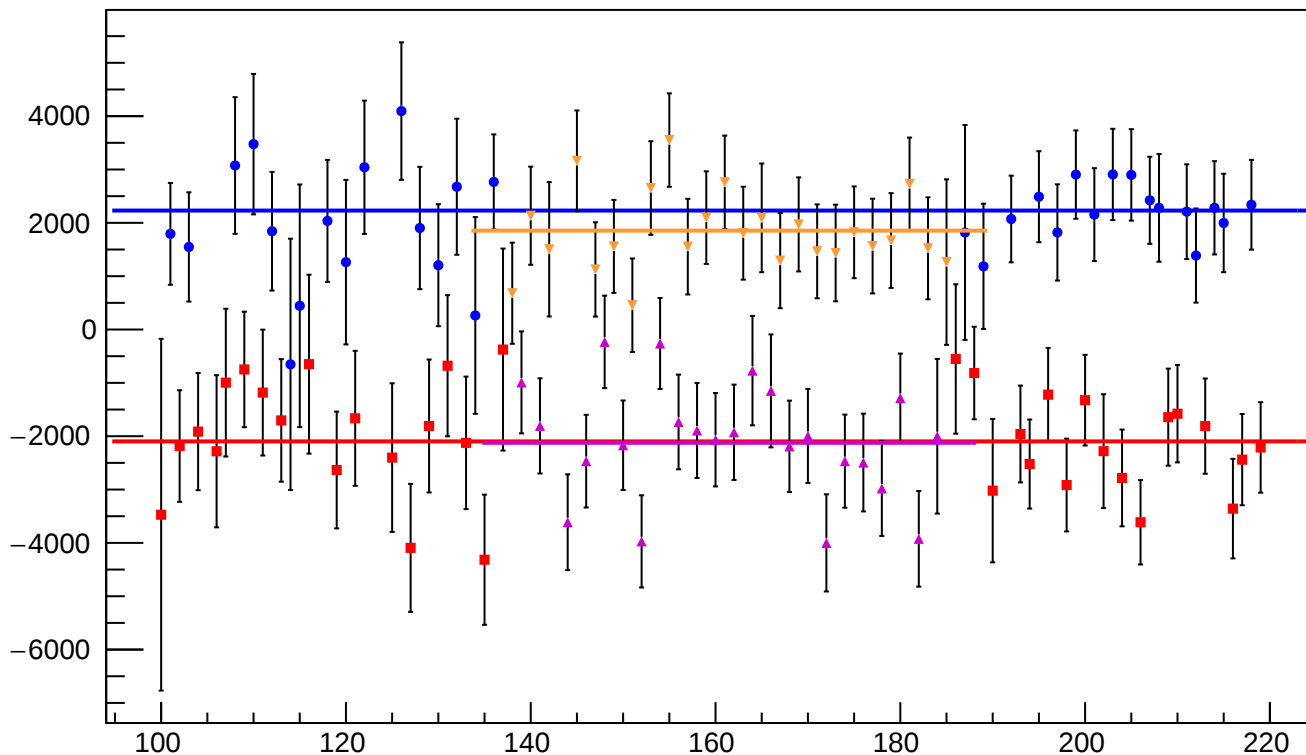


reg_asym_us_avg_mean vs Slug



Right In: 2230.297 $\pm$ 182.378

χ^2/NDF : 13.8/31

Left Out: 1854.267 $\pm$ 187.405

χ^2/NDF : 15.1/23

Right Out: -2097.149 $\pm$ 178.658

χ^2/NDF : 26.2/34

Left In: -2123.138 $\pm$ 188.684

χ^2/NDF : 32.0/22

+ sign 2047.393 $\pm$ 130.702

χ^2/NDF : 31.0/55

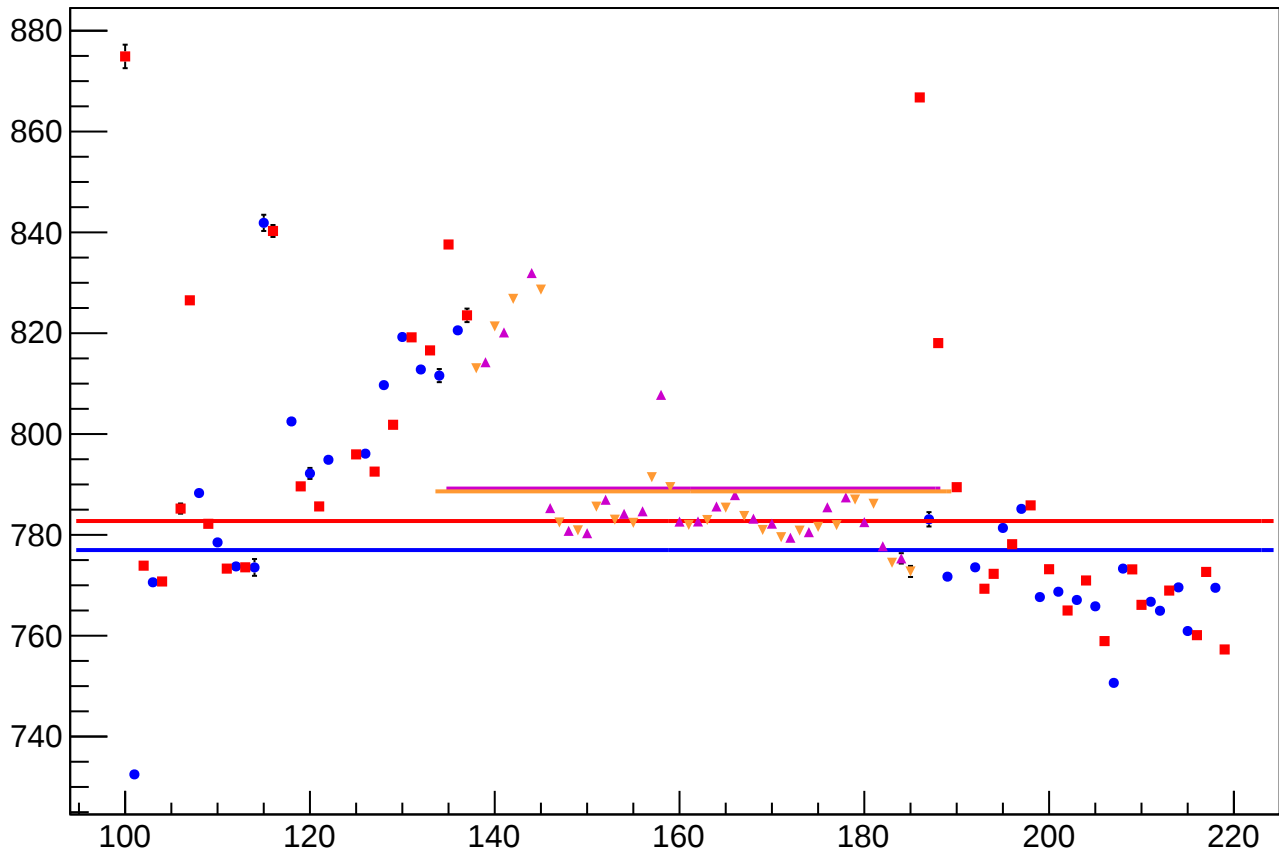
All: -46.538 $\pm$ 92.075

χ^2/NDF : 598.7/113

- sign -2109.435 $\pm$ 129.730

χ^2/NDF : 58.2/57

reg_asym_us_avg_rms vs Slug



Right In: 776.987 $\pm$ 0.129 χ^2 /NDF: 24706.3/31

Left Out: 788.629 $\pm$ 0.133 χ^2 /NDF:11478.1/23

Right Out: 782.747 $\pm$ 0.126 χ^2 /NDF: 34374.8/34

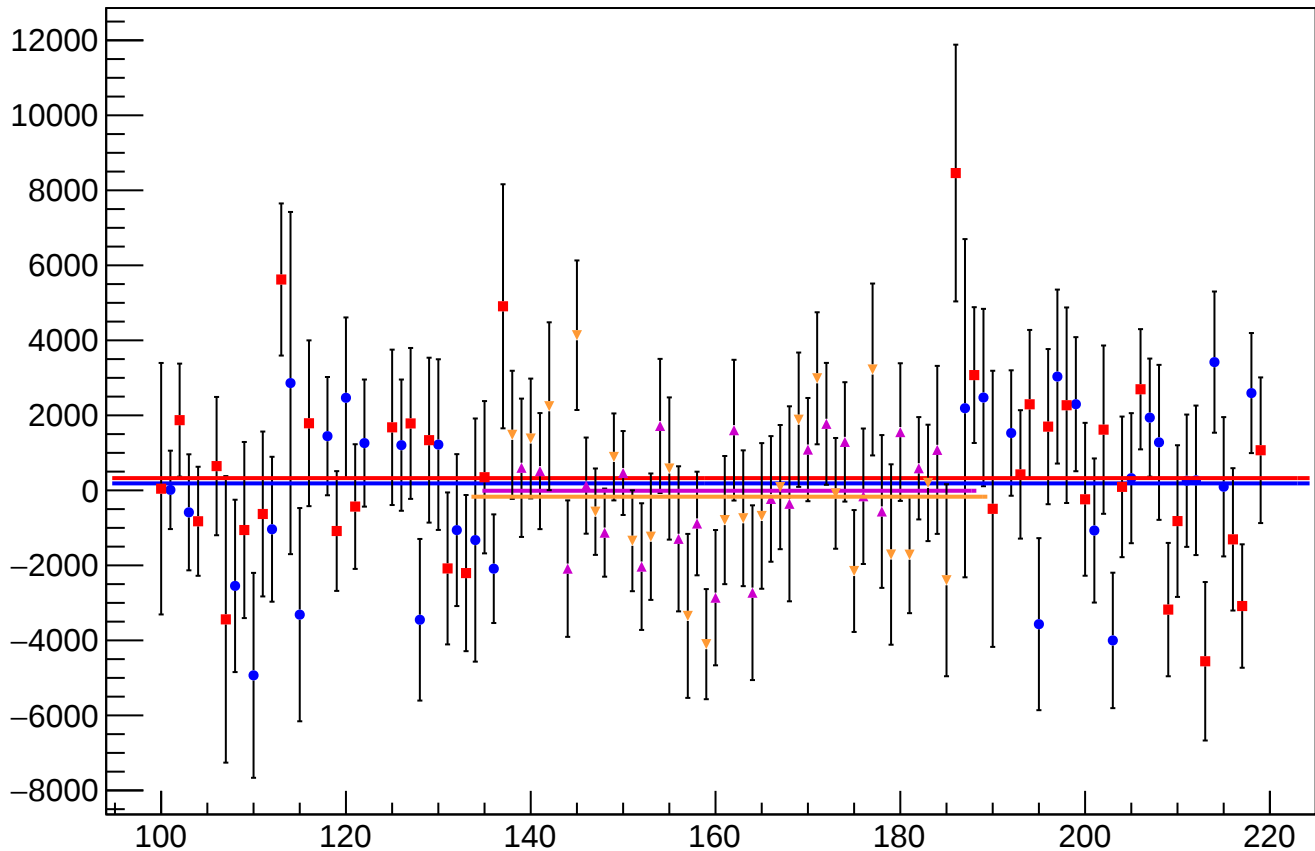
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 782.650 $\pm$ 0.092 χ^2 /NDF: 40148.6/55

All: 784.232 $\pm$ 0.065 χ^2 /NDF: 87675.9/113

- sign 785.790 $\pm$ 0.092 χ^2 /NDF: 46945.7/57

asym_us_avg_correction_mean vs Slug



Right In: 186.023+/-333.824 χ^2/NDF : 36.0/31

Left Out: -169.172+/-340.391 χ^2/NDF : 30.0/23

Right Out: 326.625+/-338.947 χ^2/NDF : 44.8/34

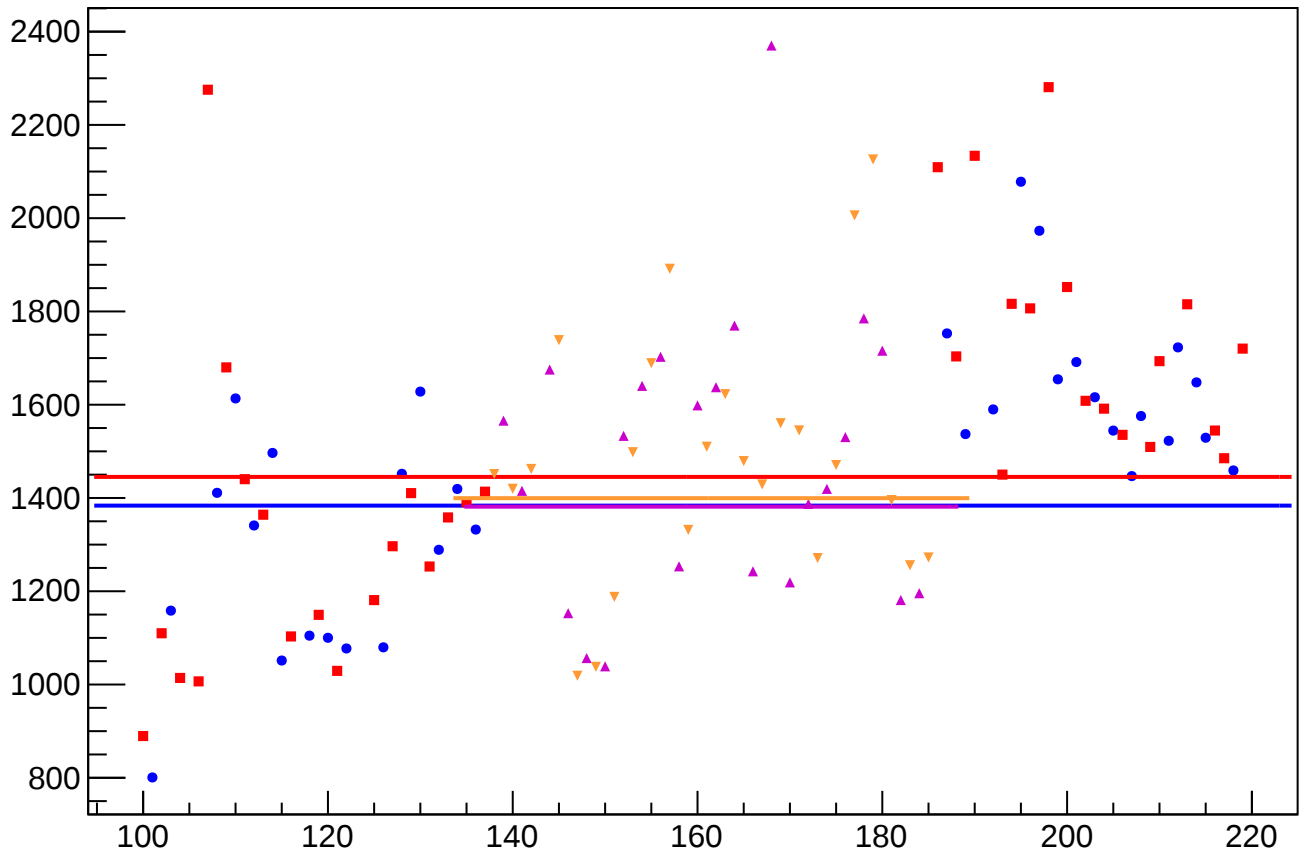
Left In: -10.093+/-337.810 χ^2/NDF : 14.2/22

+ sign 11.885+/-238.337 χ^2/NDF : 66.6/55

All: 84.508+/-168.858 χ^2/NDF : 126.3/113

- sign 157.700+/-239.269 χ^2/NDF : 59.5/57

asym_us_avg_correction_rms vs Slug



Right In: 1383.610 $\pm$ 0.236 χ^2 /NDF: 1623371.4/31

Left Out: 1399.587 $\pm$ 0.241 χ^2 /NDF:1119125.1/23

+ sign 1391.443 $\pm$ 0.169 χ^2 /NDF: 2744742.5/55

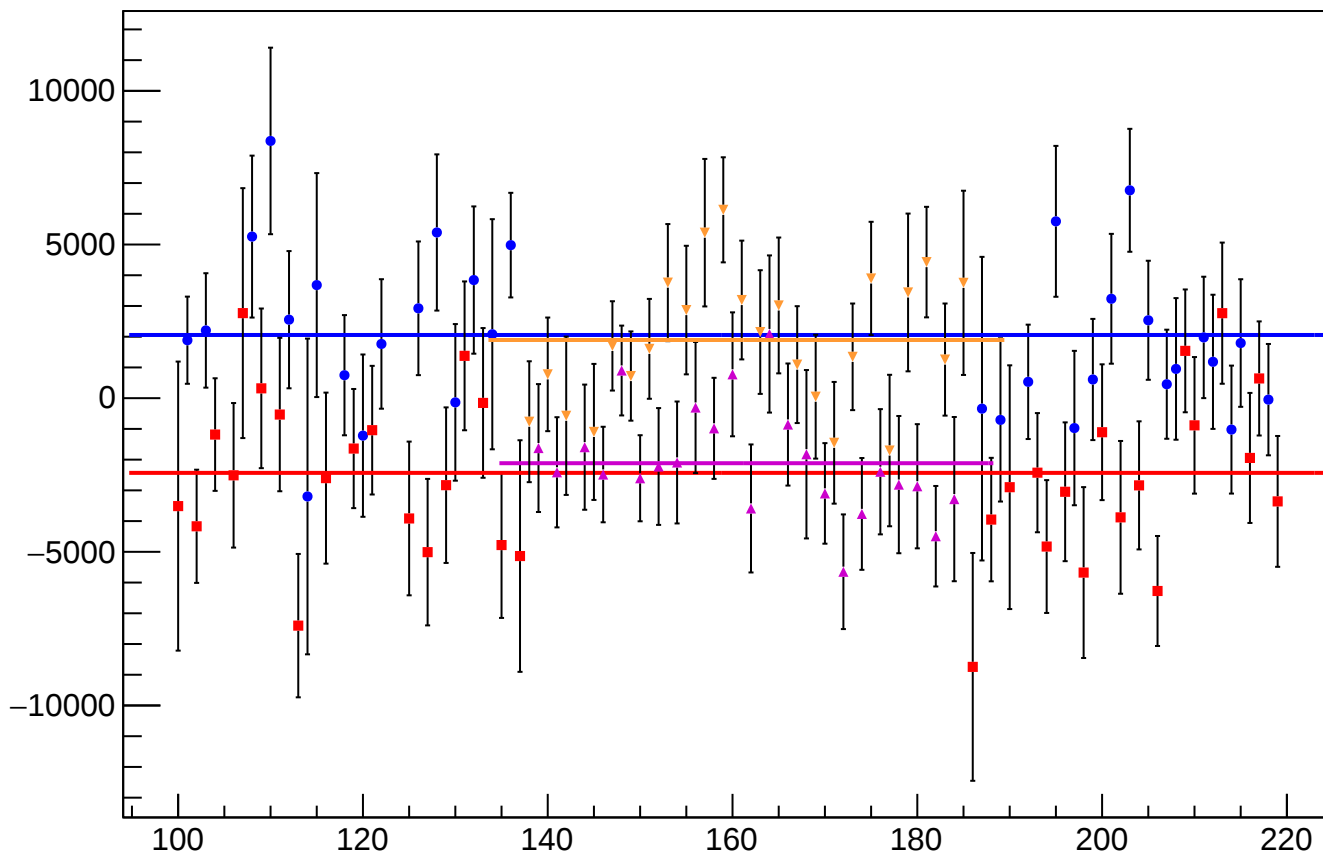
Right Out: 1445.191 $\pm$ 0.240 χ^2 /NDF: 1641940.0/34

All: 1402.263 $\pm$ 0.119 χ^2 /NDF: 5707032.2/11

Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

- sign 1413.167 $\pm$ 0.169 χ^2 /NDF: 2954013.6/57

asym_us_avg_mean vs Slug



Right In: 2056.554 $\pm$ 388.482 χ^2 /NDF: 32.2/31

Left Out: 1893.469 $\pm$ 394.877 χ^2 /NDF:25.9/23

Right Out: -2430.897 $\pm$ 390.746 χ^2 /NDF: 40.3/34

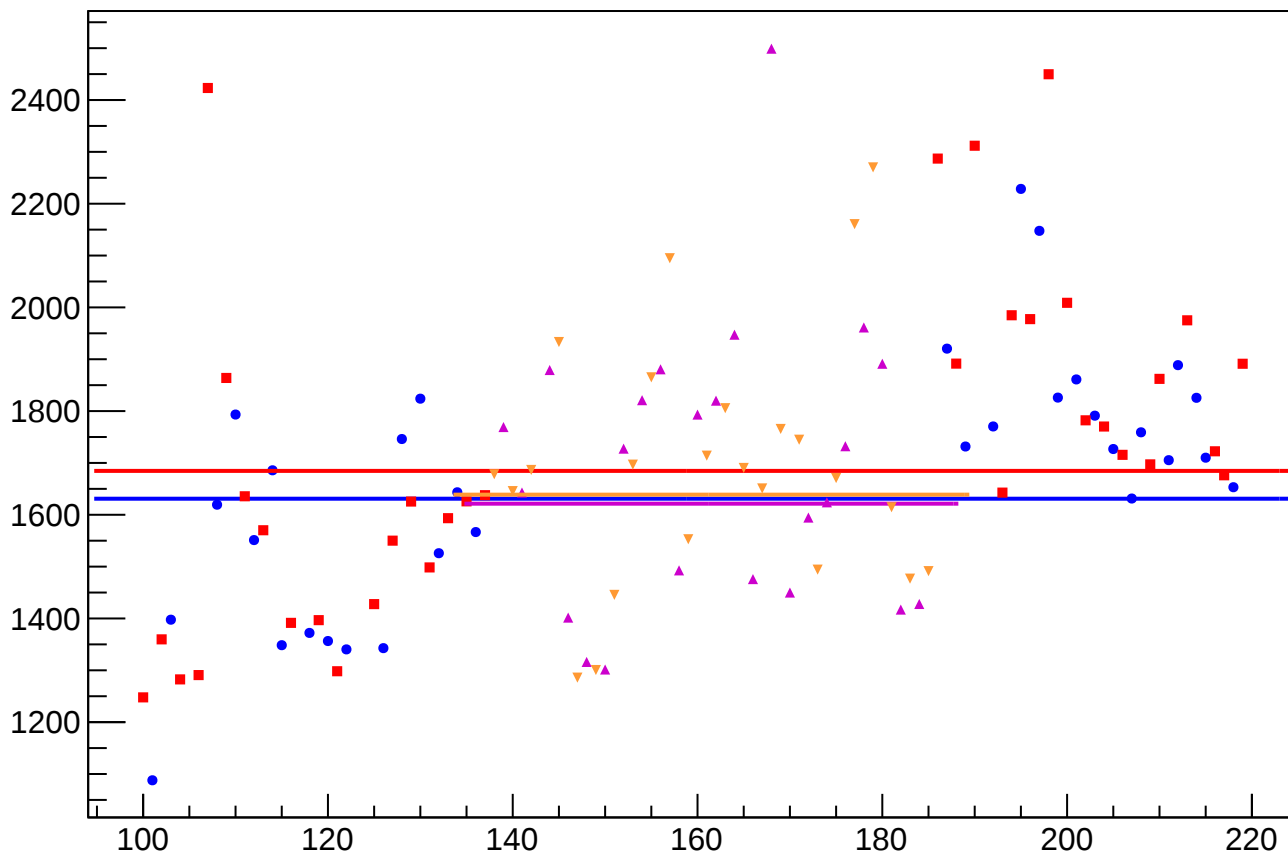
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1976.343 $\pm$ 276.931 χ^2 /NDF: 58.2/55

All: -147.805 $\pm$ 195.877 χ^2 /NDF: 235.4/113

- sign -2274.409 $\pm$ 277.092 χ^2 /NDF: 59.4/57

asym_us_avg_rms vs Slug



Right In: 1630.987 $\pm$ 0.275 χ^2 /NDF: 839971.8/31

Left Out: 1638.806 $\pm$ 0.279 χ^2 /NDF: 671906.6/23

Right Out: 1684.645 $\pm$ 0.276 χ^2 /NDF: 955318.1/34

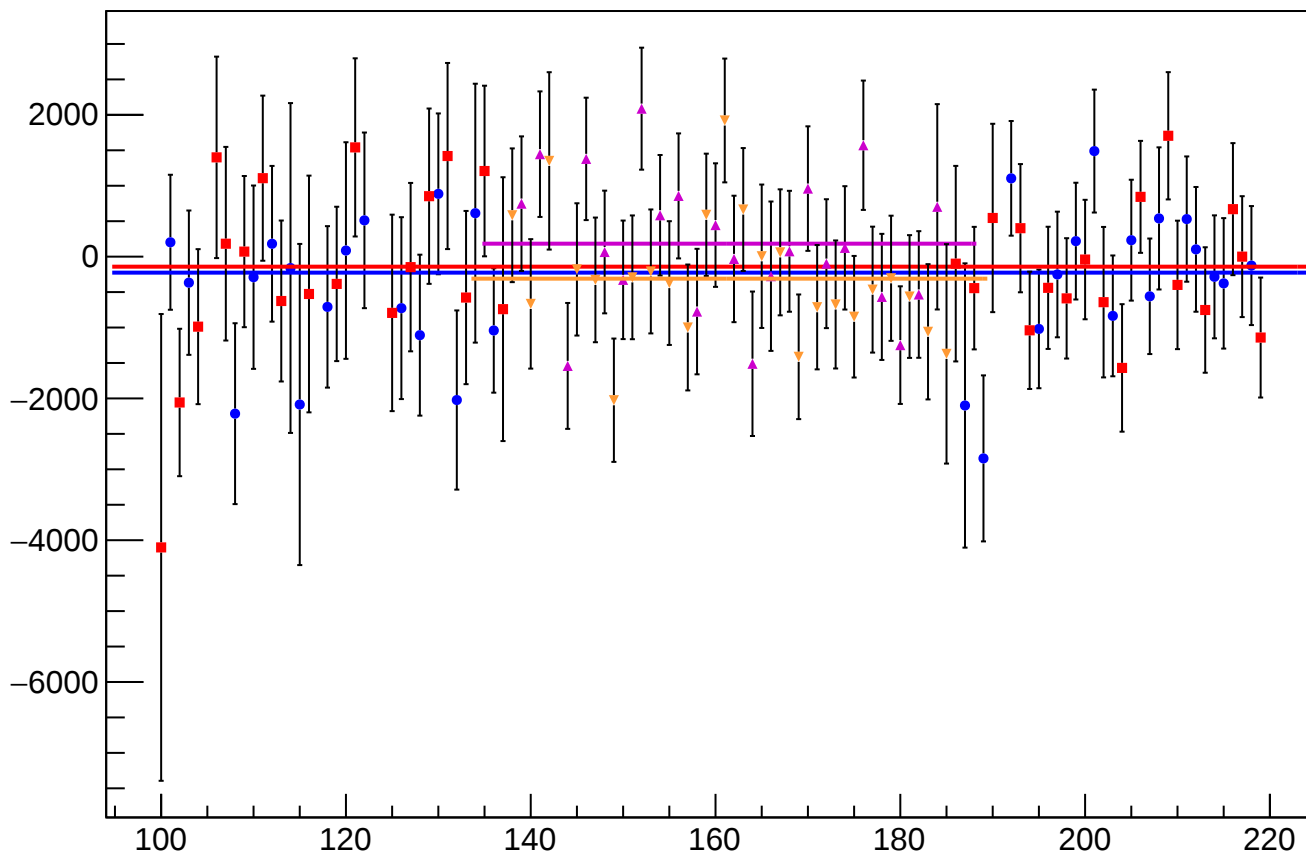
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1634.833 $\pm$ 0.196 χ^2 /NDF: 1512276.9/55

All: 1644.017 $\pm$ 0.139 χ^2 /NDF: 3273340.3/11

- sign 1653.212 $\pm$ 0.196 χ^2 /NDF: 1756661.3/57

reg_asym_us_dd_mean vs Slug



Right In: -225.757 ± 181.078 χ^2/NDF : 25.0/31

Left Out: -310.563 ± 186.538 χ^2/NDF : 20.0/23

Right Out: -141.502 ± 177.126 χ^2/NDF : 27.3/34

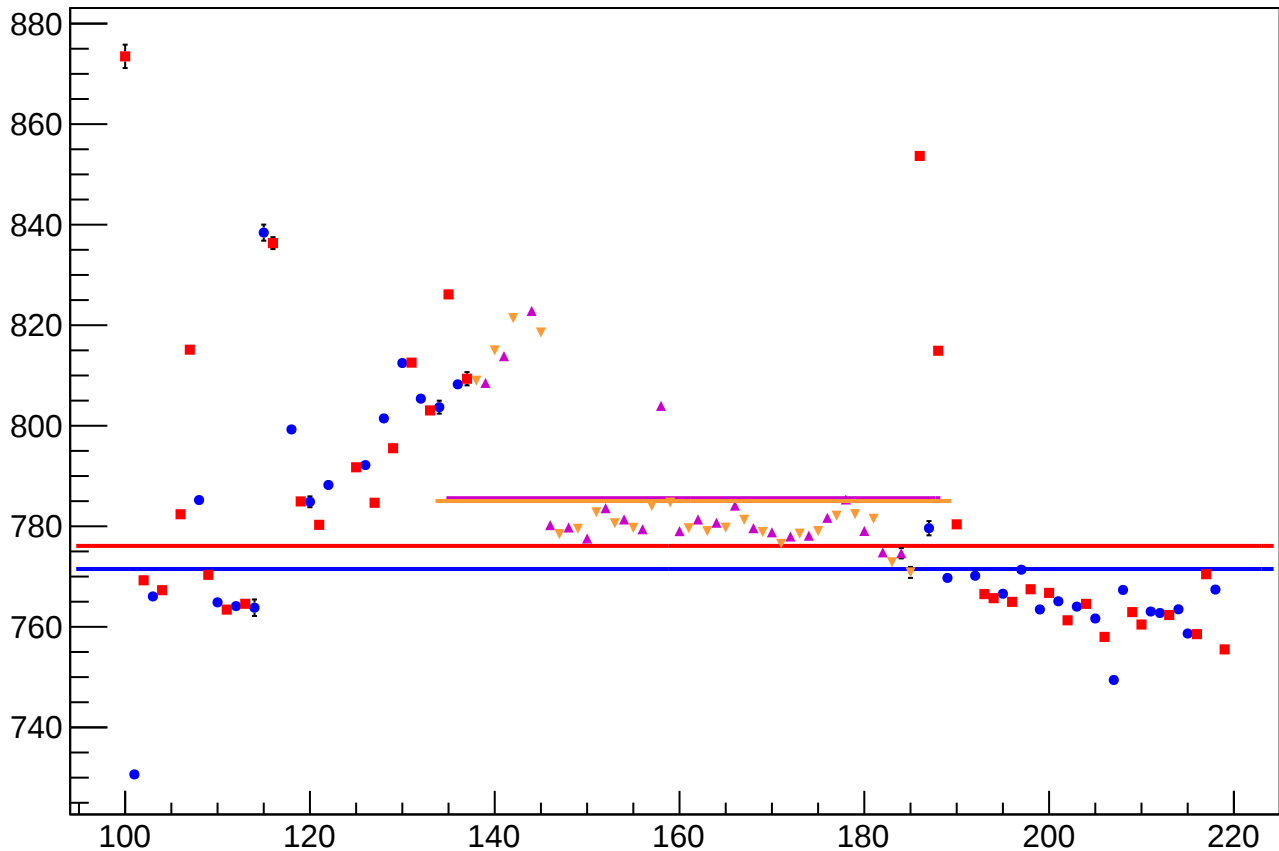
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -266.901 ± 129.929 χ^2/NDF : 45.2/55

All: -126.702 ± 91.494 χ^2/NDF : 102.5/113

- sign 11.201 ± 128.861 χ^2/NDF : 55.0/57

reg_asym_us_dd_rms vs Slug



Right In: 771.503 $\pm$ 0.128 χ^2 /NDF: 21000.5/31

Left Out: 785.031 $\pm$ 0.132 χ^2 /NDF:9367.9/23

Right Out: 776.101 $\pm$ 0.125 χ^2 /NDF: 31333.8/34

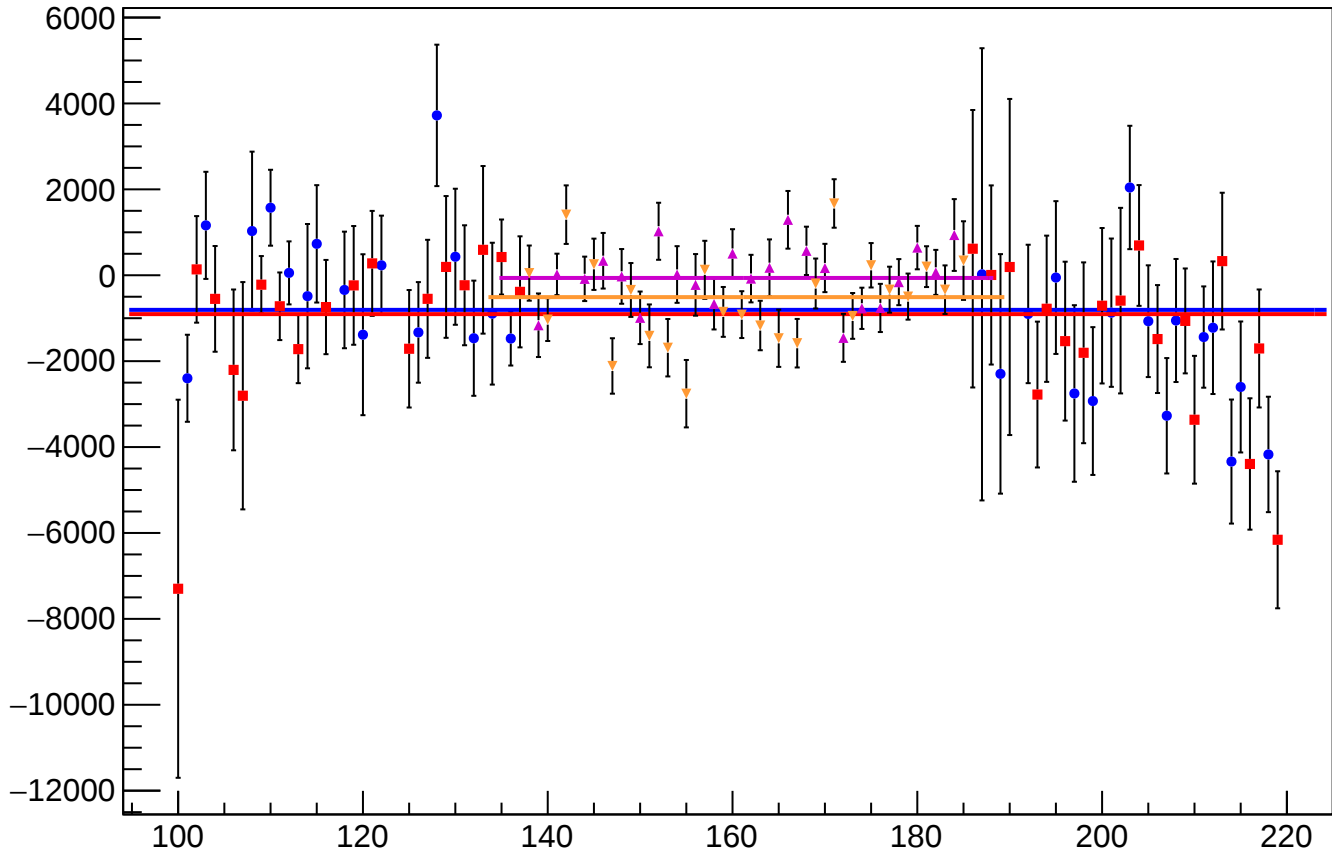
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF:9373.7/22

+ sign 778.066 $\pm$ 0.092 χ^2 /NDF: 35783.4/55

All: 779.328 $\pm$ 0.065 χ^2 /NDF: 79568.0/113

- sign 780.569 $\pm$ 0.091 χ^2 /NDF: 43410.4/57

asym_us_dd_correction_mean vs Slug



Right In: -805.675 ± 229.628 $\chi^2/\text{NDF}: 50.9/31$

Left Out: -509.311 ± 121.190 $\chi^2/\text{NDF}: 60.5/23$

Right Out: -904.953 ± 226.375 $\chi^2/\text{NDF}: 34.7/34$

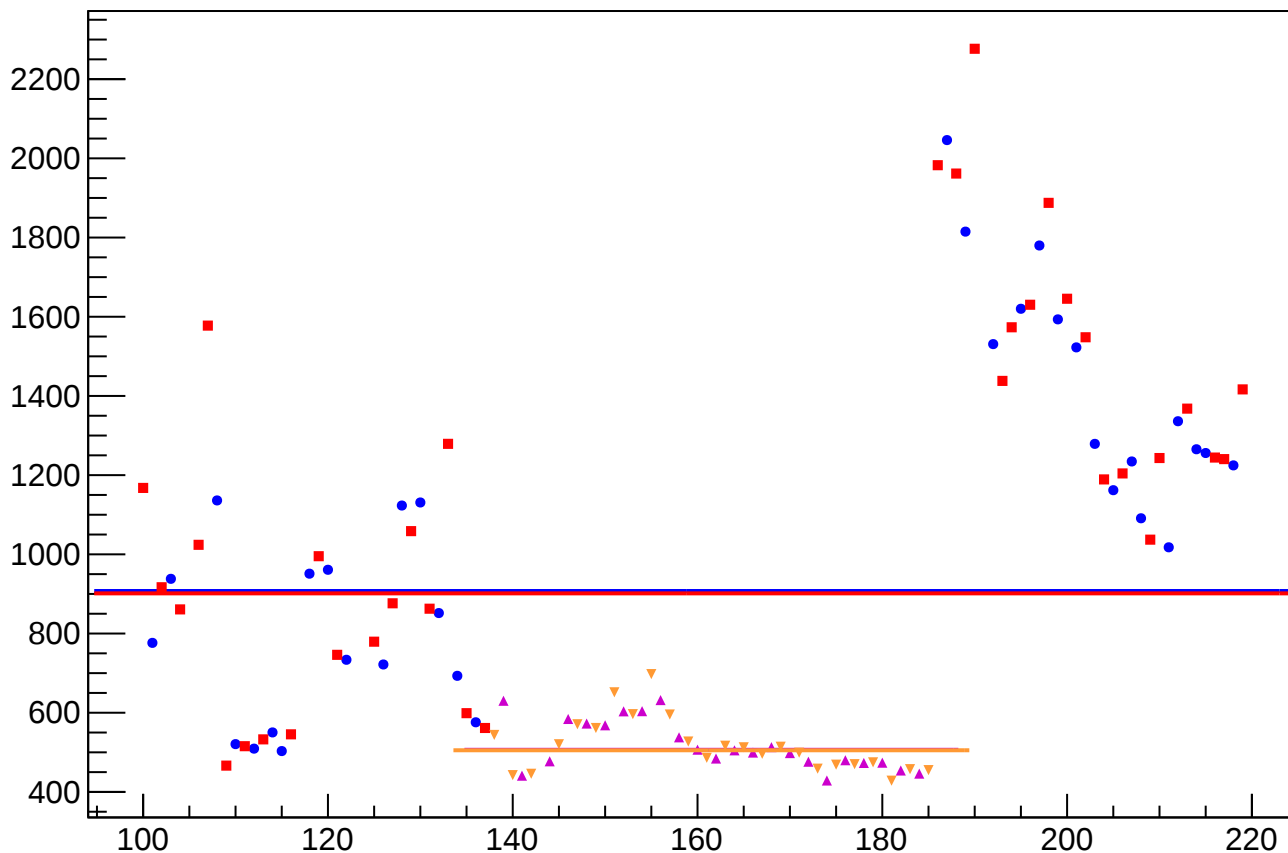
Left In: -62.768 ± 122.045 $\chi^2/\text{NDF}: 28.8/22$

+ sign -573.876 ± 107.179 $\chi^2/\text{NDF}: 112.8/55$

All: -413.525 ± 75.875 $\chi^2/\text{NDF}: 191.5/113$

- sign -252.430 ± 107.428 $\chi^2/\text{NDF}: 74.2/57$

asym_us_dd_correction_rms vs Slug



Right In: 907.392+/-0.162 χ^2/NDF : 4801022.2/31

Left Out: 505.220+/-0.086 χ^2/NDF : 485593.0/23

Right Out: 901.440+/-0.160 χ^2/NDF : 6355392.8/34

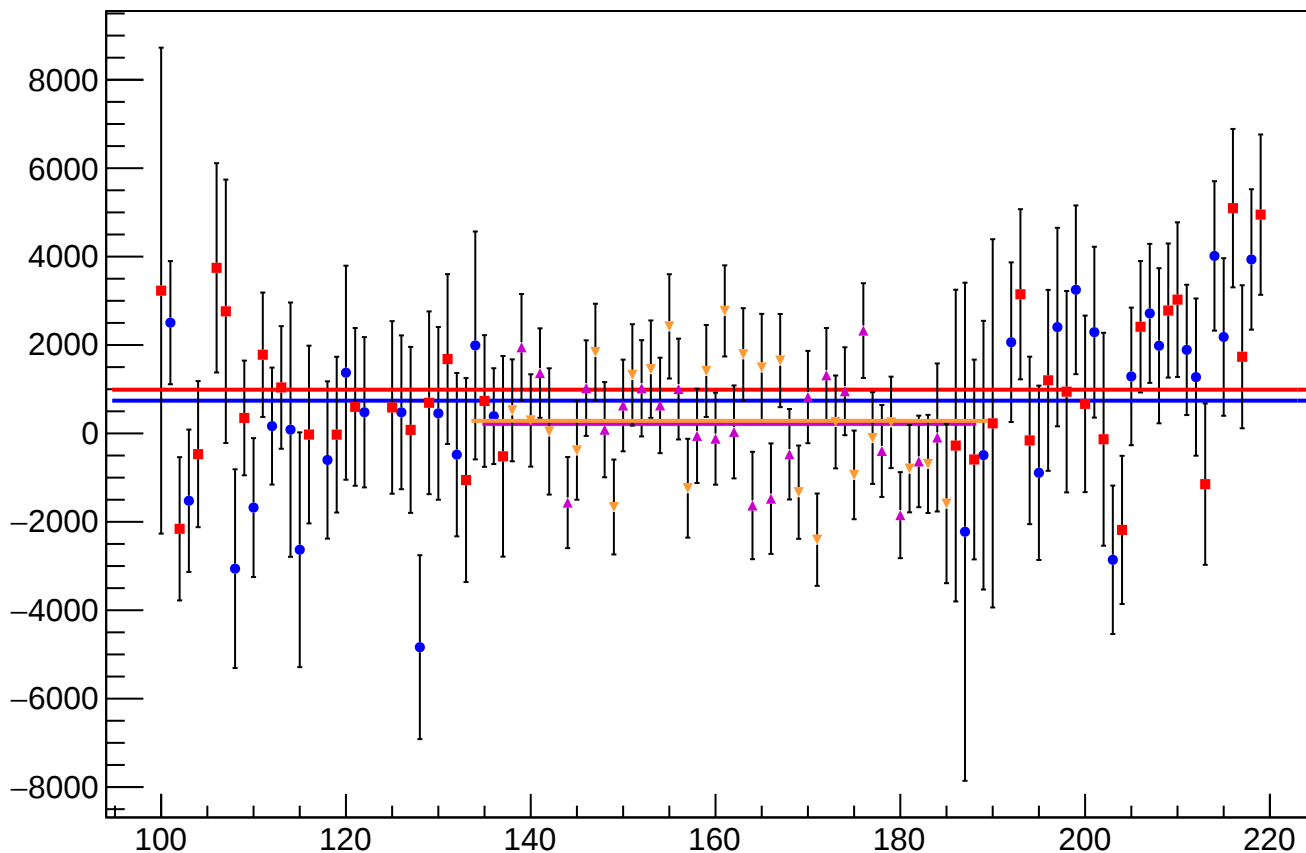
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ sign 592.836+/-0.076 χ^2/NDF : 10084926.9/55

All: 594.089+/-0.054 χ^2/NDF : 21596560.6/11

- sign 595.349+/-0.076 χ^2/NDF : 11511085.3/57

asym_us_dd_mean vs Slug



Right In: 741.217 $\pm$ 315.174 χ^2 /NDF: 39.9/31

Left Out: 285.144 $\pm$ 224.378 χ^2 /NDF: 38.3/23

Right Out: 989.872 $\pm$ 315.228 χ^2 /NDF: 30.7/34

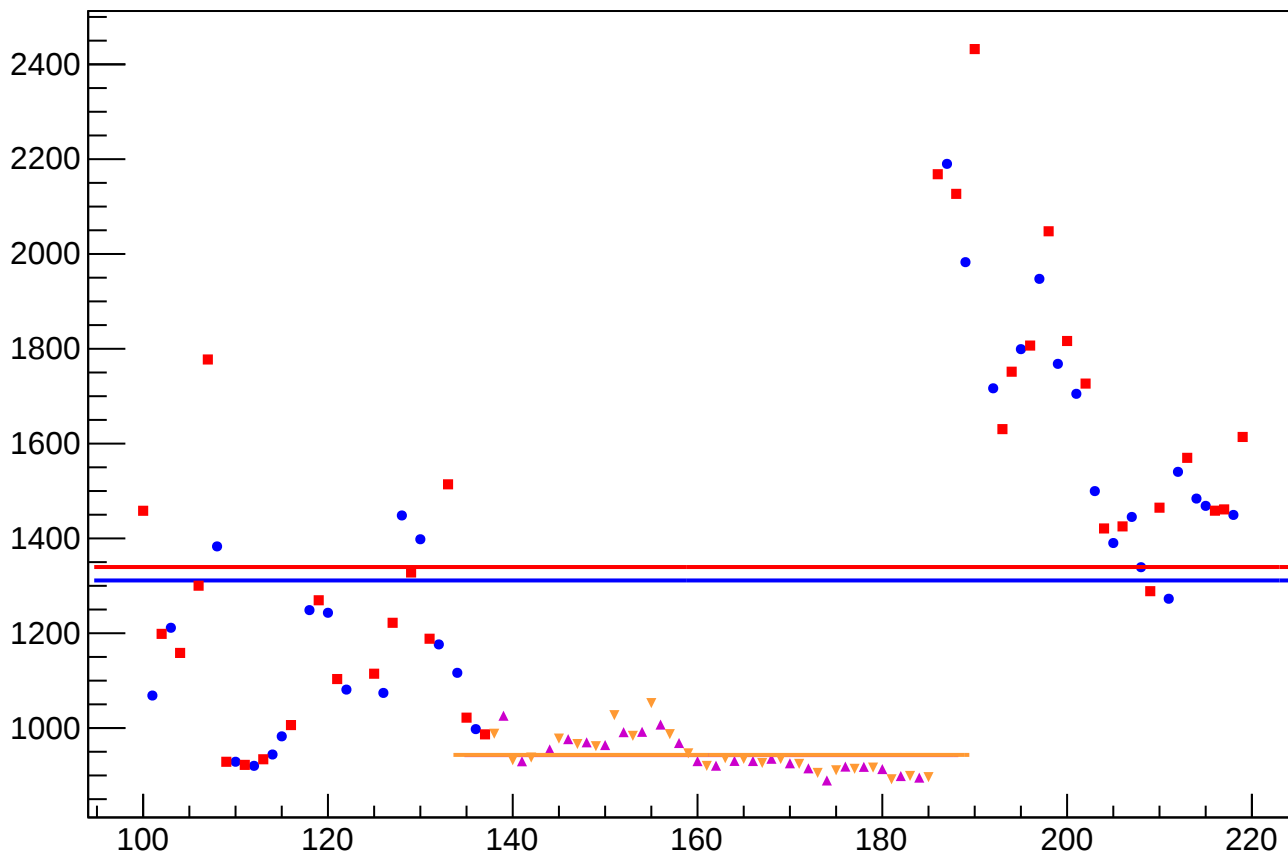
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 438.546 $\pm$ 182.788 χ^2 /NDF: 79.5/55

All: 458.298 $\pm$ 129.487 χ^2 /NDF: 138.6/113

- sign 478.195 $\pm$ 183.458 χ^2 /NDF: 59.1/57

asym_us_dd_rms vs Slug



Right In: 1311.327+/-0.223 χ^2/NDF : 1566237.7/31

Left Out: 943.351+/-0.159 χ^2/NDF : 60365.2/23

Right Out: 1339.670+/-0.223 χ^2/NDF : 2137984.0/34

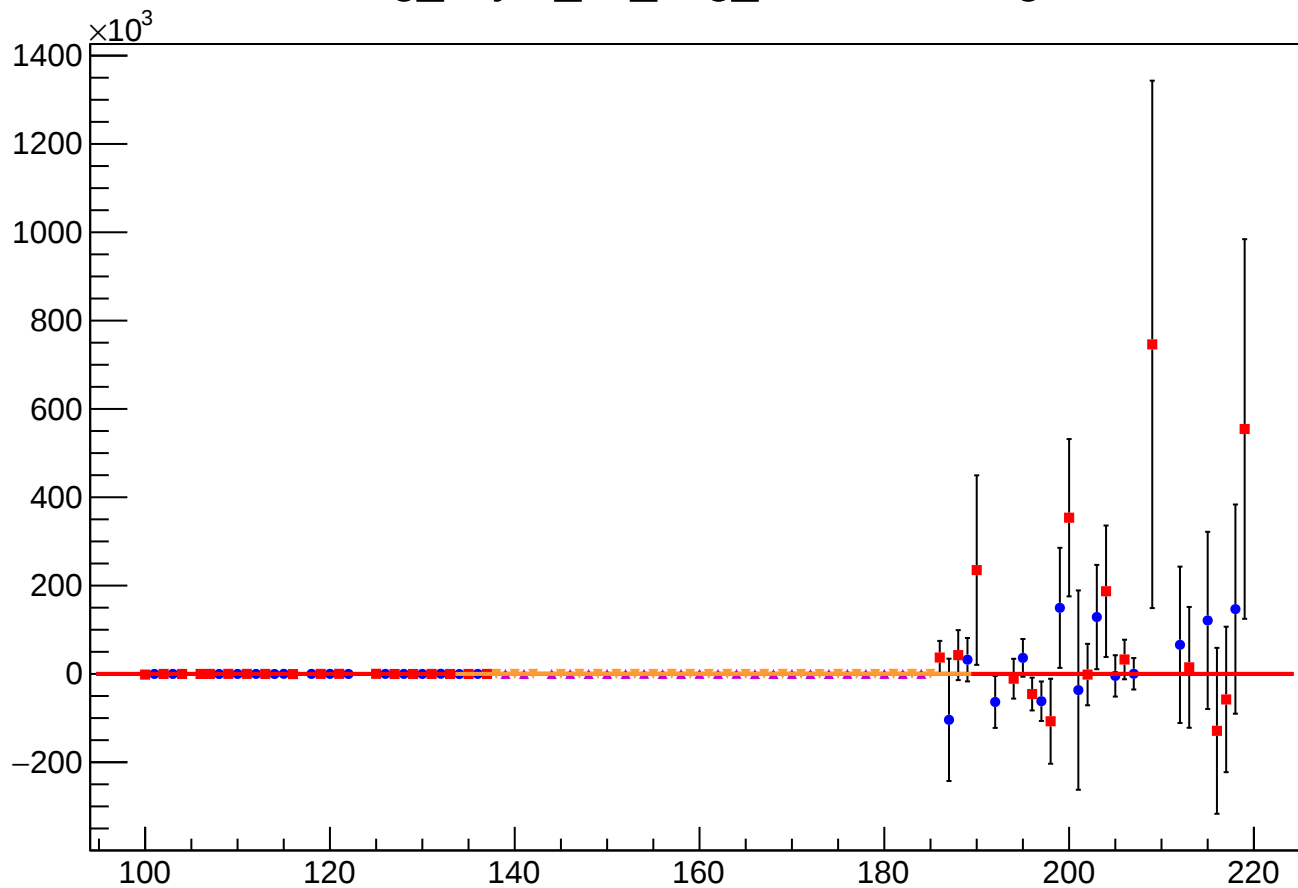
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1067.121+/-0.129 χ^2/NDF : 3435891.5/55

All: 1072.195+/-0.092 χ^2/NDF : 7720414.4/11

- sign 1077.306+/-0.130 χ^2/NDF : 4281429.5/57

reg_asym_ds_avg_mean vs Slug



Right In: -15.550 ± 30.032 χ^2/NDF : 24.1/28

Left Out: 3.710 ± 21.467 χ^2/NDF : 22.4/23

Right Out: -31.726 ± 30.492 χ^2/NDF : 32.2/32

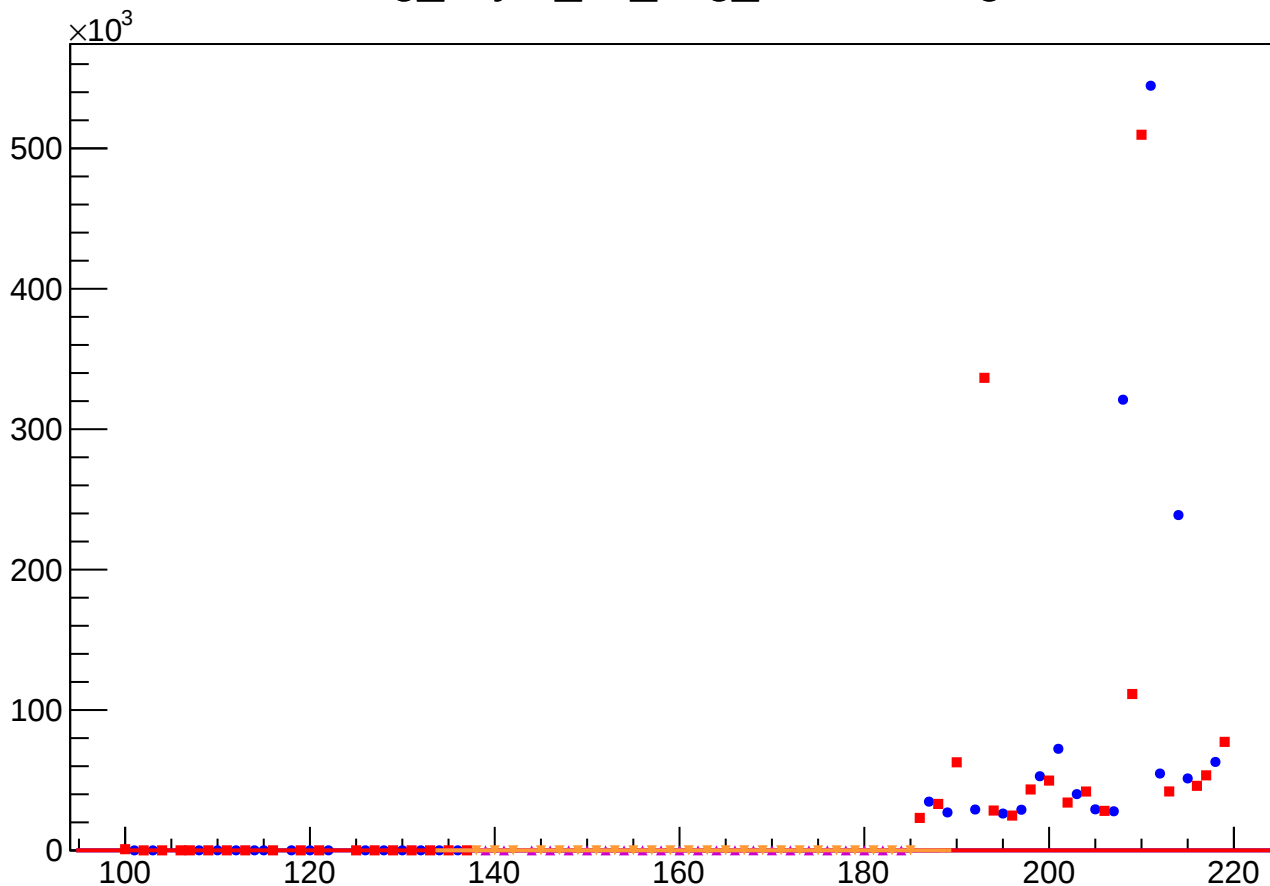
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.803 ± 17.464 χ^2/NDF : 46.8/52

All: 0.909 ± 12.403 χ^2/NDF : 103.8/108

- sign 4.685 ± 17.617 χ^2/NDF : 56.9/55

reg_asym_ds_avg_rms vs Slug



Right In: 76.143 $\pm$ 0.021 χ^2 /NDF: 6919236.5/31

Left Out: 89.692 $\pm$ 0.015 χ^2 /NDF: 466281.5/23

Right Out: 79.462 $\pm$ 0.022 χ^2 /NDF: 6633733.1/34

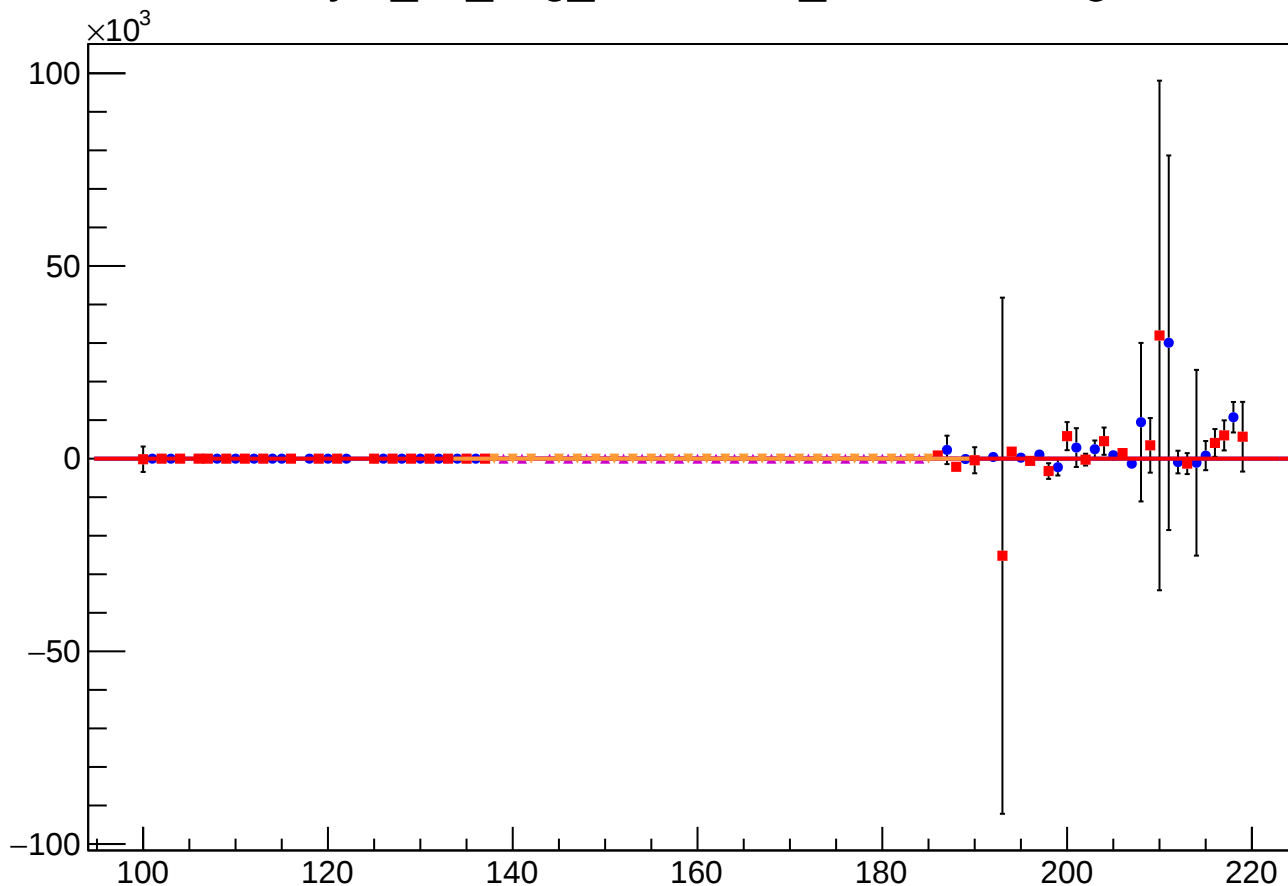
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.110 $\pm$ 0.012 χ^2 /NDF: 7654931.9/55

All: 85.657 $\pm$ 0.009 χ^2 /NDF: 14948292.8/113

- sign 86.213 $\pm$ 0.012 χ^2 /NDF: 7289411.7/57

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 ± 0.502 χ^2/NDF : 39.0/31

Left Out: 0.126 ± 0.377 χ^2/NDF : 21.3/23

Right Out: -0.038 ± 0.525 χ^2/NDF : 33.8/34

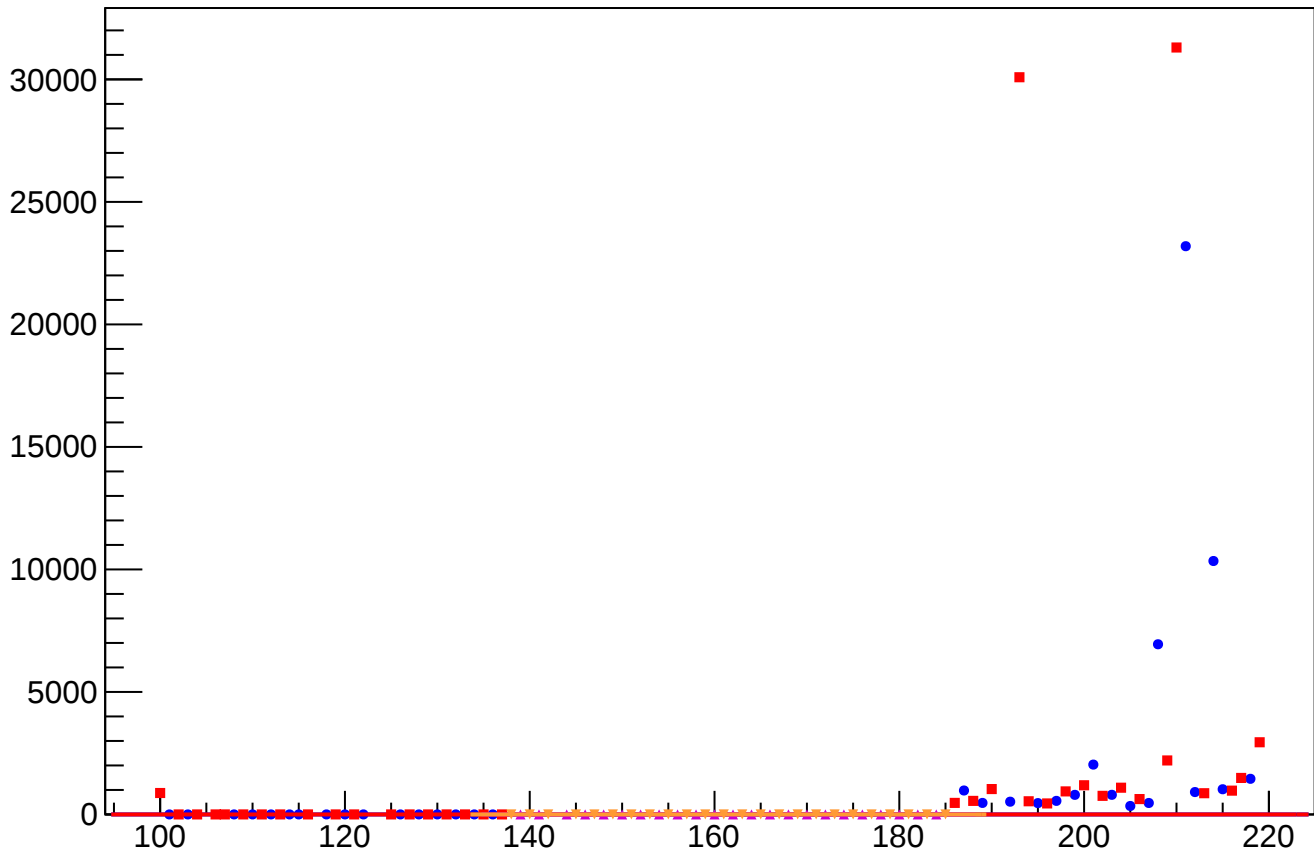
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 60.7/55

All: 0.144 ± 0.217 χ^2/NDF : 122.2/113

- sign 0.323 ± 0.312 χ^2/NDF : 60.8/57

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 6988558.8/31

Left Out: 1.408+/-0.000 χ^2/NDF : 987553.0/23

Right Out: 1.260+/-0.000 χ^2/NDF : 7465685.4/34

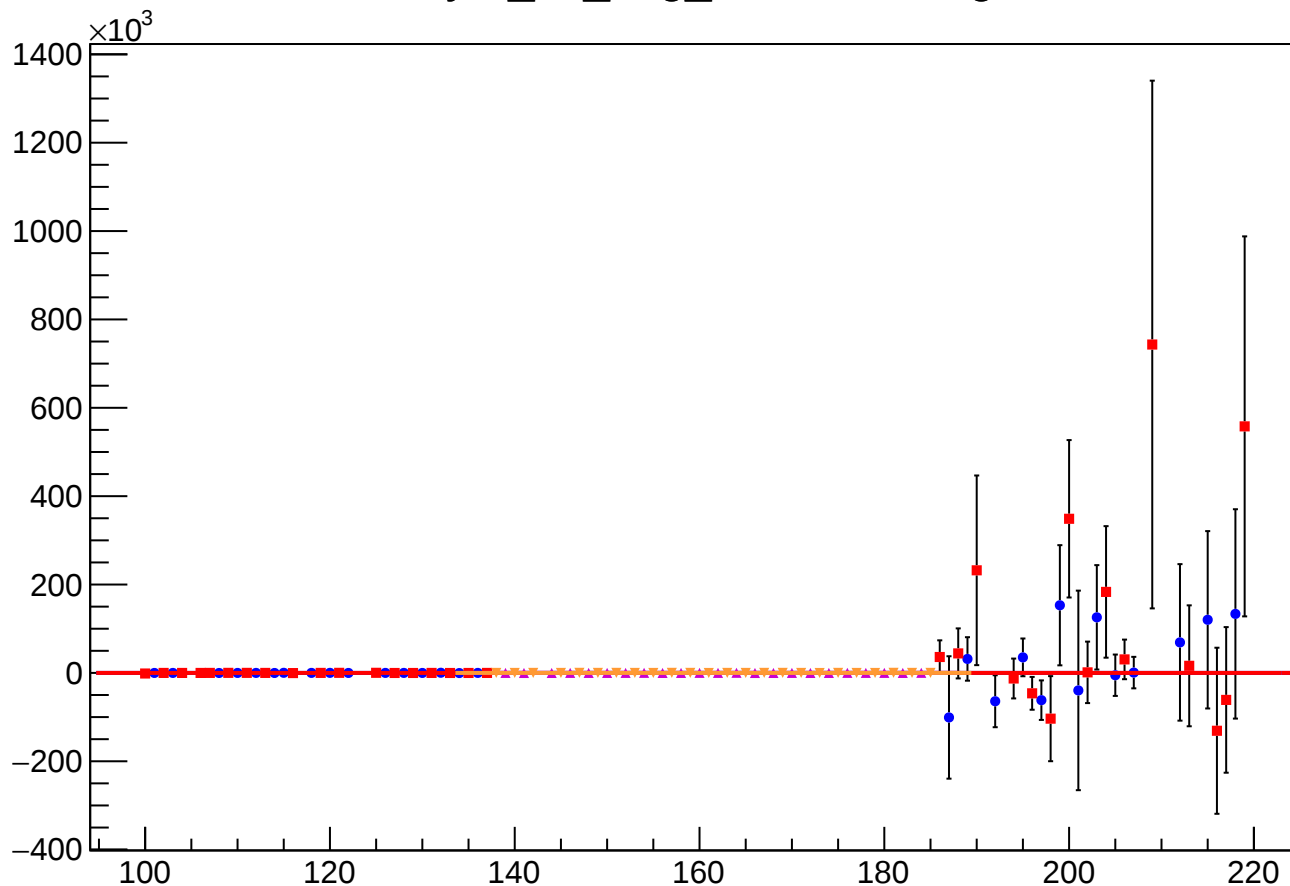
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 8306595.8/55

All: 1.350+/-0.000 χ^2/NDF : 16993675.5/113

- sign 1.385+/-0.000 χ^2/NDF : 8636458.2/57

asym_ds_avg_mean vs Slug



Right In: -14.487 ± 30.040 χ^2/NDF : 24.2/28

Left Out: 3.497 ± 21.474 χ^2/NDF : 22.1/23

Right Out: -32.007 ± 30.500 χ^2/NDF : 31.9/32

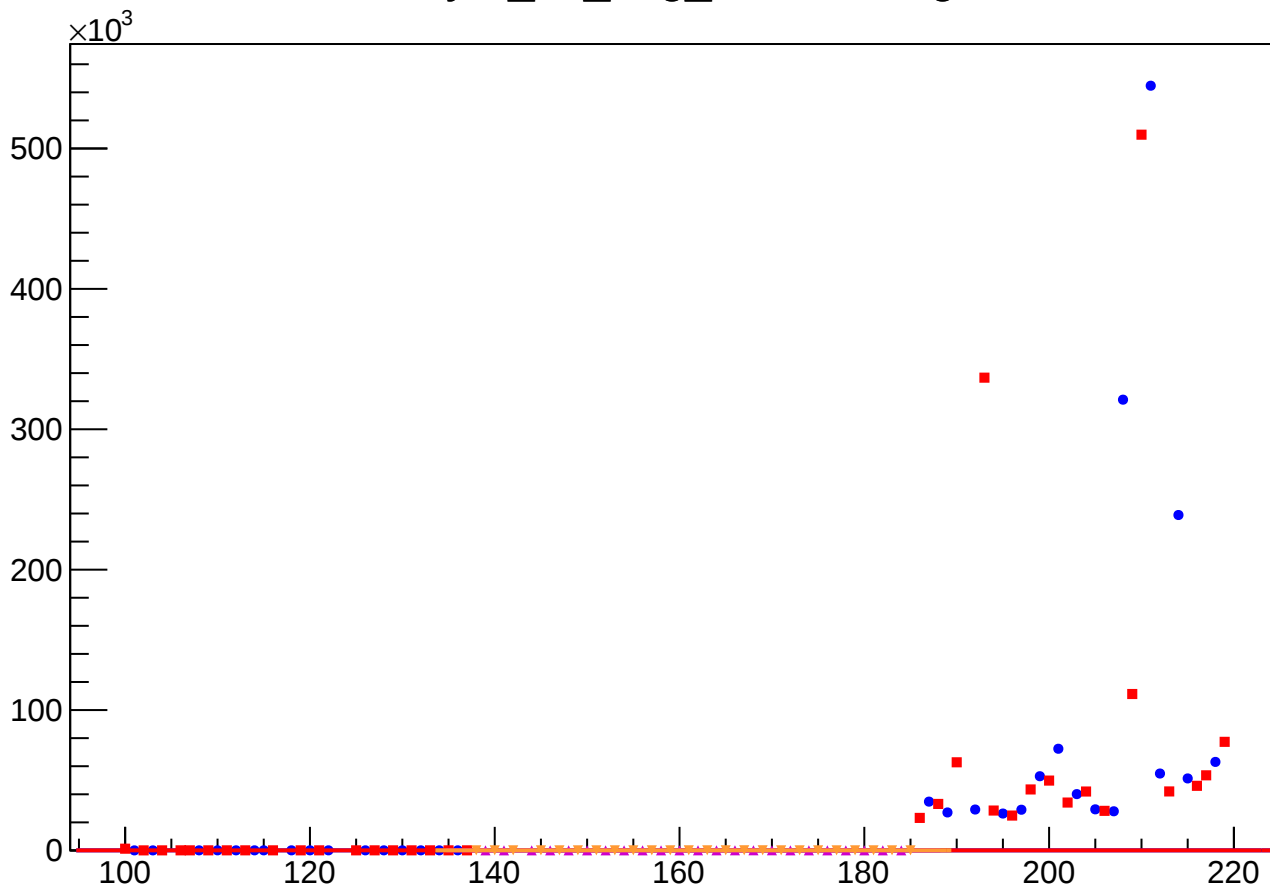
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.585 ± 17.470 χ^2/NDF : 46.5/52

All: 0.811 ± 12.407 χ^2/NDF : 103.0/108

- sign 4.267 ± 17.623 χ^2/NDF : 56.4/55

asym_ds_avg_rms vs Slug



Right In: 76.163 $\pm$ 0.021 χ^2 /NDF: 6919369.9/31

Left Out: 89.719 $\pm$ 0.015 χ^2 /NDF: 467023.5/23

Right Out: 79.465 $\pm$ 0.022 χ^2 /NDF: 6640364.9/34

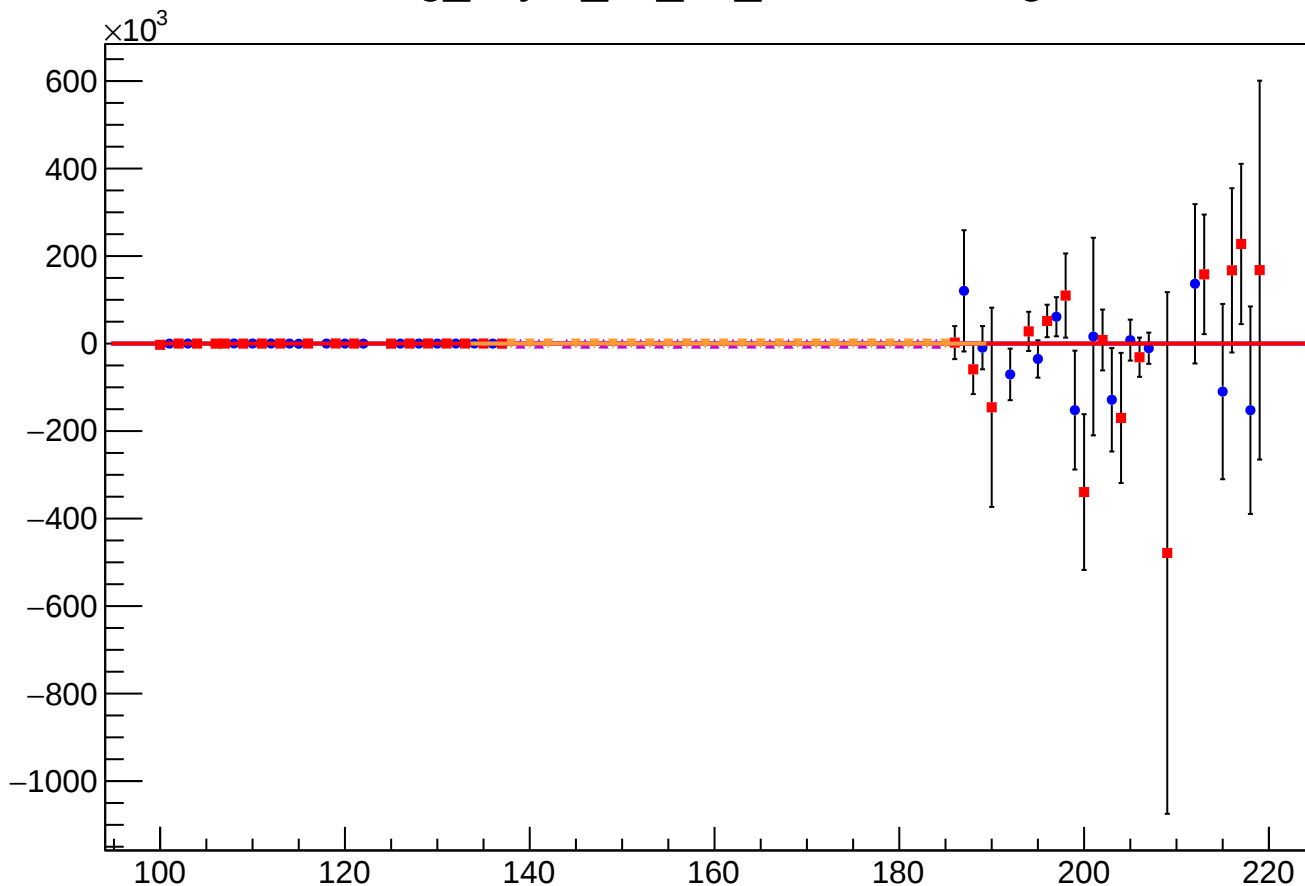
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.134 $\pm$ 0.012 χ^2 /NDF: 7655934.9/55

All: 85.678 $\pm$ 0.009 χ^2 /NDF: 14957357.9/113

- sign 86.231 $\pm$ 0.012 χ^2 /NDF: 7297514.4/57

reg_asym_ds_dd_mean vs Slug



Right In: 8.087 ± 30.012 χ^2/NDF : 22.6/28

Left Out: 15.274 ± 21.472 χ^2/NDF : 17.2/23

Right Out: 25.803 ± 30.473 χ^2/NDF : 27.8/32

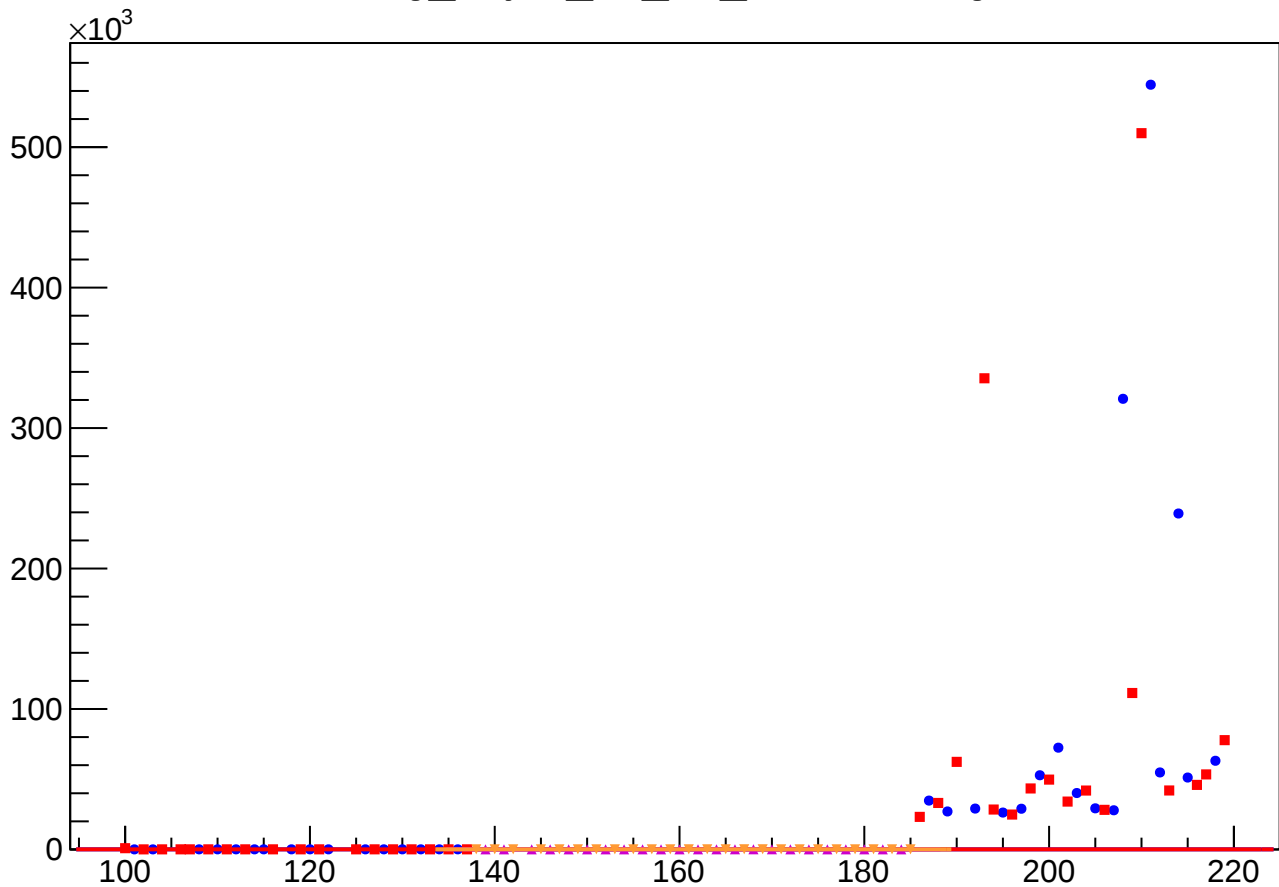
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.840 ± 17.463 χ^2/NDF : 39.8/52

