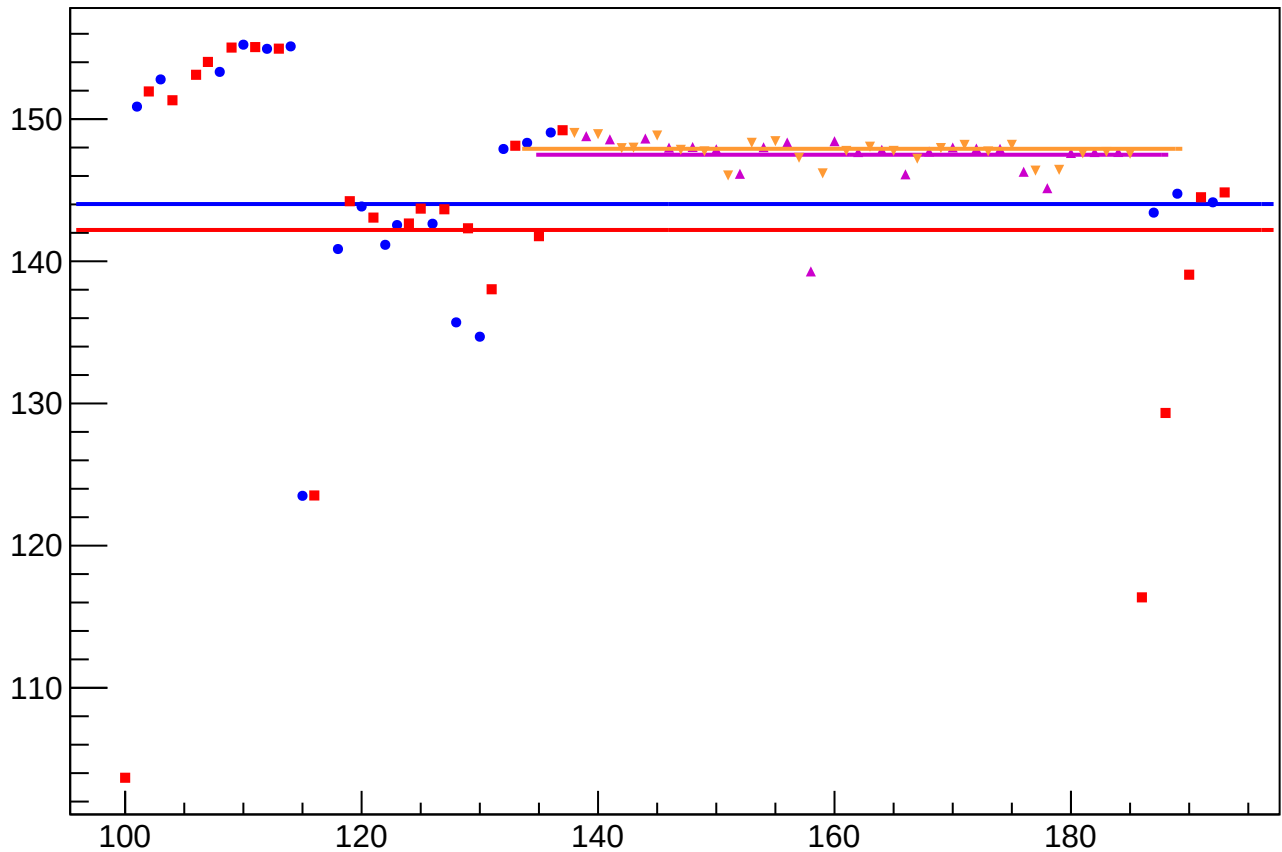
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.390 $\pm$ 0.000 χ^2 /NDF: 4072376.1/44

All: 0.391 $\pm$ 0.000 χ^2 /NDF: 7713718.5/91

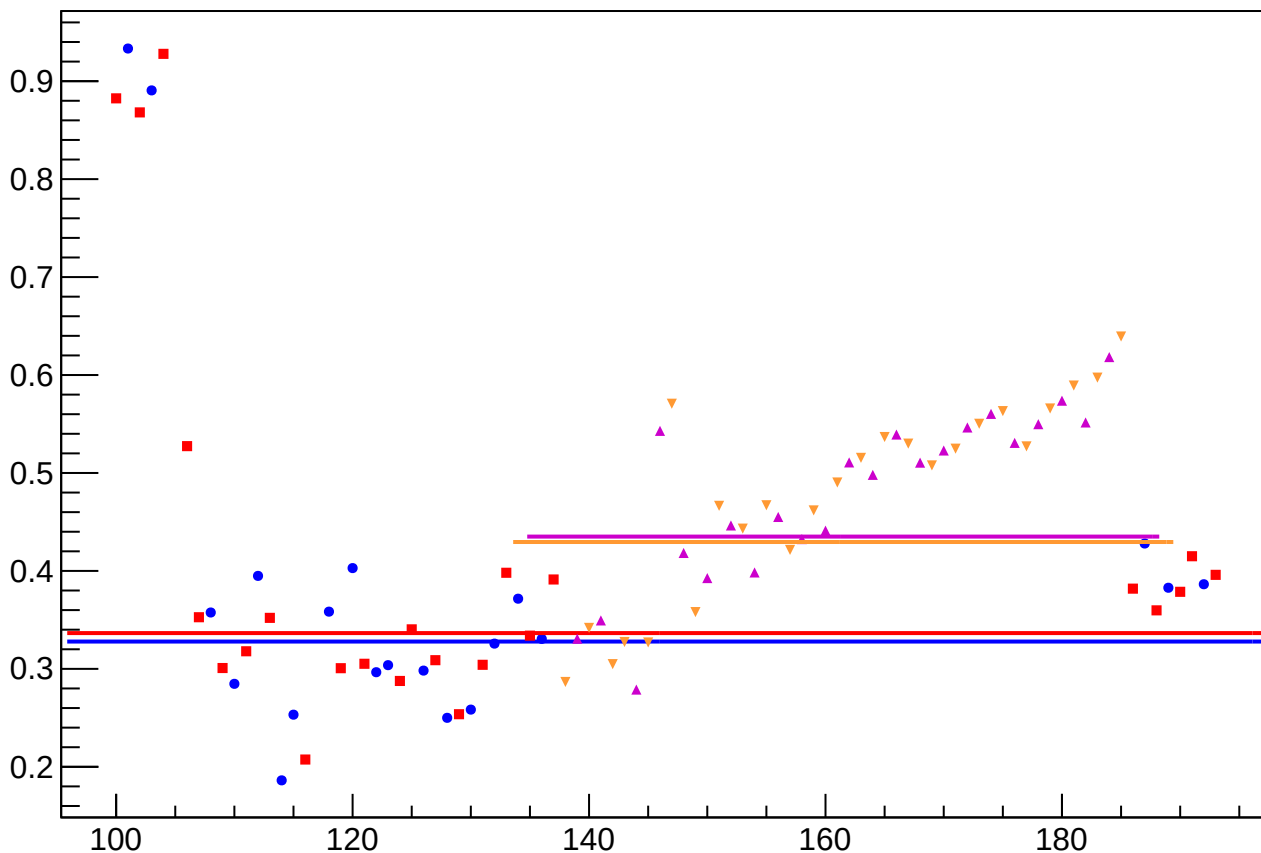
- sign 0.391 $\pm$ 0.000 χ^2 /NDF: 3640760.6/46

yield_bcm_an_us_mean vs Slug



Right In: 144.026+/-0.000	χ^2/NDF : 3666358406.9/19	+ sign 146.314+/-0.000	χ^2/NDF : 4301824435.3/44
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.681+/-0.000	χ^2/NDF : 13529696842.
Right Out: 142.203+/-0.000	χ^2/NDF : 7653308209.9/23	- sign 145.059+/-0.000	χ^2/NDF : 9103685477.7/46
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.328 ± 0.000 $\chi^2/\text{NDF}: 1359271.8/19$

Left Out: 0.430 ± 0.000 $\chi^2/\text{NDF}: 1895701.4/24$

Right Out: 0.337 ± 0.000 $\chi^2/\text{NDF}: 1316438.5/23$

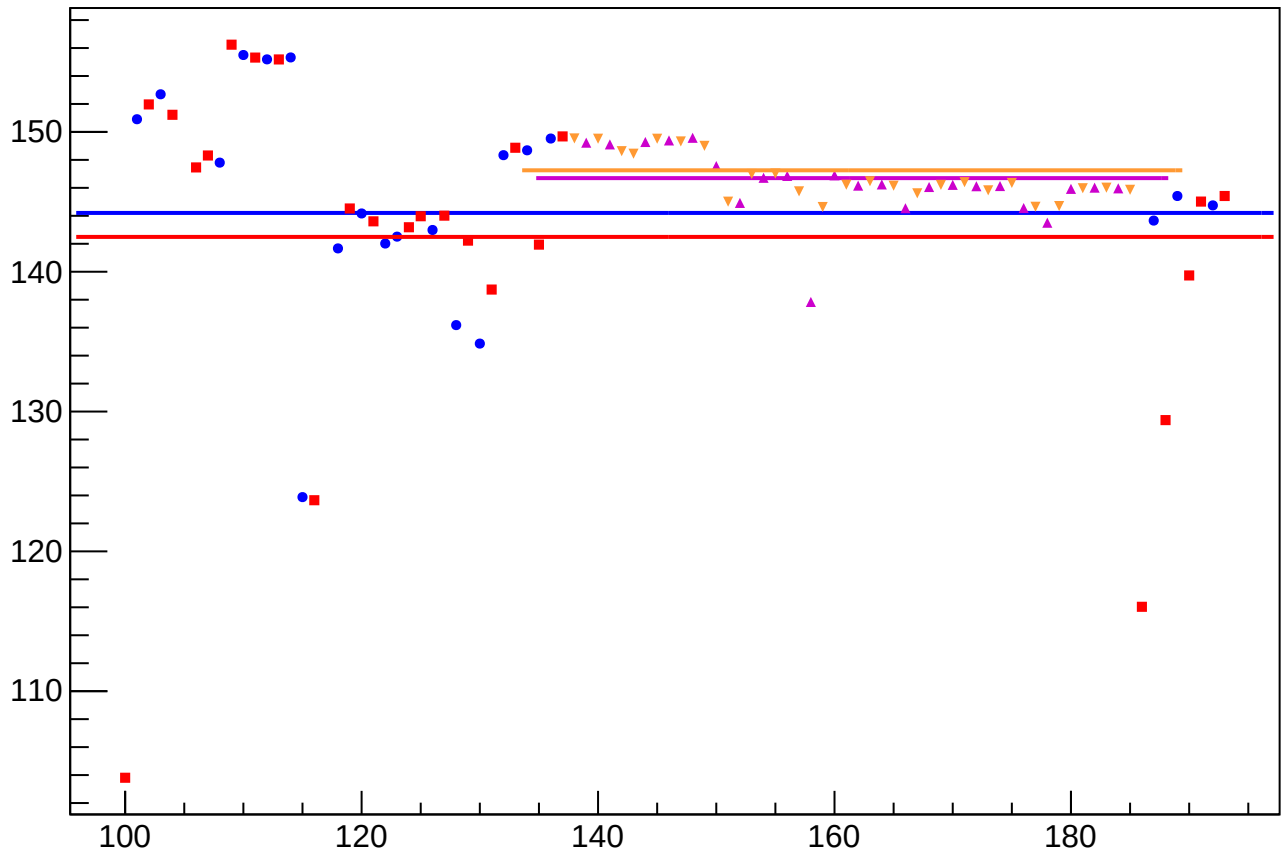
Left In: 0.435 ± 0.000 $\chi^2/\text{NDF}: 1502712.5/22$

+ sign 0.388 ± 0.000 $\chi^2/\text{NDF}: 4036559.8/44$

All: 0.389 ± 0.000 $\chi^2/\text{NDF}: 7623629.5/91$

- sign 0.390 ± 0.000 $\chi^2/\text{NDF}: 3586448.0/46$

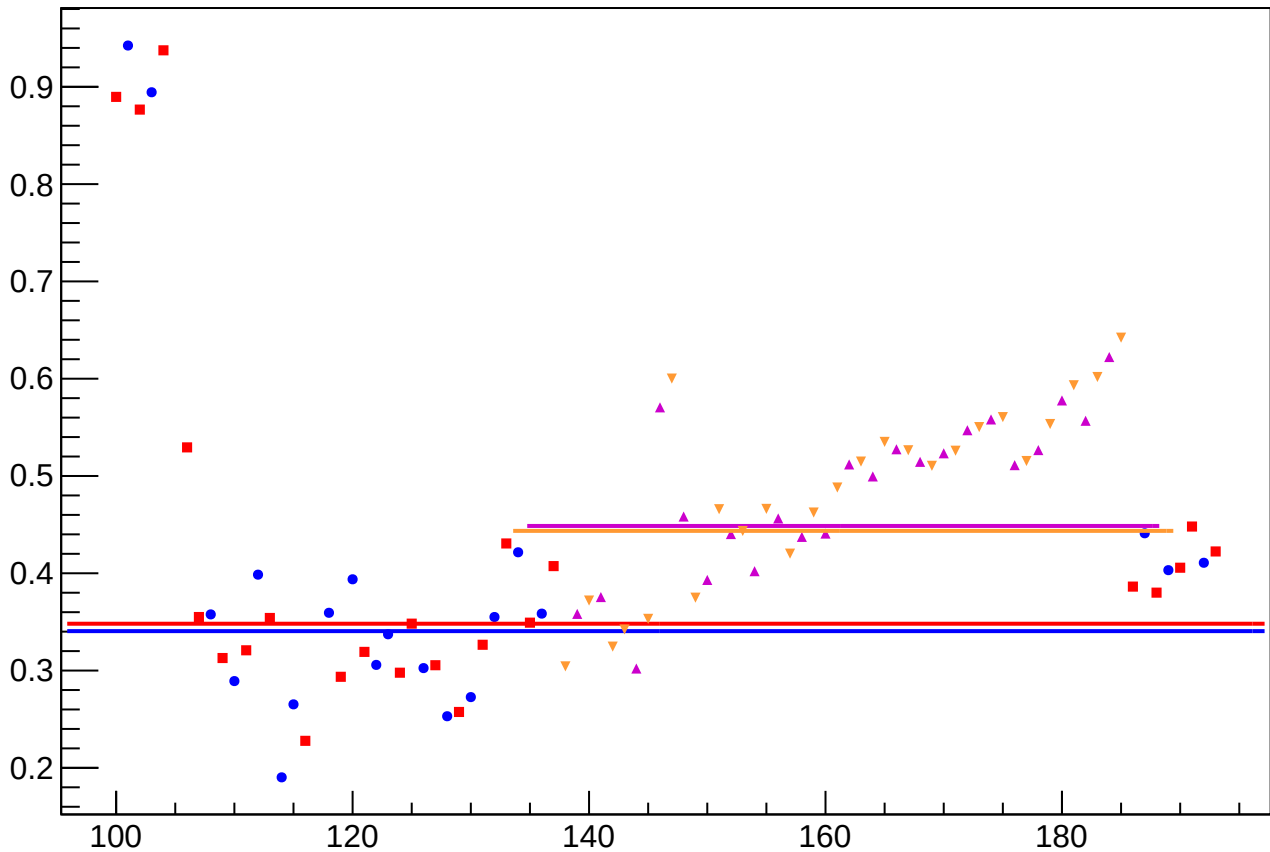
yield_bcm_dg_us_mean vs Slug



Right In: 144.206 ± 0.000 χ^2/NDF : 3169087797.8/19
 Left Out: 147.255 ± 0.000 χ^2/NDF : 262138049.8/24
 Right Out: 142.491 ± 0.000 χ^2/NDF : 6958011413.6/23
 Left In: 146.695 ± 0.000 χ^2/NDF : 557896803.1/22

+ sign 146.020 ± 0.000 χ^2/NDF : 3759042162.9/44
 All: 145.394 ± 0.000 χ^2/NDF : 12044554051.
 - sign 144.783 ± 0.000 χ^2/NDF : 8172154920.9/46

yield_bcm_dg_us_rms vs Slug



Right In: 0.341 ± 0.000 $\chi^2/\text{NDF}: 1358087.7/19$

Left Out: 0.444 ± 0.000 $\chi^2/\text{NDF}: 1483434.7/24$

Right Out: 0.348 ± 0.000 $\chi^2/\text{NDF}: 1307136.0/23$

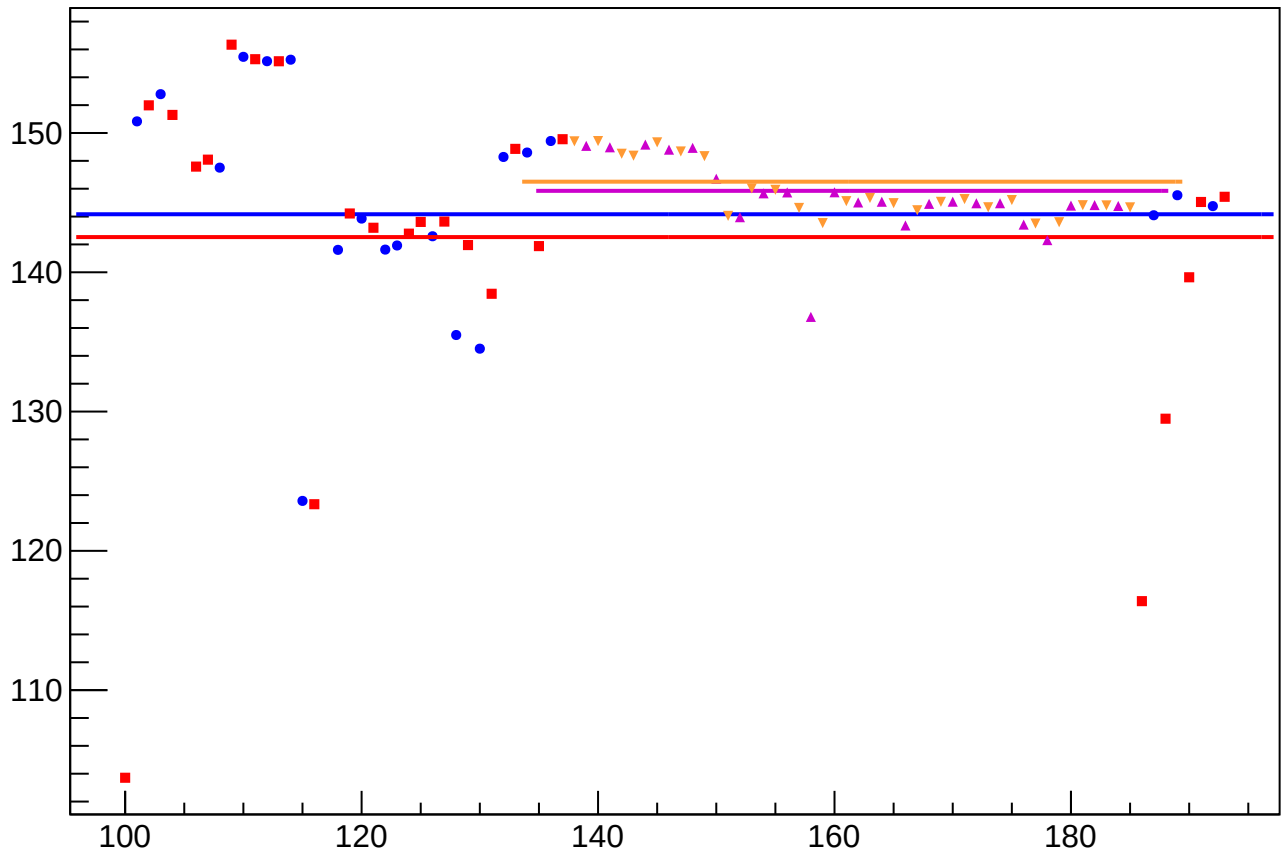
Left In: 0.449 ± 0.000 $\chi^2/\text{NDF}: 1132620.8/22$

+ sign 0.402 ± 0.000 $\chi^2/\text{NDF}: 3590803.6/44$

All: 0.402 ± 0.000 $\chi^2/\text{NDF}: 6780740.1/91$

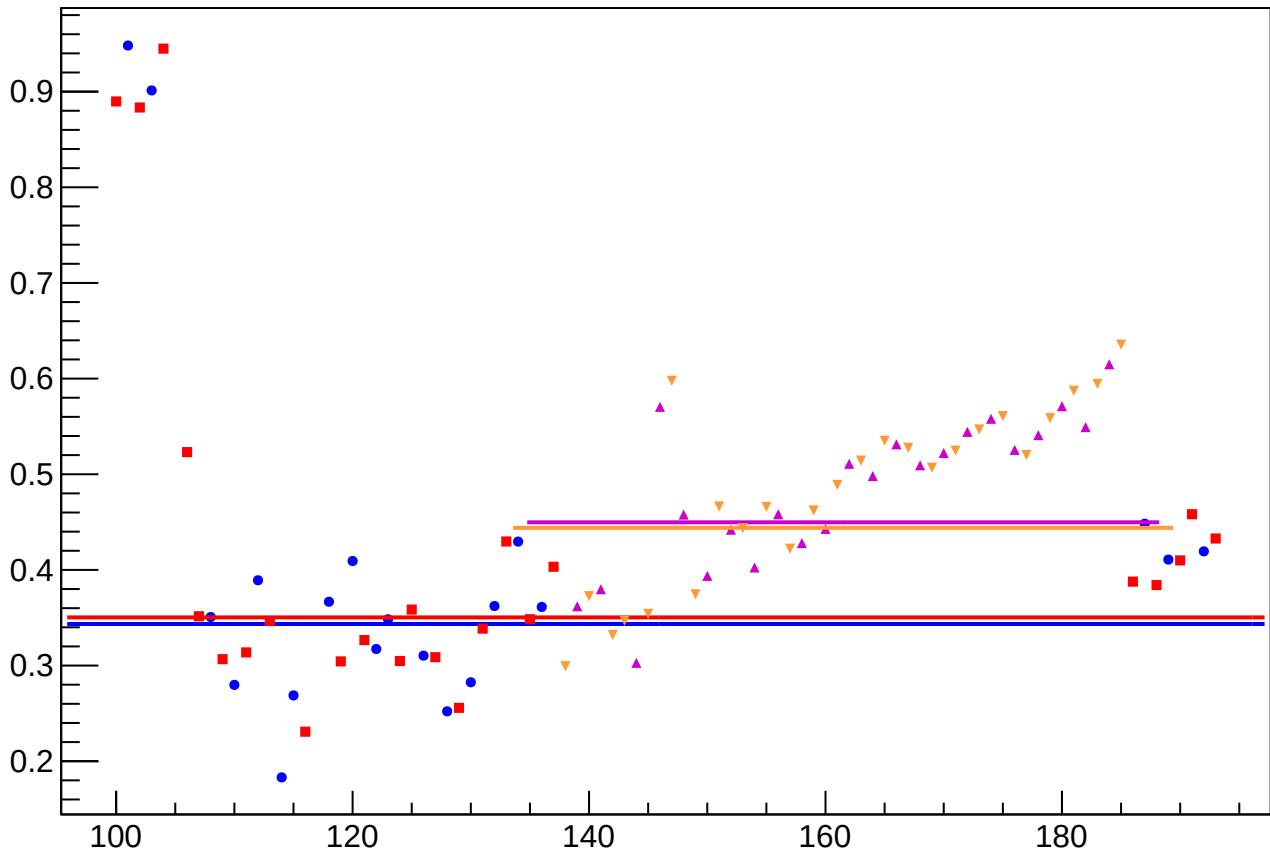
- sign 0.403 ± 0.000 $\chi^2/\text{NDF}: 3189767.5/46$

yield_bcm_dg_ds_mean vs Slug



Right In: 144.166+/-0.000	χ^2/NDF : 3289613775.9/19	+ sign 145.569+/-0.000	χ^2/NDF : 3881593309.2/44
Left Out: 146.505+/-0.000	χ^2/NDF : 401688176.3/24	All: 144.950+/-0.000	χ^2/NDF : 12028273697.
Right Out: 142.527+/-0.000	χ^2/NDF : 6937417399.0/23	- sign 144.345+/-0.000	χ^2/NDF : 8036922383.0/46
Left In: 145.847+/-0.000	χ^2/NDF : 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.343 $\pm$ 0.000 χ^2 /NDF: 1383815.7/19

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.350 $\pm$ 0.000 χ^2 /NDF: 1308923.0/23

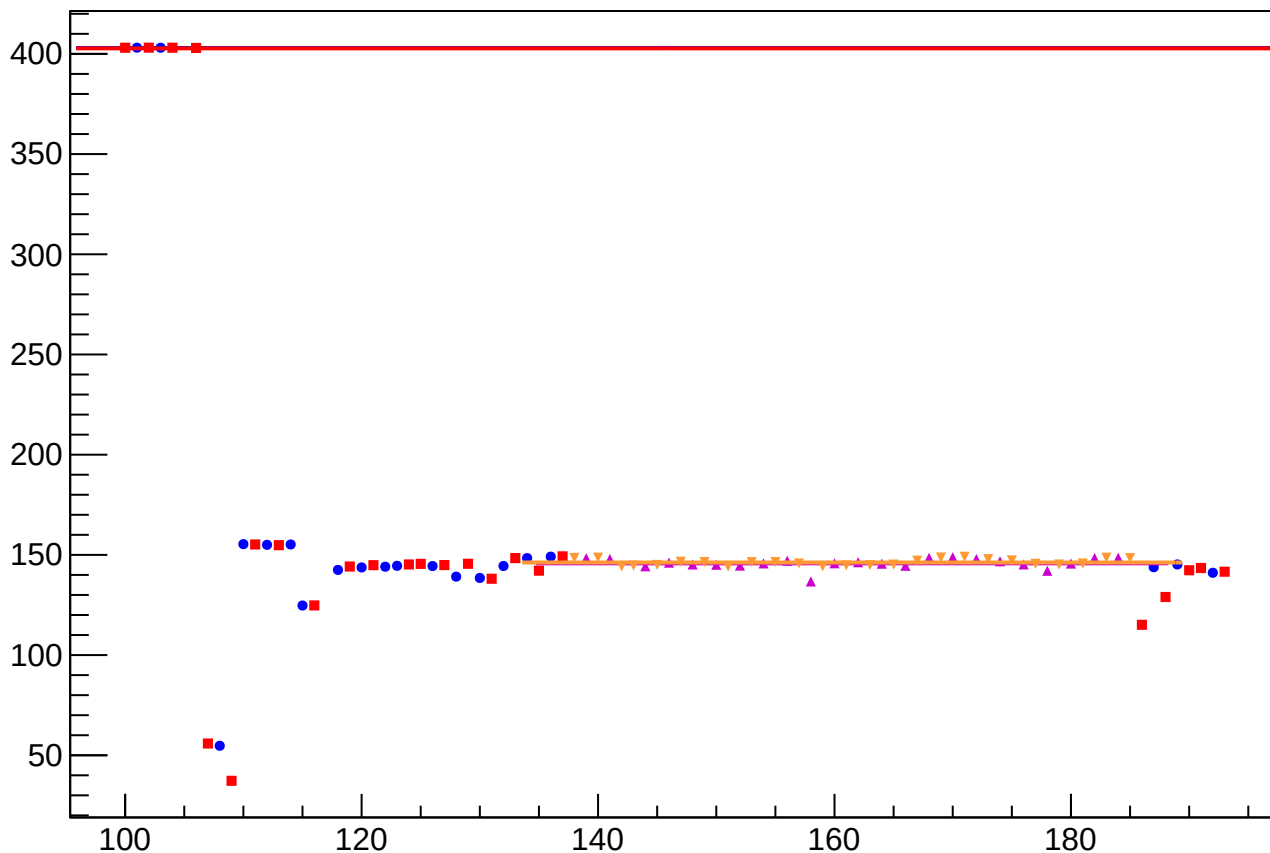
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.404 $\pm$ 0.000 χ^2 /NDF: 3550525.7/44

All: 0.404 $\pm$ 0.000 χ^2 /NDF: 6690940.7/91

- sign 0.405 $\pm$ 0.000 χ^2 /NDF: 3140256.7/46

yield_cav4bQ_mean vs Slug



Right In: 402.939+/-0.000 χ^2/NDF : 1245260855105.9/19

Left Out: 146.205+/-0.000 χ^2/NDF : 86658381.3/24

Right Out: 402.762+/-0.000 χ^2/NDF : 3450527672948.2/23

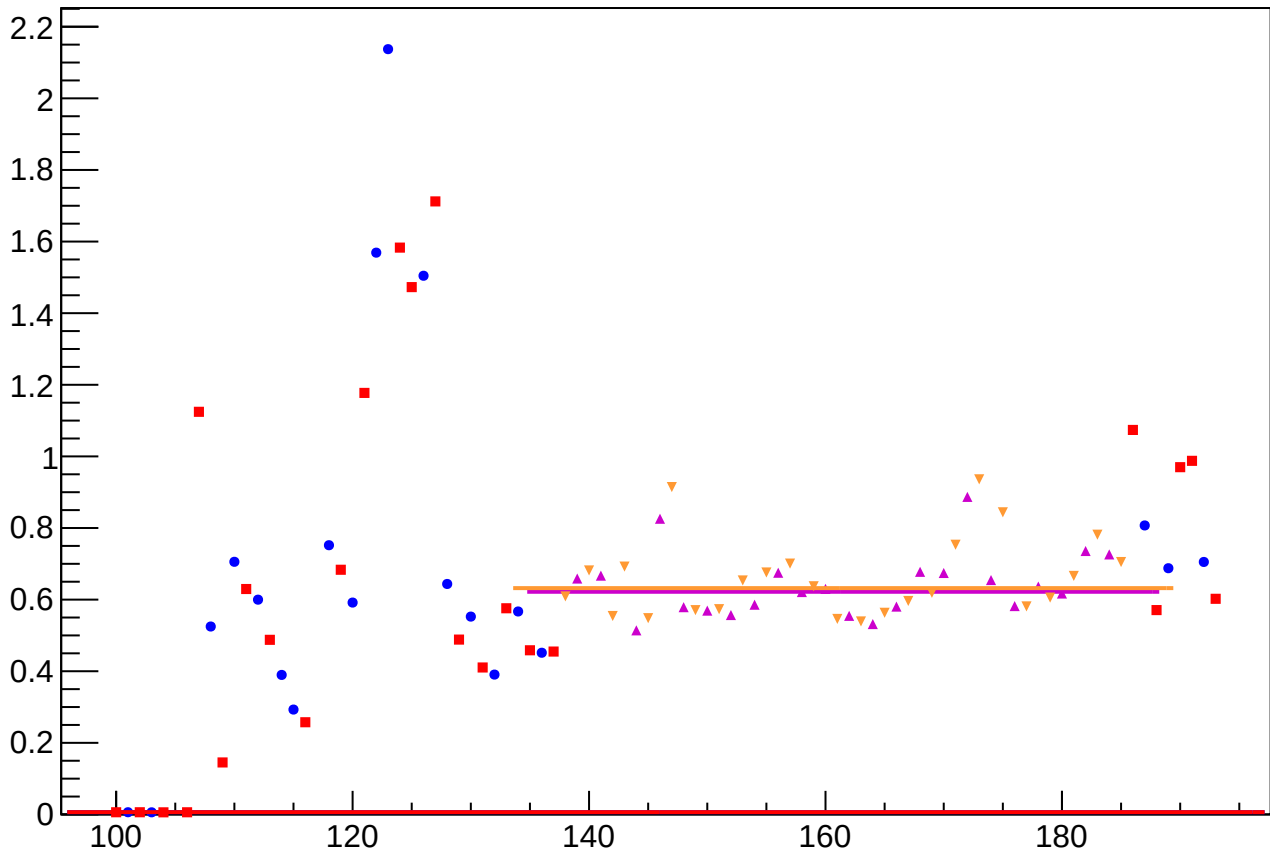
Left In: 145.773+/-0.000 χ^2/NDF : 207332354.9/22

+ sign 402.642+/-0.000 χ^2/NDF : 3616912695655.6

All: 402.568+/-0.000 χ^2/NDF : 941453510117

- sign 402.503+/-0.000 χ^2/NDF : 5797300950217.8

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 11228574.8/19

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 13366336.0/23

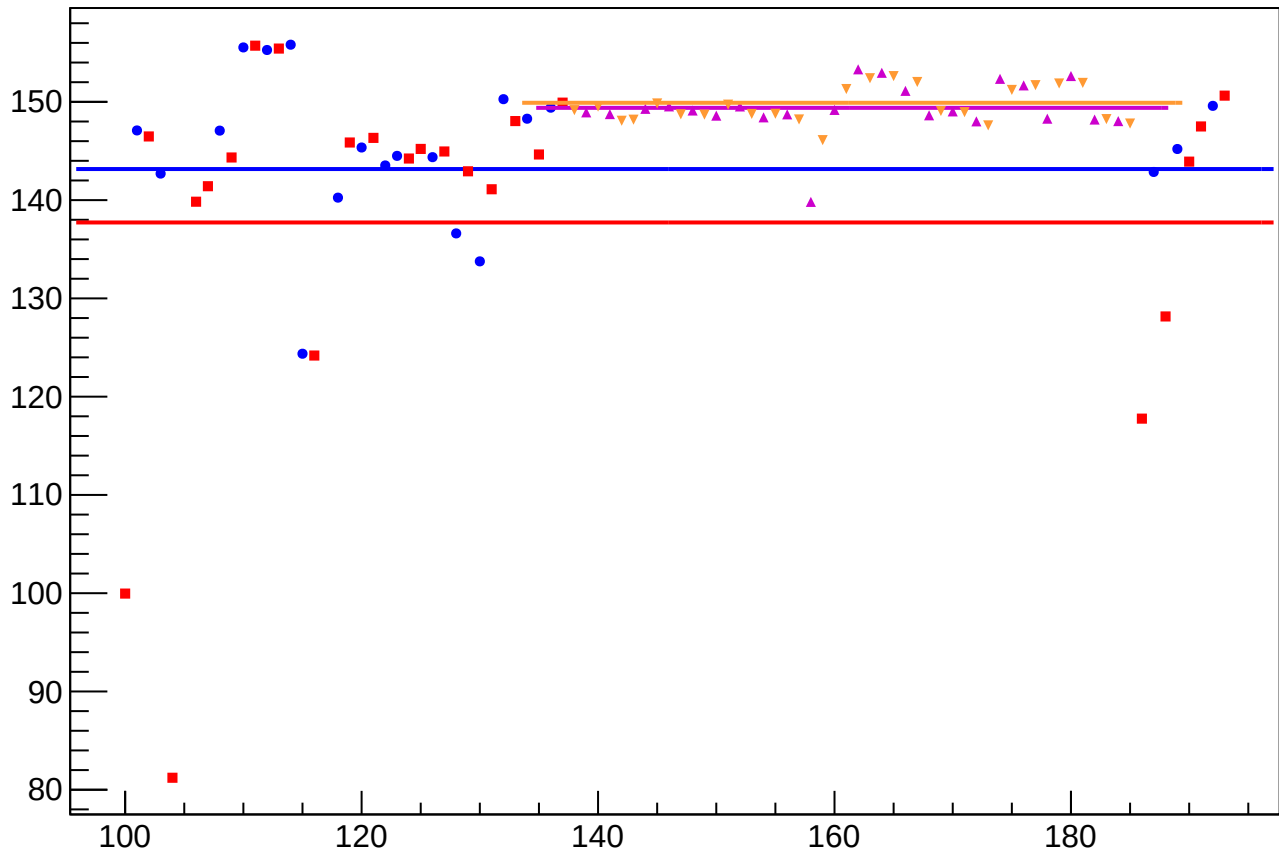
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 40017789.3/44

All: 0.007+/-0.000 χ^2/NDF : 80711770.2/91

- sign 0.007+/-0.000 χ^2/NDF : 40693795.0/46

yield_cav4cQ_mean vs Slug



Right In: 143.163 $\pm$ 0.000 χ^2 /NDF: 1092424190.7/19

Left Out: 149.906 $\pm$ 0.000 χ^2 /NDF:163261802.4/24

Right Out: 137.726 $\pm$ 0.000 χ^2 /NDF: 2432968048.6/23

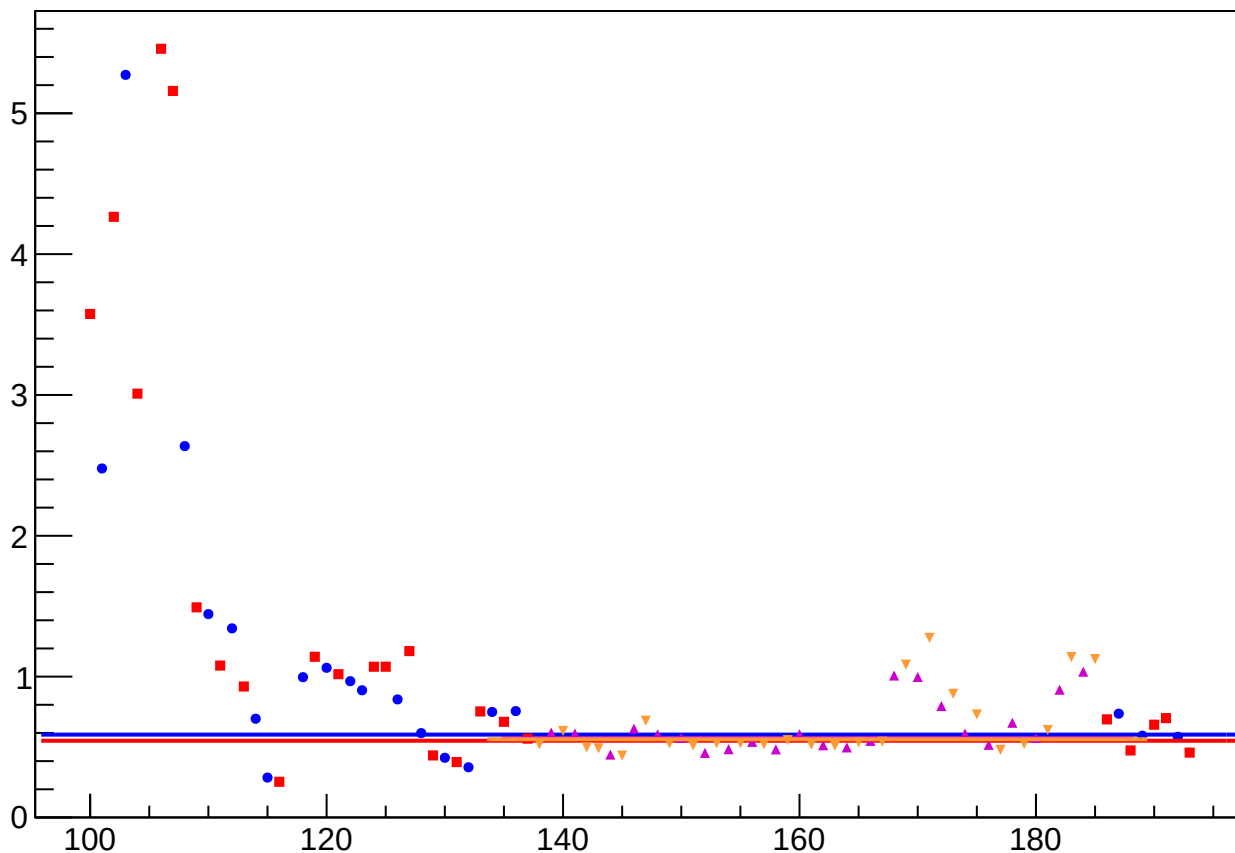
Left In: 149.391 $\pm$ 0.000 χ^2 /NDF:437129920.4/22

+ sign 148.499 $\pm$ 0.000 χ^2 /NDF: 1738877370.7/44

All: 147.305 $\pm$ 0.000 χ^2 /NDF: 6594688722.5

- sign 146.140 $\pm$ 0.000 χ^2 /NDF: 4674609221.8/46

yield_cav4cQ_rms vs Slug



Right In: 0.588 $\pm$ 0.000 χ^2 /NDF: 3483854.0/19

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773380.1/24

Right Out: 0.545 $\pm$ 0.000 χ^2 /NDF: 4796944.8/23

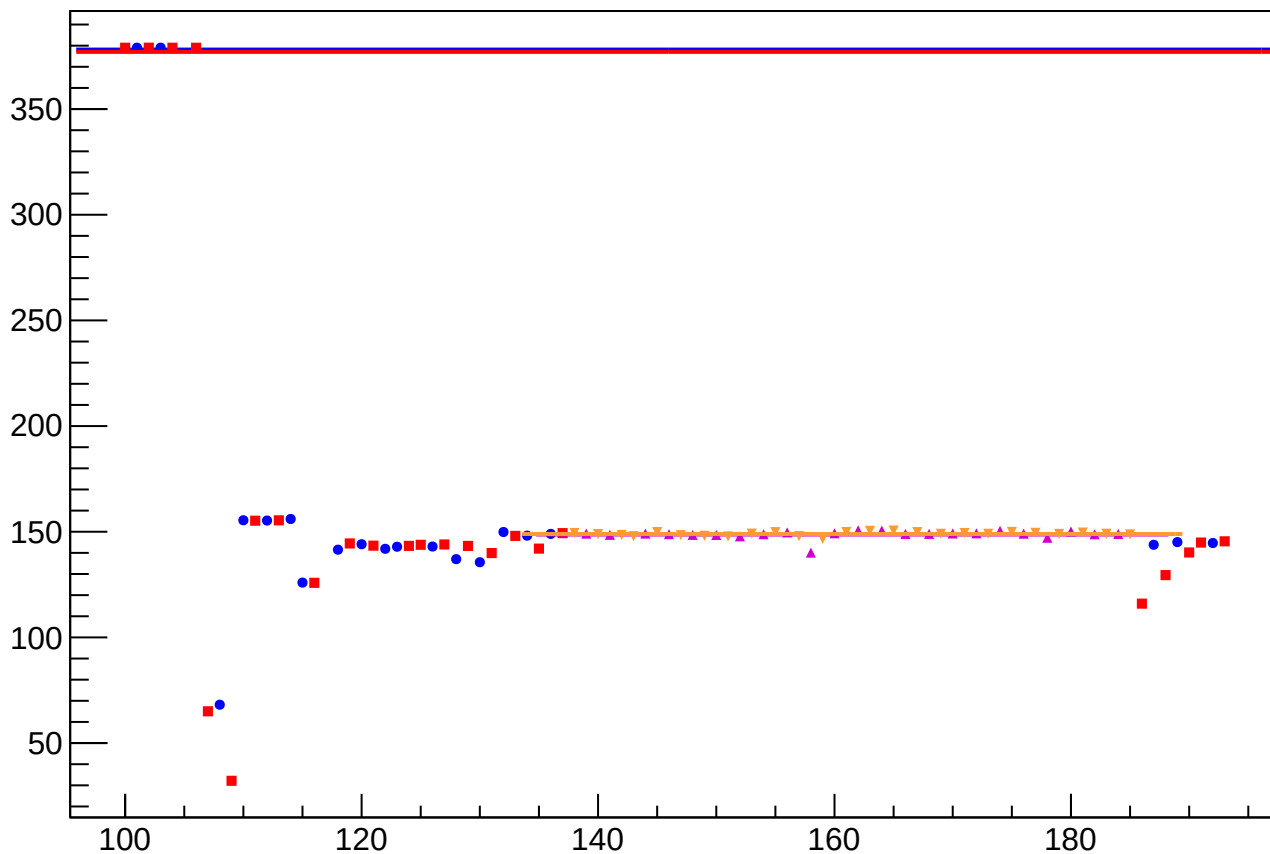
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5280059.6/44

All: 0.560 $\pm$ 0.000 χ^2 /NDF: 11397581.3/91

- sign 0.557 $\pm$ 0.000 χ^2 /NDF: 6115911.2/46

yield_cav4dQ_mean vs Slug



Right In: 378.154 ± 0.000 χ^2/NDF : 2907938884237.8/19

Left Out: 148.946 ± 0.000 χ^2/NDF : 63974844.7/24

Right Out: 377.069 ± 0.000 χ^2/NDF : 9091834637325.9/23

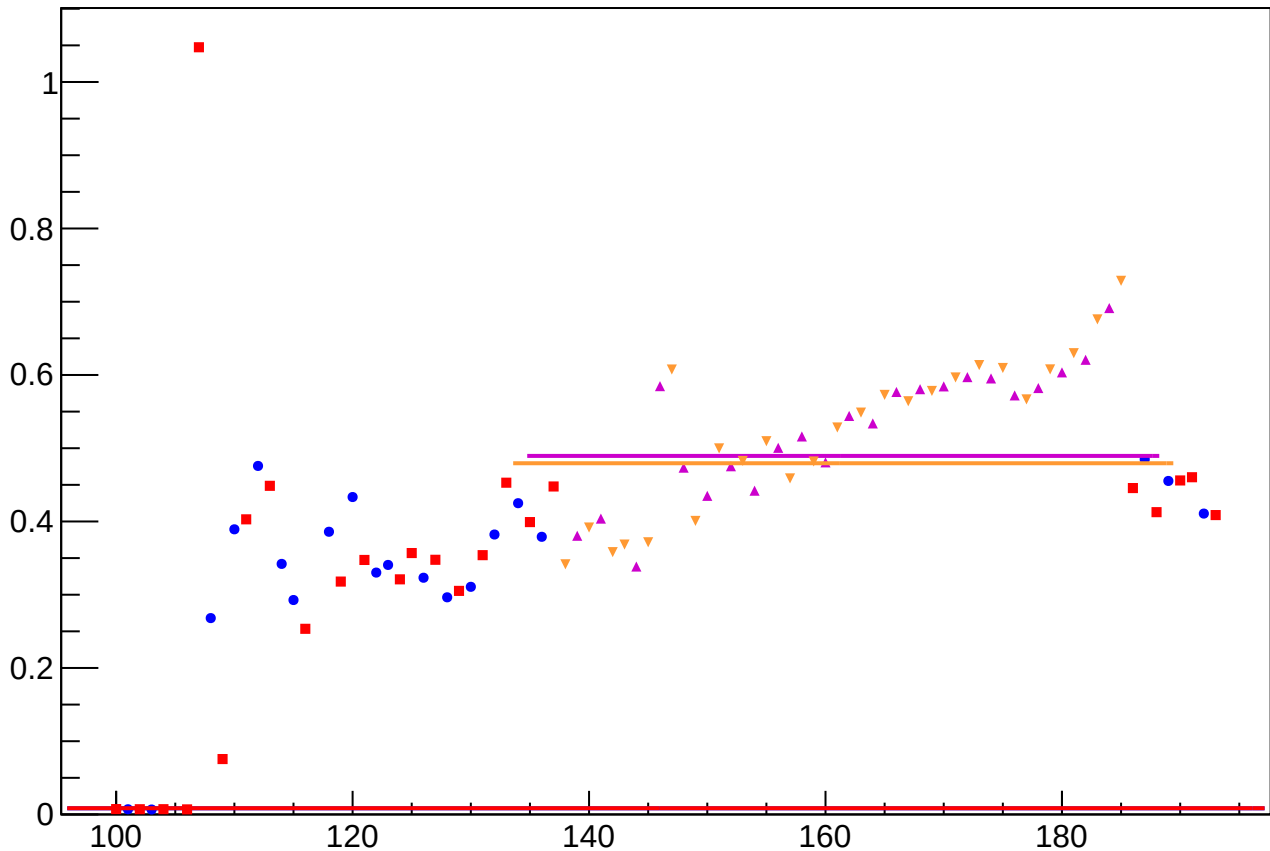
Left In: 148.683 ± 0.000 χ^2/NDF : 253848207.3/22

+ sign 376.873 ± 0.000 χ^2/NDF : 6818888312339.7

All: 376.428 ± 0.000 χ^2/NDF : 194940154777

- sign 376.038 ± 0.000 χ^2/NDF : 12670144473604.6

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 12494722.3/19

Left Out: 0.479+/-0.000 χ^2/NDF :1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 14267303.3/23

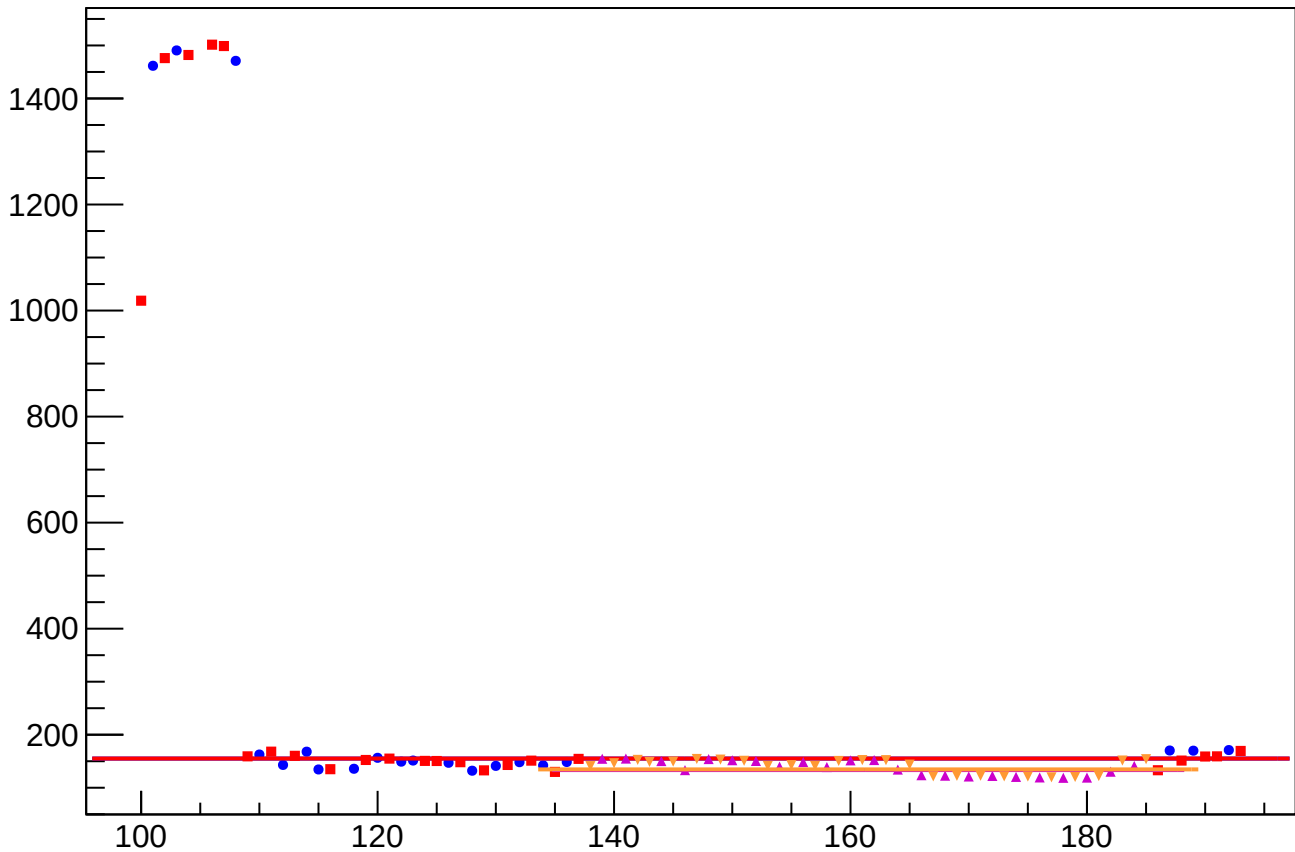
Left In: 0.490+/-0.000 χ^2/NDF :1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 47060619.4/44

All: 0.011+/-0.000 χ^2/NDF : 94160885.0/91

- sign 0.011+/-0.000 χ^2/NDF : 47098997.4/46

yield_bcm0l02_mean vs Slug



Right In: 154.994 $\pm$ 0.000 χ^2 /NDF: 25373877251.8/19

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 155.058 $\pm$ 0.000 χ^2 /NDF: 34348628365.4/23

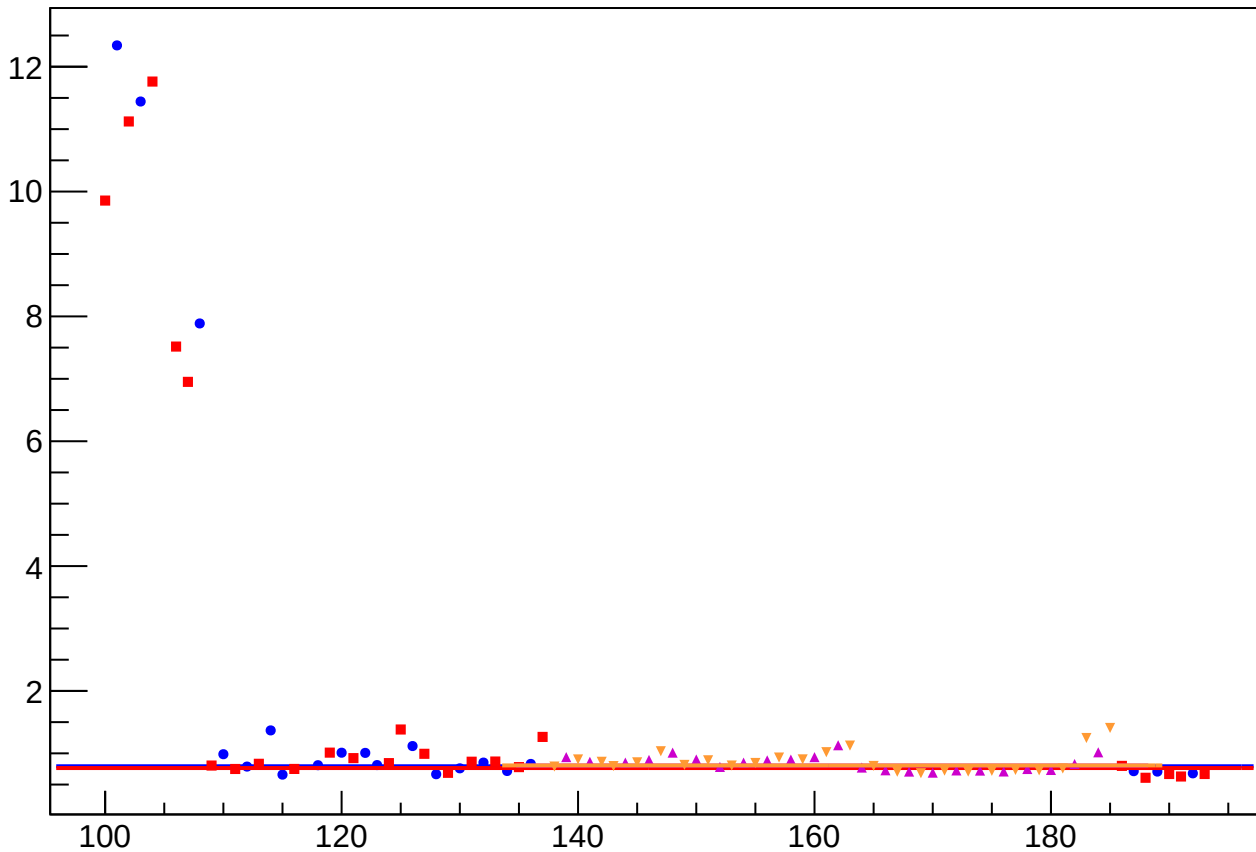
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 139.722 $\pm$ 0.000 χ^2 /NDF: 32250491045.8/44

All: 139.936 $\pm$ 0.000 χ^2 /NDF: 74363748720.0

- sign 140.139 $\pm$ 0.000 χ^2 /NDF: 42110423986.8/46

yield_bcm0l02_rms vs Slug



Right In: 0.793 ± 0.000 χ^2/NDF : 2756992.1/19

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.765 ± 0.000 χ^2/NDF : 3122989.6/23

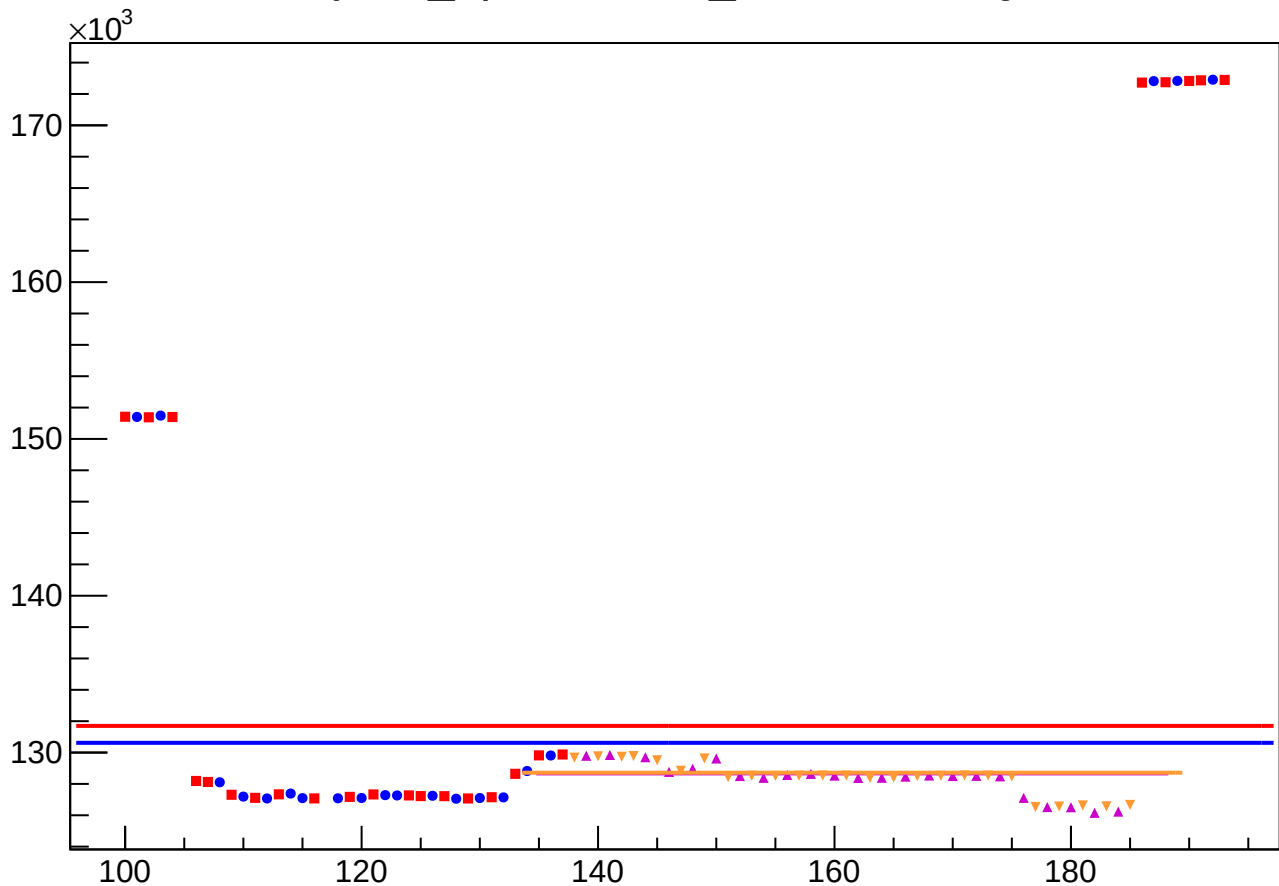
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.803 ± 0.000 χ^2/NDF : 3463428.3/44

All: 0.797 ± 0.000 χ^2/NDF : 7093219.1/91

- sign 0.792 ± 0.000 χ^2/NDF : 3625688.6/46

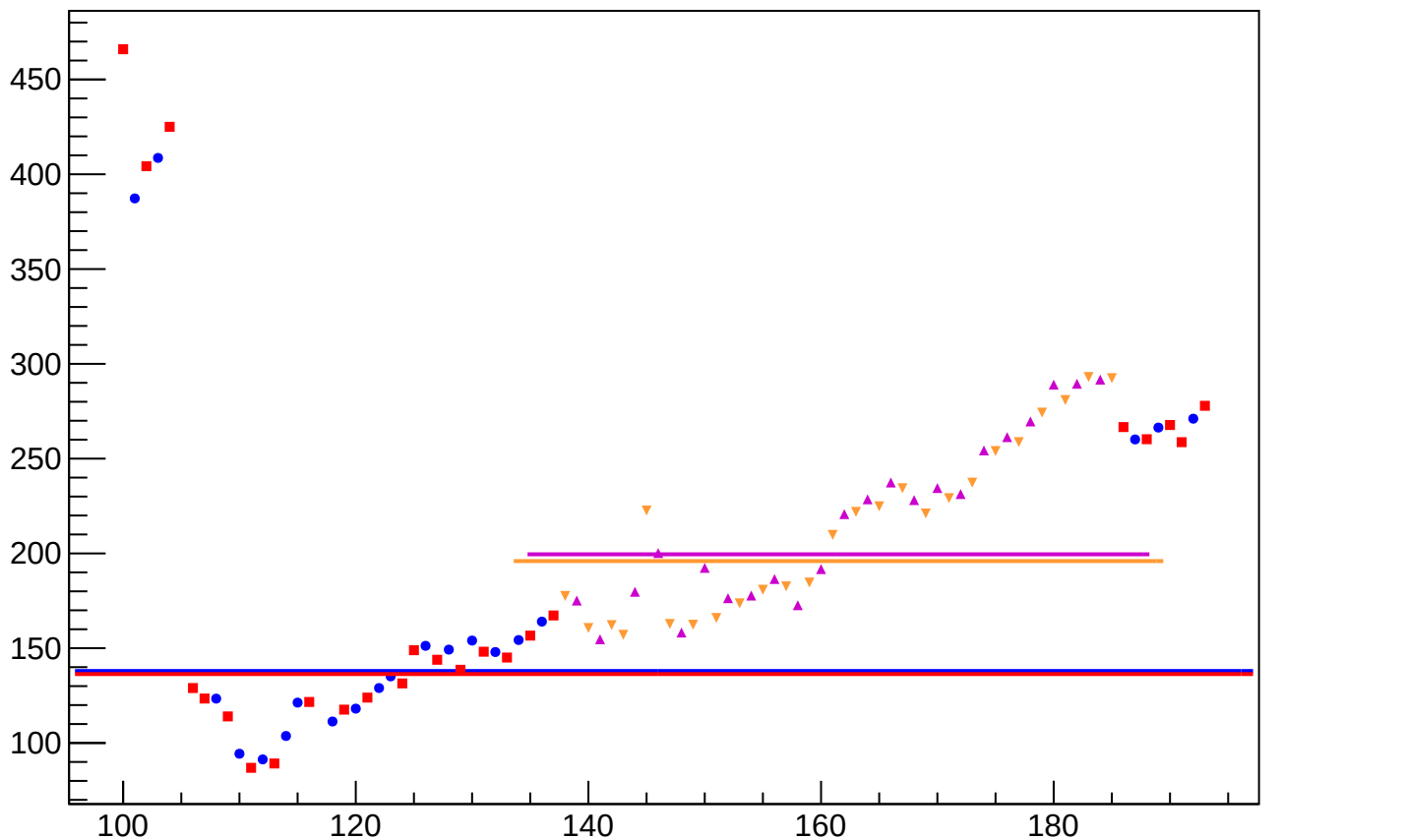
yield_bpm2i01WS_mean vs Slug



Right In: 130619.803 $\pm$ 0.053 χ^2 /NDF: 43291999994.8/19
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 131699.474 $\pm$ 0.048 χ^2 /NDF: 70447358822.7/23
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

+ sign 129545.342 $\pm$ 0.035 χ^2 /NDF: 44368543107.
 All: 129881.430 $\pm$ 0.025 χ^2 /NDF: 117279667.
 - sign 130203.935 $\pm$ 0.034 χ^2 /NDF: 72730710022.0

yield_bpm2i01WS_rms vs Slug



Right In: 137.968 $\pm$ 0.037 χ^2 /NDF: 2228460.7/19

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 136.360 $\pm$ 0.034 χ^2 /NDF: 2866338.1/23

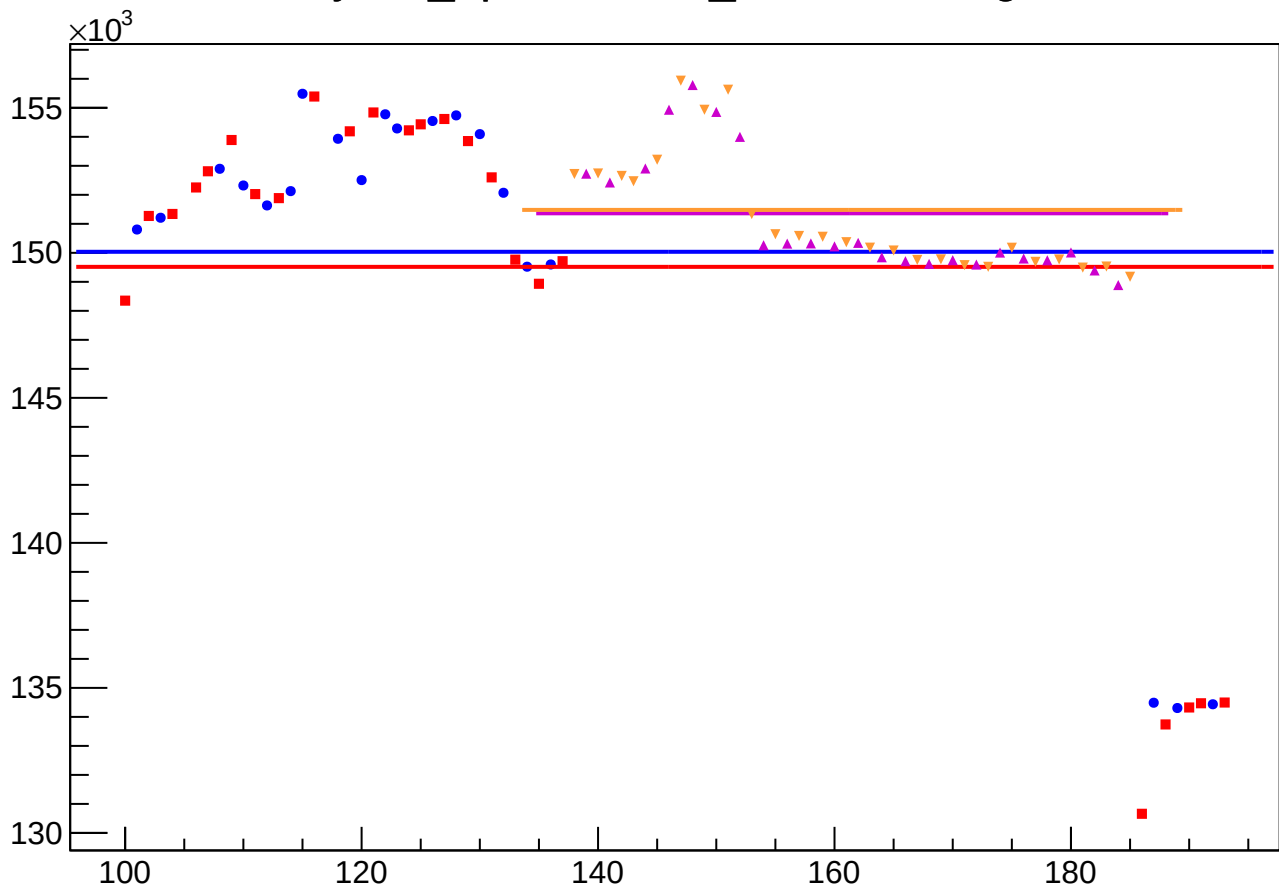
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 170.662 $\pm$ 0.025 χ^2 /NDF: 4893053.3/44

All: 169.072 $\pm$ 0.017 χ^2 /NDF: 10637350.2/91

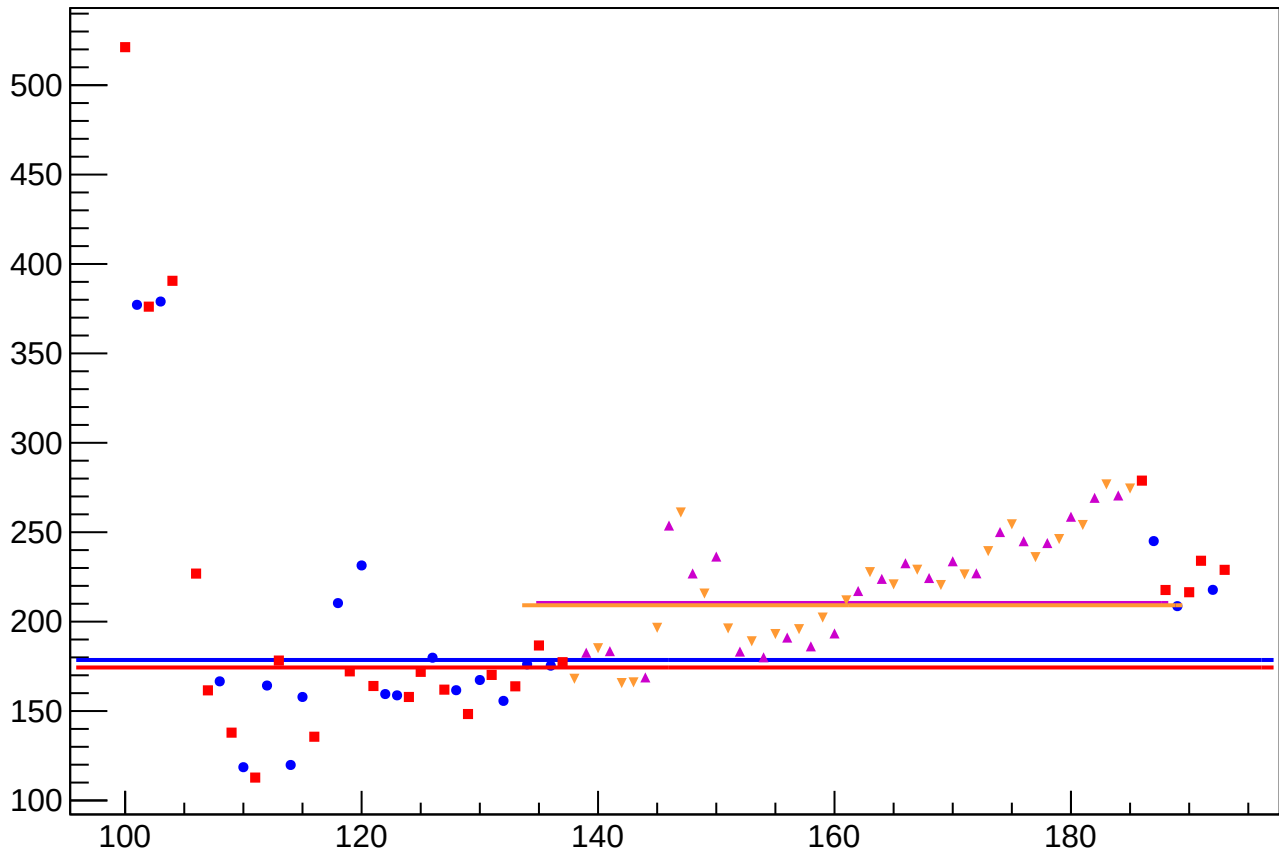
- sign 167.546 $\pm$ 0.024 χ^2 /NDF: 5736223.4/46

yield_bpm0i07WS_mean vs Slug



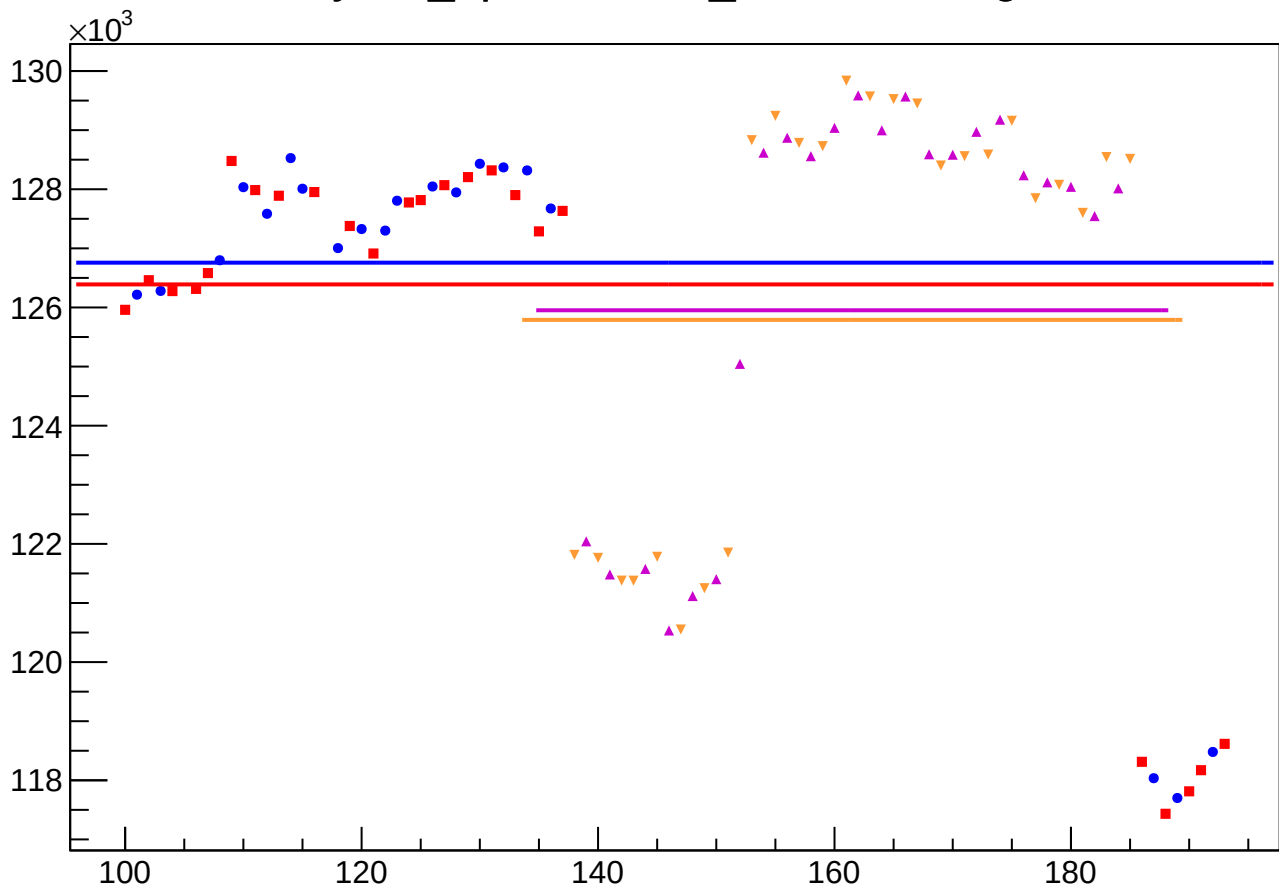
Right In: 150035.842 $\pm$ 0.067	χ^2 /NDF: 9546049292.6/19	+ sign 150971.426 $\pm$ 0.040	χ^2 /NDF: 11330103091.1
Left Out: 151480.339 $\pm$ 0.049	χ^2 /NDF: 1483692735.3/24	All: 150774.649 $\pm$ 0.028	χ^2 /NDF: 287249630.1
Right Out: 149516.527 $\pm$ 0.060	χ^2 /NDF: 15373954311.7/23	- sign 150585.953 $\pm$ 0.039	χ^2 /NDF: 17347010698.4
Left In: 151362.440 $\pm$ 0.051	χ^2 /NDF: 1426782789.9/22		

yield_bpm0i07WS_rms vs Slug



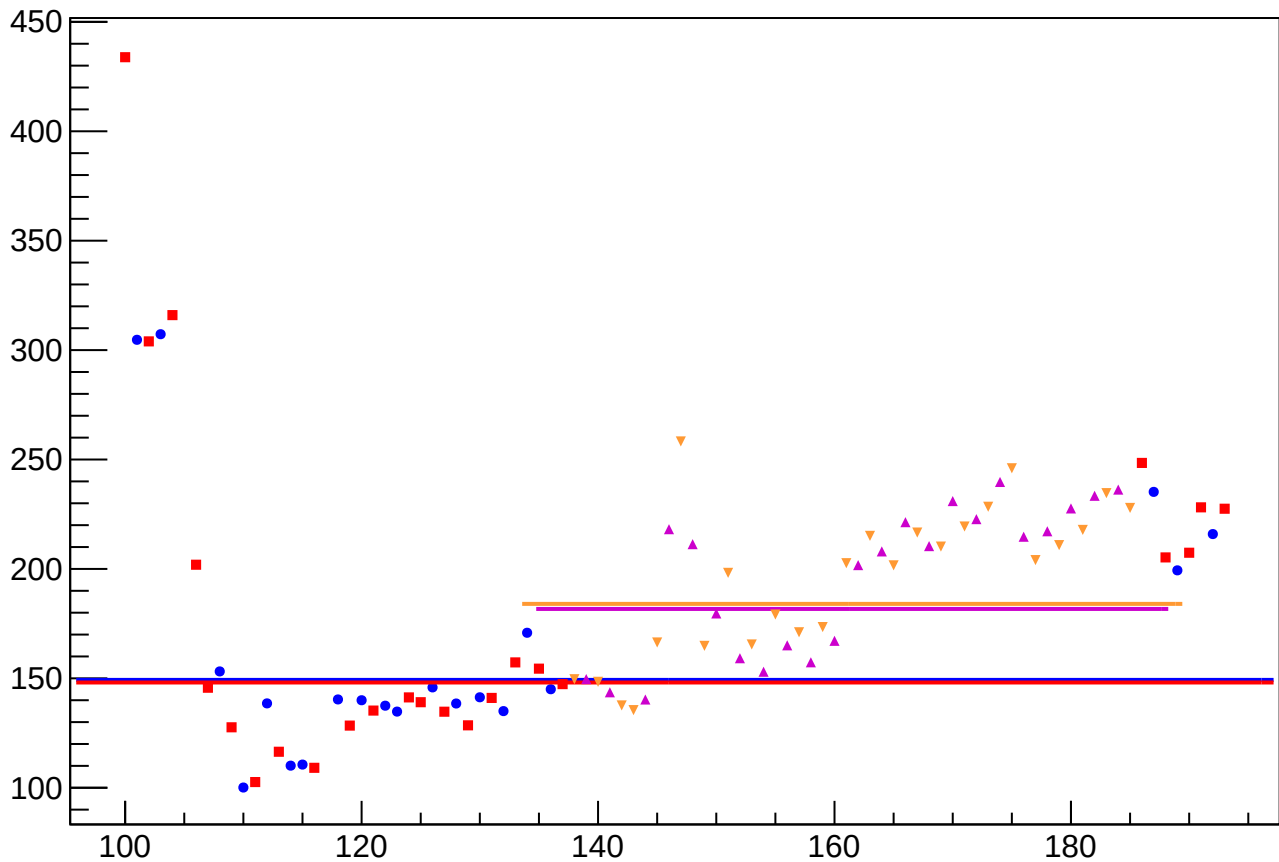
Right In: 178.558+/-0.047	χ^2/NDF : 1038624.5/19	+ sign 198.376+/-0.028	χ^2/NDF : 2018255.9/44
Left Out: 209.156+/-0.035	χ^2/NDF : 710094.9/24	All: 196.784+/-0.020	χ^2/NDF : 4532210.6/91
Right Out: 174.360+/-0.043	χ^2/NDF : 1406500.8/23	- sign 195.258+/-0.028	χ^2/NDF : 2507692.4/46
Left In: 210.431+/-0.036	χ^2/NDF : 684015.0/22		

yield_bpm0l01WS_mean vs Slug



Right In: 126757.877 $\pm$ 0.055	χ^2 /NDF: 2775715937.9/19	+ sign 126164.087 $\pm$ 0.034	χ^2 /NDF: 9707289499.7
Left Out: 125790.126 $\pm$ 0.044	χ^2 /NDF: 6744310079.8/24	All: 126153.614 $\pm$ 0.024	χ^2 /NDF: 200965450
Right Out: 126389.959 $\pm$ 0.051	χ^2 /NDF: 4505328242.4/23	- sign 126143.698 $\pm$ 0.034	χ^2 /NDF: 10389076030.3
Left In: 125952.447 $\pm$ 0.045	χ^2 /NDF: 5841800367.5/22		

yield_bpm0l01WS_rms vs Slug



Right In: 149.290+/-0.039 χ^2/NDF : 1129642.9/19

Left Out: 184.029+/-0.031 χ^2/NDF : 1126592.5/24

Right Out: 148.105+/-0.036 χ^2/NDF : 1587863.8/23

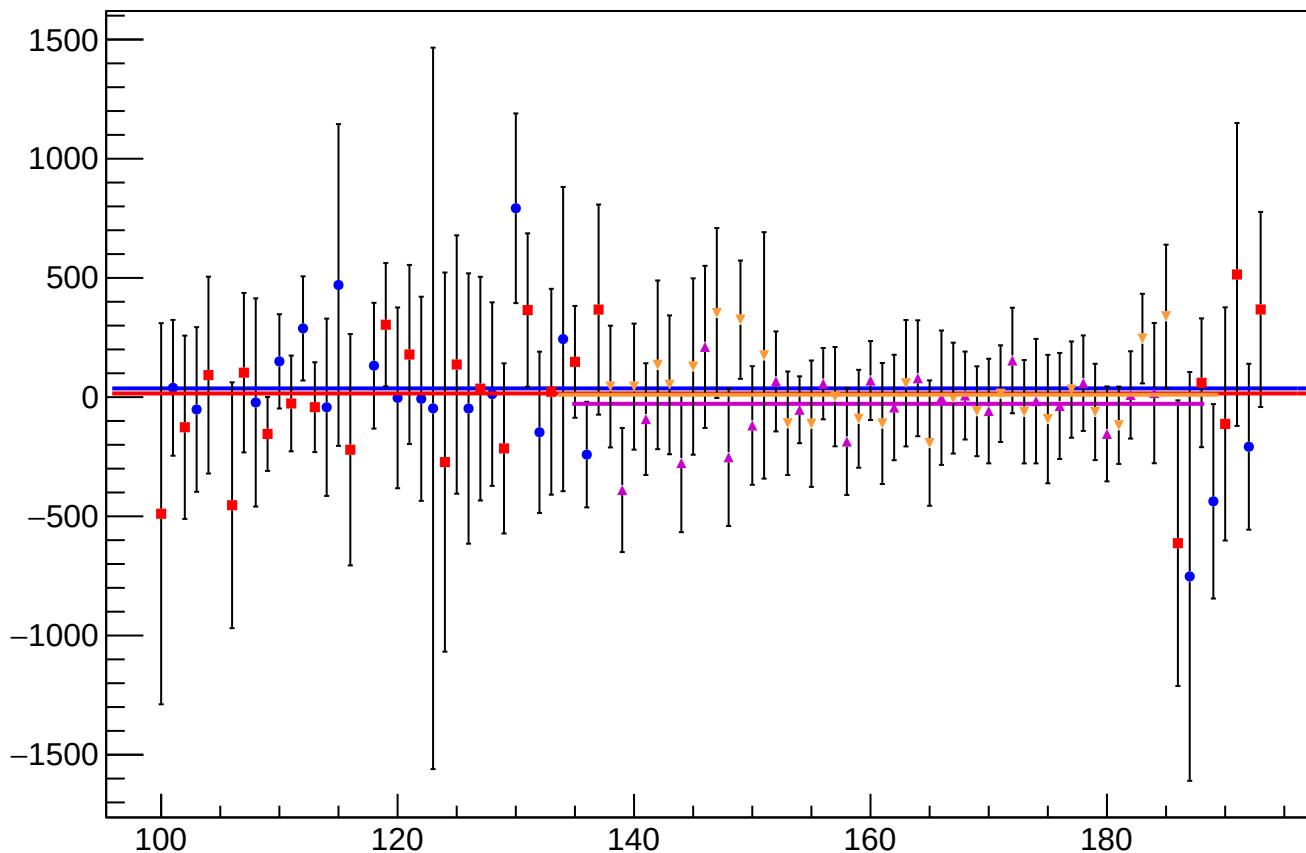
Left In: 181.714+/-0.032 χ^2/NDF : 1116142.0/22

+ sign 170.605+/-0.024 χ^2/NDF : 2738836.0/44

All: 168.765+/-0.017 χ^2/NDF : 5949032.3/91

- sign 167.022+/-0.024 χ^2/NDF : 3199074.2/46

asym_bcm_an_ds_mean vs Slug



Right In: 36.546 ± 76.128 χ^2/NDF : 10.7/19

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 15.517 ± 65.574 χ^2/NDF : 9.8/23

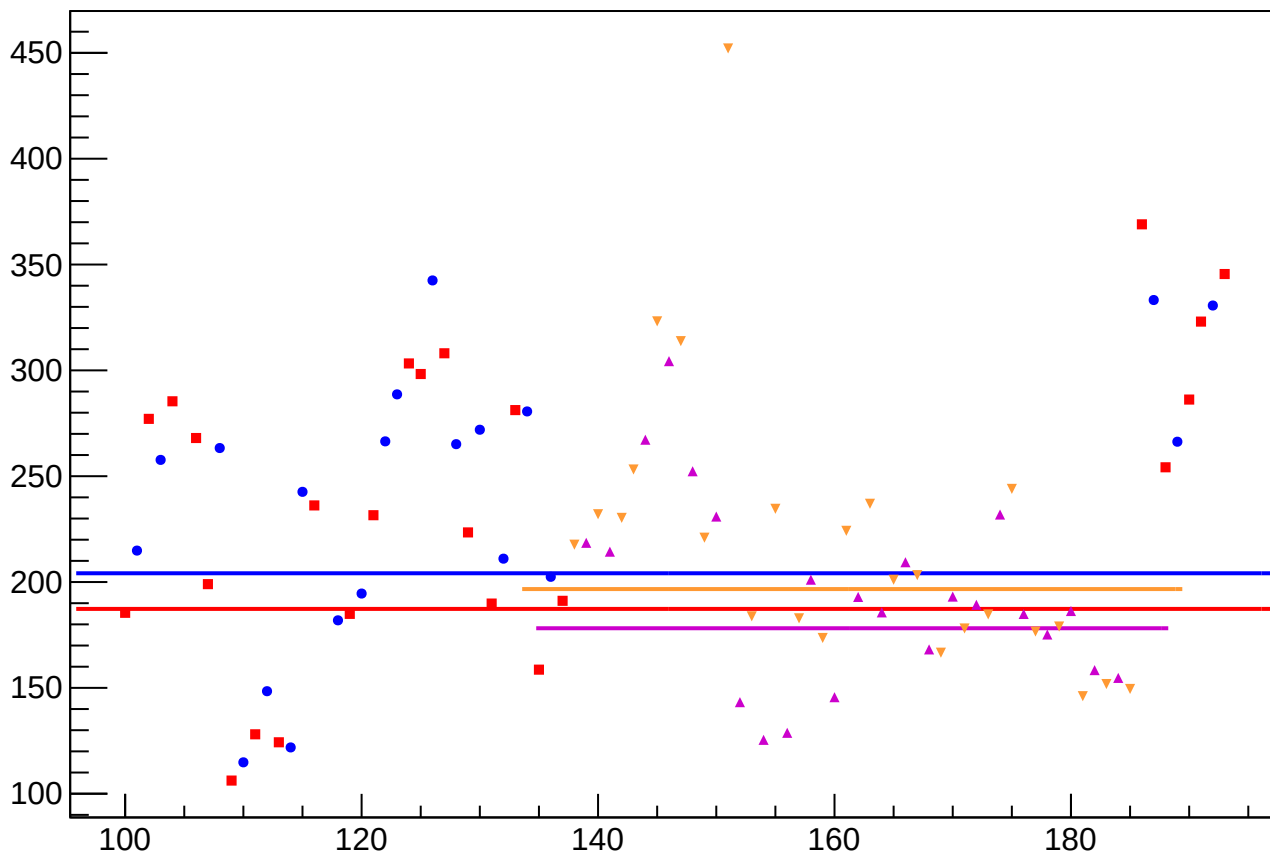
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign 17.492 ± 40.292 χ^2/NDF : 19.2/44

All: 0.196 ± 27.198 χ^2/NDF : 36.6/91

- sign -14.282 ± 36.863 χ^2/NDF : 17.0/46

asym_bcm_an_ds_rms vs Slug



Right In: 204.142 $\pm$ 0.054 χ^2 /NDF: 1407458.4/19

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 187.306 $\pm$ 0.046 χ^2 /NDF: 2448818.8/23

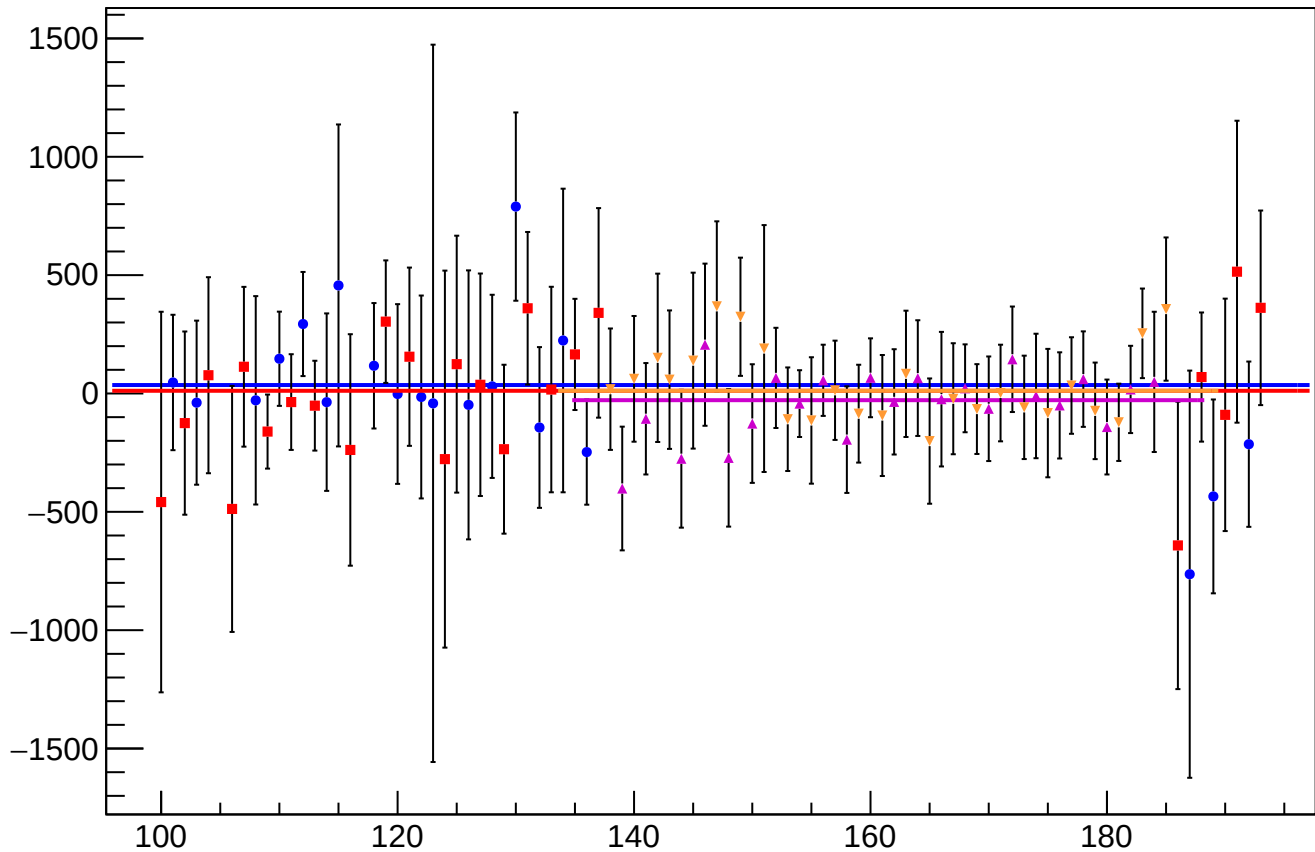
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 198.771 $\pm$ 0.028 χ^2 /NDF: 3203999.9/44

All: 189.127 $\pm$ 0.019 χ^2 /NDF: 7508872.1/91

- sign 181.054 $\pm$ 0.026 χ^2 /NDF: 4094368.2/46

asym_bcm_an_ds3_mean vs Slug



Right In: 35.674 ± 76.492 χ^2/NDF : 10.6/19

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 11.453 ± 65.940 χ^2/NDF : 10.0/23

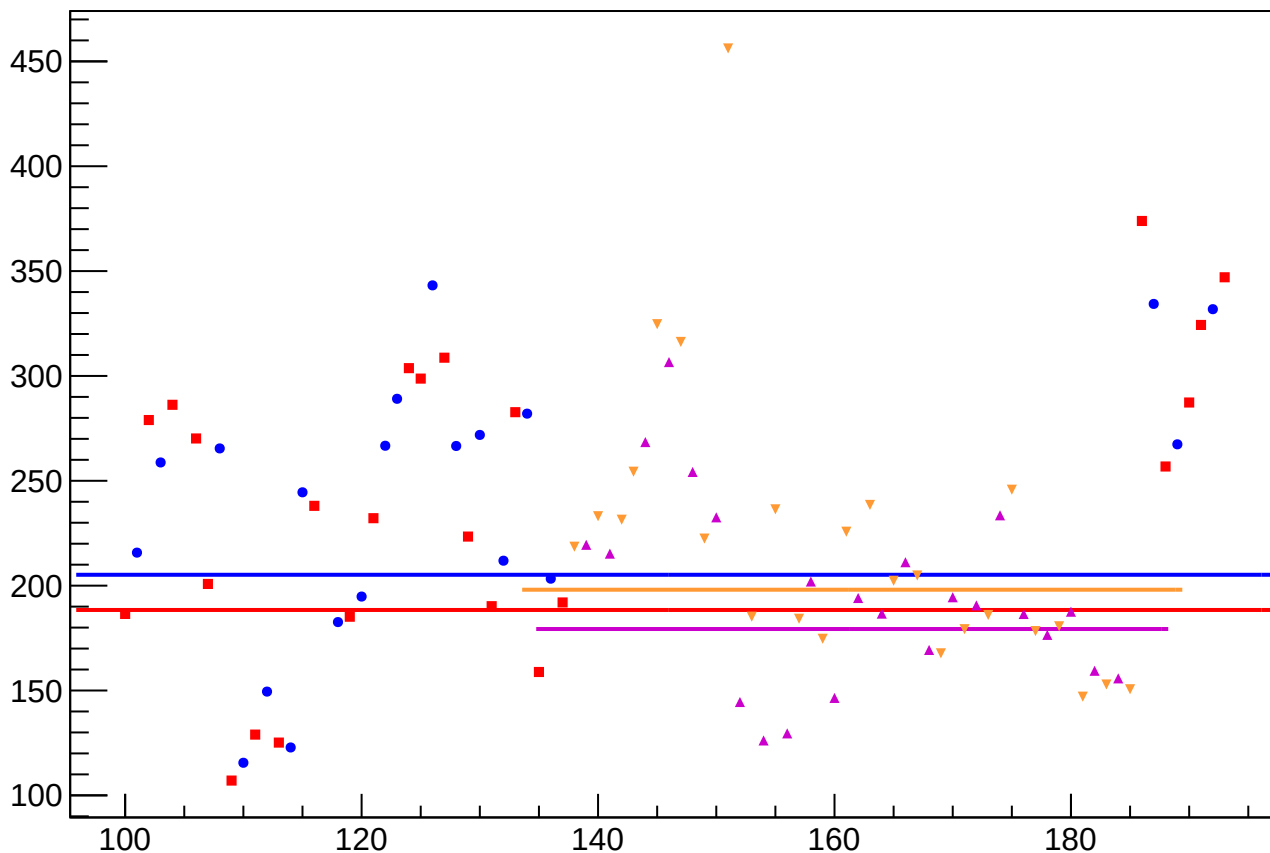
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 18.278 ± 40.548 χ^2/NDF : 19.5/44

All: -0.224 ± 27.369 χ^2/NDF : 37.2/91

- sign -15.707 ± 37.092 χ^2/NDF : 17.3/46

asym_bcm_an_ds3_rms vs Slug



Right In: 205.187 $\pm$ 0.054 χ^2 /NDF: 1396988.4/19

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF: 1778526.5/24

Right Out: 188.402 $\pm$ 0.047 χ^2 /NDF: 2440684.1/23

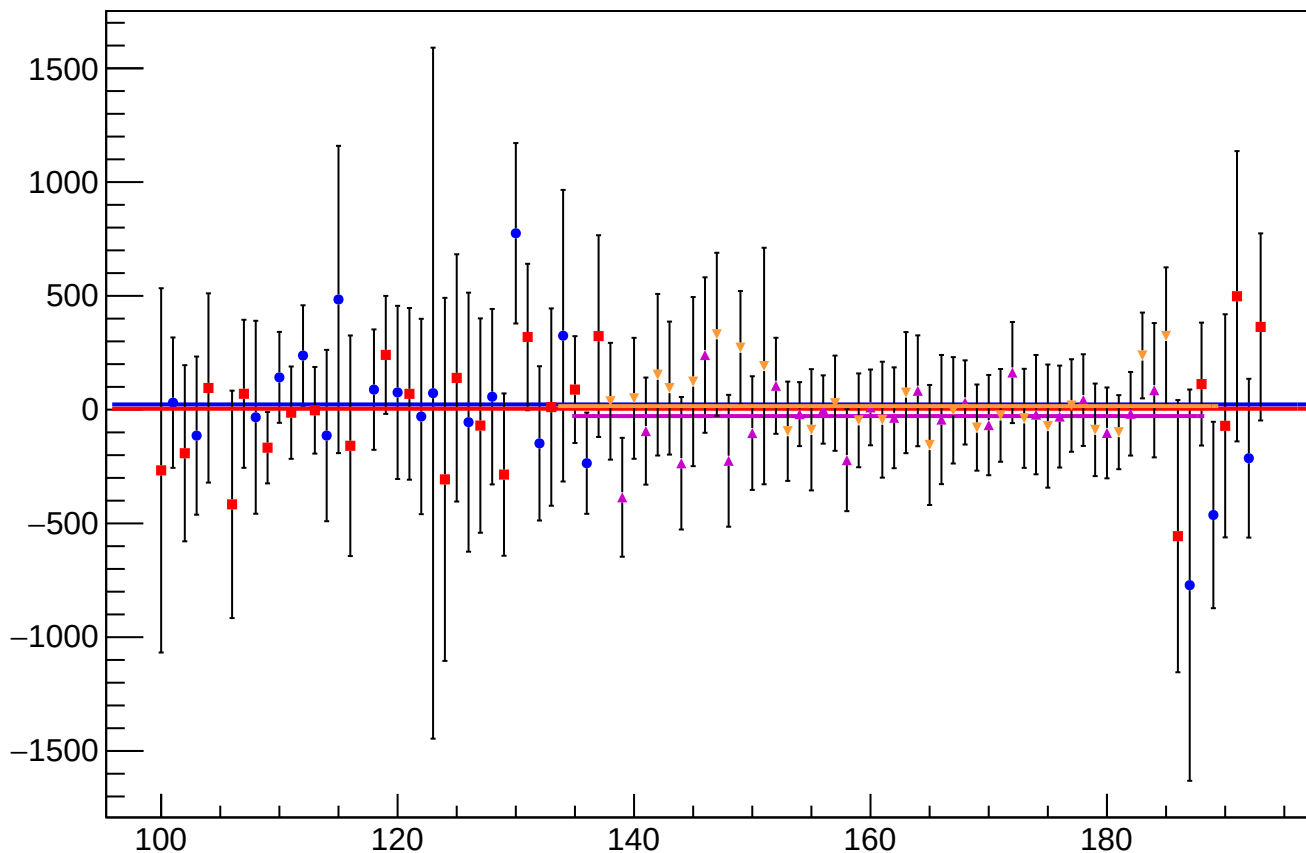
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF: 1618266.2/22

+ sign 200.062 $\pm$ 0.029 χ^2 /NDF: 3188000.7/44

All: 190.336 $\pm$ 0.019 χ^2 /NDF: 7484237.0/91

- sign 182.197 $\pm$ 0.026 χ^2 /NDF: 4084865.6/46

asym_bcm_an_us_mean vs Slug



Right In: 22.894 $\pm$ 76.487 χ^2 /NDF: 10.3/19

Left Out: 15.437 $\pm$ 47.695 χ^2 /NDF: 7.0/24

Right Out: 3.962 $\pm$ 65.823 χ^2 /NDF: 8.3/23

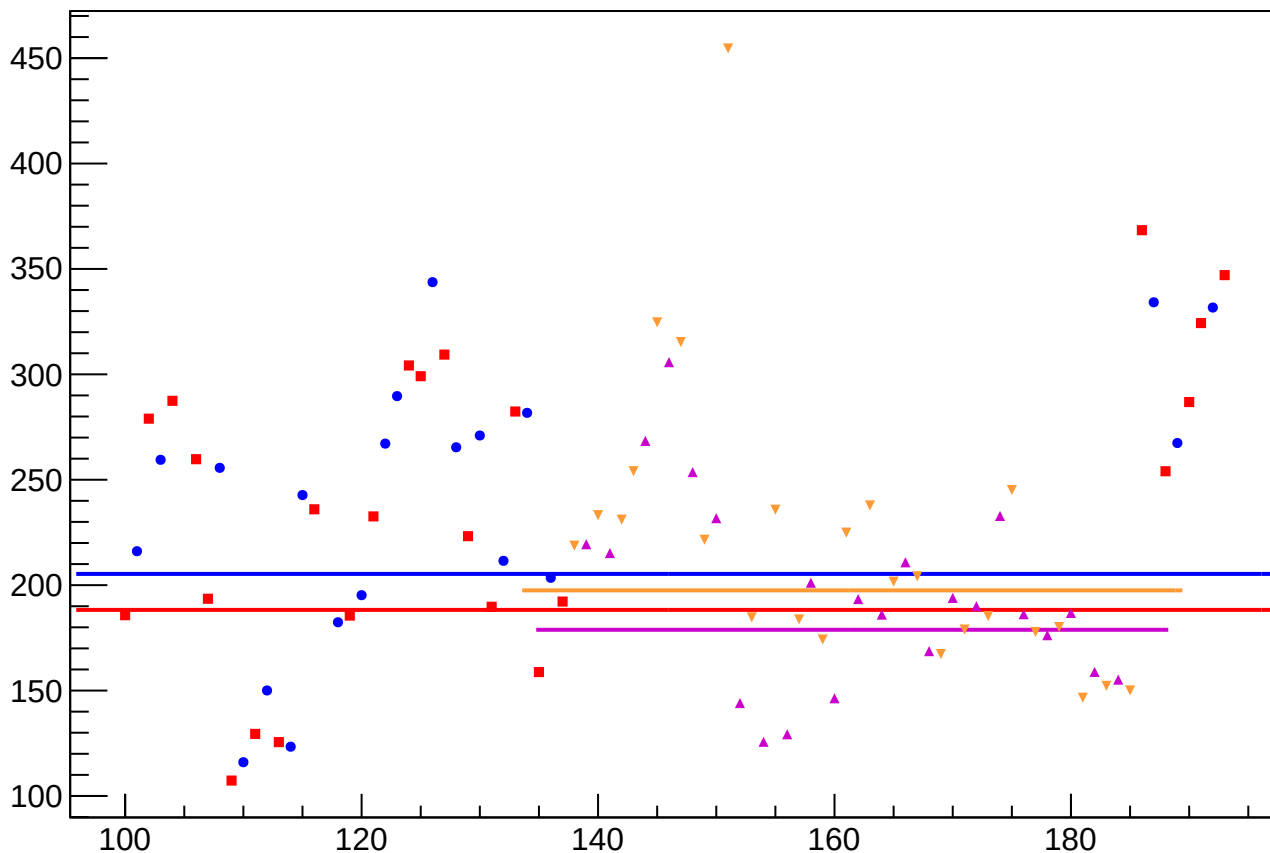
Left In: -28.277 $\pm$ 44.743 χ^2 /NDF: 6.4/22

+ sign 17.525 $\pm$ 40.471 χ^2 /NDF: 17.3/44

All: -1.872 $\pm$ 27.309 χ^2 /NDF: 32.5/91

- sign -18.088 $\pm$ 37.004 χ^2 /NDF: 14.8/46

asym_bcm_an_us_rms vs Slug



Right In: 205.335 $\pm$ 0.054 χ^2 /NDF: 1373516.5/19

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 188.263 $\pm$ 0.047 χ^2 /NDF: 2404404.2/23

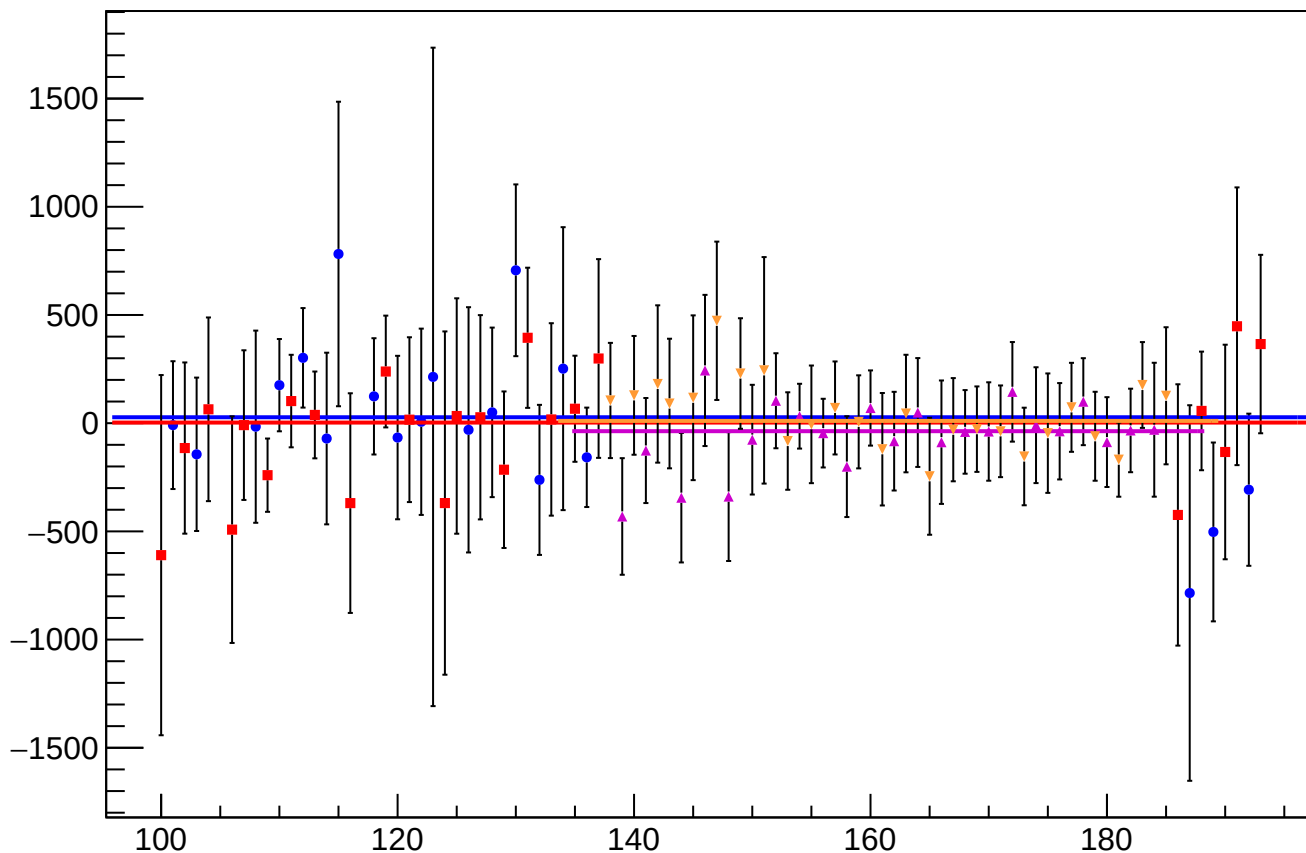
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 199.713 $\pm$ 0.029 χ^2 /NDF: 3172745.8/44

All: 189.965 $\pm$ 0.019 χ^2 /NDF: 7440527.5/91

- sign 181.815 $\pm$ 0.026 χ^2 /NDF: 4054731.7/46

asym_bcm_dg_us_mean vs Slug



Right In: 27.356 $\pm$ 78.727 χ^2 /NDF: 11.4/19

Left Out: 10.534 $\pm$ 49.197 χ^2 /NDF: 7.5/24

Right Out: 2.824 $\pm$ 68.313 χ^2 /NDF: 9.6/23

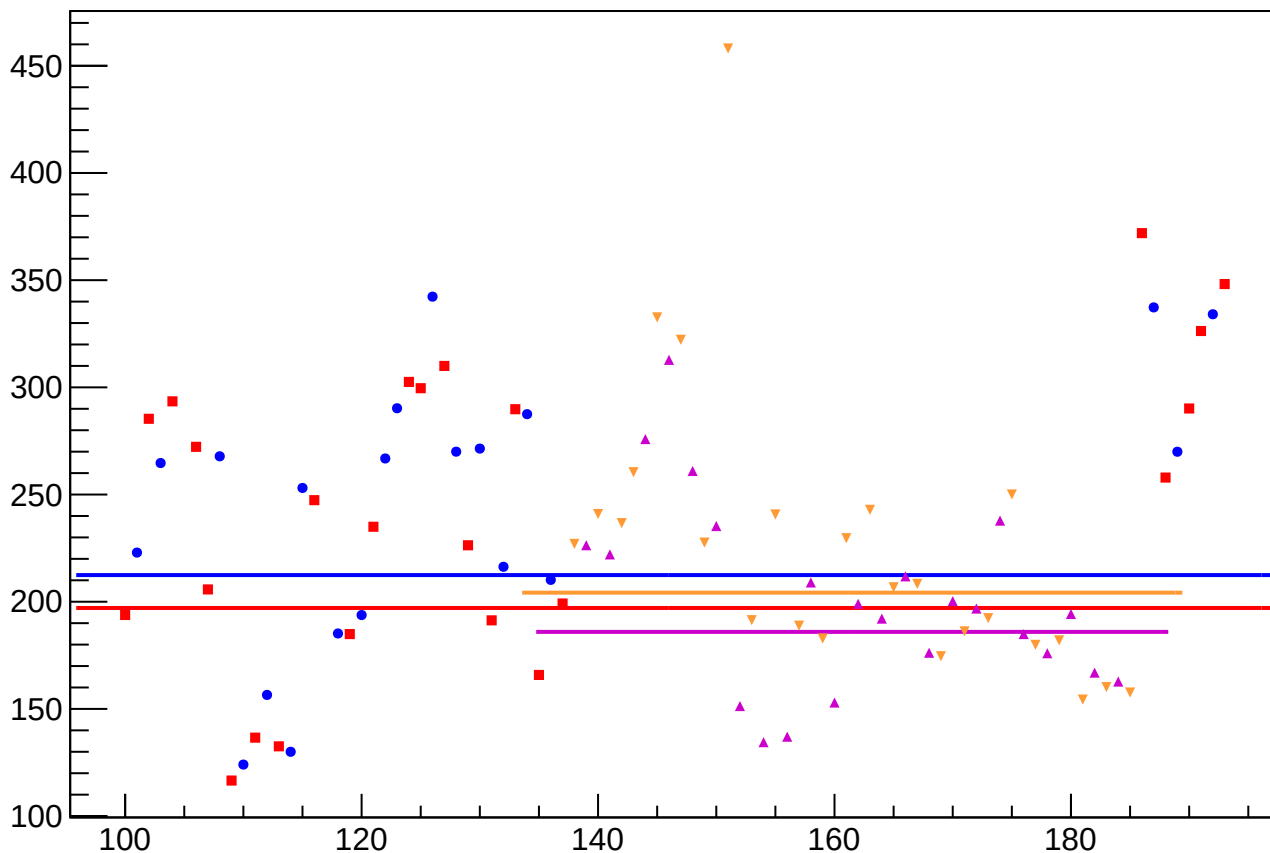
Left In: -37.000 $\pm$ 46.358 χ^2 /NDF: 7.9/22

+ sign 15.258 $\pm$ 41.720 χ^2 /NDF: 18.9/44

All: -6.256 $\pm$ 28.238 χ^2 /NDF: 37.2/91

- sign -24.443 $\pm$ 38.359 χ^2 /NDF: 17.7/46

asym_bcm_dg_us_rms vs Slug



Right In: 212.433 $\pm$ 0.056 χ^2 /NDF: 1233743.9/19

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF: 1675666.0/24

Right Out: 197.086 $\pm$ 0.048 χ^2 /NDF: 2148582.0/23

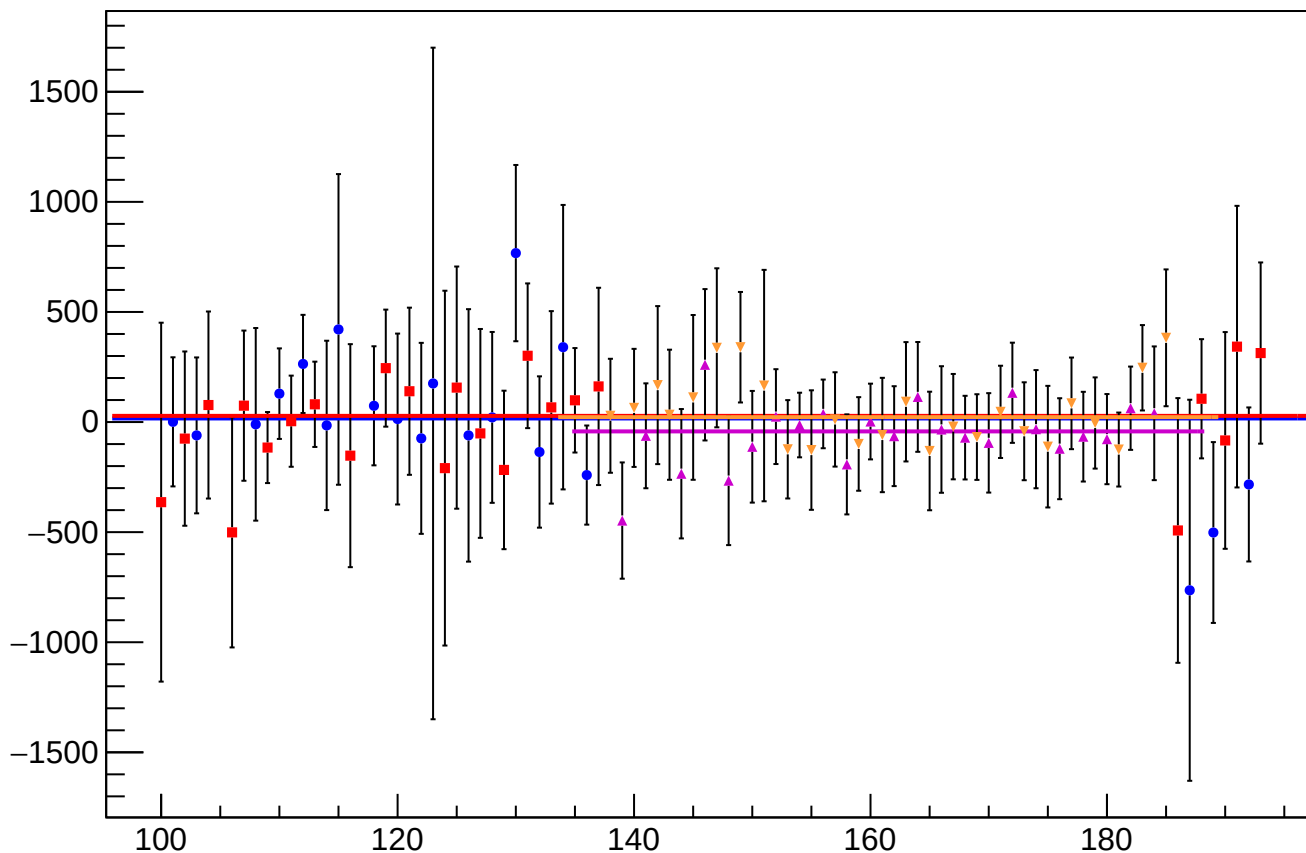
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF: 1460065.0/22

+ sign 206.538 $\pm$ 0.030 χ^2 /NDF: 2925003.3/44

All: 197.277 $\pm$ 0.020 χ^2 /NDF: 6752007.4/91

- sign 189.449 $\pm$ 0.027 χ^2 /NDF: 3645159.8/46

asym_bcm_dg_ds_mean vs Slug



Right In: 16.345 $\pm$ 77.754 χ^2 /NDF: 10.5/19

Left Out: 22.189 $\pm$ 48.738 χ^2 /NDF: 8.4/24

Right Out: 28.084 $\pm$ 67.077 χ^2 /NDF: 6.2/23

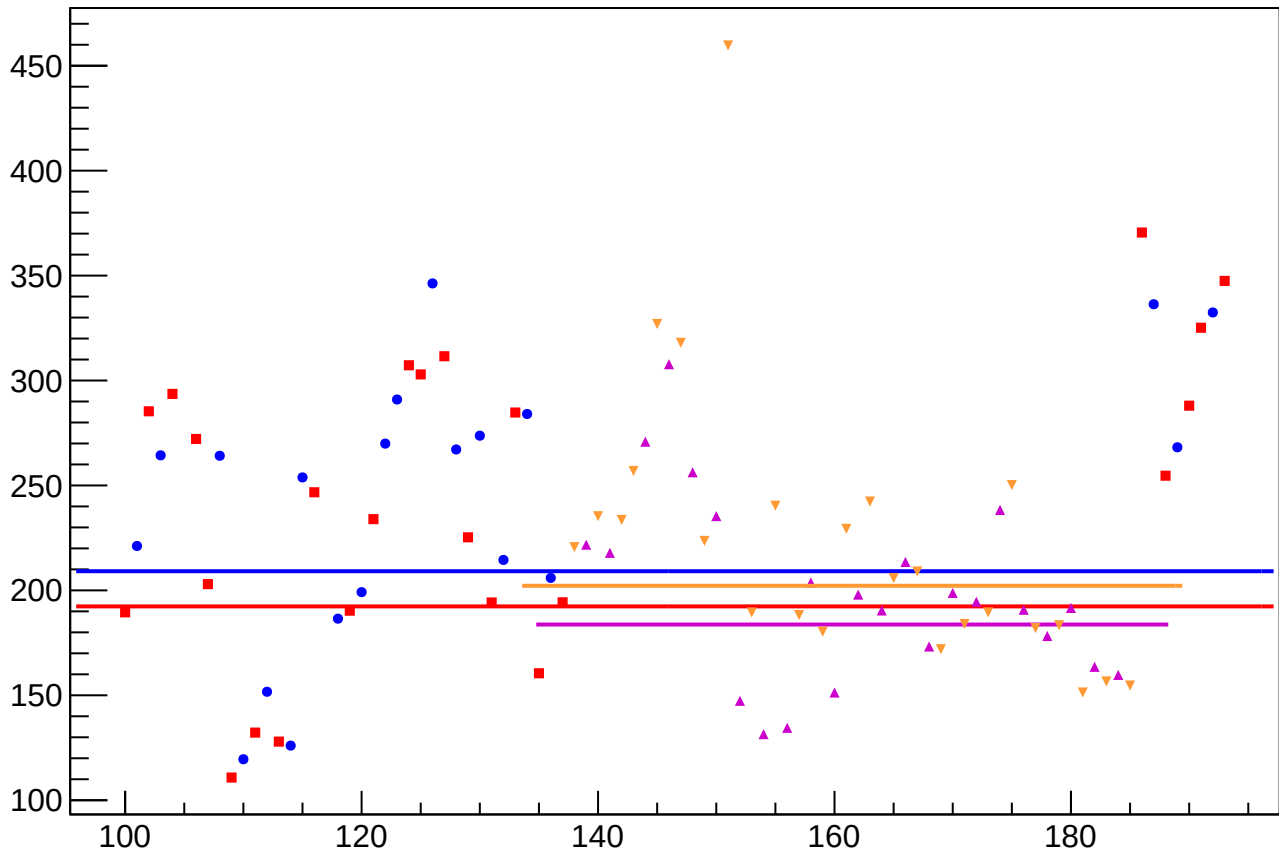
Left In: -42.446 $\pm$ 45.861 χ^2 /NDF: 6.7/22

+ sign 20.540 $\pm$ 41.296 χ^2 /NDF: 18.8/44

All: -1.476 $\pm$ 27.906 χ^2 /NDF: 33.1/91

- sign -19.979 $\pm$ 37.858 χ^2 /NDF: 13.7/46

asym_bcm_dg_ds_rms vs Slug



Right In: 209.130 $\pm$ 0.055 χ^2 /NDF: 1329976.1/19

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF:1696571.9/24

Right Out: 192.365 $\pm$ 0.047 χ^2 /NDF: 2338742.5/23

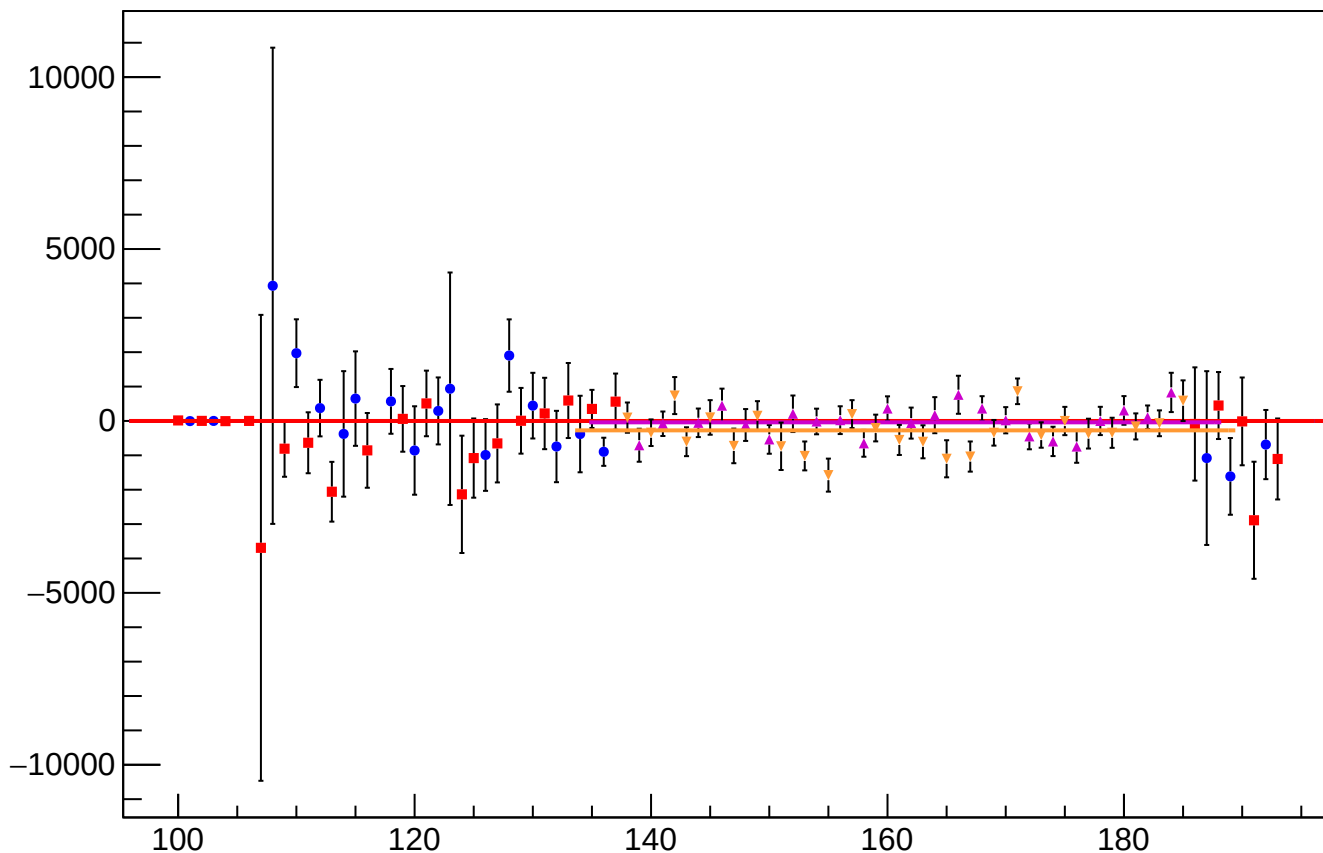
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 204.145 $\pm$ 0.029 χ^2 /NDF: 3037999.1/44

All: 194.548 $\pm$ 0.020 χ^2 /NDF: 7094043.6/91

- sign 186.482 $\pm$ 0.027 χ^2 /NDF: 3857247.8/46

asym_cav4bQ_mean vs Slug



Right In: -1.539 ± 2.251 χ^2/NDF : 19.6/19

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.737 ± 2.111 χ^2/NDF : 22.2/23

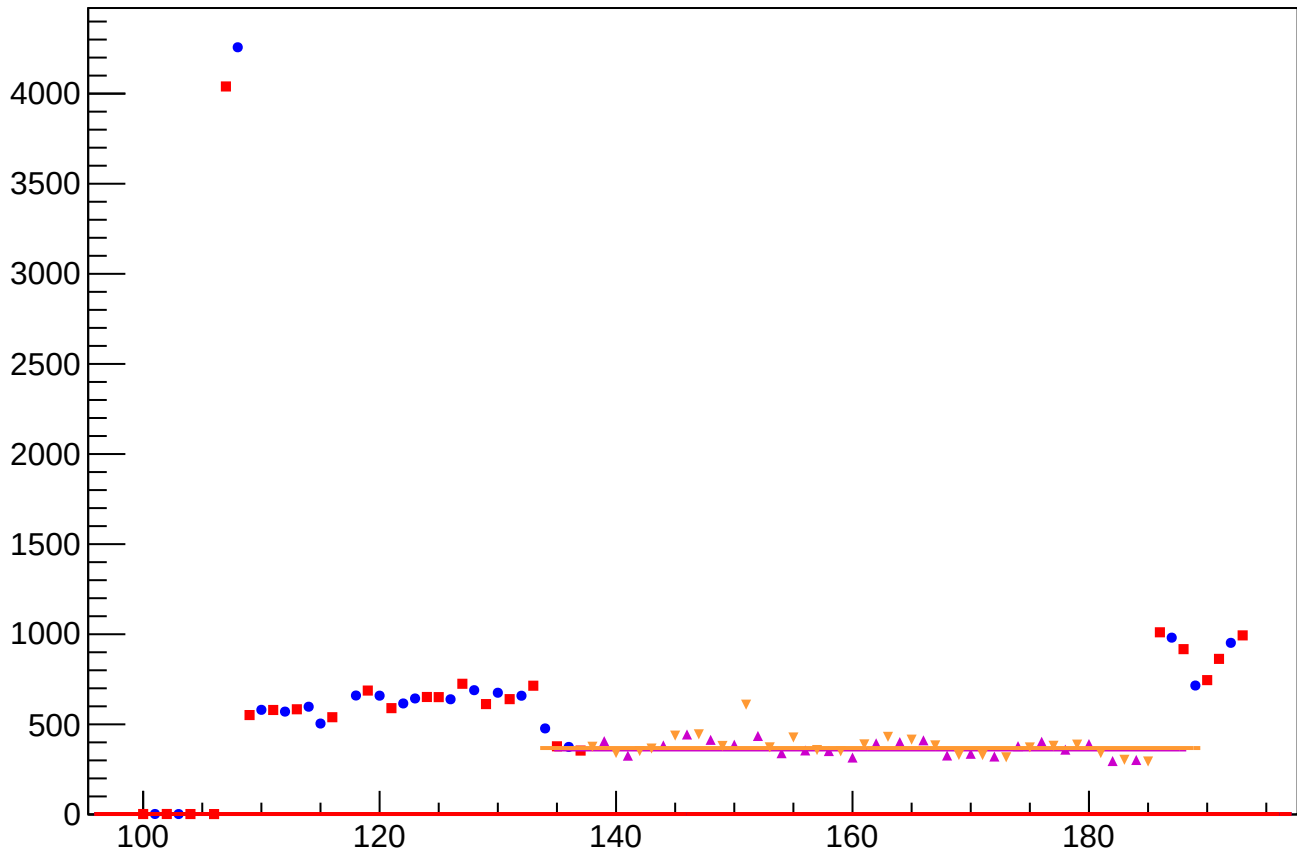
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.722 ± 2.251 χ^2/NDF : 67.8/44

All: -1.210 ± 1.540 χ^2/NDF : 110.4/91

- sign -0.760 ± 2.110 χ^2/NDF : 42.6/46

asym_cav4bQ_rms vs Slug



Right In: 2.464 $\pm$ 0.002 χ^2 /NDF: 13565549.8/19

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.449 $\pm$ 0.001 χ^2 /NDF: 16213578.6/23

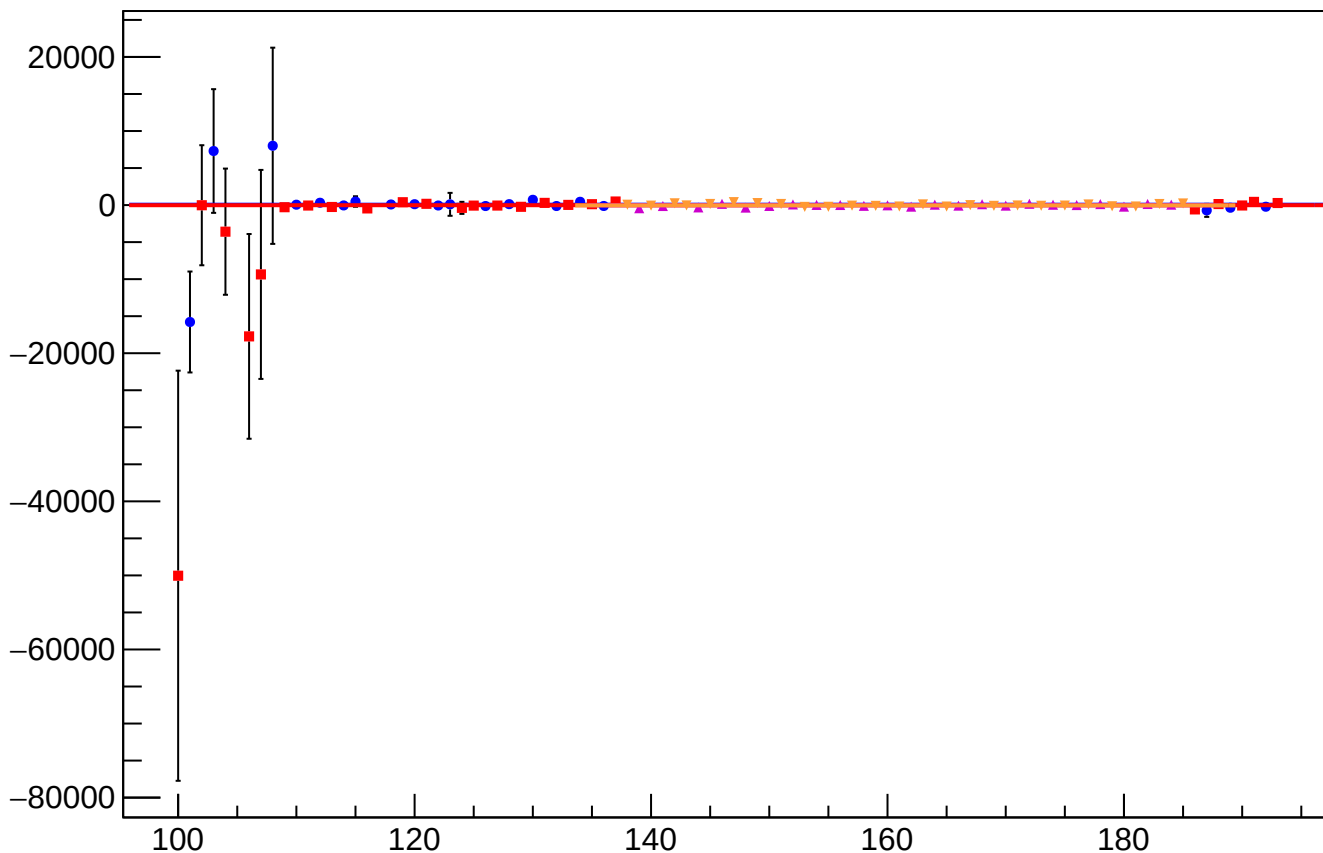
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.710 $\pm$ 0.002 χ^2 /NDF: 49674218.6/44

All: 2.682 $\pm$ 0.001 χ^2 /NDF: 99816344.7/91

- sign 2.657 $\pm$ 0.001 χ^2 /NDF: 50141546.2/46

asym_cav4cQ_mean vs Slug



Right In: 53.141 $\pm$ 86.788 χ^2 /NDF: 14.6/19

Left Out: -39.036 $\pm$ 49.576 χ^2 /NDF: 9.1/24

Right Out: -16.751 $\pm$ 77.296 χ^2 /NDF: 16.3/23

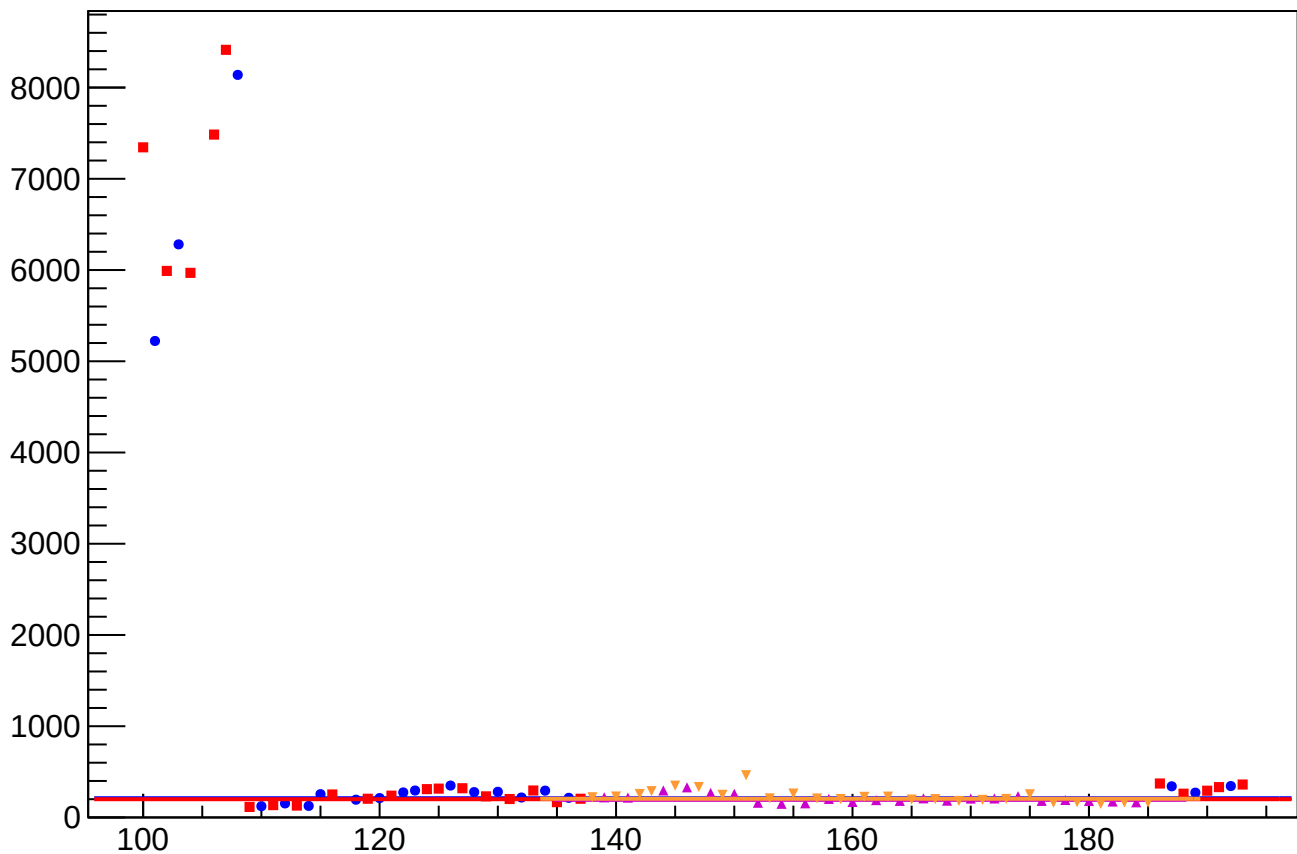
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -16.358 $\pm$ 43.048 χ^2 /NDF: 24.6/44

All: -20.864 $\pm$ 29.611 χ^2 /NDF: 50.5/91

- sign -24.911 $\pm$ 40.797 χ^2 /NDF: 26.0/46

asym_cav4cQ_rms vs Slug



Right In: 210.703 $\pm$ 0.061 χ^2 /NDF: 4099506.8/19

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF: 1957484.4/24

Right Out: 199.982 $\pm$ 0.055 χ^2 /NDF: 5123241.8/23

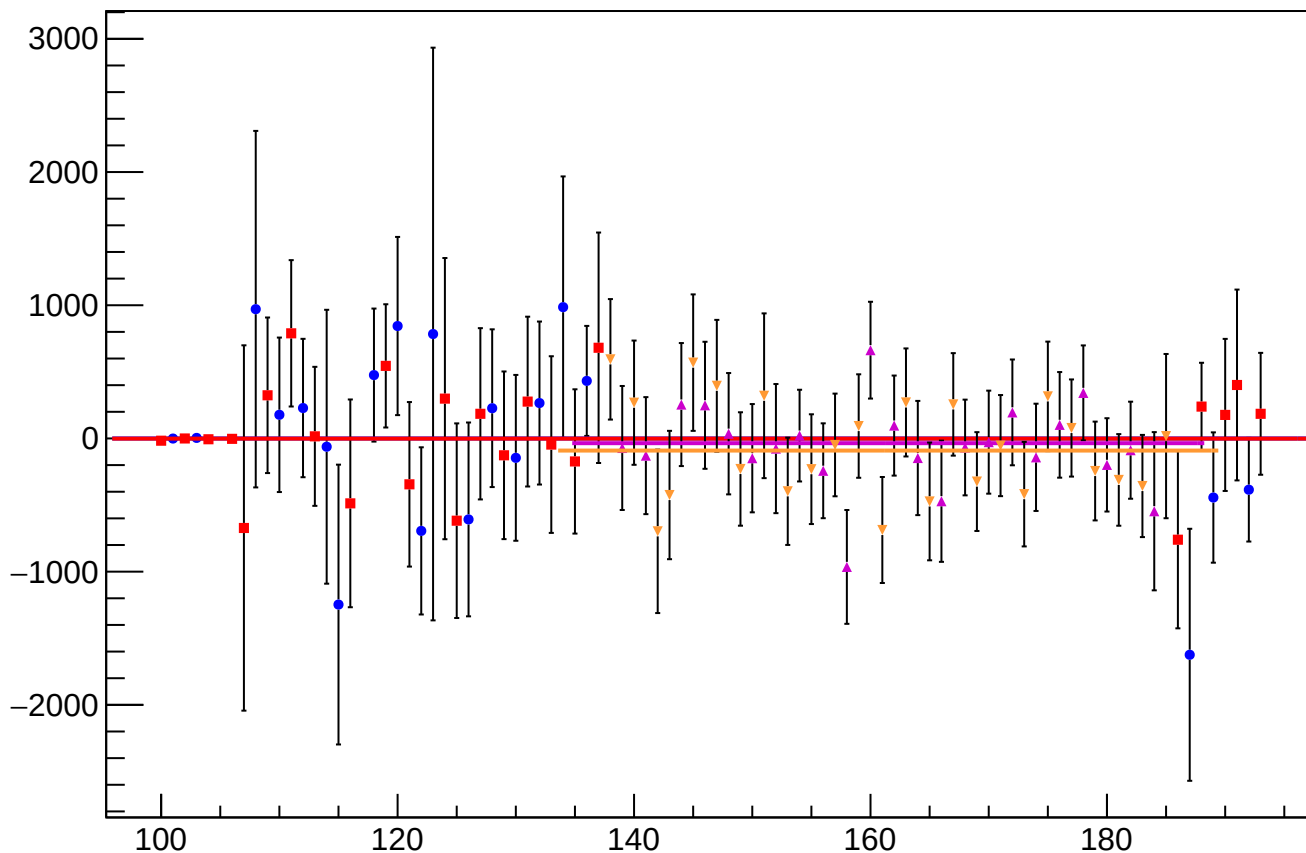
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF: 1179471.1/22

+ sign 206.489 $\pm$ 0.030 χ^2 /NDF: 6063245.4/44

All: 200.641 $\pm$ 0.021 χ^2 /NDF: 12445792.5/91

- sign 195.389 $\pm$ 0.029 χ^2 /NDF: 6312499.2/46

asym_cav4dQ_mean vs Slug



Right In: -0.159 ± 1.737 χ^2/NDF : 14.9/19

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.316 ± 1.623 χ^2/NDF : 11.7/23

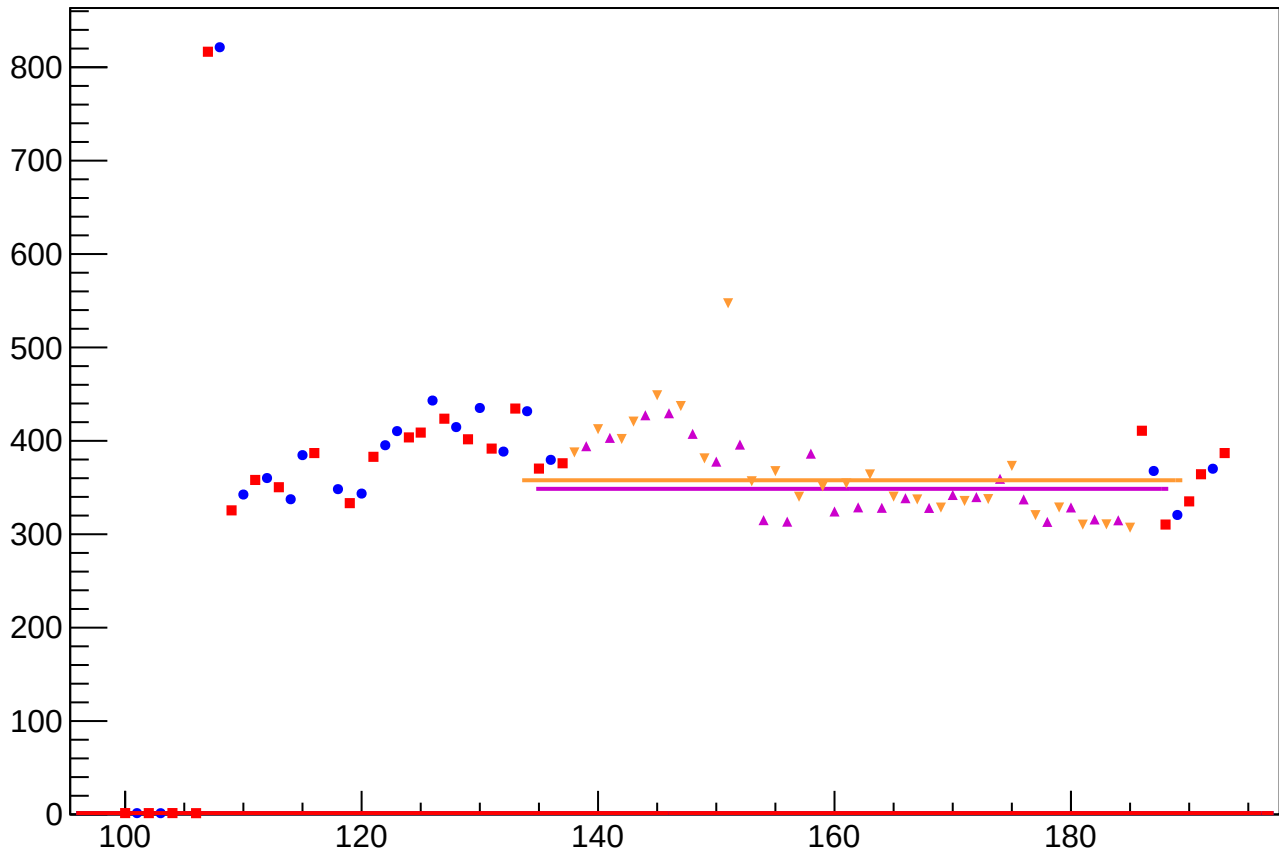
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.198 ± 1.736 χ^2/NDF : 32.5/44

All: -0.802 ± 1.185 χ^2/NDF : 58.0/91

- sign -1.328 ± 1.622 χ^2/NDF : 25.3/46

asym_cav4dQ_rms vs Slug



Right In: 1.465+/-0.001 χ^2/NDF : 13718682.5/19

Left Out: 357.804+/-0.059 χ^2/NDF : 547036.5/24

Right Out: 1.470+/-0.001 χ^2/NDF : 15968383.0/23

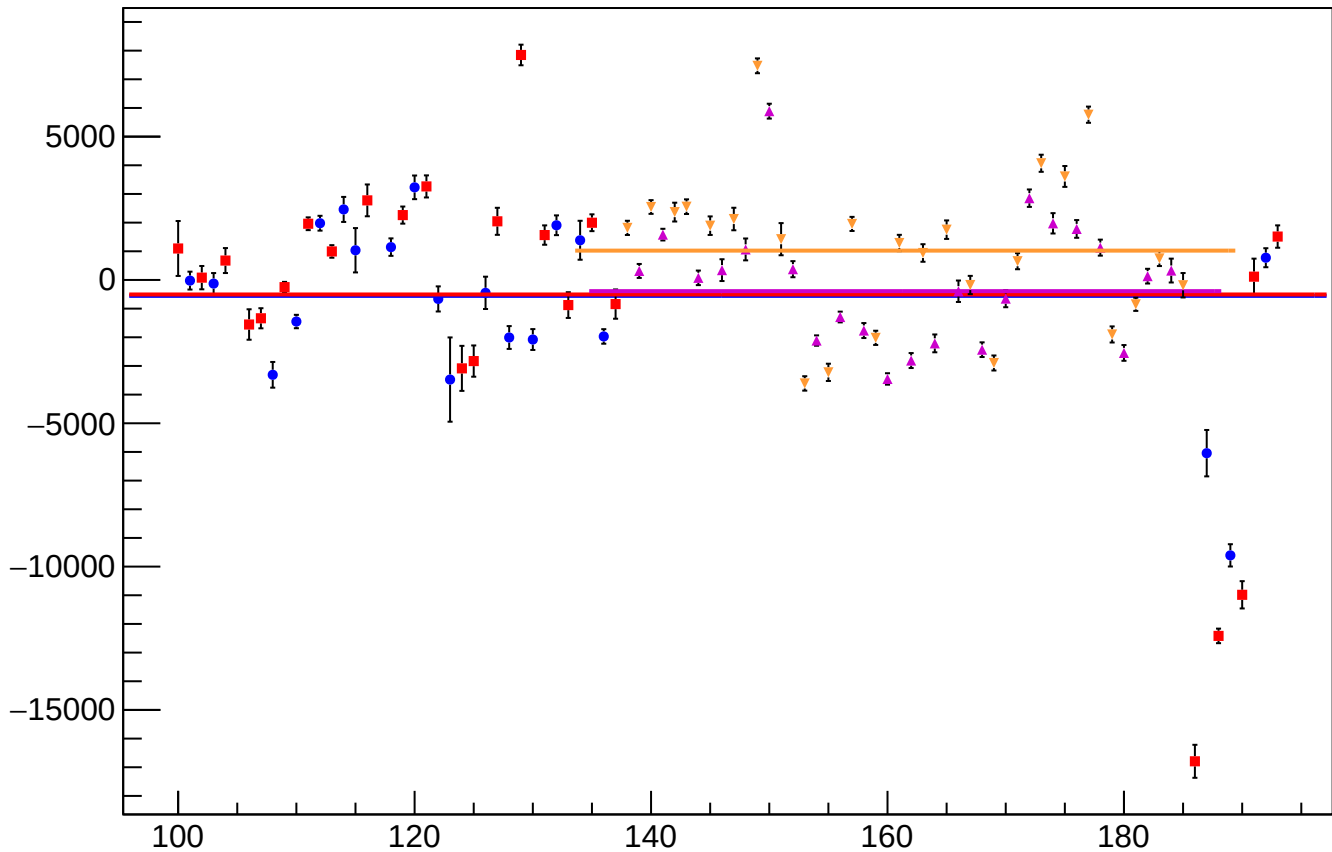
Left In: 348.611+/-0.060 χ^2/NDF : 362511.2/22

+ sign 1.617+/-0.001 χ^2/NDF : 50174640.1/44

All: 1.607+/-0.001 χ^2/NDF : 100341525.1/91

- sign 1.599+/-0.001 χ^2/NDF : 50166770.5/46

asym_bcm0l02_mean vs Slug



Right In: -555.084 ± 82.919 χ^2/NDF : 1049.5/19

Left Out: 1023.439 ± 57.338 χ^2/NDF : 2309.4/24

Right Out: -506.633 ± 71.712 χ^2/NDF : 4632.9/23

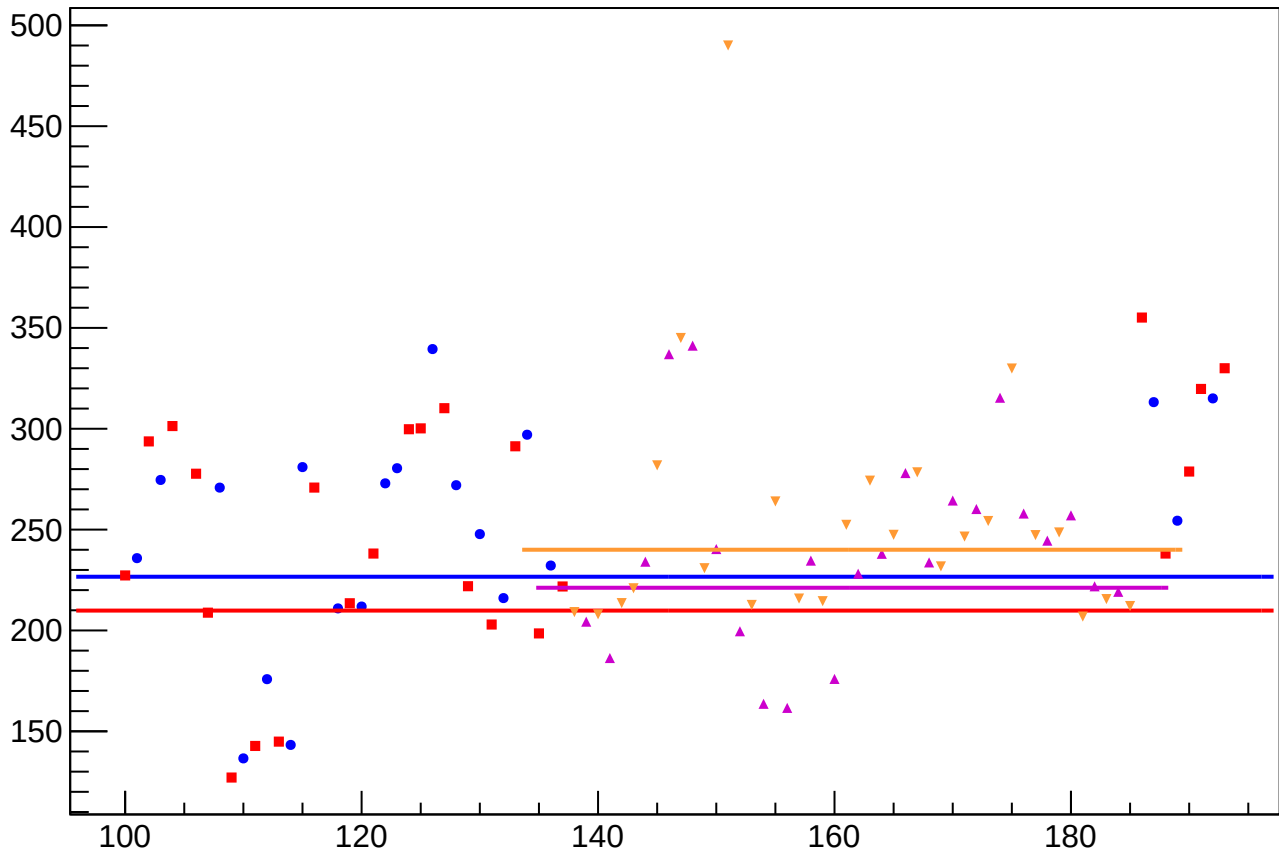
Left In: -390.237 ± 54.931 χ^2/NDF : 1584.9/22

+ sign 512.811 ± 47.161 χ^2/NDF : 3604.0/44

All: 2.789 ± 32.018 χ^2/NDF : 10040.4/91

- sign -433.278 ± 43.608 χ^2/NDF : 6219.4/46

asym_bcm0l02_rms vs Slug



Right In: 226.634 $\pm$ 0.059 χ^2 /NDF: 856874.4/19

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 209.854 $\pm$ 0.051 χ^2 /NDF: 1695976.9/23

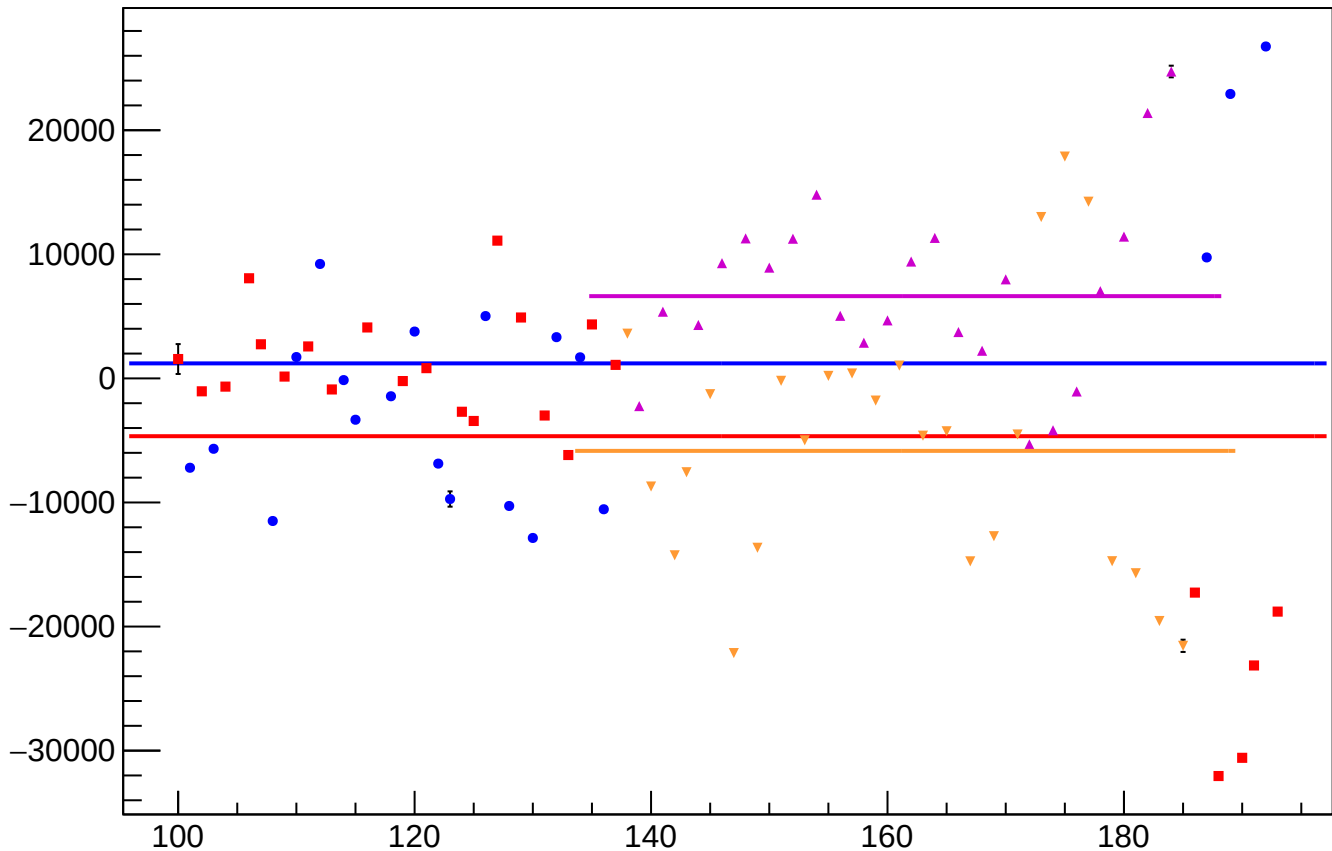
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 235.689 $\pm$ 0.033 χ^2 /NDF: 1894561.4/44

All: 225.607 $\pm$ 0.023 χ^2 /NDF: 5134010.0/91

- sign 216.987 $\pm$ 0.031 χ^2 /NDF: 3069897.6/46

asym_bpm2i01WS_mean vs Slug



Right In: 1209.350+/-44.771 χ^2/NDF : 69865.6/19

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -4658.561+/-40.746 χ^2/NDF : 89421.2/23

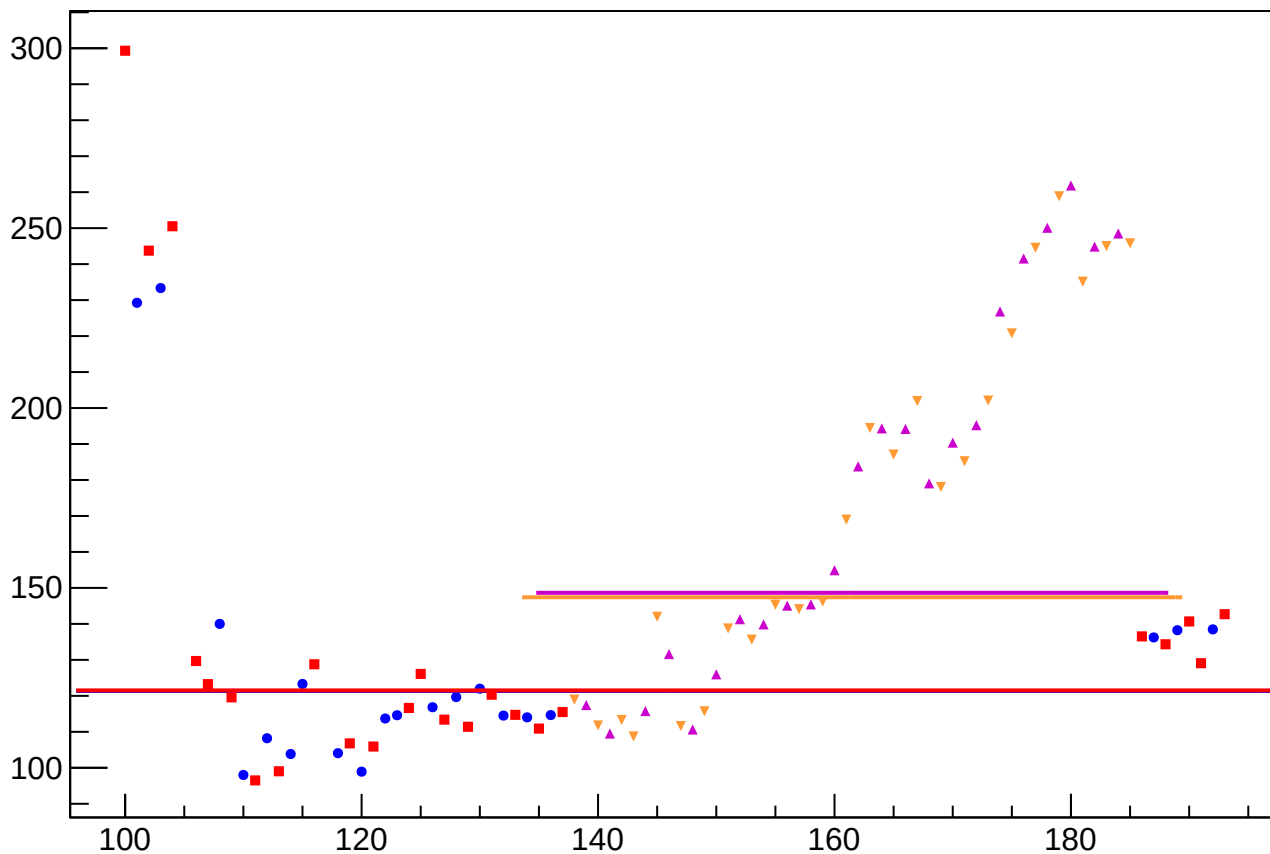
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -3087.161+/-27.983 χ^2/NDF : 148376.3/44

All: -748.309+/-19.598 χ^2/NDF : 315137.3/91

- sign 1503.389+/-27.457 χ^2/NDF : 153049.8/46

asym_bpm2i01WS_rms vs Slug



Right In: 121.357+/-0.032 χ^2/NDF : 688754.9/19

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 121.510+/-0.029 χ^2/NDF : 780450.4/23

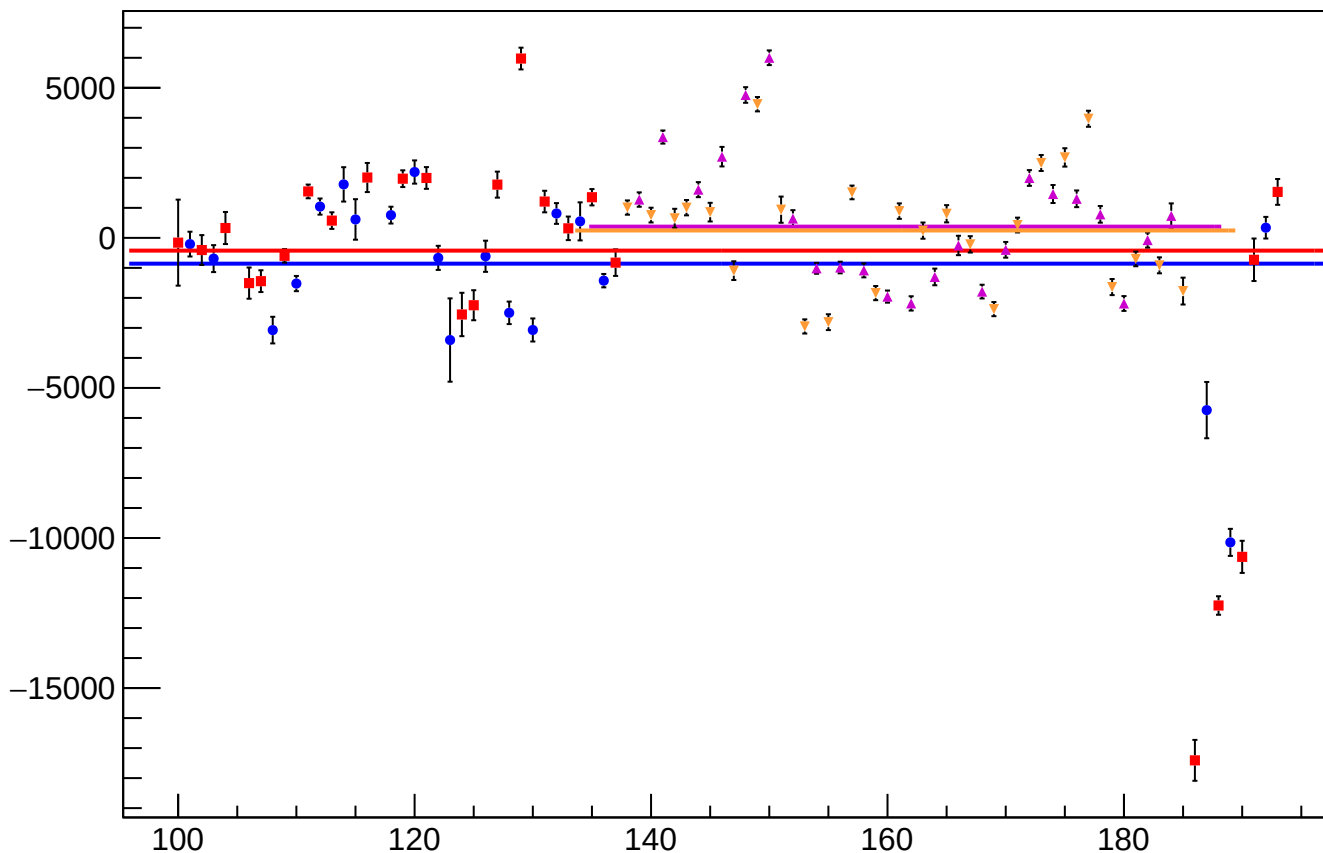
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 137.224+/-0.020 χ^2/NDF : 3618108.4/44

All: 136.764+/-0.014 χ^2/NDF : 7299292.6/91

- sign 136.322+/-0.019 χ^2/NDF : 3680126.4/46

asym_bpm0i07WS_mean vs Slug



Right In: -859.126 ± 84.857 χ^2/NDF : 759.4/19

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -424.650 ± 76.400 χ^2/NDF : 3149.0/23

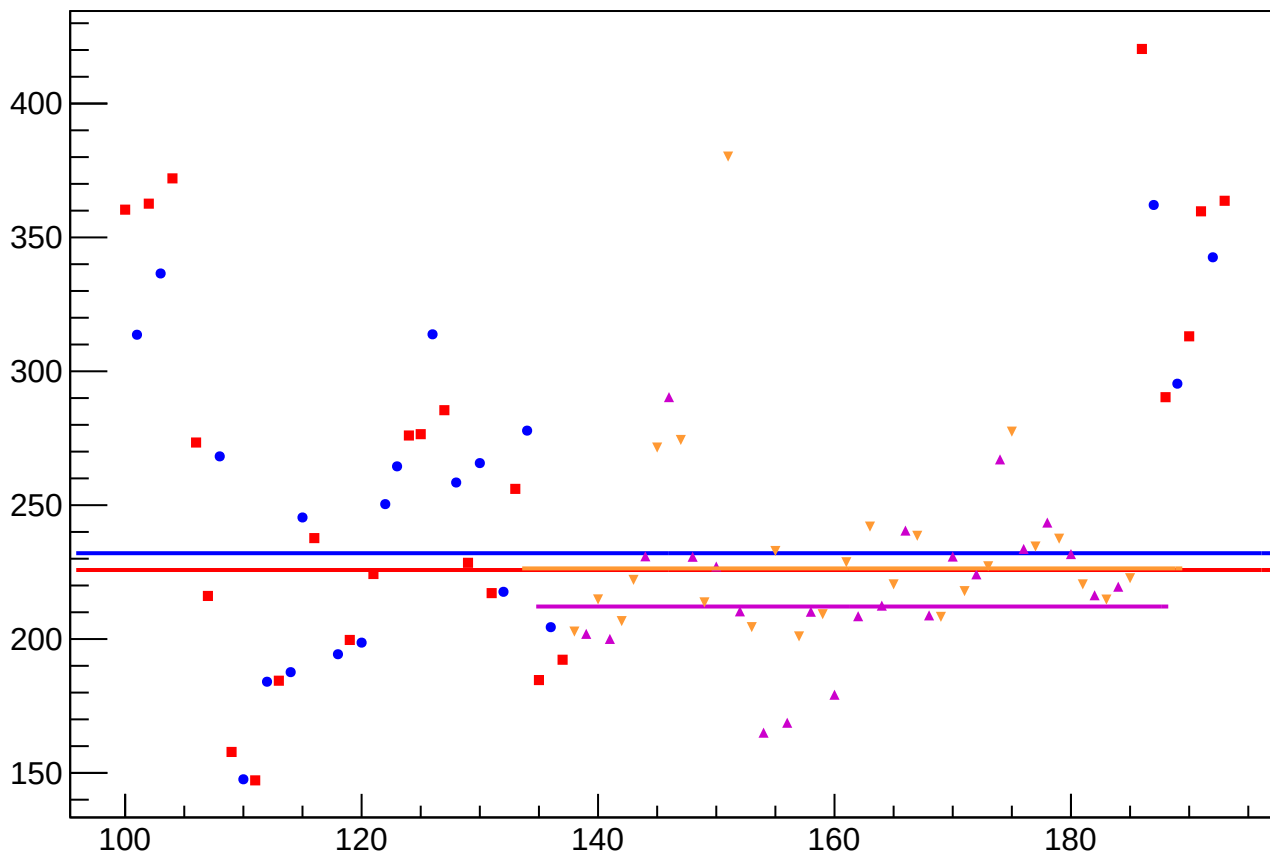
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -68.178 ± 45.251 χ^2/NDF : 2235.6/44

All: 32.018 ± 31.143 χ^2/NDF : 7267.1/91

- sign 122.185 ± 42.927 χ^2/NDF : 5022.2/46

asym_bpm0i07WS_rms vs Slug



Right In: 232.057 ± 0.060 χ^2/NDF : 939422.7/19

Left Out: 226.376 ± 0.038 χ^2/NDF : 521770.1/24

Right Out: 225.783 ± 0.054 χ^2/NDF : 1538998.3/23

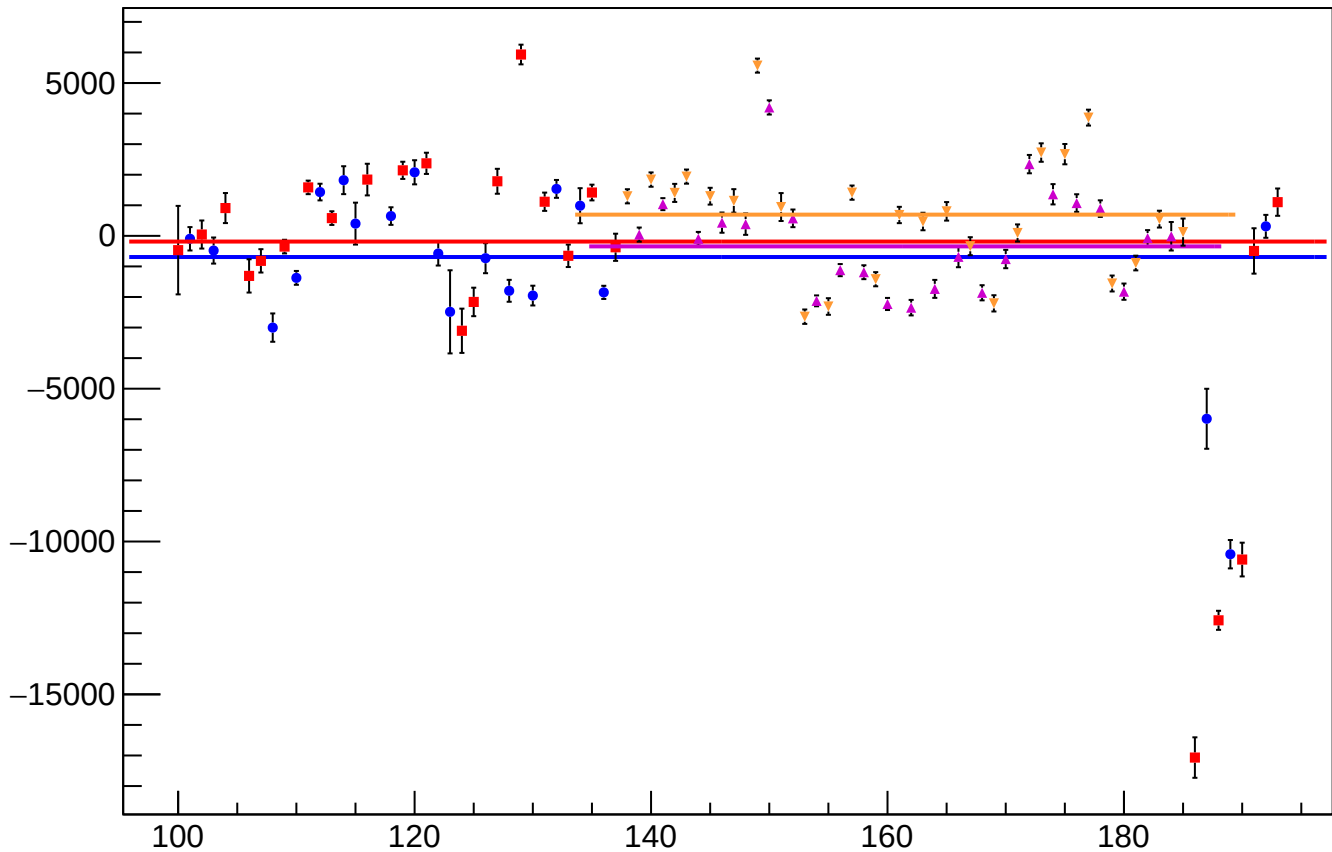
Left In: 212.145 ± 0.037 χ^2/NDF : 591698.6/22

+ sign 227.991 ± 0.032 χ^2/NDF : 1467609.7/44

All: 221.917 ± 0.022 χ^2/NDF : 3710391.5/91

- sign 216.451 ± 0.030 χ^2/NDF : 2174310.9/46

asym_bpm0l01WS_mean vs Slug



Right In: -692.570 ± 80.855 χ^2/NDF : 798.0/19

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -186.524 ± 72.867 χ^2/NDF : 3299.4/23

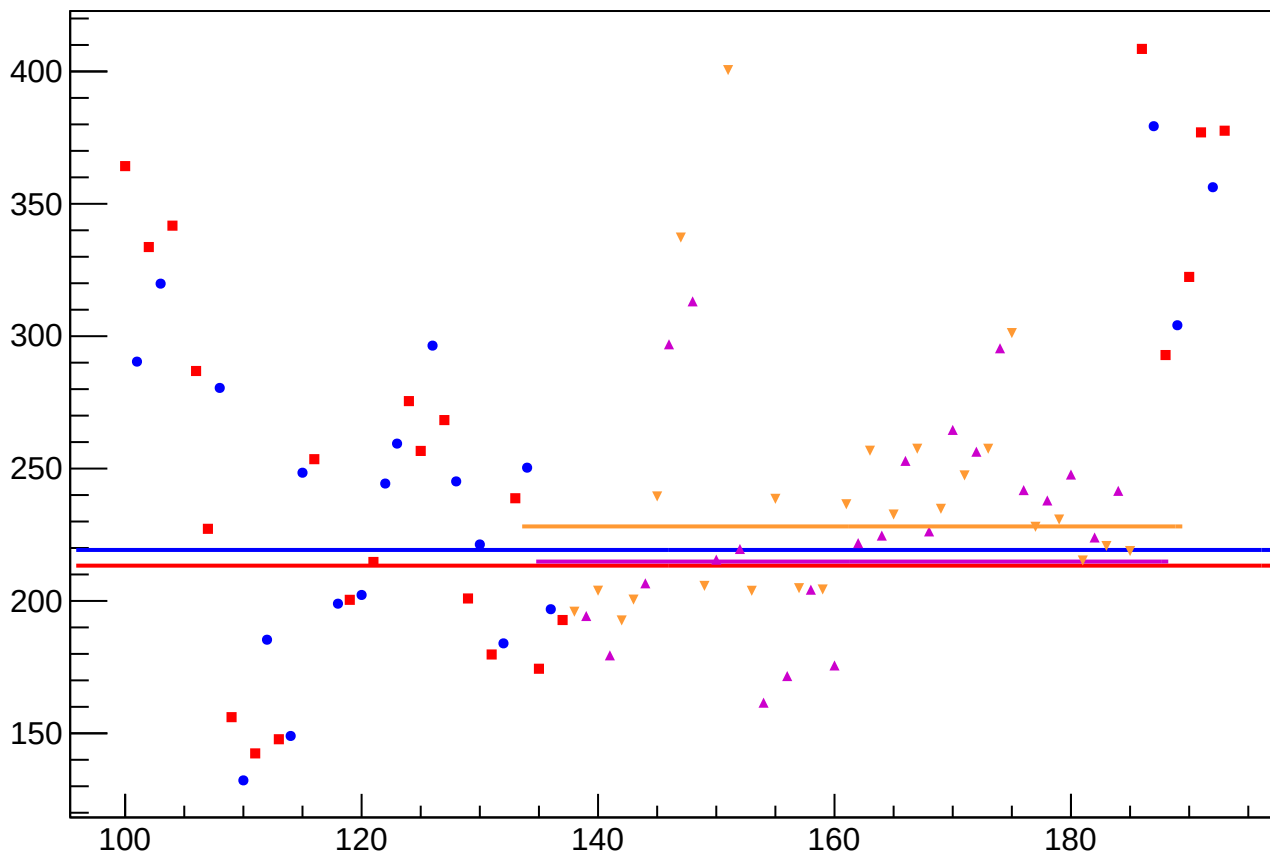
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 263.830 ± 45.047 χ^2/NDF : 2423.0/44

All: -26.981 ± 31.042 χ^2/NDF : 6789.9/91

- sign -289.953 ± 42.837 χ^2/NDF : 4287.5/46

asym_bpm0l01WS_rms vs Slug



Right In: 219.259 $\pm$ 0.057 χ^2 /NDF: 1119809.7/19

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 213.332 $\pm$ 0.052 χ^2 /NDF: 1765565.4/23

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 225.386 $\pm$ 0.032 χ^2 /NDF: 1964862.0/44

All: 219.587 $\pm$ 0.022 χ^2 /NDF: 4831633.7/91

- sign 214.344 $\pm$ 0.030 χ^2 /NDF: 2803664.7/46

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

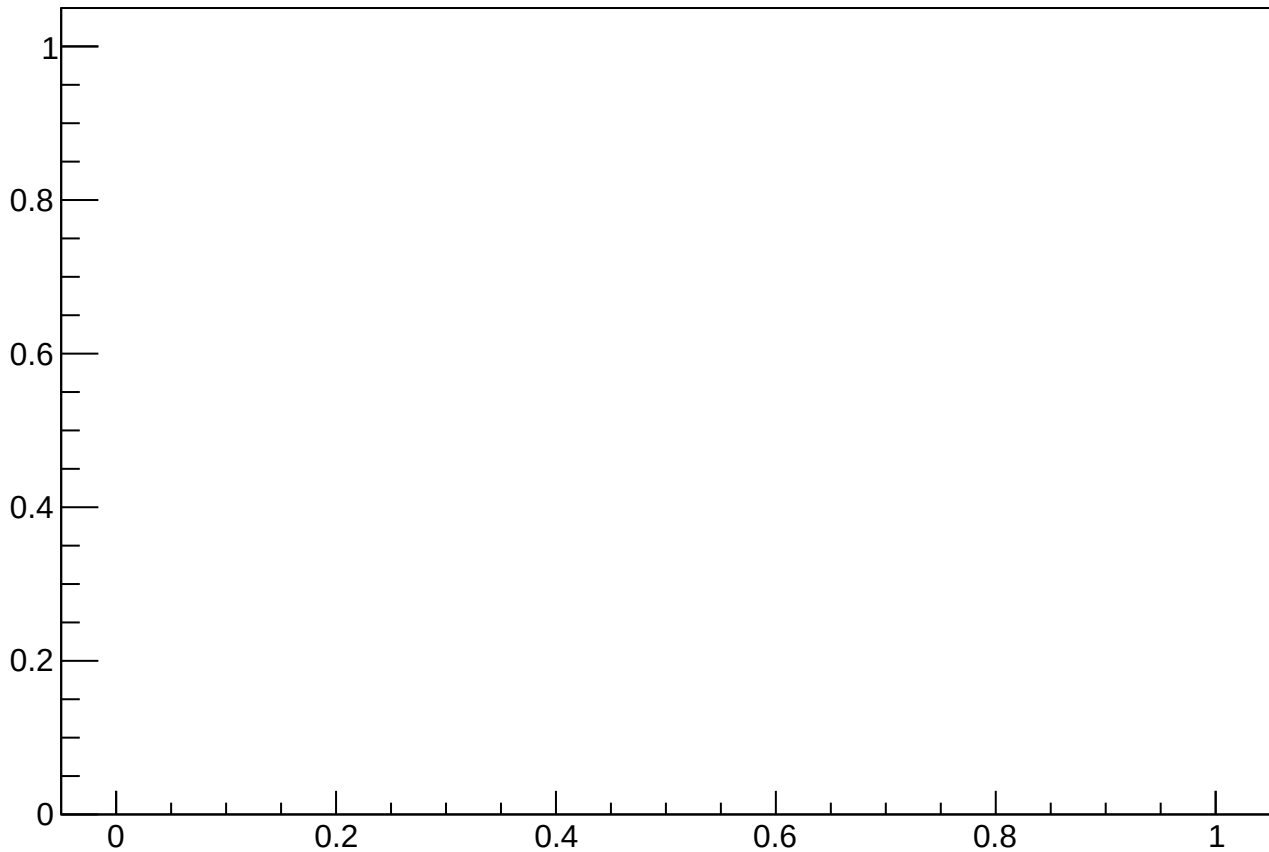
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

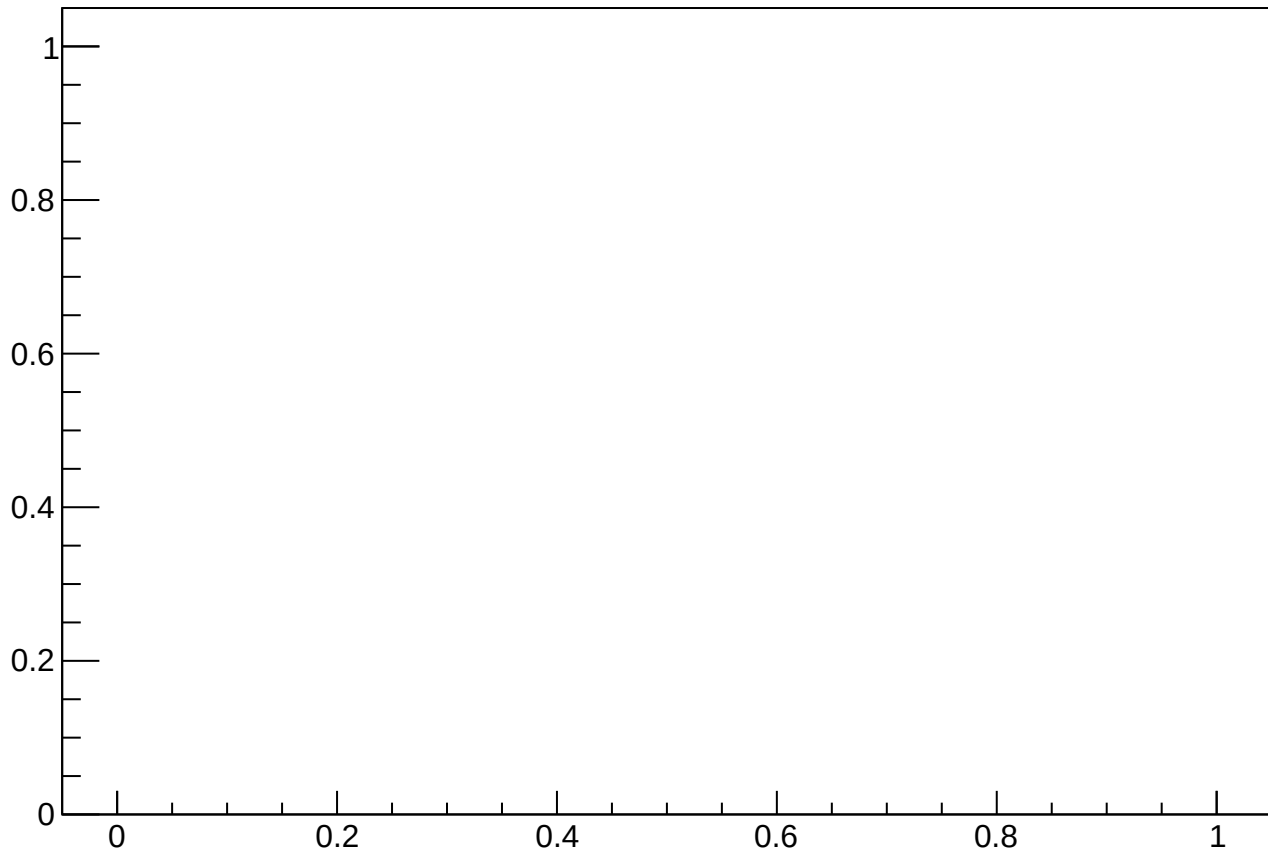
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

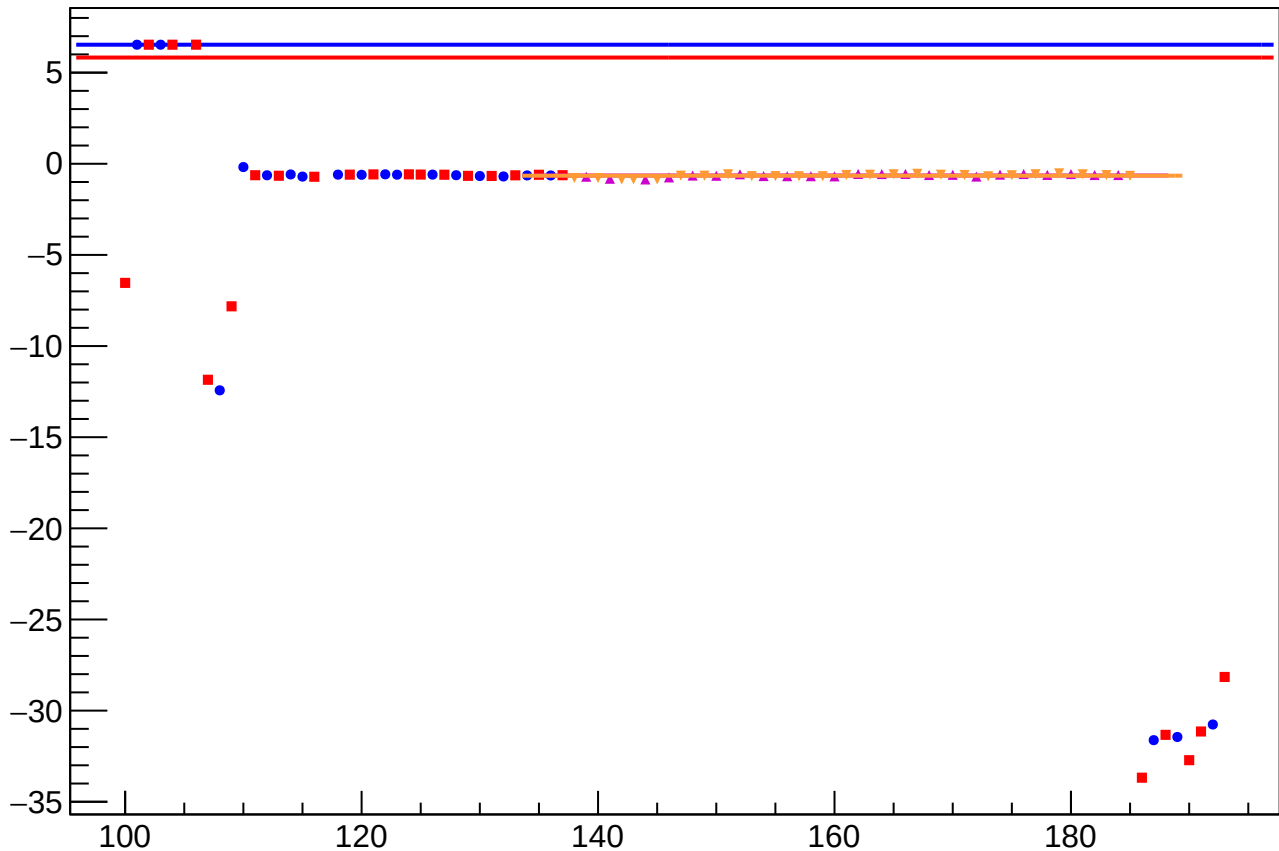
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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 $\pm$ 0.000 χ^2 /NDF: 127724619236.2/19

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962123653598.5/23

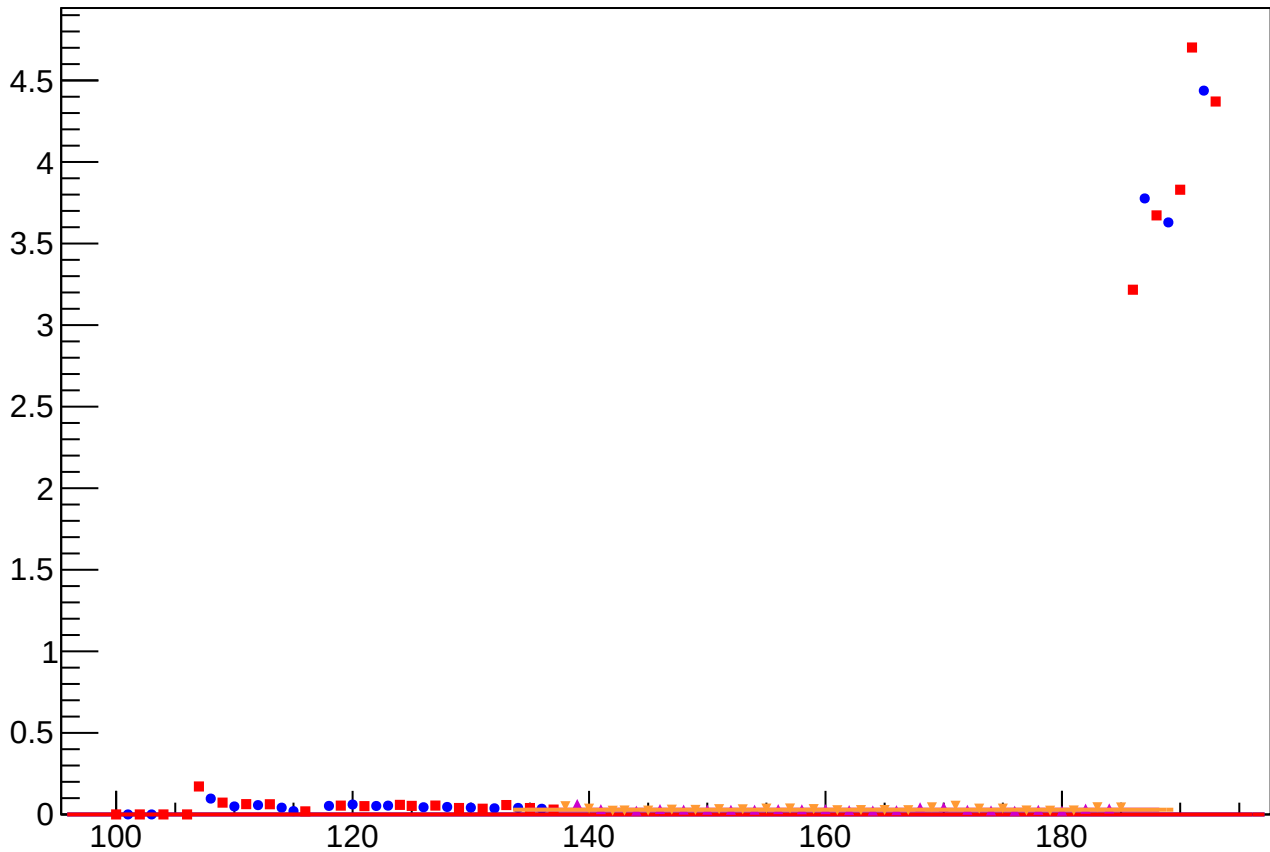
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001564133265.7/44

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762724466183

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640586800242.4/22

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11750854.3/19

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14324367.9/23

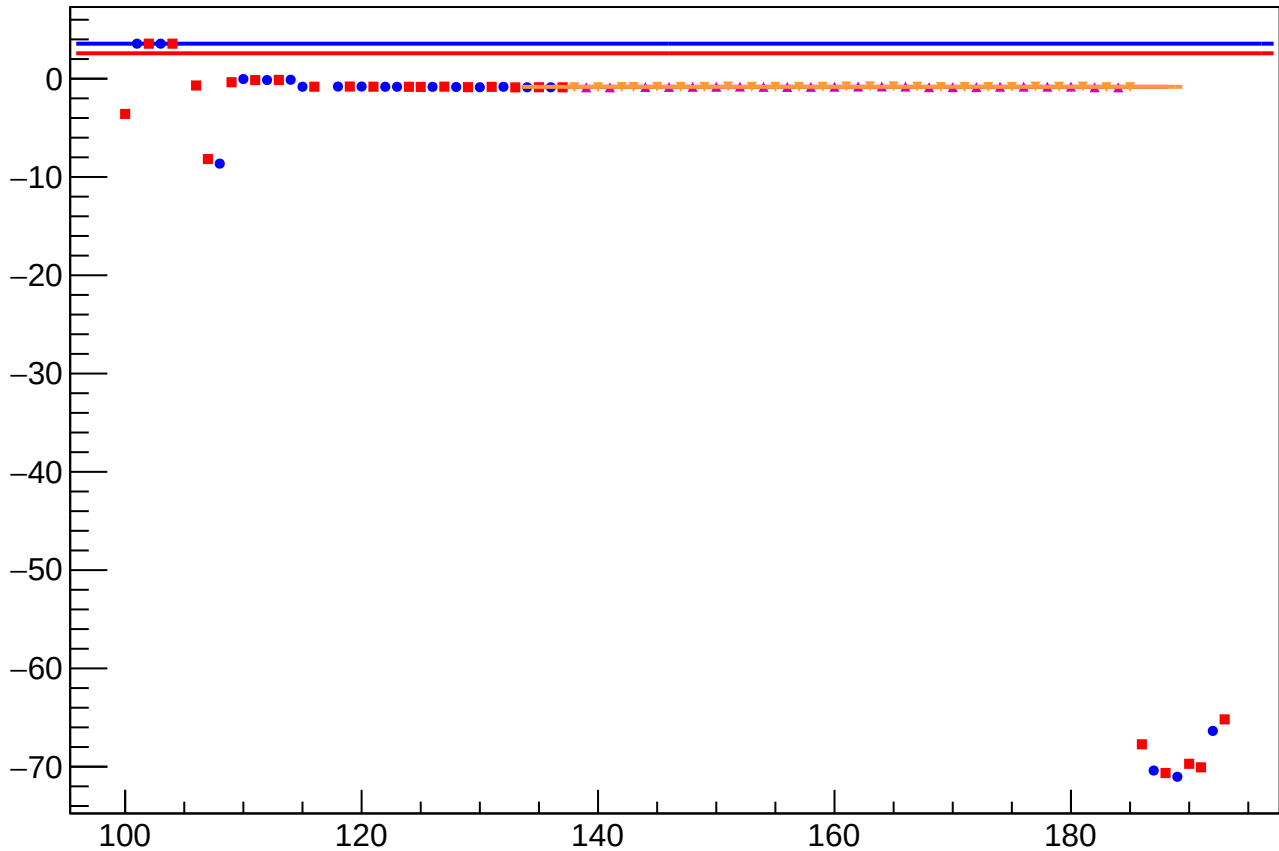
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 41714626.0/44

All: 0.000+/-0.000 χ^2/NDF : 84221515.3/91

- sign 0.000+/-0.000 χ^2/NDF : 42506221.3/46

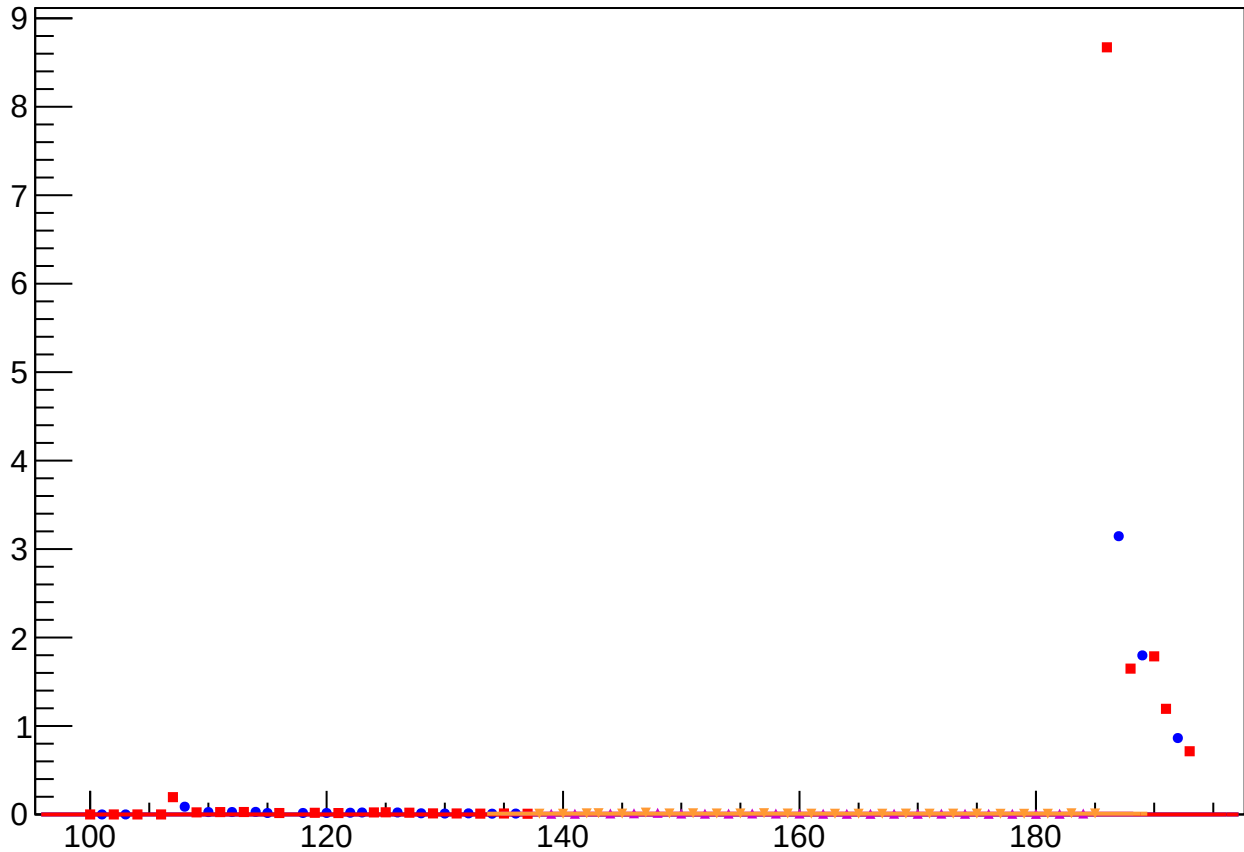
yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 $\chi^2/\text{NDF}: 485202119004.1/19$
 Left Out: -0.827 ± 0.000 $\chi^2/\text{NDF}: 170052639.9/24$
 Right Out: 2.583 ± 0.000 $\chi^2/\text{NDF}: 1253509659290597.8/23$
 Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 174130375.4/22$

+ sign 3.560 ± 0.000 $\chi^2/\text{NDF}: 4181650808877.0/44$
 All: 3.038 ± 0.000 $\chi^2/\text{NDF}: 13879905620484$
 - sign 2.581 ± 0.000 $\chi^2/\text{NDF}: 1255730754041278.0$

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12065401.9/19

Left Out: 0.009+/-0.000 χ^2/NDF : 1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14323566.6/23

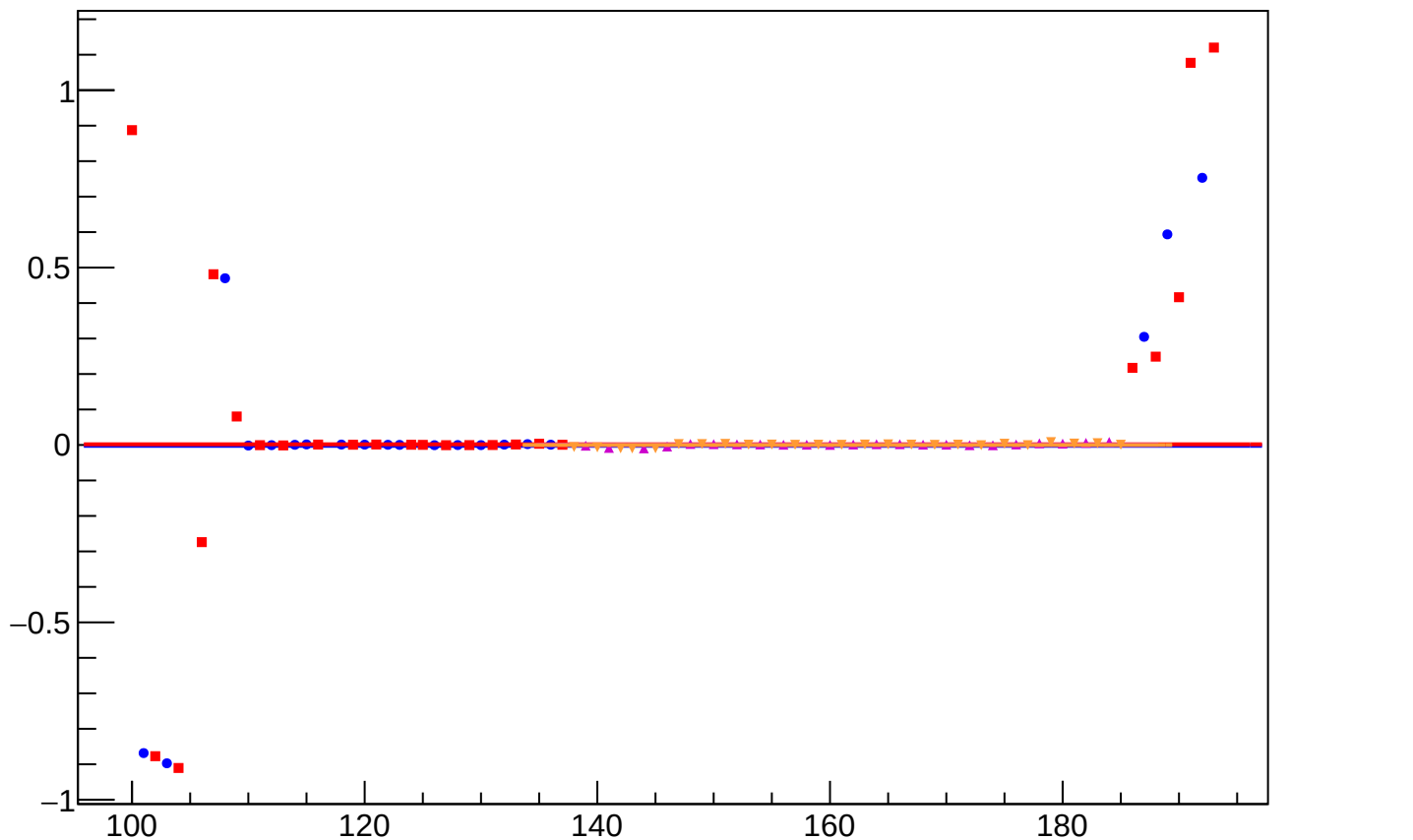
Left In: 0.009+/-0.000 χ^2/NDF : 1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 43573830.5/44

All: 0.000+/-0.000 χ^2/NDF : 87705163.3/91

- sign 0.000+/-0.000 χ^2/NDF : 44130255.6/46

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795164198.2/19

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041807241.6/23

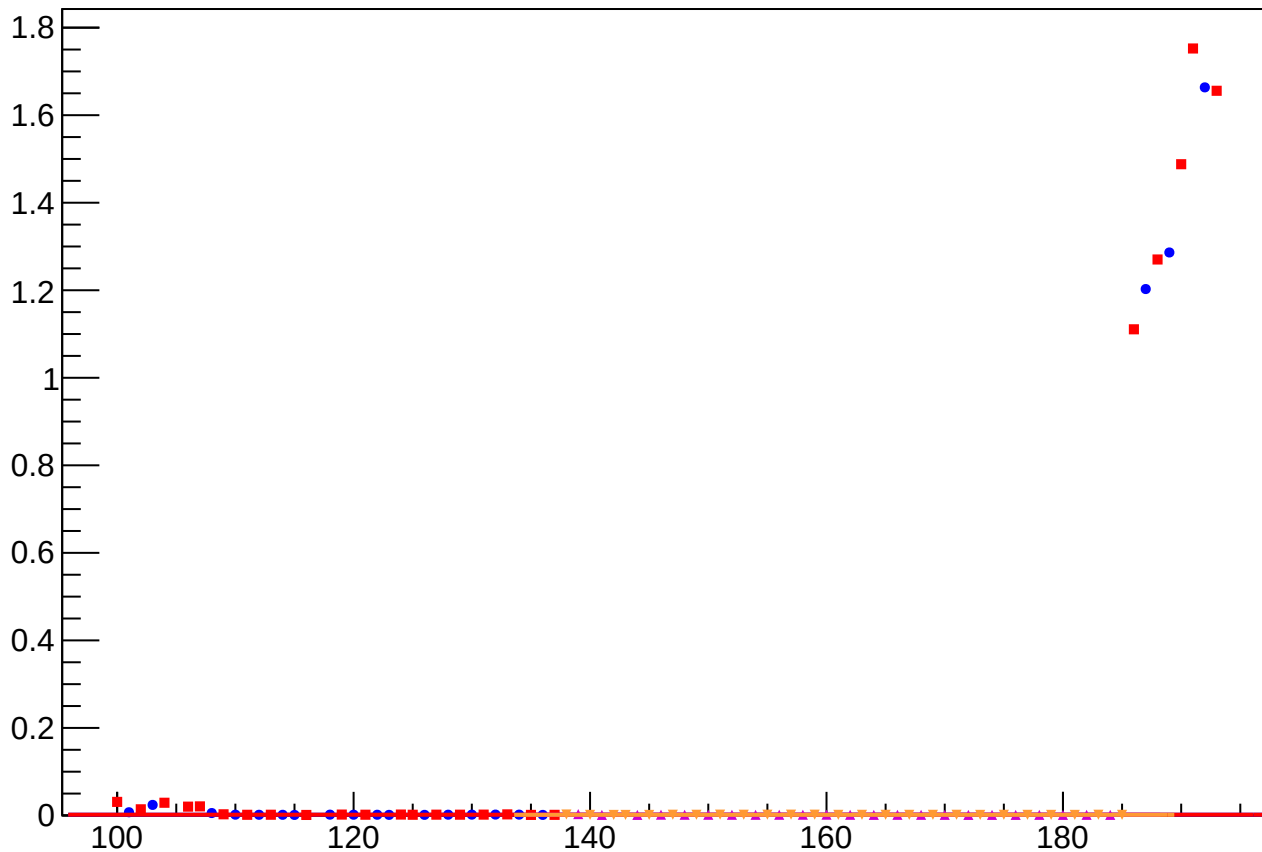
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9953687523.6/44

All: 0.000 ± 0.000 χ^2/NDF : 13106489720.4/9

- sign 0.001 ± 0.000 χ^2/NDF : 3145251101.2/46

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4810157.8/19

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 7997820.5/23

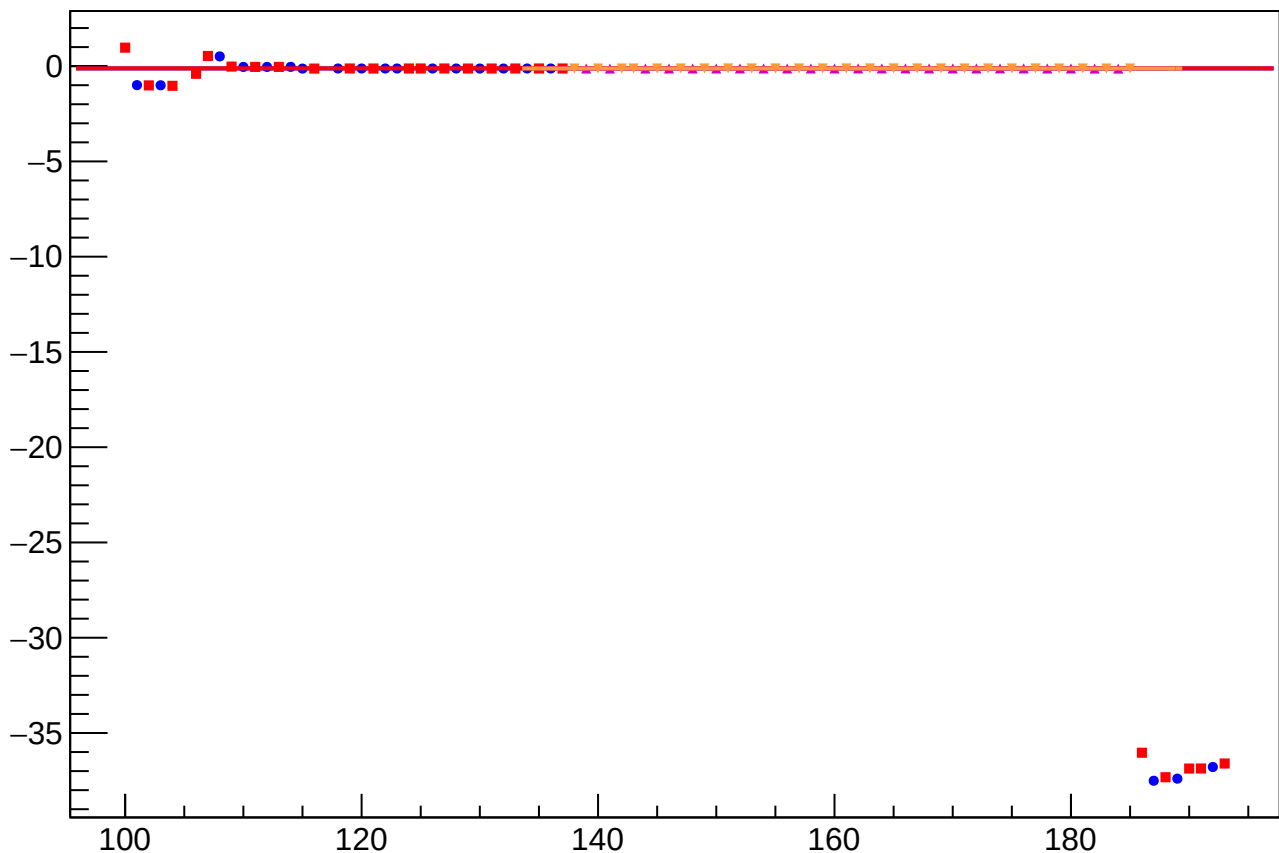
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 5419057.2/44

All: 0.002+/-0.000 χ^2/NDF : 14192867.4/91

- sign 0.002+/-0.000 χ^2/NDF : 8765915.8/46

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 14919151689.0/19

Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.116+/-0.000 χ^2/NDF : 19463899685.9/23

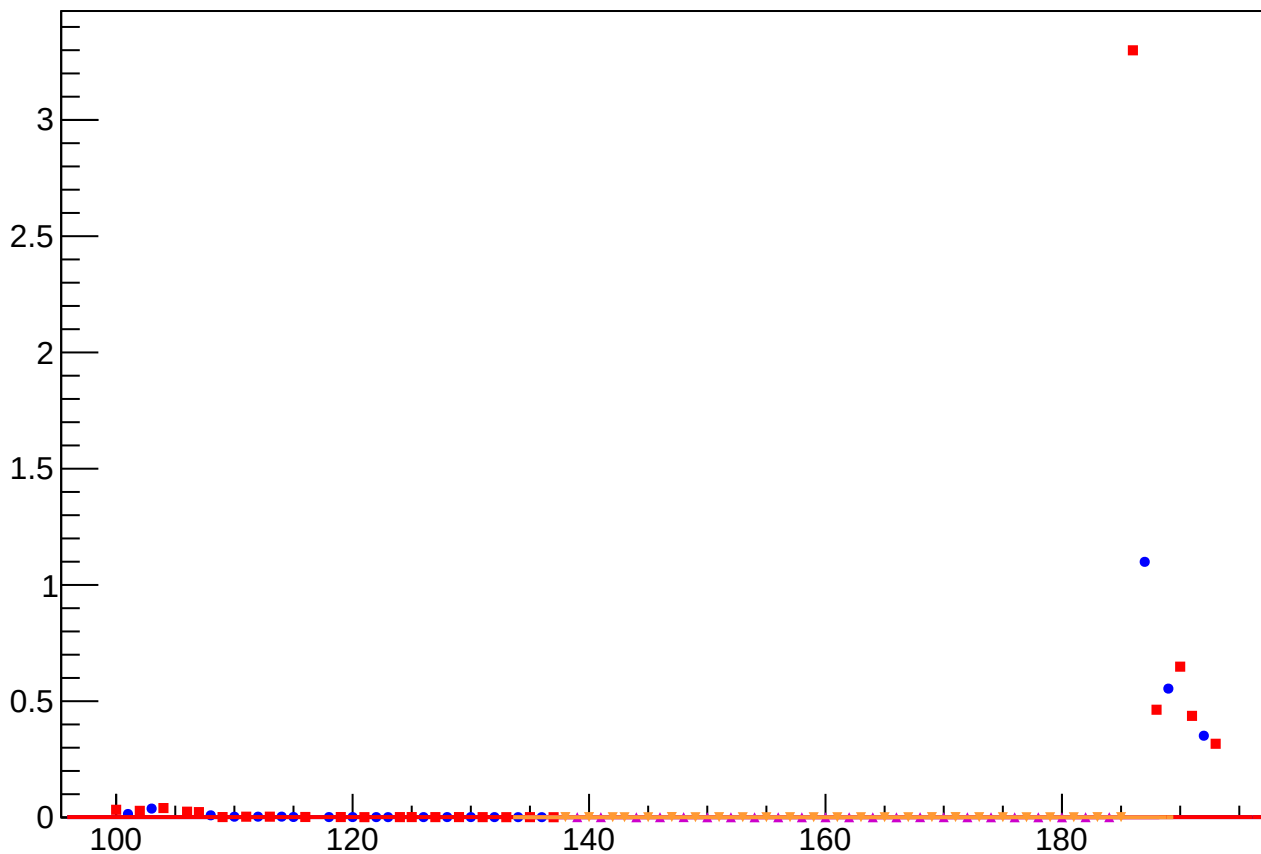
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121+/-0.000 χ^2/NDF : 14978114746.6/44

All: -0.121+/-0.000 χ^2/NDF : 34546440020.6/44

- sign -0.120+/-0.000 χ^2/NDF : 19564348045.9/46

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5606773.8/19

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8329493.4/23

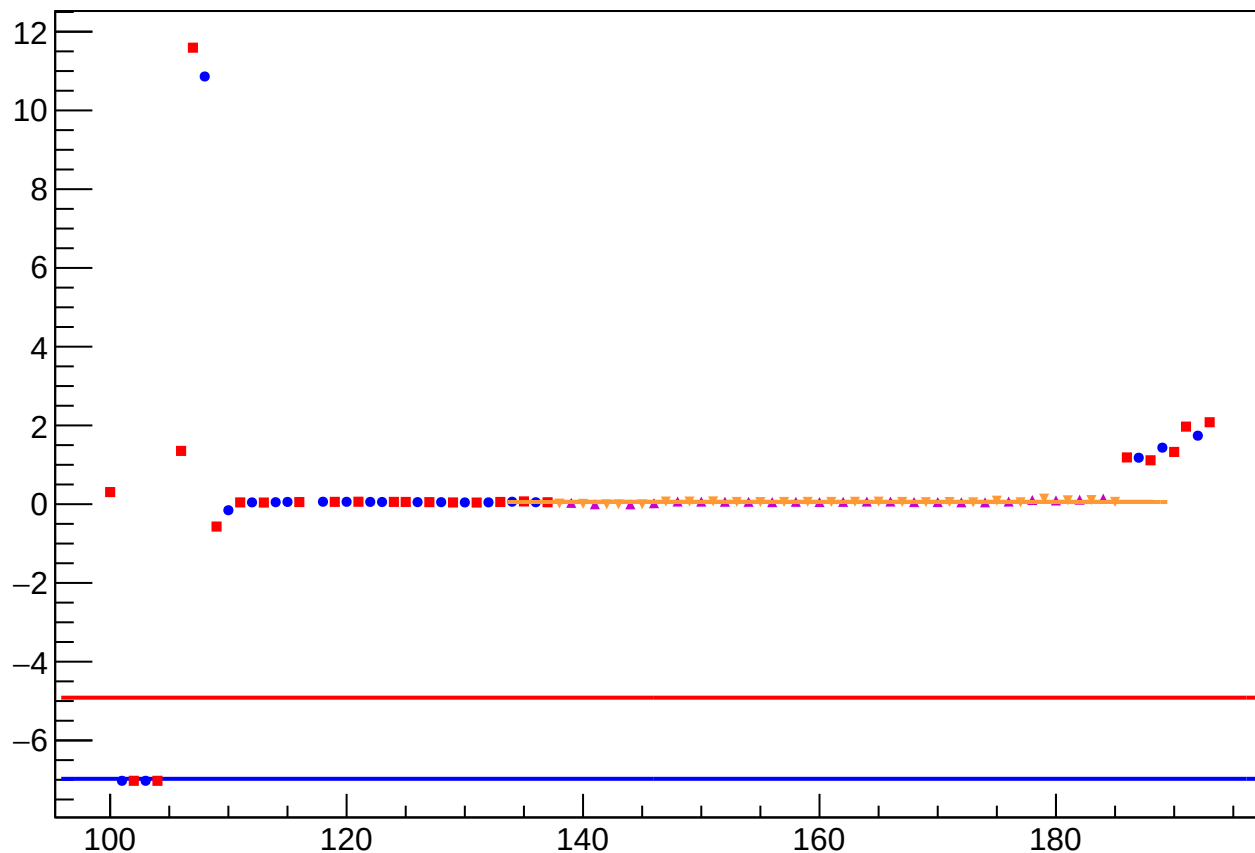
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 8131812.5/44

All: 0.001+/-0.000 χ^2/NDF : 18549646.2/91

- sign 0.001+/-0.000 χ^2/NDF : 10415805.8/46

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8762510019374.2/19$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243733184.3/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365348598862126.9/23$

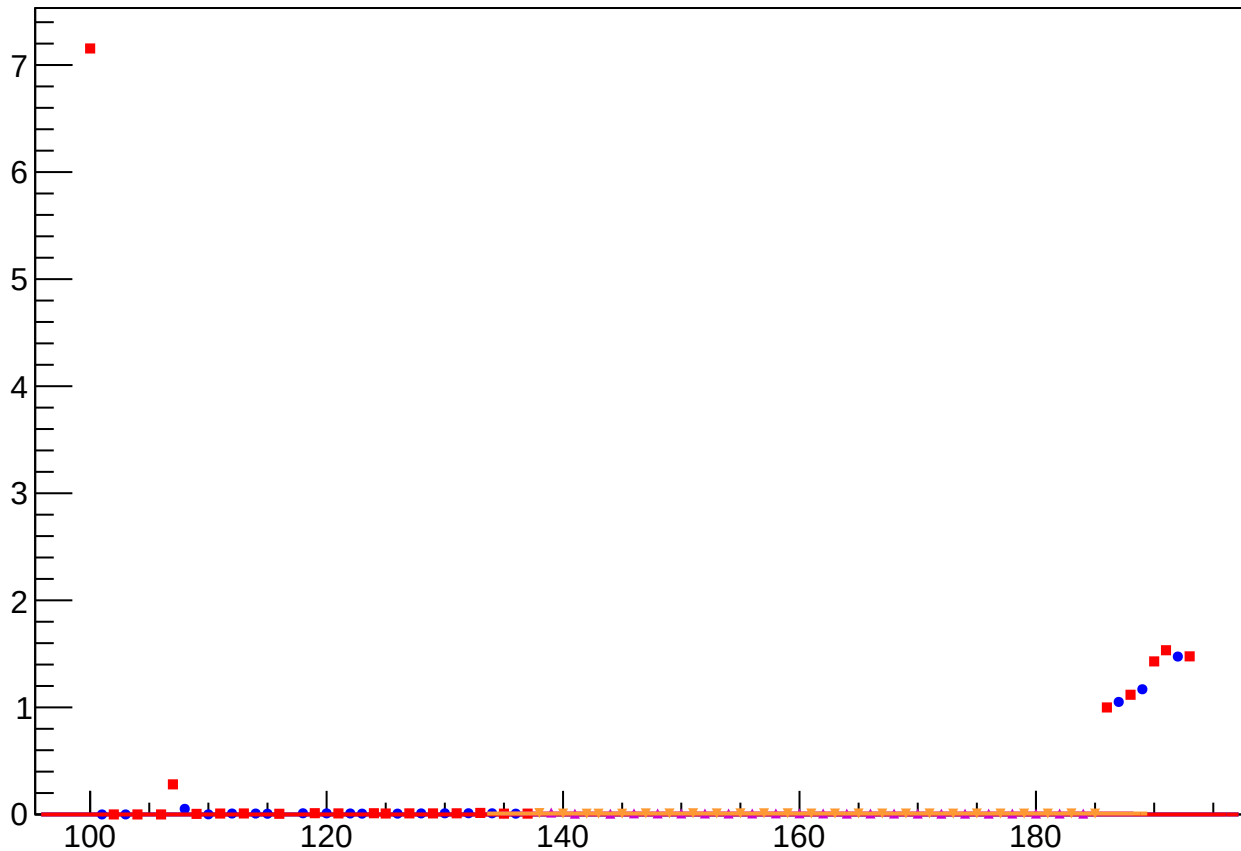
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178713649.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18417499996331.2/19$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435812903551.2/19$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369770890327735.4/19$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11122063.5/19

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 13742069.6/23

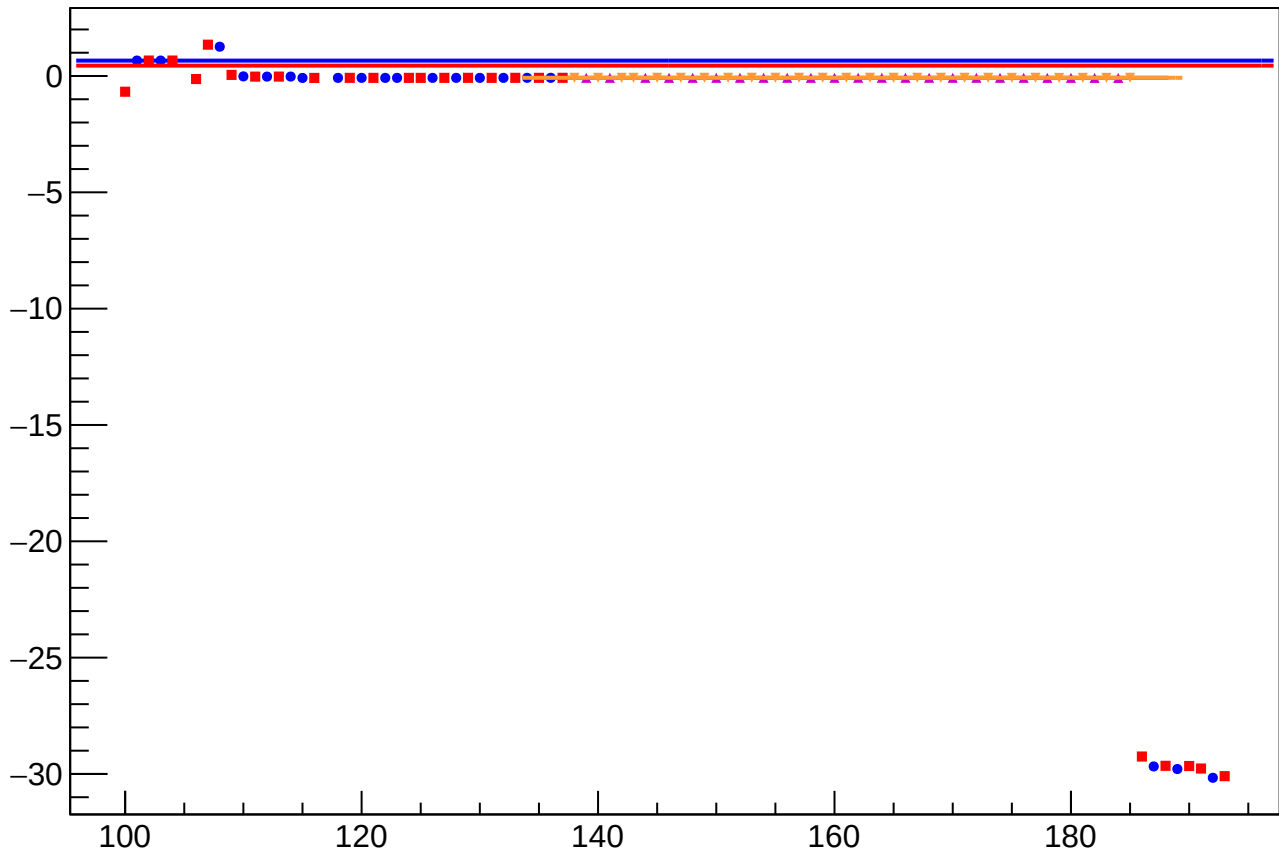
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 40109880.5/44

All: 0.000+/-0.000 χ^2/NDF : 81530616.0/91

- sign 0.000+/-0.000 χ^2/NDF : 41416283.9/46

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5596242328987.5/19

Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24

Right Out: 0.446+/-0.000 χ^2/NDF : 405431885907147.9/23

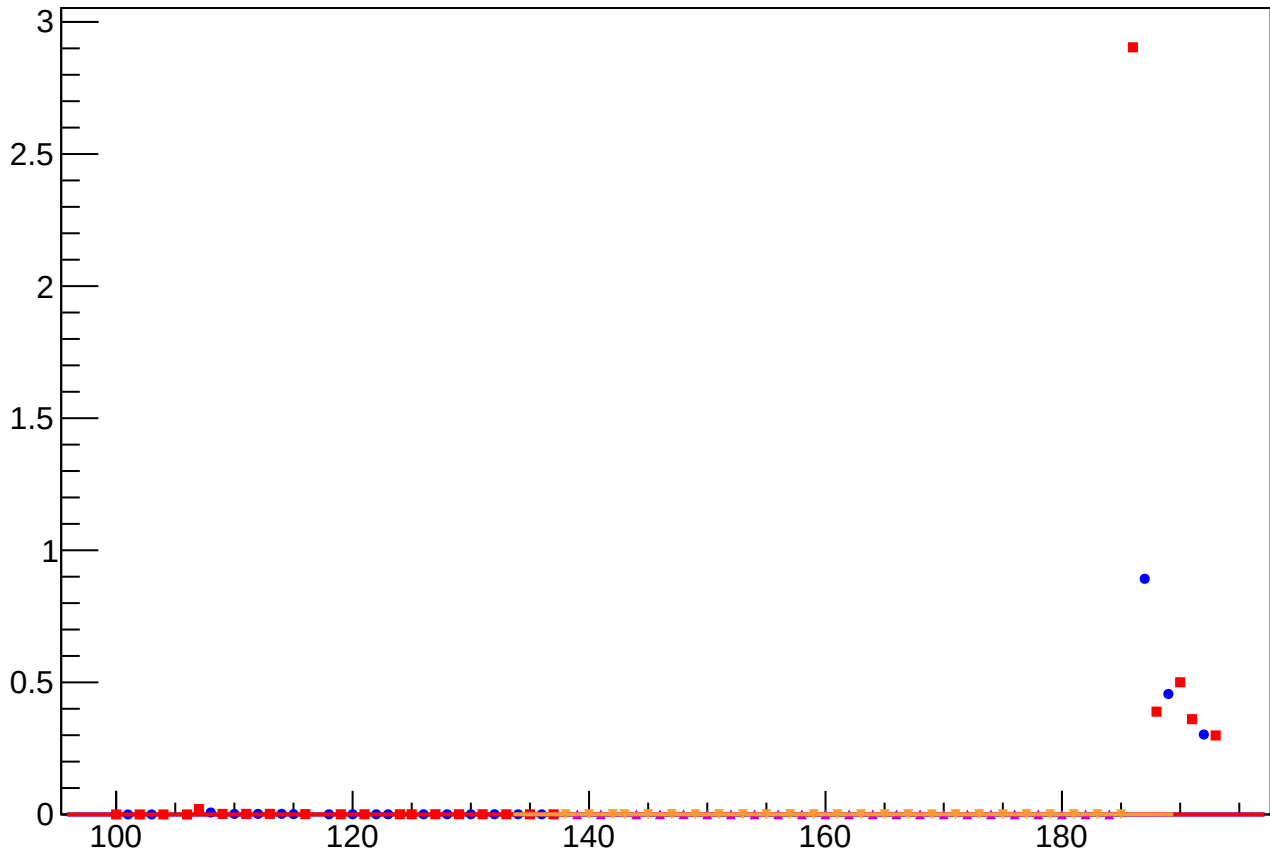
Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35763745810688.1/4

All: 0.537+/-0.000 χ^2/NDF : 51600739940375

- sign 0.437+/-0.000 χ^2/NDF : 419663429298237.2/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12677676.4/19

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14345732.1/23

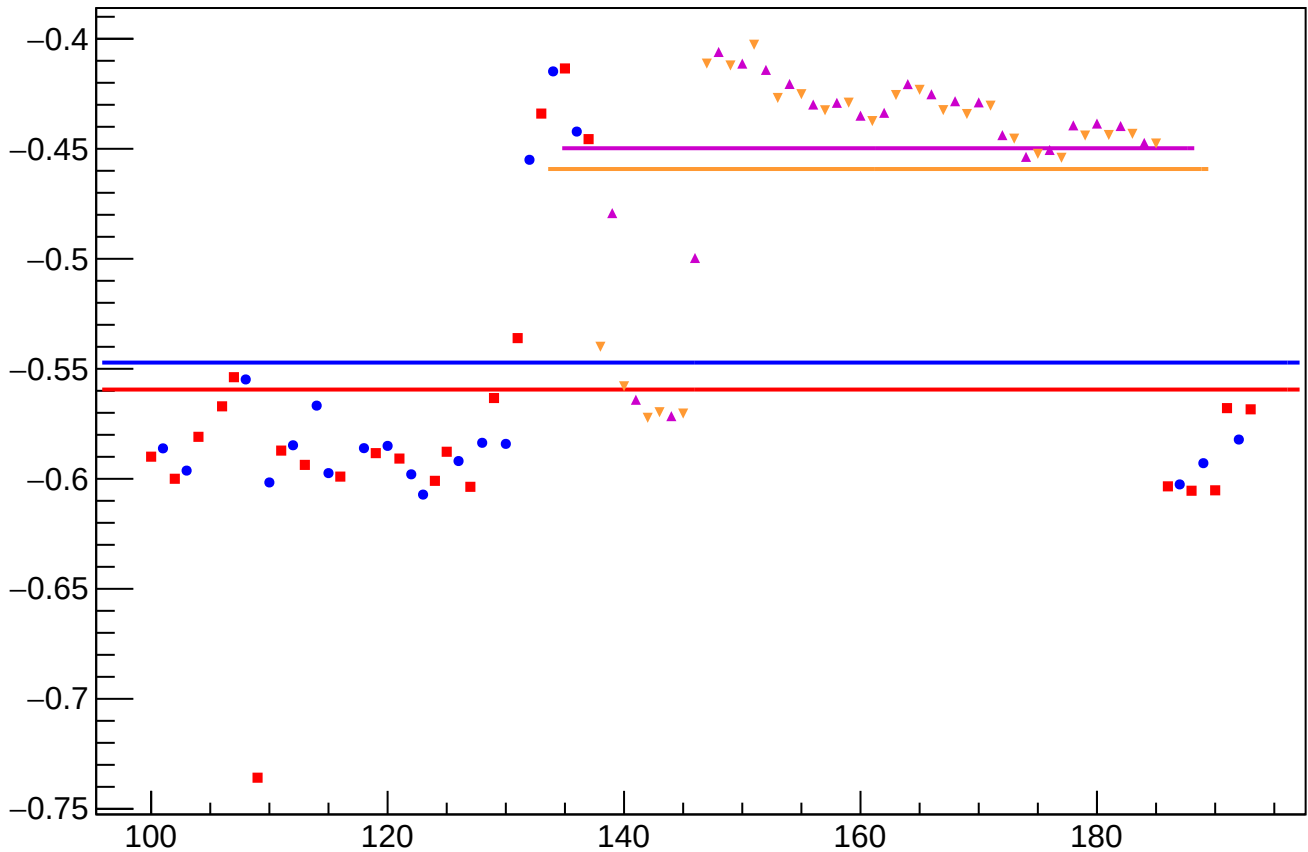
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 45327163.4/44

All: 0.000+/-0.000 χ^2/NDF : 90717032.5/91

- sign 0.000+/-0.000 χ^2/NDF : 45382725.8/46

yield_bpm4aX_mean vs Slug



Right In: -0.547+/-0.000 χ^2/NDF : 47175204.8/19

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.559+/-0.000 χ^2/NDF : 65174332.0/23

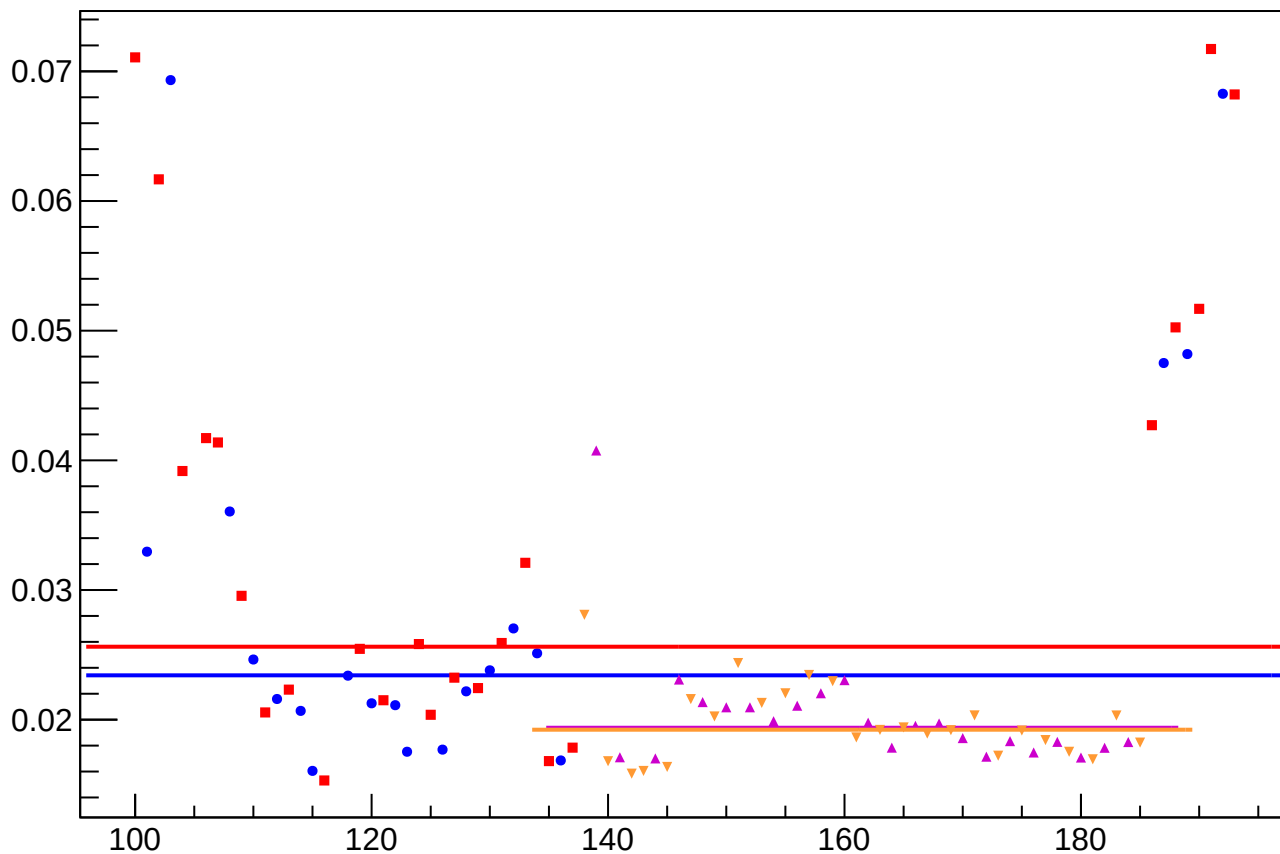
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.478+/-0.000 χ^2/NDF : 226932883.6/44

All: -0.476+/-0.000 χ^2/NDF : 468520452.5/91

- sign -0.474+/-0.000 χ^2/NDF : 241246281.2/46

yield_bpm4aX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 2062698.3/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:501253.7/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 2709497.0/23

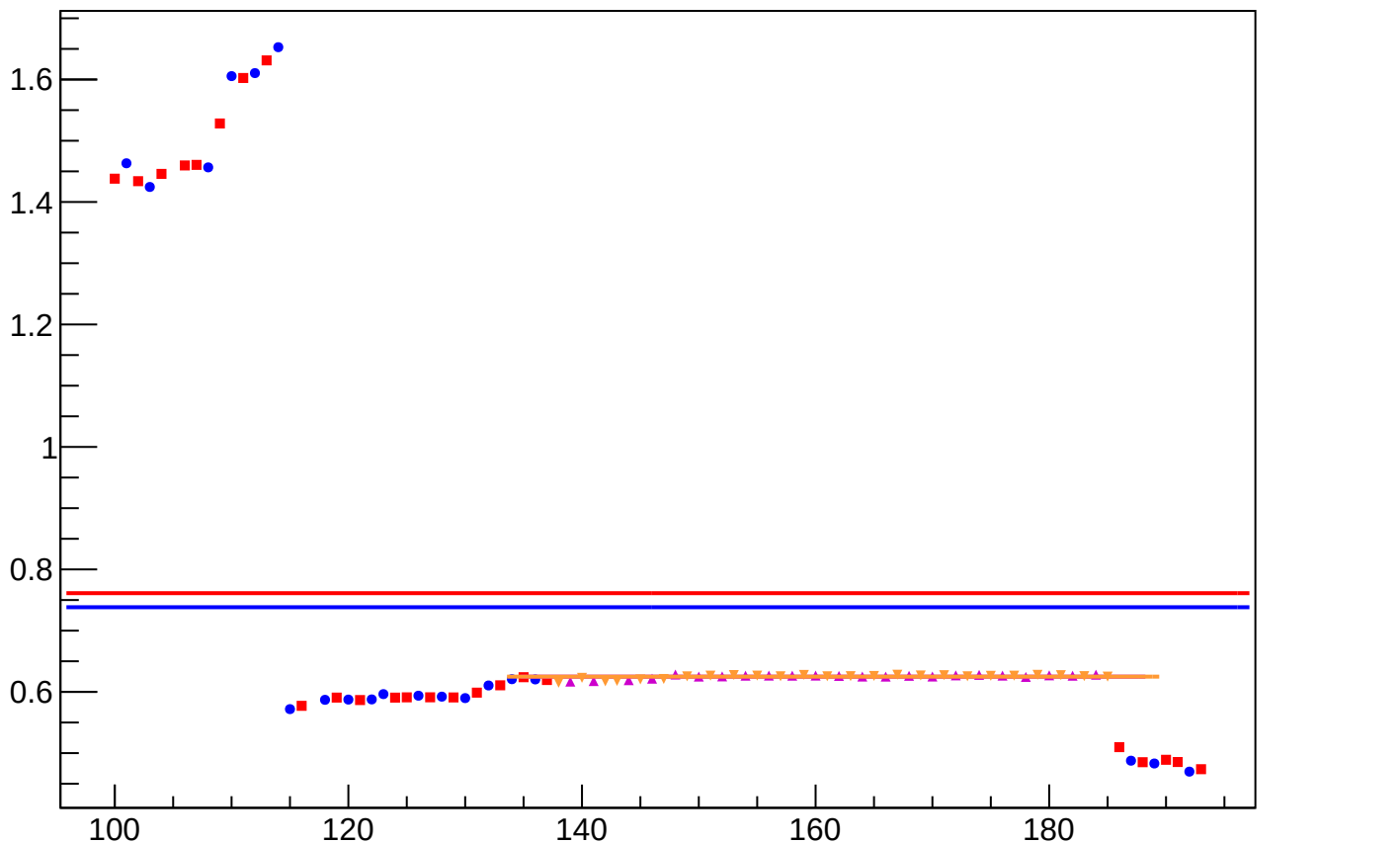
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:656155.9/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2863683.2/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 6899180.1/91

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 4014493.0/46

yield_bpm4aY_mean vs Slug



Right In: 0.738 $\pm$ 0.000 χ^2 /NDF: 4031853885.3/19

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.761 $\pm$ 0.000 χ^2 /NDF: 4872572260.3/23

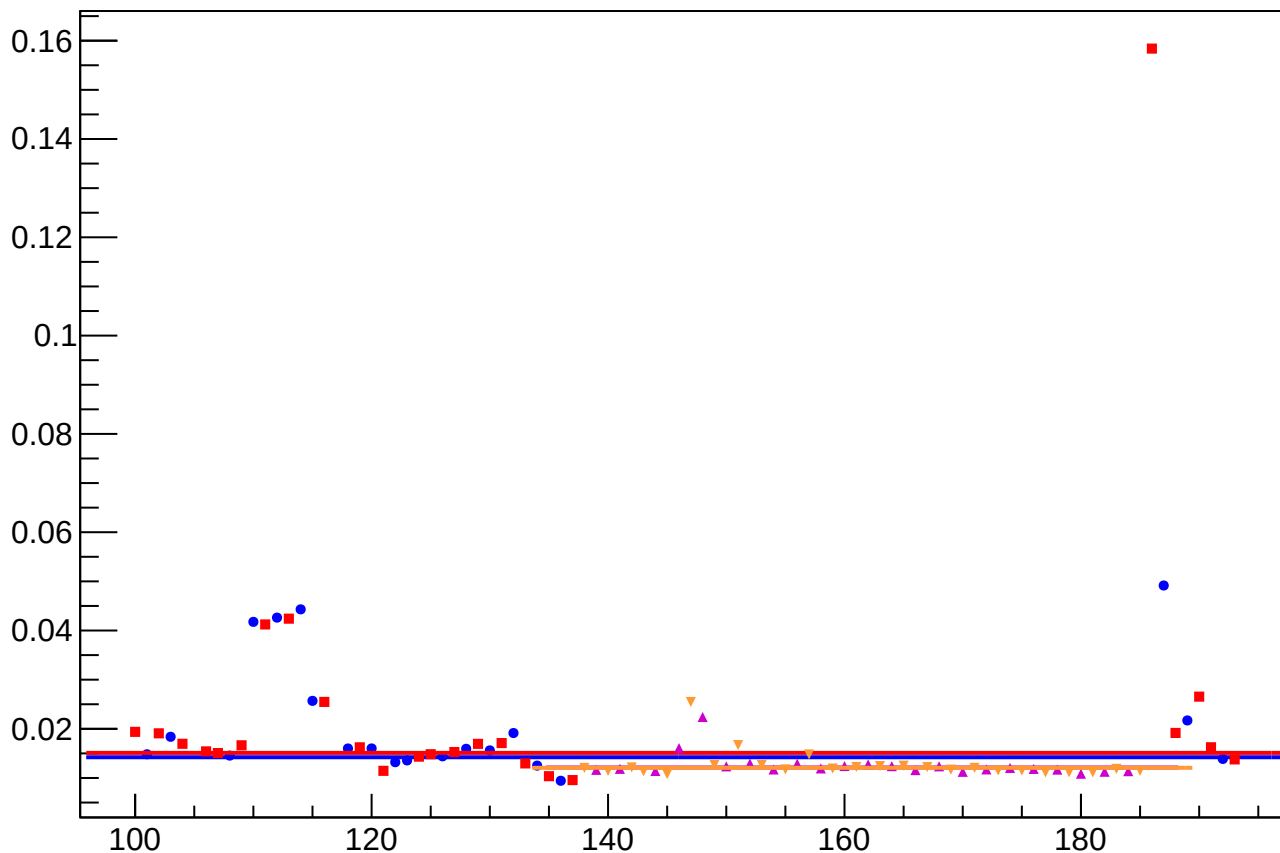
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.650 $\pm$ 0.000 χ^2 /NDF: 4374623022.2/44

All: 0.653 $\pm$ 0.000 χ^2 /NDF: 9751189558.5/91

- sign 0.657 $\pm$ 0.000 χ^2 /NDF: 5372689874.6/46

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1627381.3/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2048923.2/23

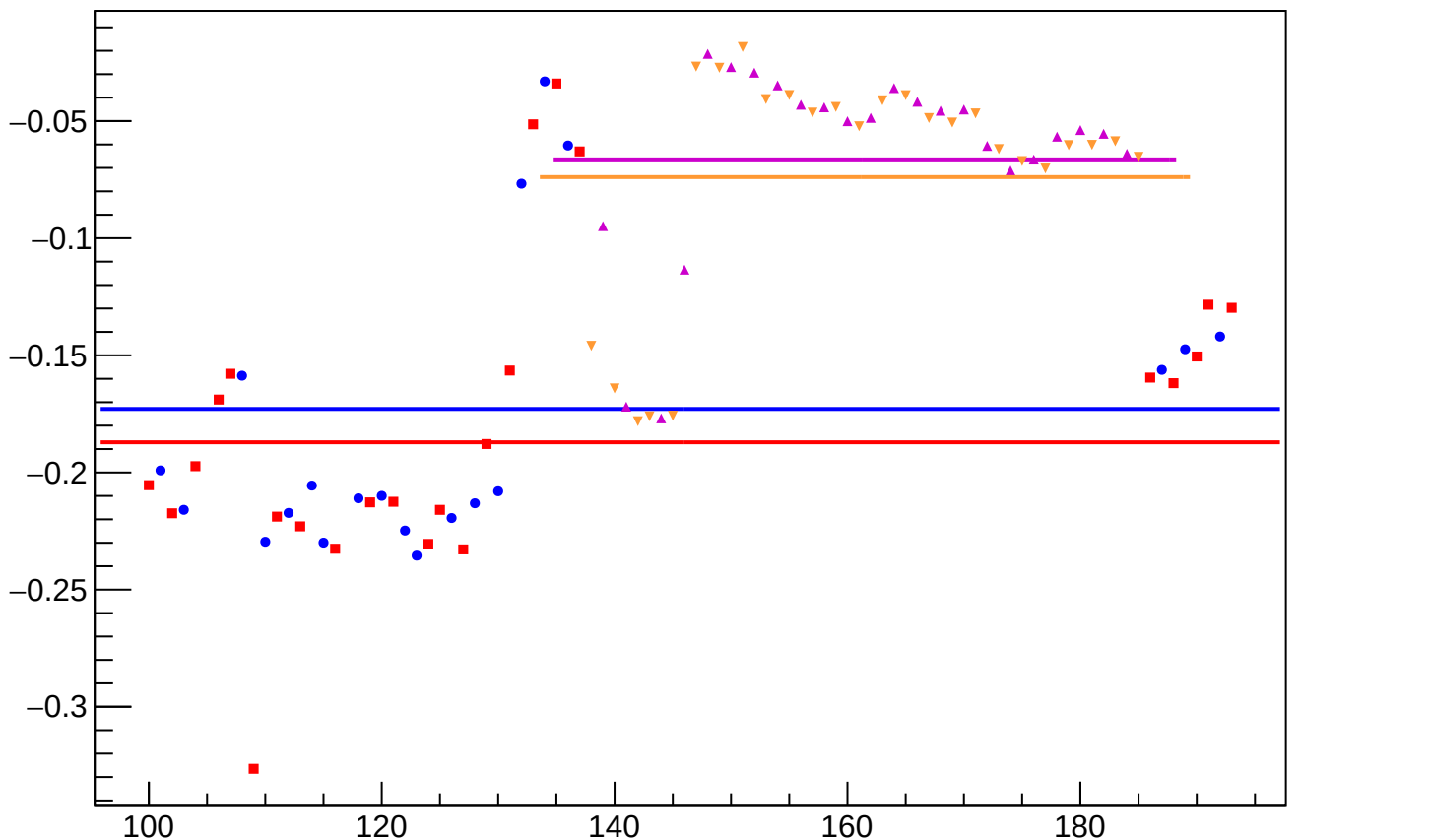
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2528819.1/44

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5552588.0/91

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3010862.8/46

yield_bpm4eX_mean vs Slug



Right In: -0.173+/-0.000 χ^2/NDF : 67155655.5/19

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.187+/-0.000 χ^2/NDF : 82671419.2/23

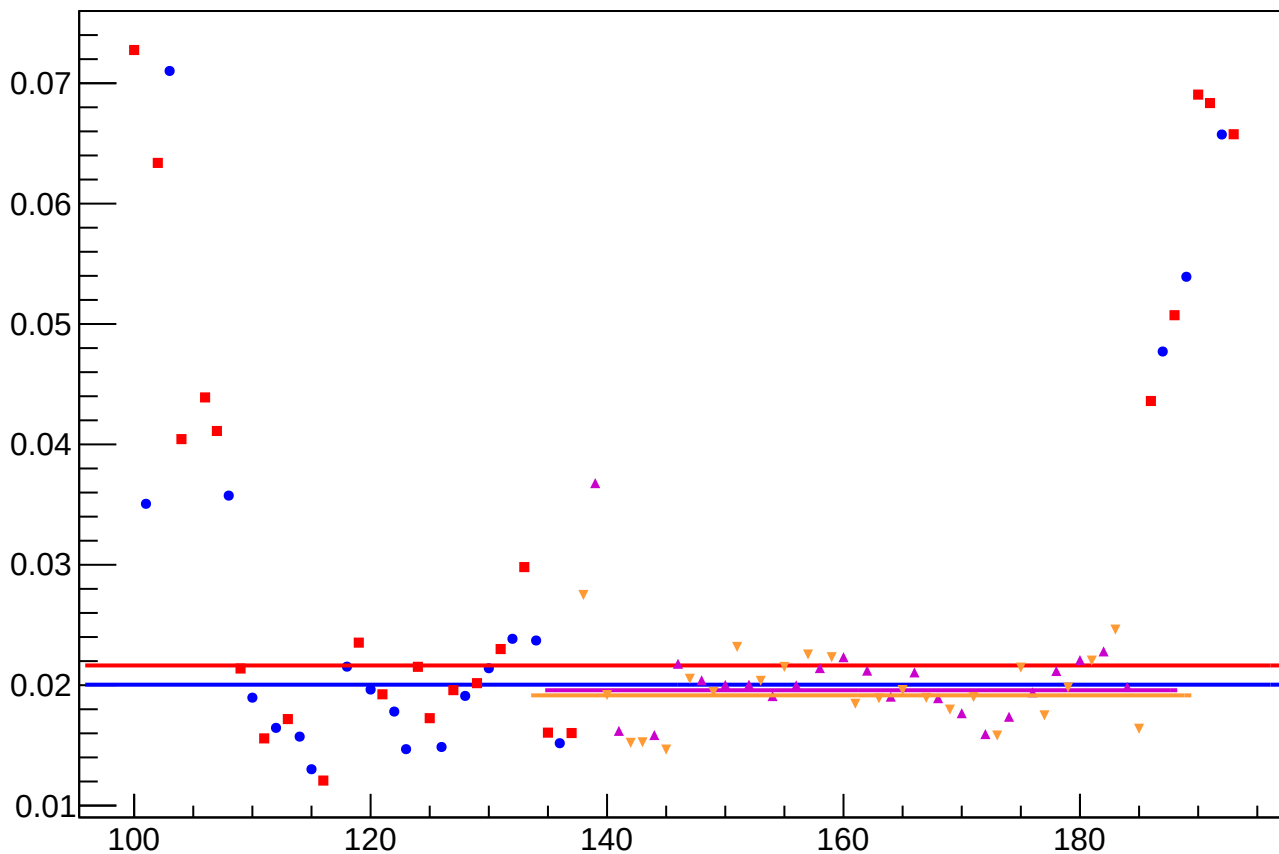
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.099+/-0.000 χ^2/NDF : 278683436.7/44

All: -0.099+/-0.000 χ^2/NDF : 587746691.9/91

- sign -0.100+/-0.000 χ^2/NDF : 309061923.0/46

yield_bpm4eX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 2533729.0/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641027.3/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 3488412.1/23

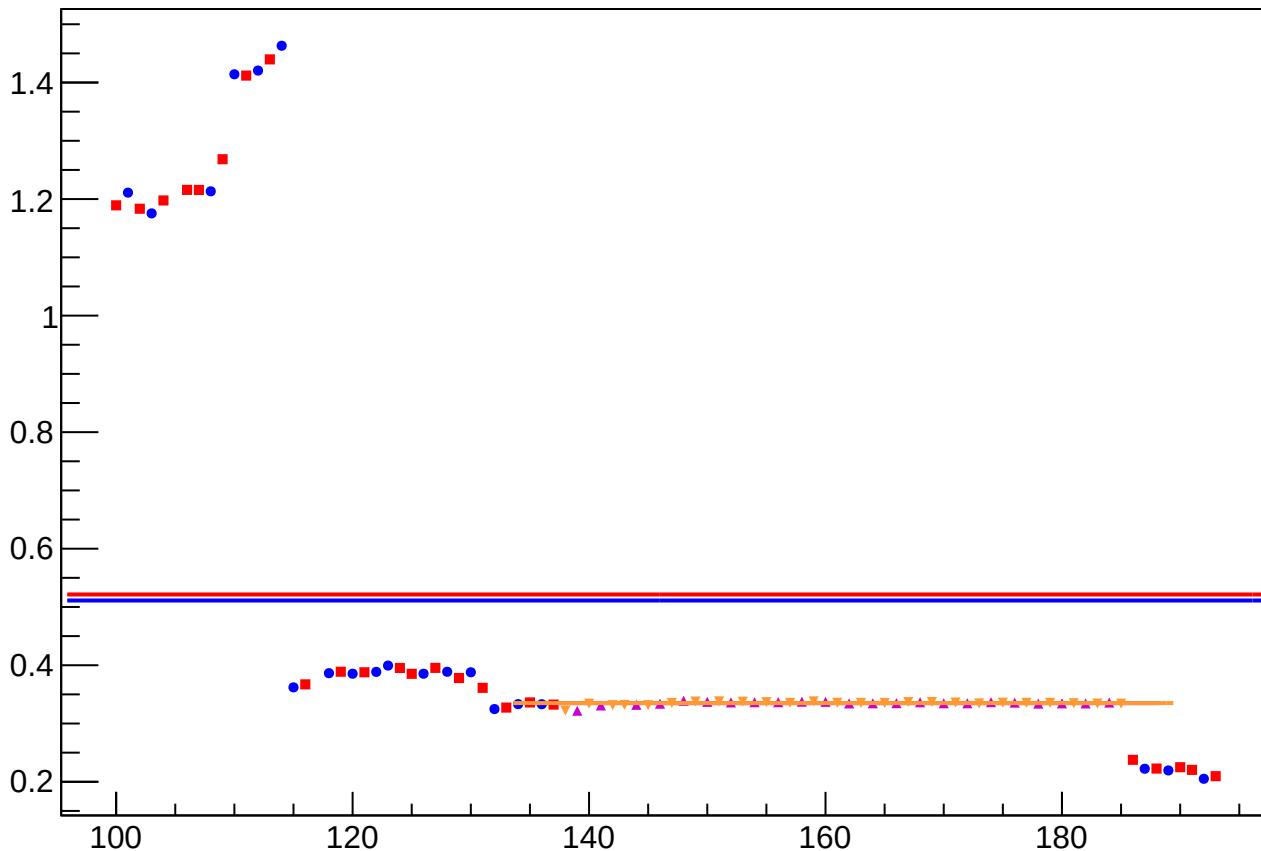
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651328.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3191395.9/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 7449590.8/91

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4227003.1/46

yield_bpm4eY_mean vs Slug



Right In: 0.511+/-0.000 χ^2/NDF : 5776798379.7/19

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.521+/-0.000 χ^2/NDF : 6736291120.8/23

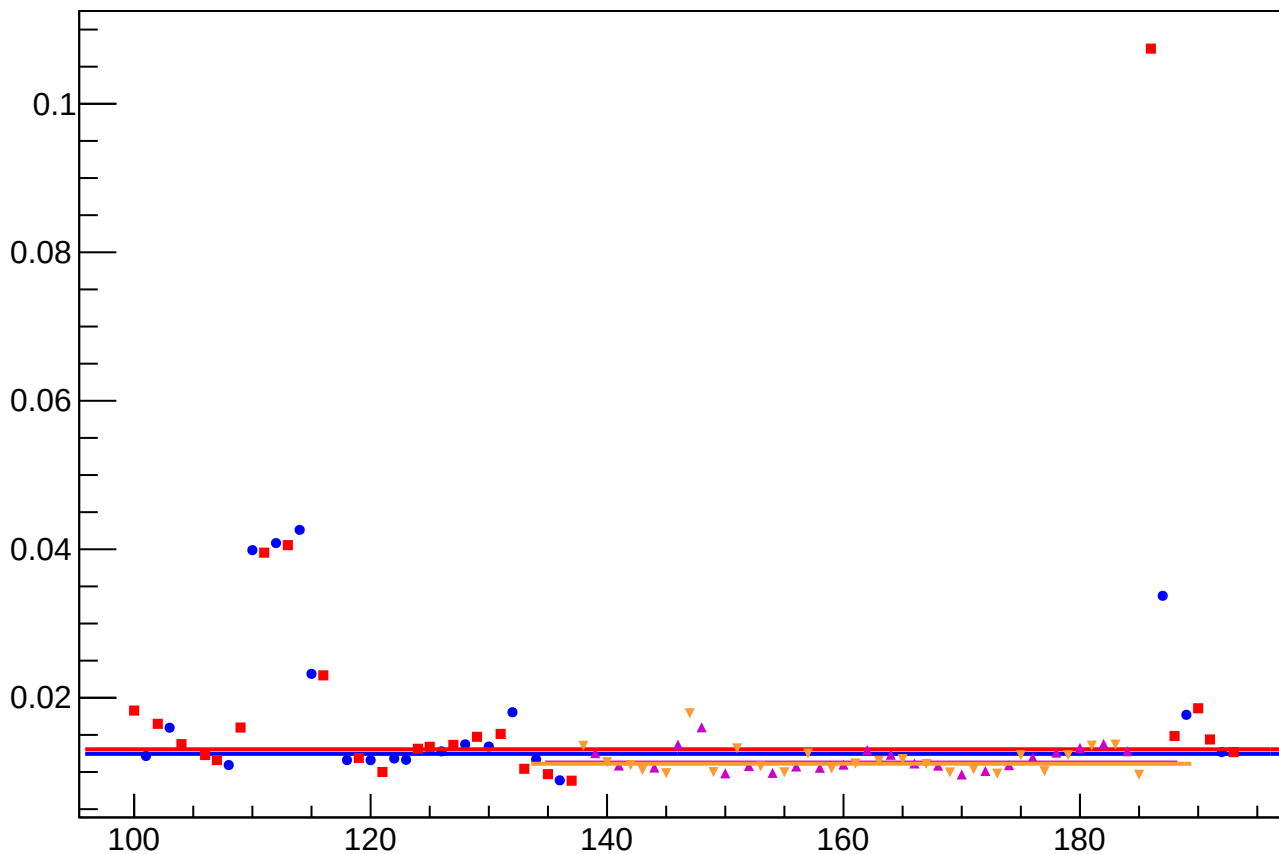
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.377+/-0.000 χ^2/NDF : 6829852504.6/44

All: 0.381+/-0.000 χ^2/NDF : 14770879419.4/9

- sign 0.384+/-0.000 χ^2/NDF : 7936686031.8/46

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1493493.2/19

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1915330.5/23

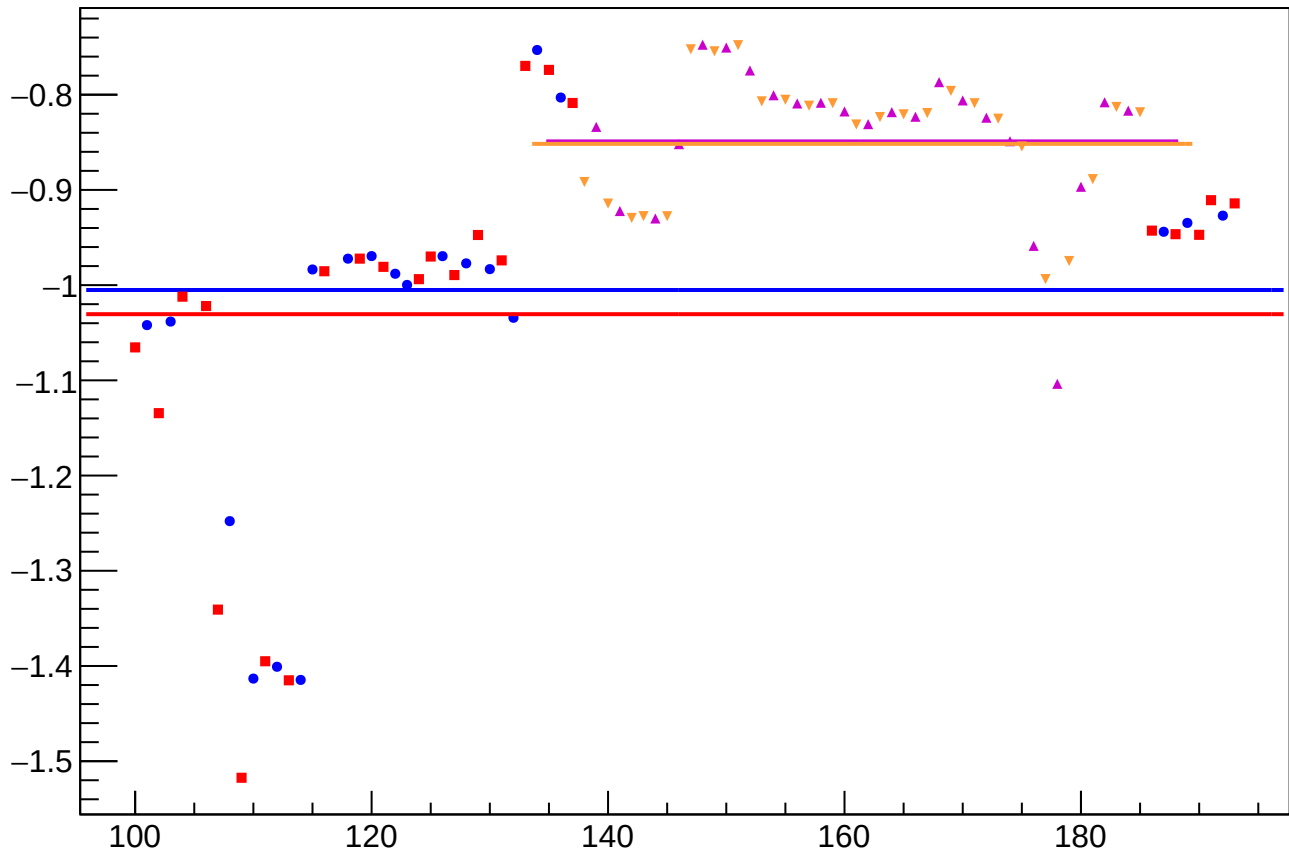
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502226.7/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2222201.7/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4878537.7/91

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2638728.2/46

yield_bpm4acX_mean vs Slug



Right In: -1.005 ± 0.000 χ^2/NDF : 395592217.4/19

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.031 ± 0.000 χ^2/NDF : 543011357.9/23

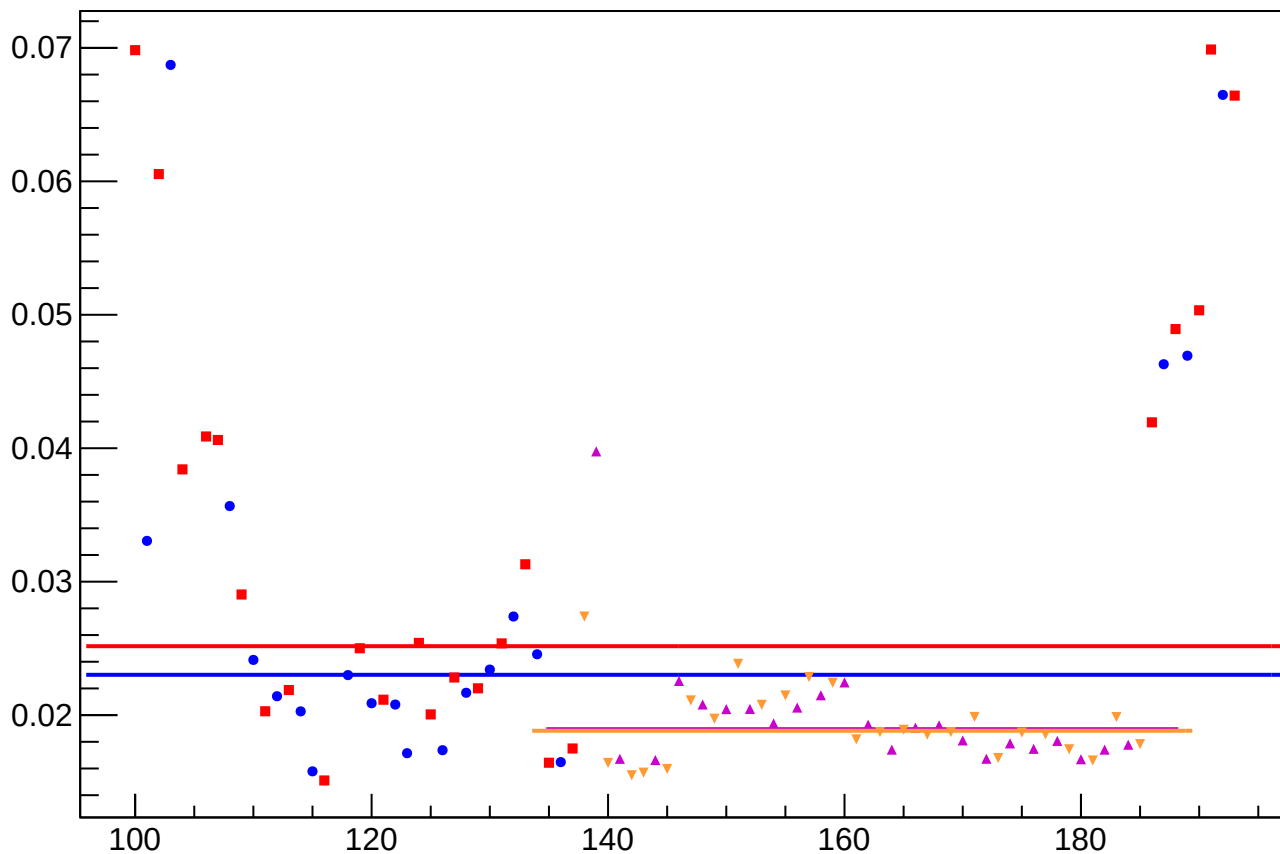
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792772974.6/44

All: -0.886 ± 0.000 χ^2/NDF : 1876972582.3/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083524616.0/46

yield_bpm4acX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 2075419.3/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490084.5/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 2688602.4/23

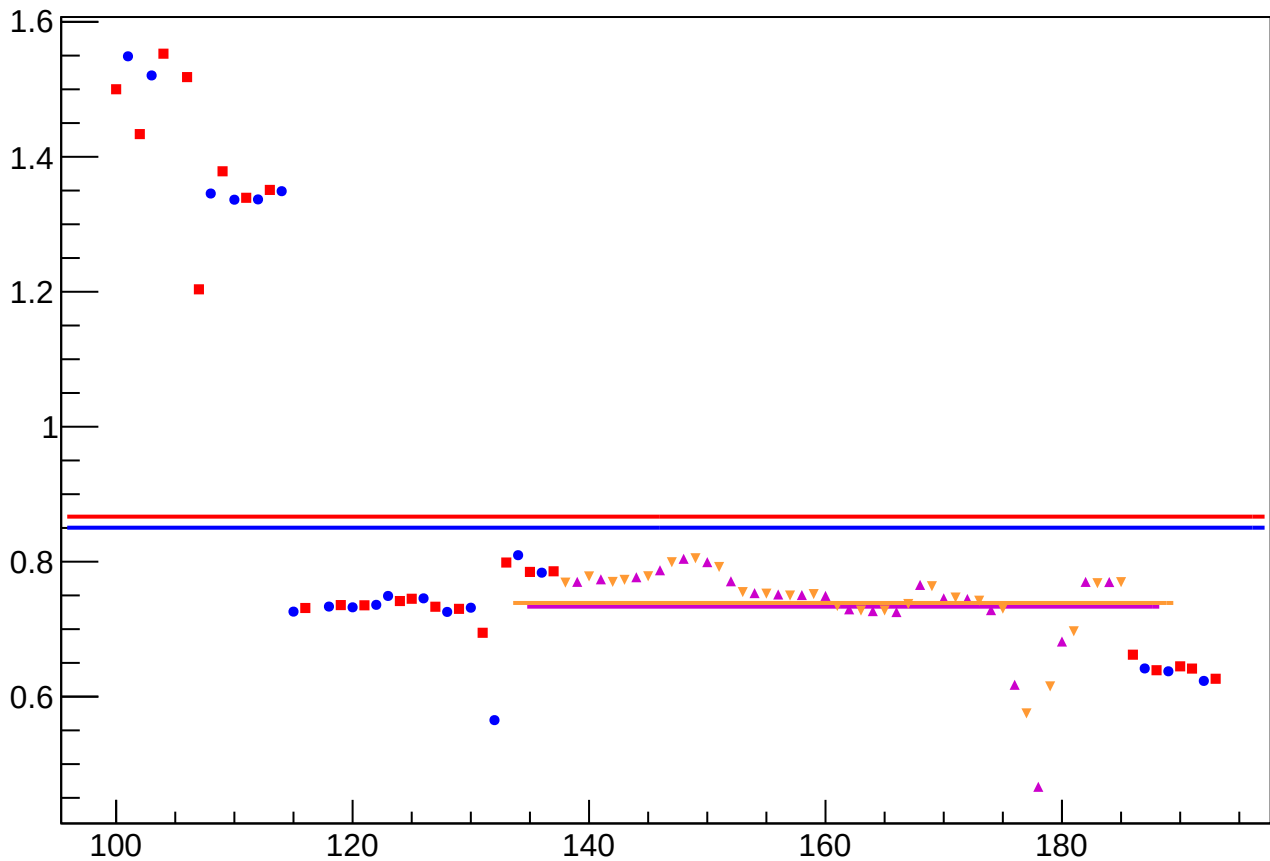
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:645048.1/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2875883.5/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 6895325.7/91

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4000264.8/46

yield_bpm4acY_mean vs Slug



Right In: 0.850+/-0.000 χ^2/NDF : 2727924894.2/19

Left Out: 0.739+/-0.000 χ^2/NDF : 333086309.0/24

Right Out: 0.867+/-0.000 χ^2/NDF : 2929717313.3/23

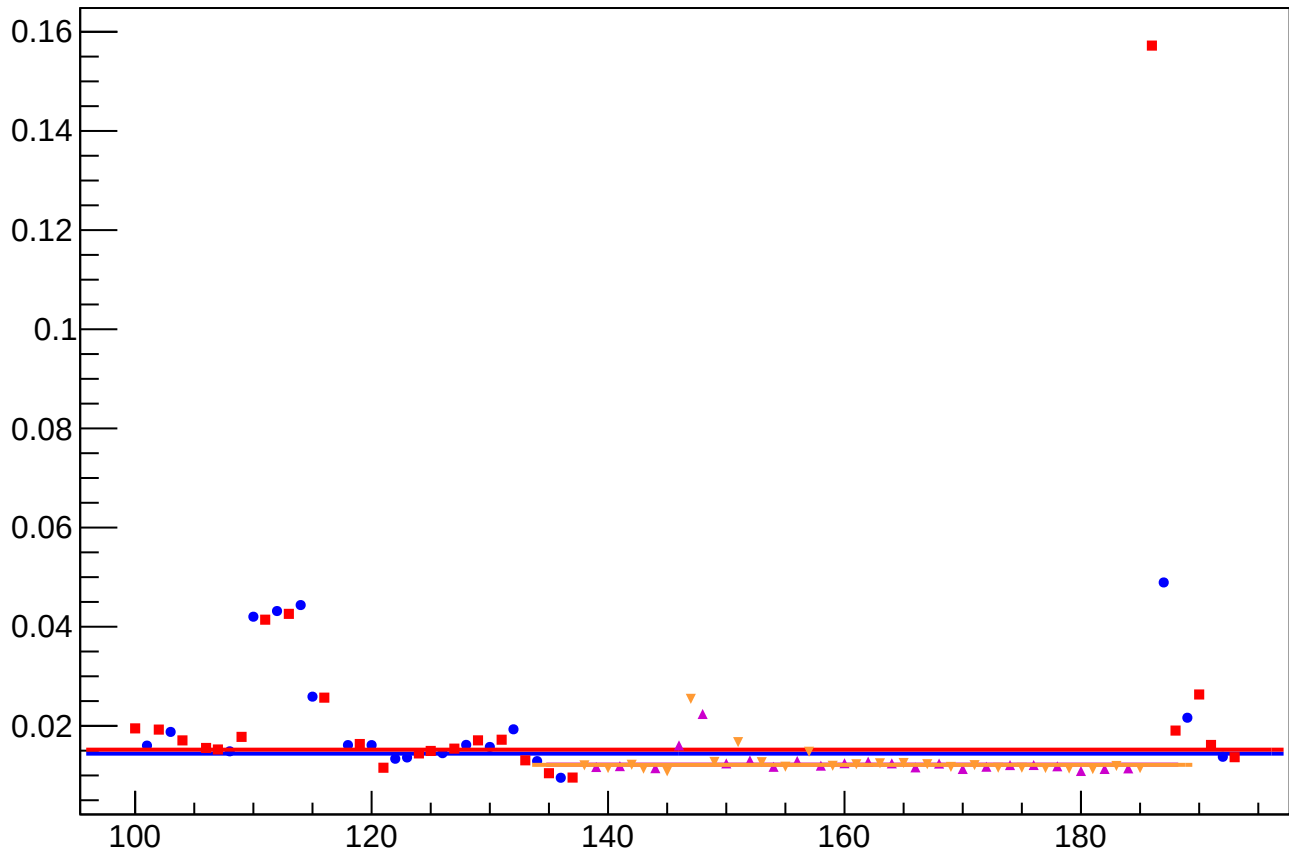
Left In: 0.733+/-0.000 χ^2/NDF : 570264411.7/22

+ sign 0.763+/-0.000 χ^2/NDF : 3383108753.3/44

All: 0.764+/-0.000 χ^2/NDF : 7354237520.3/91

- sign 0.765+/-0.000 χ^2/NDF : 3970936050.2/46

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1632047.0/19

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2047970.2/23

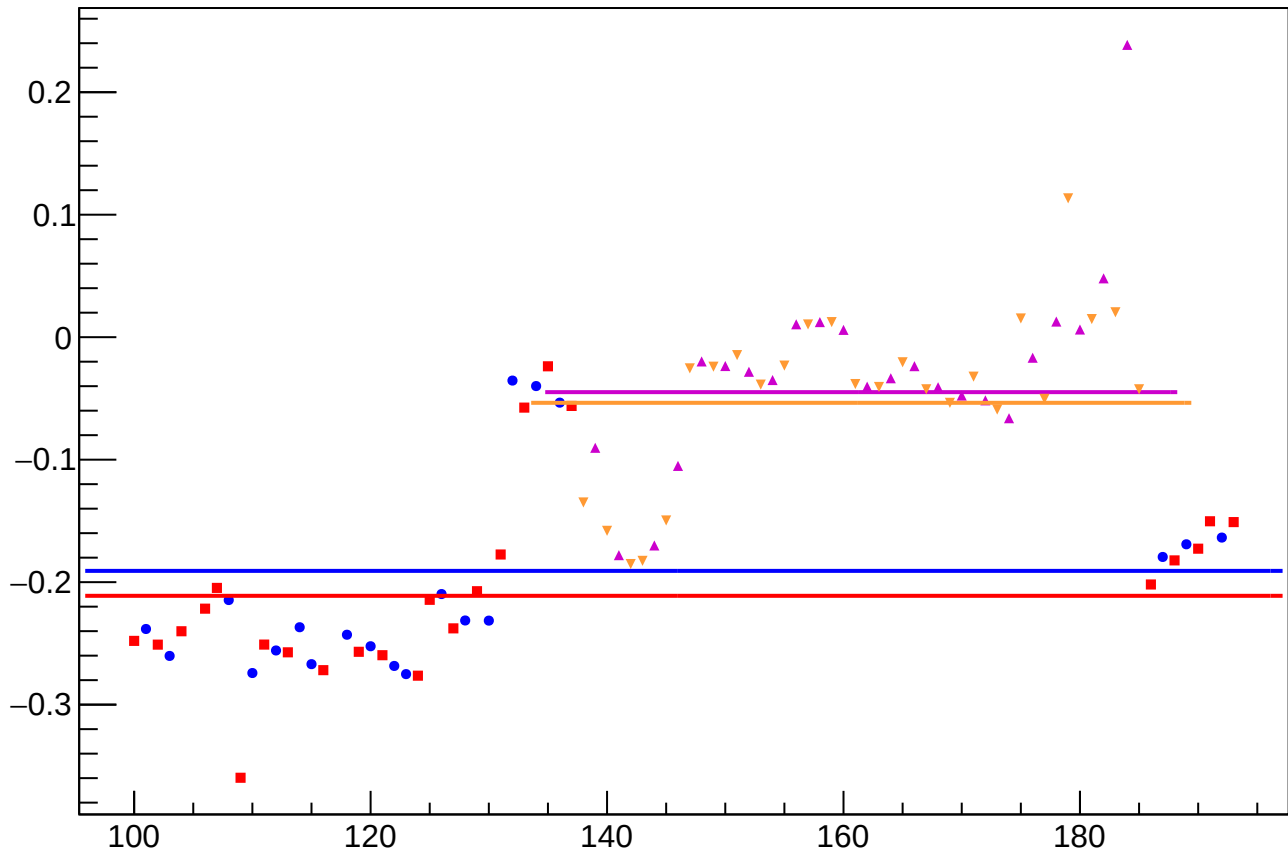
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 2534190.5/44

All: 0.013+/-0.000 χ^2/NDF : 5554910.7/91

- sign 0.013+/-0.000 χ^2/NDF : 3010118.0/46

yield_bpm4ecX_mean vs Slug



Right In: -0.191+/-0.000 χ^2/NDF : 106186093.6/19

Left Out: -0.054+/-0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.211+/-0.000 χ^2/NDF : 110822142.8/23

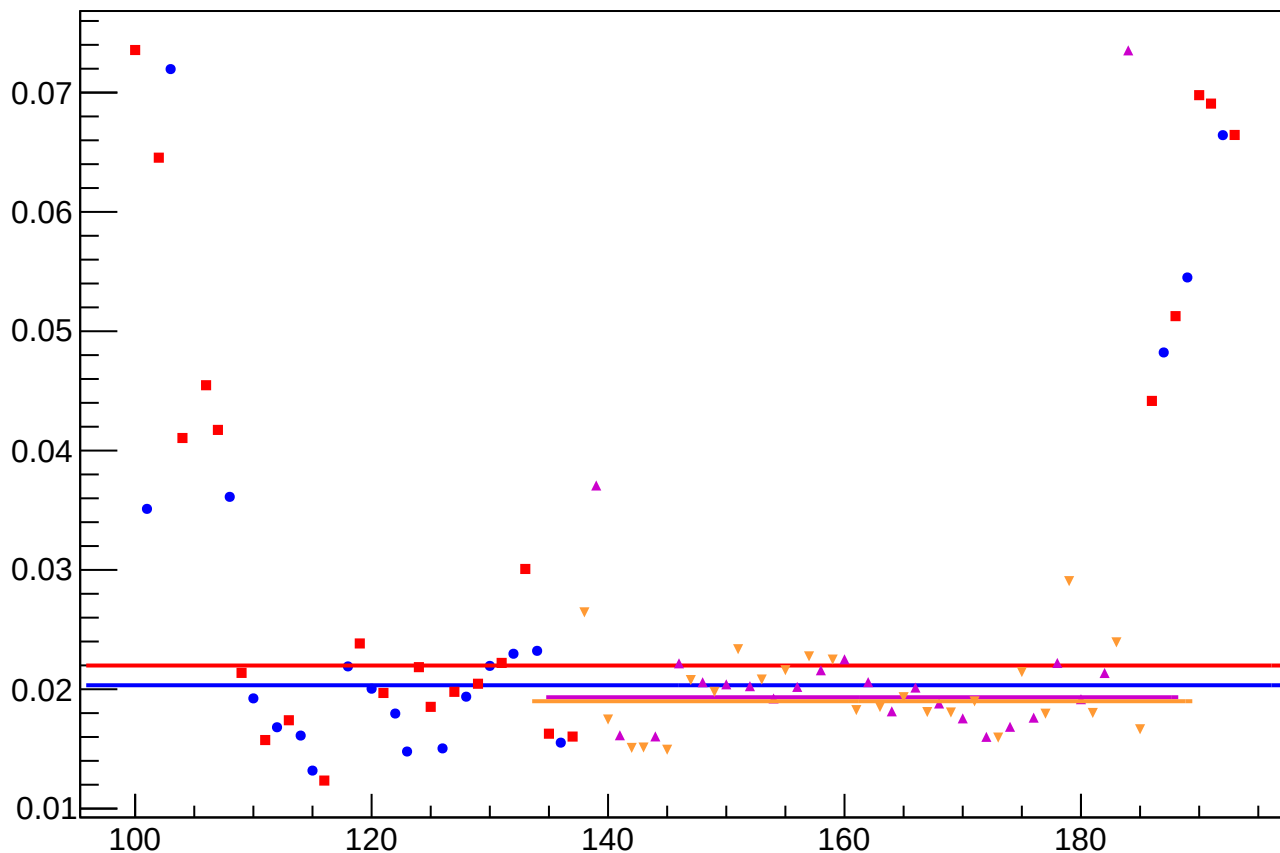
Left In: -0.045+/-0.000 χ^2/NDF : 127324000.1/22

+ sign -0.089+/-0.000 χ^2/NDF : 468569769.9/44

All: -0.089+/-0.000 χ^2/NDF : 984497557.7/91

- sign -0.090+/-0.000 χ^2/NDF : 515894445.8/46

yield_bpm4ecX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 2499822.5/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:699267.5/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 3467652.3/23

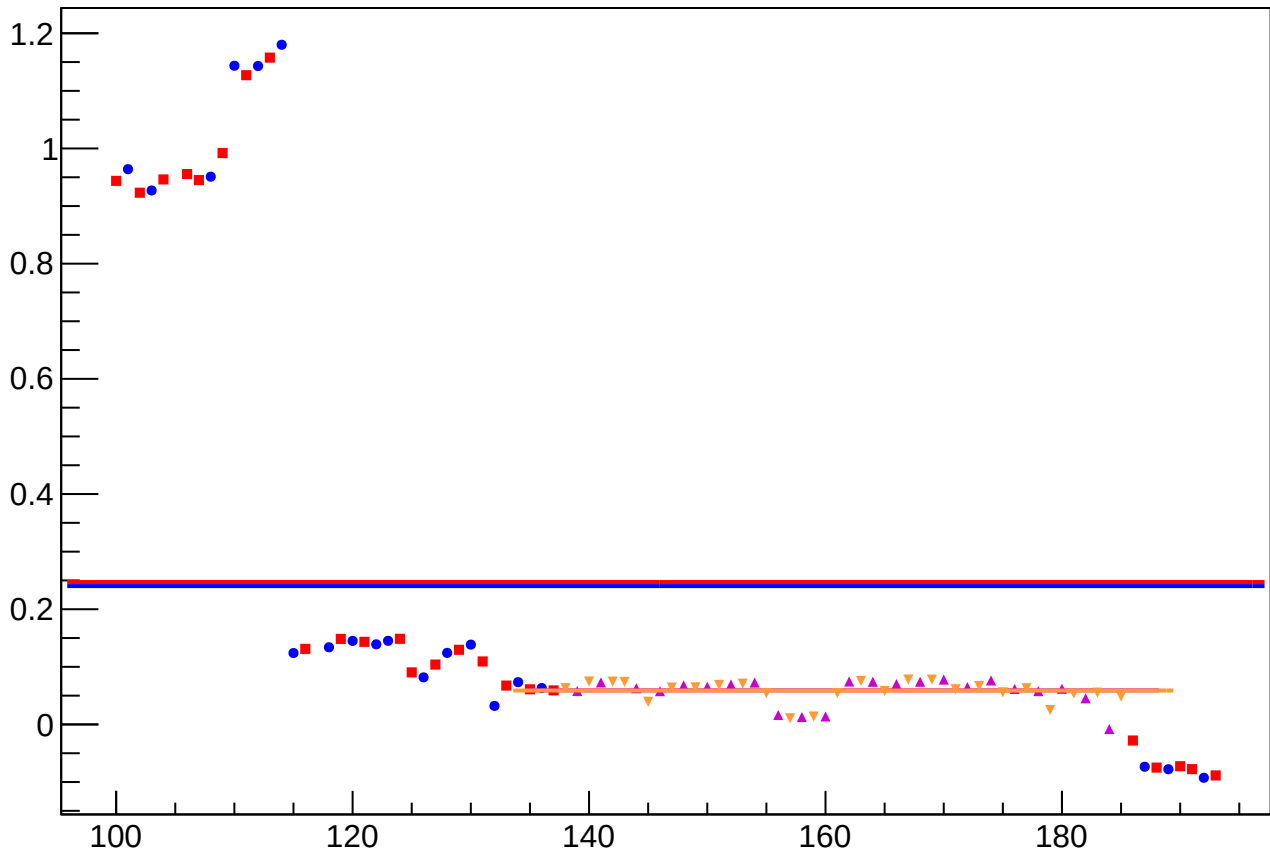
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3236068.8/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 7765024.7/91

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4502485.5/46

yield_bpm4ecY_mean vs Slug



Right In: 0.240 $\pm$ 0.000 χ^2 /NDF: 6073363266.0/19

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

+ sign 0.102 $\pm$ 0.000 χ^2 /NDF: 7254163313.8/44

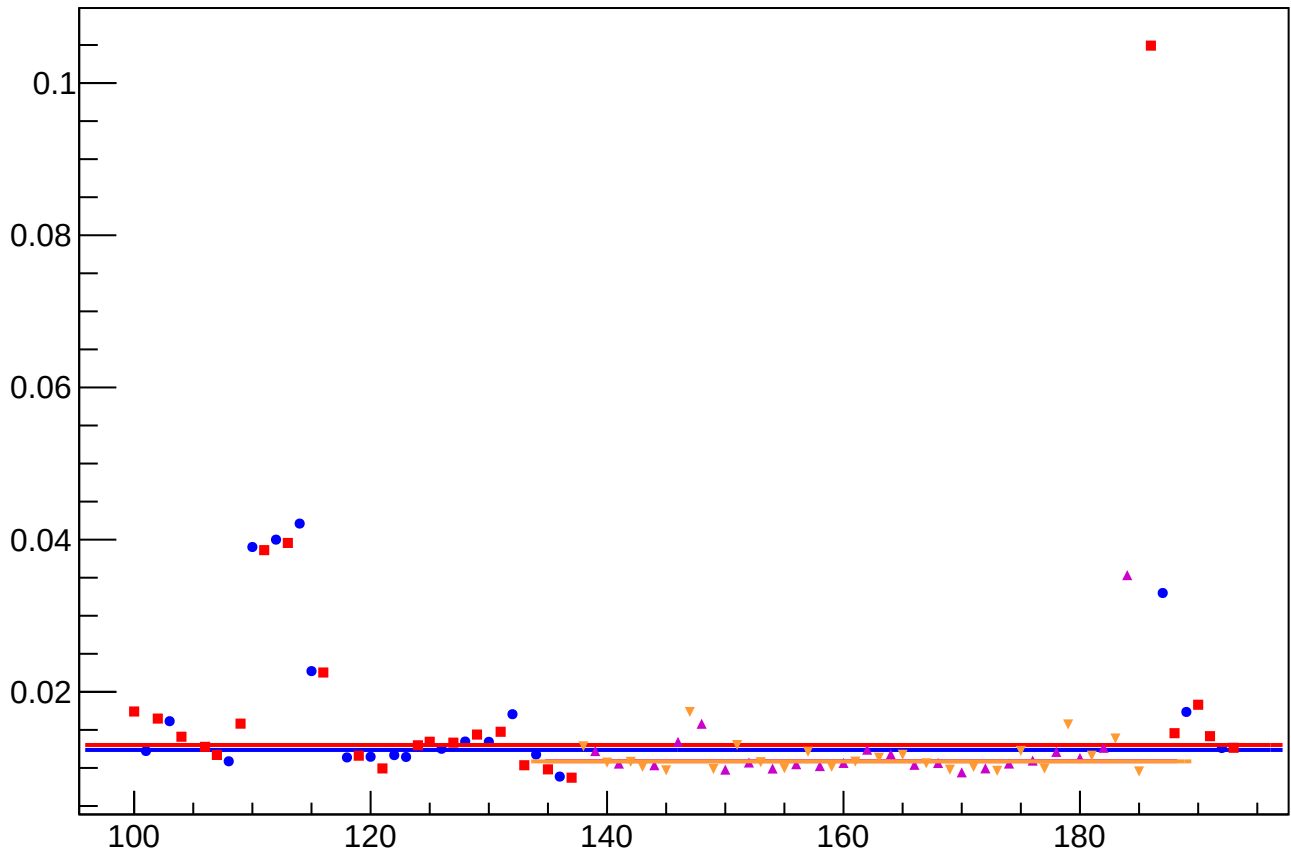
Right Out: 0.247 $\pm$ 0.000 χ^2 /NDF: 6915571053.9/23

All: 0.105 $\pm$ 0.000 χ^2 /NDF: 15473488006.5/9

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

- sign 0.107 $\pm$ 0.000 χ^2 /NDF: 8216827416.9/46

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1459953.2/19

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1870394.4/23

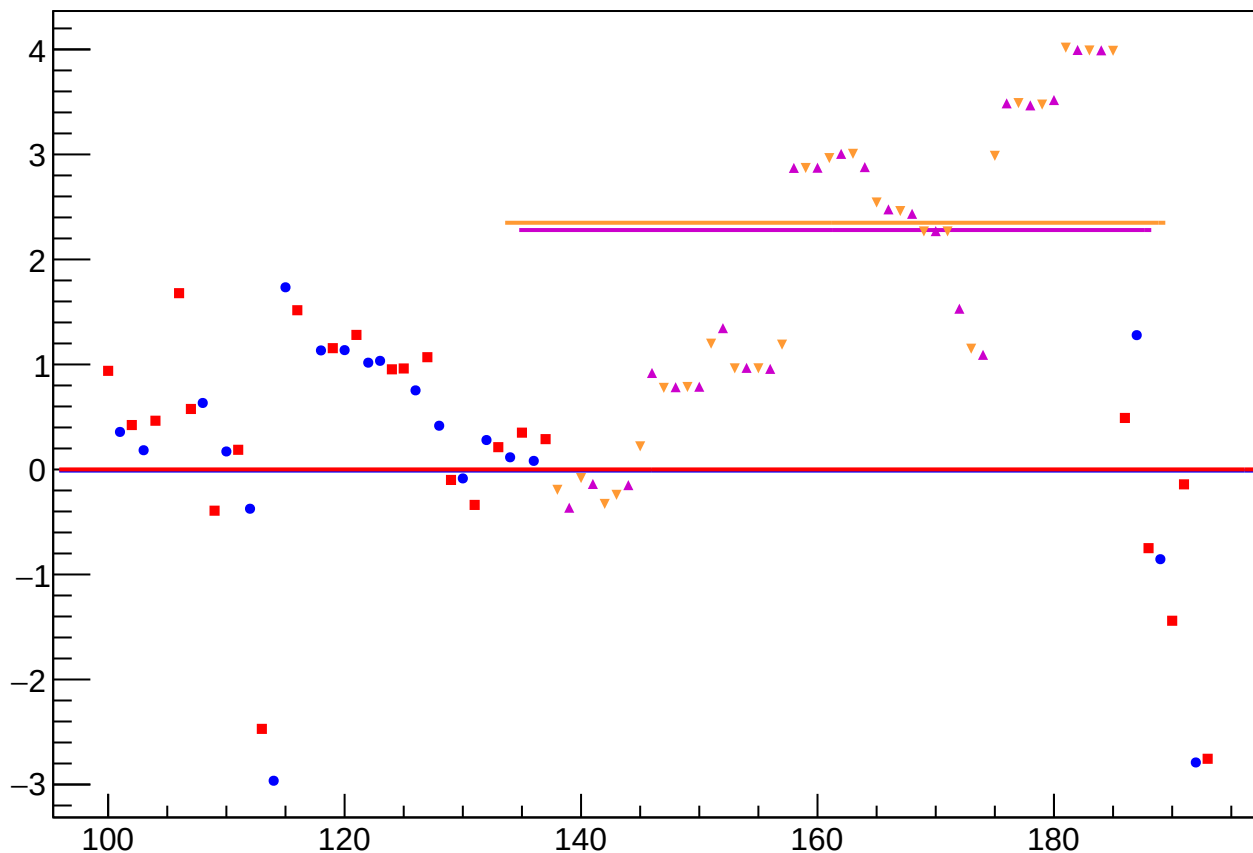
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 2220525.8/44

All: 0.011+/-0.000 χ^2/NDF : 4946943.3/91

- sign 0.011+/-0.000 χ^2/NDF : 2717842.2/46

yield_bpm1X_mean vs Slug



Right In: -0.011 ± 0.000 χ^2/NDF : 2535341168.7/19

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: 0.001 ± 0.000 χ^2/NDF : 3108141238.4/23

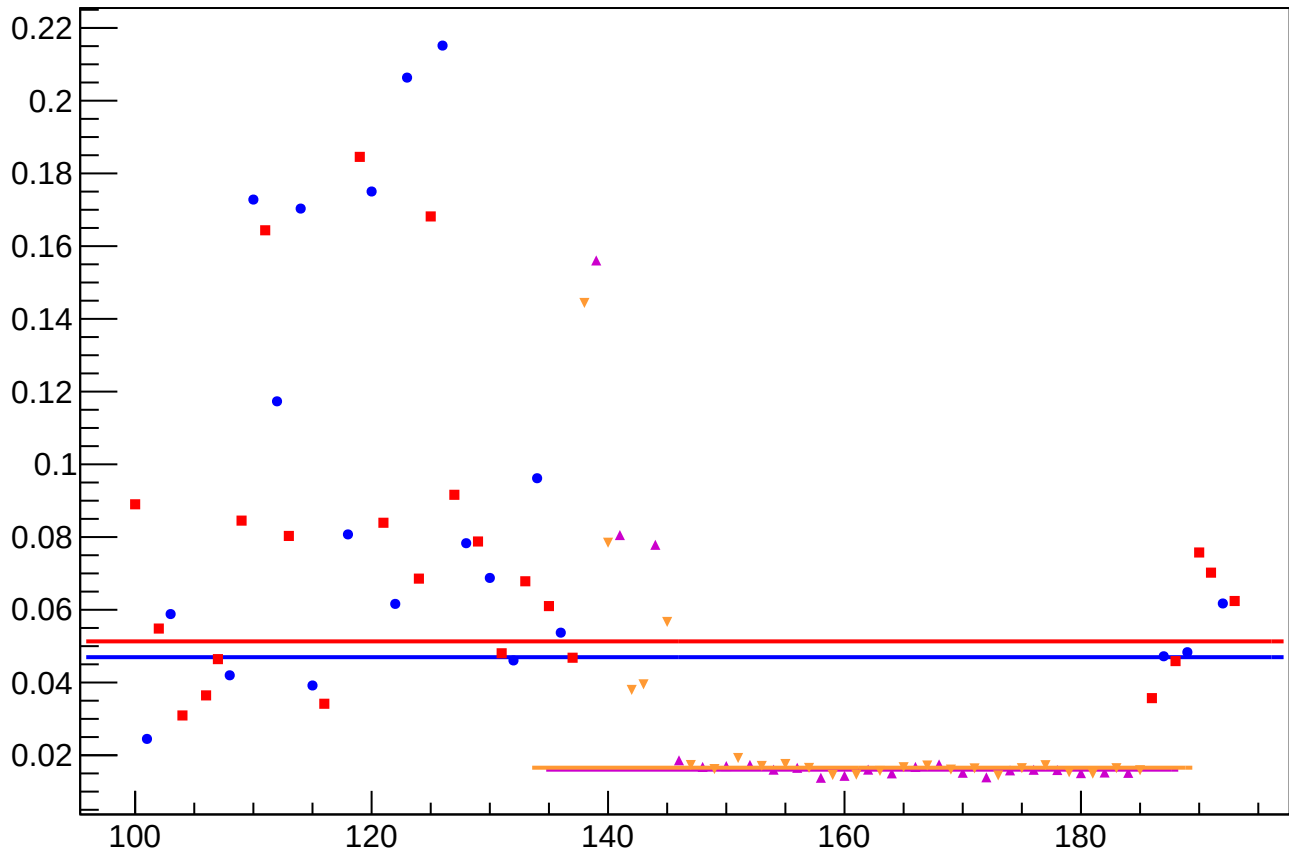
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.252 ± 0.000 χ^2/NDF : 77873344744.7/44

All: 2.215 ± 0.000 χ^2/NDF : 154565914782.9

- sign 2.179 ± 0.000 χ^2/NDF : 76549122824.4/46

yield_bpm1X_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 2890396.2/19

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.051 $\pm$ 0.000 χ^2 /NDF: 2479002.2/23

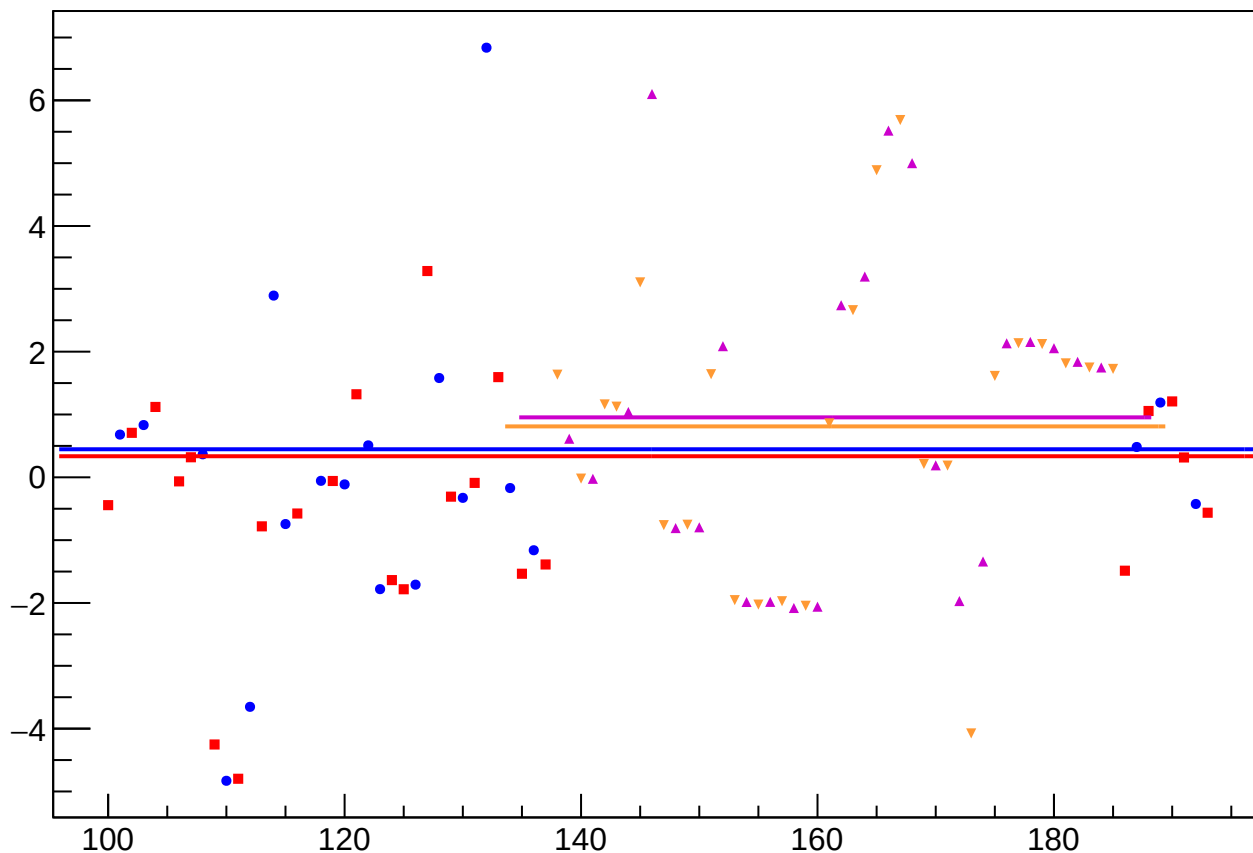
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 9407099.6/44

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 20100824.6/91

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 10690669.1/46

yield_bpm1Y_mean vs Slug



Right In: 0.447 ± 0.000 χ^2/NDF : 13728449066.0/19

Left Out: 0.810 ± 0.000 χ^2/NDF : 507583198570.2/24

Right Out: 0.336 ± 0.000 χ^2/NDF : 7569451100.1/23

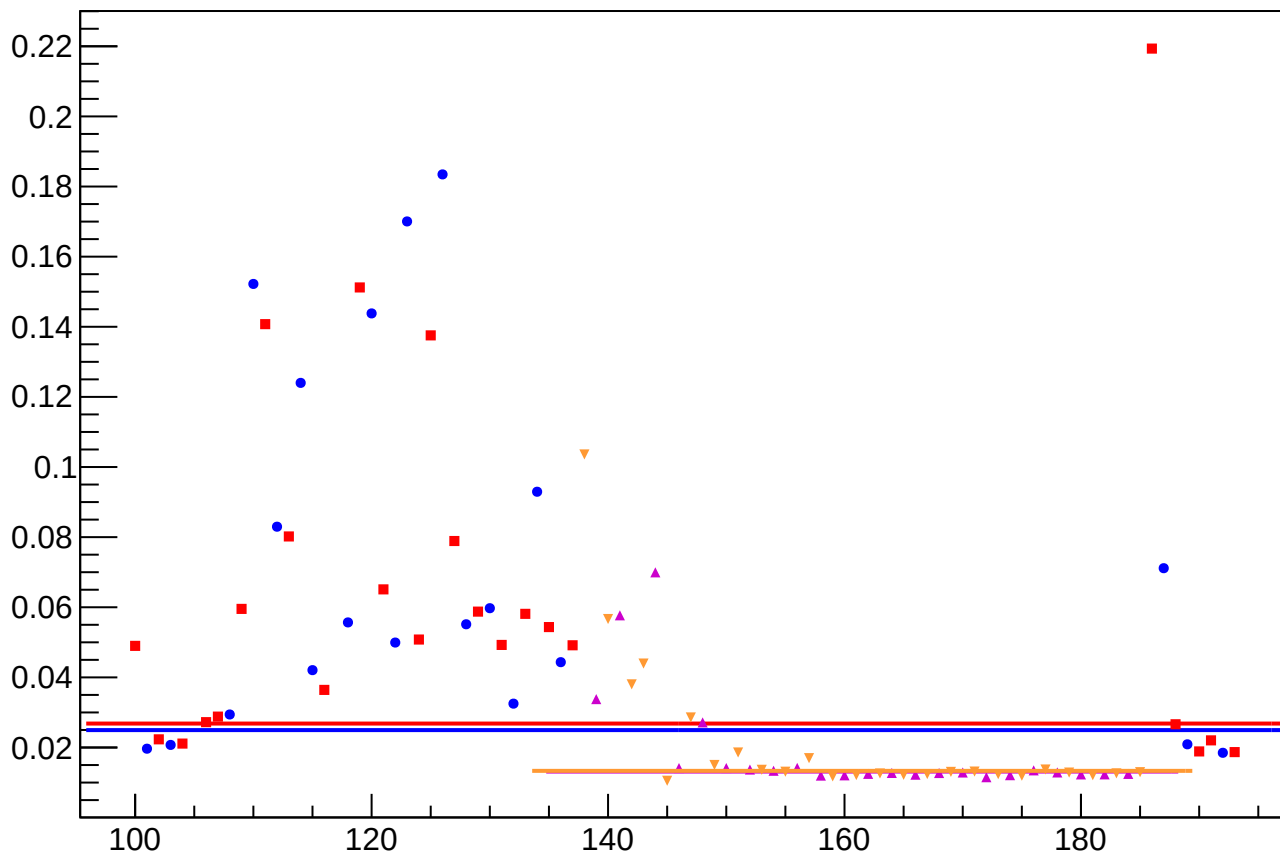
Left In: 0.954 ± 0.000 χ^2/NDF : 574792794608.3/22

+ sign 0.782 ± 0.000 χ^2/NDF : 522176939024.3/44

All: 0.844 ± 0.000 χ^2/NDF : 1107882128265.