All: -3.575 ± 12.403 χ^2/NDF : 104.3/108

- sign -20.283 ± 17.618 χ^2/NDF : 62.7/55

reg_asym_ds_dd_rms vs Slug



Right In: 76.094 $\pm$ 0.021 χ^2 /NDF: 6918819.0/31

Left Out: 89.712 $\pm$ 0.015 χ^2 /NDF: 465096.2/23

Right Out: 79.413 $\pm$ 0.022 χ^2 /NDF: 6633089.1/34

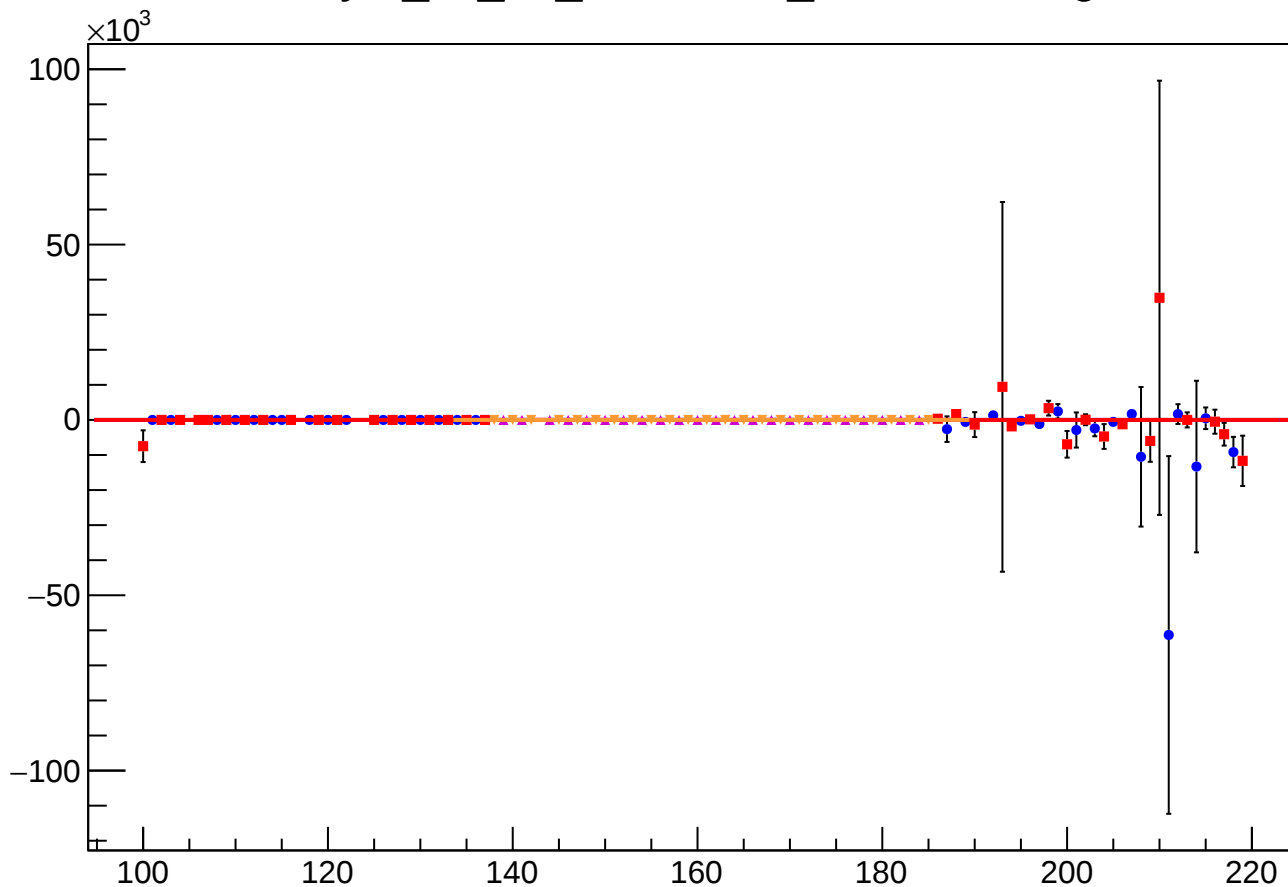
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.101 $\pm$ 0.012 χ^2 /NDF: 7656287.5/55

All: 85.652 $\pm$ 0.009 χ^2 /NDF: 14954041.1/113

- sign 86.213 $\pm$ 0.012 χ^2 /NDF: 7293736.1/57

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 32.3/31

Left Out: -0.516 ± 0.391 χ^2/NDF : 20.7/23

Right Out: -0.348 ± 0.549 χ^2/NDF : 36.2/34

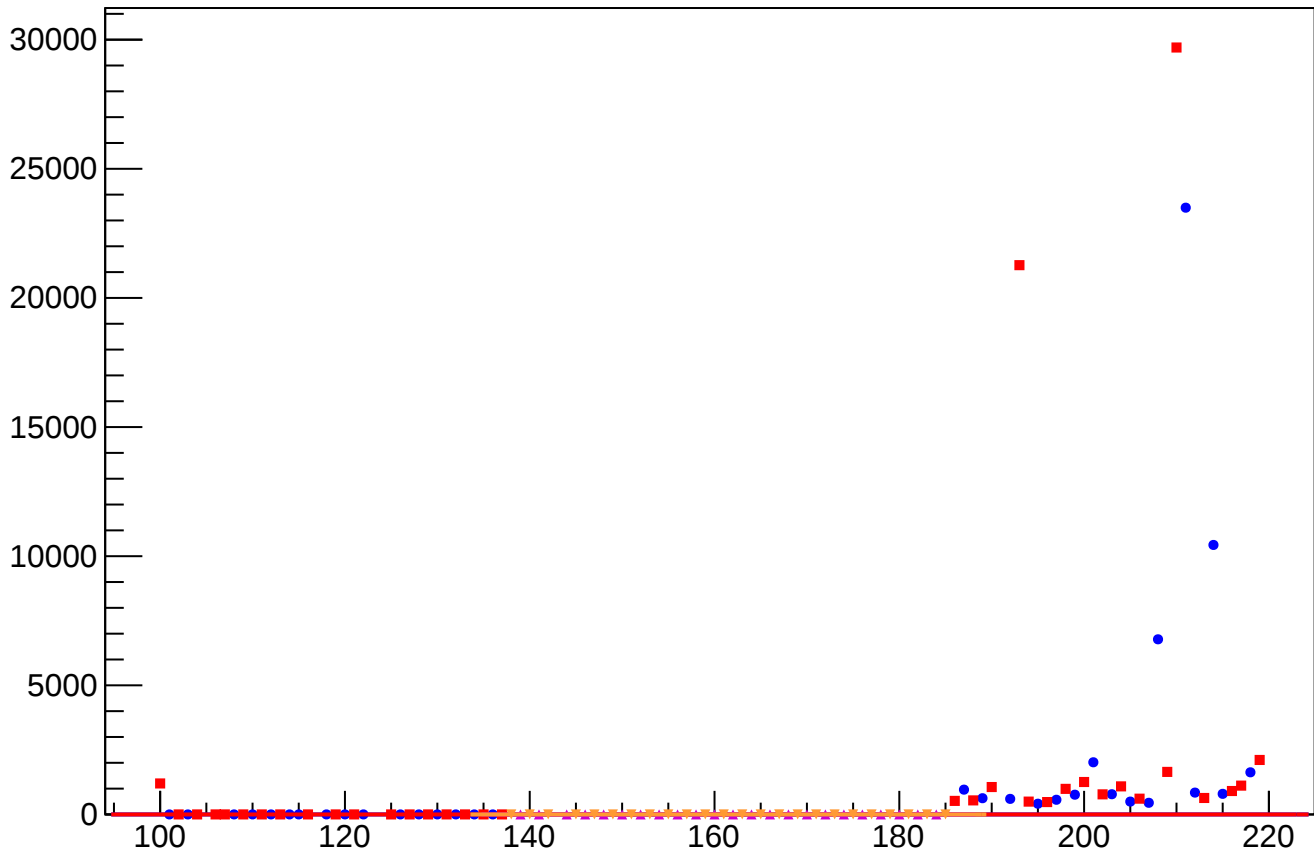
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 57.6/55

All: -0.045 ± 0.224 χ^2/NDF : 114.6/113

- sign -0.070 ± 0.318 χ^2/NDF : 57.0/57

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 7229243.8/31

Left Out: 1.470+/-0.000 χ^2/NDF :1154842.2/23

Right Out: 1.317+/-0.000 χ^2/NDF : 7259880.0/34

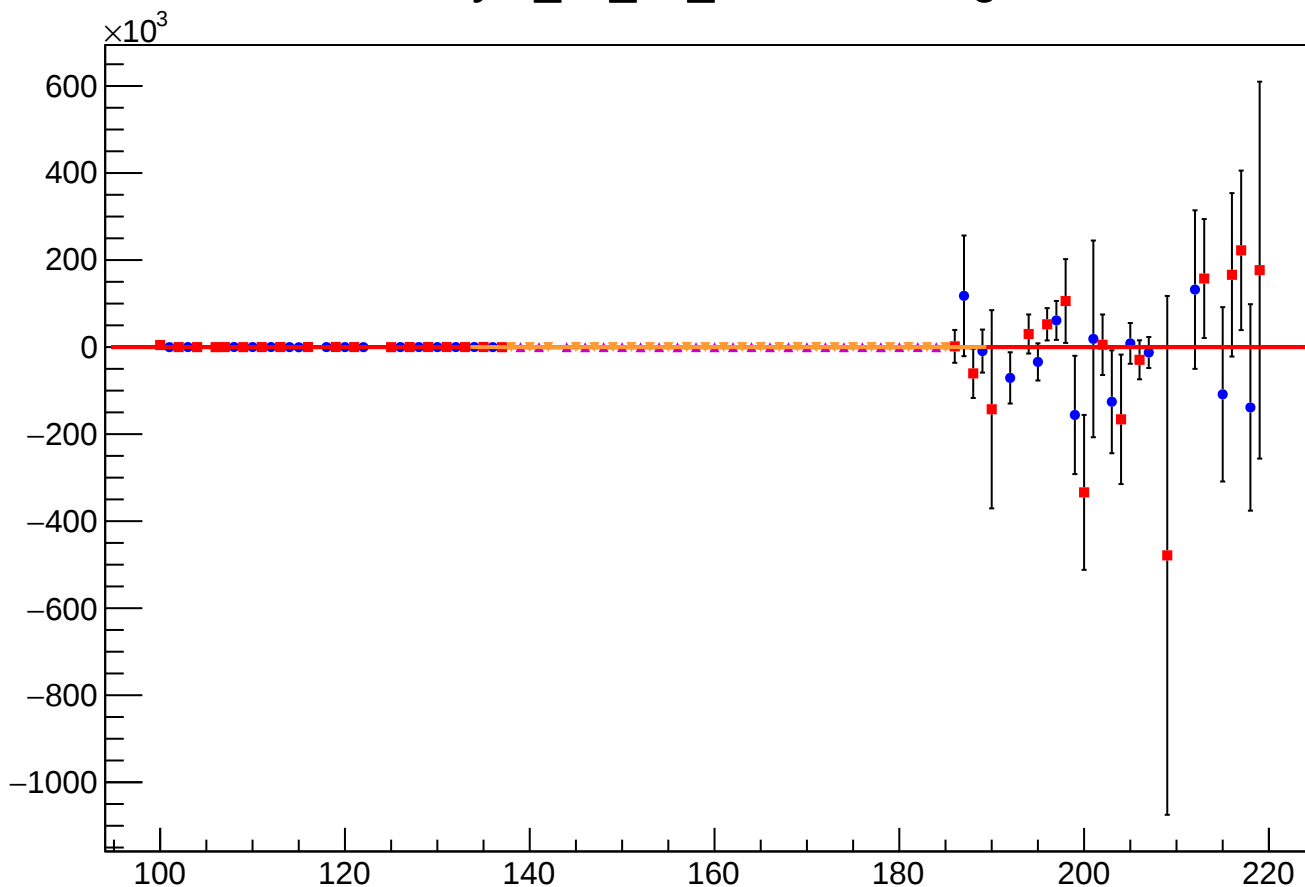
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 8639779.4/55

All: 1.400+/-0.000 χ^2/NDF : 17046446.5/113

- sign 1.413+/-0.000 χ^2/NDF : 8400357.3/57

asym_ds_dd_mean vs Slug



Right In: 7.379 ± 30.020 χ^2/NDF : 22.4/28

Left Out: 15.770 ± 21.479 χ^2/NDF : 17.1/23

Right Out: 26.413 ± 30.482 χ^2/NDF : 27.8/32

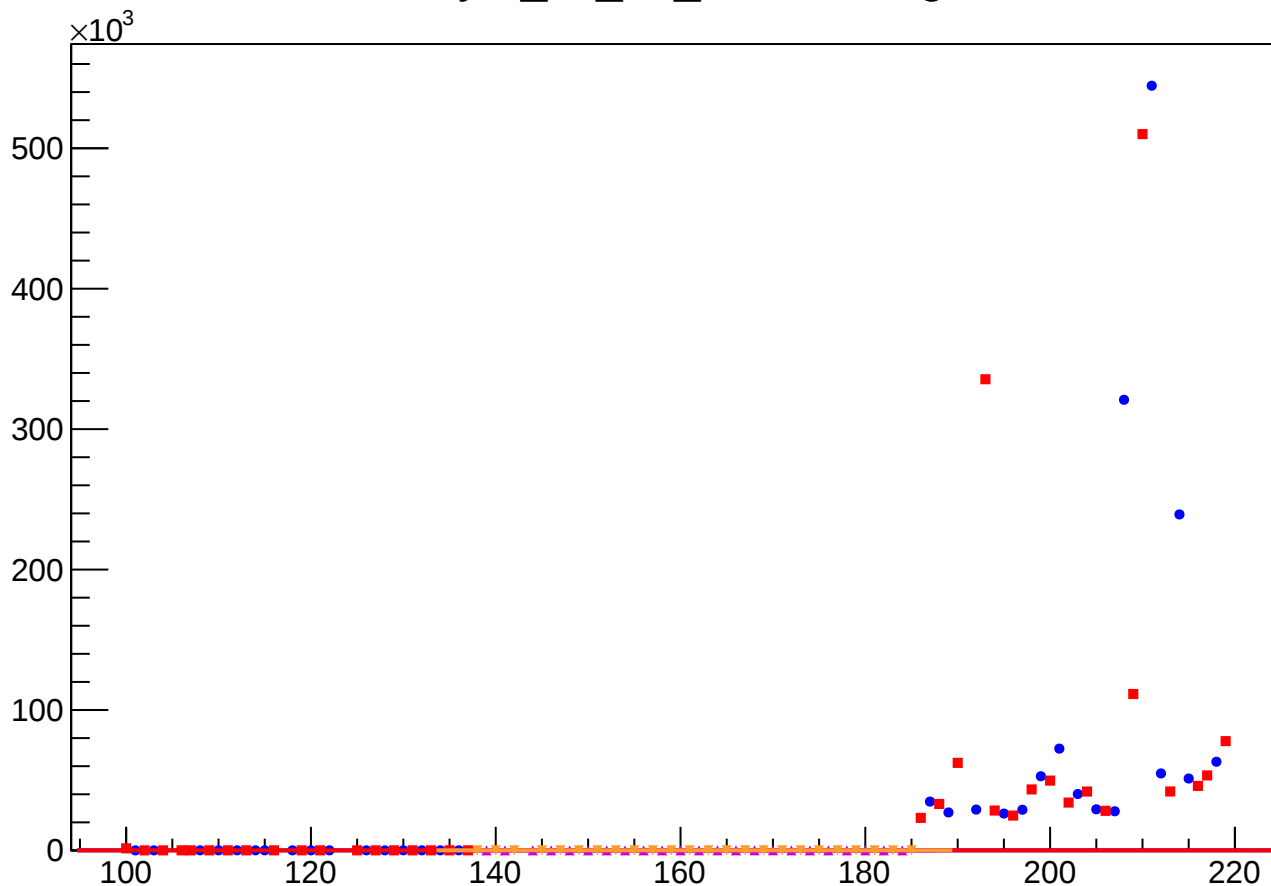
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.929 ± 17.468 χ^2/NDF : 39.5/52

All: -3.587 ± 12.407 χ^2/NDF : 103.7/108

- sign -20.399 ± 17.624 χ^2/NDF : 62.4/55

asym_ds_dd_rms vs Slug



Right In: 76.114 $\pm$ 0.021 χ^2 /NDF: 6919010.2/31

Left Out: 89.740 $\pm$ 0.015 χ^2 /NDF: 465842.6/23

Right Out: 79.410 $\pm$ 0.022 χ^2 /NDF: 6642404.3/34

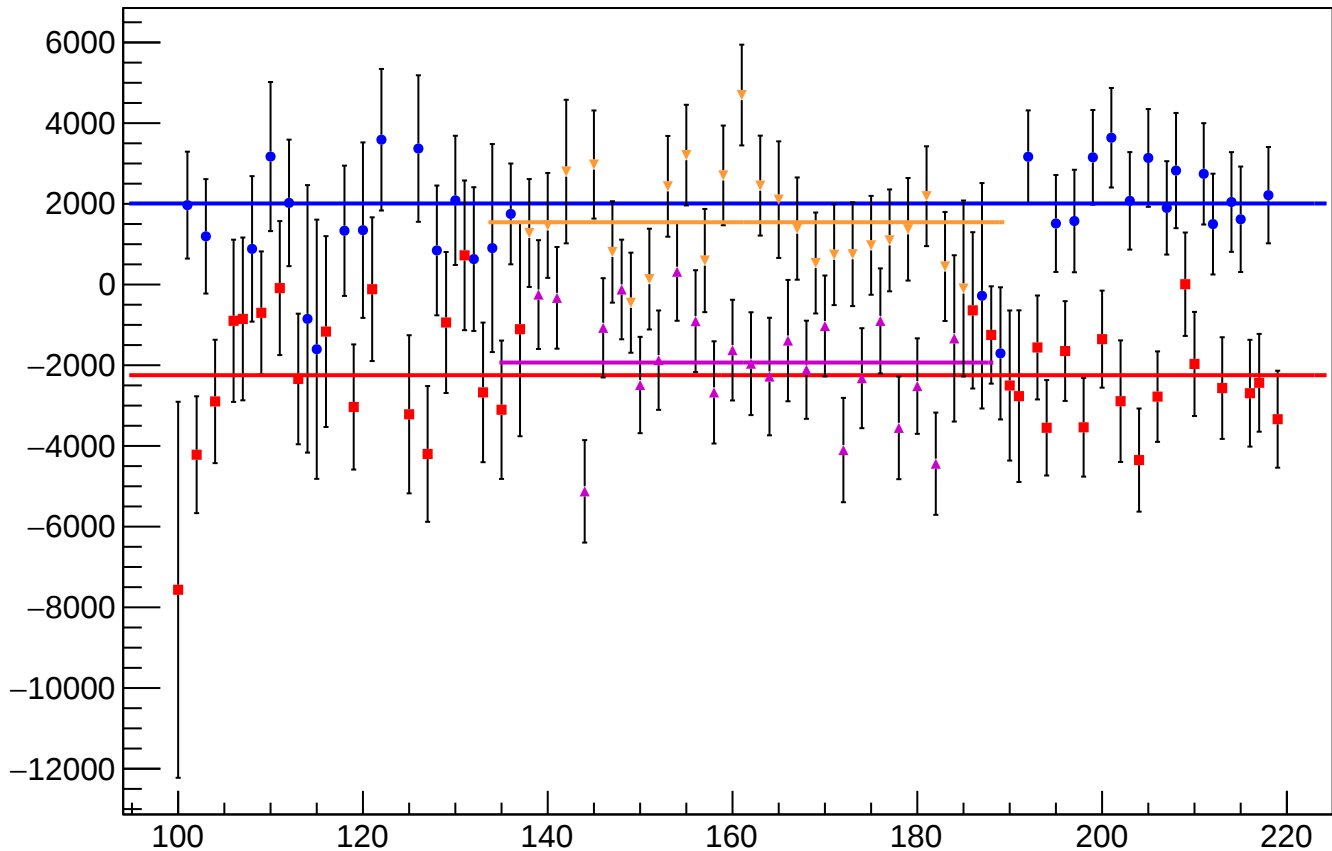
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.126 $\pm$ 0.012 χ^2 /NDF: 7657351.2/55

All: 85.673 $\pm$ 0.009 χ^2 /NDF: 14965958.3/113

- sign 86.230 $\pm$ 0.012 χ^2 /NDF: 7304651.4/57

reg_asym_usl_mean vs Slug



Right In: 2009.214 $\pm$ 256.951 χ^2 /NDF: 17.8/31

Left Out: 1544.102 $\pm$ 266.270 χ^2 /NDF:20.0/23

Right Out: -2246.753 $\pm$ 249.943 χ^2 /NDF: 26.2/35

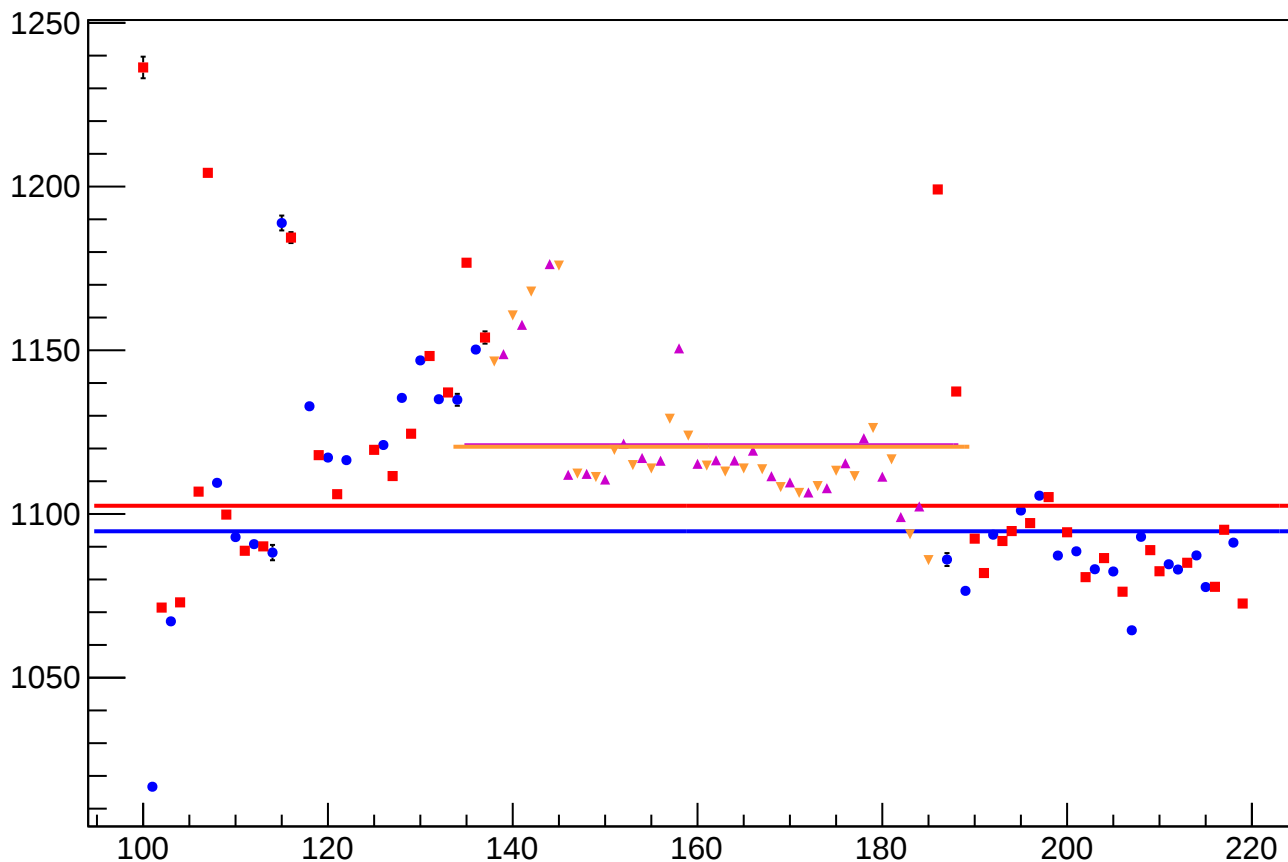
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

+ sign 1784.939 $\pm$ 184.899 χ^2 /NDF: 39.3/55

All: -180.229 $\pm$ 129.991 χ^2 /NDF: 316.7/114

- sign -2100.805 $\pm$ 182.789 χ^2 /NDF: 54.0/58

reg_asym_usl_rms vs Slug



Right In: 1094.718 $\pm$ 0.182 χ^2 /NDF: 23582.7/31

Left Out: 1120.543 $\pm$ 0.188 χ^2 /NDF:10252.7/23

Right Out: 1102.511 $\pm$ 0.177 χ^2 /NDF: 30496.5/35

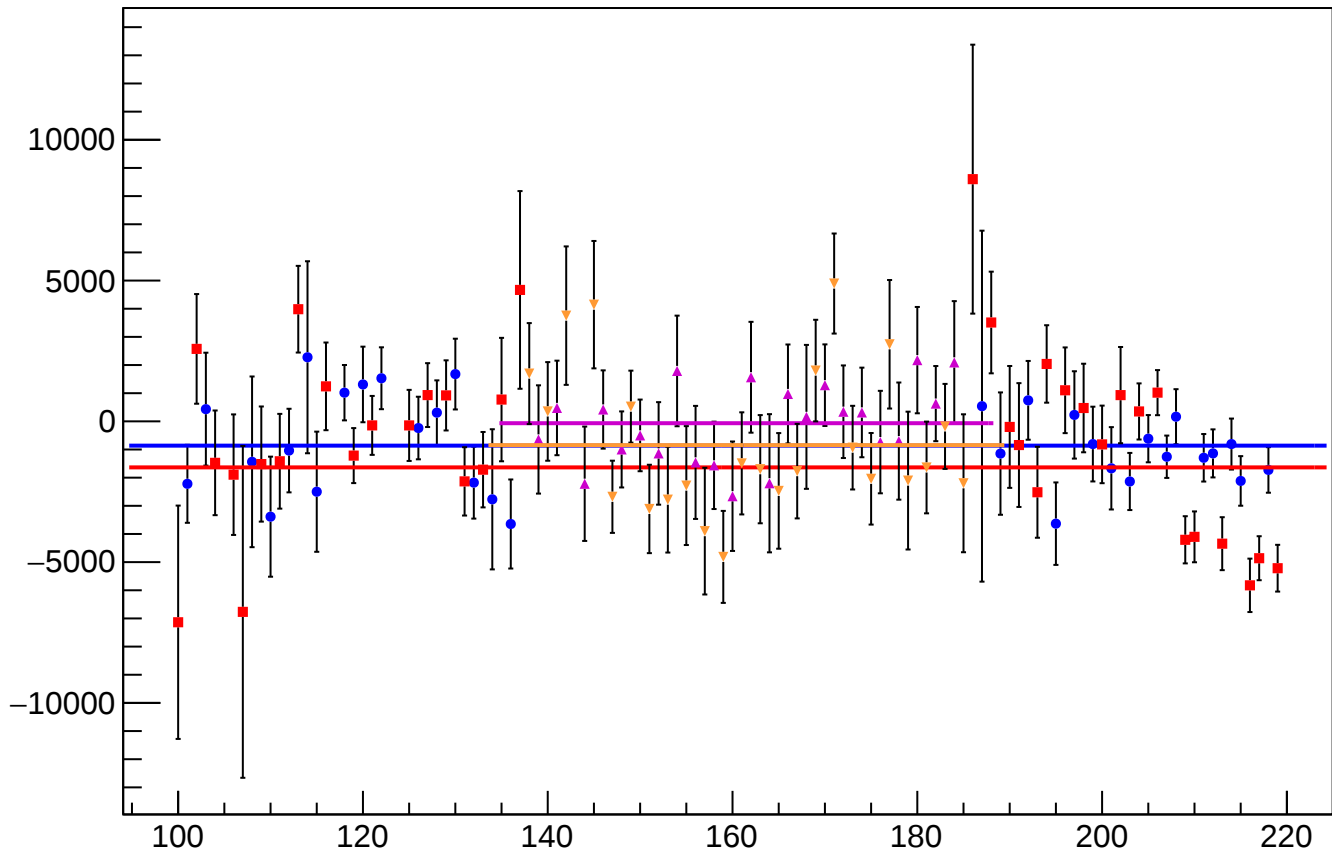
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

+ sign 1107.171 $\pm$ 0.131 χ^2 /NDF: 43577.1/55

All: 1109.162 $\pm$ 0.092 χ^2 /NDF: 89259.6/114

- sign 1111.107 $\pm$ 0.129 χ^2 /NDF: 45224.0/58

asym_usl_correction_mean vs Slug



Right In: -862.870 ± 211.567 χ^2/NDF : 37.8/31

Left Out: -845.009 ± 361.141 χ^2/NDF : 43.2/23

Right Out: -1635.145 ± 214.383 χ^2/NDF : 165.2/35

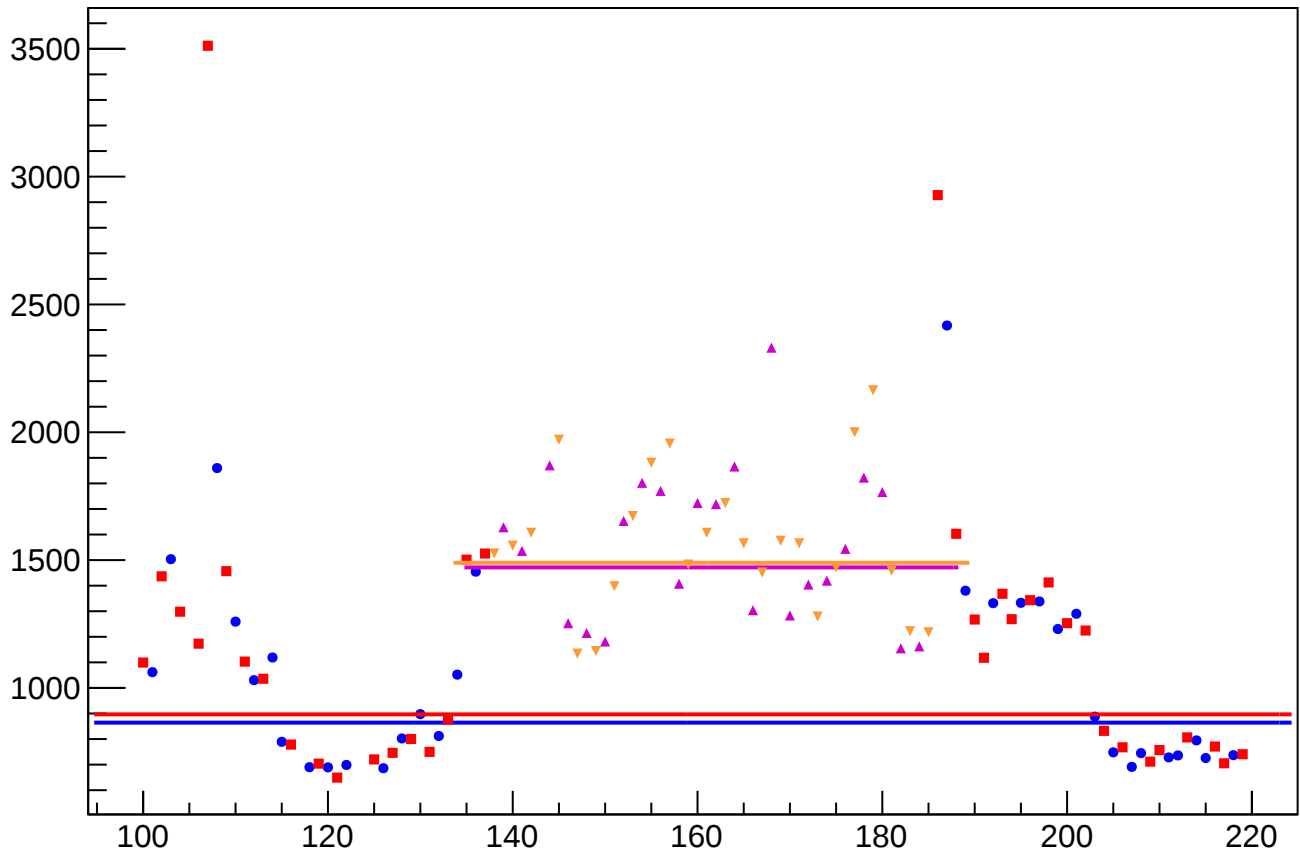
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -858.306 ± 182.549 χ^2/NDF : 81.1/55

All: -1038.798 ± 129.603 χ^2/NDF : 274.5/114

- sign -1222.236 ± 184.032 χ^2/NDF : 191.4/58

asym_usl_correction_rms vs Slug



Right In: 864.281+/-0.150 χ^2/NDF : 2618393.6/31

Left Out: 1489.507+/-0.255 χ^2/NDF : 1009228.3/23

Right Out: 896.567+/-0.152 χ^2/NDF : 3517888.3/35

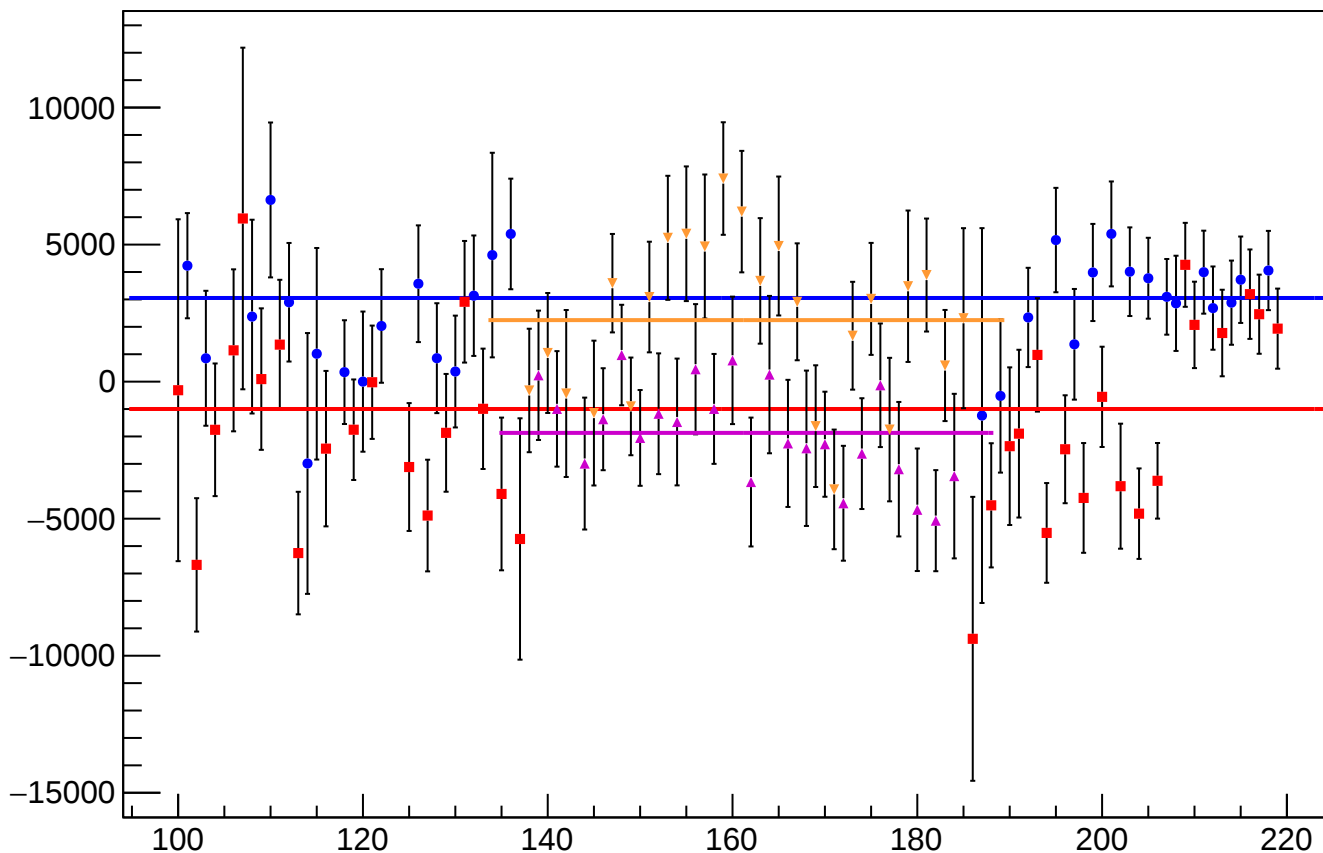
Left In: 1471.394+/-0.254 χ^2/NDF : 1105310.5/22

+ sign 1024.031+/-0.129 χ^2/NDF : 8090459.8/55

All: 1035.821+/-0.092 χ^2/NDF : 16513535.2/100

- sign 1047.804+/-0.130 χ^2/NDF : 8406253.7/58

asym_usl_mean vs Slug



Right In: 3052.158+/-347.007 χ^2/NDF : 20.5/31

Left Out: 2244.415+/-456.474 χ^2/NDF :38.6/23

Right Out: -997.915+/-345.799 χ^2/NDF : 86.0/35

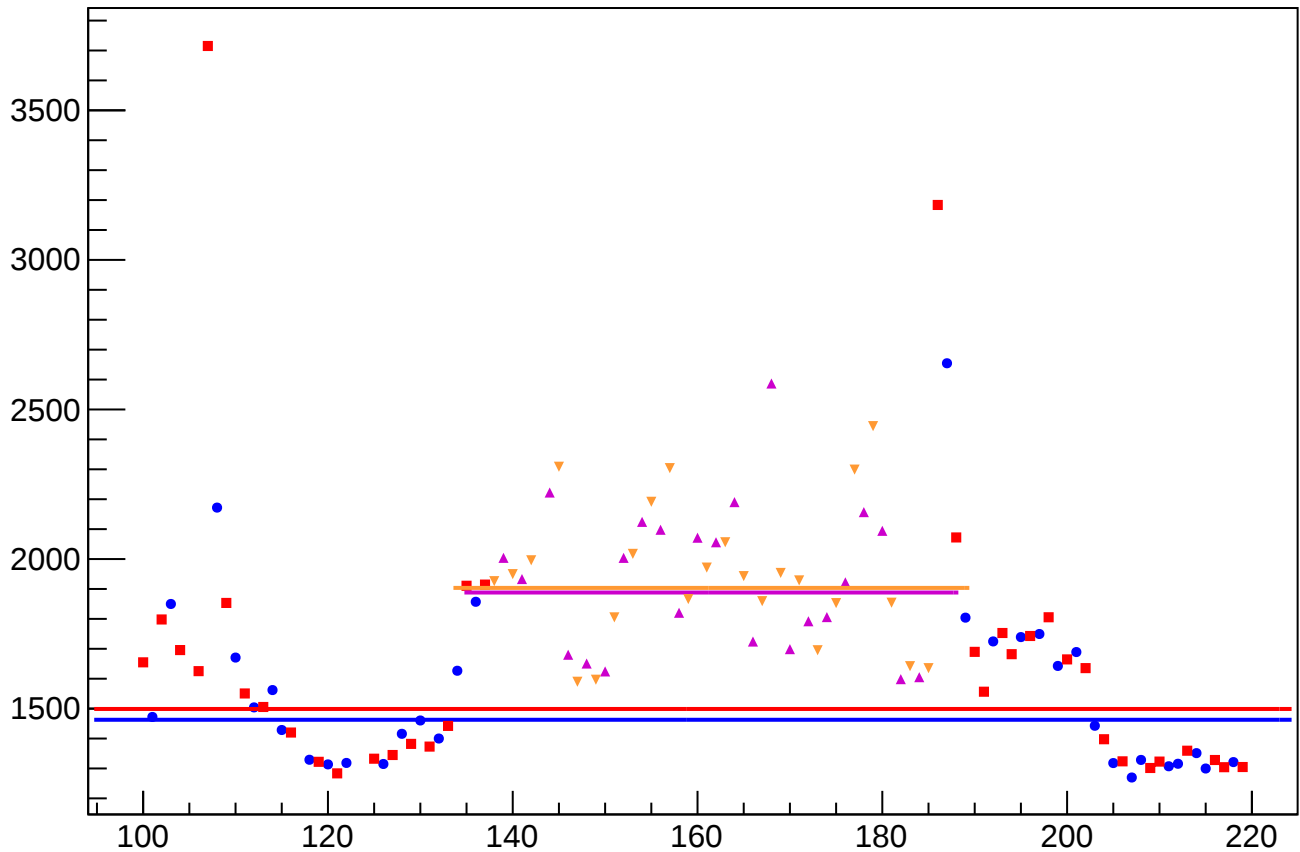
Left In: -1869.792+/-455.465 χ^2/NDF :14.9/22

+ sign 2756.329+/-276.249 χ^2/NDF : 61.1/55

All: 713.653+/-195.042 χ^2/NDF : 273.3/114

- sign -1316.717+/-275.415 χ^2/NDF : 103.2/58

asym_usl_rms vs Slug



Right In: 1462.741 $\pm$ 0.245 χ^2 /NDF: 686591.3/31

Left Out: 1903.581 $\pm$ 0.323 χ^2 /NDF: 461788.9/23

Right Out: 1498.878 $\pm$ 0.245 χ^2 /NDF: 1186257.5/35

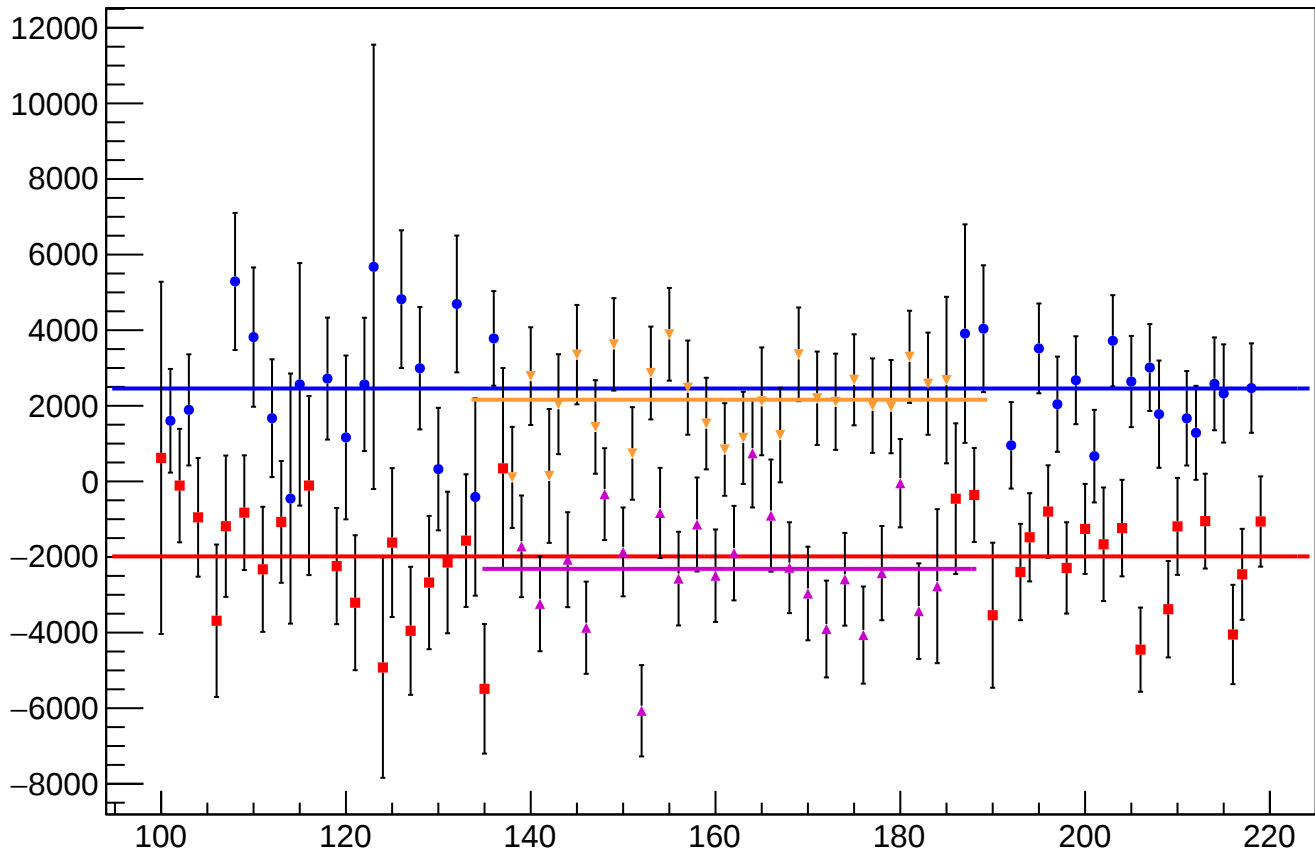
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

+ sign 1624.195 $\pm$ 0.195 χ^2 /NDF: 2330557.1/55

All: 1632.726 $\pm$ 0.138 χ^2 /NDF: 4951782.6/11

- sign 1641.205 $\pm$ 0.195 χ^2 /NDF: 2617422.4/58

reg_asym_usr_mean vs Slug



Right In: 2457.558 $\pm$ 256.785 χ^2 /NDF: 21.4/32

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

Right Out: -1984.123 $\pm$ 250.496 χ^2 /NDF: 28.1/35

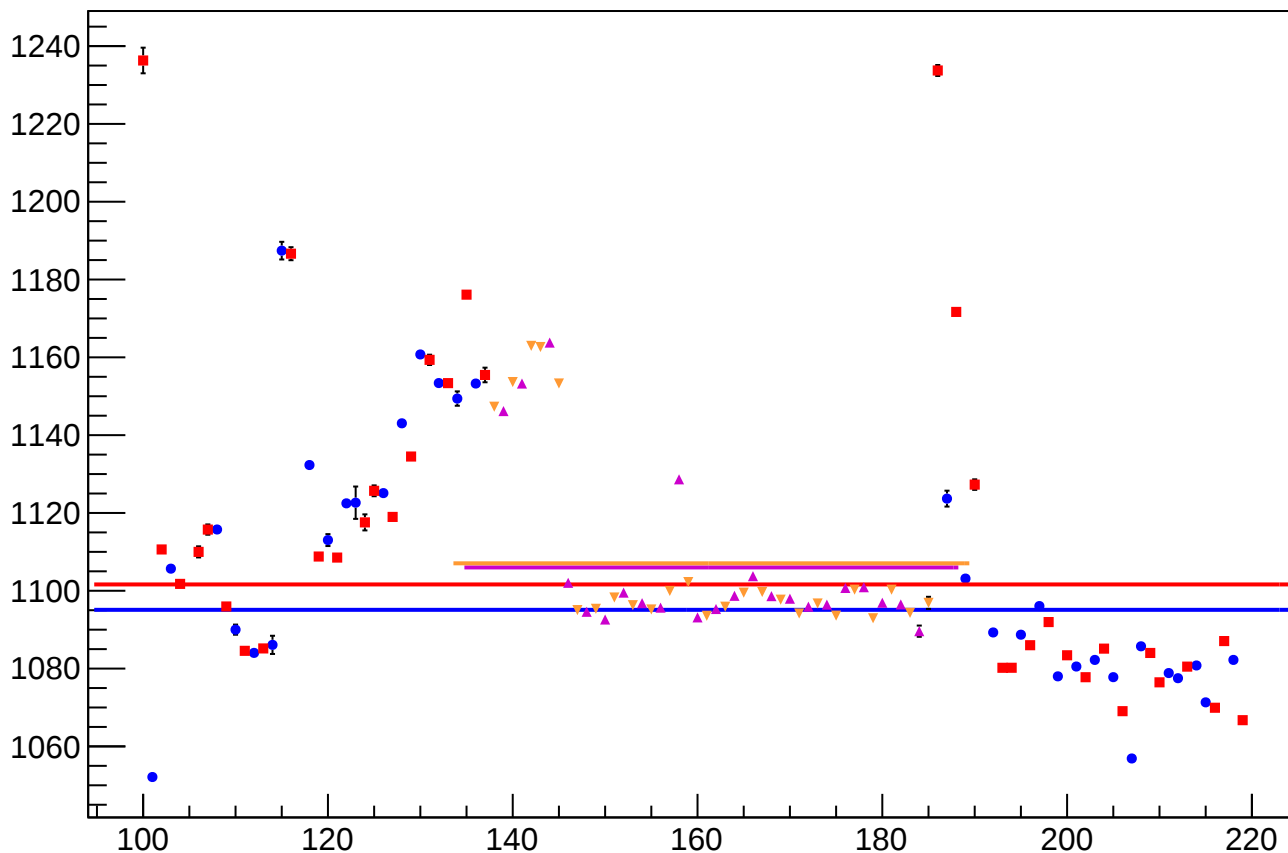
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2309.914 $\pm$ 181.833 χ^2 /NDF: 37.2/57

All: 85.255 $\pm$ 128.583 χ^2 /NDF: 396.8/116

- sign -2139.908 $\pm$ 181.854 χ^2 /NDF: 60.2/58

reg_asym_usr_rms vs Slug



Right In: 1095.101 $\pm$ 0.182 χ^2 /NDF: 24596.5/32

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

Right Out: 1101.628 $\pm$ 0.177 χ^2 /NDF: 39579.0/35

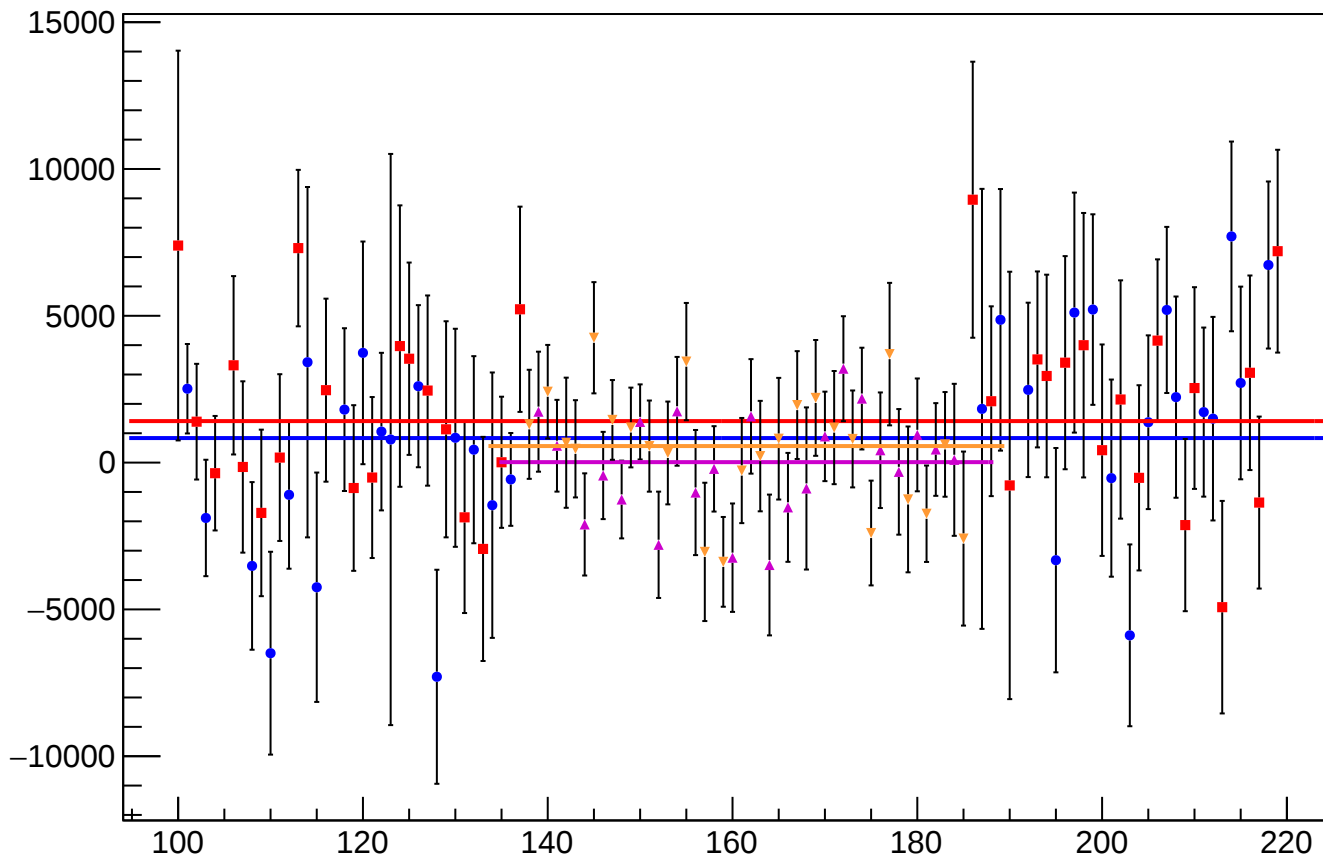
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1101.062 $\pm$ 0.129 χ^2 /NDF: 41933.7/57

All: 1102.378 $\pm$ 0.091 χ^2 /NDF: 93561.3/116

- sign 1103.694 $\pm$ 0.129 χ^2 /NDF: 51418.0/58

asym_usr_correction_mean vs Slug



Right In: 835.624 ± 515.874 χ^2/NDF : 41.5/32

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

Right Out: 1413.442 ± 520.634 χ^2/NDF : 28.7/35

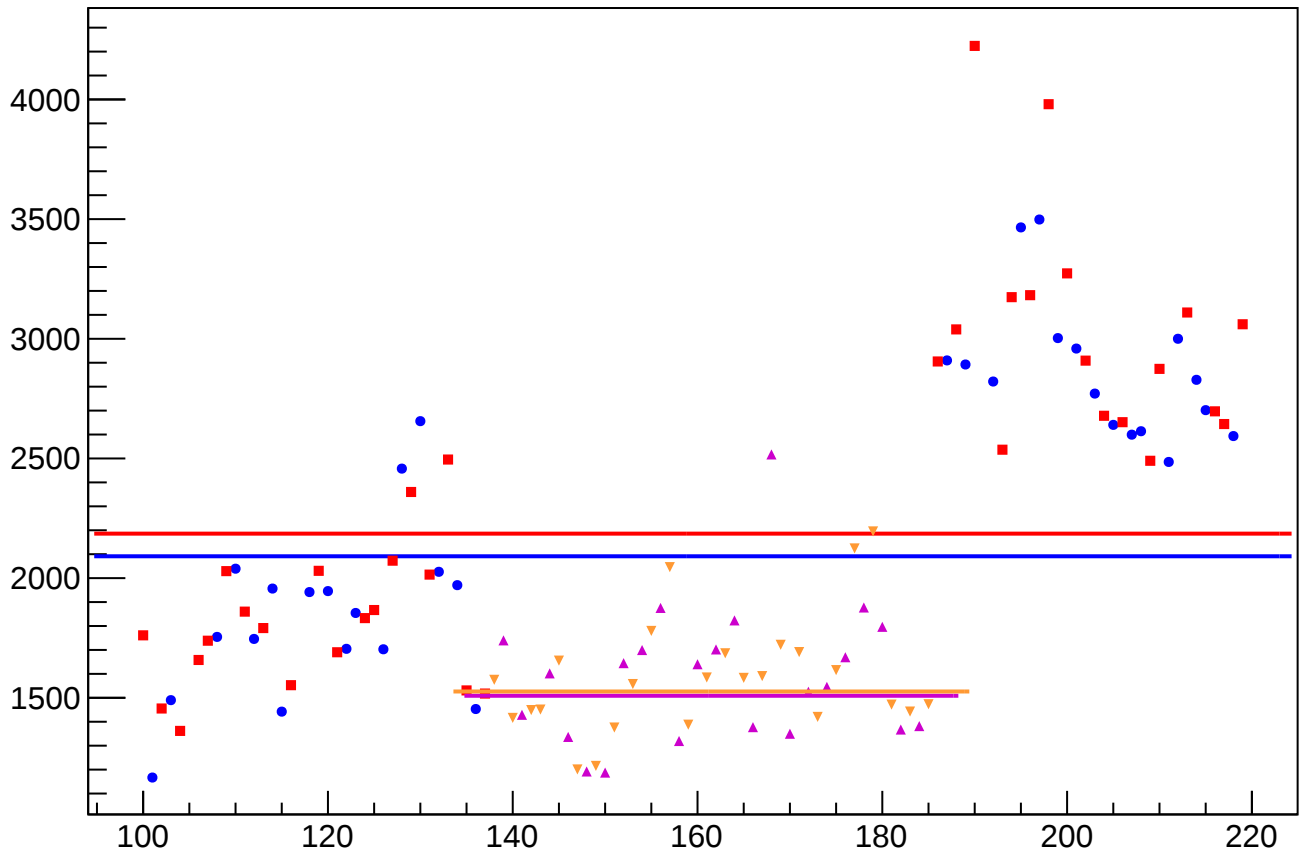
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 652.774 ± 295.718 χ^2/NDF : 68.5/57

All: 567.259 ± 210.562 χ^2/NDF : 122.3/116

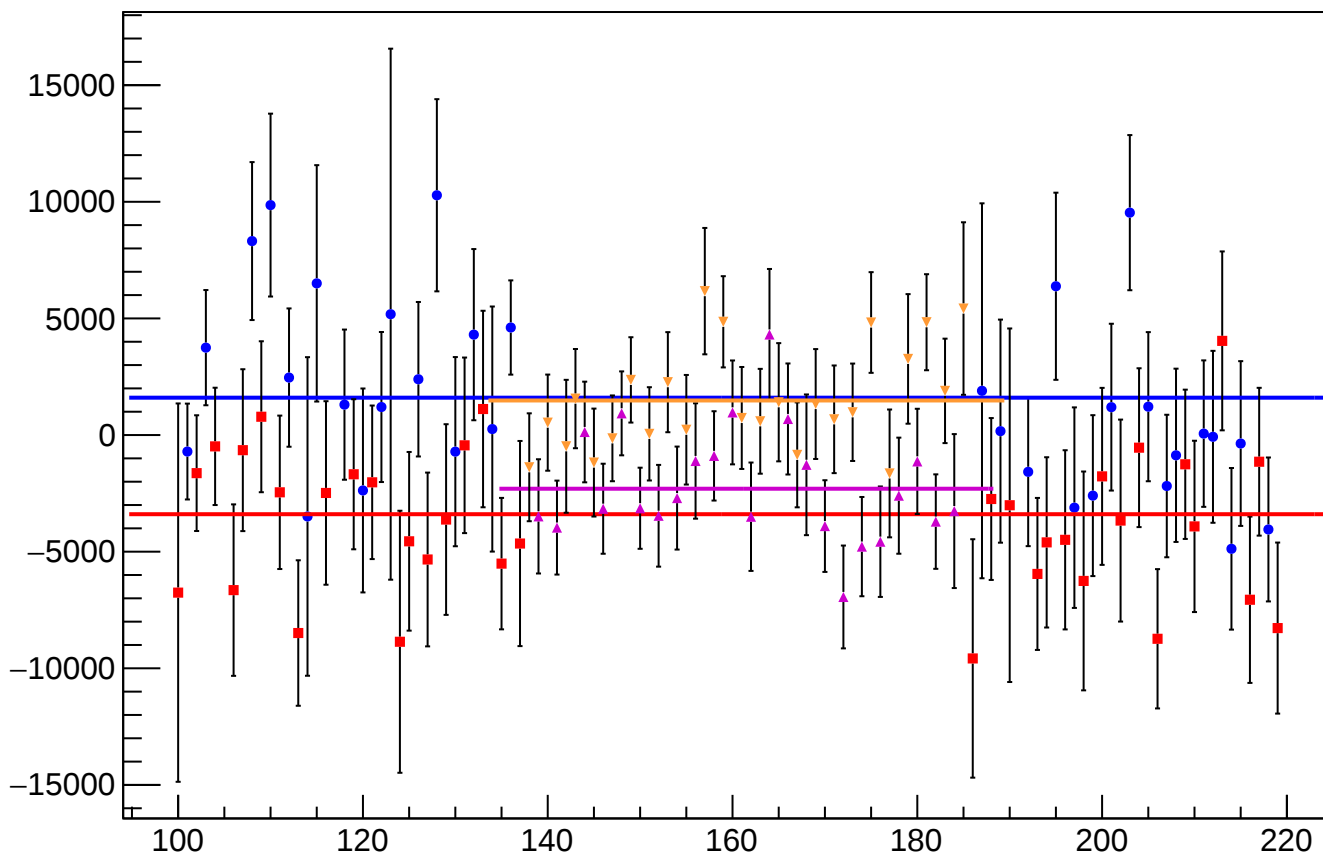
- sign 479.317 ± 299.885 χ^2/NDF : 53.6/58

asym_usr_correction_rms vs Slug



Right In: 2091.333+/-0.365	χ^2/NDF : 3211988.4/32	+ sign 1712.032+/-0.209	χ^2/NDF : 5576089.5/57
Left Out: 1526.391+/-0.255	χ^2/NDF : 753714.4/24	All: 1722.521+/-0.149	χ^2/NDF : 11864528.7/1
Right Out: 2185.928+/-0.368	χ^2/NDF : 3089564.0/35	- sign 1733.308+/-0.212	χ^2/NDF : 6283335.3/58
Left In: 1508.581+/-0.259	χ^2/NDF : 931684.8/22		

asym_usr_mean vs Slug



Right In: 1602.084 $\pm$ 598.170 χ^2 /NDF: 41.1/32

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

Right Out: -3393.531 $\pm$ 596.693 χ^2 /NDF: 26.4/35

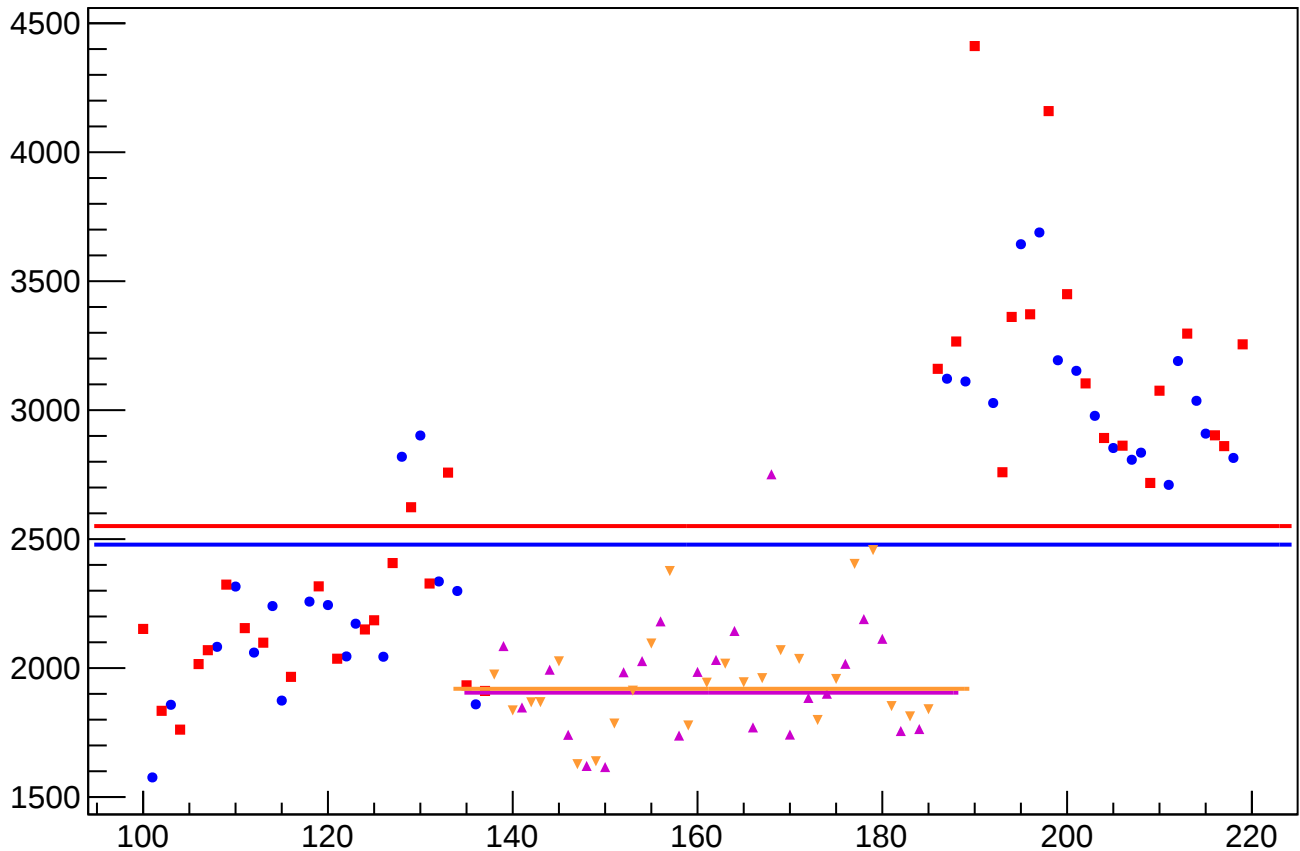
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1525.631 $\pm$ 359.595 χ^2 /NDF: 62.0/57

All: -566.064 $\pm$ 255.757 χ^2 /NDF: 183.8/116

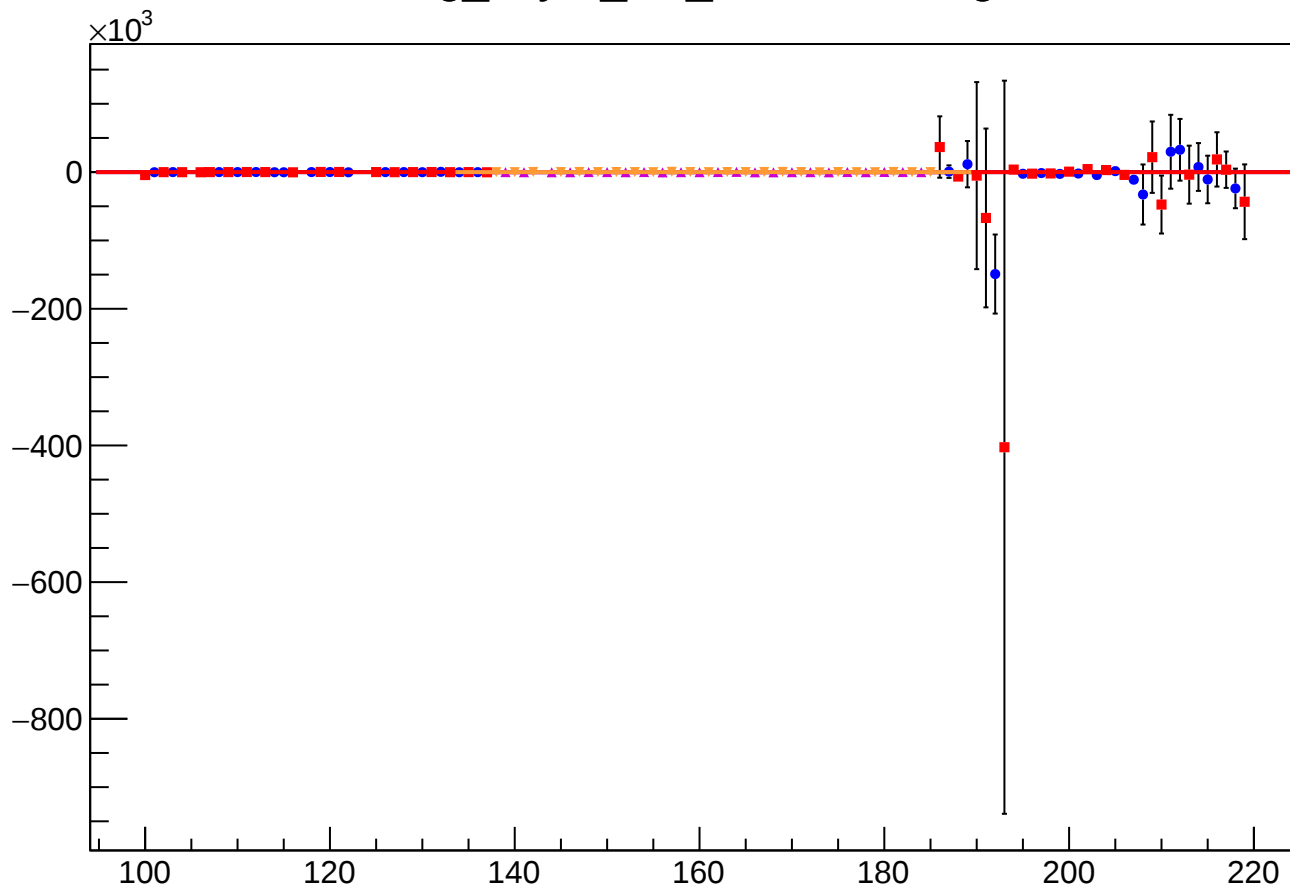
- sign -2707.351 $\pm$ 363.833 χ^2 /NDF: 53.3/58

asym_usr_rms vs Slug



Right In: 2478.616+/-0.423	χ^2/NDF : 1826355.2/32	+ sign 2121.708+/-0.254	χ^2/NDF : 3307532.8/57
Left Out: 1919.732+/-0.318	χ^2/NDF : 366218.1/24	All: 2133.109+/-0.181	χ^2/NDF : 7136335.3/11
Right Out: 2550.559+/-0.422	χ^2/NDF : 1905064.0/35	- sign 2144.781+/-0.257	χ^2/NDF : 3824733.6/58
Left In: 1904.629+/-0.325	χ^2/NDF : 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -2.385 ± 36.762 χ^2/NDF : 33.7/31

Left Out: 12.260 ± 26.260 χ^2/NDF : 35.9/23

Right Out: -1.854 ± 36.747 χ^2/NDF : 21.8/35

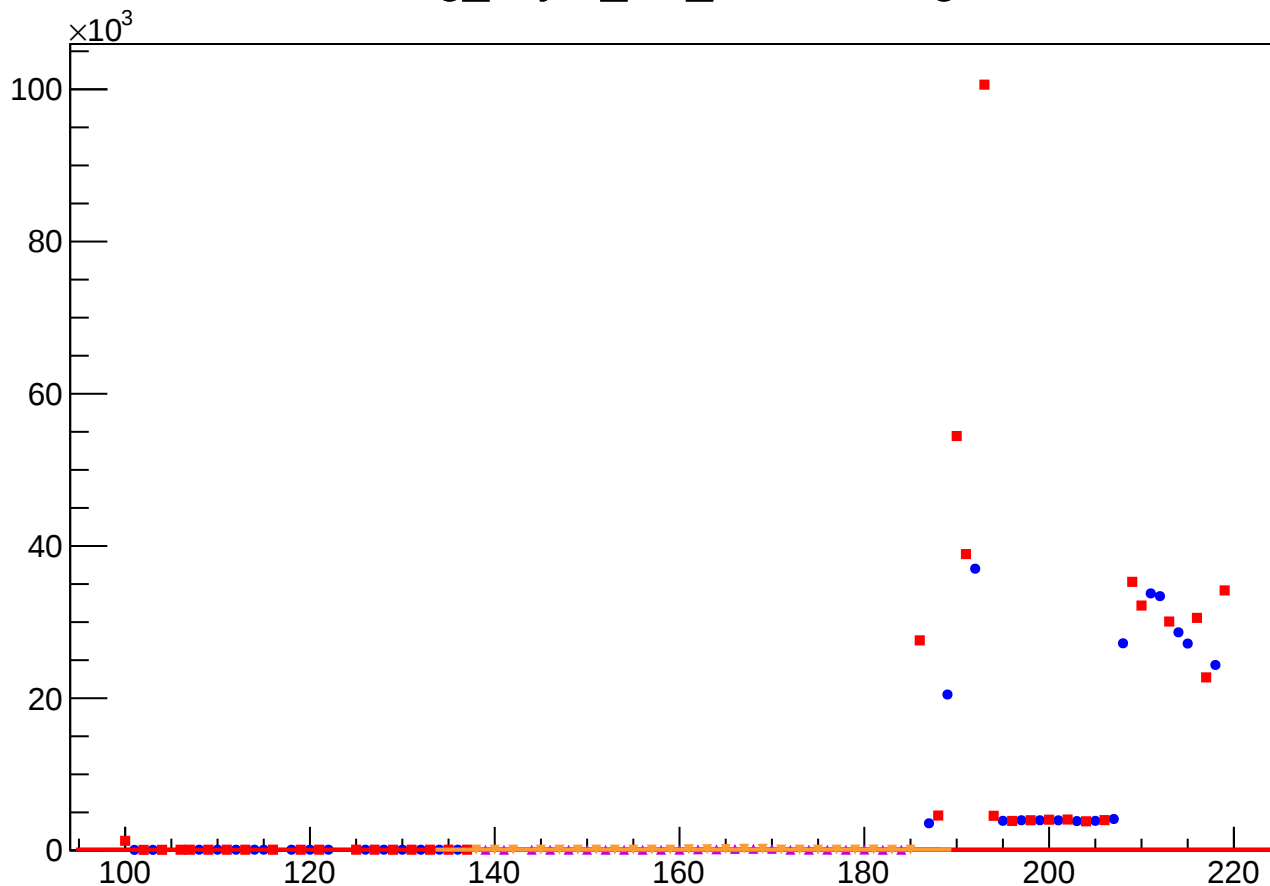
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.312 ± 21.368 χ^2/NDF : 69.6/55

All: -4.821 ± 15.124 χ^2/NDF : 128.7/114

- sign -17.002 ± 21.410 χ^2/NDF : 58.4/58

reg_asym_dsl_rms vs Slug



Right In: 96.193 $\pm$ 0.026 χ^2 /NDF: 19410218.6/31

Left Out: 108.059 $\pm$ 0.019 χ^2 /NDF:1434979.3/23

Right Out: 98.378 $\pm$ 0.026 χ^2 /NDF: 18970059.7/35

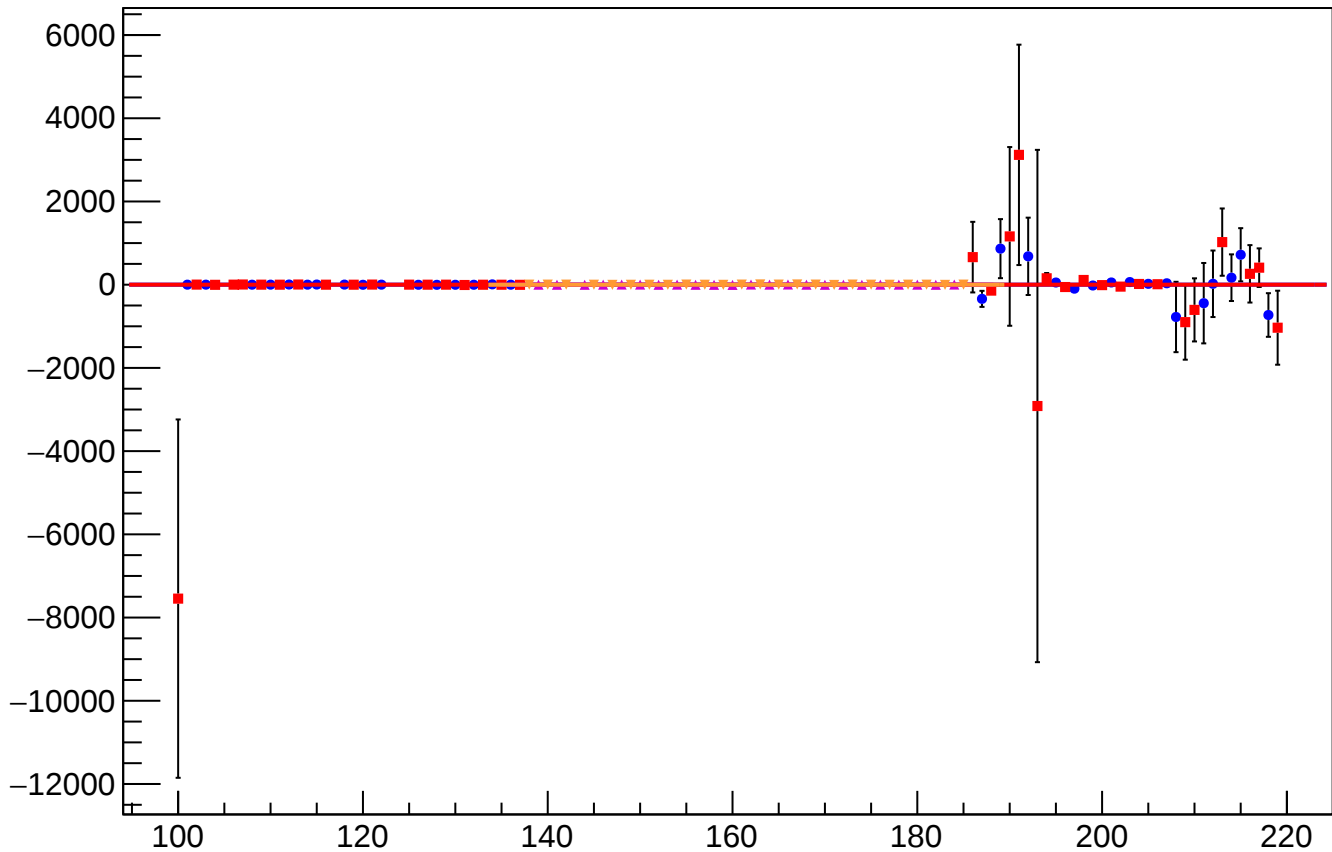
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF:1491034.7/22

+ sign 104.050 $\pm$ 0.015 χ^2 /NDF: 20983174.4/55

All: 104.283 $\pm$ 0.011 χ^2 /NDF: 41529259.7/11

- sign 104.517 $\pm$ 0.015 χ^2 /NDF: 20545608.8/58

asym_dsl_correction_mean vs Slug



Right In: 0.397 $\pm$ 0.617 χ^2 /NDF: 23.8/31

Left Out: -0.534 $\pm$ 0.475 χ^2 /NDF:30.5/23

Right Out: 0.347 $\pm$ 0.644 χ^2 /NDF: 35.2/35

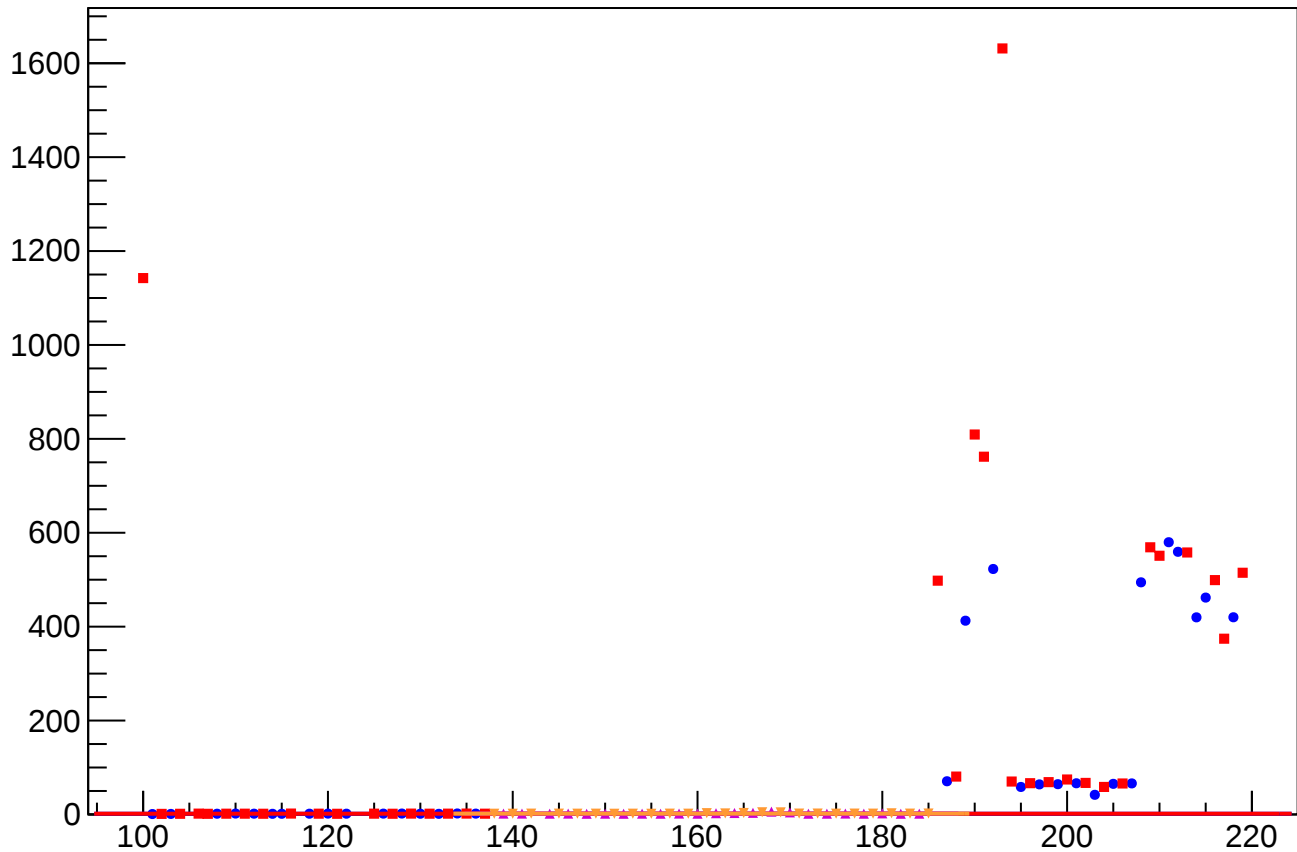
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF:25.0/22

+ sign -0.188 $\pm$ 0.376 χ^2 /NDF: 55.7/55

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 116.4/114

- sign 0.168 $\pm$ 0.387 χ^2 /NDF: 60.3/58

asym_dsl_correction_rms vs Slug



Right In: 1.452 $\pm$ 0.000 χ^2 /NDF: 16884456.6/31

Left Out: 1.771 $\pm$ 0.000 χ^2 /NDF:1599621.6/23

Right Out: 1.587 $\pm$ 0.000 χ^2 /NDF: 16728623.8/35

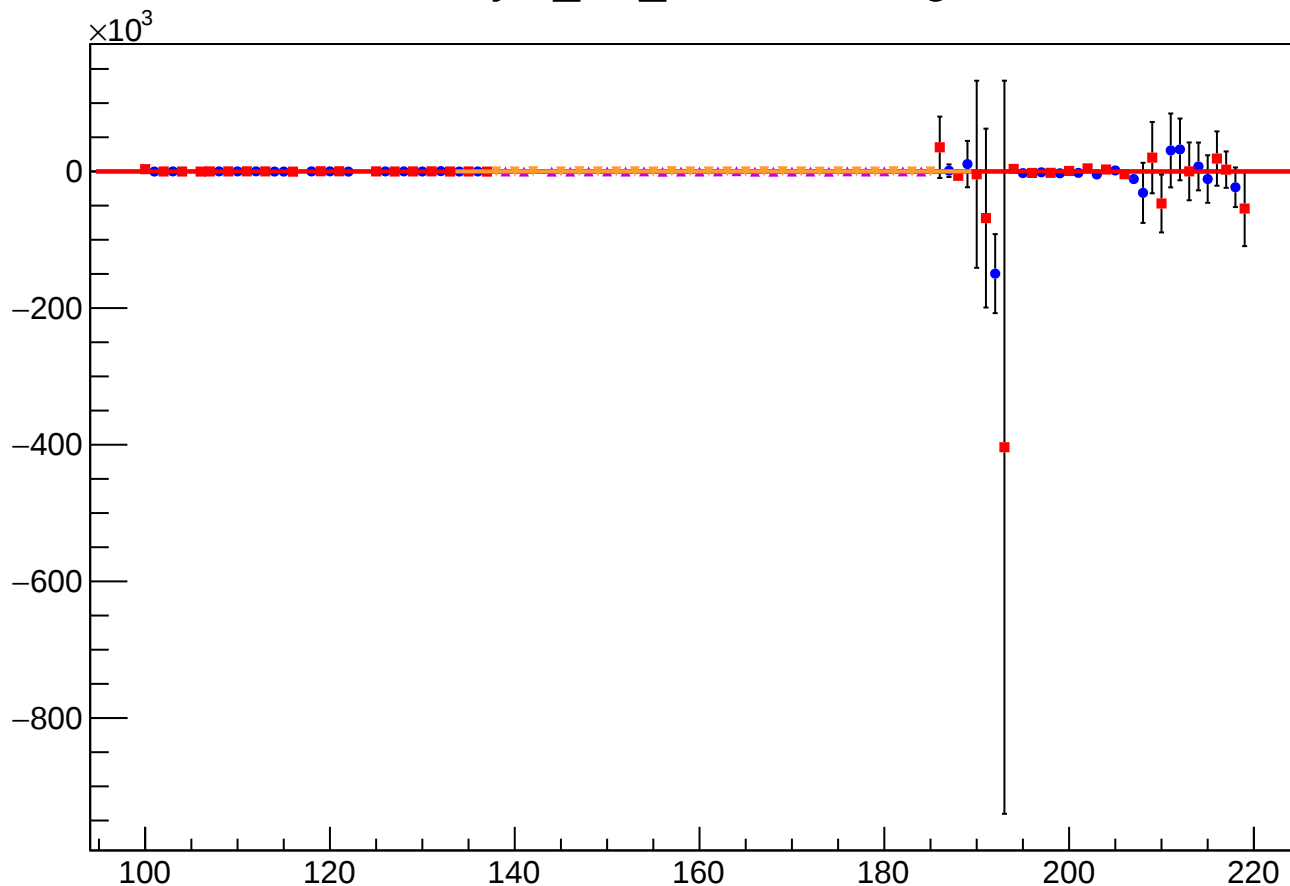
Left In: 1.802 $\pm$ 0.000 χ^2 /NDF:1921298.2/22

+ sign 1.652 $\pm$ 0.000 χ^2 /NDF: 18820465.5/55

All: 1.687 $\pm$ 0.000 χ^2 /NDF: 37649315.3/114

- sign 1.724 $\pm$ 0.000 χ^2 /NDF: 18793316.6/58

asym_dsl_mean vs Slug



Right In: -2.097 ± 36.771 χ^2/NDF : 33.9/31

Left Out: 12.948 ± 26.268 χ^2/NDF : 35.7/23

Right Out: -1.623 ± 36.757 χ^2/NDF : 21.5/35

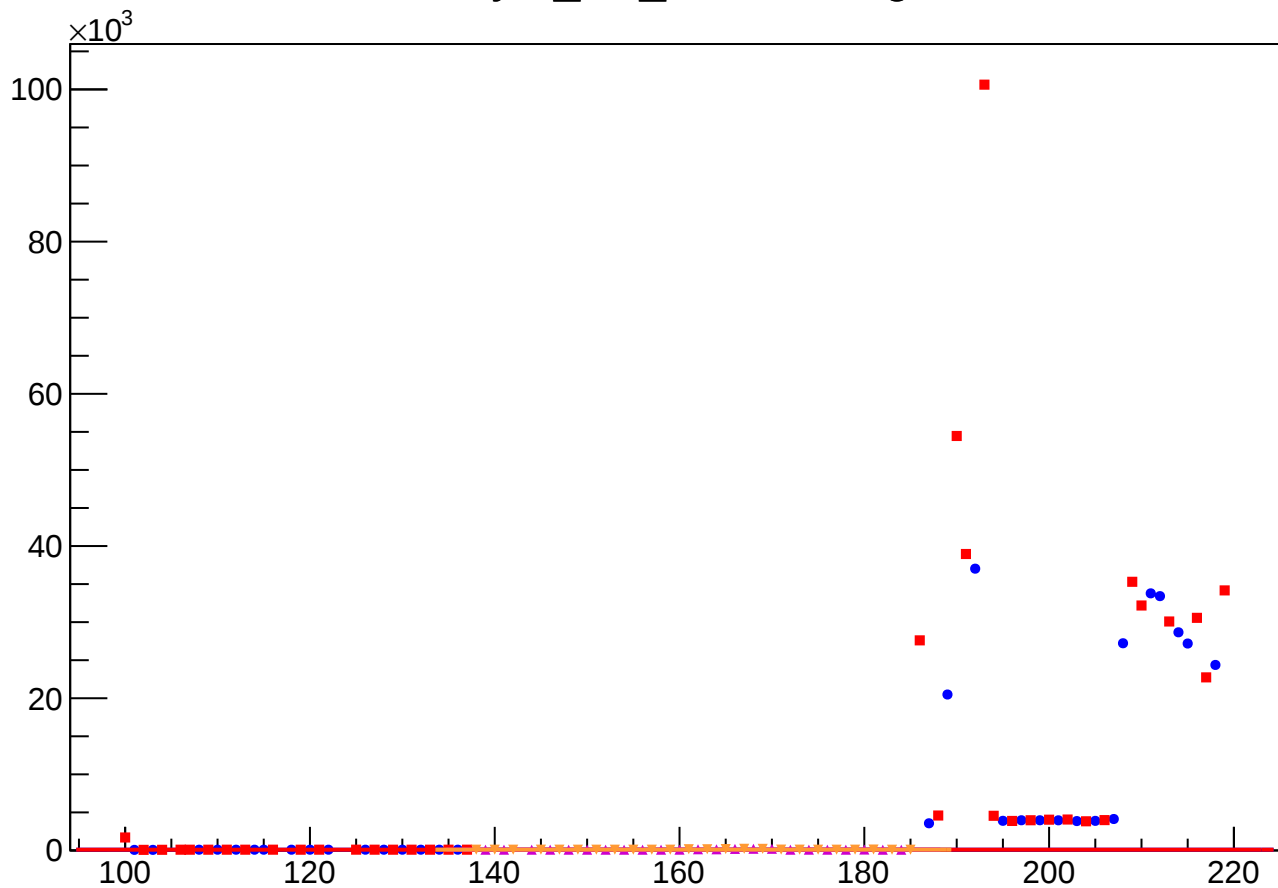
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.864 ± 21.374 χ^2/NDF : 69.7/55

All: -4.678 ± 15.129 χ^2/NDF : 127.9/114

- sign -17.270 ± 21.416 χ^2/NDF : 57.4/58

asym_dsl_rms vs Slug



Right In: 96.218 $\pm$ 0.026 χ^2 /NDF: 19410201.3/31

Left Out: 108.090 $\pm$ 0.019 χ^2 /NDF: 1436368.7/23

Right Out: 98.387 $\pm$ 0.026 χ^2 /NDF: 18975354.6/35

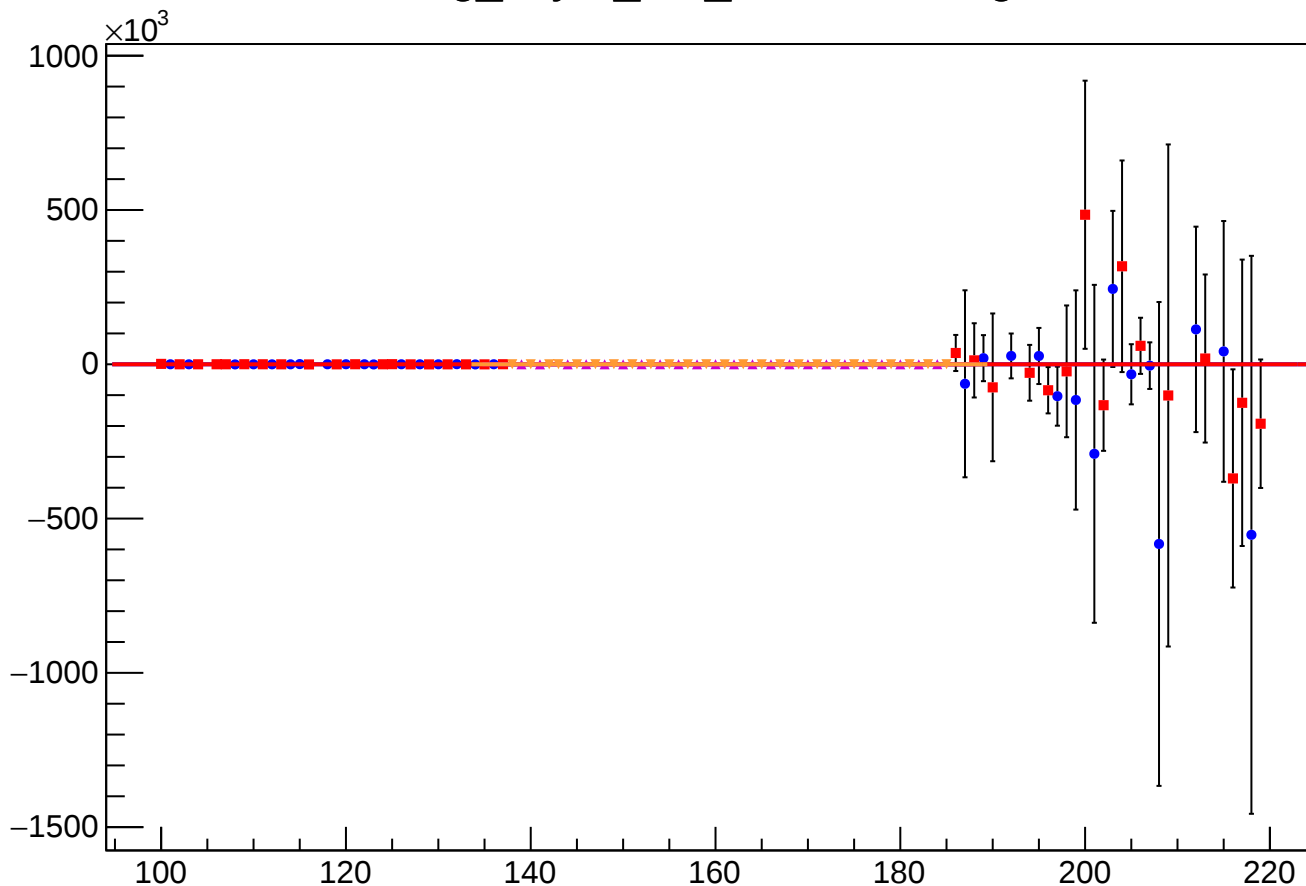
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.079 $\pm$ 0.015 χ^2 /NDF: 20984610.8/55

All: 104.309 $\pm$ 0.011 χ^2 /NDF: 41537624.8/11

- sign 104.541 $\pm$ 0.015 χ^2 /NDF: 20552548.2/58

reg_asym_dsr_mean vs Slug



Right In: -26.803 ± 46.841 χ^2/NDF : 18.4/30

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

Right Out: -53.407 ± 47.775 χ^2/NDF : 22.7/33

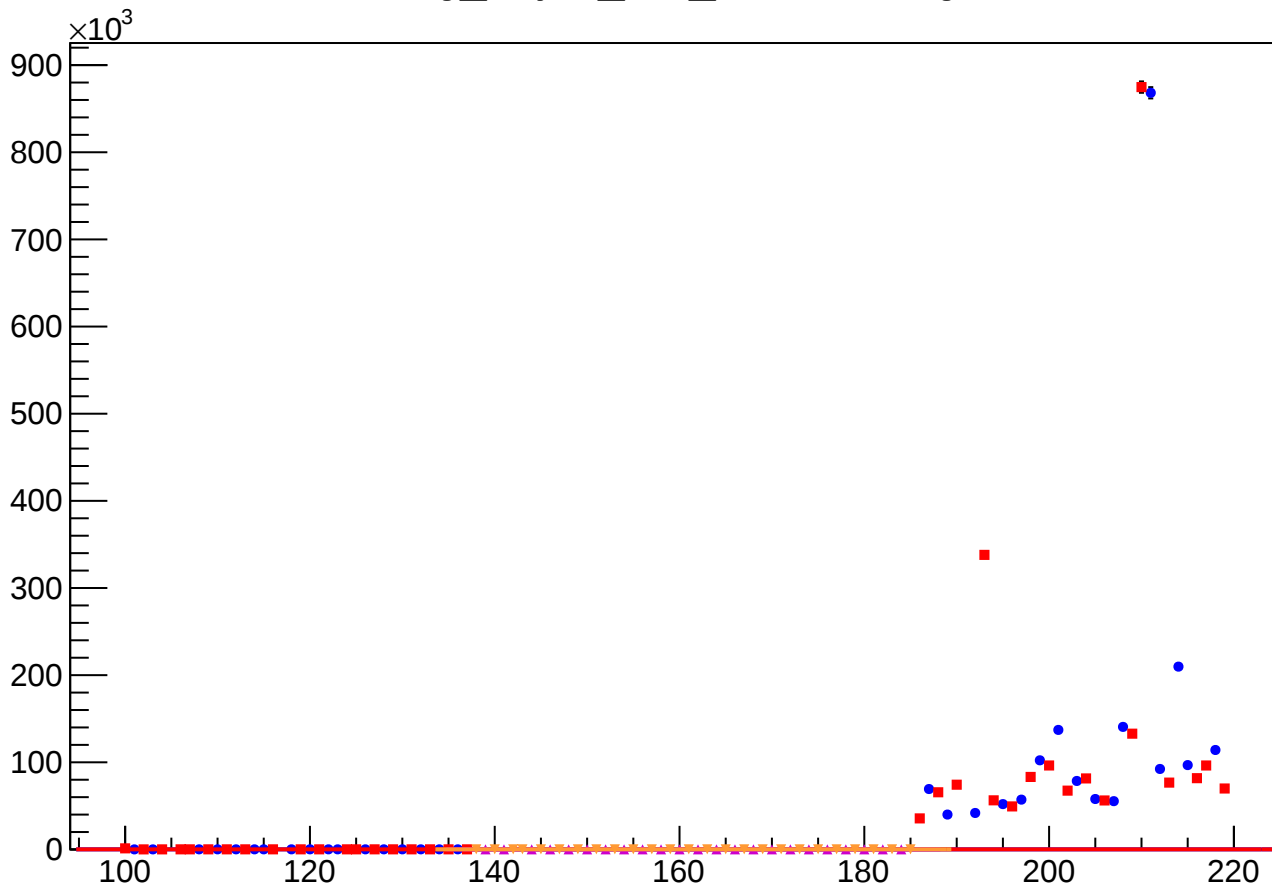
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.288 ± 26.458 χ^2/NDF : 30.5/55

All: 4.342 ± 18.939 χ^2/NDF : 78.0/112

- sign 27.069 ± 27.121 χ^2/NDF : 46.1/56

reg_asym_dsr_rms vs Slug



Right In: 117.884+/-0.033 χ^2/NDF : 7081065.8/32

Left Out: 137.856+/-0.023 $\chi^2/\text{NDF}: 443.5/24$

Right Out: 124.849 ± 0.034 $\chi^2/\text{NDF}: 7039142.2/35$

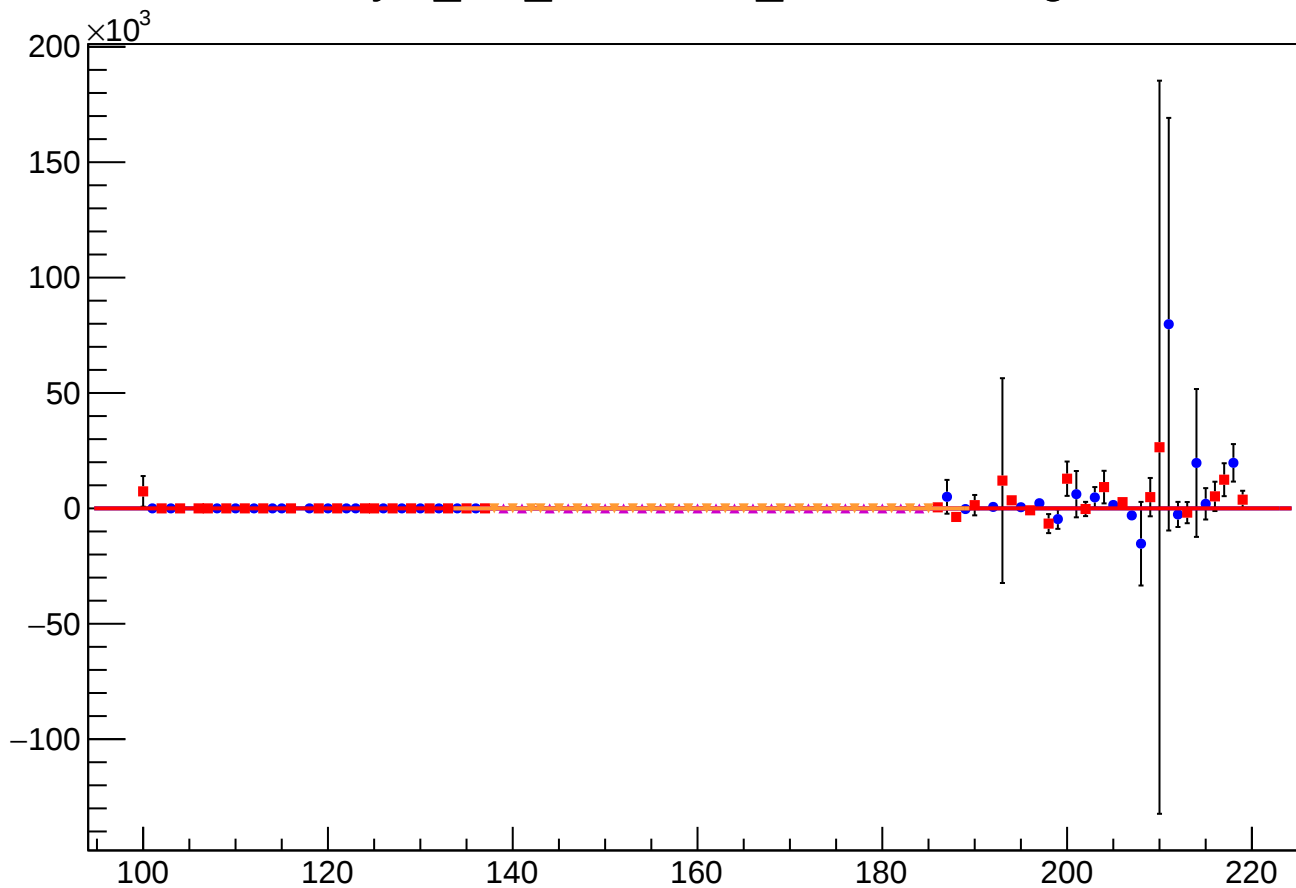
Left In: 137.804+/-0.023 χ^2/NDF :460.3/22

+ sign 131.484+/-0.019 χ^2/NDF : 7329121.7/57

All: 132.530 ± 0.013 $\chi^2/\text{NDF}: 14474812.5/11$

- sign 133.629+/-0.019 χ^2/NDF : 7139279.1/58

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 31.4/32

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

Right Out: 0.639 ± 0.852 χ^2/NDF : 37.4/35

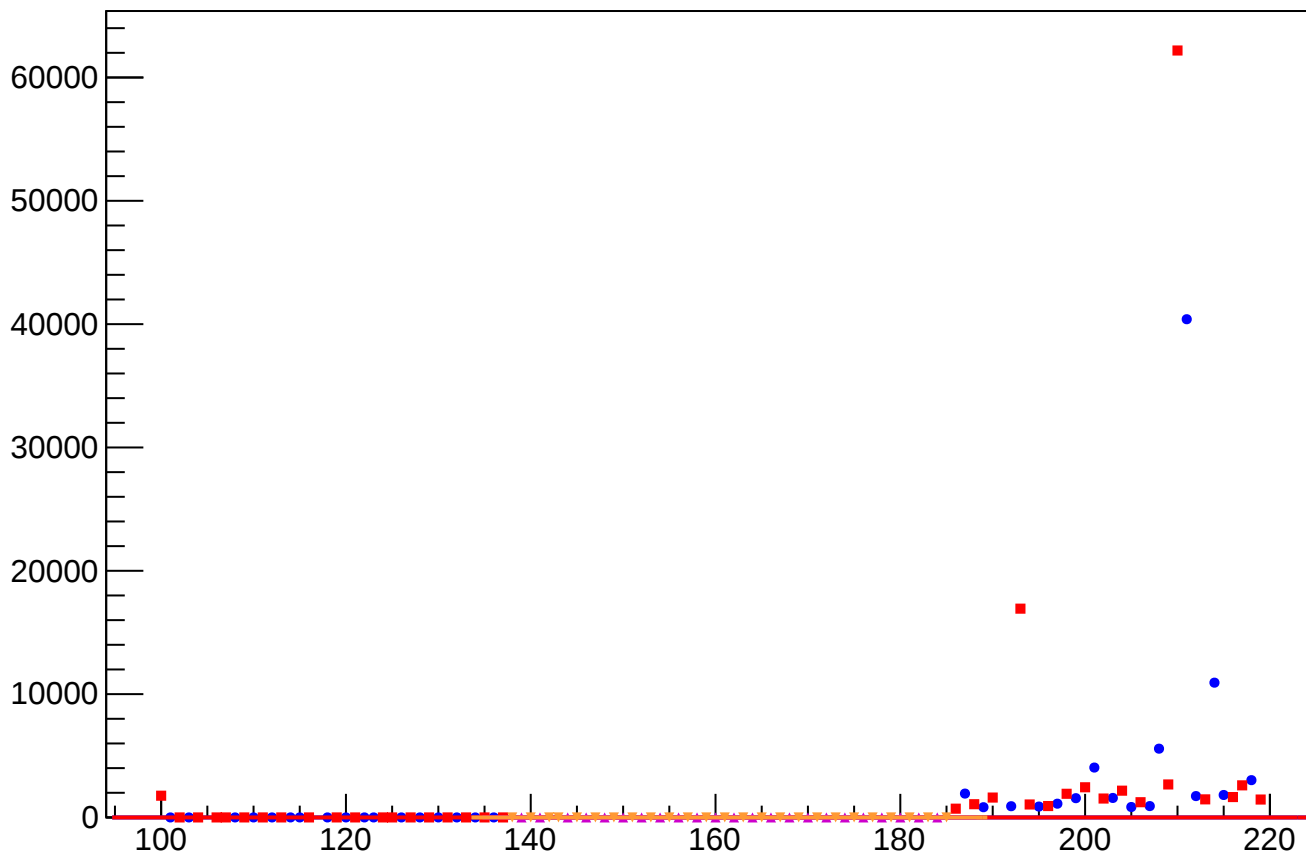
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 61.9/57

All: 0.046 ± 0.334 χ^2/NDF : 120.7/116

- sign 0.004 ± 0.479 χ^2/NDF : 58.9/58

asym_dsr_correction_rms vs Slug



Right In: 1.867 $\pm$ 0.001 χ^2 /NDF: 7083962.4/32

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

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 7474283.6/35

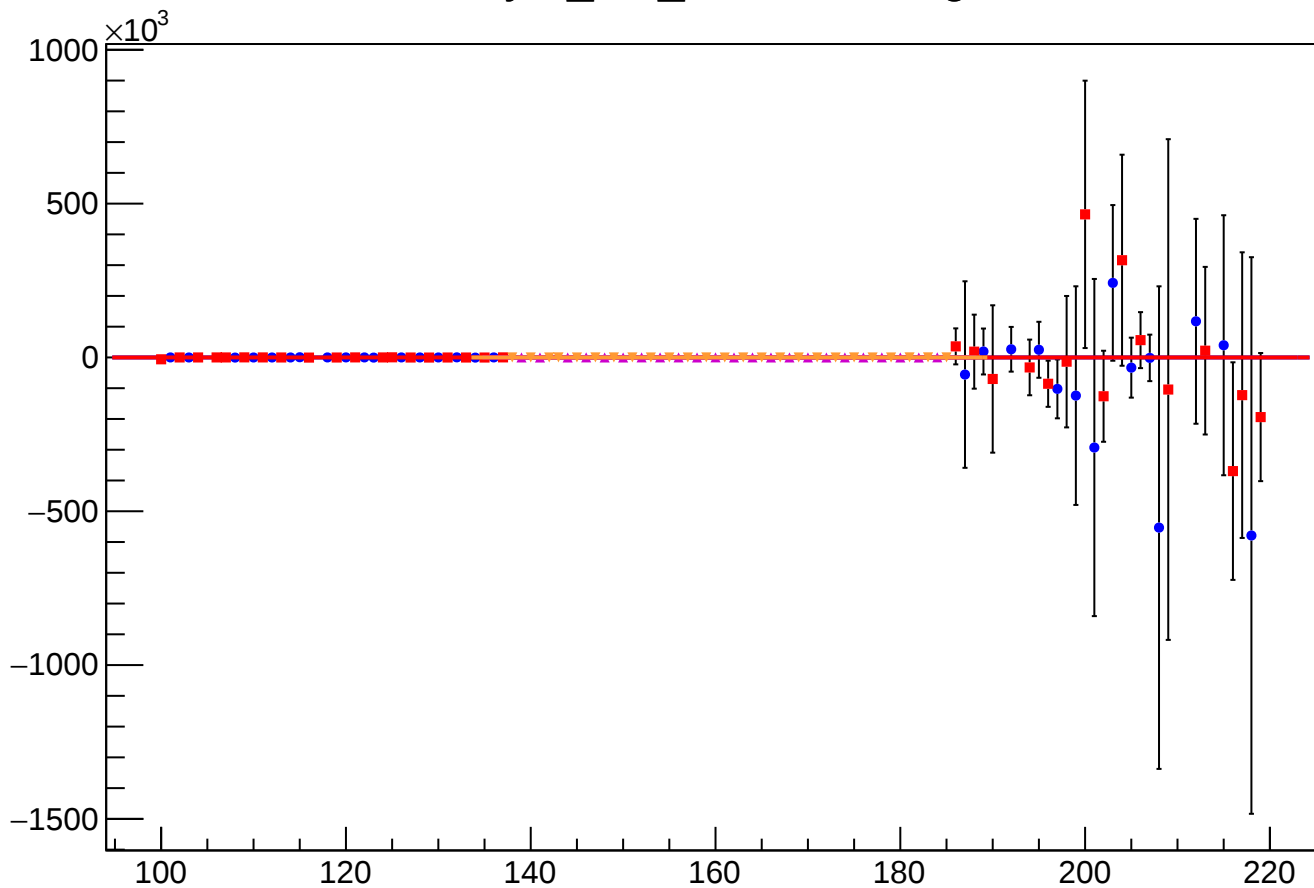
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 7776042.1/57

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 15794050.7/116

- sign 2.153 $\pm$ 0.000 χ^2 /NDF: 8015799.1/58

asym_dsr_mean vs Slug



Right In: -25.065 ± 46.854 χ^2/NDF : 18.4/30

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

Right Out: -54.310 ± 47.789 χ^2/NDF : 23.1/33

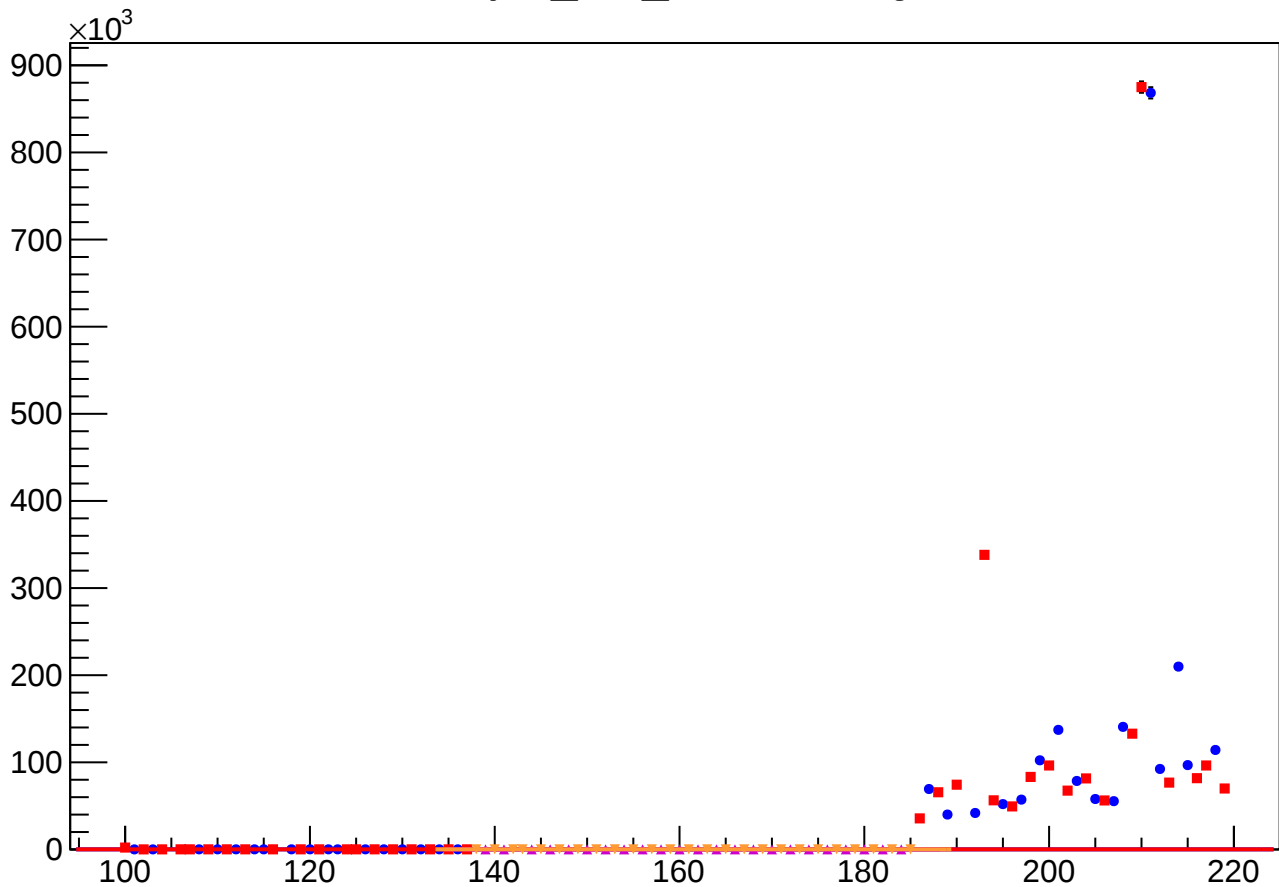
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.110 ± 26.465 χ^2/NDF : 30.3/55

All: 4.257 ± 18.944 χ^2/NDF : 78.3/112

- sign 26.708 ± 27.129 χ^2/NDF : 46.7/56

asym_dsr_rms vs Slug



Right In: 117.915 $\pm$ 0.033 χ^2 /NDF: 7081234.5/32

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

Right Out: 124.838 $\pm$ 0.034 χ^2 /NDF: 7049817.7/35

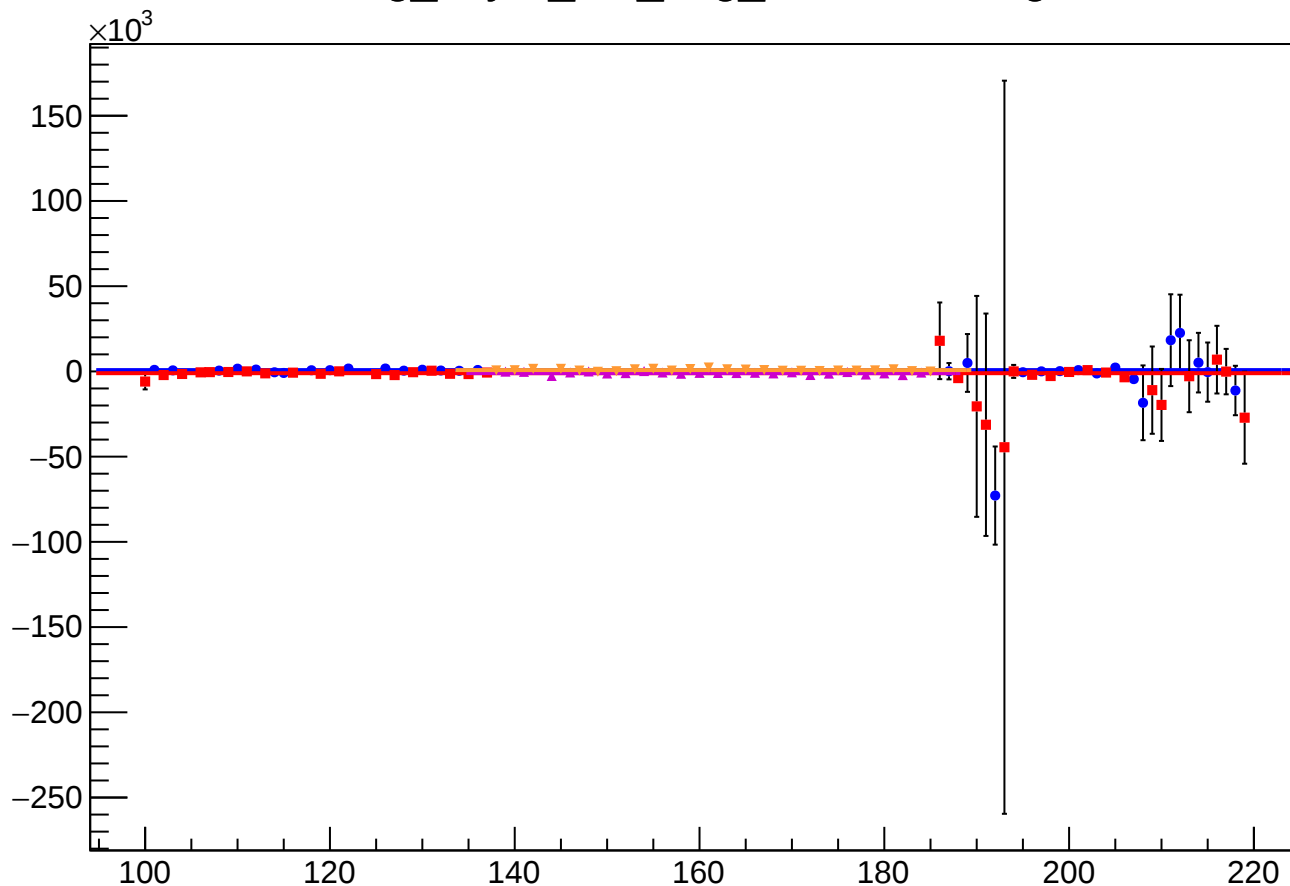
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.520 $\pm$ 0.019 χ^2 /NDF: 7329321.7/57

All: 132.560 $\pm$ 0.013 χ^2 /NDF: 14486311.4/1

- sign 133.652 $\pm$ 0.019 χ^2 /NDF: 7150662.1/58

reg_asym_left_avg_mean vs Slug



Right In: 766.778 $\pm$ 209.802 χ^2 /NDF: 21.7/31

Left Out: 784.371 $\pm$ 134.054 χ^2 /NDF:19.2/23

Right Out: -1040.143 $\pm$ 207.223 χ^2 /NDF: 20.7/35

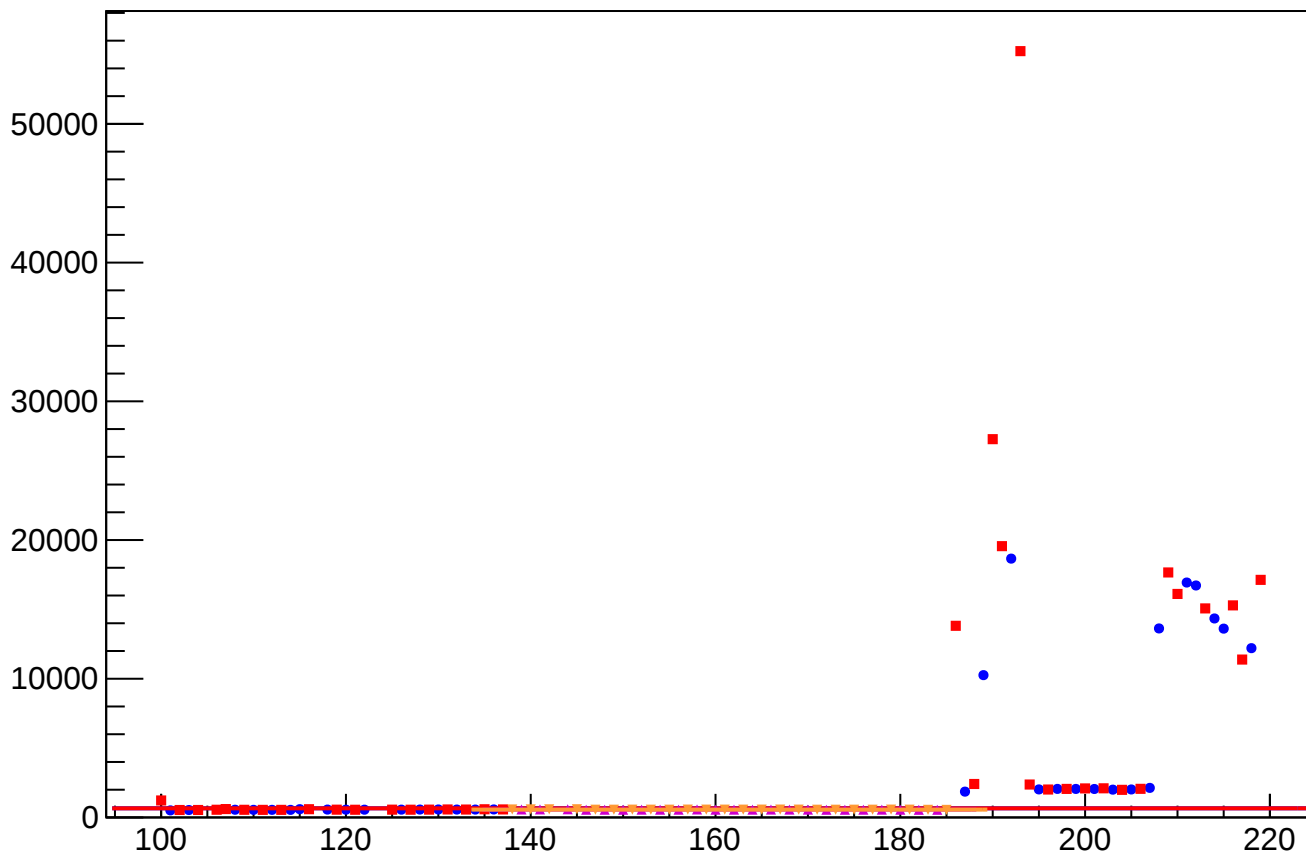
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF:27.4/22

+ sign 779.271 $\pm$ 112.963 χ^2 /NDF: 40.9/55

All: -106.486 $\pm$ 79.916 χ^2 /NDF: 212.3/114

- sign -993.976 $\pm$ 113.074 χ^2 /NDF: 48.3/58

reg_asym_left_avg_rms vs Slug



Right In: 660.501+/-0.148 χ^2/NDF : 13304545.7/31

Left Out: 564.143+/-0.095 χ^2/NDF : 9594.1/23

Right Out: 658.198+/-0.147 χ^2/NDF : 13208247.0/35

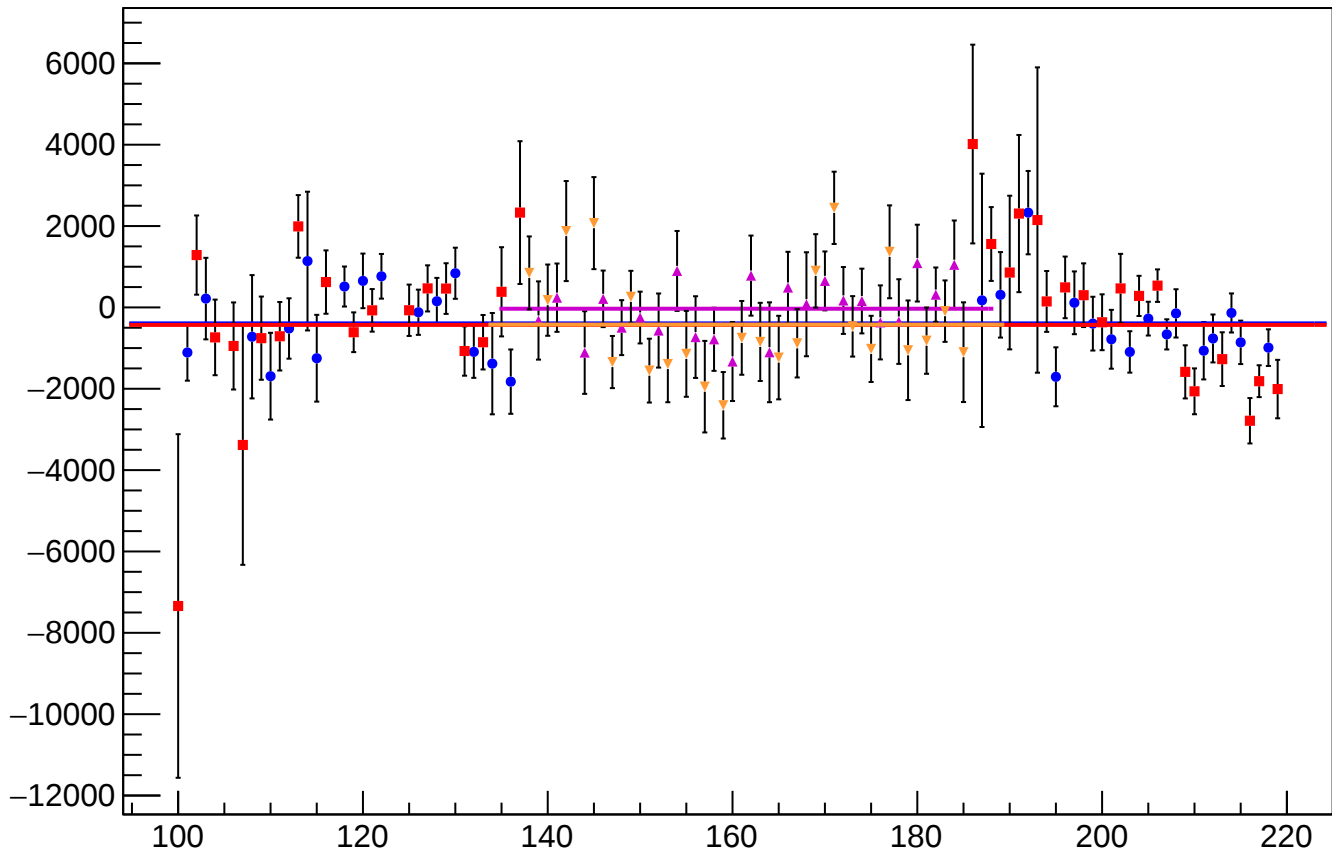
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 592.078+/-0.080 χ^2/NDF : 13613710.8/55

All: 592.197+/-0.057 χ^2/NDF : 27119042.1/11

- sign 592.316+/-0.080 χ^2/NDF : 13505326.9/58

asym_left_avg_correction_mean vs Slug



Right In: -392.934 ± 113.399 χ^2/NDF : 43.1/31

Left Out: -422.681 ± 180.610 χ^2/NDF : 43.2/23

Right Out: -430.158 ± 118.205 χ^2/NDF : 100.4/35

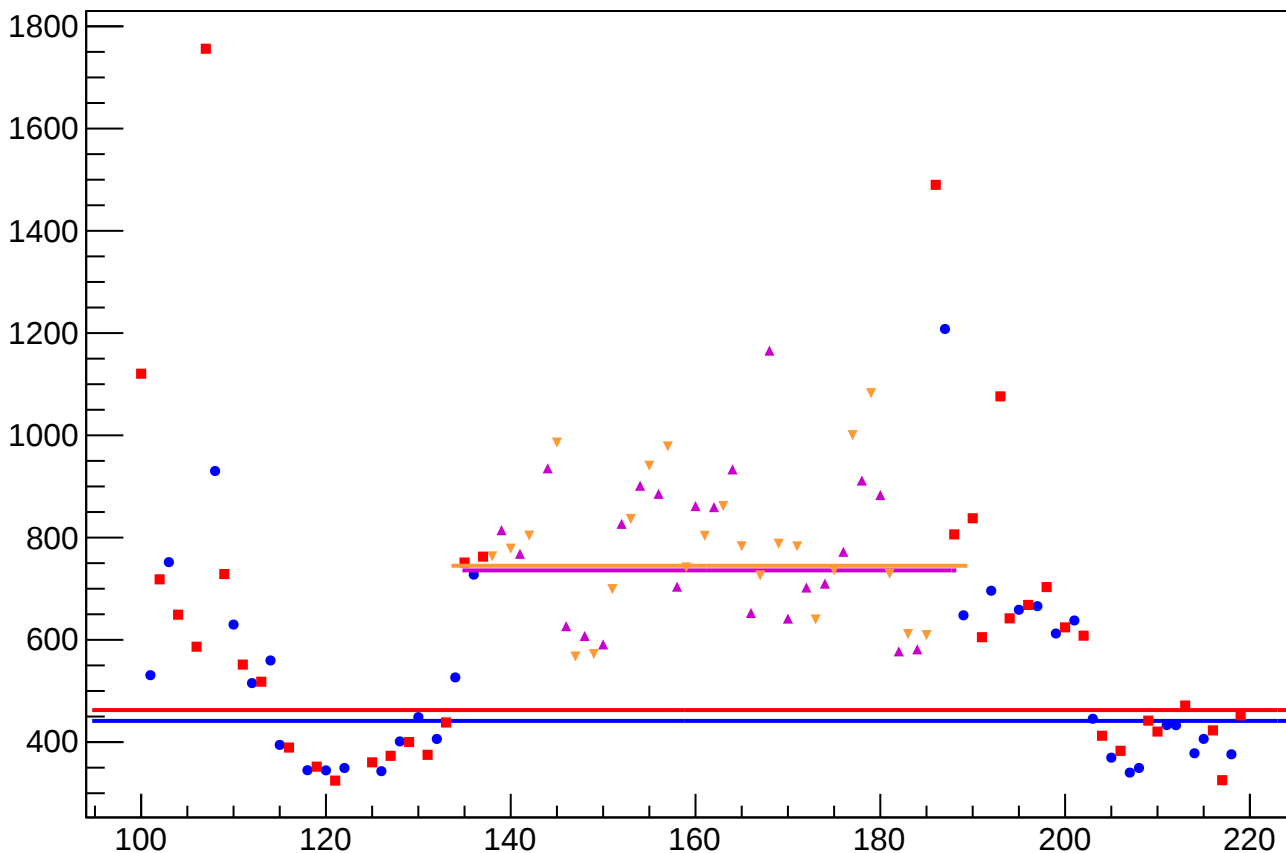
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -401.345 ± 96.038 χ^2/NDF : 86.4/55

All: -356.819 ± 68.835 χ^2/NDF : 202.8/114

- sign -309.781 ± 98.711 χ^2/NDF : 116.0/58

asym_left_avg_correction_rms vs Slug



Right In: 441.472+/-0.080 χ^2/NDF : 2348477.8/31

Left Out: 744.909+/-0.128 χ^2/NDF :1008847.7/23

Right Out: 462.655+/-0.084 χ^2/NDF : 3244348.2/35

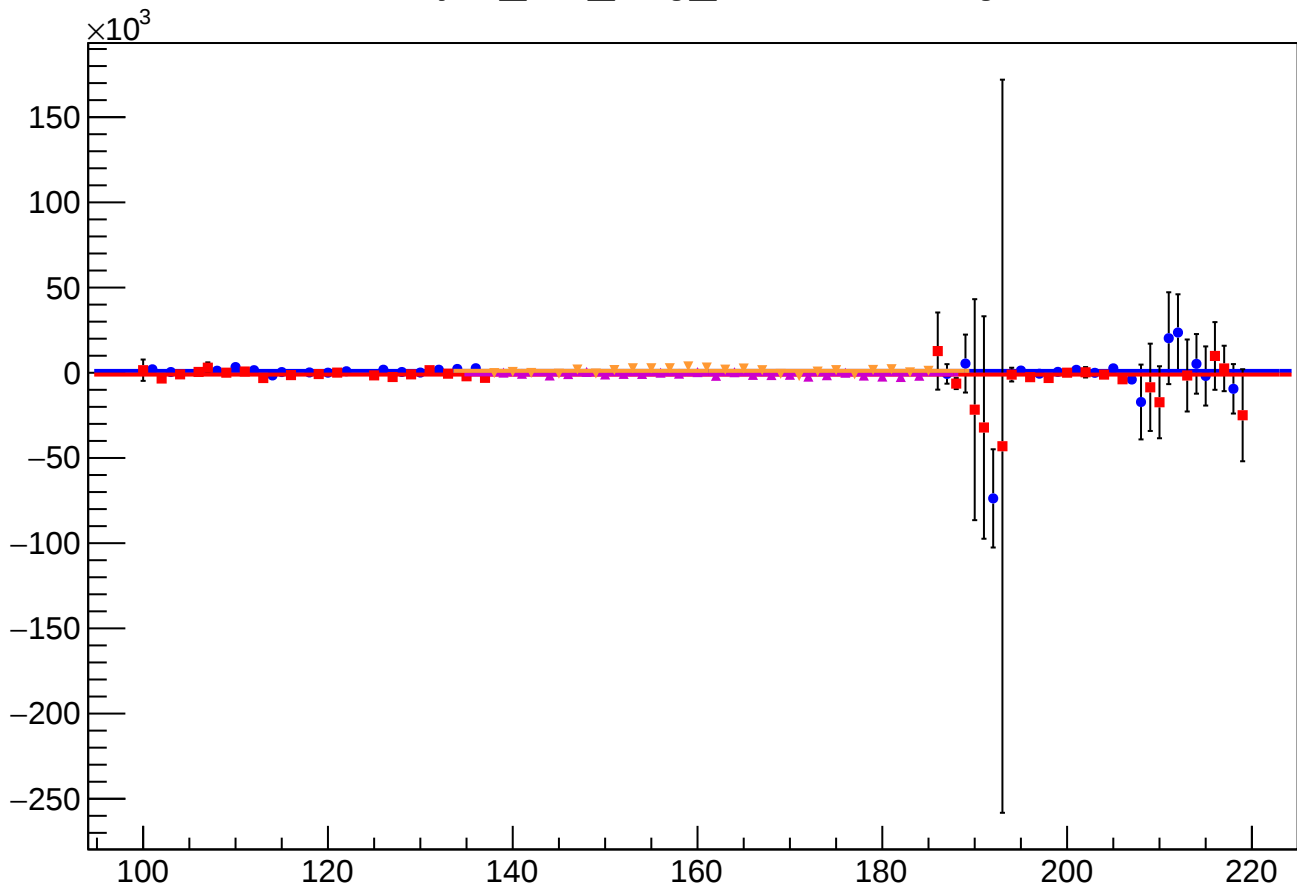
Left In: 735.850+/-0.127 χ^2/NDF :1105405.5/22

+ sign 527.269+/-0.068 χ^2/NDF : 7406401.9/55

All: 536.055+/-0.049 χ^2/NDF : 15023812.0/11

- sign 545.336+/-0.070 χ^2/NDF : 7582988.5/58

asym_left_avg_mean vs Slug



Right In: 1090.859 $\pm$ 280.466 χ^2 /NDF: 27.4/31

Left Out: 1137.936 $\pm$ 228.834 χ^2 /NDF: 38.9/23

Right Out: -1061.813 $\pm$ 280.244 χ^2 /NDF: 31.6/35

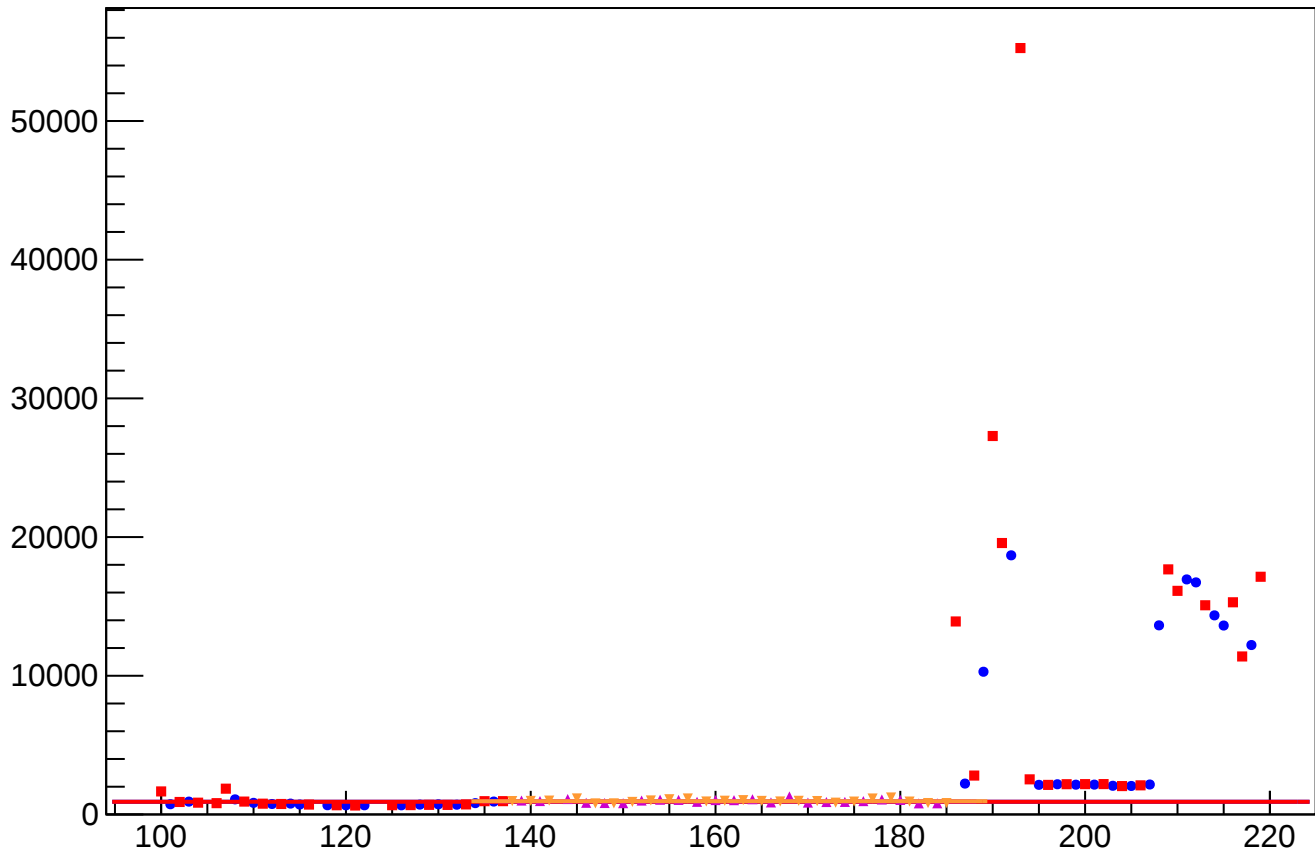
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1119.122 $\pm$ 177.305 χ^2 /NDF: 66.3/55

All: 63.003 $\pm$ 125.270 χ^2 /NDF: 183.7/114

- sign -989.621 $\pm$ 177.012 χ^2 /NDF: 46.5/58

asym_left_avg_rms vs Slug



Right In: 914.576+/-0.198 χ^2/NDF : 11845587.9/31

Left Out: 954.333+/-0.162 χ^2/NDF : 460147.5/23

Right Out: 914.214+/-0.198 χ^2/NDF : 12151429.2/35

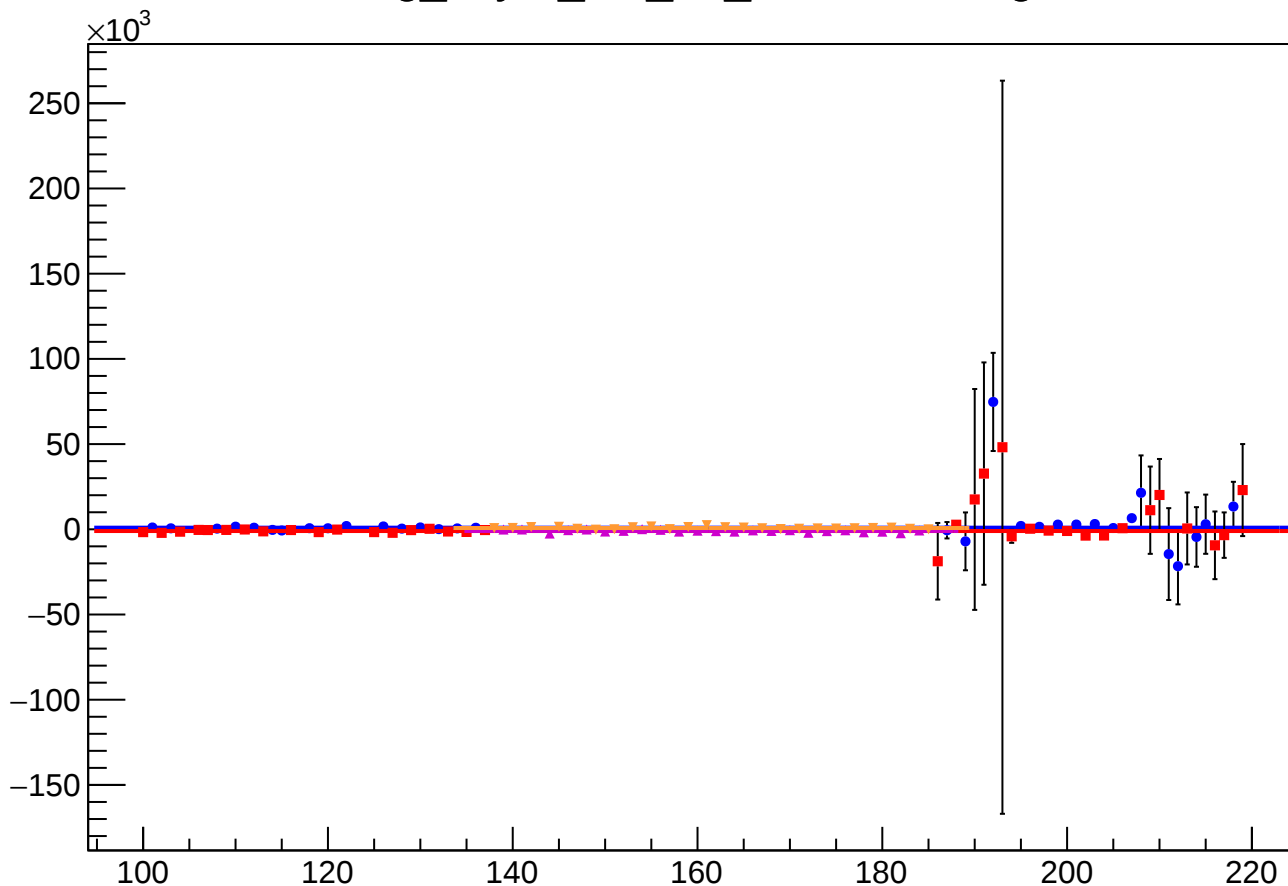
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 938.444+/-0.125 χ^2/NDF : 12329862.3/55

All: 936.050+/-0.089 χ^2/NDF : 24999414.1/11

- sign 933.663+/-0.125 χ^2/NDF : 12668823.3/58

reg_asym_left_dd_mean vs Slug



Right In: 959.679 $\pm$ 209.670 χ^2 /NDF: 24.5/31

Left Out: 757.642 $\pm$ 133.942 χ^2 /NDF: 21.0/23

Right Out: -1015.218 $\pm$ 202.613 χ^2 /NDF: 21.1/35

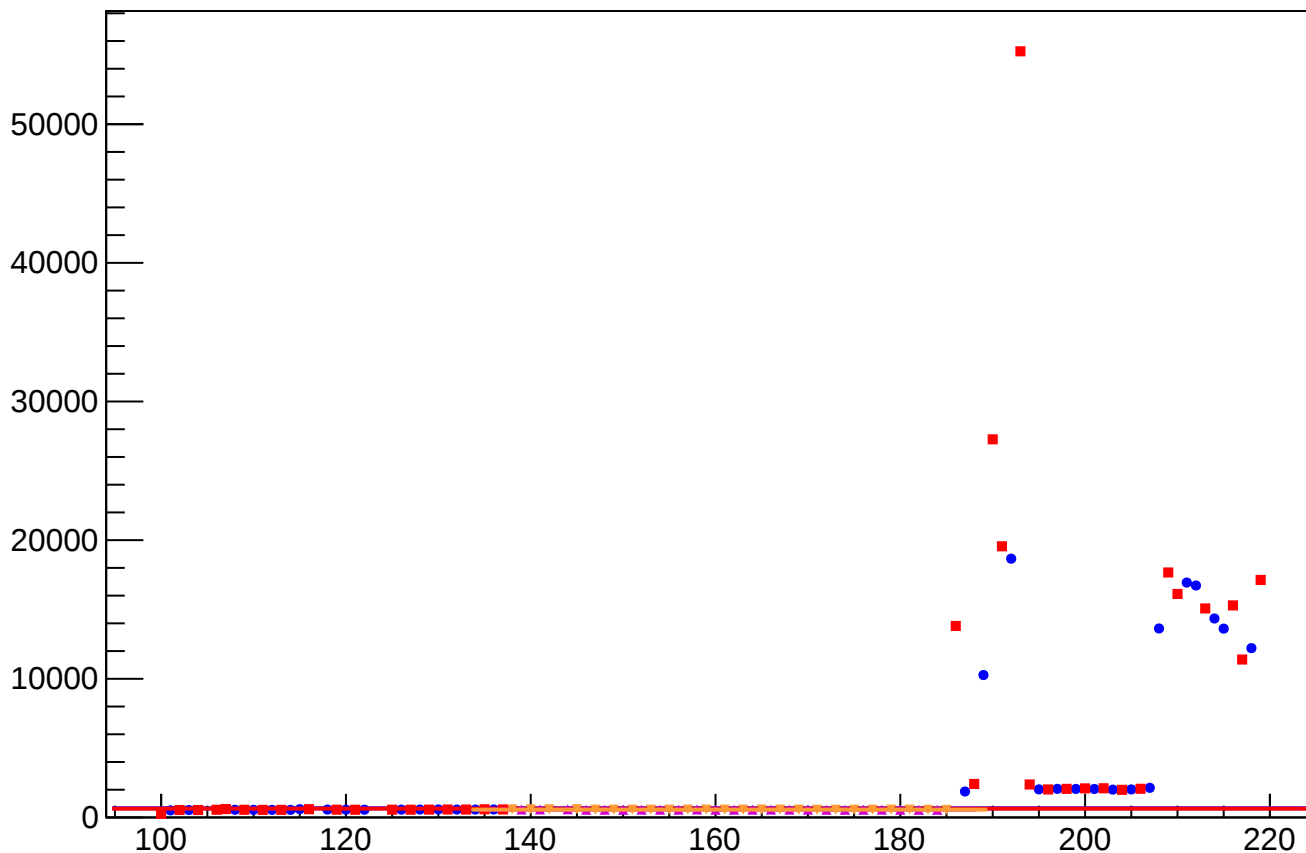
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

+ sign 816.197 $\pm$ 112.876 χ^2 /NDF: 46.2/55

All: -84.886 $\pm$ 79.591 χ^2 /NDF: 220.9/114

- sign -975.918 $\pm$ 112.245 χ^2 /NDF: 48.0/58

reg_asym_left_dd_rms vs Slug



Right In: 659.863 $\pm$ 0.148 χ^2 /NDF: 13319132.4/31

Left Out: 563.675 $\pm$ 0.095 χ^2 /NDF: 9542.9/23

Right Out: 638.477 $\pm$ 0.143 χ^2 /NDF: 13527026.4/35

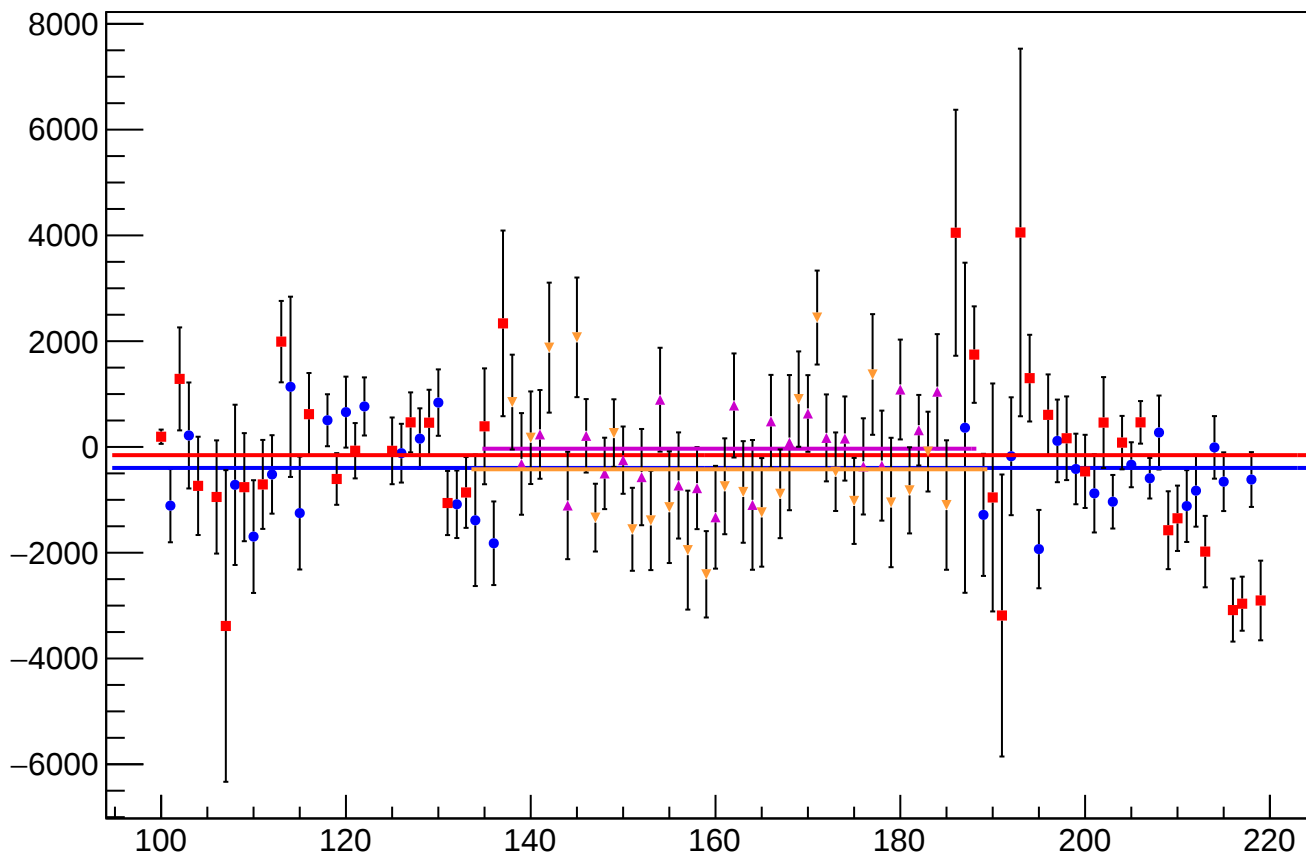
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

+ sign 591.552 $\pm$ 0.080 χ^2 /NDF: 13627608.8/55

All: 589.168 $\pm$ 0.056 χ^2 /NDF: 27353245.2/11

- sign 586.811 $\pm$ 0.079 χ^2 /NDF: 13723862.6/58

asym_left_dd_correction_mean vs Slug



Right In: -396.977 ± 117.647 χ^2/NDF : 35.8/31

Left Out: -422.324 ± 180.531 χ^2/NDF : 43.3/23

Right Out: -155.222 ± 90.841 χ^2/NDF : 129.8/35

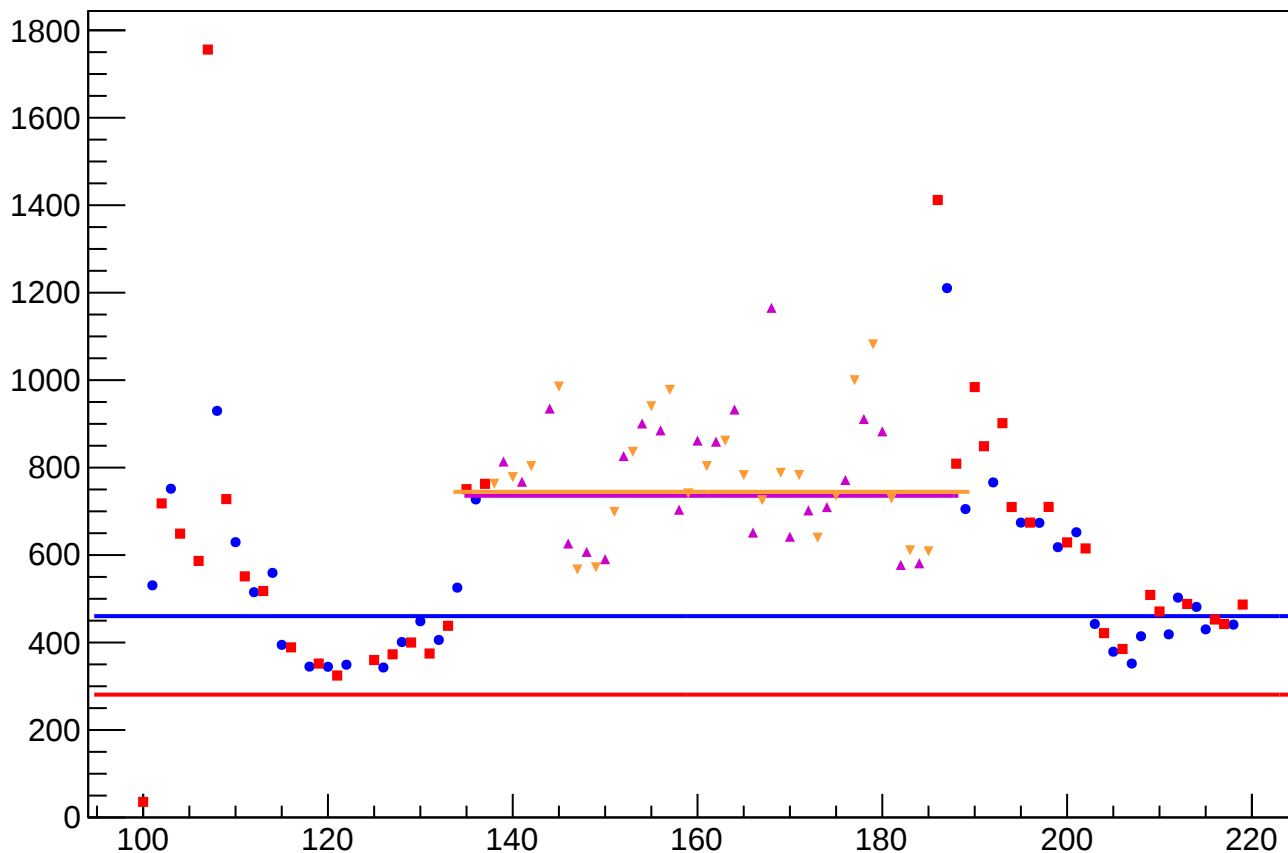
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -404.532 ± 98.565 χ^2/NDF : 79.1/55