- sign 0.904 ± 0.000 χ^2/NDF : 585018026808.2/46

yield_bpm1Y_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 3457121.6/19

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 4256388.6/23

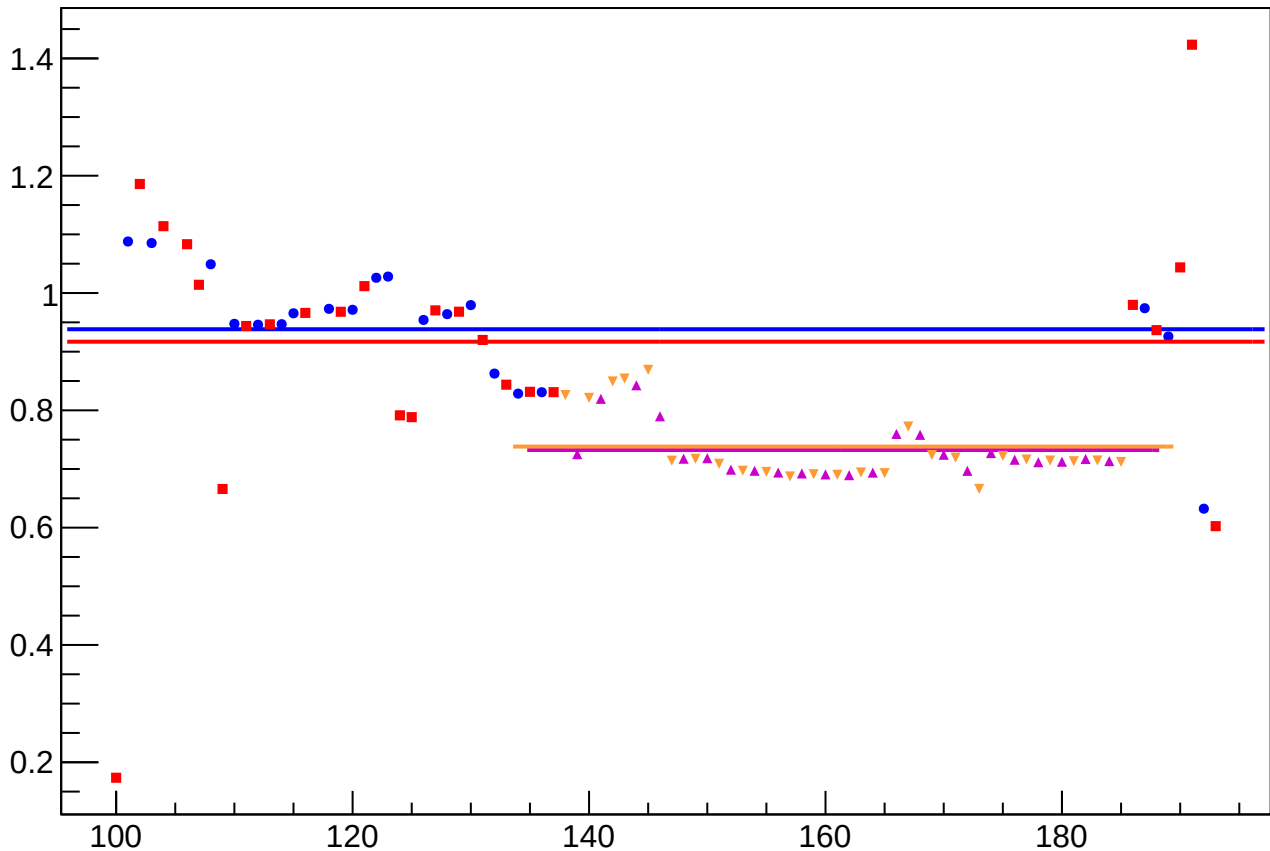
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8053870.7/44

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16881523.8/91

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8827643.2/46

yield_bpm11X_mean vs Slug



Right In: 0.938 $\pm$ 0.000 χ^2 /NDF: 298477349.9/19

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

+ sign 0.793 $\pm$ 0.000 χ^2 /NDF: 1550379428.6/44

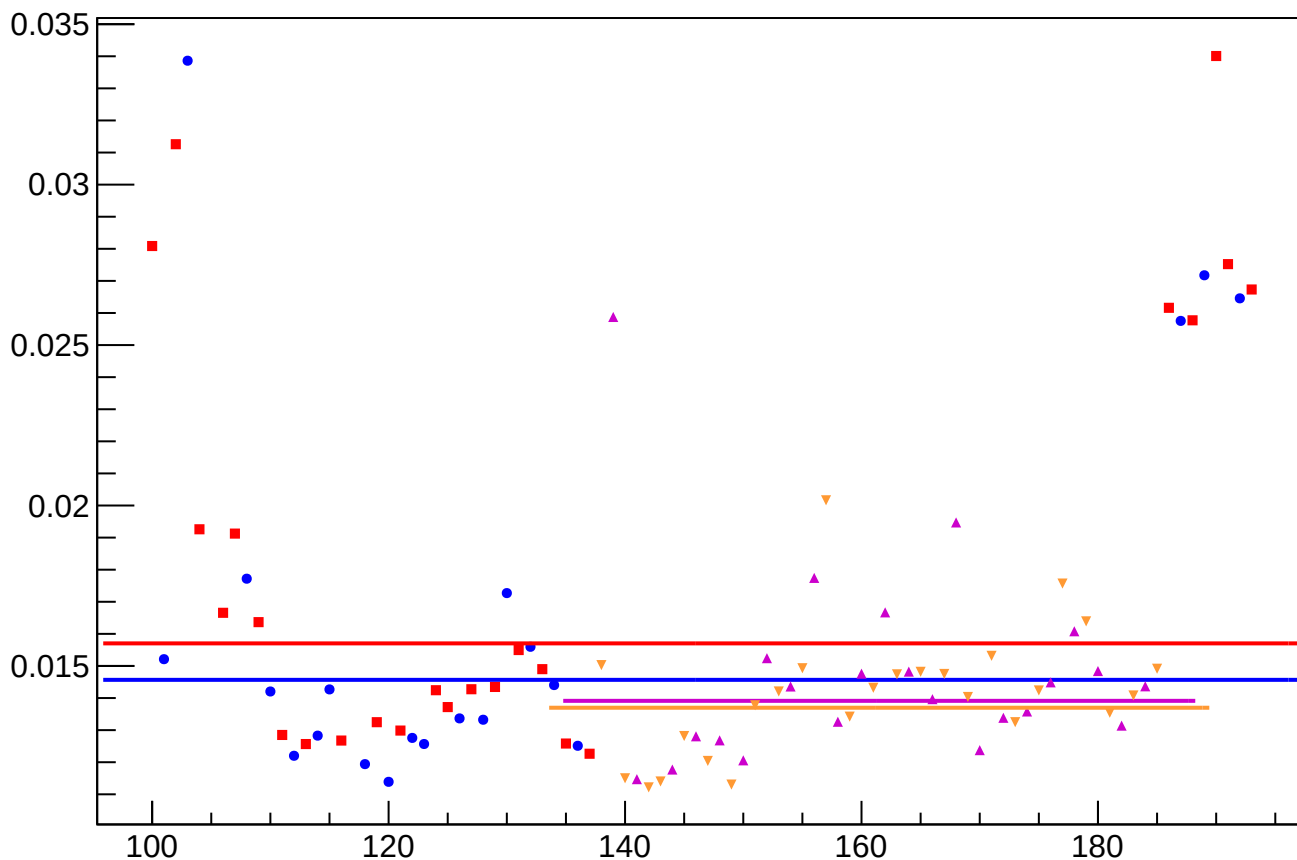
Right Out: 0.917 $\pm$ 0.000 χ^2 /NDF: 553361882.5/23

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 3068800436.1/91

- sign 0.786 $\pm$ 0.000 χ^2 /NDF: 1515582554.6/46

Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

yield_bpm11X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1164991.0/19

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 530851.9/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 1499233.8/23

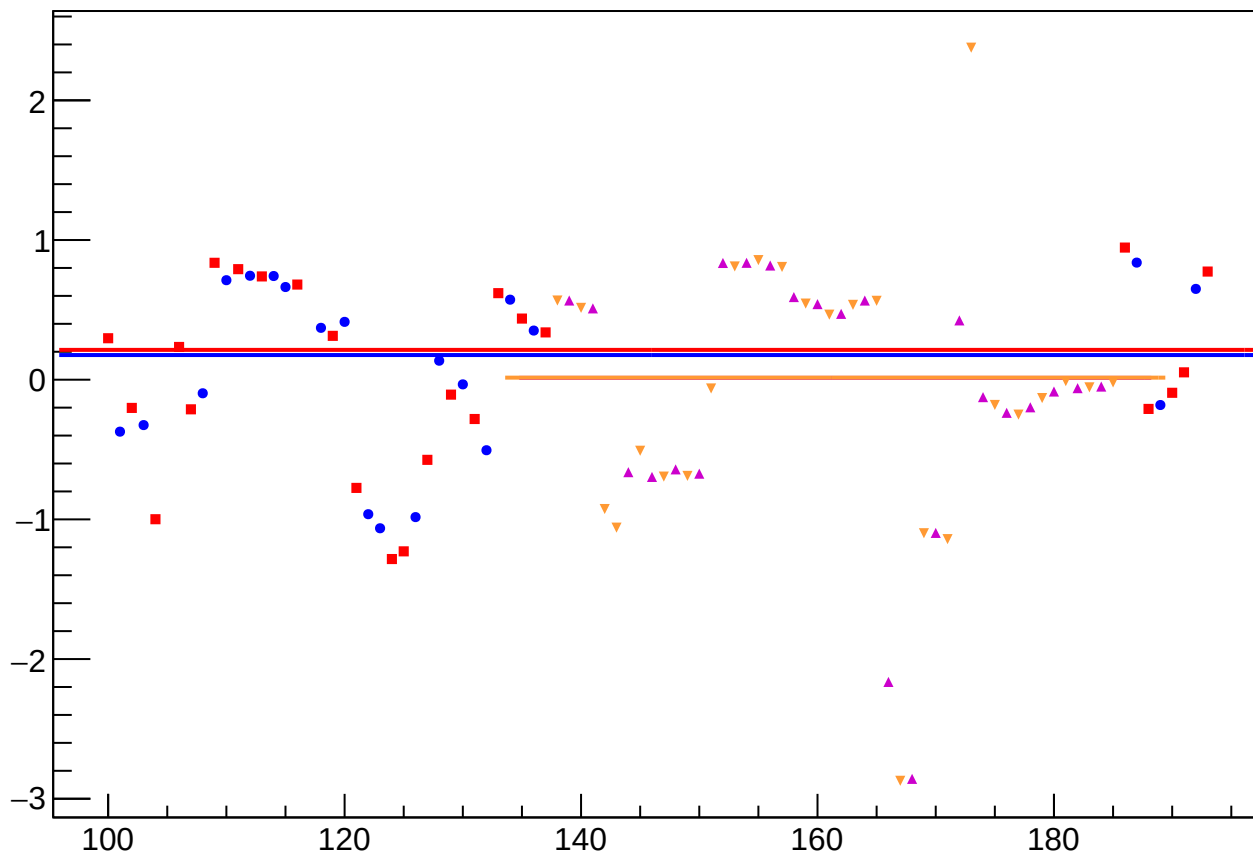
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 794558.0/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1731385.8/44

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 4202416.9/91

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 2442610.4/46

yield_bpm11Y_mean vs Slug



Right In: 0.176+/-0.000 χ^2/NDF : 9162071315.7/19

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.213+/-0.000 χ^2/NDF : 15694601949.0/23

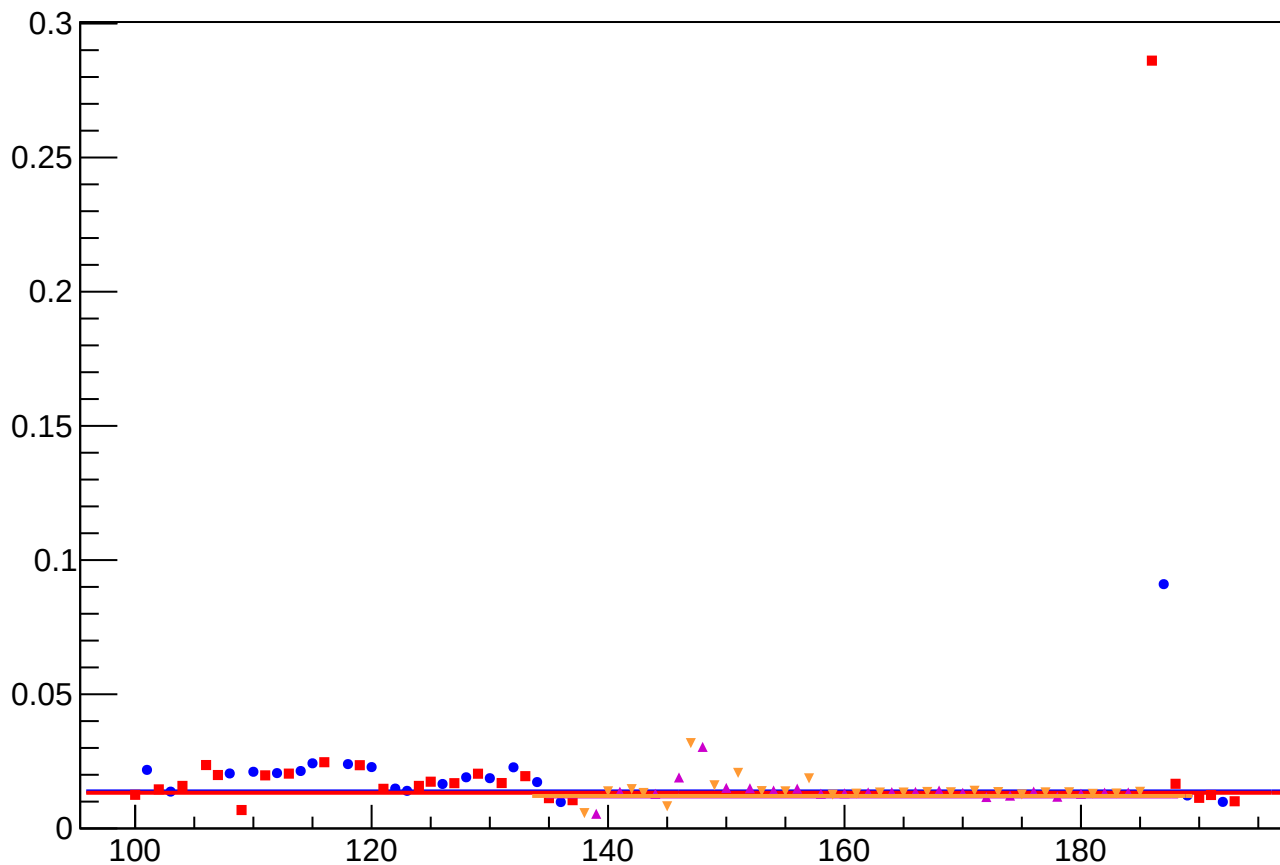
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.054+/-0.000 χ^2/NDF : 105940838857.3/44

All: 0.062+/-0.000 χ^2/NDF : 202297622101.5

- sign 0.069+/-0.000 χ^2/NDF : 96339329235.1/46

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1748900.9/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2426146.8/23

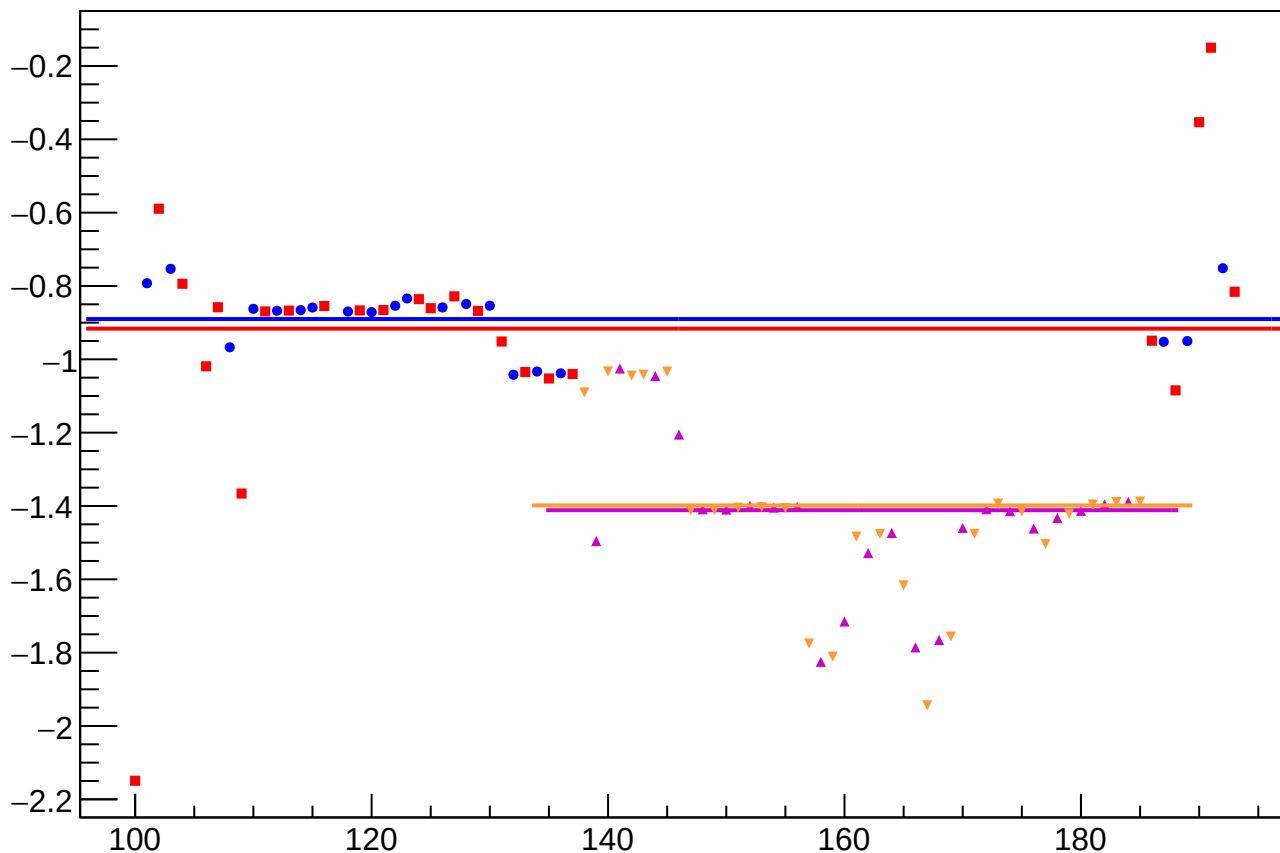
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5007908.0/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10659596.4/91

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5645219.6/46

yield_bpm12X_mean vs Slug



Right In: -0.890 ± 0.000 $\chi^2/\text{NDF}: 43809356.8/19$

Left Out: -1.398 ± 0.000 $\chi^2/\text{NDF}: 734579404.3/24$

Right Out: -0.916 ± 0.000 $\chi^2/\text{NDF}: 187357943.0/23$

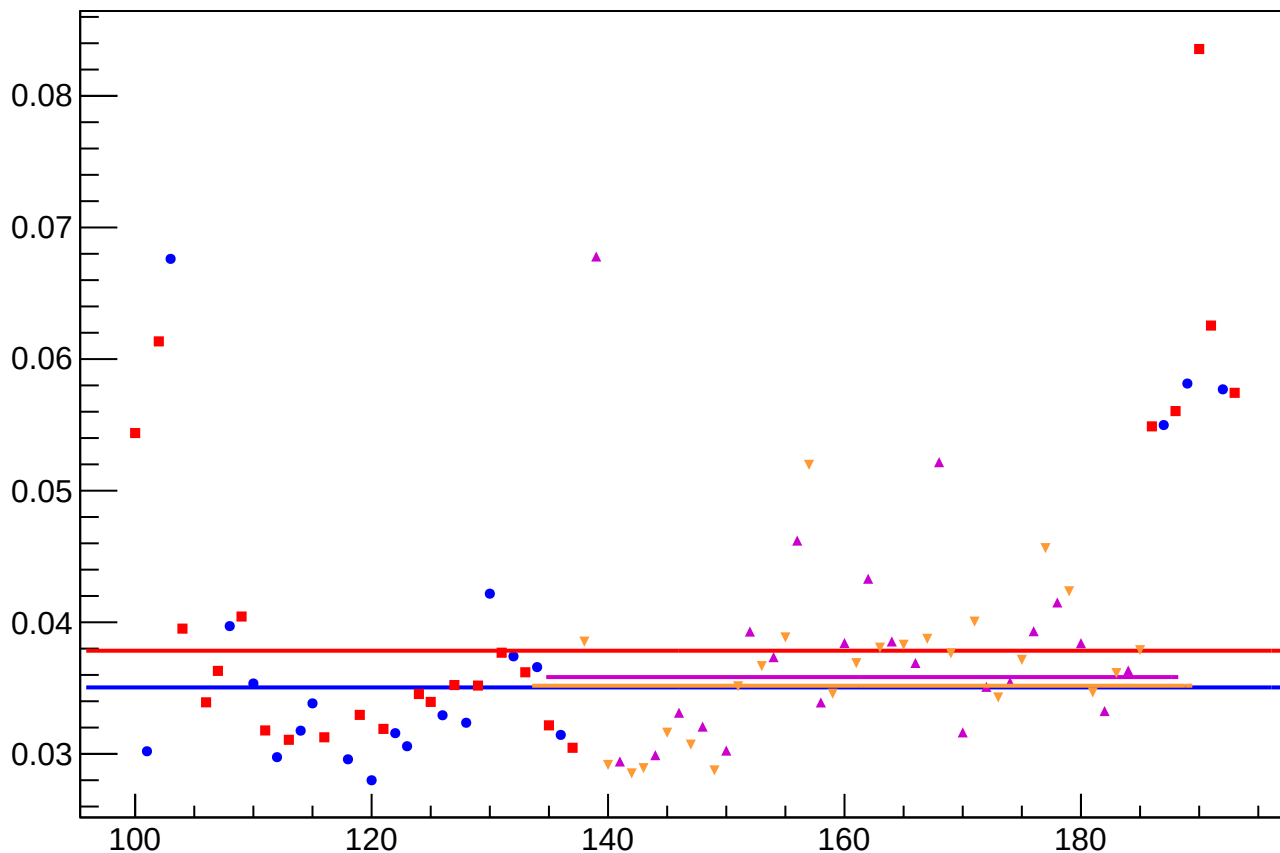
Left In: -1.412 ± 0.000 $\chi^2/\text{NDF}: 512629872.4/22$

+ sign -1.244 ± 0.000 $\chi^2/\text{NDF}: 1800513017.5/44$

All: -1.247 ± 0.000 $\chi^2/\text{NDF}: 3452804324.2/9$

- sign -1.251 ± 0.000 $\chi^2/\text{NDF}: 1651792546.2/46$

yield_bpm12X_rms vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 873043.1/19

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.038 $\pm$ 0.000 χ^2 /NDF: 1046816.2/23

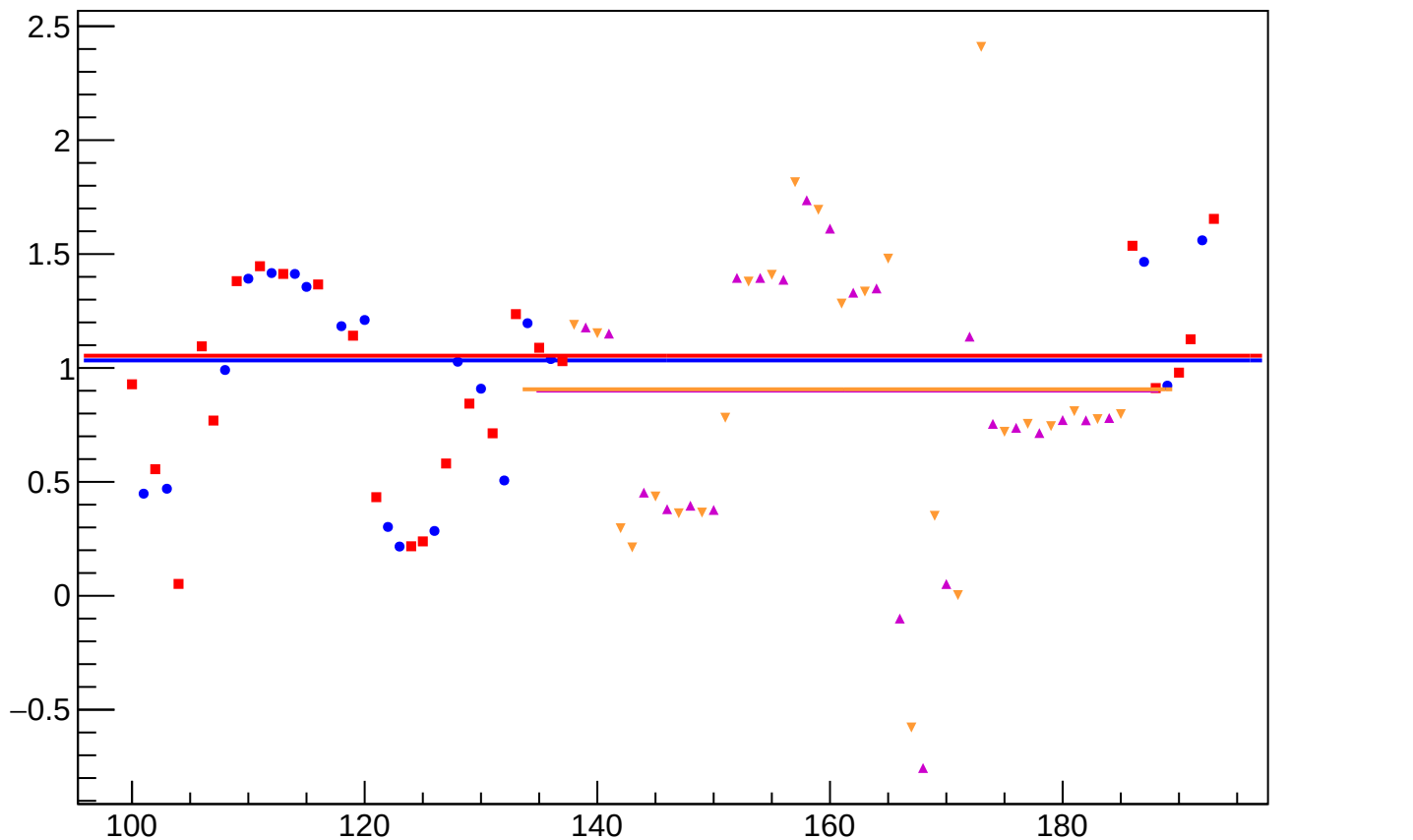
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1471060.0/44

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 3472938.6/91

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 1968970.4/46

yield_bpm12Y_mean vs Slug



Right In: 1.033 $\pm$ 0.000 χ^2 /NDF: 12391586471.6/19

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.054 $\pm$ 0.000 χ^2 /NDF: 15589792294.1/23

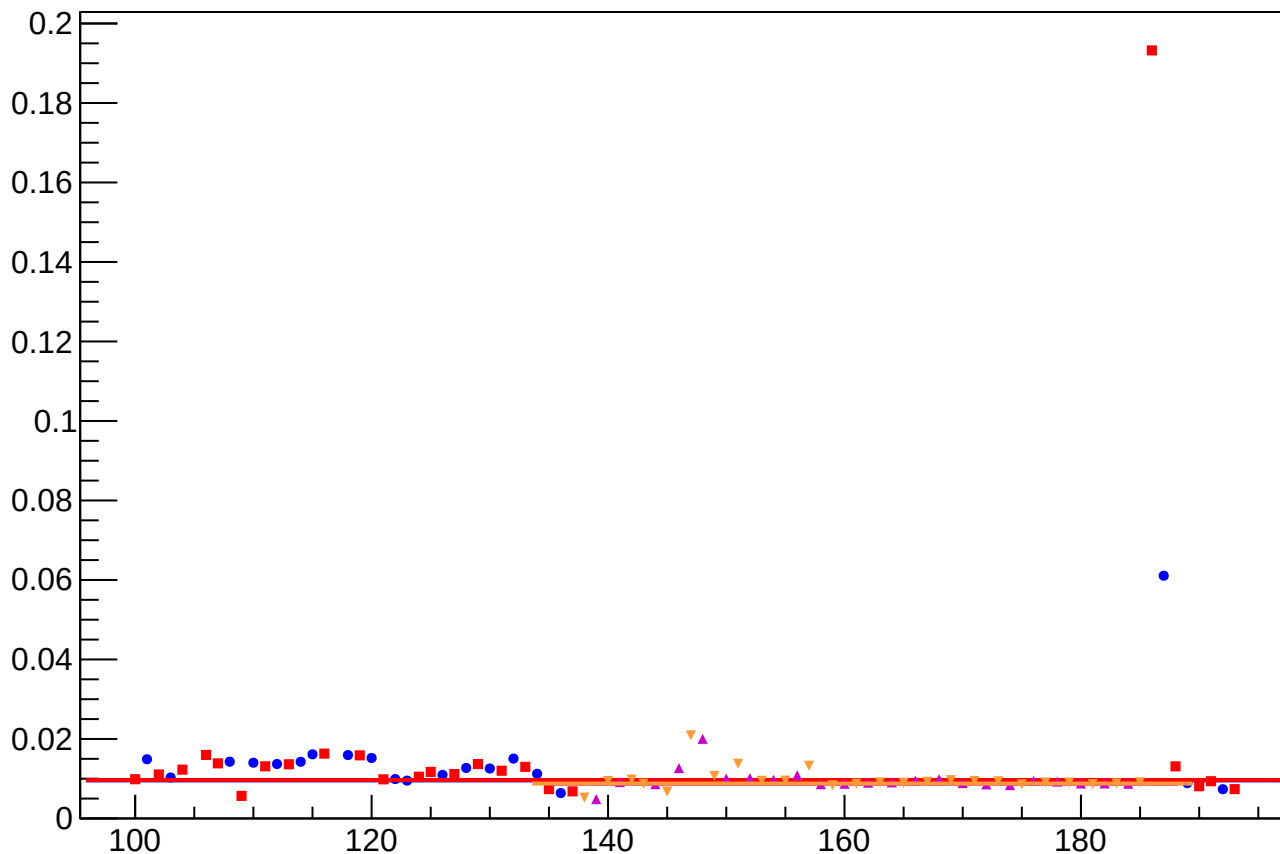
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.938 $\pm$ 0.000 χ^2 /NDF: 97381379676.3/44

All: 0.941 $\pm$ 0.000 χ^2 /NDF: 181278430223.5

- sign 0.944 $\pm$ 0.000 χ^2 /NDF: 83892635417.6/46

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1623370.1/19

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1698526.2/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 2075922.3/23

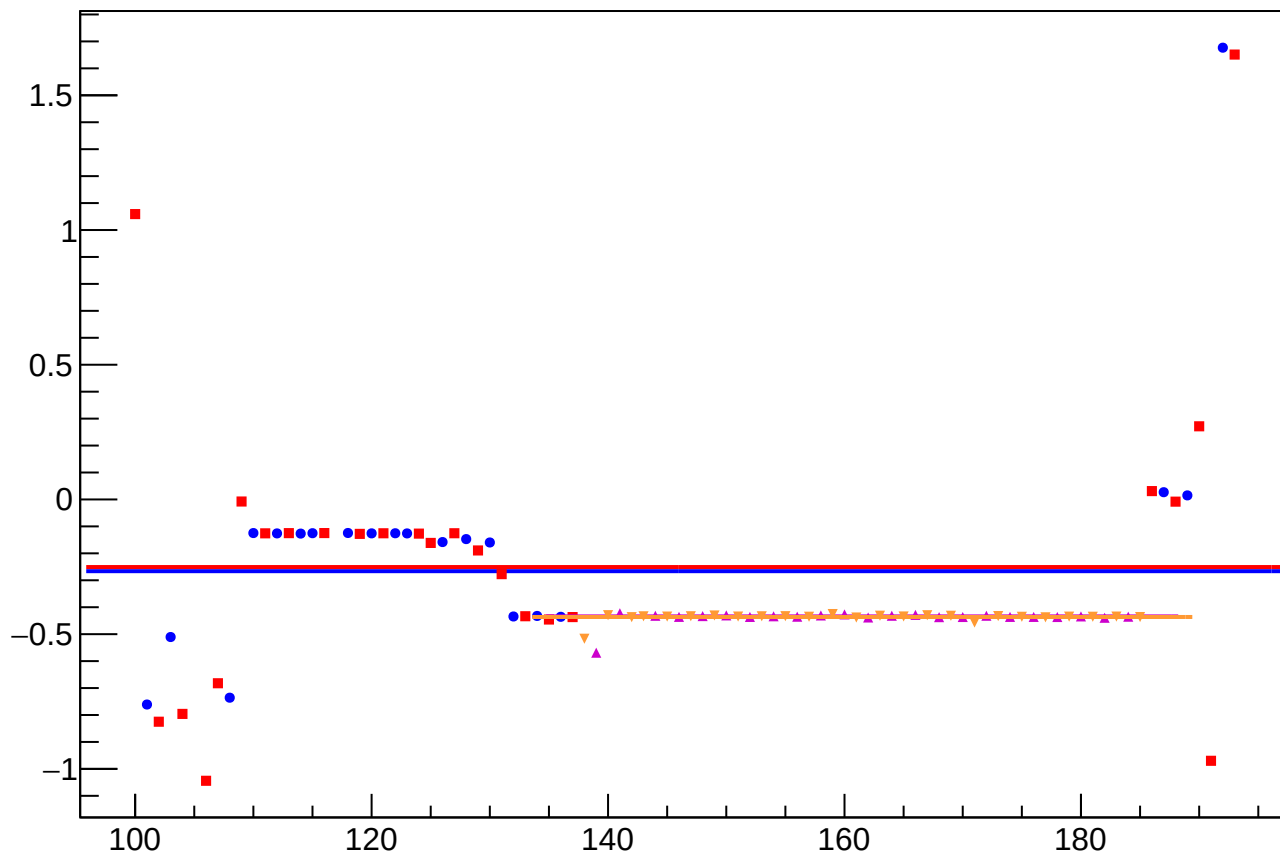
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3389417.1/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7240225.0/91

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3850675.4/46

yield_bpm16X_mean vs Slug



Right In: -0.266 ± 0.000 χ^2/NDF : 1851391905.2/19

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.251 ± 0.000 χ^2/NDF : 1745705766.8/23

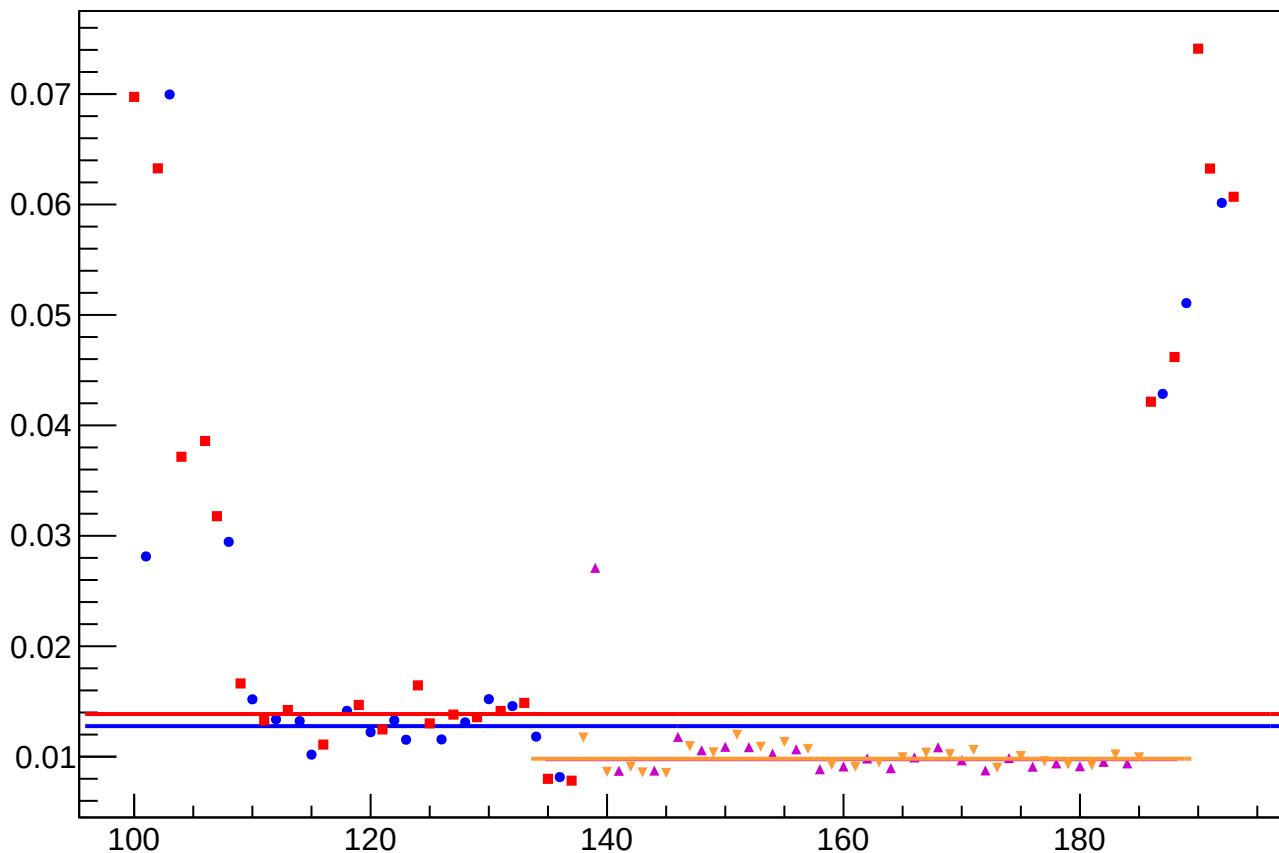
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.408 ± 0.000 χ^2/NDF : 2652232365.5/44

All: -0.406 ± 0.000 χ^2/NDF : 5276778604.2/9

- sign -0.403 ± 0.000 χ^2/NDF : 2622403705.1/46

yield_bpm16X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 3426613.7/19

Left Out: 0.010+/-0.000 χ^2/NDF : 271172.3/24

Right Out: 0.014+/-0.000 χ^2/NDF : 4747445.9/23

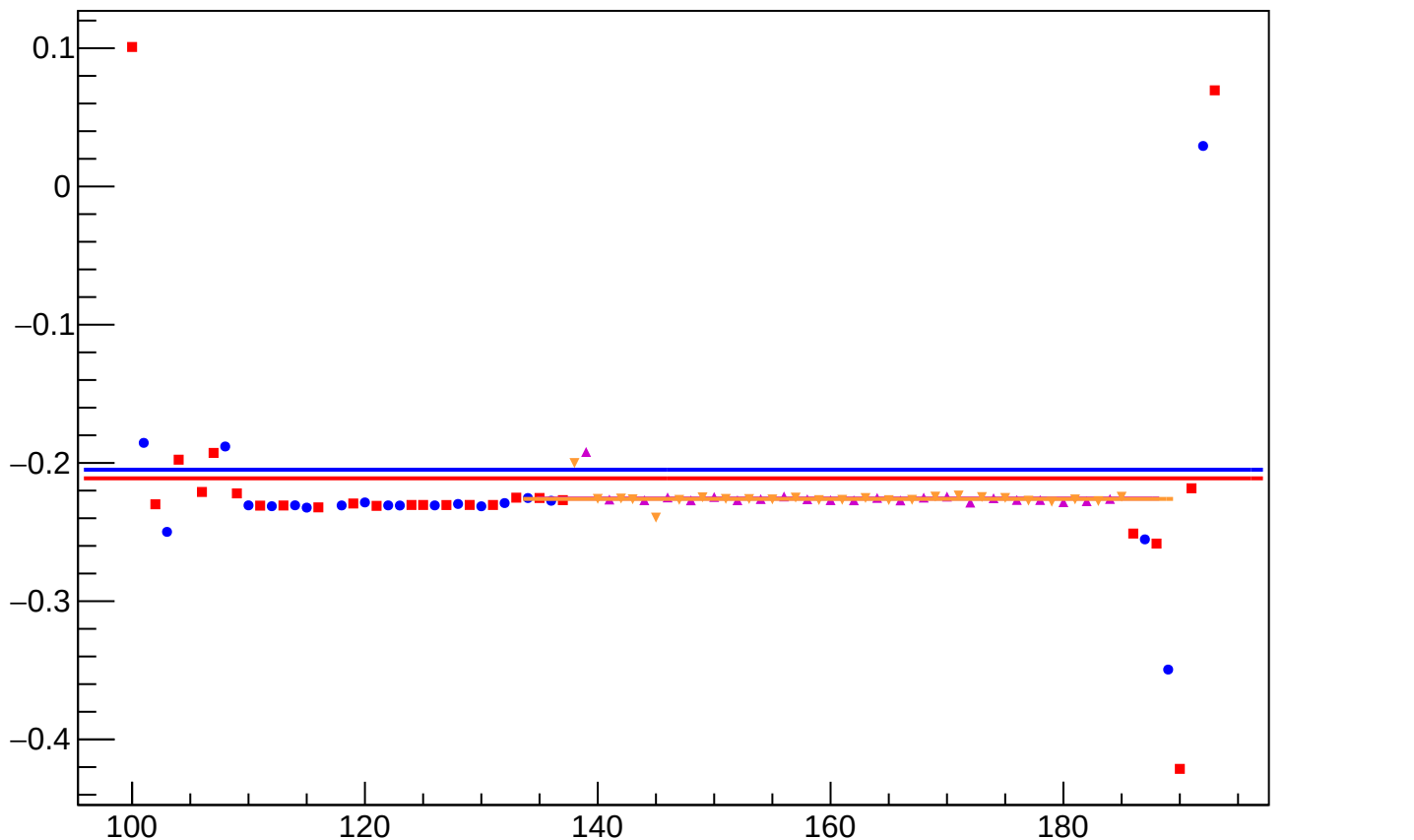
Left In: 0.010+/-0.000 χ^2/NDF : 786577.8/22

+ sign 0.010+/-0.000 χ^2/NDF : 4163092.7/44

All: 0.010+/-0.000 χ^2/NDF : 10556066.4/91

- sign 0.010+/-0.000 χ^2/NDF : 6388510.1/46

yield_bpm16Y_mean vs Slug



Right In: -0.205+/-0.000 χ^2 /NDF: 1873642421.4/19

Left Out: -0.226+/-0.000 χ^2 /NDF: 21207366.3/24

Right Out: -0.211+/-0.000 χ^2 /NDF: 2427247434.4/23

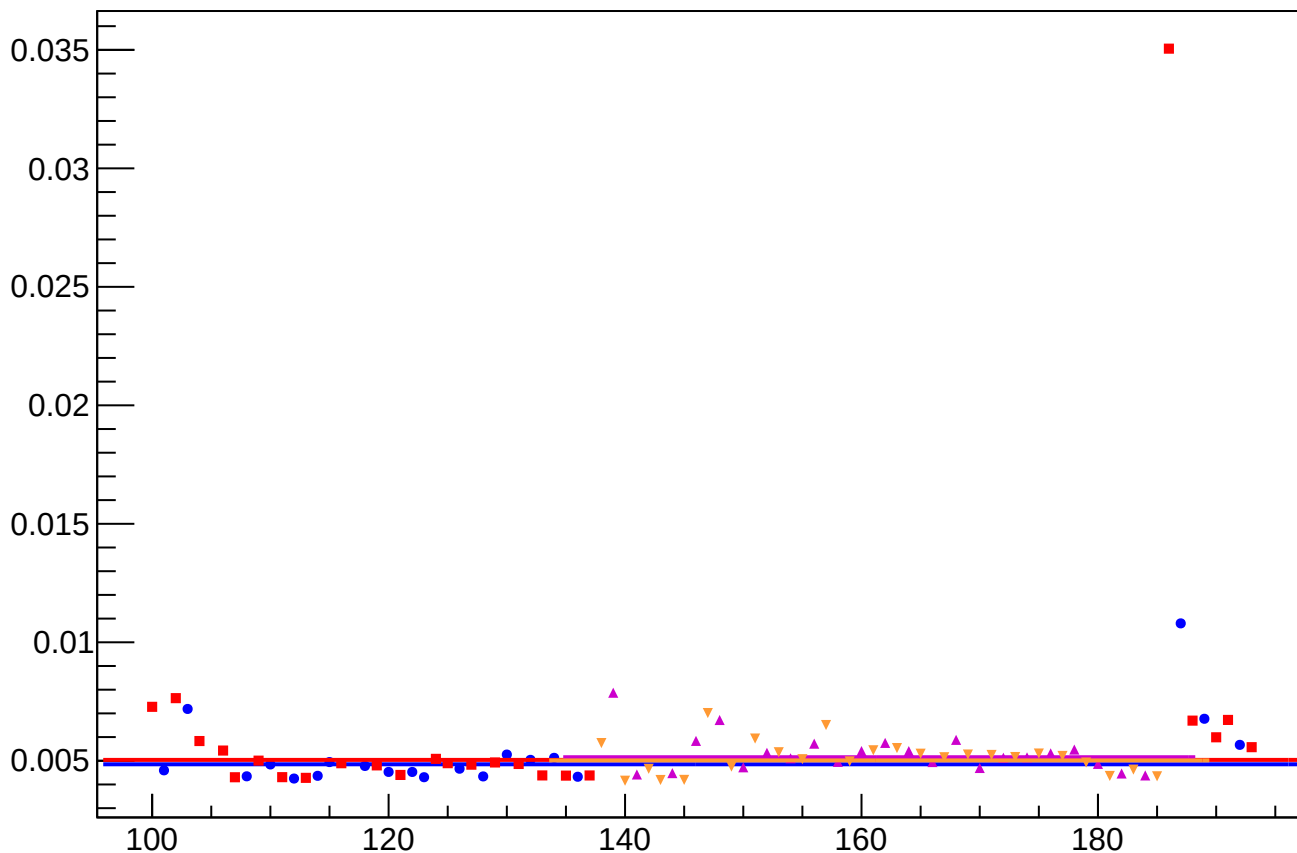
Left In: -0.226+/-0.000 χ^2 /NDF: 13717302.5/22

+ sign -0.219+/-0.000 χ^2 /NDF: 1990227665.9/44

All: -0.220+/-0.000 χ^2 /NDF: 4478019084.9/9

- sign -0.221+/-0.000 χ^2 /NDF: 2487115467.7/46

yield_bpm16Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 382547.5/19

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:532623.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 966468.8/23

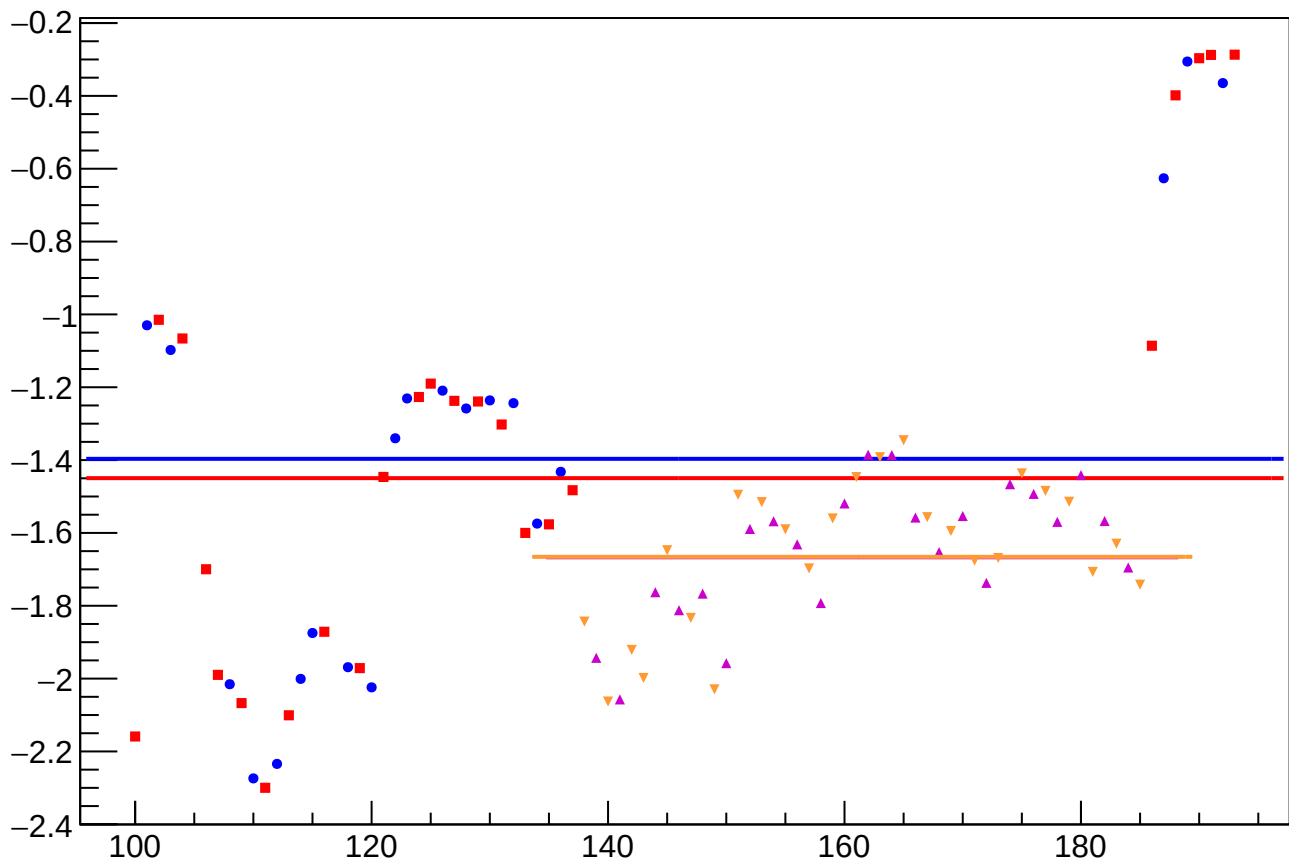
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:504040.6/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 926709.5/44

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2423247.9/91

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1475979.6/46

yield_bpm0l01X_mean vs Slug



Right In: -1.397+/-0.000 χ^2/NDF : 38021508096.0/19

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.450+/-0.000 χ^2/NDF : 60093312759.0/23

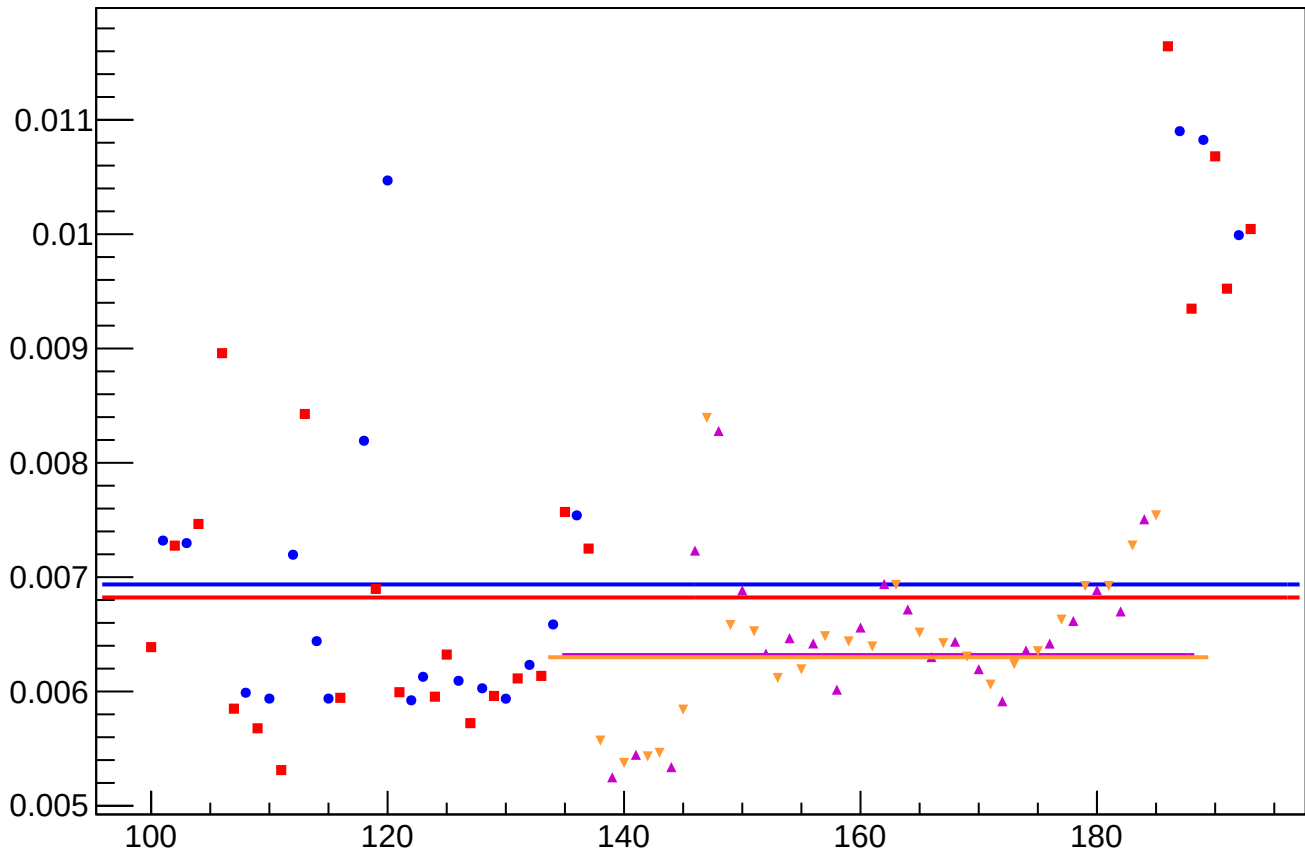
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.597+/-0.000 χ^2/NDF : 64562477083.5/44

All: -1.598+/-0.000 χ^2/NDF : 145380788443.2

- sign -1.599+/-0.000 χ^2/NDF : 80817023861.5/46

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 533528.1/19

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 815790.9/23

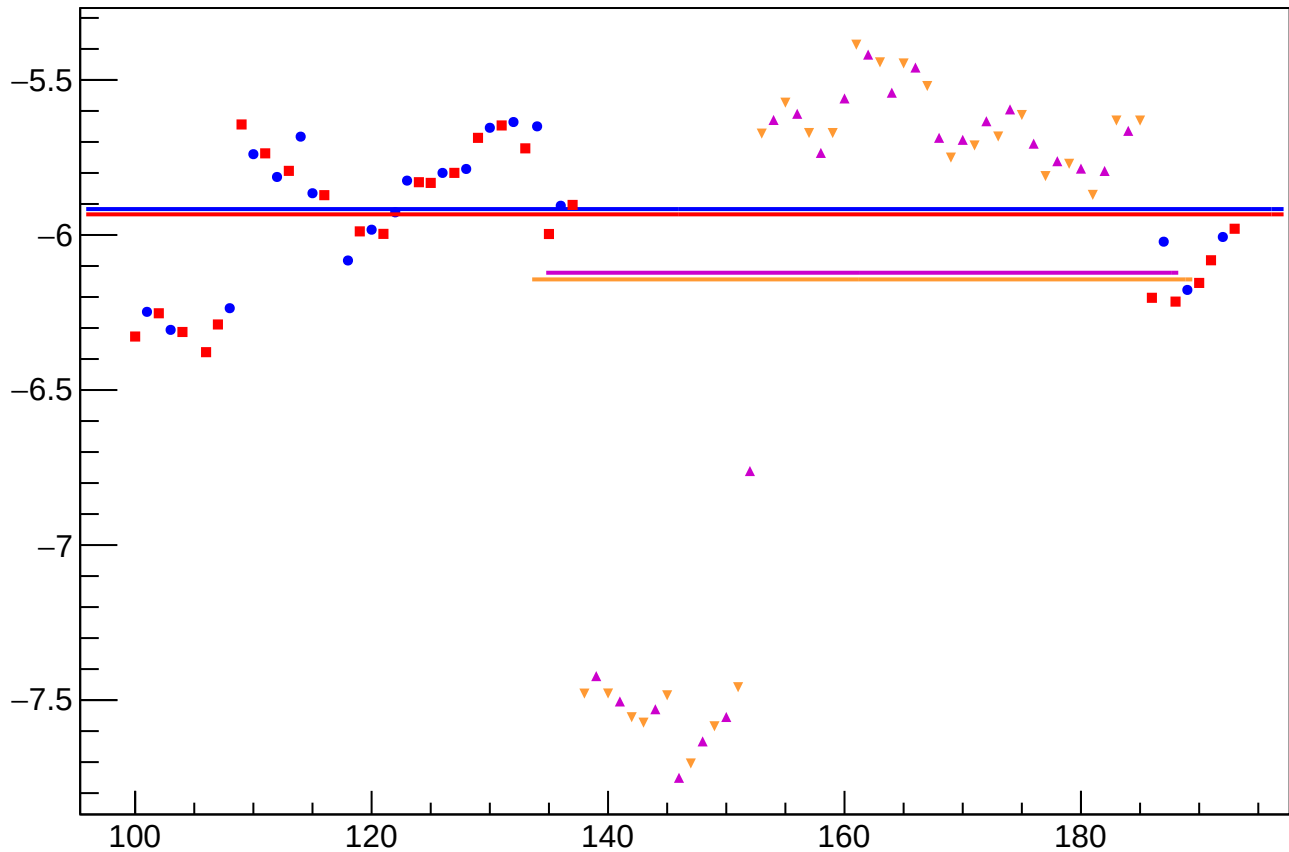
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 937872.1/44

All: 0.006+/-0.000 χ^2/NDF : 2153689.5/91

- sign 0.006+/-0.000 χ^2/NDF : 1215700.4/46

yield_bpm0l01Y_mean vs Slug



Right In: -5.916+/-0.000 χ^2/NDF : 11351079809.8/19

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.933+/-0.000 χ^2/NDF : 13615752995.3/23

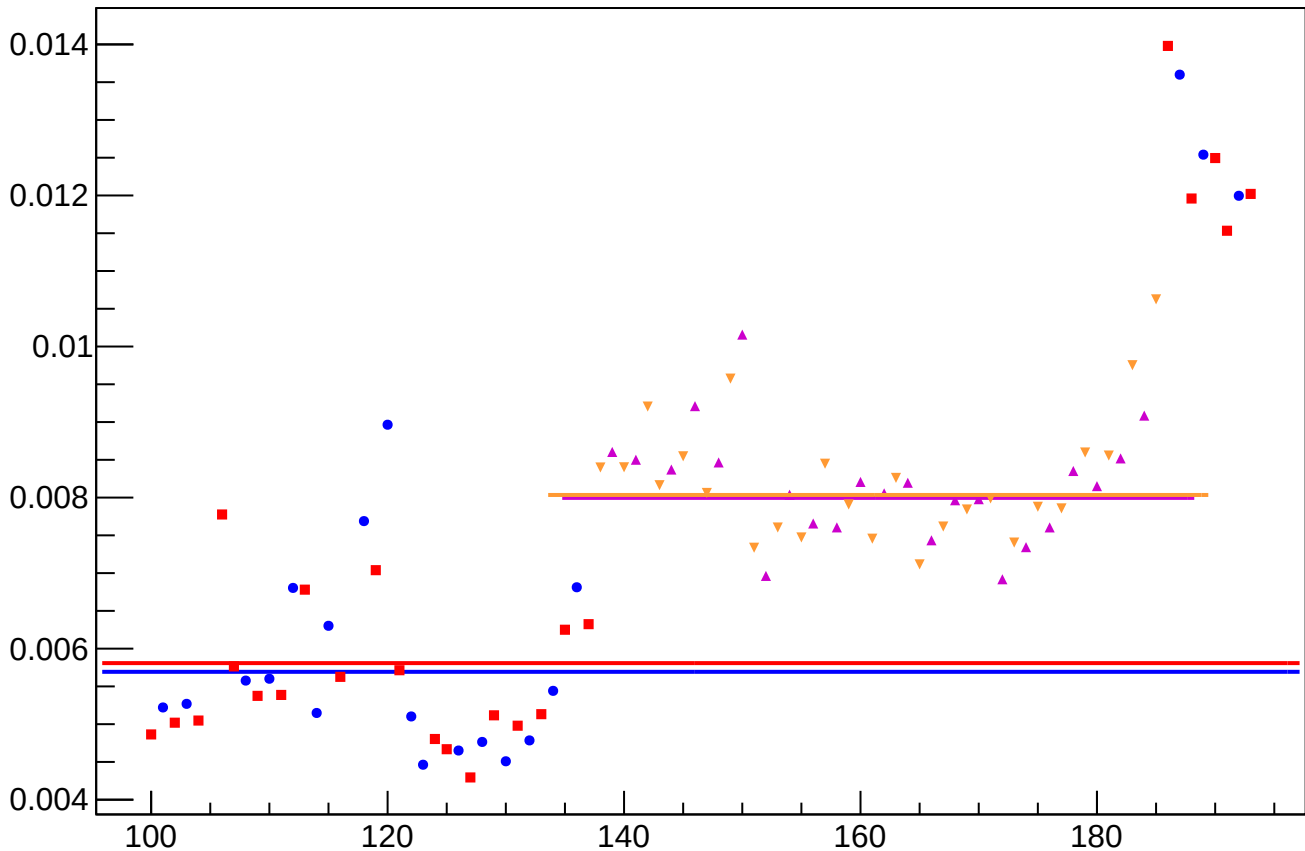
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.041+/-0.000 χ^2/NDF : 203037686401.9/44

All: -6.035+/-0.000 χ^2/NDF : 380921337745.9

- sign -6.029+/-0.000 χ^2/NDF : 177850599026.0/46

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1200645.2/19

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1705432.0/23

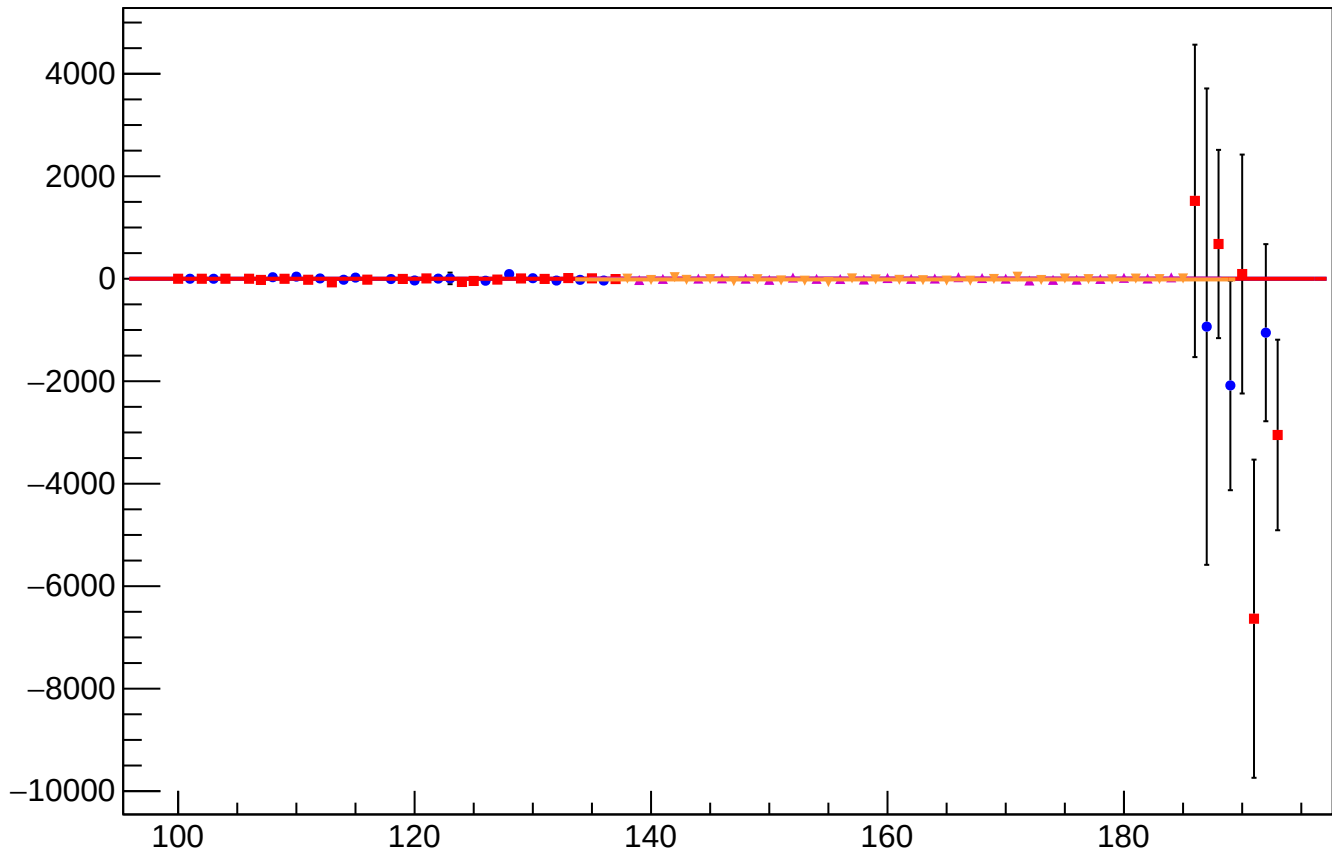
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 2677623.1/44

All: 0.007+/-0.000 χ^2/NDF : 5772590.7/91

- sign 0.007+/-0.000 χ^2/NDF : 3093379.7/46

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 17.7/19

Left Out: -13.472 $\pm$ 2.796 χ^2 /NDF: 58.5/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 22.6/23

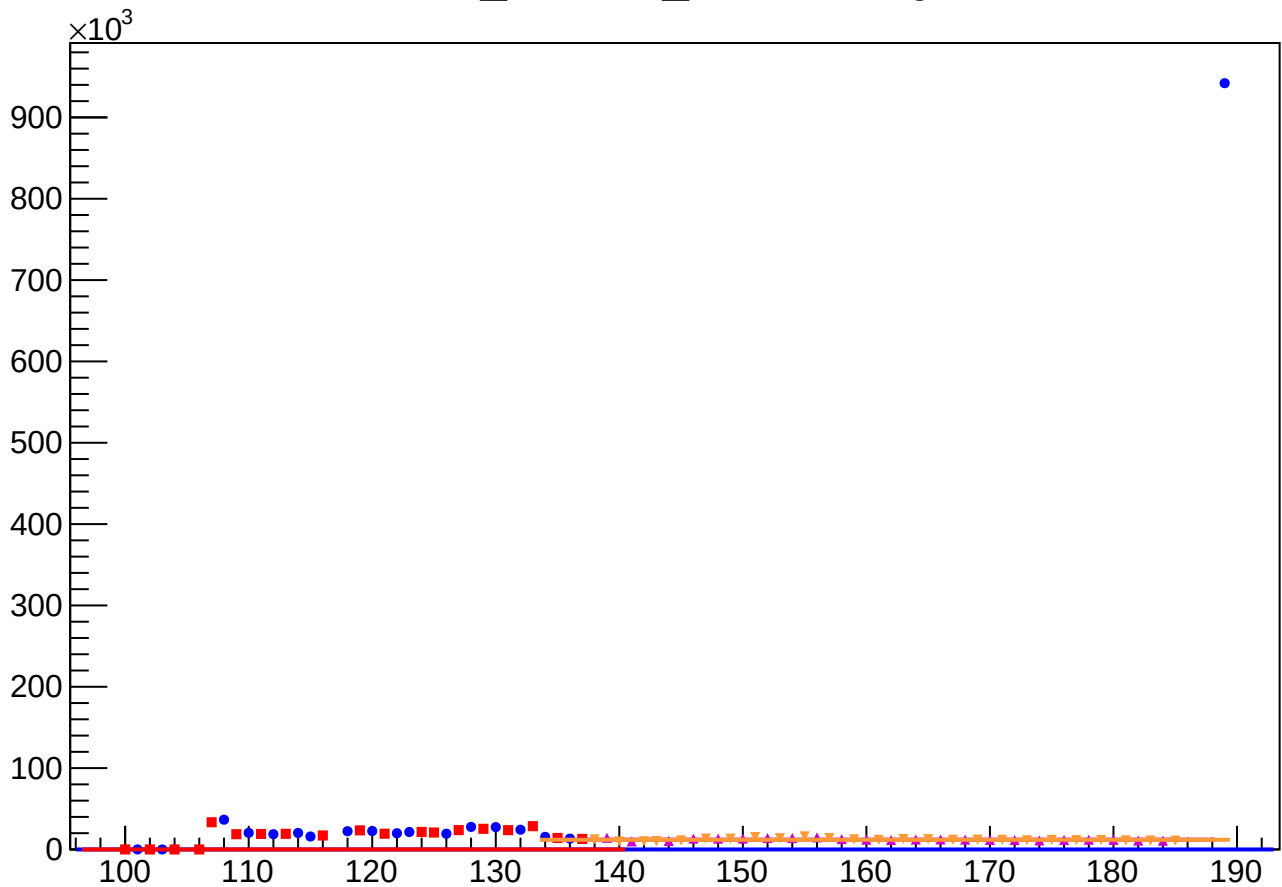
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 99.5/44

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 150.9/91

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 51.3/46

diff_cav4bX_rms vs Slug



Right In: 18.640 $\pm$ 0.012 χ^2 /NDF: 10982766.4/17

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11056055.0/18

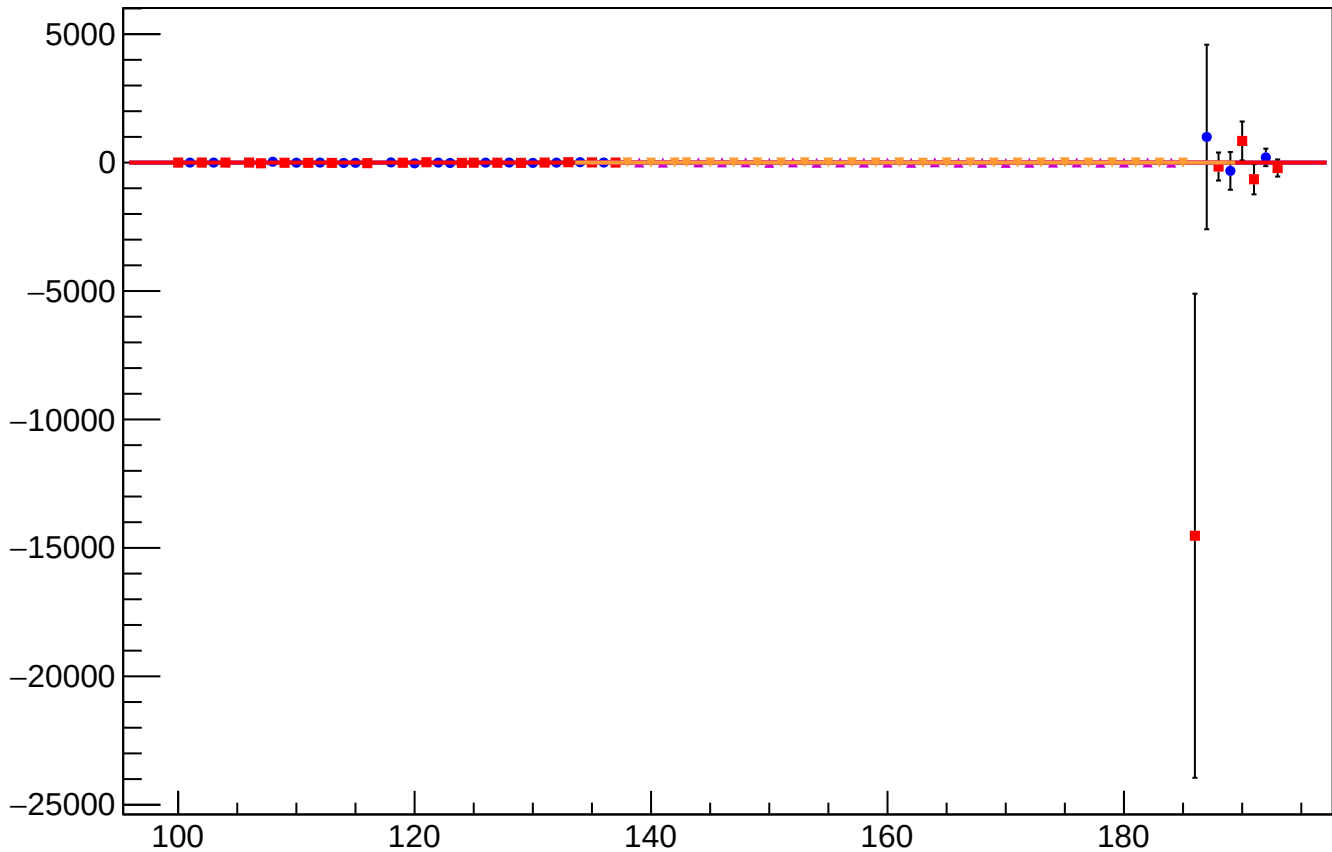
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47623008.9/42

All: 18.873 $\pm$ 0.008 χ^2 /NDF: 93432232.0/84

- sign 18.680 $\pm$ 0.011 χ^2 /NDF: 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 15.3/19

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 23.9/23

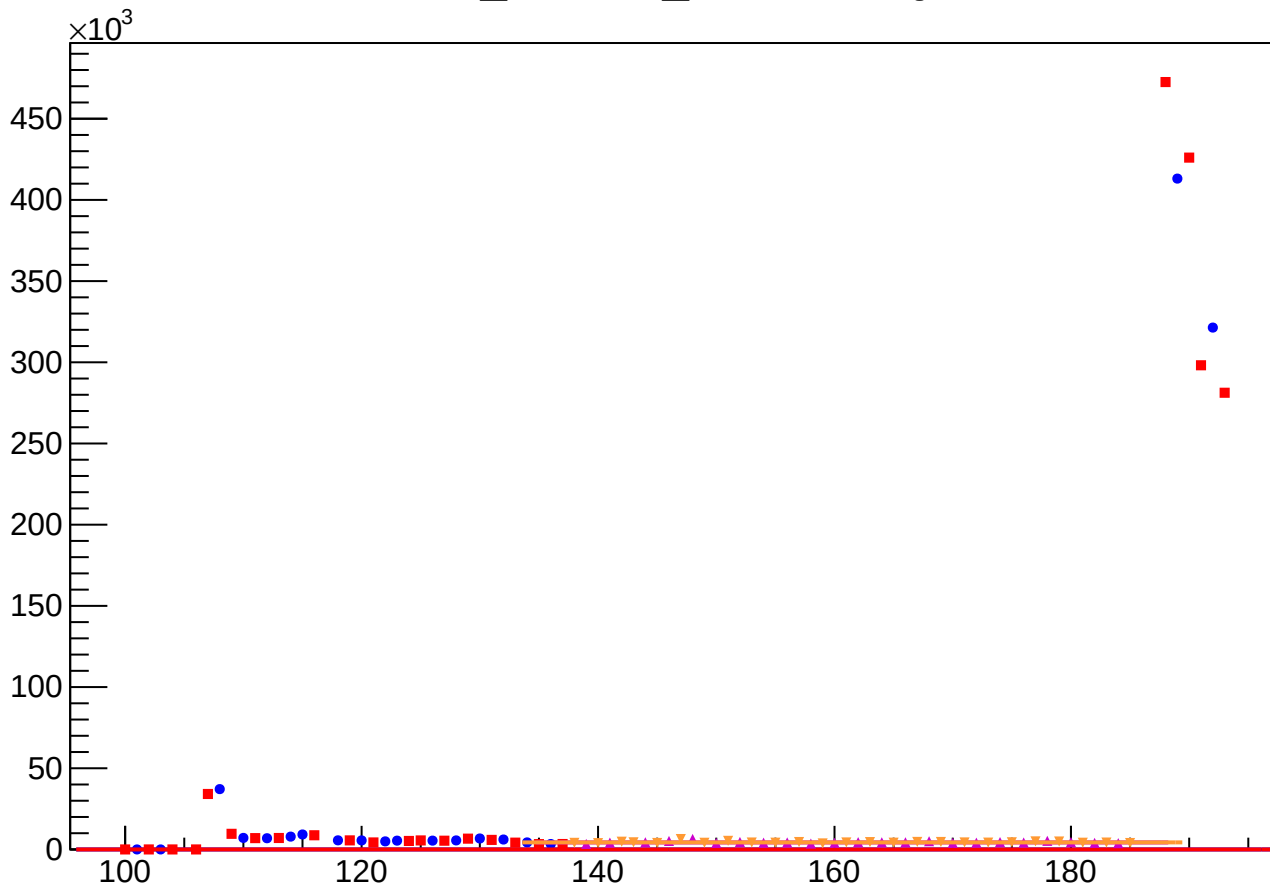
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.9/44

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 97.2/91

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.2/46

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 13310903.3/18

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.854 ± 0.006 χ^2/NDF : 15150545.3/22

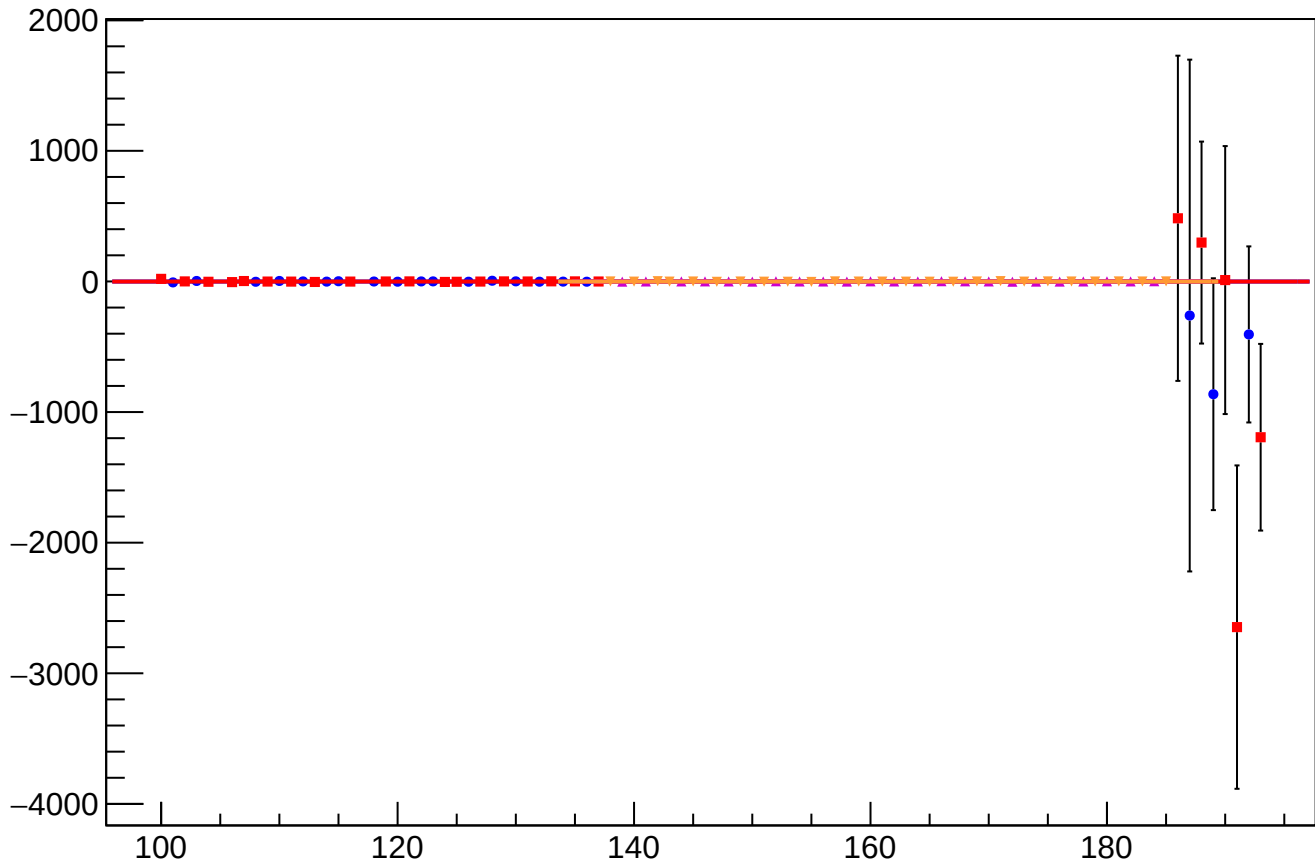
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.290 ± 0.007 χ^2/NDF : 49838895.6/43

All: 10.216 ± 0.004 χ^2/NDF : 99587346.2/89

- sign 10.150 ± 0.006 χ^2/NDF : 49748204.6/45

diff_cav4cX_mean vs Slug



Right In: -0.702 ± 0.485 χ^2/NDF : 23.8/19

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.761 ± 0.502 χ^2/NDF : 19.4/23

Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

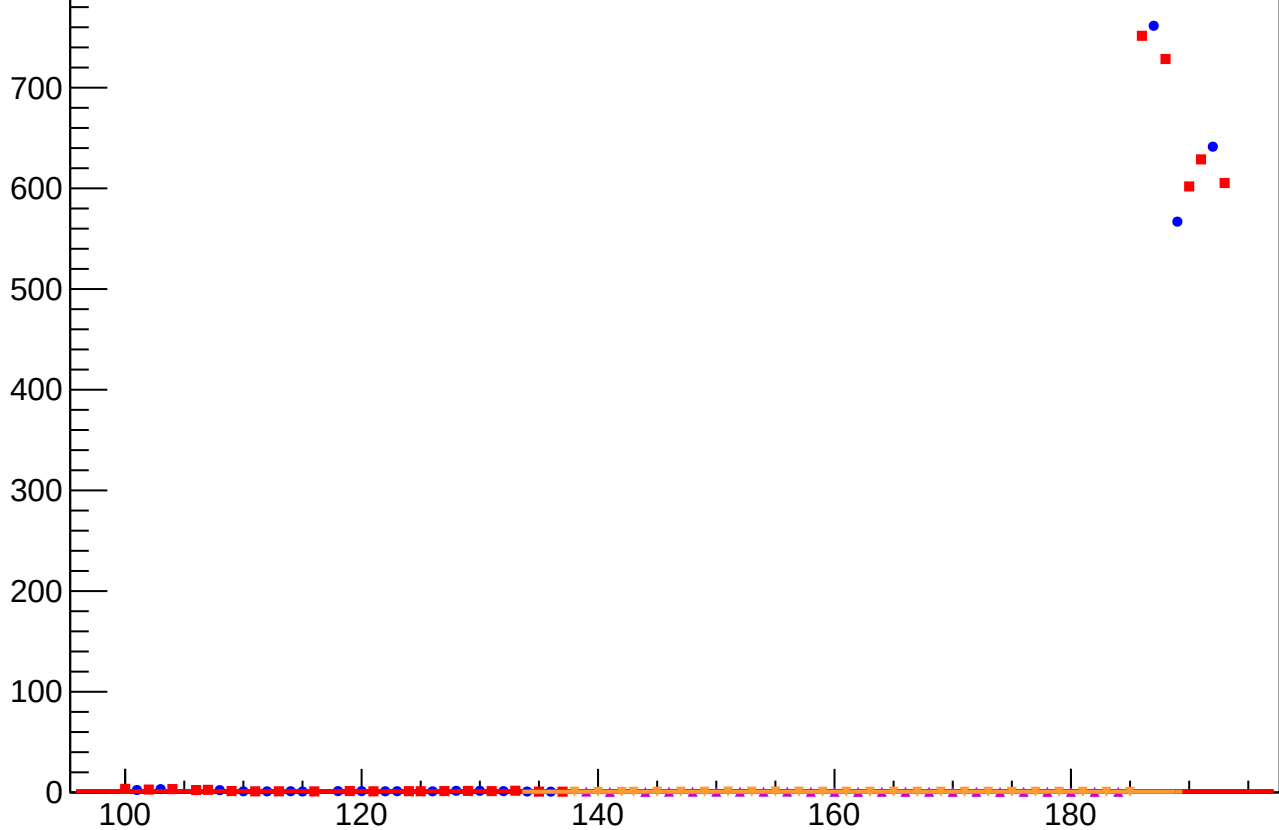
+ sign -0.767 ± 0.156 χ^2/NDF : 82.2/44

All: -0.444 ± 0.112 χ^2/NDF : 141.8/91

- sign -0.097 ± 0.161 χ^2/NDF : 50.6/46

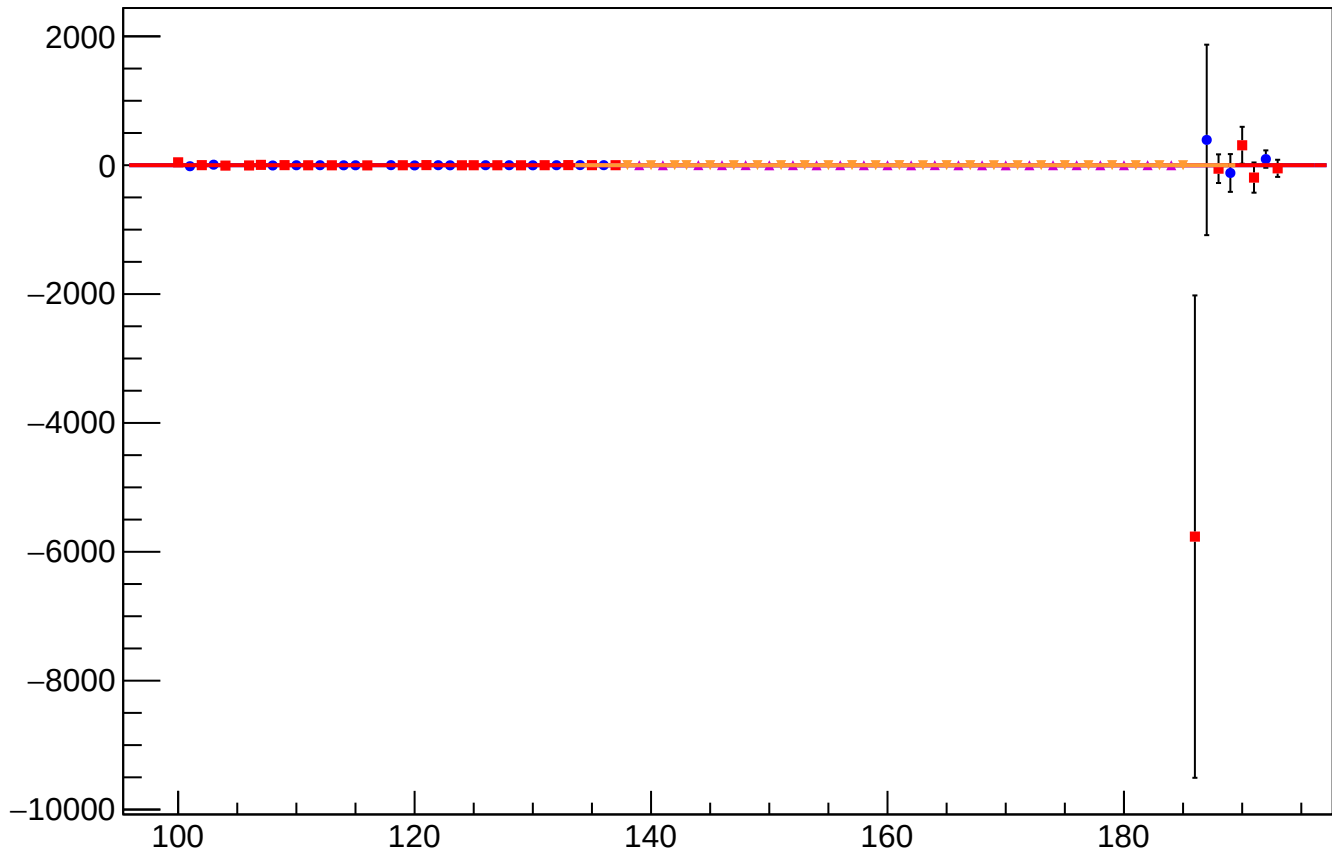
diff_cav4cX_rms vs Slug

$\times 10^3$



Right In: 1164.759 ± 0.343 $\chi^2/\text{NDF}: 4504656.7/19$ + sign 748.558 ± 0.110 $\chi^2/\text{NDF}: 6538928.2/44$
 Left Out: 700.797 ± 0.116 $\chi^2/\text{NDF}: 392521.4/24$ All: 755.479 ± 0.079 $\chi^2/\text{NDF}: 15726975.2/9$
 Right Out: 1250.241 ± 0.355 $\chi^2/\text{NDF}: 6741146.0/23$ - sign 762.898 ± 0.114 $\chi^2/\text{NDF}: 9179850.7/46$
 Left In: 706.950 ± 0.120 $\chi^2/\text{NDF}: 338177.1/22$

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.271 χ^2/NDF : 21.7/19

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.244 ± 0.265 χ^2/NDF : 25.1/23

Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

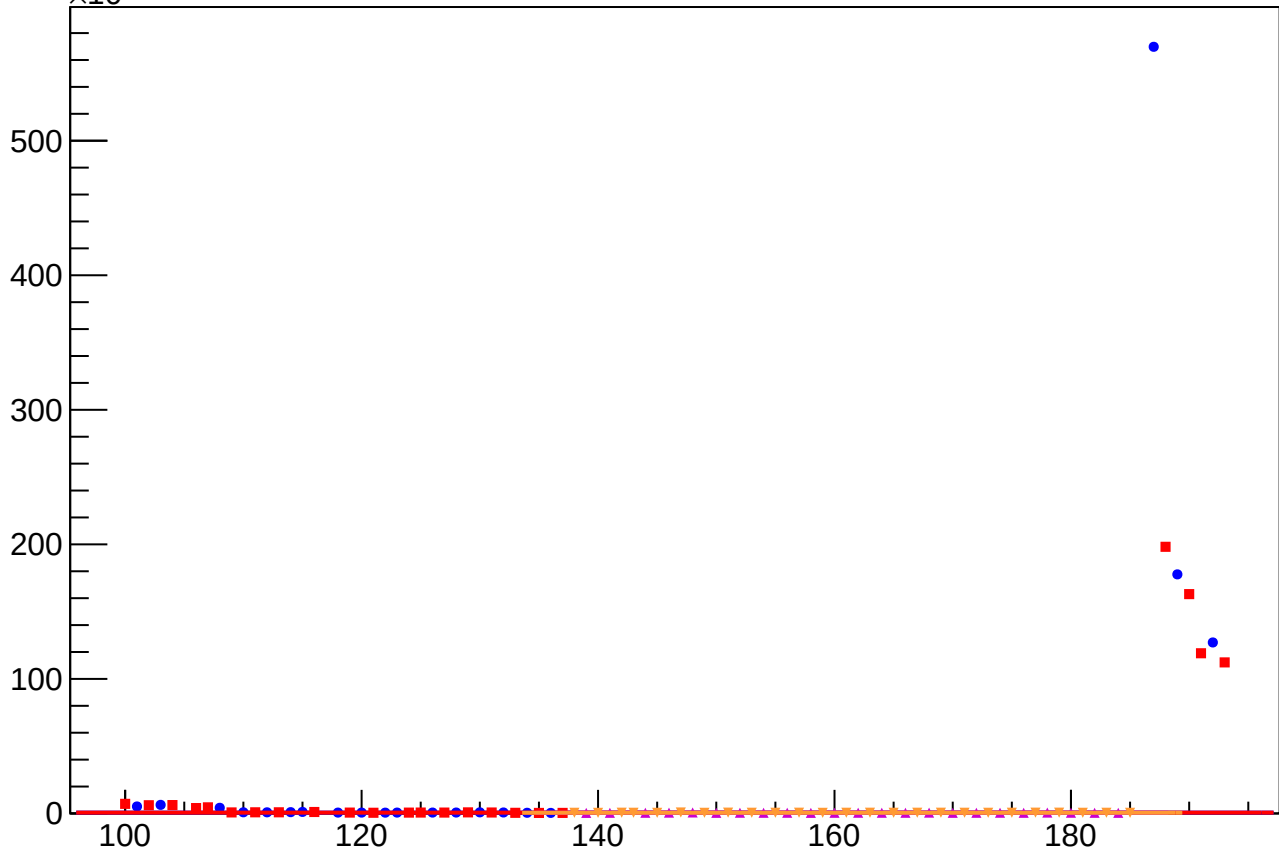
+ sign 0.186 ± 0.112 χ^2/NDF : 40.2/44

All: 0.163 ± 0.080 χ^2/NDF : 100.6/91

- sign 0.139 ± 0.113 χ^2/NDF : 60.3/46

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 609.267 $\pm$ 0.191 χ^2 /NDF: 5918230.2/19

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 600.728 $\pm$ 0.187 χ^2 /NDF: 7688620.0/22

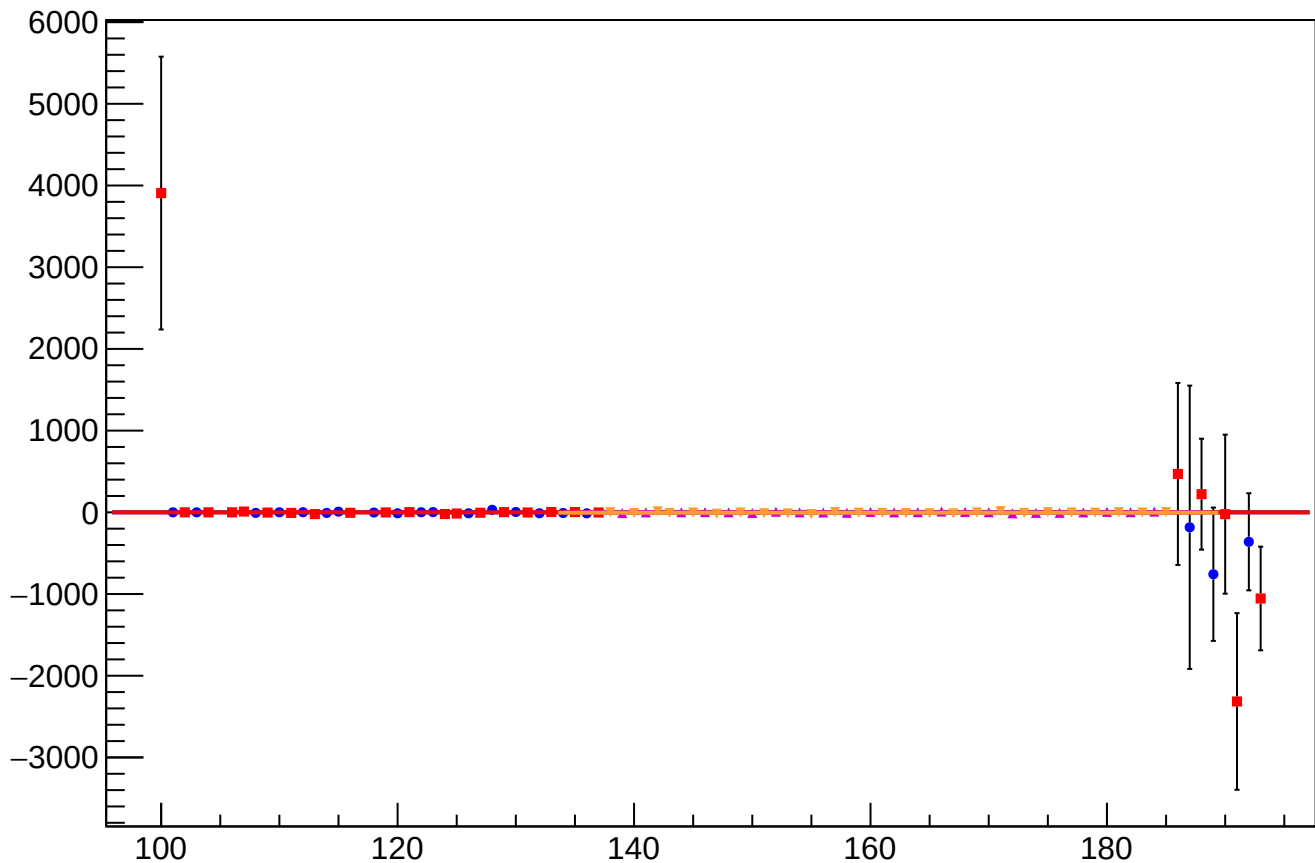
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.187 $\pm$ 0.079 χ^2 /NDF: 6420833.4/44

All: 535.977 $\pm$ 0.056 χ^2 /NDF: 14706768.1/90

- sign 534.728 $\pm$ 0.080 χ^2 /NDF: 8285456.6/45

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.9/19

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 24.4/23

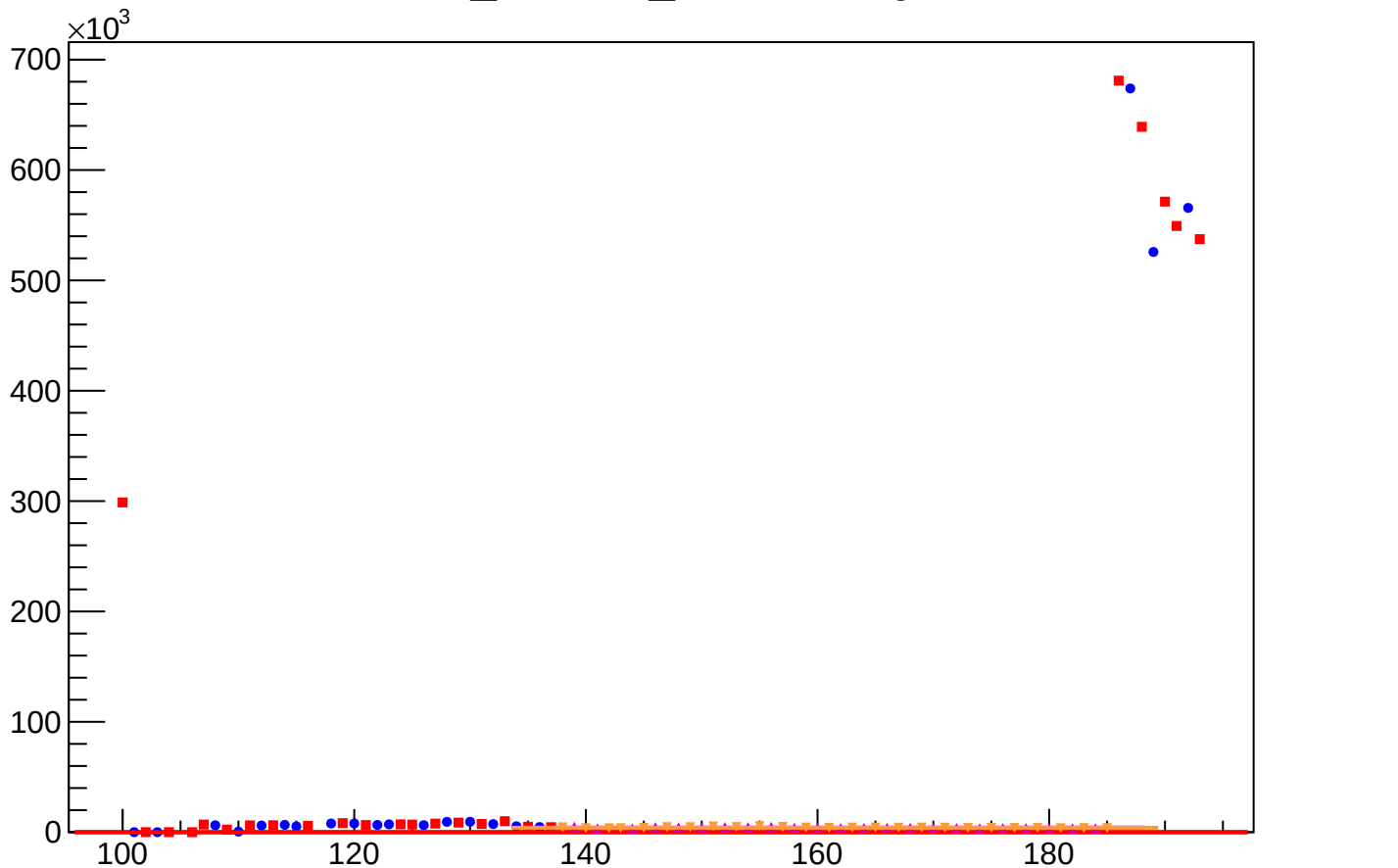
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.8/44

All: -0.025 ± 0.014 χ^2/NDF : 150.5/91

- sign -0.027 ± 0.020 χ^2/NDF : 53.7/46

diff_cav4dX_rms vs Slug



Right In: 17.336 $\pm$ 0.015 χ^2 /NDF: 13258603.7/19

Left Out: 4074.257 $\pm$ 0.676 χ^2 /NDF: 416916.0/24

Right Out: 17.269 $\pm$ 0.014 χ^2 /NDF: 15918947.6/23

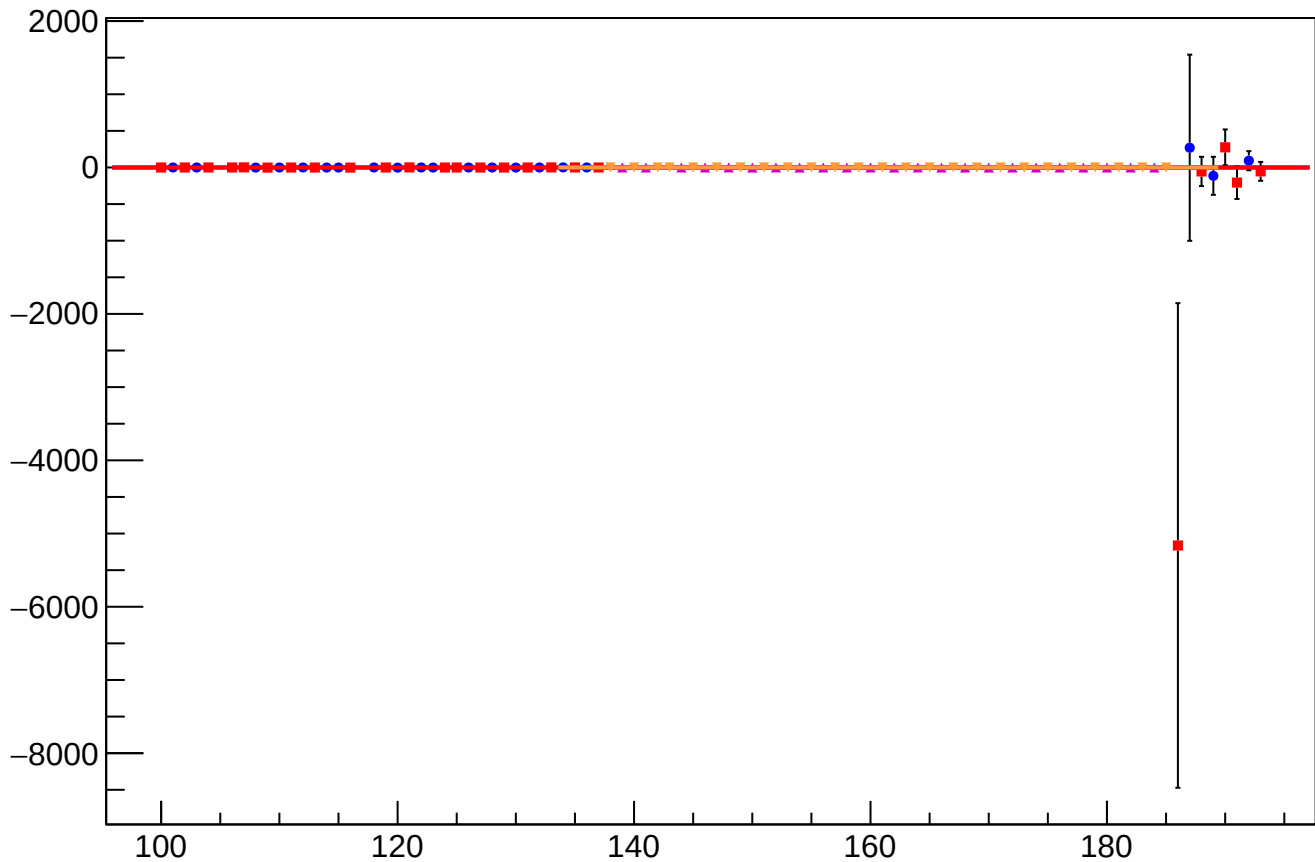
Left In: 4113.744 $\pm$ 0.700 χ^2 /NDF: 354965.8/22

+ sign 19.257 $\pm$ 0.015 χ^2 /NDF: 49708735.5/44

All: 19.071 $\pm$ 0.010 χ^2 /NDF: 100199791.6/91

- sign 18.902 $\pm$ 0.014 χ^2 /NDF: 50490750.4/46

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 16.1/19

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 22.9/23

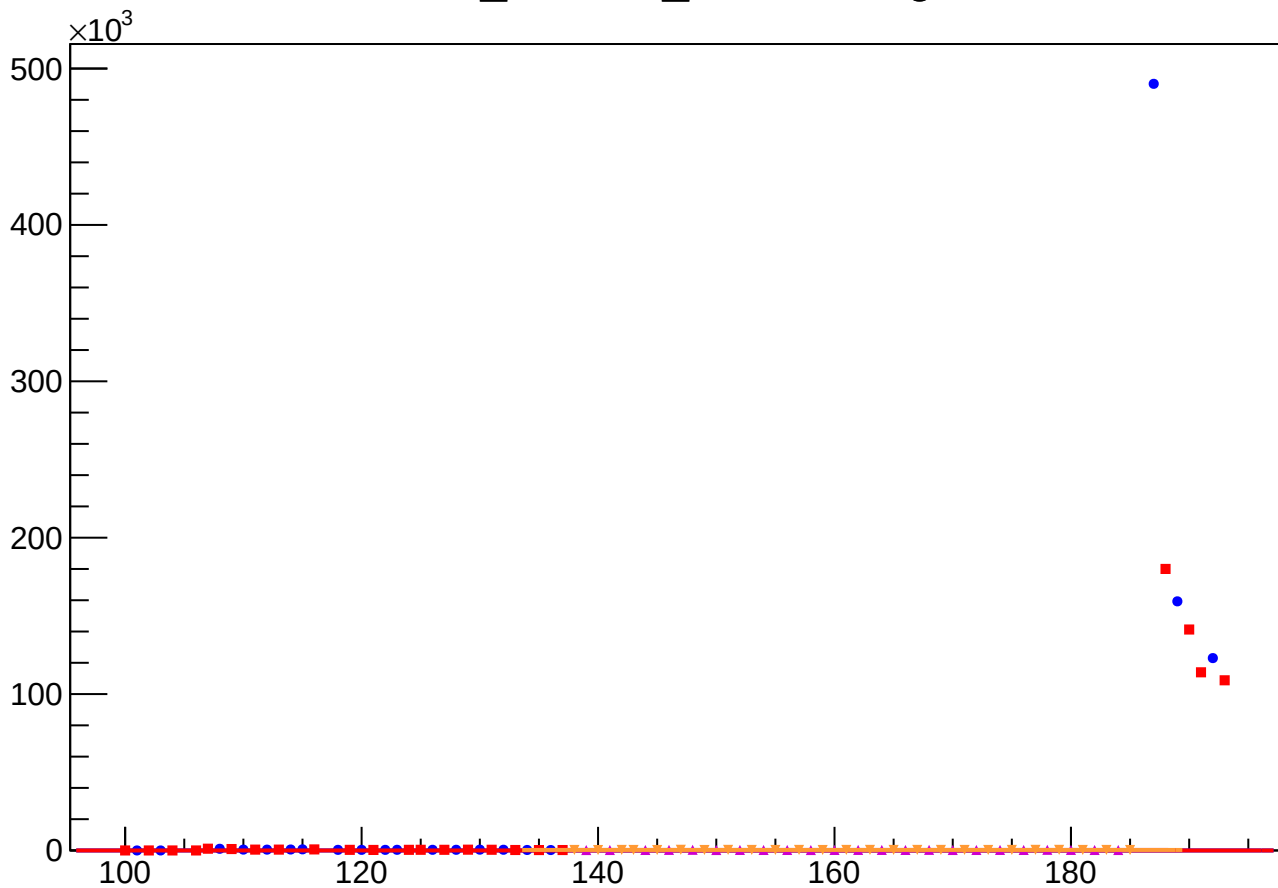
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.7/44

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 95.3/91

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.6/46

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 13691048.1/19

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 14924059.3/22

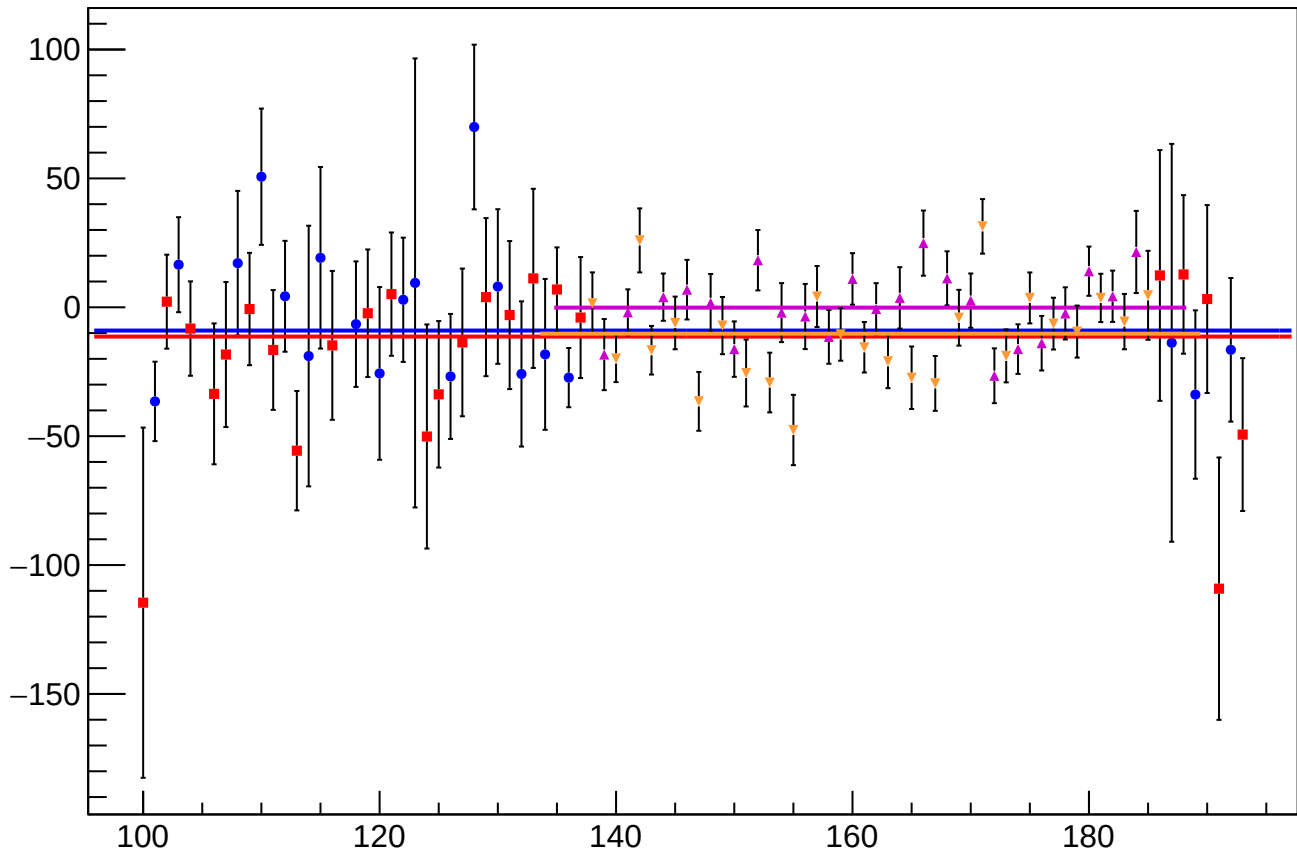
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 50003416.6/44

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 99326543.6/90

- sign 1.926 $\pm$ 0.001 χ^2 /NDF: 49323127.0/45

diff_bpm4aX_mean vs Slug



Right In: -9.024 ± 5.436 χ^2/NDF : 23.3/19

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -11.353 ± 5.375 χ^2/NDF : 18.1/23

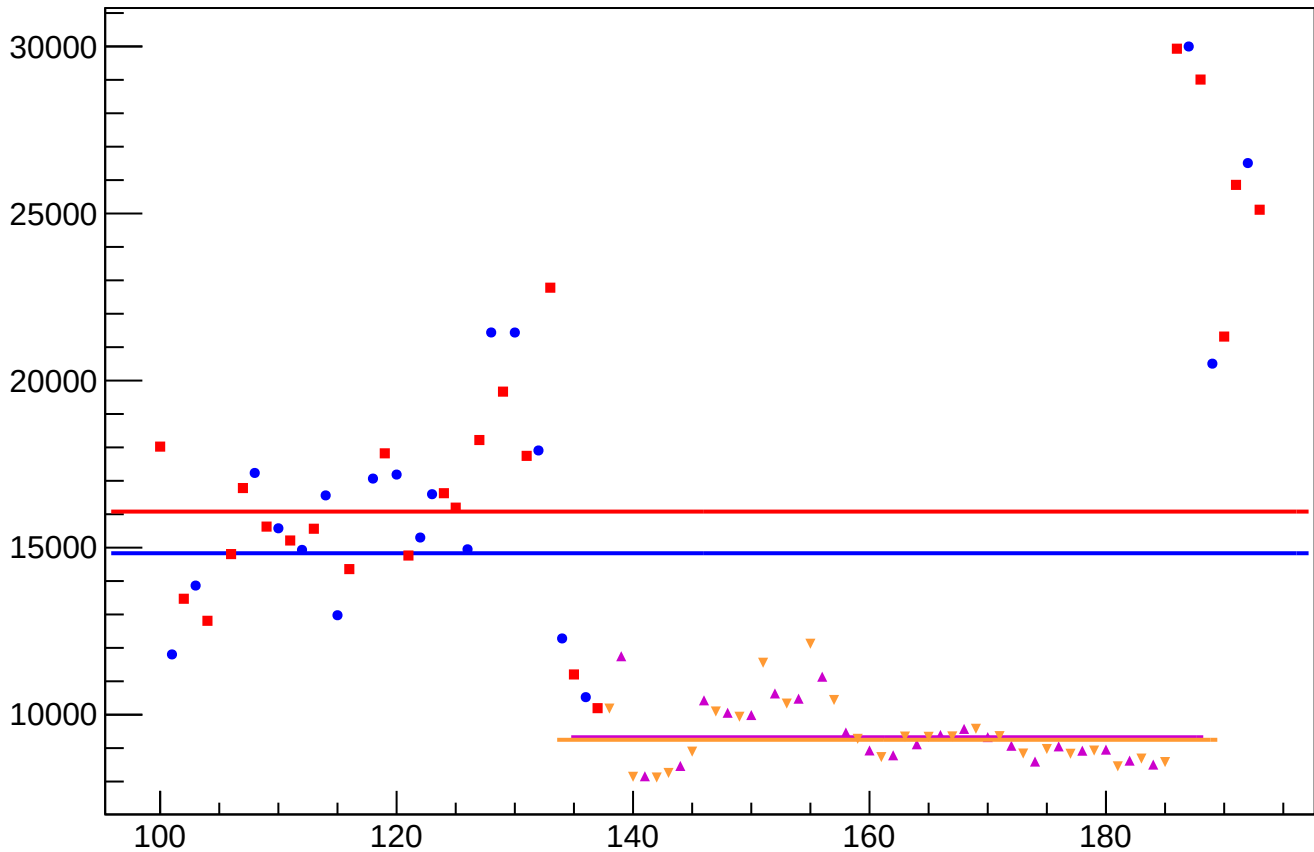
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.069 ± 2.013 χ^2/NDF : 81.3/44

All: -6.046 ± 1.443 χ^2/NDF : 141.1/91

- sign -1.794 ± 2.069 χ^2/NDF : 51.6/46

diff_bpm4aX_rms vs Slug



Right In: 14832.499+/-3.844 χ^2/NDF : 1127190.3/19

Left Out: 9249.358+/-1.532 χ^2/NDF : 332003.4/24

+ sign 10014.795+/-1.423 χ^2/NDF : 3279913.4/44

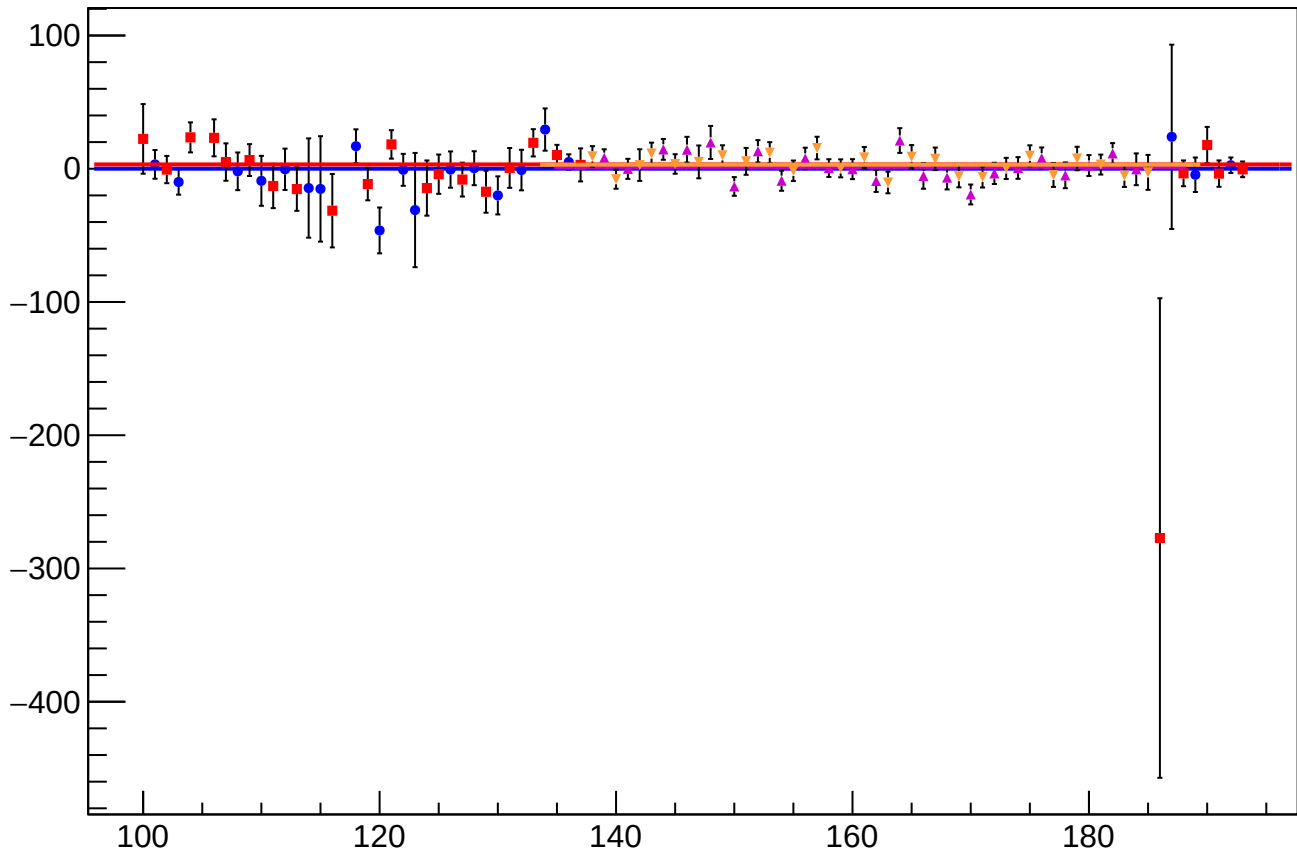
Right Out: 16079.085+/-3.800 χ^2/NDF : 1379698.7/23

All: 10166.226+/-1.020 χ^2/NDF : 7653863.9/5

Left In: 9325.112+/-1.585 χ^2/NDF : 280927.7/22

- sign 10326.310+/-1.463 χ^2/NDF : 4350659.5/46

diff_bpm4aY_mean vs Slug



Right In: 0.059 ± 2.668 χ^2/NDF : 17.9/19

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 3.262 ± 2.422 χ^2/NDF : 25.2/23

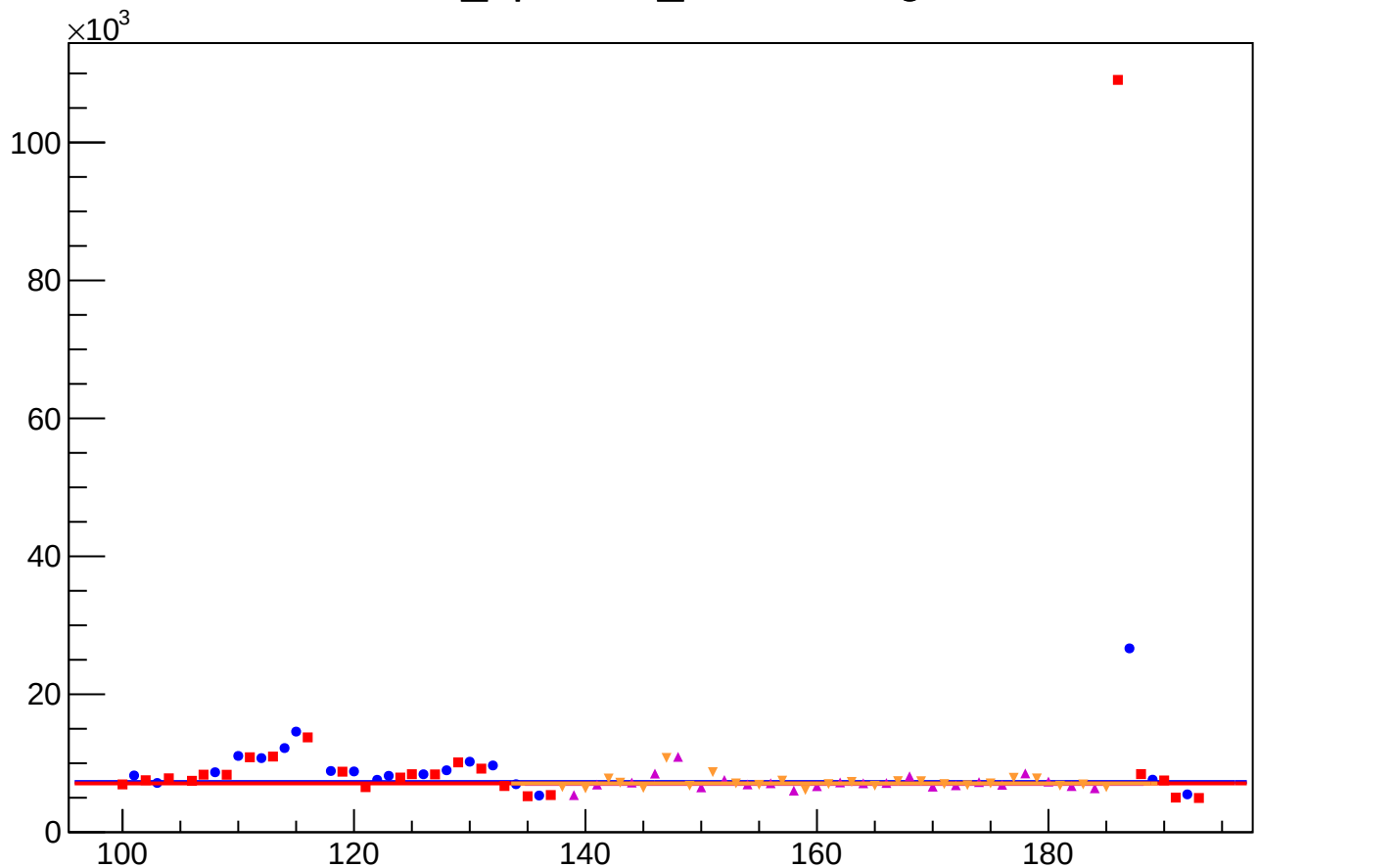
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.225 ± 1.409 χ^2/NDF : 37.1/44

All: 2.115 ± 0.989 χ^2/NDF : 98.0/91

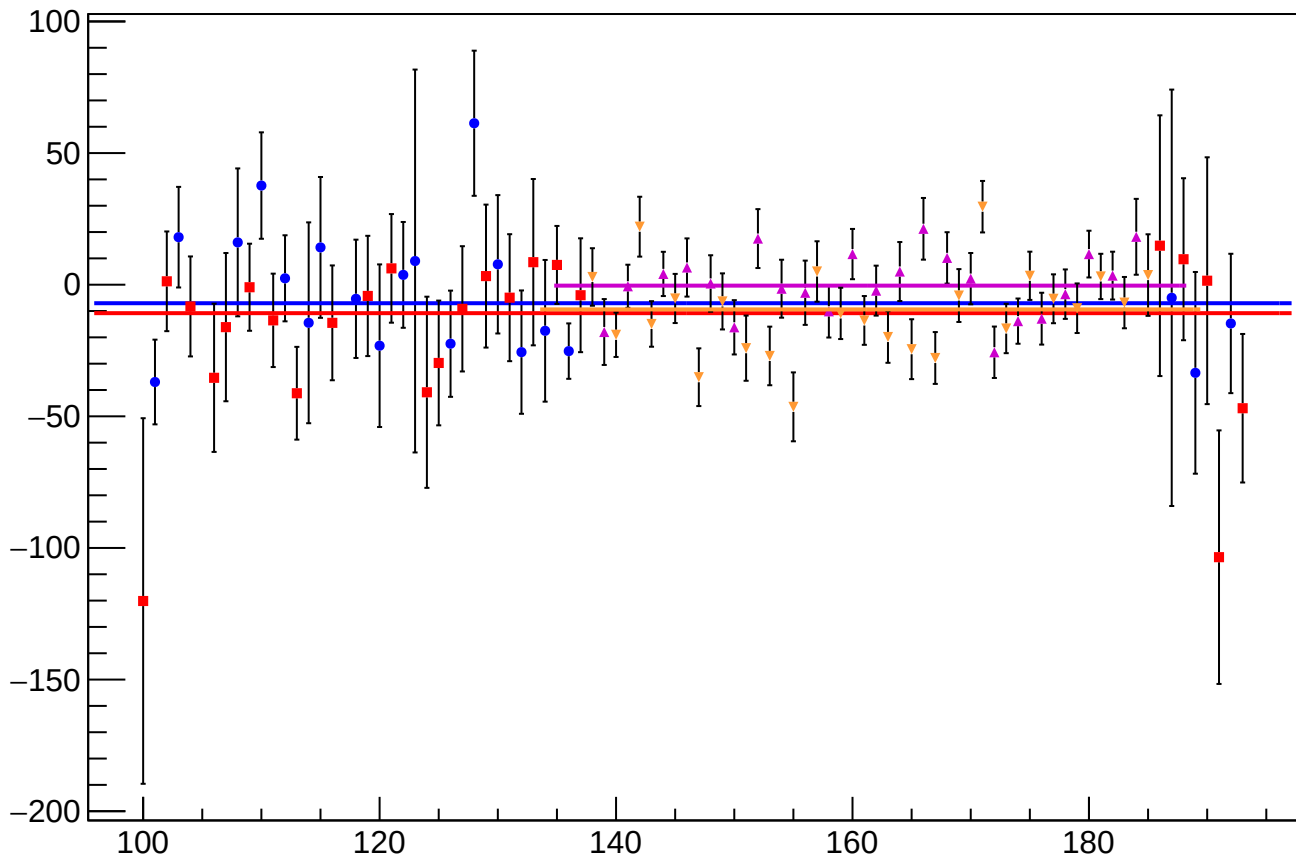
- sign 2.008 ± 1.388 χ^2/NDF : 60.9/46

diff_bpm4aY_rms vs Slug



Right In: 7280.530 ± 1.887 $\chi^2/\text{NDF}: 1131690.4/19$ + sign 7126.398 ± 0.996 $\chi^2/\text{NDF}: 1528393.2/44$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 7075.687 ± 0.699 $\chi^2/\text{NDF}: 3859628.2/91$
 Right Out: 7079.577 ± 1.712 $\chi^2/\text{NDF}: 1774668.7/23$ - sign 7026.484 ± 0.981 $\chi^2/\text{NDF}: 2326129.2/46$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -7.032 ± 4.906 χ^2/NDF : 23.7/19

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -10.811 ± 4.800 χ^2/NDF : 17.6/23

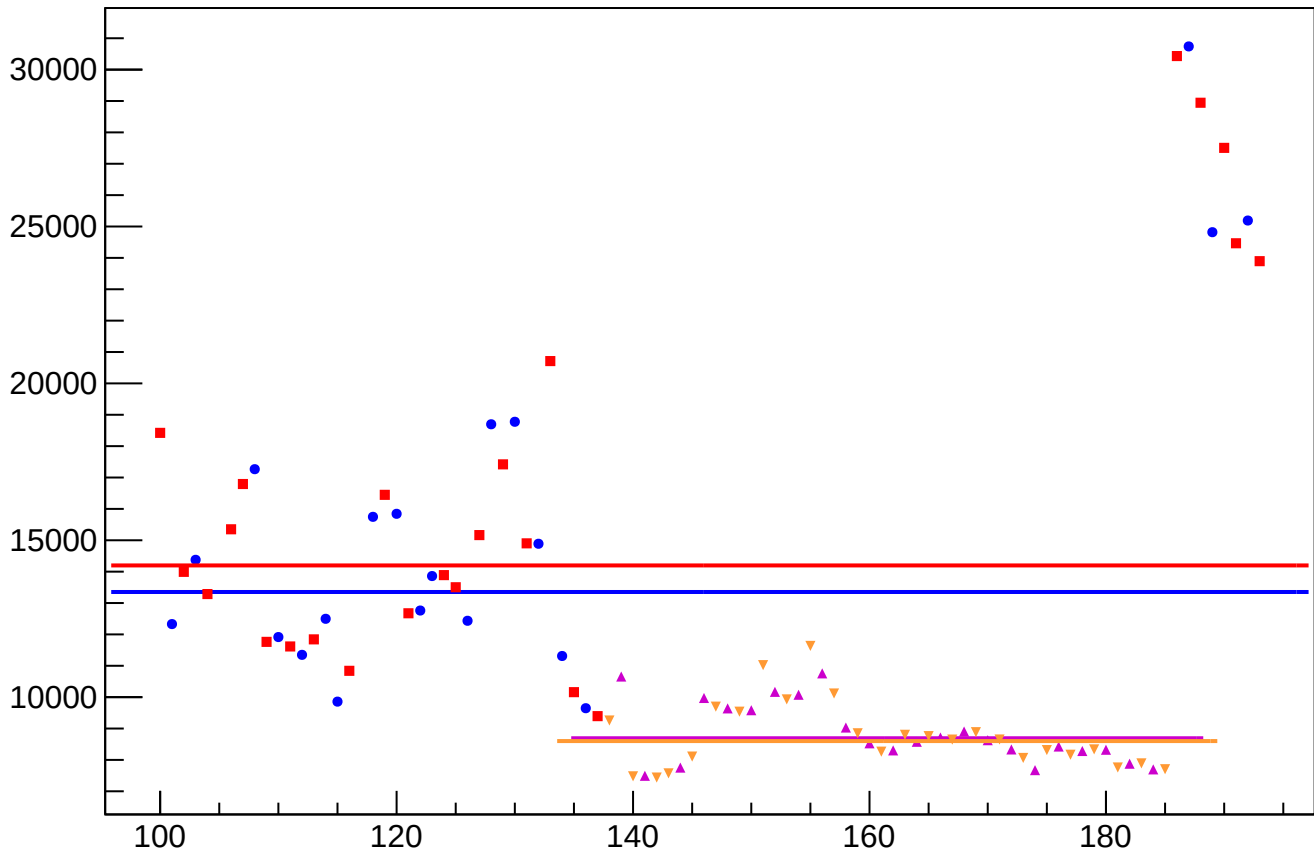
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.037 ± 1.866 χ^2/NDF : 82.3/44

All: -5.626 ± 1.337 χ^2/NDF : 140.5/91

- sign -2.023 ± 1.918 χ^2/NDF : 51.3/46

diff_bpm4eX_rms vs Slug



Right In: 13351.715+/-3.469 χ^2/NDF : 1273649.3/19

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

+ sign 9287.972+/-1.320 χ^2/NDF : 3316548.0/44

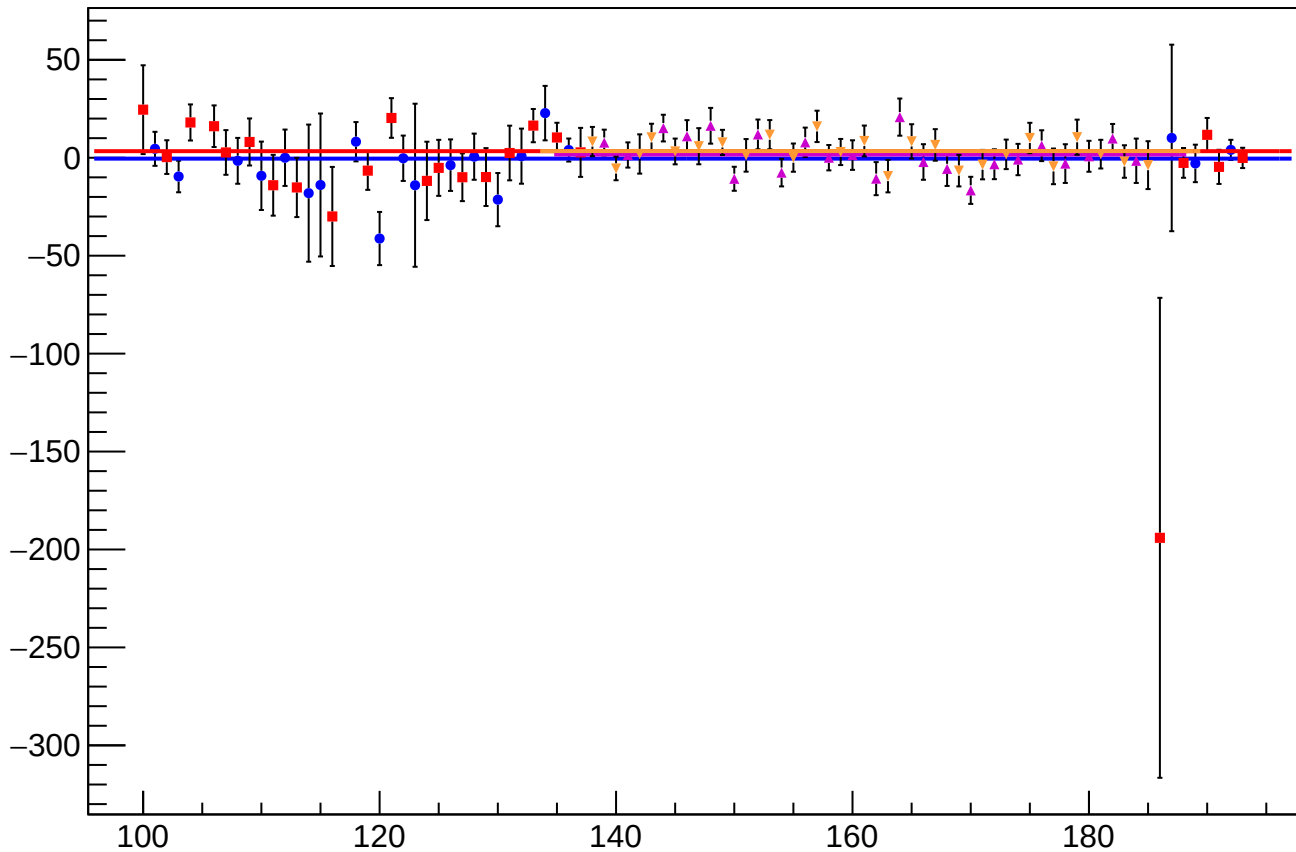
Right Out: 14198.185+/-3.394 χ^2/NDF : 1761911.2/23

All: 9424.899+/-0.946 χ^2/NDF : 7684342.9/91

Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

- sign 9569.546+/-1.356 χ^2/NDF : 4345650.9/46

diff_bpm4eY_mean vs Slug



Right In: -0.446 ± 2.385 χ^2/NDF : 18.8/19

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 3.358 ± 2.113 χ^2/NDF : 25.0/23

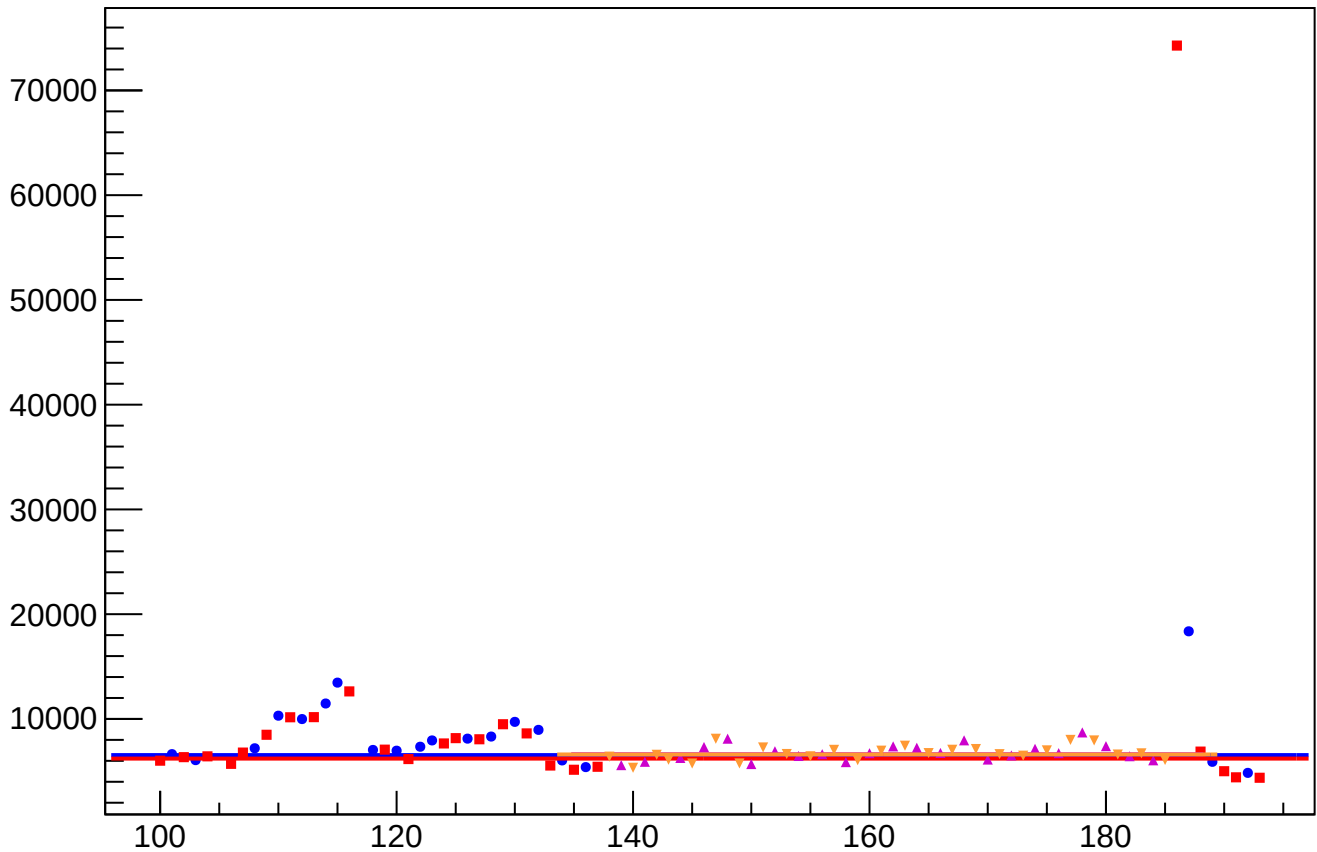
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.262 ± 1.300 χ^2/NDF : 37.5/44

All: 2.260 ± 0.910 χ^2/NDF : 96.4/91

- sign 2.257 ± 1.275 χ^2/NDF : 58.9/46

diff_bpm4eY_rms vs Slug



Right In: 6548.207+/-1.687 χ^2/NDF : 1020697.7/19

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 6213.849+/-1.494 χ^2/NDF : 1809010.2/23

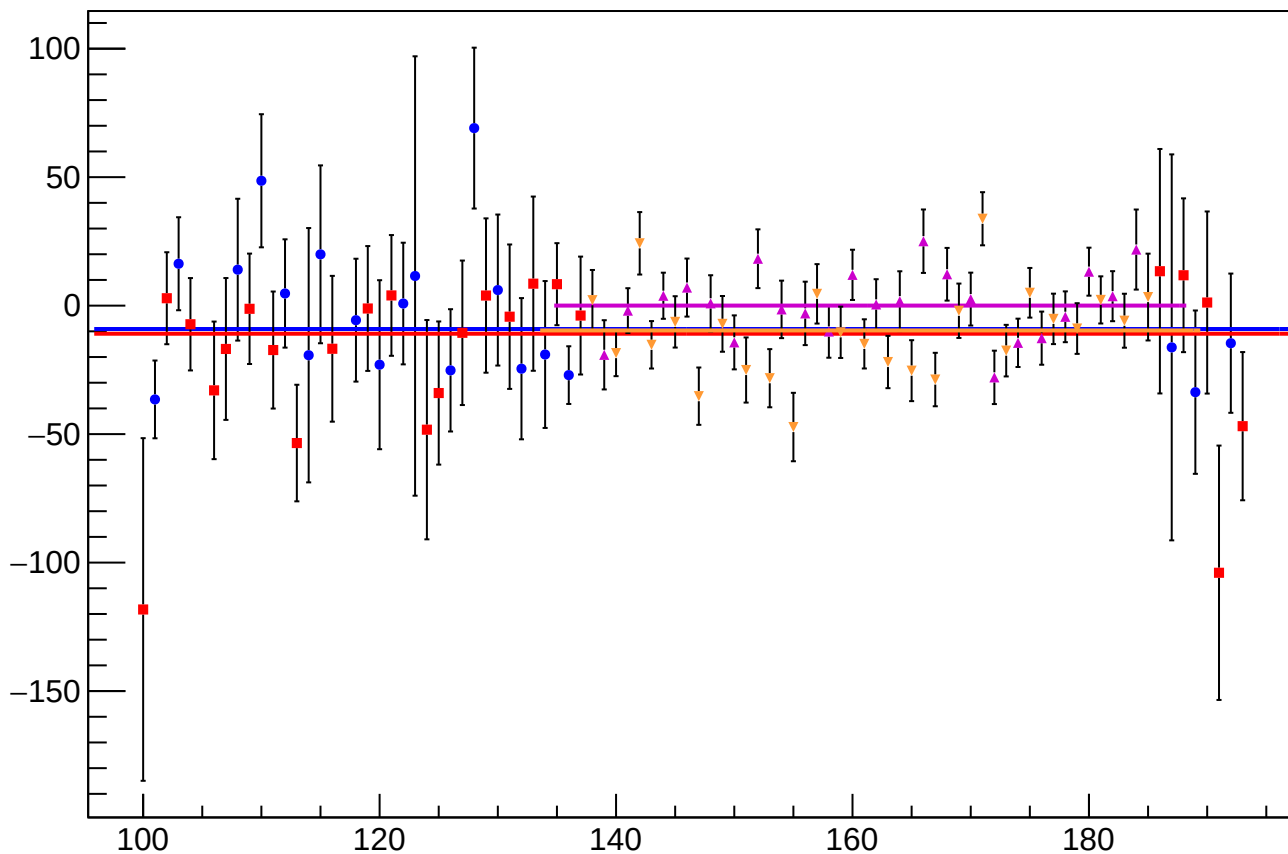
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6589.608+/-0.919 χ^2/NDF : 1419970.8/44

All: 6532.529+/-0.644 χ^2/NDF : 3715831.9/91

- sign 6477.609+/-0.902 χ^2/NDF : 2288295.2/46

diff_bpm4acX_mean vs Slug



Right In: -9.096 ± 5.325 χ^2/NDF : 23.1/19

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -10.930 ± 5.265 χ^2/NDF : 18.0/23

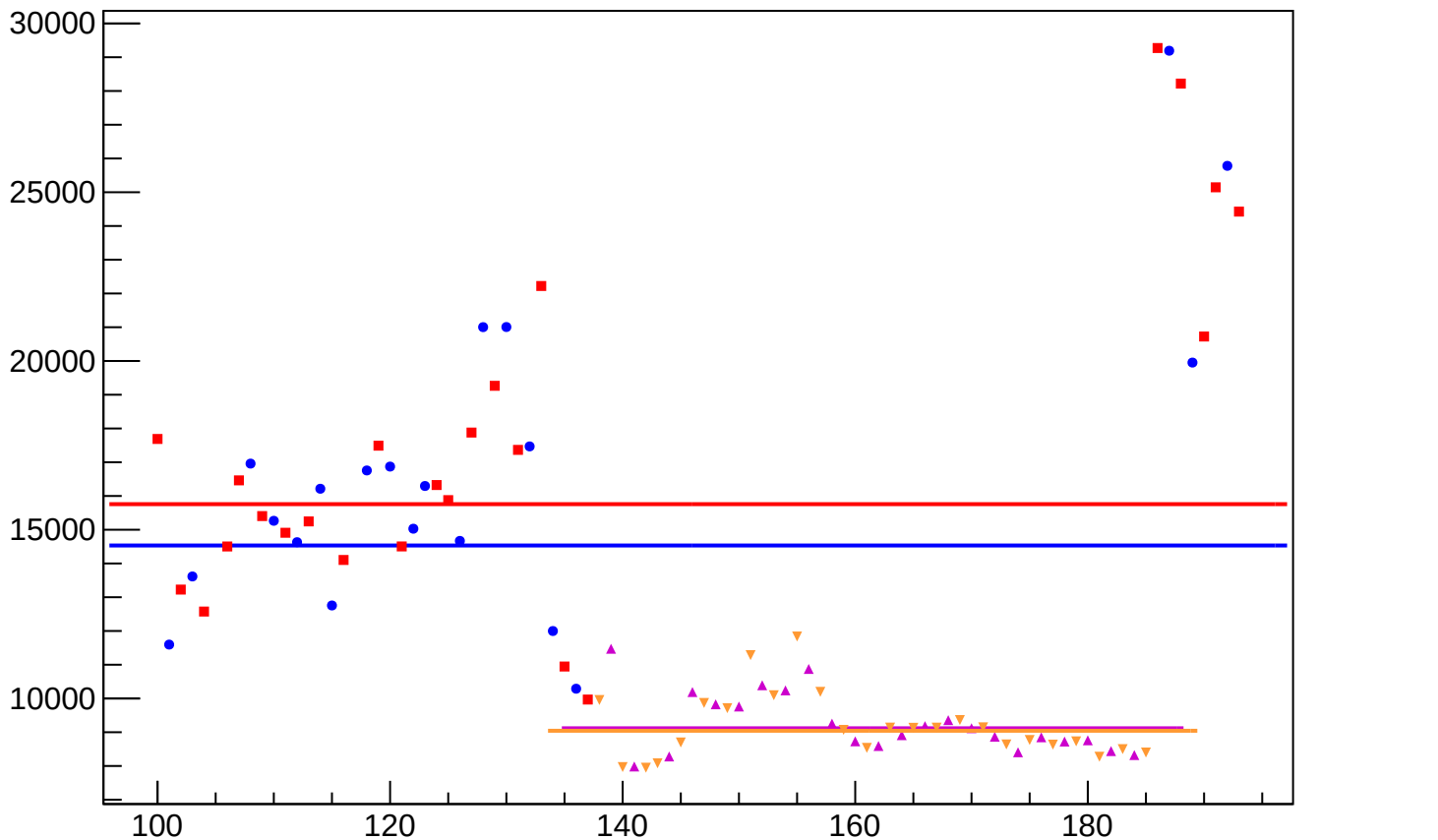
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.573 ± 1.968 χ^2/NDF : 82.9/44

All: -5.696 ± 1.411 χ^2/NDF : 143.3/91

- sign -1.598 ± 2.024 χ^2/NDF : 52.3/46

diff_bpm4acX_rms vs Slug



Right In: 14533.130 ± 3.765 χ^2/NDF : 1120192.5/19

Left Out: 9043.485 ± 1.498 χ^2/NDF : 328192.2/24

Right Out: 15757.770 ± 3.723 χ^2/NDF : 1364575.0/23

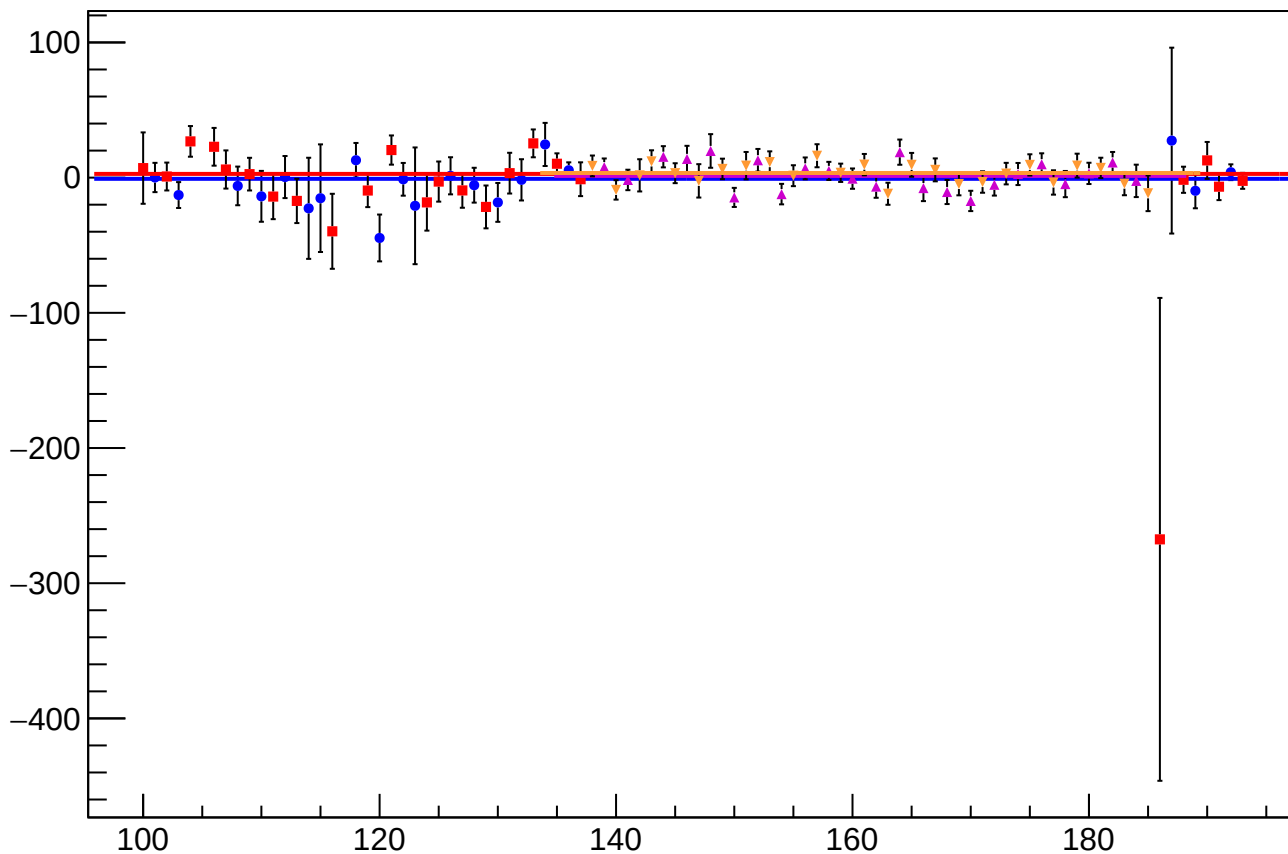
Left In: 9116.921 ± 1.550 χ^2/NDF : 277594.8/22

+ sign 9793.543 ± 1.392 χ^2/NDF : 3283751.0/44

All: 9941.514 ± 0.998 χ^2/NDF : 7660925.1/91

- sign 10097.935 ± 1.431 χ^2/NDF : 4353920.0/46

diff_bpm4acY_mean vs Slug



Right In: -0.872 ± 2.684 $\chi^2/\text{NDF}: 17.1/19$

Left Out: 3.439 ± 1.666 $\chi^2/\text{NDF}: 18.9/24$

Right Out: 2.765 ± 2.437 $\chi^2/\text{NDF}: 30.2/23$

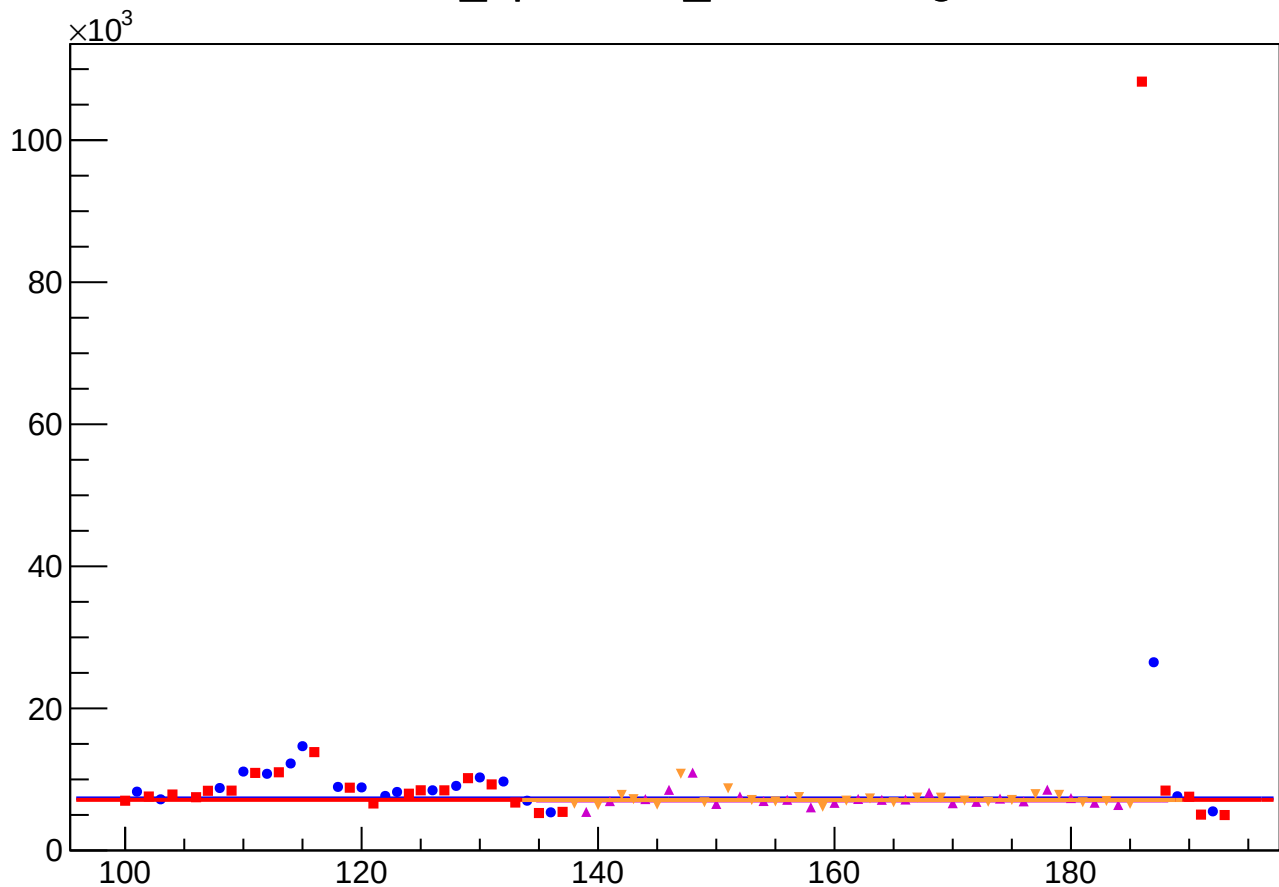
Left In: 1.291 ± 1.701 $\chi^2/\text{NDF}: 36.5/22$

+ sign 2.240 ± 1.416 $\chi^2/\text{NDF}: 37.9/44$

All: 2.004 ± 0.993 $\chi^2/\text{NDF}: 104.9/91$

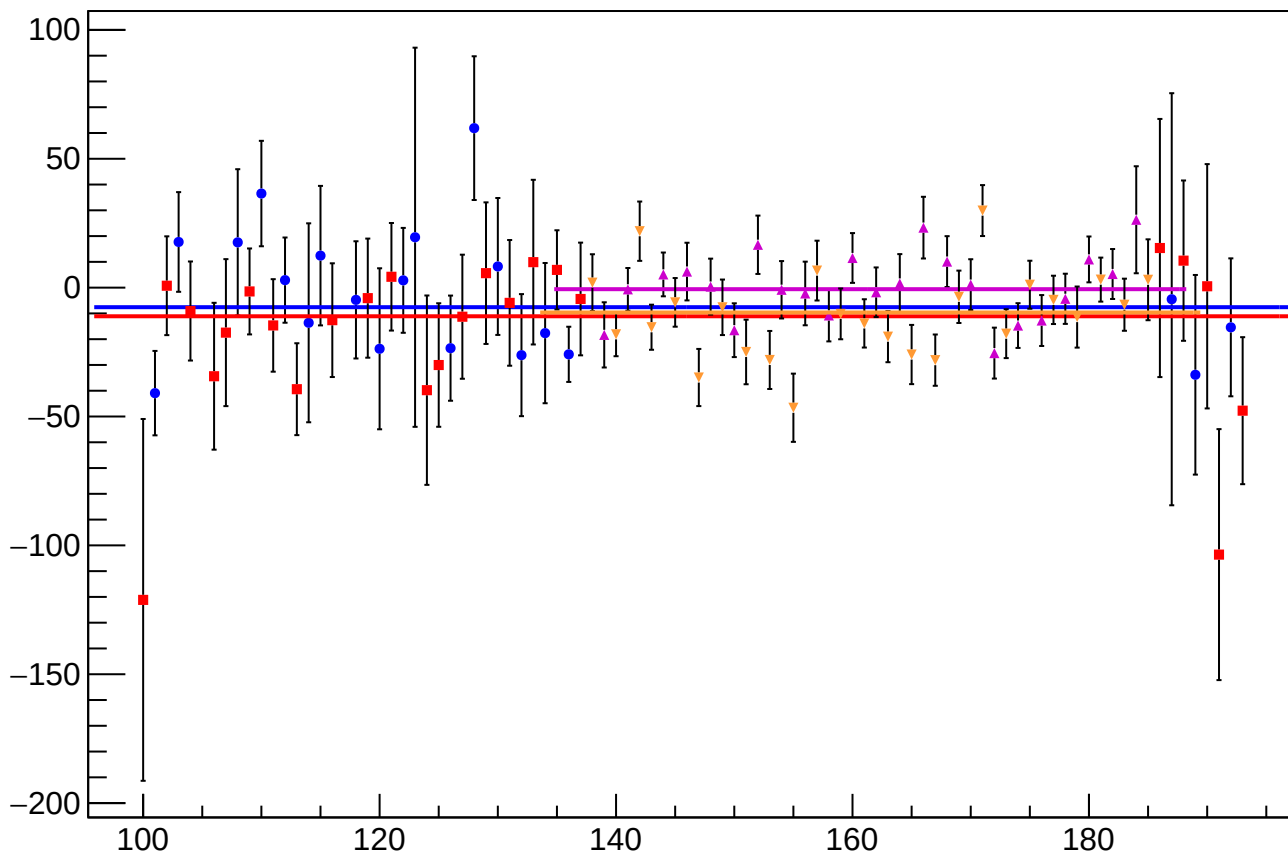
- sign 1.774 ± 1.395 $\chi^2/\text{NDF}: 67.0/46$

diff_bpm4acY_rms vs Slug



Right In: 7323.802+/-1.898 χ^2/NDF : 1133824.7/19 + sign 7161.332+/-1.001 χ^2/NDF : 1526527.7/44
Left Out: 7098.726+/-1.178 χ^2/NDF : 382550.4/24 All: 7111.767+/-0.702 χ^2/NDF : 3847358.0/9
Right Out: 7125.111+/-1.723 χ^2/NDF : 1773069.7/23 - sign 7063.650+/-0.986 χ^2/NDF : 2315997.7/46
Left In: 7033.702+/-1.203 χ^2/NDF : 541035.5/22

diff_bpm4ecX_mean vs Slug



Right In: -7.585 $\pm$ 4.971 χ^2/NDF : 24.3/19

Left Out: -9.640 $\pm$ 2.057 χ^2/NDF : 57.6/24

Right Out: -11.111 $\pm$ 4.867 χ^2/NDF : 16.7/23

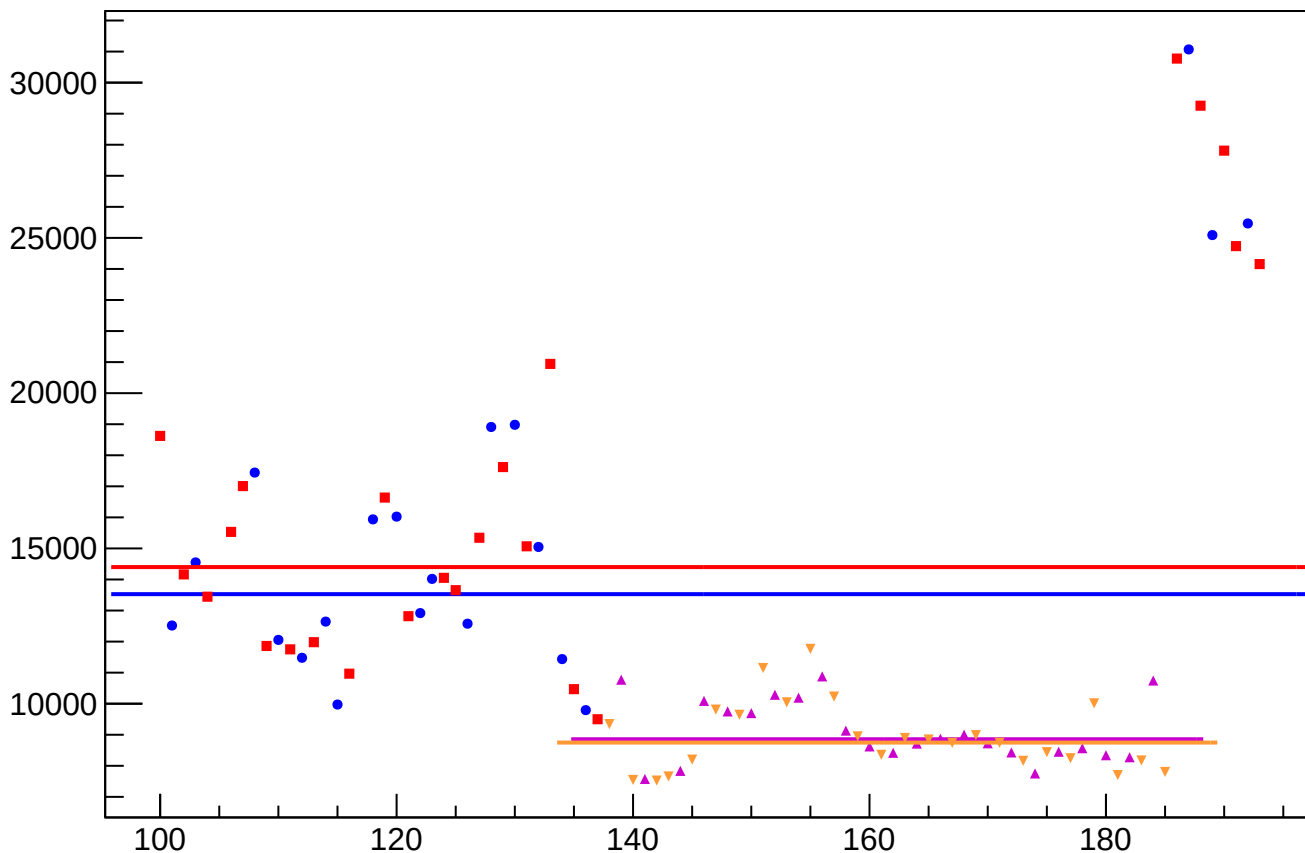
Left In: -0.599 $\pm$ 2.135 χ^2/NDF : 29.7/22

+ sign -9.340 $\pm$ 1.901 χ^2/NDF : 82.1/44

All: -5.917 $\pm$ 1.363 χ^2/NDF : 139.1/91

- sign -2.296 $\pm$ 1.955 χ^2/NDF : 50.3/46

diff_bpm4ecX_rms vs Slug



Right In: 13527.652+/-3.515 χ^2/NDF : 1264061.9/19

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 14399.419+/-3.442 χ^2/NDF : 1741677.7/23

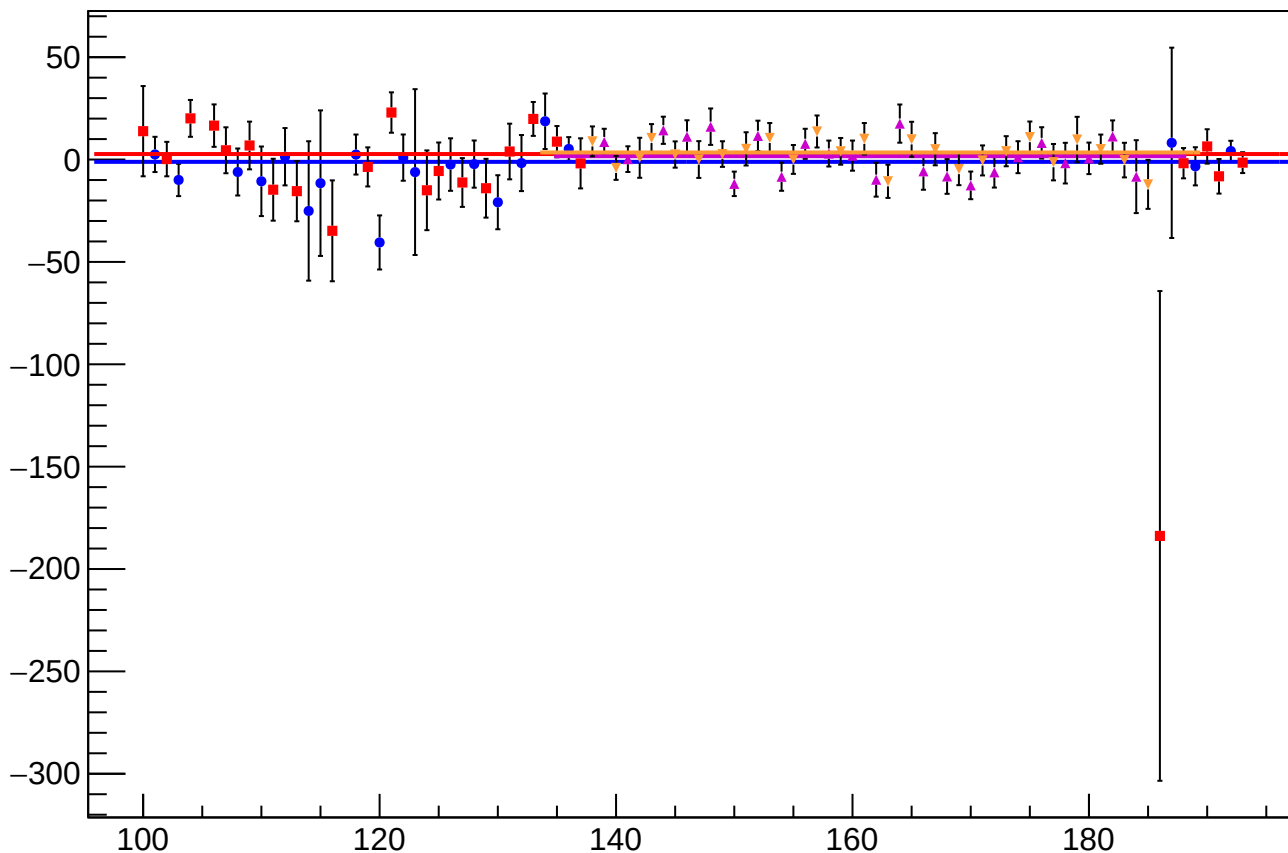
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9447.321+/-1.344 χ^2/NDF : 3305916.8/44

All: 9594.494+/-0.964 χ^2/NDF : 7615825.2/91

- sign 9750.196+/-1.383 χ^2/NDF : 4285236.3/46

diff_bpm4ecY_mean vs Slug



Right In: -1.122 ± 2.331 χ^2/NDF : 18.4/19

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.695 ± 2.068 χ^2/NDF : 30.2/23

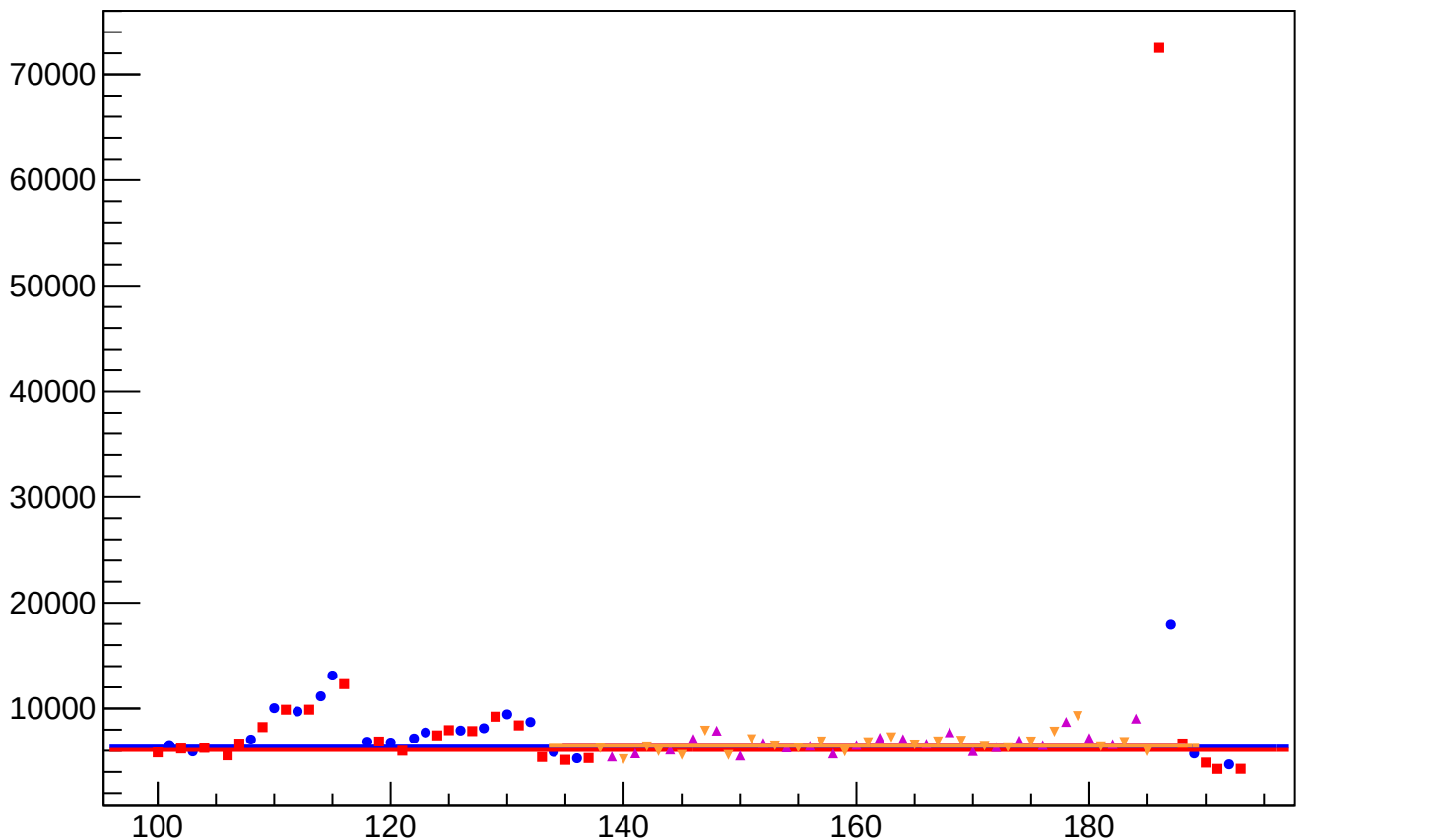
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.097 ± 1.276 χ^2/NDF : 36.9/44

All: 2.061 ± 0.894 χ^2/NDF : 100.9/91

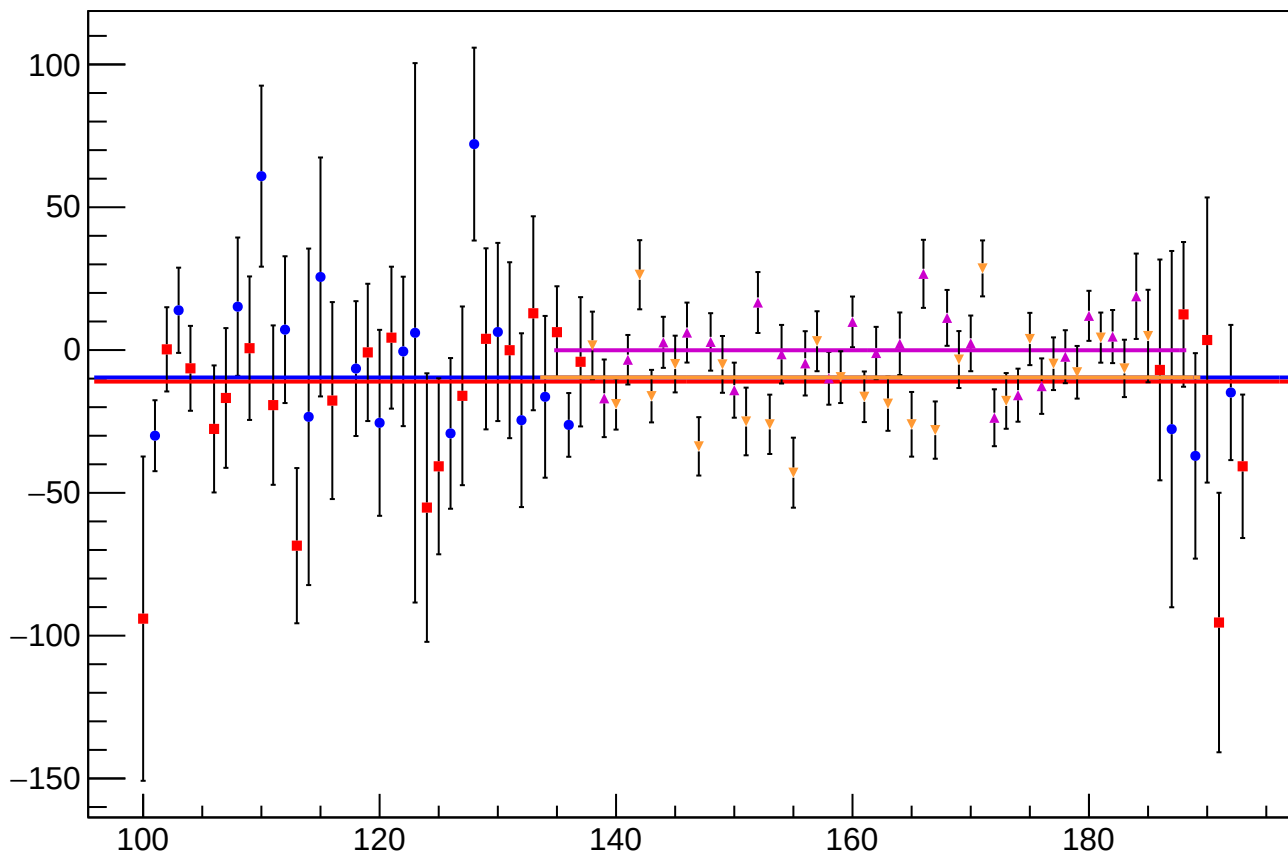
- sign 2.027 ± 1.254 χ^2/NDF : 64.1/46

diff_bpm4ecY_rms vs Slug



Right In: 6394.664+/-1.648	χ^2/NDF : 1016961.2/19	+ sign 6448.822+/-0.902	χ^2/NDF : 1508785.0/44
Left Out: 6471.976+/-1.078	χ^2/NDF : 490282.9/24	All: 6403.281+/-0.632	χ^2/NDF : 3836938.6/91
Right Out: 6079.668+/-1.462	χ^2/NDF : 1785288.2/23	- sign 6359.249+/-0.887	χ^2/NDF : 2323141.1/46
Left In: 6521.975+/-1.116	χ^2/NDF : 480034.7/22		

diff_bpm1X_mean vs Slug



Right In: -9.606 ± 5.208 χ^2/NDF : 22.7/19

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -11.043 ± 5.164 χ^2/NDF : 18.5/23

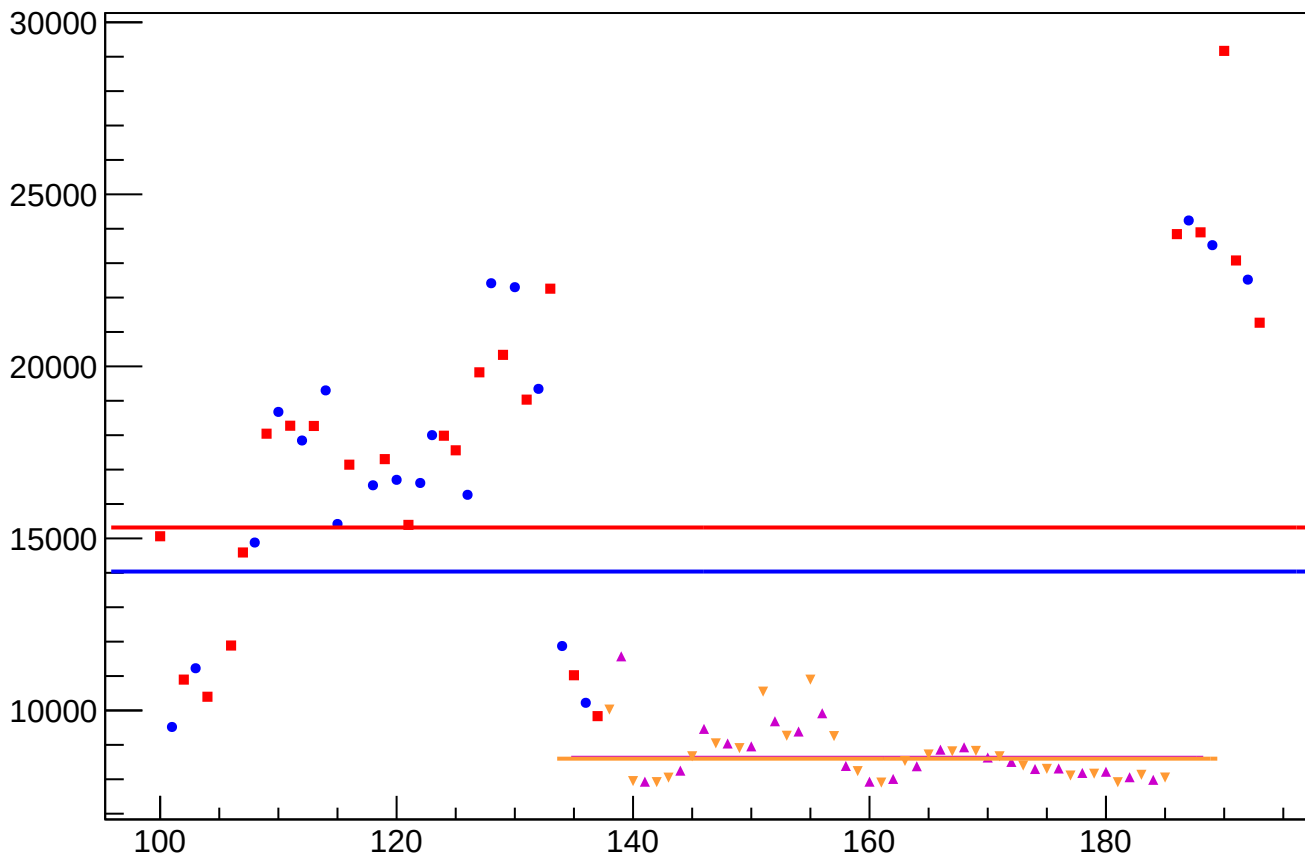
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.561 ± 1.877 χ^2/NDF : 82.2/44

All: -5.676 ± 1.343 χ^2/NDF : 143.2/91

- sign -1.594 ± 1.924 χ^2/NDF : 52.2/46

diff_bpm1X_rms vs Slug



Right In: 14037.299+/-3.682 χ^2/NDF : 1535387.0/19

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

Right Out: 15317.657+/-3.651 χ^2/NDF : 1669659.2/23

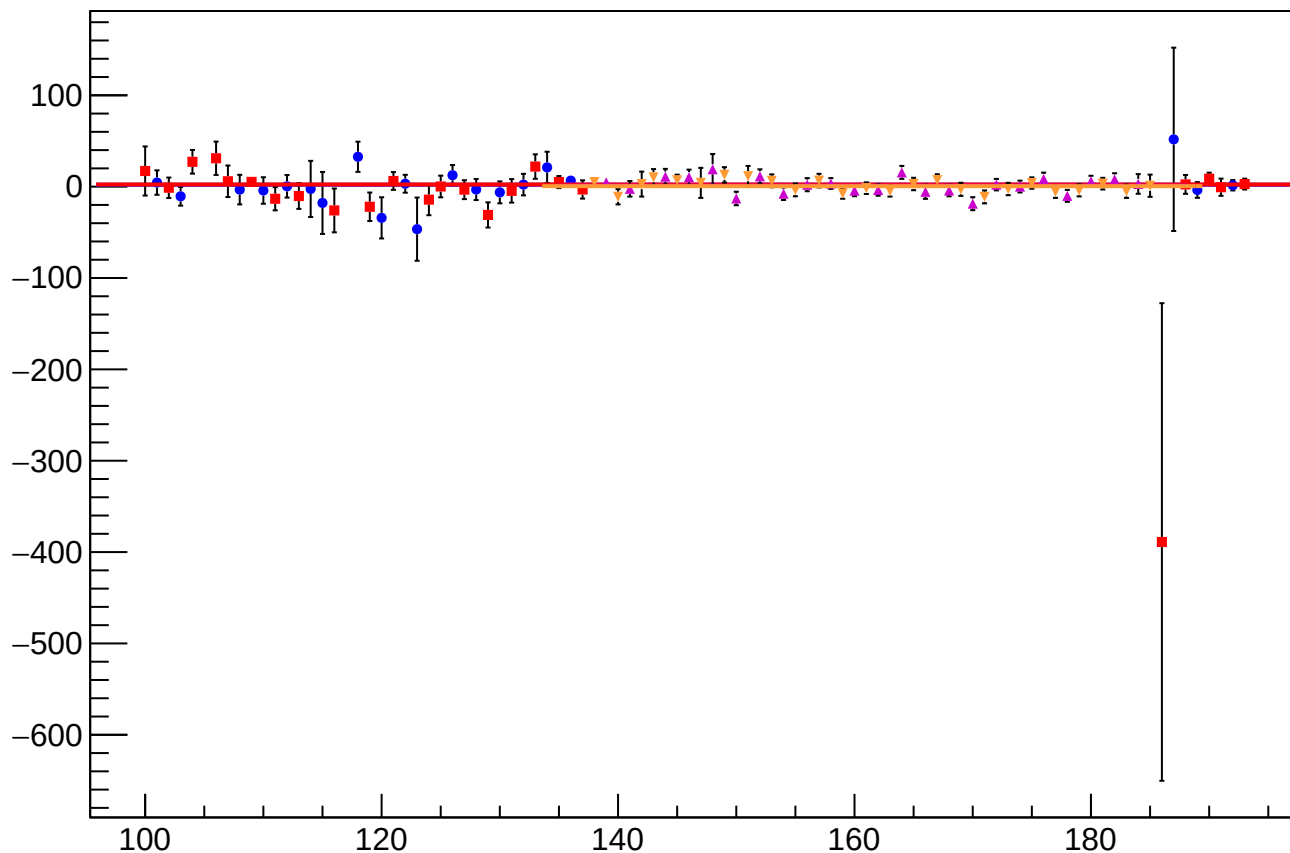
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9305.155+/-1.327 χ^2/NDF : 3682264.5/44

All: 9426.479+/-0.950 χ^2/NDF : 8499786.5/91

- sign 9553.949+/-1.360 χ^2/NDF : 4800379.6/46

diff_bpm1Y_mean vs Slug



Right In: 2.129 $\pm$ 2.388 χ^2 /NDF: 14.7/19

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 2.363 $\pm$ 2.046 χ^2 /NDF: 26.6/23

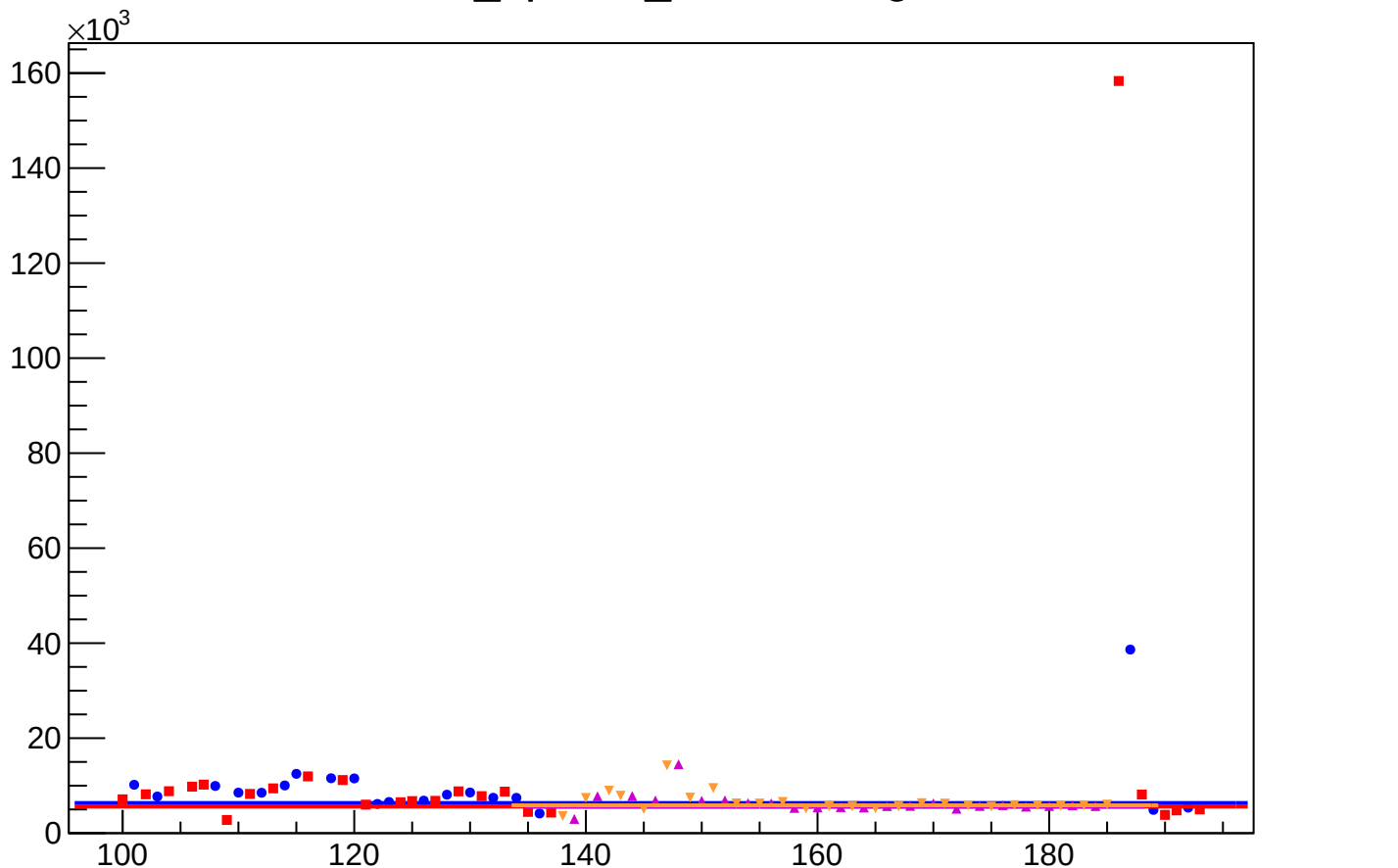
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.945 $\pm$ 1.219 χ^2 /NDF: 34.5/44

All: 1.220 $\pm$ 0.838 χ^2 /NDF: 94.1/91

- sign 1.467 $\pm$ 1.153 χ^2 /NDF: 59.4/46

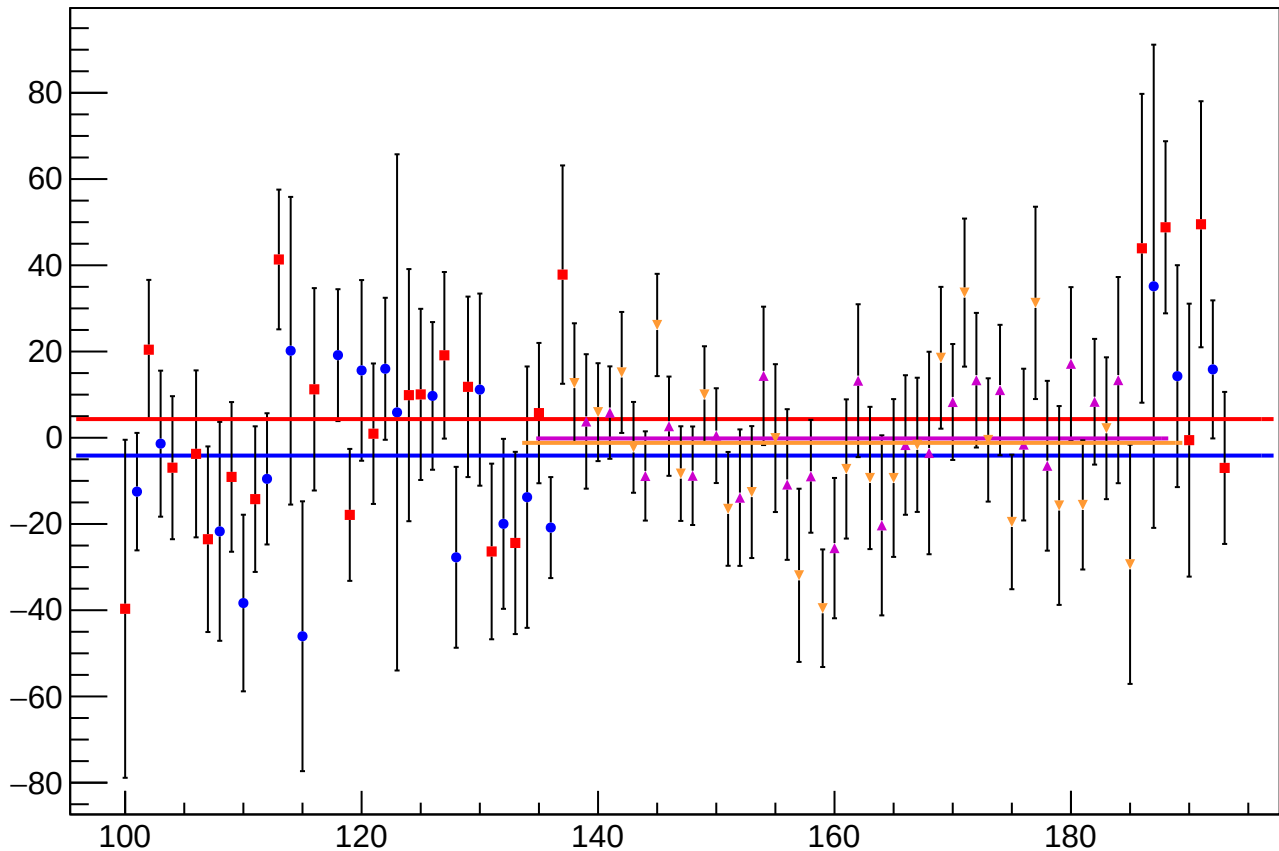
diff_bpm1Y_rms vs Slug



Right In: 6350.735 ± 1.688 $\chi^2/\text{NDF}: 1743475.3/19$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$
 Right Out: 5606.841 ± 1.447 $\chi^2/\text{NDF}: 3279759.0/23$
 Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

+ sign 5988.340 ± 0.862 $\chi^2/\text{NDF}: 3495830.5/44$
 All: 5774.173 ± 0.592 $\chi^2/\text{NDF}: 9055748.2/91$
 - sign 5582.606 ± 0.815 $\chi^2/\text{NDF}: 5442958.5/46$

diff_bpm11X_mean vs Slug



Right In: -4.133 ± 4.310 χ^2/NDF : 18.5/19

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 4.329 ± 4.056 χ^2/NDF : 29.7/23

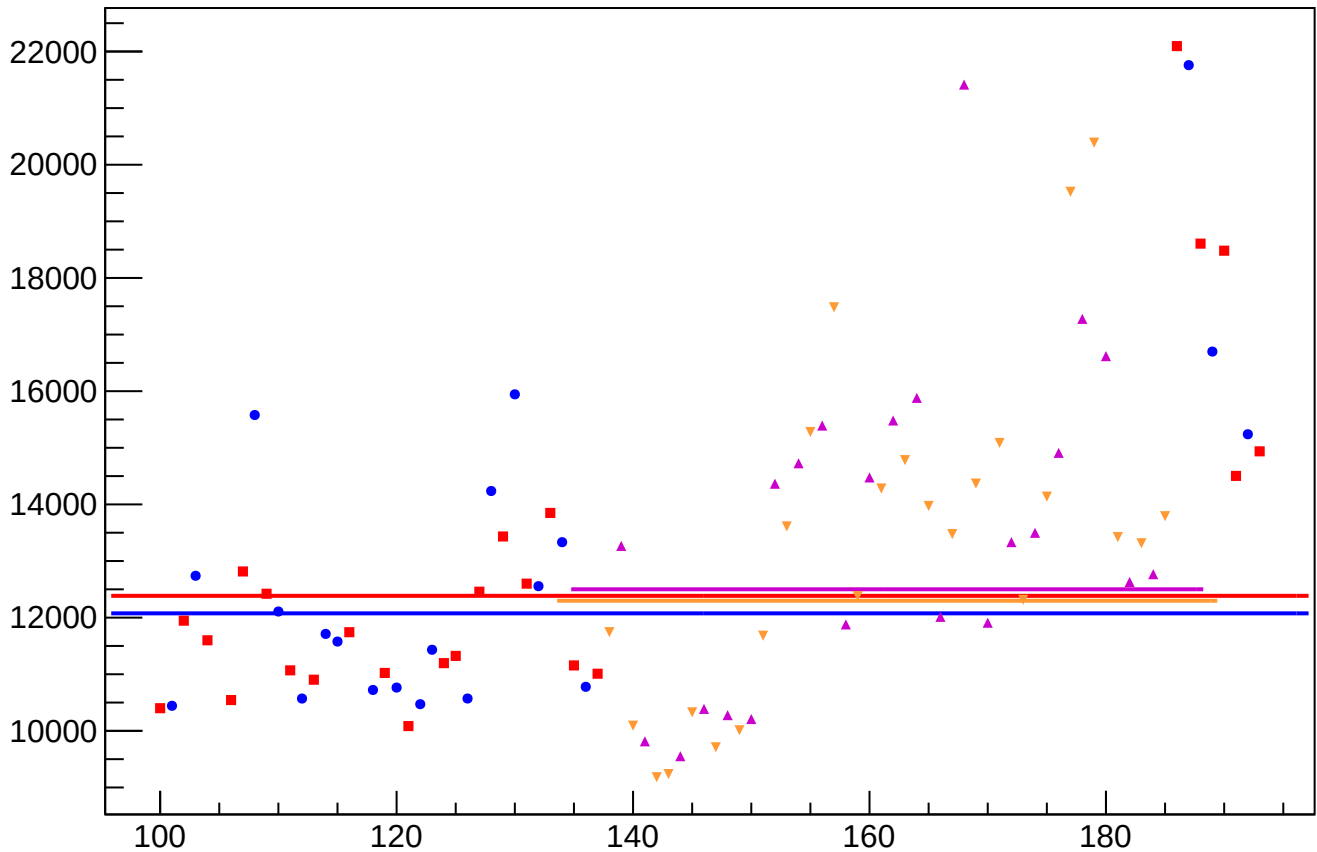
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.119 ± 2.428 χ^2/NDF : 52.5/44

All: -0.335 ± 1.722 χ^2/NDF : 95.6/91

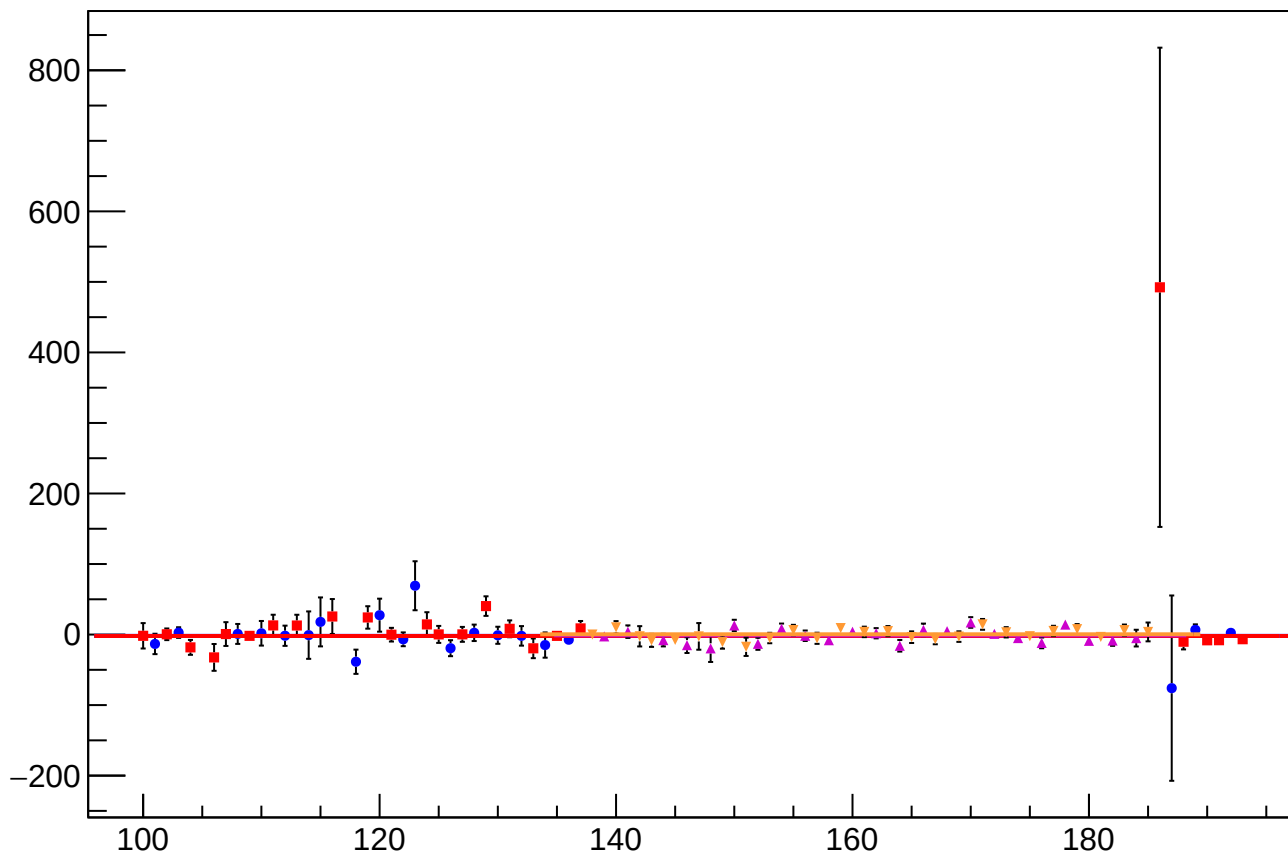
- sign 1.469 ± 2.442 χ^2/NDF : 42.0/46

diff_bpm11X_rms vs Slug



Right In: 12075.648+/-3.048	χ^2/NDF : 461409.4/19	+ sign 12227.889+/-1.717	χ^2/NDF : 1971092.1/44
Left Out: 12298.676+/-2.078	χ^2/NDF : 1506026.8/24	All: 12342.766+/-1.217	χ^2/NDF : 3964702.1/5
Right Out: 12385.308+/-2.868	χ^2/NDF : 625683.1/23	- sign 12458.933+/-1.727	χ^2/NDF : 1984606.2/46
Left In: 12500.795+/-2.162	χ^2/NDF : 1357889.1/22		

diff_bpm11Y_mean vs Slug



Right In: -1.871 ± 2.236 $\chi^2/\text{NDF}: 18.9/19$

Left Out: 0.353 ± 1.433 $\chi^2/\text{NDF}: 19.1/24$

Right Out: -2.027 ± 1.954 $\chi^2/\text{NDF}: 29.7/23$

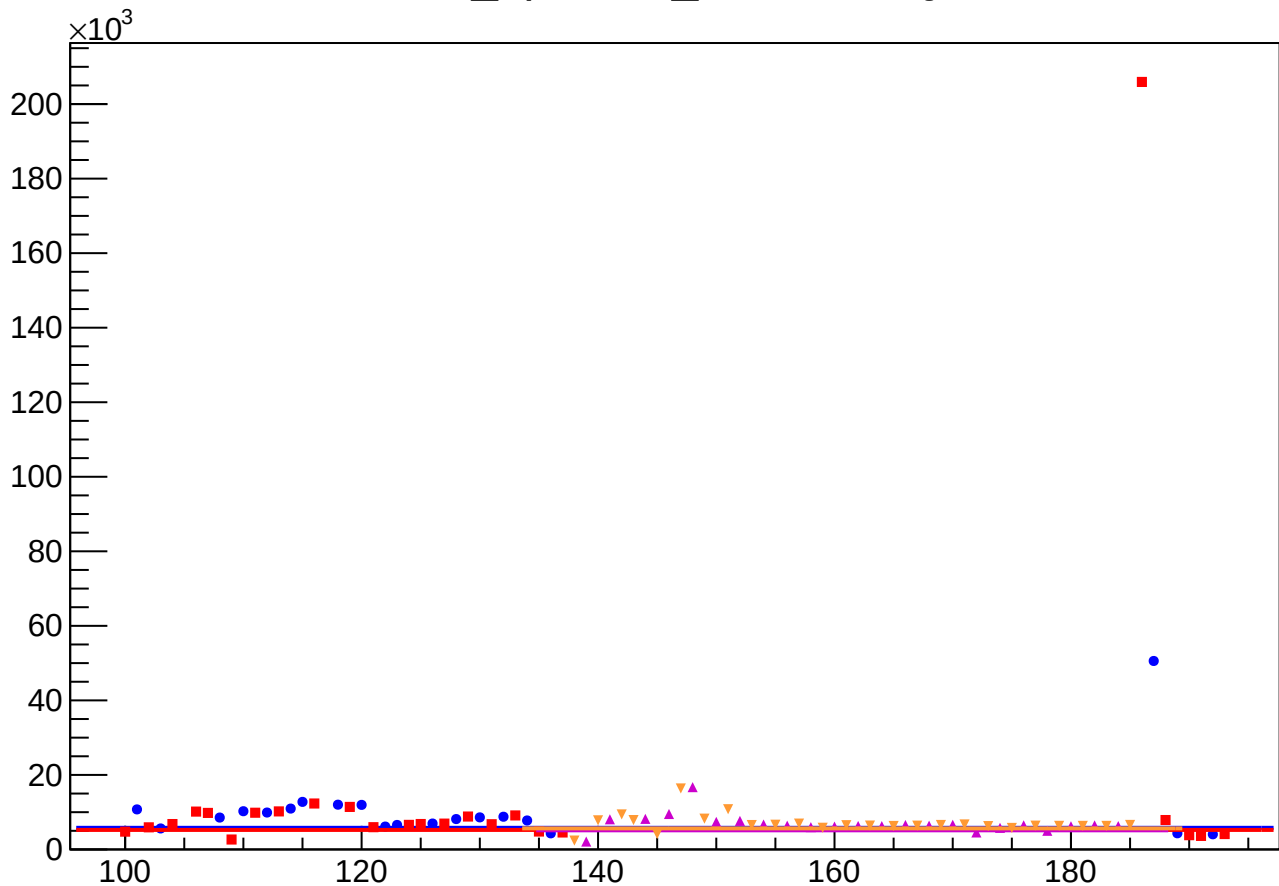
Left In: -1.165 ± 1.371 $\chi^2/\text{NDF}: 33.6/22$

+ sign -0.295 ± 1.207 $\chi^2/\text{NDF}: 38.8/44$

All: -0.914 ± 0.822 $\chi^2/\text{NDF}: 102.7/91$

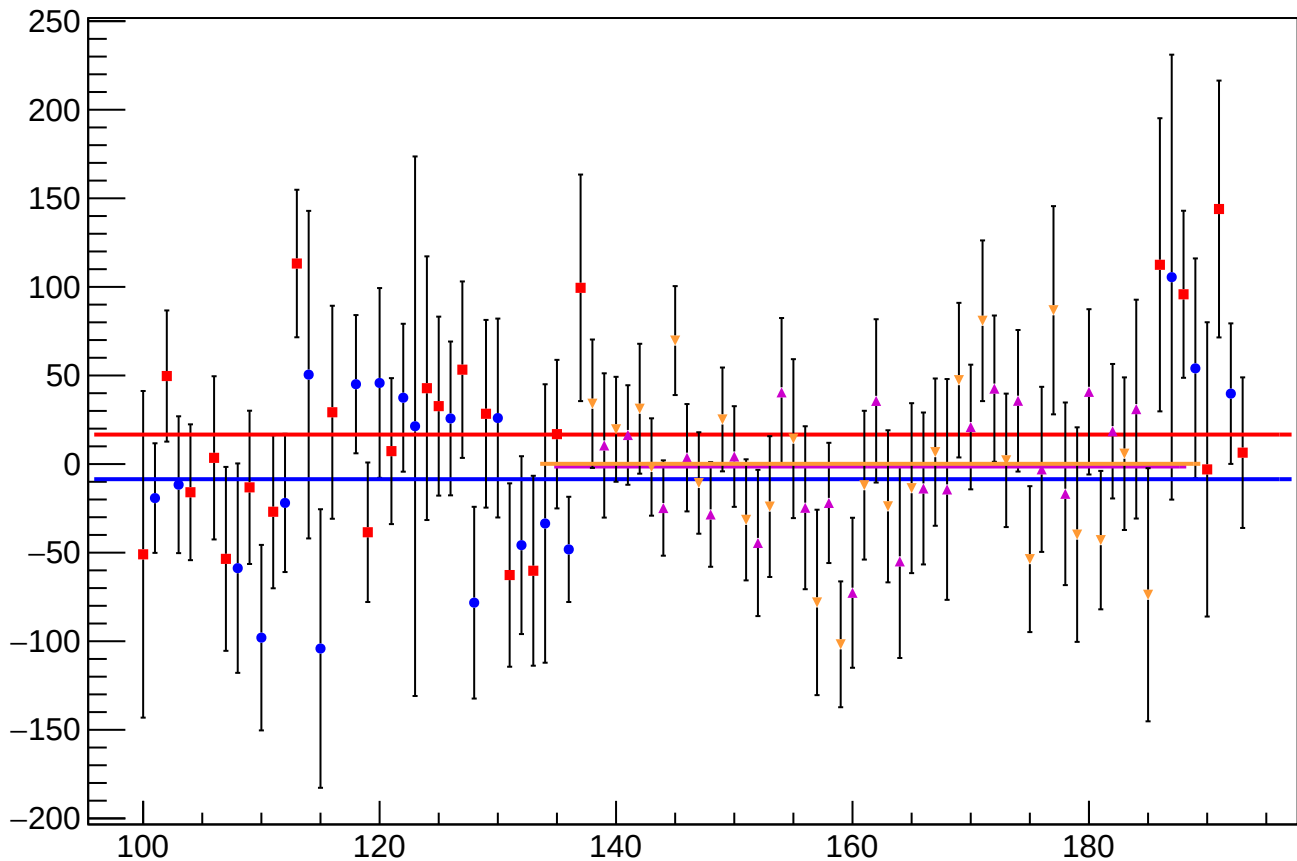
- sign -1.450 ± 1.123 $\chi^2/\text{NDF}: 63.5/46$

diff_bpm11Y_rms vs Slug



Right In: 5806.225 ± 1.581 $\chi^2/\text{NDF}: 2290025.6/19$ + sign 5702.195 ± 0.853 $\chi^2/\text{NDF}: 6424717.9/44$
 Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$ All: 5417.649 ± 0.581 $\chi^2/\text{NDF}: 15498261.5/9$
 Right Out: 5239.729 ± 1.382 $\chi^2/\text{NDF}: 3366850.7/23$ - sign 5171.415 ± 0.794 $\chi^2/\text{NDF}: 8866108.2/46$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

diff_bpm12X_mean vs Slug



Right In: -8.534 ± 10.680 χ^2/NDF : 18.4/19

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 16.650 ± 10.060 χ^2/NDF : 27.1/23

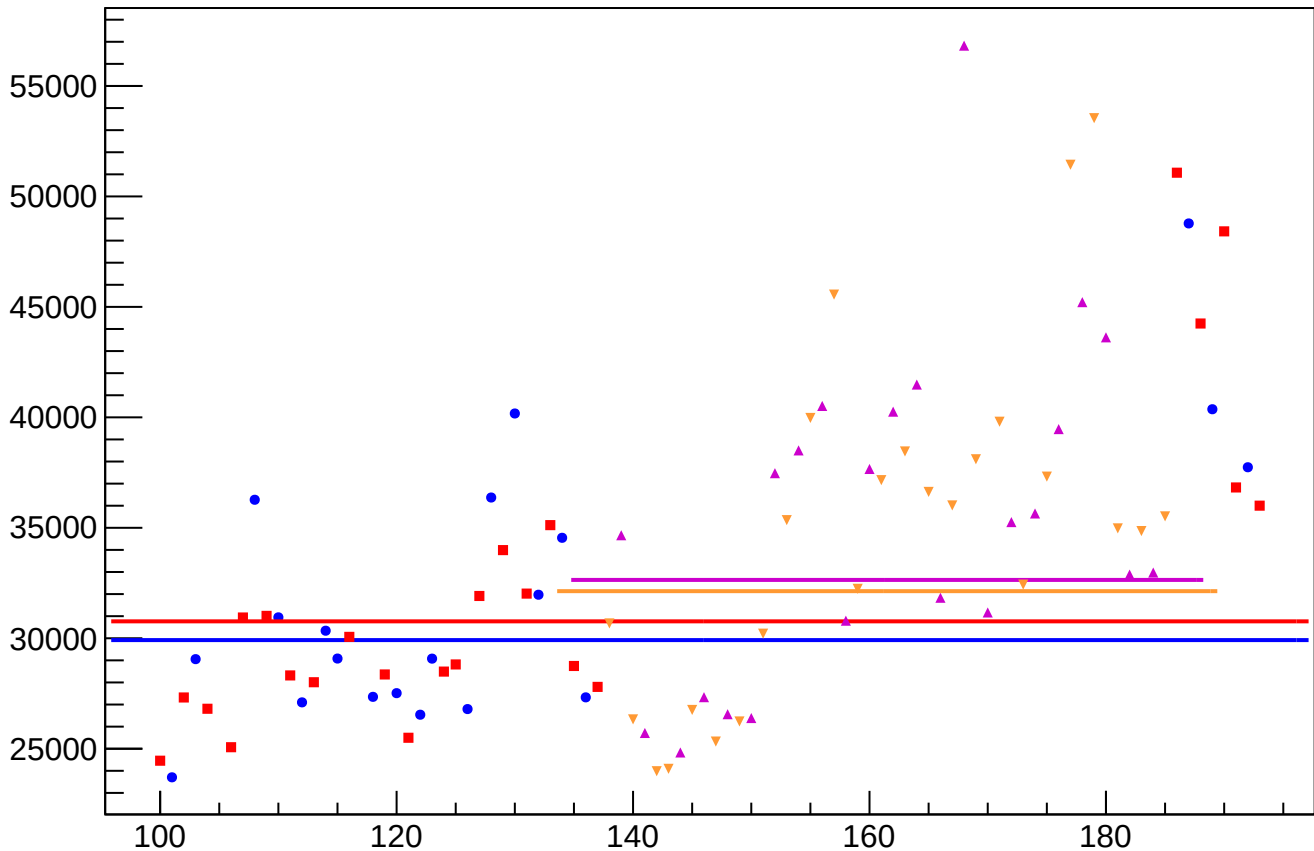
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -2.816 ± 6.237 χ^2/NDF : 50.1/44

All: 1.377 ± 4.417 χ^2/NDF : 93.4/91

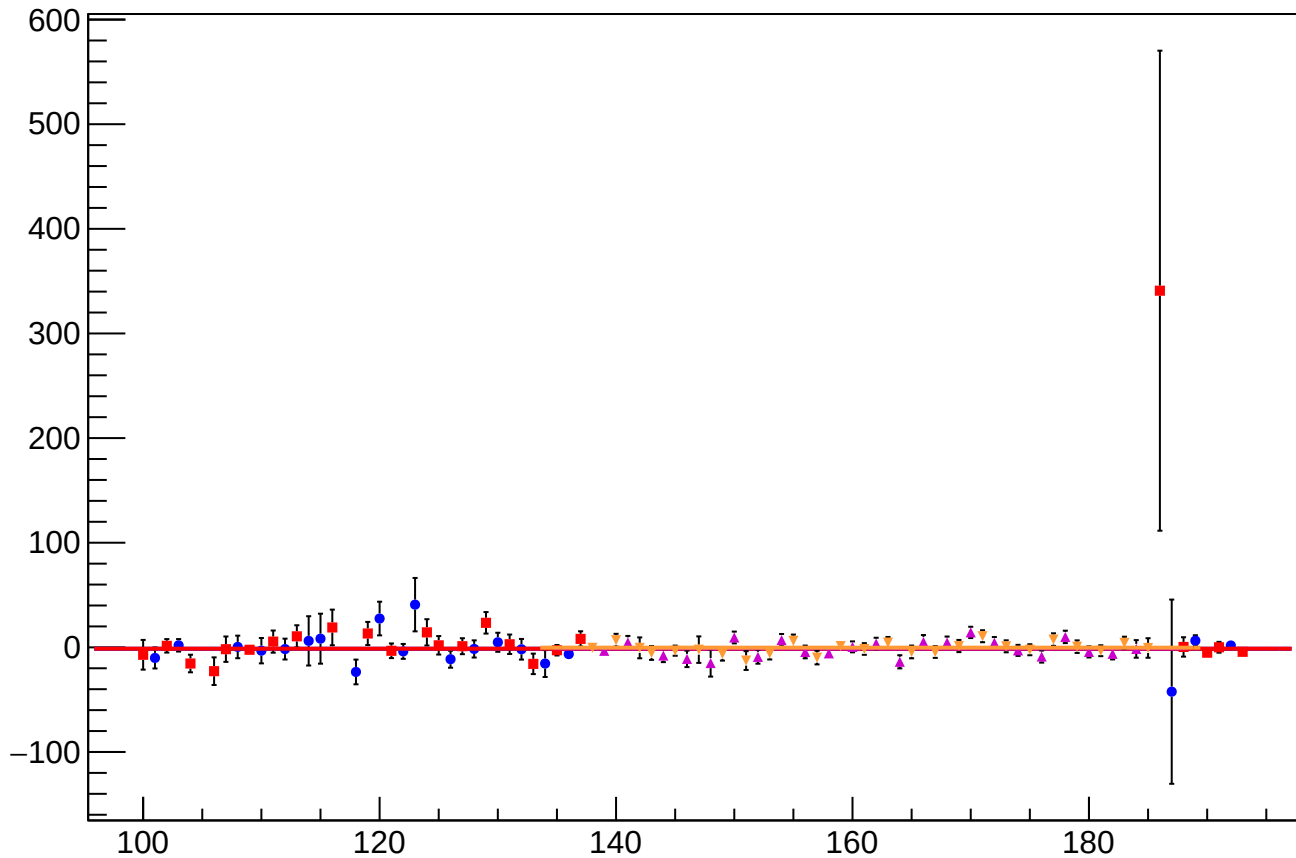
- sign 5.598 ± 6.257 χ^2/NDF : 42.4/46

diff_bpm12X_rms vs Slug



Right In: 29917.220+/-7.552	χ^2/NDF : 452883.4/19	+ sign 31376.911+/-4.410	χ^2/NDF : 2049653.2/44
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 31645.472+/-3.123	χ^2/NDF : 4091619.9/9
Right Out: 30765.762+/-7.114	χ^2/NDF : 589747.0/23	- sign 31915.745+/-4.424	χ^2/NDF : 2034526.8/46
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: -1.387 ± 1.609 χ^2/NDF : 19.9/19

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -1.289 ± 1.453 χ^2/NDF : 26.5/23

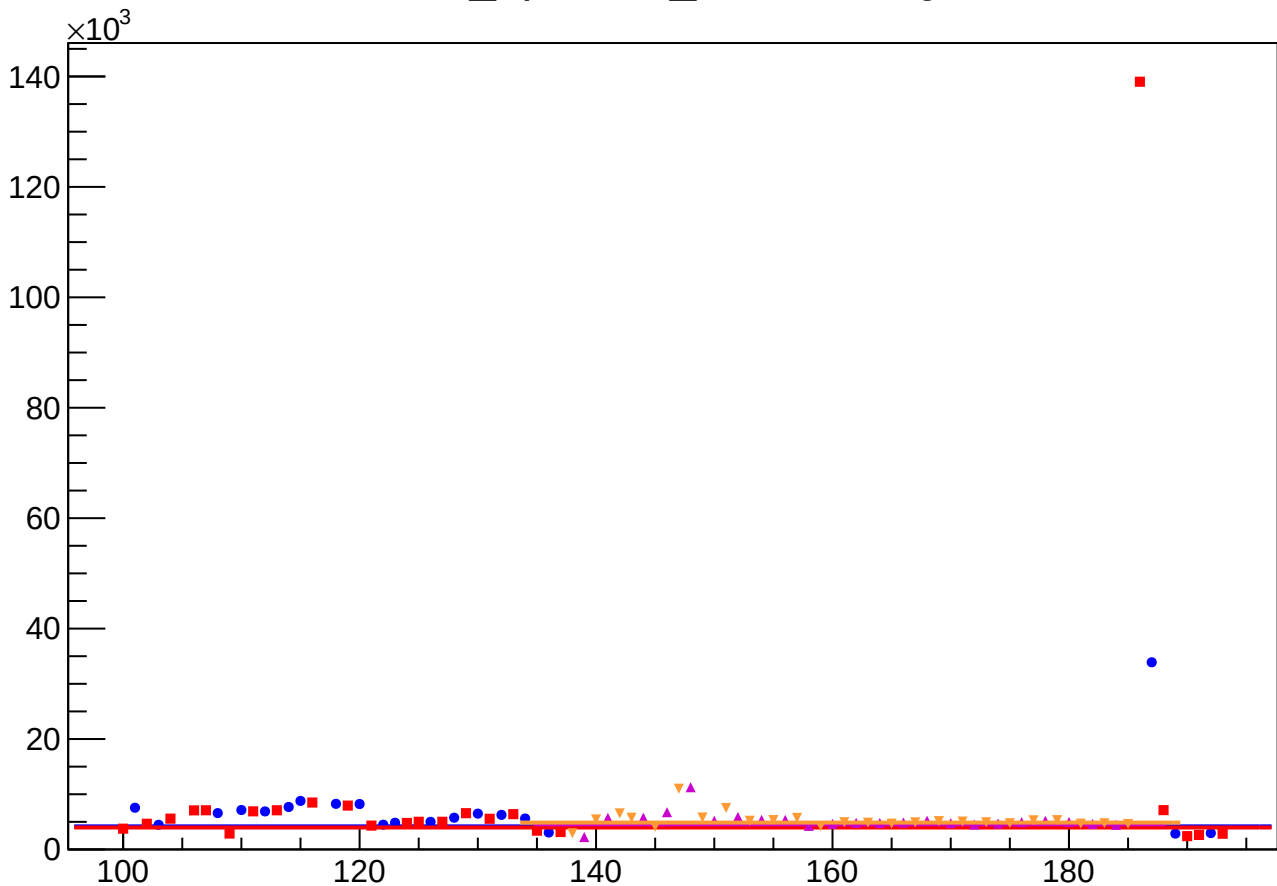
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.684 ± 0.947 χ^2/NDF : 37.9/44

All: -0.879 ± 0.652 χ^2/NDF : 100.6/91

- sign -1.053 ± 0.898 χ^2/NDF : 62.7/46

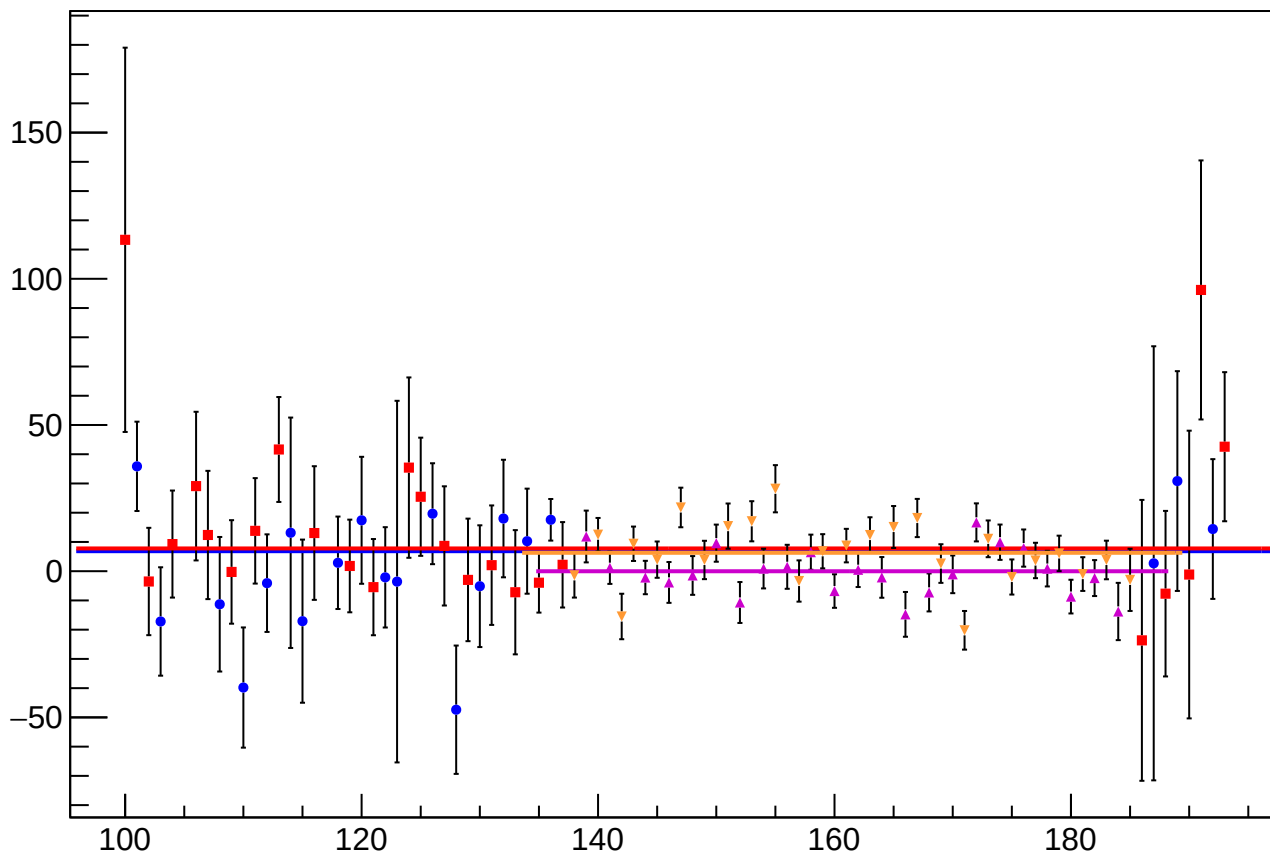
diff_bpm12Y_rms vs Slug



Right In: 4184.292 ± 1.138 χ^2/NDF : 2298173.7/19
 Left Out: 4868.567 ± 0.829 χ^2/NDF : 1511151.0/24
 Right Out: 3975.990 ± 1.027 χ^2/NDF : 3181117.8/23
 Left In: 4544.337 ± 0.808 χ^2/NDF : 2634314.4/22

+ sign 4631.507 ± 0.670 χ^2/NDF : 4045645.6/44
 All: 4471.275 ± 0.461 χ^2/NDF : 10158867.7/9
 - sign 4327.274 ± 0.635 χ^2/NDF : 6004559.1/46

diff_bpm16X_mean vs Slug



Right In: 6.842 ± 4.001 χ^2/NDF : 23.0/19

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 7.779 ± 4.084 χ^2/NDF : 18.9/23

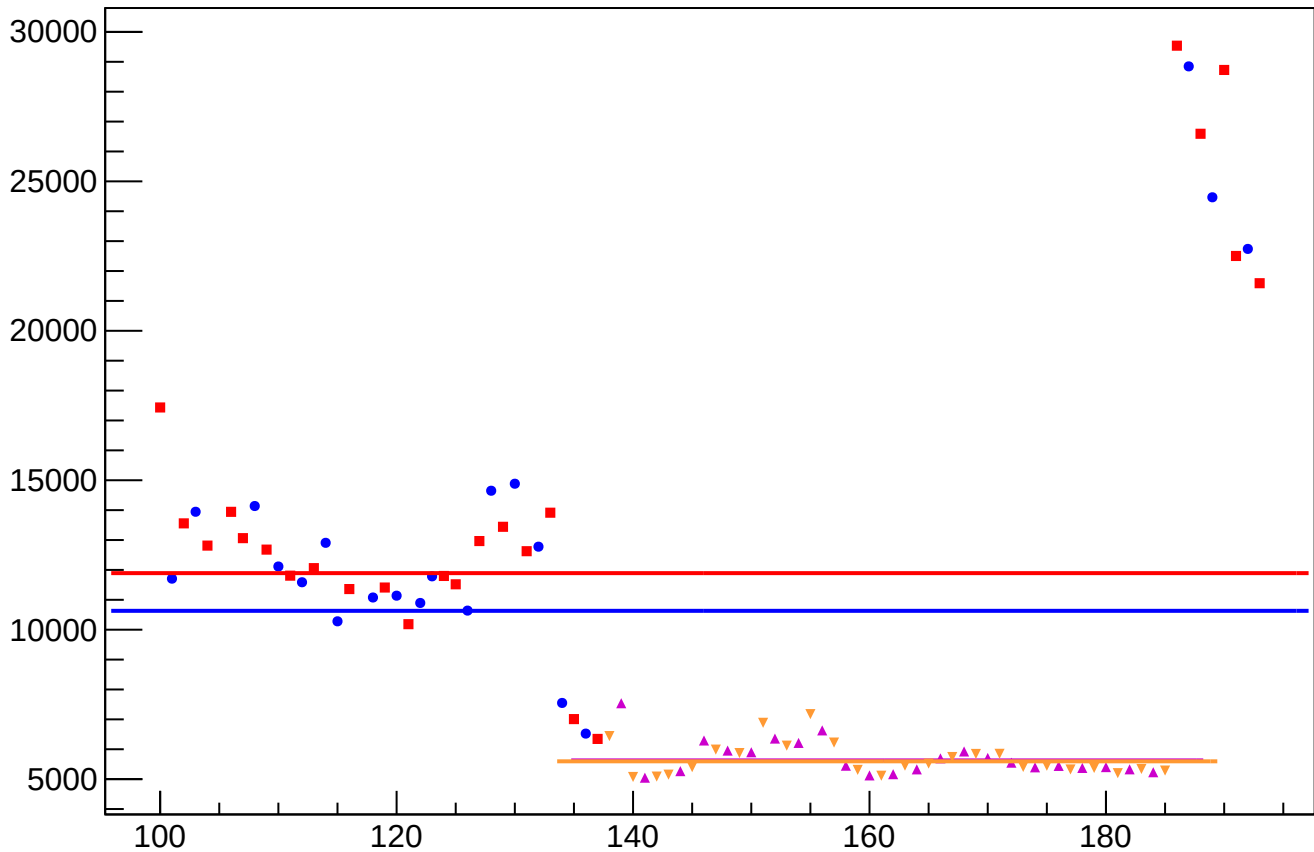
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.349 ± 1.245 χ^2/NDF : 79.5/44

All: 3.637 ± 0.894 χ^2/NDF : 141.4/91

- sign 0.751 ± 1.284 χ^2/NDF : 52.1/46

diff_bpm16X_rms vs Slug



Right In: 10631.170+/-2.829 χ^2/NDF : 1951994.1/19

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 11892.411+/-2.887 χ^2/NDF : 2313577.6/23

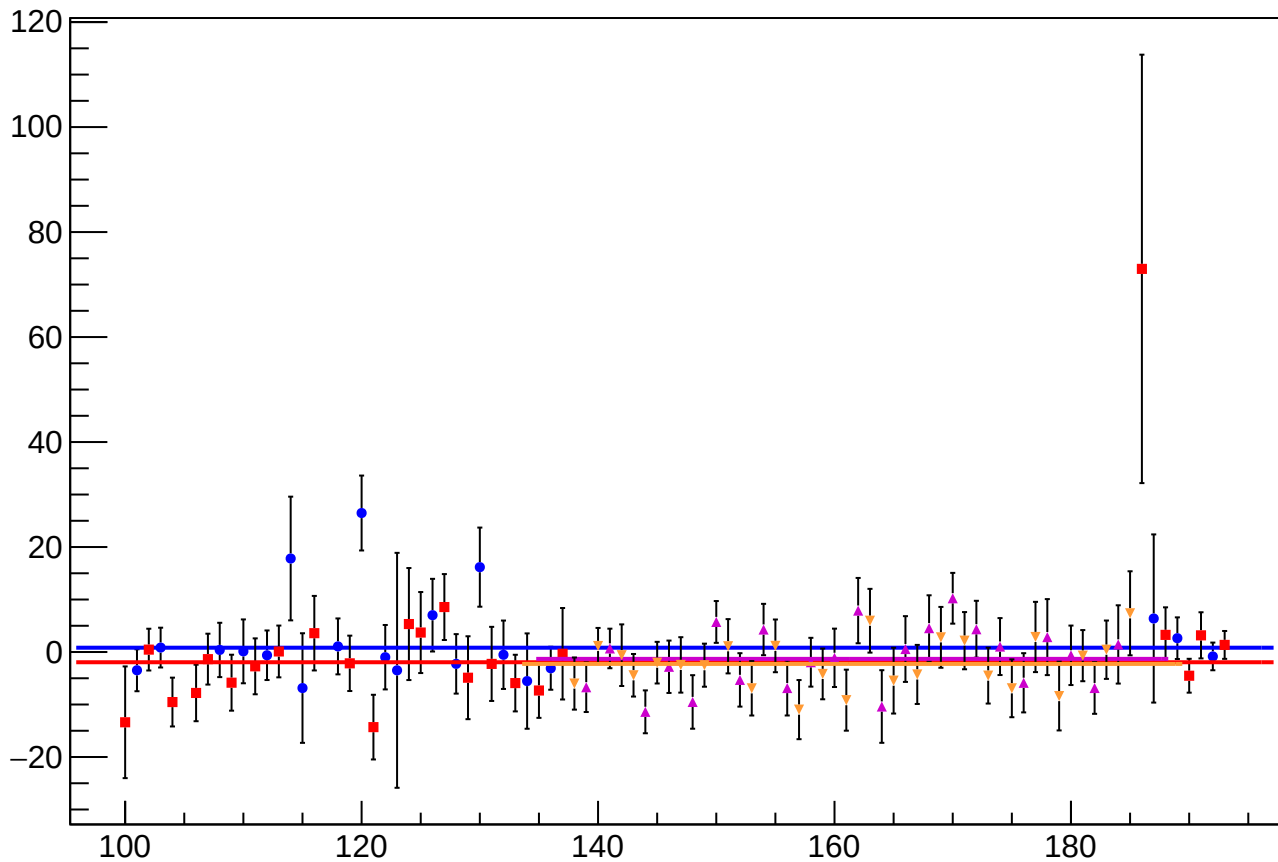
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6083.947+/-0.880 χ^2/NDF : 5096159.0/44

All: 6162.995+/-0.632 χ^2/NDF : 11947799.1/5

- sign 6247.109+/-0.908 χ^2/NDF : 6835001.6/46

diff_bpm16Y_mean vs Slug



Right In: 0.822 ± 1.180 χ^2/NDF : 24.4/19

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.949 ± 1.062 χ^2/NDF : 24.2/23

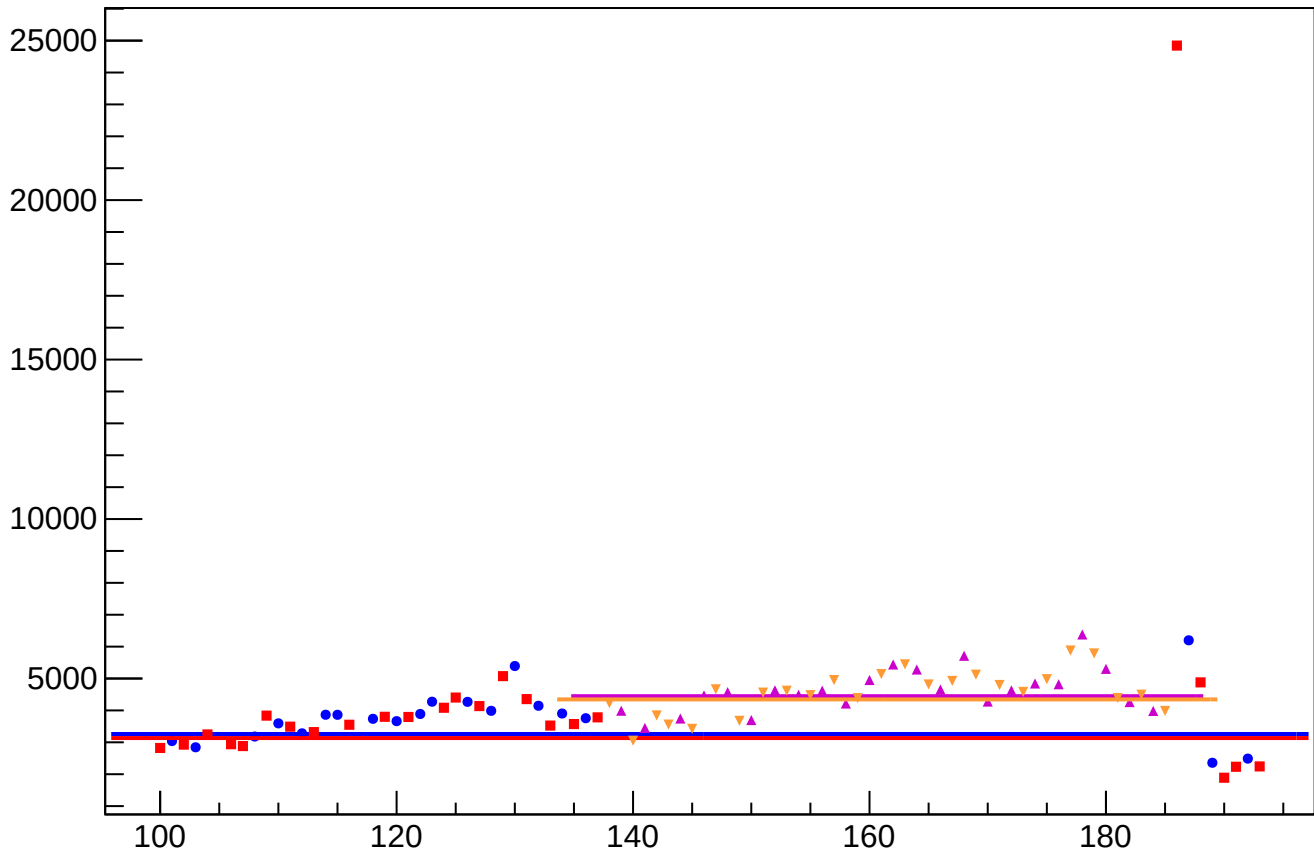
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -0.933 ± 0.776 χ^2/NDF : 43.6/44

All: -1.291 ± 0.541 χ^2/NDF : 99.3/91

- sign -1.631 ± 0.756 χ^2/NDF : 55.2/46

diff_bpm16Y_rms vs Slug



Right In: 3260.231 $\pm$ 0.835 χ^2 /NDF: 749656.2/19

Left Out: 4345.381 $\pm$ 0.728 χ^2 /NDF: 1000636.1/24

Right Out: 3133.232 $\pm$ 0.751 χ^2 /NDF: 1855650.0/23

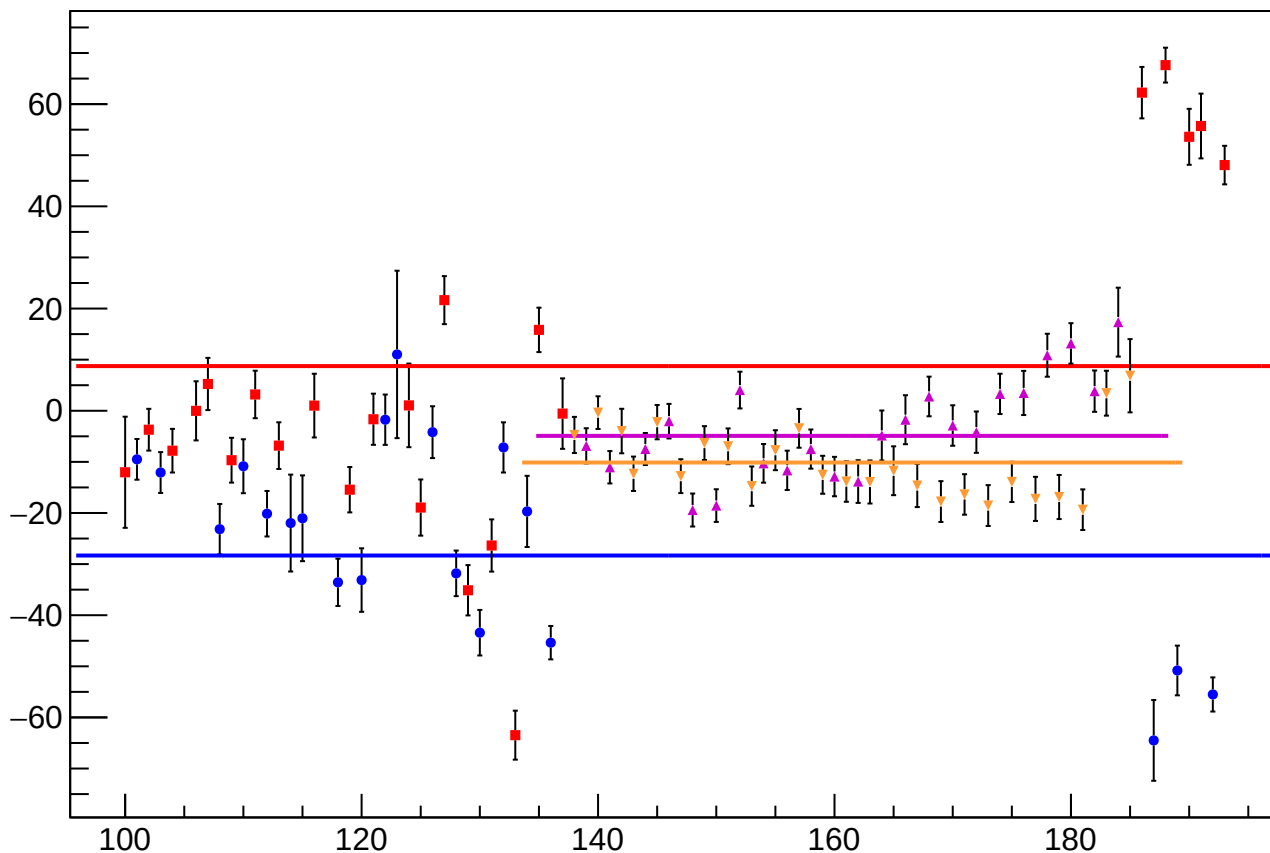
Left In: 4446.181 $\pm$ 0.762 χ^2 /NDF: 702797.6/22

+ sign 3876.547 $\pm$ 0.549 χ^2 /NDF: 2710442.9/44

All: 3827.173 $\pm$ 0.383 χ^2 /NDF: 6792037.9/91

- sign 3780.277 $\pm$ 0.535 χ^2 /NDF: 4065800.6/46

diff_bpm0l01X_mean vs Slug



Right In: -28.322 ± 1.092 χ^2/NDF : 282.9/19

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 8.742 ± 1.001 χ^2/NDF : 1130.5/23

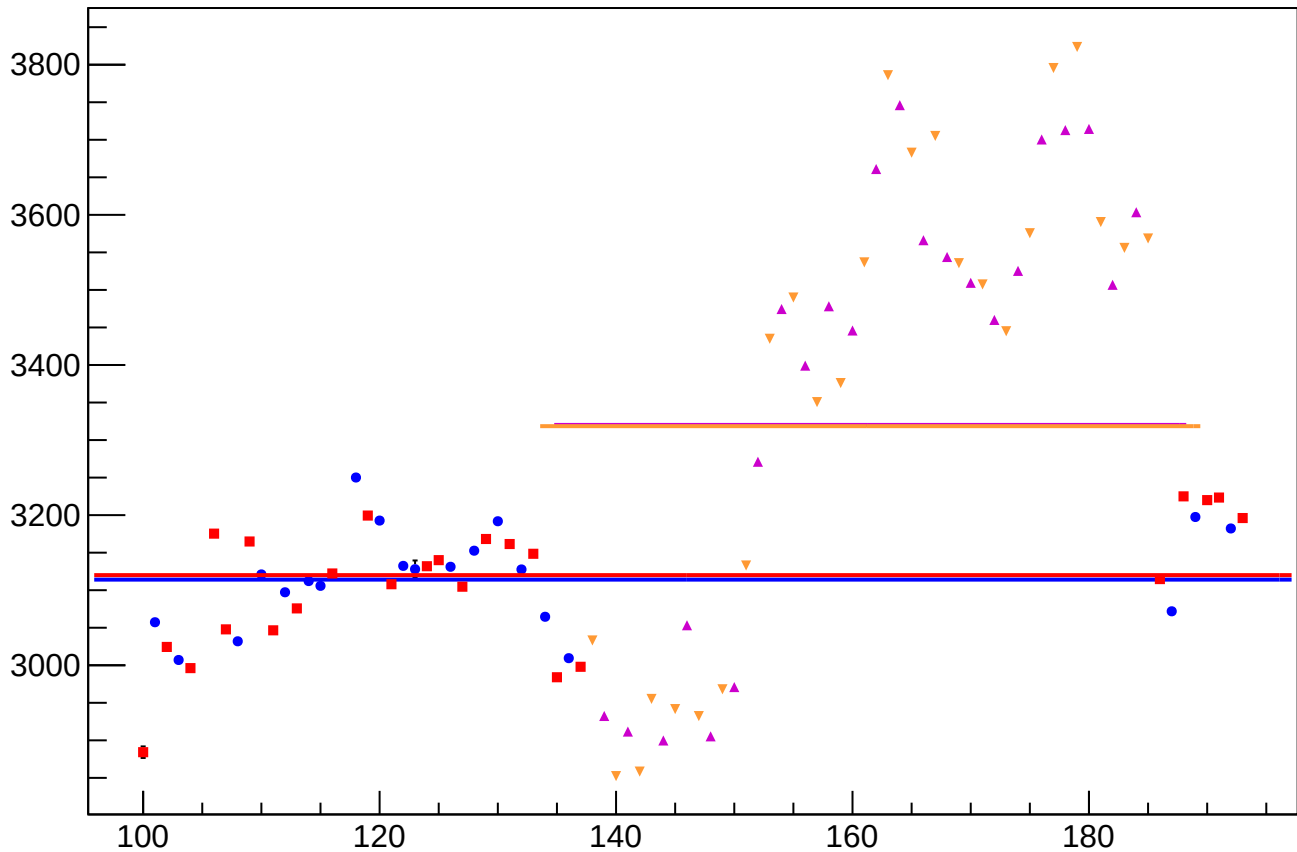
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -16.228 ± 0.632 χ^2/NDF : 535.5/44

All: -7.805 ± 0.444 χ^2/NDF : 2258.0/91

- sign 0.389 ± 0.624 χ^2/NDF : 1372.3/46

diff_bpm0l01X_rms vs Slug



Right In: 3114.103+/-0.772 χ^2/NDF : 8934.4/19

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3120.077+/-0.708 χ^2/NDF : 12787.3/23

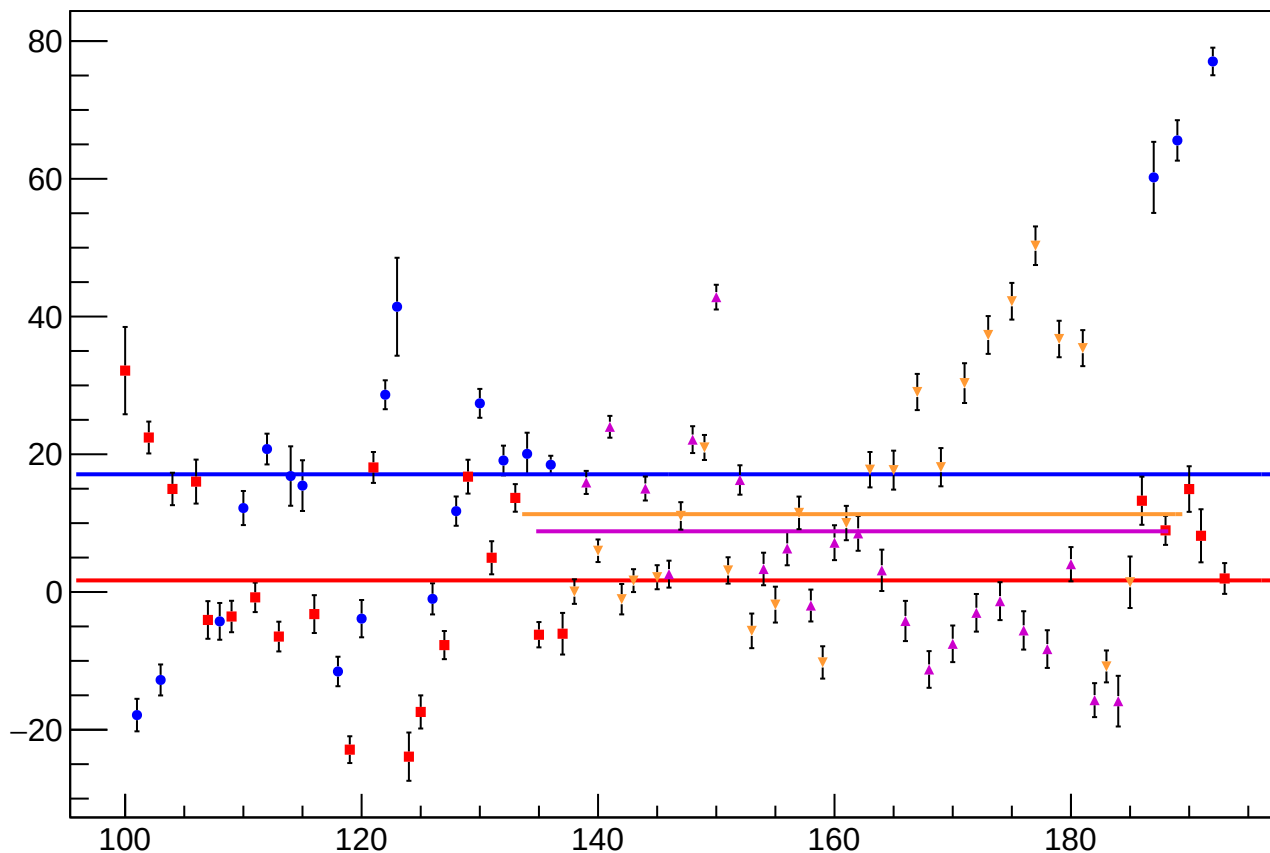
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3249.947+/-0.447 χ^2/NDF : 393237.2/44

All: 3246.172+/-0.314 χ^2/NDF : 742717.7/91

- sign 3242.499+/-0.441 χ^2/NDF : 349339.7/46

diff_bpm0l01Y_mean vs Slug



Right In: 17.093+/-0.530 χ^2/NDF : 2081.9/19

Left Out: 11.305+/-0.454 χ^2/NDF :1144.3/24

Right Out: 1.684+/-0.500 χ^2/NDF : 676.3/23

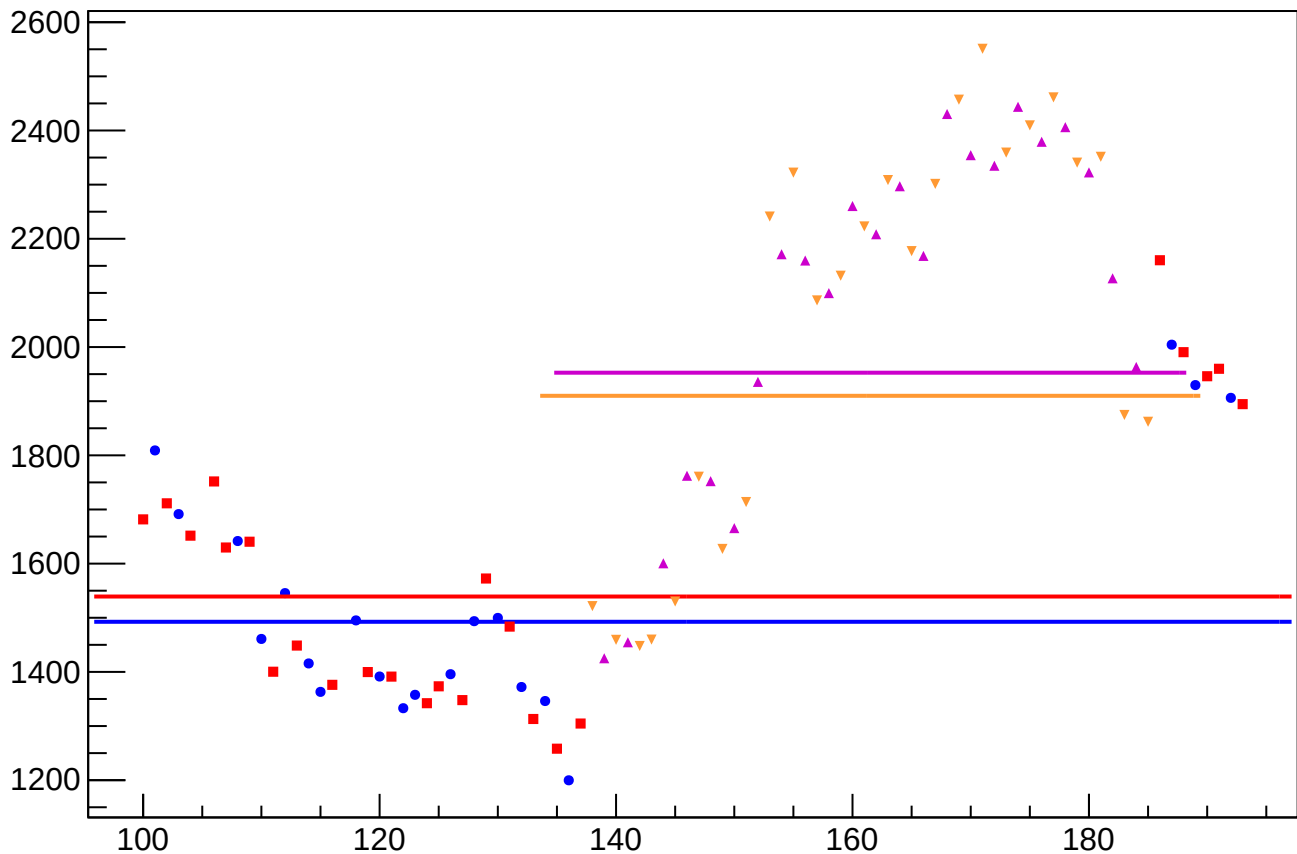
Left In: 8.815+/-0.475 χ^2/NDF :942.2/22

+ sign 13.754+/-0.345 χ^2/NDF : 3295.0/44

All: 9.591+/-0.244 χ^2/NDF : 5311.8/91

- sign 5.431+/-0.345 χ^2/NDF : 1725.2/46

diff_bpm0l01Y_rms vs Slug



Right In: 1492.568 $\pm$ 0.375 χ^2 /NDF: 341412.2/19

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1539.231 $\pm$ 0.354 χ^2 /NDF: 448126.5/23

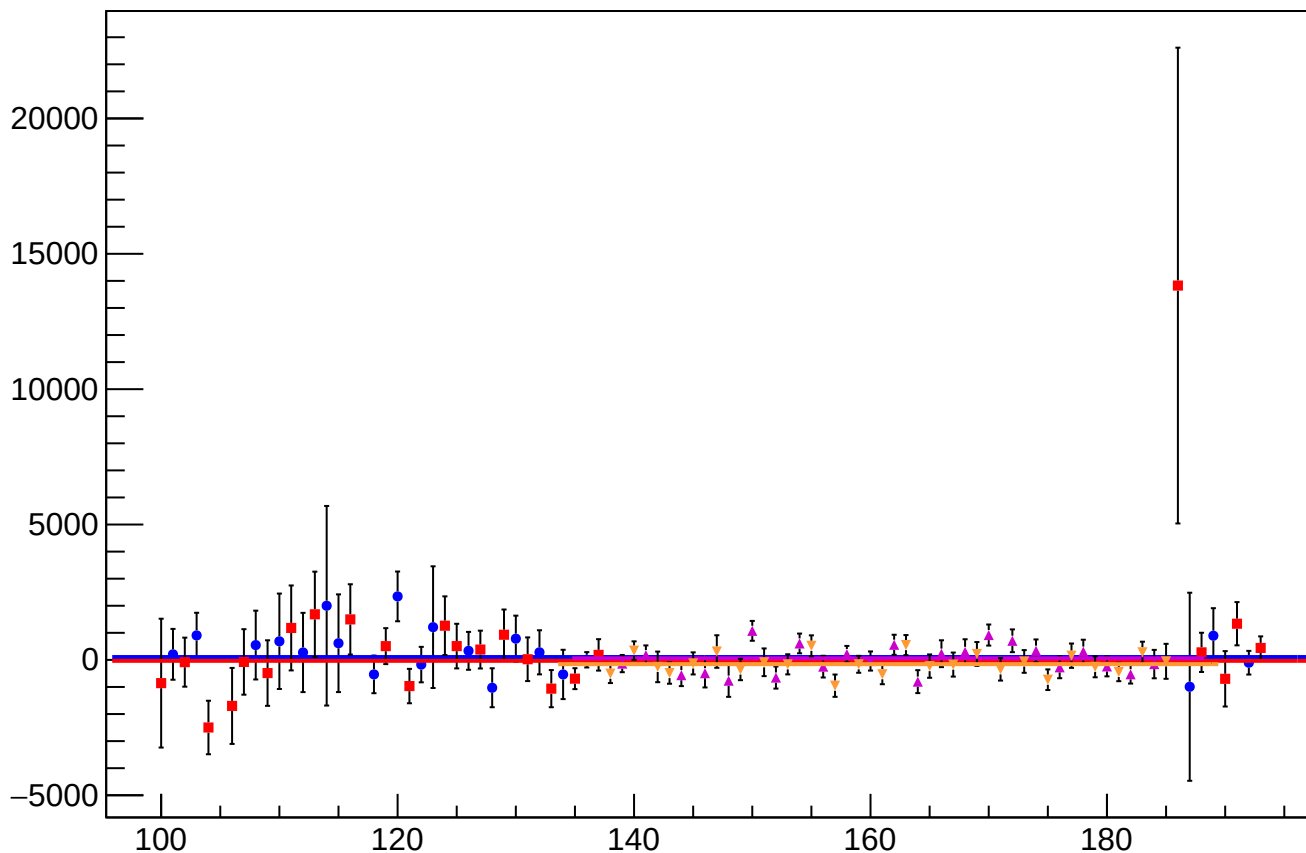
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1733.340 $\pm$ 0.244 χ^2 /NDF: 2456694.1/44

All: 1744.905 $\pm$ 0.172 χ^2 /NDF: 4692434.7/91

- sign 1756.462 $\pm$ 0.244 χ^2 /NDF: 2231239.6/46

asym_sam1_mean vs Slug



Right In: 105.464 $\pm$ 164.531 χ^2 /NDF: 13.6/19

Left Out: -157.242 $\pm$ 80.796 χ^2 /NDF: 22.0/24

Right Out: -33.913 $\pm$ 159.740 χ^2 /NDF: 29.7/23

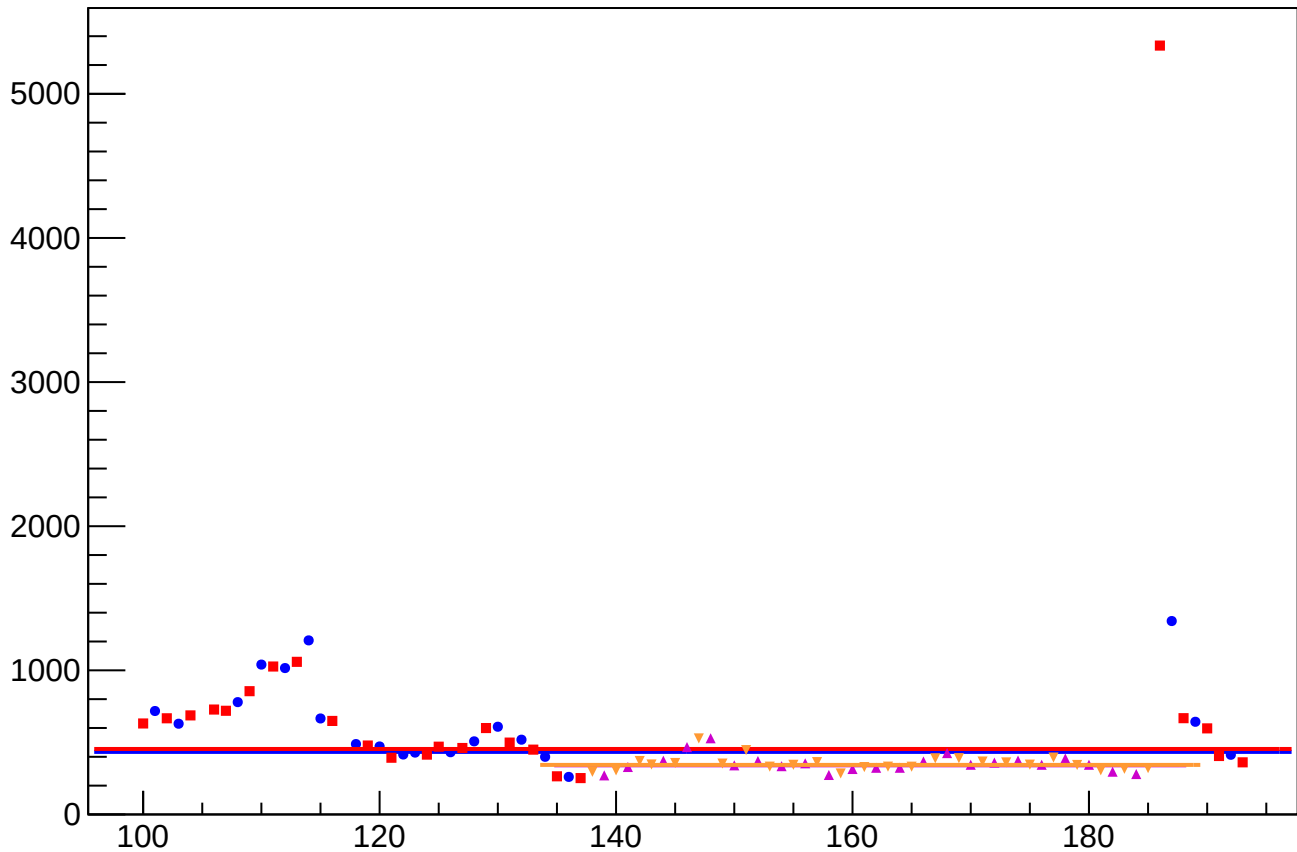
Left In: 58.934 $\pm$ 82.584 χ^2 /NDF: 38.5/22

+ sign -106.200 $\pm$ 72.523 χ^2 /NDF: 37.6/44

All: -34.259 $\pm$ 51.575 χ^2 /NDF: 108.2/91

- sign 39.351 $\pm$ 73.360 χ^2 /NDF: 68.5/46

asym_sam1_rms vs Slug



Right In: 434.055 $\pm$ 0.116 χ^2 /NDF: 2234223.9/19

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 454.393 $\pm$ 0.113 χ^2 /NDF: 2963778.1/23

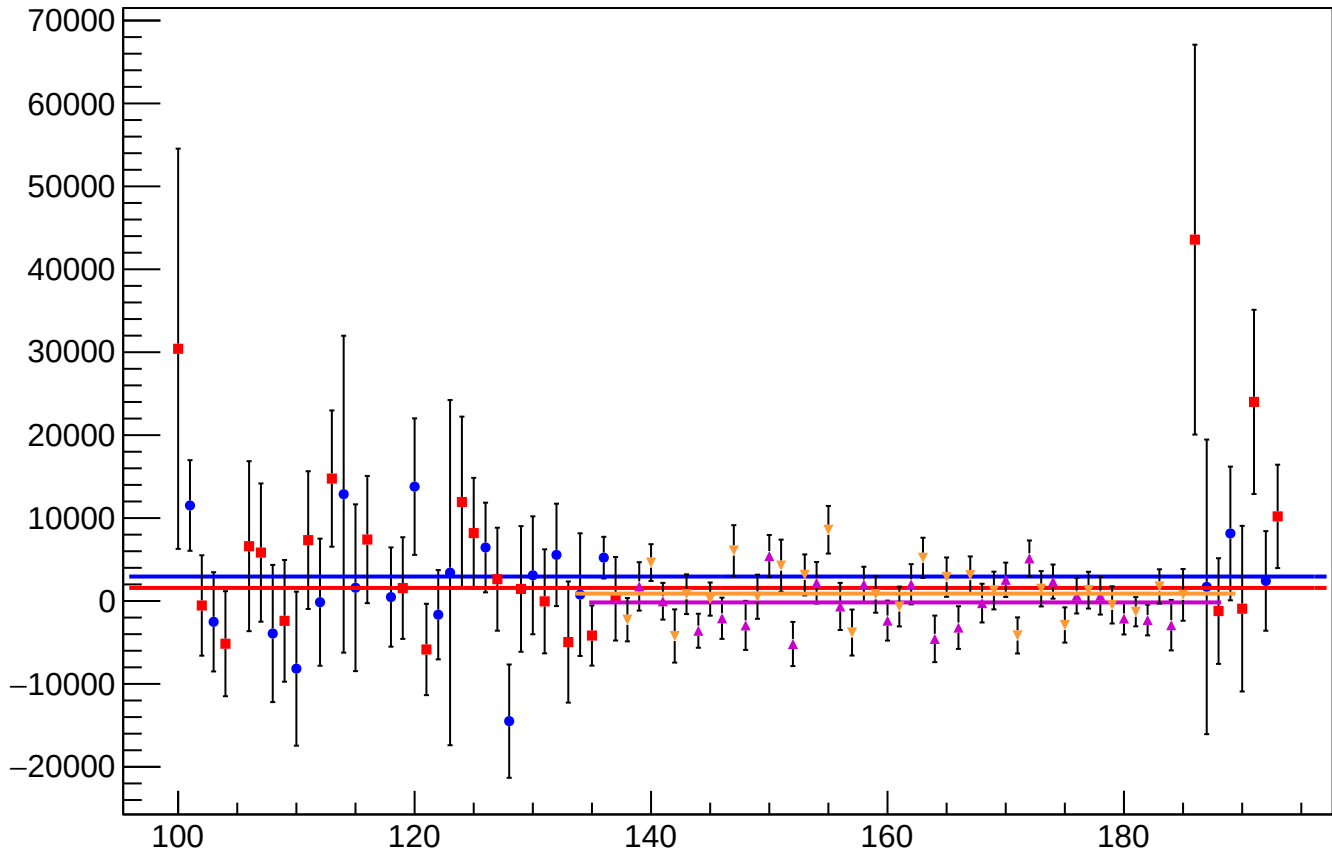
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 361.341 $\pm$ 0.051 χ^2 /NDF: 3258488.4/44

All: 363.060 $\pm$ 0.036 χ^2 /NDF: 7746189.6/91

- sign 364.818 $\pm$ 0.052 χ^2 /NDF: 4485429.7/46

asym_sam2_mean vs Slug



Right In: 2948.689 $\pm$ 1384.894 χ^2 /NDF: 17.0/19

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF: 38.0/24

Right Out: 1575.377 $\pm$ 1403.908 χ^2 /NDF: 23.8/23

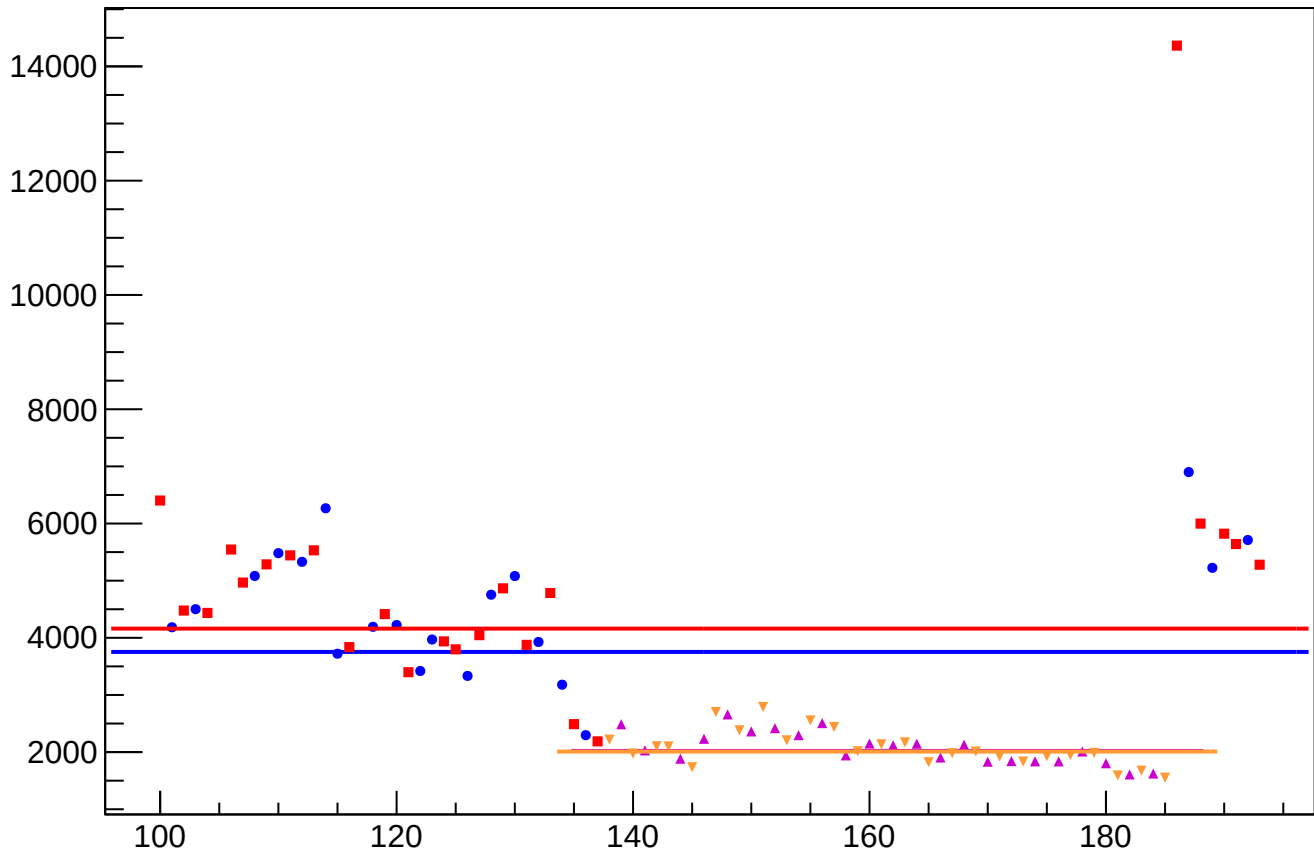
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

+ sign 1105.629 $\pm$ 447.835 χ^2 /NDF: 56.9/44

All: 576.632 $\pm$ 321.222 χ^2 /NDF: 118.2/91

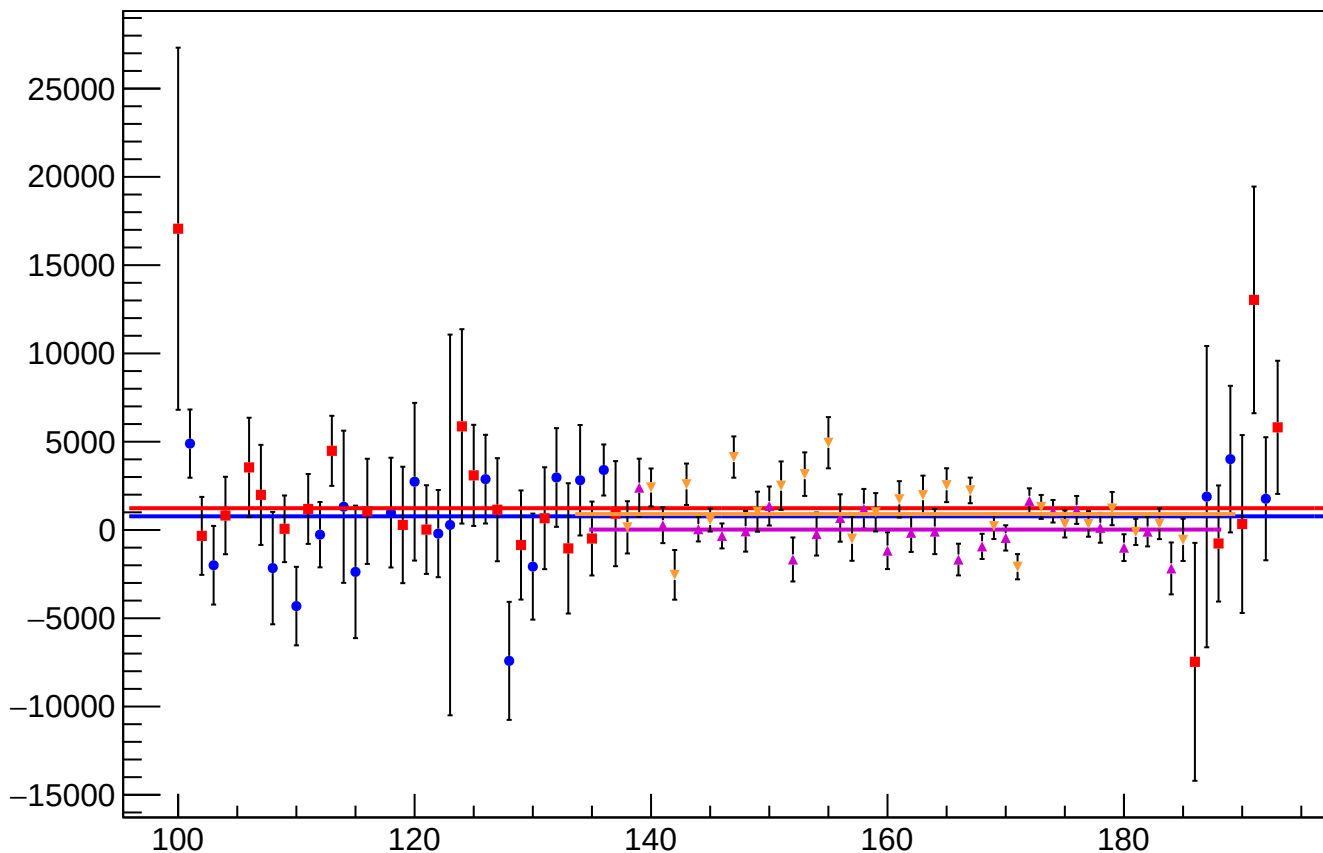
- sign 16.067 $\pm$ 461.003 χ^2 /NDF: 58.4/46

asym_sam2_rms vs Slug



Right In: 3753.155+/-0.979	χ^2/NDF : 1461869.0/19	+ sign 2191.950+/-0.317	χ^2/NDF : 5010320.1/44
Left Out: 2009.631+/-0.335	χ^2/NDF : 709977.6/24	All: 2220.706+/-0.227	χ^2/NDF : 11498957.0/9
Right Out: 4160.940+/-0.993	χ^2/NDF : 1749944.2/23	- sign 2251.179+/-0.326	χ^2/NDF : 6471651.8/46
Left In: 2020.365+/-0.345	χ^2/NDF : 573483.0/22		

asym_sam3_mean vs Slug



Right In: 773.939 ± 604.720 χ^2/NDF : 26.2/19

Left Out: 902.091 ± 185.850 χ^2/NDF : 63.5/24

Right Out: 1234.169 ± 578.668 χ^2/NDF : 16.7/23

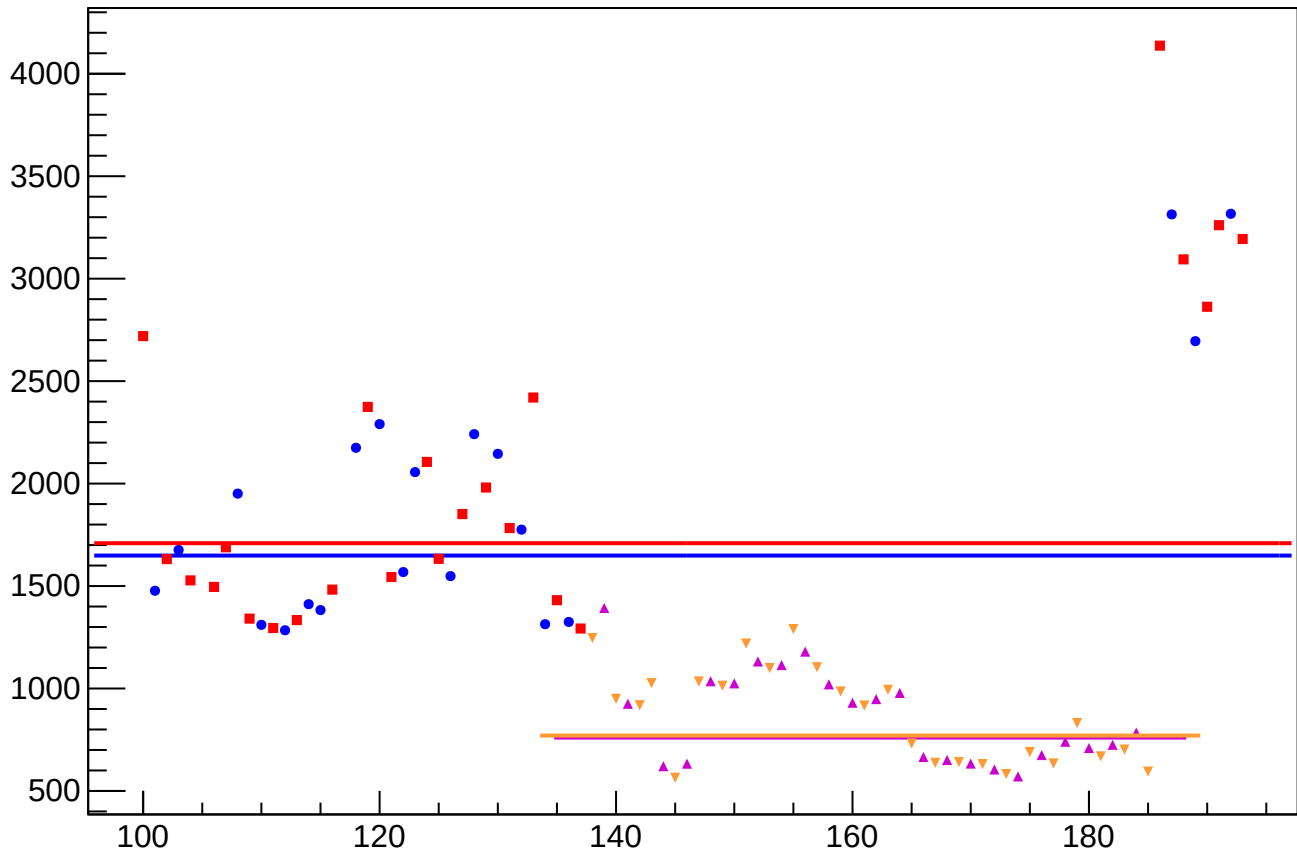
Left In: 23.529 ± 188.137 χ^2/NDF : 28.2/22

+ sign 891.032 ± 177.650 χ^2/NDF : 89.8/44

All: 517.822 ± 126.063 χ^2/NDF : 147.5/91

- sign 139.264 ± 178.918 χ^2/NDF : 48.8/46

asym_sam3_rms vs Slug



Right In: 1648.699 $\pm$ 0.428 χ^2 /NDF: 1186745.7/19

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1709.127 $\pm$ 0.409 χ^2 /NDF: 1711859.0/23

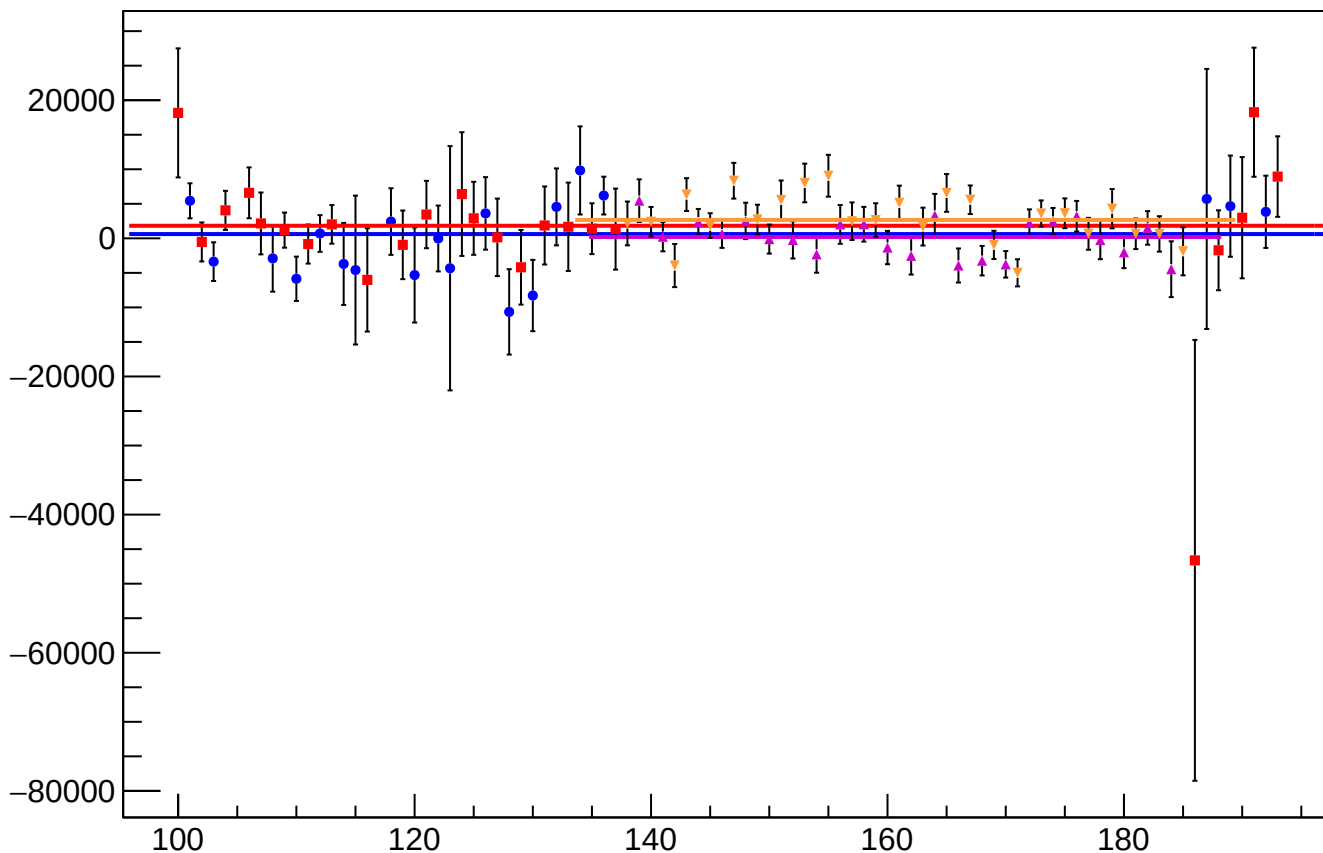
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 846.126 $\pm$ 0.126 χ^2 /NDF: 7329969.9/44

All: 848.572 $\pm$ 0.089 χ^2 /NDF: 15891836.2/90

- sign 851.053 $\pm$ 0.127 χ^2 /NDF: 8561102.5/46

asym_sam4_mean vs Slug



Right In: 617.743 ± 970.399 χ^2/NDF : 26.1/19

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 1822.955 ± 893.892 χ^2/NDF : 17.5/23

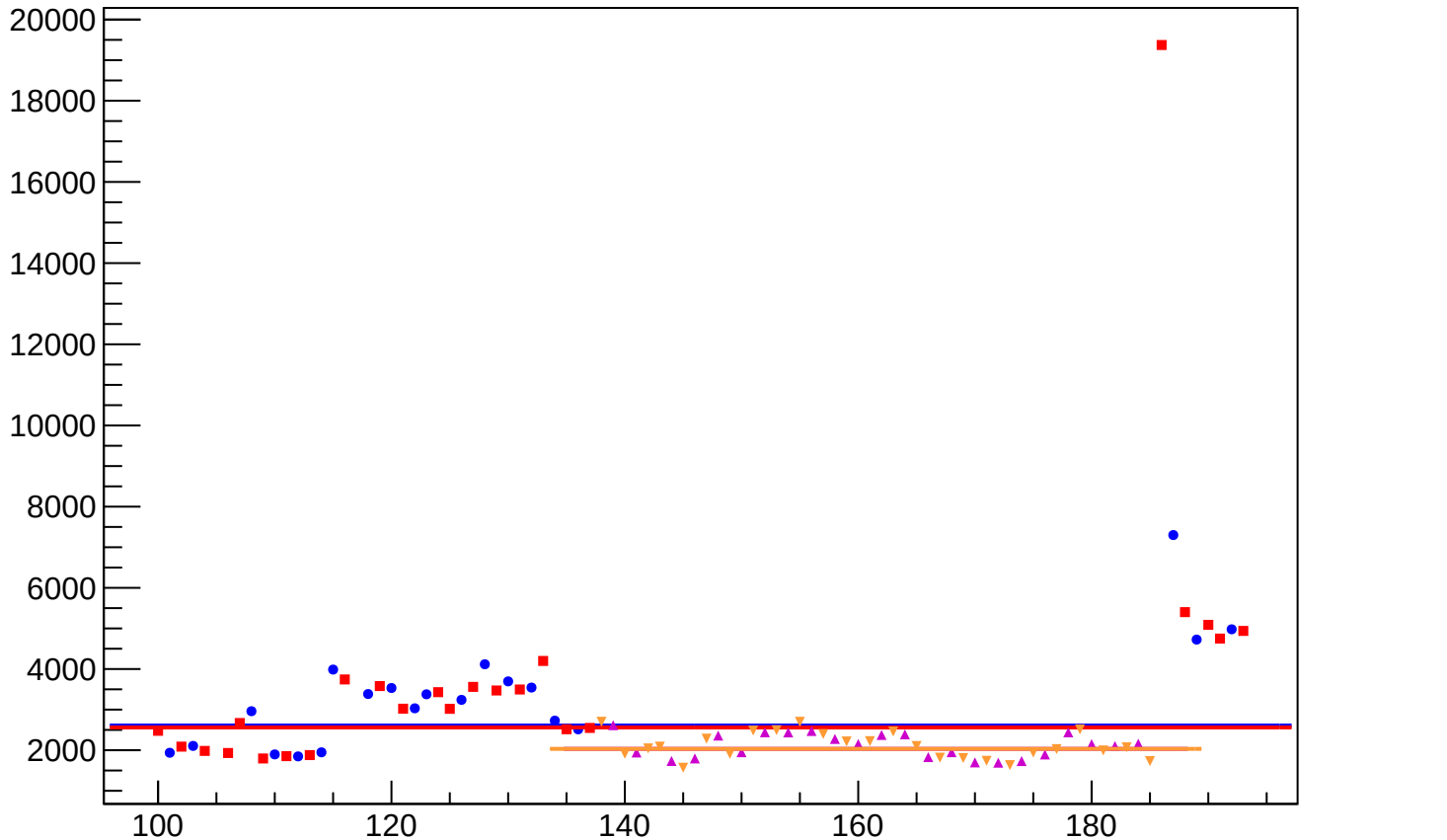
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2263.339 ± 430.080 χ^2/NDF : 78.9/44

All: 1422.109 ± 304.465 χ^2/NDF : 132.3/91

- sign 576.961 ± 431.080 χ^2/NDF : 45.8/46

asym_sam4_rms vs Slug



Right In: 2608.053+/-0.686 χ^2/NDF : 1641024.8/19

Left Out: 2033.337+/-0.339 χ^2/NDF : 824062.2/24

Right Out: 2560.372+/-0.632 χ^2/NDF : 2762623.8/23

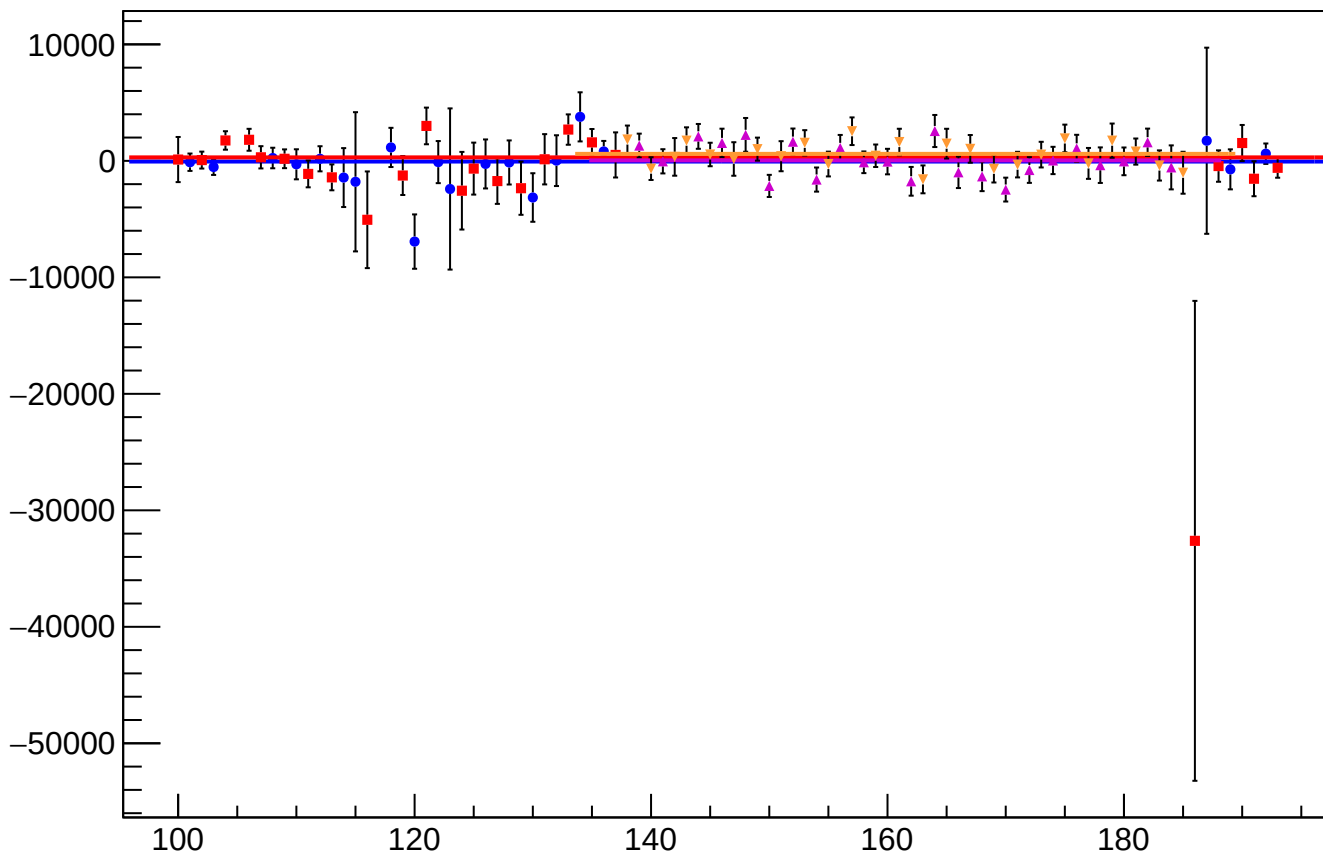
Left In: 2032.655+/-0.348 χ^2/NDF : 652763.7/22

+ sign 2146.226+/-0.304 χ^2/NDF : 3028806.5/44

All: 2150.794+/-0.215 χ^2/NDF : 6979584.1/91

- sign 2155.384+/-0.305 χ^2/NDF : 3950325.3/46

asym_sam5_mean vs Slug



Right In: -57.823 ± 290.918 χ^2/NDF : 17.6/19

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 298.703 ± 255.929 χ^2/NDF : 29.5/23

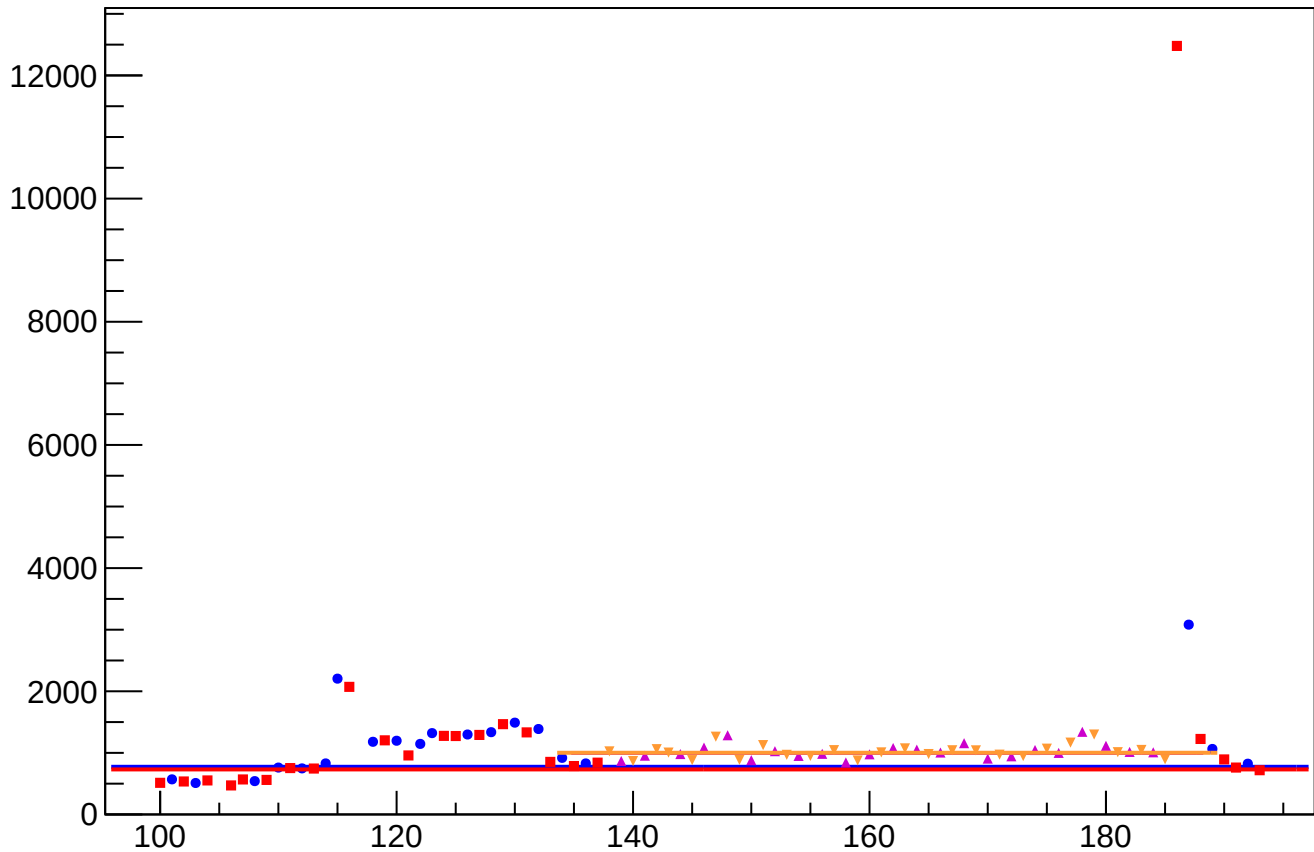
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 340.295 ± 182.793 χ^2/NDF : 39.2/44

All: 247.620 ± 126.551 χ^2/NDF : 106.1/91

- sign 162.310 ± 175.379 χ^2/NDF : 66.4/46

asym_sam5_rms vs Slug



Right In: 773.888 $\pm$ 0.206 χ^2 /NDF: 1927384.1/19

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 731.186 $\pm$ 0.181 χ^2 /NDF: 2653302.1/23

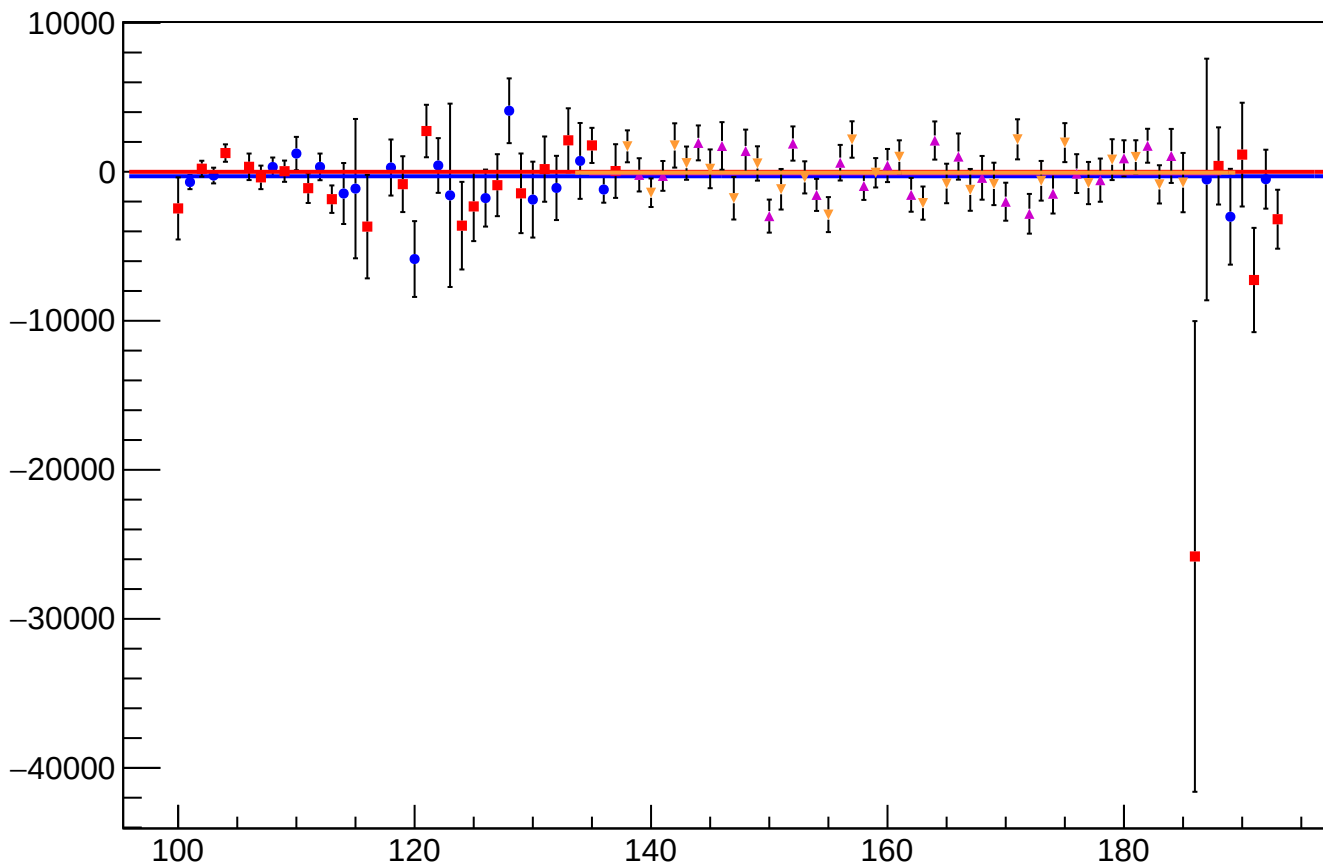
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 911.622 $\pm$ 0.129 χ^2 /NDF: 3038428.4/44

All: 891.374 $\pm$ 0.089 χ^2 /NDF: 7296934.6/91

- sign 872.734 $\pm$ 0.124 χ^2 /NDF: 4211374.3/46

asym_sam6_mean vs Slug



Right In: -303.038 ± 247.835 χ^2/NDF : 16.5/19

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -4.597 ± 242.042 χ^2/NDF : 31.4/23

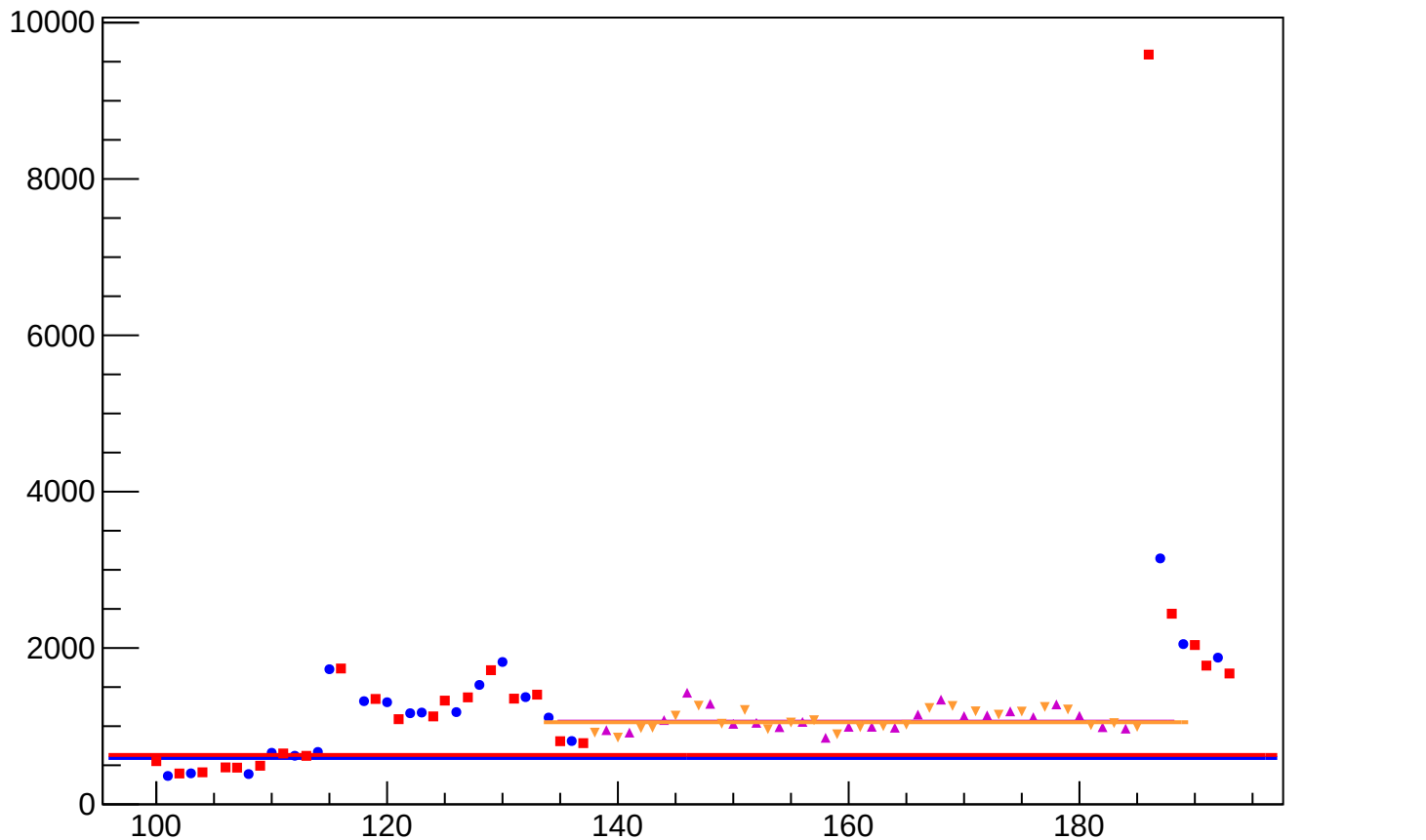
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -180.778 ± 174.773 χ^2/NDF : 48.0/44

All: -118.516 ± 123.904 χ^2/NDF : 114.6/91

- sign -55.603 ± 175.685 χ^2/NDF : 66.3/46

asym_sam6_rms vs Slug



Right In: 593.253+/-0.175 χ^2/NDF : 4695648.3/19

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 631.715+/-0.171 χ^2/NDF : 5601050.0/23

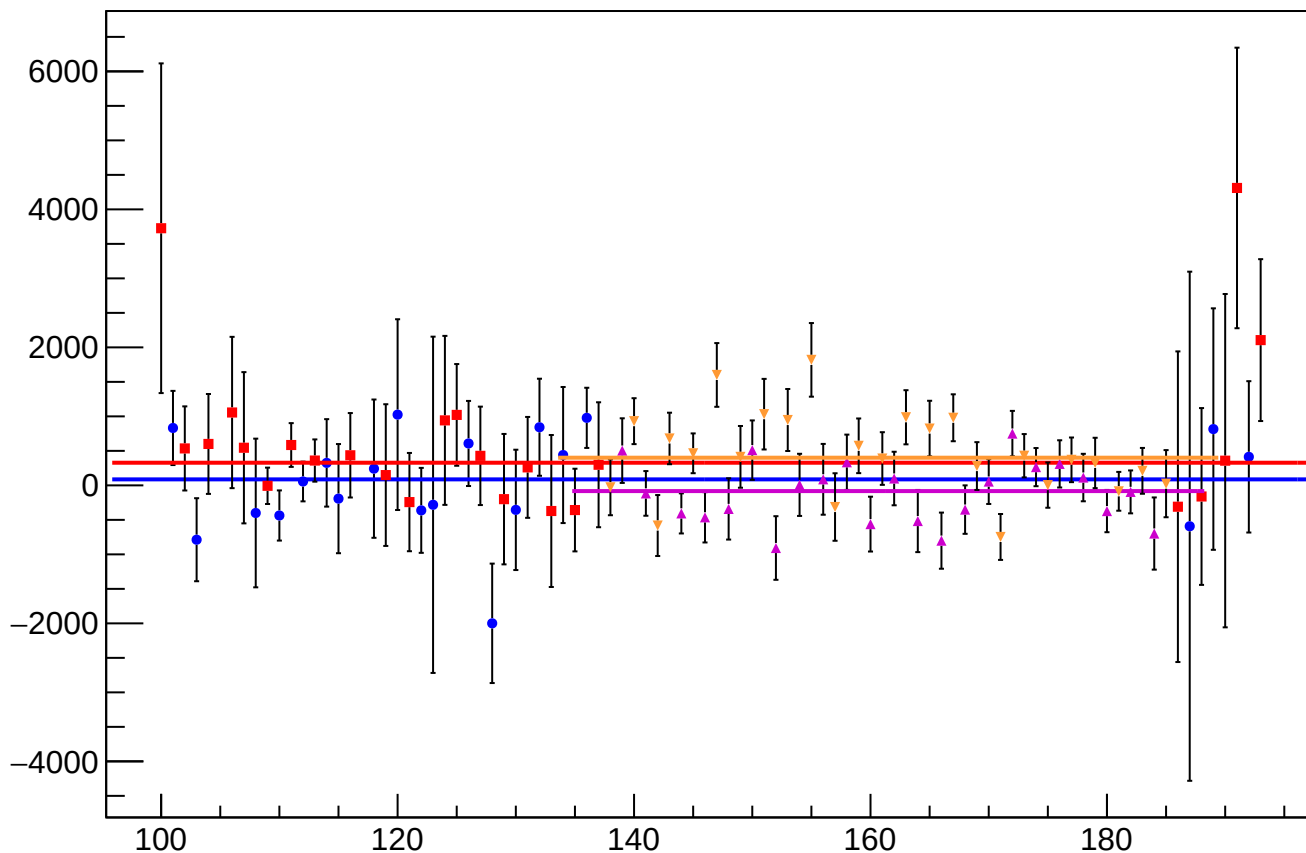
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 823.183+/-0.124 χ^2/NDF : 8603271.4/44

All: 828.293+/-0.088 χ^2/NDF : 17672920.4/90

- sign 833.457+/-0.124 χ^2/NDF : 9066211.6/46

asym_sam7_mean vs Slug



Right In: 86.851 $\pm$ 141.493 χ^2 /NDF: 20.2/19

Left Out: 400.988 $\pm$ 74.546 χ^2 /NDF: 52.1/24

Right Out: 328.152 $\pm$ 127.736 χ^2 /NDF: 15.3/23

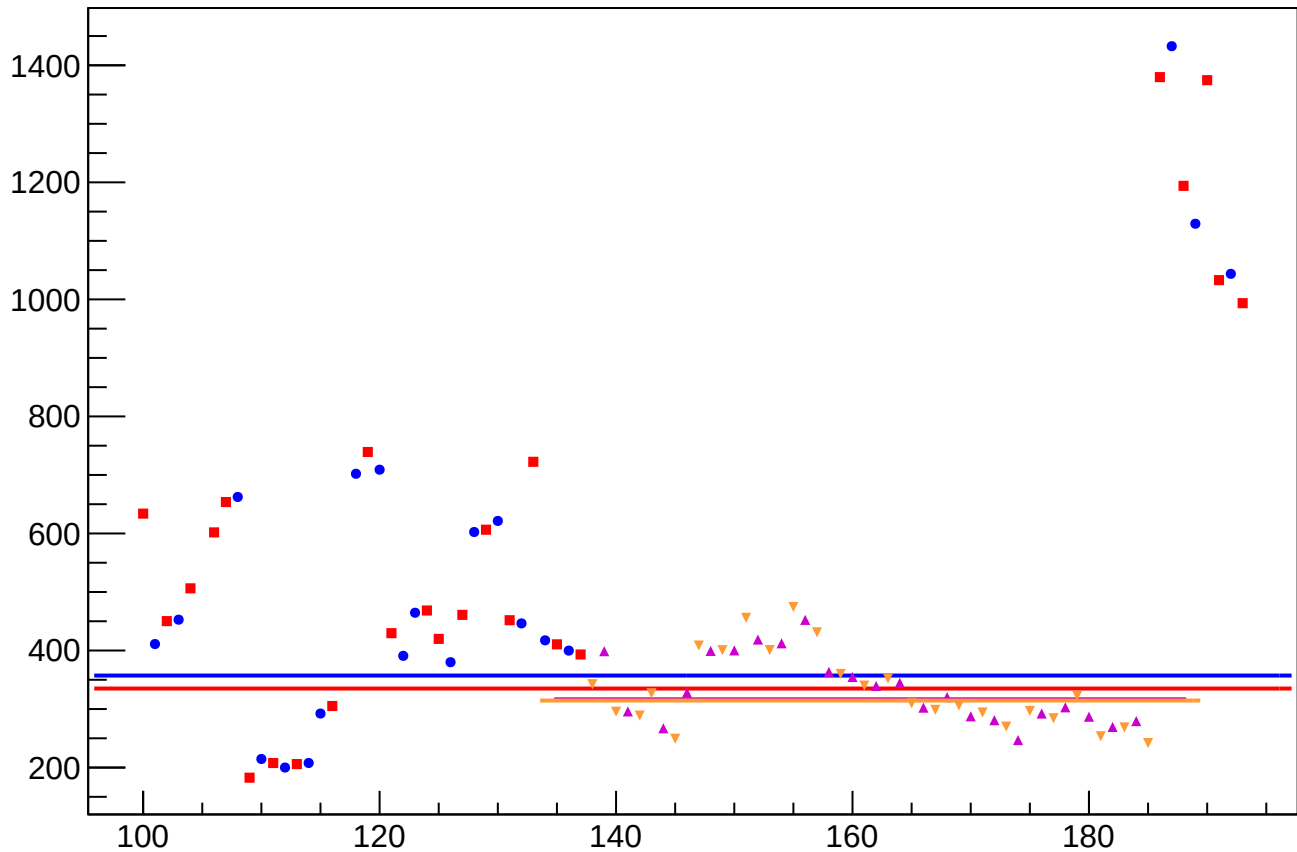
Left In: -82.890 $\pm$ 76.904 χ^2 /NDF: 29.0/22

+ sign 332.736 $\pm$ 65.953 χ^2 /NDF: 76.1/44

All: 179.442 $\pm$ 46.612 χ^2 /NDF: 138.8/91

- sign 26.463 $\pm$ 65.885 χ^2 /NDF: 51.9/46

asym_sam7_rms vs Slug



Right In: 357.217 $\pm$ 0.100 χ^2 /NDF: 3383674.0/19

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF:1112445.6/24

Right Out: 335.037 $\pm$ 0.090 χ^2 /NDF: 5380198.2/23

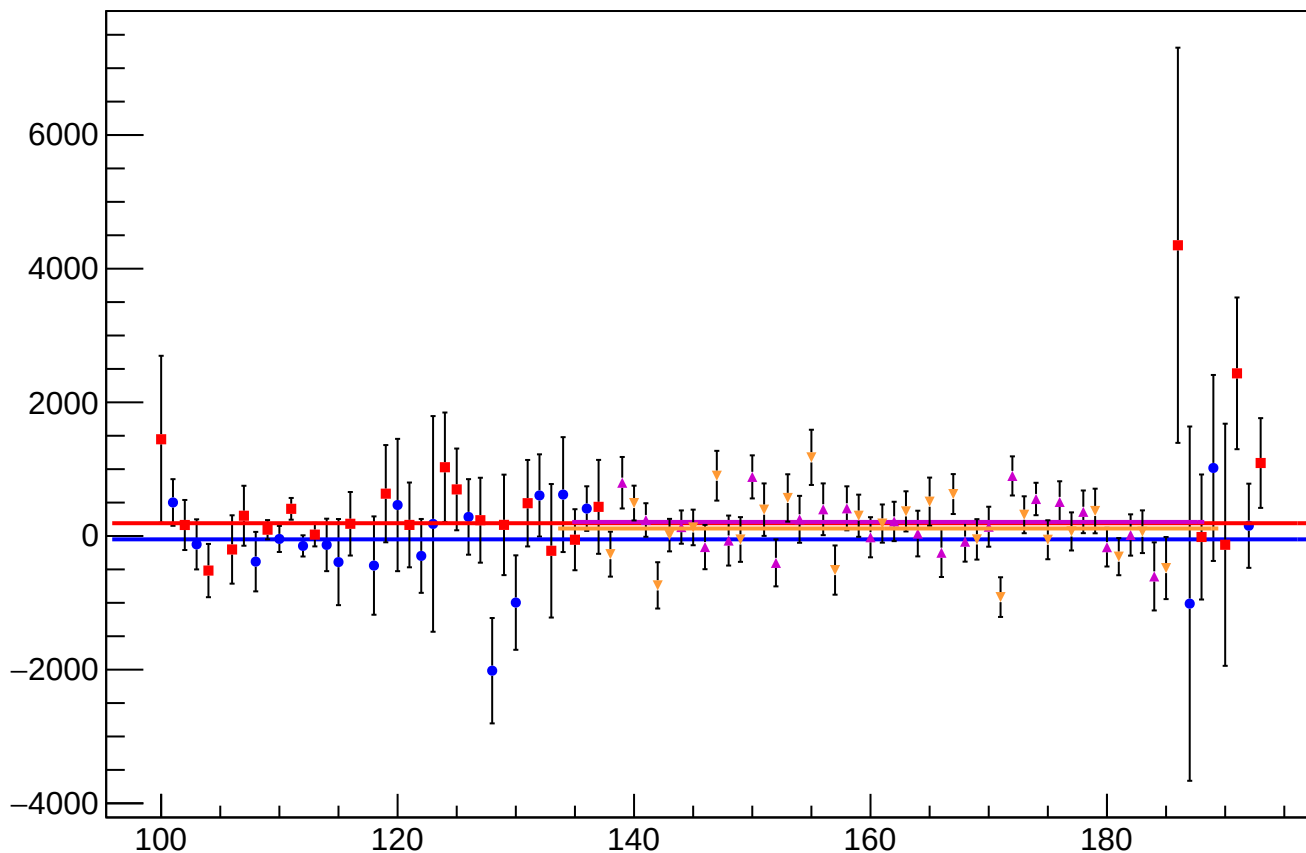
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF:920874.0/22

+ sign 323.811 $\pm$ 0.047 χ^2 /NDF: 4638547.9/44

All: 322.674 $\pm$ 0.033 χ^2 /NDF: 10971234.3/90

- sign 321.539 $\pm$ 0.047 χ^2 /NDF: 6331498.8/46

asym_sam8_mean vs Slug



Right In: -50.220 ± 89.531 χ^2/NDF : 17.4/19

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 191.308 ± 75.950 χ^2/NDF : 18.6/23

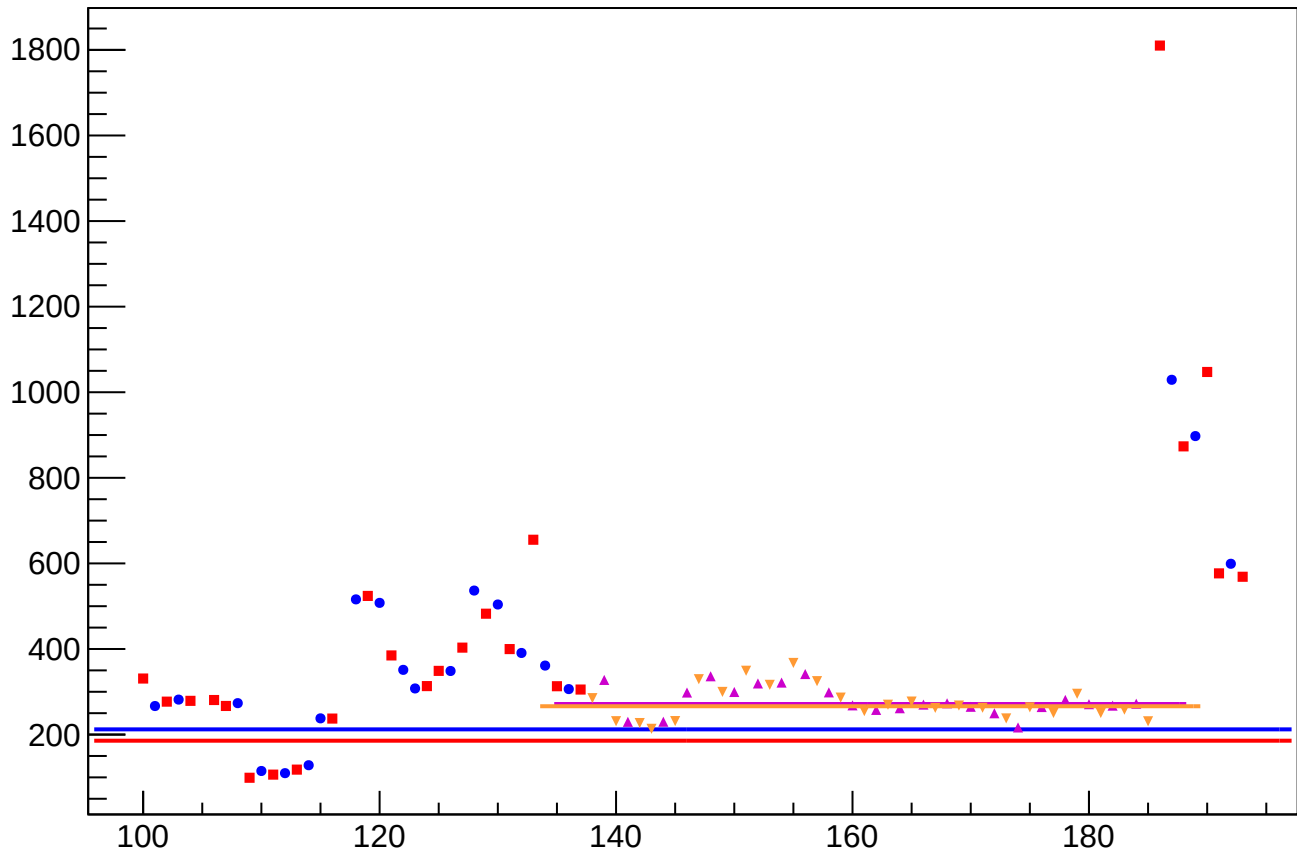
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 58.847 ± 51.327 χ^2/NDF : 68.8/44

All: 133.011 ± 35.670 χ^2/NDF : 120.6/91

- sign 202.286 ± 49.606 χ^2/NDF : 47.8/46

asym_sam8_rms vs Slug



Right In: 212.178+/-0.063 χ^2/NDF : 4846654.5/19

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 185.689+/-0.054 χ^2/NDF : 7176284.2/23

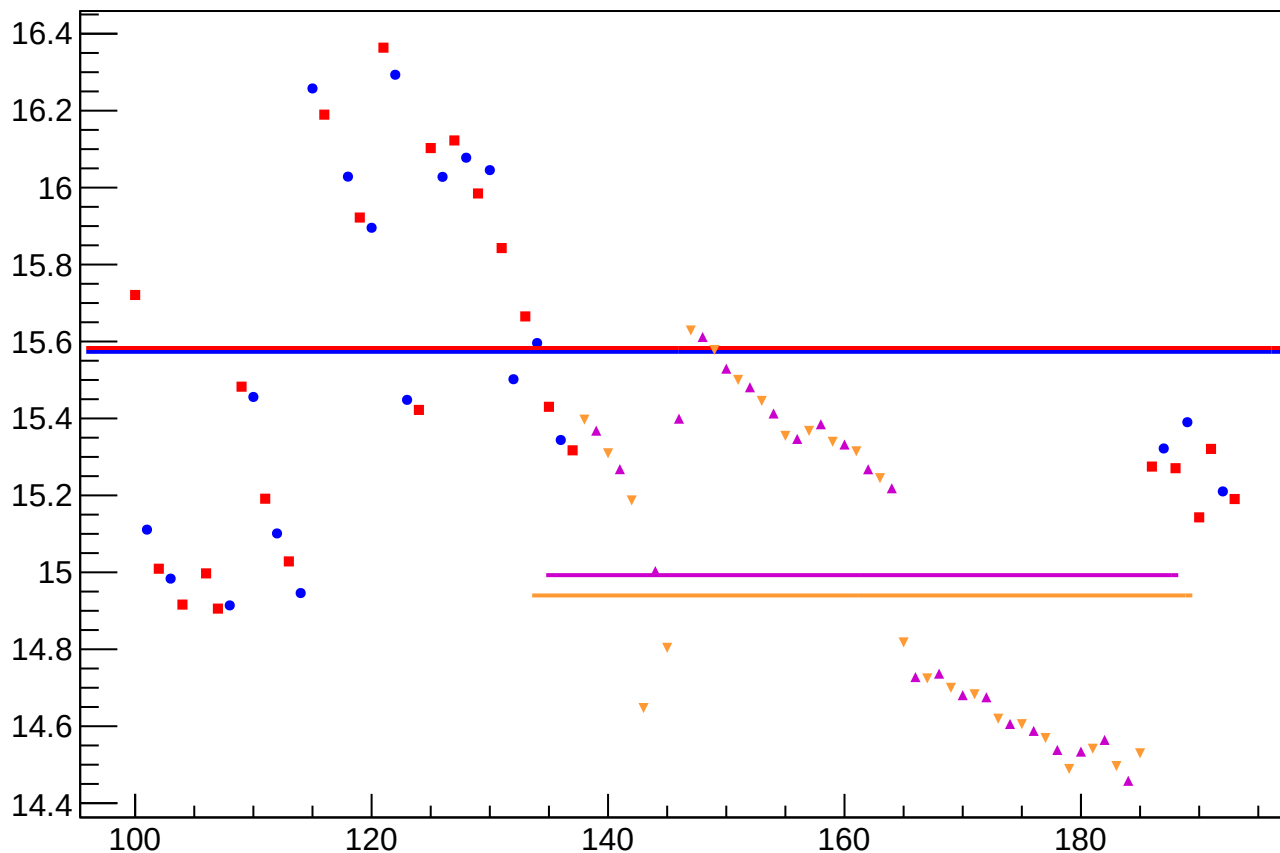
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 248.450+/-0.036 χ^2/NDF : 5985252.9/44

All: 241.415+/-0.025 χ^2/NDF : 15217087.3/90

- sign 234.844+/-0.035 χ^2/NDF : 9159170.8/46

yield_sam1_mean vs Slug



Right In: 15.573+/-0.000 χ^2 /NDF: 6500462990.6/19

Left Out: 14.940+/-0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.583+/-0.000 χ^2 /NDF: 6799033198.7/23

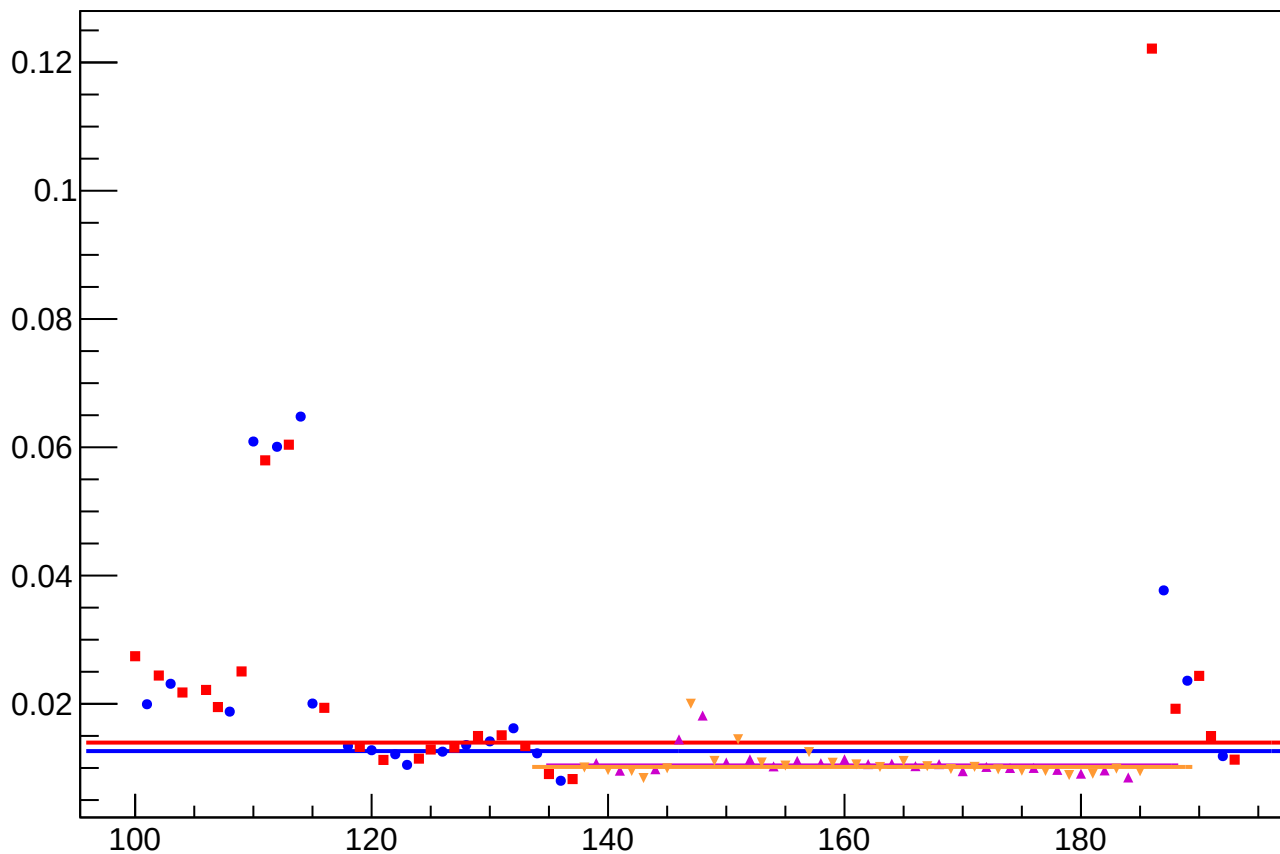
Left In: 14.993+/-0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.063+/-0.000 χ^2 /NDF: 43722574690.8/44

All: 15.086+/-0.000 χ^2 /NDF: 83451185066.1

- sign 15.111+/-0.000 χ^2 /NDF: 39493732536.4/46

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2456197.5/19

Left Out: 0.010+/-0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2973179.5/23

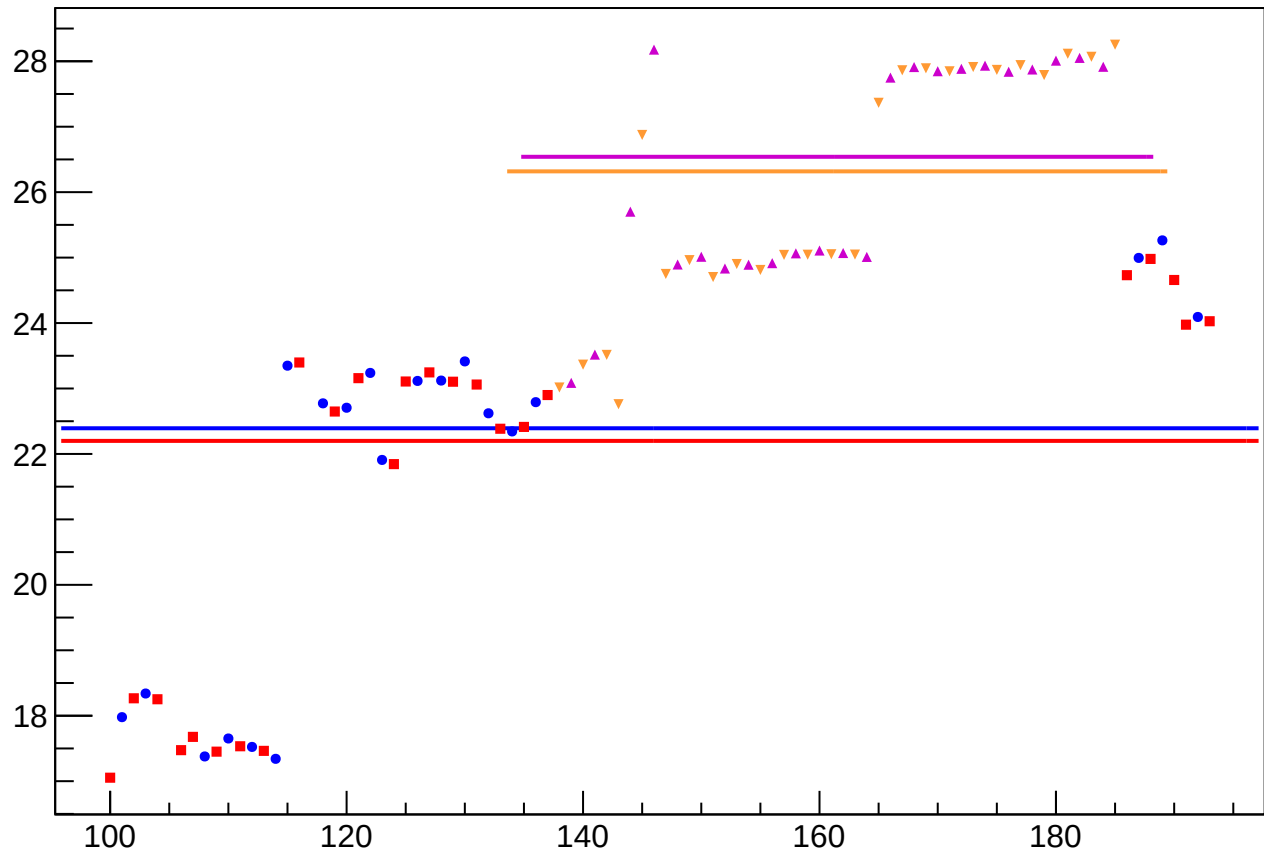
Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 3569734.4/44

All: 0.011+/-0.000 χ^2/NDF : 7907858.7/91

- sign 0.011+/-0.000 χ^2/NDF : 4294056.0/46

yield_sam2_mean vs Slug



Right In: 22.392 $\pm$ 0.000 χ^2 /NDF: 1011621798.9/19

Left Out: 26.318 $\pm$ 0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.199 $\pm$ 0.000 χ^2 /NDF: 1217368215.0/23

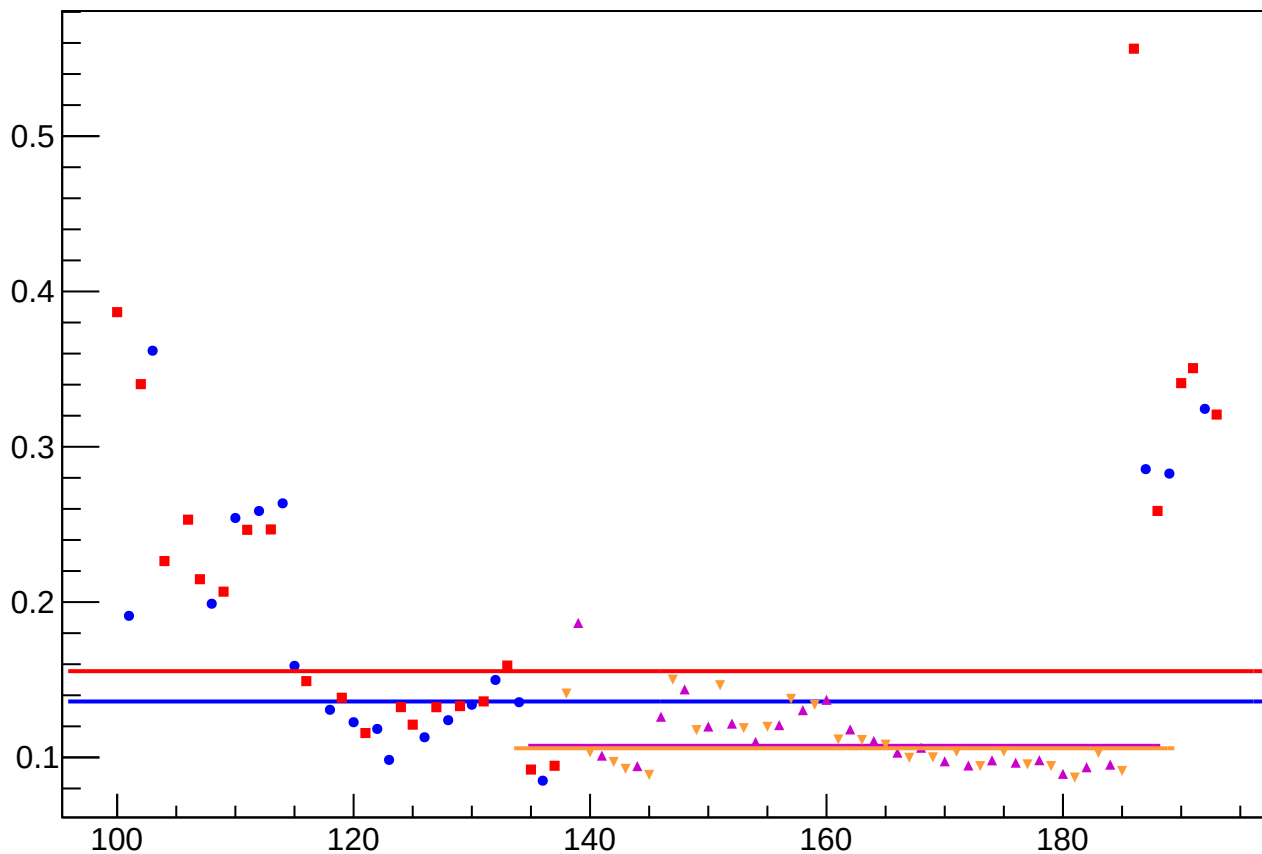
Left In: 26.540 $\pm$ 0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.581 $\pm$ 0.000 χ^2 /NDF: 9805454327.3/44

All: 25.649 $\pm$ 0.000 χ^2 /NDF: 18943666396.4

- sign 25.723 $\pm$ 0.000 χ^2 /NDF: 9121368982.2/46

yield_sam2_rms vs Slug



Right In: 0.136 $\pm$ 0.000 χ^2 /NDF: 2443113.6/19

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 732883.8/24

Right Out: 0.156 $\pm$ 0.000 χ^2 /NDF: 2944962.3/23

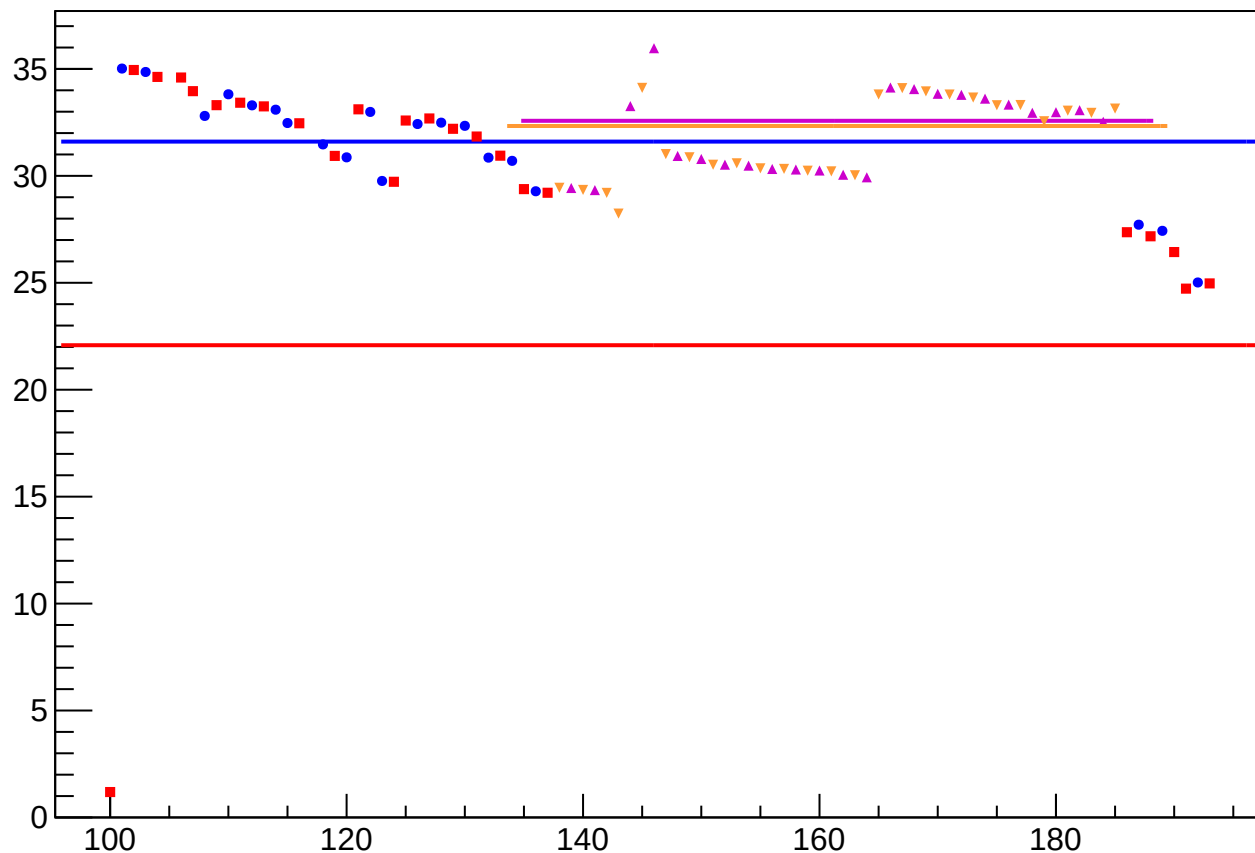
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 771132.0/22

+ sign 0.112 $\pm$ 0.000 χ^2 /NDF: 3656604.5/44

All: 0.114 $\pm$ 0.000 χ^2 /NDF: 8540142.2/91

- sign 0.117 $\pm$ 0.000 χ^2 /NDF: 4842344.9/46

yield_sam3_mean vs Slug



Right In: 31.602 $\pm$ 0.000 χ^2 /NDF: 2980232474.0/19

Left Out: 32.331 $\pm$ 0.000 χ^2 /NDF: 12850475096.2/24

Right Out: 22.081 $\pm$ 0.000 χ^2 /NDF: 230447918739.4/23

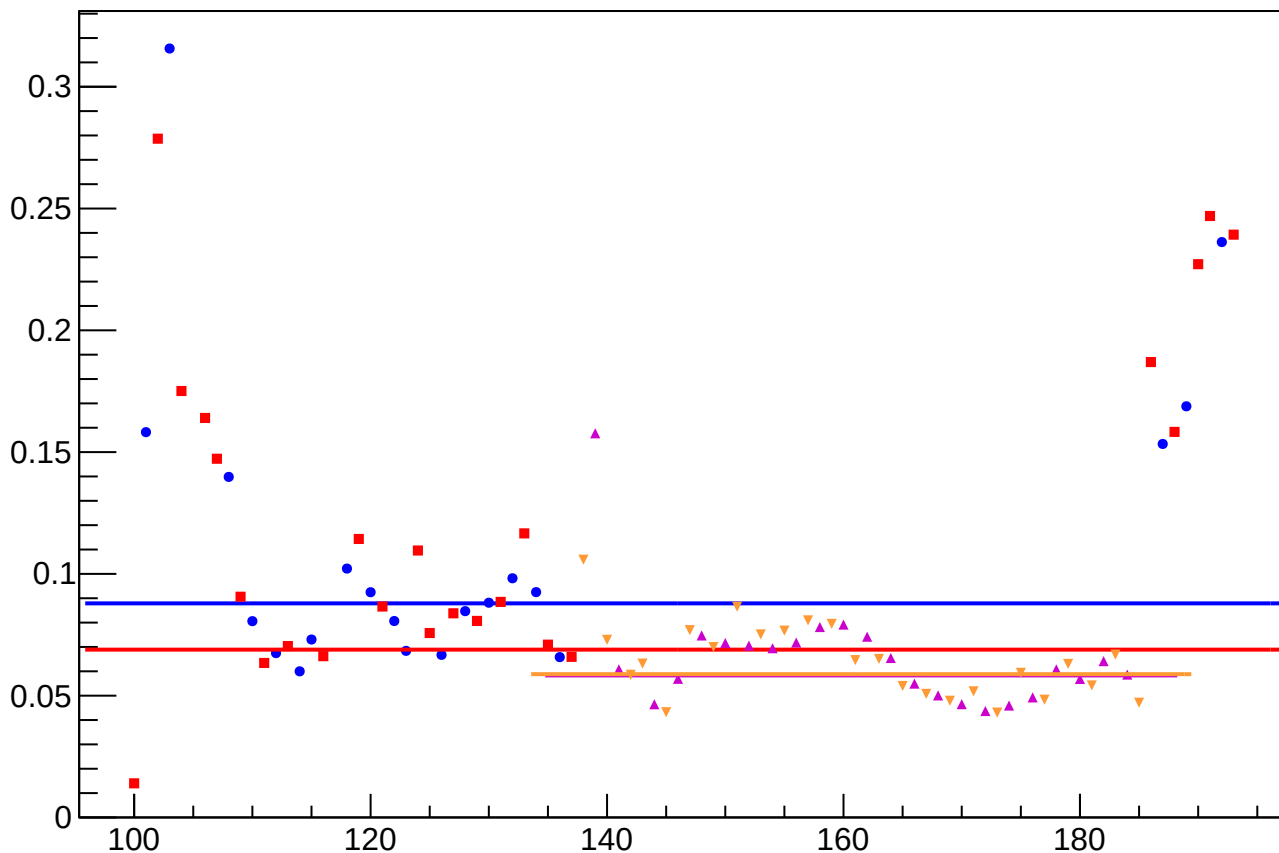
Left In: 32.574 $\pm$ 0.000 χ^2 /NDF: 11797772603.7/22

+ sign 32.218 $\pm$ 0.000 χ^2 /NDF: 16169388454.5/44

All: 31.204 $\pm$ 0.000 χ^2 /NDF: 364570800809.

- sign 30.231 $\pm$ 0.000 χ^2 /NDF: 338634020234.7/46

yield_sam3_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 2166059.5/19

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.069 $\pm$ 0.000 χ^2 /NDF: 5855985.6/23

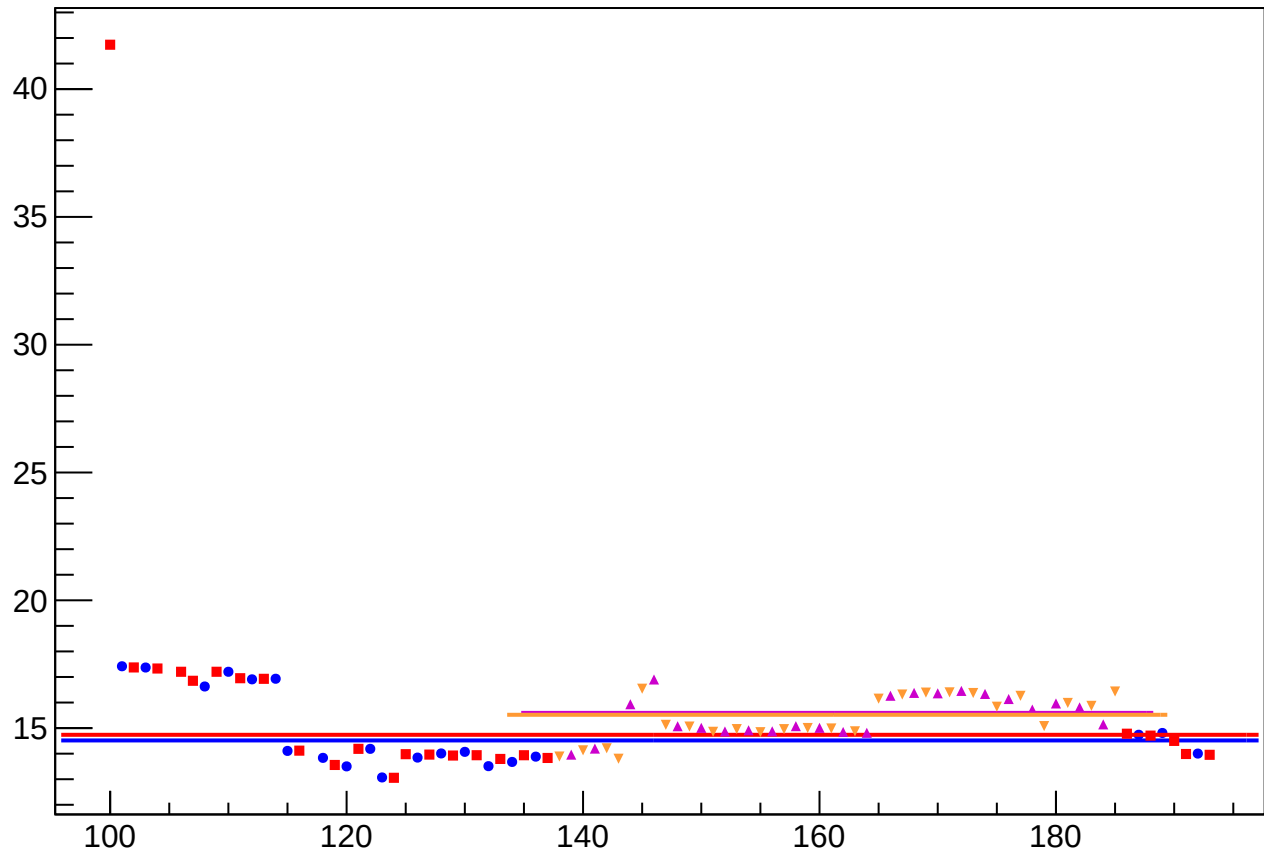
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.063 $\pm$ 0.000 χ^2 /NDF: 4644691.4/44

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 12257588.5/91

- sign 0.061 $\pm$ 0.000 χ^2 /NDF: 7577679.9/46

yield_sam4_mean vs Slug



Right In: 14.517+/-0.000 χ^2/NDF : 1492323924.2/19

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.738+/-0.000 χ^2/NDF : 1916747120.0/23

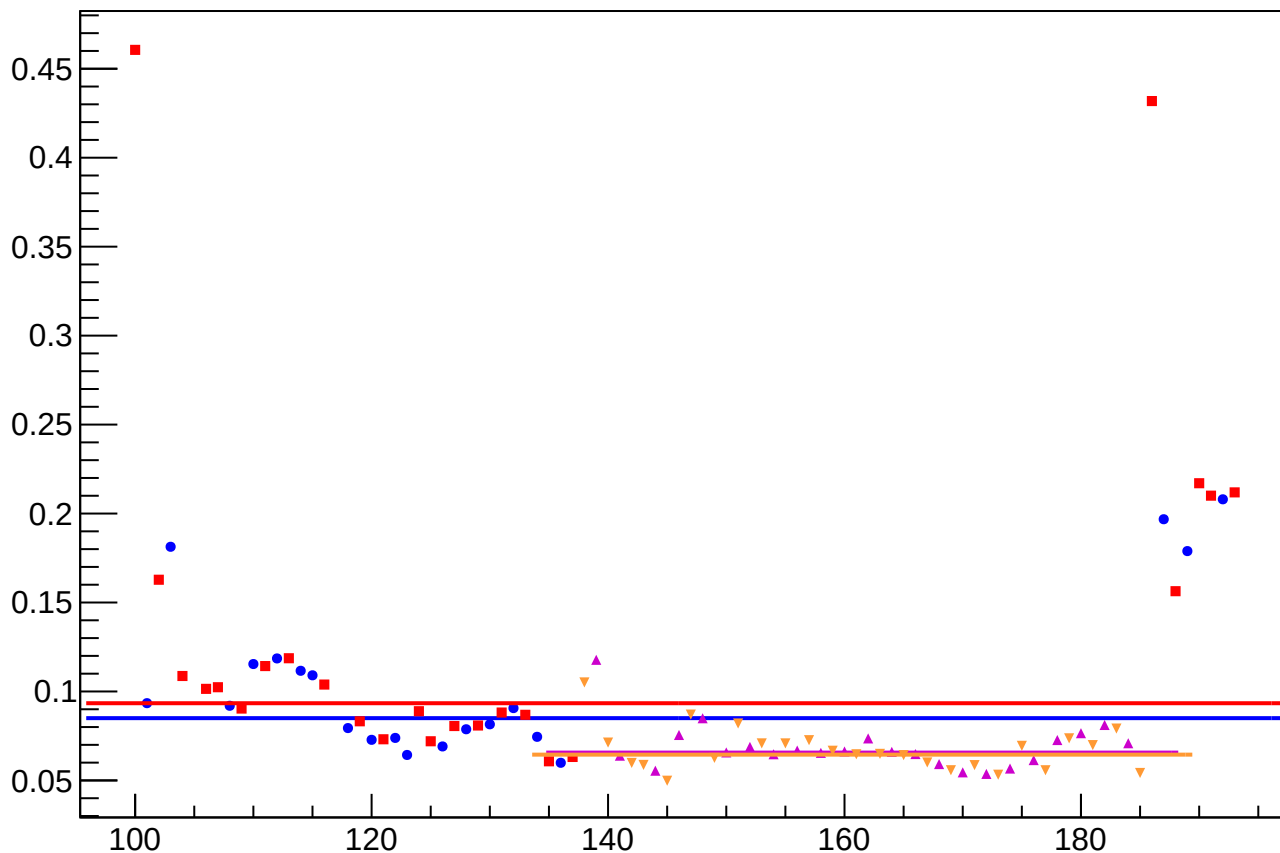
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.327+/-0.000 χ^2/NDF : 4812326768.2/44

All: 15.373+/-0.000 χ^2/NDF : 9166796256.0/9

- sign 15.423+/-0.000 χ^2/NDF : 4334178412.5/46

yield_sam4_rms vs Slug



Right In: 0.085 $\pm$ 0.000 χ^2 /NDF: 1769714.2/19

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 2375459.2/23

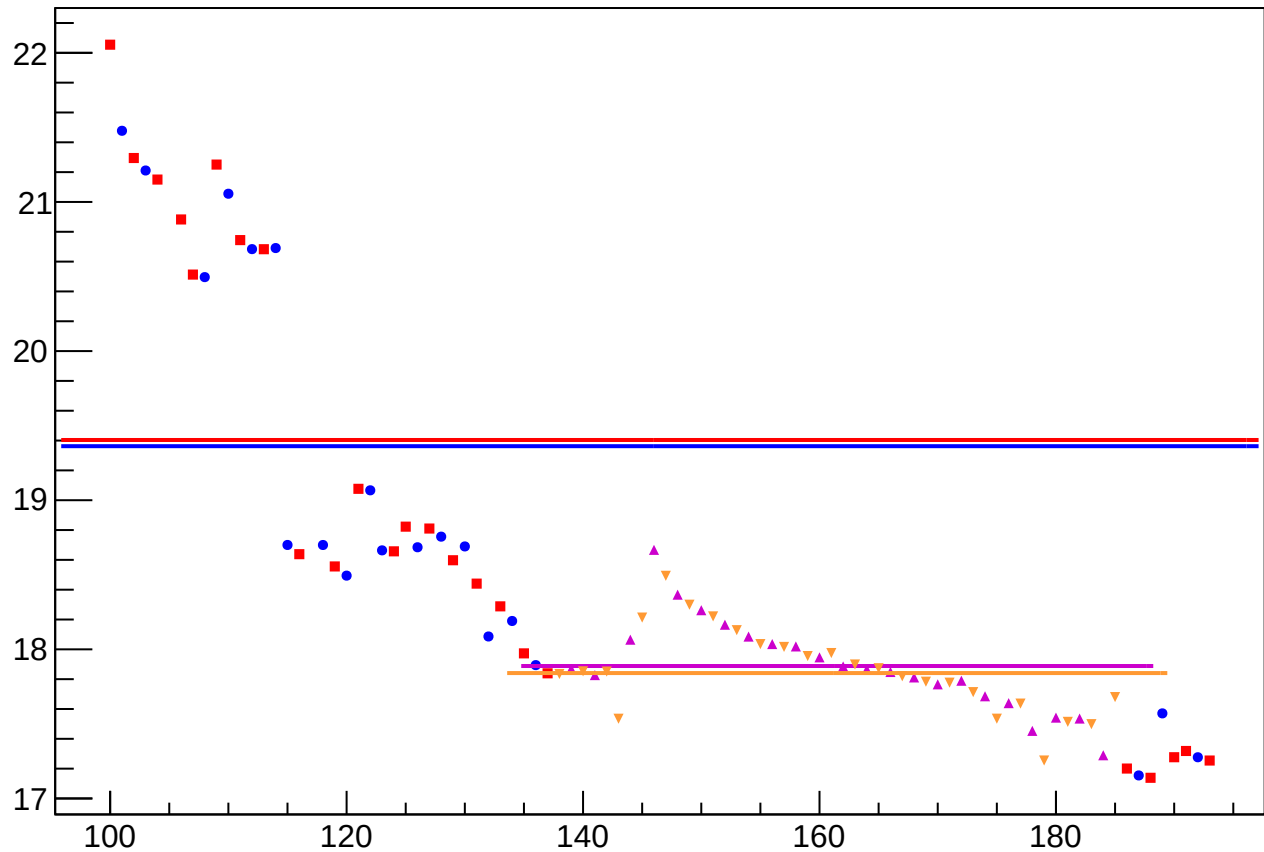
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.068 $\pm$ 0.000 χ^2 /NDF: 3139676.9/44

All: 0.070 $\pm$ 0.000 χ^2 /NDF: 7329687.2/91

- sign 0.071 $\pm$ 0.000 χ^2 /NDF: 4155501.9/46

yield_sam5_mean vs Slug



Right In: 19.362 $\pm$ 0.000 χ^2 /NDF: 16873843999.9/19

Left Out: 17.841 $\pm$ 0.000 χ^2 /NDF: 1283287989.7/24

Right Out: 19.404 $\pm$ 0.000 χ^2 /NDF: 19101316143.7/23

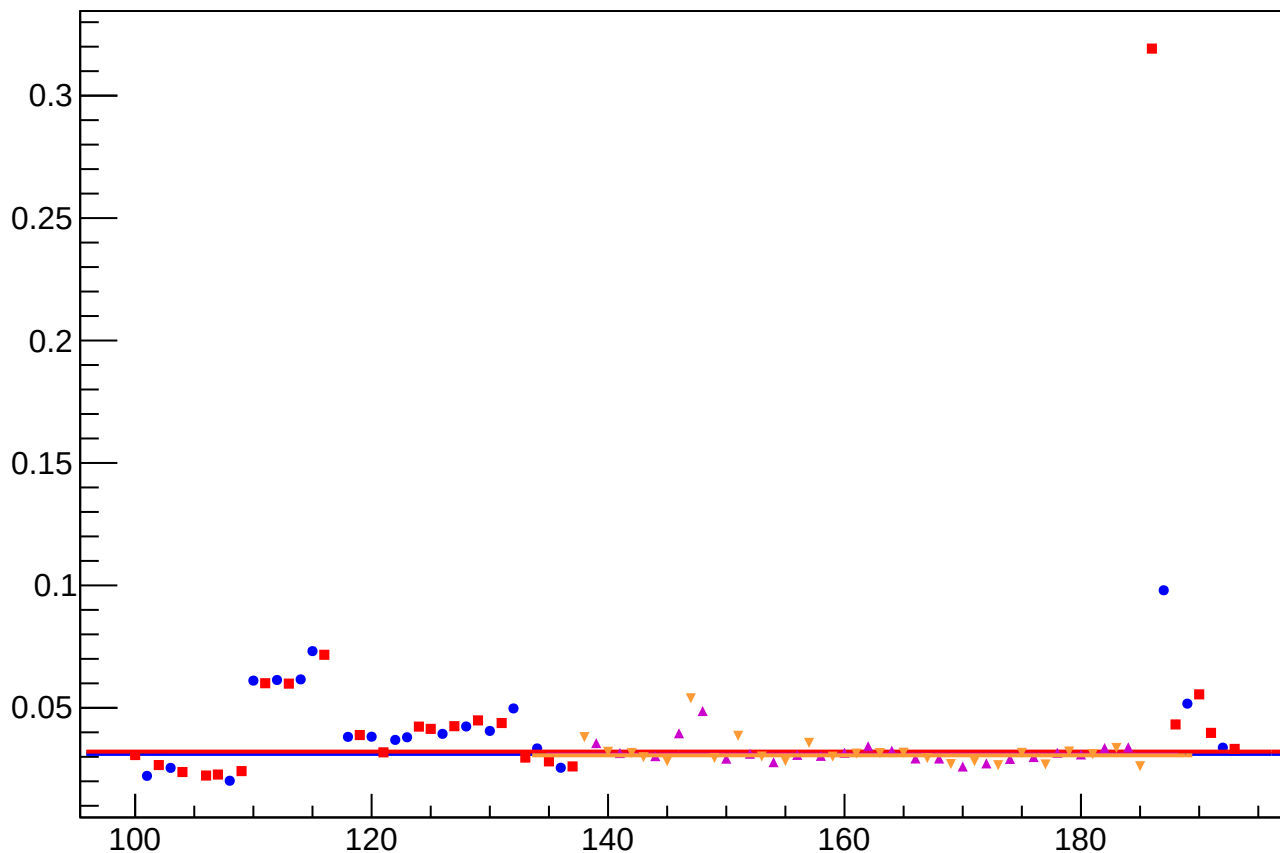
Left In: 17.888 $\pm$ 0.000 χ^2 /NDF: 1203002311.3/22

+ sign 18.258 $\pm$ 0.000 χ^2 /NDF: 29986277058.0/44

All: 18.305 $\pm$ 0.000 χ^2 /NDF: 62607227786.0

- sign 18.352 $\pm$ 0.000 χ^2 /NDF: 32509305499.6/46

yield_sam5_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 1598569.3/19

Left Out: 0.031+/-0.000 χ^2/NDF : 590475.6/24

Right Out: 0.032+/-0.000 χ^2/NDF : 2031394.8/23

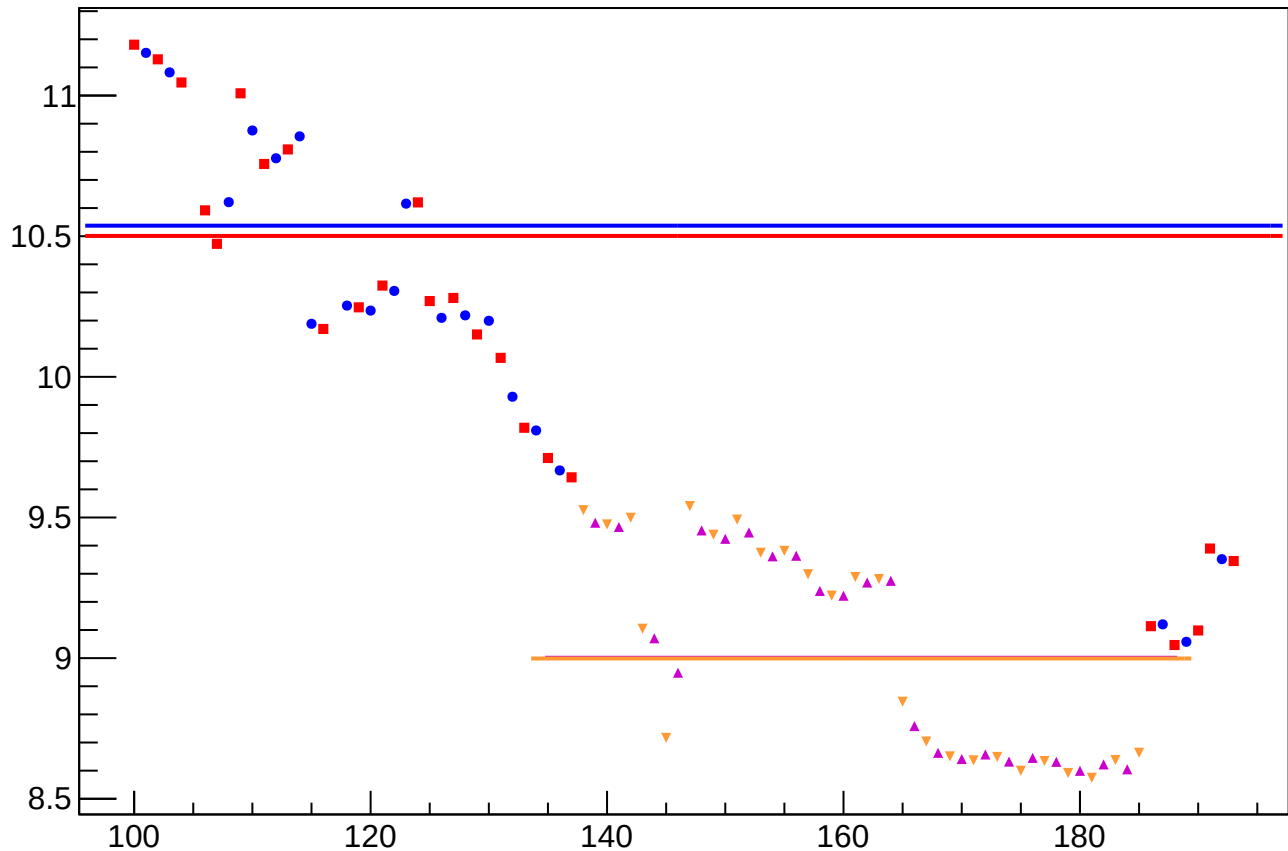
Left In: 0.031+/-0.000 χ^2/NDF : 453524.6/22

+ sign 0.031+/-0.000 χ^2/NDF : 2192517.5/44

All: 0.031+/-0.000 χ^2/NDF : 4699905.3/91

- sign 0.031+/-0.000 χ^2/NDF : 2500831.5/46

yield_sam6_mean vs Slug



Right In: 10.537 $\pm$ 0.000 χ^2 /NDF: 9039199546.5/19

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.501 $\pm$ 0.000 χ^2 /NDF: 8497010816.2/23

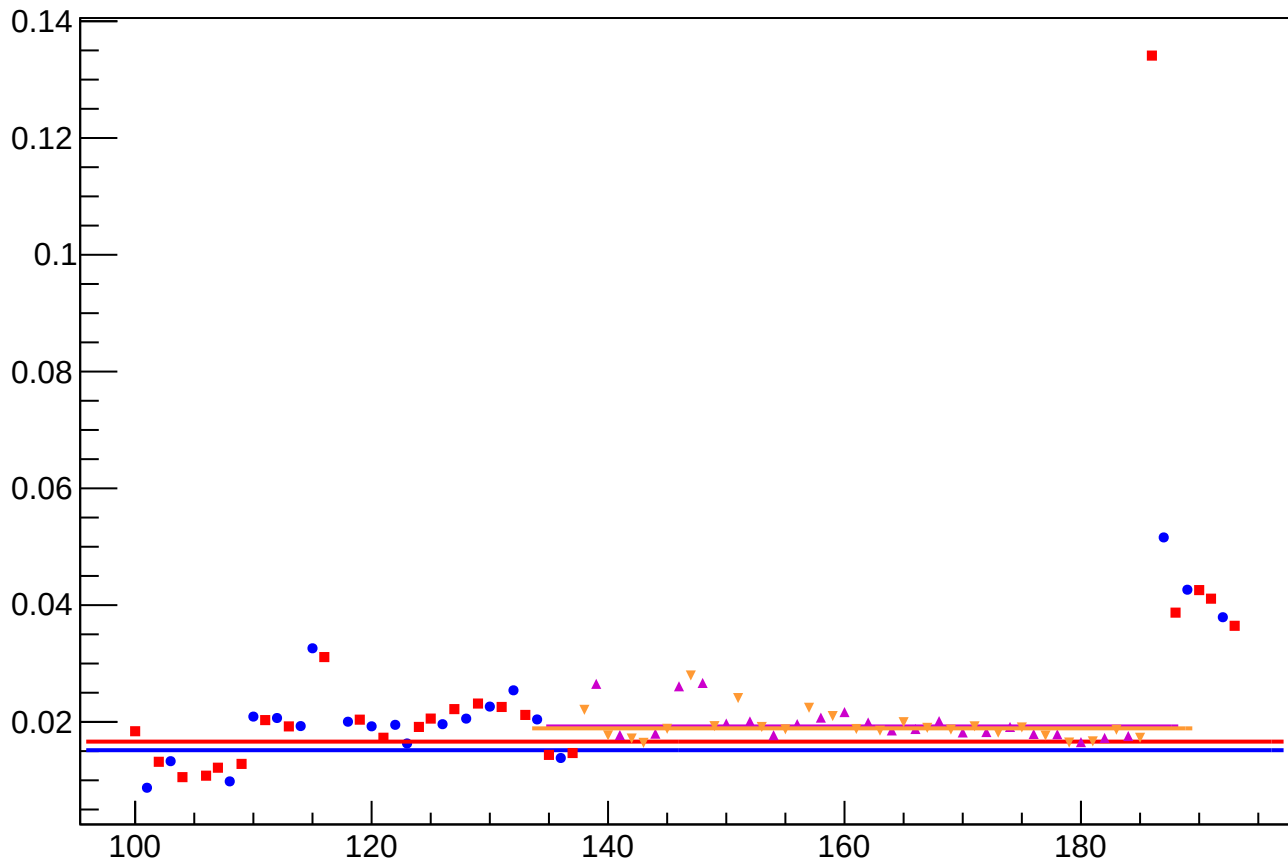
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.559 $\pm$ 0.000 χ^2 /NDF: 55967640012.5/44

All: 9.568 $\pm$ 0.000 χ^2 /NDF: 106773543944.7

- sign 9.577 $\pm$ 0.000 χ^2 /NDF: 50794518015.2/46

yield_sam6_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 2581017.1/19

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.017+/-0.000 χ^2/NDF : 3043765.6/23

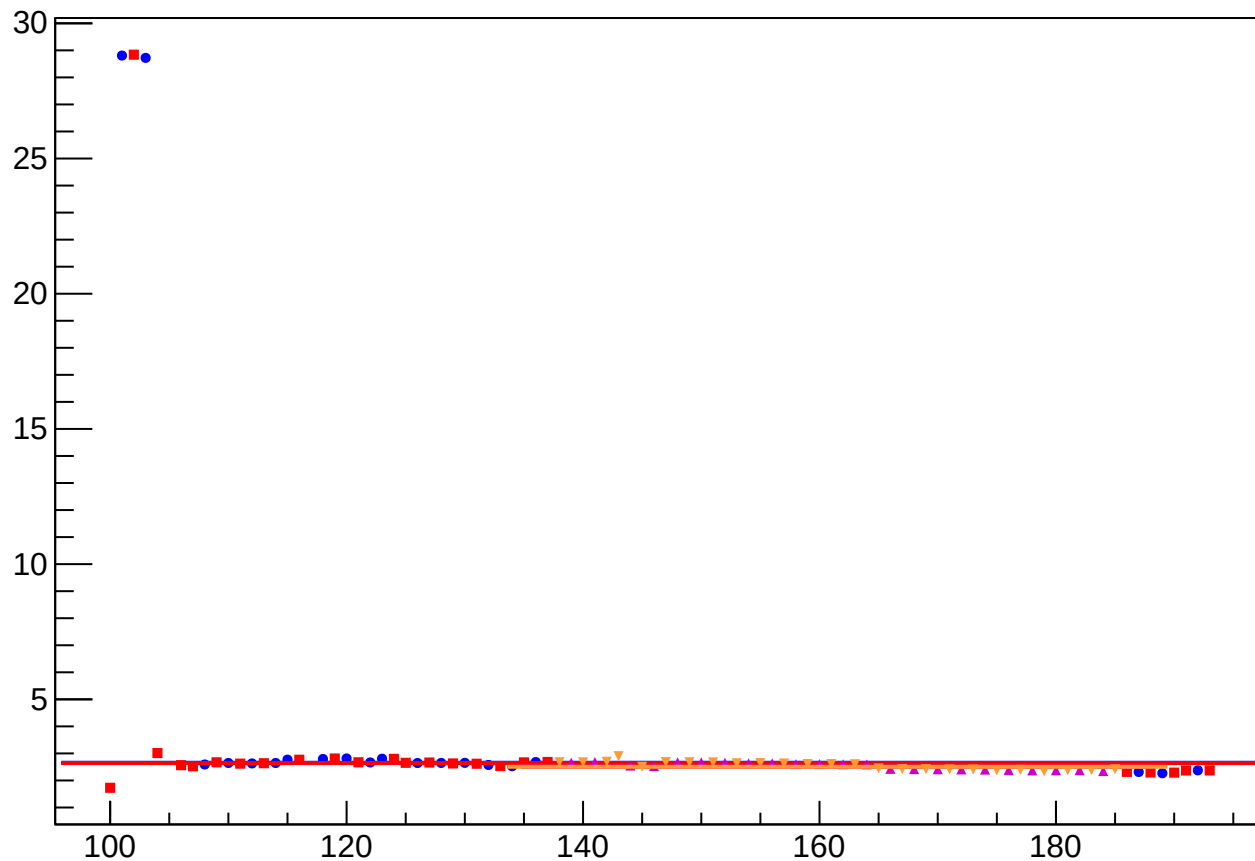
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.018+/-0.000 χ^2/NDF : 3488755.8/44

All: 0.018+/-0.000 χ^2/NDF : 7270782.9/91

- sign 0.018+/-0.000 χ^2/NDF : 3747583.0/46

yield_sam7_mean vs Slug



Right In: 2.655 $\pm$ 0.000 χ^2 /NDF: 167499020864.0/19

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.644 $\pm$ 0.000 χ^2 /NDF: 78784414667.9/23

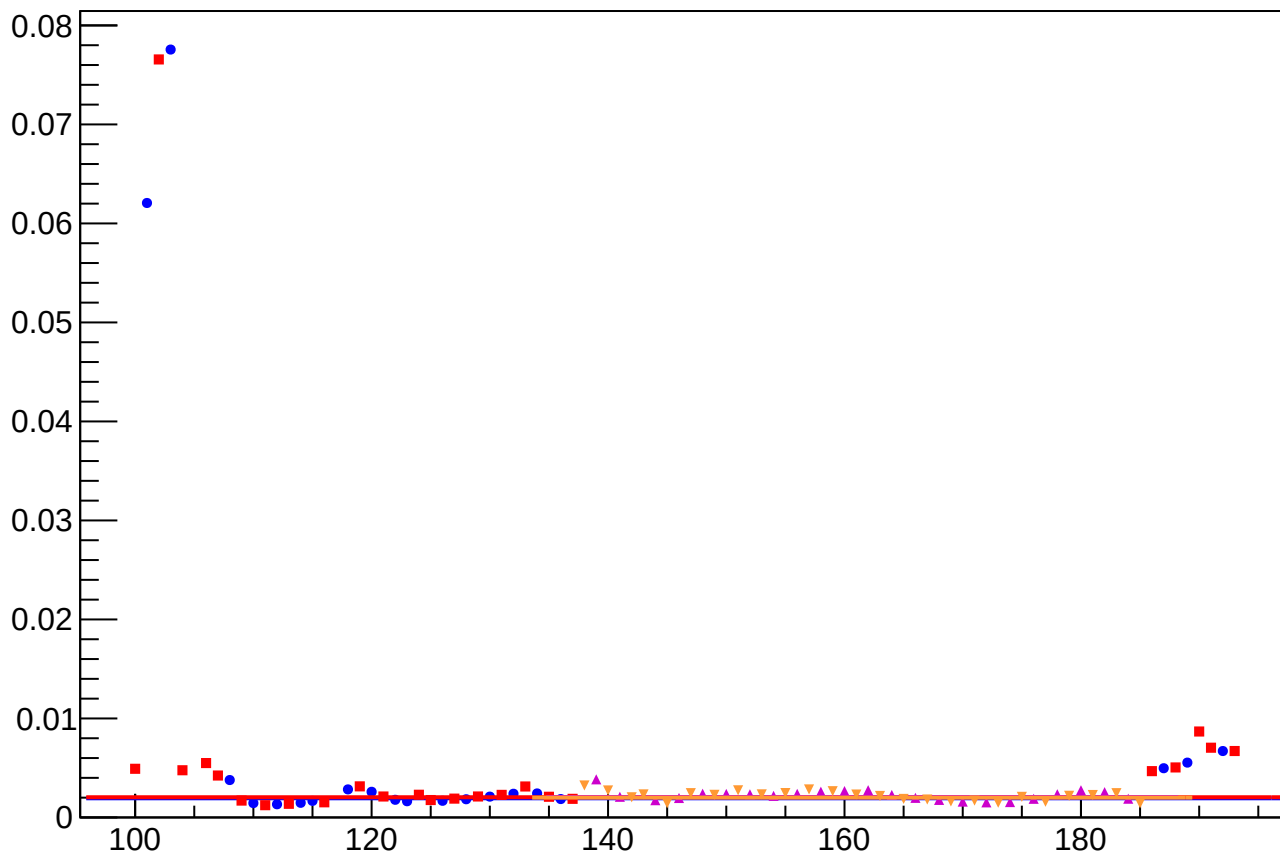
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.547 $\pm$ 0.000 χ^2 /NDF: 253719056925.0/44

All: 2.548 $\pm$ 0.000 χ^2 /NDF: 394997521330.8

- sign 2.548 $\pm$ 0.000 χ^2 /NDF: 141276221931.0/46

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4048100.7/19

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4590170.6/23

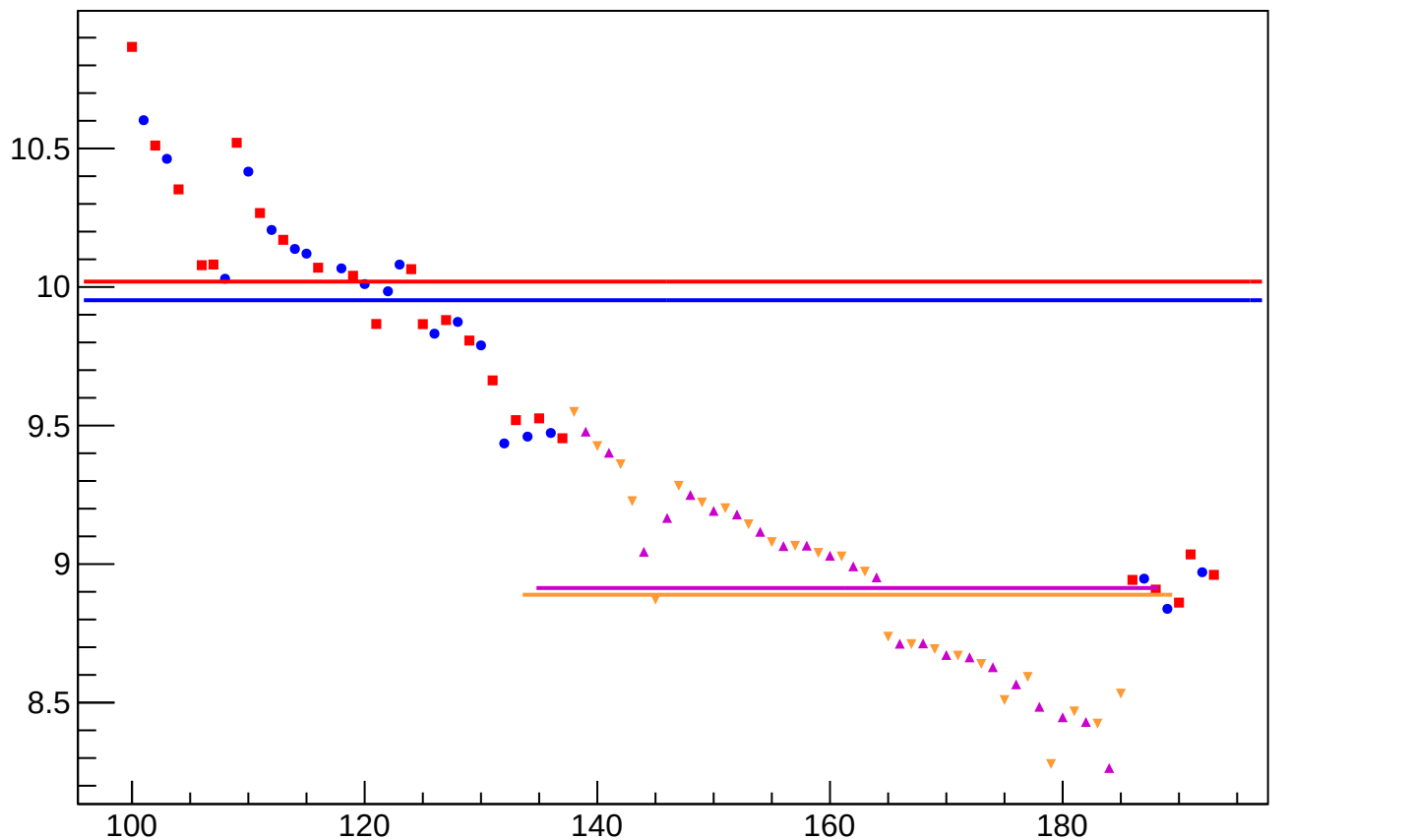
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5527308.9/44

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 11442881.6/91

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5894128.4/46

yield_sam8_mean vs Slug



Right In: 9.952 $\pm$ 0.000 χ^2 /NDF: 25921209396.9/19

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 10.020 $\pm$ 0.000 χ^2 /NDF: 28241593944.7/23

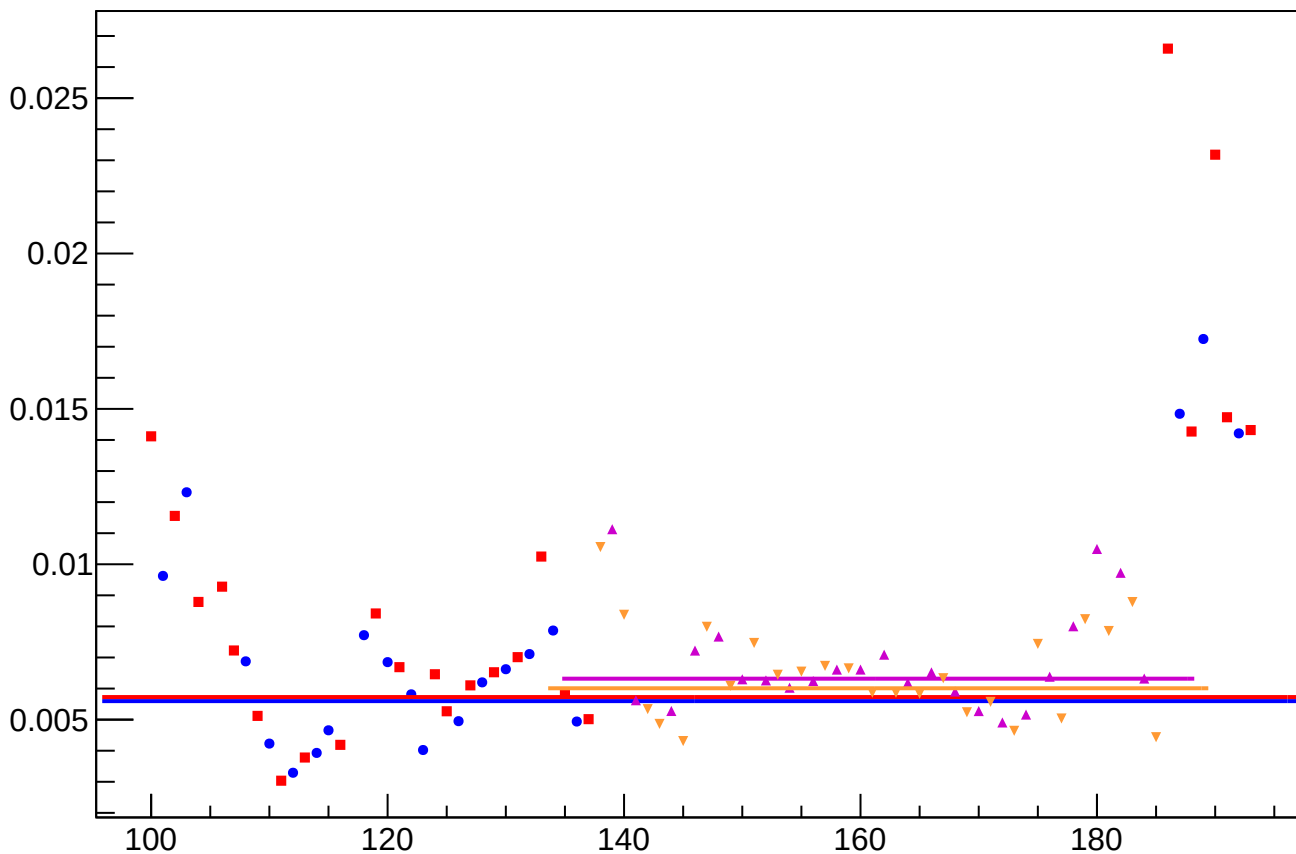
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.227 $\pm$ 0.000 χ^2 /NDF: 205234765371.4/44

All: 9.272 $\pm$ 0.000 χ^2 /NDF: 420532337666.6

- sign 9.319 $\pm$ 0.000 χ^2 /NDF: 212889516100.3/46

yield_sam8_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2429067.0/19

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 3911442.2/23

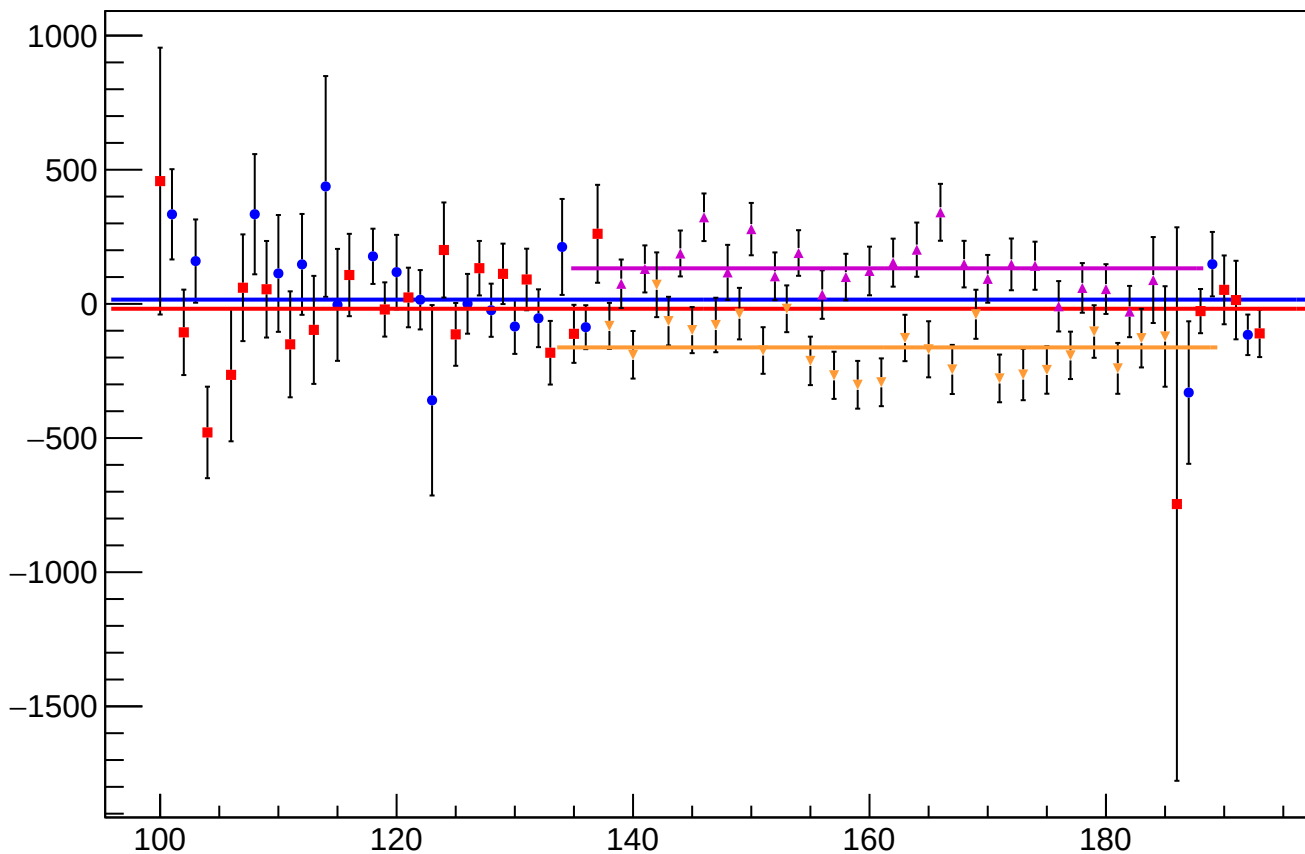
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 3785312.1/44

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 8901566.8/91

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 5087846.3/46

reg_asym_sam1_mean vs Slug



Right In: 15.953+/-28.690 χ^2/NDF : 22.6/19

Left Out: -162.161+/-18.745 χ^2/NDF : 25.7/24

Right Out: -18.157+/-27.223 χ^2/NDF : 24.8/23

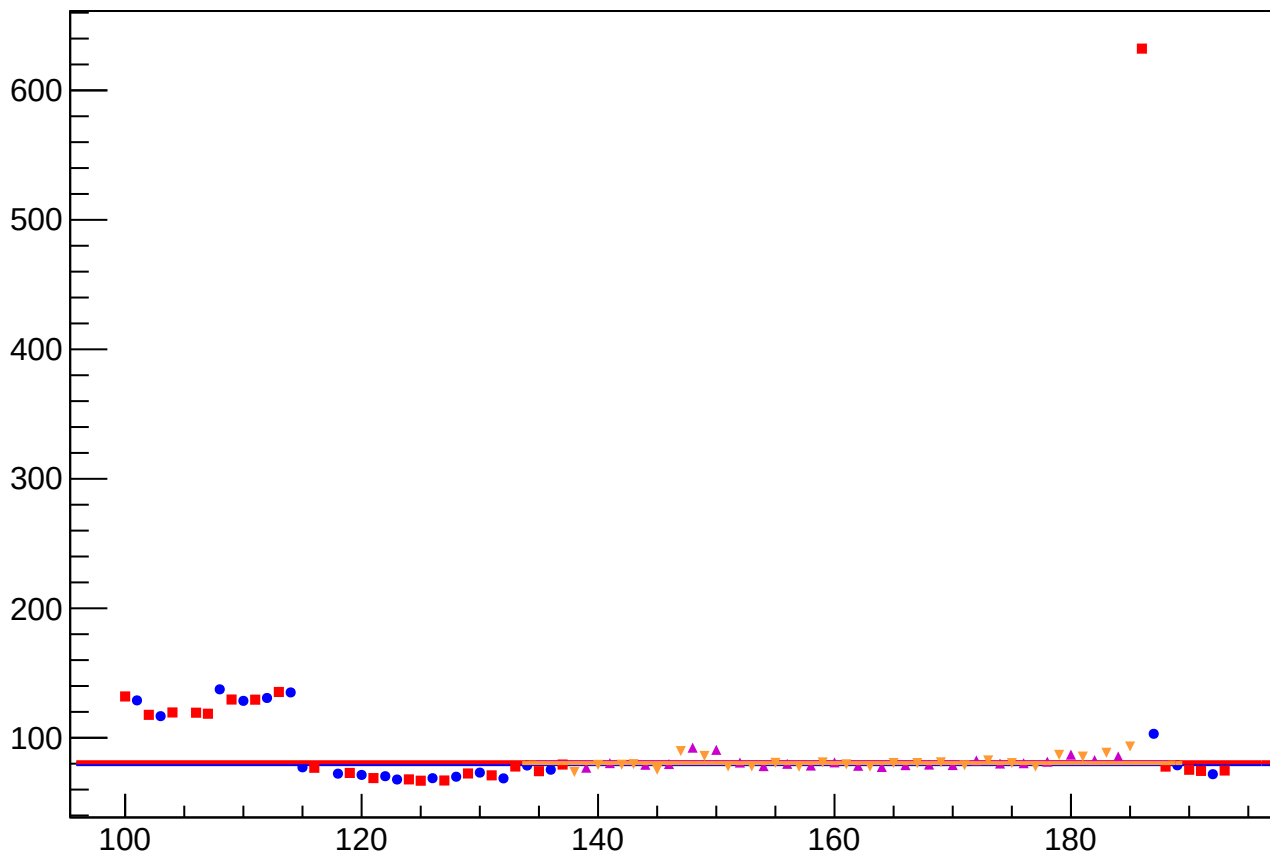
Left In: 132.557+/-19.403 χ^2/NDF : 20.7/22

+ sign -108.876+/-15.692 χ^2/NDF : 75.3/44

All: -14.201+/-11.134 χ^2/NDF : 214.5/91

- sign 81.786+/-15.801 χ^2/NDF : 65.9/46

reg_asym_sam1_rms vs Slug



Right In: 79.641 $\pm$ 0.020 χ^2 /NDF: 847027.8/19

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 81.126 $\pm$ 0.019 χ^2 /NDF: 1505998.1/23

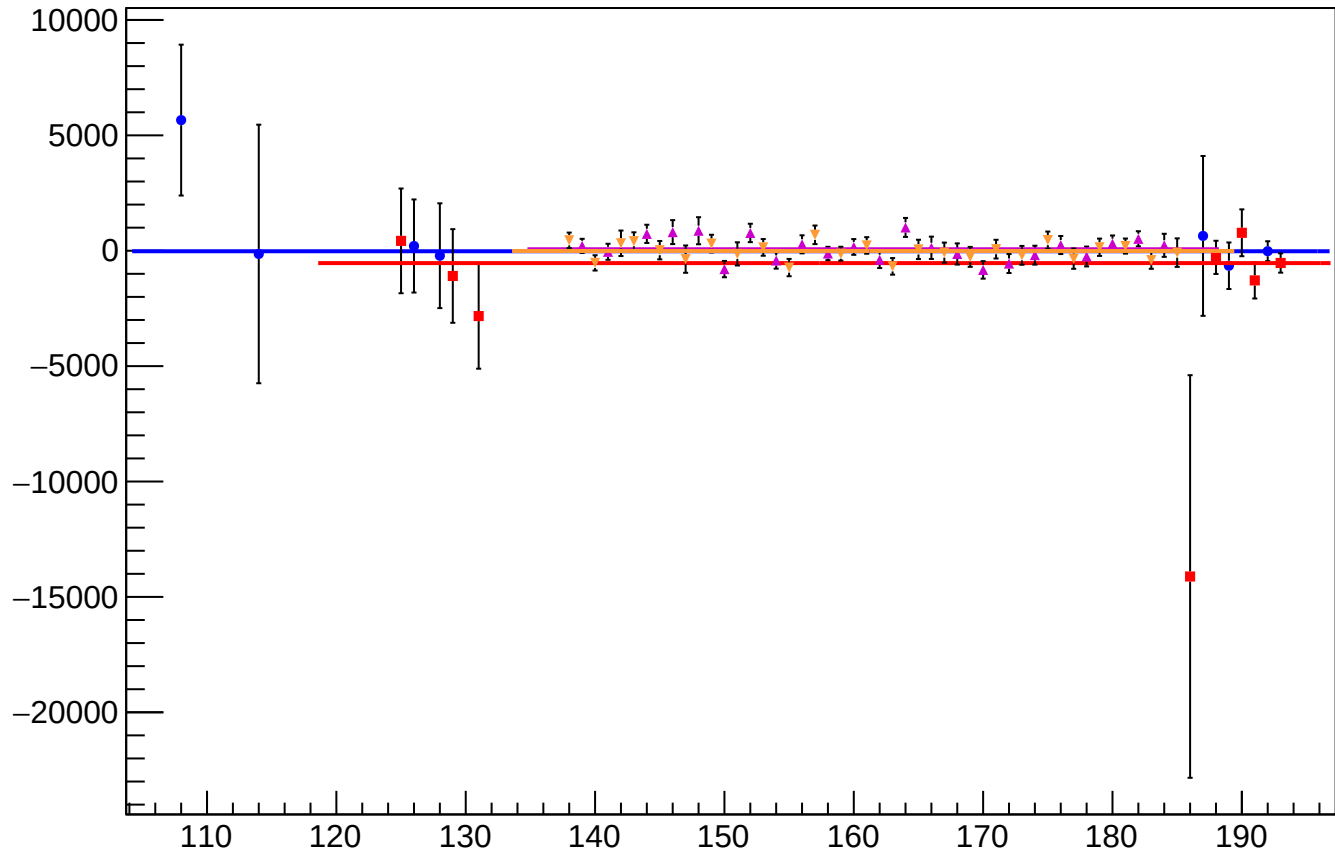
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 80.214 $\pm$ 0.011 χ^2 /NDF: 938107.8/44

All: 80.630 $\pm$ 0.008 χ^2 /NDF: 2519207.5/91

- sign 81.052 $\pm$ 0.011 χ^2 /NDF: 1578270.9/46

asym_sam1_correction_mean vs Slug



Right In: -21.859 ± 377.076 χ^2/NDF : 3.5/6

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -535.515 ± 303.090 χ^2/NDF : 6.4/7

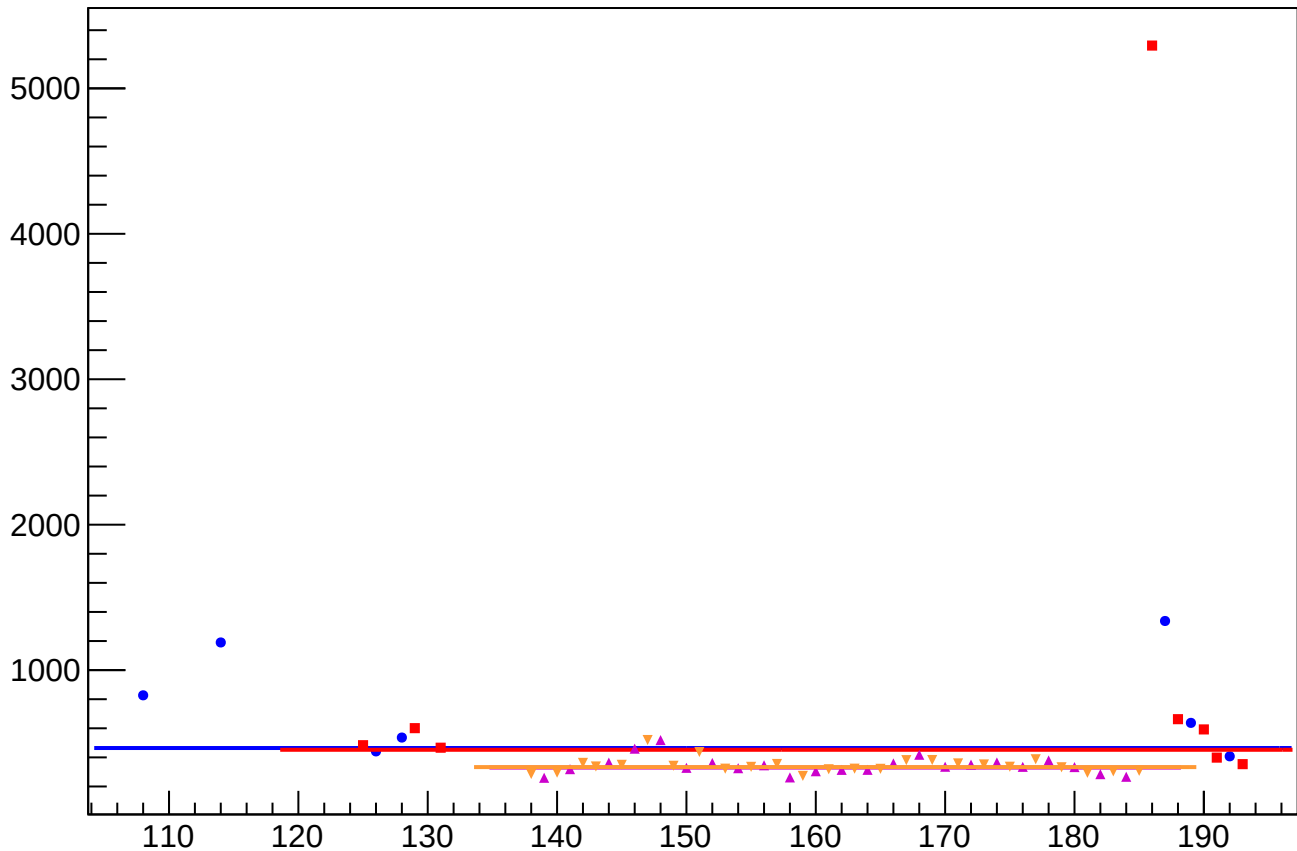
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -10.957 ± 76.750 χ^2/NDF : 26.0/31

All: 7.101 ± 54.496 χ^2/NDF : 73.6/62

- sign 25.463 ± 77.393 χ^2/NDF : 47.5/30

asym_sam1_correction_rms vs Slug



Right In: 464.413 $\pm$ 0.267 χ^2 /NDF: 281610.1/6

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 452.309 $\pm$ 0.214 χ^2 /NDF: 957756.2/7

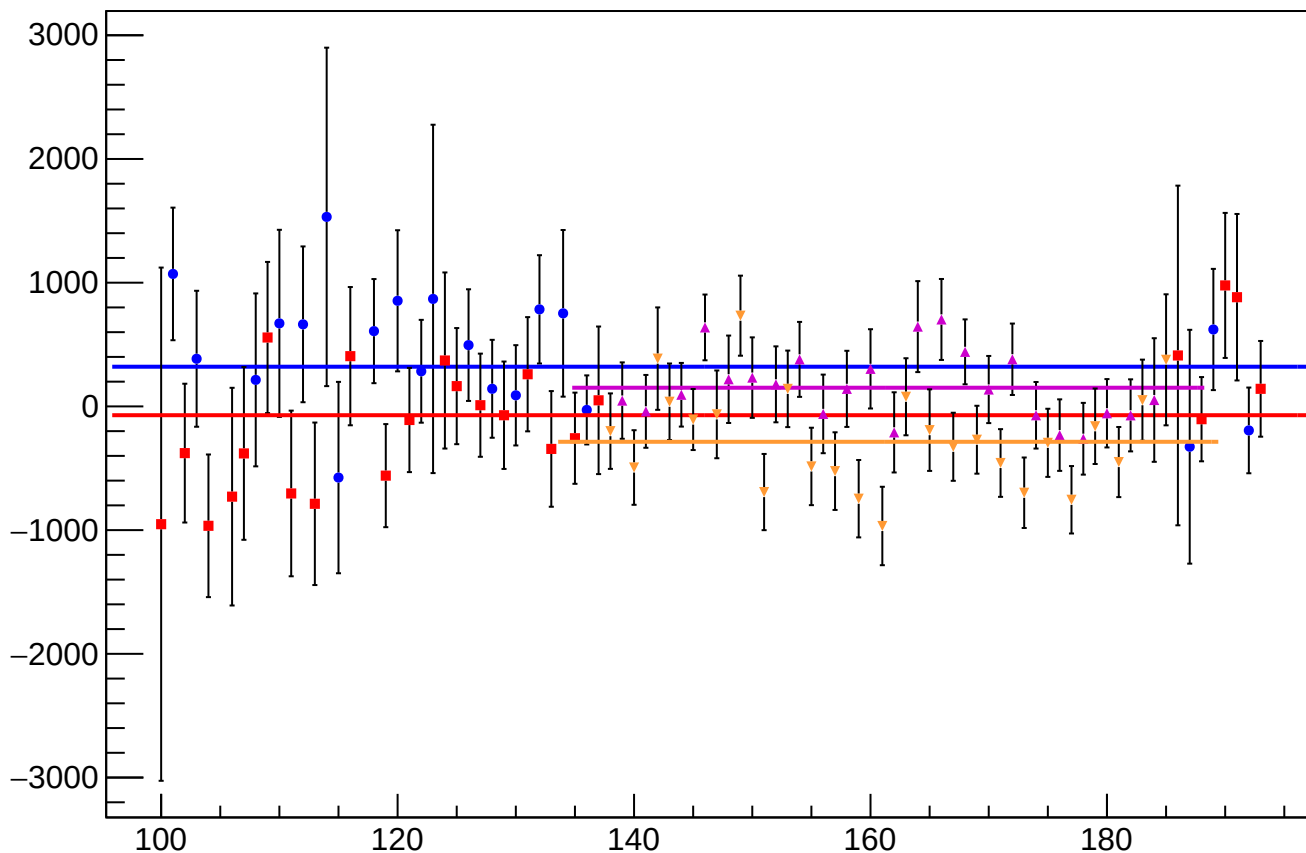
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 338.668 $\pm$ 0.054 χ^2 /NDF: 1105755.6/31