All: -240.930 ± 62.598 χ^2/NDF : 226.0/114

- sign -130.336 ± 81.039 χ^2/NDF : 142.2/58

asym_left_dd_correction_rms vs Slug



Right In: 460.346 $\pm$ 0.083 χ^2 /NDF: 2257336.4/31

Left Out: 744.597 $\pm$ 0.128 χ^2 /NDF:1009604.0/23

Right Out: 280.825 $\pm$ 0.064 χ^2 /NDF: 15051364.6/35

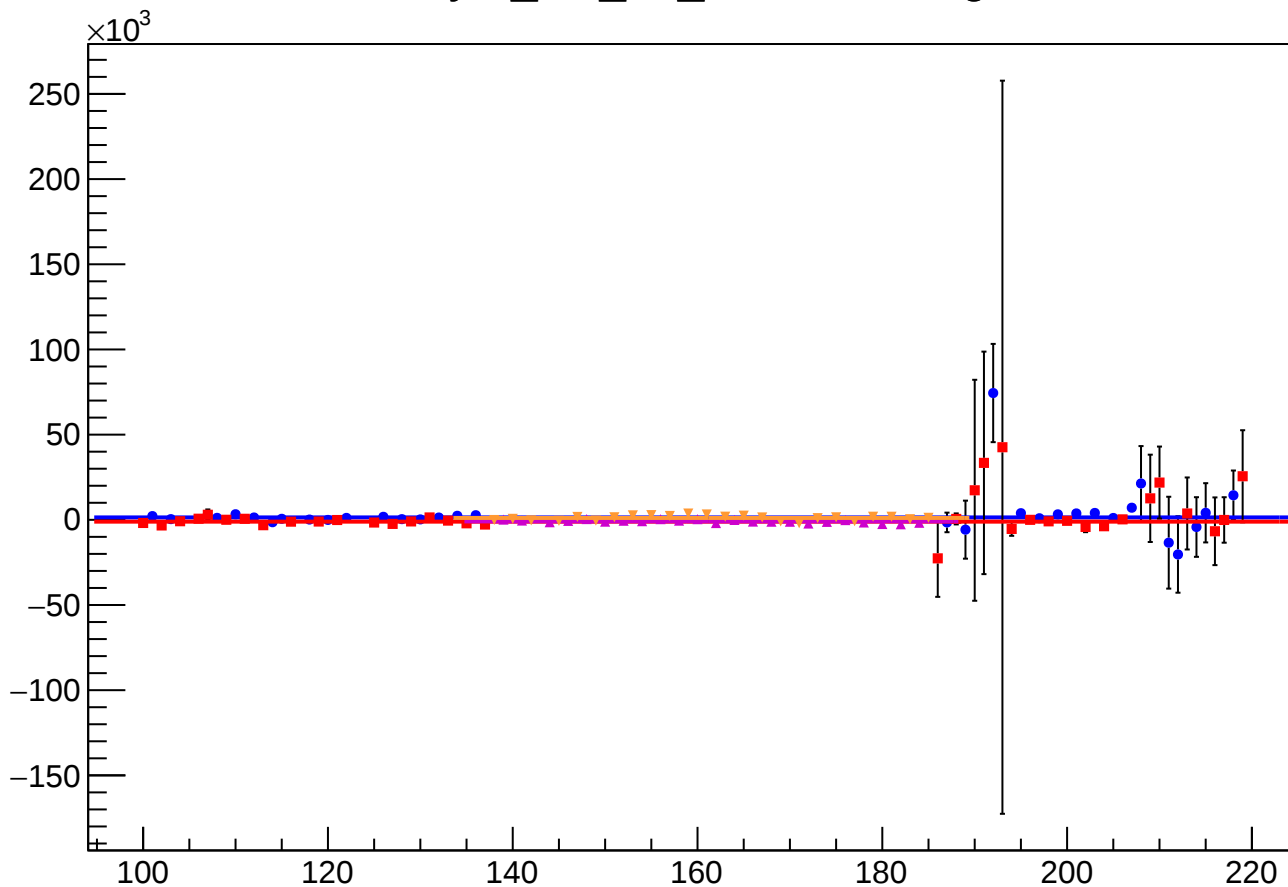
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF:1105222.3/22

+ sign 545.077 $\pm$ 0.070 χ^2 /NDF: 6747208.3/55

All: 442.798 $\pm$ 0.044 χ^2 /NDF: 36744092.8/1

- sign 373.658 $\pm$ 0.057 χ^2 /NDF: 26387509.1/58

asym_left_dd_mean vs Slug



Right In: 1411.663 $\pm$ 280.370 χ^2 /NDF: 31.9/31

Left Out: 1105.144 $\pm$ 228.700 χ^2 /NDF: 38.3/23

Right Out: -1067.524 $\pm$ 269.361 χ^2 /NDF: 30.6/35

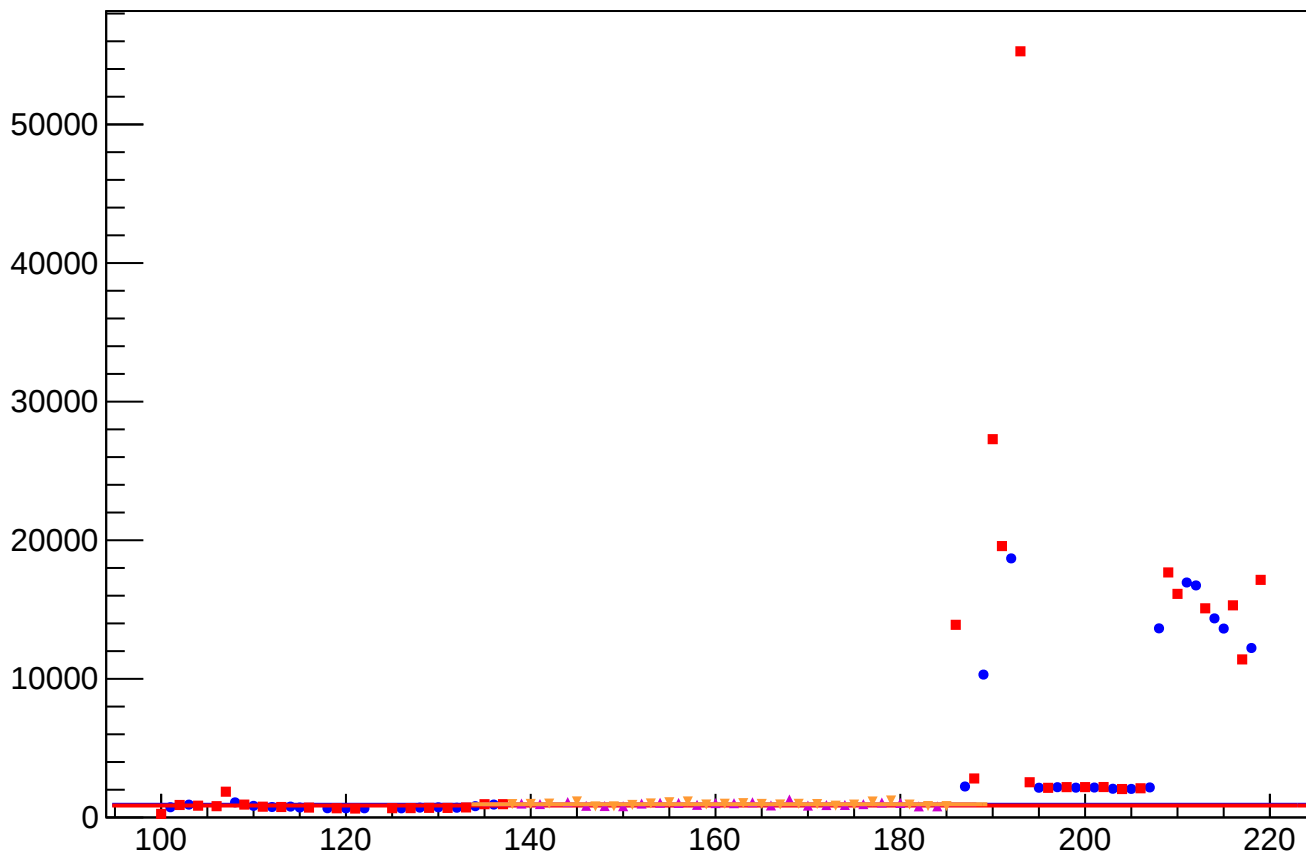
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1227.610 $\pm$ 177.219 χ^2 /NDF: 70.9/55

All: 101.604 $\pm$ 124.200 χ^2 /NDF: 196.1/114

- sign -985.296 $\pm$ 174.114 χ^2 /NDF: 45.9/58

asym_left_dd_rms vs Slug



Right In: 913.822+/-0.198 χ^2/NDF : 11867206.0/31

Left Out: 953.781+/-0.162 χ^2/NDF : 460211.0/23

Right Out: 861.355+/-0.190 χ^2/NDF : 12986615.9/35

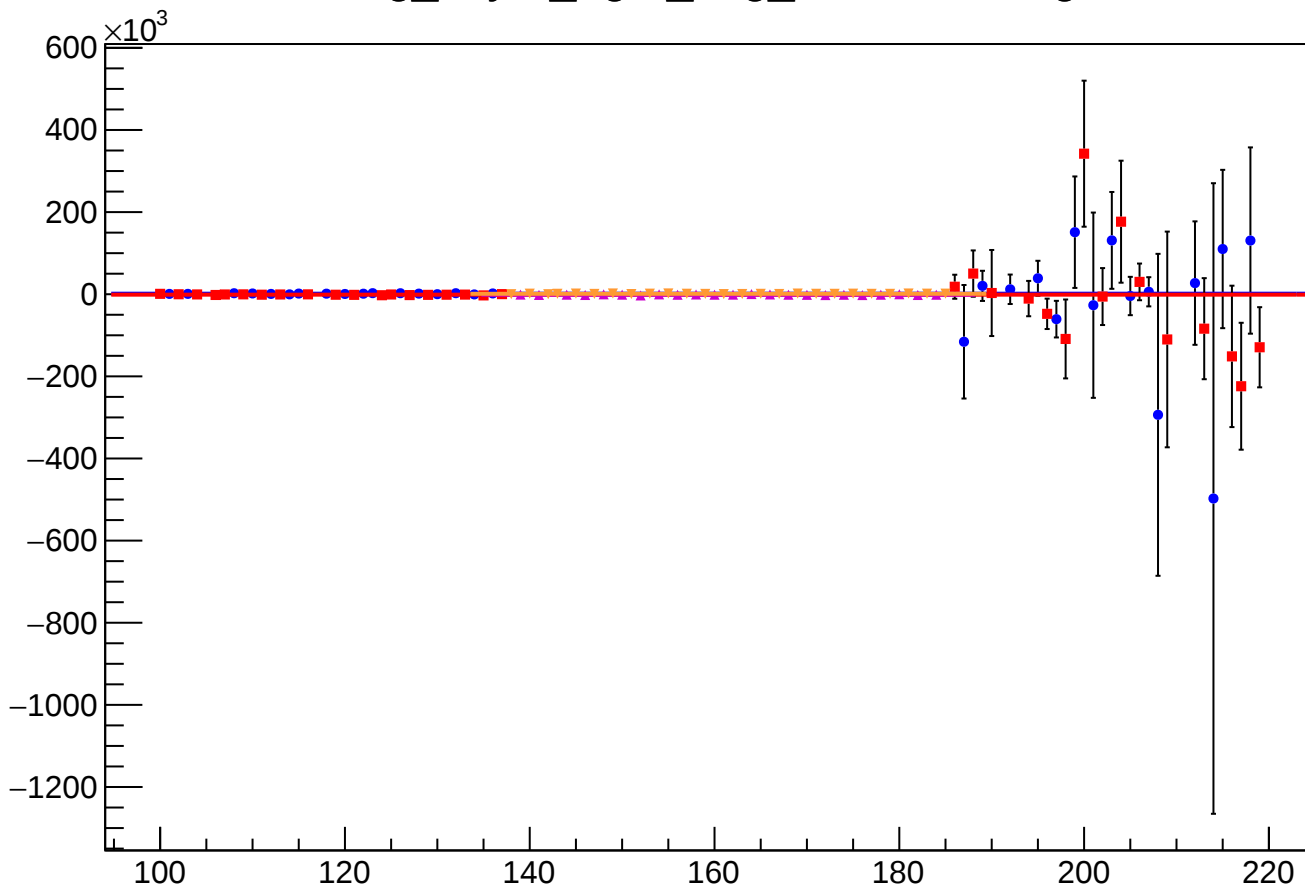
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 937.816+/-0.125 χ^2/NDF : 12351810.5/55

All: 923.996+/-0.088 χ^2/NDF : 25978860.9/11

- sign 910.656+/-0.123 χ^2/NDF : 13603148.2/58

reg_asym_right_avg_mean vs Slug



Right In: 1325.376+/-218.578 χ^2/NDF : 20.7/31

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

Right Out: -1041.099+/-212.060 χ^2/NDF : 28.5/33

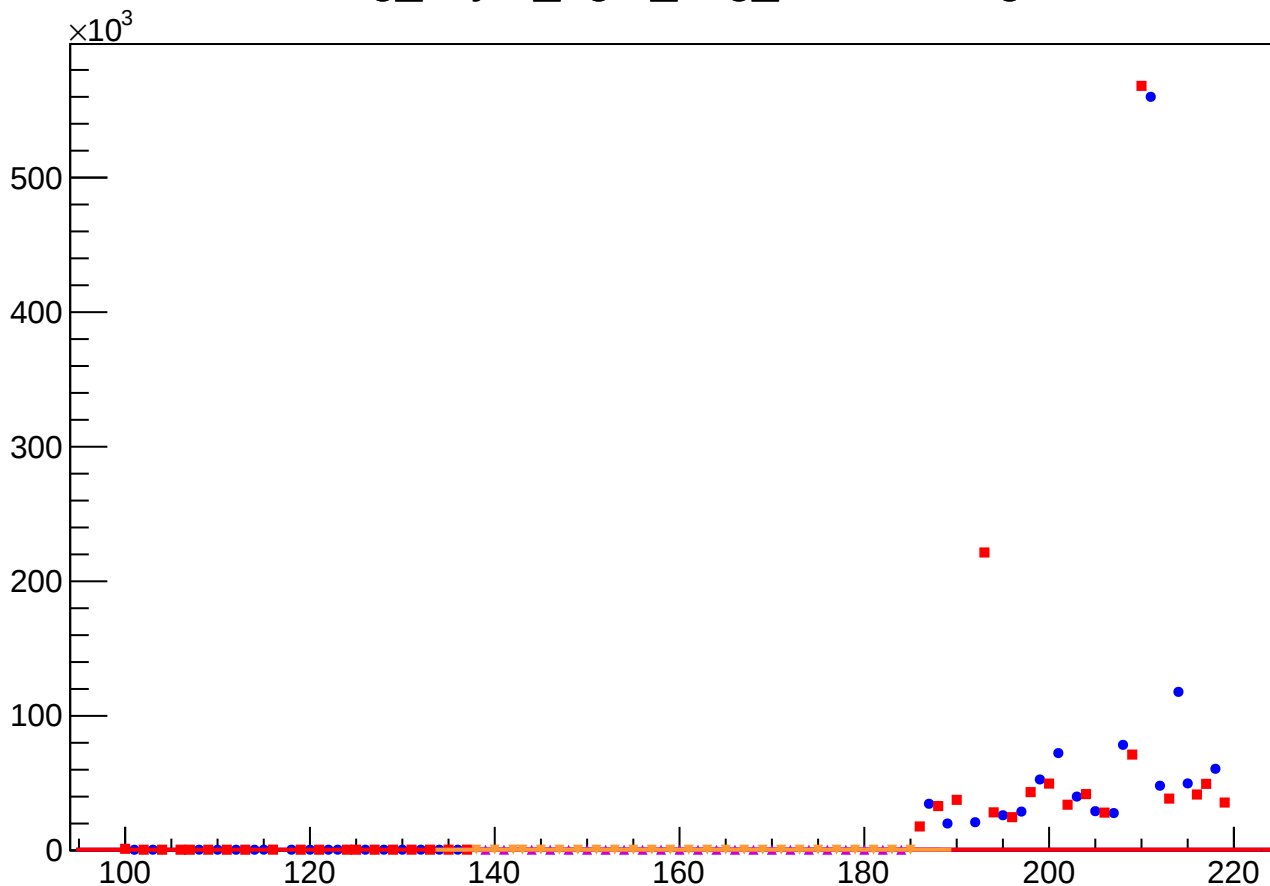
Left In: -1123.857+/-133.163 χ^2/NDF : 30.0/22

+ sign 1139.176+/-111.535 χ^2/NDF : 36.8/56

All: 31.720+/-79.301 χ^2/NDF : 294.8/113

- sign -1100.452+/-112.772 χ^2/NDF : 58.6/56

reg_asym_right_avg_rms vs Slug



Right In: 568.790+/-0.155 χ^2/NDF : 6467415.7/32

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

Right Out: 570.199+/-0.150 χ^2/NDF : 6524658.2/35

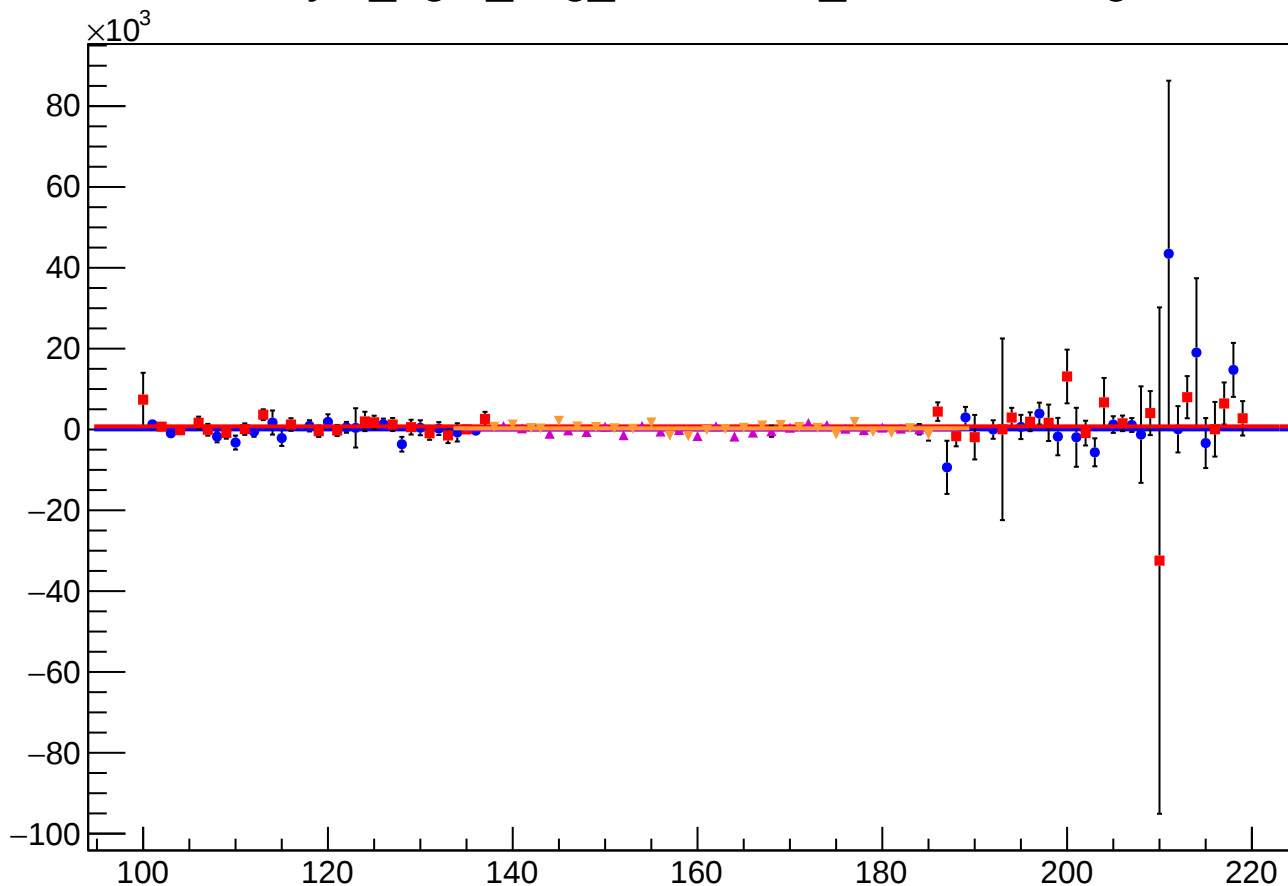
Left In: 556.969+/-0.094 χ^2/NDF :11209.7/22

+ sign 560.465+/-0.079 χ^2/NDF : 6486091.3/57

All: 560.586+/-0.056 χ^2/NDF : 13027546.8/11

- sign 560.710+/-0.080 χ^2/NDF : 6541450.7/58

asym_right_avg_correction_mean vs Slug



Right In: 21.901 $\pm$ 305.695 χ^2 /NDF: 33.5/32

Left Out: 281.875 $\pm$ 180.423 χ^2 /NDF: 26.7/24

Right Out: 768.603 $\pm$ 309.849 χ^2 /NDF: 28.6/35

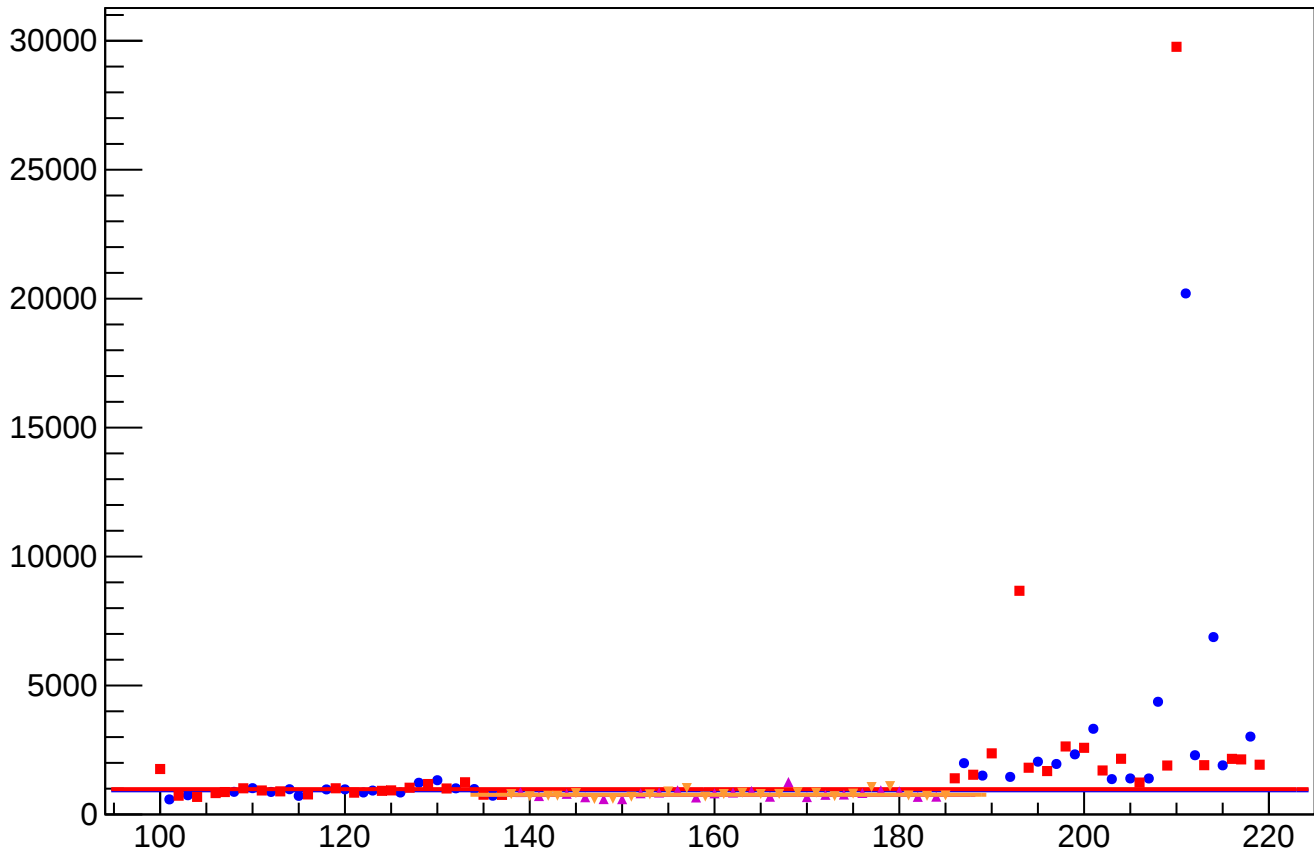
Left In: 8.211 $\pm$ 183.382 χ^2 /NDF: 20.2/22

+ sign 214.711 $\pm$ 155.379 χ^2 /NDF: 60.8/57

All: 210.160 $\pm$ 110.720 χ^2 /NDF: 114.0/116

- sign 205.466 $\pm$ 157.813 χ^2 /NDF: 53.2/58

asym_right_avg_correction_rms vs Slug



Right In: 935.482 $\pm$ 0.216 χ^2 /NDF: 3470669.7/32

Left Out: 763.085 $\pm$ 0.128 χ^2 /NDF: 753700.1/24

Right Out: 981.424 $\pm$ 0.219 χ^2 /NDF: 3014571.6/35

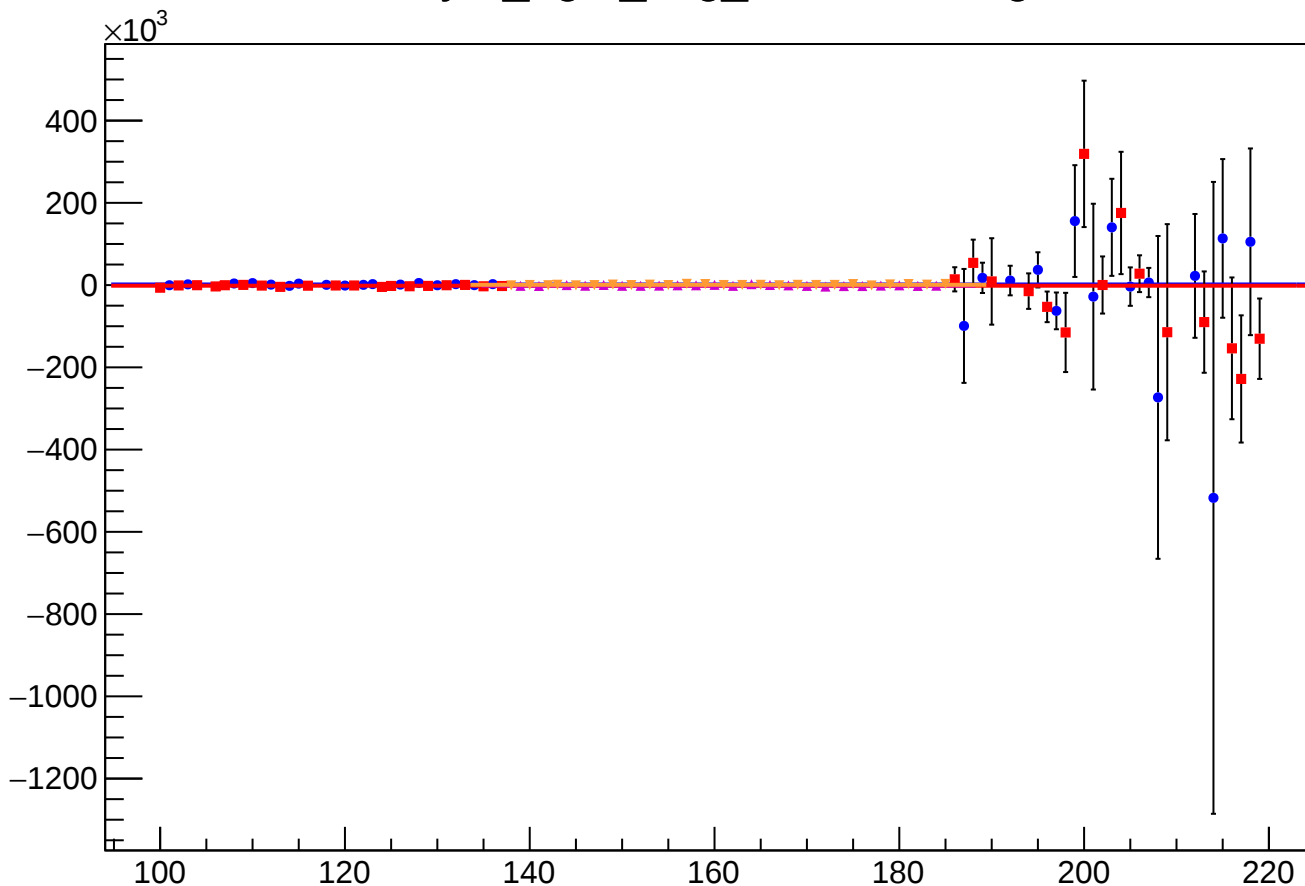
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

+ sign 807.624 $\pm$ 0.110 χ^2 /NDF: 4696128.0/57

All: 810.305 $\pm$ 0.078 χ^2 /NDF: 9441016.7/116

- sign 813.070 $\pm$ 0.112 χ^2 /NDF: 4743679.1/58

asym_right_avg_mean vs Slug



Right In: 1501.827 $\pm$ 402.533 χ^2 /NDF: 24.9/31

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

Right Out: -1491.362 $\pm$ 400.590 χ^2 /NDF: 27.1/33

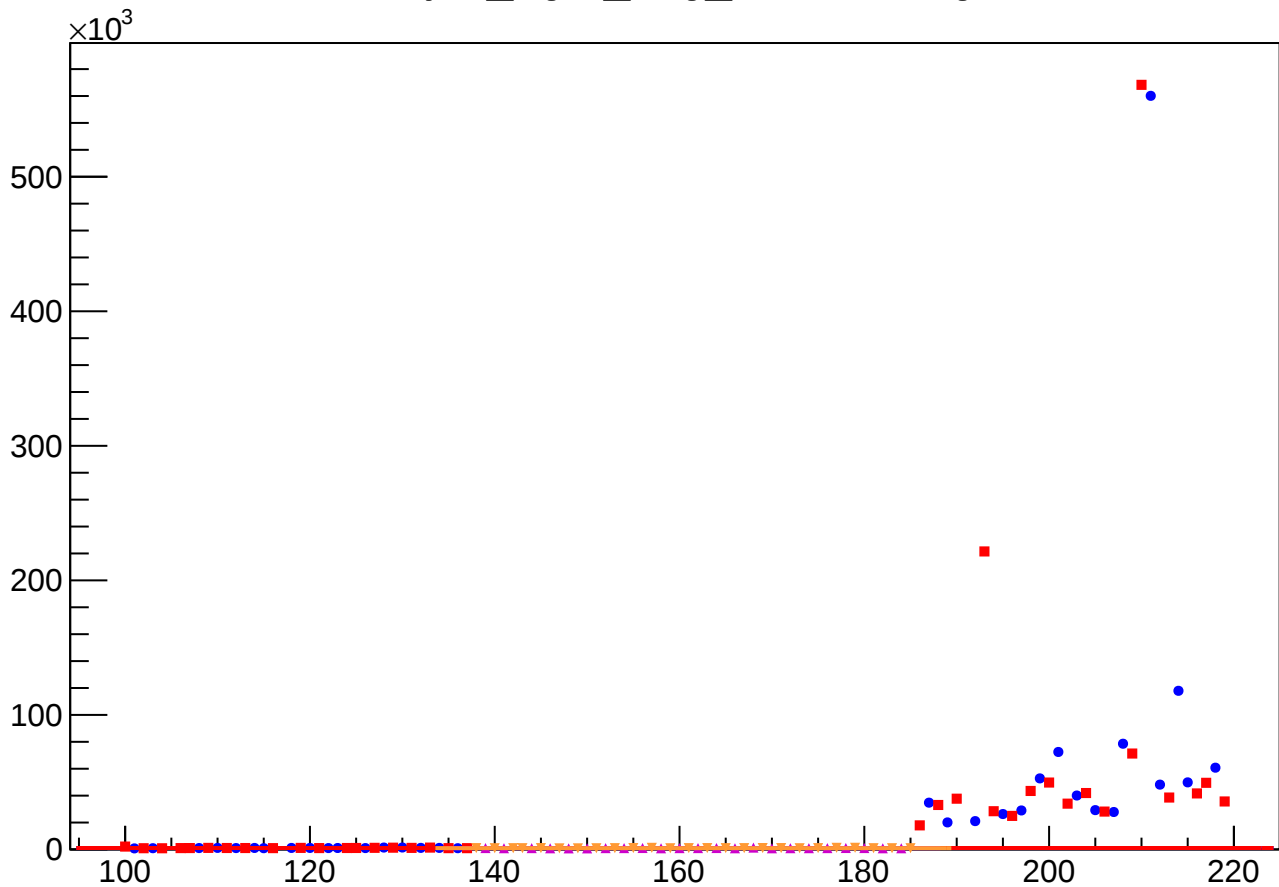
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF:25.4/22

+ sign 921.743 $\pm$ 196.756 χ^2 /NDF: 49.1/56

All: -132.089 $\pm$ 140.089 χ^2 /NDF: 160.4/113

- sign -1215.558 $\pm$ 199.504 χ^2 /NDF: 53.1/56

asym_right_avg_rms vs Slug



Right In: 1039.531+/-0.285 χ^2/NDF : 6592872.7/32

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

Right Out: 1074.923+/-0.283 χ^2/NDF : 6501245.2/35

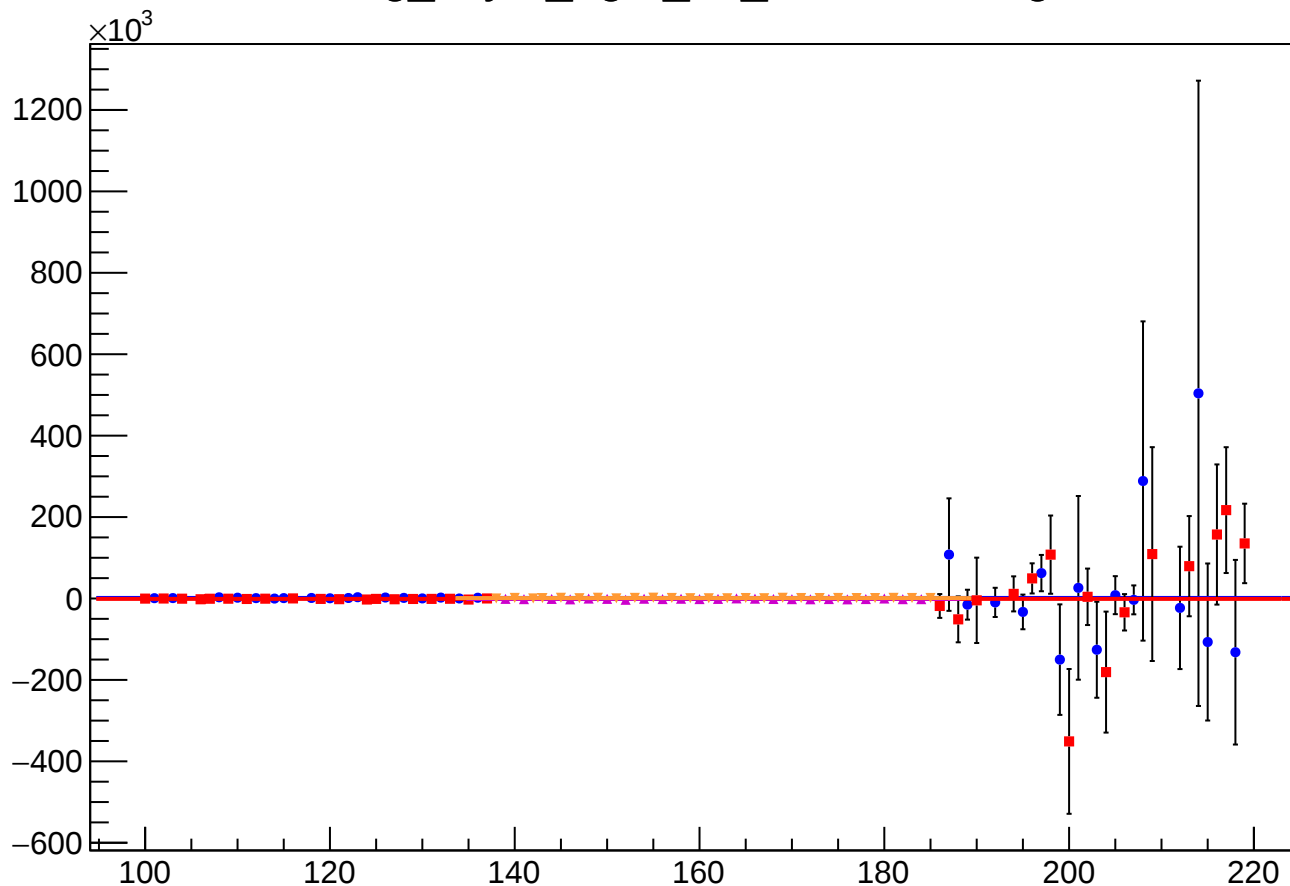
Left In: 954.643+/-0.163 χ^2/NDF : 443395.0/22

+ sign 980.718+/-0.139 χ^2/NDF : 7011907.5/57

All: 982.571+/-0.099 χ^2/NDF : 14092493.4/1

- sign 984.476+/-0.141 χ^2/NDF : 7080226.2/58

reg_asym_right_dd_mean vs Slug



Right In: 1344.214 $\pm$ 218.833 χ^2 /NDF: 19.5/31

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

Right Out: -964.579 $\pm$ 208.596 χ^2 /NDF: 27.9/33

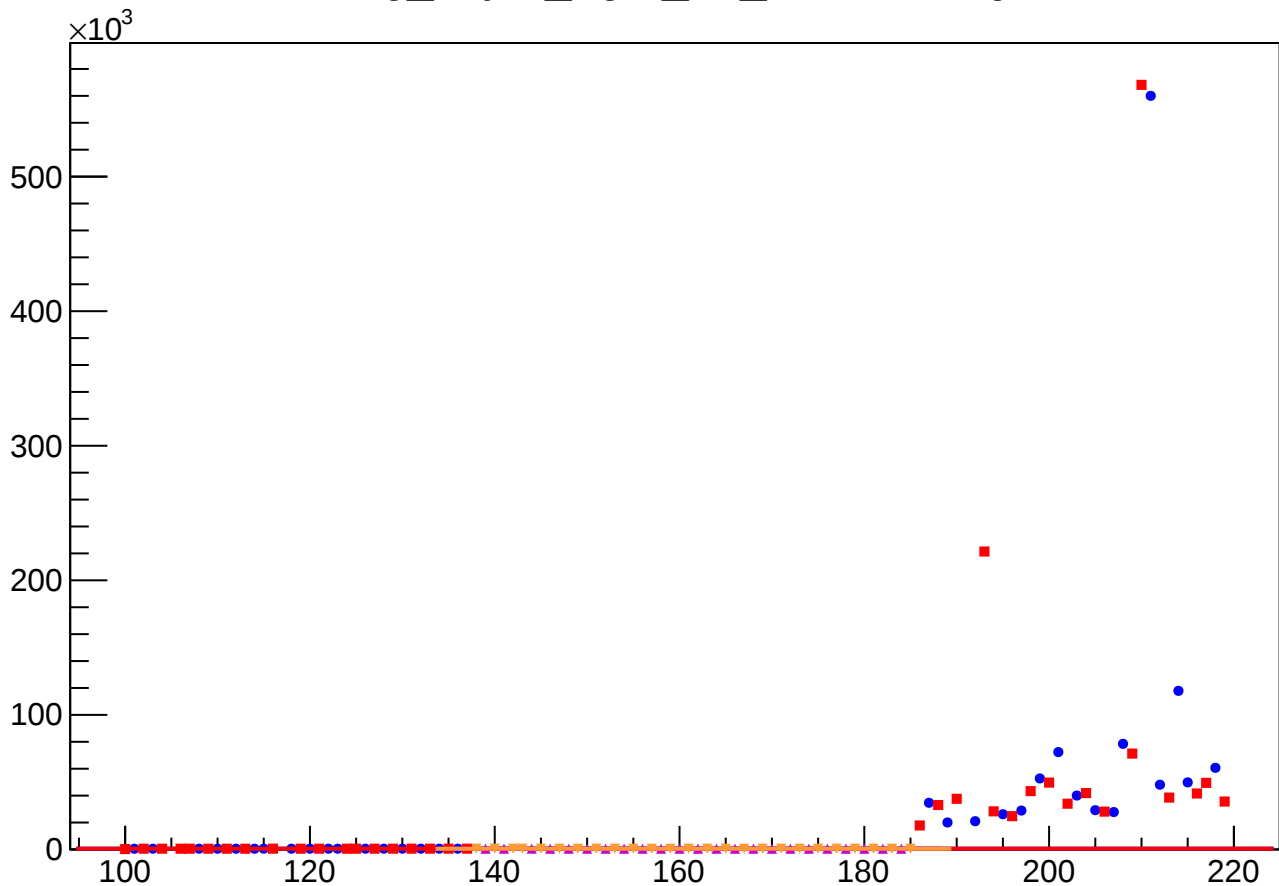
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.422 $\pm$ 111.652 χ^2 /NDF: 35.5/56

All: 21.995 $\pm$ 79.189 χ^2 /NDF: 303.3/113

- sign -1124.260 $\pm$ 112.332 χ^2 /NDF: 60.8/56

reg_asym_right_dd_rms vs Slug



Right In: 569.454 $\pm$ 0.155 χ^2 /NDF: 6467595.0/32

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

Right Out: 559.177 $\pm$ 0.147 χ^2 /NDF: 6612809.4/35

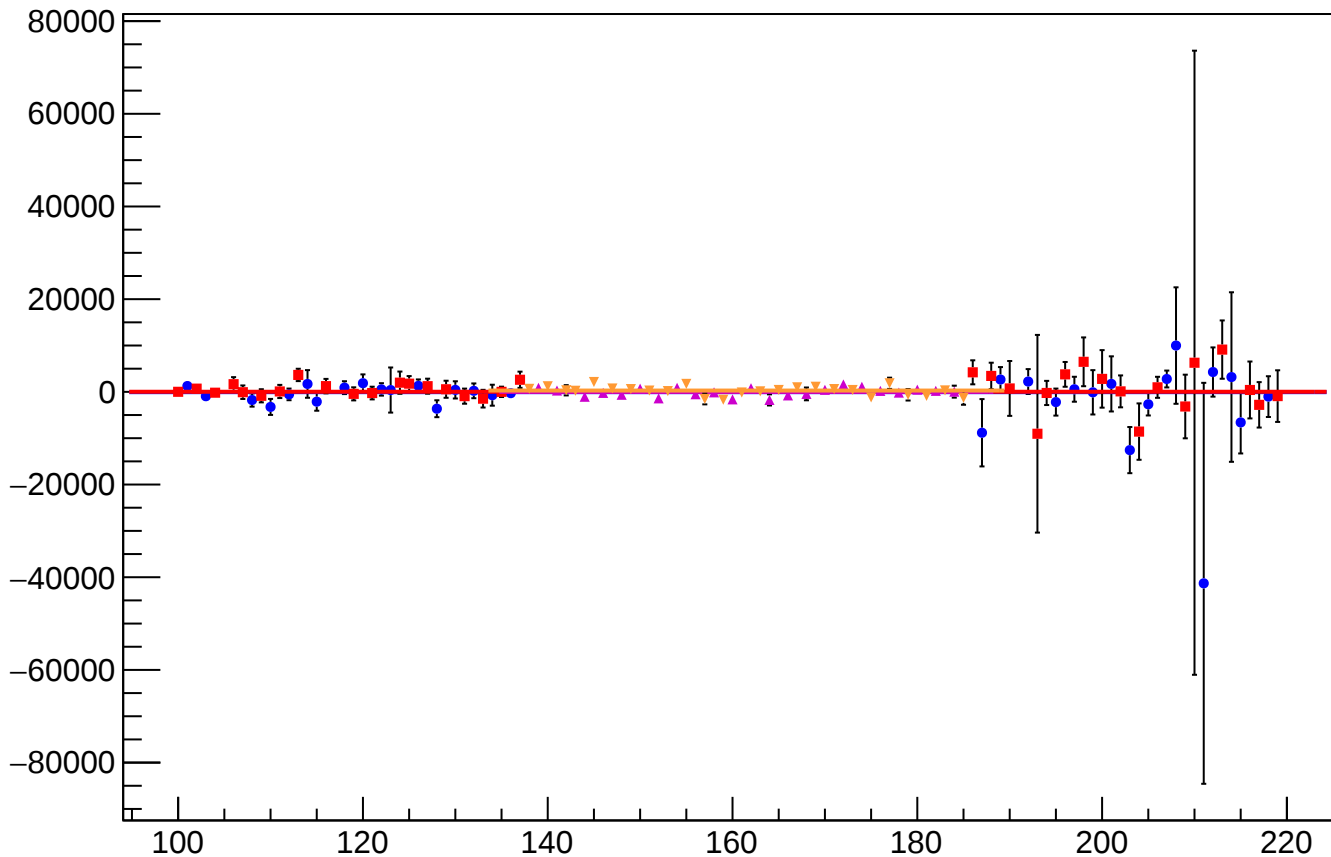
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 561.055 $\pm$ 0.079 χ^2 /NDF: 6486363.4/57

All: 559.564 $\pm$ 0.056 χ^2 /NDF: 13111248.8/13

- sign 558.055 $\pm$ 0.079 χ^2 /NDF: 6624167.7/58

asym_right_dd_correction_mean vs Slug



Right In: -66.482 ± 308.137 χ^2/NDF : 34.1/32

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

Right Out: 22.845 ± 38.922 χ^2/NDF : 28.7/35

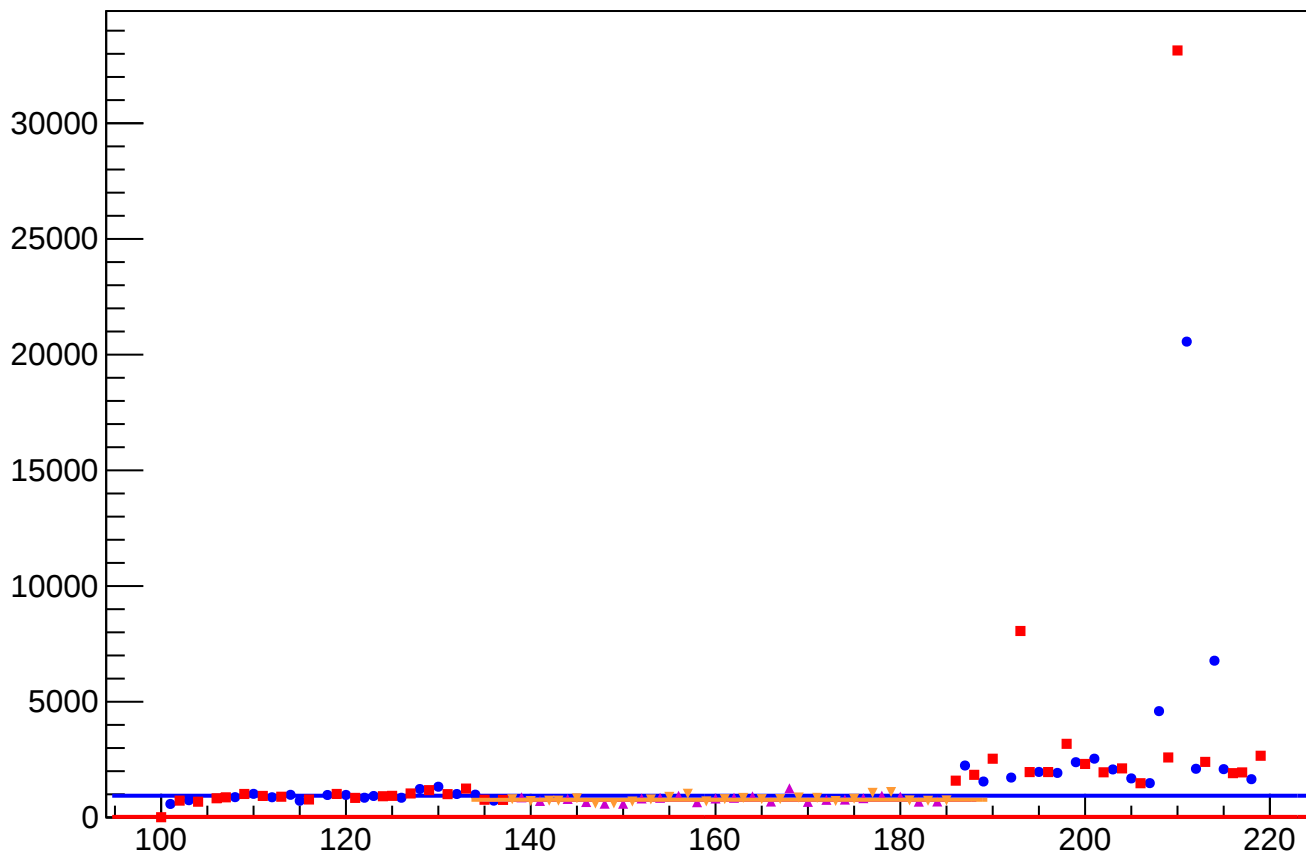
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 192.543 ± 155.732 χ^2/NDF : 61.9/57

All: 31.785 ± 36.986 χ^2/NDF : 111.8/116

- sign 22.176 ± 38.075 χ^2/NDF : 48.8/58

asym_right_dd_correction_rms vs Slug



Right In: 939.189 $\pm$ 0.218 χ^2 /NDF: 3522140.8/32

Left Out: 763.307 $\pm$ 0.128 χ^2 /NDF: 753728.9/24

Right Out: 24.979 $\pm$ 0.028 χ^2 /NDF: 22545671.3/35

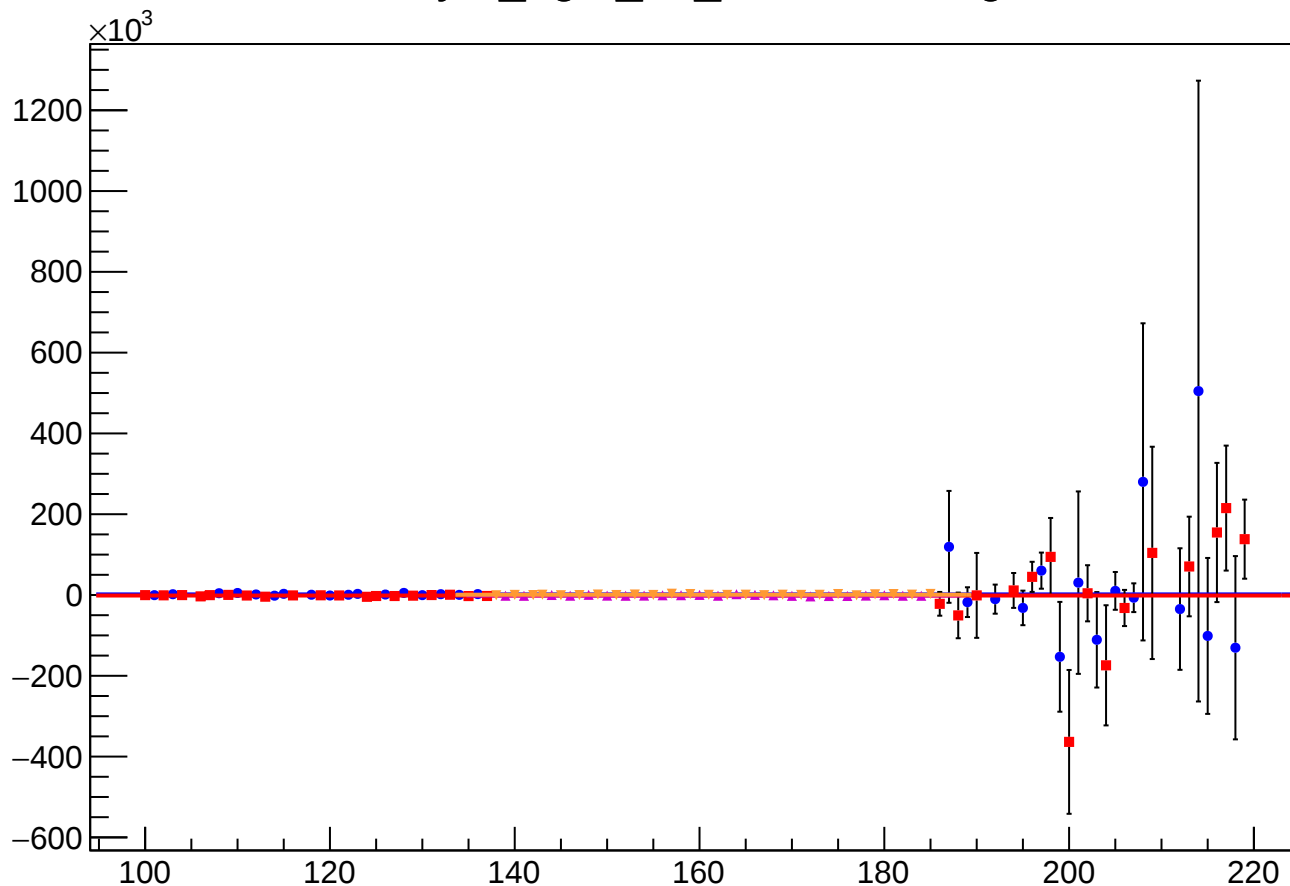
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 808.232 $\pm$ 0.110 χ^2 /NDF: 4761043.3/57

All: 98.803 $\pm$ 0.026 χ^2 /NDF: 102480240.4/11

- sign 56.397 $\pm$ 0.027 χ^2 /NDF: 53733905.2/58

asym_right_dd_mean vs Slug



Right In: 1514.841 ± 402.756 χ^2/NDF : 25.2/31

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

Right Out: -1285.716 ± 376.573 χ^2/NDF : 27.5/33

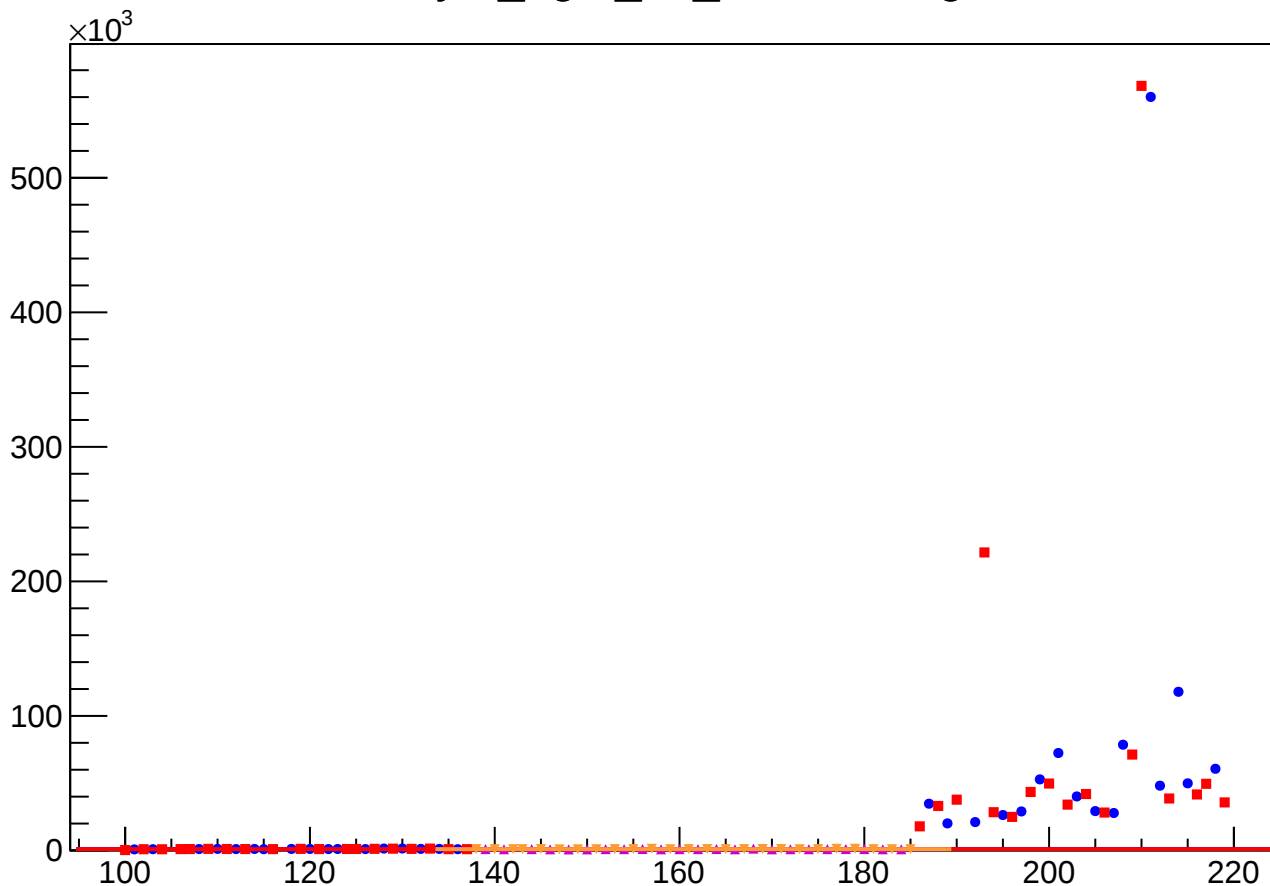
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 927.273 ± 196.864 χ^2/NDF : 48.2/56

All: -141.767 ± 139.049 χ^2/NDF : 158.8/113

- sign -1206.062 ± 196.427 χ^2/NDF : 51.8/56

asym_right_dd_rms vs Slug



Right In: 1040.115 $\pm$ 0.285 χ^2 /NDF: 6593458.9/32

Left Out: 962.776 $\pm$ 0.160 χ^2 /NDF: 362837.8/24

Right Out: 979.238 $\pm$ 0.266 χ^2 /NDF: 7377932.1/35

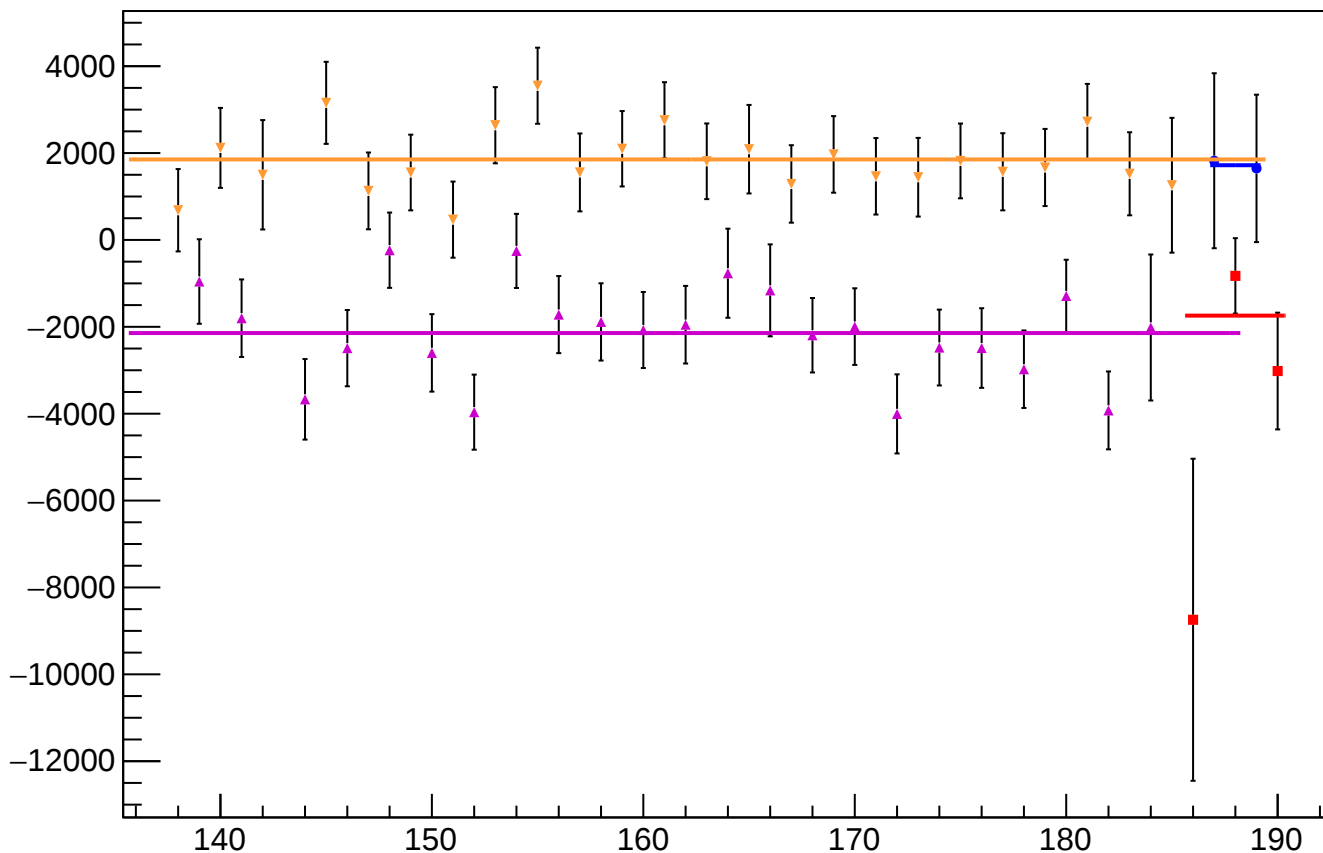
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF: 443068.5/22

+ sign 981.254 $\pm$ 0.139 χ^2 /NDF: 7012423.2/57

All: 971.523 $\pm$ 0.098 χ^2 /NDF: 14849043.1/11

- sign 961.835 $\pm$ 0.139 χ^2 /NDF: 7826868.3/58

cor_asym_us_avg_mean vs Slug



Right In: 1720.097 $\pm$ 1297.686 χ^2 /NDF: 0.0/1

Left Out: 1852.926 $\pm$ 187.412 χ^2 /NDF:15.0/23

Right Out: -1742.386 $\pm$ 715.276 χ^2 /NDF: 5.6/2

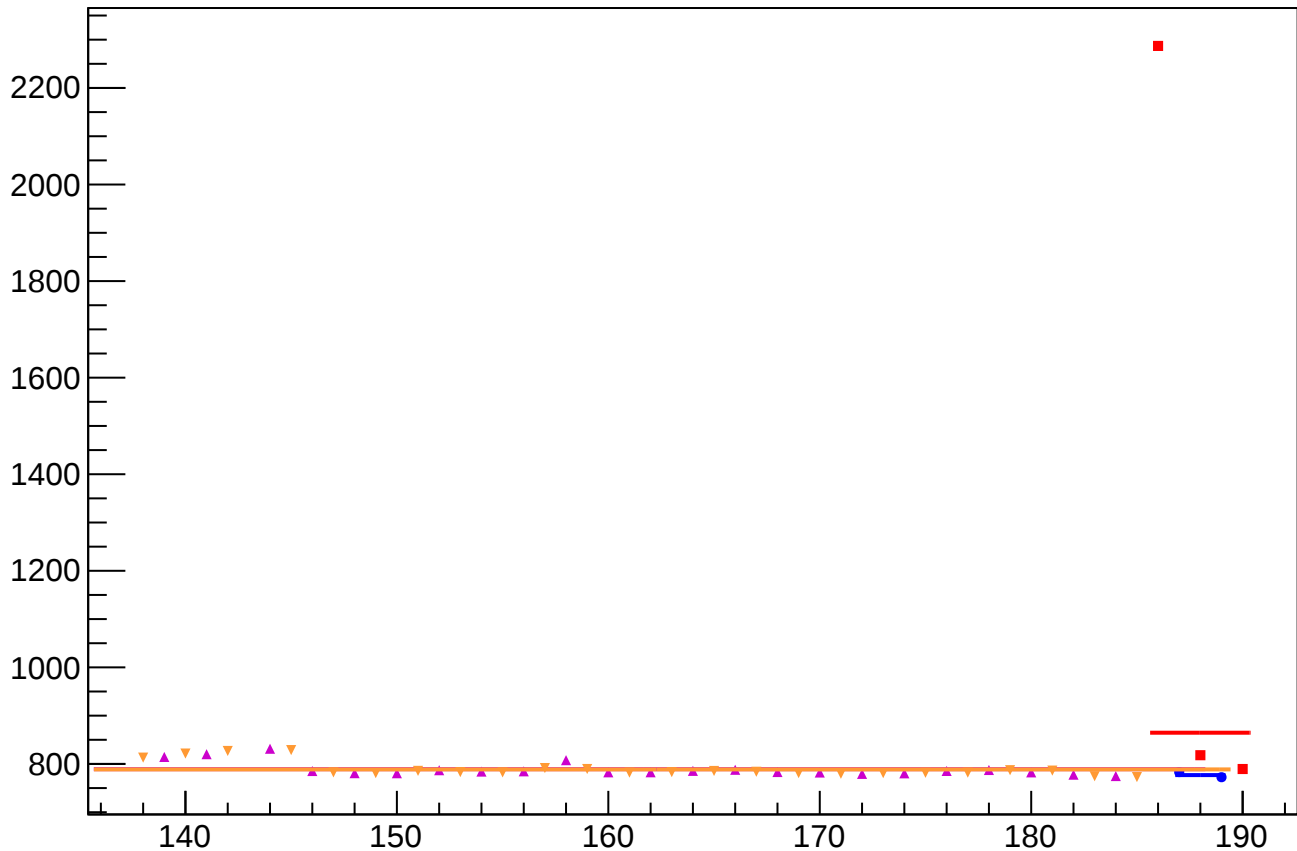
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ sign 1850.213 $\pm$ 185.488 χ^2 /NDF: 15.0/25

All: -151.835 $\pm$ 130.545 χ^2 /NDF: 284.1/51

- sign -2116.795 $\pm$ 183.762 χ^2 /NDF: 38.2/25

cor_asym_us_avg_rms vs Slug



Right In: 776.892 $\pm$ 0.918 χ^2 /NDF: 32.5/1

Left Out: 788.658 $\pm$ 0.133 χ^2 /NDF: 11499.7/23

Right Out: 864.658 $\pm$ 0.506 χ^2 /NDF: 306489.7/2

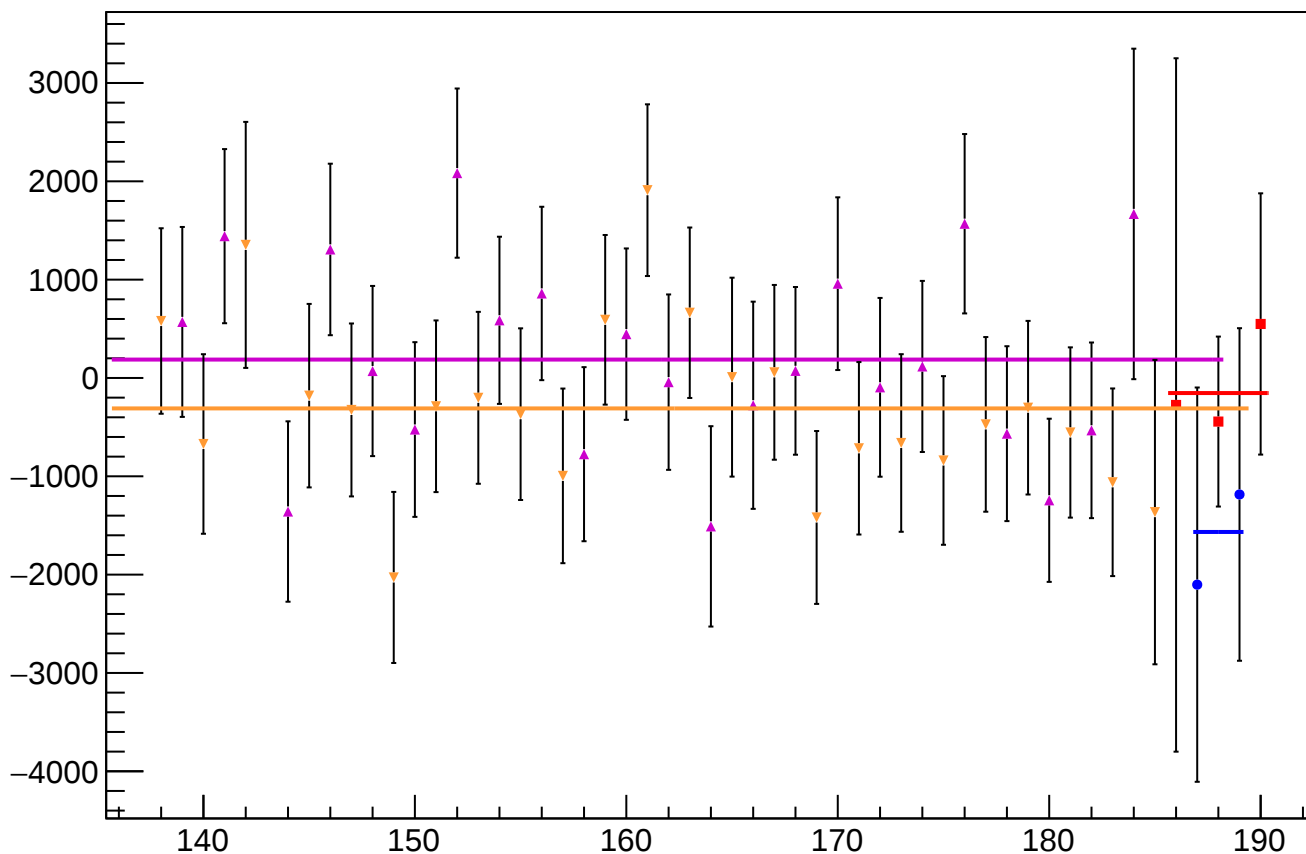
Left In: 789.176 $\pm$ 0.134 χ^2 /NDF: 10860.4/22

+ sign 788.418 $\pm$ 0.131 χ^2 /NDF: 11693.3/25

All: 791.315 $\pm$ 0.092 χ^2 /NDF: 350812.6/51

- sign 794.158 $\pm$ 0.130 χ^2 /NDF: 338152.4/25

cor_asym_us_dd_mean vs Slug



Right In: -1566.105 ± 1292.689 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -309.656 ± 186.542 $\chi^2/\text{NDF}: 20.0/23$

Right Out: -153.360 ± 709.634 $\chi^2/\text{NDF}: 0.4/2$

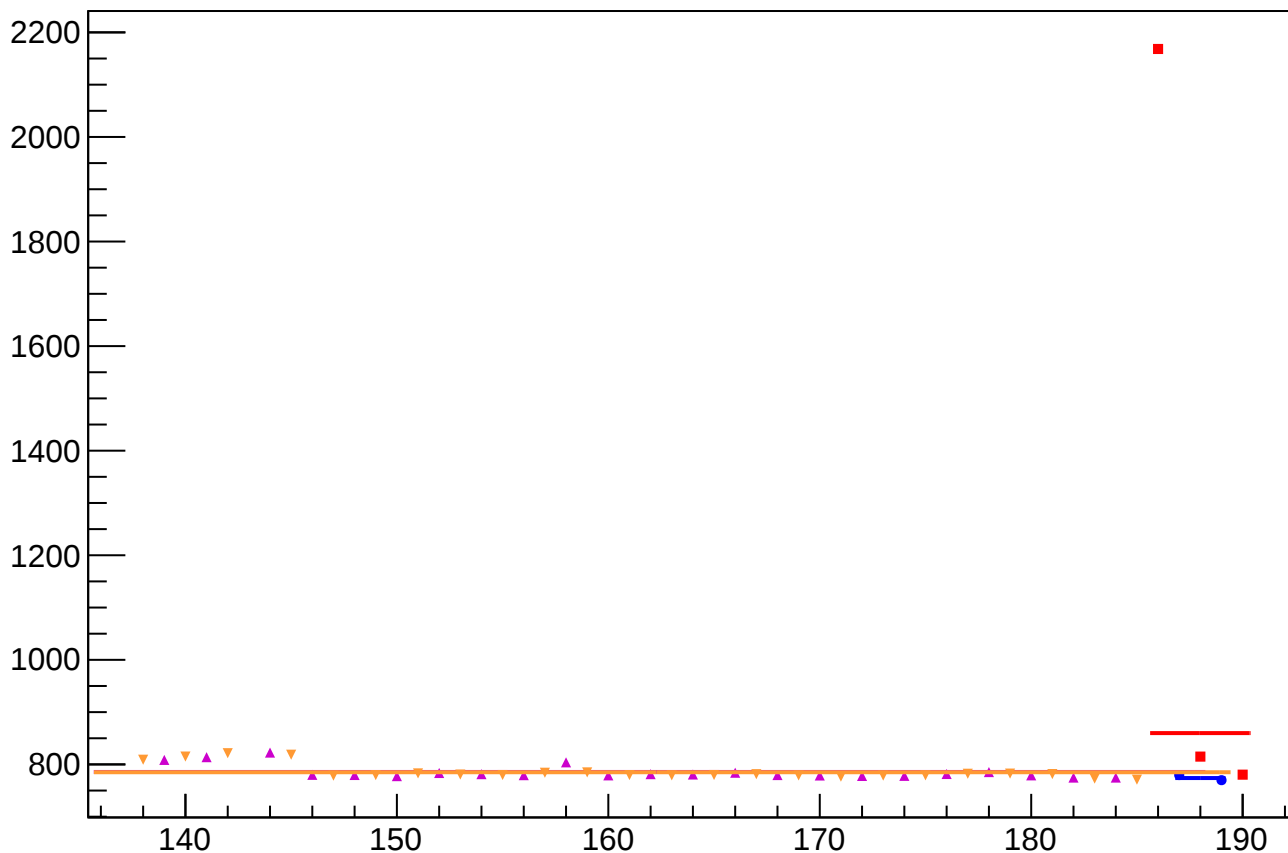
Left In: 187.105 ± 189.265 $\chi^2/\text{NDF}: 25.6/22$

+ sign -335.286 ± 184.630 $\chi^2/\text{NDF}: 21.0/25$

All: -83.007 ± 129.927 $\chi^2/\text{NDF}: 50.9/51$

- sign 164.494 ± 182.873 $\chi^2/\text{NDF}: 26.2/25$

cor_asym_us_dd_rms vs Slug



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

Left Out: 785.050 $\pm$ 0.132 χ^2 /NDF: 9365.3/23

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

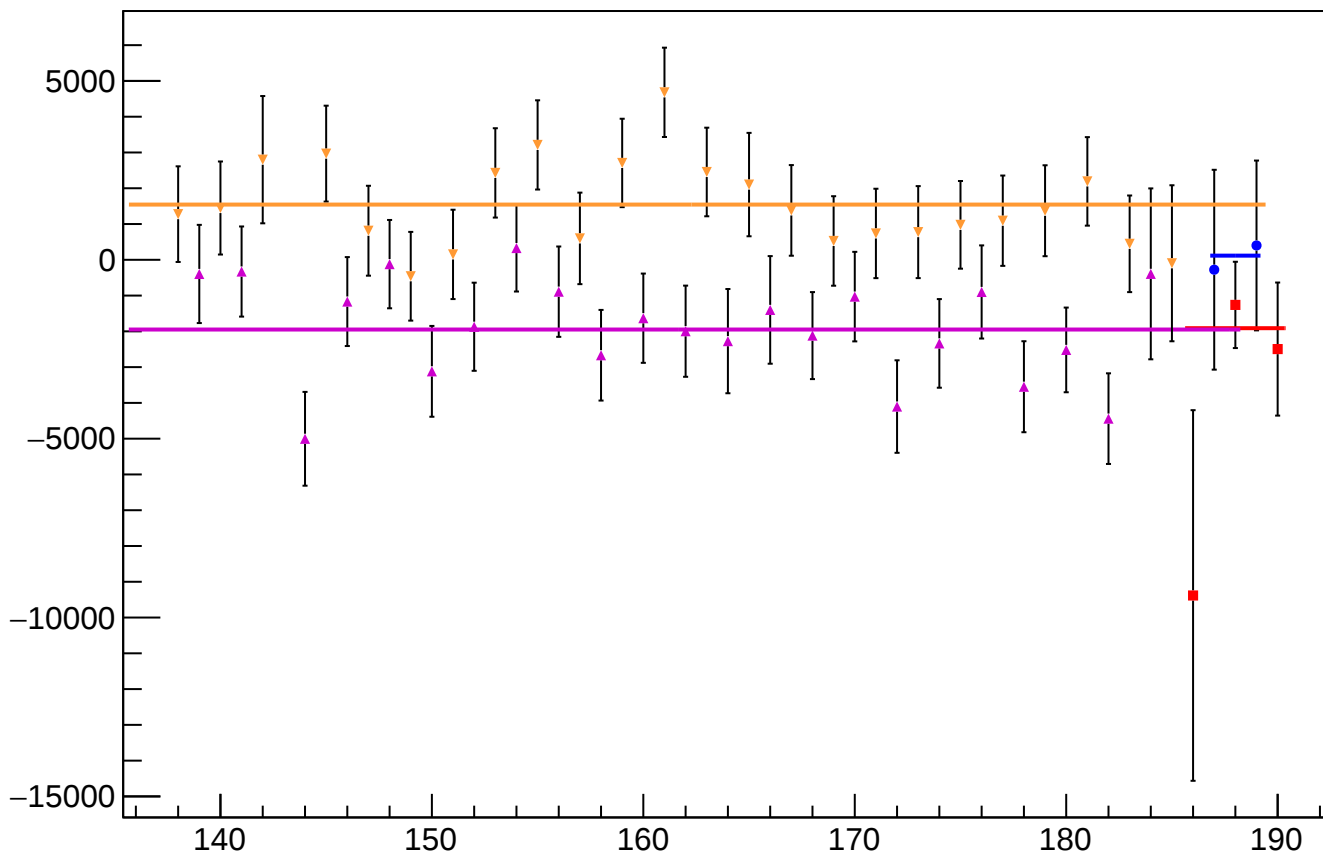
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

+ sign 784.823 $\pm$ 0.131 χ^2 /NDF: 9538.2/25

All: 787.688 $\pm$ 0.092 χ^2 /NDF: 327963.5/51

- 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: 1543.729 ± 266.278 χ^2/NDF : 19.9/23

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

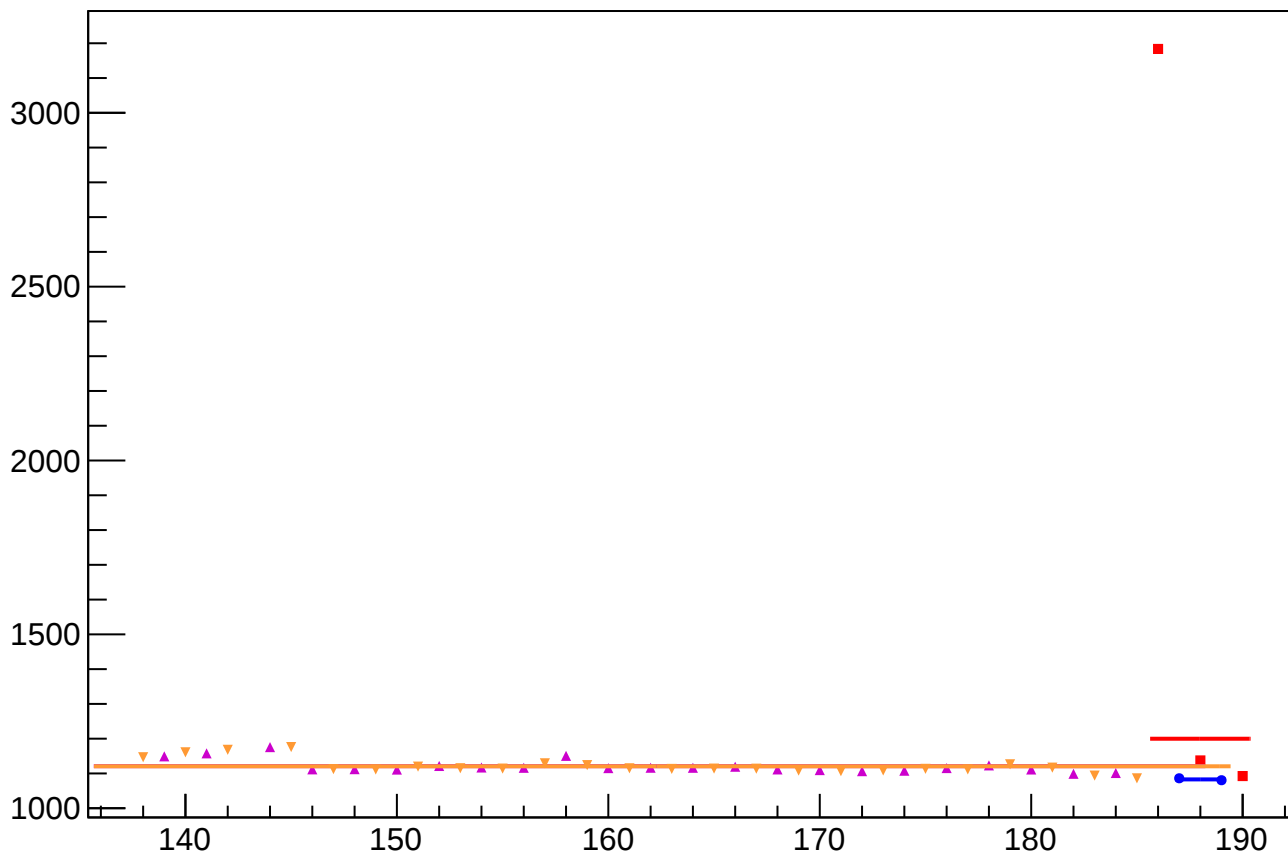
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ sign 1513.448 ± 263.439 χ^2/NDF : 20.6/25

All: -235.158 ± 185.274 χ^2/NDF : 137.0/51

- 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: 1120.578 $\pm$ 0.188 χ^2 /NDF: 10264.0/23

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

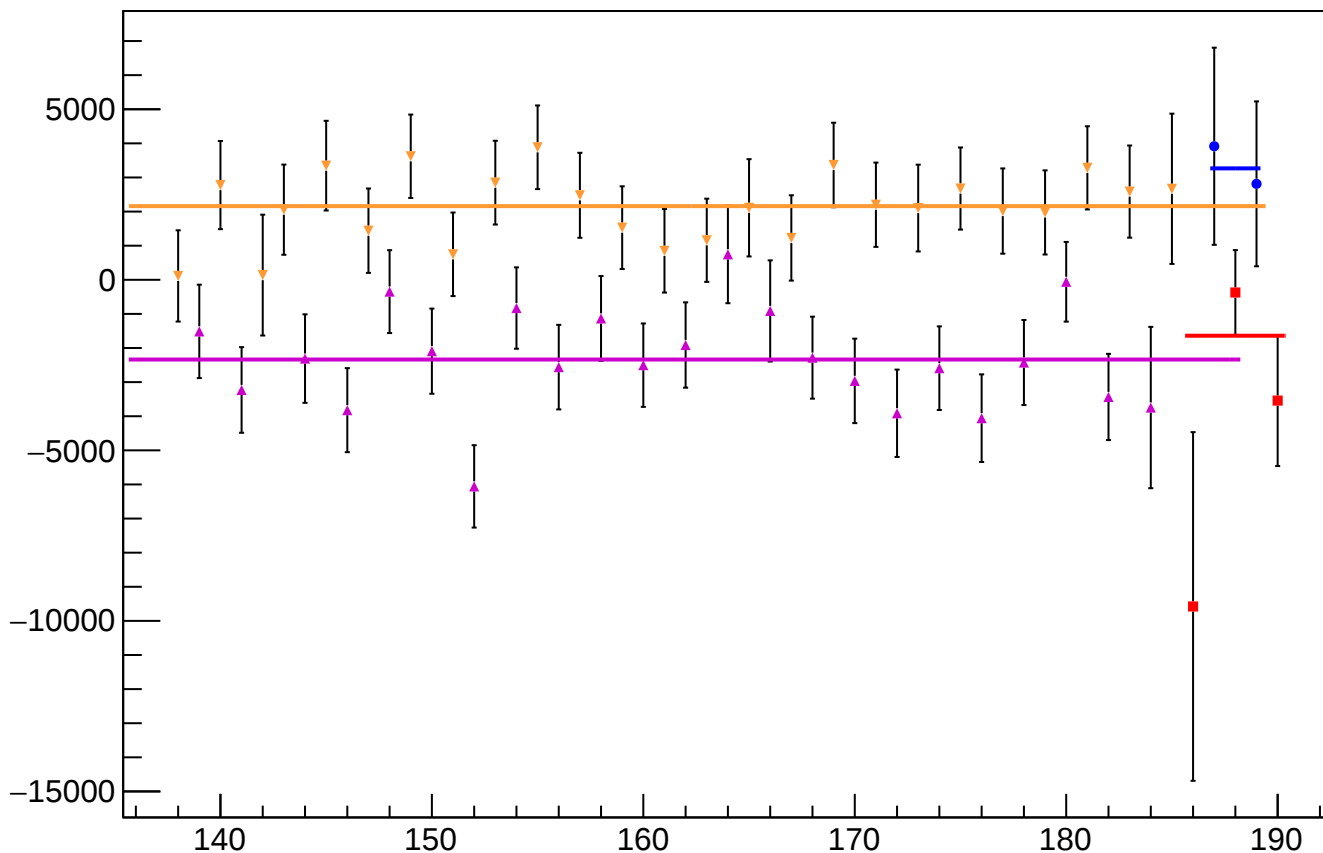
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ sign 1119.778 $\pm$ 0.186 χ^2 /NDF: 11119.7/25

All: 1123.129 $\pm$ 0.131 χ^2 /NDF: 338117.1/51

- 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

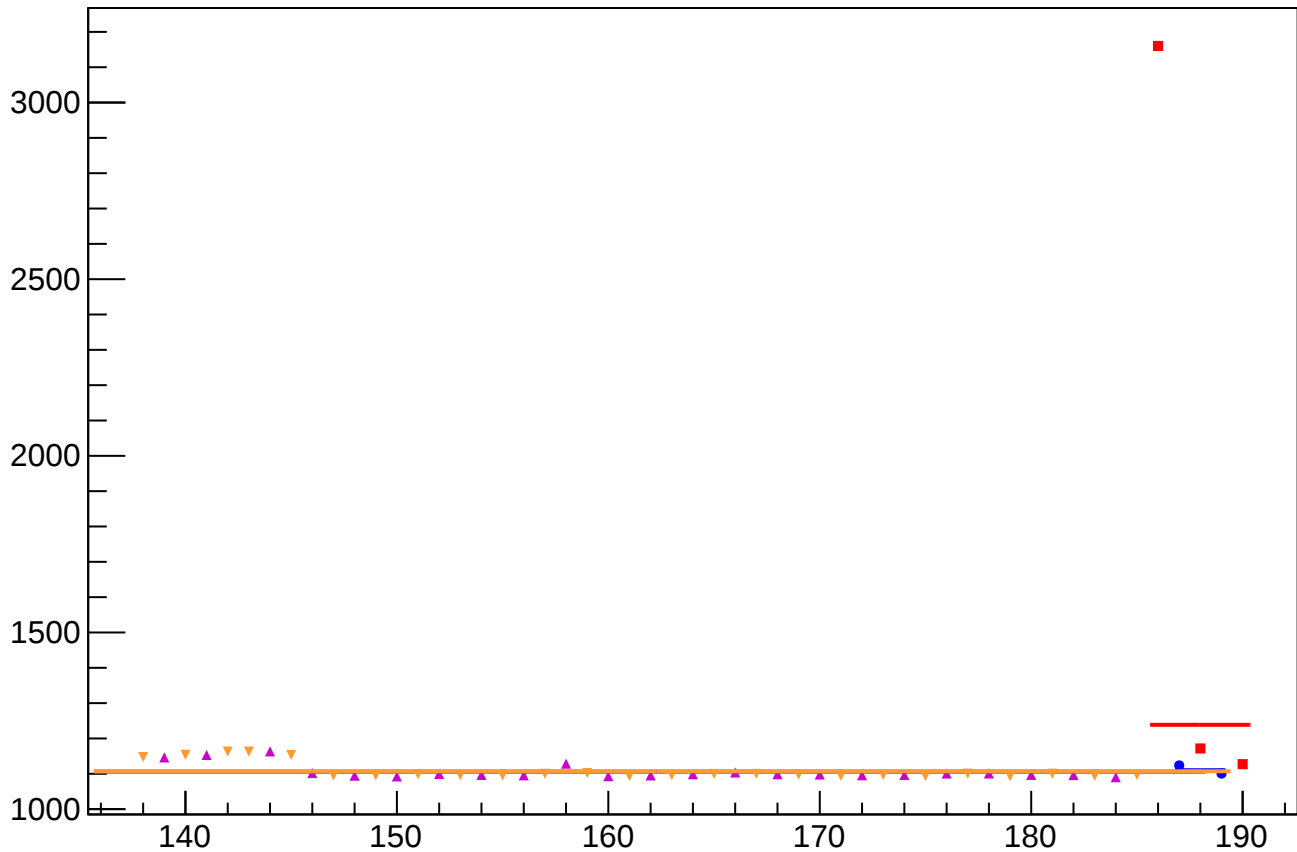
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ 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

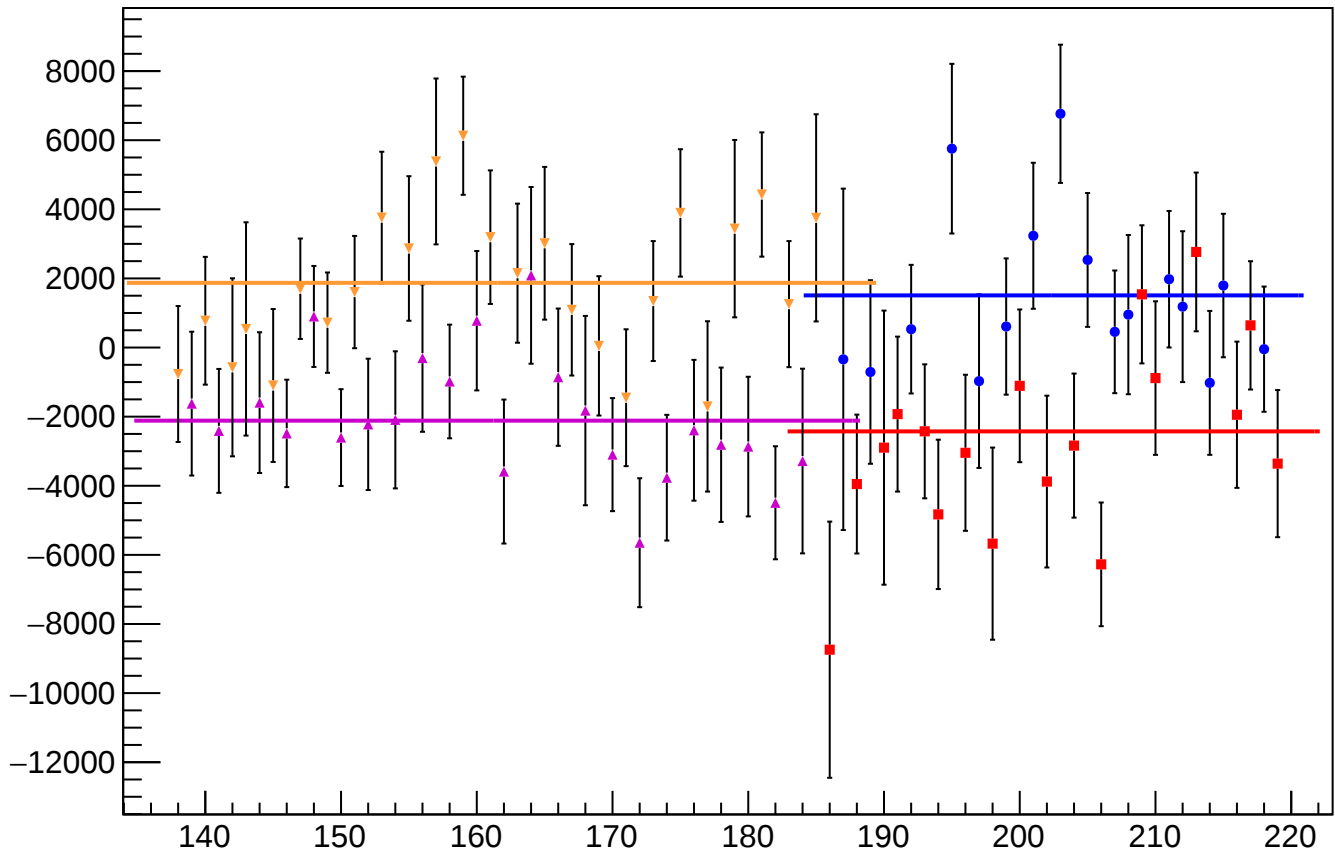
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

+ 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: 1509.135 ± 532.017 $\chi^2/\text{NDF}: 15.9/15$

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

Right Out: -2426.995 ± 521.708 $\chi^2/\text{NDF}: 24.1/17$

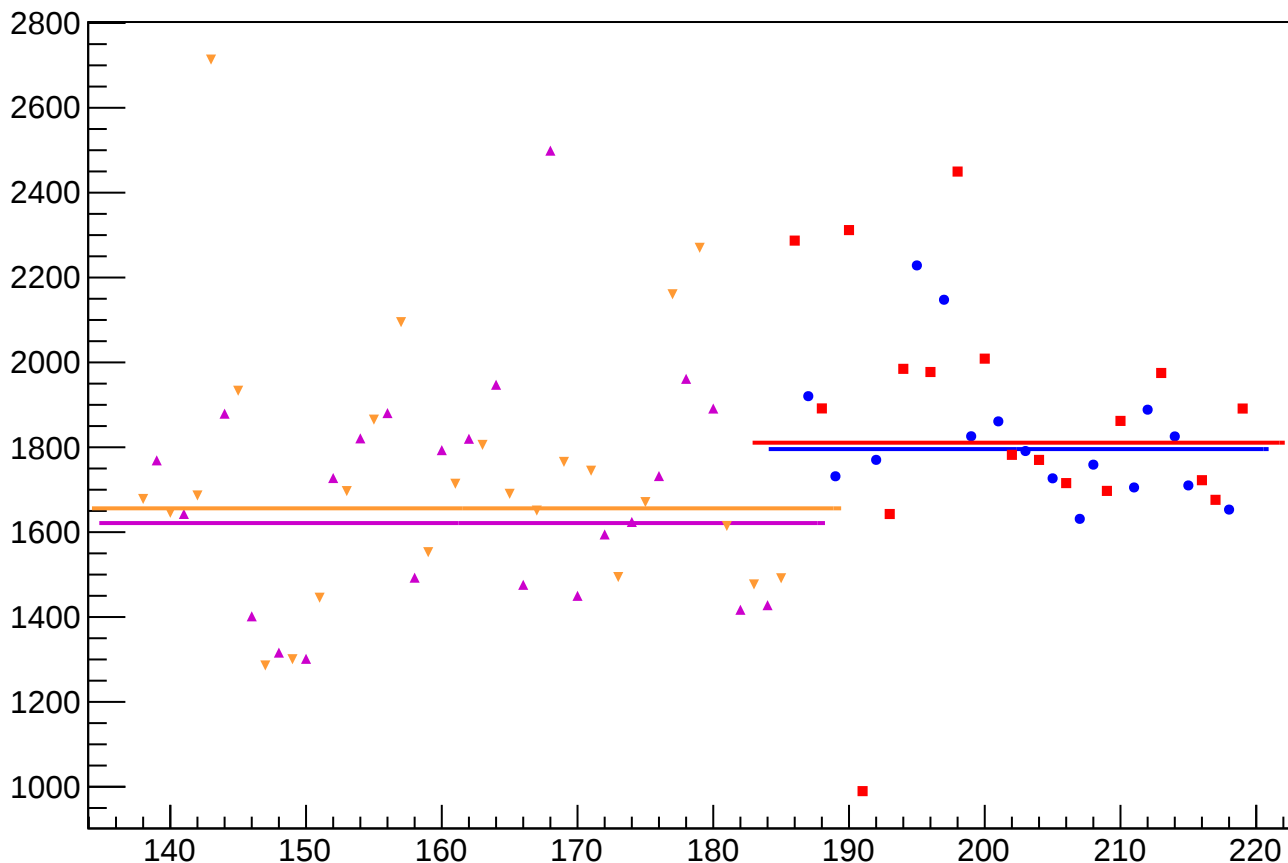
Left In: -2116.114 ± 392.997 $\chi^2/\text{NDF}: 18.8/22$

+ sign 1744.217 ± 315.420 $\chi^2/\text{NDF}: 42.3/40$

All: -251.811 ± 222.497 $\chi^2/\text{NDF}: 165.1/81$

- sign -2228.659 ± 313.901 $\chi^2/\text{NDF}: 43.1/40$

asym_us_agg_avg_rms vs Slug



Right In: 1795.735 $\pm$ 0.376 χ^2 /NDF: 150830.5/15

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

Right Out: 1810.812 $\pm$ 0.369 χ^2 /NDF: 538153.9/17

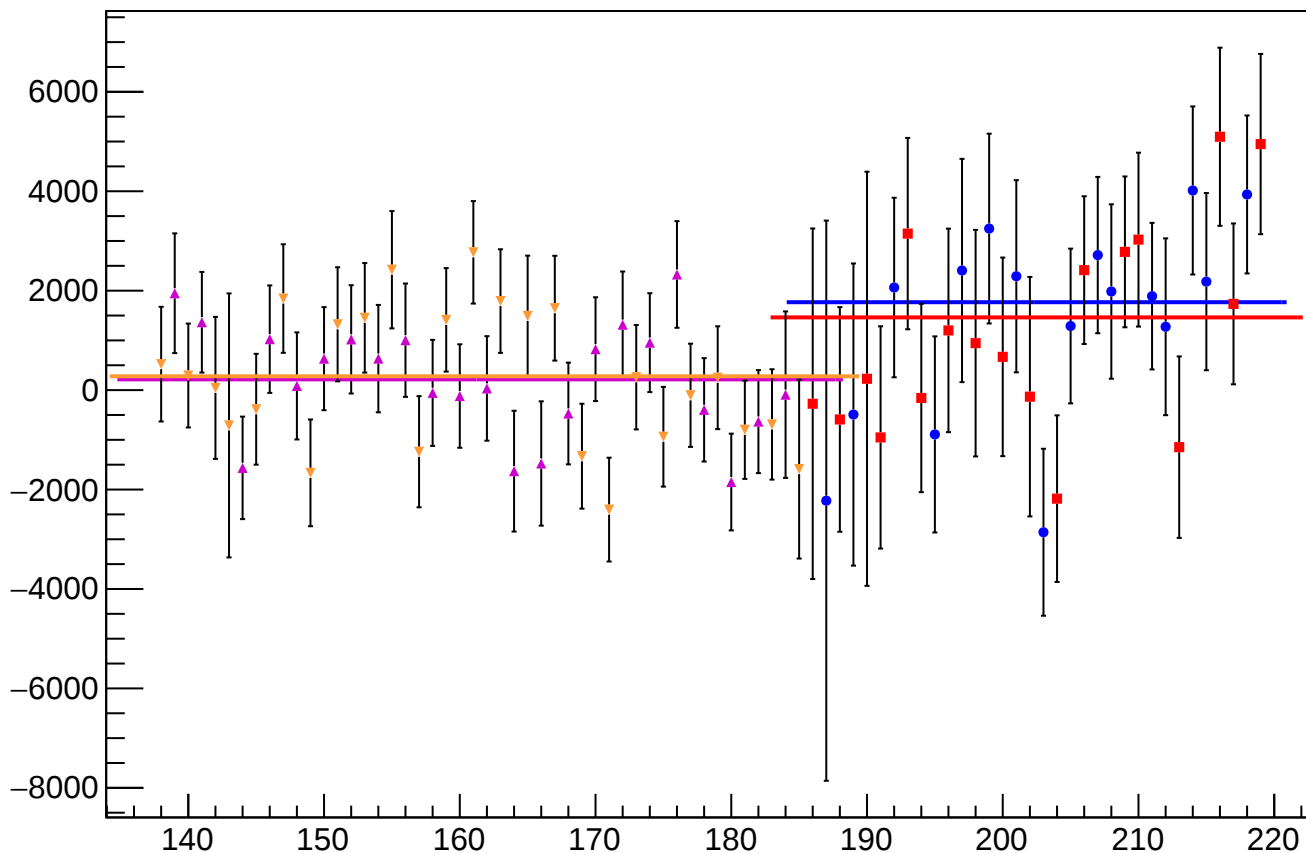
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1705.194 $\pm$ 0.223 χ^2 /NDF: 1150725.0/40

All: 1697.551 $\pm$ 0.157 χ^2 /NDF: 2634686.5/83

- sign 1689.982 $\pm$ 0.222 χ^2 /NDF: 1481624.1/40

asym_us_agg_dd_mean vs Slug



Right In: 1768.173 $\pm$ 457.448 χ^2 /NDF: 15.5/15

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

Right Out: 1462.724 $\pm$ 456.162 χ^2 /NDF: 21.1/17

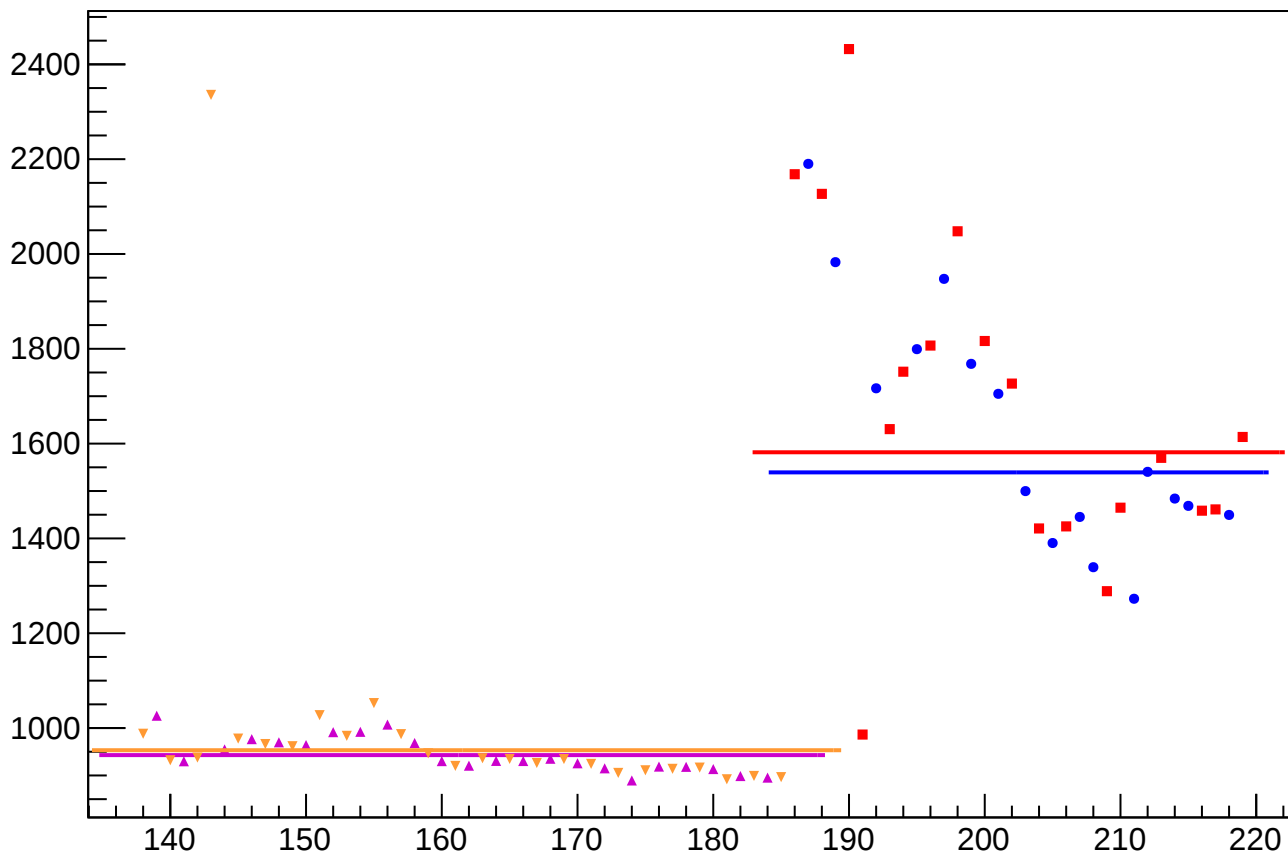
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 565.410 $\pm$ 200.872 χ^2 /NDF: 62.5/40

All: 513.608 $\pm$ 142.512 χ^2 /NDF: 114.1/81

- sign 461.107 $\pm$ 202.221 χ^2 /NDF: 51.5/40

asym_us_agg_dd_rms vs Slug



Right In: 1539.305+/-0.323 χ^2/NDF : 362555.0/15

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

Right Out: 1581.716+/-0.323 χ^2/NDF : 702583.6/17

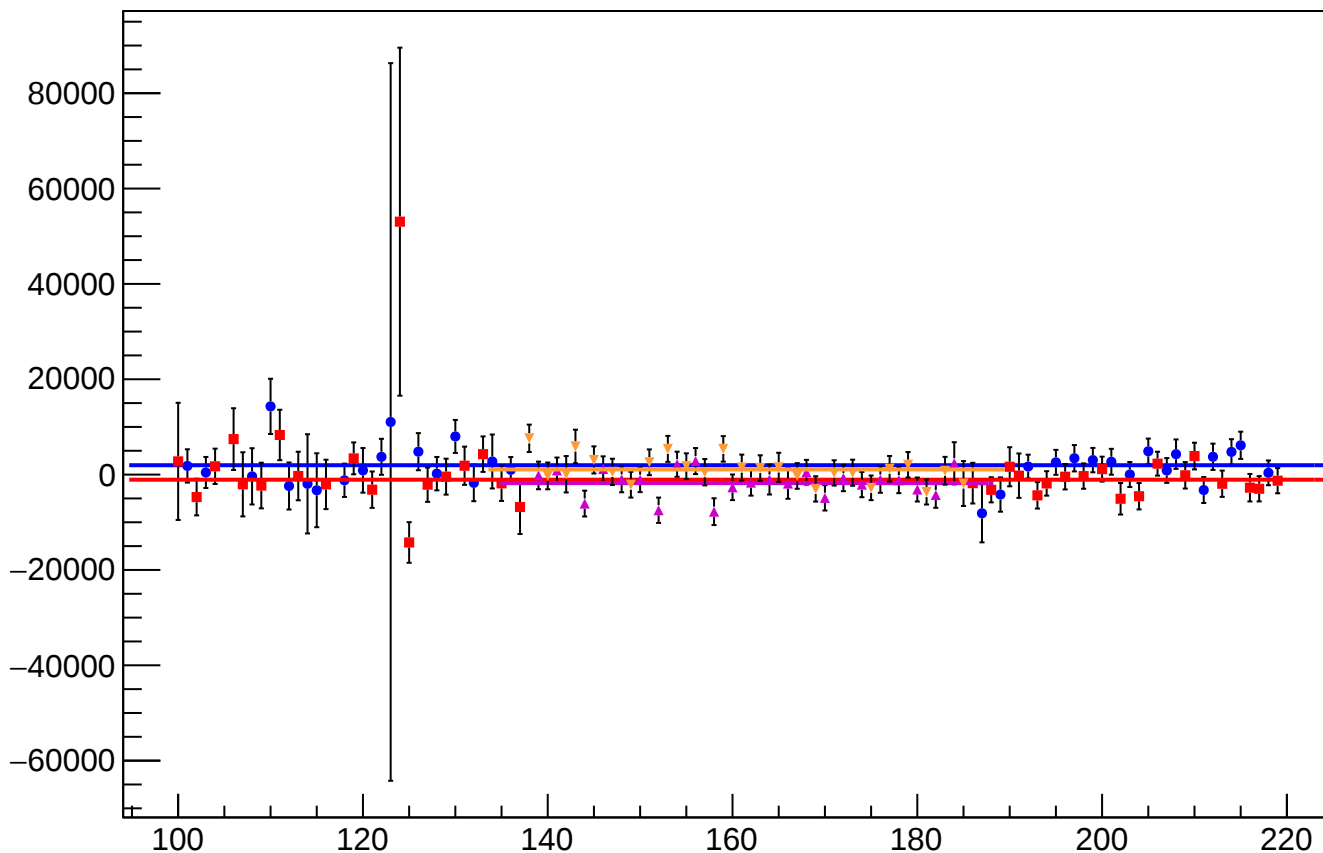
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1066.230+/-0.142 χ^2/NDF : 3618768.1/40

All: 1067.339+/-0.101 χ^2/NDF : 7521103.5/81

- sign 1068.463+/-0.143 χ^2/NDF : 3902212.7/40

reg_asym_atl1_mean vs Slug



Right In: 1968.903 $\pm$ 575.563 χ^2 /NDF: 28.8/32

Left Out: 1078.054 $\pm$ 564.005 χ^2 /NDF: 23.6/24

Right Out: -1067.843 $\pm$ 564.459 χ^2 /NDF: 36.7/36

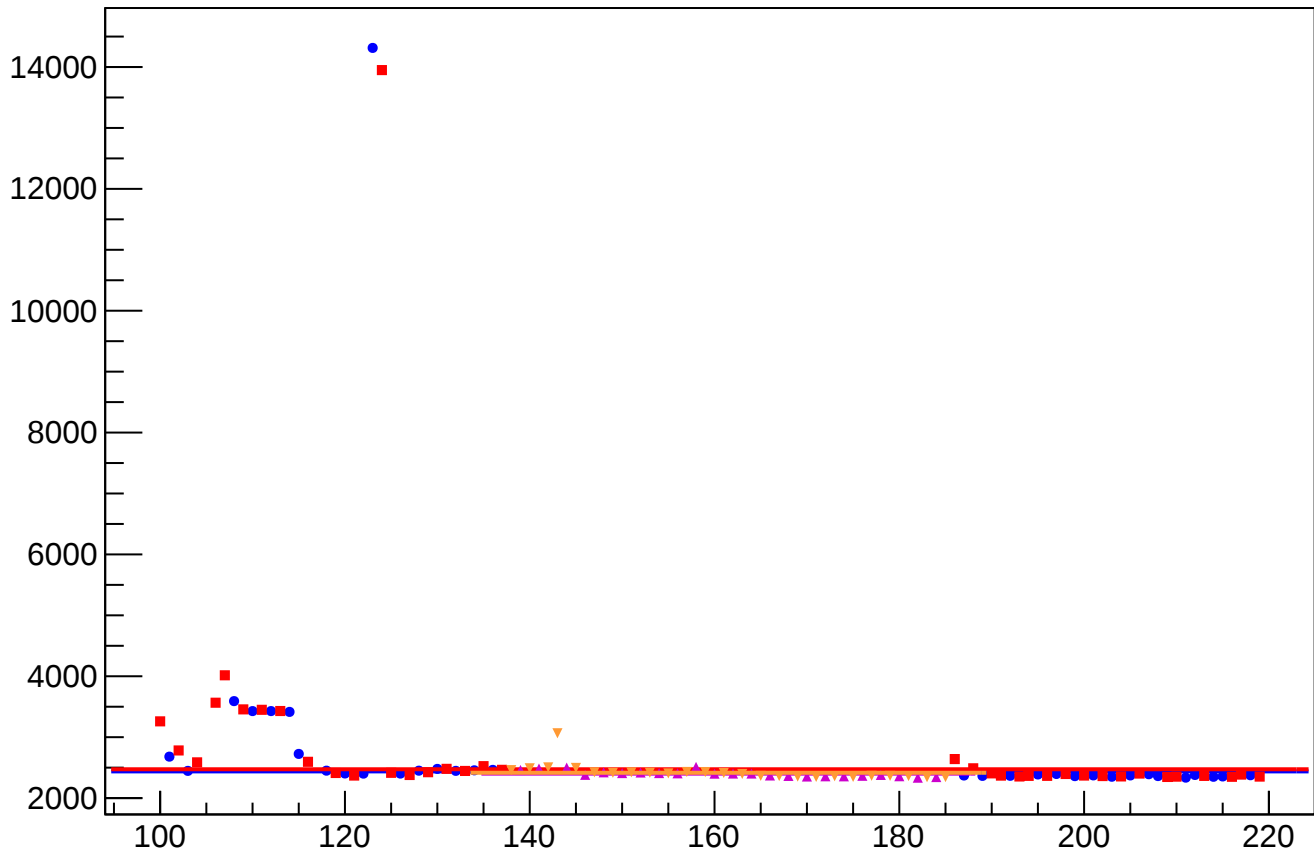
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1514.444 $\pm$ 402.836 χ^2 /NDF: 53.6/57

All: 50.558 $\pm$ 284.947 χ^2 /NDF: 141.6/117

- sign -1415.360 $\pm$ 403.115 χ^2 /NDF: 61.5/59

reg_asym_atl1_rms vs Slug



Right In: 2438.364 $\pm$ 0.407 χ^2 /NDF: 317473.8/32

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

Right Out: 2473.368 $\pm$ 0.399 χ^2 /NDF: 660086.1/36

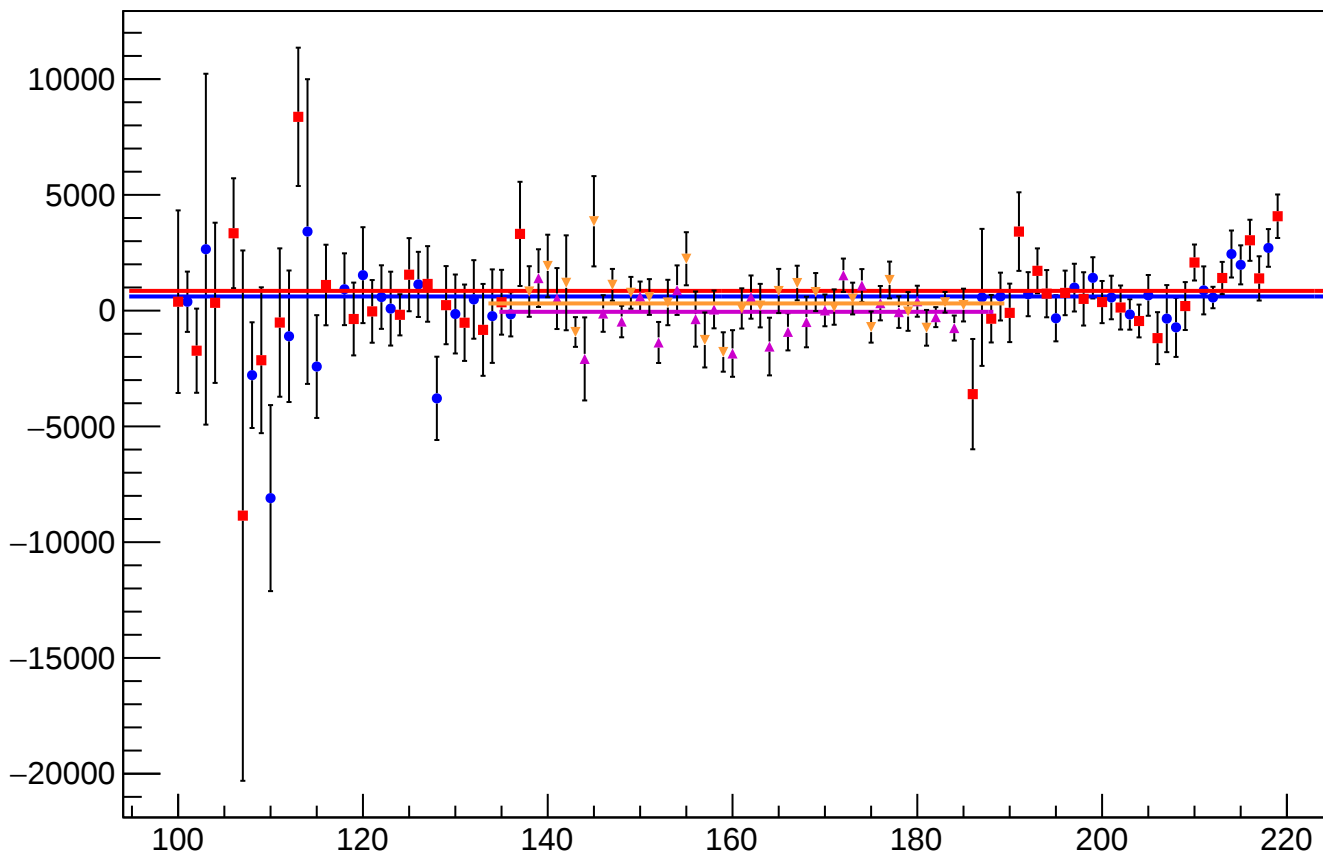
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2426.965 $\pm$ 0.285 χ^2 /NDF: 401647.7/57

All: 2432.537 $\pm$ 0.201 χ^2 /NDF: 1092167.4/11

- sign 2438.116 $\pm$ 0.285 χ^2 /NDF: 689754.0/59

asym_atl1_correction_mean vs Slug



Right In: 611.002 $\pm$ 194.997 χ^2 /NDF: 34.3/32

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

Right Out: 852.934 $\pm$ 199.353 χ^2 /NDF: 54.6/36

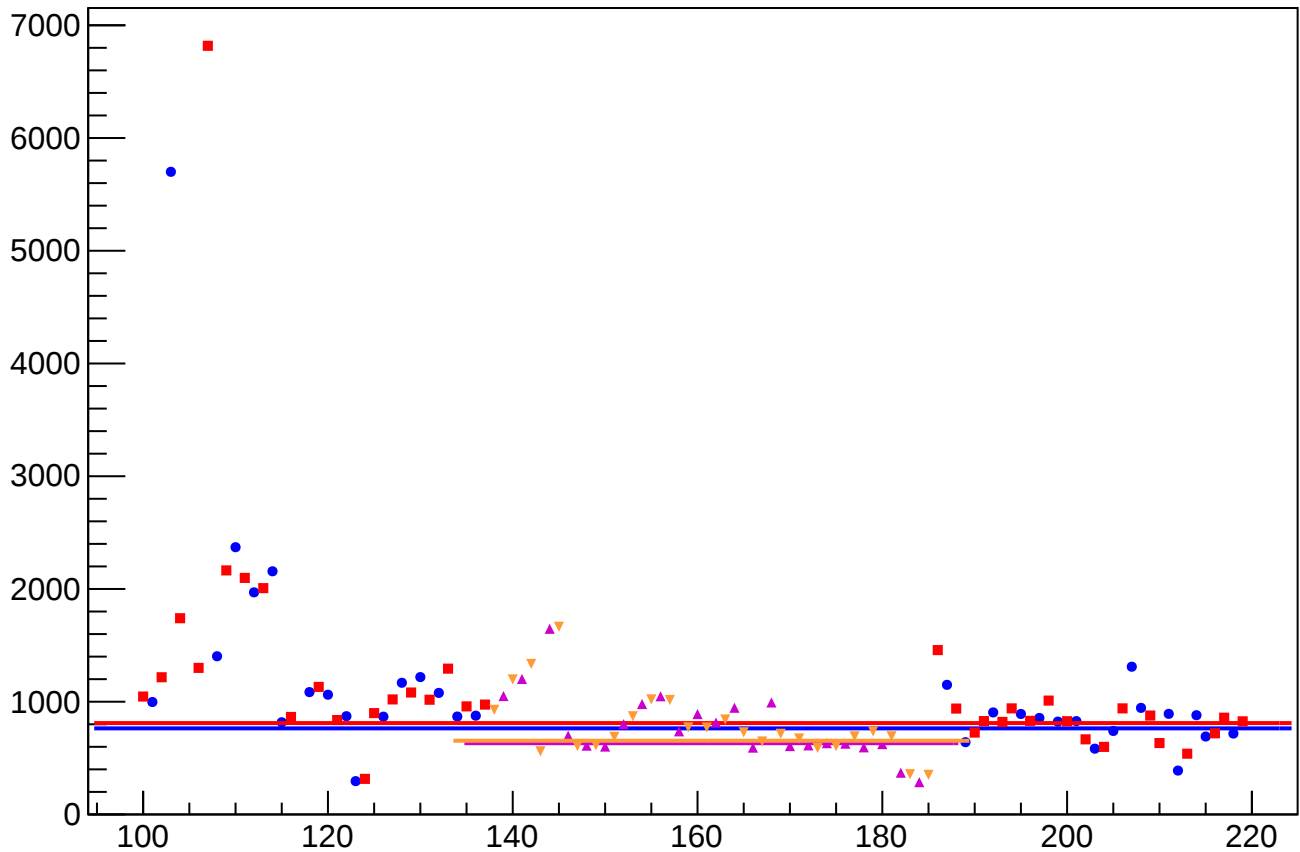
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF: 23.8/22

+ sign 432.220 $\pm$ 123.991 χ^2 /NDF: 65.4/57

All: 370.694 $\pm$ 88.239 χ^2 /NDF: 156.8/117

- sign 307.558 $\pm$ 125.603 χ^2 /NDF: 90.9/59

asym_atl1_correction_rms vs Slug



Right In: 763.559 $\pm$ 0.138 χ^2 /NDF: 4546512.3/32

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

Right Out: 810.535 $\pm$ 0.141 χ^2 /NDF: 3857548.6/36

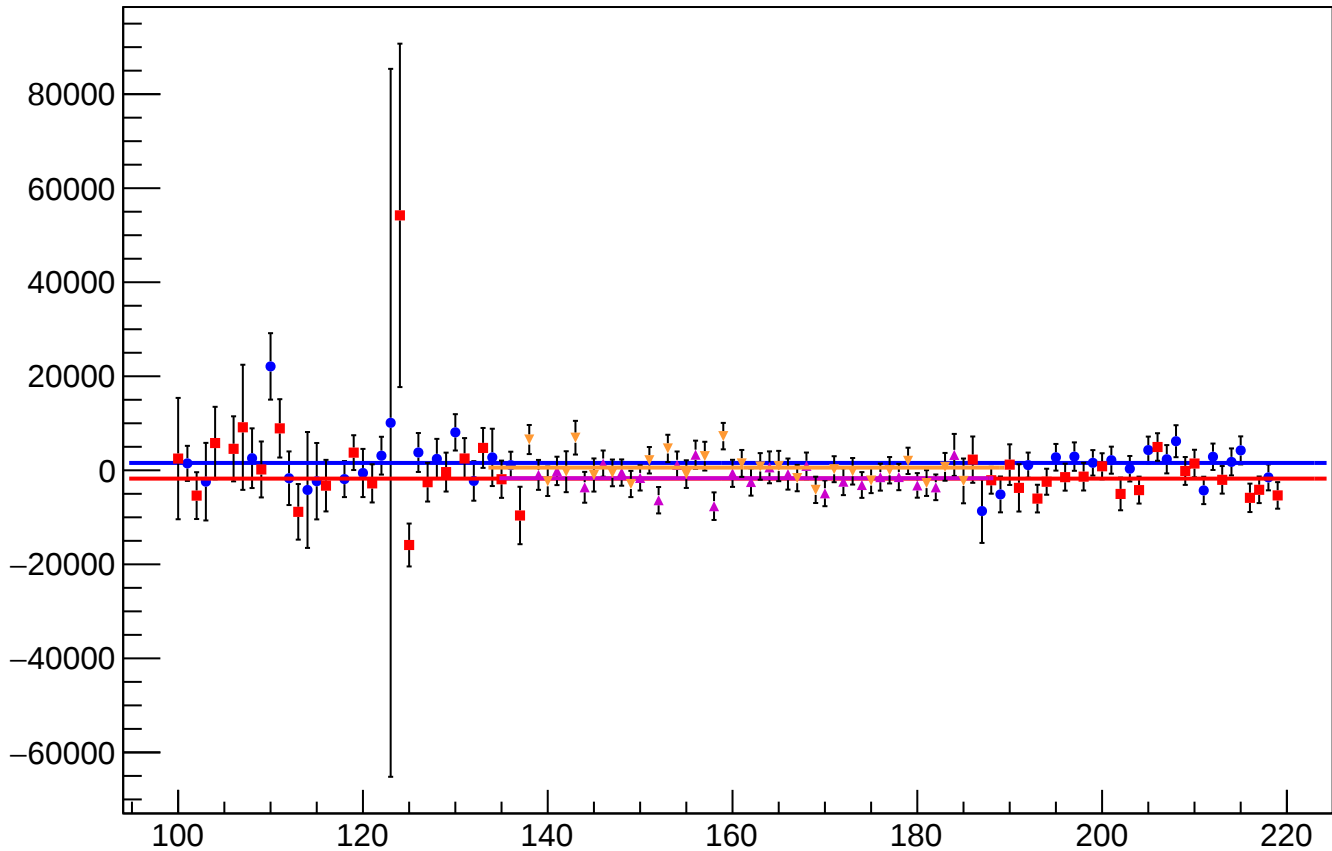
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 698.179 $\pm$ 0.088 χ^2 /NDF: 8178649.9/57

All: 700.511 $\pm$ 0.062 χ^2 /NDF: 16947239.0/1

- sign 702.904 $\pm$ 0.089 χ^2 /NDF: 8767155.5/59

asym_atl1_mean vs Slug



Right In: 1567.509 $\pm$ 629.237 χ^2 /NDF: 29.8/32

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

Right Out: -1767.020 $\pm$ 619.847 χ^2 /NDF: 44.0/36

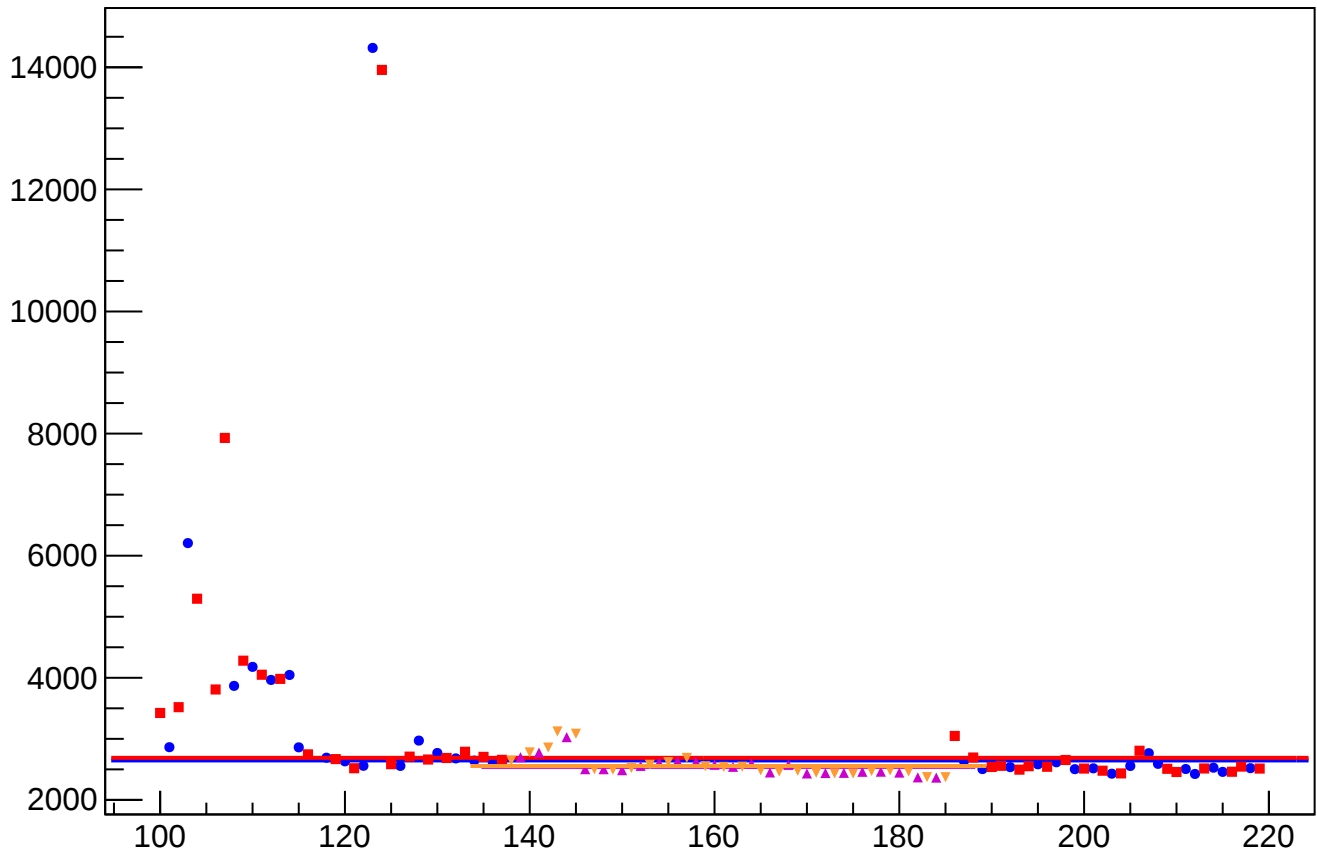
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 1048.416 $\pm$ 433.157 χ^2 /NDF: 56.5/57

All: -331.802 $\pm$ 306.873 χ^2 /NDF: 139.0/117

- sign -1722.604 $\pm$ 434.815 χ^2 /NDF: 62.1/59

asym_atl1_rms vs Slug



Right In: 2646.296 $\pm$ 0.445 χ^2 /NDF: 813810.7/32

Left Out: 2555.279 $\pm$ 0.422 χ^2 /NDF: 154743.6/24

Right Out: 2688.938 $\pm$ 0.438 χ^2 /NDF: 1304024.2/36

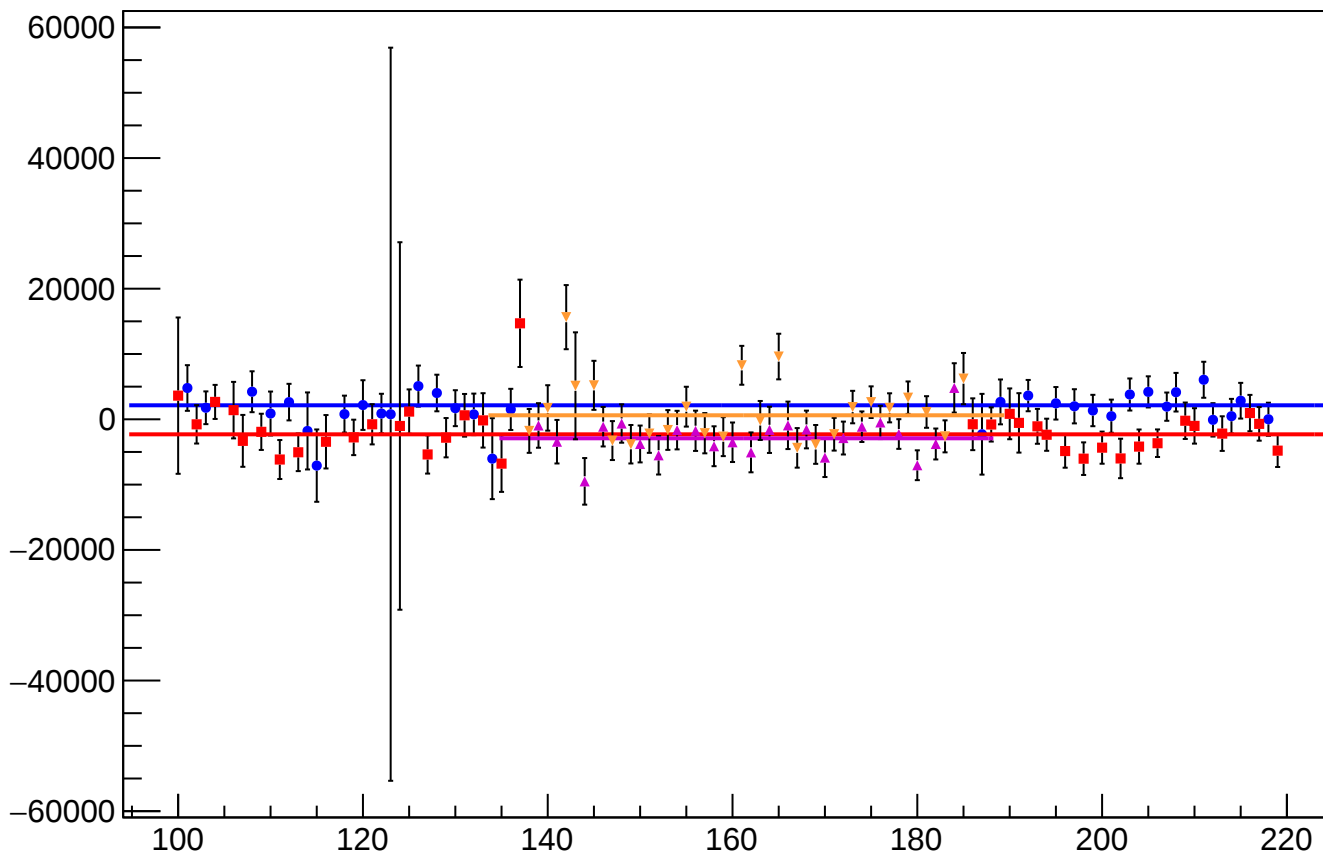
Left In: 2540.988 $\pm$ 0.431 χ^2 /NDF: 94756.7/22

+ sign 2598.410 $\pm$ 0.306 χ^2 /NDF: 990570.4/57

All: 2606.072 $\pm$ 0.217 χ^2 /NDF: 2448482.0/11

- sign 2613.792 $\pm$ 0.307 χ^2 /NDF: 1456655.3/59

reg_asym_atl2_mean vs Slug



Right In: 2144.764 $\pm$ 511.726 χ^2 /NDF: 15.2/32

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

Right Out: -2299.705 $\pm$ 498.191 χ^2 /NDF: 30.1/36

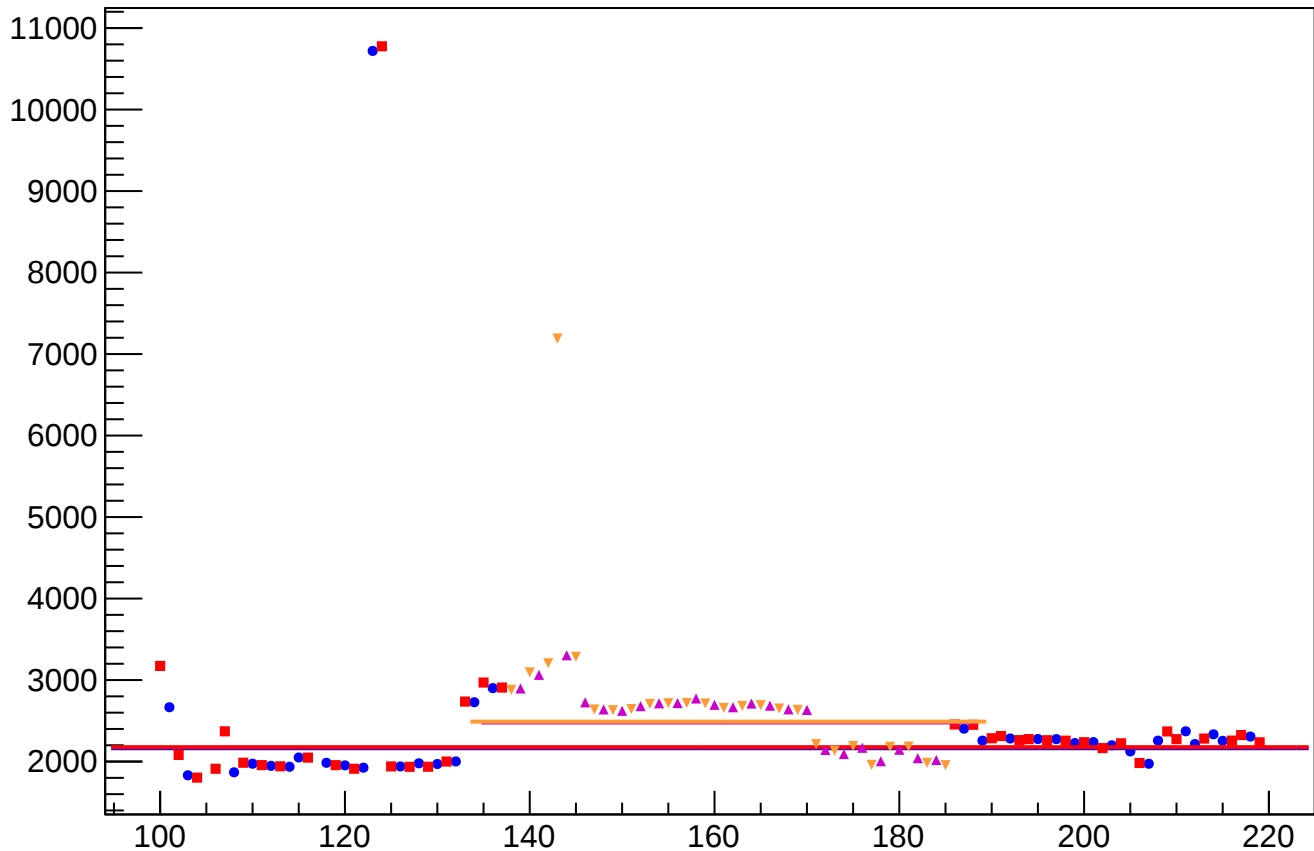
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF: 17.4/22

+ sign 1489.420 $\pm$ 386.901 χ^2 /NDF: 64.3/57

All: -548.951 $\pm$ 272.264 χ^2 /NDF: 167.3/117

- sign -2548.553 $\pm$ 383.204 χ^2 /NDF: 48.0/59

reg_asym_atl2_rms vs Slug



Right In: 2163.561 $\pm$ 0.362 χ^2 /NDF: 417488.8/32

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

Right Out: 2176.591 $\pm$ 0.352 χ^2 /NDF: 577722.4/36

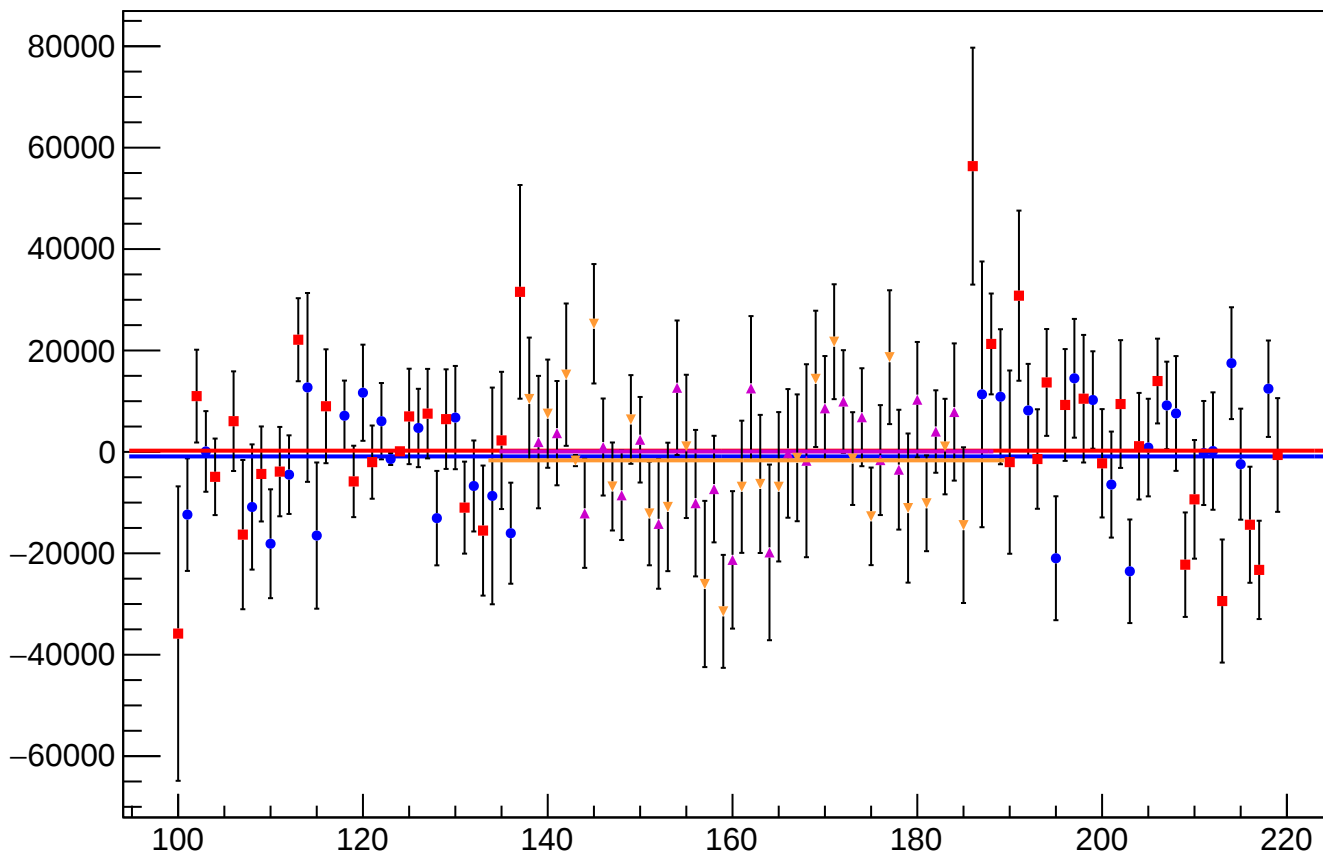
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF: 668398.2/22

+ sign 2303.212 $\pm$ 0.274 χ^2 /NDF: 2129419.3/57

All: 2301.702 $\pm$ 0.193 χ^2 /NDF: 3677219.4/11

- sign 2300.221 $\pm$ 0.271 χ^2 /NDF: 1547739.7/59

asym_atl2_correction_mean vs Slug



Right In: -895.666+/-981.439 χ^2/NDF : 35.7/32

Left Out: -1665.417+/-993.060 χ^2/NDF : 32.4/24

Right Out: 243.644+/-672.834 χ^2/NDF : 59.8/36

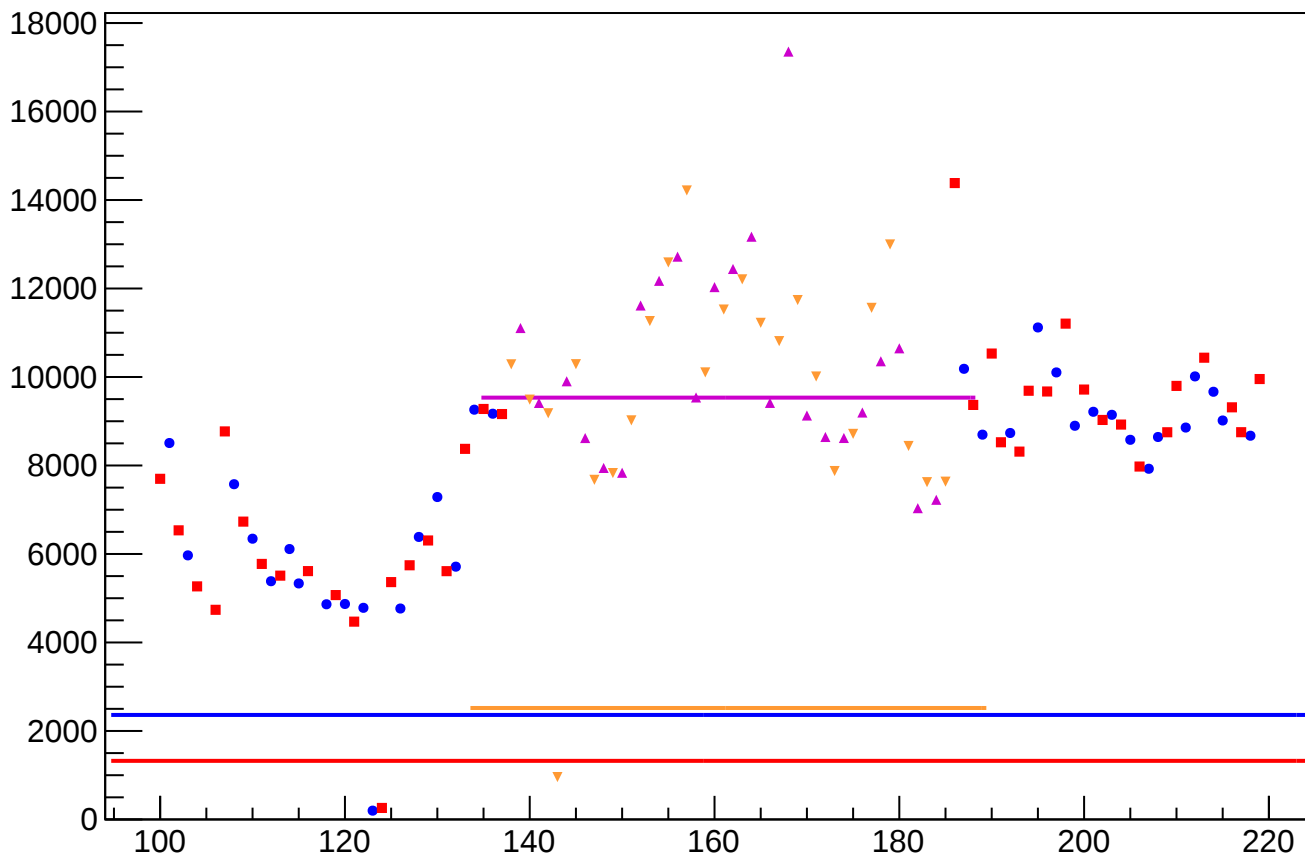
Left In: 80.274+/-2331.531 χ^2/NDF : 13.8/22

+ sign -1276.011+/-698.054 χ^2/NDF : 68.4/57

All: -464.709+/-474.306 χ^2/NDF : 144.5/117

- sign 231.085+/-646.455 χ^2/NDF : 73.6/59

asym_atl2_correction_rms vs Slug



Right In: 2362.166+/-0.694 χ^2/NDF : 24576057.5/32

Left Out: 2519.359+/-0.702 χ^2/NDF : 23642118.3/24

Right Out: 1324.464+/-0.476 χ^2/NDF : 30952681.1/36

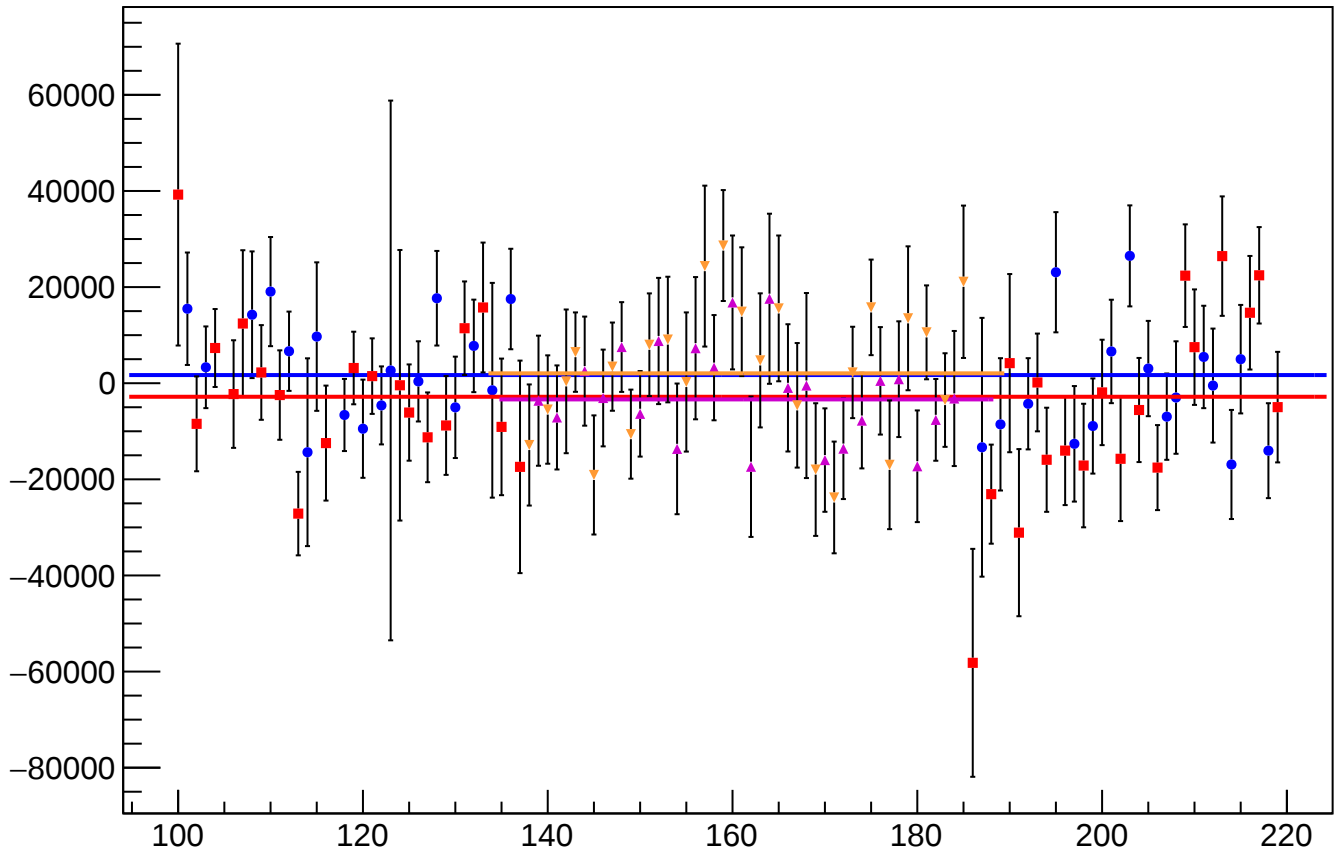
Left In: 9533.563+/-1.649 χ^2/NDF : 1316640.0/22

+ sign 2439.837+/-0.494 χ^2/NDF : 48243527.0/57

All: 2179.135+/-0.335 χ^2/NDF : 103918550.4

- sign 1955.551+/-0.457 χ^2/NDF : 55156823.3/59

asym_atl2_mean vs Slug



Right In: 1695.924+/-1872.356 χ^2/NDF : 33.9/32

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

Right Out: -2818.677+/-1820.857 χ^2/NDF : 60.4/36

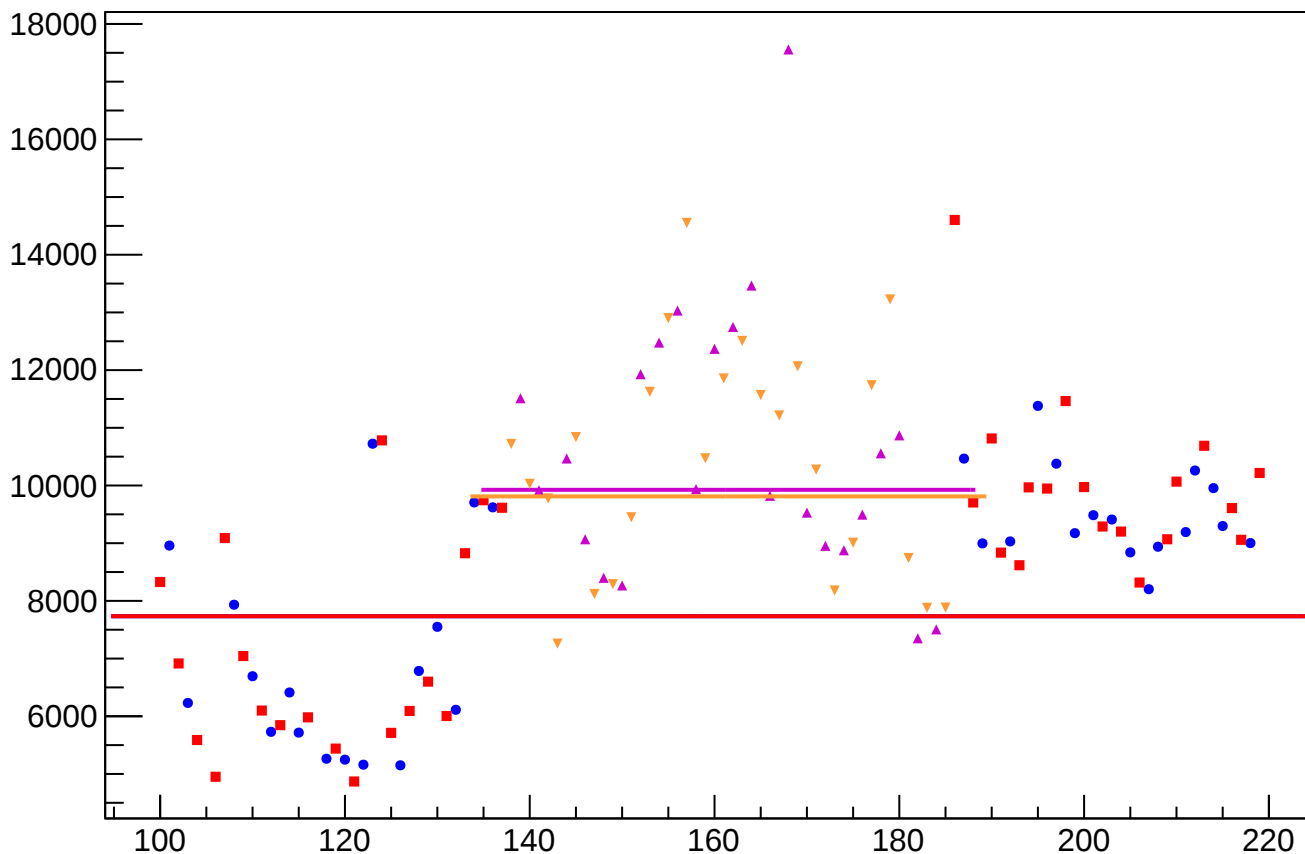
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 1836.932+/-1460.365 χ^2/NDF : 64.6/57

All: -598.471+/-1030.980 χ^2/NDF : 143.8/117

- sign -3018.329+/-1455.697 χ^2/NDF : 73.6/59

asym_atl2_rms vs Slug



Right In: 7733.503+/-1.324 χ^2/NDF : 1968645.2/32

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

Right Out: 7733.769+/-1.287 χ^2/NDF : 2479625.6/36

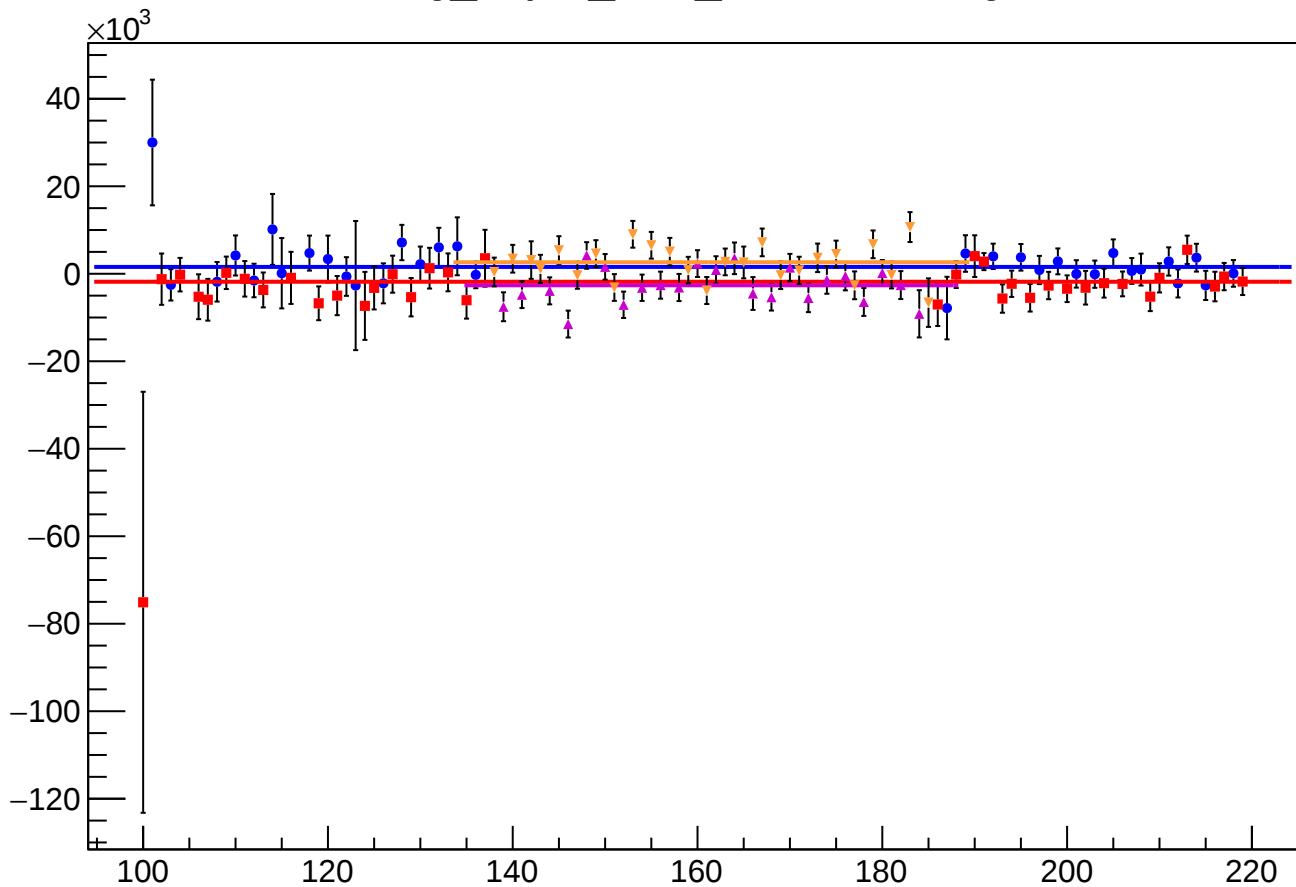
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