All: 338.317 $\pm$ 0.039 χ^2 /NDF: 3164091.0/62

- sign 337.961 $\pm$ 0.055 χ^2 /NDF: 2058251.4/30

reg_asym_sam2_mean vs Slug



Right In: 320.767 $\pm$ 110.709 χ^2 /NDF: 13.0/19

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -71.199 $\pm$ 105.663 χ^2 /NDF: 16.4/23

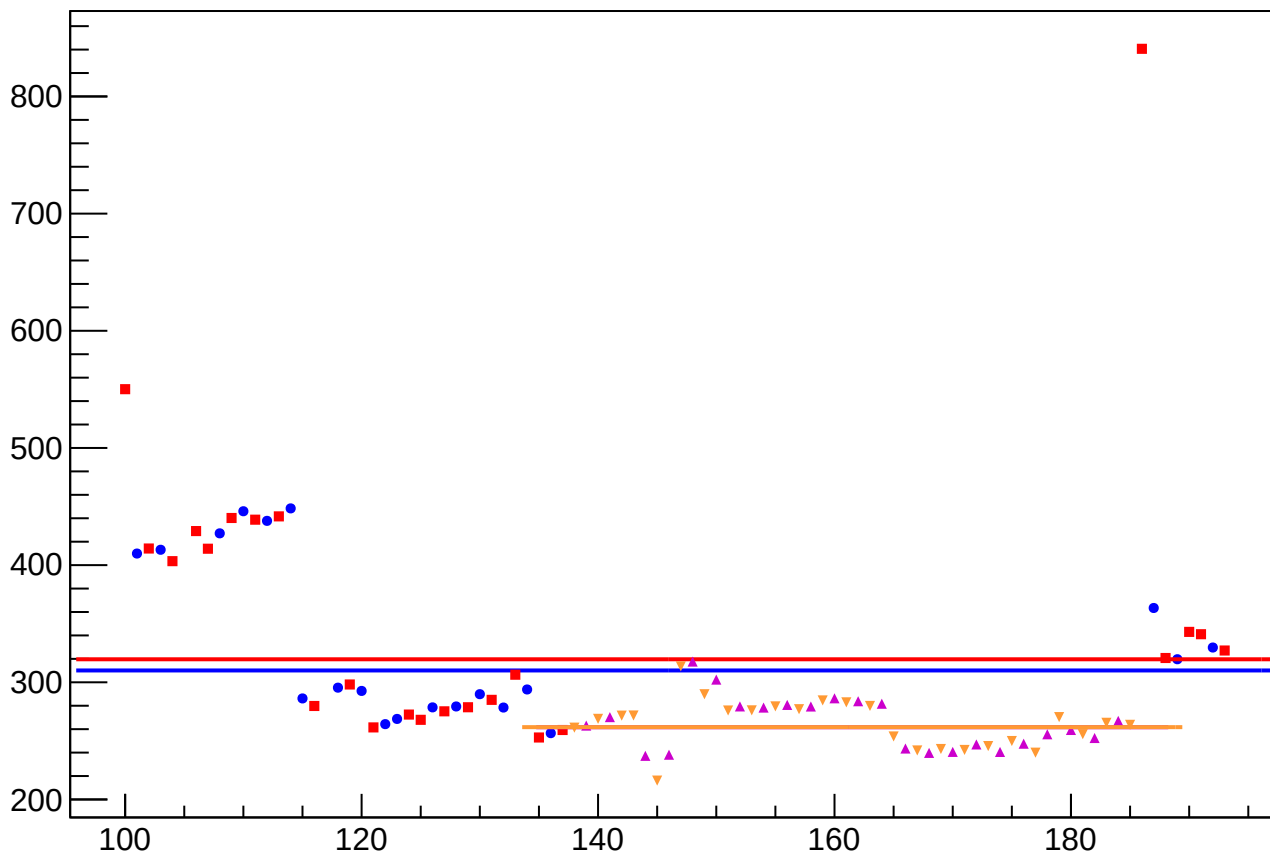
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -144.377 $\pm$ 53.490 χ^2 /NDF: 72.6/44

All: -26.848 $\pm$ 38.001 χ^2 /NDF: 120.6/91

- sign 92.915 $\pm$ 53.996 χ^2 /NDF: 38.3/46

reg_asym_sam2_rms vs Slug



Right In: 310.105 $\pm$ 0.078 χ^2 /NDF: 520637.3/19

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 319.643 $\pm$ 0.075 χ^2 /NDF: 921516.9/23

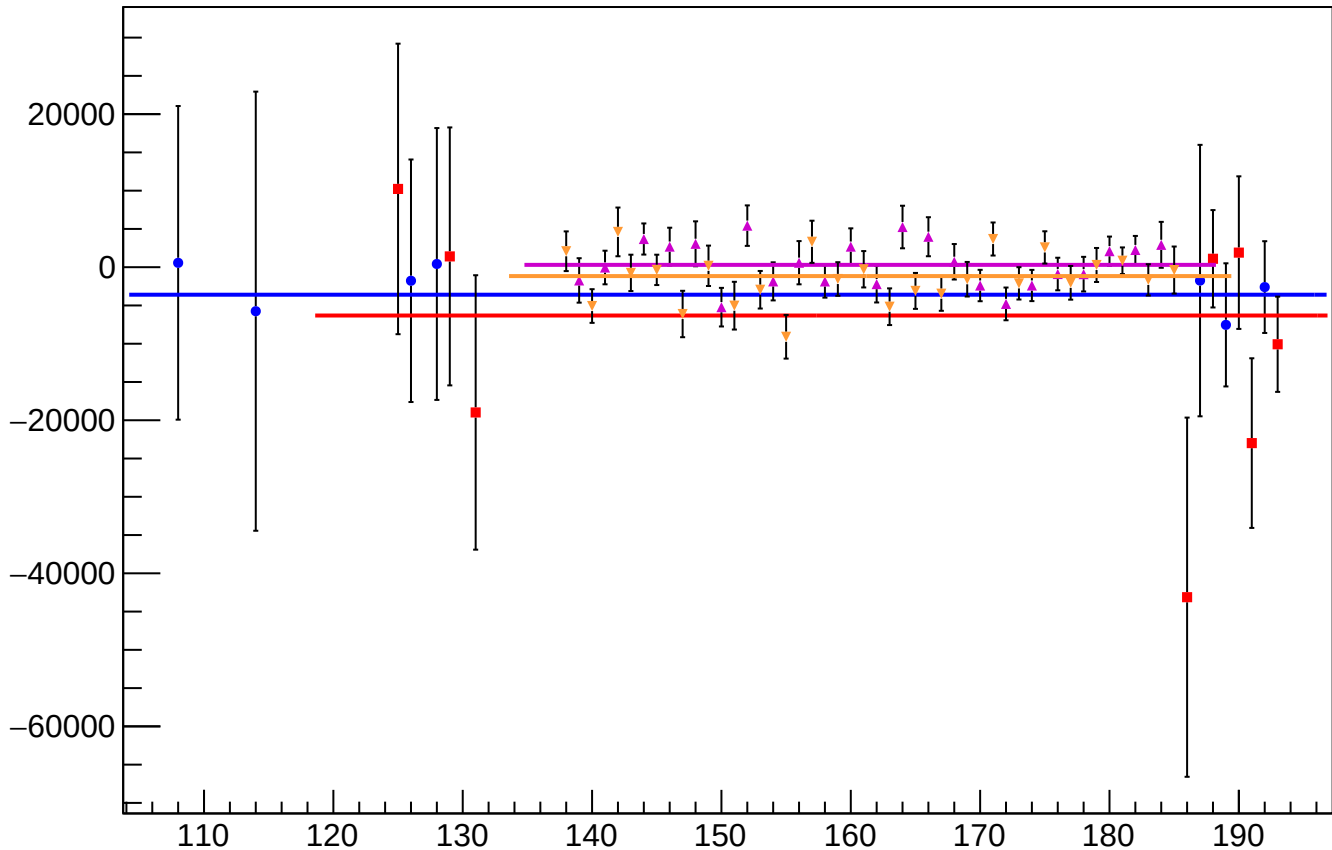
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 273.016 $\pm$ 0.038 χ^2 /NDF: 1046684.7/44

All: 274.883 $\pm$ 0.027 χ^2 /NDF: 2646707.1/91

- sign 276.785 $\pm$ 0.038 χ^2 /NDF: 1595106.8/46

asym_sam2_correction_mean vs Slug



Right In: -3595.789 ± 4181.133 χ^2/NDF : 0.4/6

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -6314.019 ± 3536.321 χ^2/NDF : 8.6/7

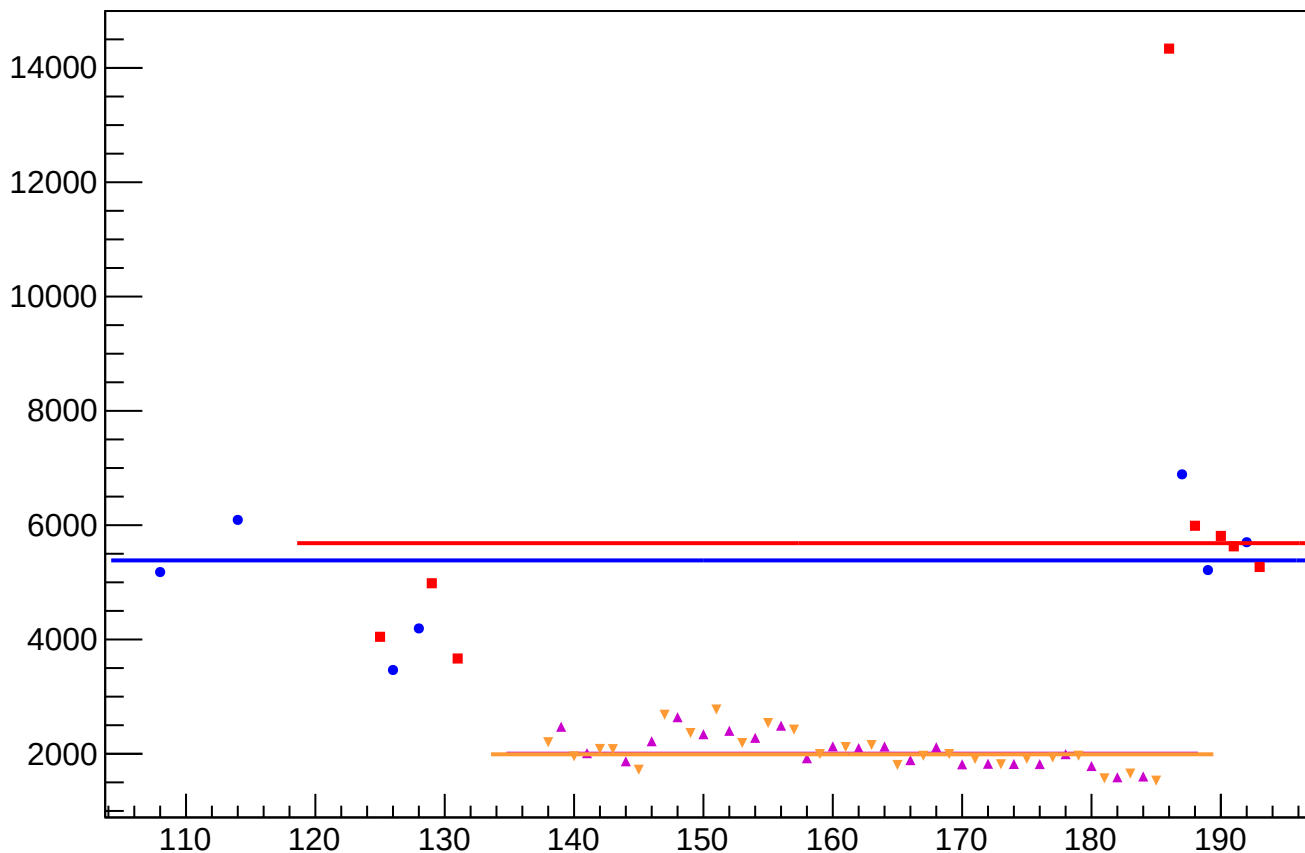
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1191.696 ± 466.113 χ^2/NDF : 39.5/31

All: -523.647 ± 334.161 χ^2/NDF : 91.1/62

- sign 182.779 ± 479.314 χ^2/NDF : 47.4/30

asym_sam2_correction_rms vs Slug



Right In: 5383.586+/-2.957 $\chi^2/\text{NDF}: 60621.7/6$

Left Out: 1991.105+/-0.332 $\chi^2/\text{NDF}: 726310.6/24$

Right Out: 5685.282+/-2.501 $\chi^2/\text{NDF}: 329501.2/7$

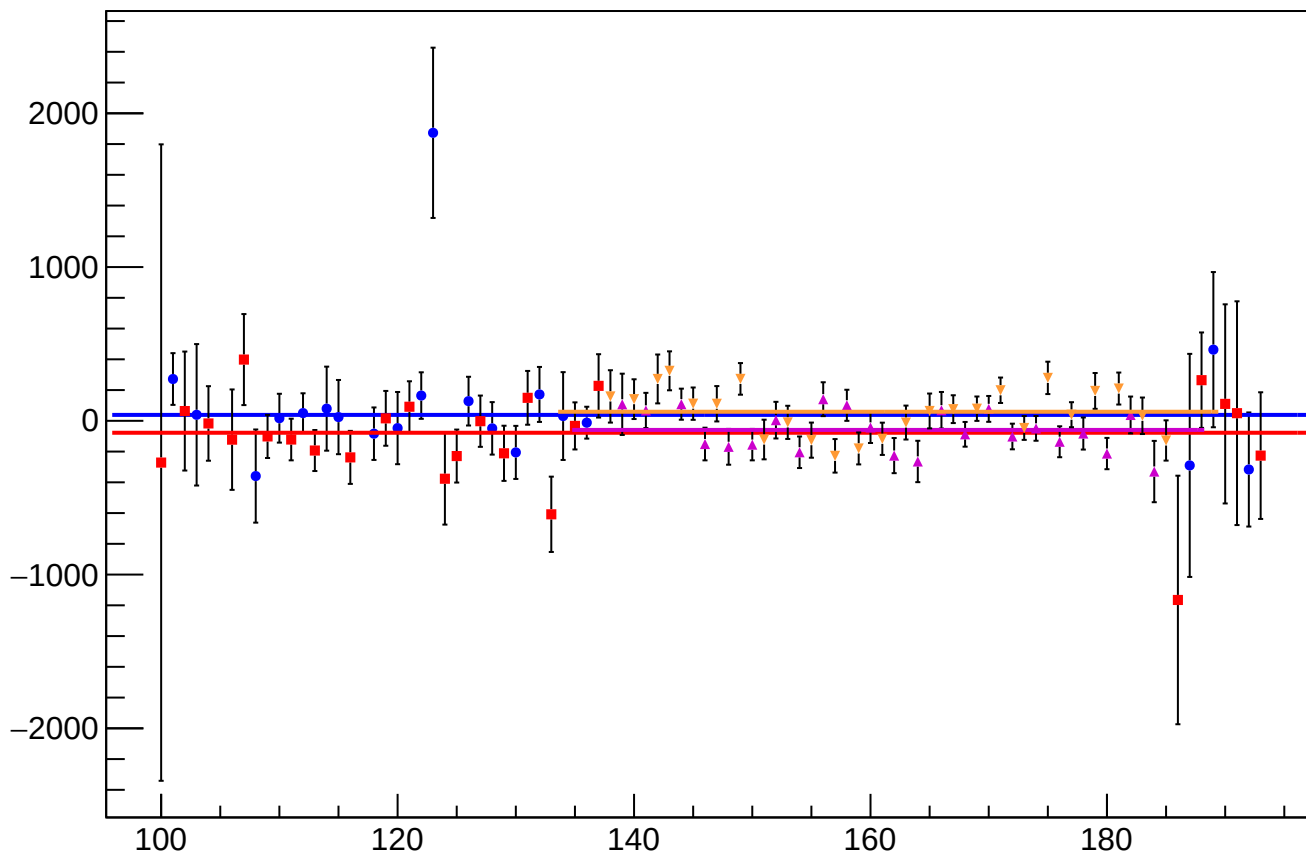
Left In: 2002.154+/-0.342 $\chi^2/\text{NDF}: 585947.4/22$

+ sign 2033.266+/-0.330 $\chi^2/\text{NDF}: 2087238.6/31$

All: 2051.031+/-0.236 $\chi^2/\text{NDF}: 5138312.5/62$

- sign 2069.817+/-0.339 $\chi^2/\text{NDF}: 3045096.2/30$

reg_asym_sam3_mean vs Slug



Right In: 38.514 ± 43.099 χ^2/NDF : 21.2/19

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -77.637 ± 42.348 χ^2/NDF : 20.3/23

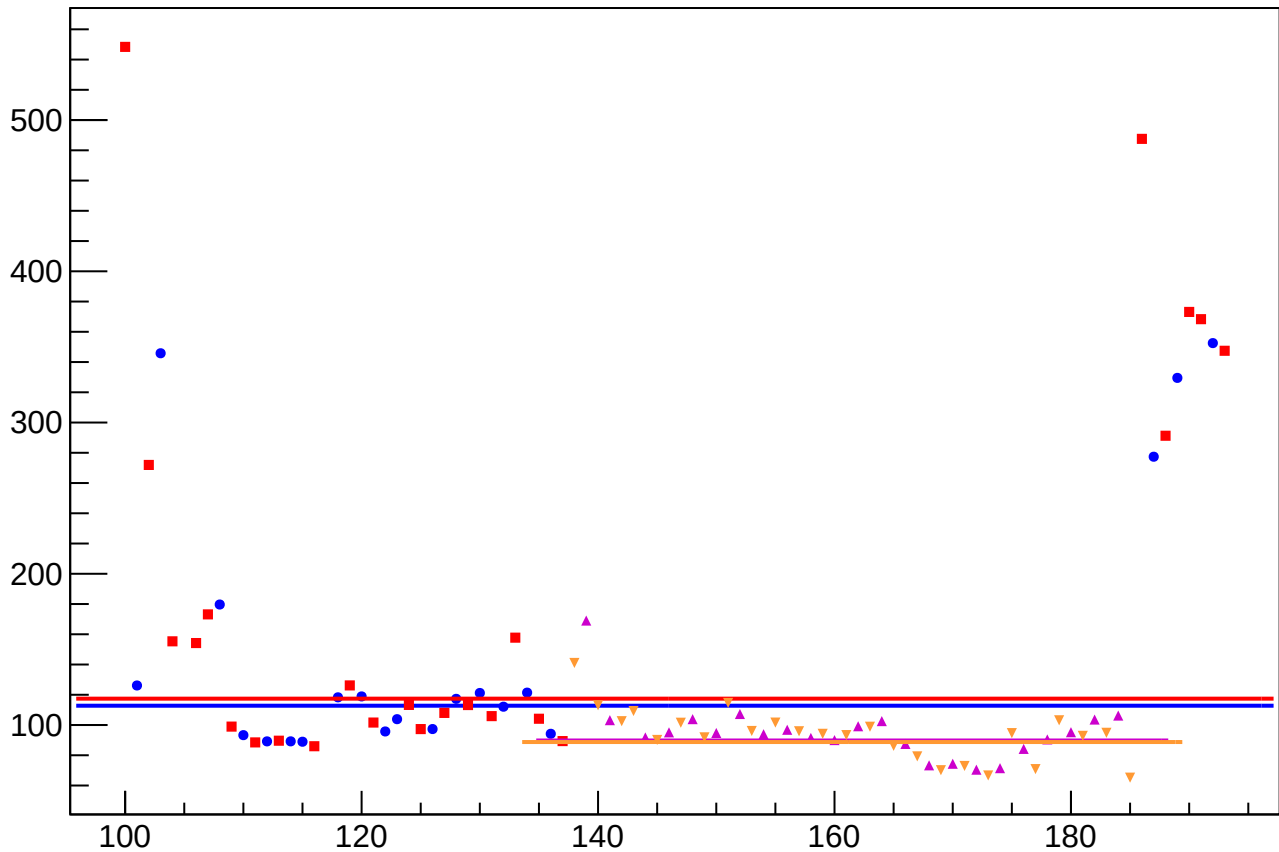
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 55.014 ± 18.978 χ^2/NDF : 68.3/44

All: -2.550 ± 13.589 χ^2/NDF : 137.1/91

- sign -63.123 ± 19.468 χ^2/NDF : 49.9/46

reg_asym_sam3_rms vs Slug



Right In: 112.762 $\pm$ 0.030 χ^2 /NDF: 2182605.0/19

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 117.430 $\pm$ 0.030 χ^2 /NDF: 3224196.4/23

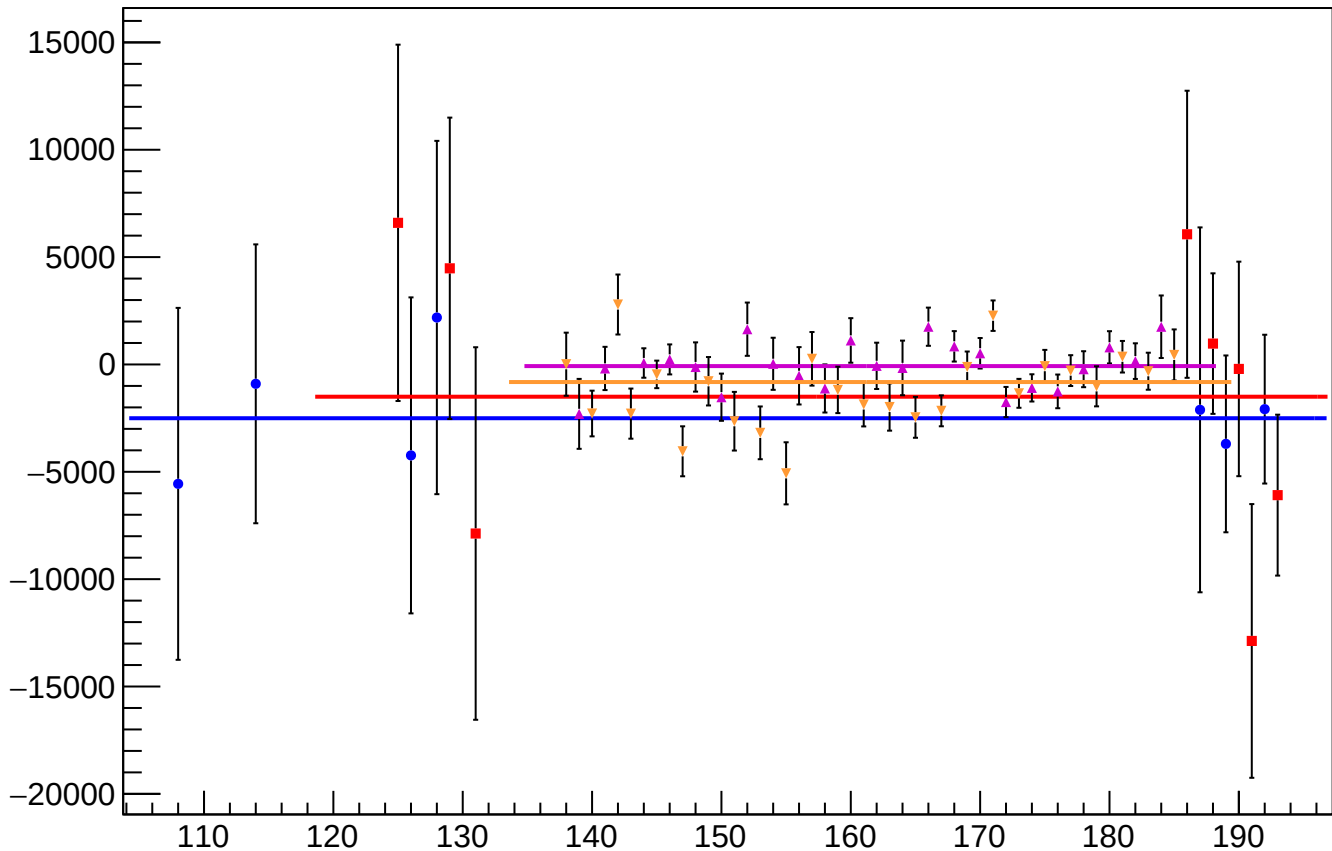
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 93.404 $\pm$ 0.013 χ^2 /NDF: 3762459.4/44

All: 94.480 $\pm$ 0.010 χ^2 /NDF: 8558769.9/91

- sign 95.612 $\pm$ 0.014 χ^2 /NDF: 4783124.2/46

asym_sam3_correction_mean vs Slug



Right In: -2504.361 ± 2094.608 χ^2/NDF : 0.7/6

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -1502.298 ± 1826.612 χ^2/NDF : 8.8/7

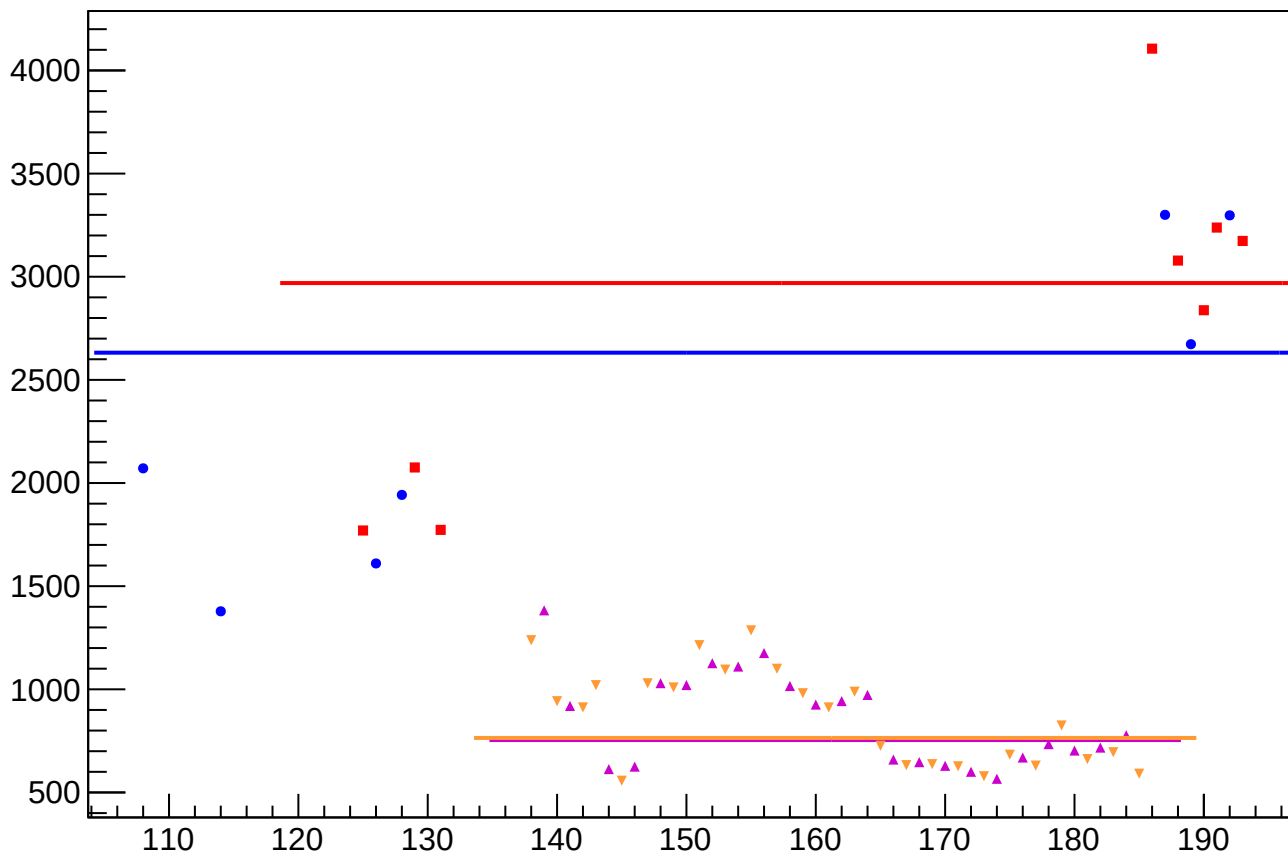
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -831.848 ± 183.753 χ^2/NDF : 69.5/31

All: -465.267 ± 130.610 χ^2/NDF : 115.3/62

- sign -90.941 ± 185.684 χ^2/NDF : 37.7/30

asym_sam3_correction_rms vs Slug



Right In: 2631.849+/-1.481 χ^2 /NDF: 222849.2/6

Left Out: 764.280+/-0.130 χ^2 /NDF: 2315985.8/24

Right Out: 2969.450+/-1.292 χ^2 /NDF: 183149.2/7

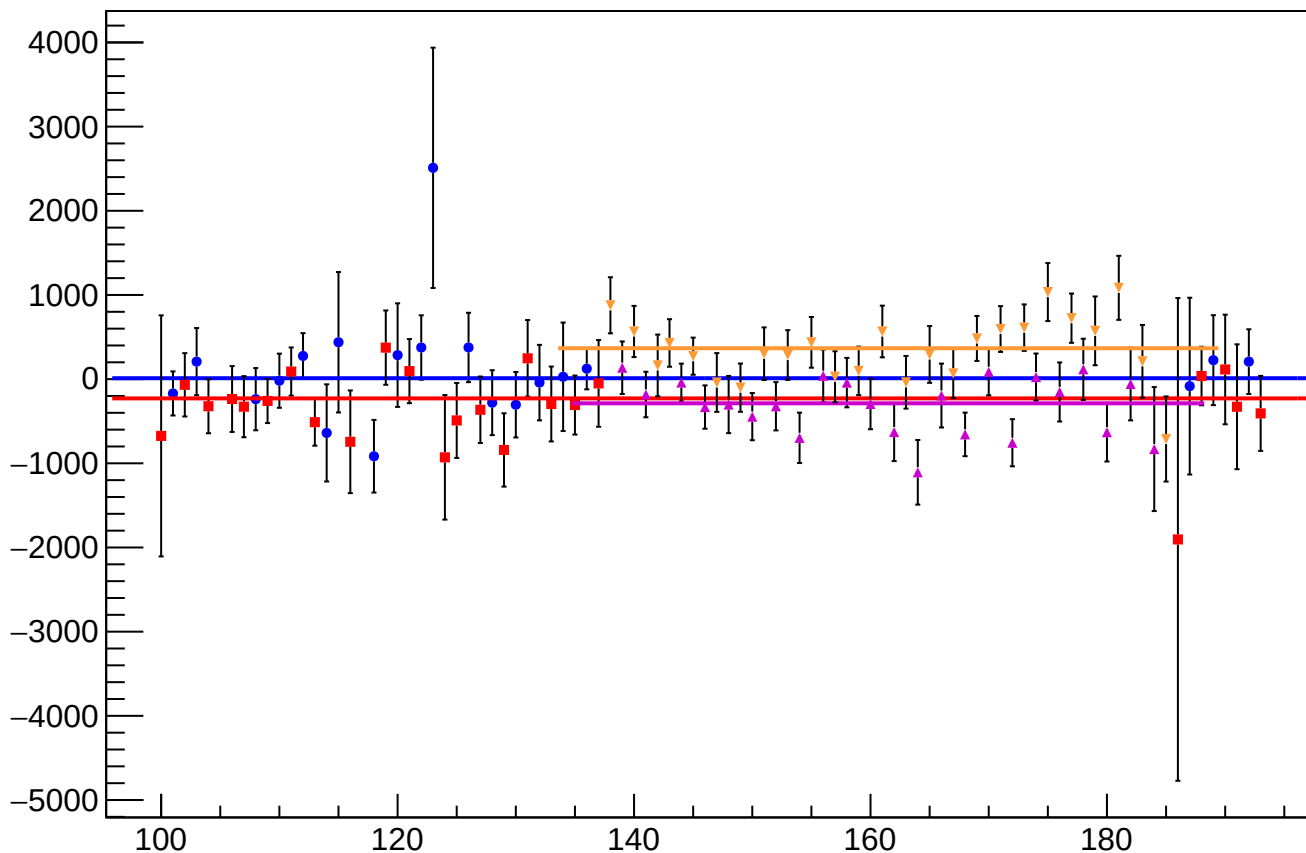
Left In: 754.027+/-0.132 χ^2 /NDF: 2013386.7/22

+ sign 778.652+/-0.130 χ^2 /NDF: 4116529.4/31

All: 777.795+/-0.092 χ^2 /NDF: 9224806.4/62

- sign 776.920+/-0.131 χ^2 /NDF: 5108189.1/30

reg_asym_sam4_mean vs Slug



Right In: 10.968 ± 89.209 χ^2/NDF : 15.1/19

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -228.566 ± 83.465 χ^2/NDF : 12.0/23

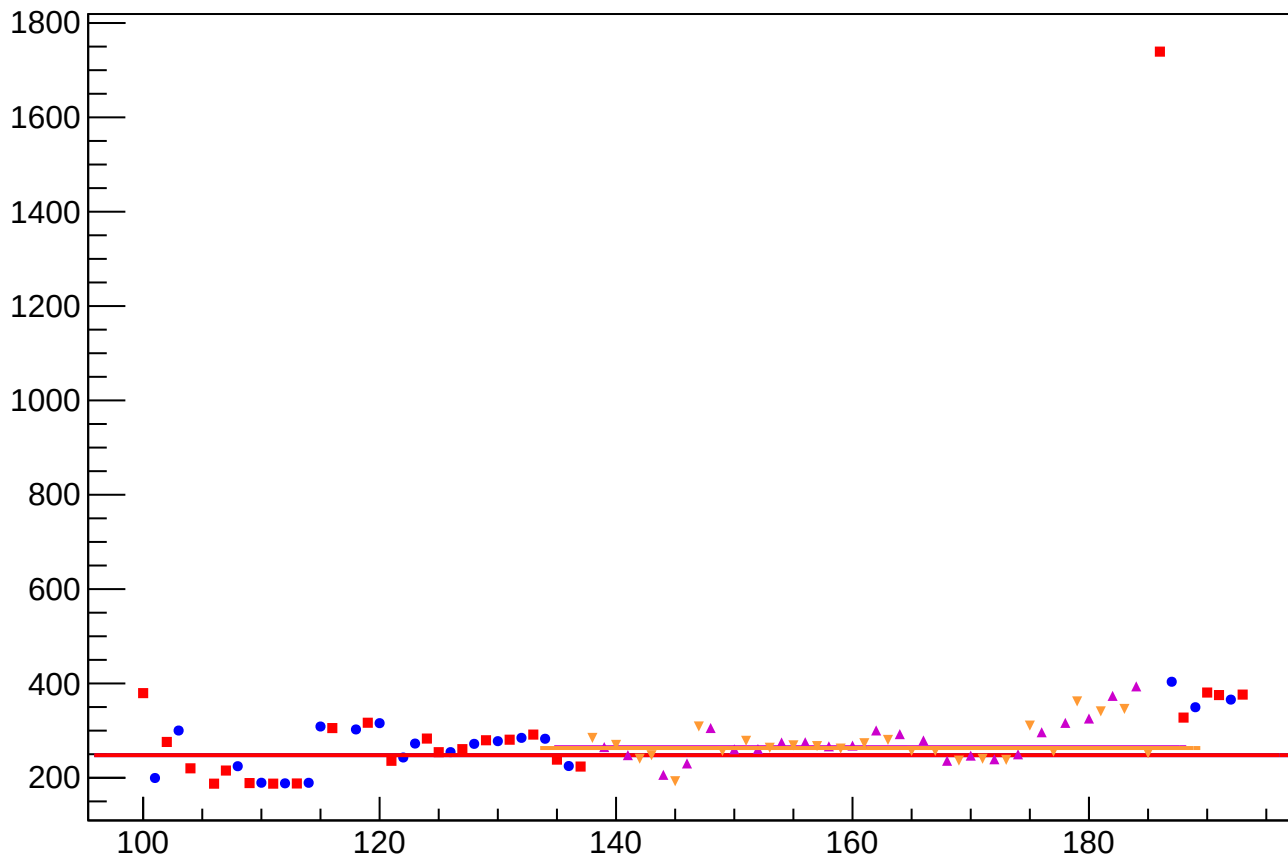
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 251.201 ± 50.880 χ^2/NDF : 54.1/44

All: -7.242 ± 35.970 χ^2/NDF : 141.9/91

- sign -265.459 ± 50.858 χ^2/NDF : 36.2/46

reg_asym_sam4_rms vs Slug



Right In: 248.046 $\pm$ 0.063 χ^2 /NDF: 722860.4/19

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 247.983 $\pm$ 0.059 χ^2 /NDF: 1464756.1/23

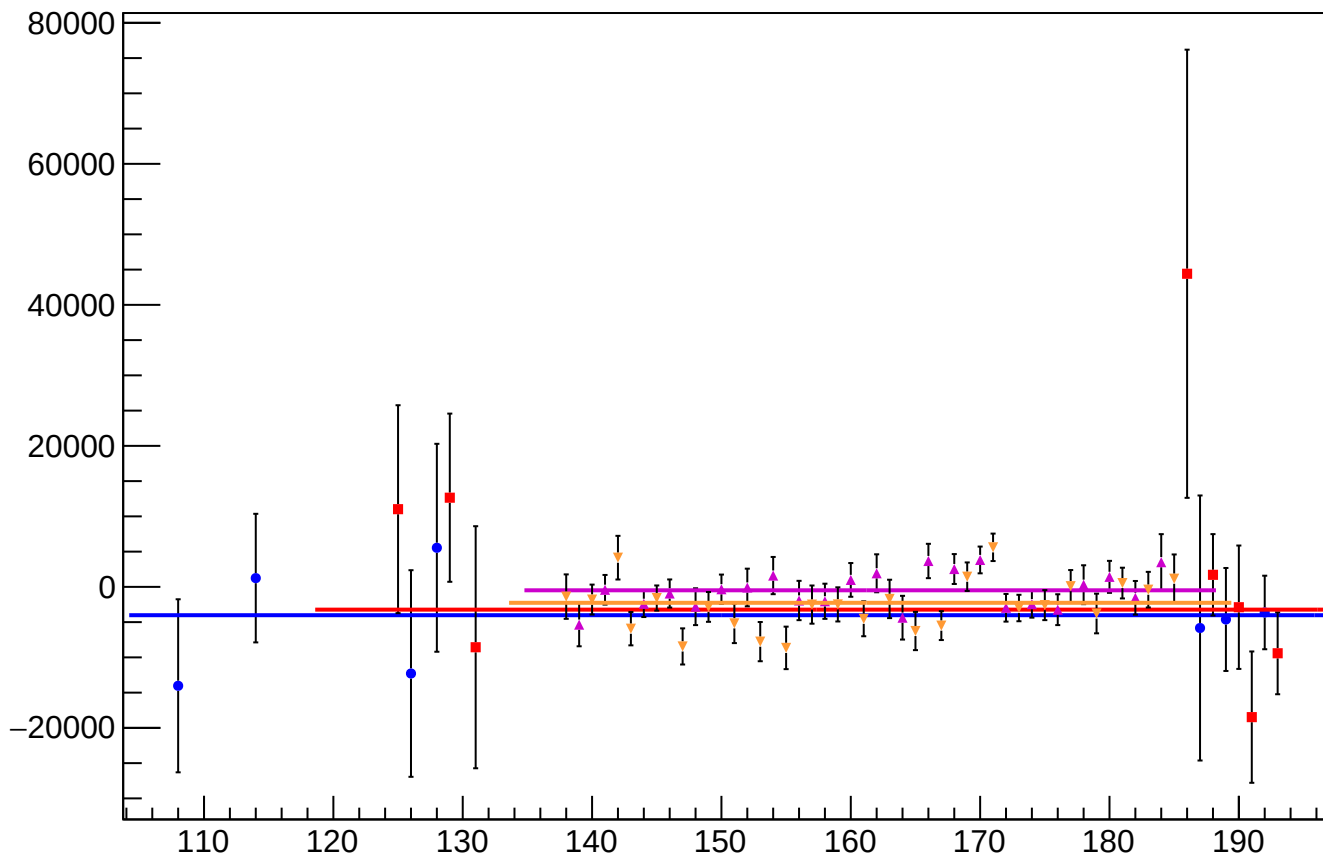
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 258.205 $\pm$ 0.036 χ^2 /NDF: 1403528.1/44

All: 258.419 $\pm$ 0.025 χ^2 /NDF: 3529175.7/91

- sign 258.633 $\pm$ 0.036 χ^2 /NDF: 2125576.5/46

asym_sam4_correction_mean vs Slug



Right In: -4017.947 ± 3404.787 χ^2/NDF : 1.8/6

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -3227.998 ± 3159.002 χ^2/NDF : 9.6/7

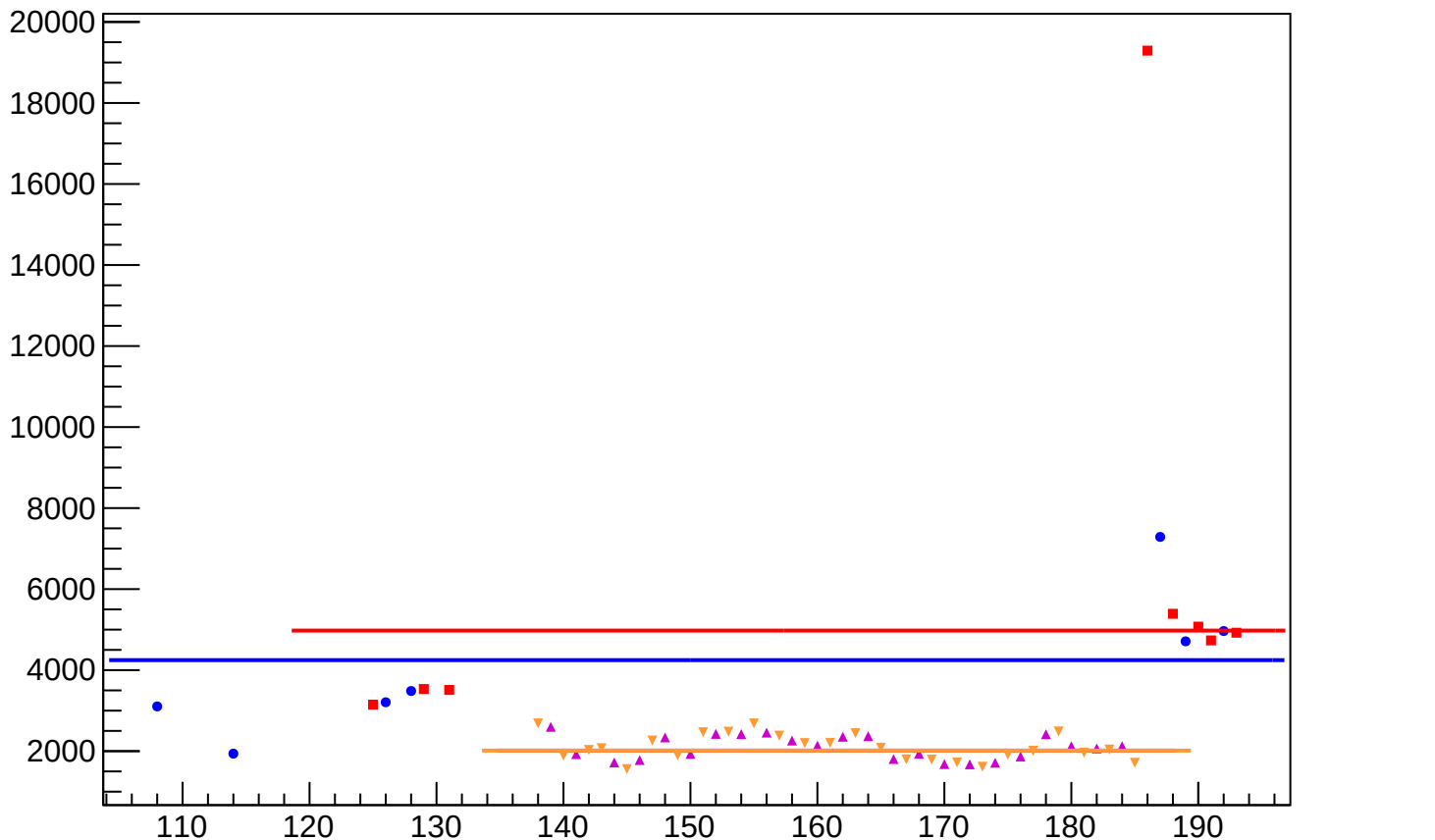
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2293.801 ± 470.770 χ^2/NDF : 54.4/31

All: -1441.717 ± 336.704 χ^2/NDF : 96.2/62

- sign -549.372 ± 481.763 χ^2/NDF : 35.1/30

asym_sam4_correction_rms vs Slug



Right In: 4247.012 $\pm$ 2.408 χ^2 /NDF: 259241.8/6

Left Out: 2014.106 $\pm$ 0.336 χ^2 /NDF: 835656.9/24

Right Out: 4976.291 $\pm$ 2.234 χ^2 /NDF: 492398.8/7

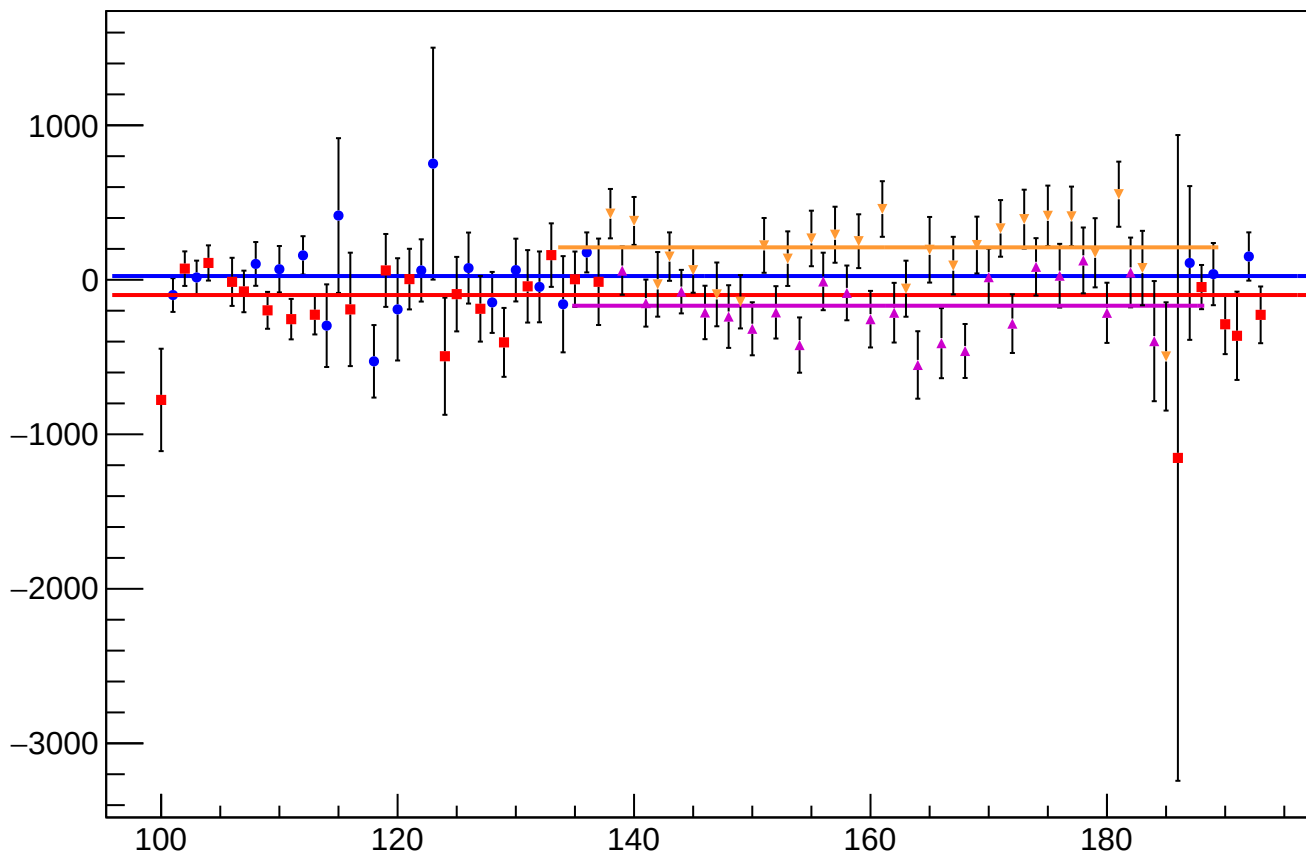
Left In: 2013.245 $\pm$ 0.345 χ^2 /NDF: 662077.8/22

+ sign 2056.794 $\pm$ 0.333 χ^2 /NDF: 1938637.5/31

All: 2069.184 $\pm$ 0.238 χ^2 /NDF: 4814598.2/62

- sign 2082.159 $\pm$ 0.341 χ^2 /NDF: 2873124.6/30

reg_asym_sam5_mean vs Slug



Right In: 24.329 ± 39.939 χ^2/NDF : 15.2/19

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -98.617 ± 35.943 χ^2/NDF : 22.0/23

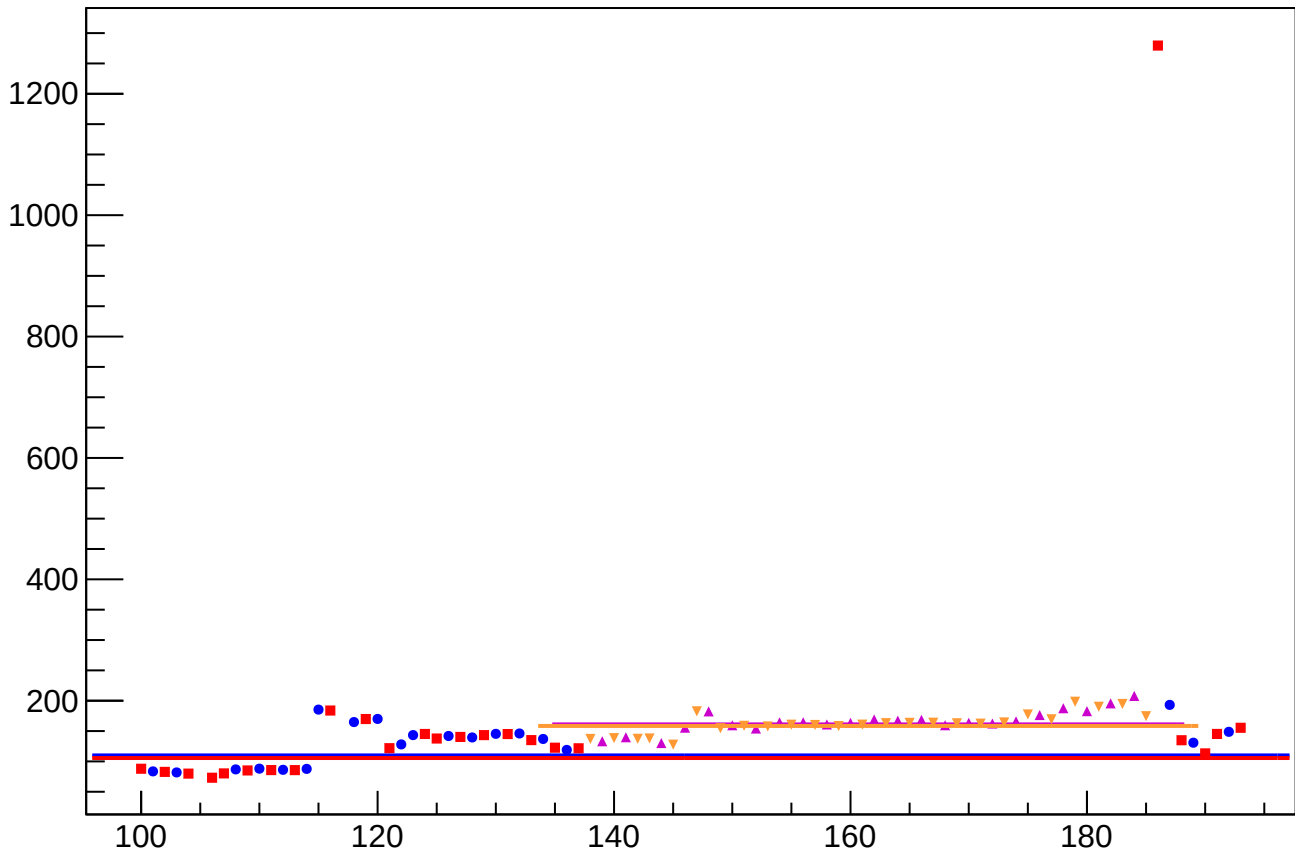
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 124.060 ± 27.179 χ^2/NDF : 54.3/44

All: -7.280 ± 18.916 χ^2/NDF : 144.4/91

- sign -130.651 ± 26.342 χ^2/NDF : 44.8/46

reg_asym_sam5_rms vs Slug



Right In: 109.862 $\pm$ 0.028 χ^2 /NDF: 1093386.3/19

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 105.592 $\pm$ 0.025 χ^2 /NDF: 1950326.4/23

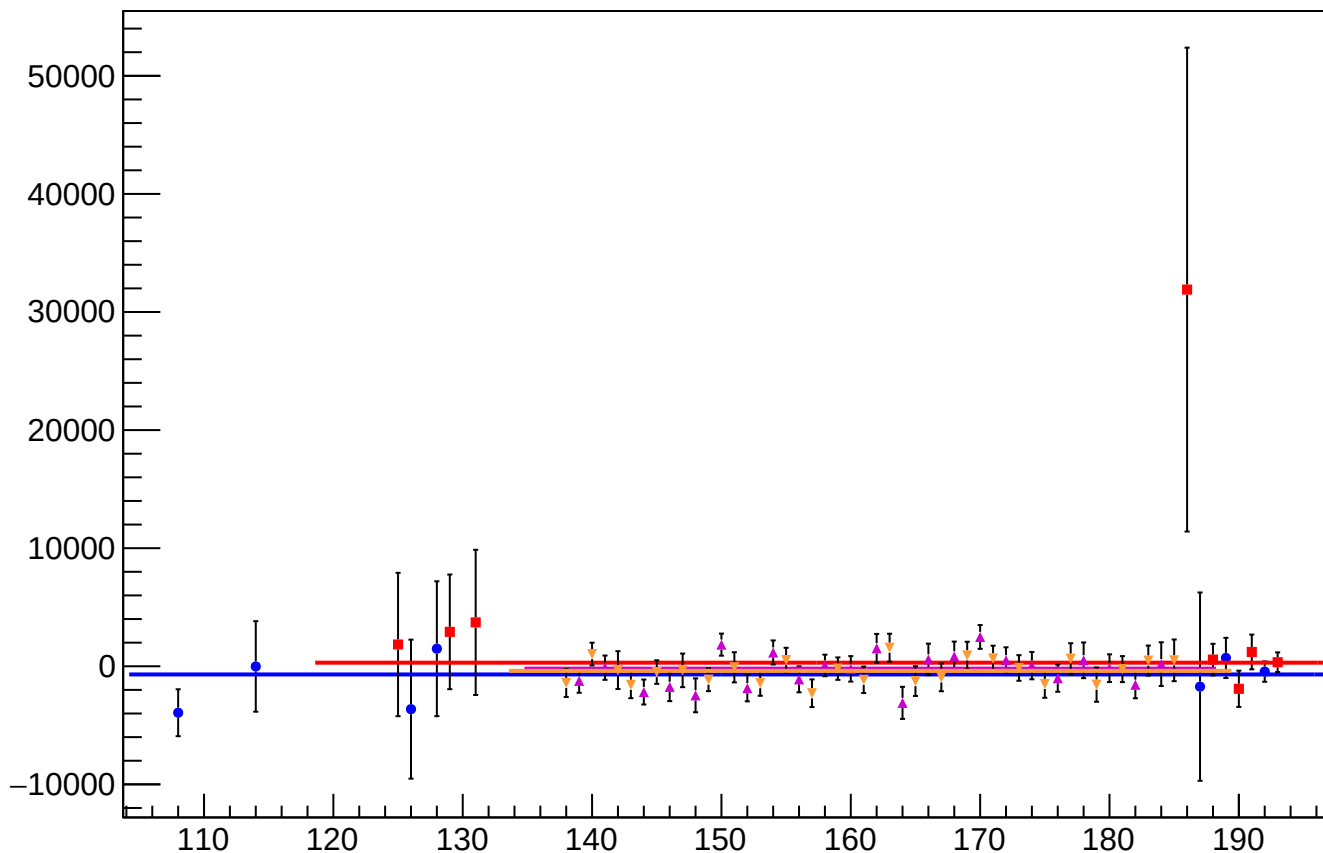
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.943 $\pm$ 0.019 χ^2 /NDF: 3116238.2/44

All: 133.505 $\pm$ 0.013 χ^2 /NDF: 7673289.1/91

- sign 131.215 $\pm$ 0.019 χ^2 /NDF: 4525842.9/46

asym_sam5_correction_mean vs Slug



Right In: -692.630+/-691.607 χ^2/NDF : 3.9/6

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: 304.550+/-577.958 χ^2/NDF : 5.5/7

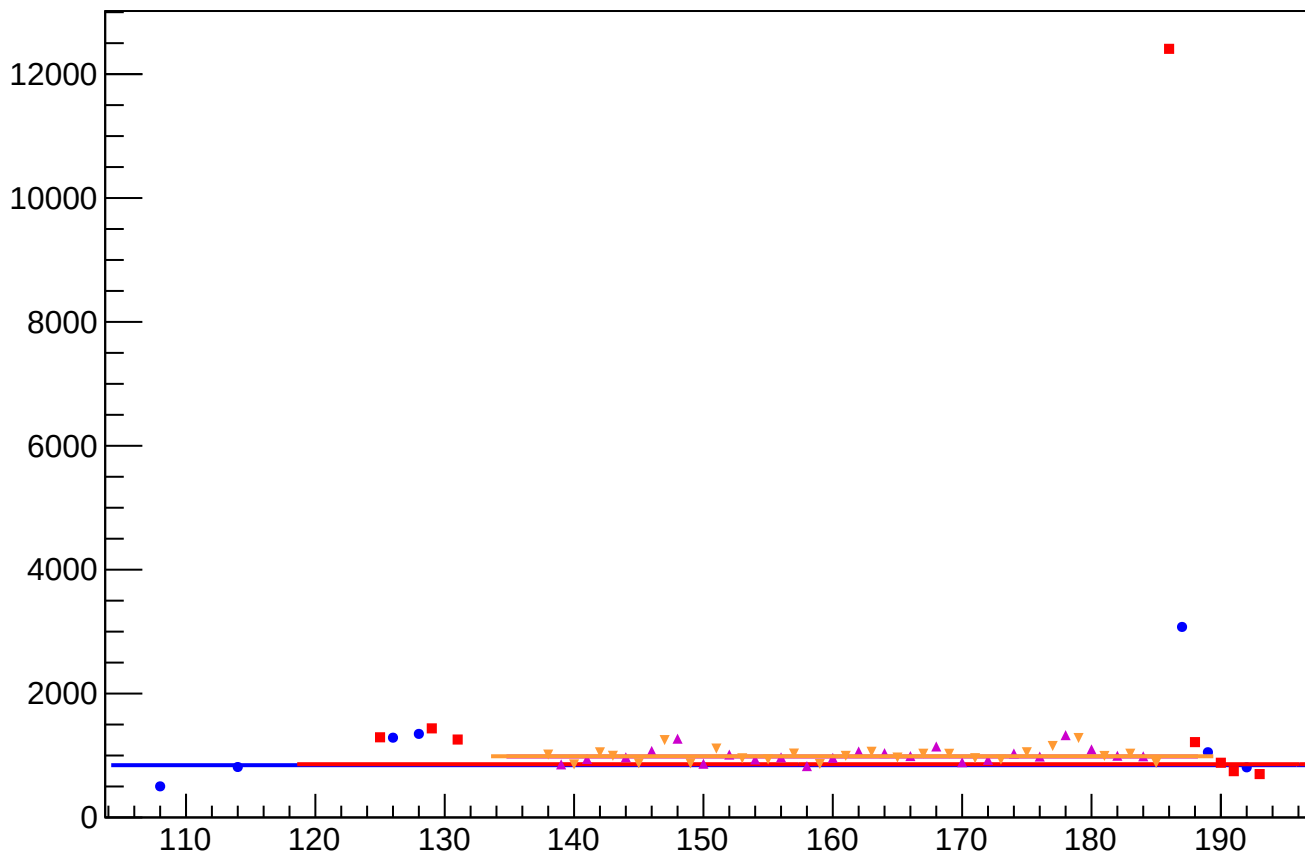
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -416.092+/-219.812 χ^2/NDF : 22.1/31

All: -272.456+/-155.371 χ^2/NDF : 64.6/62

- sign -129.041+/-219.644 χ^2/NDF : 41.7/30

asym_sam5_correction_rms vs Slug



Right In: 843.821+/-0.489 χ^2/NDF : 276509.4/6

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 859.755+/-0.409 χ^2/NDF : 910340.0/7

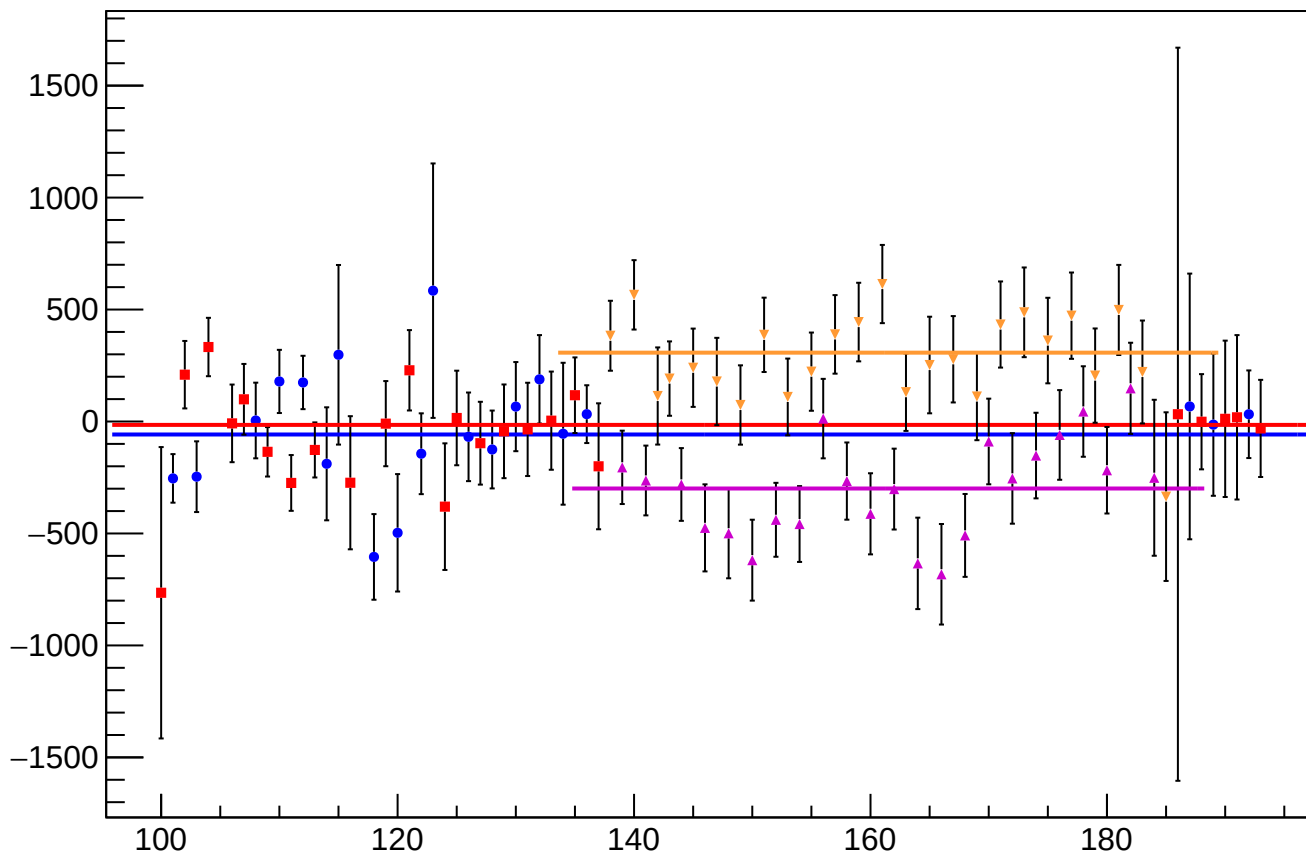
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 973.318+/-0.155 χ^2/NDF : 731464.9/31

All: 969.638+/-0.110 χ^2/NDF : 2138131.8/62

- sign 965.964+/-0.155 χ^2/NDF : 1405547.0/30

reg_asym_sam6_mean vs Slug



Right In: -57.976 ± 40.934 χ^2/NDF : 27.9/19

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: -15.127 ± 37.816 χ^2/NDF : 23.1/23

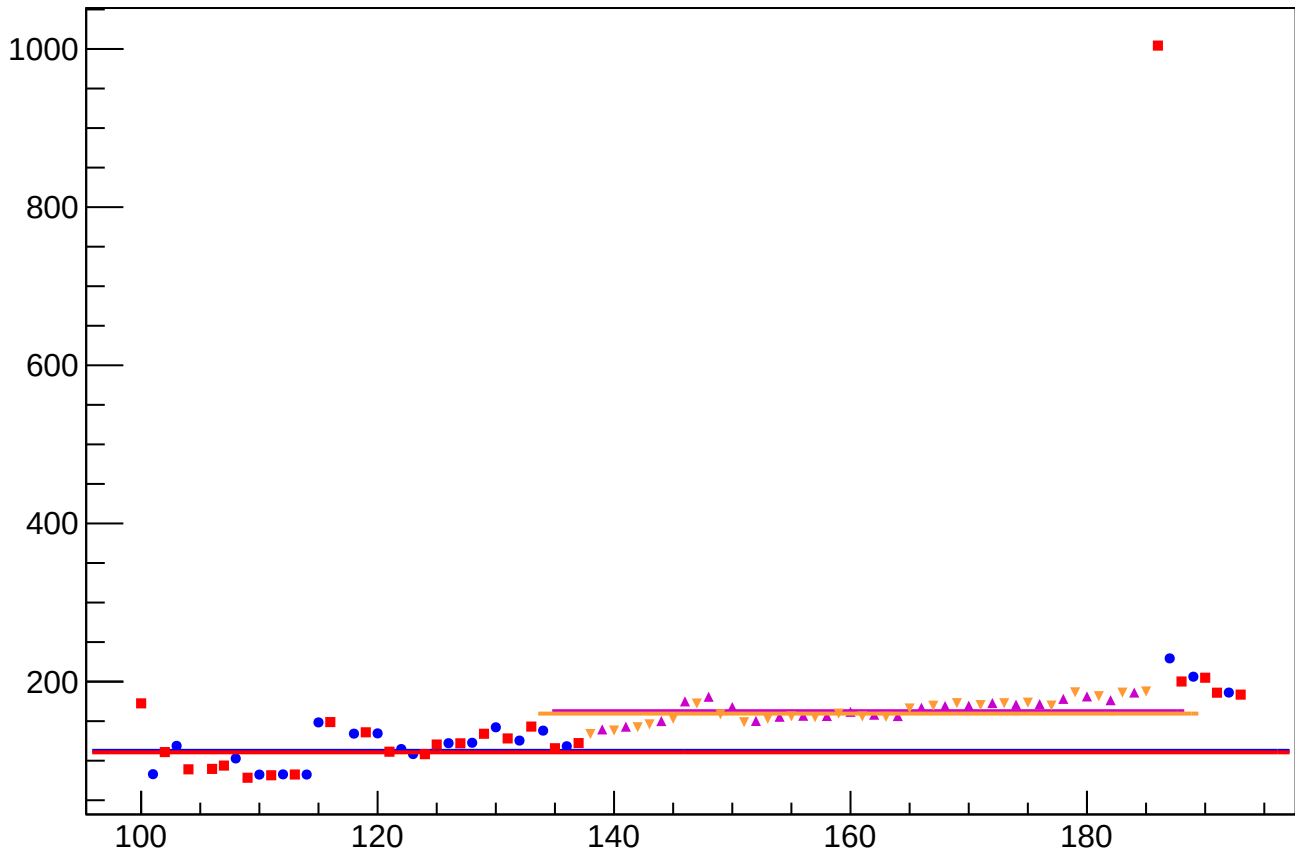
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 141.805 ± 27.562 χ^2/NDF : 92.1/44

All: -7.677 ± 19.343 χ^2/NDF : 229.1/91

- sign -152.751 ± 27.152 χ^2/NDF : 79.0/46

reg_asym_sam6_rms vs Slug



Right In: 112.445 $\pm$ 0.029 χ^2 /NDF: 1075365.0/19

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 110.577 $\pm$ 0.027 χ^2 /NDF: 2083475.0/23

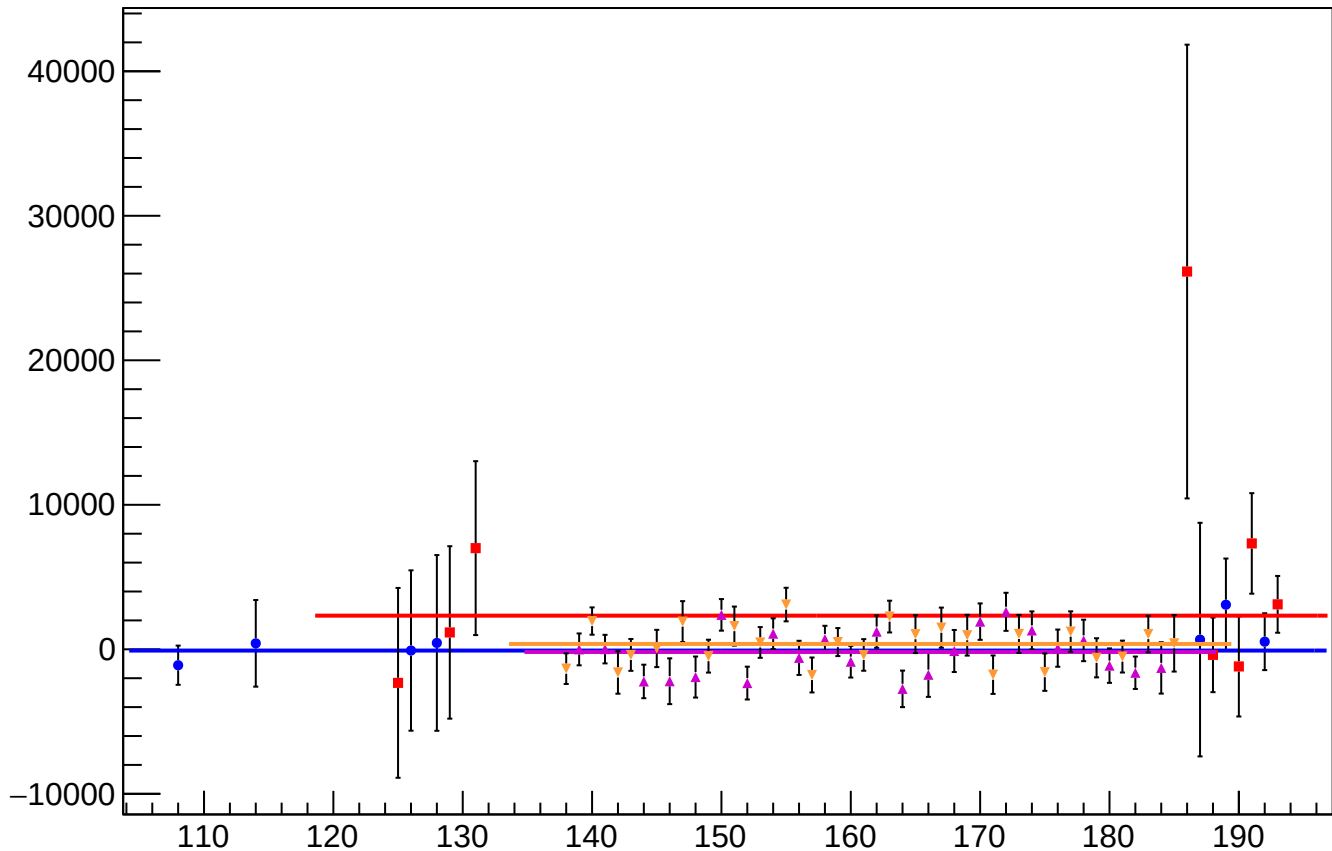
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 138.205 $\pm$ 0.019 χ^2 /NDF: 2812011.4/44

All: 136.977 $\pm$ 0.014 χ^2 /NDF: 6937016.2/91

- sign 135.784 $\pm$ 0.019 χ^2 /NDF: 4117175.7/46

asym_sam6_correction_mean vs Slug



Right In: -86.985 ± 959.754 χ^2/NDF : 1.7/6

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 2329.215 ± 1232.705 χ^2/NDF : 7.8/7

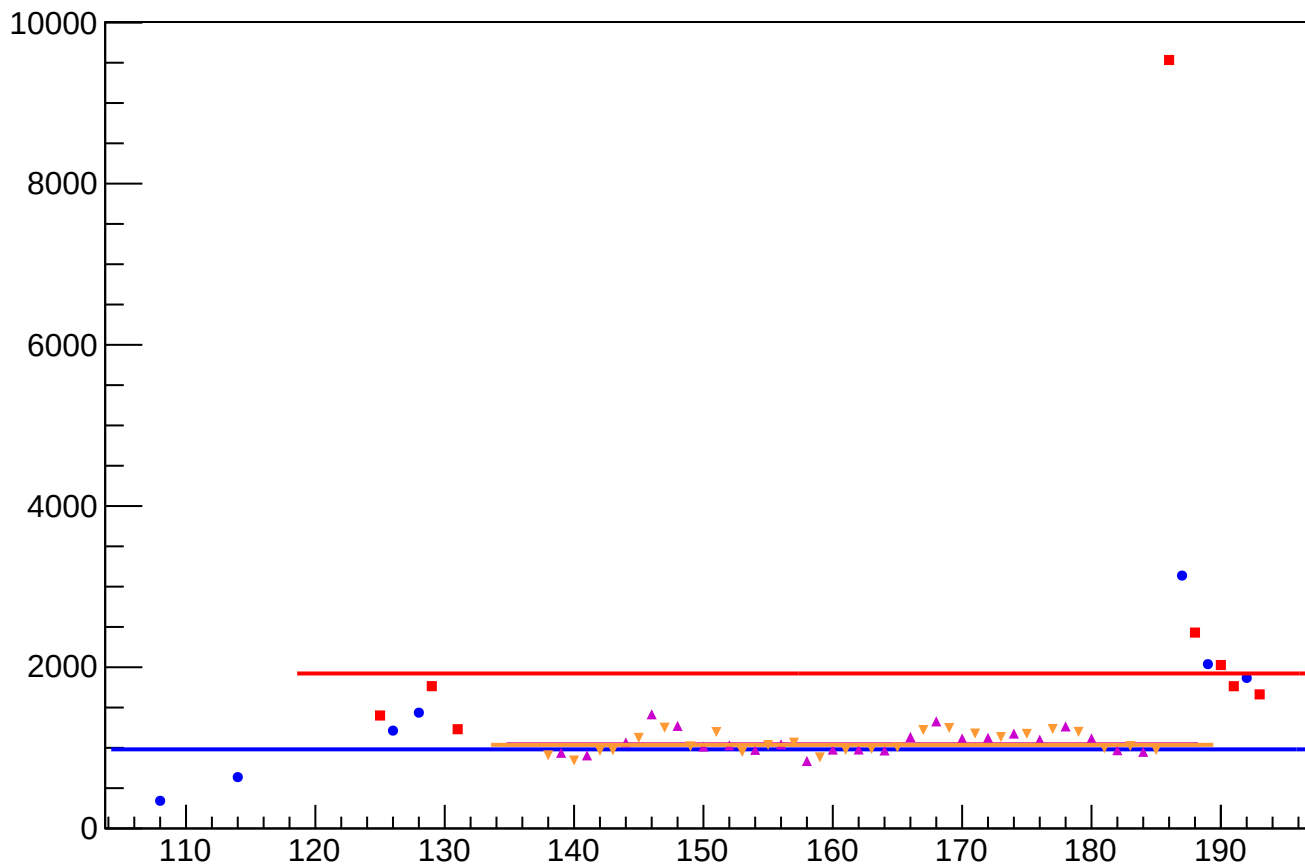
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 342.360 ± 236.041 χ^2/NDF : 32.4/31

All: 139.859 ± 170.694 χ^2/NDF : 82.2/62

- sign -82.128 ± 247.137 χ^2/NDF : 48.3/30

asym_sam6_correction_rms vs Slug



Right In: 981.333+/-0.679 χ^2/NDF : 1250521.5/6

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1922.805+/-0.872 χ^2/NDF : 628494.9/7

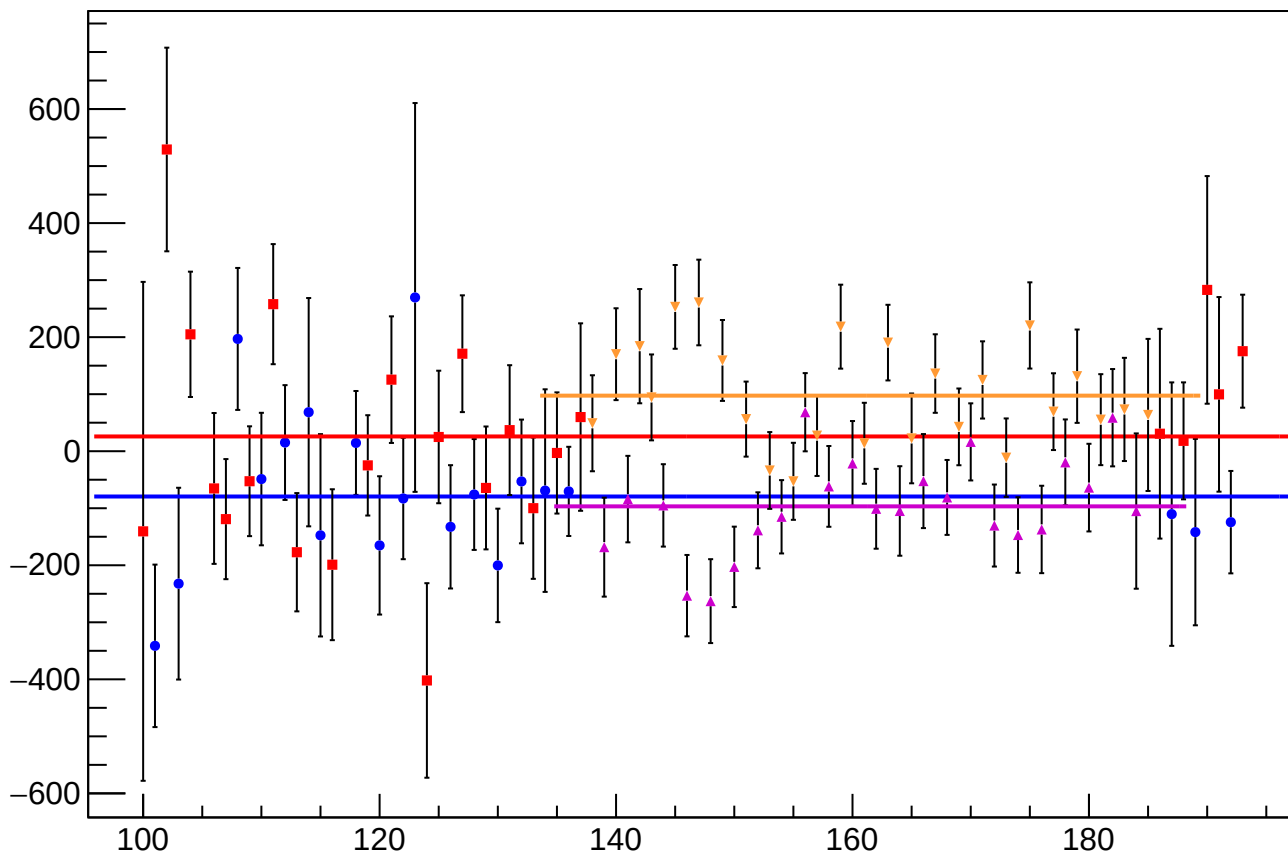
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1034.281+/-0.167 χ^2/NDF : 1751981.8/31

All: 1056.109+/-0.121 χ^2/NDF : 3933610.2/62

- sign 1080.038+/-0.175 χ^2/NDF : 2145774.1/30

reg_asym_sam7_mean vs Slug



Right In: -79.417 ± 26.565 χ^2/NDF : 15.6/19

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: 25.875 ± 24.477 χ^2/NDF : 40.8/23

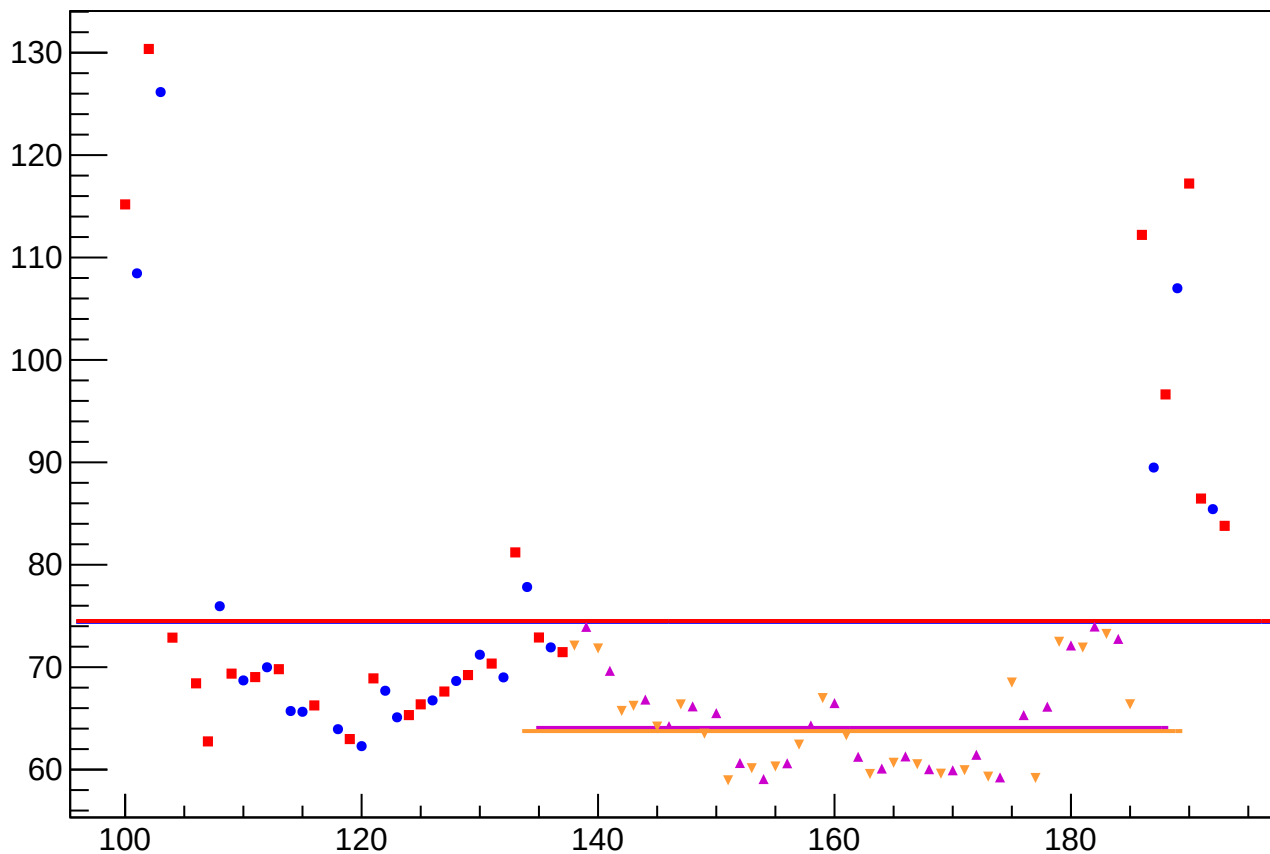
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 55.207 ± 12.982 χ^2/NDF : 85.3/44

All: -3.263 ± 9.192 χ^2/NDF : 214.0/91

- sign -62.042 ± 13.016 χ^2/NDF : 88.0/46

reg_asym_sam7_rms vs Slug



Right In: 74.425 $\pm$ 0.019 χ^2 /NDF: 522111.6/19

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF:192803.8/24

Right Out: 74.508 $\pm$ 0.017 χ^2 /NDF: 640298.9/23

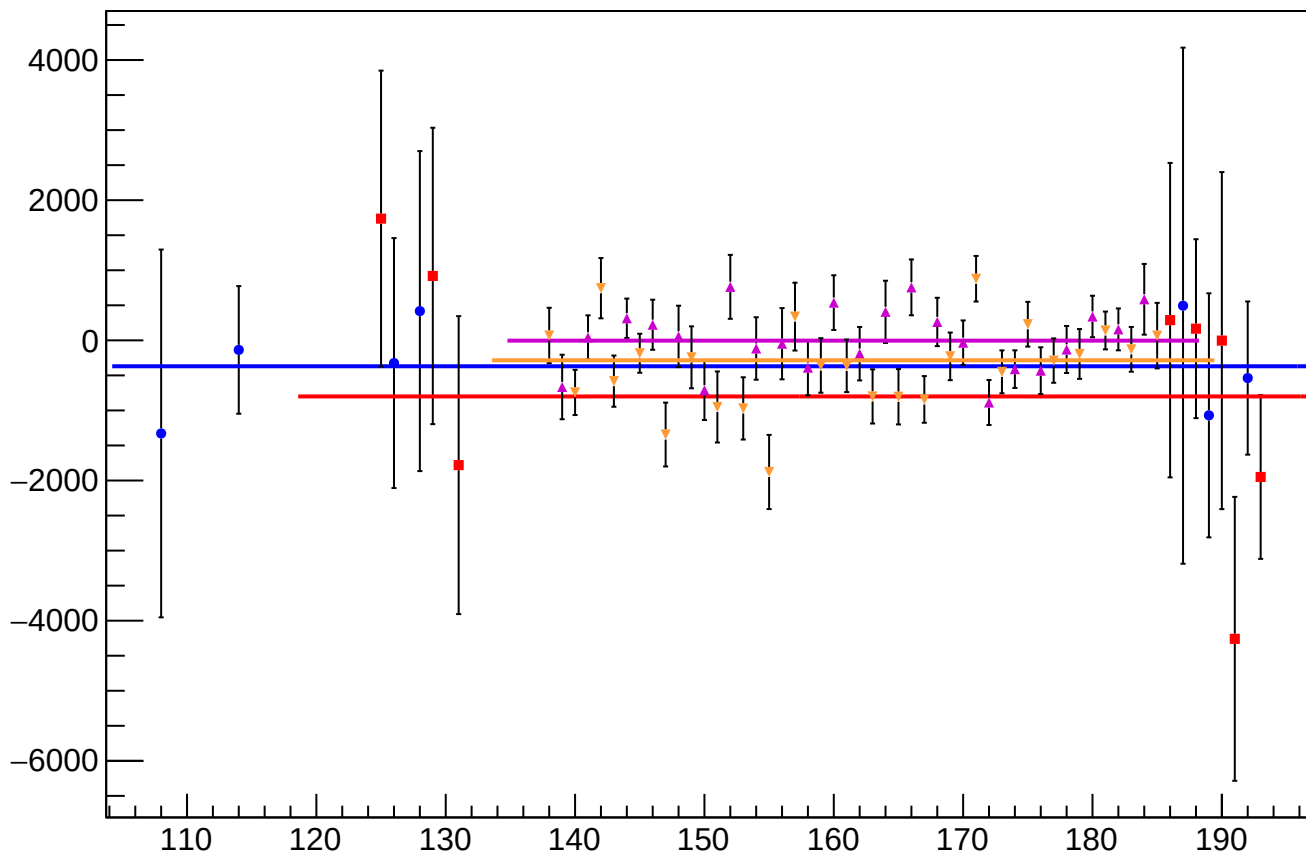
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

+ sign 66.308 $\pm$ 0.009 χ^2 /NDF: 960219.5/44

All: 66.663 $\pm$ 0.006 χ^2 /NDF: 2029111.7/91

- sign 67.021 $\pm$ 0.009 χ^2 /NDF: 1065885.5/46

asym_sam7_correction_mean vs Slug



Right In: -369.942 ± 568.106 $\chi^2/\text{NDF}: 0.6/6$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: -800.423 ± 616.582 $\chi^2/\text{NDF}: 7.1/7$

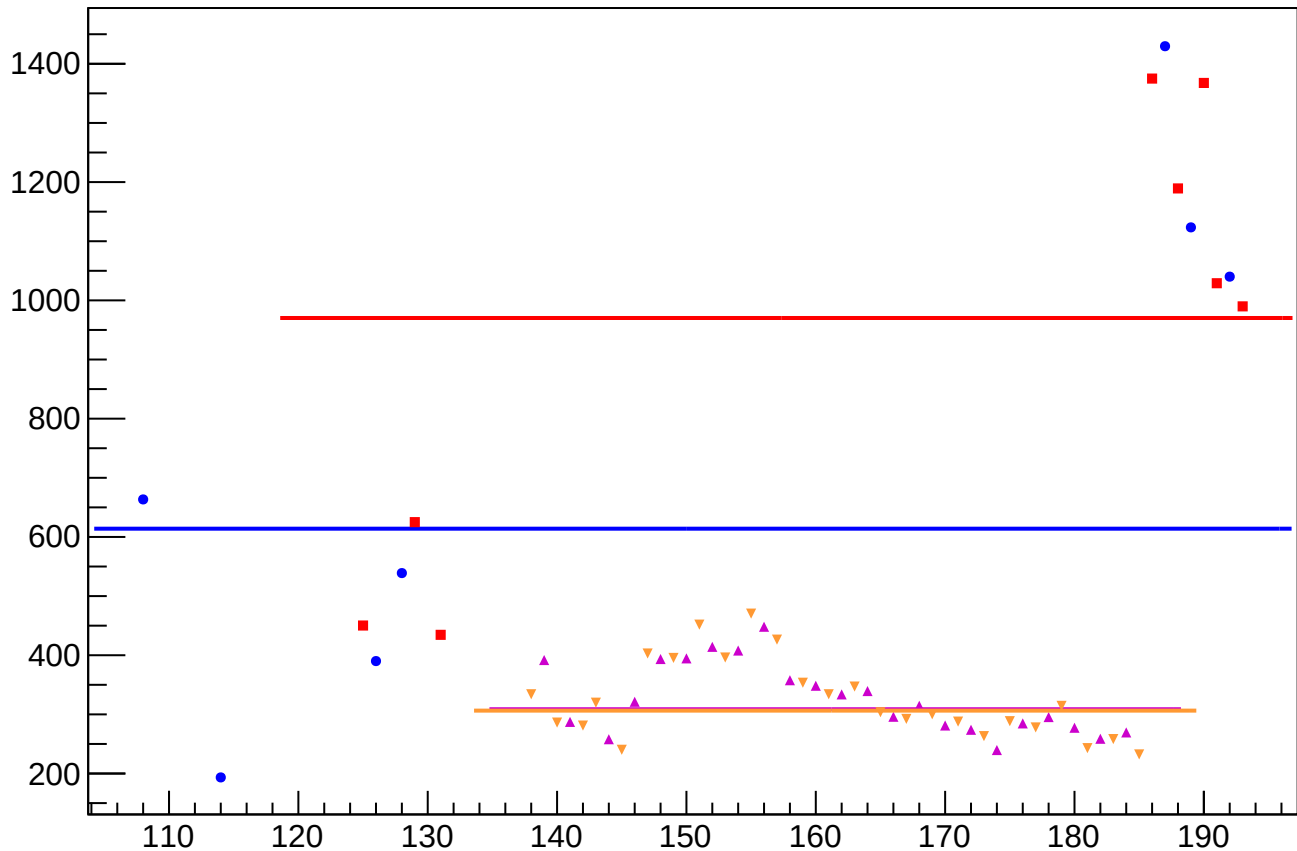
Left In: -4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

+ sign -285.685 ± 72.144 $\chi^2/\text{NDF}: 55.6/31$

All: -155.078 ± 51.838 $\chi^2/\text{NDF}: 103.5/62$

- sign -15.674 ± 74.534 $\chi^2/\text{NDF}: 41.1/30$

asym_sam7_correction_rms vs Slug



Right In: 613.972 $\pm$ 0.402 χ^2 /NDF: 1034442.9/6

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF: 1215669.9/24

Right Out: 970.211 $\pm$ 0.436 χ^2 /NDF: 482458.5/7

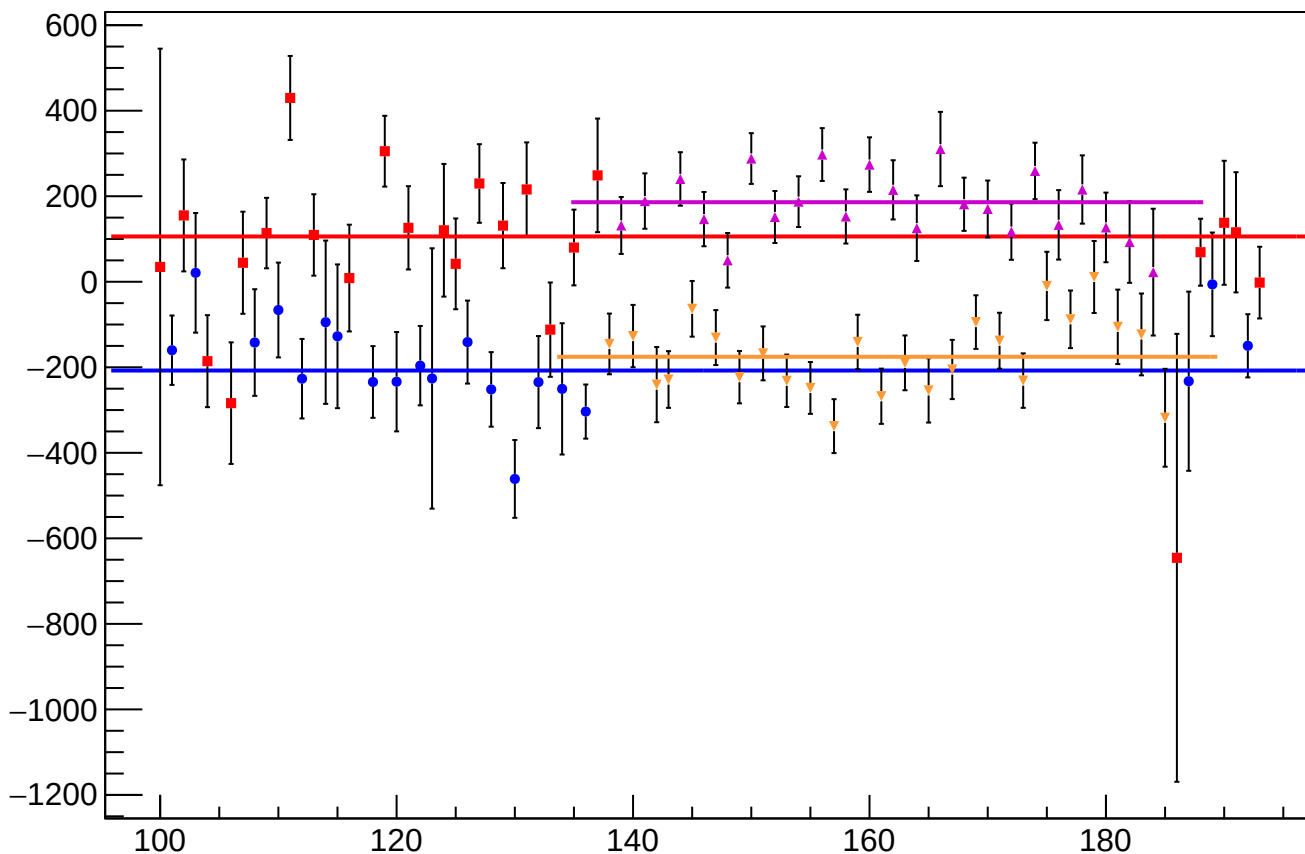
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF: 1002947.4/22

+ sign 311.323 $\pm$ 0.051 χ^2 /NDF: 2827024.4/31

All: 314.743 $\pm$ 0.037 χ^2 /NDF: 6589991.9/62

- sign 318.393 $\pm$ 0.053 χ^2 /NDF: 3753679.1/30

reg_asym_sam8_mean vs Slug



Right In: -207.572 ± 23.053 χ^2/NDF : 20.0/19

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 105.888 ± 22.081 χ^2/NDF : 45.0/23

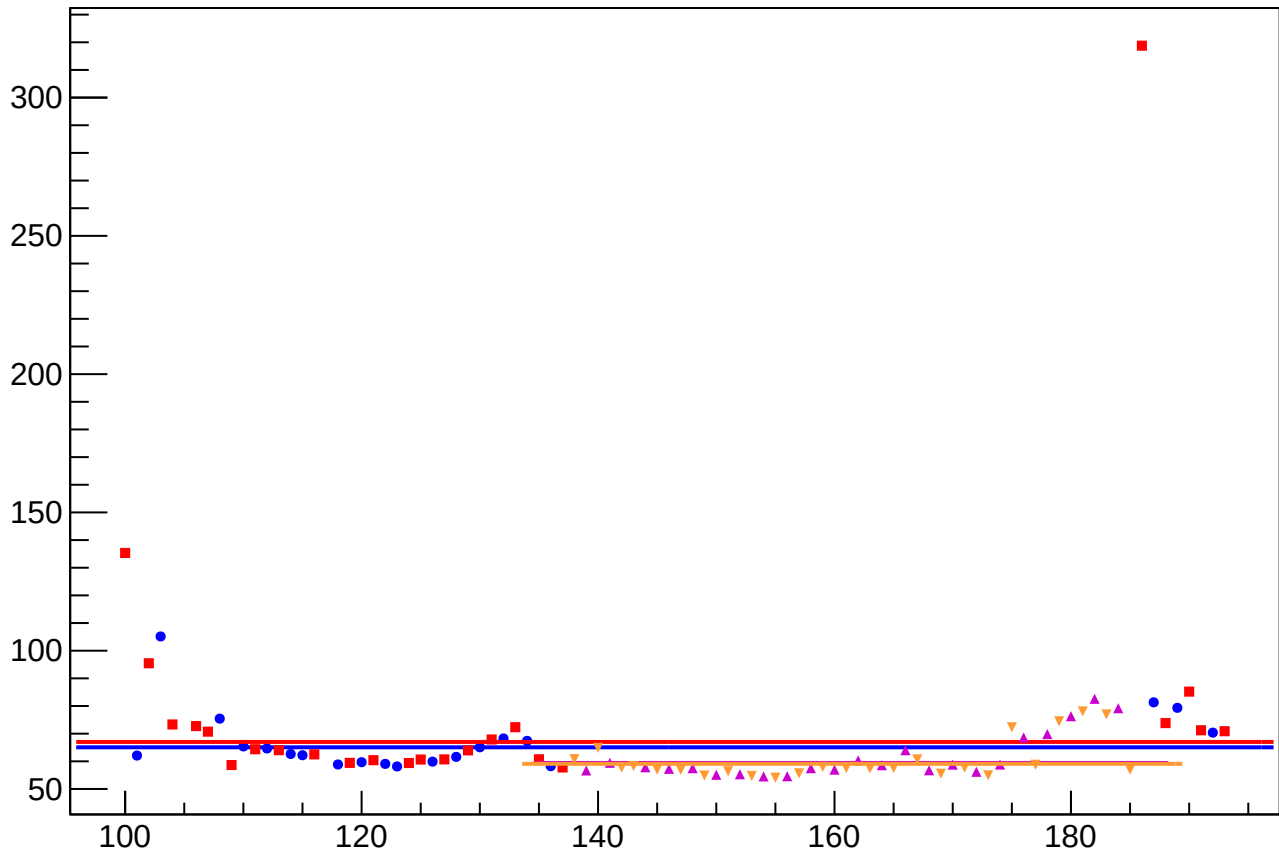
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -183.980 ± 11.869 χ^2/NDF : 56.1/44

All: -12.893 ± 8.443 χ^2/NDF : 554.5/91

- sign 162.326 ± 12.012 χ^2/NDF : 77.8/46

reg_asym_sam8_rms vs Slug



Right In: 65.068 ± 0.016 χ^2/NDF : 290688.3/19

Left Out: 59.099 ± 0.010 χ^2/NDF : 369788.6/24

Right Out: 67.013 ± 0.016 χ^2/NDF : 757481.7/23

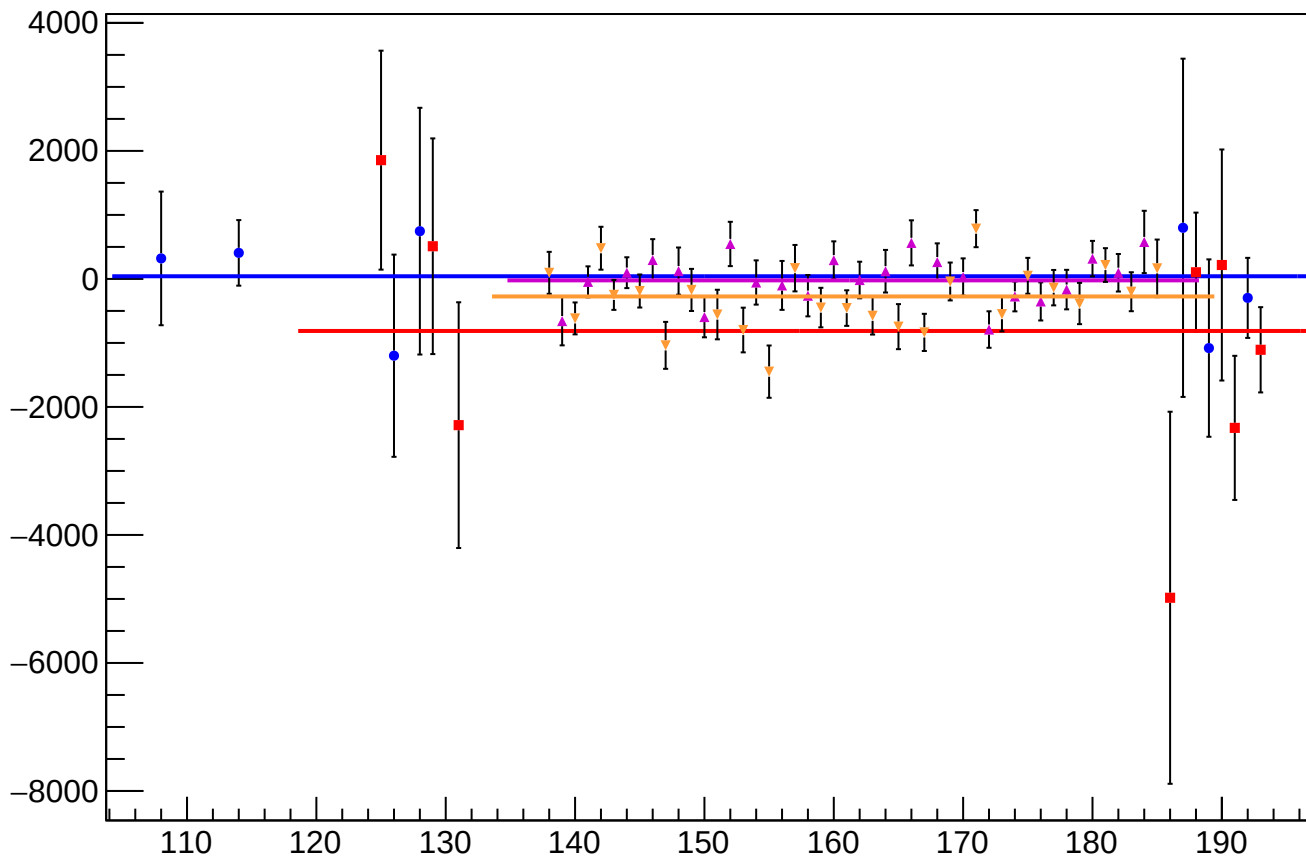
Left In: 59.410 ± 0.010 χ^2/NDF : 373052.7/22

+ sign 60.682 ± 0.008 χ^2/NDF : 759007.2/44

All: 61.165 ± 0.006 χ^2/NDF : 2063202.8/91

- sign 61.660 ± 0.008 χ^2/NDF : 1297479.0/46

asym_sam8_correction_mean vs Slug



Right In: 41.581 ± 340.629 χ^2/NDF : 2.4/6

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -813.090 ± 423.140 χ^2/NDF : 9.0/7

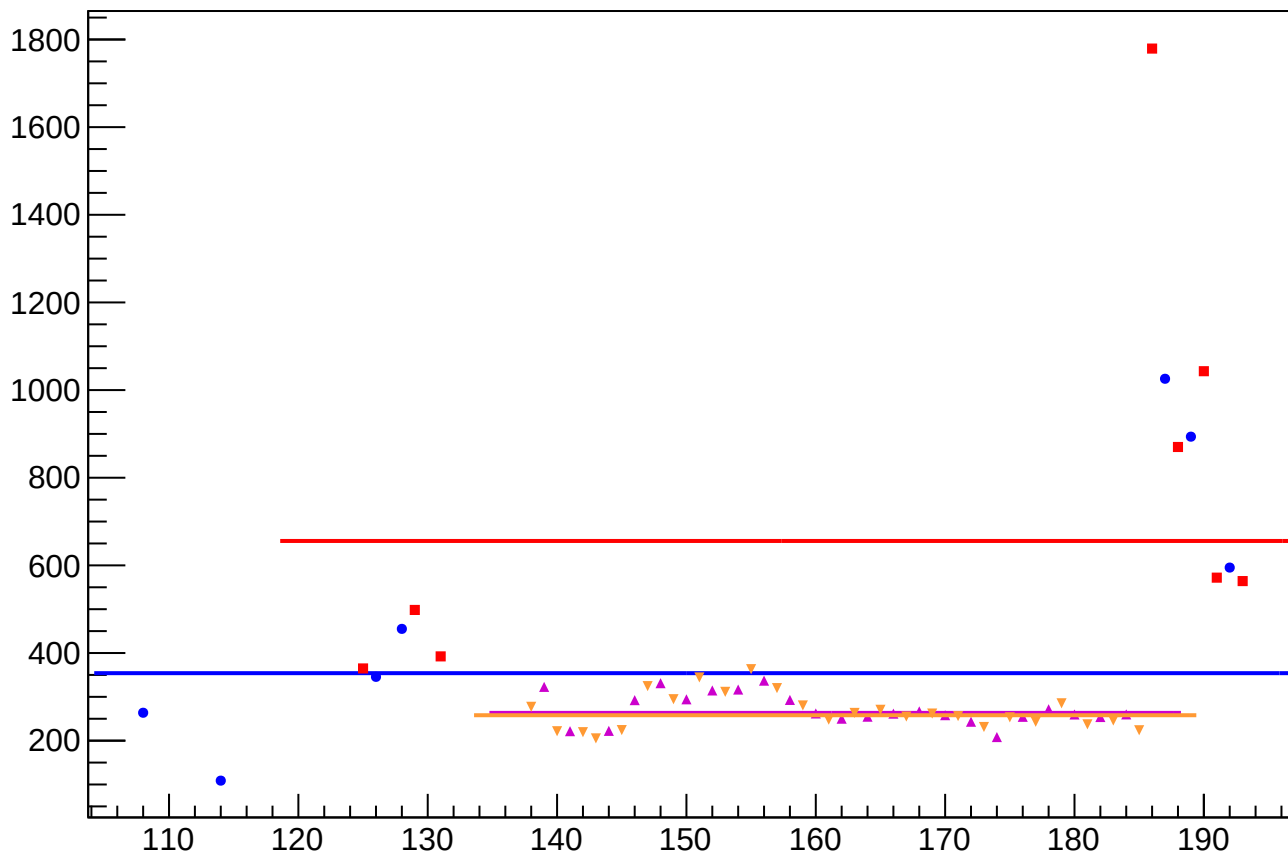
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -264.344 ± 59.853 χ^2/NDF : 57.1/31

All: -157.855 ± 43.371 χ^2/NDF : 105.1/62

- sign -40.117 ± 62.935 χ^2/NDF : 41.3/30

asym_sam8_correction_rms vs Slug



Right In: 354.026 $\pm$ 0.241 χ^2 /NDF: 1208291.4/6

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 655.703 $\pm$ 0.299 χ^2 /NDF: 658688.6/7

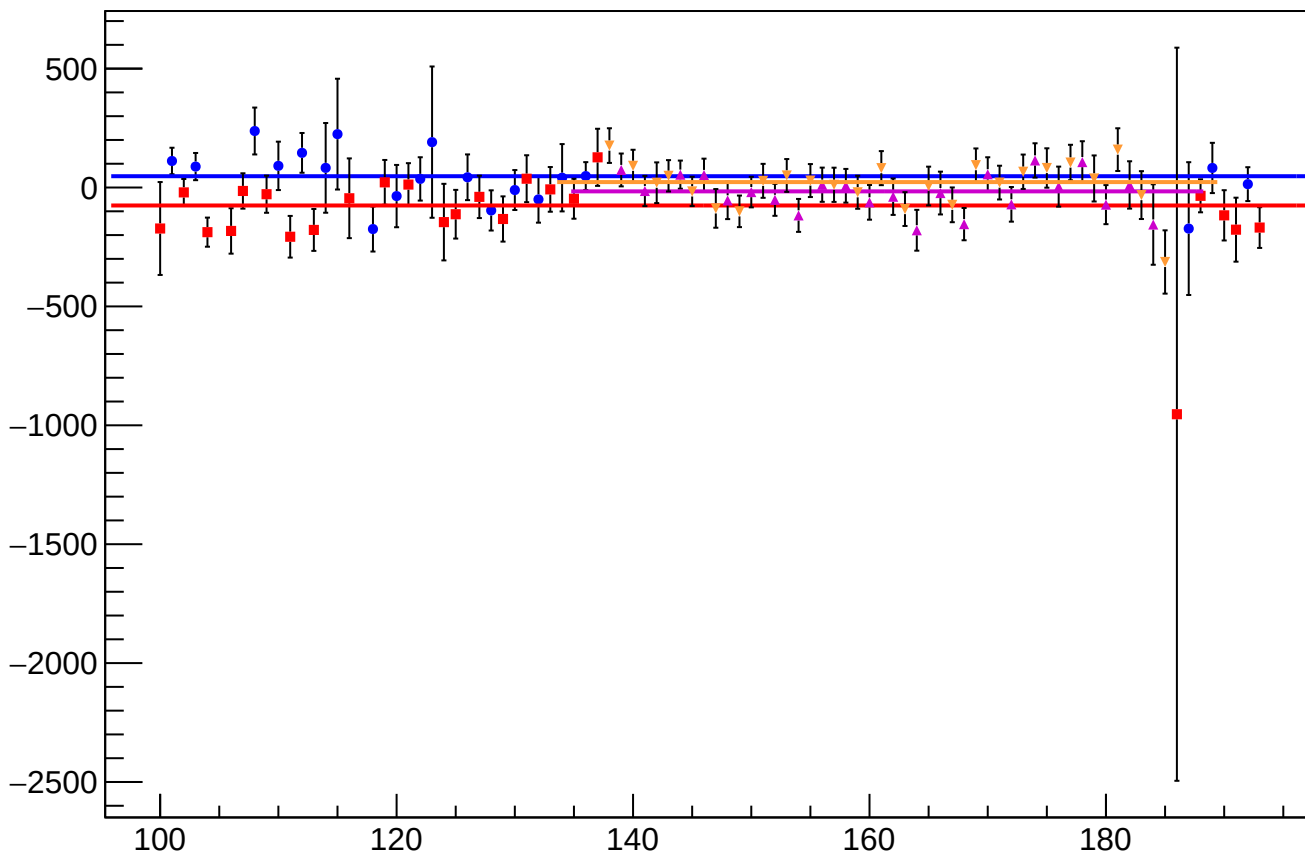
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 261.004 $\pm$ 0.042 χ^2 /NDF: 2087023.8/31

All: 266.262 $\pm$ 0.031 χ^2 /NDF: 5044931.8/62

- sign 272.075 $\pm$ 0.045 χ^2 /NDF: 2925408.4/30

reg_asym_sam_15_avg_mean vs Slug



Right In: 47.547 ± 20.189 χ^2/NDF : 19.2/19

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -75.548 ± 18.631 χ^2/NDF : 20.7/23

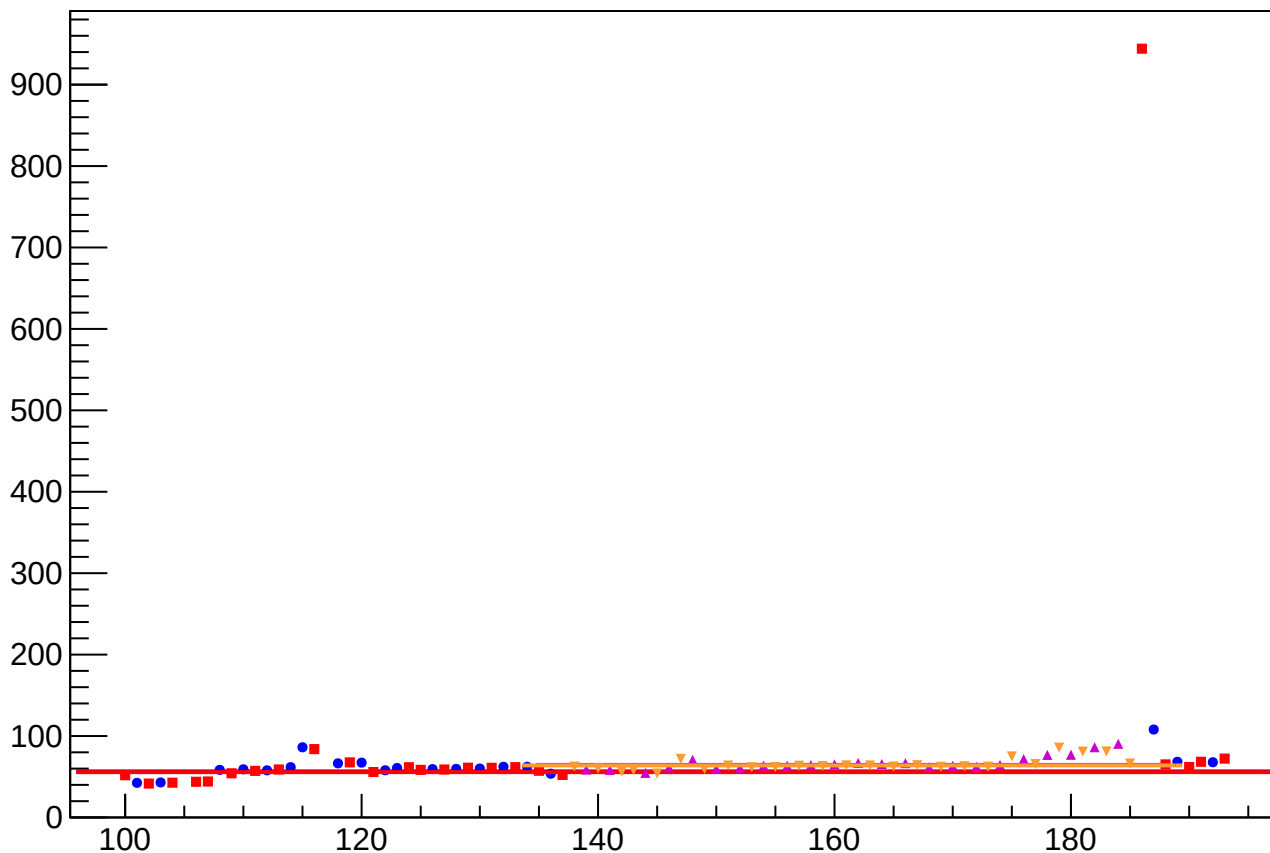
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 31.623 ± 12.024 χ^2/NDF : 49.1/44

All: -4.738 ± 8.469 χ^2/NDF : 117.3/91

- sign -40.531 ± 11.929 χ^2/NDF : 50.0/46

reg_asym_sam_15_avg_rms vs Slug



Right In: 56.478 $\pm$ 0.014 χ^2 /NDF: 477466.3/19

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 55.675 $\pm$ 0.013 χ^2 /NDF: 1218614.7/23

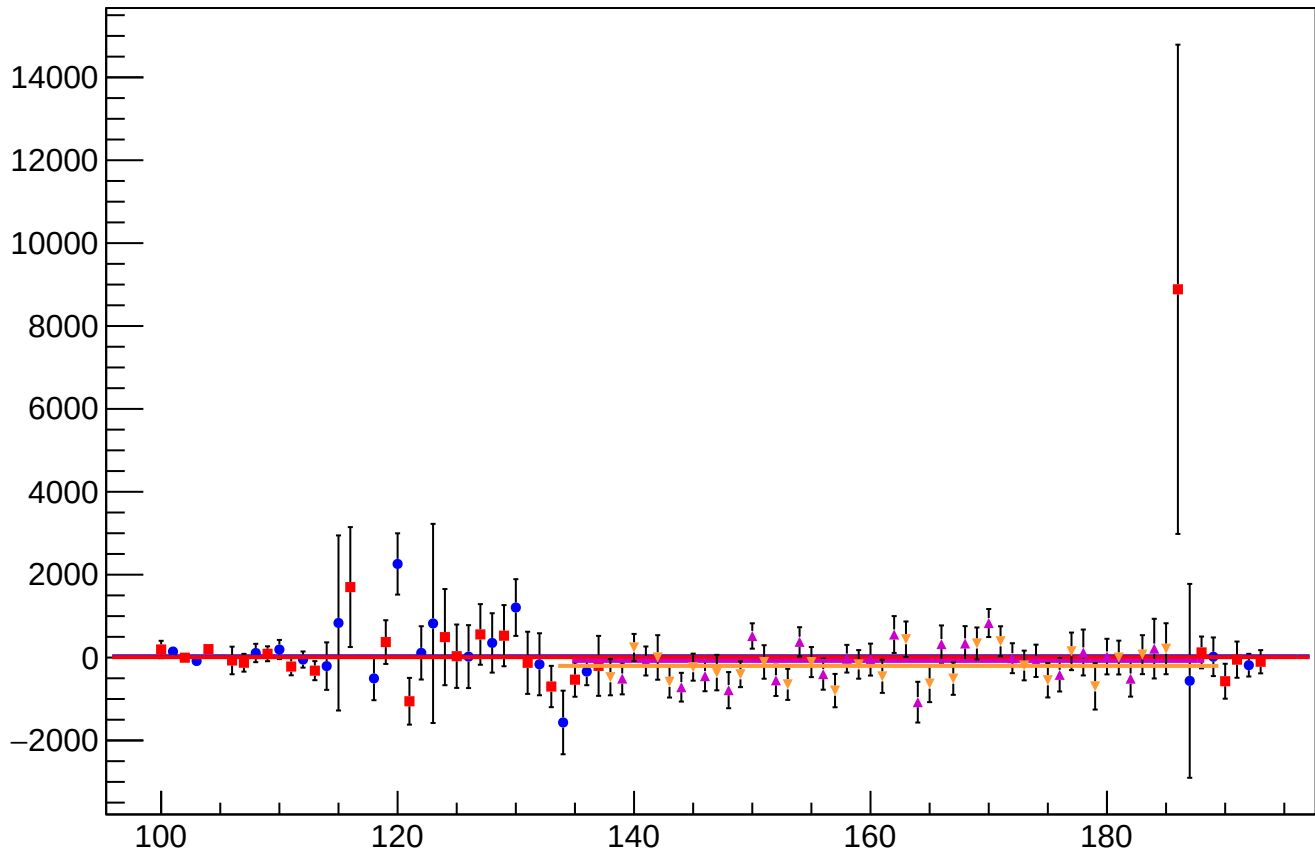
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.280 $\pm$ 0.009 χ^2 /NDF: 1048241.7/44

All: 61.083 $\pm$ 0.006 χ^2 /NDF: 2903833.9/91

- sign 60.888 $\pm$ 0.008 χ^2 /NDF: 1854521.0/46

asym_sam_15_avg_correction_mean vs Slug



Right In: 30.963+/-50.361 χ^2/NDF : 24.5/19

Left Out: -201.082+/-79.549 χ^2/NDF : 19.7/24

Right Out: 10.112+/-51.124 χ^2/NDF : 23.3/23

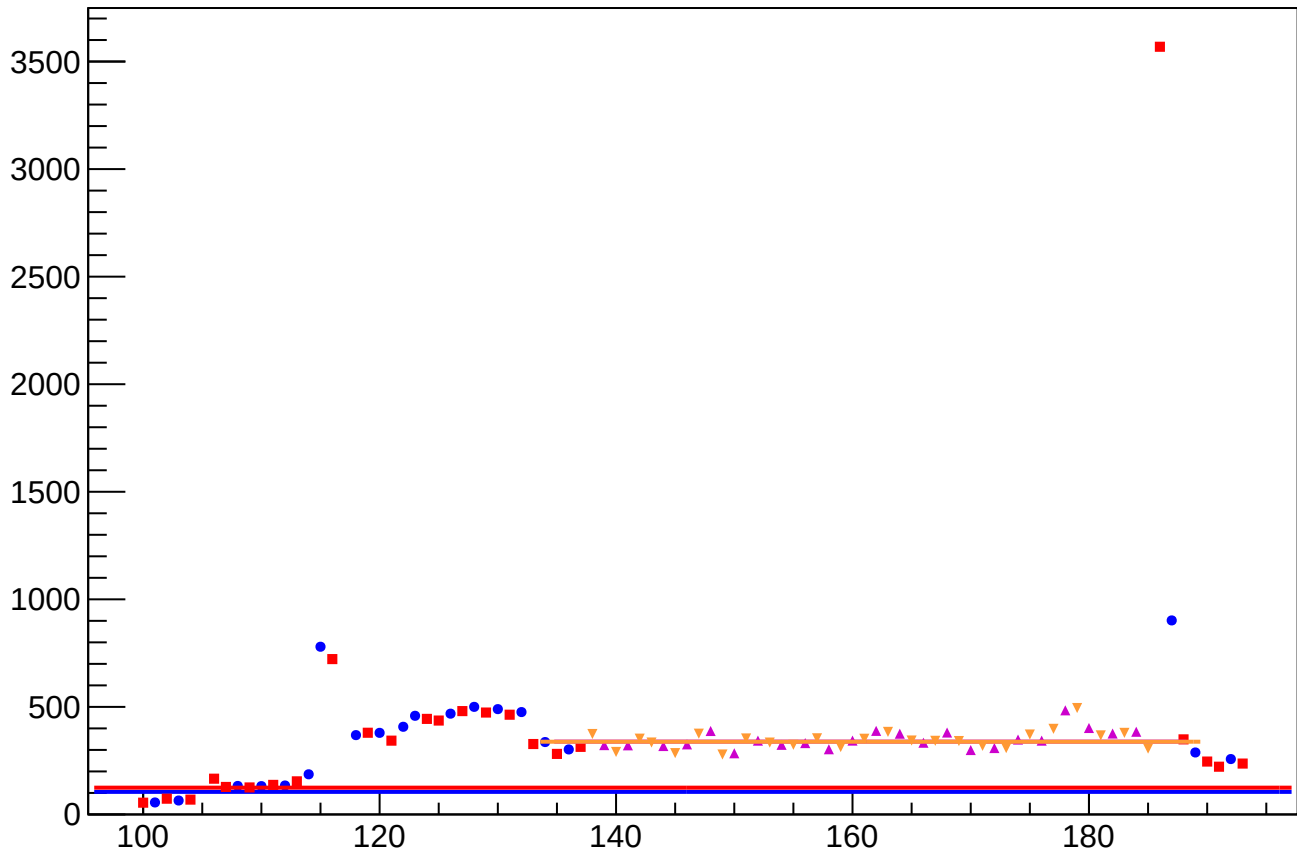
Left In: -79.985+/-81.781 χ^2/NDF : 33.4/22

+ sign -35.430+/-42.551 χ^2/NDF : 50.3/44

All: -25.505+/-30.367 χ^2/NDF : 107.9/91

- sign -15.204+/-43.350 χ^2/NDF : 57.5/46

asym_sam_15_avg_correction_rms vs Slug



Right In: 104.947+/-0.036 χ^2/NDF : 7012108.5/19

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 124.575+/-0.036 χ^2/NDF : 7068468.6/23

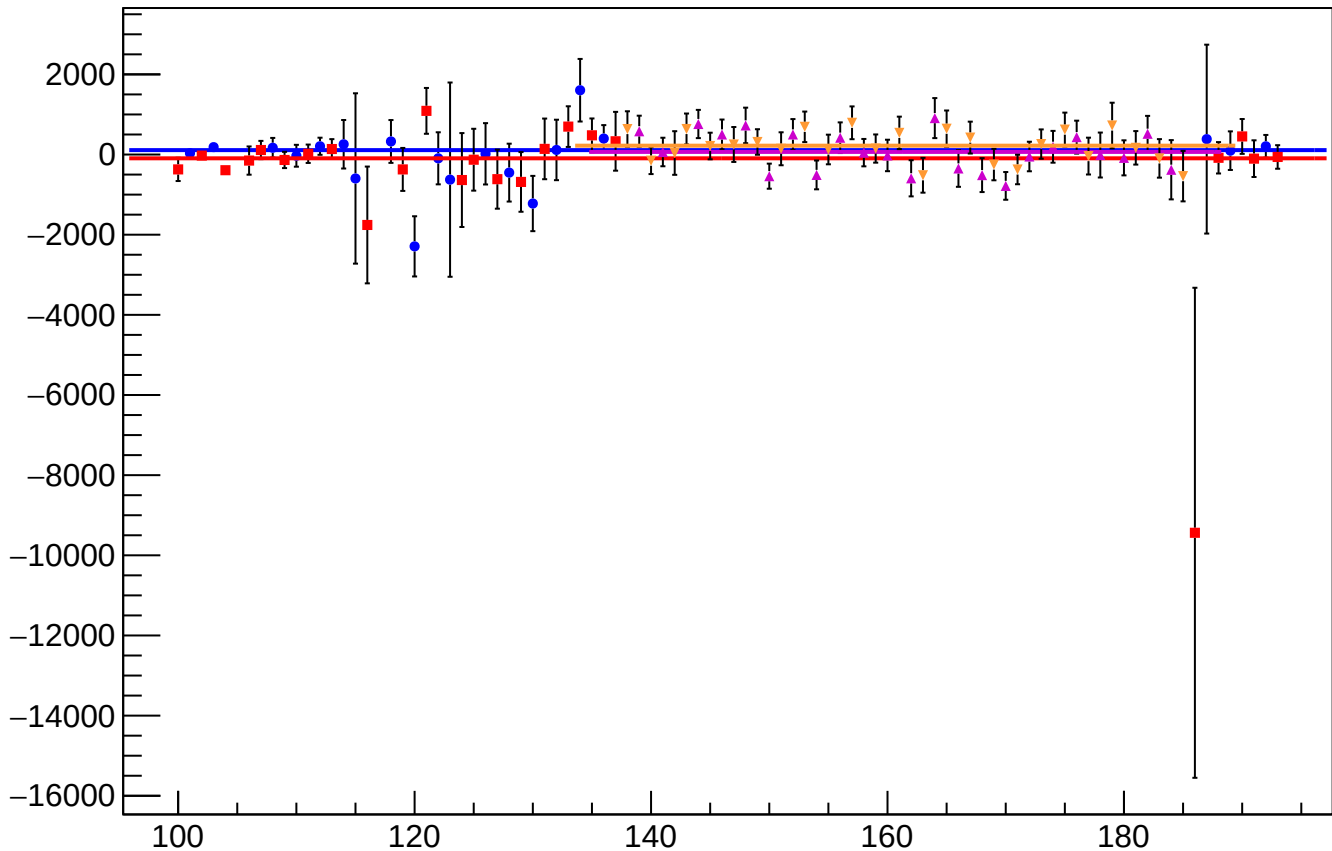
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 171.665+/-0.030 χ^2/NDF : 19778964.4/44

All: 178.062+/-0.021 χ^2/NDF : 37222487.8/91

- sign 184.702+/-0.031 χ^2/NDF : 17351392.7/46

asym_sam_15_avg_mean vs Slug



Right In: 110.350 $\pm$ 61.154 χ^2 /NDF: 21.1/19

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -94.329 $\pm$ 57.926 χ^2 /NDF: 25.2/23

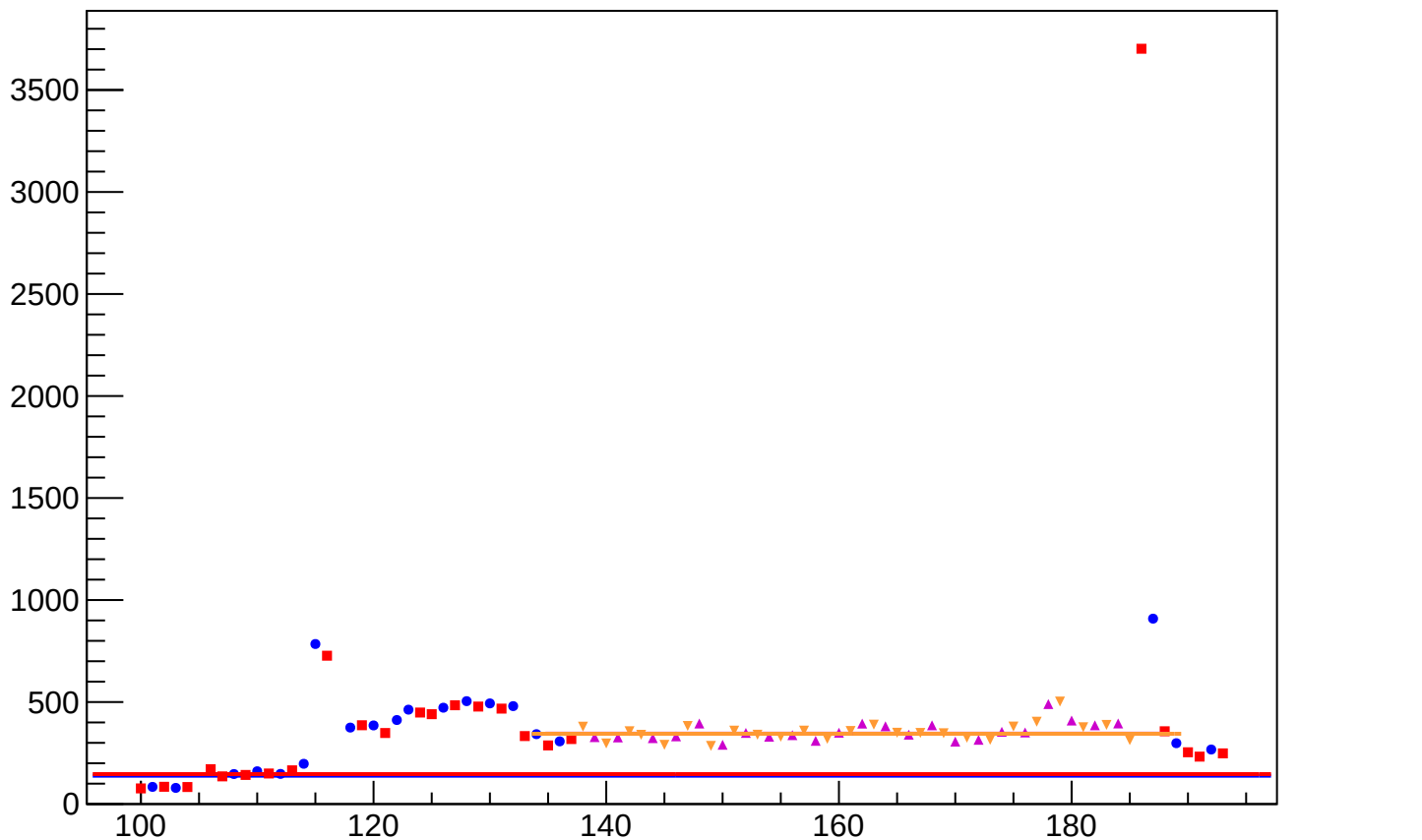
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 150.541 $\pm$ 48.810 χ^2 /NDF: 42.0/44

All: 51.649 $\pm$ 34.064 χ^2 /NDF: 111.7/91

- sign -42.246 $\pm$ 47.561 χ^2 /NDF: 61.6/46

asym_sam_15_avg_rms vs Slug



Right In: 139.041 $\pm$ 0.043 χ^2 /NDF: 5646662.8/19

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 146.837 $\pm$ 0.041 χ^2 /NDF: 6127969.6/23

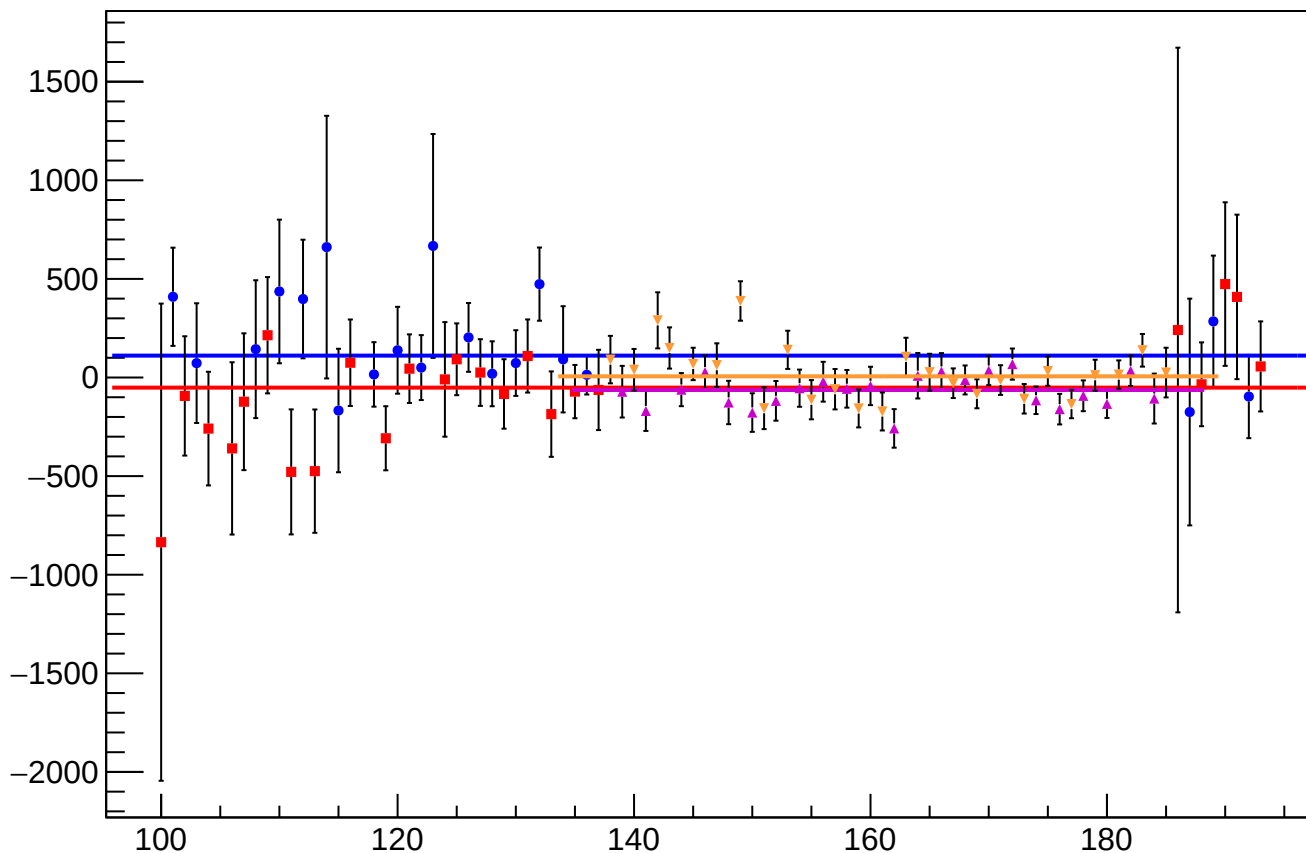
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 213.615 $\pm$ 0.035 χ^2 /NDF: 14329220.4/44

All: 212.489 $\pm$ 0.024 χ^2 /NDF: 28516543.8/9

- sign 211.421 $\pm$ 0.034 χ^2 /NDF: 14185249.6/46

reg_asym_sam_26_avg_mean vs Slug



Right In: 110.998 ± 47.269 χ^2/NDF : 13.0/19

Left Out: 6.020 ± 17.910 χ^2/NDF : 46.0/24

Right Out: -51.300 ± 47.008 χ^2/NDF : 14.2/23

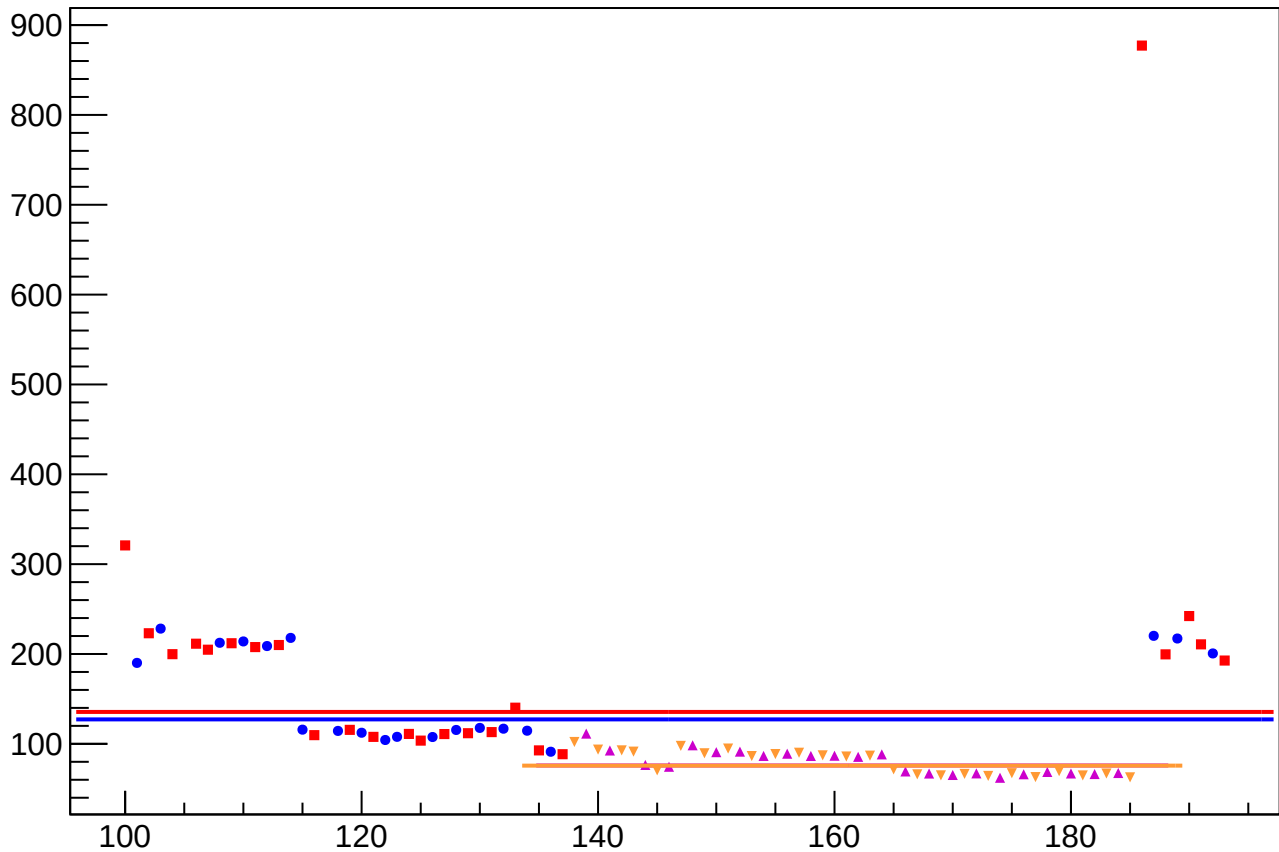
Left In: -63.279 ± 18.447 χ^2/NDF : 19.8/22

+ sign 19.198 ± 16.748 χ^2/NDF : 63.3/44

All: -20.231 ± 11.990 χ^2/NDF : 108.8/91

- sign -61.680 ± 17.172 χ^2/NDF : 34.1/46

reg_asym_sam_26_avg_rms vs Slug



Right In: 127.203 $\pm$ 0.033 χ^2 /NDF: 1583525.3/19

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 135.510 $\pm$ 0.033 χ^2 /NDF: 2448425.0/23

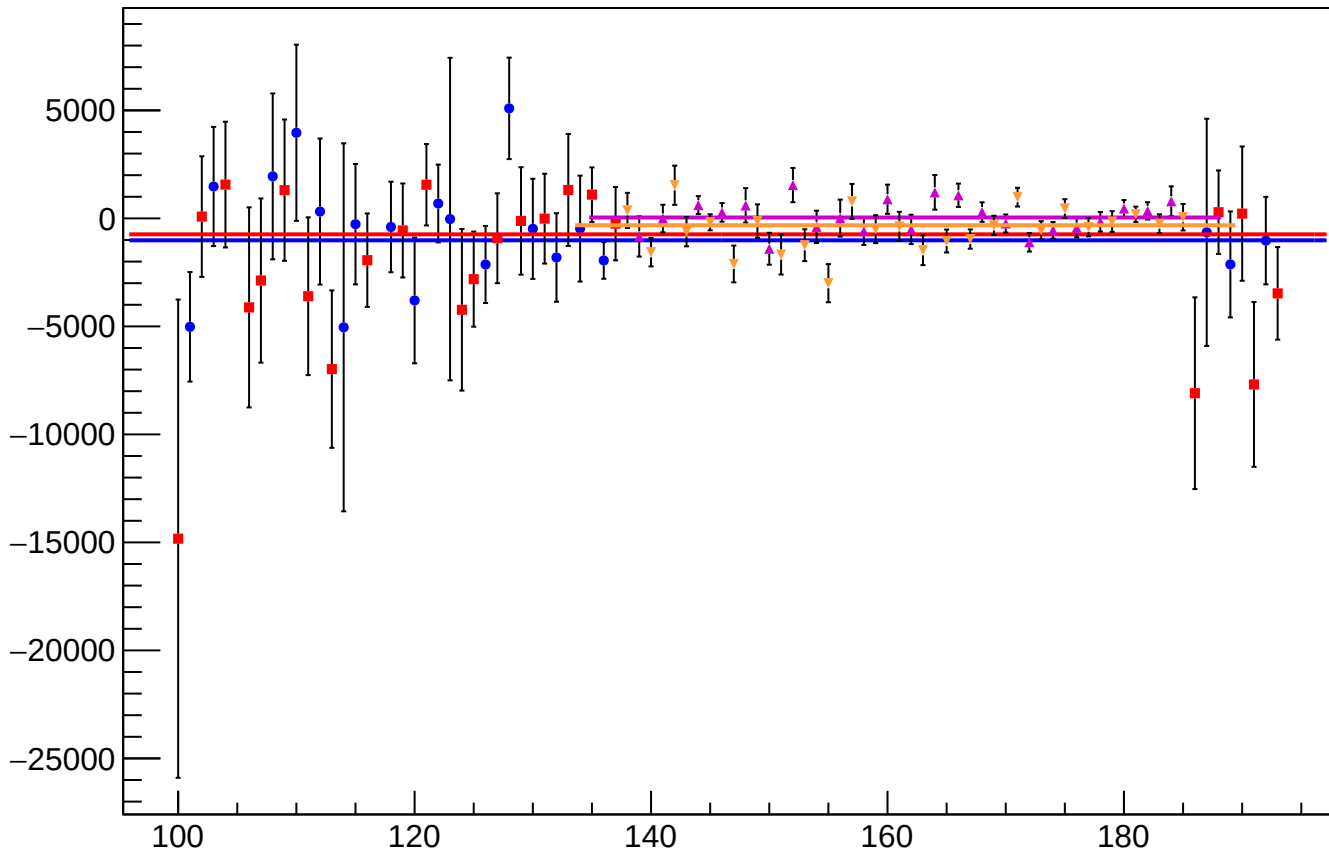
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 82.203 $\pm$ 0.012 χ^2 /NDF: 4594198.3/44

All: 83.012 $\pm$ 0.008 χ^2 /NDF: 10669663.1/91

- sign 83.863 $\pm$ 0.012 χ^2 /NDF: 6065889.6/46

asym_sam_26_avg_correction_mean vs Slug



Right In: -1014.870 ± 485.654 χ^2/NDF : 16.6/19

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -739.624 ± 496.690 χ^2/NDF : 21.8/23

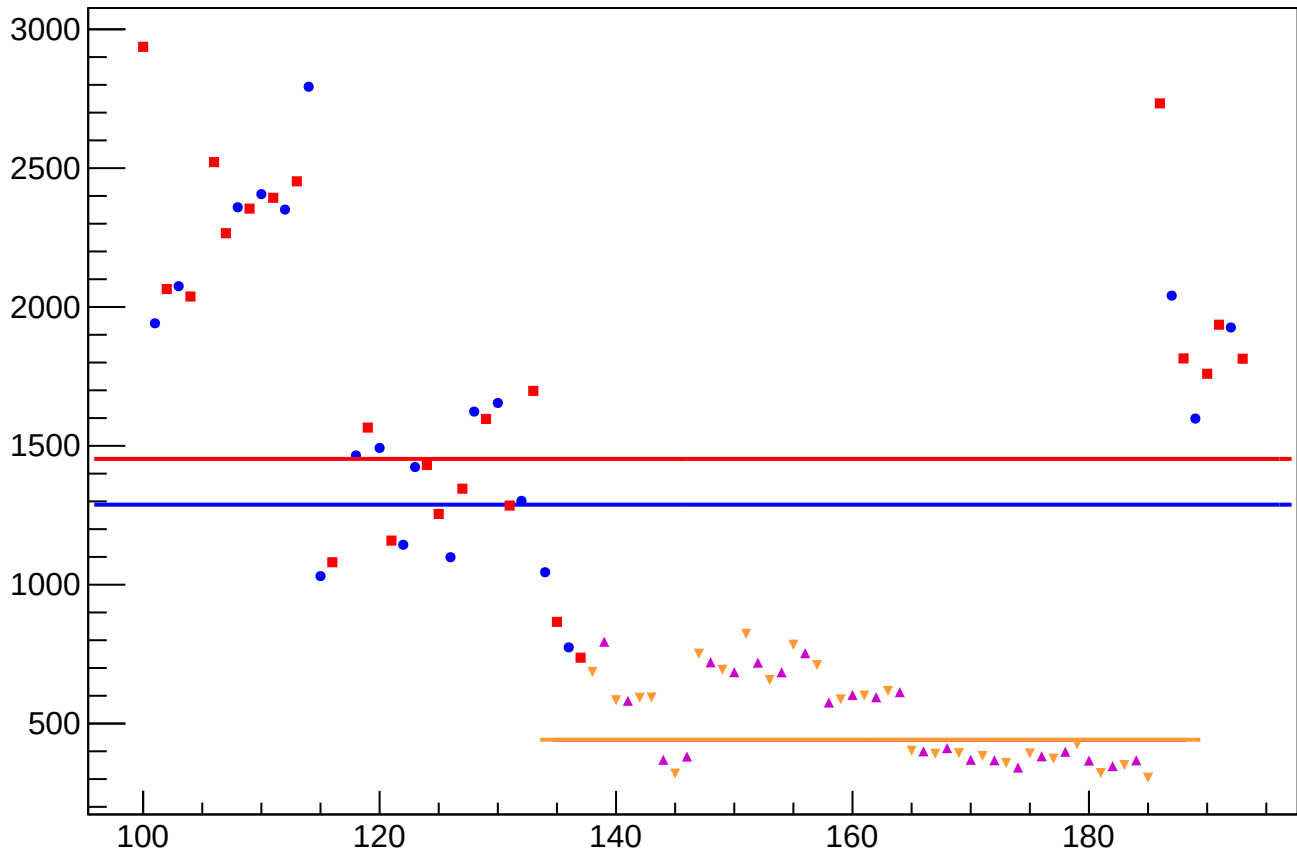
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -350.908 ± 105.437 χ^2/NDF : 68.6/44

All: -177.188 ± 75.320 χ^2/NDF : 133.0/91

- sign 3.840 ± 107.633 χ^2/NDF : 58.8/46

asym_sam_26_avg_correction_rms vs Slug



Right In: 1288.177+/-0.343 χ^2/NDF : 2054855.3/19

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1453.021+/-0.351 χ^2/NDF : 2150186.5/23

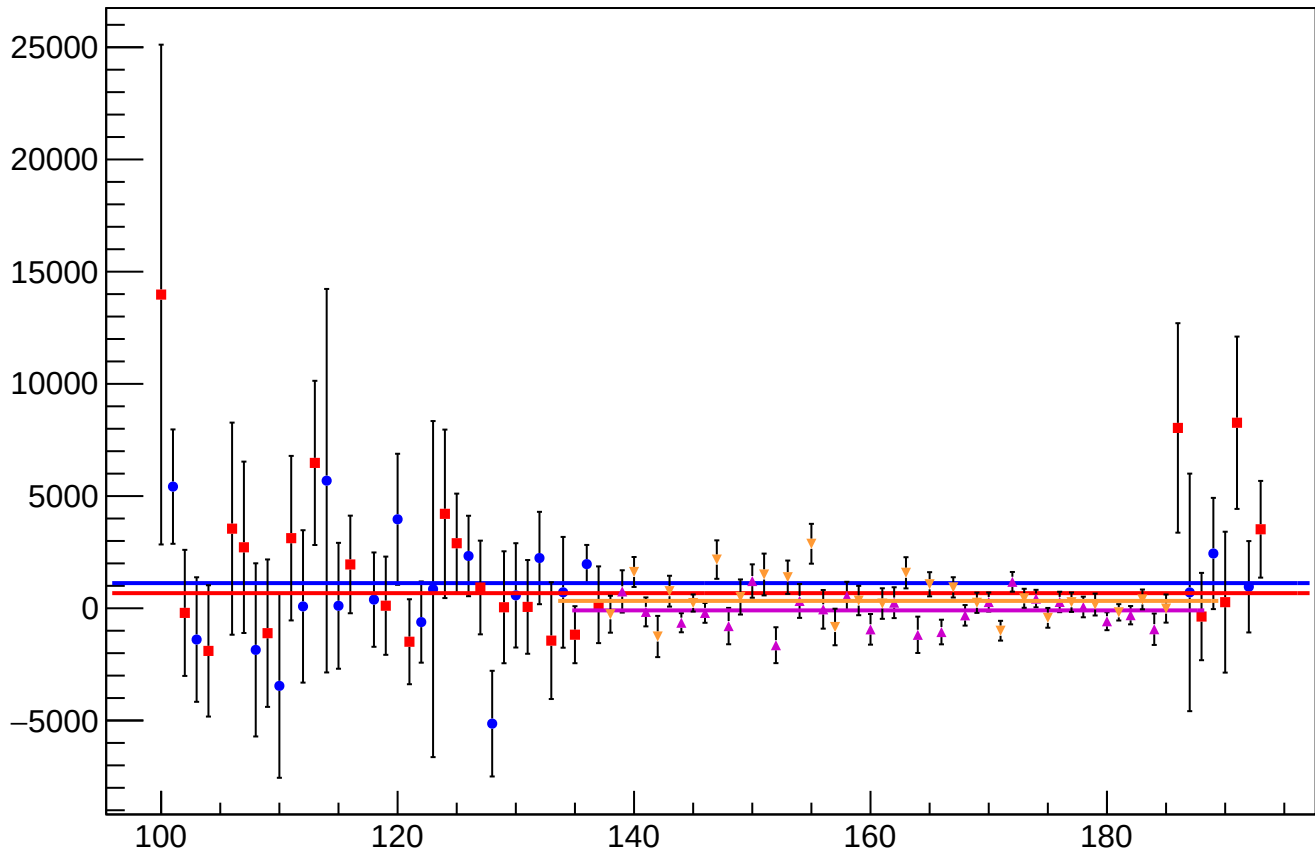
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 481.583+/-0.075 χ^2/NDF : 11013663.5/44

All: 484.986+/-0.053 χ^2/NDF : 23678130.7/90

- sign 488.531+/-0.076 χ^2/NDF : 12660214.0/46

asym_sam_26_avg_mean vs Slug



Right In: 1121.757 $\pm$ 488.500 χ^2 /NDF: 17.2/19

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 674.370 $\pm$ 499.683 χ^2 /NDF: 21.3/23

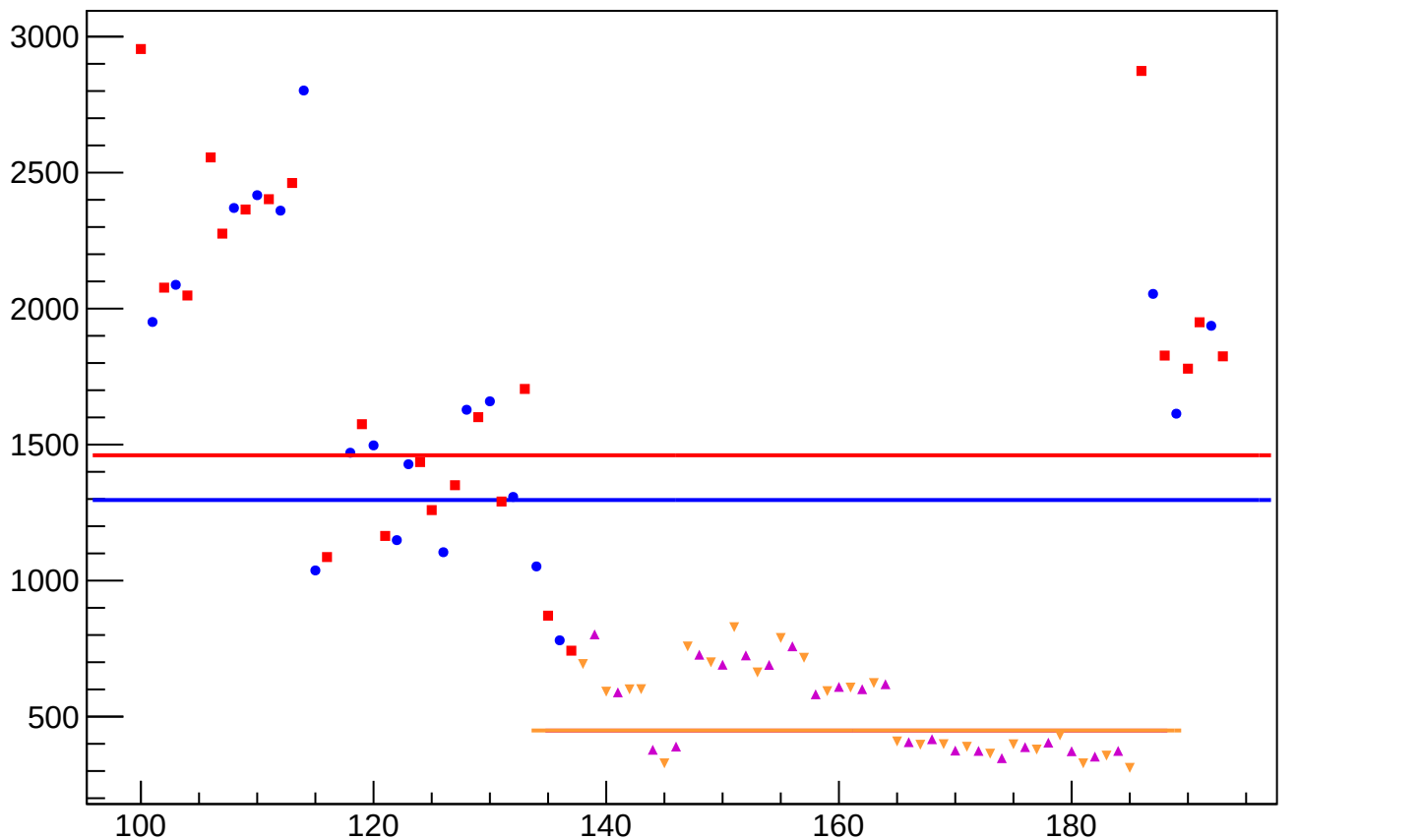
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 366.656 $\pm$ 107.005 χ^2 /NDF: 67.4/44

All: 159.418 $\pm$ 76.446 χ^2 /NDF: 132.0/91

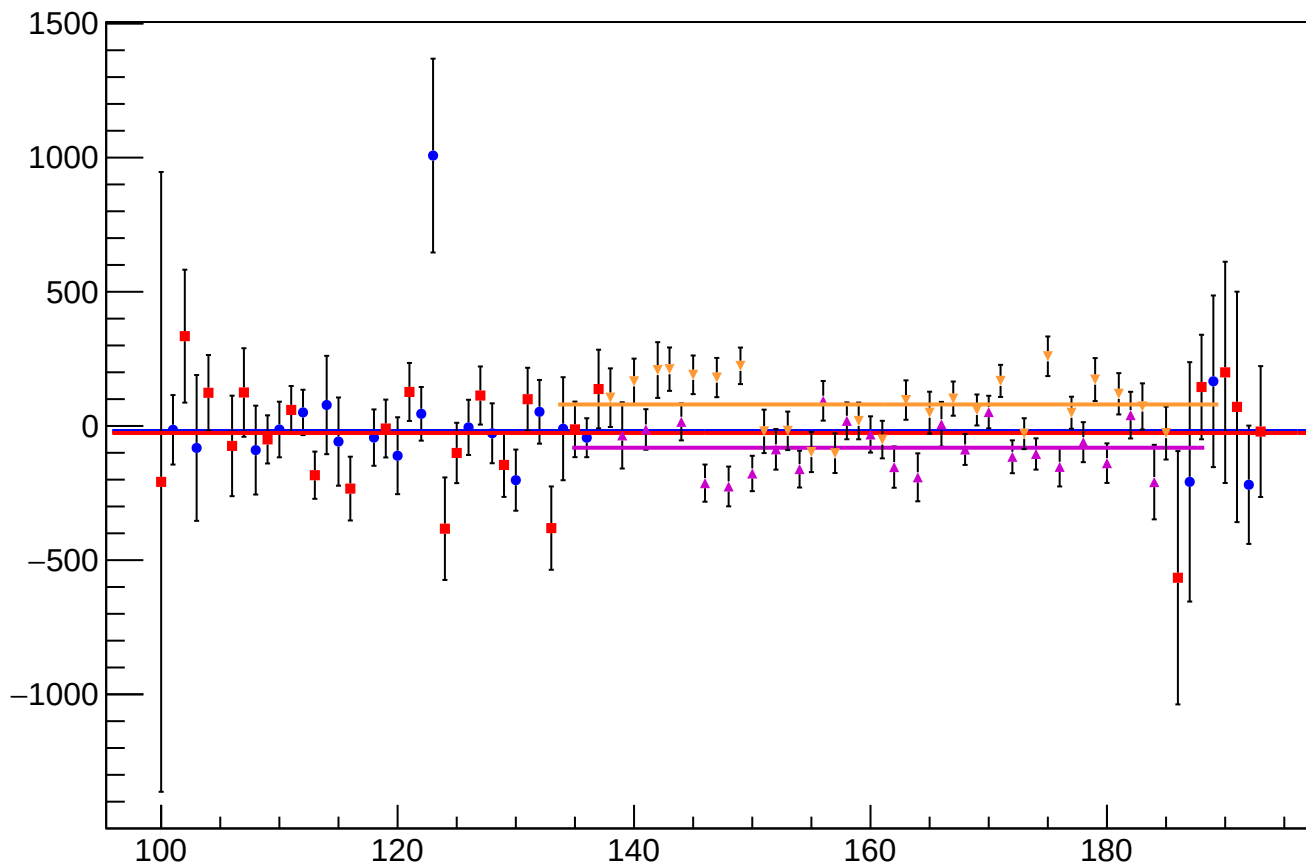
- sign -56.612 $\pm$ 109.251 χ^2 /NDF: 56.9/46

asym_sam_26_avg_rms vs Slug



Right In: 1296.326 $\pm$ 0.345 χ^2 /NDF: 2042750.7/19
 Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF:3090476.2/24 + sign 489.672 $\pm$ 0.076 χ^2 /NDF: 10861578.7/44
 Right Out: 1460.838 $\pm$ 0.353 χ^2 /NDF: 2165704.4/23 All: 493.118 $\pm$ 0.054 χ^2 /NDF: 23388490.6/9
 Left In: 448.307 $\pm$ 0.079 χ^2 /NDF:2537376.0/22 - sign 496.710 $\pm$ 0.077 χ^2 /NDF: 12522676.0/46

reg_asym_sam_37_avg_mean vs Slug



Right In: -18.927 ± 28.488 χ^2/NDF : 14.6/19

Left Out: 80.171 ± 14.592 χ^2/NDF : 48.6/24

Right Out: -26.101 ± 27.421 χ^2/NDF : 30.1/23

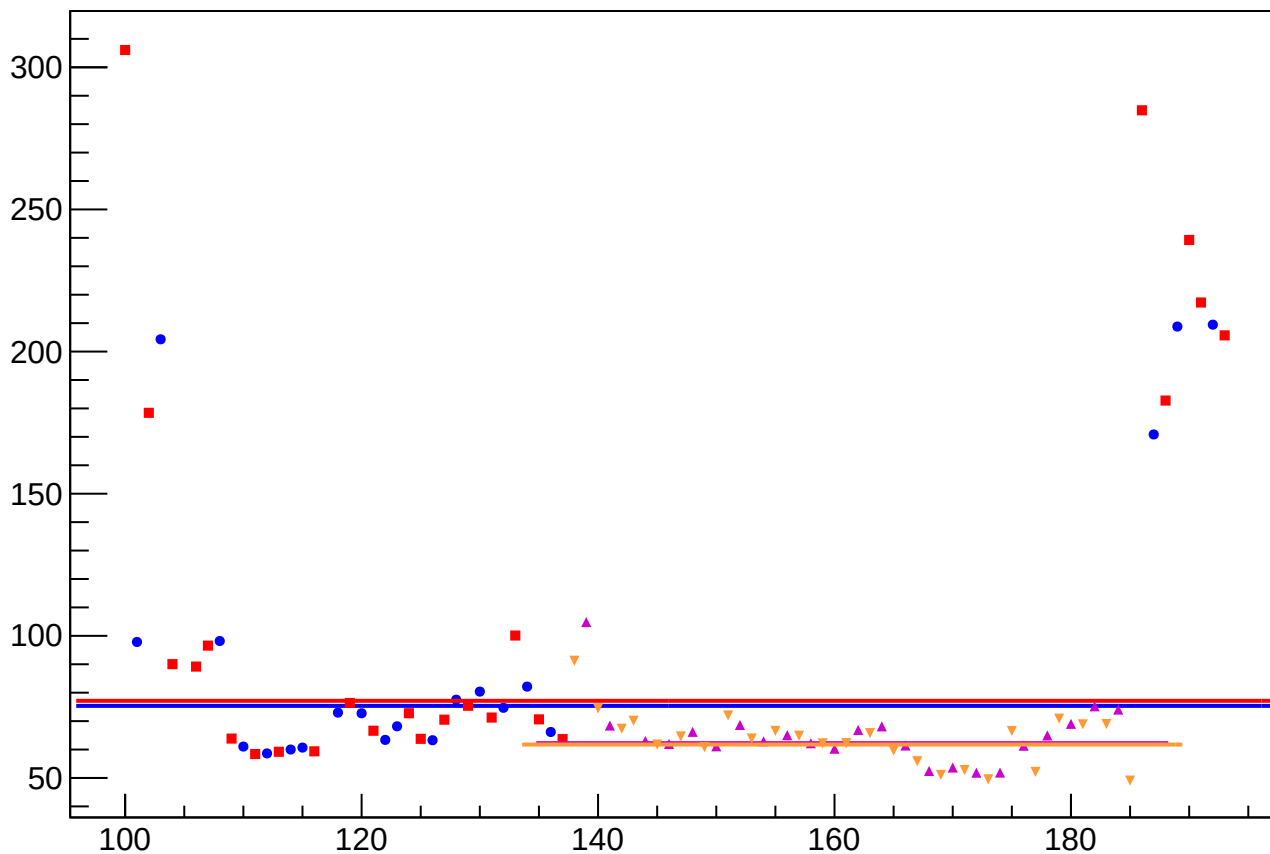
Left In: -81.156 ± 15.105 χ^2/NDF : 35.3/22

+ sign 59.574 ± 12.988 χ^2/NDF : 72.8/44

All: -3.196 ± 9.268 χ^2/NDF : 188.9/91

- sign -68.339 ± 13.231 χ^2/NDF : 68.5/46

reg_asym_sam_37_avg_rms vs Slug



Right In: 75.364 $\pm$ 0.020 χ^2 /NDF: 1973163.8/19

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 77.148 $\pm$ 0.019 χ^2 /NDF: 2910126.6/23

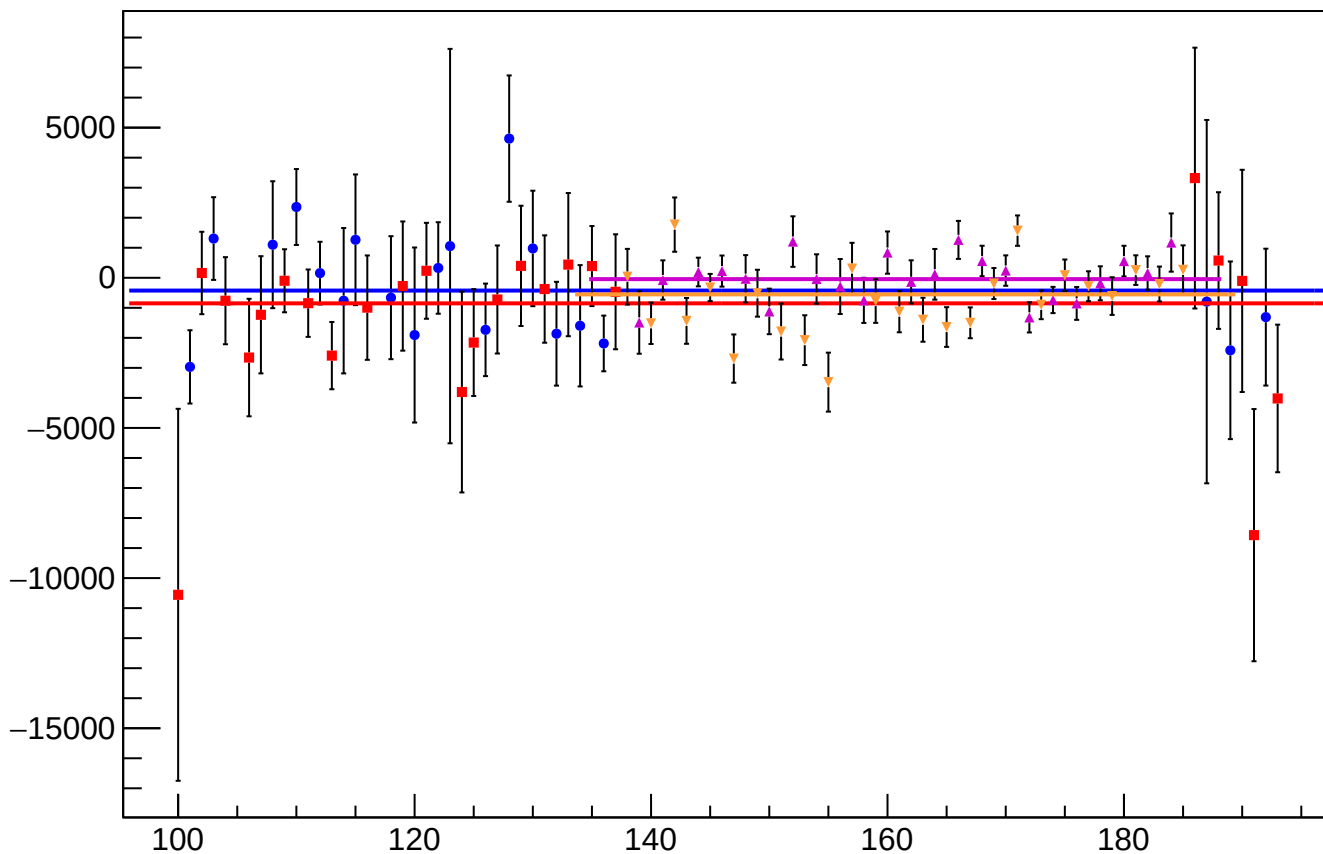
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 64.588 $\pm$ 0.009 χ^2 /NDF: 2979901.4/44

All: 65.143 $\pm$ 0.007 χ^2 /NDF: 6941506.0/91

- sign 65.719 $\pm$ 0.009 χ^2 /NDF: 3954169.9/46

asym_sam_37_avg_correction_mean vs Slug



Right In: -425.550 ± 373.922 χ^2/NDF : 25.1/19

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -851.160 ± 357.495 χ^2/NDF : 16.7/23

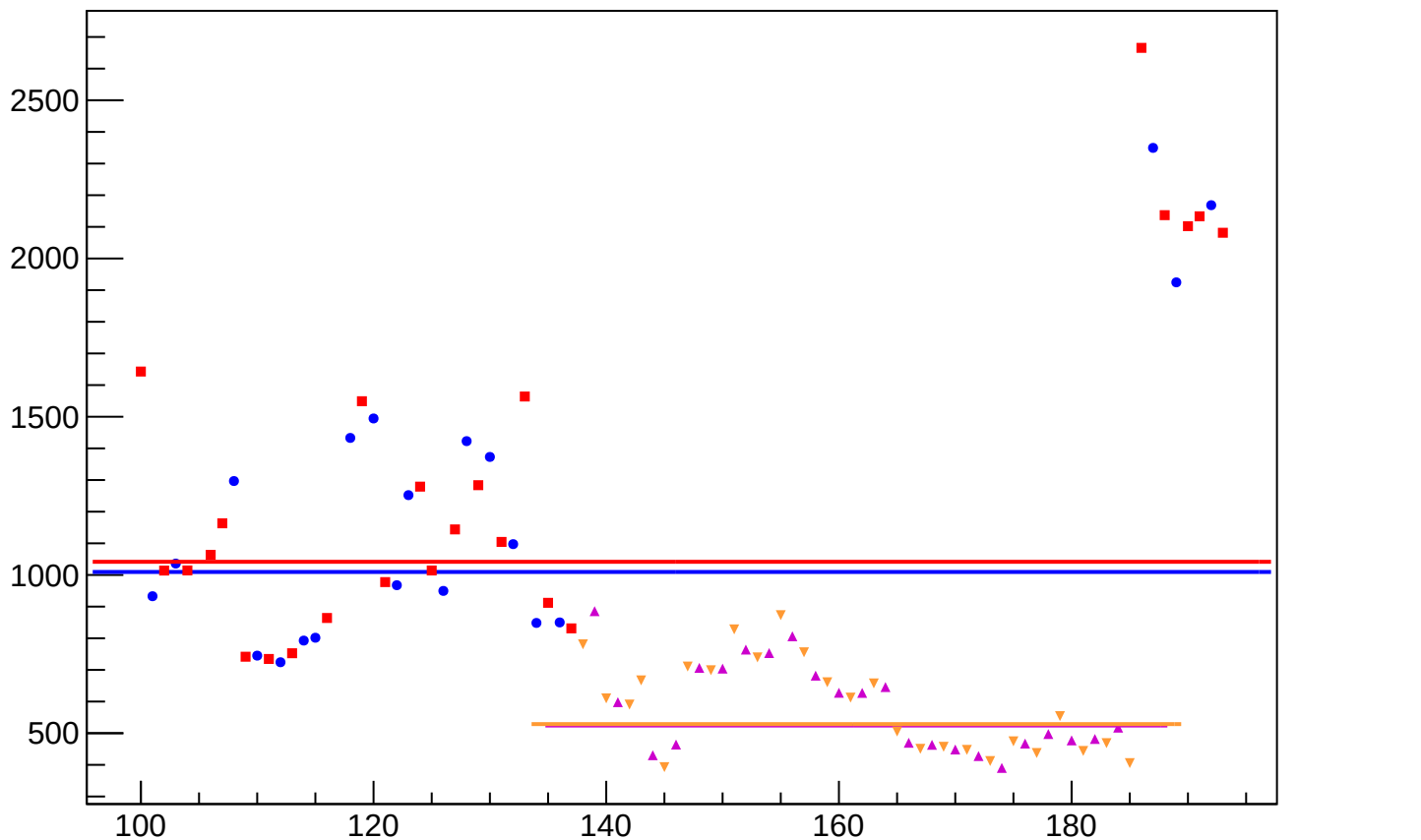
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -539.383 ± 120.237 χ^2/NDF : 90.5/44

All: -340.471 ± 85.436 χ^2/NDF : 146.8/91

- sign -137.623 ± 121.420 χ^2/NDF : 50.8/46

asym_sam_37_avg_correction_rms vs Slug



Right In: 1009.498 $\pm$ 0.264 χ^2 /NDF: 1497574.5/19

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1041.615 $\pm$ 0.253 χ^2 /NDF: 2198331.9/23

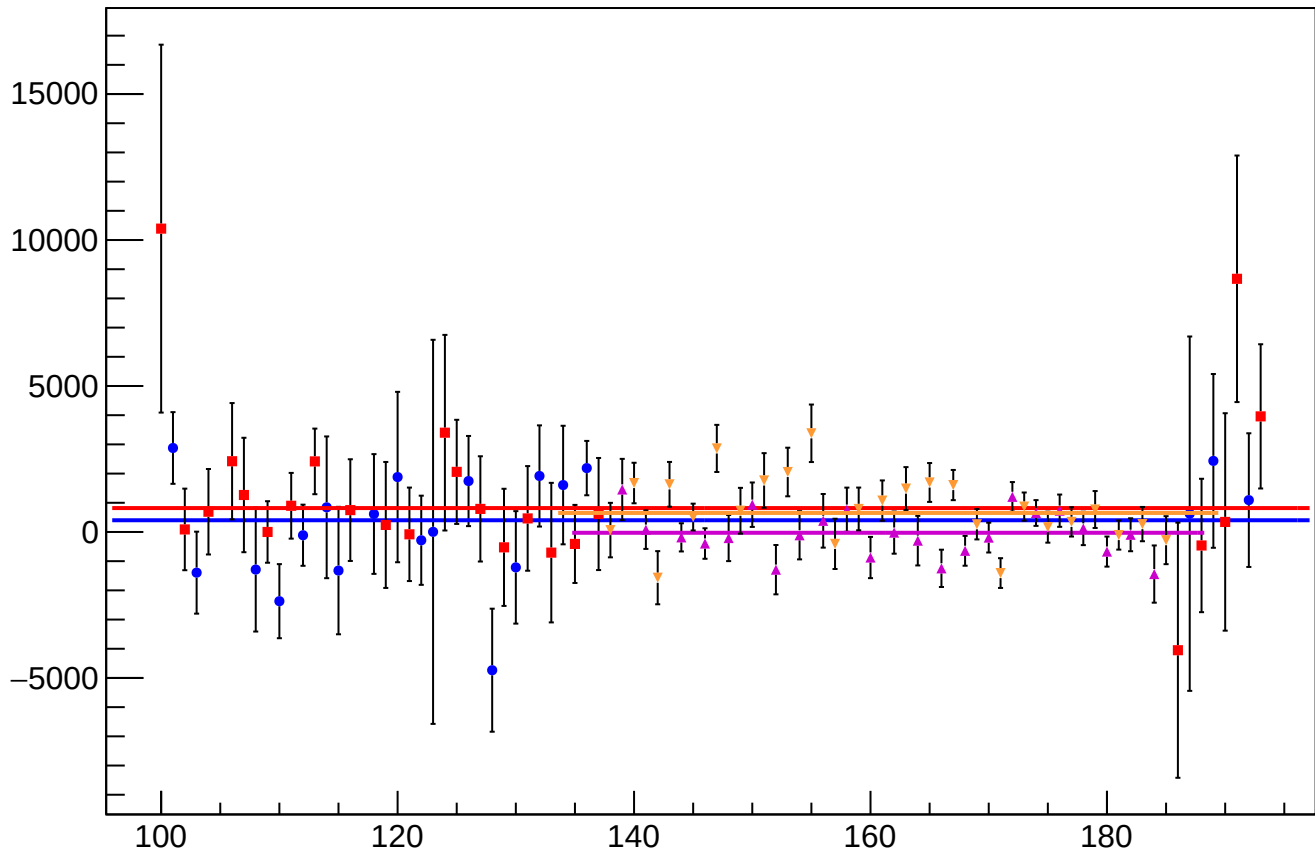
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 578.446 $\pm$ 0.085 χ^2 /NDF: 6445605.0/44

All: 581.170 $\pm$ 0.060 χ^2 /NDF: 14067549.3/9

- sign 583.948 $\pm$ 0.086 χ^2 /NDF: 7619871.0/46

asym_sam_37_avg_mean vs Slug



Right In: 401.497 ± 375.630 $\chi^2/\text{NDF}: 25.2/19$

Left Out: 651.560 ± 127.961 $\chi^2/\text{NDF}: 61.1/24$

Right Out: 818.744 ± 359.305 $\chi^2/\text{NDF}: 15.8/23$

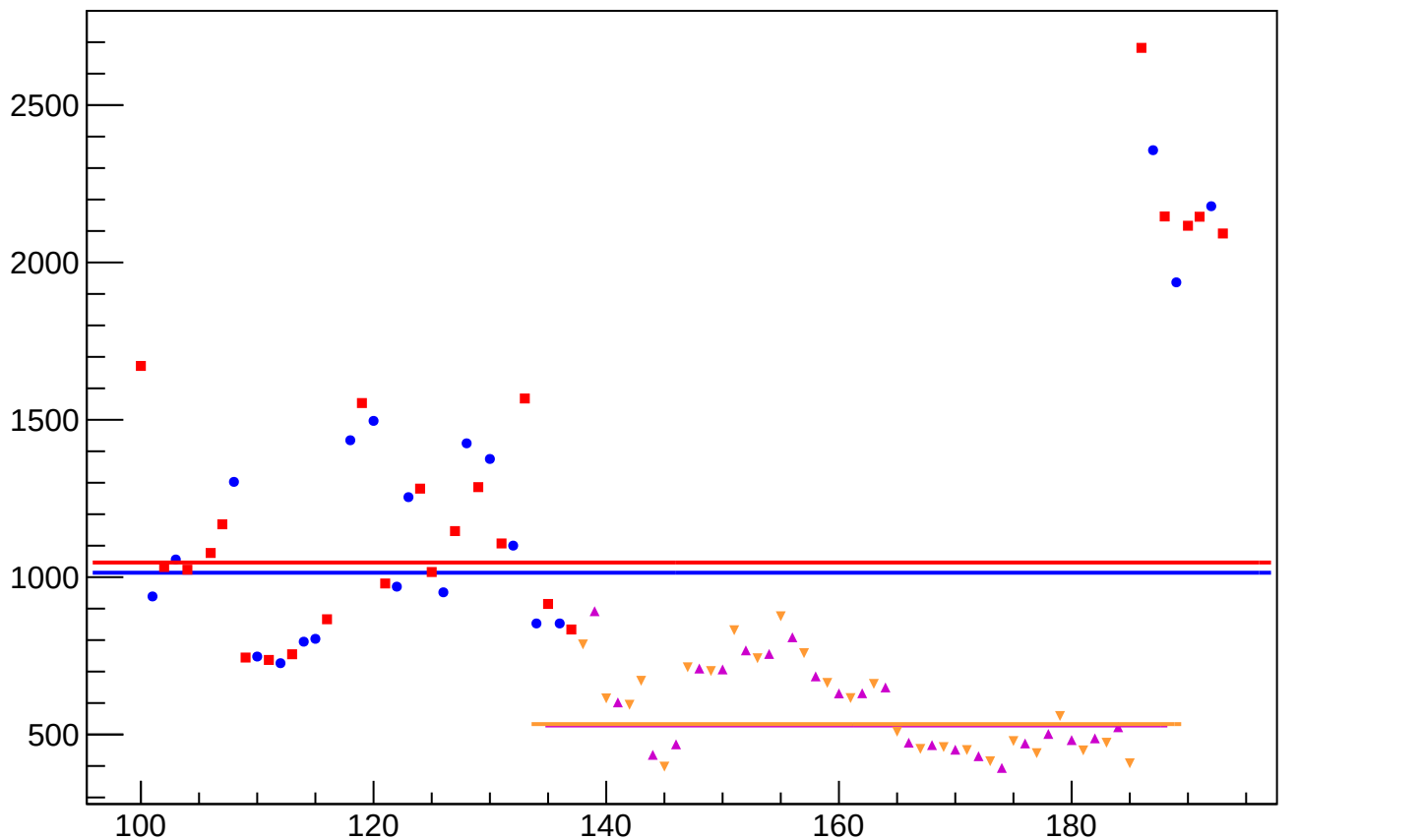
Left In: -27.483 ± 130.127 $\chi^2/\text{NDF}: 28.5/22$

+ sign 625.558 ± 121.126 $\chi^2/\text{NDF}: 86.7/44$

All: 350.889 ± 86.078 $\chi^2/\text{NDF}: 146.3/91$

- sign 70.640 ± 122.350 $\chi^2/\text{NDF}: 49.1/46$

asym_sam_37_avg_rms vs Slug



Right In: 1014.098 ± 0.266 $\chi^2/\text{NDF}: 1498355.3/19$

Left Out: 533.060 ± 0.090 $\chi^2/\text{NDF}: 1951536.4/24$

Right Out: 1046.546 ± 0.254 $\chi^2/\text{NDF}: 2202584.9/23$

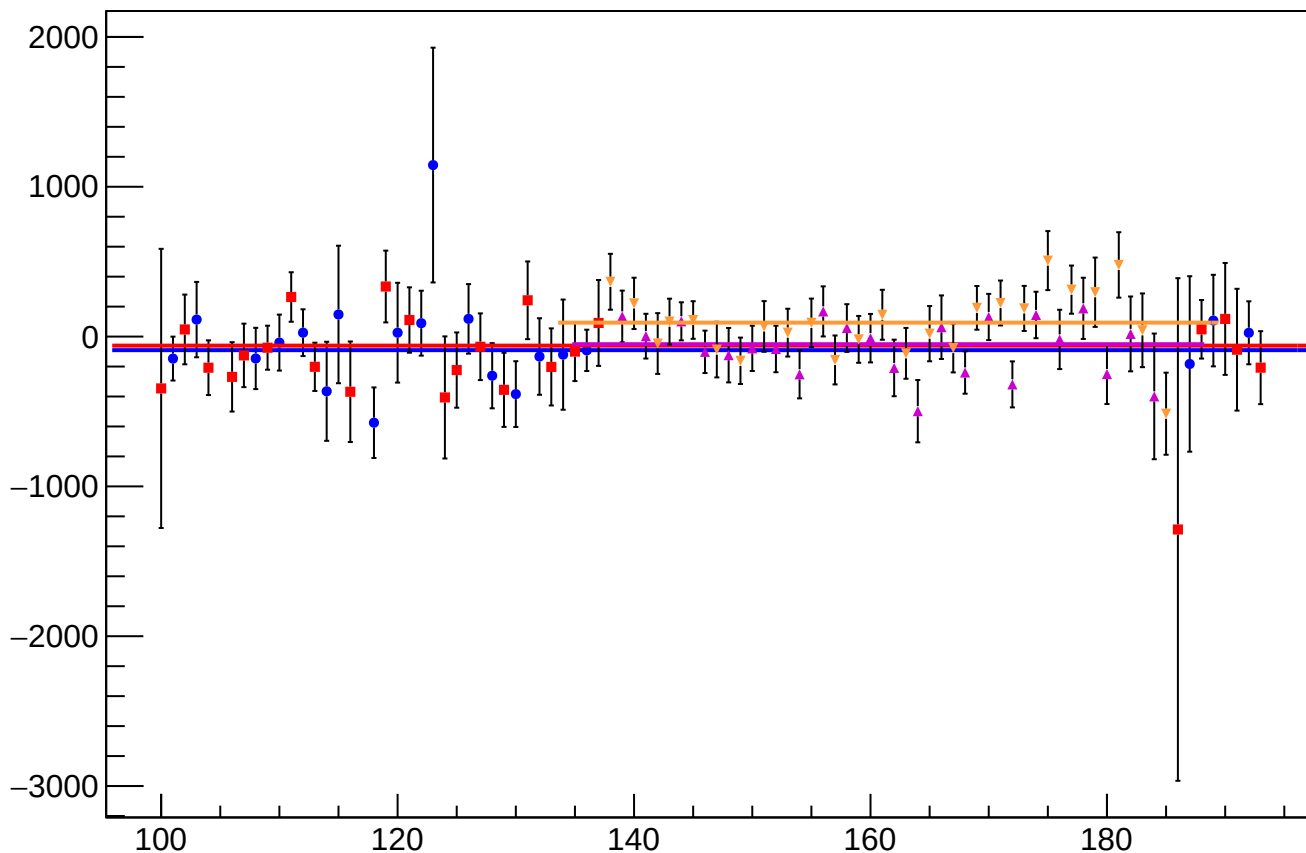
Left In: 528.694 ± 0.092 $\chi^2/\text{NDF}: 1688511.2/22$

+ sign 583.079 ± 0.086 $\chi^2/\text{NDF}: 6388797.0/44$

All: 585.881 ± 0.061 $\chi^2/\text{NDF}: 13954806.4/91$

- sign 588.741 ± 0.087 $\chi^2/\text{NDF}: 7563846.4/46$

reg_asym_sam_48_avg_mean vs Slug



Right In: -90.621 ± 50.510 $\chi^2/\text{NDF}: 14.0/19$

Left Out: 92.994 ± 34.054 $\chi^2/\text{NDF}: 29.4/24$

Right Out: -60.364 ± 47.551 $\chi^2/\text{NDF}: 16.7/23$

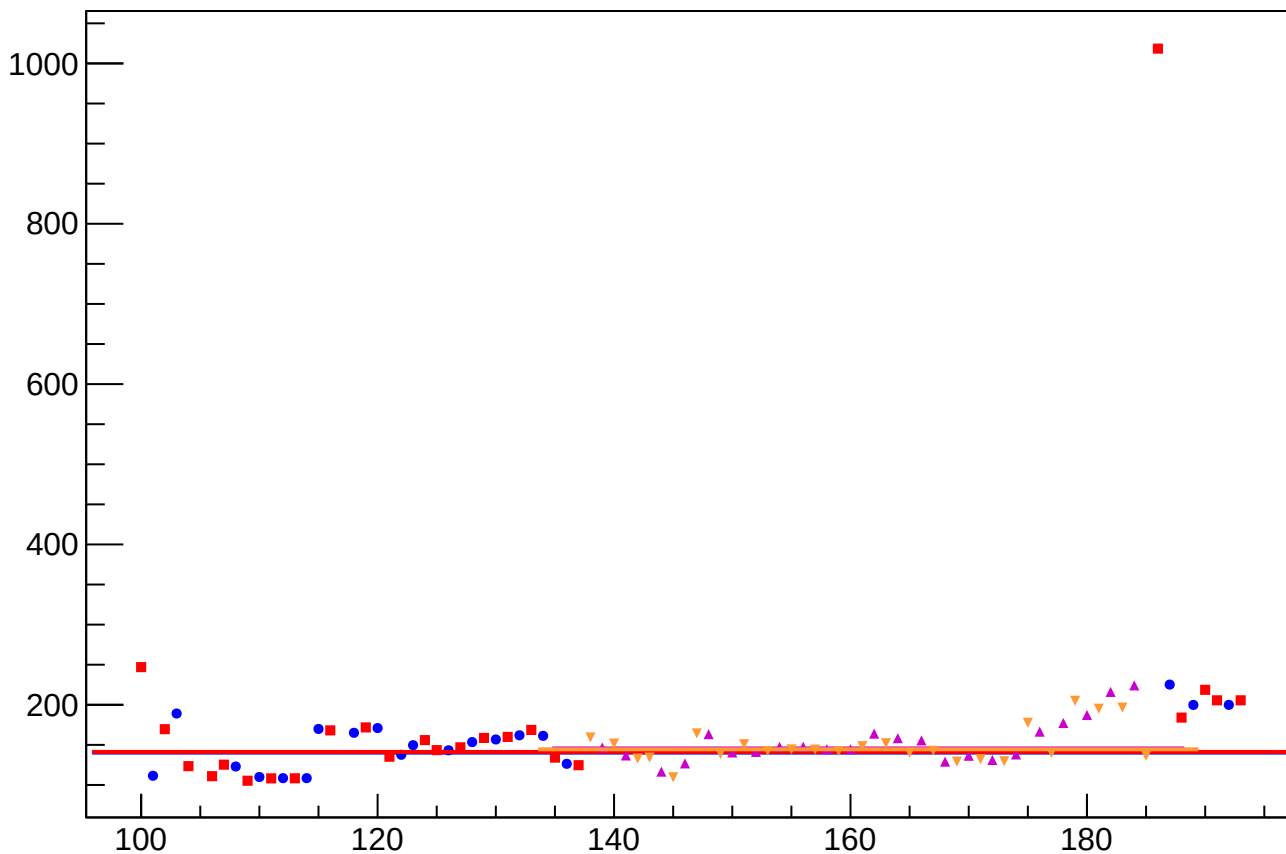
Left In: -50.896 ± 35.280 $\chi^2/\text{NDF}: 23.5/22$

+ sign 35.614 ± 28.236 $\chi^2/\text{NDF}: 52.5/44$

All: -9.167 ± 20.000 $\chi^2/\text{NDF}: 97.7/91$

- sign -54.257 ± 28.333 $\chi^2/\text{NDF}: 40.2/46$

reg_asym_sam_48_avg_rms vs Slug



Right In: 140.396+/-0.036 χ^2/NDF : 708515.2/19

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 141.220+/-0.034 χ^2/NDF : 1424724.5/23

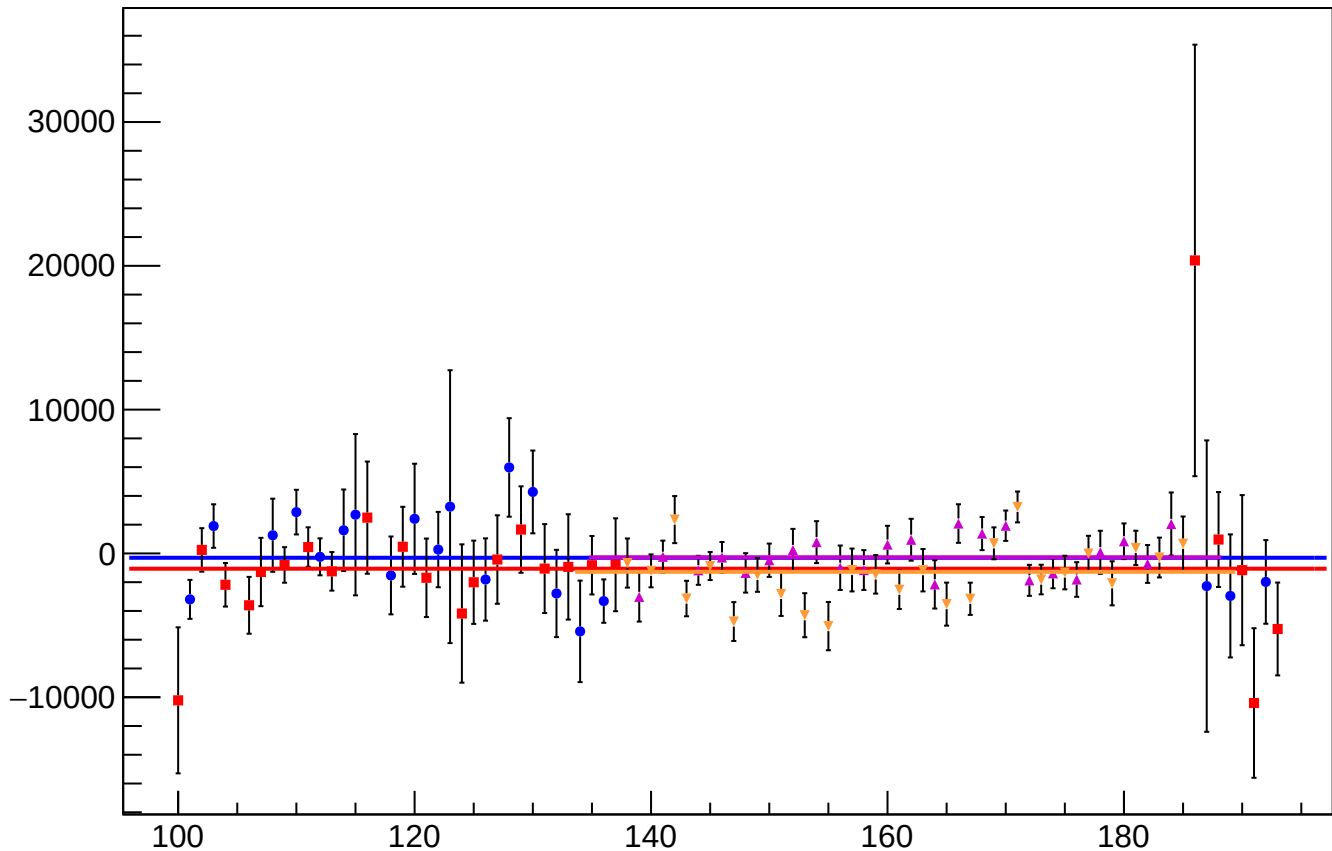
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 143.200+/-0.020 χ^2/NDF : 1387972.1/44

All: 143.600+/-0.014 χ^2/NDF : 3467650.1/91

- sign 144.003+/-0.020 χ^2/NDF : 2078873.1/46

asym_sam_48_avg_correction_mean vs Slug



Right In: -301.650 ± 512.164 χ^2/NDF : 26.6/19

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1062.778 ± 467.387 χ^2/NDF : 17.4/23

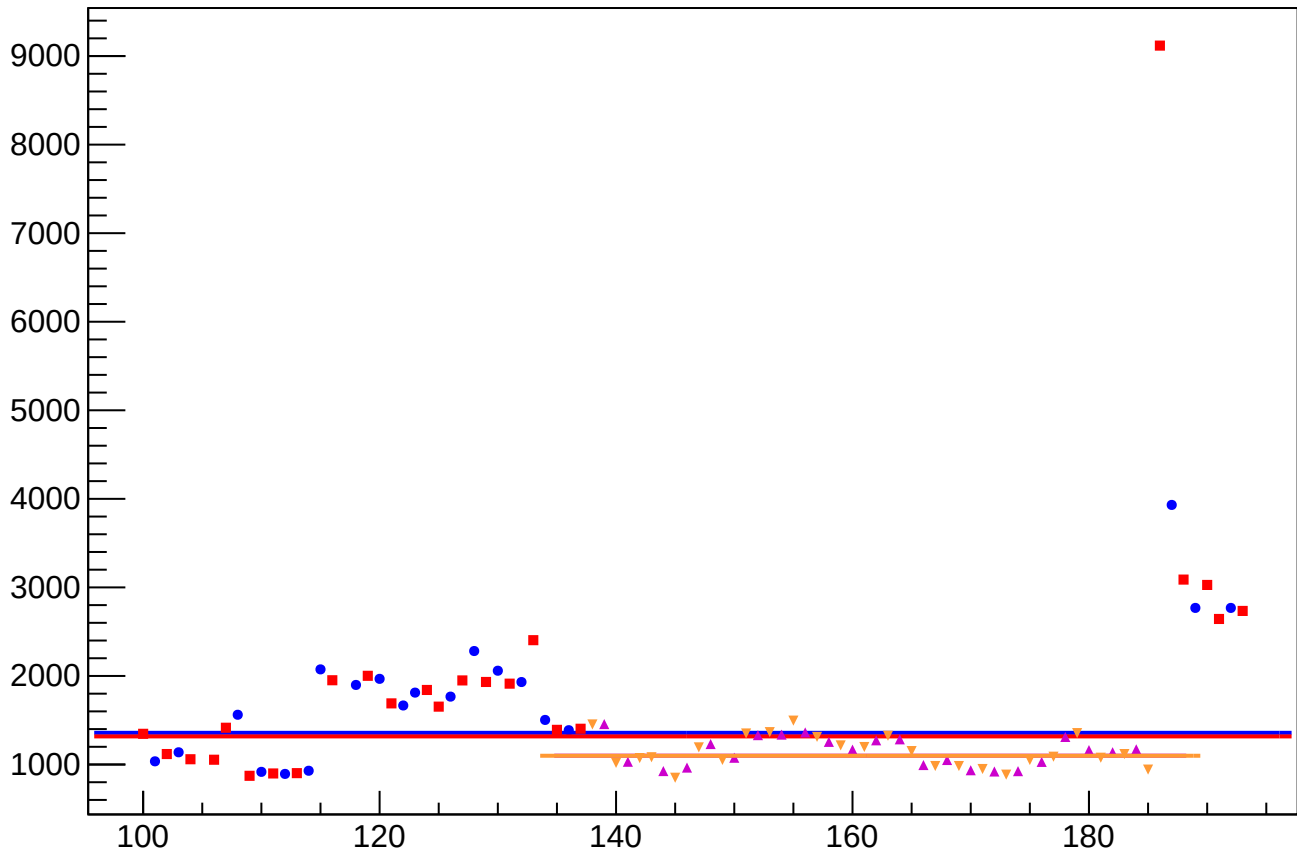
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1079.857 ± 231.340 χ^2/NDF : 85.4/44

All: -772.028 ± 163.583 χ^2/NDF : 132.8/91

- sign -464.192 ± 231.343 χ^2/NDF : 43.9/46

asym_sam_48_avg_correction_rms vs Slug



Right In: 1357.957 $\pm$ 0.362 χ^2 /NDF: 2028218.6/19

Left Out: 1098.909 $\pm$ 0.183 χ^2 /NDF: 824328.7/24

Right Out: 1317.326 $\pm$ 0.330 χ^2 /NDF: 3298602.5/23

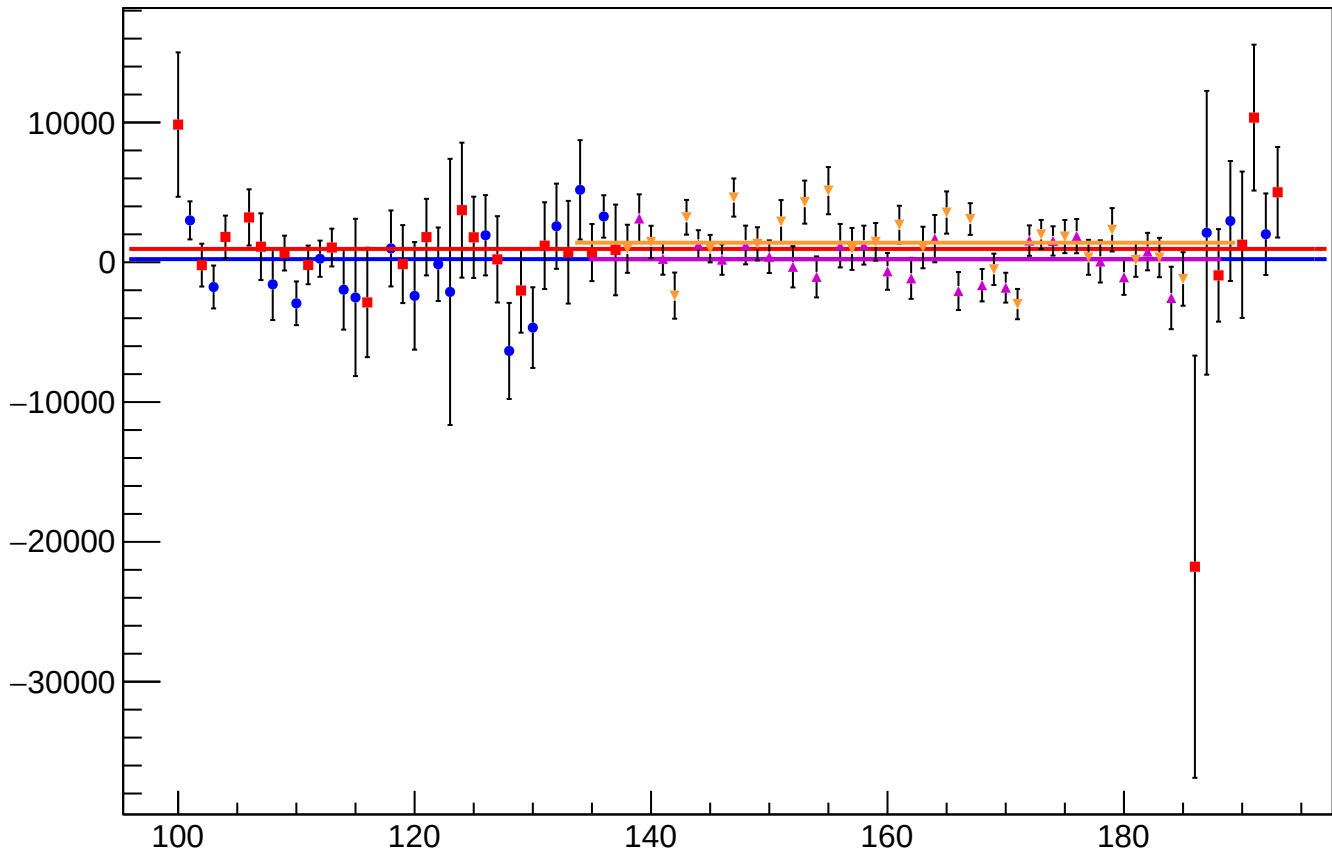
Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

+ sign 1151.761 $\pm$ 0.164 χ^2 /NDF: 3259807.9/44

All: 1152.346 $\pm$ 0.116 χ^2 /NDF: 7566056.0/91

- sign 1152.931 $\pm$ 0.164 χ^2 /NDF: 4306222.5/46

asym_sam_48_avg_mean vs Slug



Right In: 225.272 ± 515.401 χ^2/NDF : 26.2/19

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 955.713 ± 470.830 χ^2/NDF : 15.9/23

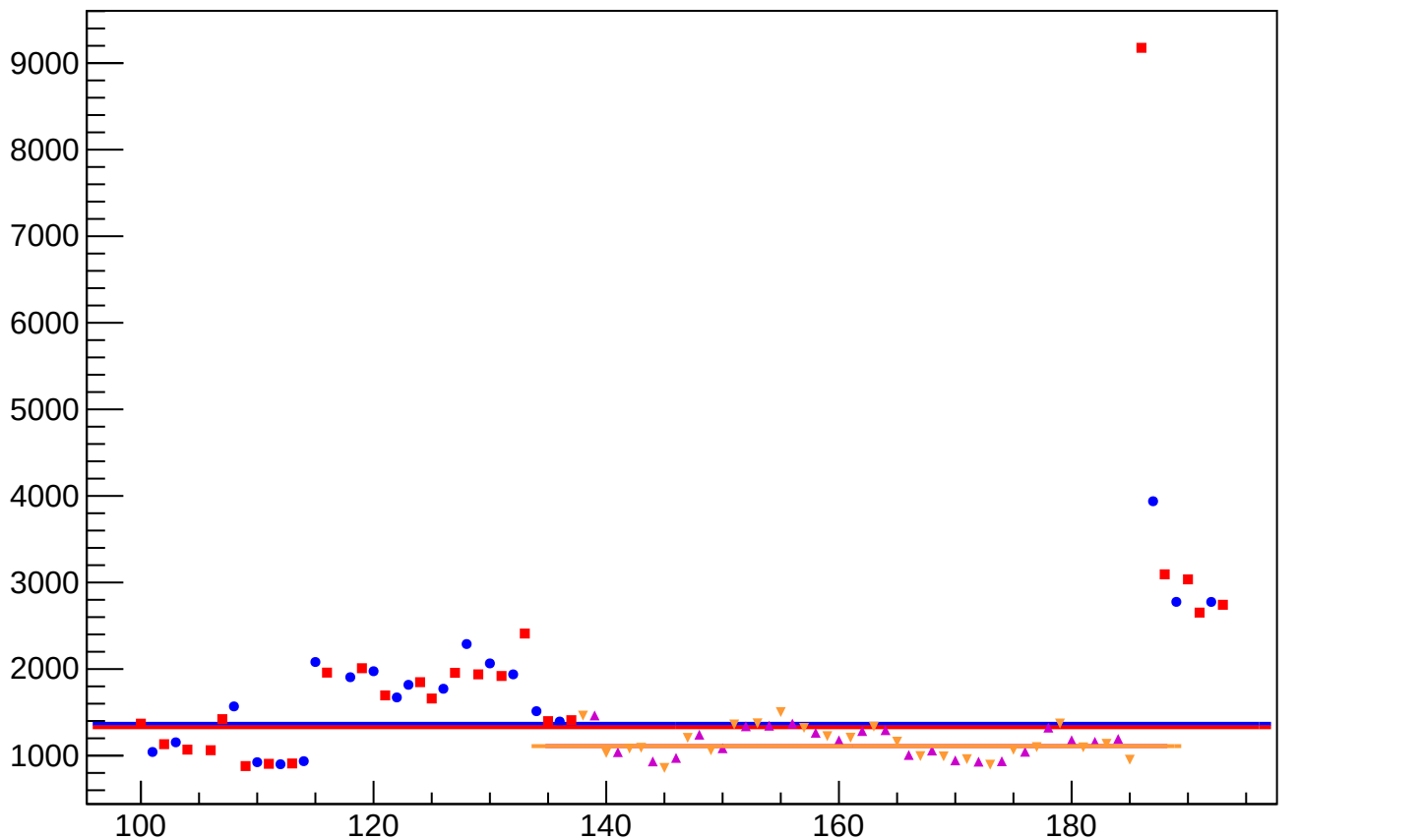
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1159.424 ± 233.417 χ^2/NDF : 82.5/44

All: 780.021 ± 165.069 χ^2/NDF : 130.6/91

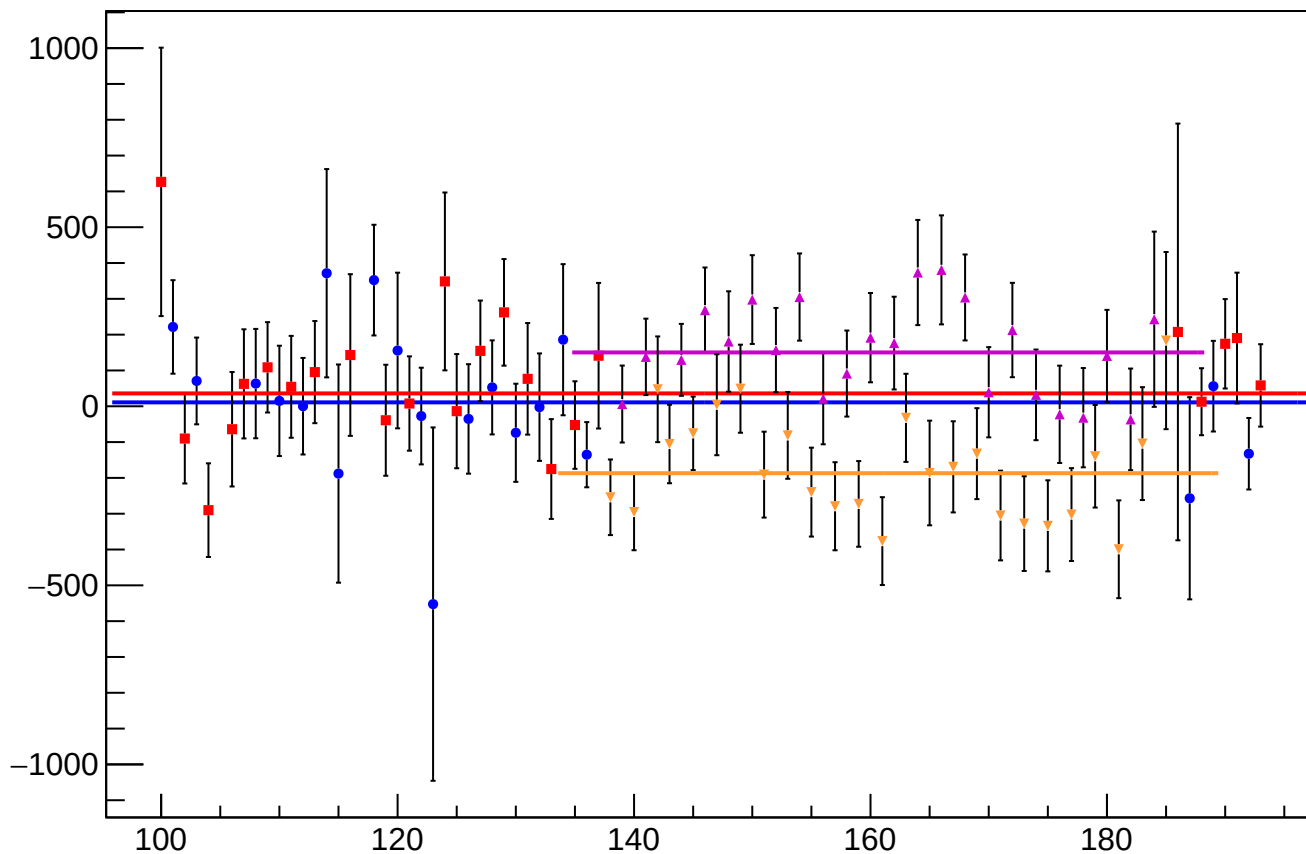
- sign 400.444 ± 233.470 χ^2/NDF : 42.8/46

asym_sam_48_avg_rms vs Slug



Right In: 1367.540+/-0.364	χ^2/NDF : 2008875.8/19	+ sign 1162.633+/-0.165	χ^2/NDF : 3218738.9/44
Left Out: 1109.761+/-0.185	χ^2/NDF : 812174.9/24	All: 1163.291+/-0.117	χ^2/NDF : 7481825.0/91
Right Out: 1327.745+/-0.333	χ^2/NDF : 3272151.8/23	- sign 1163.949+/-0.165	χ^2/NDF : 4263054.3/46
Left In: 1110.542+/-0.190	χ^2/NDF : 669928.9/22		

reg_asym_sam_15_dd_mean vs Slug



Right In: 10.917 ± 32.818 χ^2/NDF : 18.6/19

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: 35.913 ± 29.962 χ^2/NDF : 21.2/23

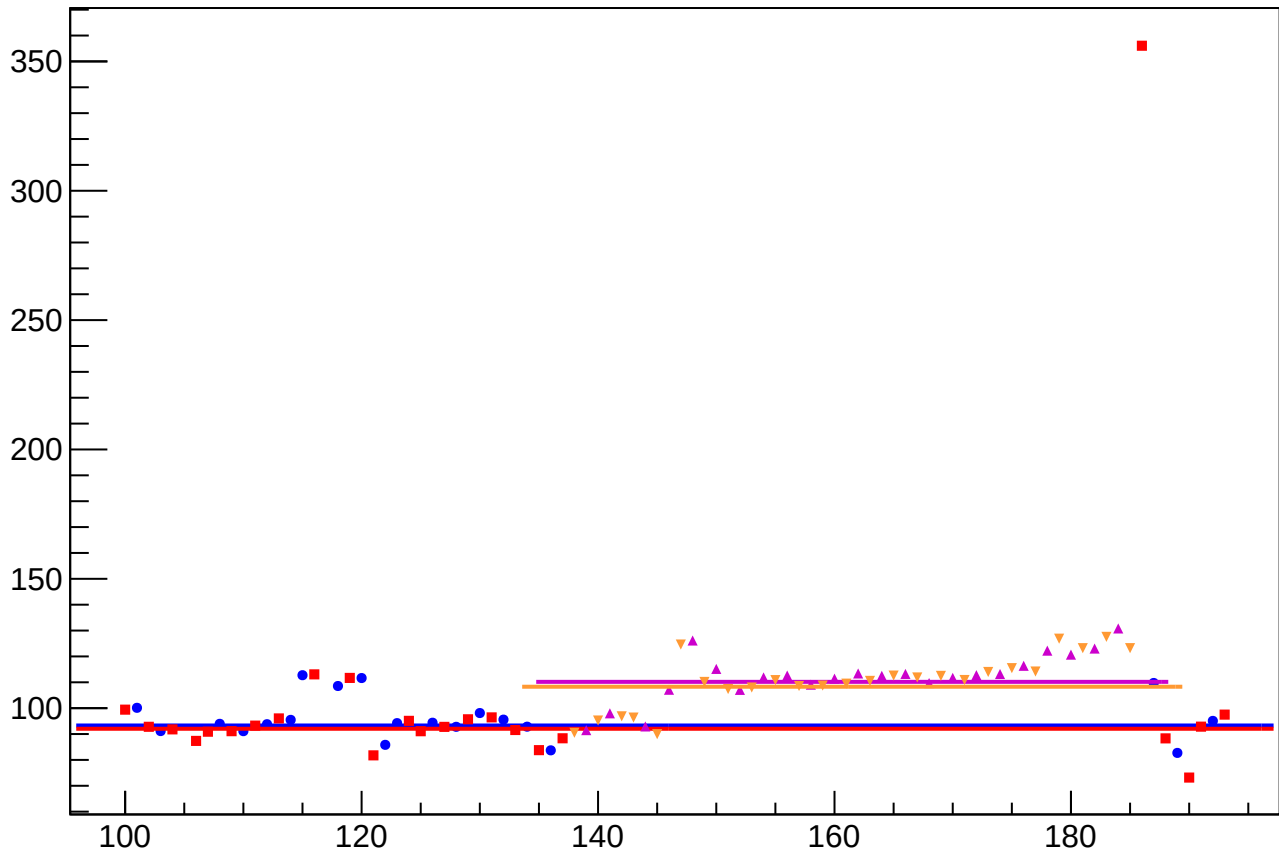
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -113.091 ± 20.041 χ^2/NDF : 68.0/44

All: -5.289 ± 14.095 χ^2/NDF : 175.2/91

- sign 100.219 ± 19.827 χ^2/NDF : 50.0/46

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.303+/-0.023 χ^2/NDF : 101501.7/19

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 92.039+/-0.021 χ^2/NDF : 544544.4/23

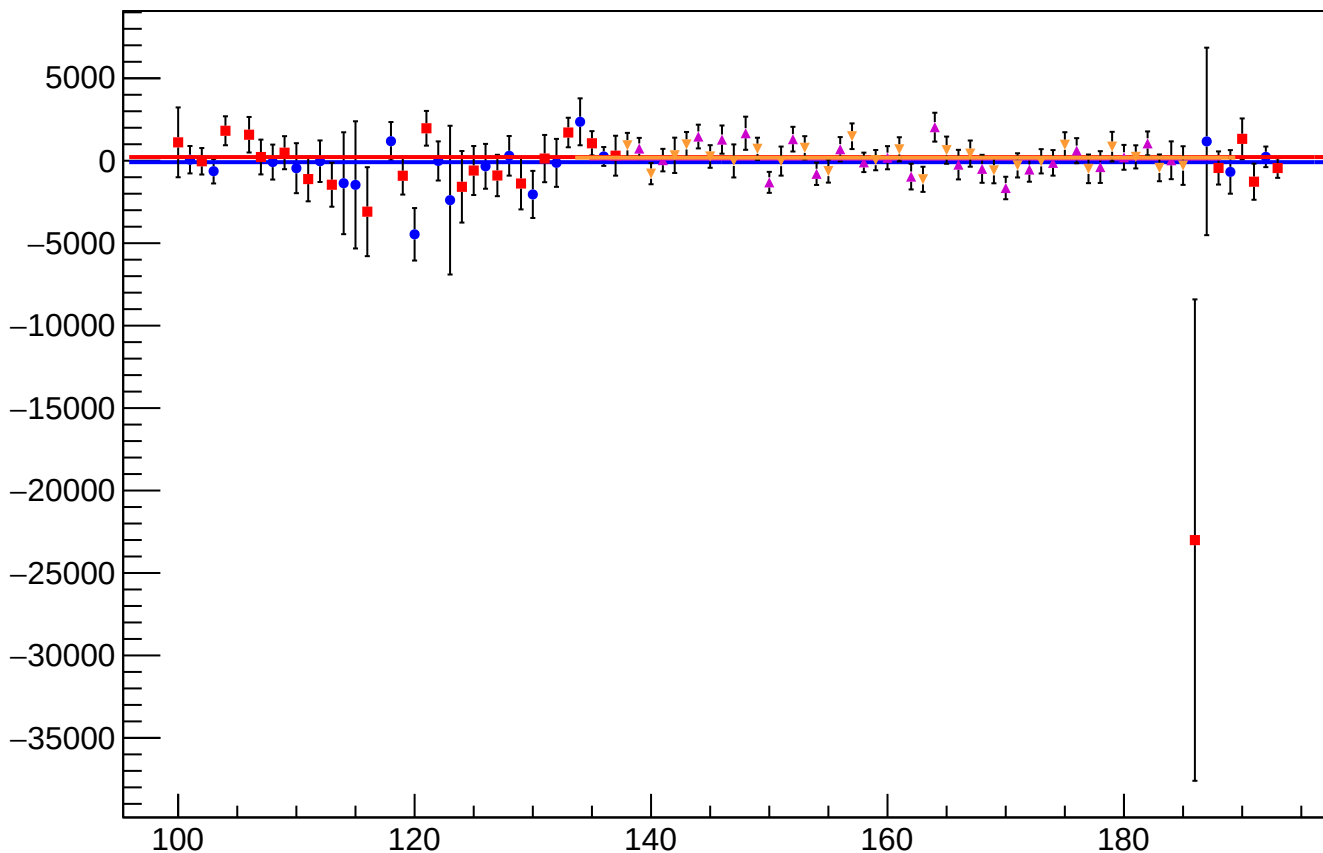
Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

+ sign 102.700+/-0.014 χ^2/NDF : 693647.1/44

All: 102.463+/-0.010 χ^2/NDF : 1897509.9/91

- sign 102.233+/-0.014 χ^2/NDF : 1203314.0/46

asym_sam_15_dd_correction_mean vs Slug



Right In: -87.254 ± 248.470 χ^2/NDF : 15.8/19

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 222.627 ± 223.495 χ^2/NDF : 26.8/23

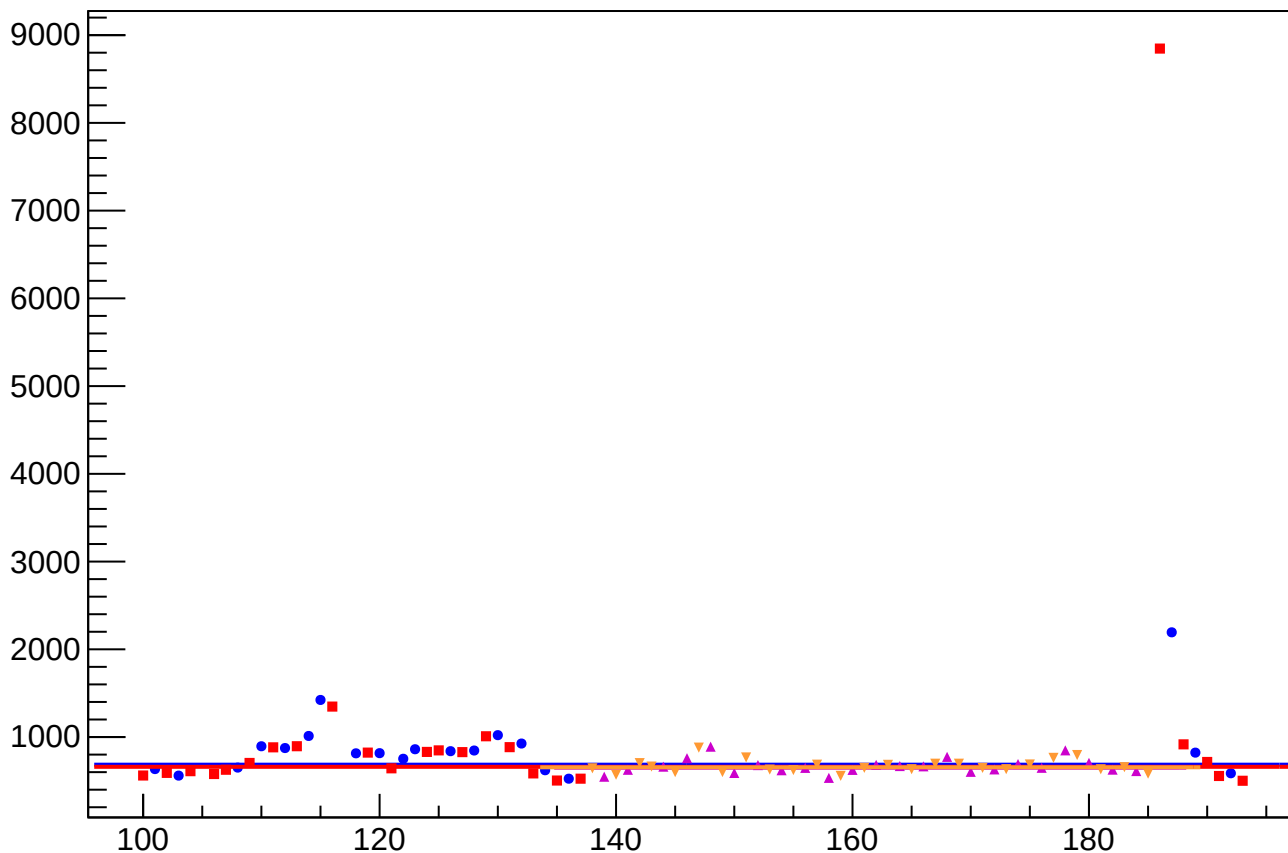
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 109.950 ± 130.702 χ^2/NDF : 35.0/44

All: 135.304 ± 91.652 χ^2/NDF : 98.2/91

- sign 159.831 ± 128.555 χ^2/NDF : 63.1/46

asym_sam_15_dd_correction_rms vs Slug



Right In: 685.134 $\pm$ 0.176 χ^2 /NDF: 891848.7/19

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 660.812 $\pm$ 0.158 χ^2 /NDF: 1609434.5/23

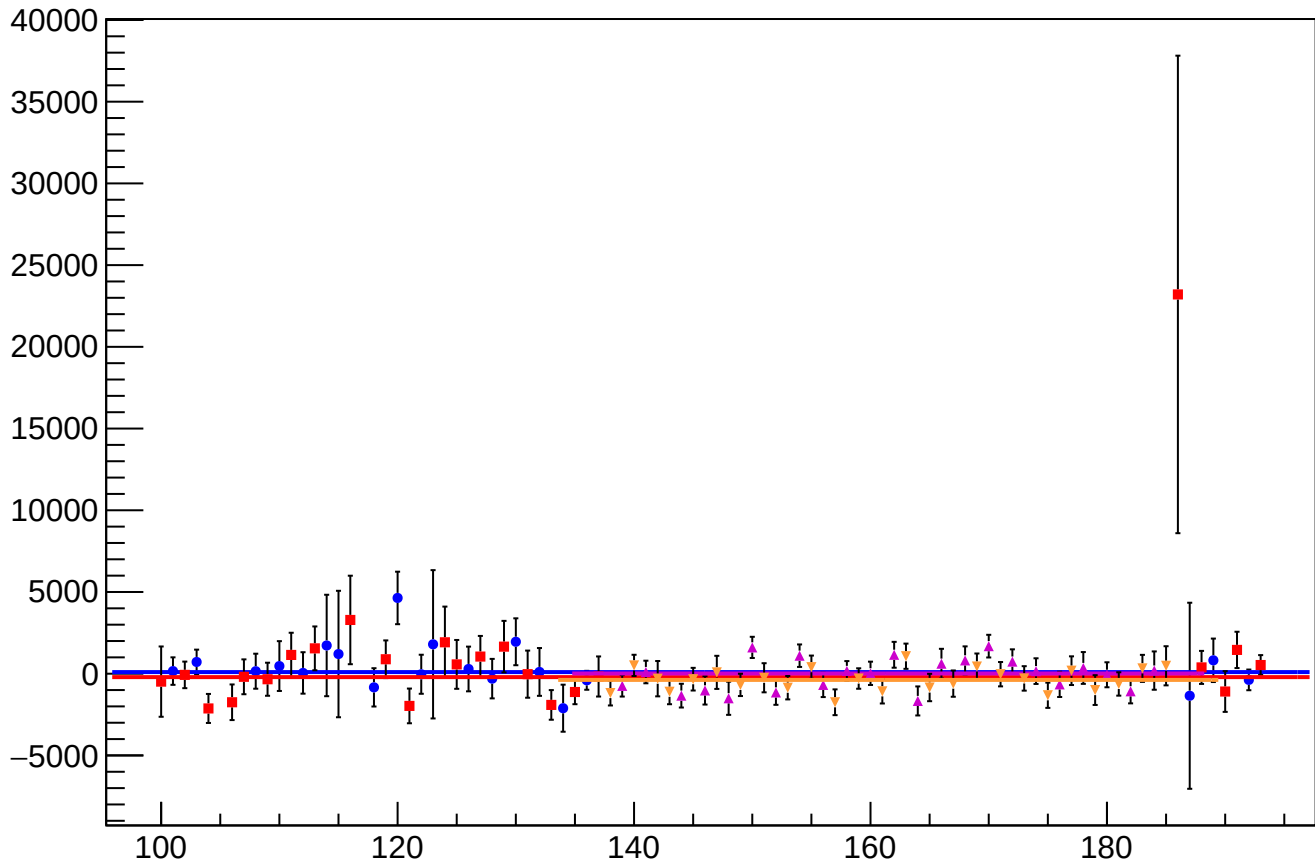
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 663.450 $\pm$ 0.092 χ^2 /NDF: 1280256.4/44

All: 658.732 $\pm$ 0.065 χ^2 /NDF: 3363576.2/91

- sign 654.168 $\pm$ 0.091 χ^2 /NDF: 2078192.5/46

asym_sam_15_dd_mean vs Slug



Right In: 98.673+/-251.066 χ^2/NDF : 15.7/19

Left Out: -379.470+/-155.892 χ^2/NDF : 18.8/24

Right Out: -208.967+/-226.032 χ^2/NDF : 30.5/23

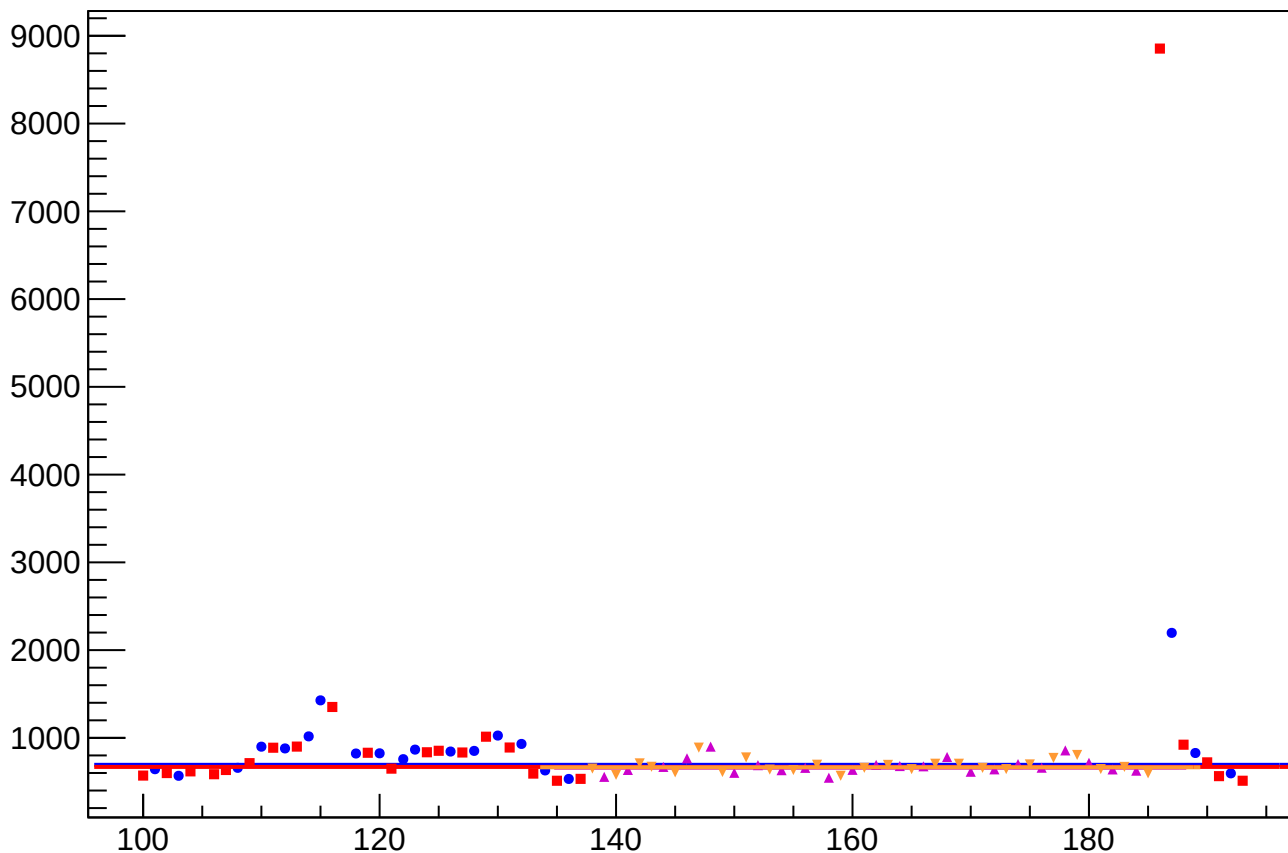
Left In: 14.768+/-159.513 χ^2/NDF : 37.2/22

+ sign -246.422+/-132.439 χ^2/NDF : 37.1/44

All: -151.517+/-92.893 χ^2/NDF : 106.5/91

- sign -59.614+/-130.328 χ^2/NDF : 68.4/46

asym_sam_15_dd_rms vs Slug



Right In: 692.885 $\pm$ 0.178 χ^2 /NDF: 870190.7/19

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 669.078 $\pm$ 0.160 χ^2 /NDF: 1577635.3/23

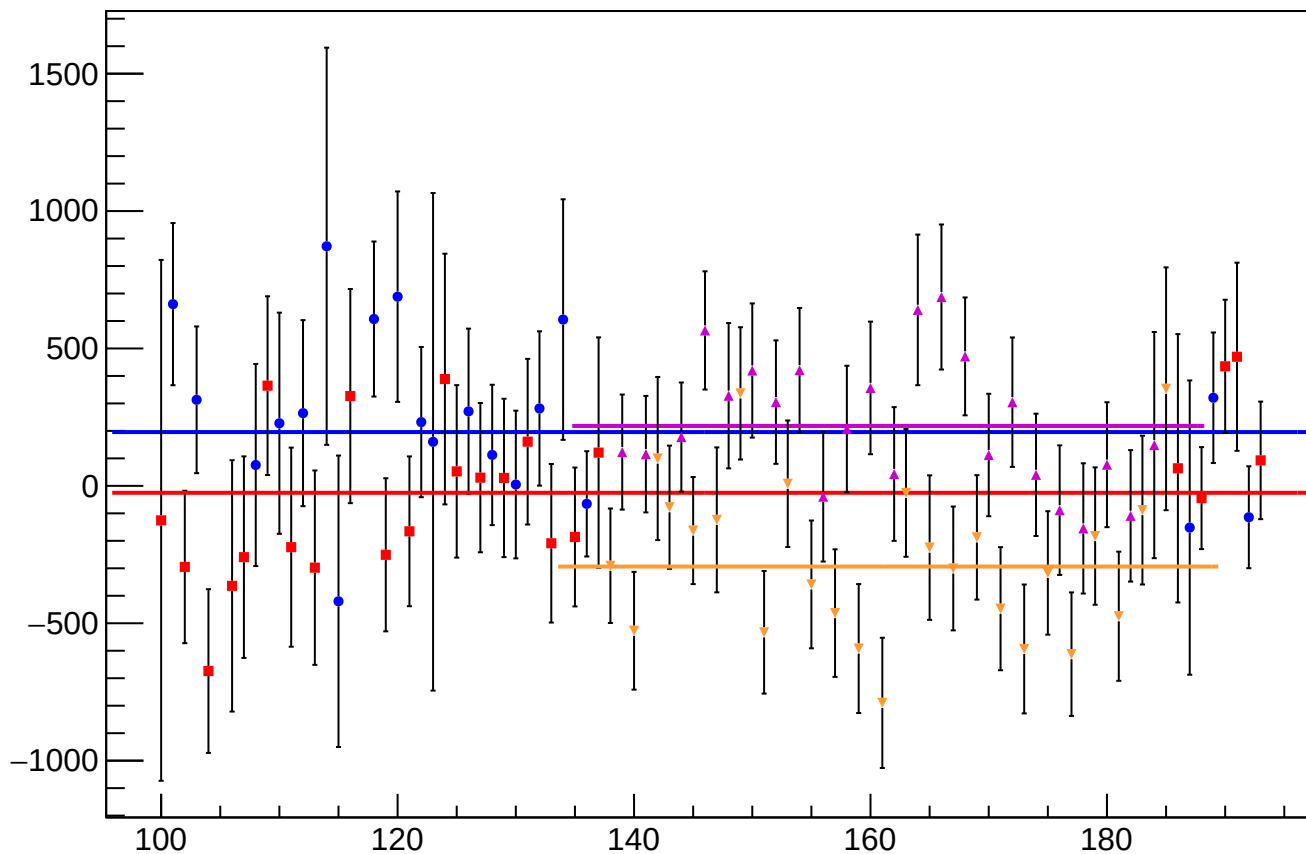
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 672.595 $\pm$ 0.094 χ^2 /NDF: 1245342.6/44

All: 668.032 $\pm$ 0.066 χ^2 /NDF: 3278583.9/91

- sign 663.612 $\pm$ 0.092 χ^2 /NDF: 2028567.0/46

reg_asym_sam_26_dd_mean vs Slug



Right In: 195.754 $\pm$ 66.976 χ^2 /NDF: 15.9/19

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: -25.120 $\pm$ 61.874 χ^2 /NDF: 19.1/23

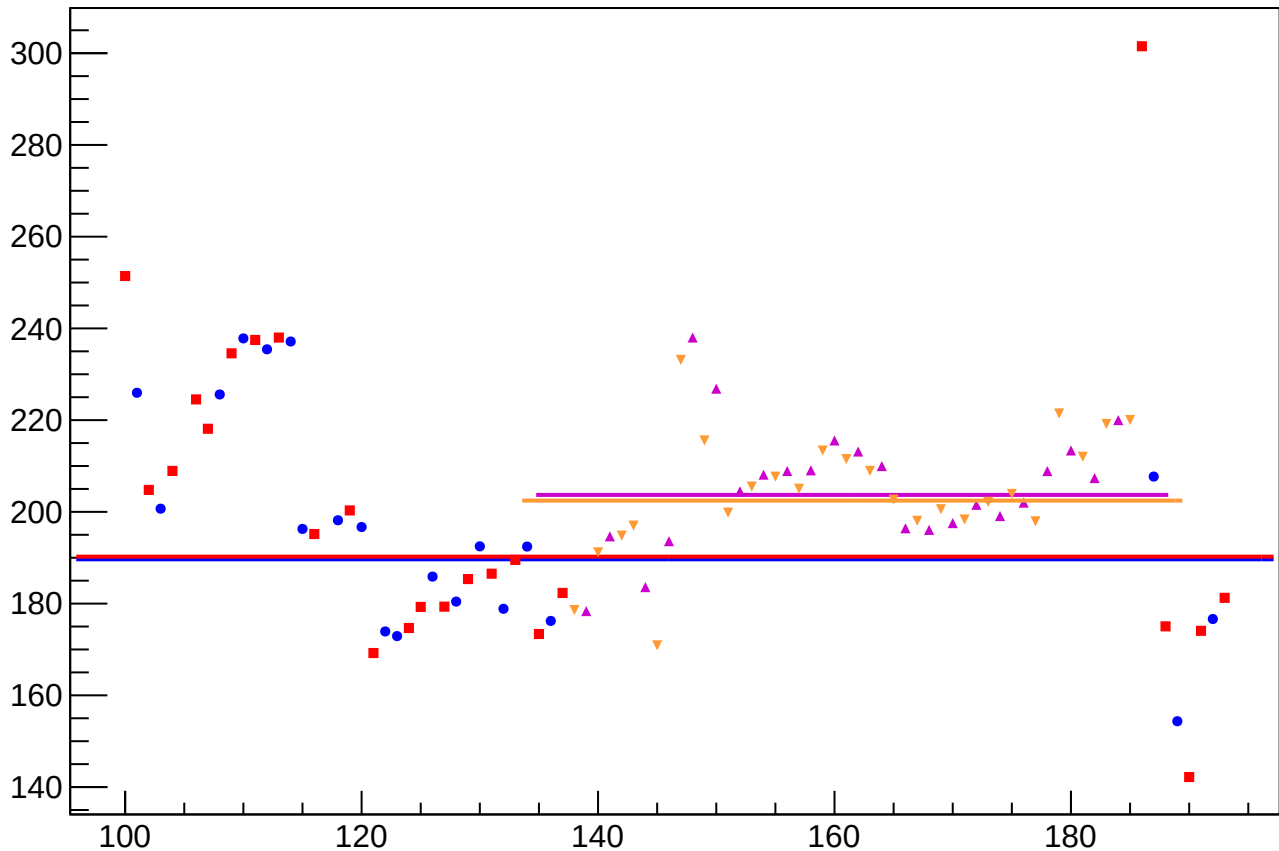
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -131.196 $\pm$ 38.583 χ^2 /NDF: 81.8/44

All: -2.392 $\pm$ 27.191 χ^2 /NDF: 153.9/91

- sign 124.698 $\pm$ 38.326 χ^2 /NDF: 49.9/46

reg_asym_sam_26_dd_rms vs Slug



Right In: 189.655 ± 0.047 χ^2/NDF : 209065.0/19

Left Out: 202.459 ± 0.033 χ^2/NDF : 158582.3/24

Right Out: 190.239 ± 0.044 χ^2/NDF : 389495.4/23

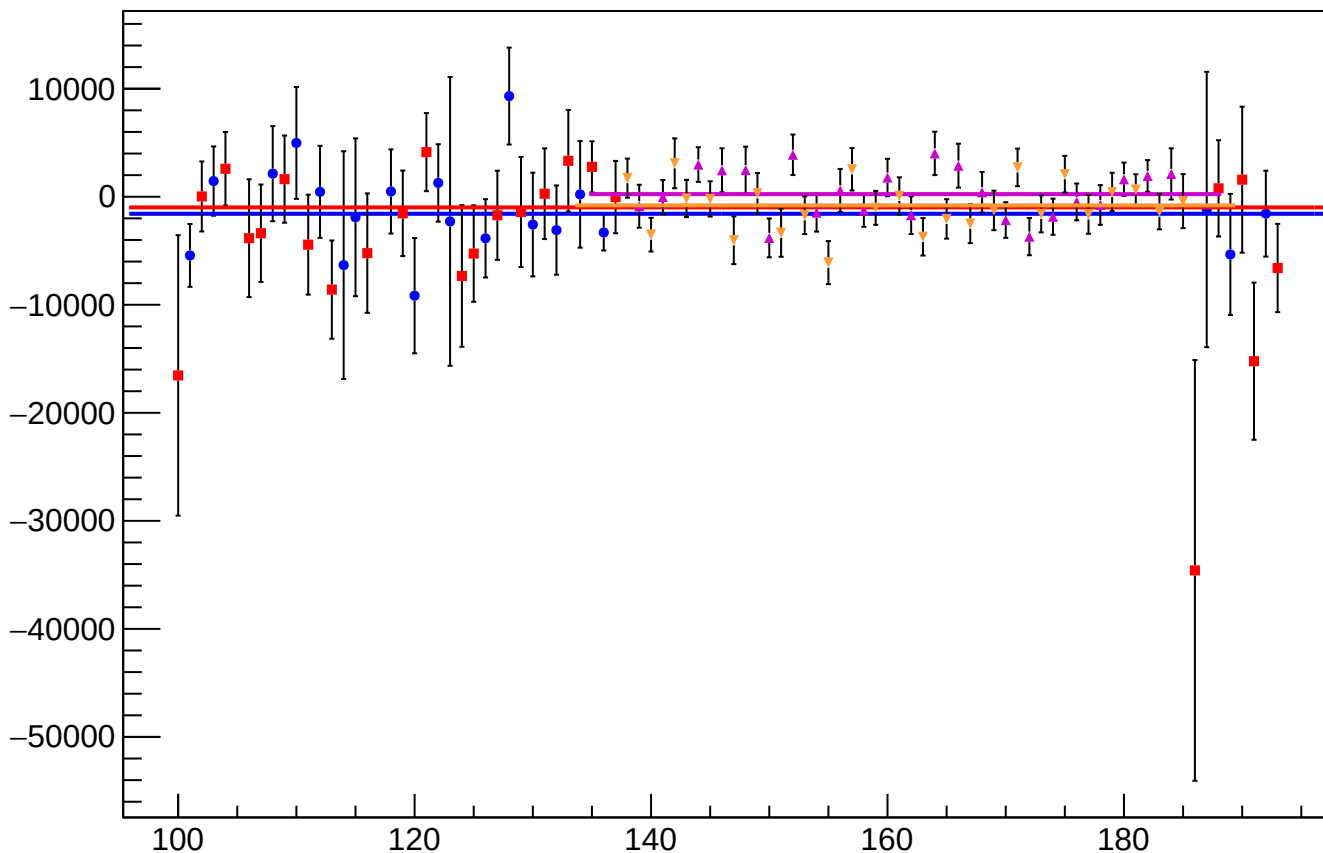
Left In: 203.699 ± 0.035 χ^2/NDF : 136193.4/22

+ sign 198.210 ± 0.027 χ^2/NDF : 416477.9/44

All: 198.373 ± 0.019 χ^2/NDF : 1000572.3/91

- sign 198.534 ± 0.027 χ^2/NDF : 584023.1/46

asym_sam_26_dd_correction_mean vs Slug



Right In: -1577.744 ± 876.371 χ^2/NDF : 16.5/19

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -984.865 ± 879.133 χ^2/NDF : 24.0/23

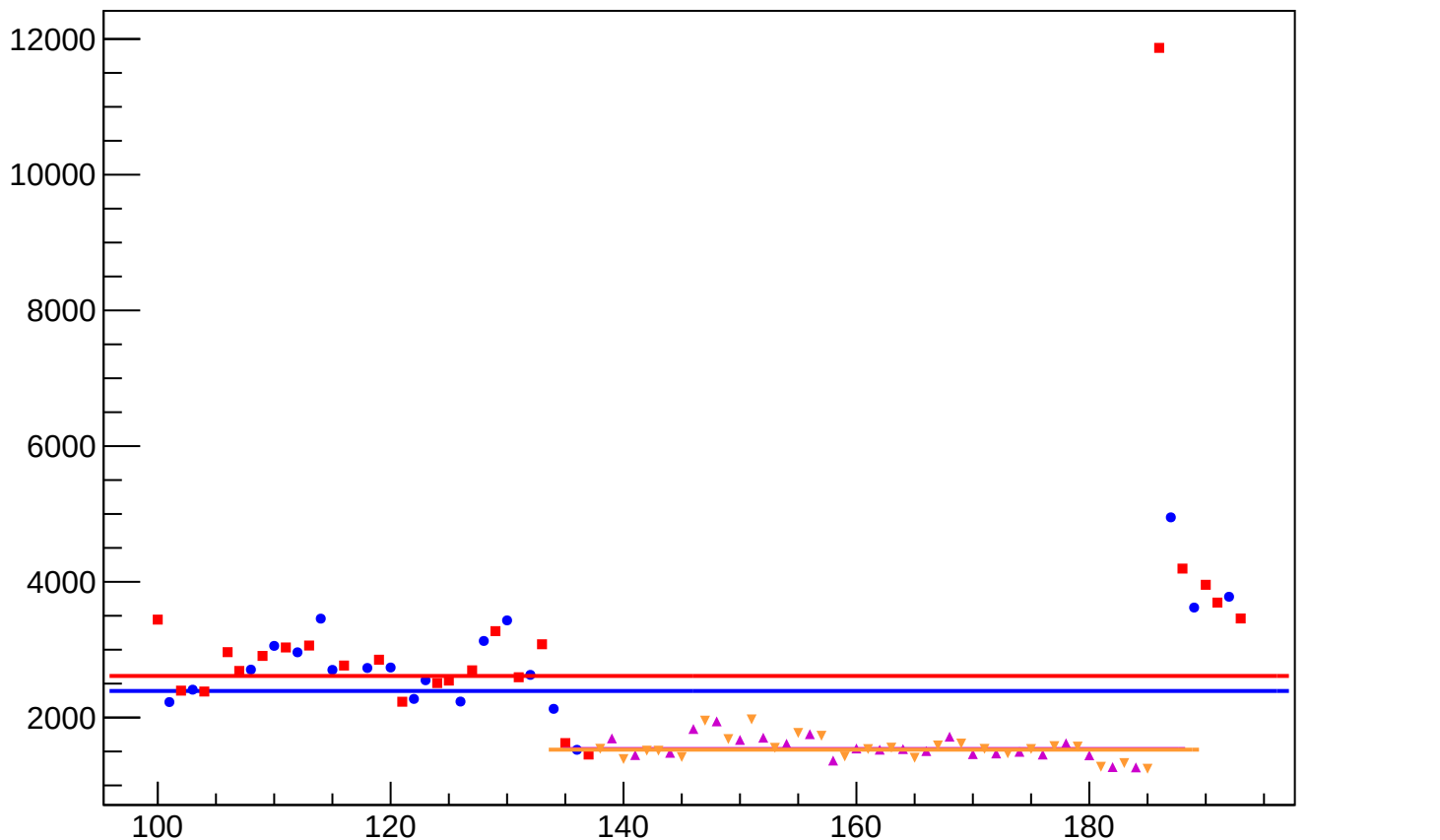
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -908.170 ± 331.296 χ^2/NDF : 52.9/44

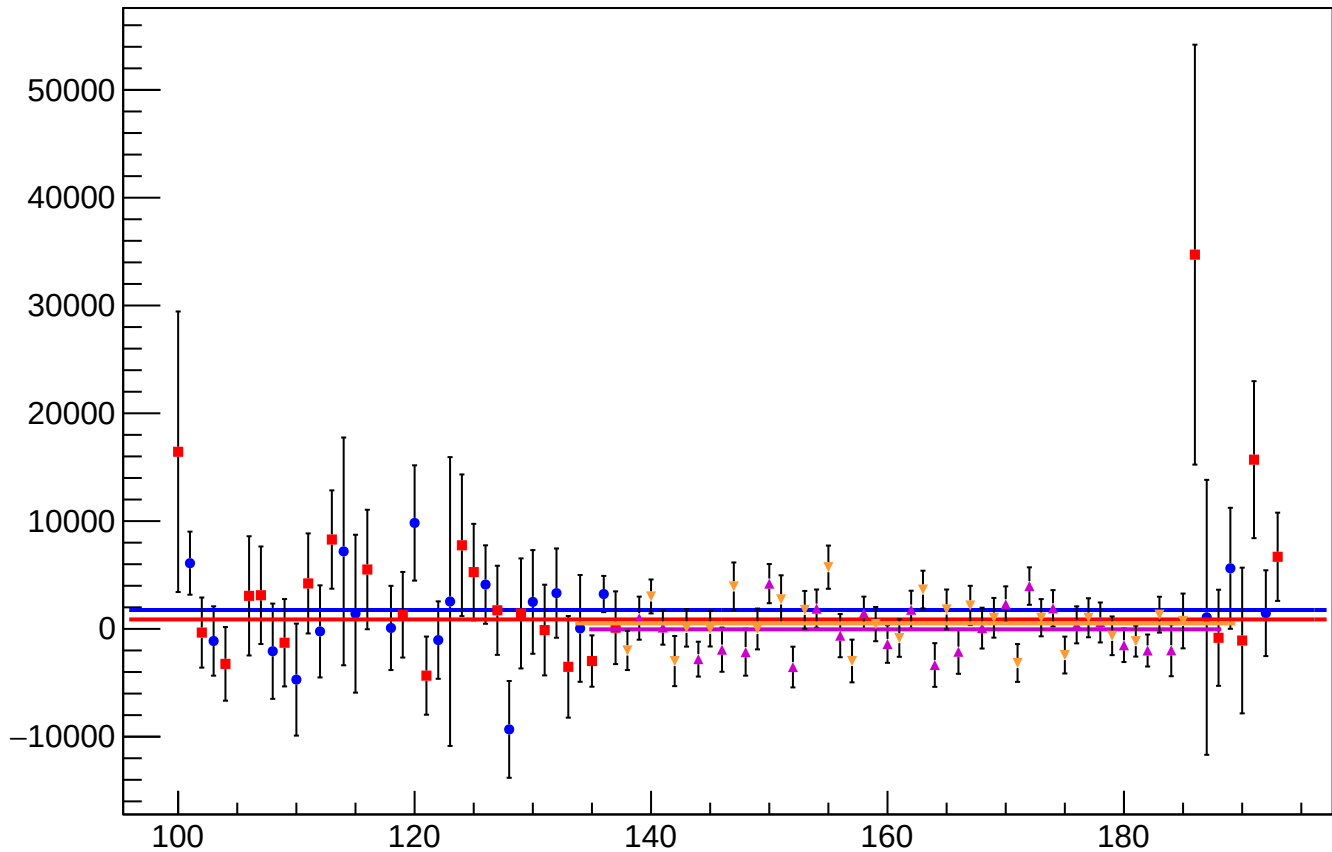
All: -437.852 ± 237.587 χ^2/NDF : 118.4/91

- sign 60.151 ± 340.907 χ^2/NDF : 61.4/46

asym_sam_26_dd_correction_rms vs Slug



asym_sam_26_dd_mean vs Slug



Right In: 1752.598 $\pm$ 880.013 χ^2 /NDF: 16.9/19

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 877.938 $\pm$ 882.407 χ^2 /NDF: 24.8/23

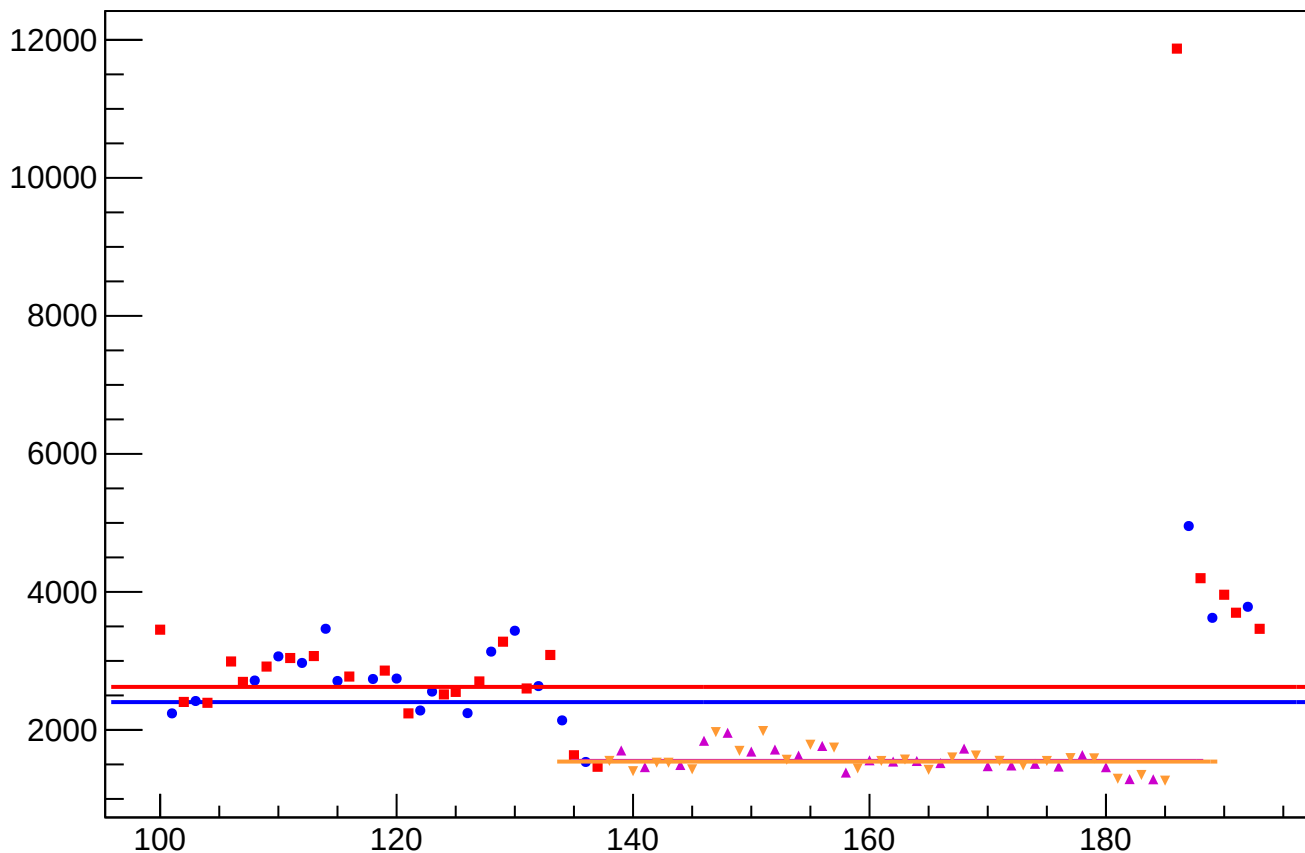
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 687.405 $\pm$ 334.126 χ^2 /NDF: 54.0/44

All: 401.694 $\pm$ 239.600 χ^2 /NDF: 114.8/91

- sign 99.252 $\pm$ 343.770 χ^2 /NDF: 59.3/46

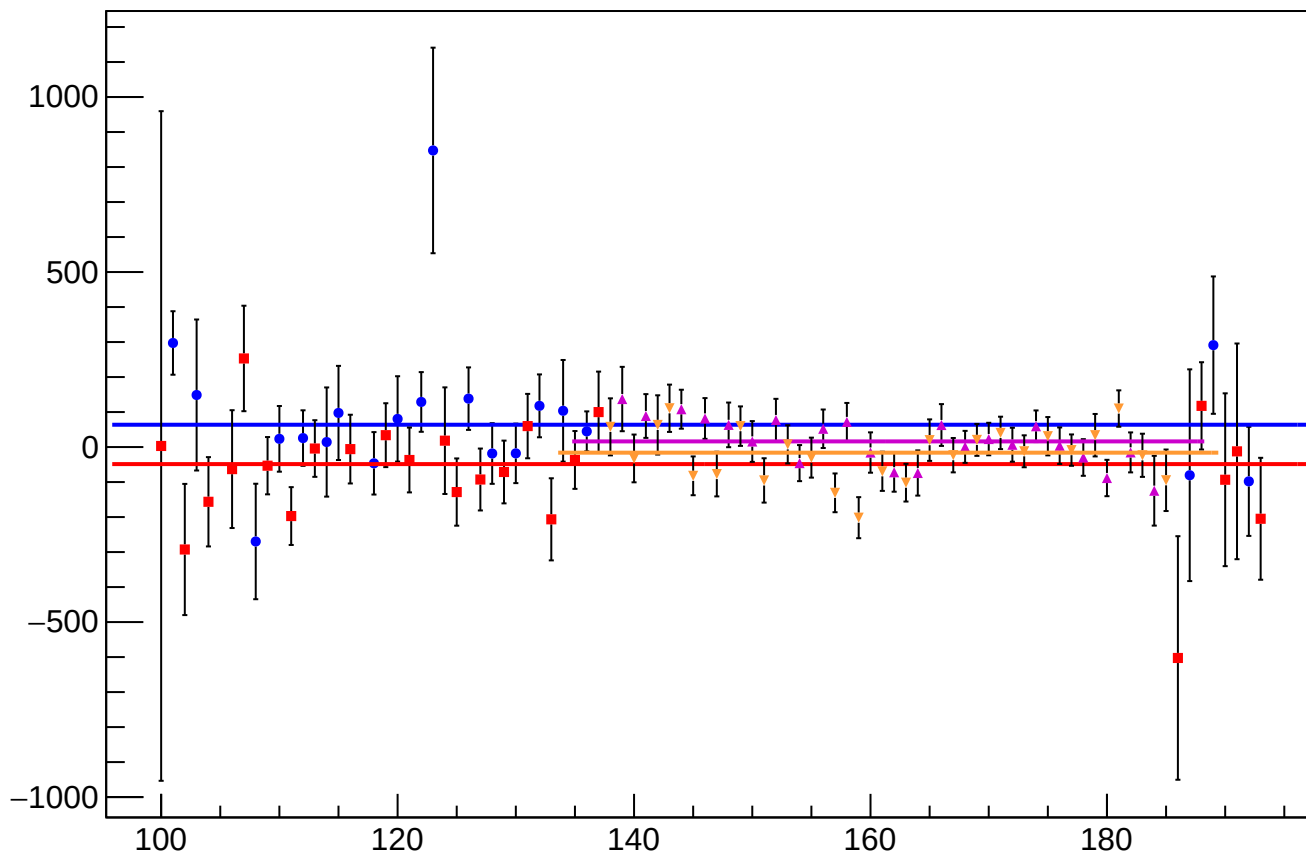
asym_sam_26_dd_rms vs Slug



Right In: 2403.180 ± 0.622 $\chi^2/\text{NDF}: 1244497.3/19$
 Left Out: 1541.258 ± 0.255 $\chi^2/\text{NDF}: 382045.4/24$
 Right Out: 2623.366 ± 0.624 $\chi^2/\text{NDF}: 1655364.9/23$
 Left In: 1551.063 ± 0.264 $\chi^2/\text{NDF}: 338898.9/22$

+ sign 1665.513 ± 0.236 $\chi^2/\text{NDF}: 3268569.8/44$
 All: 1688.975 ± 0.169 $\chi^2/\text{NDF}: 7788309.4/91$
 - sign 1713.812 ± 0.243 $\chi^2/\text{NDF}: 4499438.5/46$

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.763 ± 23.285 $\chi^2/\text{NDF}: 26.4/19$

Left Out: -16.049 ± 11.340 $\chi^2/\text{NDF}: 39.7/24$

Right Out: -48.678 ± 22.893 $\chi^2/\text{NDF}: 22.2/23$

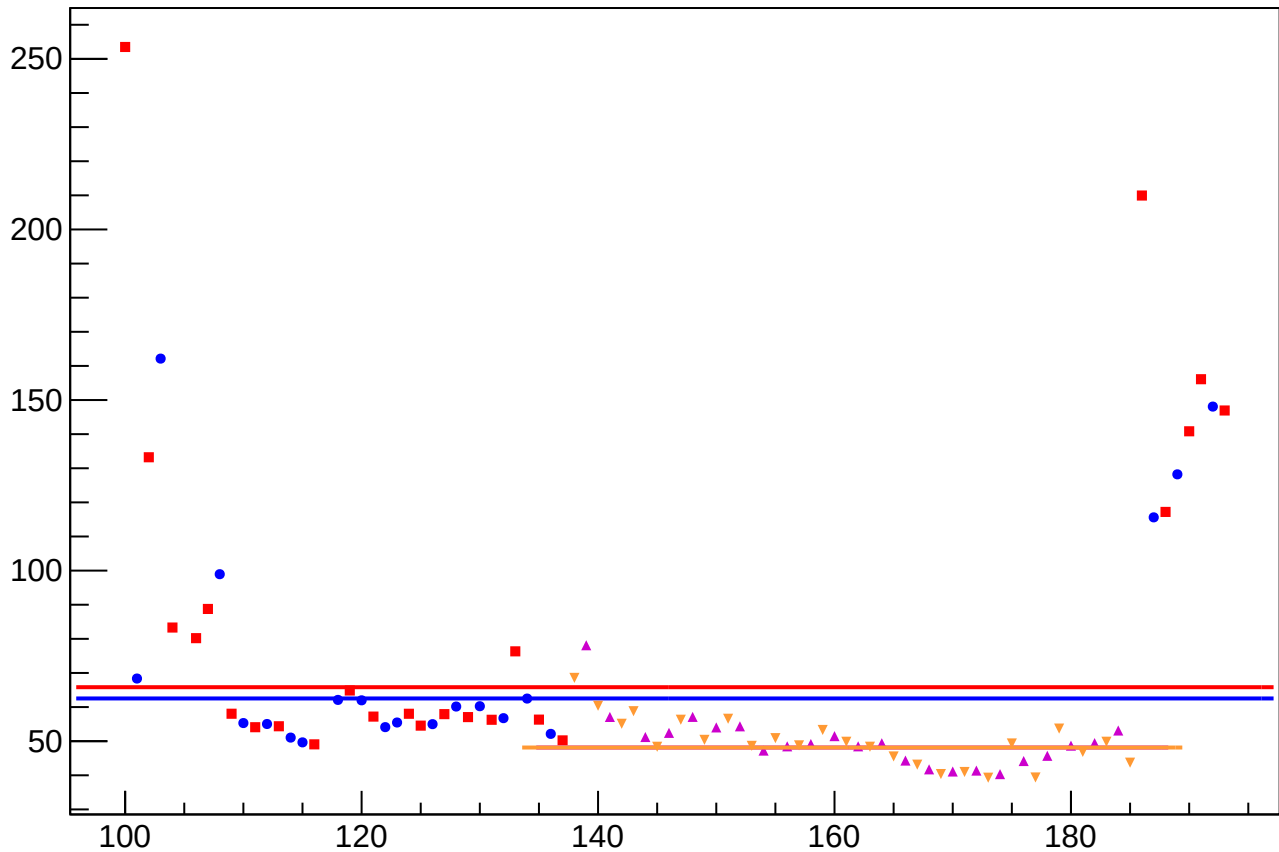
Left In: 16.162 ± 11.649 $\chi^2/\text{NDF}: 25.2/22$

+ sign -0.748 ± 10.195 $\chi^2/\text{NDF}: 75.6/44$

All: 1.006 ± 7.274 $\chi^2/\text{NDF}: 129.5/91$

- sign 2.825 ± 10.382 $\chi^2/\text{NDF}: 53.8/46$

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.525 $\pm$ 0.016 χ^2 /NDF: 1592154.6/19

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 65.824 $\pm$ 0.016 χ^2 /NDF: 2249700.3/23

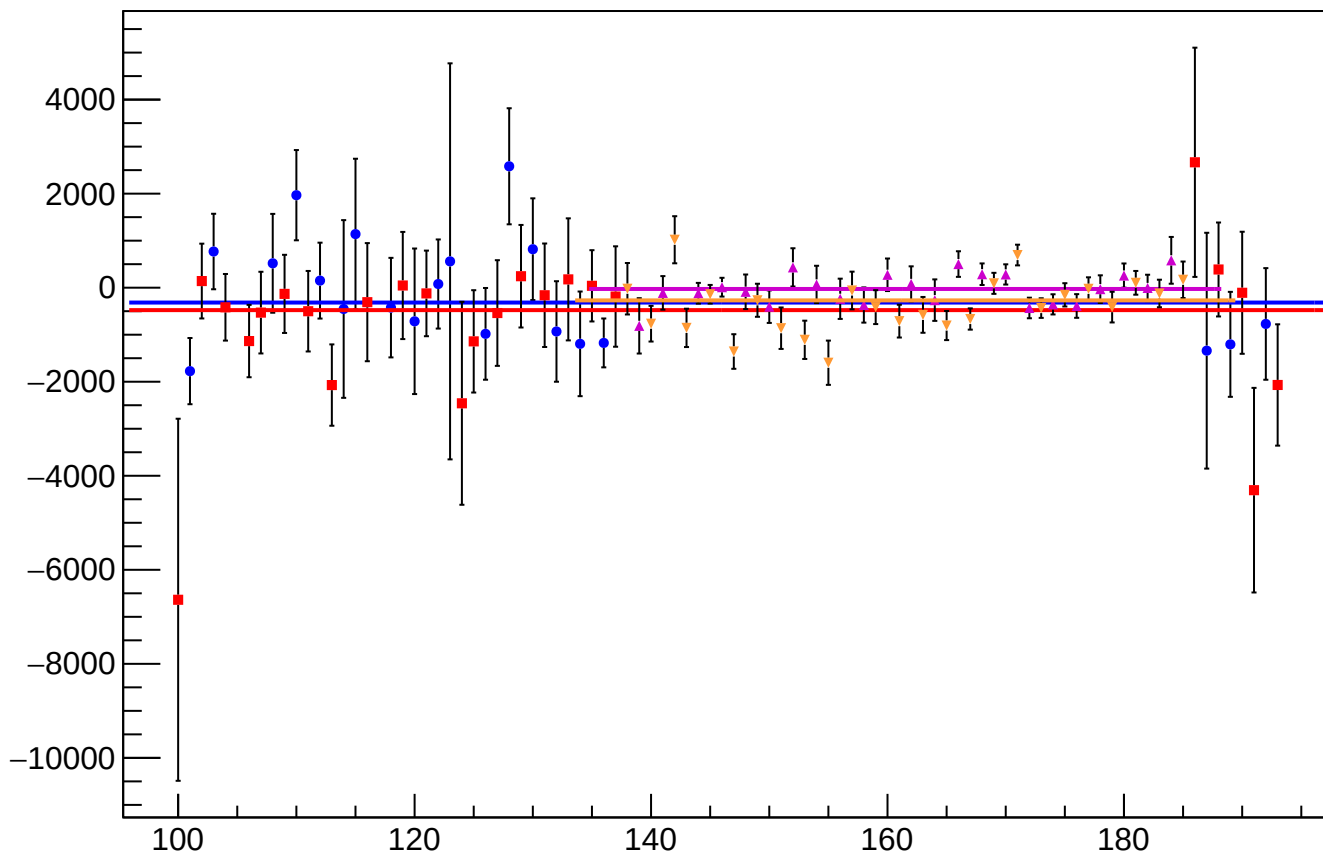
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 50.898 $\pm$ 0.007 χ^2 /NDF: 2864303.2/44

All: 51.329 $\pm$ 0.005 χ^2 /NDF: 6644396.6/91

- sign 51.777 $\pm$ 0.007 χ^2 /NDF: 3772803.1/46

asym_sam_37_dd_correction_mean vs Slug



Right In: -316.195 ± 224.382 χ^2/NDF : 25.6/19

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -477.196 ± 209.792 χ^2/NDF : 17.5/23

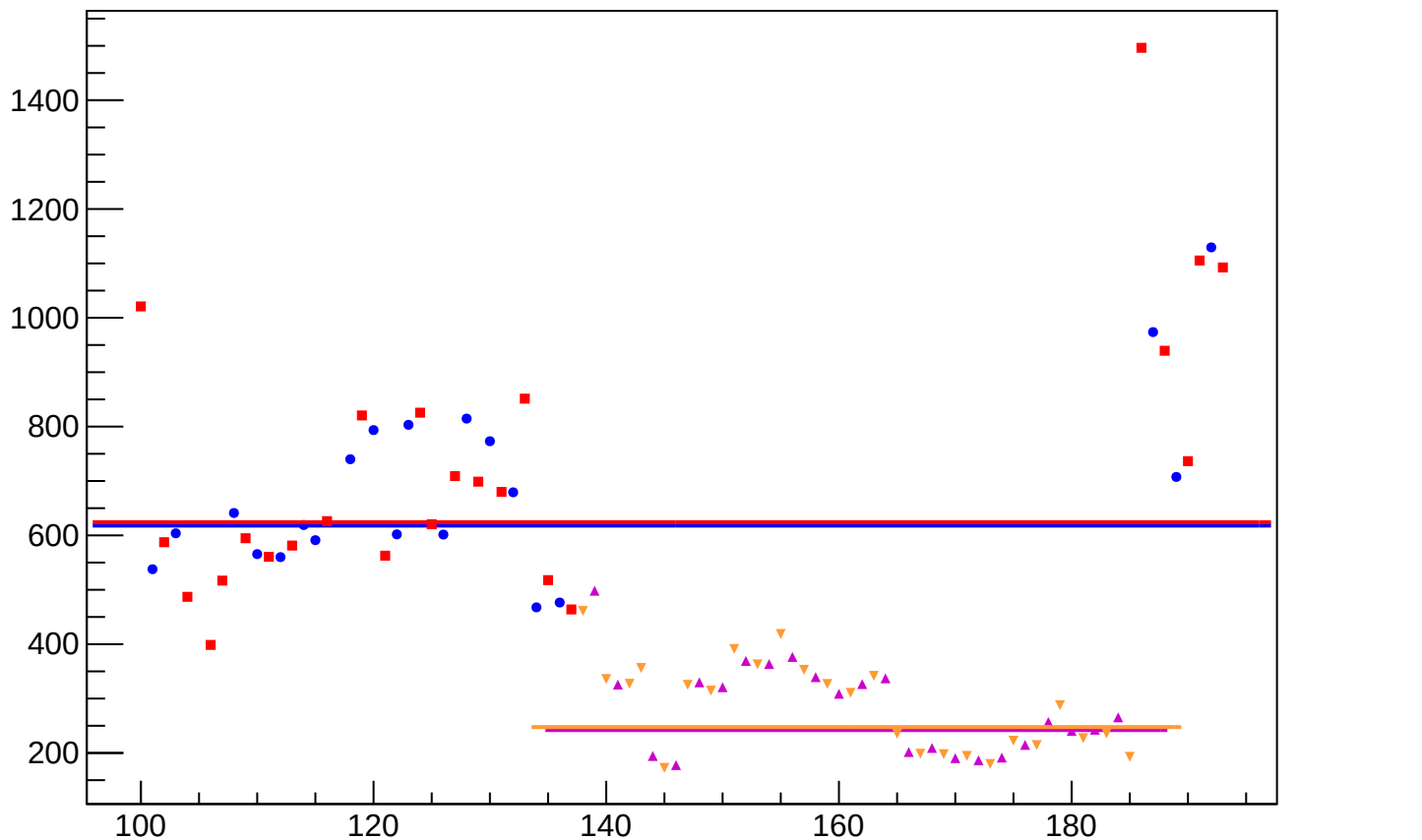
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -273.299 ± 58.123 χ^2/NDF : 95.7/44

All: -167.422 ± 41.080 χ^2/NDF : 149.2/91

- sign -61.742 ± 58.069 χ^2/NDF : 46.8/46

asym_sam_37_dd_correction_rms vs Slug



Right In: 618.015+/-0.159 χ^2/NDF : 809196.6/19

Left Out: 247.570+/-0.043 χ^2/NDF : 2780931.0/24

Right Out: 624.213+/-0.148 χ^2/NDF : 1410349.1/23

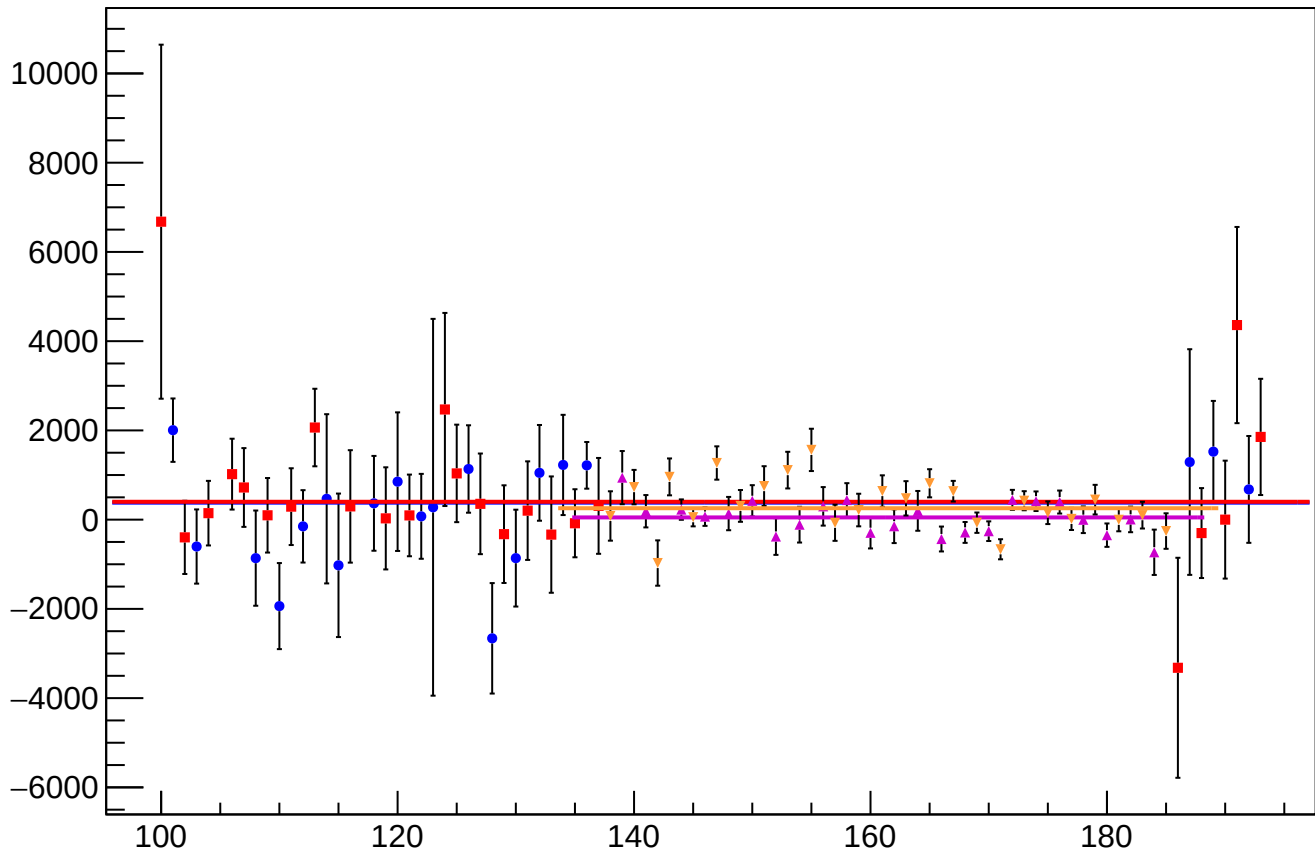
Left In: 242.117+/-0.043 χ^2/NDF : 2466108.9/22

+ sign 272.427+/-0.041 χ^2/NDF : 8675673.3/44

All: 271.909+/-0.029 χ^2/NDF : 18678491.6/90

- sign 271.391+/-0.041 χ^2/NDF : 10002500.0/46

asym_sam_37_dd_mean vs Slug



Right In: 381.197+/-226.380 χ^2/NDF : 27.8/19

Left Out: 255.995+/-61.418 χ^2/NDF : 63.6/24

Right Out: 400.584+/-212.193 χ^2/NDF : 18.1/23

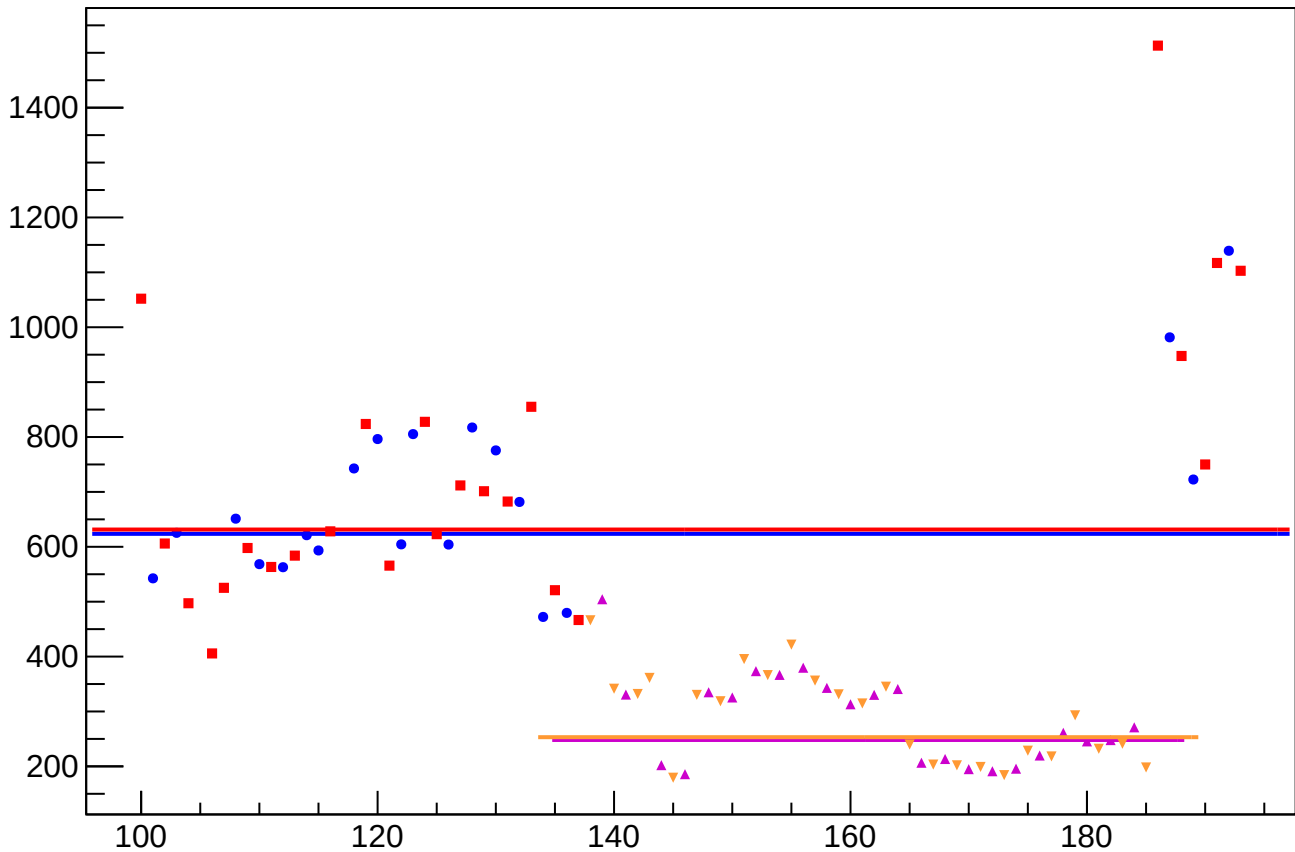
Left In: 49.832+/-61.781 χ^2/NDF : 27.5/22

+ sign 264.579+/-59.276 χ^2/NDF : 91.7/44

All: 170.978+/-41.929 χ^2/NDF : 144.9/91

- sign 77.242+/-59.318 χ^2/NDF : 48.2/46

asym_sam_37_dd_rms vs Slug



Right In: 623.604 $\pm$ 0.160 χ^2 /NDF: 809306.4/19

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 631.466 $\pm$ 0.150 χ^2 /NDF: 1387879.6/23

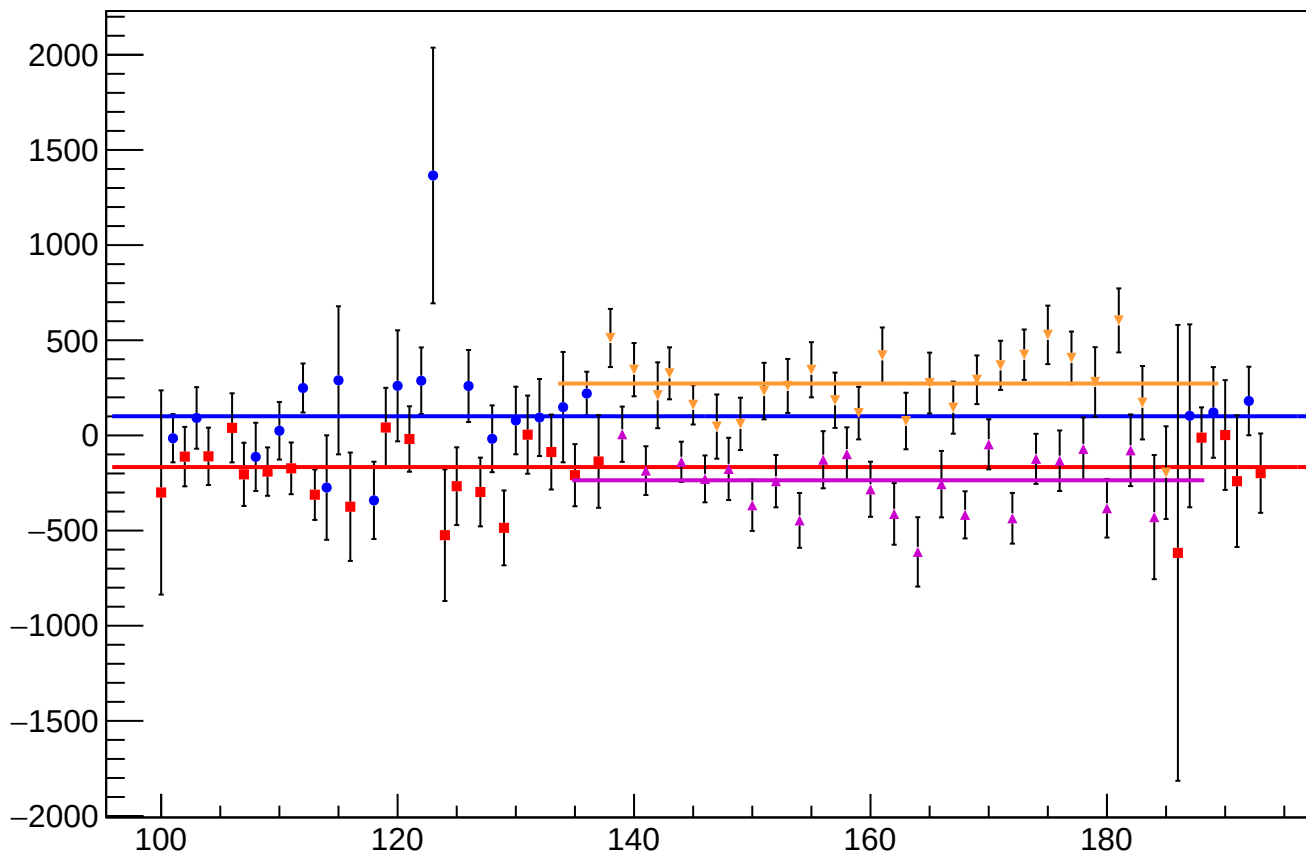
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 278.536 $\pm$ 0.042 χ^2 /NDF: 8464212.1/44

All: 278.283 $\pm$ 0.030 χ^2 /NDF: 18214513.5/9

- sign 278.030 $\pm$ 0.042 χ^2 /NDF: 9750228.4/46

reg_asym_sam_48_dd_mean vs Slug



Right In: 100.655 $\pm$ 41.390 χ^2 /NDF: 18.2/19

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF: 27.4/24

Right Out: -166.350 $\pm$ 38.543 χ^2 /NDF: 12.1/23

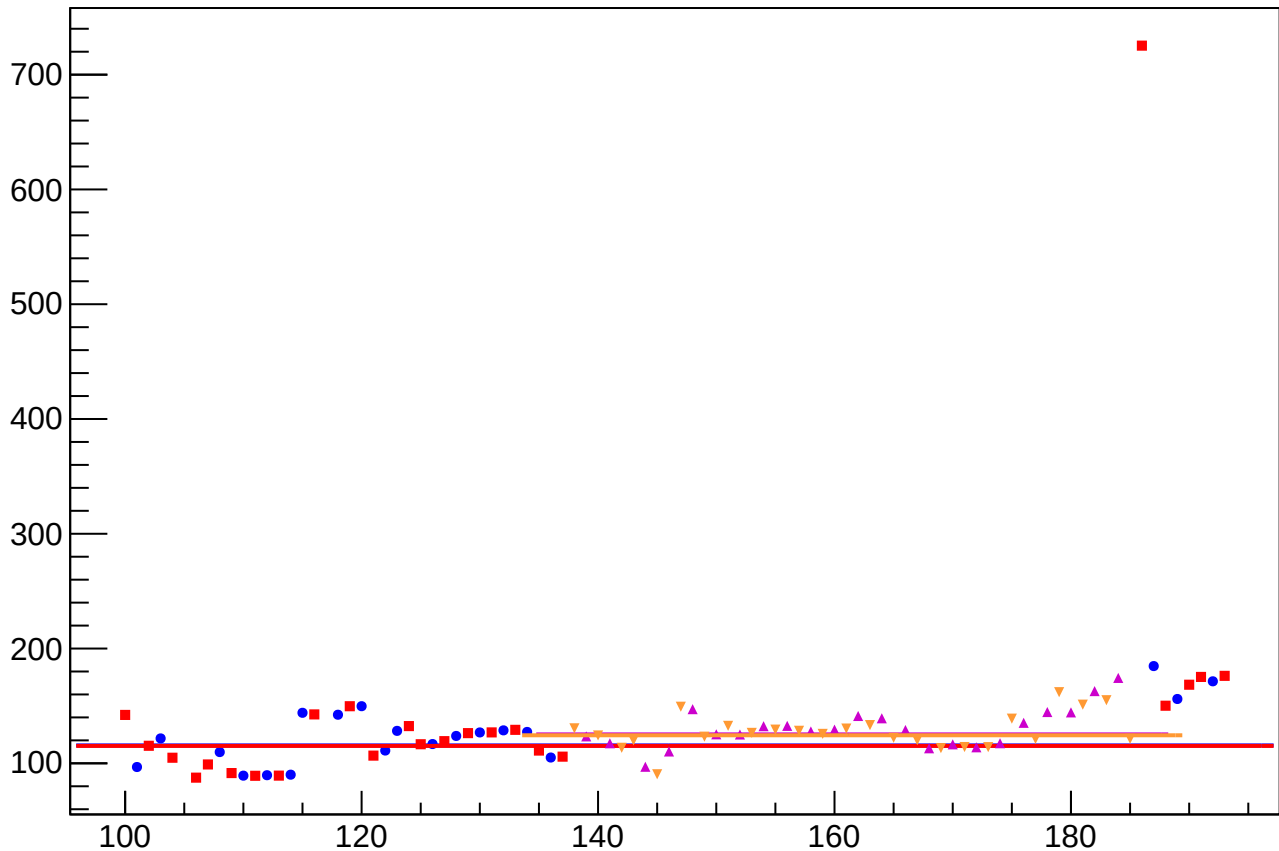
Left In: -235.801 $\pm$ 30.232 χ^2 /NDF: 24.6/22

+ sign 215.461 $\pm$ 23.871 χ^2 /NDF: 57.1/44

All: 2.307 $\pm$ 16.850 χ^2 /NDF: 254.7/91

- sign -209.348 $\pm$ 23.787 χ^2 /NDF: 38.7/46

reg_asym_sam_48_dd_rms vs Slug



Right In: 115.586 $\pm$ 0.029 χ^2 /NDF: 615529.2/19

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 115.169 $\pm$ 0.027 χ^2 /NDF: 1326254.3/23

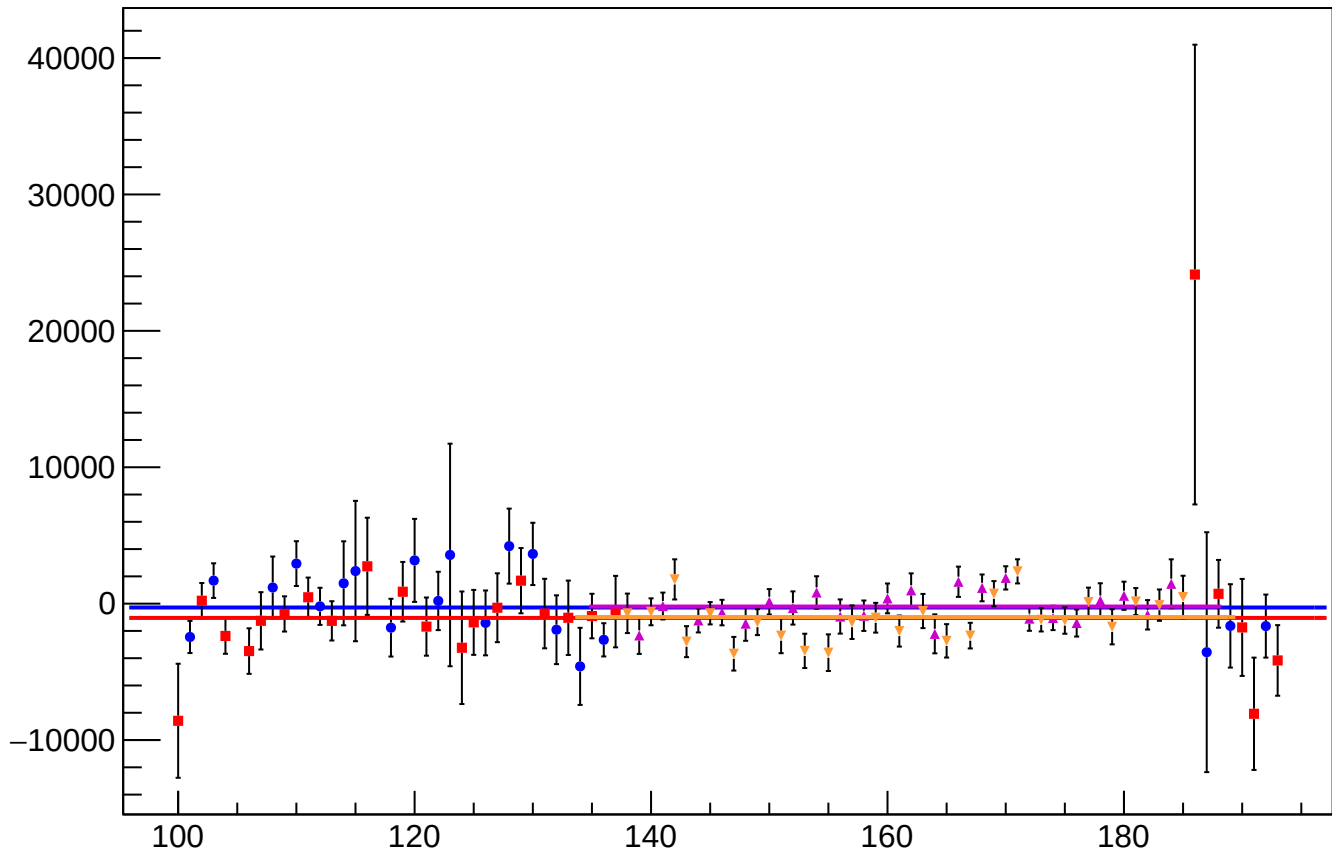
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 121.487 $\pm$ 0.017 χ^2 /NDF: 1216177.9/44

All: 121.435 $\pm$ 0.012 χ^2 /NDF: 3127795.2/91

- sign 121.382 $\pm$ 0.017 χ^2 /NDF: 1911597.9/46

asym_sam_48_dd_correction_mean vs Slug



Right In: -282.633 ± 450.962 χ^2/NDF : 25.8/19

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1046.172 ± 418.194 χ^2/NDF : 19.4/23

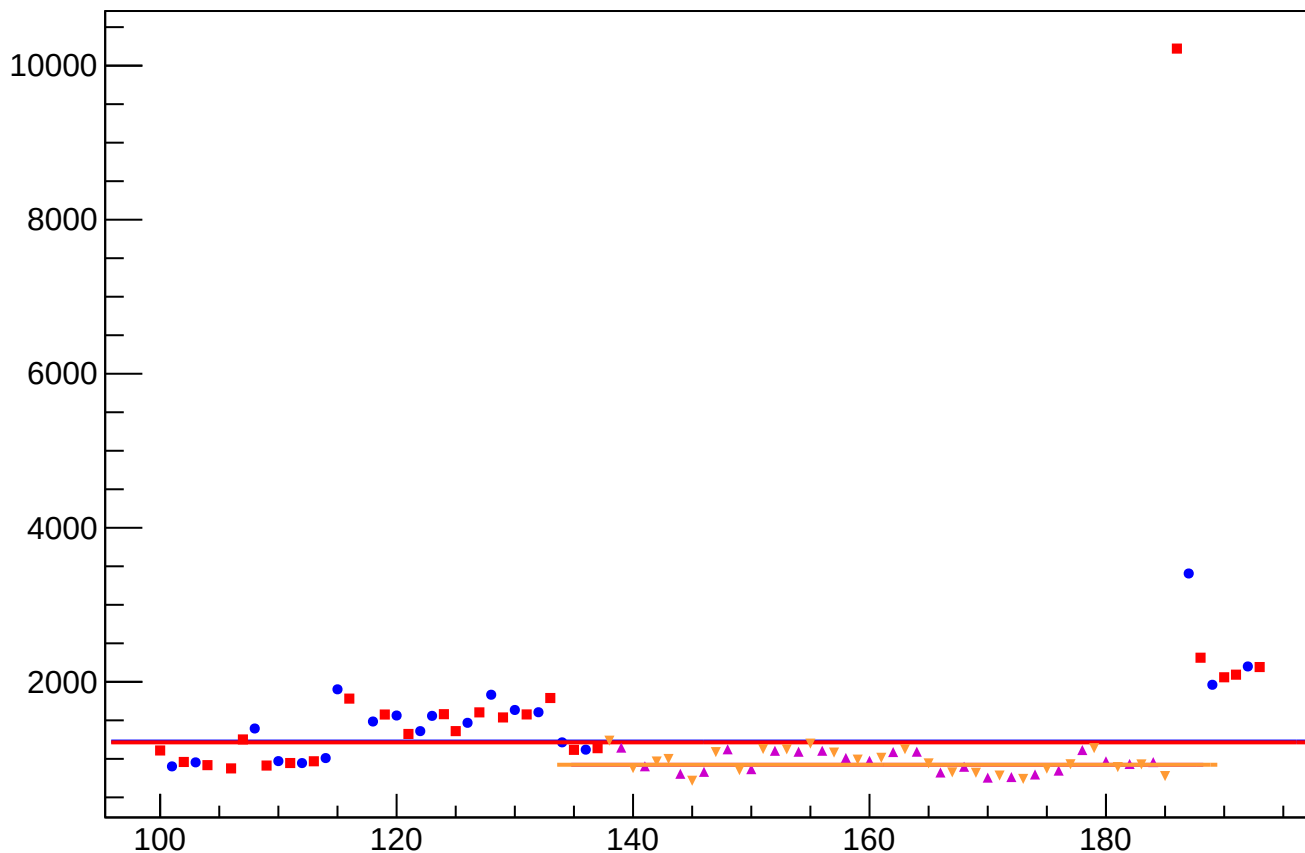
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -850.184 ± 196.286 χ^2/NDF : 74.9/44

All: -624.195 ± 139.038 χ^2/NDF : 125.7/91

- sign -396.614 ± 196.975 χ^2/NDF : 48.1/46

asym_sam_48_dd_correction_rms vs Slug



Right In: 1224.630 $\pm$ 0.319 χ^2 /NDF: 1333318.6/19

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

+ sign 980.619 $\pm$ 0.139 χ^2 /NDF: 2898495.3/44

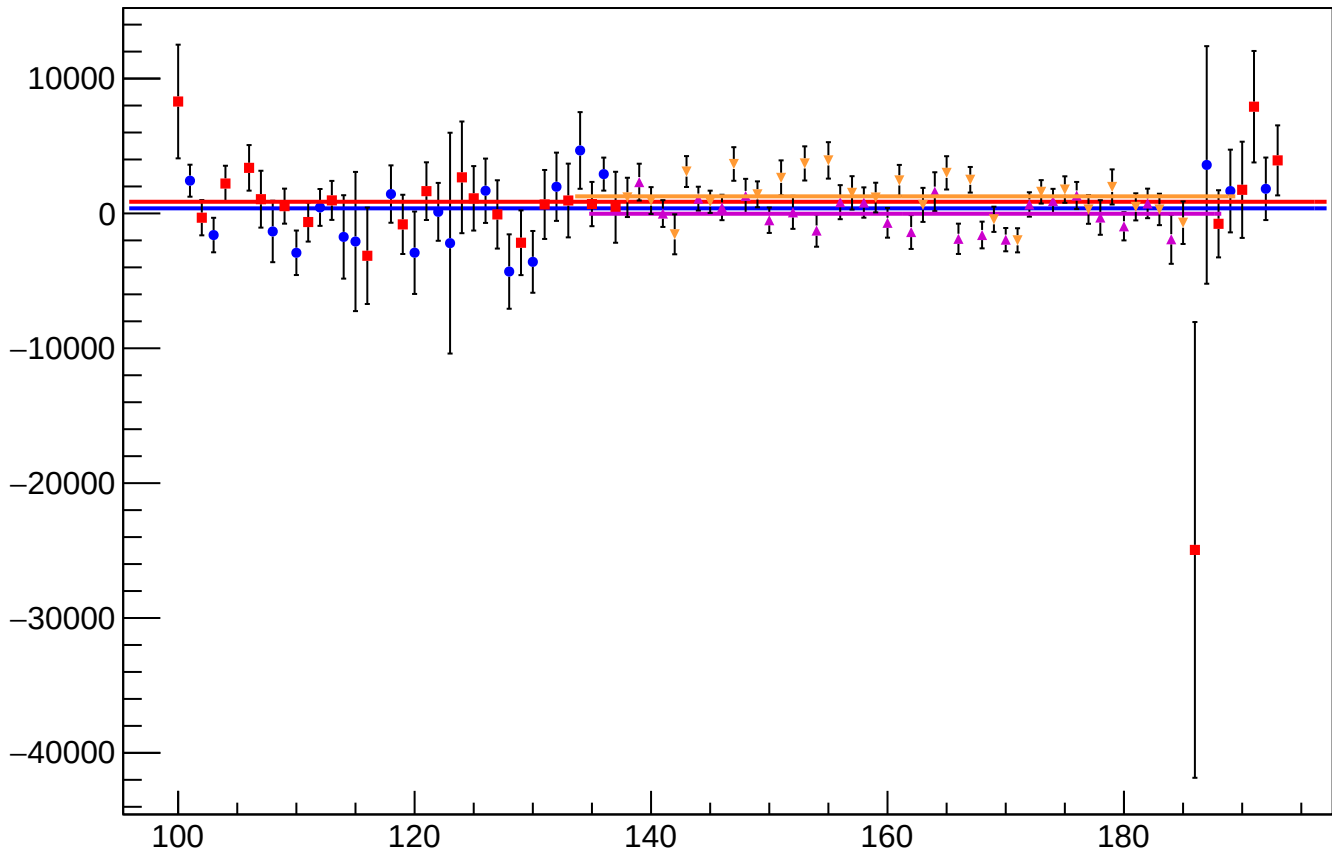
Right Out: 1214.096 $\pm$ 0.296 χ^2 /NDF: 2307509.3/23

All: 983.795 $\pm$ 0.098 χ^2 /NDF: 6599745.8/91

- sign 986.994 $\pm$ 0.139 χ^2 /NDF: 3700199.6/46

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

asym_sam_48_dd_mean vs Slug



Right In: 376.026 ± 453.126 χ^2/NDF : 26.0/19

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 864.568 ± 420.399 χ^2/NDF : 19.4/23

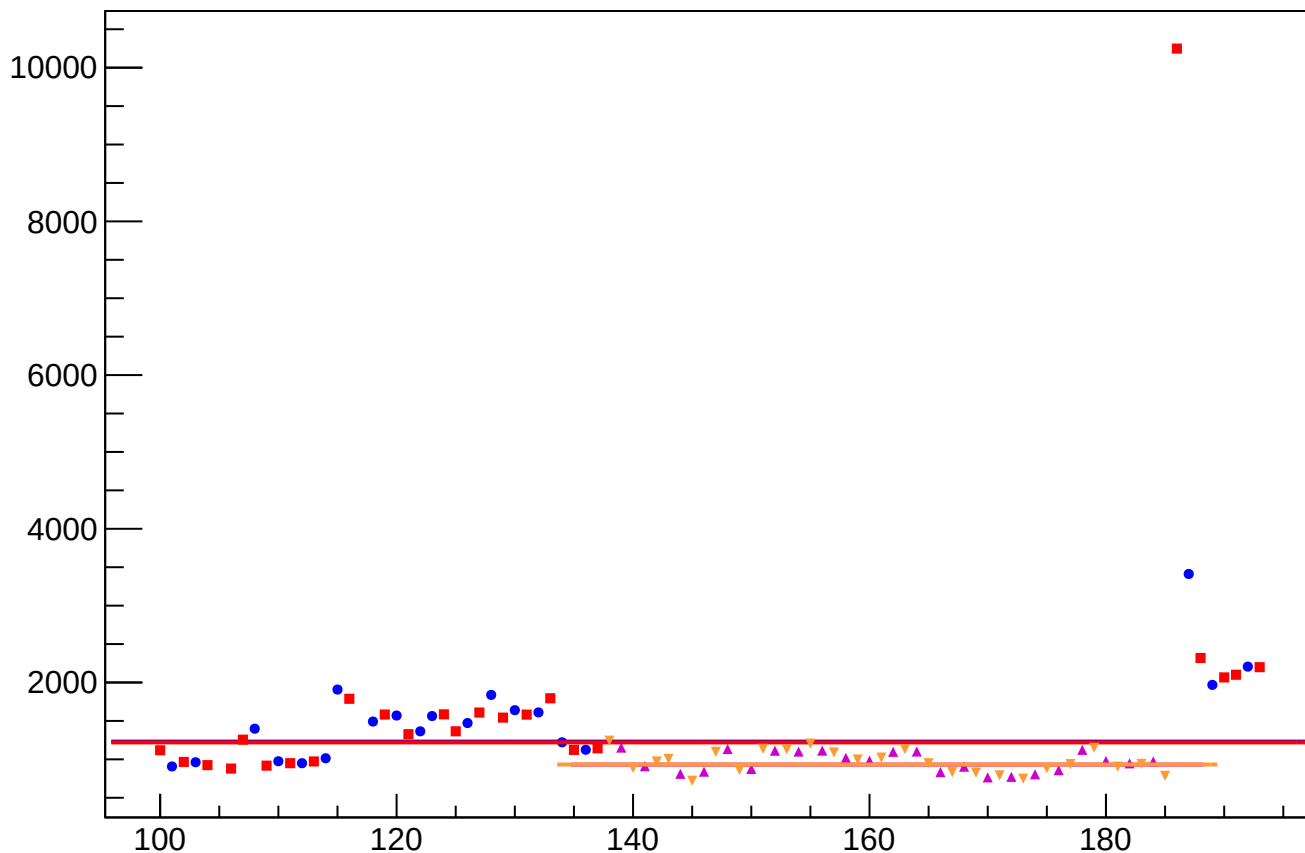
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1097.150 ± 198.004 χ^2/NDF : 74.1/44

All: 637.682 ± 140.259 χ^2/NDF : 134.9/91

- sign 174.929 ± 198.711 χ^2/NDF : 50.1/46

asym_sam_48_dd_rms vs Slug



Right In: 1230.912 $\pm$ 0.320 χ^2 /NDF: 1324851.9/19

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1220.649 $\pm$ 0.297 χ^2 /NDF: 2295915.4/23

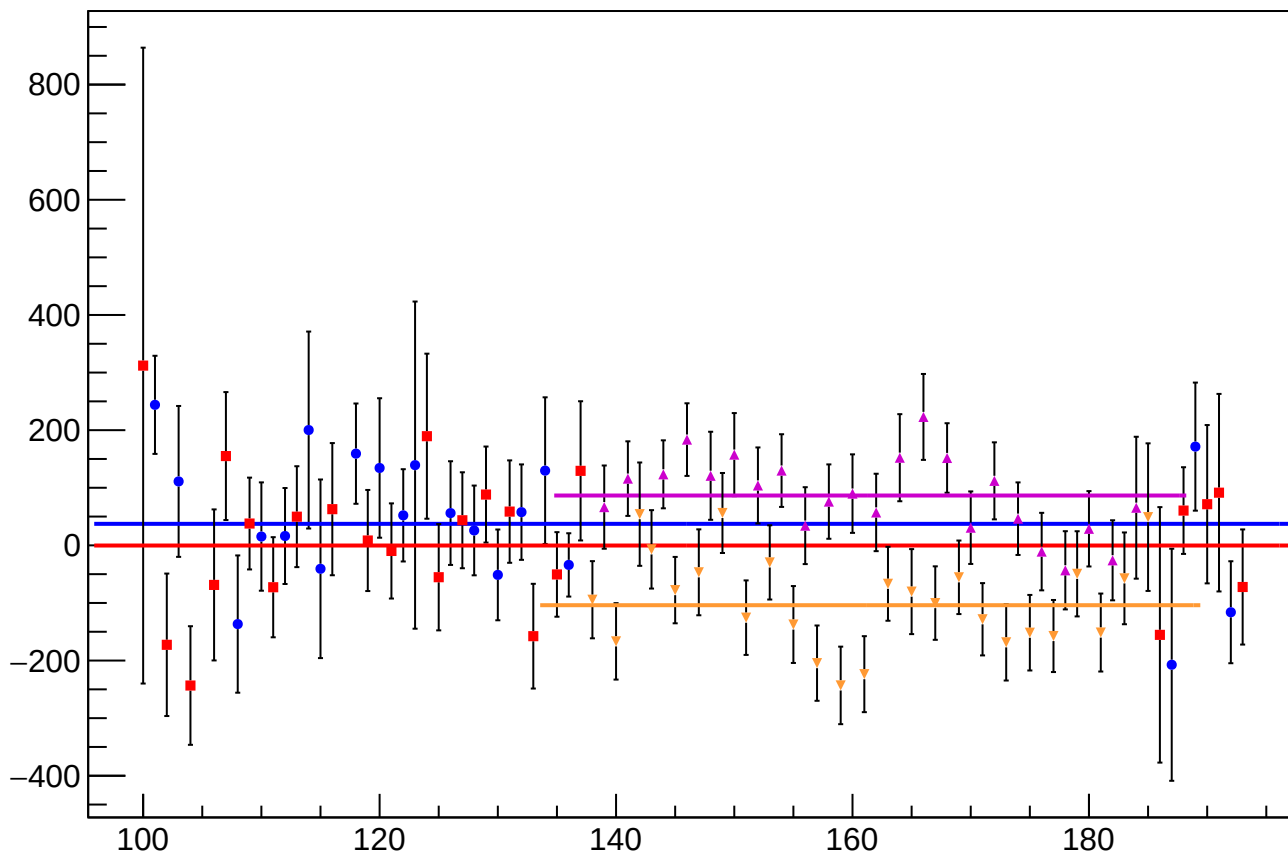
Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

+ sign 989.694 $\pm$ 0.140 χ^2 /NDF: 2855191.0/44

All: 992.883 $\pm$ 0.099 χ^2 /NDF: 6511371.1/91

- sign 996.096 $\pm$ 0.141 χ^2 /NDF: 3655138.5/46

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 37.368 ± 21.376 χ^2/NDF : 21.9/19

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -0.271 ± 20.352 χ^2/NDF : 22.4/23

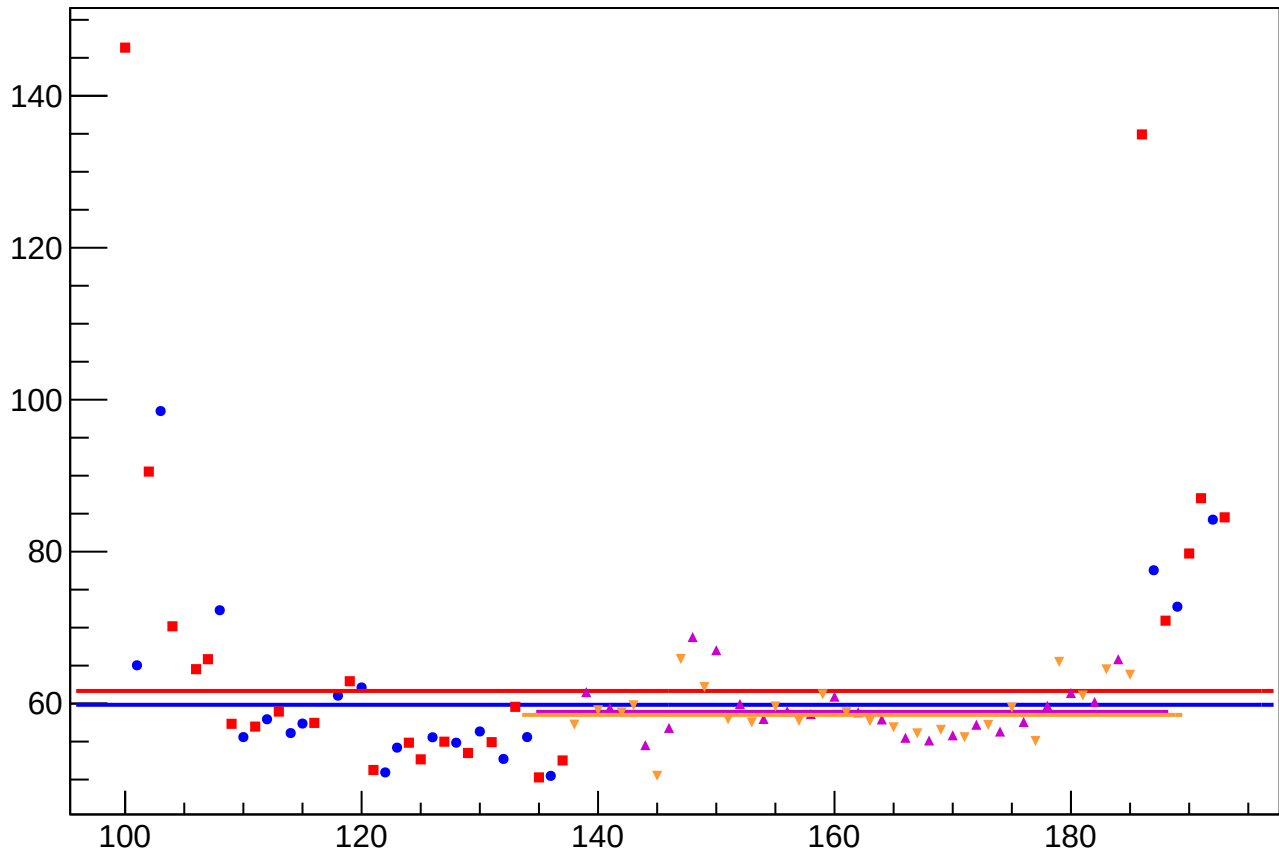
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -63.014 ± 11.500 χ^2/NDF : 82.9/44

All: -2.873 ± 8.167 χ^2/NDF : 194.2/91

- sign 58.333 ± 11.601 χ^2/NDF : 56.1/46

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 59.843 $\pm$ 0.015 χ^2 /NDF: 522266.3/19

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF: 123221.6/24

Right Out: 61.666 $\pm$ 0.014 χ^2 /NDF: 781001.4/23

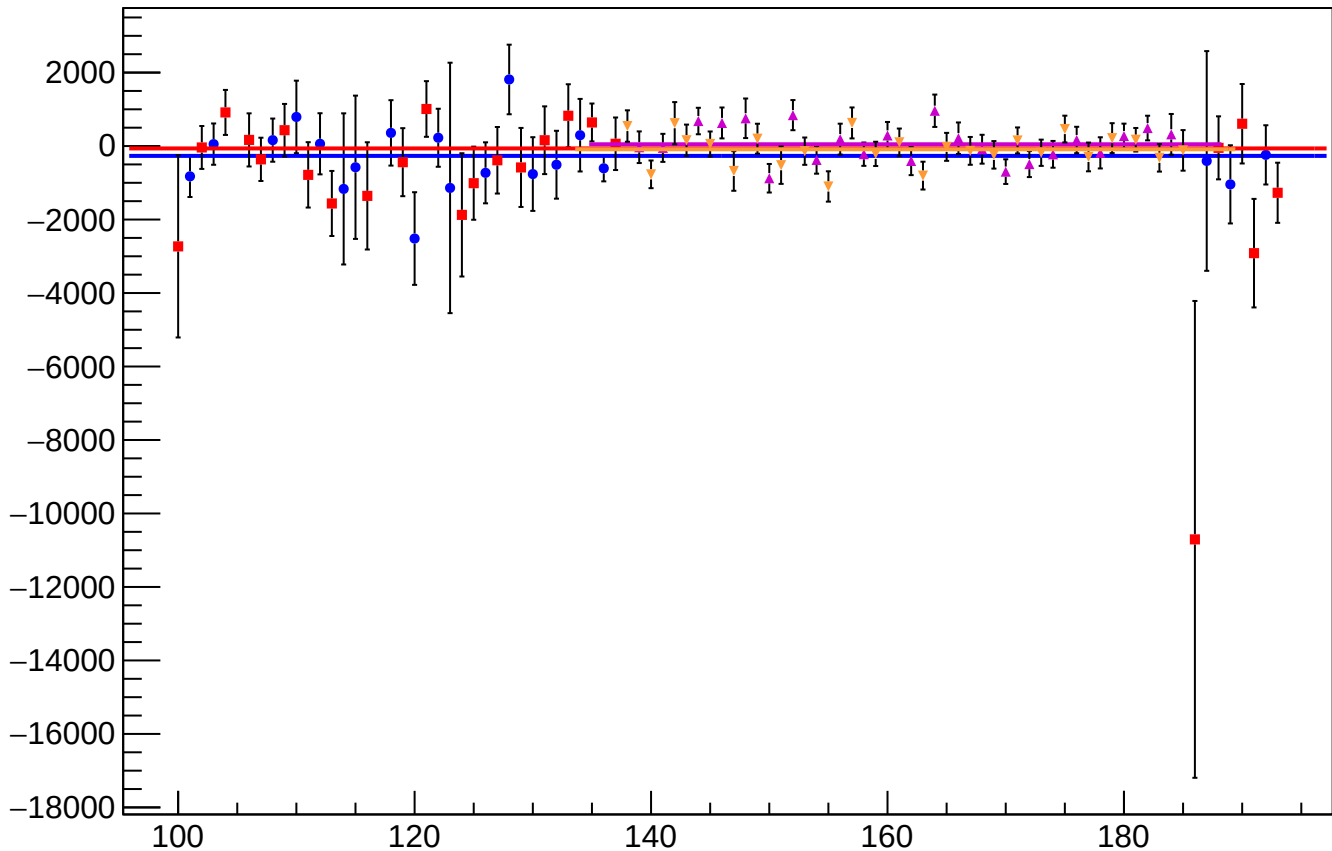
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF: 109968.0/22

+ sign 58.898 $\pm$ 0.008 χ^2 /NDF: 650988.5/44

All: 59.349 $\pm$ 0.006 χ^2 /NDF: 1572853.6/91

- sign 59.808 $\pm$ 0.008 χ^2 /NDF: 915660.0/46

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -267.492 ± 176.944 χ^2/NDF : 14.7/19

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -64.612 ± 170.669 χ^2/NDF : 25.5/23

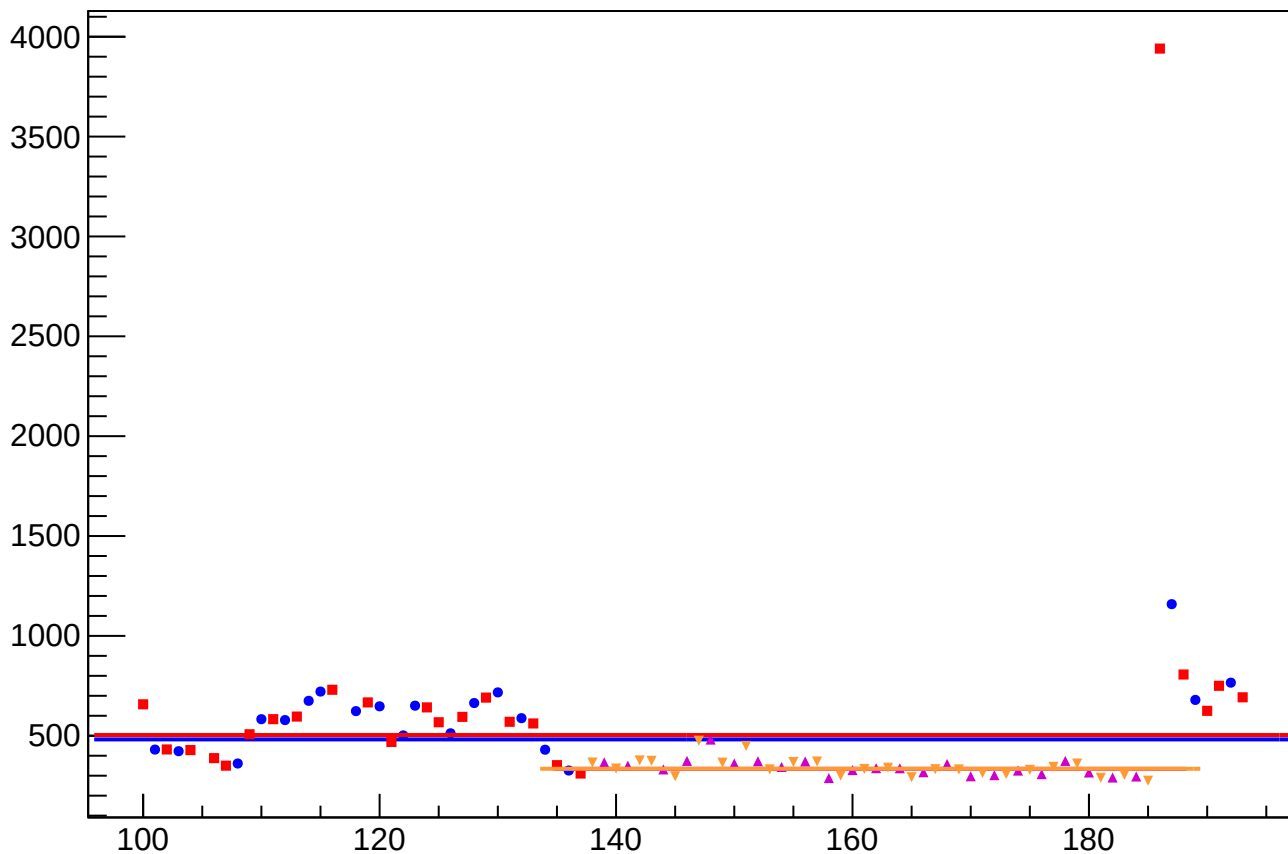
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -117.101 ± 71.799 χ^2/NDF : 43.3/44

All: -45.552 ± 51.134 χ^2/NDF : 106.5/91

- sign 28.093 ± 72.843 χ^2/NDF : 61.2/46

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 481.619 ± 0.125 $\chi^2/\text{NDF}: 1331744.0/19$

Left Out: 334.749 ± 0.056 $\chi^2/\text{NDF}: 491370.4/24$

Right Out: 503.670 ± 0.121 $\chi^2/\text{NDF}: 1845296.2/23$

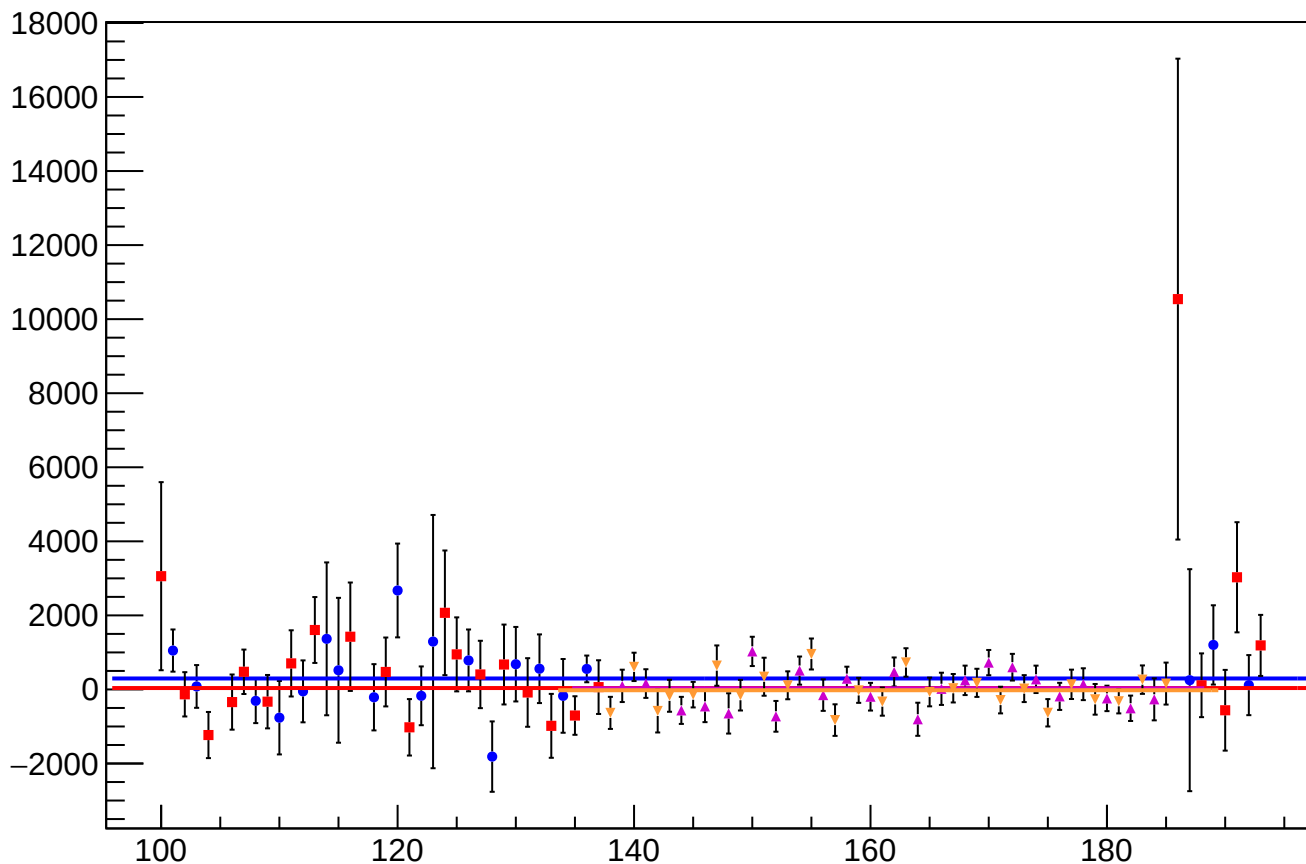
Left In: 334.147 ± 0.057 $\chi^2/\text{NDF}: 397200.6/22$

+ sign 358.931 ± 0.051 $\chi^2/\text{NDF}: 2974169.6/44$

All: 361.935 ± 0.036 $\chi^2/\text{NDF}: 6837546.3/91$

- sign 365.028 ± 0.052 $\chi^2/\text{NDF}: 3856270.5/46$

asym_sam_13_57_dd_mean vs Slug



Right In: 296.388 $\pm$ 178.952 χ^2 /NDF: 15.8/19

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF: 27.2/24

Right Out: 37.997 $\pm$ 172.653 χ^2 /NDF: 28.6/23

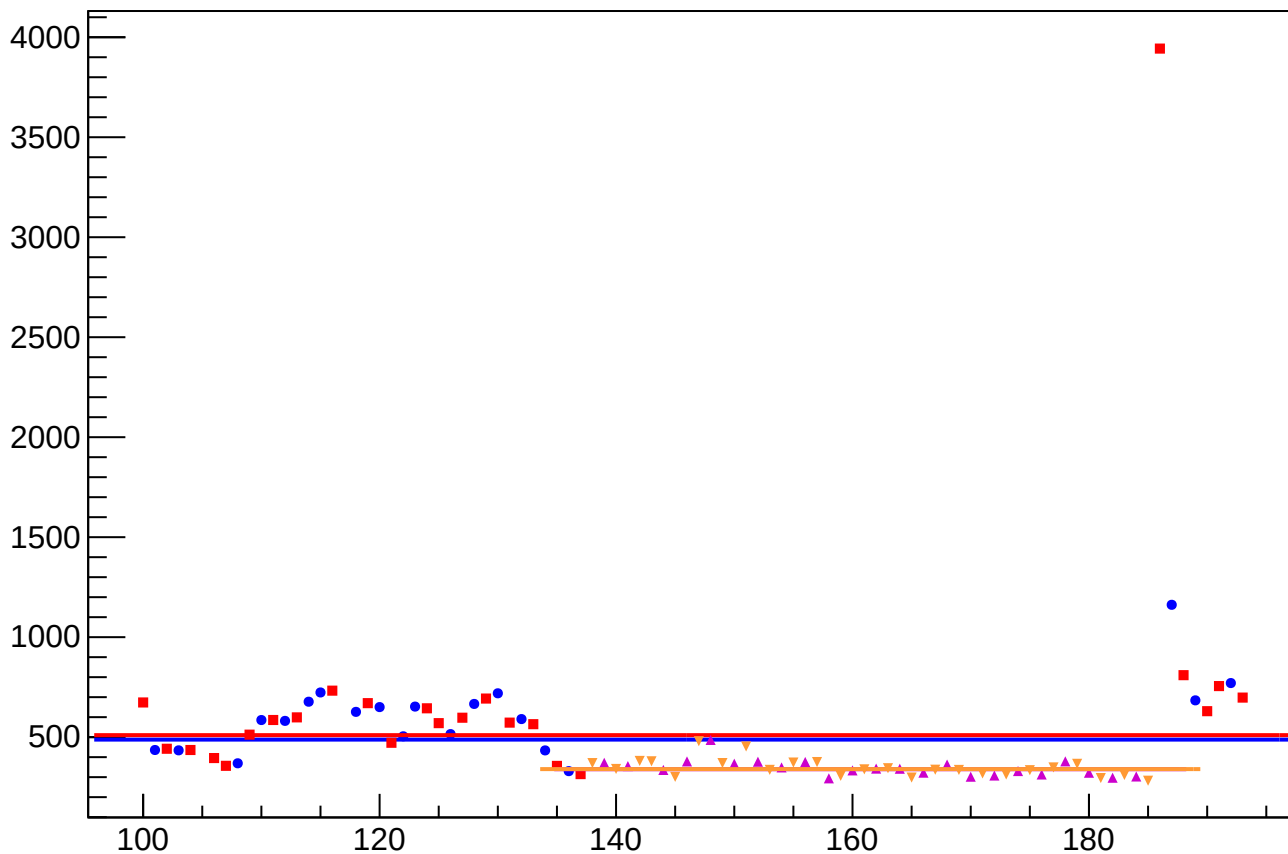
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF: 34.0/22

+ sign 31.746 $\pm$ 72.891 χ^2 /NDF: 45.6/44

All: 32.333 $\pm$ 51.913 χ^2 /NDF: 108.2/91

- sign 32.937 $\pm$ 73.952 χ^2 /NDF: 62.6/46

asym_sam_13_57_dd_rms vs Slug



Right In: 487.790 $\pm$ 0.127 χ^2 /NDF: 1291136.6/19

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 510.044 $\pm$ 0.122 χ^2 /NDF: 1801385.0/23

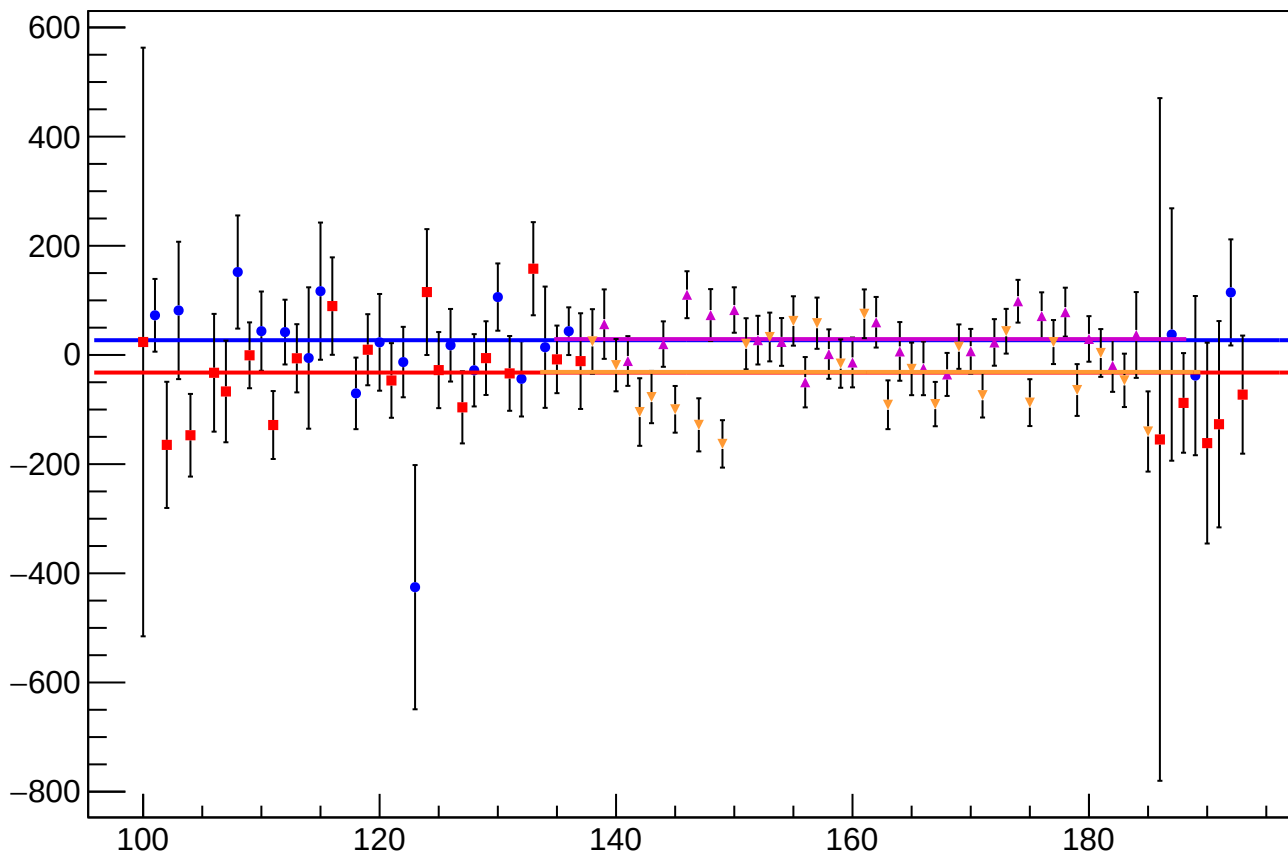
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 364.718 $\pm$ 0.052 χ^2 /NDF: 2894130.4/44

All: 367.758 $\pm$ 0.037 χ^2 /NDF: 6673542.9/91

- sign 370.888 $\pm$ 0.052 χ^2 /NDF: 3772352.3/46

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 27.023+/-17.401 χ^2/NDF : 14.1/19

Left Out: -31.063+/-9.170 χ^2/NDF : 52.6/24

Right Out: -32.238+/-16.772 χ^2/NDF : 18.1/23

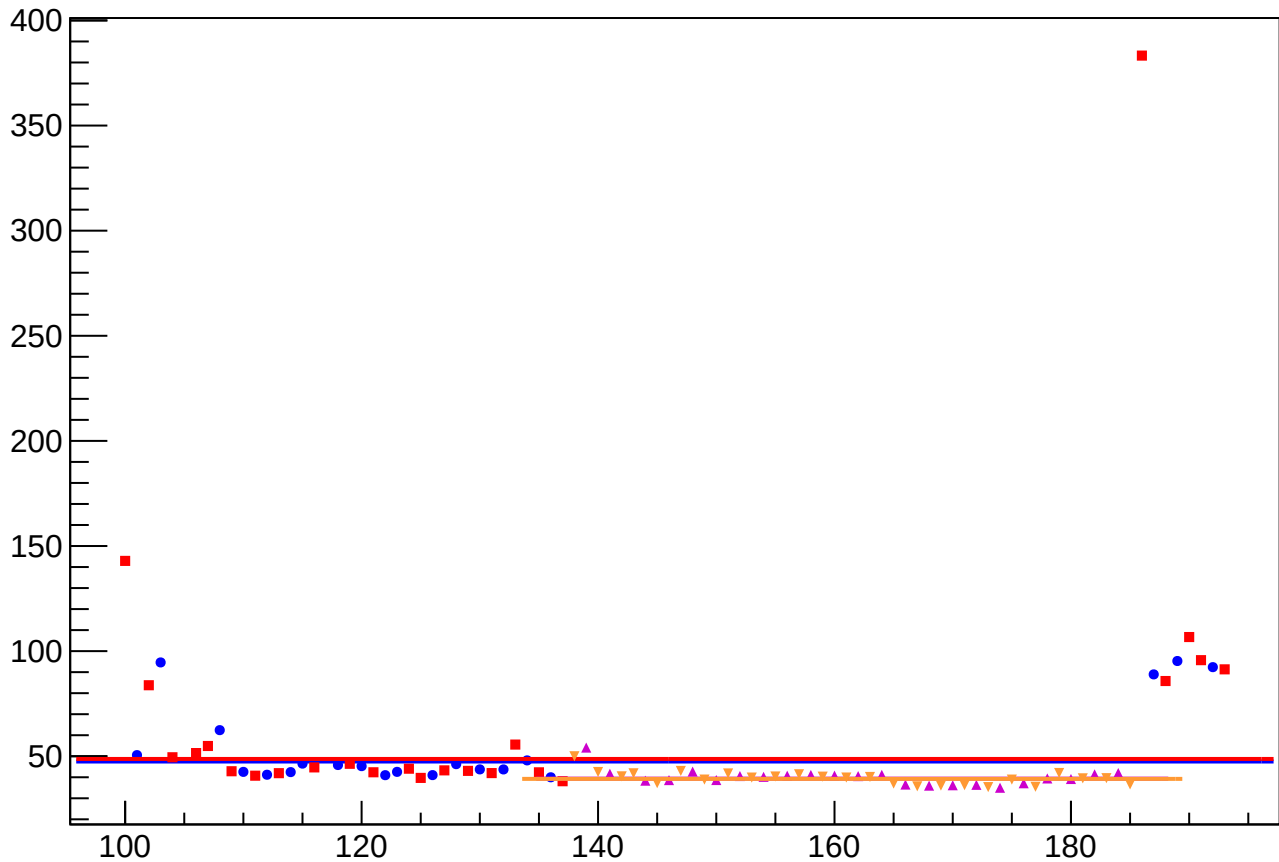
Left In: 29.055+/-9.449 χ^2/NDF : 22.4/22

+ sign -18.439+/-8.112 χ^2/NDF : 75.4/44

All: -2.317+/-5.778 χ^2/NDF : 134.1/91

- sign 14.287+/-8.233 χ^2/NDF : 50.7/46

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 47.493+/-0.012 χ^2/NDF : 1182655.6/19

Left Out: 39.235+/-0.006 χ^2/NDF : 201960.7/24

Right Out: 48.712+/-0.012 χ^2/NDF : 2036340.9/23

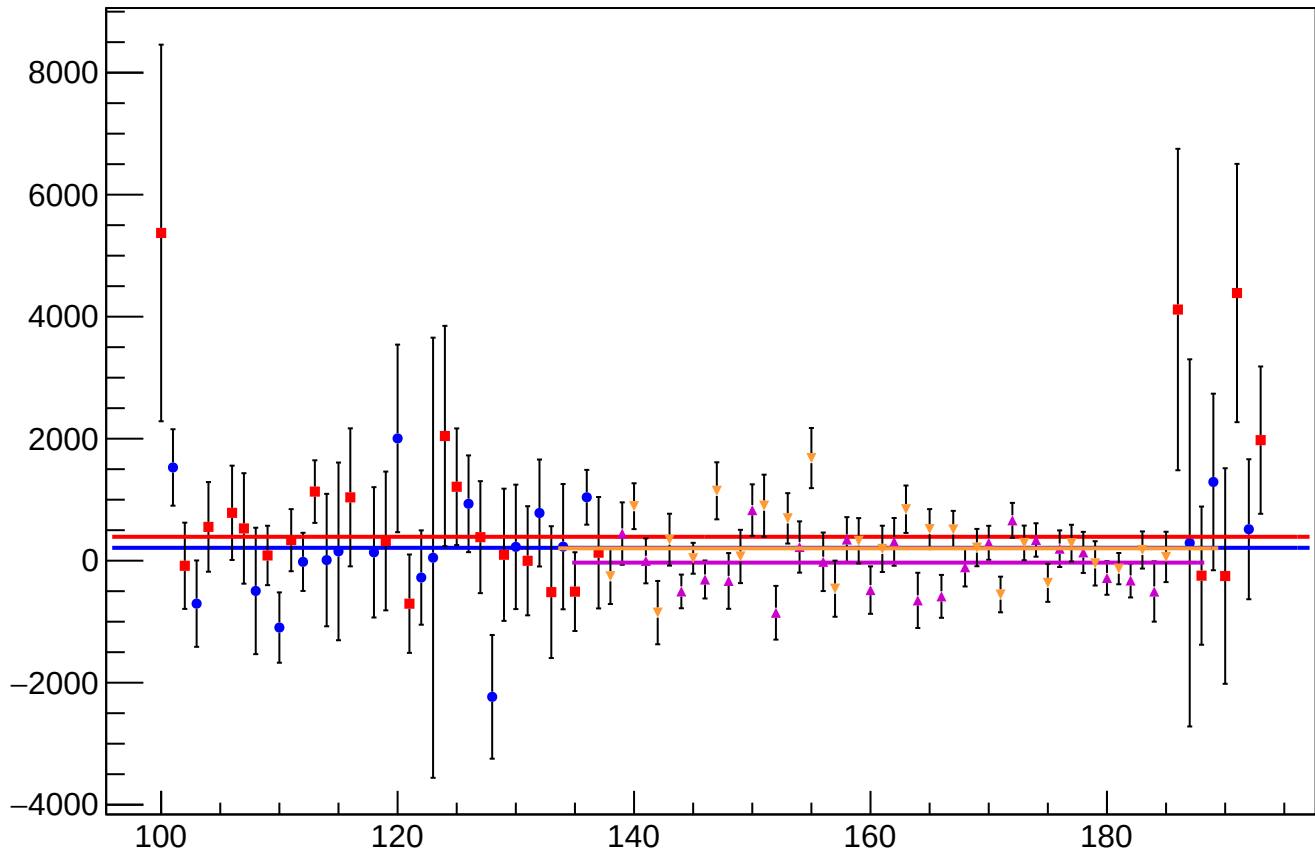
Left In: 39.338+/-0.007 χ^2/NDF : 215671.3/22

+ sign 41.030+/-0.006 χ^2/NDF : 1737141.0/44

All: 41.309+/-0.004 χ^2/NDF : 4468127.7/91

- sign 41.597+/-0.006 χ^2/NDF : 2726173.6/46

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 211.091 ± 184.650 χ^2/NDF : 24.8/19

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 391.575 ± 173.754 χ^2/NDF : 20.4/23

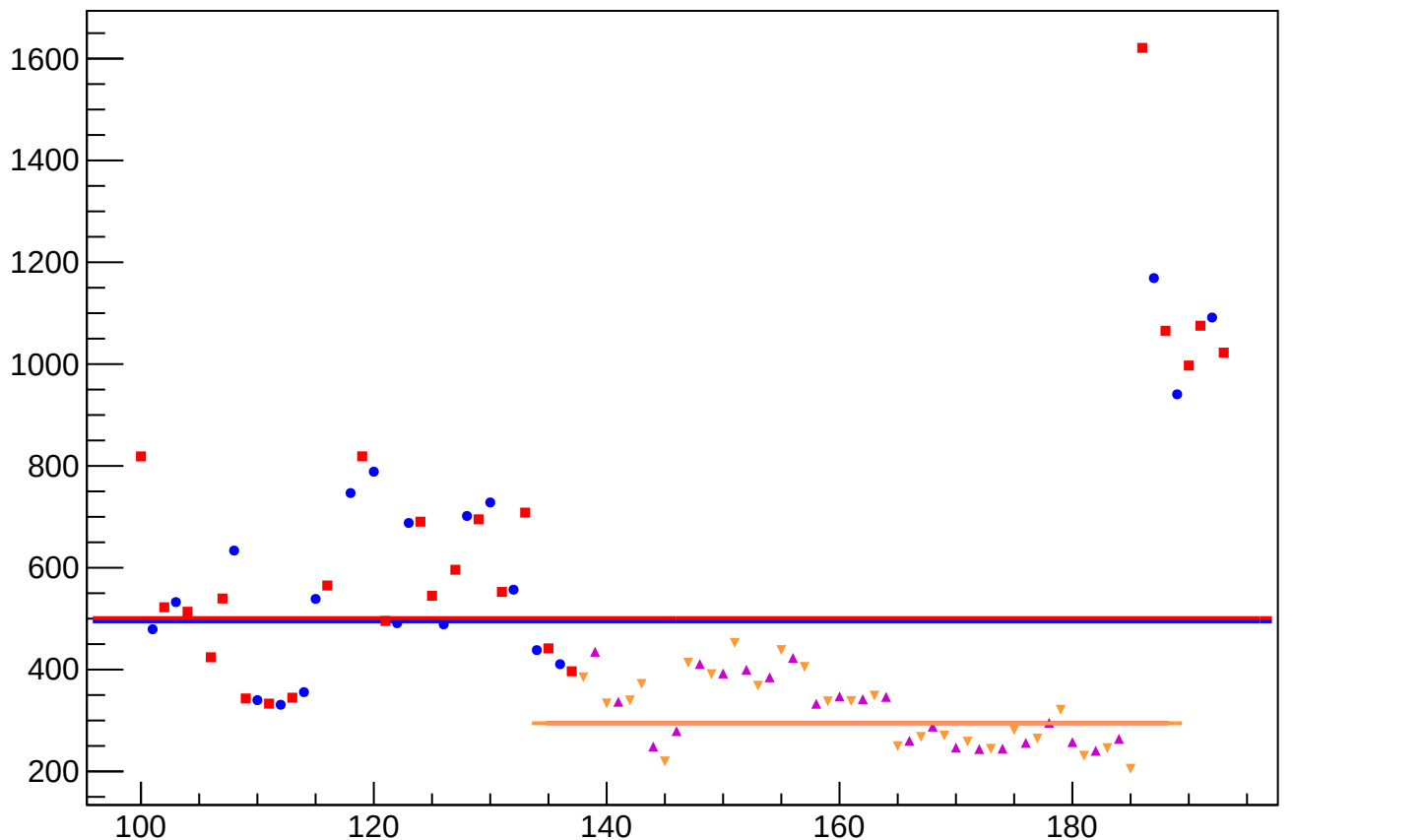
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 203.477 ± 65.802 χ^2/NDF : 69.6/44

All: 118.075 ± 46.807 χ^2/NDF : 131.8/91

- sign 30.606 ± 66.594 χ^2/NDF : 58.8/46

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 494.835+/-0.131 χ^2/NDF : 1753943.6/19

Left Out: 294.591+/-0.050 χ^2/NDF : 1680474.5/24

Right Out: 501.082+/-0.123 χ^2/NDF : 2594310.3/23

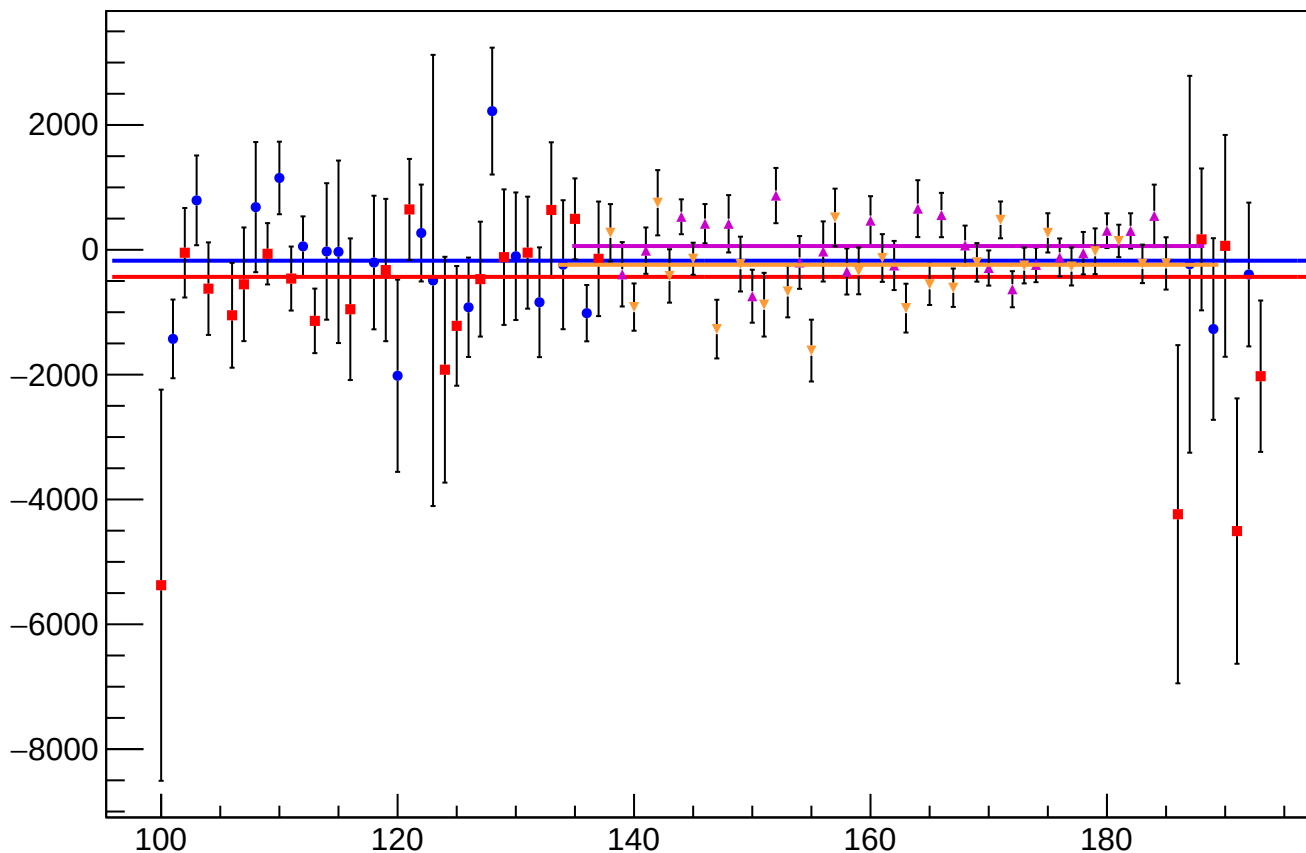
Left In: 294.722+/-0.051 χ^2/NDF : 1297310.3/22

+ sign 320.021+/-0.047 χ^2/NDF : 5487797.6/44

All: 322.498+/-0.033 χ^2/NDF : 11791802.0/91

- sign 325.035+/-0.047 χ^2/NDF : 6298268.8/46

asym_sam_15_37_dd_mean vs Slug



Right In: -174.474 ± 185.778 χ^2/NDF : 24.7/19

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -433.699 ± 175.522 χ^2/NDF : 20.3/23

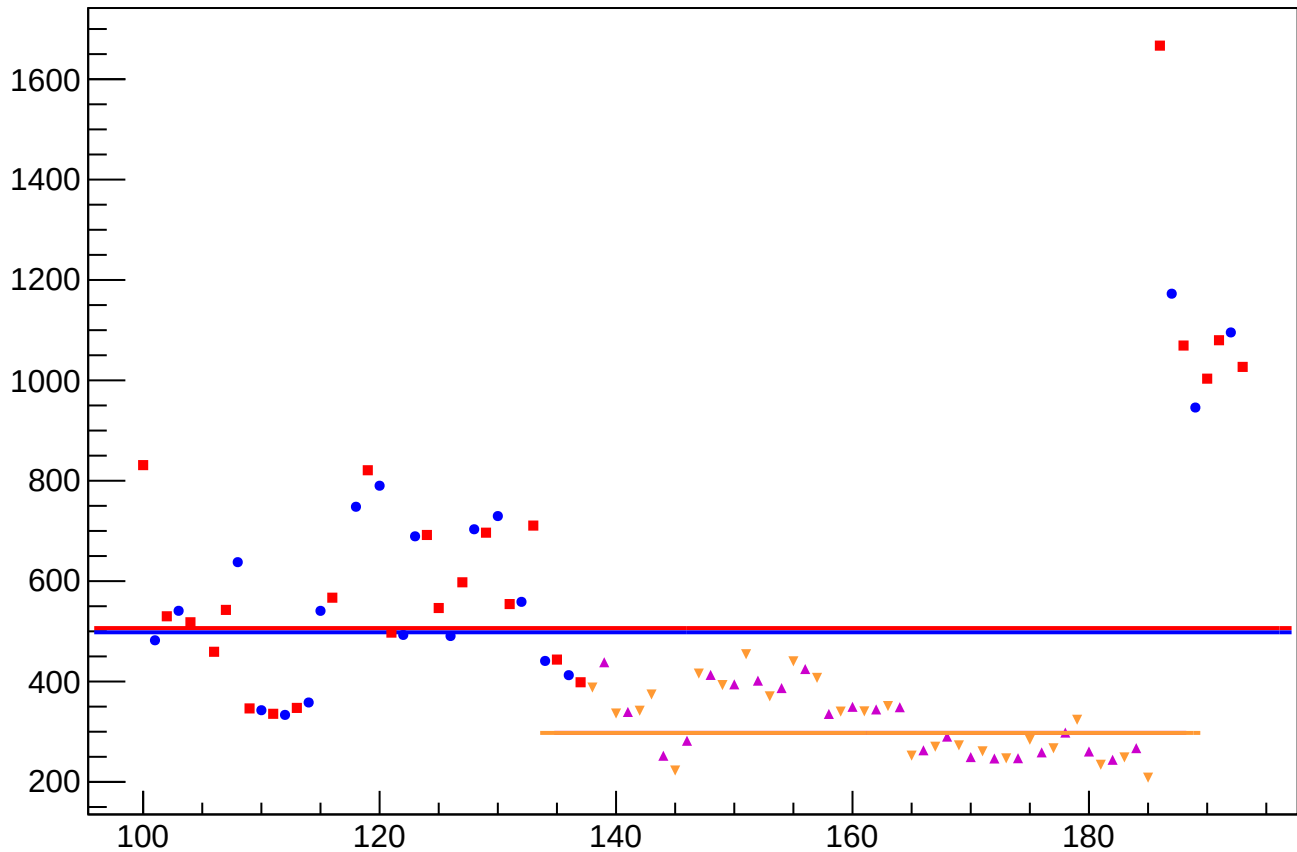
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -231.940 ± 66.403 χ^2/NDF : 67.8/44

All: -123.421 ± 47.246 χ^2/NDF : 131.1/91

- sign -12.163 ± 67.236 χ^2/NDF : 57.9/46

asym_sam_15_37_dd_rms vs Slug



Right In: 498.084+/-0.131 χ^2/NDF : 1741902.9/19

Left Out: 297.613+/-0.050 χ^2/NDF : 1637757.8/24

Right Out: 506.472+/-0.124 χ^2/NDF : 2571356.6/23

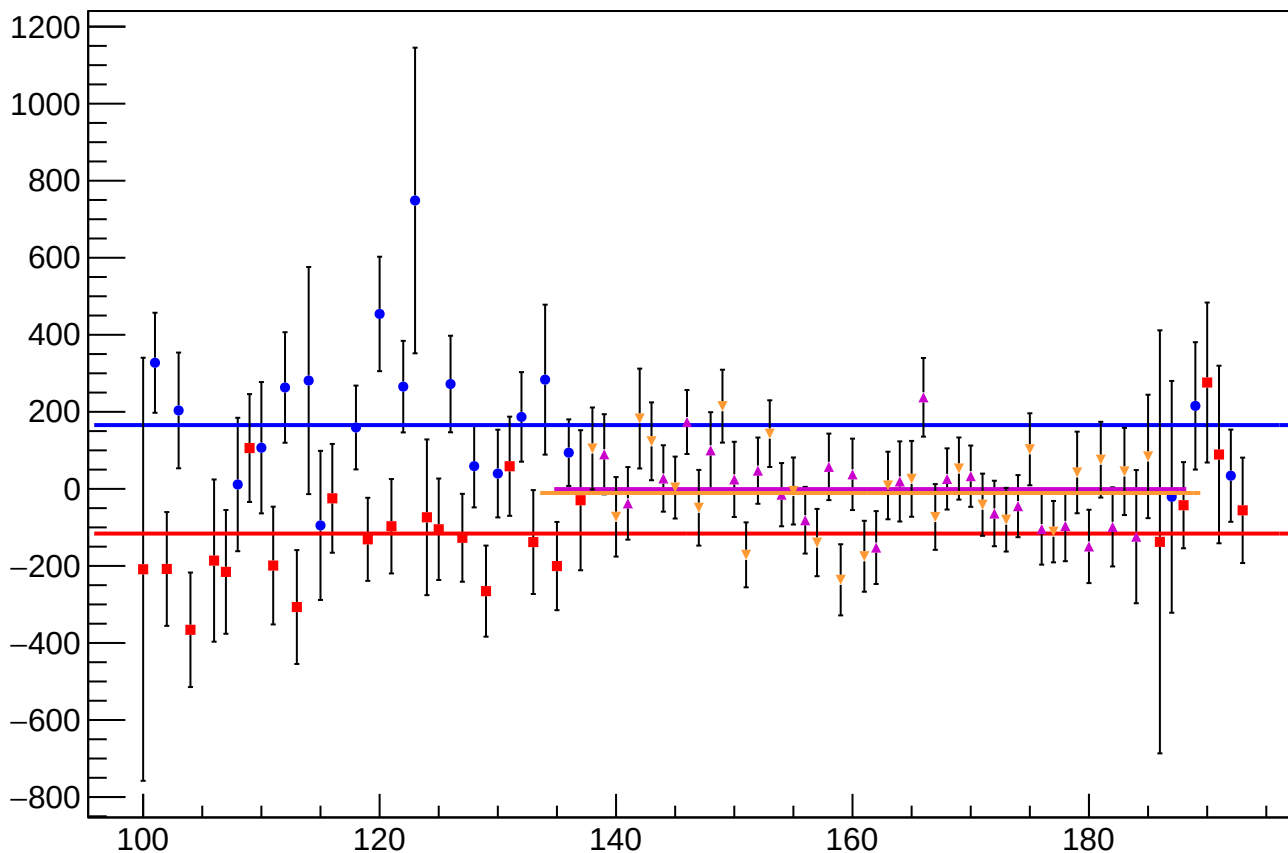
Left In: 297.699+/-0.051 χ^2/NDF : 1266306.2/22

+ sign 323.225+/-0.047 χ^2/NDF : 5411004.9/44

All: 325.747+/-0.033 χ^2/NDF : 11668852.5/91

- sign 328.334+/-0.048 χ^2/NDF : 6252001.8/46

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 165.622 $\pm$ 30.933 χ^2 /NDF: 17.3/19

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF: 36.3/24

Right Out: -116.008 $\pm$ 29.761 χ^2 /NDF: 18.0/23

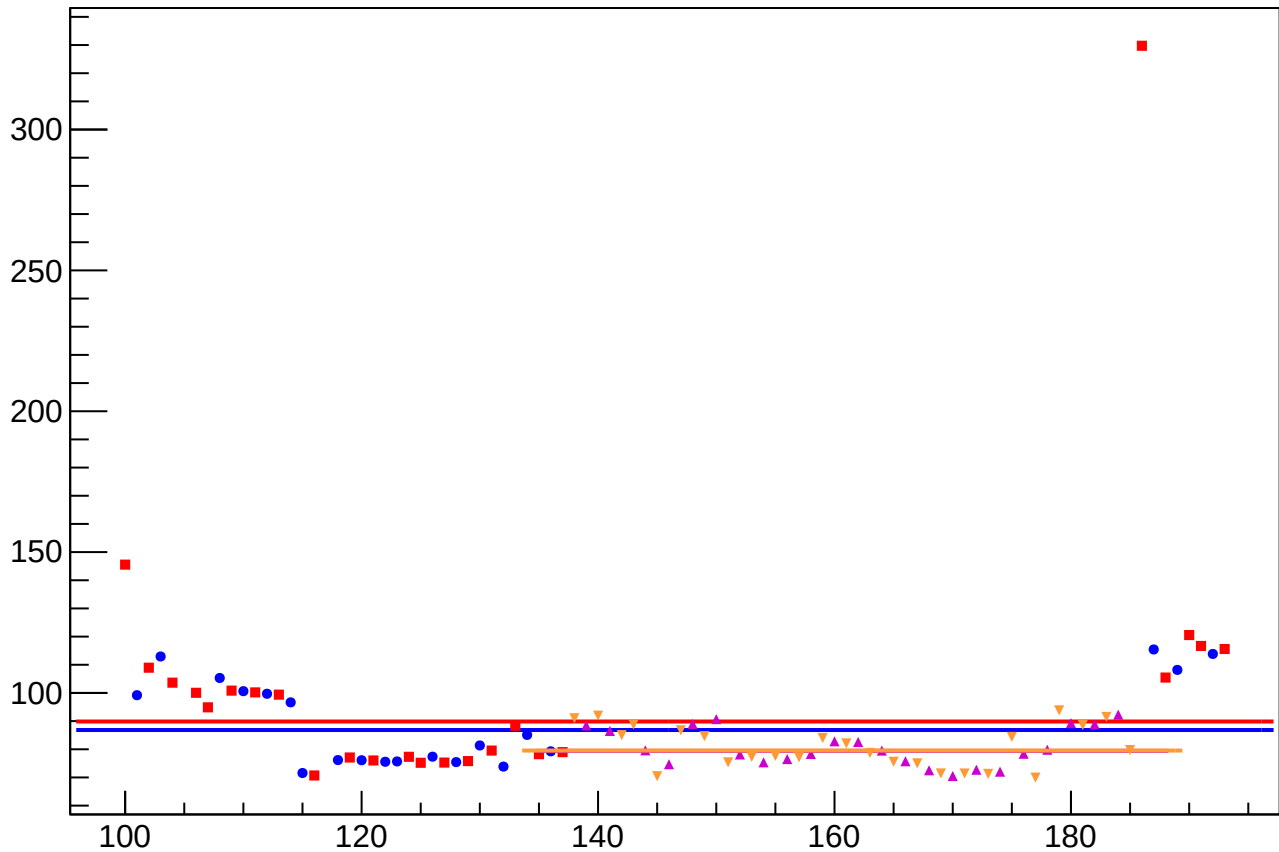
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF: 23.8/22

+ sign 36.183 $\pm$ 15.946 χ^2 /NDF: 77.5/44

All: 1.248 $\pm$ 11.319 χ^2 /NDF: 139.6/91

- sign -34.228 $\pm$ 16.069 χ^2 /NDF: 52.4/46

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 86.837 $\pm$ 0.022 χ^2 /NDF: 426728.7/19

Left Out: 79.551 $\pm$ 0.013 χ^2 /NDF: 309075.2/24

Right Out: 89.864 $\pm$ 0.021 χ^2 /NDF: 894199.2/23

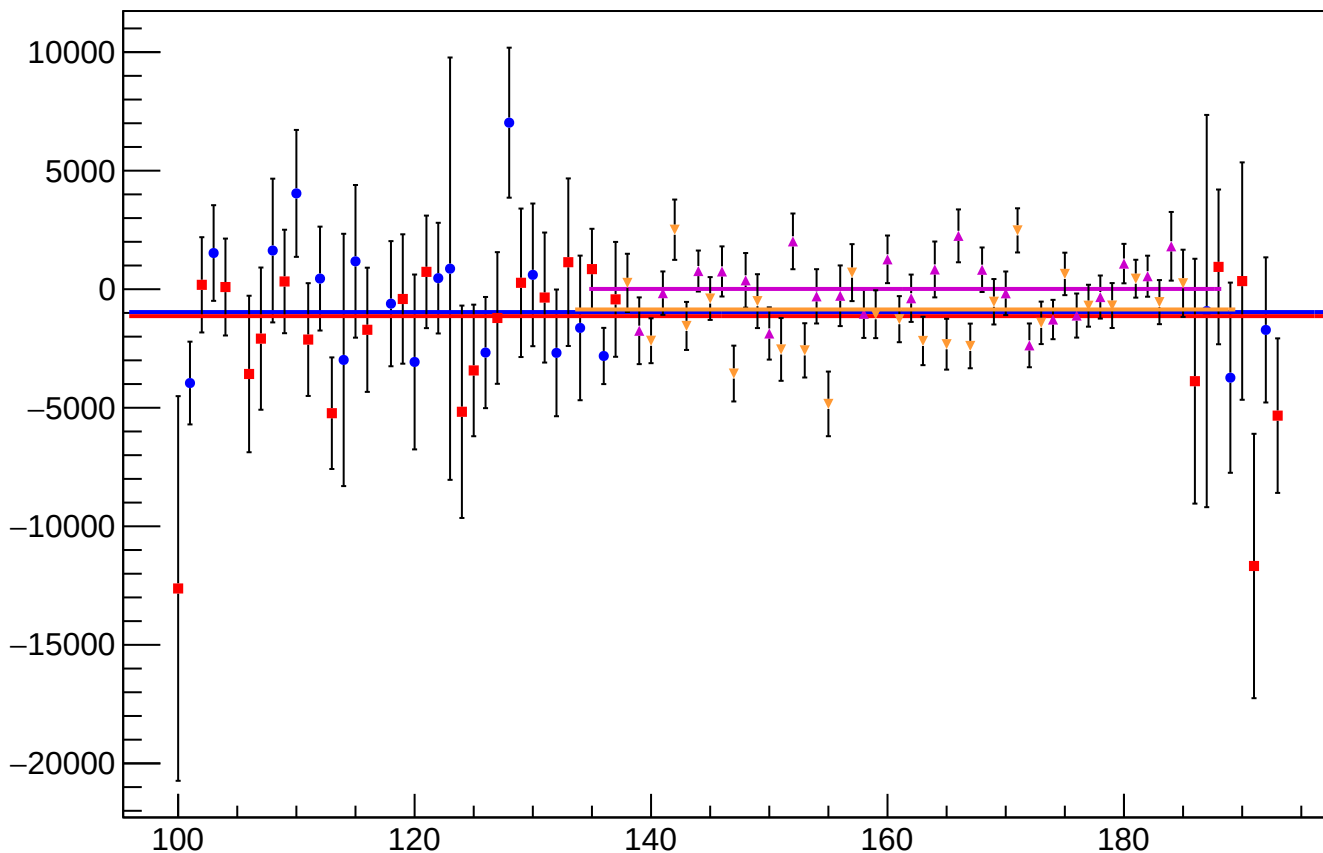
Left In: 79.436 $\pm$ 0.013 χ^2 /NDF: 212440.1/22

+ sign 81.487 $\pm$ 0.011 χ^2 /NDF: 817287.1/44

All: 81.978 $\pm$ 0.008 χ^2 /NDF: 2101690.8/91

- sign 82.476 $\pm$ 0.011 χ^2 /NDF: 1280586.3/46

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -963.760 $\pm$ 567.001 χ^2 /NDF: 21.1/19

Left Out: -854.130 $\pm$ 204.090 χ^2 /NDF:56.0/24

Right Out: -1135.279 $\pm$ 561.783 χ^2 /NDF: 17.5/23

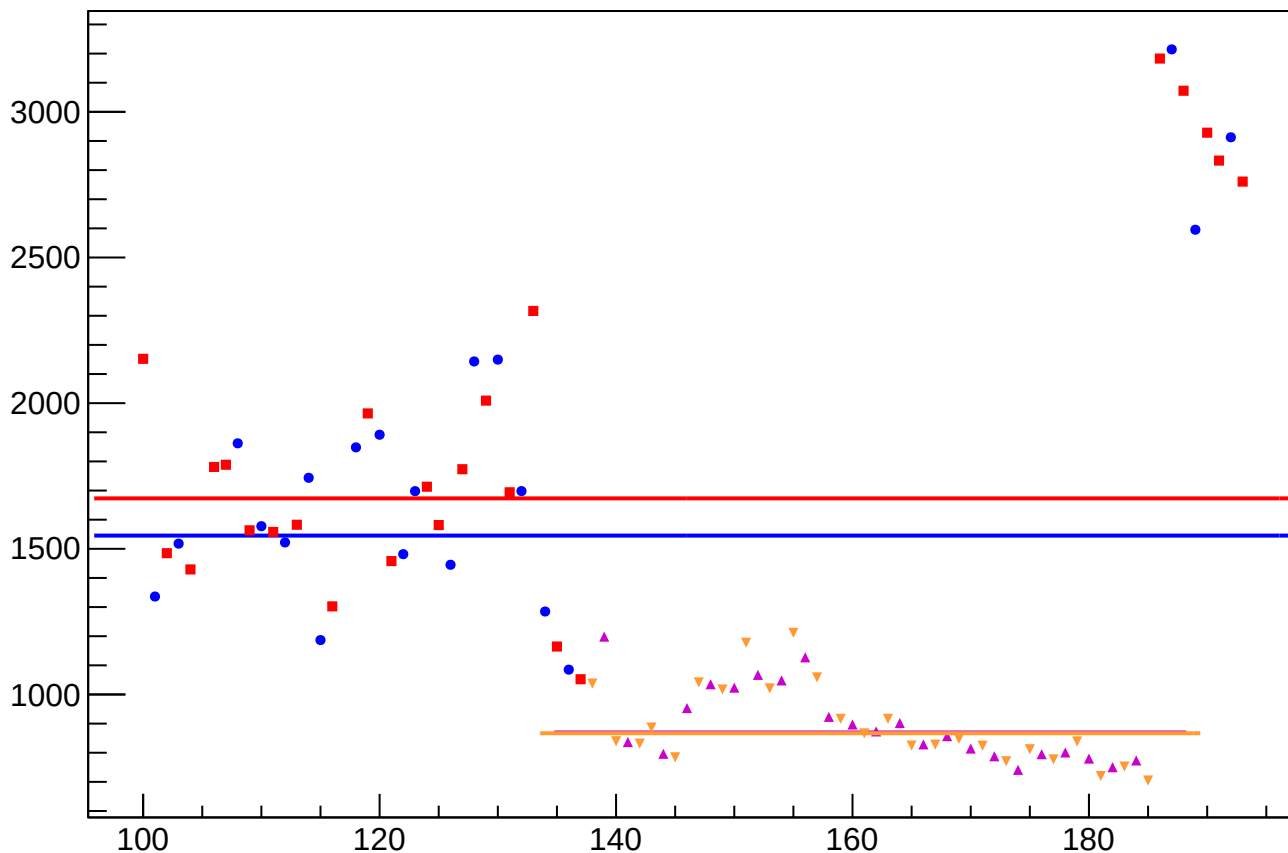
Left In: 11.687 $\pm$ 210.073 χ^2 /NDF:31.2/22

+ sign -866.704 $\pm$ 192.029 χ^2 /NDF: 77.1/44

All: -506.848 $\pm$ 137.429 χ^2 /NDF: 136.6/91

- sign -129.019 $\pm$ 196.766 χ^2 /NDF: 52.3/46

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1545.406 ± 0.401 $\chi^2/\text{NDF}: 1220770.5/19$

Left Out: 866.893 ± 0.144 $\chi^2/\text{NDF}: 661712.5/24$

Right Out: 1673.105 ± 0.397 $\chi^2/\text{NDF}: 1528281.7/23$

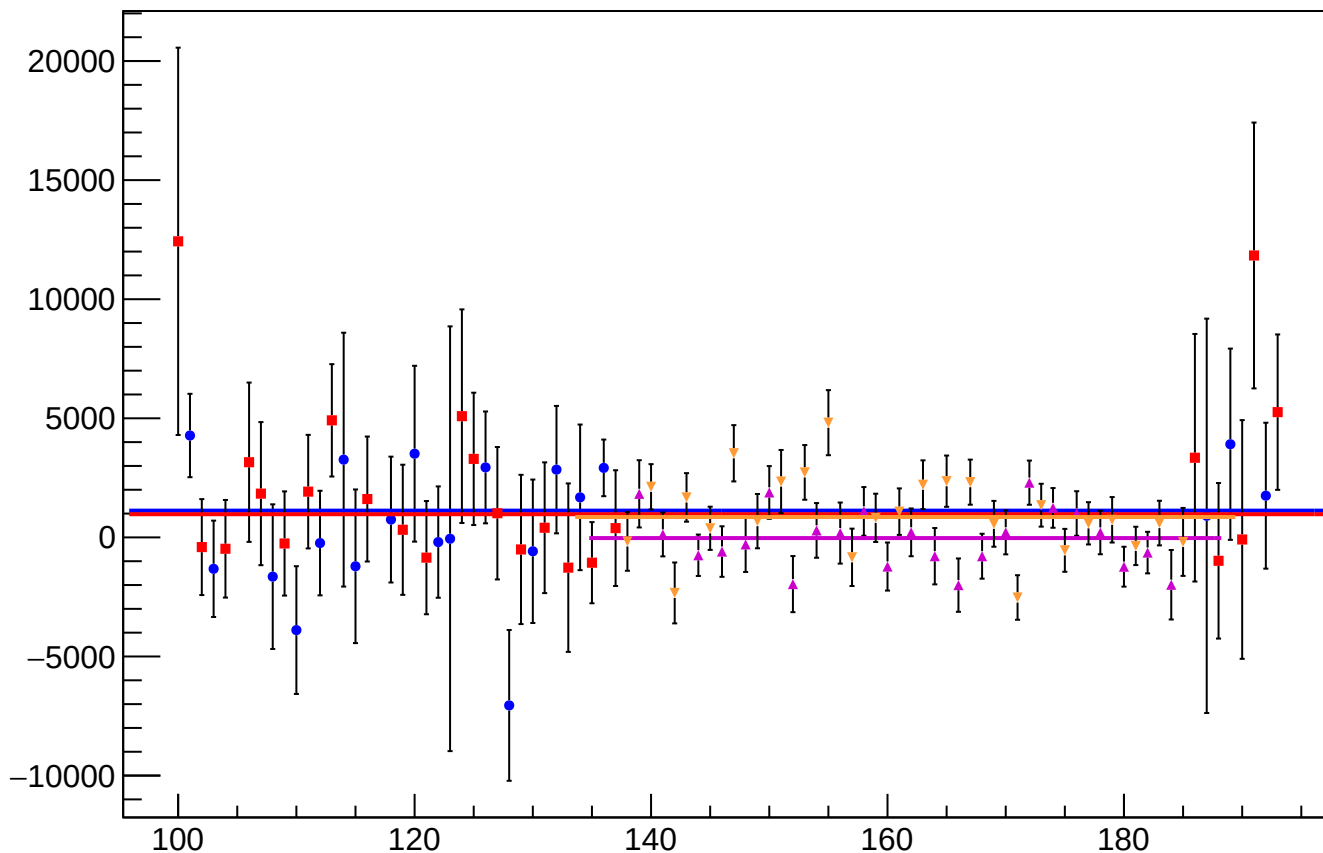
Left In: 869.569 ± 0.149 $\chi^2/\text{NDF}: 582301.2/22$

+ sign 944.719 ± 0.136 $\chi^2/\text{NDF}: 4418007.5/44$

All: 956.146 ± 0.097 $\chi^2/\text{NDF}: 10132842.4/9$

- sign 968.144 ± 0.139 $\chi^2/\text{NDF}: 5700316.7/46$

asym_sam_24_68_dd_mean vs Slug



Right In: 1123.665 $\pm$ 568.135 χ^2 /NDF: 21.7/19

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 972.798 $\pm$ 563.003 χ^2 /NDF: 17.3/23

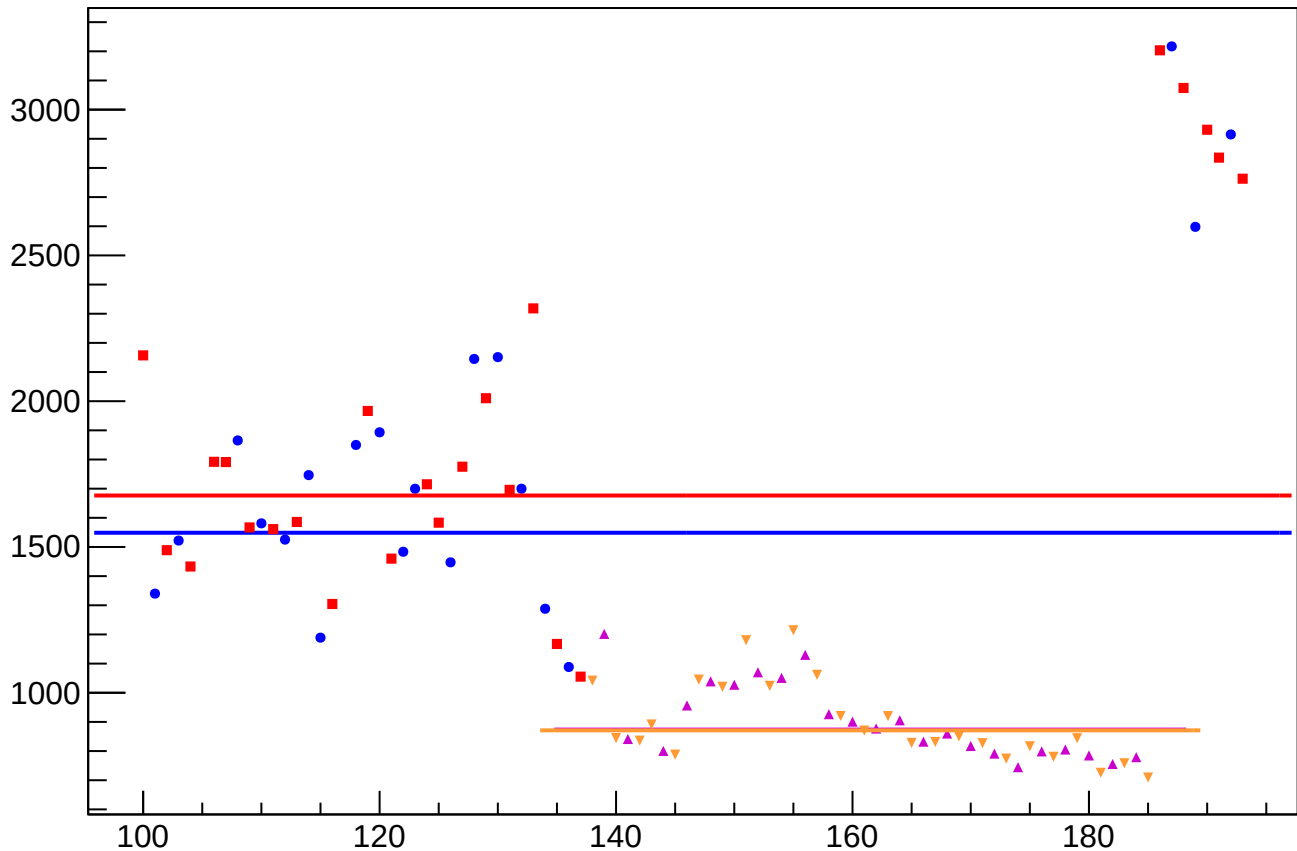
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 886.550 $\pm$ 192.870 χ^2 /NDF: 76.0/44

All: 500.284 $\pm$ 138.024 χ^2 /NDF: 134.0/91

- sign 94.807 $\pm$ 197.608 χ^2 /NDF: 49.8/46

asym_sam_24_68_dd_rms vs Slug



Right In: 1548.815 $\pm$ 0.402 χ^2 /NDF: 1215311.6/19

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

Right Out: 1676.517 $\pm$ 0.398 χ^2 /NDF: 1525310.9/23

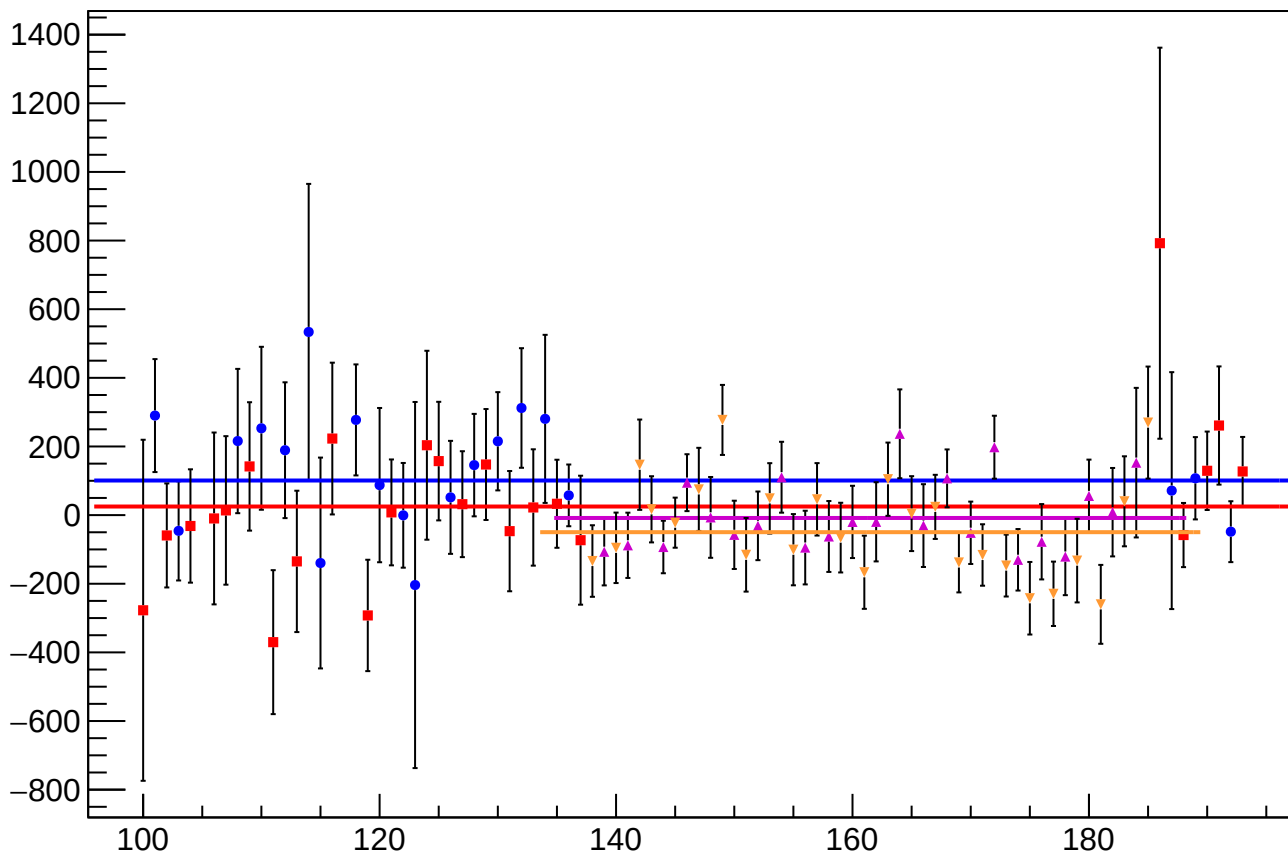
Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

+ sign 949.212 $\pm$ 0.136 χ^2 /NDF: 4384925.2/44

All: 960.612 $\pm$ 0.098 χ^2 /NDF: 10064307.4/9

- sign 972.580 $\pm$ 0.140 χ^2 /NDF: 5665059.1/46

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 100.817 ± 35.806 χ^2/NDF : 12.7/19

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: 25.028 ± 33.209 χ^2/NDF : 18.4/23

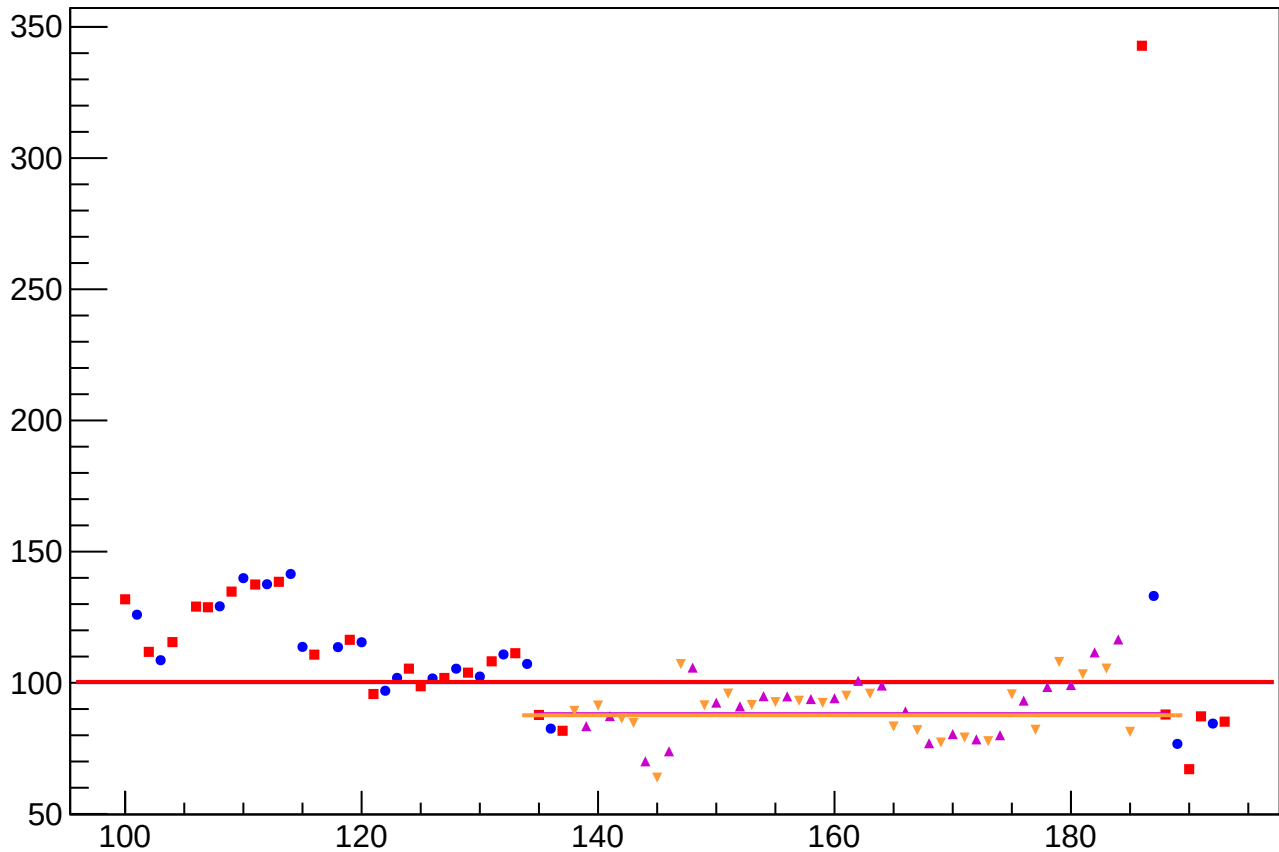
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign -12.337 ± 17.843 χ^2/NDF : 65.4/44

All: -5.512 ± 12.641 χ^2/NDF : 106.8/91

- sign 1.365 ± 17.912 χ^2/NDF : 41.1/46

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 100.240 $\pm$ 0.025 χ^2 /NDF: 513908.0/19

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 100.337 $\pm$ 0.023 χ^2 /NDF: 999268.9/23

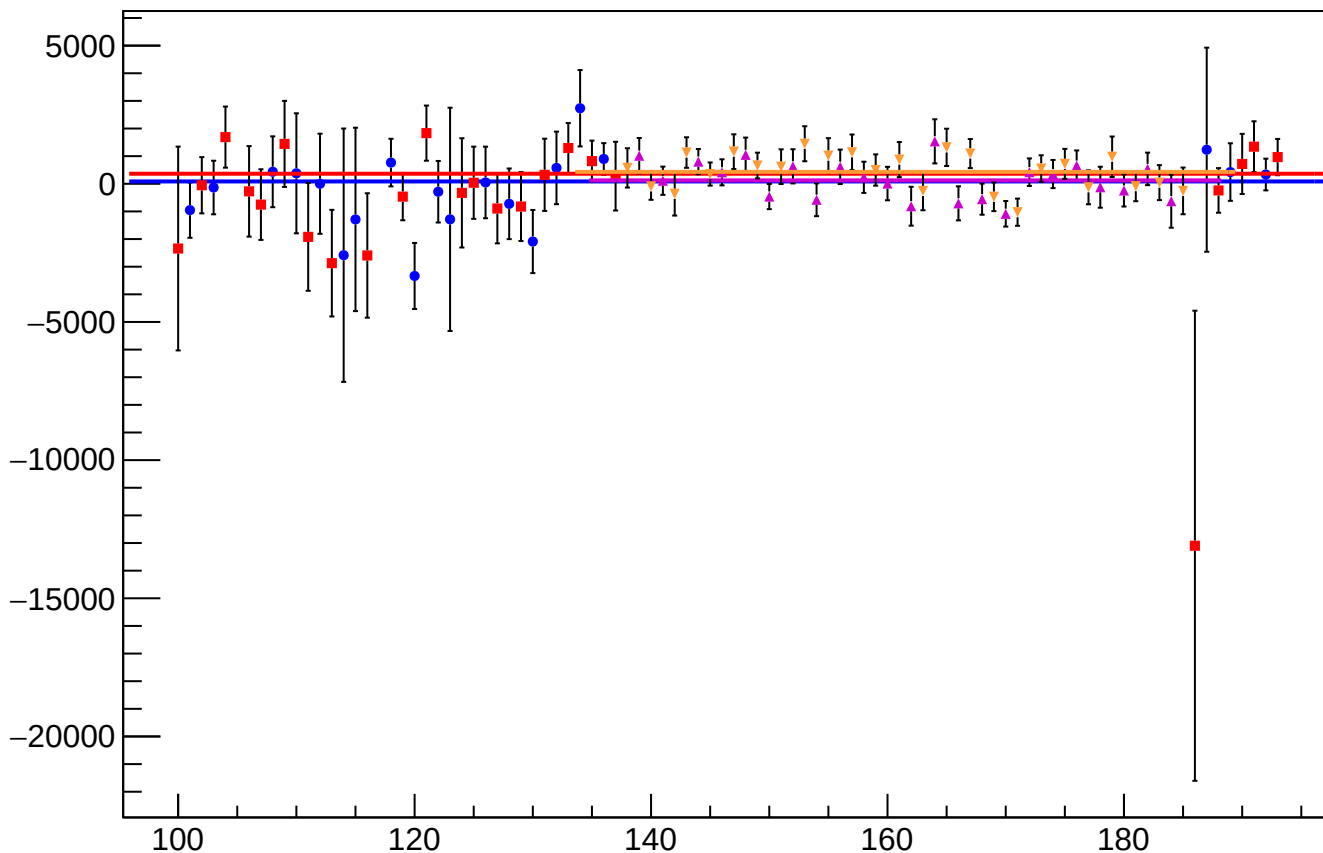
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 90.758 $\pm$ 0.013 χ^2 /NDF: 1255180.9/44

All: 91.183 $\pm$ 0.009 χ^2 /NDF: 2975127.9/91

- sign 91.612 $\pm$ 0.013 χ^2 /NDF: 1717665.6/46

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 85.307 $\pm$ 246.854 χ^2 /NDF: 21.0/19

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF: 30.5/24

Right Out: 364.595 $\pm$ 231.614 χ^2 /NDF: 21.2/23

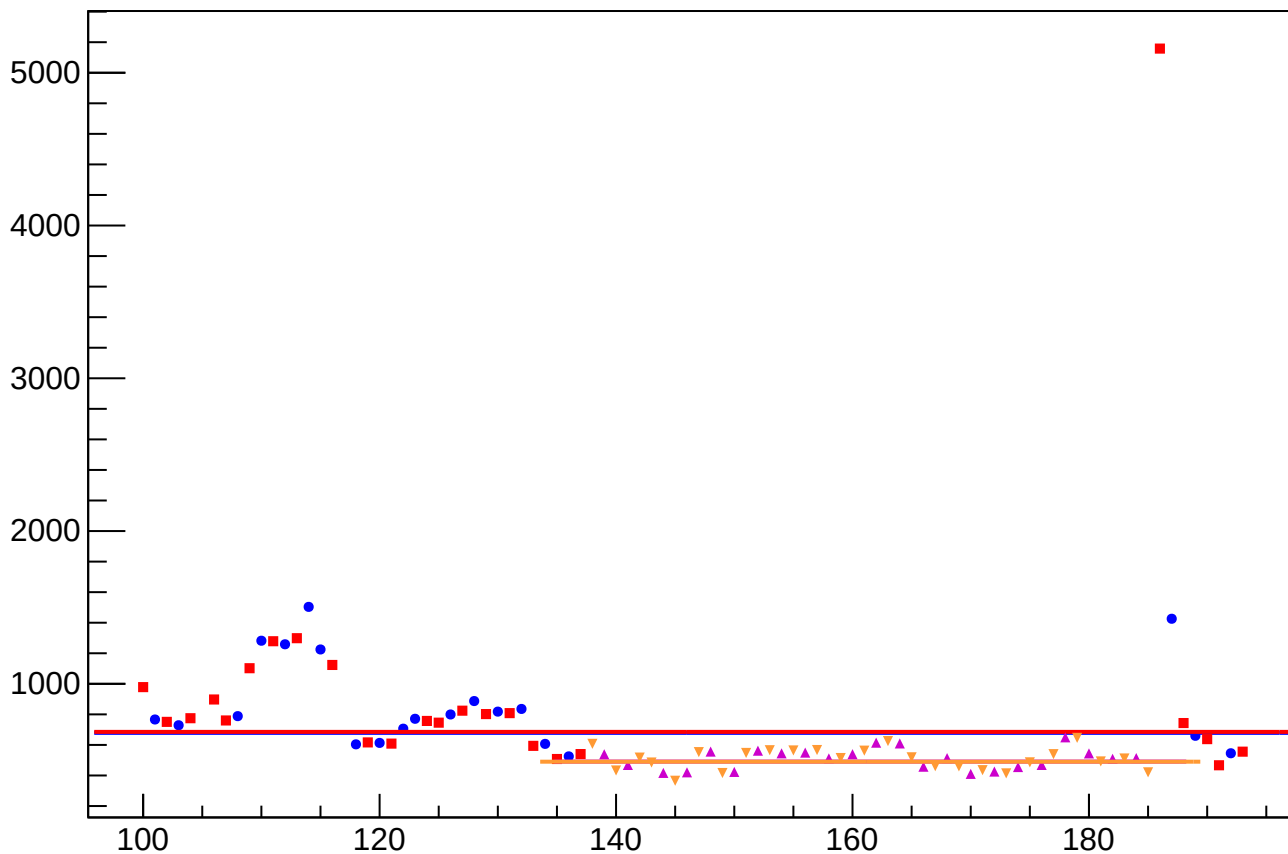
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF: 29.3/22

+ sign 369.271 $\pm$ 104.768 χ^2 /NDF: 53.1/44

All: 272.225 $\pm$ 74.424 χ^2 /NDF: 106.2/91

- sign 173.368 $\pm$ 105.741 χ^2 /NDF: 51.4/46

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 679.015 $\pm$ 0.175 χ^2 /NDF: 1006393.9/19

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

+ sign 524.265 $\pm$ 0.074 χ^2 /NDF: 2715329.1/44

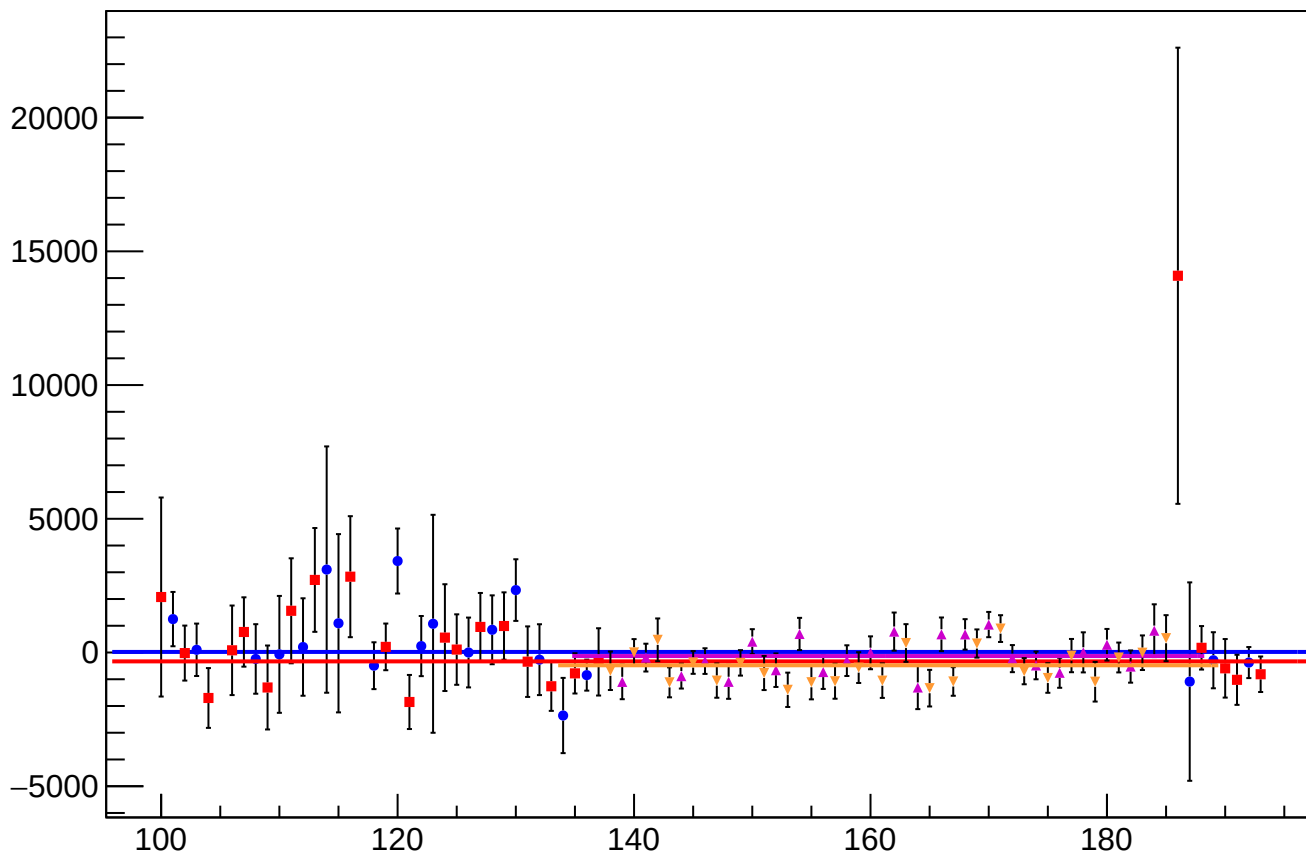
Right Out: 685.421 $\pm$ 0.164 χ^2 /NDF: 1691702.1/23

All: 527.825 $\pm$ 0.053 χ^2 /NDF: 6117487.9/91

Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

- sign 531.451 $\pm$ 0.075 χ^2 /NDF: 3397498.3/46

asym_sam_26_48_dd_mean vs Slug



Right In: 21.338 ± 249.792 χ^2/NDF : 20.6/19

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -332.137 ± 234.487 χ^2/NDF : 19.4/23

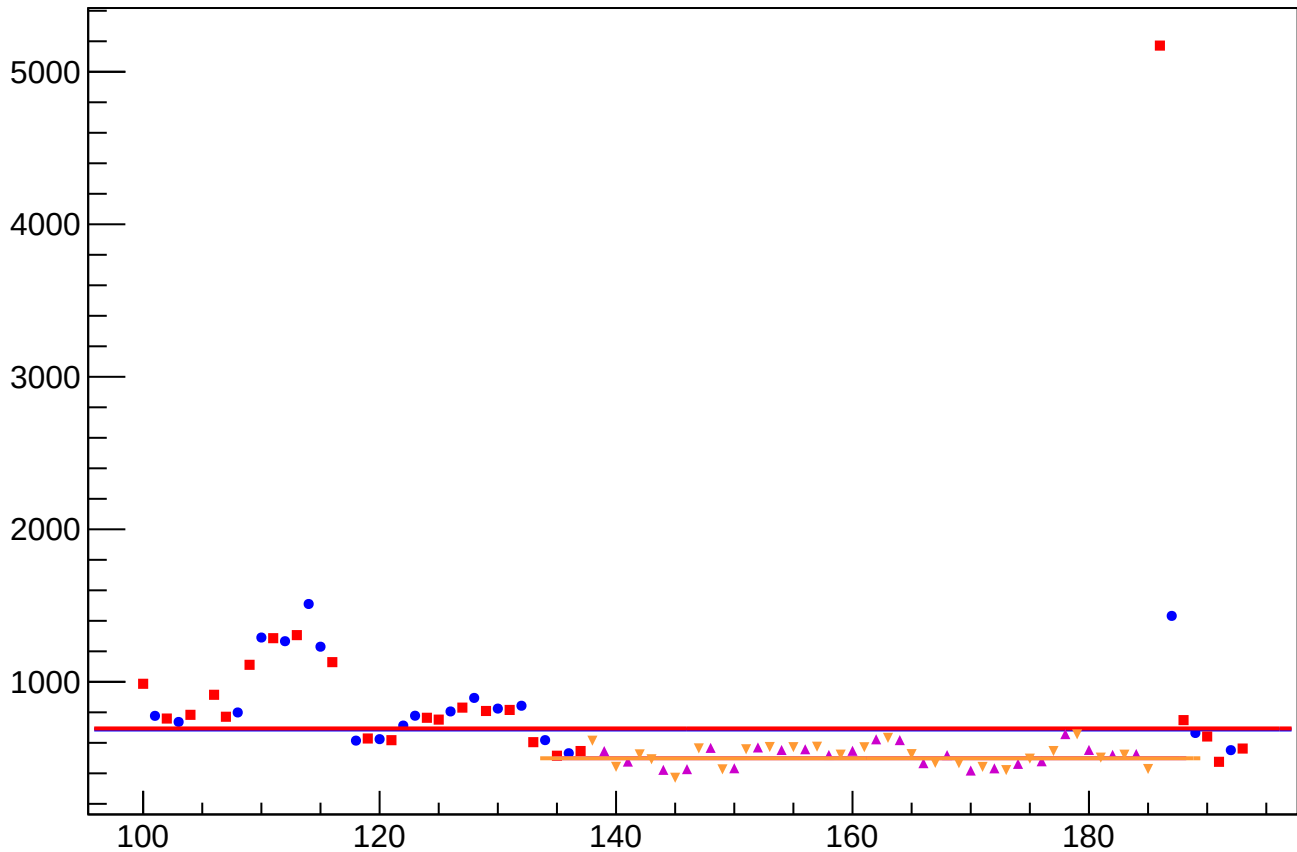
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -387.491 ± 106.442 χ^2/NDF : 51.6/44

All: -281.954 ± 75.614 χ^2/NDF : 103.1/91

- sign -174.441 ± 107.434 χ^2/NDF : 49.5/46

asym_sam_26_48_dd_rms vs Slug



Right In: 687.511 $\pm$ 0.177 χ^2 /NDF: 991331.2/19

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 694.411 $\pm$ 0.166 χ^2 /NDF: 1669099.4/23

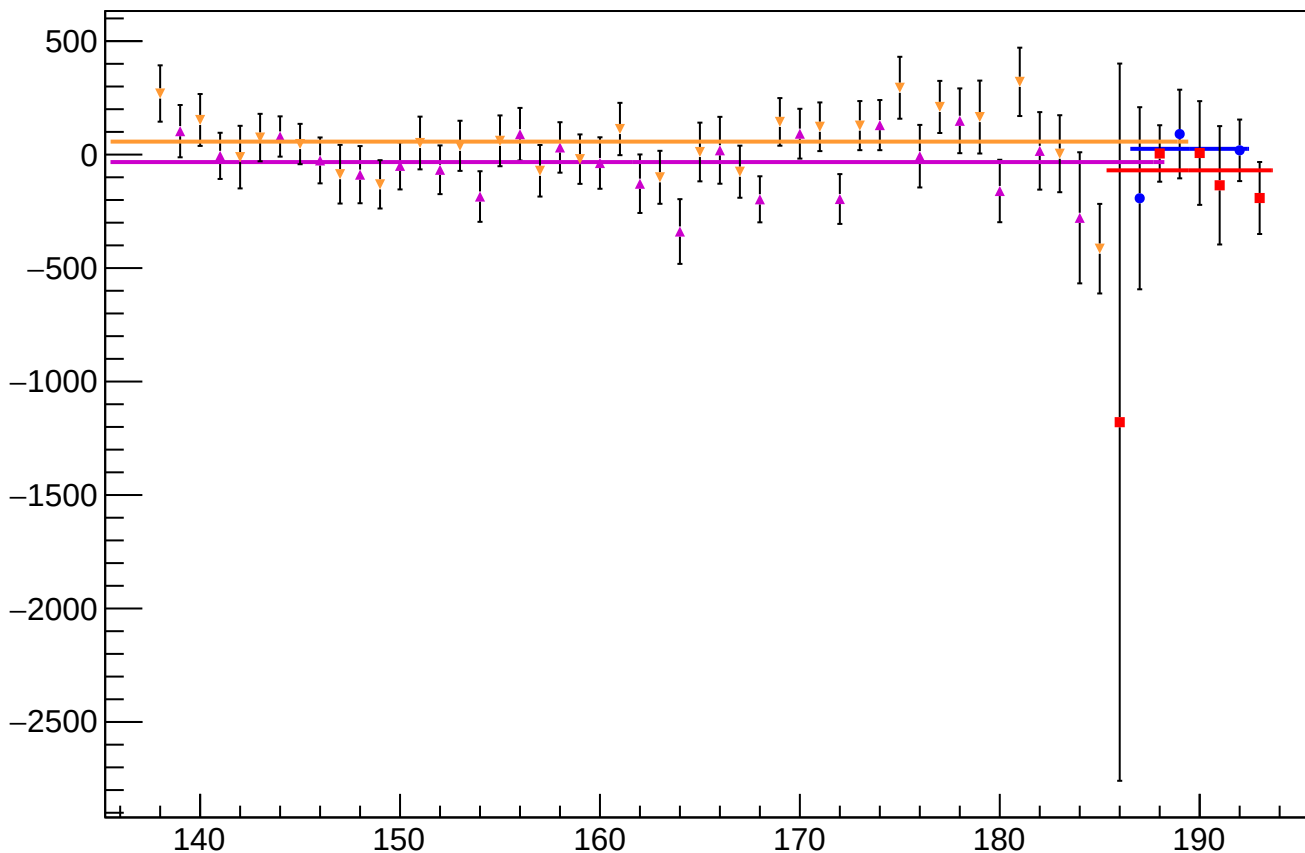
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 533.029 $\pm$ 0.075 χ^2 /NDF: 2660291.1/44

All: 536.646 $\pm$ 0.053 χ^2 /NDF: 6003577.5/91

- sign 540.330 $\pm$ 0.076 χ^2 /NDF: 3338624.7/46

reg_asym_sam_1548_avg_mean vs Slug



Right In: 25.391 $\pm$ 107.308 χ^2 /NDF: 0.4/2

Left Out: 57.211 $\pm$ 23.714 χ^2 /NDF: 29.2/24

Right Out: -69.332 $\pm$ 84.948 χ^2 /NDF: 1.6/4

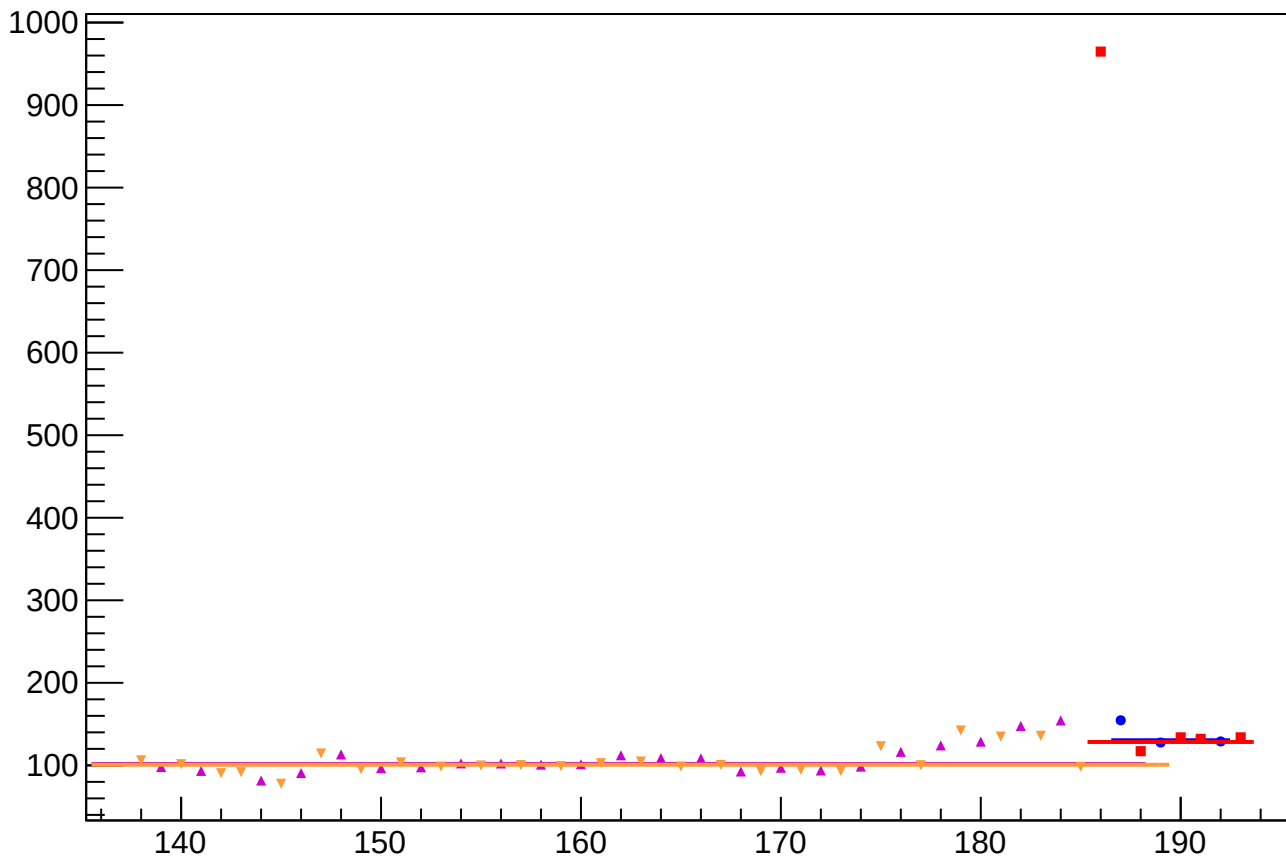
Left In: -32.948 $\pm$ 24.587 χ^2 /NDF: 23.6/22

+ sign 55.729 $\pm$ 23.155 χ^2 /NDF: 29.7/27

All: 10.889 $\pm$ 16.534 χ^2 /NDF: 62.7/55

- sign -35.761 $\pm$ 23.618 χ^2 /NDF: 25.4/27

reg_asym_sam_1548_avg_rms vs Slug



Right In: 130.429+/-0.076 χ^2/NDF : 7894.8/2

Left Out: 100.801+/-0.017 χ^2/NDF : 600502.4/24

Right Out: 128.352+/-0.060 χ^2/NDF : 580624.7/4

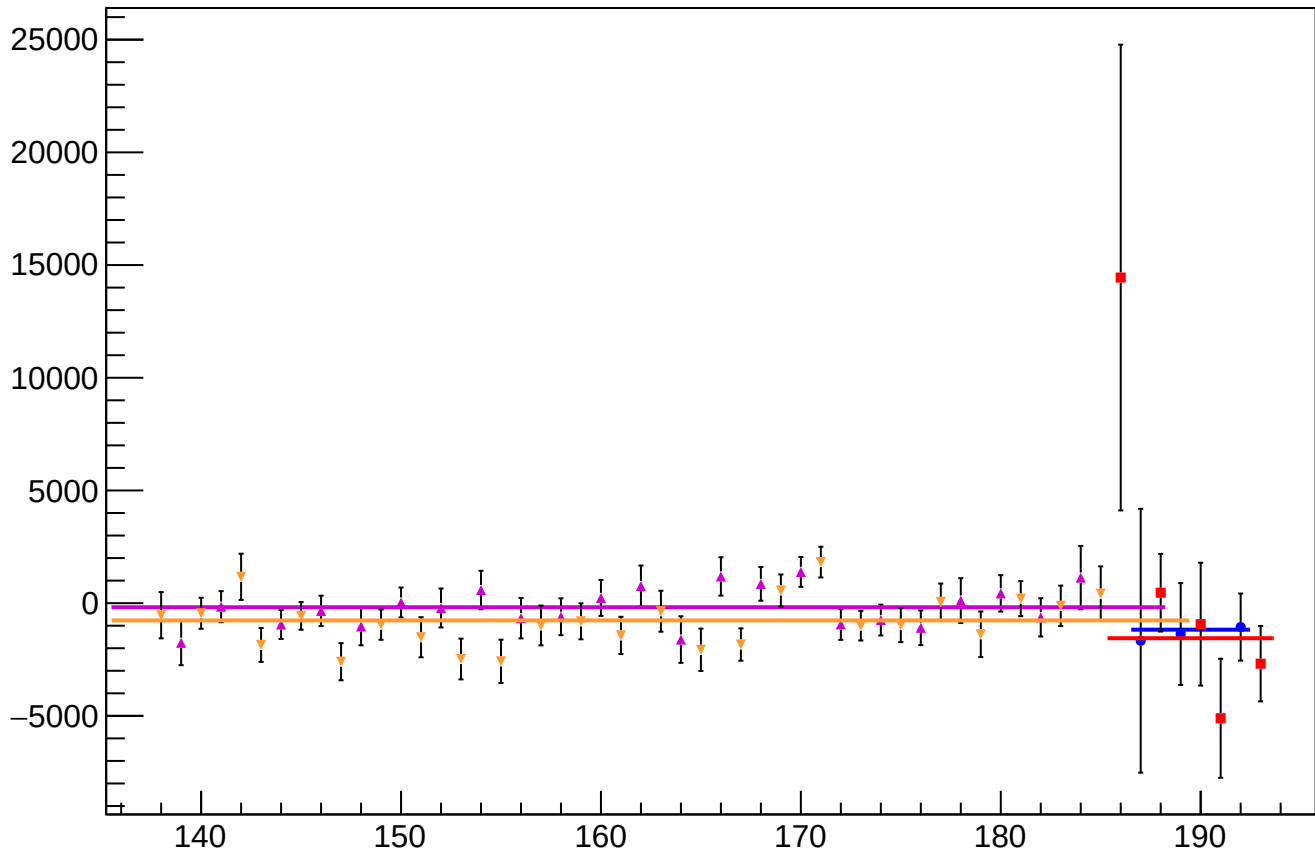
Left In: 101.622+/-0.017 χ^2/NDF : 582329.3/22

+ sign 102.180+/-0.016 χ^2/NDF : 753768.6/27

All: 102.919+/-0.012 χ^2/NDF : 2103602.1/55

- sign 103.688+/-0.017 χ^2/NDF : 1345676.7/27

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1176.581 ± 1215.260 χ^2/NDF : 0.0/2

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1555.424 ± 1008.913 χ^2/NDF : 6.1/4

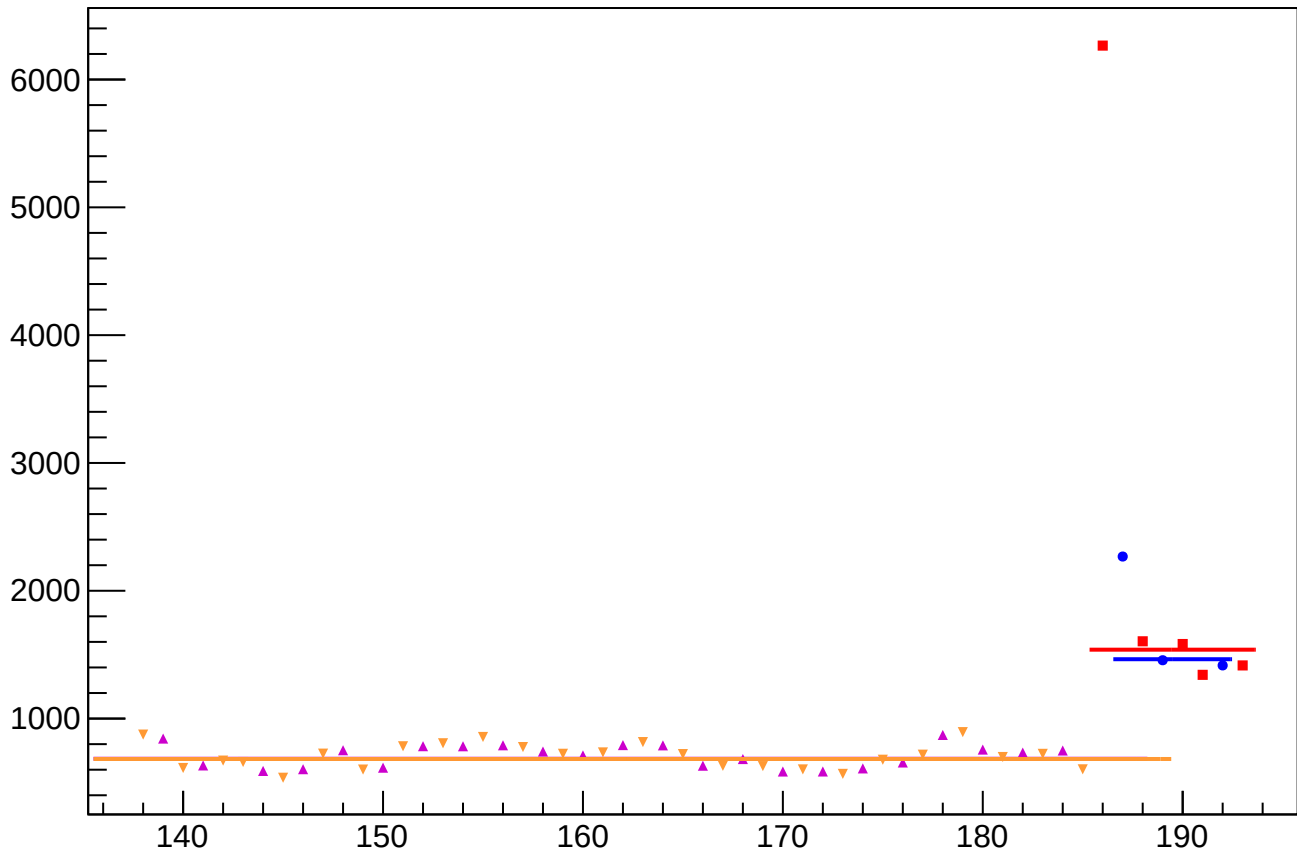
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -773.439 ± 159.670 χ^2/NDF : 46.7/27

All: -502.102 ± 114.227 χ^2/NDF : 85.5/55

- sign -217.655 ± 163.481 χ^2/NDF : 32.9/27

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1464.428 $\pm$ 0.859 χ^2 /NDF: 39849.1/2

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1539.114 $\pm$ 0.713 χ^2 /NDF: 443953.6/4

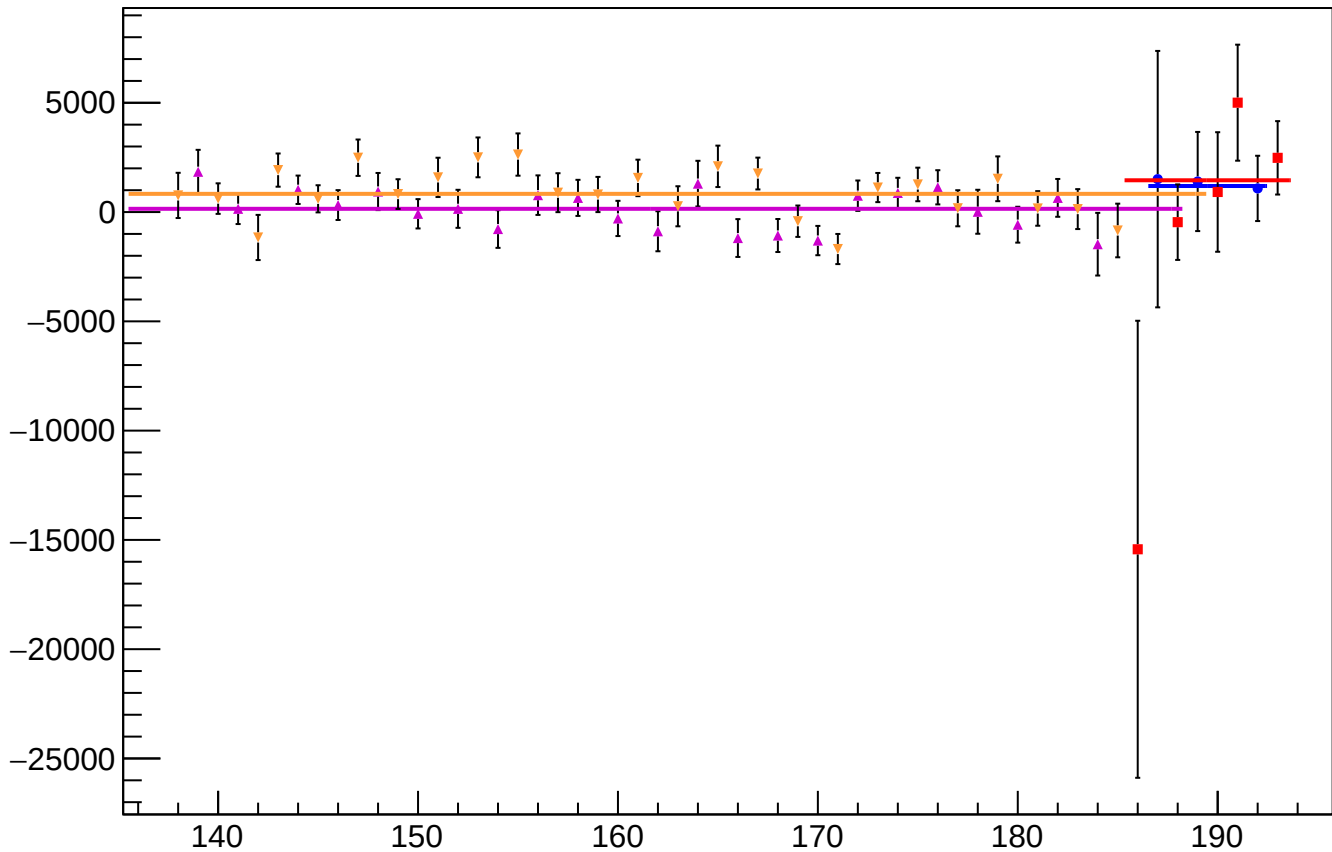
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 697.359 $\pm$ 0.113 χ^2 /NDF: 1517825.6/27

All: 702.555 $\pm$ 0.081 χ^2 /NDF: 3889258.8/55

- sign 708.003 $\pm$ 0.116 χ^2 /NDF: 2367093.9/27

asym_sam_1548_avg_mean vs Slug



Right In: 1192.245 $\pm$ 1220.197 χ^2 /NDF: 0.0/2

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF:43.2/24

Right Out: 1454.358 $\pm$ 1013.025 χ^2 /NDF: 6.0/4

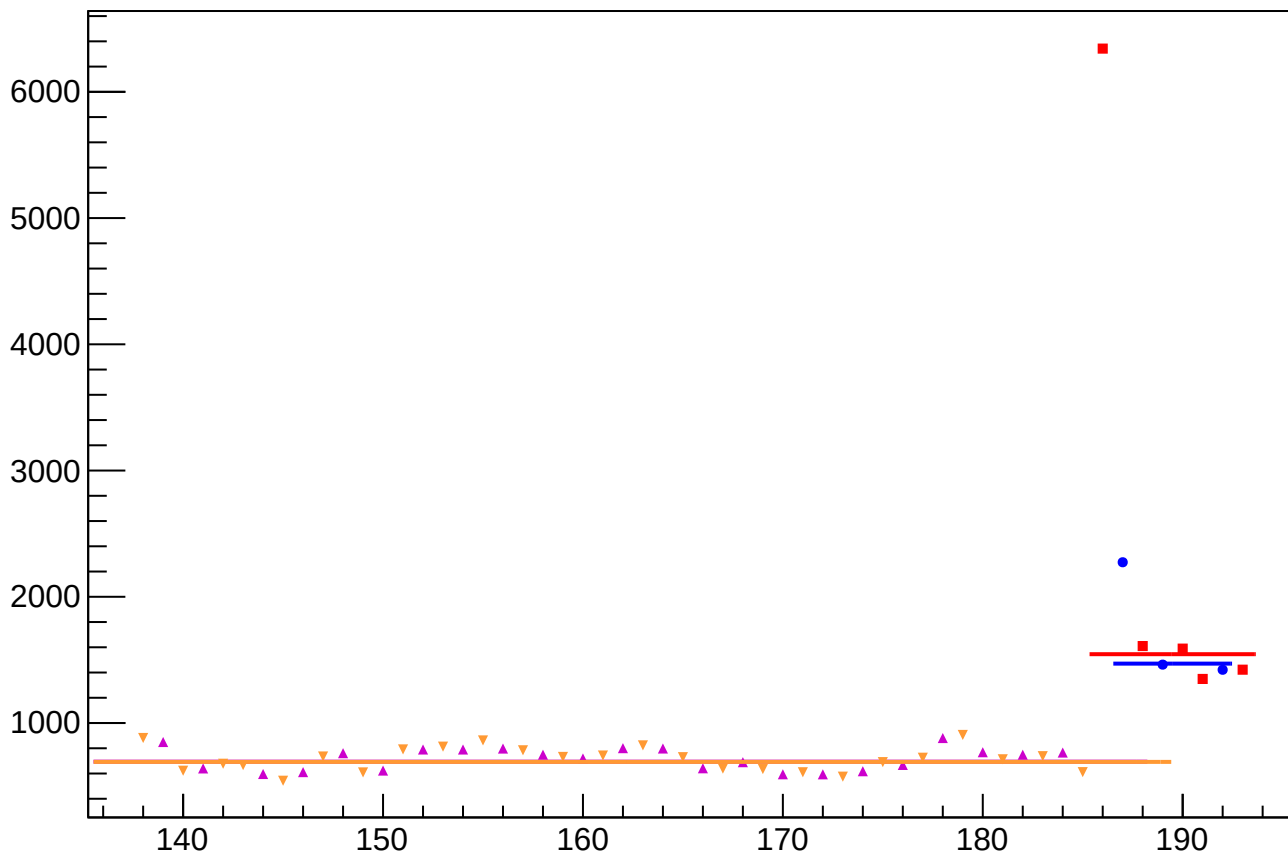
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF:26.0/22

+ sign 839.683 $\pm$ 161.531 χ^2 /NDF: 43.3/27

All: 519.402 $\pm$ 115.561 χ^2 /NDF: 85.1/55

- sign 183.615 $\pm$ 165.395 χ^2 /NDF: 33.7/27

asym_sam_1548_avg_rms vs Slug



Right In: 1470.499+/-0.863 χ^2/NDF : 39616.9/2

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1545.252+/-0.716 χ^2/NDF : 445932.8/4

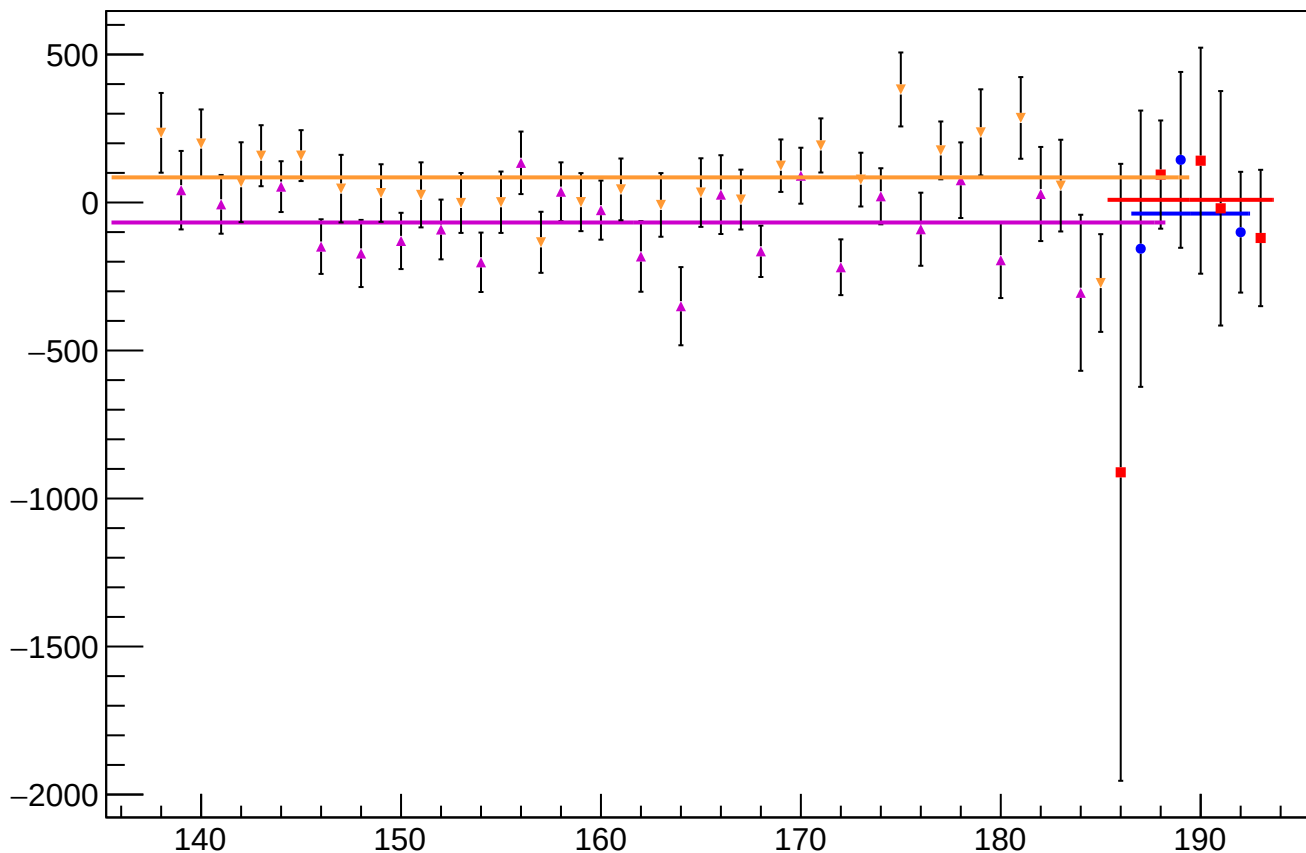
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 705.738+/-0.114 χ^2/NDF : 1496525.9/27

All: 711.022+/-0.082 χ^2/NDF : 3843912.8/55

- sign 716.562+/-0.117 χ^2/NDF : 2343002.8/27

reg_asym_sam_3748_avg_mean vs Slug



Right In: -37.442 ± 158.200 χ^2/NDF : 0.5/2

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 9.032 ± 126.038 χ^2/NDF : 1.4/4

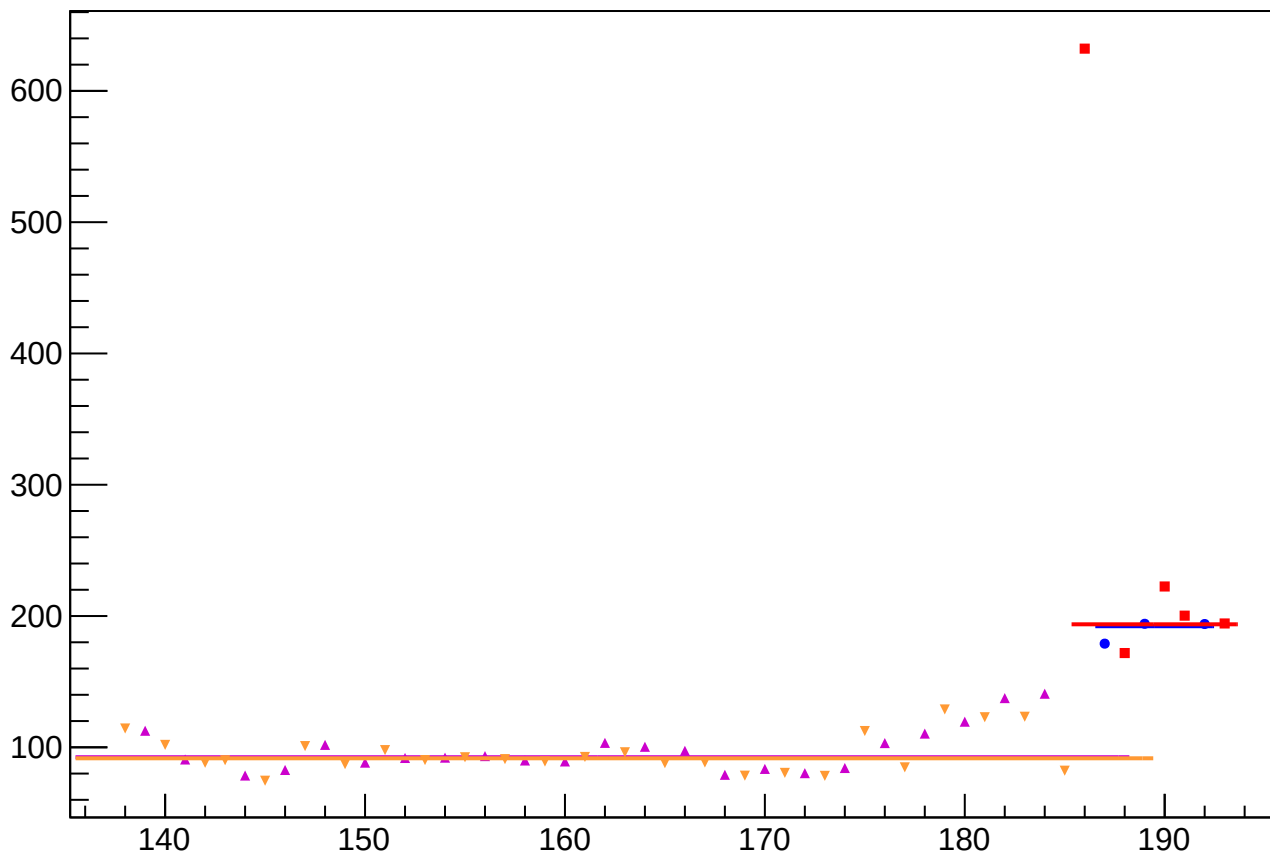
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 82.613 ± 21.443 χ^2/NDF : 29.6/27

All: 10.942 ± 15.390 χ^2/NDF : 83.3/55

- sign -65.197 ± 22.101 χ^2/NDF : 30.6/27

reg_asym_sam_3748_avg_rms vs Slug



Right In: 192.247 $\pm$ 0.112 χ^2/NDF : 1831.8/2

Left Out: 91.633 $\pm$ 0.015 χ^2/NDF : 693122.0/24

Right Out: 193.695 $\pm$ 0.089 χ^2/NDF : 394776.3/4

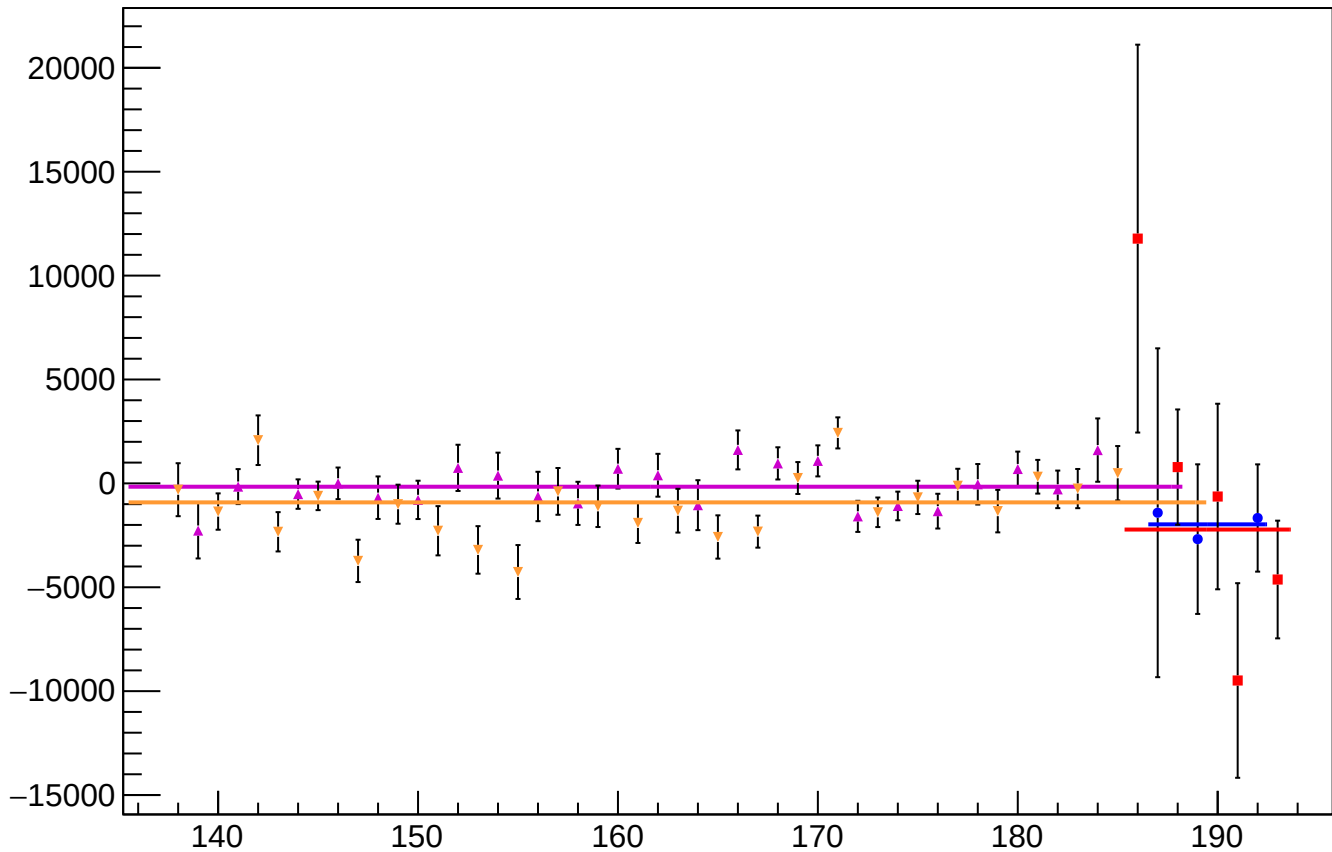
Left In: 92.466 $\pm$ 0.016 χ^2/NDF : 655700.4/22

+ sign 93.481 $\pm$ 0.015 χ^2/NDF : 1489068.0/27

All: 94.498 $\pm$ 0.011 χ^2/NDF : 3799294.3/55

- sign 95.579 $\pm$ 0.016 χ^2/NDF : 2300948.1/27

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1972.372 ± 2027.939 χ^2/NDF : 0.1/2

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -2222.121 ± 1662.495 χ^2/NDF : 6.7/4

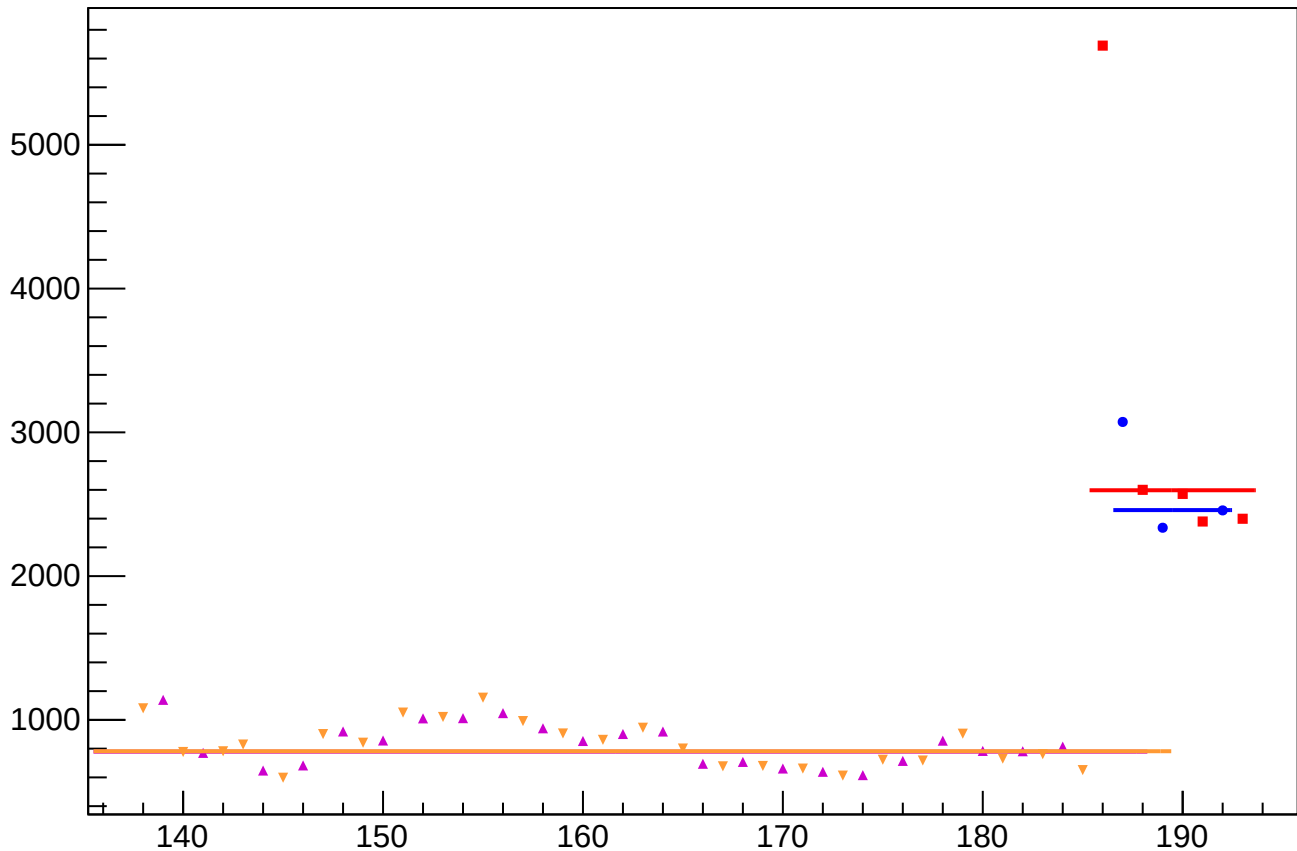
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -923.480 ± 184.572 χ^2/NDF : 64.5/27

All: -562.798 ± 131.800 χ^2/NDF : 105.6/55

- sign -187.509 ± 188.272 χ^2/NDF : 33.3/27

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2459.306 $\pm$ 1.434 χ^2/NDF : 14332.6/2

Left Out: 782.042 $\pm$ 0.131 χ^2/NDF : 1130984.3/24

Right Out: 2597.239 $\pm$ 1.176 χ^2/NDF : 233741.9/4

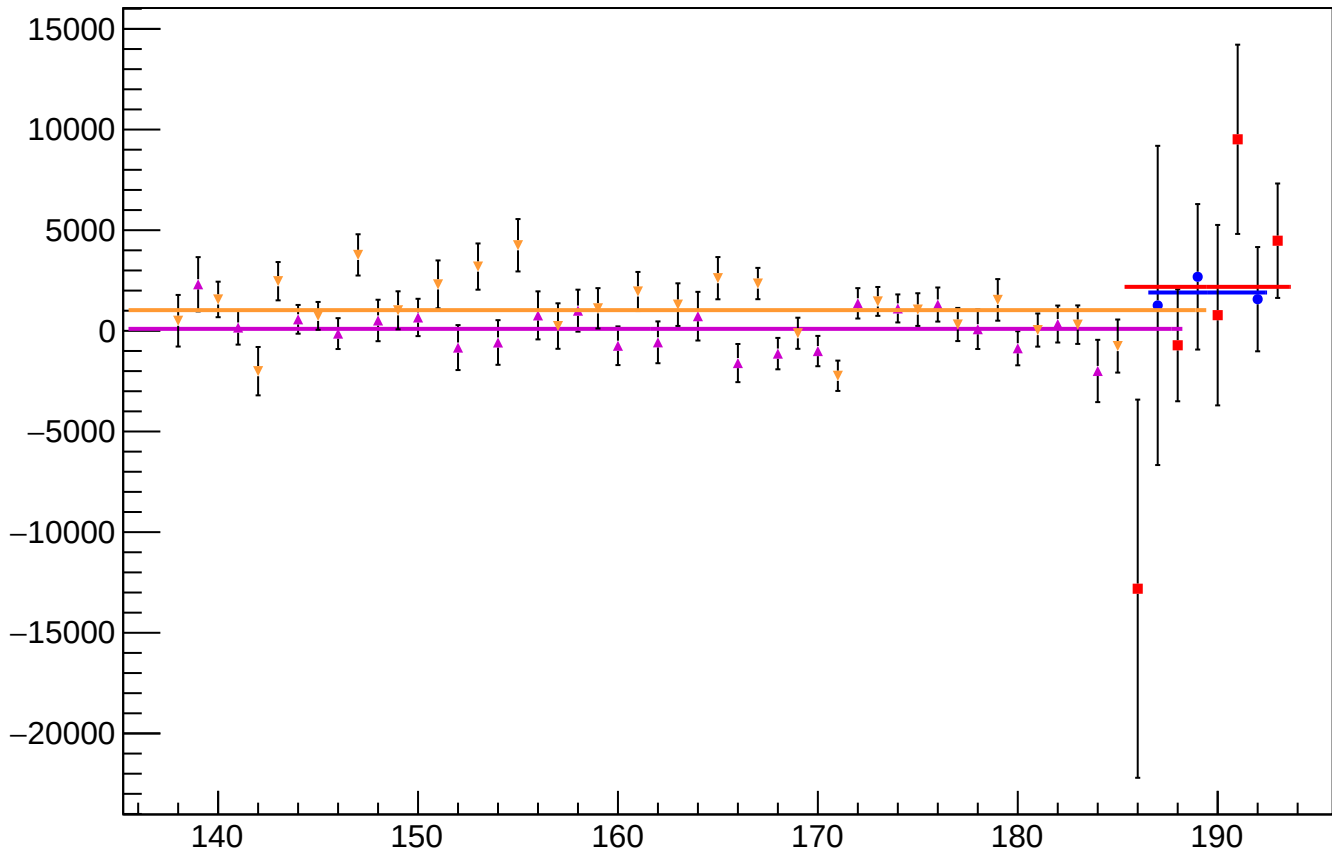
Left In: 778.995 $\pm$ 0.134 χ^2/NDF : 980243.4/22

+ sign 795.936 $\pm$ 0.131 χ^2/NDF : 2502101.9/27

All: 799.061 $\pm$ 0.093 χ^2/NDF : 6078867.8/55

- sign 802.313 $\pm$ 0.133 χ^2/NDF : 3575595.6/27

asym_sam_3748_avg_mean vs Slug



Right In: 1904.959 $\pm$ 2034.518 χ^2 /NDF: 0.1/2

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF: 60.2/24

Right Out: 2185.811 $\pm$ 1667.966 χ^2 /NDF: 6.8/4

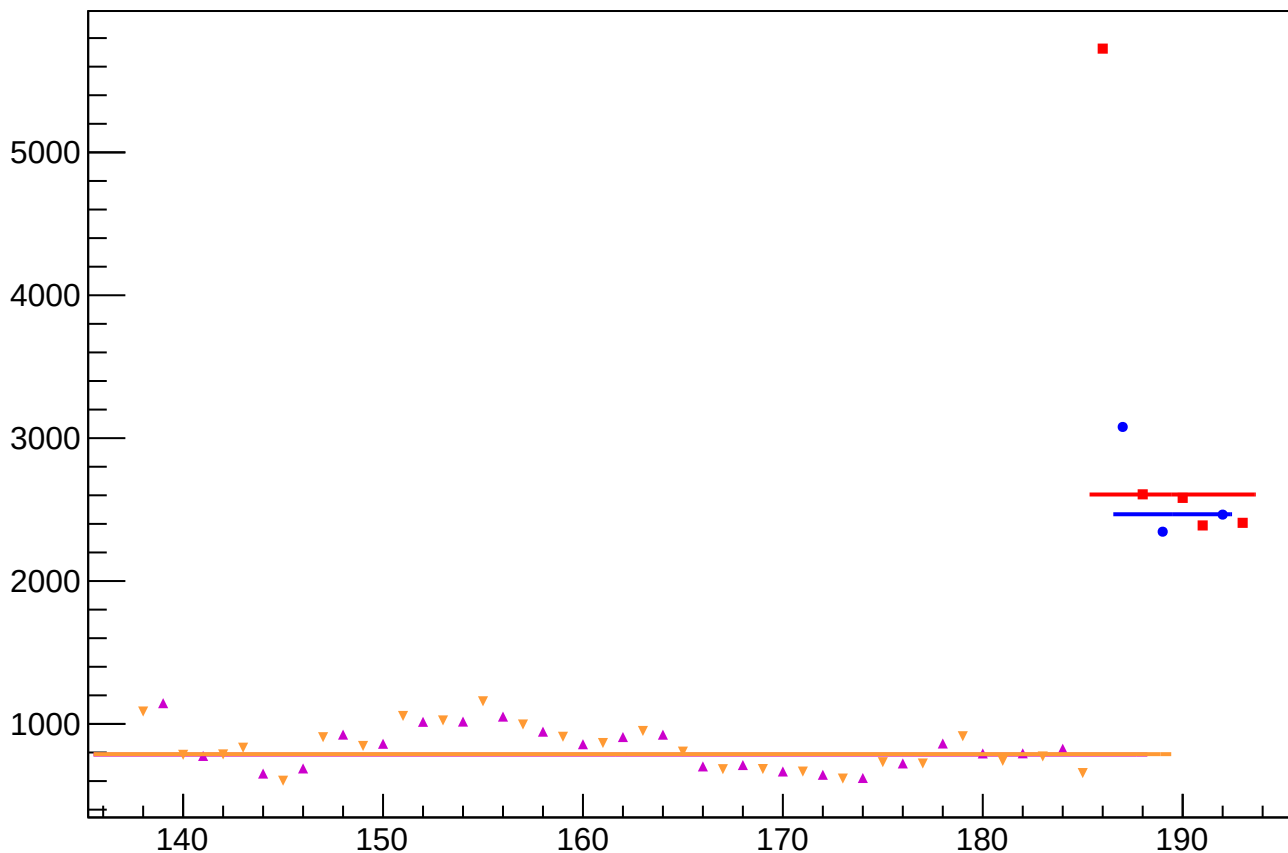
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF: 25.4/22

+ sign 1036.189 $\pm$ 186.028 χ^2 /NDF: 60.4/27

All: 590.056 $\pm$ 132.850 χ^2 /NDF: 105.9/55

- sign 125.712 $\pm$ 189.786 χ^2 /NDF: 33.7/27

asym_sam_3748_avg_rms vs Slug



Right In: 2467.416 $\pm$ 1.439 χ^2/NDF : 14160.4/2

Left Out: 788.442 $\pm$ 0.132 χ^2/NDF : 1113741.6/24

Right Out: 2605.653 $\pm$ 1.179 χ^2/NDF : 234739.4/4

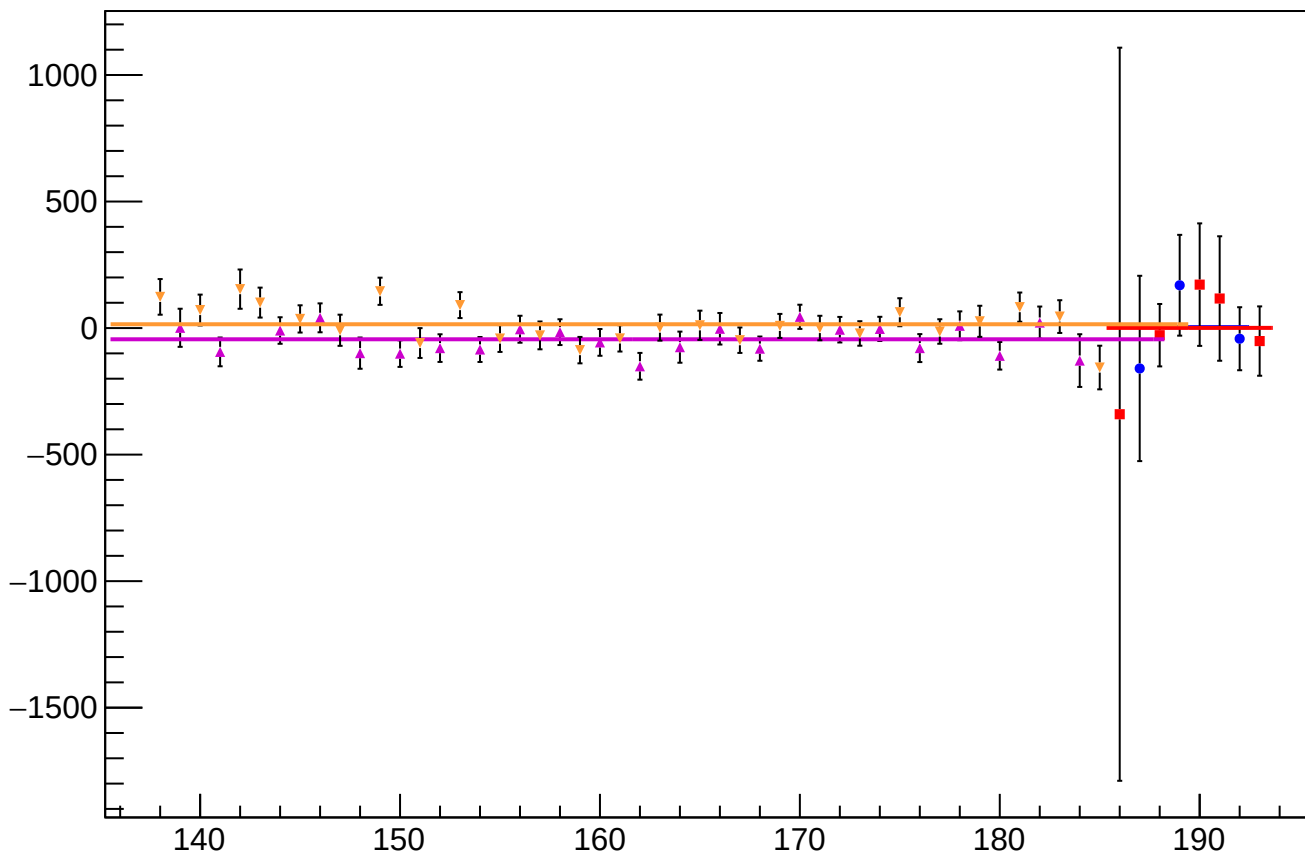
Left In: 785.490 $\pm$ 0.135 χ^2/NDF : 965338.9/22

+ sign 802.479 $\pm$ 0.132 χ^2/NDF : 2478571.2/27

All: 805.701 $\pm$ 0.094 χ^2/NDF : 6030677.1/55

- sign 809.055 $\pm$ 0.134 χ^2/NDF : 3550881.1/27

reg_asym_sam_1526_avg_mean vs Slug



Right In: 3.688 $\pm$ 101.434 χ^2 /NDF: 1.0/2

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: 0.752 $\pm$ 80.815 χ^2 /NDF: 1.0/4

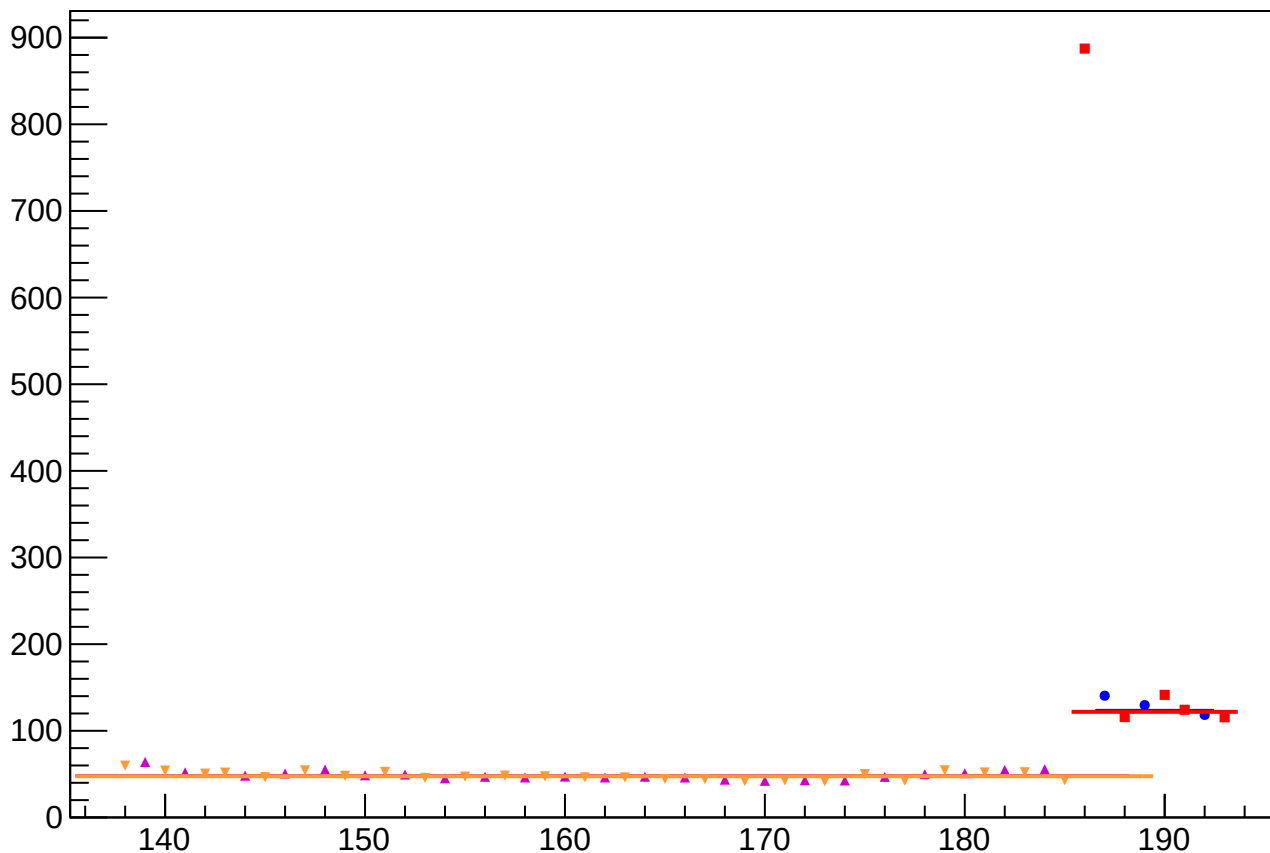
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 14.963 $\pm$ 11.087 χ^2 /NDF: 35.2/27

All: -13.371 $\pm$ 7.953 χ^2 /NDF: 72.3/55

- sign -43.399 $\pm$ 11.414 χ^2 /NDF: 23.6/27

reg_asym_sam_1526_avg_rms vs Slug



Right In: 122.986 $\pm$ 0.072 χ^2 /NDF: 9638.4/2

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 121.917 $\pm$ 0.057 χ^2 /NDF: 580957.0/4

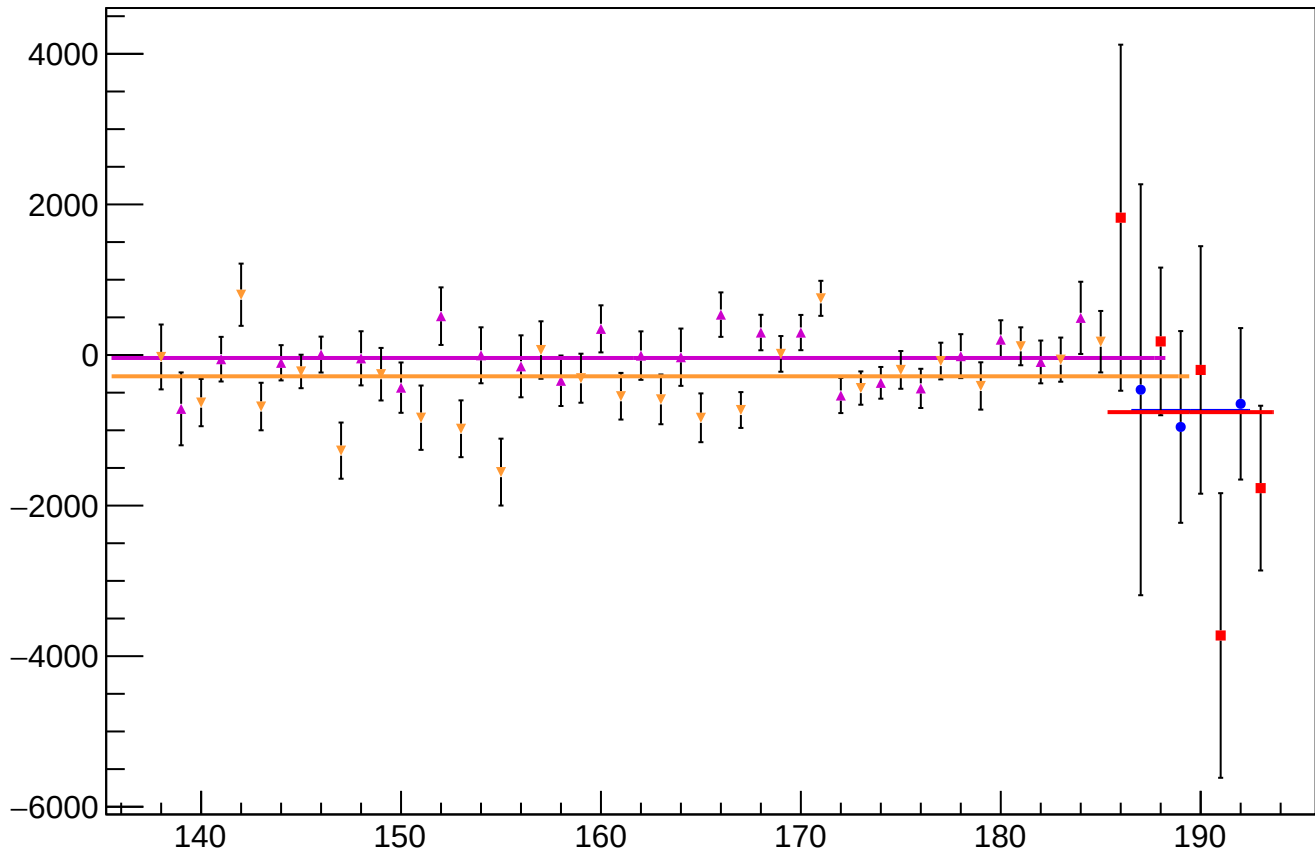
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 48.487 $\pm$ 0.008 χ^2 /NDF: 1414425.4/27

All: 48.893 $\pm$ 0.006 χ^2 /NDF: 3929273.8/55

- sign 49.324 $\pm$ 0.008 χ^2 /NDF: 2509321.5/27

asym_sam_1526_avg_correction_mean vs Slug



Right In: -742.763+/-758.306 χ^2 /NDF: 0.0/2

Left Out: -282.798+/-59.690 χ^2 /NDF:66.5/24

Right Out: -758.679+/-606.921 χ^2 /NDF: 5.6/4

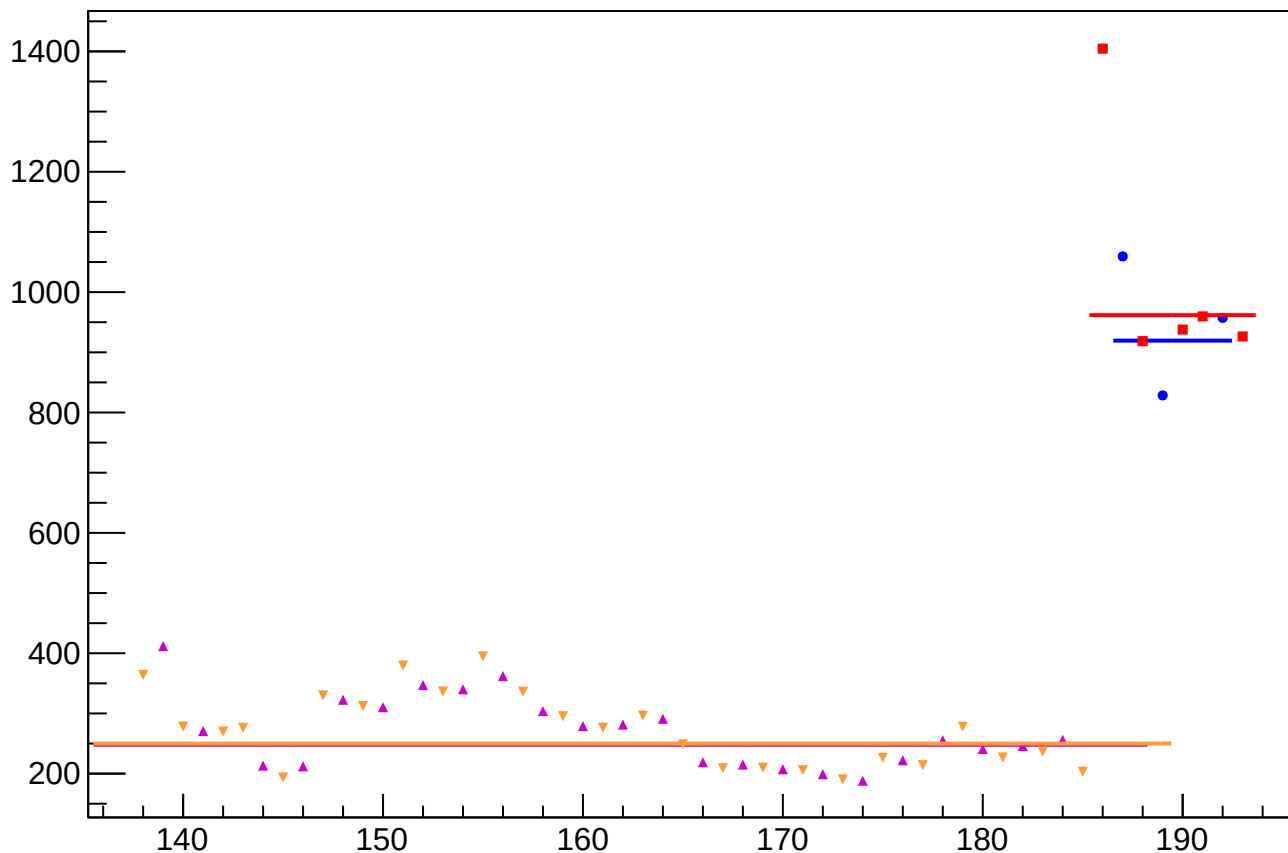
Left In: -39.432+/-60.759 χ^2 /NDF:27.5/22

+ sign -285.631+/-59.506 χ^2 /NDF: 66.9/27

All: -167.994+/-42.409 χ^2 /NDF: 109.4/55

- sign -46.569+/-60.457 χ^2 /NDF: 34.5/27

asym_sam_1526_avg_correction_rms vs Slug



Right In: 919.420 ± 0.536 χ^2/NDF : 18306.2/2

Left Out: 249.956 ± 0.042 χ^2/NDF : 1614205.9/24

Right Out: 961.724 ± 0.429 χ^2/NDF : 80642.4/4

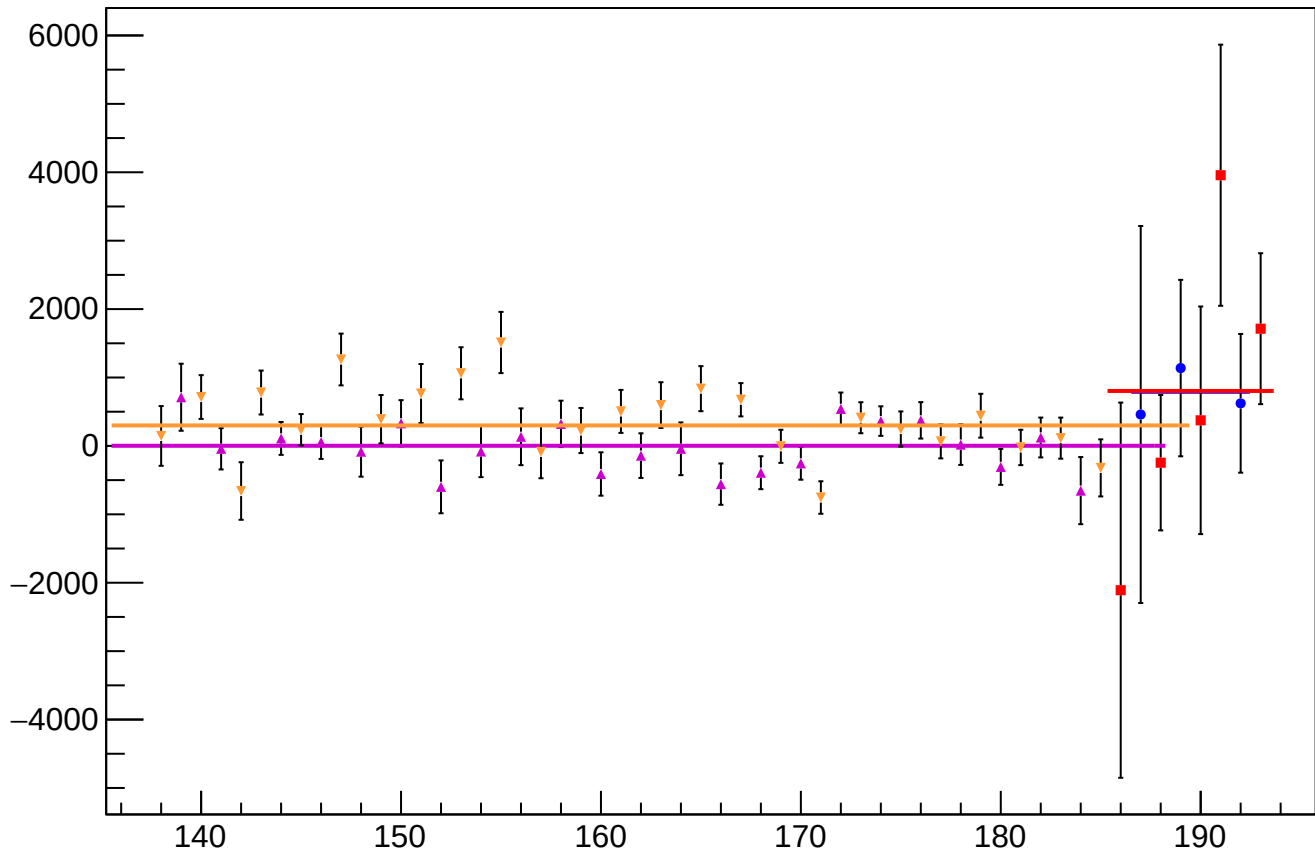
Left In: 247.917 ± 0.043 χ^2/NDF : 1410847.5/22

+ sign 254.079 ± 0.042 χ^2/NDF : 3181729.2/27

All: 254.532 ± 0.030 χ^2/NDF : 7412486.9/55

- sign 255.000 ± 0.043 χ^2/NDF : 4230522.1/27

asym_sam_1526_avg_mean vs Slug



Right In: 791.670 $\pm$ 765.639 χ^2 /NDF: 0.1/2

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF: 62.5/24

Right Out: 803.322 $\pm$ 618.690 χ^2 /NDF: 5.7/4

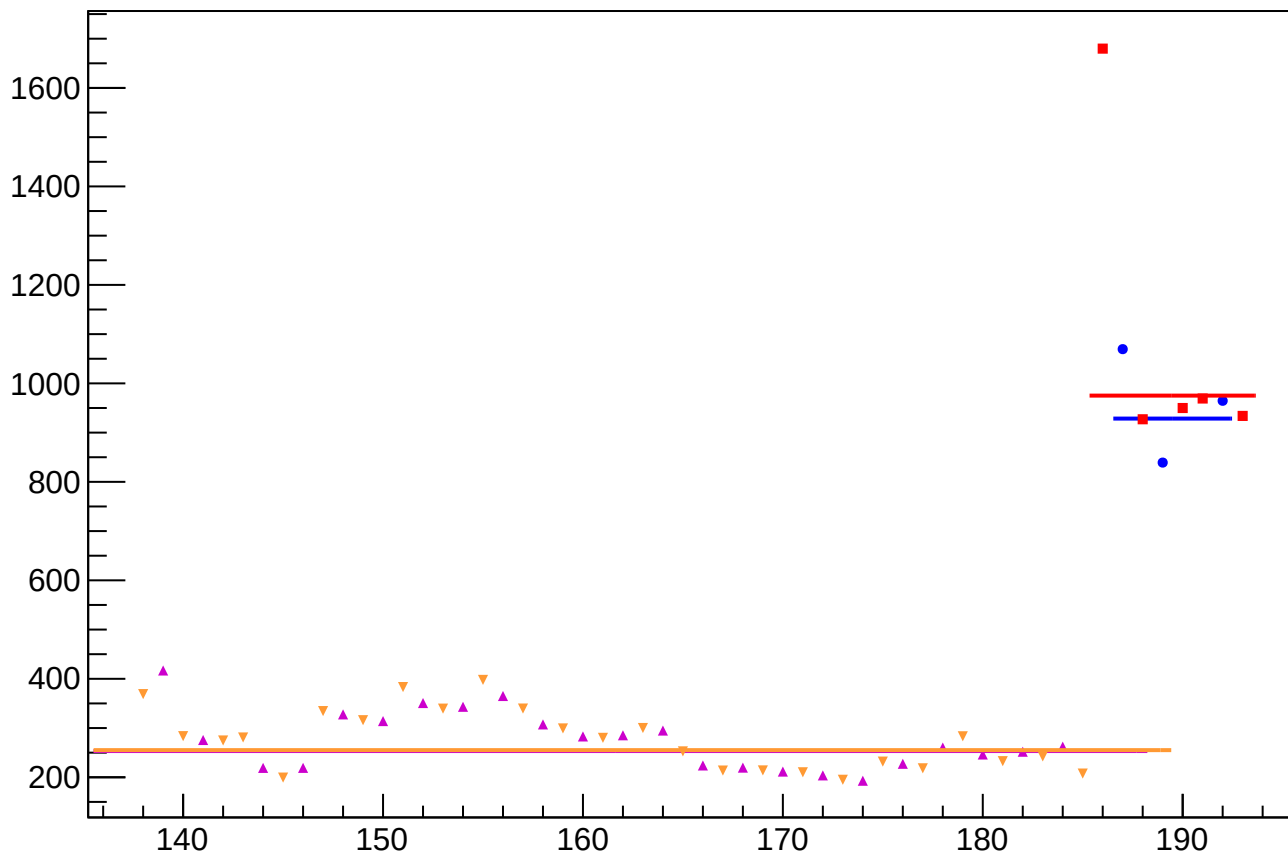
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF: 29.2/22

+ sign 302.652 $\pm$ 60.668 χ^2 /NDF: 63.0/27

All: 158.858 $\pm$ 43.258 χ^2 /NDF: 111.0/55

- sign 10.152 $\pm$ 61.696 χ^2 /NDF: 36.6/27

asym_sam_1526_avg_rms vs Slug



Right In: 928.488+/-0.541 χ^2/NDF : 17384.1/2

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 975.148+/-0.437 χ^2/NDF : 140046.7/4

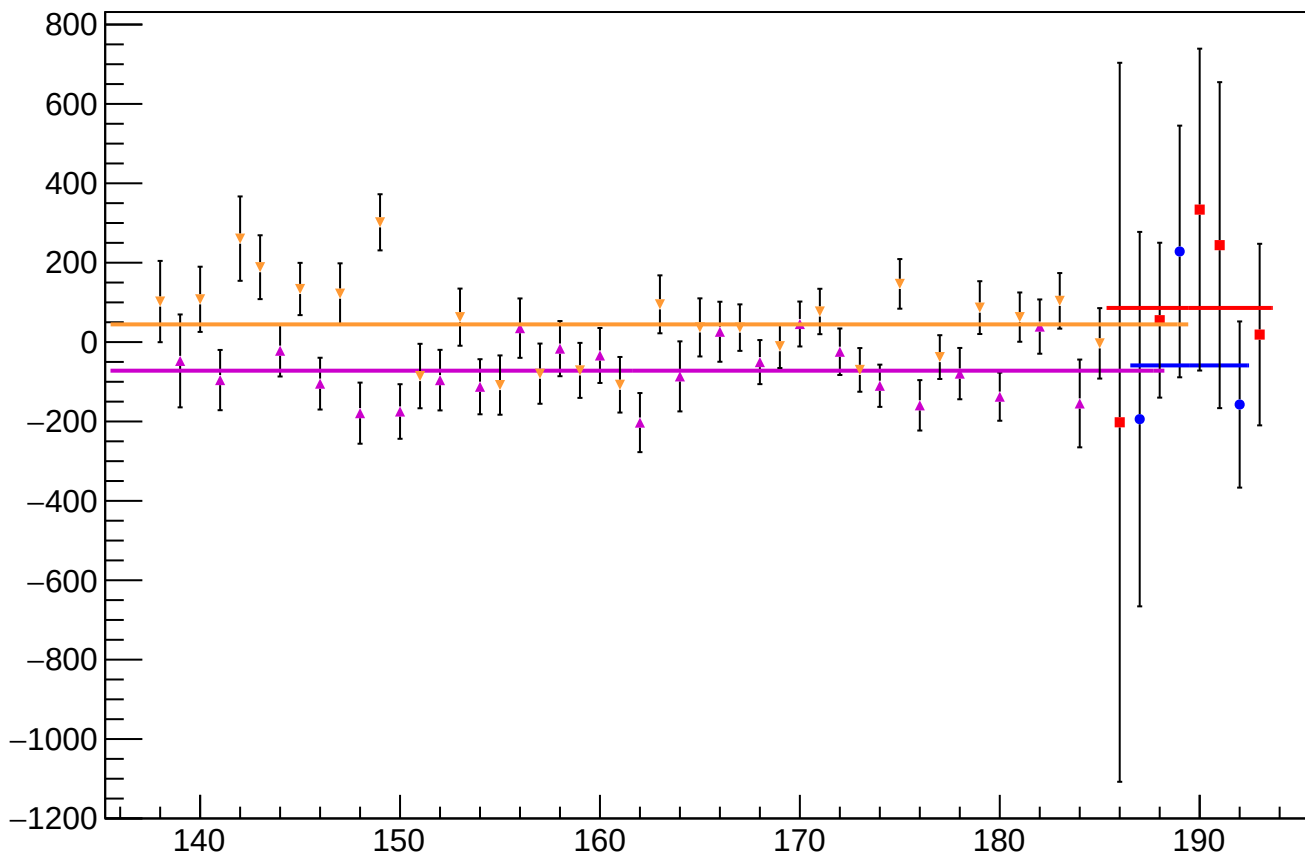
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 259.363+/-0.043 χ^2/NDF : 3096629.0/27

All: 259.905+/-0.031 χ^2/NDF : 7274227.5/55

- sign 260.466+/-0.044 χ^2/NDF : 4177273.9/27

reg_asym_sam_3726_avg_mean vs Slug



Right In: -58.787 $\pm$ 163.804 χ^2/NDF : 1.1/2

Left Out: 44.602 $\pm$ 13.824 χ^2/NDF : 53.9/24

Right Out: 86.032 $\pm$ 130.604 χ^2/NDF : 0.7/4

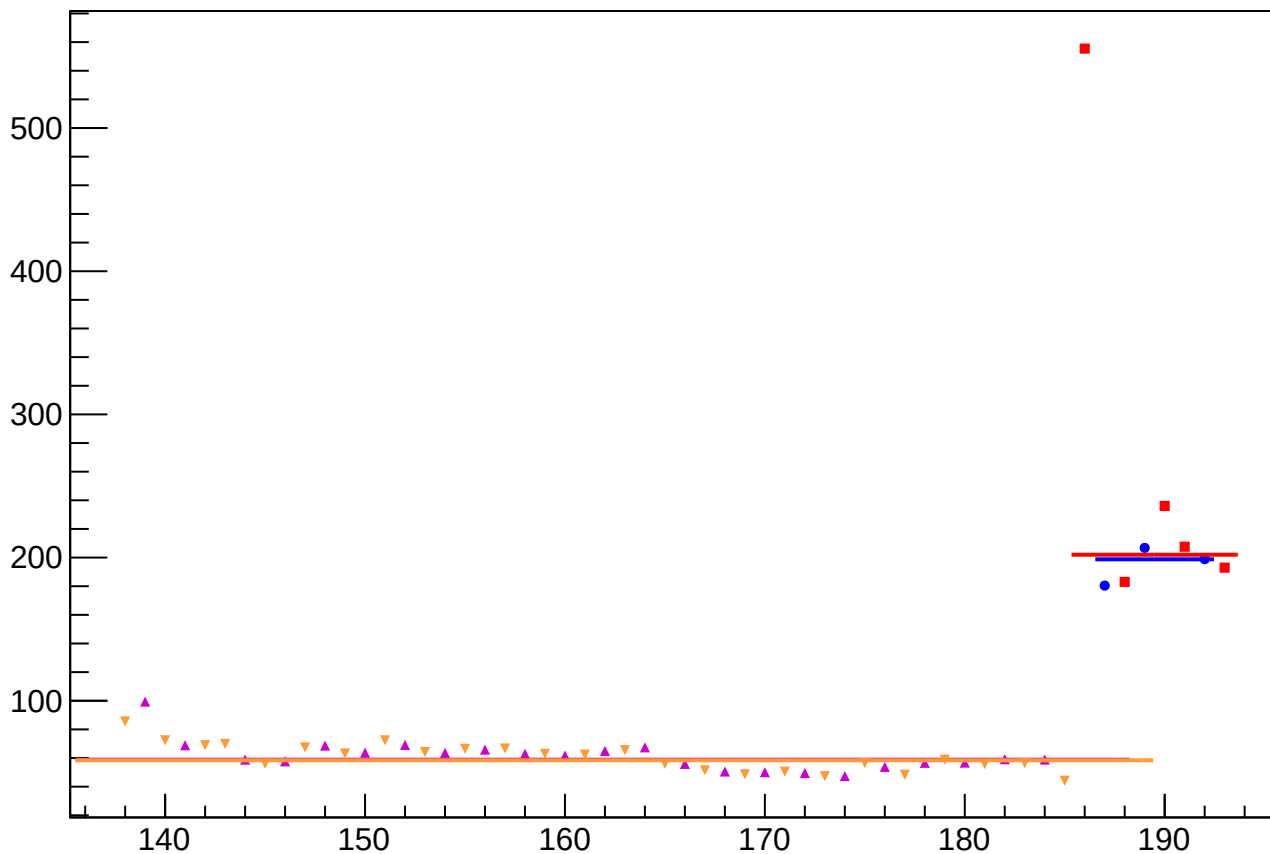
Left In: -72.037 $\pm$ 14.296 χ^2/NDF : 25.3/22

+ sign 43.871 $\pm$ 13.775 χ^2/NDF : 55.4/27

All: -11.370 $\pm$ 9.891 χ^2/NDF : 116.1/55

- sign -70.165 $\pm$ 14.211 χ^2/NDF : 27.5/27

reg_asym_sam_3726_avg_rms vs Slug



Right In: 198.783 $\pm$ 0.116 χ^2 /NDF: 4296.4/2

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 201.990 $\pm$ 0.092 χ^2 /NDF: 341198.4/4

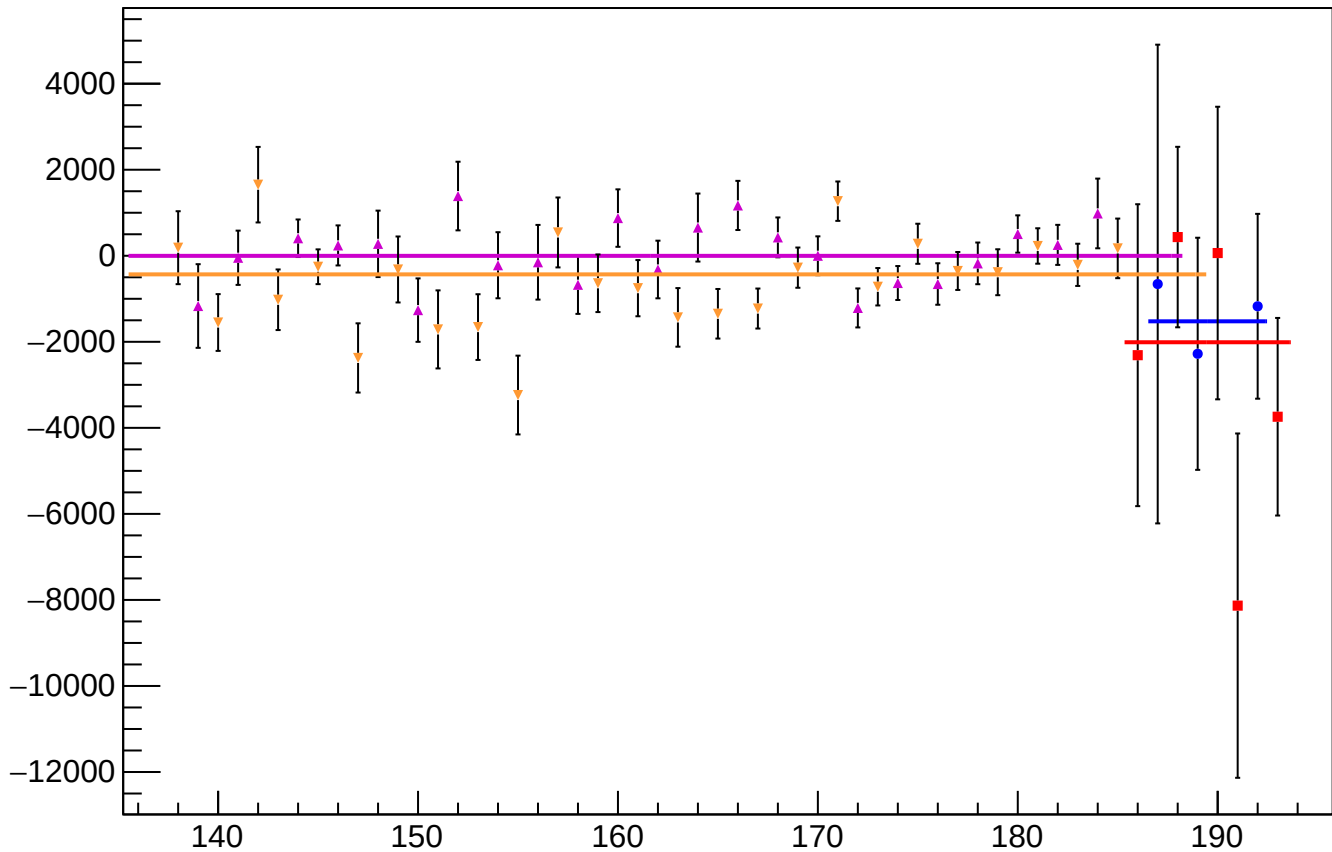
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 59.415 $\pm$ 0.010 χ^2 /NDF: 2252475.7/27

All: 59.958 $\pm$ 0.007 χ^2 /NDF: 5654270.0/55

- sign 60.535 $\pm$ 0.010 χ^2 /NDF: 3395398.6/27

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1523.645 ± 1608.815 $\chi^2/\text{NDF}: 0.1/2$

Left Out: -432.330 ± 114.408 $\chi^2/\text{NDF}: 59.4/24$

Right Out: -2010.343 ± 1243.249 $\chi^2/\text{NDF}: 4.6/4$

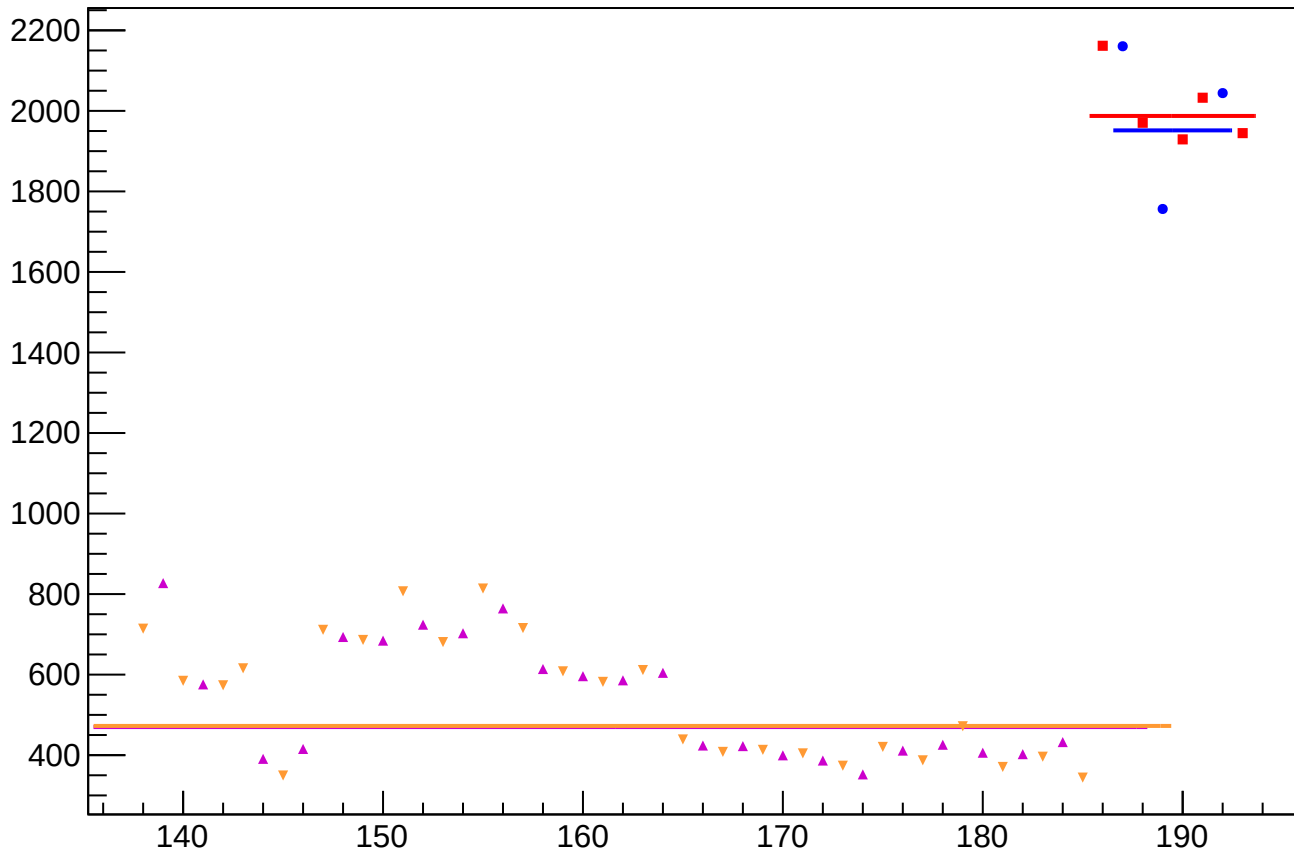
Left In: -1.825 ± 116.459 $\chi^2/\text{NDF}: 32.3/22$

+ sign -437.821 ± 114.120 $\chi^2/\text{NDF}: 60.0/27$

All: -231.890 ± 81.335 $\chi^2/\text{NDF}: 106.1/55$

- sign -19.296 ± 115.951 $\chi^2/\text{NDF}: 39.5/27$

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1951.558 $\pm$ 1.138 χ^2 /NDF: 17000.8/2

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 1987.426 $\pm$ 0.879 χ^2 /NDF: 6596.4/4

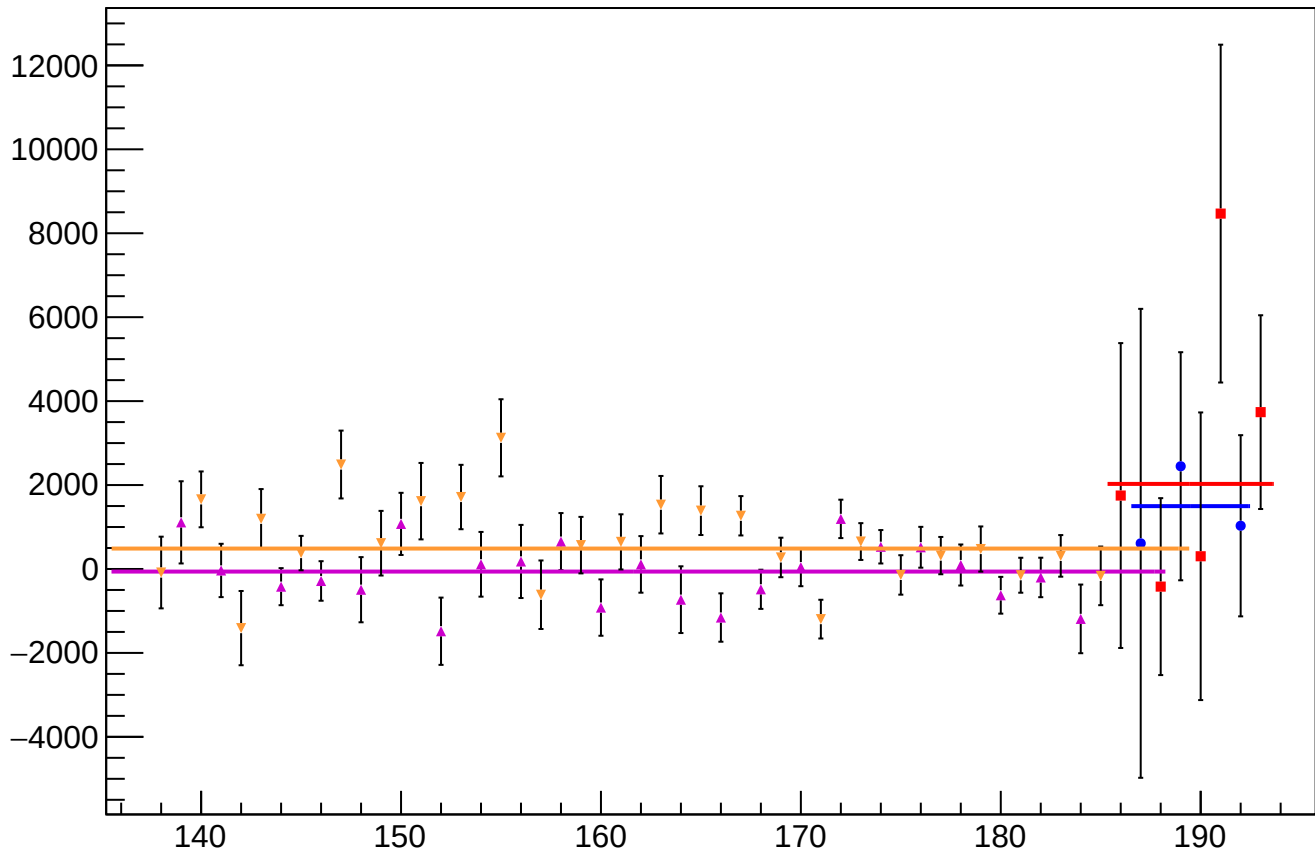
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 480.011 $\pm$ 0.081 χ^2 /NDF: 4206901.4/27

All: 481.463 $\pm$ 0.058 χ^2 /NDF: 9285456.6/55

- sign 482.962 $\pm$ 0.082 χ^2 /NDF: 5077896.9/27

asym_sam_3726_avg_mean vs Slug



Right In: 1497.409+/-1617.847 χ^2/NDF : 0.2/2

Left Out: 486.645+/-115.346 χ^2/NDF : 56.0/24

Right Out: 2027.086+/-1254.563 χ^2/NDF : 4.7/4

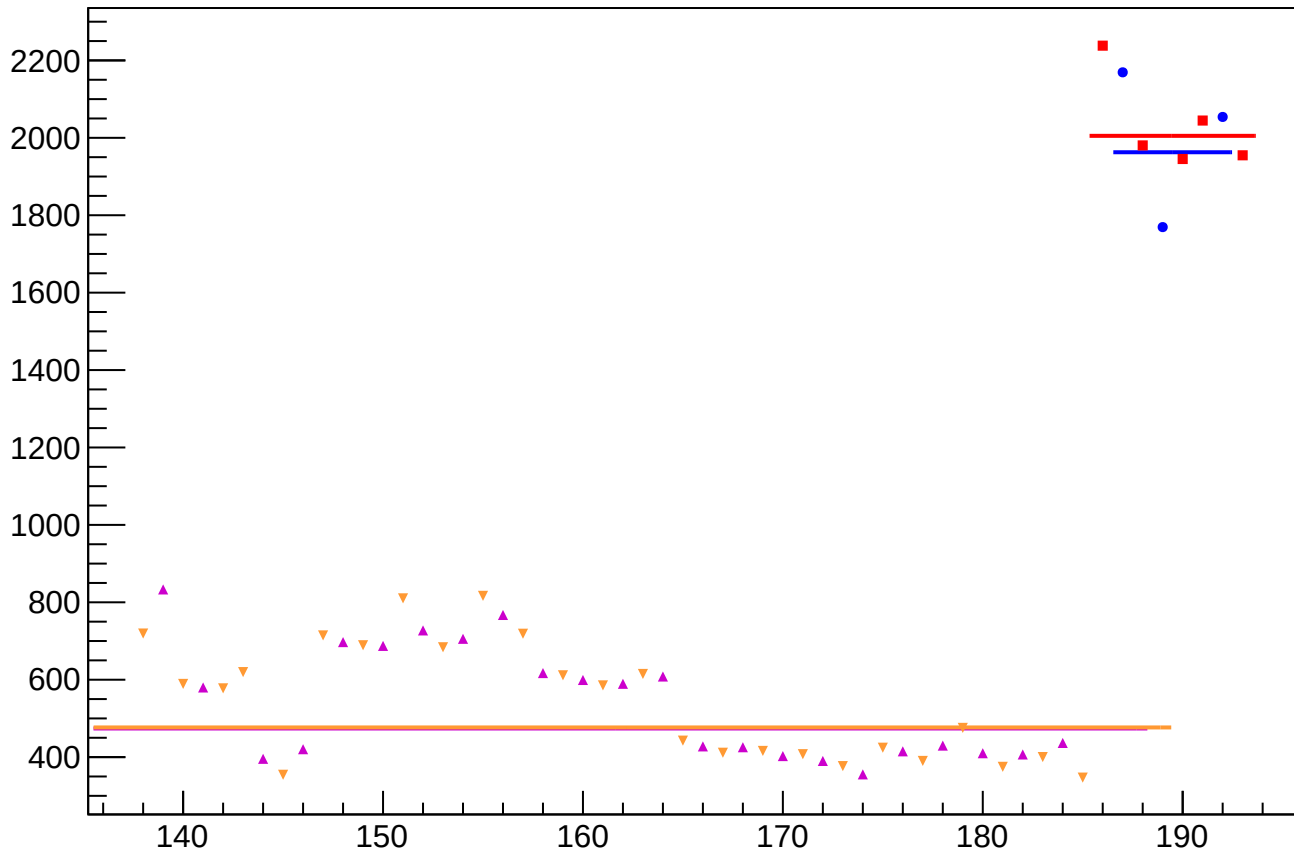
Left In: -61.775+/-117.449 χ^2/NDF : 31.2/22

+ sign 491.757+/-115.054 χ^2/NDF : 56.6/27

All: 228.411+/-82.013 χ^2/NDF : 105.9/55

- sign -43.627+/-116.938 χ^2/NDF : 38.6/27

asym_sam_3726_avg_rms vs Slug



Right In: 1962.739+/-1.144 χ^2/NDF : 16434.1/2

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 2005.138+/-0.887 χ^2/NDF : 10254.7/4

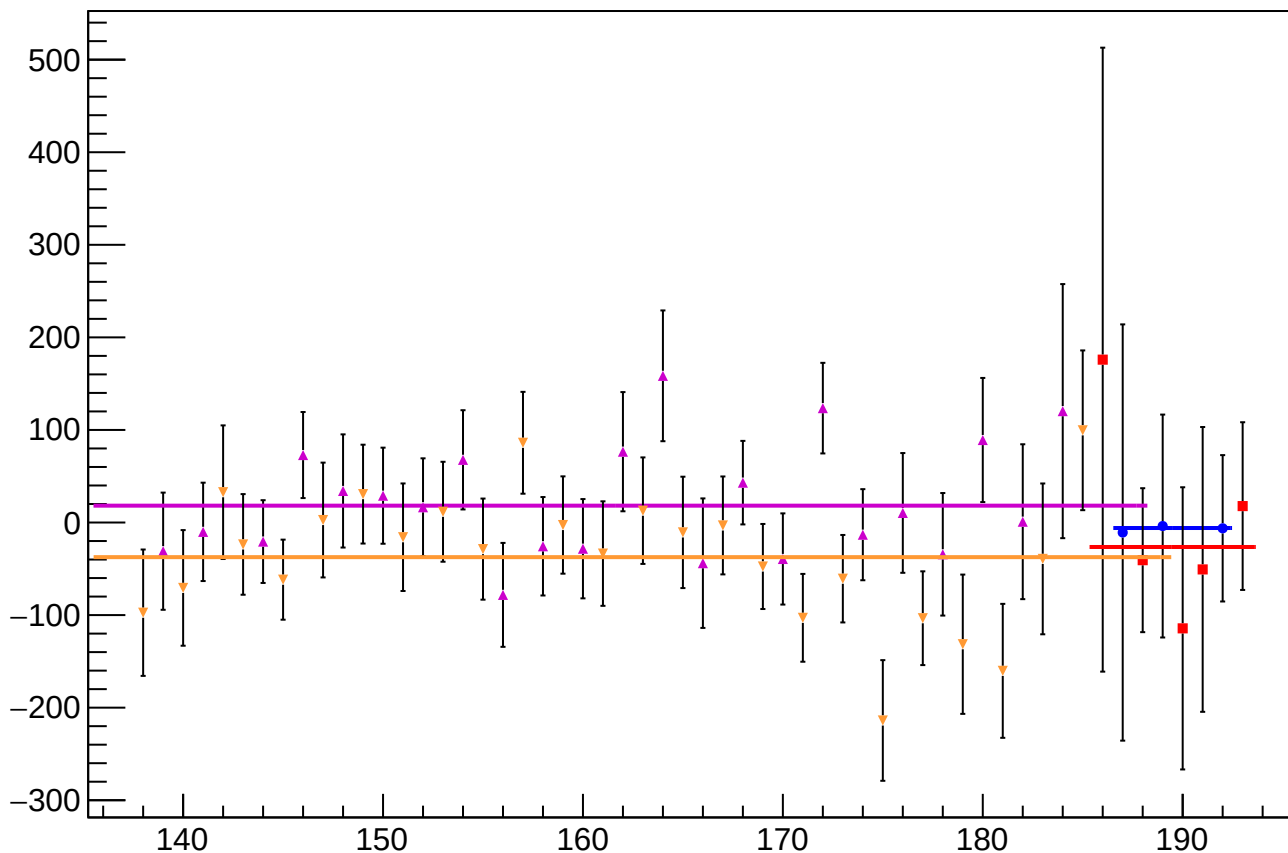
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 484.206+/-0.081 χ^2/NDF : 4168049.8/27

All: 485.721+/-0.058 χ^2/NDF : 9219324.6/55

- sign 487.286+/-0.083 χ^2/NDF : 5050569.5/27

reg_asym_sam_15_48_dd_mean vs Slug



Right In: -5.934 ± 63.402 χ^2/NDF : 0.0/2

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -26.439 ± 51.206 χ^2/NDF : 1.0/4

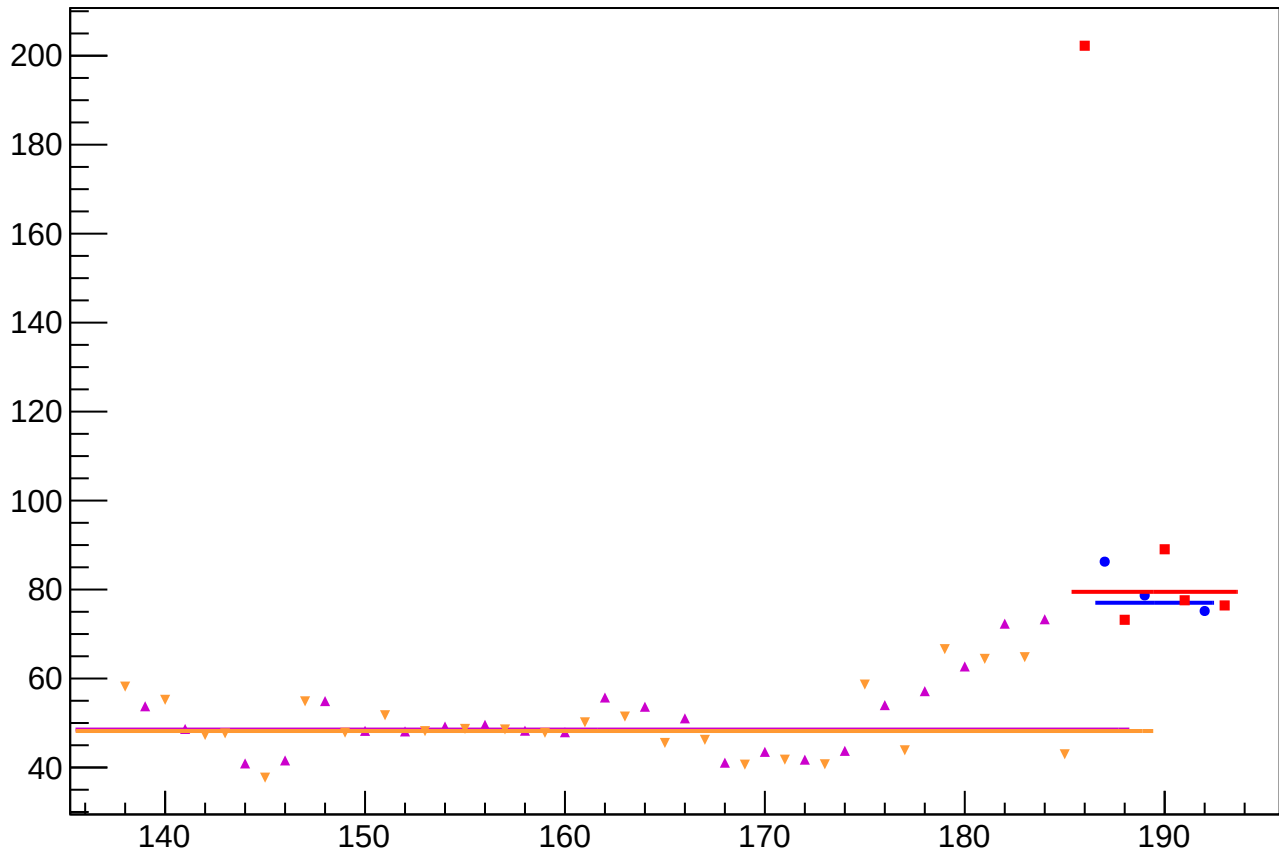
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -36.429 ± 11.210 χ^2/NDF : 30.7/27

All: -10.872 ± 8.023 χ^2/NDF : 66.1/55

- sign 15.963 ± 11.487 χ^2/NDF : 24.7/27

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 77.031 $\pm$ 0.045 χ^2 /NDF: 4850.8/2

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 79.486 $\pm$ 0.036 χ^2 /NDF: 288879.8/4

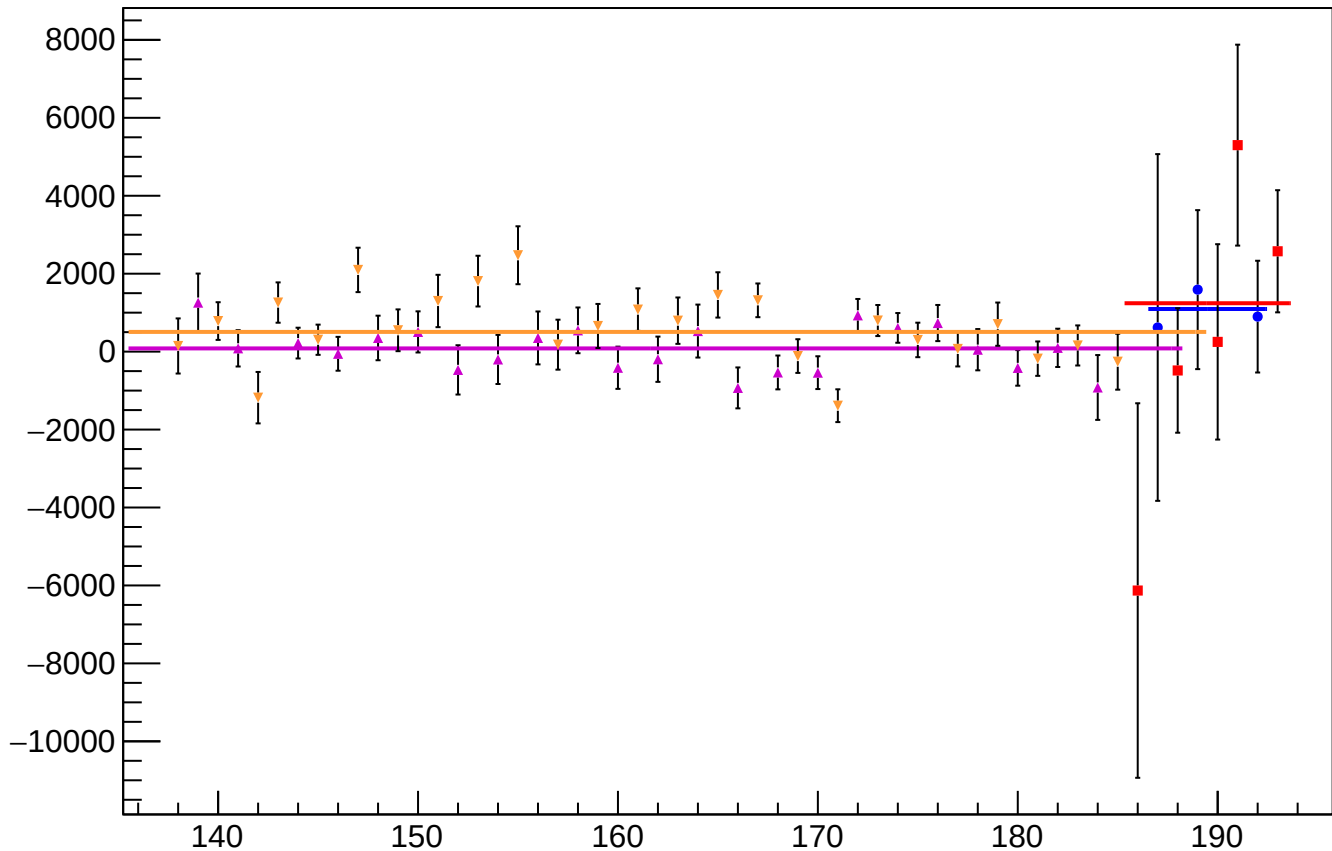
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 49.101 $\pm$ 0.008 χ^2 /NDF: 1155701.4/27

All: 49.581 $\pm$ 0.006 χ^2 /NDF: 2821732.0/55

- sign 50.085 $\pm$ 0.008 χ^2 /NDF: 1658516.8/27

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1094.195 $\pm$ 1134.244 χ^2 /NDF: 0.1/2

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF: 65.7/24

Right Out: 1241.864 $\pm$ 931.712 χ^2 /NDF: 6.9/4

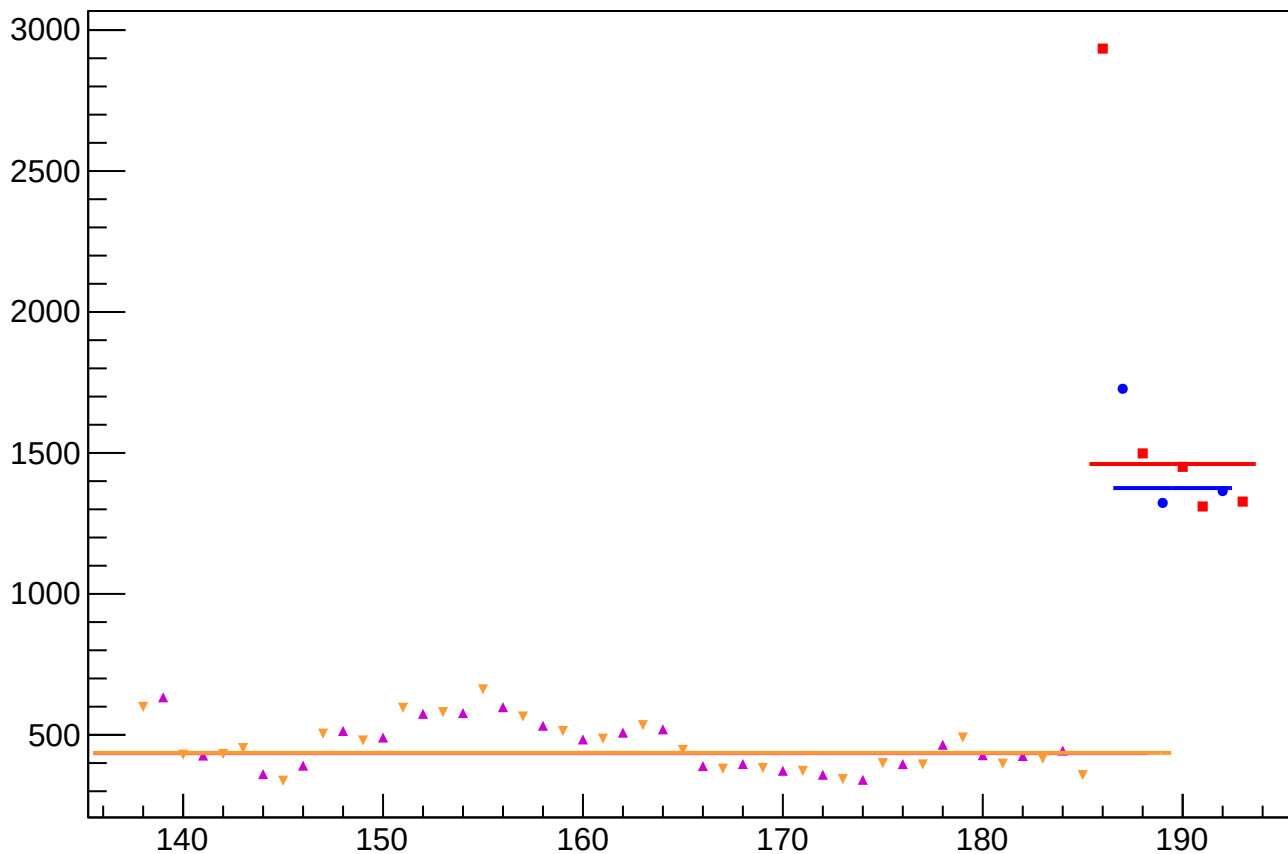
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF: 25.3/22

+ sign 511.058 $\pm$ 103.040 χ^2 /NDF: 66.1/27

All: 308.543 $\pm$ 73.632 χ^2 /NDF: 107.7/55

- sign 97.218 $\pm$ 105.257 χ^2 /NDF: 33.8/27

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1375.353 $\pm$ 0.802 χ^2/NDF : 13979.8/2

Left Out: 436.301 $\pm$ 0.073 χ^2/NDF : 1179348.4/24

Right Out: 1460.778 $\pm$ 0.659 χ^2/NDF : 210454.9/4

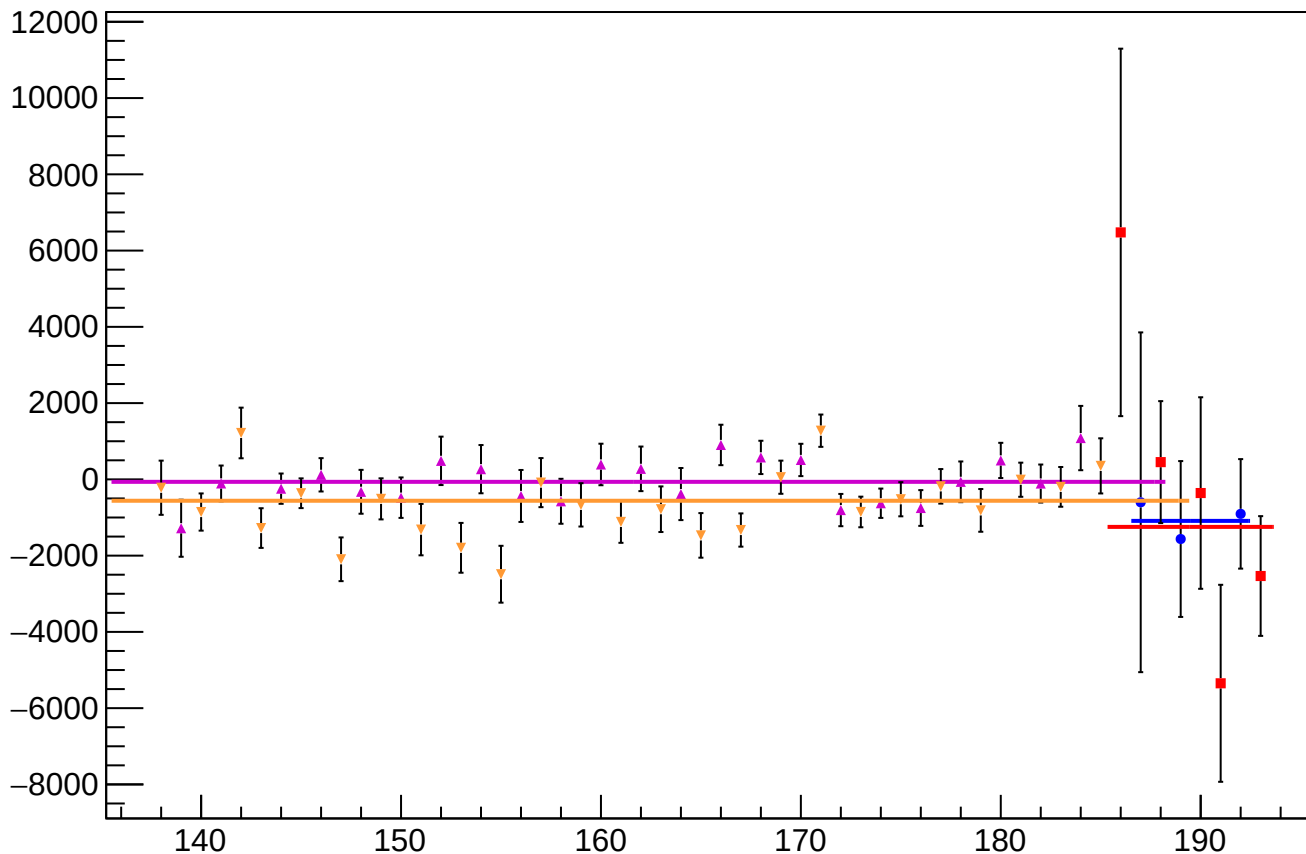
Left In: 435.275 $\pm$ 0.075 χ^2/NDF : 1027713.1/22

+ sign 444.051 $\pm$ 0.073 χ^2/NDF : 2552881.3/27

All: 446.161 $\pm$ 0.052 χ^2/NDF : 6184766.3/55

- sign 448.363 $\pm$ 0.074 χ^2/NDF : 3630171.1/27

asym_sam_15_48_dd_mean vs Slug



Right In: -1088.638 $\pm$ 1136.094 χ^2 /NDF: 0.1/2

Left Out: -560.684 $\pm$ 104.207 χ^2 /NDF: 61.8/24

Right Out: -1246.138 $\pm$ 933.284 χ^2 /NDF: 7.0/4

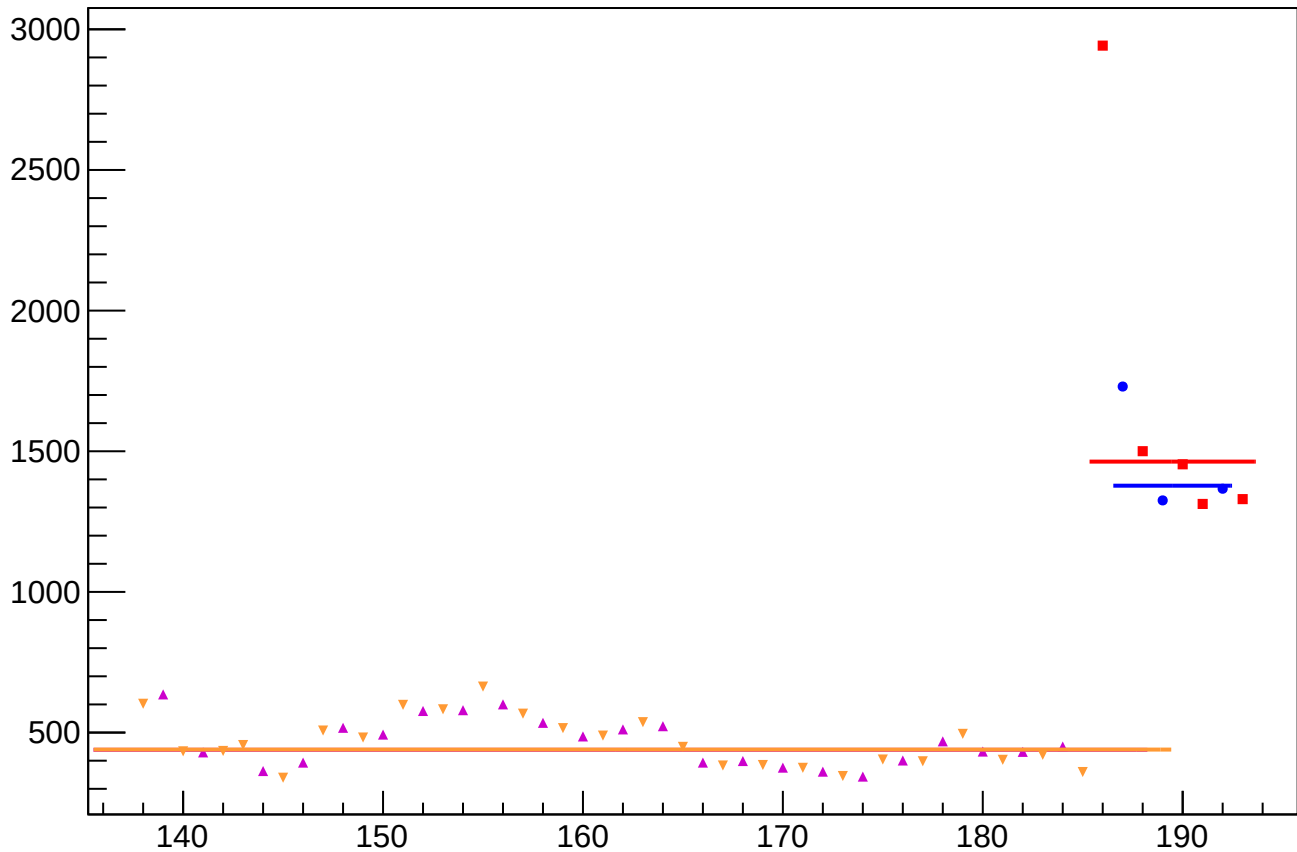
Left In: -64.594 $\pm$ 106.708 χ^2 /NDF: 25.2/22

+ sign -565.089 $\pm$ 103.772 χ^2 /NDF: 62.0/27

All: -327.658 $\pm$ 74.159 χ^2 /NDF: 106.5/55

- sign -79.841 $\pm$ 106.017 χ^2 /NDF: 33.8/27

asym_sam_15_48_dd_rms vs Slug



Right In: 1377.622 $\pm$ 0.803 χ^2 /NDF: 13943.5/2

Left Out: 439.527 $\pm$ 0.074 χ^2 /NDF: 1163352.8/24

Right Out: 1463.225 $\pm$ 0.660 χ^2 /NDF: 210684.9/4

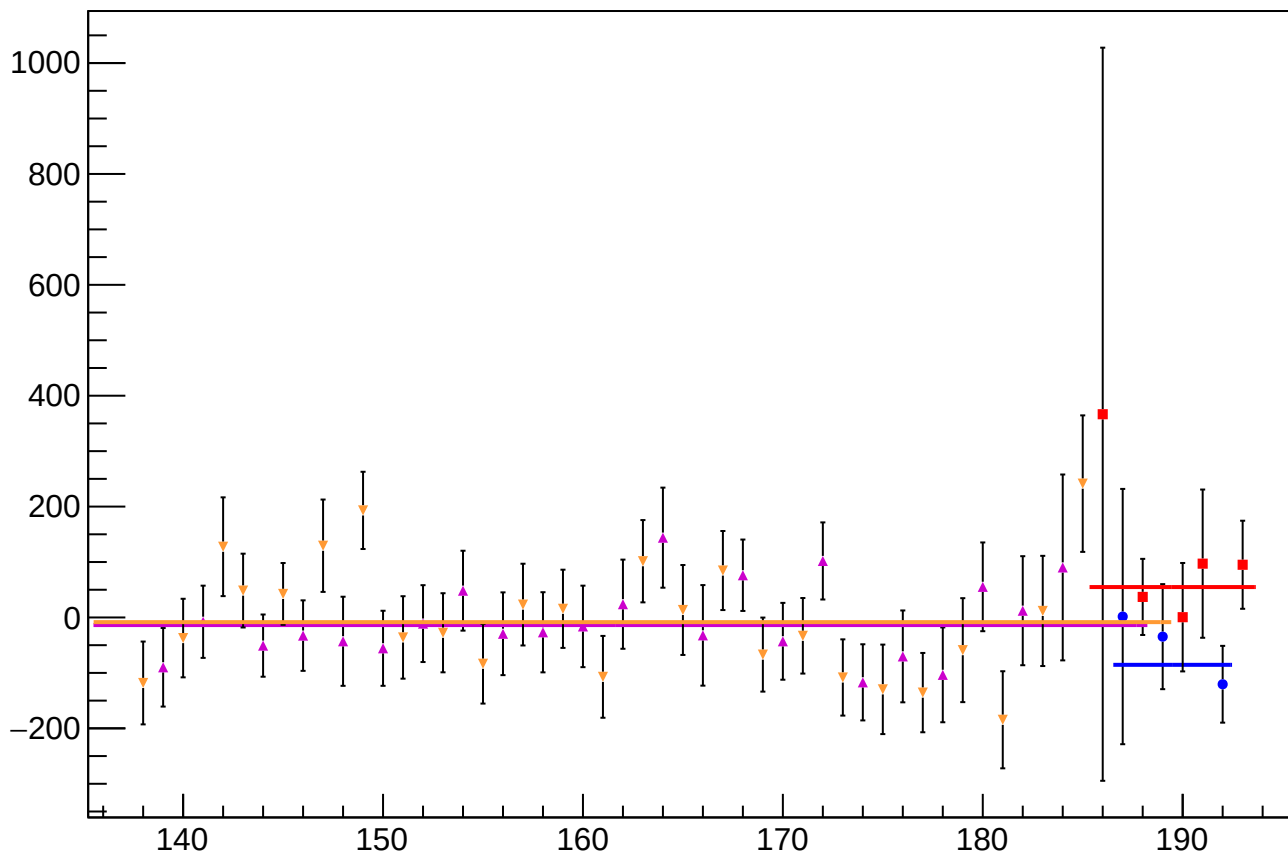
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF: 1013071.4/22

+ sign 447.354 $\pm$ 0.073 χ^2 /NDF: 2529544.9/27

All: 449.515 $\pm$ 0.052 χ^2 /NDF: 6134848.8/55

- sign 451.770 $\pm$ 0.075 χ^2 /NDF: 3603531.3/27

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -85.434 ± 54.332 χ^2/NDF : 0.7/2

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 54.831 ± 43.295 χ^2/NDF : 1.0/4

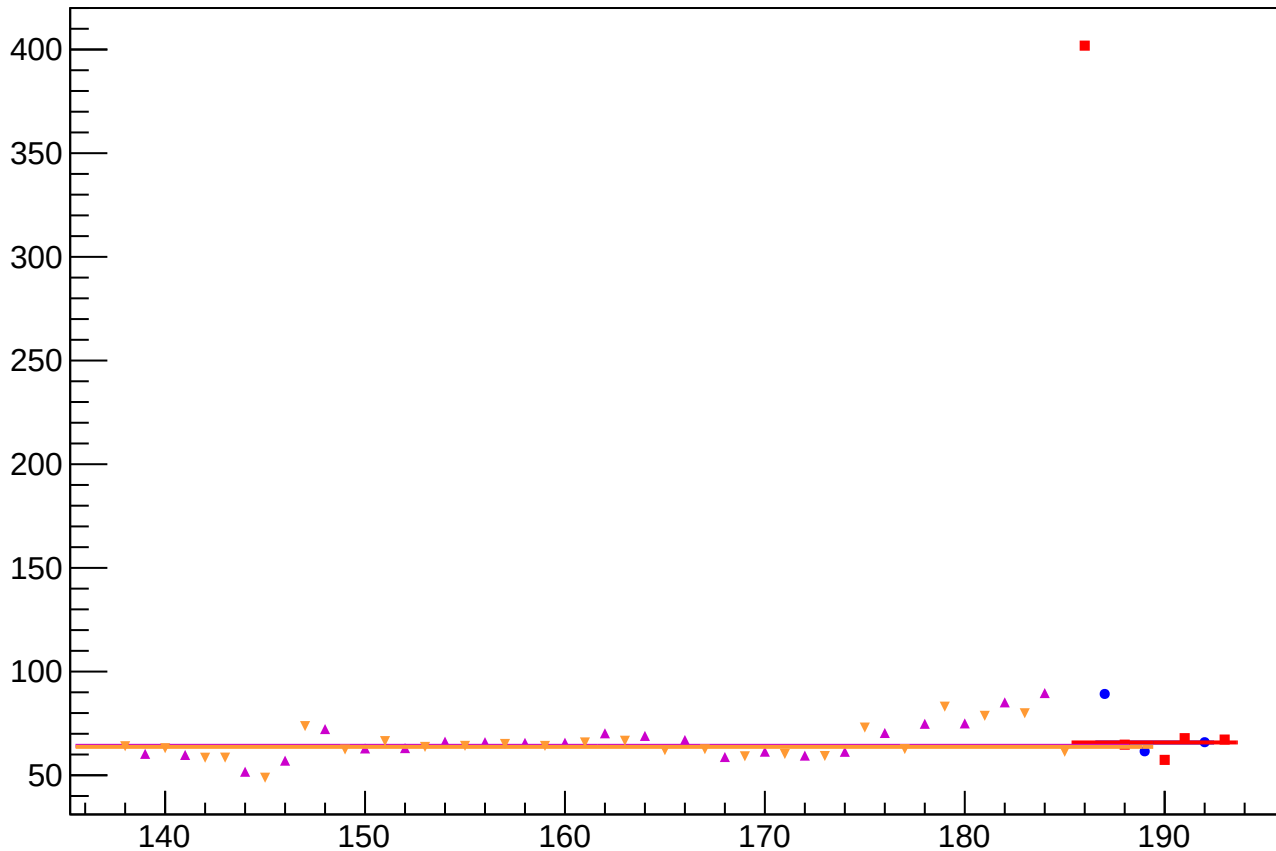
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -13.827 ± 14.401 χ^2/NDF : 44.2/27

All: -9.938 ± 10.244 χ^2/NDF : 63.7/55

- sign -5.955 ± 14.575 χ^2/NDF : 19.4/27

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 65.789 $\pm$ 0.038 χ^2 /NDF: 24723.9/2

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 65.817 $\pm$ 0.031 χ^2 /NDF: 532956.7/4

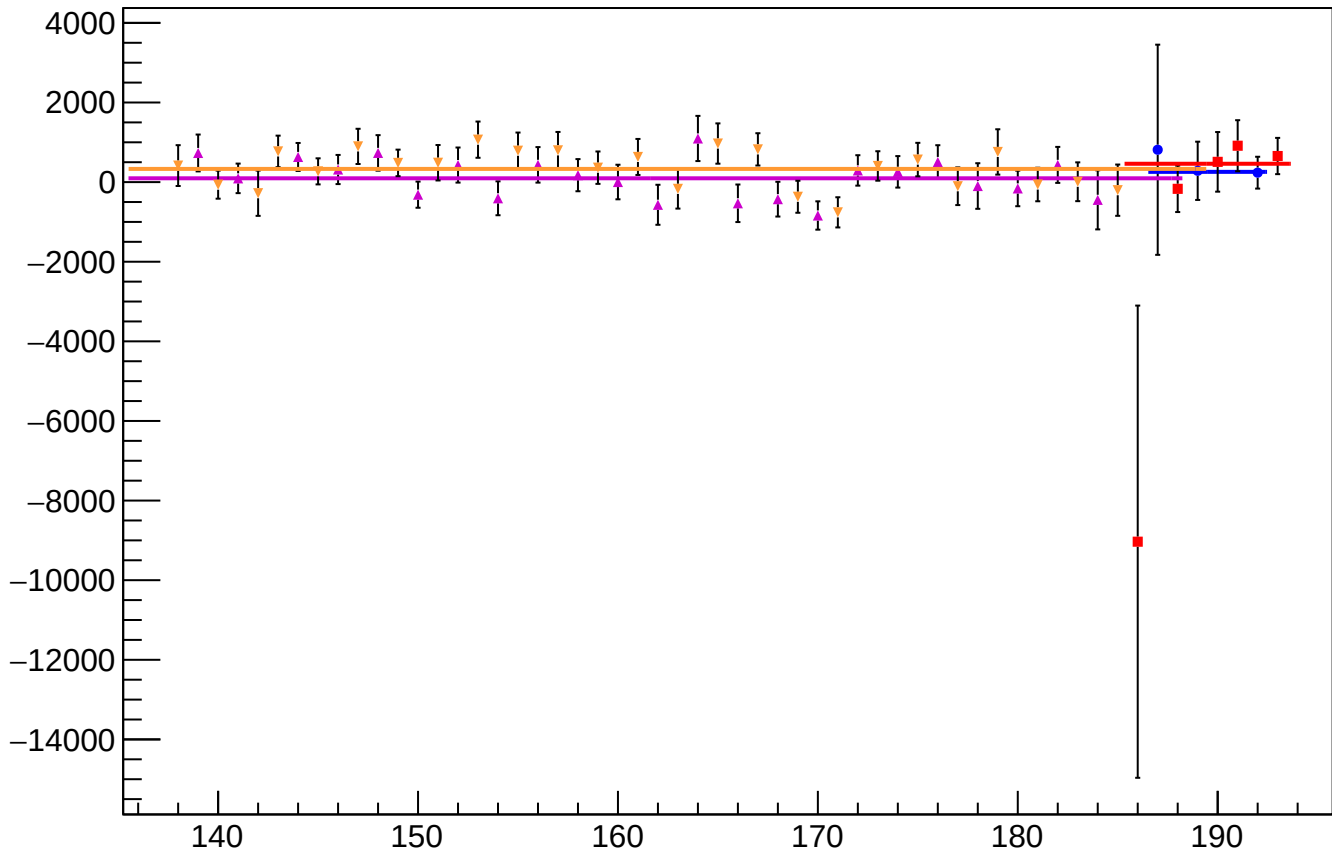
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.843 $\pm$ 0.010 χ^2 /NDF: 475923.9/27

All: 64.105 $\pm$ 0.007 χ^2 /NDF: 1442398.9/55

- sign 64.374 $\pm$ 0.010 χ^2 /NDF: 965134.0/27

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 257.655 $\pm$ 347.848 χ^2 /NDF: 0.0/2

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF: 29.9/24

Right Out: 461.176 $\pm$ 288.682 χ^2 /NDF: 4.4/4

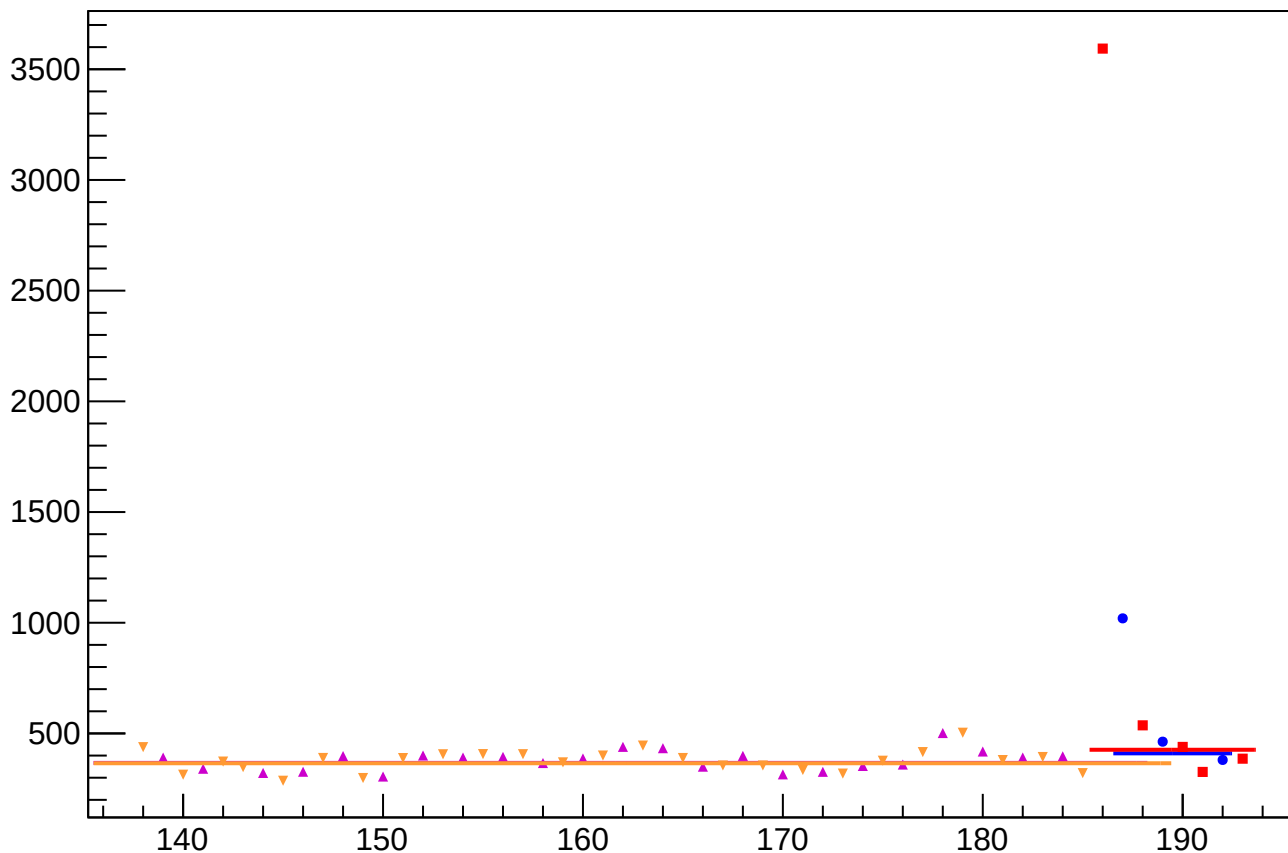
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 327.465 $\pm$ 83.551 χ^2 /NDF: 30.0/27

All: 228.852 $\pm$ 59.499 χ^2 /NDF: 67.4/55

- sign 127.390 $\pm$ 84.749 χ^2 /NDF: 34.6/27

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 410.039 $\pm$ 0.246 χ^2/NDF : 128149.8/2

Left Out: 365.355 $\pm$ 0.061 χ^2/NDF : 618453.7/24

Right Out: 426.241 $\pm$ 0.204 χ^2/NDF : 706699.5/4

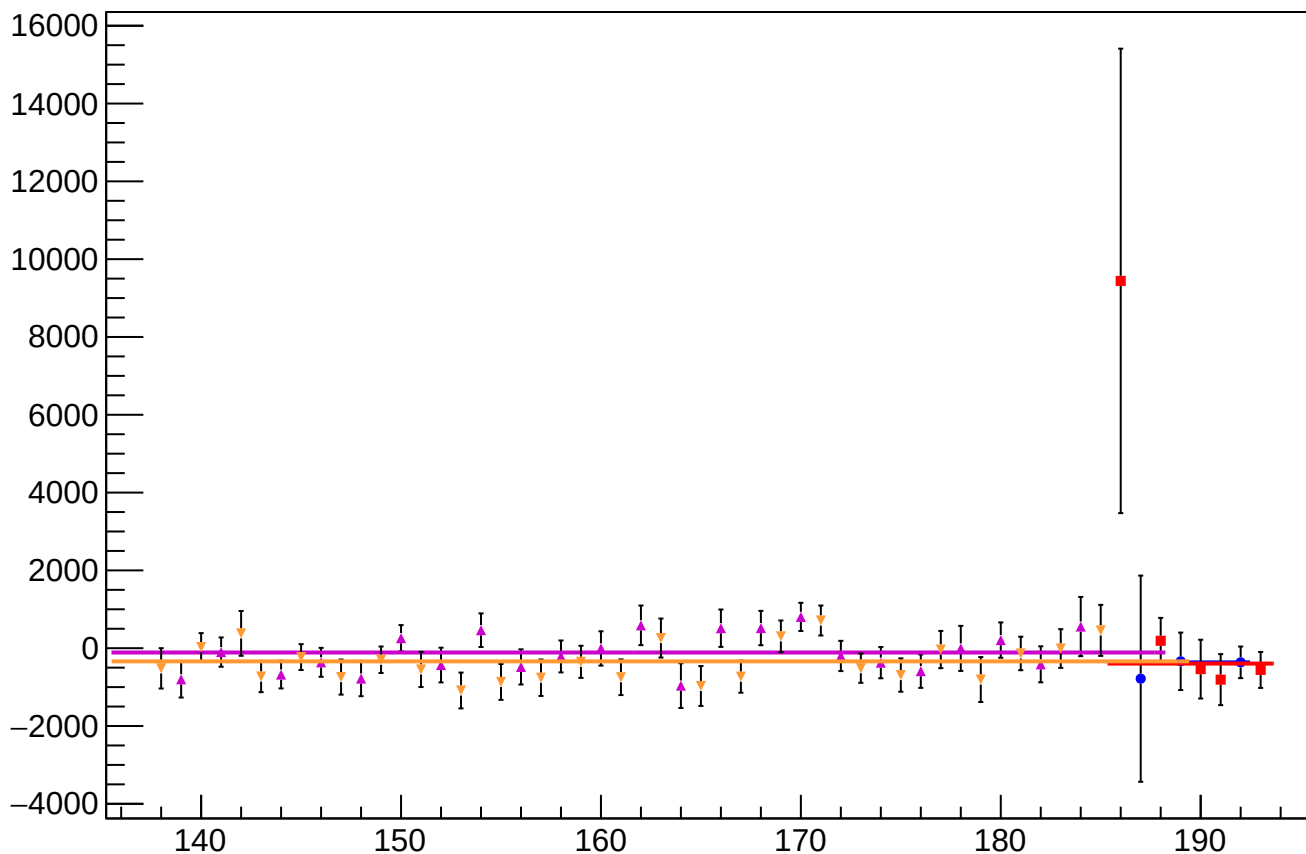
Left In: 366.925 $\pm$ 0.063 χ^2/NDF : 478082.1/22

+ sign 367.933 $\pm$ 0.059 χ^2/NDF : 777702.3/27

All: 369.956 $\pm$ 0.042 χ^2/NDF : 2042023.6/55

- sign 372.037 $\pm$ 0.060 χ^2/NDF : 1261943.2/27

asym_sam_37_48_dd_mean vs Slug



Right In: -364.576+/-352.576 χ^2/NDF : 0.0/2

Left Out: -338.528+/-87.450 χ^2/NDF : 28.2/24

Right Out: -395.141+/-292.678 χ^2/NDF : 4.3/4

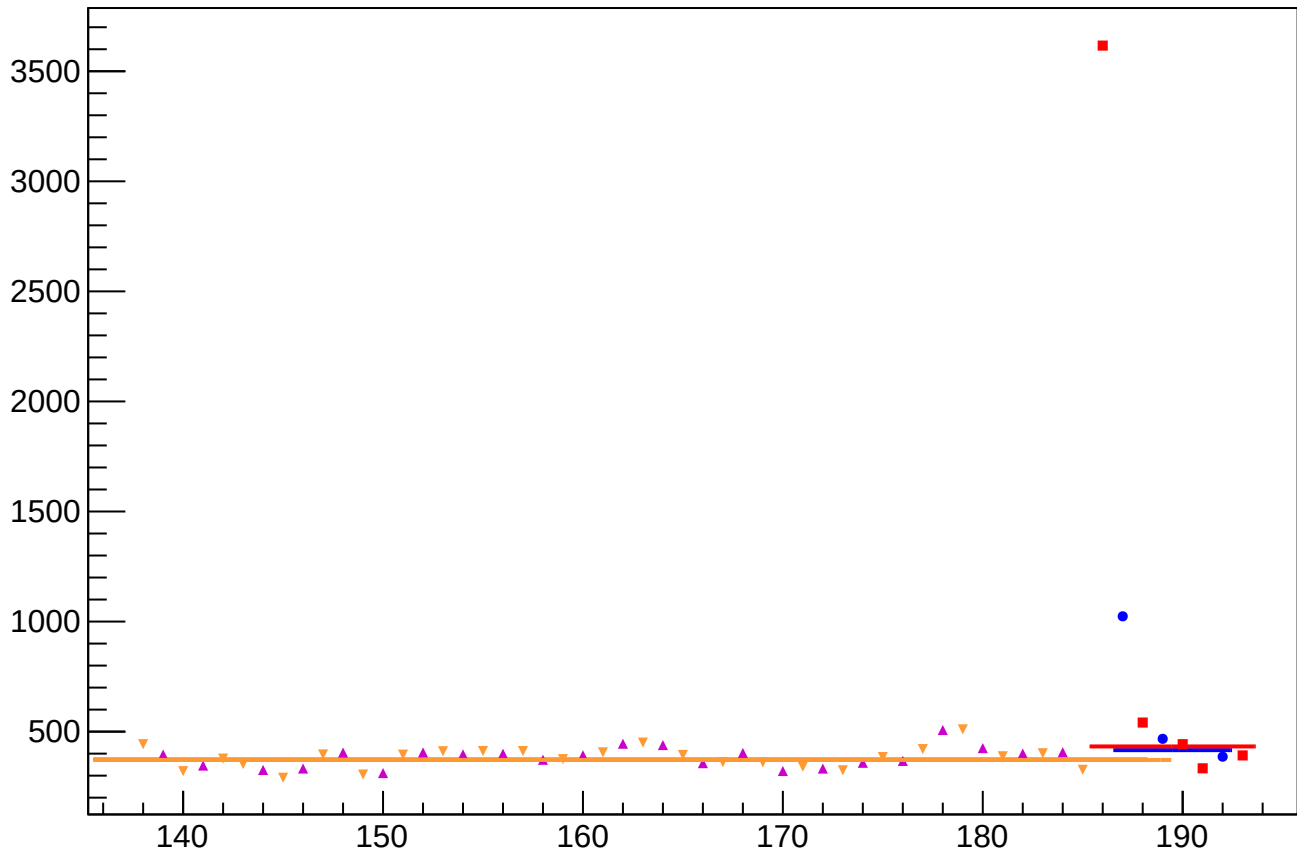
Left In: -110.341+/-90.084 χ^2/NDF : 29.2/22

+ sign -340.038+/-84.878 χ^2/NDF : 28.2/27

All: -238.974+/-60.445 χ^2/NDF : 65.5/55

- sign -134.986+/-86.098 χ^2/NDF : 34.4/27

asym_sam_37_48_dd_rms vs Slug



Right In: 415.878 $\pm$ 0.249 χ^2/NDF : 125694.7/2

Left Out: 371.356 $\pm$ 0.062 χ^2/NDF : 604070.6/24

Right Out: 432.643 $\pm$ 0.207 χ^2/NDF : 698991.5/4

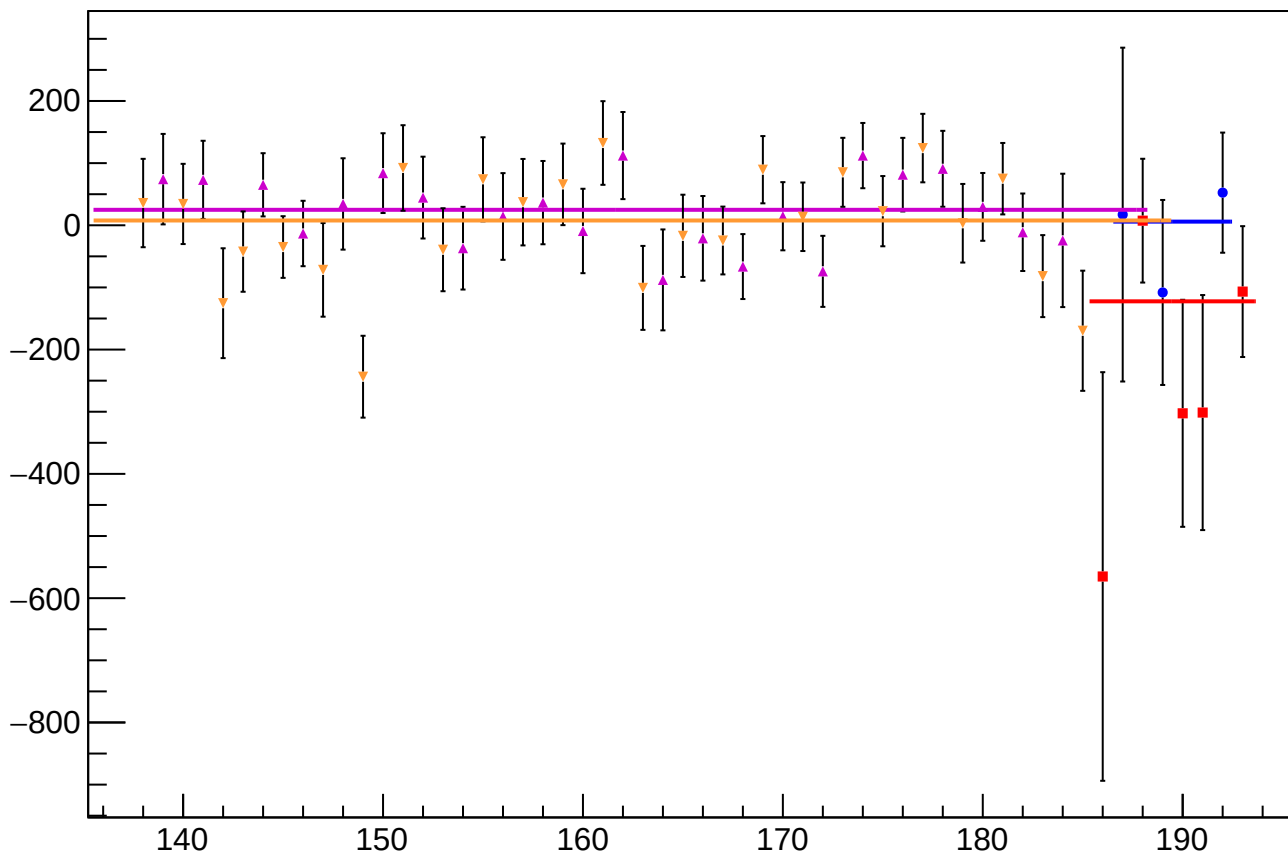
Left In: 372.938 $\pm$ 0.064 χ^2/NDF : 467340.9/22

+ sign 373.936 $\pm$ 0.060 χ^2/NDF : 759808.9/27

All: 375.991 $\pm$ 0.043 χ^2/NDF : 2004544.5/55

- sign 378.104 $\pm$ 0.061 χ^2/NDF : 1242358.3/27

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 5.879 ± 77.611 χ^2/NDF : 0.8/2

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -122.374 ± 62.228 χ^2/NDF : 5.4/4

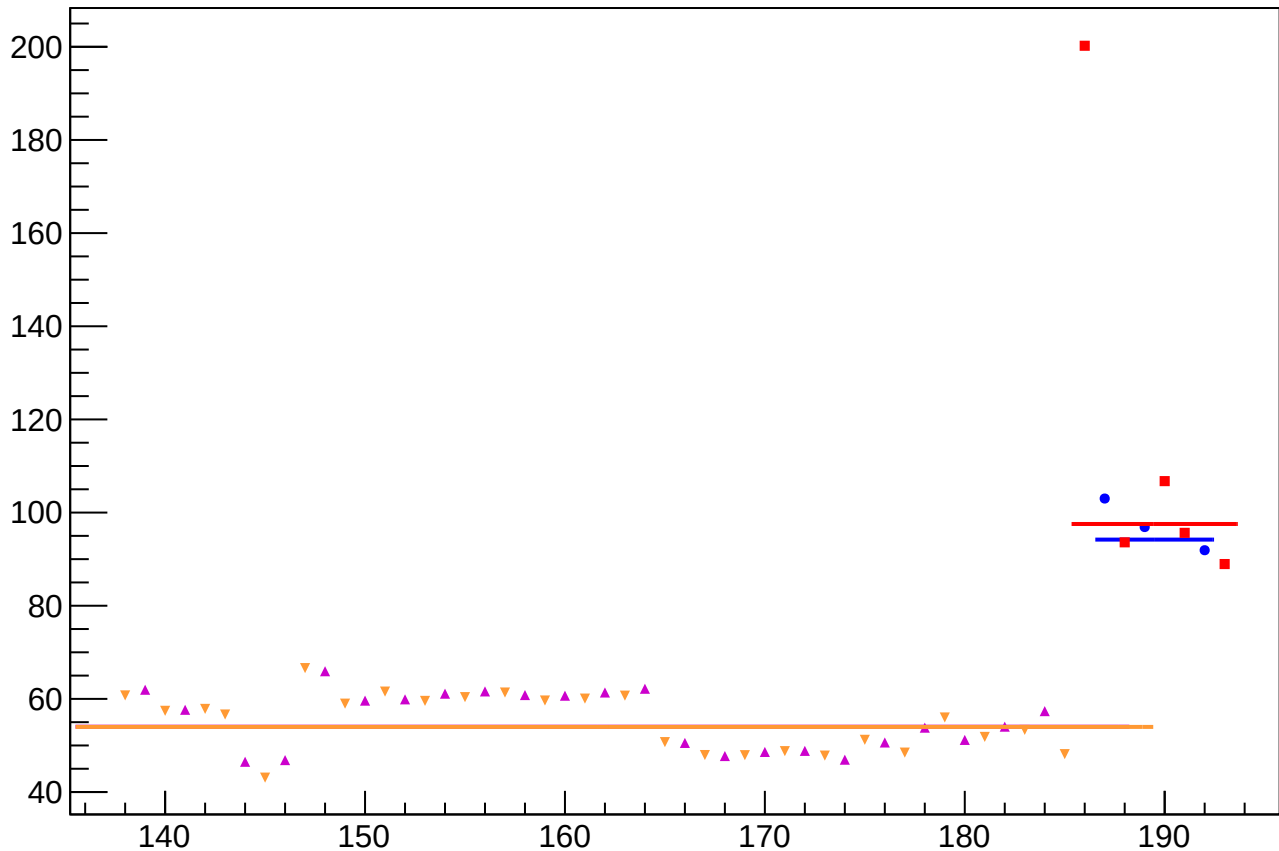
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 7.676 ± 12.491 χ^2/NDF : 46.2/27

All: 13.075 ± 8.923 χ^2/NDF : 77.1/55

- sign 18.703 ± 12.752 χ^2/NDF : 30.5/27

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 94.198 $\pm$ 0.055 χ^2 /NDF: 3922.3/2

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 97.550 $\pm$ 0.044 χ^2 /NDF: 216847.2/4

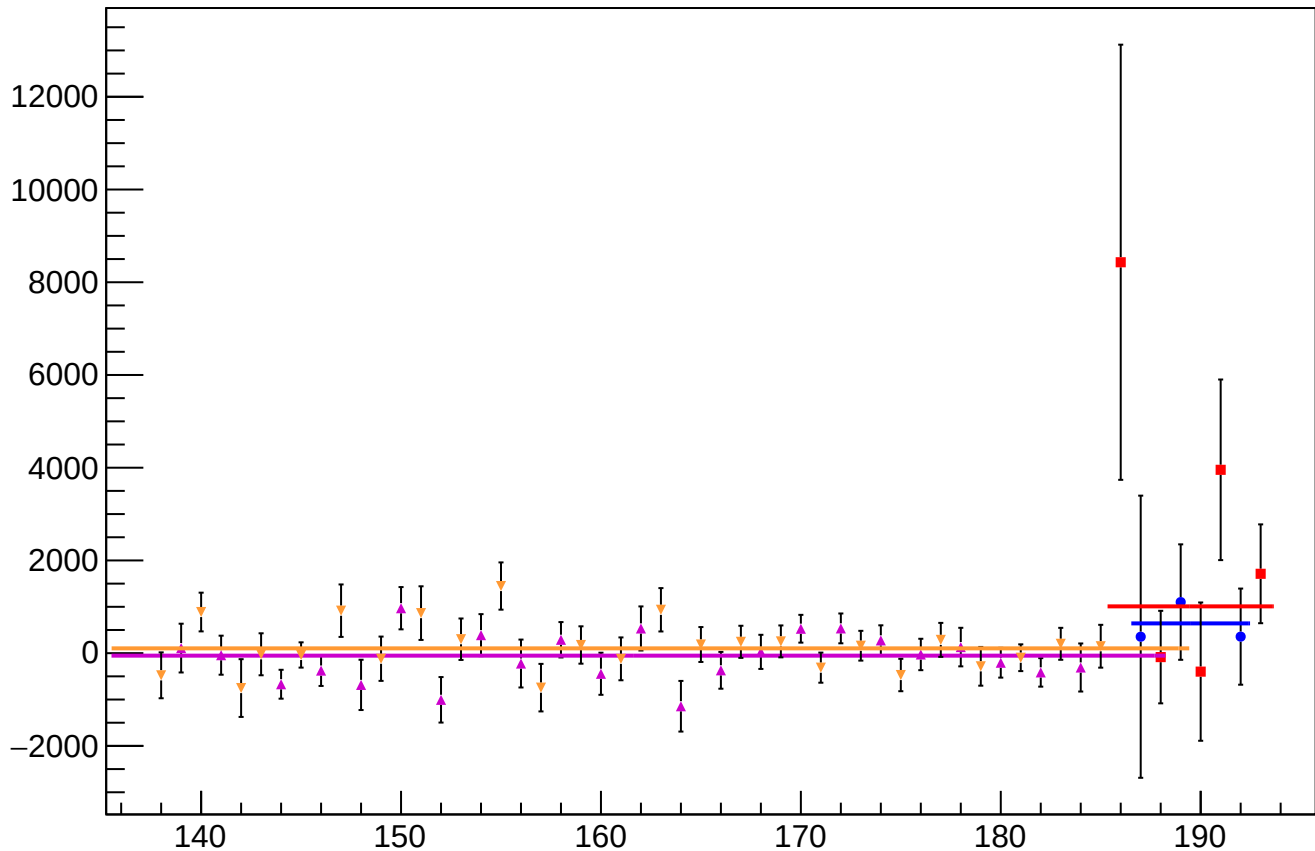
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 55.025 $\pm$ 0.009 χ^2 /NDF: 985955.9/27

All: 55.432 $\pm$ 0.006 χ^2 /NDF: 2588202.6/55

- sign 55.855 $\pm$ 0.009 χ^2 /NDF: 1597921.3/27

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 642.125 ± 770.747 χ^2/NDF : 0.2/2

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 1009.370 ± 615.038 χ^2/NDF : 7.3/4

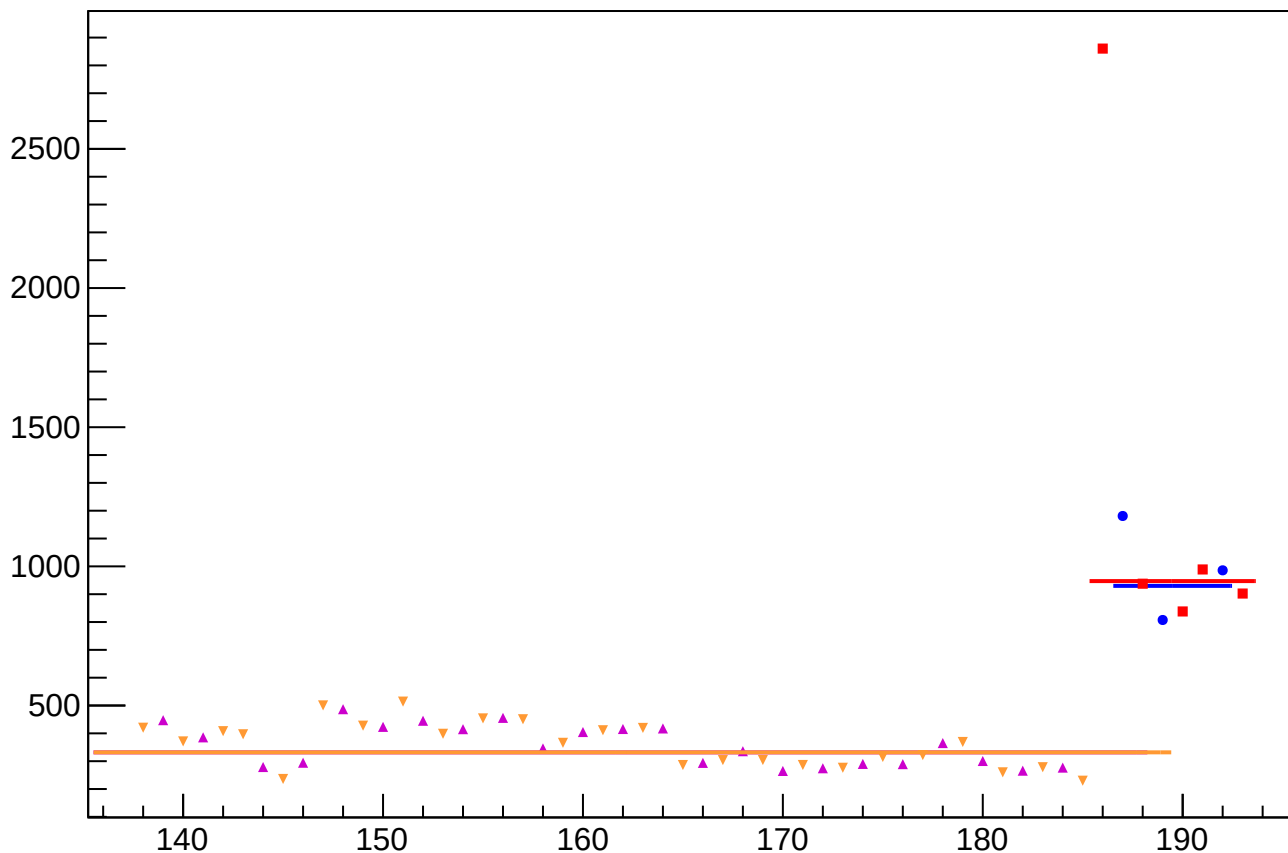
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 109.413 ± 78.927 χ^2/NDF : 31.7/27

All: 38.494 ± 56.359 χ^2/NDF : 77.7/55

- sign -35.284 ± 80.503 χ^2/NDF : 44.4/27

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 929.945 $\pm$ 0.545 χ^2 /NDF: 38807.3/2

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 947.098 $\pm$ 0.435 χ^2 /NDF: 347782.0/4

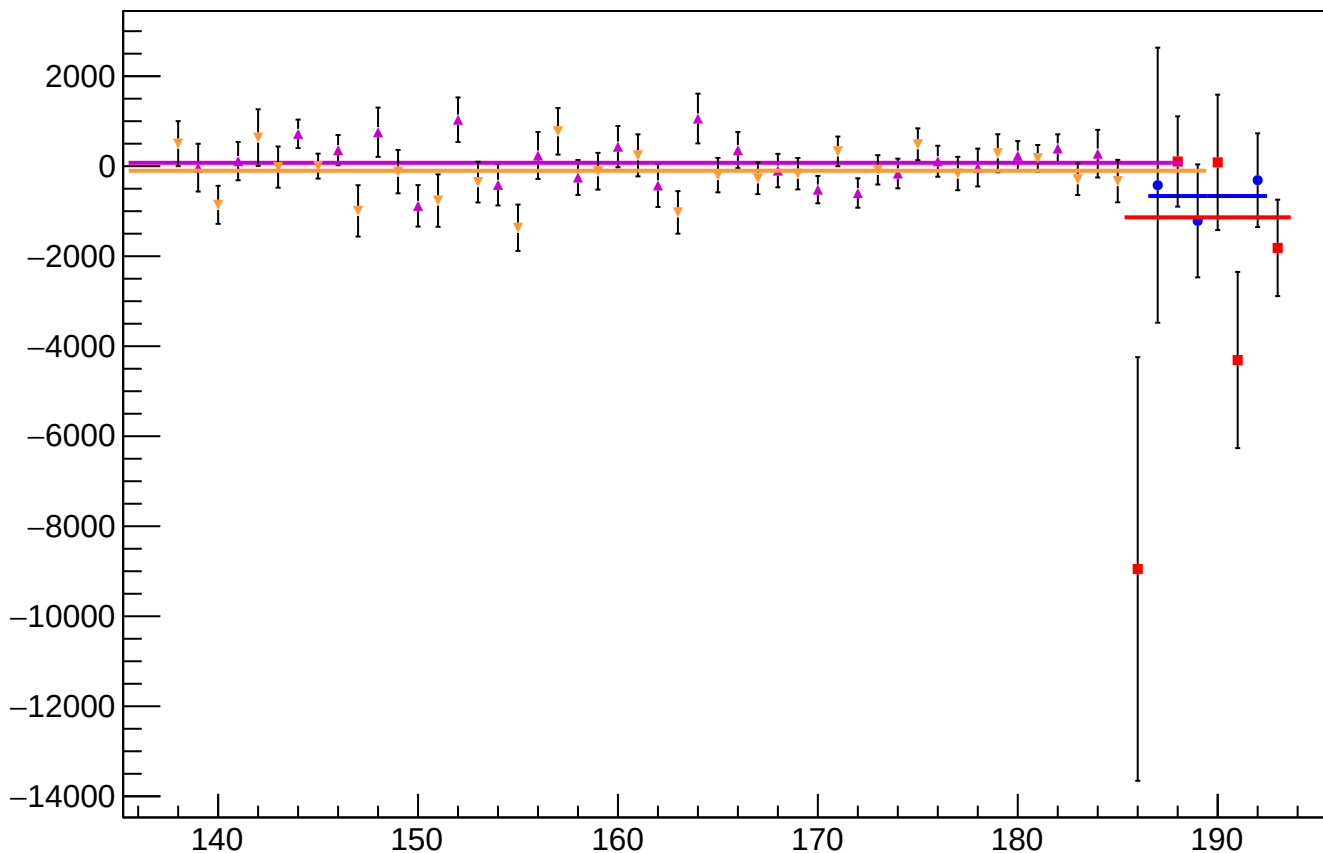
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 338.043 $\pm$ 0.056 χ^2 /NDF: 2942552.7/27

All: 340.085 $\pm$ 0.040 χ^2 /NDF: 6564511.9/55

- sign 342.210 $\pm$ 0.057 χ^2 /NDF: 3619227.6/27

asym_sam_15_26_dd_mean vs Slug



Right In: -662.958+/-775.044 χ^2/NDF : 0.3/2

Left Out: -99.785+/-80.428 χ^2/NDF : 30.7/24

Right Out: -1135.758+/-618.628 χ^2/NDF : 8.0/4

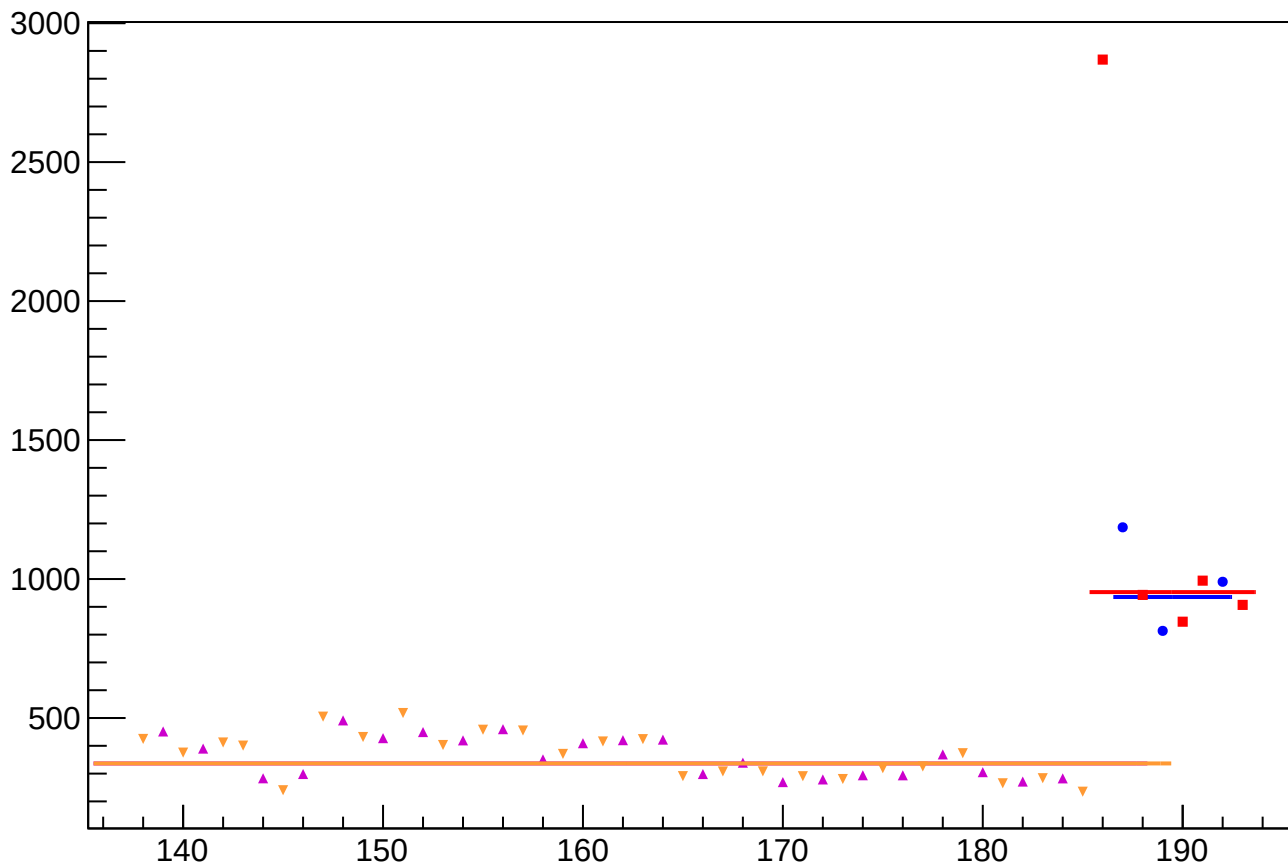
Left In: 75.579+/-82.319 χ^2/NDF : 32.1/22

+ sign -105.785+/-79.998 χ^2/NDF : 31.5/27

All: -27.229+/-57.125 χ^2/NDF : 77.3/55

- sign 54.504+/-81.599 χ^2/NDF : 43.8/27

asym_sam_15_26_dd_rms vs Slug



Right In: 935.316 $\pm$ 0.548 χ^2/NDF : 37851.4/2

Left Out: 336.557 $\pm$ 0.057 χ^2/NDF : 1665919.4/24

+ sign 342.937 $\pm$ 0.057 χ^2/NDF : 2884711.6/27

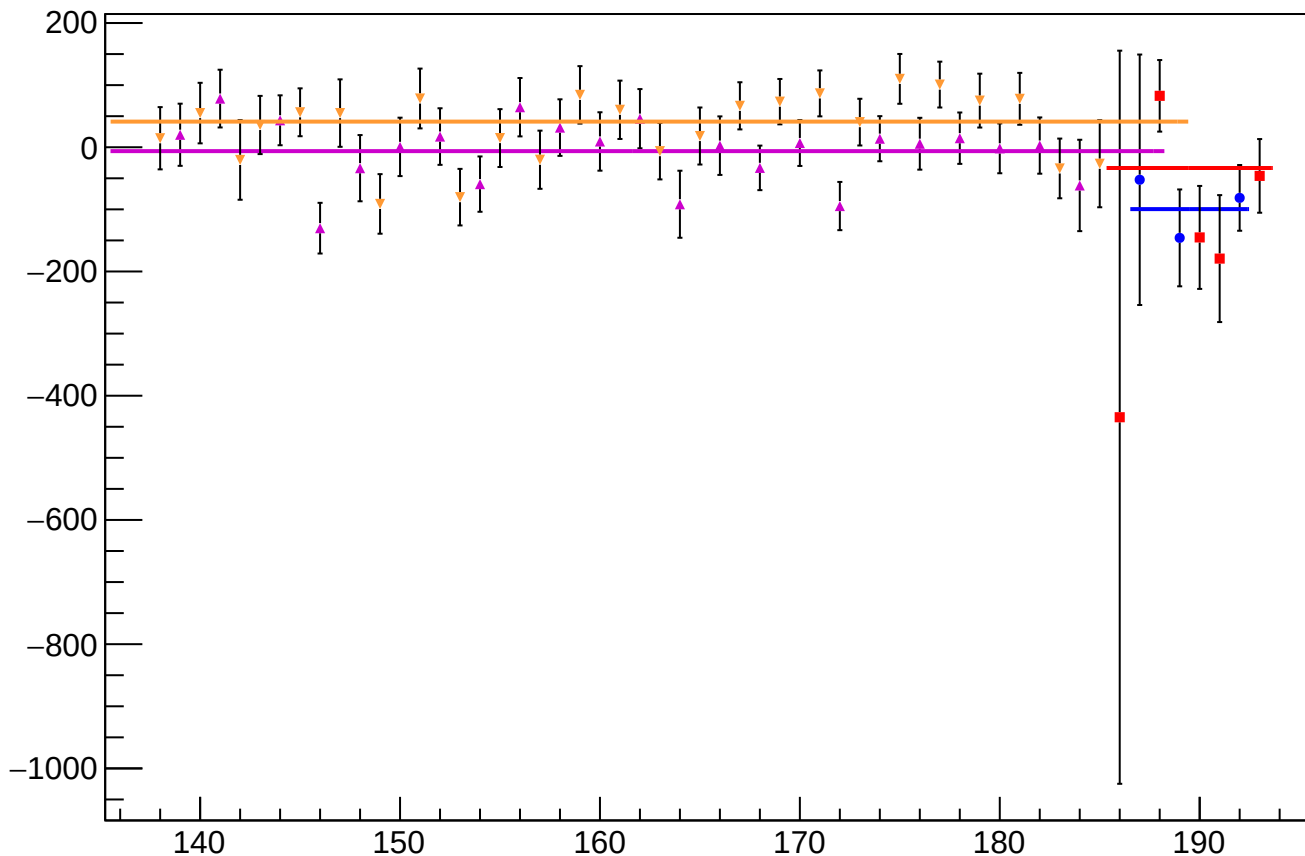
Right Out: 952.989 $\pm$ 0.437 χ^2/NDF : 346226.7/4

All: 345.010 $\pm$ 0.040 χ^2/NDF : 6454764.8/55

- sign 347.167 $\pm$ 0.058 χ^2/NDF : 3567312.7/27

Left In: 336.439 $\pm$ 0.058 χ^2/NDF : 1269066.3/22

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -99.596 ± 42.786 χ^2/NDF : 0.5/2

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -33.406 ± 34.716 χ^2/NDF : 8.4/4

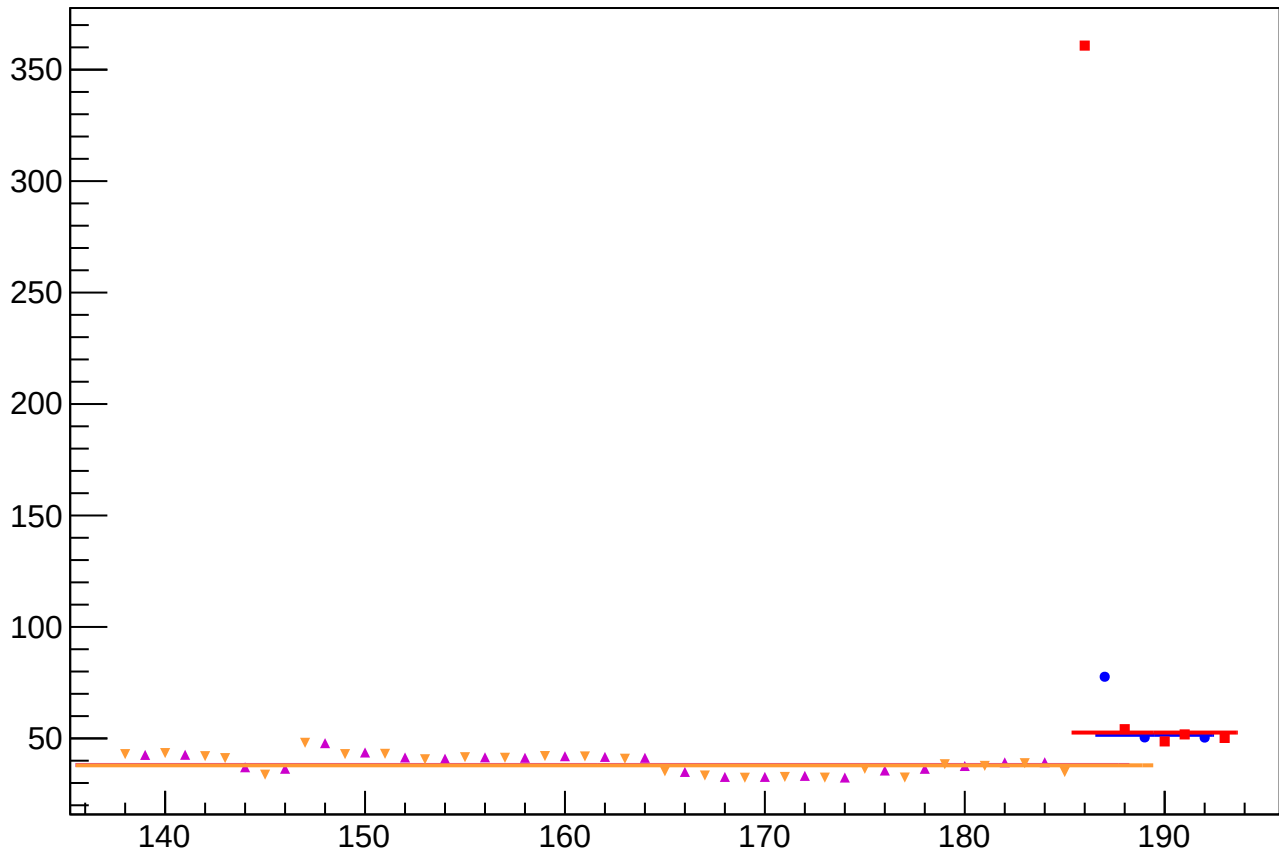
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 35.454 ± 8.703 χ^2/NDF : 45.3/27

All: 14.126 ± 6.212 χ^2/NDF : 96.8/55

- sign -8.026 ± 8.870 χ^2/NDF : 39.3/27

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 51.615 $\pm$ 0.030 χ^2/NDF : 34947.7/2

Left Out: 37.925 $\pm$ 0.006 χ^2/NDF : 487085.3/24

Right Out: 52.619 $\pm$ 0.025 χ^2/NDF : 554834.3/4

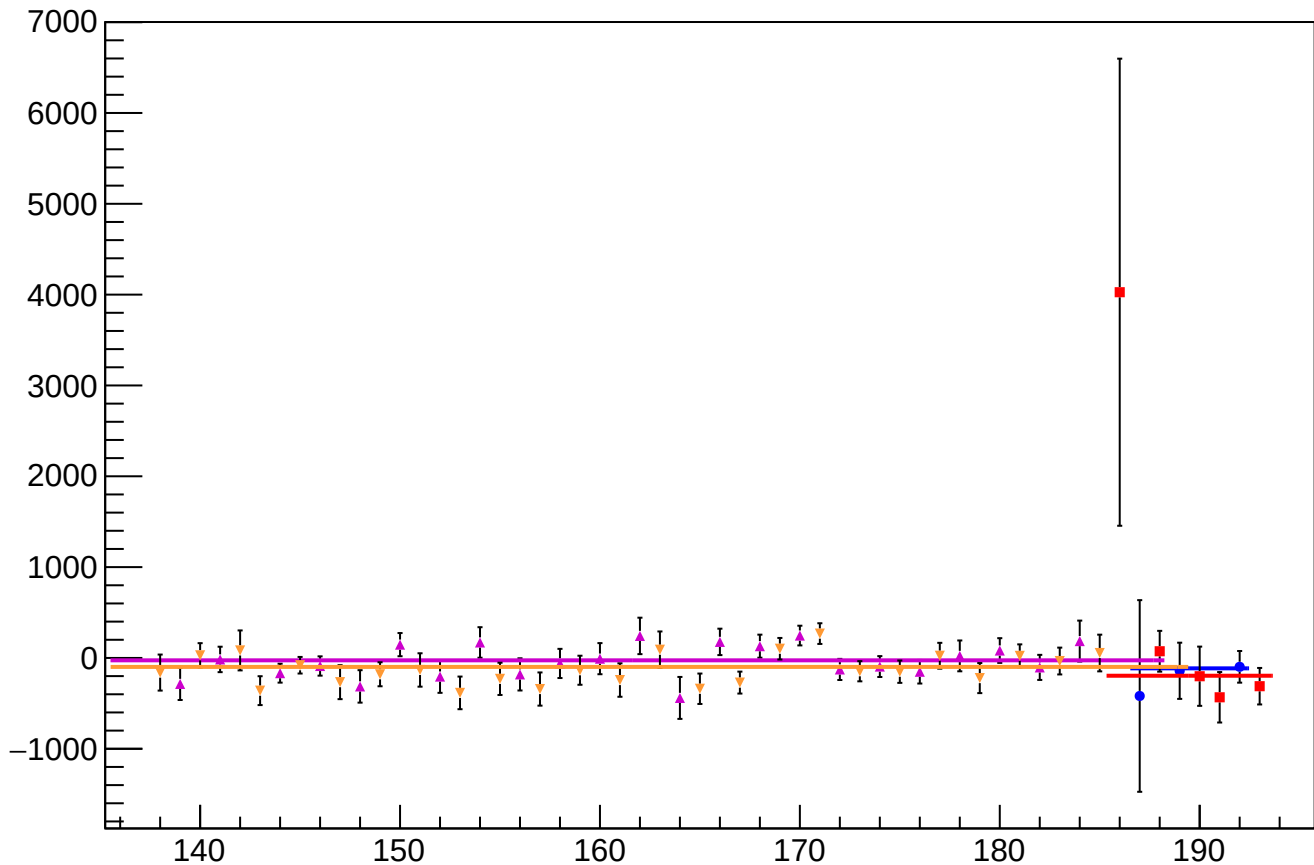
Left In: 38.087 $\pm$ 0.006 χ^2/NDF : 396334.5/22

+ sign 38.492 $\pm$ 0.006 χ^2/NDF : 718314.2/27

All: 38.759 $\pm$ 0.004 χ^2/NDF : 2000886.4/55

- sign 39.036 $\pm$ 0.006 χ^2/NDF : 1278733.3/27

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -114.598 ± 150.291 χ^2/NDF : 0.1/2

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -195.816 ± 122.074 χ^2/NDF : 5.2/4

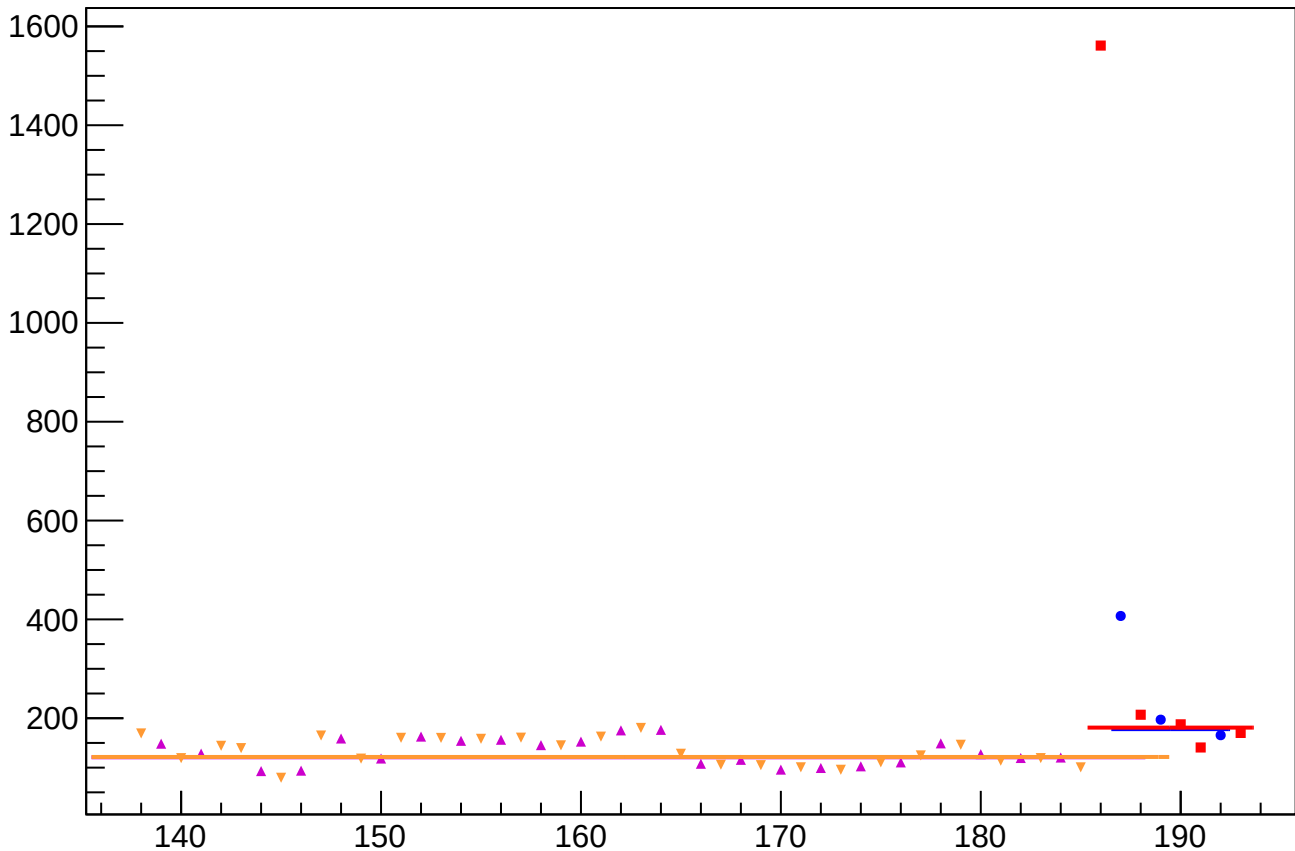
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -99.314 ± 28.565 χ^2/NDF : 32.9/27

All: -67.800 ± 20.294 χ^2/NDF : 73.0/55

- sign -35.686 ± 28.836 χ^2/NDF : 37.7/27

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 177.930 $\pm$ 0.106 χ^2 /NDF: 111853.1/2

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF: 1711423.9/24

Right Out: 180.992 $\pm$ 0.086 χ^2 /NDF: 651686.1/4

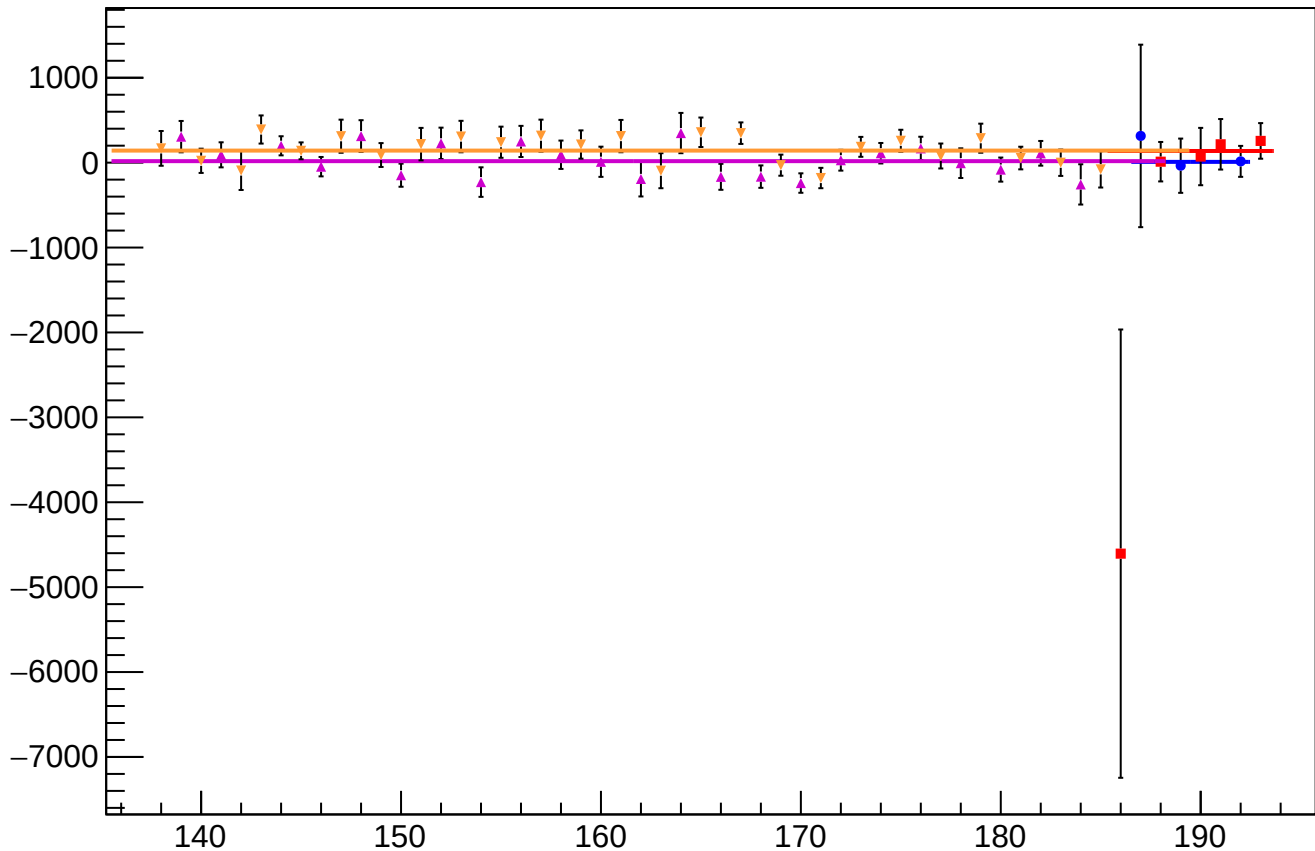
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 123.627 $\pm$ 0.020 χ^2 /NDF: 2094168.6/27

All: 123.950 $\pm$ 0.014 χ^2 /NDF: 4586423.9/55

- sign 124.278 $\pm$ 0.020 χ^2 /NDF: 2491740.5/27

asym_sam_37_26_dd_mean vs Slug



Right In: 9.231 ± 156.643 χ^2/NDF : 0.1/2

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: 137.390 ± 127.553 χ^2/NDF : 3.9/4

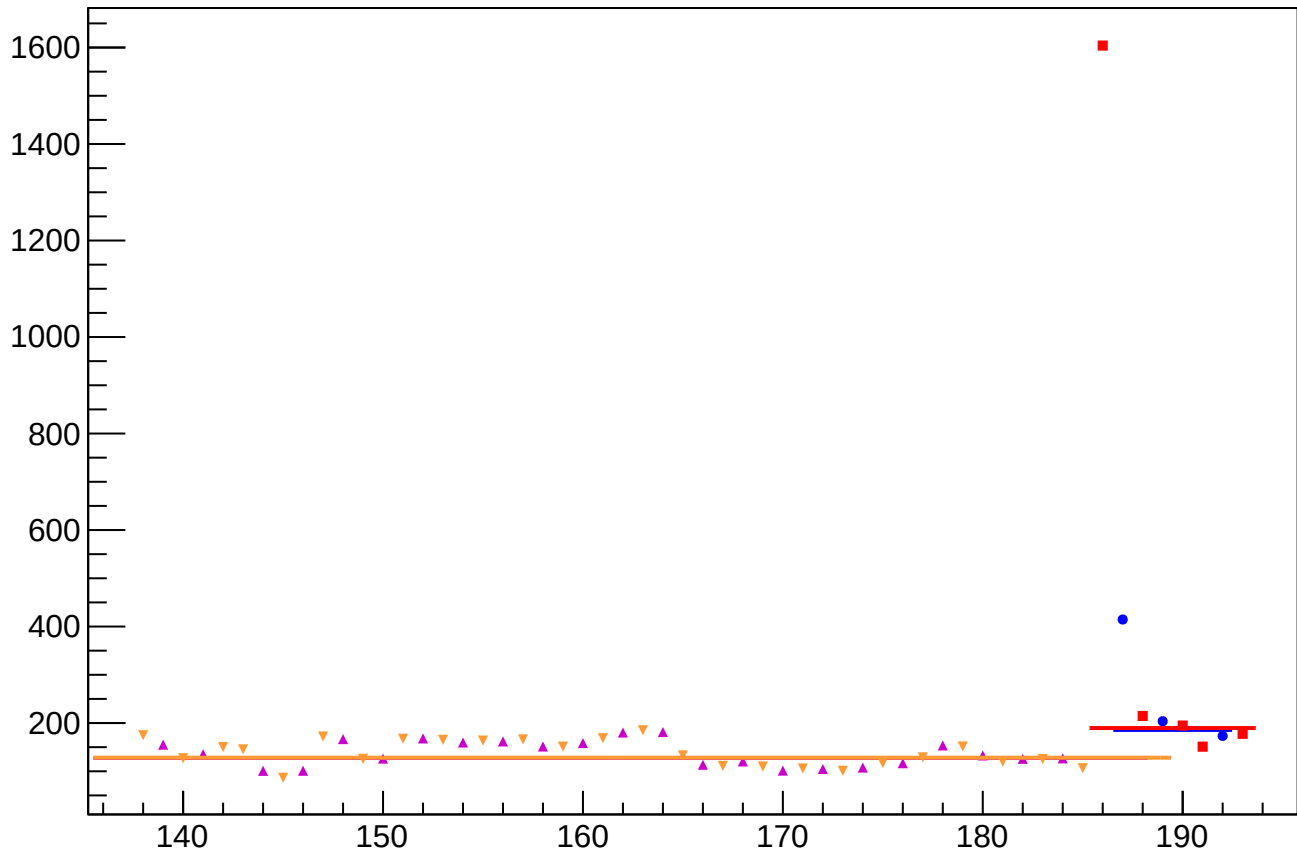
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 137.141 ± 30.008 χ^2/NDF : 27.7/27

All: 81.363 ± 21.326 χ^2/NDF : 69.6/55

- sign 24.441 ± 30.314 χ^2/NDF : 34.9/27

asym_sam_37_26_dd_rms vs Slug



Right In: 185.733 $\pm$ 0.111 χ^2 /NDF: 106352.0/2

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF: 1532922.0/24

Right Out: 189.673 $\pm$ 0.090 χ^2 /NDF: 637846.0/4

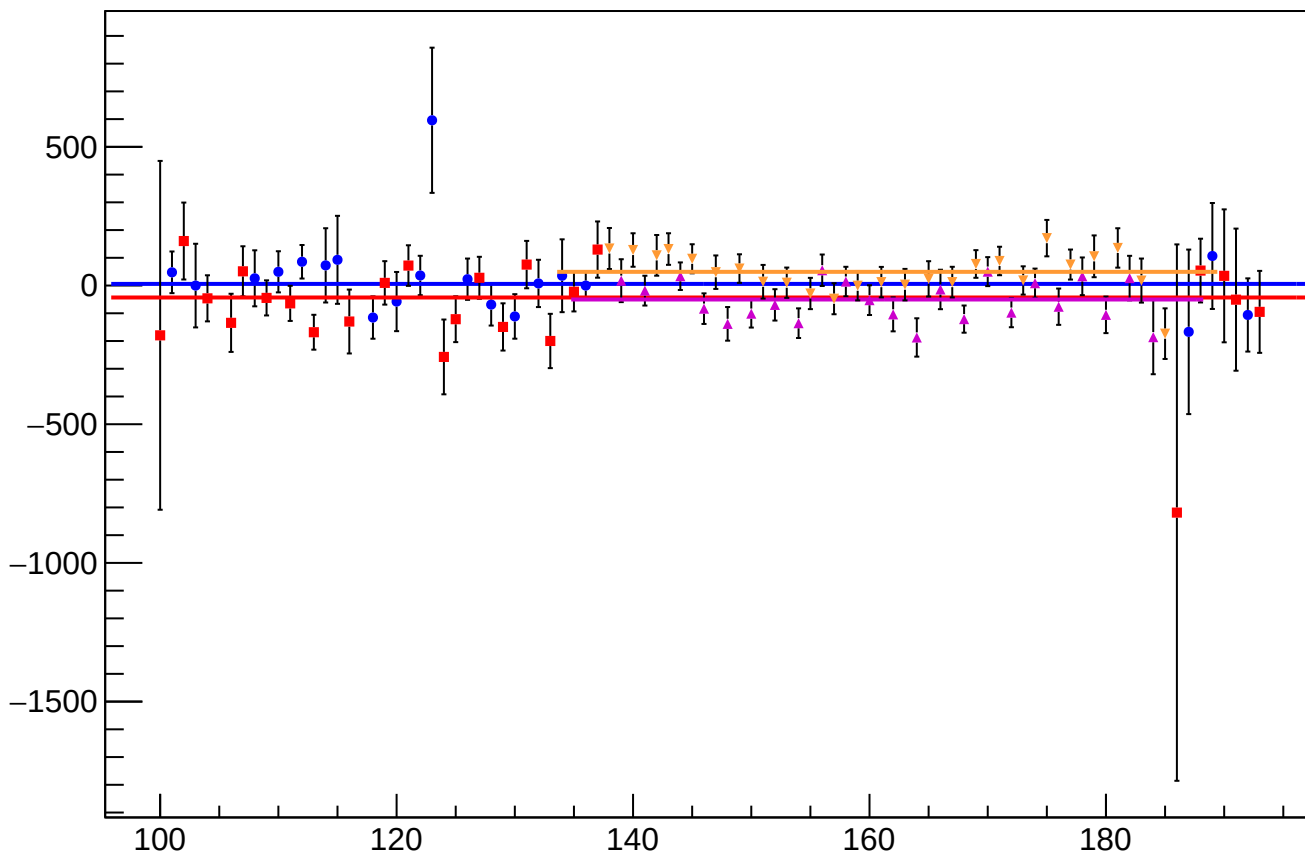
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF: 1235705.3/22

+ sign 130.287 $\pm$ 0.021 χ^2 /NDF: 1899401.0/27

All: 130.666 $\pm$ 0.015 χ^2 /NDF: 4221293.9/55

- sign 131.053 $\pm$ 0.021 χ^2 /NDF: 2321248.8/27

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.883 ± 19.801 χ^2/NDF : 15.7/19

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -43.097 ± 18.911 χ^2/NDF : 26.6/23

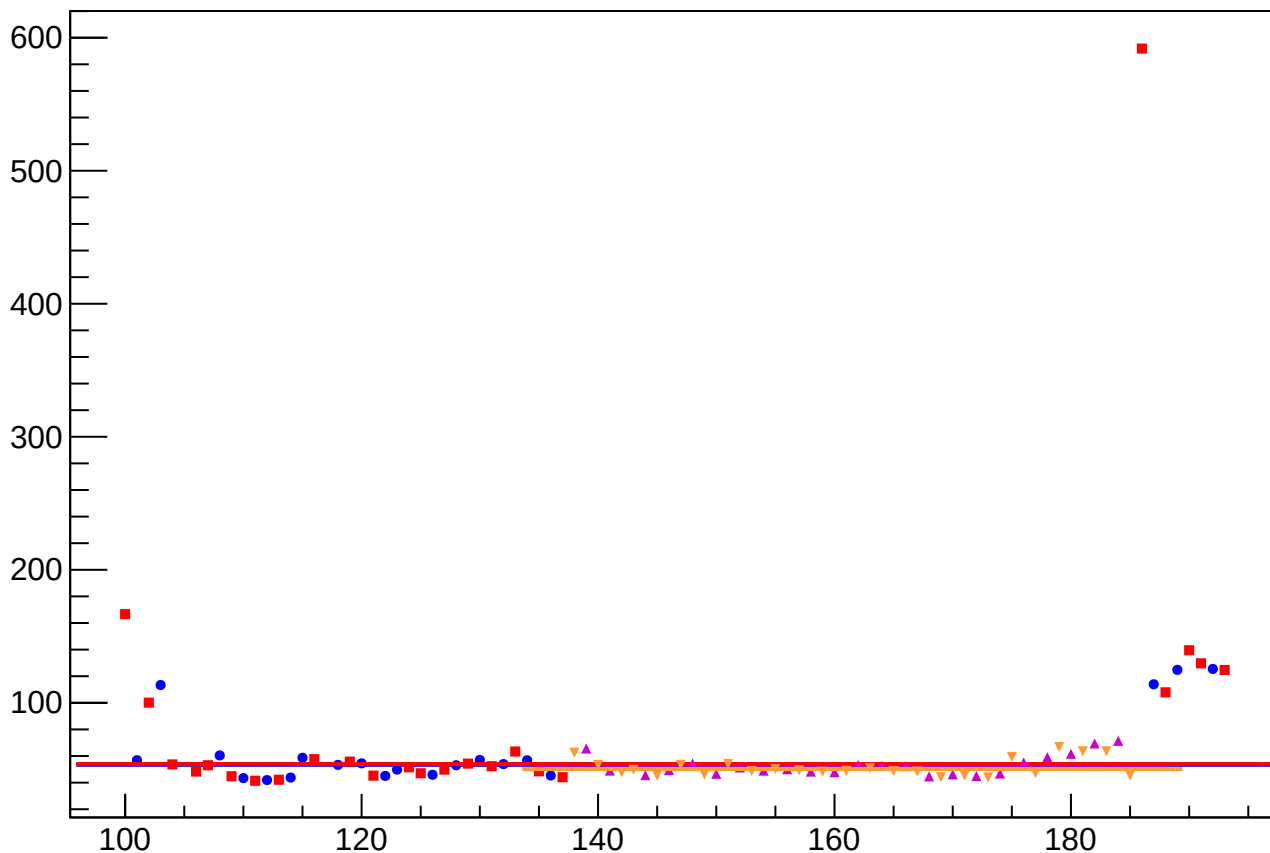
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 37.989 ± 10.140 χ^2/NDF : 47.3/44

All: -4.497 ± 7.220 χ^2/NDF : 141.8/91

- sign -48.192 ± 10.283 χ^2/NDF : 58.8/46

reg_asym_sam_1357_avg_rms vs Slug



Right In: 53.400 $\pm$ 0.014 χ^2 /NDF: 1516607.5/19

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 53.971 $\pm$ 0.013 χ^2 /NDF: 2532632.8/23

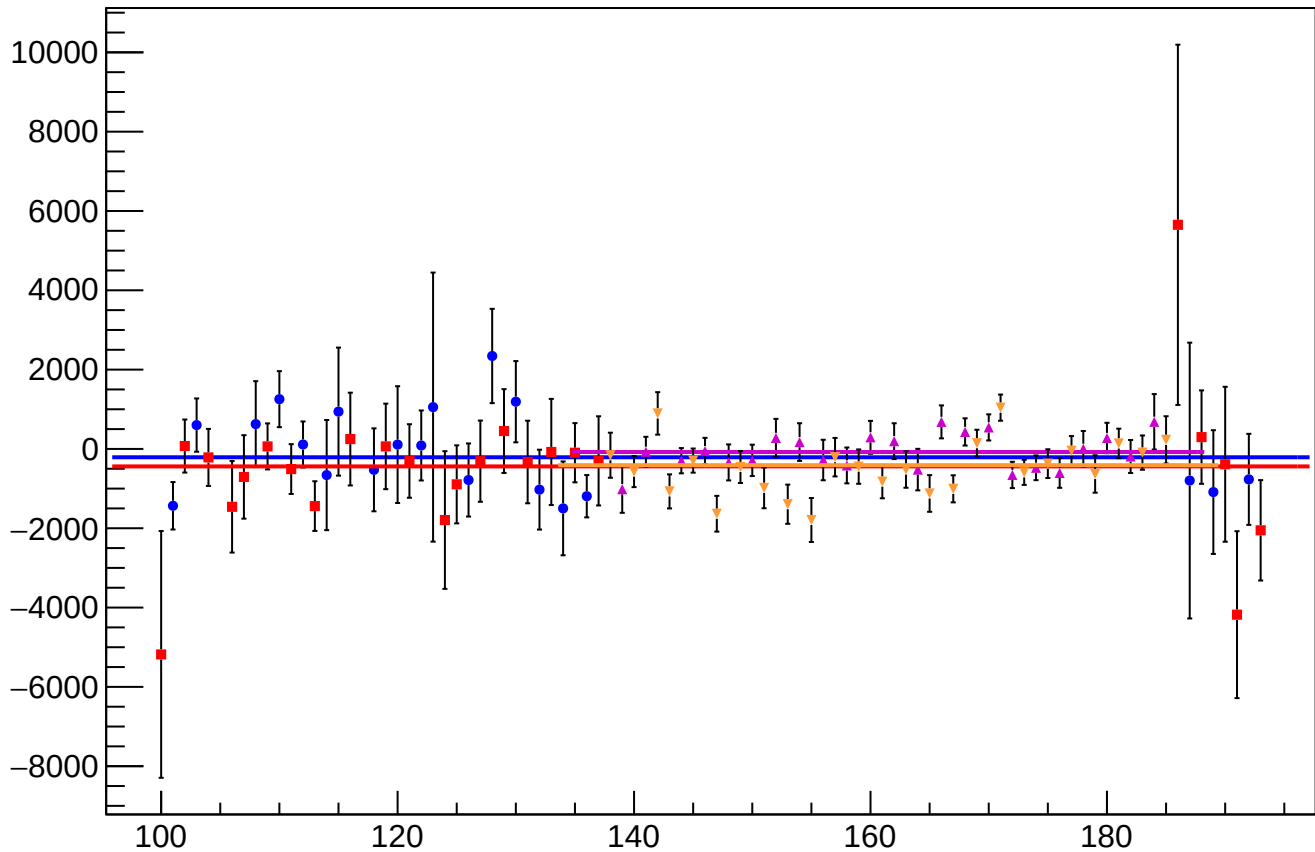
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 51.031 $\pm$ 0.007 χ^2 /NDF: 2023085.6/44

All: 51.339 $\pm$ 0.005 χ^2 /NDF: 5071310.3/91

- sign 51.655 $\pm$ 0.007 χ^2 /NDF: 3044494.1/46

asym_sam_1357_avg_correction_mean vs Slug



Right In: -210.292 ± 205.048 χ^2/NDF : 24.5/19

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -440.615 ± 196.491 χ^2/NDF : 16.6/23

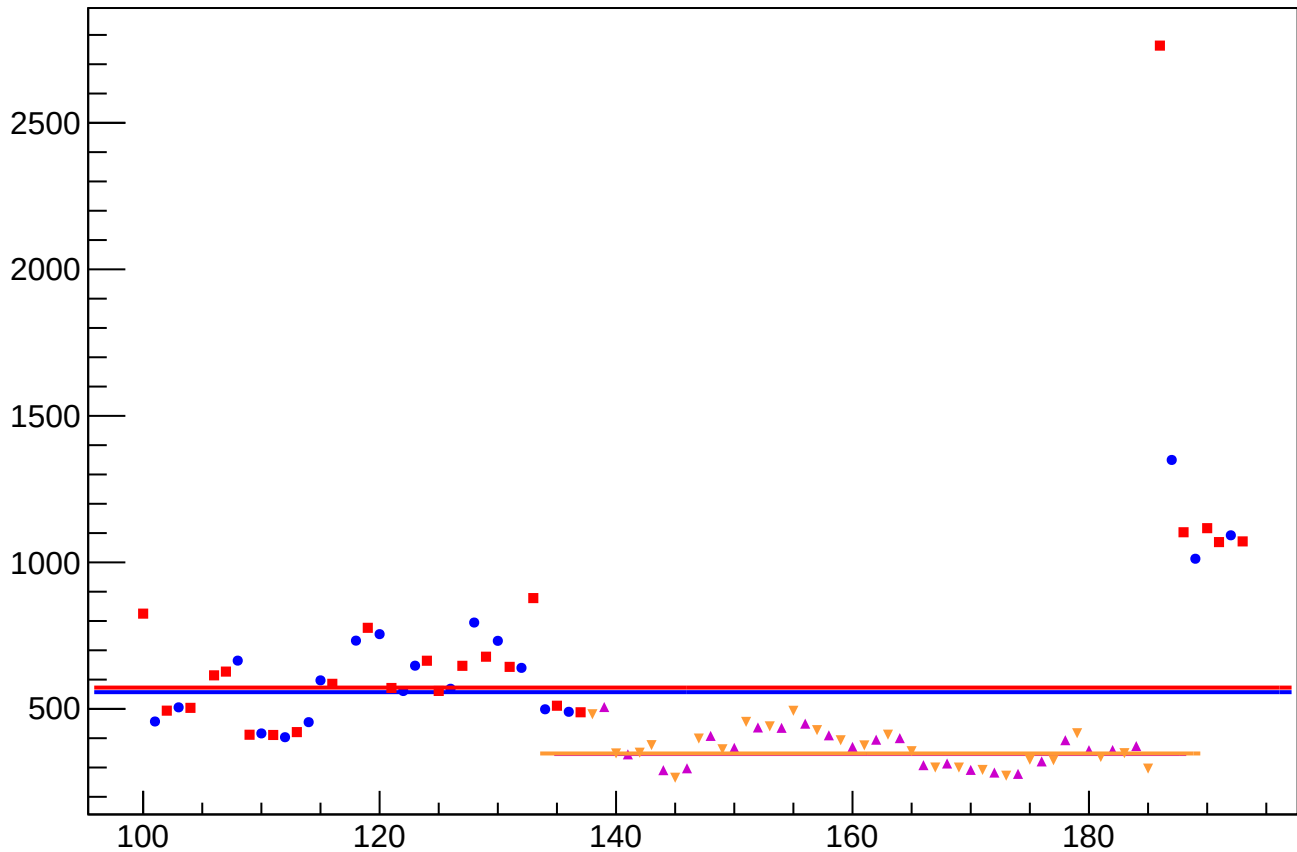
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -381.543 ± 76.416 χ^2/NDF : 87.0/44

All: -259.188 ± 54.342 χ^2/NDF : 136.5/91

- sign -134.003 ± 77.294 χ^2/NDF : 44.3/46

asym_sam_1357_avg_correction_rms vs Slug



Right In: 557.118 $\pm$ 0.145 χ^2 /NDF: 1311279.8/19

Left Out: 347.875 $\pm$ 0.058 χ^2 /NDF:1044096.7/24

Right Out: 572.780 $\pm$ 0.139 χ^2 /NDF: 2165420.5/23

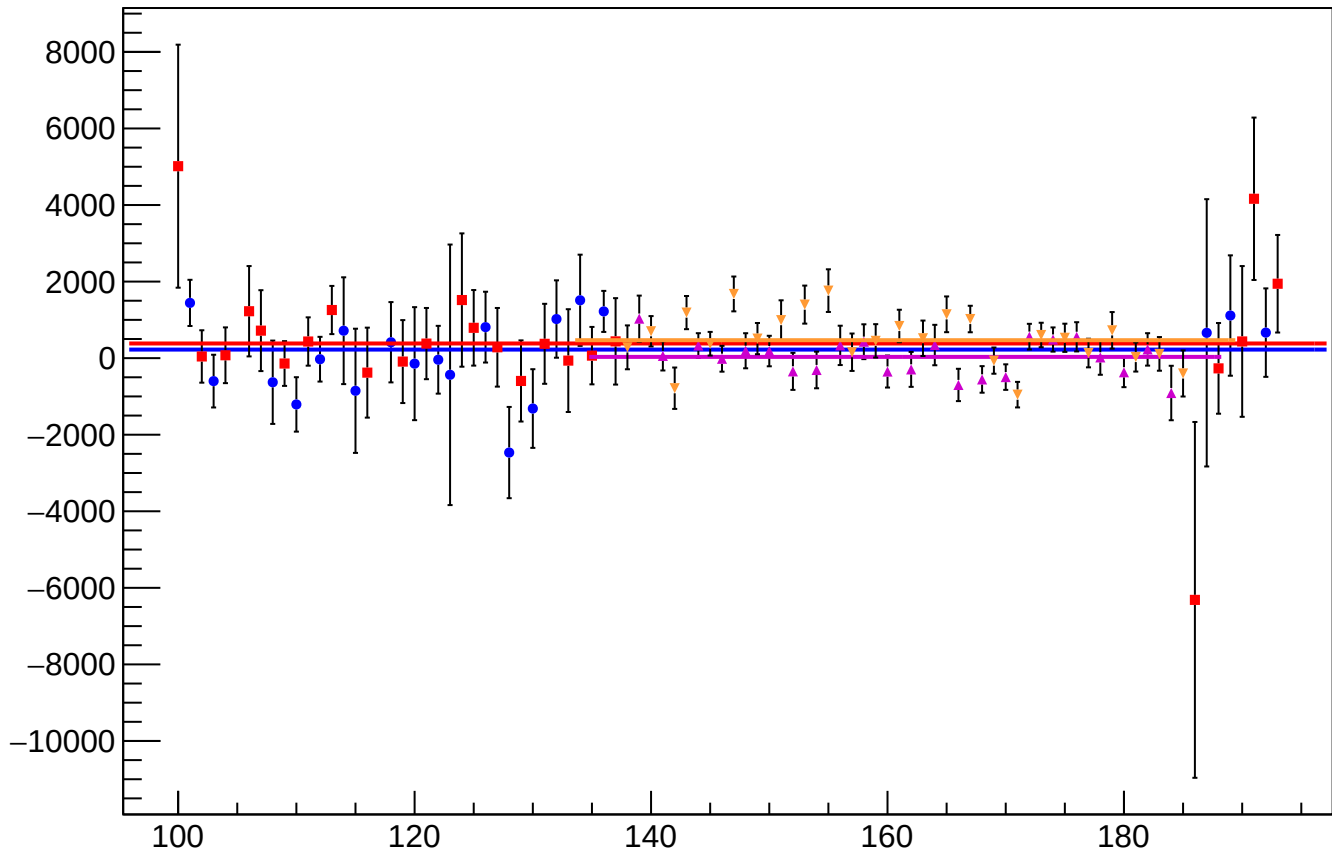
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF:900847.0/22

+ sign 376.936 $\pm$ 0.054 χ^2 /NDF: 4148783.7/44

All: 378.971 $\pm$ 0.038 χ^2 /NDF: 9470692.4/91

- sign 381.054 $\pm$ 0.055 χ^2 /NDF: 5319038.6/46

asym_sam_1357_avg_mean vs Slug



Right In: 223.709 ± 206.492 χ^2/NDF : 24.6/19

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 383.123 ± 198.001 χ^2/NDF : 15.3/23

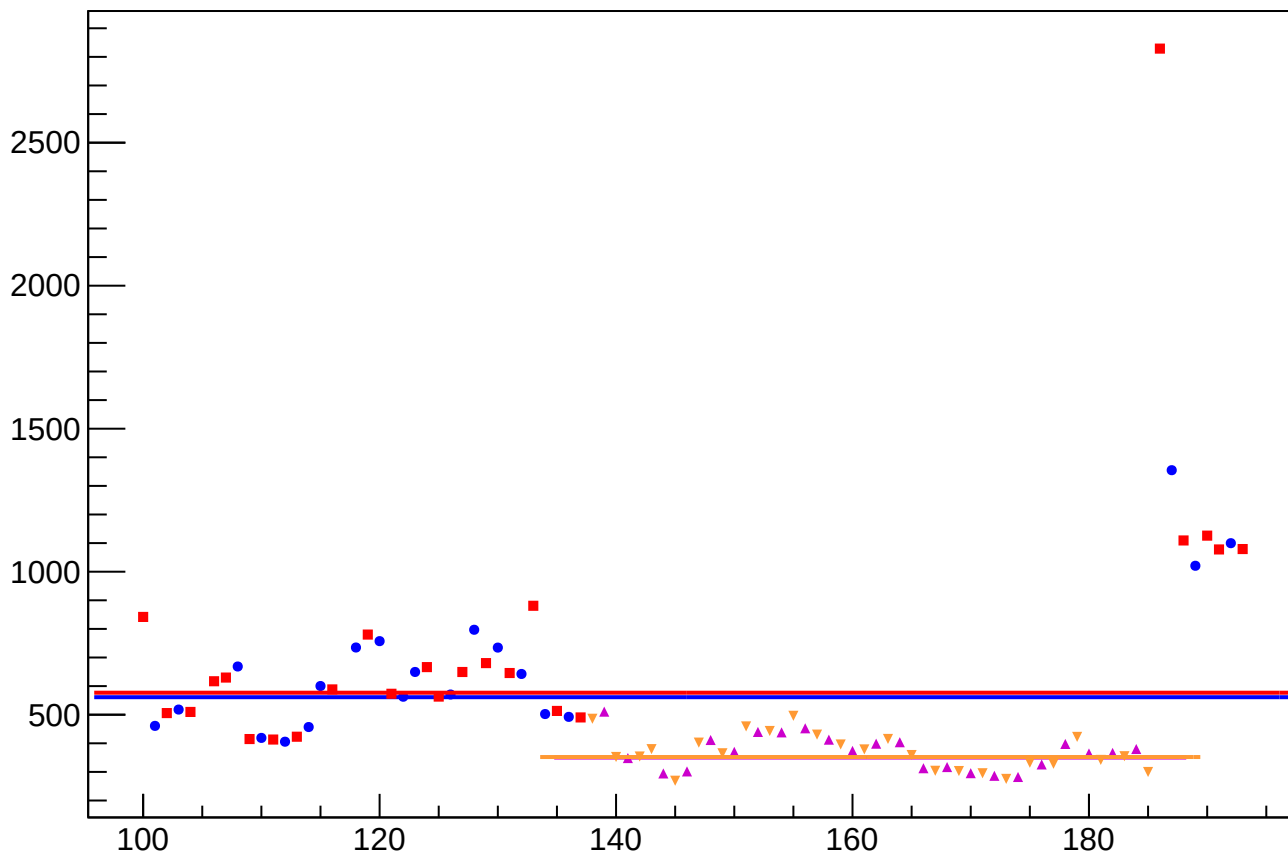
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 434.554 ± 77.247 χ^2/NDF : 83.4/44

All: 263.000 ± 54.941 χ^2/NDF : 137.0/91

- sign 87.384 ± 78.156 χ^2/NDF : 43.6/46

asym_sam_1357_avg_rms vs Slug



Right In: 561.216 $\pm$ 0.146 χ^2 /NDF: 1303098.6/19

Left Out: 352.015 $\pm$ 0.059 χ^2 /NDF:1017195.6/24

Right Out: 576.927 $\pm$ 0.140 χ^2 /NDF: 2161634.7/23

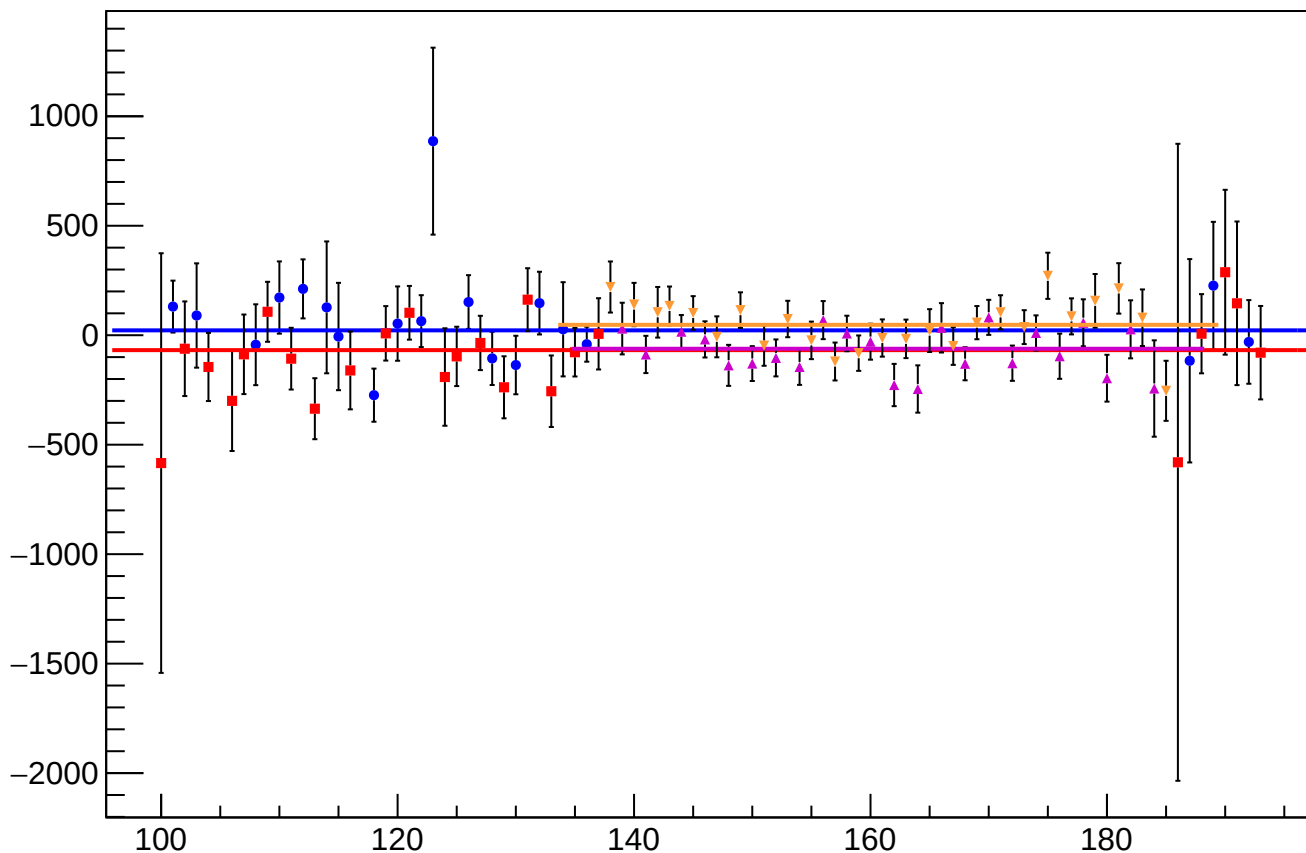
Left In: 350.160 $\pm$ 0.060 χ^2 /NDF:878380.0/22

+ sign 381.292 $\pm$ 0.055 χ^2 /NDF: 4085844.6/44

All: 383.368 $\pm$ 0.039 χ^2 /NDF: 9343376.1/91

- sign 385.493 $\pm$ 0.055 χ^2 /NDF: 5254608.6/46

reg_asym_sam_2468_avg_mean vs Slug



Right In: 22.208 $\pm$ 33.762 χ^2 /NDF: 19.9/19

Left Out: 47.426 $\pm$ 18.253 χ^2 /NDF: 29.4/24

Right Out: -68.138 $\pm$ 33.465 χ^2 /NDF: 17.0/23

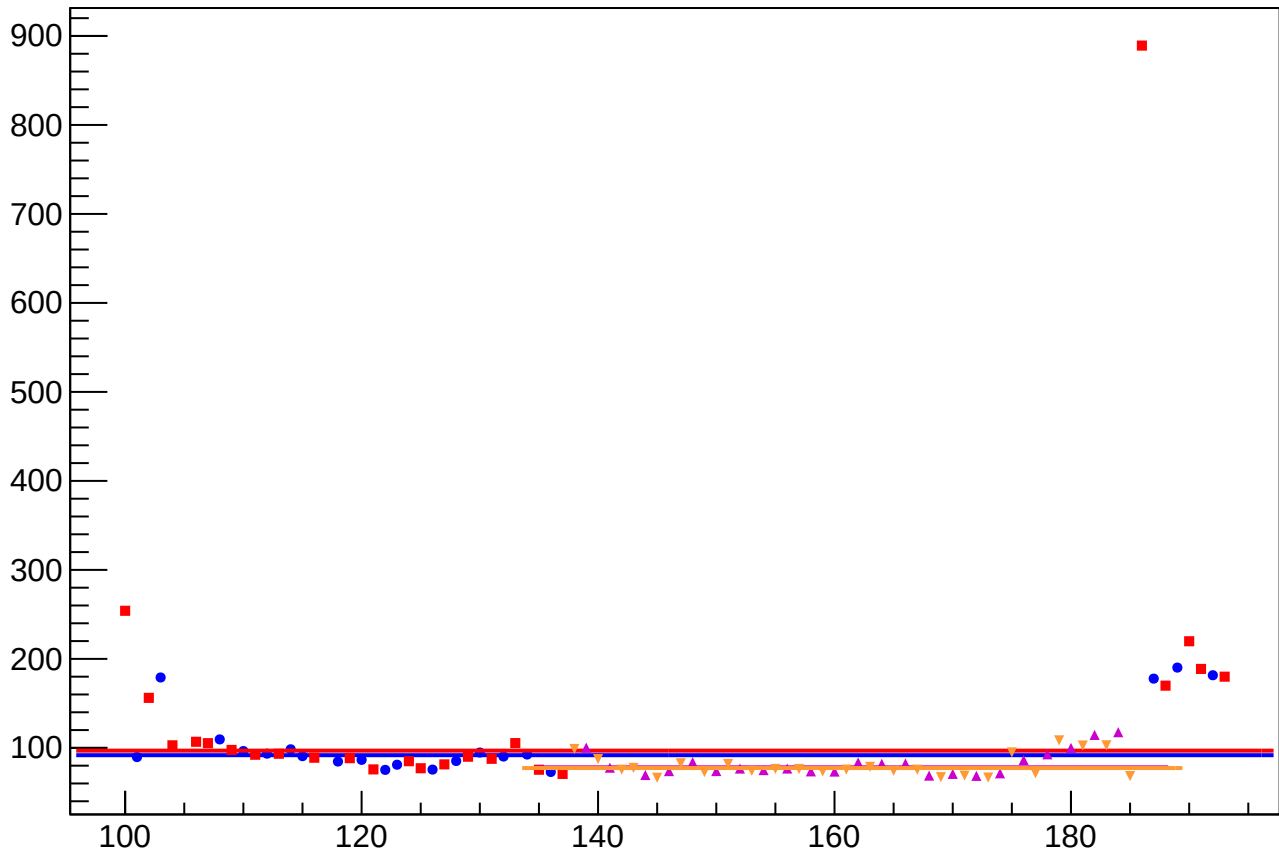
Left In: -61.830 $\pm$ 18.958 χ^2 /NDF: 24.0/22

+ sign 41.722 $\pm$ 16.056 χ^2 /NDF: 49.7/44

All: -9.405 $\pm$ 11.505 χ^2 /NDF: 111.5/91

- sign -63.362 $\pm$ 16.495 χ^2 /NDF: 41.0/46

reg_asym_sam_2468_avg_rms vs Slug



Right In: 91.771 ± 0.024 $\chi^2/\text{NDF}: 1231430.7/19$

Left Out: 77.316 ± 0.013 $\chi^2/\text{NDF}: 635622.3/24$

Right Out: 96.888 ± 0.024 $\chi^2/\text{NDF}: 2071895.9/23$

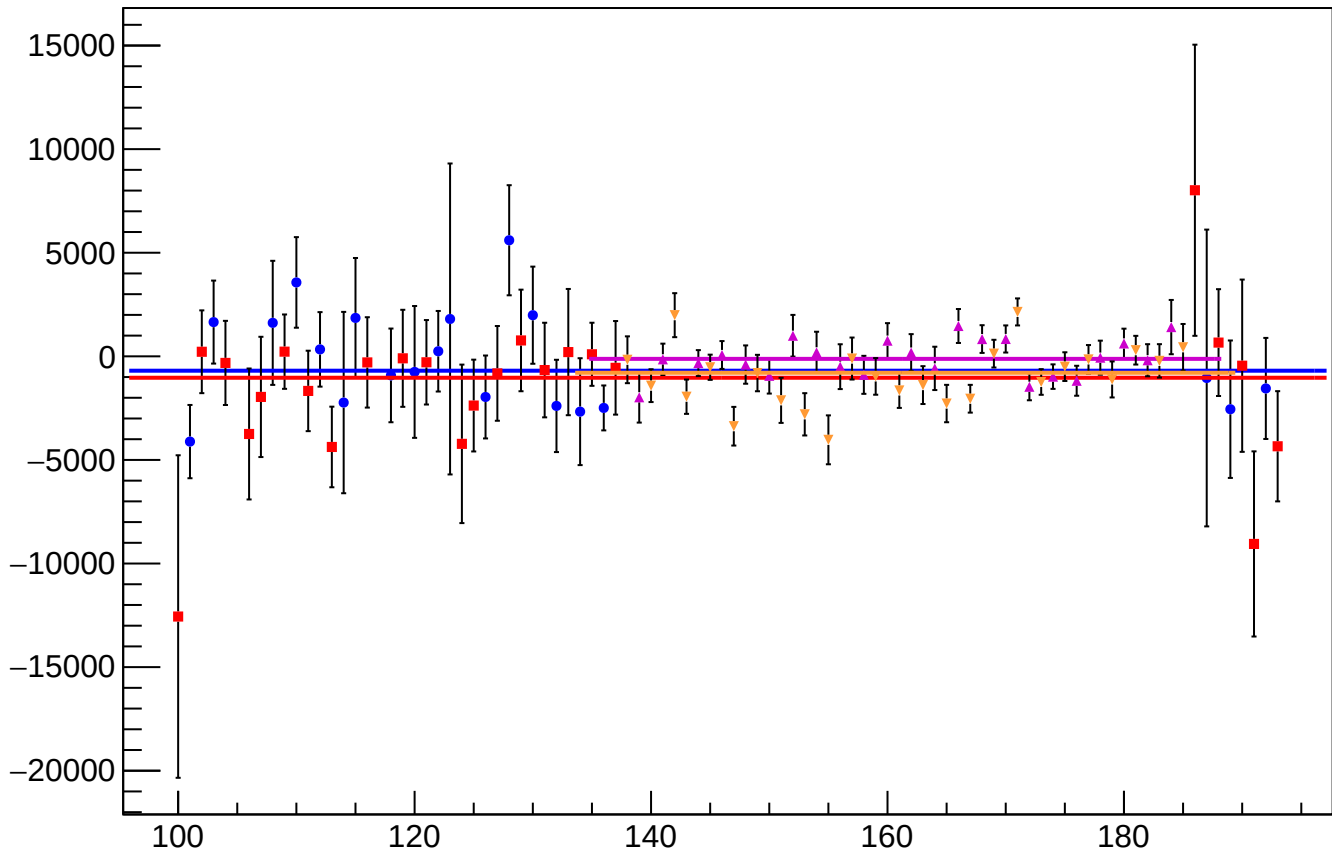
Left In: 78.139 ± 0.013 $\chi^2/\text{NDF}: 582108.1/22$

+ sign 80.586 ± 0.011 $\chi^2/\text{NDF}: 2150744.8/44$

All: 81.611 ± 0.008 $\chi^2/\text{NDF}: 5296830.3/91$

- sign 82.694 ± 0.012 $\chi^2/\text{NDF}: 3129306.4/46$

asym_sam_2468_avg_correction_mean vs Slug



Right In: -693.562 ± 499.862 χ^2/NDF : 22.8/19

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1033.538 ± 489.170 χ^2/NDF : 16.8/23

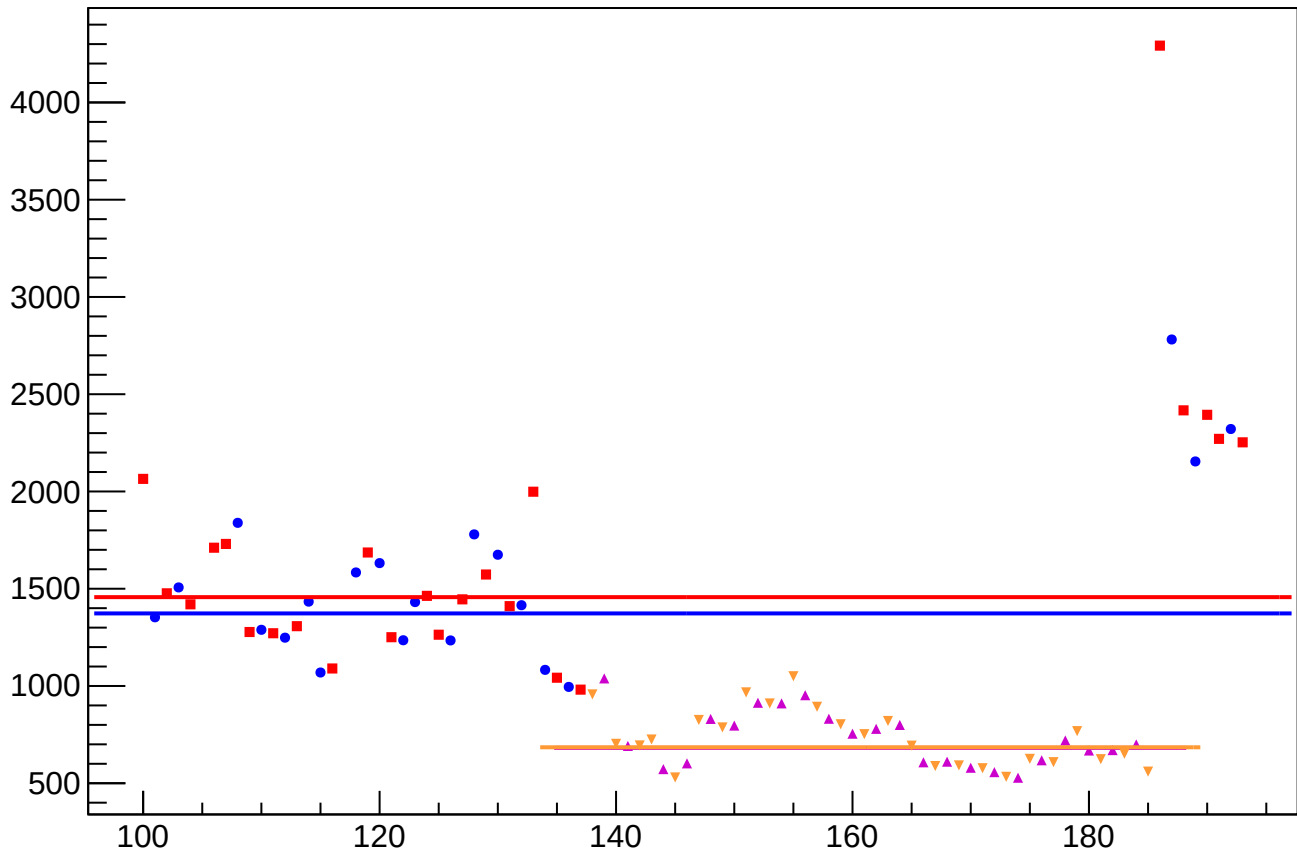
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -783.276 ± 154.676 χ^2/NDF : 89.4/44

All: -504.765 ± 110.309 χ^2/NDF : 141.9/91

- sign -216.505 ± 157.360 χ^2/NDF : 45.8/46

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1373.062 $\pm$ 0.353 χ^2 /NDF: 982271.0/19

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF: 1280146.2/24

Right Out: 1456.751 $\pm$ 0.346 χ^2 /NDF: 1461025.8/23

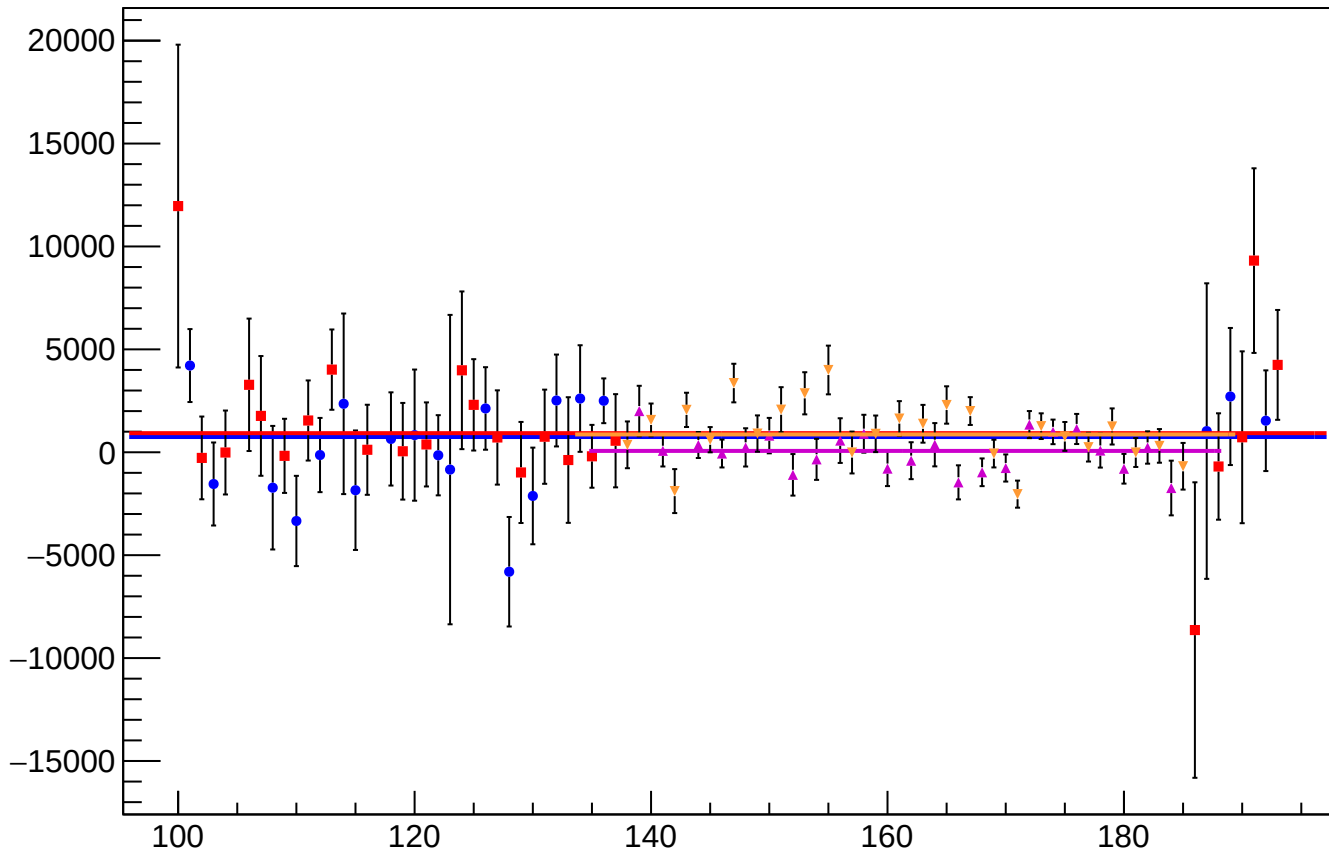
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF: 1119637.0/22

+ sign 750.688 $\pm$ 0.109 χ^2 /NDF: 5691241.1/44

All: 756.205 $\pm$ 0.078 χ^2 /NDF: 12778145.1/9

- sign 761.915 $\pm$ 0.111 χ^2 /NDF: 7081726.3/46

asym_sam_2468_avg_mean vs Slug



Right In: 740.976 $\pm$ 501.304 χ^2 /NDF: 22.9/19

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF:62.8/24

Right Out: 928.877 $\pm$ 490.837 χ^2 /NDF: 16.1/23

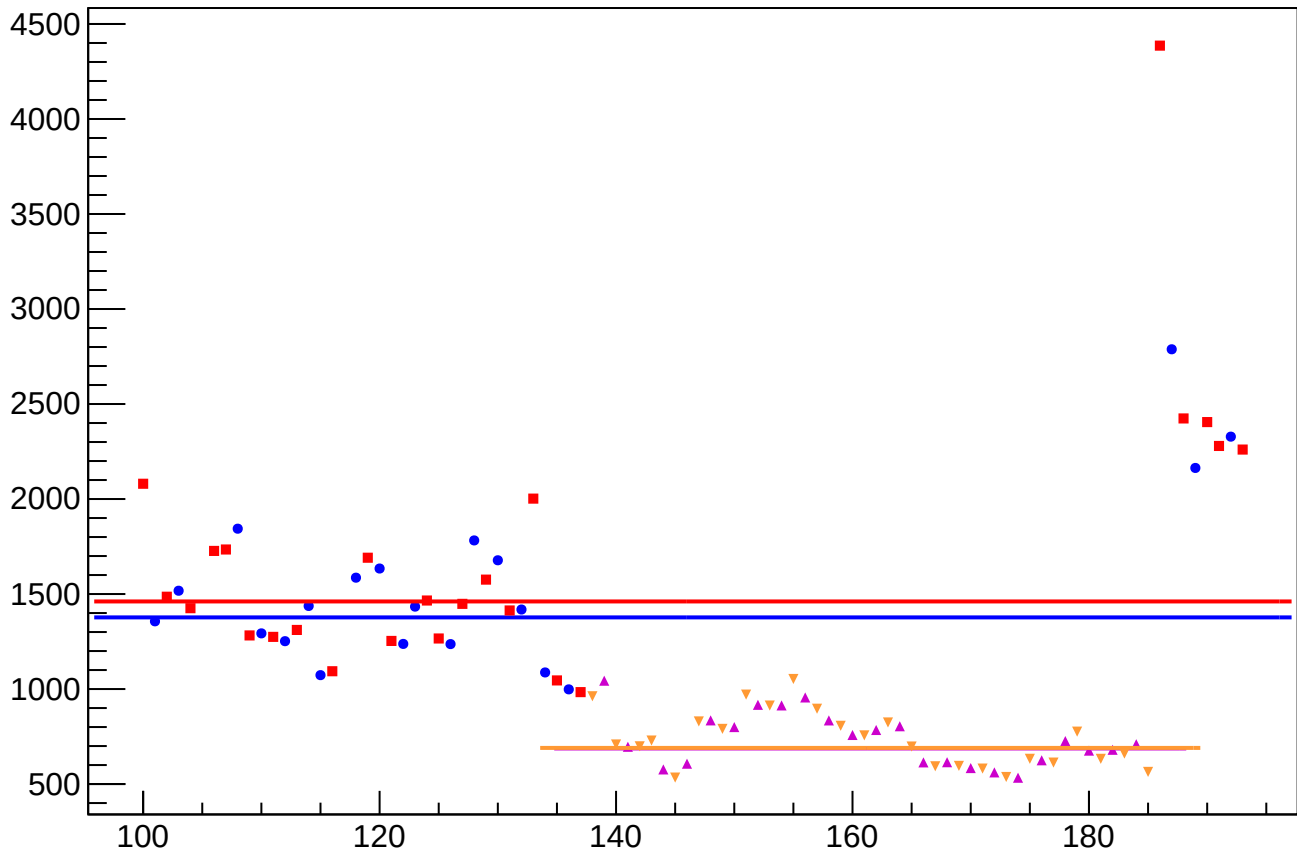
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF:26.4/22

+ sign 853.564 $\pm$ 155.773 χ^2 /NDF: 85.8/44

All: 510.820 $\pm$ 111.103 χ^2 /NDF: 141.0/91

- sign 155.921 $\pm$ 158.511 χ^2 /NDF: 45.3/46

asym_sam_2468_avg_rms vs Slug



Right In: 1377.056 ± 0.354 $\chi^2/\text{NDF}: 982043.4/19$

Left Out: 690.166 ± 0.116 $\chi^2/\text{NDF}: 1258158.2/24$

Right Out: 1460.994 ± 0.347 $\chi^2/\text{NDF}: 1469407.7/23$

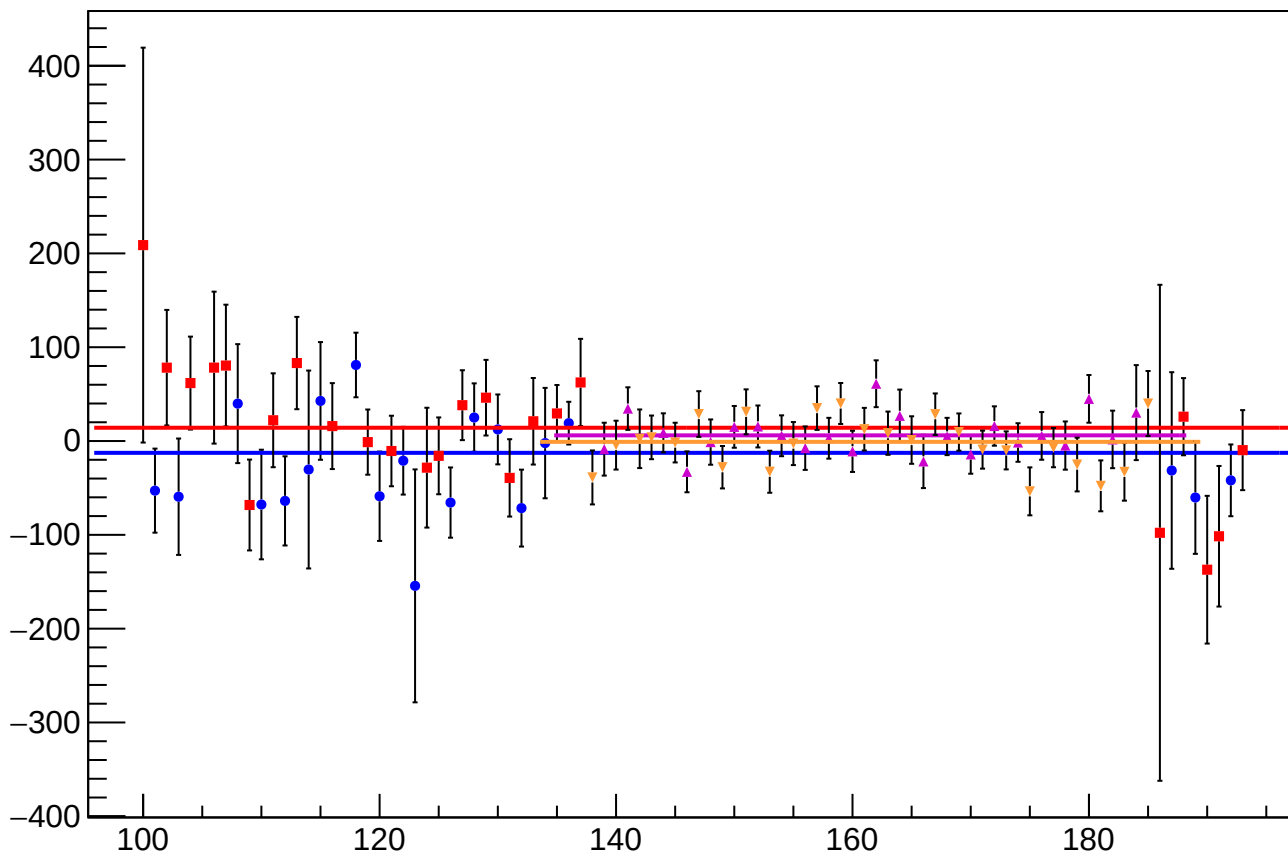
Left In: 687.216 ± 0.118 $\chi^2/\text{NDF}: 1099706.1/22$

+ sign 756.490 ± 0.110 $\chi^2/\text{NDF}: 5632566.8/44$

All: 762.102 ± 0.079 $\chi^2/\text{NDF}: 12658963.4/9$

- sign 767.914 ± 0.112 $\chi^2/\text{NDF}: 7021111.9/46$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -12.587 ± 9.874 χ^2/NDF : 23.4/19

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 14.163 ± 9.705 χ^2/NDF : 21.8/23

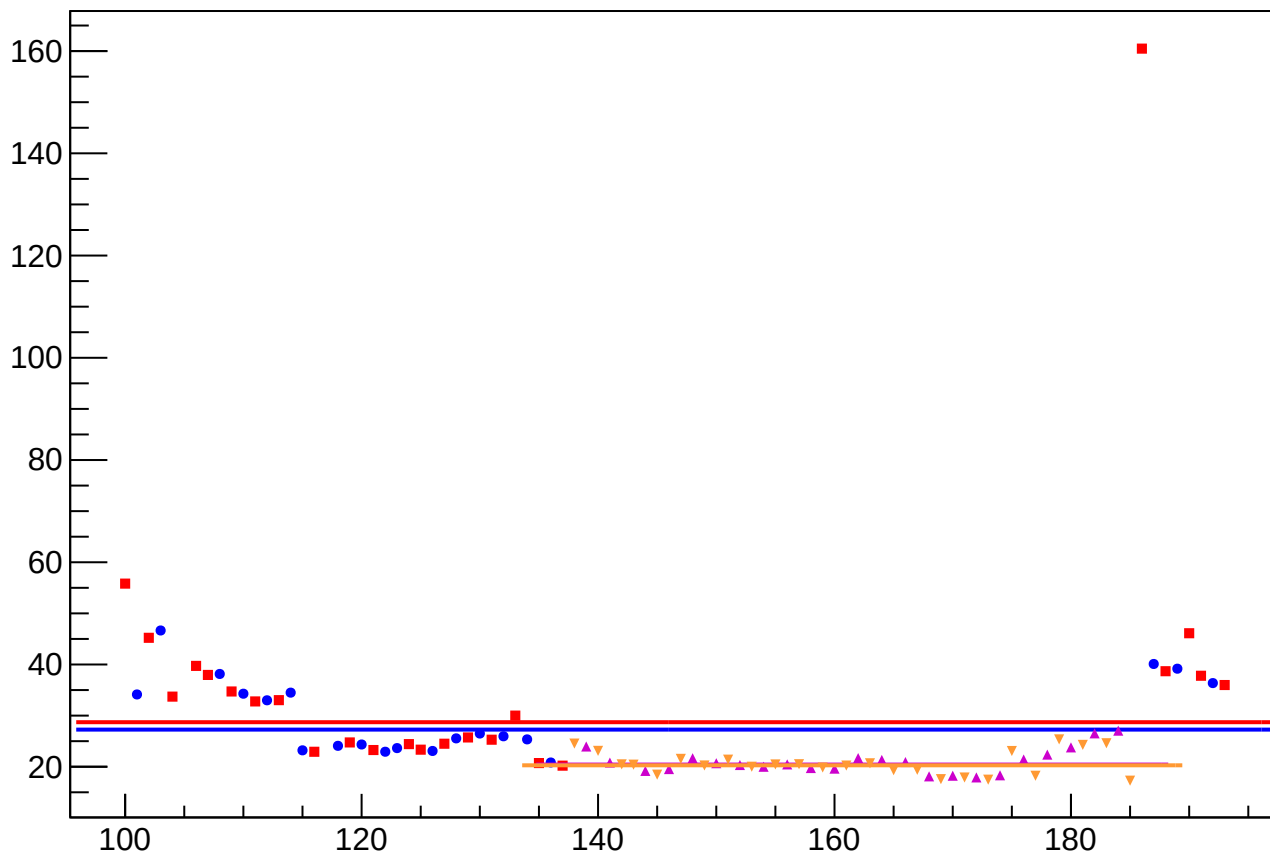
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.073 ± 4.288 χ^2/NDF : 52.5/44

All: 2.187 ± 3.068 χ^2/NDF : 94.8/91

- sign 7.705 ± 4.392 χ^2/NDF : 39.3/46

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 27.262 $\pm$ 0.007 χ^2 /NDF: 848455.8/19

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 28.711 $\pm$ 0.007 χ^2 /NDF: 1535377.5/23

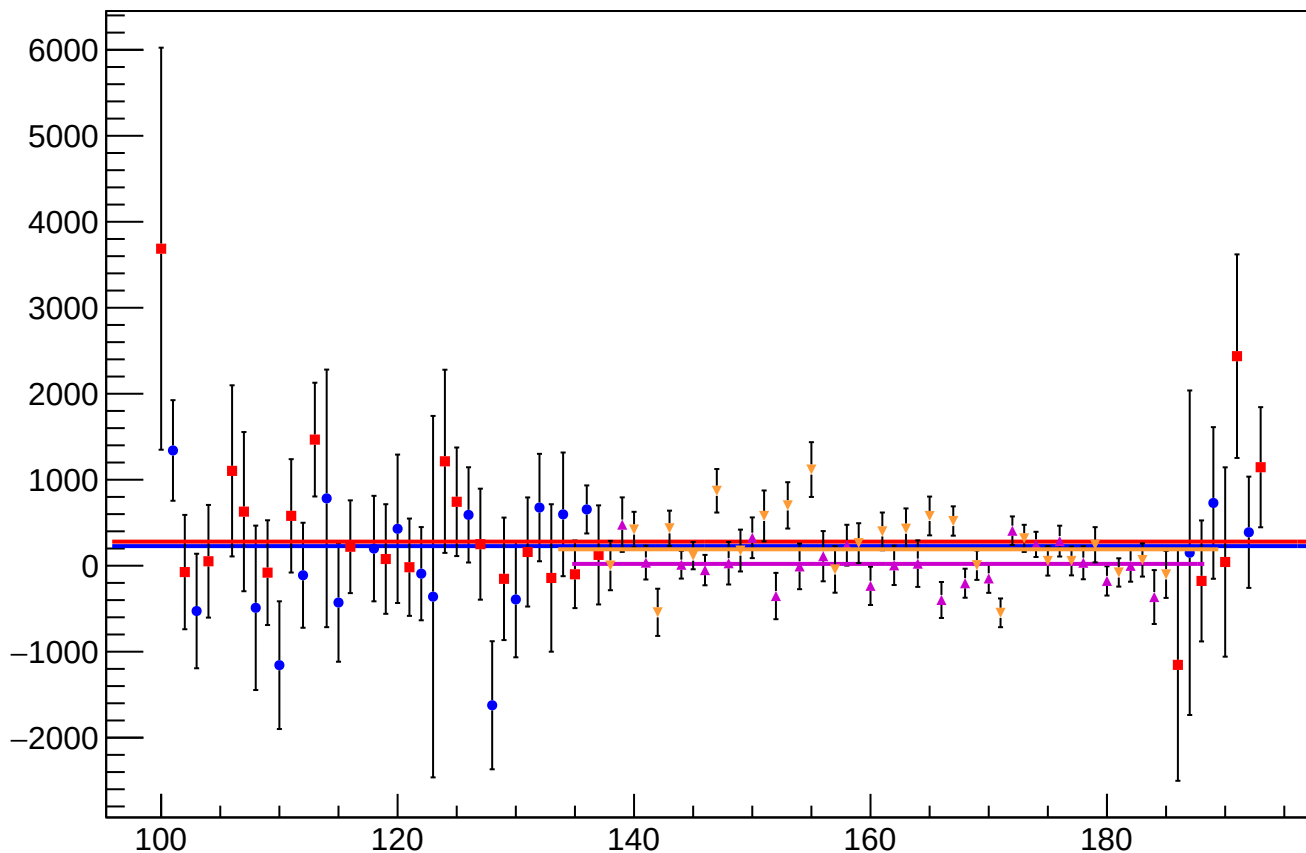
Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

+ sign 21.596 $\pm$ 0.003 χ^2 /NDF: 2067131.4/44

All: 21.852 $\pm$ 0.002 χ^2 /NDF: 5100282.5/91

- sign 22.121 $\pm$ 0.003 χ^2 /NDF: 3018526.3/46

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 227.762 ± 142.150 χ^2/NDF : 21.7/19

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 280.009 ± 140.733 χ^2/NDF : 16.9/23

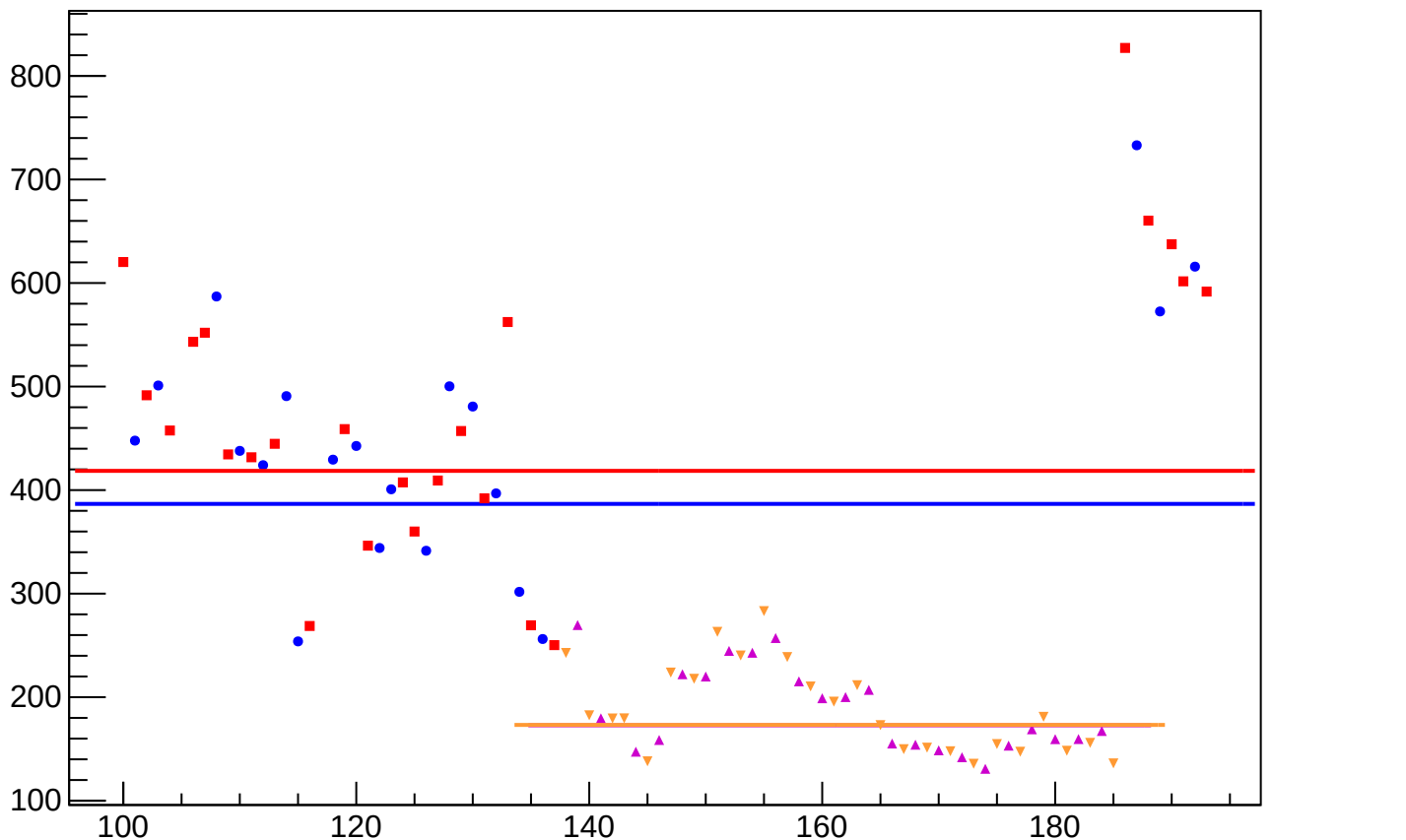
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 193.741 ± 39.672 χ^2/NDF : 89.7/44

All: 119.660 ± 28.341 χ^2/NDF : 144.6/91

- sign 42.450 ± 40.502 χ^2/NDF : 47.8/46

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 386.677 $\pm$ 0.101 χ^2 /NDF: 1270920.1/19

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF: 1561250.6/24

Right Out: 418.579 $\pm$ 0.100 χ^2 /NDF: 1529885.8/23

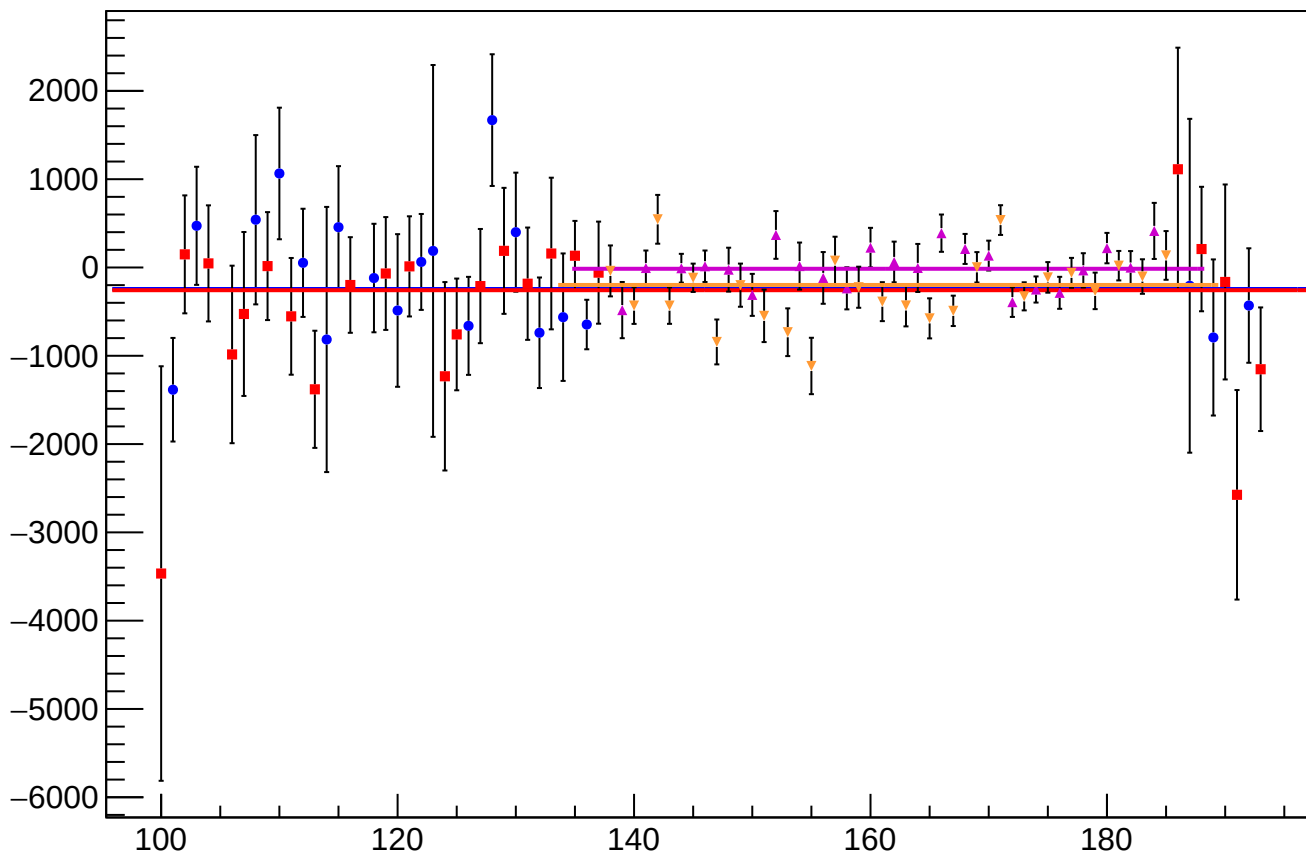
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF: 1372131.7/22

+ sign 189.837 $\pm$ 0.028 χ^2 /NDF: 6991067.2/44

All: 191.475 $\pm$ 0.020 χ^2 /NDF: 15493521.5/90

- sign 193.182 $\pm$ 0.029 χ^2 /NDF: 8495493.0/46

asym_sam_1357_2468_dd_mean vs Slug



Right In: -243.609 ± 142.555 χ^2/NDF : 22.0/19

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -257.282 ± 141.169 χ^2/NDF : 16.7/23

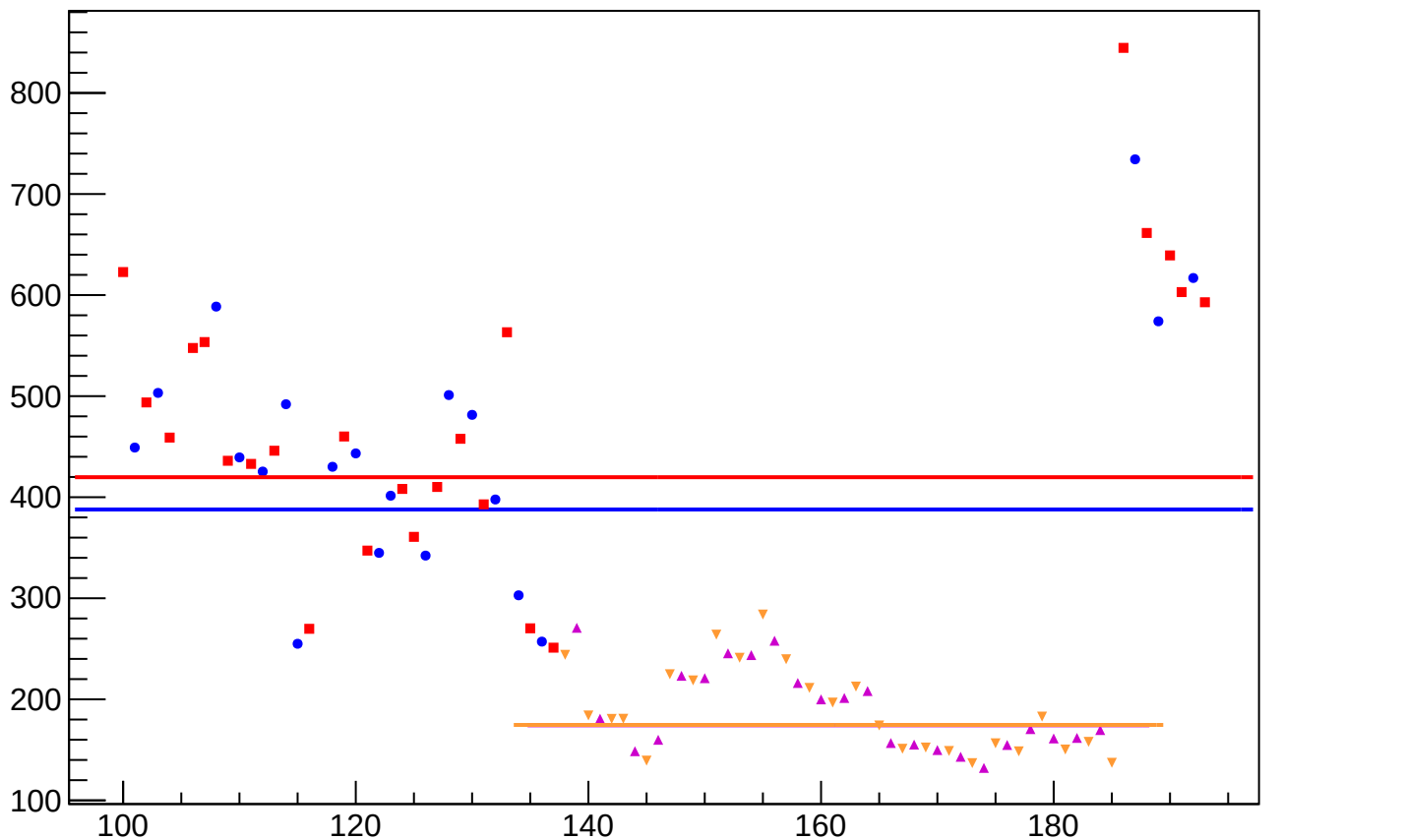
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -201.509 ± 39.968 χ^2/NDF : 86.3/44

All: -119.937 ± 28.554 χ^2/NDF : 142.0/91

- sign -34.895 ± 40.809 χ^2/NDF : 47.1/46

asym_sam_1357_2468_dd_rms vs Slug



Right In: 387.839 $\pm$ 0.101 χ^2/NDF : 1266874.5/19

Left Out: 174.648 $\pm$ 0.029 χ^2/NDF :1531999.5/24

Right Out: 419.789 $\pm$ 0.100 χ^2/NDF : 1535299.0/23

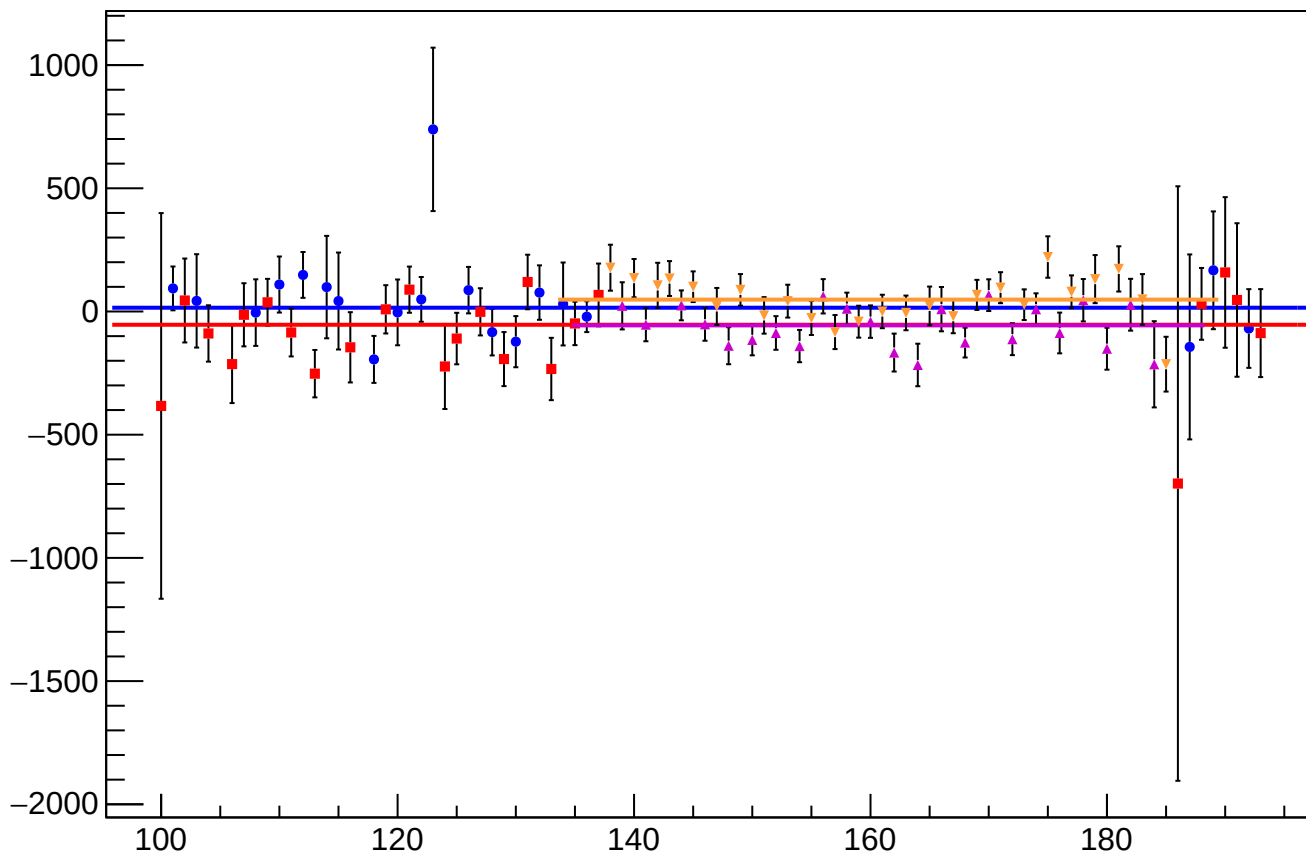
Left In: 174.288 $\pm$ 0.030 χ^2/NDF :1344779.5/22

+ sign 191.406 $\pm$ 0.028 χ^2/NDF : 6920316.9/44

All: 193.070 $\pm$ 0.020 χ^2/NDF : 15350656.4/90

- sign 194.804 $\pm$ 0.029 χ^2/NDF : 8423261.9/46

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 15.323+/-25.810 χ^2/NDF : 18.4/19

Left Out: 48.233+/-14.616 χ^2/NDF : 29.3/24

Right Out: -53.861+/-25.339 χ^2/NDF : 19.9/23

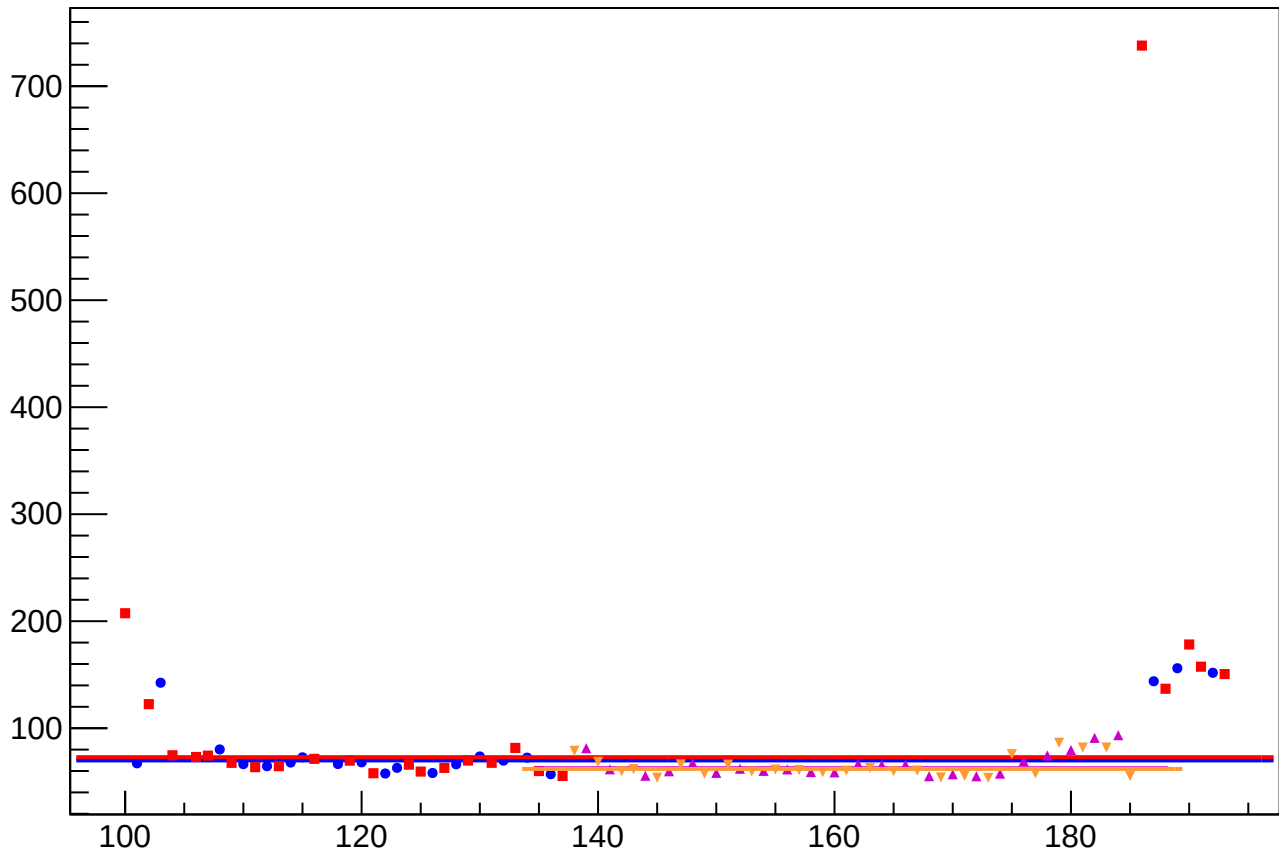
Left In: -56.403+/-15.182 χ^2/NDF : 27.5/22

+ sign 40.242+/-12.718 χ^2/NDF : 48.9/44

All: -6.606+/-9.099 χ^2/NDF : 124.1/91

- sign -55.732+/-13.023 χ^2/NDF : 47.4/46

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 69.901+/-0.018 χ^2/NDF : 1341424.5/19

Left Out: 61.946+/-0.010 χ^2/NDF : 604989.2/24

Right Out: 72.918+/-0.018 χ^2/NDF : 2234788.5/23

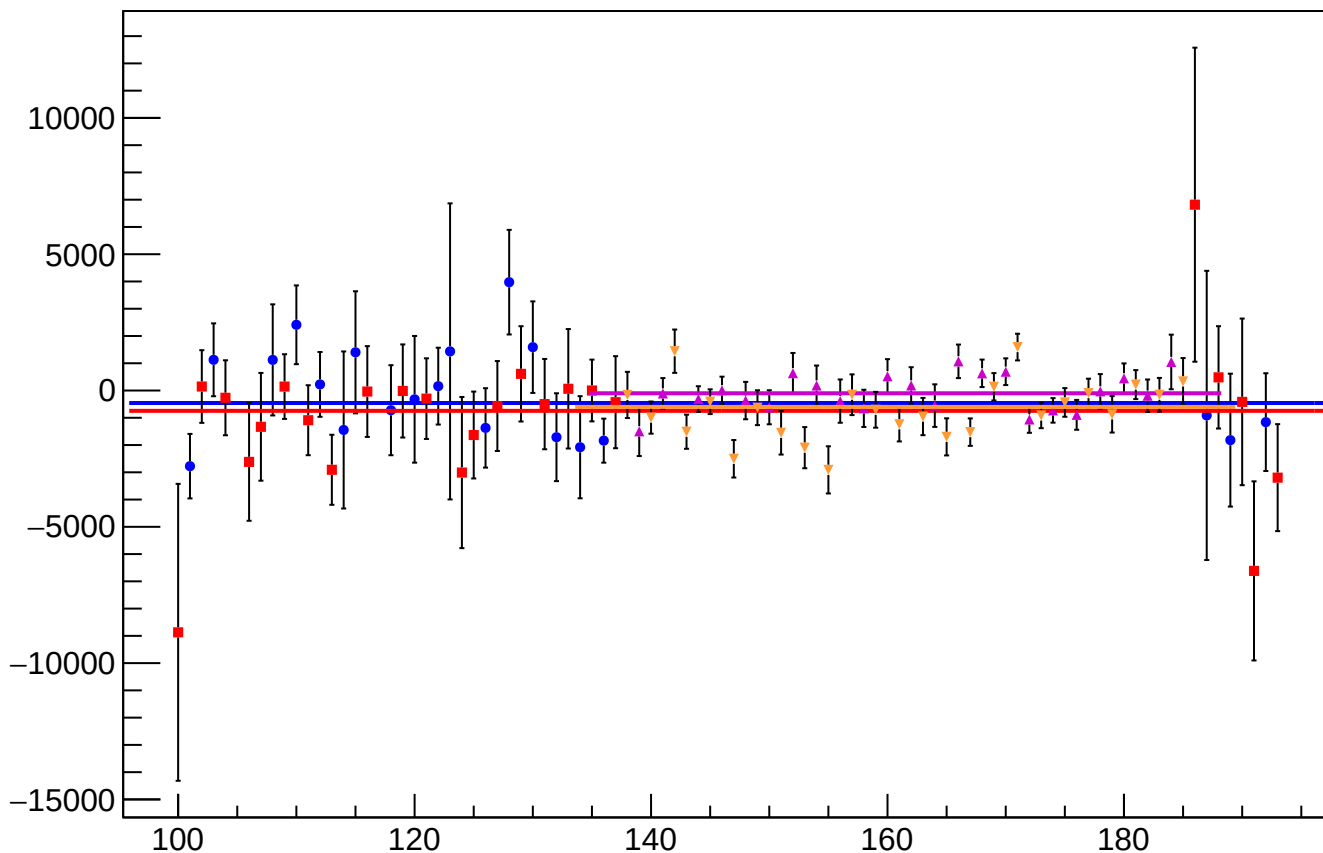
Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

+ sign 63.878+/-0.009 χ^2/NDF : 2090257.6/44

All: 64.587+/-0.006 χ^2/NDF : 5156977.0/91

- sign 65.331+/-0.009 χ^2/NDF : 3053980.0/46

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -458.245 $\pm$ 355.164 χ^2 /NDF: 23.2/19

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF: 65.4/24

Right Out: -745.264 $\pm$ 345.537 χ^2 /NDF: 16.7/23

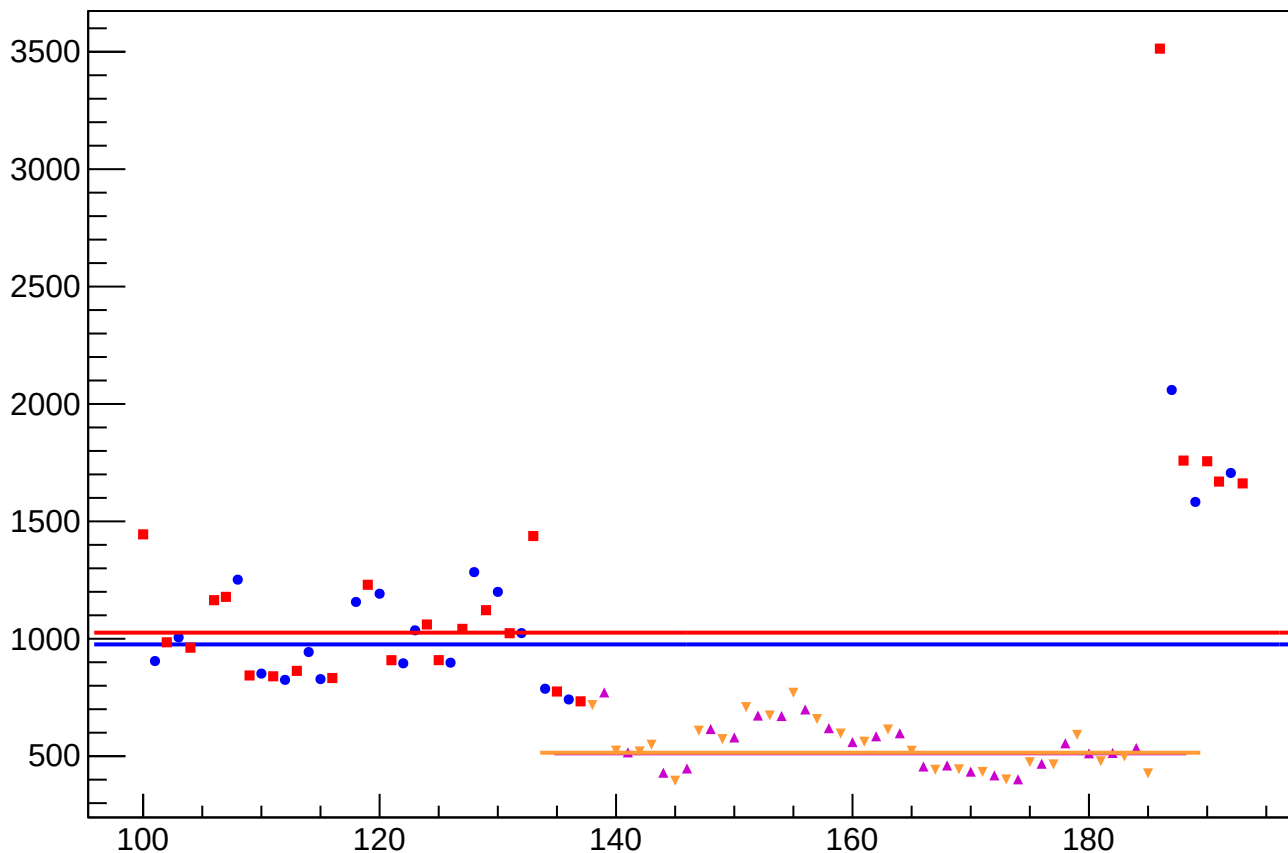
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF: 25.5/22

+ sign -586.342 $\pm$ 115.483 χ^2 /NDF: 88.8/44

All: -383.844 $\pm$ 82.299 χ^2 /NDF: 140.2/91

- sign -174.866 $\pm$ 117.316 χ^2 /NDF: 45.2/46

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 975.973+/-0.251 χ^2/NDF : 971668.0/19

Left Out: 514.758+/-0.086 χ^2/NDF : 1194945.9/24

Right Out: 1026.058+/-0.244 χ^2/NDF : 1551900.2/23

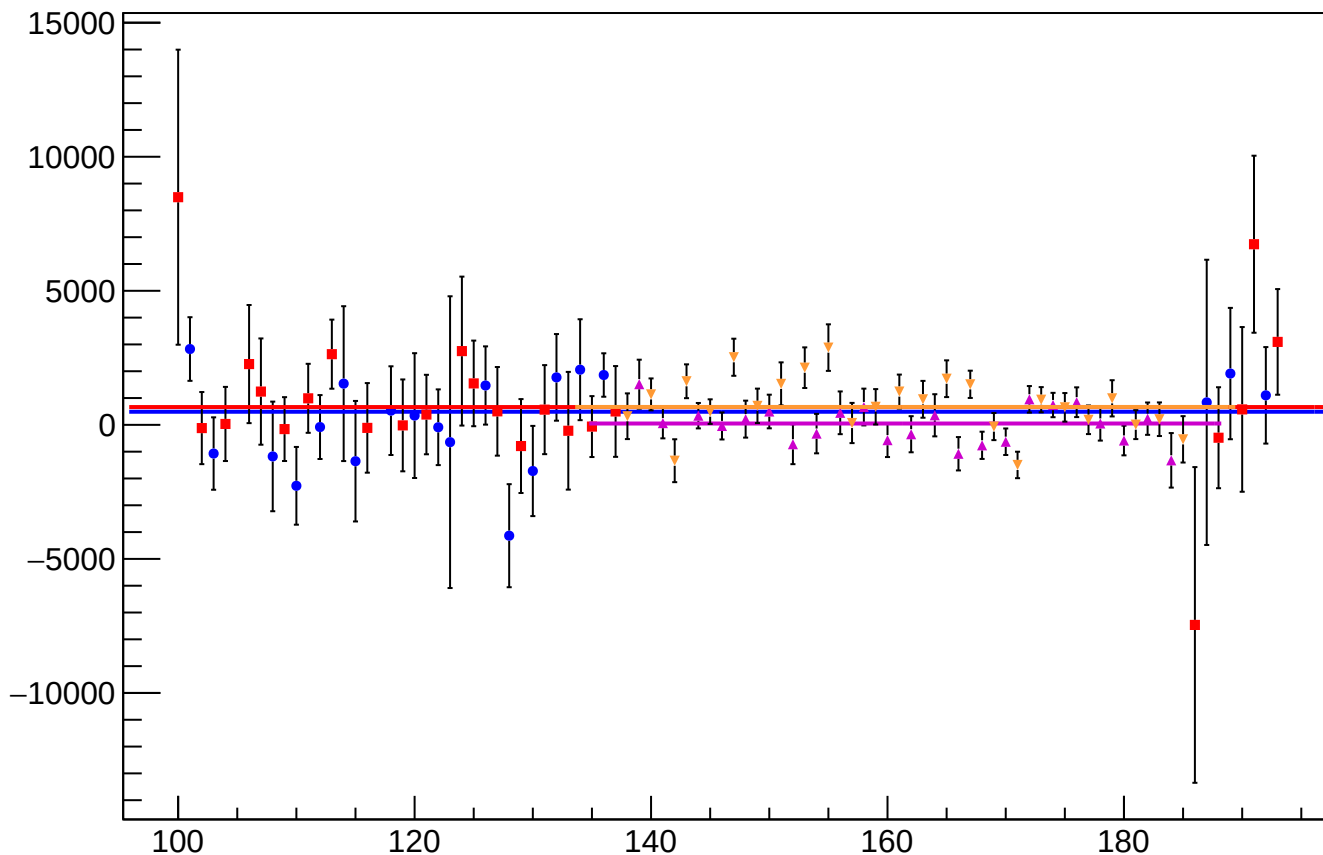
Left In: 512.199+/-0.088 χ^2/NDF : 1041302.8/22

+ sign 563.520+/-0.082 χ^2/NDF : 5182746.4/44

All: 567.414+/-0.058 χ^2/NDF : 11693815.7/91

- sign 571.433+/-0.083 χ^2/NDF : 6506447.9/46

asym_sam_12345678_avg_mean vs Slug



Right In: 488.918+/-356.397 χ^2/NDF : 23.4/19

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 663.926+/-346.944 χ^2/NDF : 15.8/23

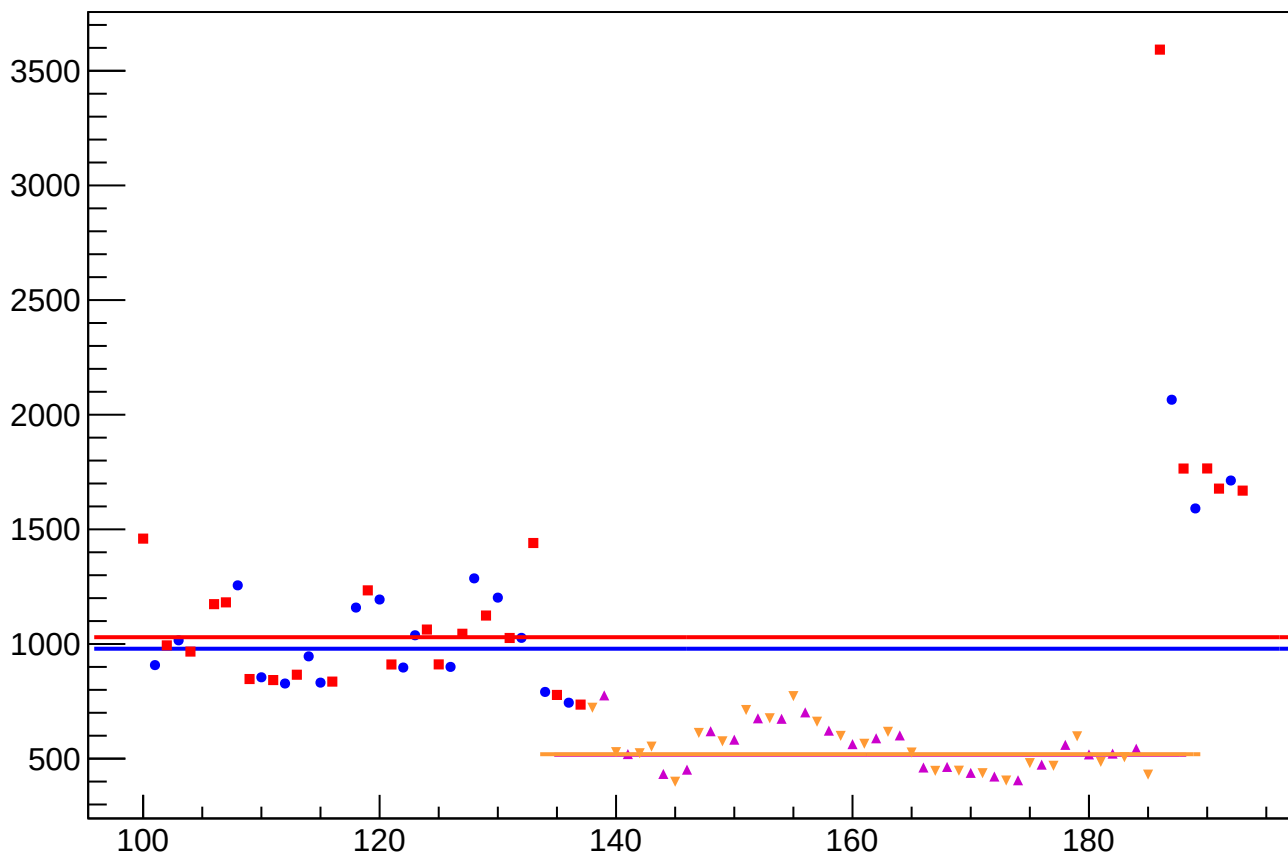
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 648.564+/-116.393 χ^2/NDF : 85.1/44

All: 389.202+/-82.958 χ^2/NDF : 139.9/91

- sign 121.411+/-118.270 χ^2/NDF : 44.7/46

asym_sam_12345678_avg_rms vs Slug



Right In: 979.371+/-0.252 χ^2/NDF : 971885.0/19

Left Out: 519.254+/-0.087 χ^2/NDF :1172411.1/24

Right Out: 1029.642+/-0.245 χ^2/NDF : 1559817.6/23

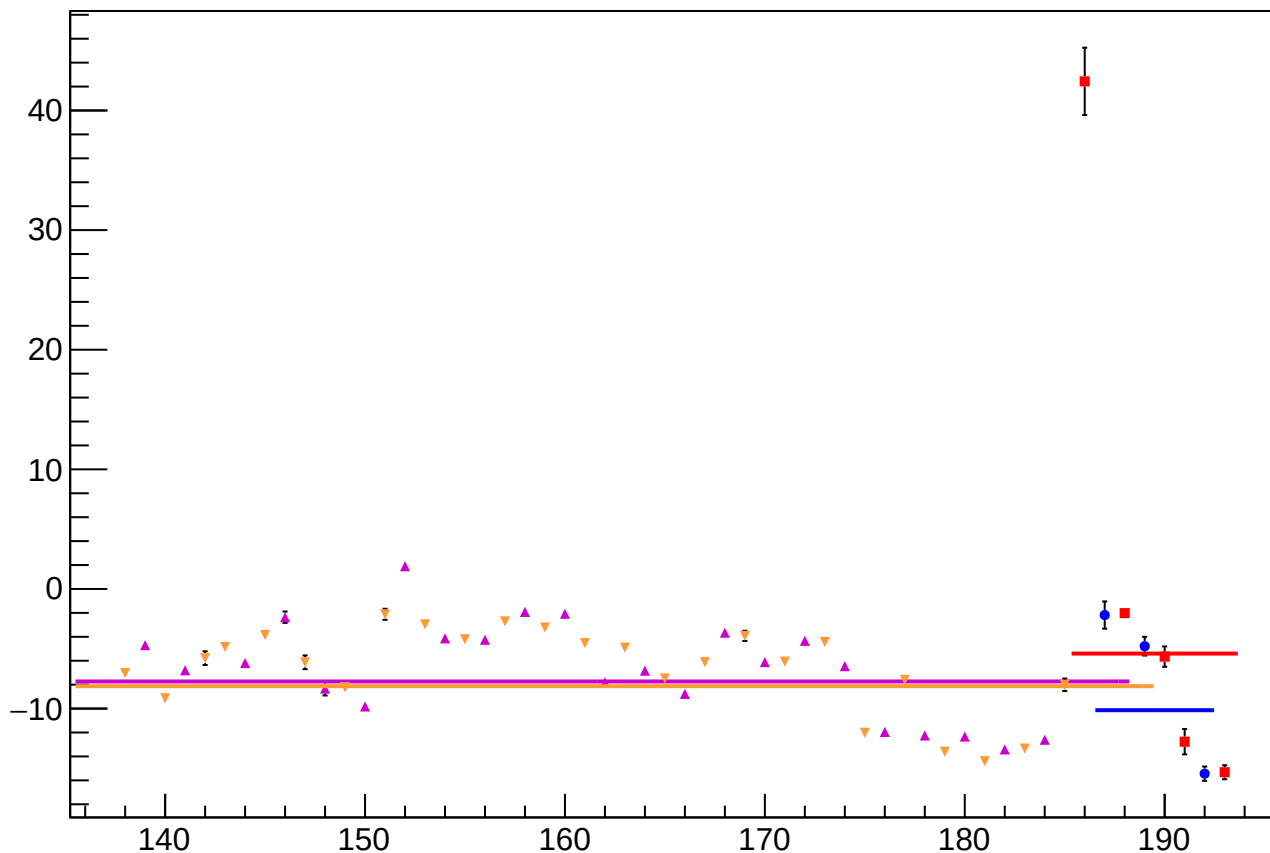
Left In: 516.792+/-0.089 χ^2/NDF :1021374.1/22

+ sign 568.329+/-0.082 χ^2/NDF : 5122251.9/44

All: 572.294+/-0.059 χ^2/NDF : 11570434.5/93

- sign 576.388+/-0.084 χ^2/NDF : 6443464.7/46

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -10.135 ± 0.438 χ^2/NDF : 174.9/2

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -5.402 ± 0.265 χ^2/NDF : 726.3/4

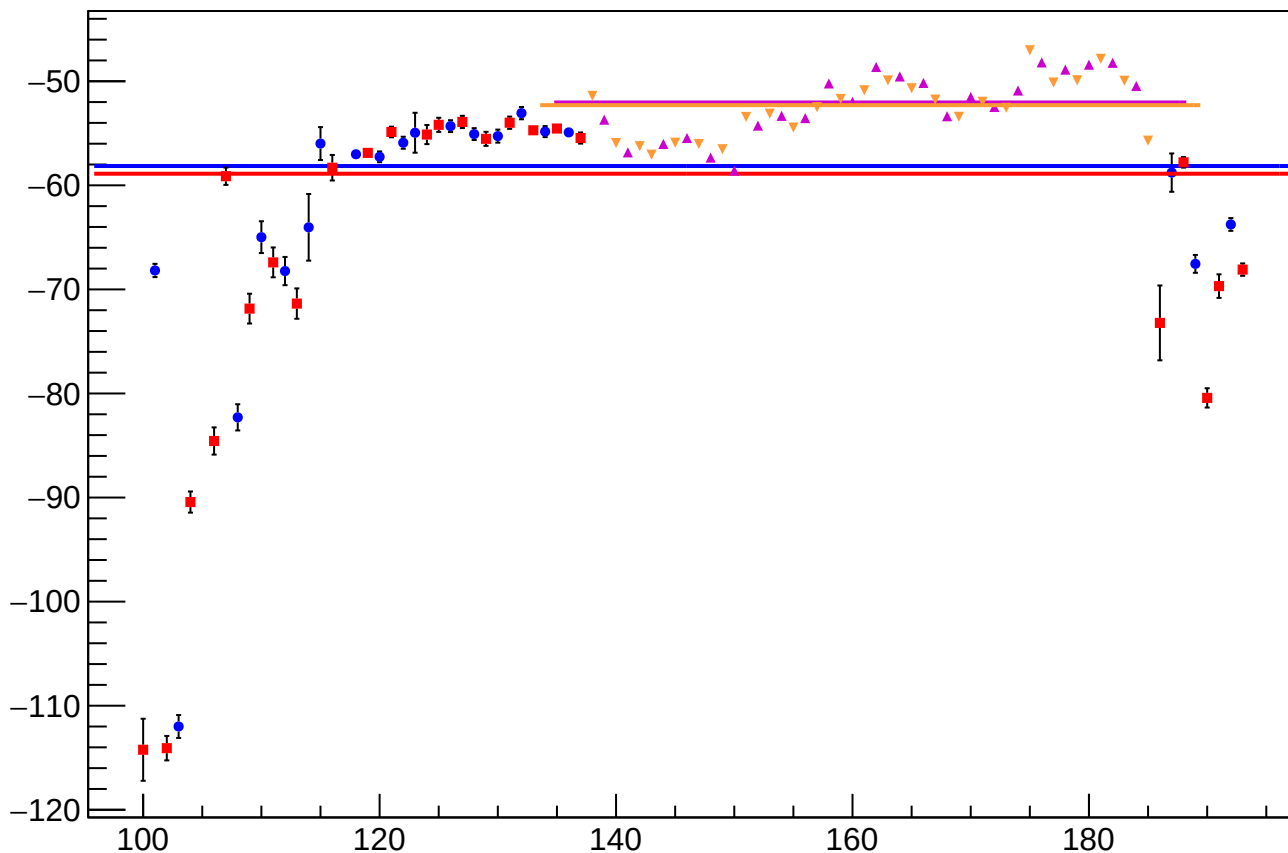
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.174 ± 0.067 χ^2/NDF : 3831.0/27

All: -7.880 ± 0.047 χ^2/NDF : 8387.6/55

- sign -7.585 ± 0.067 χ^2/NDF : 4517.5/27

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.146 ± 0.137 χ^2/NDF : 3678.0/19

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -58.885 ± 0.132 χ^2/NDF : 5658.8/23

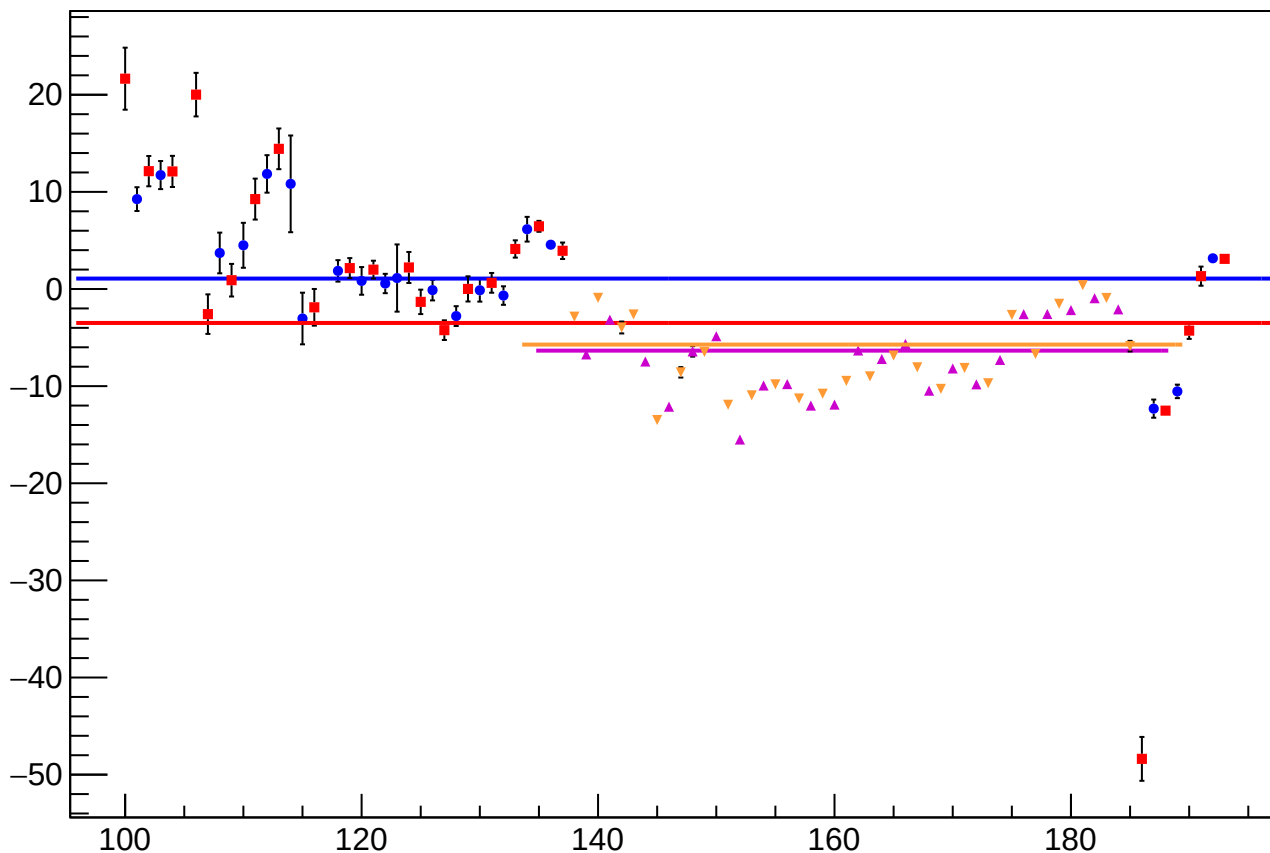
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.108 ± 0.051 χ^2/NDF : 7899.7/44

All: -53.115 ± 0.037 χ^2/NDF : 19011.4/91

- sign -53.122 ± 0.052 χ^2/NDF : 11111.7/46

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 1.075 ± 0.214 χ^2/NDF : 752.7/19

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -3.494 ± 0.172 χ^2/NDF : 2739.5/23