+ sign 8547.172+/-1.033 χ^2/NDF : 4146913.8/57

All: 8535.841+/-0.729 χ^2/NDF : 8883904.1/11

- sign 8524.583+/-1.029 χ^2/NDF : 4736750.3/59

reg_asym_atr1_mean vs Slug



Right In: 1562.808 $\pm$ 661.984 χ^2 /NDF: 22.7/32

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

Right Out: -1825.689 $\pm$ 609.457 χ^2 /NDF: 28.4/36

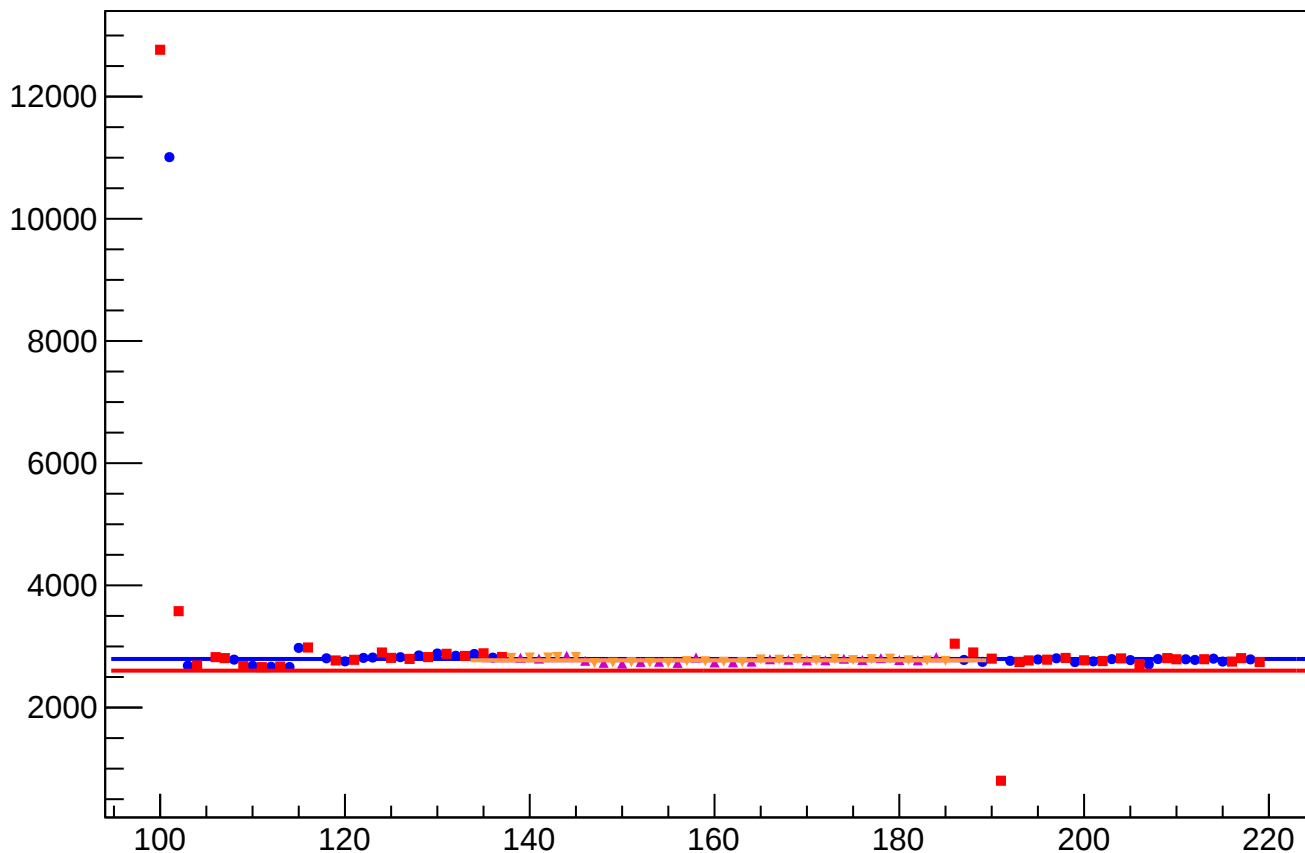
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2112.331 $\pm$ 462.383 χ^2 /NDF: 59.1/57

All: -104.792 $\pm$ 322.182 χ^2 /NDF: 168.3/117

- sign -2197.048 $\pm$ 449.174 χ^2 /NDF: 64.5/59

reg_asym_atr1_rms vs Slug



Right In: 2795.373+/-0.468 χ^2/NDF : 667046.5/32

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

Right Out: 2604.072+/-0.431 χ^2/NDF : 2041078.9/36

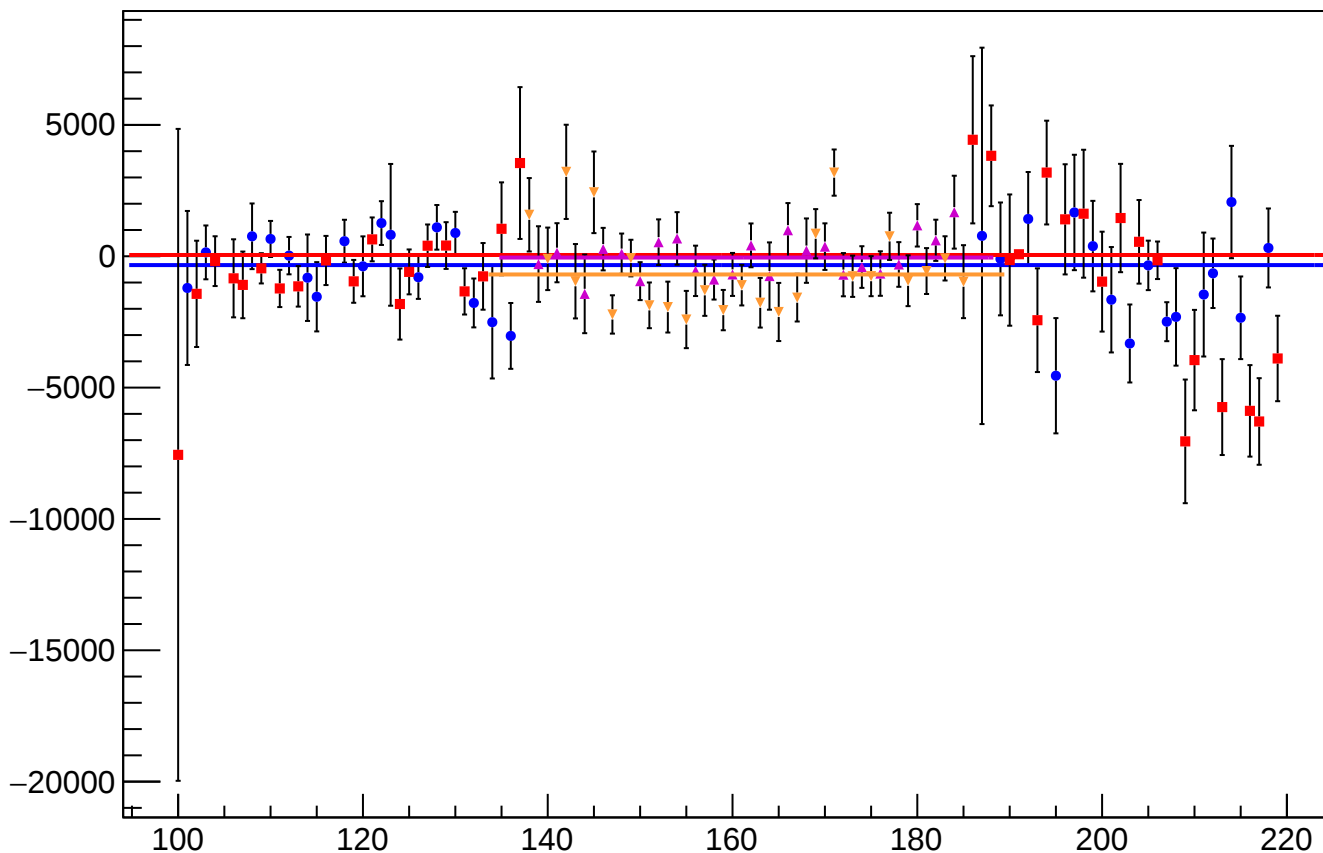
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2784.280+/-0.327 χ^2/NDF : 672759.5/57

All: 2731.512+/-0.228 χ^2/NDF : 2840509.0/11

- sign 2681.716+/-0.318 χ^2/NDF : 2117120.5/59

asym_atr1_correction_mean vs Slug



Right In: -335.960 ± 203.844 χ^2/NDF : 46.1/32

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

Right Out: 48.477 ± 37.773 χ^2/NDF : 86.1/36

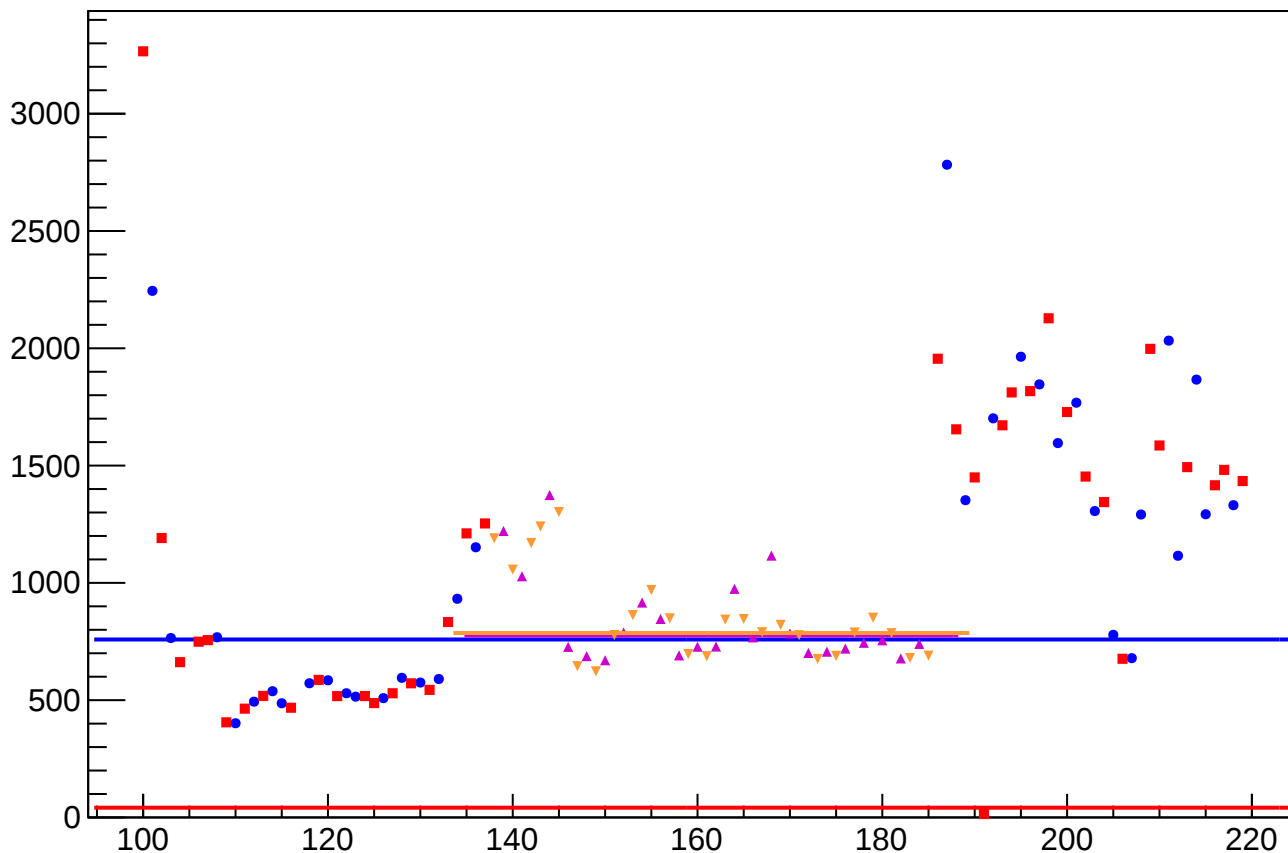
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -529.453 ± 137.918 χ^2/NDF : 103.7/57

All: 6.098 ± 35.774 χ^2/NDF : 219.9/117

- sign 44.731 ± 37.042 χ^2/NDF : 100.0/59

asym_atr1_correction_rms vs Slug



Right In: 758.687 ± 0.144 χ^2/NDF : 7598849.3/32

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

Right Out: 41.626 ± 0.027 χ^2/NDF : 35082845.9/36

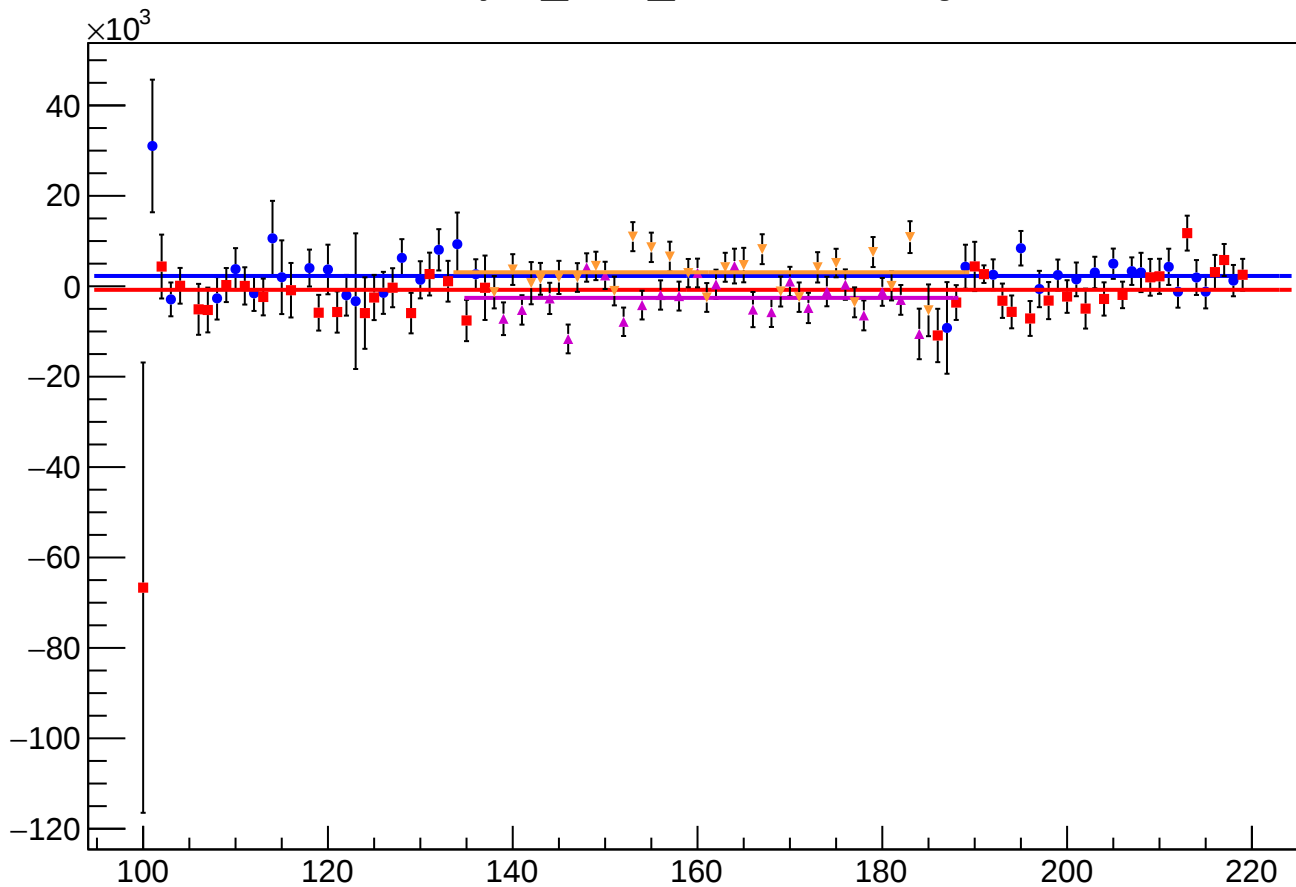
Left In: 775.930 ± 0.134 χ^2/NDF : 1056766.5/22

+ sign 773.591 ± 0.098 χ^2/NDF : 8868103.3/57

All: 117.130 ± 0.025 χ^2/NDF : 122561177.9/32

- sign 69.776 ± 0.026 χ^2/NDF : 65113705.5/59

asym_atr1_mean vs Slug



Right In: 2277.660 ± 733.592 $\chi^2/\text{NDF}: 22.2/32$

Left Out: 3094.826 ± 678.510 $\chi^2/\text{NDF}: 38.7/24$

Right Out: -789.447 ± 672.062 $\chi^2/\text{NDF}: 42.9/36$

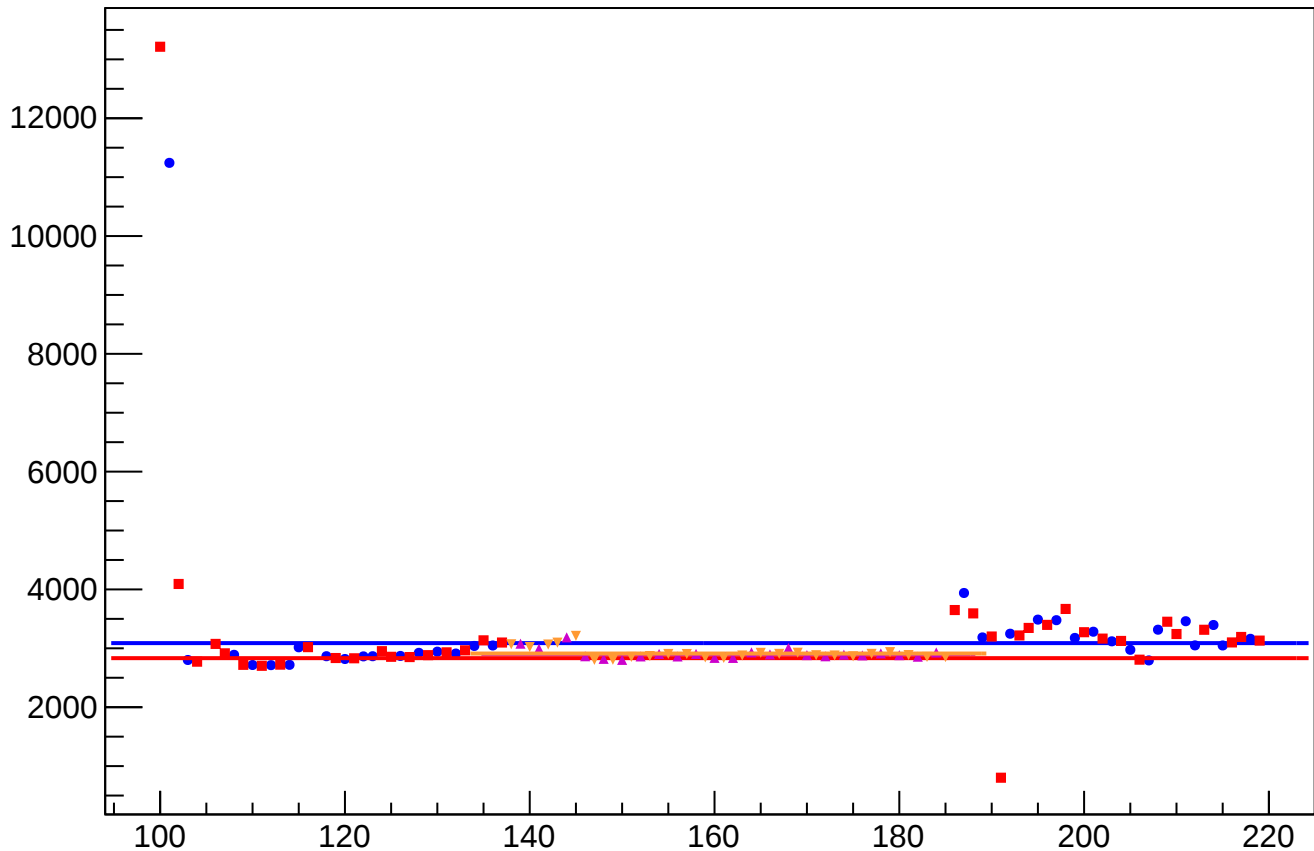
Left In: -2573.184 ± 695.795 $\chi^2/\text{NDF}: 35.7/22$

+ sign 2718.070 ± 498.115 $\chi^2/\text{NDF}: 61.5/57$

All: 468.332 ± 346.898 $\chi^2/\text{NDF}: 183.1/117$

- sign -1650.377 ± 483.392 $\chi^2/\text{NDF}: 82.0/59$

asym_atr1_rms vs Slug



Right In: 3088.240+/-0.519 χ^2/NDF : 822977.9/32

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

Right Out: 2832.795+/-0.475 χ^2/NDF : 2858273.1/36

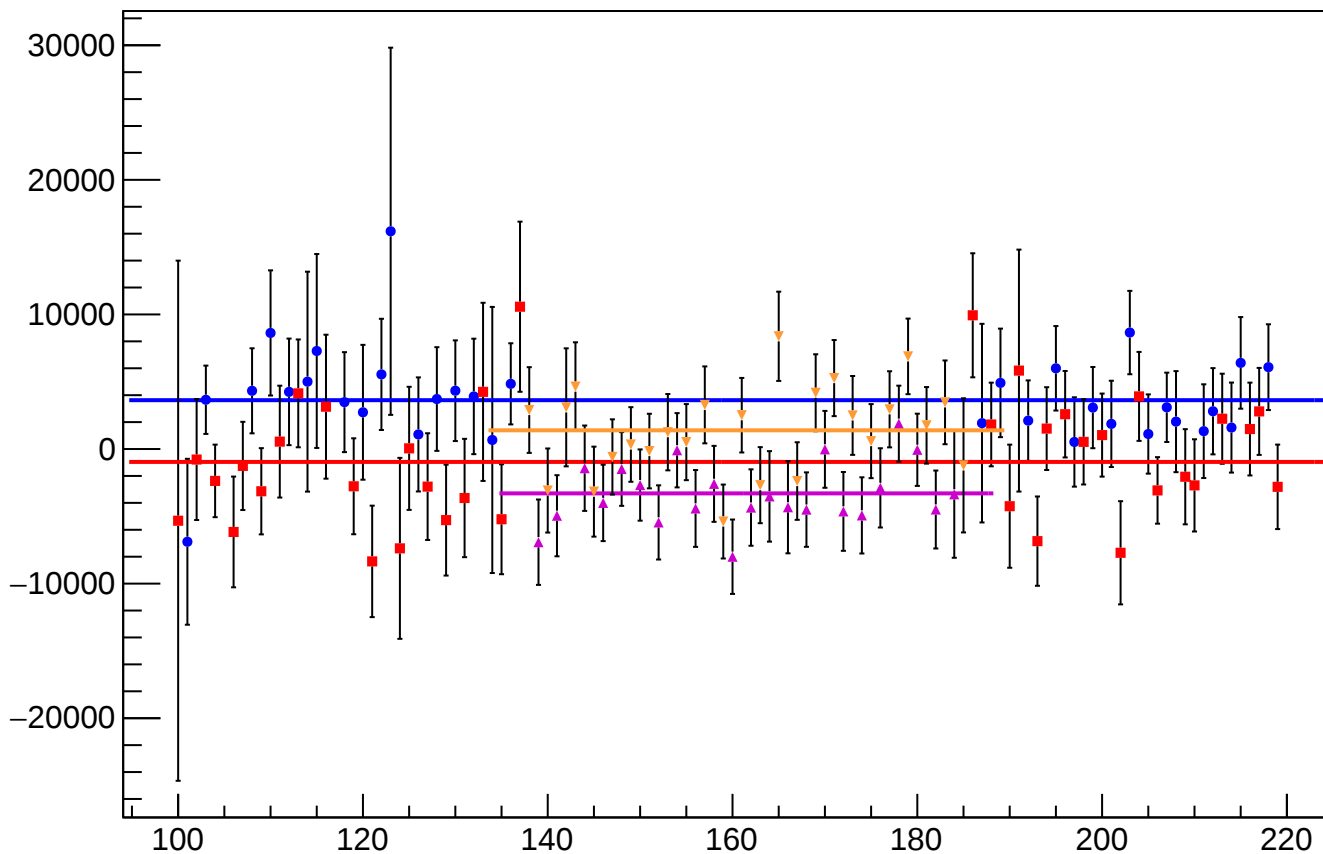
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2992.838+/-0.352 χ^2/NDF : 922382.0/57

All: 2927.969+/-0.245 χ^2/NDF : 3886014.1/11

- sign 2866.878+/-0.342 χ^2/NDF : 2897768.9/59

reg_asym_atr2_mean vs Slug



Right In: 3628.888 $\pm$ 637.782 χ^2 /NDF: 14.1/32

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

Right Out: -957.736 $\pm$ 614.042 χ^2 /NDF: 38.5/36

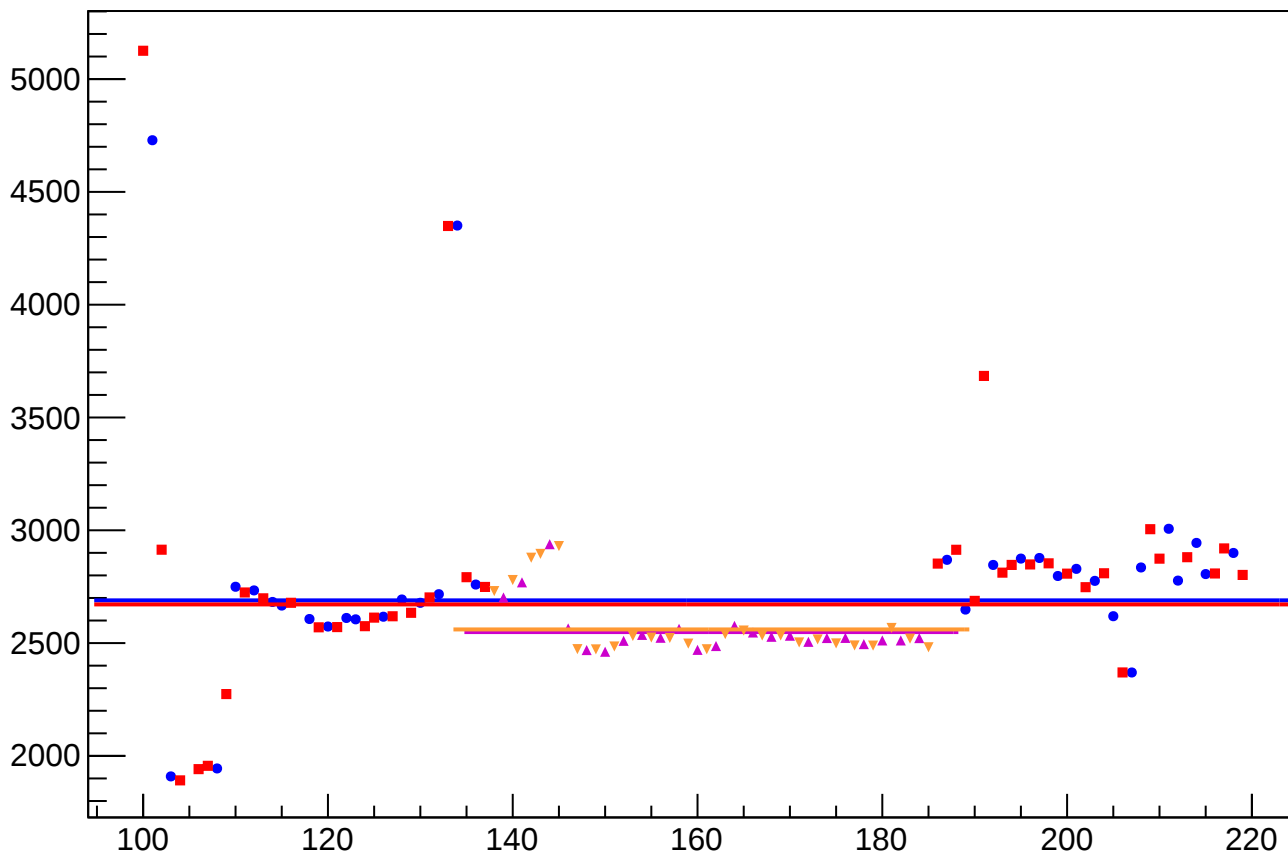
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF: 14.9/22

+ sign 2434.822 $\pm$ 435.659 χ^2 /NDF: 49.8/57

All: 134.982 $\pm$ 307.025 χ^2 /NDF: 165.8/117

- sign -2134.286 $\pm$ 432.754 χ^2 /NDF: 60.6/59

reg_asym_atr2_rms vs Slug



Right In: 2689.377 $\pm$ 0.451 χ^2 /NDF: 685022.6/32

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

Right Out: 2671.429 $\pm$ 0.434 χ^2 /NDF: 682258.9/36

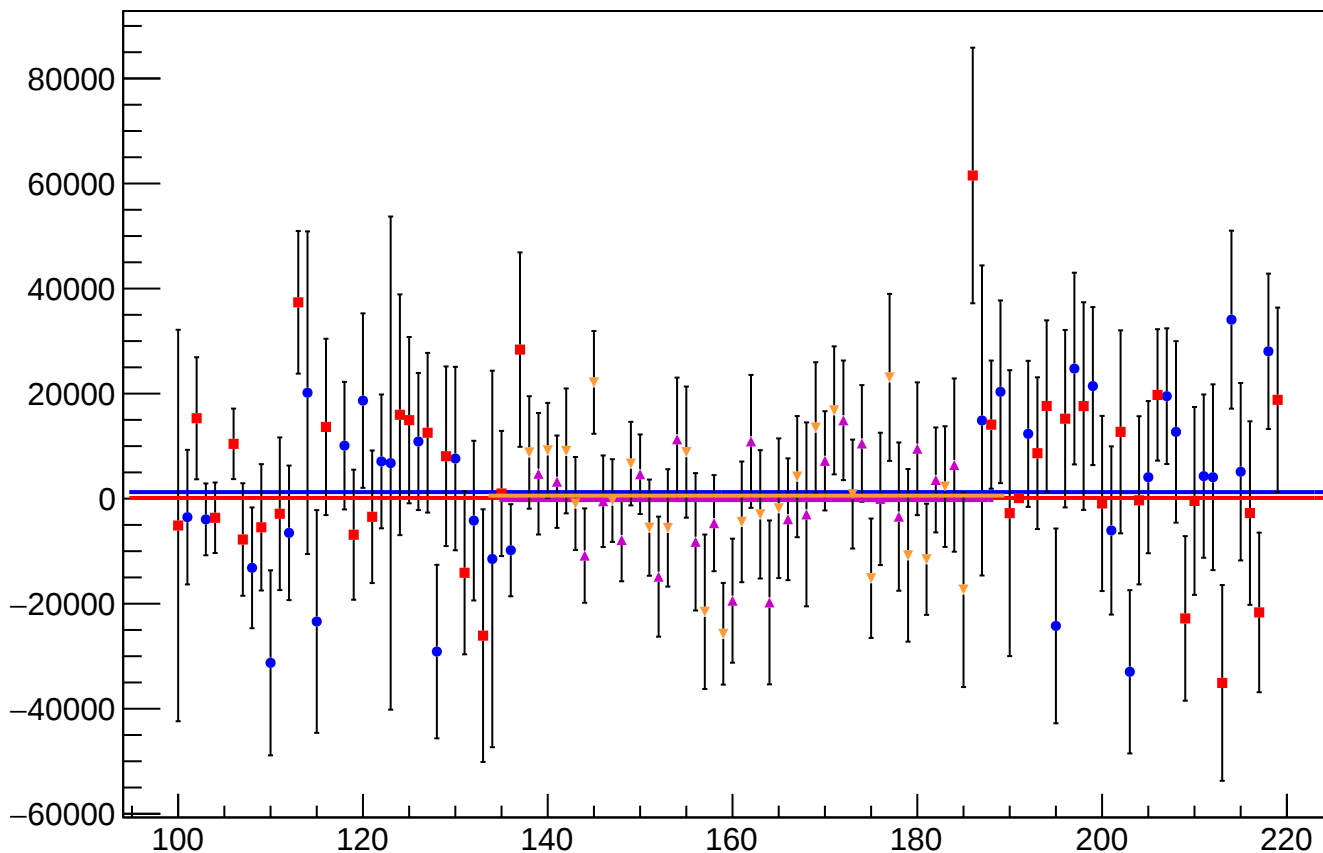
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2620.651 $\pm$ 0.308 χ^2 /NDF: 815332.5/57

All: 2615.161 $\pm$ 0.217 χ^2 /NDF: 1593590.0/11

- sign 2609.744 $\pm$ 0.306 χ^2 /NDF: 777626.5/59

asym_atr2_correction_mean vs Slug



Right In: 1244.942 $\pm$ 2527.008 χ^2 /NDF: 37.6/32

Left Out: 572.477 $\pm$ 2184.376 χ^2 /NDF:28.2/24

Right Out: 136.649 $\pm$ 194.865 χ^2 /NDF: 43.0/36

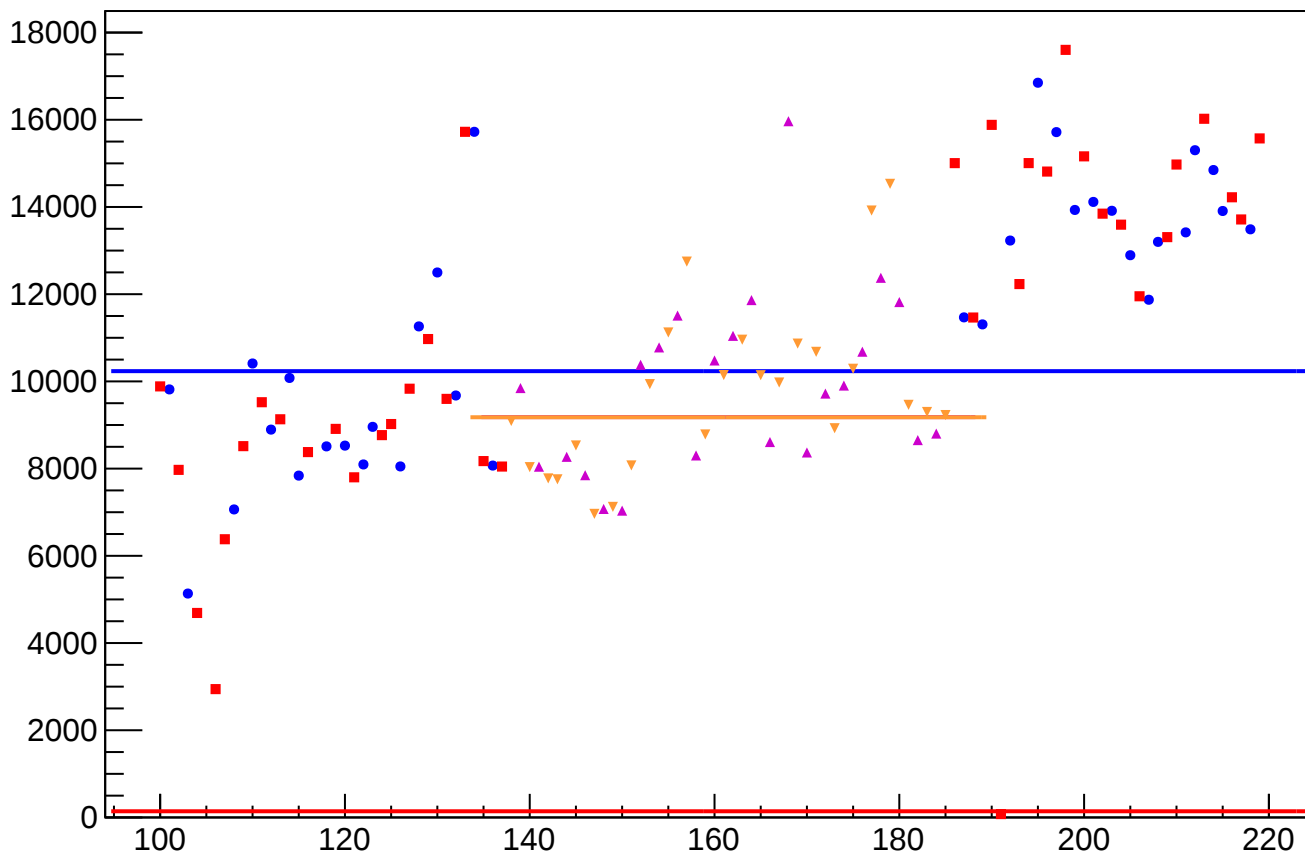
Left In: -275.116 $\pm$ 2242.836 χ^2 /NDF:15.7/22

+ sign 860.062 $\pm$ 1652.552 χ^2 /NDF: 65.9/57

All: 143.454 $\pm$ 192.808 χ^2 /NDF: 124.8/117

- sign 133.564 $\pm$ 194.134 χ^2 /NDF: 58.7/59

asym_atr2_correction_rms vs Slug



Right In: 10235.029+/-1.787 χ^2/NDF : 3339230.3/32

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

Right Out: 141.924+/-0.138 χ^2/NDF : 37267179.9/36

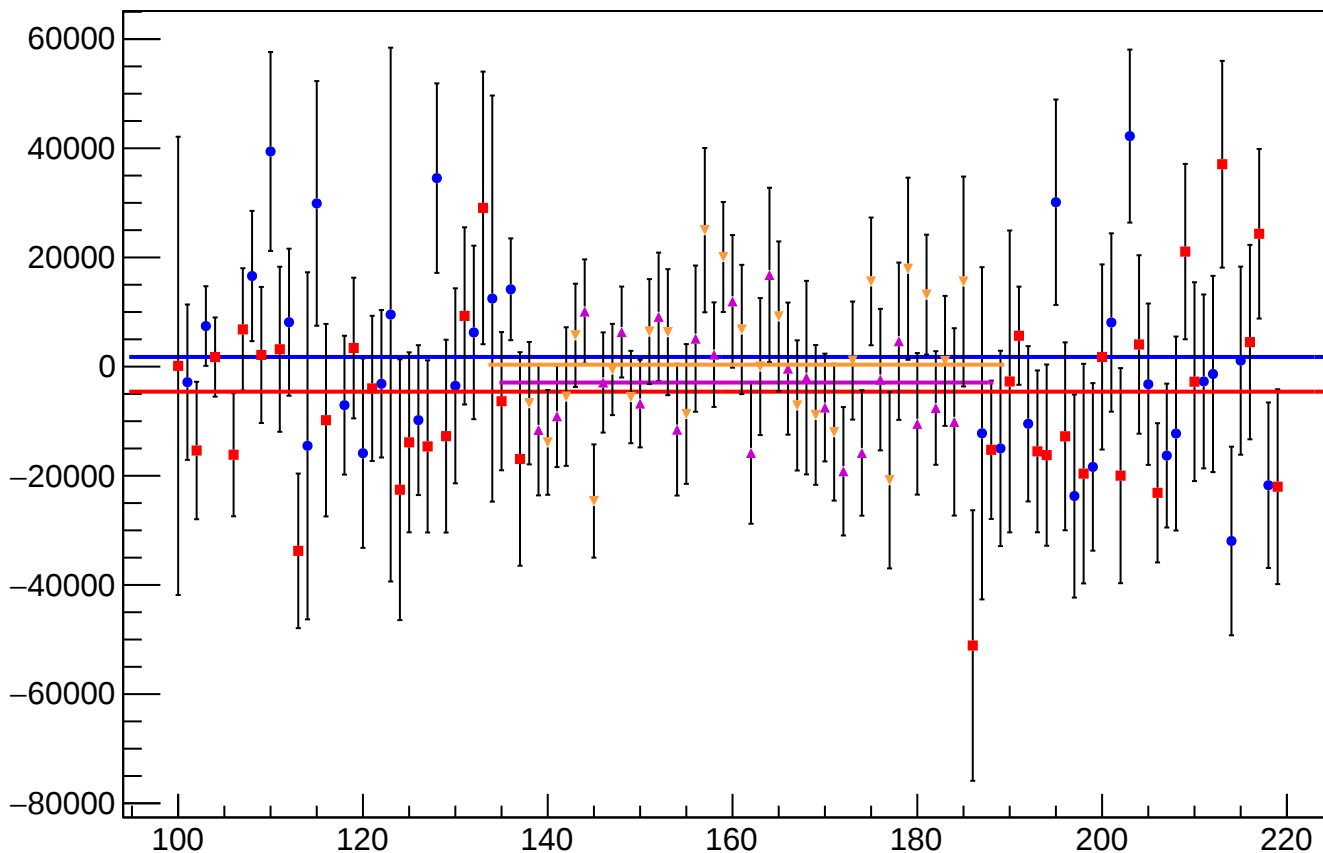
Left In: 9181.254+/-1.586 χ^2/NDF :1236469.7/22

+ sign 9629.869+/-1.169 χ^2/NDF : 4715828.4/57

All: 337.881+/-0.136 χ^2/NDF : 139567566.4/1

- sign 209.648+/-0.137 χ^2/NDF : 70747088.5/59

asym_atr2_mean vs Slug



Right In: 1768.080 $\pm$ 2634.790 χ^2 /NDF: 39.8/32

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

Right Out: -4590.621 $\pm$ 2418.841 χ^2 /NDF: 35.9/36

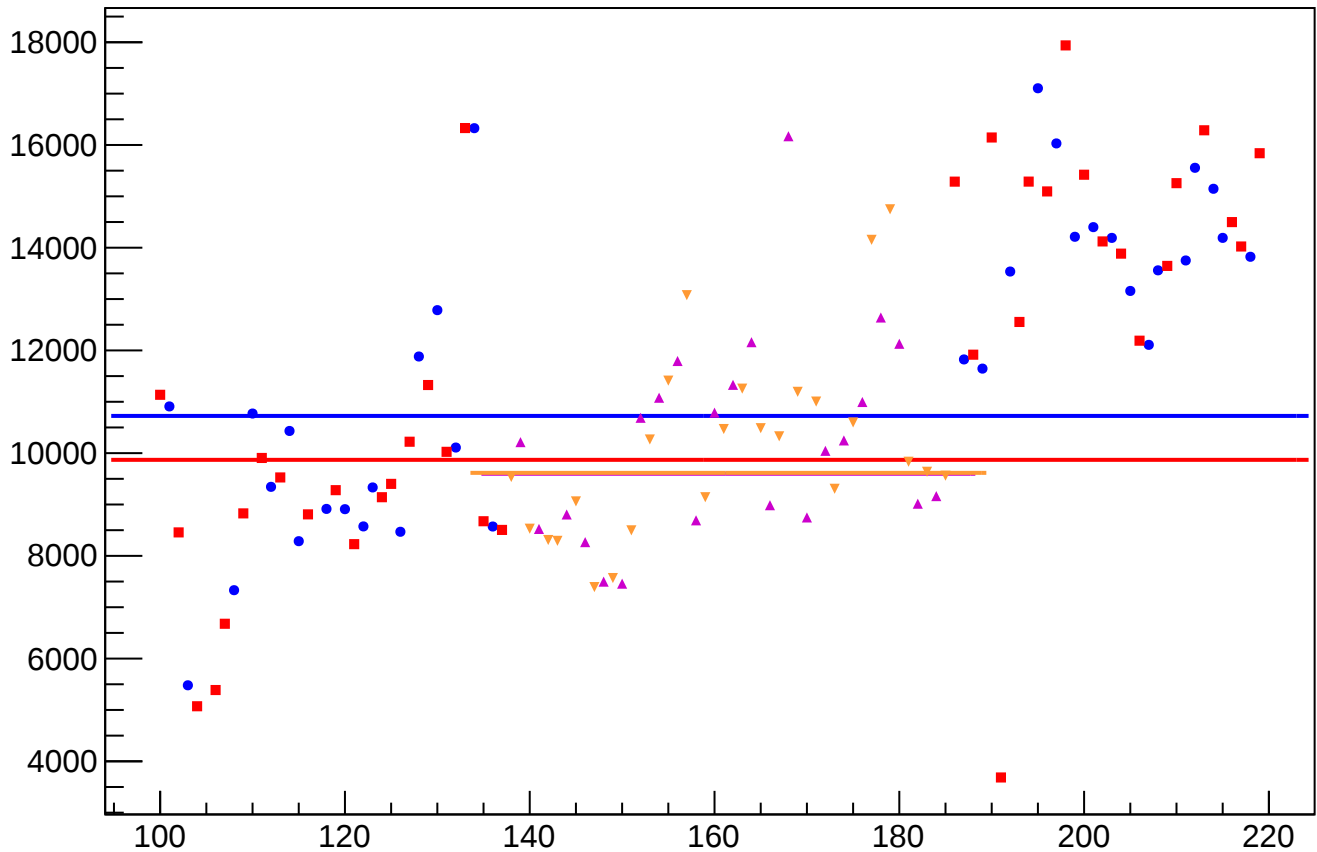
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 960.981 $\pm$ 1724.826 χ^2 /NDF: 66.2/57

All: -1442.601 $\pm$ 1203.931 χ^2 /NDF: 121.1/111

- sign -3726.241 $\pm$ 1681.240 χ^2 /NDF: 51.1/59

asym_atr2_rms vs Slug



Right In: 10724.873+/-1.863 χ^2/NDF : 3018915.4/32

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

Right Out: 9869.633+/-1.710 χ^2/NDF : 5110010.4/36

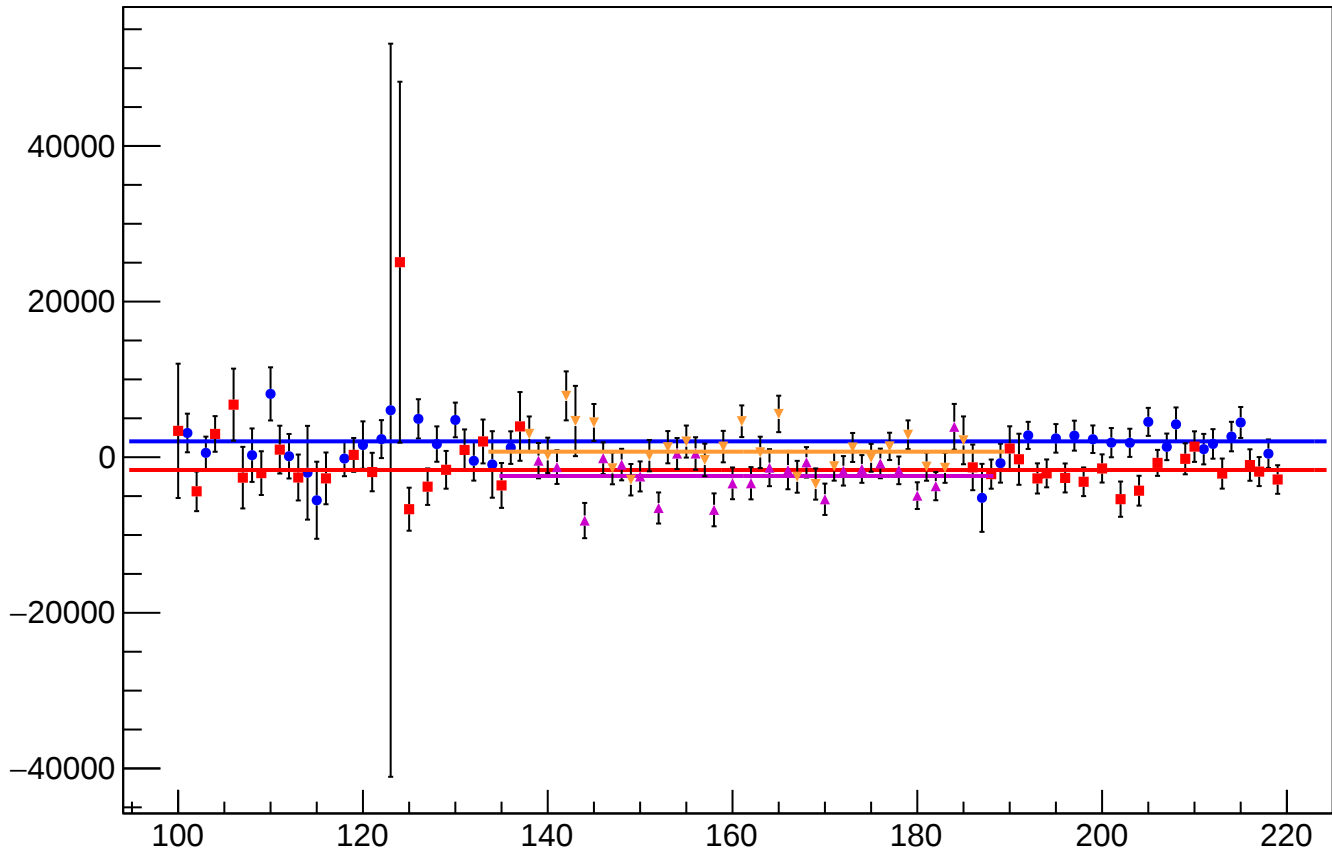
Left In: 9598.531+/-1.654 χ^2/NDF :1082171.6/22

+ sign 10091.344+/-1.220 χ^2/NDF : 4232924.7/57

All: 9905.794+/-0.851 χ^2/NDF : 10483228.6/1

- sign 9729.506+/-1.189 χ^2/NDF : 6205168.5/59

reg_asym_atl_avg_mean vs Slug



Right In: 2037.255 $\pm$ 393.379 χ^2 /NDF: 23.0/32

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

Right Out: -1642.696 $\pm$ 385.662 χ^2 /NDF: 31.9/36

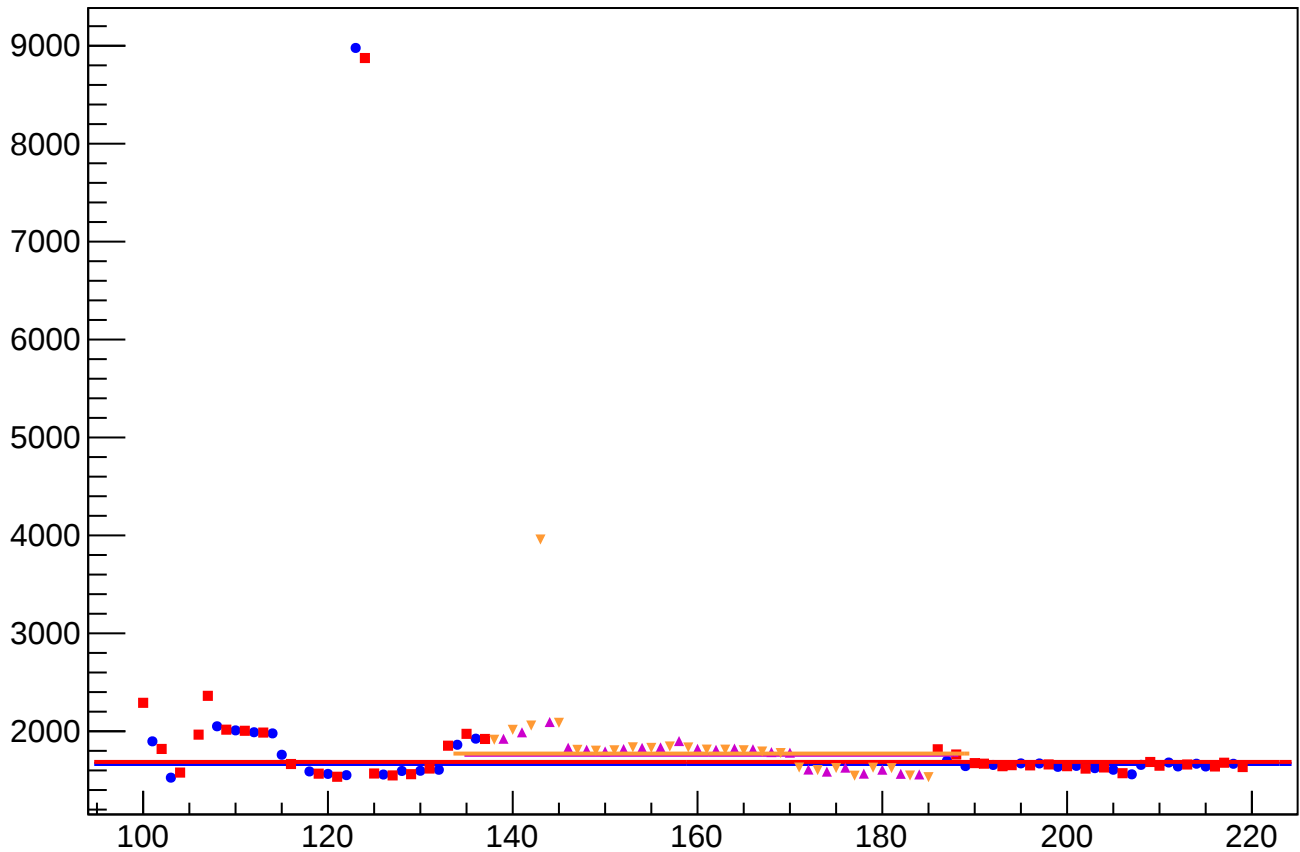
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 1412.749 $\pm$ 286.269 χ^2 /NDF: 63.2/57

All: -296.741 $\pm$ 202.021 χ^2 /NDF: 202.0/117

- sign -1992.724 $\pm$ 285.136 χ^2 /NDF: 67.7/59

reg_asym_atl_avg_rms vs Slug



Right In: 1665.823+/-0.278 χ^2/NDF : 216558.3/32

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

Right Out: 1686.919+/-0.272 χ^2/NDF : 441171.3/36

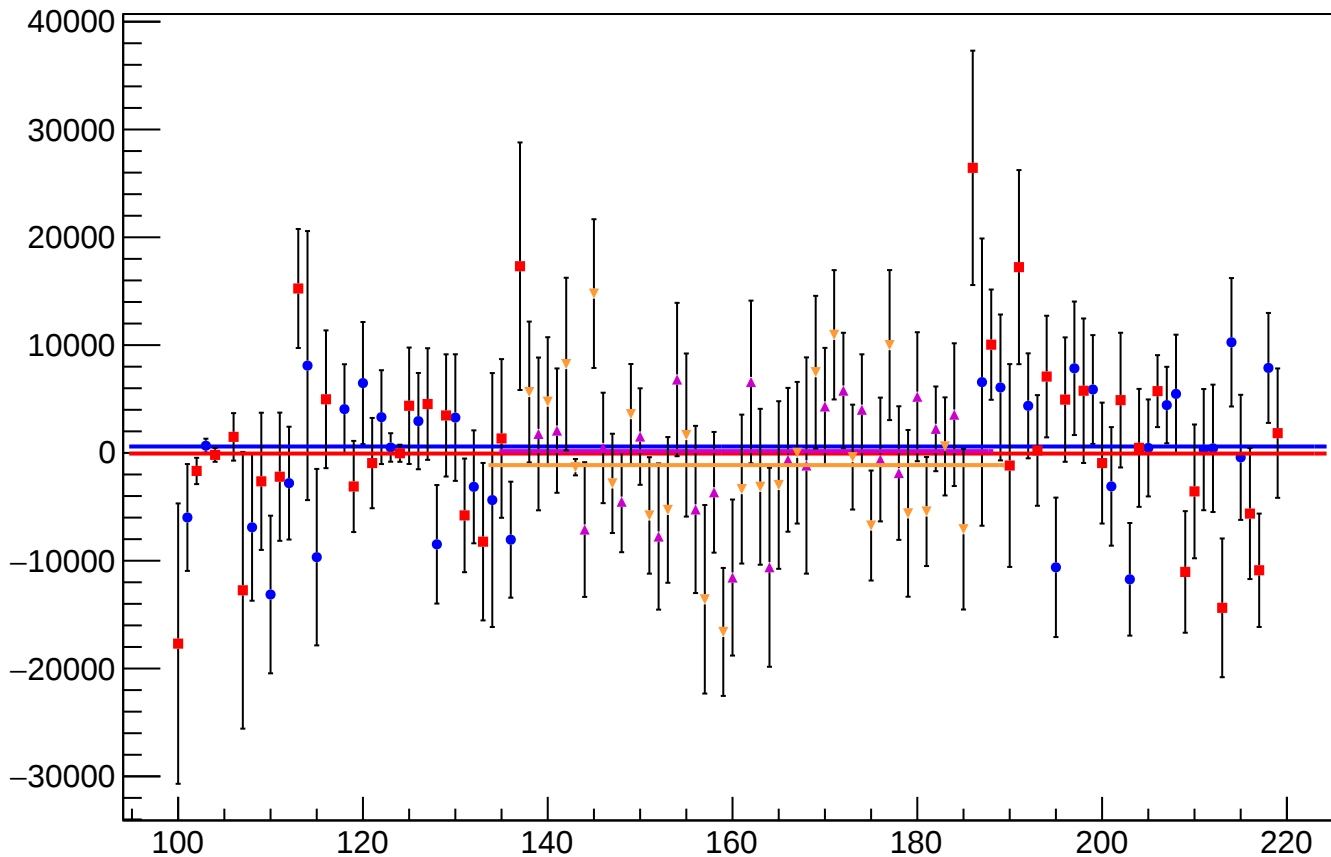
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1715.793+/-0.202 χ^2/NDF : 987632.1/57

All: 1717.815+/-0.143 χ^2/NDF : 1676140.6/11

- sign 1719.817+/-0.201 χ^2/NDF : 688309.9/59

asym_atl_avg_correction_mean vs Slug



Right In: 595.145 $\pm$ 501.998 χ^2 /NDF: 37.1/32

Left Out: -1129.807 $\pm$ 647.600 χ^2 /NDF:31.5/24

Right Out: -58.318 $\pm$ 413.013 χ^2 /NDF: 55.5/36

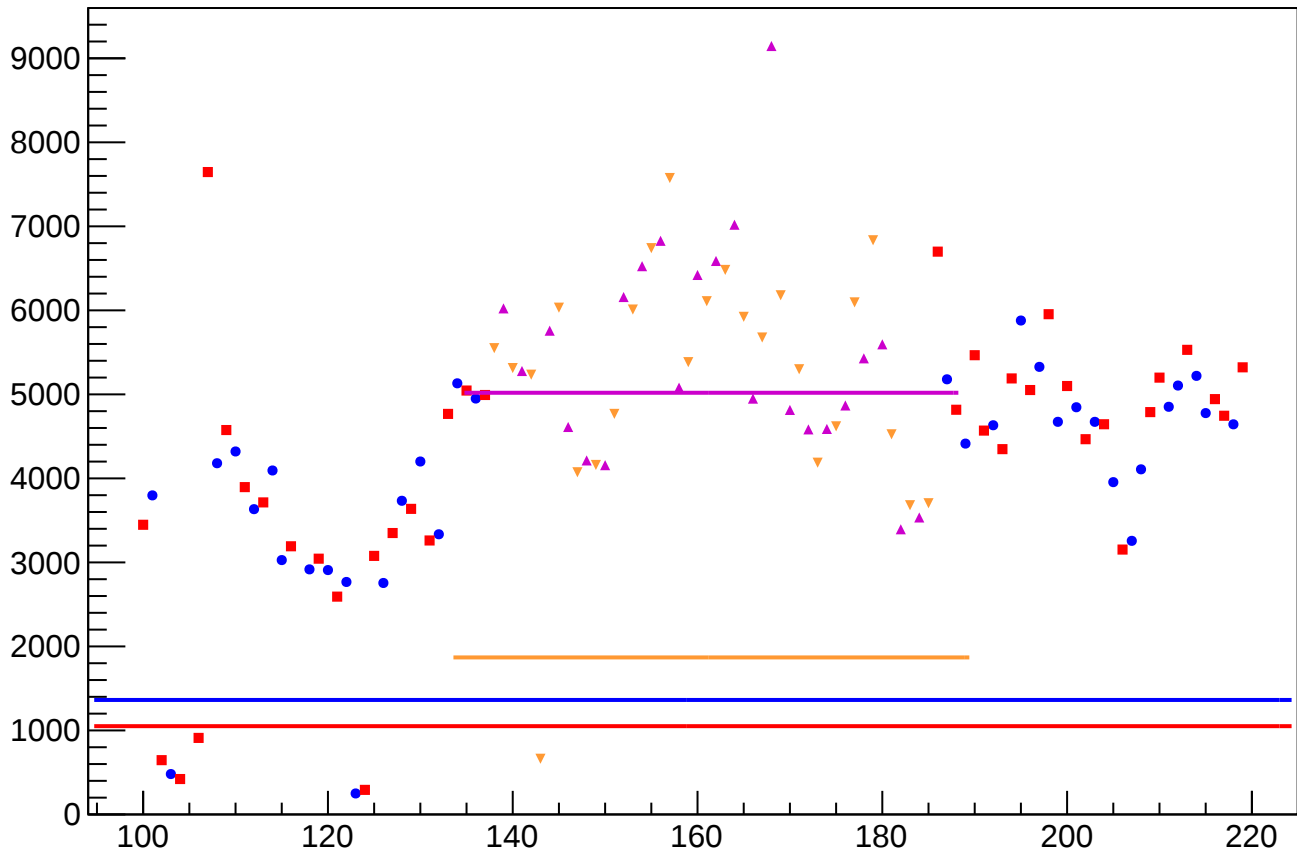
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -52.308 $\pm$ 396.755 χ^2 /NDF: 73.1/57

All: -43.768 $\pm$ 278.710 χ^2 /NDF: 142.7/117

- sign -35.449 $\pm$ 391.607 χ^2 /NDF: 69.6/59

asym_atl_avg_correction_rms vs Slug



Right In: 1362.789+/-0.355 χ^2/NDF : 21272785.1/32

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

Right Out: 1050.865+/-0.292 χ^2/NDF : 25005926.9/36

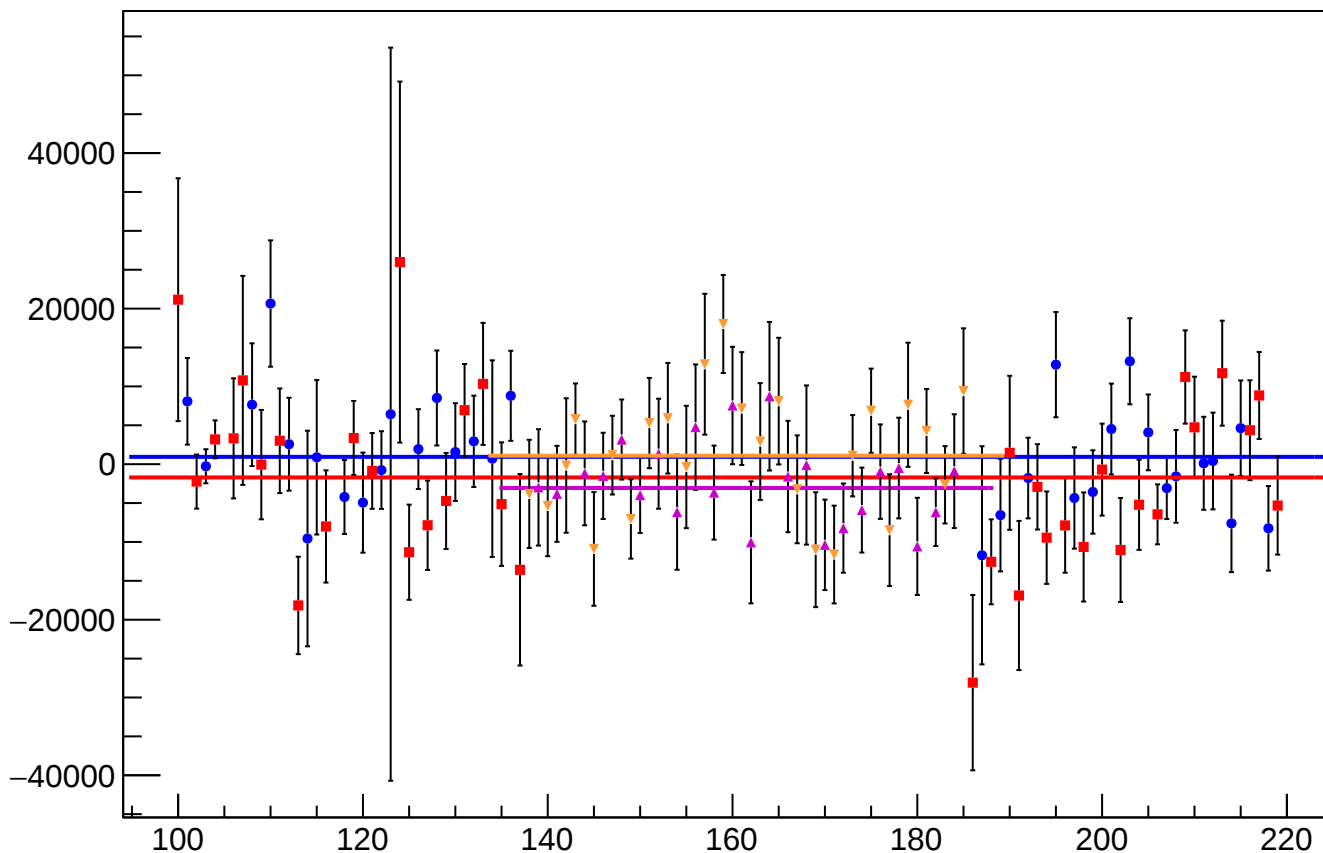
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1552.787+/-0.281 χ^2/NDF : 41888492.8/57

All: 1501.501+/-0.197 χ^2/NDF : 87171358.2/100

- sign 1451.537+/-0.277 χ^2/NDF : 45216890.9/59

asym_atl_avg_mean vs Slug



Right In: 940.445+/-972.849 χ^2/NDF : 33.5/32

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

Right Out: -1704.993+/-963.734 χ^2/NDF : 62.4/36

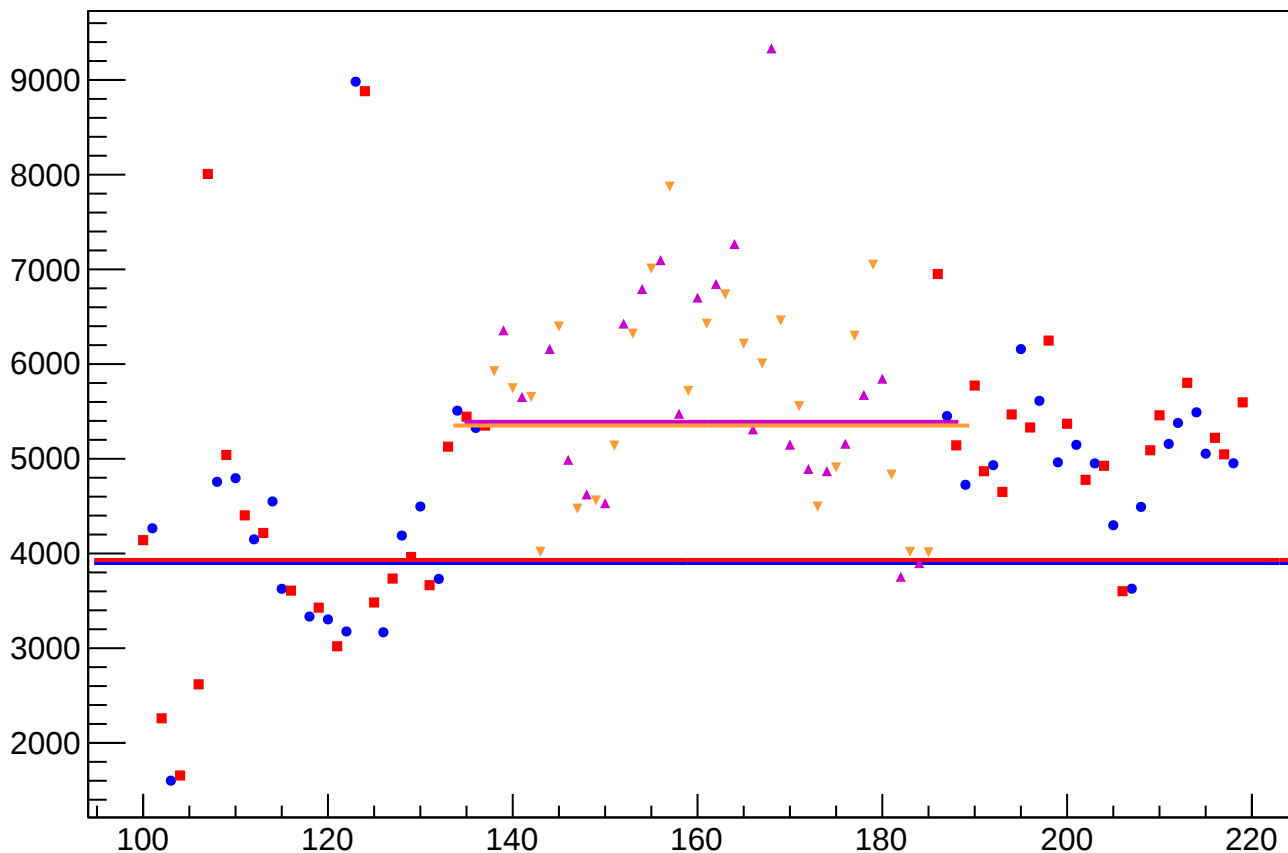
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 997.171+/-772.997 χ^2/NDF : 65.5/57

All: -580.532+/-548.346 χ^2/NDF : 149.5/117

- sign -2178.650+/-777.983 χ^2/NDF : 75.6/59

asym_atl_avg_rms vs Slug



Right In: 3899.377+/-0.688 χ^2/NDF : 3852496.2/32

Left Out: 5350.804+/-0.900 χ^2/NDF :1241497.9/24

Right Out: 3931.138+/-0.676 χ^2/NDF : 4602917.7/36

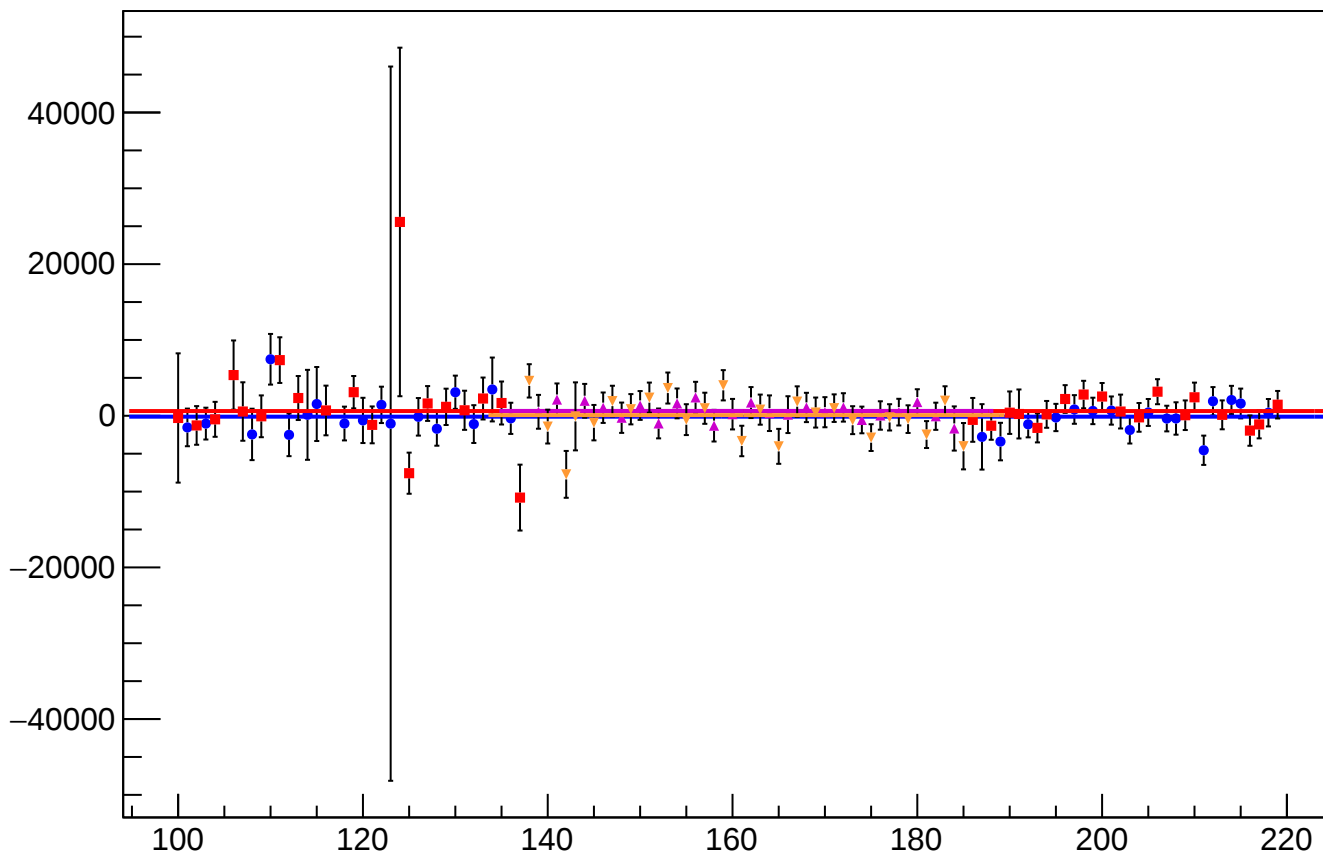
Left In: 5389.724+/-0.932 χ^2/NDF :1309863.0/22

+ sign 4434.454+/-0.547 χ^2/NDF : 6735161.9/57

All: 4434.111+/-0.387 χ^2/NDF : 14252868.3/100

- sign 4433.768+/-0.547 χ^2/NDF : 7517705.6/59

reg_asym_atl_dd_mean vs Slug



Right In: -118.726 ± 387.964 χ^2/NDF : 24.1/32

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

Right Out: 622.249 ± 380.201 χ^2/NDF : 39.6/36

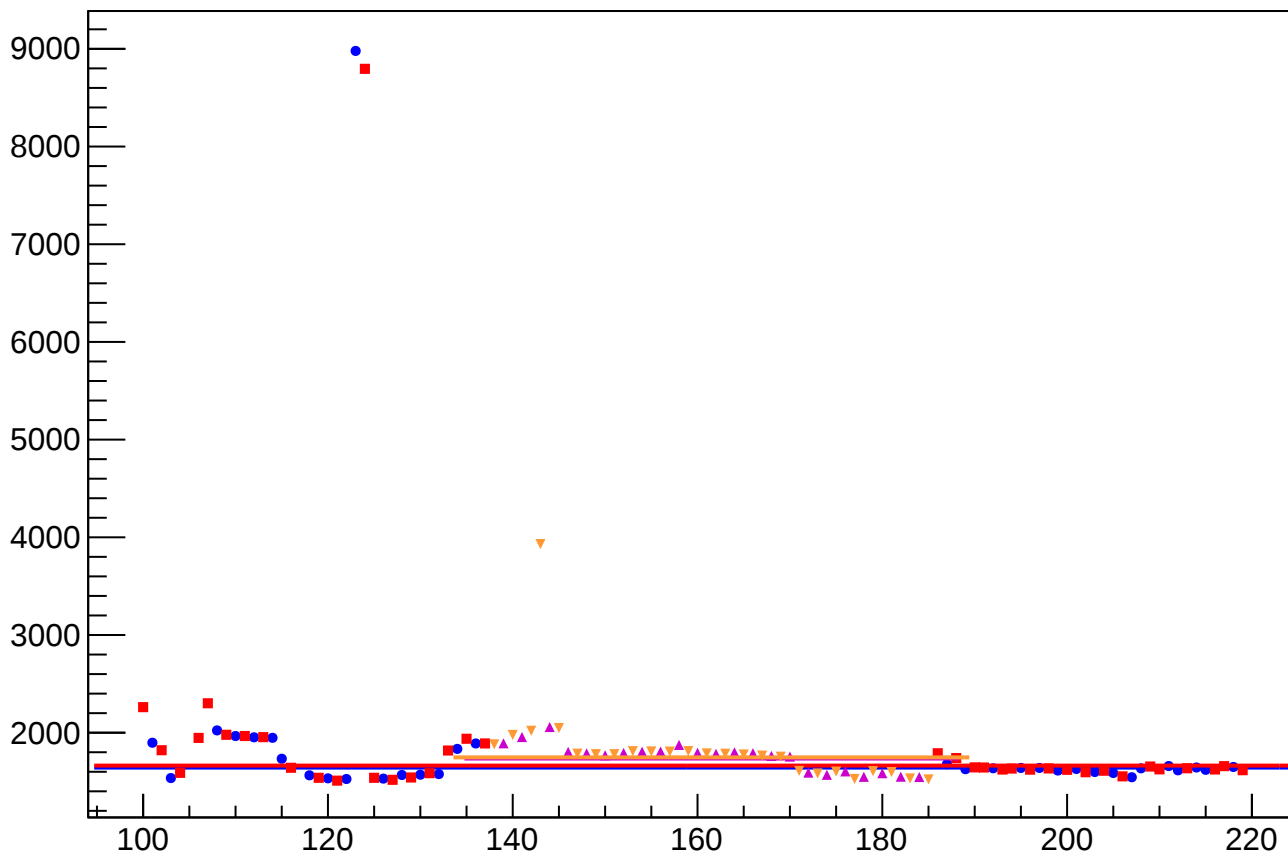
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -22.291 ± 282.296 χ^2/NDF : 60.2/57

All: 305.381 ± 199.207 χ^2/NDF : 108.7/117

- sign 630.400 ± 281.150 χ^2/NDF : 45.7/59

reg_asym_atl_dd_rms vs Slug



Right In: 1642.952 $\pm$ 0.274 χ^2 /NDF: 213868.8/32

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

Right Out: 1663.252 $\pm$ 0.268 χ^2 /NDF: 436291.1/36

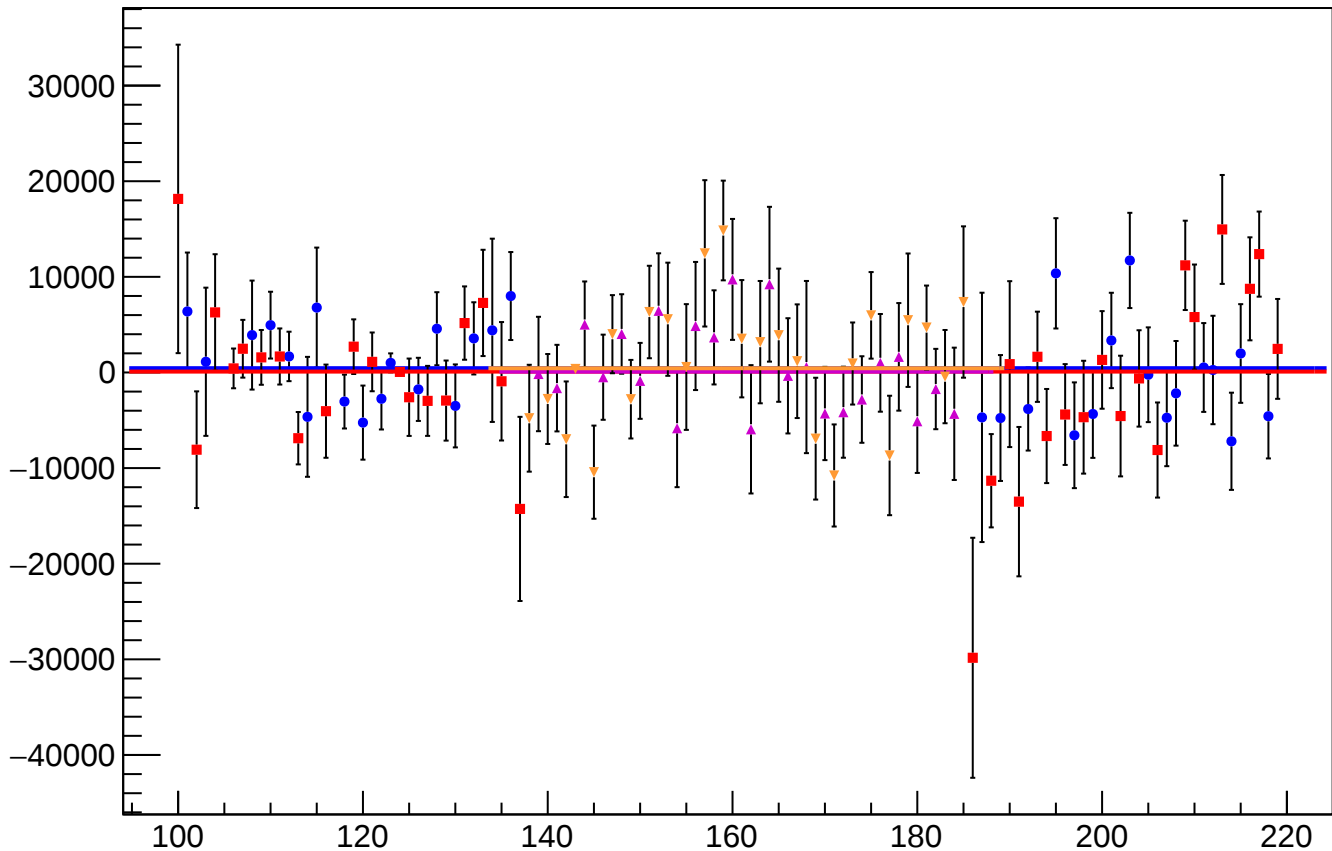
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1692.062 $\pm$ 0.200 χ^2 /NDF: 980167.7/57