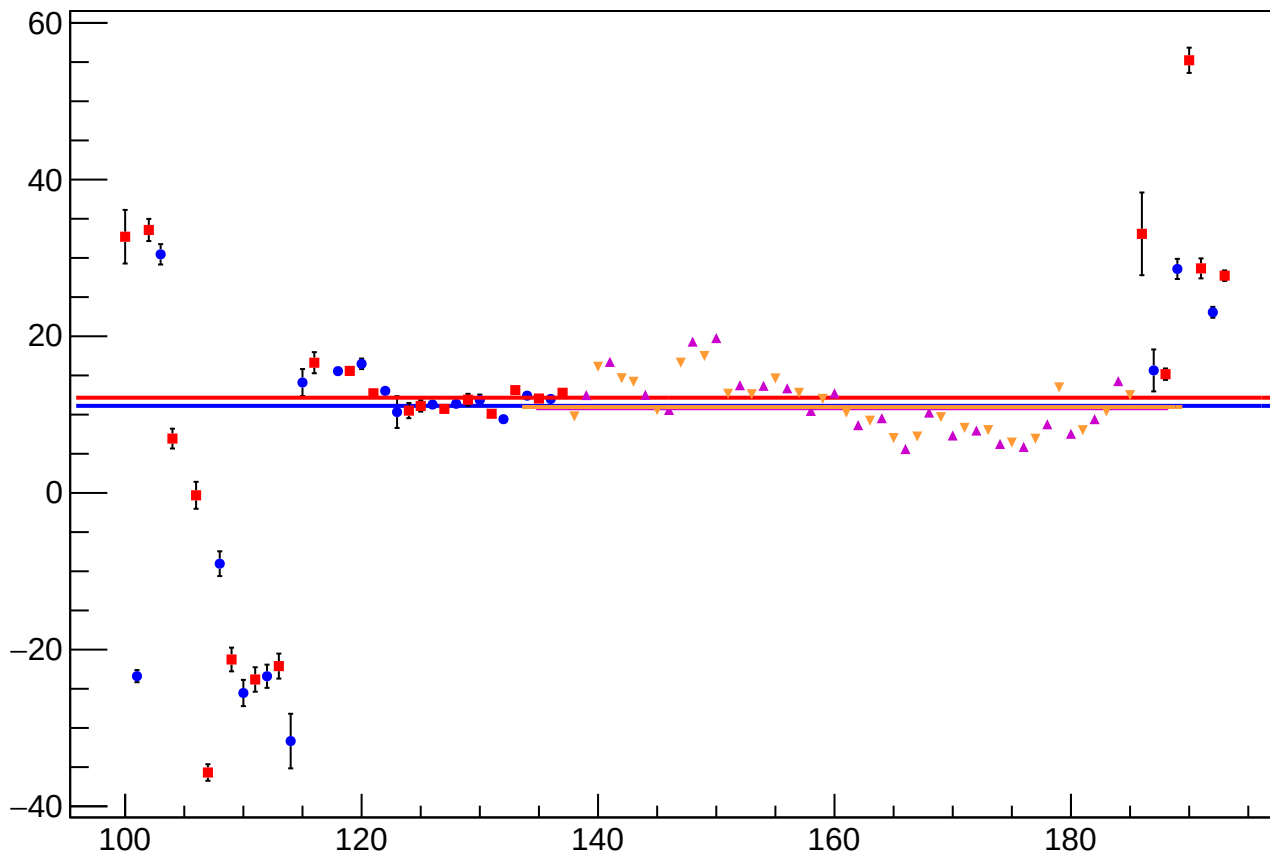
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -5.106 ± 0.064 χ^2/NDF : 5651.8/44

All: -5.534 ± 0.045 χ^2/NDF : 12099.3/91

- sign -5.952 ± 0.064 χ^2/NDF : 6360.5/46

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 11.116 $\pm$ 0.153 χ^2 /NDF: 4197.1/19

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 12.159 $\pm$ 0.151 χ^2 /NDF: 5395.8/23

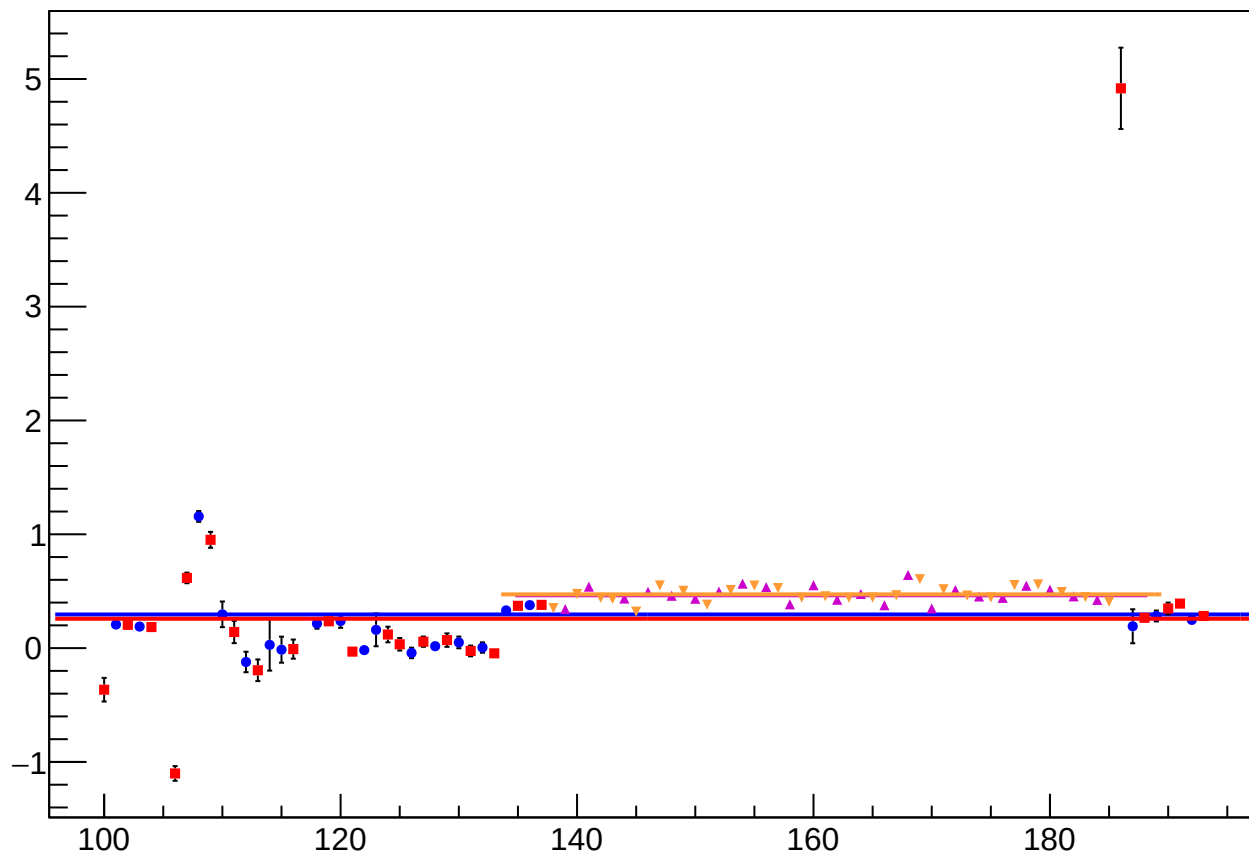
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 10.988 $\pm$ 0.057 χ^2 /NDF: 6835.6/44

All: 11.001 $\pm$ 0.041 χ^2 /NDF: 15846.2/91

- sign 11.014 $\pm$ 0.058 χ^2 /NDF: 9010.5/46

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.296 ± 0.008 χ^2/NDF : 653.3/19

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.258 ± 0.007 χ^2/NDF : 1176.6/23

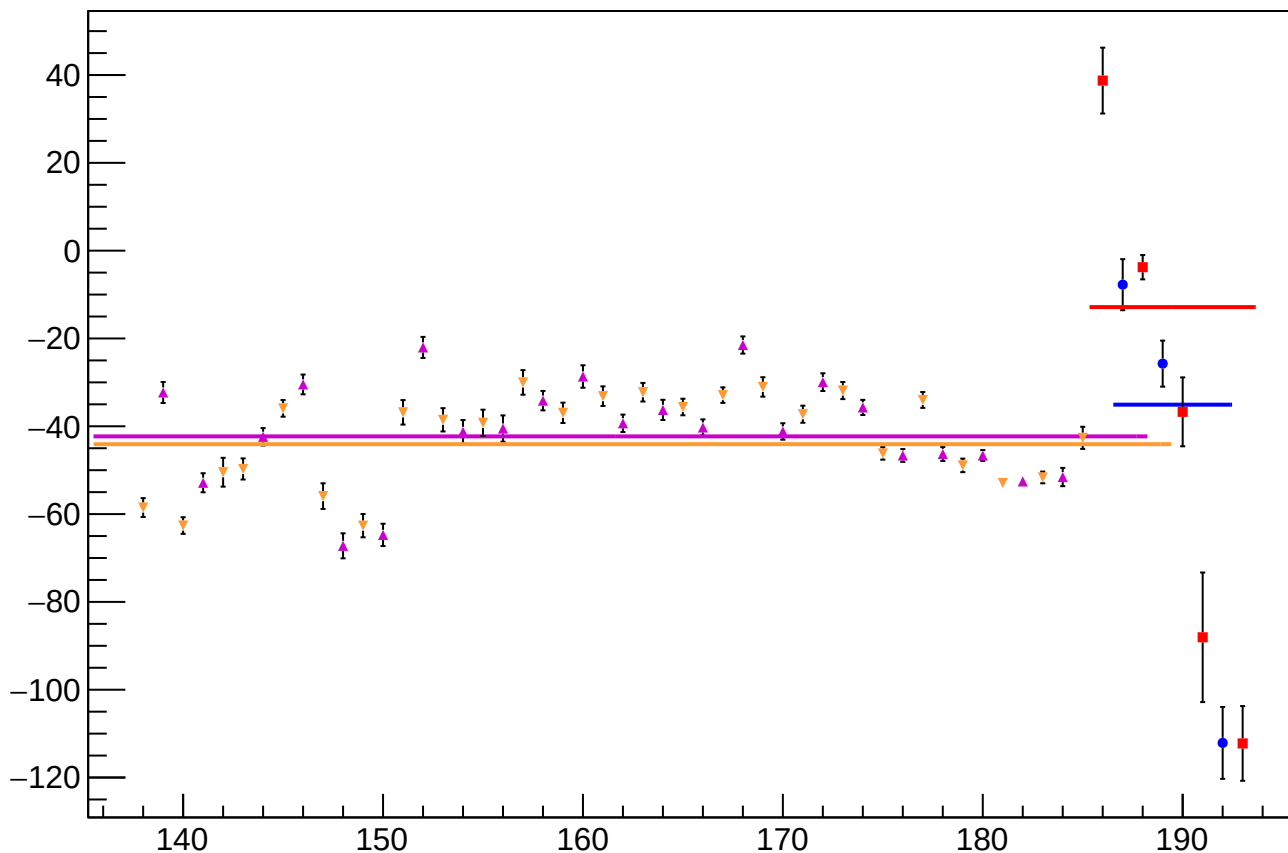
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.452 ± 0.003 χ^2/NDF : 1650.4/44

All: 0.445 ± 0.002 χ^2/NDF : 4249.5/91

- sign 0.439 ± 0.003 χ^2/NDF : 2587.0/46

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -35.080 ± 3.517 χ^2/NDF : 113.7/2

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -12.858 ± 2.336 χ^2/NDF : 229.8/4

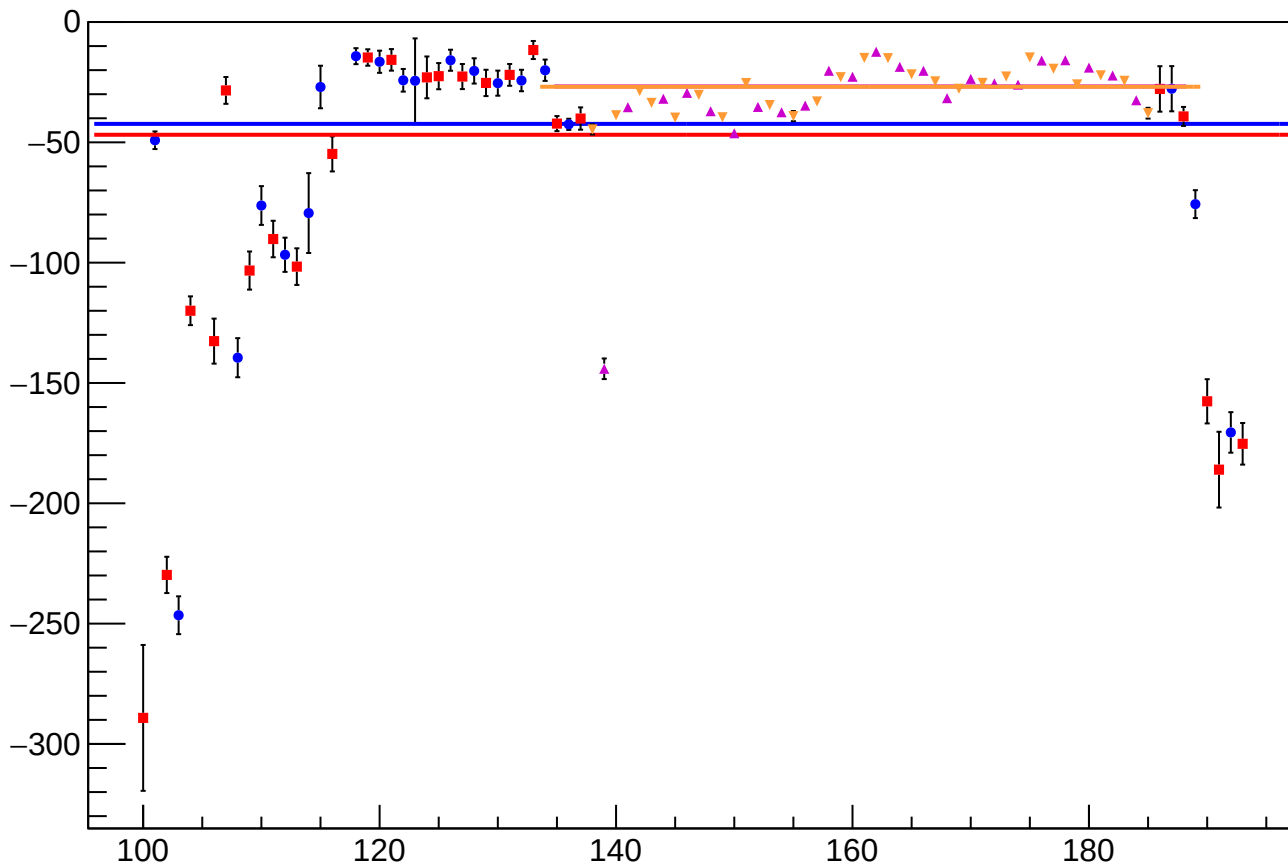
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.969 ± 0.386 χ^2/NDF : 752.7/27

All: -42.742 ± 0.276 χ^2/NDF : 1798.0/55

- sign -41.469 ± 0.393 χ^2/NDF : 1024.7/27

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -42.333 ± 1.110 $\chi^2/\text{NDF}: 1398.2/19$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -46.858 ± 1.128 $\chi^2/\text{NDF}: 1809.9/23$

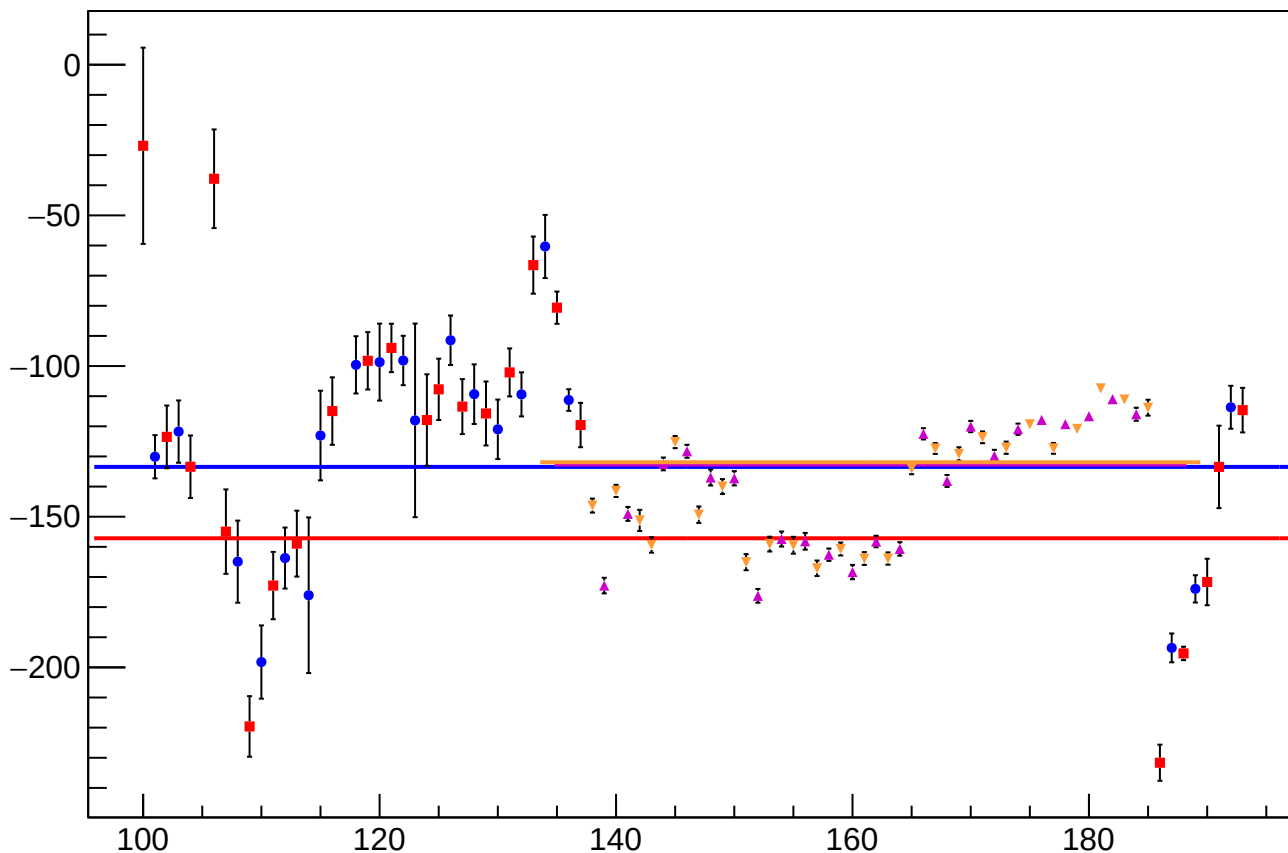
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.061 ± 0.304 $\chi^2/\text{NDF}: 2208.0/44$

All: -28.189 ± 0.218 $\chi^2/\text{NDF}: 5705.3/91$

- sign -28.324 ± 0.313 $\chi^2/\text{NDF}: 3496.9/46$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -133.471 ± 1.708 $\chi^2/\text{NDF}: 463.4/19$

Left Out: -131.912 ± 0.391 $\chi^2/\text{NDF}: 2439.3/24$

Right Out: -157.158 ± 1.453 $\chi^2/\text{NDF}: 1165.6/23$

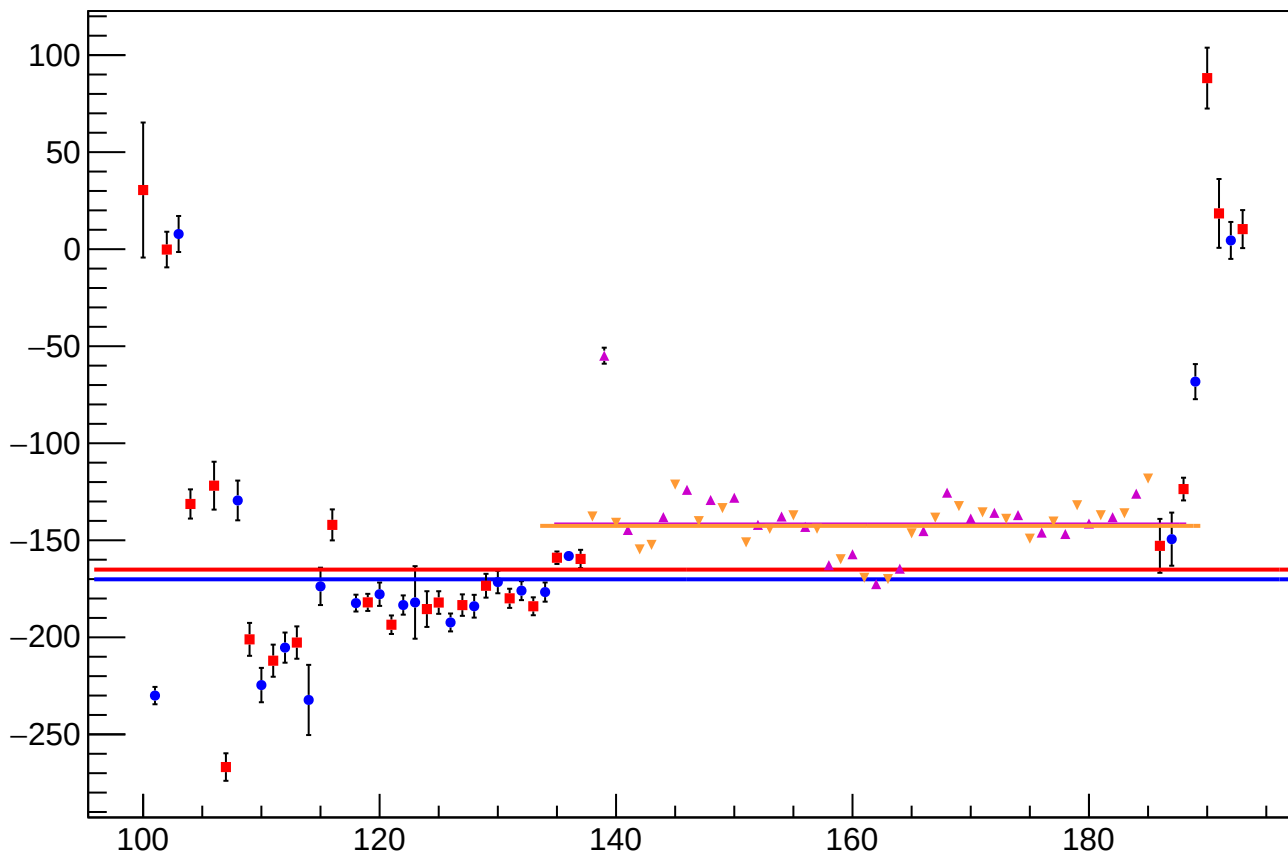
Left In: -132.690 ± 0.399 $\chi^2/\text{NDF}: 2480.2/22$

+ sign -131.990 ± 0.382 $\chi^2/\text{NDF}: 2903.5/44$

All: -133.188 ± 0.271 $\chi^2/\text{NDF}: 6832.9/91$

- sign -134.409 ± 0.385 $\chi^2/\text{NDF}: 3909.5/46$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -170.110 ± 1.250 $\chi^2/\text{NDF}: 1174.1/19$

Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$

Right Out: -165.099 ± 1.298 $\chi^2/\text{NDF}: 1518.8/23$

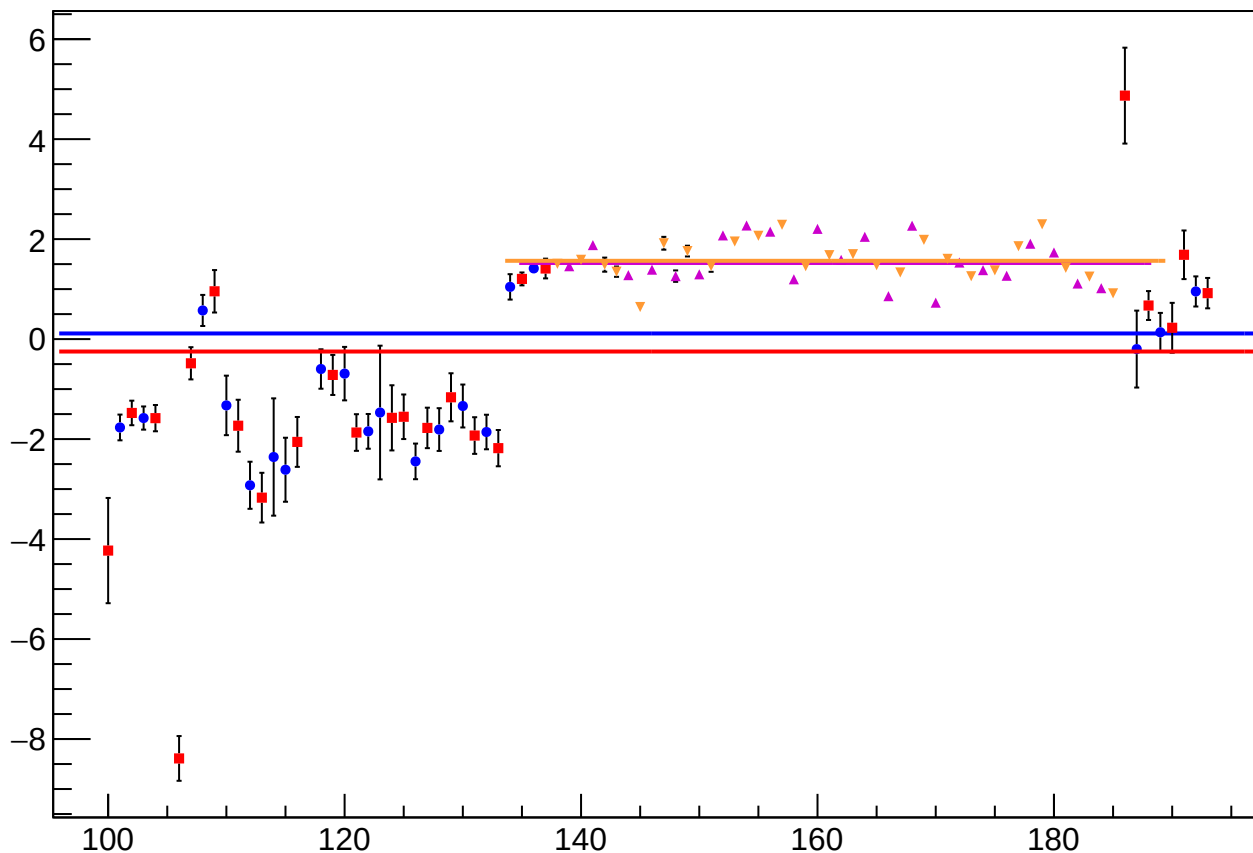
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -144.610 ± 0.341 $\chi^2/\text{NDF}: 2771.5/44$

All: -144.094 ± 0.244 $\chi^2/\text{NDF}: 6136.7/91$

- sign -143.549 ± 0.350 $\chi^2/\text{NDF}: 3360.5/46$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.113 ± 0.064 χ^2/NDF : 533.5/19

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.248 ± 0.066 χ^2/NDF : 828.7/23

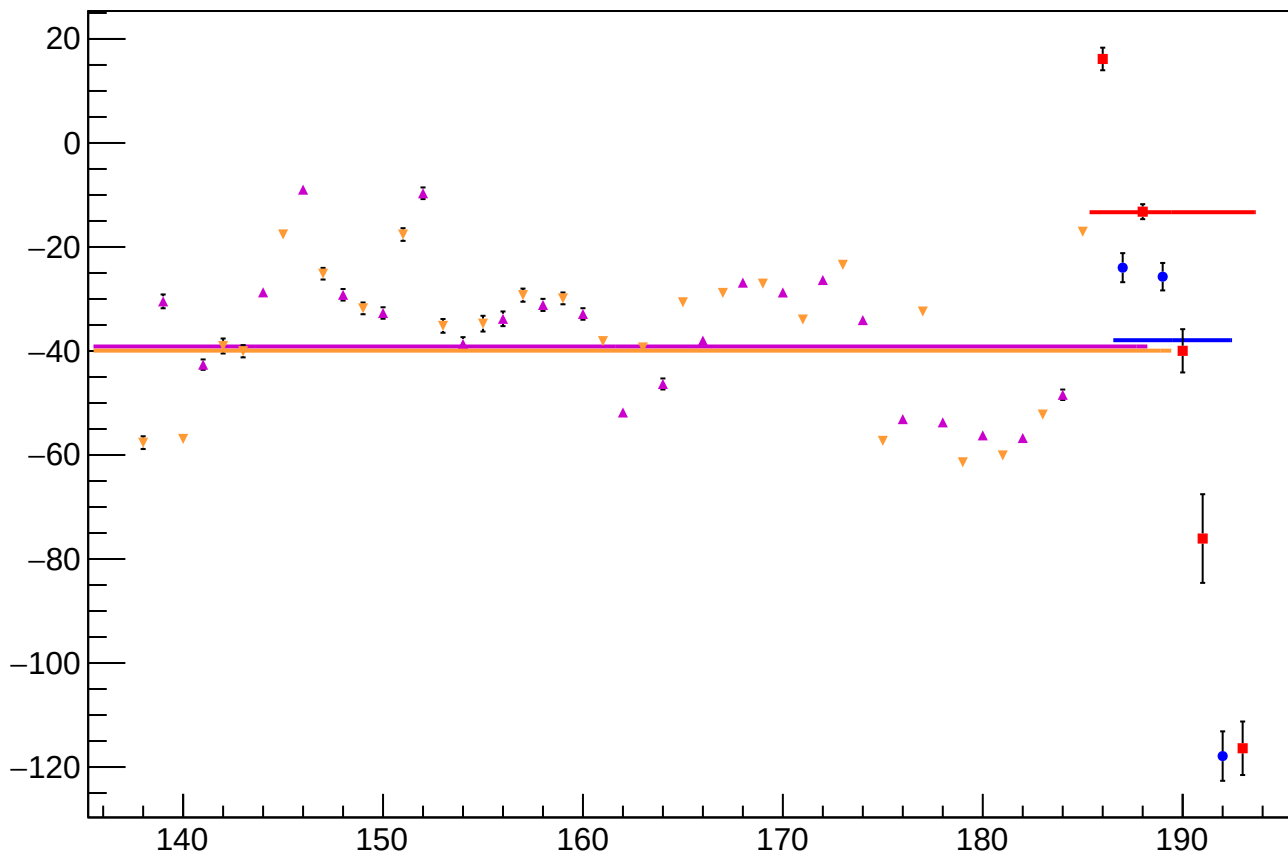
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.480 ± 0.016 χ^2/NDF : 1554.9/44

All: 1.450 ± 0.011 χ^2/NDF : 3803.8/91

- sign 1.419 ± 0.016 χ^2/NDF : 2241.6/46

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -37.927 $\pm$ 1.779 χ^2/NDF : 329.3/2

Left Out: -39.935 $\pm$ 0.153 χ^2/NDF : 9806.5/24

Right Out: -13.315 $\pm$ 1.115 χ^2/NDF : 680.4/4

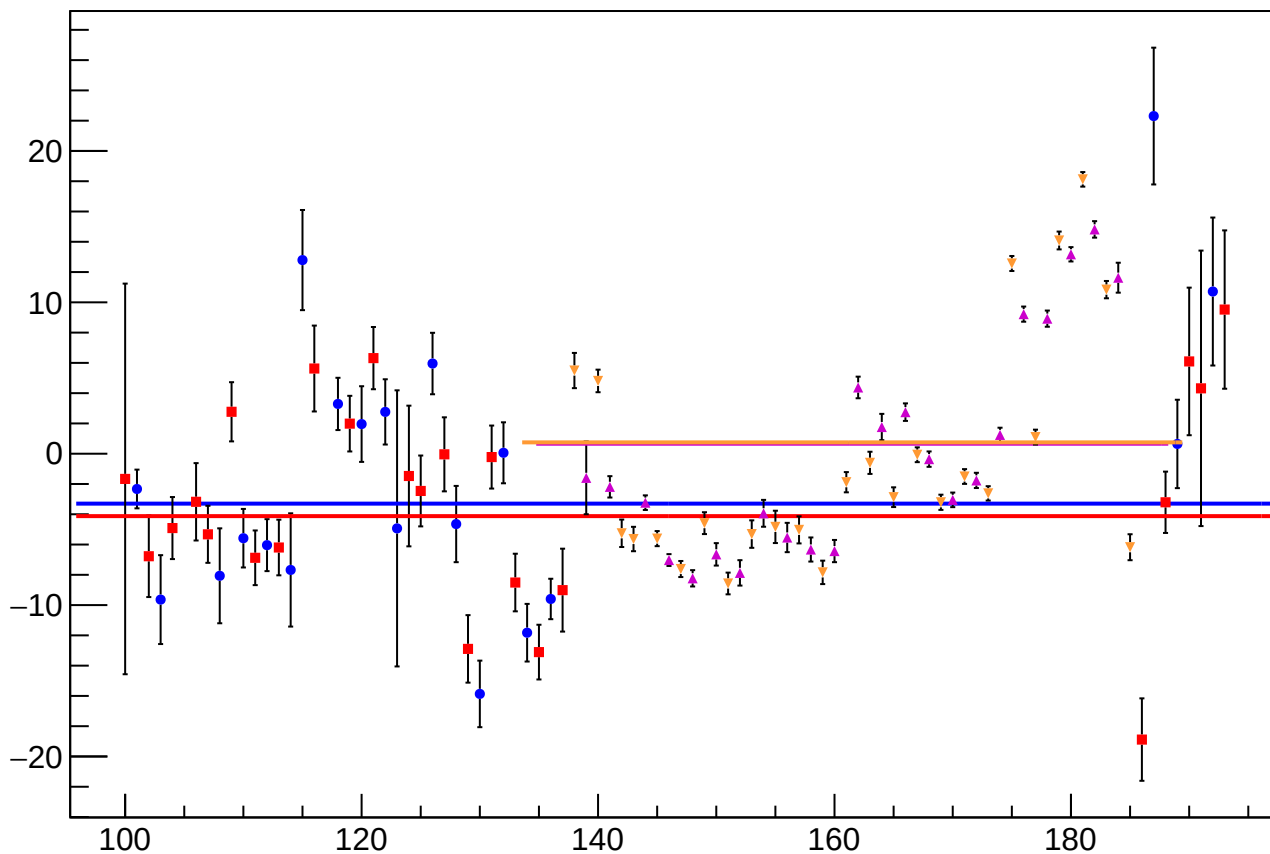
Left In: -39.137 $\pm$ 0.155 χ^2/NDF : 8534.5/22

+ sign -39.920 $\pm$ 0.153 χ^2/NDF : 10137.1/27

All: -39.287 $\pm$ 0.108 χ^2/NDF : 19912.3/55

- sign -38.650 $\pm$ 0.153 χ^2/NDF : 9740.7/27

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.297 ± 0.487 $\chi^2/\text{NDF}: 204.4/19$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -4.123 ± 0.479 $\chi^2/\text{NDF}: 163.8/23$

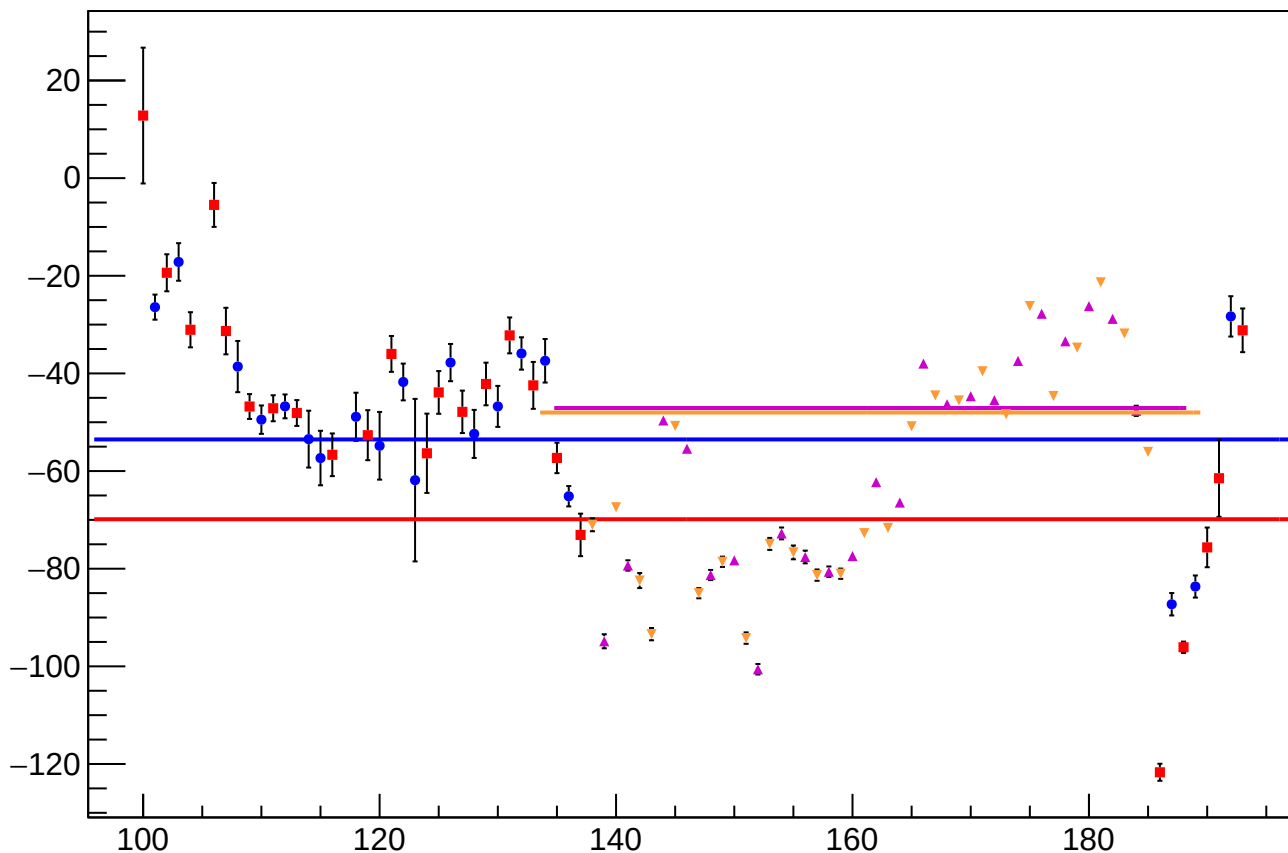
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.502 ± 0.120 $\chi^2/\text{NDF}: 4240.2/44$

All: 0.430 ± 0.085 $\chi^2/\text{NDF}: 7835.8/91$

- sign 0.359 ± 0.120 $\chi^2/\text{NDF}: 3594.9/46$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -53.522 ± 0.762 χ^2/NDF : 752.0/19

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -69.865 ± 0.633 χ^2/NDF : 2656.7/23

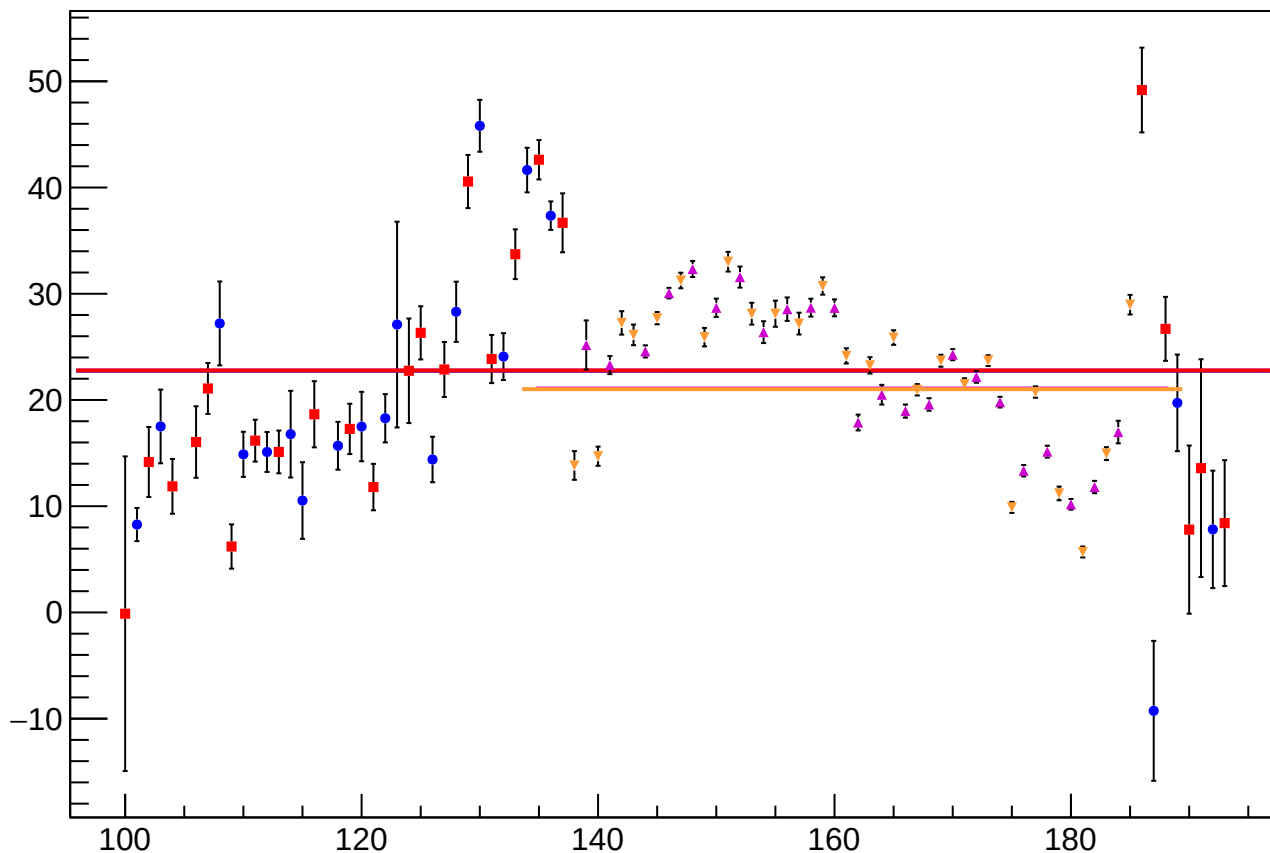
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.226 ± 0.152 χ^2/NDF : 17752.3/44

All: -48.302 ± 0.107 χ^2/NDF : 37144.5/91

- sign -48.377 ± 0.151 χ^2/NDF : 19391.7/46

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.755 $\pm$ 0.551 χ^2 /NDF: 488.9/19

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 22.783 $\pm$ 0.553 χ^2 /NDF: 422.7/23

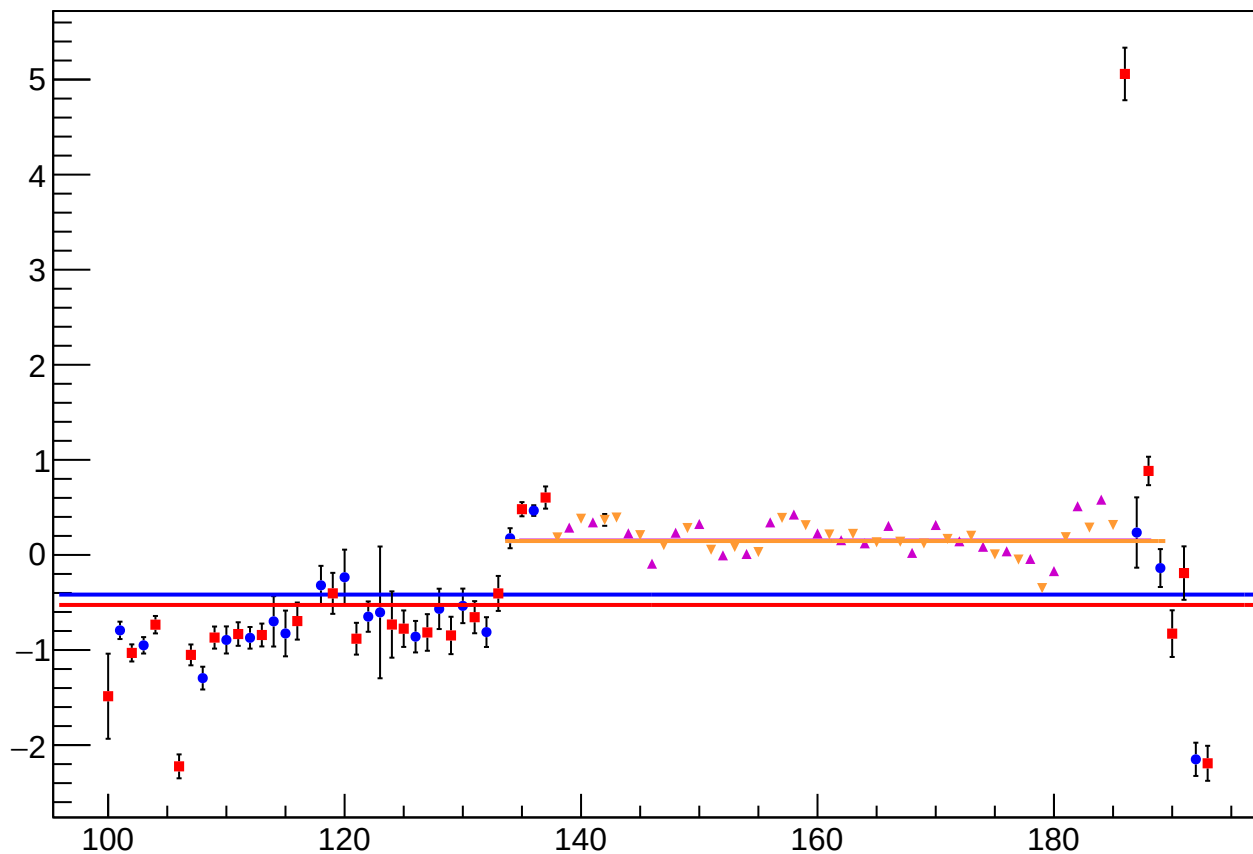
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.123 $\pm$ 0.135 χ^2 /NDF: 3297.5/44

All: 21.152 $\pm$ 0.095 χ^2 /NDF: 5902.4/91

- sign 21.181 $\pm$ 0.135 χ^2 /NDF: 2604.8/46

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.417 ± 0.029 χ^2/NDF : 542.7/19

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.526 ± 0.029 χ^2/NDF : 1139.9/23

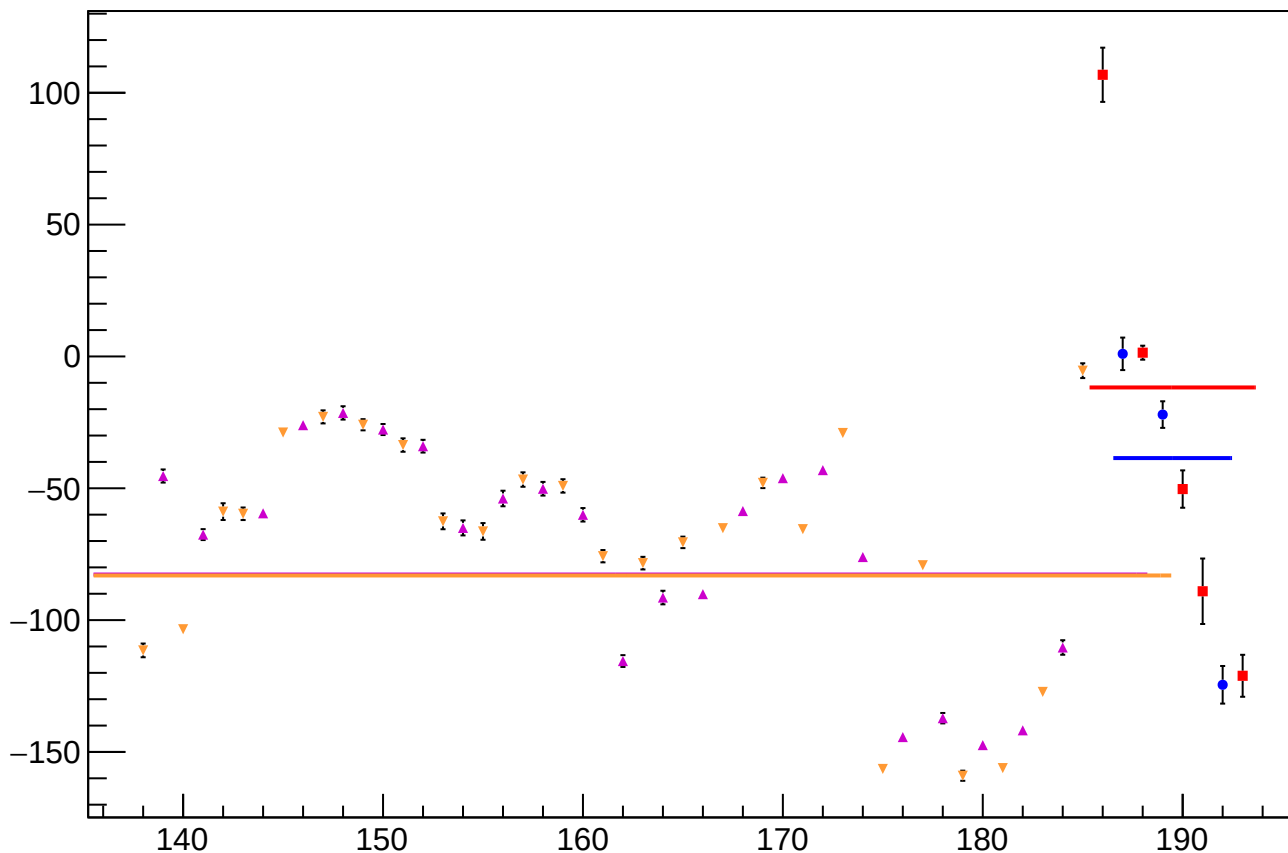
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.121 ± 0.006 χ^2/NDF : 1506.0/44

All: 0.120 ± 0.004 χ^2/NDF : 4044.0/91

- sign 0.119 ± 0.006 χ^2/NDF : 2538.0/46

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -38.546 ± 3.424 χ^2/NDF : 197.1/2

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -11.759 ± 2.272 χ^2/NDF : 414.9/4

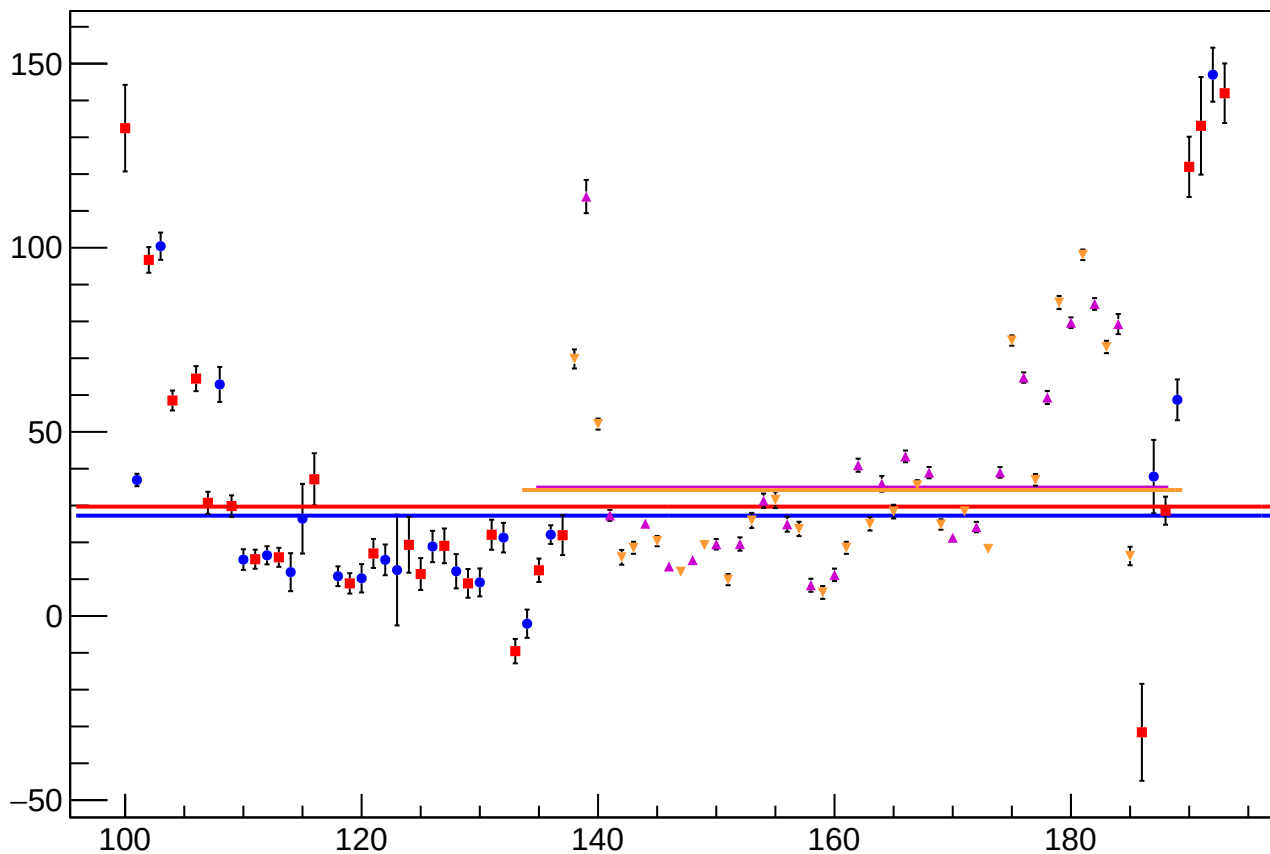
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.450 ± 0.404 χ^2/NDF : 14181.2/27

All: -81.446 ± 0.287 χ^2/NDF : 26393.7/55

- sign -80.419 ± 0.408 χ^2/NDF : 12200.0/27

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 27.254 $\pm$ 0.792 χ^2 /NDF: 993.9/19

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF: 6192.6/24

Right Out: 29.704 $\pm$ 0.783 χ^2 /NDF: 1422.8/23

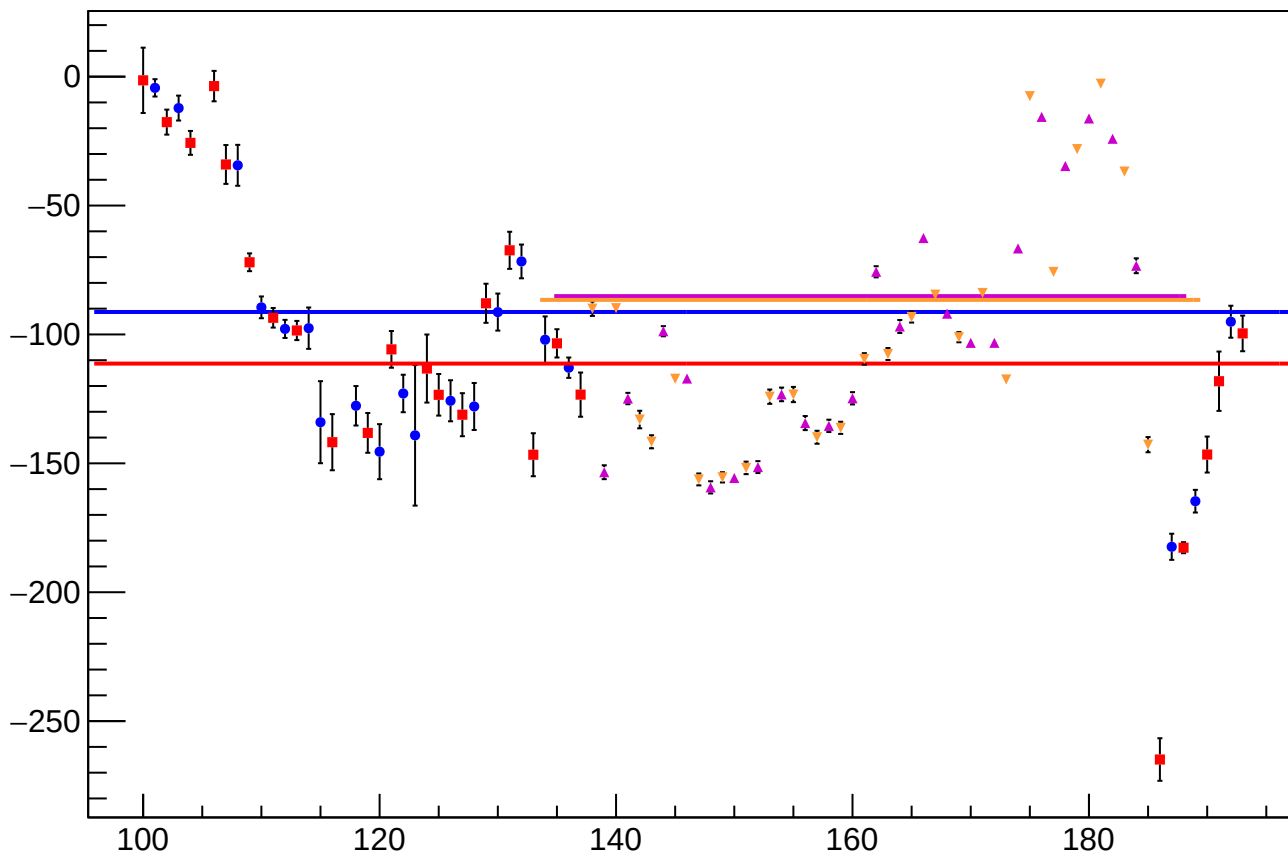
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF: 4716.1/22

+ sign 33.240 $\pm$ 0.297 χ^2 /NDF: 7252.9/44

All: 33.657 $\pm$ 0.212 χ^2 /NDF: 13432.9/91

- sign 34.093 $\pm$ 0.303 χ^2 /NDF: 6175.9/46

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -91.285 ± 1.277 $\chi^2/\text{NDF}: 1744.5/19$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -111.306 ± 1.100 $\chi^2/\text{NDF}: 2971.8/23$

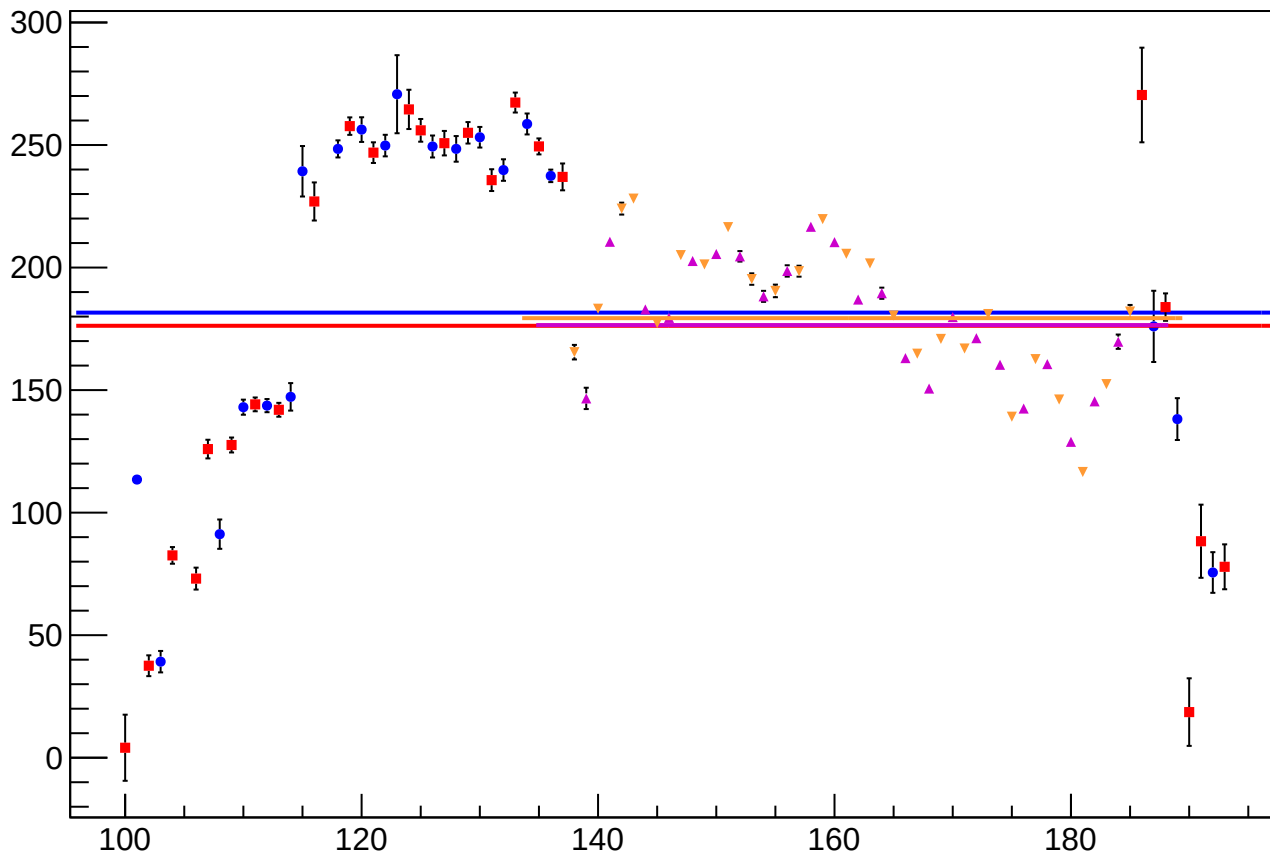
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -87.030 ± 0.389 $\chi^2/\text{NDF}: 16272.4/44$

All: -87.714 ± 0.275 $\chi^2/\text{NDF}: 32587.3/91$

- sign -88.396 ± 0.388 $\chi^2/\text{NDF}: 16308.7/46$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 181.616 $\pm$ 0.908 χ^2 /NDF: 5511.7/19

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 176.243 $\pm$ 0.904 χ^2 /NDF: 6645.9/23

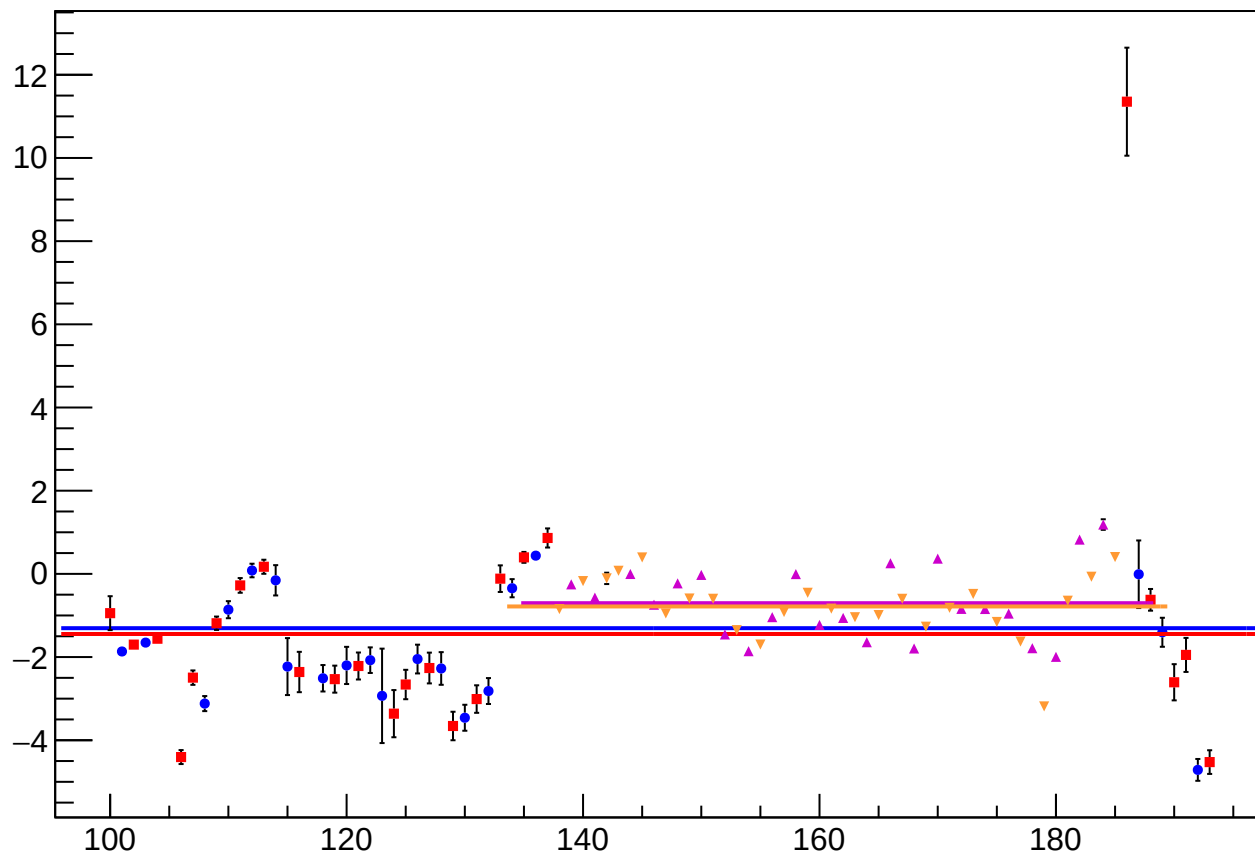
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.669 $\pm$ 0.336 χ^2 /NDF: 11499.2/44

All: 178.112 $\pm$ 0.240 χ^2 /NDF: 22615.0/91

- sign 176.490 $\pm$ 0.343 χ^2 /NDF: 11072.0/46

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.306 ± 0.047 χ^2/NDF : 797.0/19

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.446 ± 0.044 χ^2/NDF : 1153.8/23

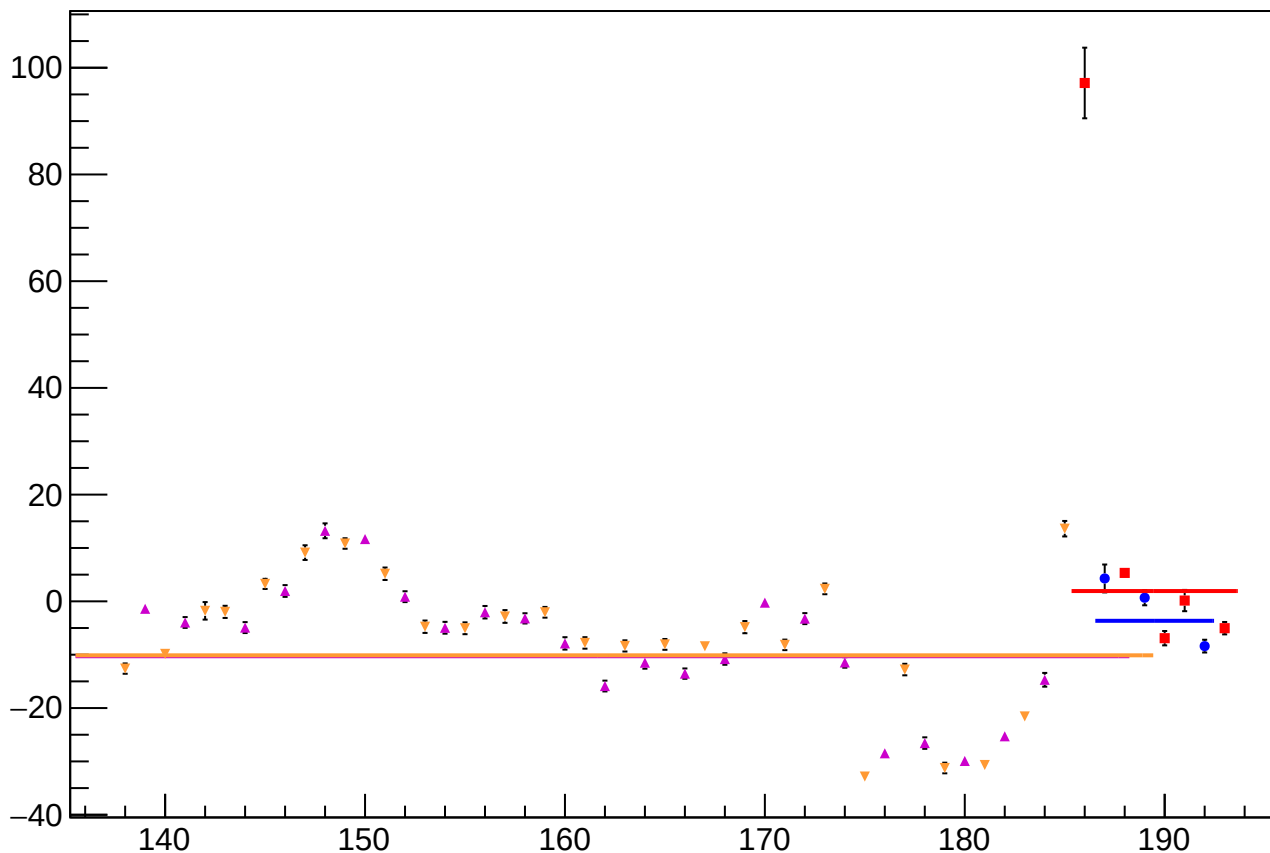
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.842 ± 0.016 χ^2/NDF : 2678.8/44

All: -0.821 ± 0.011 χ^2/NDF : 6489.8/91

- sign -0.800 ± 0.016 χ^2/NDF : 3807.5/46

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -3.649+/-0.863 χ^2/NDF : 34.2/2

Left Out: -10.117+/-0.201 χ^2/NDF : 4138.1/24

Right Out: 1.929+/-0.499 χ^2/NDF : 314.9/4

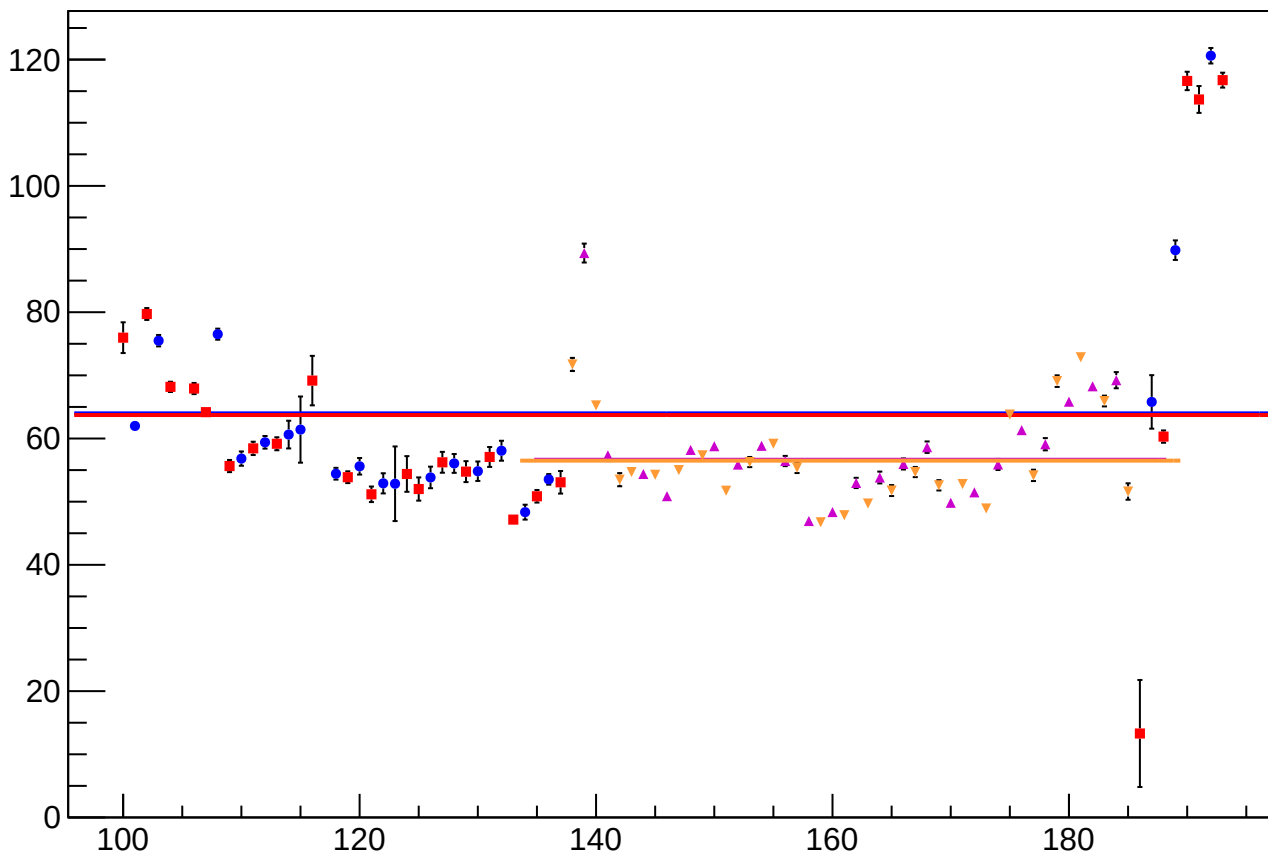
Left In: -10.290+/-0.205 χ^2/NDF : 3451.0/22

+ sign -9.783+/-0.196 χ^2/NDF : 4225.6/27

All: -9.133+/-0.136 χ^2/NDF : 8524.8/55

- sign -8.522+/-0.190 χ^2/NDF : 4277.8/27

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 63.981 $\pm$ 0.254 χ^2 /NDF: 3490.1/19

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 63.720 $\pm$ 0.231 χ^2 /NDF: 5560.0/23

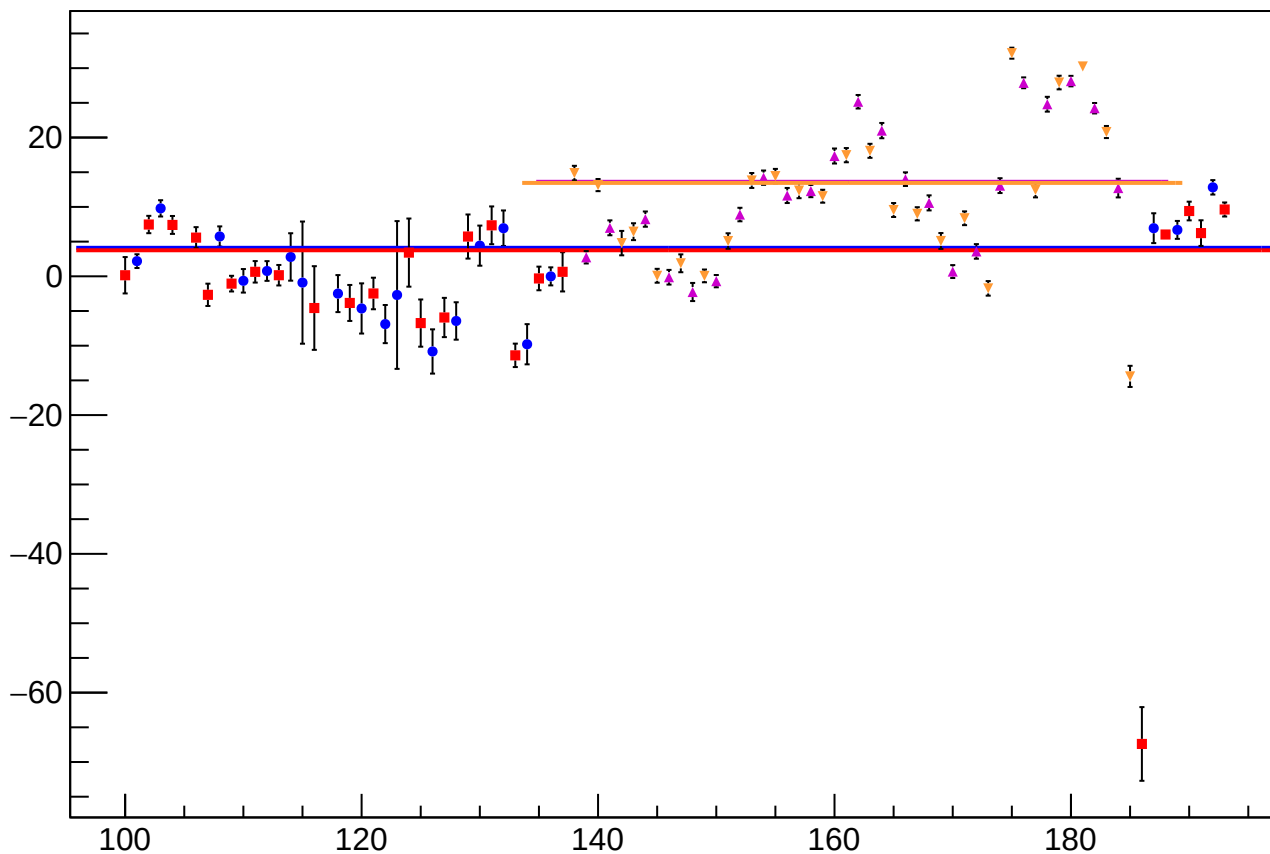
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 58.607 $\pm$ 0.135 χ^2 /NDF: 6083.9/44

All: 58.819 $\pm$ 0.095 χ^2 /NDF: 13879.3/91

- sign 59.031 $\pm$ 0.134 χ^2 /NDF: 7790.5/46

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 4.107 ± 0.393 χ^2/NDF : 218.0/19

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 3.753 ± 0.300 χ^2/NDF : 444.6/23

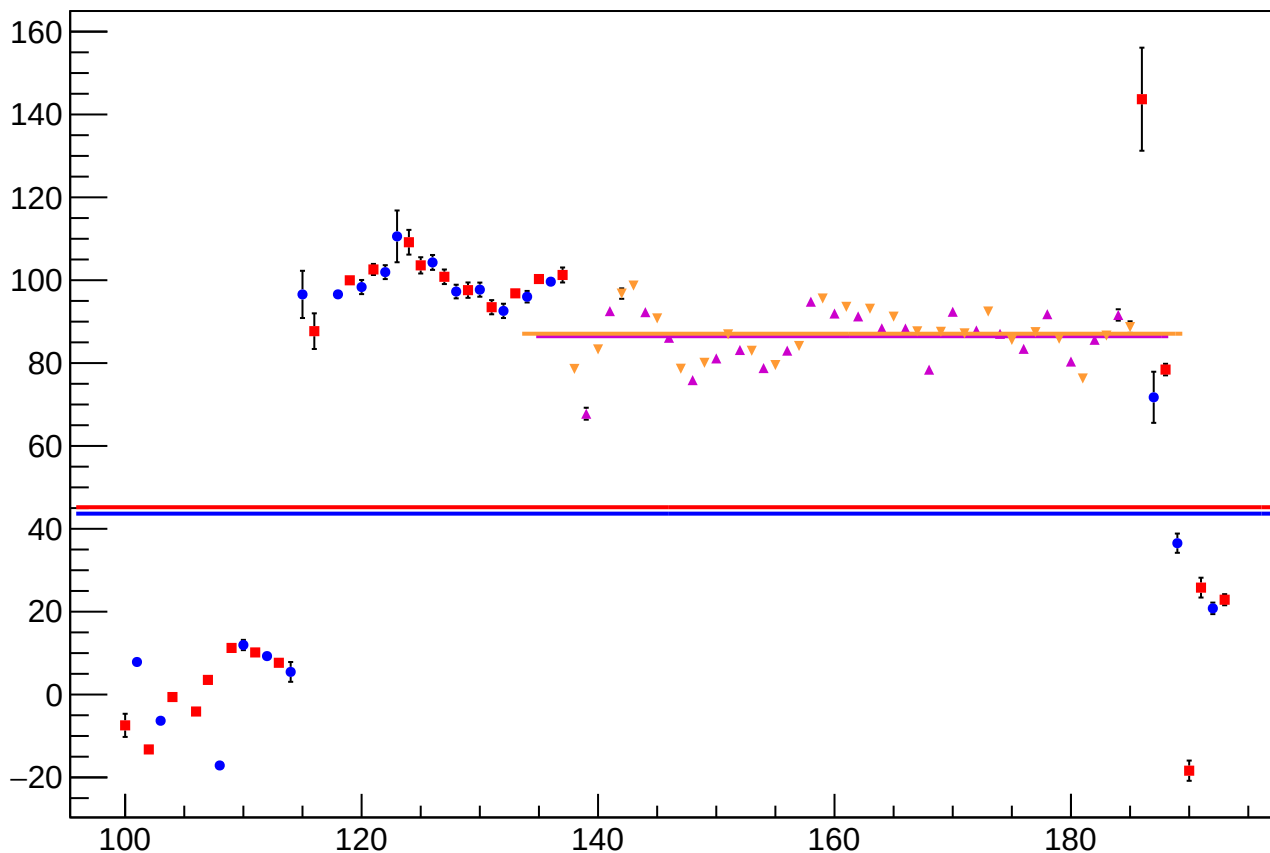
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.514 ± 0.179 χ^2/NDF : 3403.2/44

All: 10.973 ± 0.123 χ^2/NDF : 6918.5/91

- sign 10.493 ± 0.169 χ^2/NDF : 3498.2/46

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.661 $\pm$ 0.295 χ^2 /NDF: 25015.5/19

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 45.210 $\pm$ 0.274 χ^2 /NDF: 29873.2/23

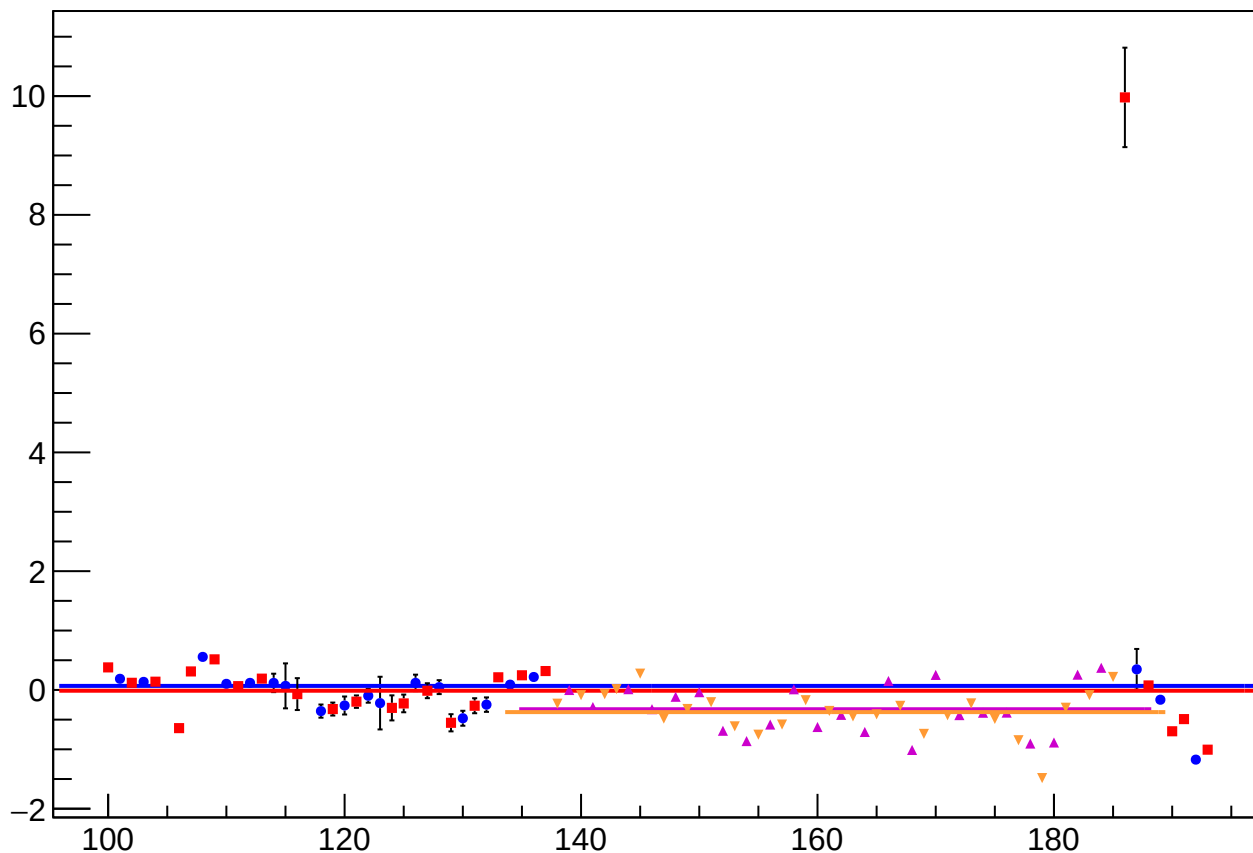
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 75.402 $\pm$ 0.153 χ^2 /NDF: 41924.0/44

All: 74.494 $\pm$ 0.108 χ^2 /NDF: 88487.0/91

- sign 73.586 $\pm$ 0.153 χ^2 /NDF: 46492.7/46

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.068 ± 0.013 χ^2/NDF : 1117.2/19

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.013 ± 0.012 χ^2/NDF : 1451.7/23

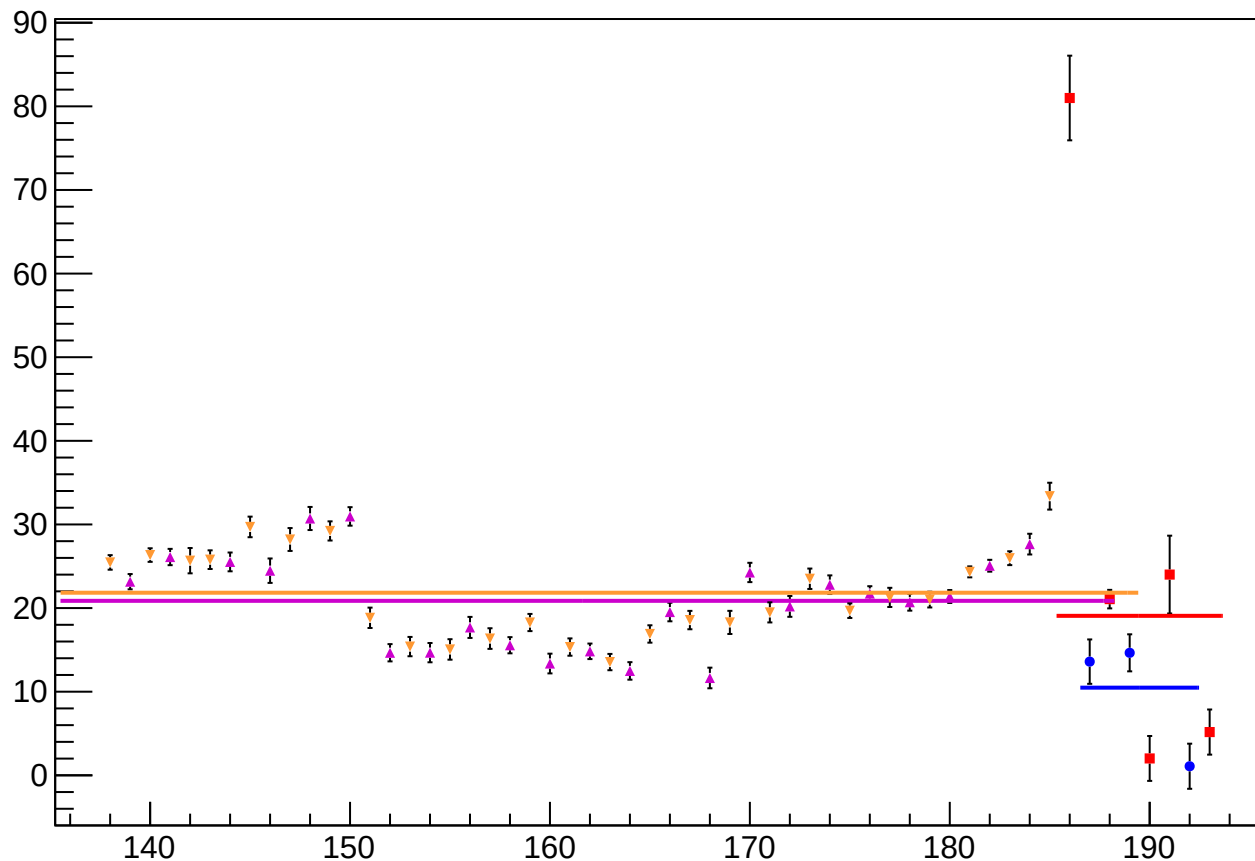
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.252 ± 0.007 χ^2/NDF : 3596.6/44

All: -0.237 ± 0.005 χ^2/NDF : 7810.5/91

- sign -0.224 ± 0.007 χ^2/NDF : 4205.4/46

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 10.483 $\pm$ 1.438 χ^2 /NDF: 17.0/2

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 19.072 $\pm$ 0.922 χ^2 /NDF: 220.9/4

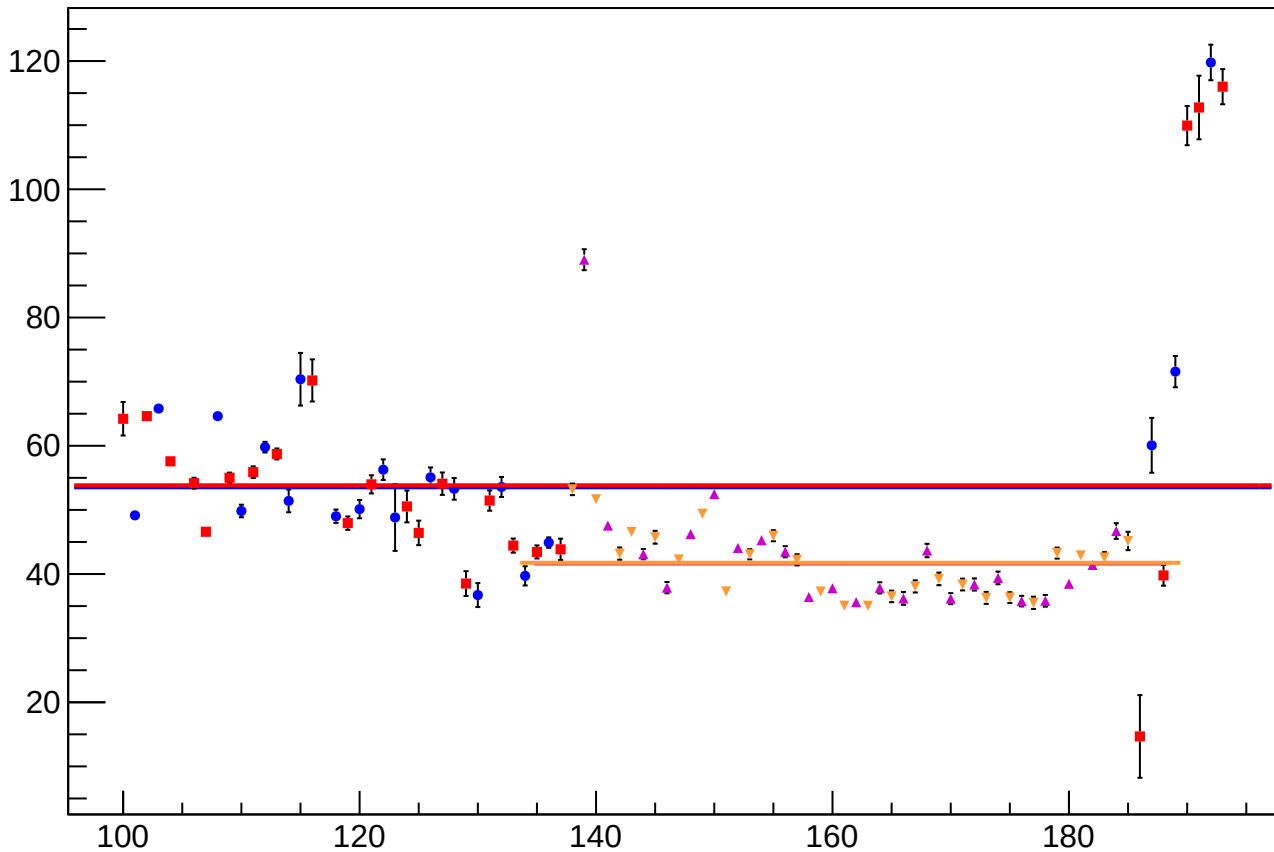
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 21.600 $\pm$ 0.208 χ^2 /NDF: 602.4/27

All: 21.192 $\pm$ 0.148 χ^2 /NDF: 1411.6/55

- sign 20.772 $\pm$ 0.211 χ^2 /NDF: 801.4/27

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 53.529 ± 0.209 χ^2/NDF : 1832.5/19

Left Out: 41.757 ± 0.165 χ^2/NDF : 1015.7/24

Right Out: 53.844 ± 0.223 χ^2/NDF : 1986.5/23

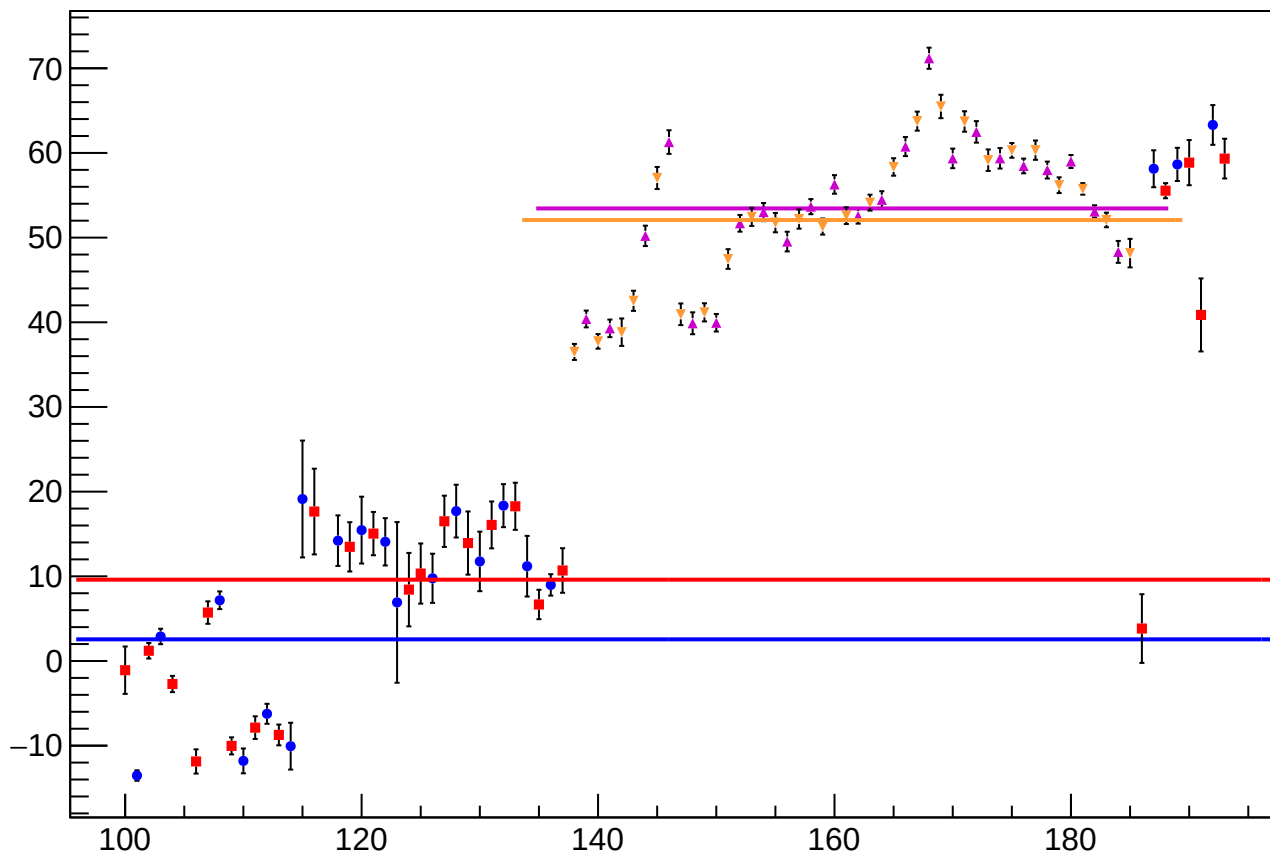
Left In: 41.643 ± 0.174 χ^2/NDF : 1611.0/22

+ sign 46.278 ± 0.130 χ^2/NDF : 4794.7/44

All: 46.268 ± 0.094 χ^2/NDF : 10255.9/91

- sign 46.256 ± 0.137 χ^2/NDF : 5461.1/46

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 2.556 ± 0.350 χ^2/NDF : 3155.5/19

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: 9.602 ± 0.339 χ^2/NDF : 4794.7/23

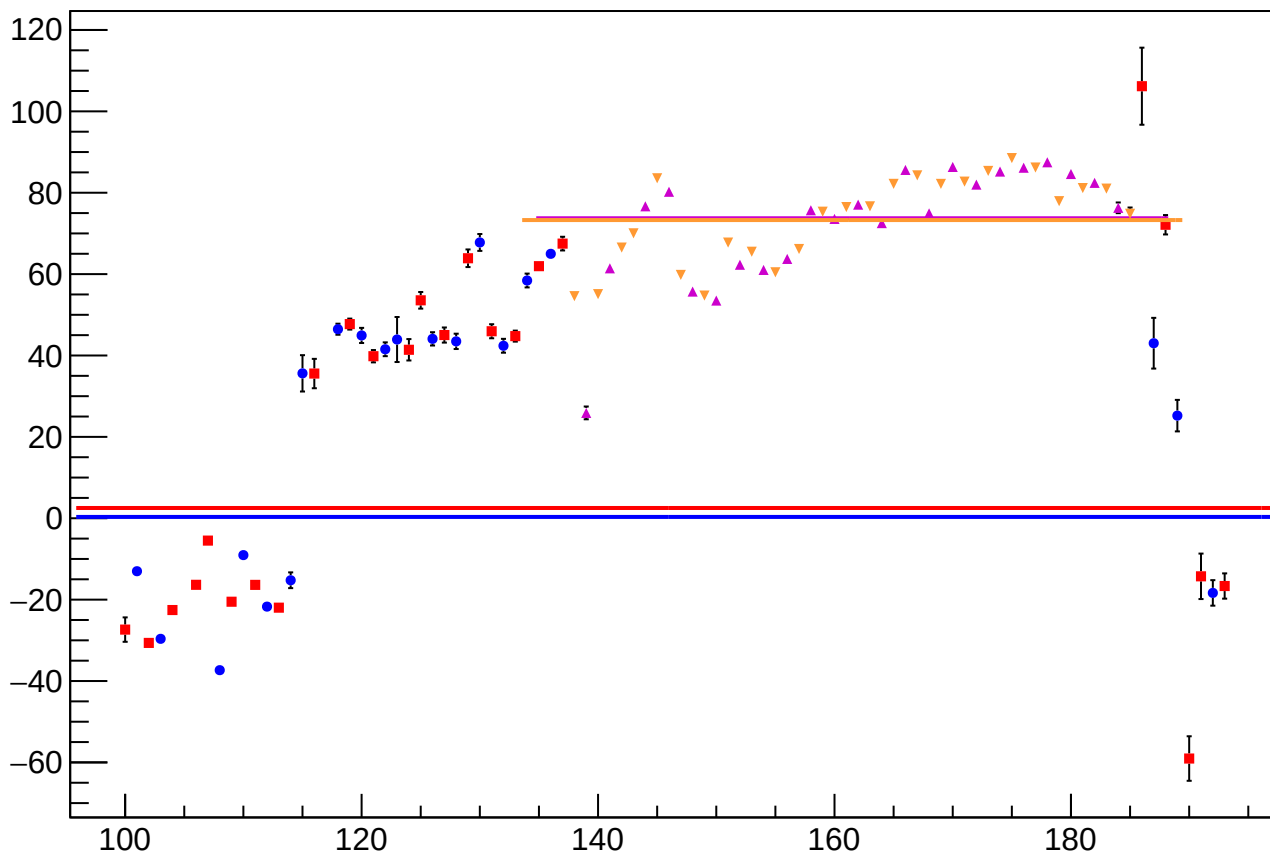
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 38.956 ± 0.180 χ^2/NDF : 19338.6/44

All: 39.881 ± 0.128 χ^2/NDF : 37290.4/91

- sign 40.823 ± 0.182 χ^2/NDF : 17898.5/46

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.328 ± 0.246 χ^2/NDF : 18343.8/19

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.526 ± 0.263 χ^2/NDF : 16565.5/23

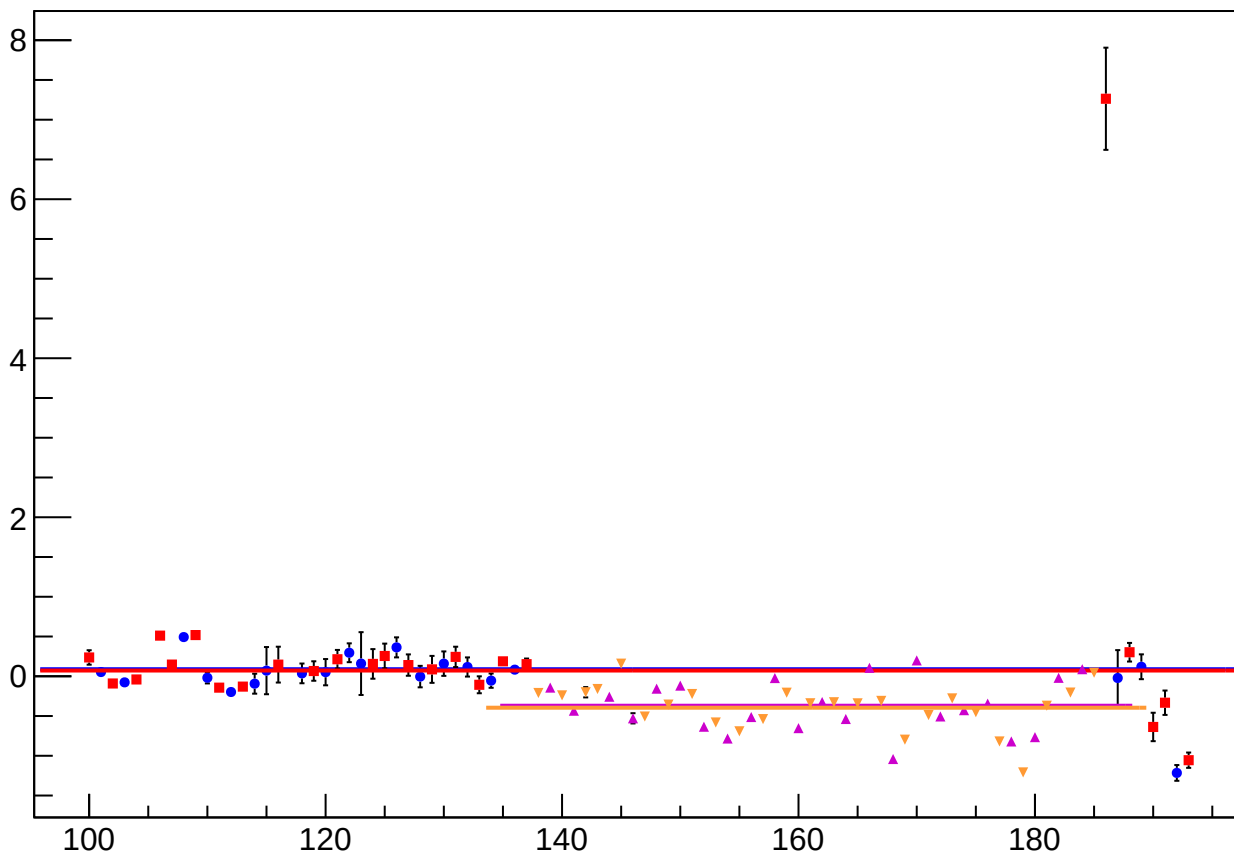
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.618 ± 0.149 χ^2/NDF : 77212.1/44

All: 47.579 ± 0.108 χ^2/NDF : 144946.1/91

- sign 48.640 ± 0.156 χ^2/NDF : 67646.3/46

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.089 $\pm$ 0.011 χ^2/NDF : 576.2/19

Left Out: -0.396 $\pm$ 0.009 χ^2/NDF : 950.0/24

Right Out: 0.072 $\pm$ 0.011 χ^2/NDF : 681.7/23

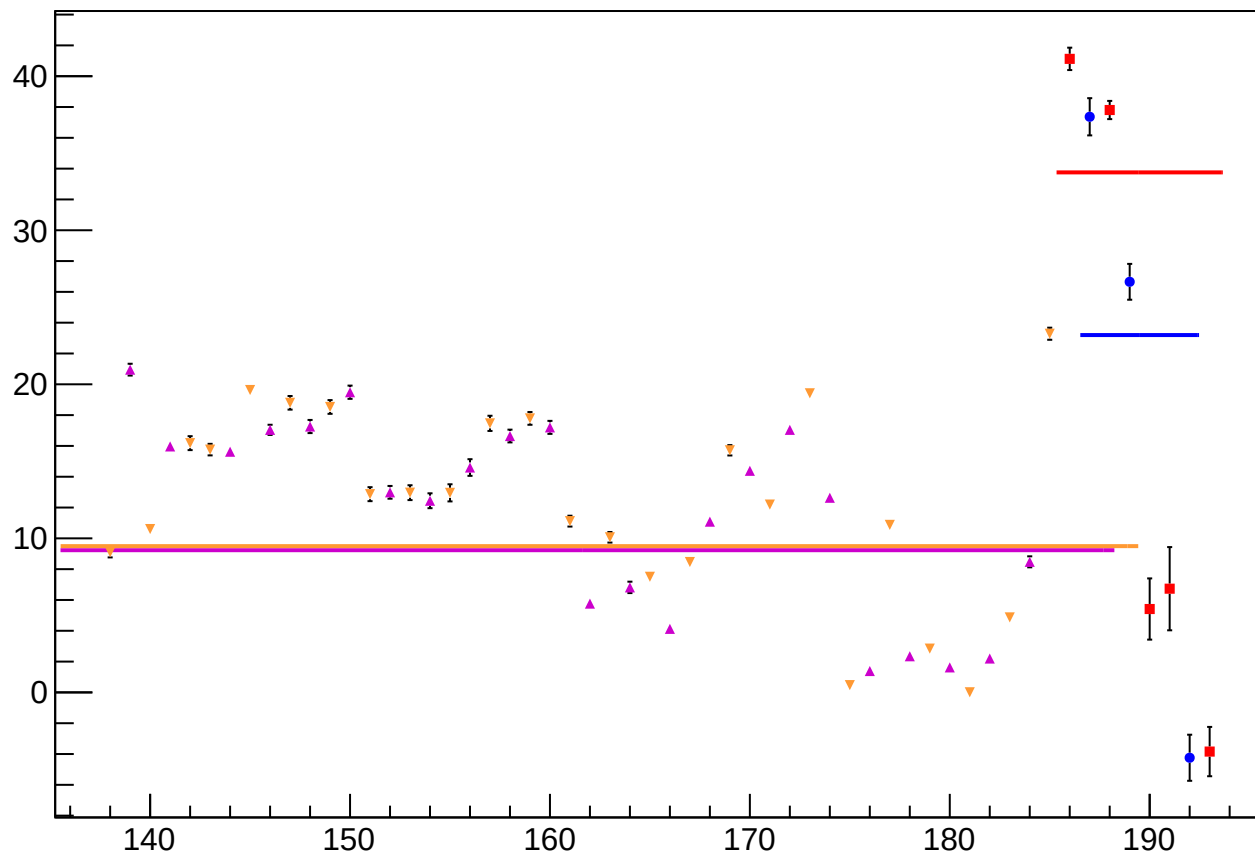
Left In: -0.371 $\pm$ 0.009 χ^2/NDF : 1313.7/22

+ sign -0.212 $\pm$ 0.007 χ^2/NDF : 2742.7/44

All: -0.205 $\pm$ 0.005 χ^2/NDF : 5754.8/91

- sign -0.197 $\pm$ 0.007 χ^2/NDF : 3009.6/46

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 23.197 $\pm$ 0.731 χ^2 /NDF: 482.9/2

Left Out: 9.495 $\pm$ 0.061 χ^2 /NDF:12609.1/24

Right Out: 33.756 $\pm$ 0.425 χ^2 /NDF: 1005.0/4

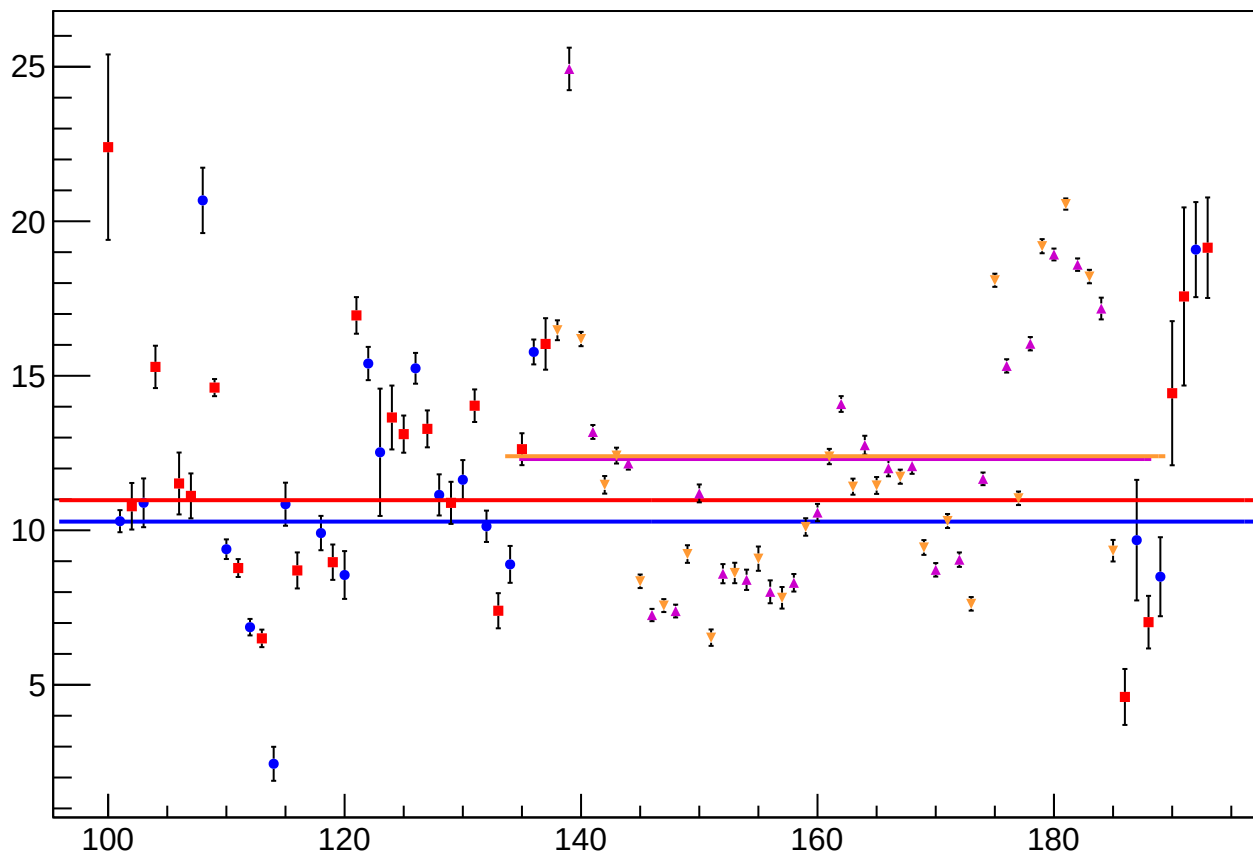
Left In: 9.231 $\pm$ 0.063 χ^2 /NDF:10736.2/22

+ sign 9.590 $\pm$ 0.061 χ^2 /NDF: 13440.9/27

All: 9.673 $\pm$ 0.044 χ^2 /NDF: 28444.7/55

- sign 9.759 $\pm$ 0.062 χ^2 /NDF: 15000.0/27

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.282 $\pm$ 0.119 χ^2 /NDF: 901.0/19

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 10.975 $\pm$ 0.114 χ^2 /NDF: 921.3/23

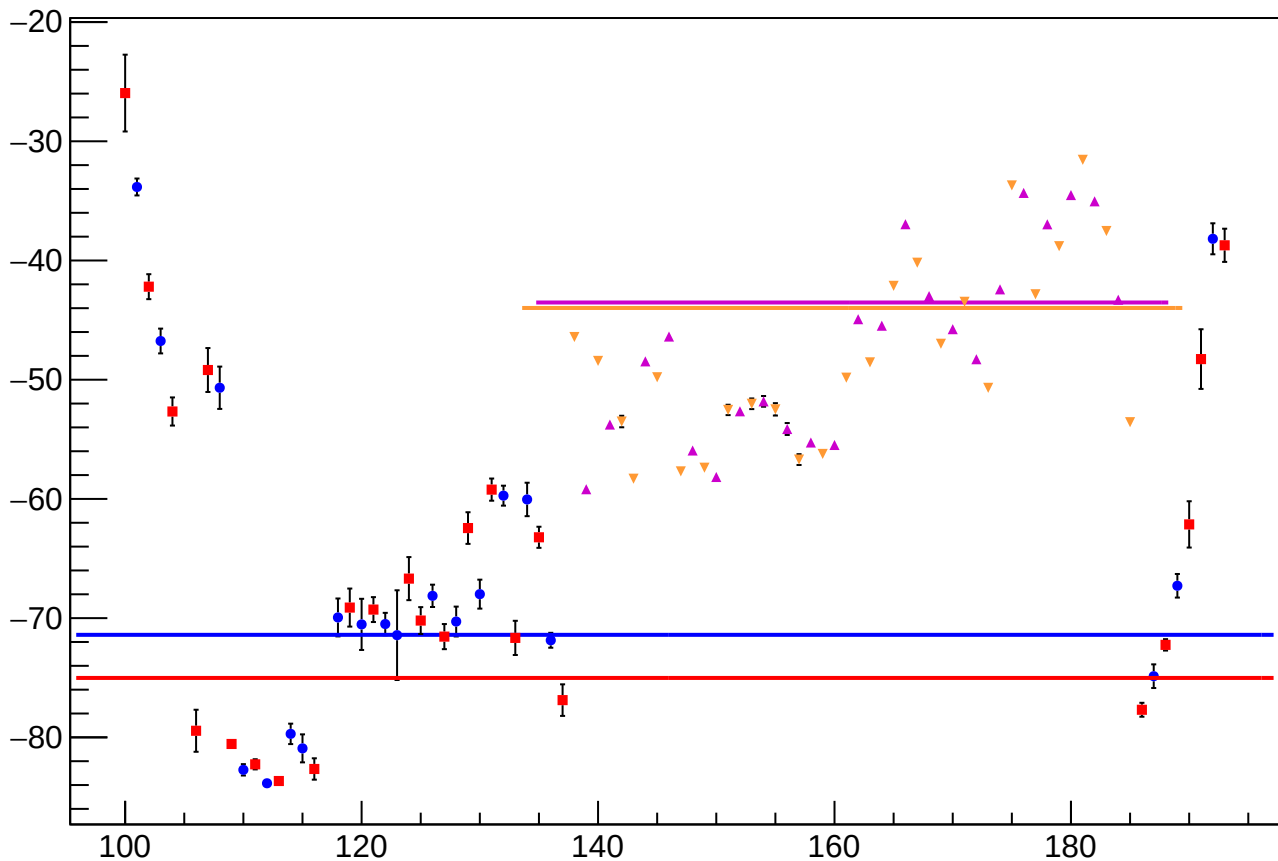
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.081 $\pm$ 0.046 χ^2 /NDF: 8714.6/44

All: 12.082 $\pm$ 0.033 χ^2 /NDF: 15351.4/91

- sign 12.083 $\pm$ 0.047 χ^2 /NDF: 6636.8/46

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -71.400 ± 0.189 χ^2/NDF : 6261.0/19

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -75.016 ± 0.161 χ^2/NDF : 4382.8/23

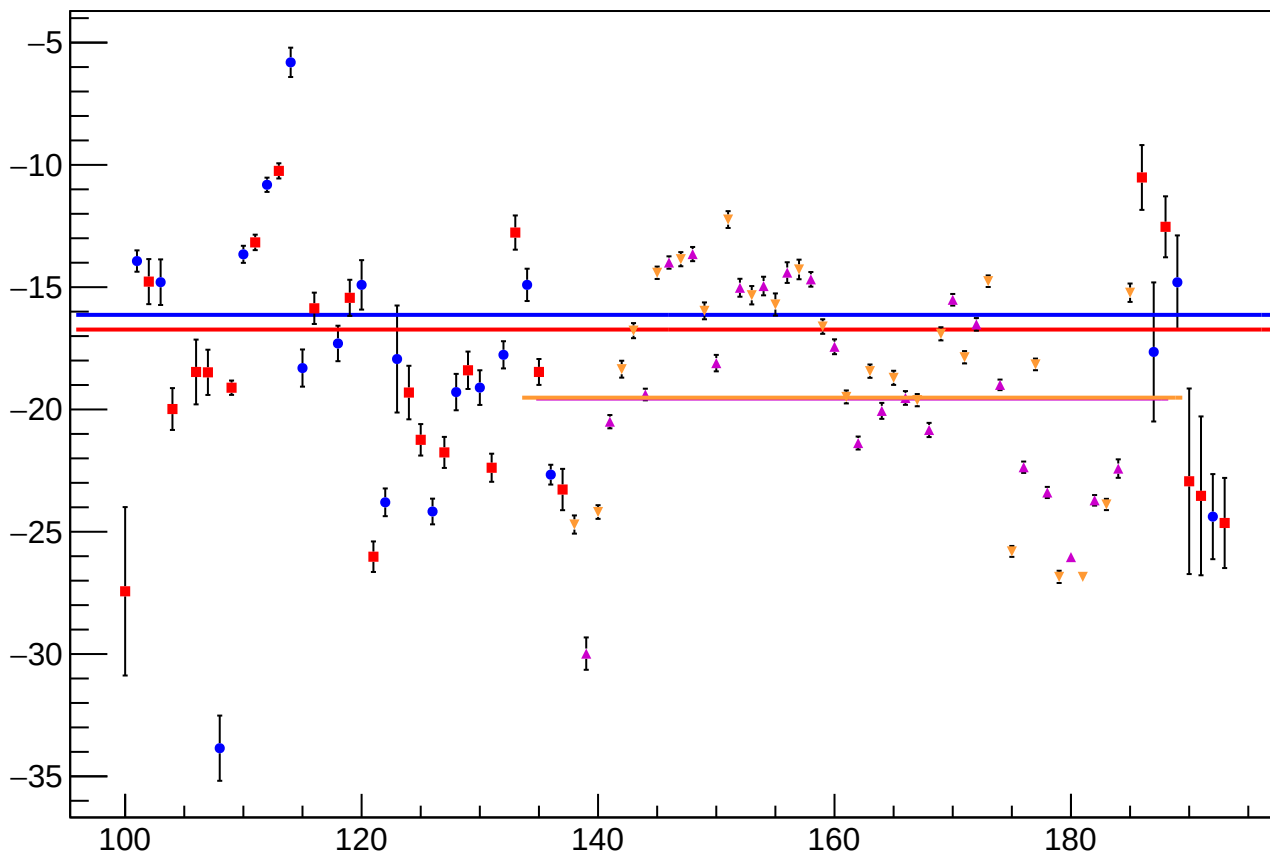
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.643 ± 0.059 χ^2/NDF : 43018.7/44

All: -47.199 ± 0.042 χ^2/NDF : 96093.3/91

- sign -47.756 ± 0.059 χ^2/NDF : 52895.9/46

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.132 ± 0.132 χ^2/NDF : 1644.0/19

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.733 ± 0.127 χ^2/NDF : 1270.2/23

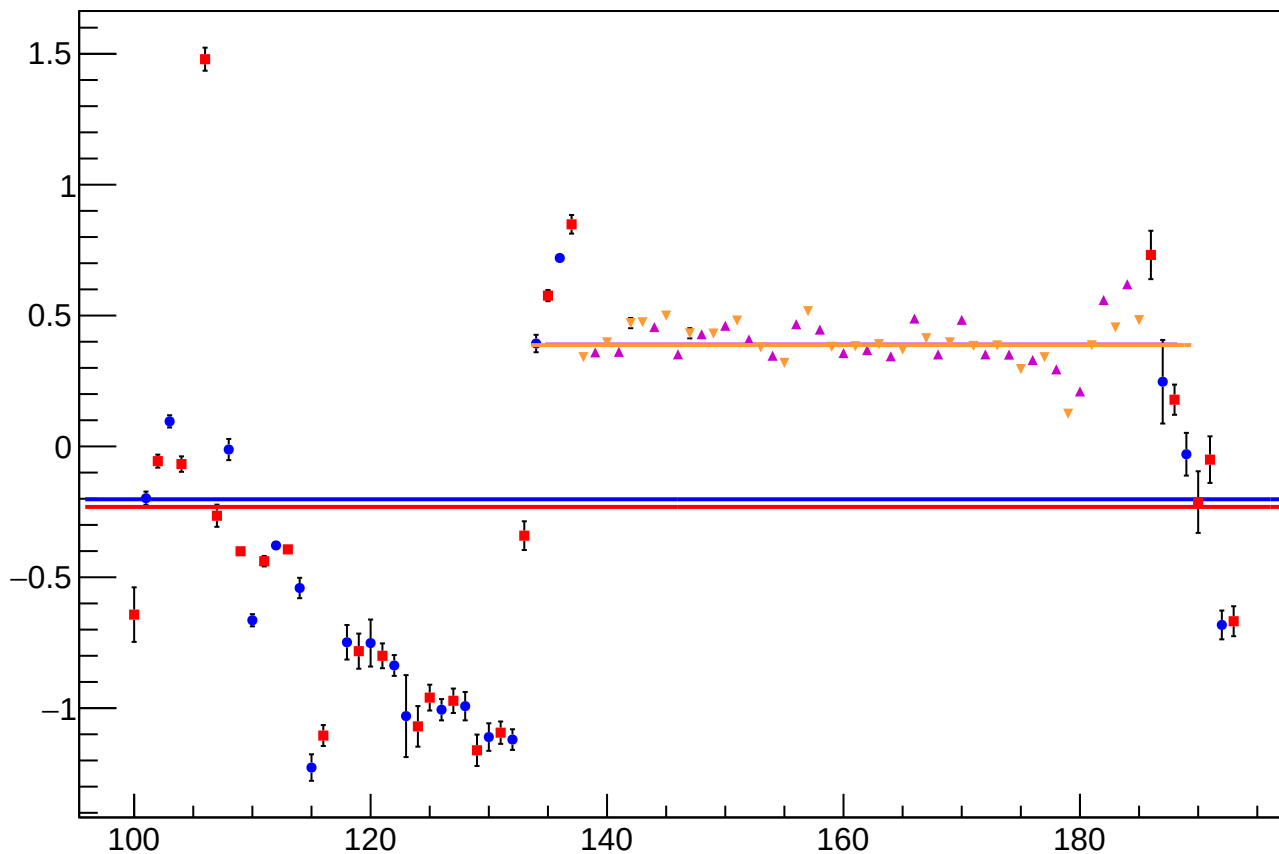
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.004 ± 0.051 χ^2/NDF : 8720.5/44

All: -19.039 ± 0.037 χ^2/NDF : 14715.2/91

- sign -19.075 ± 0.052 χ^2/NDF : 5993.7/46

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.202 ± 0.007 χ^2/NDF : 6405.7/19

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.231 ± 0.007 χ^2/NDF : 6398.7/23

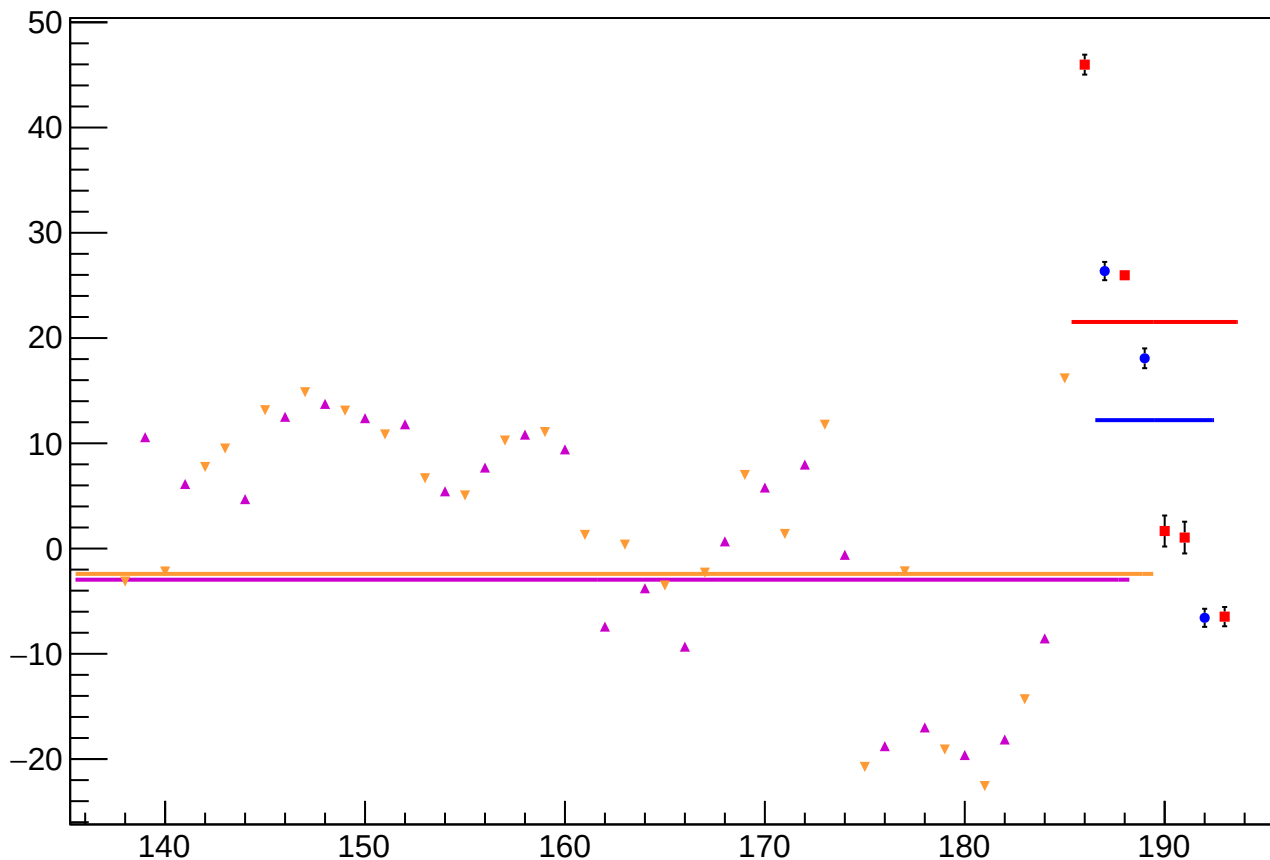
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.325 ± 0.002 χ^2/NDF : 12997.5/44

All: 0.319 ± 0.002 χ^2/NDF : 27520.0/91

- sign 0.313 ± 0.002 χ^2/NDF : 14511.2/46

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 12.200 $\pm$ 0.512 χ^2 /NDF: 783.5/2

Left Out: -2.407 $\pm$ 0.053 χ^2 /NDF: 56368.5/24

Right Out: 21.528 $\pm$ 0.340 χ^2 /NDF: 2072.9/4

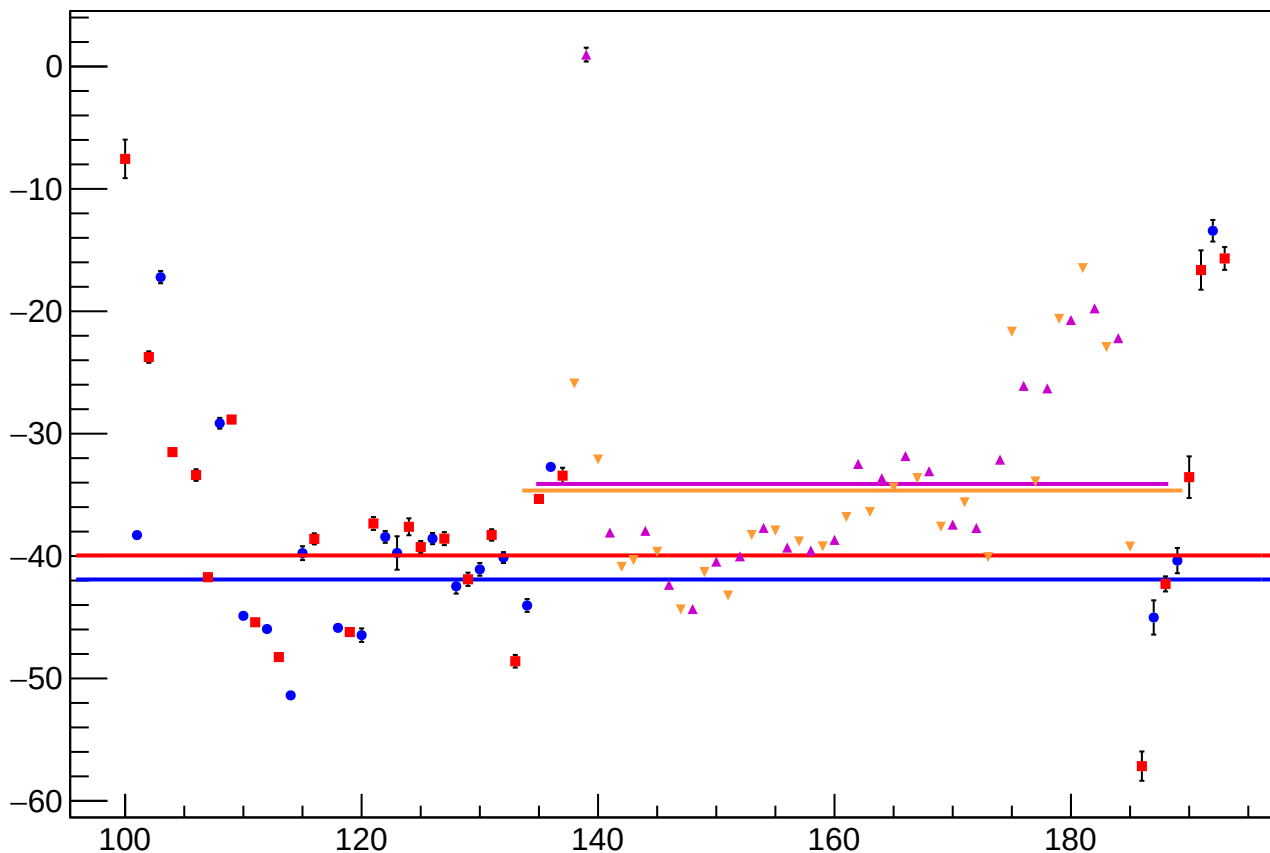
Left In: -2.959 $\pm$ 0.055 χ^2 /NDF: 45922.6/22

+ sign -2.253 $\pm$ 0.052 χ^2 /NDF: 57957.3/27

All: -2.294 $\pm$ 0.038 χ^2 /NDF: 111021.3/55

- sign -2.337 $\pm$ 0.054 χ^2 /NDF: 53062.7/27

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.914 ± 0.078 $\chi^2/\text{NDF}: 7609.6/19$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -39.950 ± 0.072 $\chi^2/\text{NDF}: 12447.0/23$

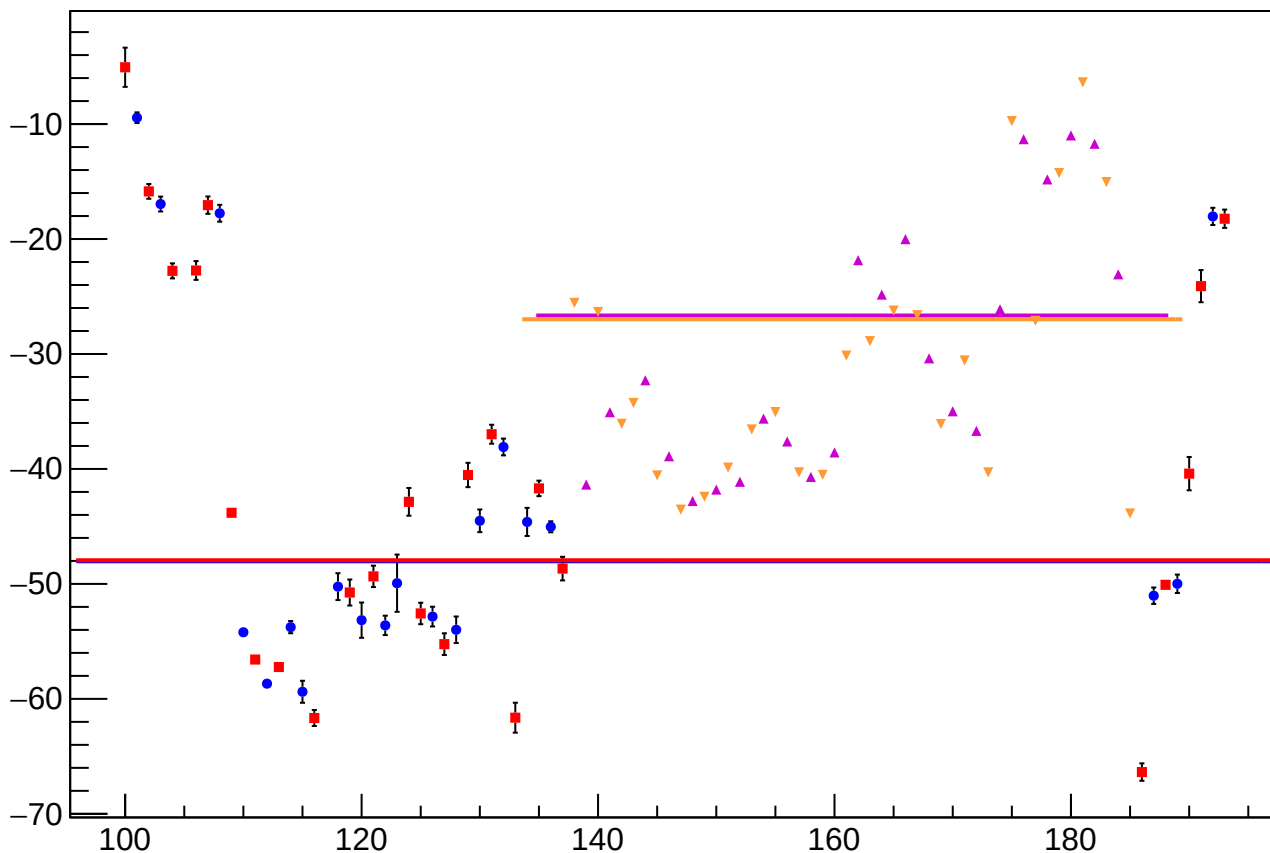
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.281 ± 0.037 $\chi^2/\text{NDF}: 49094.8/44$

All: -35.996 ± 0.026 $\chi^2/\text{NDF}: 95529.6/91$

- sign -35.700 ± 0.038 $\chi^2/\text{NDF}: 46312.4/46$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.030 ± 0.120 $\chi^2/\text{NDF}: 16327.8/19$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -47.942 ± 0.100 $\chi^2/\text{NDF}: 14069.7/23$

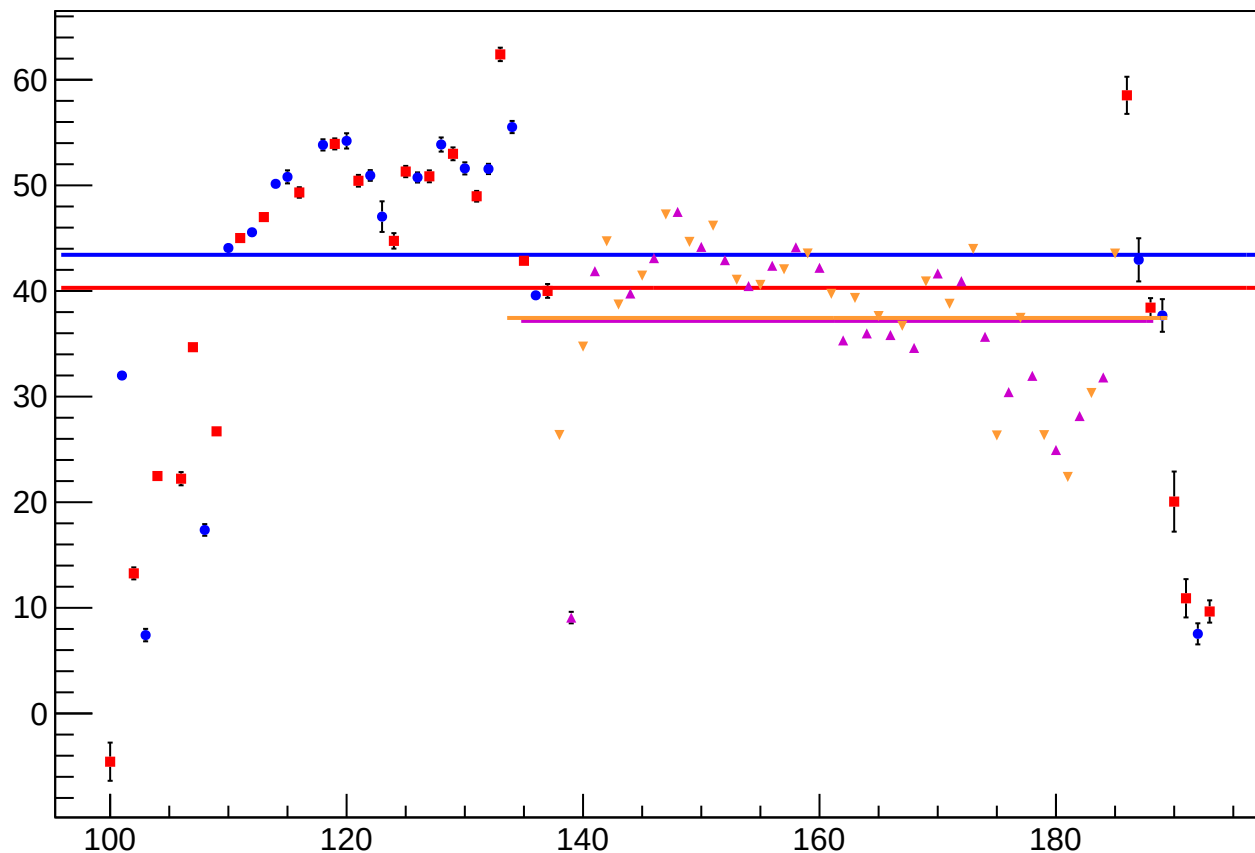
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.436 ± 0.049 $\chi^2/\text{NDF}: 91426.8/44$

All: -31.009 ± 0.034 $\chi^2/\text{NDF}: 182571.1/91$

- sign -31.572 ± 0.048 $\chi^2/\text{NDF}: 90869.1/46$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.425 $\pm$ 0.086 χ^2 /NDF: 11880.3/19

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF: 21570.6/24

Right Out: 40.297 $\pm$ 0.080 χ^2 /NDF: 18855.5/23

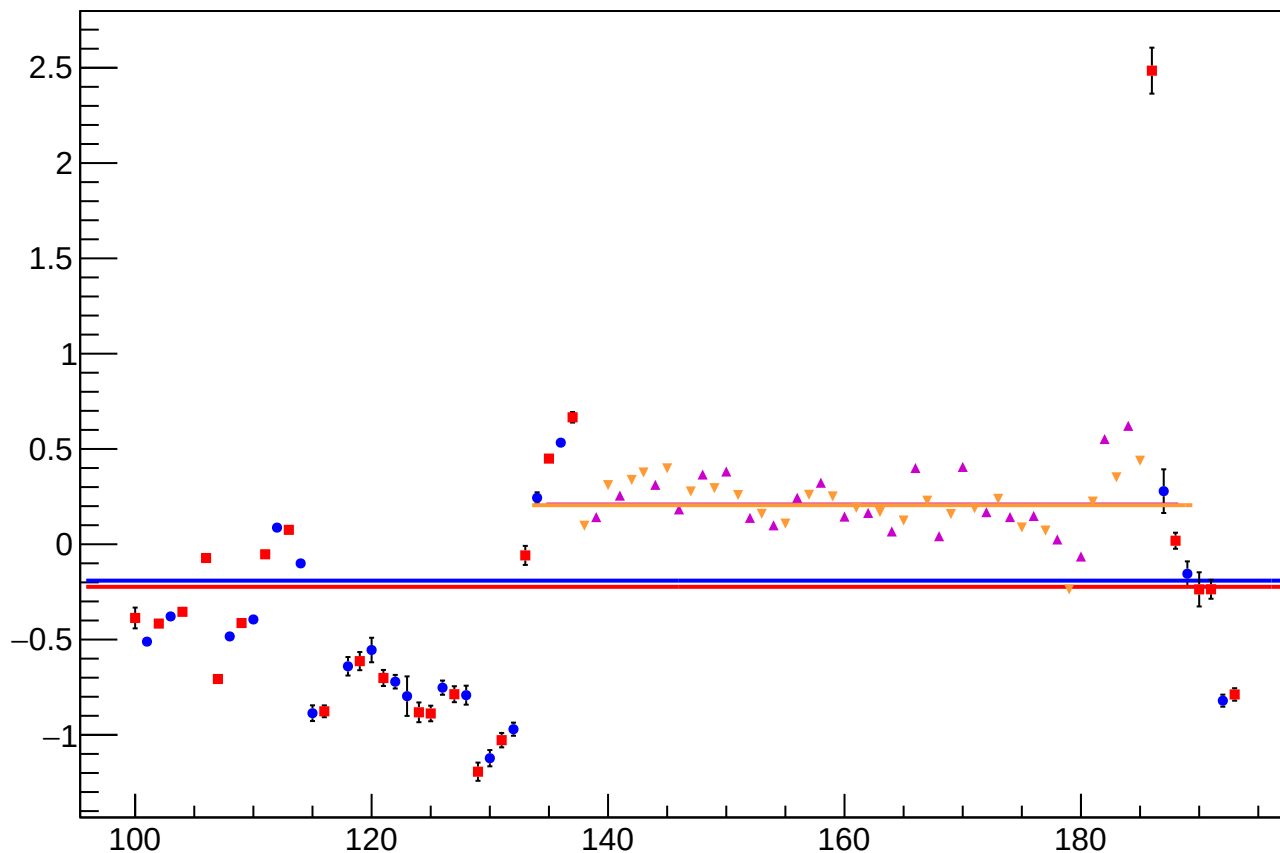
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF: 17236.9/22

+ sign 38.817 $\pm$ 0.041 χ^2 /NDF: 37133.4/44

All: 38.431 $\pm$ 0.029 χ^2 /NDF: 74519.5/91

- sign 38.037 $\pm$ 0.042 χ^2 /NDF: 37210.8/46

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.191 ± 0.005 χ^2/NDF : 7776.0/19

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.223 ± 0.004 χ^2/NDF : 8252.8/23

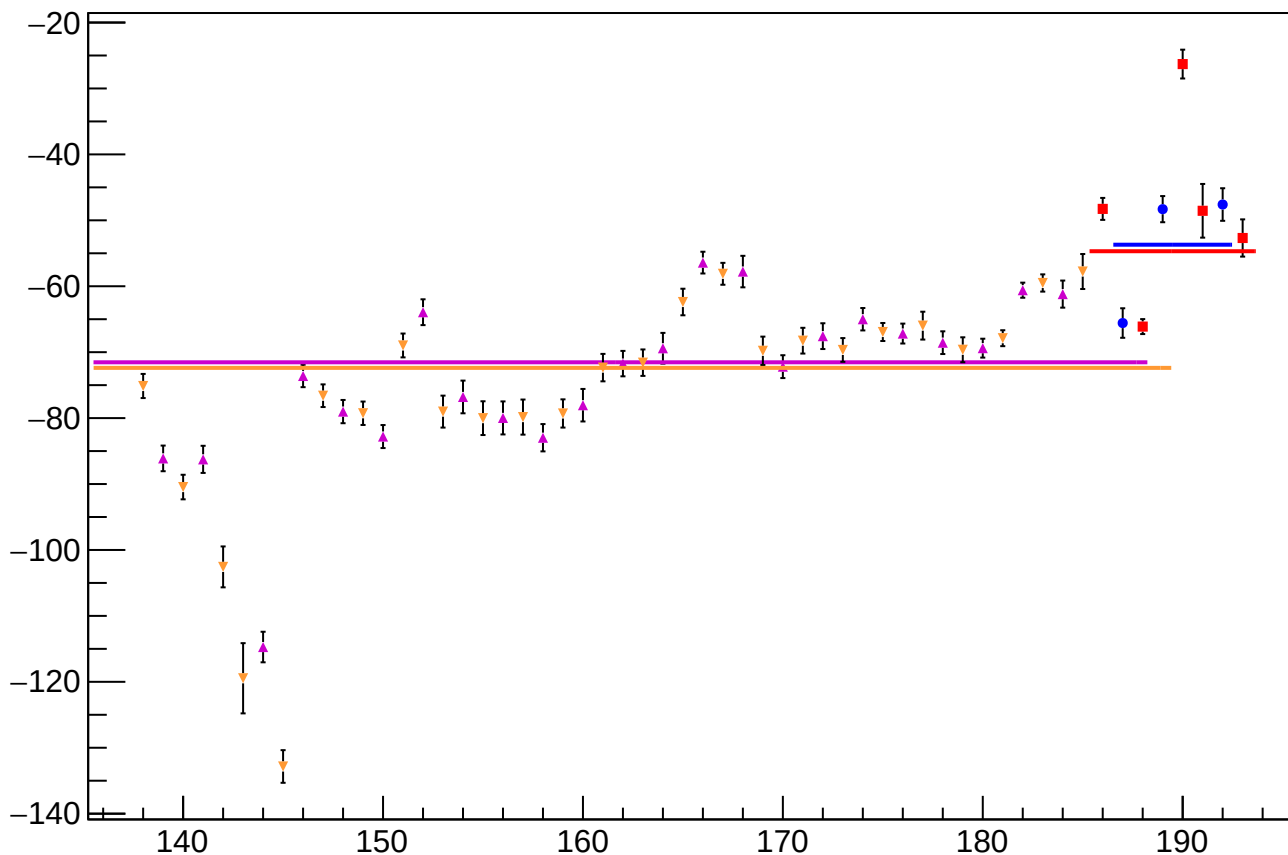
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.137 ± 0.002 χ^2/NDF : 17298.6/44

All: 0.125 ± 0.001 χ^2/NDF : 38866.3/91

- sign 0.113 ± 0.002 χ^2/NDF : 21495.7/46

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -53.698 ± 1.273 χ^2/NDF : 41.6/2

Left Out: -72.381 ± 0.382 χ^2/NDF : 1199.9/24

Right Out: -54.688 ± 0.808 χ^2/NDF : 287.7/4

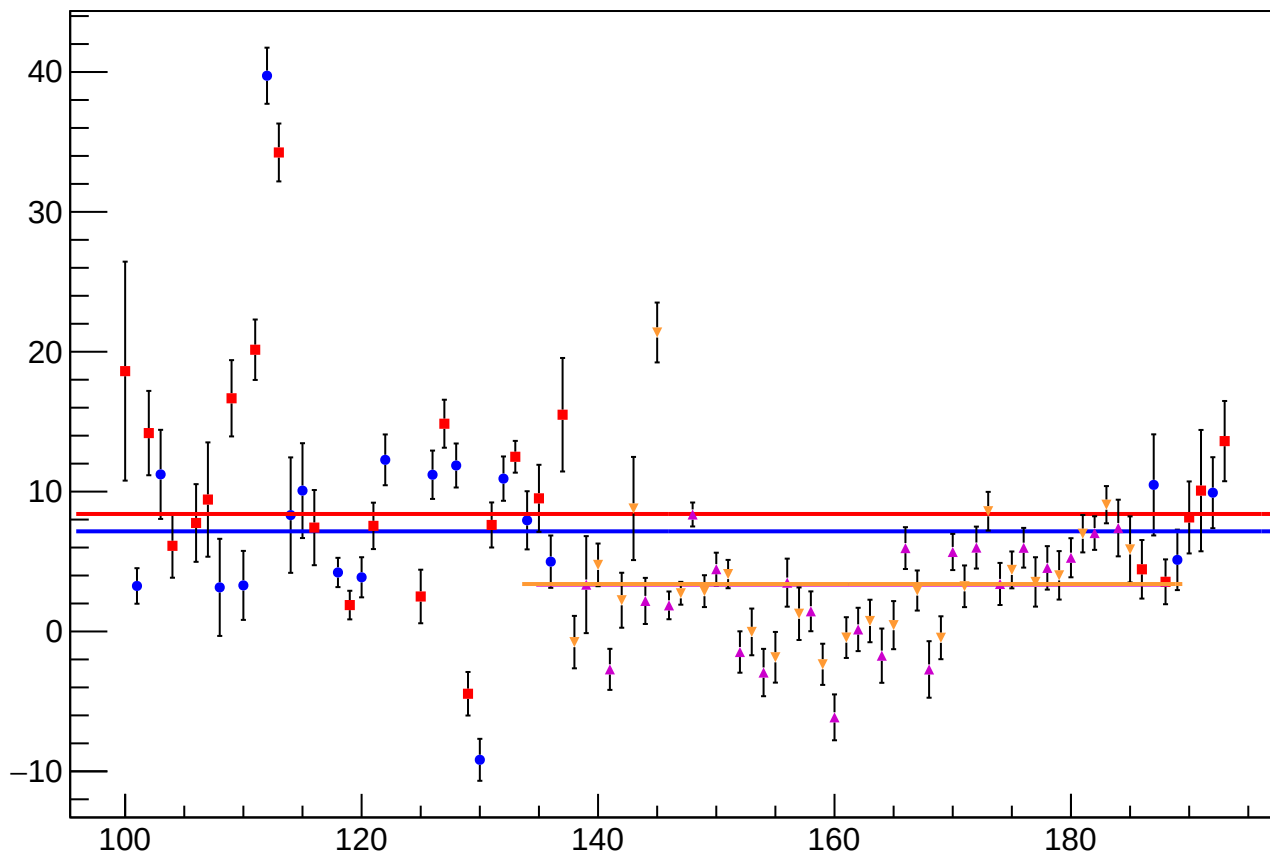
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -70.838 ± 0.366 χ^2/NDF : 1439.2/27

All: -69.580 ± 0.251 χ^2/NDF : 2956.1/55

- sign -68.461 ± 0.345 χ^2/NDF : 1494.6/27

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.159 ± 0.422 χ^2/NDF : 443.4/18

Left Out: 3.392 ± 0.294 χ^2/NDF : 169.9/24

Right Out: 8.401 ± 0.411 χ^2/NDF : 366.7/22

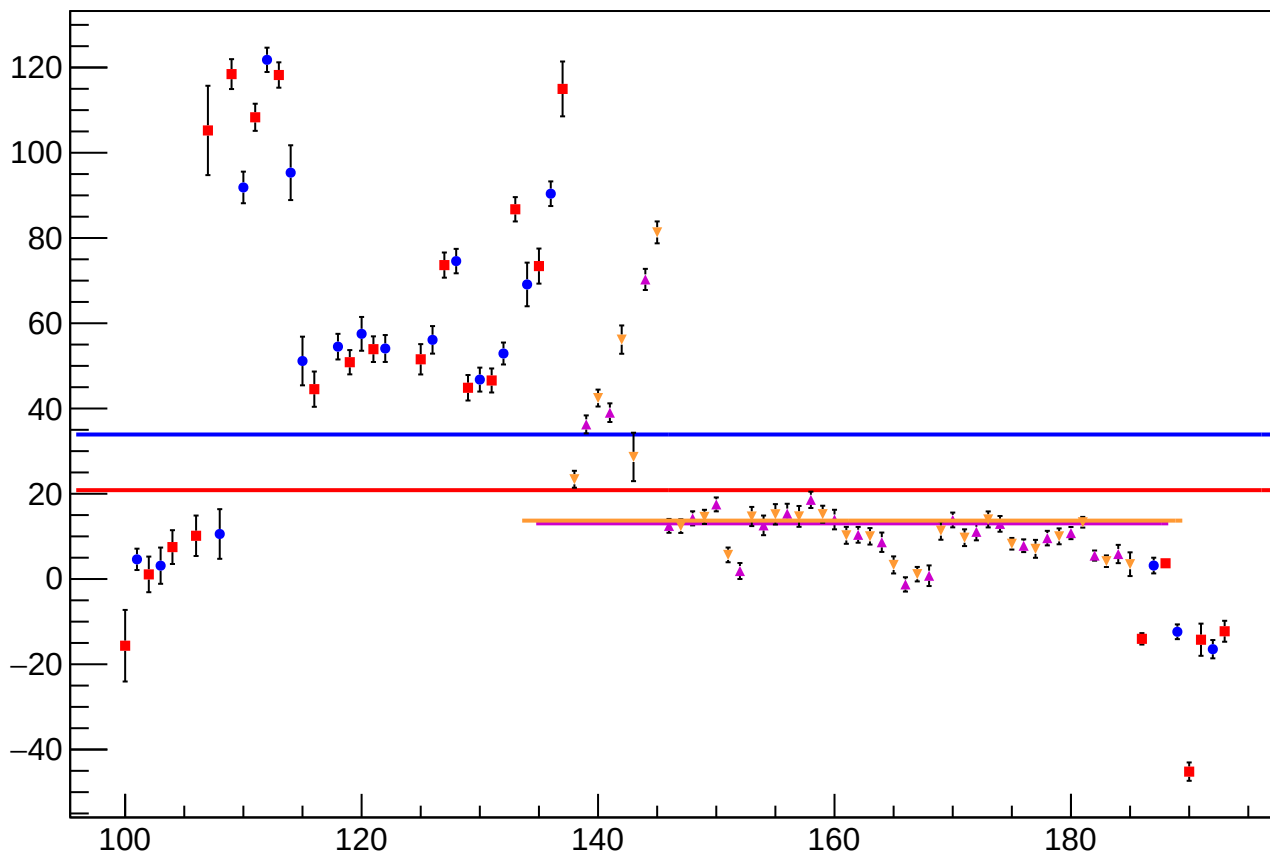
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.621 ± 0.241 χ^2/NDF : 666.8/43

All: 4.855 ± 0.171 χ^2/NDF : 1297.9/89

- sign 5.090 ± 0.241 χ^2/NDF : 629.2/45

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 33.903 ± 0.664 χ^2/NDF : 3918.6/18

Left Out: 13.700 ± 0.381 χ^2/NDF : 1307.0/24

Right Out: 20.845 ± 0.527 χ^2/NDF : 6677.7/22

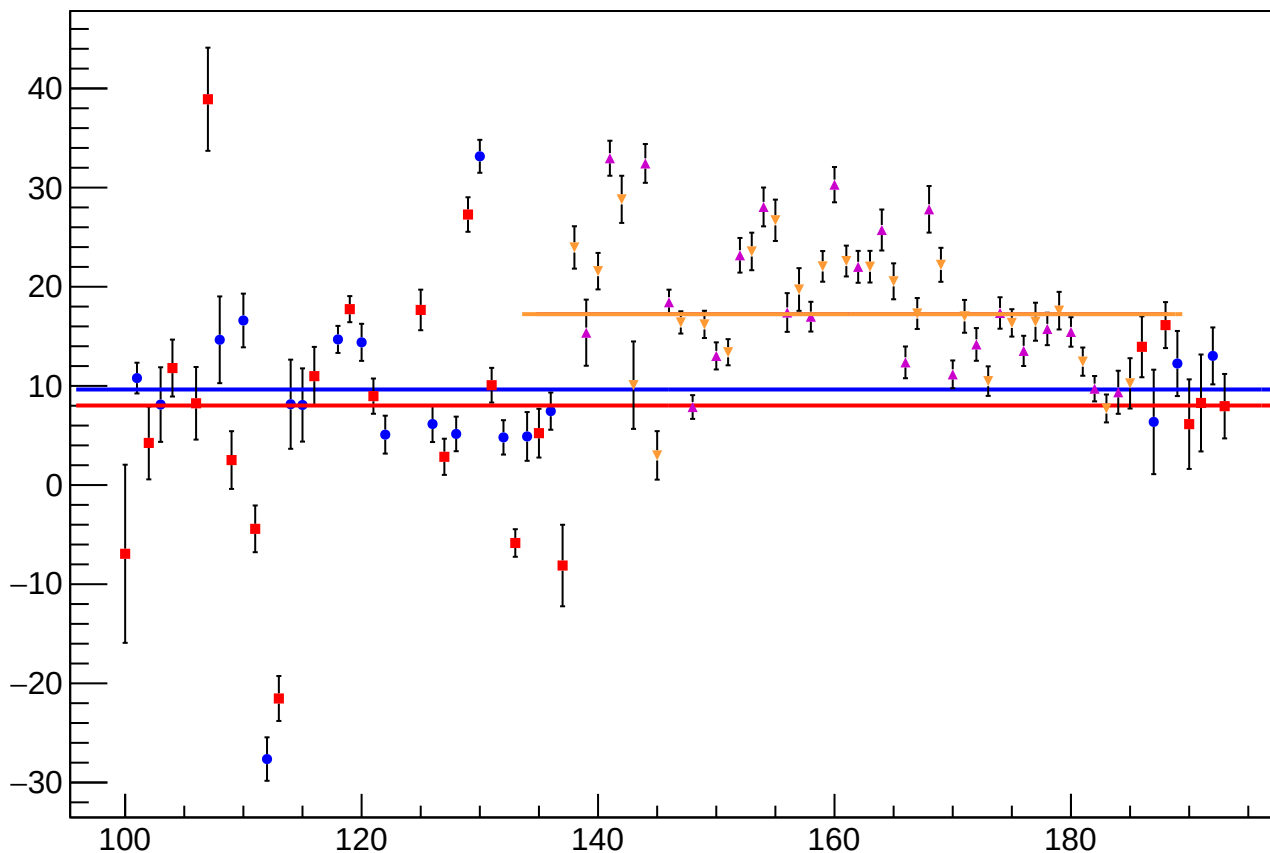
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 18.702 ± 0.330 χ^2/NDF : 5922.1/43

All: 17.107 ± 0.225 χ^2/NDF : 13811.8/89

- sign 15.721 ± 0.308 χ^2/NDF : 7846.2/45

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.638 ± 0.492 $\chi^2/\text{NDF}: 549.7/18$

Left Out: 17.238 ± 0.336 $\chi^2/\text{NDF}: 246.5/24$

Right Out: 8.023 ± 0.486 $\chi^2/\text{NDF}: 584.1/22$

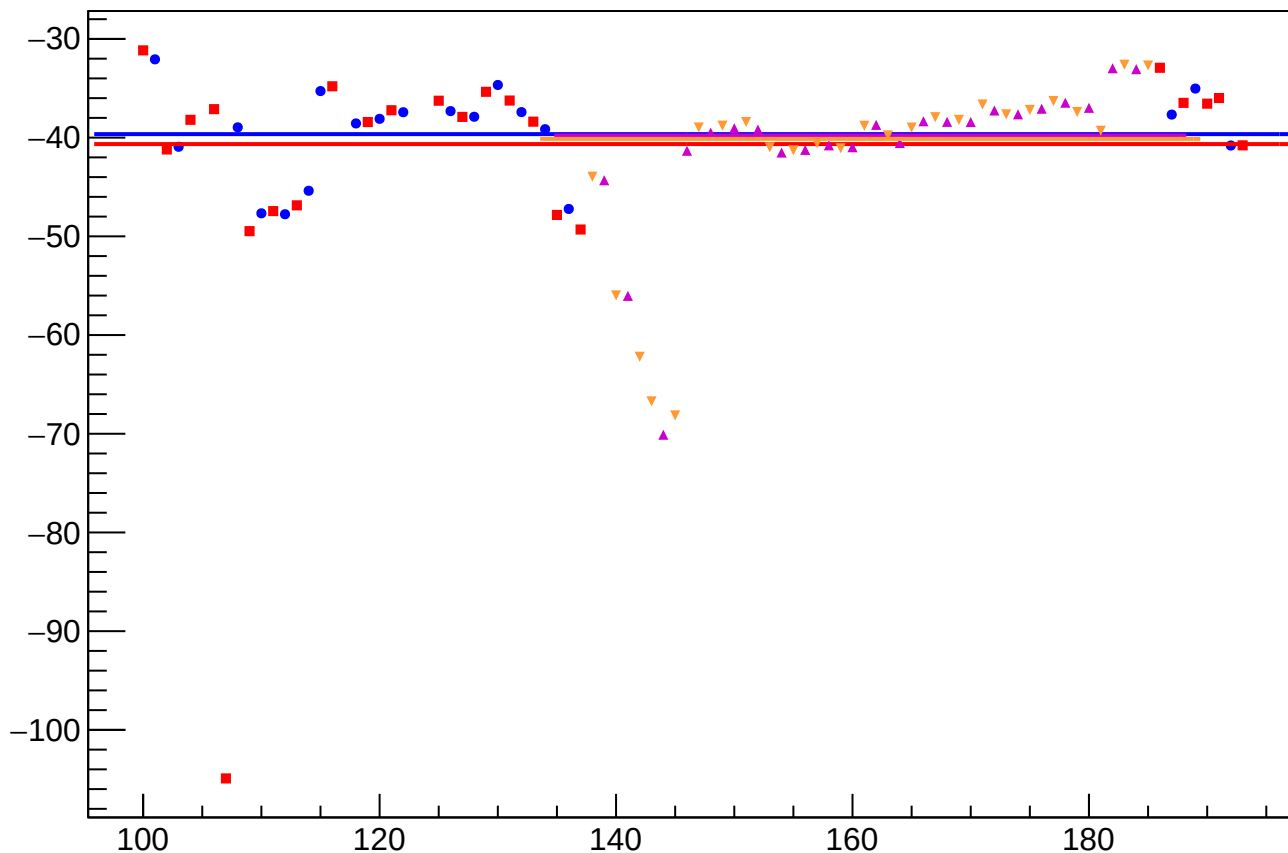
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.820 ± 0.278 $\chi^2/\text{NDF}: 958.9/43$

All: 14.521 ± 0.197 $\chi^2/\text{NDF}: 2228.2/89$

- sign 14.221 ± 0.278 $\chi^2/\text{NDF}: 1267.0/45$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.645 ± 0.029 χ^2/NDF : 27555.0/18

Left Out: -40.126 ± 0.016 χ^2/NDF : 185897.0/24

Right Out: -40.653 ± 0.027 χ^2/NDF : 100402.8/22

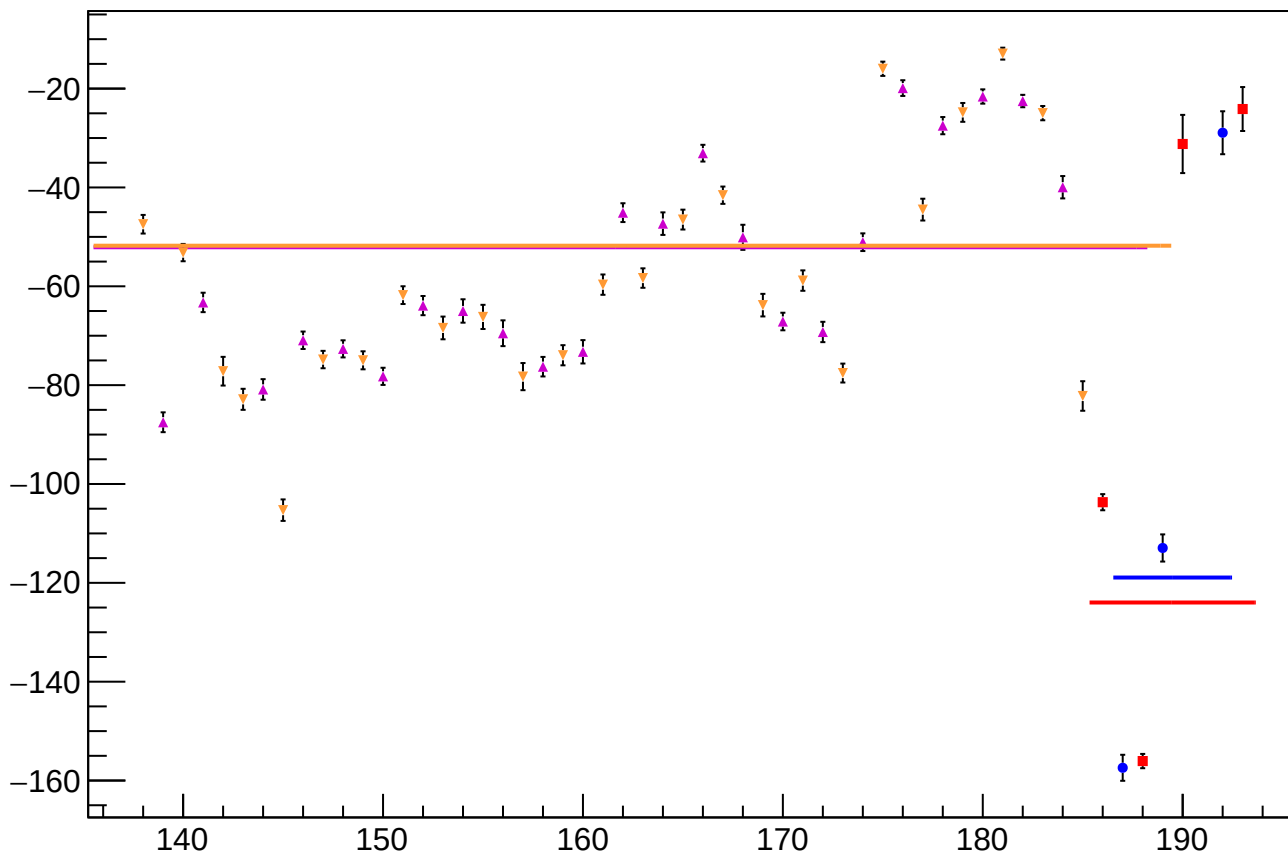
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.015 ± 0.014 χ^2/NDF : 213667.8/43

All: -40.007 ± 0.010 χ^2/NDF : 459328.6/89

- sign -40.000 ± 0.014 χ^2/NDF : 245660.1/45

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -118.927 ± 1.742 χ^2/NDF : 647.7/2

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -123.978 ± 1.035 χ^2/NDF : 1399.8/3

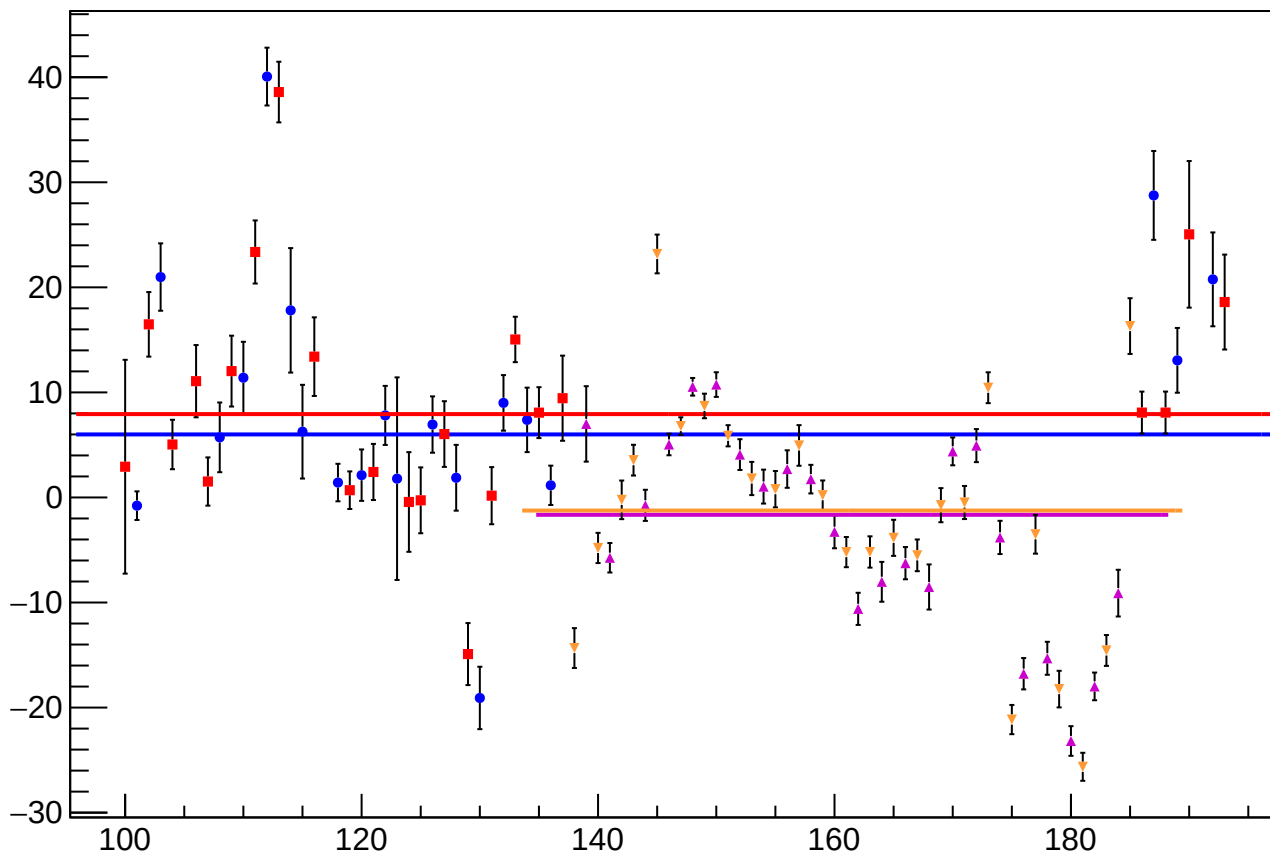
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -54.878 ± 0.374 χ^2/NDF : 6230.0/27

All: -58.014 ± 0.261 χ^2/NDF : 15273.9/54

- sign -60.987 ± 0.364 χ^2/NDF : 8906.7/26

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 6.000 ± 0.604 $\chi^2/\text{NDF}: 342.4/19$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 7.934 ± 0.584 $\chi^2/\text{NDF}: 282.5/22$

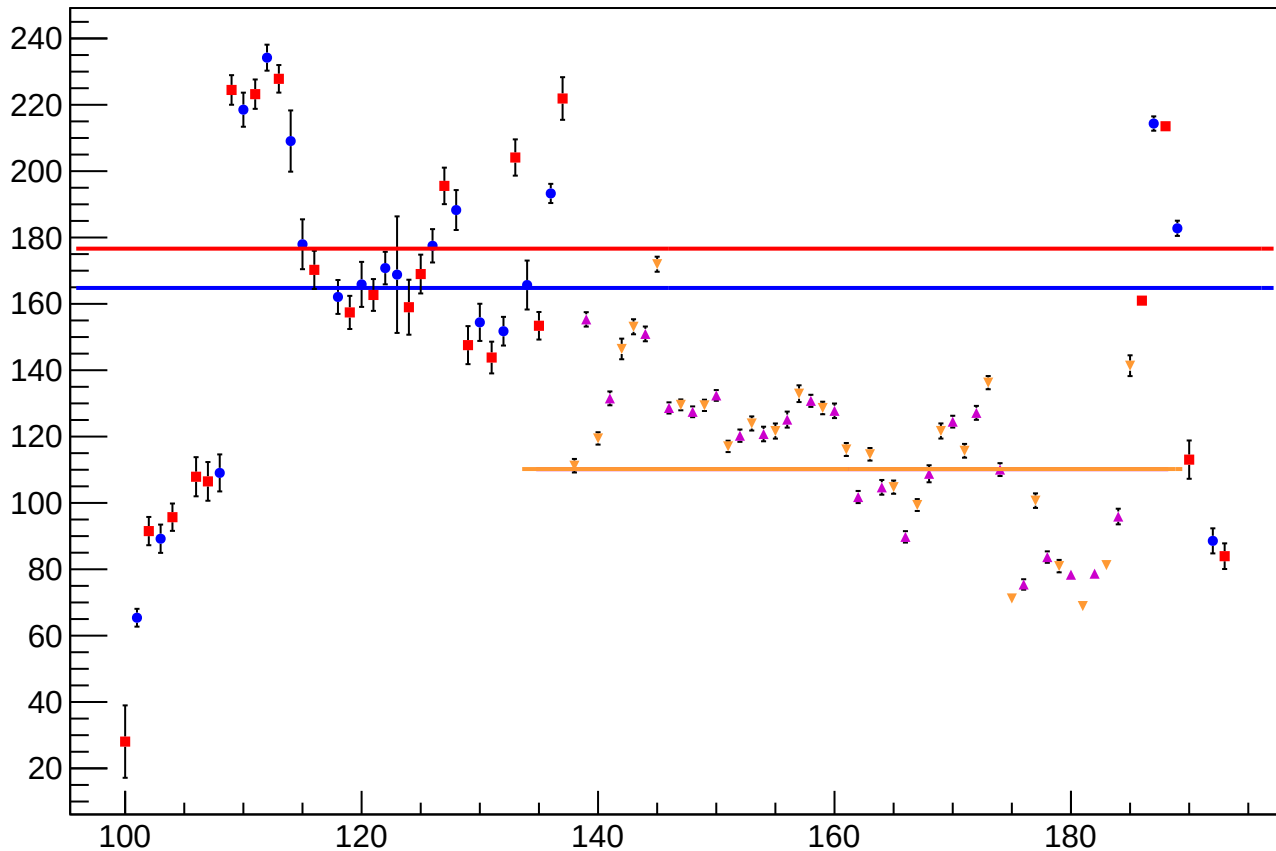
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.125 ± 0.263 $\chi^2/\text{NDF}: 1781.8/44$

All: 0.236 ± 0.187 $\chi^2/\text{NDF}: 3369.6/90$

- sign 0.350 ± 0.267 $\chi^2/\text{NDF}: 1587.5/45$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 164.797 $\pm$ 0.902 χ^2 /NDF: 3360.7/19

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 176.645 $\pm$ 0.683 χ^2 /NDF: 3700.2/22

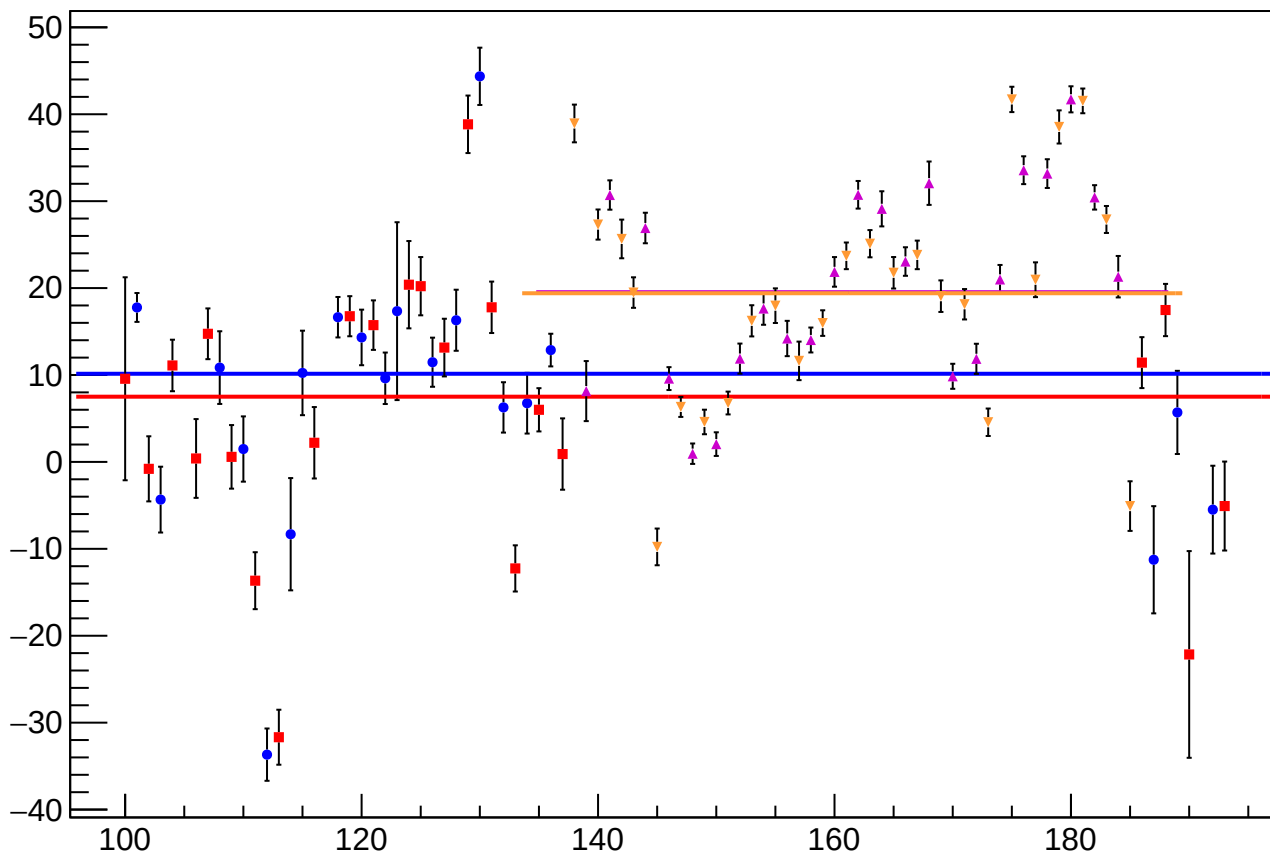
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 118.508 $\pm$ 0.352 χ^2 /NDF: 11056.7/44

All: 122.572 $\pm$ 0.243 χ^2 /NDF: 25901.9/90

- sign 126.279 $\pm$ 0.336 χ^2 /NDF: 14590.0/45

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.142 $\pm$ 0.701 χ^2/NDF : 409.8/19

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 7.504 $\pm$ 0.697 χ^2/NDF : 448.8/22

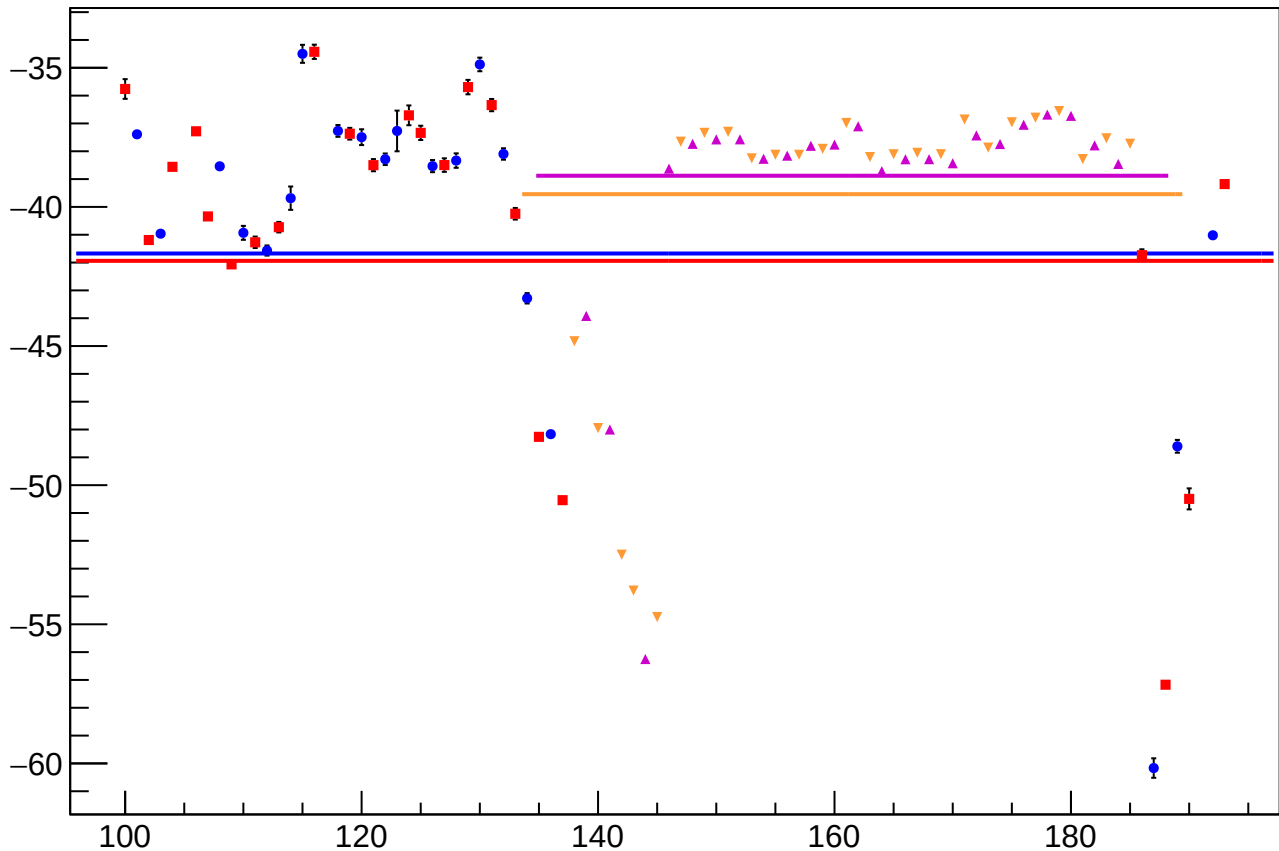
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 17.686 $\pm$ 0.302 χ^2/NDF : 2005.4/44

All: 17.444 $\pm$ 0.215 χ^2/NDF : 3876.4/90

- sign 17.193 $\pm$ 0.307 χ^2/NDF : 1869.8/45

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.674 ± 0.037 $\chi^2/\text{NDF}: 16309.5/19$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.938 ± 0.036 $\chi^2/\text{NDF}: 22483.0/22$

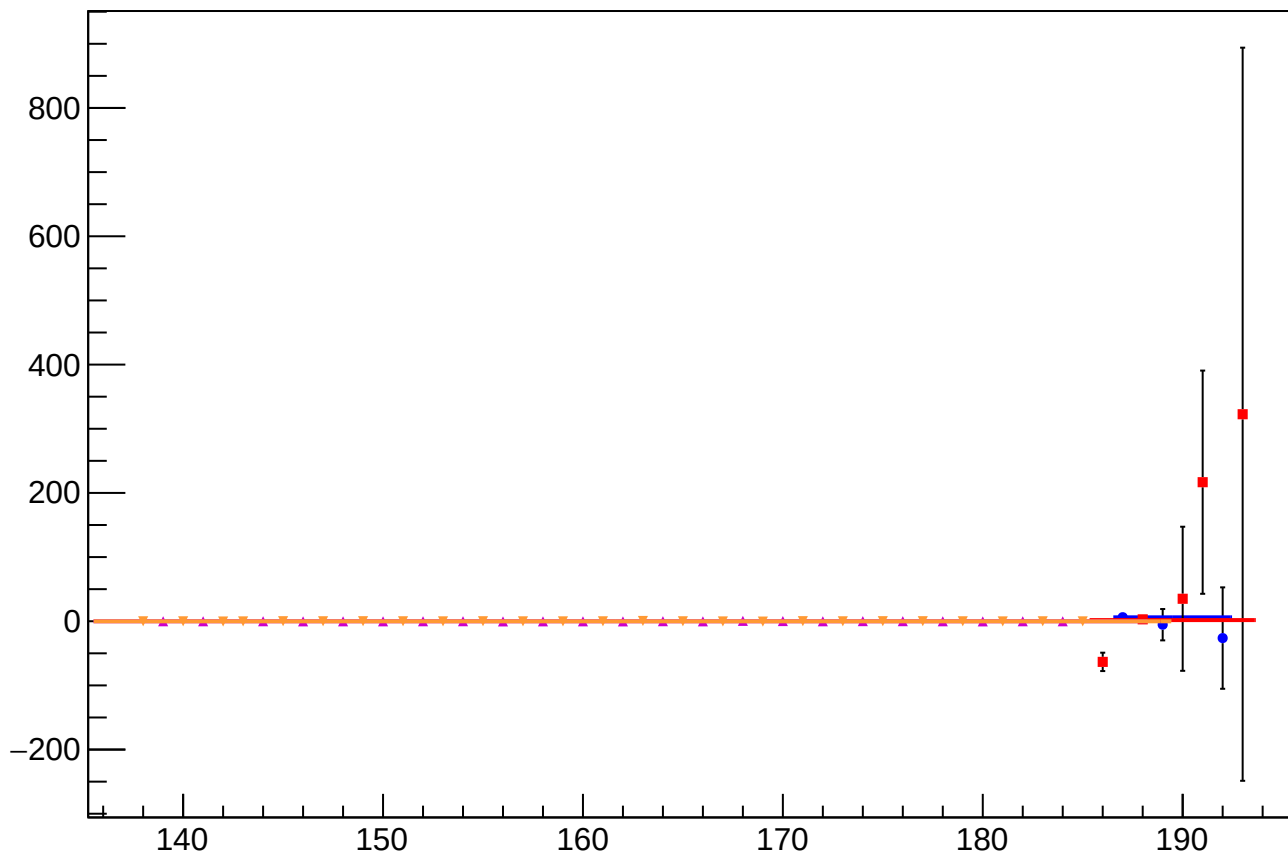
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.870 ± 0.014 $\chi^2/\text{NDF}: 111163.8/44$

All: -39.626 ± 0.010 $\chi^2/\text{NDF}: 193702.8/90$

- sign -39.380 ± 0.015 $\chi^2/\text{NDF}: 81965.3/45$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 6.084 ± 2.982 χ^2/NDF : 0.4/2

Left Out: -0.095 ± 0.022 χ^2/NDF : 41.8/24

Right Out: 1.795 ± 1.944 χ^2/NDF : 23.0/4

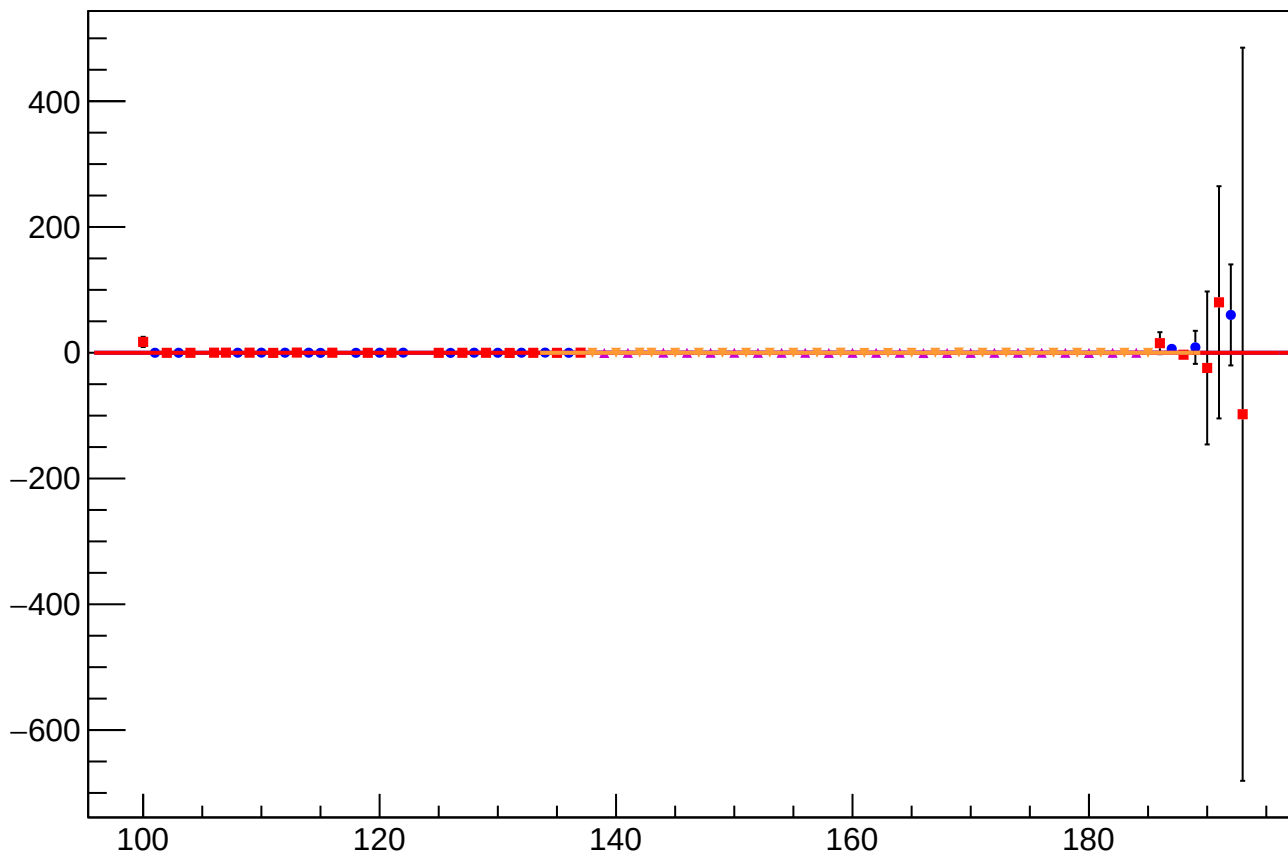
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.094 ± 0.022 χ^2/NDF : 46.5/27

All: -0.061 ± 0.016 χ^2/NDF : 108.6/55

- sign -0.025 ± 0.022 χ^2/NDF : 57.1/27

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 14.9/18

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.050 ± 0.029 χ^2/NDF : 27.5/22

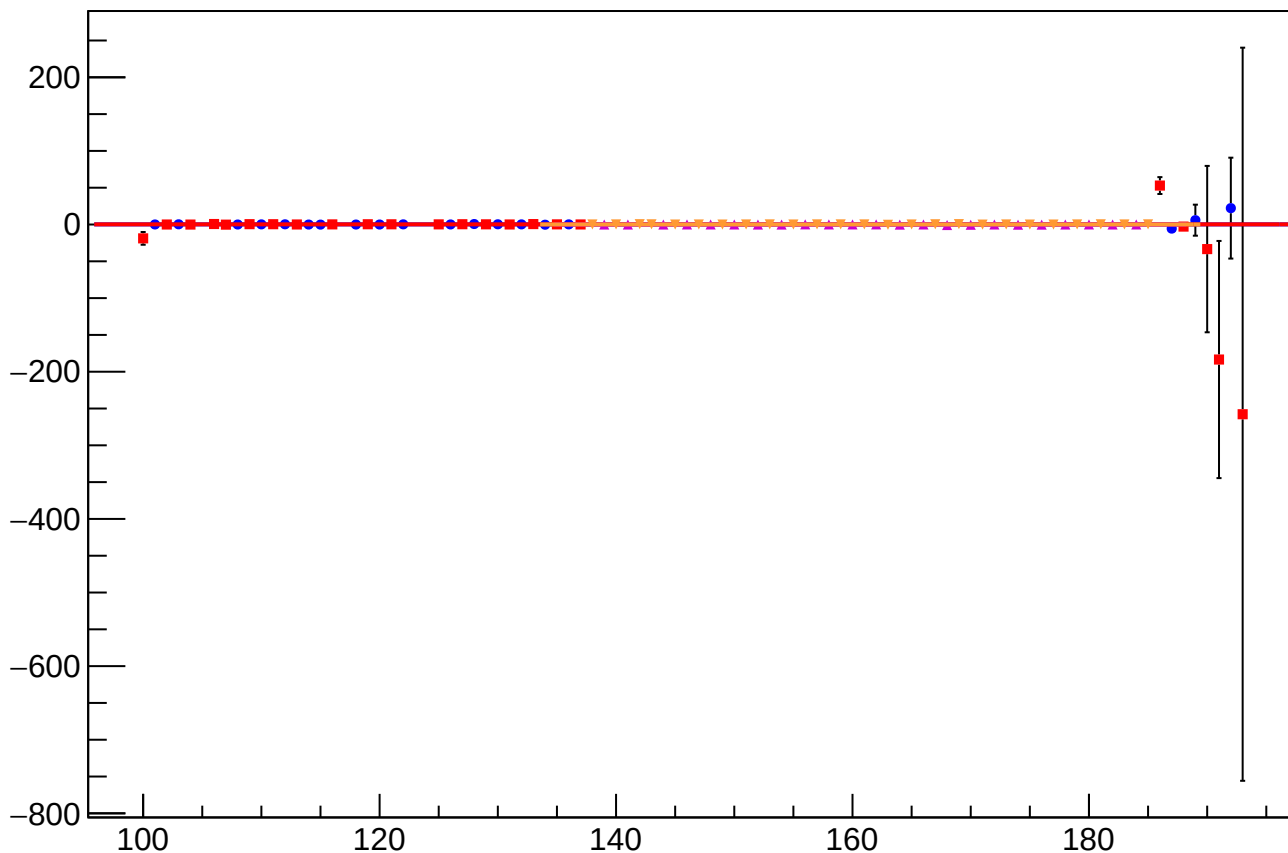
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 46.8/43

All: -0.055 ± 0.010 χ^2/NDF : 106.1/89

- sign -0.052 ± 0.015 χ^2/NDF : 59.2/45

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 18.0/18

Left Out: 0.088 ± 0.022 χ^2/NDF : 40.7/24

Right Out: 0.233 ± 0.054 χ^2/NDF : 48.0/22

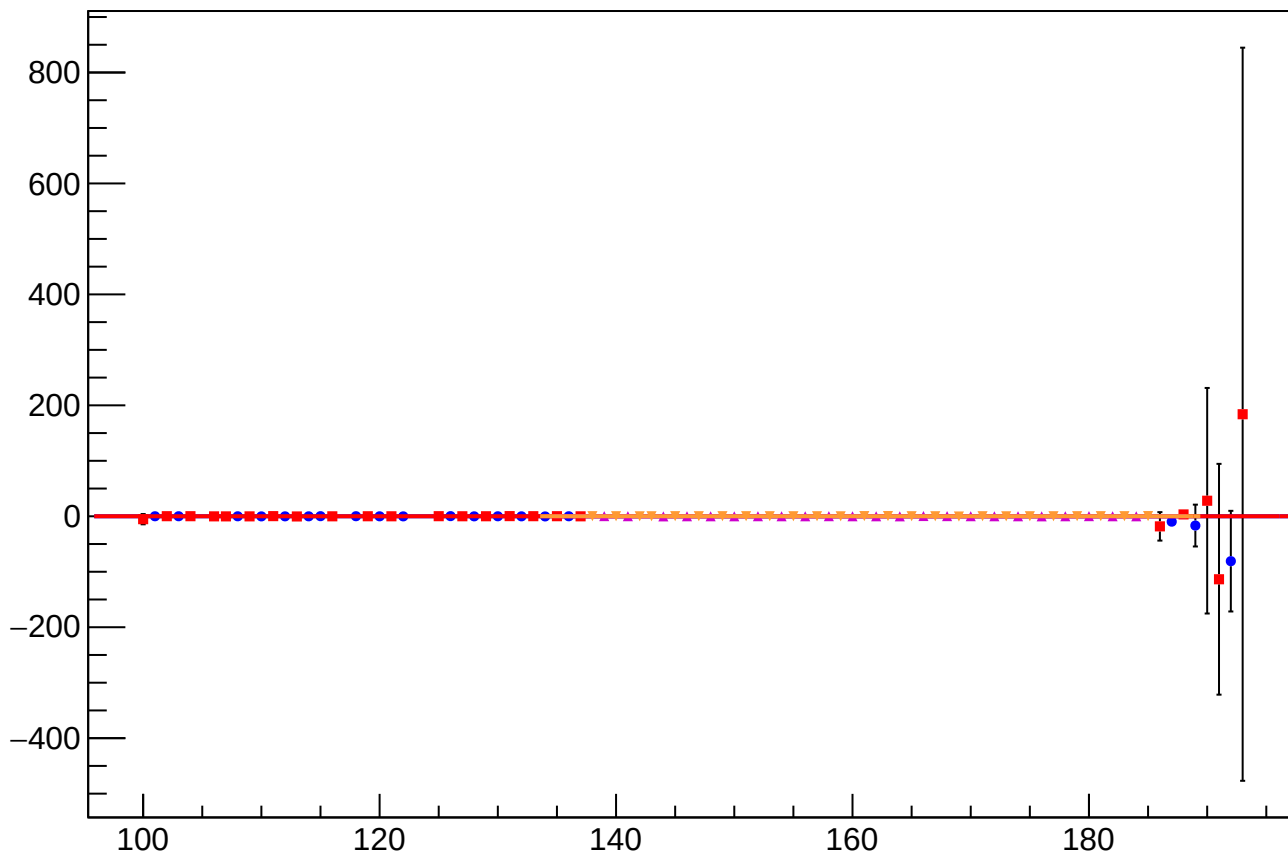
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.100 ± 0.020 χ^2/NDF : 60.9/43

All: 0.076 ± 0.014 χ^2/NDF : 160.7/89

- sign 0.051 ± 0.021 χ^2/NDF : 96.9/45

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 16.9/18

Left Out: 0.102 ± 0.019 χ^2/NDF : 30.2/24

Right Out: 0.057 ± 0.034 χ^2/NDF : 21.7/22

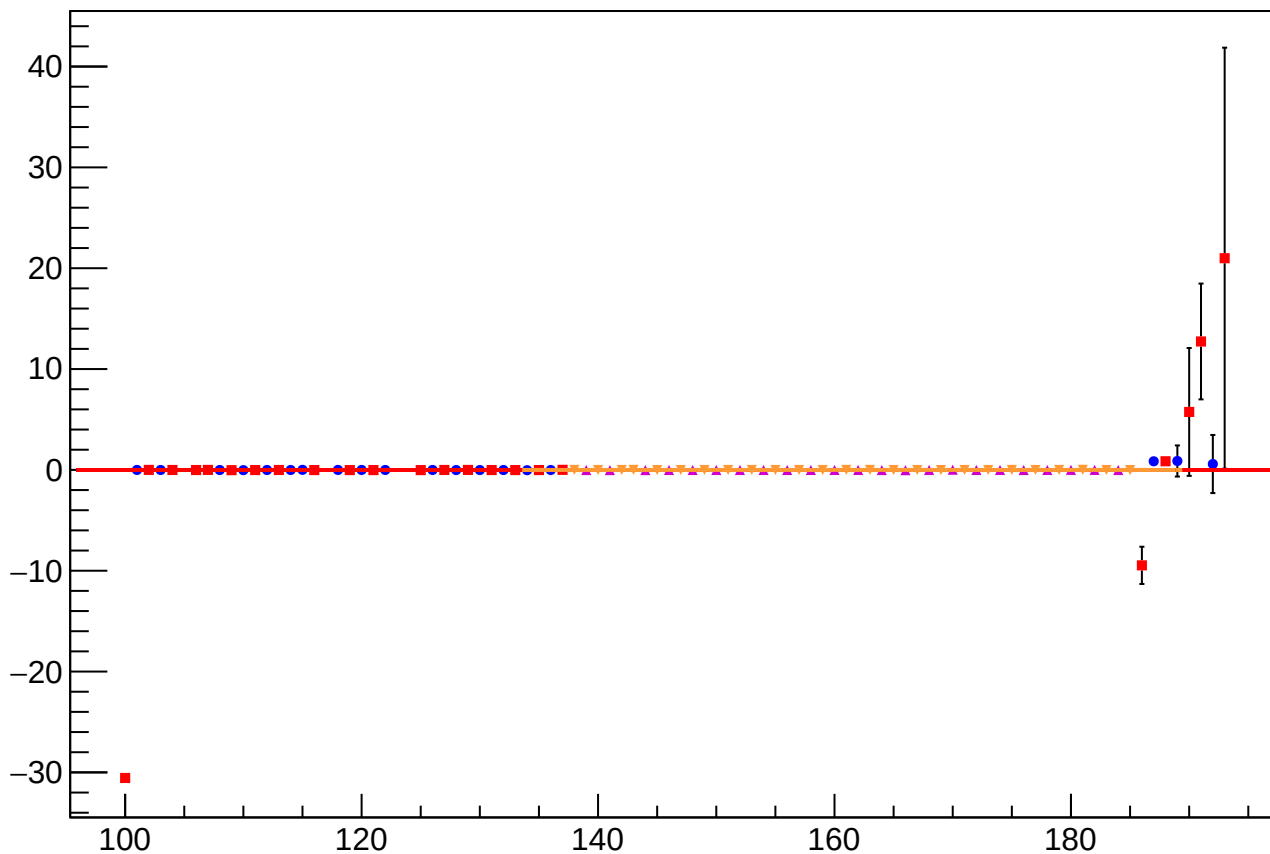
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.074 ± 0.017 χ^2/NDF : 55.2/43

All: 0.070 ± 0.012 χ^2/NDF : 108.5/89

- sign 0.066 ± 0.017 χ^2/NDF : 53.2/45

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 17.8/18

Left Out: -0.008 ± 0.001 χ^2/NDF : 34.7/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11936.7/22

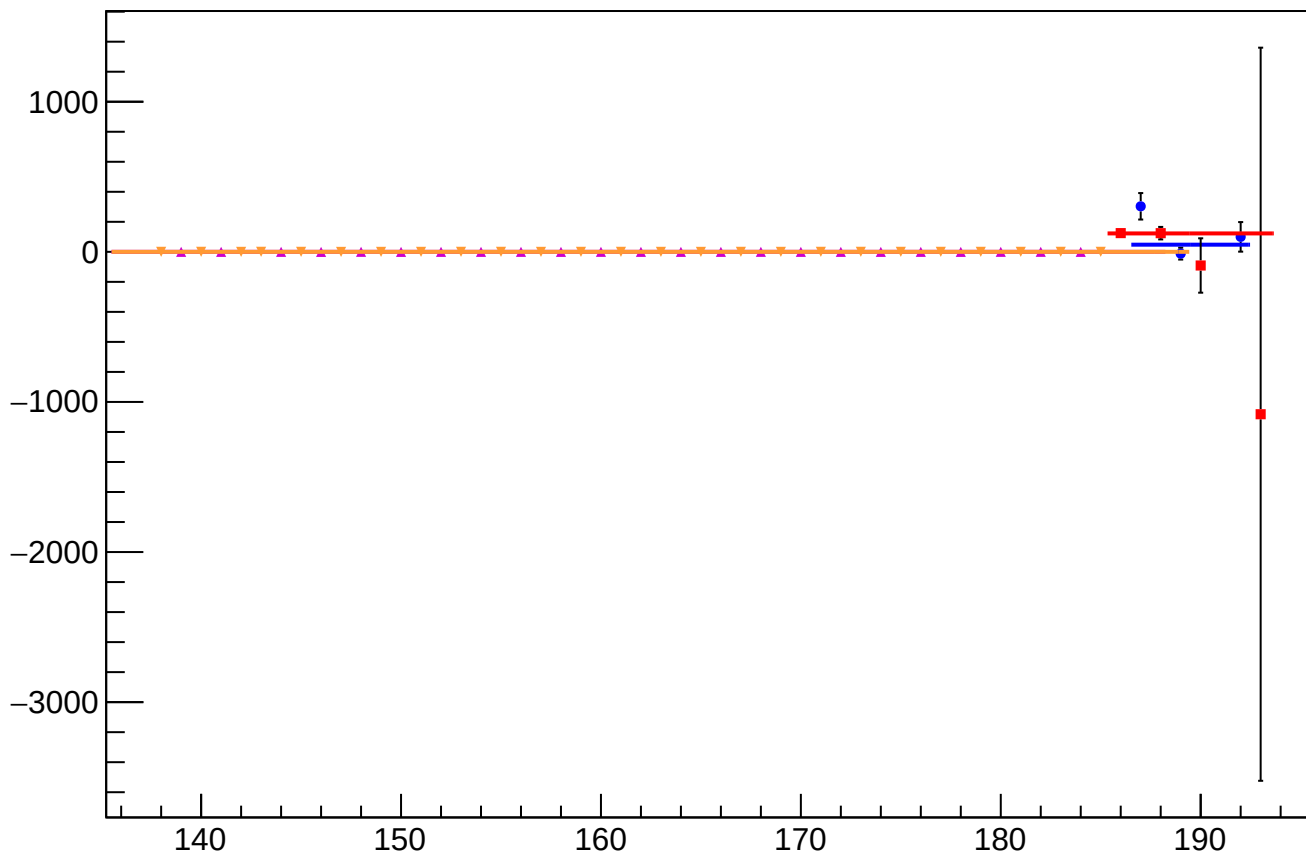
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.008 ± 0.001 χ^2/NDF : 57.0/43

All: -0.009 ± 0.001 χ^2/NDF : 12037.8/89

- sign -0.009 ± 0.001 χ^2/NDF : 11980.1/45

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 47.687 ± 33.835 $\chi^2/\text{NDF}: 11.0/2$

Left Out: 0.017 ± 0.027 $\chi^2/\text{NDF}: 30.9/24$

Right Out: 122.679 ± 17.073 $\chi^2/\text{NDF}: 1.6/3$

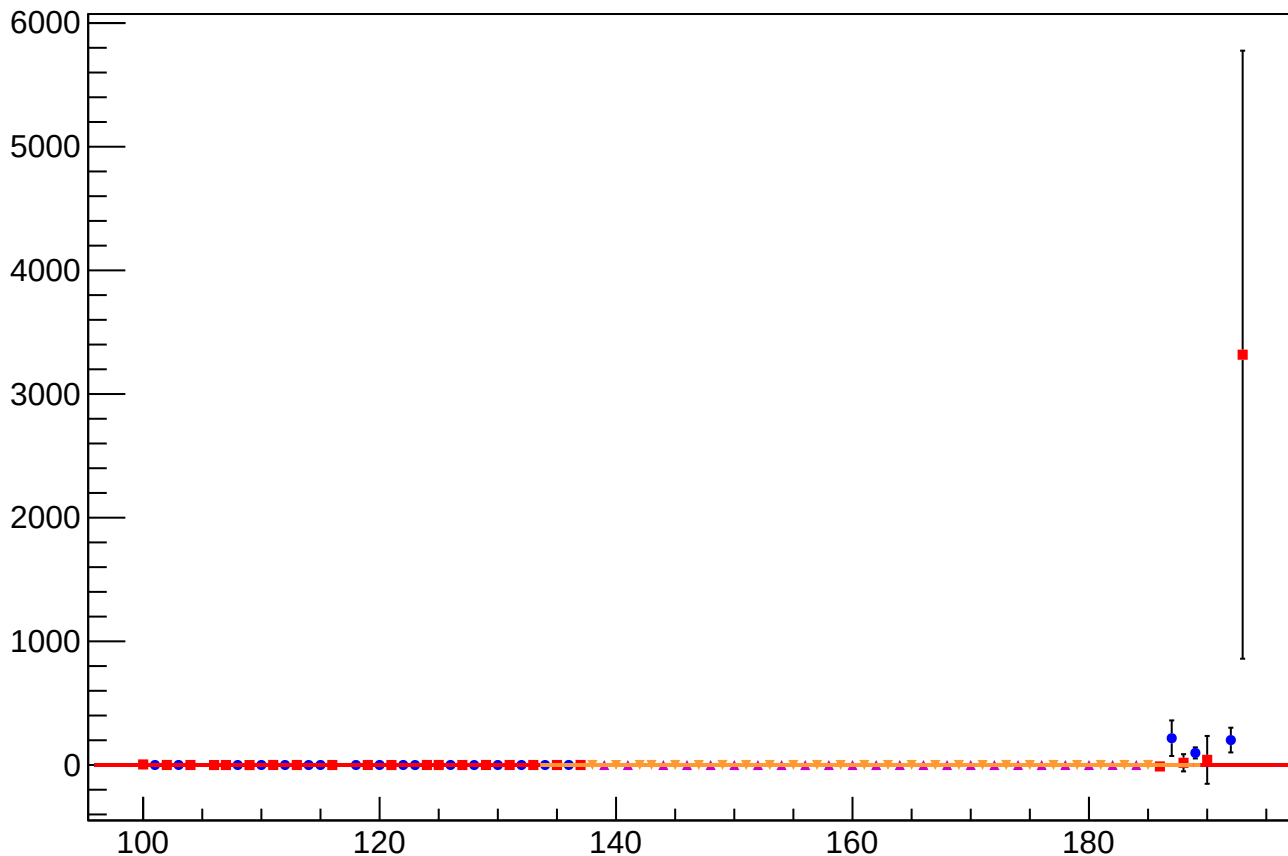
Left In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.018 ± 0.027 $\chi^2/\text{NDF}: 43.9/27$

All: 0.010 ± 0.019 $\chi^2/\text{NDF}: 126.3/54$

- sign 0.003 ± 0.028 $\chi^2/\text{NDF}: 82.3/26$

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 34.0/19

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 20.7/22

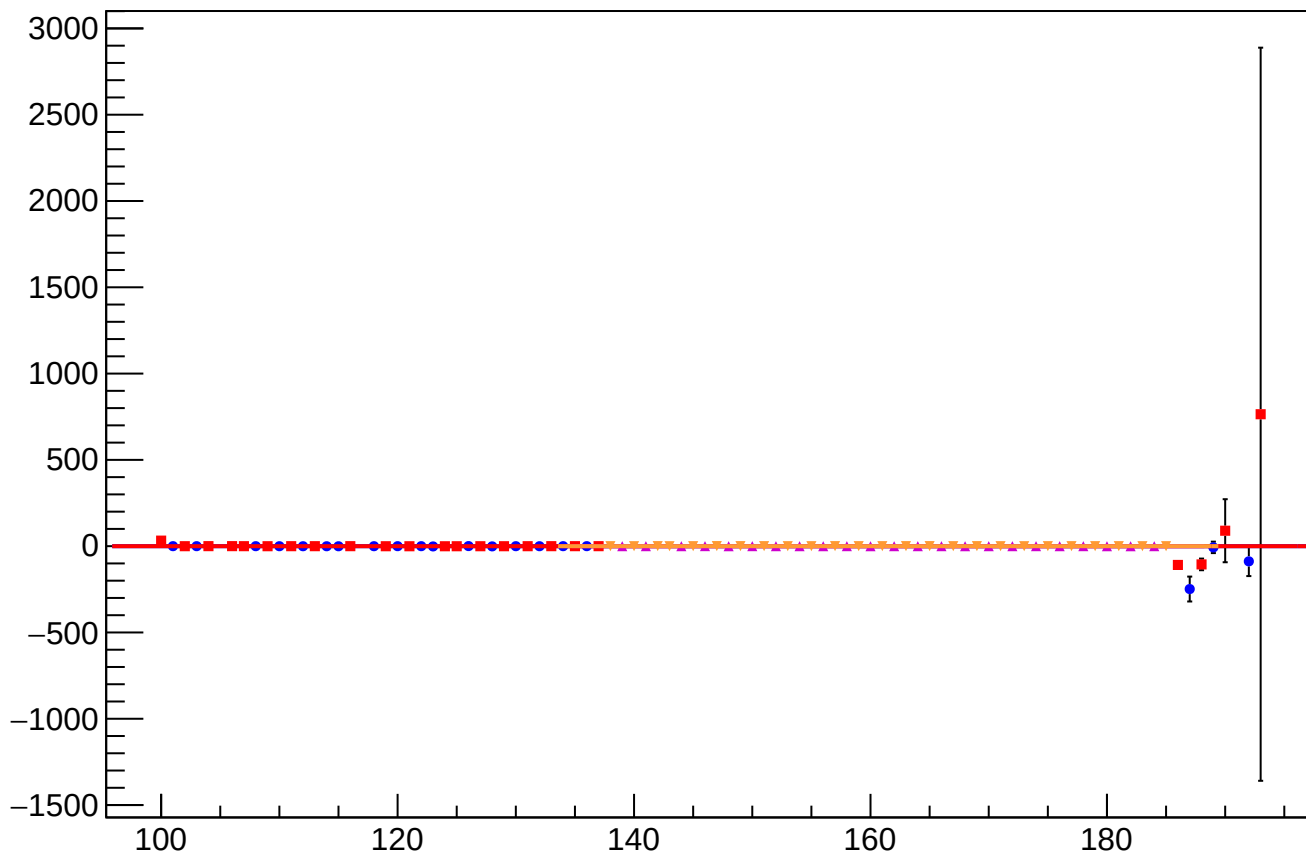
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 59.5/44

All: -0.066 ± 0.013 χ^2/NDF : 131.8/90

- sign -0.083 ± 0.019 χ^2/NDF : 70.8/45

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 37.7/19

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 76.2/22

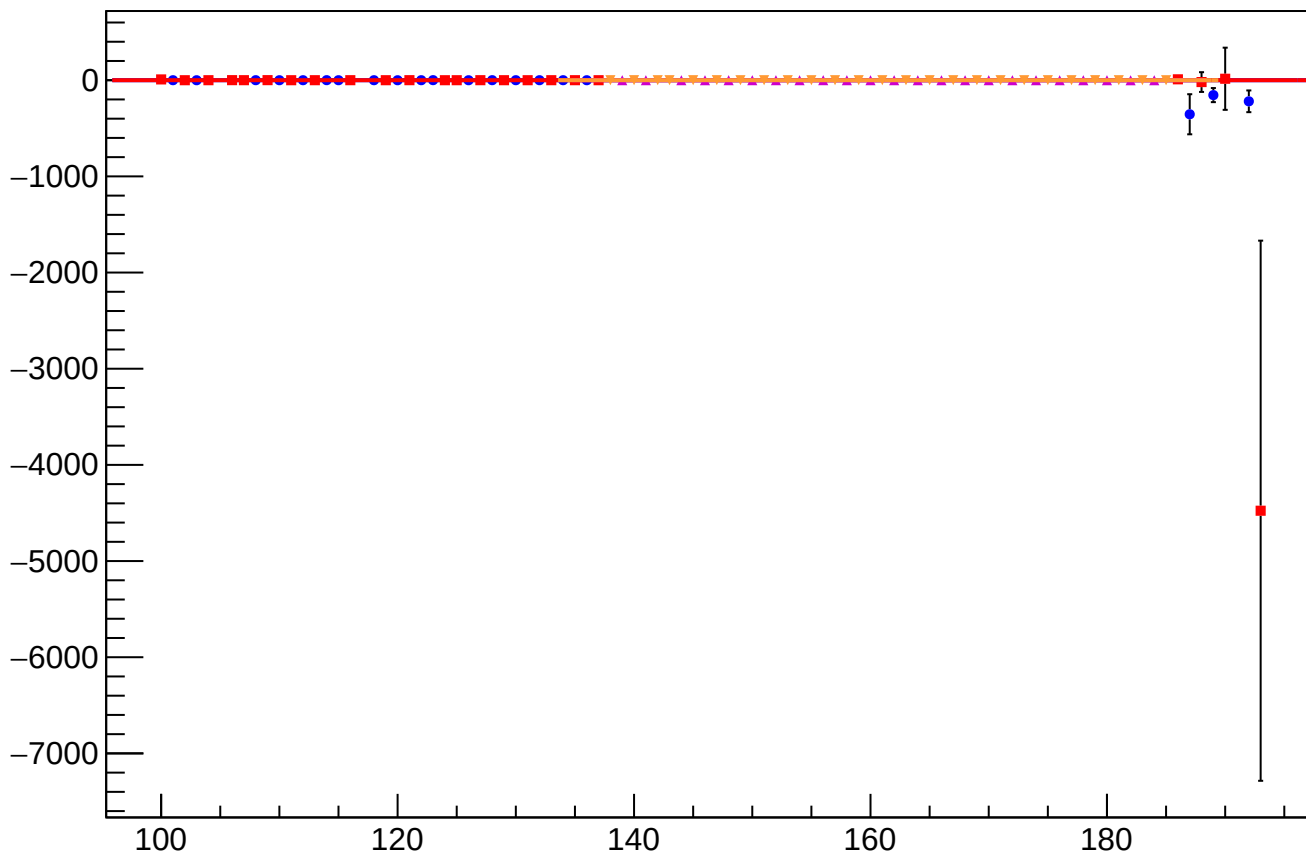
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 69.3/44

All: -0.042 ± 0.018 χ^2/NDF : 177.3/90

- sign -0.050 ± 0.026 χ^2/NDF : 107.8/45

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.043 χ^2/NDF : 32.7/19

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 19.5/22

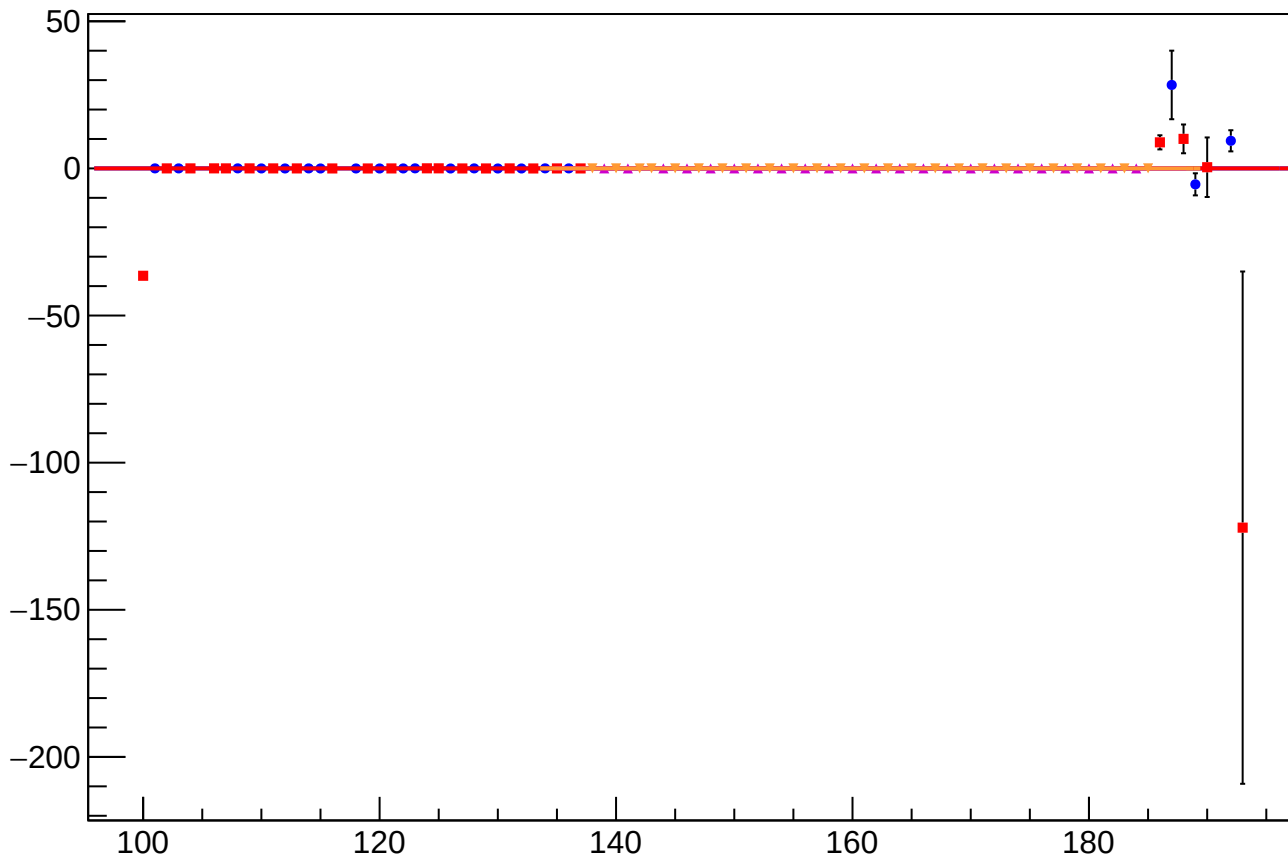
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 58.2/44

All: 0.069 ± 0.015 χ^2/NDF : 132.9/90

- sign 0.086 ± 0.022 χ^2/NDF : 73.4/45

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 45.3/19

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10468.9/22

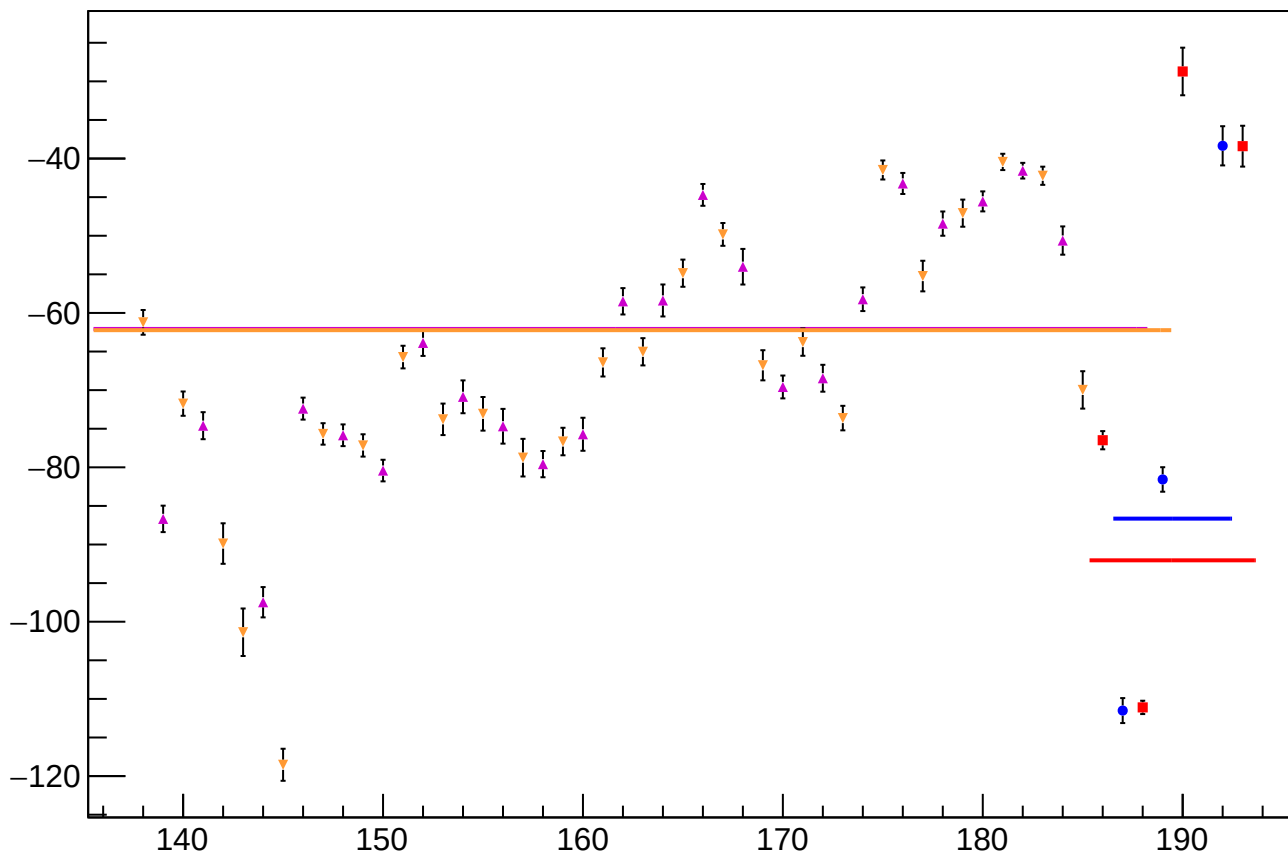
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 79.7/44

All: 0.007 ± 0.001 χ^2/NDF : 10574.1/90

- sign 0.007 ± 0.001 χ^2/NDF : 10494.3/45

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -86.645 ± 1.035 χ^2/NDF : 608.4/2

Left Out: -62.232 ± 0.332 χ^2/NDF : 2668.5/24

Right Out: -92.048 ± 0.658 χ^2/NDF : 1493.3/3

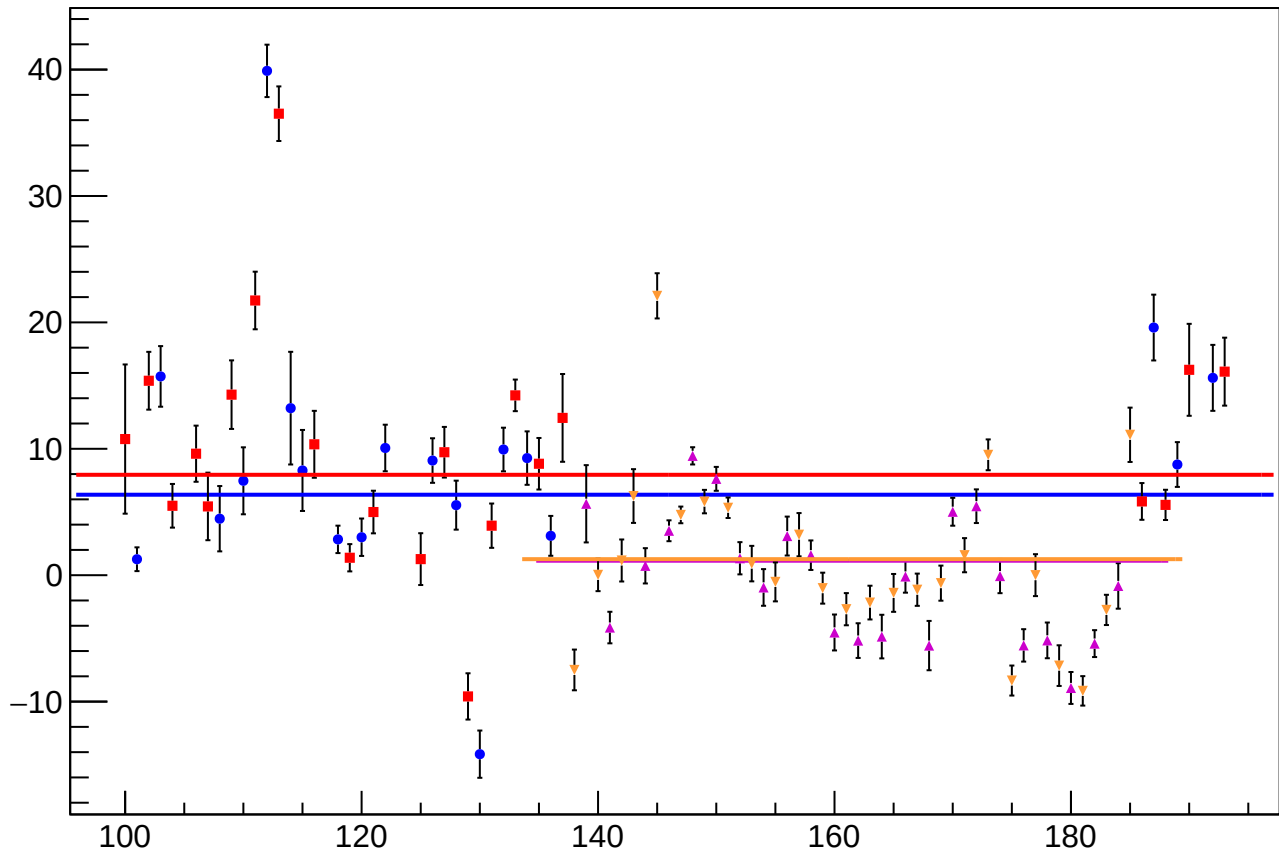
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -64.510 ± 0.316 χ^2/NDF : 3781.7/27

All: -66.451 ± 0.216 χ^2/NDF : 9190.1/54

- sign -68.161 ± 0.297 χ^2/NDF : 5337.5/26

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.367 $\pm$ 0.407 χ^2/NDF : 503.3/18

Left Out: 1.269 $\pm$ 0.251 χ^2/NDF : 531.9/24

Right Out: 7.943 $\pm$ 0.400 χ^2/NDF : 428.3/21

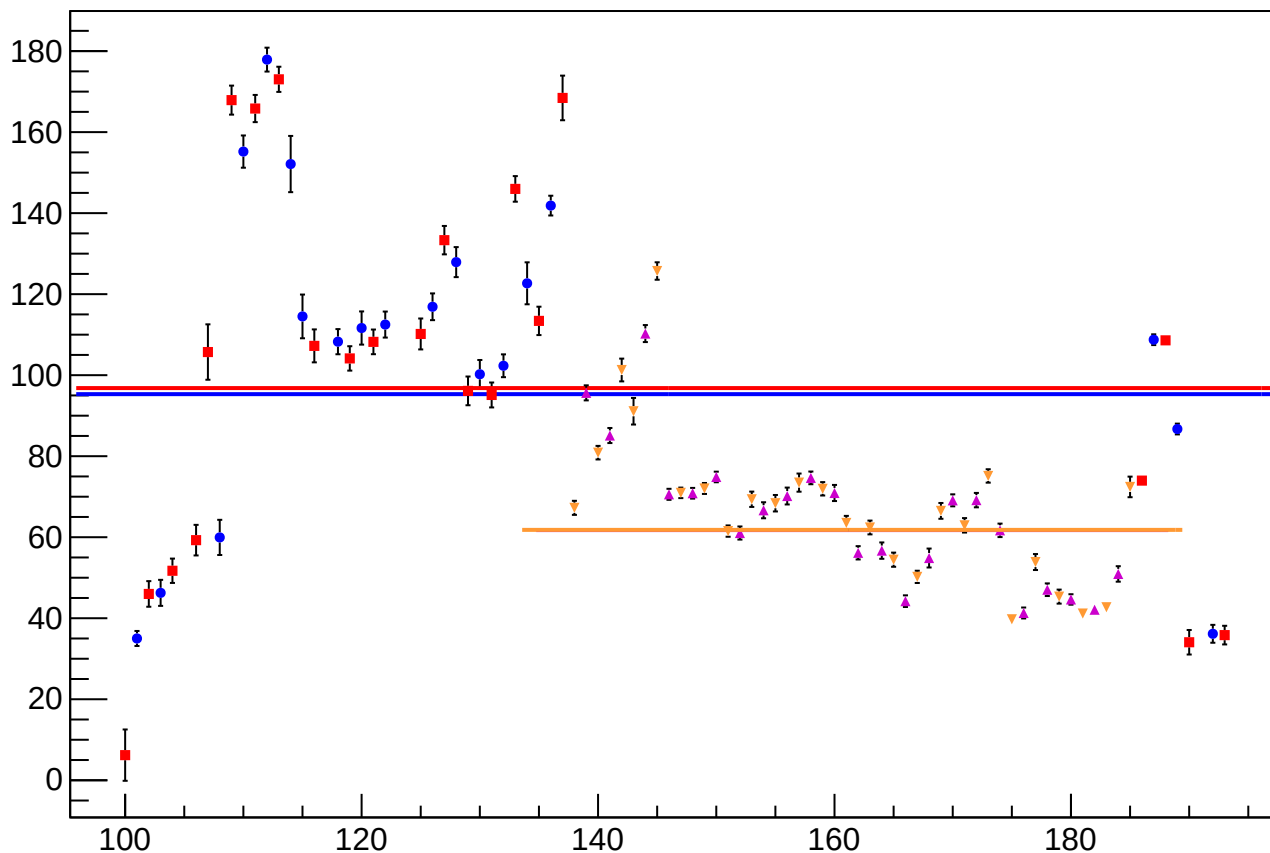
Left In: 1.146 $\pm$ 0.255 χ^2/NDF : 462.9/22

+ sign 2.670 $\pm$ 0.214 χ^2/NDF : 1148.8/43

All: 2.891 $\pm$ 0.152 χ^2/NDF : 2247.4/88

- sign 3.115 $\pm$ 0.215 χ^2/NDF : 1096.5/44

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 95.317 $\pm$ 0.593 χ^2 /NDF: 3893.1/18

Left Out: 61.812 $\pm$ 0.331 χ^2 /NDF: 2686.4/24

Right Out: 96.815 $\pm$ 0.451 χ^2 /NDF: 4796.4/21

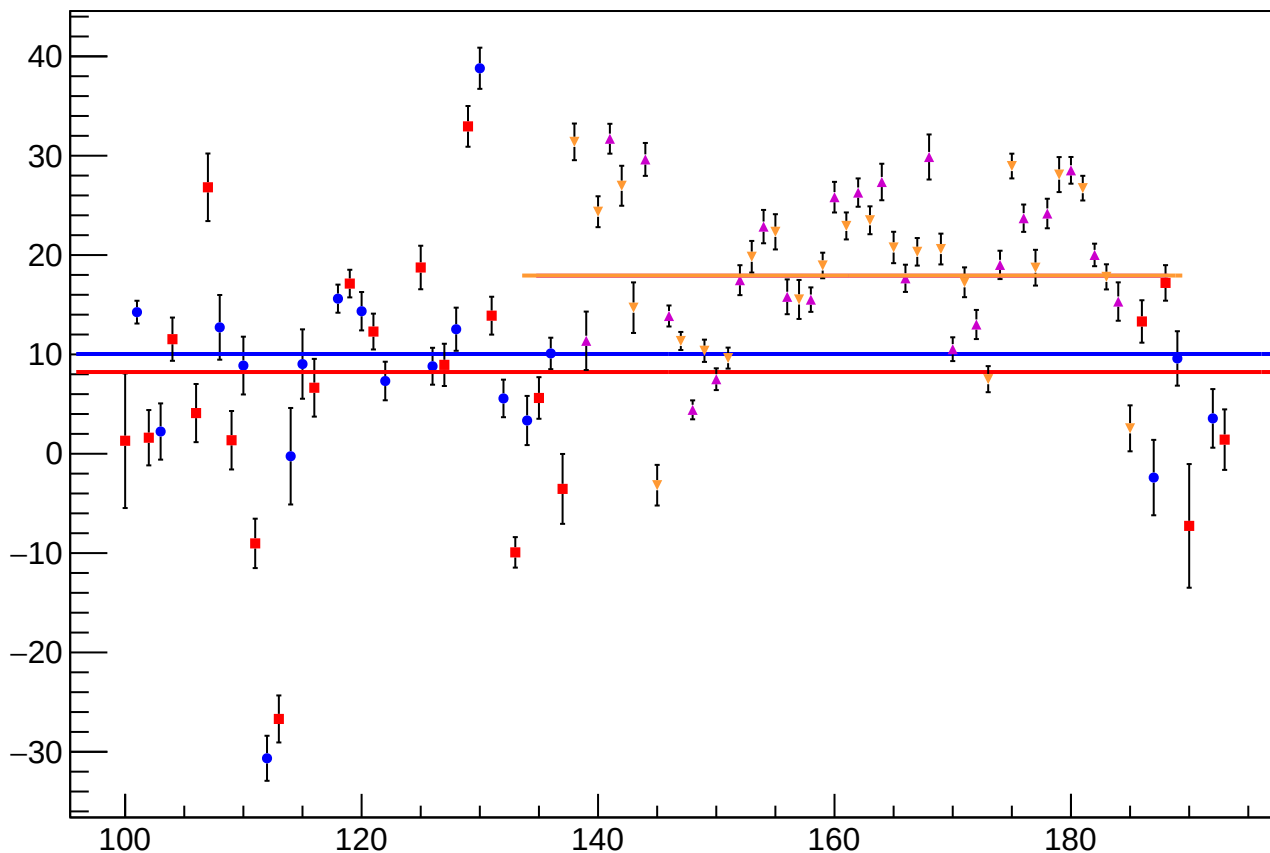
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 69.762 $\pm$ 0.289 χ^2 /NDF: 9016.1/43

All: 72.053 $\pm$ 0.196 χ^2 /NDF: 20286.9/88

- sign 73.999 $\pm$ 0.266 χ^2 /NDF: 11154.4/44

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.041 ± 0.480 $\chi^2/\text{NDF}: 594.2/18$

Left Out: 17.937 ± 0.289 $\chi^2/\text{NDF}: 676.0/24$

Right Out: 8.226 ± 0.482 $\chi^2/\text{NDF}: 730.7/21$

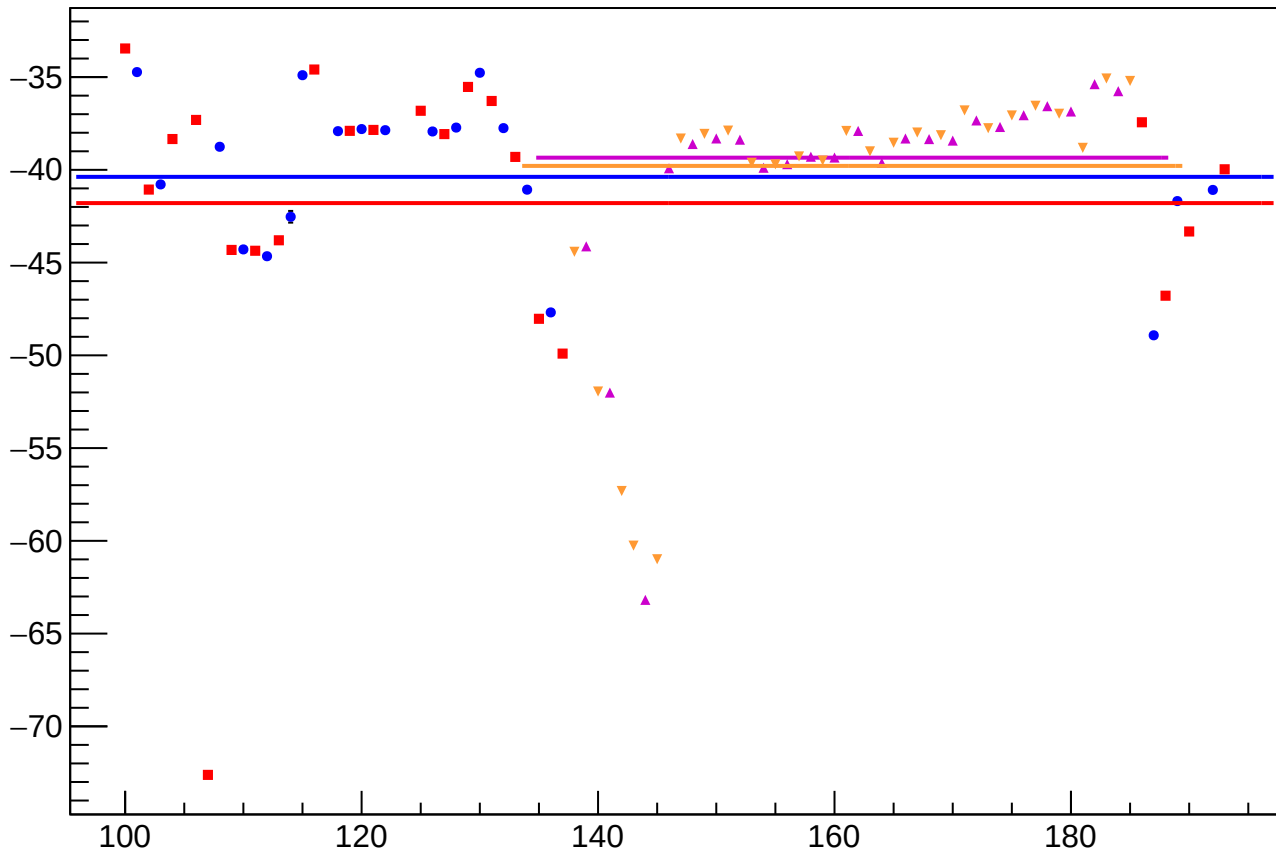
Left In: 17.916 ± 0.292 $\chi^2/\text{NDF}: 726.5/22$

+ sign 15.835 ± 0.248 $\chi^2/\text{NDF}: 1469.1/43$

All: 15.575 ± 0.176 $\chi^2/\text{NDF}: 3224.0/88$

- sign 15.310 ± 0.250 $\chi^2/\text{NDF}: 1752.7/44$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.378 ± 0.026 $\chi^2/\text{NDF}: 26901.1/18$

Left Out: -39.788 ± 0.014 $\chi^2/\text{NDF}: 165493.8/24$

Right Out: -41.793 ± 0.026 $\chi^2/\text{NDF}: 65918.1/21$

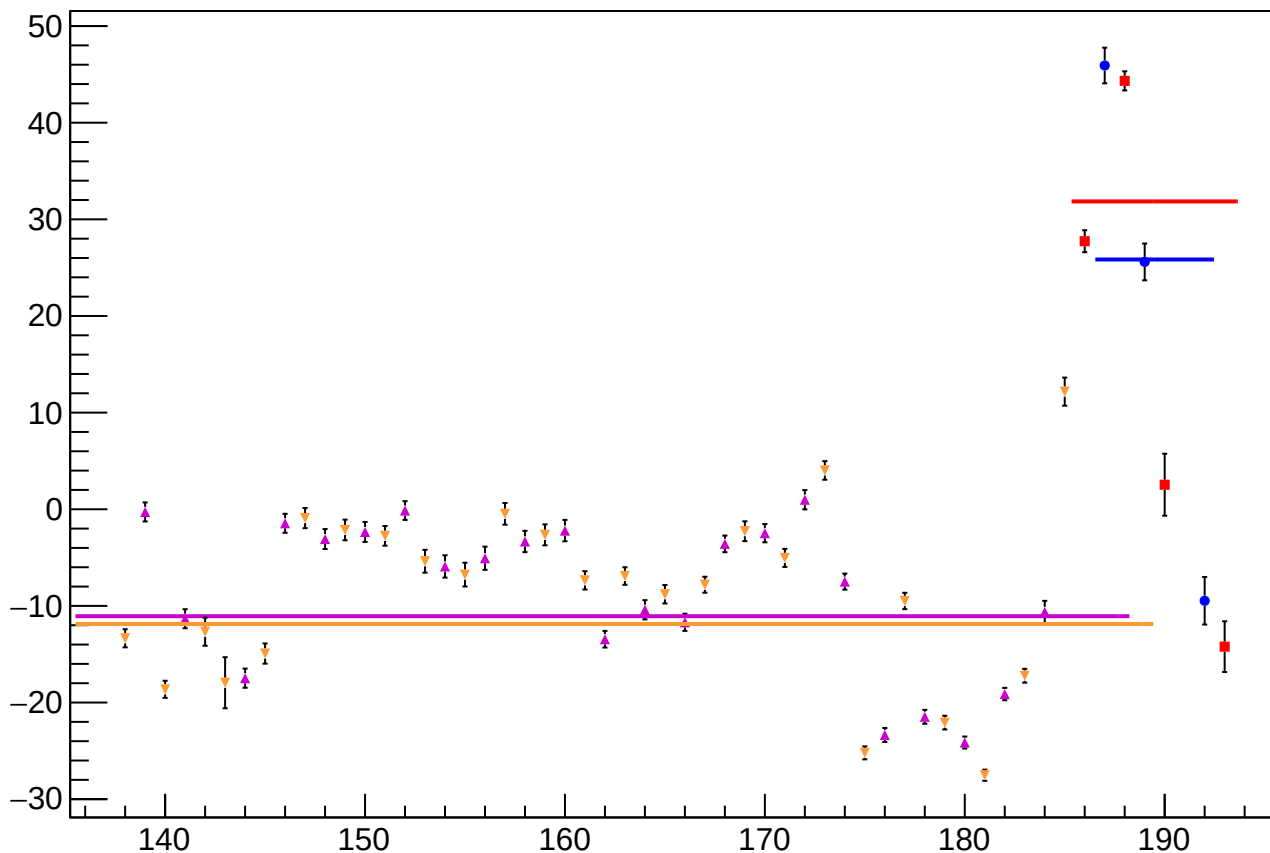
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.913 ± 0.012 $\chi^2/\text{NDF}: 192791.4/43$

All: -39.897 ± 0.009 $\chi^2/\text{NDF}: 382439.4/88$

- sign -39.881 ± 0.012 $\chi^2/\text{NDF}: 189644.4/44$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 25.847 ± 1.167 $\chi^2/\text{NDF}: 324.2/2$

Left Out: -11.873 ± 0.186 $\chi^2/\text{NDF}: 2745.2/24$

Right Out: 31.853 ± 0.700 $\chi^2/\text{NDF}: 563.3/3$

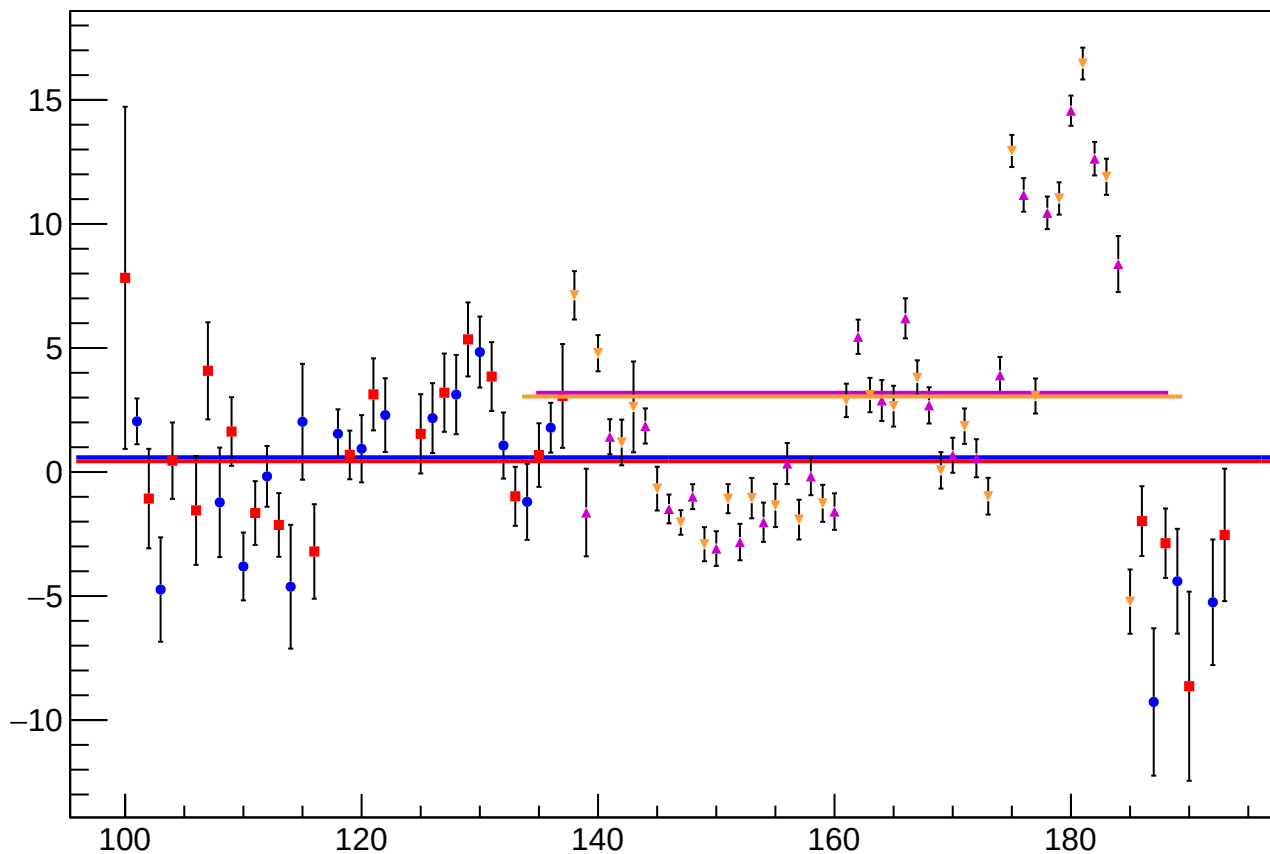
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -10.935 ± 0.184 $\chi^2/\text{NDF}: 4087.9/27$

All: -9.540 ± 0.129 $\chi^2/\text{NDF}: 10373.2/54$

- sign -8.182 ± 0.182 $\chi^2/\text{NDF}: 6171.9/26$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.595 ± 0.333 χ^2/NDF : 64.7/18

Left Out: 3.044 ± 0.147 χ^2/NDF : 1457.3/24

Right Out: 0.435 ± 0.329 χ^2/NDF : 59.4/21

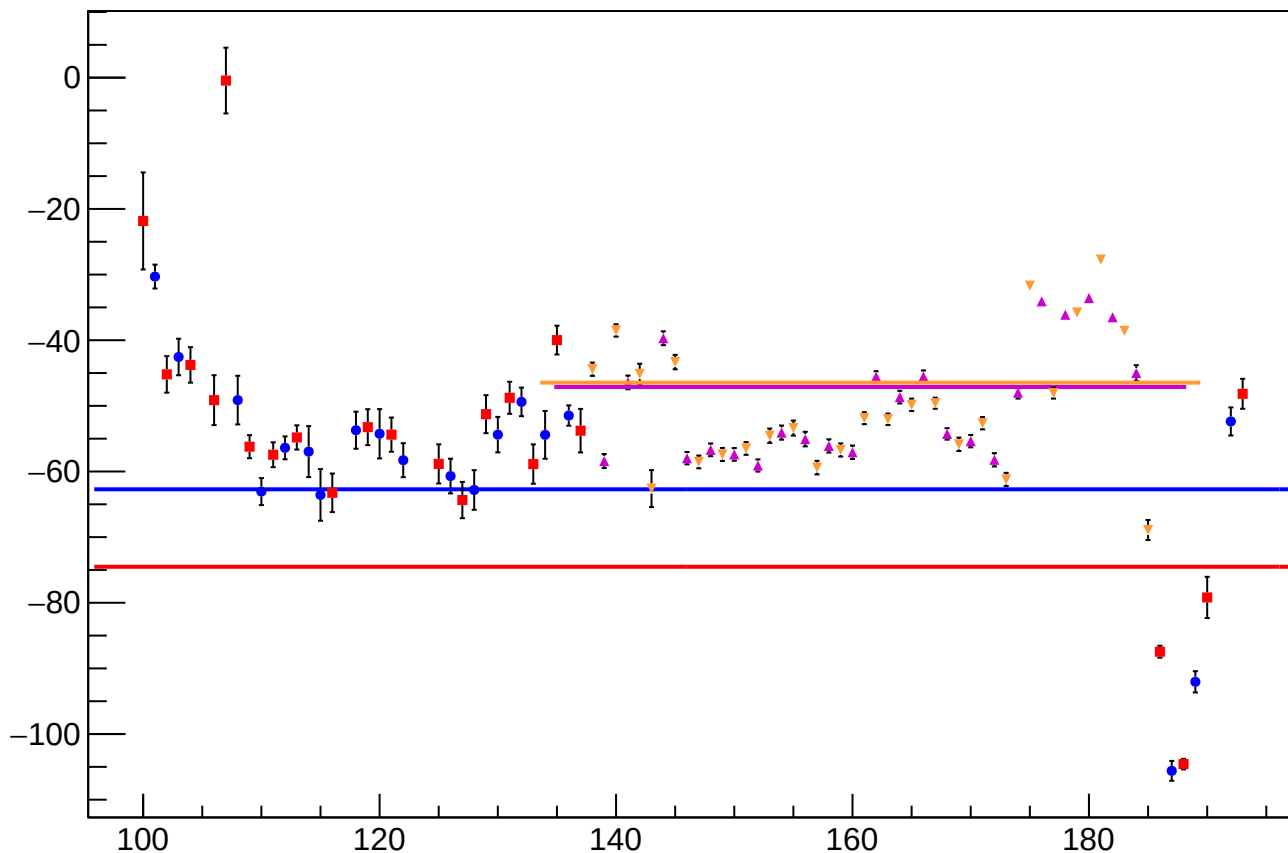
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.642 ± 0.135 χ^2/NDF : 1567.3/43

All: 2.681 ± 0.096 χ^2/NDF : 2980.0/88

- sign 2.720 ± 0.136 χ^2/NDF : 1412.5/44

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -62.715 $\pm$ 0.522 χ^2/NDF : 1675.5/18

Left Out: -46.463 $\pm$ 0.186 χ^2/NDF : 3319.7/24

Right Out: -74.515 $\pm$ 0.419 χ^2/NDF : 3281.5/21

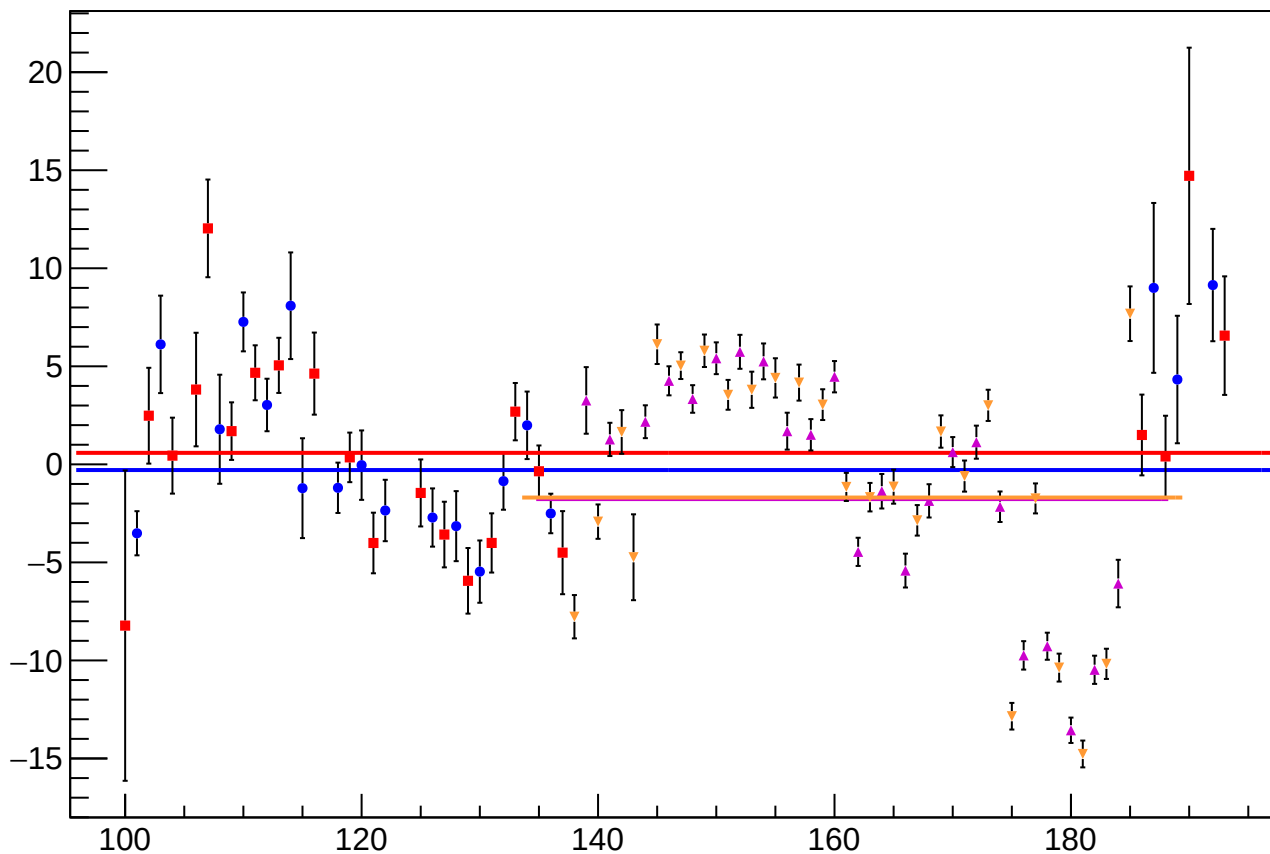
Left In: -47.128 $\pm$ 0.187 χ^2/NDF : 2516.0/22

+ sign -48.299 $\pm$ 0.175 χ^2/NDF : 5855.9/43

All: -50.035 $\pm$ 0.122 χ^2/NDF : 15406.7/88

- sign -51.685 $\pm$ 0.171 χ^2/NDF : 9359.6/44

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.290 ± 0.380 χ^2/NDF : 98.8/18

Left Out: -1.693 ± 0.167 χ^2/NDF : 1485.7/24

Right Out: 0.586 ± 0.382 χ^2/NDF : 105.2/21

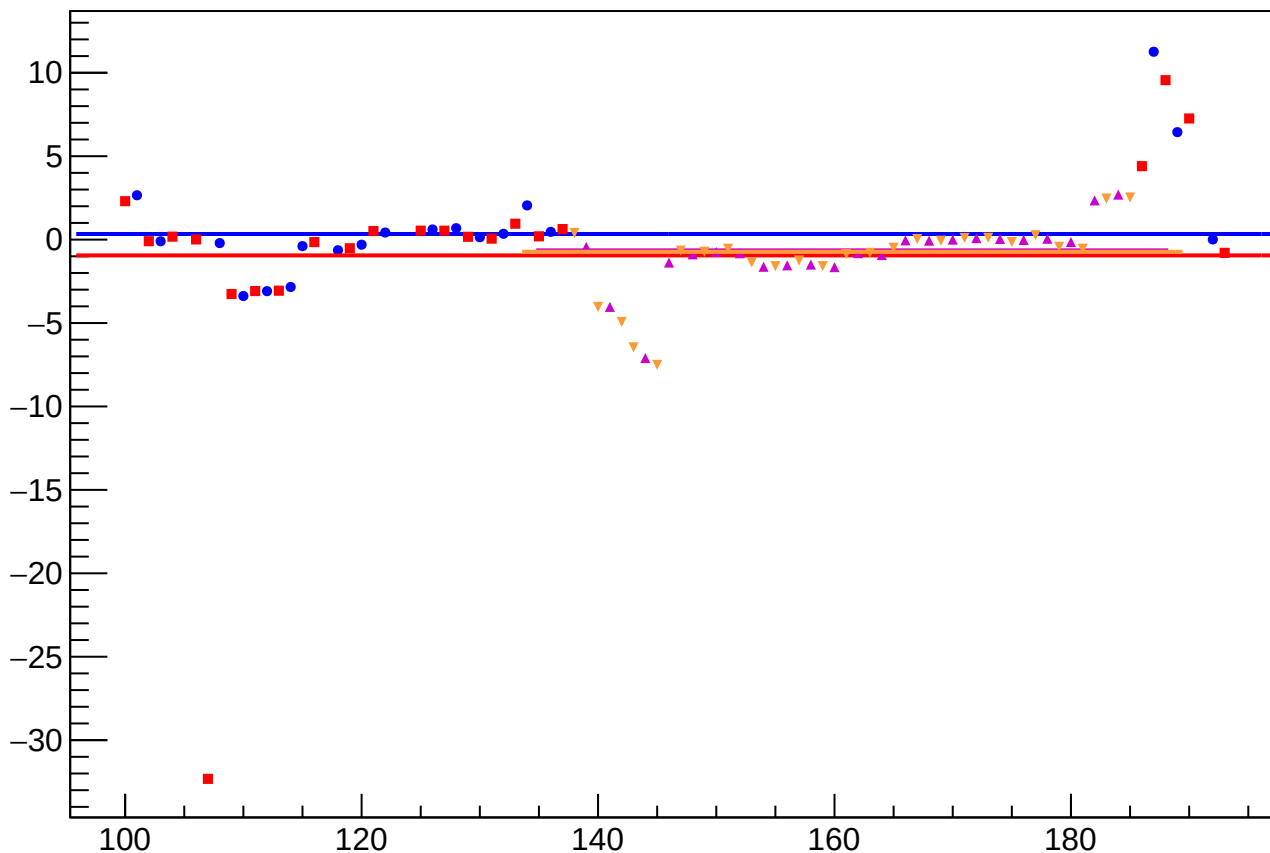
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.467 ± 0.153 χ^2/NDF : 1596.0/43

All: -1.427 ± 0.109 χ^2/NDF : 2984.3/88

- sign -1.386 ± 0.155 χ^2/NDF : 1388.2/44

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.337 ± 0.021 χ^2/NDF : 9105.1/18

Left Out: -0.728 ± 0.008 χ^2/NDF : 56403.8/24

Right Out: -0.946 ± 0.021 χ^2/NDF : 92232.1/21

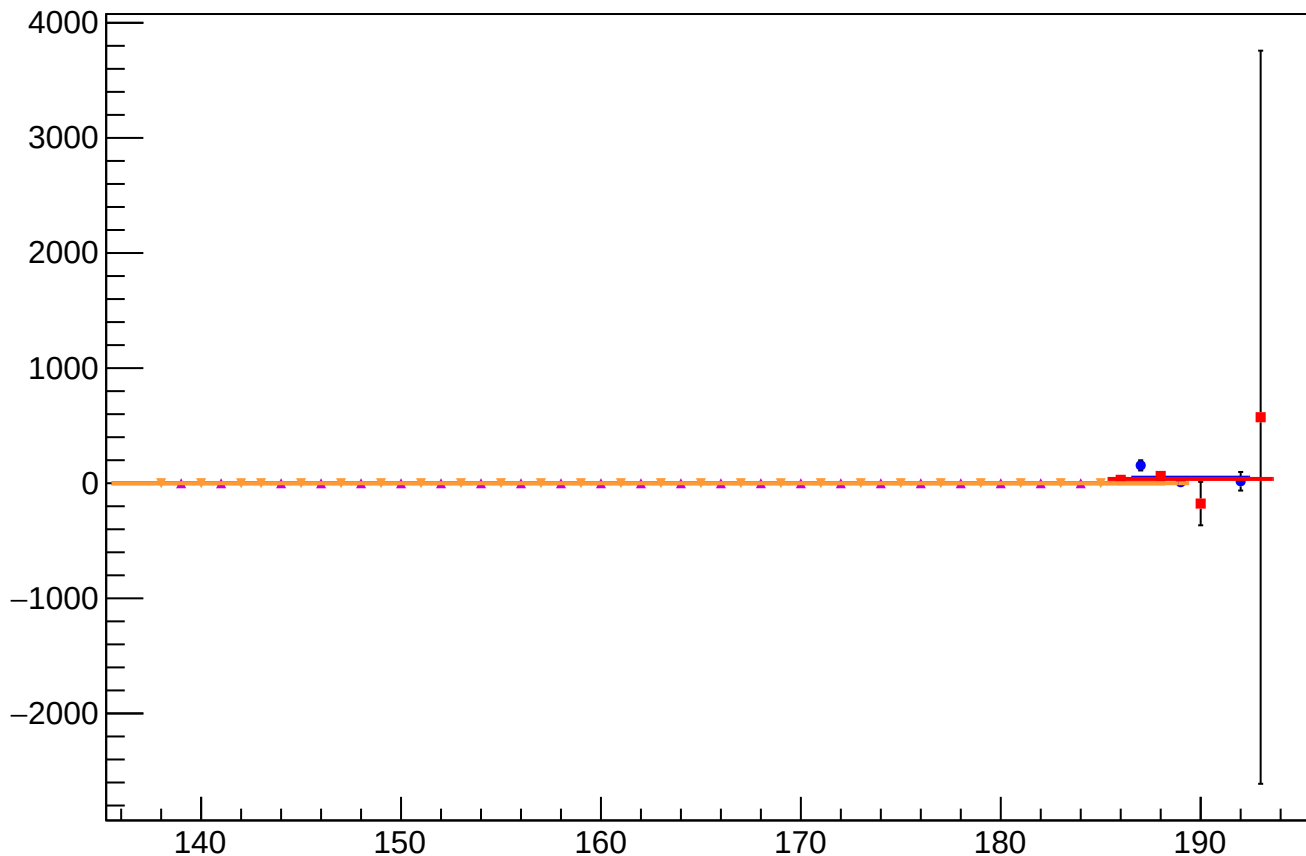
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.601 ± 0.007 χ^2/NDF : 67838.8/43

All: -0.641 ± 0.005 χ^2/NDF : 204492.3/88

- sign -0.681 ± 0.007 χ^2/NDF : 136590.9/44

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 48.273 $\pm$ 22.731 χ^2 /NDF: 8.0/2

Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF: 35.6/24

Right Out: 37.402 $\pm$ 10.447 χ^2 /NDF: 3.3/3

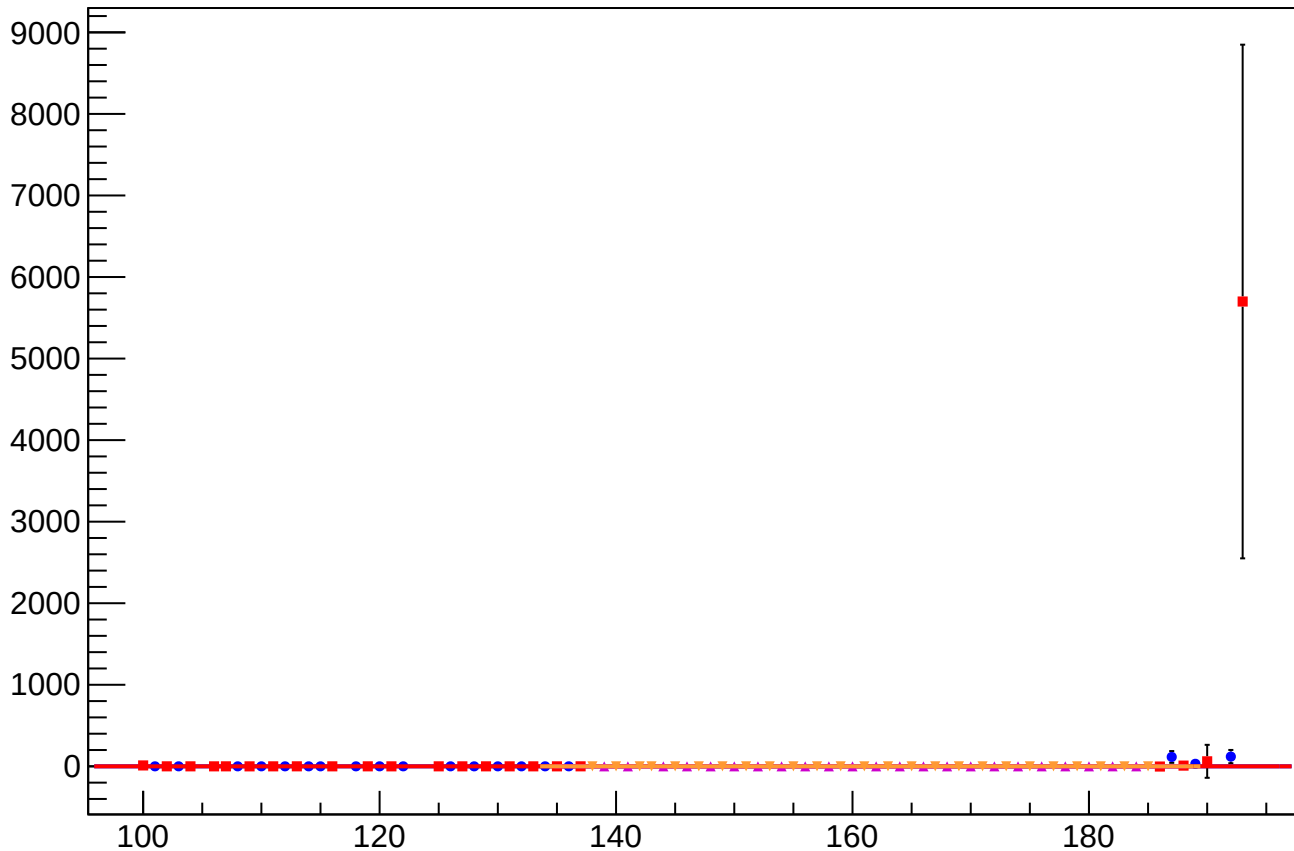
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign -0.036 $\pm$ 0.018 χ^2 /NDF: 48.1/27

All: -0.023 $\pm$ 0.013 χ^2 /NDF: 100.4/54

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 51.2/26

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 17.7/18

Left Out: -0.071 $\pm$ 0.014 χ^2 /NDF: 28.3/24

Right Out: -0.088 $\pm$ 0.025 χ^2 /NDF: 16.4/21

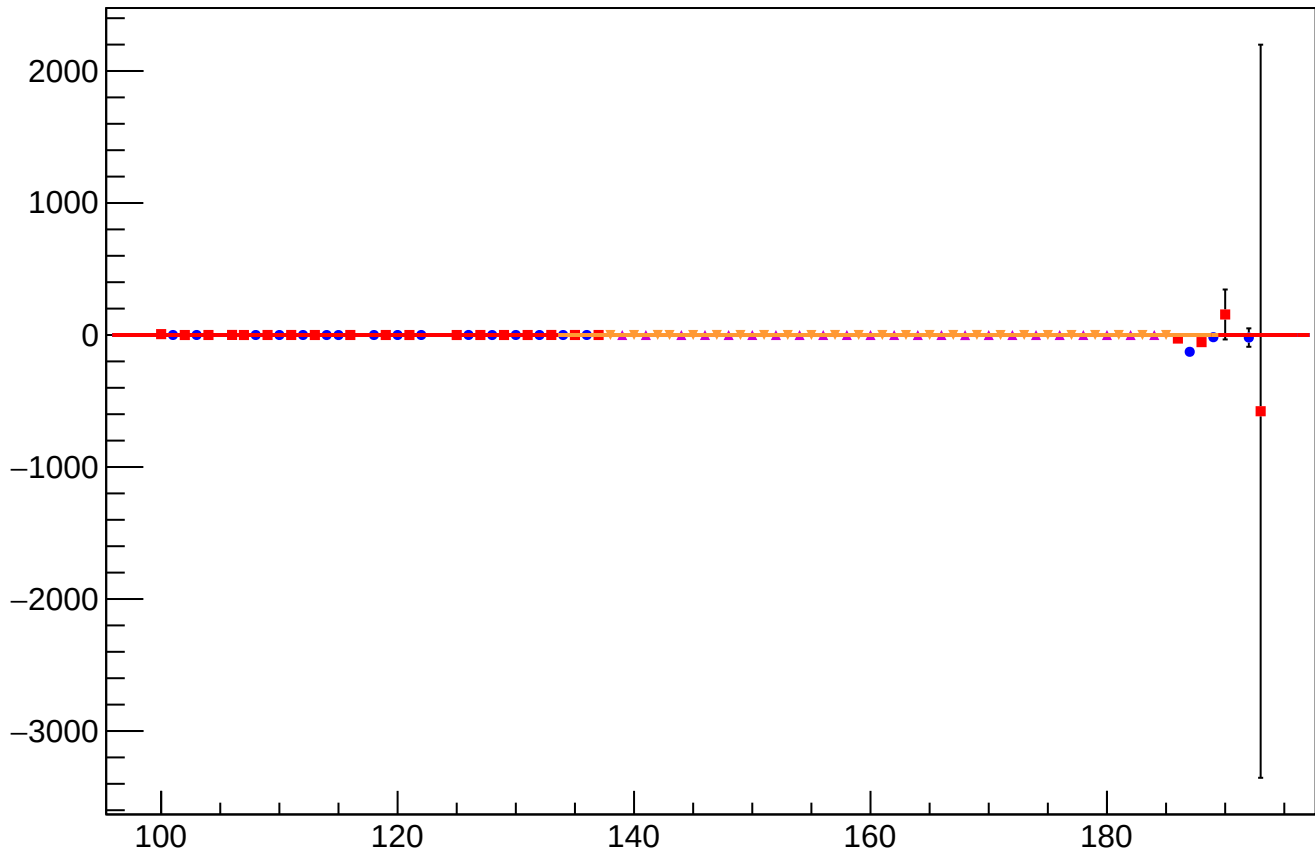
Left In: -0.064 $\pm$ 0.014 χ^2 /NDF: 41.1/22

+ sign -0.056 $\pm$ 0.012 χ^2 /NDF: 50.4/43

All: -0.063 $\pm$ 0.009 χ^2 /NDF: 109.2/88

- sign -0.070 $\pm$ 0.012 χ^2 /NDF: 58.2/44

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 22.1/18

Left Out: 0.033 $\pm$ 0.018 χ^2 /NDF:32.6/24

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 27.7/21

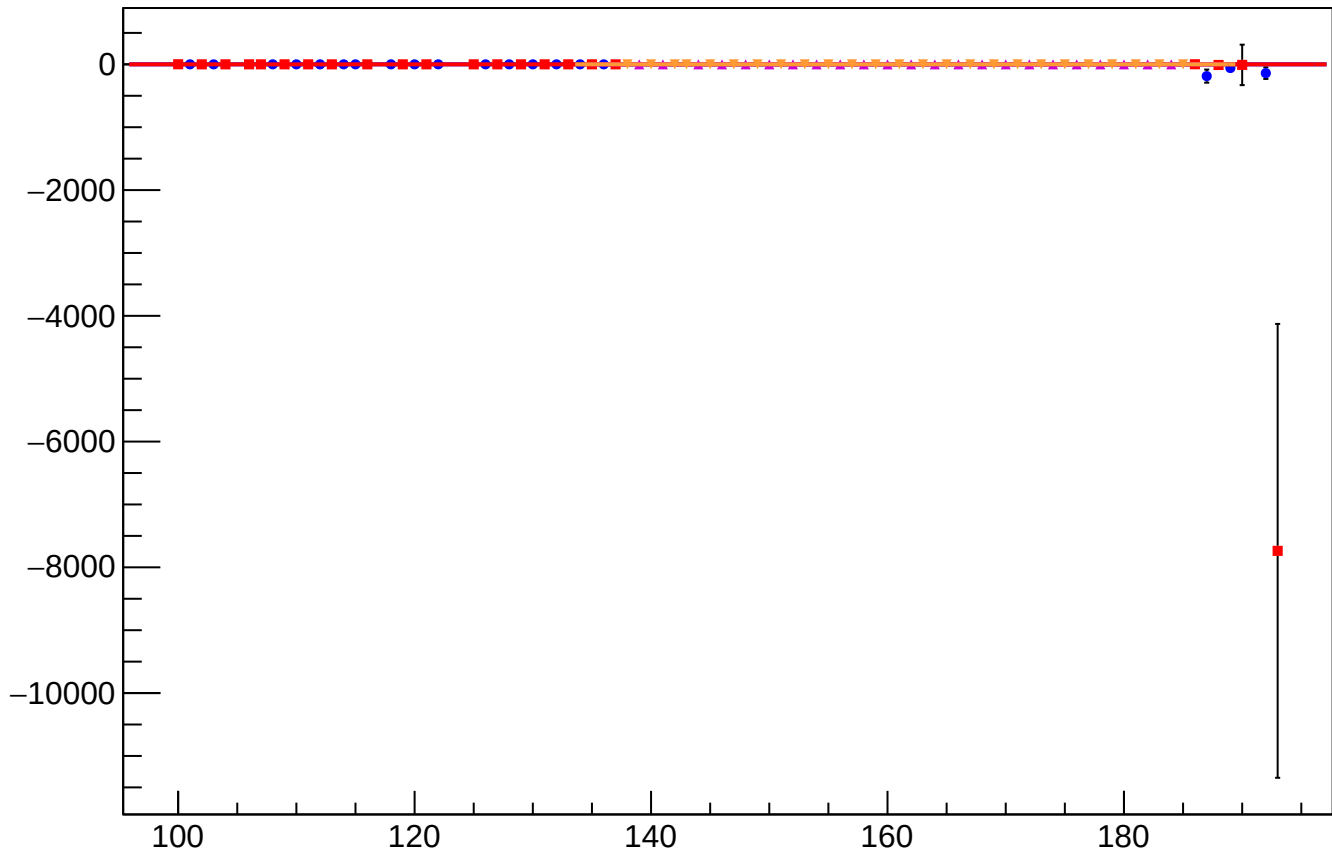
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.031 $\pm$ 0.016 χ^2 /NDF: 54.8/43

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 122.1/88

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 65.2/44

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 18.5/18

Left Out: 0.084 $\pm$ 0.016 χ^2 /NDF:28.1/24

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 12.8/21

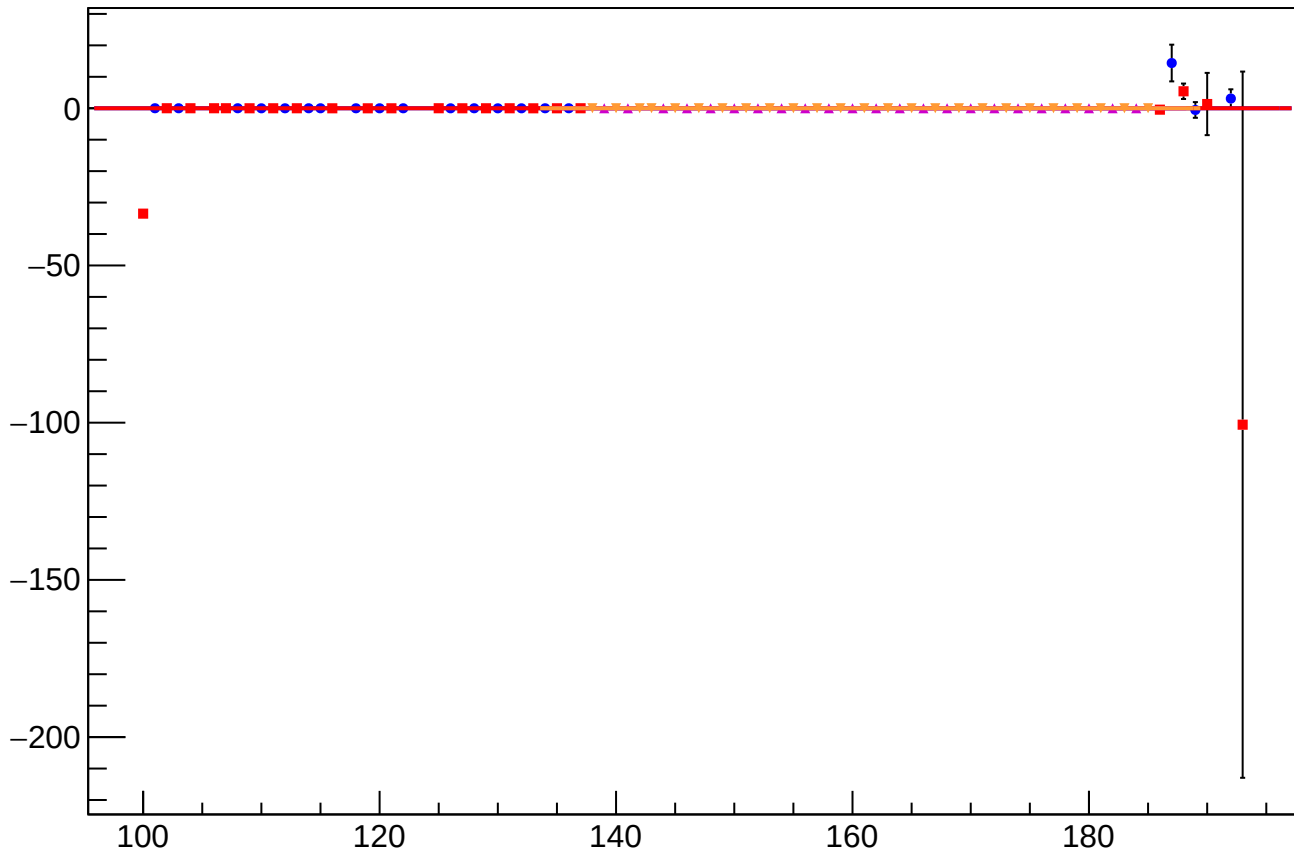
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF:44.8/22

+ sign 0.065 $\pm$ 0.014 χ^2 /NDF: 52.4/43

All: 0.071 $\pm$ 0.010 χ^2 /NDF: 111.7/88

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 58.8/44

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 28.7/18

Left Out: 0.001 ± 0.001 χ^2/NDF : 26.1/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 26514.7/21

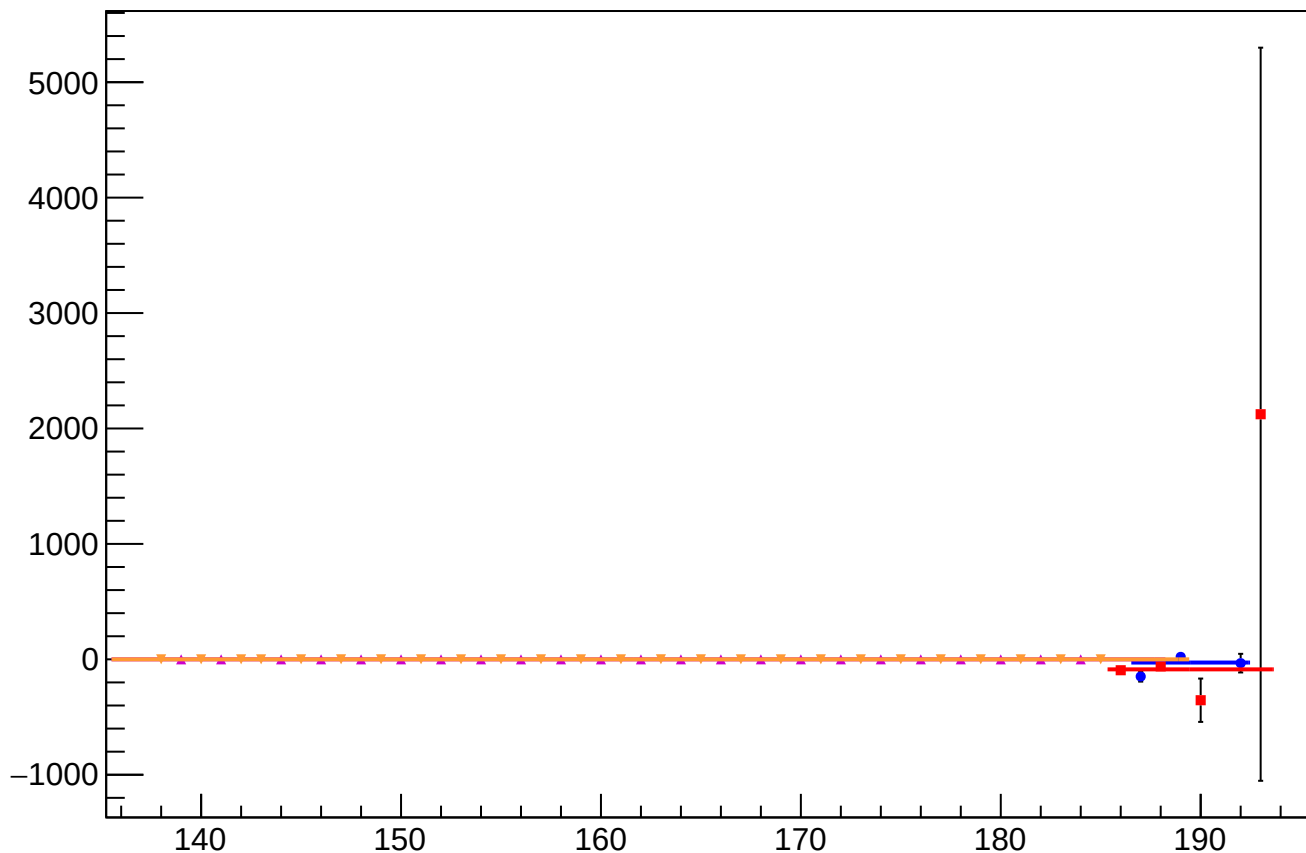
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 68.7/43

All: -0.001 ± 0.000 χ^2/NDF : 26619.9/88

- sign -0.001 ± 0.001 χ^2/NDF : 26550.9/44

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -27.825 $\pm$ 22.712 χ^2/NDF : 10.5/2

Left Out: -0.059 $\pm$ 0.018 χ^2/NDF : 41.7/24

Right Out: -86.911 $\pm$ 10.450 χ^2/NDF : 4.4/3

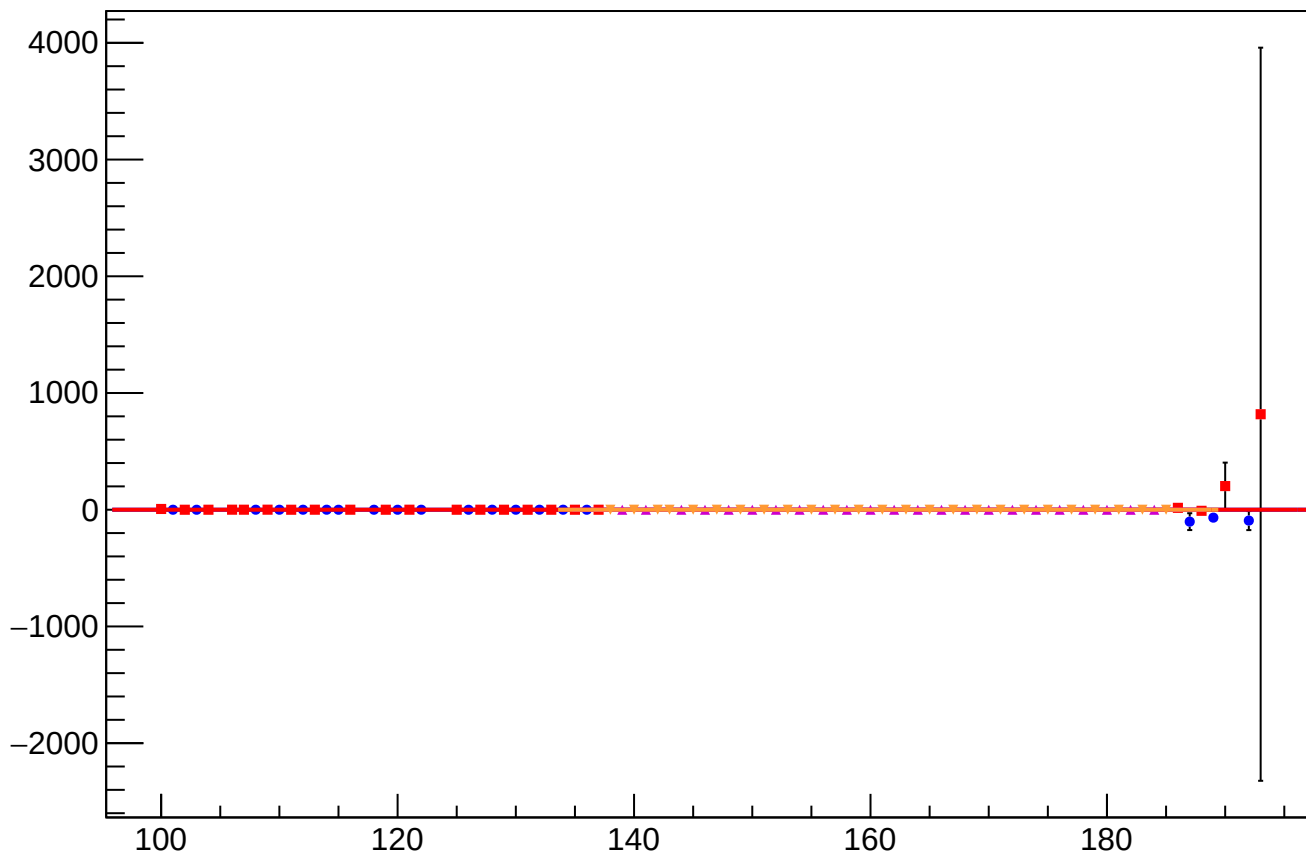
Left In: -0.009 $\pm$ 0.018 χ^2/NDF : 35.1/22

+ sign -0.059 $\pm$ 0.018 χ^2/NDF : 53.7/27

All: -0.035 $\pm$ 0.013 χ^2/NDF : 166.3/54

- sign -0.009 $\pm$ 0.018 χ^2/NDF : 108.7/26

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 $\pm$ 0.023 χ^2 /NDF: 33.0/18

Left Out: -0.010 $\pm$ 0.014 χ^2 /NDF: 29.7/24

Right Out: 0.037 $\pm$ 0.025 χ^2 /NDF: 31.0/21

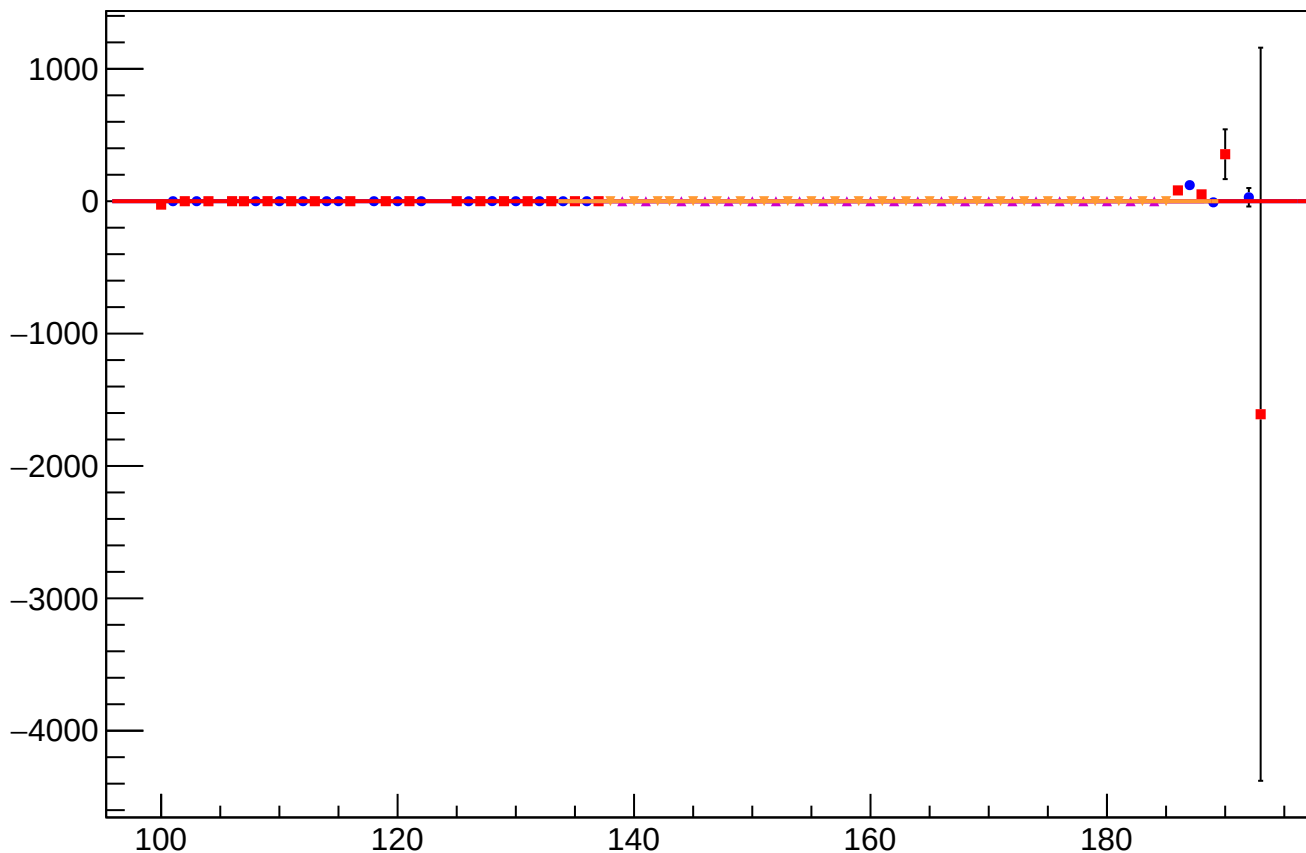
Left In: 0.005 $\pm$ 0.014 χ^2 /NDF: 49.6/22

+ sign -0.005 $\pm$ 0.012 χ^2 /NDF: 63.1/43

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 146.0/88

- sign 0.013 $\pm$ 0.012 χ^2 /NDF: 81.8/44

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 χ^2/NDF : 41.3/18

Left Out: 0.055 ± 0.018 χ^2/NDF : 41.0/24

Right Out: 0.197 ± 0.045 χ^2/NDF : 105.8/21

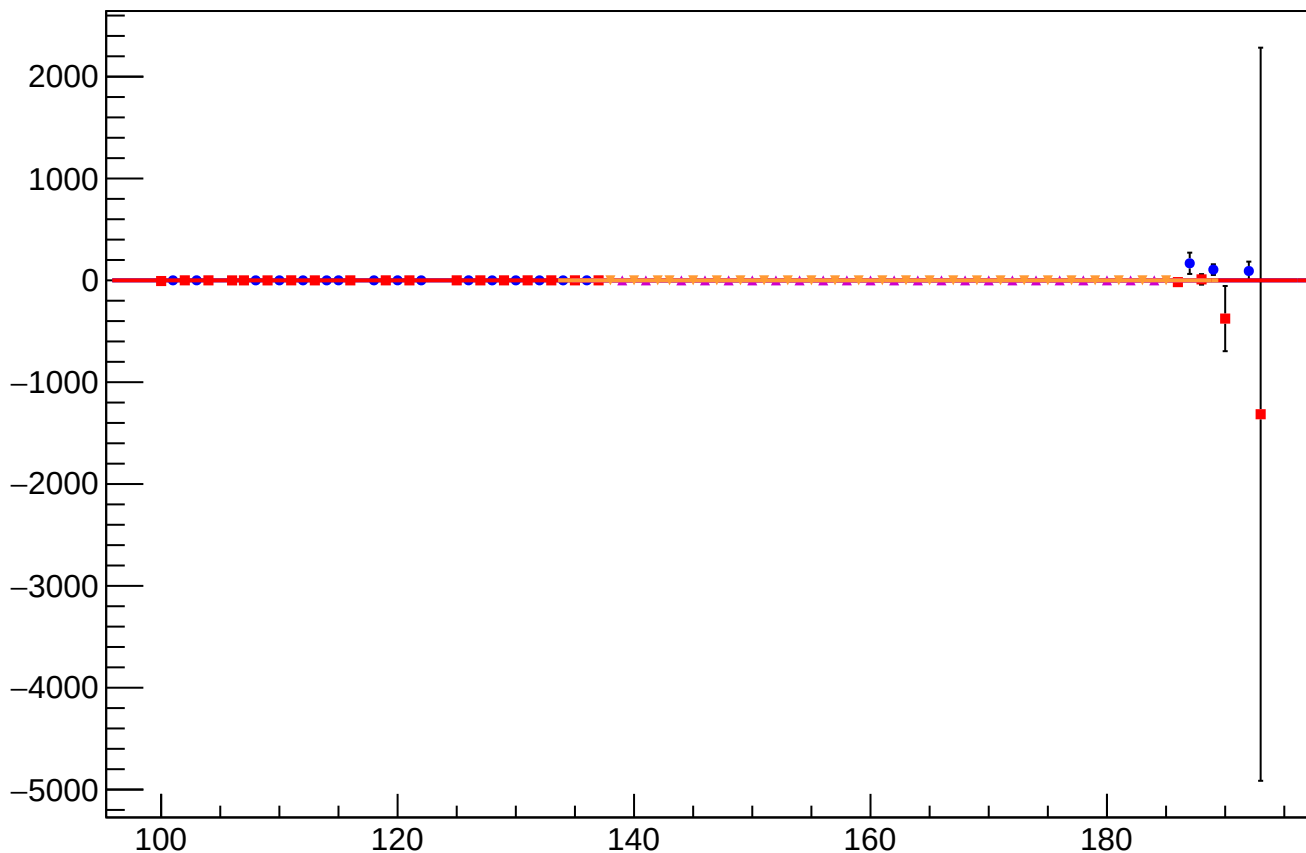
Left In: 0.020 ± 0.018 χ^2/NDF : 35.8/22

+ sign 0.070 ± 0.016 χ^2/NDF : 87.0/43

All: 0.057 ± 0.012 χ^2/NDF : 243.2/88

- sign 0.044 ± 0.017 χ^2/NDF : 155.0/44

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 32.2/18

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 28.4/21

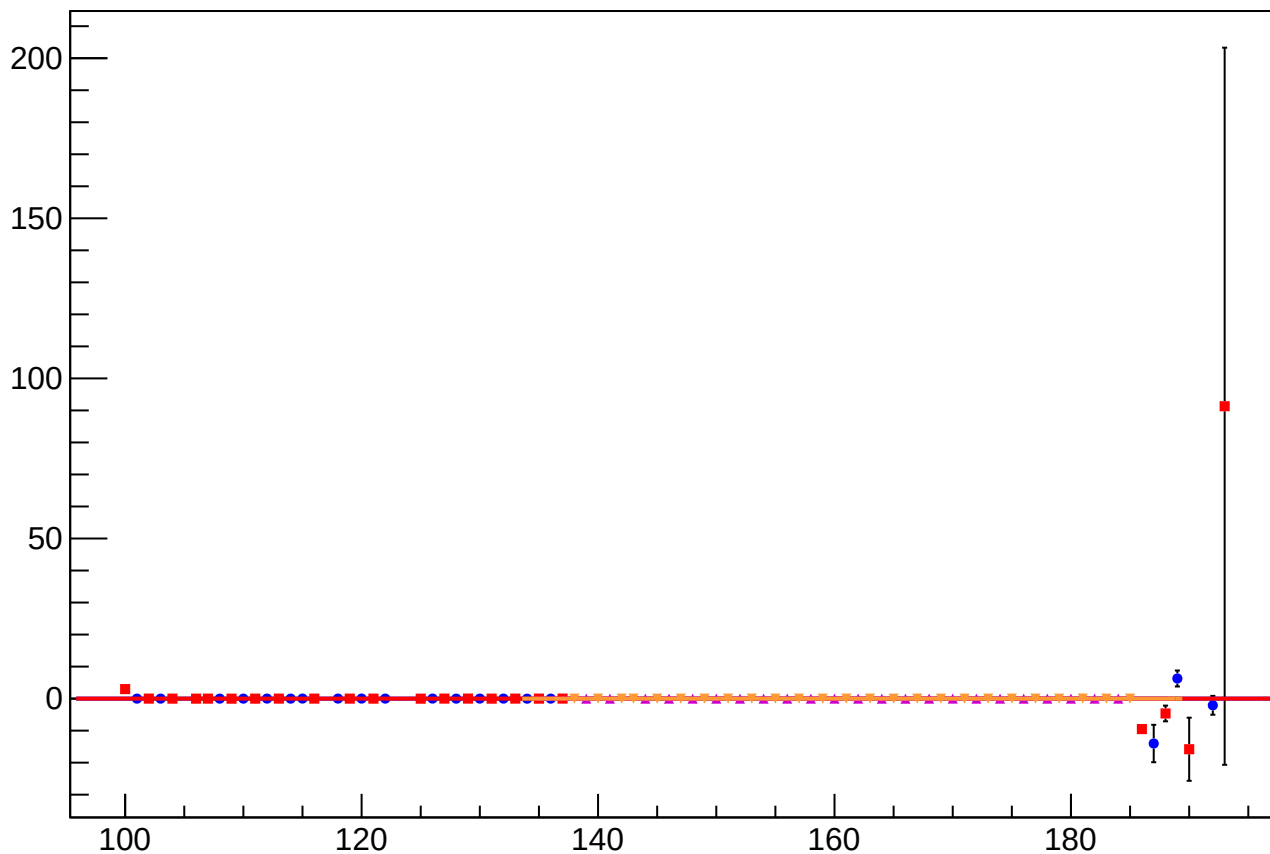
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 66.6/43

All: 0.003 ± 0.010 χ^2/NDF : 148.7/88

- sign -0.007 ± 0.014 χ^2/NDF : 81.1/44

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 40.1/18

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.7/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 209.7/21

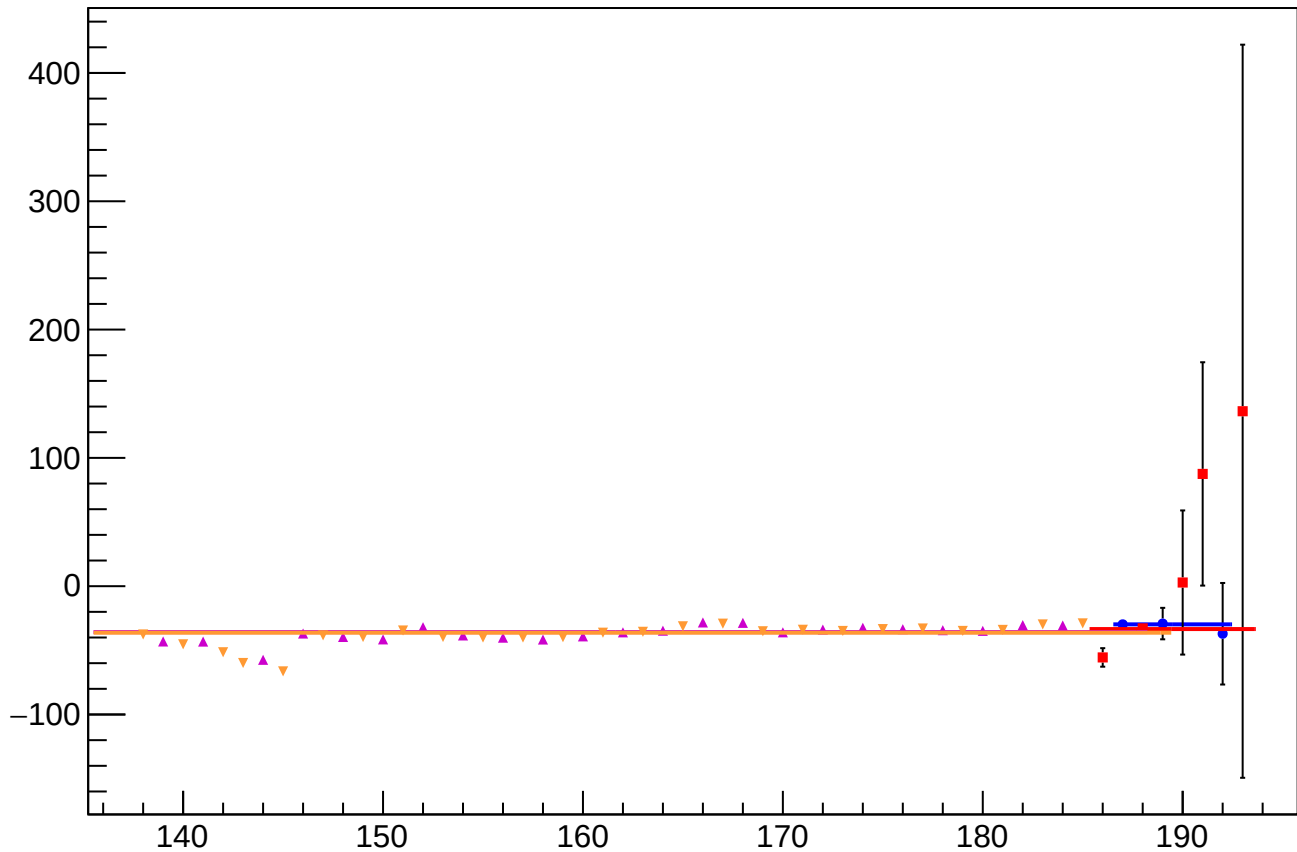
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 74.3/43

All: -0.008 ± 0.000 χ^2/NDF : 324.4/88

- sign -0.008 ± 0.001 χ^2/NDF : 249.9/44

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.750 ± 1.851 χ^2/NDF : 0.0/2

Left Out: -36.243 ± 0.191 χ^2/NDF : 1193.9/24

Right Out: -33.410 ± 1.164 χ^2/NDF : 12.3/4

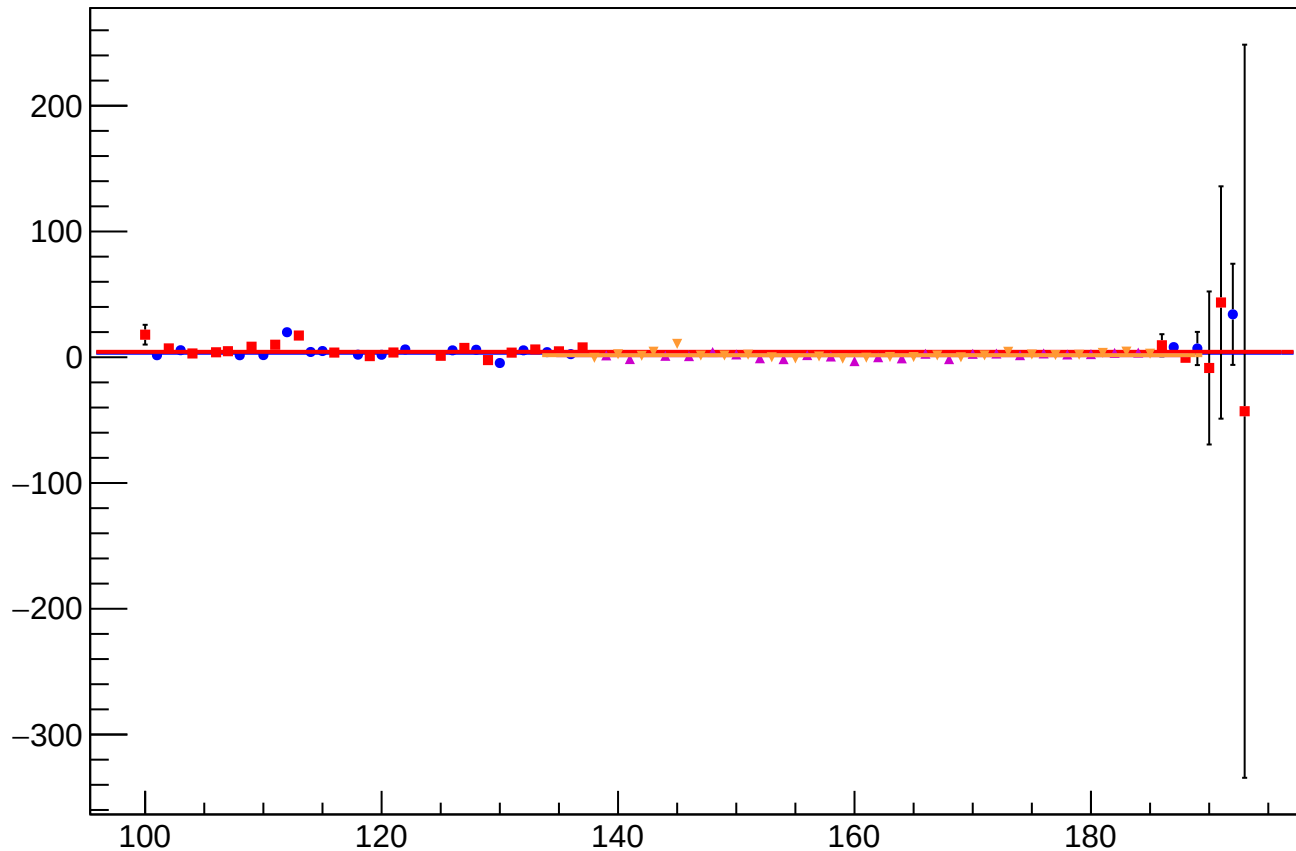
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -36.174 ± 0.190 χ^2/NDF : 1206.1/27

All: -35.944 ± 0.134 χ^2/NDF : 2079.4/55

- sign -35.717 ± 0.189 χ^2/NDF : 870.4/27

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.578 ± 0.220 χ^2/NDF : 442.8/18

Left Out: 1.652 ± 0.147 χ^2/NDF : 168.8/24

Right Out: 4.310 ± 0.224 χ^2/NDF : 360.1/22

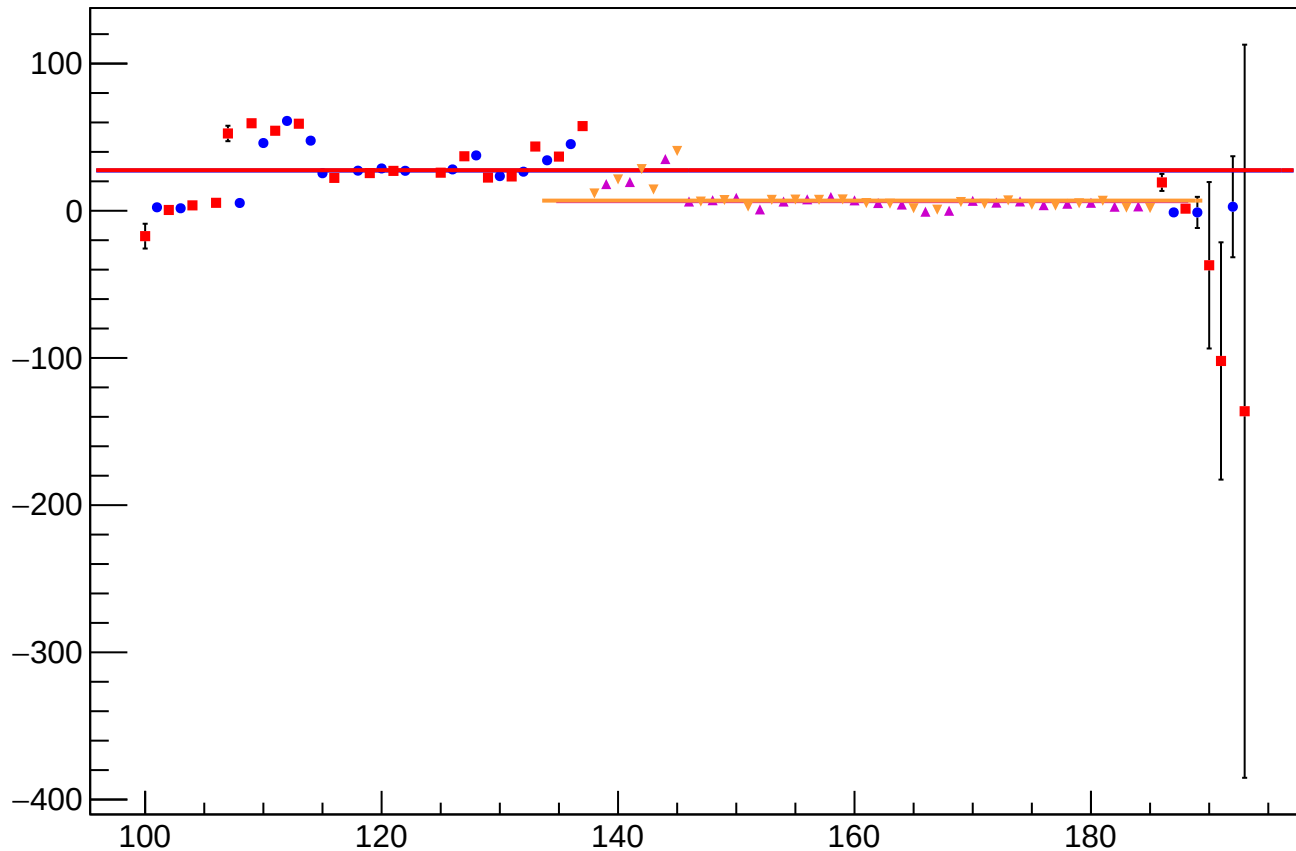
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.248 ± 0.122 χ^2/NDF : 664.4/43

All: 2.355 ± 0.087 χ^2/NDF : 1287.8/89

- sign 2.466 ± 0.124 χ^2/NDF : 621.8/45

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 27.328 $\pm$ 0.405 χ^2 /NDF: 1864.6/18

Left Out: 6.900 $\pm$ 0.191 χ^2 /NDF: 1302.8/24

Right Out: 27.583 $\pm$ 0.386 χ^2 /NDF: 2569.2/22

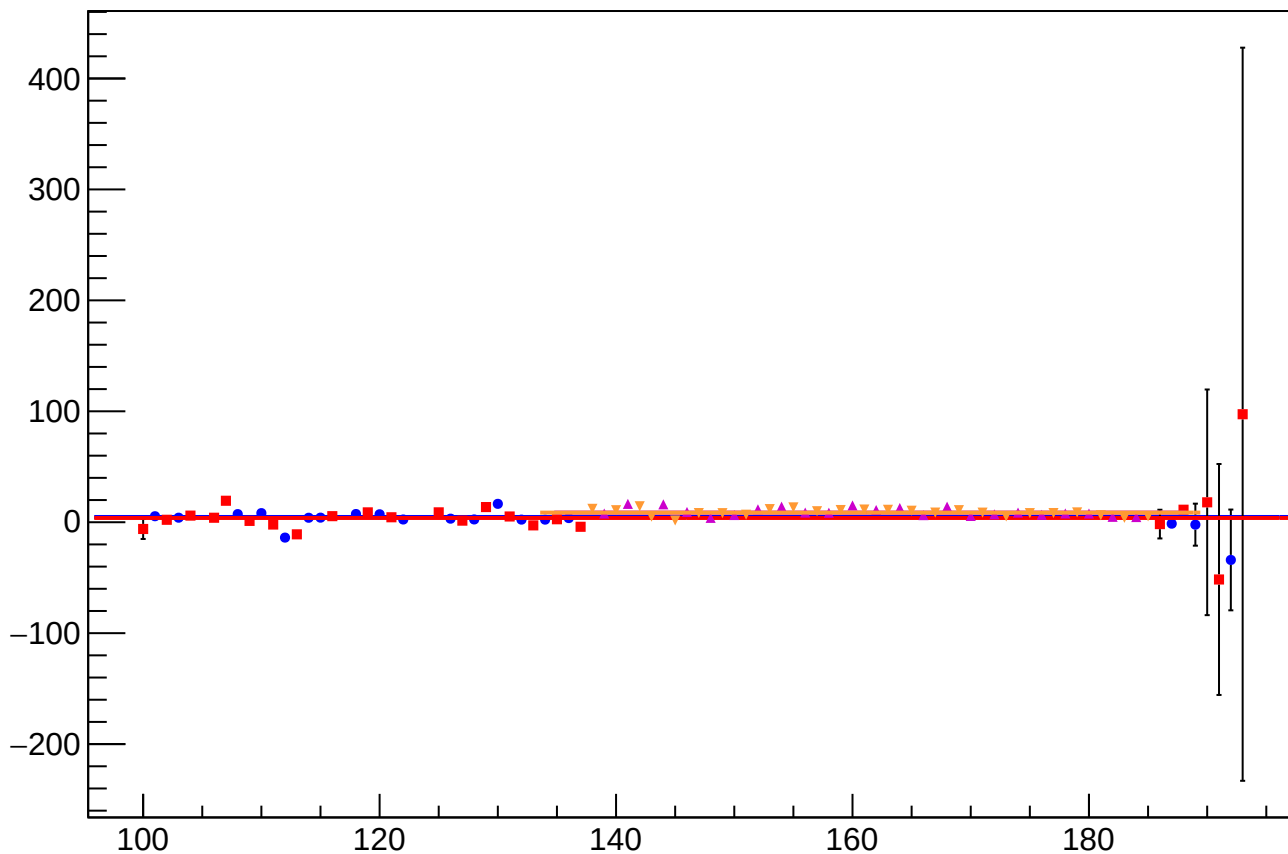
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.613 $\pm$ 0.173 χ^2 /NDF: 5247.2/43

All: 10.631 $\pm$ 0.121 χ^2 /NDF: 11230.1/89

- sign 10.650 $\pm$ 0.171 χ^2 /NDF: 5982.9/45

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.728 $\pm$ 0.254 χ^2 /NDF: 549.3/18

Left Out: 8.674 $\pm$ 0.168 χ^2 /NDF: 243.7/24

Right Out: 3.850 $\pm$ 0.258 χ^2 /NDF: 572.4/22

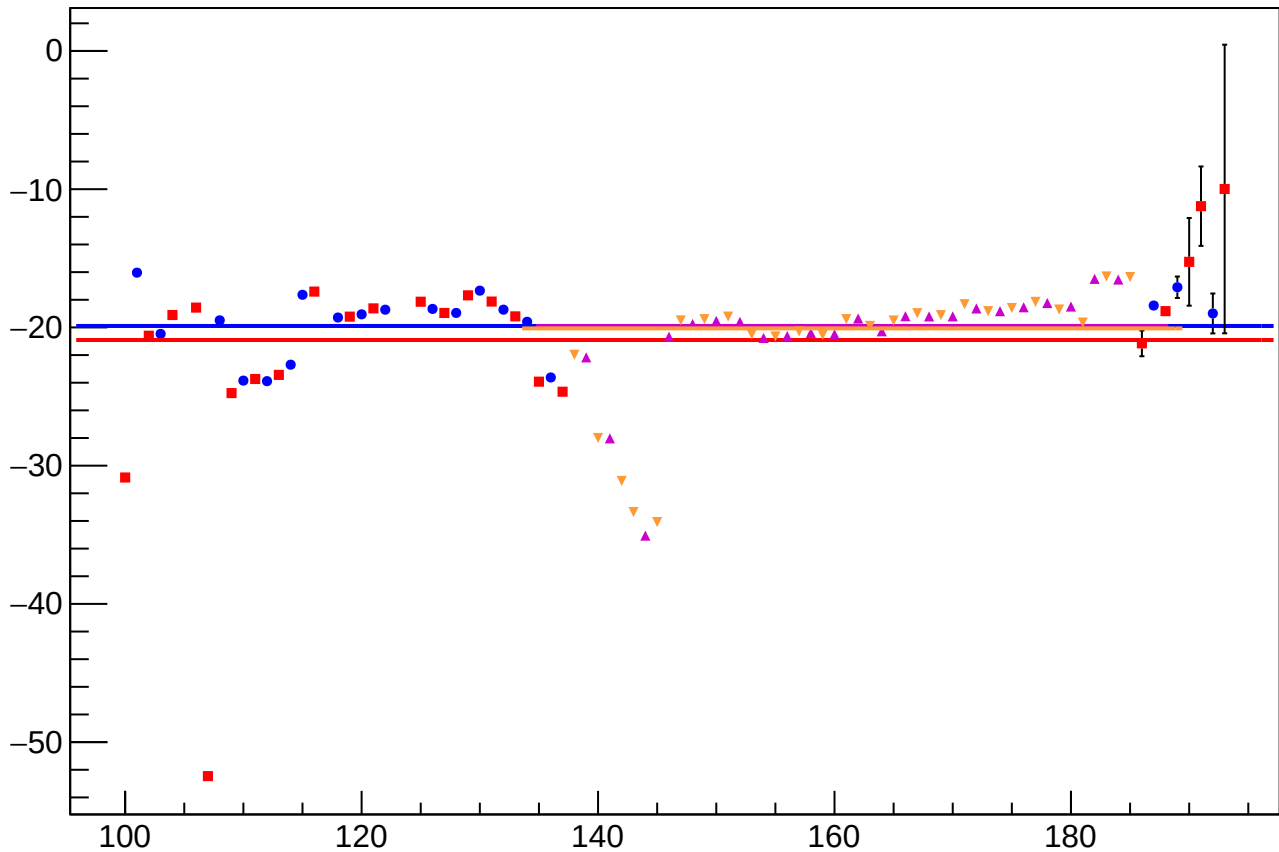
Left In: 8.668 $\pm$ 0.170 χ^2 /NDF: 436.7/22

+ sign 7.468 $\pm$ 0.140 χ^2 /NDF: 960.5/43

All: 7.339 $\pm$ 0.100 χ^2 /NDF: 2214.6/89

- sign 7.206 $\pm$ 0.142 χ^2 /NDF: 1252.4/45

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.894 ± 0.016 χ^2/NDF : 26068.6/18

Left Out: -20.069 ± 0.008 χ^2/NDF : 185373.7/24

Right Out: -20.911 ± 0.016 χ^2/NDF : 94218.3/22

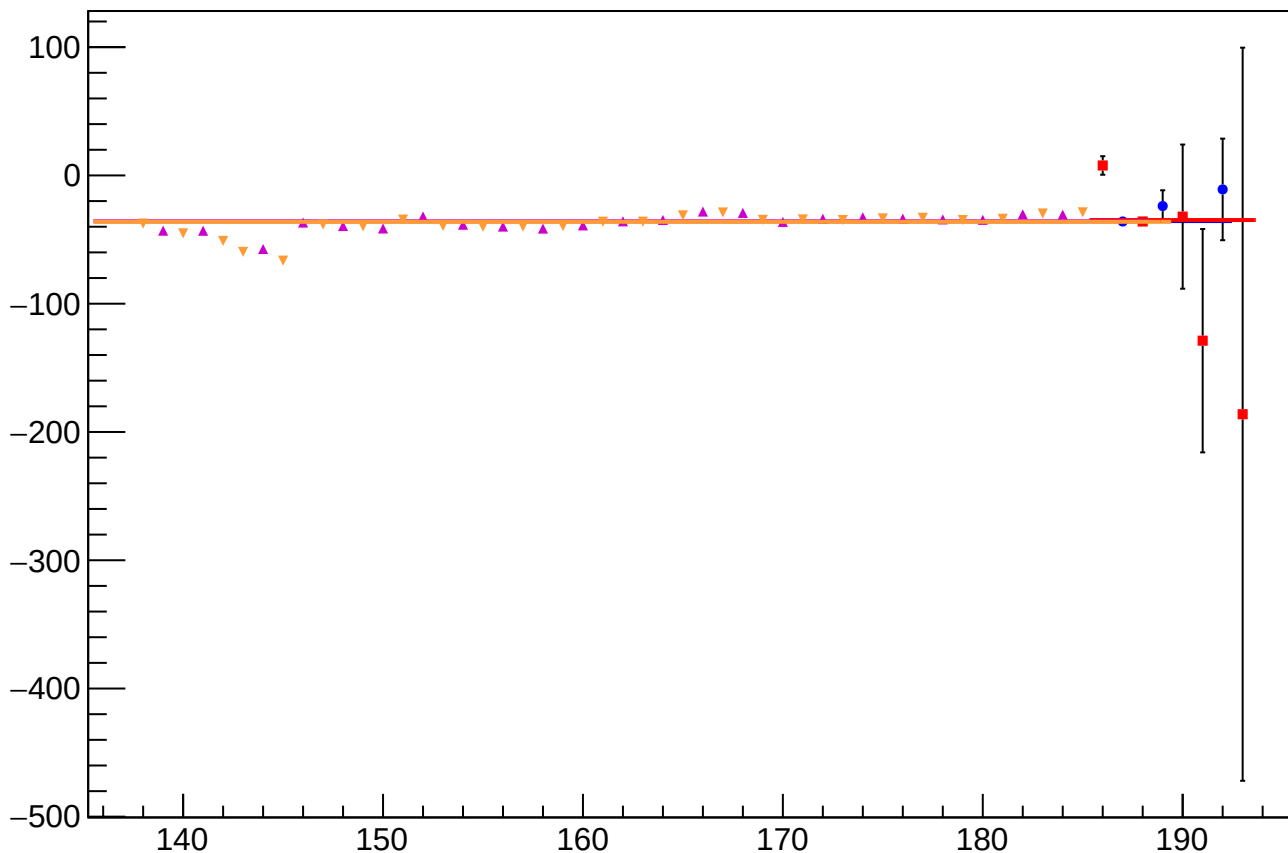
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -20.034 ± 0.007 χ^2/NDF : 211541.9/43

All: -20.068 ± 0.005 χ^2/NDF : 453346.0/89

- sign -20.101 ± 0.007 χ^2/NDF : 241757.8/45

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -35.575 ± 1.858 $\chi^2/\text{NDF}: 1.3/2$

Left Out: -36.152 ± 0.191 $\chi^2/\text{NDF}: 1199.2/24$

Right Out: -34.781 ± 1.167 $\chi^2/\text{NDF}: 37.1/4$

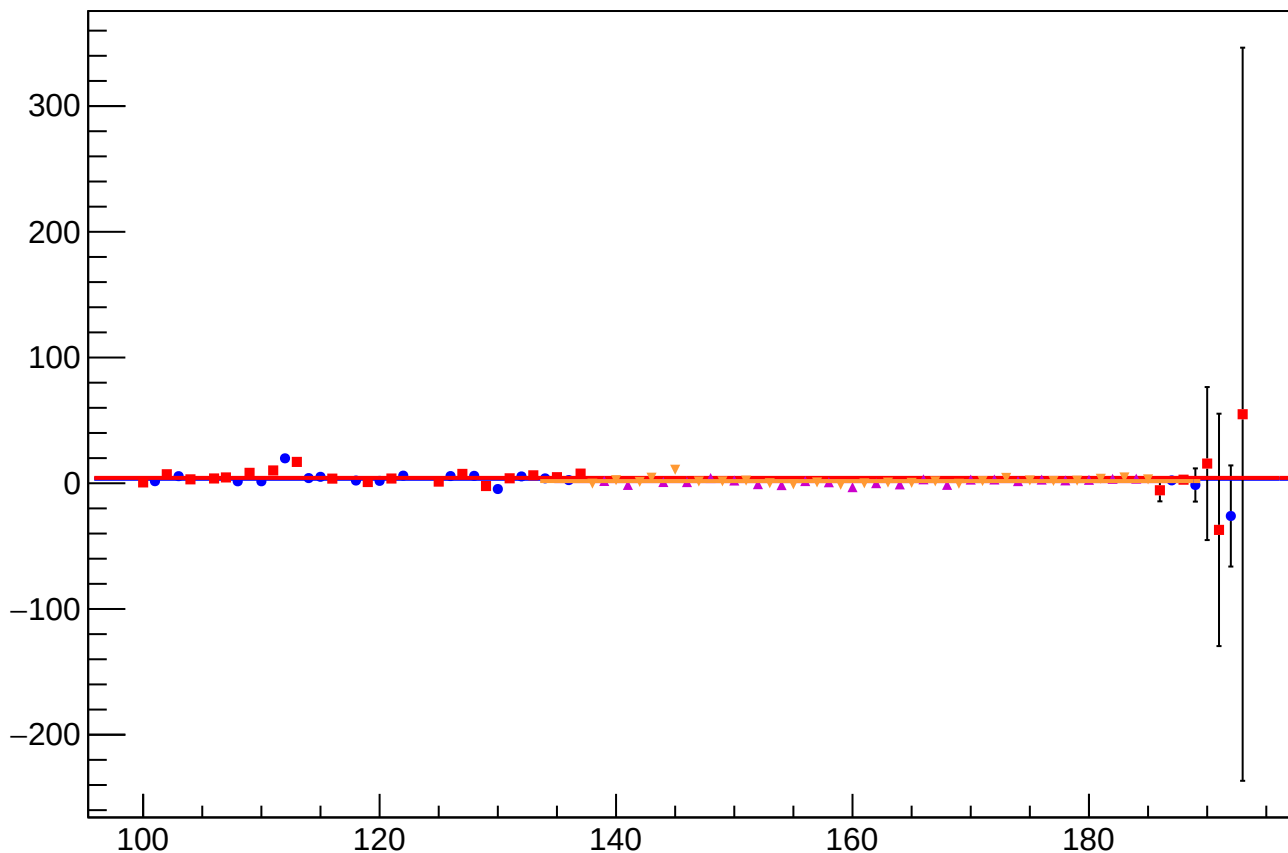
Left In: -35.766 ± 0.191 $\chi^2/\text{NDF}: 842.6/22$

+ sign -36.146 ± 0.190 $\chi^2/\text{NDF}: 1200.6/27$

All: -35.942 ± 0.134 $\chi^2/\text{NDF}: 2083.3/55$

- sign -35.741 ± 0.189 $\chi^2/\text{NDF}: 880.4/27$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.550 $\pm$ 0.220 χ^2 /NDF: 438.0/18

Left Out: 1.741 $\pm$ 0.147 χ^2 /NDF:170.2/24

Right Out: 4.281 $\pm$ 0.220 χ^2 /NDF: 354.2/22

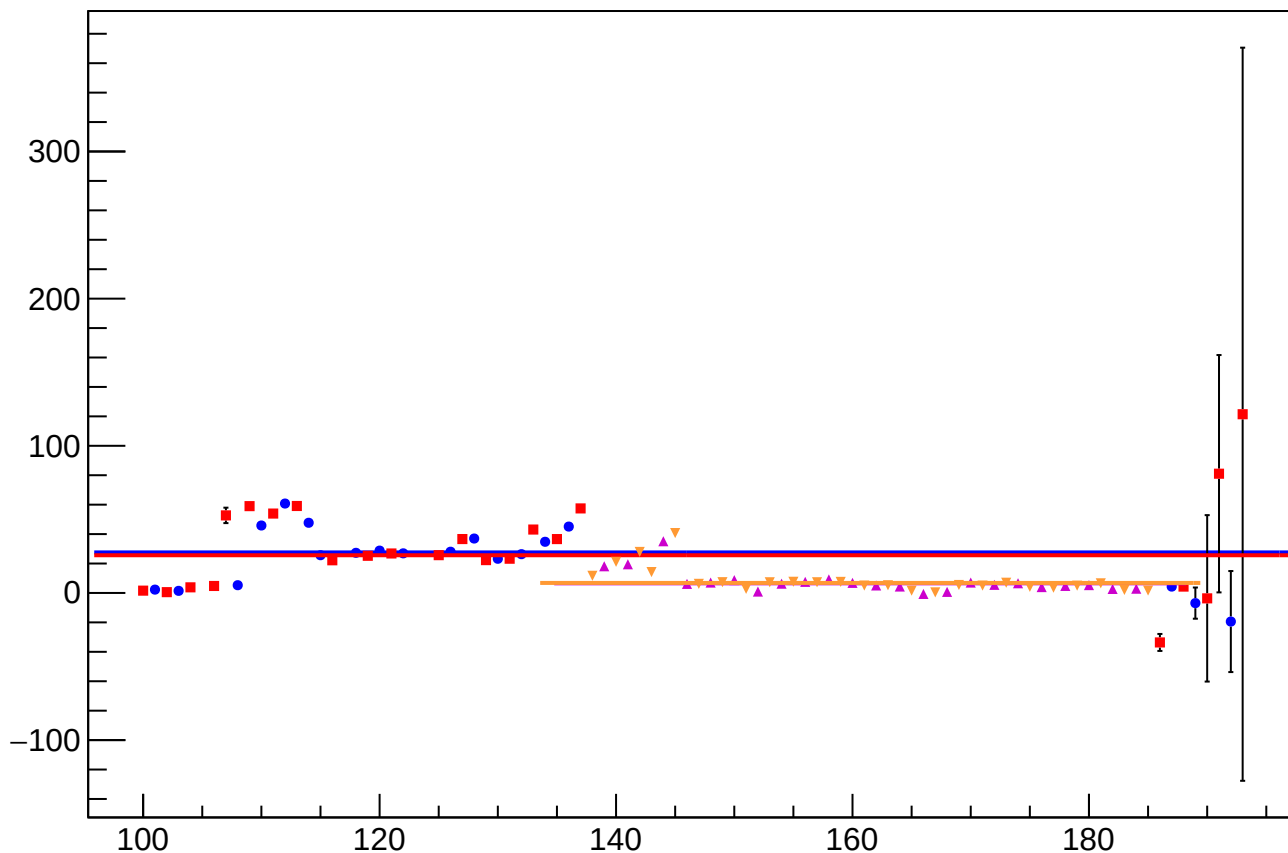
Left In: 1.705 $\pm$ 0.149 χ^2 /NDF:163.0/22

+ sign 2.301 $\pm$ 0.122 χ^2 /NDF: 655.0/43

All: 2.409 $\pm$ 0.087 χ^2 /NDF: 1267.7/89

- sign 2.519 $\pm$ 0.124 χ^2 /NDF: 611.2/45

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 27.546 $\pm$ 0.405 χ^2 /NDF: 1739.1/18

Left Out: 6.813 $\pm$ 0.191 χ^2 /NDF: 1304.5/24

Right Out: 25.623 $\pm$ 0.371 χ^2 /NDF: 2833.3/22

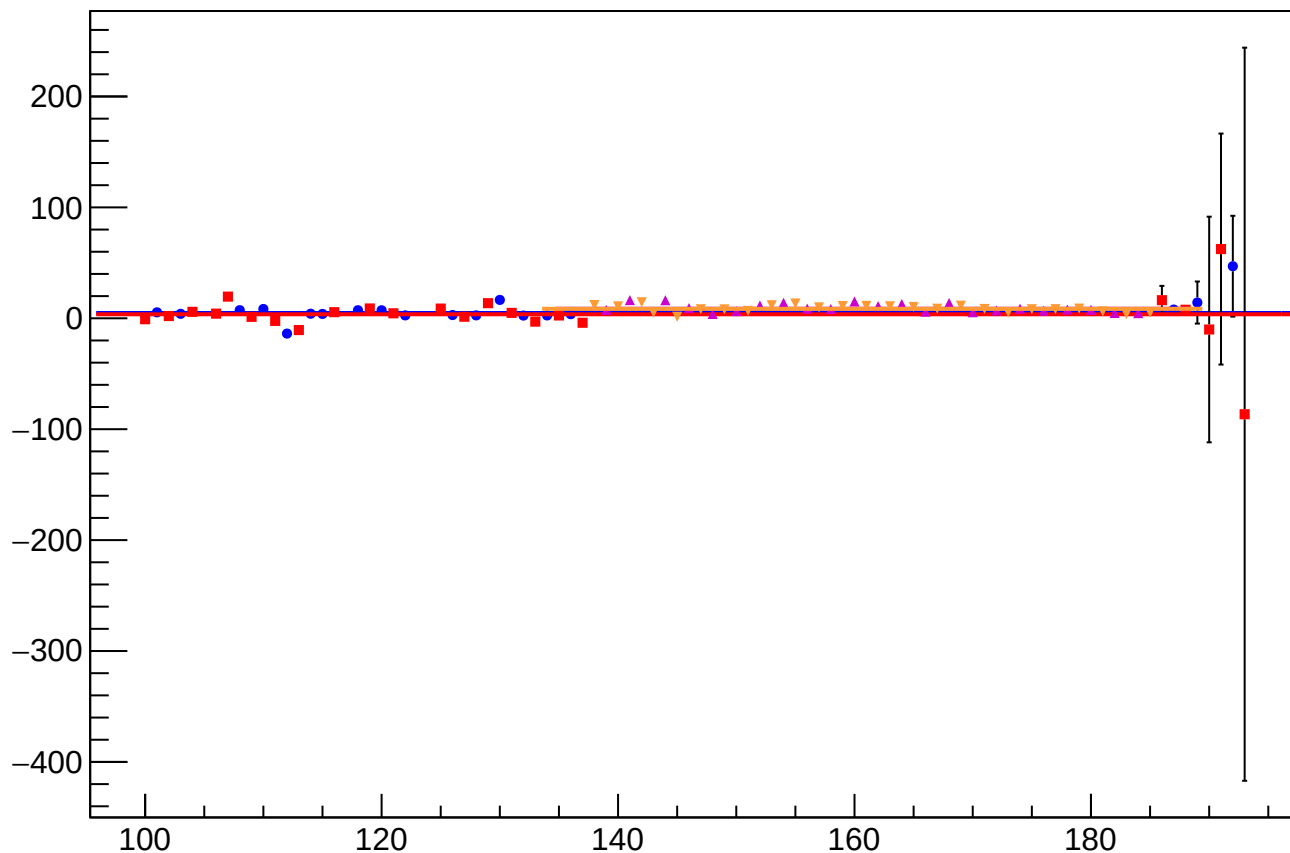
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.579 $\pm$ 0.173 χ^2 /NDF: 5187.8/43

All: 10.546 $\pm$ 0.121 χ^2 /NDF: 11138.6/89

- sign 10.513 $\pm$ 0.169 χ^2 /NDF: 5950.7/45

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.763 ± 0.254 χ^2/NDF : 544.7/18

Left Out: 8.565 ± 0.168 χ^2/NDF : 248.1/24

Right Out: 3.612 ± 0.253 χ^2/NDF : 573.9/22

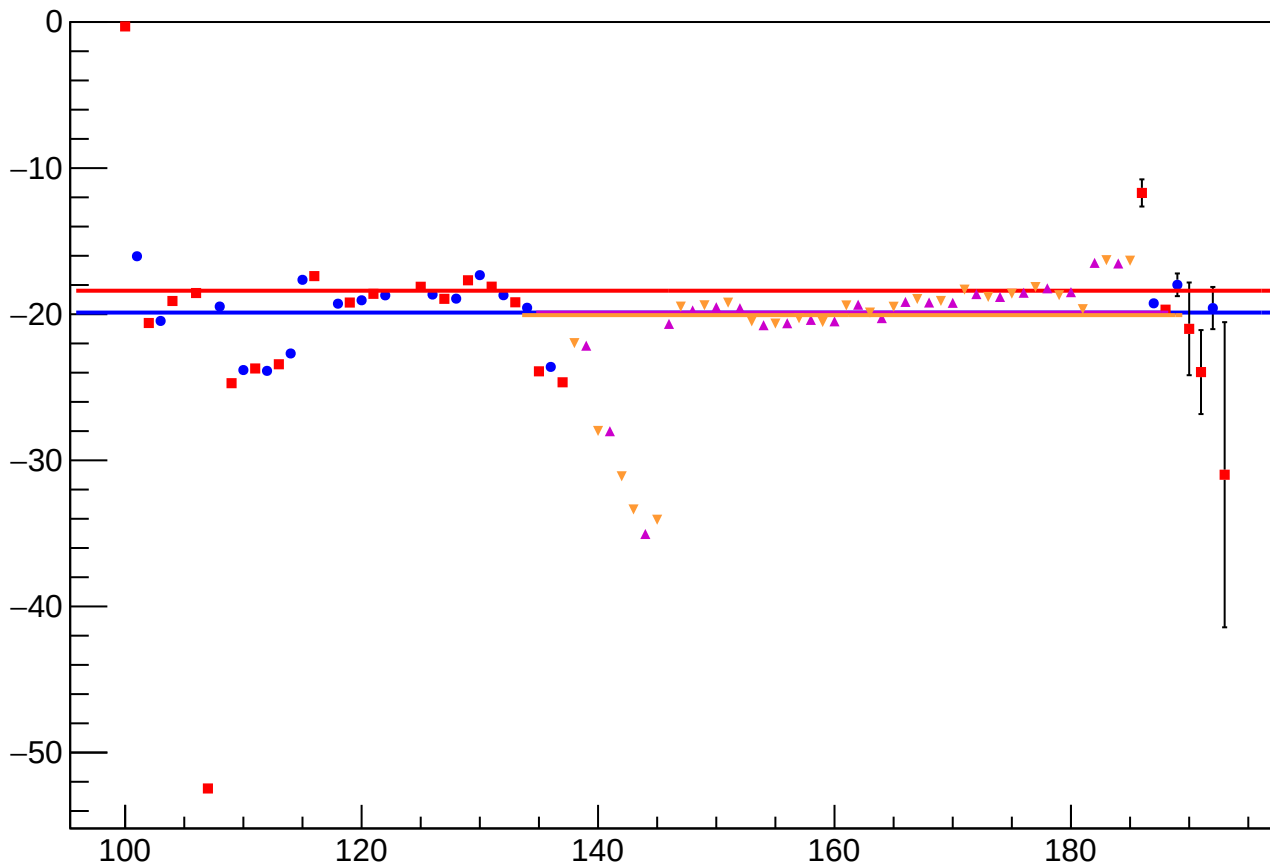
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.403 ± 0.140 χ^2/NDF : 948.5/43

All: 7.223 ± 0.100 χ^2/NDF : 2232.9/89

- sign 7.041 ± 0.141 χ^2/NDF : 1281.1/45

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.886 ± 0.016 χ^2/NDF : 26021.5/18

Left Out: -20.061 ± 0.008 χ^2/NDF : 185580.2/24

Right Out: -18.390 ± 0.015 χ^2/NDF : 301149.0/22

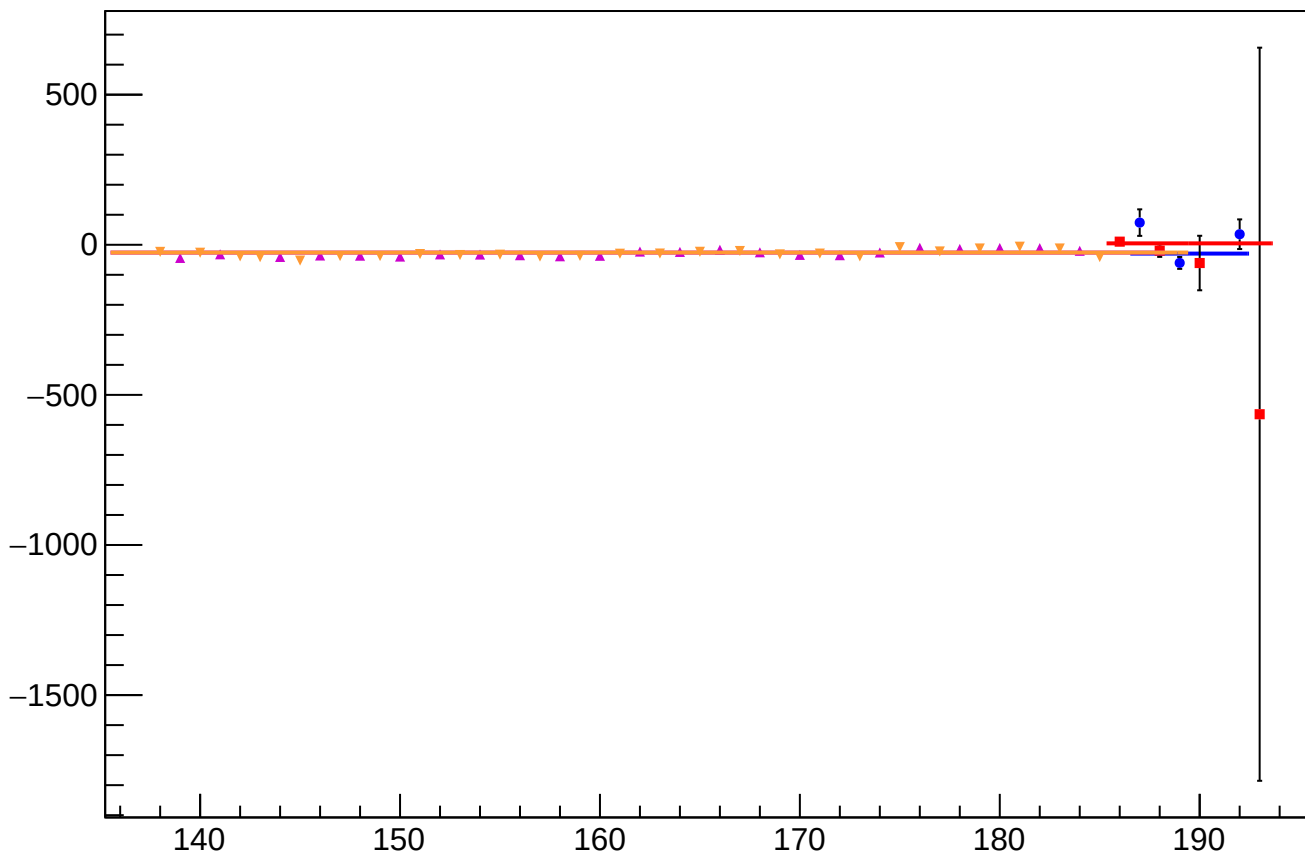
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -20.026 ± 0.007 χ^2/NDF : 211701.8/43

All: -19.788 ± 0.005 χ^2/NDF : 667278.0/89

- sign -19.558 ± 0.007 χ^2/NDF : 453322.0/45

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -29.329 ± 16.964 χ^2/NDF : 9.6/2

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 4.707 ± 8.566 χ^2/NDF : 2.4/3

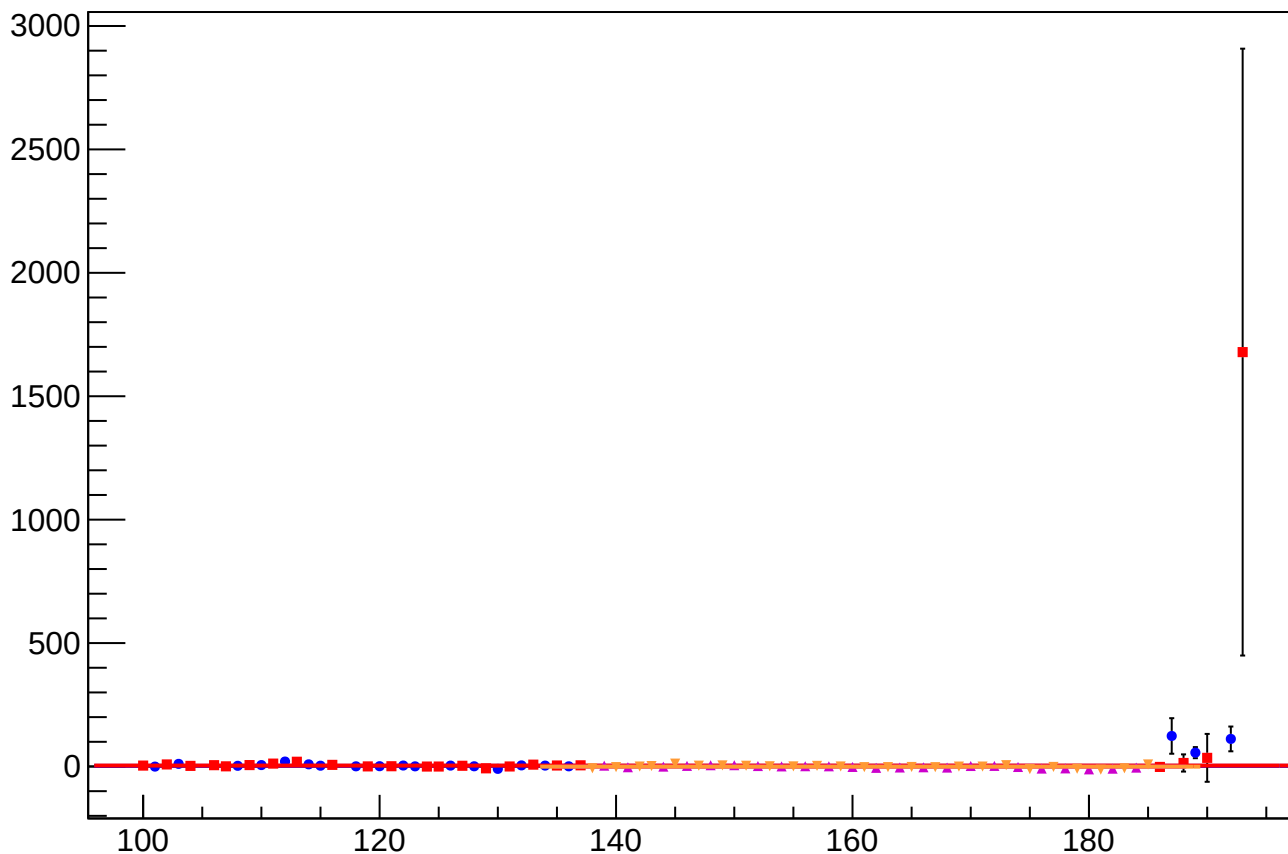
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.885 ± 0.192 χ^2/NDF : 4167.6/27

All: -25.959 ± 0.137 χ^2/NDF : 7462.8/54

- sign -26.036 ± 0.195 χ^2/NDF : 3294.8/26

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.471 ± 0.315 χ^2/NDF : 307.6/19

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.711 ± 0.327 χ^2/NDF : 271.4/22

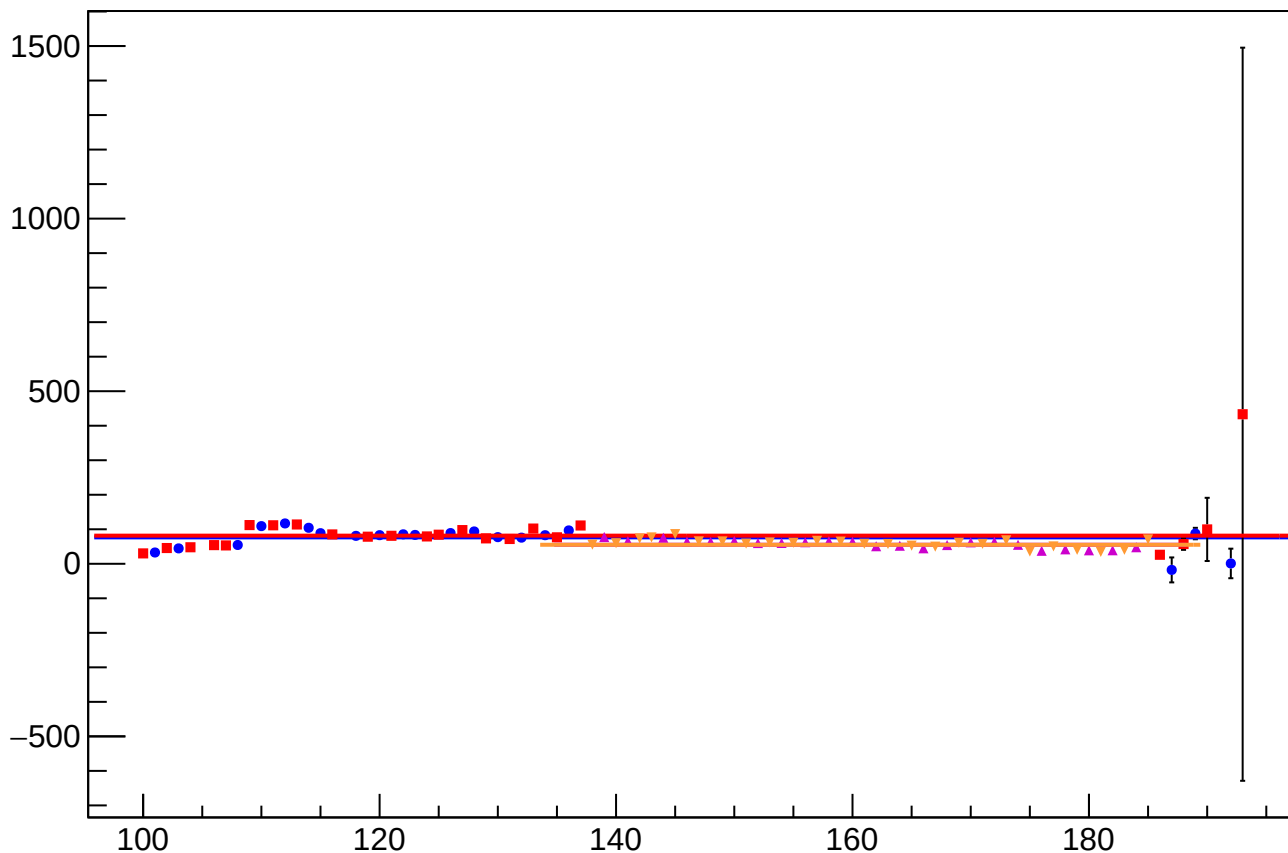
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1709.5/44

All: -0.082 ± 0.095 χ^2/NDF : 3209.2/90

- sign -0.063 ± 0.137 χ^2/NDF : 1499.7/45

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.530 $\pm$ 0.576 χ^2 /NDF: 2263.1/19

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.518 $\pm$ 0.591 χ^2 /NDF: 1626.7/22

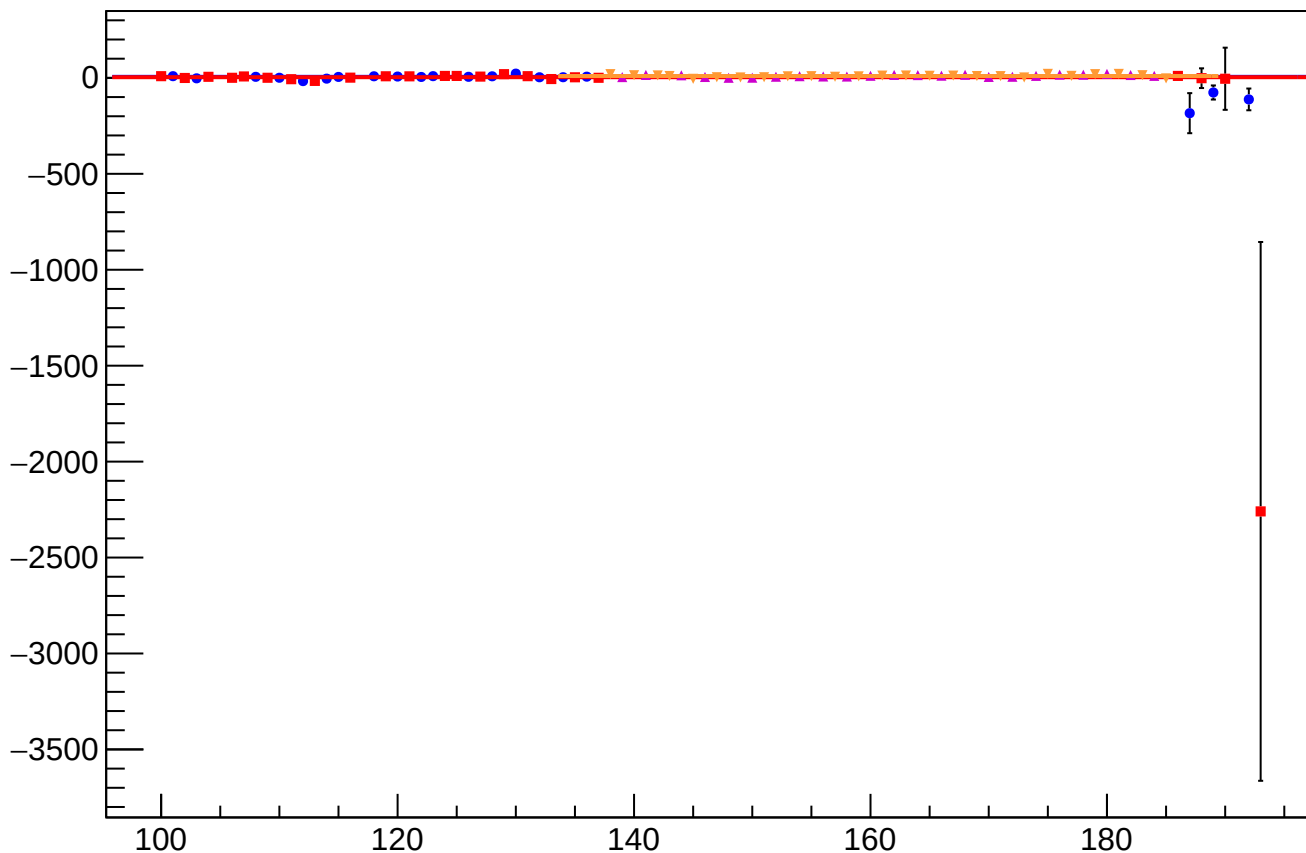
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.228 $\pm$ 0.182 χ^2 /NDF: 8087.5/44

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15230.0/90

- sign 57.632 $\pm$ 0.184 χ^2 /NDF: 7140.0/45

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.413 ± 0.361 $\chi^2/\text{NDF}: 398.2/19$

Left Out: 9.737 ± 0.168 $\chi^2/\text{NDF}: 1450.2/24$

Right Out: 3.585 ± 0.375 $\chi^2/\text{NDF}: 424.4/22$

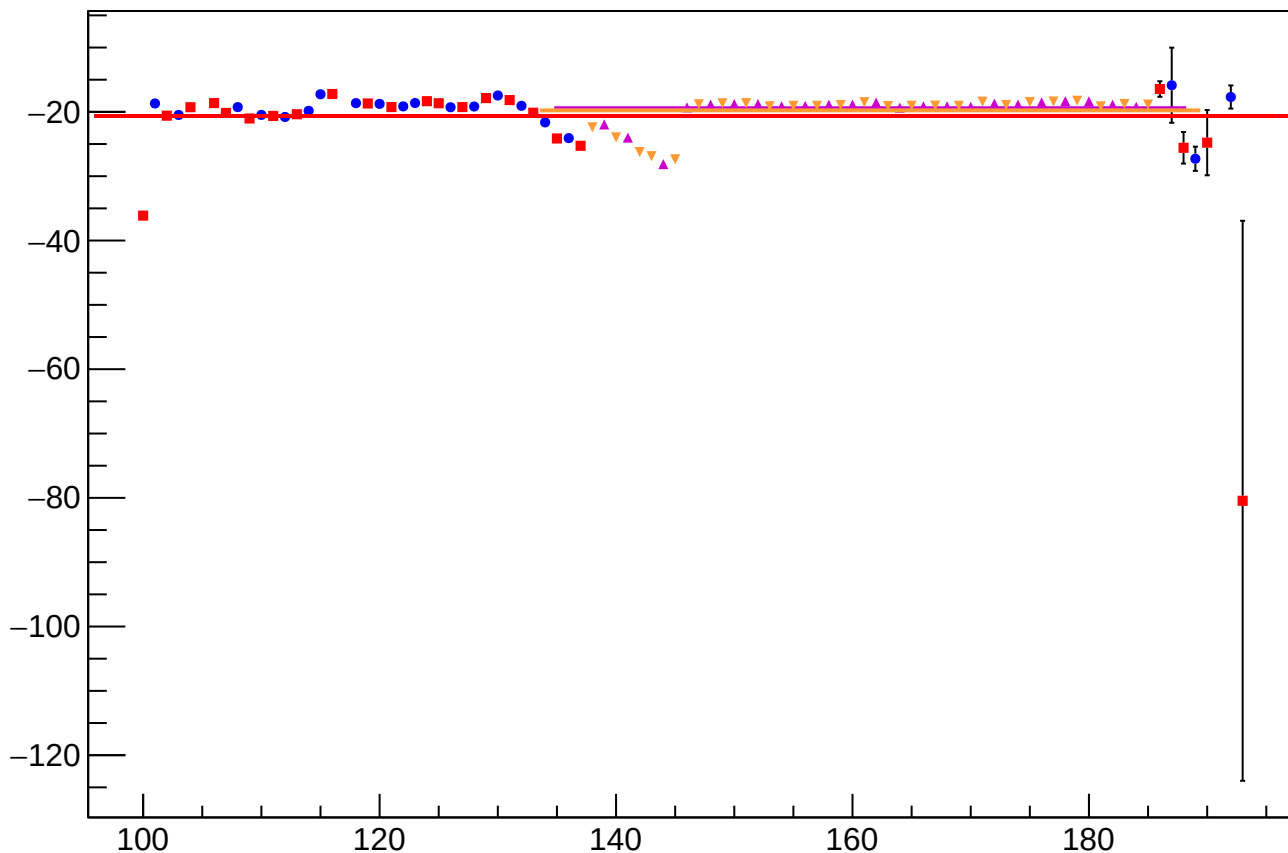
Left In: 9.803 ± 0.172 $\chi^2/\text{NDF}: 1158.7/22$

+ sign 8.969 ± 0.152 $\chi^2/\text{NDF}: 1966.5/44$

All: 8.852 ± 0.109 $\chi^2/\text{NDF}: 3777.7/90$

- sign 8.728 ± 0.156 $\chi^2/\text{NDF}: 1810.0/45$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12440.0/19$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13804.6/22$

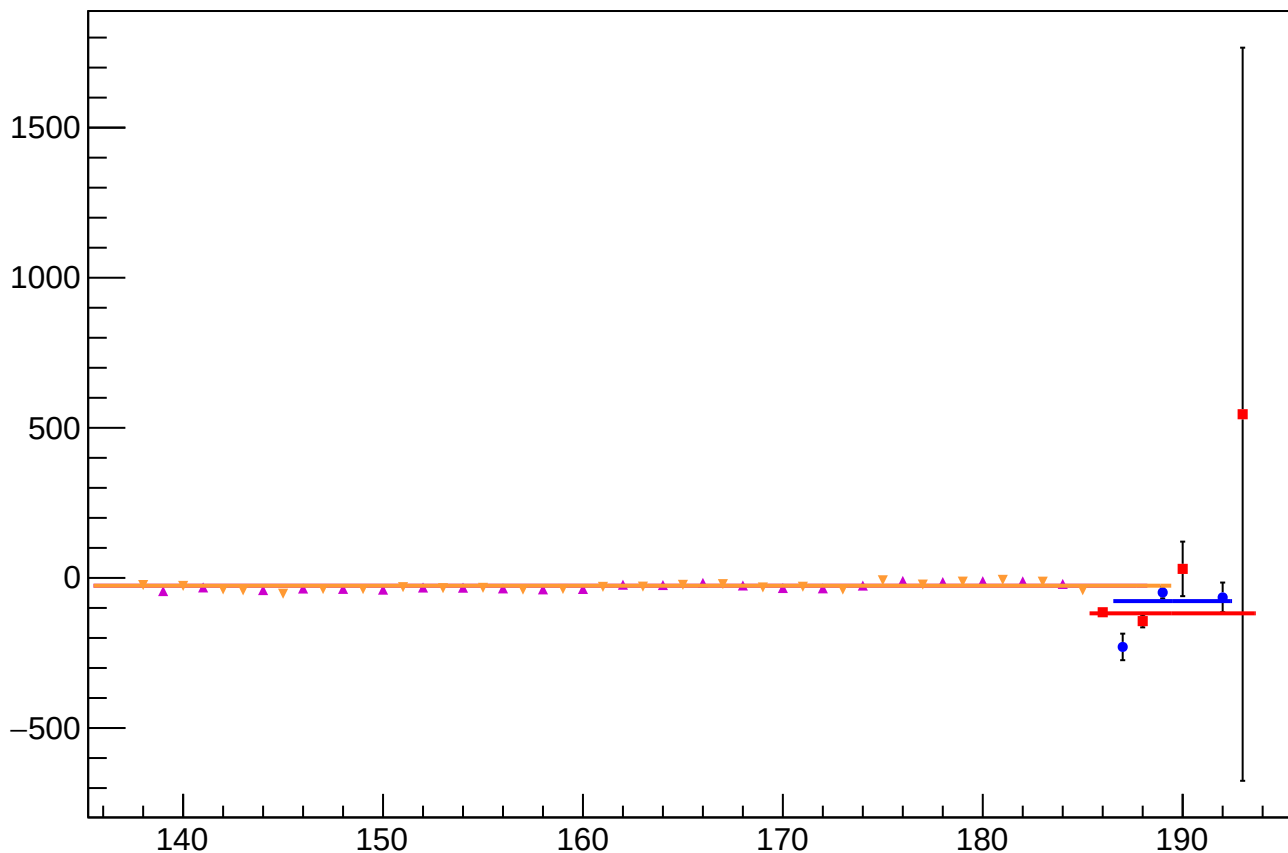
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105820.0/44$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176824.5/90$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70252.1/45$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -77.223 ± 16.979 χ^2/NDF : 14.1/2

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -118.005 ± 8.572 χ^2/NDF : 4.6/3

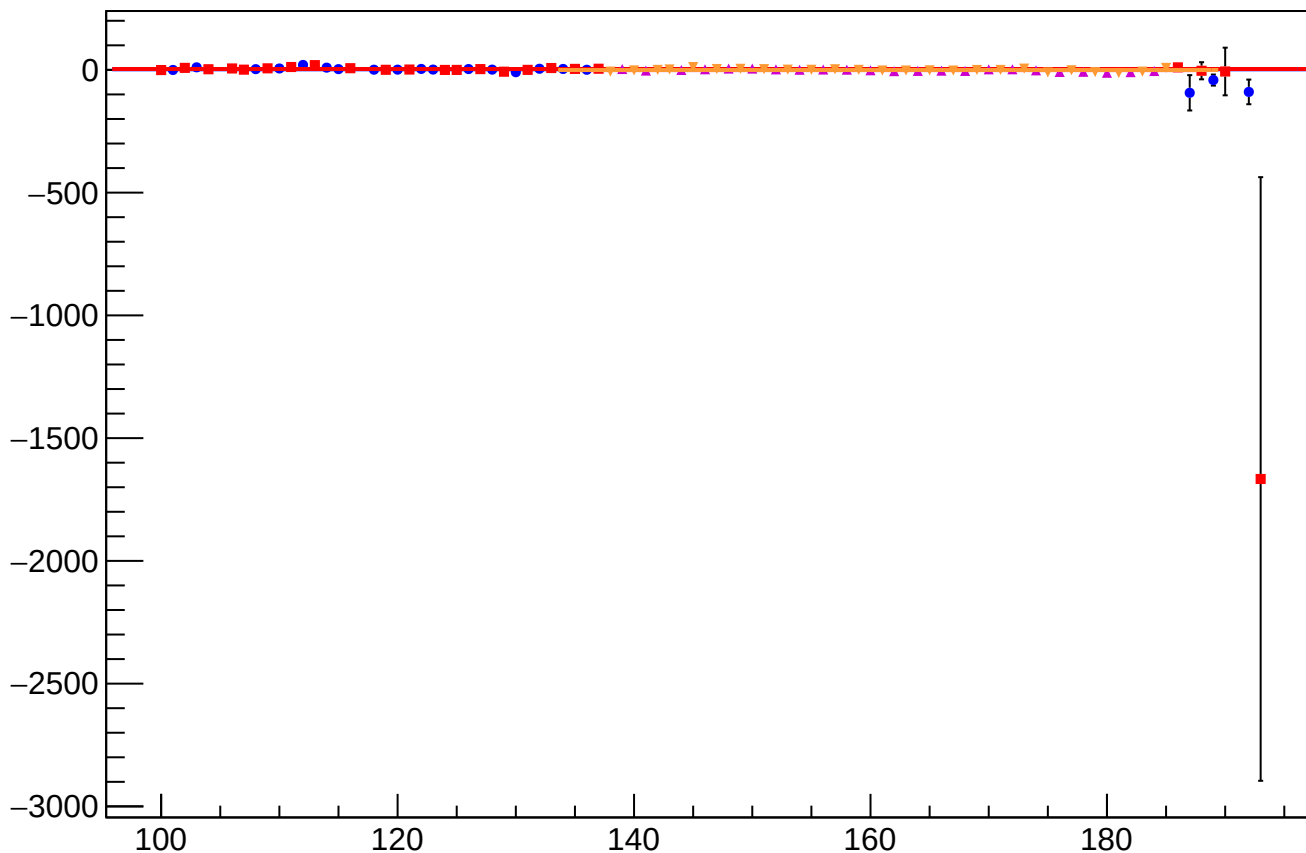
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.906 ± 0.192 χ^2/NDF : 4150.8/27

All: -25.998 ± 0.137 χ^2/NDF : 7517.6/54

- sign -26.094 ± 0.195 χ^2/NDF : 3366.4/26

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.441 ± 0.315 χ^2/NDF : 301.3/19

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.596 ± 0.318 χ^2/NDF : 282.3/22

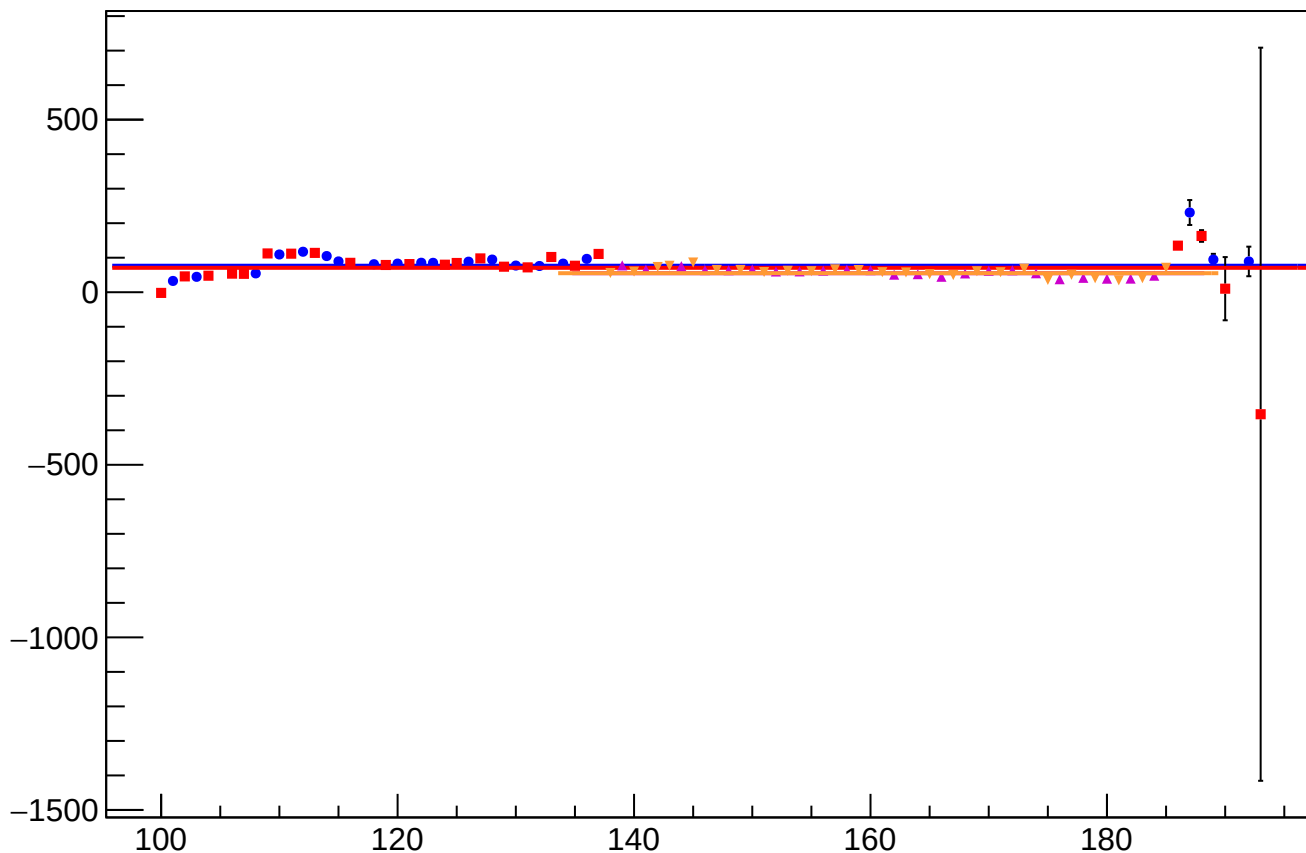
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1688.5/44

All: -0.025 ± 0.095 χ^2/NDF : 3232.9/90

- sign 0.009 ± 0.136 χ^2/NDF : 1544.3/45

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.738 $\pm$ 0.577 χ^2 /NDF: 2284.3/19

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.749 $\pm$ 0.549 χ^2 /NDF: 4489.7/22

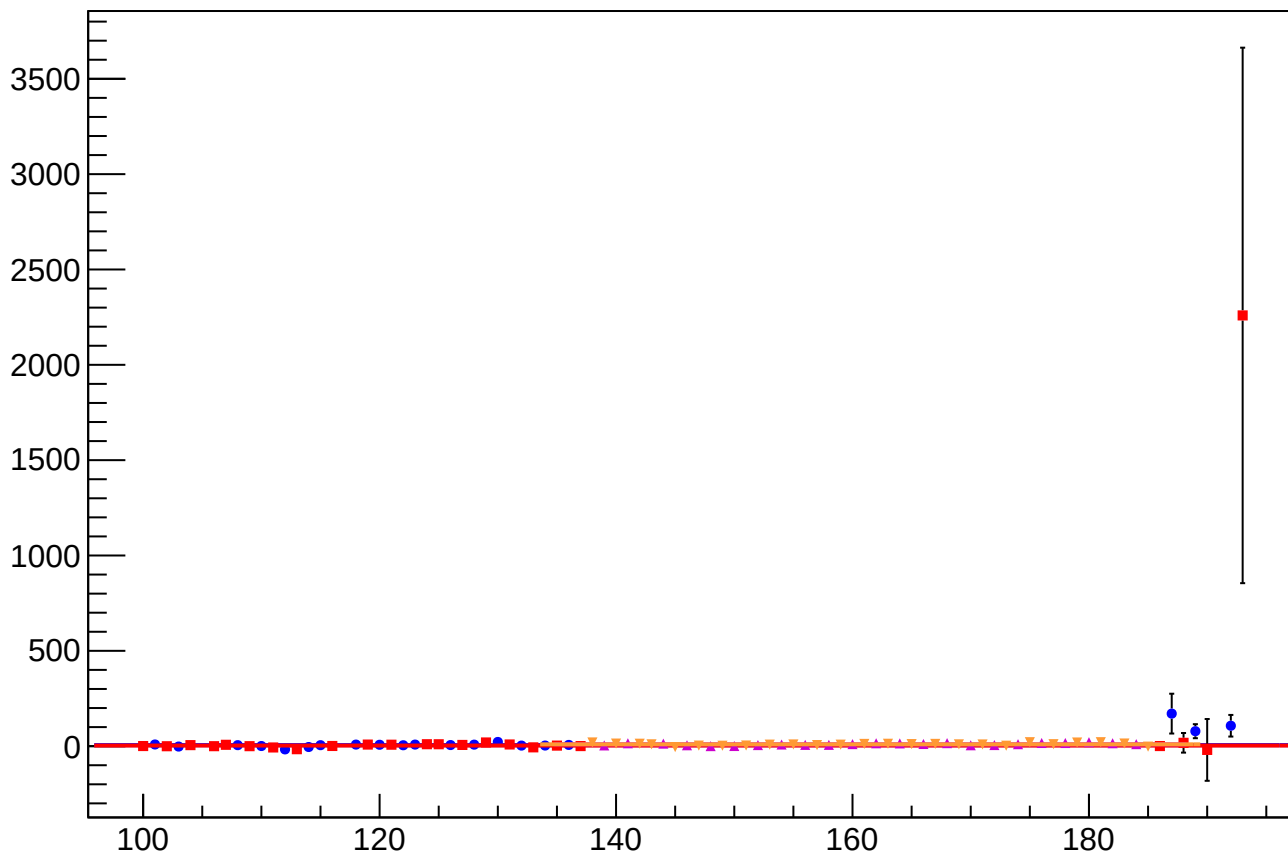
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.260 $\pm$ 0.182 χ^2 /NDF: 8110.8/44

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 16991.7/90

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8878.1/45

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.441 ± 0.361 χ^2/NDF : 393.9/19

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.279 ± 0.366 χ^2/NDF : 427.7/22

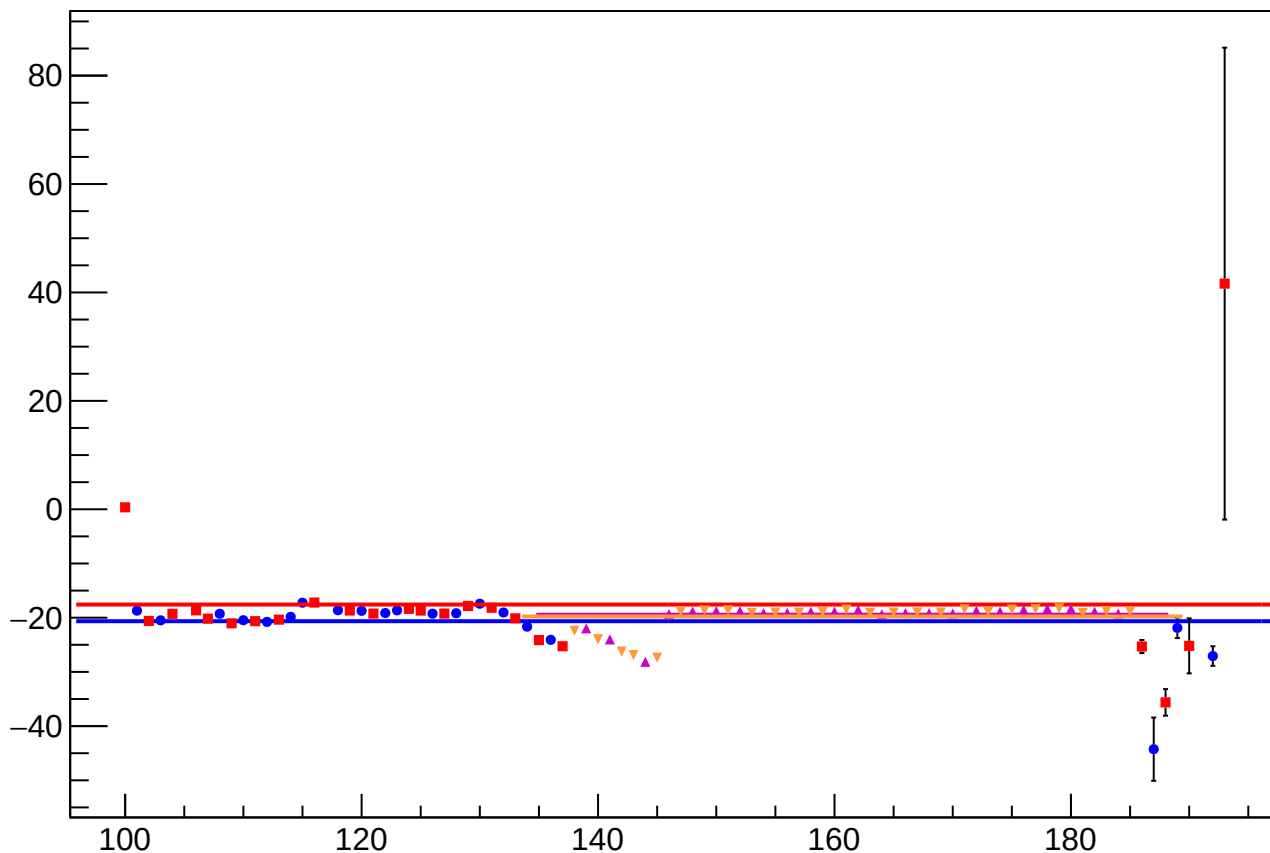
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1948.3/44

All: 8.750 ± 0.109 χ^2/NDF : 3825.5/90

- sign 8.569 ± 0.155 χ^2/NDF : 1874.6/45

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.646 ± 0.019 $\chi^2/\text{NDF}: 12492.2/19$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178417.5/22$

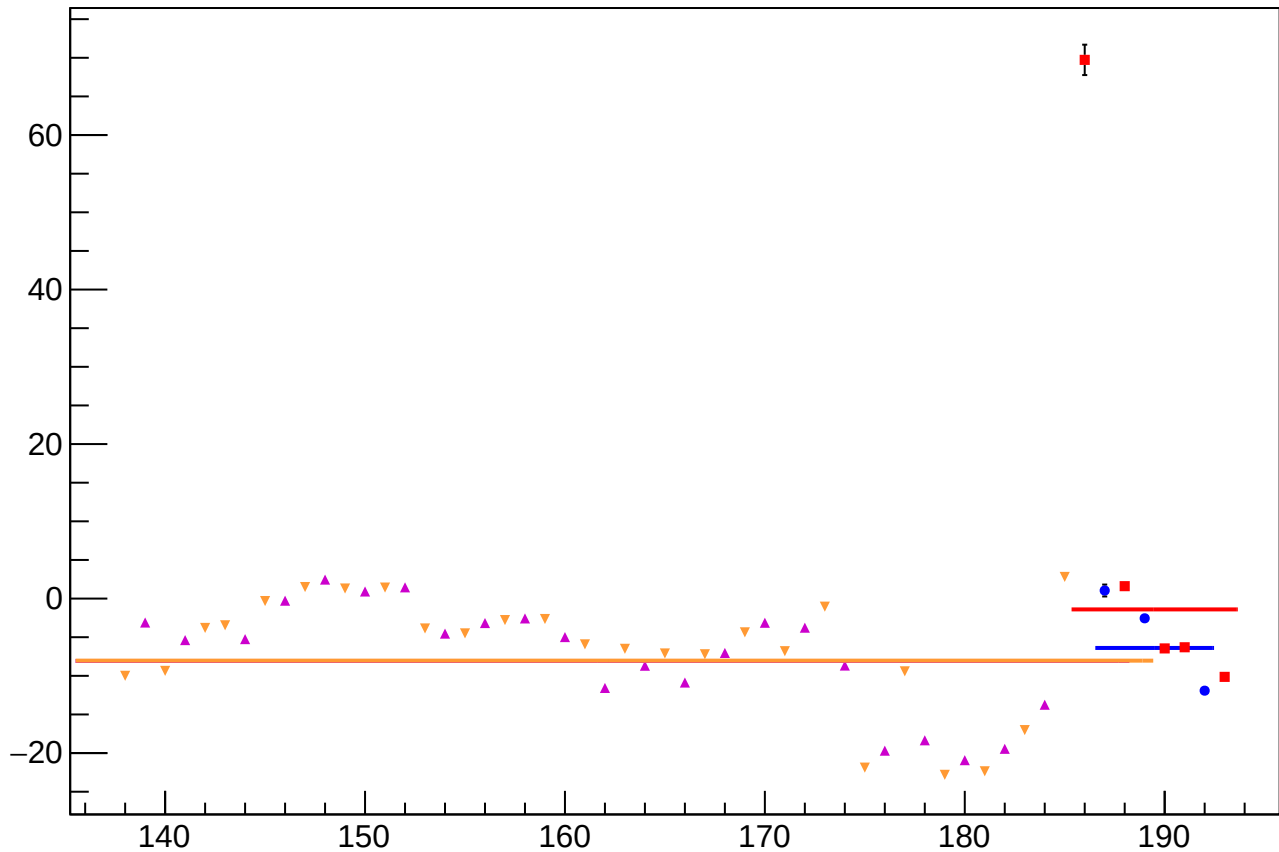
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105739.3/44$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351692.1/90$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240540.7/45$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -6.391 ± 0.261 χ^2/NDF : 390.5/2

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -1.402 ± 0.148 χ^2/NDF : 2303.9/4

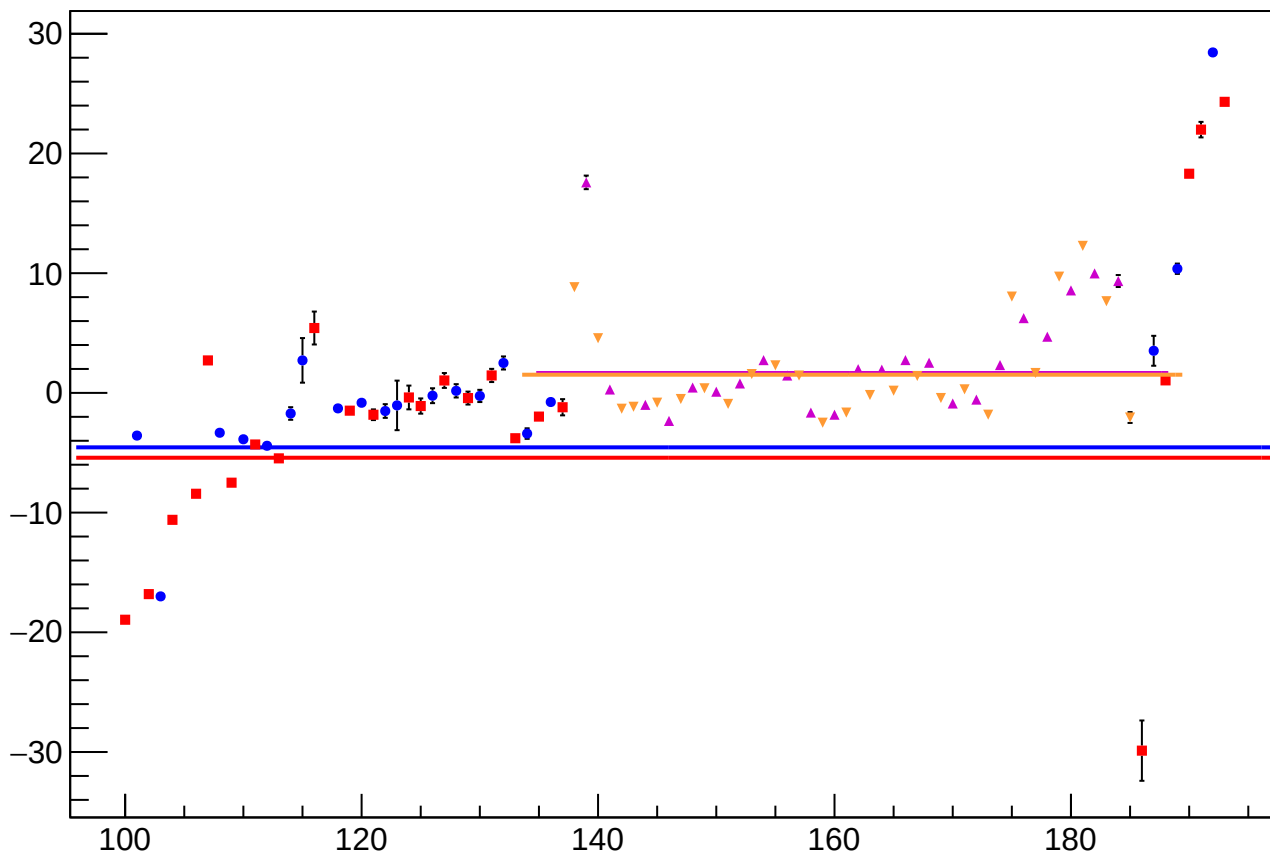
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -7.923 ± 0.068 χ^2/NDF : 12995.6/27

All: -7.333 ± 0.047 χ^2/NDF : 27637.9/55

- sign -6.798 ± 0.065 χ^2/NDF : 14498.2/27

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -4.549 ± 0.054 $\chi^2/\text{NDF}: 17615.9/19$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -5.417 ± 0.056 $\chi^2/\text{NDF}: 24436.7/23$

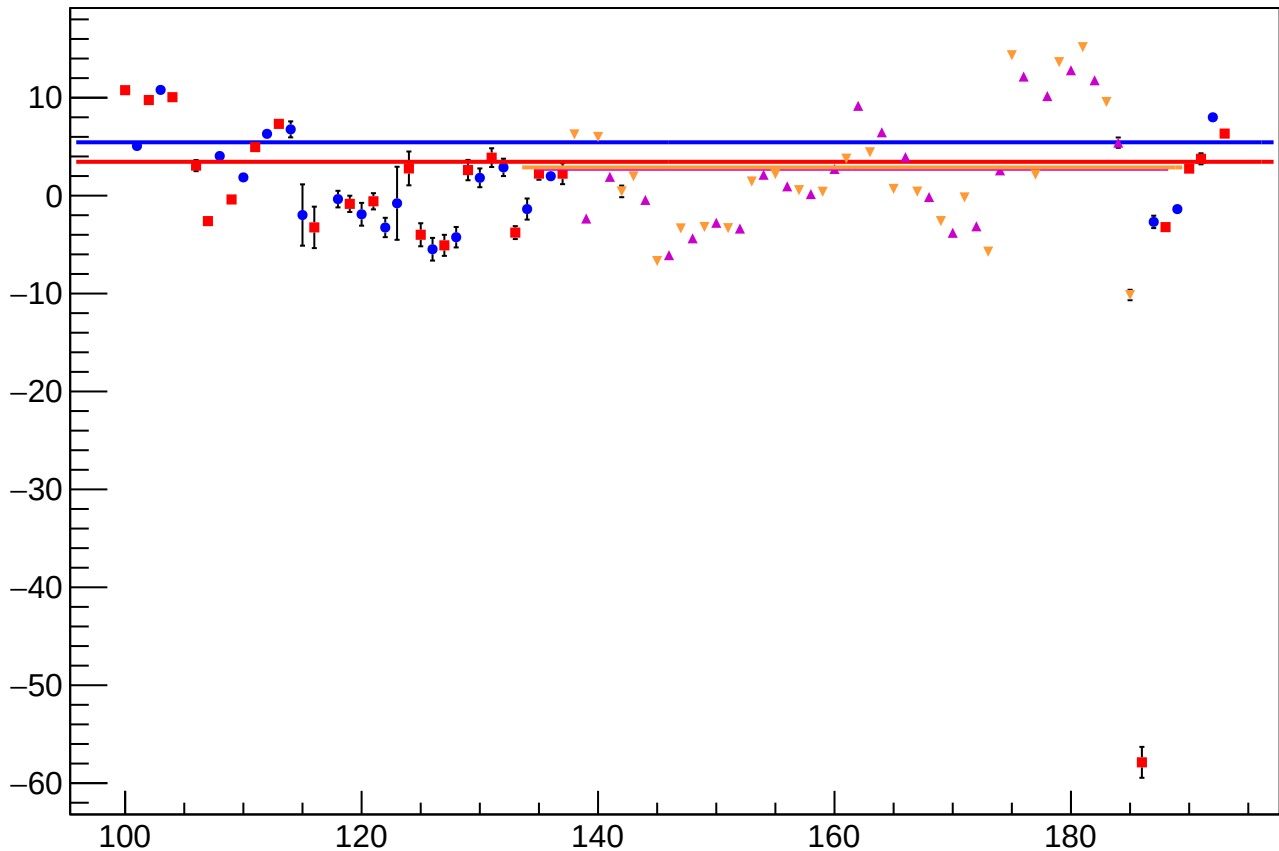
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -1.542 ± 0.038 $\chi^2/\text{NDF}: 28746.2/44$

All: -1.708 ± 0.028 $\chi^2/\text{NDF}: 65109.7/91$

- sign -1.888 ± 0.040 $\chi^2/\text{NDF}: 36324.2/46$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.447 ± 0.084 χ^2/NDF : 2028.3/19

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.454 ± 0.075 χ^2/NDF : 6987.4/23

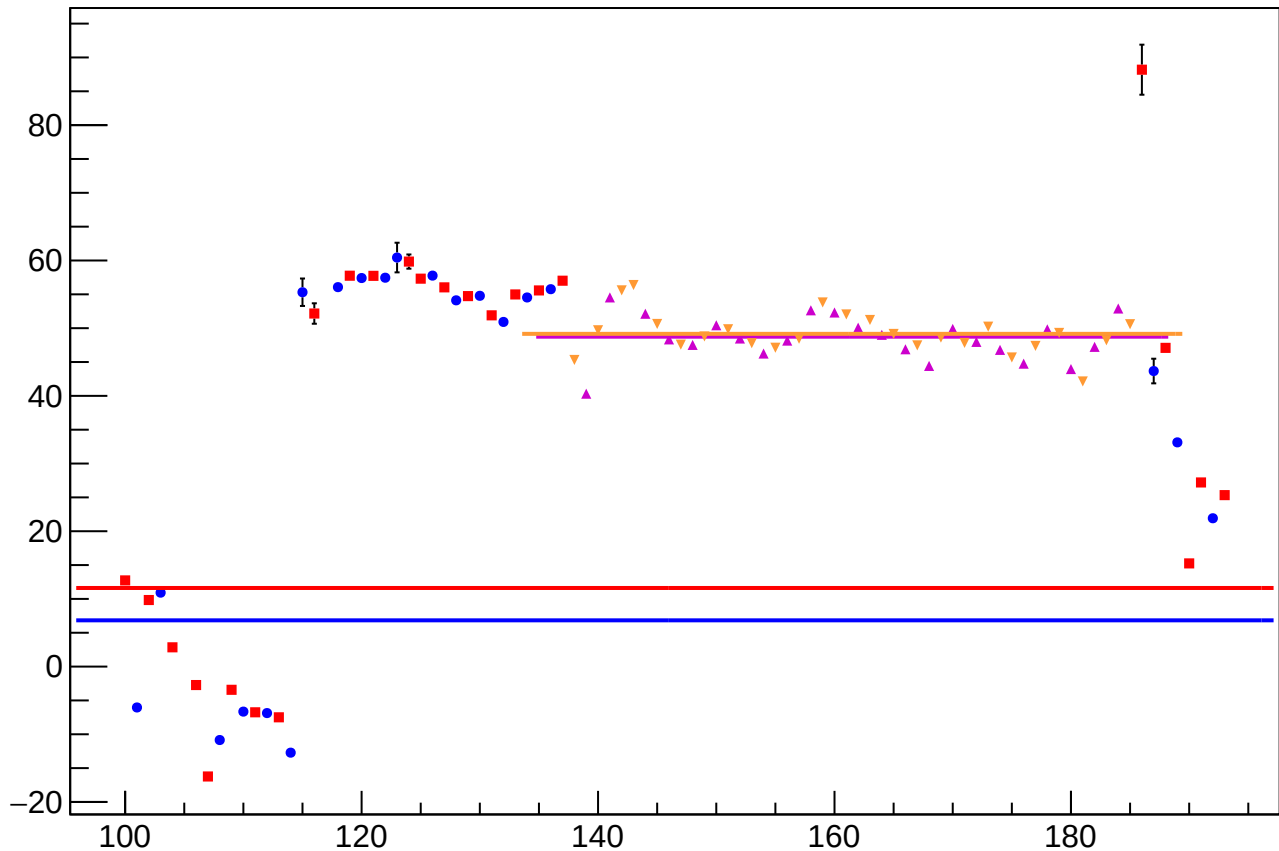
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.945 ± 0.054 χ^2/NDF : 11472.2/44

All: 3.497 ± 0.037 χ^2/NDF : 25823.2/91

- sign 3.083 ± 0.052 χ^2/NDF : 14217.4/46

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.834 ± 0.064 χ^2/NDF : 123829.1/19

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 11.615 ± 0.067 χ^2/NDF : 131718.2/23

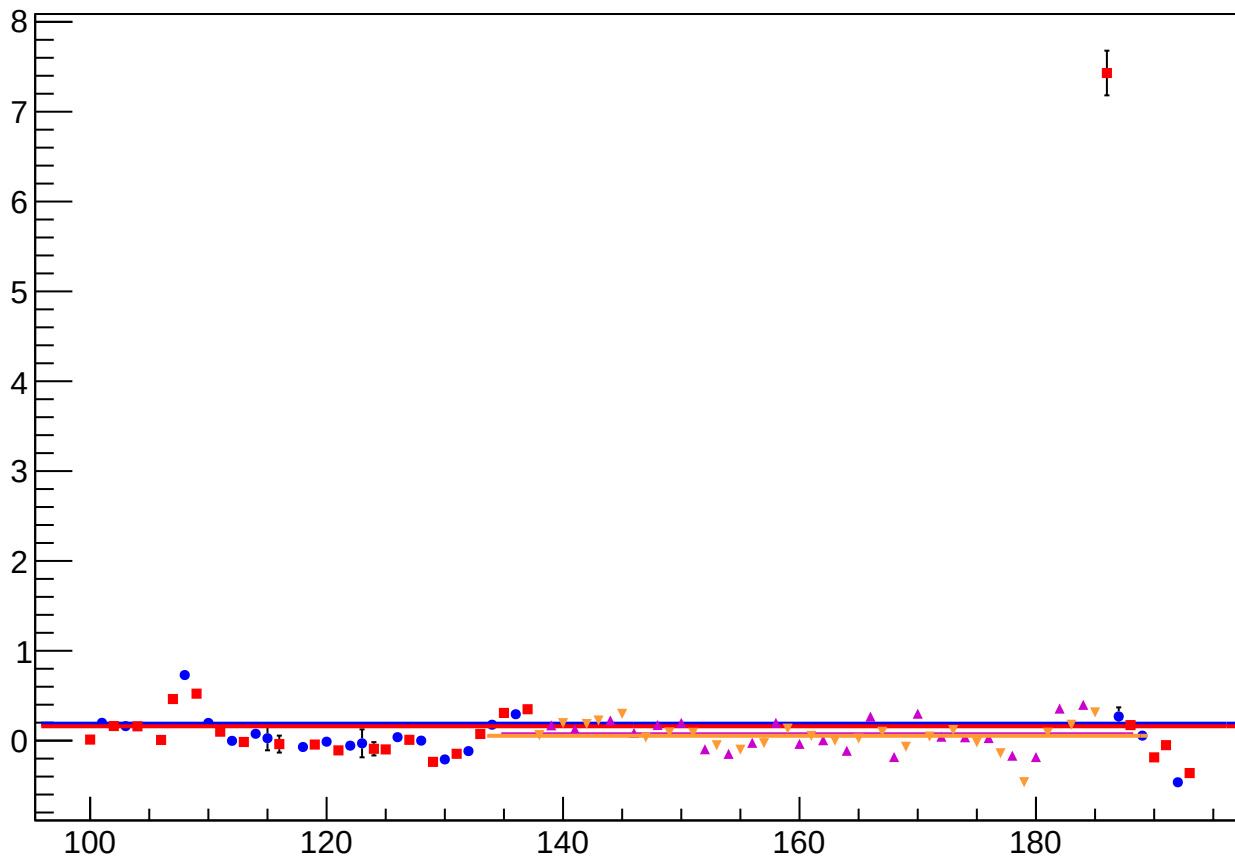
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.710 ± 0.044 χ^2/NDF : 353212.1/44

All: 29.901 ± 0.032 χ^2/NDF : 648747.5/91

- sign 31.198 ± 0.046 χ^2/NDF : 294030.6/46

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.188 $\pm$ 0.003 χ^2 /NDF: 6164.5/19

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF: 2379.8/24

Right Out: 0.160 $\pm$ 0.003 χ^2 /NDF: 5352.7/23

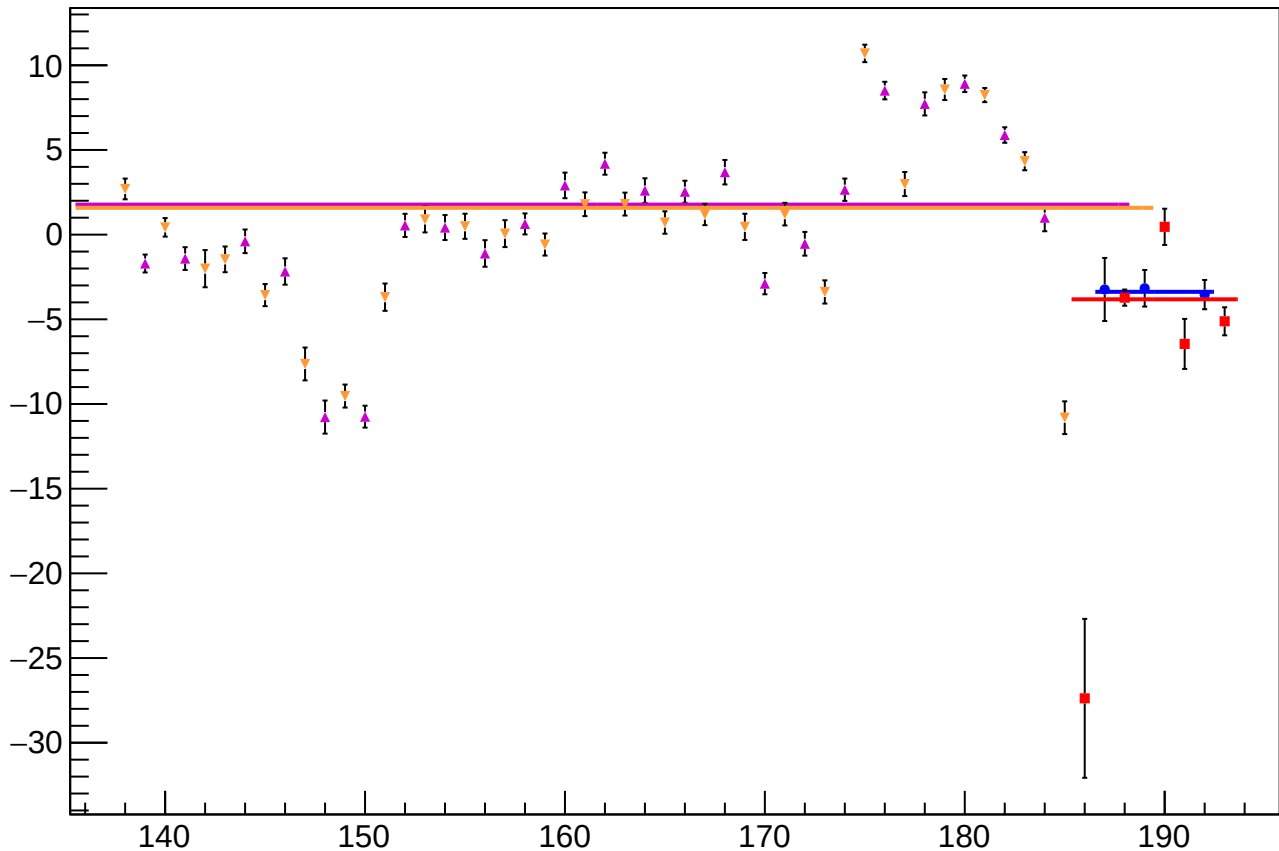
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF: 3233.8/22

+ sign 0.124 $\pm$ 0.002 χ^2 /NDF: 9729.7/44

All: 0.122 $\pm$ 0.001 χ^2 /NDF: 18858.2/91

- sign 0.120 $\pm$ 0.002 χ^2 /NDF: 9125.9/46

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -3.377 ± 0.634 χ^2/NDF : 0.1/2

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.818 ± 0.372 χ^2/NDF : 46.9/4

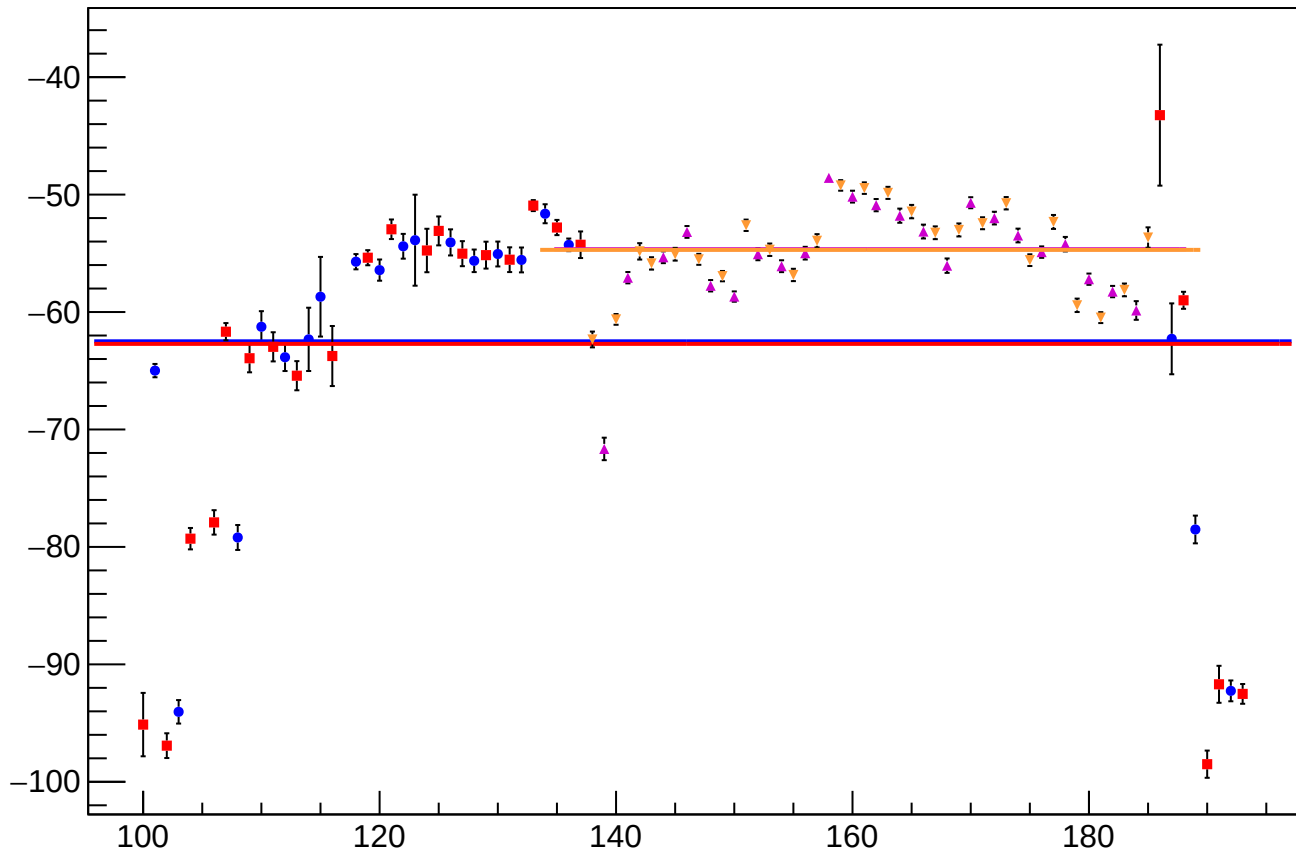
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.376 ± 0.130 χ^2/NDF : 1517.6/27

All: 1.246 ± 0.091 χ^2/NDF : 3063.5/55

- sign 1.121 ± 0.127 χ^2/NDF : 1544.0/27

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -62.493 ± 0.214 χ^2/NDF : 3406.9/19

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -62.711 ± 0.193 χ^2/NDF : 5744.5/23

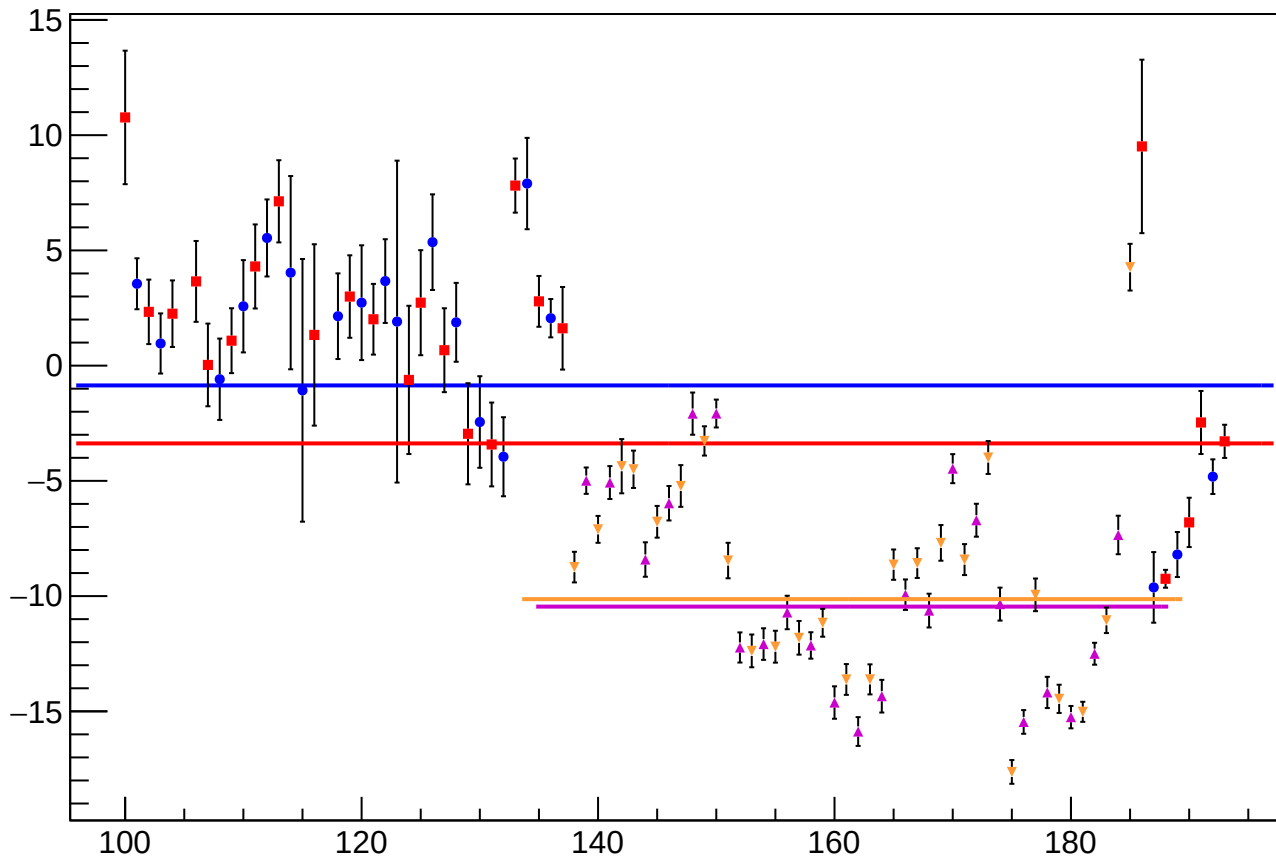
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -56.233 ± 0.095 χ^2/NDF : 5596.4/44

All: -56.422 ± 0.067 χ^2/NDF : 13739.2/91

- sign -56.613 ± 0.095 χ^2/NDF : 8134.8/46

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -0.859 ± 0.328 χ^2/NDF : 212.1/19

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -3.375 ± 0.245 χ^2/NDF : 559.2/23

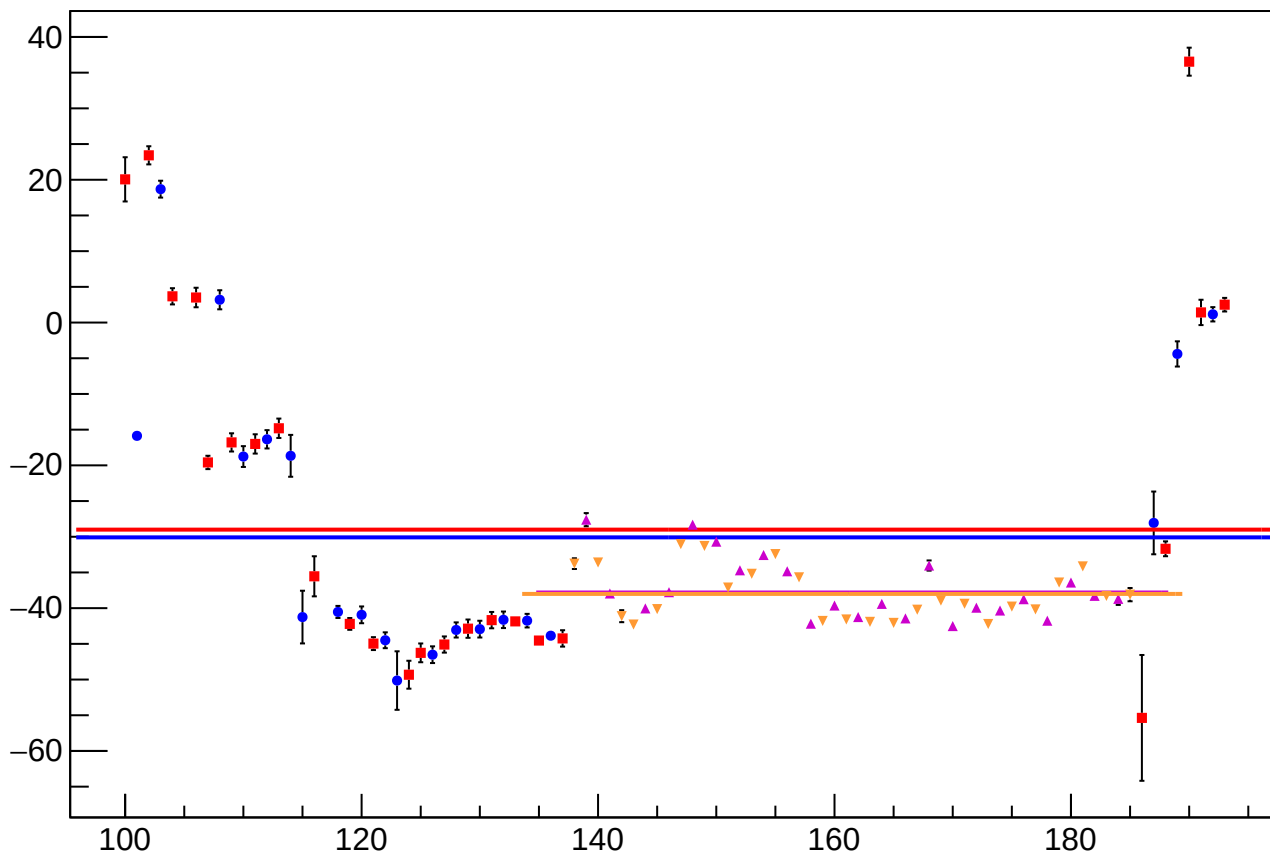
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.823 ± 0.123 χ^2/NDF : 1955.0/44

All: -8.817 ± 0.085 χ^2/NDF : 4159.6/91

- sign -8.811 ± 0.118 χ^2/NDF : 2204.6/46

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.086 ± 0.245 $\chi^2/\text{NDF}: 5927.1/19$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -29.002 ± 0.227 $\chi^2/\text{NDF}: 8768.7/23$

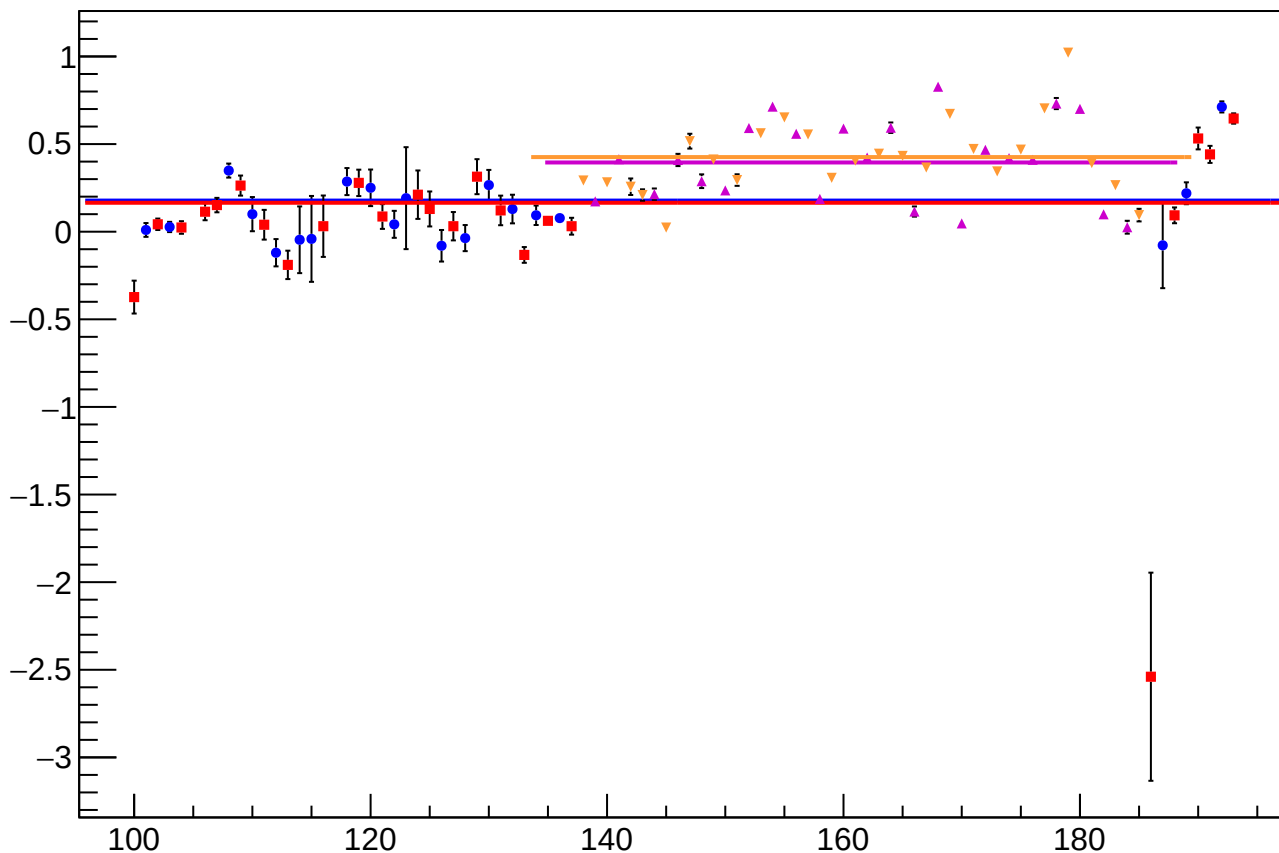
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -36.503 ± 0.107 $\chi^2/\text{NDF}: 7717.6/44$

All: -36.169 ± 0.076 $\chi^2/\text{NDF}: 18710.7/91$

- sign -35.831 ± 0.108 $\chi^2/\text{NDF}: 10973.5/46$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.178 ± 0.012 χ^2/NDF : 412.9/19

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.165 ± 0.011 χ^2/NDF : 520.8/23

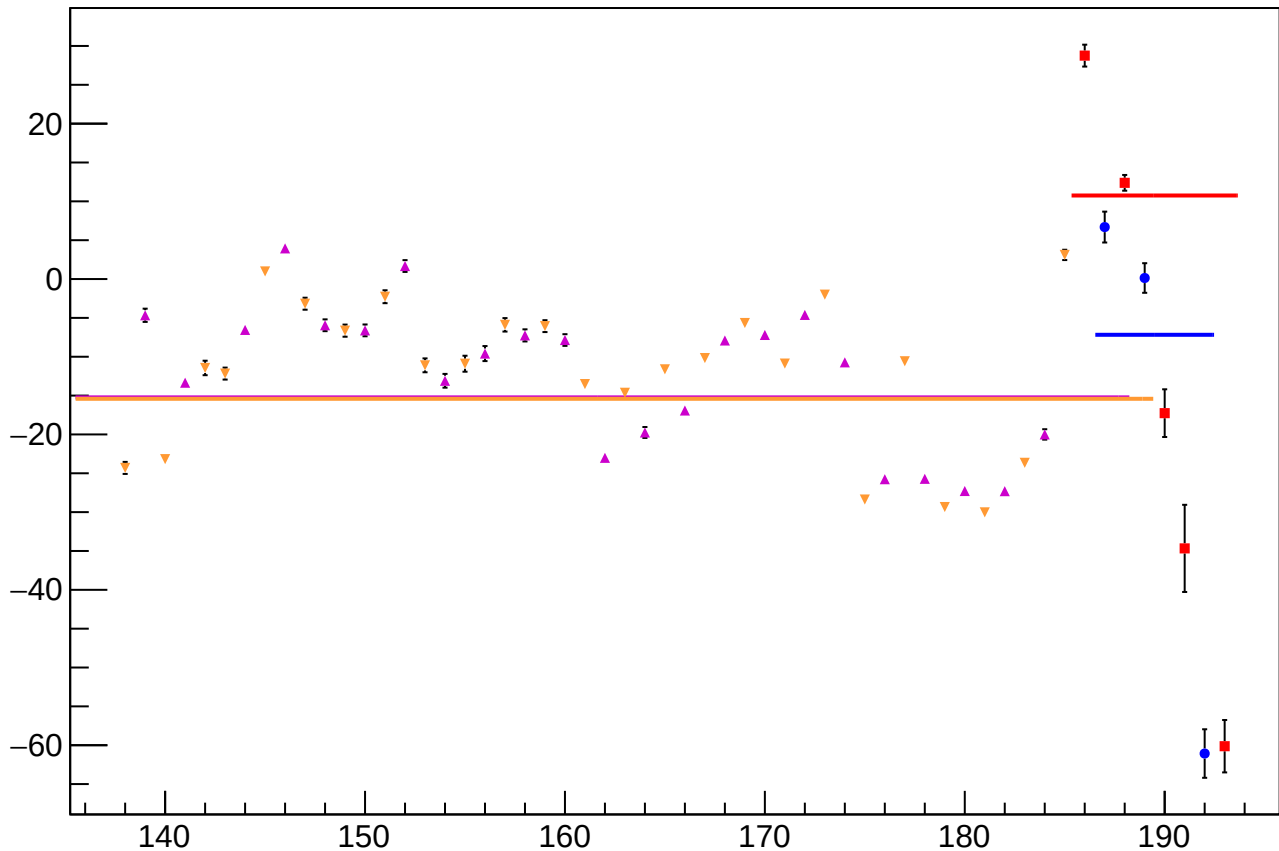
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.382 ± 0.005 χ^2/NDF : 2093.1/44

All: 0.364 ± 0.003 χ^2/NDF : 4817.0/91

- sign 0.347 ± 0.005 χ^2/NDF : 2697.4/46

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -7.176 ± 1.258 $\chi^2/\text{NDF}: 361.3/2$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: 10.753 ± 0.766 $\chi^2/\text{NDF}: 756.6/4$

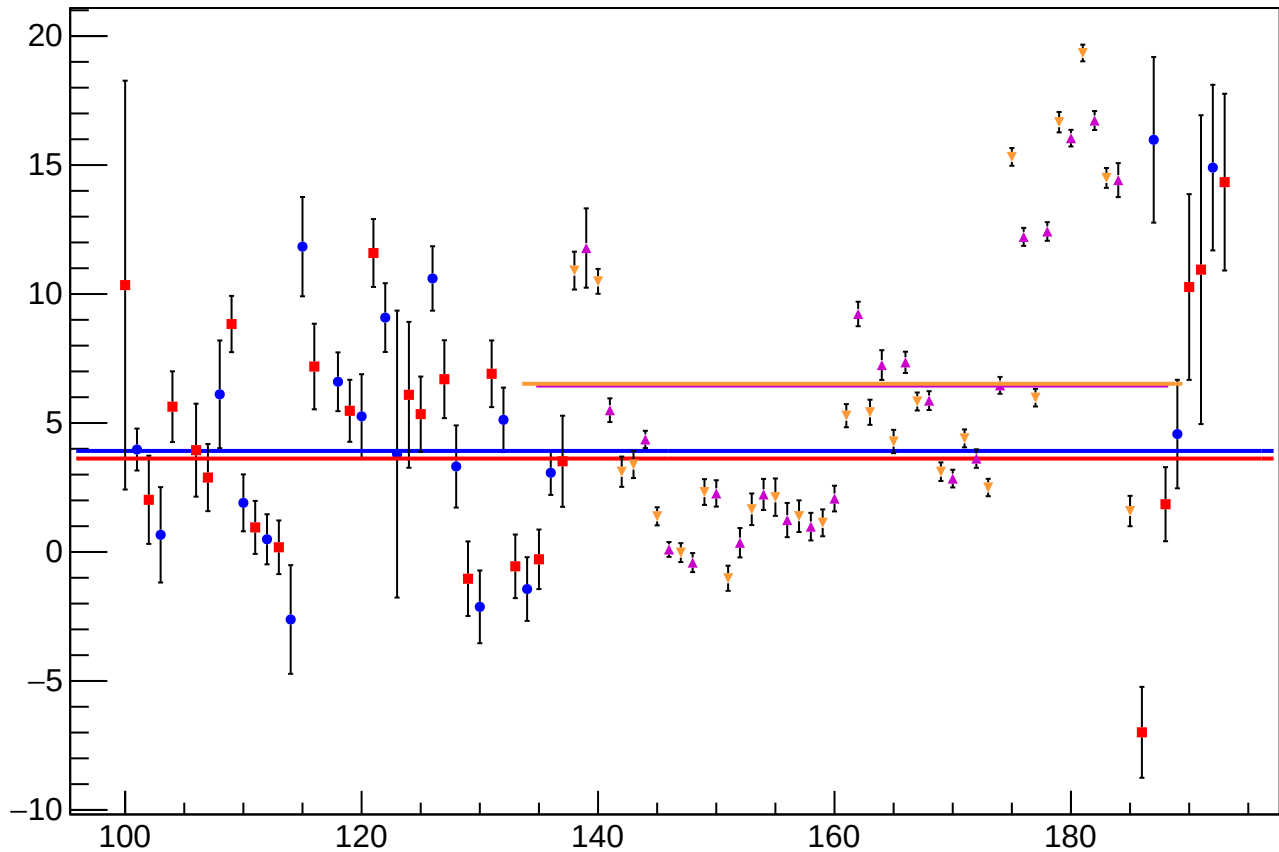
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.355 ± 0.105 $\chi^2/\text{NDF}: 10913.0/27$

All: -15.048 ± 0.074 $\chi^2/\text{NDF}: 21472.7/55$

- sign -14.735 ± 0.106 $\chi^2/\text{NDF}: 10542.4/27$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.918 ± 0.305 χ^2/NDF : 161.6/19

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.622 ± 0.302 χ^2/NDF : 186.9/23

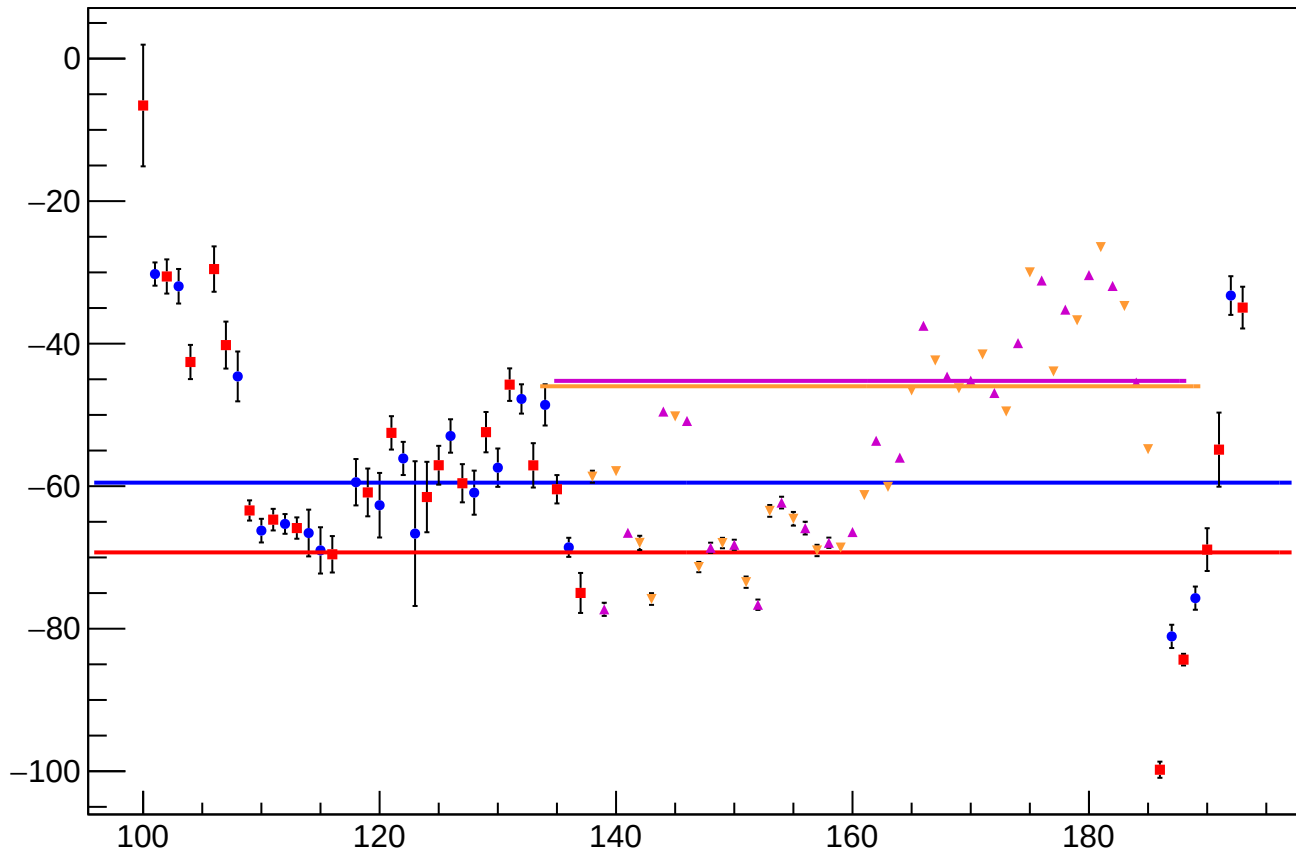
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.332 ± 0.082 χ^2/NDF : 5214.4/44

All: 6.286 ± 0.058 χ^2/NDF : 9431.2/91

- sign 6.239 ± 0.083 χ^2/NDF : 4216.1/46

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -59.505 ± 0.484 $\chi^2/\text{NDF}: 988.3/19$

Left Out: -45.982 ± 0.106 $\chi^2/\text{NDF}: 17360.1/24$

Right Out: -69.293 ± 0.408 $\chi^2/\text{NDF}: 2188.1/23$

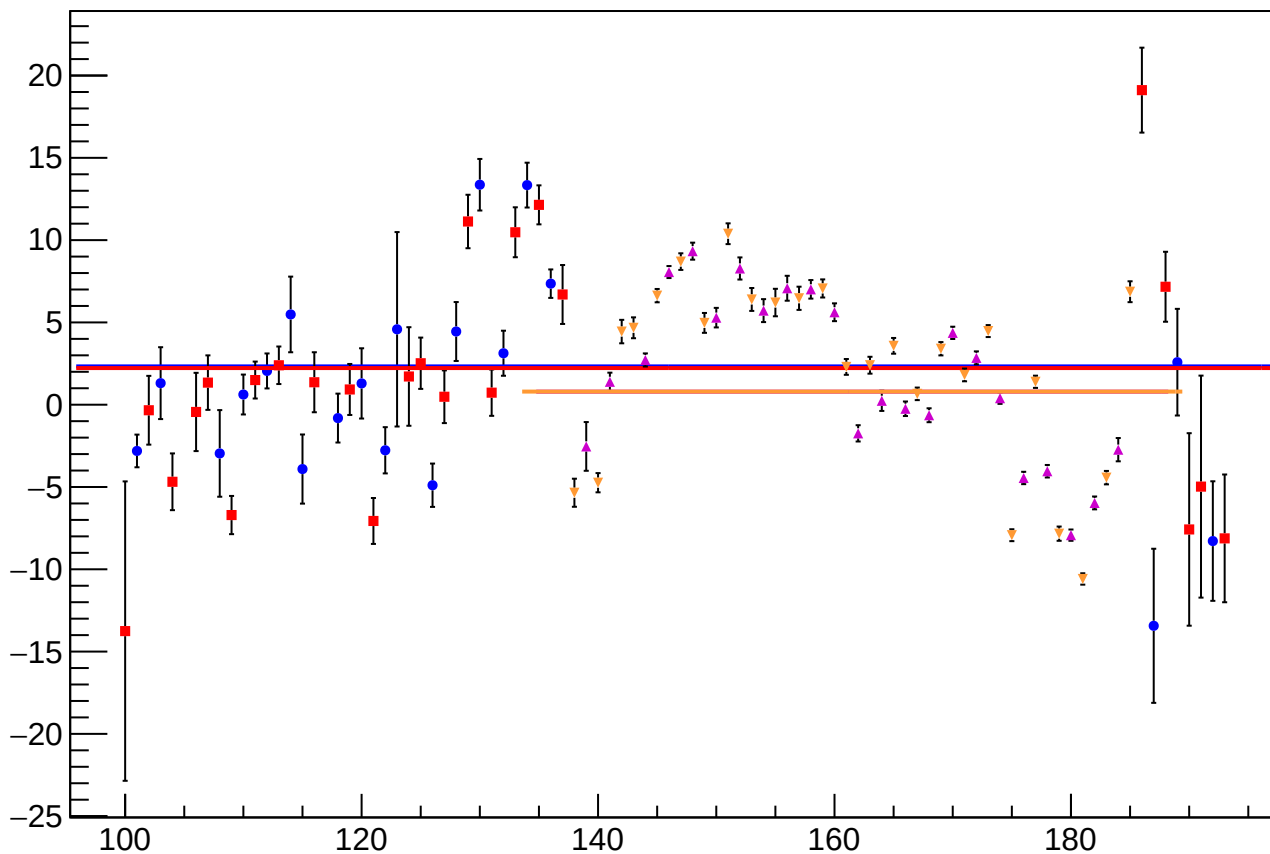
Left In: -45.222 ± 0.107 $\chi^2/\text{NDF}: 15600.2/22$

+ sign -46.603 ± 0.104 $\chi^2/\text{NDF}: 19092.4/44$

All: -46.690 ± 0.073 $\chi^2/\text{NDF}: 40141.0/91$

- sign -46.778 ± 0.104 $\chi^2/\text{NDF}: 21047.2/46$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.328 $\pm$ 0.343 χ^2 /NDF: 262.4/19

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.226 $\pm$ 0.345 χ^2 /NDF: 324.7/23

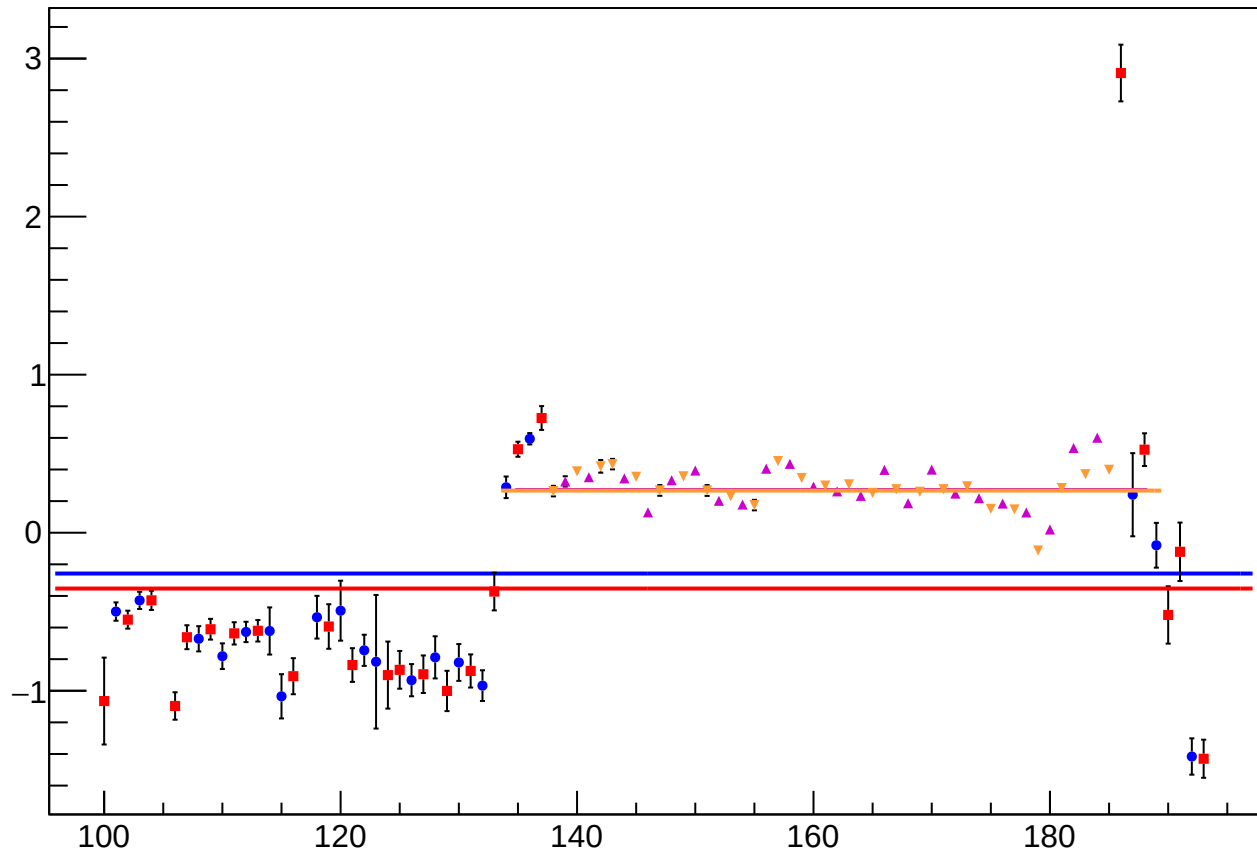
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.907 $\pm$ 0.092 χ^2 /NDF: 4040.8/44

All: 0.902 $\pm$ 0.065 χ^2 /NDF: 7074.0/91

- sign 0.896 $\pm$ 0.093 χ^2 /NDF: 3033.2/46

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.258 ± 0.018 χ^2/NDF : 1065.6/19

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.353 ± 0.018 χ^2/NDF : 1333.9/23

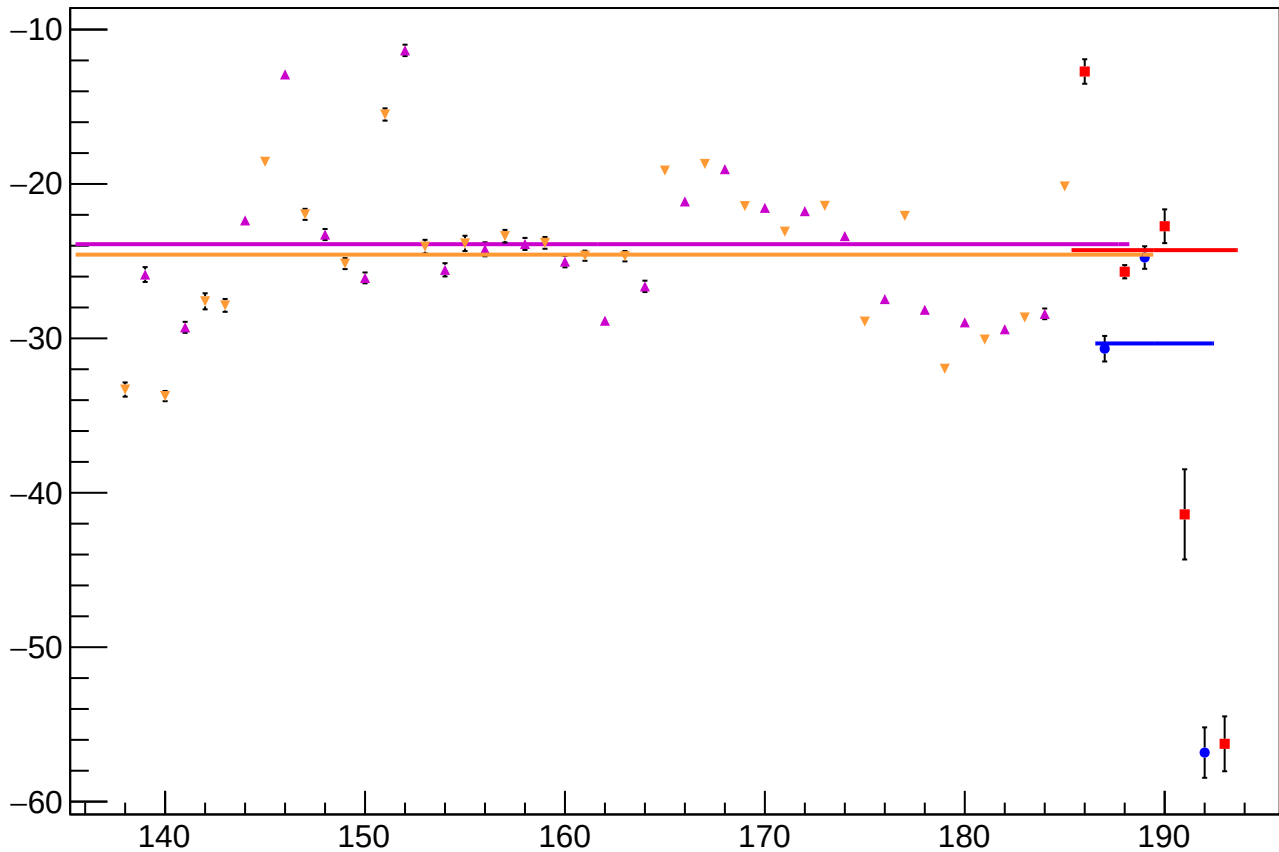
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.239 ± 0.004 χ^2/NDF : 2530.5/44

All: 0.237 ± 0.003 χ^2/NDF : 5943.8/91

- sign 0.235 ± 0.004 χ^2/NDF : 3412.9/46

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.329 ± 0.519 $\chi^2/\text{NDF}: 321.5/2$

Left Out: -24.577 ± 0.051 $\chi^2/\text{NDF}: 8590.4/24$

Right Out: -24.286 ± 0.348 $\chi^2/\text{NDF}: 582.8/4$

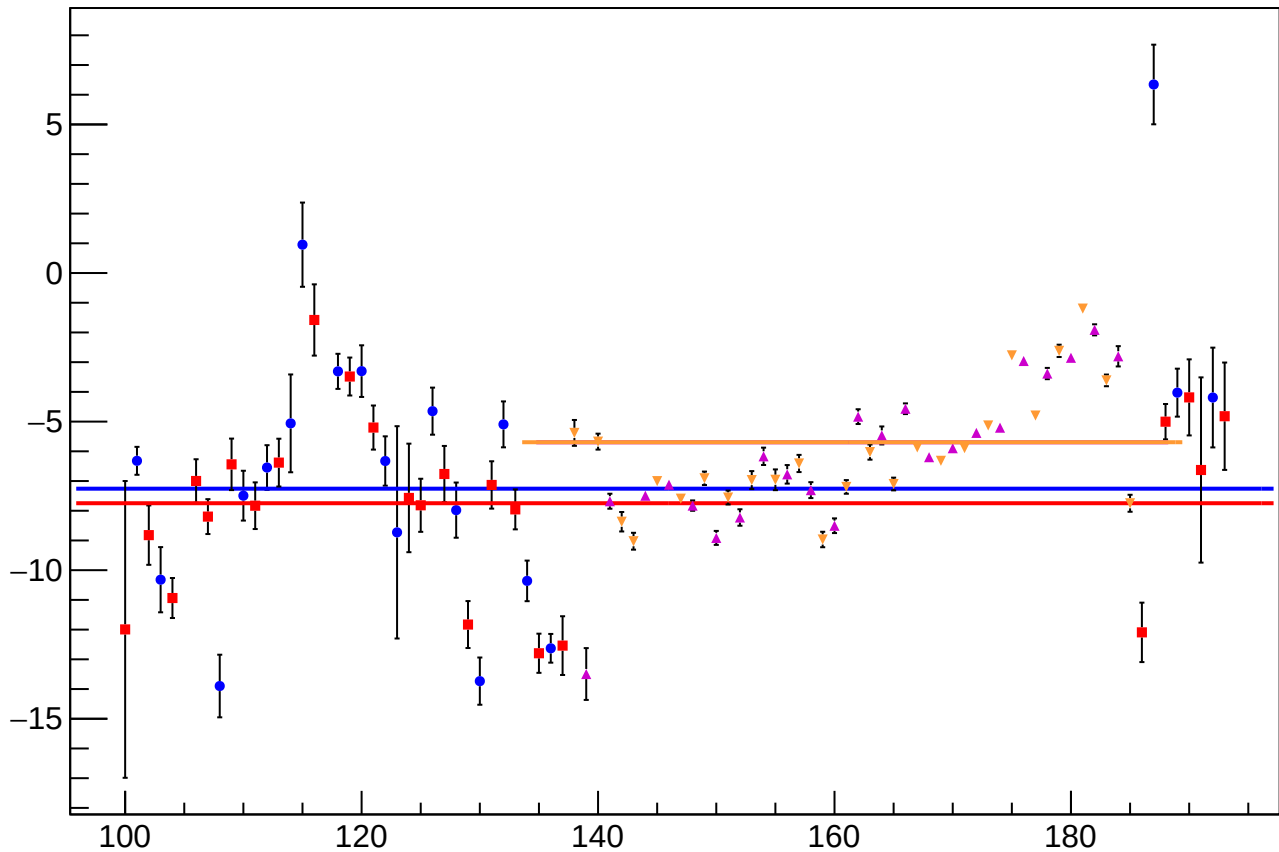
Left In: -23.901 ± 0.051 $\chi^2/\text{NDF}: 9154.9/22$

+ sign -24.632 ± 0.051 $\chi^2/\text{NDF}: 9033.5/27$

All: -24.269 ± 0.036 $\chi^2/\text{NDF}: 18874.3/55$

- sign -23.909 ± 0.051 $\chi^2/\text{NDF}: 9738.9/27$

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.257 ± 0.180 χ^2/NDF : 507.0/19

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.747 ± 0.172 χ^2/NDF : 275.3/23

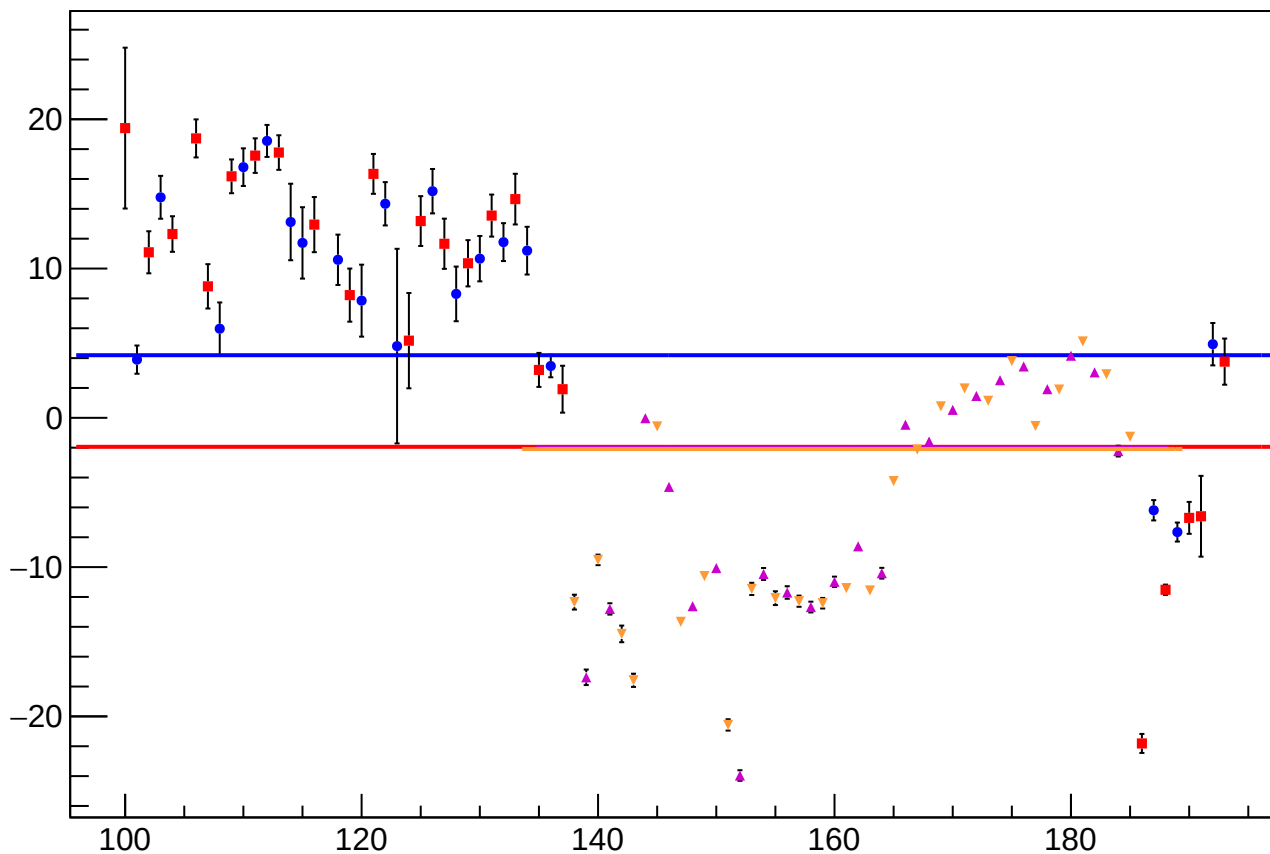
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.772 ± 0.040 χ^2/NDF : 2837.1/44

All: -5.789 ± 0.028 χ^2/NDF : 5556.8/91

- sign -5.805 ± 0.040 χ^2/NDF : 2719.3/46

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 4.194 ± 0.269 χ^2/NDF : 1135.6/19

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -1.942 ± 0.217 χ^2/NDF : 3906.7/23

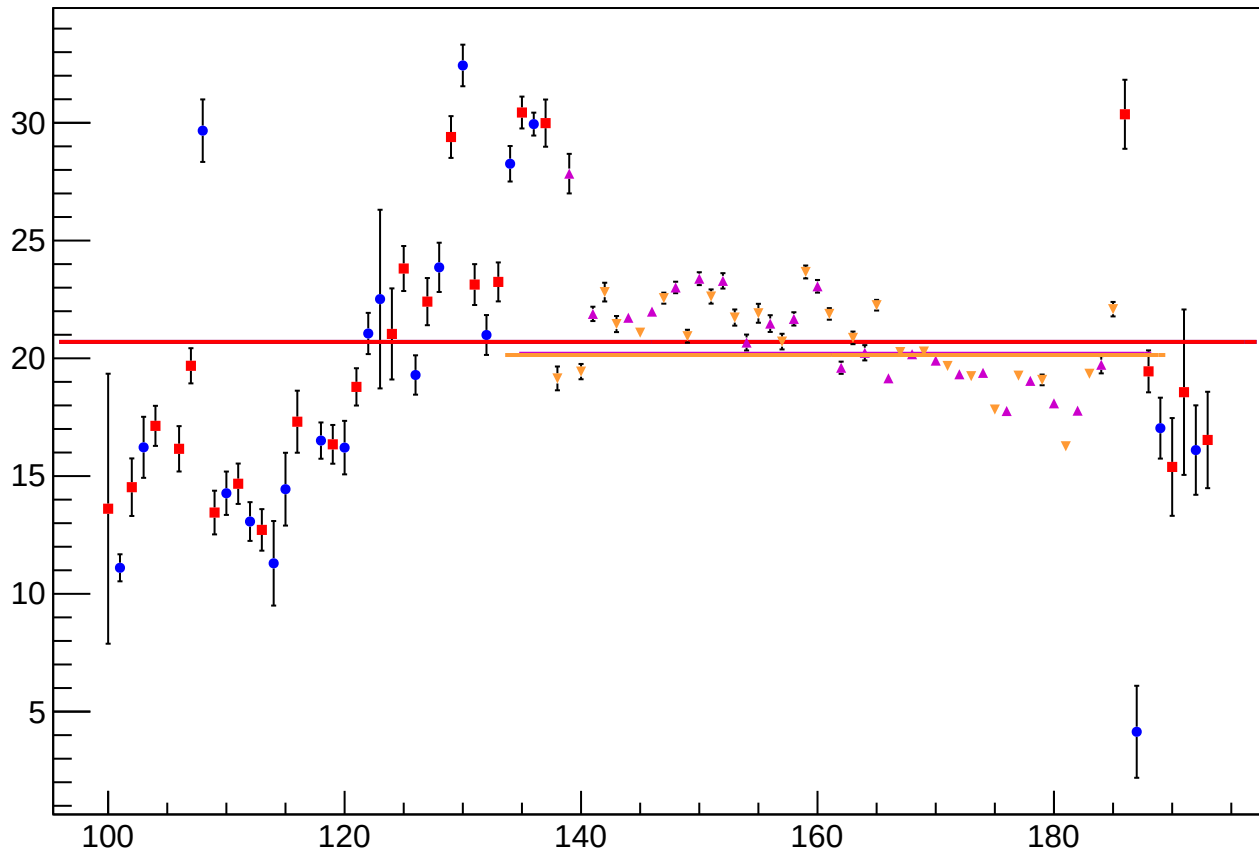
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -1.870 ± 0.050 χ^2/NDF : 17969.1/44

All: -1.925 ± 0.035 χ^2/NDF : 37260.4/91

- sign -1.978 ± 0.050 χ^2/NDF : 19289.1/46

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.697 ± 0.206 χ^2/NDF : 1297.8/19

Left Out: 20.141 ± 0.046 χ^2/NDF : 1419.1/24

Right Out: 20.697 ± 0.203 χ^2/NDF : 778.2/23

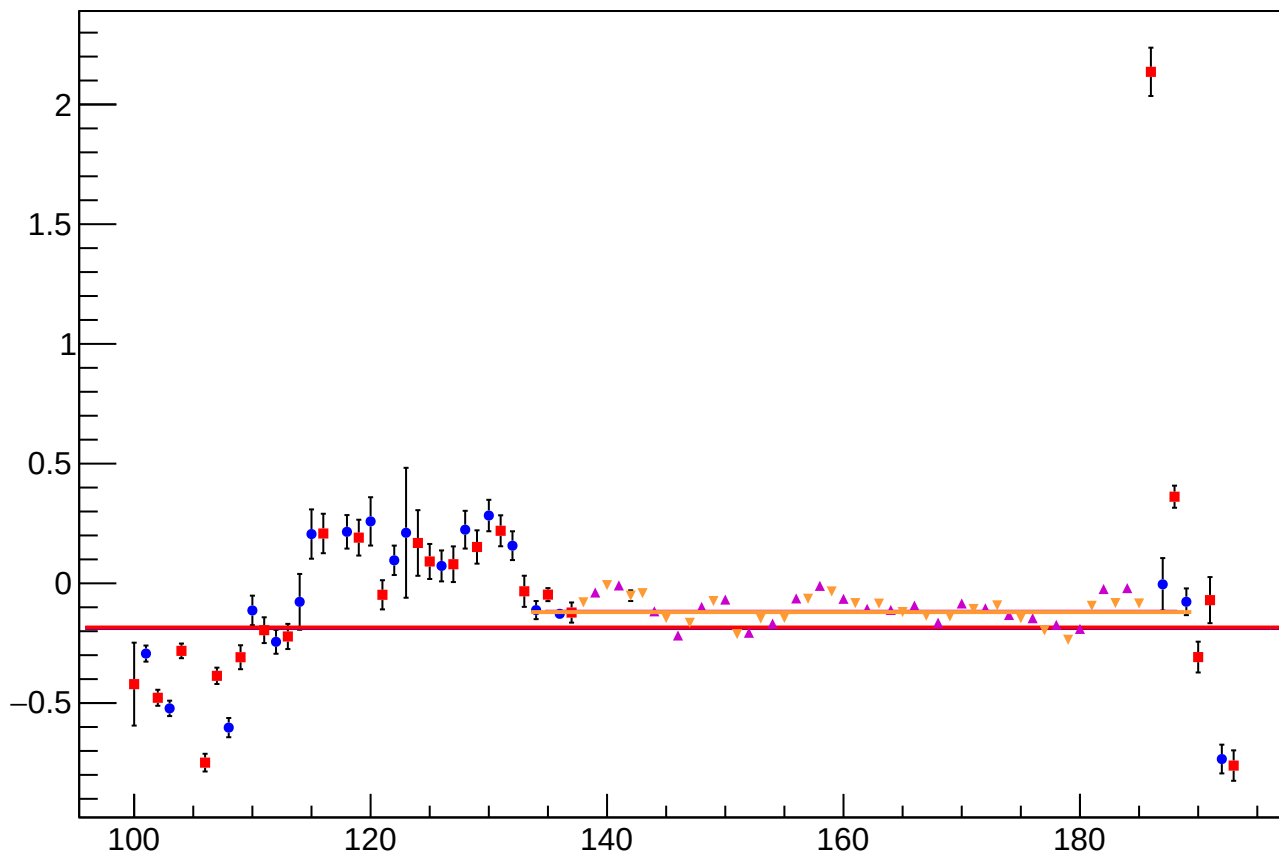
Left In: 20.194 ± 0.046 χ^2/NDF : 1447.4/22

+ sign 20.167 ± 0.045 χ^2/NDF : 2723.8/44

All: 20.193 ± 0.032 χ^2/NDF : 4955.9/91

- sign 20.219 ± 0.045 χ^2/NDF : 2231.4/46

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.187 ± 0.011 χ^2/NDF : 549.1/19

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.185 ± 0.010 χ^2/NDF : 1301.6/23

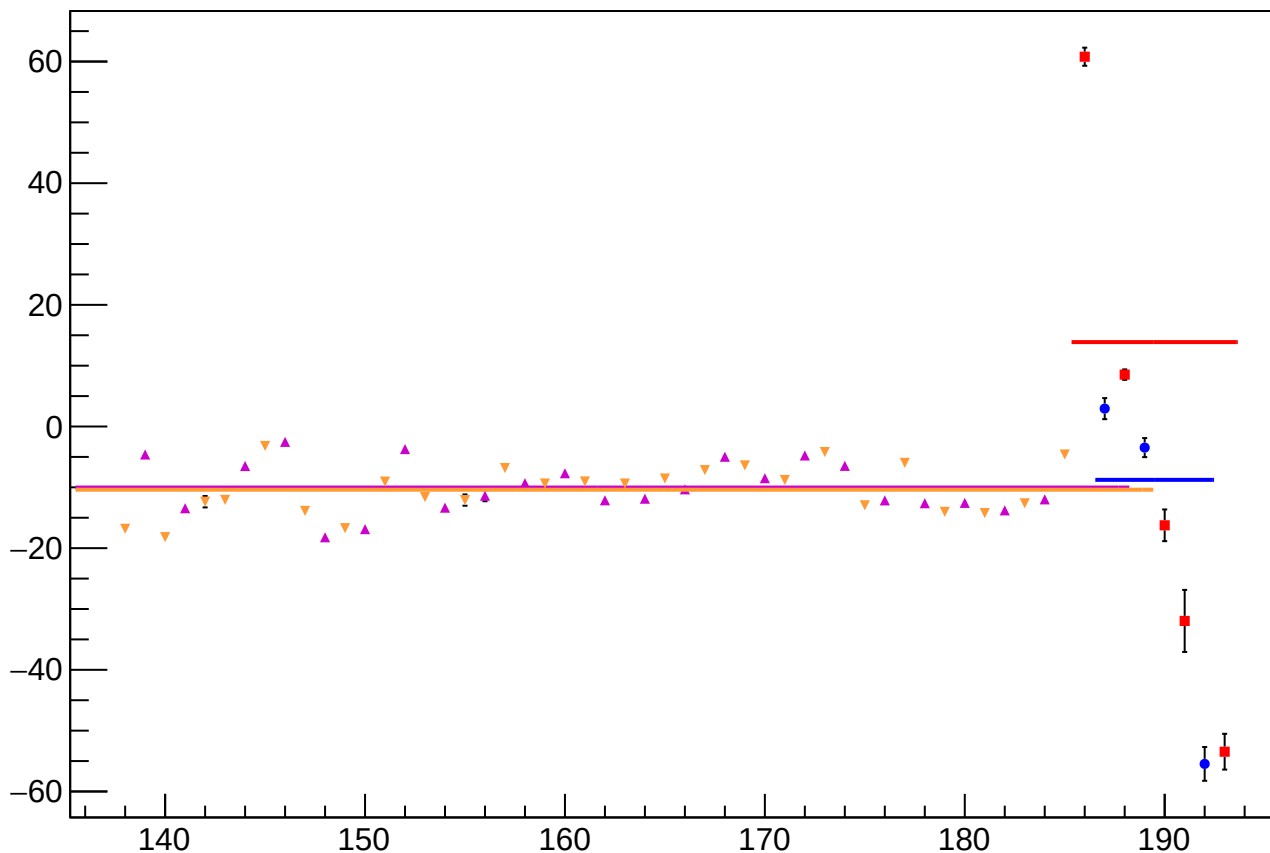
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.123 ± 0.002 χ^2/NDF : 1116.3/44

All: -0.122 ± 0.001 χ^2/NDF : 3179.3/91

- sign -0.121 ± 0.002 χ^2/NDF : 2062.9/46

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -8.769 ± 1.072 χ^2/NDF : 340.1/2

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: 13.878 ± 0.689 χ^2/NDF : 1773.3/4

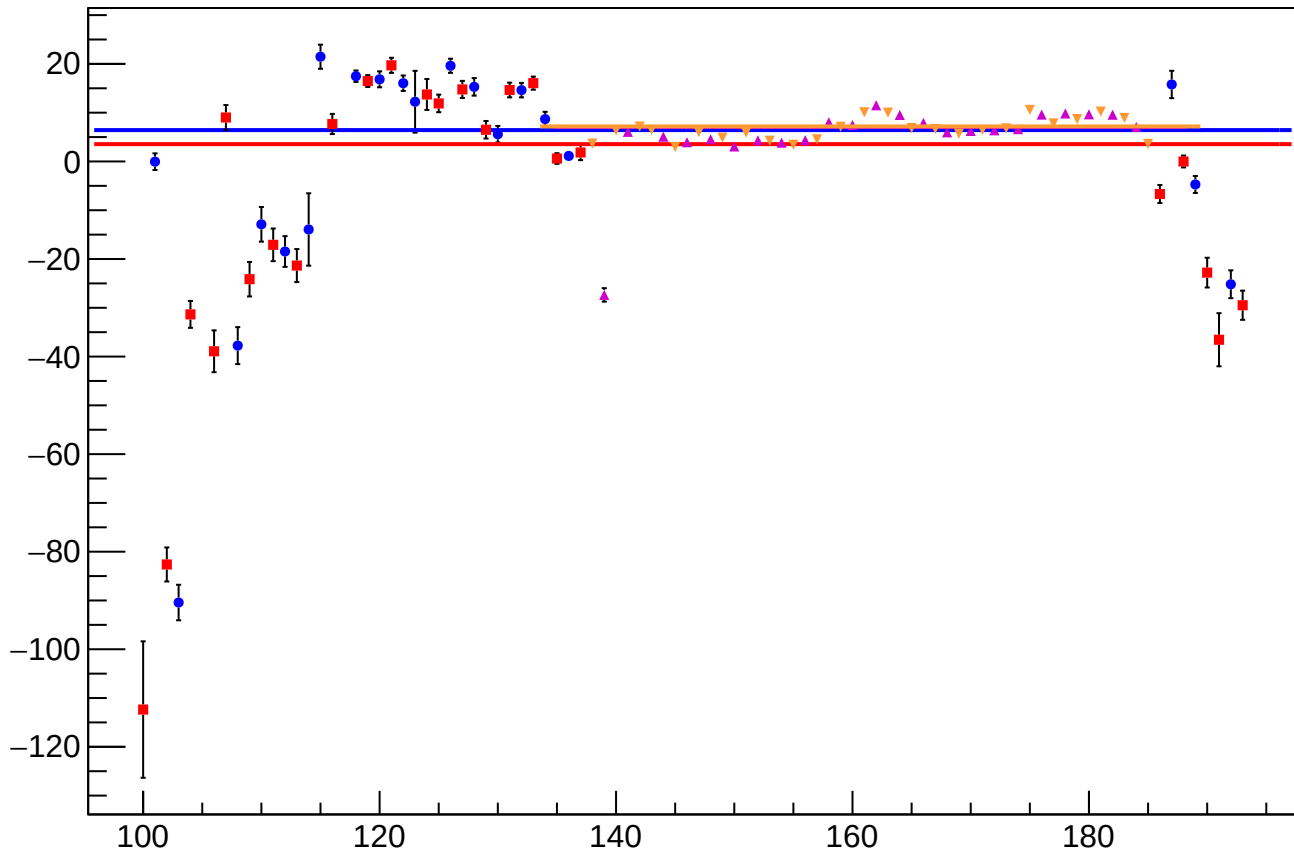
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.380 ± 0.088 χ^2/NDF : 2453.9/27

All: -10.014 ± 0.062 χ^2/NDF : 7207.2/55

- sign -9.638 ± 0.089 χ^2/NDF : 4717.9/27

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 6.430 ± 0.389 χ^2/NDF : 1522.3/19

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 3.549 ± 0.392 χ^2/NDF : 1835.4/23

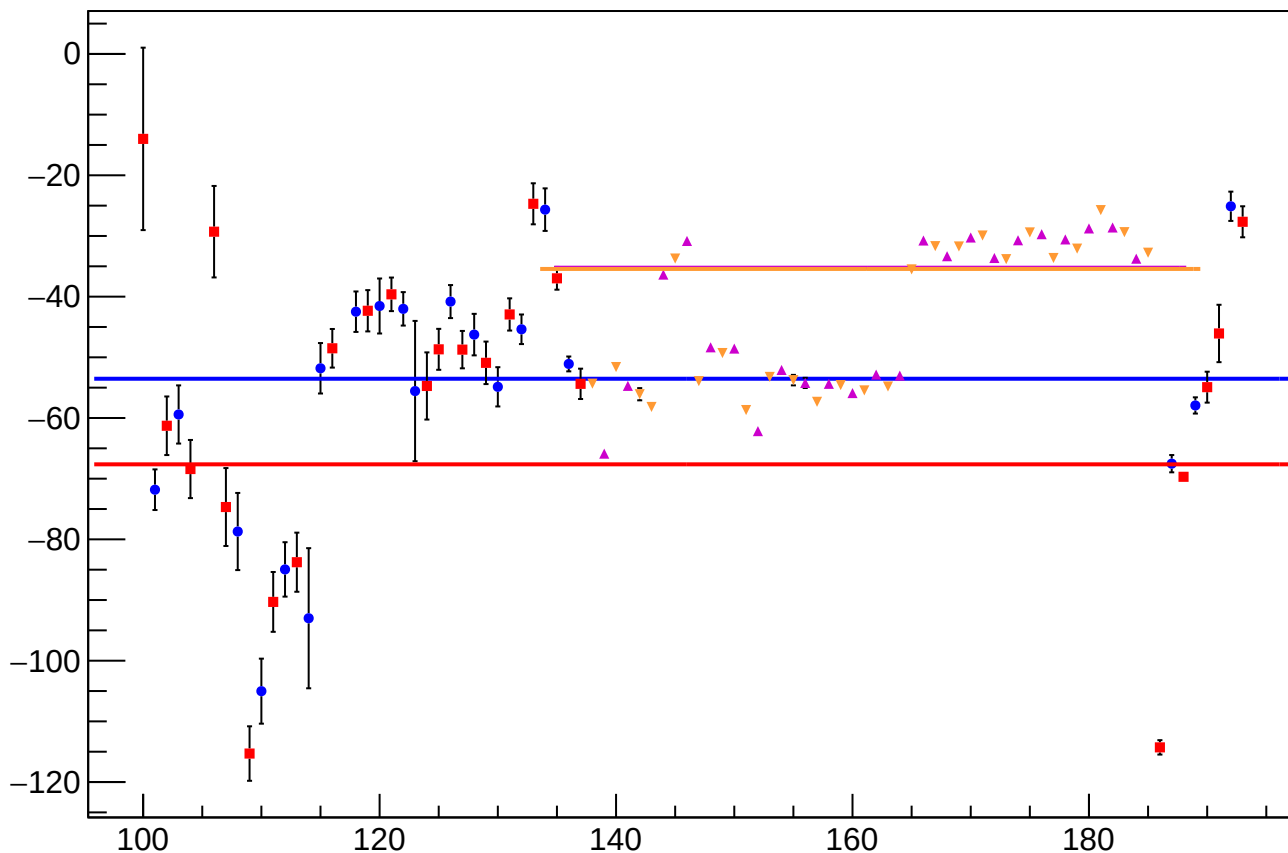
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.158 ± 0.072 χ^2/NDF : 2443.2/44

All: 7.046 ± 0.051 χ^2/NDF : 5896.5/91

- sign 6.932 ± 0.073 χ^2/NDF : 3448.4/46

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -53.530 ± 0.573 χ^2/NDF : 586.9/19

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -67.637 ± 0.461 χ^2/NDF : 2862.0/23

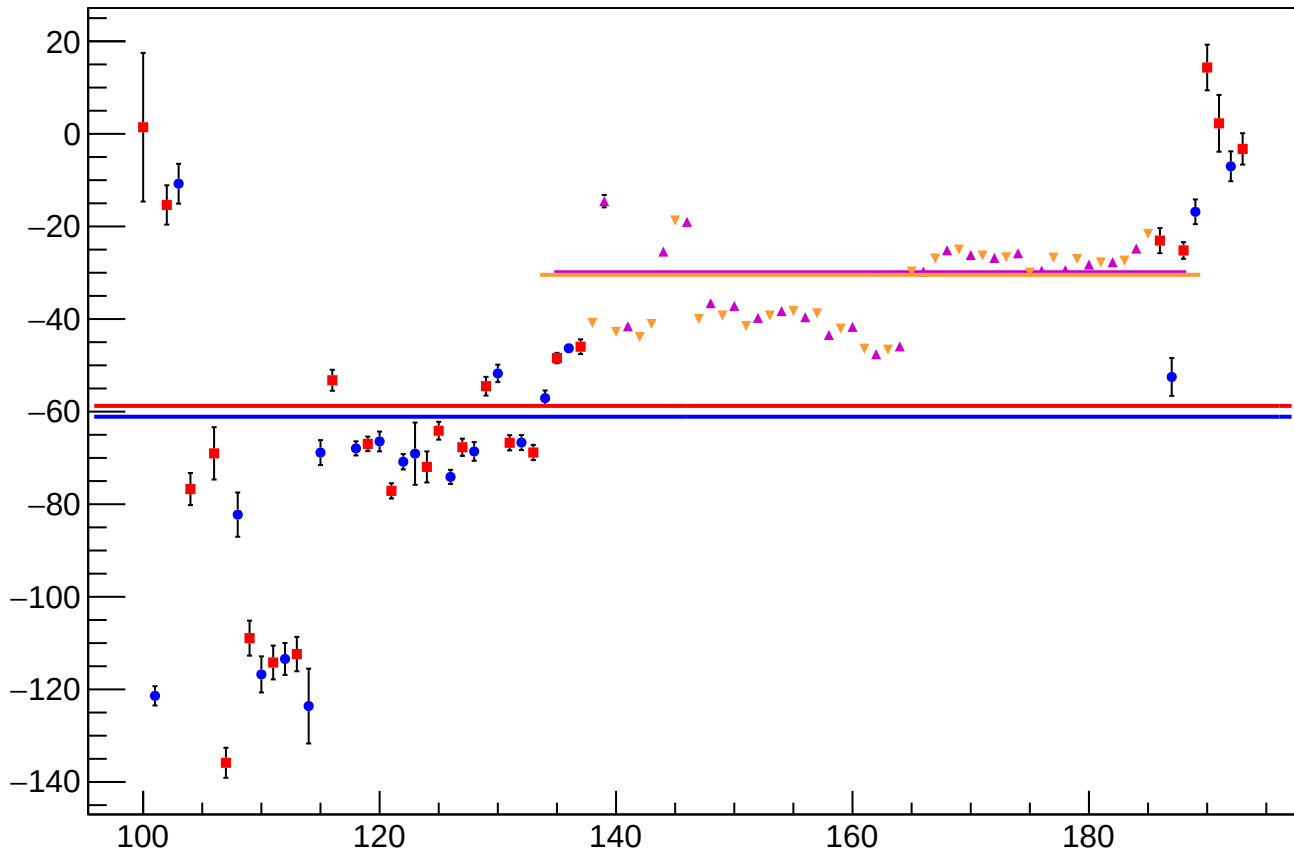
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.860 ± 0.088 χ^2/NDF : 14342.5/44

All: -36.140 ± 0.062 χ^2/NDF : 33590.4/91

- sign -36.422 ± 0.088 χ^2/NDF : 19227.6/46

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -61.102 $\pm$ 0.436 χ^2 /NDF: 2593.8/19

Left Out: -30.448 $\pm$ 0.082 χ^2 /NDF: 8167.7/24

Right Out: -58.763 $\pm$ 0.453 χ^2 /NDF: 2854.2/23

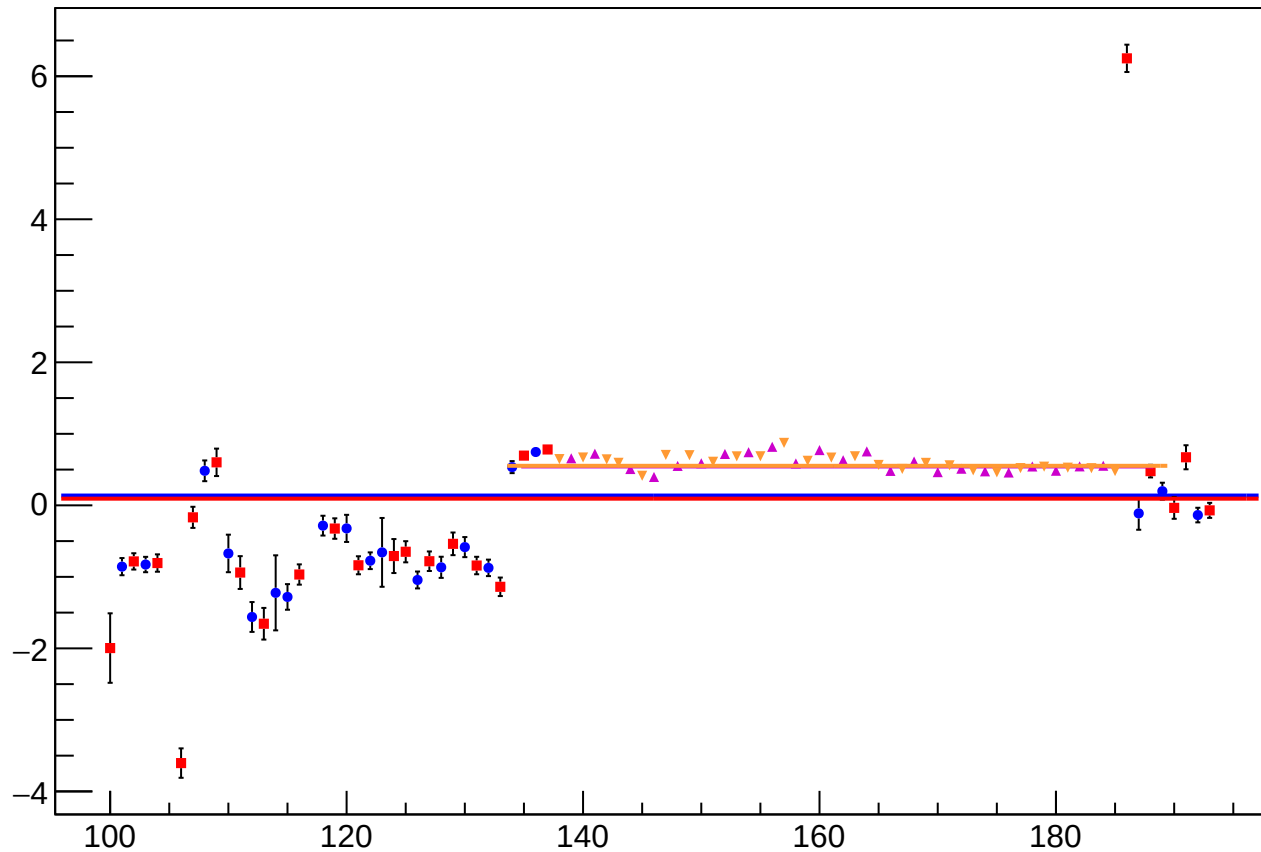
Left In: -29.892 $\pm$ 0.083 χ^2 /NDF: 7115.0/22

+ sign -31.482 $\pm$ 0.080 χ^2 /NDF: 15529.2/44

All: -31.155 $\pm$ 0.057 χ^2 /NDF: 29460.8/91

- sign -30.820 $\pm$ 0.081 χ^2 /NDF: 13897.9/46

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.137 $\pm$ 0.023 χ^2 /NDF: 996.4/19

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF: 542.1/24

Right Out: 0.093 $\pm$ 0.024 χ^2 /NDF: 2264.6/23

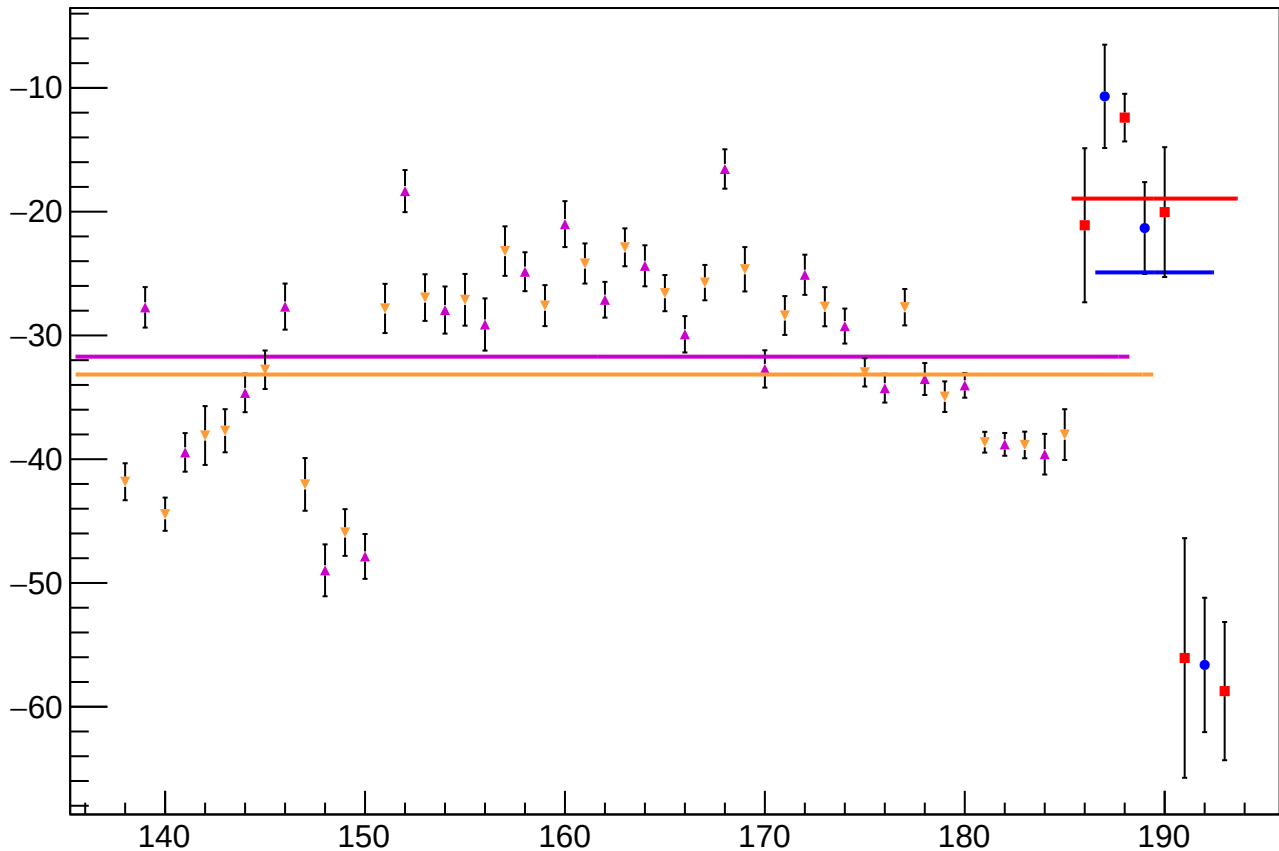
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF: 655.9/22

+ sign 0.542 $\pm$ 0.004 χ^2 /NDF: 1861.1/44

All: 0.537 $\pm$ 0.003 χ^2 /NDF: 5134.7/91

- sign 0.533 $\pm$ 0.004 χ^2 /NDF: 3270.2/46

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -24.906 ± 2.470 χ^2/NDF : 46.7/2

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -18.942 ± 1.633 χ^2/NDF : 77.2/4

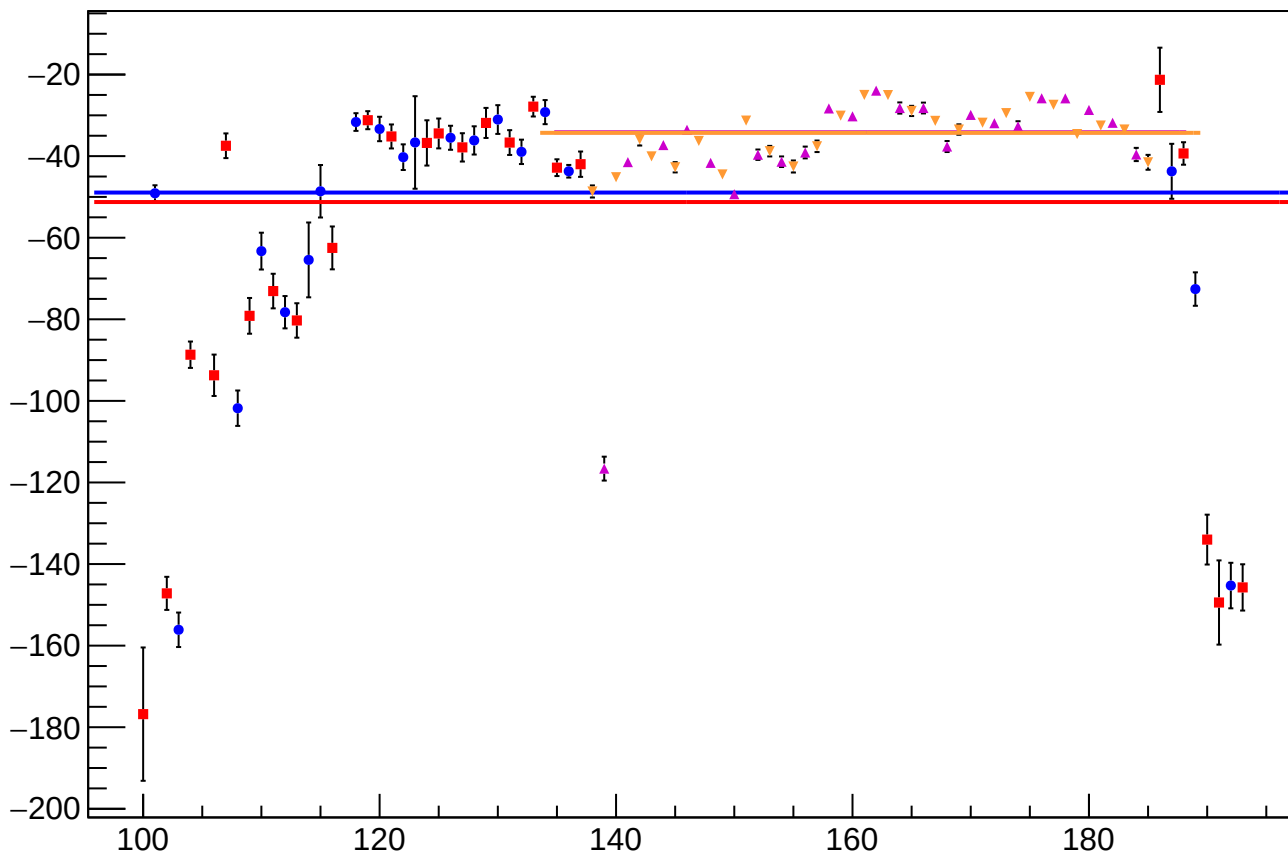
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -33.037 ± 0.298 χ^2/NDF : 557.8/27

All: -32.171 ± 0.213 χ^2/NDF : 1253.5/55

- sign -31.273 ± 0.304 χ^2/NDF : 678.5/27

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -48.928 ± 0.709 χ^2/NDF : 1418.2/19

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -51.253 ± 0.721 χ^2/NDF : 1871.2/23

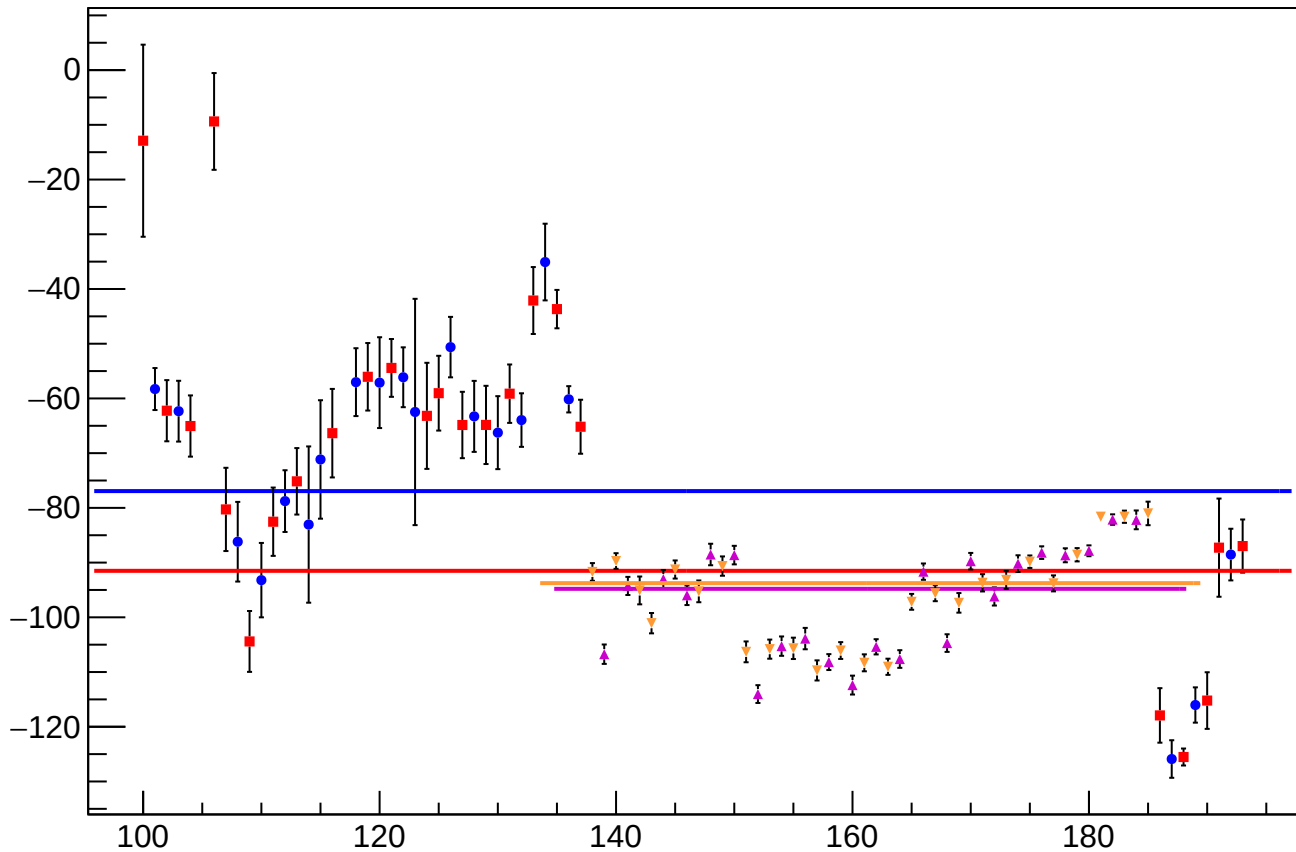
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -35.808 ± 0.229 χ^2/NDF : 2495.3/44

All: -35.897 ± 0.164 χ^2/NDF : 6322.4/91

- sign -35.994 ± 0.237 χ^2/NDF : 3826.7/46

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -76.933 ± 1.116 $\chi^2/\text{NDF}: 547.2/19$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -91.502 ± 0.966 $\chi^2/\text{NDF}: 1177.3/23$

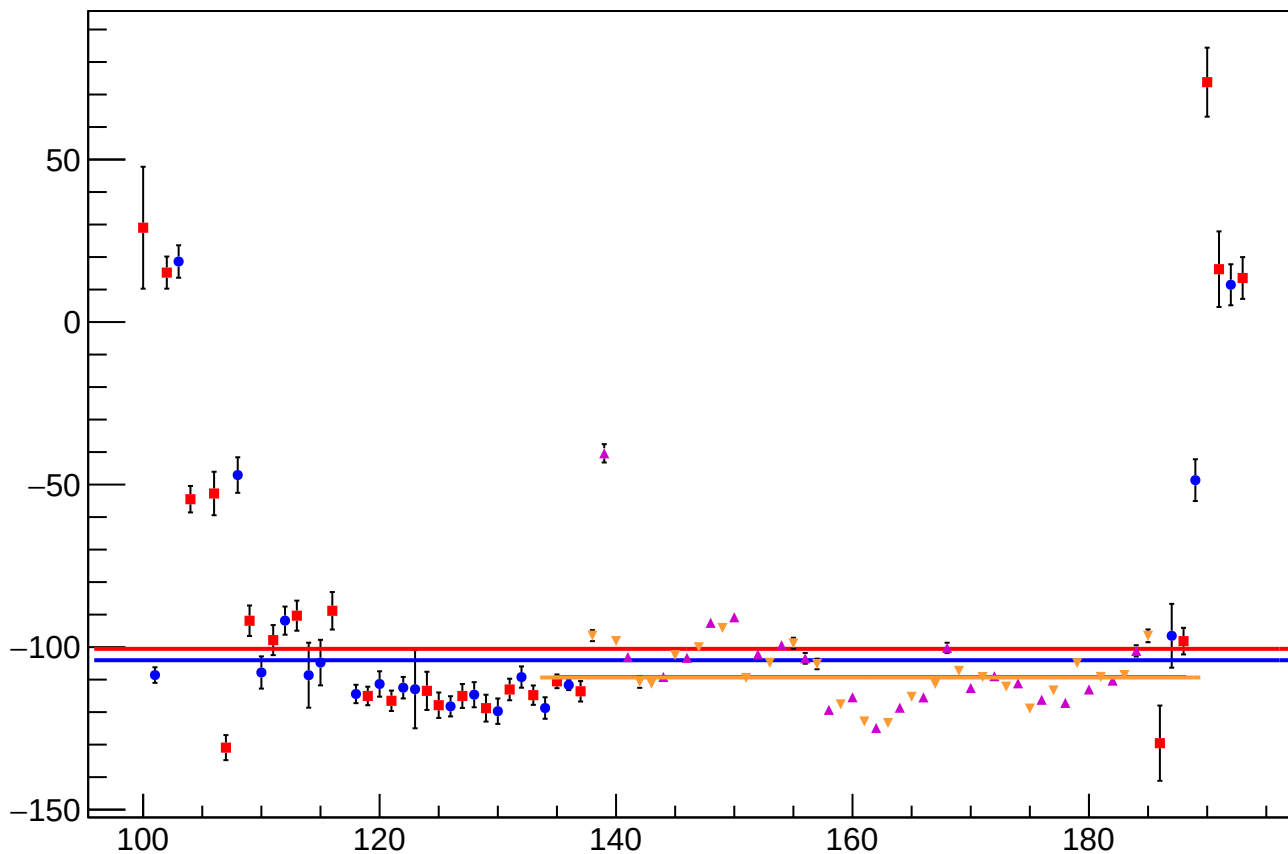
Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

+ sign -92.609 ± 0.291 $\chi^2/\text{NDF}: 1641.8/44$

All: -93.542 ± 0.207 $\chi^2/\text{NDF}: 3825.0/91$

- sign -94.491 ± 0.294 $\chi^2/\text{NDF}: 2162.5/46$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -104.035 ± 0.802 χ^2/NDF : 1248.9/19

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -100.532 ± 0.830 χ^2/NDF : 1732.0/23

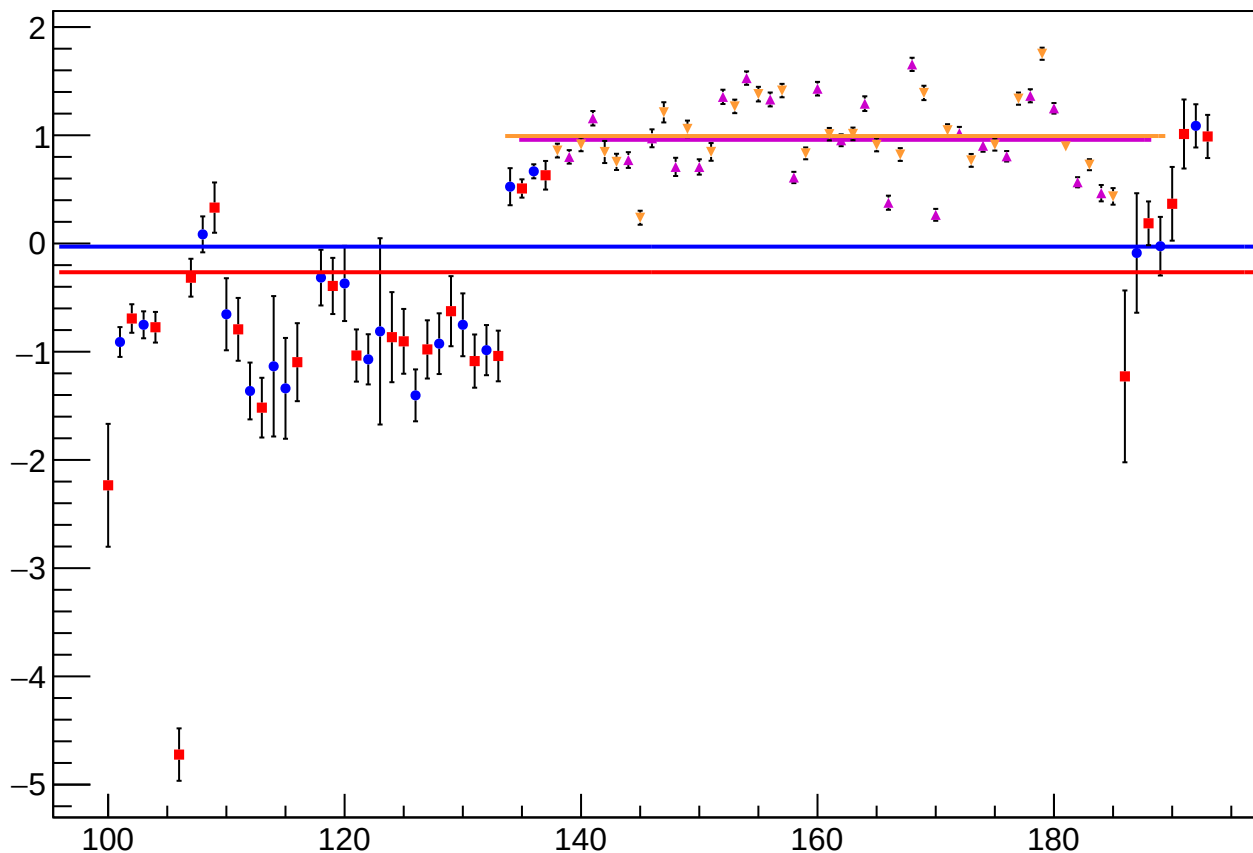
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -108.806 ± 0.257 χ^2/NDF : 2115.2/44

All: -108.561 ± 0.185 χ^2/NDF : 5447.8/91

- sign -108.301 ± 0.265 χ^2/NDF : 3330.7/46

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.029 ± 0.041 χ^2/NDF : 361.2/19

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.266 ± 0.041 χ^2/NDF : 652.5/23

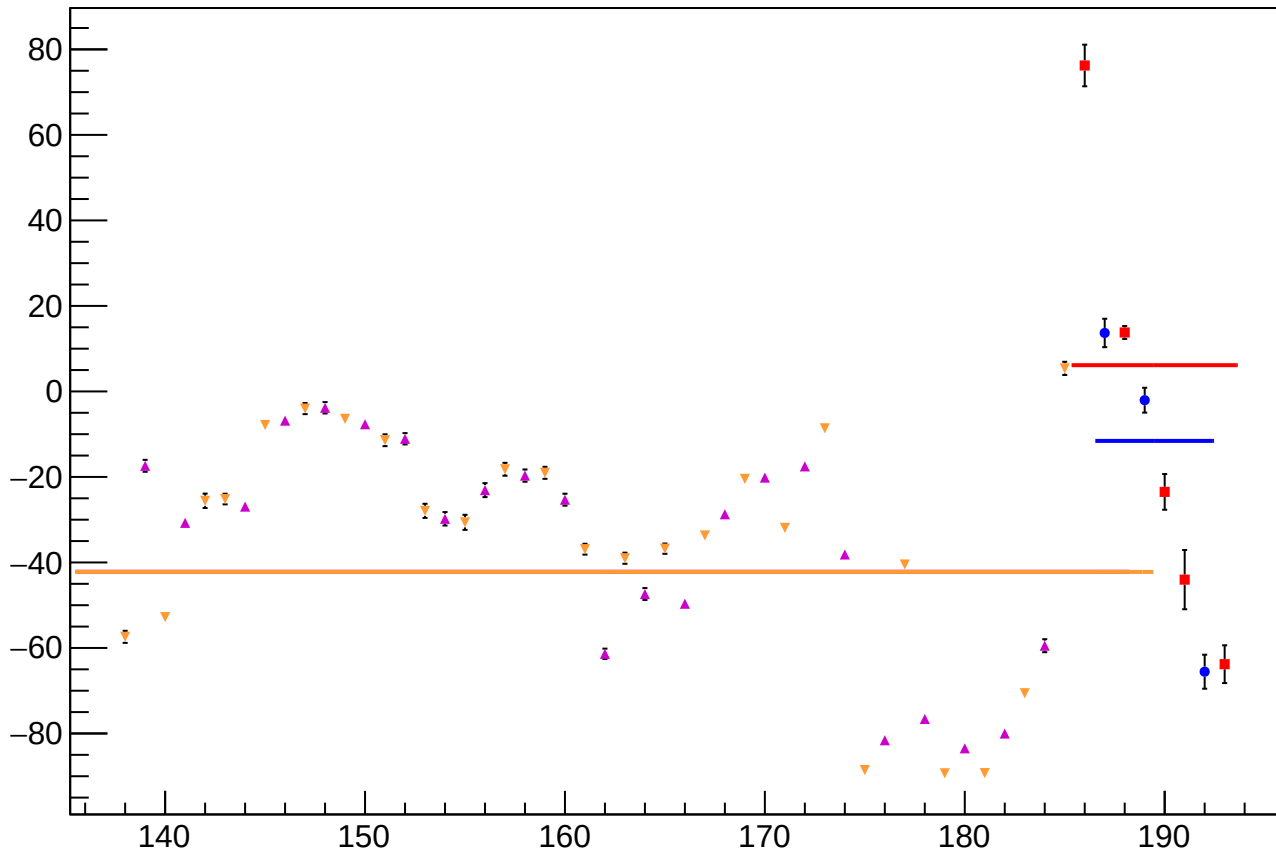
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.906 ± 0.012 χ^2/NDF : 1574.4/44

All: 0.880 ± 0.008 χ^2/NDF : 3932.1/91

- sign 0.853 ± 0.012 χ^2/NDF : 2347.8/46

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -11.569 ± 1.917 χ^2/NDF : 252.6/2

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: 6.138 ± 1.279 χ^2/NDF : 586.4/4

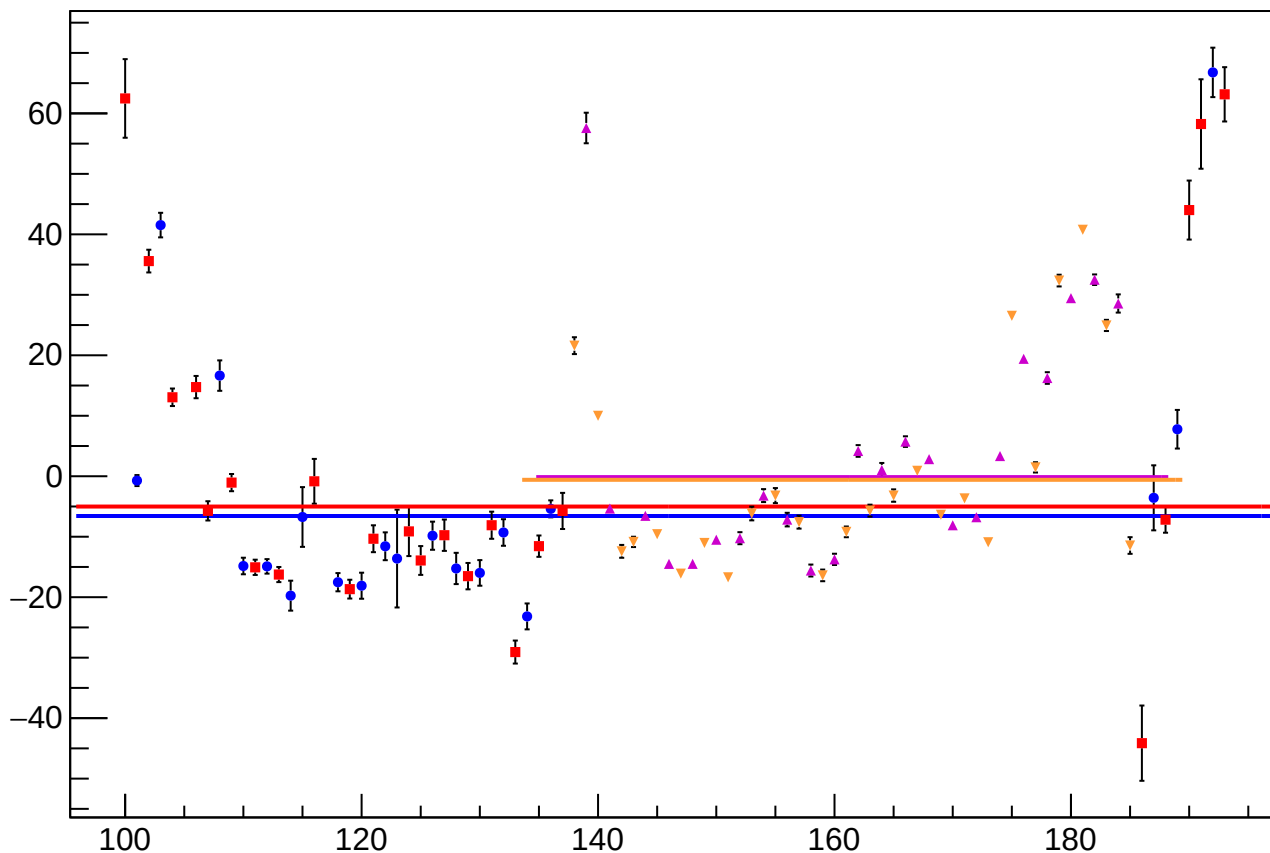
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -41.807 ± 0.221 χ^2/NDF : 18813.9/27

All: -41.261 ± 0.157 χ^2/NDF : 35372.5/55

- sign -40.699 ± 0.224 χ^2/NDF : 16546.2/27

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -6.574 ± 0.423 $\chi^2/\text{NDF}: 1324.7/19$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: -5.010 ± 0.416 $\chi^2/\text{NDF}: 1748.3/23$

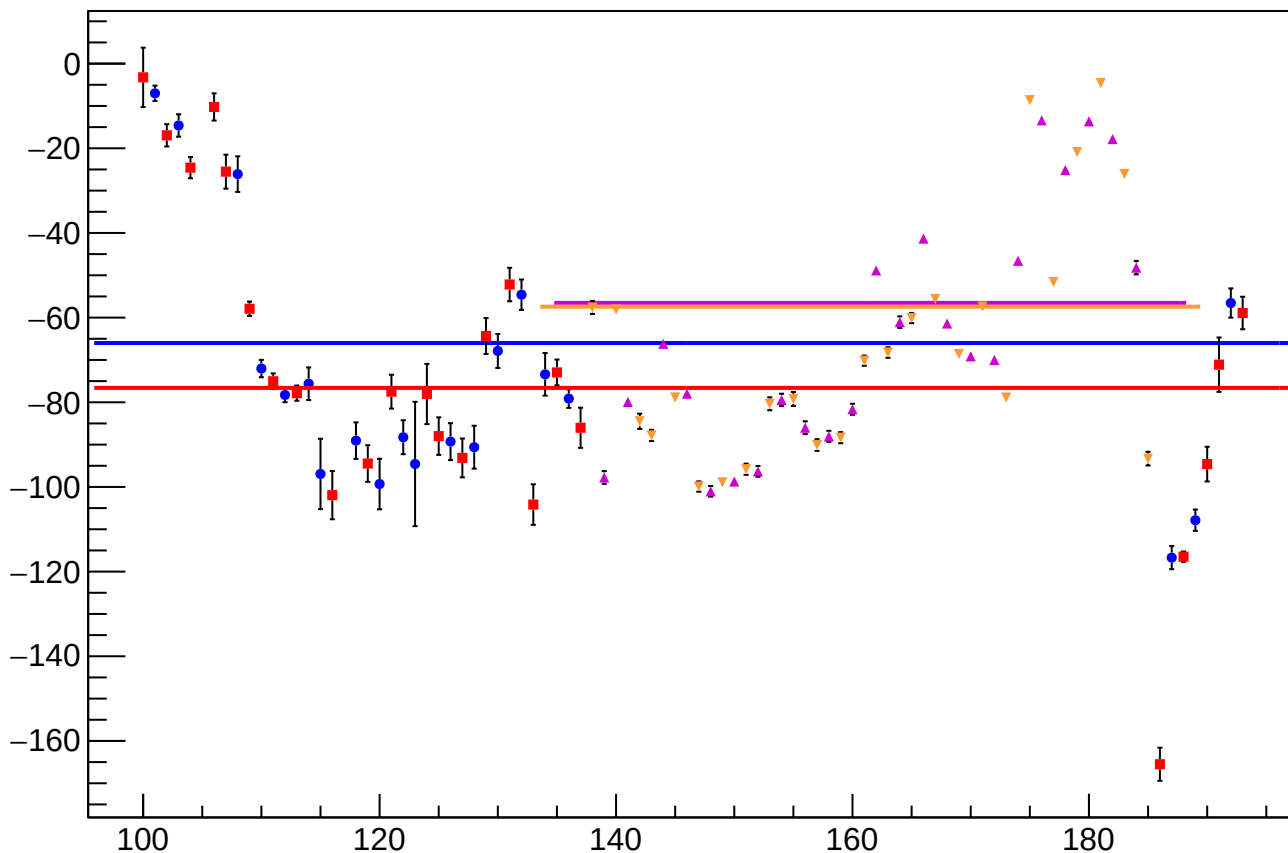
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.457 ± 0.161 $\chi^2/\text{NDF}: 10246.5/44$

All: -1.186 ± 0.115 $\chi^2/\text{NDF}: 18978.6/91$

- sign -0.903 ± 0.165 $\chi^2/\text{NDF}: 8726.3/46$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.006 ± 0.679 χ^2/NDF : 2423.8/19

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -76.598 ± 0.587 χ^2/NDF : 3536.5/23

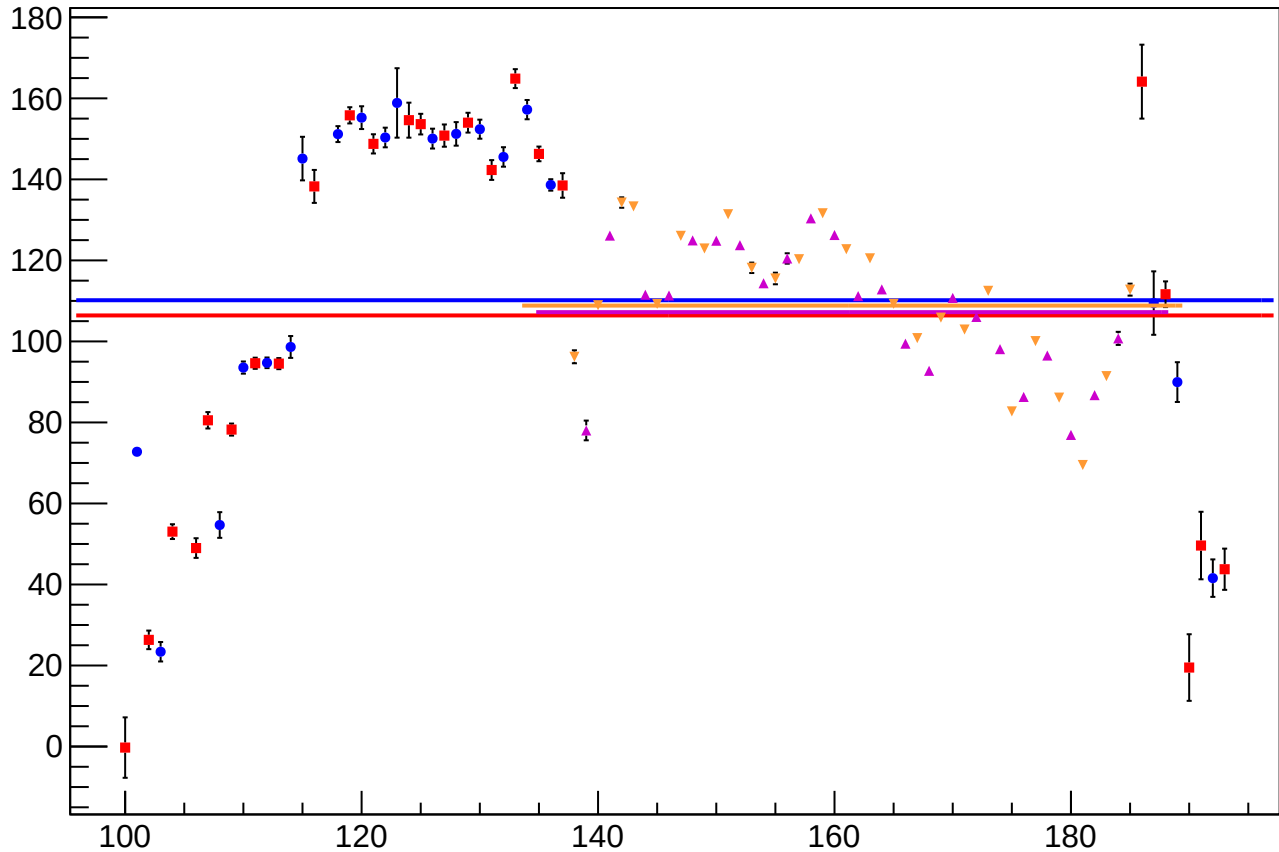
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.250 ± 0.212 χ^2/NDF : 21172.3/44

All: -58.692 ± 0.150 χ^2/NDF : 42088.0/91

- sign -59.133 ± 0.212 χ^2/NDF : 20907.0/46

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 110.166 $\pm$ 0.484 χ^2 /NDF: 6104.5/19

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 106.412 $\pm$ 0.478 χ^2 /NDF: 7398.1/23

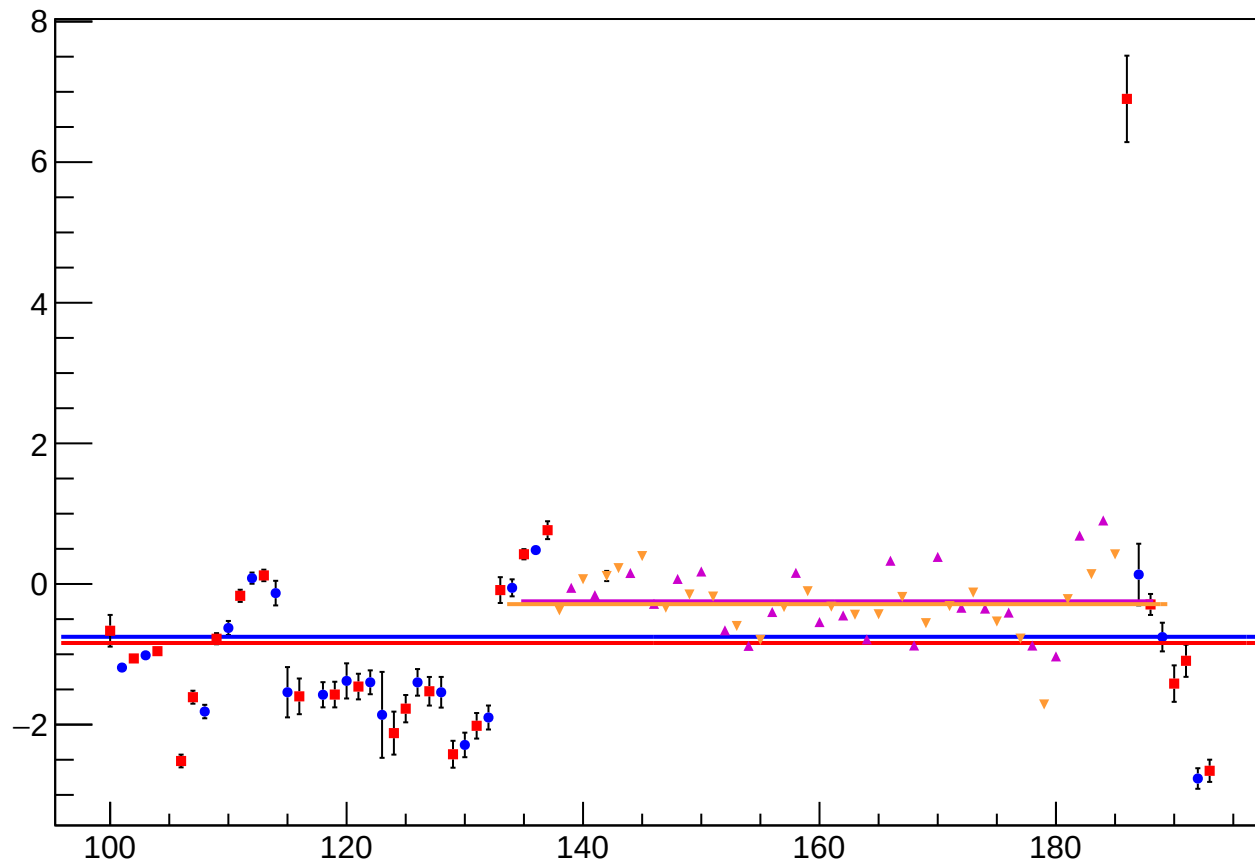
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 109.034 $\pm$ 0.183 χ^2 /NDF: 13511.1/44

All: 108.087 $\pm$ 0.130 χ^2 /NDF: 26531.8/91

- sign 107.101 $\pm$ 0.186 χ^2 /NDF: 12965.9/46

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.751 ± 0.025 χ^2/NDF : 1188.1/19

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.839 ± 0.024 χ^2/NDF : 1614.0/23

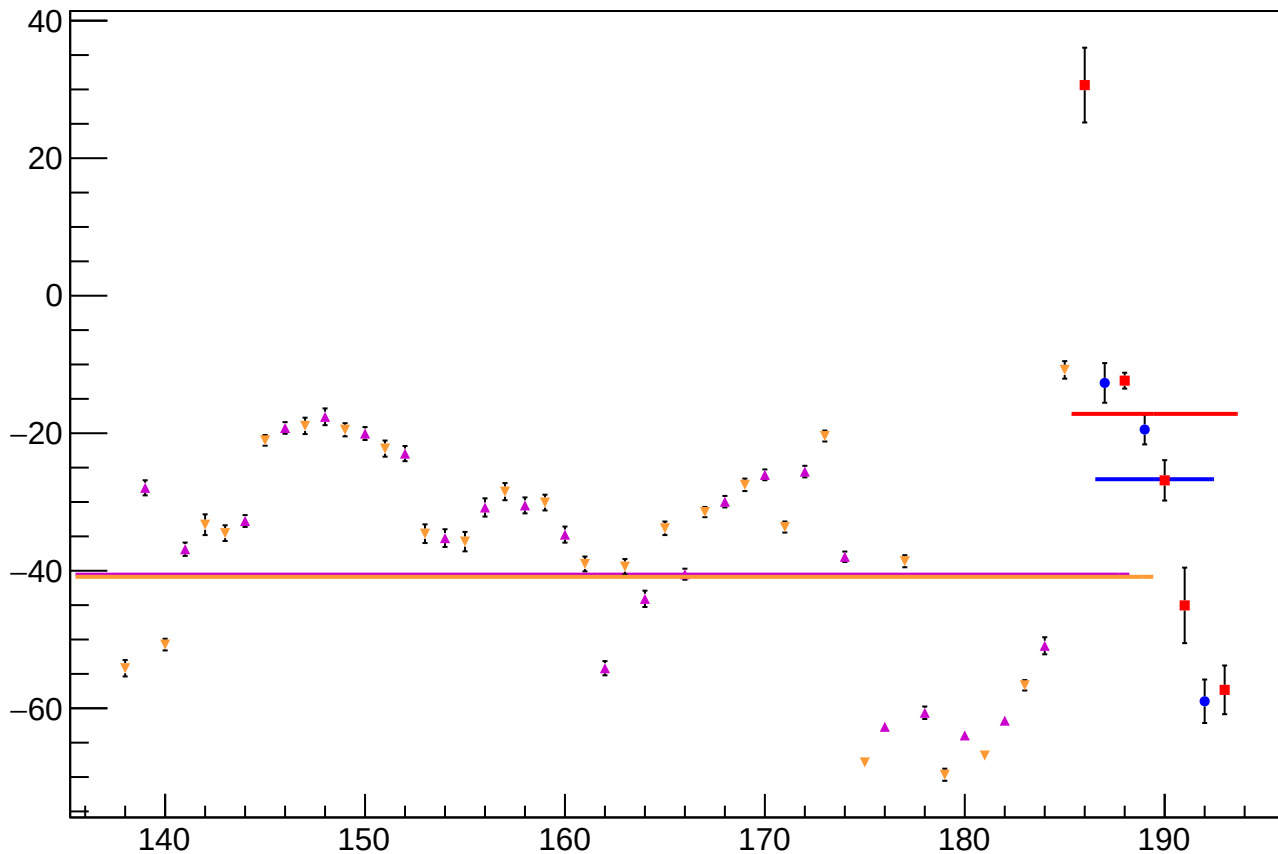
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.340 ± 0.009 χ^2/NDF : 3541.3/44

All: -0.333 ± 0.006 χ^2/NDF : 8498.3/91

- sign -0.326 ± 0.009 χ^2/NDF : 4955.7/46

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -26.687 ± 1.518 $\chi^2/\text{NDF}: 139.1/2$

Left Out: -40.880 ± 0.186 $\chi^2/\text{NDF}: 9123.2/24$

Right Out: -17.184 ± 0.994 $\chi^2/\text{NDF}: 259.5/4$

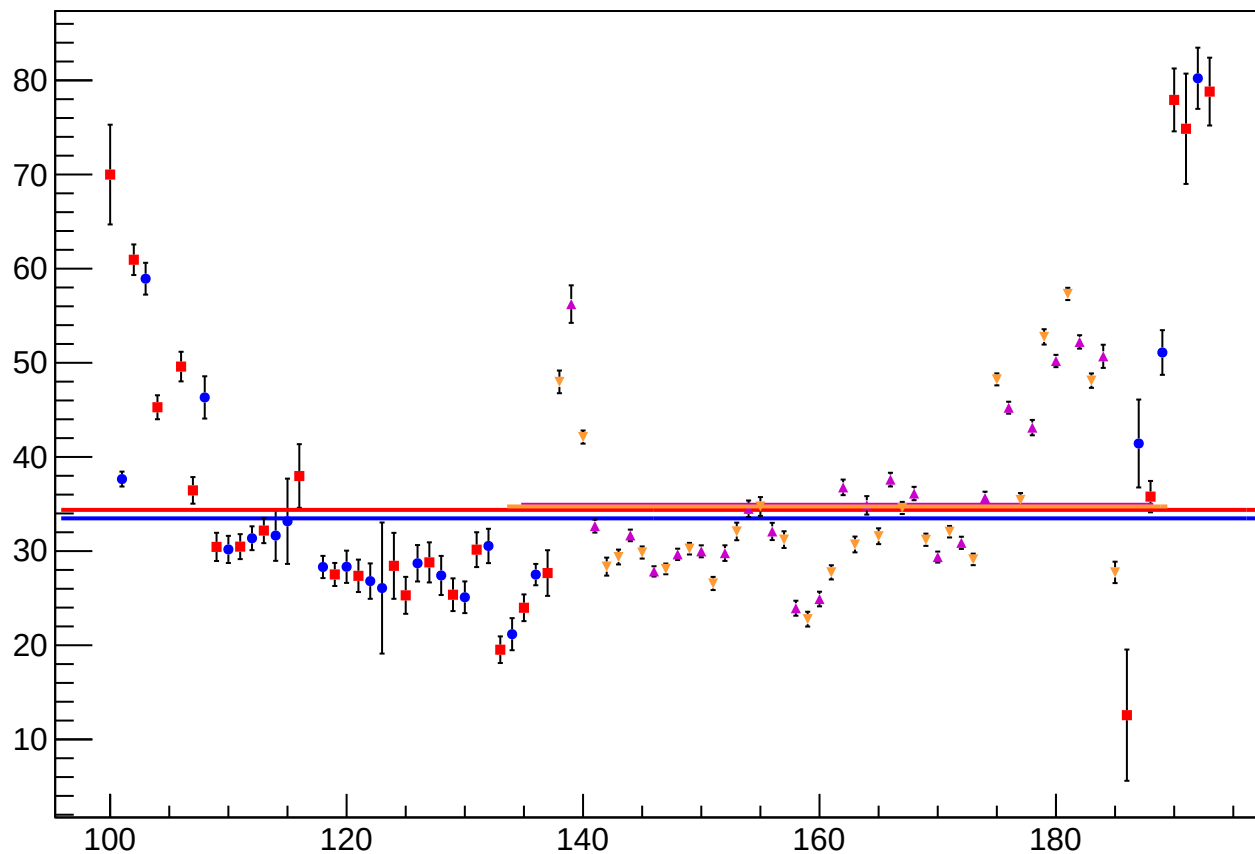
Left In: -40.567 ± 0.190 $\chi^2/\text{NDF}: 6954.7/22$

+ sign -40.669 ± 0.185 $\chi^2/\text{NDF}: 9348.4/27$

All: -40.211 ± 0.131 $\chi^2/\text{NDF}: 17108.9/55$

- sign -39.744 ± 0.187 $\chi^2/\text{NDF}: 7748.1/27$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.476+/-0.368 χ^2/NDF : 724.3/19

Left Out: 34.741+/-0.147 χ^2/NDF : 3693.2/24

Right Out: 34.379+/-0.364 χ^2/NDF : 1164.3/23

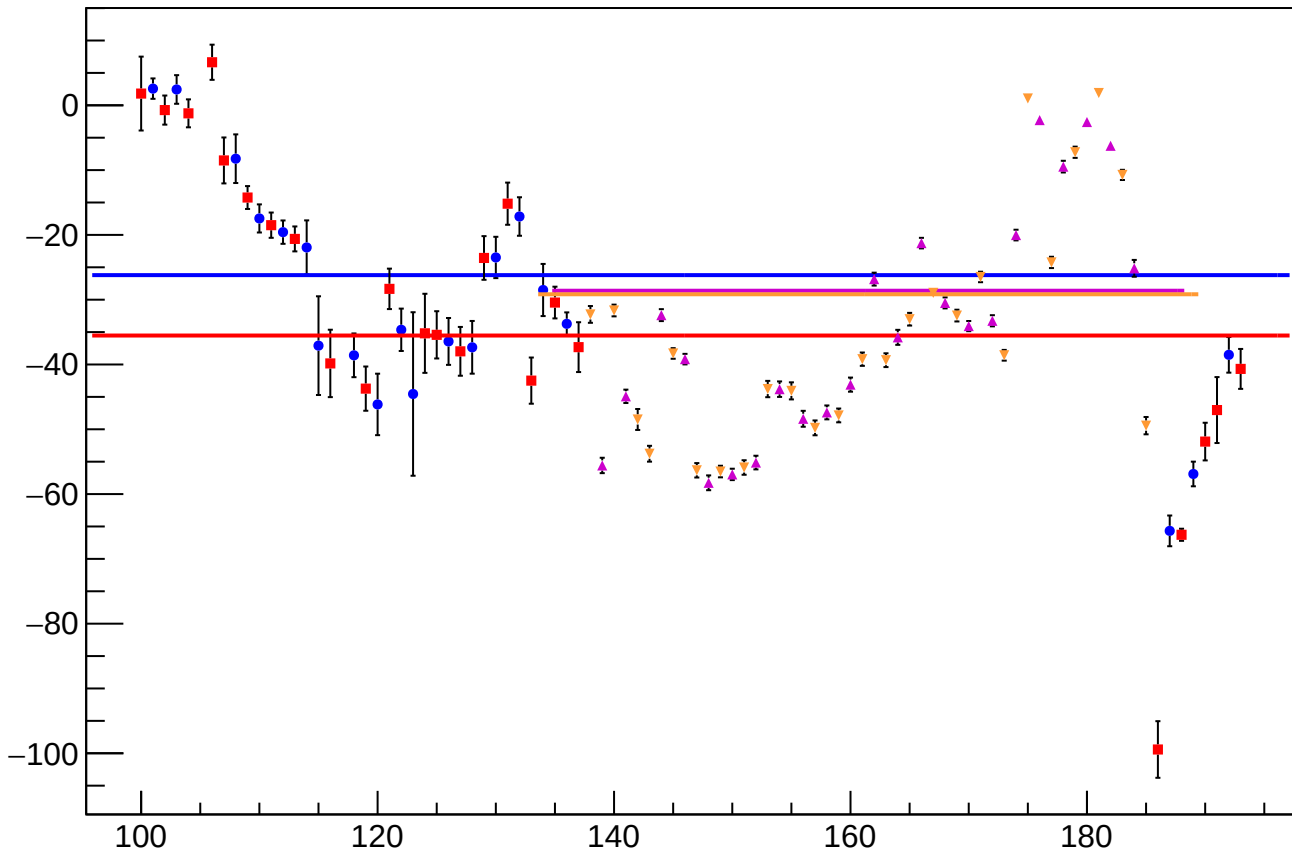
Left In: 34.922+/-0.152 χ^2/NDF : 2672.9/22

+ sign 34.566+/-0.137 χ^2/NDF : 4427.6/44

All: 34.701+/-0.098 χ^2/NDF : 8268.7/91

- sign 34.842+/-0.140 χ^2/NDF : 3839.1/46

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -26.208 ± 0.595 $\chi^2/\text{NDF}: 1199.9/19$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -35.531 ± 0.508 $\chi^2/\text{NDF}: 2526.2/23$

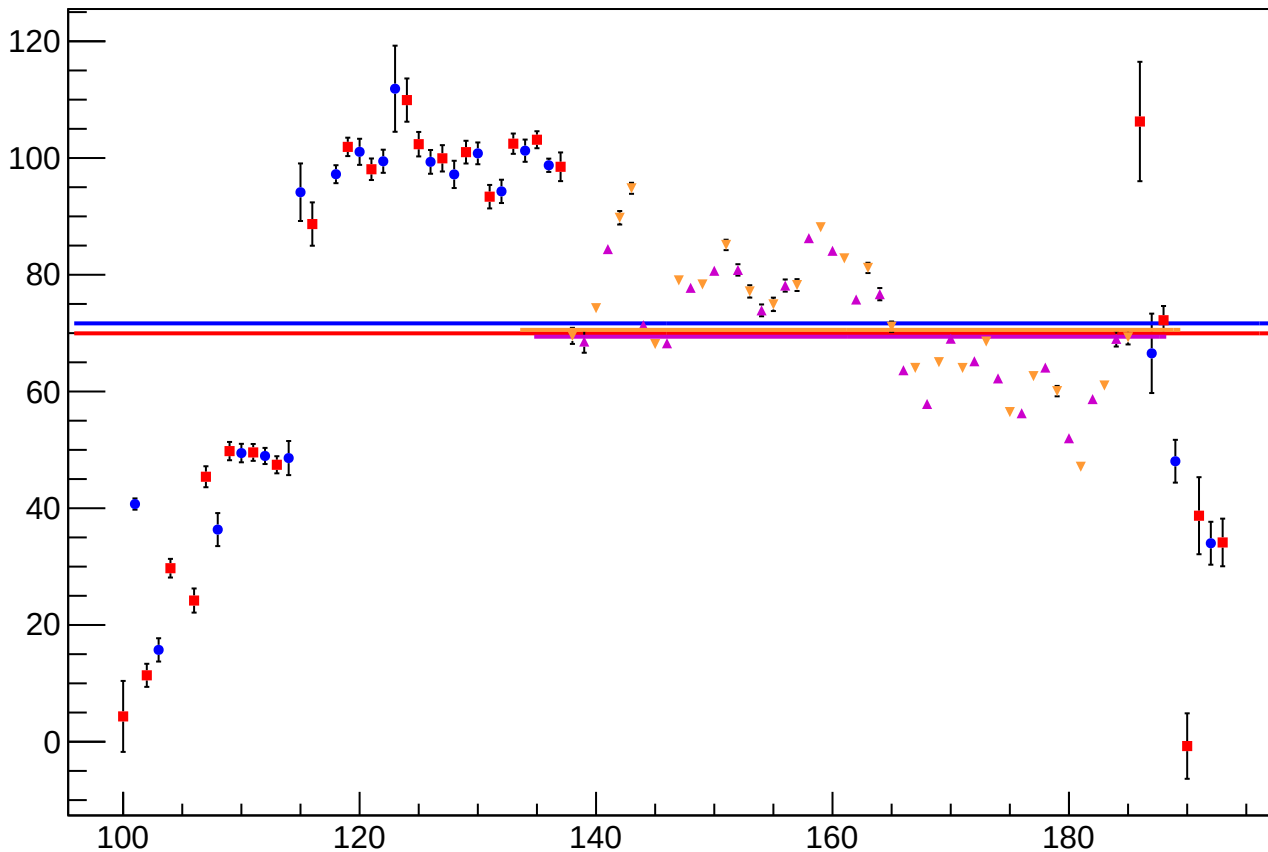
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -28.897 ± 0.178 $\chi^2/\text{NDF}: 11348.3/44$

All: -29.181 ± 0.126 $\chi^2/\text{NDF}: 23082.8/91$

- sign -29.462 ± 0.178 $\chi^2/\text{NDF}: 11729.4/46$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.672 ± 0.422 χ^2/NDF : 4823.2/19

Left Out: 70.563 ± 0.166 χ^2/NDF : 4589.1/24

Right Out: 69.964 ± 0.422 χ^2/NDF : 5770.0/23

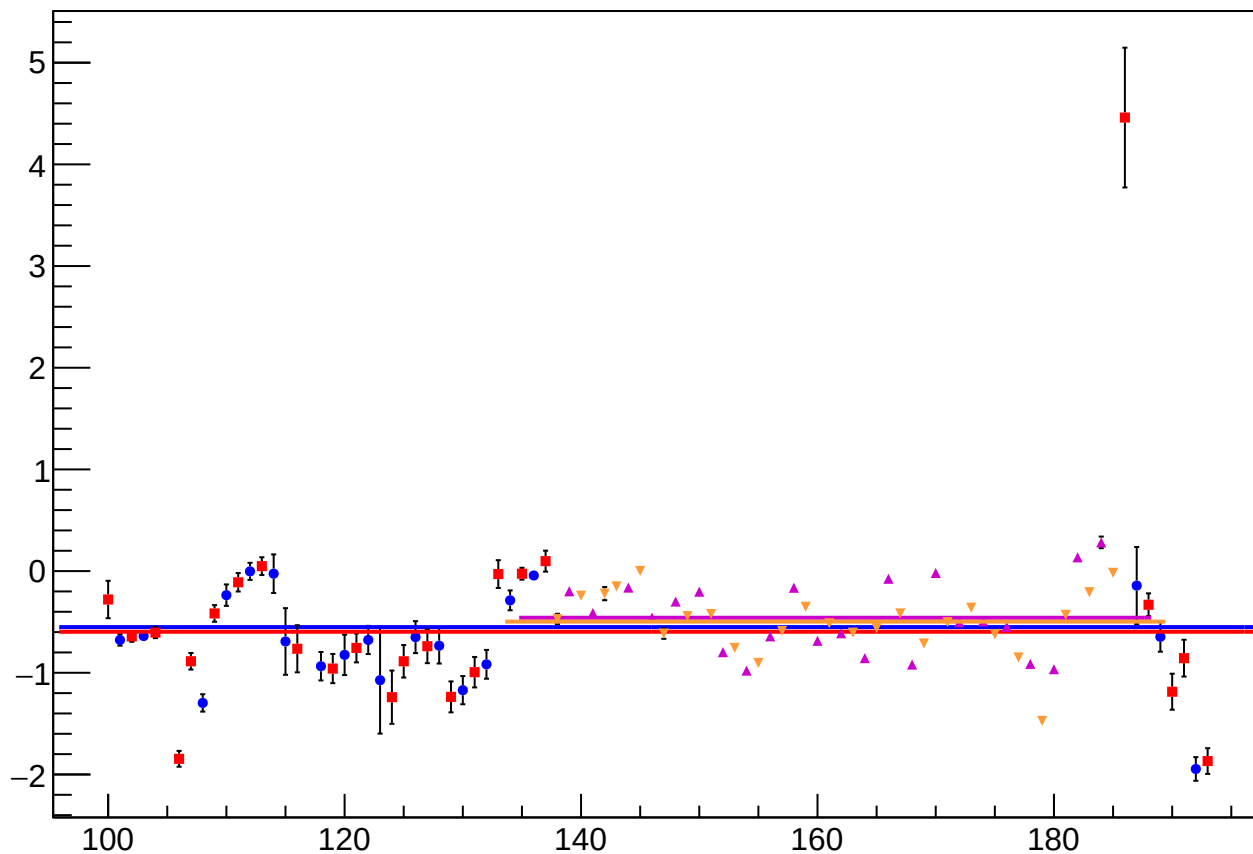
Left In: 69.387 ± 0.170 χ^2/NDF : 3321.8/22

+ sign 70.711 ± 0.155 χ^2/NDF : 9418.3/44

All: 70.102 ± 0.110 χ^2/NDF : 18543.4/91

- sign 69.468 ± 0.158 χ^2/NDF : 9093.5/46

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.551 ± 0.022 χ^2/NDF : 453.1/19

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.596 ± 0.020 χ^2/NDF : 736.4/23

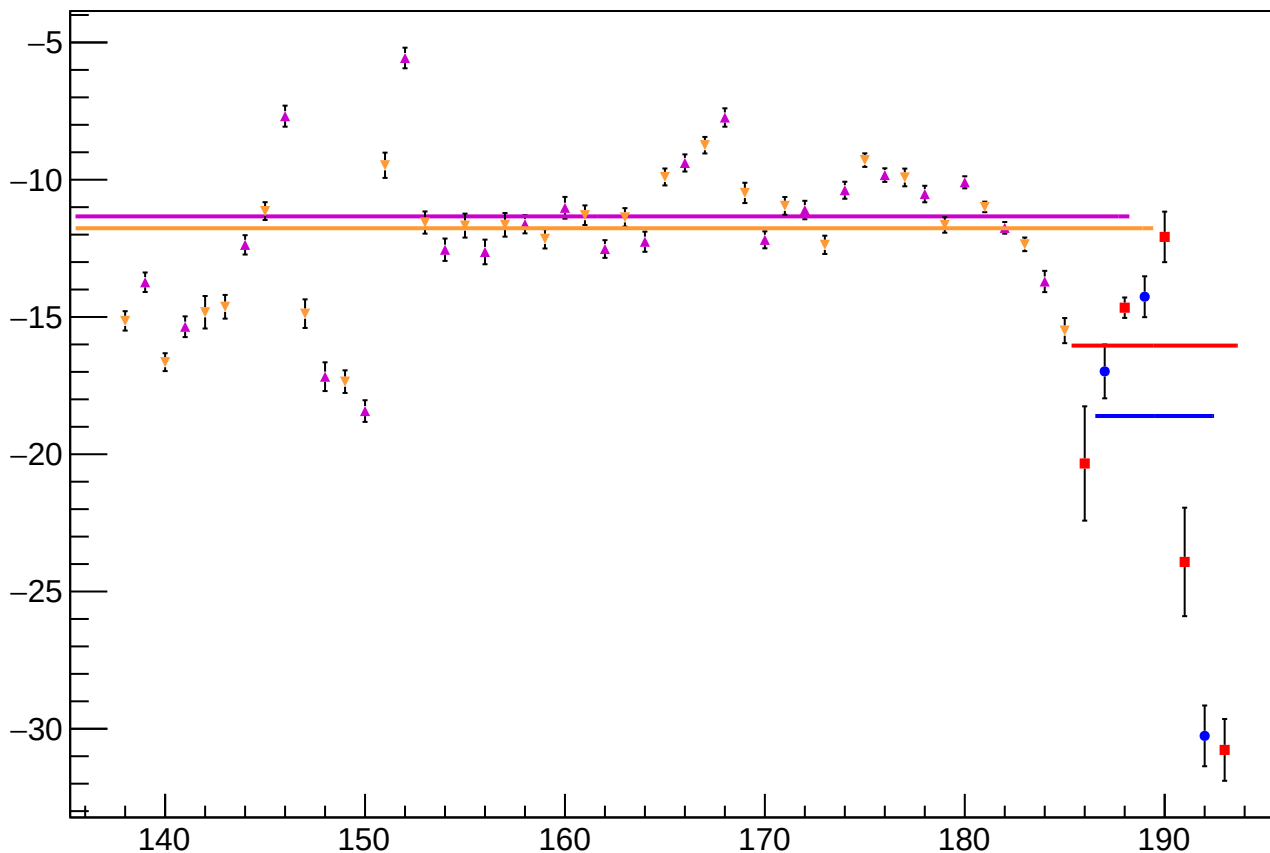
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.503 ± 0.007 χ^2/NDF : 1907.9/44

All: -0.489 ± 0.005 χ^2/NDF : 4649.0/91

- sign -0.476 ± 0.007 χ^2/NDF : 2734.2/46

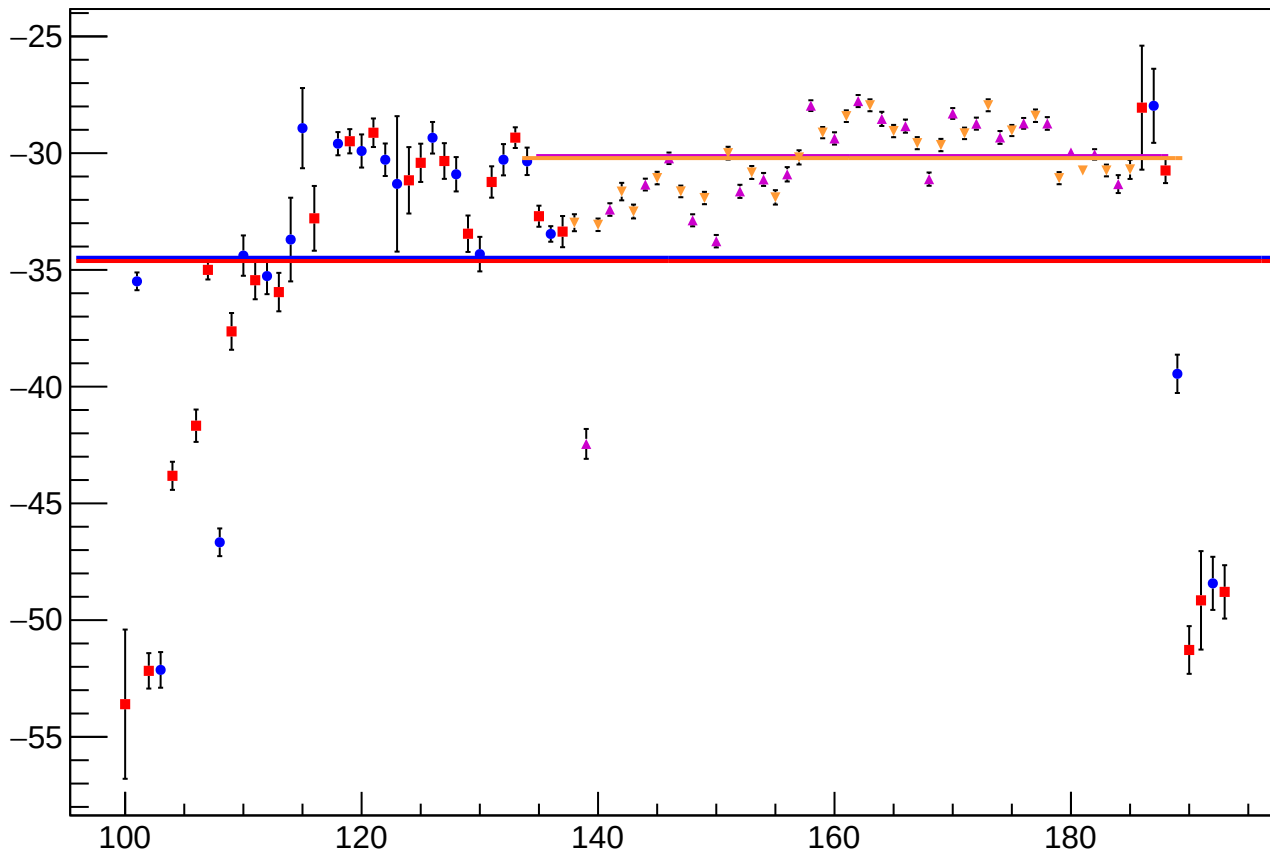
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -18.607 ± 0.523 $\chi^2/\text{NDF}: 147.6/2$
 Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$
 Right Out: -16.042 ± 0.321 $\chi^2/\text{NDF}: 223.8/4$
 Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -11.876 ± 0.066 $\chi^2/\text{NDF}: 1336.8/27$
 All: -11.708 ± 0.047 $\chi^2/\text{NDF}: 3048.1/55$
 - sign -11.538 ± 0.067 $\chi^2/\text{NDF}: 1698.2/27$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.480 ± 0.148 χ^2/NDF : 1533.8/19

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -34.620 ± 0.142 χ^2/NDF : 1886.4/23

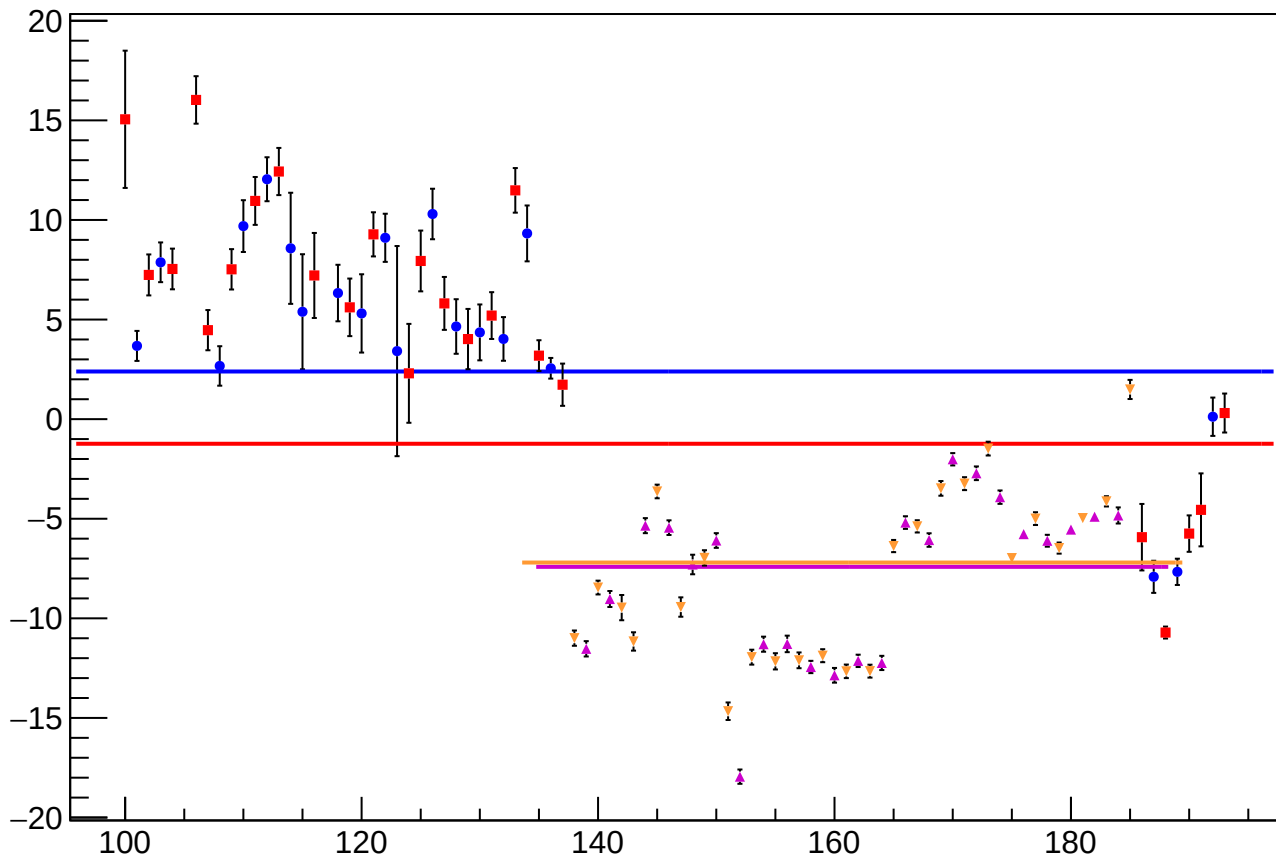
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.714 ± 0.051 χ^2/NDF : 3006.4/44

All: -30.716 ± 0.036 χ^2/NDF : 6985.2/91

- sign -30.717 ± 0.052 χ^2/NDF : 3978.9/46

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 2.392 ± 0.232 χ^2/NDF : 659.7/19

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -1.236 ± 0.192 χ^2/NDF : 2157.0/23

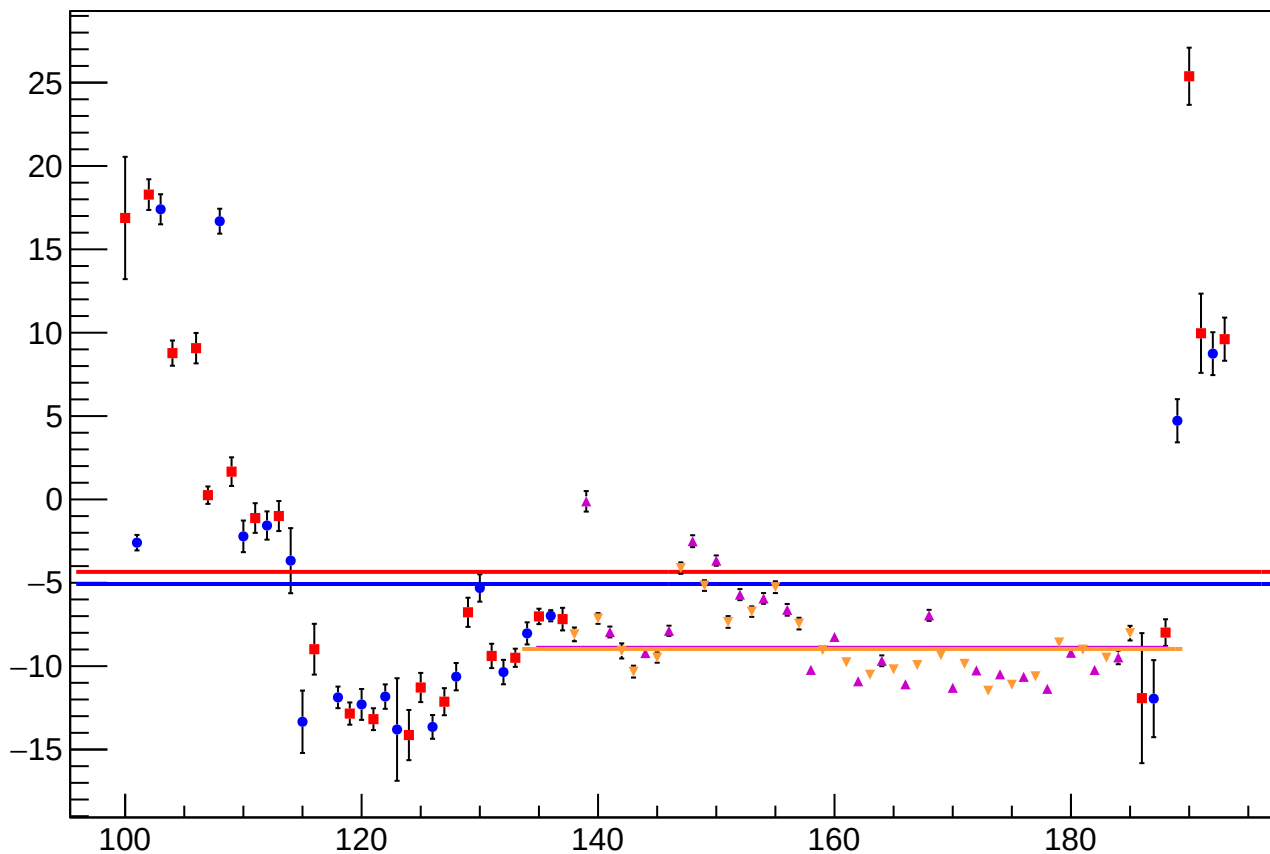
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.464 ± 0.064 χ^2/NDF : 5273.5/44

All: -6.596 ± 0.045 χ^2/NDF : 11486.1/91

- sign -6.726 ± 0.064 χ^2/NDF : 6204.2/46

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.073 ± 0.168 χ^2/NDF : 2283.3/19

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -4.346 ± 0.166 χ^2/NDF : 2531.6/23

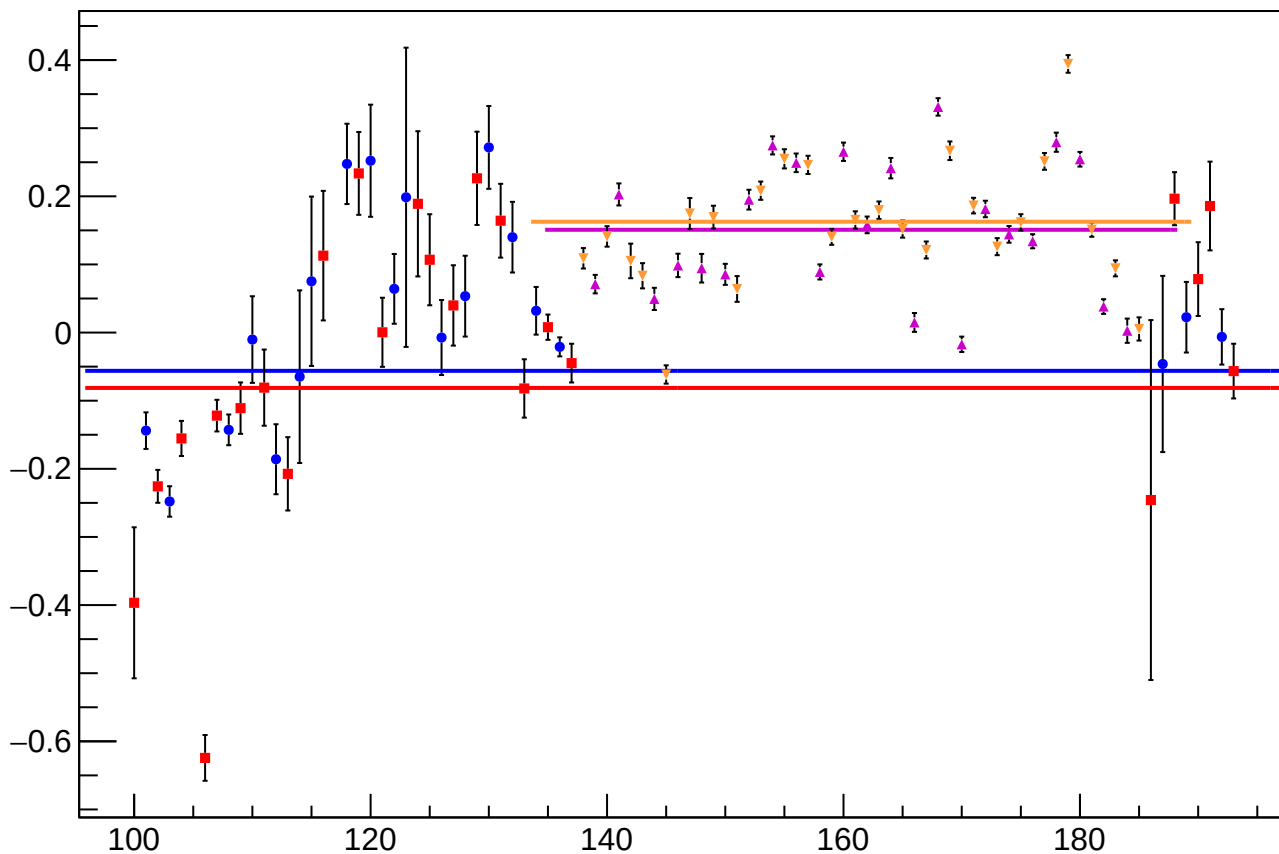
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.525 ± 0.057 χ^2/NDF : 3640.6/44

All: -8.440 ± 0.040 χ^2/NDF : 8369.1/91

- sign -8.351 ± 0.058 χ^2/NDF : 4723.8/46

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.056 ± 0.008 χ^2/NDF : 218.6/19

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.081 ± 0.008 χ^2/NDF : 517.1/23

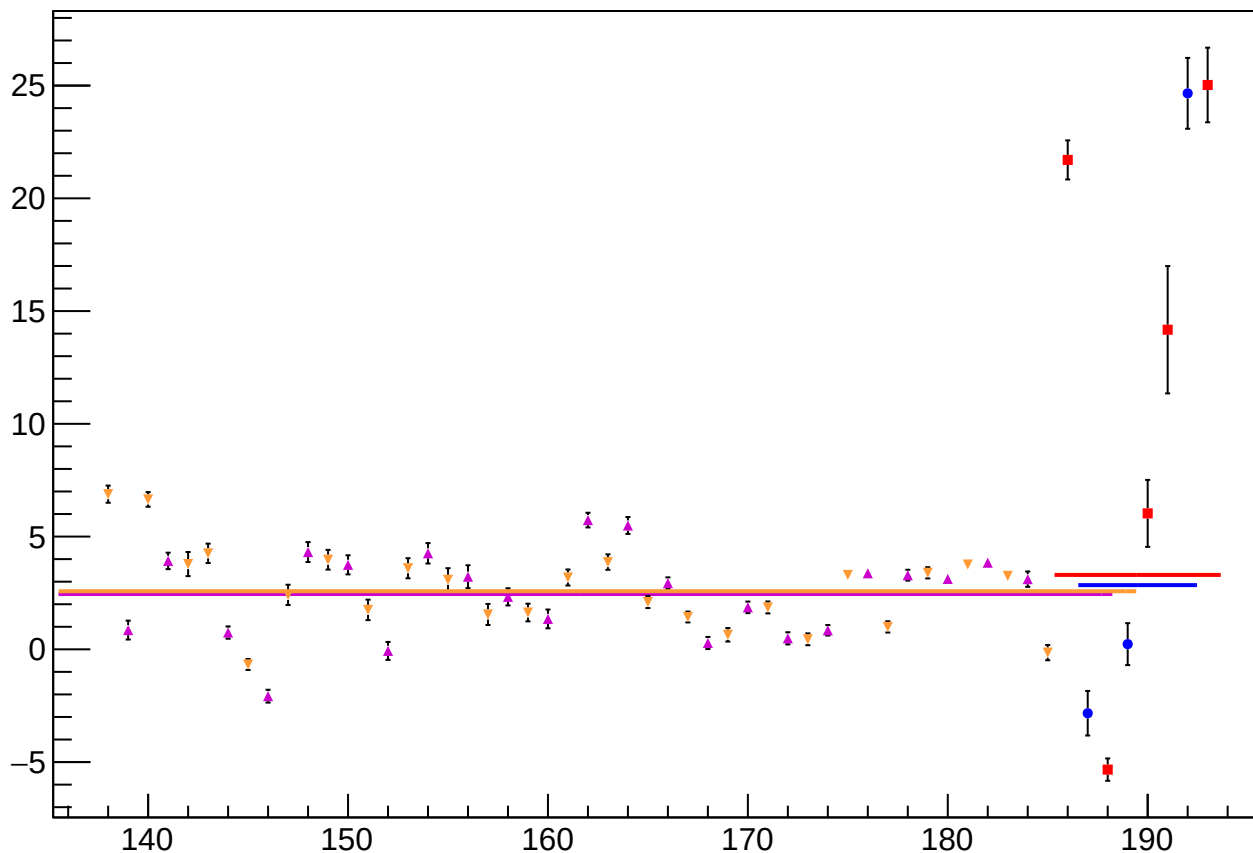
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.141 ± 0.003 χ^2/NDF : 1890.2/44

All: 0.133 ± 0.002 χ^2/NDF : 4473.6/91

- sign 0.126 ± 0.003 χ^2/NDF : 2567.3/46

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 2.848 ± 0.622 $\chi^2/\text{NDF}: 233.7/2$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 3.299 ± 0.397 $\chi^2/\text{NDF}: 944.3/4$

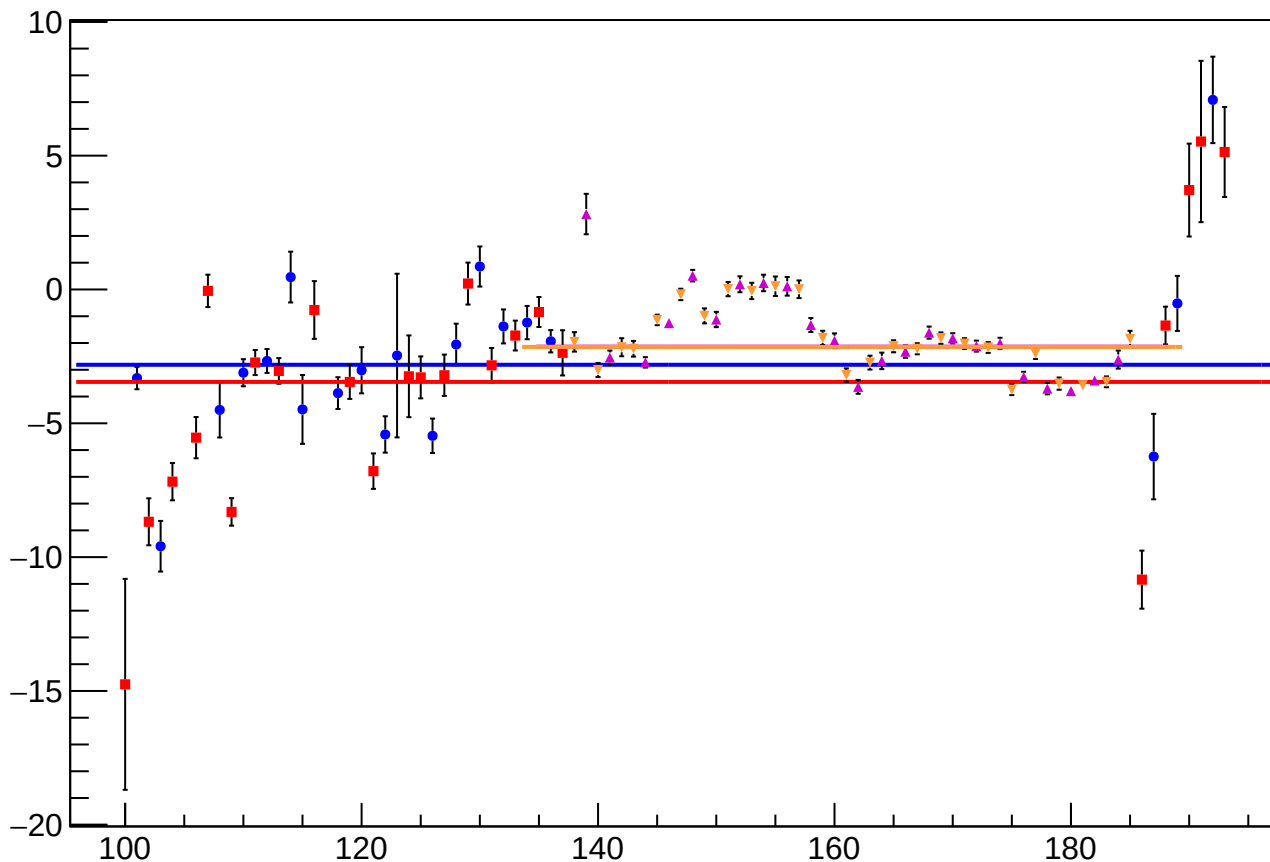
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.579 ± 0.058 $\chi^2/\text{NDF}: 1101.4/27$

All: 2.525 ± 0.041 $\chi^2/\text{NDF}: 2923.1/55$

- sign 2.471 ± 0.059 $\chi^2/\text{NDF}: 1820.0/27$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.813 ± 0.152 χ^2/NDF : 192.6/19

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -3.453 ± 0.148 χ^2/NDF : 398.7/23

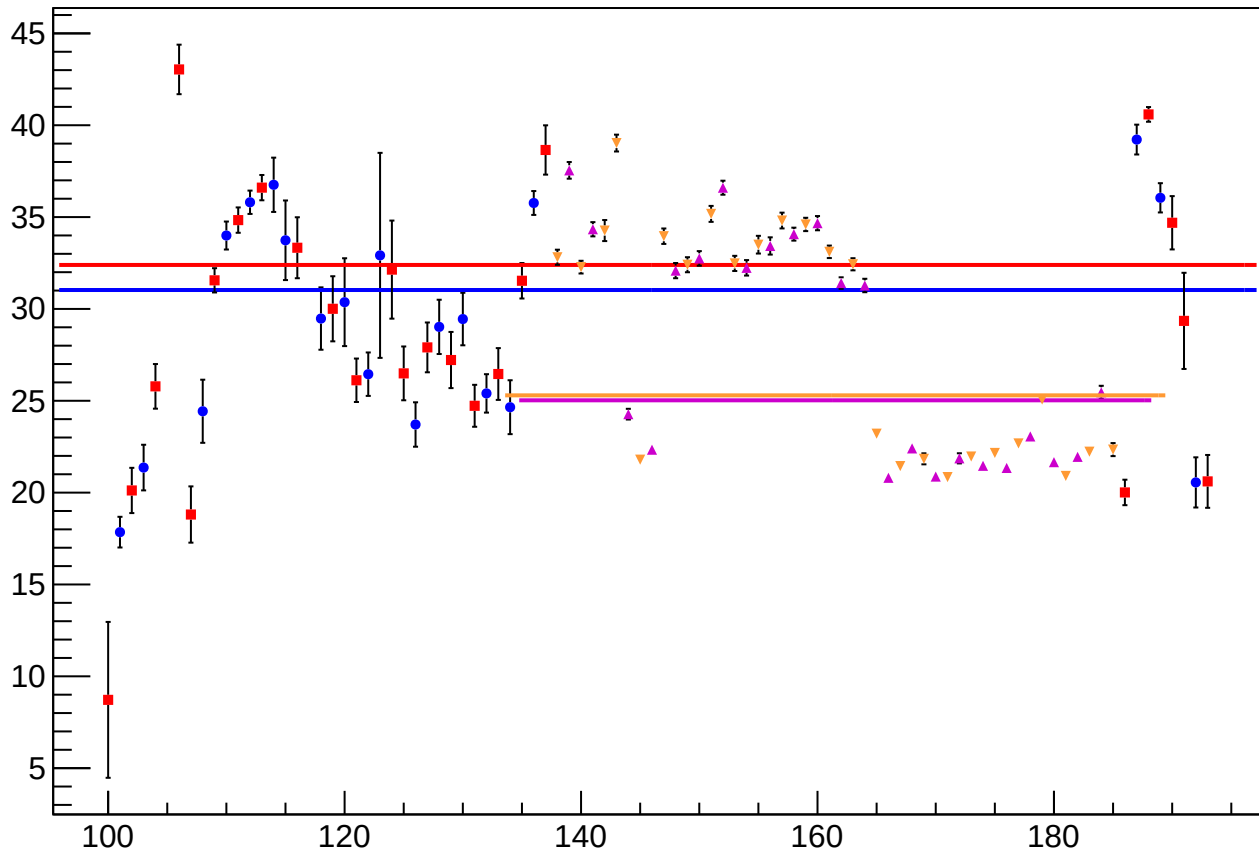
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.205 ± 0.045 χ^2/NDF : 783.5/44

All: -2.234 ± 0.032 χ^2/NDF : 1945.4/91

- sign -2.263 ± 0.046 χ^2/NDF : 1161.0/46

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 31.030 $\pm$ 0.239 χ^2 /NDF: 769.7/19

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 32.394 $\pm$ 0.203 χ^2 /NDF: 1316.5/23

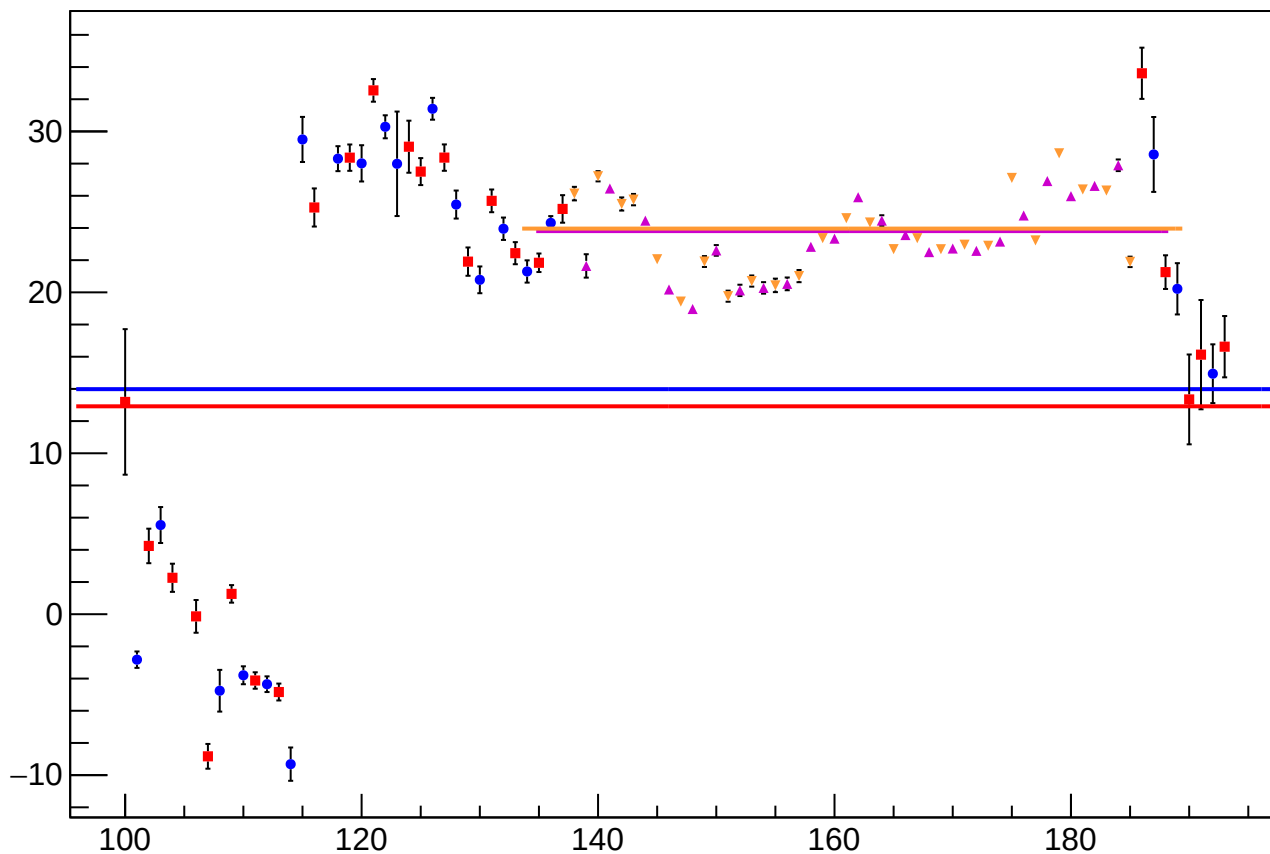
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.625 $\pm$ 0.057 χ^2 /NDF: 9586.7/44

All: 25.616 $\pm$ 0.040 χ^2 /NDF: 19722.8/91

- sign 25.608 $\pm$ 0.057 χ^2 /NDF: 10136.0/46

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.985 $\pm$ 0.171 χ^2 /NDF: 7330.5/19

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.918 $\pm$ 0.169 χ^2 /NDF: 7199.0/23

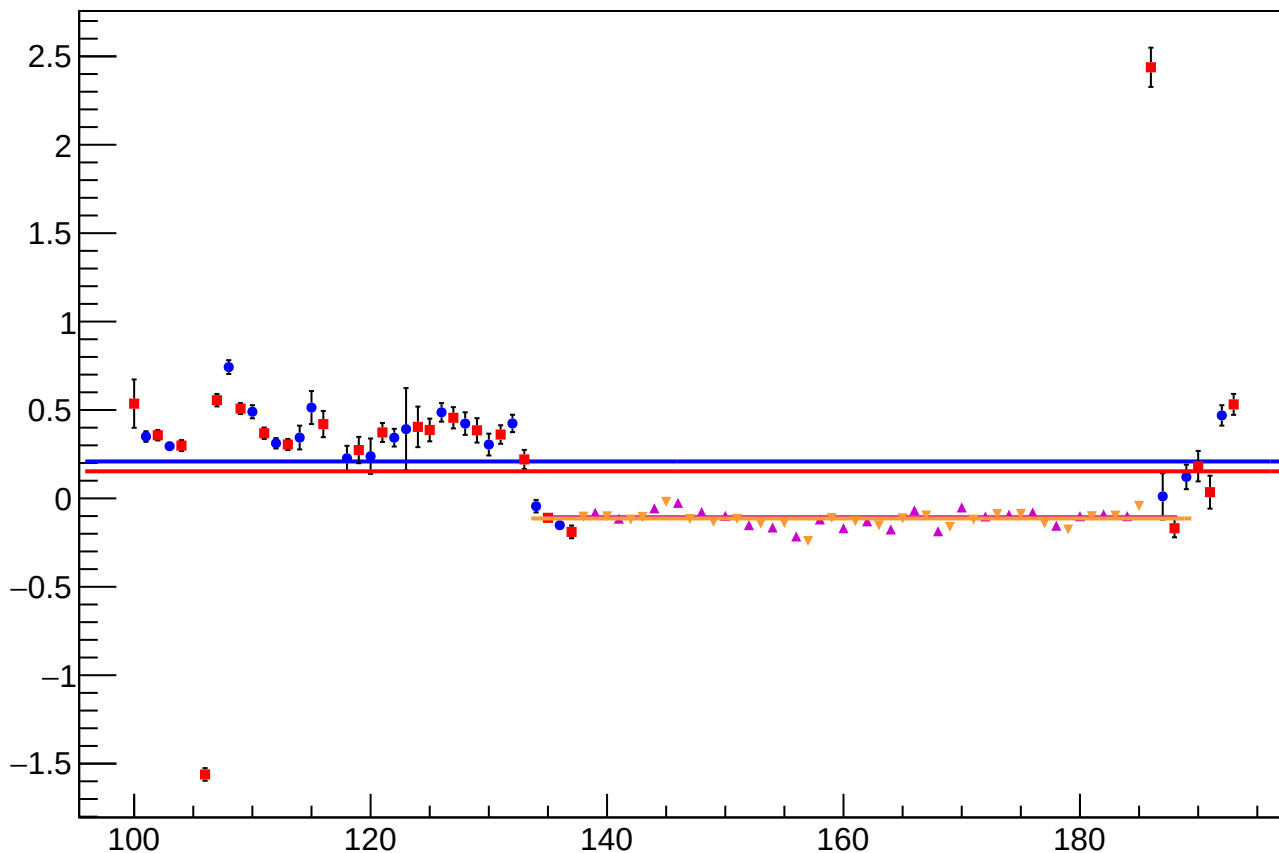
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.081 $\pm$ 0.051 χ^2 /NDF: 12364.2/44

All: 22.942 $\pm$ 0.036 χ^2 /NDF: 25087.0/91

- sign 22.800 $\pm$ 0.051 χ^2 /NDF: 12707.7/46

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.209 ± 0.009 χ^2/NDF : 870.8/19

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.153 ± 0.009 χ^2/NDF : 3521.6/23

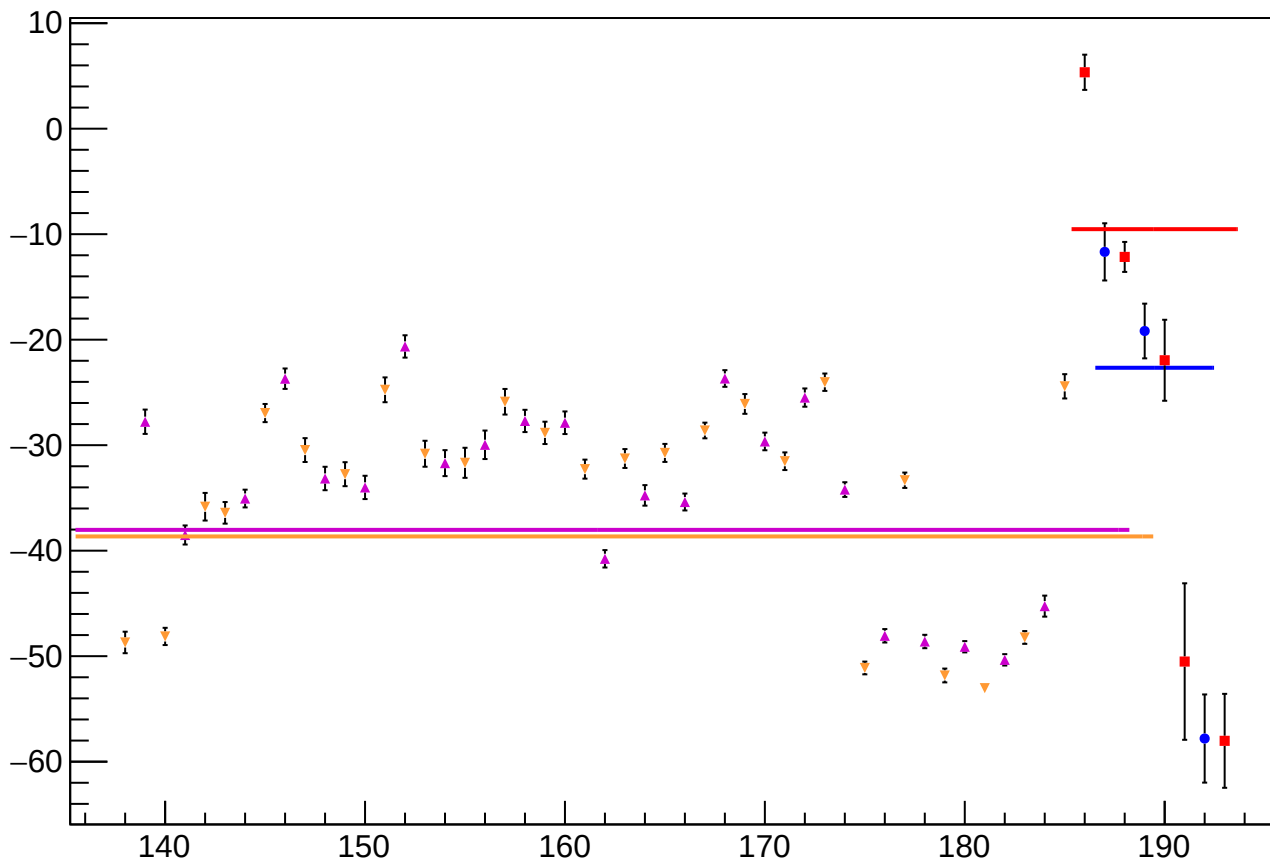
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.092 ± 0.002 χ^2/NDF : 2319.3/44

All: -0.090 ± 0.002 χ^2/NDF : 6964.9/91

- sign -0.088 ± 0.002 χ^2/NDF : 4643.9/46

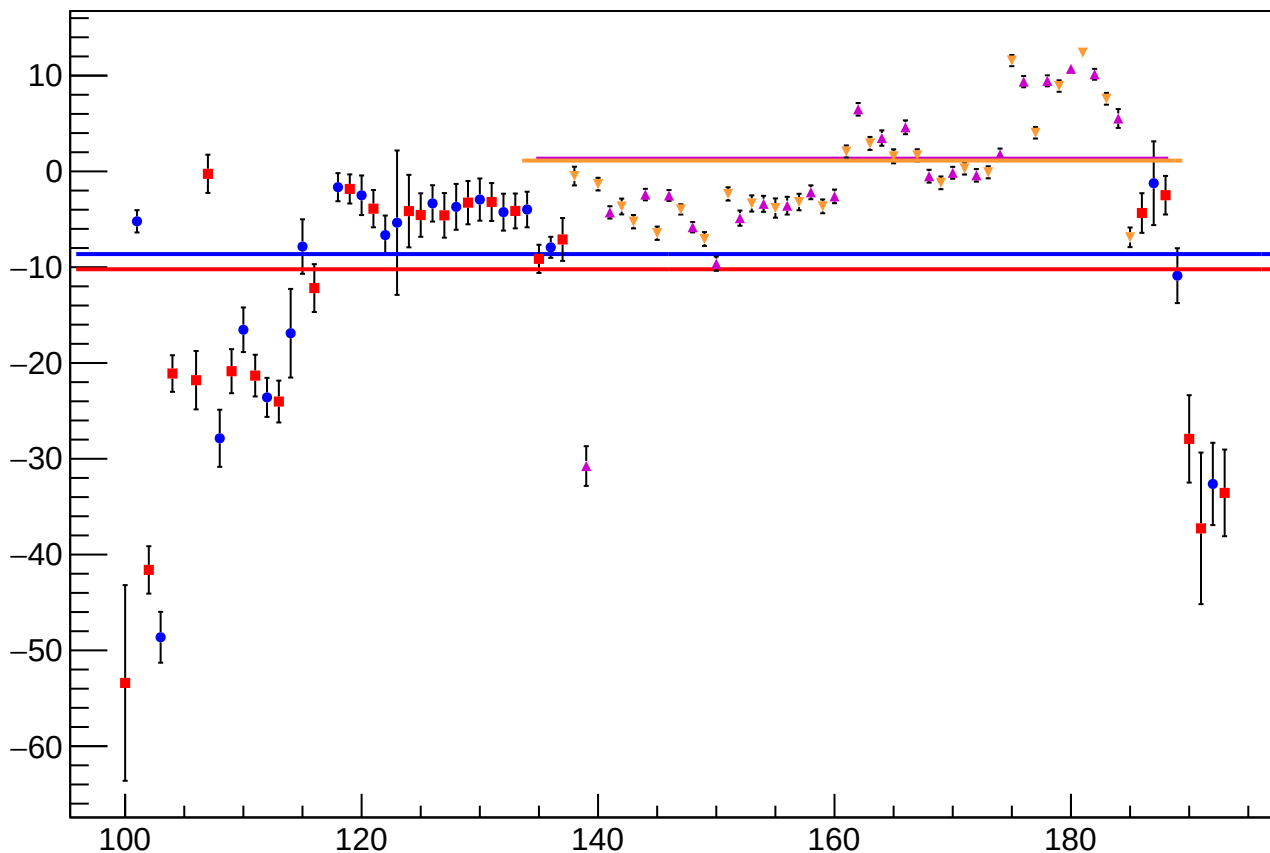
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.662 ± 1.710 $\chi^2/\text{NDF}: 89.0/2$
 Left Out: -38.650 ± 0.169 $\chi^2/\text{NDF}: 4077.2/24$
 Right Out: -9.525 ± 1.005 $\chi^2/\text{NDF}: 242.5/4$
 Left In: -38.027 ± 0.173 $\chi^2/\text{NDF}: 3091.9/22$

+ sign -38.495 ± 0.168 $\chi^2/\text{NDF}: 4252.8/27$
 All: -37.859 ± 0.120 $\chi^2/\text{NDF}: 8397.6/55$
 - sign -37.205 ± 0.171 $\chi^2/\text{NDF}: 4115.9/27$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.632 ± 0.455 χ^2/NDF : 443.5/19

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -10.217 ± 0.460 χ^2/NDF : 506.2/23

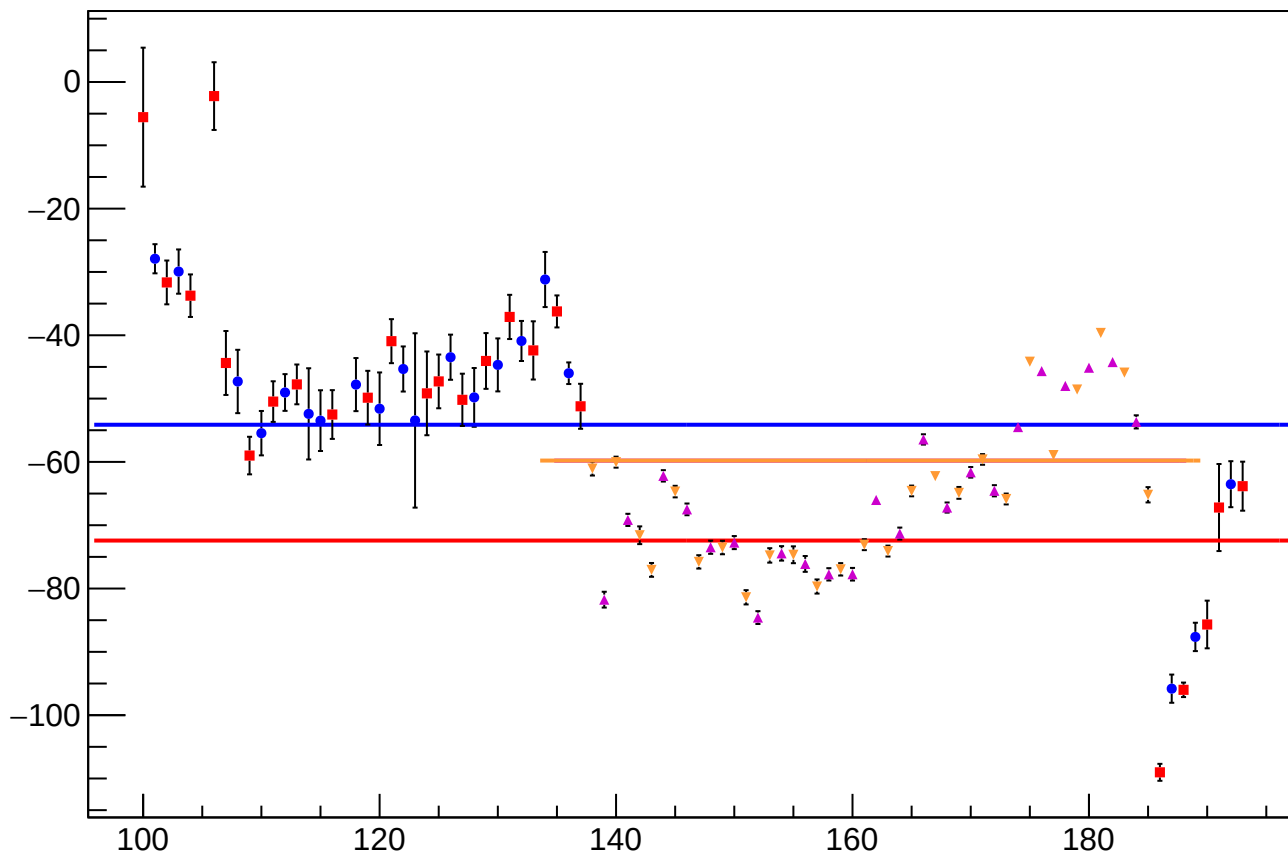
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.331 ± 0.130 χ^2/NDF : 2664.7/44

All: 0.341 ± 0.093 χ^2/NDF : 5796.0/91

- sign 0.352 ± 0.134 χ^2/NDF : 3131.3/46

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -54.131 ± 0.726 χ^2/NDF : 855.1/19

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -72.421 ± 0.597 χ^2/NDF : 2470.3/23

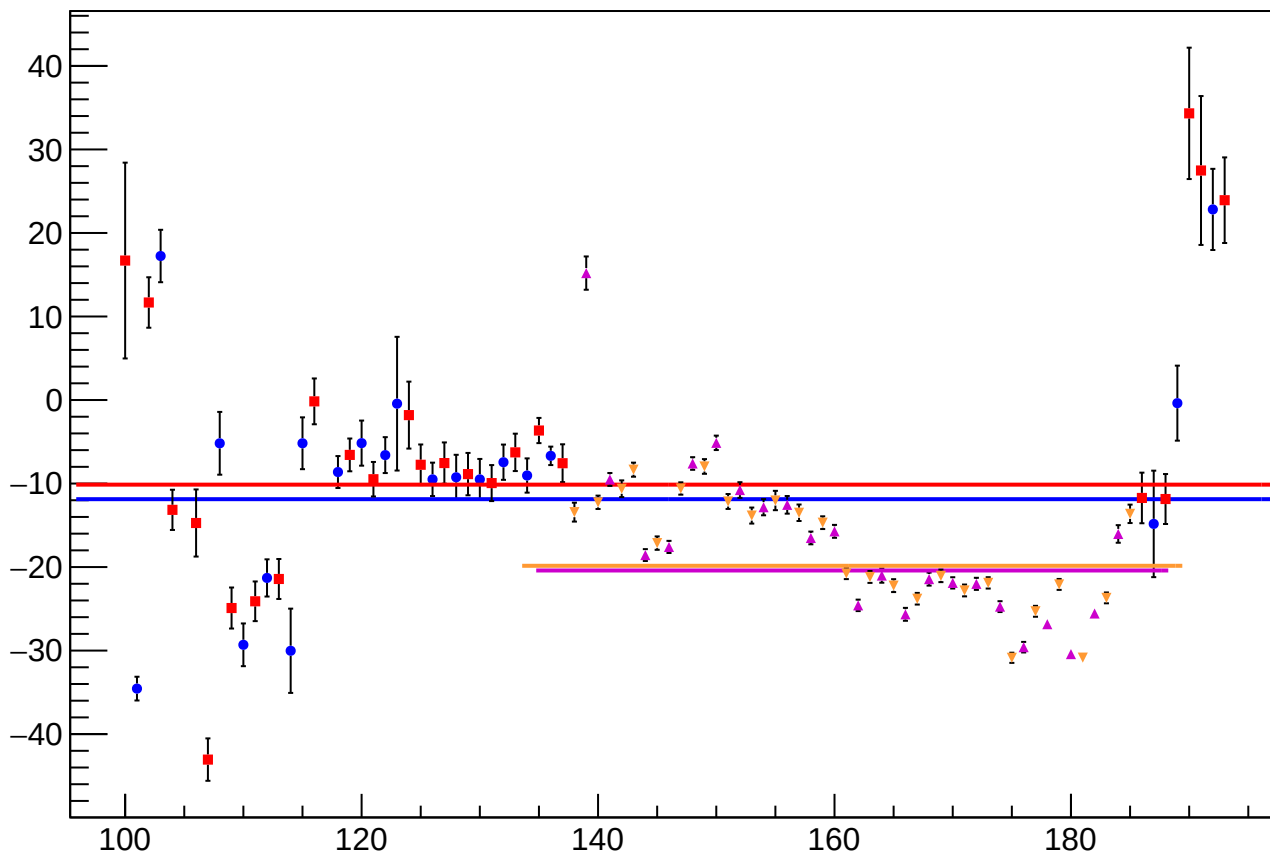
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.494 ± 0.166 χ^2/NDF : 6750.4/44

All: -60.135 ± 0.117 χ^2/NDF : 14880.4/91

- sign -60.783 ± 0.166 χ^2/NDF : 8099.9/46

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -11.873 ± 0.516 χ^2/NDF : 532.3/19

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -10.133 ± 0.532 χ^2/NDF : 461.8/23

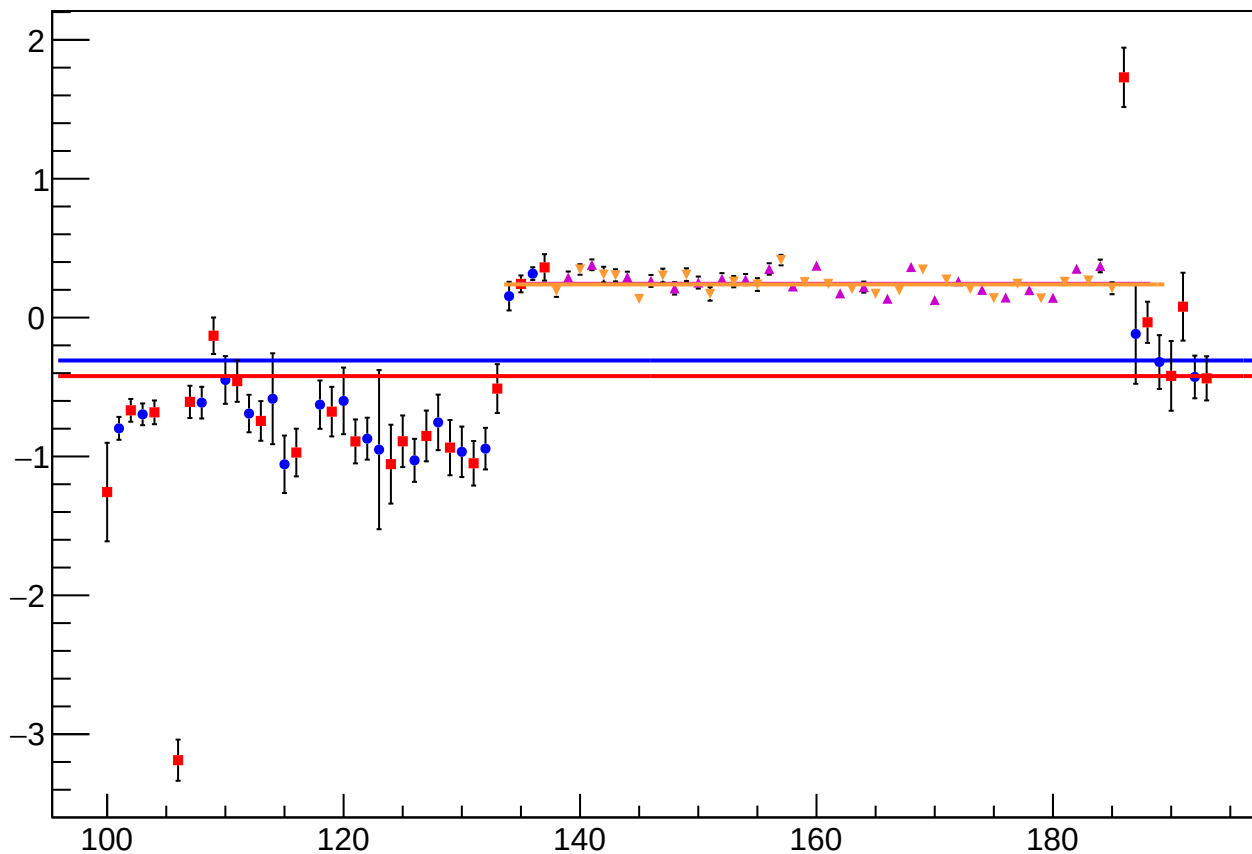
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.204 ± 0.146 χ^2/NDF : 2683.5/44

All: -19.391 ± 0.105 χ^2/NDF : 5794.6/91

- sign -19.589 ± 0.150 χ^2/NDF : 3107.7/46

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.309 ± 0.027 χ^2/NDF : 372.6/19

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.421 ± 0.027 χ^2/NDF : 744.3/23

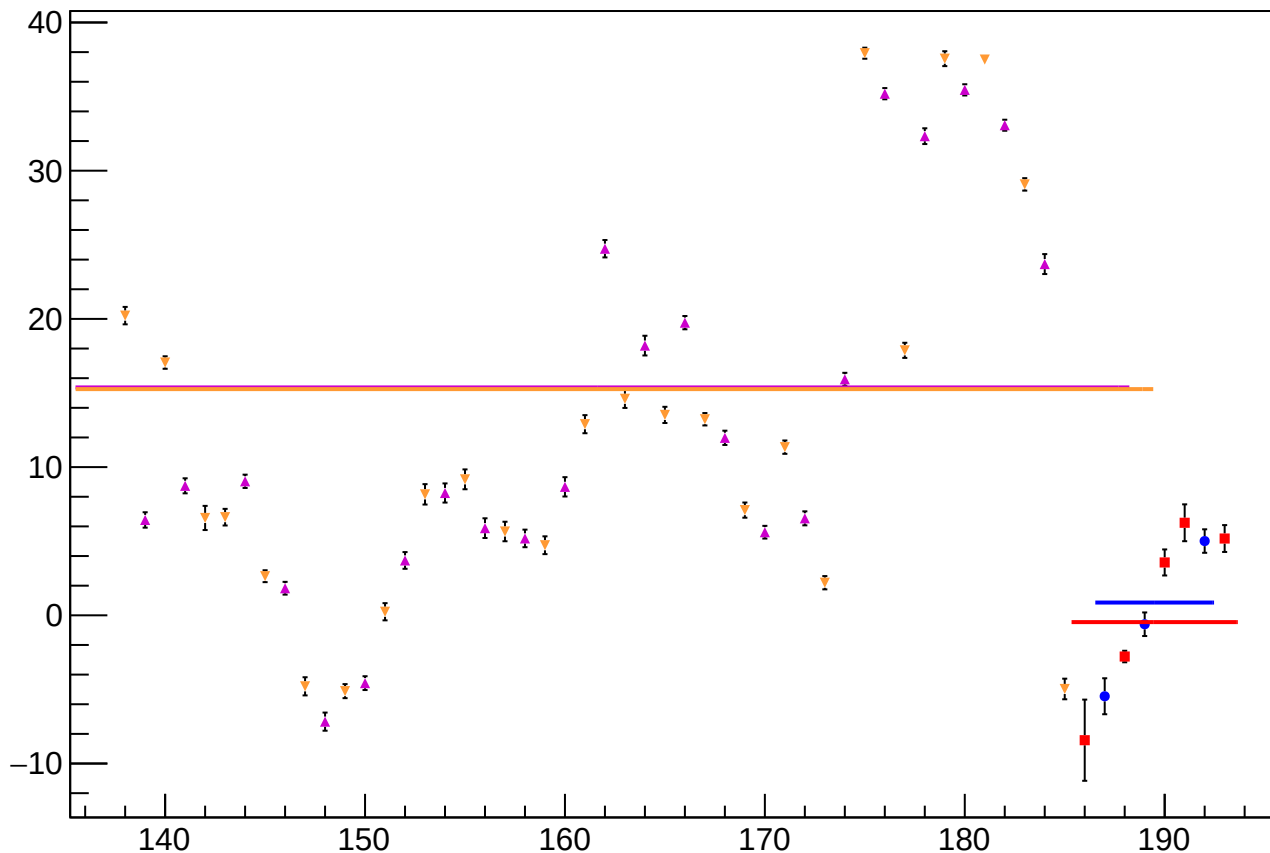
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.204 ± 0.007 χ^2/NDF : 855.9/44

All: 0.202 ± 0.005 χ^2/NDF : 2300.2/91

- sign 0.200 ± 0.007 χ^2/NDF : 1444.2/46

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.862 $\pm$ 0.510 χ^2 /NDF: 57.9/2

Left Out: 15.263 $\pm$ 0.100 χ^2 /NDF:19175.2/24

Right Out: -0.458 $\pm$ 0.318 χ^2 /NDF: 132.9/4

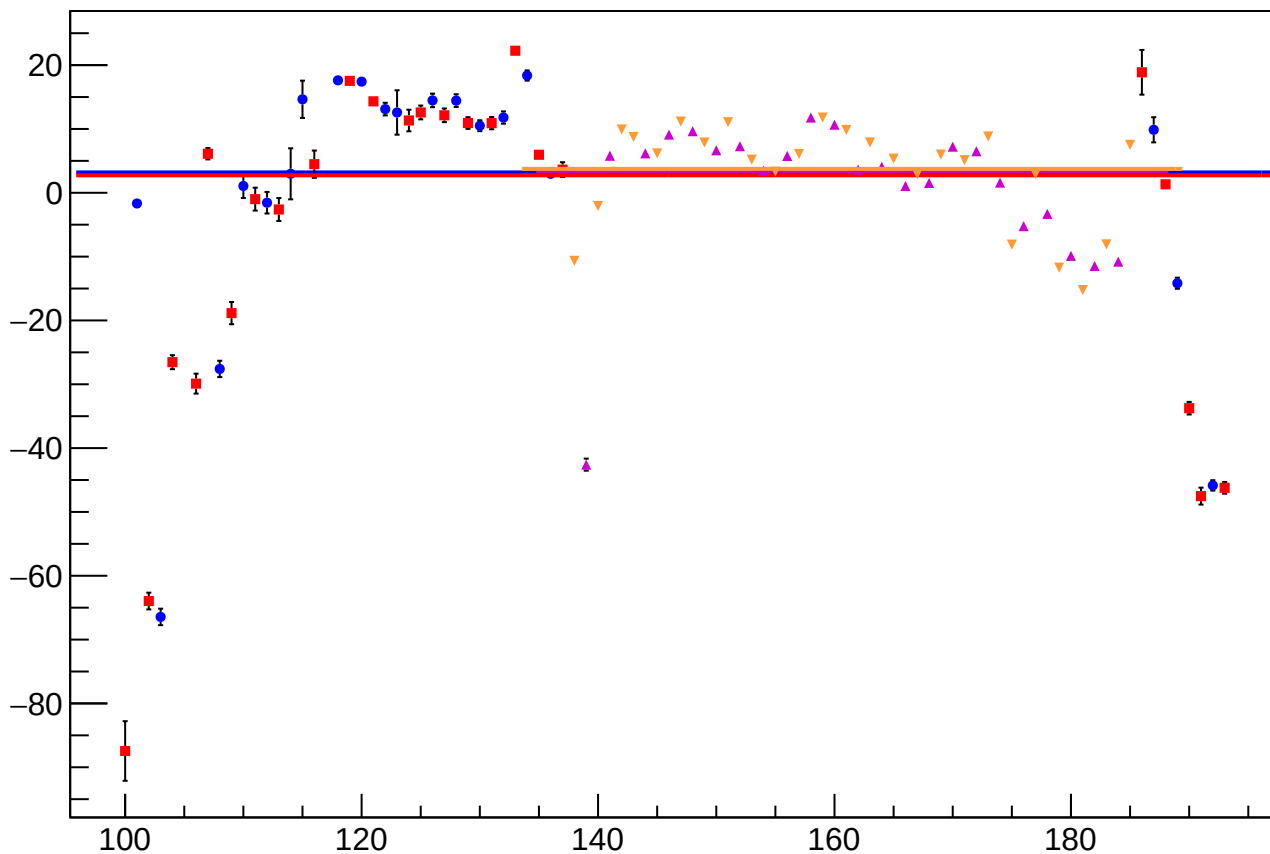
Left In: 15.377 $\pm$ 0.103 χ^2 /NDF:16268.9/22

+ sign 14.724 $\pm$ 0.099 χ^2 /NDF: 20001.8/27

All: 14.297 $\pm$ 0.069 χ^2 /NDF: 38689.0/55

- sign 13.878 $\pm$ 0.098 χ^2 /NDF: 18650.1/27

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 3.190 ± 0.204 χ^2/NDF : 9777.5/19

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: 2.734 ± 0.189 χ^2/NDF : 13113.8/23

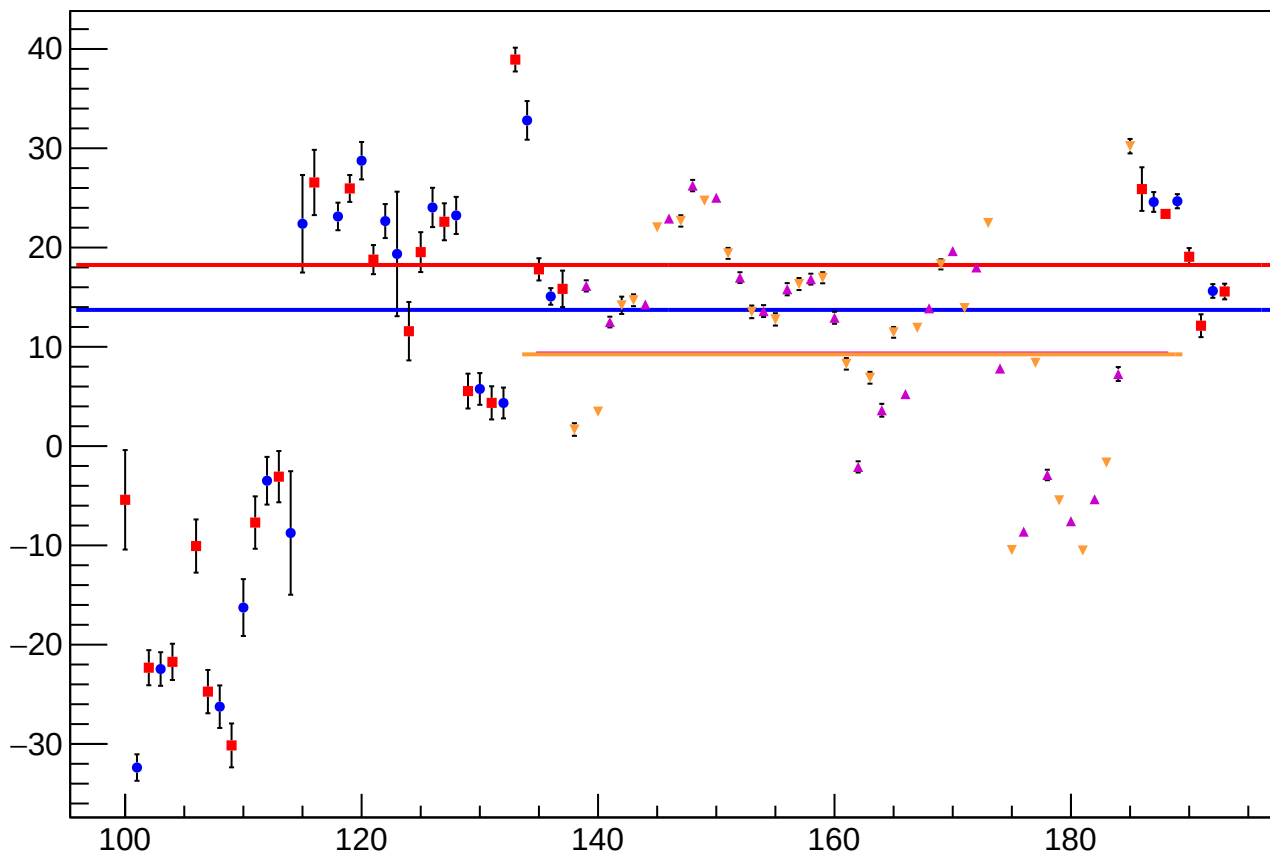
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 3.673 ± 0.073 χ^2/NDF : 19031.4/44

All: 3.474 ± 0.052 χ^2/NDF : 40696.6/91

- sign 3.267 ± 0.075 χ^2/NDF : 21650.2/46

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.720 $\pm$ 0.305 χ^2 /NDF: 2886.7/19

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 18.243 $\pm$ 0.226 χ^2 /NDF: 2961.9/23

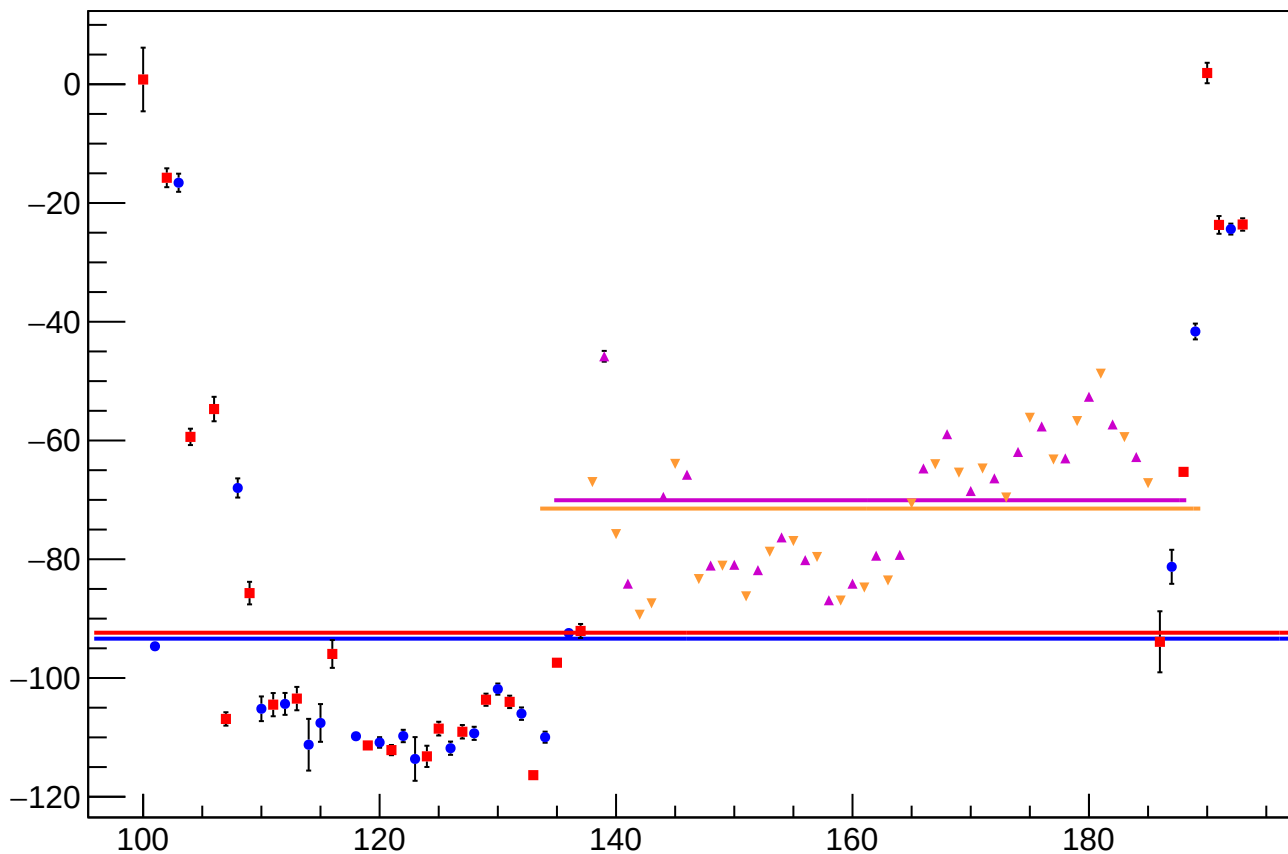
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 9.685 $\pm$ 0.096 χ^2 /NDF: 16714.4/44

All: 10.285 $\pm$ 0.067 χ^2 /NDF: 33016.3/91

- sign 10.856 $\pm$ 0.093 χ^2 /NDF: 16225.2/46

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -93.374 ± 0.237 χ^2/NDF : 12397.9/19

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -92.372 ± 0.226 χ^2/NDF : 18282.0/23

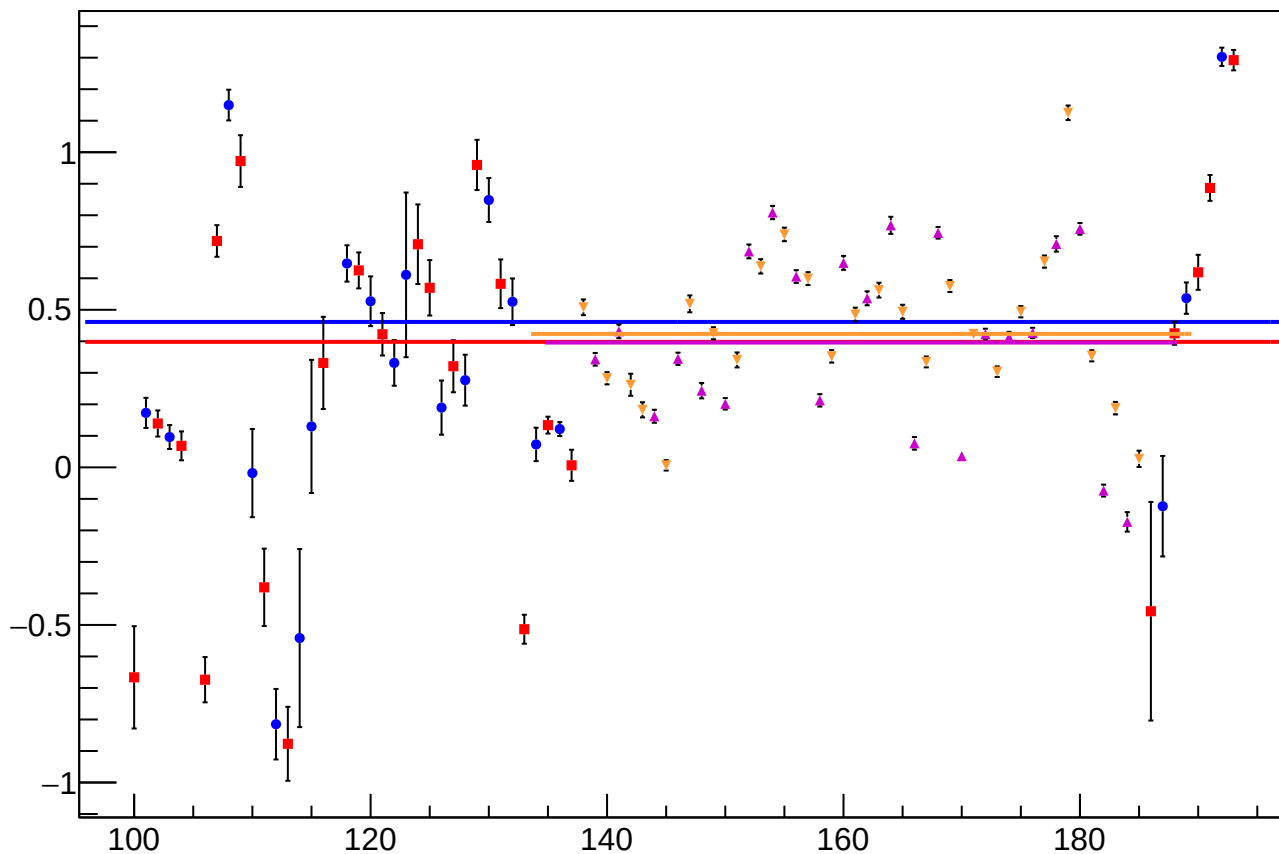
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -74.179 ± 0.084 χ^2/NDF : 36266.0/44

All: -73.710 ± 0.060 χ^2/NDF : 76060.4/91

- sign -73.225 ± 0.085 χ^2/NDF : 39730.3/46

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.461 ± 0.012 χ^2/NDF : 1688.4/19

Left Out: 0.424 ± 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.398 ± 0.011 χ^2/NDF : 2167.2/23

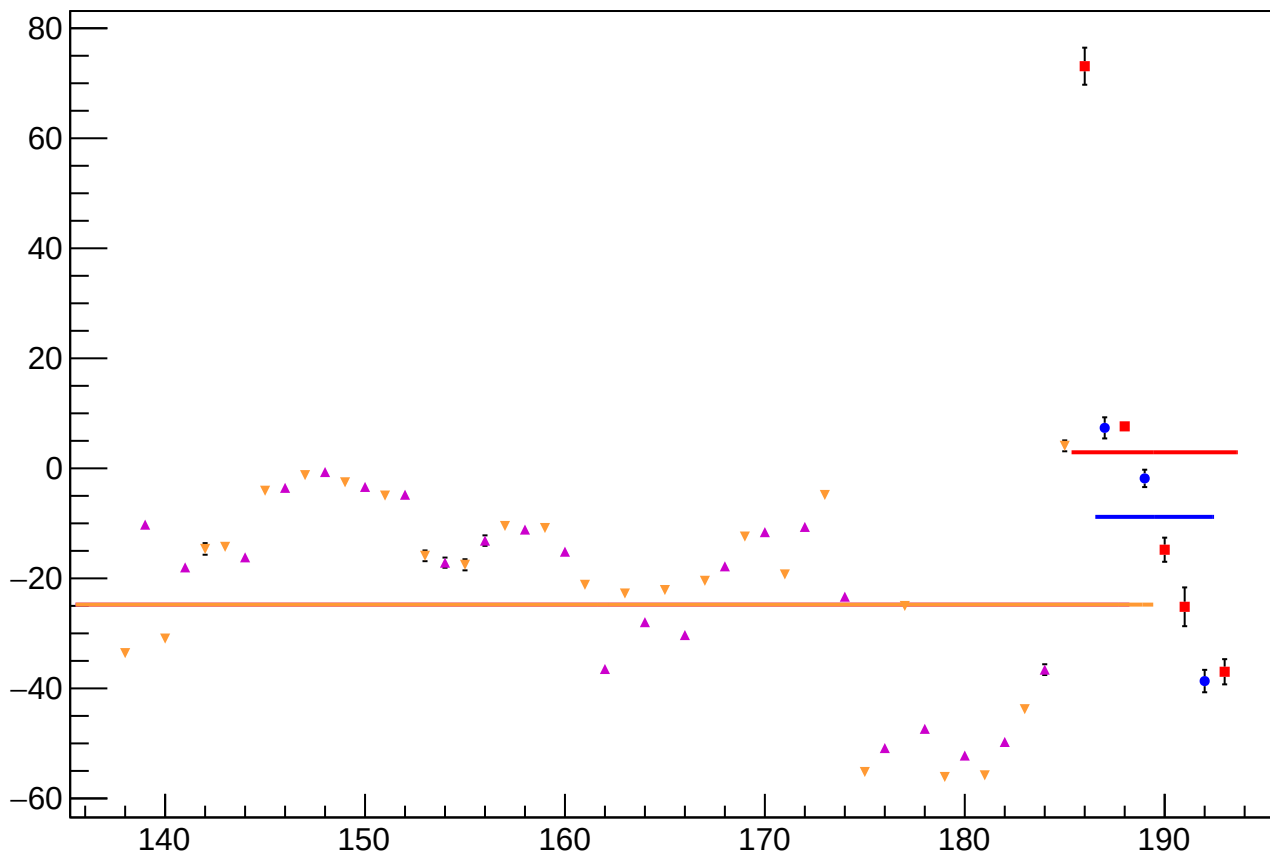
Left In: 0.396 ± 0.004 χ^2/NDF : 4051.5/22

+ sign 0.428 ± 0.004 χ^2/NDF : 4582.4/44

All: 0.412 ± 0.003 χ^2/NDF : 10833.4/91

- sign 0.396 ± 0.004 χ^2/NDF : 6218.8/46

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -8.818 ± 1.047 χ^2/NDF : 305.1/2

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: 2.920 ± 0.686 χ^2/NDF : 900.2/4

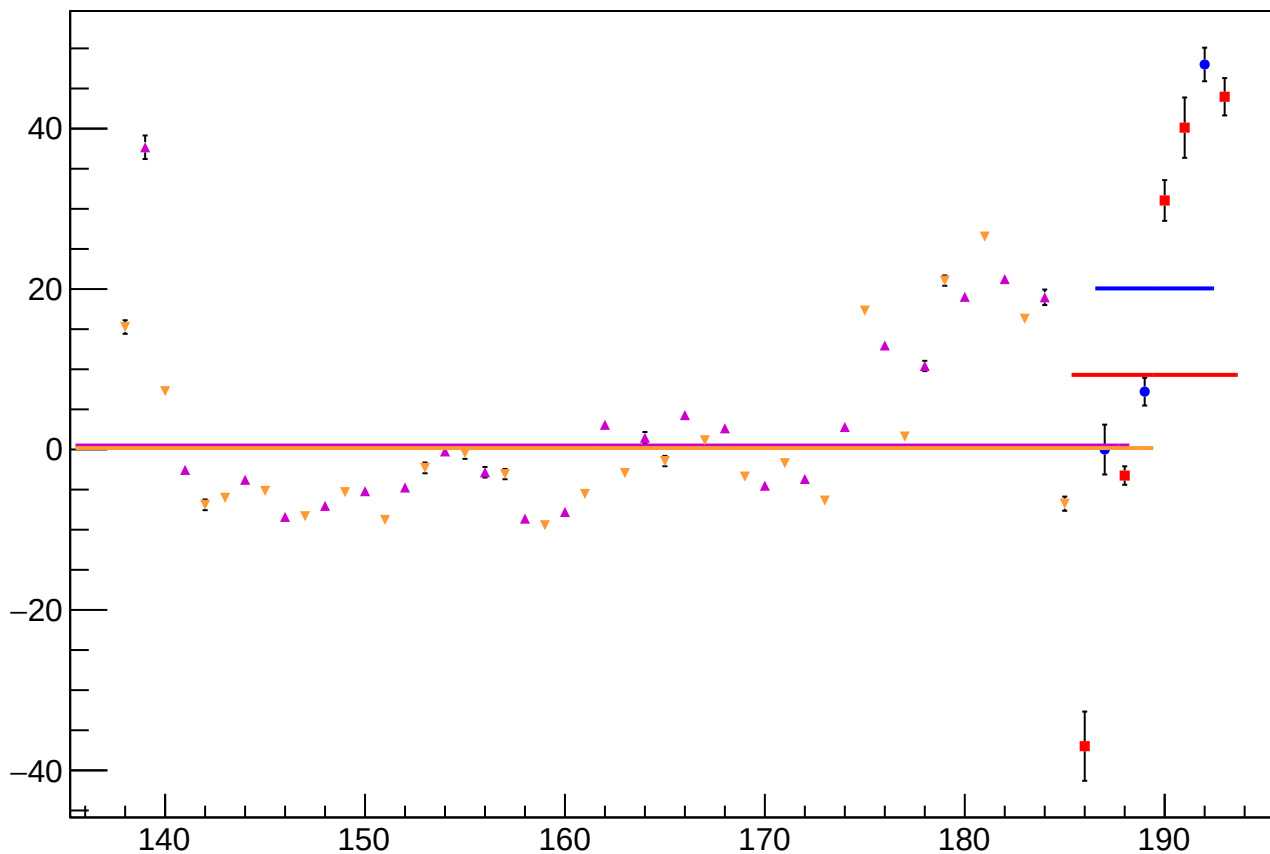
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -24.491 ± 0.138 χ^2/NDF : 18852.1/27

All: -24.062 ± 0.098 χ^2/NDF : 36142.5/55

- sign -23.624 ± 0.140 χ^2/NDF : 17270.9/27

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 20.078 $\pm$ 1.227 χ^2 /NDF: 274.6/2

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF: 8295.6/24

Right Out: 9.302 $\pm$ 0.907 χ^2 /NDF: 595.6/4

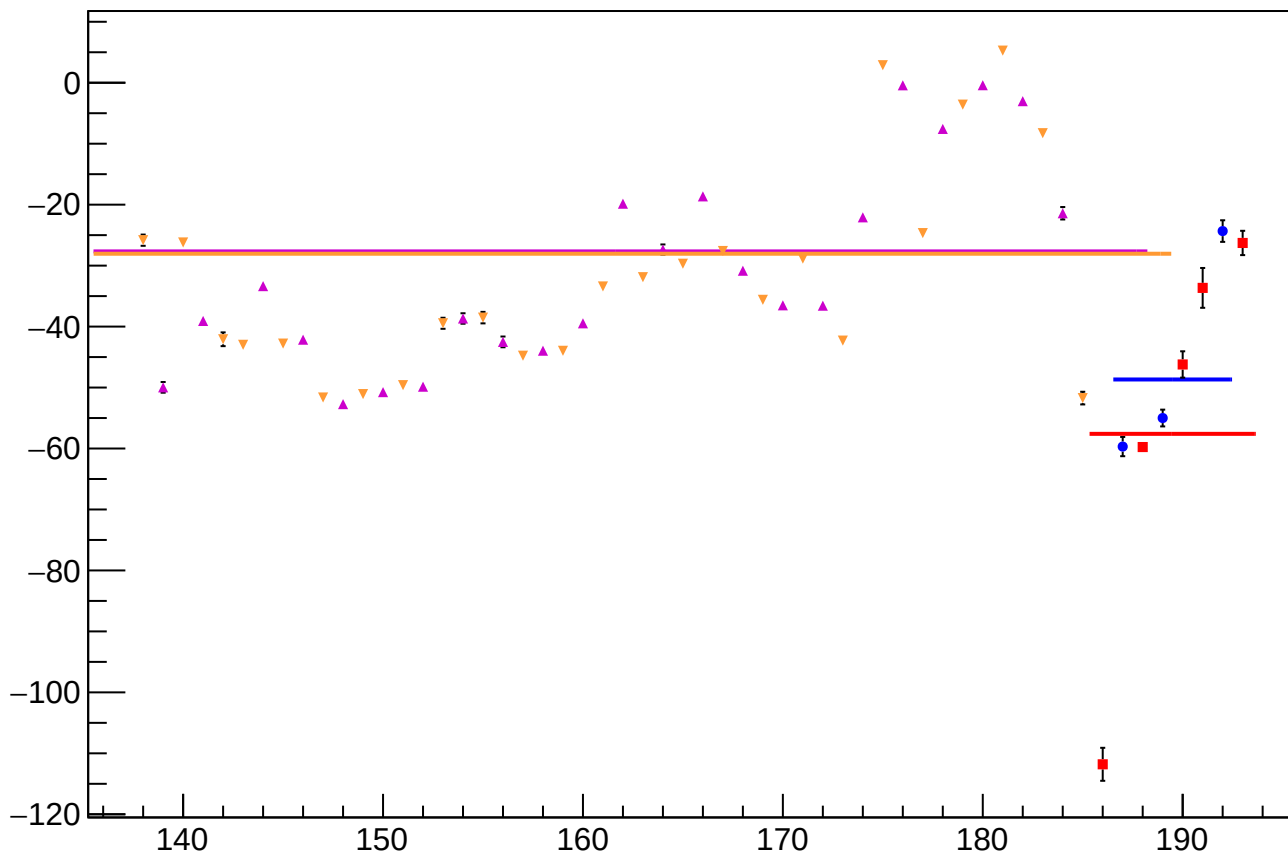
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF: 6555.4/22

+ sign 0.332 $\pm$ 0.108 χ^2 /NDF: 8831.3/27

All: 0.475 $\pm$ 0.078 χ^2 /NDF: 16078.8/55

- sign 0.626 $\pm$ 0.111 χ^2 /NDF: 7243.9/27

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -48.676 ± 0.895 $\chi^2/\text{NDF}: 258.5/2$

Left Out: -28.050 ± 0.140 $\chi^2/\text{NDF}: 17144.5/24$

Right Out: -57.595 ± 0.570 $\chi^2/\text{NDF}: 741.0/4$

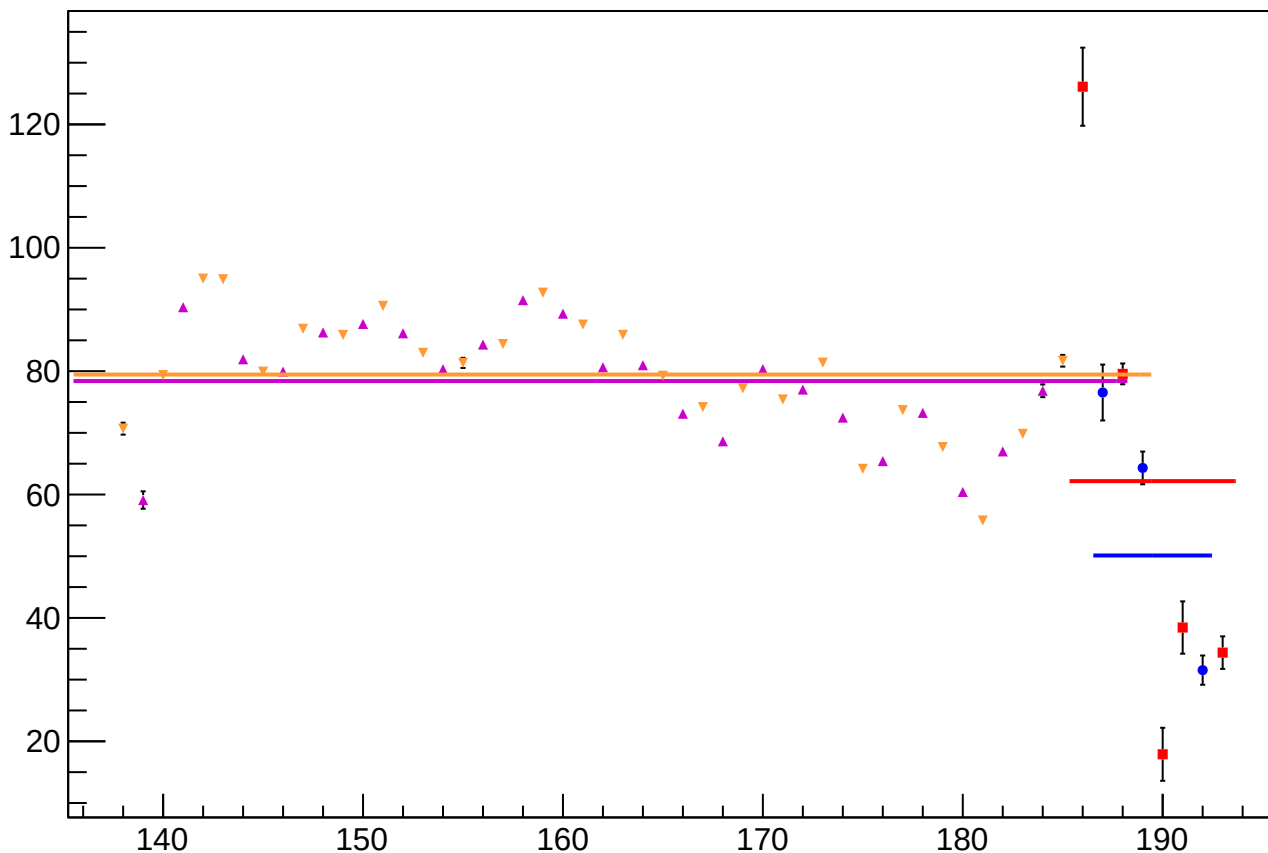
Left In: -27.666 ± 0.142 $\chi^2/\text{NDF}: 15003.2/22$

+ sign -28.541 ± 0.138 $\chi^2/\text{NDF}: 17921.3/27$

All: -28.985 ± 0.098 $\chi^2/\text{NDF}: 36283.8/55$

- sign -29.428 ± 0.138 $\chi^2/\text{NDF}: 18342.0/27$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 50.118 $\pm$ 1.645 χ^2 /NDF: 124.3/2

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF: 6077.1/24

Right Out: 62.174 $\pm$ 1.260 χ^2 /NDF: 456.9/4

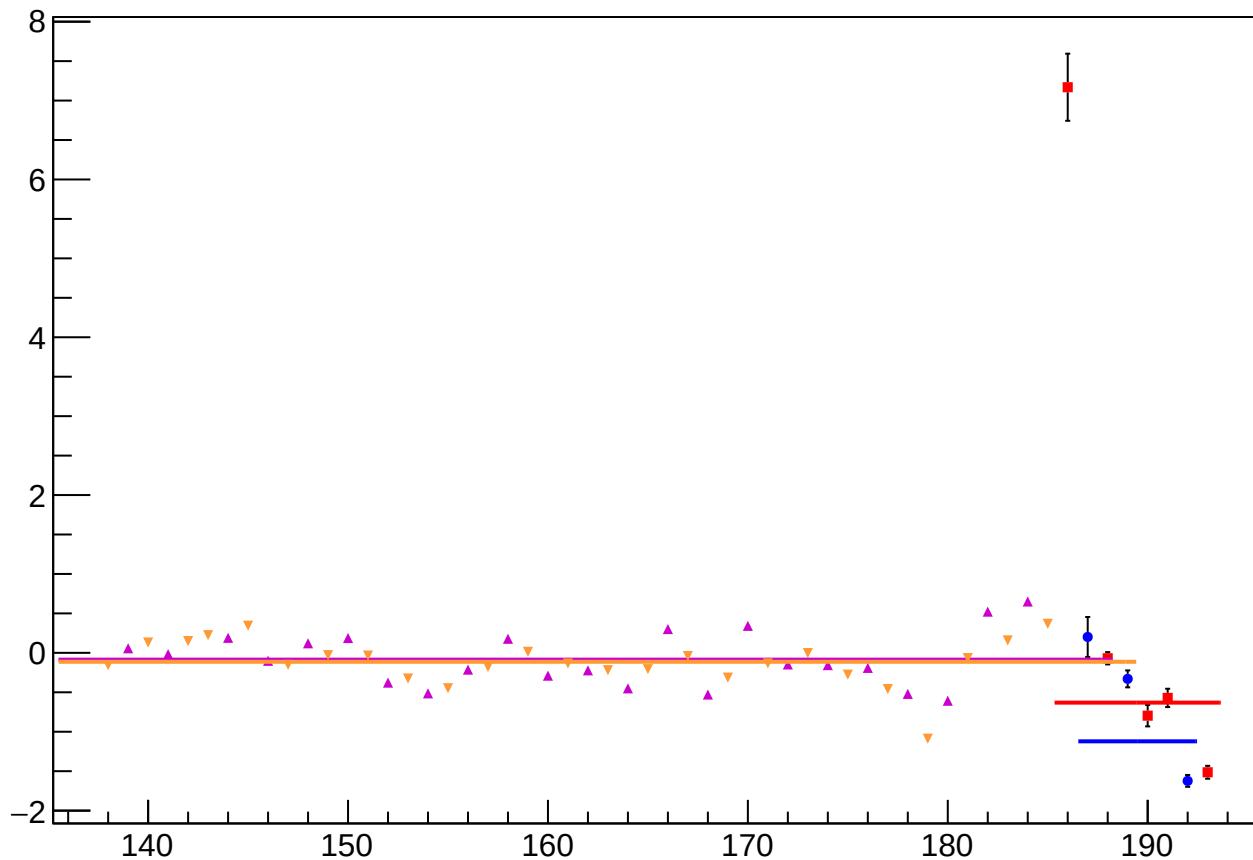
Left In: 78.396 $\pm$ 0.127 χ^2 /NDF: 4707.3/22

+ sign 79.292 $\pm$ 0.123 χ^2 /NDF: 6517.5/27

All: 78.777 $\pm$ 0.088 χ^2 /NDF: 11882.0/55

- sign 78.234 $\pm$ 0.126 χ^2 /NDF: 5328.3/27

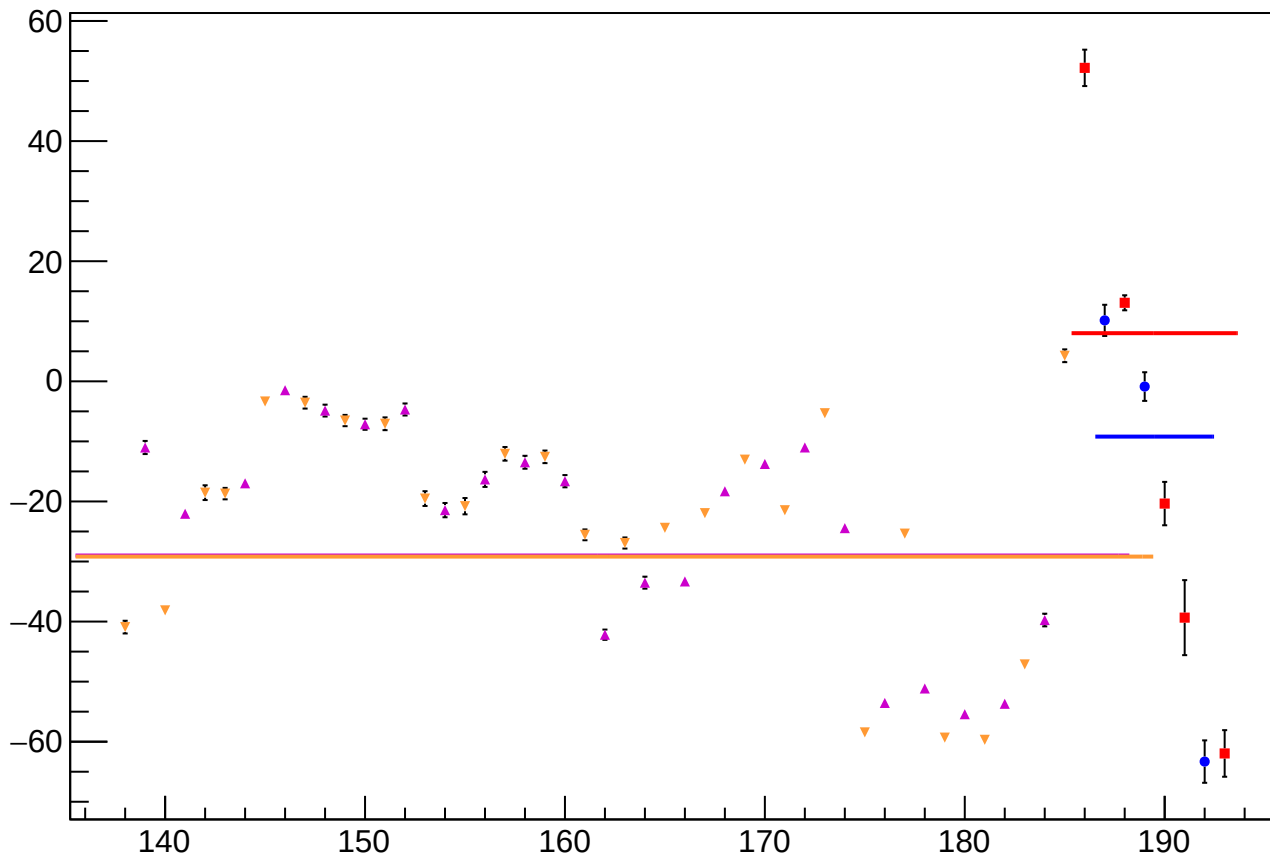
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



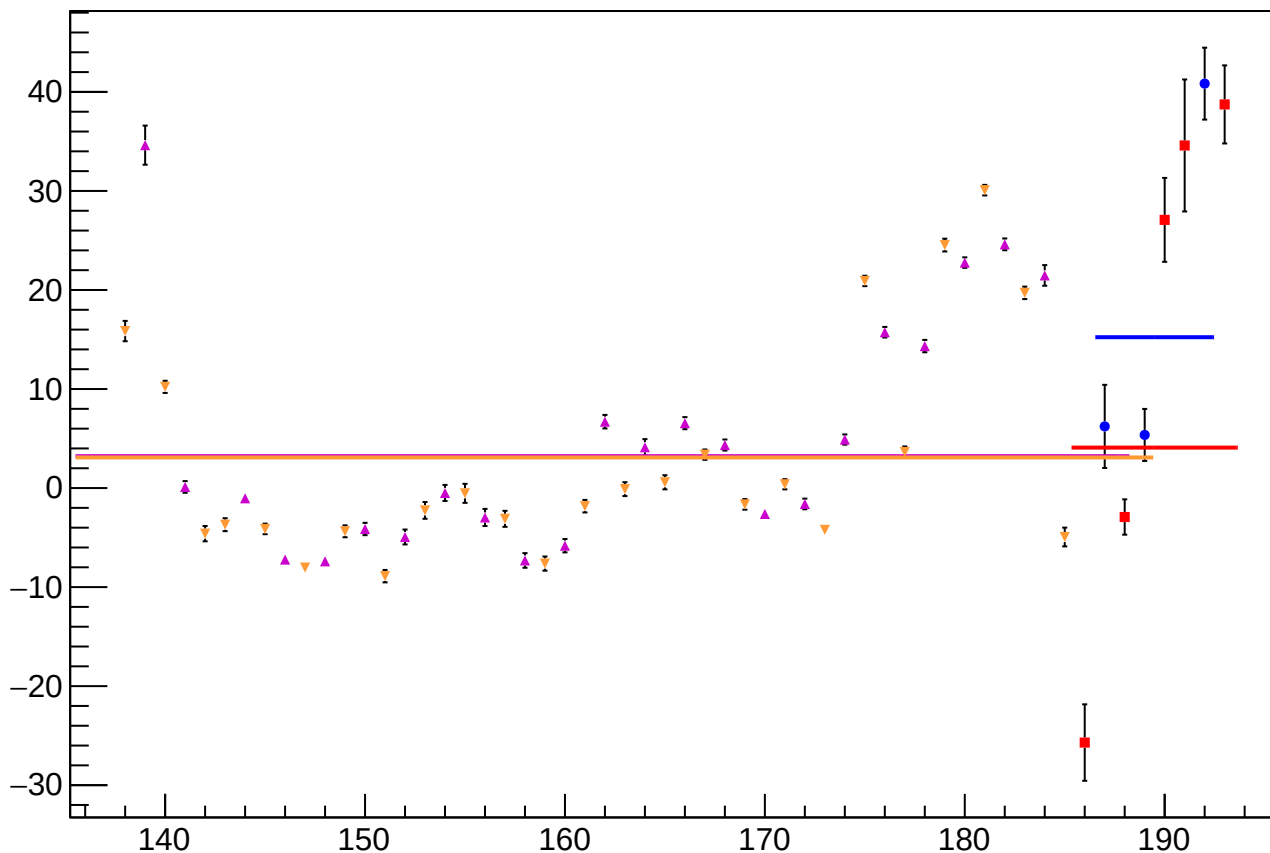
Right In: -1.122+/-0.060 χ^2/NDF : 126.4/2
 Left Out: -0.113+/-0.006 χ^2/NDF : 2303.1/24
 Right Out: -0.631+/-0.047 χ^2/NDF : 506.1/4
 Left In: -0.086+/-0.006 χ^2/NDF : 3132.1/22

+ sign -0.122+/-0.006 χ^2/NDF : 2711.9/27
 All: -0.109+/-0.004 χ^2/NDF : 6493.0/55
 - sign -0.094+/-0.006 χ^2/NDF : 3769.0/27

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 15.232 $\pm$ 1.898 χ^2 /NDF: 68.4/2

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF:8084.1/24

Right Out: 4.084 $\pm$ 1.382 χ^2 /NDF: 202.6/4

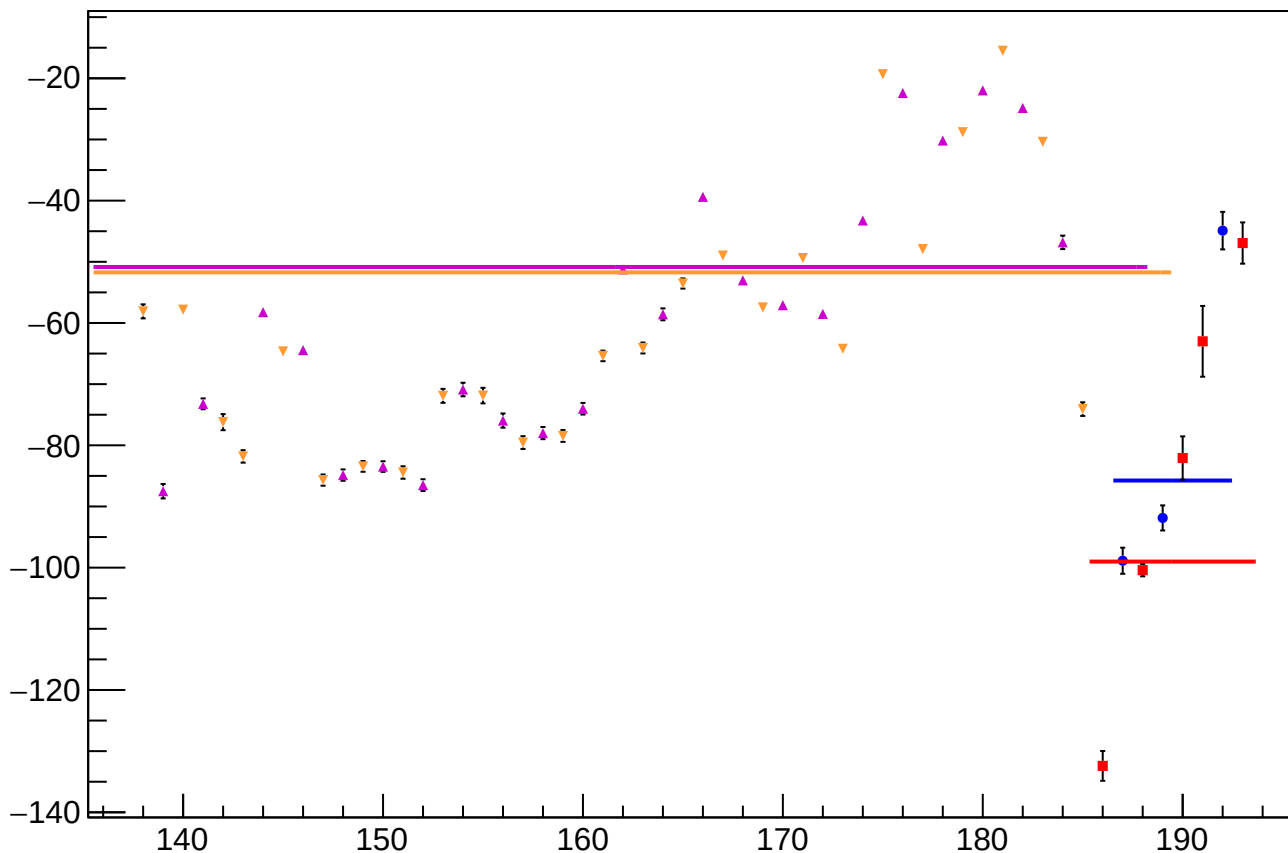
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

+ sign 3.143 $\pm$ 0.124 χ^2 /NDF: 8193.2/27

All: 3.185 $\pm$ 0.089 χ^2 /NDF: 14634.1/55

- sign 3.228 $\pm$ 0.126 χ^2 /NDF: 6440.6/27

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -85.759 ± 1.333 $\chi^2/\text{NDF}: 223.6/2$

Left Out: -51.729 ± 0.158 $\chi^2/\text{NDF}: 19538.0/24$

Right Out: -99.009 ± 0.862 $\chi^2/\text{NDF}: 490.2/4$

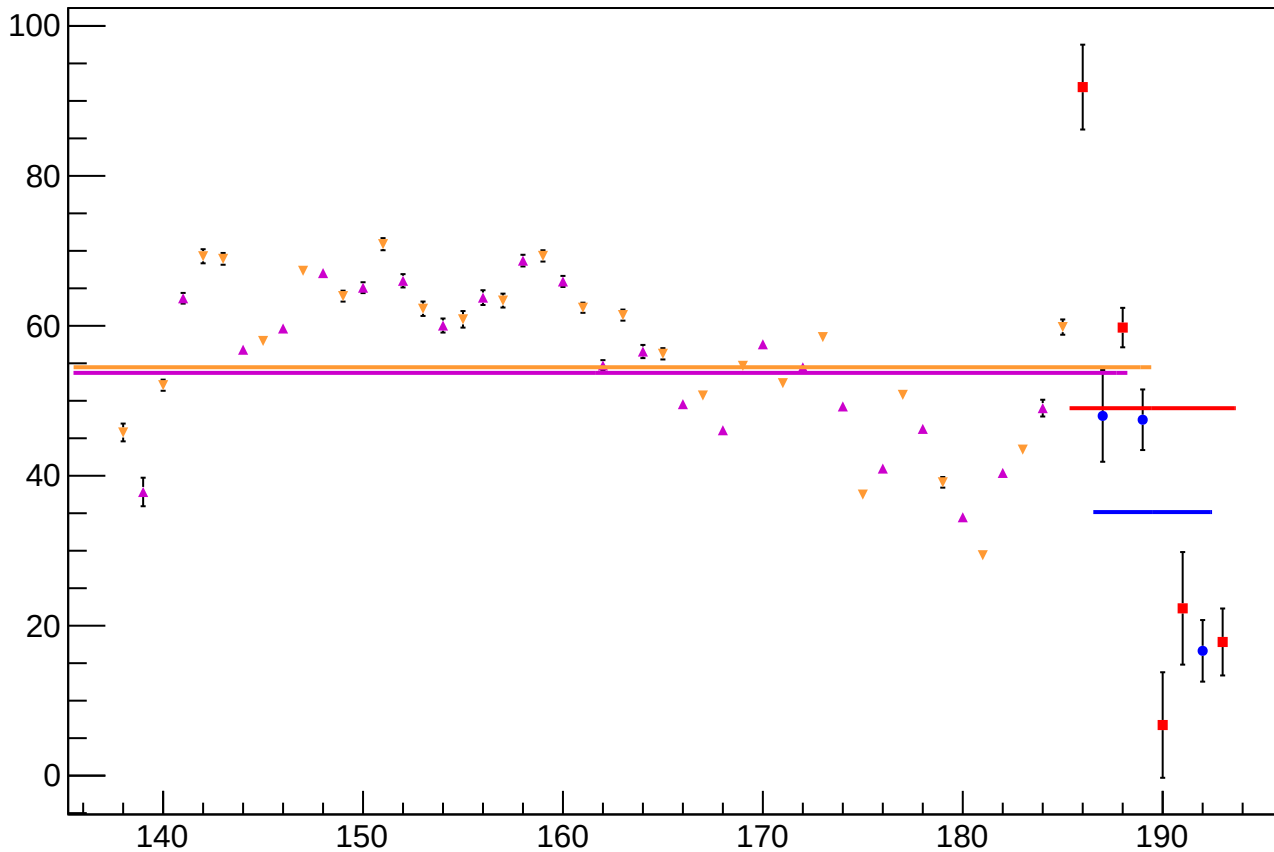
Left In: -50.844 ± 0.160 $\chi^2/\text{NDF}: 17272.0/22$

+ sign -52.200 ± 0.157 $\chi^2/\text{NDF}: 20404.4/27$

All: -52.324 ± 0.111 $\chi^2/\text{NDF}: 41184.2/55$

- sign -52.450 ± 0.157 $\chi^2/\text{NDF}: 20778.5/27$

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 35.156+/-2.606 χ^2/NDF : 34.0/2

Left Out: 54.476+/-0.140 χ^2/NDF : 6266.9/24

Right Out: 49.012+/-1.947 χ^2/NDF : 171.4/4

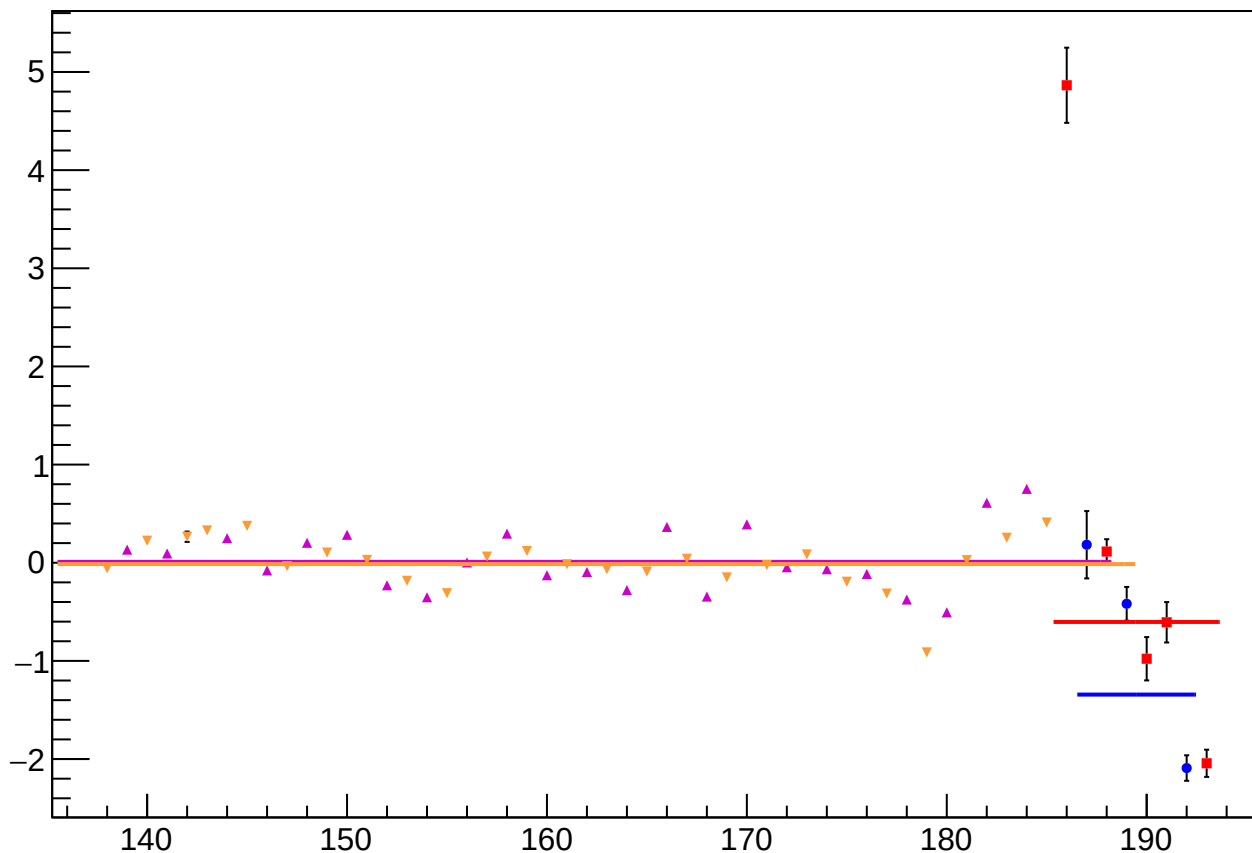
Left In: 53.724+/-0.143 χ^2/NDF : 4585.7/22

+ sign 54.420+/-0.140 χ^2/NDF : 6355.7/27

All: 54.066+/-0.100 χ^2/NDF : 11131.7/55

- sign 53.698+/-0.143 χ^2/NDF : 4763.0/27

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.343 $\pm$ 0.099 χ^2 /NDF: 82.0/2

Left Out: -0.014 $\pm$ 0.006 χ^2 /NDF:1654.7/24

Right Out: -0.603 $\pm$ 0.078 χ^2 /NDF: 346.9/4

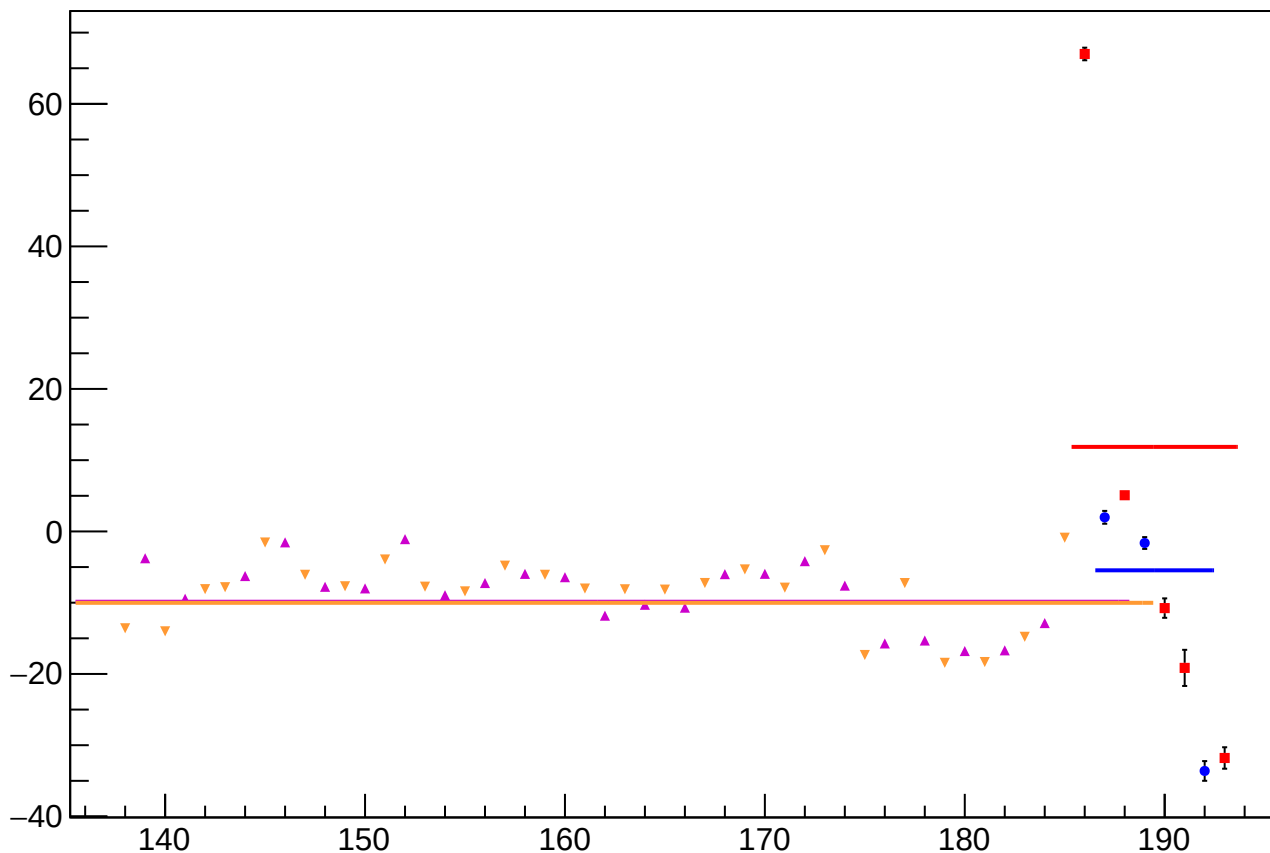
Left In: 0.009 $\pm$ 0.007 χ^2 /NDF:2220.5/22

+ sign -0.019 $\pm$ 0.006 χ^2 /NDF: 1915.5/27

All: -0.007 $\pm$ 0.005 χ^2 /NDF: 4551.7/55

- sign 0.005 $\pm$ 0.007 χ^2 /NDF: 2629.3/27

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.457 $\pm$ 0.558 χ^2 /NDF: 504.1/2

Left Out: -10.017 $\pm$ 0.051 χ^2 /NDF: 12552.8/24

Right Out: 11.864 $\pm$ 0.366 χ^2 /NDF: 5380.7/4

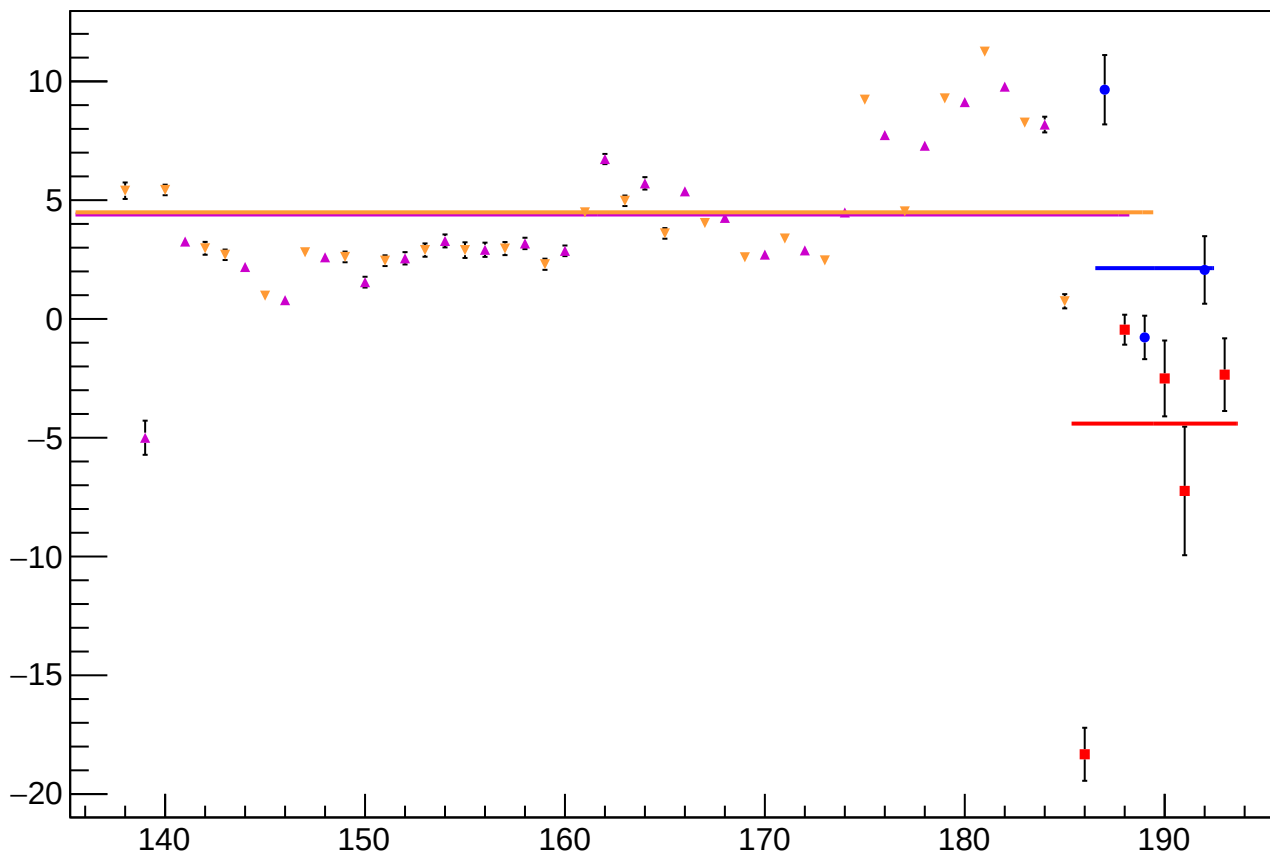
Left In: -9.865 $\pm$ 0.051 χ^2 /NDF: 9345.4/22

+ sign -9.980 $\pm$ 0.050 χ^2 /NDF: 13123.1/27

All: -9.715 $\pm$ 0.036 χ^2 /NDF: 31353.5/55

- sign -9.446 $\pm$ 0.051 χ^2 /NDF: 18175.0/27

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 2.138 $\pm$ 0.681 χ^2 /NDF: 36.6/2

Left Out: 4.489 $\pm$ 0.041 χ^2 /NDF: 4832.3/24

Right Out: -4.405 $\pm$ 0.484 χ^2 /NDF: 199.1/4

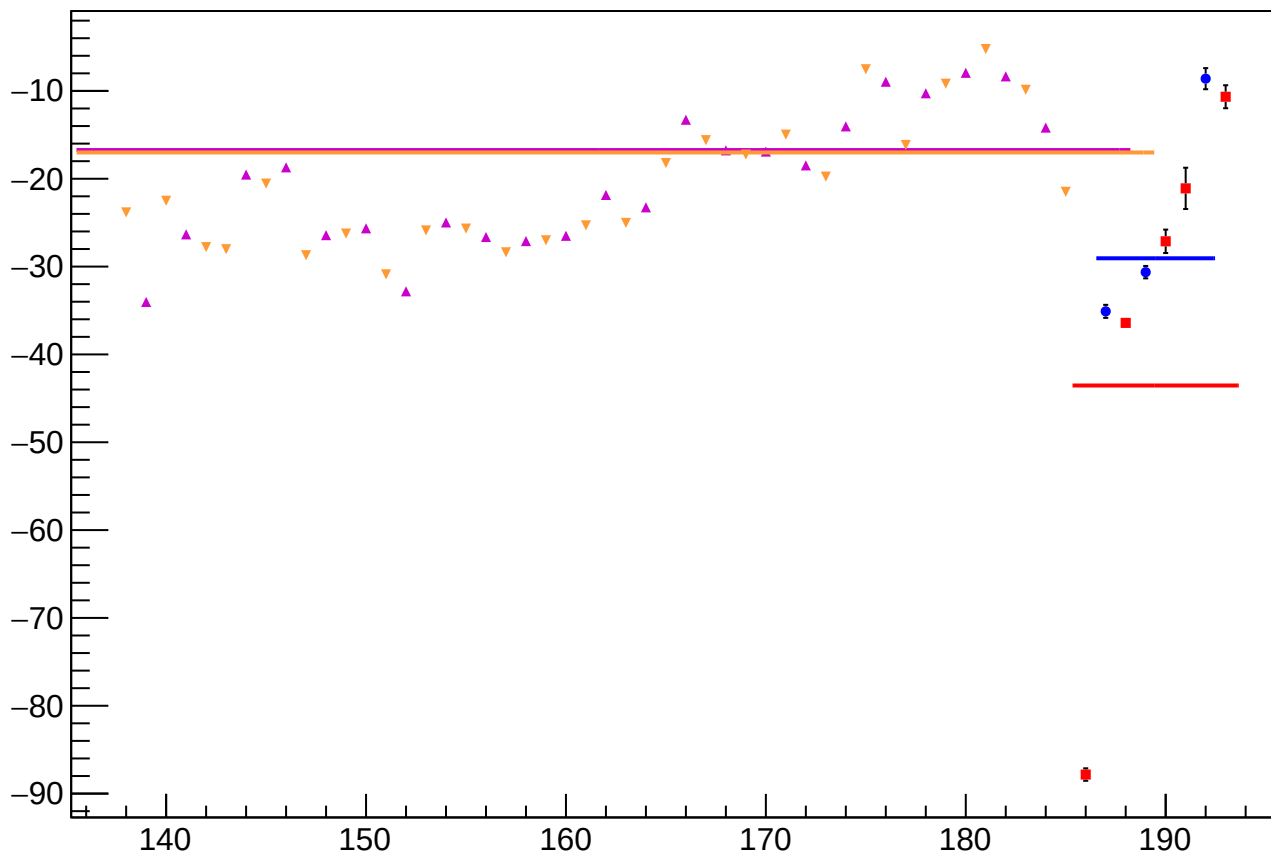
Left In: 4.396 $\pm$ 0.041 χ^2 /NDF: 4230.4/22

+ sign 4.480 $\pm$ 0.041 χ^2 /NDF: 4880.8/27

All: 4.407 $\pm$ 0.029 χ^2 /NDF: 9645.5/55

- sign 4.333 $\pm$ 0.041 χ^2 /NDF: 4758.1/27

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -29.055 ± 0.471 χ^2/NDF : 360.9/2

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -43.539 ± 0.301 χ^2/NDF : 5148.8/4

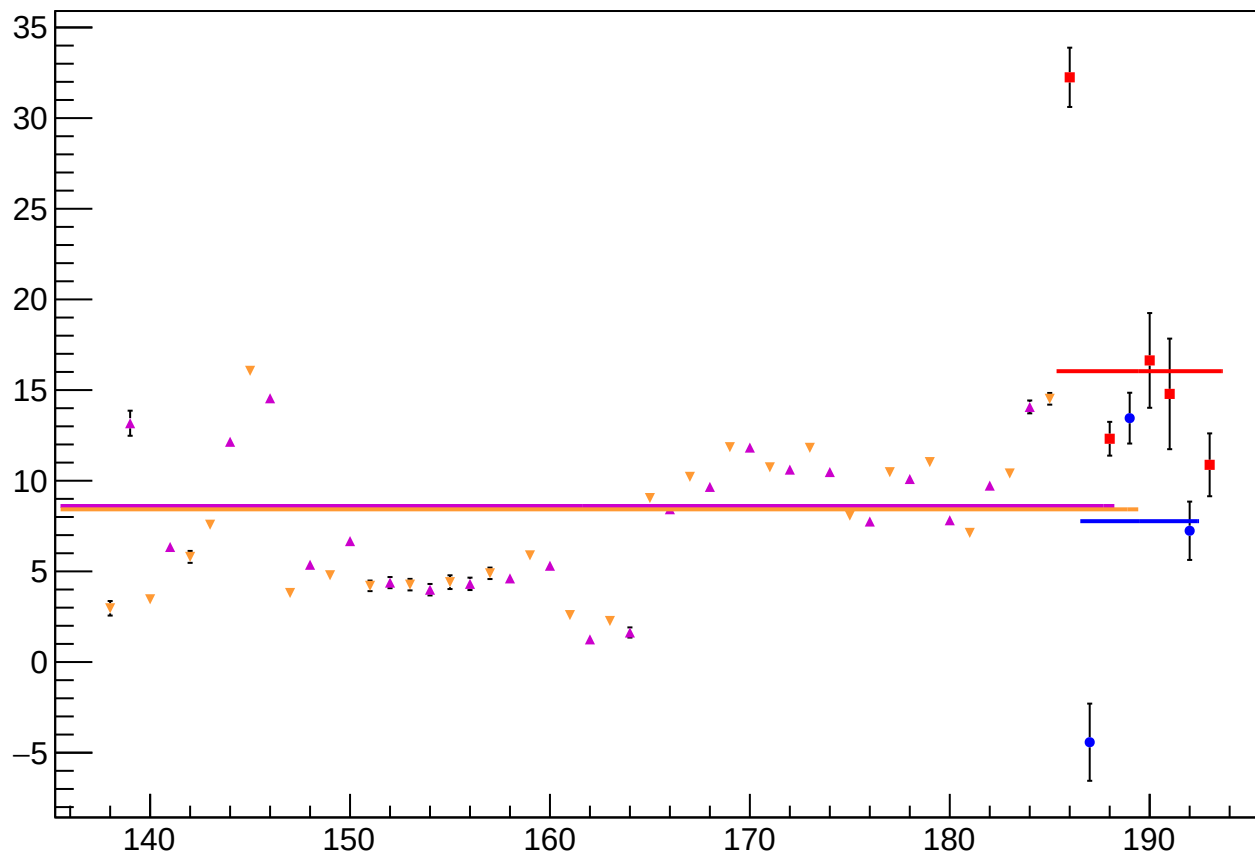
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.149 ± 0.051 χ^2/NDF : 23103.3/27

All: -17.322 ± 0.036 χ^2/NDF : 54762.1/55

- sign -17.495 ± 0.051 χ^2/NDF : 31635.5/27

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 7.769 ± 0.946 $\chi^2/\text{NDF}: 49.4/2$

Left Out: 8.422 ± 0.046 $\chi^2/\text{NDF}: 6470.1/24$

Right Out: 16.042 ± 0.688 $\chi^2/\text{NDF}: 123.3/4$

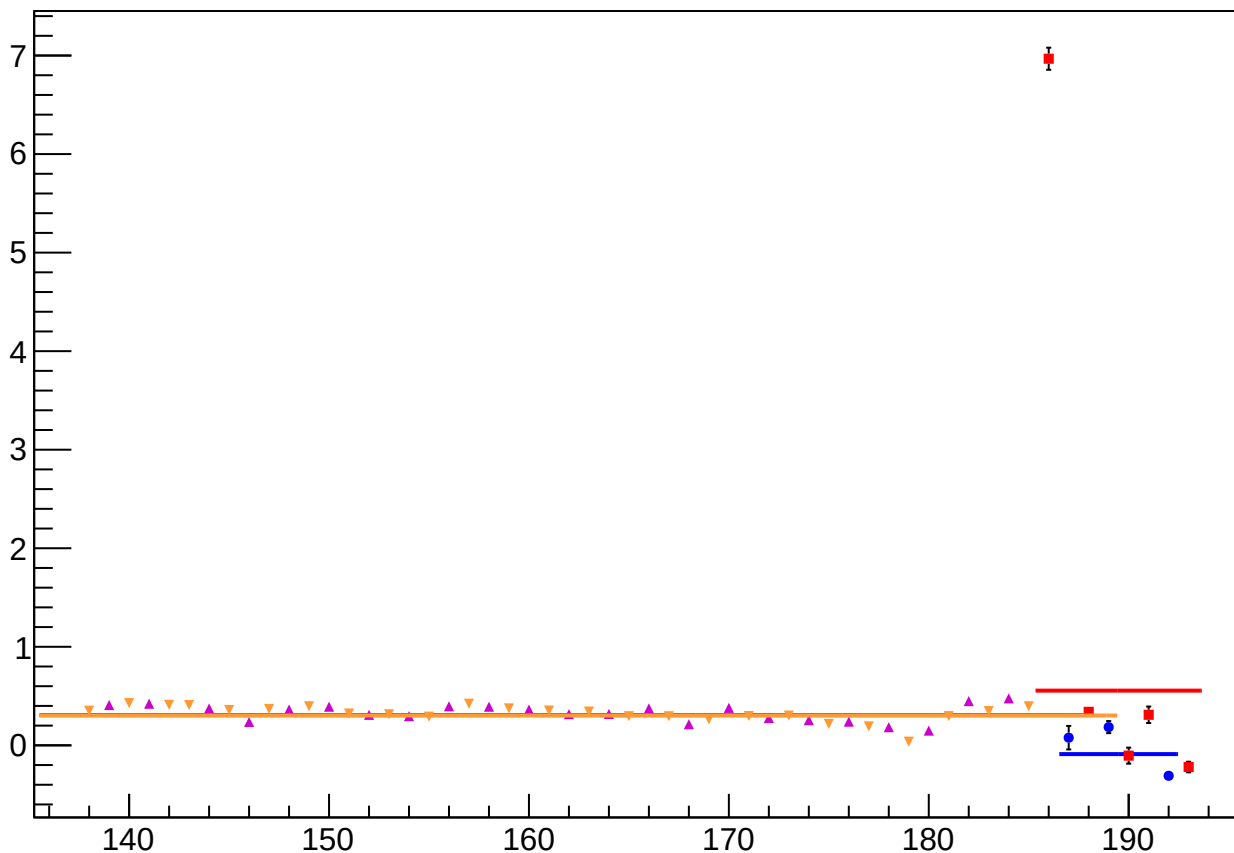
Left In: 8.606 ± 0.046 $\chi^2/\text{NDF}: 5504.2/22$

+ sign 8.420 ± 0.046 $\chi^2/\text{NDF}: 6520.0/27$

All: 8.529 ± 0.032 $\chi^2/\text{NDF}: 12275.3/55$

- sign 8.640 ± 0.046 $\chi^2/\text{NDF}: 5743.9/27$

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: -0.089 ± 0.037 $\chi^2/\text{NDF}: 40.7/2$

Left Out: 0.302 ± 0.002 $\chi^2/\text{NDF}: 1590.9/24$

Right Out: 0.555 ± 0.029 $\chi^2/\text{NDF}: 3571.8/4$

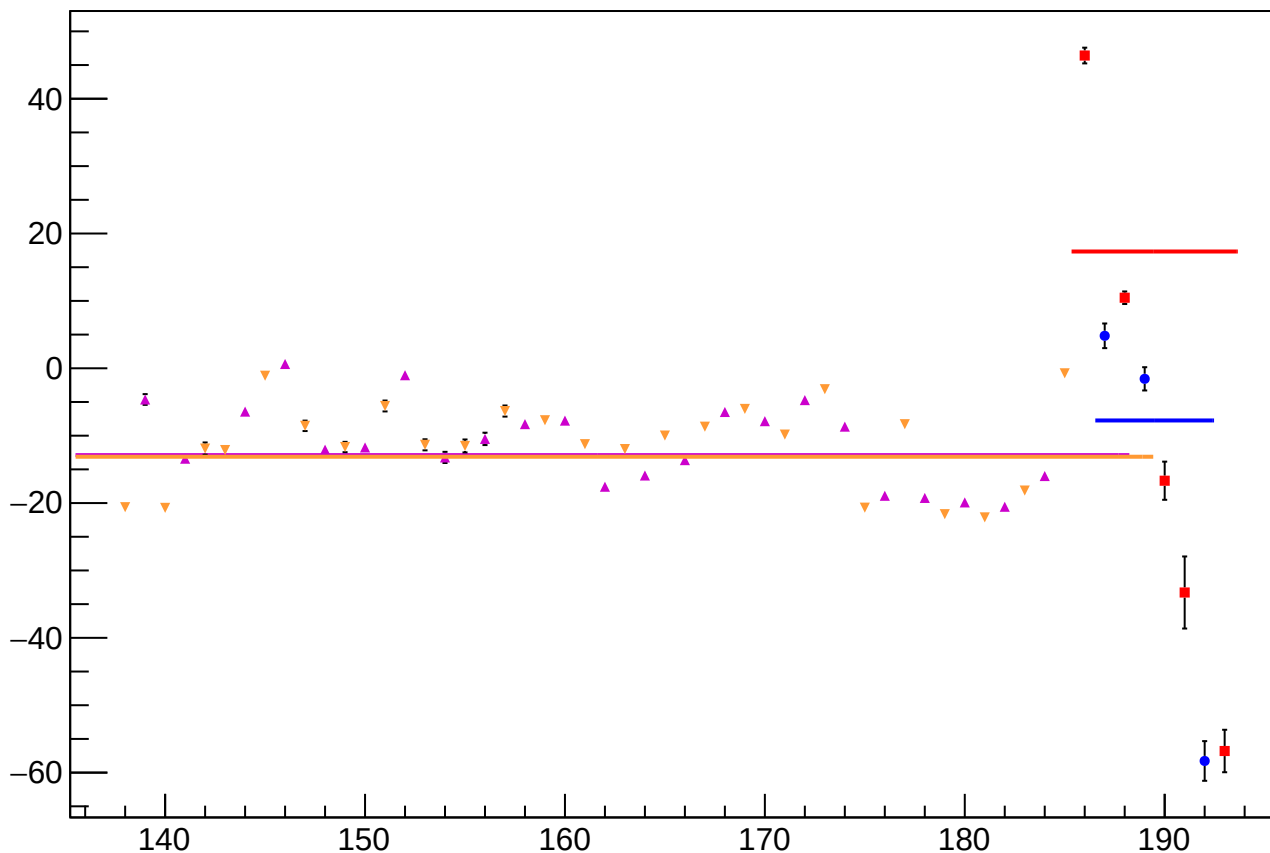
Left In: 0.307 ± 0.002 $\chi^2/\text{NDF}: 1699.5/22$

+ sign 0.301 ± 0.002 $\chi^2/\text{NDF}: 1742.3/27$

All: 0.305 ± 0.001 $\chi^2/\text{NDF}: 7094.1/55$

- sign 0.309 ± 0.002 $\chi^2/\text{NDF}: 5345.7/27$

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -7.742 ± 1.155 χ^2/NDF : 354.6/2

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: 17.330 ± 0.683 χ^2/NDF : 1462.9/4

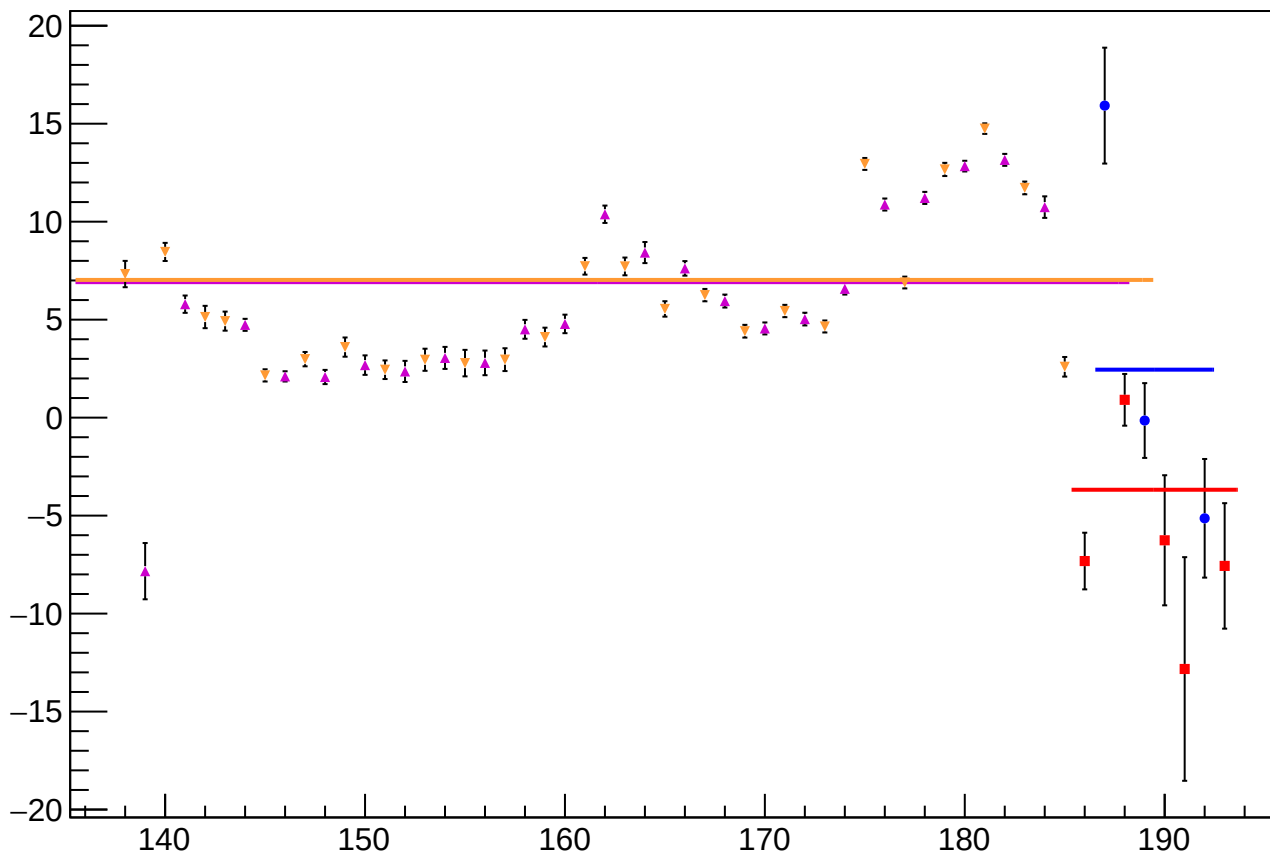
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -13.090 ± 0.093 χ^2/NDF : 6353.8/27

All: -12.703 ± 0.066 χ^2/NDF : 14549.5/55

- sign -12.310 ± 0.094 χ^2/NDF : 8161.2/27

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.448 $\pm$ 1.417 χ^2 /NDF: 28.9/2

Left Out: 7.028 $\pm$ 0.077 χ^2 /NDF:2665.3/24

Right Out: -3.680 $\pm$ 0.887 χ^2 /NDF: 23.1/4

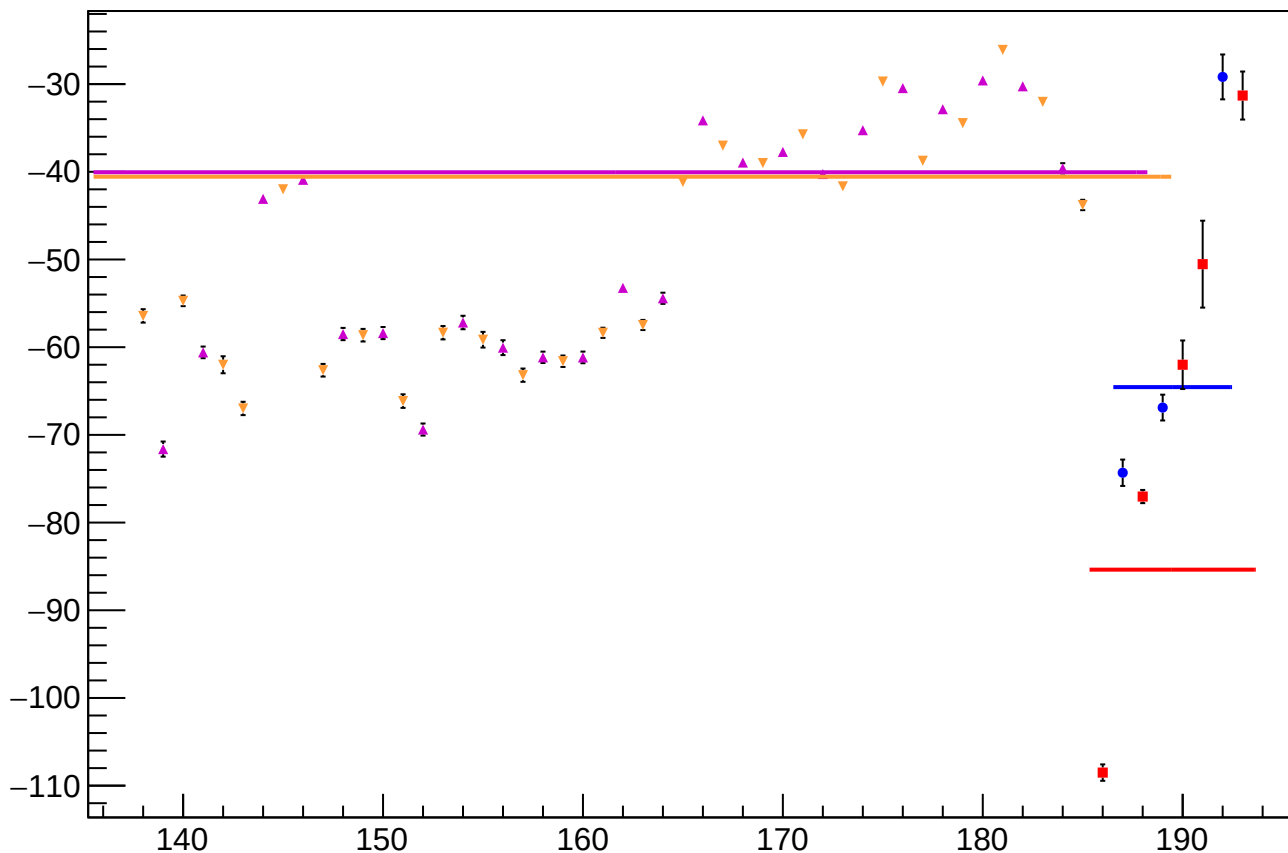
Left In: 6.914 $\pm$ 0.078 χ^2 /NDF:2428.2/22

+ sign 7.014 $\pm$ 0.077 χ^2 /NDF: 2704.6/27

All: 6.924 $\pm$ 0.055 χ^2 /NDF: 5300.3/55

- sign 6.833 $\pm$ 0.077 χ^2 /NDF: 2593.0/27

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -64.553 ± 0.973 $\chi^2/\text{NDF}: 235.7/2$

Left Out: -40.563 ± 0.095 $\chi^2/\text{NDF}: 15637.6/24$

Right Out: -85.368 ± 0.558 $\chi^2/\text{NDF}: 1245.1/4$

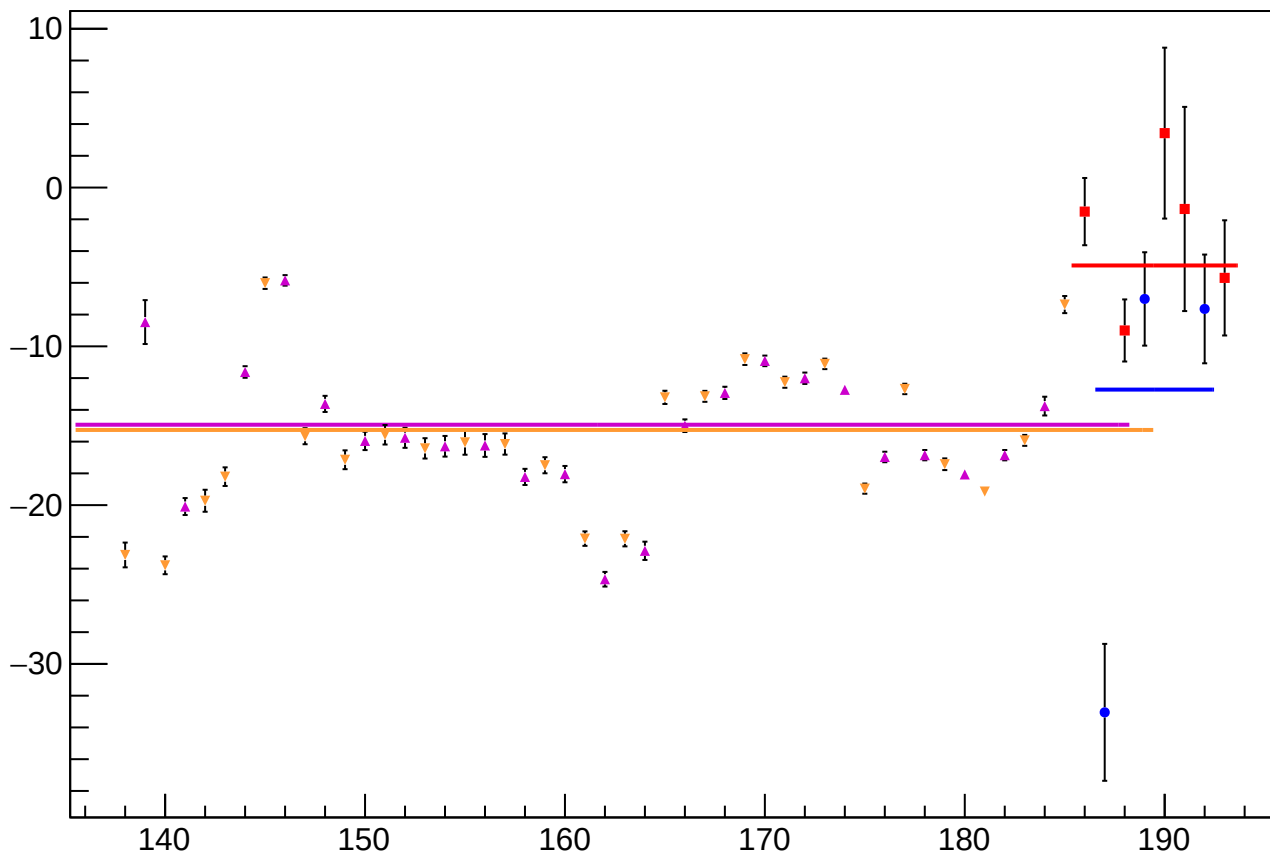
Left In: -40.053 ± 0.096 $\chi^2/\text{NDF}: 13927.3/22$

+ sign -40.788 ± 0.094 $\chi^2/\text{NDF}: 16475.7/27$

All: -41.069 ± 0.067 $\chi^2/\text{NDF}: 38083.7/55$

- sign -41.349 ± 0.094 $\chi^2/\text{NDF}: 21590.3/27$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -12.724 ± 1.981 $\chi^2/\text{NDF}: 28.2/2$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -4.907 ± 1.271 $\chi^2/\text{NDF}: 9.7/4$

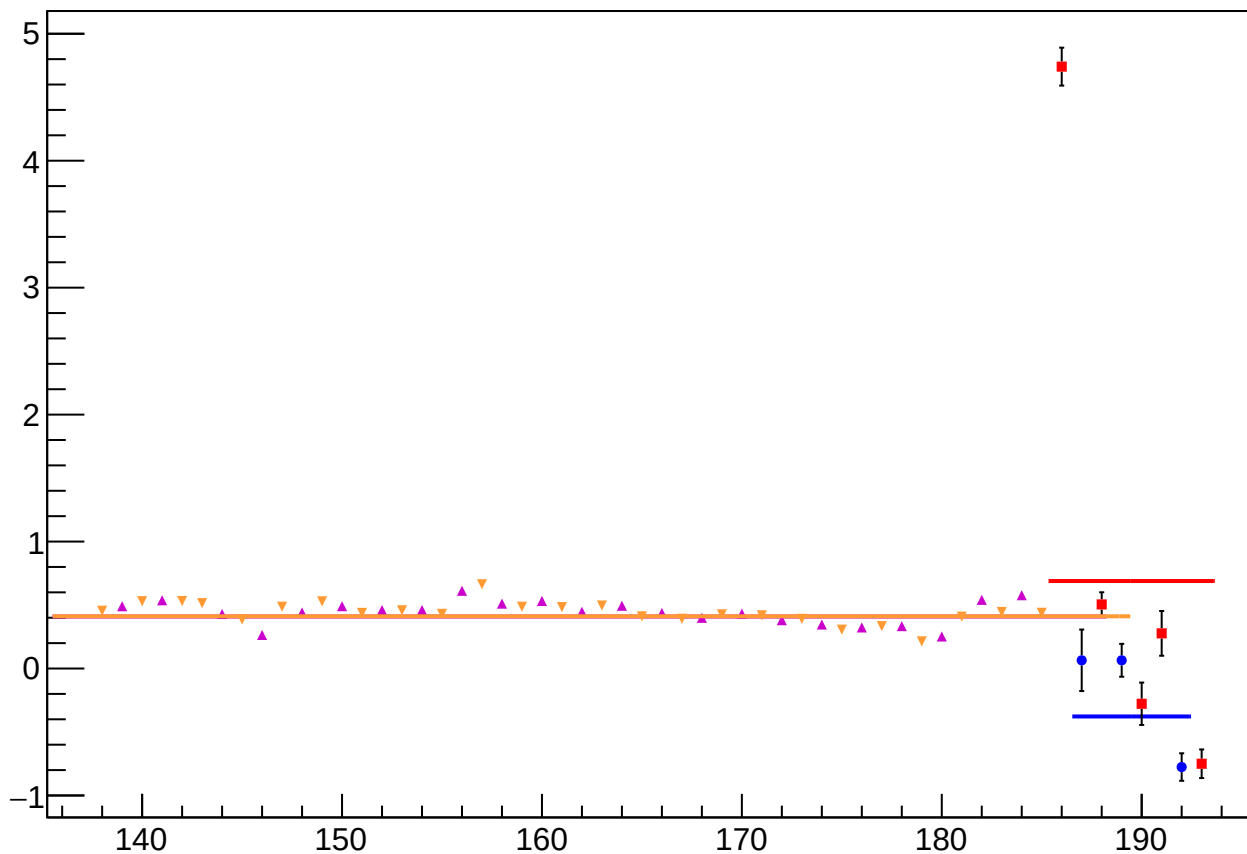
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.261 ± 0.086 $\chi^2/\text{NDF}: 2625.3/27$

All: -15.077 ± 0.061 $\chi^2/\text{NDF}: 4906.0/55$

- sign -14.890 ± 0.087 $\chi^2/\text{NDF}: 2271.4/27$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.378 ± 0.079 χ^2/NDF : 28.6/2

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.689 ± 0.058 χ^2/NDF : 941.8/4

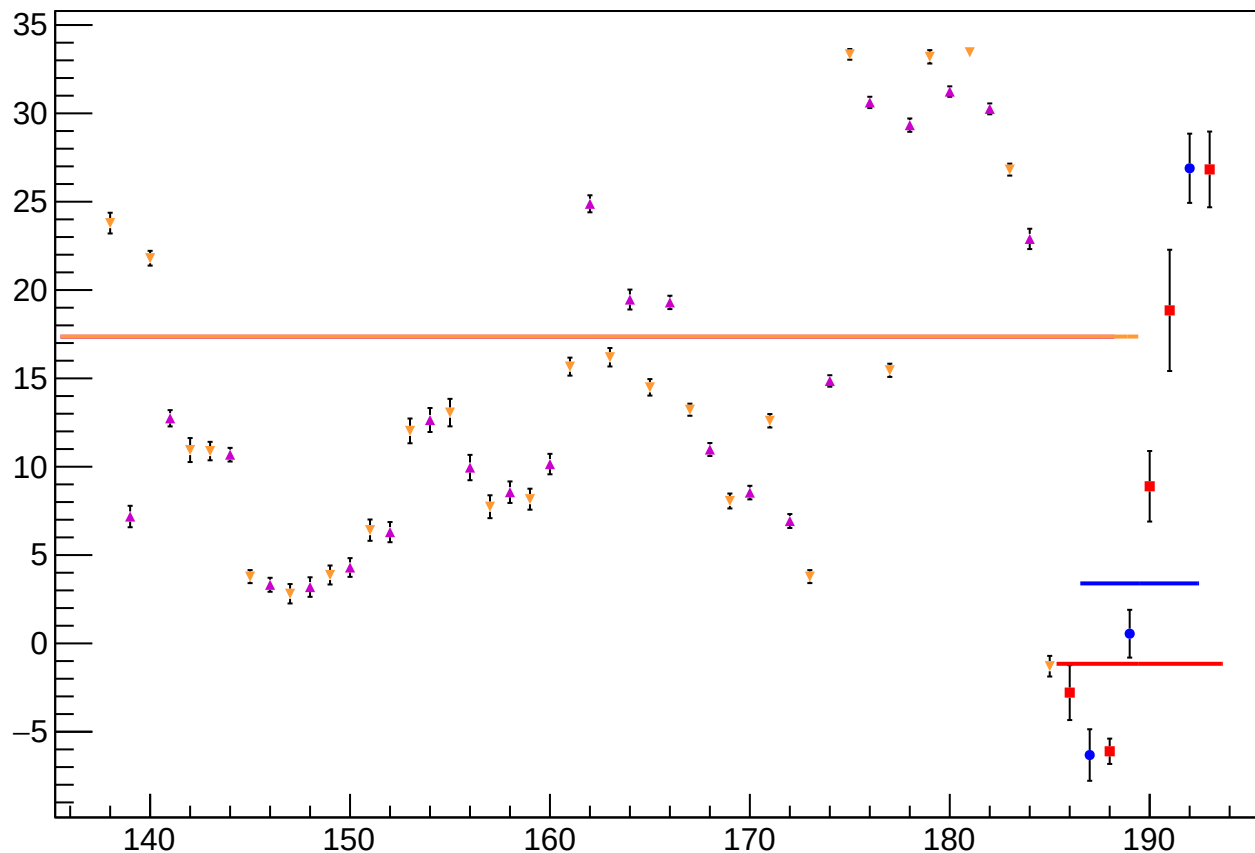
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.409 ± 0.004 χ^2/NDF : 557.8/27

All: 0.410 ± 0.003 χ^2/NDF : 2081.0/55

- sign 0.411 ± 0.004 χ^2/NDF : 1523.1/27

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.395 $\pm$ 0.885 χ^2 /NDF: 192.6/2

Left Out: 17.367 $\pm$ 0.087 χ^2 /NDF:16337.6/24

Right Out: -1.154 $\pm$ 0.586 χ^2 /NDF: 278.6/4

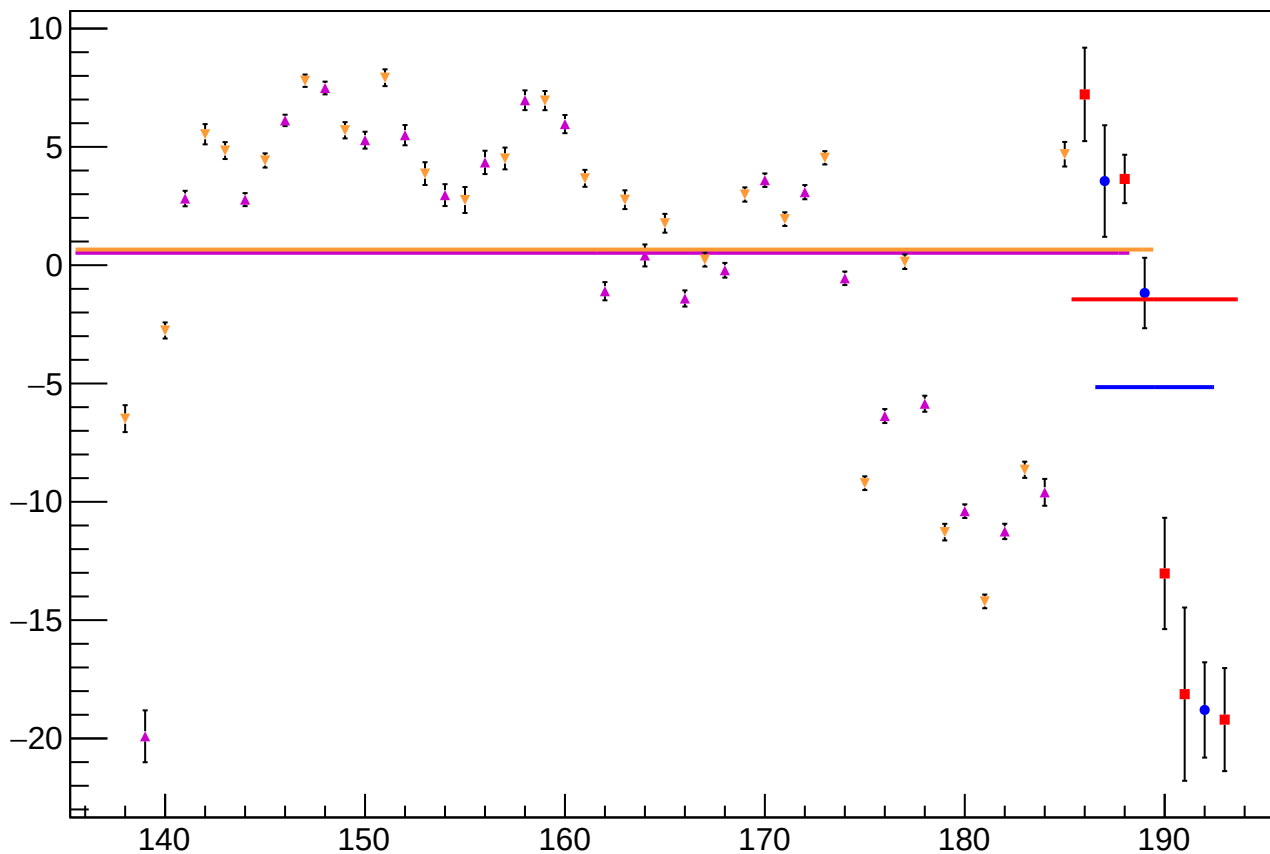
Left In: 17.355 $\pm$ 0.089 χ^2 /NDF:12745.1/22

+ sign 17.233 $\pm$ 0.087 χ^2 /NDF: 16777.3/27

All: 17.088 $\pm$ 0.062 χ^2 /NDF: 30782.7/55

- sign 16.938 $\pm$ 0.088 χ^2 /NDF: 13999.6/27

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -5.154 ± 1.067 $\chi^2/\text{NDF}: 66.7/2$

Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$

Right Out: -1.444 ± 0.772 $\chi^2/\text{NDF}: 155.5/4$

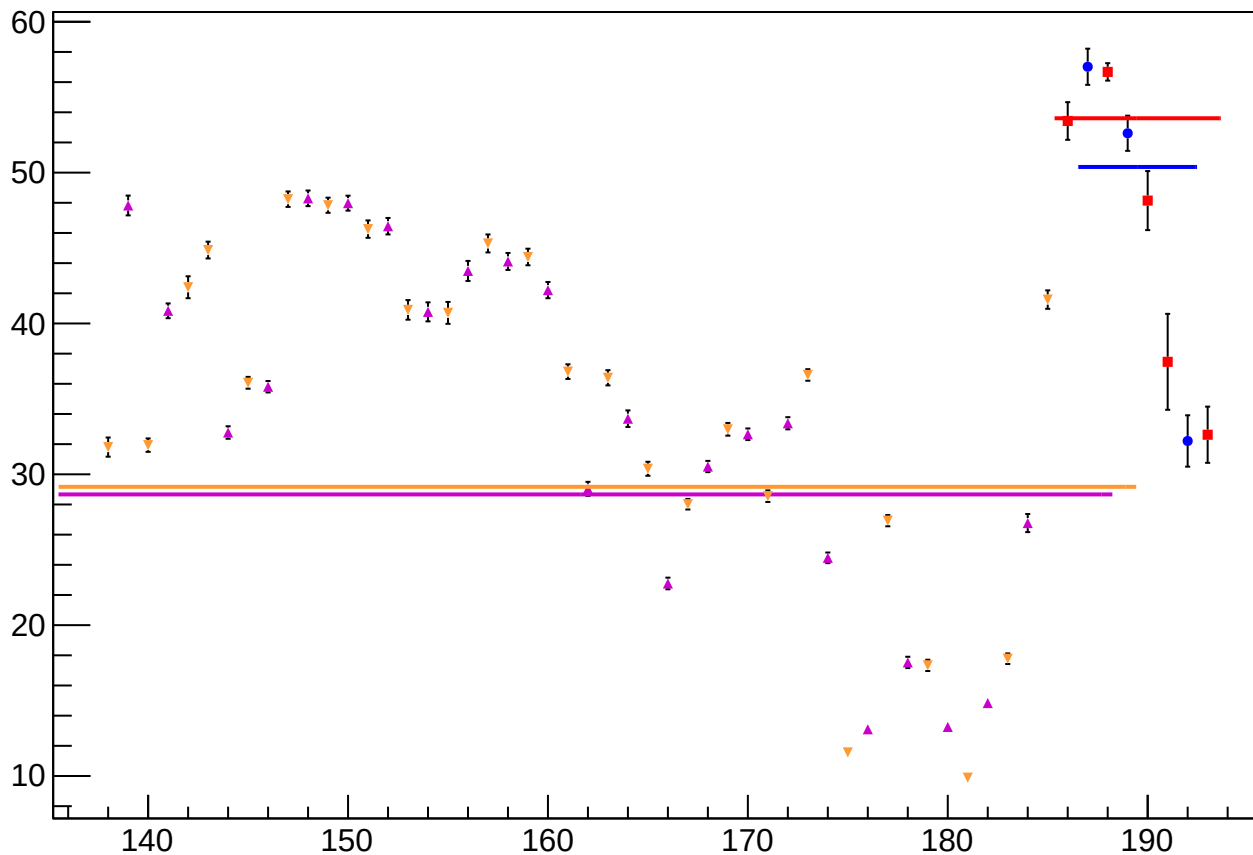
Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

+ sign 0.636 ± 0.069 $\chi^2/\text{NDF}: 8650.1/27$

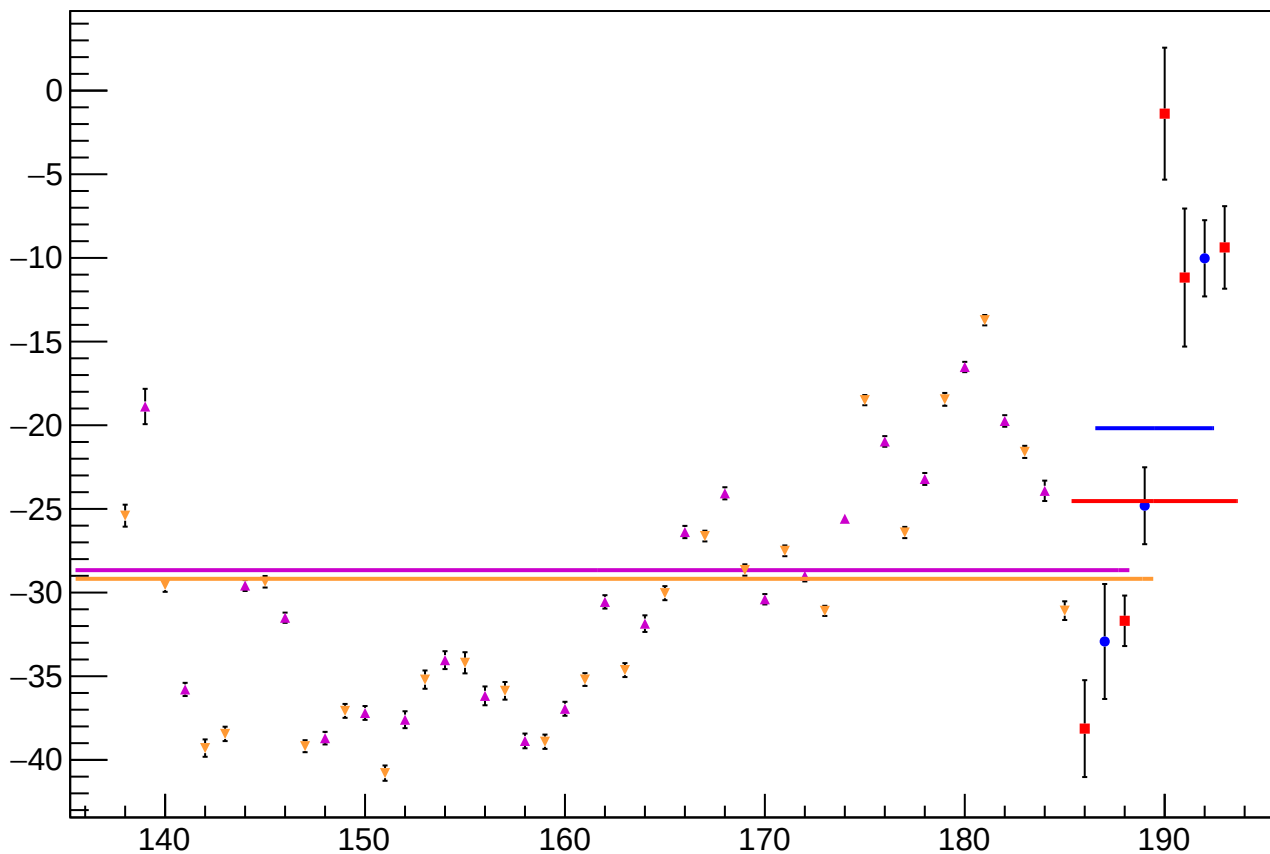
All: 0.573 ± 0.049 $\chi^2/\text{NDF}: 15543.5/55$

- sign 0.507 ± 0.071 $\chi^2/\text{NDF}: 6891.6/27$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -20.177 ± 1.464 χ^2/NDF : 37.7/2

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -24.532 ± 1.087 χ^2/NDF : 127.3/4

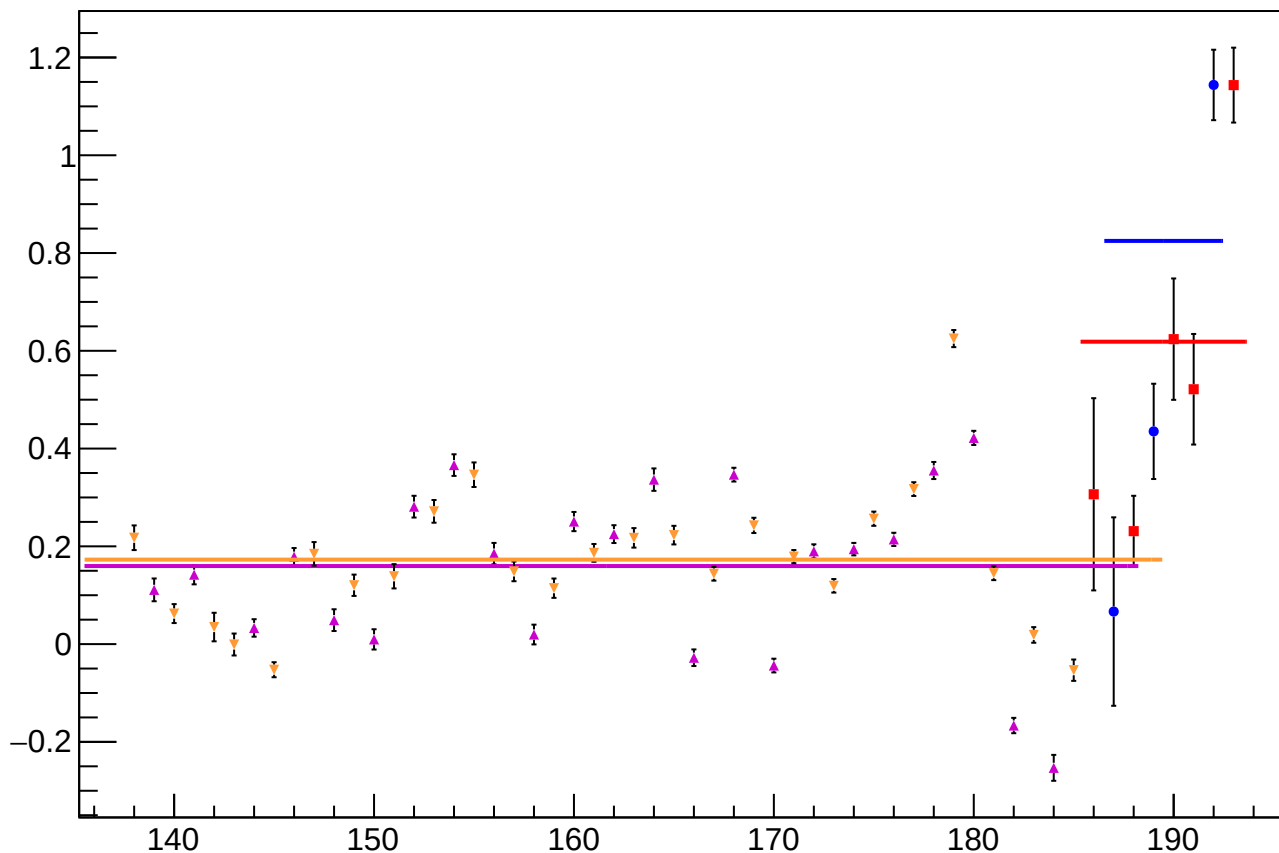
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -29.152 ± 0.078 χ^2/NDF : 9156.8/27