All: 1694.020 $\pm$ 0.141 χ^2 /NDF: 1656224.0/11

- sign 1695.960 $\pm$ 0.199 χ^2 /NDF: 675864.8/59

asym_atl_dd_correction_mean vs Slug



Right In: 448.356 $\pm$ 621.091 χ^2 /NDF: 33.7/32

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

Right Out: 91.358 $\pm$ 344.285 χ^2 /NDF: 65.6/36

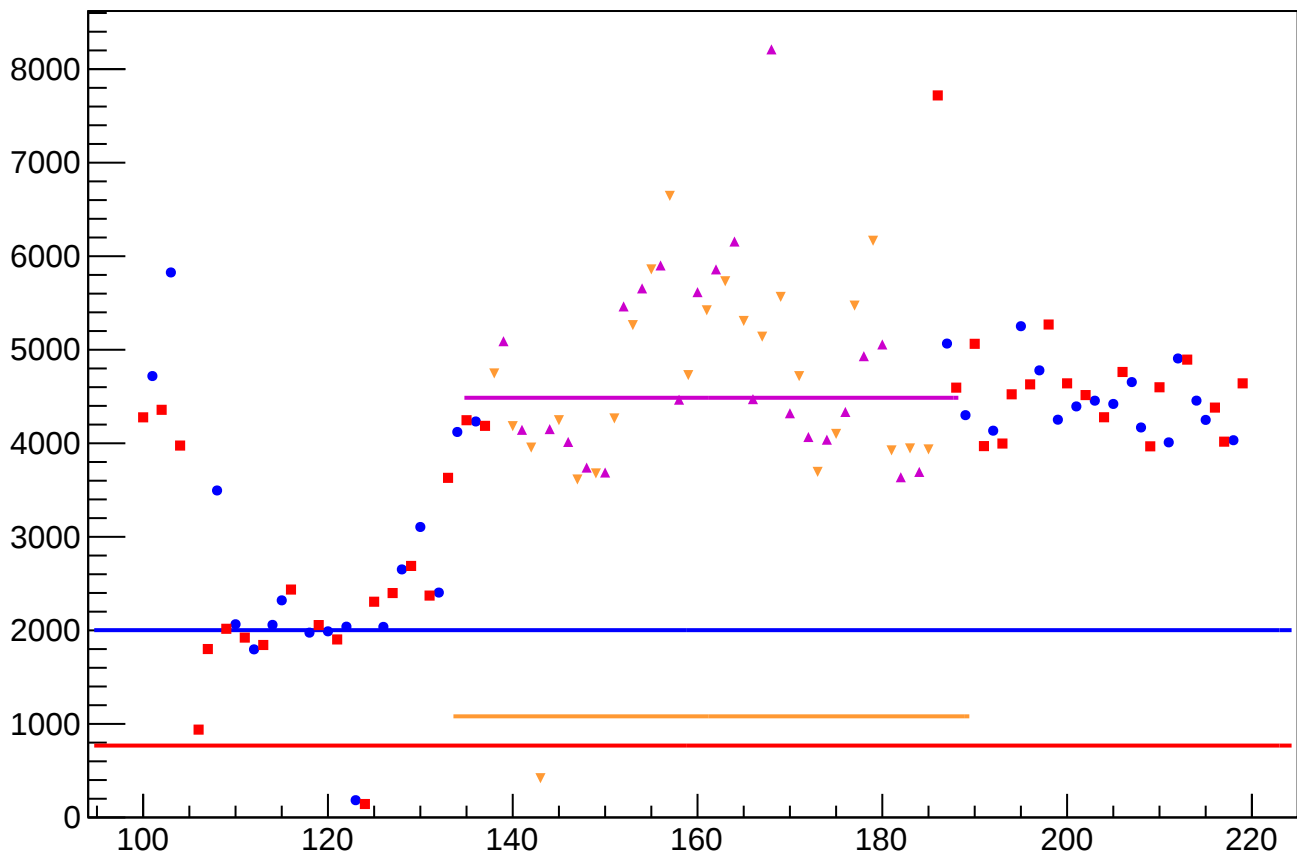
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 444.251 $\pm$ 359.216 χ^2 /NDF: 67.6/57

All: 251.897 $\pm$ 242.389 χ^2 /NDF: 147.2/117

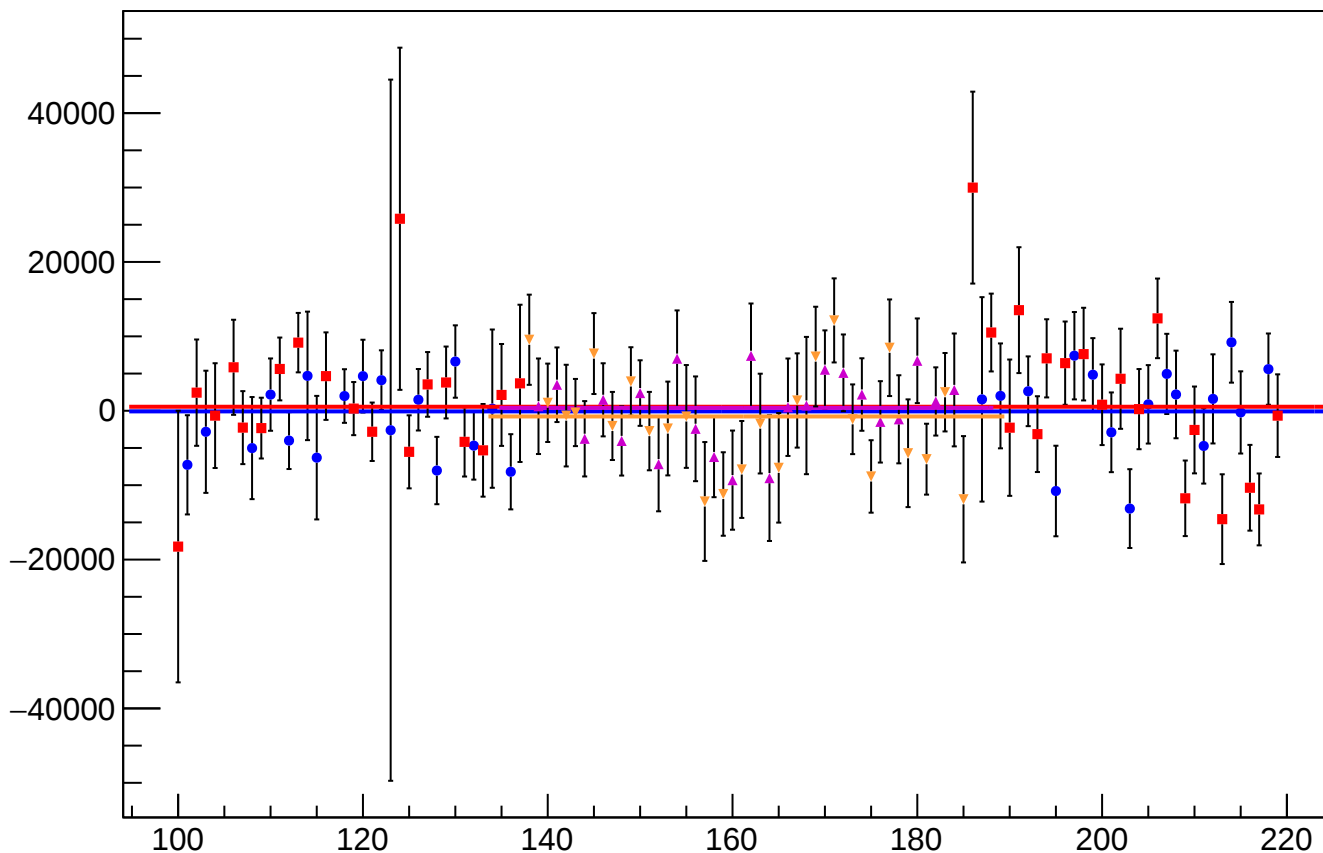
- sign 91.102 $\pm$ 328.429 χ^2 /NDF: 79.1/59

asym_atl_dd_correction_rms vs Slug



Right In: 2002.330+/-0.439	χ^2/NDF : 15418724.6/32	+ sign 1389.191+/-0.254	χ^2/NDF : 42803789.9/57
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1233.358+/-0.171	χ^2/NDF : 94234694.9/1
Right Out: 768.512+/-0.243	χ^2/NDF : 28568412.6/36	- sign 1103.092+/-0.232	χ^2/NDF : 50739878.0/59
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -83.999 ± 936.660 χ^2/NDF : 33.8/32

Left Out: -766.008 ± 1147.372 χ^2/NDF : 29.9/24

Right Out: 540.007 ± 902.088 χ^2/NDF : 60.9/36

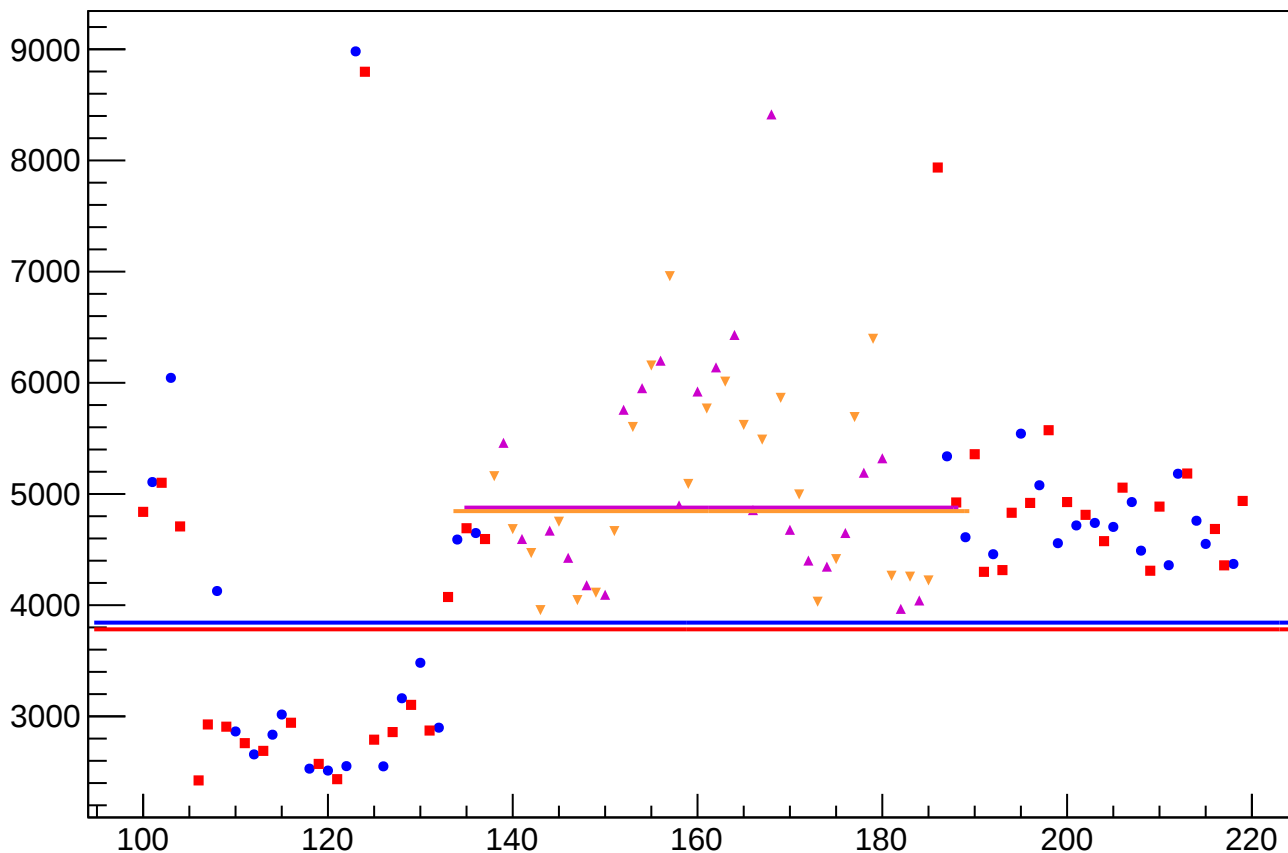
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -356.745 ± 725.585 χ^2/NDF : 64.0/57

All: 68.342 ± 510.386 χ^2/NDF : 139.8/117

- sign 484.660 ± 718.062 χ^2/NDF : 75.1/59

asym_atl_dd_rms vs Slug



Right In: 3843.034+/-0.662 χ^2/NDF : 2455821.0/32

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

Right Out: 3782.551+/-0.633 χ^2/NDF : 3004227.9/36

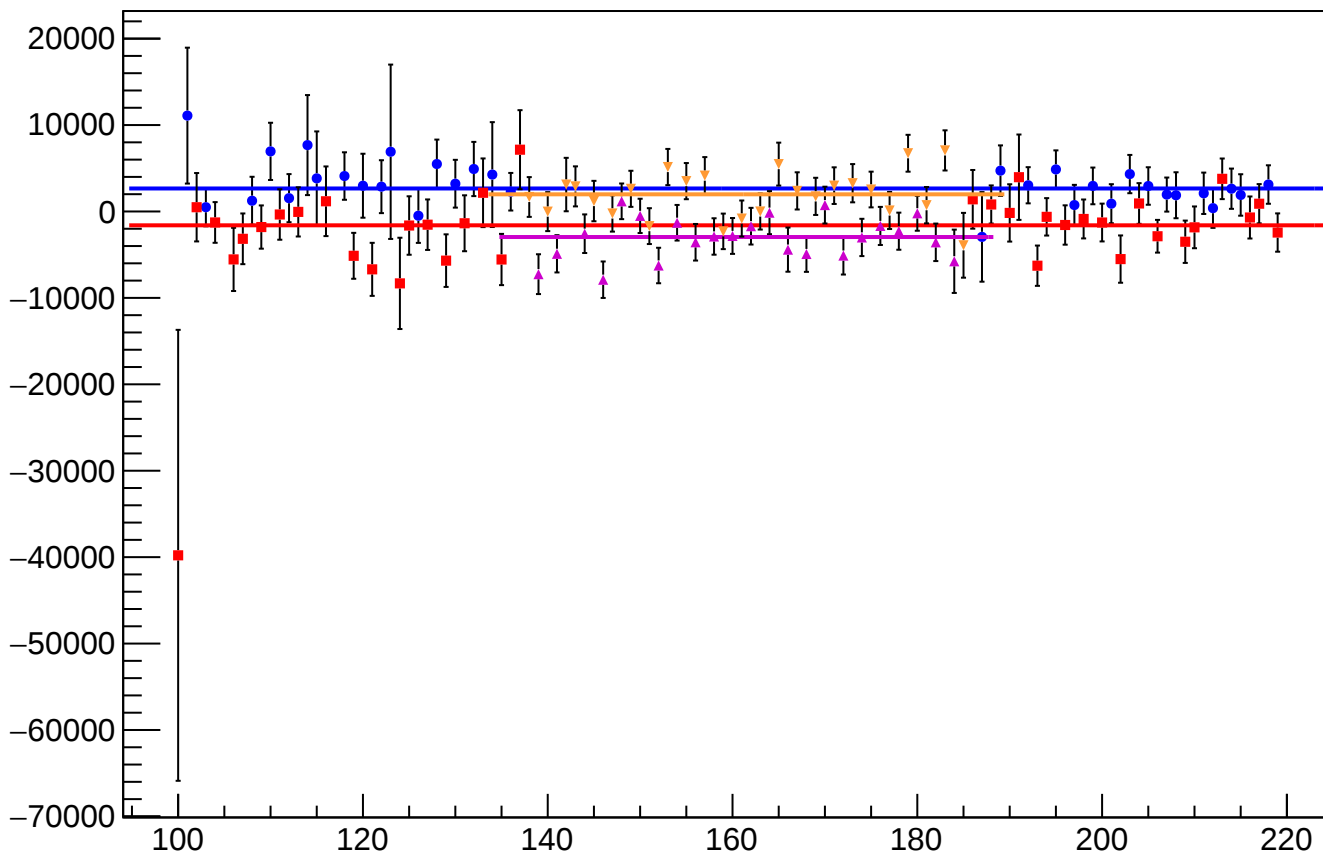
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4244.046+/-0.513 χ^2/NDF : 4281670.1/57

All: 4211.562+/-0.360 χ^2/NDF : 9337621.2/11

- sign 4180.038+/-0.505 χ^2/NDF : 5048052.2/59

reg_asym_atr_avg_mean vs Slug



Right In: 2660.540 ± 467.041 χ^2/NDF : 14.1/32

Left Out: 1985.469 ± 443.190 χ^2/NDF : 32.4/24

Right Out: -1601.393 ± 451.066 χ^2/NDF : 37.9/36

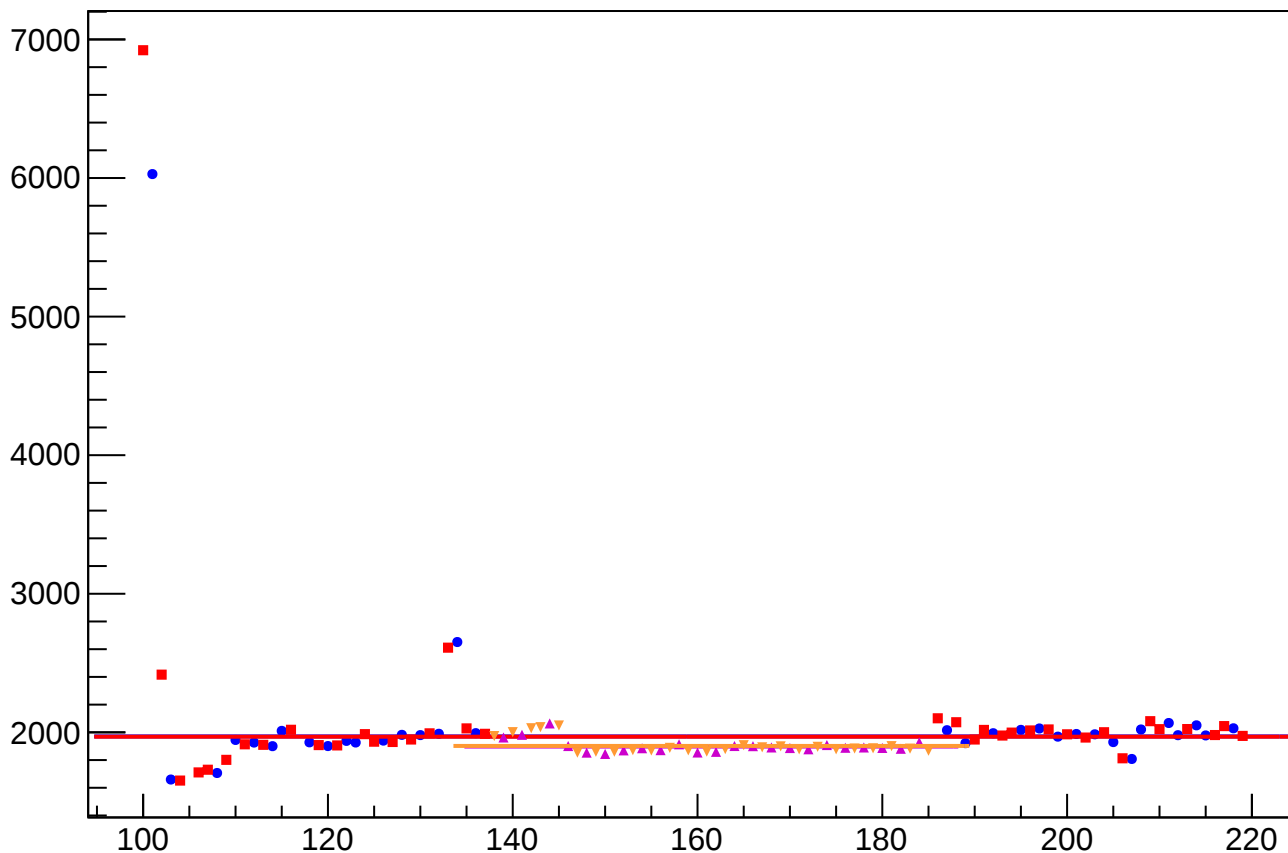
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2305.327 ± 321.484 χ^2/NDF : 47.7/57

All: 6.617 ± 226.860 χ^2/NDF : 220.3/117

- sign -2273.434 ± 320.177 χ^2/NDF : 70.8/59

reg_asym_atr_avg_rms vs Slug



Right In: 1970.587+/-0.330 χ^2/NDF : 643917.6/32

Left Out: 1901.884+/-0.313 χ^2/NDF : 30446.9/24

Right Out: 1968.536+/-0.319 χ^2/NDF : 257500.3/36

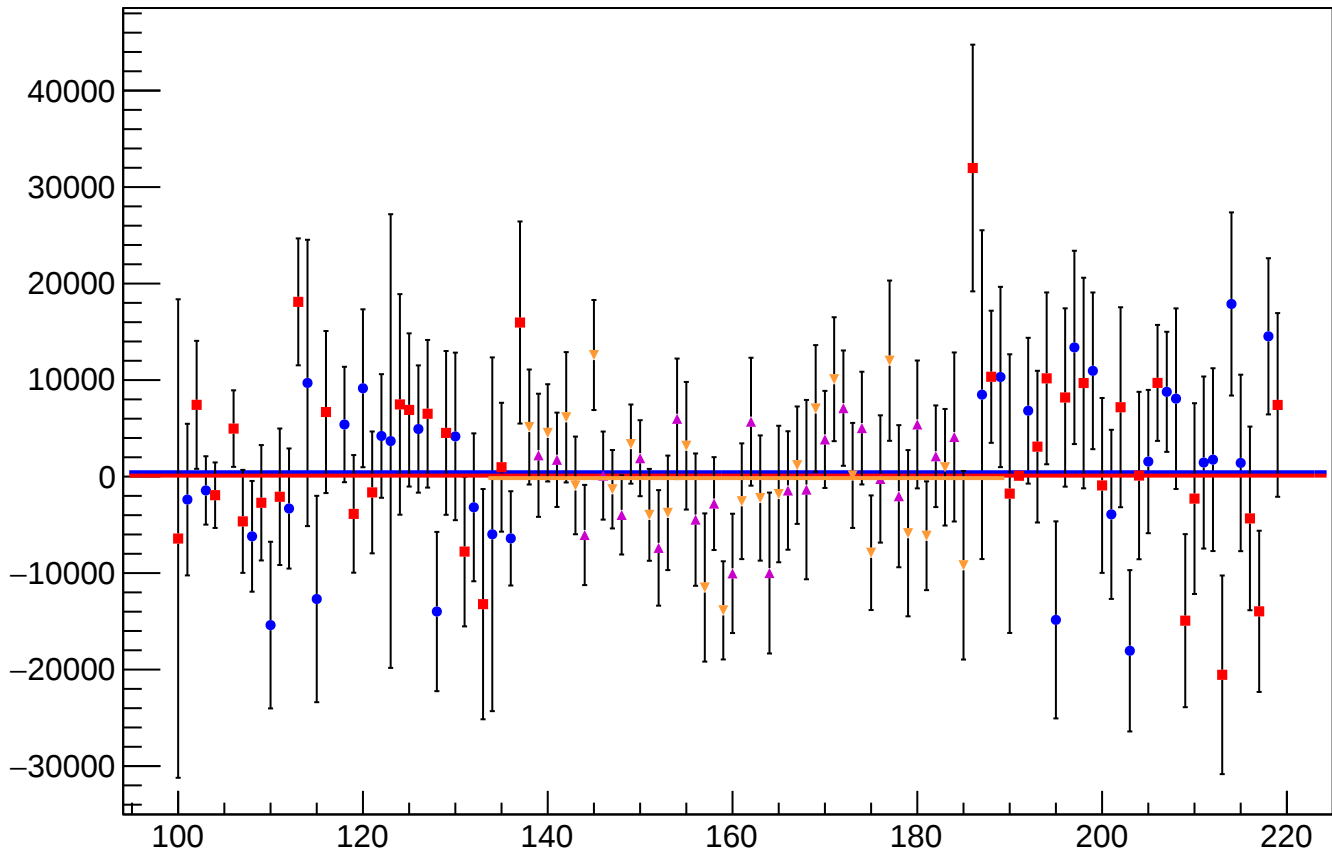
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1934.436+/-0.227 χ^2/NDF : 697136.8/57

All: 1933.866+/-0.160 χ^2/NDF : 1000492.3/11

- sign 1933.300+/-0.226 χ^2/NDF : 303342.9/59

asym_atr_avg_correction_mean vs Slug



Right In: 449.506 $\pm$ 1321.454 χ^2 /NDF: 37.3/32

Left Out: -157.539 $\pm$ 1165.844 χ^2 /NDF:29.5/24

Right Out: 99.164 $\pm$ 109.506 χ^2 /NDF: 44.6/36

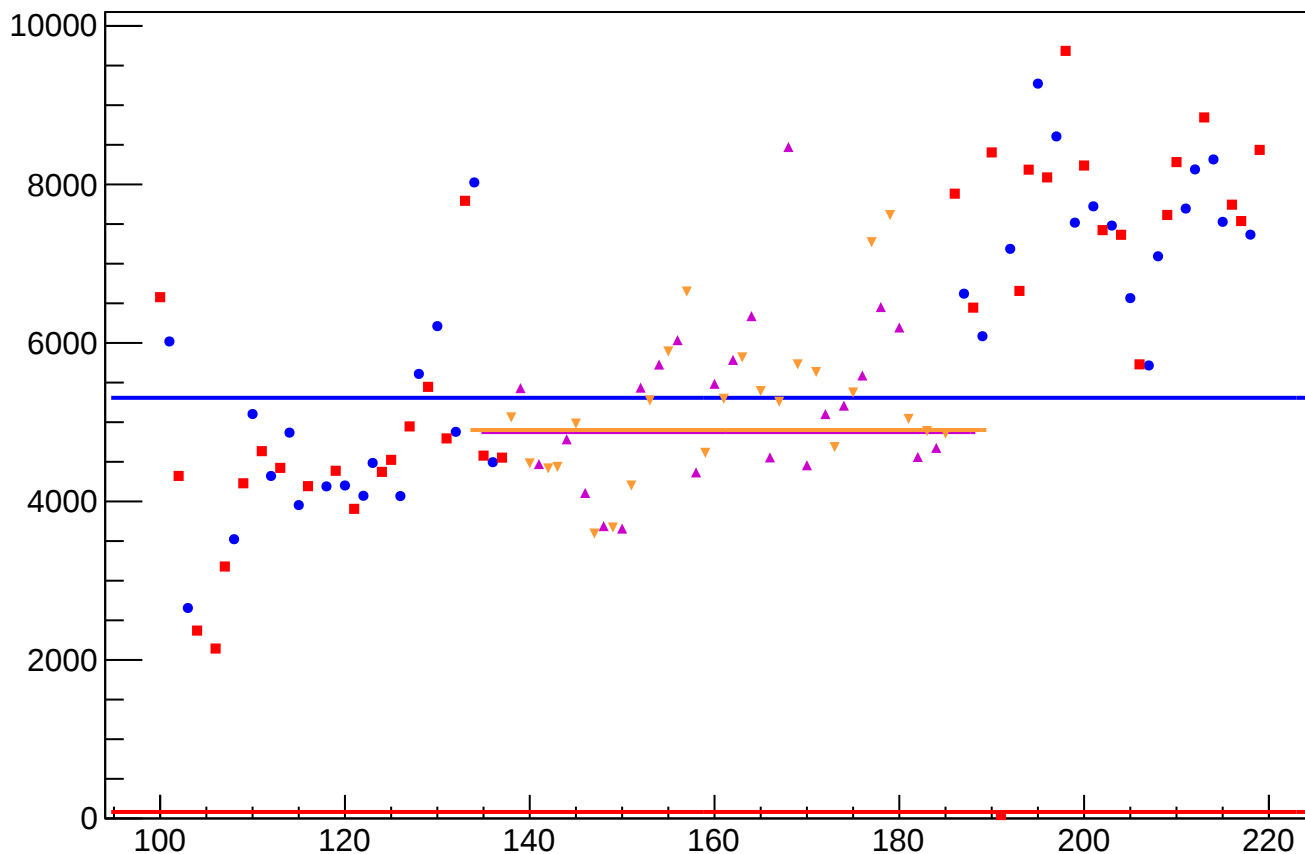
Left In: -139.000 $\pm$ 1190.889 χ^2 /NDF:14.7/22

+ sign 108.154 $\pm$ 874.242 χ^2 /NDF: 66.9/57

All: 97.335 $\pm$ 108.208 χ^2 /NDF: 126.3/117

- sign 97.167 $\pm$ 109.046 χ^2 /NDF: 59.4/59

asym_atr_avg_correction_rms vs Slug



Right In: 5307.596 $\pm$ 0.934 χ^2 /NDF: 3818919.7/32

Left Out: 4901.357 $\pm$ 0.824 χ^2 /NDF:1136916.0/24

Right Out: 81.904 $\pm$ 0.077 χ^2 /NDF: 37282169.6/36

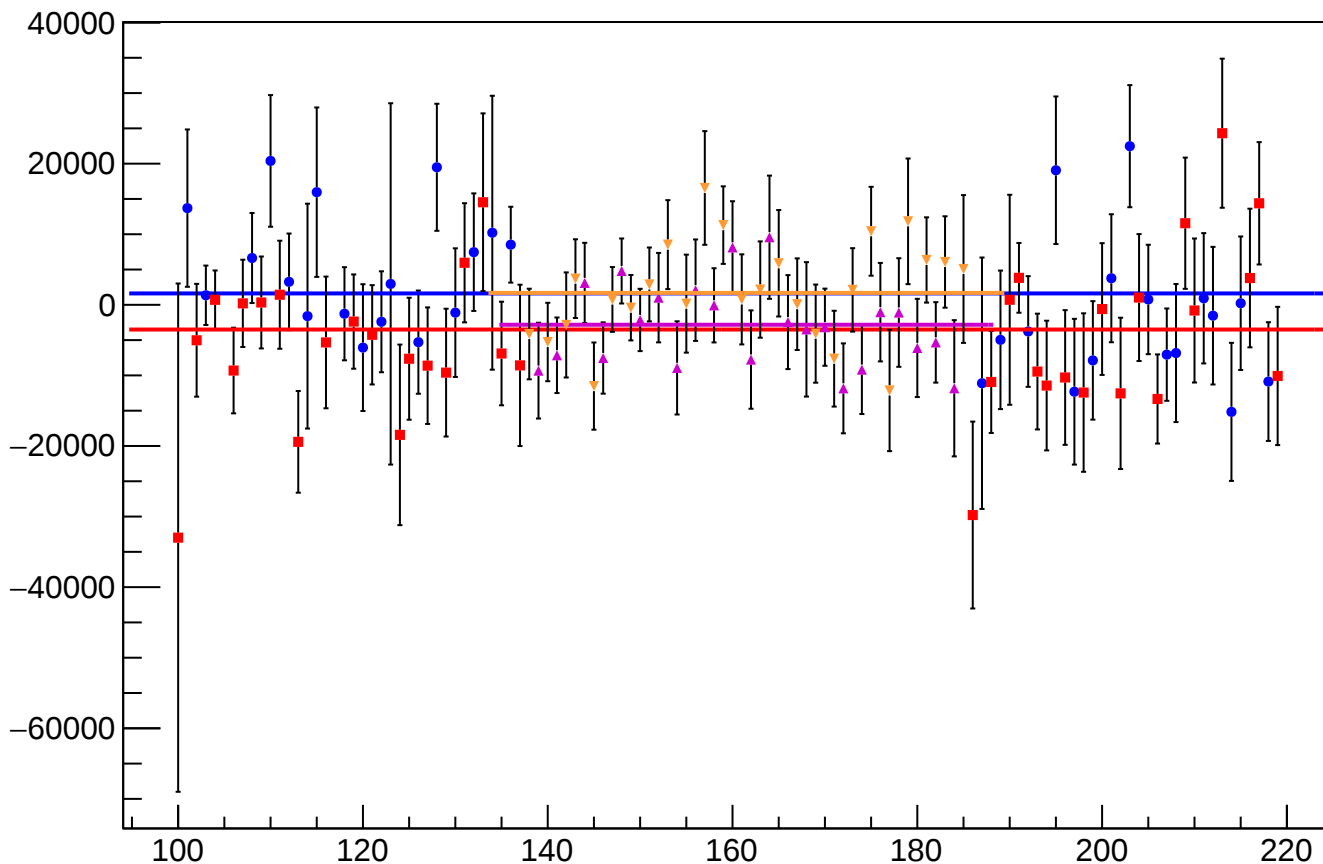
Left In: 4875.112 $\pm$ 0.842 χ^2 /NDF:1229198.0/22

+ sign 5079.160 $\pm$ 0.618 χ^2 /NDF: 5062120.5/57

All: 198.034 $\pm$ 0.077 χ^2 /NDF: 139017204.7/1

- sign 122.092 $\pm$ 0.077 χ^2 /NDF: 70639323.9/59

asym_atr_avg_mean vs Slug



Right In: 1614.339+/-1442.460 χ^2/NDF : 36.9/32

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -3501.460+/-1321.511 χ^2/NDF : 43.0/36

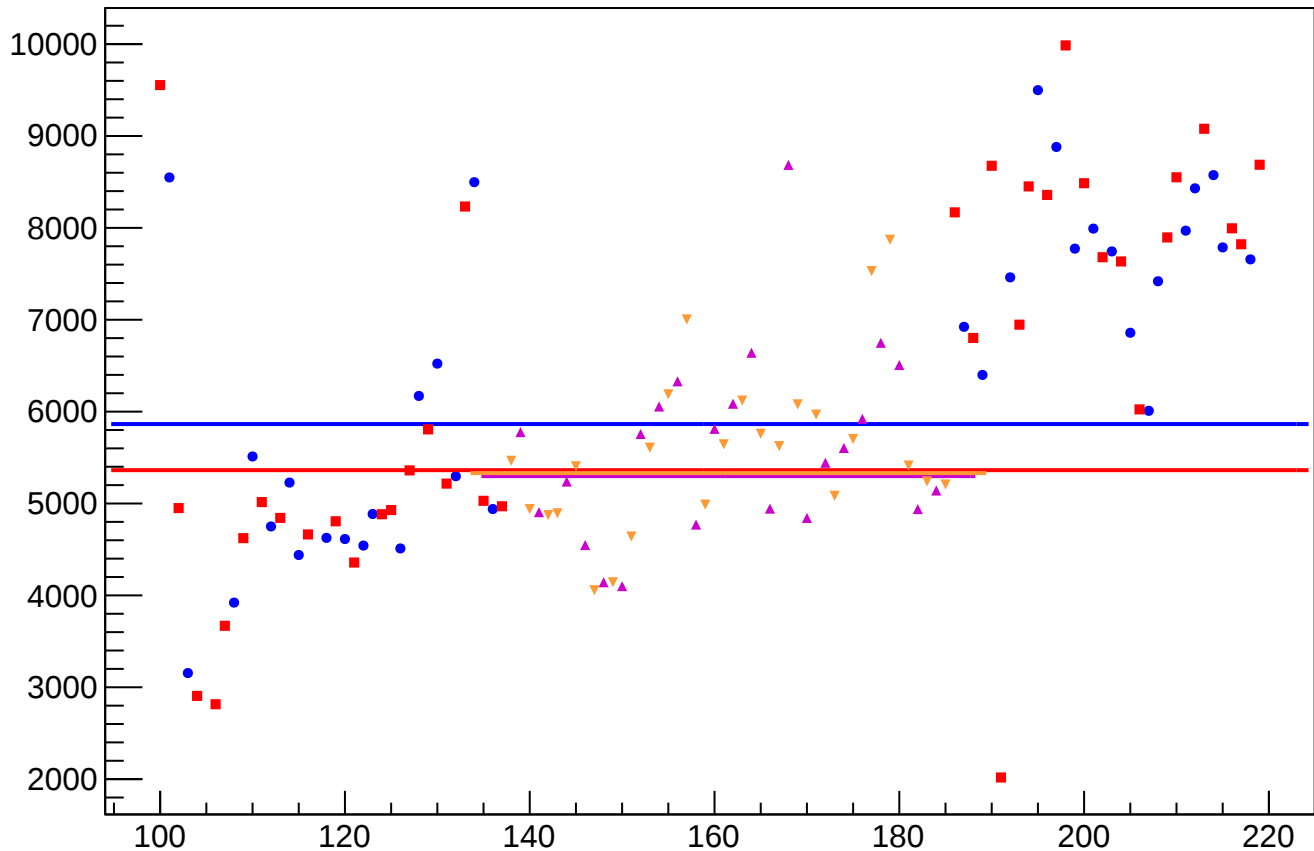
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 1655.241+/-949.652 χ^2/NDF : 62.3/57

All: -819.141+/-661.706 χ^2/NDF : 136.6/117

- sign -3154.181+/-922.526 χ^2/NDF : 61.1/59

asym_atr_avg_rms vs Slug



Right In: 5864.593+/-1.020 χ^2/NDF : 3055365.3/32

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 5362.788+/-0.931 χ^2/NDF : 5131025.6/36

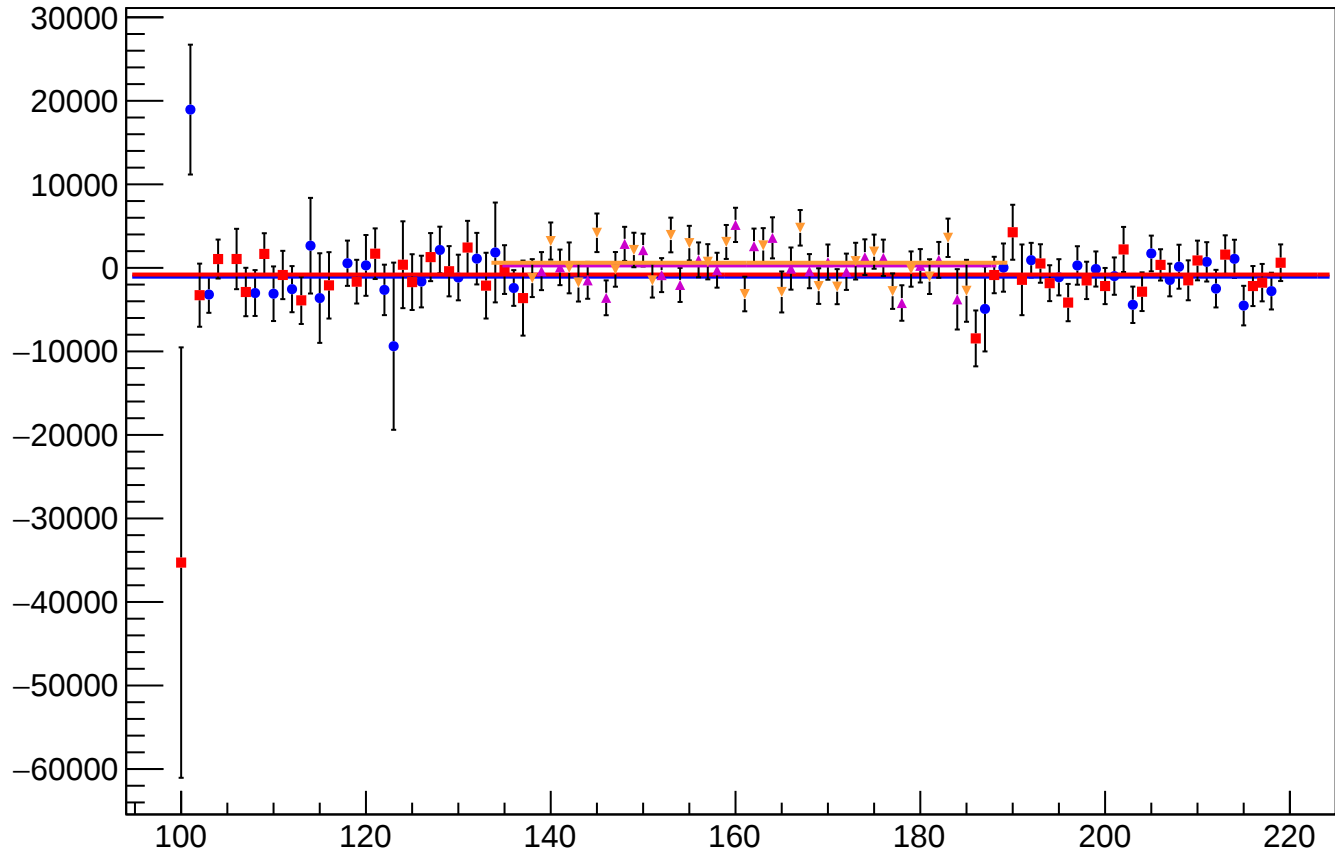
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5562.121+/-0.672 χ^2/NDF : 4078644.8/57

All: 5442.428+/-0.467 χ^2/NDF : 10229793.8/100

- sign 5329.851+/-0.651 χ^2/NDF : 6089495.2/59

reg_asym_atr_dd_mean vs Slug



Right In: -1051.796 ± 460.957 χ^2/NDF : 24.4/32

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -798.149 ± 444.568 χ^2/NDF : 24.9/36

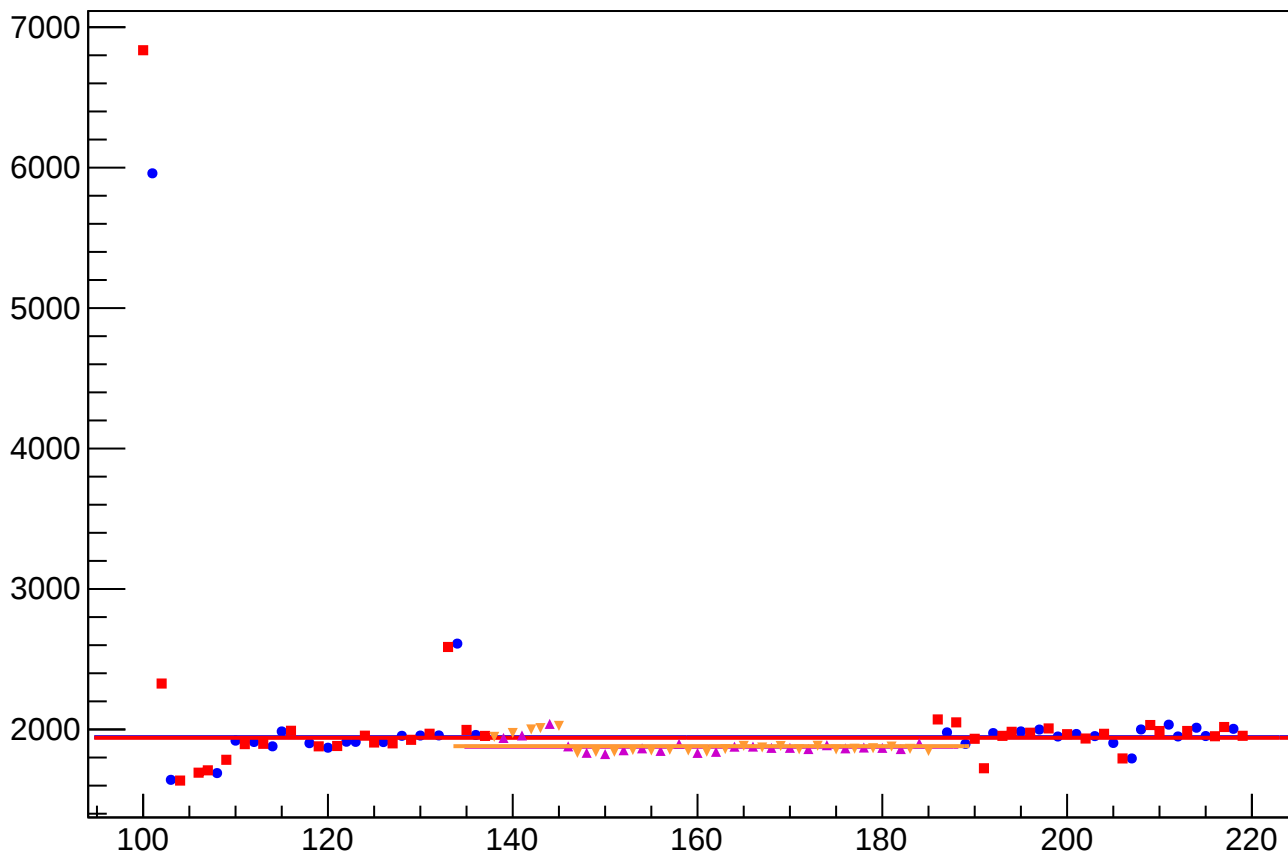
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -177.772 ± 317.619 χ^2/NDF : 64.0/57

All: -218.419 ± 224.056 χ^2/NDF : 115.5/117

- sign -258.681 ± 316.112 χ^2/NDF : 51.5/59

reg_asym_atr_dd_rms vs Slug



Right In: 1945.085 $\pm$ 0.326 χ^2 /NDF: 639841.7/32

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1940.678 $\pm$ 0.314 χ^2 /NDF: 253629.5/36

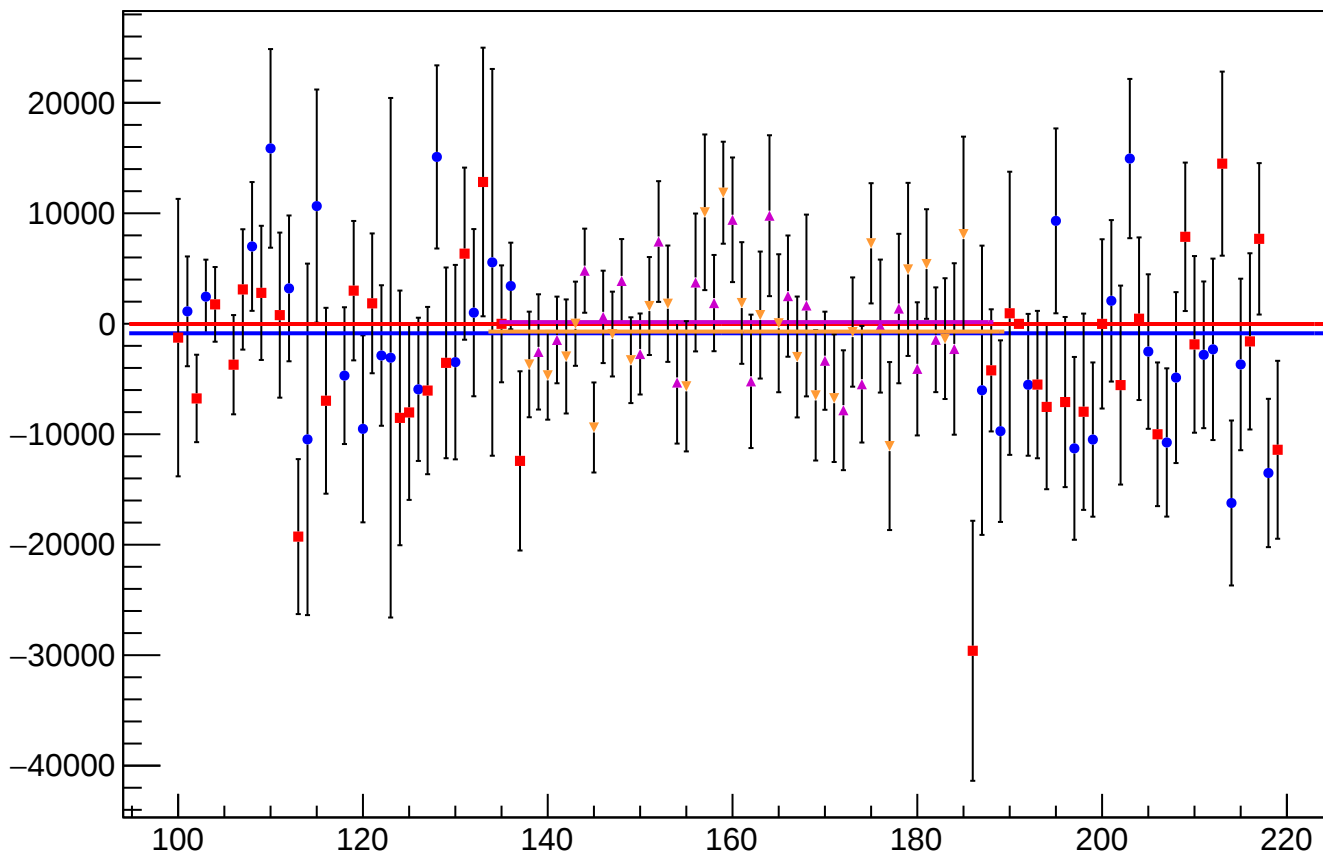
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1911.325 $\pm$ 0.225 χ^2 /NDF: 688921.8/57

All: 1910.190 $\pm$ 0.158 χ^2 /NDF: 983607.0/117

- sign 1909.067 $\pm$ 0.223 χ^2 /NDF: 294634.4/59

asym_atr_dd_correction_mean vs Slug



Right In: -862.326 ± 1197.964 $\chi^2/\text{NDF}: 38.0/32$

Left Out: -707.785 ± 1017.719 $\chi^2/\text{NDF}: 27.1/24$

Right Out: -22.226 ± 85.763 $\chi^2/\text{NDF}: 40.2/36$

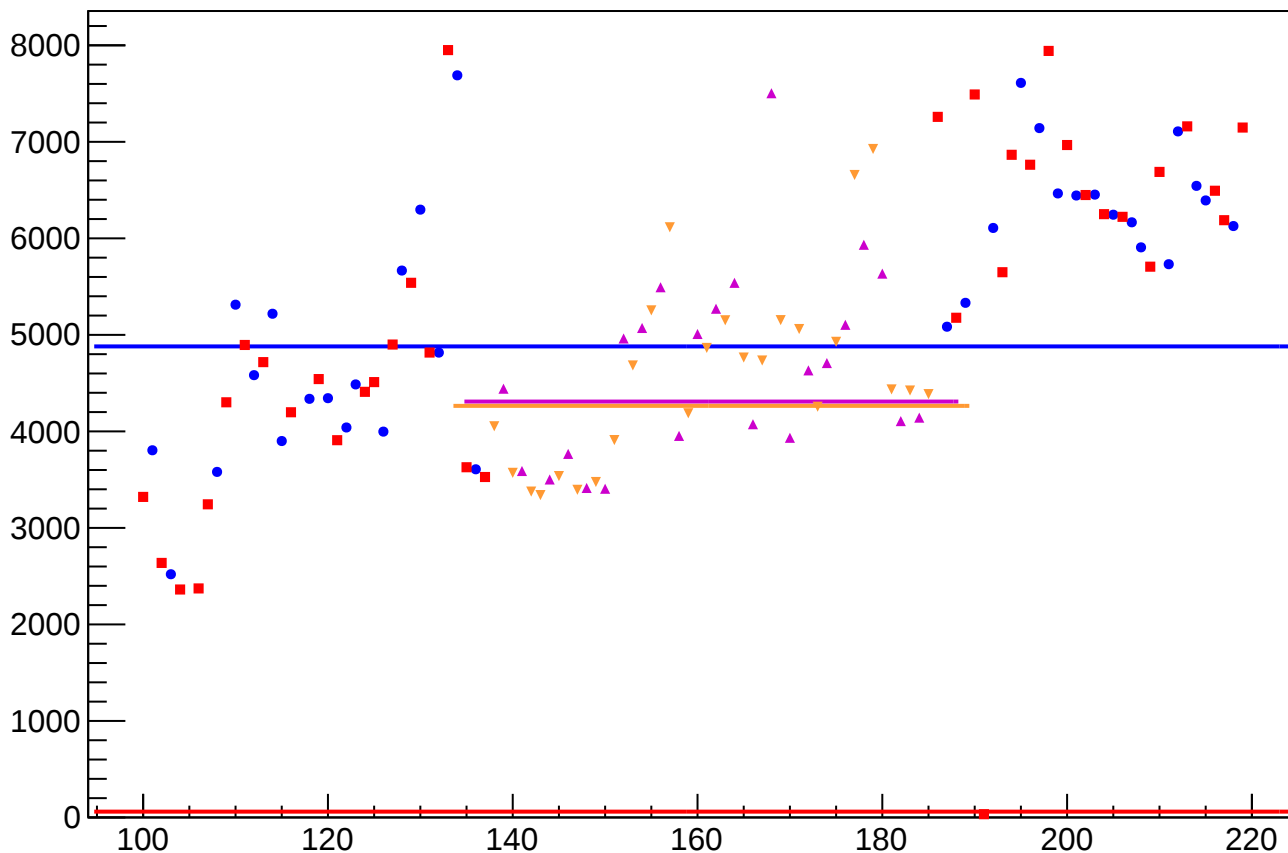
Left In: 150.495 ± 1053.655 $\chi^2/\text{NDF}: 16.9/22$

+ sign -772.567 ± 775.616 $\chi^2/\text{NDF}: 65.1/57$

All: -30.107 ± 84.966 $\chi^2/\text{NDF}: 123.2/117$

- sign -21.089 ± 85.481 $\chi^2/\text{NDF}: 57.1/59$

asym_atr_dd_correction_rms vs Slug



Right In: 4880.431+/-0.847 χ^2/NDF : 2982362.3/32

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 60.351+/-0.061 χ^2/NDF : 37471355.1/36

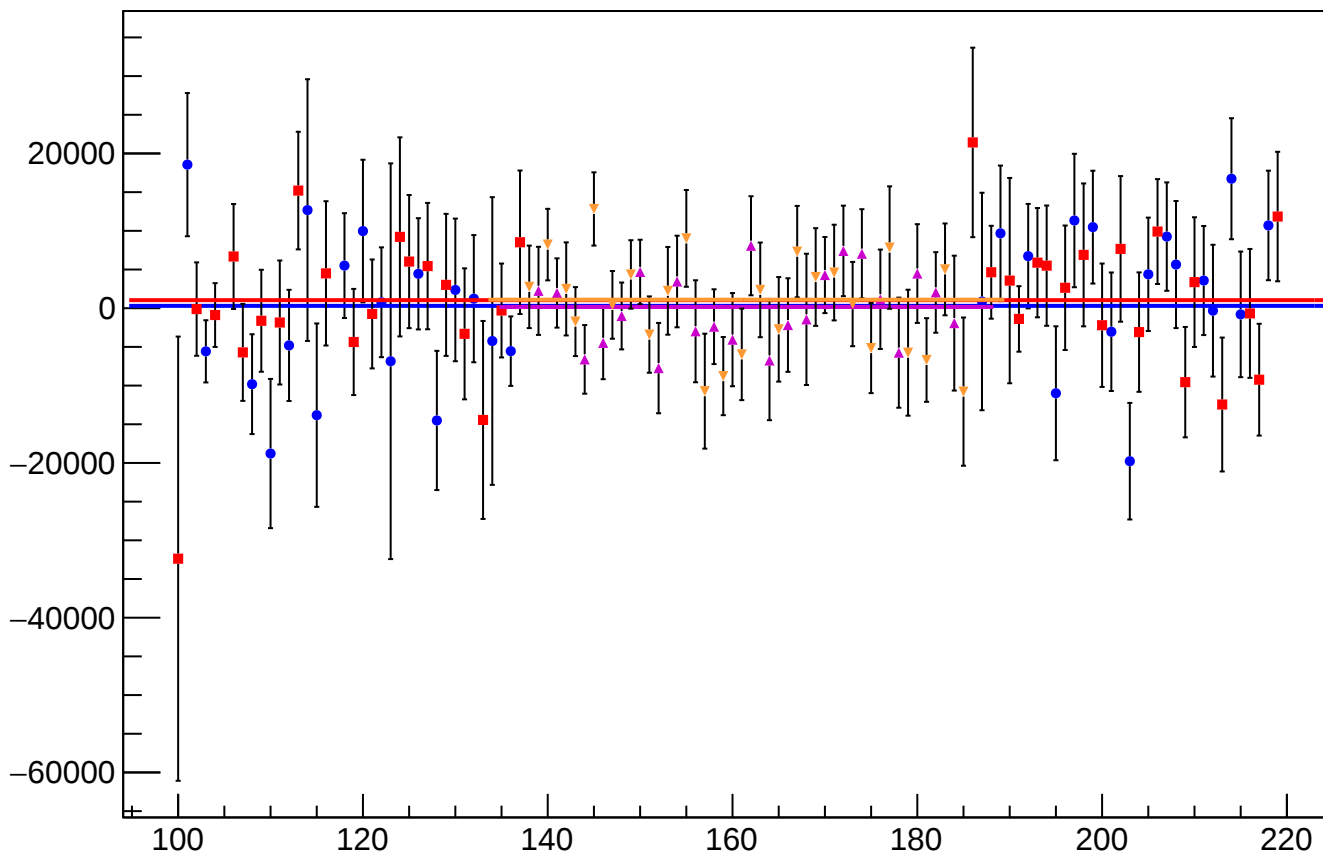
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4522.650+/-0.548 χ^2/NDF : 4644404.9/57

All: 141.529+/-0.060 χ^2/NDF : 140313975.1/100

- sign 88.314+/-0.060 χ^2/NDF : 71081792.1/59

asym_atr_dd_mean vs Slug



Right In: 304.270 ± 1331.985 χ^2/NDF : 45.3/32

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1039.648 ± 1222.485 χ^2/NDF : 27.4/36

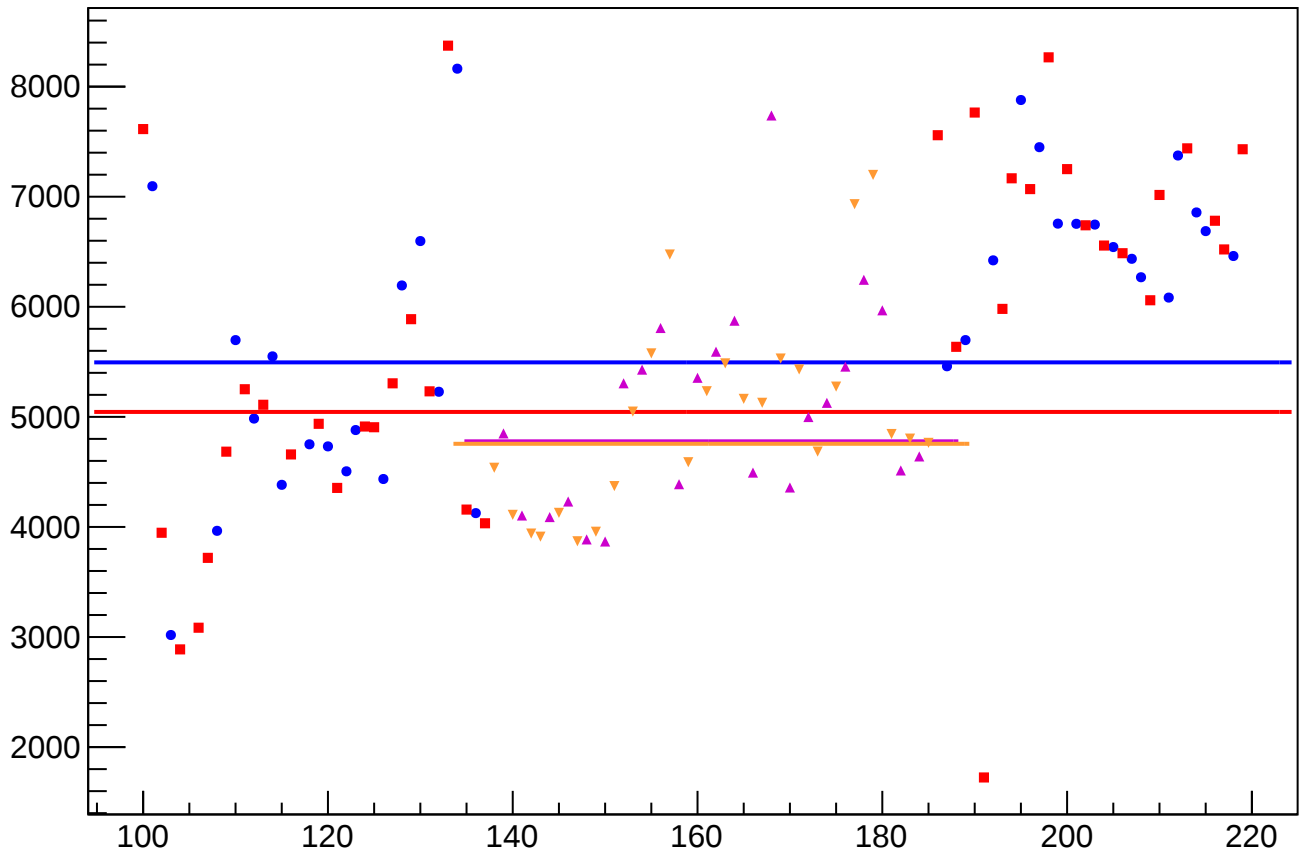
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 769.411 ± 860.207 χ^2/NDF : 74.1/57

All: 670.972 ± 601.733 χ^2/NDF : 117.3/117

- sign 576.647 ± 842.042 χ^2/NDF : 43.2/59

asym_atr_dd_rms vs Slug



Right In: 5495.053 ± 0.942 $\chi^2/\text{NDF}: 2160862.4/32$

Left Out: 4755.383 ± 0.797 $\chi^2/\text{NDF}: 953328.0/24$

Right Out: 5044.843 ± 0.862 $\chi^2/\text{NDF}: 4164296.0/36$

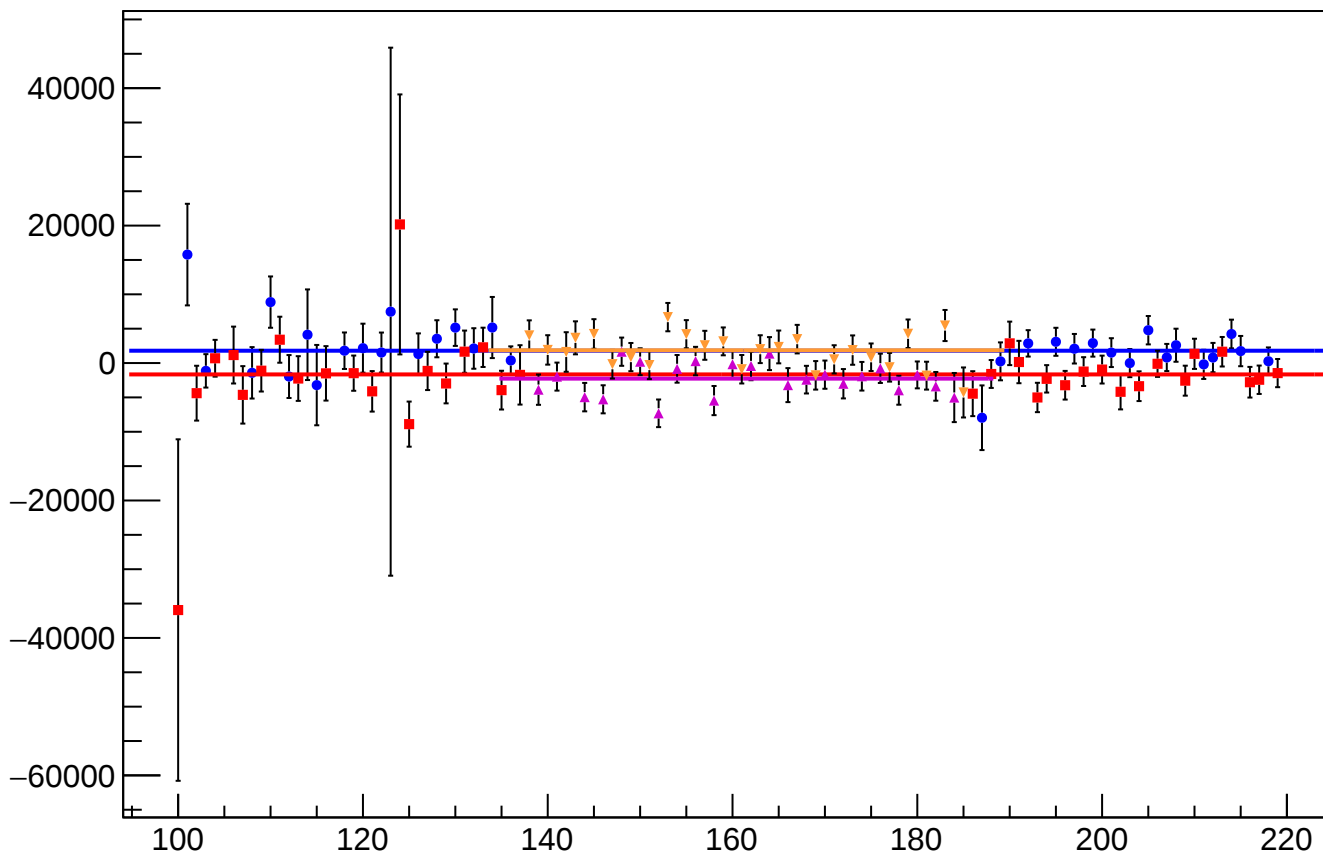
Left In: 4777.831 ± 0.821 $\chi^2/\text{NDF}: 950291.2/22$

+ sign 5063.876 ± 0.608 $\chi^2/\text{NDF}: 3473712.0/57$

All: 4982.582 ± 0.425 $\chi^2/\text{NDF}: 8673529.4/11$

- sign 4904.900 ± 0.595 $\chi^2/\text{NDF}: 5164886.0/59$

reg_asym_at1_avg_mean vs Slug



Right In: 1793.447 $\pm$ 445.591 χ^2 /NDF: 26.7/32

Left Out: 1856.570 $\pm$ 430.977 χ^2 /NDF:30.0/24

Right Out: -1655.410 $\pm$ 432.024 χ^2 /NDF: 30.8/36

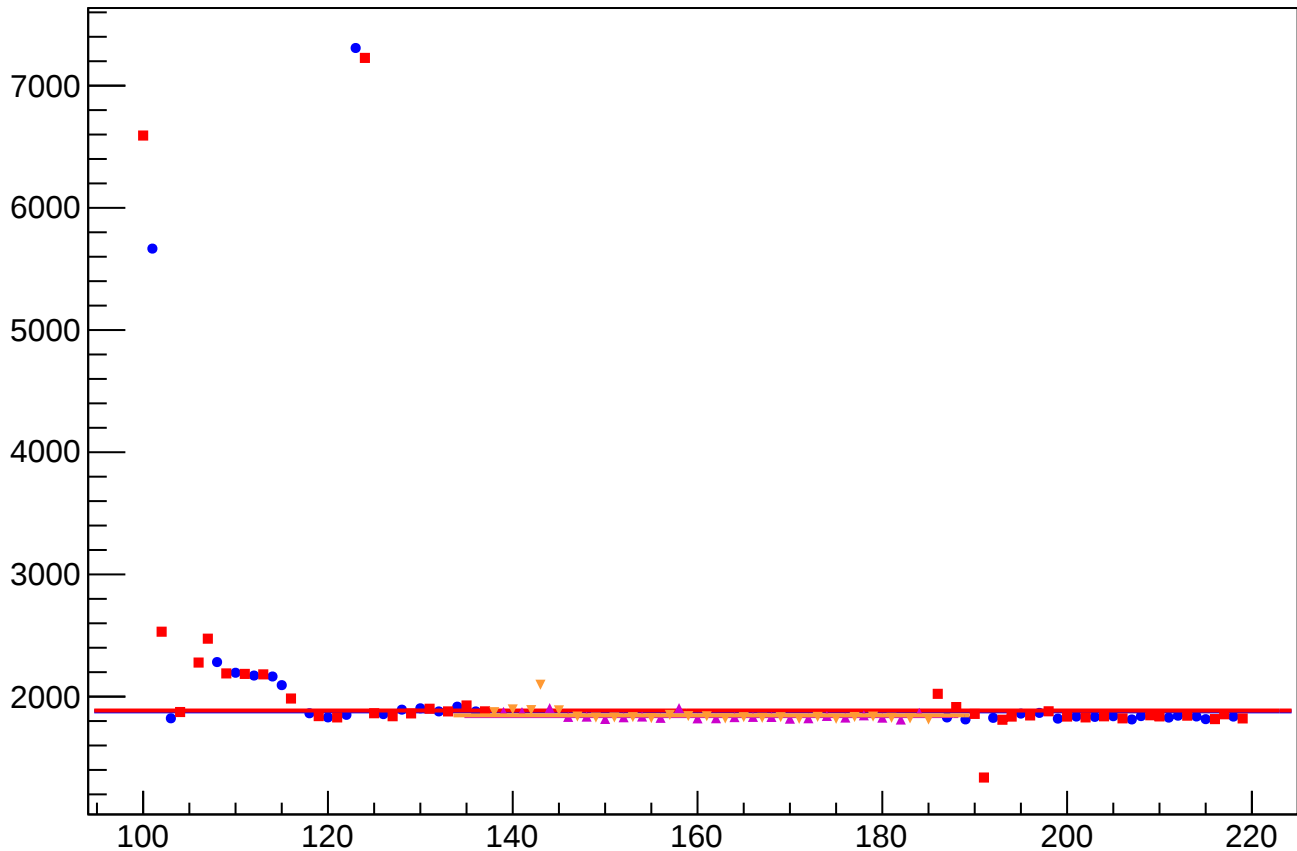
Left In: -2268.464 $\pm$ 441.710 χ^2 /NDF:26.9/22

+ sign 1826.061 $\pm$ 309.784 χ^2 /NDF: 56.7/57

All: -70.221 $\pm$ 218.721 χ^2 /NDF: 190.1/117

- sign -1955.142 $\pm$ 308.855 χ^2 /NDF: 58.6/59

reg_asym_at1_avg_rms vs Slug



Right In: 1879.201 $\pm$ 0.315 χ^2 /NDF: 644136.9/32

Left Out: 1846.602 $\pm$ 0.305 χ^2 /NDF: 27302.8/24

Right Out: 1886.245 $\pm$ 0.305 χ^2 /NDF: 481528.0/36

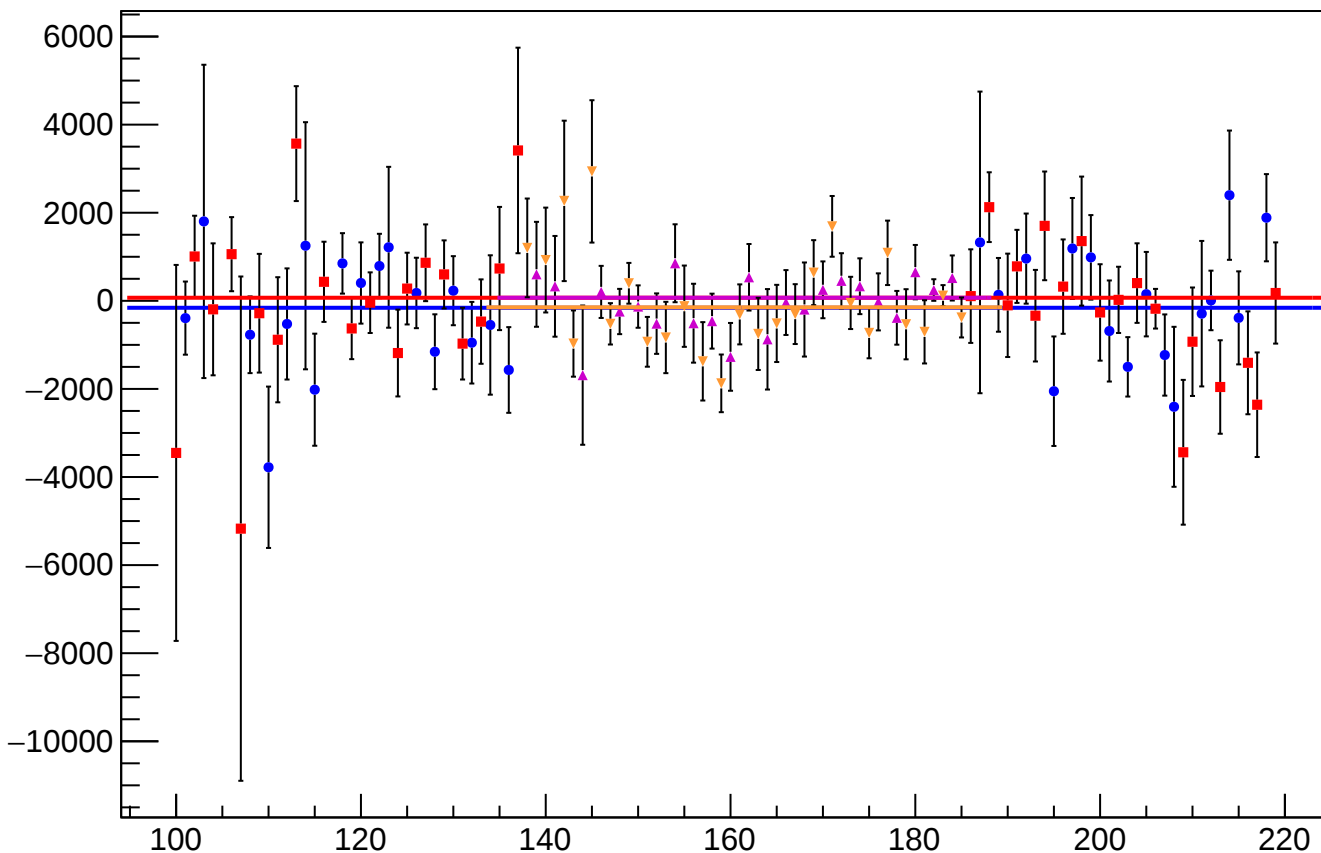
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1862.358 $\pm$ 0.219 χ^2 /NDF: 676970.5/57

All: 1863.131 $\pm$ 0.155 χ^2 /NDF: 1176206.9/11

- sign 1863.900 $\pm$ 0.218 χ^2 /NDF: 499211.6/59

asym_at1_avg_correction_mean vs Slug



Right In: -157.854 ± 175.115 χ^2/NDF : 37.9/32

Left Out: -146.999 ± 121.984 χ^2/NDF : 37.7/24

Right Out: 69.816 ± 159.302 χ^2/NDF : 45.5/36

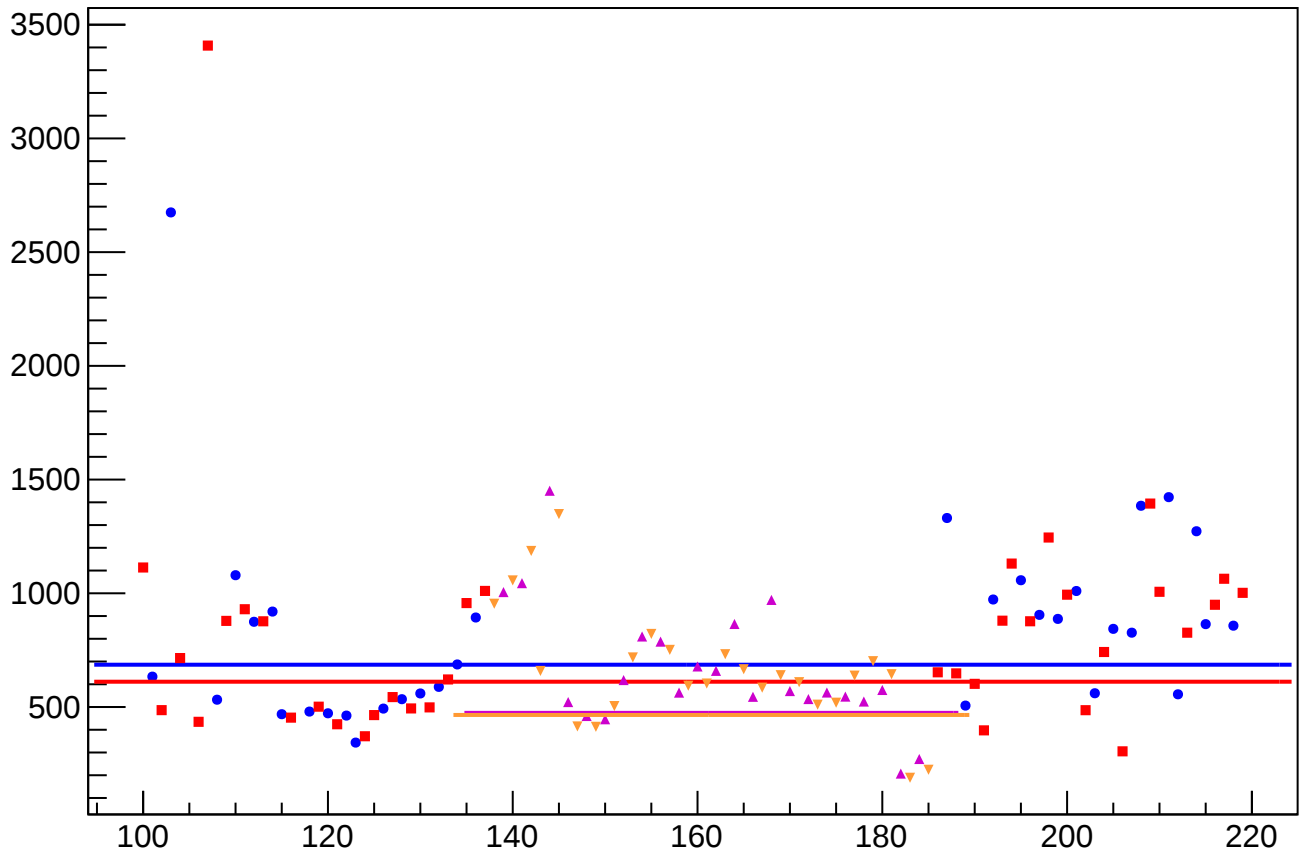
Left In: 70.340 ± 126.373 χ^2/NDF : 12.3/22