All: -28.900 ± 0.056 χ^2/NDF : 15989.8/55

- sign -28.638 ± 0.080 χ^2/NDF : 6811.7/27

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.825 ± 0.055 χ^2/NDF : 51.1/2

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.619 ± 0.043 χ^2/NDF : 78.9/4

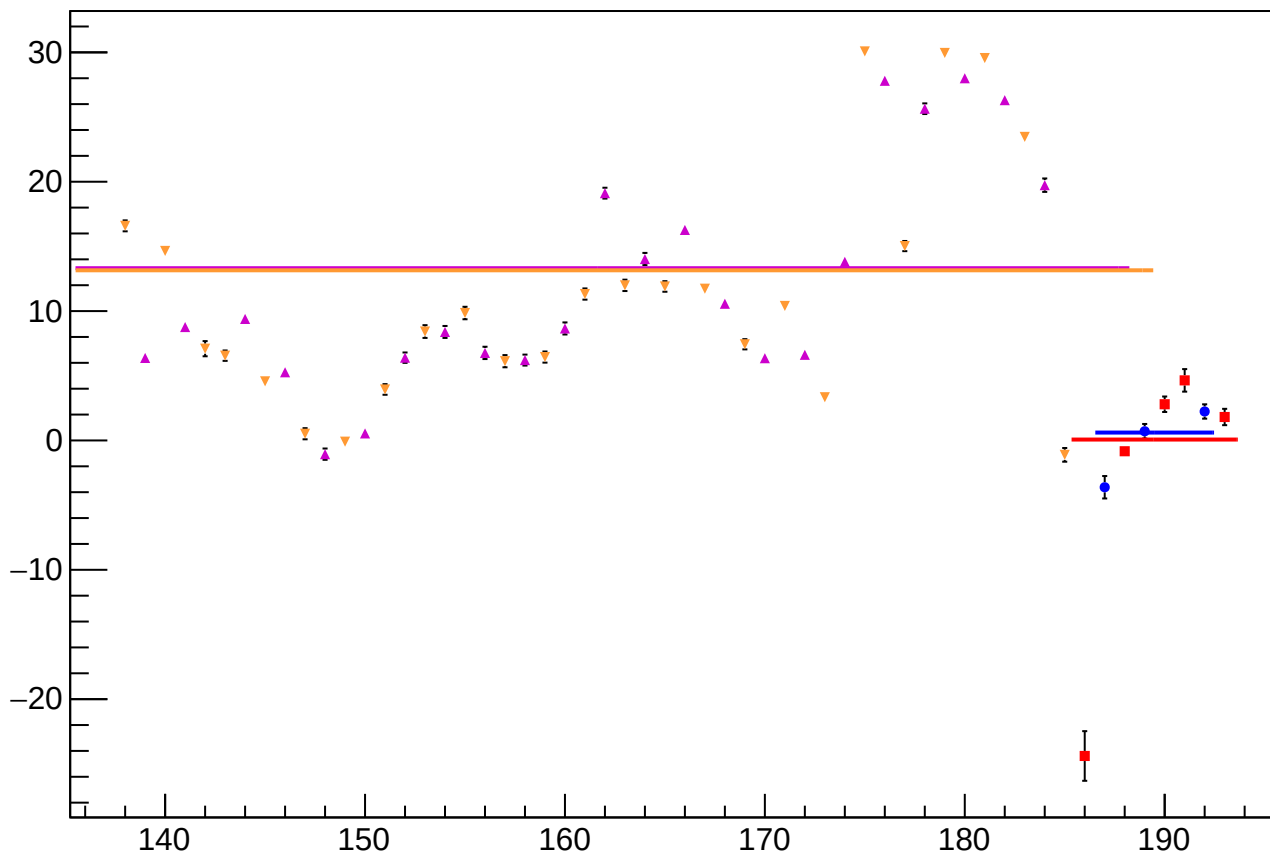
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.176 ± 0.004 χ^2/NDF : 1667.0/27

All: 0.169 ± 0.003 χ^2/NDF : 3920.8/55

- sign 0.163 ± 0.004 χ^2/NDF : 2247.7/27

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.610 ± 0.360 χ^2/NDF : 32.4/2

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: 0.069 ± 0.227 χ^2/NDF : 228.7/4

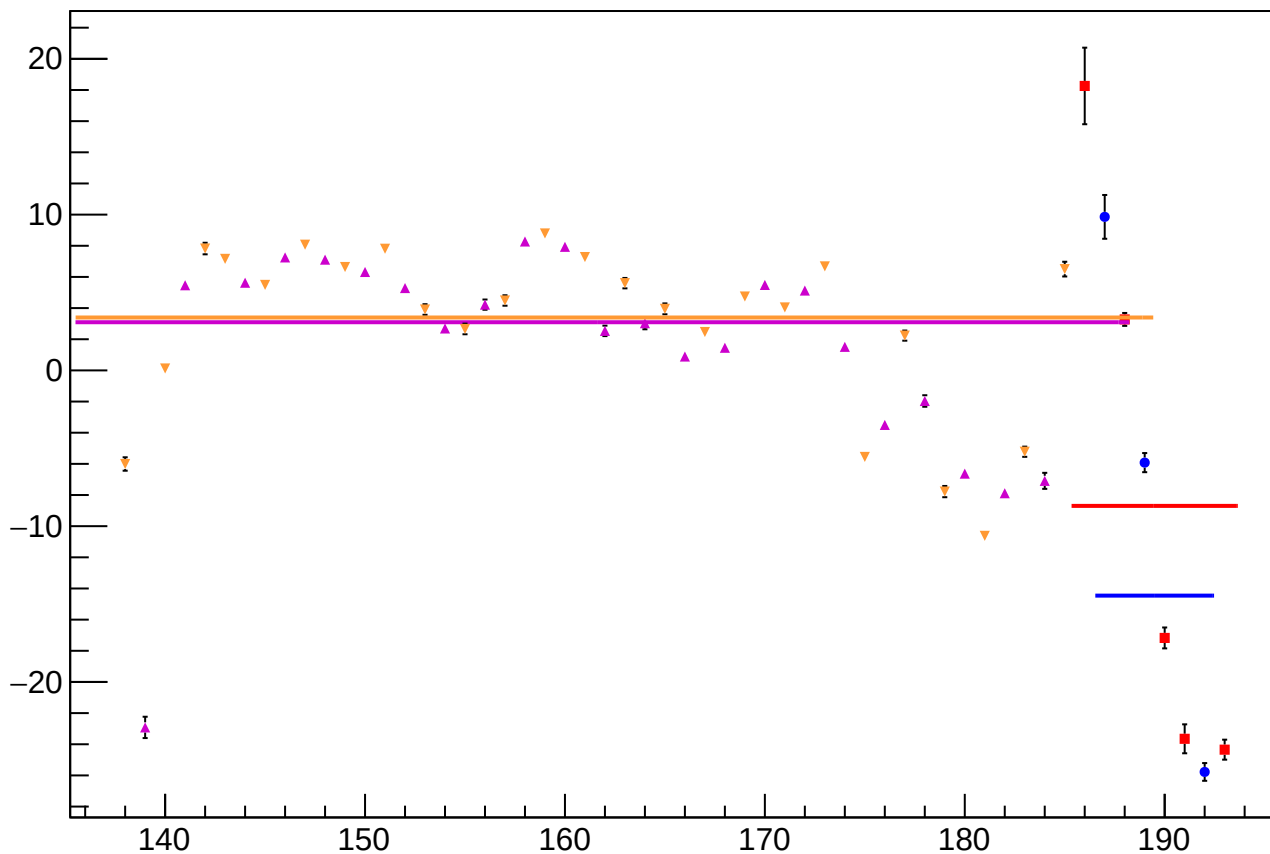
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 12.627 ± 0.074 χ^2/NDF : 18277.9/27

All: 12.281 ± 0.052 χ^2/NDF : 35589.9/55

- sign 11.941 ± 0.073 χ^2/NDF : 17268.1/27

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -14.458 ± 0.400 $\chi^2/\text{NDF}: 888.3/2$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -8.698 ± 0.291 $\chi^2/\text{NDF}: 1968.2/4$

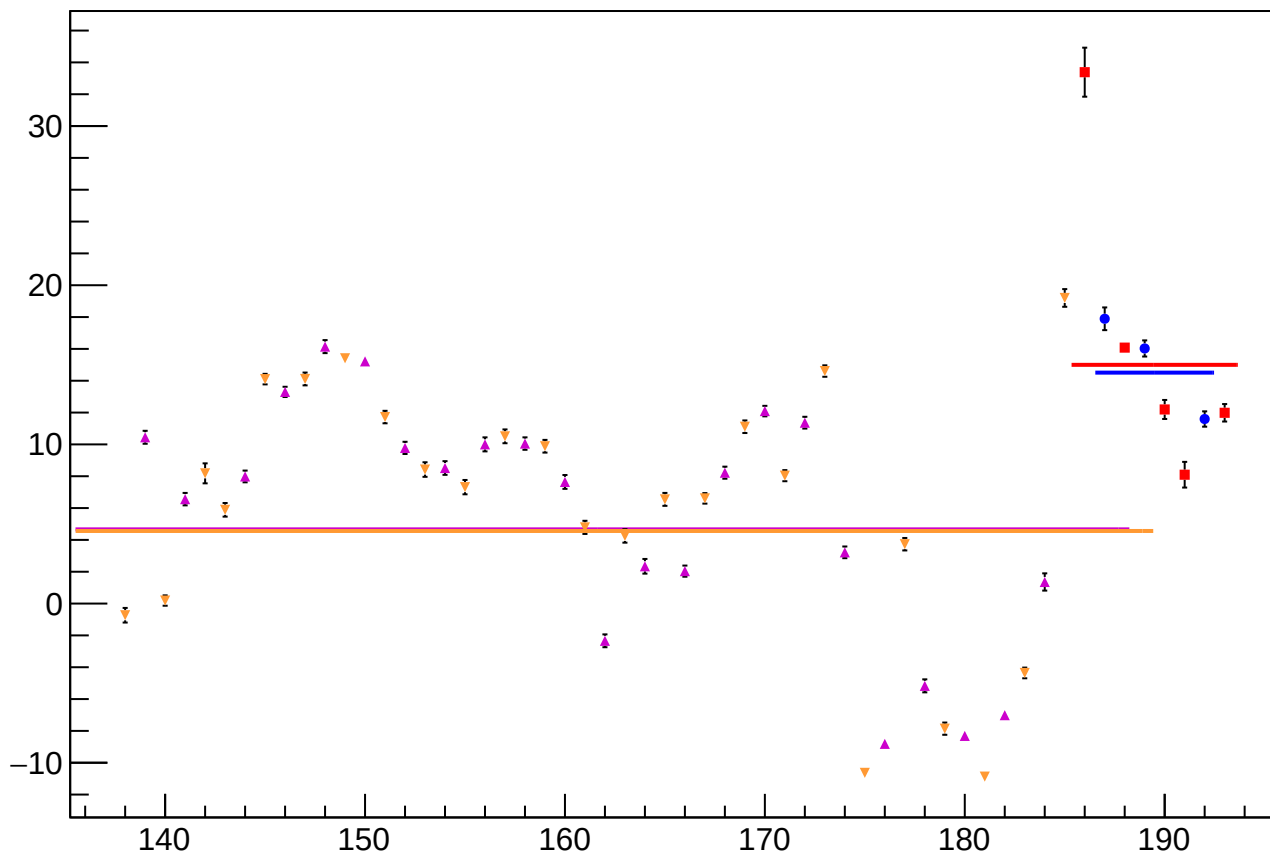
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 3.024 ± 0.058 $\chi^2/\text{NDF}: 10939.7/27$

All: 2.819 ± 0.041 $\chi^2/\text{NDF}: 21609.9/55$

- sign 2.603 ± 0.059 $\chi^2/\text{NDF}: 10644.4/27$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 14.509+/-0.314 χ^2 /NDF: 68.0/2

Left Out: 4.561+/-0.075 χ^2 /NDF: 13592.1/24

Right Out: 14.998+/-0.192 χ^2 /NDF: 290.1/4

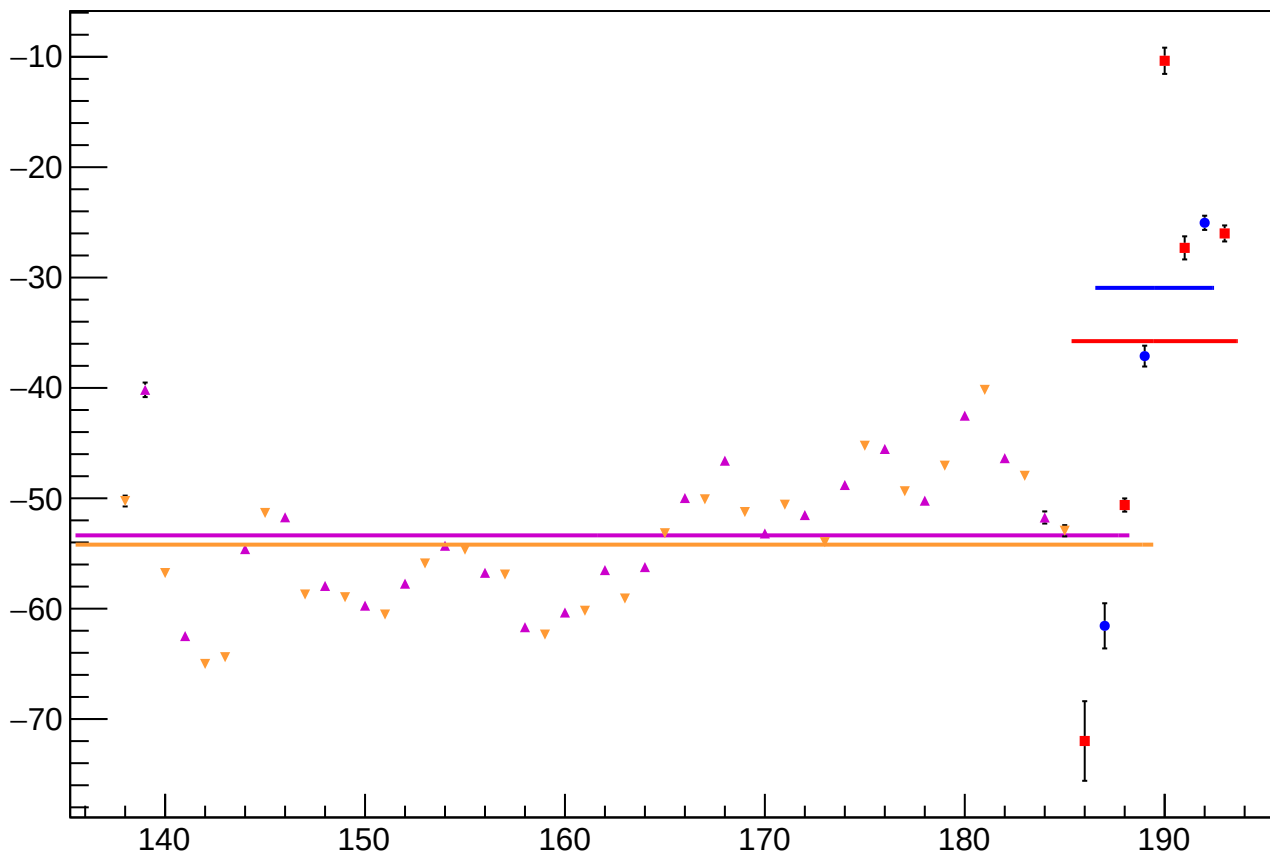
Left In: 4.662+/-0.077 χ^2 /NDF: 11281.5/22

+ sign 5.103+/-0.073 χ^2 /NDF: 14610.3/27

All: 5.611+/-0.051 χ^2 /NDF: 28779.2/55

- sign 6.091+/-0.071 χ^2 /NDF: 14075.6/27

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -30.934 ± 0.515 $\chi^2/\text{NDF}: 350.6/2$

Left Out: -54.199 ± 0.066 $\chi^2/\text{NDF}: 8454.7/24$

Right Out: -35.761 ± 0.396 $\chi^2/\text{NDF}: 1417.9/4$

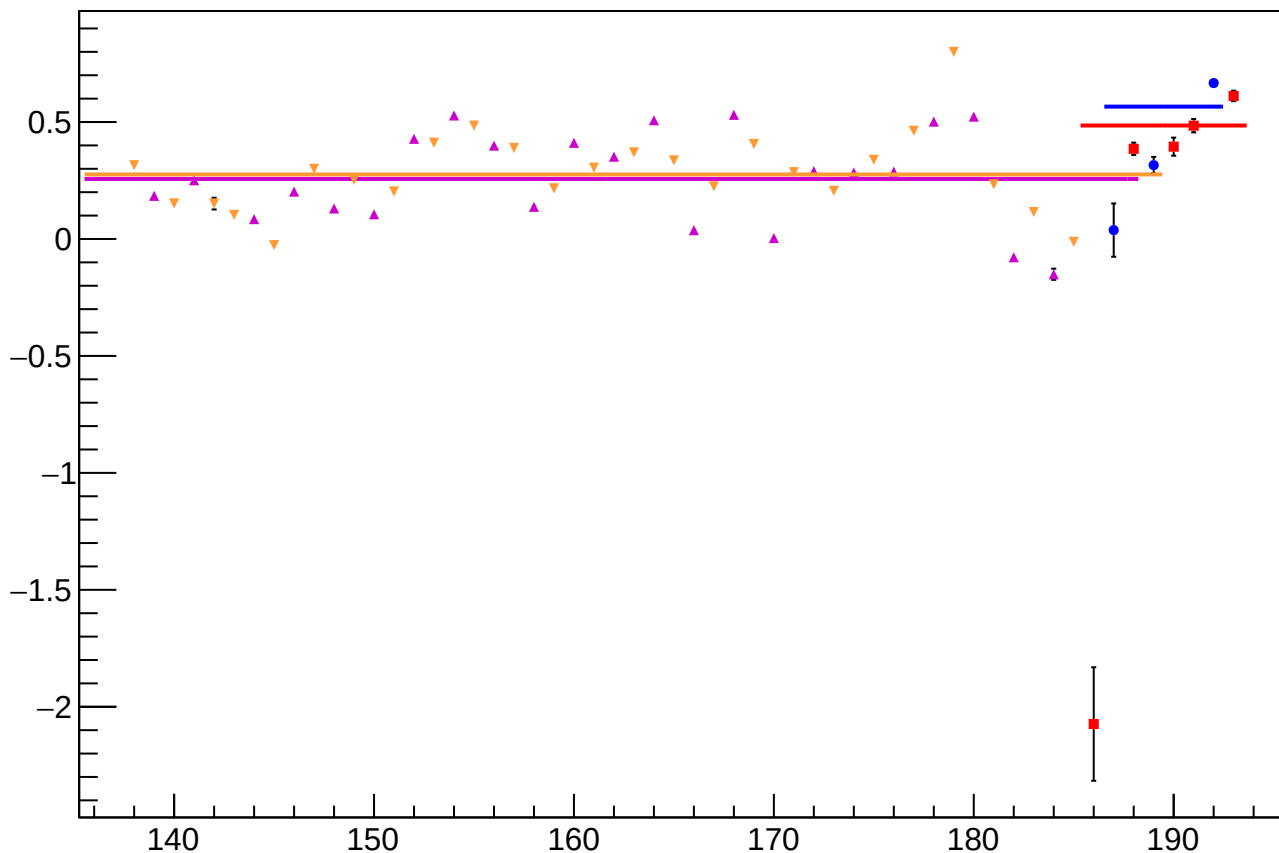
Left In: -53.359 ± 0.068 $\chi^2/\text{NDF}: 6882.0/22$

+ sign -53.818 ± 0.066 $\chi^2/\text{NDF}: 10814.3/27$

All: -53.345 ± 0.047 $\chi^2/\text{NDF}: 21138.2/55$

- sign -52.848 ± 0.067 $\chi^2/\text{NDF}: 10217.9/27$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.566 ± 0.017 $\chi^2/\text{NDF}: 96.7/2$

Left Out: 0.276 ± 0.003 $\chi^2/\text{NDF}: 2623.6/24$

Right Out: 0.485 ± 0.014 $\chi^2/\text{NDF}: 162.3/4$

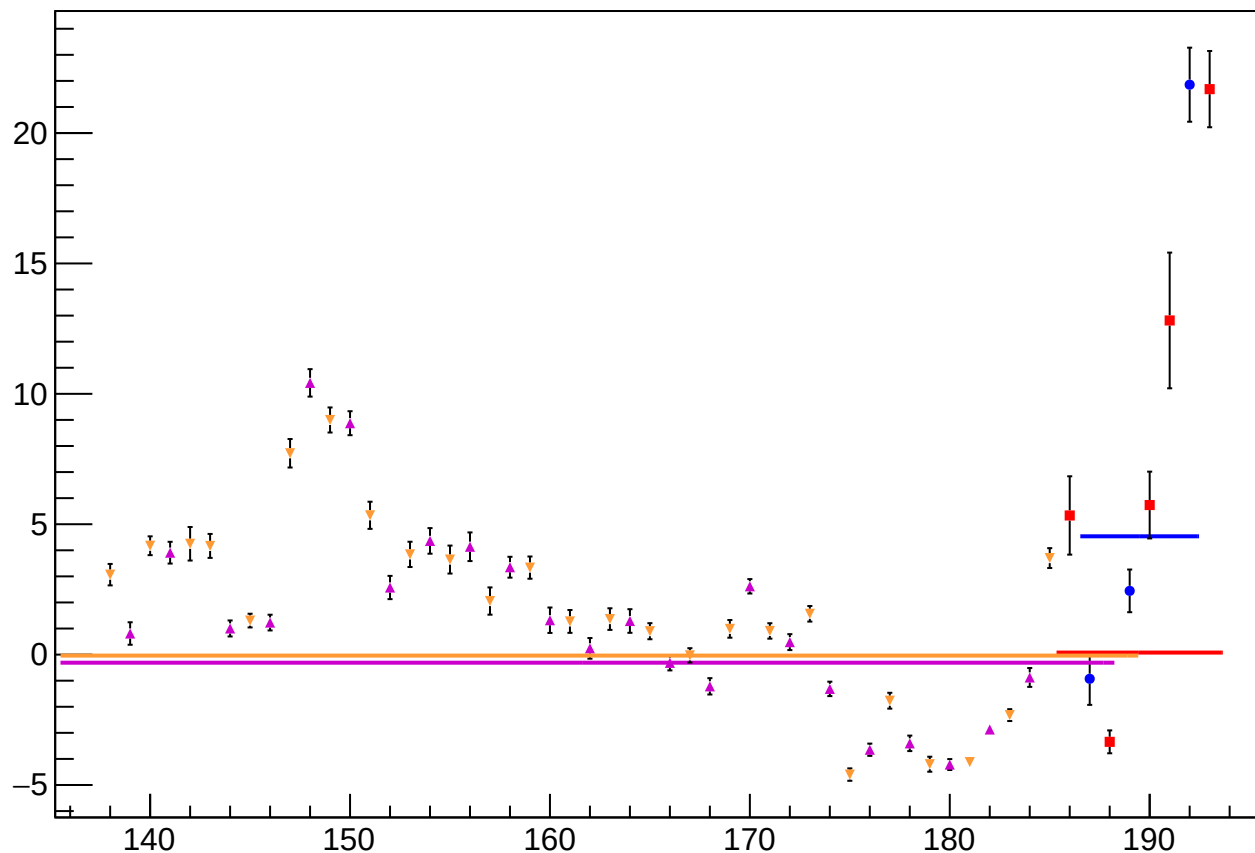
Left In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 3623.9/22$

+ sign 0.285 ± 0.003 $\chi^2/\text{NDF}: 2989.8/27$

All: 0.276 ± 0.002 $\chi^2/\text{NDF}: 7055.0/55$

- sign 0.268 ± 0.003 $\chi^2/\text{NDF}: 4049.8/27$

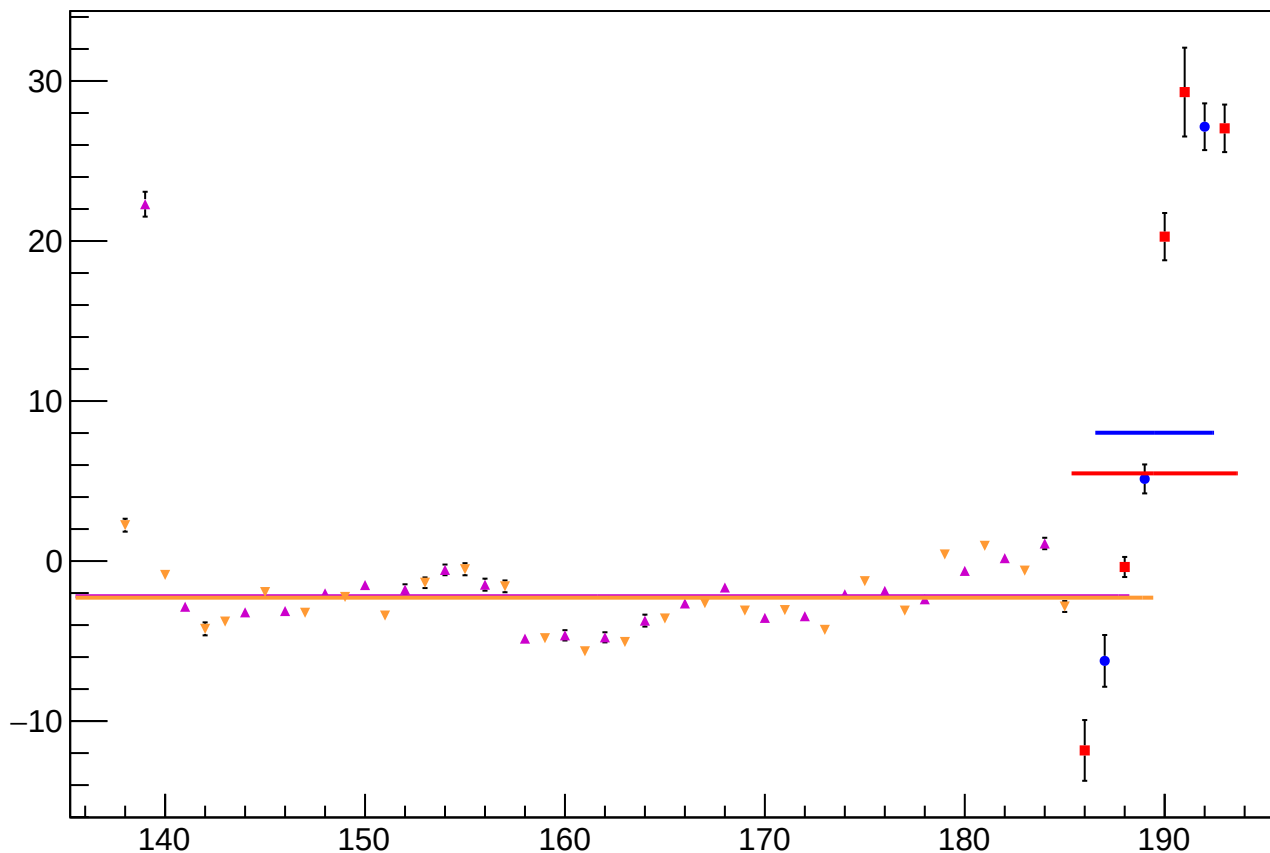
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 4.537 ± 0.578 $\chi^2/\text{NDF}: 185.1/2$
 Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$
 Right Out: 0.078 ± 0.382 $\chi^2/\text{NDF}: 335.0/4$
 Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.022 ± 0.066 $\chi^2/\text{NDF}: 2884.5/27$
 All: -0.137 ± 0.047 $\chi^2/\text{NDF}: 5482.7/55$
 - sign -0.298 ± 0.066 $\chi^2/\text{NDF}: 2586.5/27$

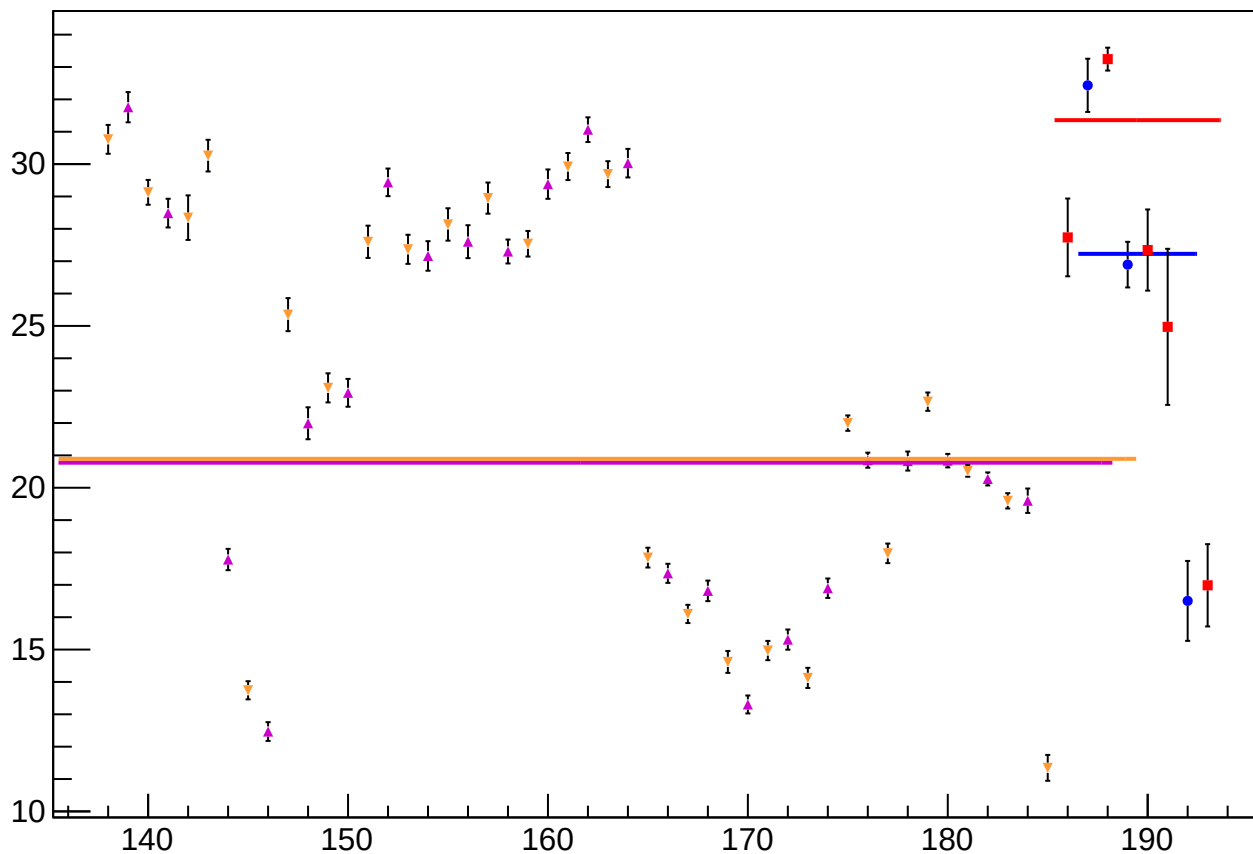
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 8.019 ± 0.695 $\chi^2/\text{NDF}: 259.3/2$
 Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$
 Right Out: 5.479 ± 0.509 $\chi^2/\text{NDF}: 554.7/4$
 Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -2.226 ± 0.054 $\chi^2/\text{NDF}: 1615.8/27$
 All: -2.168 ± 0.038 $\chi^2/\text{NDF}: 4071.3/55$
 - sign -2.109 ± 0.055 $\chi^2/\text{NDF}: 2453.2/27$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 27.227 $\pm$ 0.491 χ^2 /NDF: 115.8/2

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF:6655.4/24

Right Out: 31.357 $\pm$ 0.315 χ^2 /NDF: 182.6/4

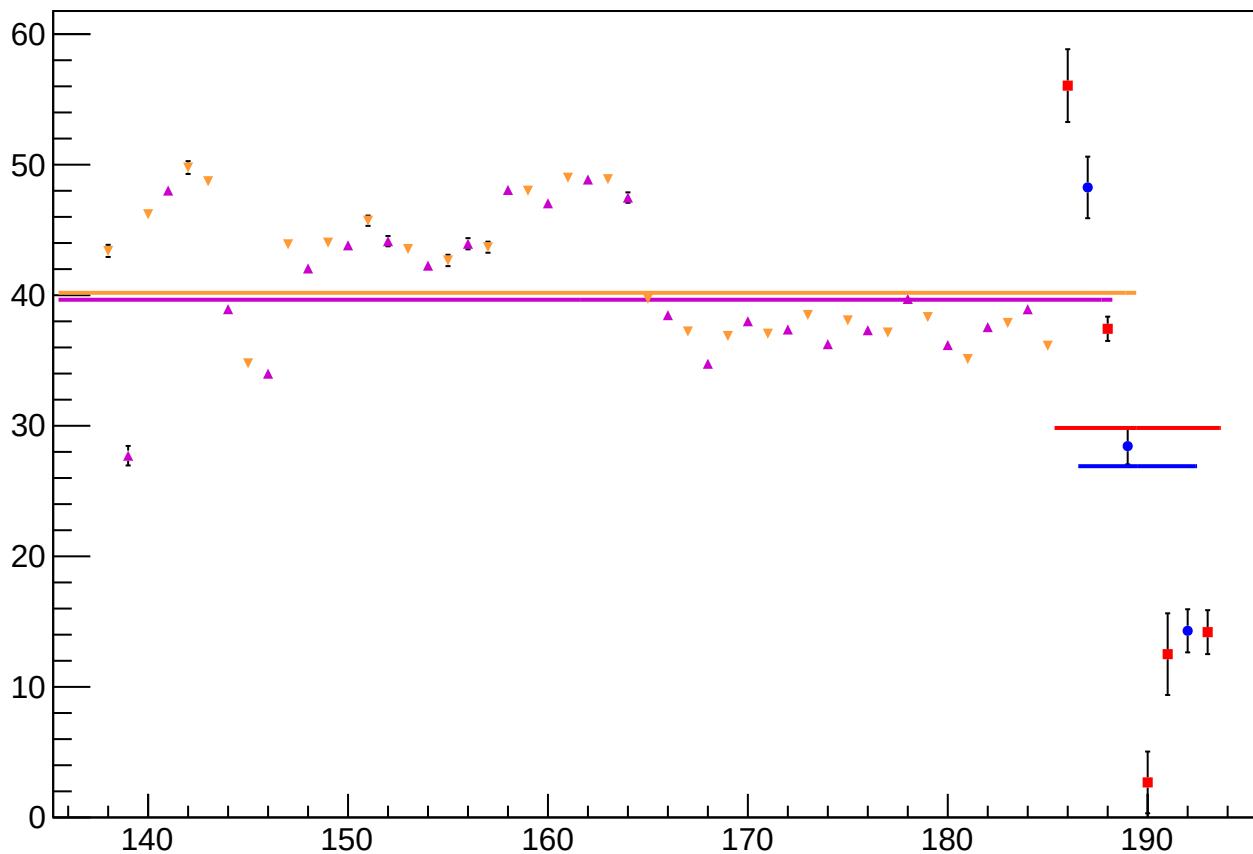
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

+ sign 21.009 $\pm$ 0.066 χ^2 /NDF: 6934.5/27

All: 21.125 $\pm$ 0.047 χ^2 /NDF: 14132.6/55

- sign 21.240 $\pm$ 0.066 χ^2 /NDF: 7192.0/27

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 26.905 $\pm$ 0.974 χ^2 /NDF: 141.5/2

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 29.834 $\pm$ 0.722 χ^2 /NDF: 404.0/4

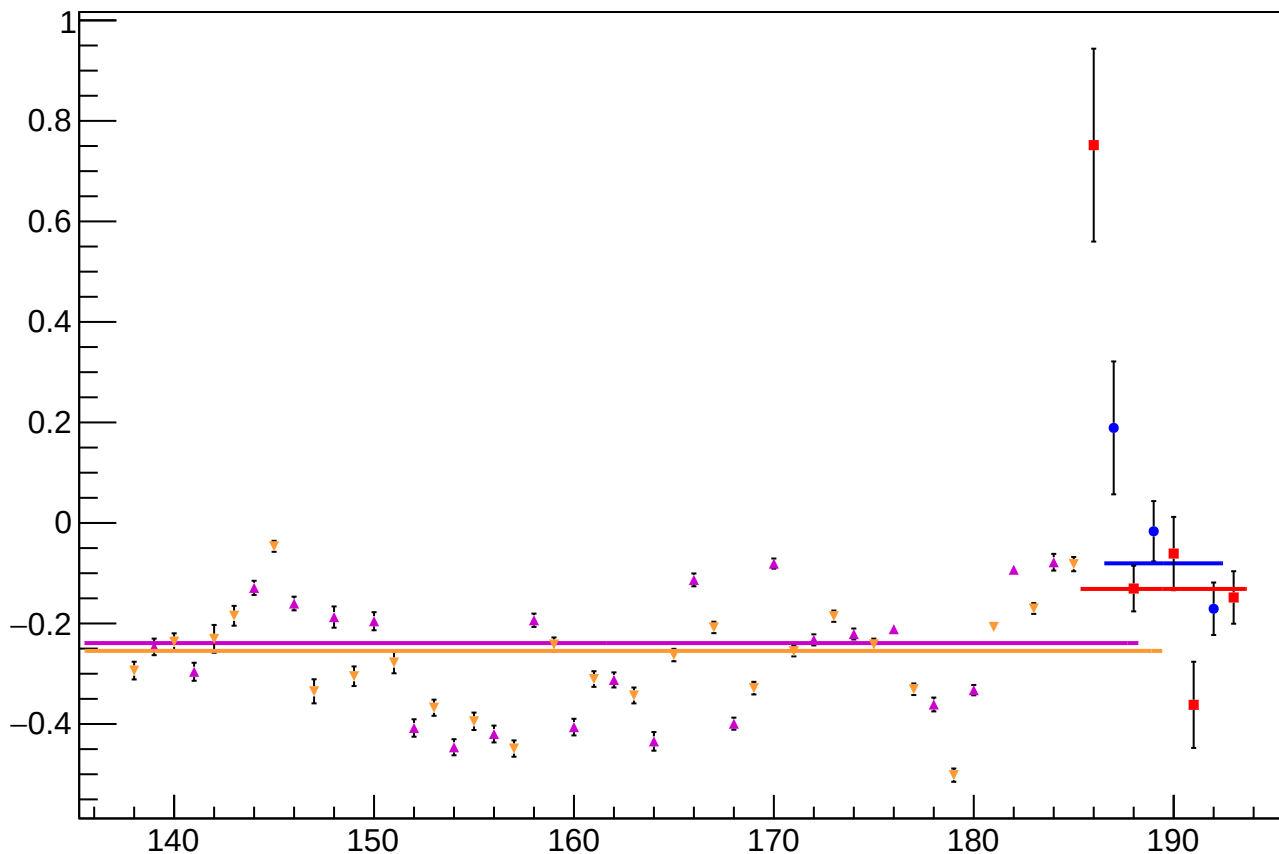
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.135 $\pm$ 0.060 χ^2 /NDF: 6259.5/27

All: 39.864 $\pm$ 0.043 χ^2 /NDF: 12187.0/55

- sign 39.584 $\pm$ 0.061 χ^2 /NDF: 5886.3/27

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.080 ± 0.038 χ^2/NDF : 8.3/2

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.131 ± 0.029 χ^2/NDF : 29.4/4

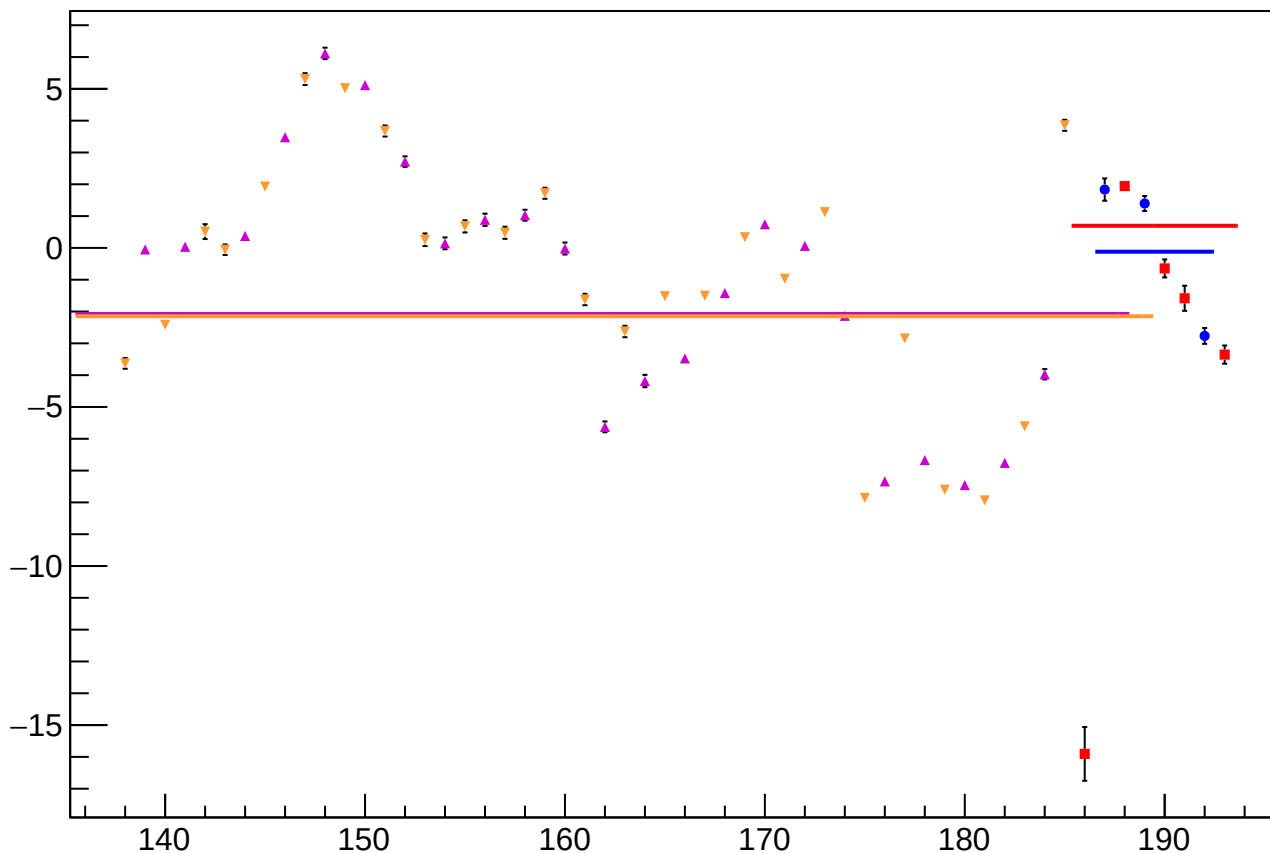
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.254 ± 0.003 χ^2/NDF : 1449.9/27

All: -0.246 ± 0.002 χ^2/NDF : 3259.7/55

- sign -0.238 ± 0.003 χ^2/NDF : 1793.7/27

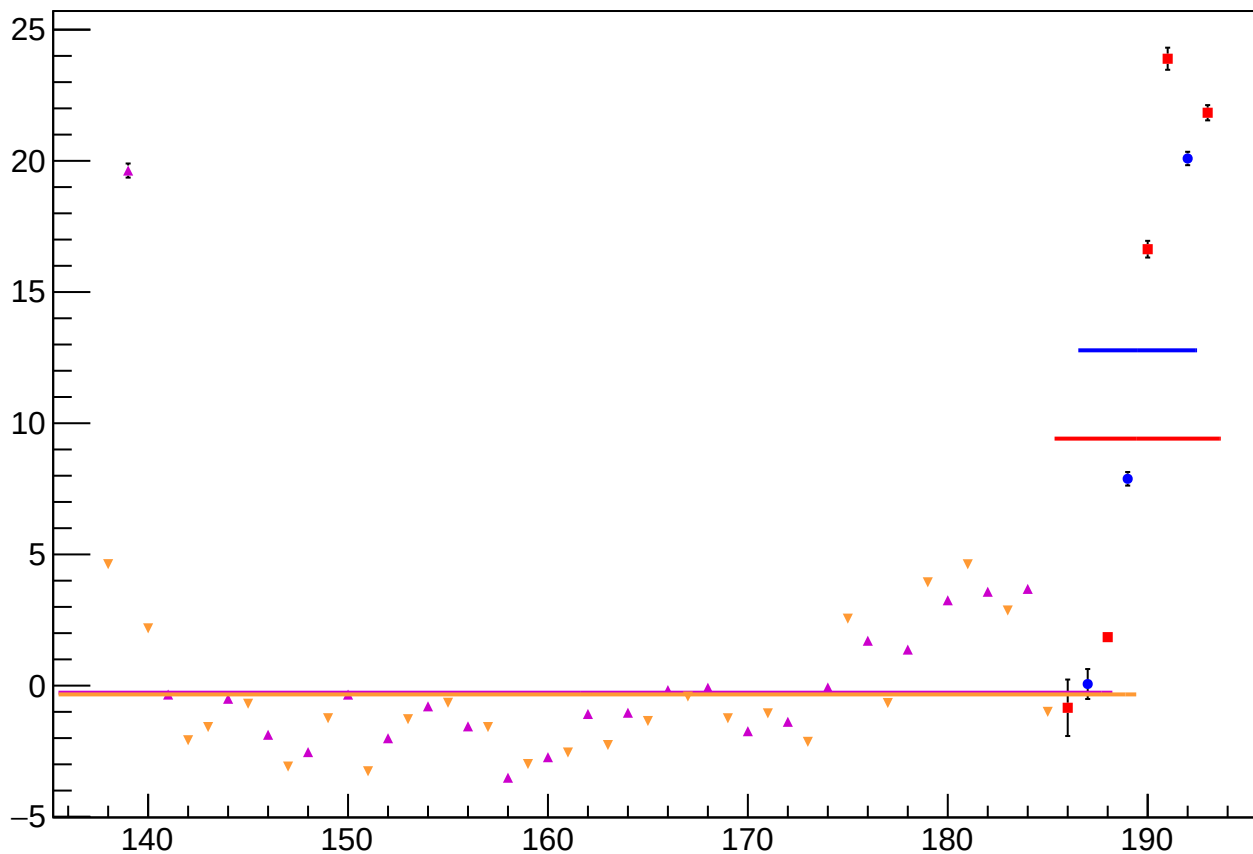
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.119 ± 0.154 χ^2/NDF : 184.9/2
 Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24
 Right Out: 0.695 ± 0.093 χ^2/NDF : 770.6/4
 Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.094 ± 0.025 χ^2/NDF : 24889.6/27
 All: -1.984 ± 0.018 χ^2/NDF : 49767.0/55
 - sign -1.876 ± 0.025 χ^2/NDF : 24840.0/27

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 12.779 ± 0.173 $\chi^2/\text{NDF}: 1672.2/2$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 9.414 ± 0.123 $\chi^2/\text{NDF}: 5803.4/4$

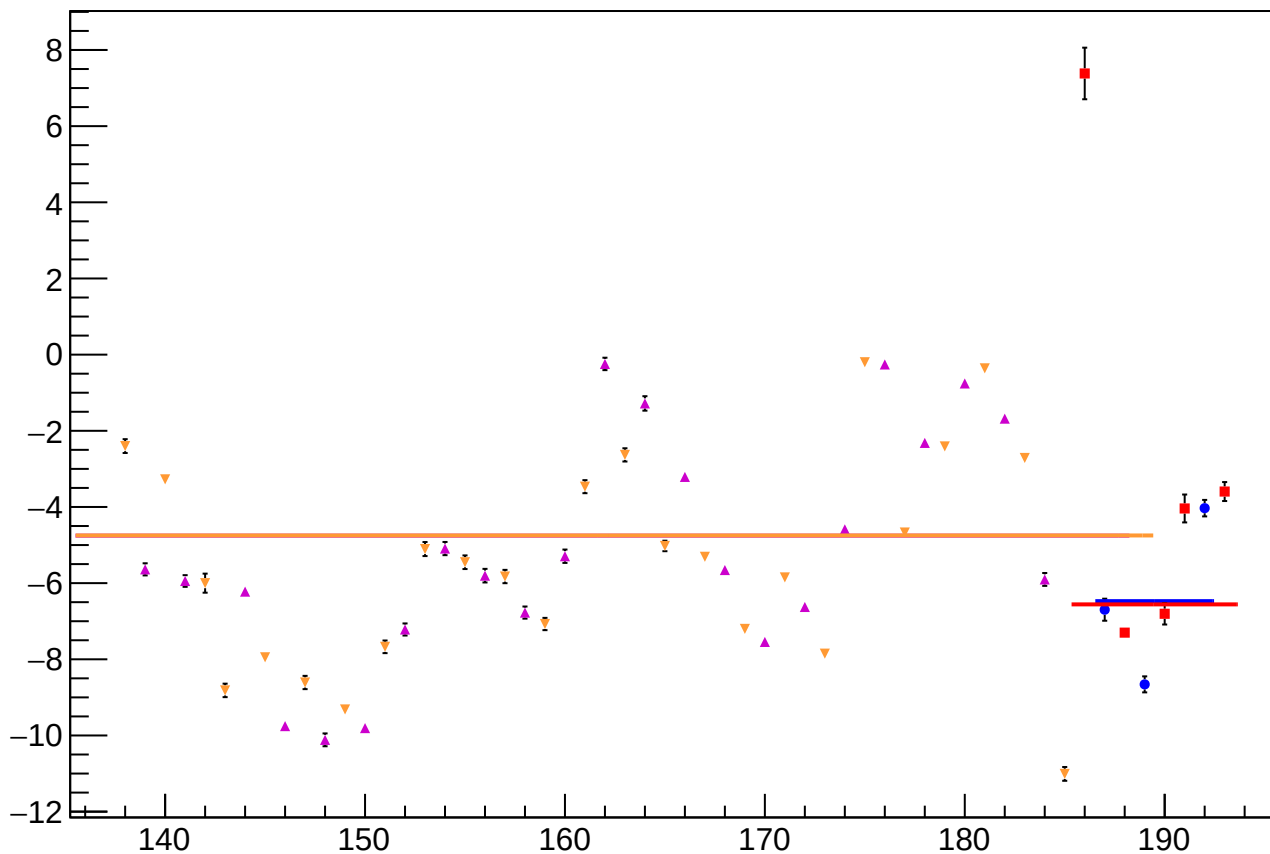
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign -0.153 ± 0.020 $\chi^2/\text{NDF}: 19912.0/27$

All: -0.075 ± 0.015 $\chi^2/\text{NDF}: 45131.0/55$

- sign 0.005 ± 0.021 $\chi^2/\text{NDF}: 25189.4/27$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -6.473 ± 0.134 χ^2/NDF : 235.9/2

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -6.558 ± 0.078 χ^2/NDF : 683.0/4

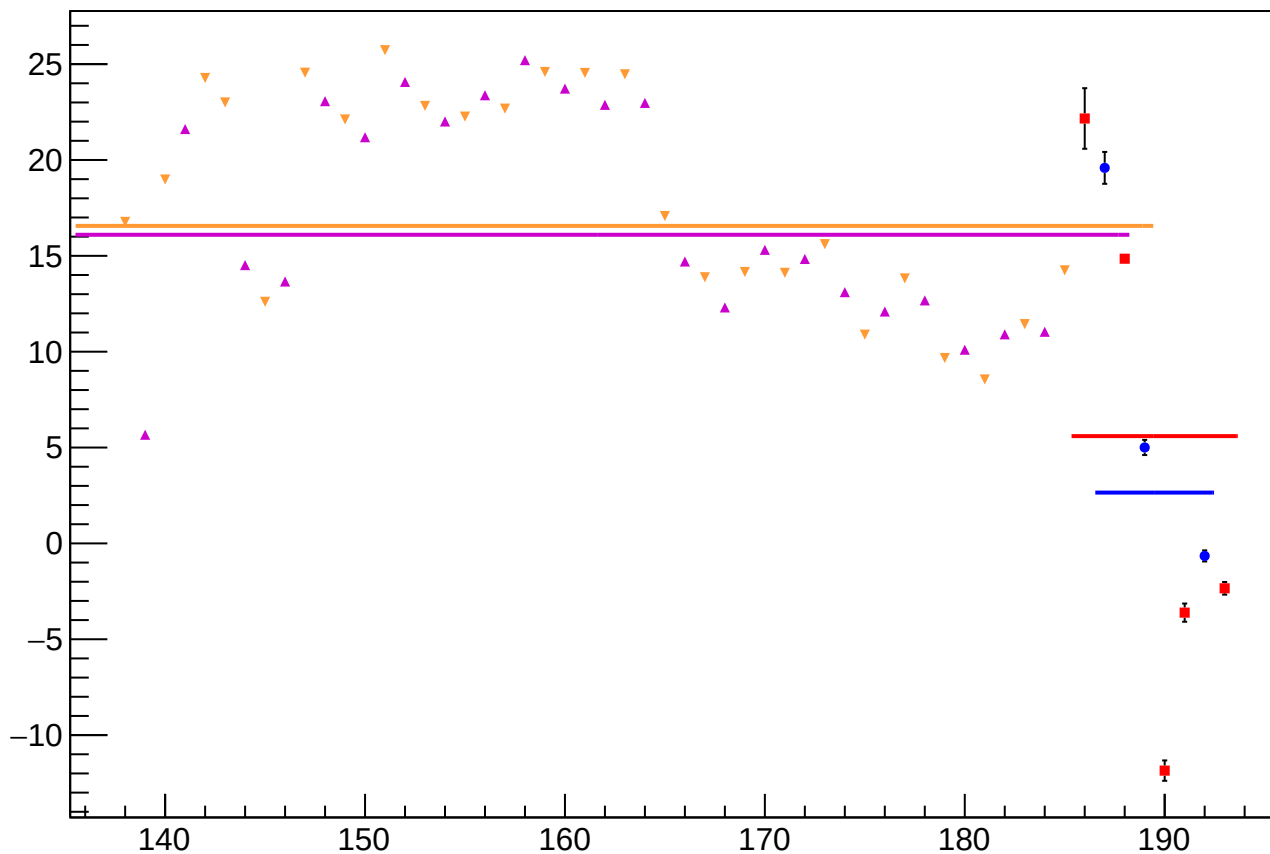
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.810 ± 0.025 χ^2/NDF : 13686.0/27

All: -4.874 ± 0.018 χ^2/NDF : 28983.4/55

- sign -4.936 ± 0.025 χ^2/NDF : 15284.8/27

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 2.650 ± 0.225 $\chi^2/\text{NDF}: 581.3/2$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 5.596 ± 0.167 $\chi^2/\text{NDF}: 3709.6/4$

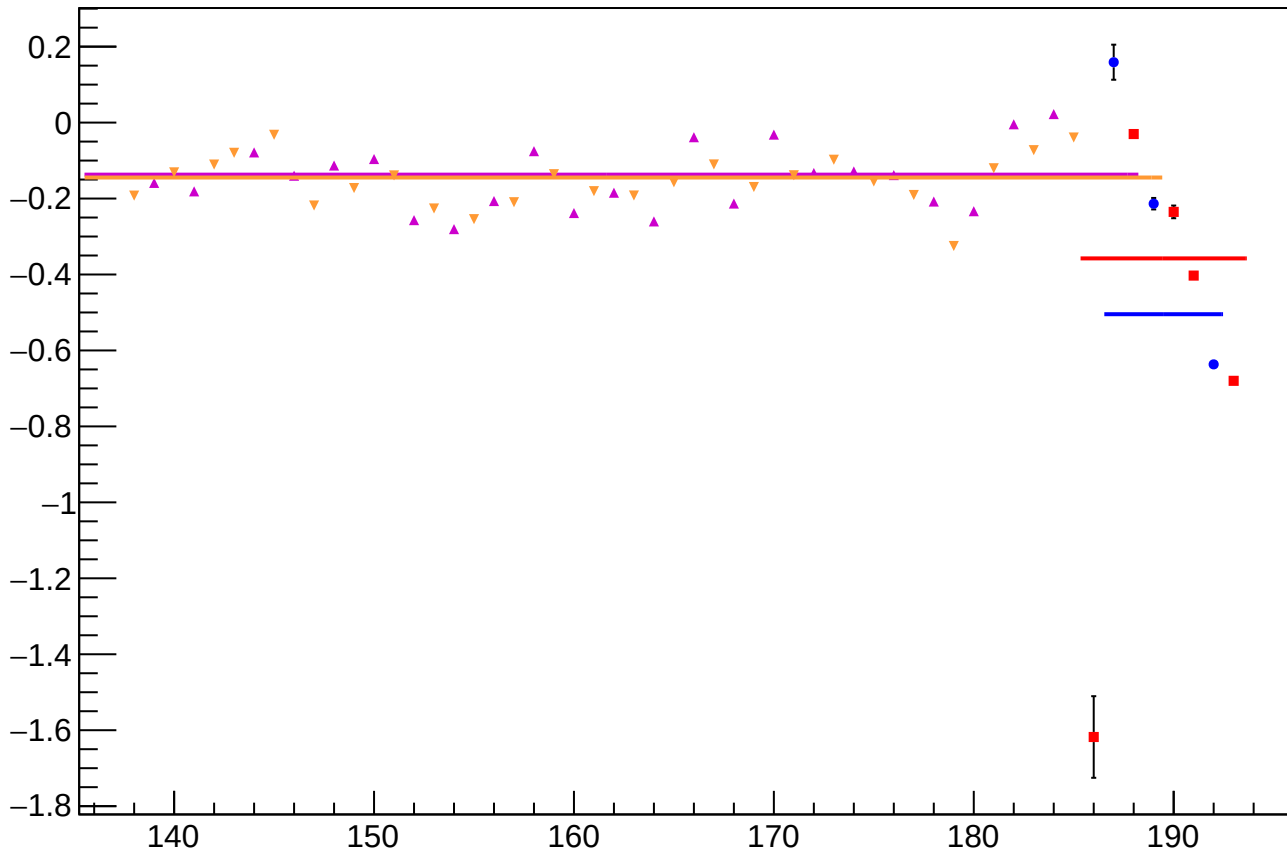
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 16.417 ± 0.023 $\chi^2/\text{NDF}: 58234.3/27$

All: 16.158 ± 0.016 $\chi^2/\text{NDF}: 108421.8/55$

- sign 15.893 ± 0.023 $\chi^2/\text{NDF}: 49932.7/27$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.505 ± 0.008 χ^2/NDF : 785.7/2

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.358 ± 0.006 χ^2/NDF : 2184.6/4

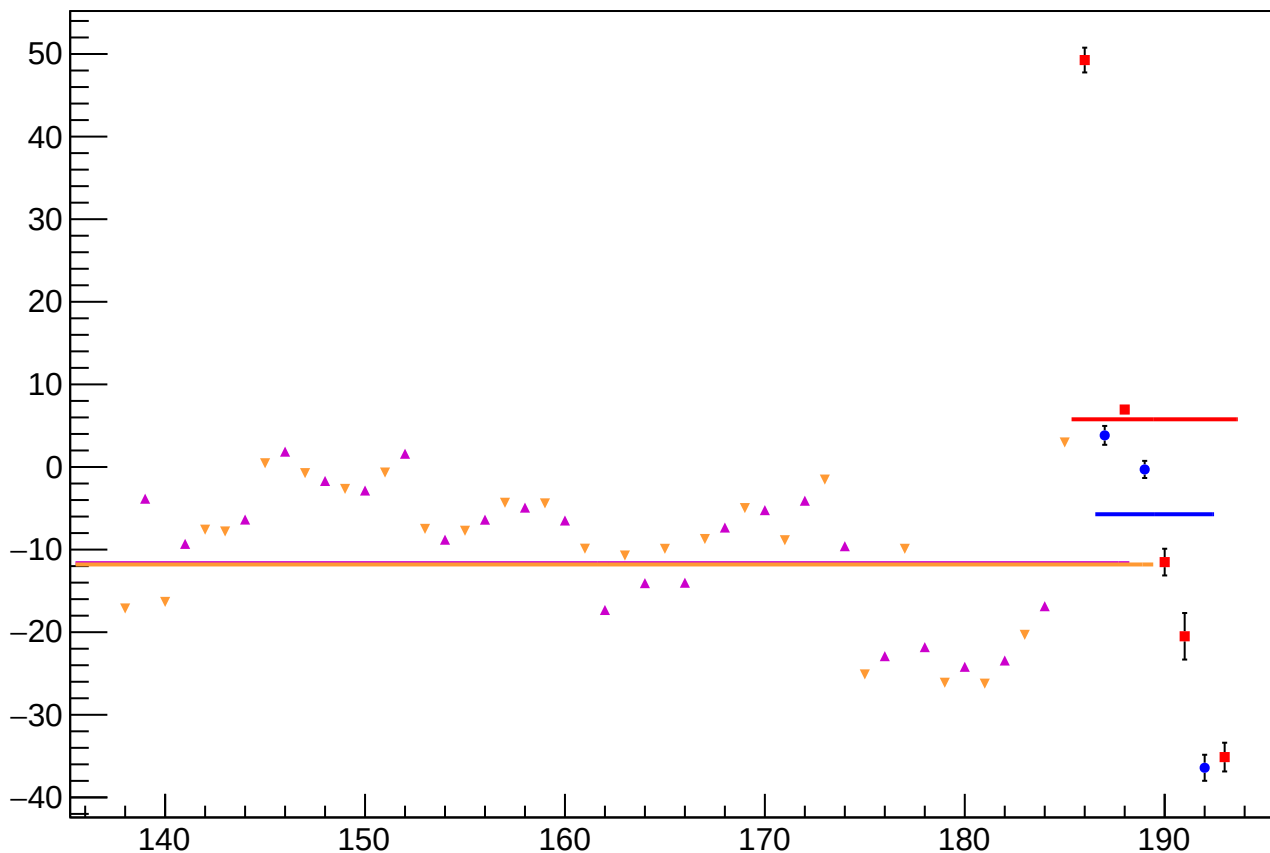
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.151 ± 0.001 χ^2/NDF : 6694.7/27

All: -0.148 ± 0.001 χ^2/NDF : 15630.2/55

- sign -0.144 ± 0.001 χ^2/NDF : 8911.8/27

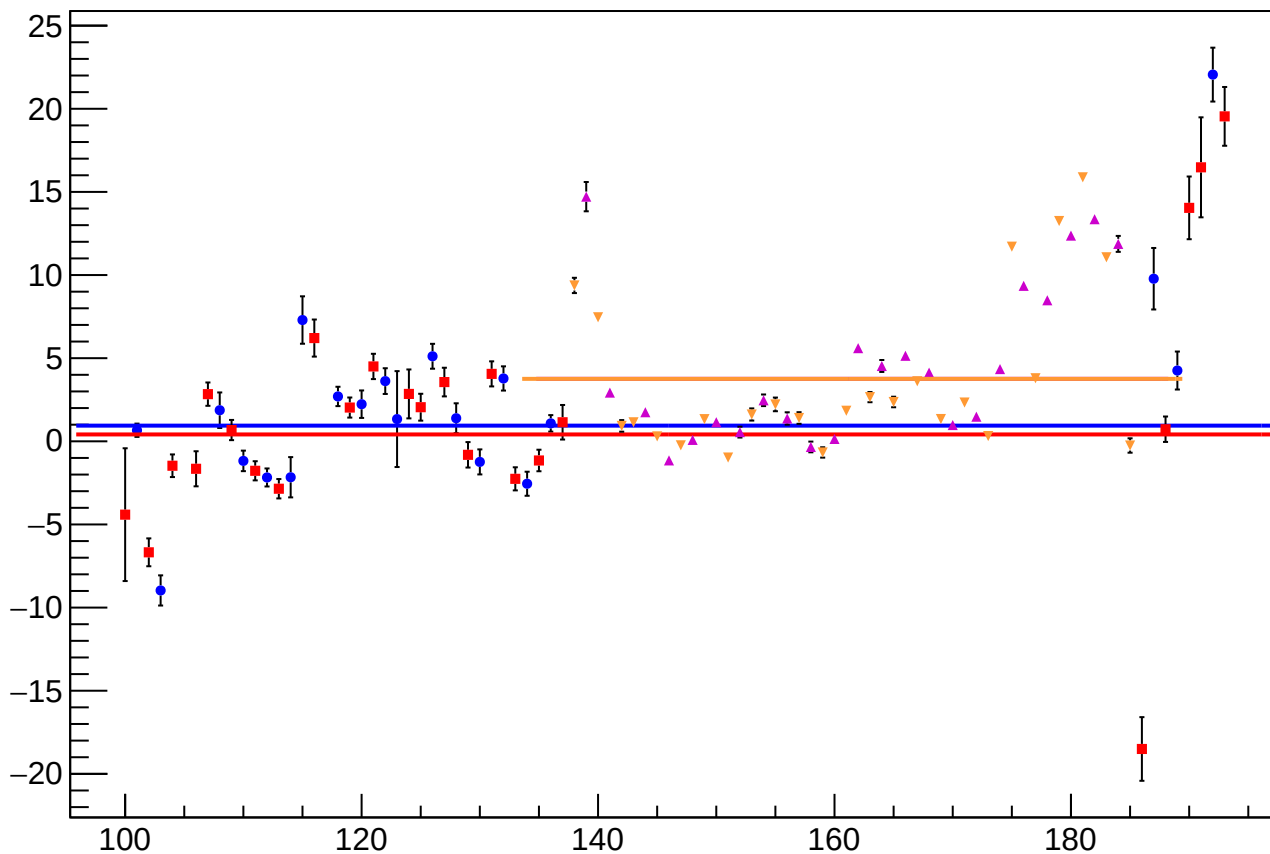
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -5.720 ± 0.690 $\chi^2/\text{NDF}: 476.5/2$
 Left Out: -11.801 ± 0.070 $\chi^2/\text{NDF}: 17308.2/24$
 Right Out: 5.774 ± 0.459 $\chi^2/\text{NDF}: 1599.9/4$
 Left In: -11.642 ± 0.072 $\chi^2/\text{NDF}: 14121.2/22$

+ sign -11.739 ± 0.070 $\chi^2/\text{NDF}: 17861.6/27$
 All: -11.486 ± 0.050 $\chi^2/\text{NDF}: 35016.4/55$
 - sign -11.228 ± 0.071 $\chi^2/\text{NDF}: 17128.5/27$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.943 ± 0.167 $\chi^2/\text{NDF}: 494.7/19$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 0.413 ± 0.168 $\chi^2/\text{NDF}: 568.5/23$

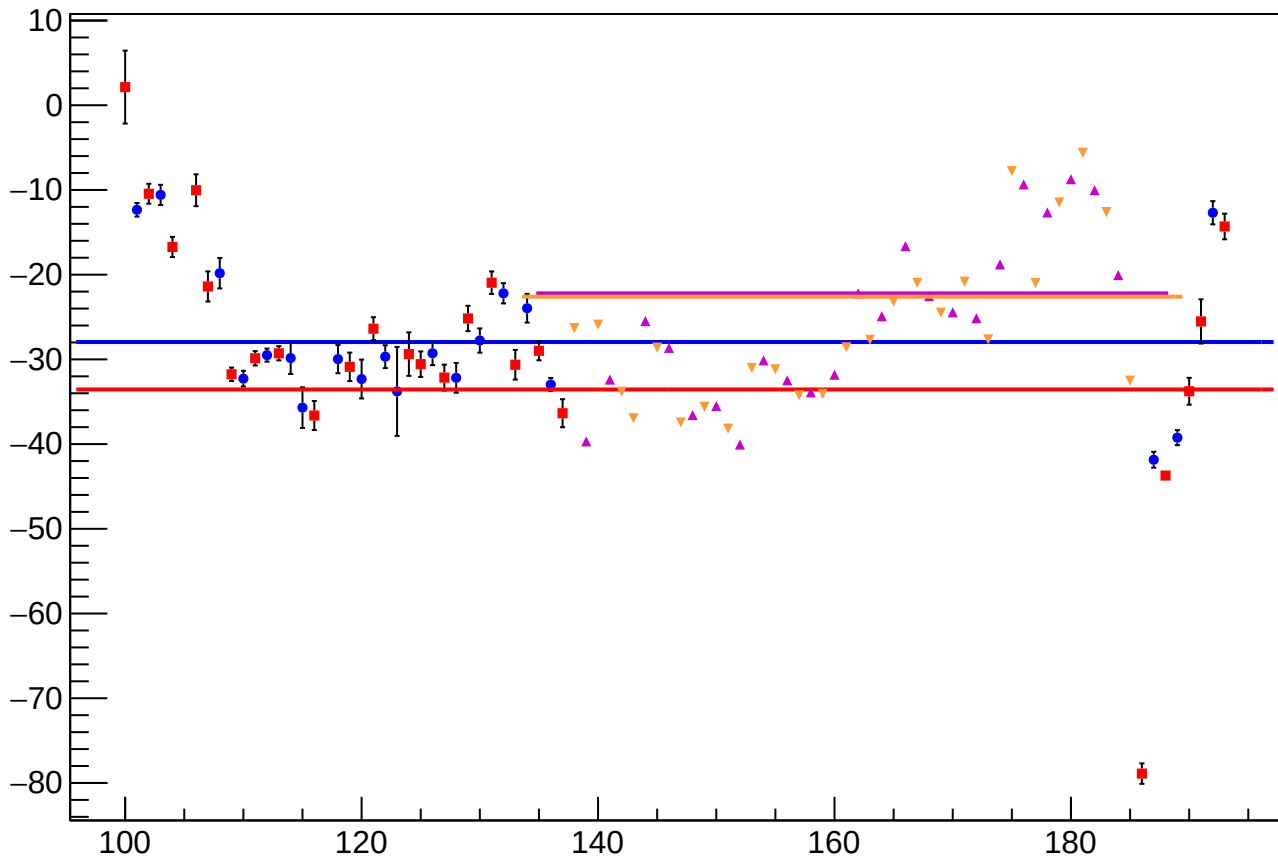
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.477 ± 0.053 $\chi^2/\text{NDF}: 8200.9/44$

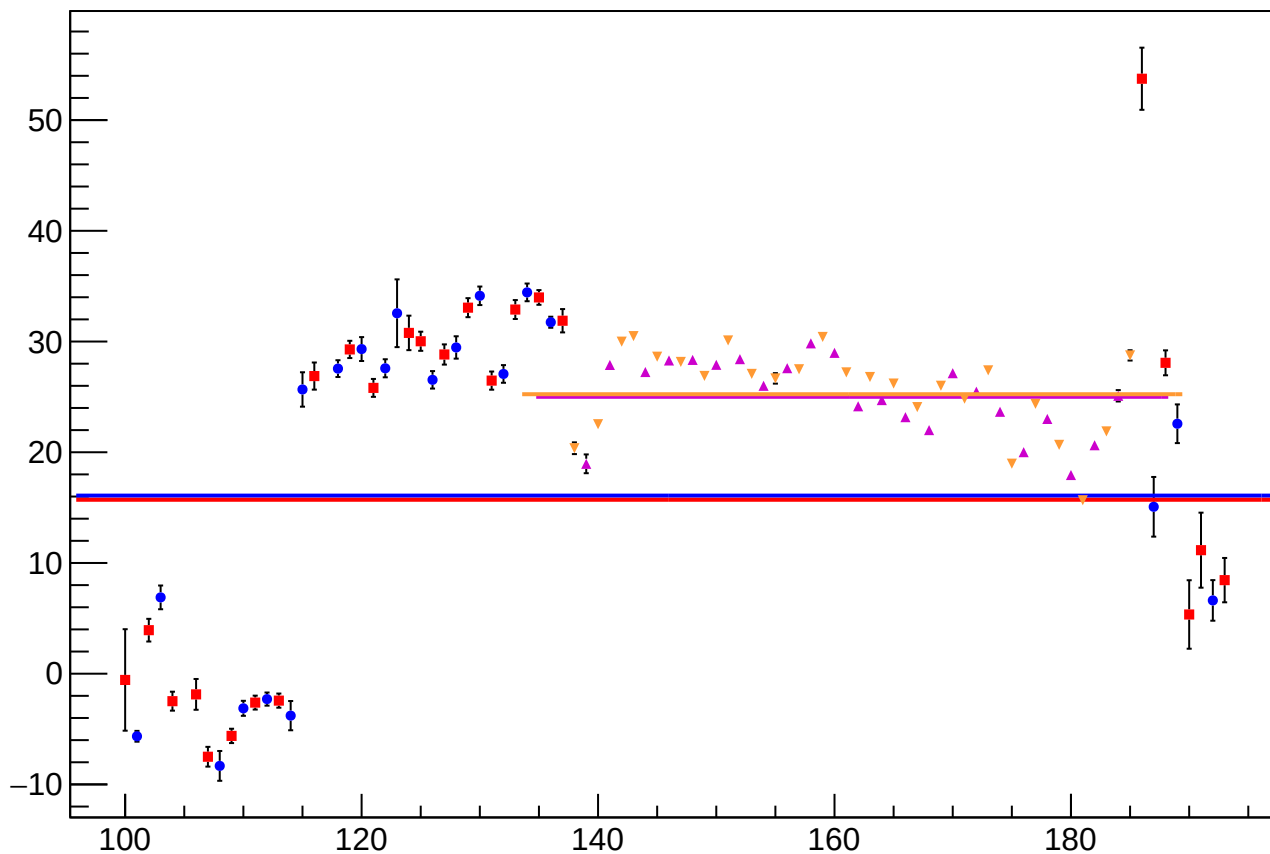
All: 3.447 ± 0.038 $\chi^2/\text{NDF}: 14754.9/91$

- sign 3.416 ± 0.054 $\chi^2/\text{NDF}: 6553.3/46$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.084 $\pm$ 0.190 χ^2 /NDF: 7582.7/19

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF:3786.5/24

Right Out: 15.709 $\pm$ 0.192 χ^2 /NDF: 7597.1/23

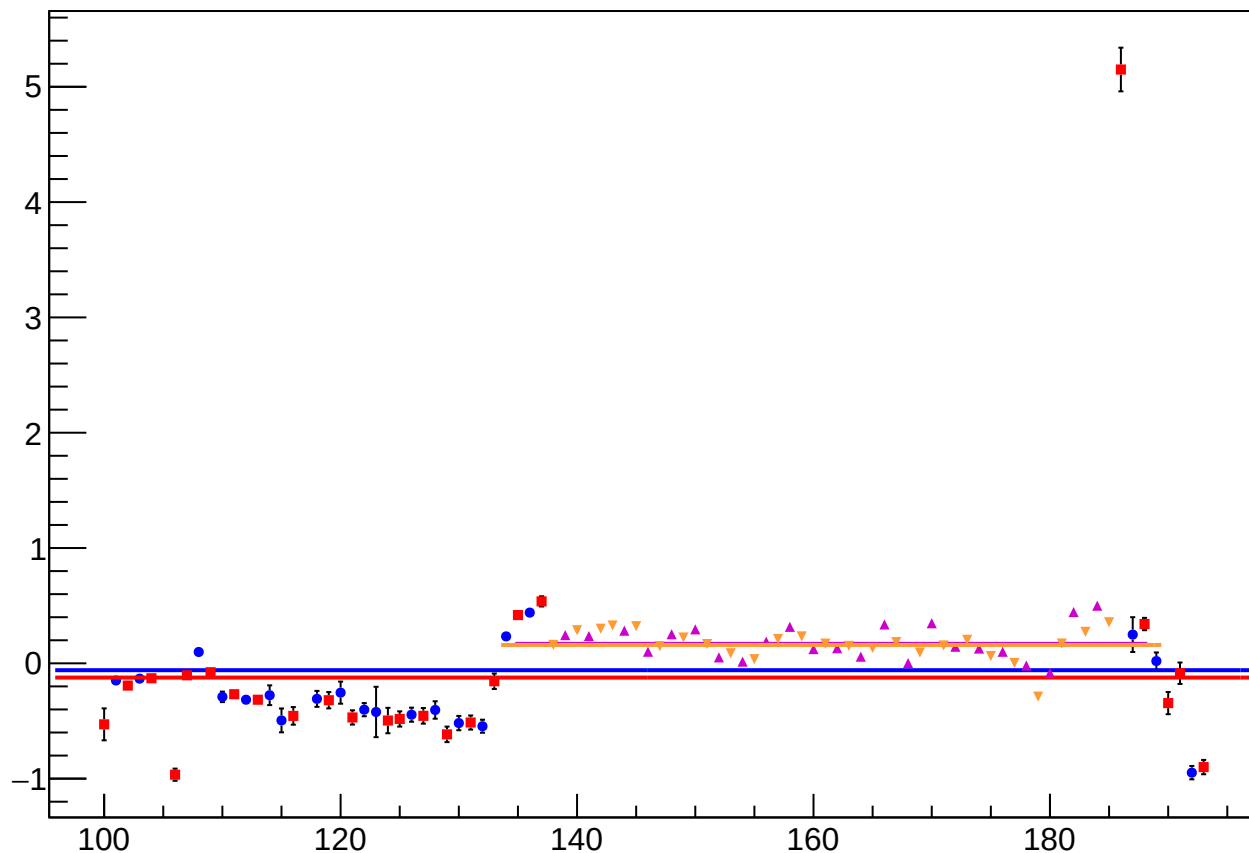
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF:2722.0/22

+ sign 24.342 $\pm$ 0.059 χ^2 /NDF: 13469.7/44

All: 24.217 $\pm$ 0.042 χ^2 /NDF: 25903.9/91

- sign 24.086 $\pm$ 0.061 χ^2 /NDF: 12425.1/46

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.059 ± 0.010 χ^2/NDF : 1257.5/19

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.124 ± 0.010 χ^2/NDF : 2172.8/23

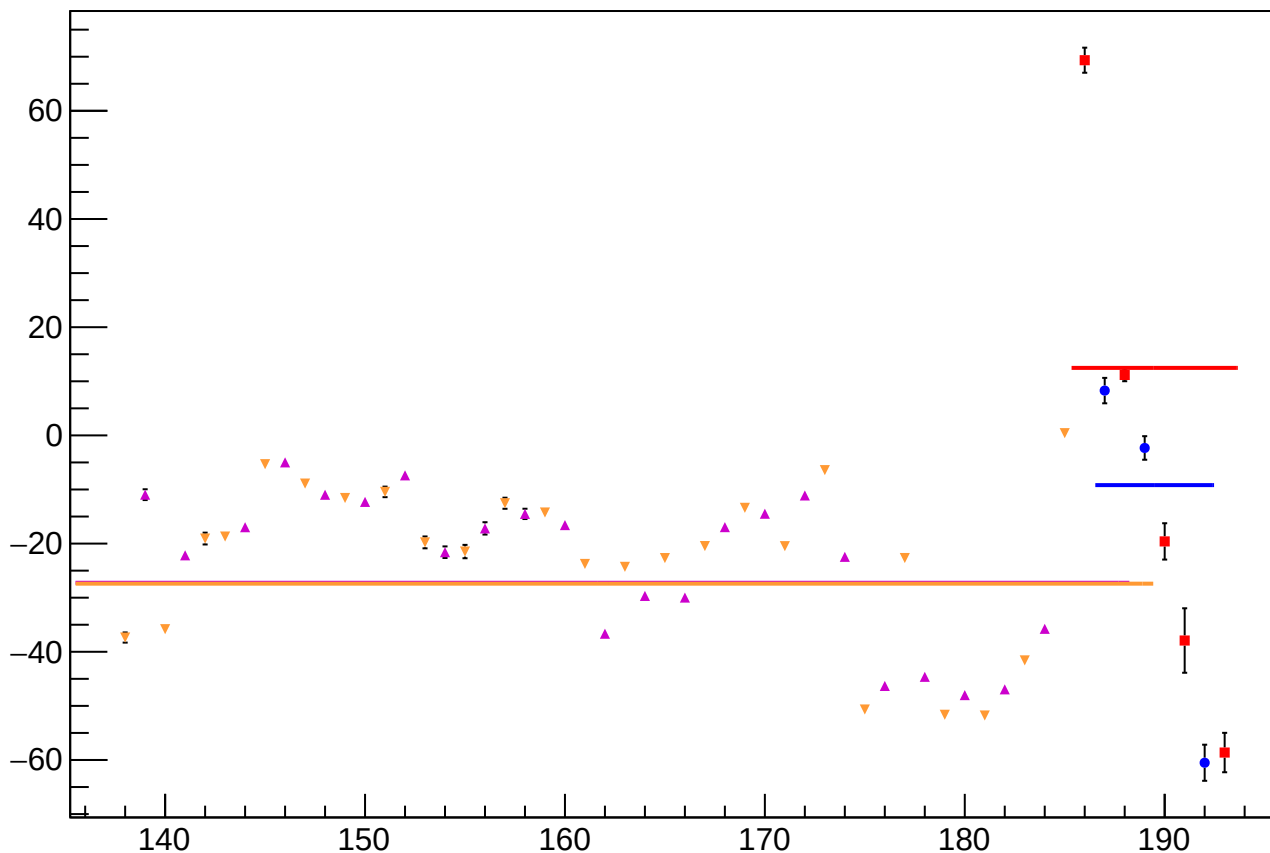
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.143 ± 0.003 χ^2/NDF : 3559.2/44

All: 0.144 ± 0.002 χ^2/NDF : 8949.2/91

- sign 0.146 ± 0.003 χ^2/NDF : 5389.5/46

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -9.191 ± 1.441 χ^2/NDF : 301.8/2

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: 12.479 ± 0.945 χ^2/NDF : 1147.4/4

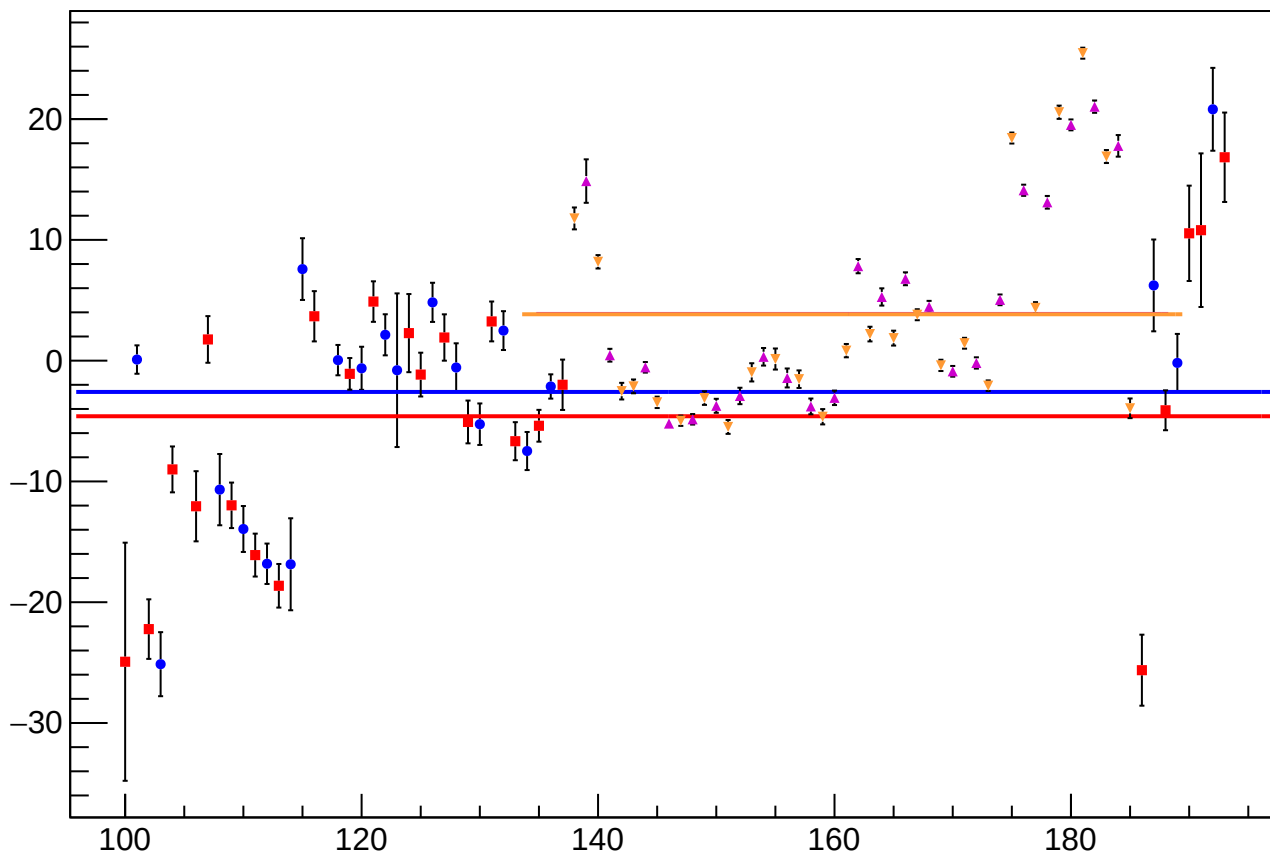
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -27.245 ± 0.136 χ^2/NDF : 15310.6/27

All: -26.826 ± 0.097 χ^2/NDF : 29512.3/55

- sign -26.397 ± 0.138 χ^2/NDF : 14182.5/27

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.590 ± 0.401 $\chi^2/\text{NDF}: 333.3/19$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -4.603 ± 0.404 $\chi^2/\text{NDF}: 402.2/23$

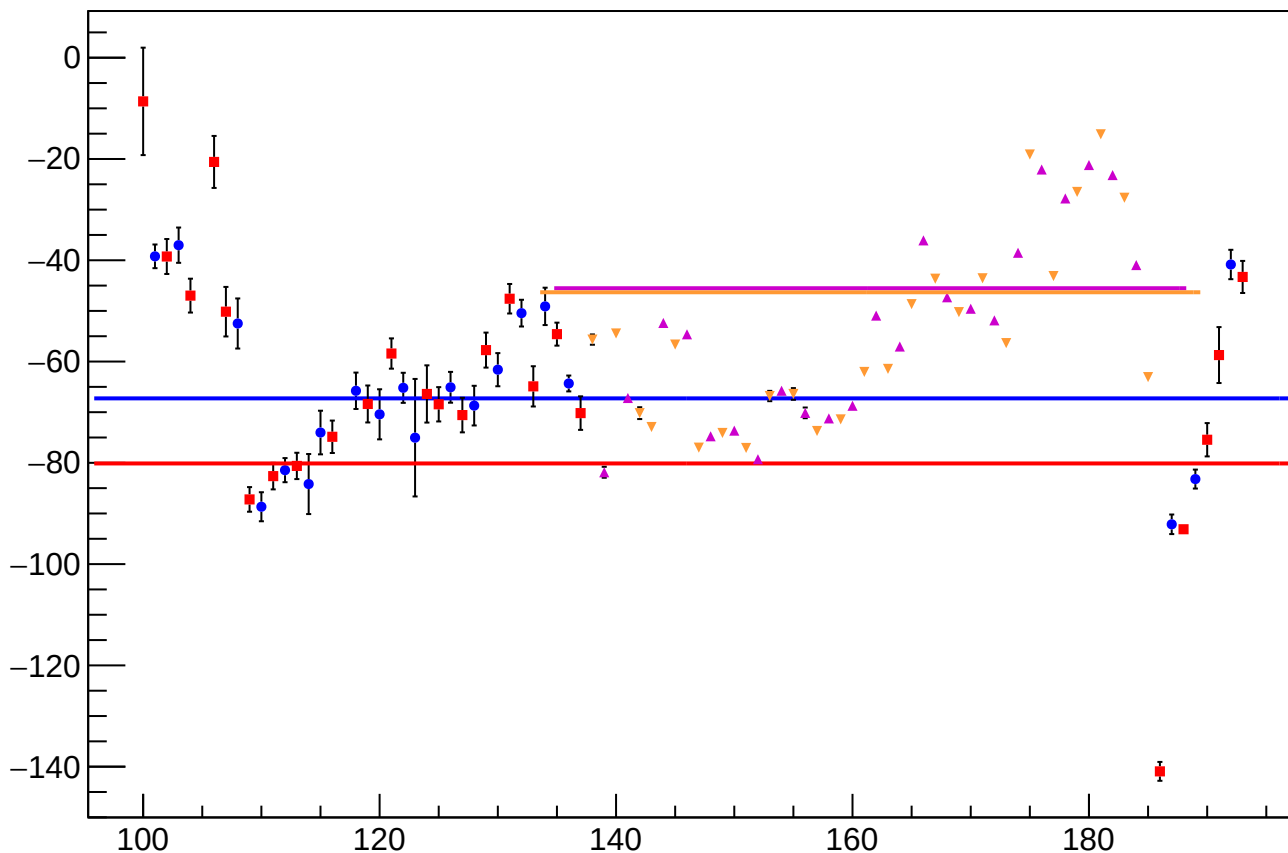
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.396 ± 0.105 $\chi^2/\text{NDF}: 7512.3/44$

All: 3.334 ± 0.075 $\chi^2/\text{NDF}: 13747.8/91$

- sign 3.270 ± 0.107 $\chi^2/\text{NDF}: 6234.7/46$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -67.273 ± 0.634 $\chi^2/\text{NDF}: 724.8/19$

Left Out: -46.318 ± 0.138 $\chi^2/\text{NDF}: 20134.6/24$

Right Out: -80.122 ± 0.541 $\chi^2/\text{NDF}: 2283.7/23$

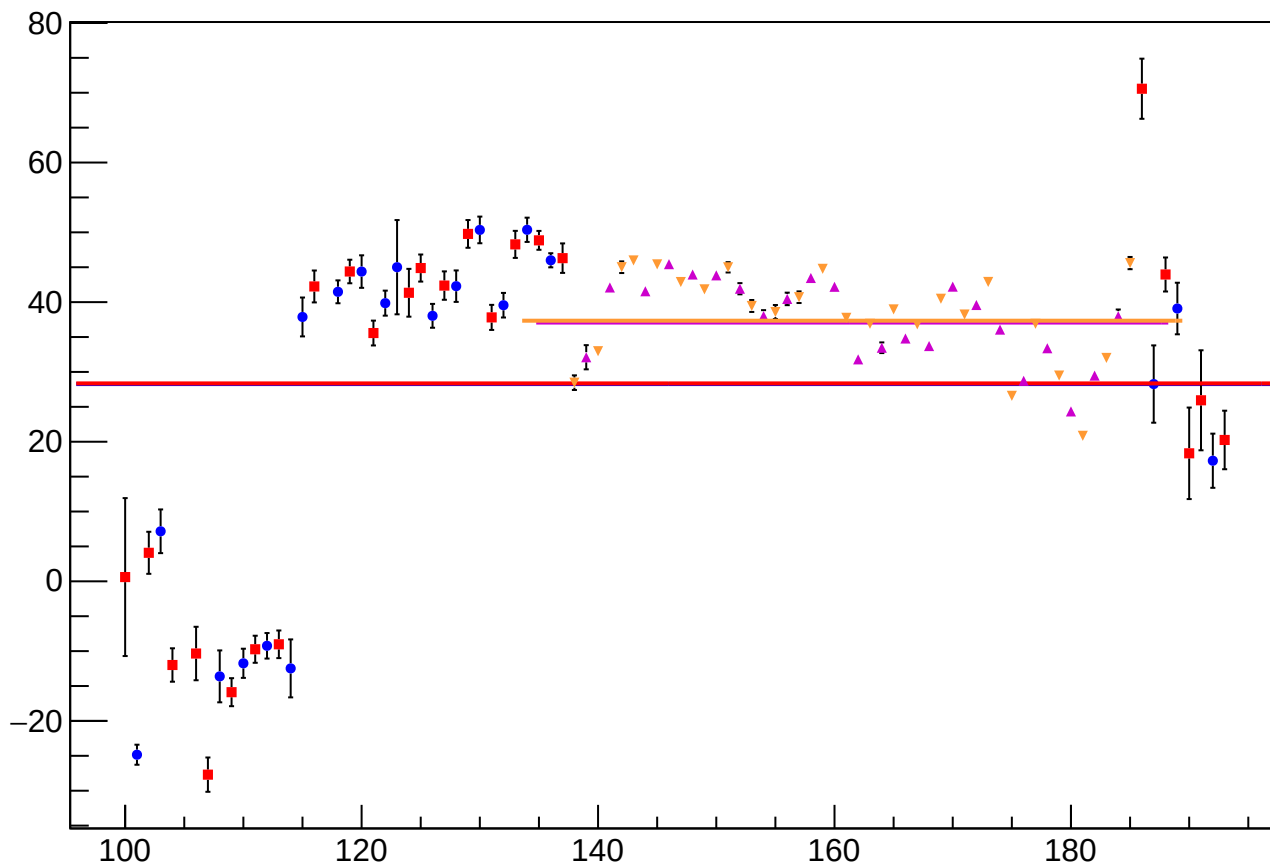
Left In: -45.522 ± 0.140 $\chi^2/\text{NDF}: 17525.4/22$

+ sign -47.266 ± 0.135 $\chi^2/\text{NDF}: 21903.3/44$

All: -47.475 ± 0.095 $\chi^2/\text{NDF}: 45551.1/91$

- sign -47.686 ± 0.135 $\chi^2/\text{NDF}: 23642.9/46$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.261 $\pm$ 0.453 χ^2 /NDF: 3327.5/19

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.357 $\pm$ 0.463 χ^2 /NDF: 3178.7/23

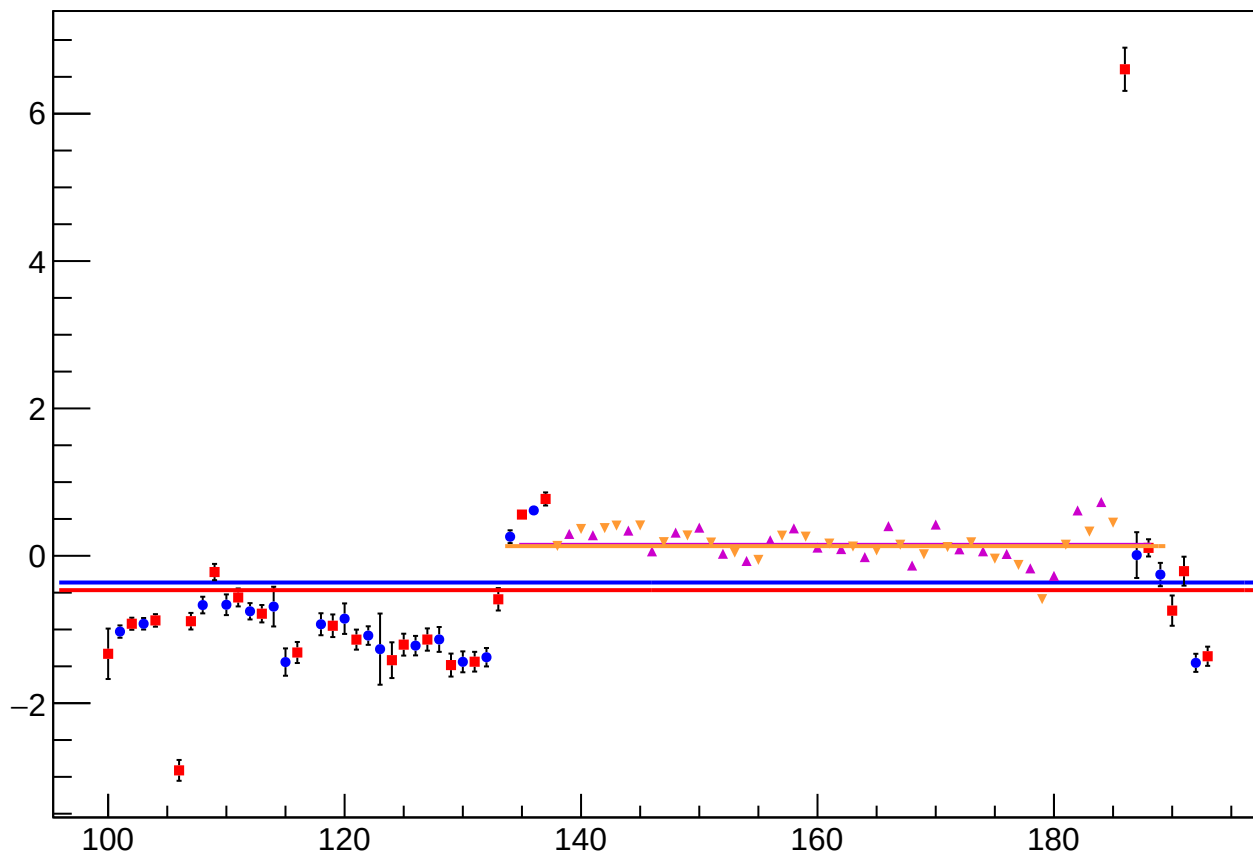
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.717 $\pm$ 0.119 χ^2 /NDF: 6851.3/44

All: 36.600 $\pm$ 0.085 χ^2 /NDF: 12759.9/91

- sign 36.479 $\pm$ 0.121 χ^2 /NDF: 5906.6/46

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.362 ± 0.024 χ^2/NDF : 1093.4/19

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.466 ± 0.024 χ^2/NDF : 1818.9/23

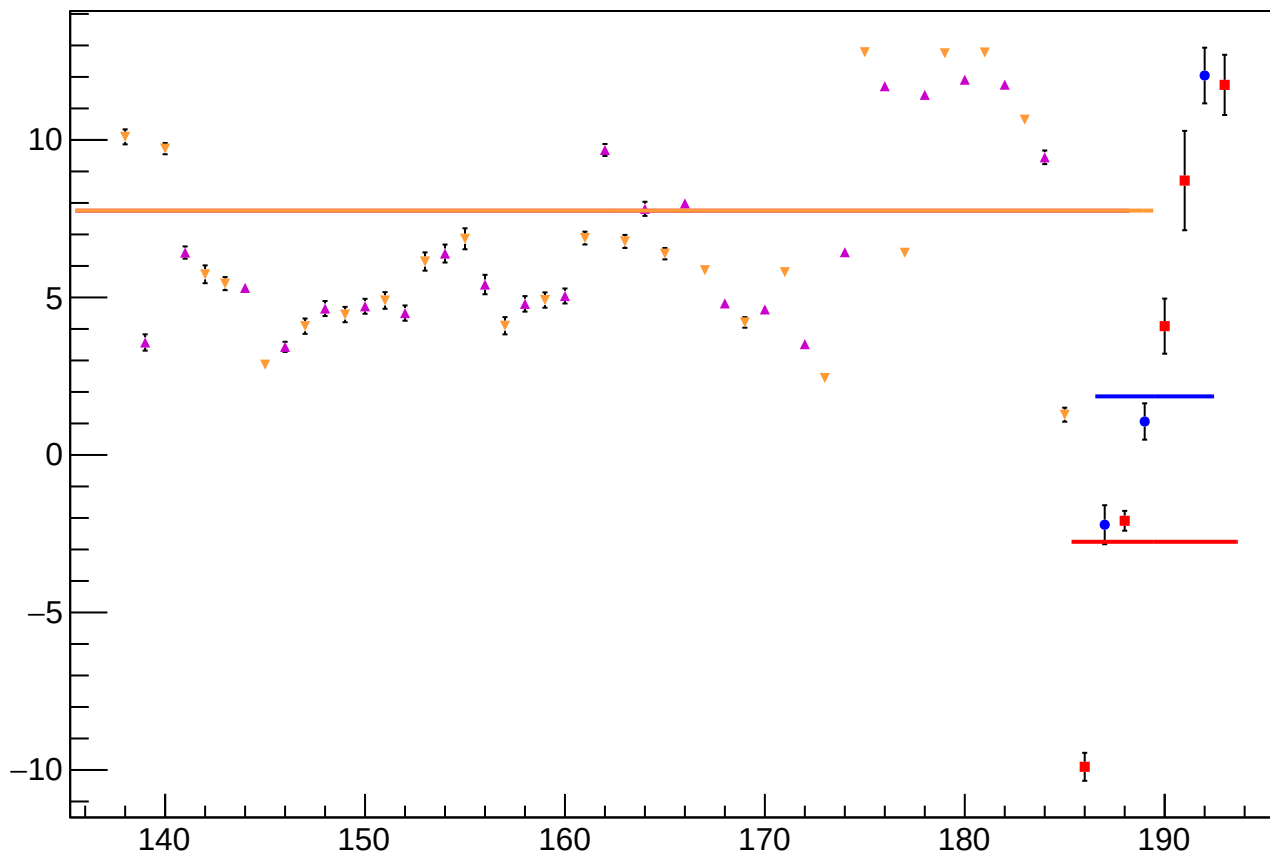
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.106 ± 0.005 χ^2/NDF : 2917.3/44

All: 0.111 ± 0.004 χ^2/NDF : 7149.3/91

- sign 0.116 ± 0.006 χ^2/NDF : 4230.3/46

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 1.859 ± 0.381 $\chi^2/\text{NDF}: 177.9/2$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: -2.756 ± 0.236 $\chi^2/\text{NDF}: 607.6/4$

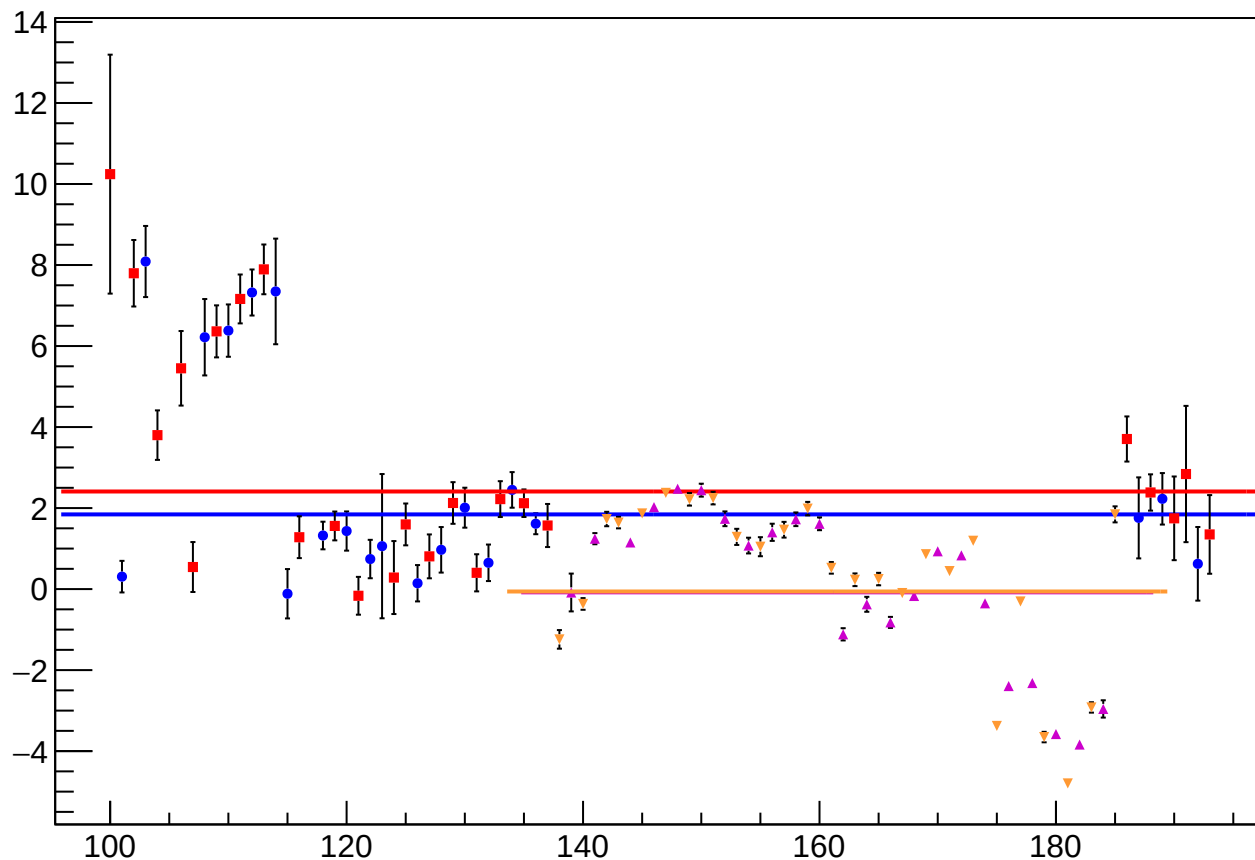
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.710 ± 0.034 $\chi^2/\text{NDF}: 12144.5/27$

All: 7.619 ± 0.024 $\chi^2/\text{NDF}: 23053.9/55$

- sign 7.526 ± 0.035 $\chi^2/\text{NDF}: 10895.2/27$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.844 ± 0.114 χ^2/NDF : 295.4/19

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.409 ± 0.114 χ^2/NDF : 342.7/23

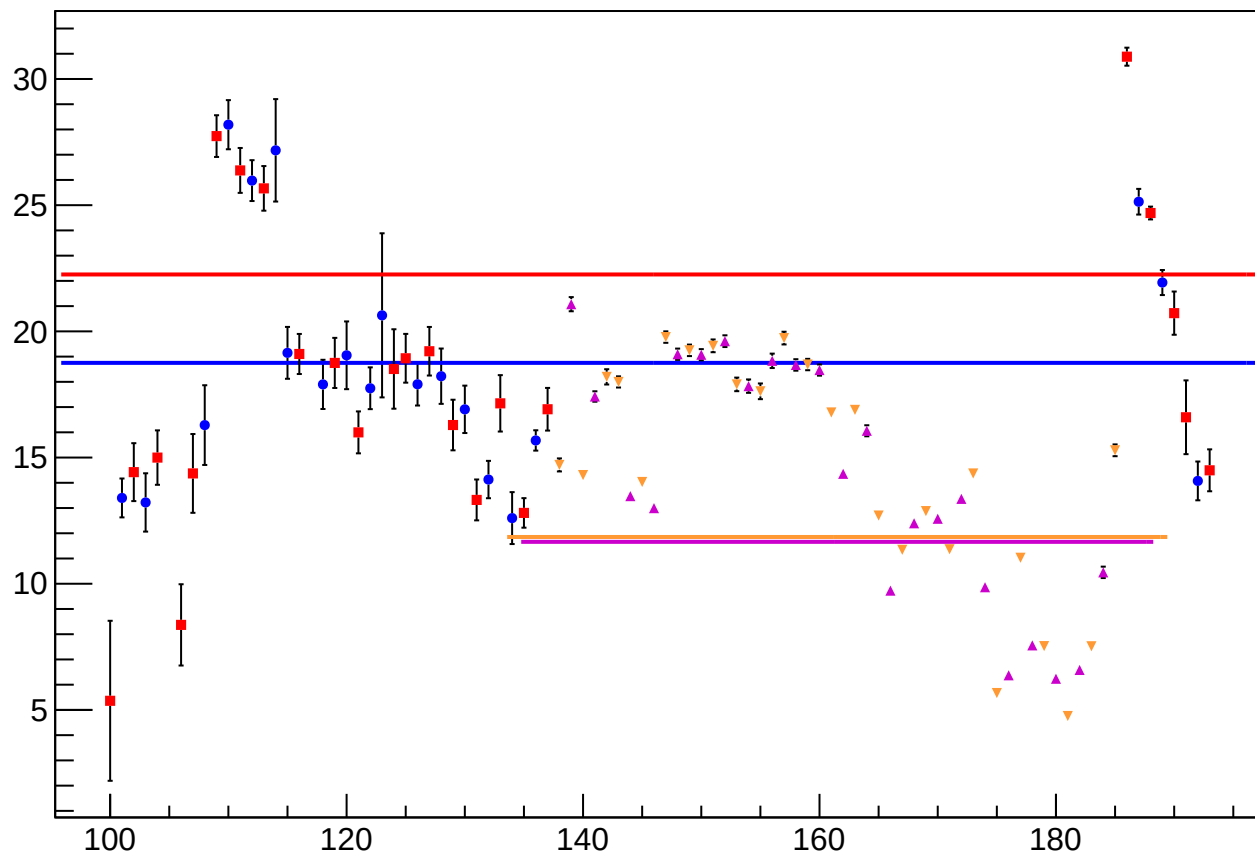
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.048 ± 0.027 χ^2/NDF : 6628.6/44

All: 0.056 ± 0.019 χ^2/NDF : 12400.3/91

- sign 0.064 ± 0.027 χ^2/NDF : 5771.5/46

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.752 $\pm$ 0.178 χ^2 /NDF: 640.9/19

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 22.255 $\pm$ 0.145 χ^2 /NDF: 1673.2/23

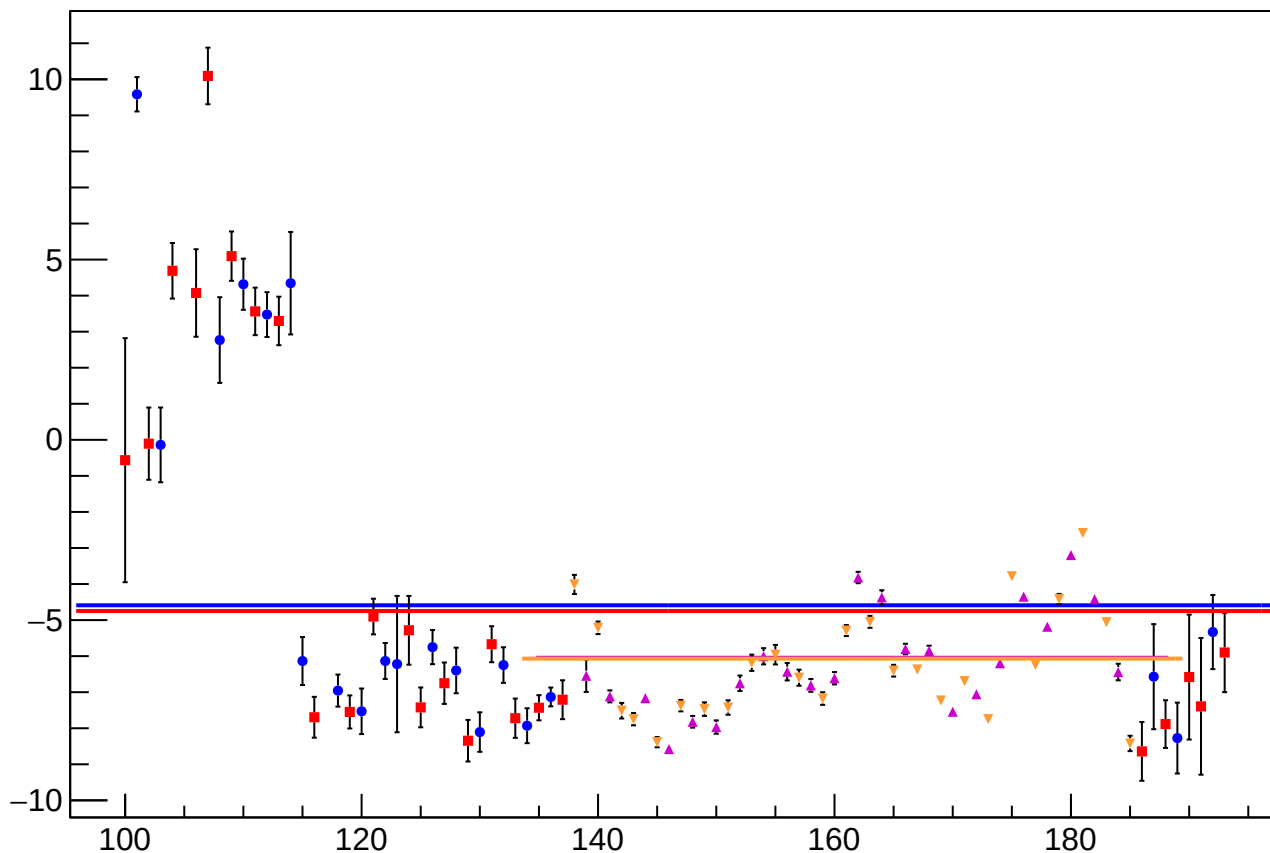
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.106 $\pm$ 0.034 χ^2 /NDF: 21243.2/44

All: 12.176 $\pm$ 0.024 χ^2 /NDF: 44661.8/91

- sign 12.248 $\pm$ 0.034 χ^2 /NDF: 23410.1/46

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.589 ± 0.128 χ^2/NDF : 1599.7/19

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.747 ± 0.131 χ^2/NDF : 1394.4/23

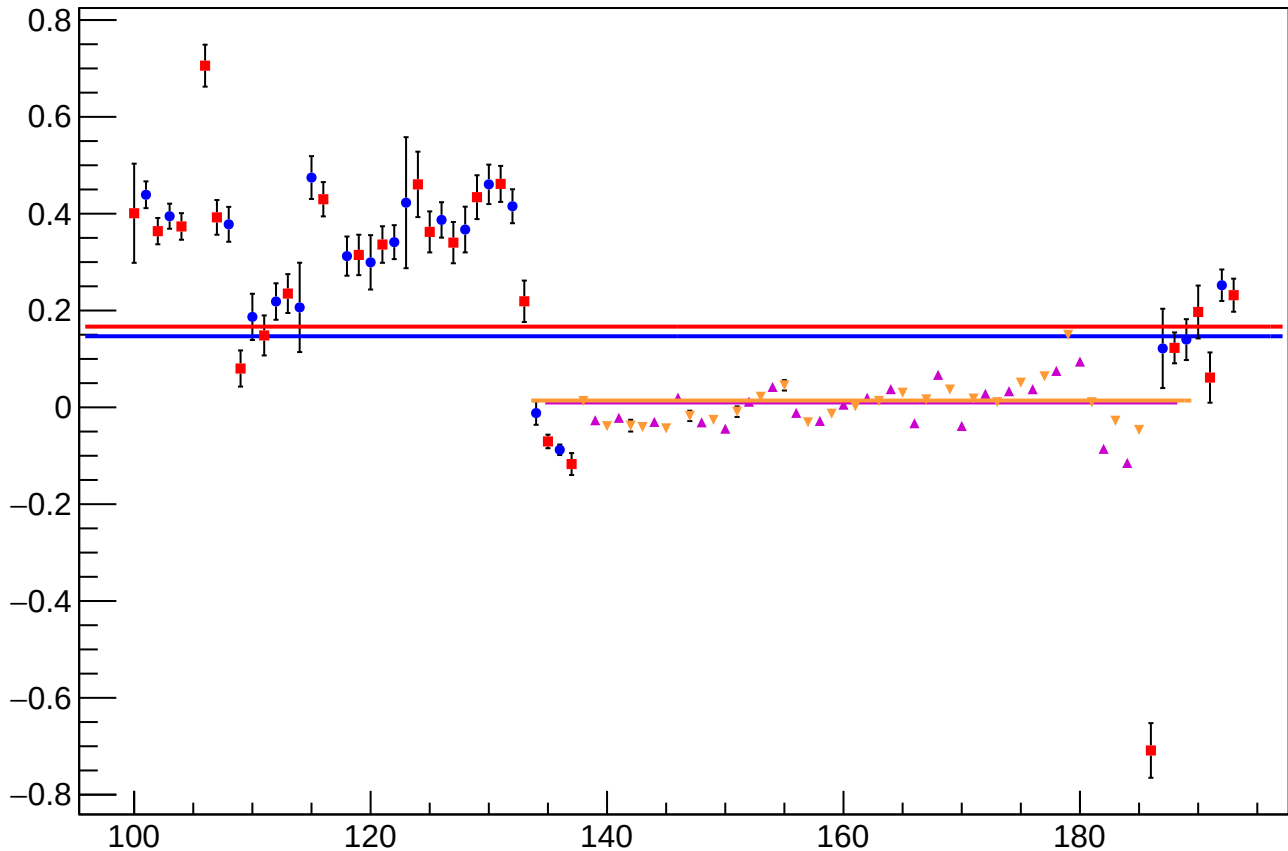
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4397.6/44

All: -5.980 ± 0.022 χ^2/NDF : 8178.7/91

- sign -5.973 ± 0.031 χ^2/NDF : 3780.9/46

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.147 $\pm$ 0.007 χ^2 /NDF: 1068.8/19

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 956.2/24

Right Out: 0.167 $\pm$ 0.007 χ^2 /NDF: 1254.0/23

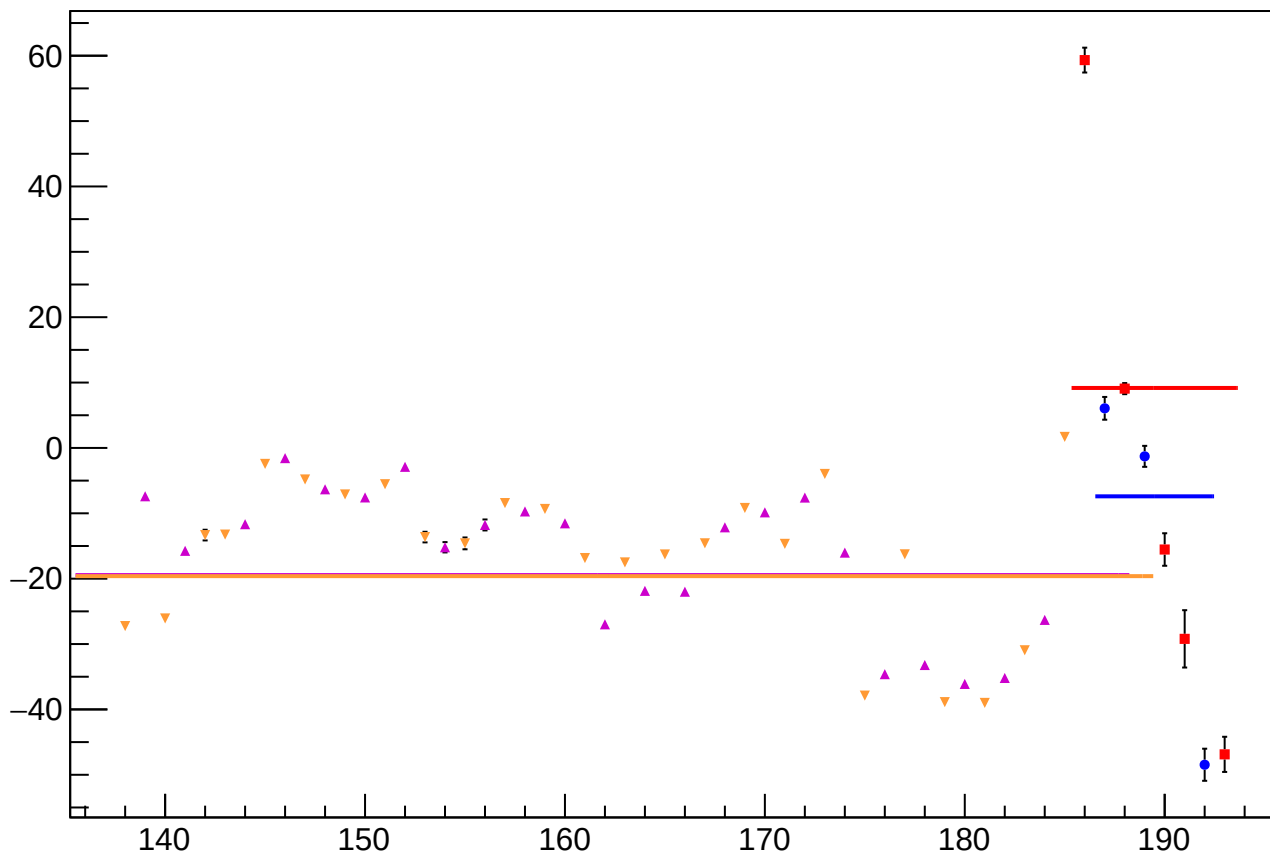
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.020 $\pm$ 0.001 χ^2 /NDF: 2390.3/44

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5357.1/91

- sign 0.017 $\pm$ 0.001 χ^2 /NDF: 2964.6/46

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -7.403+/-1.064 χ^2/NDF : 354.0/2

Left Out: -19.612+/-0.103 χ^2/NDF :15761.3/24

Right Out: 9.176+/-0.704 χ^2/NDF : 1306.0/4

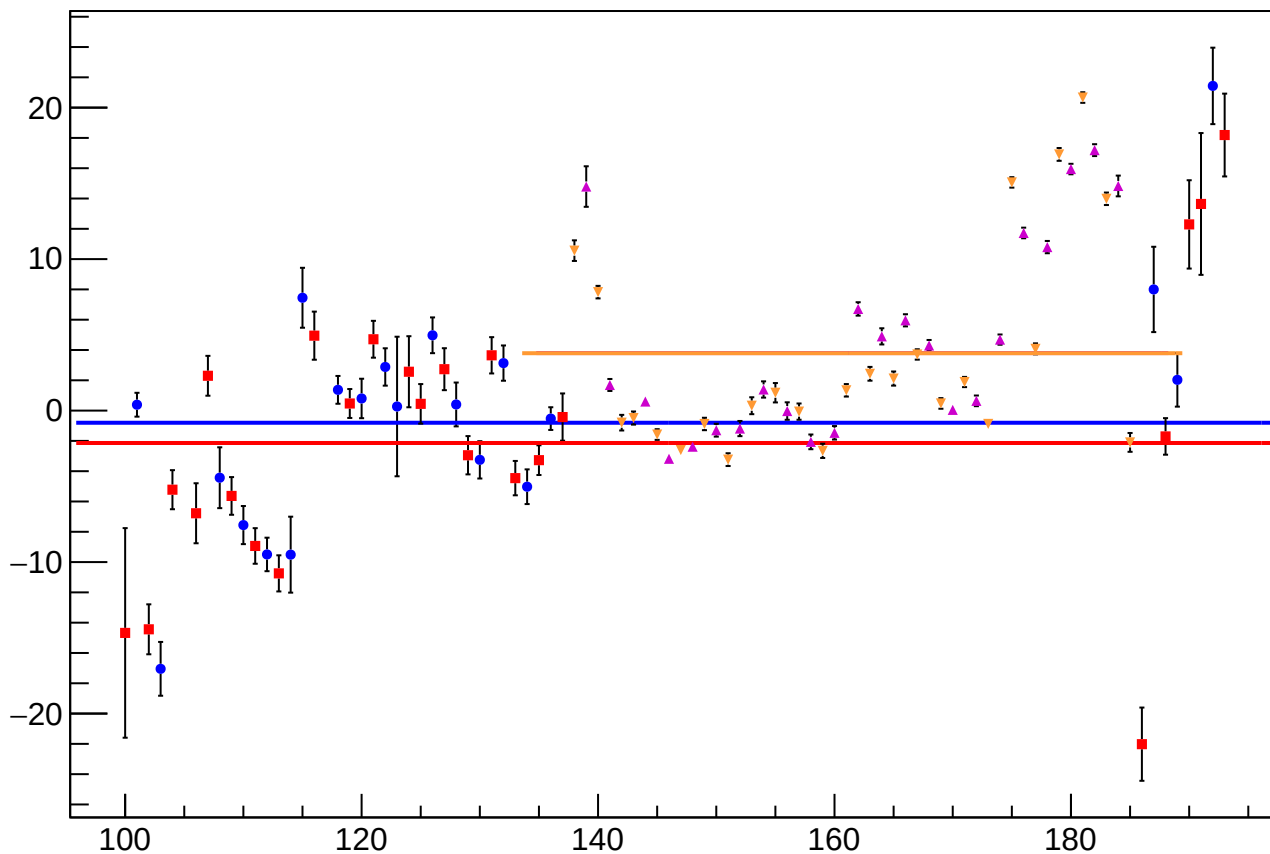
Left In: -19.450+/-0.105 χ^2/NDF :12283.1/22

+ sign -19.498+/-0.103 χ^2/NDF : 16245.8/27

All: -19.166+/-0.073 χ^2/NDF : 31474.8/55

- sign -18.826+/-0.104 χ^2/NDF : 15207.8/27

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.802 ± 0.286 χ^2/NDF : 369.1/19

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -2.138 ± 0.288 χ^2/NDF : 443.8/23

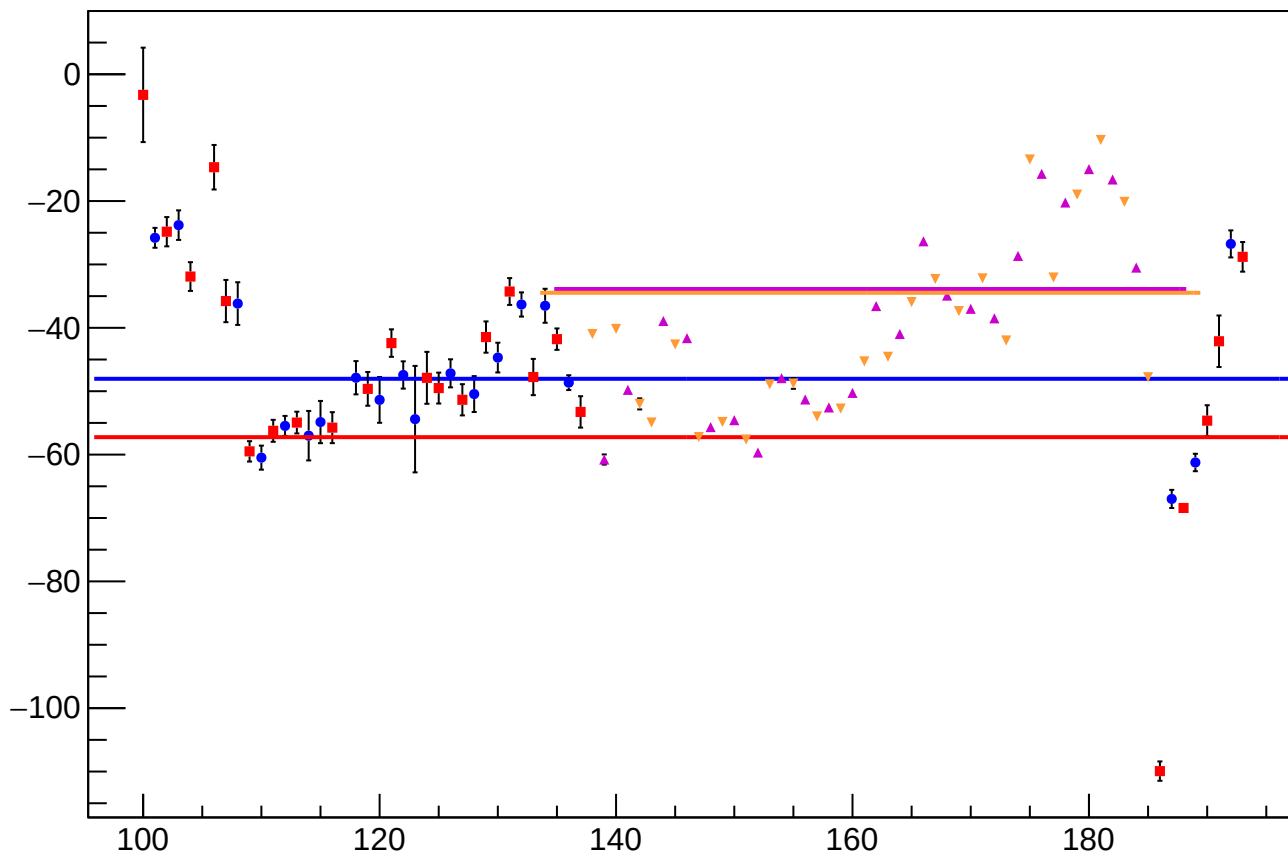
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.438 ± 0.079 χ^2/NDF : 7758.3/44

All: 3.388 ± 0.056 χ^2/NDF : 14112.0/91

- sign 3.337 ± 0.080 χ^2/NDF : 6353.0/46

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -48.040 ± 0.454 $\chi^2/\text{NDF}: 823.4/19$

Left Out: -34.471 ± 0.104 $\chi^2/\text{NDF}: 20196.3/24$

Right Out: -57.248 ± 0.391 $\chi^2/\text{NDF}: 2518.3/23$

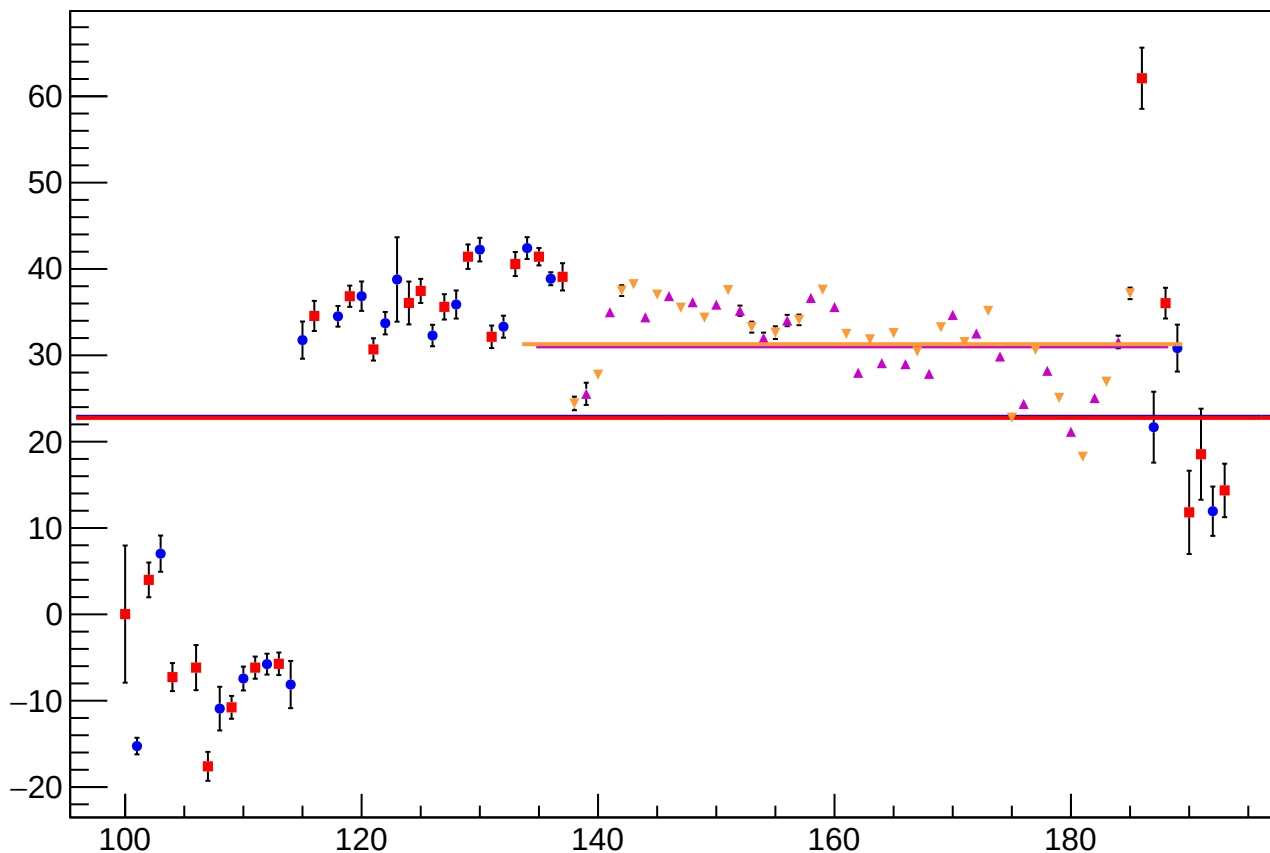
Left In: -33.875 ± 0.105 $\chi^2/\text{NDF}: 17638.7/22$

+ sign -35.148 ± 0.101 $\chi^2/\text{NDF}: 21869.8/44$

All: -35.301 ± 0.072 $\chi^2/\text{NDF}: 45364.1/91$

- sign -35.455 ± 0.102 $\chi^2/\text{NDF}: 23489.7/46$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.881+/-0.323 χ^2/NDF : 4340.5/19

Left Out: 31.286+/-0.092 χ^2/NDF : 3345.7/24

Right Out: 22.754+/-0.330 χ^2/NDF : 4226.0/23

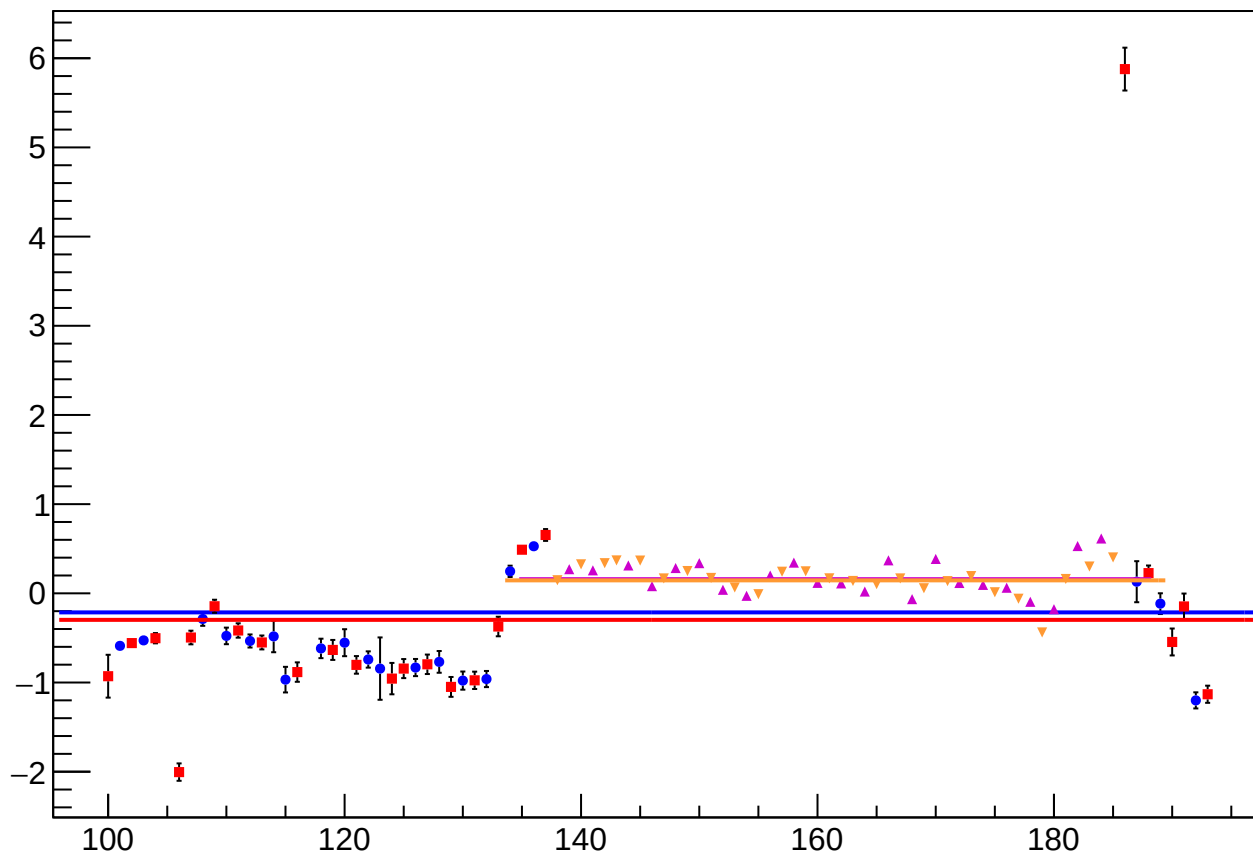
Left In: 31.039+/-0.094 χ^2/NDF : 2480.0/22

+ sign 30.651+/-0.089 χ^2/NDF : 8311.7/44

All: 30.535+/-0.063 χ^2/NDF : 15605.1/91

- sign 30.414+/-0.091 χ^2/NDF : 7289.9/46

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.214 ± 0.017 χ^2/NDF : 1121.1/19

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.297 ± 0.017 χ^2/NDF : 1953.9/23

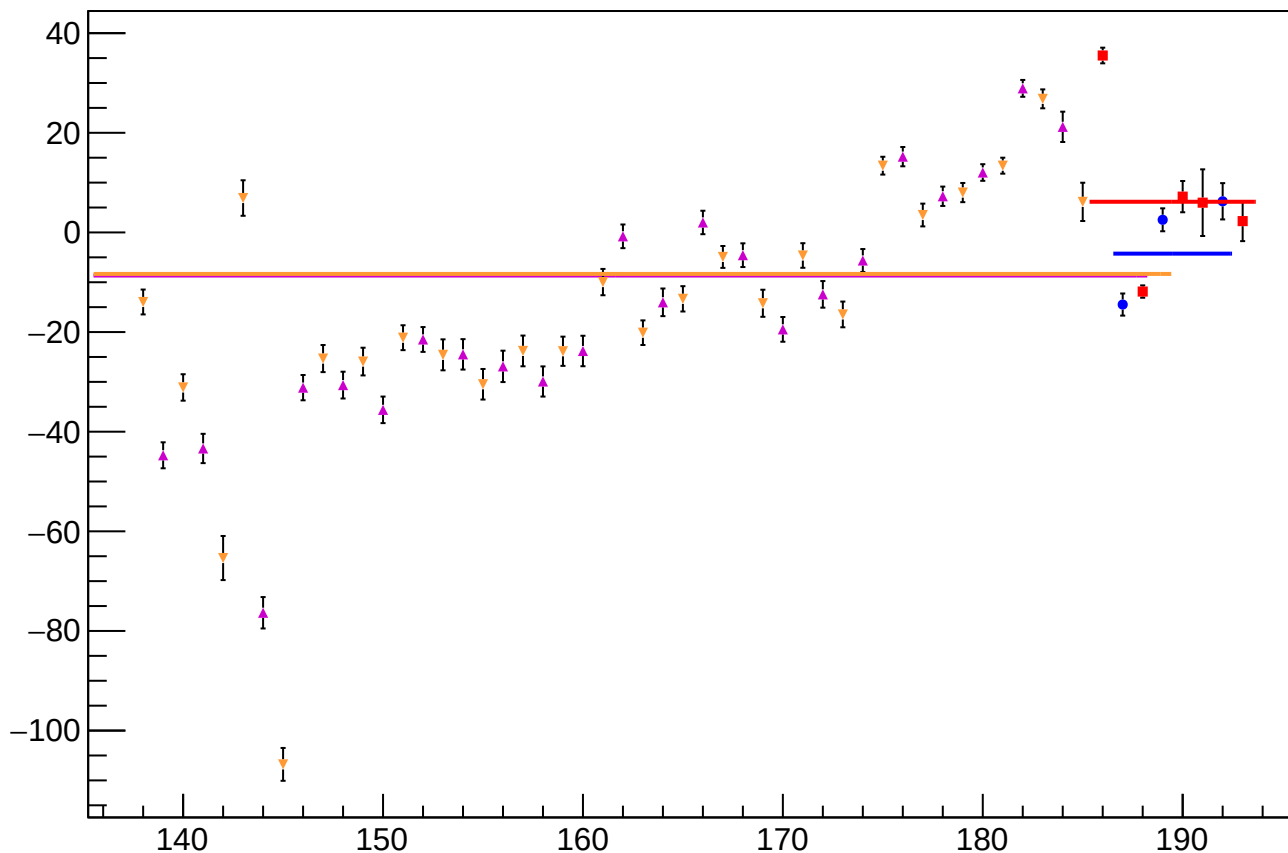
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.125 ± 0.004 χ^2/NDF : 3111.4/44

All: 0.128 ± 0.003 χ^2/NDF : 7736.7/91

- sign 0.132 ± 0.004 χ^2/NDF : 4623.8/46

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -4.256 ± 1.463 χ^2/NDF : 38.2/2

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 6.157 ± 0.897 χ^2/NDF : 562.0/4

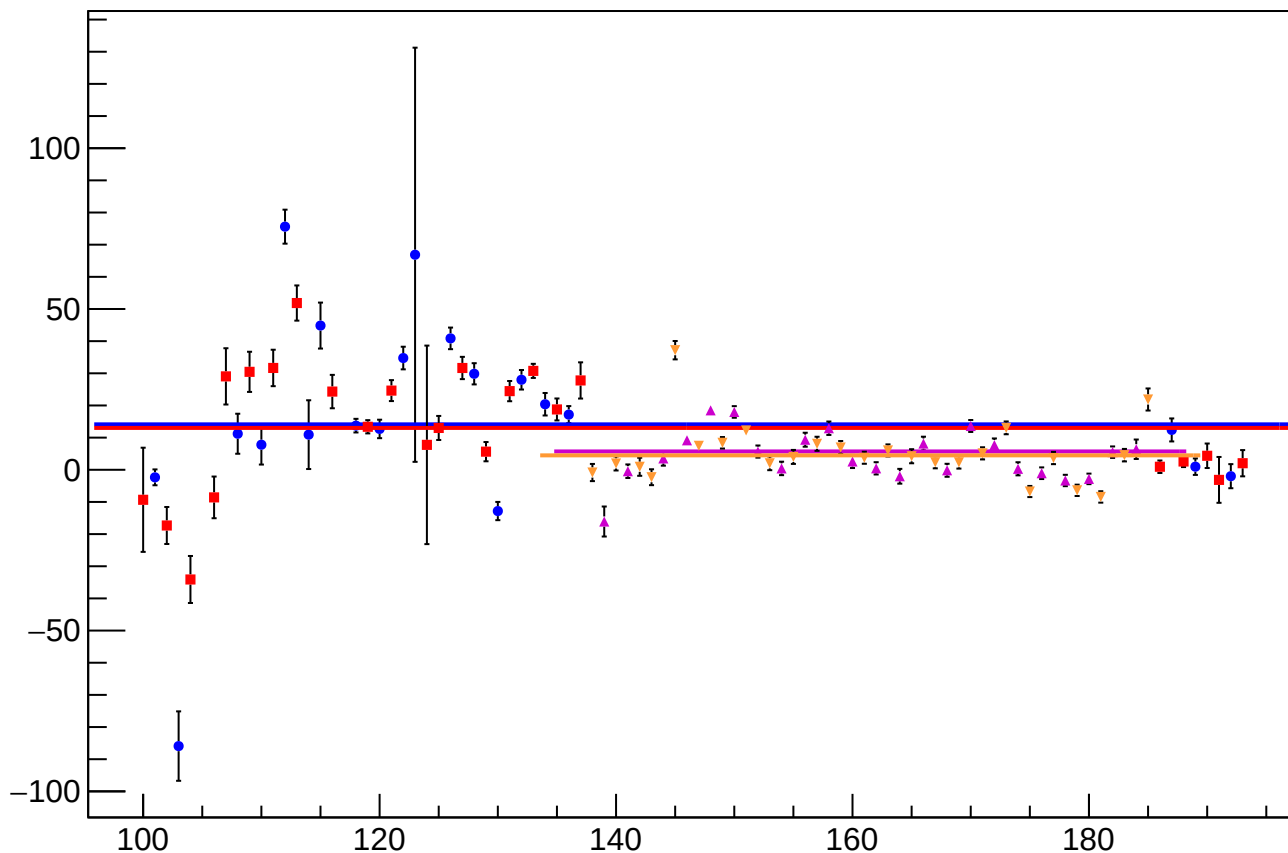
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -7.907 ± 0.473 χ^2/NDF : 2271.4/27

All: -6.388 ± 0.323 χ^2/NDF : 5283.0/55

- sign -5.065 ± 0.442 χ^2/NDF : 2992.3/27

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 14.126 $\pm$ 0.777 χ^2 /NDF: 568.1/19

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 13.019 $\pm$ 0.709 χ^2 /NDF: 388.3/23

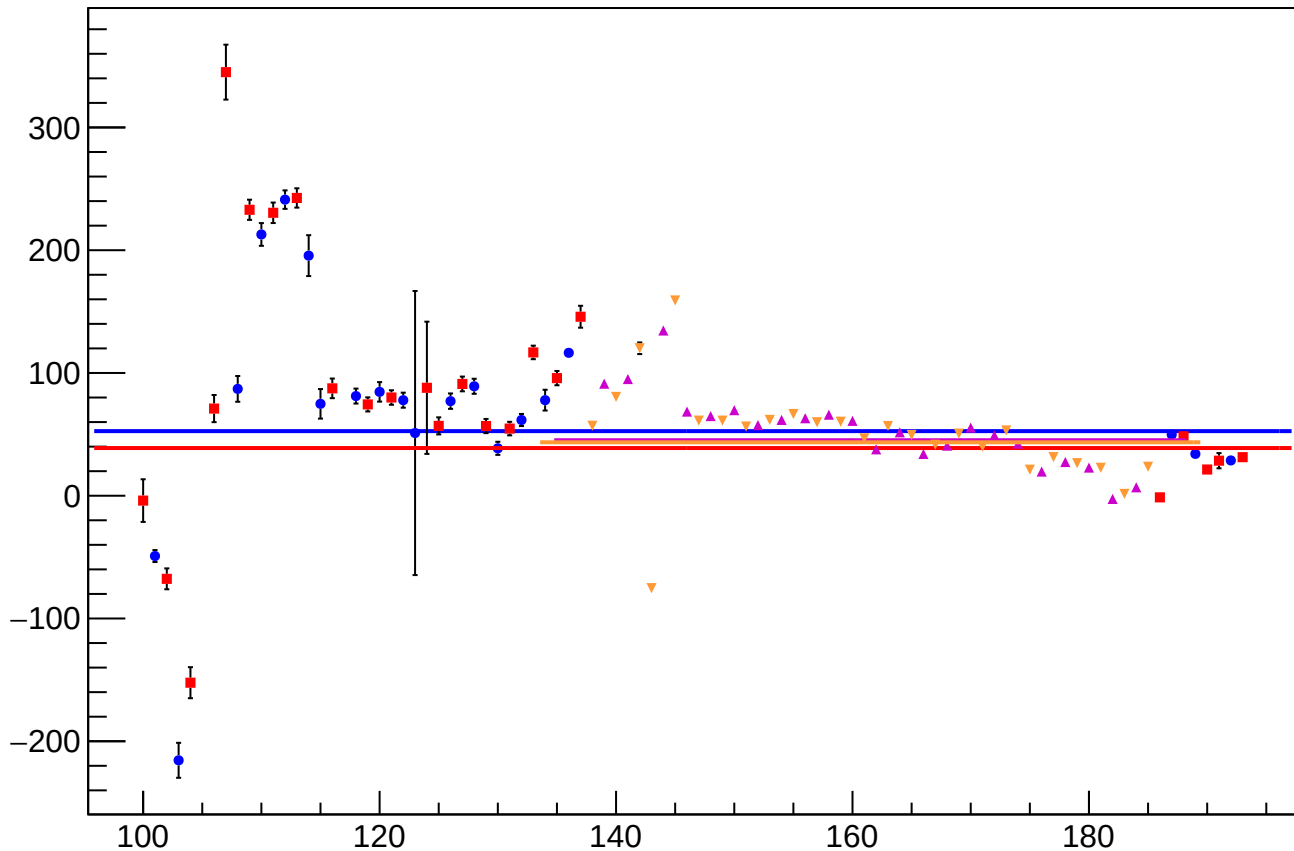
Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

+ sign 6.440 $\pm$ 0.350 χ^2 /NDF: 1062.5/44

All: 6.967 $\pm$ 0.248 χ^2 /NDF: 1859.7/91

- sign 7.498 $\pm$ 0.351 χ^2 /NDF: 792.6/46

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 52.624 $\pm$ 0.983 χ^2 /NDF: 2325.9/19

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 38.844 $\pm$ 0.675 χ^2 /NDF: 4159.5/23

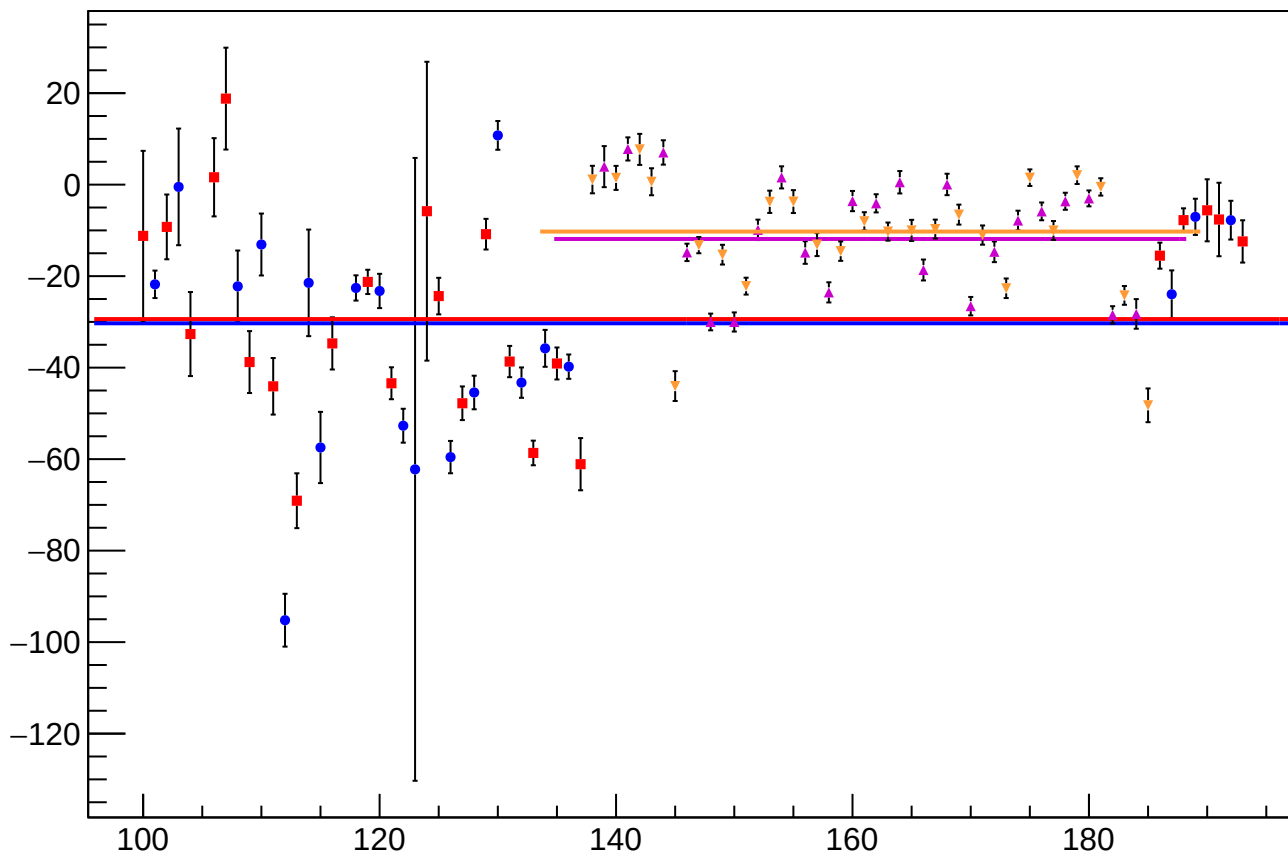
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 45.384 $\pm$ 0.445 χ^2 /NDF: 6224.7/44

All: 44.041 $\pm$ 0.299 χ^2 /NDF: 13506.5/91

- sign 42.932 $\pm$ 0.404 χ^2 /NDF: 7265.0/46

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -30.306 ± 0.917 χ^2/NDF : 558.3/19

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -29.387 ± 0.875 χ^2/NDF : 468.0/23

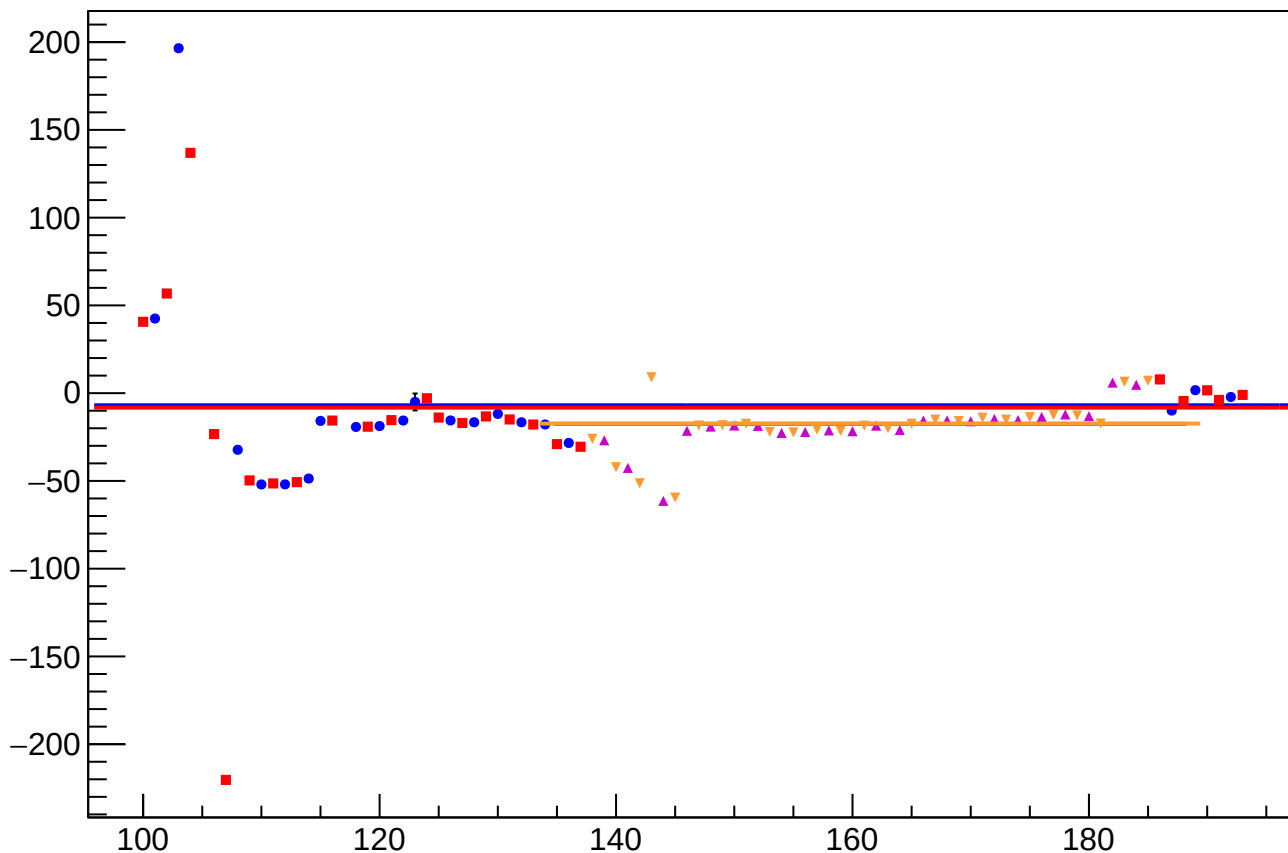
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -14.070 ± 0.400 χ^2/NDF : 1498.0/44

All: -14.836 ± 0.284 χ^2/NDF : 2954.8/91

- sign -15.620 ± 0.404 χ^2/NDF : 1449.3/46

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -6.921 ± 0.051 χ^2/NDF : 579985.8/19

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -8.234 ± 0.048 χ^2/NDF : 576487.3/23

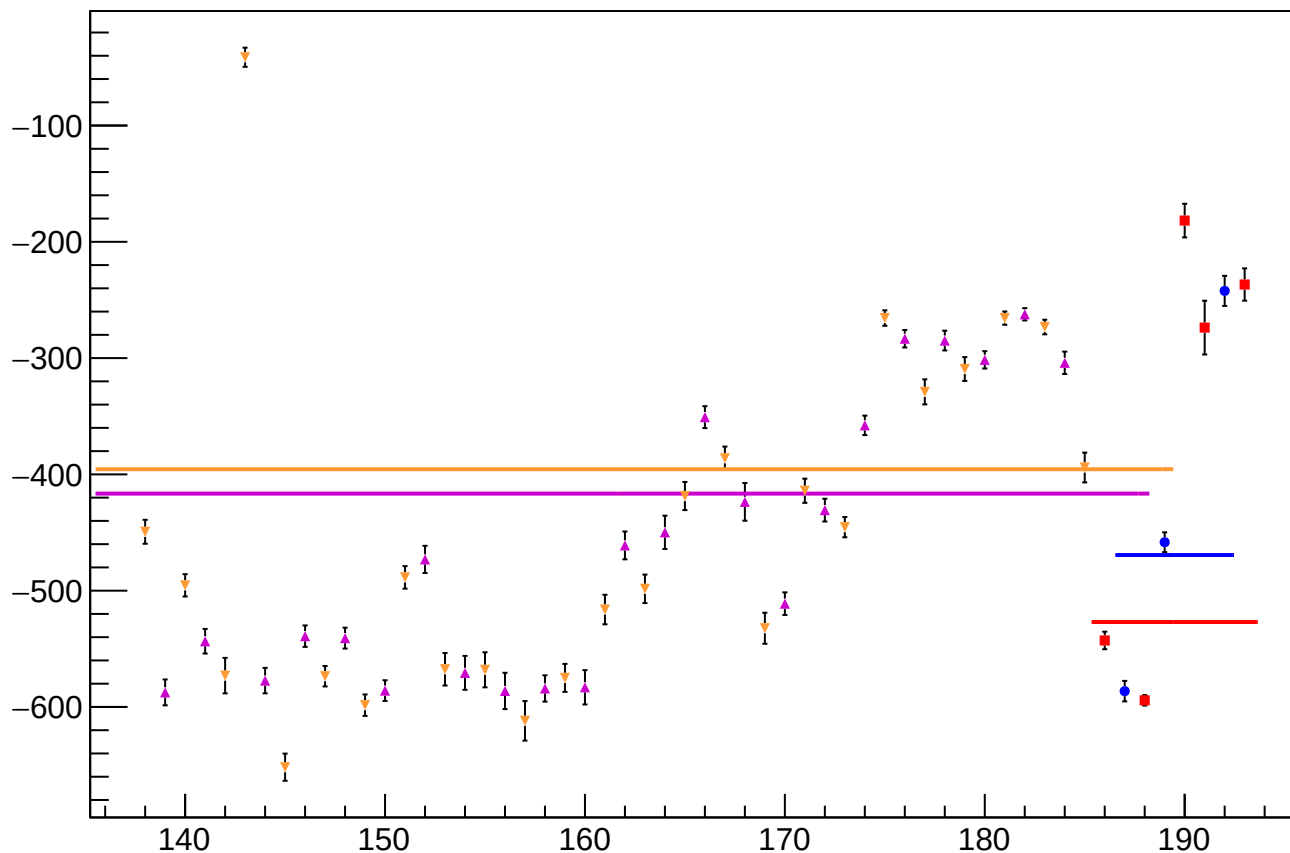
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -15.901 ± 0.019 χ^2/NDF : 941005.5/44

All: -15.971 ± 0.013 χ^2/NDF : 1808107.8/91

- sign -16.042 ± 0.019 χ^2/NDF : 867074.5/46

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -469.349 ± 5.540 $\chi^2/\text{NDF}: 485.6/2$

Left Out: -395.547 ± 1.953 $\chi^2/\text{NDF}: 5946.5/24$

Right Out: -526.945 ± 3.556 $\chi^2/\text{NDF}: 1355.7/4$

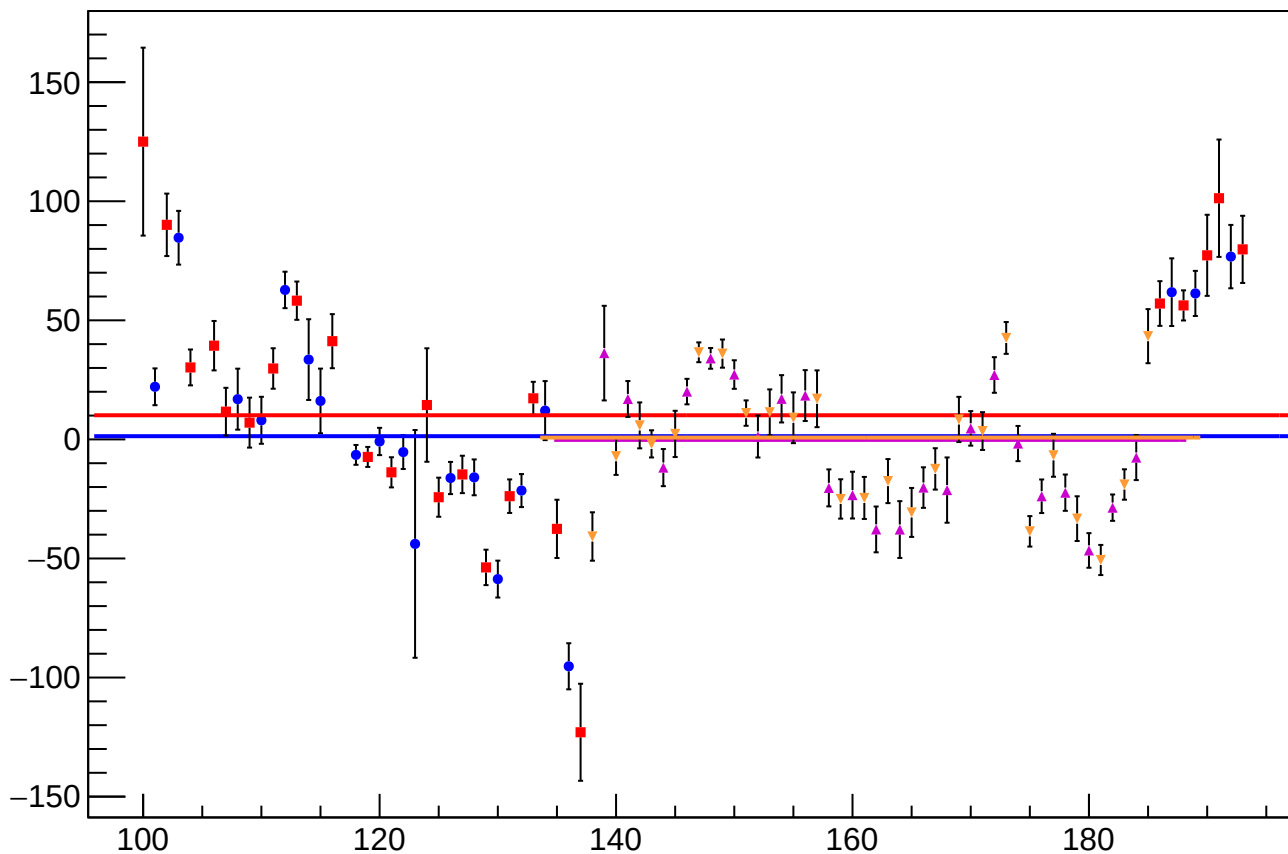
Left In: -416.521 ± 2.005 $\chi^2/\text{NDF}: 3917.0/22$

+ sign -403.709 ± 1.842 $\chi^2/\text{NDF}: 6590.0/27$

All: -424.484 ± 1.267 $\chi^2/\text{NDF}: 12835.8/55$

- sign -443.152 ± 1.746 $\chi^2/\text{NDF}: 6004.4/27$

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 1.351 ± 1.853 χ^2/NDF : 411.9/19

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 10.135 ± 1.772 χ^2/NDF : 456.6/23

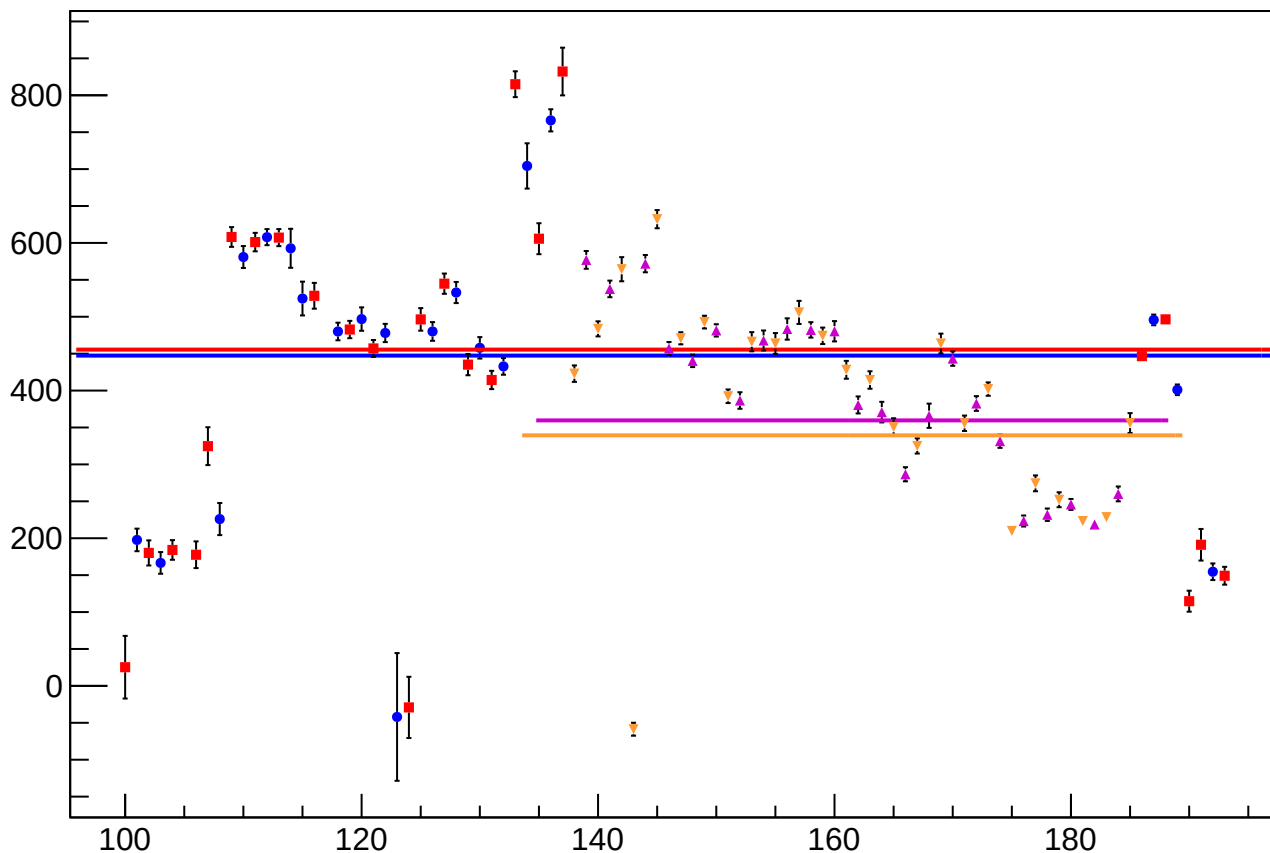
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign 0.999 ± 1.167 χ^2/NDF : 762.0/44

All: 2.666 ± 0.829 χ^2/NDF : 1502.5/91

- sign 4.362 ± 1.177 χ^2/NDF : 736.4/46

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 447.387 ± 2.881 $\chi^2/\text{NDF}: 2459.4/19$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 455.497 ± 2.248 $\chi^2/\text{NDF}: 3813.7/23$

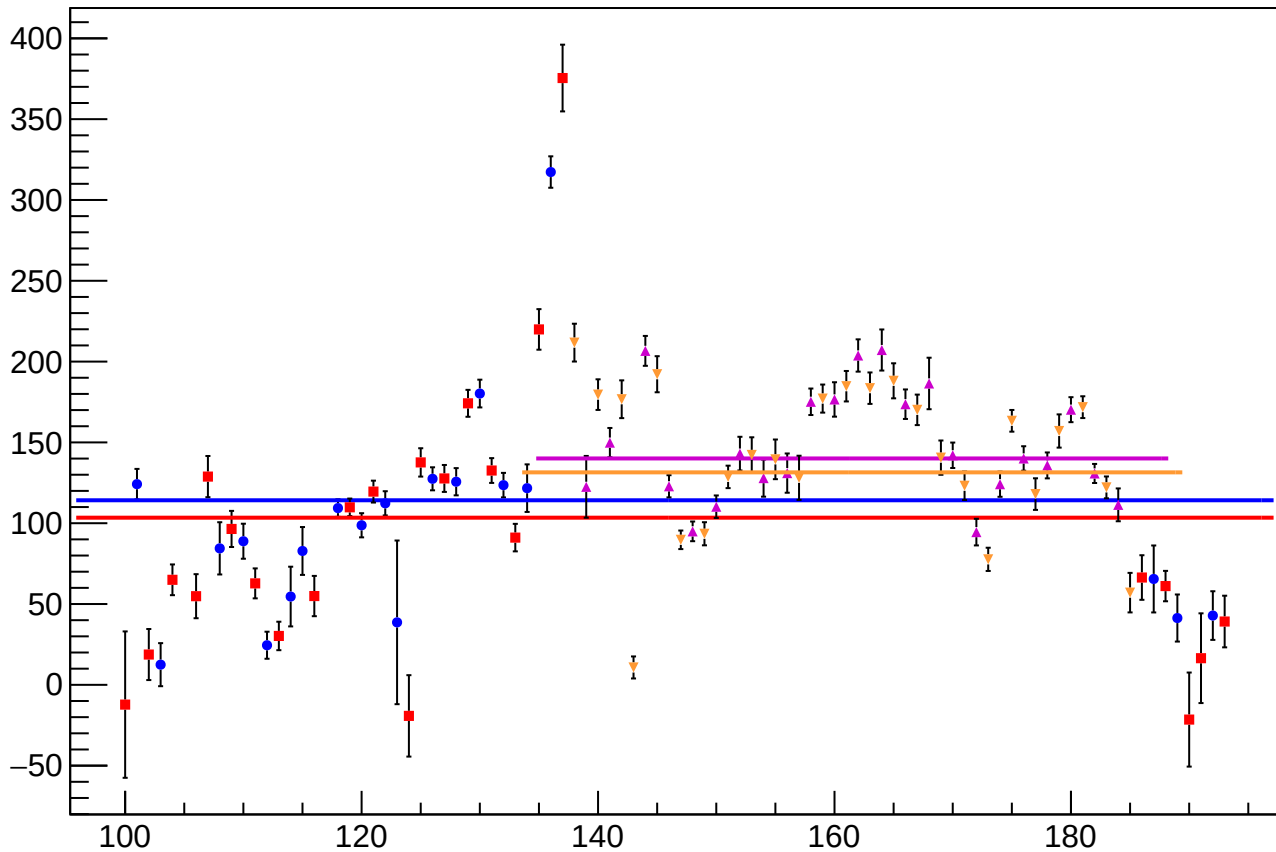
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 373.591 ± 1.622 $\chi^2/\text{NDF}: 8922.1/44$

All: 388.975 ± 1.099 $\chi^2/\text{NDF}: 17315.3/91$

- sign 402.045 ± 1.495 $\chi^2/\text{NDF}: 8226.8/46$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 114.196 ± 2.170 $\chi^2/\text{NDF}: 761.0/19$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 103.424 ± 2.095 $\chi^2/\text{NDF}: 646.9/23$

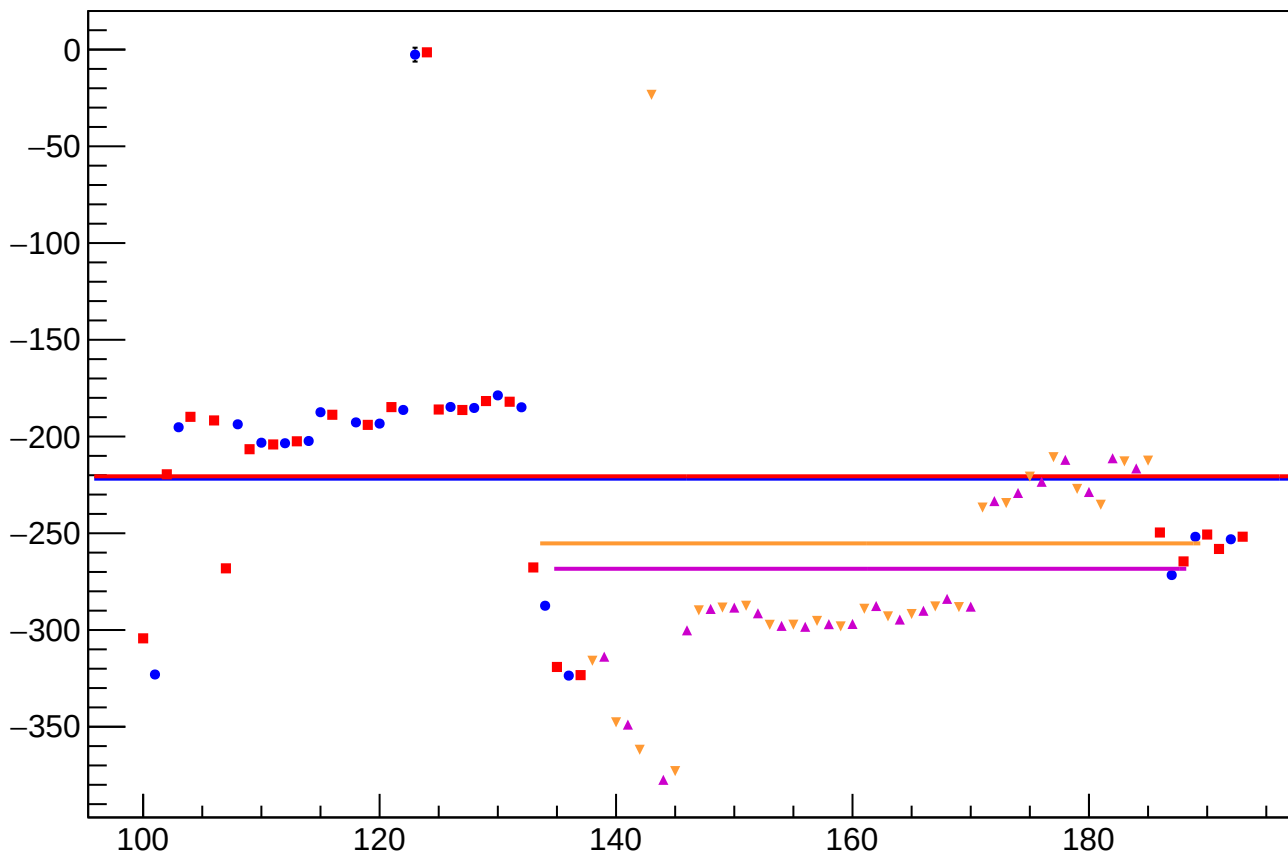
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 124.763 ± 1.351 $\chi^2/\text{NDF}: 1609.1/44$

All: 124.660 ± 0.960 $\chi^2/\text{NDF}: 2749.0/91$

- sign 124.555 ± 1.363 $\chi^2/\text{NDF}: 1139.8/46$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -221.777 ± 0.128 $\chi^2/\text{NDF}: 155816.2/19$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -220.554 ± 0.118 $\chi^2/\text{NDF}: 136234.2/23$

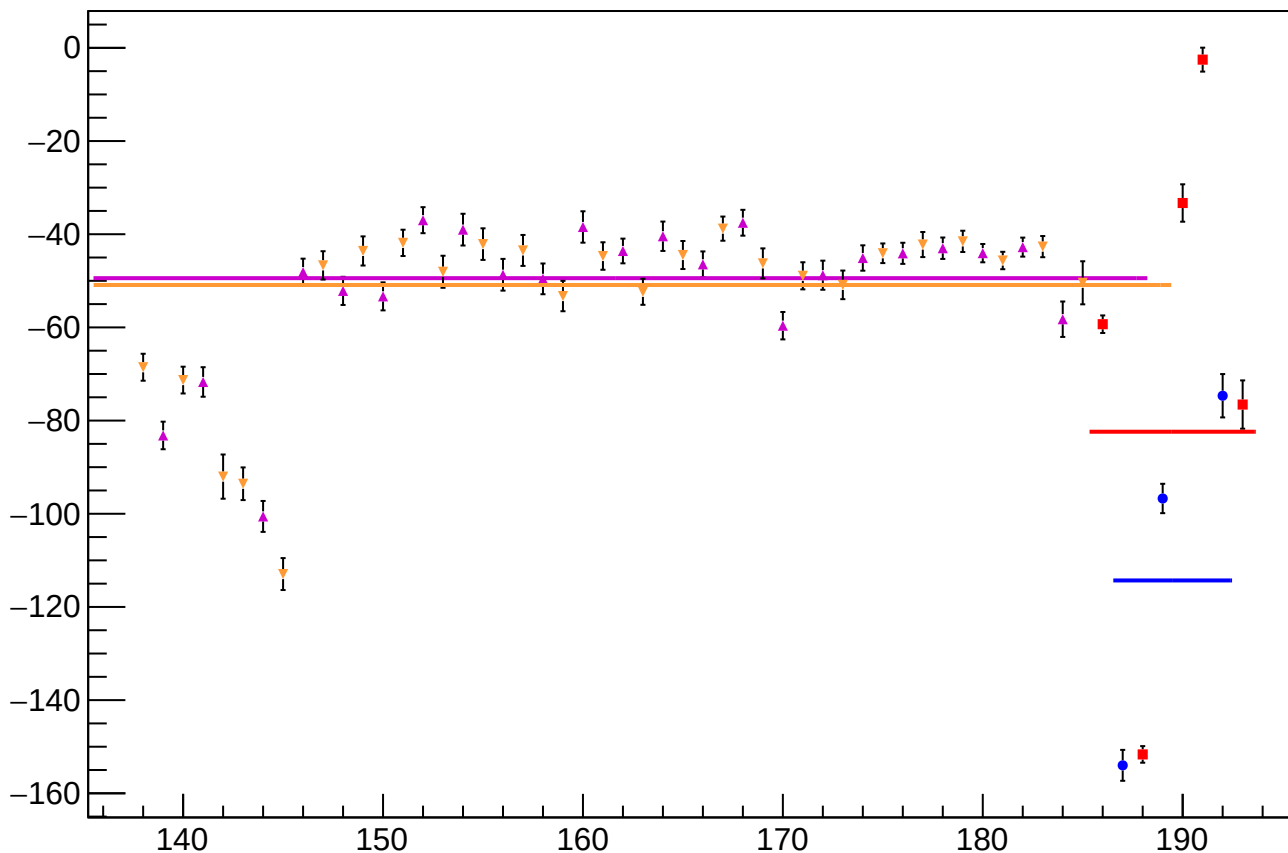
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.517 ± 0.069 $\chi^2/\text{NDF}: 932213.3/44$

All: -249.013 ± 0.049 $\chi^2/\text{NDF}: 1444824.9/91$

- sign -252.432 ± 0.068 $\chi^2/\text{NDF}: 507542.1/46$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -114.313 ± 2.051 χ^2/NDF : 246.9/2

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -82.391 ± 1.086 χ^2/NDF : 2780.9/4

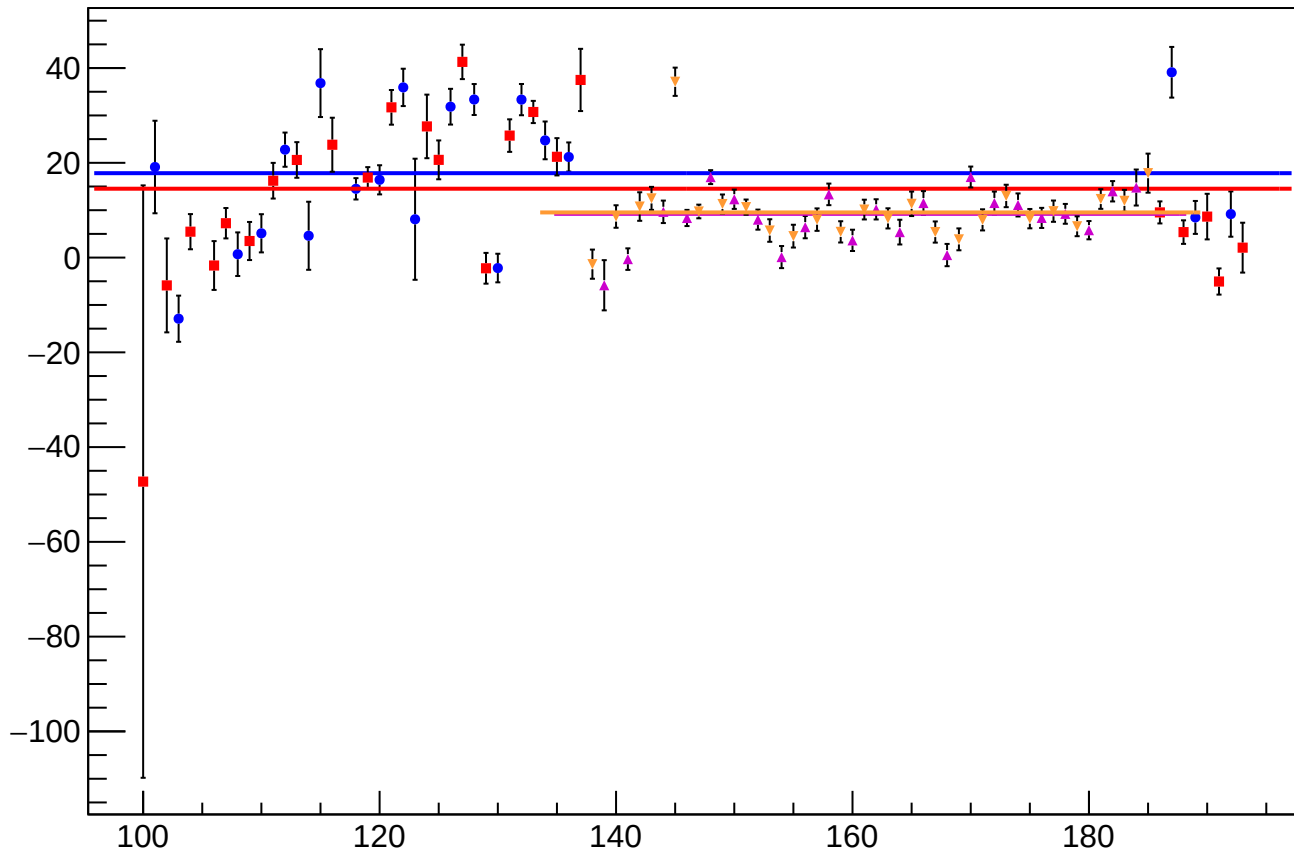
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -55.486 ± 0.552 χ^2/NDF : 1895.1/27

All: -56.200 ± 0.376 χ^2/NDF : 5936.8/55

- sign -56.821 ± 0.514 χ^2/NDF : 4038.6/27

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.814 $\pm$ 0.862 χ^2 /NDF: 233.1/19

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF:134.4/24

Right Out: 14.535 $\pm$ 0.726 χ^2 /NDF: 298.6/23

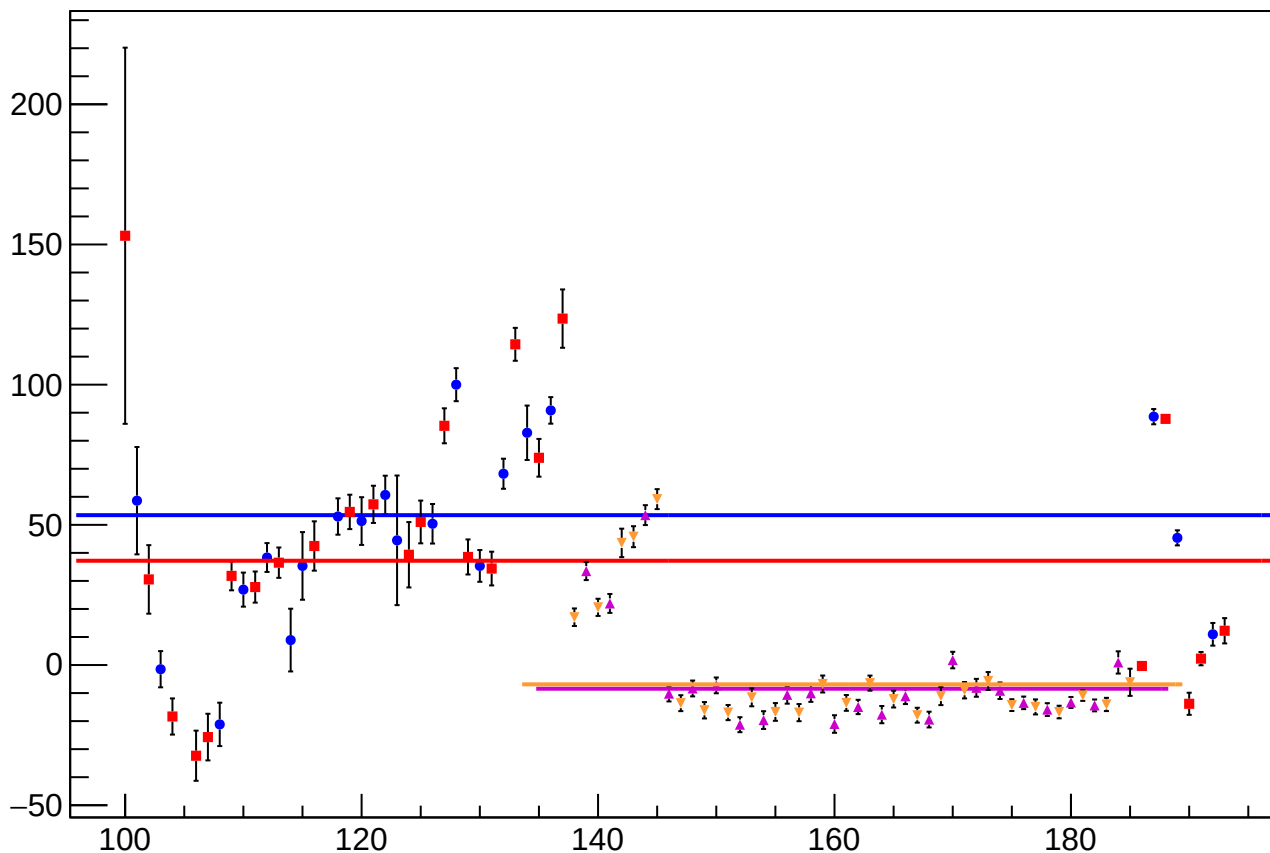
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF:124.0/22

+ sign 11.279 $\pm$ 0.396 χ^2 /NDF: 440.3/44

All: 11.015 $\pm$ 0.278 χ^2 /NDF: 901.8/91

- sign 10.758 $\pm$ 0.390 χ^2 /NDF: 460.6/46

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 53.453 $\pm$ 1.206 χ^2 /NDF: 650.1/19

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 37.198 $\pm$ 0.790 χ^2 /NDF: 2823.9/23

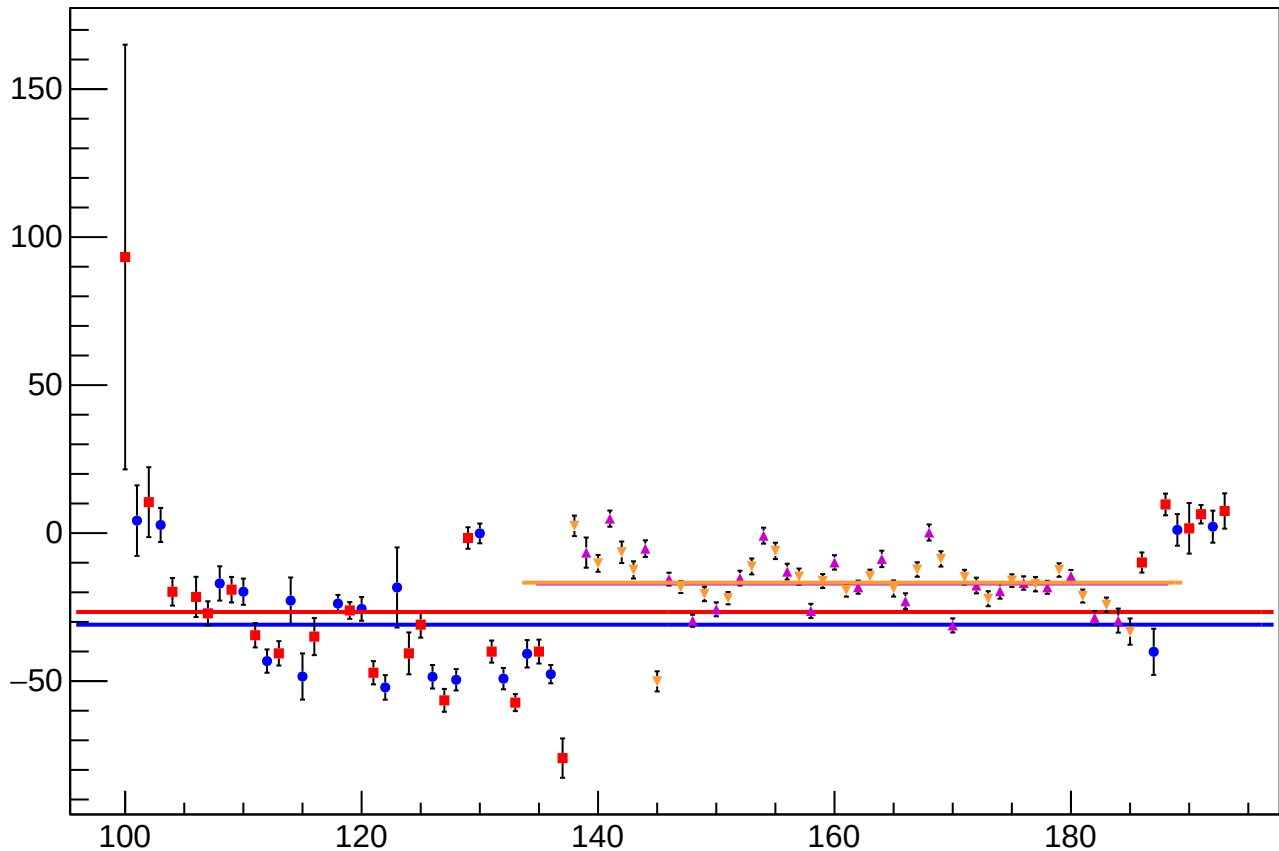
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign 4.161 $\pm$ 0.516 χ^2 /NDF: 3609.4/44

All: 6.010 $\pm$ 0.346 χ^2 /NDF: 9315.2/91

- sign 7.527 $\pm$ 0.467 χ^2 /NDF: 5682.4/46

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -30.941 ± 1.000 χ^2/NDF : 370.9/19

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -26.646 ± 0.870 χ^2/NDF : 646.0/23

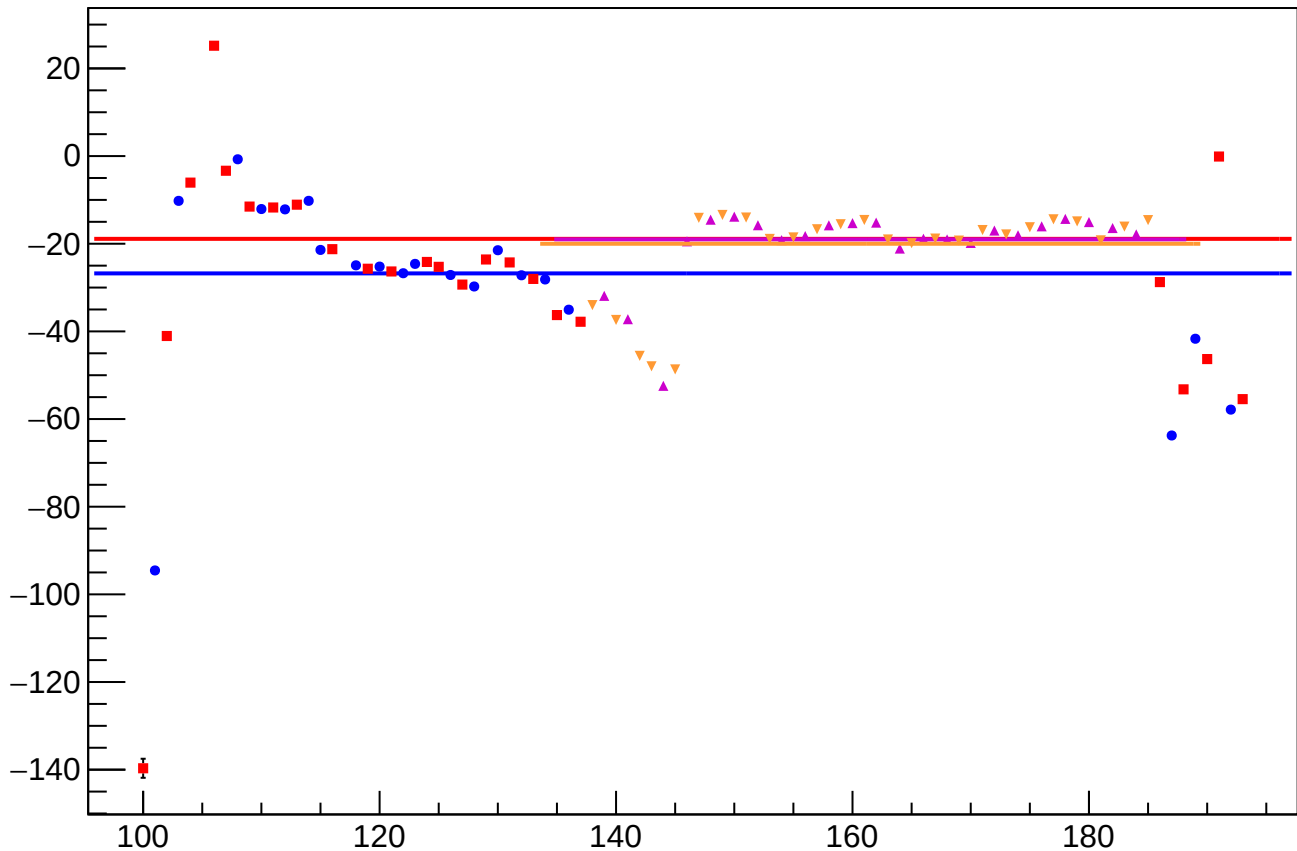
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.637 ± 0.452 χ^2/NDF : 754.9/44

All: -19.602 ± 0.318 χ^2/NDF : 1818.4/91

- sign -19.567 ± 0.448 χ^2/NDF : 1063.5/46

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -26.768 ± 0.054 χ^2/NDF : 101357.6/19

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -18.886 ± 0.043 χ^2/NDF : 218205.7/23

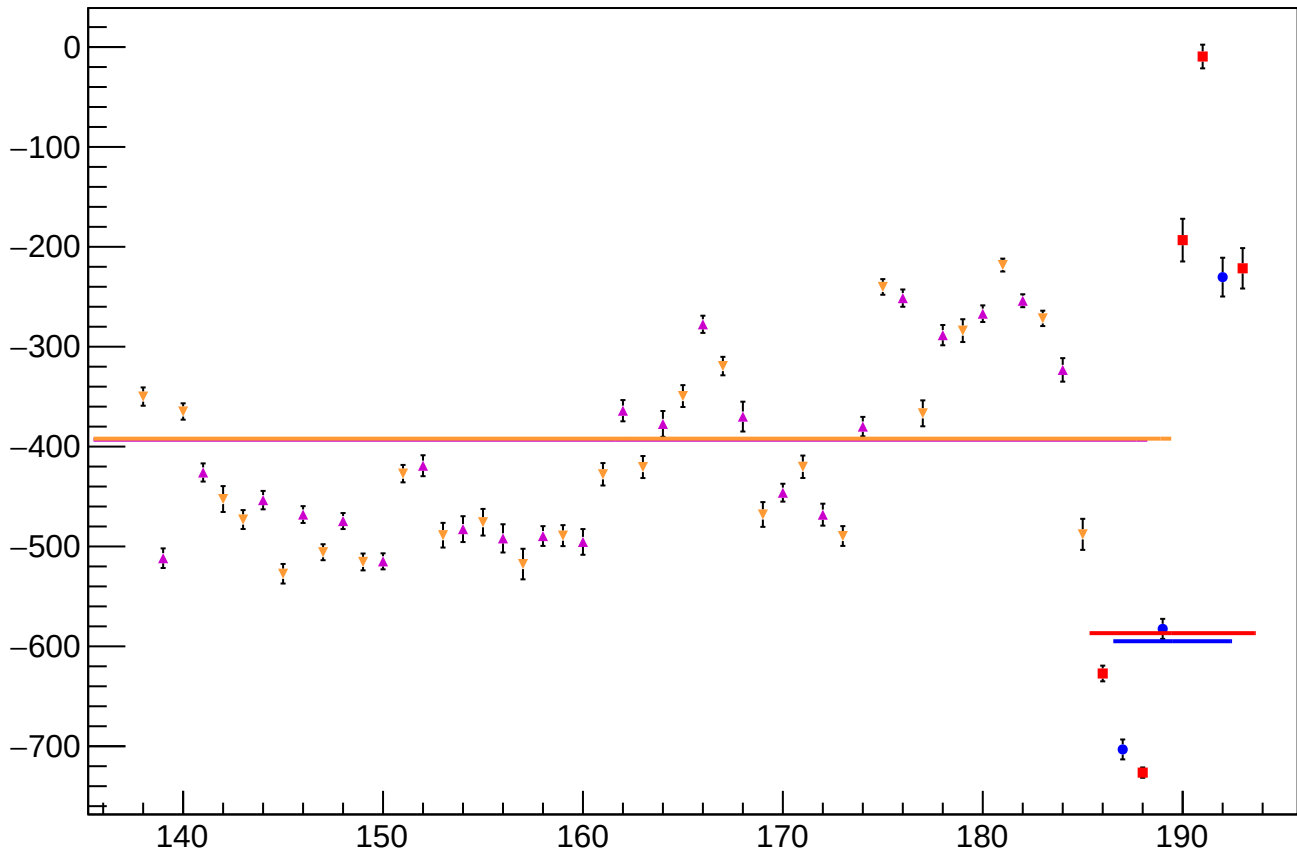
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -21.073 ± 0.021 χ^2/NDF : 260284.5/44

All: -19.997 ± 0.015 χ^2/NDF : 574302.8/91

- sign -18.980 ± 0.021 χ^2/NDF : 309085.0/46

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -594.875 $\pm$ 6.634 χ^2 /NDF: 472.3/2

Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF: 2717.2/24

Right Out: -586.787 $\pm$ 3.916 χ^2 /NDF: 3789.4/4

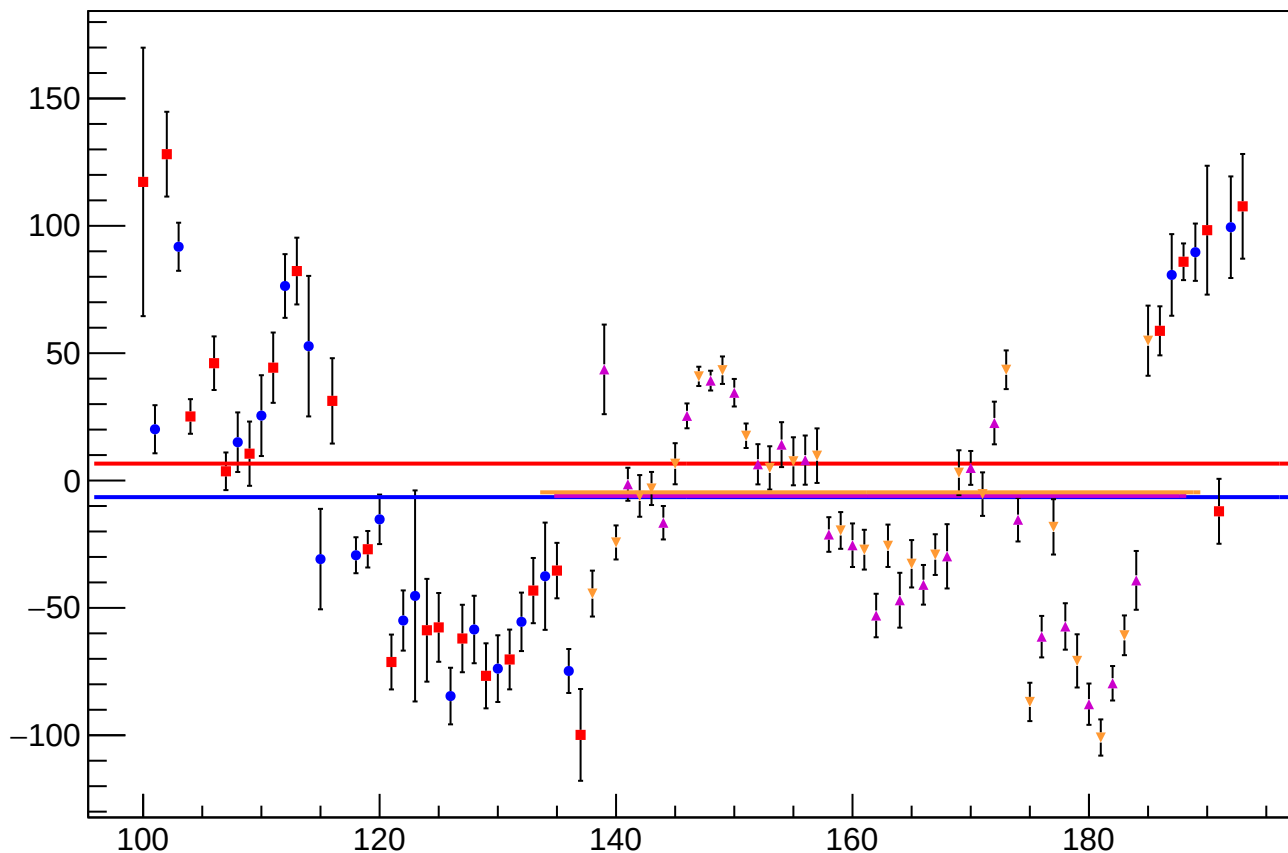
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF: 2253.3/22

+ sign -408.436 $\pm$ 1.885 χ^2 /NDF: 4048.6/27

All: -421.579 $\pm$ 1.296 χ^2 /NDF: 12121.3/55

- sign -433.359 $\pm$ 1.785 χ^2 /NDF: 7980.6/27

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -6.516 ± 2.677 $\chi^2/\text{NDF}: 507.9/19$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 6.646 ± 2.314 $\chi^2/\text{NDF}: 597.0/23$

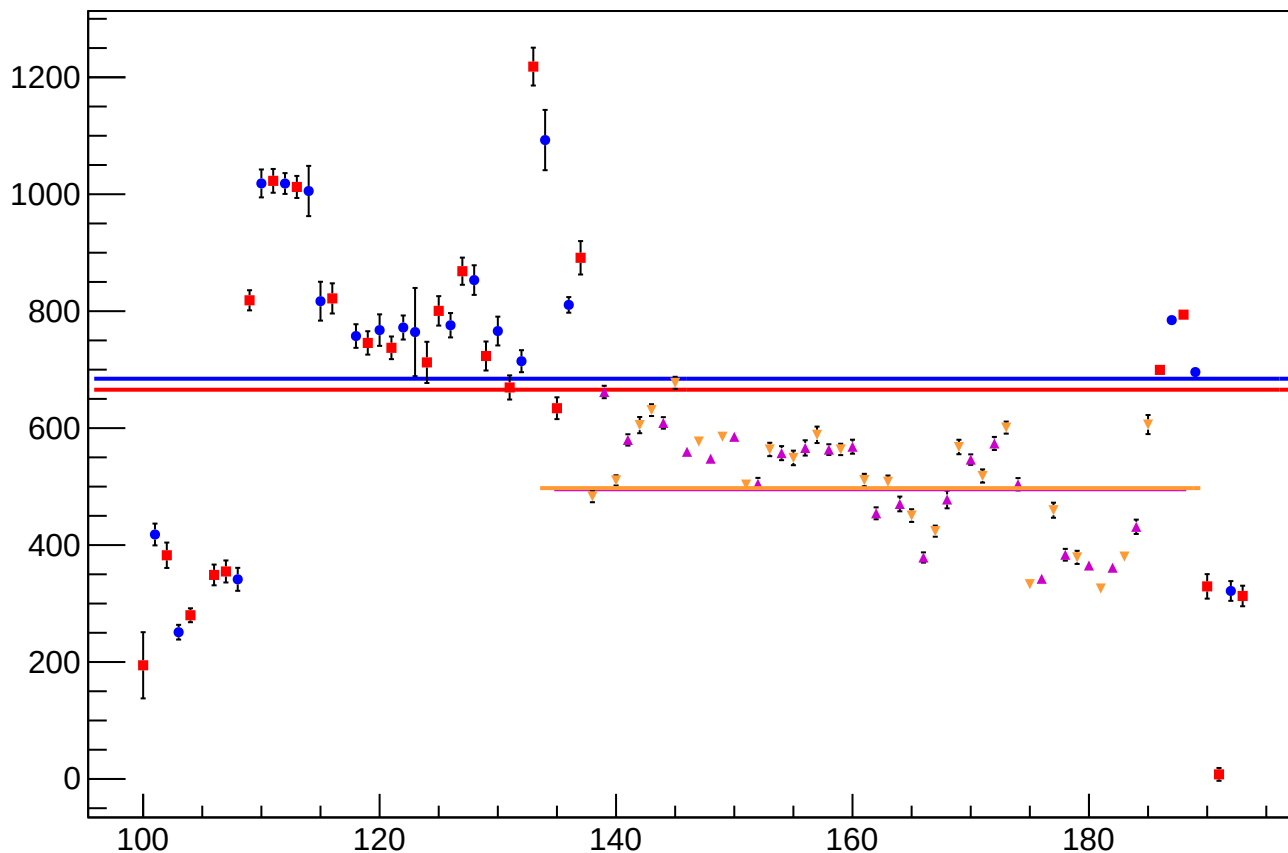
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign -5.059 ± 1.283 $\chi^2/\text{NDF}: 1281.1/44$

All: -3.620 ± 0.902 $\chi^2/\text{NDF}: 2555.7/91$

- sign -2.214 ± 1.268 $\chi^2/\text{NDF}: 1272.0/46$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 684.498 ± 3.733 χ^2/NDF : 3198.8/19

Left Out: 497.381 ± 1.966 χ^2/NDF : 2614.6/24

Right Out: 665.698 ± 2.662 χ^2/NDF : 8370.8/23

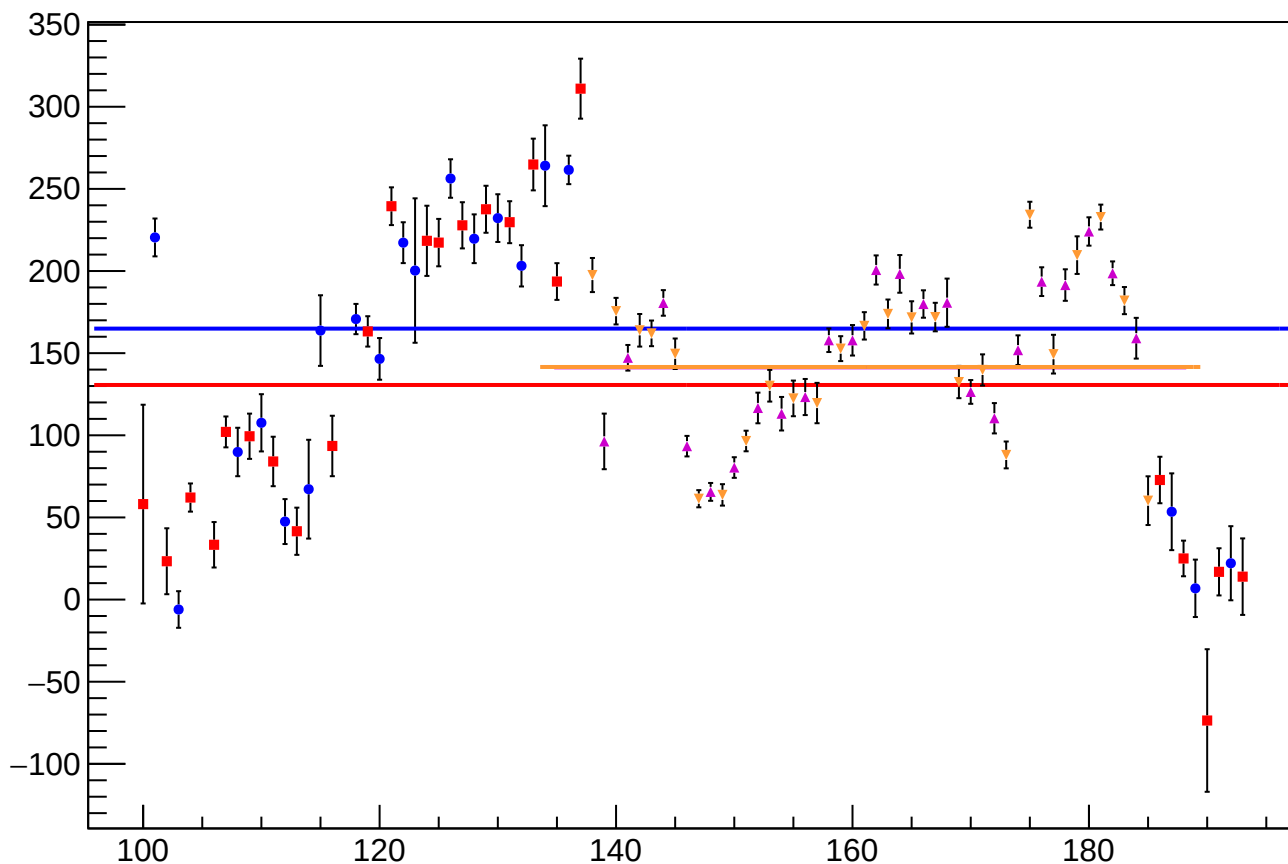
Left In: 495.454 ± 1.992 χ^2/NDF : 2253.8/22

+ sign 538.010 ± 1.739 χ^2/NDF : 7780.4/44

All: 548.095 ± 1.176 χ^2/NDF : 21088.7/91

- sign 556.574 ± 1.595 χ^2/NDF : 13246.4/46

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 164.947 ± 3.131 $\chi^2/\text{NDF}: 790.7/19$

Left Out: 141.588 ± 1.698 $\chi^2/\text{NDF}: 959.6/24$

Right Out: 130.634 ± 2.790 $\chi^2/\text{NDF}: 952.3/23$

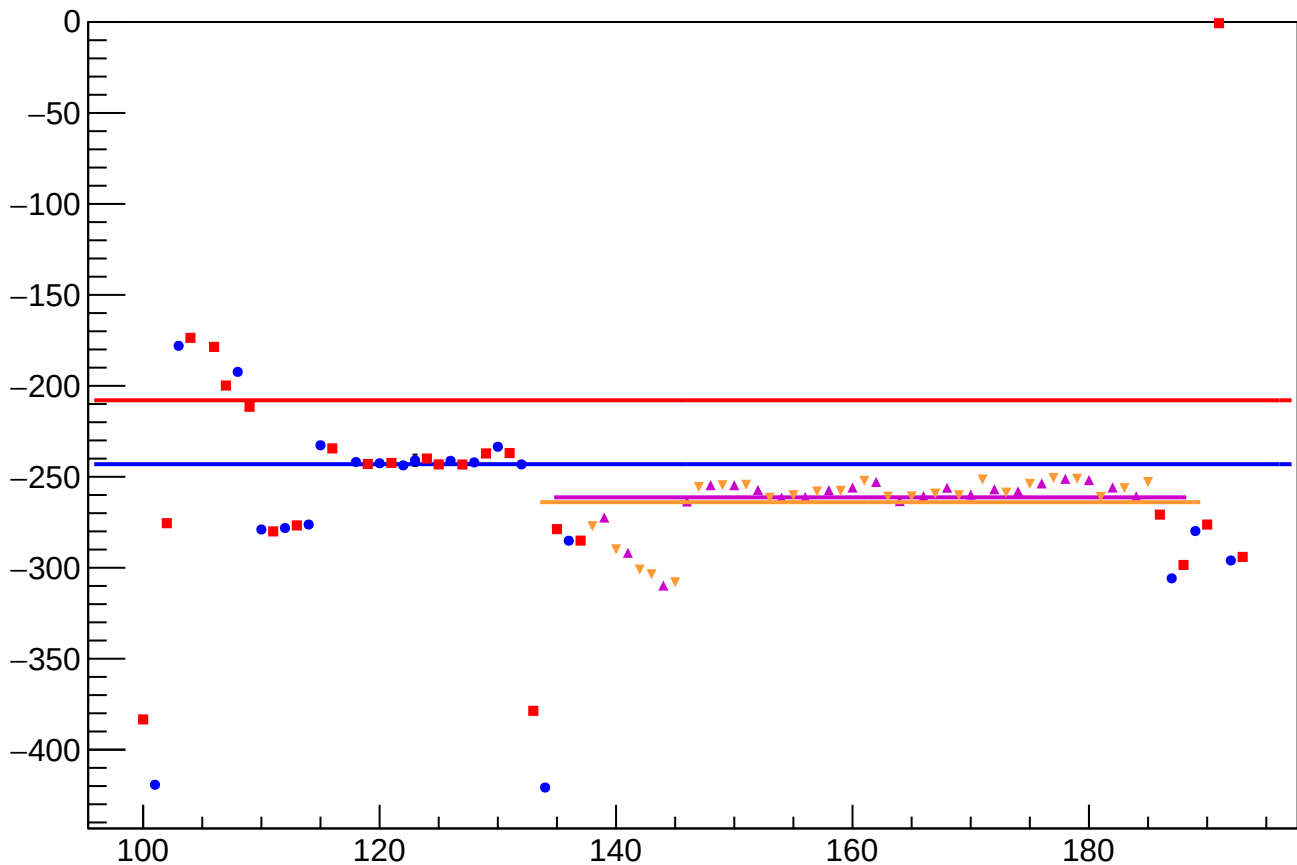
Left In: 141.360 ± 1.748 $\chi^2/\text{NDF}: 741.2/22$

+ sign 146.900 ± 1.493 $\chi^2/\text{NDF}: 1793.3/44$

All: 142.584 ± 1.051 $\chi^2/\text{NDF}: 3514.0/91$

- sign 138.337 ± 1.481 $\chi^2/\text{NDF}: 1704.1/46$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -243.062 ± 0.153 χ^2/NDF : 177559.7/19

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -207.954 ± 0.133 χ^2/NDF : 439970.0/23

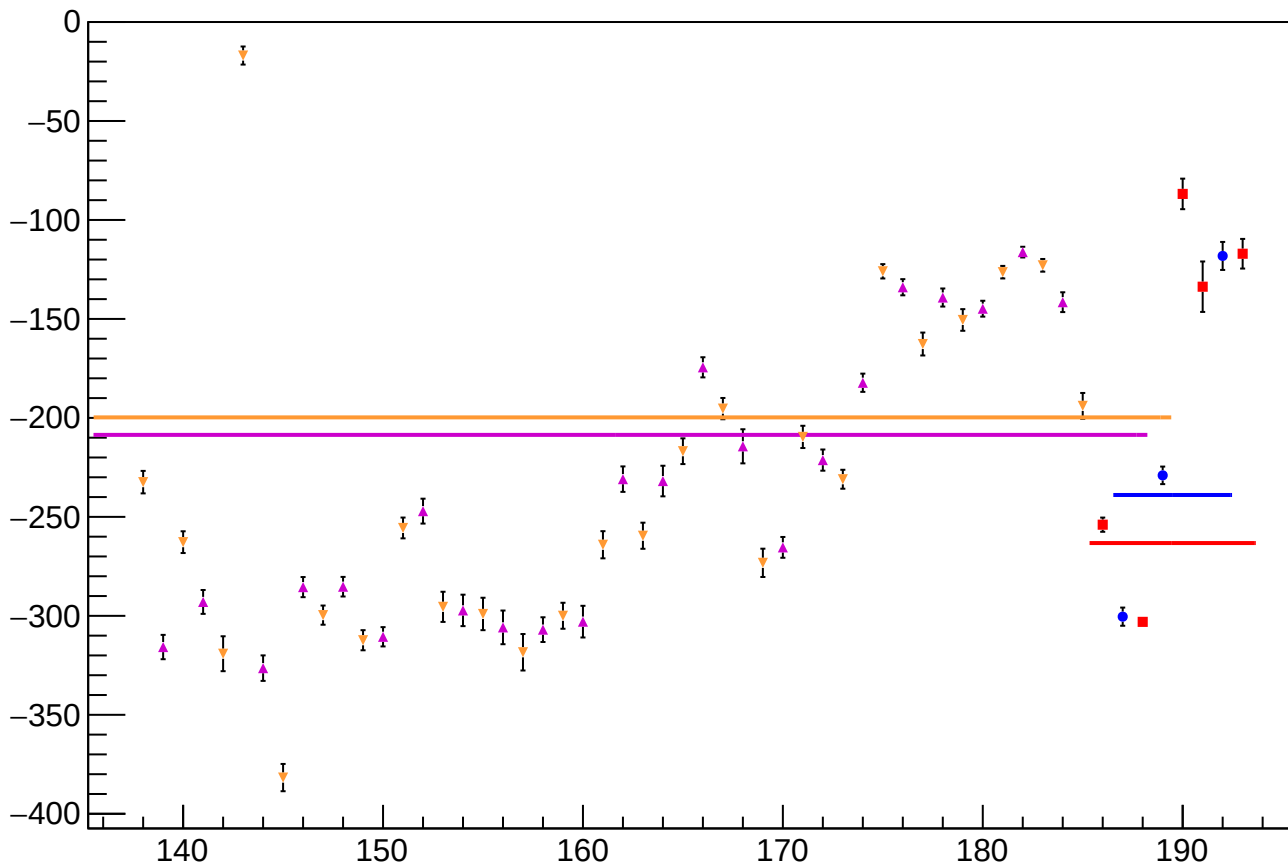
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -259.357 ± 0.072 χ^2/NDF : 231153.7/44

All: -252.808 ± 0.050 χ^2/NDF : 827110.3/91

- sign -246.615 ± 0.070 χ^2/NDF : 579758.2/46

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -238.942 ± 2.907 χ^2/NDF : 475.4/2

Left Out: -199.741 ± 1.061 χ^2/NDF : 6361.5/24

Right Out: -263.226 ± 1.837 χ^2/NDF : 1295.6/4

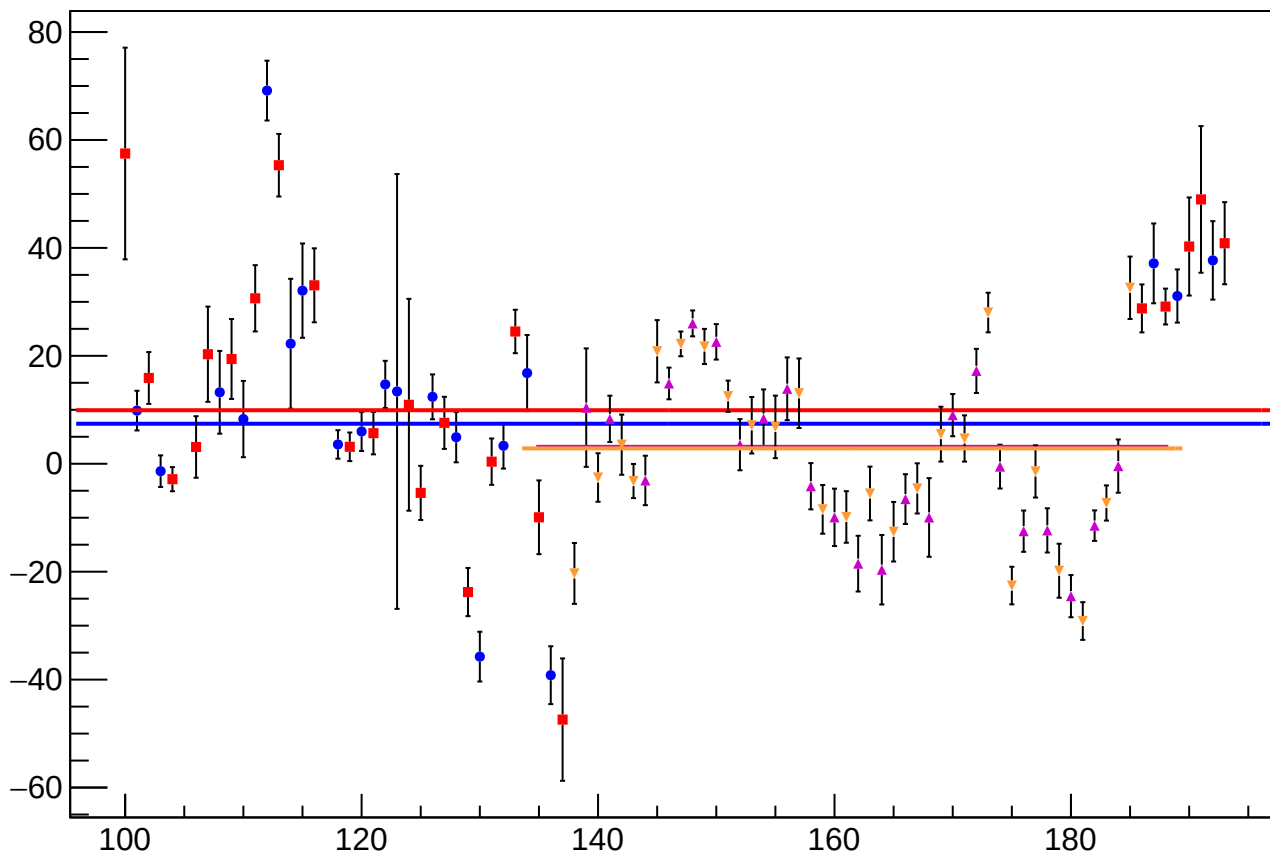
Left In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

+ sign -204.349 ± 0.997 χ^2/NDF : 6997.4/27

All: -214.115 ± 0.681 χ^2/NDF : 13935.0/55

- sign -222.661 ± 0.932 χ^2/NDF : 6757.6/27

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 7.416 $\pm$ 1.058 χ^2 /NDF: 372.8/19

Left Out: 2.853 $\pm$ 0.820 χ^2 /NDF: 419.8/24

Right Out: 9.921 $\pm$ 0.976 χ^2 /NDF: 342.3/23

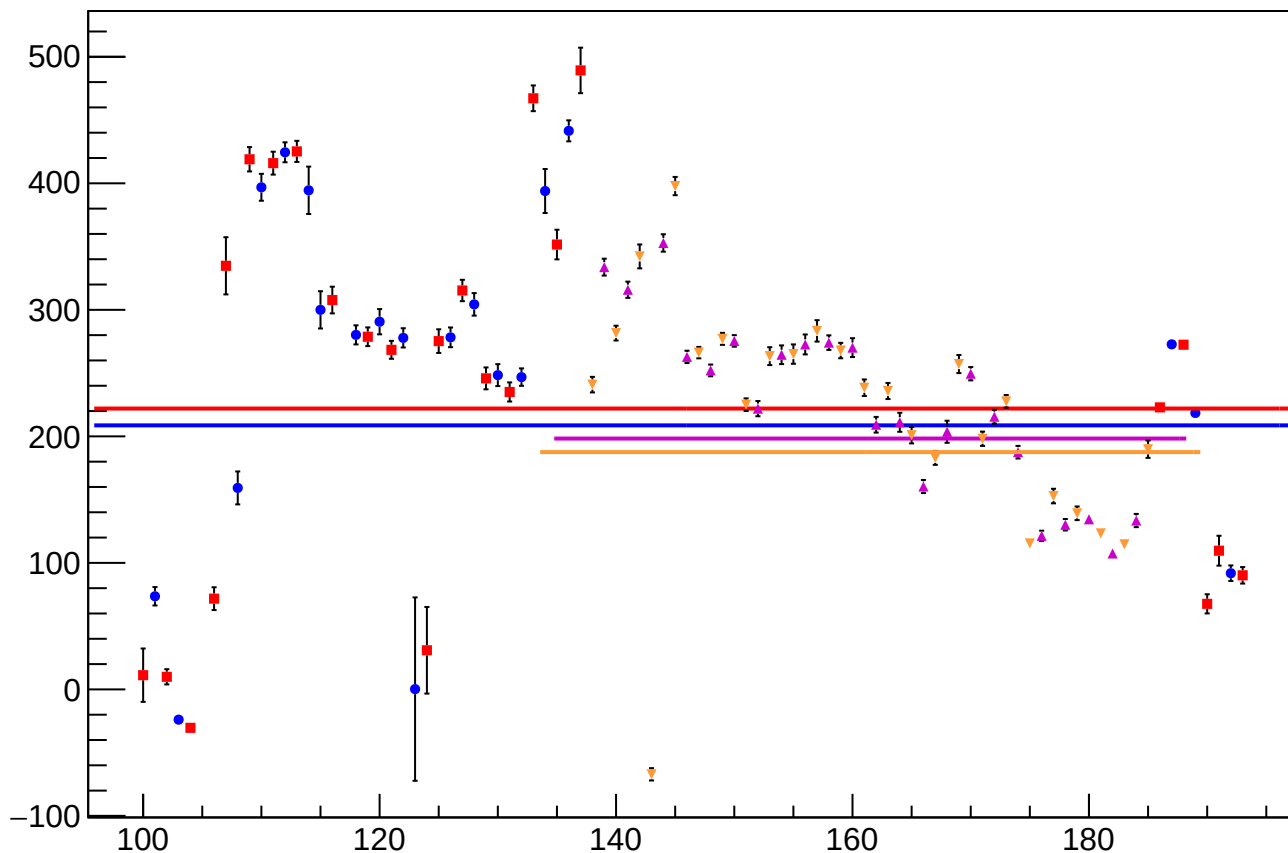
Left In: 3.136 $\pm$ 0.857 χ^2 /NDF: 319.8/22

+ sign 4.566 $\pm$ 0.648 χ^2 /NDF: 804.3/44

All: 5.332 $\pm$ 0.457 χ^2 /NDF: 1496.4/91

- sign 6.088 $\pm$ 0.644 χ^2 /NDF: 689.4/46

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 208.691 $\pm$ 1.540 χ^2 /NDF: 7390.8/19

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 221.985 $\pm$ 1.184 χ^2 /NDF: 10058.0/23

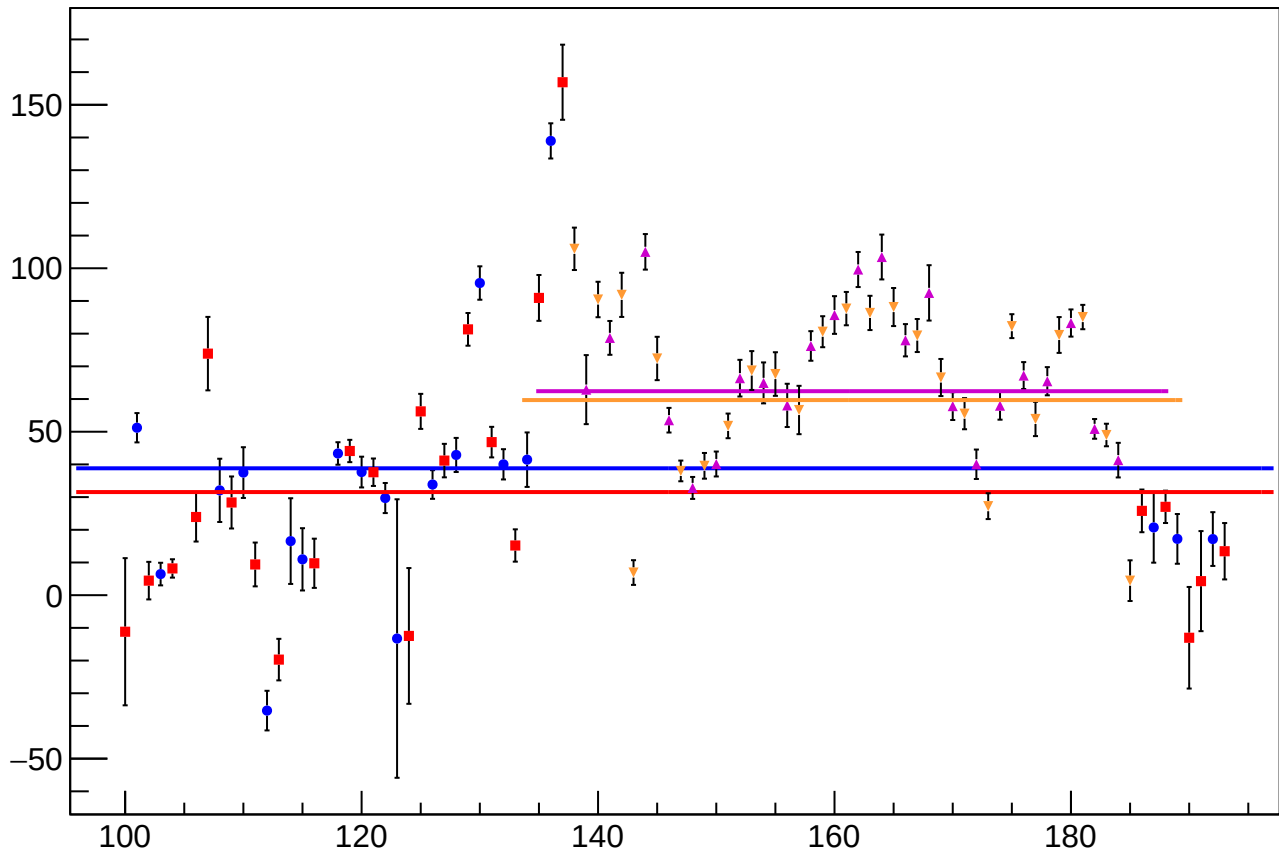
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 194.407 $\pm$ 0.876 χ^2 /NDF: 14600.1/44

All: 202.414 $\pm$ 0.590 χ^2 /NDF: 29545.4/91

- sign 209.060 $\pm$ 0.798 χ^2 /NDF: 14792.5/46

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 38.811 ± 1.245 χ^2/NDF : 752.9/19

Left Out: 59.682 ± 0.941 χ^2/NDF : 757.6/24

Right Out: 31.542 ± 1.176 χ^2/NDF : 568.4/23

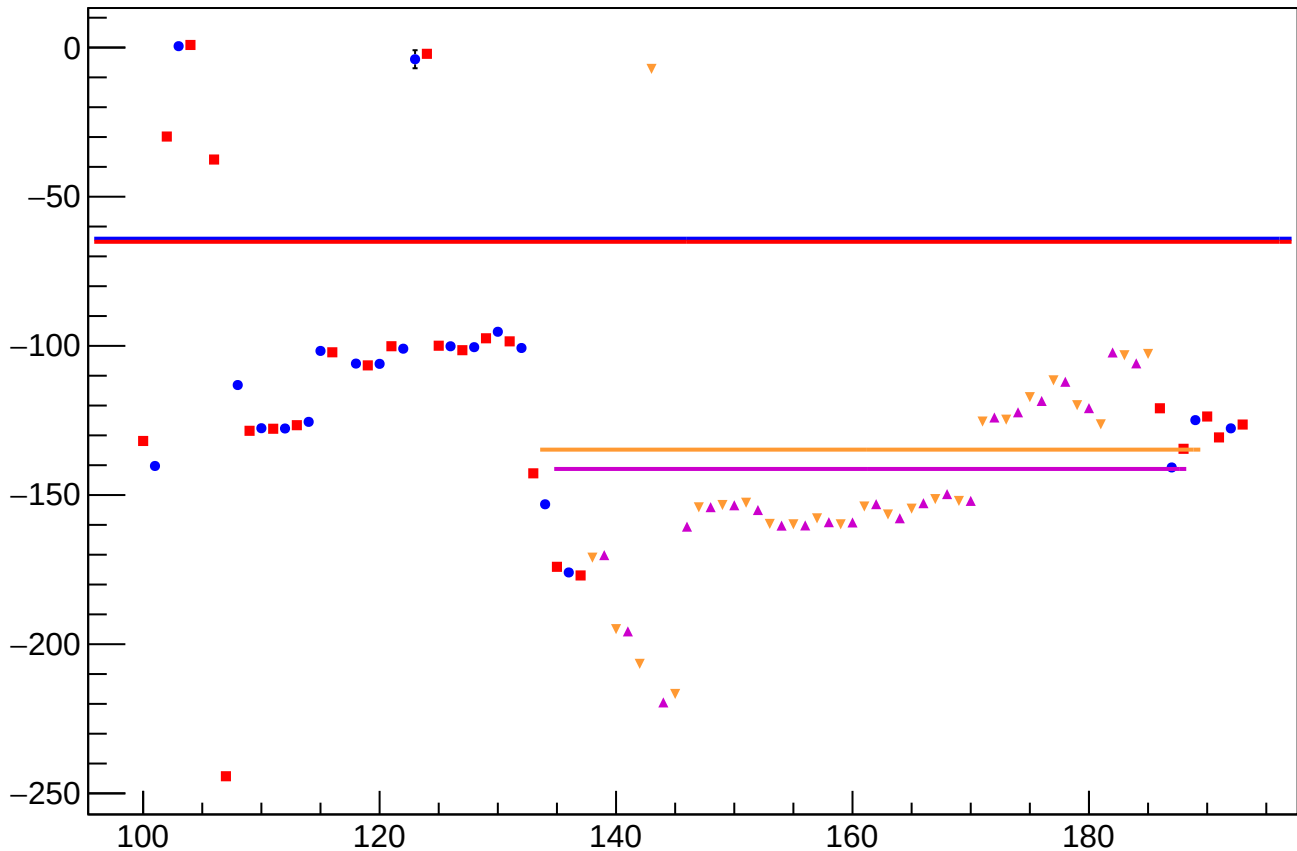
Left In: 62.400 ± 0.974 χ^2/NDF : 406.3/22

+ sign 52.093 ± 0.750 χ^2/NDF : 1689.5/44

All: 50.964 ± 0.531 χ^2/NDF : 3077.2/91

- sign 49.836 ± 0.750 χ^2/NDF : 1383.2/46

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -64.072 ± 0.059 $\chi^2/\text{NDF}: 1217269.9/19$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -65.110 ± 0.056 $\chi^2/\text{NDF}: 1212412.2/23$

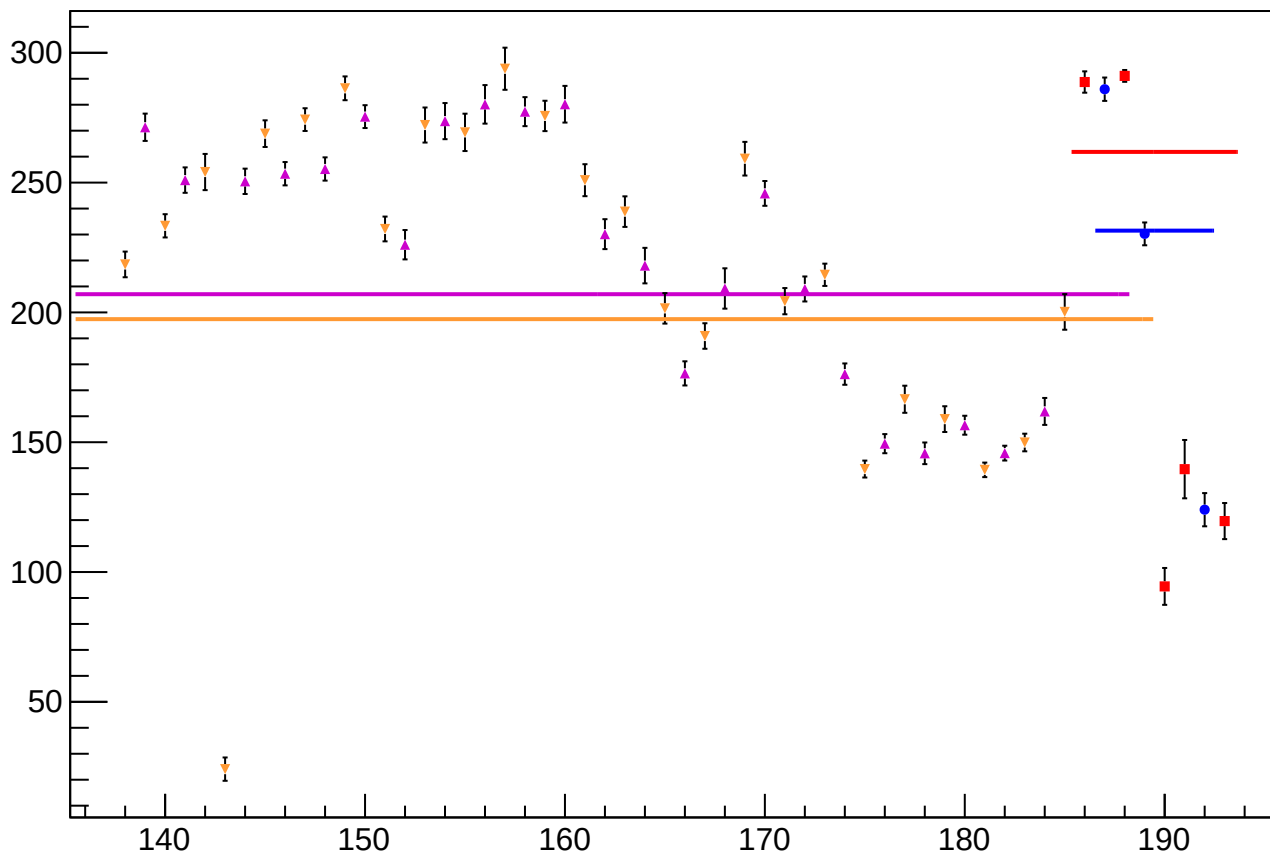
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -109.135 ± 0.036 $\chi^2/\text{NDF}: 2937601.1/44$

All: -110.123 ± 0.025 $\chi^2/\text{NDF}: 5618448.1/91$

- sign -111.093 ± 0.035 $\chi^2/\text{NDF}: 2679314.2/46$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 231.498 ± 2.821 $\chi^2/\text{NDF}: 429.1/2$

Left Out: 197.408 ± 0.963 $\chi^2/\text{NDF}: 4384.2/24$

Right Out: 261.826 ± 1.825 $\chi^2/\text{NDF}: 1299.8/4$

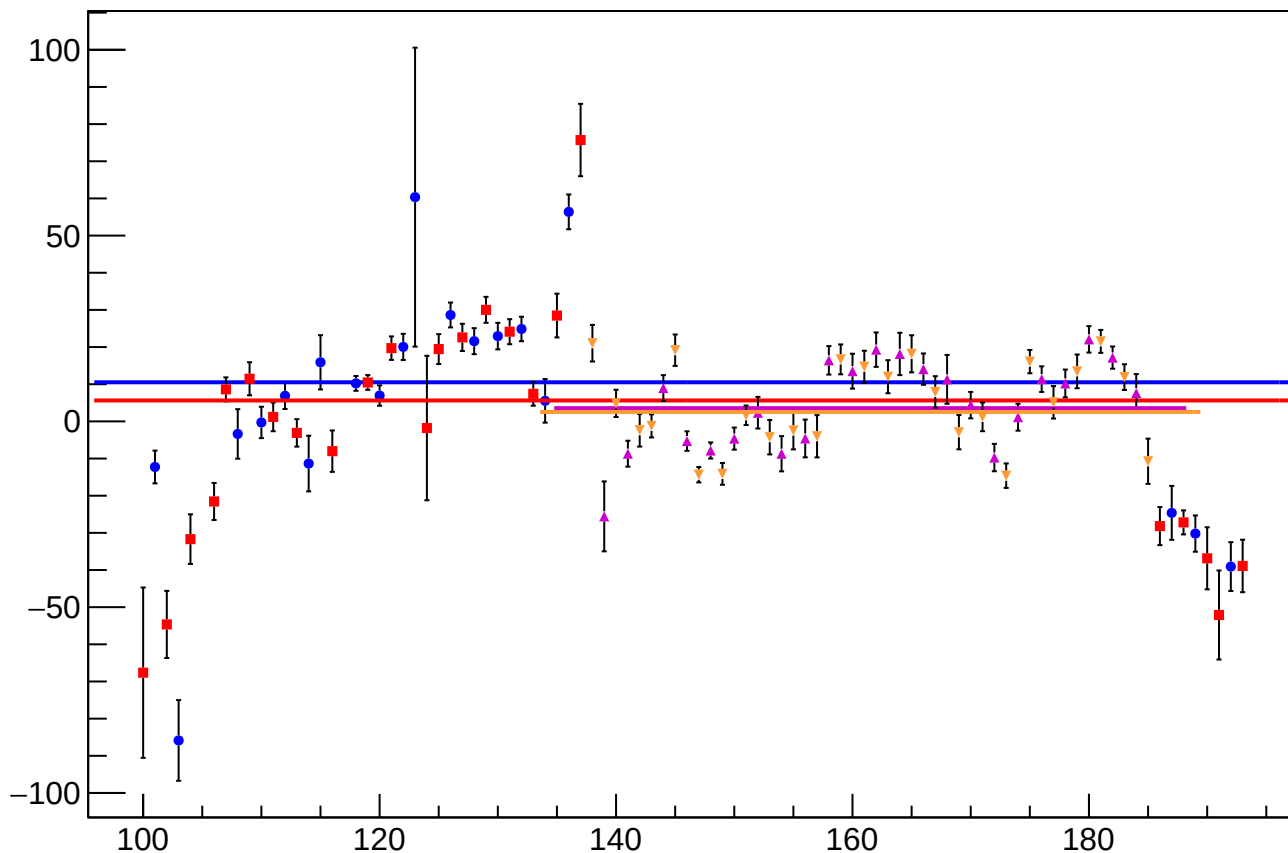
Left In: 207.014 ± 0.990 $\chi^2/\text{NDF}: 2611.5/22$

+ sign 200.964 ± 0.911 $\chi^2/\text{NDF}: 4944.1/27$

All: 210.645 ± 0.629 $\chi^2/\text{NDF}: 9767.9/55$

- sign 219.477 ± 0.870 $\chi^2/\text{NDF}: 4608.0/27$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 10.522 ± 0.905 $\chi^2/\text{NDF}: 454.3/19$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: 5.629 ± 0.854 $\chi^2/\text{NDF}: 571.8/23$

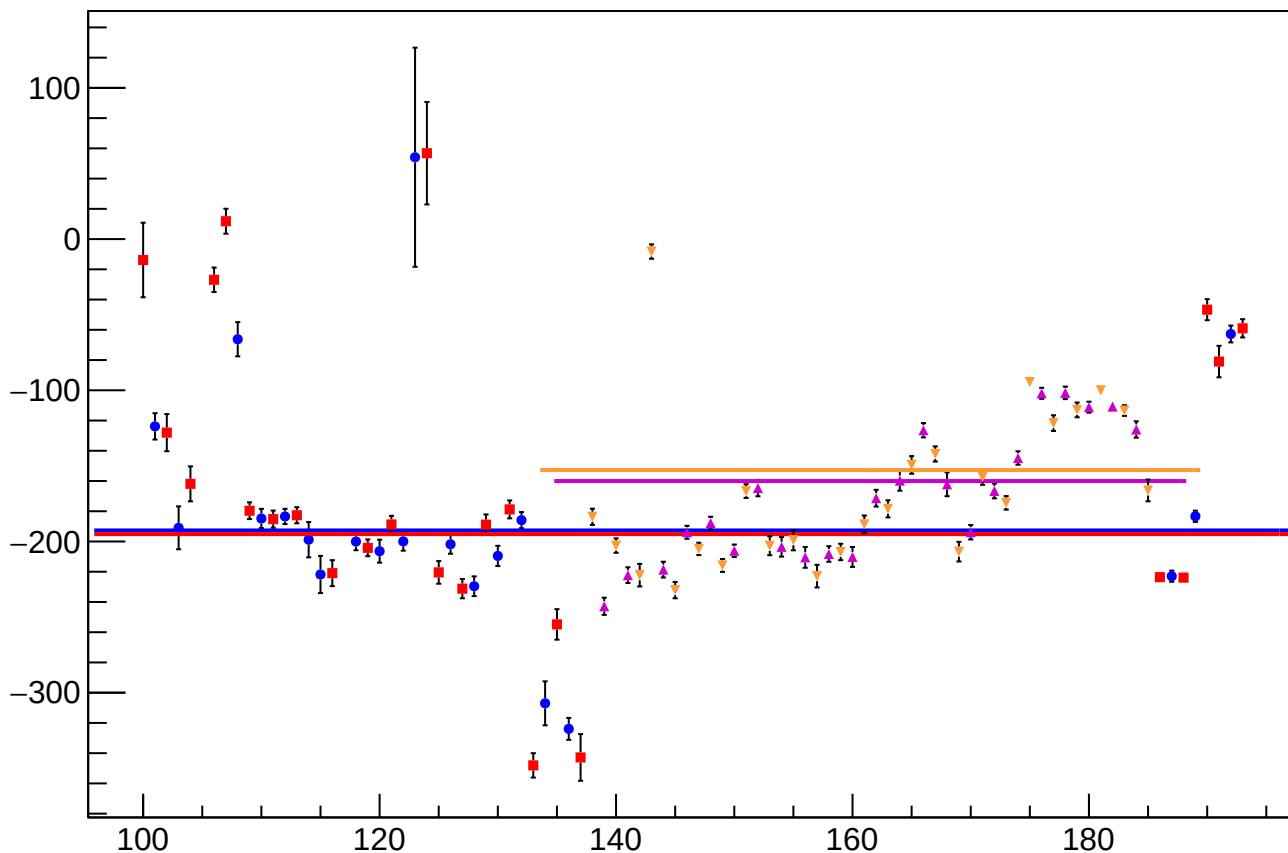
Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

+ sign 5.747 ± 0.573 $\chi^2/\text{NDF}: 776.2/44$

All: 5.120 ± 0.405 $\chi^2/\text{NDF}: 1545.6/91$

- sign 4.493 ± 0.574 $\chi^2/\text{NDF}: 767.0/46$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -192.691 ± 1.433 χ^2/NDF : 1267.0/19

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -195.134 ± 1.124 χ^2/NDF : 3176.7/23

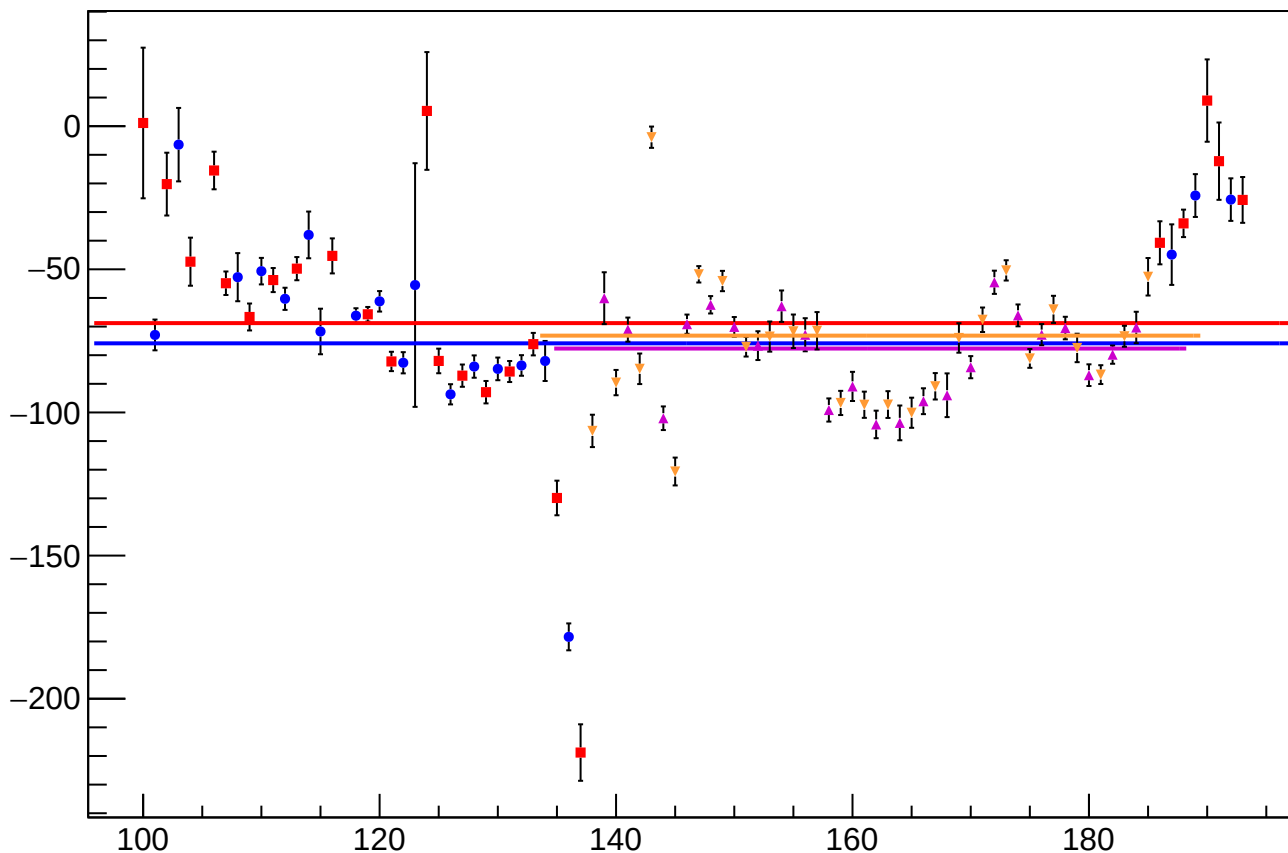
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -165.233 ± 0.802 χ^2/NDF : 4878.7/44

All: -170.669 ± 0.545 χ^2/NDF : 10715.2/91

- sign -175.333 ± 0.742 χ^2/NDF : 5751.0/46

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -75.857 ± 1.056 χ^2/NDF : 756.9/19

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -68.792 ± 1.006 χ^2/NDF : 760.4/23

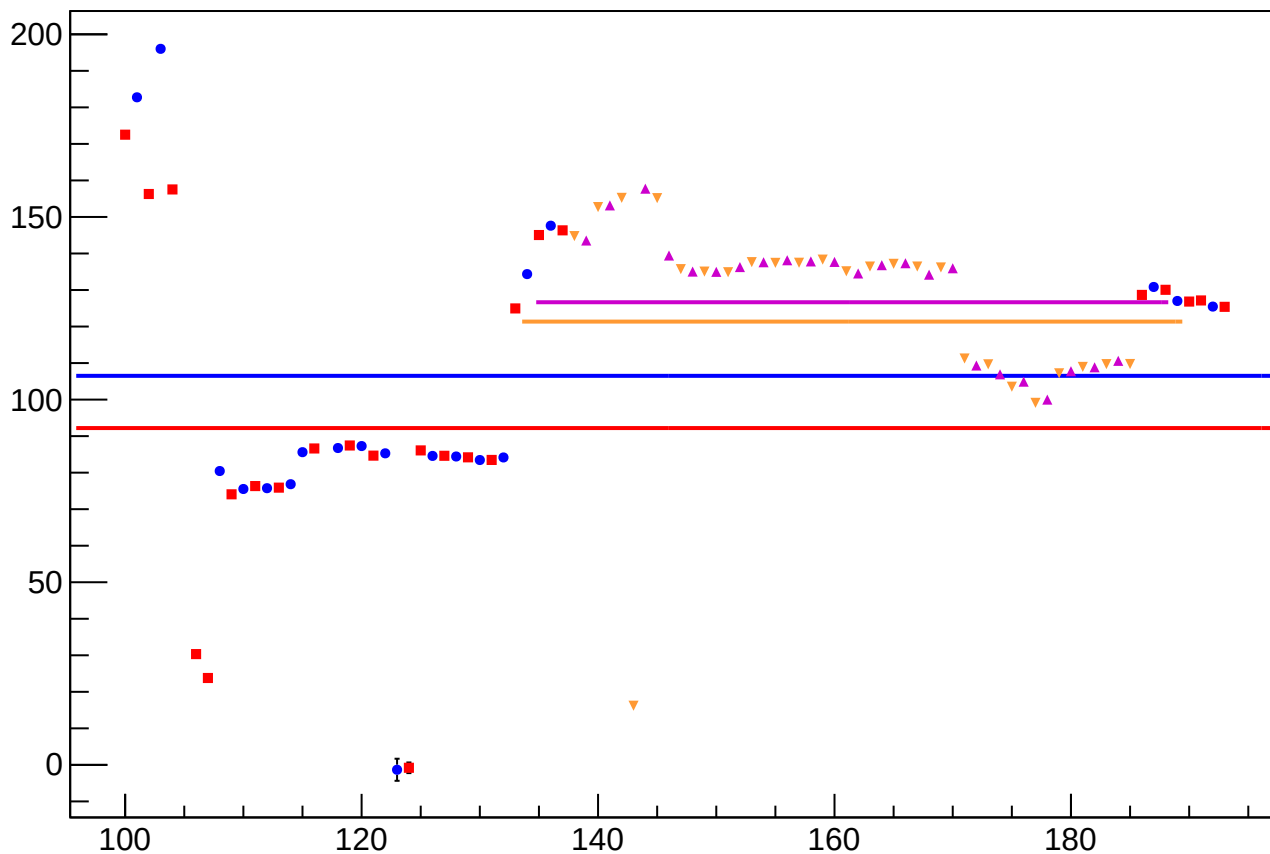
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -74.225 ± 0.663 χ^2/NDF : 1549.5/44

All: -74.019 ± 0.469 χ^2/NDF : 2602.4/91

- sign -73.813 ± 0.664 χ^2/NDF : 1052.7/46

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 106.505 $\pm$ 0.066 χ^2 /NDF: 286195.6/19

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 92.208 $\pm$ 0.058 χ^2 /NDF: 497625.6/23

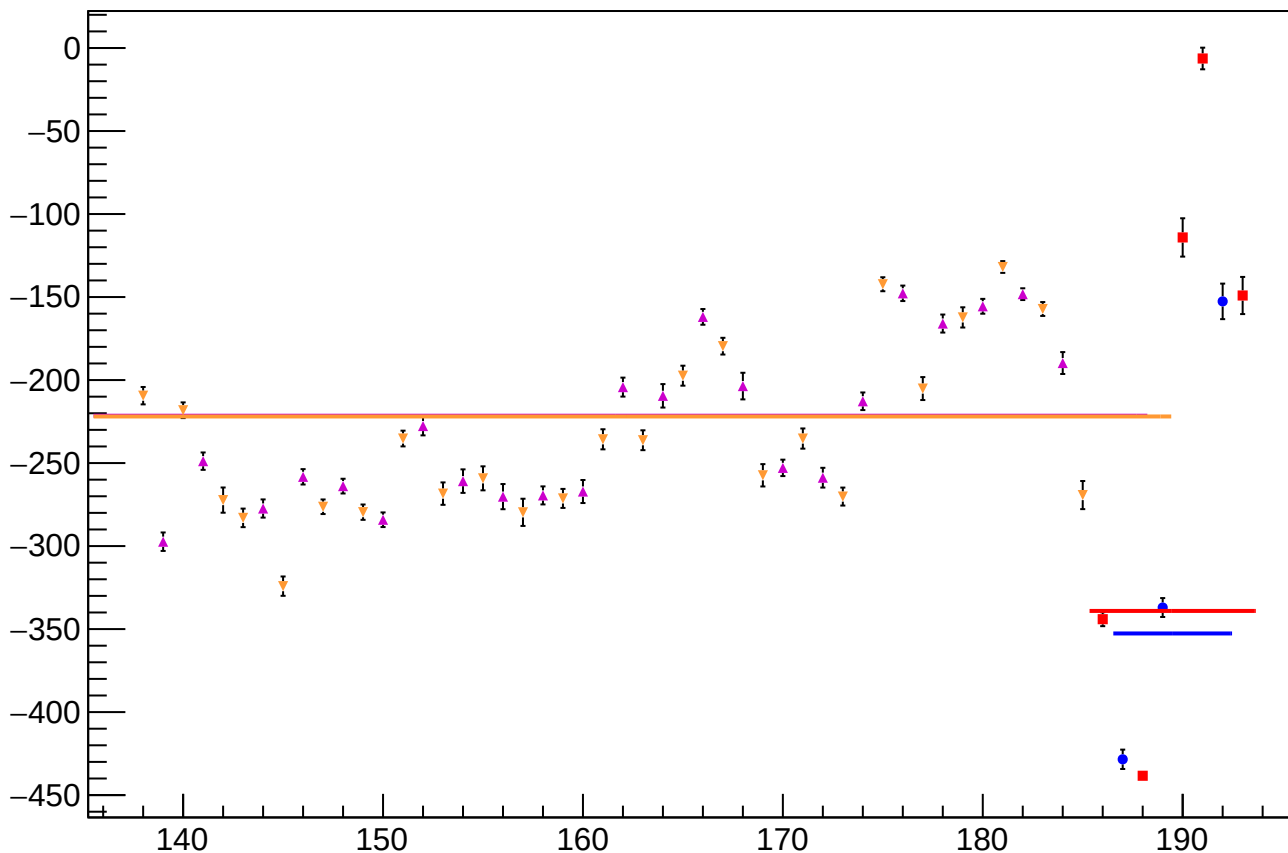
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 117.340 $\pm$ 0.034 χ^2 /NDF: 804881.0/44

All: 116.246 $\pm$ 0.024 χ^2 /NDF: 1701224.7/91

- sign 115.205 $\pm$ 0.034 χ^2 /NDF: 894371.7/46

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -352.635 ± 3.807 $\chi^2/\text{NDF}: 525.8/2$

Left Out: -221.934 ± 1.084 $\chi^2/\text{NDF}: 2578.4/24$

Right Out: -339.067 ± 2.214 $\chi^2/\text{NDF}: 4345.5/4$

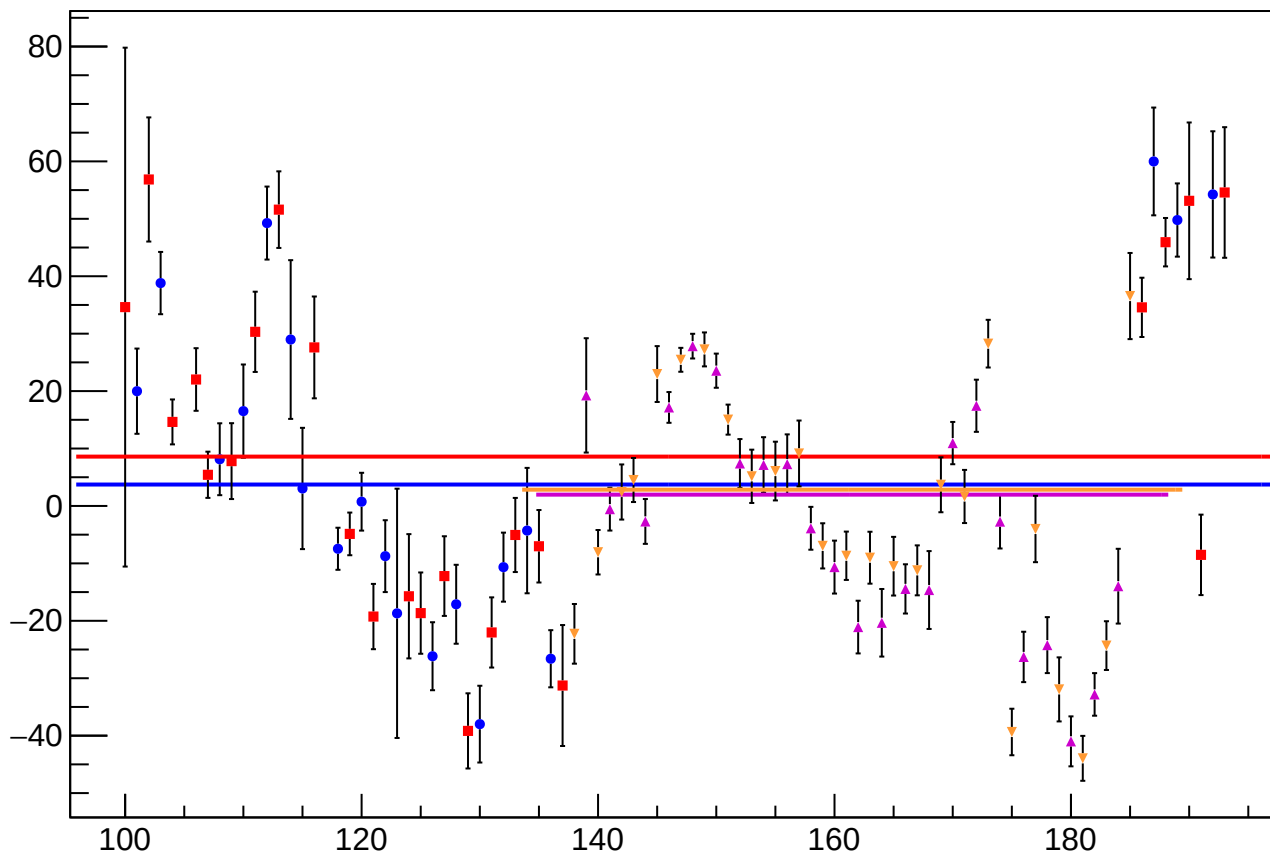
Left In: -221.483 ± 1.102 $\chi^2/\text{NDF}: 2149.8/22$

+ sign -231.741 ± 1.043 $\chi^2/\text{NDF}: 4194.2/27$

All: -238.652 ± 0.717 $\chi^2/\text{NDF}: 13033.0/55$

- sign -244.838 ± 0.987 $\chi^2/\text{NDF}: 8755.7/27$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 3.730 ± 1.464 $\chi^2/\text{NDF}: 345.4/19$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 8.593 ± 1.253 $\chi^2/\text{NDF}: 391.3/23$

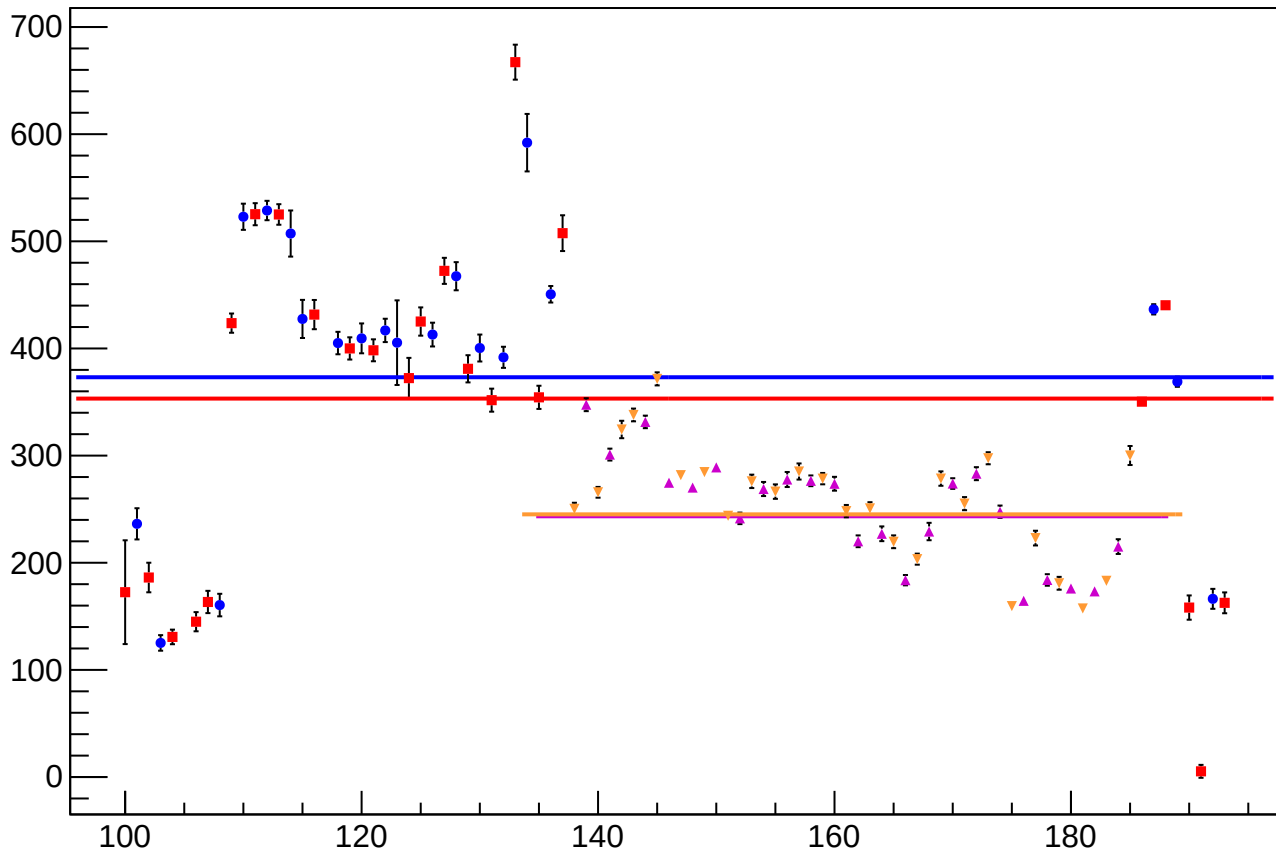
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 3.041 ± 0.707 $\chi^2/\text{NDF}: 1032.6/44$

All: 3.531 ± 0.495 $\chi^2/\text{NDF}: 2033.2/91$

- sign 4.004 ± 0.695 $\chi^2/\text{NDF}: 999.7/46$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 373.134 $\pm$ 2.092 χ^2 /NDF: 3100.2/19

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 353.221 $\pm$ 1.483 χ^2 /NDF: 8701.8/23

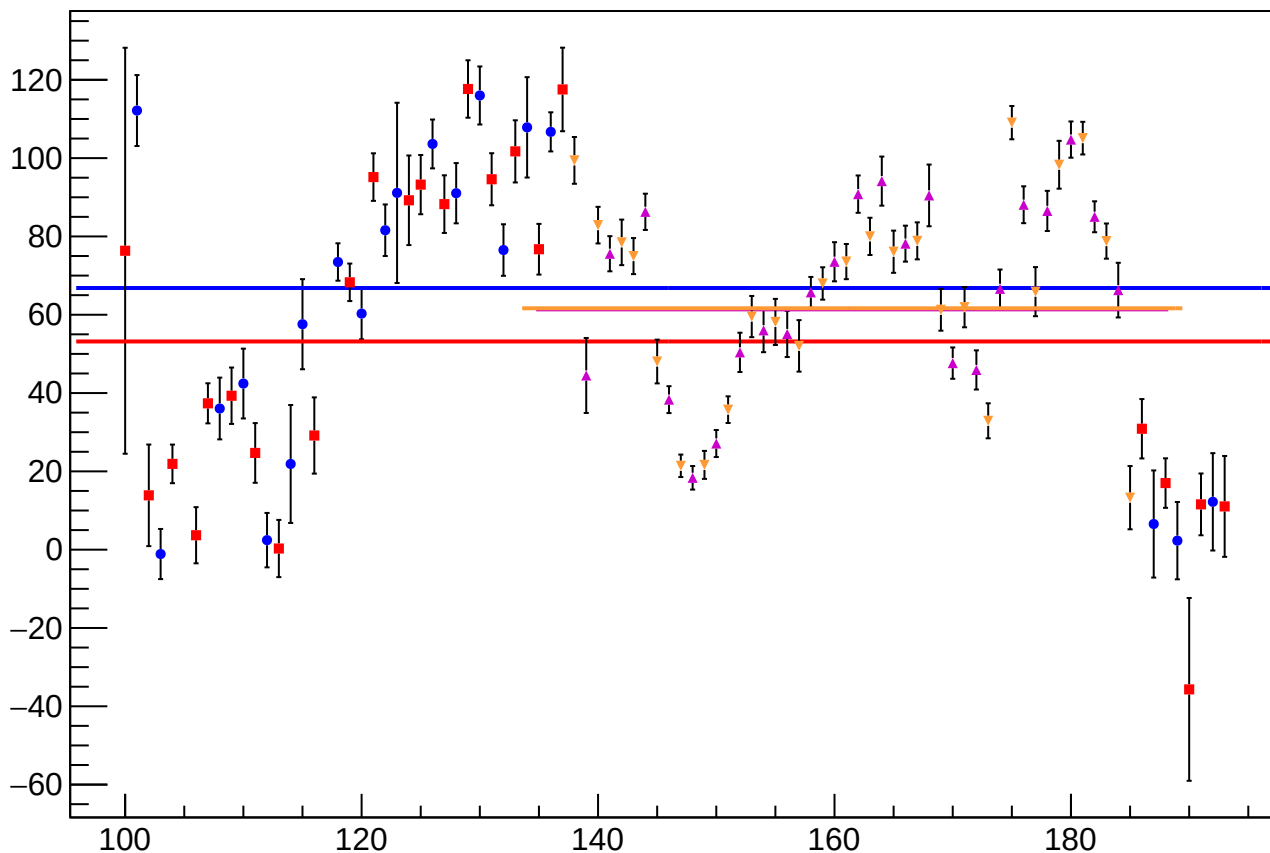
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 272.185 $\pm$ 0.961 χ^2 /NDF: 8649.1/44

All: 277.555 $\pm$ 0.649 χ^2 /NDF: 23198.9/91

- sign 282.059 $\pm$ 0.880 χ^2 /NDF: 14492.4/46

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 66.830 $\pm$ 1.710 χ^2 /NDF: 511.1/19

Left Out: 61.647 $\pm$ 0.936 χ^2 /NDF: 871.5/24

Right Out: 53.175 $\pm$ 1.506 χ^2 /NDF: 598.8/23

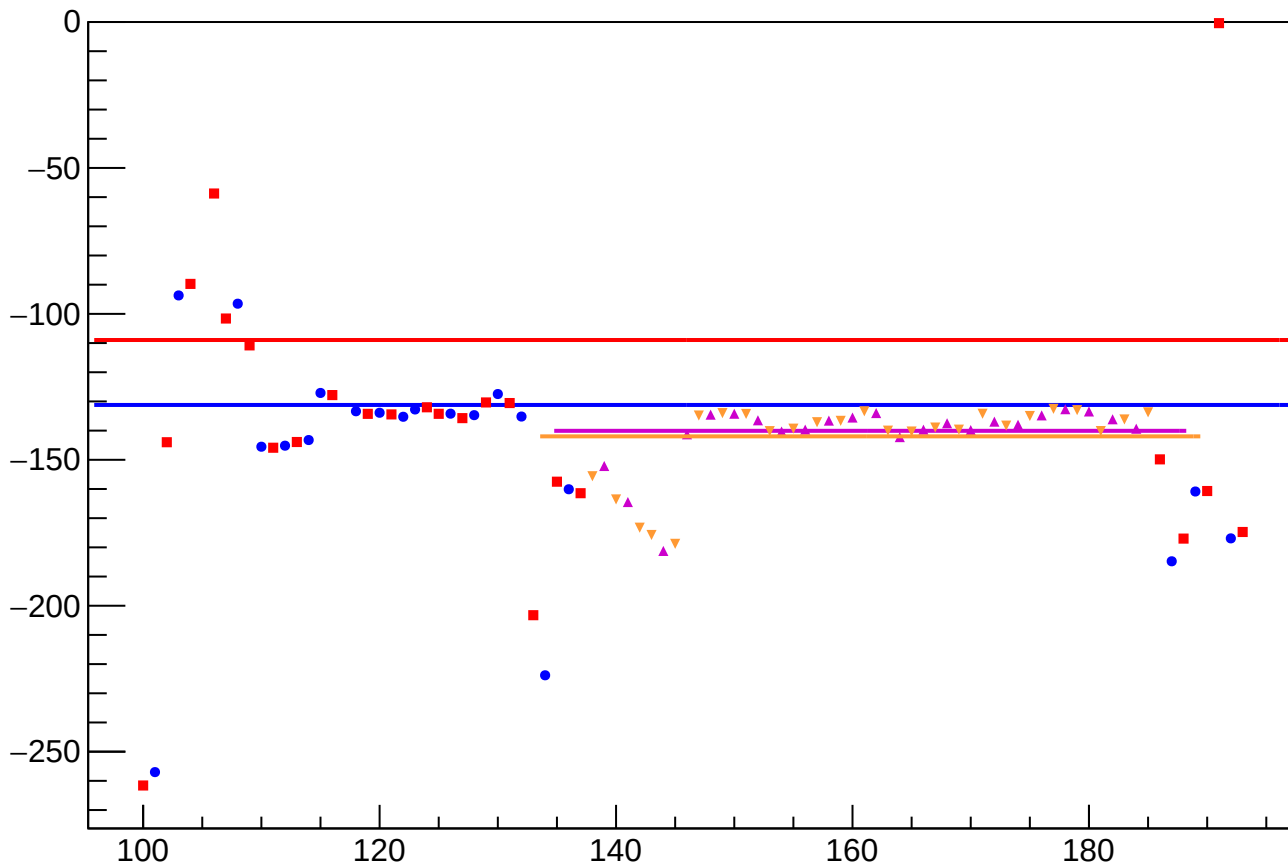
Left In: 61.375 $\pm$ 0.961 χ^2 /NDF: 699.7/22

+ sign 62.842 $\pm$ 0.821 χ^2 /NDF: 1389.7/44

All: 60.896 $\pm$ 0.577 χ^2 /NDF: 2720.4/91

- sign 59.001 $\pm$ 0.810 χ^2 /NDF: 1319.6/46

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -131.207+/-0.086 χ^2 /NDF: 191376.4/19

Left Out: -141.969+/-0.045 χ^2 /NDF: 80252.6/24

Right Out: -108.955+/-0.073 χ^2 /NDF: 506779.7/23

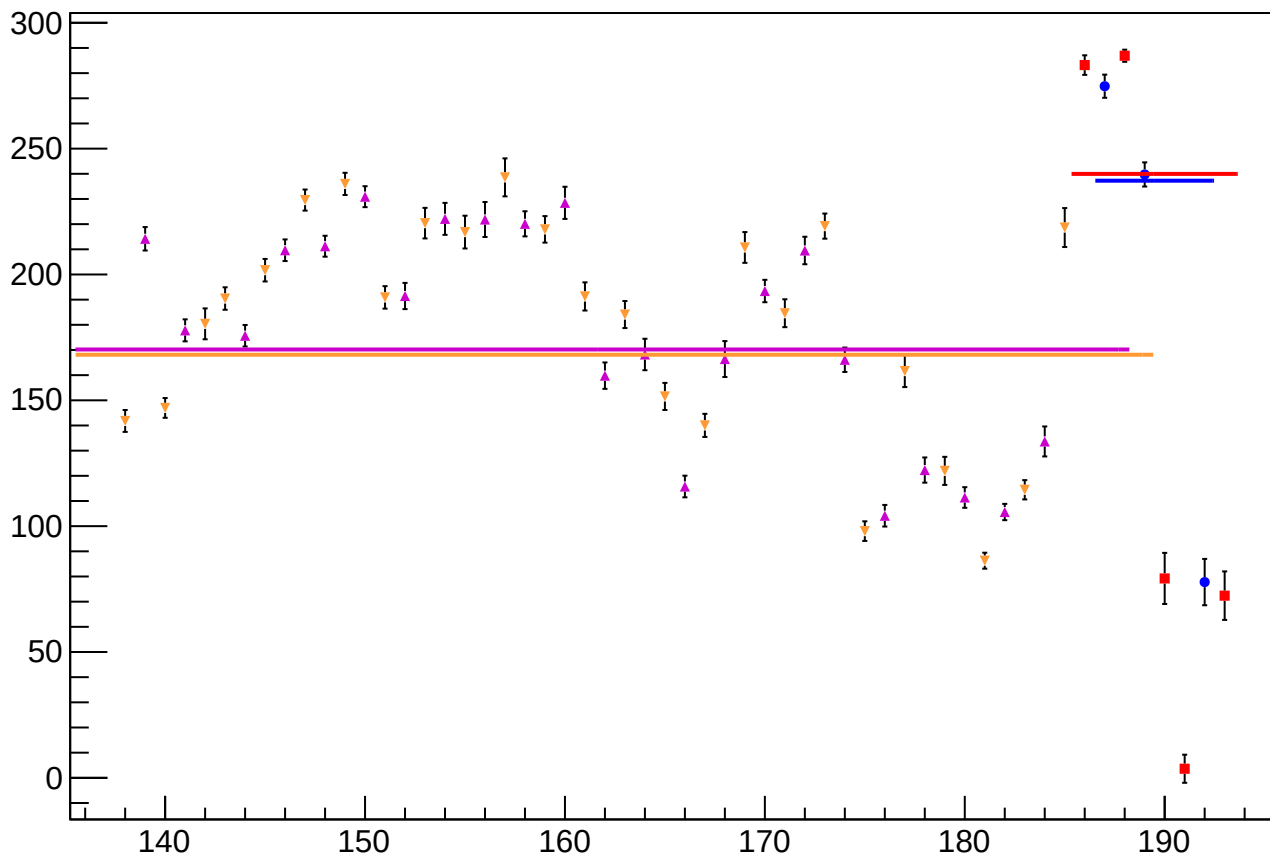
Left In: -140.068+/-0.045 χ^2 /NDF: 48030.7/22

+ sign -139.664+/-0.040 χ^2 /NDF: 284044.8/44

All: -135.458+/-0.028 χ^2 /NDF: 991941.5/91

- sign -131.523+/-0.038 χ^2 /NDF: 686089.7/46

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 237.260 ± 3.125 $\chi^2/\text{NDF}: 366.8/2$

Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$

Right Out: 239.964 ± 1.854 $\chi^2/\text{NDF}: 2847.5/4$

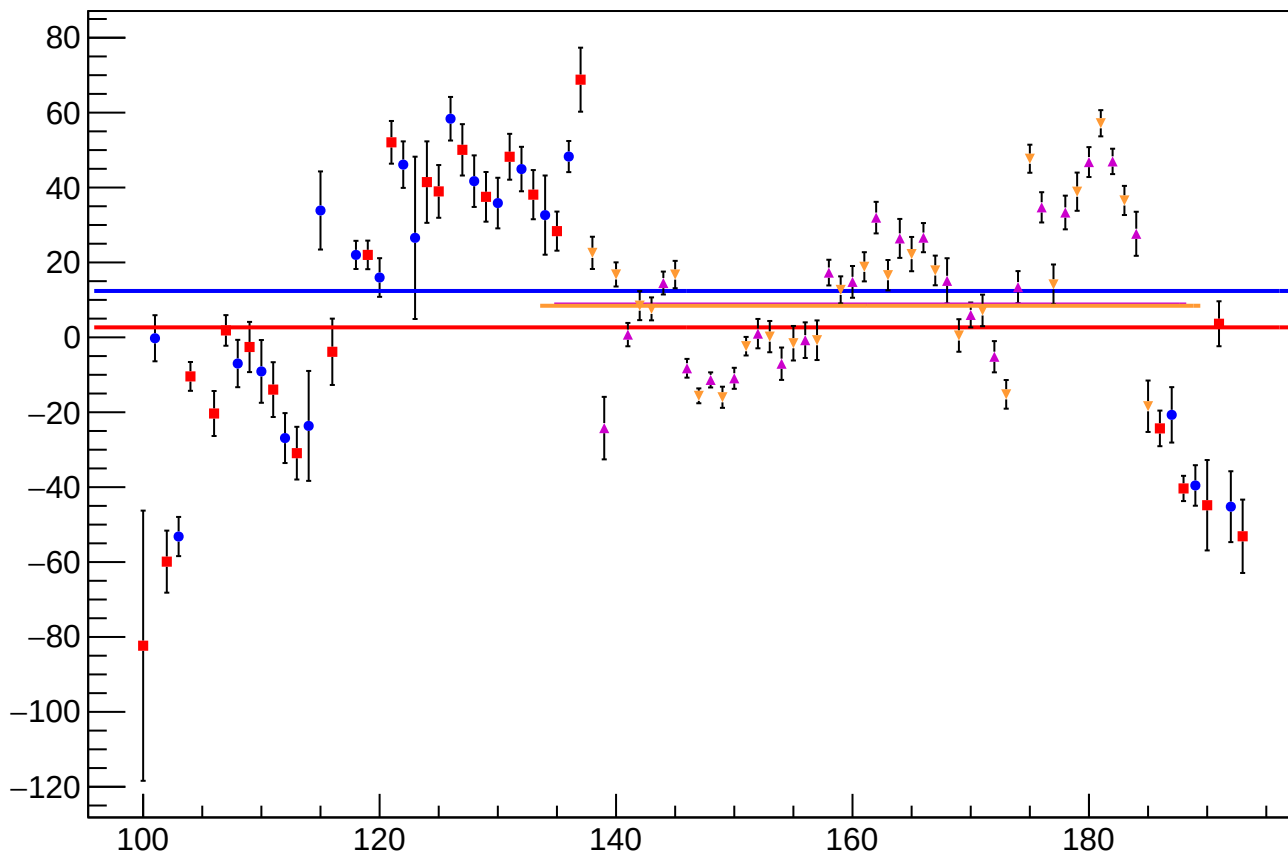
Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 174.187 ± 0.927 $\chi^2/\text{NDF}: 3282.3/27$

All: 180.316 ± 0.637 $\chi^2/\text{NDF}: 9336.2/55$

- sign 185.805 ± 0.877 $\chi^2/\text{NDF}: 5971.0/27$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 12.384 $\pm$ 1.406 χ^2/NDF : 609.2/19

Left Out: 8.436 $\pm$ 0.728 χ^2/NDF : 752.0/24

Right Out: 2.666 $\pm$ 1.200 χ^2/NDF : 745.0/23

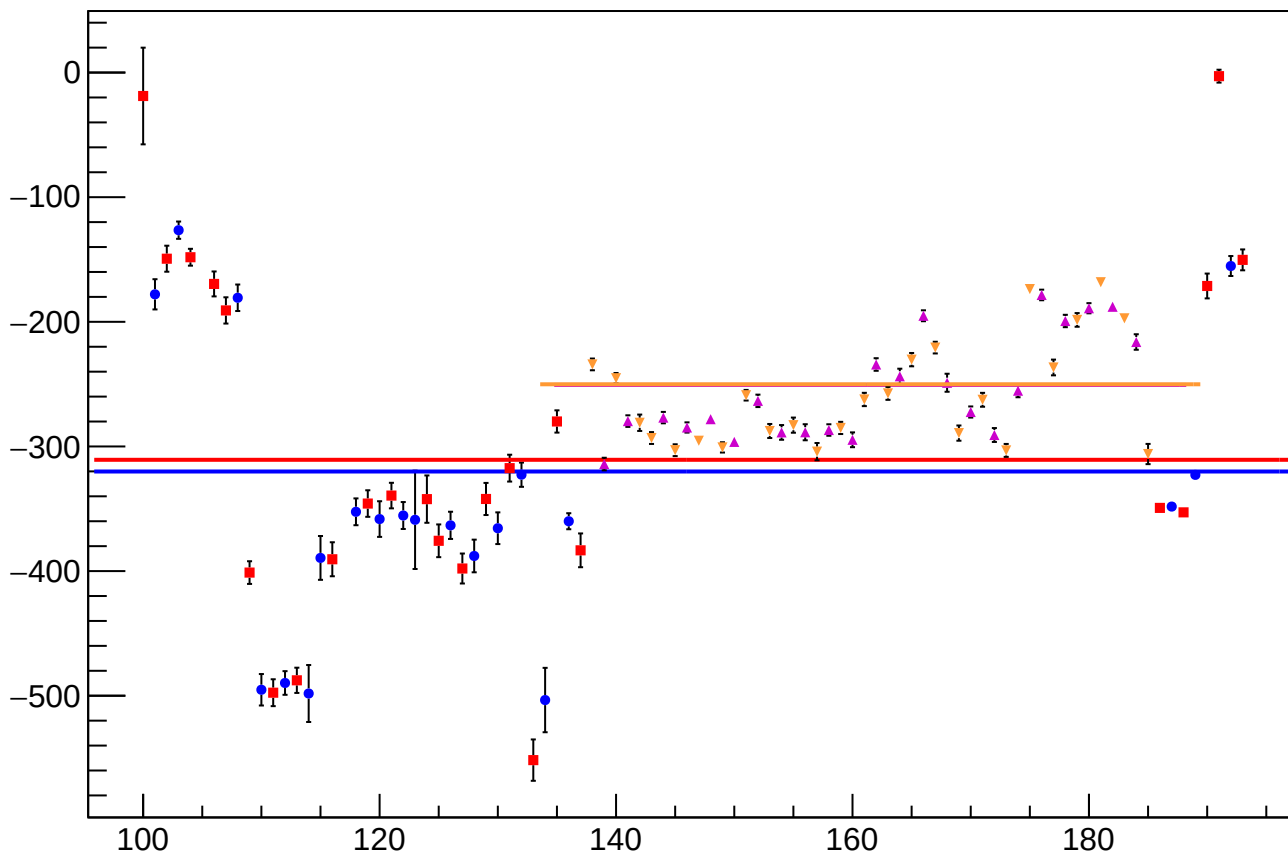
Left In: 8.769 $\pm$ 0.758 χ^2/NDF : 626.8/22

+ sign 9.272 $\pm$ 0.646 χ^2/NDF : 1367.5/44

All: 8.140 $\pm$ 0.455 χ^2/NDF : 2763.8/91

- sign 7.028 $\pm$ 0.641 χ^2/NDF : 1390.3/46

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -320.095+/-1.865 χ^2/NDF : 2328.0/19

Left Out: -250.119+/-0.972 χ^2/NDF : 2246.9/24

Right Out: -310.706+/-1.302 χ^2/NDF : 7033.3/23

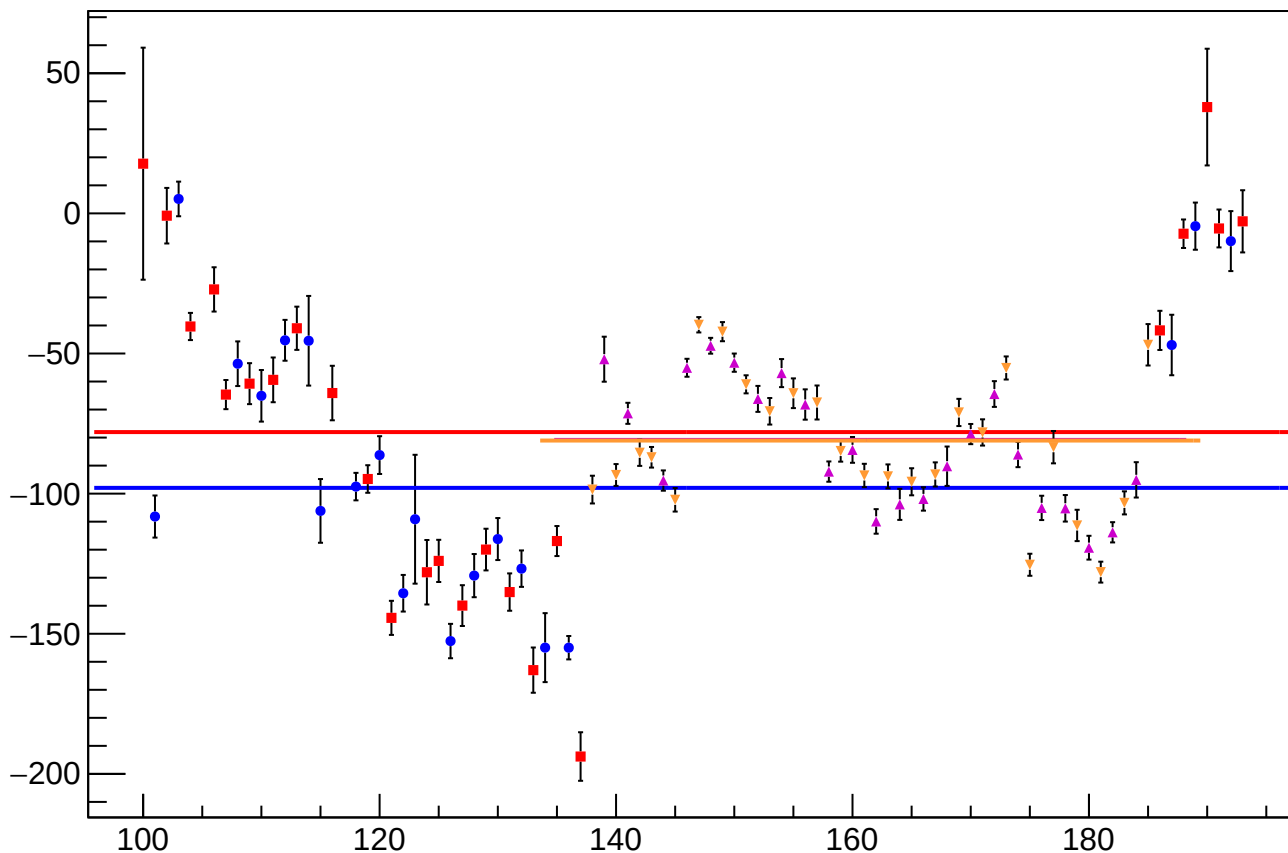
Left In: -250.628+/-0.990 χ^2/NDF : 1937.1/22

+ sign -265.068+/-0.862 χ^2/NDF : 5681.5/44

All: -269.194+/-0.582 χ^2/NDF : 16042.4/91

- sign -272.643+/-0.788 χ^2/NDF : 10318.8/46

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -97.943 ± 1.641 χ^2/NDF : 966.7/19

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -78.037 ± 1.449 χ^2/NDF : 1330.0/23

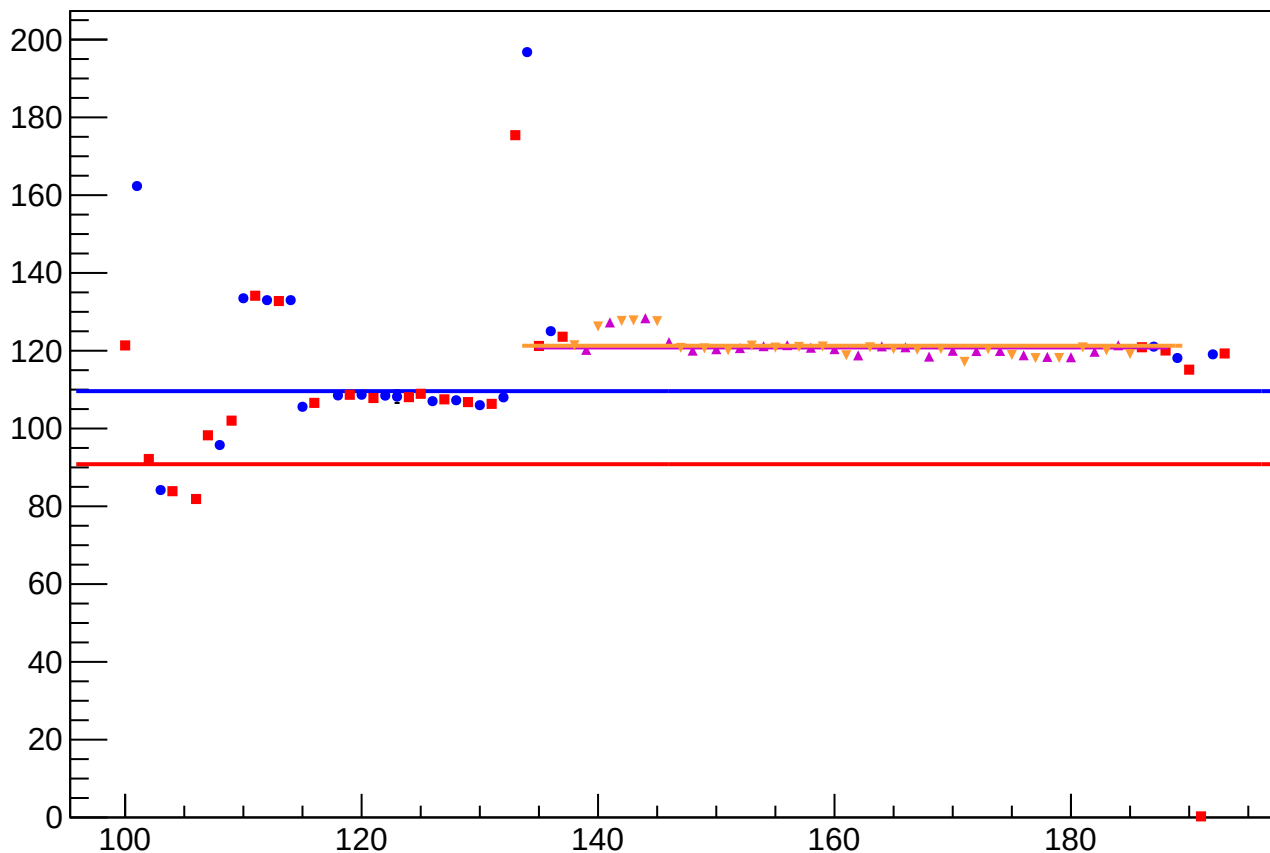
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -84.582 ± 0.750 χ^2/NDF : 1963.5/44

All: -82.328 ± 0.529 χ^2/NDF : 4007.3/91

- sign -80.091 ± 0.747 χ^2/NDF : 2025.9/46

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 109.611 $\pm$ 0.080 χ^2 /NDF: 74981.6/19

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF:4939.3/24

Right Out: 90.827 $\pm$ 0.068 χ^2 /NDF: 336513.6/23

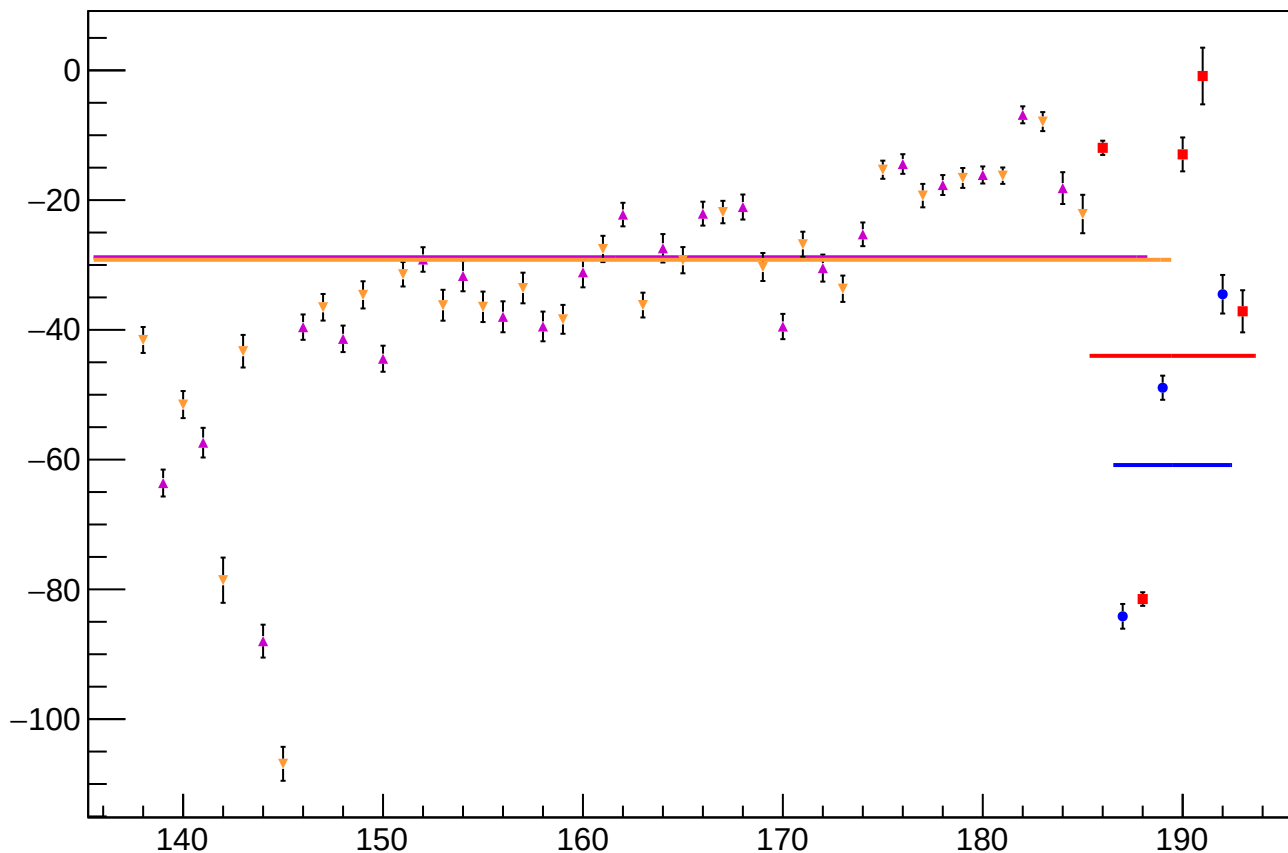
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF:3368.2/22

+ sign 118.953 $\pm$ 0.036 χ^2 /NDF: 96834.1/44

All: 115.883 $\pm$ 0.025 χ^2 /NDF: 593682.6/91

- sign 112.970 $\pm$ 0.035 χ^2 /NDF: 482583.2/46

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -60.837 ± 1.215 $\chi^2/\text{NDF}: 269.1/2$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -44.003 ± 0.702 $\chi^2/\text{NDF}: 2372.3/4$

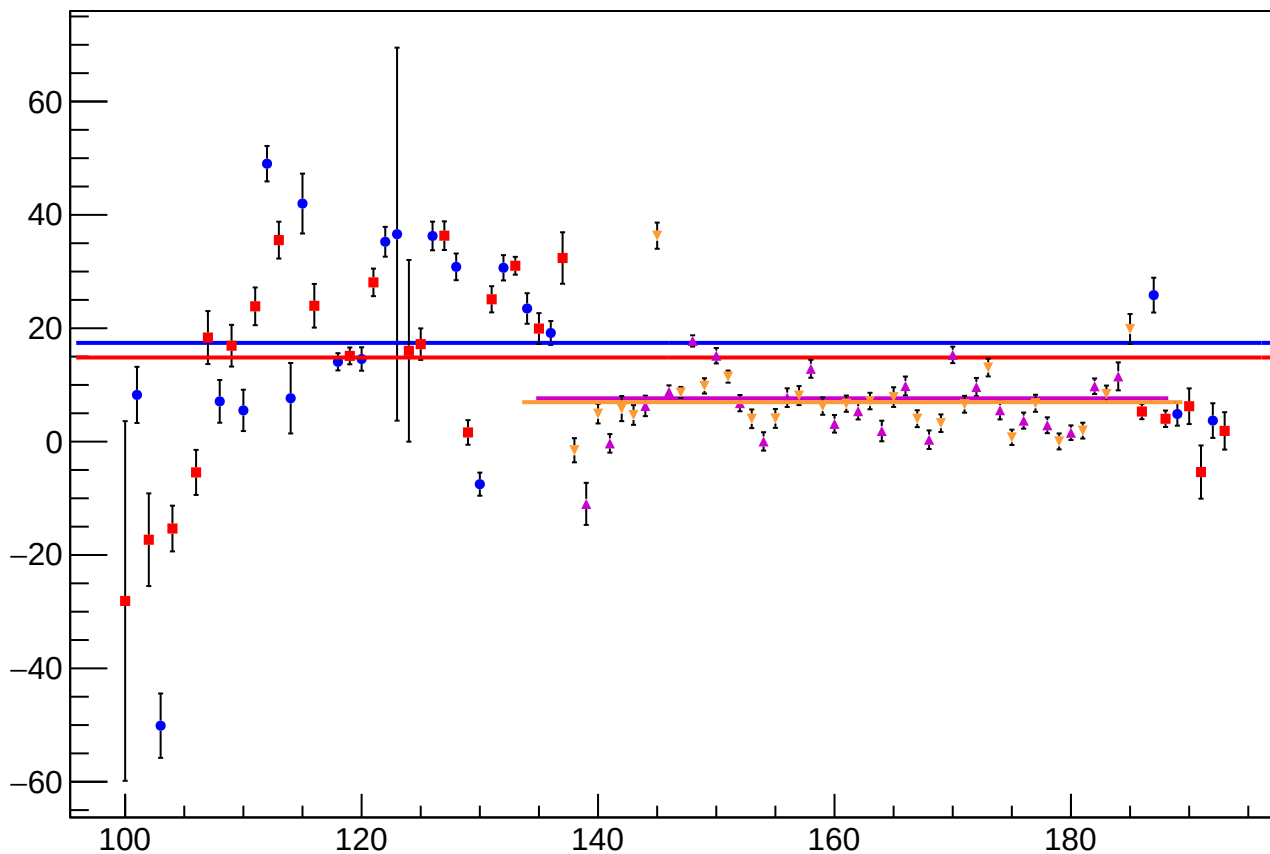
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -32.135 ± 0.370 $\chi^2/\text{NDF}: 2765.7/27$

All: -32.315 ± 0.252 $\chi^2/\text{NDF}: 7258.2/55$

- sign -32.471 ± 0.344 $\chi^2/\text{NDF}: 4492.0/27$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.418 $\pm$ 0.599 χ^2 /NDF: 686.1/19

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF: 321.3/24

Right Out: 14.838 $\pm$ 0.521 χ^2 /NDF: 584.8/23

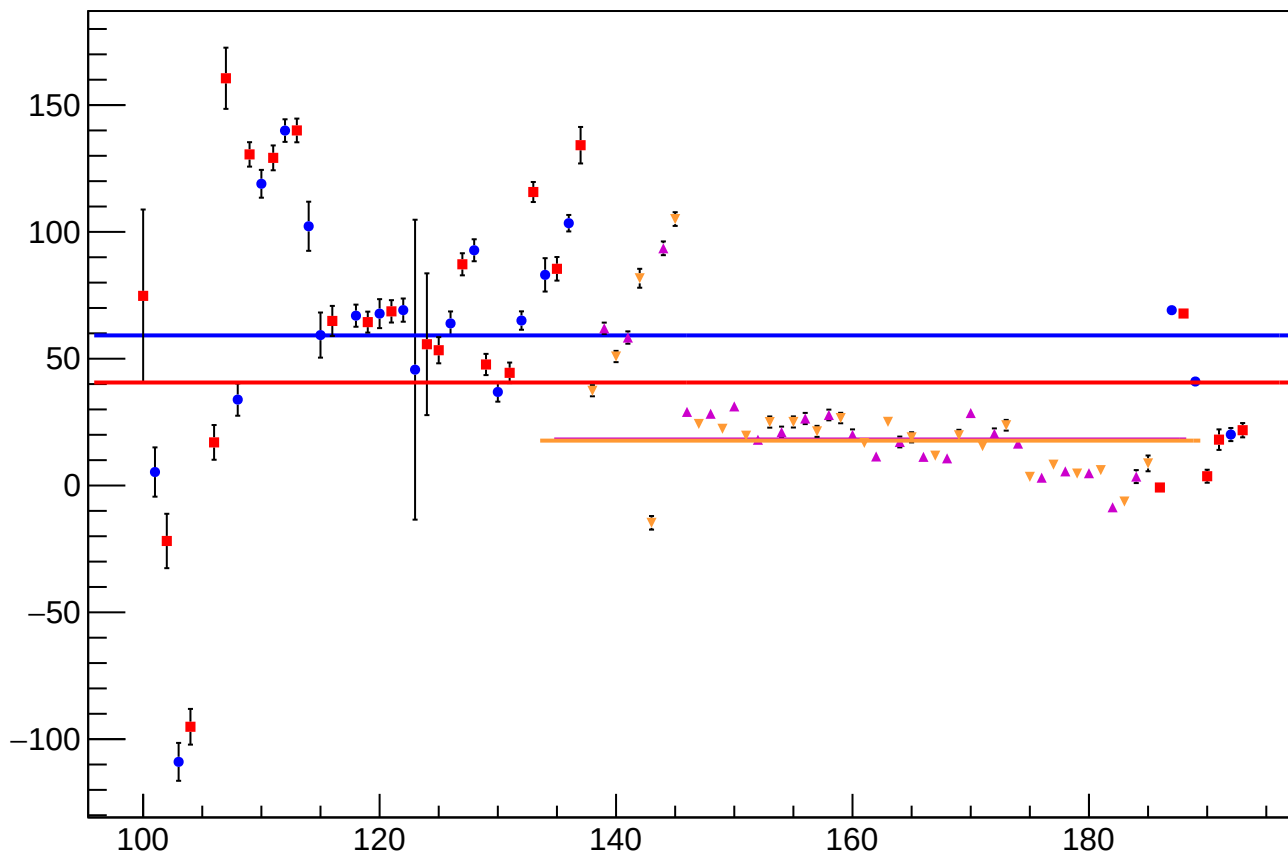
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF: 337.7/22

+ sign 9.090 $\pm$ 0.270 χ^2 /NDF: 1250.0/44

All: 9.321 $\pm$ 0.191 χ^2 /NDF: 2314.0/91

- sign 9.550 $\pm$ 0.269 χ^2 /NDF: 1062.5/46

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 59.185+/-0.787 χ^2 /NDF: 1729.6/19

Left Out: 17.705+/-0.387 χ^2 /NDF: 2432.2/24

Right Out: 40.616+/-0.520 χ^2 /NDF: 6026.4/23

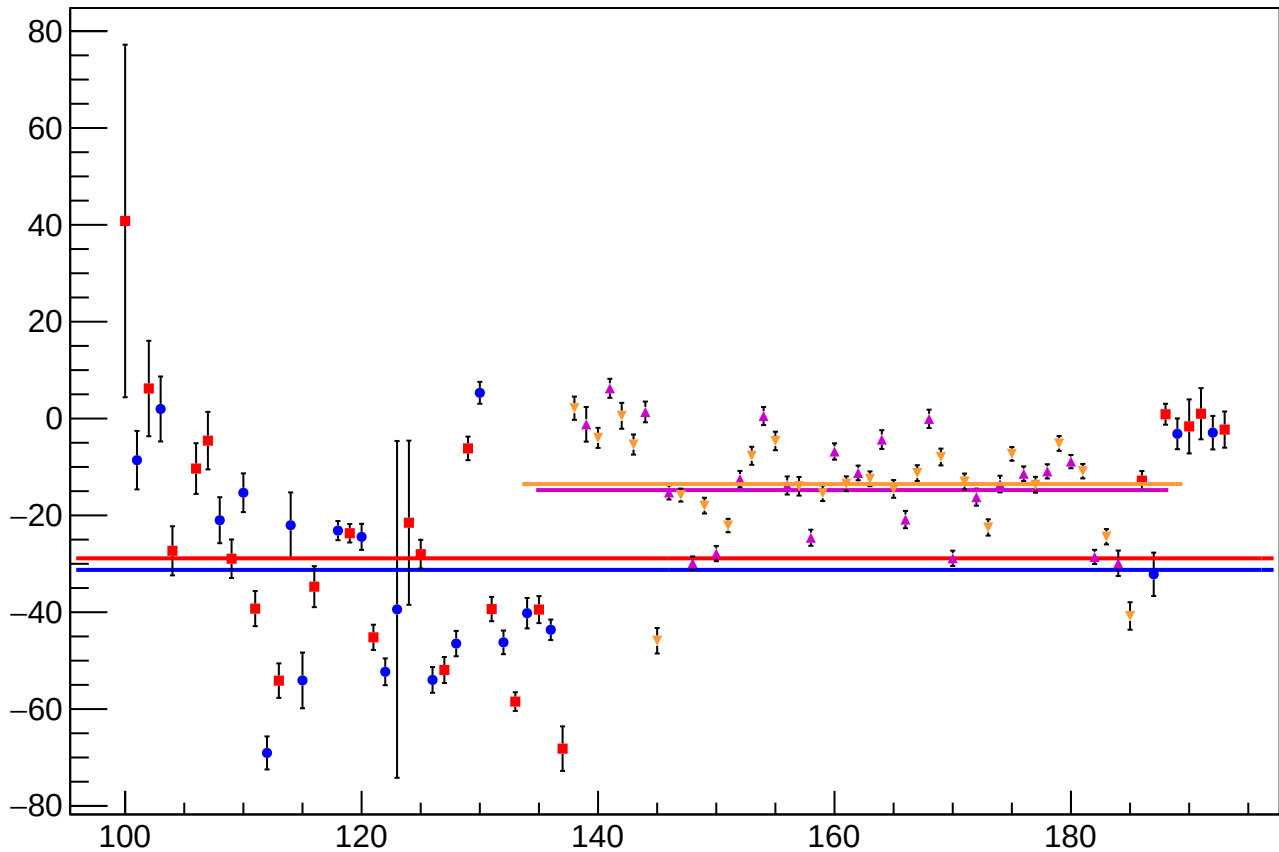
Left In: 18.150+/-0.393 χ^2 /NDF: 2339.4/22

+ sign 25.783+/-0.347 χ^2 /NDF: 6396.6/44

All: 26.075+/-0.233 χ^2 /NDF: 15953.5/91

- sign 26.312+/-0.313 χ^2 /NDF: 9555.6/46

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -31.254 ± 0.702 χ^2/NDF : 874.7/19

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -28.870 ± 0.639 χ^2/NDF : 1017.5/23

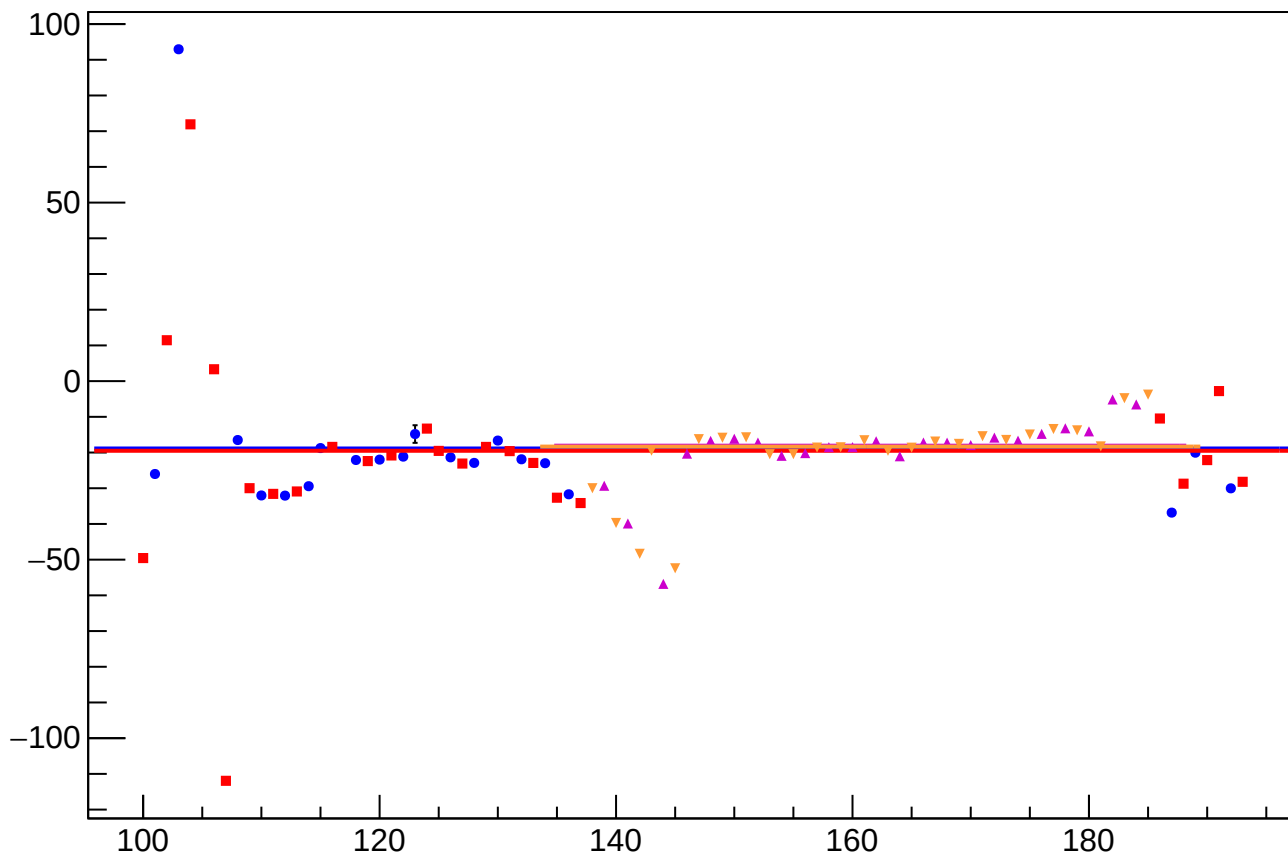
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -16.962 ± 0.309 χ^2/NDF : 1961.3/44

All: -17.524 ± 0.219 χ^2/NDF : 4195.6/91

- sign -18.090 ± 0.310 χ^2/NDF : 2227.7/46

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -18.868 ± 0.039 $\chi^2/\text{NDF}: 492849.5/19$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -19.504 ± 0.036 $\chi^2/\text{NDF}: 464790.8/23$

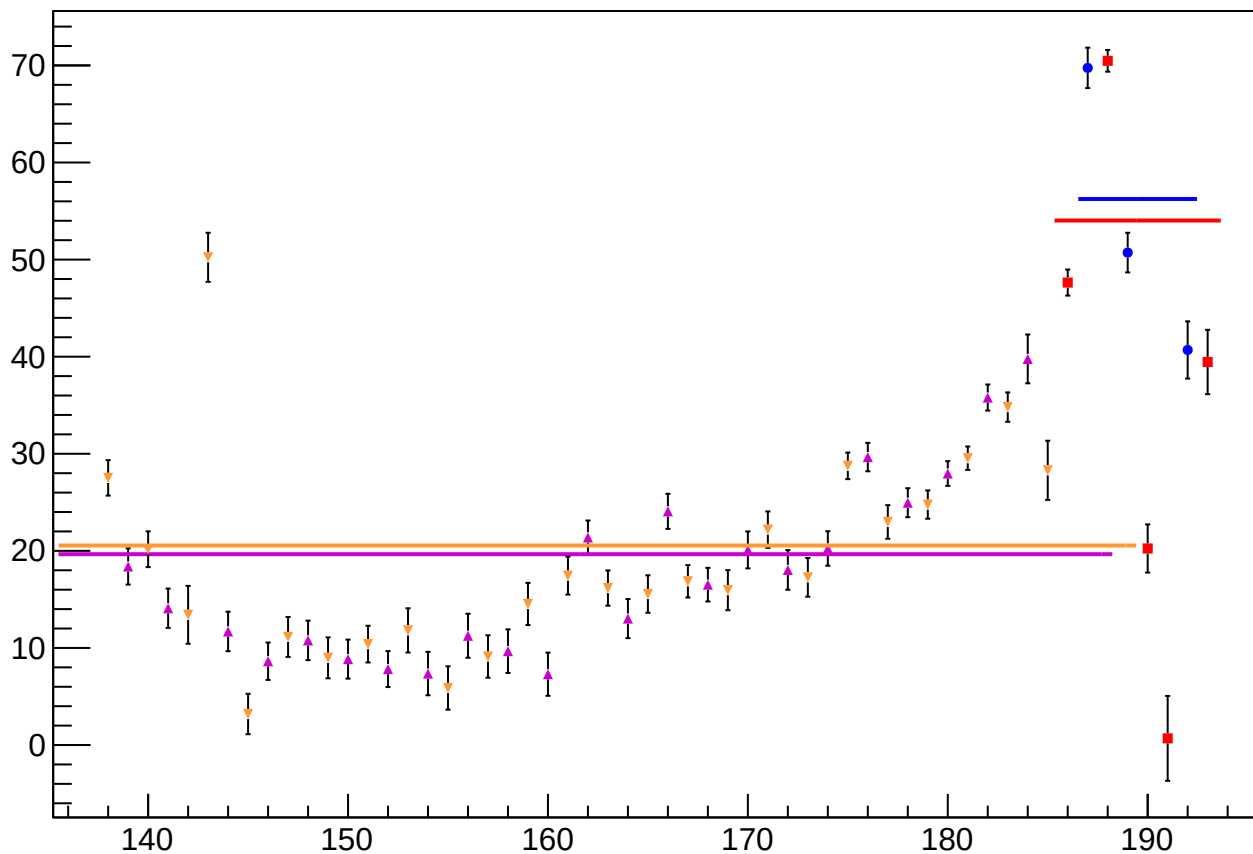
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.409 ± 0.015 $\chi^2/\text{NDF}: 777160.8/44$

All: -18.365 ± 0.010 $\chi^2/\text{NDF}: 1485226.2/91$

- sign -18.321 ± 0.015 $\chi^2/\text{NDF}: 708047.7/46$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 56.243 $\pm$ 1.307 χ^2 /NDF: 77.2/2

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 54.025 $\pm$ 0.776 χ^2 /NDF: 592.9/4

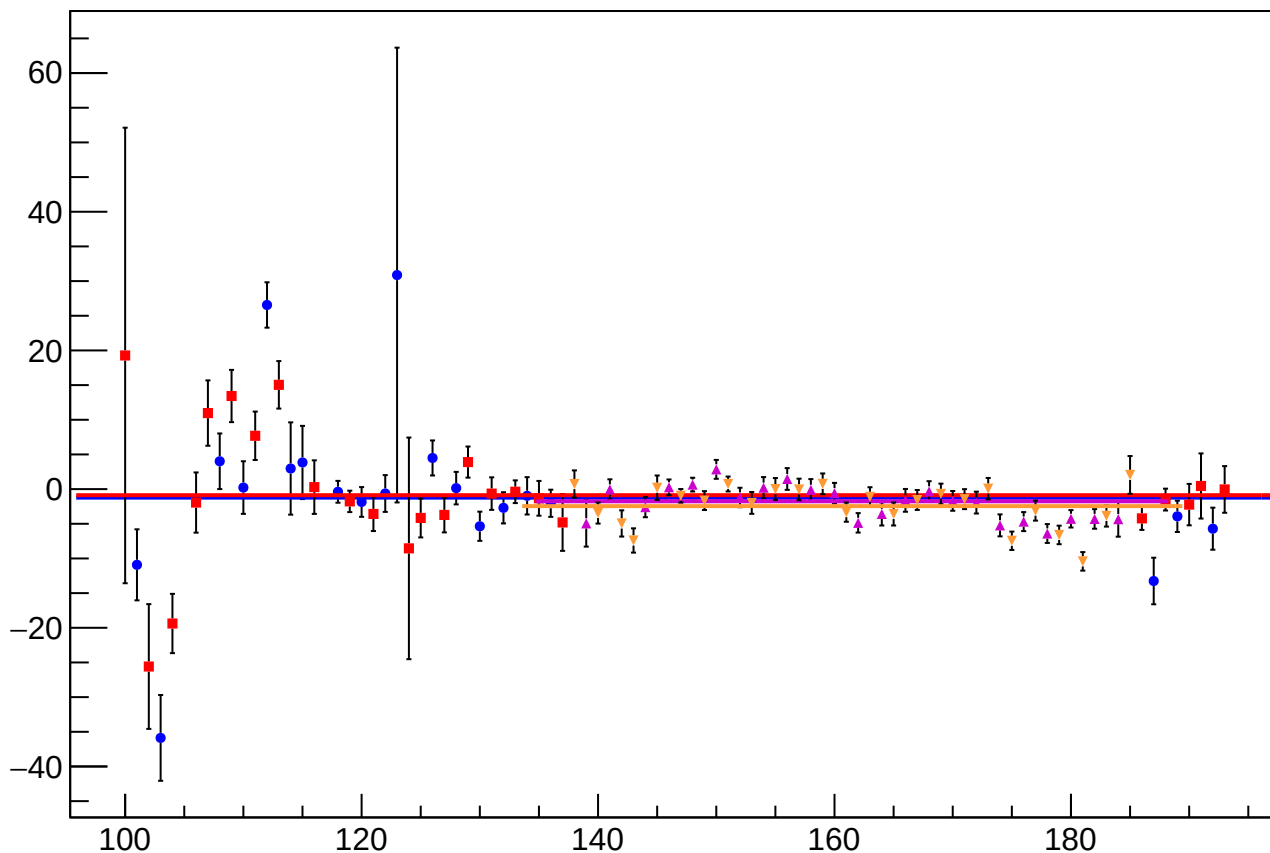
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 23.240 $\pm$ 0.359 χ^2 /NDF: 1393.3/27

All: 24.851 $\pm$ 0.247 χ^2 /NDF: 4177.4/55

- sign 26.312 $\pm$ 0.342 χ^2 /NDF: 2745.6/27

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.227 ± 0.612 χ^2/NDF : 137.9/19

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.878 ± 0.548 χ^2/NDF : 89.7/23

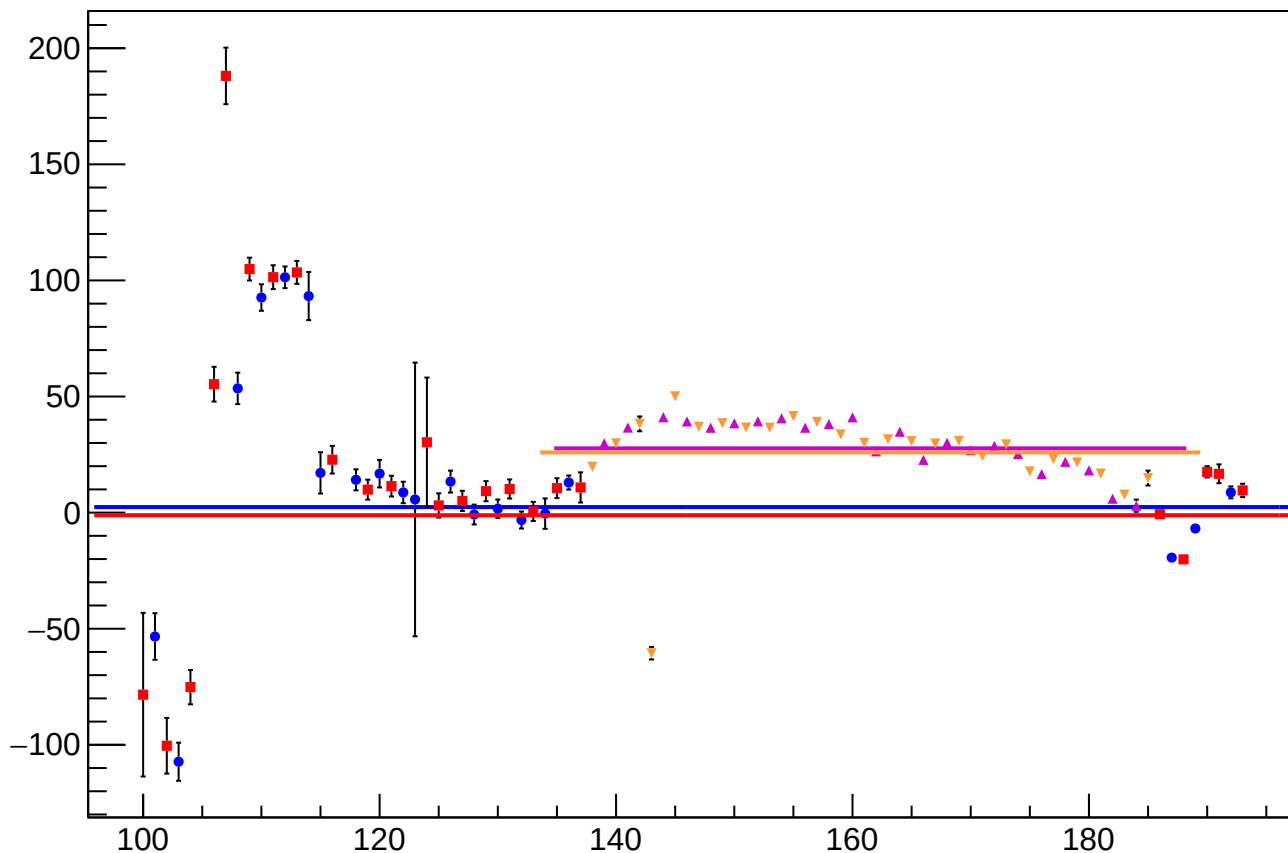
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.227 ± 0.264 χ^2/NDF : 247.2/44

All: -1.891 ± 0.187 χ^2/NDF : 409.6/91

- sign -1.553 ± 0.265 χ^2/NDF : 159.1/46

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 2.395 ± 0.827 χ^2/NDF : 1277.7/19

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -1.124 ± 0.569 χ^2/NDF : 2382.5/23

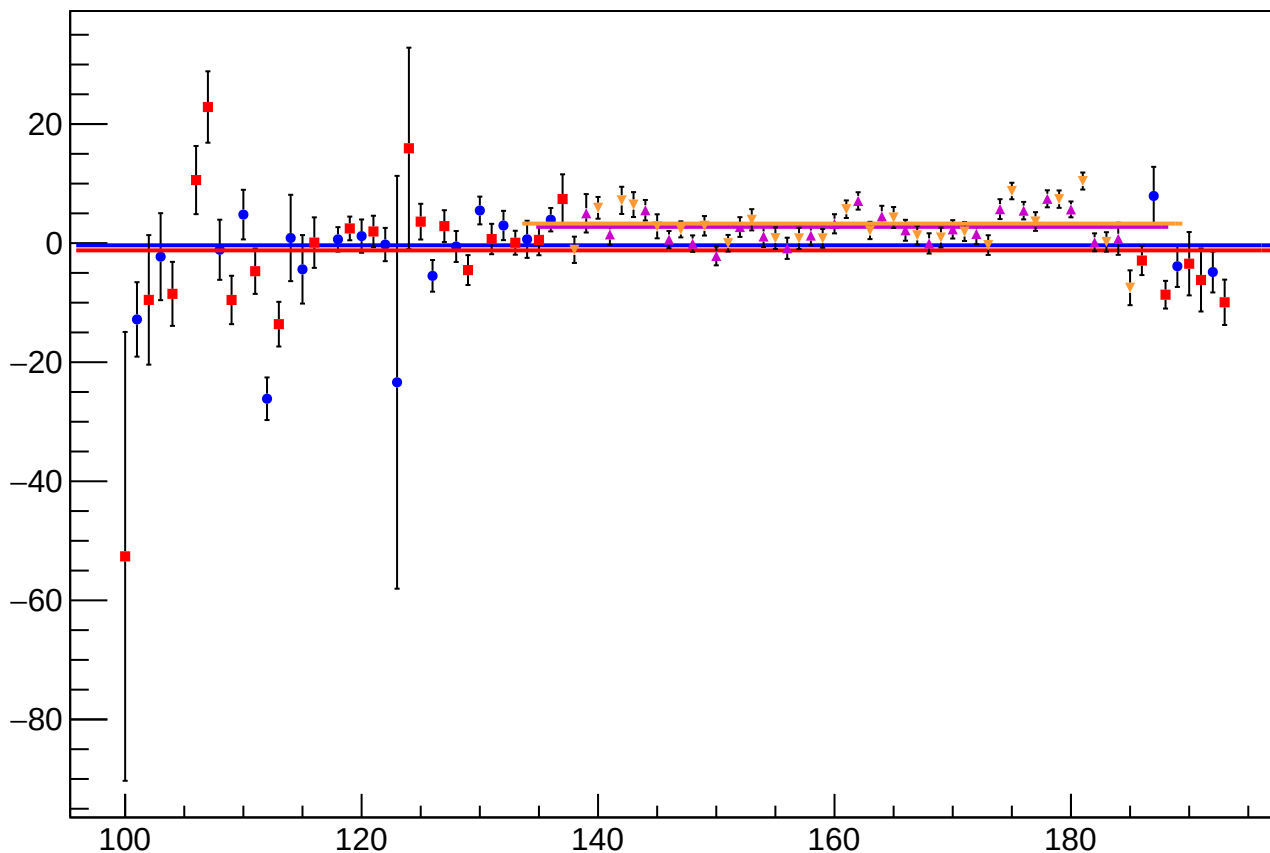
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 21.967 ± 0.339 χ^2/NDF : 3663.6/44

All: 20.293 ± 0.231 χ^2/NDF : 8672.0/91

- sign 18.851 ± 0.315 χ^2/NDF : 4963.2/46

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.367 ± 0.712 χ^2/NDF : 81.3/19

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -1.216 ± 0.664 χ^2/NDF : 76.0/23

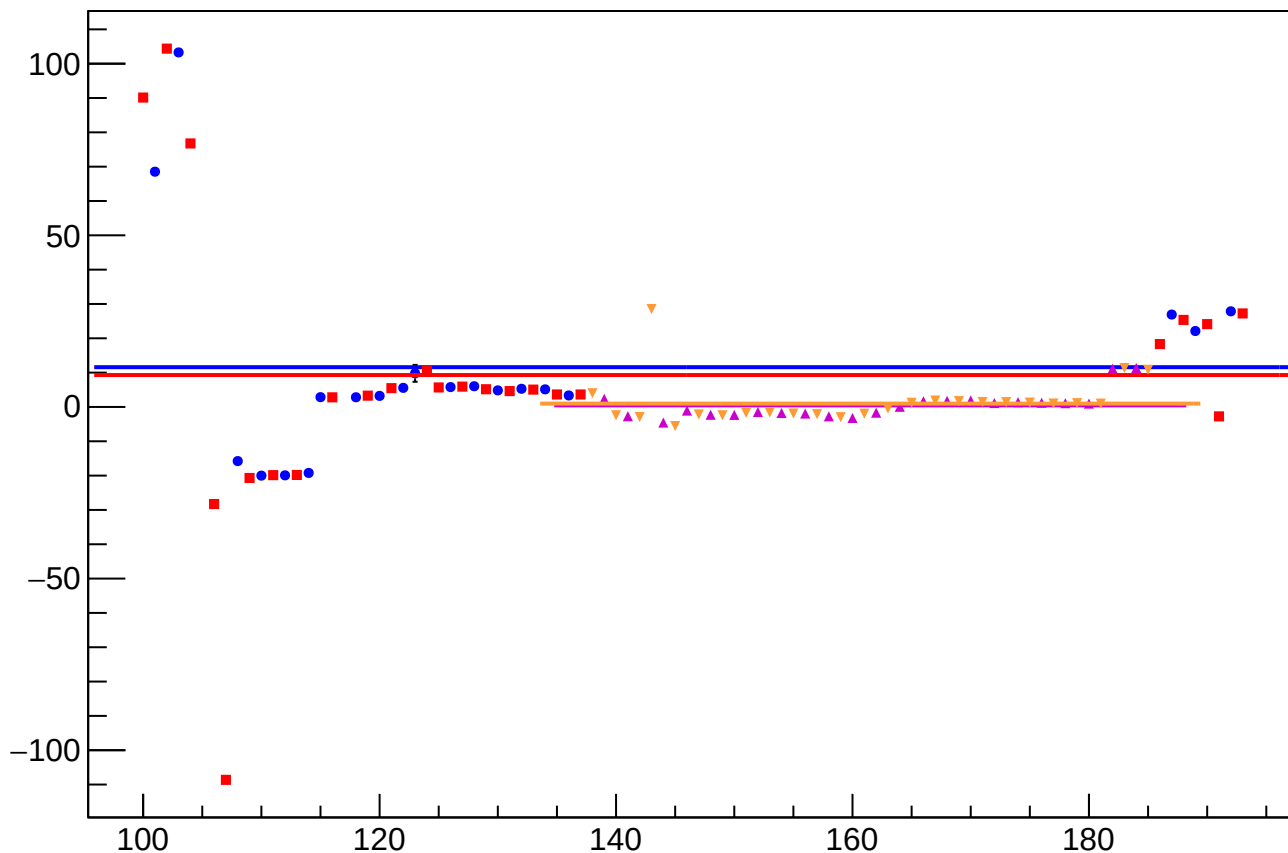
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.633 ± 0.300 χ^2/NDF : 205.2/44

All: 2.276 ± 0.213 χ^2/NDF : 376.6/91

- sign 1.911 ± 0.303 χ^2/NDF : 168.6/46

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 11.582 ± 0.039 $\chi^2/\text{NDF}: 394555.5/19$

Left Out: 0.979 ± 0.015 $\chi^2/\text{NDF}: 117391.3/24$

Right Out: 9.295 ± 0.037 $\chi^2/\text{NDF}: 587054.5/23$

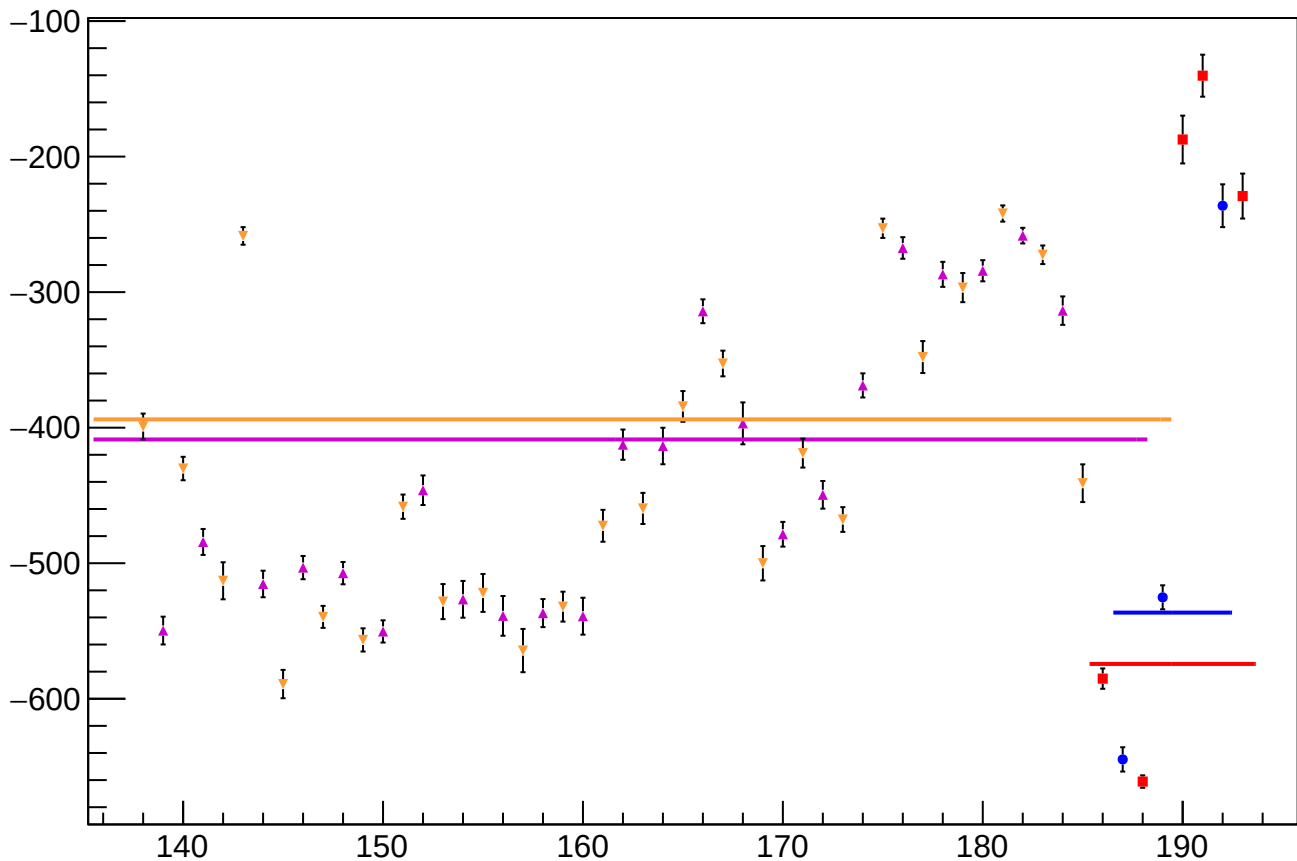
Left In: 0.451 ± 0.015 $\chi^2/\text{NDF}: 50699.8/22$

+ sign 2.348 ± 0.014 $\chi^2/\text{NDF}: 574829.6/44$

All: 2.066 ± 0.010 $\chi^2/\text{NDF}: 1262811.8/91$

- sign 1.782 ± 0.014 $\chi^2/\text{NDF}: 687189.6/46$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -536.437 ± 5.853 $\chi^2/\text{NDF}: 509.1/2$

Left Out: -393.871 ± 1.897 $\chi^2/\text{NDF}: 3772.8/24$

Right Out: -574.314 ± 3.623 $\chi^2/\text{NDF}: 2057.2/4$

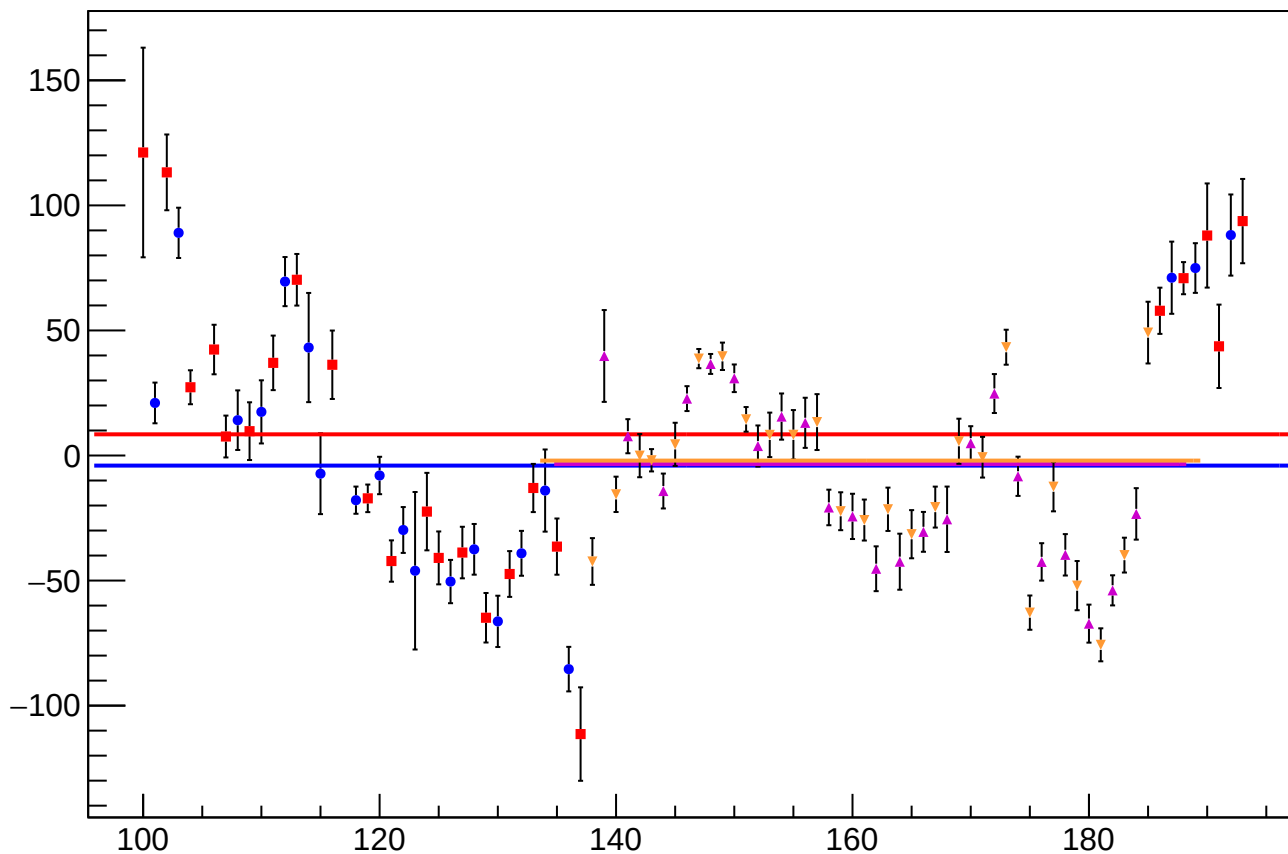
Left In: -408.696 ± 1.979 $\chi^2/\text{NDF}: 3062.9/22$

+ sign -407.422 ± 1.805 $\chi^2/\text{NDF}: 4818.7/27$

All: -427.842 ± 1.251 $\chi^2/\text{NDF}: 11794.9/55$

- sign -446.756 ± 1.737 $\chi^2/\text{NDF}: 6729.5/27$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -4.036 ± 2.240 $\chi^2/\text{NDF}: 475.9/19$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 8.469 ± 2.037 $\chi^2/\text{NDF}: 549.2/23$

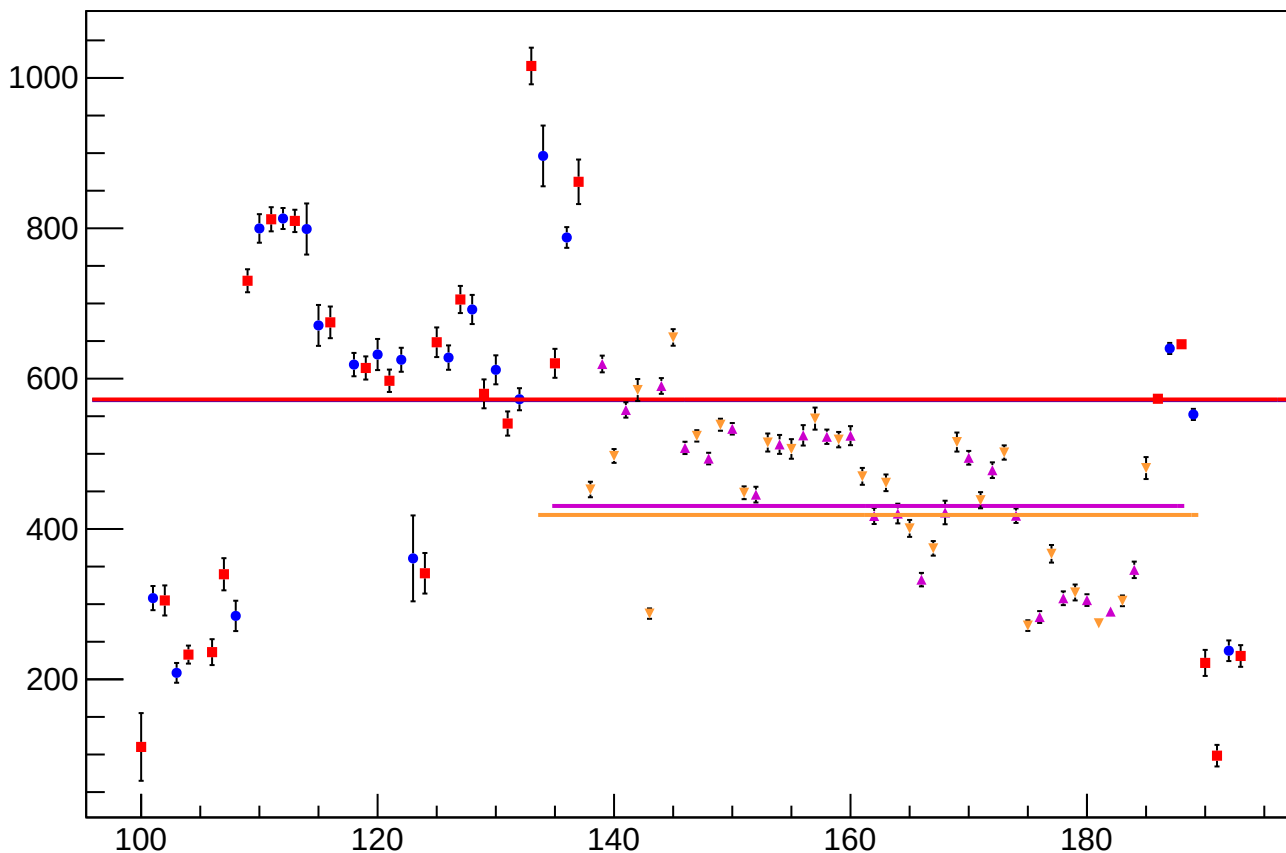
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign -2.613 ± 1.202 $\chi^2/\text{NDF}: 1040.3/44$

All: -0.914 ± 0.856 $\chi^2/\text{NDF}: 2066.4/91$

- sign 0.832 ± 1.218 $\chi^2/\text{NDF}: 1022.1/46$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 571.447 ± 3.251 $\chi^2/\text{NDF}: 2824.3/19$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 572.272 ± 2.407 $\chi^2/\text{NDF}: 5240.1/23$

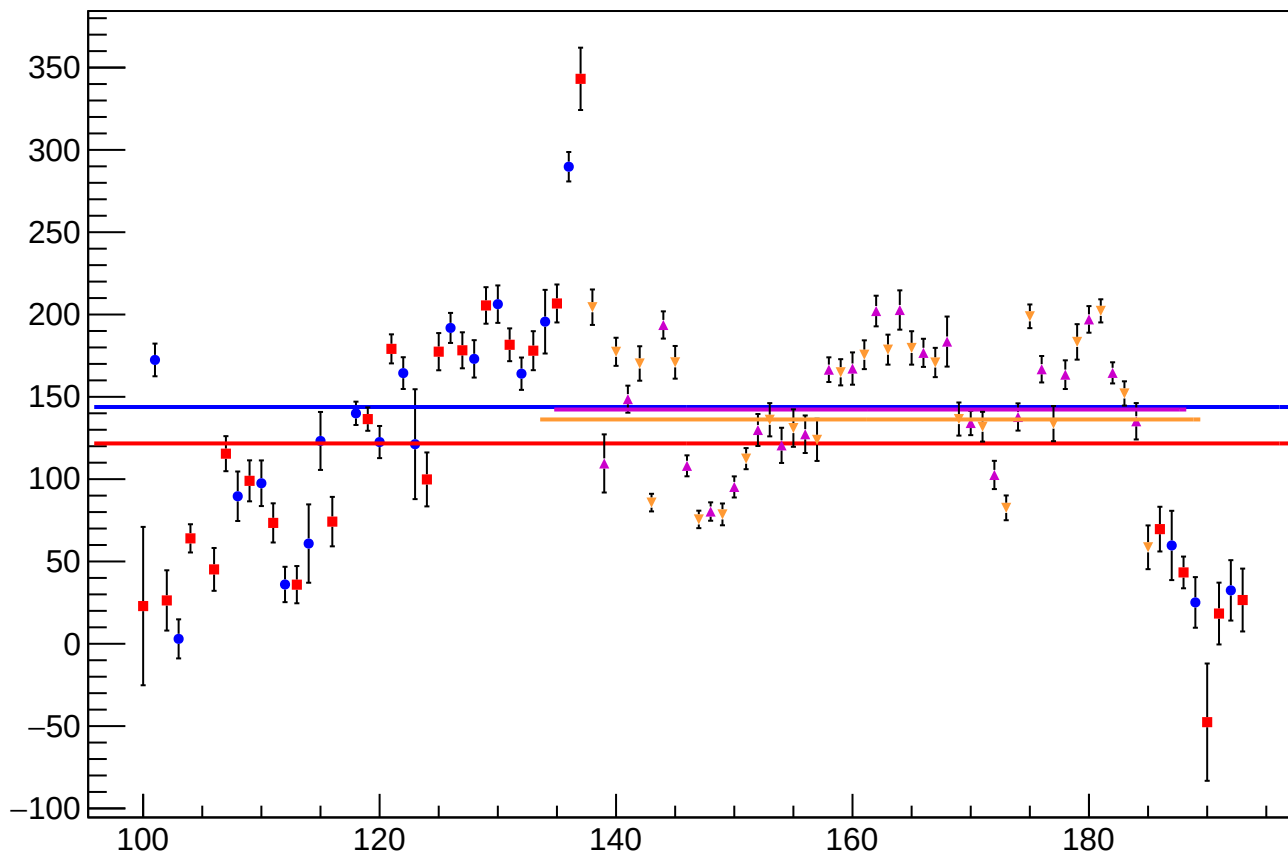
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 457.722 ± 1.644 $\chi^2/\text{NDF}: 7764.5/44$

All: 473.715 ± 1.118 $\chi^2/\text{NDF}: 18104.3/91$

- sign 487.481 ± 1.525 $\chi^2/\text{NDF}: 10163.6/46$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 143.818 $\pm$ 2.625 χ^2 /NDF: 752.3/19

Left Out: 136.258 $\pm$ 1.651 χ^2 /NDF: 758.3/24

Right Out: 121.697 $\pm$ 2.438 χ^2 /NDF: 764.1/23

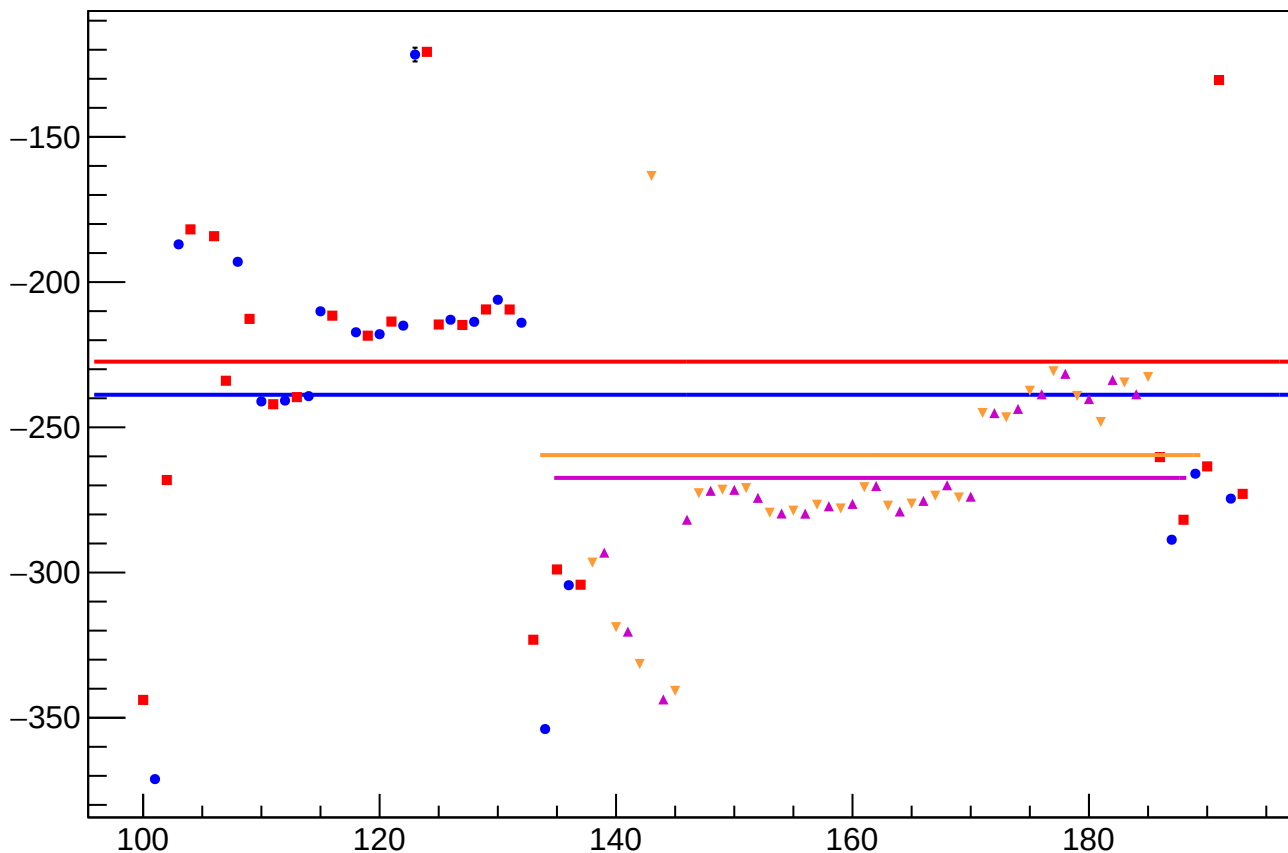
Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

+ sign 138.401 $\pm$ 1.398 χ^2 /NDF: 1516.6/44

All: 136.883 $\pm$ 0.996 χ^2 /NDF: 2790.0/91

- sign 135.319 $\pm$ 1.419 χ^2 /NDF: 1271.0/46

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -238.791+/-0.141 χ^2/NDF : 152743.1/19

Left Out: -259.557+/-0.079 χ^2/NDF : 238235.2/24

Right Out: -227.385+/-0.127 χ^2/NDF : 154097.5/23

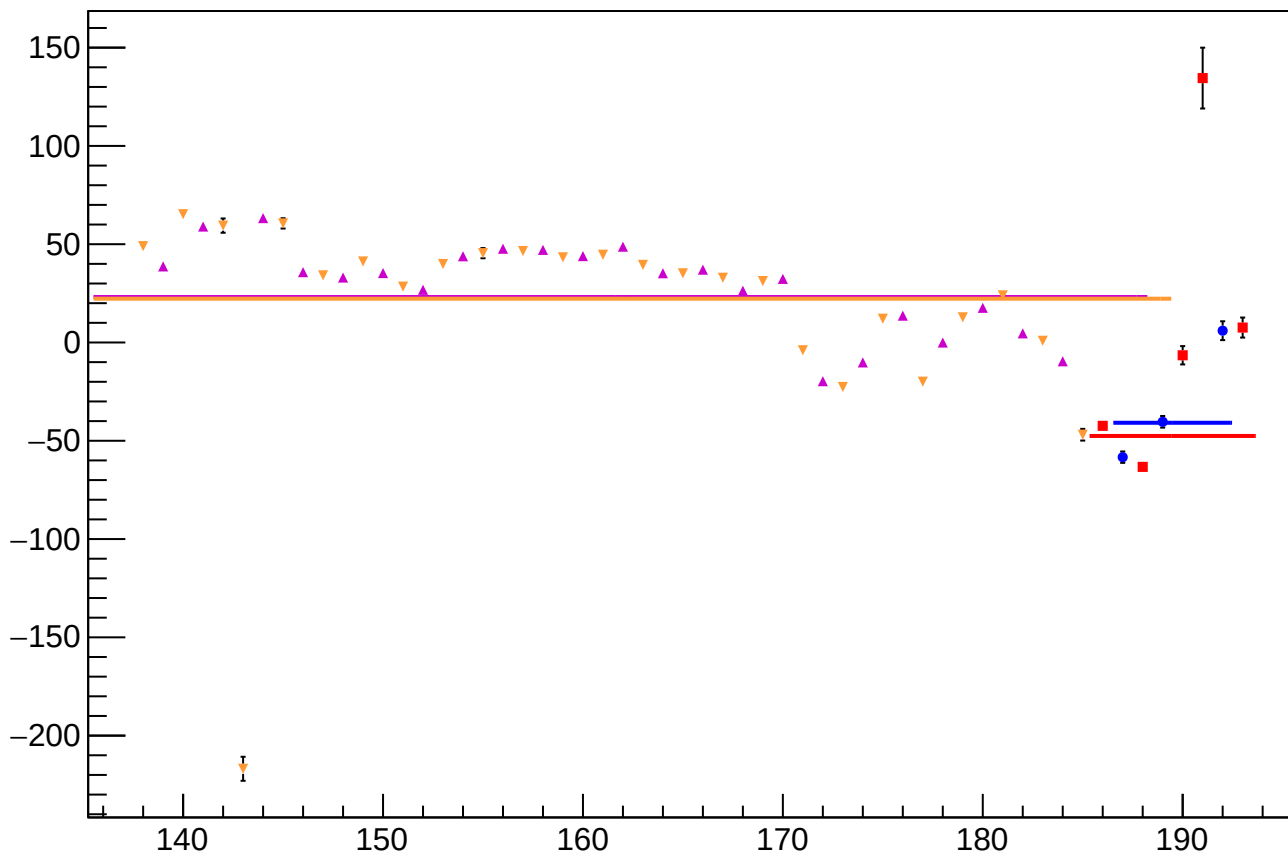
Left In: -267.417+/-0.082 χ^2/NDF : 98035.5/22

+ sign -254.577+/-0.069 χ^2/NDF : 407509.7/44

All: -255.125+/-0.049 χ^2/NDF : 730285.7/91

- sign -255.667+/-0.069 χ^2/NDF : 322650.5/46

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -40.839 ± 1.897 $\chi^2/\text{NDF}: 132.4/2$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -47.552 ± 1.099 $\chi^2/\text{NDF}: 443.4/4$

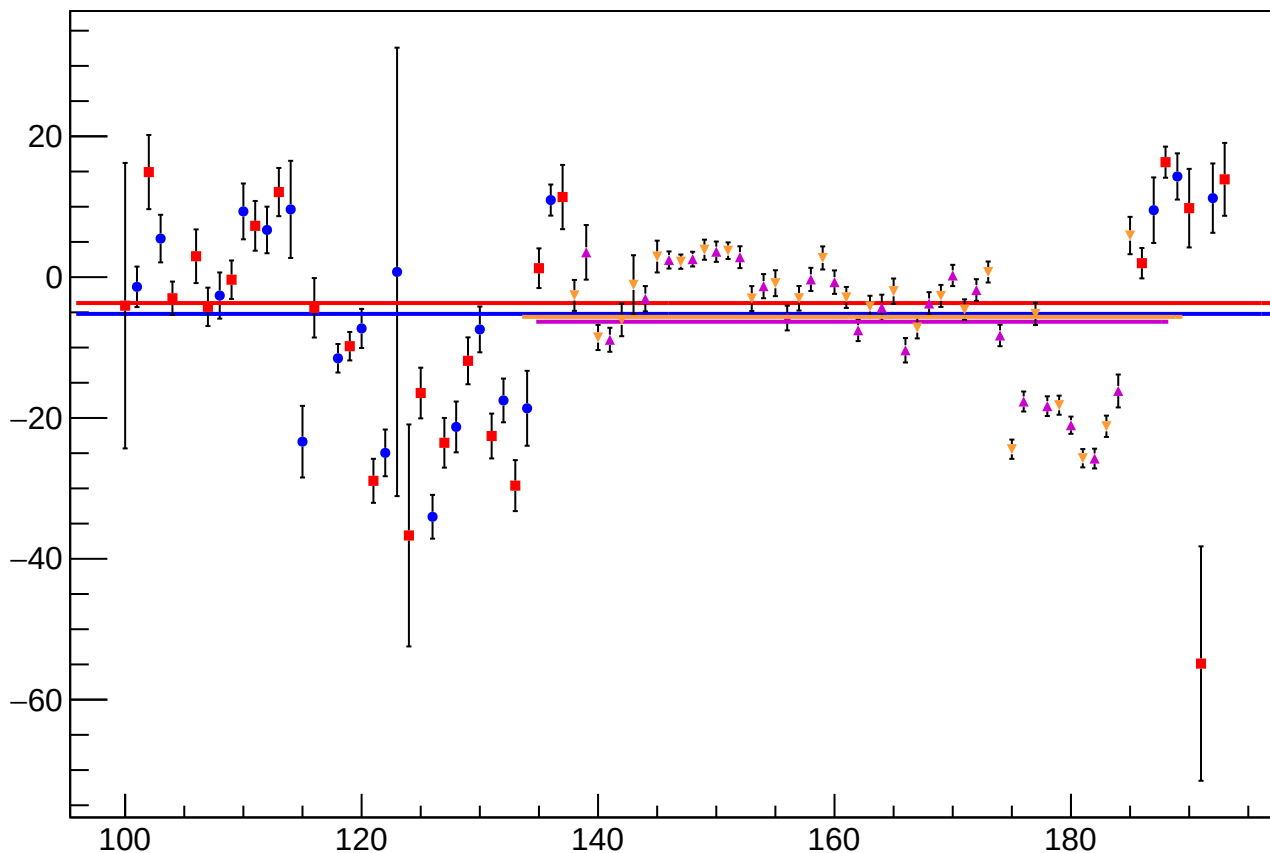
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 19.608 ± 0.390 $\chi^2/\text{NDF}: 6363.8/27$

All: 17.131 ± 0.271 $\chi^2/\text{NDF}: 13278.0/55$

- sign 14.818 ± 0.377 $\chi^2/\text{NDF}: 6836.3/27$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.220 ± 0.749 χ^2/NDF : 340.3/19

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -3.678 ± 0.672 χ^2/NDF : 393.2/23

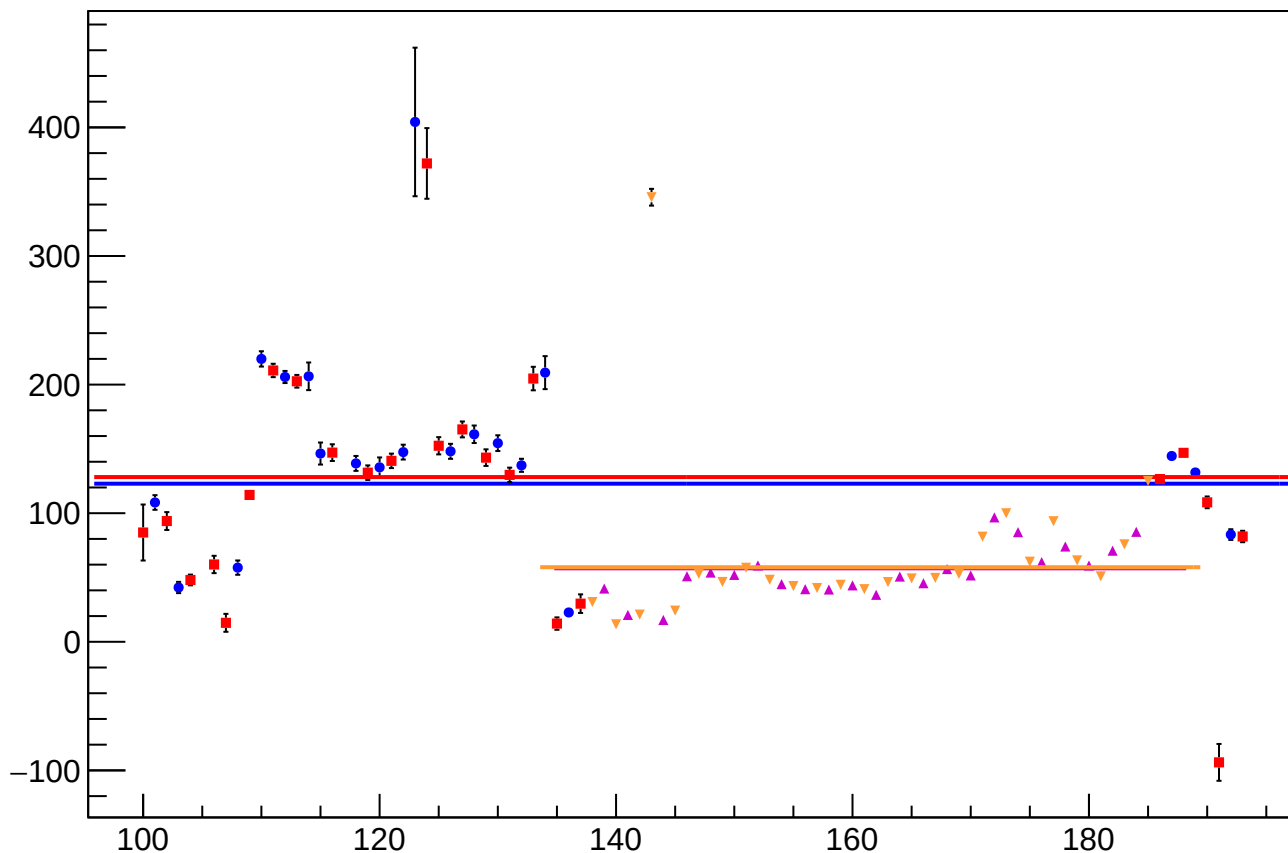
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.579 ± 0.291 χ^2/NDF : 1234.3/44

All: -5.711 ± 0.205 χ^2/NDF : 2423.7/91

- sign -5.842 ± 0.290 χ^2/NDF : 1188.9/46

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 122.950 $\pm$ 1.059 χ^2 /NDF: 2361.1/19

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 128.092 $\pm$ 0.749 χ^2 /NDF: 2813.6/23

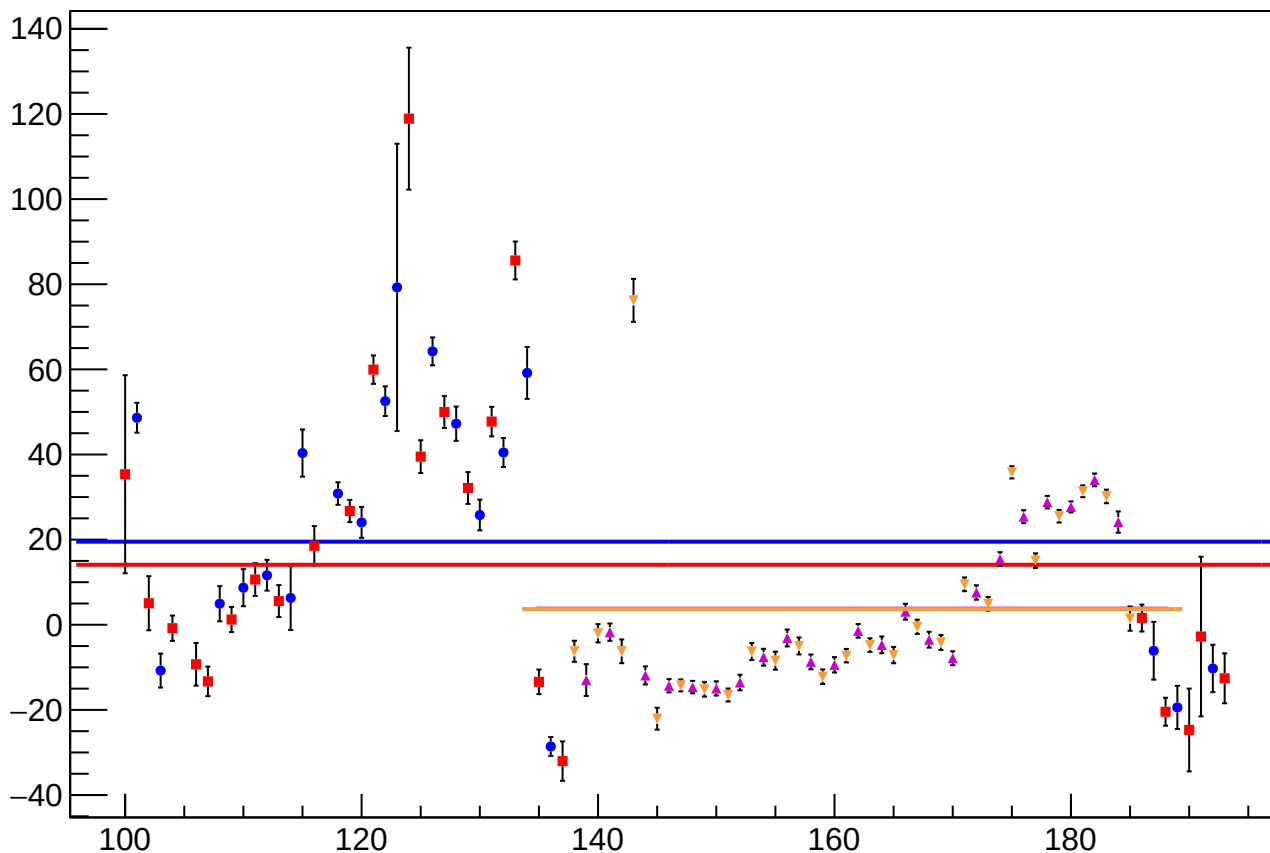
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 66.024 $\pm$ 0.373 χ^2 /NDF: 10292.3/44

All: 69.636 $\pm$ 0.256 χ^2 /NDF: 22079.5/91

- sign 72.871 $\pm$ 0.352 χ^2 /NDF: 11609.0/46

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 19.520 $\pm$ 0.868 χ^2 /NDF: 1170.7/19

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 14.097 $\pm$ 0.803 χ^2 /NDF: 1254.4/23

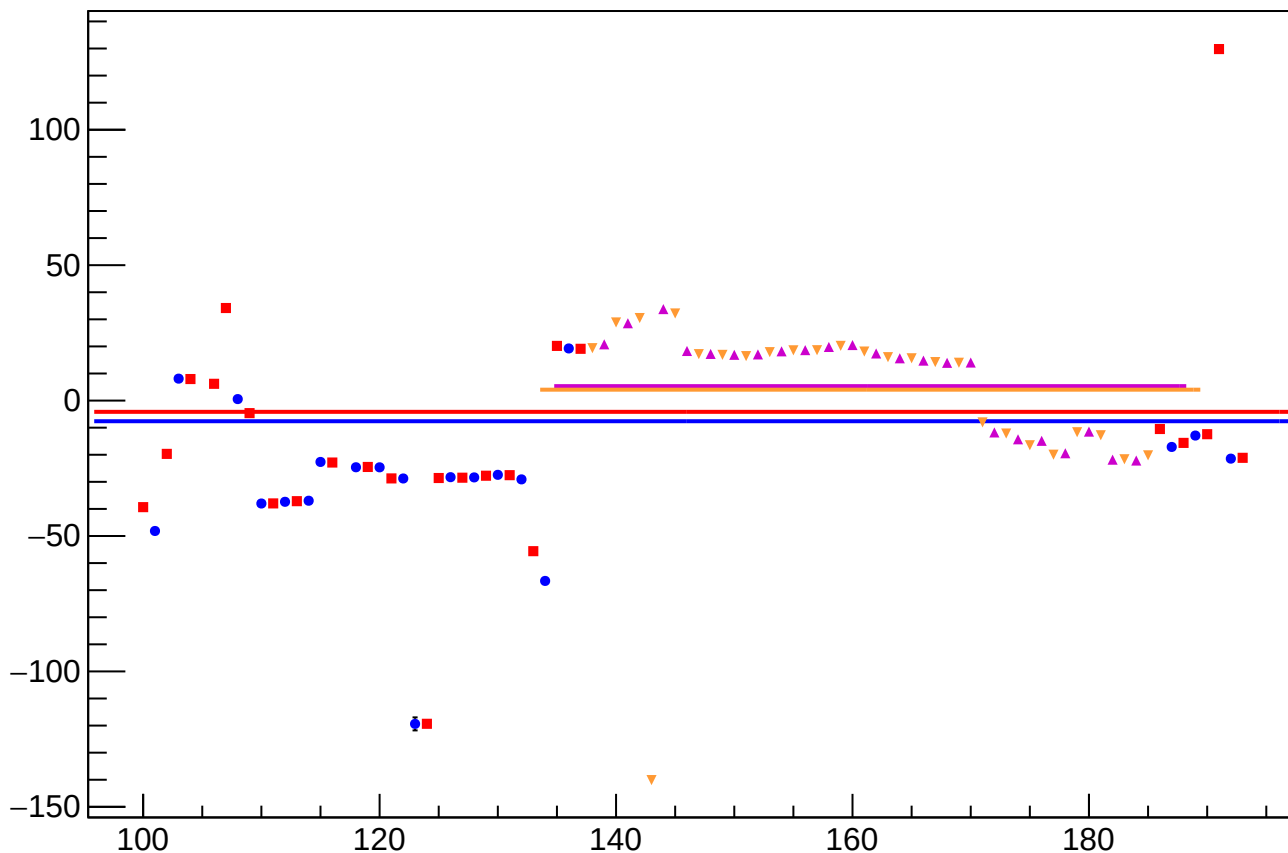
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.972 $\pm$ 0.330 χ^2 /NDF: 3997.0/44

All: 5.748 $\pm$ 0.233 χ^2 /NDF: 7588.1/91

- sign 5.524 $\pm$ 0.330 χ^2 /NDF: 3590.2/46

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -7.620 ± 0.044 χ^2/NDF : 272208.9/19

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -4.153 ± 0.042 χ^2/NDF : 348922.8/23

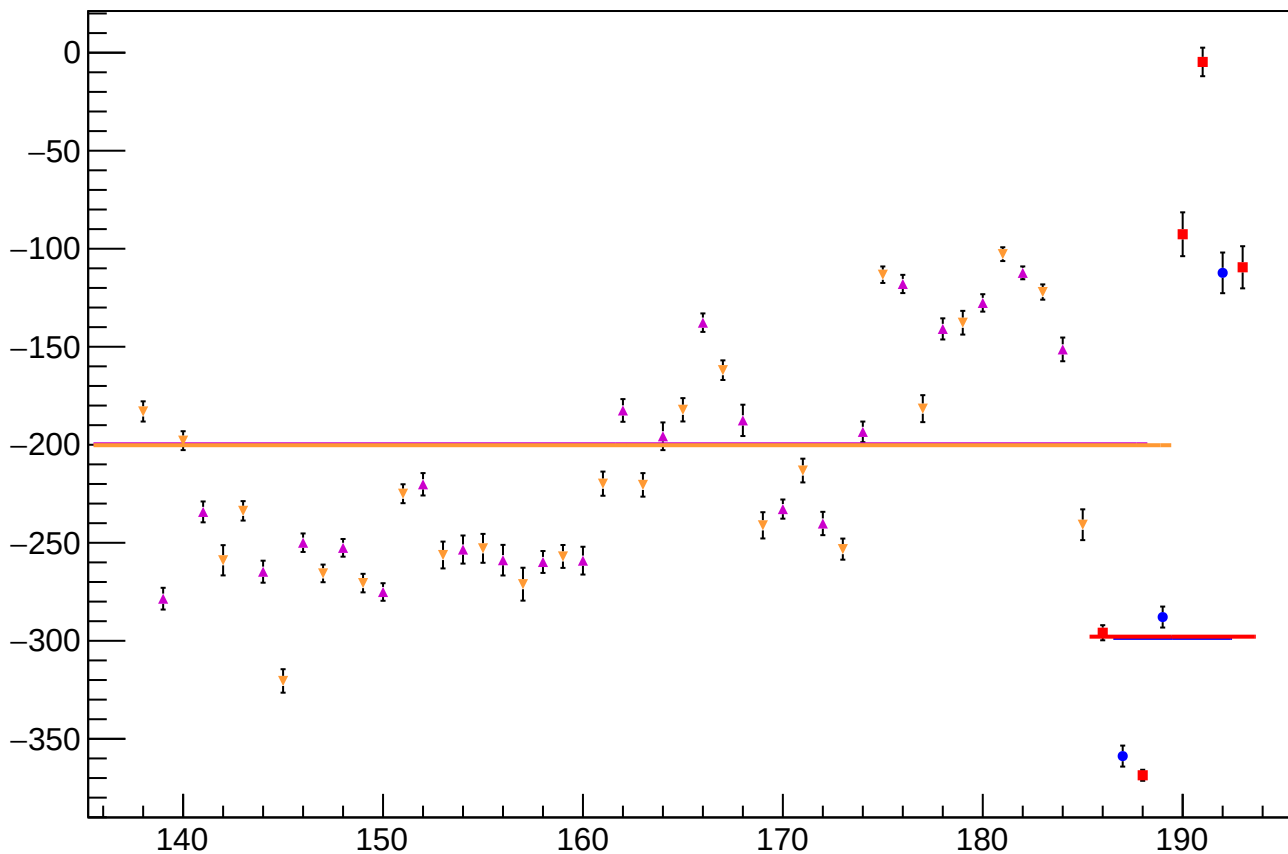
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 2.594 ± 0.015 χ^2/NDF : 1717625.4/44

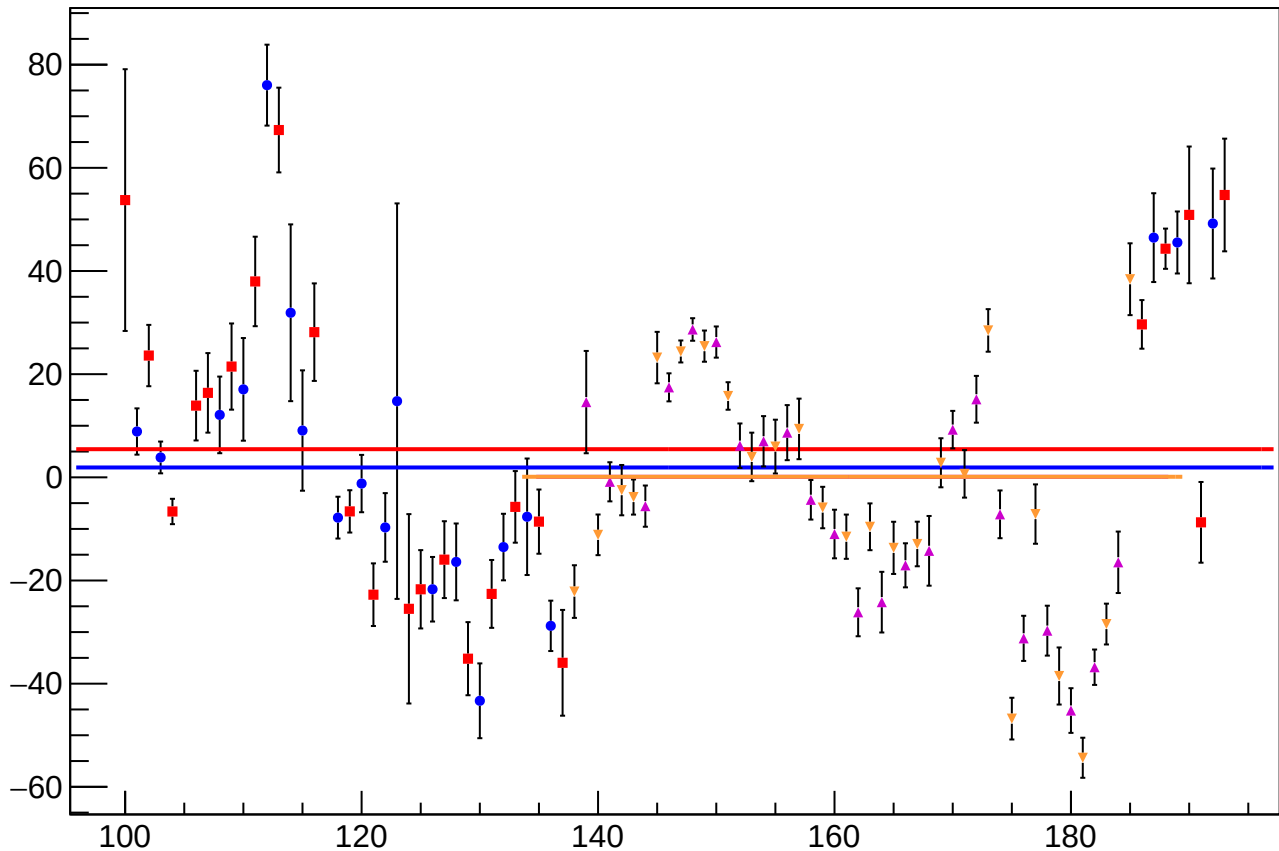
All: 3.326 ± 0.011 χ^2/NDF : 3193995.7/91

- sign 4.054 ± 0.015 χ^2/NDF : 1471817.6/46

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 1.912 ± 1.396 $\chi^2/\text{NDF}: 313.3/19$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 5.457 ± 1.237 $\chi^2/\text{NDF}: 411.2/23$

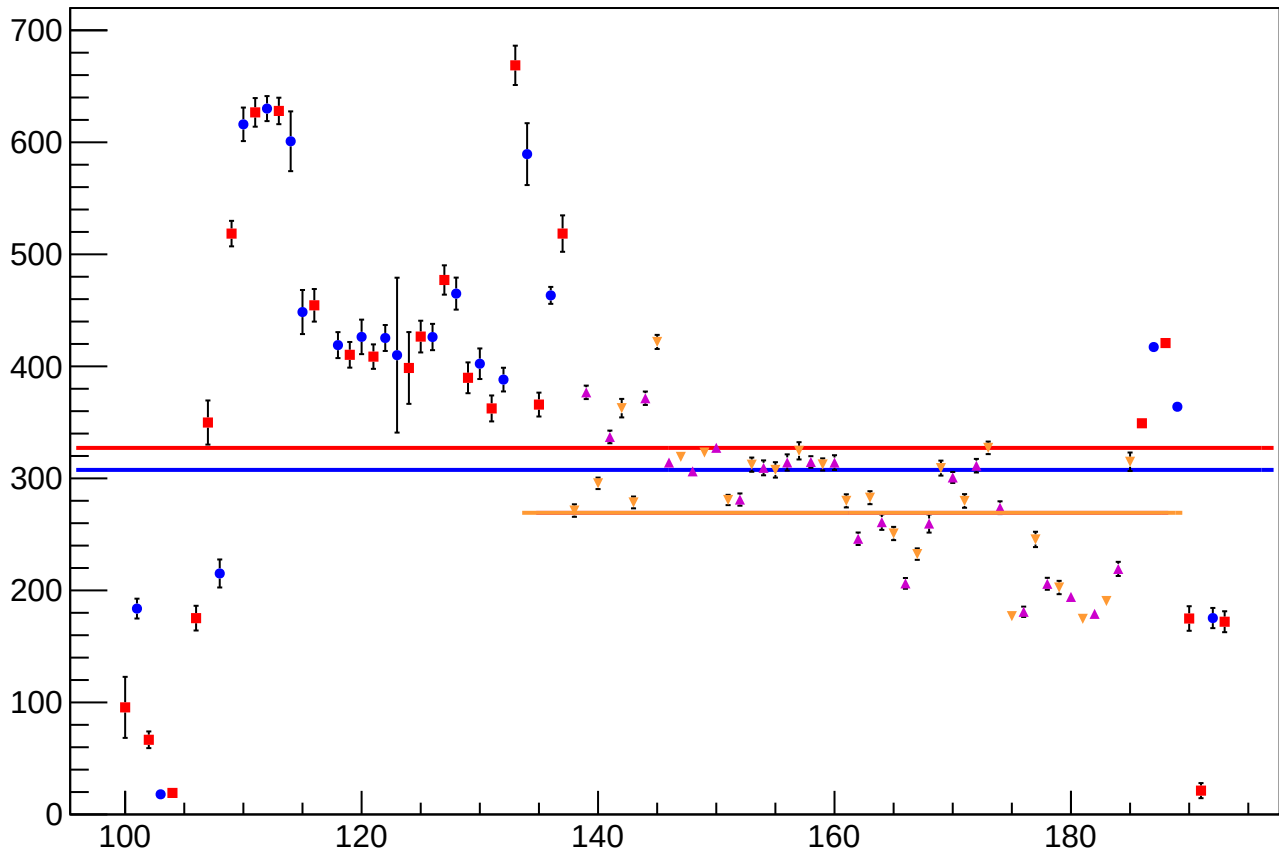
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 0.561 ± 0.699 $\chi^2/\text{NDF}: 1145.7/44$

All: 1.176 ± 0.492 $\chi^2/\text{NDF}: 2286.8/91$

- sign 1.782 ± 0.694 $\chi^2/\text{NDF}: 1139.5/46$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 307.568 ± 1.905 $\chi^2/\text{NDF}: 8904.9/19$

Left Out: 269.278 ± 1.078 $\chi^2/\text{NDF}: 3146.7/24$

Right Out: 327.205 ± 1.402 $\chi^2/\text{NDF}: 13215.5/23$

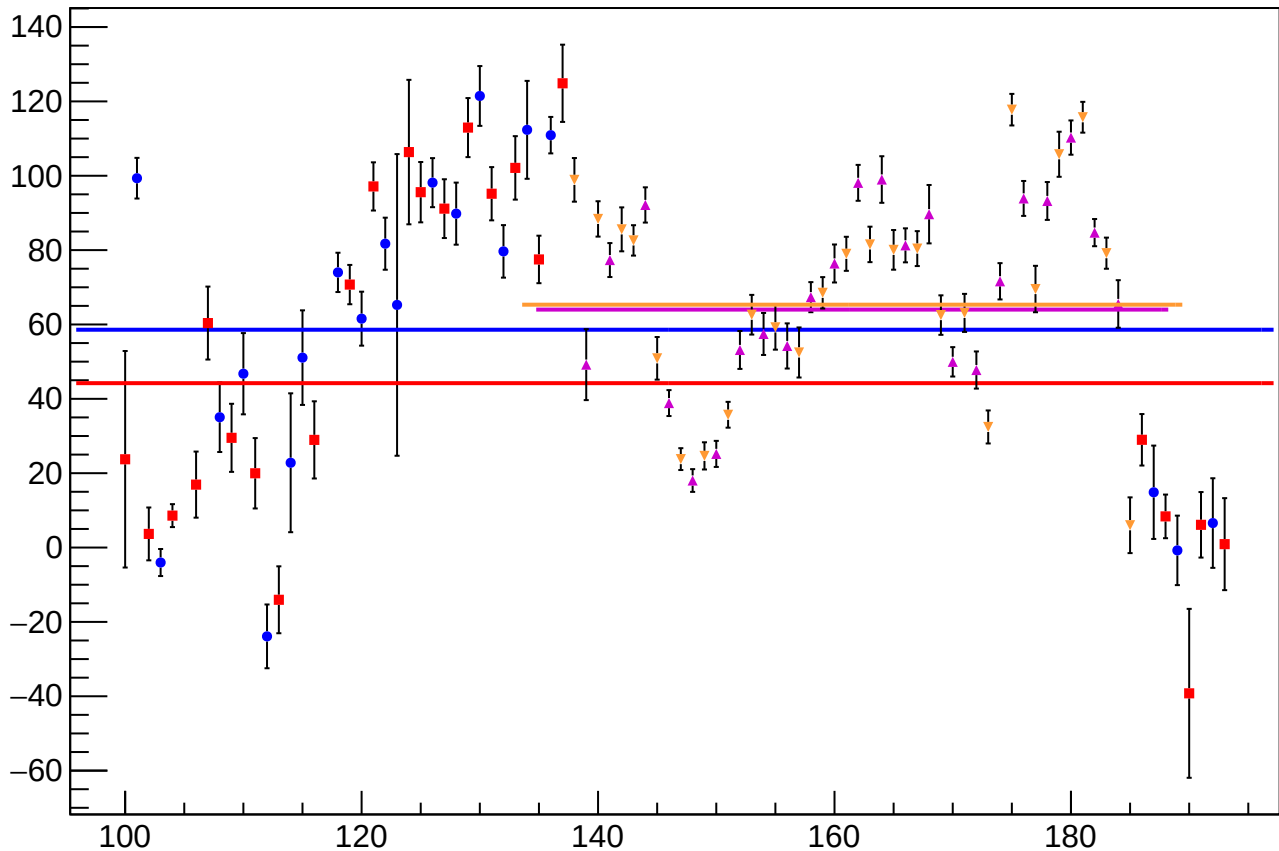
Left In: 269.191 ± 1.091 $\chi^2/\text{NDF}: 3170.2/22$

+ sign 278.561 ± 0.938 $\chi^2/\text{NDF}: 12357.7/44$

All: 285.349 ± 0.634 $\chi^2/\text{NDF}: 29906.9/91$

- sign 291.067 ± 0.861 $\chi^2/\text{NDF}: 17452.7/46$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 58.586 ± 1.639 $\chi^2/\text{NDF}: 797.0/19$

Left Out: 65.323 ± 0.935 $\chi^2/\text{NDF}: 1007.1/24$

Right Out: 44.215 ± 1.505 $\chi^2/\text{NDF}: 754.6/23$

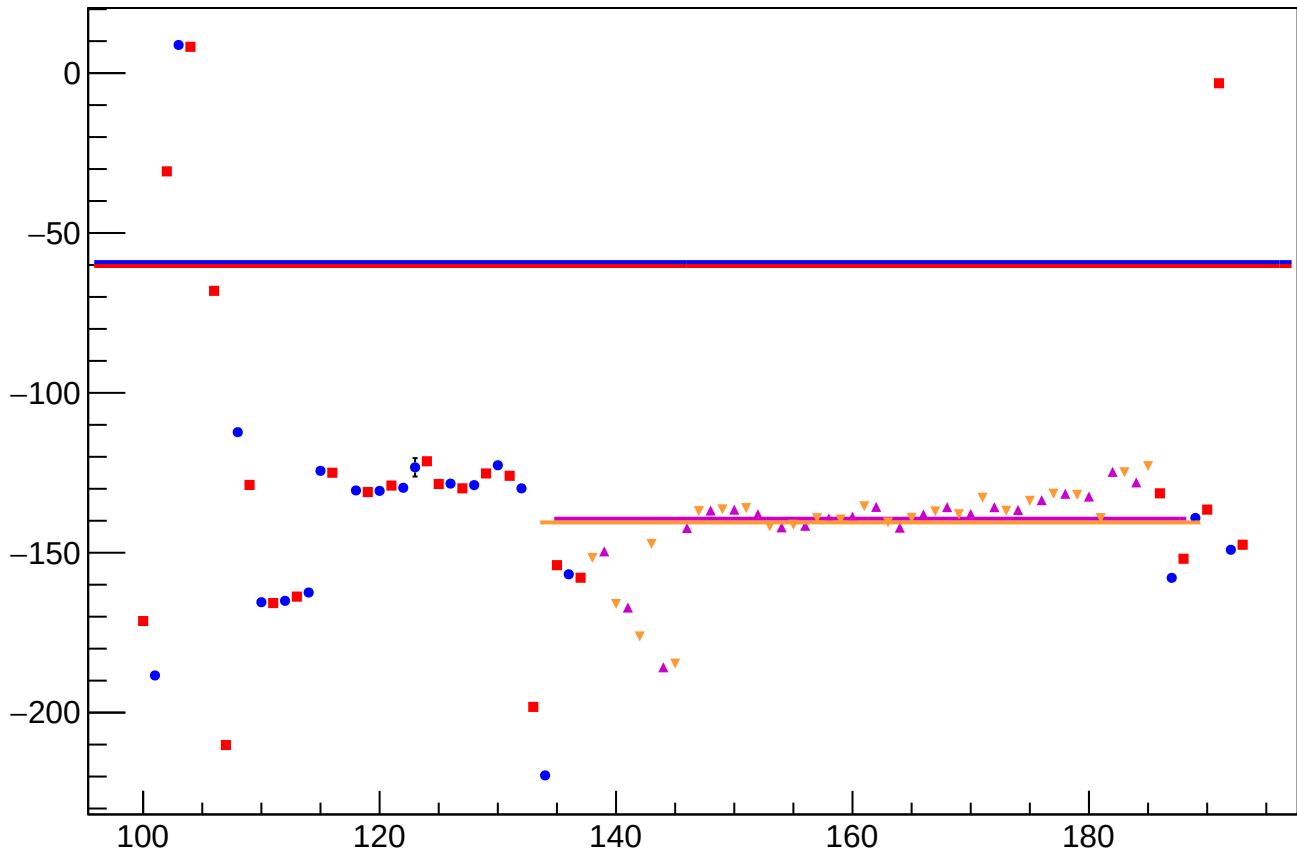
Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

+ sign 63.670 ± 0.812 $\chi^2/\text{NDF}: 1816.8/44$

All: 60.960 ± 0.574 $\chi^2/\text{NDF}: 3515.7/91$

- sign 58.256 ± 0.811 $\chi^2/\text{NDF}: 1676.6/46$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -59.113 ± 0.068 χ^2/NDF : 1336604.7/19

Left Out: -140.519 ± 0.045 χ^2/NDF : 77489.0/24

Right Out: -60.320 ± 0.066 χ^2/NDF : 1194620.8/23

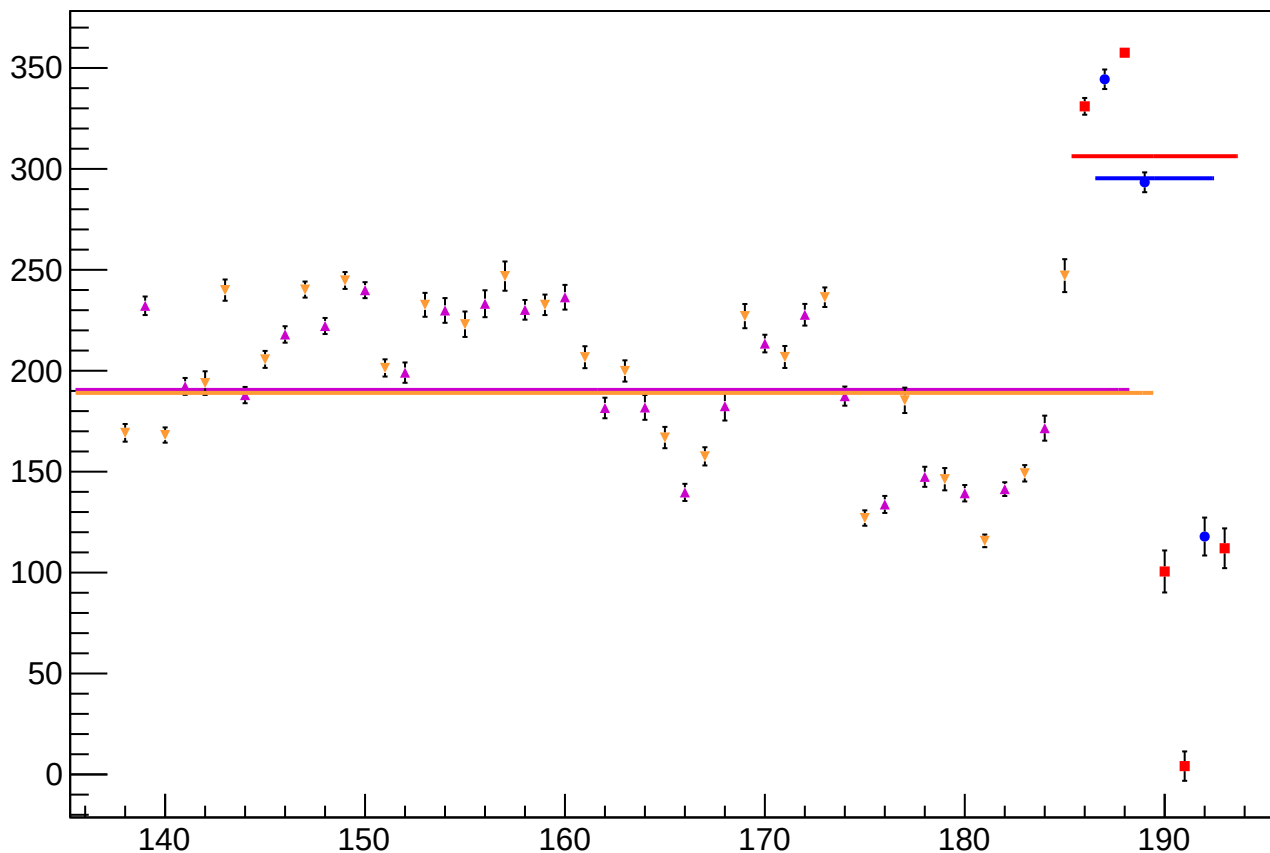
Left In: -139.360 ± 0.045 χ^2/NDF : 62449.0/22

+ sign -116.159 ± 0.037 χ^2/NDF : 2413099.3/44

All: -115.083 ± 0.026 χ^2/NDF : 4660551.2/91

- sign -114.018 ± 0.037 χ^2/NDF : 2245794.8/46

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 295.359 $\pm$ 3.237 χ^2 /NDF: 459.9/2

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 306.288 $\pm$ 1.978 χ^2 /NDF: 2956.2/4

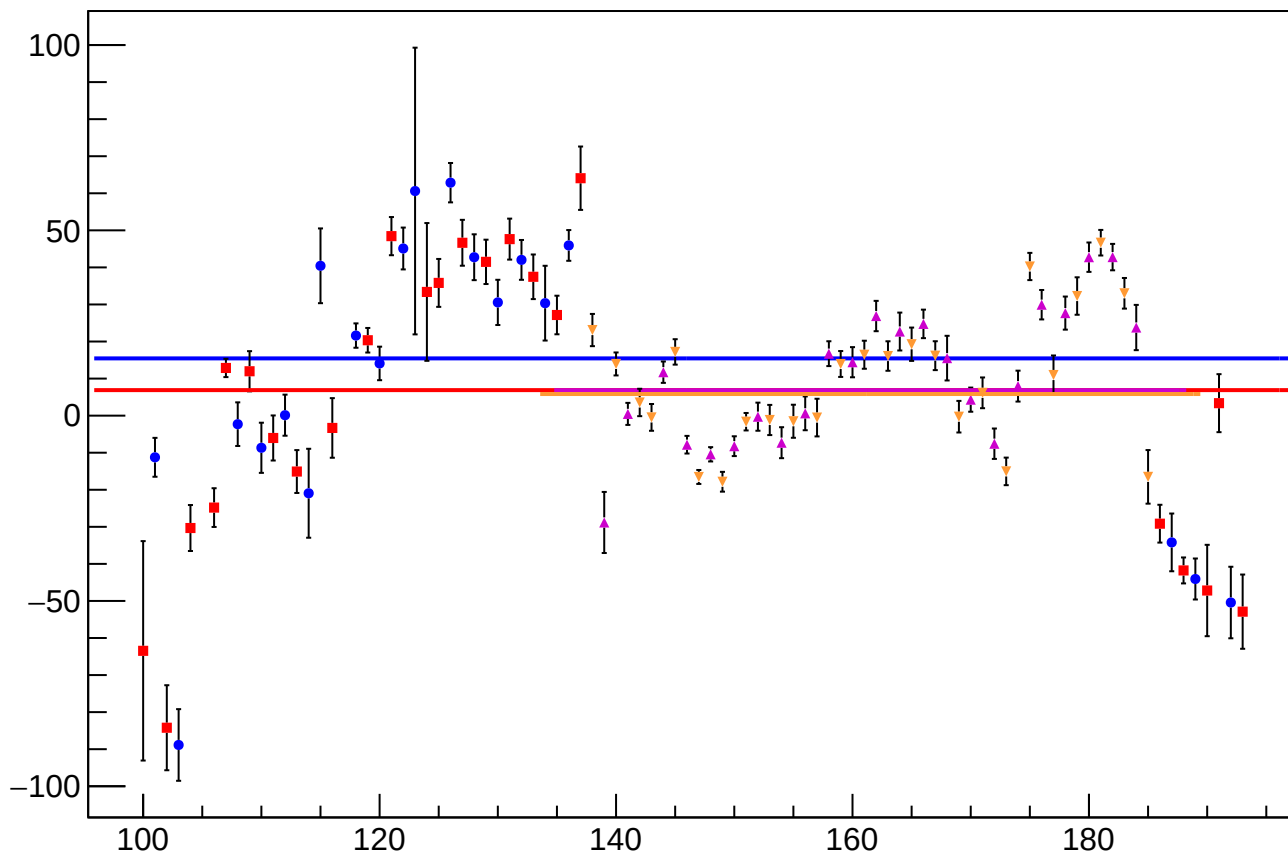
Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 197.557 $\pm$ 0.917 χ^2 /NDF: 3433.2/27

All: 205.718 $\pm$ 0.633 χ^2 /NDF: 10710.3/55

- sign 213.145 $\pm$ 0.875 χ^2 /NDF: 7125.8/27

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 15.448 $\pm$ 1.323 χ^2 /NDF: 608.6/19

Left Out: 5.834 $\pm$ 0.712 χ^2 /NDF: 652.2/24

Right Out: 6.887 $\pm$ 1.107 χ^2 /NDF: 785.3/23

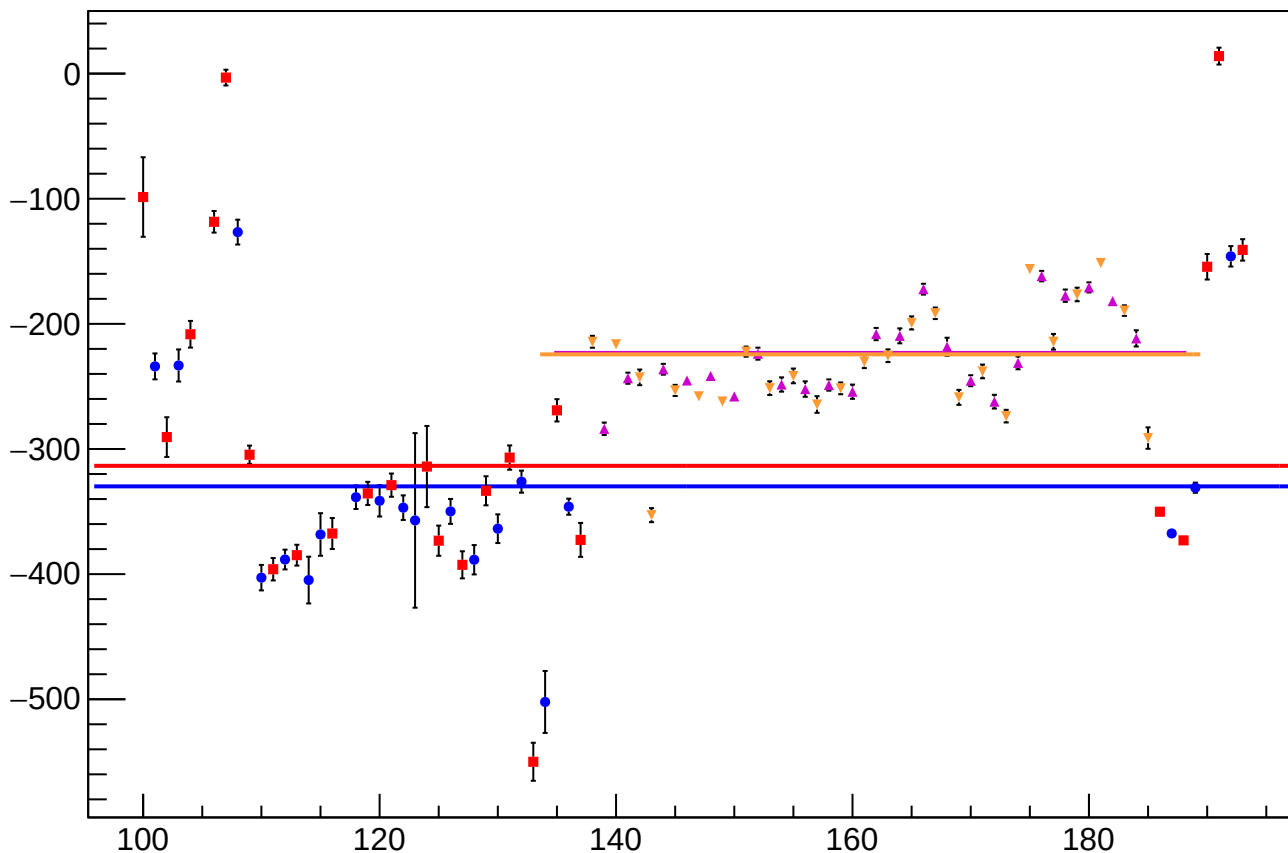
Left In: 6.862 $\pm$ 0.736 χ^2 /NDF: 522.7/22

+ sign 7.996 $\pm$ 0.627 χ^2 /NDF: 1301.8/44

All: 7.420 $\pm$ 0.438 χ^2 /NDF: 2611.4/91

- sign 6.869 $\pm$ 0.613 χ^2 /NDF: 1308.0/46

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -329.869 ± 1.863 $\chi^2/\text{NDF}: 1382.8/19$

Left Out: -224.364 ± 0.956 $\chi^2/\text{NDF}: 2103.2/24$

Right Out: -313.455 ± 1.327 $\chi^2/\text{NDF}: 7629.7/23$

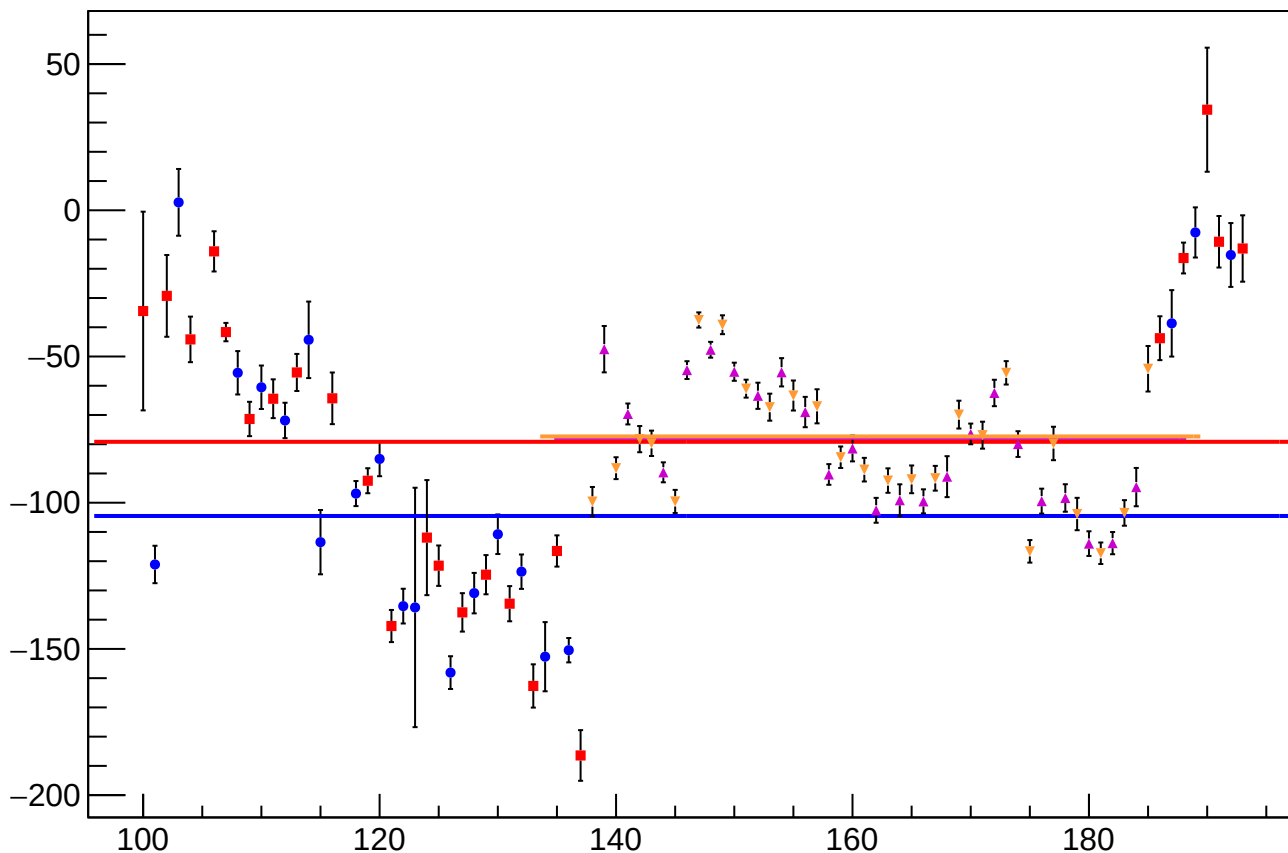
Left In: -223.223 ± 0.969 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -246.359 ± 0.851 $\chi^2/\text{NDF}: 6025.0/44$

All: -250.830 ± 0.576 $\chi^2/\text{NDF}: 17990.6/91$

- sign -254.615 ± 0.783 $\chi^2/\text{NDF}: 11914.6/46$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -104.536 ± 1.543 χ^2/NDF : 750.0/19

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -79.172 ± 1.334 χ^2/NDF : 1298.4/23

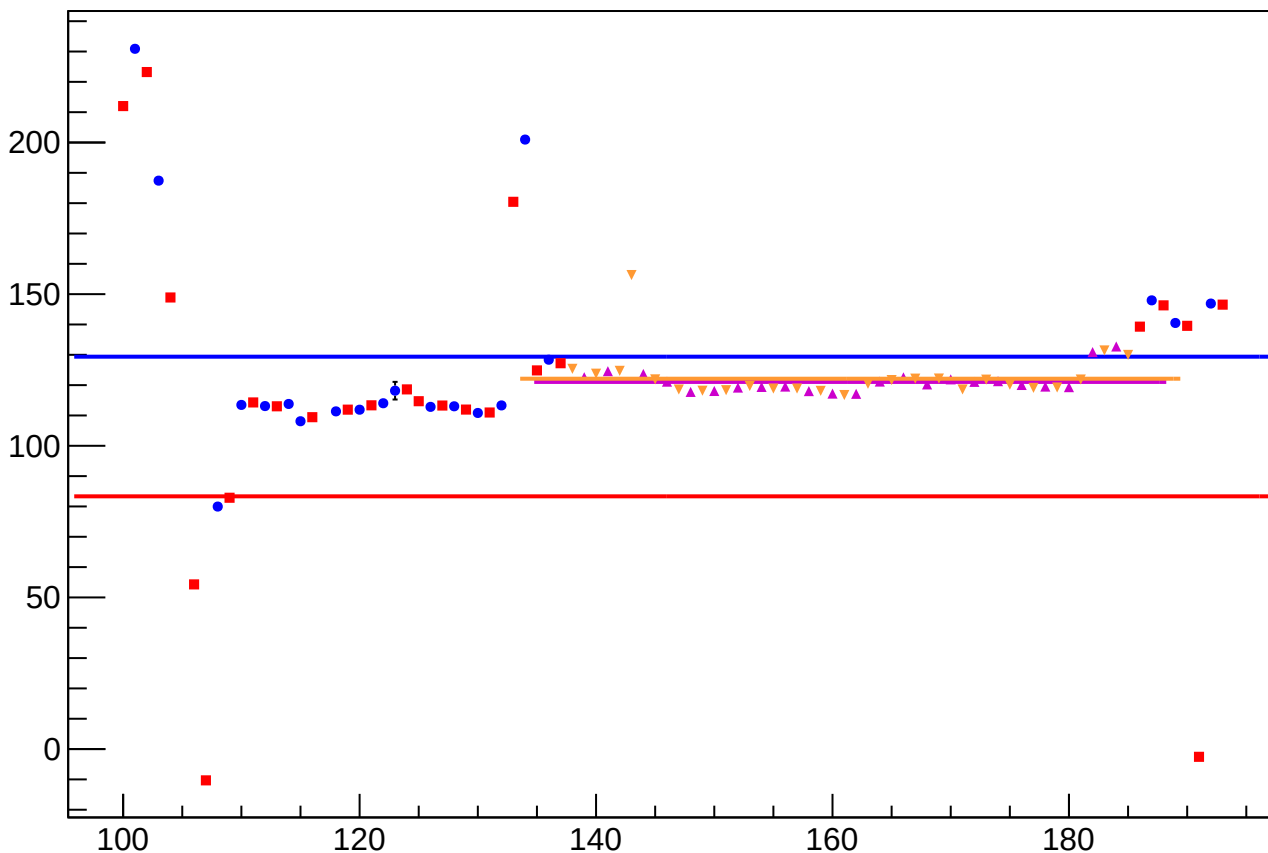
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -83.407 ± 0.729 χ^2/NDF : 1837.5/44

All: -80.769 ± 0.511 χ^2/NDF : 3785.2/91

- sign -78.223 ± 0.716 χ^2/NDF : 1921.9/46

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 129.383 $\pm$ 0.084 χ^2 /NDF: 192326.7/19

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 83.335 $\pm$ 0.068 χ^2 /NDF: 990742.0/23

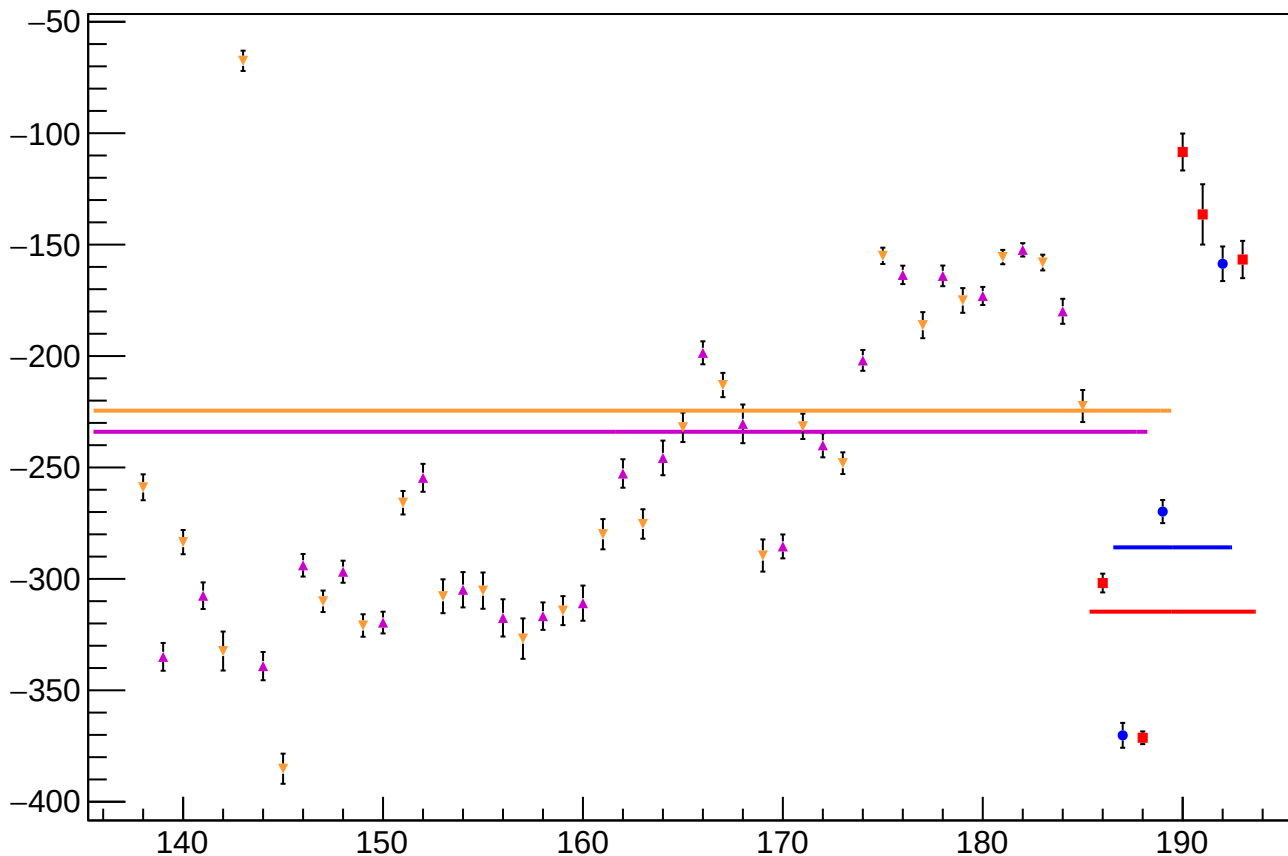
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 123.424 $\pm$ 0.036 χ^2 /NDF: 228908.9/44

All: 117.143 $\pm$ 0.025 χ^2 /NDF: 1518631.8/91

- sign 111.361 $\pm$ 0.034 χ^2 /NDF: 1230266.0/46

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -285.850 ± 3.416 χ^2/NDF : 506.4/2

Left Out: -224.501 ± 1.079 χ^2/NDF : 4870.6/24

Right Out: -314.707 ± 2.163 χ^2/NDF : 1551.9/4

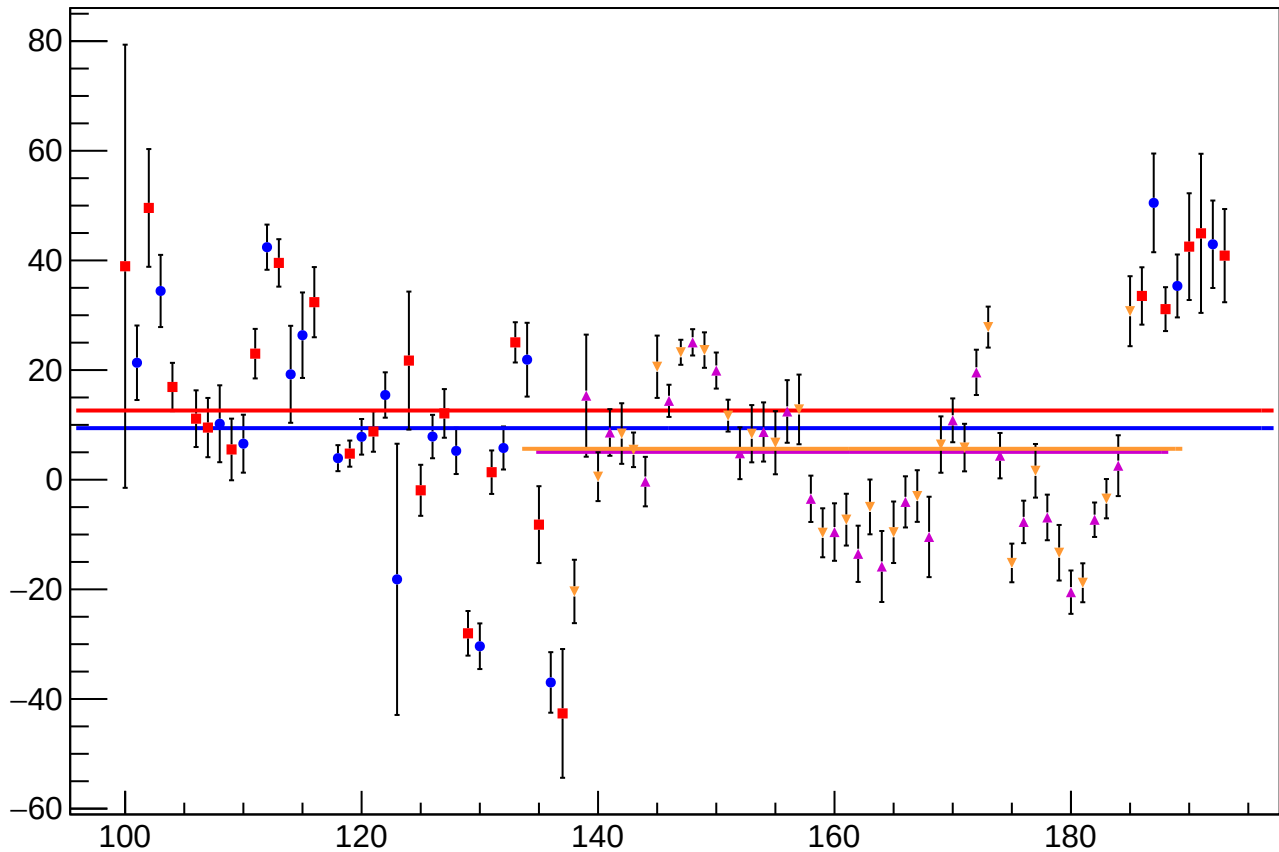
Left In: -233.988 ± 1.109 χ^2/NDF : 3538.4/22

+ sign -230.066 ± 1.029 χ^2/NDF : 5670.2/27

All: -240.860 ± 0.712 χ^2/NDF : 12074.9/55

- sign -250.782 ± 0.987 χ^2/NDF : 6193.5/27

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.406 ± 1.068 $\chi^2/\text{NDF}: 323.1/19$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 12.622 ± 1.002 $\chi^2/\text{NDF}: 303.9/23$

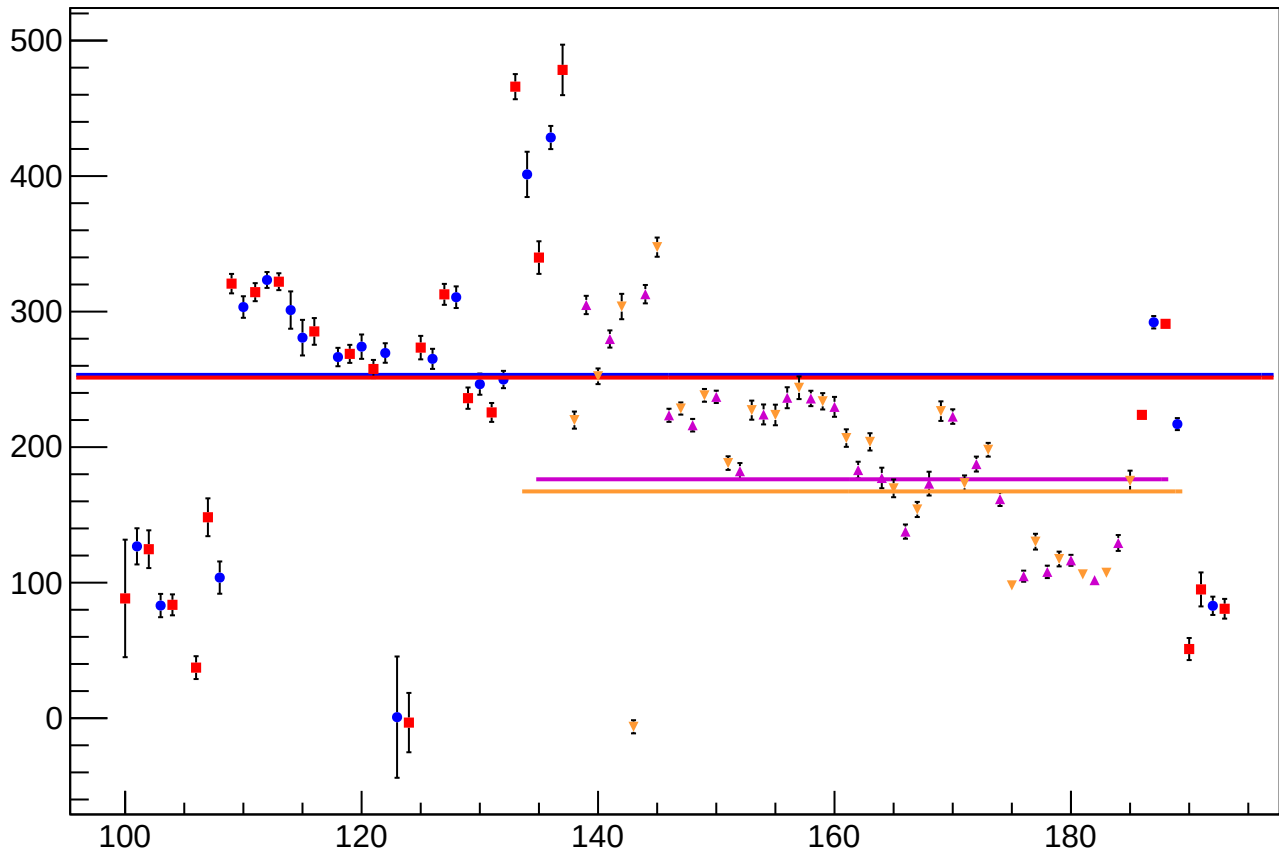
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 7.053 ± 0.654 $\chi^2/\text{NDF}: 644.5/44$

All: 7.683 ± 0.463 $\chi^2/\text{NDF}: 1222.3/91$

- sign 8.318 ± 0.656 $\chi^2/\text{NDF}: 575.9/46$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 253.307 $\pm$ 1.694 χ^2 /NDF: 2212.9/19

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF: 4454.5/24

Right Out: 251.316 $\pm$ 1.322 χ^2 /NDF: 4232.0/23

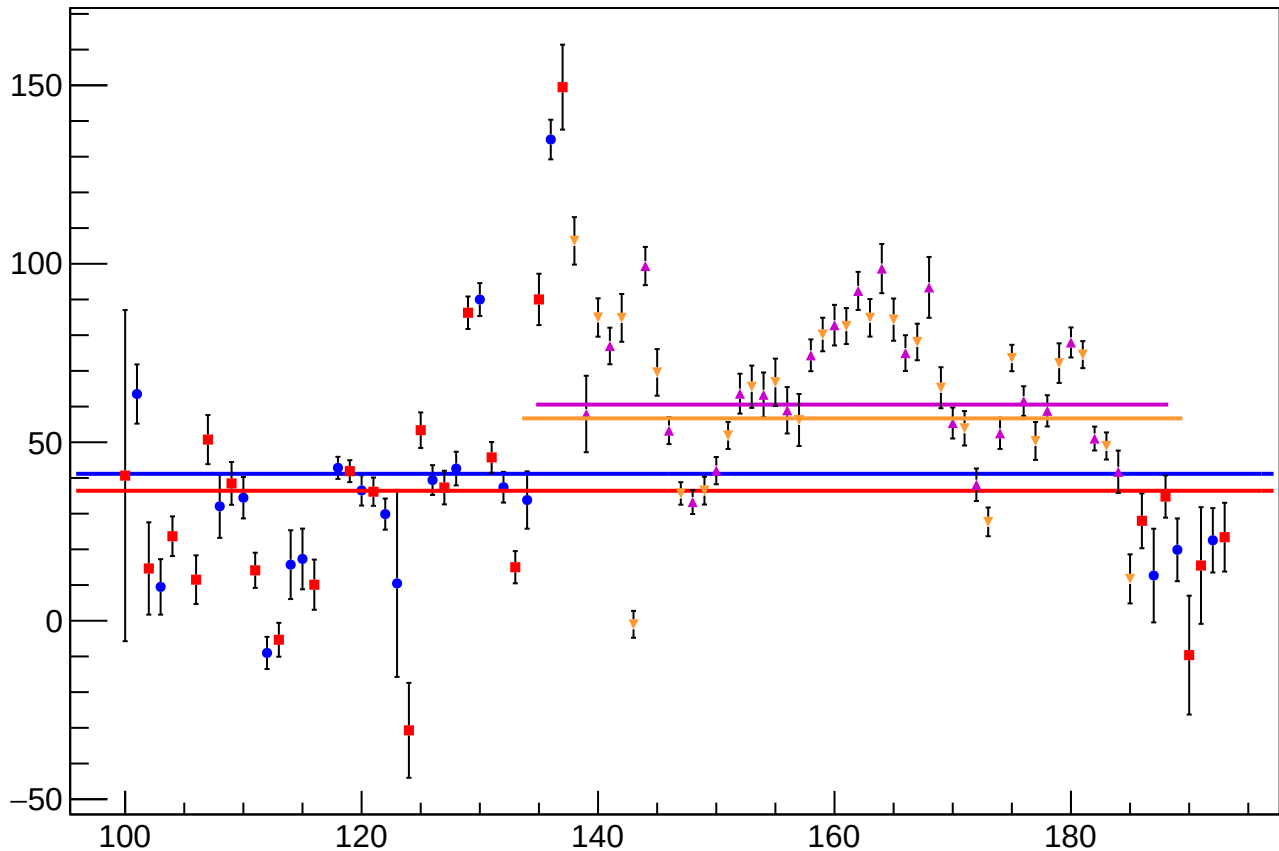
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF: 3169.5/22

+ sign 192.255 $\pm$ 0.912 χ^2 /NDF: 8496.4/44

All: 200.257 $\pm$ 0.621 χ^2 /NDF: 17938.2/91

- sign 207.174 $\pm$ 0.848 χ^2 /NDF: 9298.2/46

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 41.164 $\pm$ 1.245 χ^2/NDF : 588.7/19

Left Out: 56.695 $\pm$ 0.952 χ^2/NDF : 690.4/24

Right Out: 36.411 $\pm$ 1.181 χ^2/NDF : 483.4/23

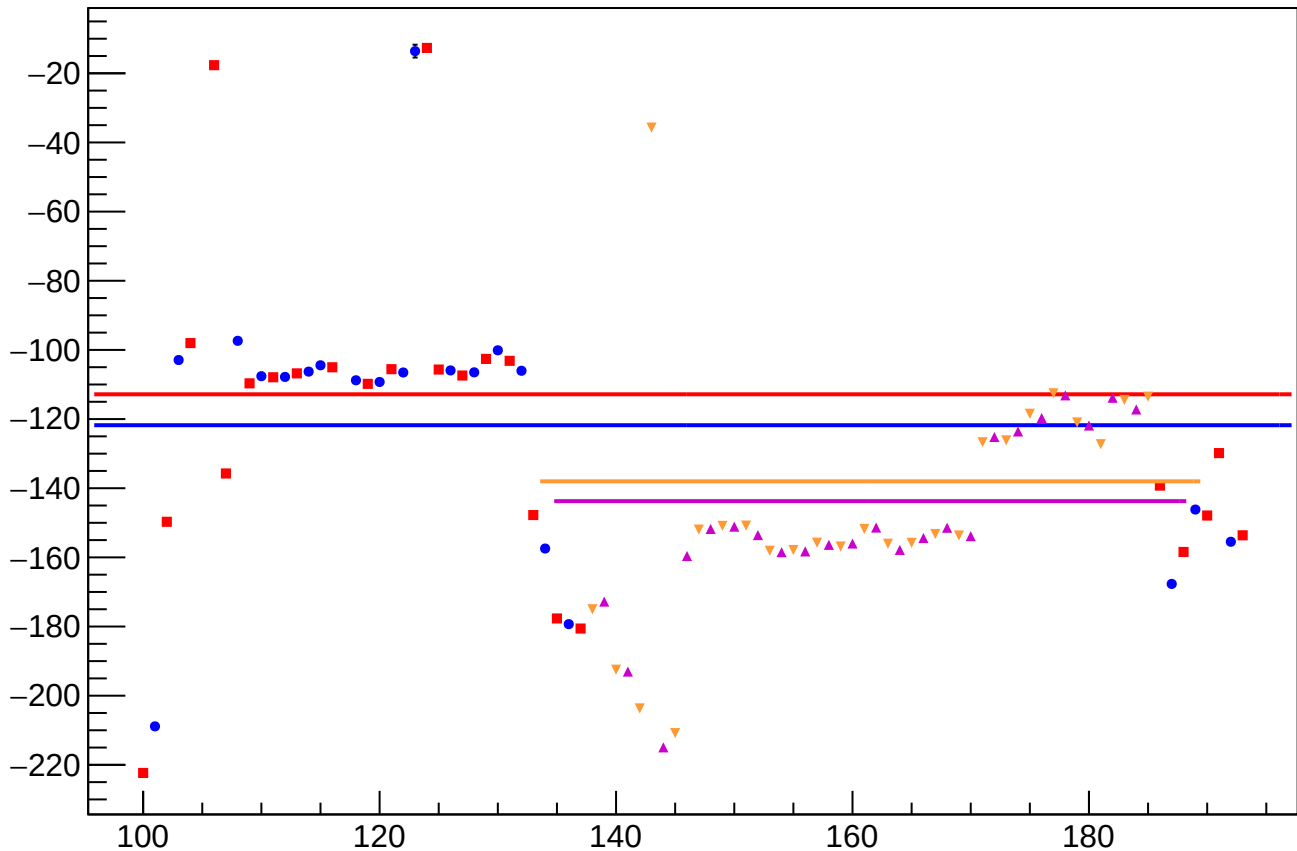
Left In: 60.555 $\pm$ 0.990 χ^2/NDF : 335.6/22

+ sign 50.969 $\pm$ 0.756 χ^2/NDF : 1377.3/44

All: 50.778 $\pm$ 0.536 χ^2/NDF : 2441.9/91

- sign 50.586 $\pm$ 0.759 χ^2/NDF : 1064.6/46

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.776+/-0.074 χ^2/NDF : 166489.1/19

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -112.834+/-0.067 χ^2/NDF : 385117.7/23

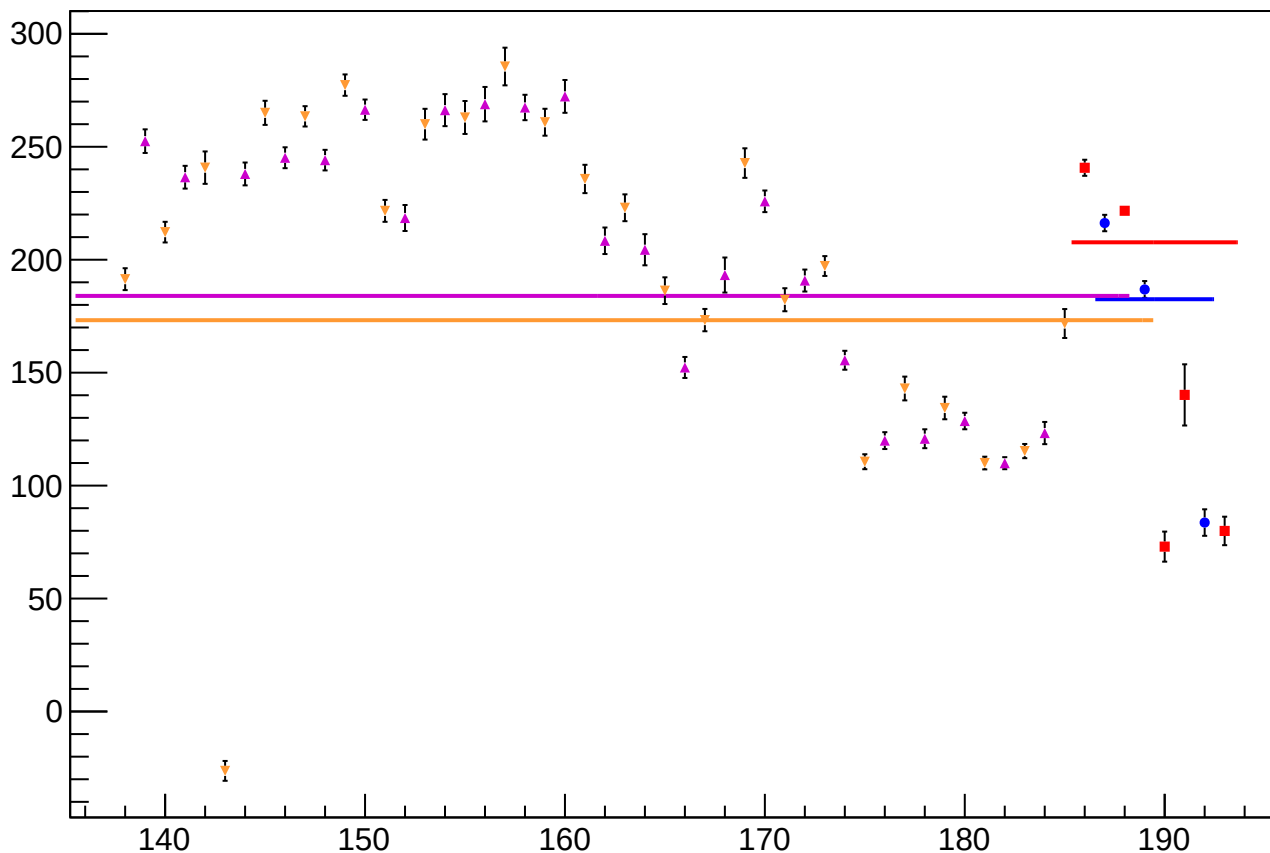
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -133.607+/-0.039 χ^2/NDF : 767333.3/44

All: -133.694+/-0.027 χ^2/NDF : 1555662.4/91

- sign -133.778+/-0.038 χ^2/NDF : 788319.2/46

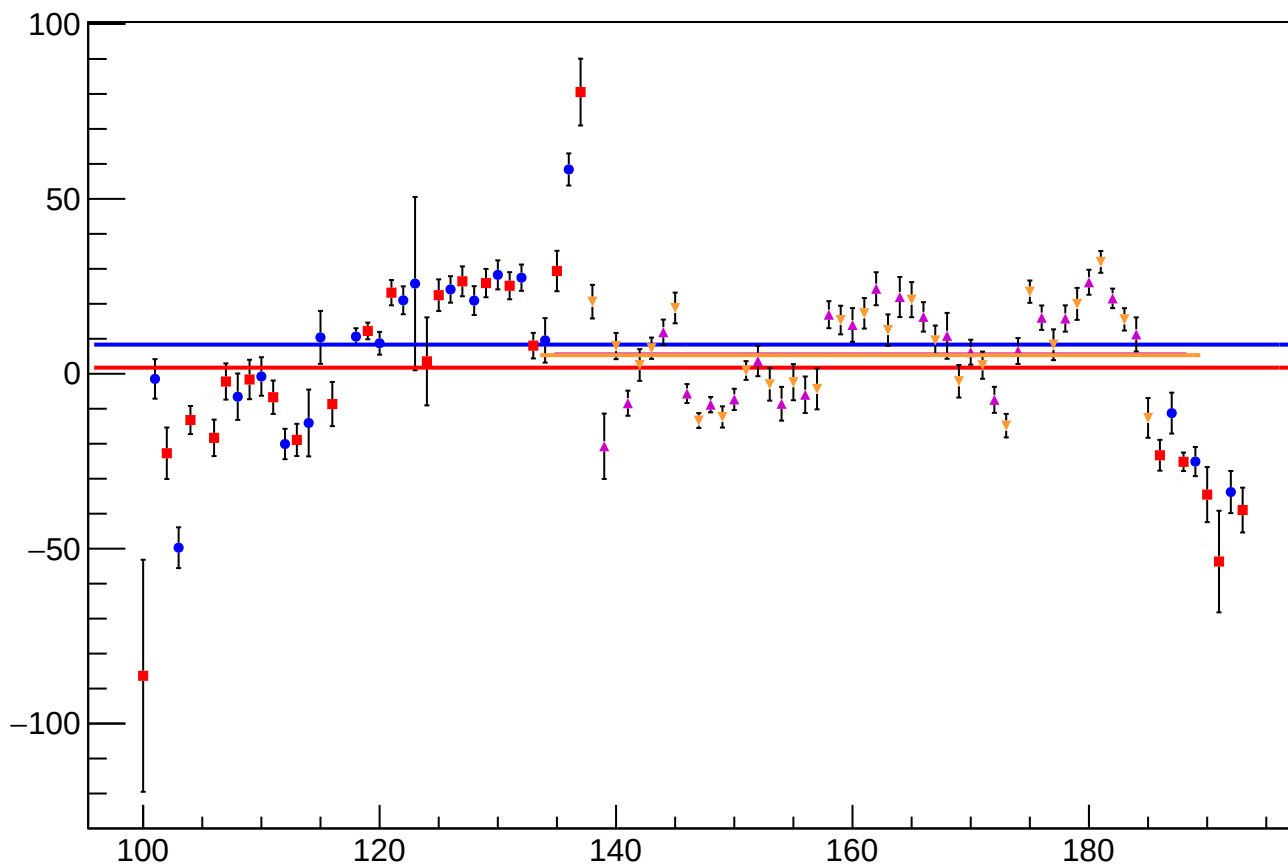
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 182.510 ± 2.376 $\chi^2/\text{NDF}: 371.5/2$
 Left Out: 173.229 ± 0.966 $\chi^2/\text{NDF}: 5846.0/24$
 Right Out: 207.708 ± 1.543 $\chi^2/\text{NDF}: 987.2/4$
 Left In: 183.984 ± 0.991 $\chi^2/\text{NDF}: 3613.7/22$

+ sign 174.545 ± 0.895 $\chi^2/\text{NDF}: 6230.6/27$
 All: 183.303 ± 0.610 $\chi^2/\text{NDF}: 11178.0/55$
 - sign 190.912 ± 0.834 $\chi^2/\text{NDF}: 4768.2/27$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 8.335 ± 1.011 χ^2/NDF : 488.8/19

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: 1.749 ± 0.933 χ^2/NDF : 561.0/23

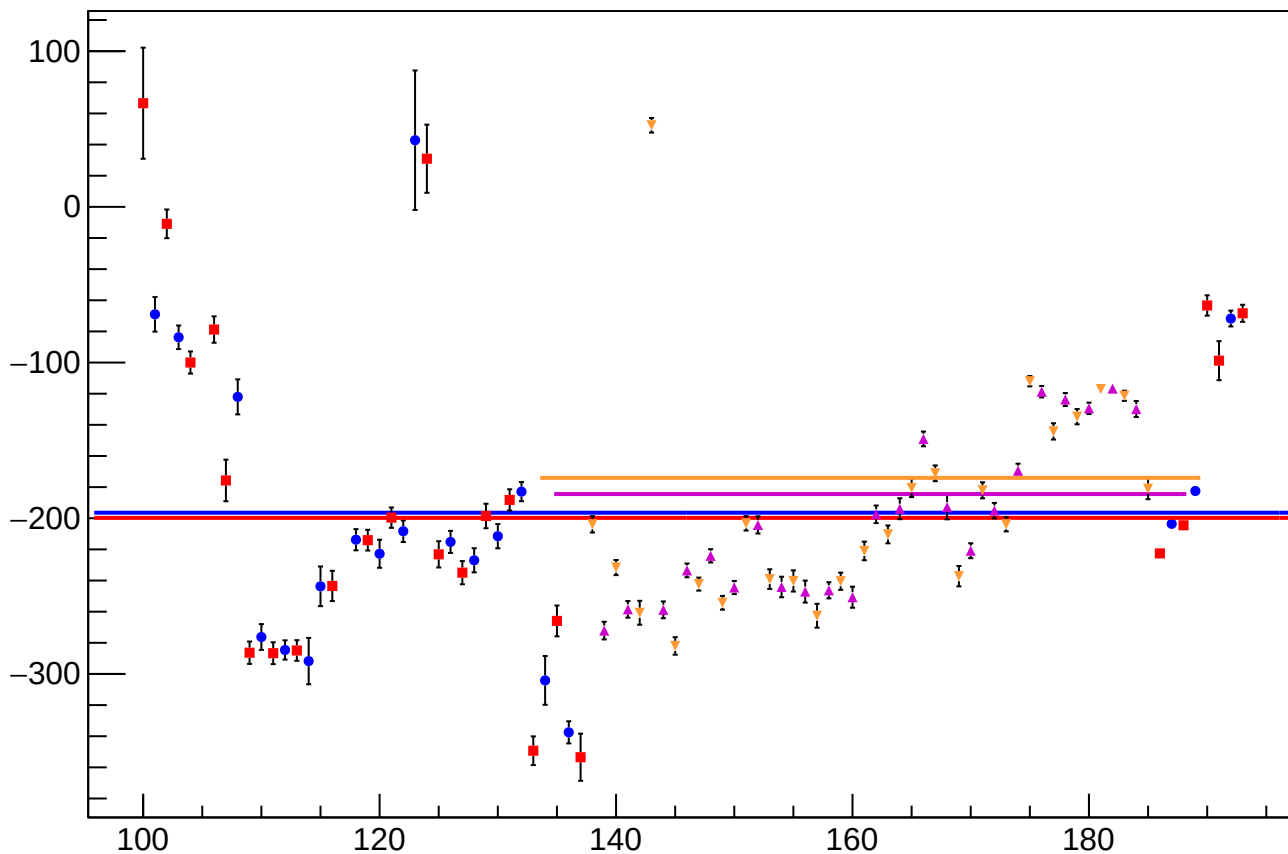
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 6.386 ± 0.601 χ^2/NDF : 840.0/44

All: 5.174 ± 0.424 χ^2/NDF : 1675.1/91

- sign 3.970 ± 0.599 χ^2/NDF : 827.0/46

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -196.444 ± 1.417 χ^2/NDF : 1888.8/19

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -199.751 ± 1.053 χ^2/NDF : 3073.2/23

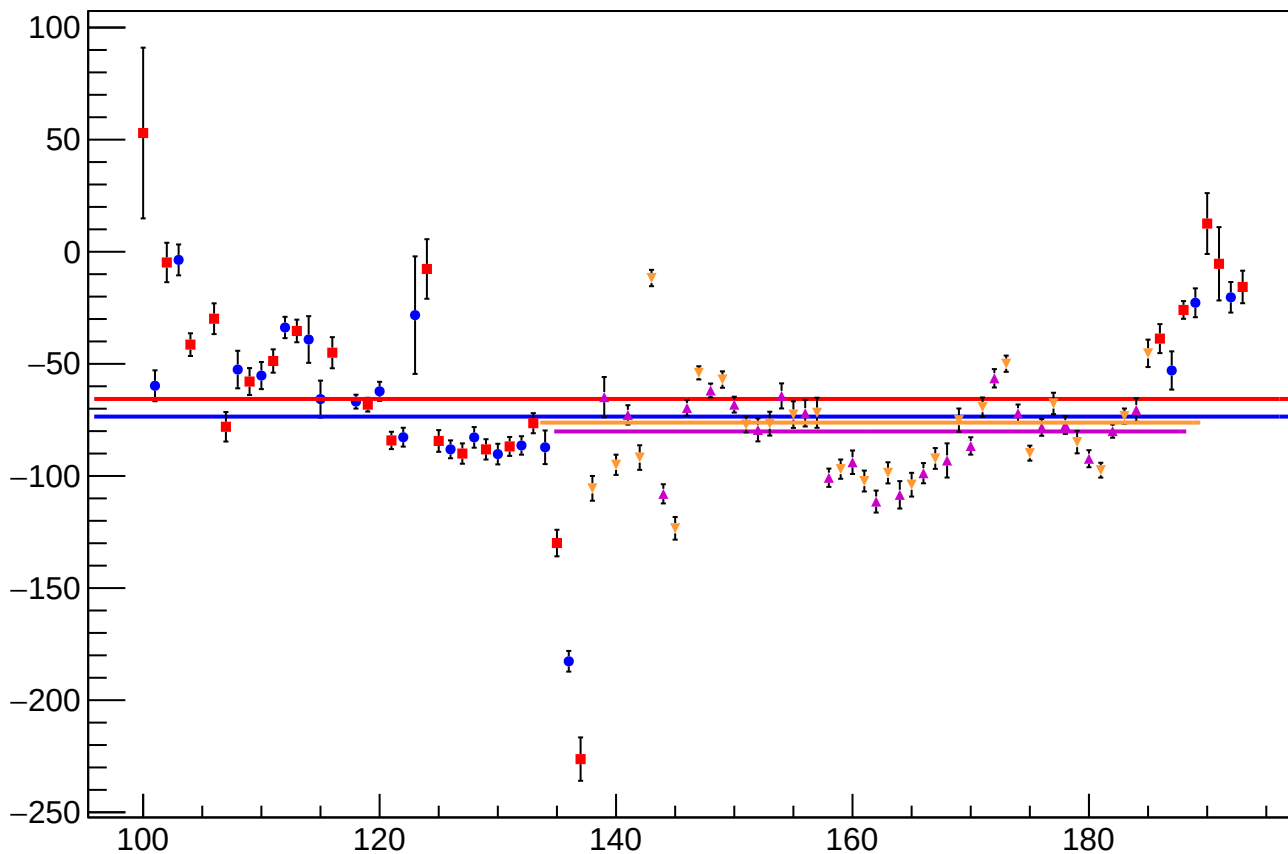
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -181.208 ± 0.801 χ^2/NDF : 7501.8/44

All: -186.962 ± 0.536 χ^2/NDF : 13831.9/91

- sign -191.633 ± 0.722 χ^2/NDF : 6236.6/46

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -73.521 ± 1.186 χ^2/NDF : 956.0/19

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -65.651 ± 1.118 χ^2/NDF : 915.7/23

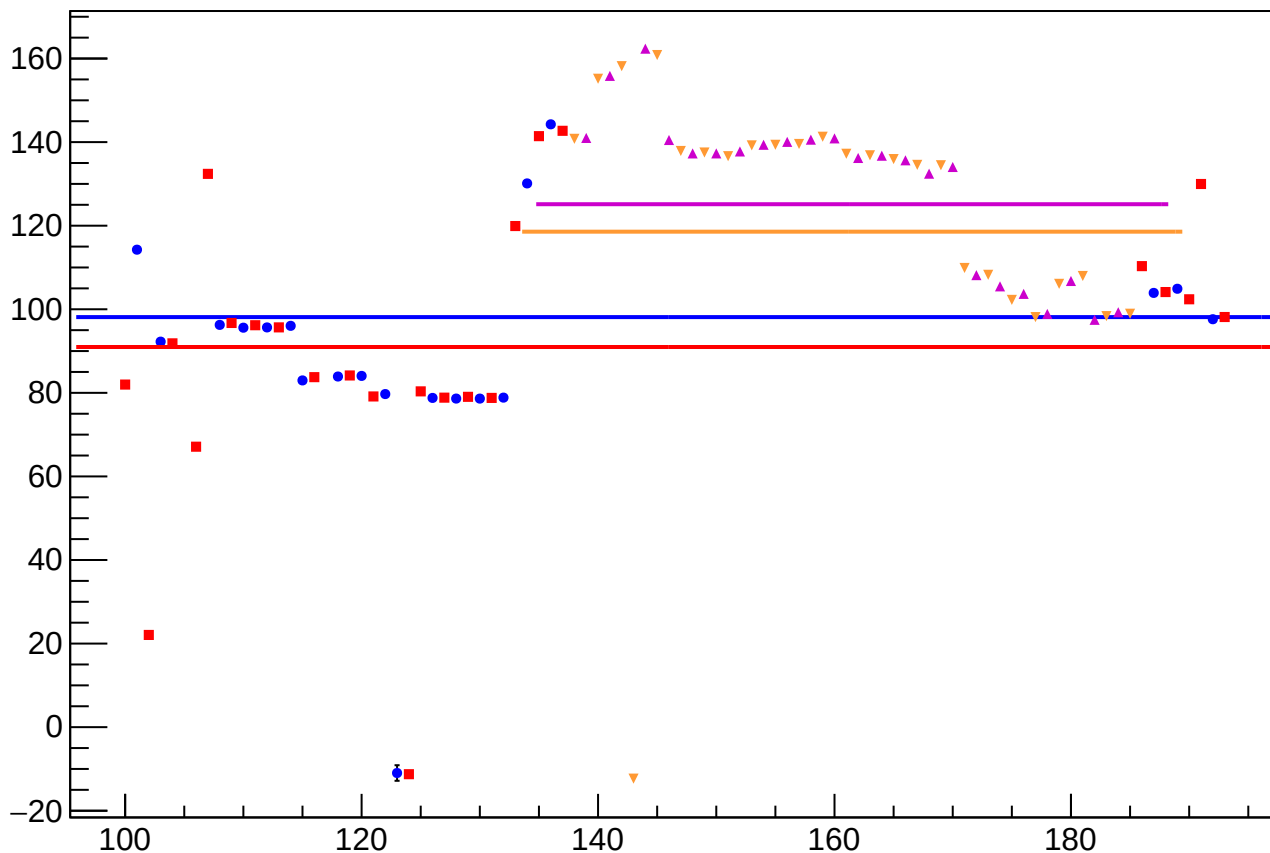
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -75.269 ± 0.695 χ^2/NDF : 1760.3/44

All: -74.900 ± 0.492 χ^2/NDF : 3063.0/91

- sign -74.530 ± 0.696 χ^2/NDF : 1302.1/46

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.126 $\pm$ 0.067 χ^2 /NDF: 94589.1/19

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 90.970 $\pm$ 0.061 χ^2 /NDF: 238953.9/23

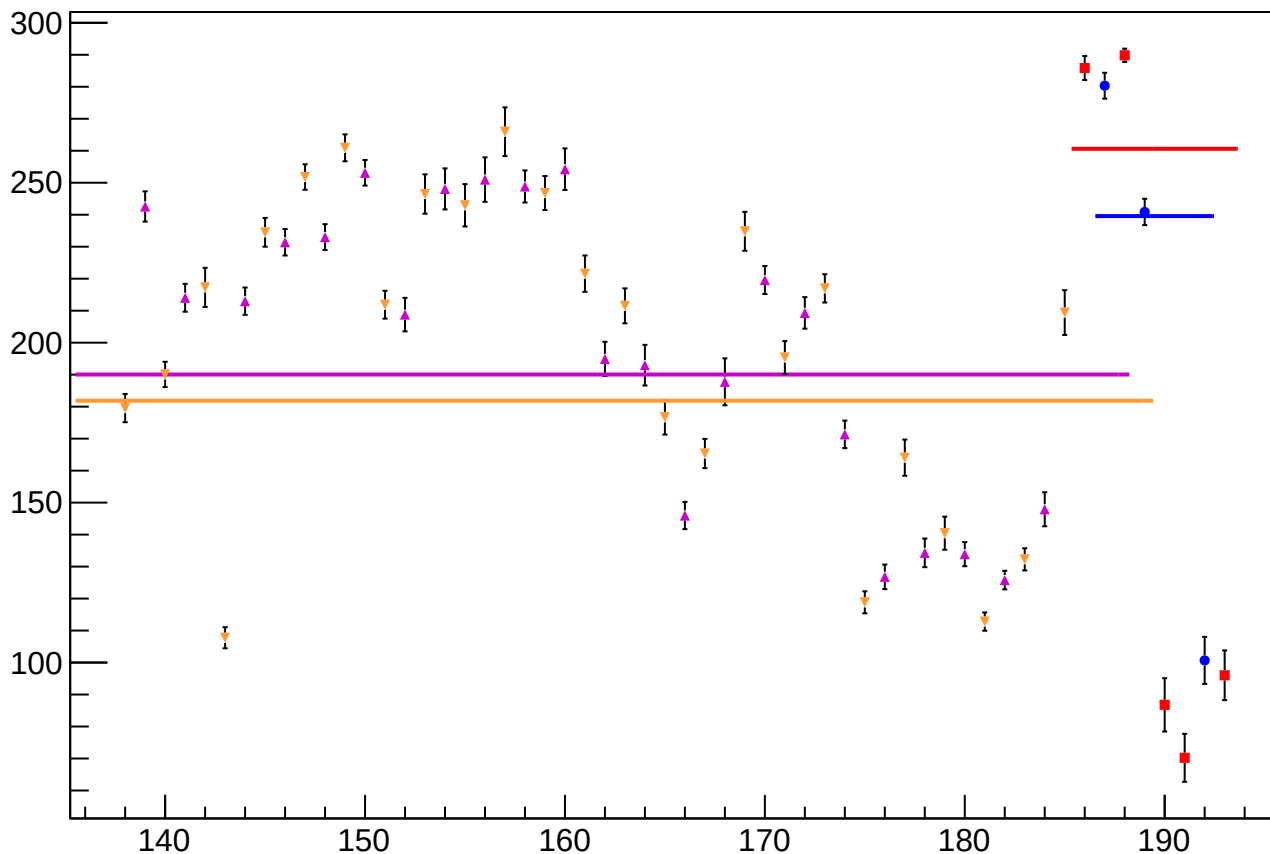
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 113.151 $\pm$ 0.035 χ^2 /NDF: 890820.0/44

All: 113.738 $\pm$ 0.024 χ^2 /NDF: 1568473.5/91

- sign 114.305 $\pm$ 0.034 χ^2 /NDF: 677091.5/46

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 239.576 $\pm$ 2.686 χ^2/NDF : 457.8/2

Left Out: 181.850 $\pm$ 0.913 χ^2/NDF : 3303.4/24

Right Out: 260.614 $\pm$ 1.683 χ^2/NDF : 1773.1/4

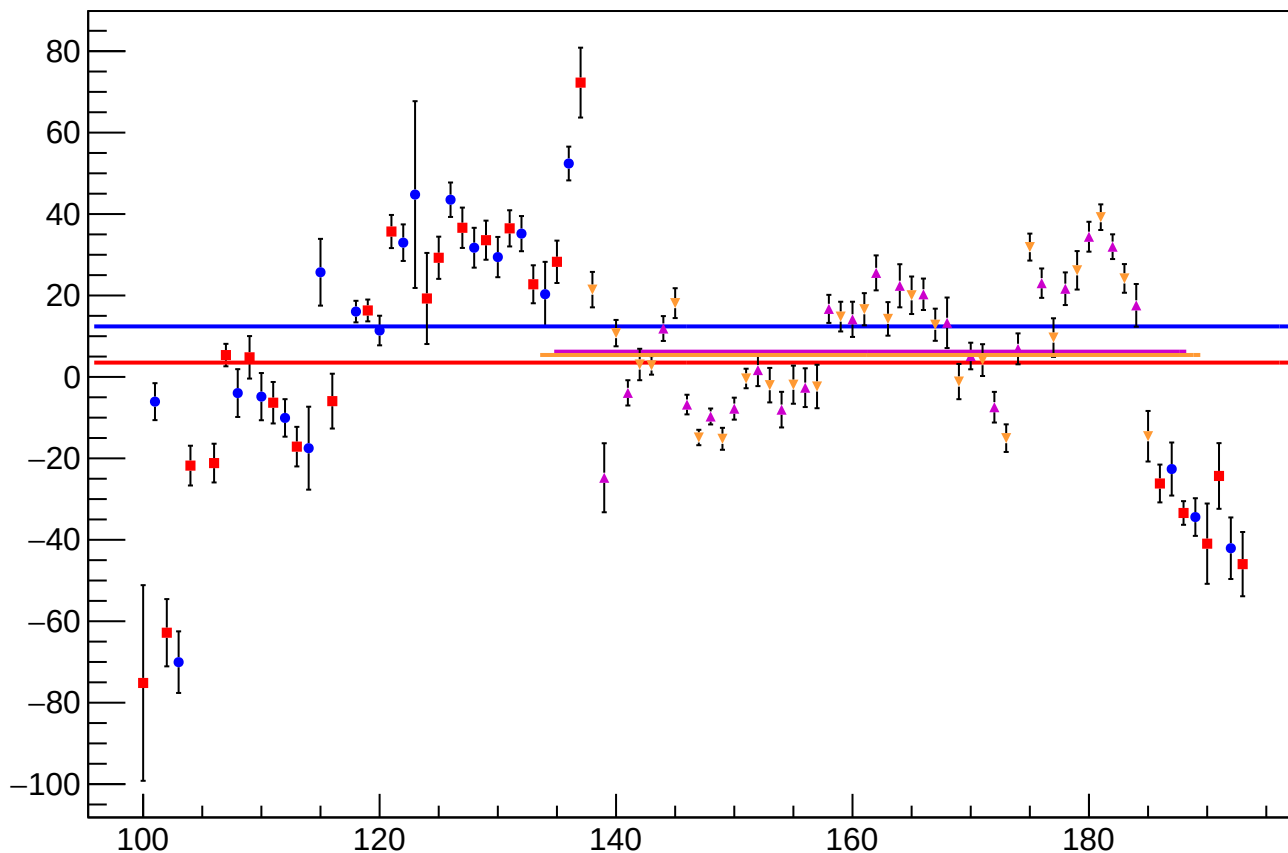
Left In: 190.048 $\pm$ 0.953 χ^2/NDF : 2438.4/22

+ sign 187.834 $\pm$ 0.865 χ^2/NDF : 4175.3/27

All: 197.911 $\pm$ 0.598 χ^2/NDF : 9978.7/55

- sign 207.177 $\pm$ 0.829 χ^2/NDF : 5542.8/27

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 12.404 $\pm$ 1.104 χ^2 /NDF: 598.8/19

Left Out: 5.394 $\pm$ 0.688 χ^2 /NDF: 526.5/24

Right Out: 3.519 $\pm$ 0.973 χ^2 /NDF: 782.2/23

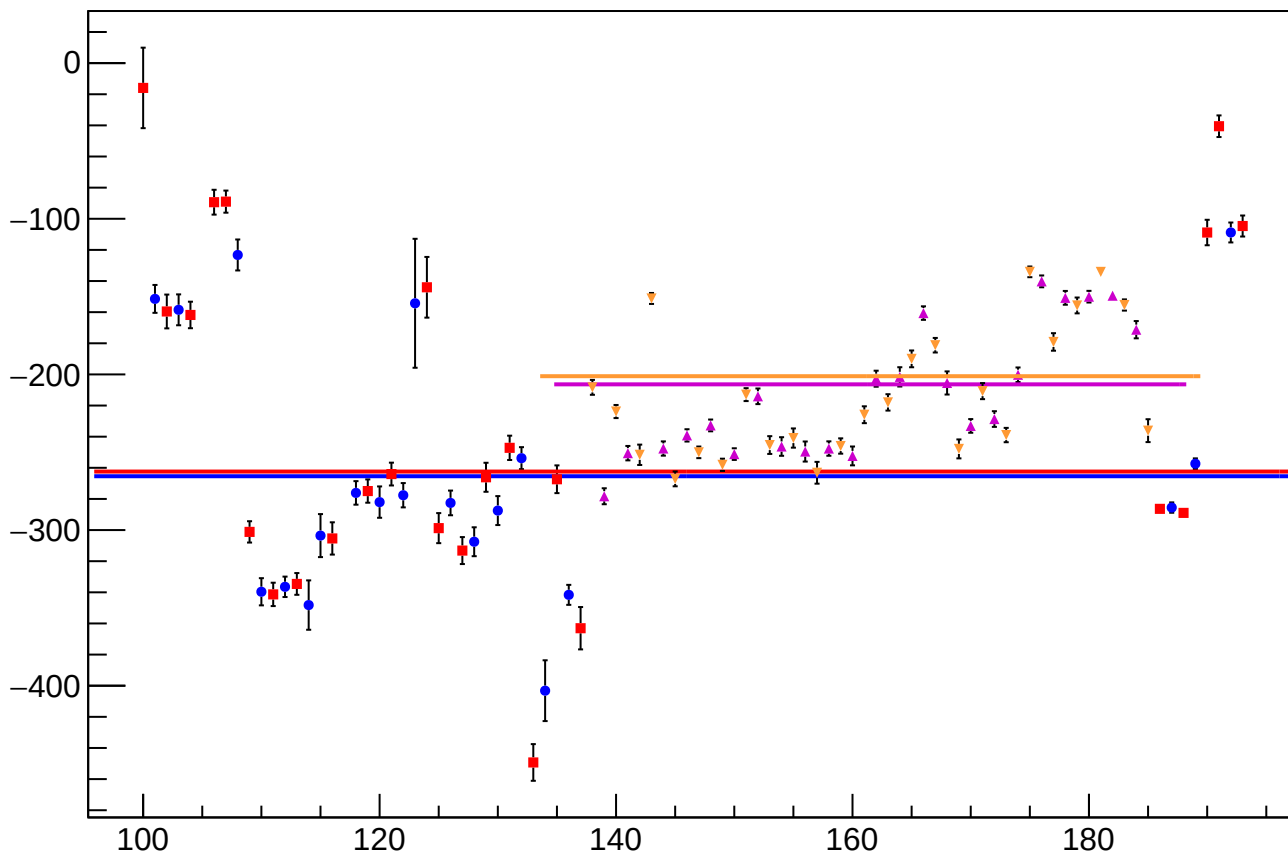
Left In: 6.206 $\pm$ 0.732 χ^2 /NDF: 407.5/22

+ sign 7.355 $\pm$ 0.584 χ^2 /NDF: 1154.4/44

All: 6.297 $\pm$ 0.413 χ^2 /NDF: 2355.6/91

- sign 5.235 $\pm$ 0.585 χ^2 /NDF: 1194.6/46

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -265.417 ± 1.563 χ^2/NDF : 1586.2/19

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -262.406 ± 1.136 χ^2/NDF : 4289.3/23

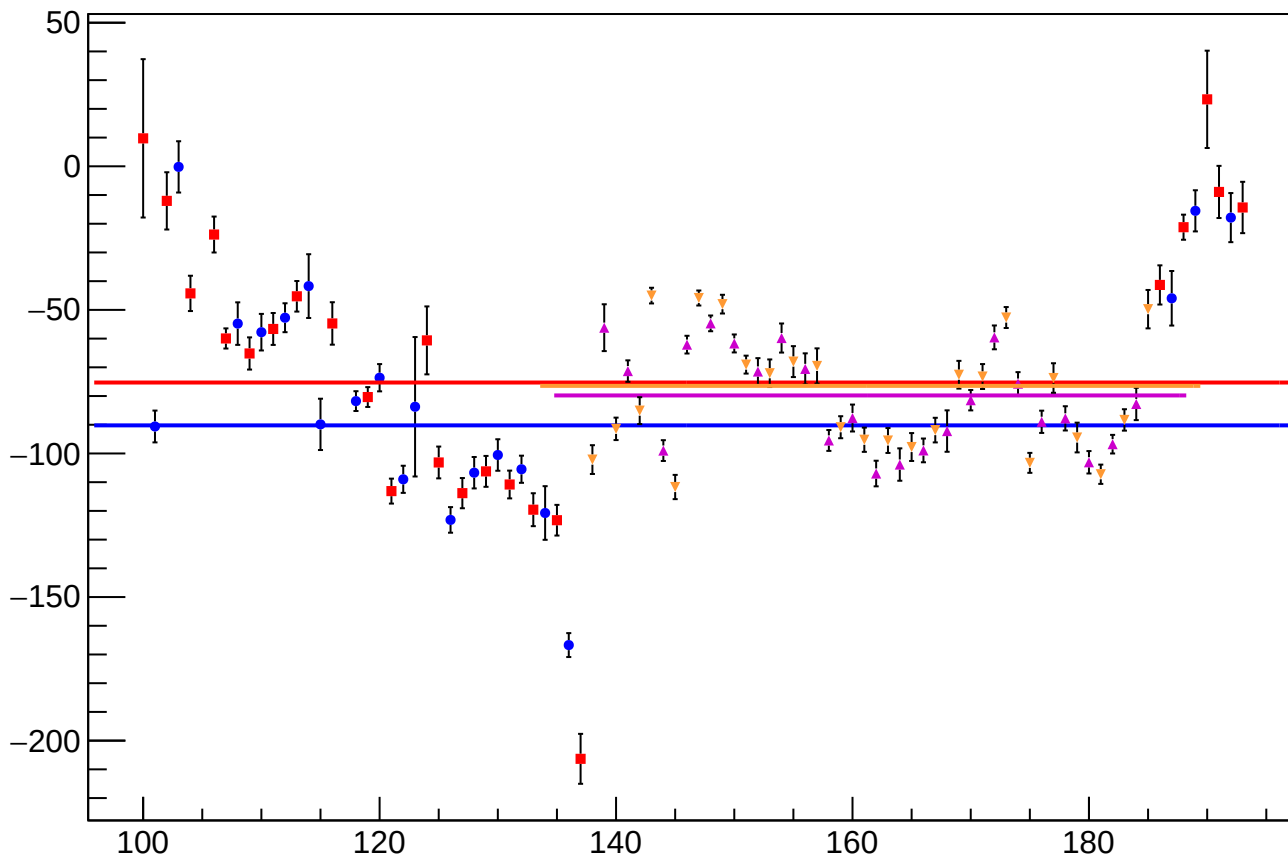
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -217.622 ± 0.791 χ^2/NDF : 5332.1/44

All: -224.012 ± 0.536 χ^2/NDF : 13285.6/91

- sign -229.427 ± 0.729 χ^2/NDF : 7833.0/46

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -90.217 ± 1.293 $\chi^2/\text{NDF}: 886.8/19$

Left Out: -76.460 ± 0.797 $\chi^2/\text{NDF}: 781.3/24$

Right Out: -75.295 ± 1.168 $\chi^2/\text{NDF}: 1140.9/23$

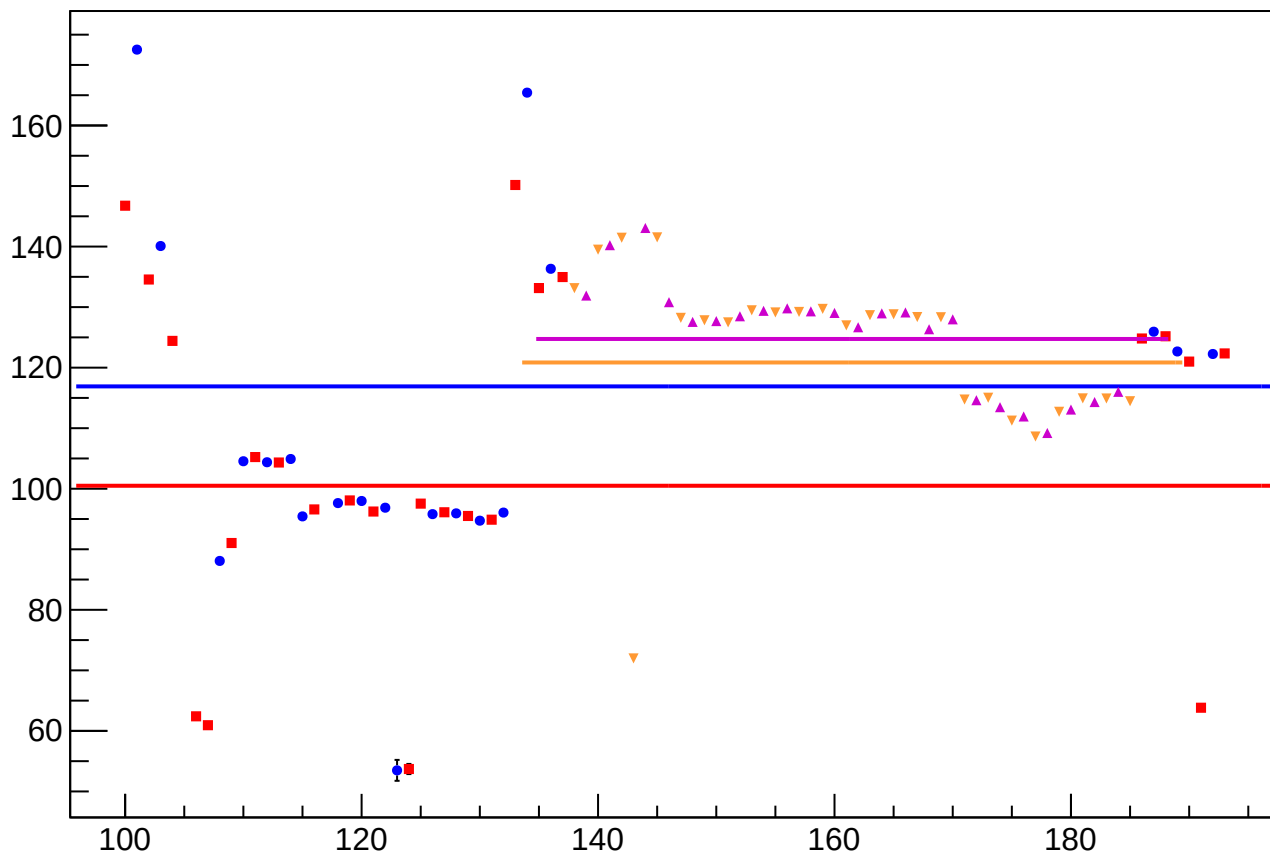
Left In: -79.792 ± 0.840 $\chi^2/\text{NDF}: 412.3/22$

+ sign -80.245 ± 0.678 $\chi^2/\text{NDF}: 1750.2/44$

All: -79.258 ± 0.481 $\chi^2/\text{NDF}: 3317.4/91$

- sign -78.260 ± 0.682 $\chi^2/\text{NDF}: 1562.9/46$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 116.904 $\pm$ 0.073 χ^2 /NDF: 106739.1/19

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF: 182759.1/24

Right Out: 100.493 $\pm$ 0.061 χ^2 /NDF: 216517.7/23

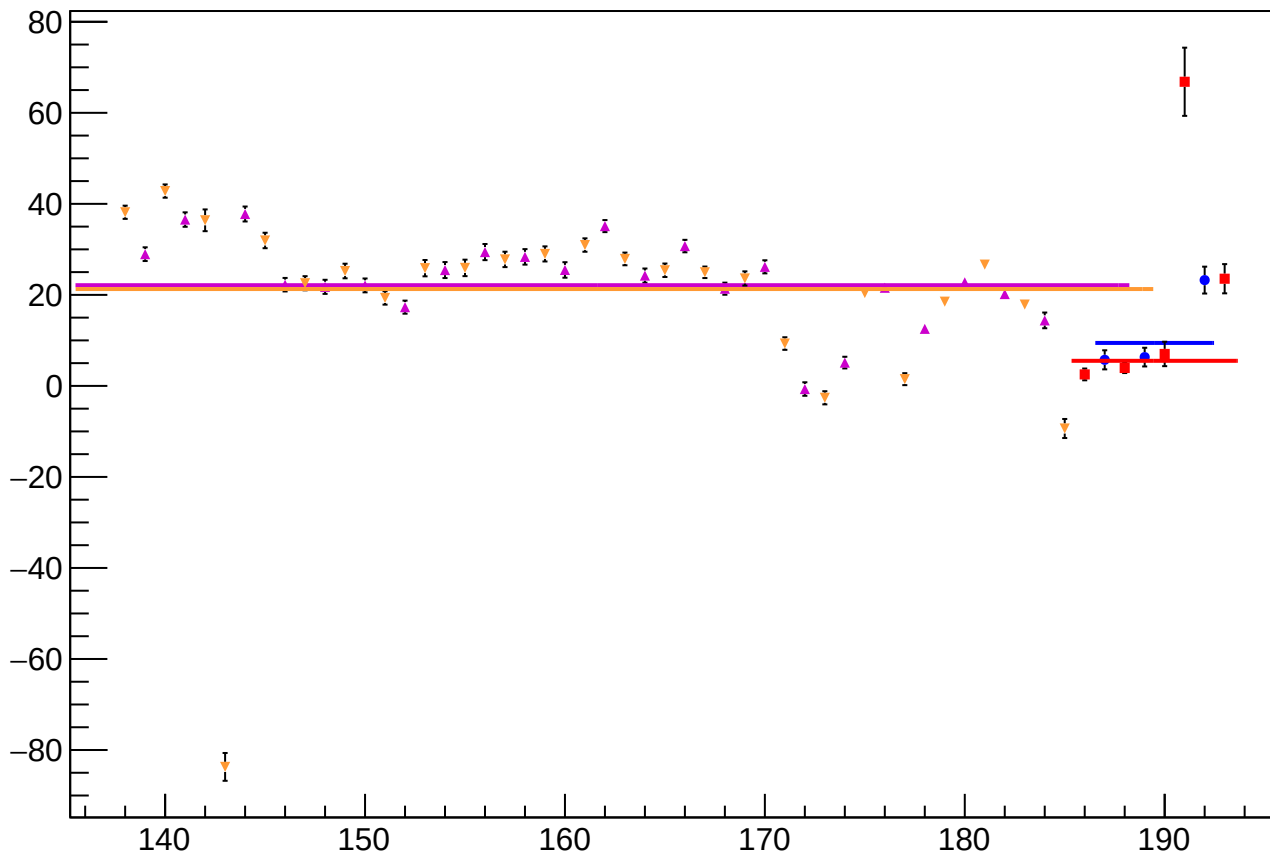
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.012 $\pm$ 0.034 χ^2 /NDF: 291798.4/44

All: 118.811 $\pm$ 0.024 χ^2 /NDF: 673480.3/91

- sign 117.661 $\pm$ 0.033 χ^2 /NDF: 379202.4/46

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 9.442 $\pm$ 1.314 χ^2 /NDF: 27.3/2

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF: 2600.5/24

Right Out: 5.512 $\pm$ 0.777 χ^2 /NDF: 106.2/4

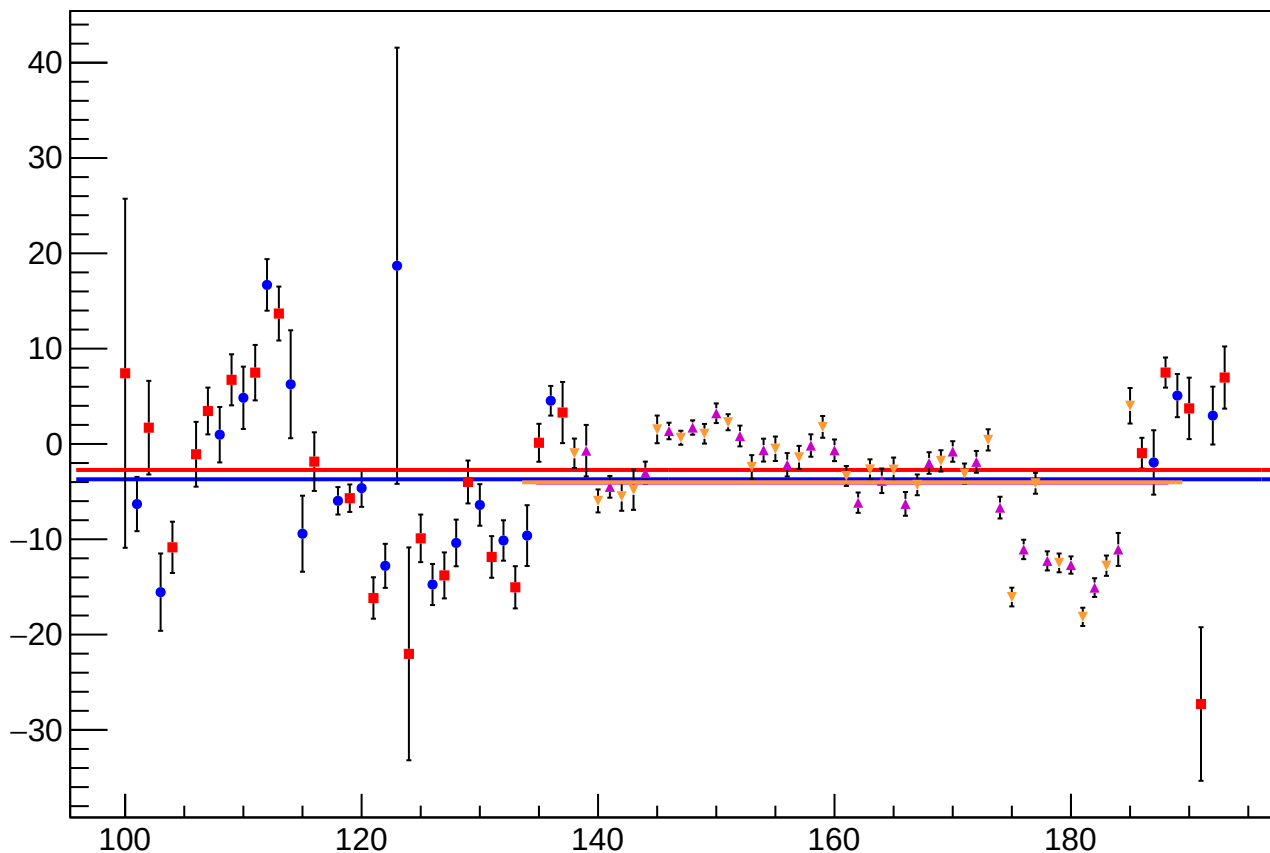
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 20.759 $\pm$ 0.276 χ^2 /NDF: 2705.5/27

All: 20.445 $\pm$ 0.192 χ^2 /NDF: 4117.2/55

- sign 20.151 $\pm$ 0.268 χ^2 /NDF: 1409.2/27

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.707 ± 0.553 $\chi^2/\text{NDF}: 195.9/19$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: -2.727 ± 0.506 $\chi^2/\text{NDF}: 269.5/23$

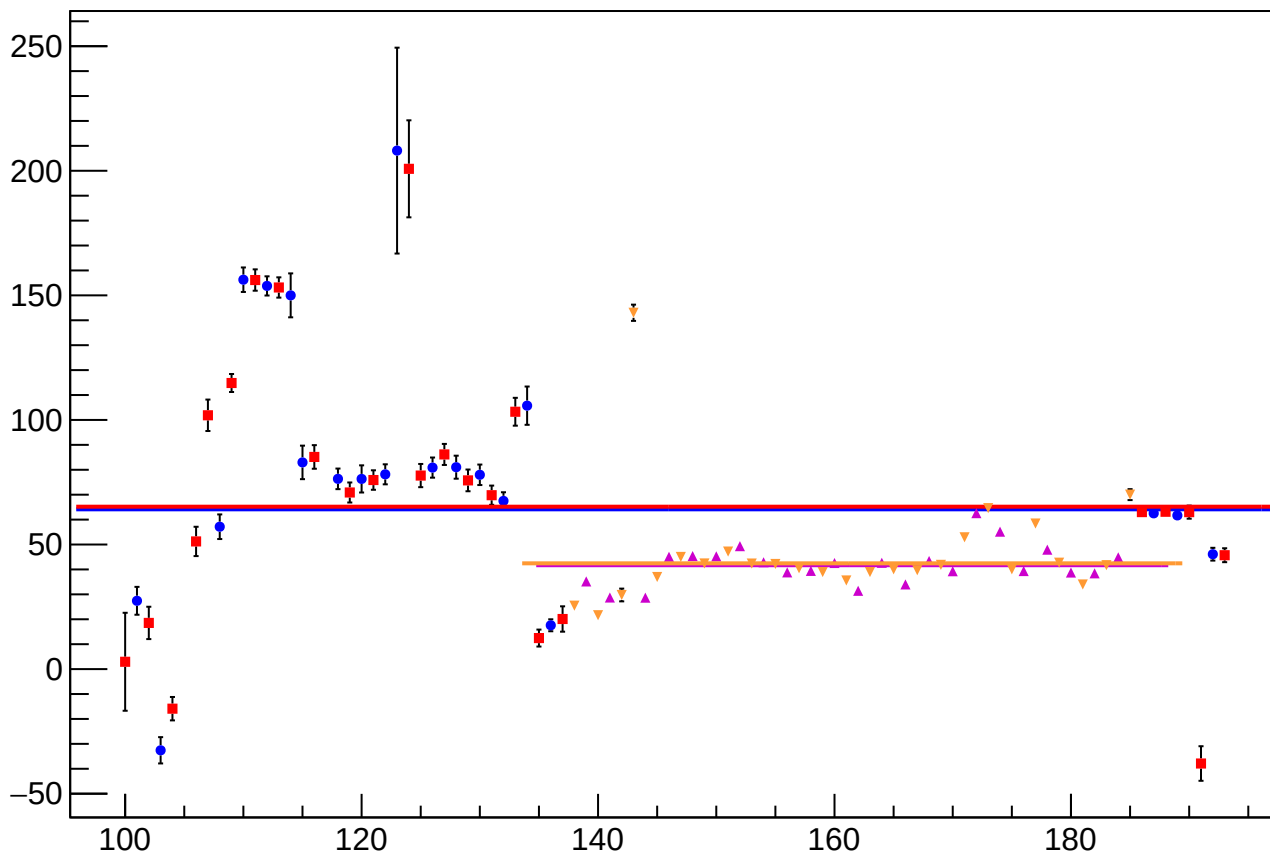
Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

+ sign -3.978 ± 0.207 $\chi^2/\text{NDF}: 930.3/44$

All: -3.906 ± 0.147 $\chi^2/\text{NDF}: 1783.0/91$

- sign -3.833 ± 0.208 $\chi^2/\text{NDF}: 852.5/46$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 64.128 ± 0.776 χ^2/NDF : 1915.5/19

Left Out: 42.452 ± 0.282 χ^2/NDF : 2016.0/24

Right Out: 65.182 ± 0.548 χ^2/NDF : 2264.8/23

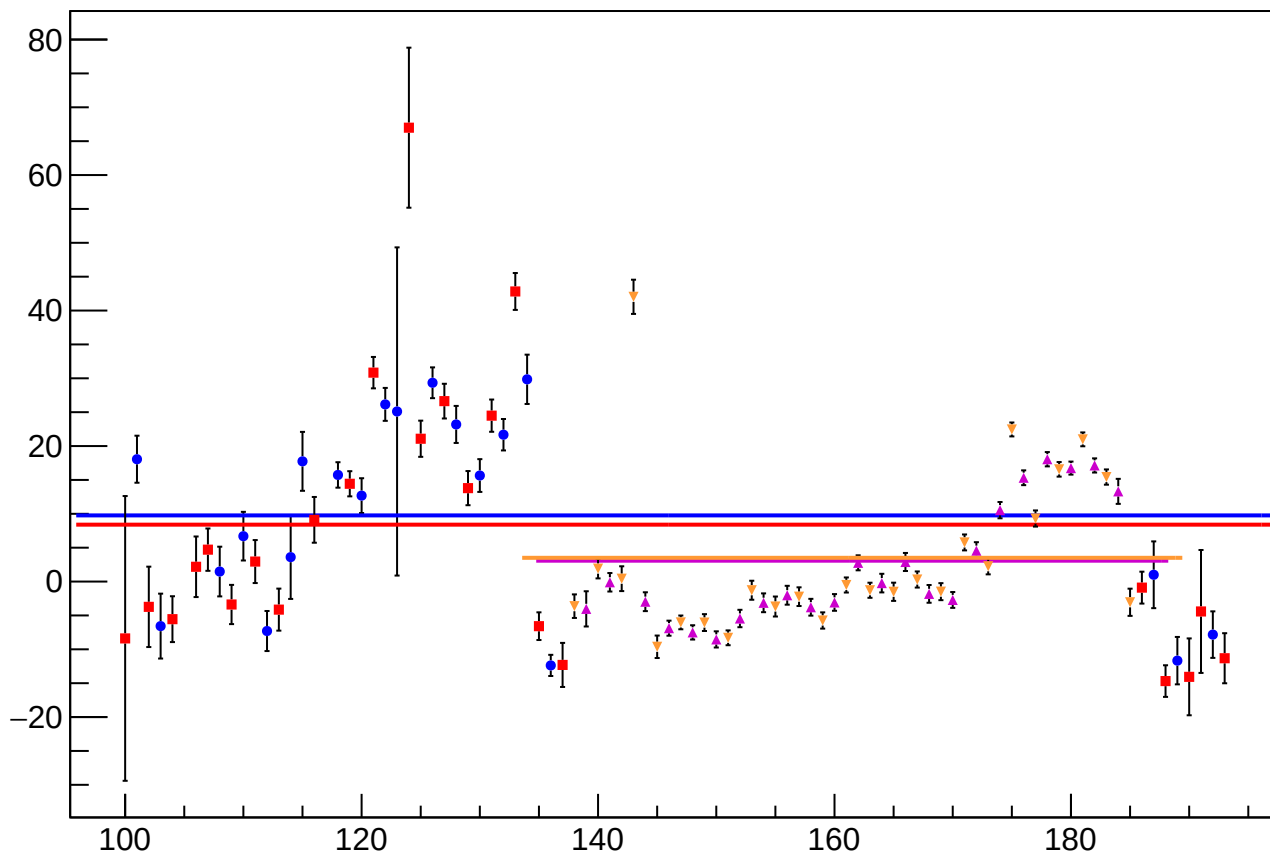
Left In: 41.695 ± 0.284 χ^2/NDF : 630.2/22

+ sign 44.978 ± 0.265 χ^2/NDF : 4620.2/44

All: 45.865 ± 0.183 χ^2/NDF : 8983.9/91

- sign 46.669 ± 0.252 χ^2/NDF : 4342.3/46

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 9.766 ± 0.638 χ^2/NDF : 547.1/19

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 8.399 ± 0.604 χ^2/NDF : 727.2/23

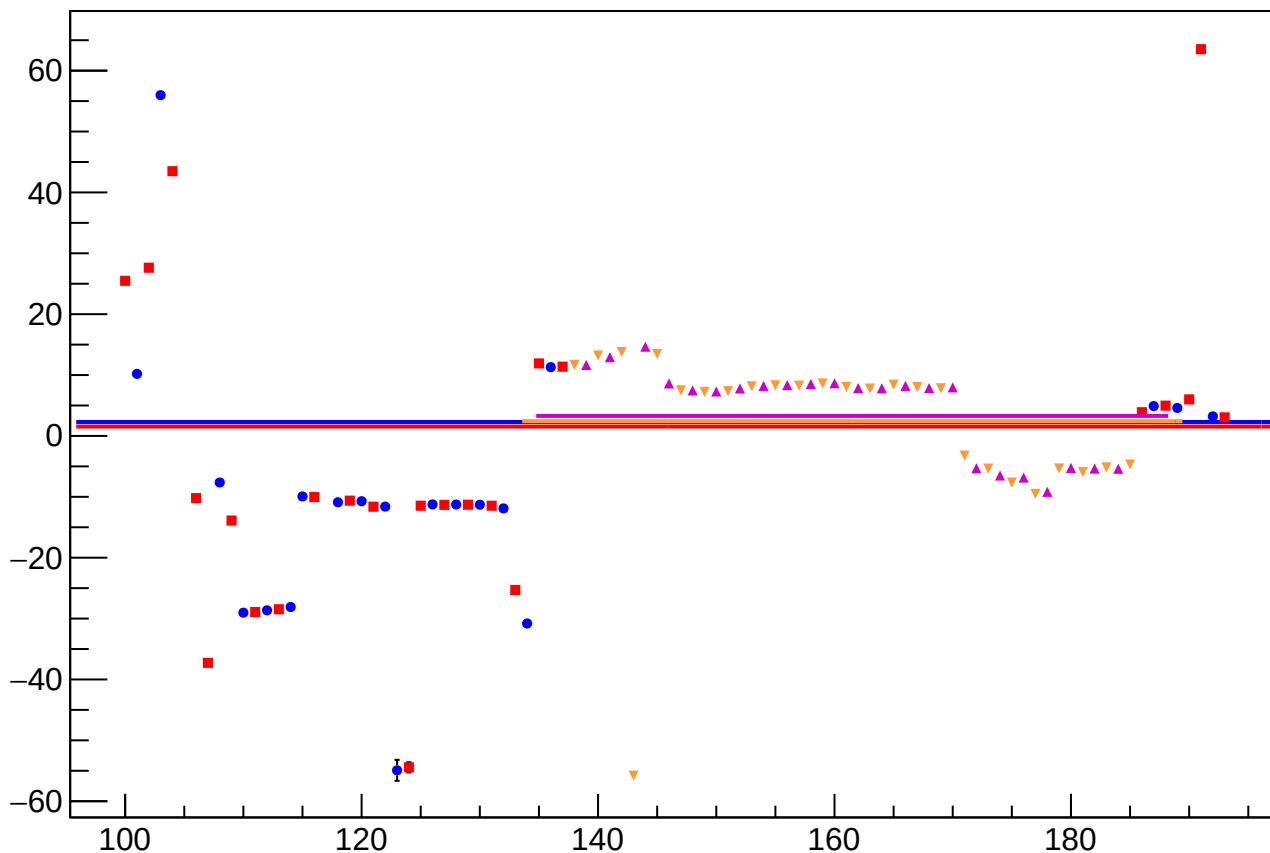
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 4.352 ± 0.235 χ^2/NDF : 2321.6/44

All: 4.126 ± 0.167 χ^2/NDF : 4382.0/91

- sign 3.896 ± 0.236 χ^2/NDF : 2058.5/46

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.296 $\pm$ 0.034 χ^2 /NDF: 358327.1/19

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 1.543 $\pm$ 0.032 χ^2 /NDF: 428491.1/23

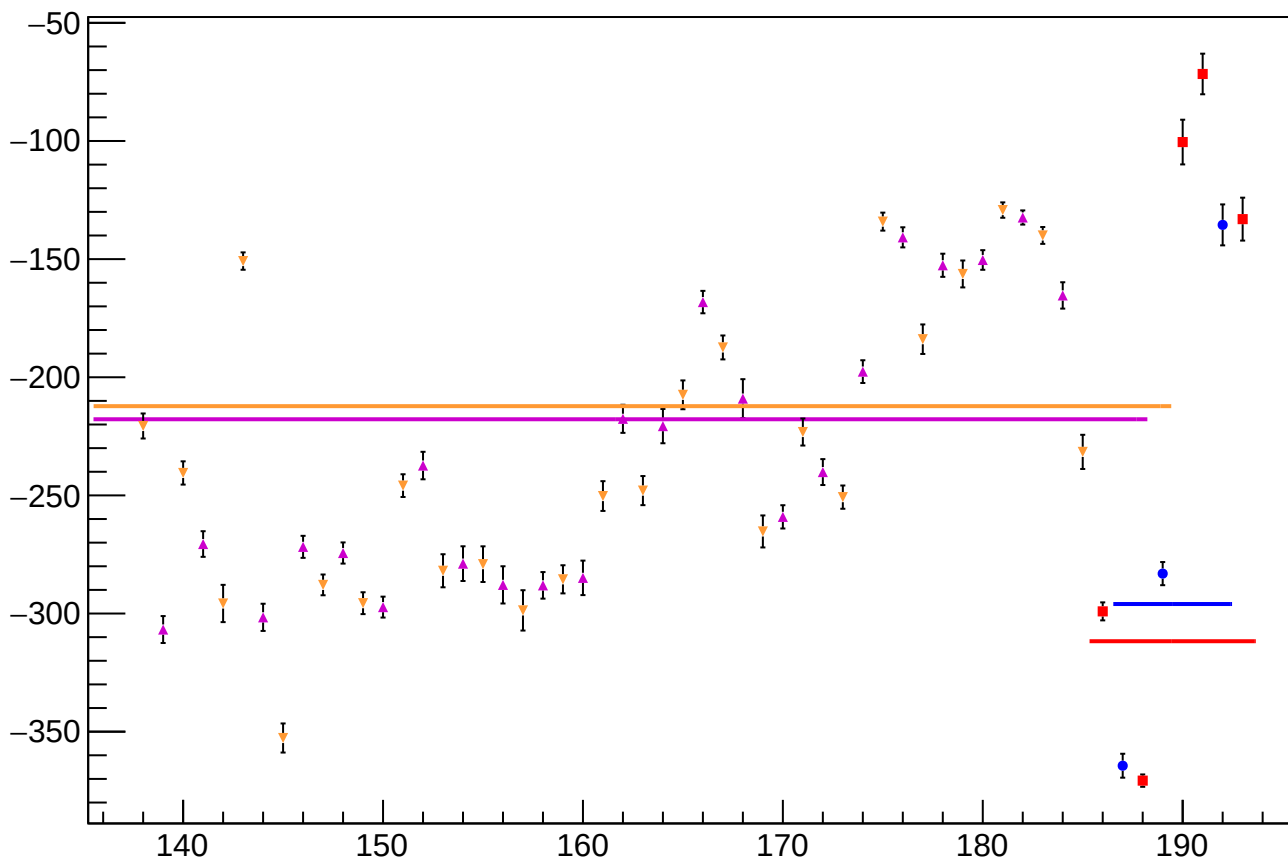
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.412 $\pm$ 0.011 χ^2 /NDF: 974722.4/44

All: 2.751 $\pm$ 0.008 χ^2 /NDF: 1812060.0/91

- sign 3.090 $\pm$ 0.011 χ^2 /NDF: 835420.1/46

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -295.976 ± 3.262 χ^2/NDF : 532.3/2

Left Out: -212.231 ± 1.029 χ^2/NDF : 3875.4/24

Right Out: -311.721 ± 1.991 χ^2/NDF : 2187.0/4

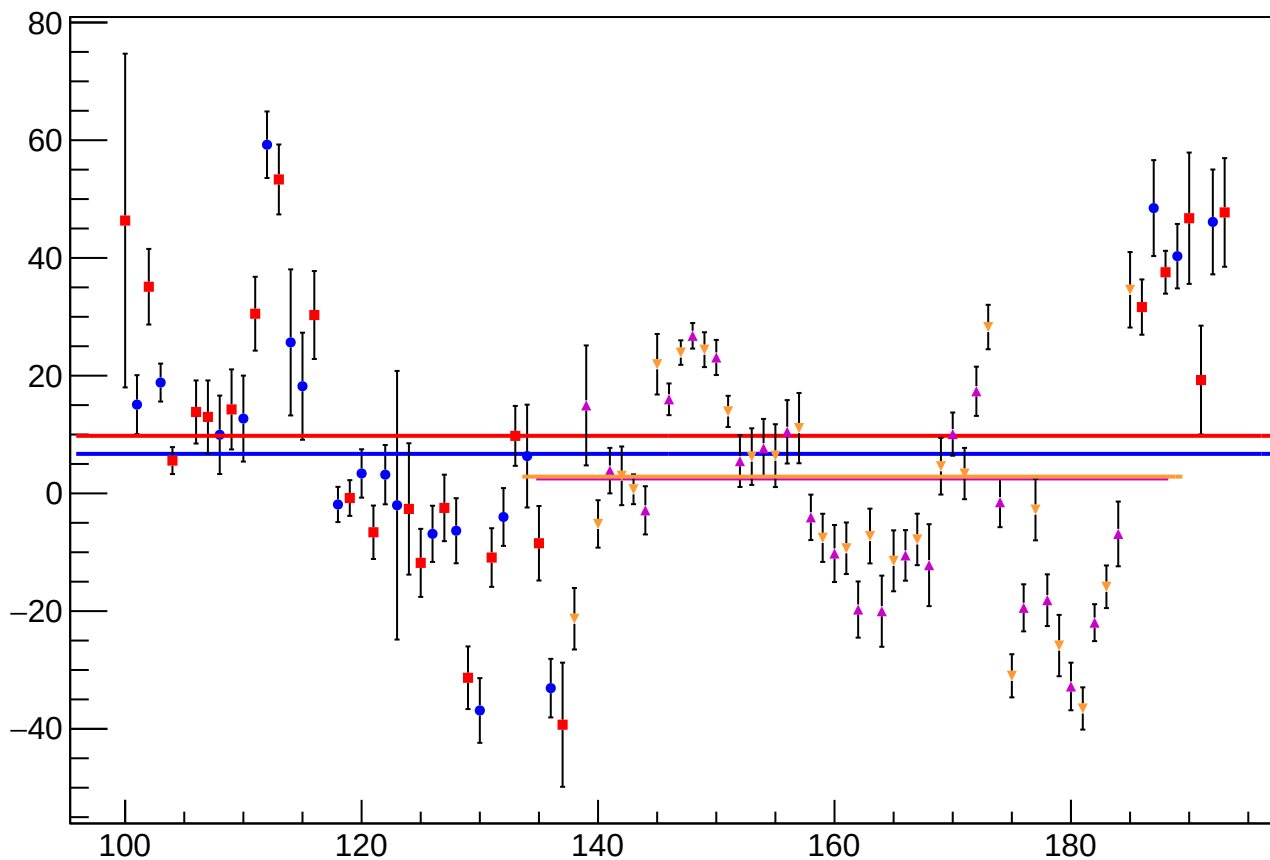
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -219.817 ± 0.982 χ^2/NDF : 5007.2/27

All: -229.682 ± 0.679 χ^2/NDF : 12566.5/55

- sign -238.733 ± 0.940 χ^2/NDF : 7365.7/27

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 6.714 ± 1.191 χ^2/NDF : 346.4/19

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 9.781 ± 1.055 χ^2/NDF : 355.0/23

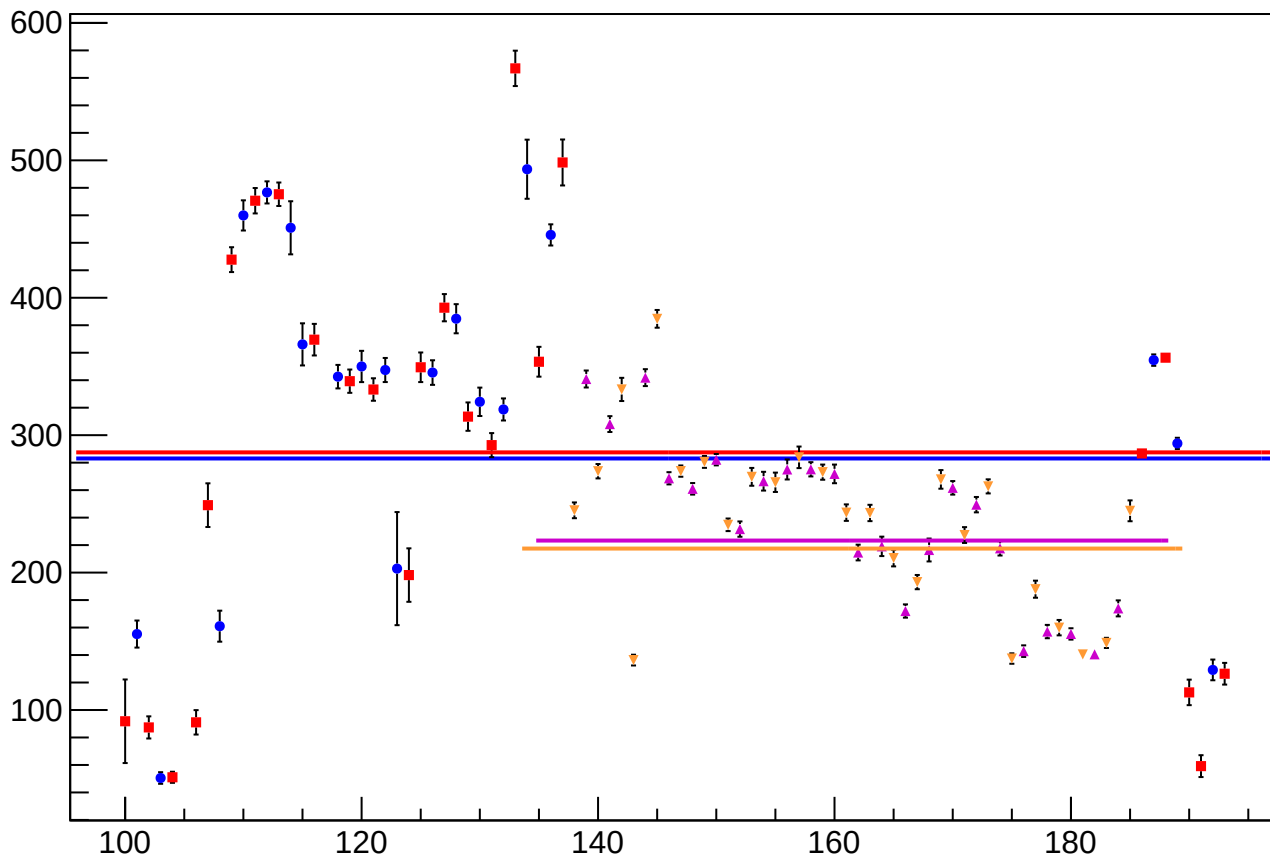
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 3.998 ± 0.649 χ^2/NDF : 936.0/44

All: 4.637 ± 0.459 χ^2/NDF : 1795.8/91

- sign 5.276 ± 0.649 χ^2/NDF : 857.9/46

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 283.036 $\pm$ 1.716 χ^2 /NDF: 5832.7/19

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 287.477 $\pm$ 1.282 χ^2 /NDF: 9335.6/23

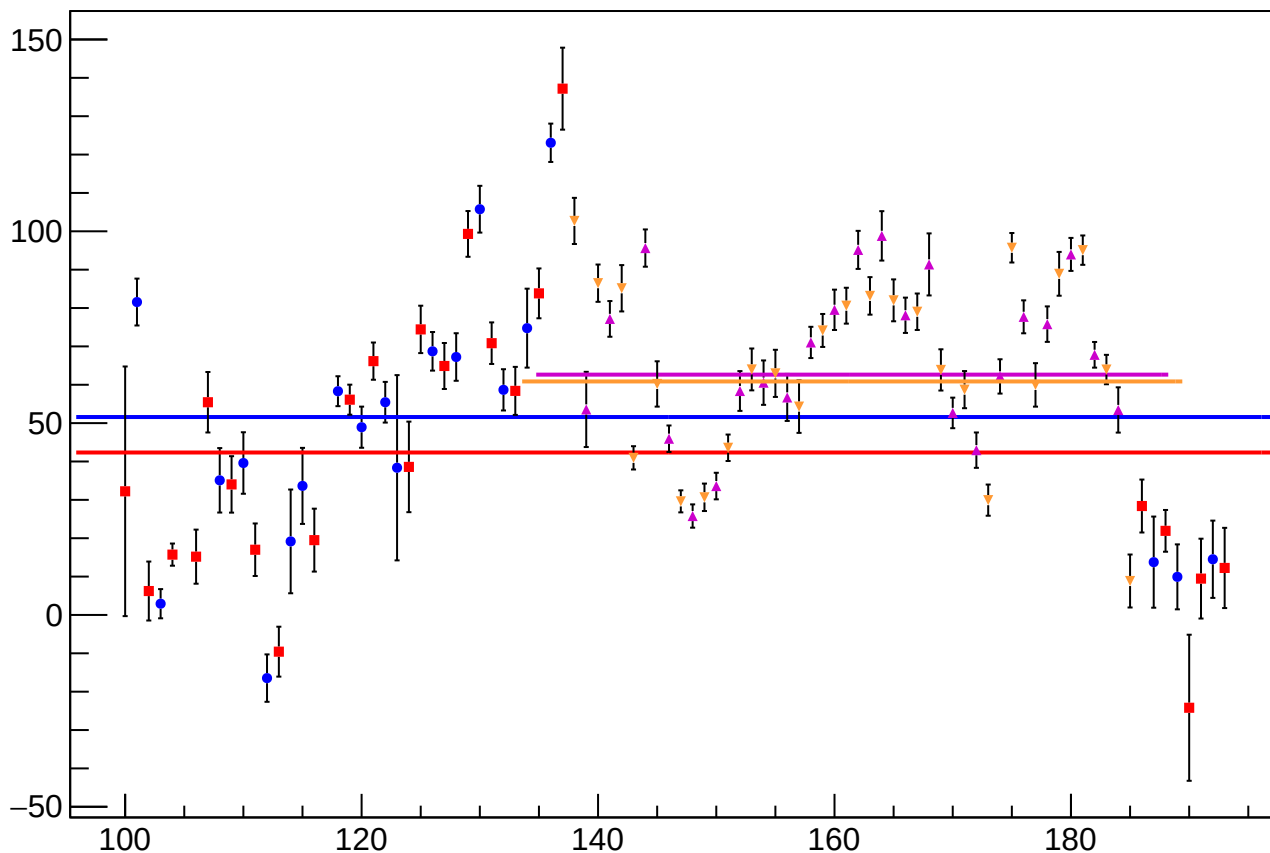
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 234.910 $\pm$ 0.885 χ^2 /NDF: 10674.1/44

All: 242.741 $\pm$ 0.600 χ^2 /NDF: 25019.6/91

- sign 249.432 $\pm$ 0.818 χ^2 /NDF: 14200.2/46

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 51.589 ± 1.397 χ^2/NDF : 684.2/19

Left Out: 60.863 ± 0.897 χ^2/NDF : 731.6/24

Right Out: 42.342 ± 1.273 χ^2/NDF : 582.5/23

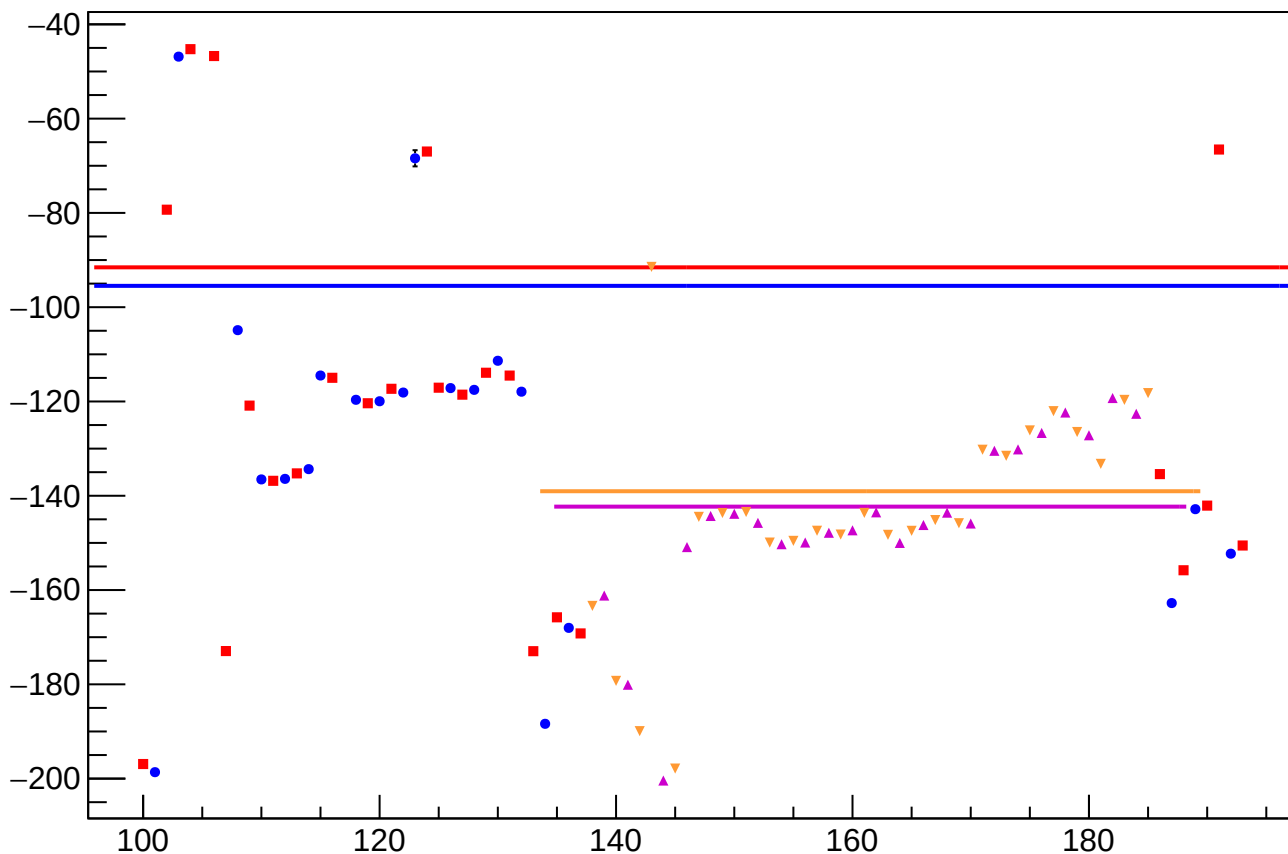
Left In: 62.640 ± 0.943 χ^2/NDF : 515.4/22

+ sign 58.156 ± 0.755 χ^2/NDF : 1447.1/44

All: 56.808 ± 0.535 χ^2/NDF : 2715.6/91

- sign 55.450 ± 0.758 χ^2/NDF : 1262.1/46

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -95.474 ± 0.065 χ^2/NDF : 593833.2/19

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -91.547 ± 0.060 χ^2/NDF : 609796.4/23

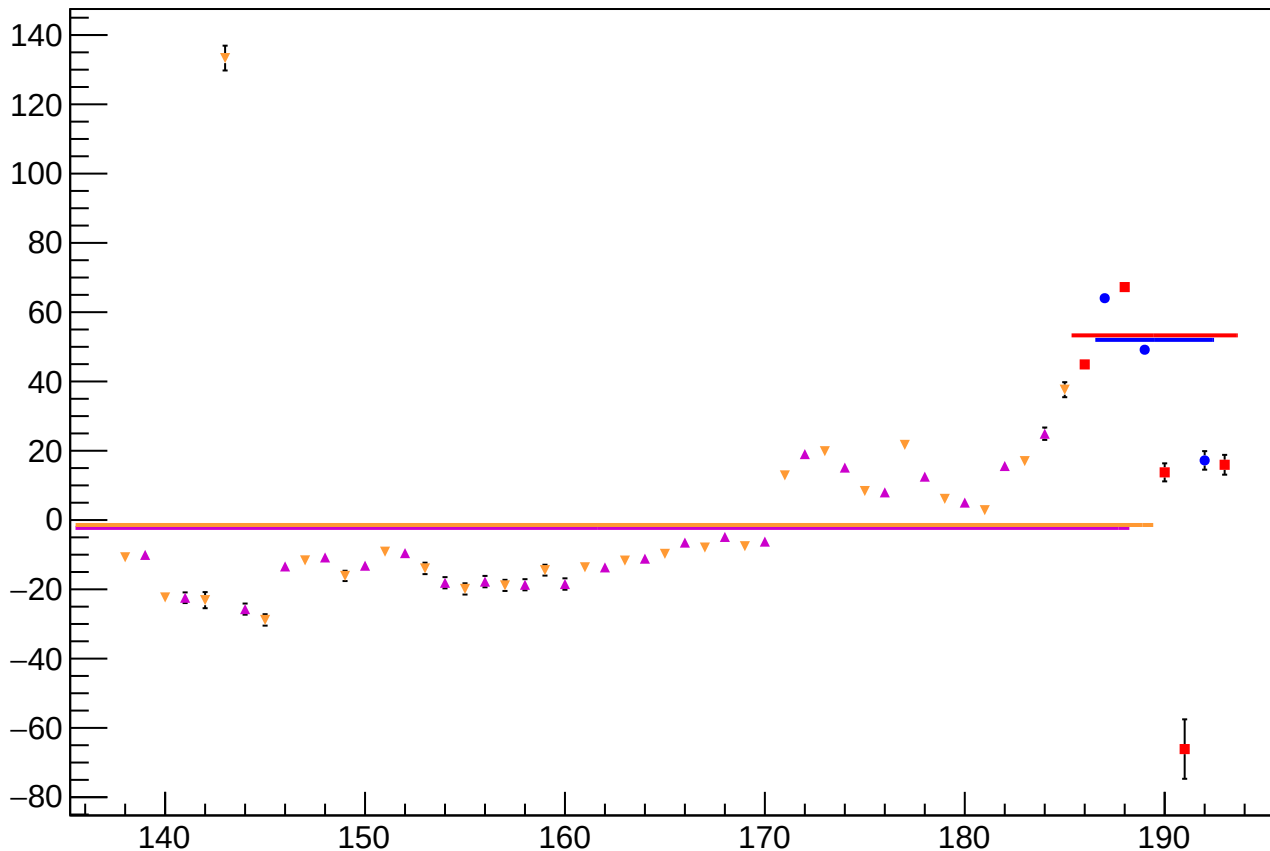
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -125.864 ± 0.036 χ^2/NDF : 1164298.2/44

All: -125.196 ± 0.025 χ^2/NDF : 2382286.6/91

- sign -124.539 ± 0.036 χ^2/NDF : 1217298.5/46

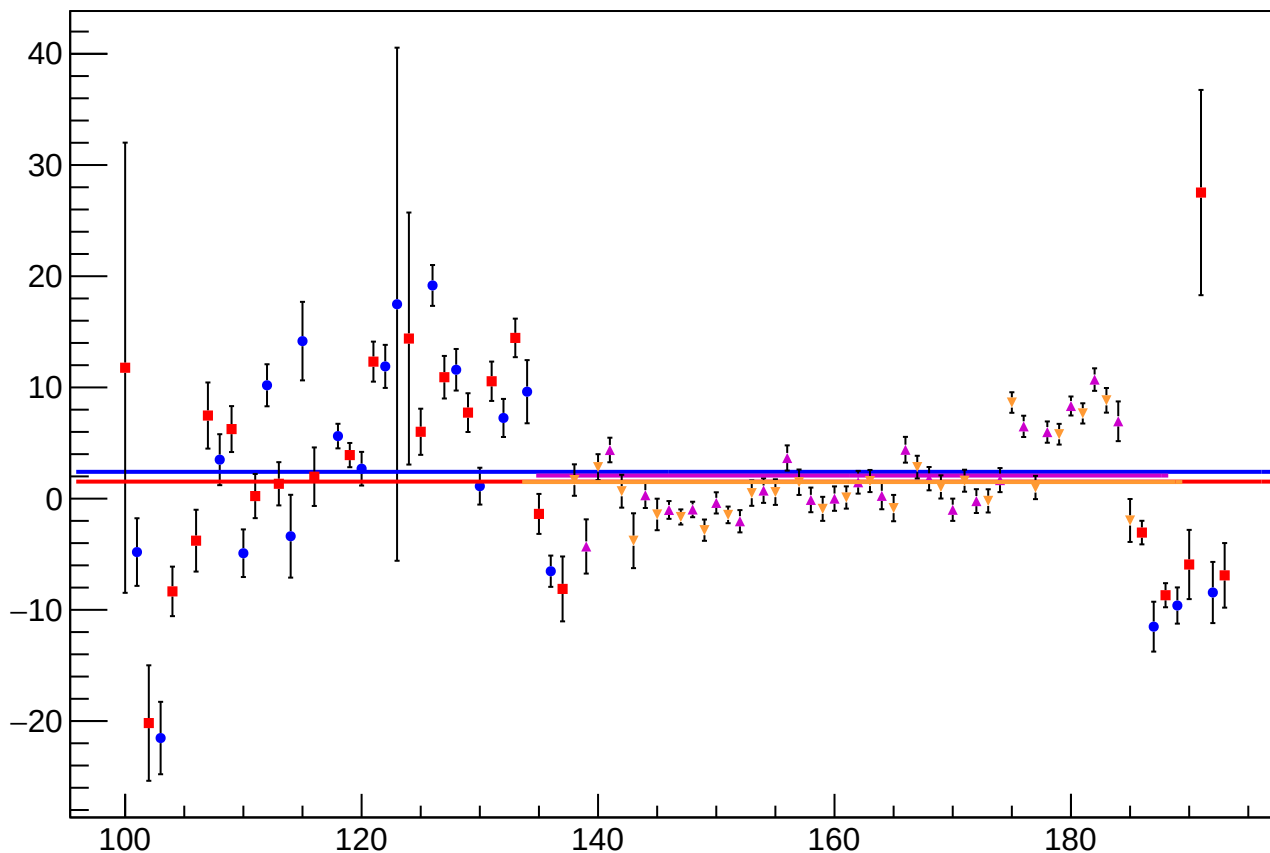
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 52.009 $\pm$ 0.942 χ^2 /NDF: 247.4/2
 Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24
 Right Out: 53.305 $\pm$ 0.551 χ^2 /NDF: 1013.4/4
 Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 2.563 $\pm$ 0.257 χ^2 /NDF: 7563.4/27
 All: 5.715 $\pm$ 0.177 χ^2 /NDF: 19565.1/55
 - sign 8.523 $\pm$ 0.243 χ^2 /NDF: 11718.3/27

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 2.410 $\pm$ 0.439 χ^2 /NDF: 406.4/19

Left Out: 1.491 $\pm$ 0.210 χ^2 /NDF:259.1/24

Right Out: 1.531 $\pm$ 0.394 χ^2 /NDF: 359.0/23

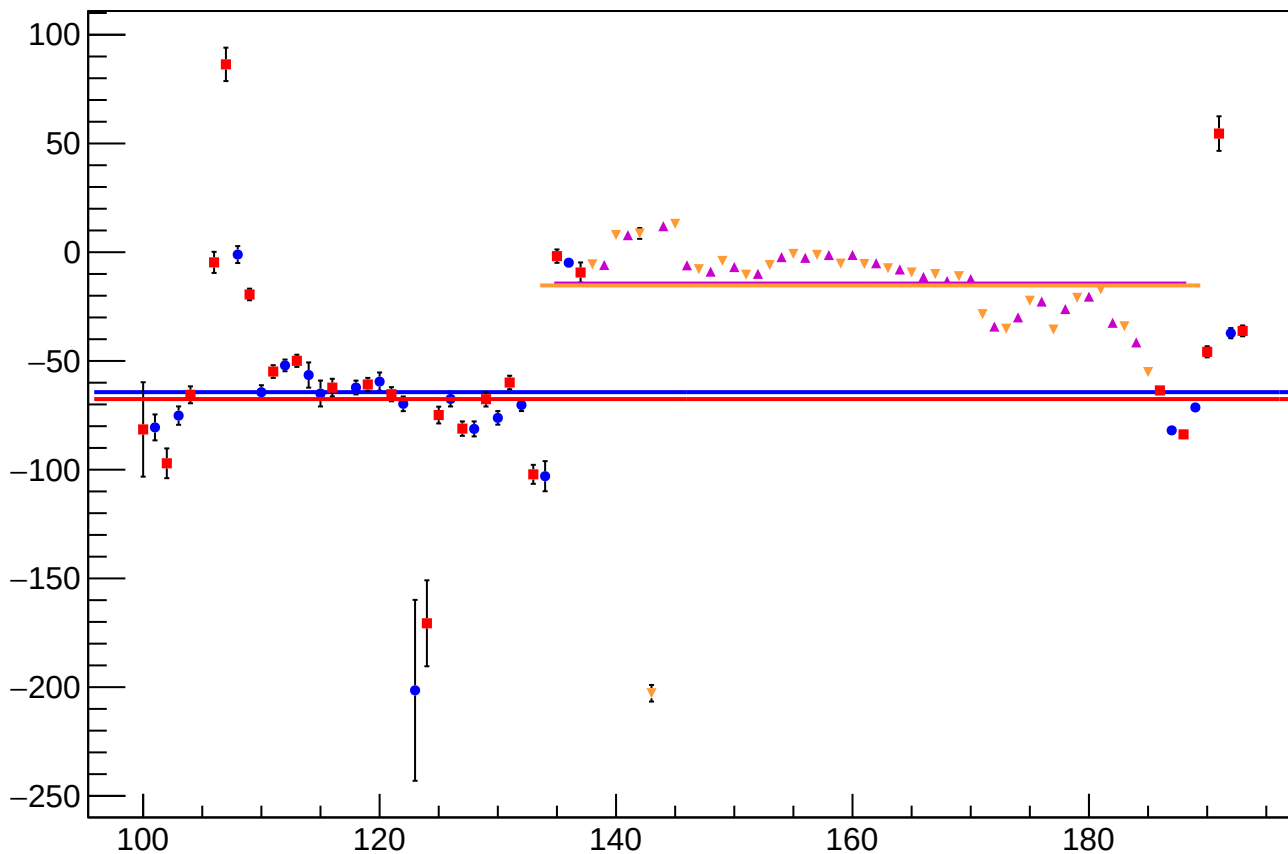
Left In: 2.075 $\pm$ 0.215 χ^2 /NDF:274.6/22

+ sign 1.663 $\pm$ 0.190 χ^2 /NDF: 669.0/44

All: 1.807 $\pm$ 0.134 χ^2 /NDF: 1305.2/91

- sign 1.950 $\pm$ 0.189 χ^2 /NDF: 635.0/46

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -64.343 ± 0.583 χ^2/NDF : 1551.4/19

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -67.531 ± 0.397 χ^2/NDF : 2893.4/23

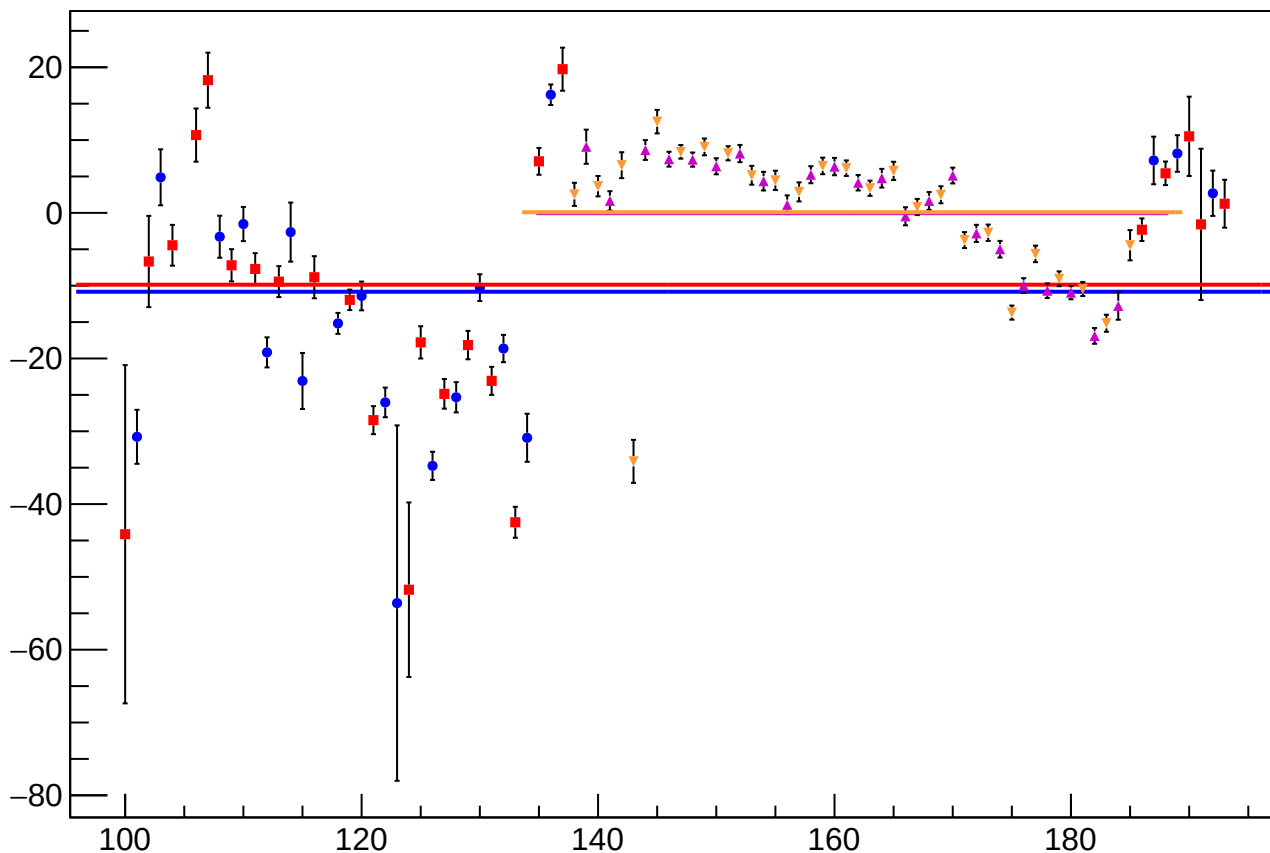
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -23.785 ± 0.243 χ^2/NDF : 12234.5/44

All: -27.781 ± 0.164 χ^2/NDF : 29942.4/91

- sign -31.149 ± 0.223 χ^2/NDF : 17207.9/46

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -10.832 ± 0.512 χ^2/NDF : 896.9/19

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -9.865 ± 0.478 χ^2/NDF : 894.2/23

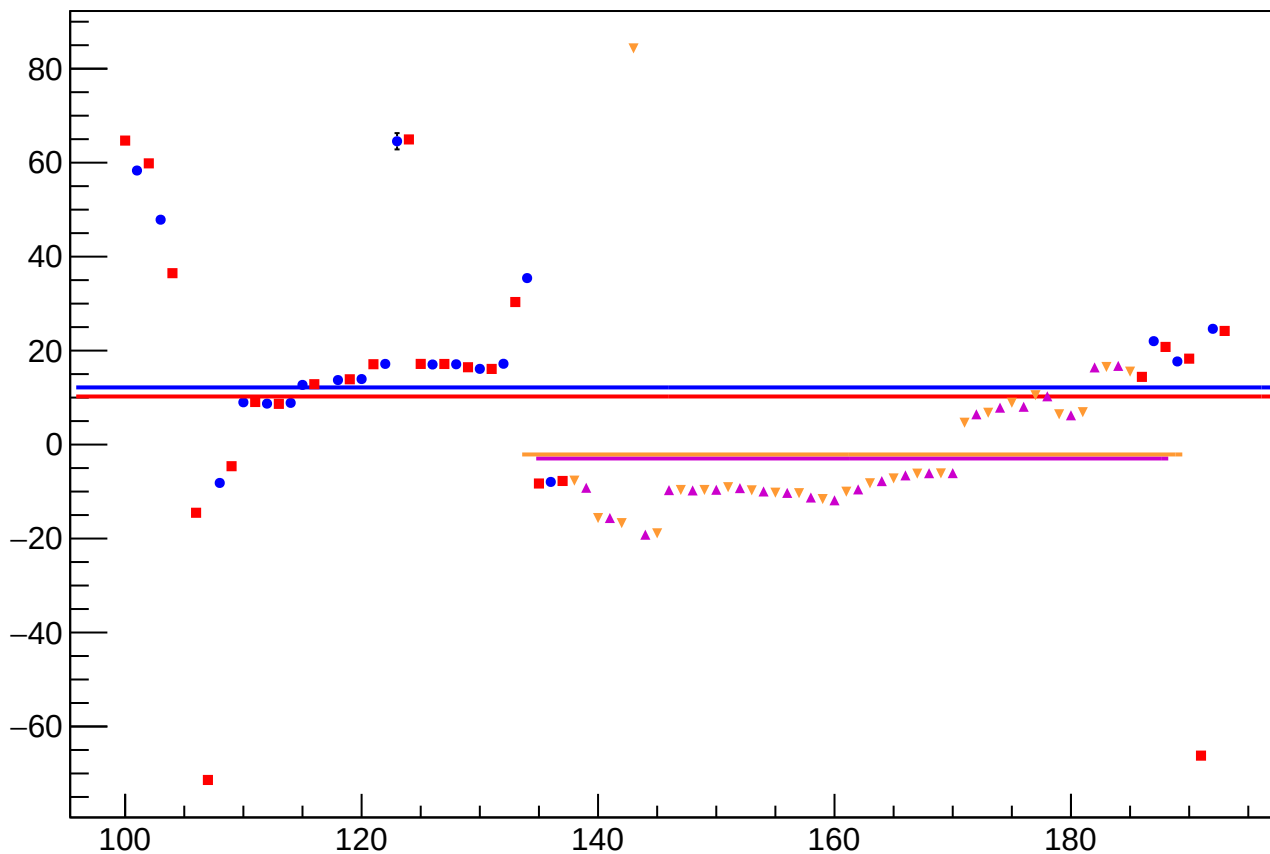
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.857 ± 0.216 χ^2/NDF : 2443.1/44

All: -1.959 ± 0.153 χ^2/NDF : 4701.3/91

- sign -2.062 ± 0.217 χ^2/NDF : 2257.8/46

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 12.165 $\pm$ 0.028 χ^2 /NDF: 405392.5/19

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 10.234 $\pm$ 0.027 χ^2 /NDF: 660226.3/23

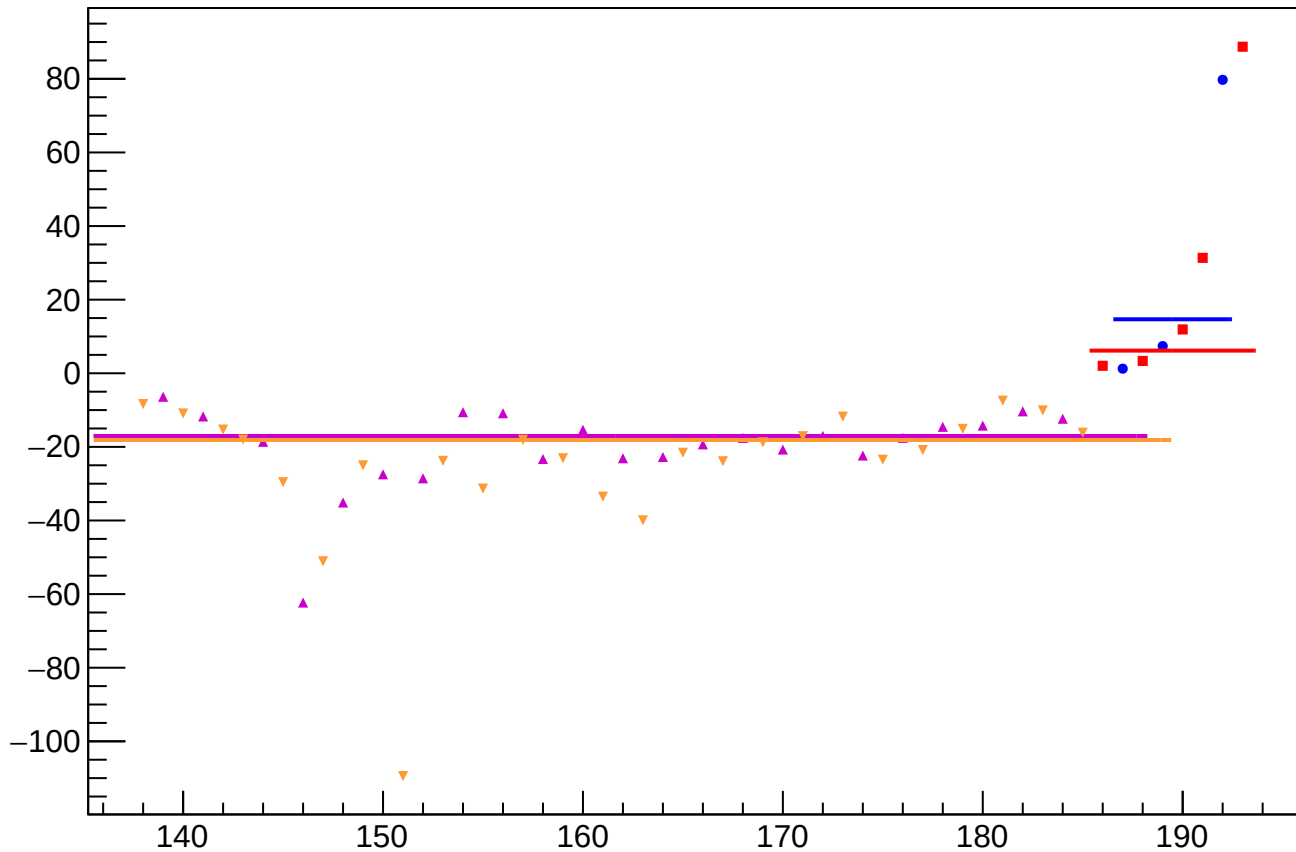
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign -0.238 $\pm$ 0.010 χ^2 /NDF: 1721796.3/44

All: -0.653 $\pm$ 0.007 χ^2 /NDF: 3354518.9/91

- sign -1.067 $\pm$ 0.010 χ^2 /NDF: 1629408.1/46

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 14.669+/-0.174 χ^2/NDF : 21763.6/2

Left Out: -18.128+/-0.039 χ^2/NDF : 88551.6/24

Right Out: 6.156+/-0.091 χ^2/NDF : 23856.7/4

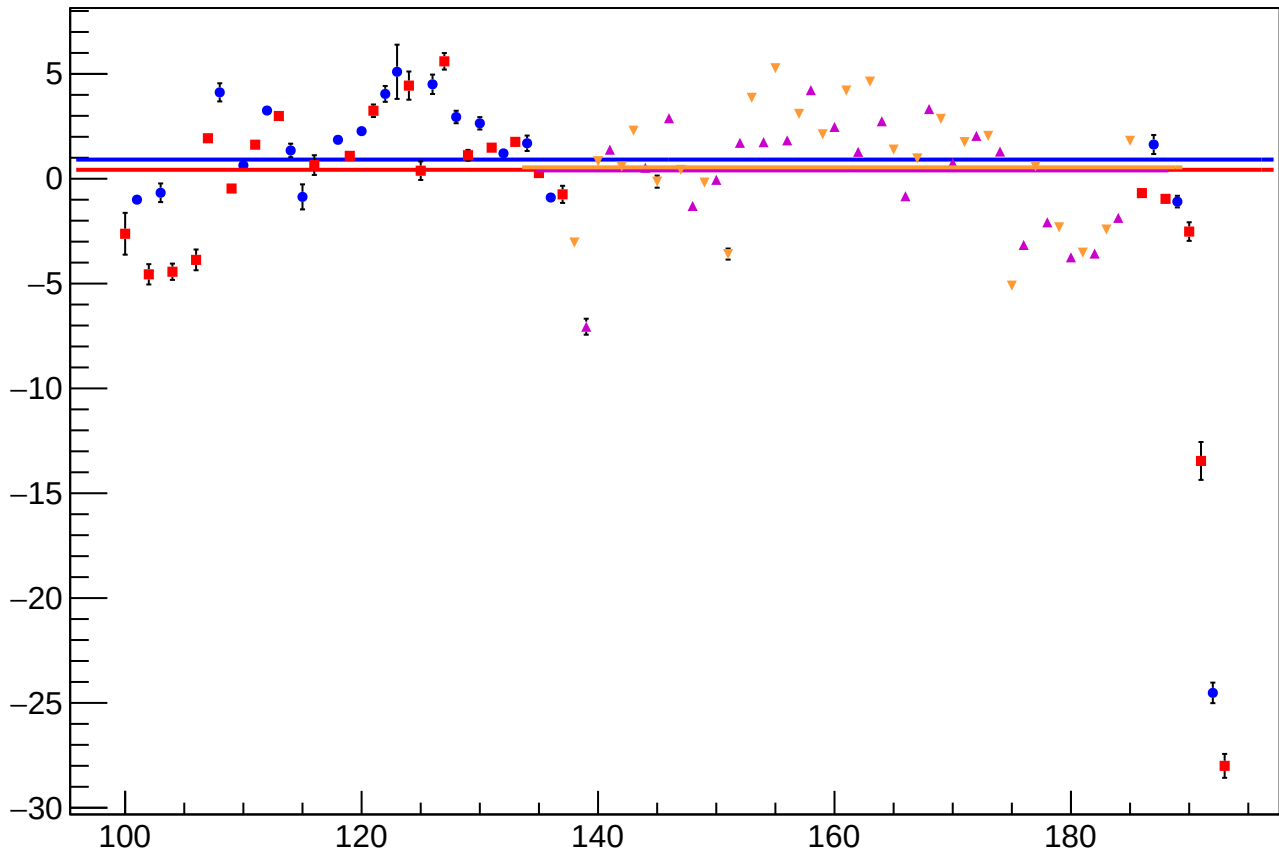
Left In: -17.038+/-0.038 χ^2/NDF : 44141.1/22

+ sign -16.562+/-0.038 χ^2/NDF : 144234.8/27

All: -14.957+/-0.026 χ^2/NDF : 270688.9/55

- sign -13.578+/-0.035 χ^2/NDF : 123133.0/27

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.914 ± 0.060 χ^2/NDF : 3451.1/19

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.427 ± 0.053 χ^2/NDF : 3933.7/23

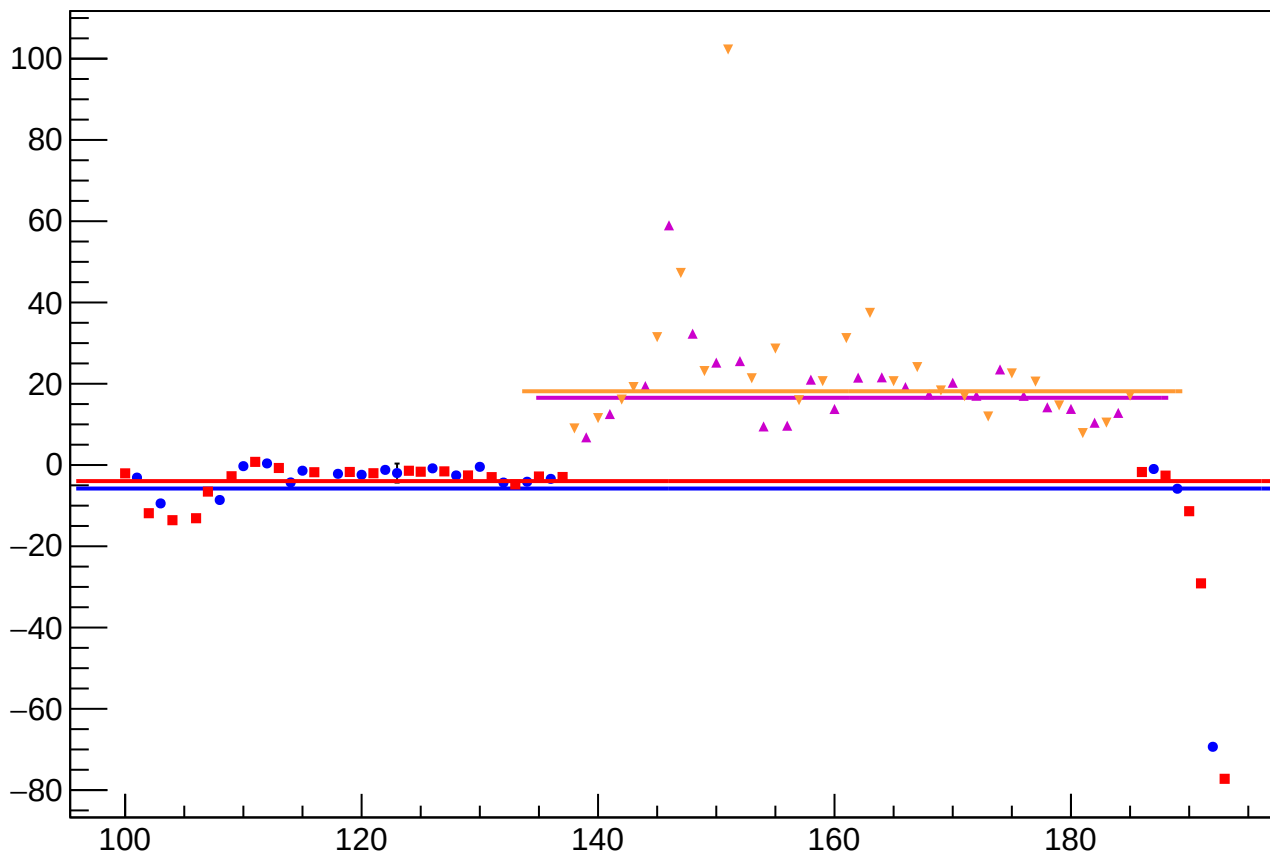
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.628 ± 0.028 χ^2/NDF : 10566.2/44

All: 0.508 ± 0.019 χ^2/NDF : 20768.7/91

- sign 0.405 ± 0.027 χ^2/NDF : 10169.6/46

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.787 ± 0.089 $\chi^2/\text{NDF}: 25375.2/19$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -3.959 ± 0.059 $\chi^2/\text{NDF}: 25468.0/23$

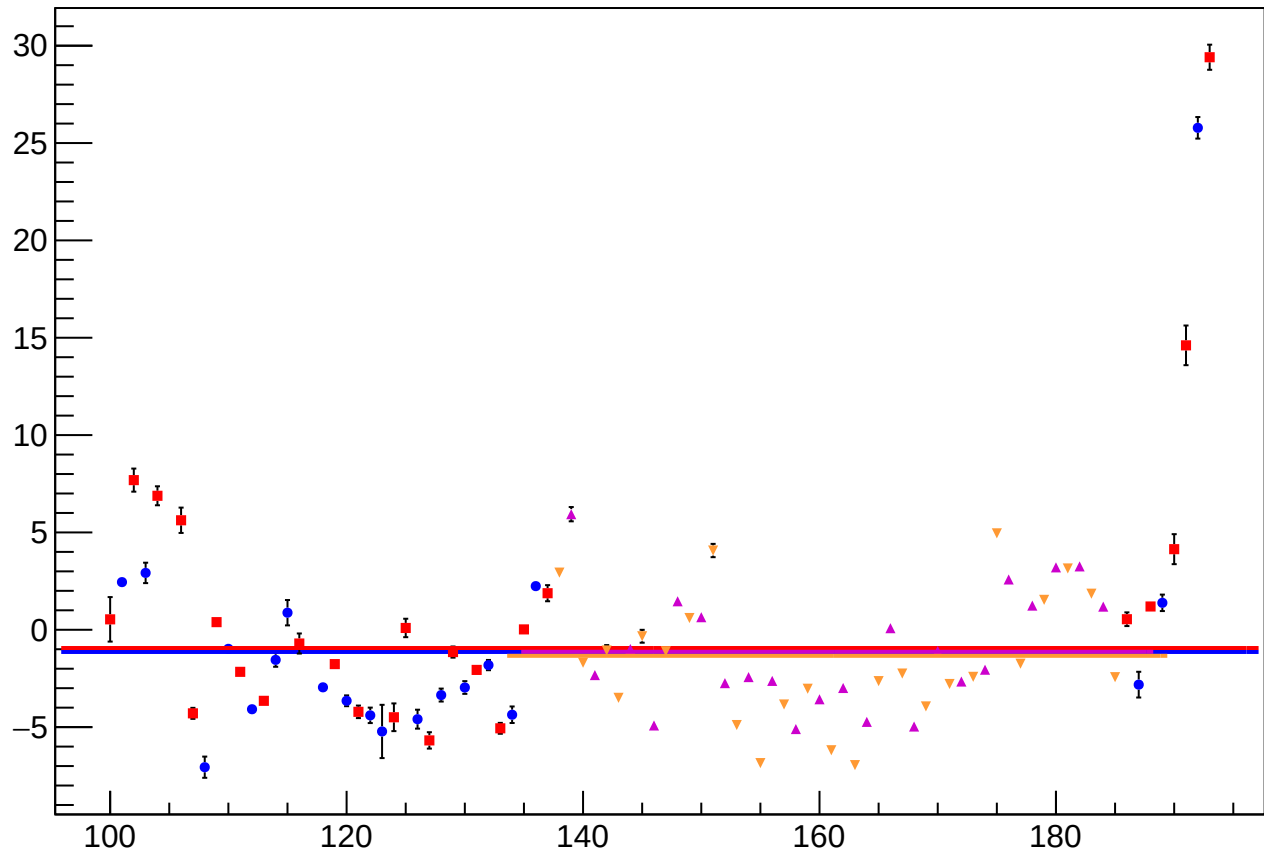
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 14.244 ± 0.036 $\chi^2/\text{NDF}: 164408.1/44$

All: 12.237 ± 0.024 $\chi^2/\text{NDF}: 321215.1/91$

- sign 10.643 ± 0.032 $\chi^2/\text{NDF}: 151158.1/46$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.140 ± 0.069 χ^2/NDF : 3712.9/19

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.937 ± 0.062 χ^2/NDF : 4178.6/23

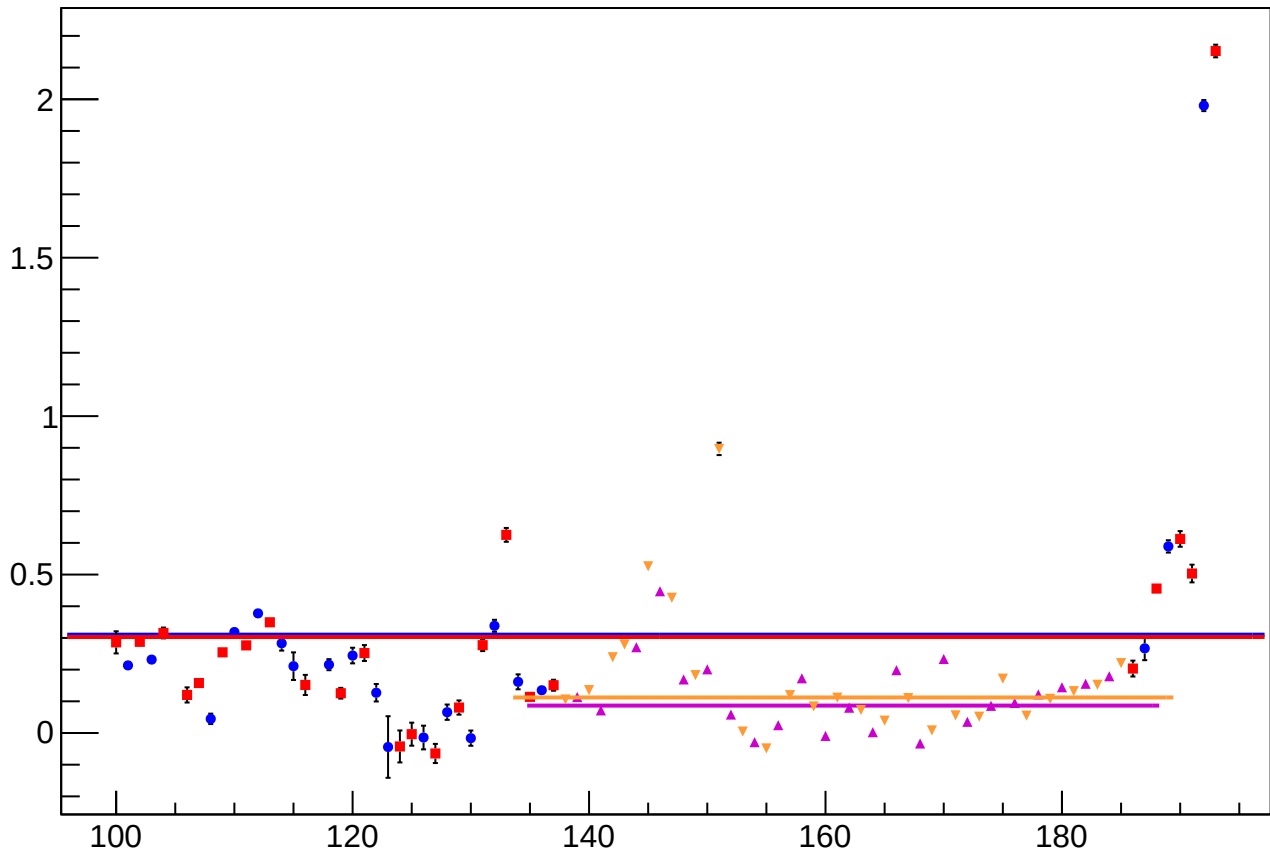
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.296 ± 0.032 χ^2/NDF : 11662.3/44

All: -1.183 ± 0.022 χ^2/NDF : 22612.1/91

- sign -1.084 ± 0.030 χ^2/NDF : 10926.3/46

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.310 $\pm$ 0.004 χ^2 /NDF: 10610.1/19

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF: 4503.9/24

Right Out: 0.303 $\pm$ 0.003 χ^2 /NDF: 10458.7/23

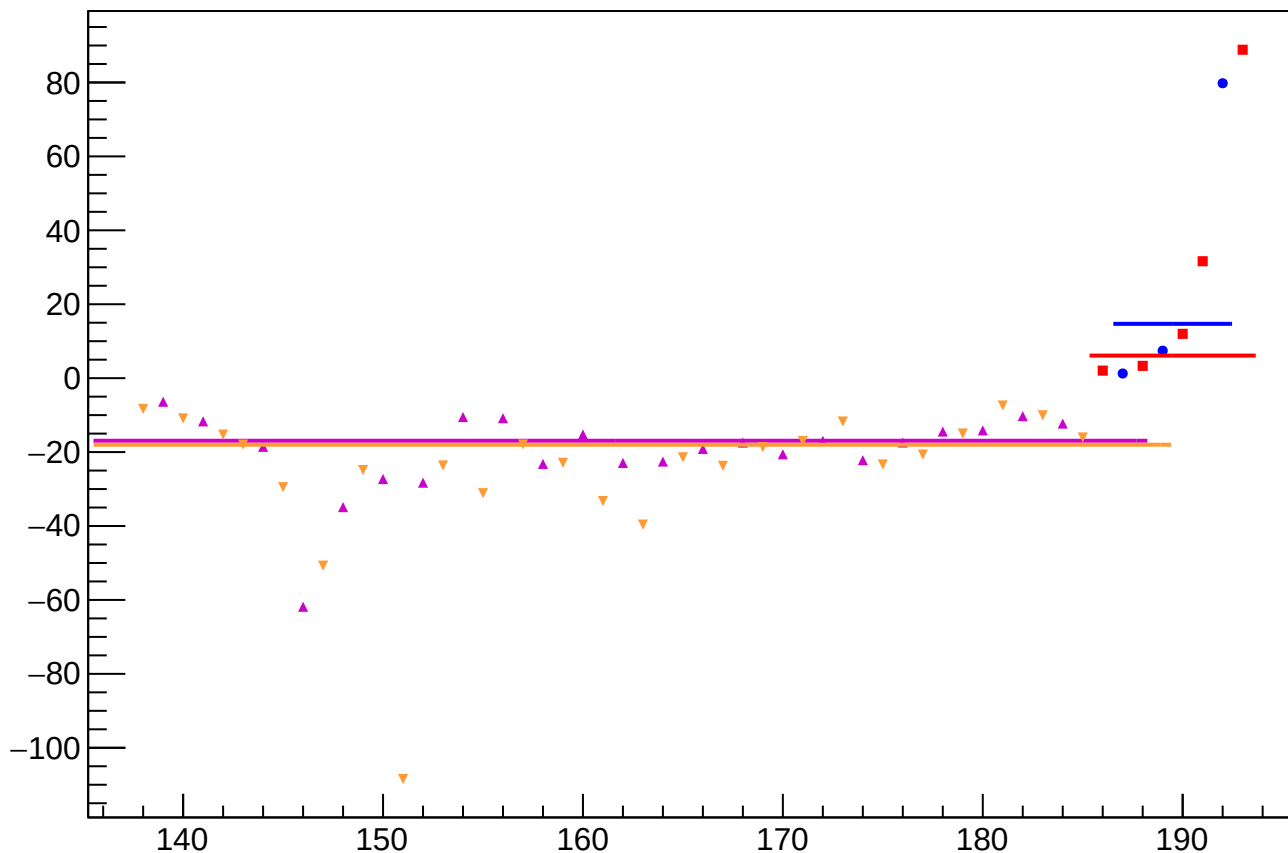
Left In: 0.087 $\pm$ 0.002 χ^2 /NDF: 3655.4/22

+ sign 0.140 $\pm$ 0.001 χ^2 /NDF: 17286.0/44

All: 0.130 $\pm$ 0.001 χ^2 /NDF: 34879.3/91

- sign 0.122 $\pm$ 0.001 χ^2 /NDF: 17510.8/46

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 14.699 $\pm$ 0.173 χ^2 /NDF: 21937.8/2

Left Out: -18.005 $\pm$ 0.039 χ^2 /NDF: 88391.0/24

Right Out: 6.107 $\pm$ 0.090 χ^2 /NDF: 24193.8/4

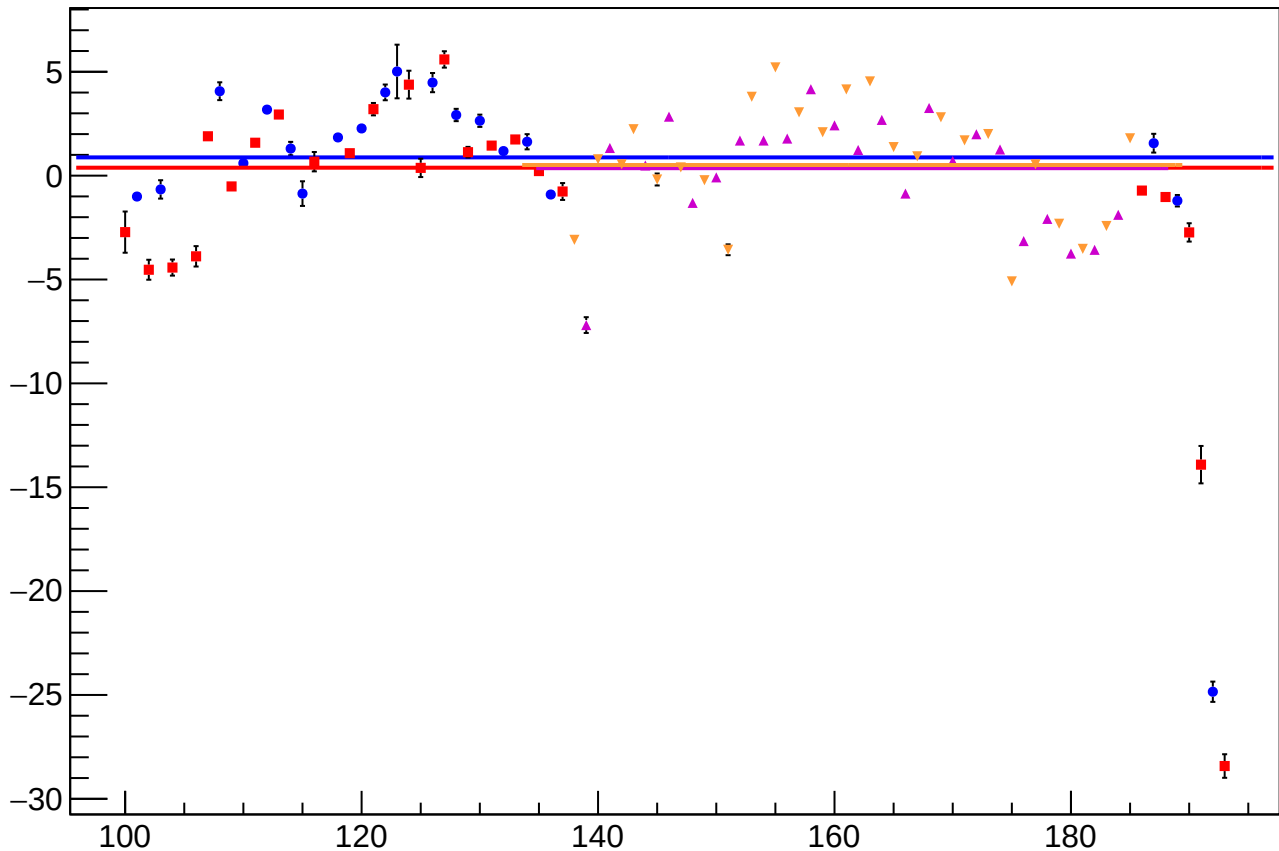
Left In: -16.934 $\pm$ 0.038 χ^2 /NDF: 44060.6/22

+ sign -16.452 $\pm$ 0.038 χ^2 /NDF: 144336.0/27

All: -14.847 $\pm$ 0.026 χ^2 /NDF: 271520.7/55

- sign -13.470 $\pm$ 0.035 χ^2 /NDF: 123818.6/27

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.879 ± 0.059 χ^2/NDF : 3537.9/19

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.383 ± 0.052 χ^2/NDF : 4059.8/23

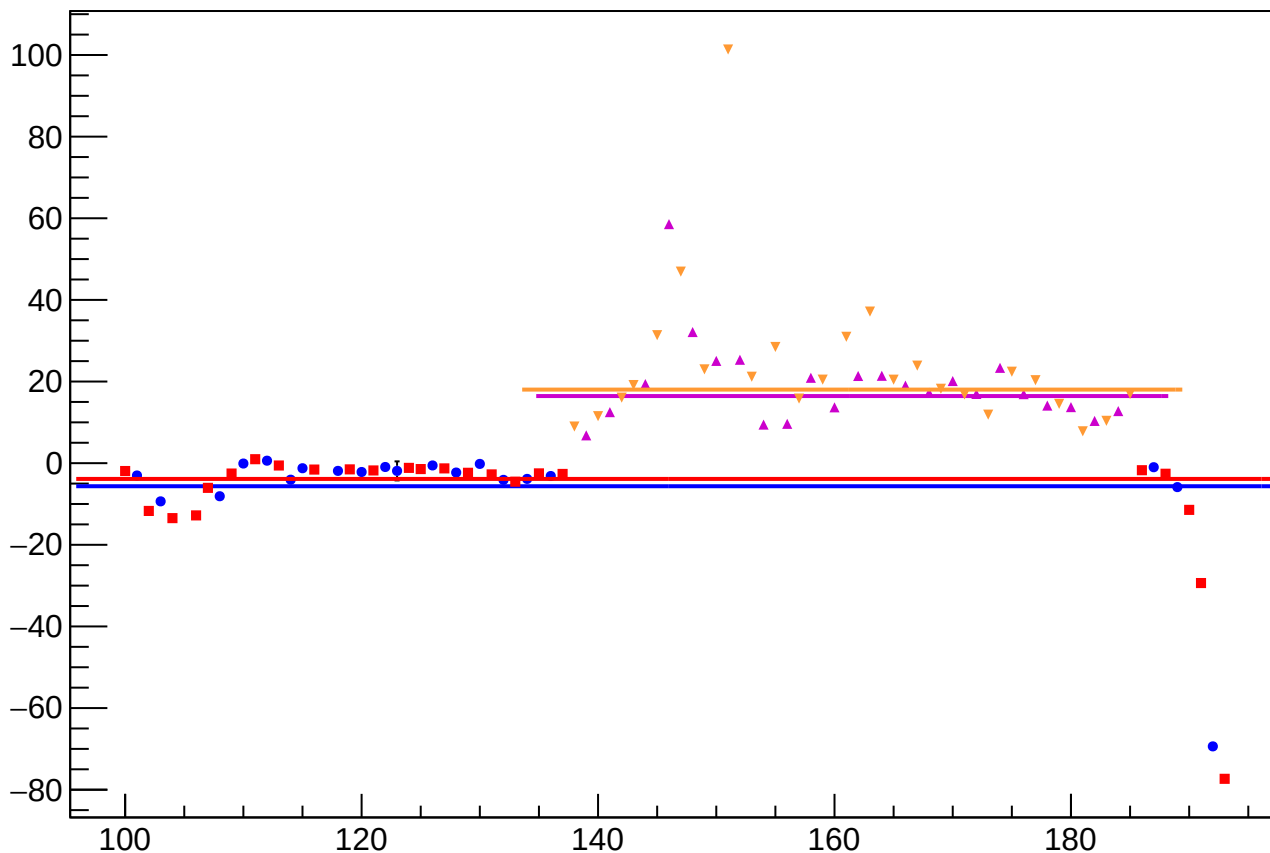
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.595 ± 0.028 χ^2/NDF : 10637.9/44

All: 0.472 ± 0.019 χ^2/NDF : 20954.2/91

- sign 0.365 ± 0.026 χ^2/NDF : 10281.0/46

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.650 ± 0.088 $\chi^2/\text{NDF}: 25716.4/19$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -3.858 ± 0.059 $\chi^2/\text{NDF}: 25865.6/23$

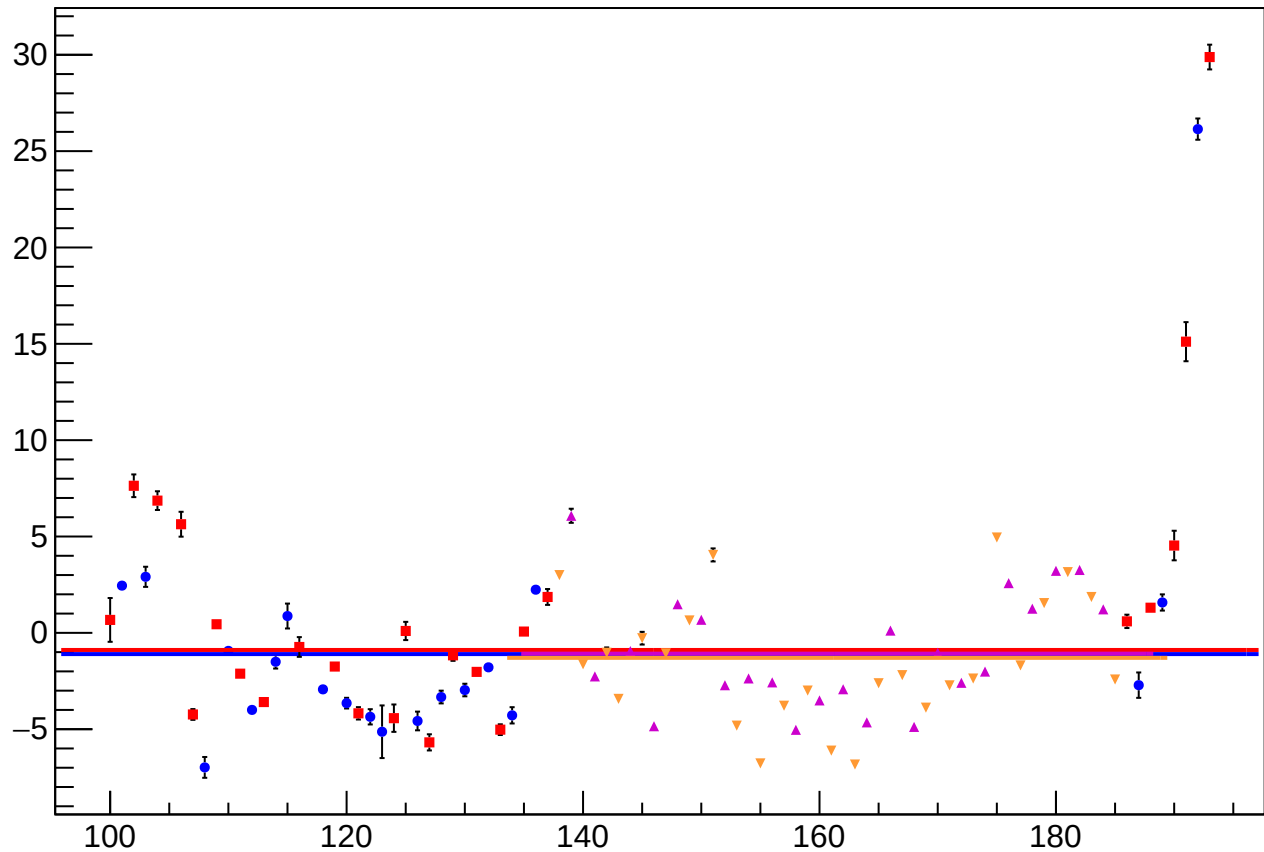
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 14.178 ± 0.036 $\chi^2/\text{NDF}: 163894.4/44$

All: 12.171 ± 0.024 $\chi^2/\text{NDF}: 320862.6/91$

- sign 10.580 ± 0.032 $\chi^2/\text{NDF}: 151244.4/46$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.102 ± 0.069 χ^2/NDF : 3789.0/19

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.888 ± 0.061 χ^2/NDF : 4300.1/23

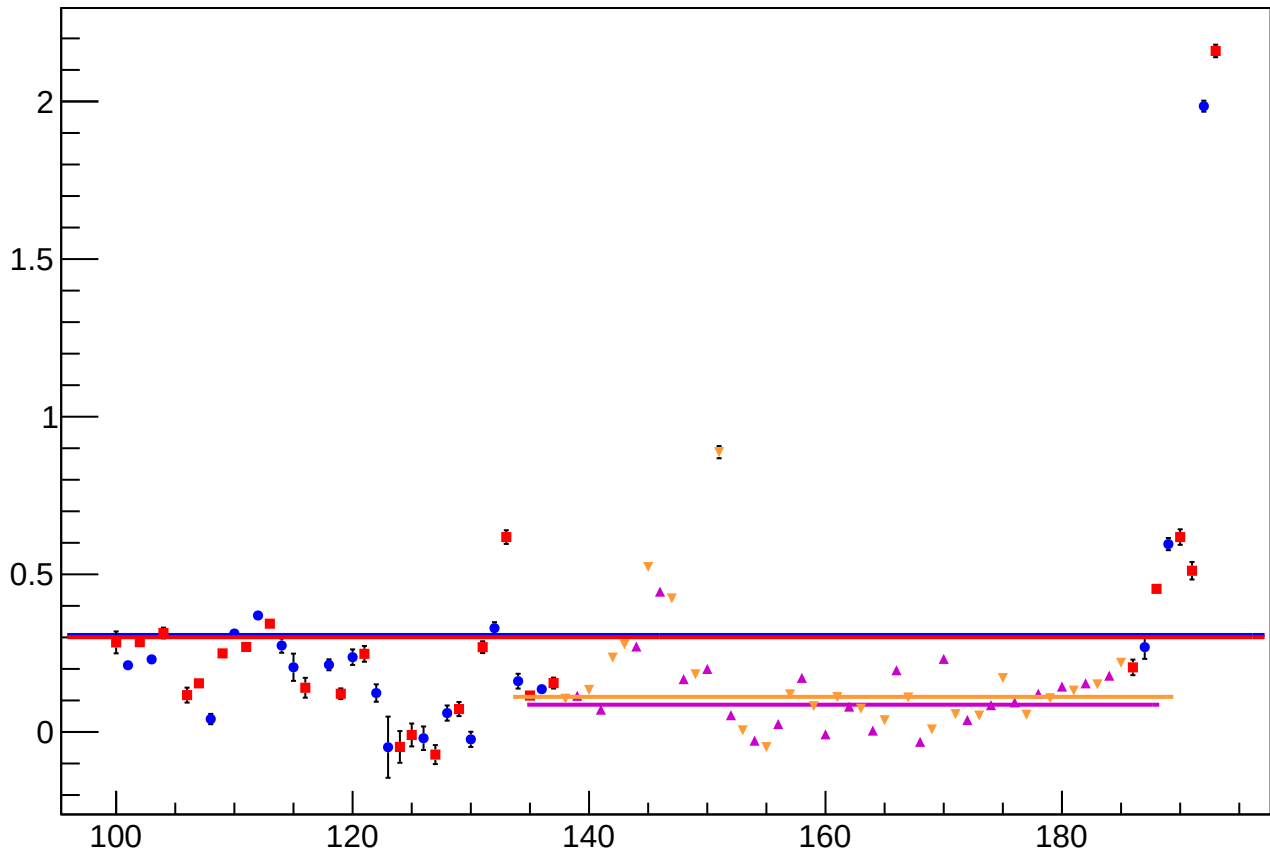
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.256 ± 0.032 χ^2/NDF : 11720.5/44

All: -1.139 ± 0.022 χ^2/NDF : 22777.8/91

- sign -1.037 ± 0.030 χ^2/NDF : 11031.8/46

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.308 ± 0.004 χ^2/NDF : 10775.0/19

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.301 ± 0.003 χ^2/NDF : 10647.9/23

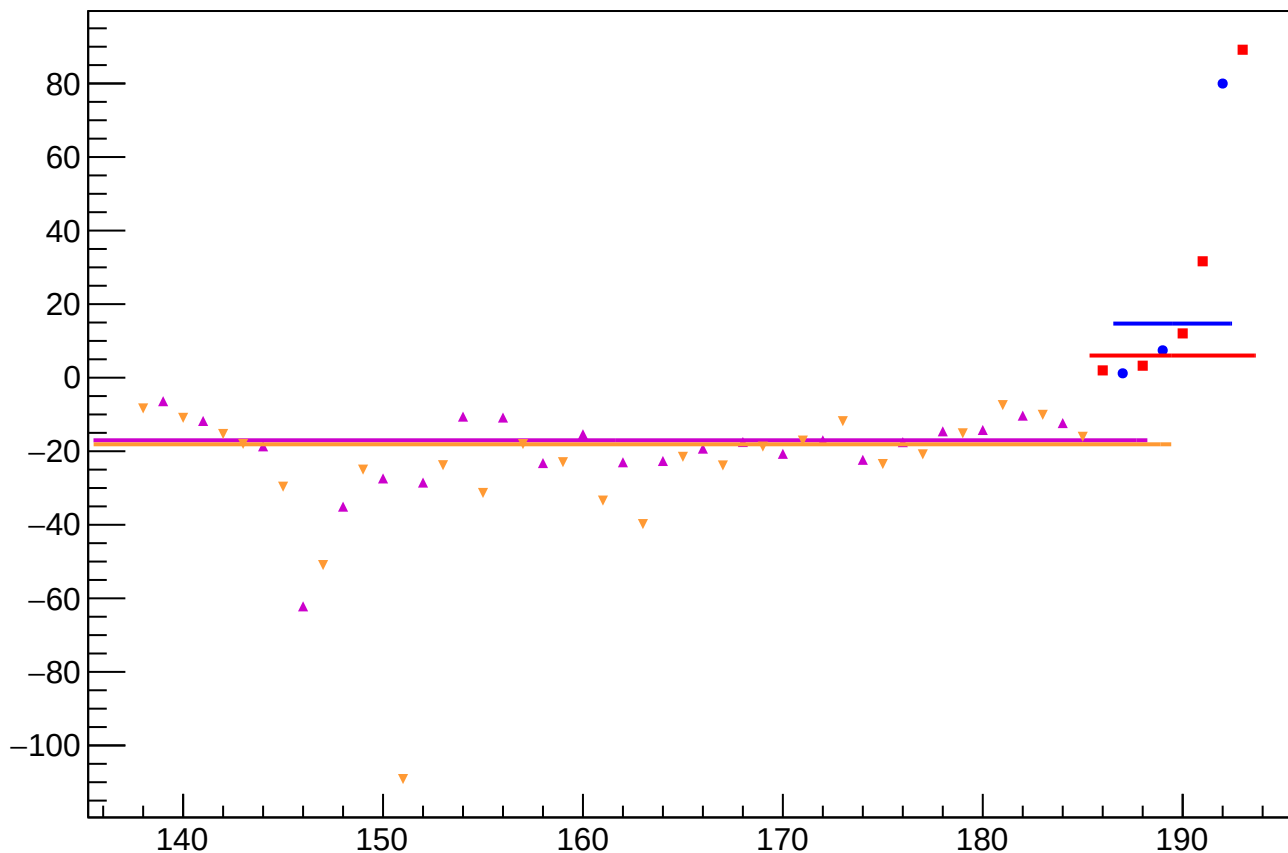
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.139 ± 0.001 χ^2/NDF : 17422.1/44

All: 0.130 ± 0.001 χ^2/NDF : 35135.0/91

- sign 0.121 ± 0.001 χ^2/NDF : 17635.1/46

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 14.711 $\pm$ 0.174 χ^2 /NDF: 21935.0/2

Left Out: -18.112 $\pm$ 0.039 χ^2 /NDF: 88529.7/24

Right Out: 6.022 $\pm$ 0.090 χ^2 /NDF: 24213.0/4

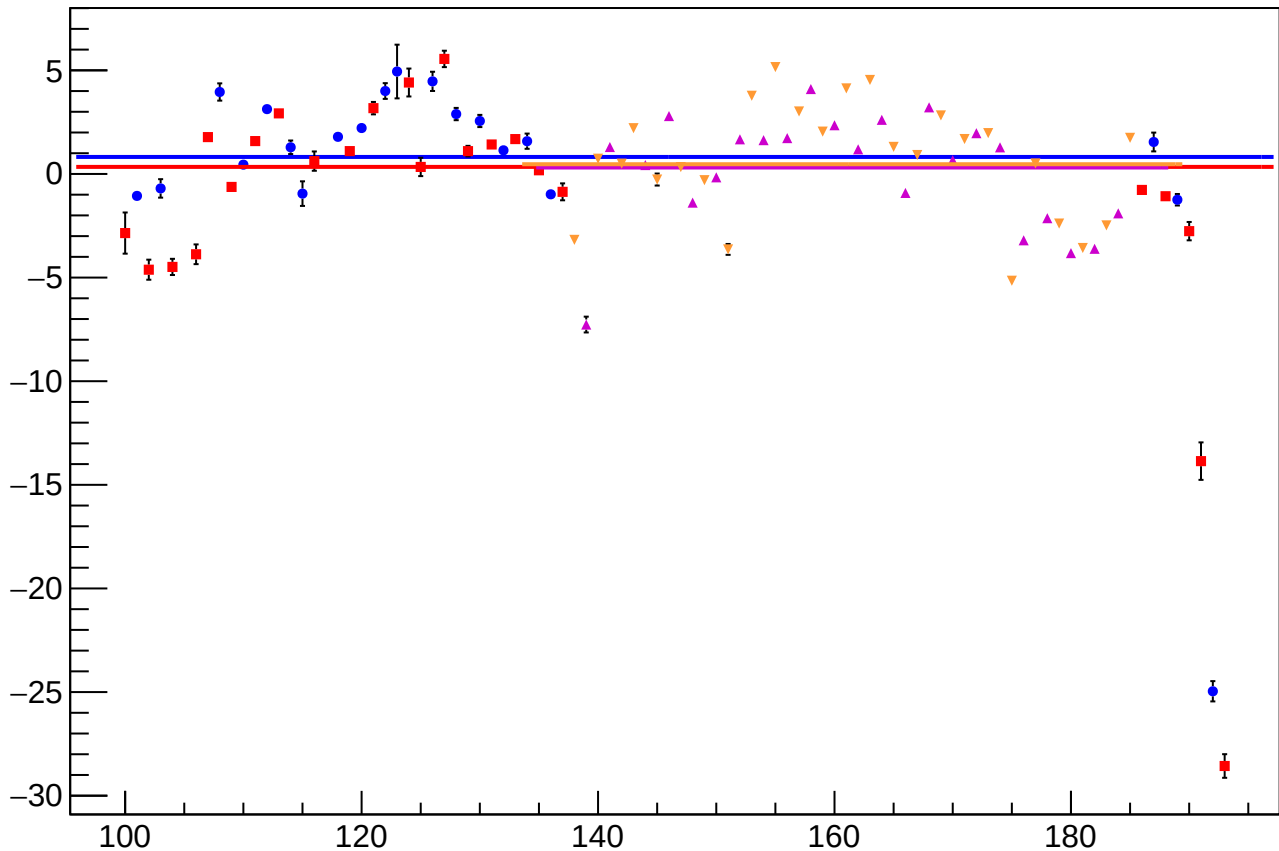
Left In: -17.024 $\pm$ 0.038 χ^2 /NDF: 44141.8/22

+ sign -16.553 $\pm$ 0.038 χ^2 /NDF: 144459.5/27

All: -14.923 $\pm$ 0.026 χ^2 /NDF: 271897.3/55

- sign -13.528 $\pm$ 0.035 χ^2 /NDF: 124001.2/27

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.821 ± 0.060 χ^2/NDF : 3535.8/19

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.341 ± 0.052 χ^2/NDF : 4060.8/23

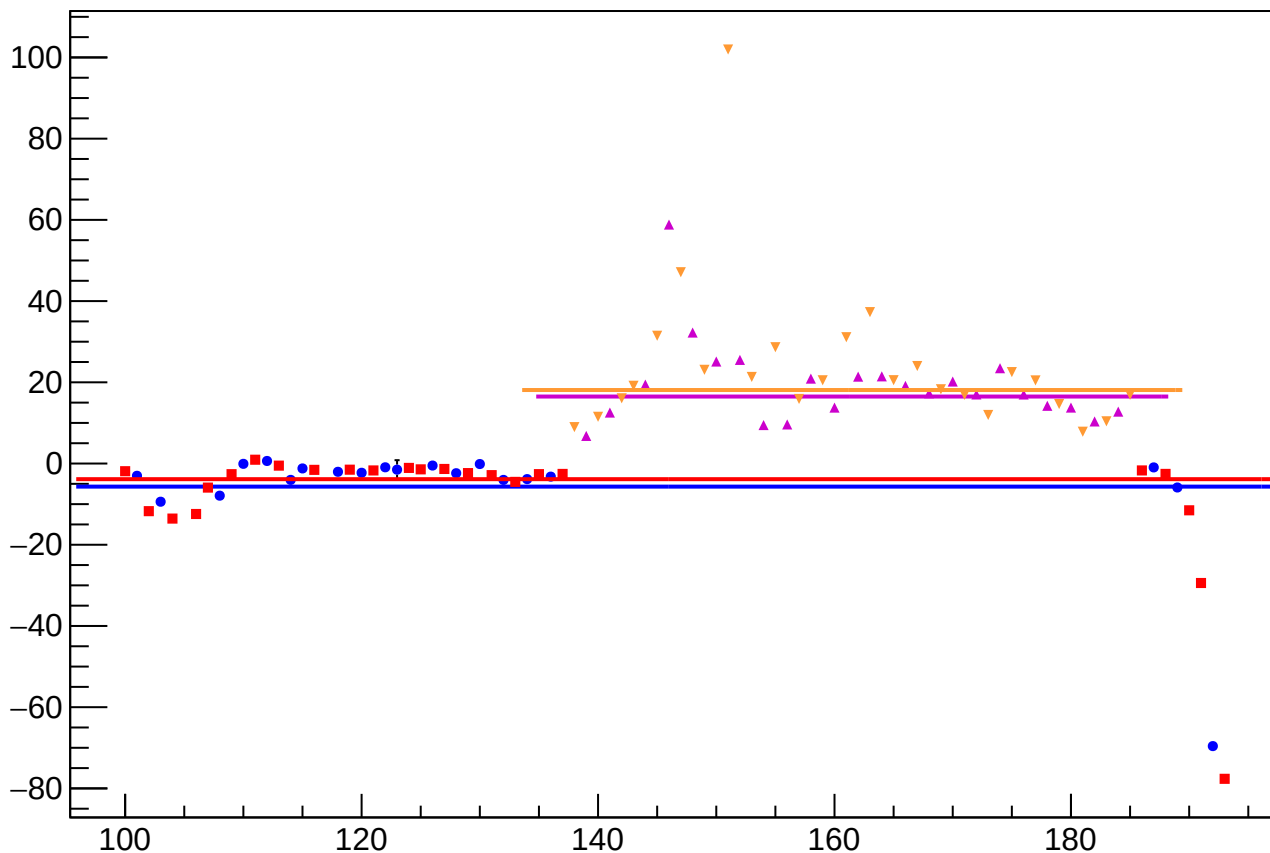
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.549 ± 0.028 χ^2/NDF : 10655.8/44

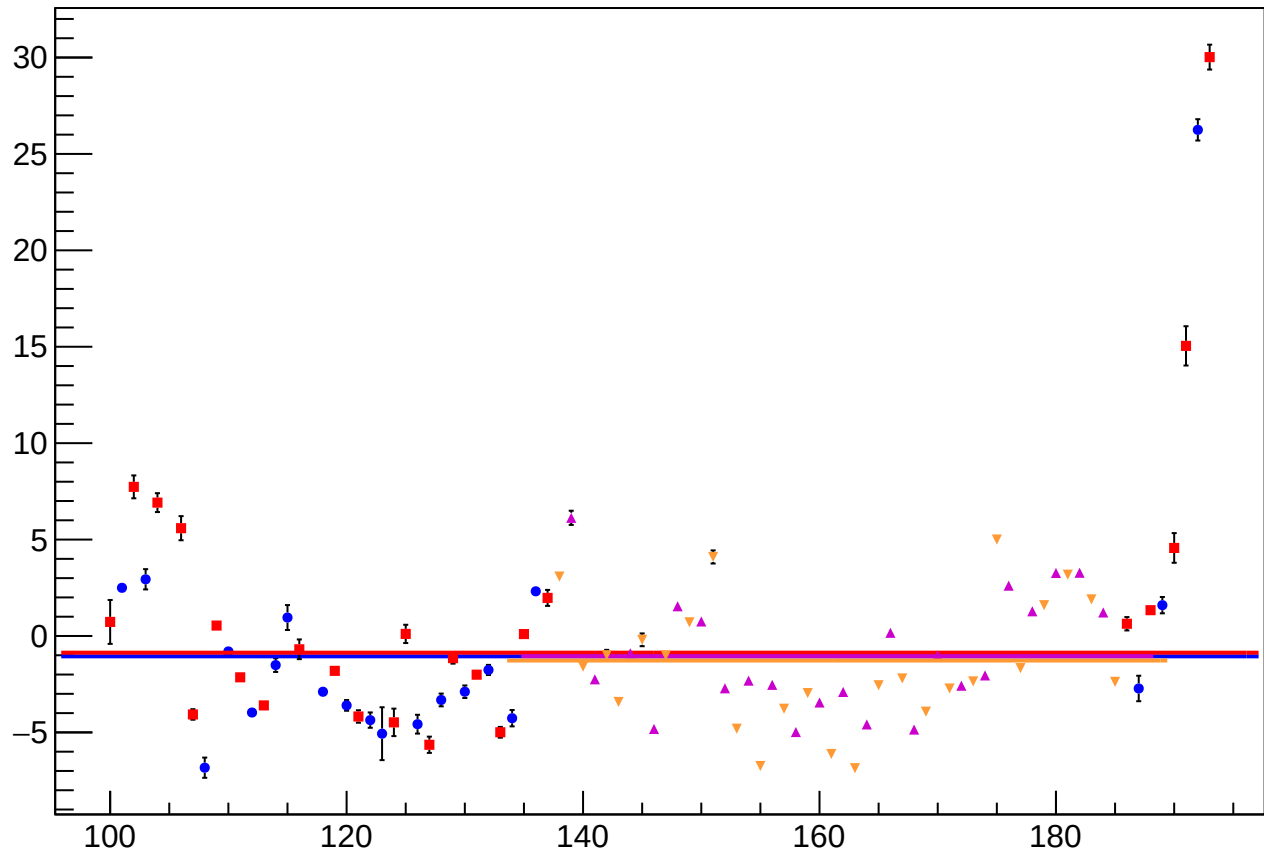
All: 0.425 ± 0.019 χ^2/NDF : 20935.2/91

- sign 0.318 ± 0.026 χ^2/NDF : 10244.1/46

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.056 ± 0.069 χ^2/NDF : 3788.2/19

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.865 ± 0.062 χ^2/NDF : 4304.1/23

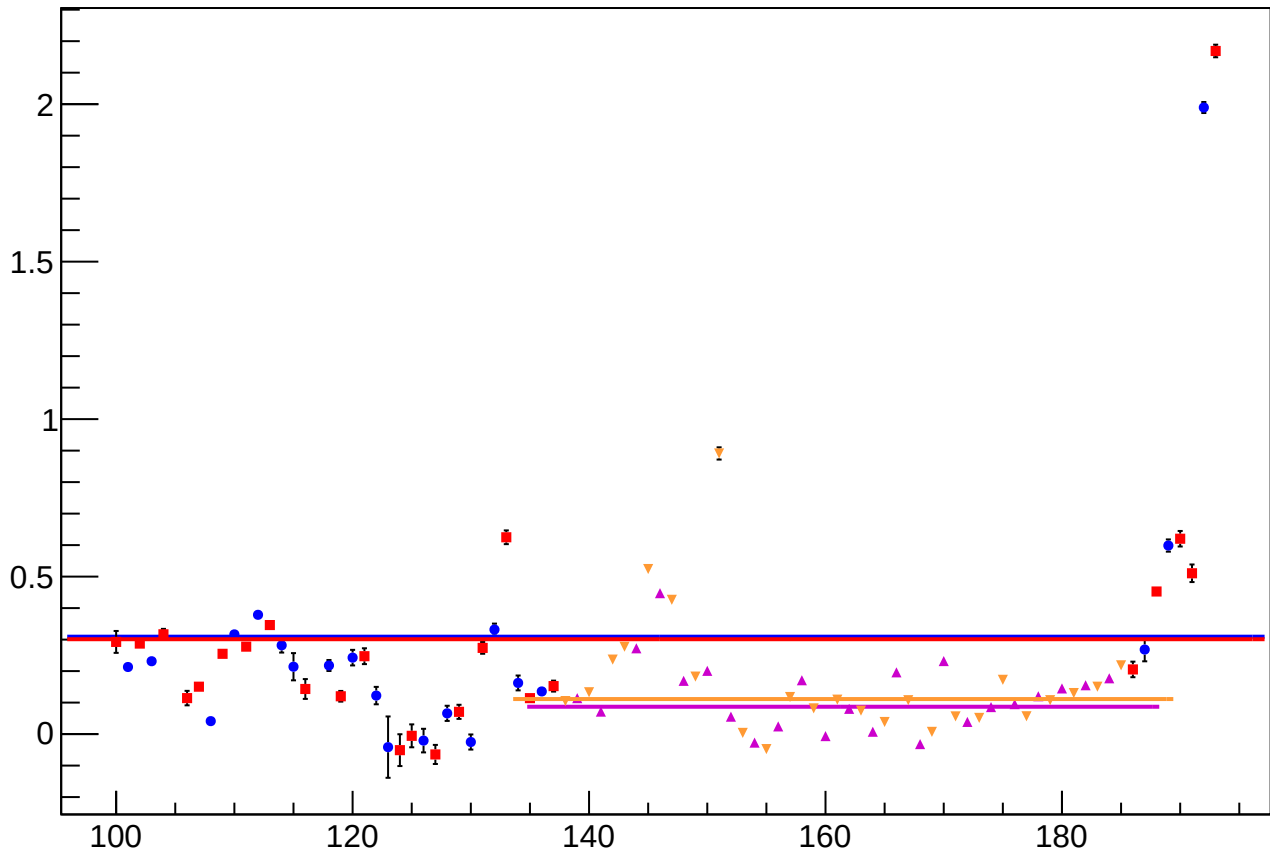
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.227 ± 0.032 χ^2/NDF : 11747.5/44

All: -1.110 ± 0.022 χ^2/NDF : 22757.5/91

- sign -1.007 ± 0.030 χ^2/NDF : 10984.5/46

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.309 ± 0.004 $\chi^2/\text{NDF}: 10774.4/19$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.301 ± 0.003 $\chi^2/\text{NDF}: 10669.0/23$

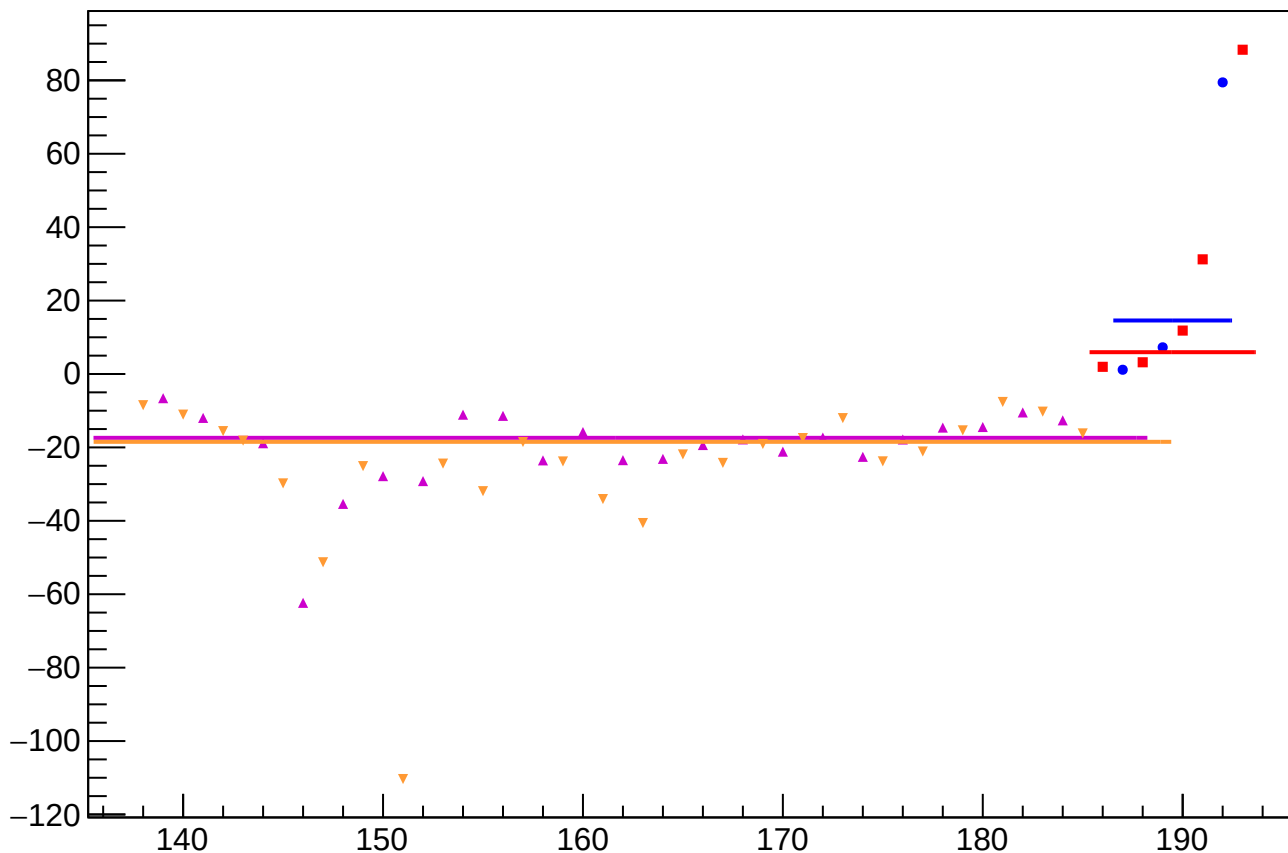
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.139 ± 0.001 $\chi^2/\text{NDF}: 17422.2/44$

All: 0.130 ± 0.001 $\chi^2/\text{NDF}: 35119.5/91$

- sign 0.122 ± 0.001 $\chi^2/\text{NDF}: 17623.4/46$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 14.577+/-0.174 χ^2/NDF : 21562.9/2

Left Out: -18.479+/-0.040 χ^2/NDF : 87883.4/24

Right Out: 5.942+/-0.090 χ^2/NDF : 23701.3/4

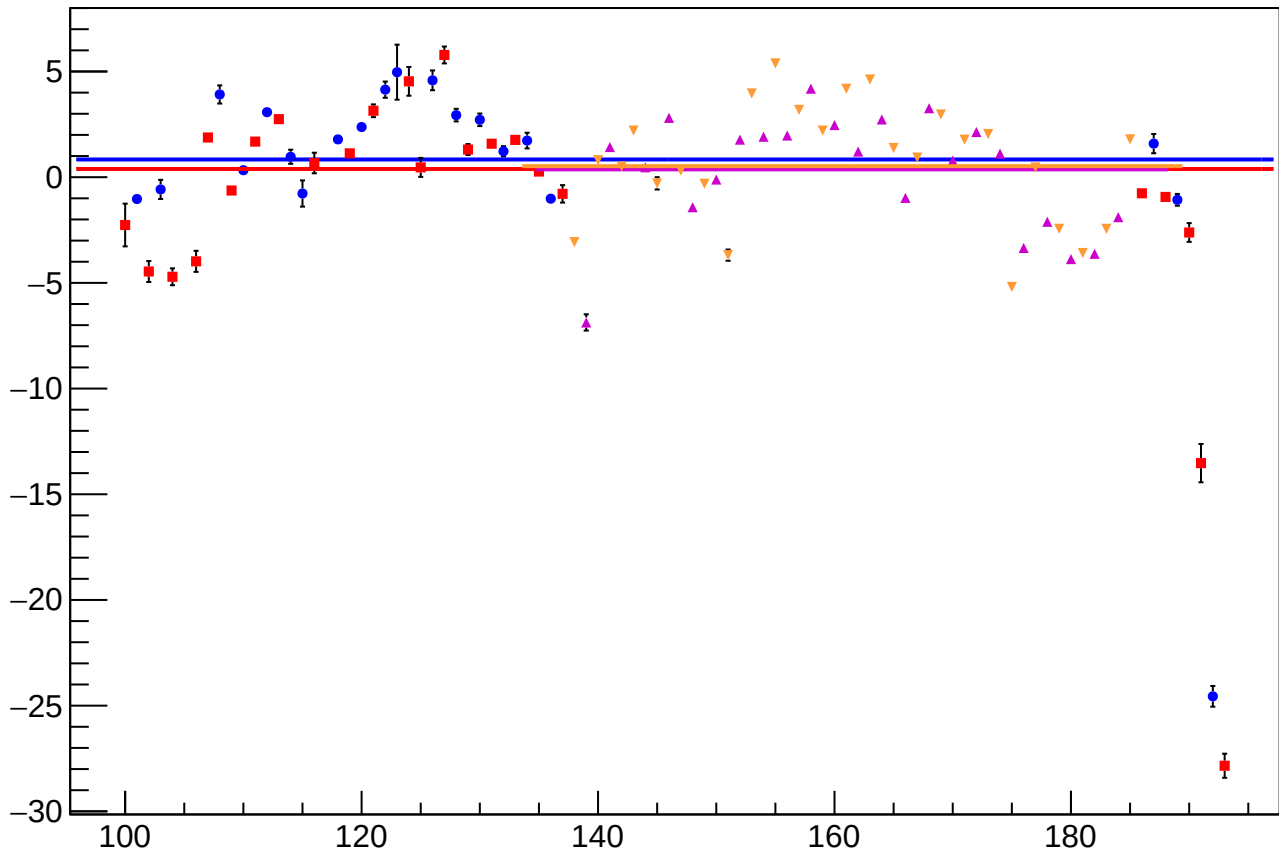
Left In: -17.393+/-0.039 χ^2/NDF : 43178.9/22

+ sign -16.849+/-0.039 χ^2/NDF : 143632.8/27

All: -15.165+/-0.026 χ^2/NDF : 270368.5/55

- sign -13.728+/-0.036 χ^2/NDF : 123227.8/27

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.838 ± 0.061 χ^2/NDF : 3430.7/19

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.388 ± 0.053 χ^2/NDF : 3879.1/23

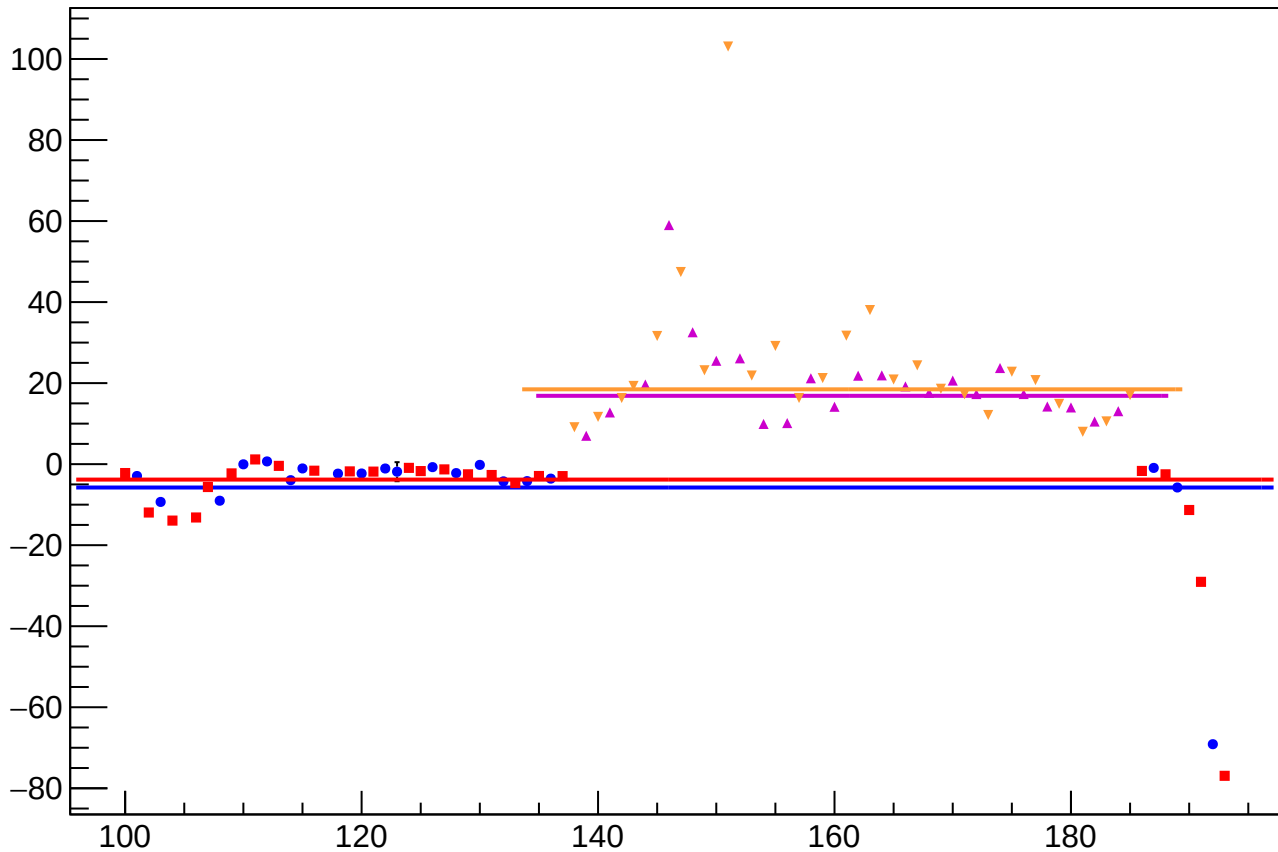
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.594 ± 0.029 χ^2/NDF : 10506.8/44

All: 0.477 ± 0.020 χ^2/NDF : 20633.7/91

- sign 0.376 ± 0.027 χ^2/NDF : 10096.6/46

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.767 ± 0.090 $\chi^2/\text{NDF}: 25180.5/19$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -3.811 ± 0.059 $\chi^2/\text{NDF}: 25343.4/23$

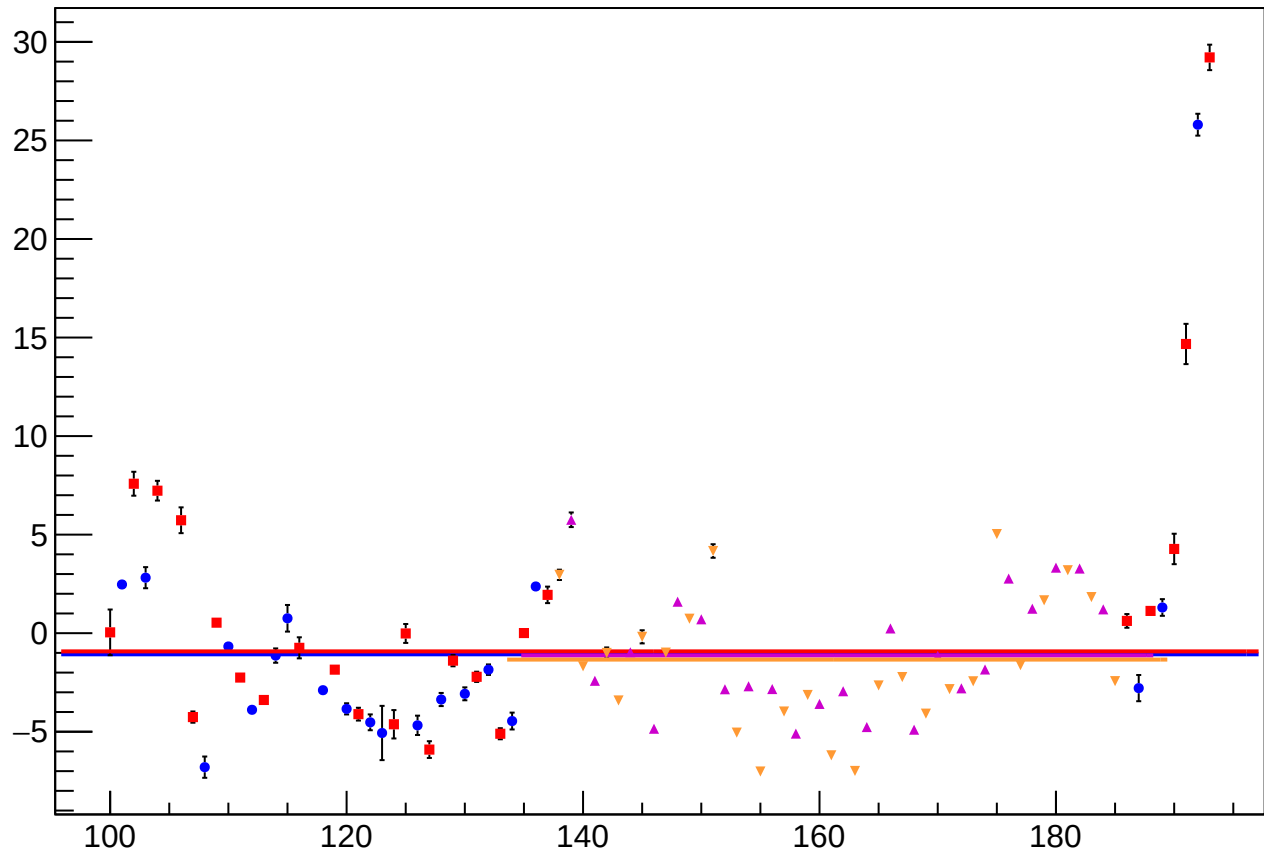
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 14.463 ± 0.036 $\chi^2/\text{NDF}: 163411.7/44$

All: 12.384 ± 0.024 $\chi^2/\text{NDF}: 319470.5/91$

- sign 10.744 ± 0.032 $\chi^2/\text{NDF}: 150237.7/46$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.072 ± 0.071 χ^2/NDF : 3681.2/19

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.924 ± 0.063 χ^2/NDF : 4119.3/23

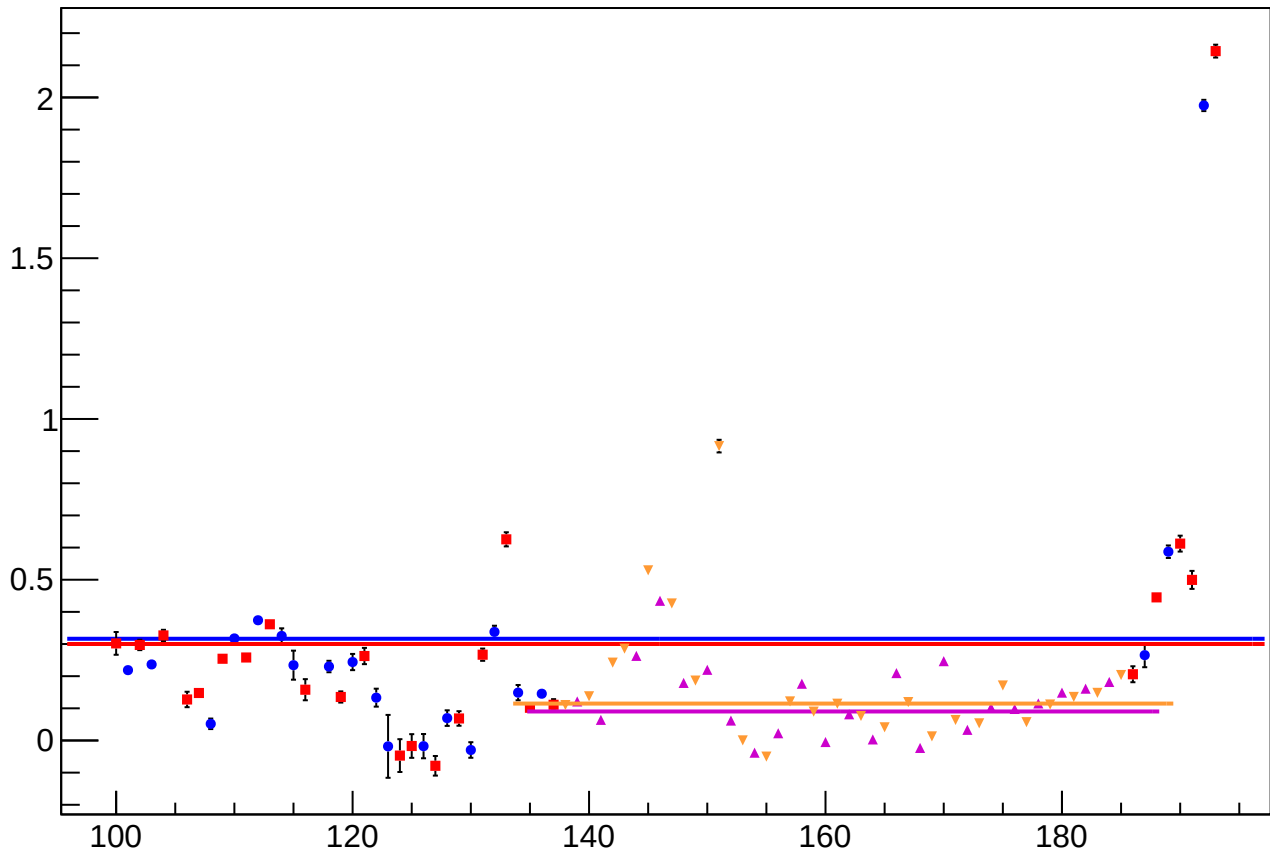
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.283 ± 0.032 χ^2/NDF : 11600.0/44

All: -1.177 ± 0.022 χ^2/NDF : 22456.5/91

- sign -1.083 ± 0.030 χ^2/NDF : 10836.3/46

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.316 ± 0.004 χ^2/NDF : 10428.0/19

Left Out: 0.115 ± 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.300 ± 0.003 χ^2/NDF : 10466.3/23

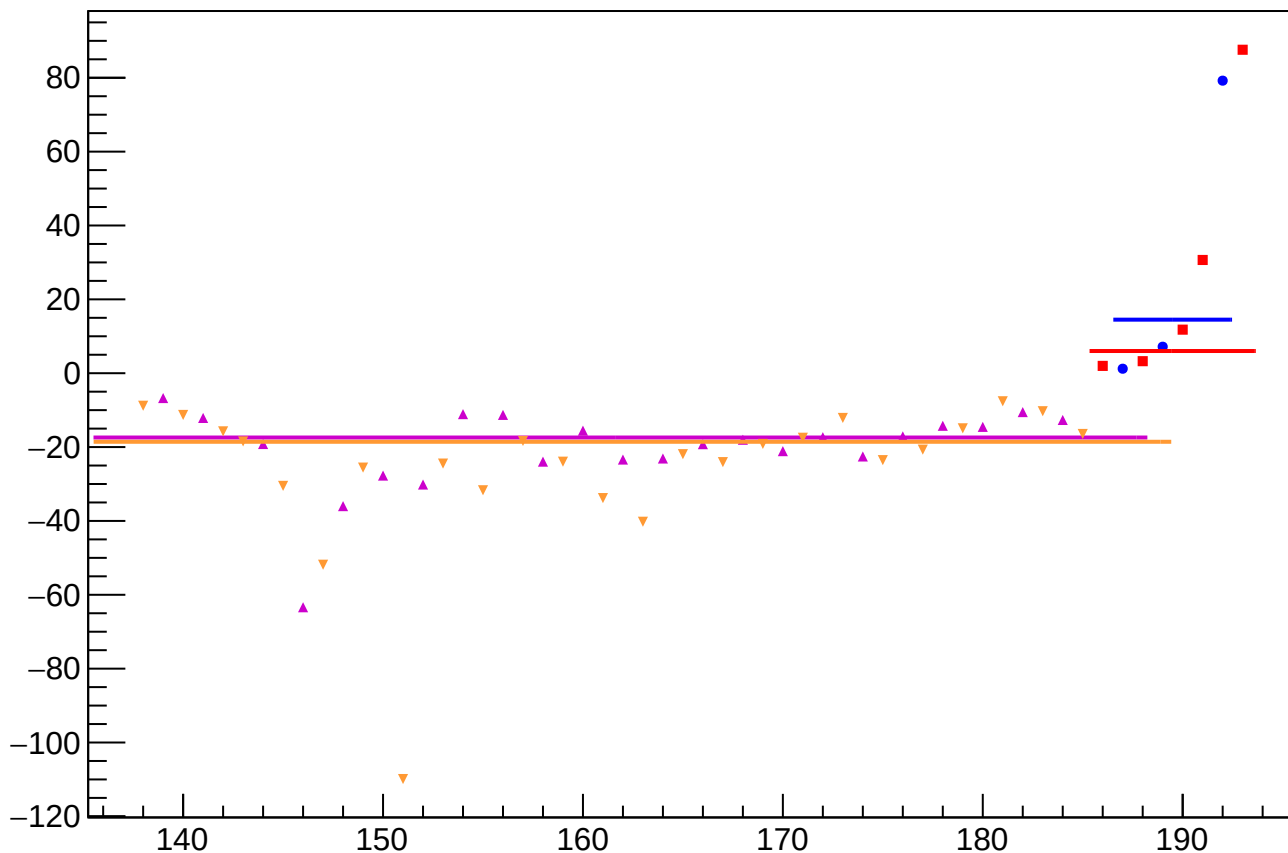
Left In: 0.090 ± 0.002 χ^2/NDF : 3676.5/22

+ sign 0.144 ± 0.002 χ^2/NDF : 17037.7/44

All: 0.134 ± 0.001 χ^2/NDF : 34359.0/91

- sign 0.125 ± 0.001 χ^2/NDF : 17239.8/46

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 14.501 $\pm$ 0.175 χ^2 /NDF: 21235.1/2

Left Out: -18.566 $\pm$ 0.040 χ^2 /NDF: 86389.6/24

Right Out: 6.011 $\pm$ 0.091 χ^2 /NDF: 23120.8/4

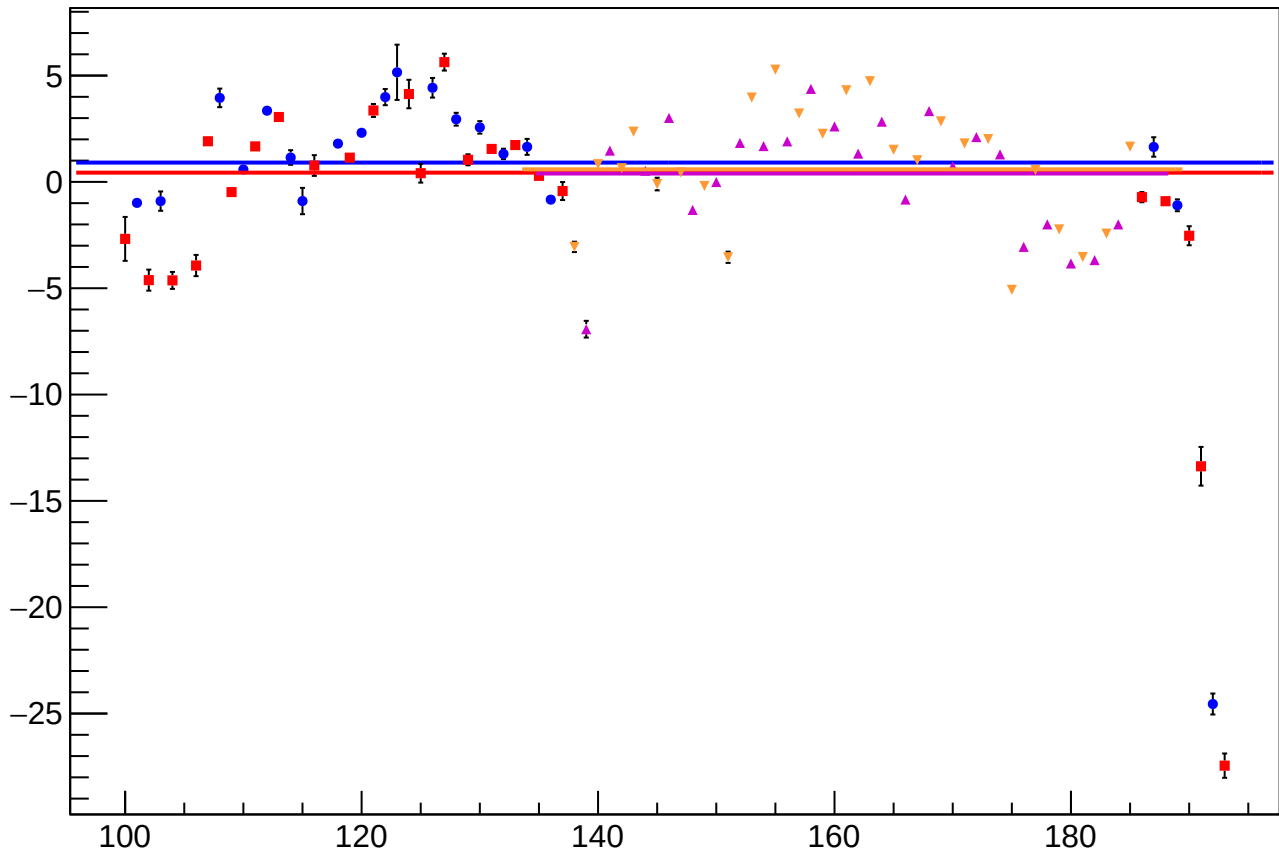
Left In: -17.414 $\pm$ 0.039 χ^2 /NDF: 43504.1/22

+ sign -16.917 $\pm$ 0.039 χ^2 /NDF: 141538.0/27

All: -15.208 $\pm$ 0.027 χ^2 /NDF: 267265.4/55

- sign -13.751 $\pm$ 0.036 χ^2 /NDF: 122184.9/27

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.909 ± 0.061 χ^2/NDF : 3387.1/19

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.435 ± 0.054 χ^2/NDF : 3791.1/23

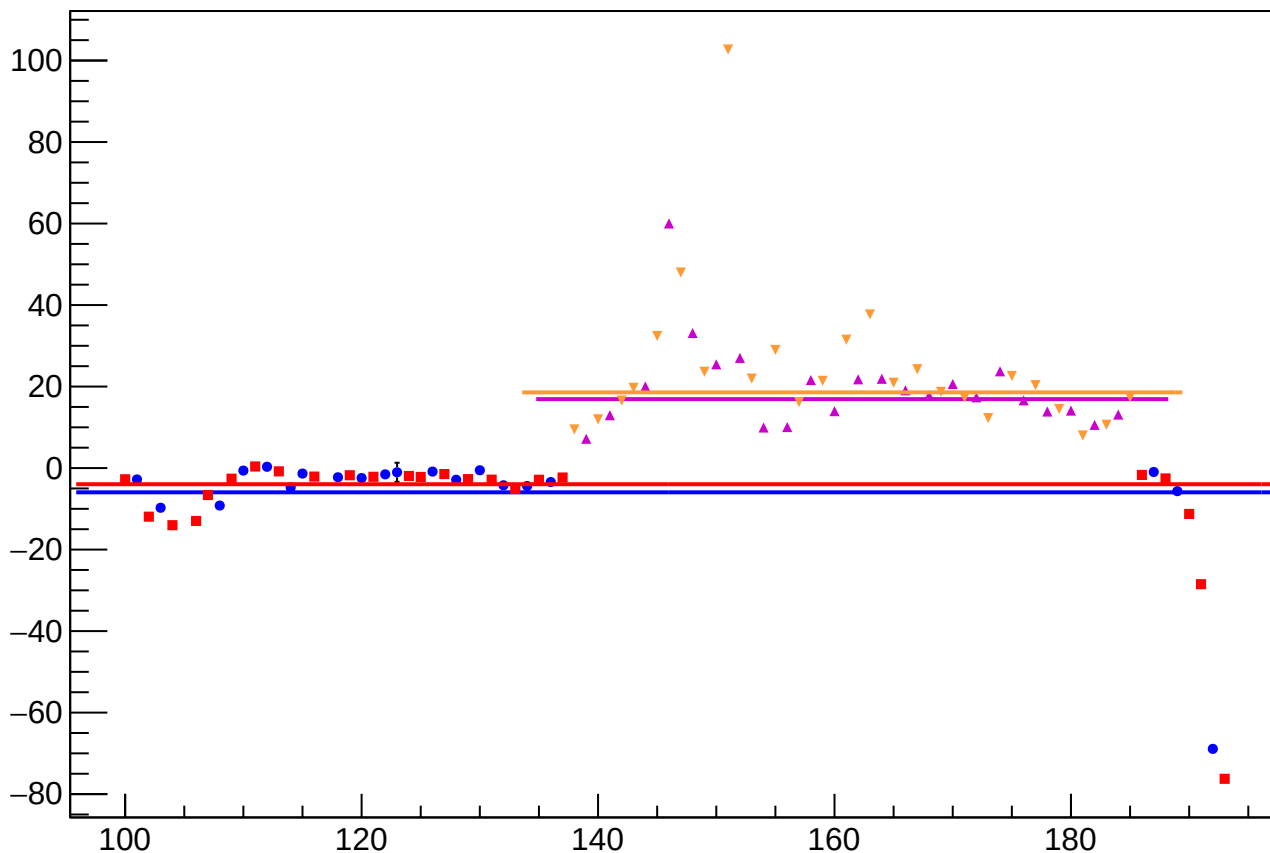
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.663 ± 0.029 χ^2/NDF : 10204.4/44

All: 0.525 ± 0.020 χ^2/NDF : 20097.6/91

- sign 0.405 ± 0.027 χ^2/NDF : 9851.3/46

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.948 ± 0.091 χ^2/NDF : 24563.1/19

Left Out: 18.573 ± 0.040 χ^2/NDF : 76029.9/24

Right Out: -3.963 ± 0.060 χ^2/NDF : 24581.7/23

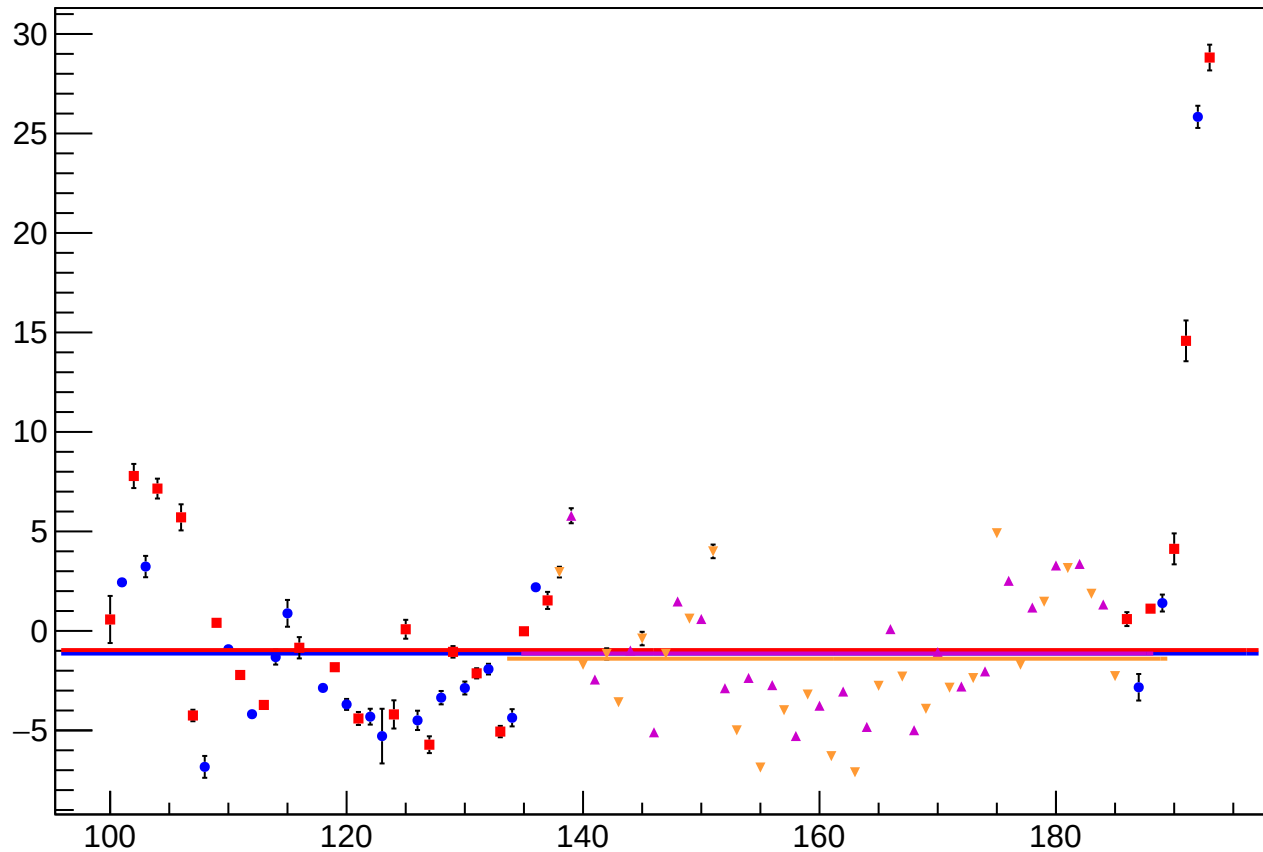
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 14.530 ± 0.037 χ^2/NDF : 161750.3/44

All: 12.440 ± 0.024 χ^2/NDF : 316818.8/91

- sign 10.789 ± 0.033 χ^2/NDF : 149292.2/46

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.138 ± 0.071 χ^2/NDF : 3624.2/19

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.964 ± 0.064 χ^2/NDF : 4025.8/23

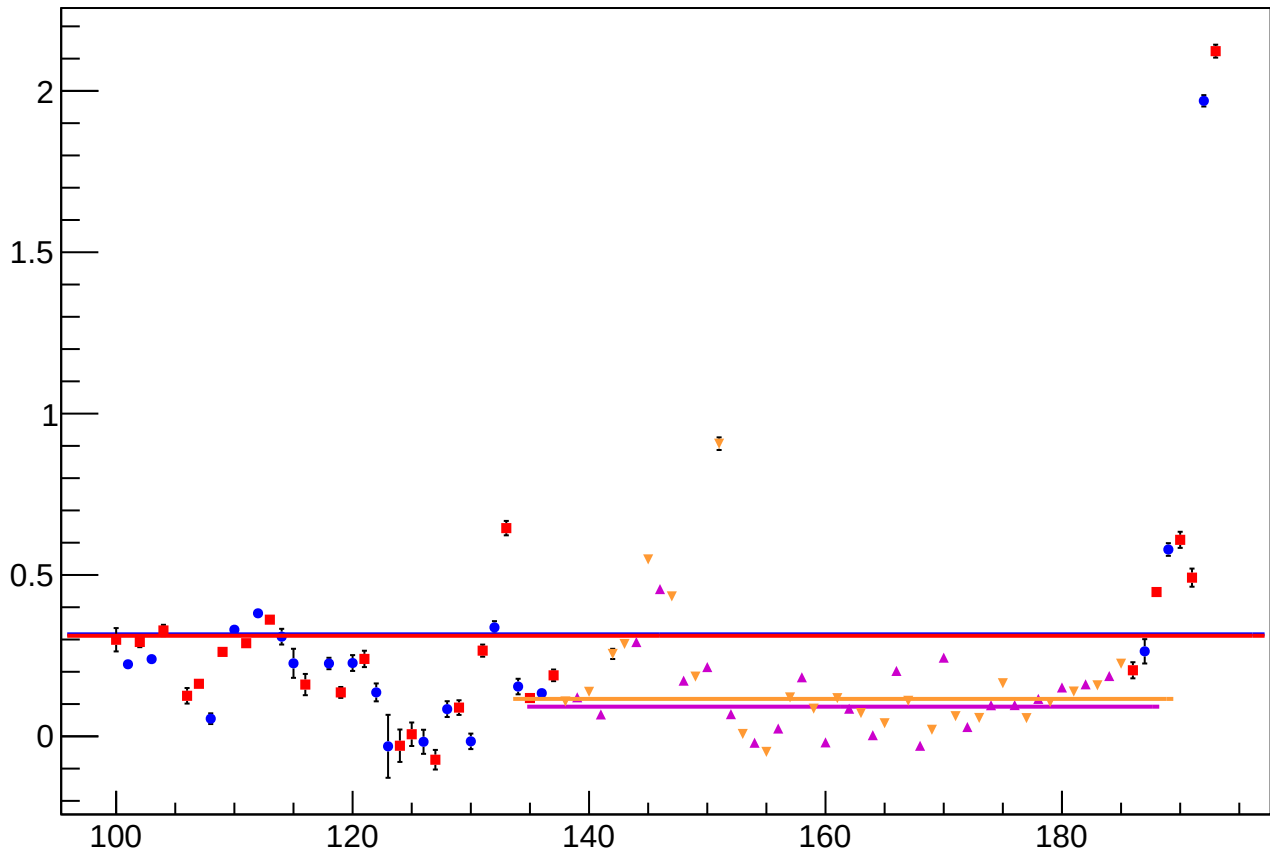
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.342 ± 0.033 χ^2/NDF : 11286.1/44

All: -1.210 ± 0.022 χ^2/NDF : 21945.4/91

- sign -1.094 ± 0.031 χ^2/NDF : 10629.0/46

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.316 $\pm$ 0.004 χ^2 /NDF: 10264.8/19

Left Out: 0.116 $\pm$ 0.002 χ^2 /NDF: 4463.0/24

Right Out: 0.312 $\pm$ 0.004 χ^2 /NDF: 9970.5/23

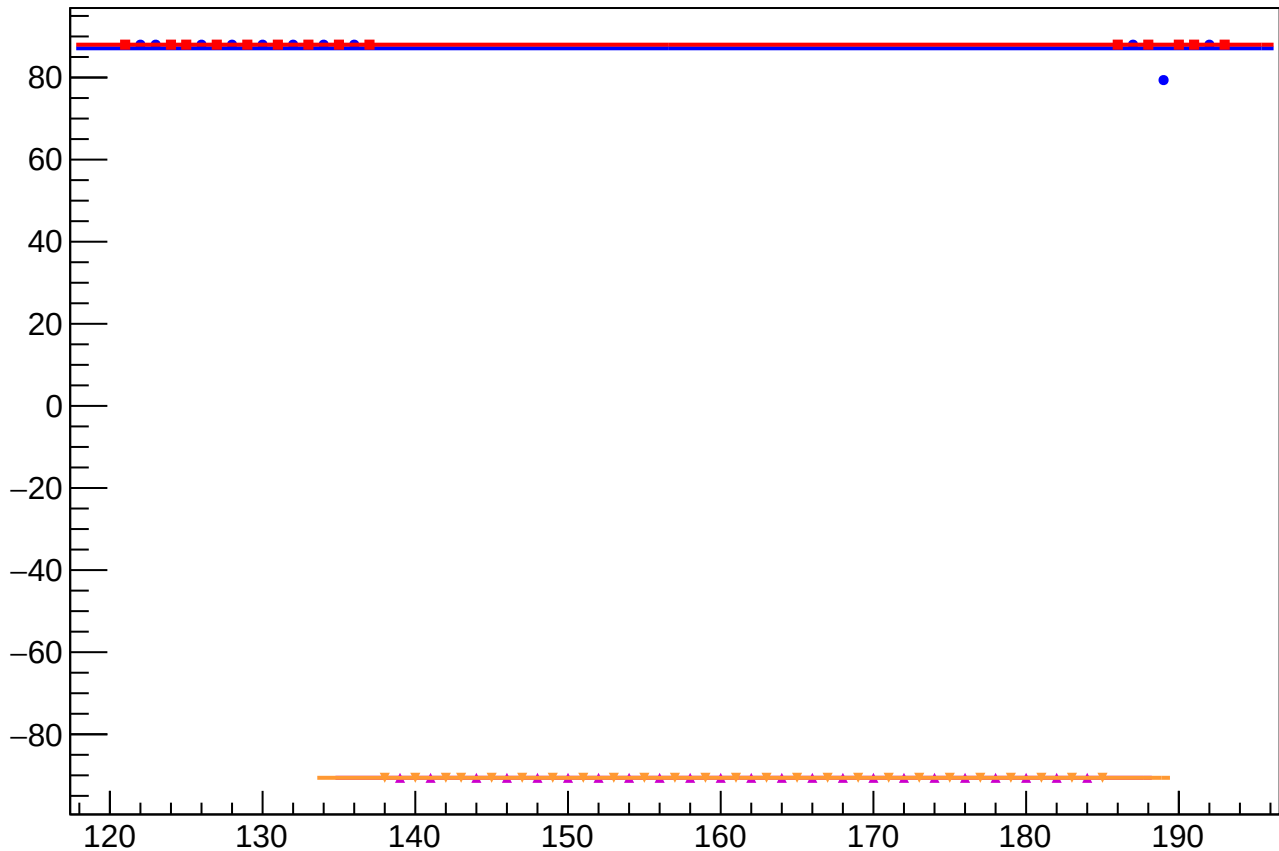
Left In: 0.092 $\pm$ 0.002 χ^2 /NDF: 3631.4/22

+ sign 0.144 $\pm$ 0.002 χ^2 /NDF: 16821.8/44

All: 0.136 $\pm$ 0.001 χ^2 /NDF: 33769.4/91

- sign 0.128 $\pm$ 0.001 χ^2 /NDF: 16884.0/46

VWienAngle_mean vs Slug



Right In: 87.117+/-0.000 χ^2/NDF : 3407377860925098239133609625649152.0/10

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 277073.2/13

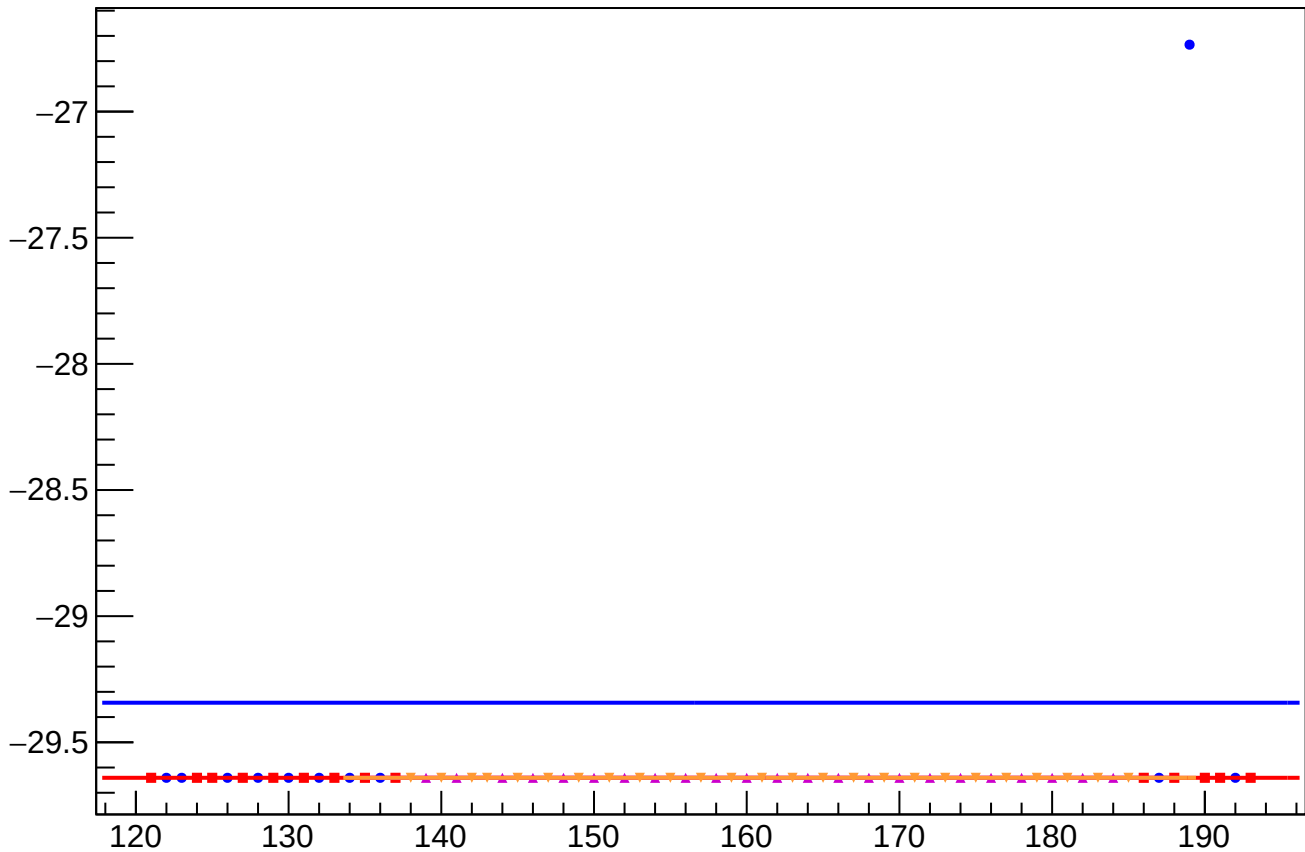
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -53.846+/-0.000 χ^2/NDF : 124790098895767

All: -50.399+/-0.000 χ^2/NDF : 266588310455

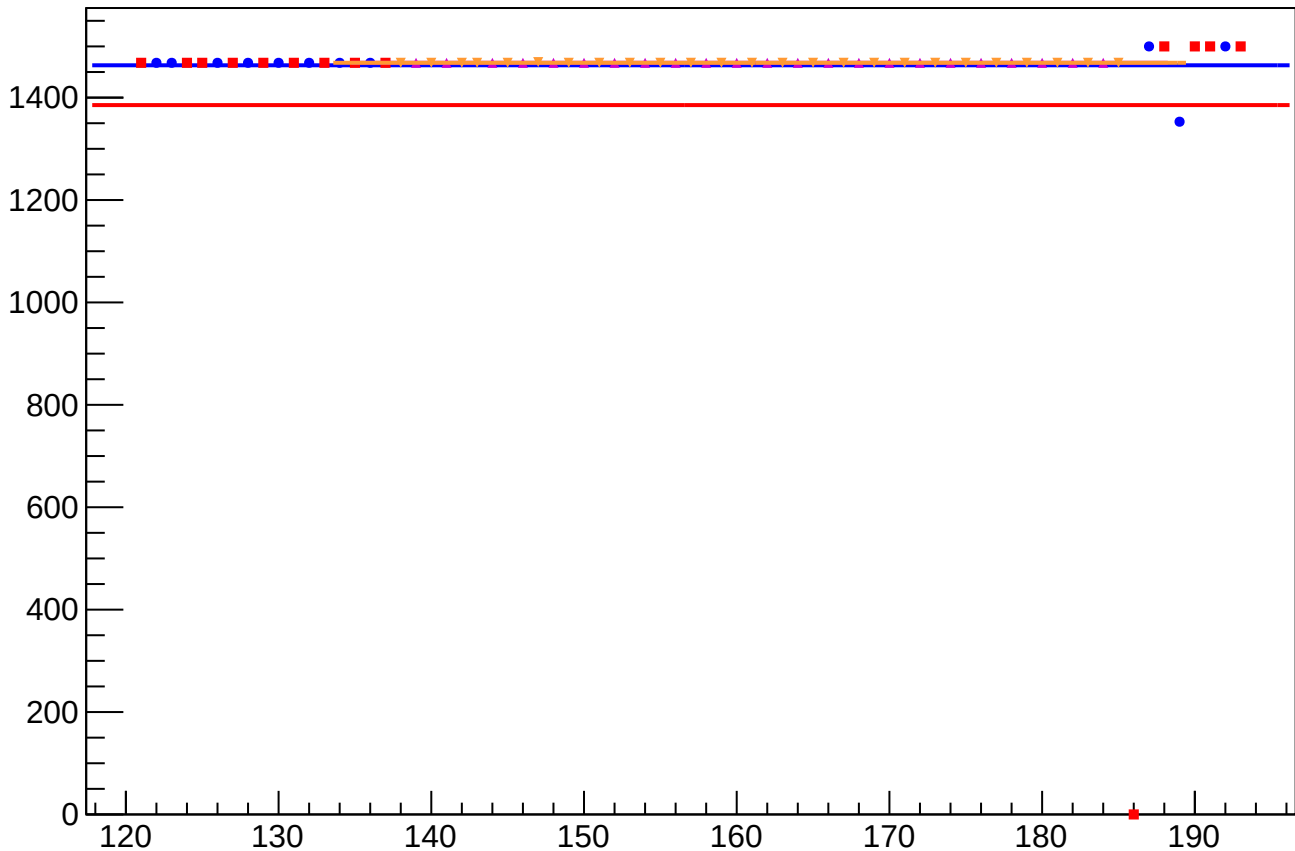
- sign -46.937+/-0.000 χ^2/NDF : 1412247912313724

HWienAngle_mean vs Slug



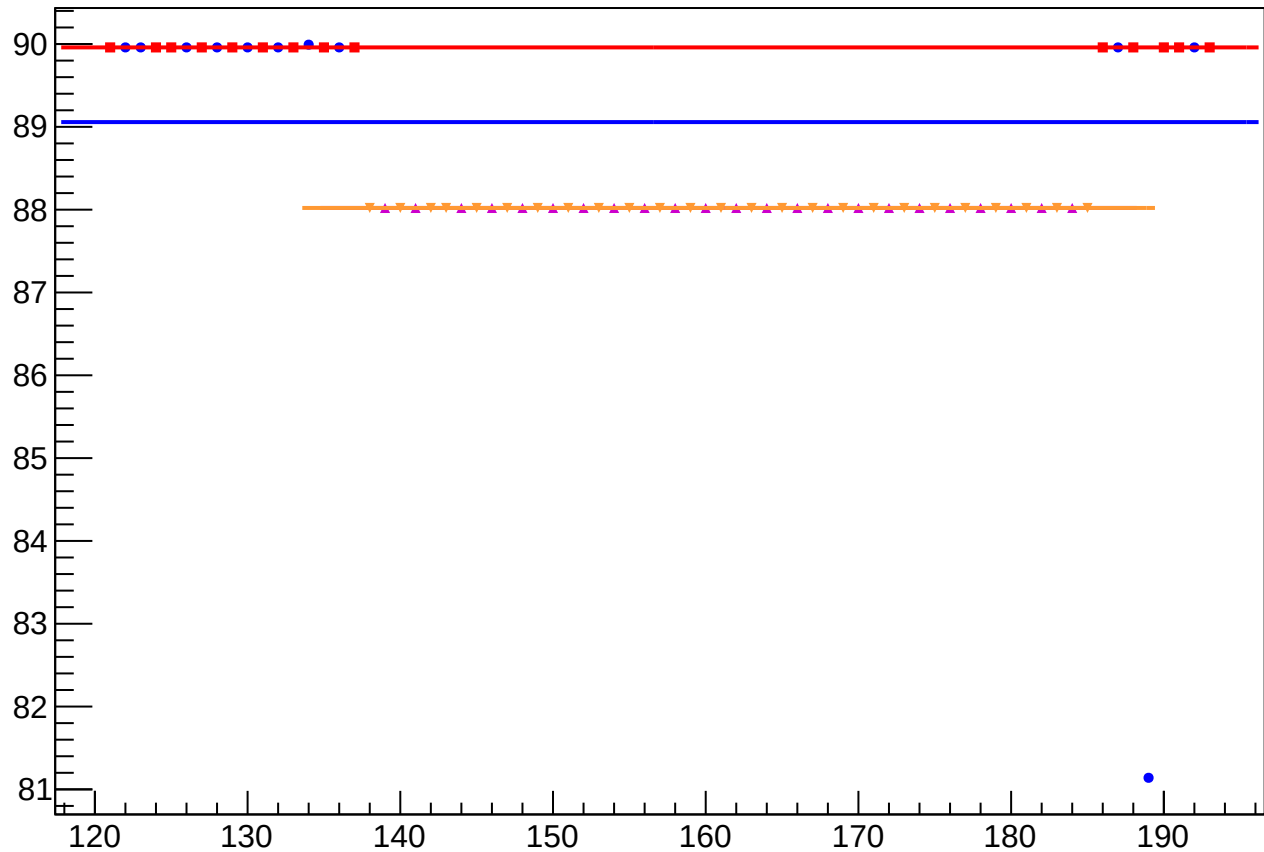
Right In: -29.343+/-0.000 χ^2/NDF : 386567212910206065529992226275328.0/10
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.579+/-0.000 χ^2/NDF : 421550817347292
Right Out: -29.641+/-0.000 χ^2/NDF : 575186.9/13 All: -29.610+/-0.000 χ^2/NDF : 426101066435
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2146648.3/36

psub_pl_pos_mean vs Slug



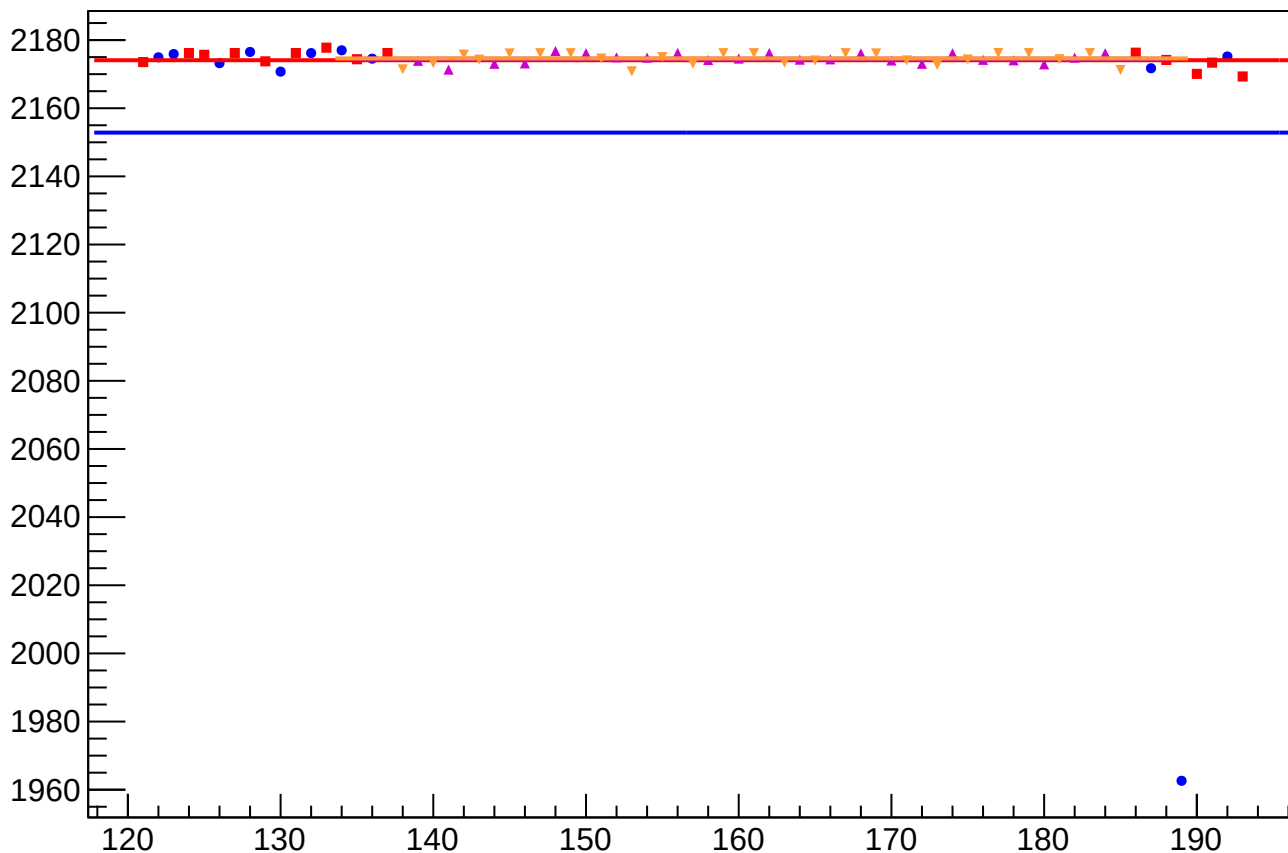
Right In: 1463.143 $\pm$ 0.000 χ^2 /NDF: 774005490050963320366919457896923136.0/10
 Left Out: 1468.048 $\pm$ 0.000 χ^2 /NDF: 127960980922965975039069502046208.0/24
 Right Out: 1385.409 $\pm$ 0.000 χ^2 /NDF: 78129200986715192907296921898492887040.0/13
 Left In: 1467.994 $\pm$ 0.000 χ^2 /NDF: 145848702340275035310993178624.0/22

Phi_FG_mean vs Slug



Right In: 89.057+/-0.000	χ^2/NDF : 3562014479714373488729666216787968.0/10	+ sign 88.235+/-0.000	χ^2/NDF : 3986615256195899
Left Out: 88.021+/-0.000	χ^2/NDF : 5326388.8/24	All: 88.365+/-0.000	χ^2/NDF : 5731395266791
Right Out: 89.959+/-0.000	χ^2/NDF : 1847625.8/13	- sign 88.495+/-0.000	χ^2/NDF : 1663878648630890
Left In: 88.021+/-0.000	χ^2/NDF : 6084099.2/22		

HALLA_p_mean vs Slug



Right In: 2152.846 $\pm$ 0.000 χ^2 /NDF: 2057593828519138986623970285734330368.0/10

Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 51105781354760931110874911595823104.0/24

Right Out: 2174.088 $\pm$ 0.000 χ^2 /NDF: 3663295044797625403275084405145600.0/13

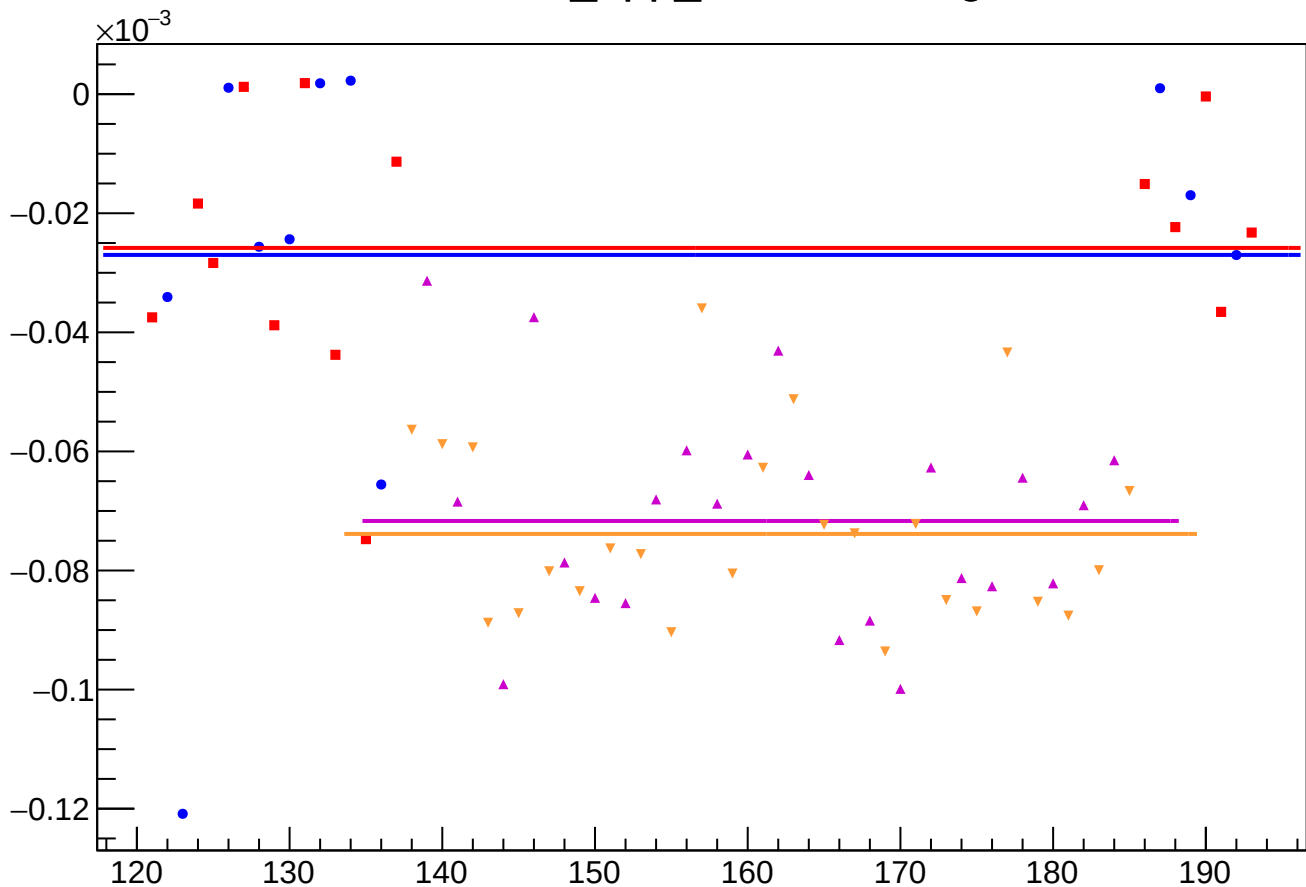
Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22

+ sign 2170.118 $\pm$ 0.000 χ^2 /NDF: 22500214481079

All: 2172.269 $\pm$ 0.000 χ^2 /NDF: 22794932303

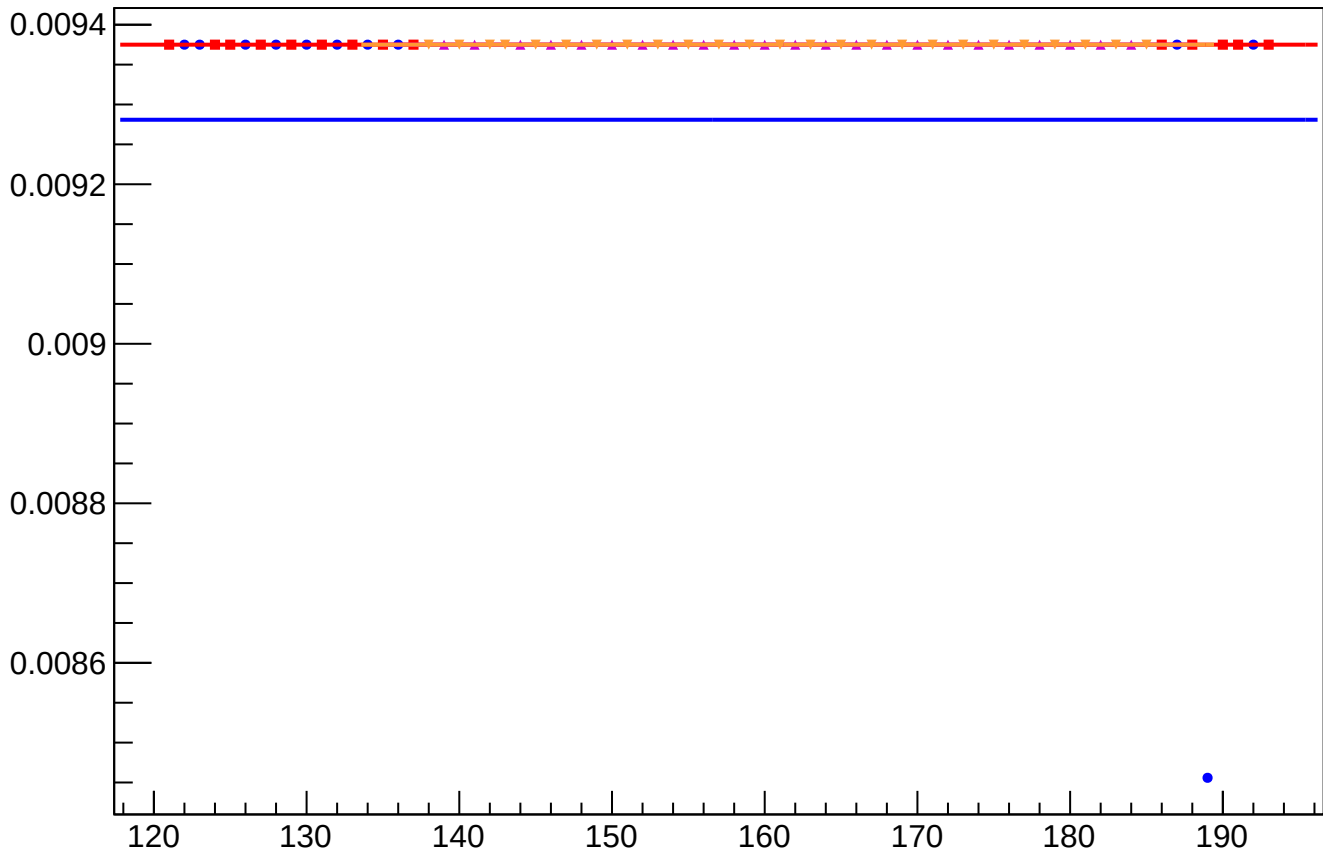
- sign 2174.429 $\pm$ 0.000 χ^2 /NDF: 71540672035047

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 269004355878513398513664.0/10	+ sign -0.000+/-0.000	χ^2/NDF : 1586760012946141
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 3332914550806
Right Out: -0.000+/-0.000	χ^2/NDF : 236403391875454473338880.0/13	- sign -0.000+/-0.000	χ^2/NDF : 17297296746887422
Left In: -0.000+/-0.000	χ^2/NDF : 562166279020739416817664.0/22		

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 38671459736002300922036224.0/10

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/13

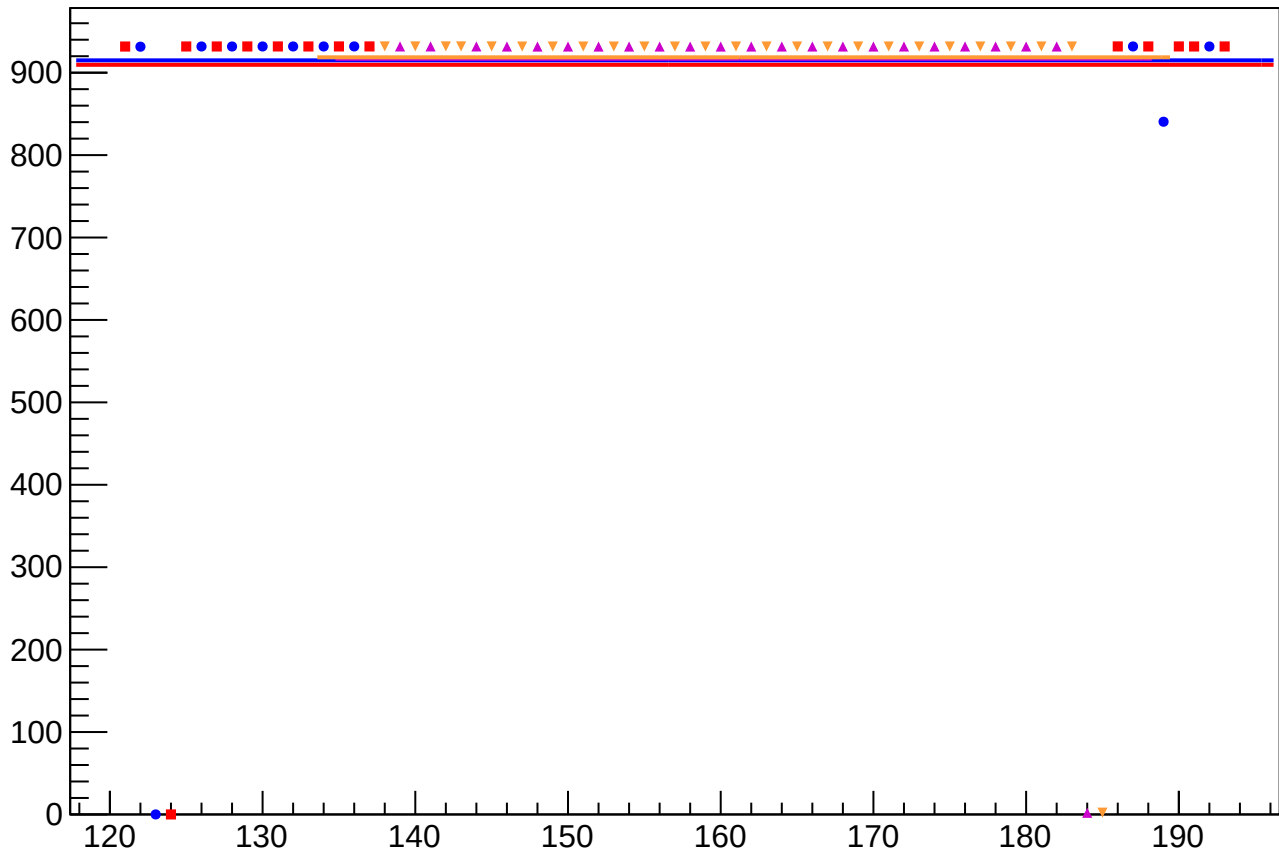
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42171153981213414

All: 0.009+/-0.000 χ^2/NDF : 42626352374975

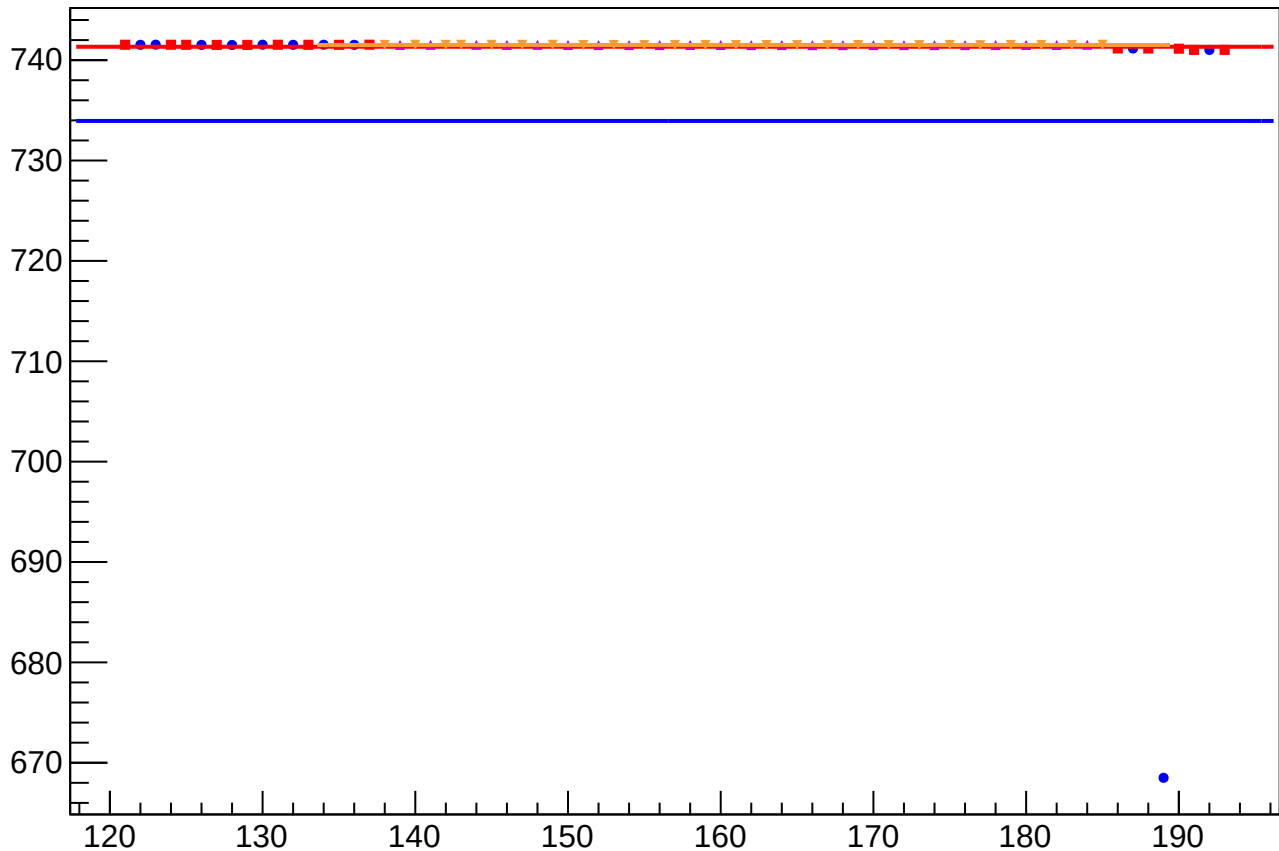
- sign 0.009+/-0.000 χ^2/NDF : 0.2/36

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 914.963+/-0.000 χ^2/NDF : 3756791630081143838506826258861522944.0/10
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 909.564+/-0.000 χ^2/NDF : 11864935843156644994189785938358435840.0/13
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 916.494+/-0.000 χ^2/NDF : 633315533292
 + sign 917.883+/-0.000 χ^2/NDF : 267656455422490
 - sign 915.099+/-0.000 χ^2/NDF : 365565941459026

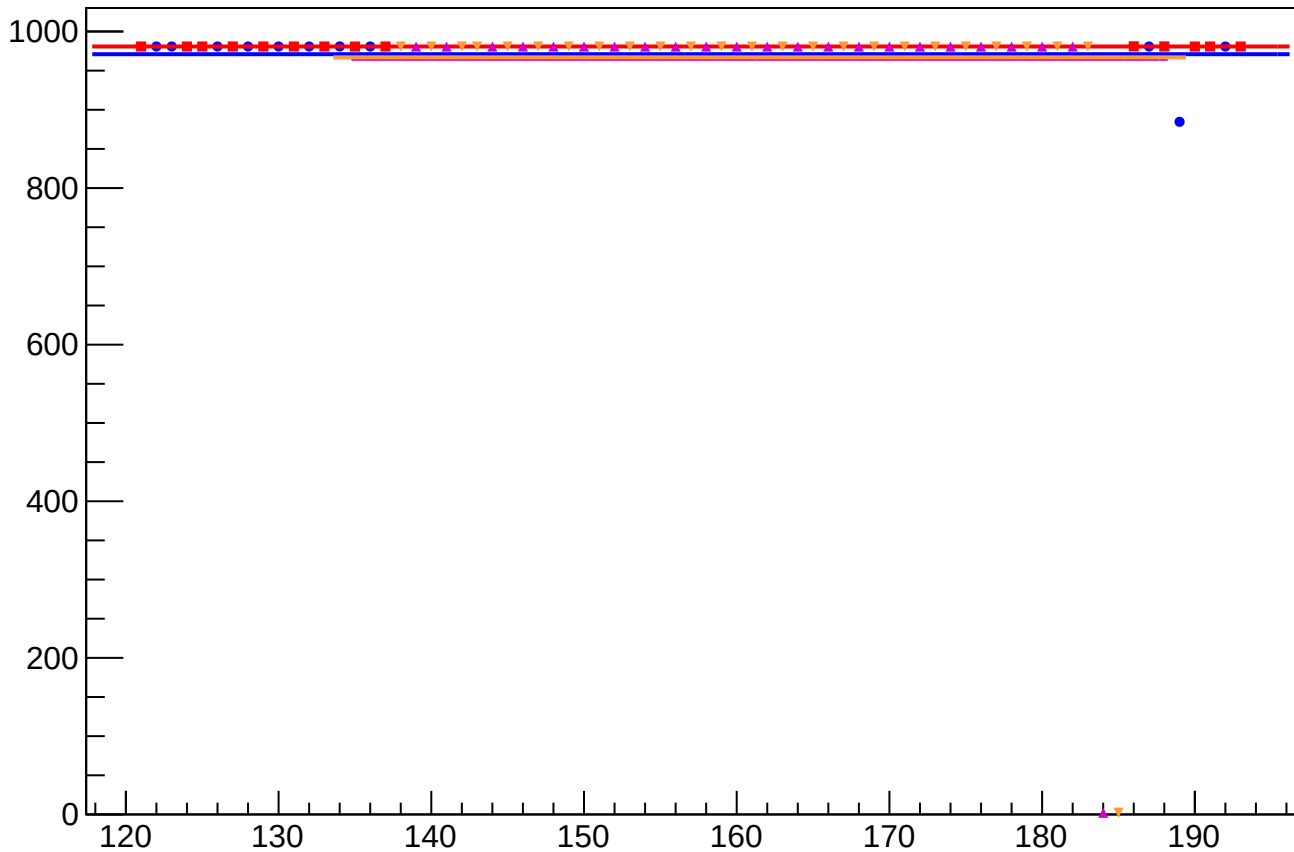
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 733.944+/-0.000	χ^2/NDF : 243367117013055334110279787136155648.0/10
Left Out: 741.513+/-0.000	χ^2/NDF : 244782737401533731539808944128.0/24
Right Out: 741.336+/-0.000	χ^2/NDF : 26754261344059505413894260654080.0/13
Left In: 741.512+/-0.000	χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 739.948+/-0.000 χ^2/NDF : 265994572494973
 All: 740.707+/-0.000 χ^2/NDF : 268816436374
 - sign 741.469+/-0.000 χ^2/NDF : 407248357399422

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 970.968 $\pm$ 0.000 χ^2 /NDF: 423444567912434199331361627679227904.0/10

Left Out: 966.936 $\pm$ 0.000 χ^2 /NDF: 25485578616543458629432284645183979520.0/24

Right Out: 980.837 $\pm$ 0.000 χ^2 /NDF: 2175586177642039985104677240832.0/13

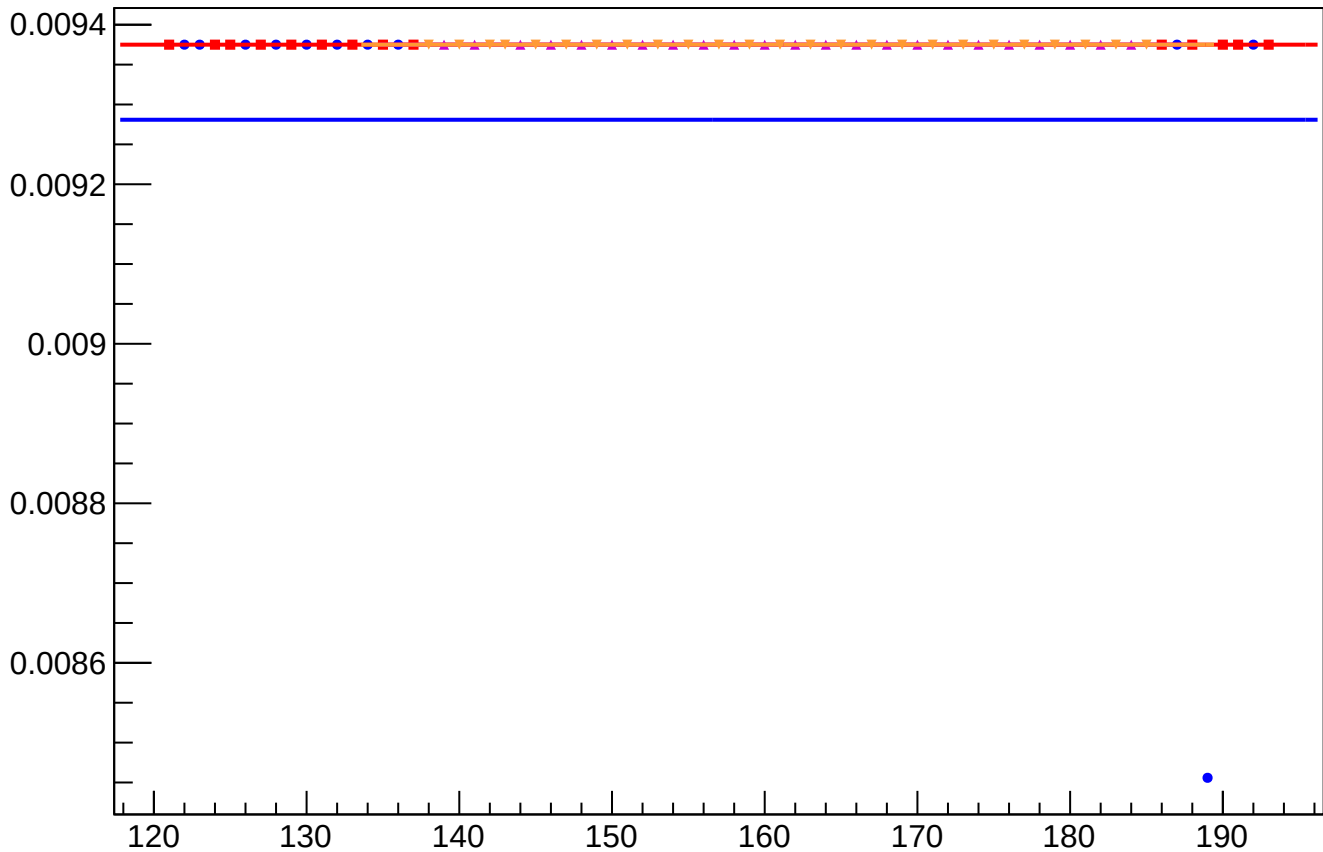
Left In: 965.102 $\pm$ 0.000 χ^2 /NDF: 27330319430012441419356351914146004992.0/22

+ sign 967.770 $\pm$ 0.000 χ^2 /NDF: 259154452560732

All: 968.358 $\pm$ 0.000 χ^2 /NDF: 53357051508

- sign 968.949 $\pm$ 0.000 χ^2 /NDF: 274399365934544

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 38671459736002300922036224.0/10

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/13

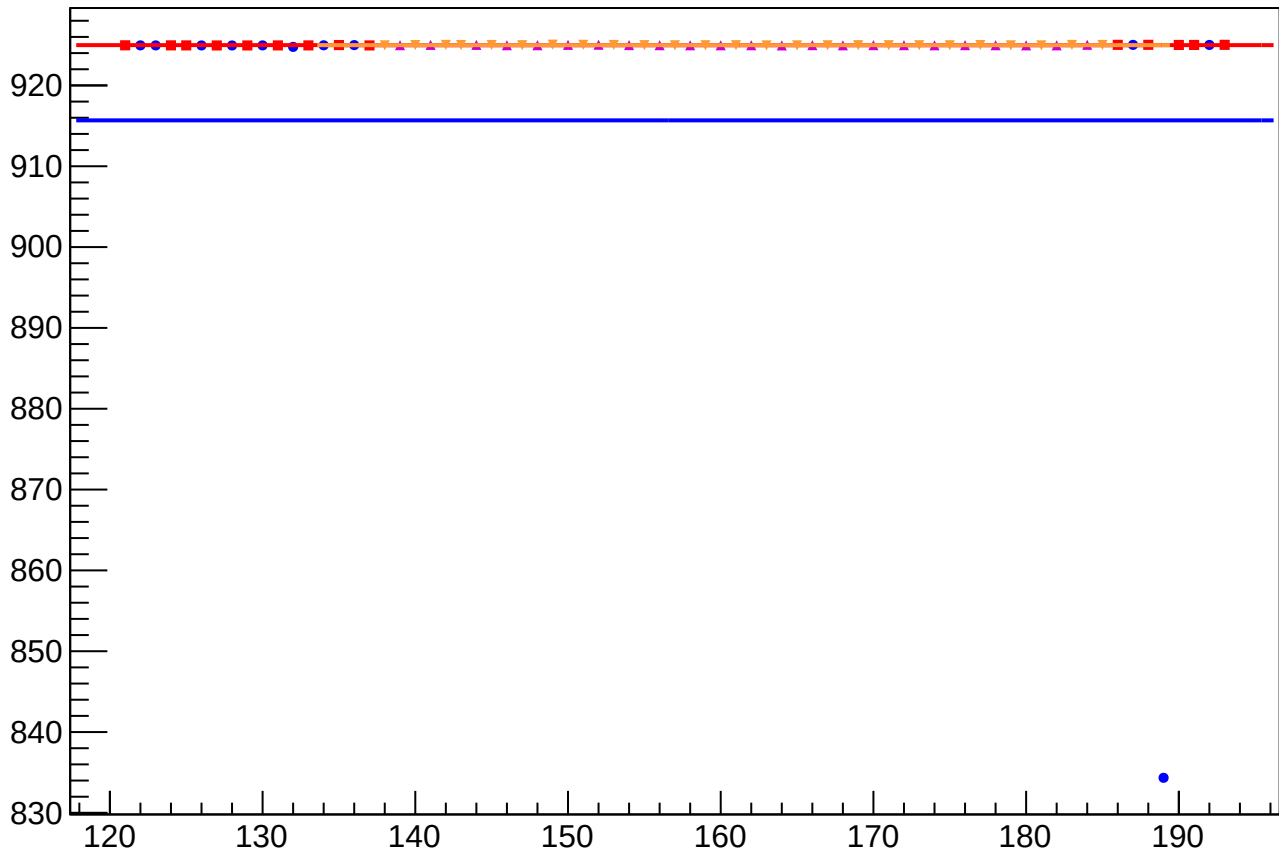
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42171153981213414

All: 0.009+/-0.000 χ^2/NDF : 42626352374975

- sign 0.009+/-0.000 χ^2/NDF : 0.2/36

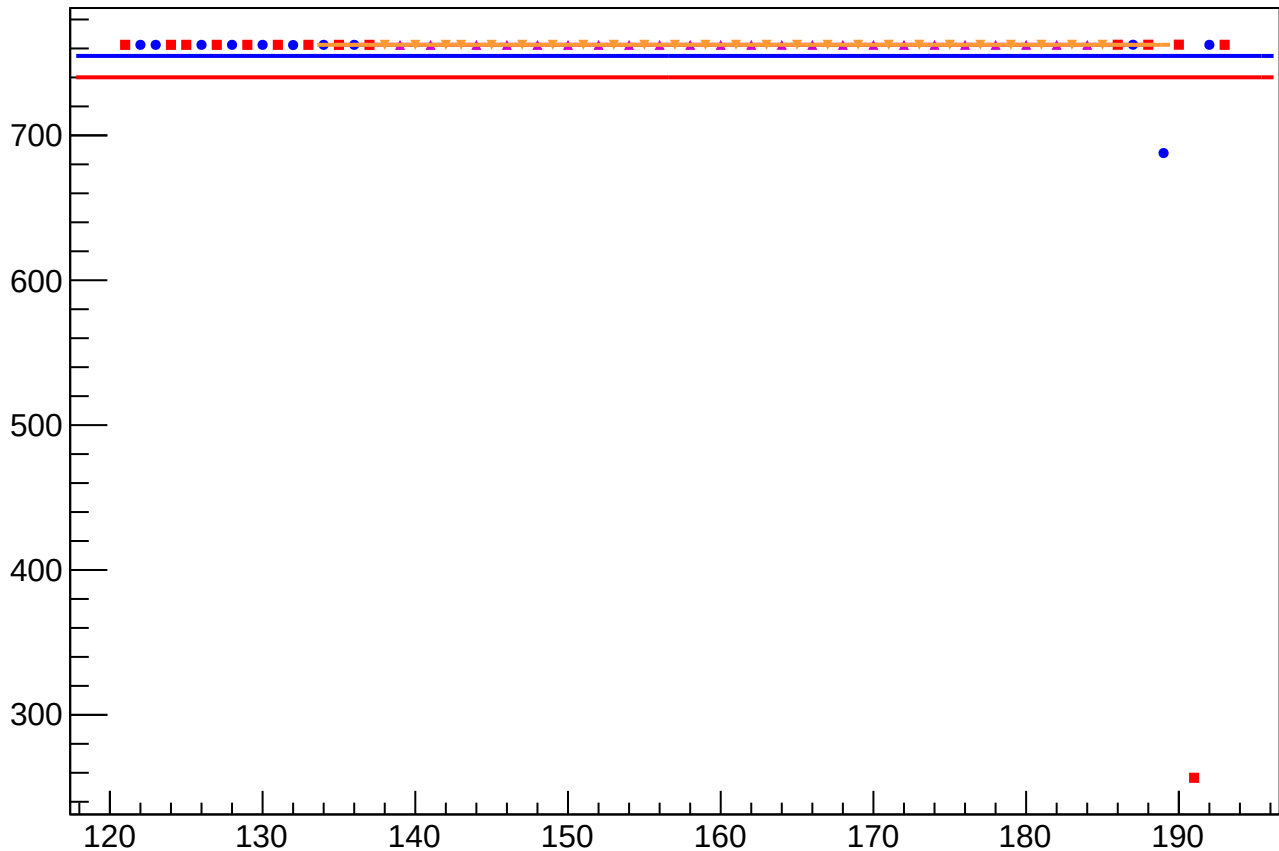
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 915.676 $\pm$ 0.000 χ^2 /NDF: 375884890430723301501999086619852800.0/10
Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
Right Out: 924.985 $\pm$ 0.000 χ^2 /NDF: 624315463497637478698911268864.0/13
Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22

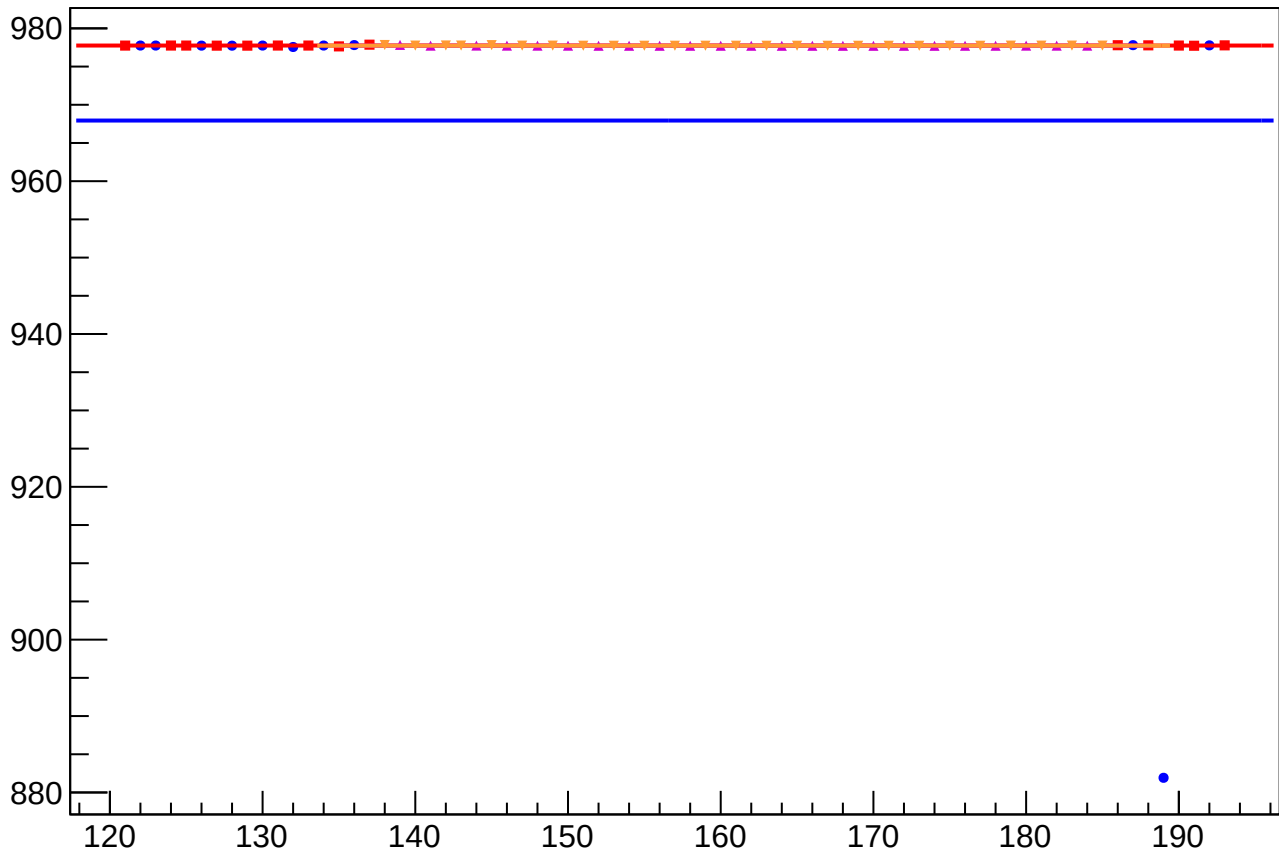
+ sign 923.058 $\pm$ 0.000 χ^2 /NDF: 410096042483359
All: 924.019 $\pm$ 0.000 χ^2 /NDF: 41455117715
- sign 924.983 $\pm$ 0.000 χ^2 /NDF: 151522414968546

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 754.848+/-0.000	χ^2/NDF : 255335025612225496360523797039677440.0/10	+ sign 760.932+/-0.000	χ^2/NDF : 278577823544570
Left Out: 762.518+/-0.000	χ^2/NDF : 731741258759628909874415403008.0/24	All: 758.987+/-0.000	χ^2/NDF : 688079890849
Right Out: 740.080+/-0.000	χ^2/NDF : 6361038039679573254761466845456236544.0/13	- sign 757.033+/-0.000	χ^2/NDF : 658396304781582
Left In: 762.519+/-0.000	χ^2/NDF : 629058355419214408155297480704.0/22		

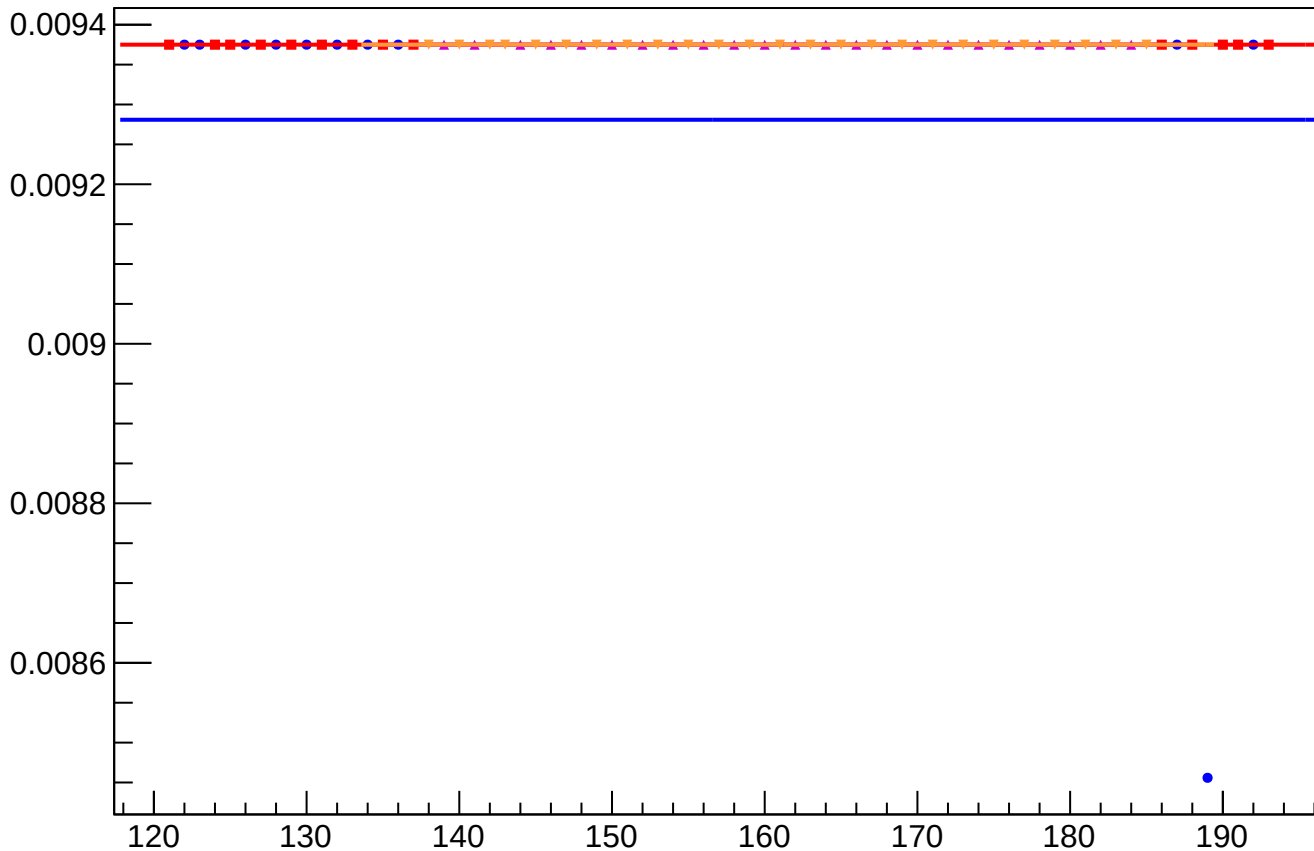
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 967.936 ± 0.000 $\chi^2/\text{NDF}: 420393013582034299669496529428676608.0/10$
 Left Out: 977.738 ± 0.000 $\chi^2/\text{NDF}: 1154150409979077132991401558016.0/24$
 Right Out: 977.753 ± 0.000 $\chi^2/\text{NDF}: 1041825189461183048821596225536.0/13$
 Left In: 977.735 ± 0.000 $\chi^2/\text{NDF}: 976503887937607318263199432704.0/22$

+ sign 975.711 ± 0.000 $\chi^2/\text{NDF}: 458342955142409$
 All: 976.723 ± 0.000 $\chi^2/\text{NDF}: 46328808975$
 - sign 977.739 ± 0.000 $\chi^2/\text{NDF}: 215761534884399$

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 38671459736002300922036224.0/10

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/13

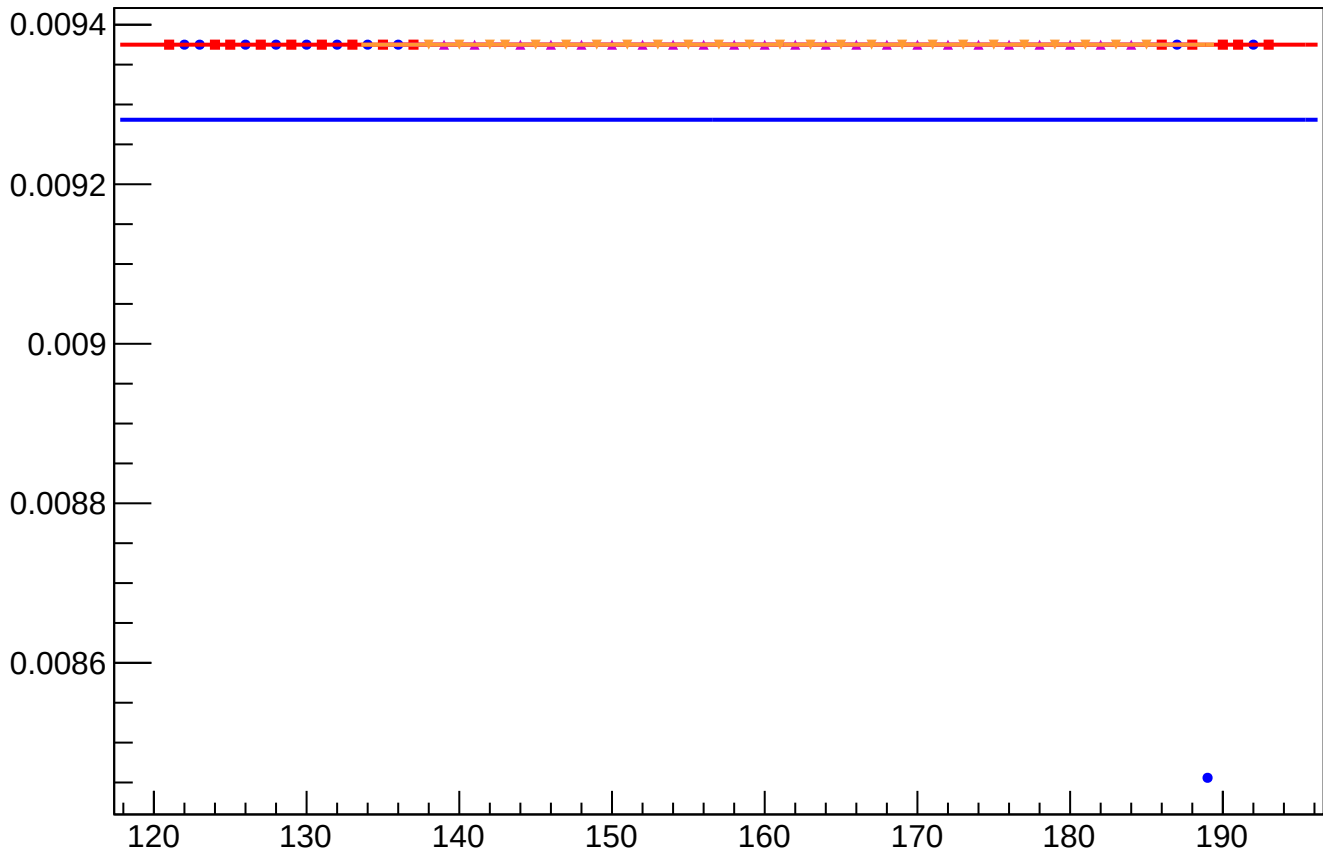
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42171153981213414

All: 0.009+/-0.000 χ^2/NDF : 42626352374975

- sign 0.009+/-0.000 χ^2/NDF : 0.2/36

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 38671459736002300922036224.0/10

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/13

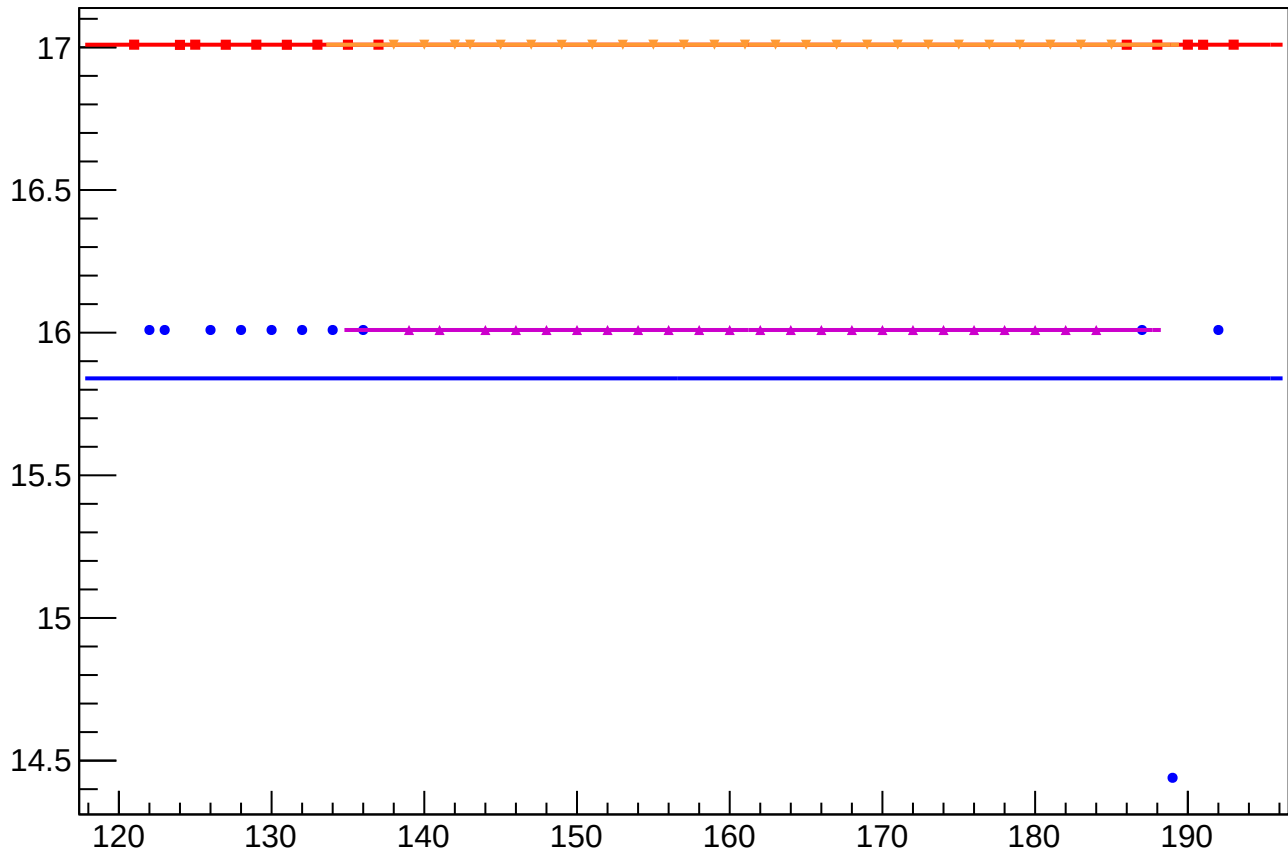
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42171153981213414

All: 0.009+/-0.000 χ^2/NDF : 42626352374975

- sign 0.009+/-0.000 χ^2/NDF : 0.2/36

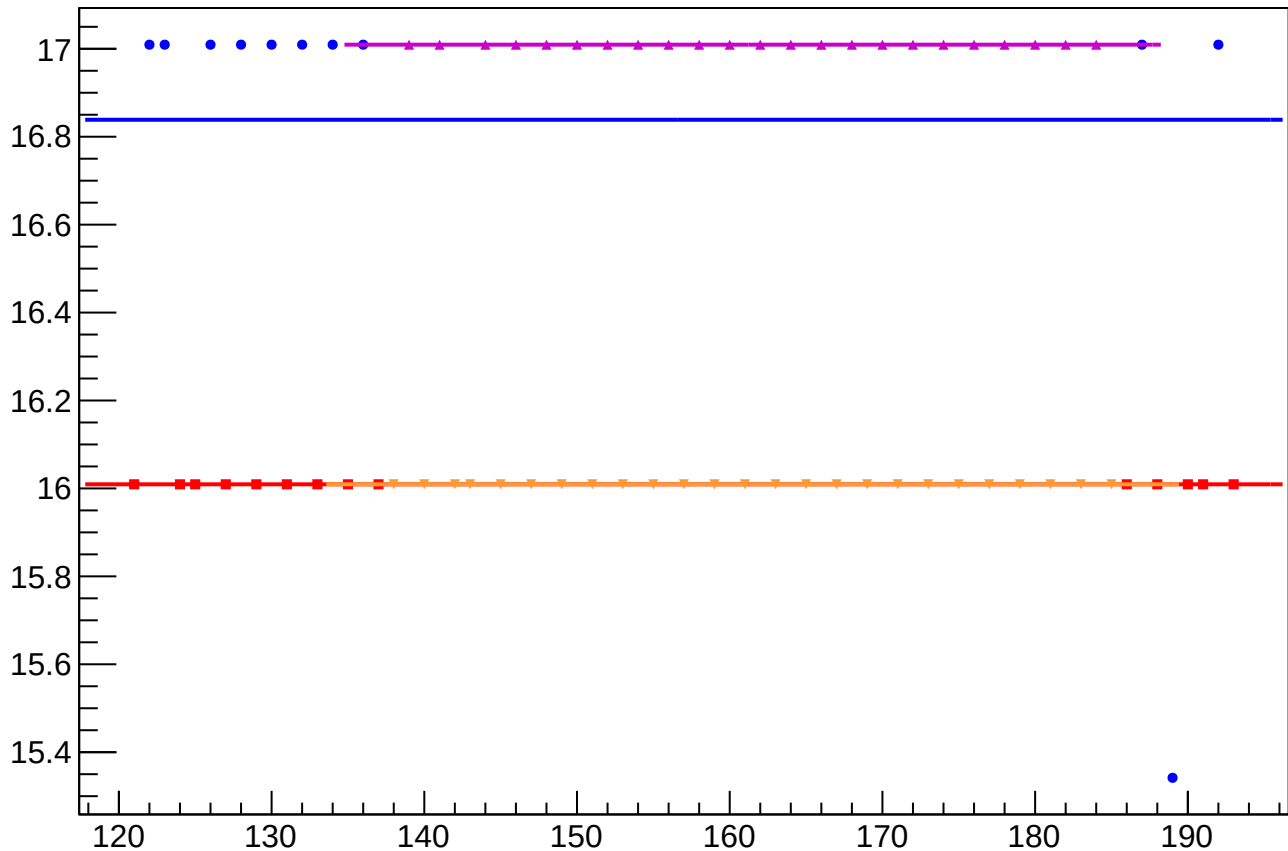
IGL1I00DI24_24M_mean vs Slug



Right In: 15.840 $\pm$ 0.000 χ^2 /NDF: 112062081465969324770608831004672.0/10
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12201155437601024972423168.0/13
 Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

+ sign 16.764 $\pm$ 0.000 χ^2 /NDF: 6220080389433103
 All: 16.513 $\pm$ 0.000 χ^2 /NDF: 1330389343304
 - sign 16.262 $\pm$ 0.000 χ^2 /NDF: 4257098365608396

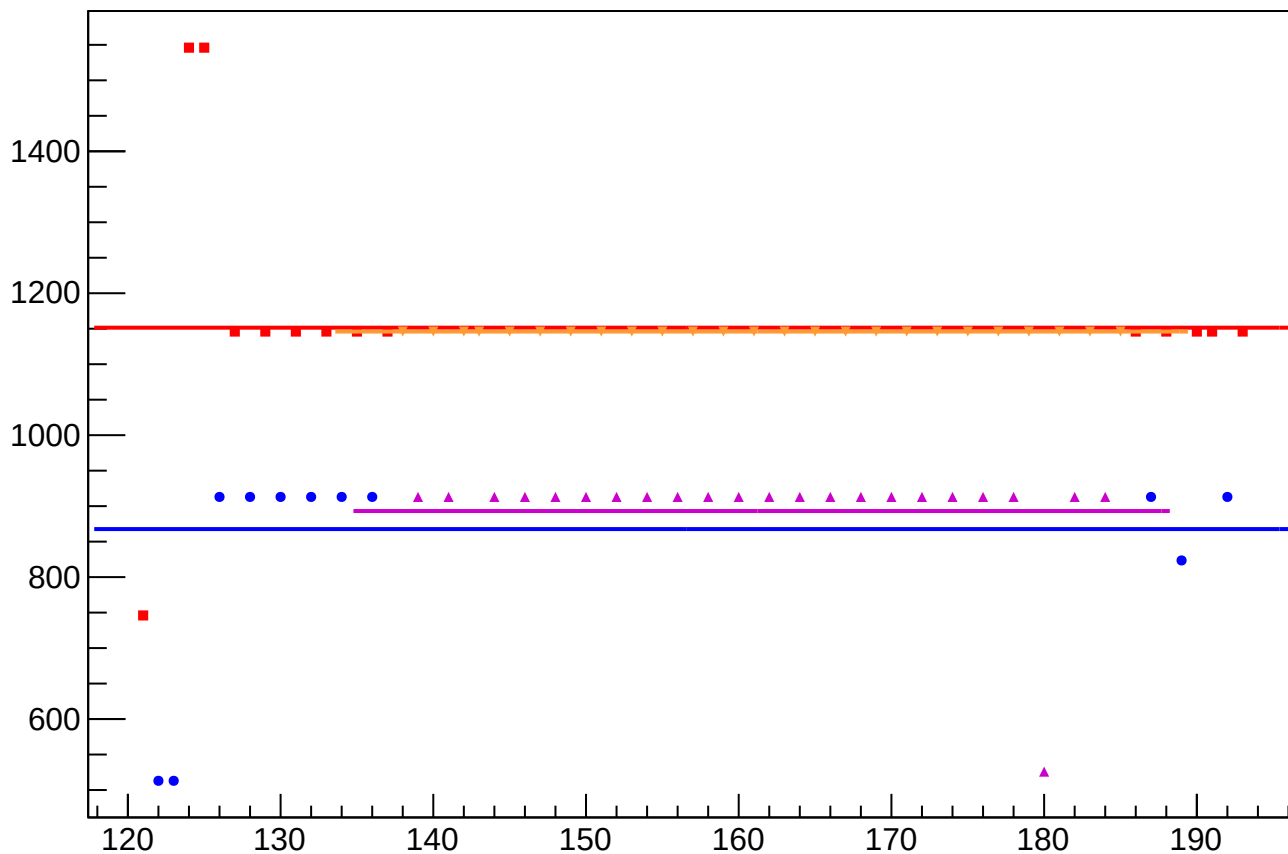
IGL1I00OD16_16_mean vs Slug



Right In: 16.839+/-0.000 χ^2/NDF : 127298921703587428491418606239744.0/10
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009+/-0.000 χ^2/NDF : 144771.8/13
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.183+/-0.000 χ^2/NDF : 3981980505861768
 All: 16.469+/-0.000 χ^2/NDF : 1233226527755
 - sign 16.760+/-0.000 χ^2/NDF : 4399967422507336

RTPAPOSUCNT_mean vs Slug



Right In: 867.682+/-0.000 χ^2/NDF : 6586179989374299032475669534202658816.0/10

+ sign 1088.450+/-0.000 χ^2/NDF : 37186388989059

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

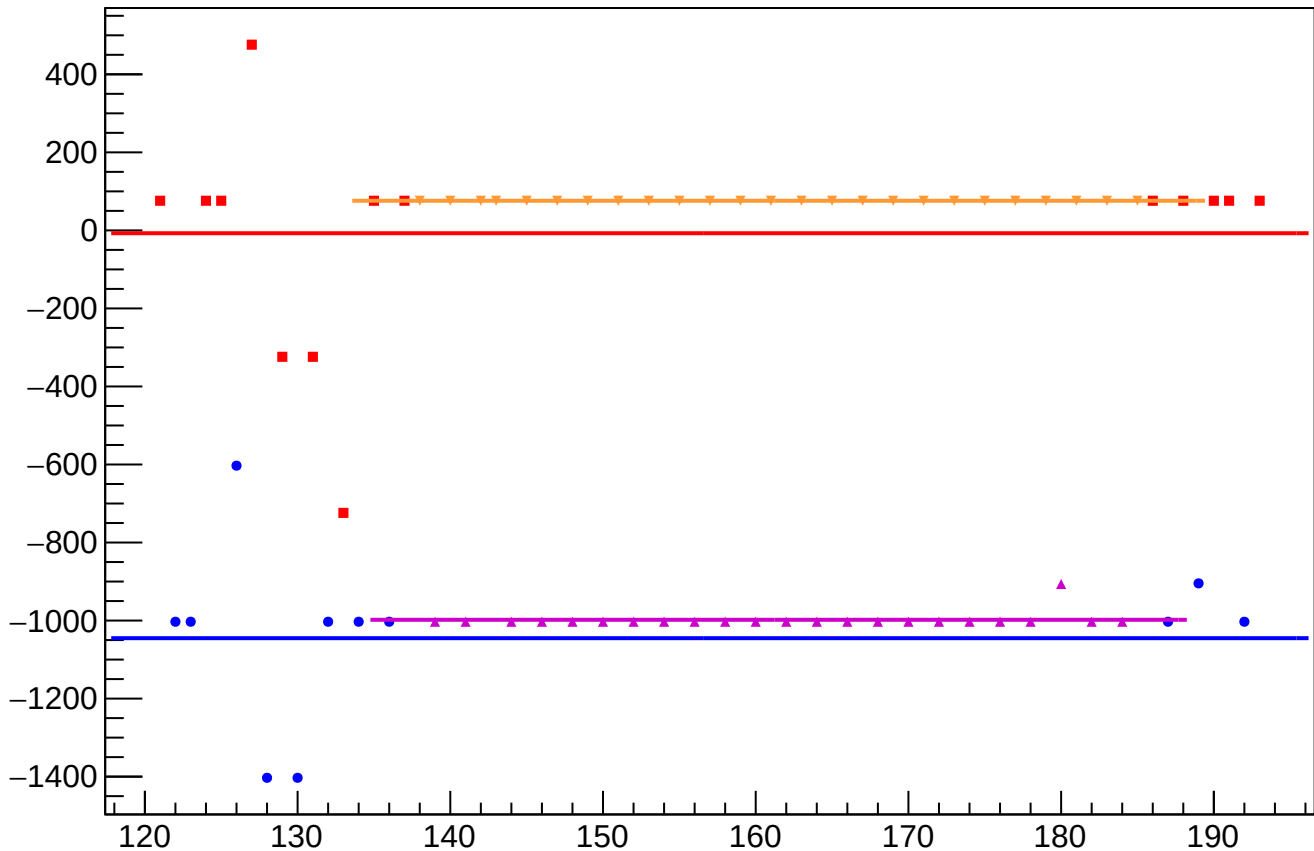
All: 1022.515+/-0.000 χ^2/NDF : 11468631237

Right Out: 1151.471+/-0.000 χ^2/NDF : 13743186868547509899221252961315323904.0/13

- sign 956.277+/-0.000 χ^2/NDF : 565146835167613

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1045.128 ± 0.000 $\chi^2/\text{NDF}: 22808502133777497764487577913993986048.0/10$
 Left Out: 76.011 ± 0.000 $\chi^2/\text{NDF}: 11003263624957134120836661248.0/24$
 Right Out: -7.266 ± 0.000 $\chi^2/\text{NDF}: 42975808960564530684770385299511443456.0/13$
 Left In: -998.020 ± 0.000 $\chi^2/\text{NDF}: 826231736084035689068445378231140352.0/22$