+ sign -150.545 ± 100.093 χ^2/NDF : 75.6/57

All: -38.997 ± 70.388 χ^2/NDF : 135.9/117

- sign 70.138 ± 99.004 χ^2/NDF : 57.8/59

asym_at1_avg_correction_rms vs Slug



Right In: 685.967 $\pm$ 0.124 χ^2 /NDF: 3990595.0/32

Left Out: 465.080 $\pm$ 0.086 χ^2 /NDF:7086137.6/24

Right Out: 611.229 $\pm$ 0.113 χ^2 /NDF: 5445895.7/36

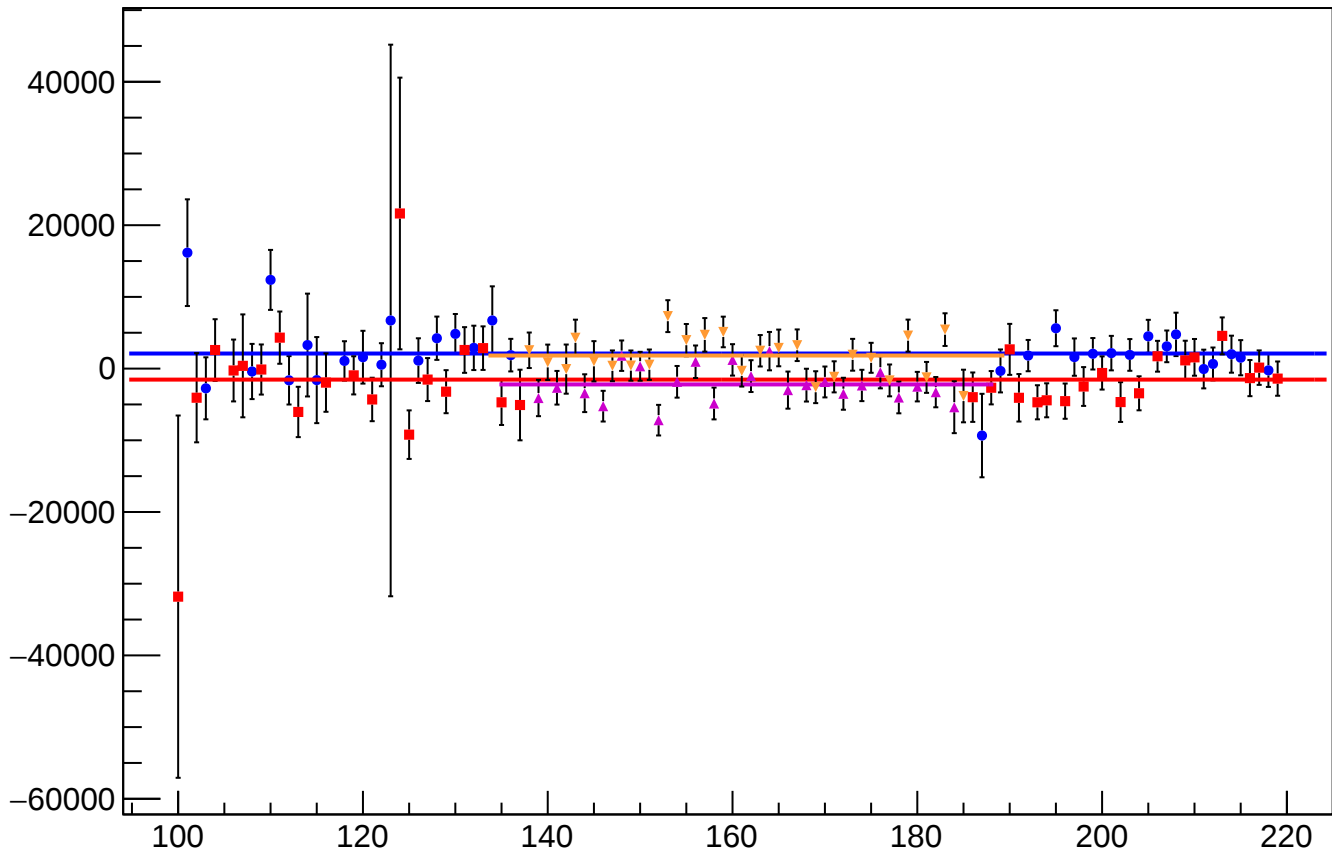
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF:6173100.1/22

+ sign 537.246 $\pm$ 0.071 χ^2 /NDF: 13219264.5/57

All: 532.150 $\pm$ 0.050 χ^2 /NDF: 25755933.9/1

- sign 527.165 $\pm$ 0.070 χ^2 /NDF: 12526413.5/59

asym_at1_avg_mean vs Slug



Right In: 2102.263 $\pm$ 505.624 χ^2 /NDF: 26.7/32

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -1534.795 $\pm$ 493.020 χ^2 /NDF: 40.7/36

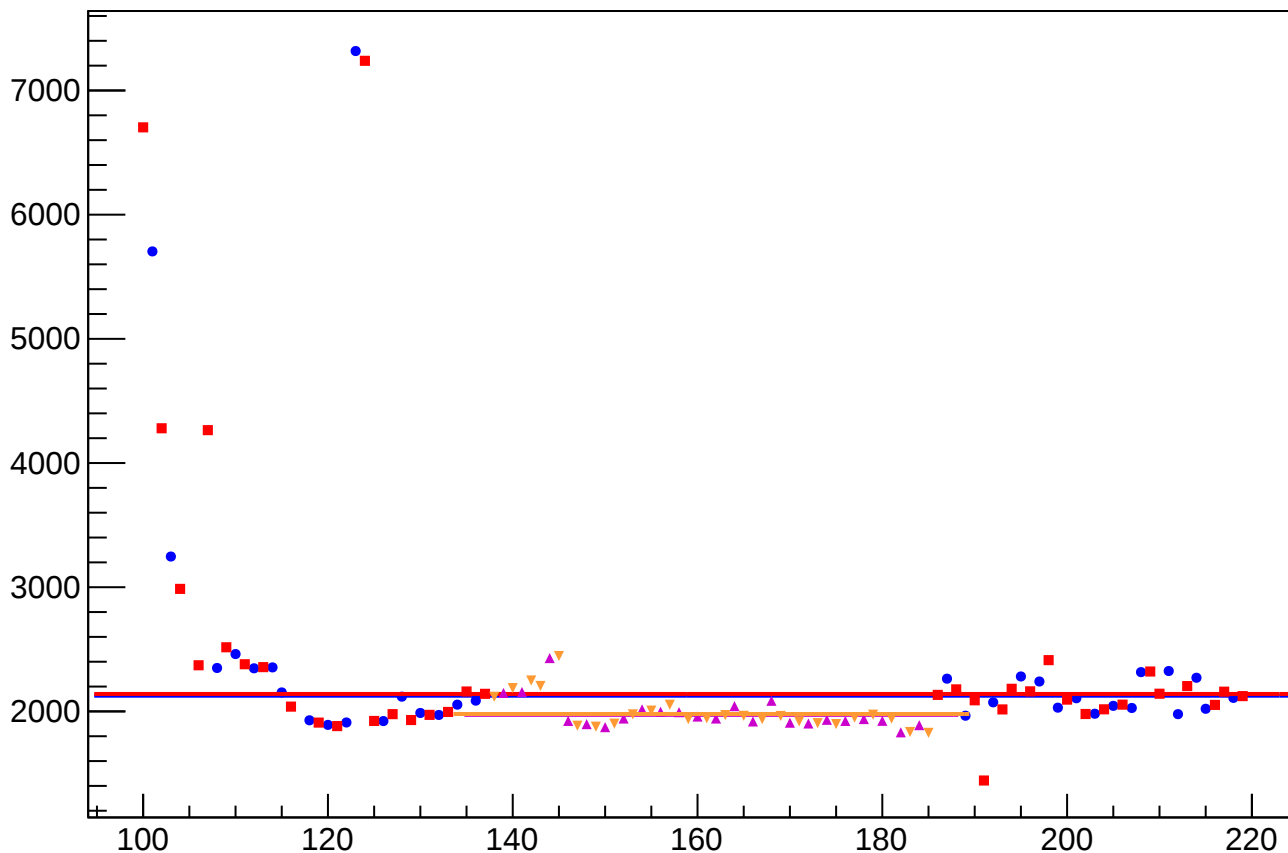
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 1950.855 $\pm$ 341.344 χ^2 /NDF: 59.0/57

All: 35.175 $\pm$ 241.497 χ^2 /NDF: 189.1/117

- sign -1884.657 $\pm$ 341.714 χ^2 /NDF: 67.0/59

asym_at1_avg_rms vs Slug



Right In: 2126.489+/-0.358 χ^2 /NDF: 787825.3/32

Left Out: 1978.997+/-0.327 χ^2 /NDF:139299.8/24

Right Out: 2140.367+/-0.349 χ^2 /NDF: 954399.6/36

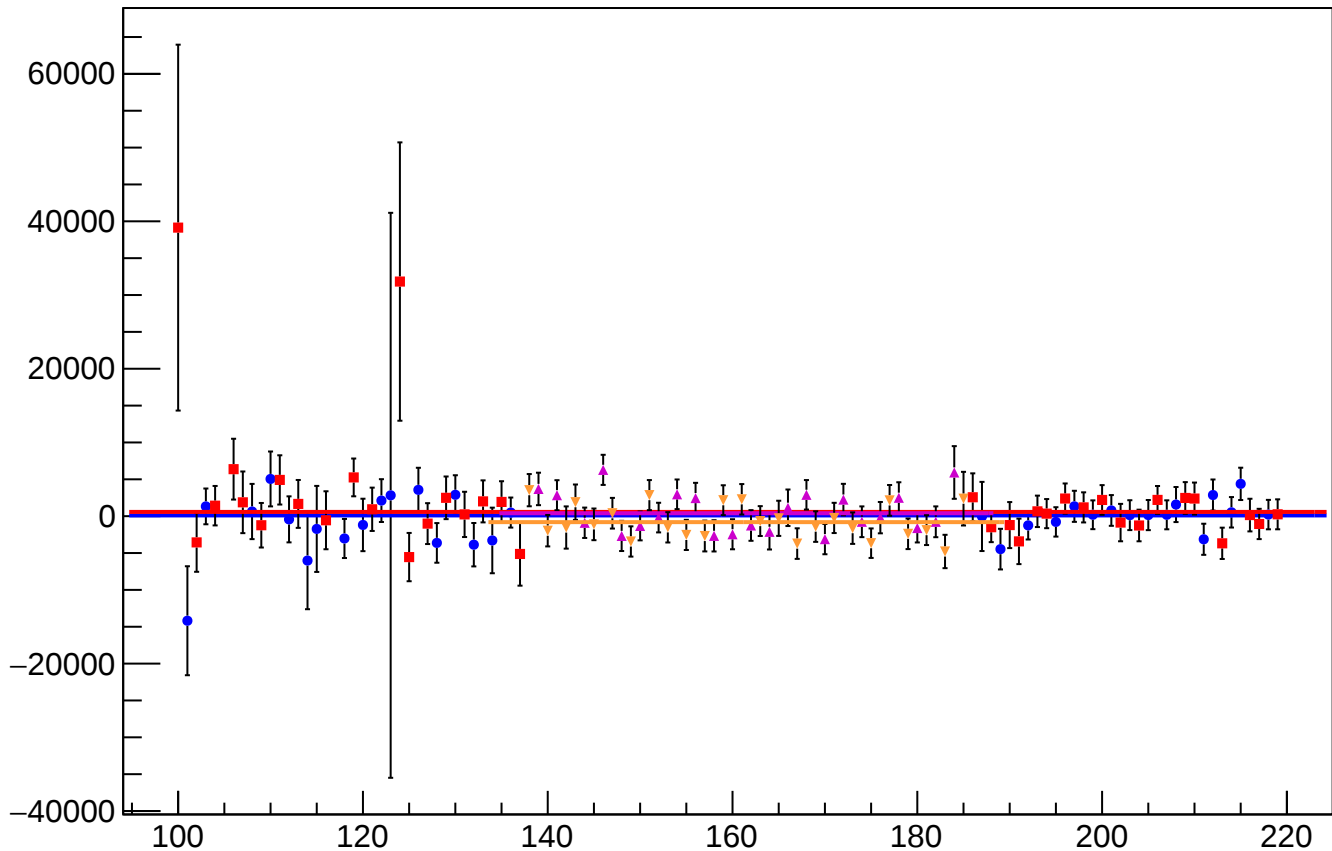
Left In: 1972.166+/-0.335 χ^2 /NDF:116452.5/22

+ sign 2046.217+/-0.241 χ^2 /NDF: 1019745.3/57

All: 2049.589+/-0.171 χ^2 /NDF: 2211946.5/11

- sign 2052.969+/-0.242 χ^2 /NDF: 1191810.3/59

reg_asym_at1_dd_mean vs Slug



Right In: 100.152 $\pm$ 442.502 χ^2 /NDF: 27.8/32

Left Out: -808.436 $\pm$ 430.304 χ^2 /NDF: 27.9/24

Right Out: 578.239 $\pm$ 428.760 χ^2 /NDF: 33.5/36

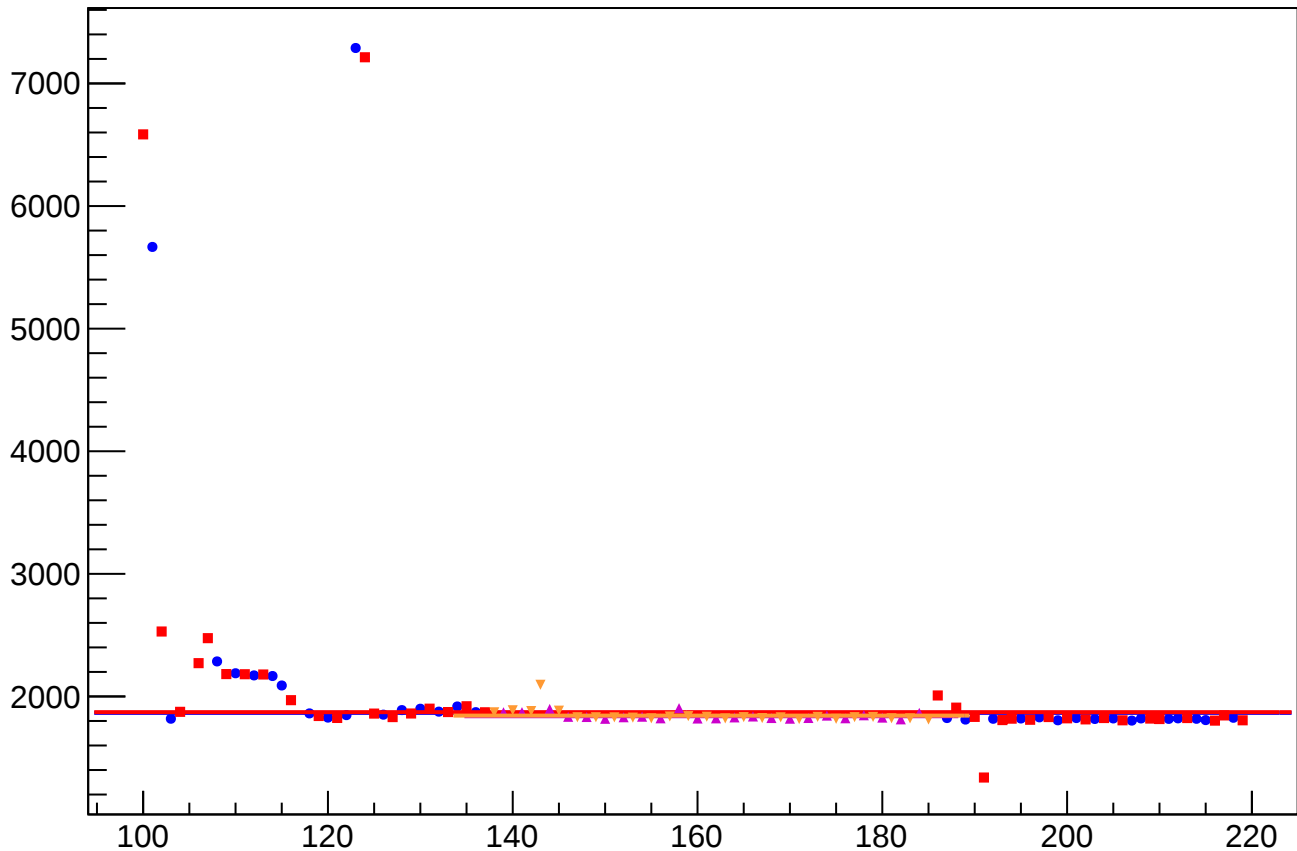
Left In: 398.797 $\pm$ 441.246 χ^2 /NDF: 34.4/22

+ sign -366.838 $\pm$ 308.493 χ^2 /NDF: 57.9/57

All: 63.513 $\pm$ 217.785 χ^2 /NDF: 129.8/117

- sign 491.093 $\pm$ 307.498 χ^2 /NDF: 68.0/59

reg_asym_at1_dd_rms vs Slug



Right In: 1865.944+/-0.313 χ^2/NDF : 653967.5/32

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1871.800+/-0.303 χ^2/NDF : 490439.9/36

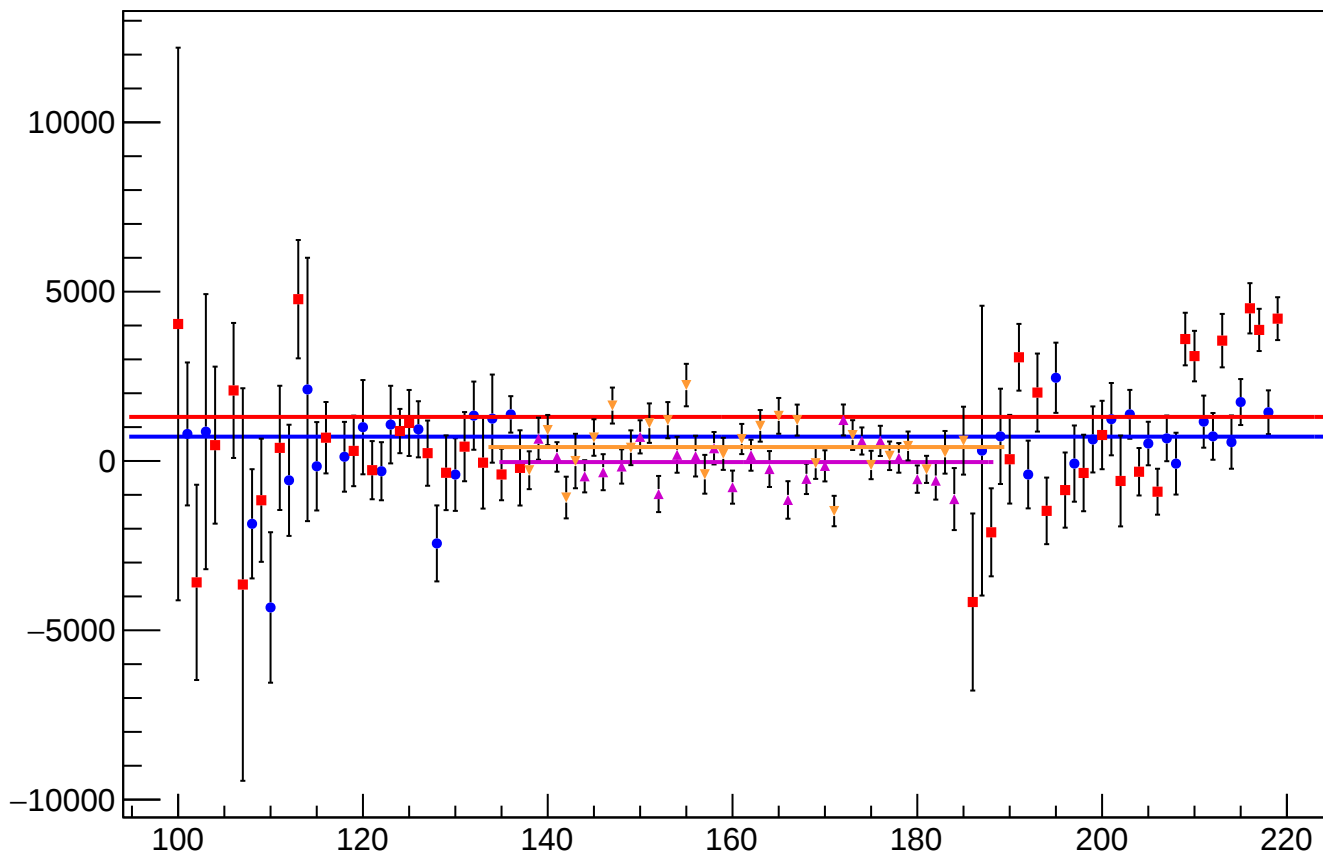
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1854.535+/-0.218 χ^2/NDF : 683421.5/57

All: 1855.110+/-0.154 χ^2/NDF : 1186030.2/118

- sign 1855.682+/-0.217 χ^2/NDF : 502594.9/59

asym_at1_dd_correction_mean vs Slug



Right In: 718.044 $\pm$ 165.436 χ^2/NDF : 32.3/32

Left Out: 411.072 $\pm$ 100.456 χ^2/NDF : 61.2/24

Right Out: 1301.214 $\pm$ 163.370 χ^2/NDF : 154.4/36

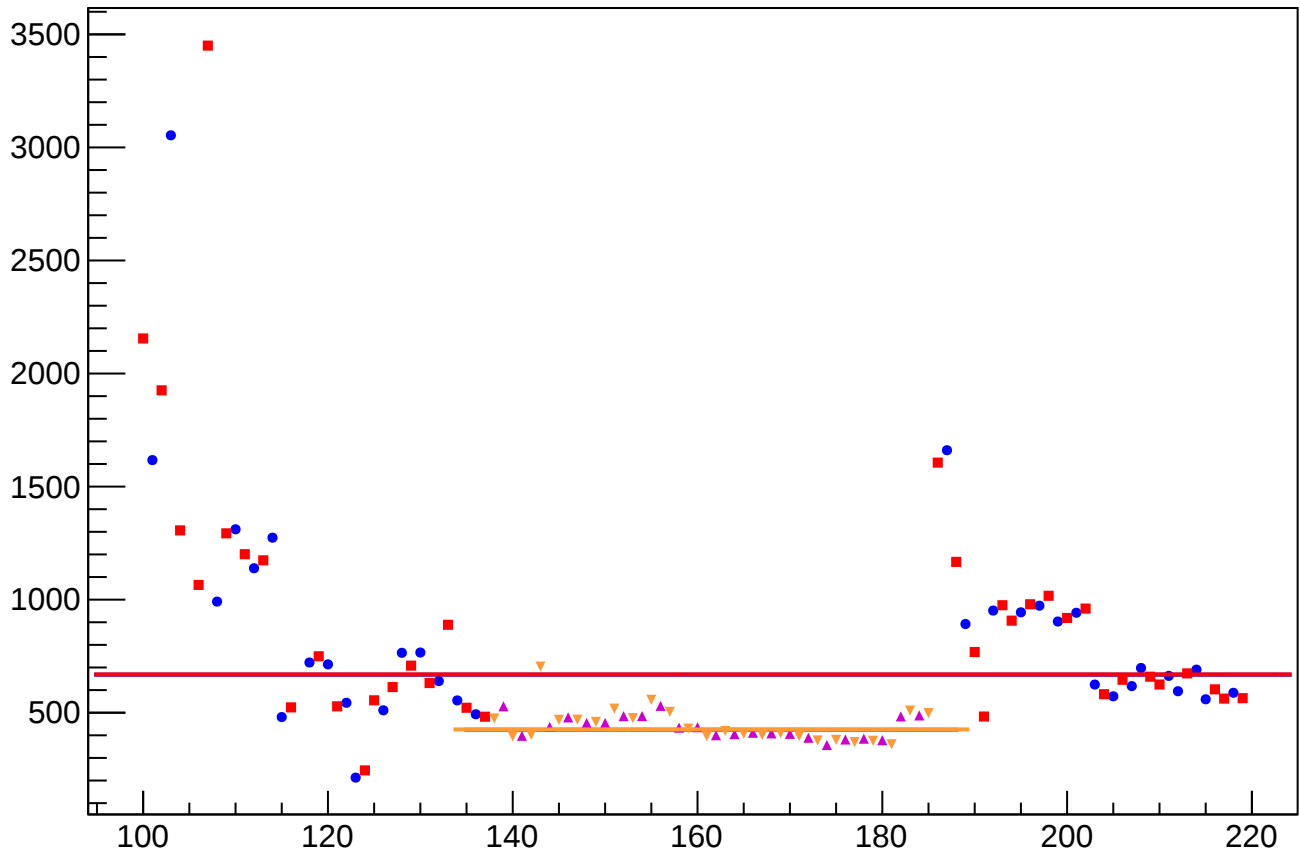
Left In: -32.456 $\pm$ 102.403 χ^2/NDF : 32.7/22

+ sign 493.767 $\pm$ 85.866 χ^2/NDF : 96.0/57

All: 419.535 $\pm$ 61.032 χ^2/NDF : 332.4/117

- sign 343.736 $\pm$ 86.767 χ^2/NDF : 235.0/59

asym_at1_dd_correction_rms vs Slug



Right In: 668.182 $\pm$ 0.117 χ^2 /NDF: 3320686.7/32

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 669.358 $\pm$ 0.116 χ^2 /NDF: 4501878.3/36

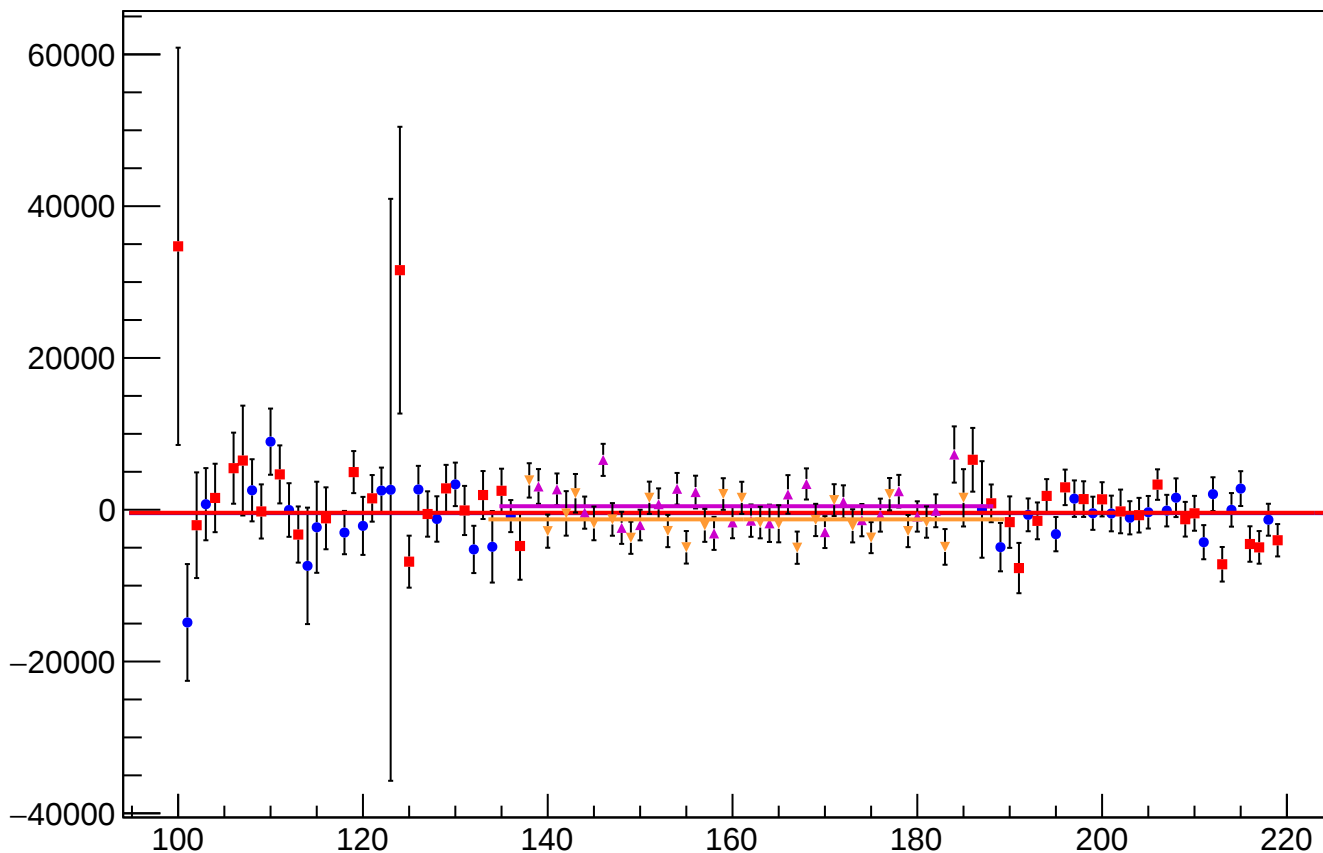
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 491.261 $\pm$ 0.061 χ^2 /NDF: 7184465.0/57

All: 492.452 $\pm$ 0.043 χ^2 /NDF: 15300549.6/1

- sign 493.667 $\pm$ 0.061 χ^2 /NDF: 8115307.4/59

asym_at1_dd_mean vs Slug



Right In: -446.936 ± 485.916 χ^2/NDF : 29.0/32

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: -399.528 ± 476.503 χ^2/NDF : 56.4/36

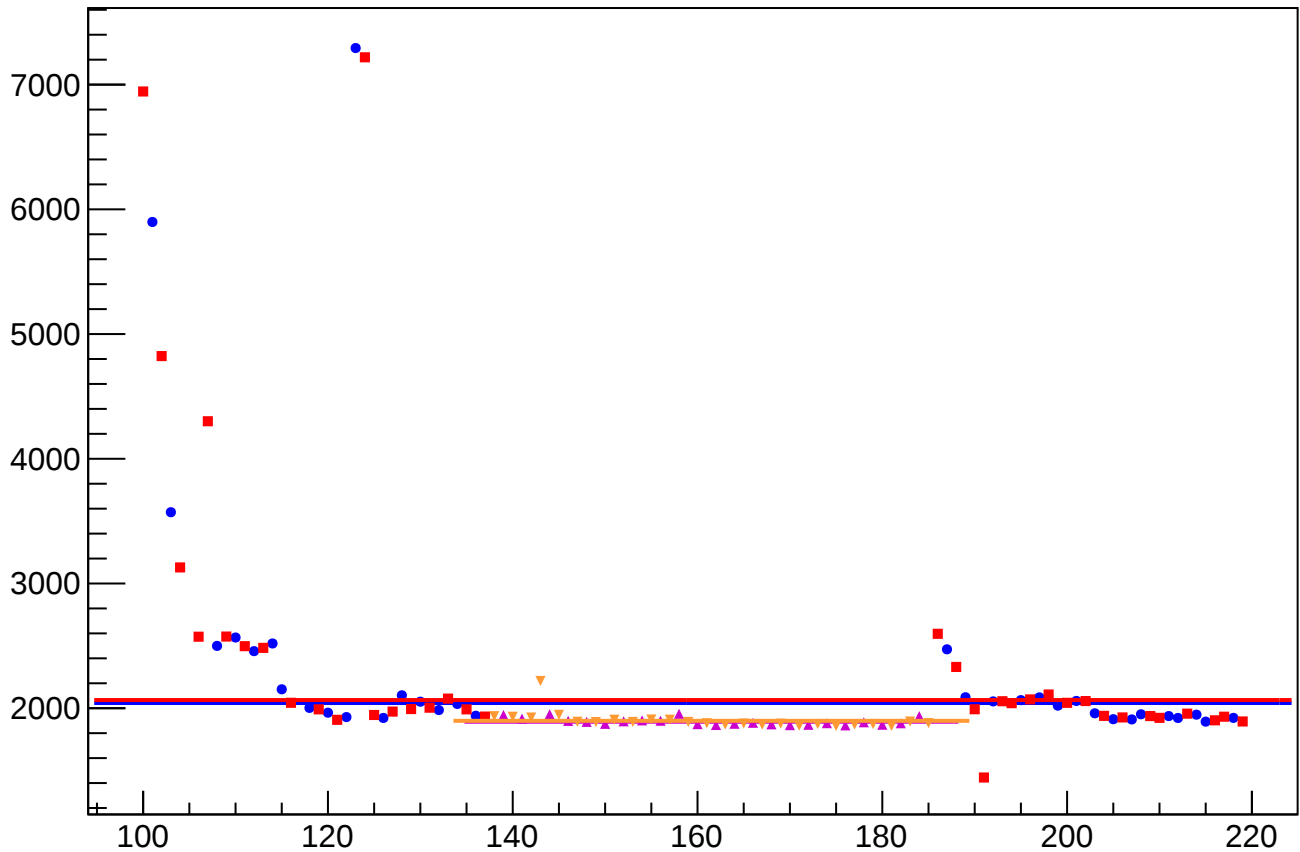
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -895.057 ± 327.460 χ^2/NDF : 61.3/57

All: -423.070 ± 231.977 χ^2/NDF : 156.2/117

- sign 52.423 ± 328.674 χ^2/NDF : 90.7/59

asym_at1_dd_rms vs Slug



Right In: 2041.759 $\pm$ 0.344 χ^2 /NDF: 910616.8/32

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2065.447 $\pm$ 0.337 χ^2 /NDF: 1157705.9/36

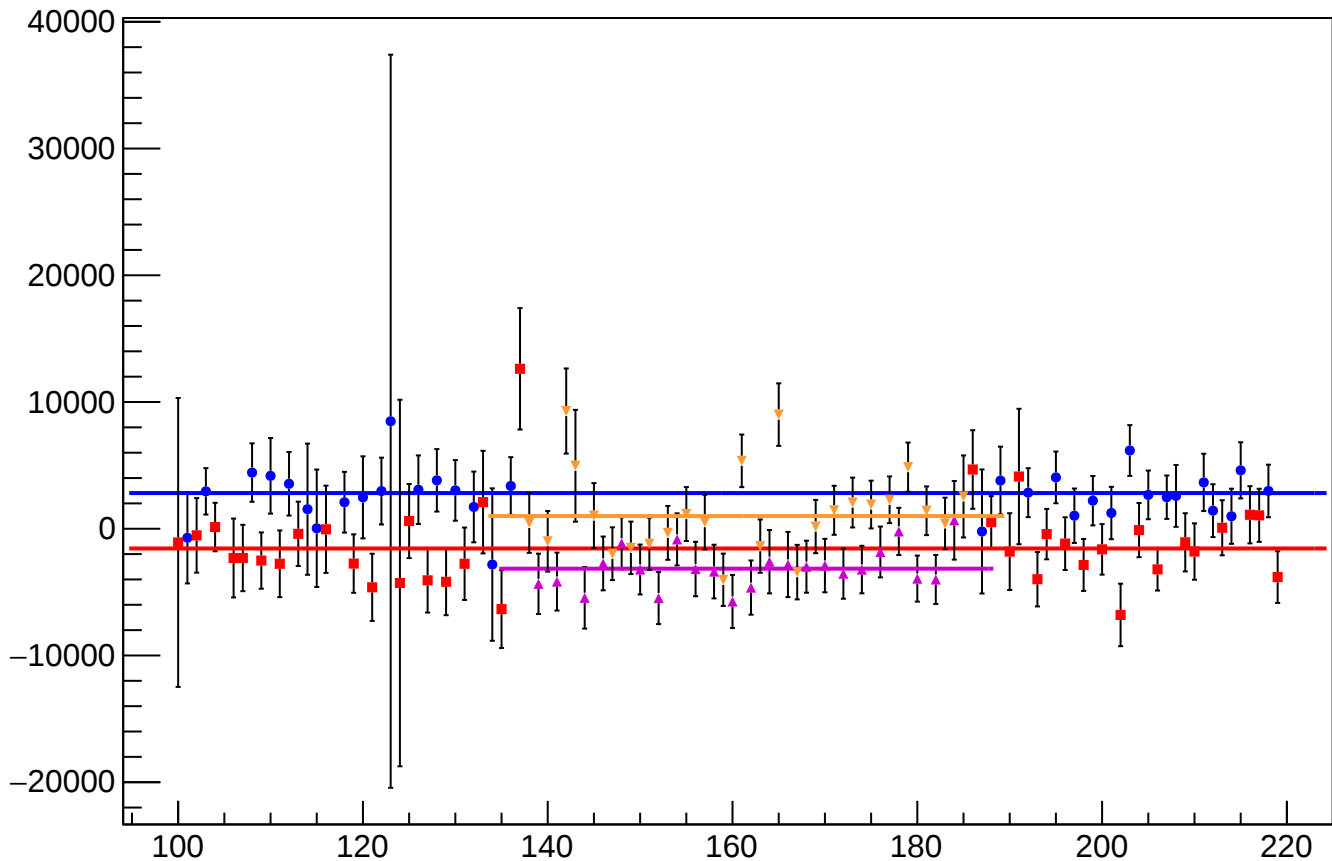
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1963.812 $\pm$ 0.232 χ^2 /NDF: 1043578.8/57

All: 1969.067 $\pm$ 0.164 χ^2 /NDF: 2349148.8/11

- sign 1974.360 $\pm$ 0.232 χ^2 /NDF: 1304536.2/59

reg_asym_at2_avg_mean vs Slug



Right In: 2815.087 ± 420.120 χ^2/NDF : 10.7/32

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1557.177 ± 408.156 χ^2/NDF : 37.2/36

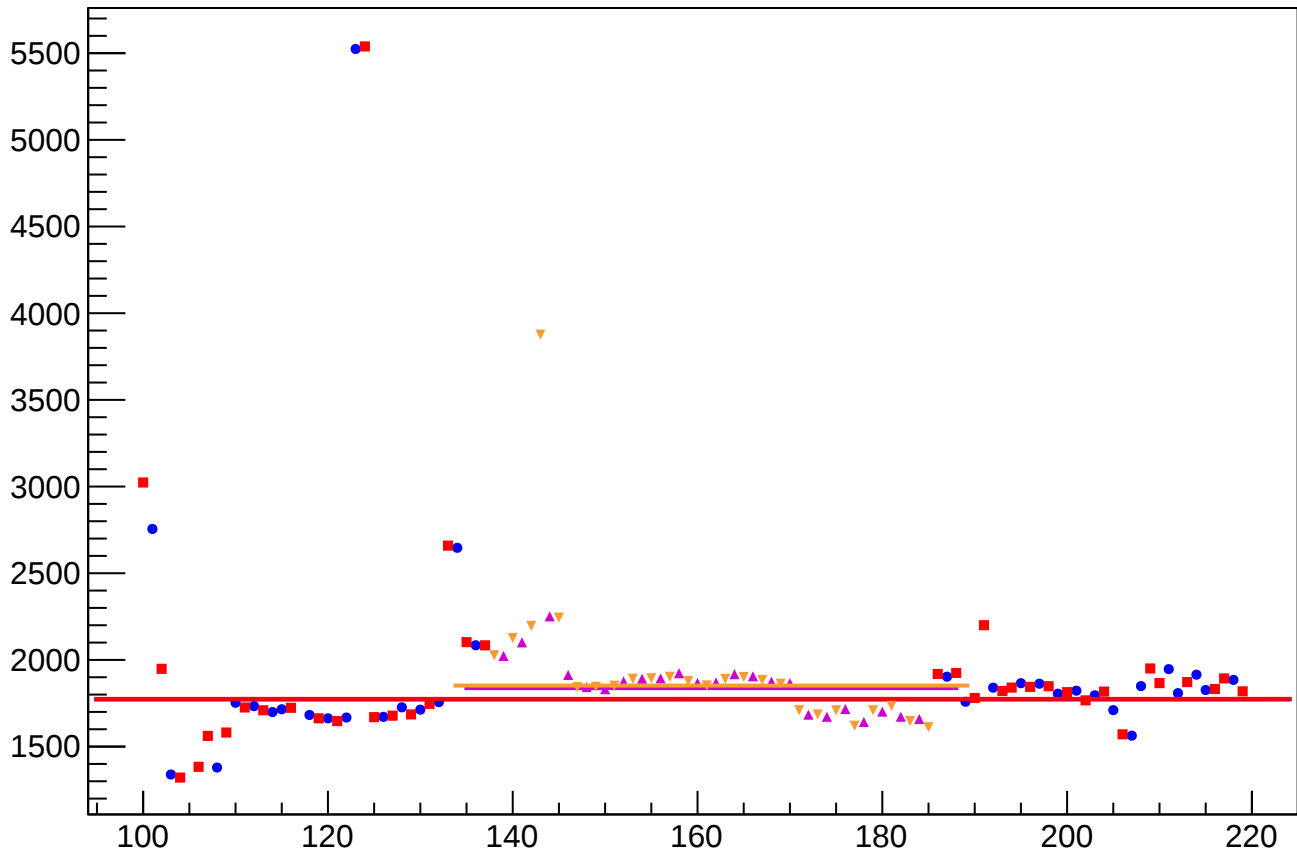
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1940.242 ± 302.276 χ^2/NDF : 64.3/57

All: -194.744 ± 212.787 χ^2/NDF : 219.2/117

- sign -2292.014 ± 299.594 χ^2/NDF : 56.0/59

reg_asym_at2_avg_rms vs Slug



Right In: 1771.873+/-0.297 χ^2/NDF : 522958.4/32

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1775.281+/-0.289 χ^2/NDF : 580333.4/36

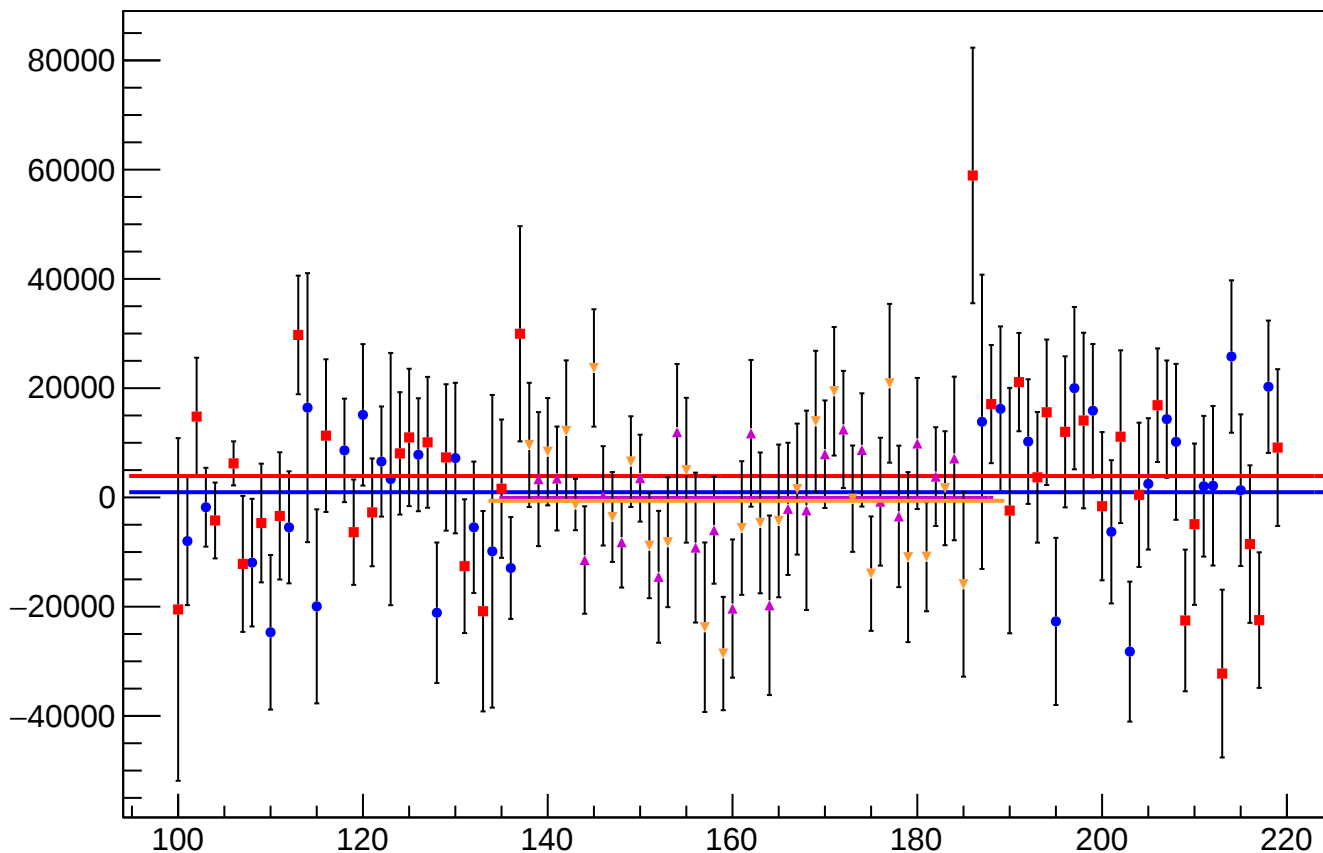
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1810.500+/-0.214 χ^2/NDF : 1206965.8/57

All: 1807.128+/-0.150 χ^2/NDF : 2009501.4/11

- sign 1803.816+/-0.212 χ^2/NDF : 802042.4/59

asym_at2_avg_correction_mean vs Slug



Right In: 954.095 ± 2174.363 $\chi^2/\text{NDF}: 36.5/32$

Left Out: -619.372 ± 2069.686 $\chi^2/\text{NDF}: 30.1/24$

Right Out: 3914.218 ± 1838.366 $\chi^2/\text{NDF}: 49.5/36$

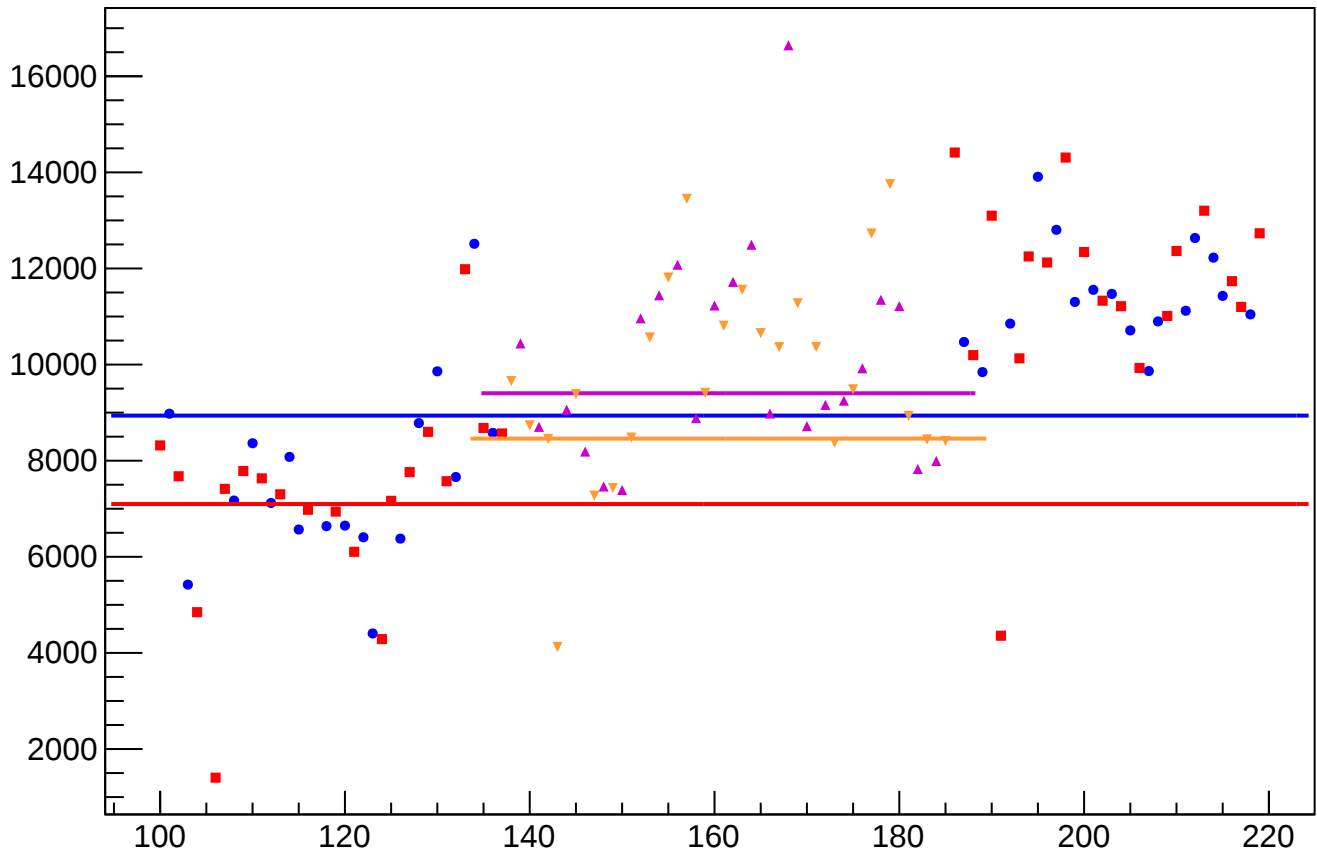
Left In: -93.334 ± 2293.826 $\chi^2/\text{NDF}: 14.6/22$

+ sign 128.577 ± 1499.129 $\chi^2/\text{NDF}: 66.9/57$

All: 1286.555 ± 1036.445 $\chi^2/\text{NDF}: 134.0/117$

- sign 2346.862 ± 1434.514 $\chi^2/\text{NDF}: 66.0/59$

asym_at2_avg_correction_rms vs Slug



Right In: 8938.511+/-1.538 χ^2/NDF : 2364534.5/32

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 7098.412+/-1.300 χ^2/NDF : 8638044.4/36

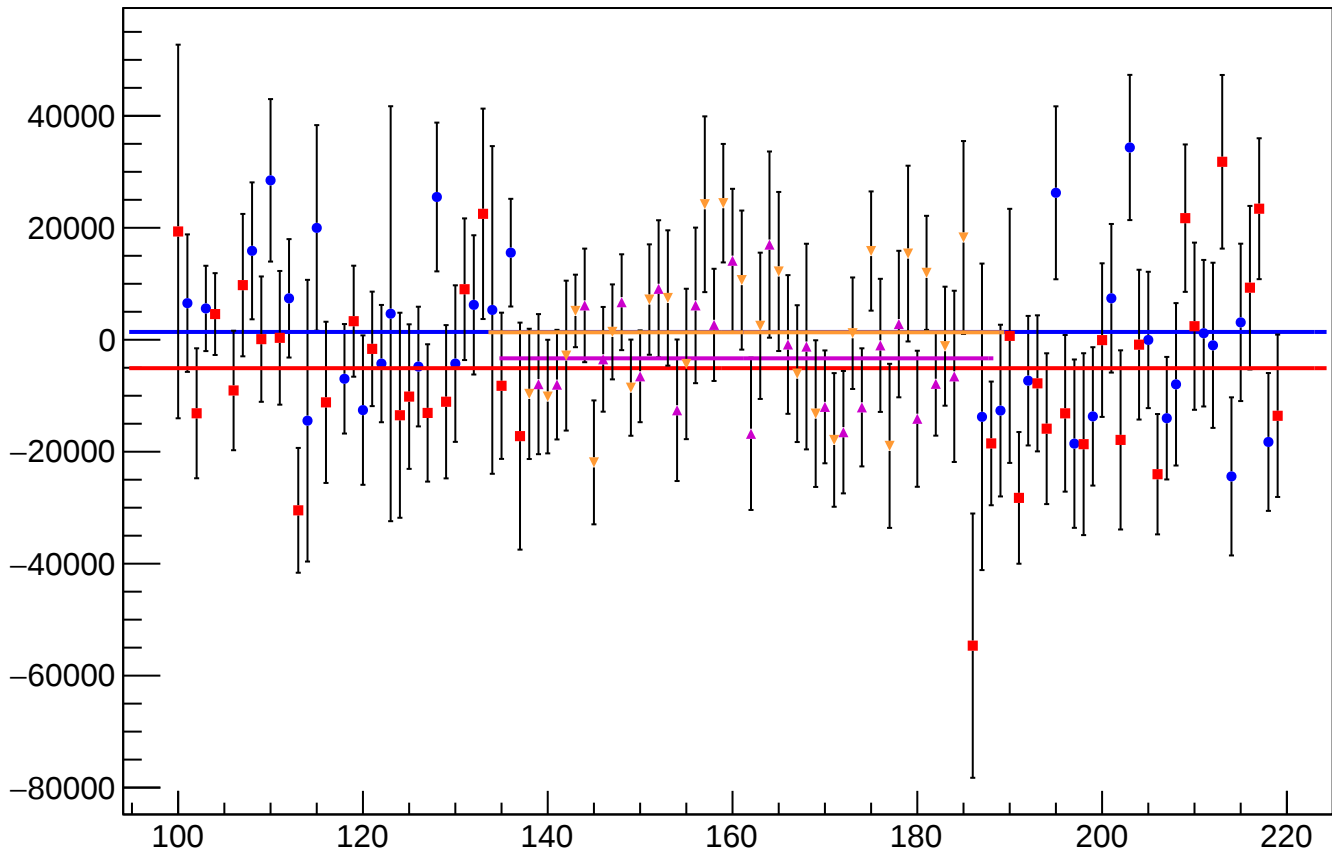
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8687.440+/-1.060 χ^2/NDF : 5502561.7/57

All: 8328.548+/-0.733 χ^2/NDF : 16732600.7/1

- sign 7999.926+/-1.014 χ^2/NDF : 11010456.9/59

asym_at2_avg_mean vs Slug



Right In: 1395.970 ± 2239.361 χ^2/NDF : 37.9/32

Left Out: 1332.828 ± 2213.733 χ^2/NDF : 28.0/24

Right Out: -5076.924 ± 2122.961 χ^2/NDF : 47.7/36

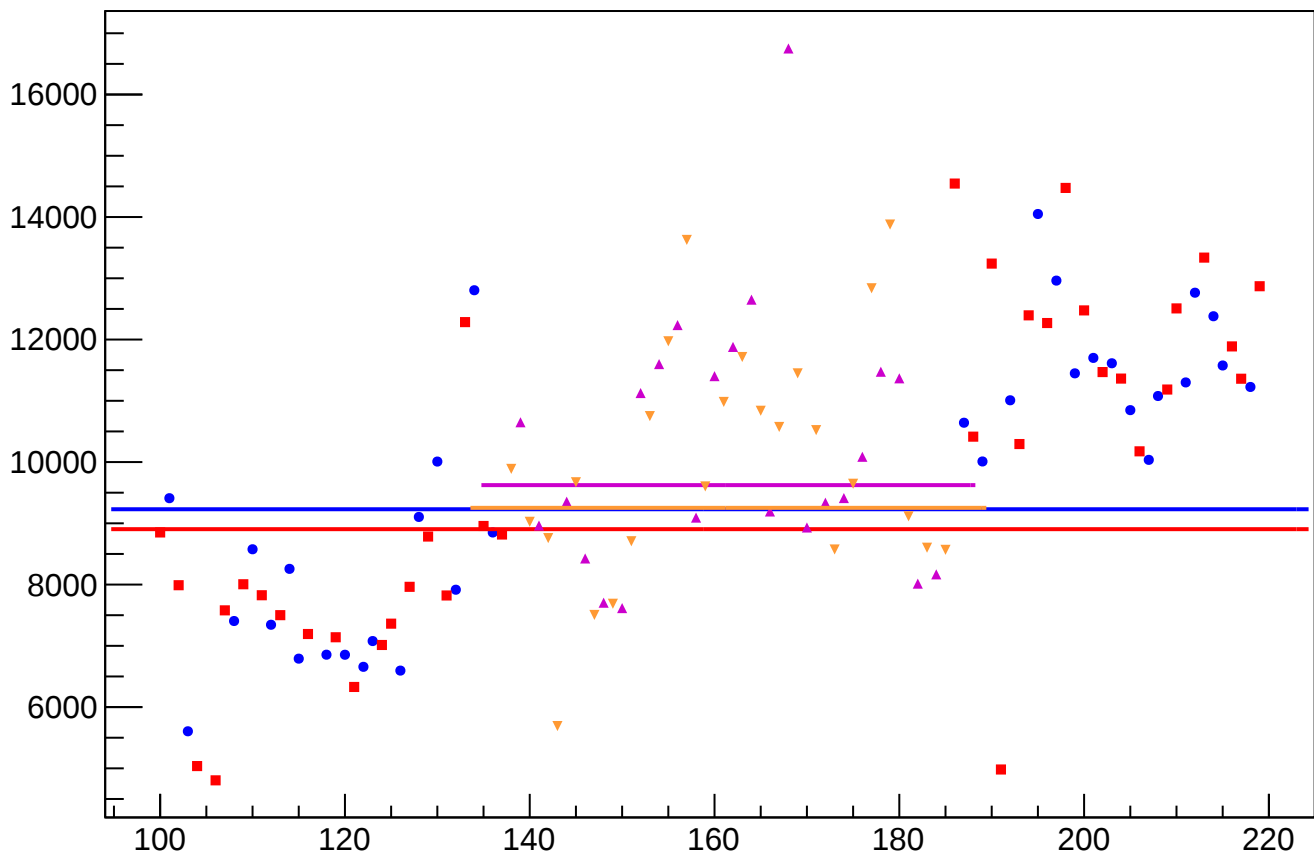
Left In: -3316.909 ± 2344.543 χ^2/NDF : 13.7/22

+ sign 1364.036 ± 1574.328 χ^2/NDF : 66.0/57

All: -1461.141 ± 1112.989 χ^2/NDF : 134.1/111

- sign -4283.996 ± 1573.681 χ^2/NDF : 61.7/59

asym_at2_avg_rms vs Slug



Right In: 9229.693 $\pm$ 1.583 χ^2 /NDF: 2123144.3/32

Left Out: 9252.712 $\pm$ 1.565 χ^2 /NDF:1597668.9/24

Right Out: 8904.569 $\pm$ 1.501 χ^2 /NDF: 3200666.8/36

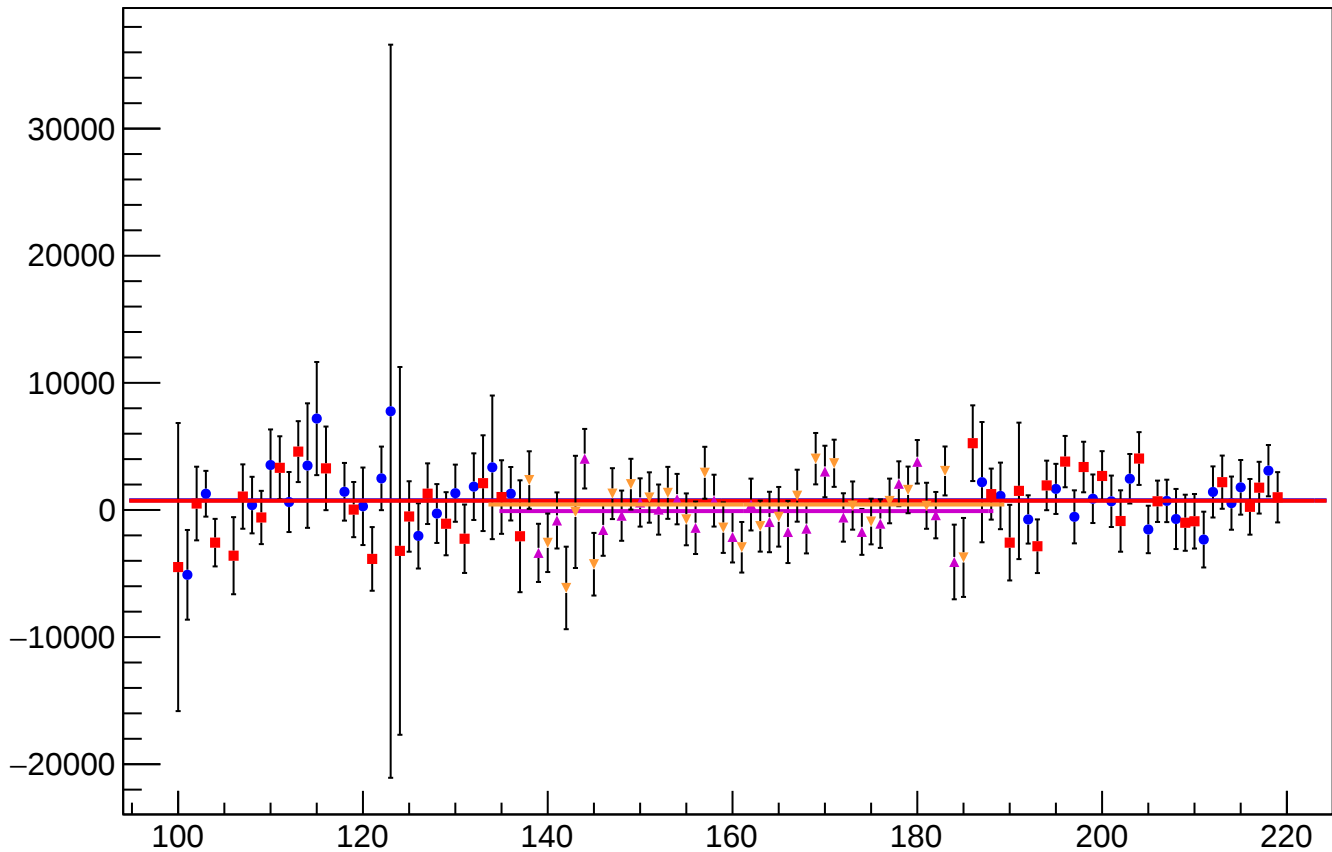
Left In: 9623.485 $\pm$ 1.658 χ^2 /NDF:1069924.0/22

+ sign 9241.335 $\pm$ 1.113 χ^2 /NDF: 3720920.1/57

All: 9234.877 $\pm$ 0.787 χ^2 /NDF: 8094915.1/11

- sign 9228.425 $\pm$ 1.113 χ^2 /NDF: 4373927.7/59

reg_asym_at2_dd_mean vs Slug



Right In: 761.540 $\pm$ 404.887 χ^2 /NDF: 16.4/32

Left Out: 429.447 $\pm$ 416.378 χ^2 /NDF: 28.7/24

Right Out: 724.905 $\pm$ 393.647 χ^2 /NDF: 33.1/36

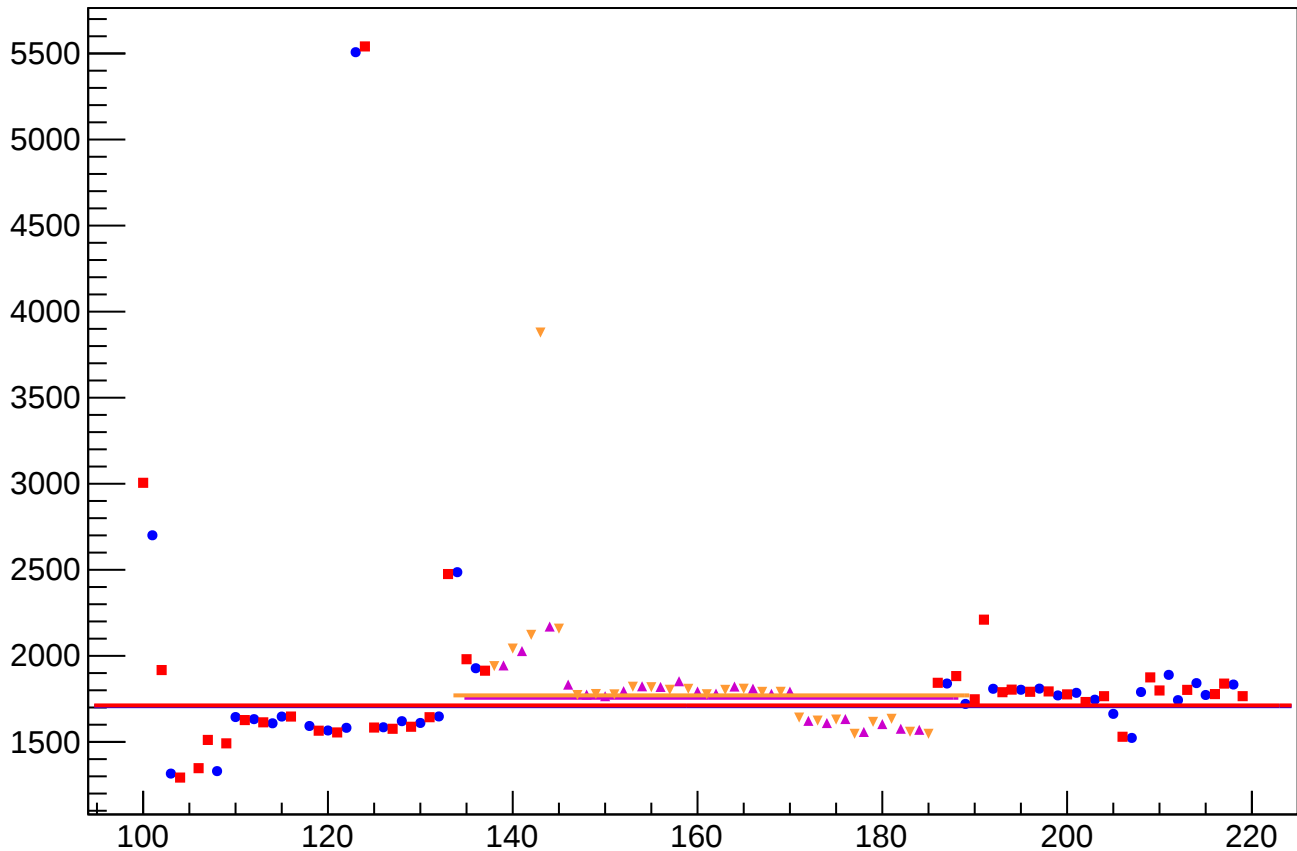
Left In: -88.373 $\pm$ 421.957 χ^2 /NDF: 21.0/22

+ sign 600.139 $\pm$ 290.276 χ^2 /NDF: 45.5/57

All: 472.231 $\pm$ 204.389 χ^2 /NDF: 101.9/117

- sign 346.462 $\pm$ 287.839 χ^2 /NDF: 56.1/59

reg_asym_at2_dd_rms vs Slug



Right In: 1707.658 $\pm$ 0.286 χ^2 /NDF: 518918.5/32

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1712.019 $\pm$ 0.278 χ^2 /NDF: 591397.0/36

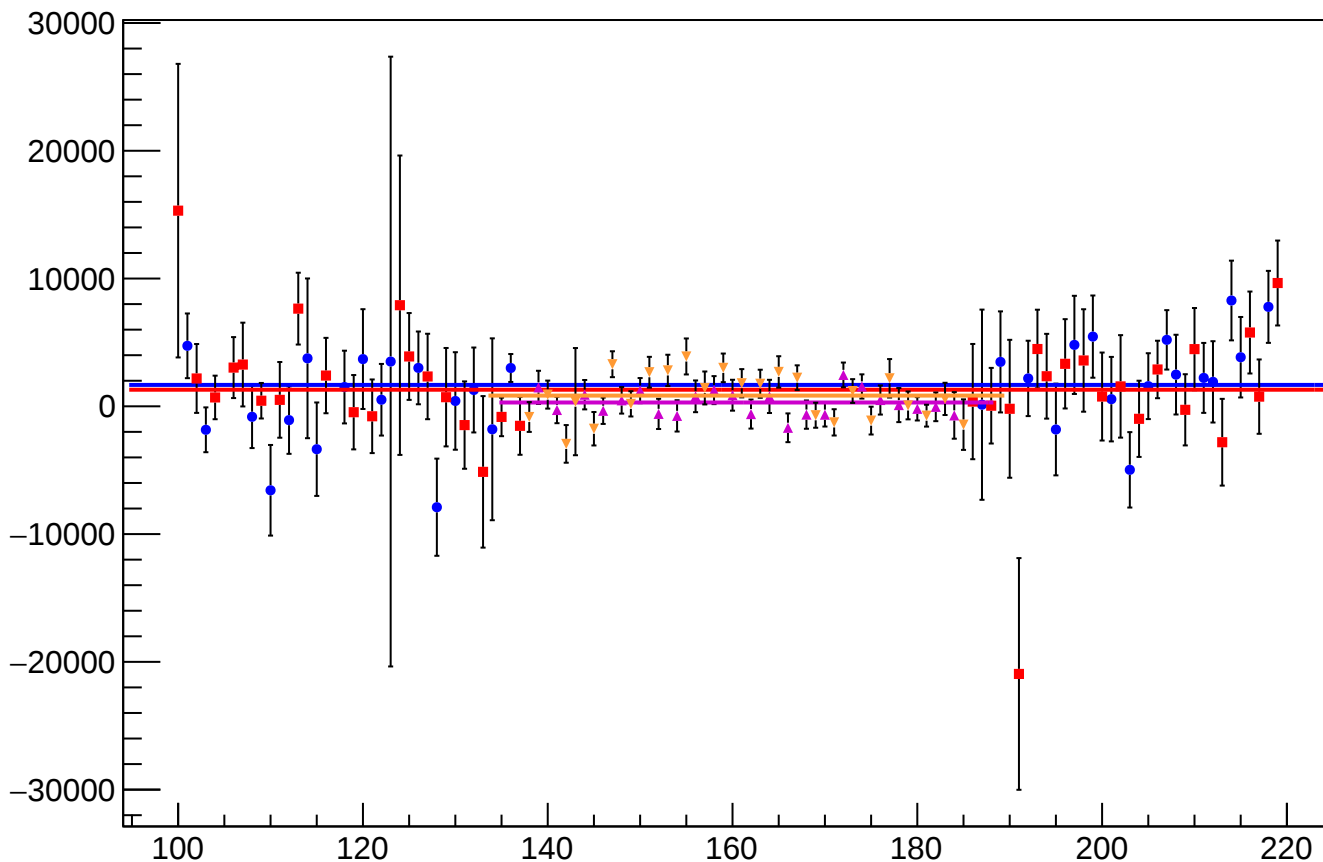
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1738.144 $\pm$ 0.205 χ^2 /NDF: 1241784.4/57

All: 1735.436 $\pm$ 0.145 χ^2 /NDF: 2068553.2/11

- sign 1732.774 $\pm$ 0.204 χ^2 /NDF: 826423.7/59

asym_at2_dd_correction_mean vs Slug



Right In: 1675.442 $\pm$ 491.311 χ^2 /NDF: 44.4/32

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF: 54.4/24

Right Out: 1298.694 $\pm$ 471.734 χ^2 /NDF: 35.9/36

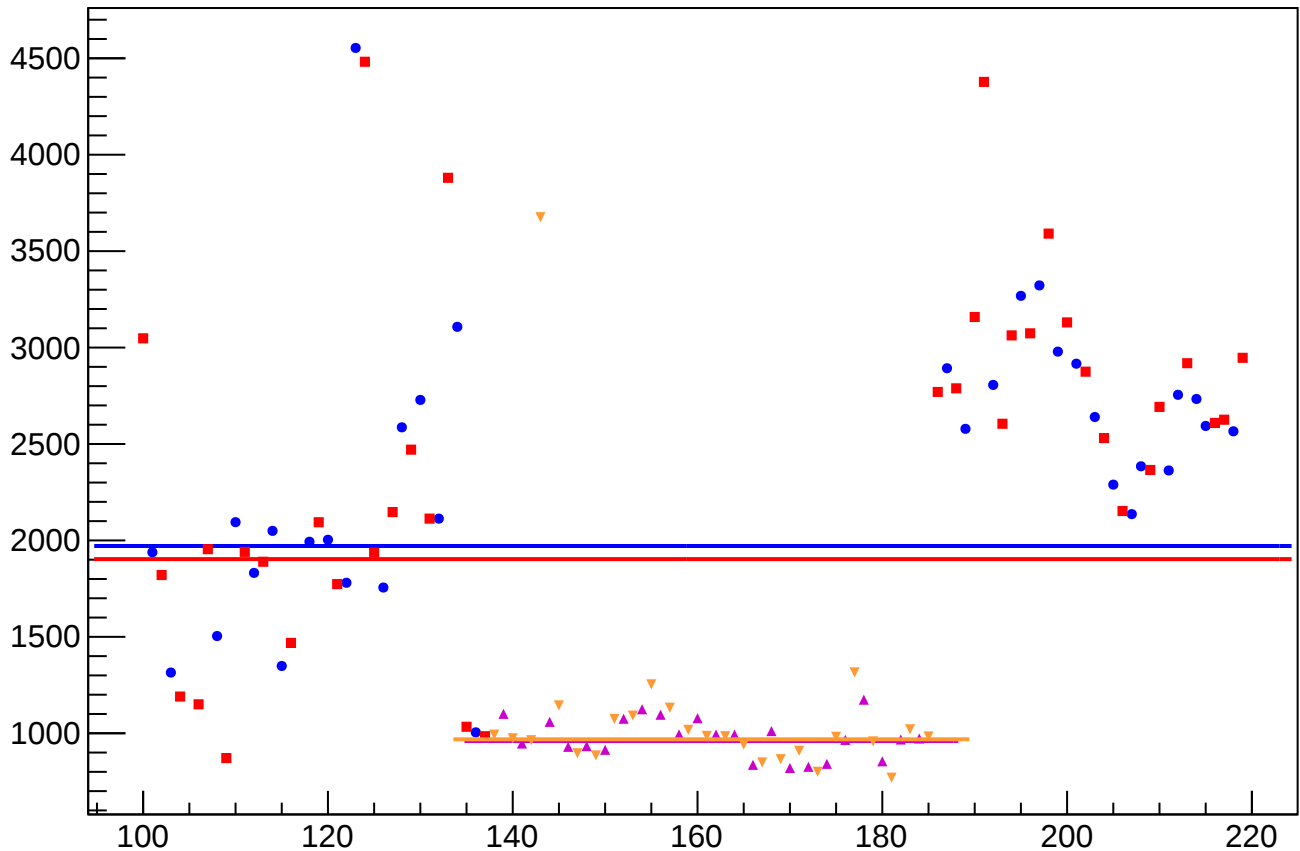
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 990.137 $\pm$ 208.650 χ^2 /NDF: 101.1/57

All: 740.360 $\pm$ 147.219 χ^2 /NDF: 161.9/117

- sign 492.731 $\pm$ 207.751 χ^2 /NDF: 57.9/59

asym_at2_dd_correction_rms vs Slug



Right In: 1971.120+/-0.347 χ^2/NDF : 3945686.1/32

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

Right Out: 1903.057+/-0.334 χ^2/NDF : 5796831.4/36

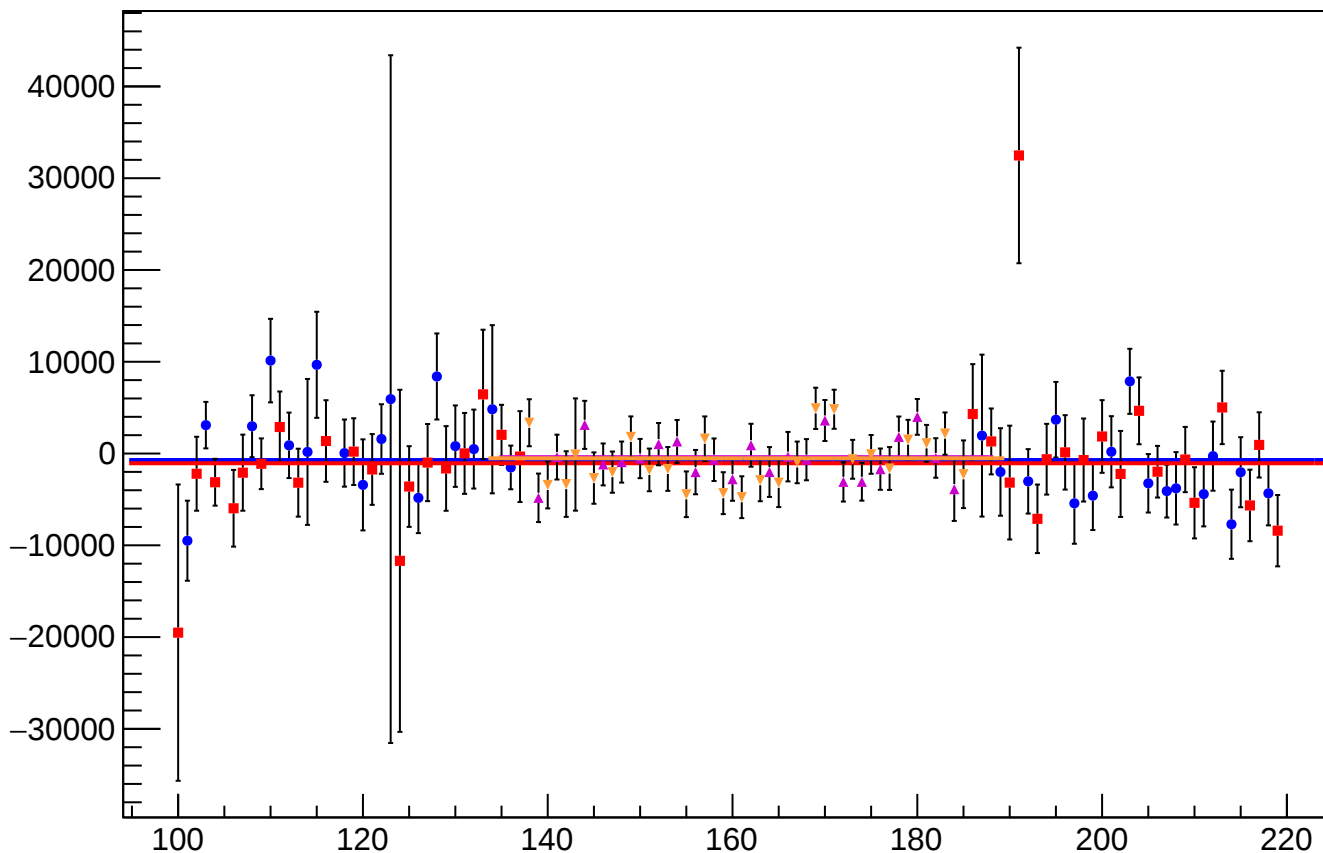
Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

+ sign 1149.499+/-0.148 χ^2/NDF : 12163278.4/57

All: 1146.110+/-0.104 χ^2/NDF : 24777811.7/100

- sign 1142.749+/-0.147 χ^2/NDF : 12613482.2/59

asym_at2_dd_mean vs Slug



Right In: -707.991 ± 676.819 χ^2/NDF : 41.2/32

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -1059.604 ± 661.247 χ^2/NDF : 32.5/36

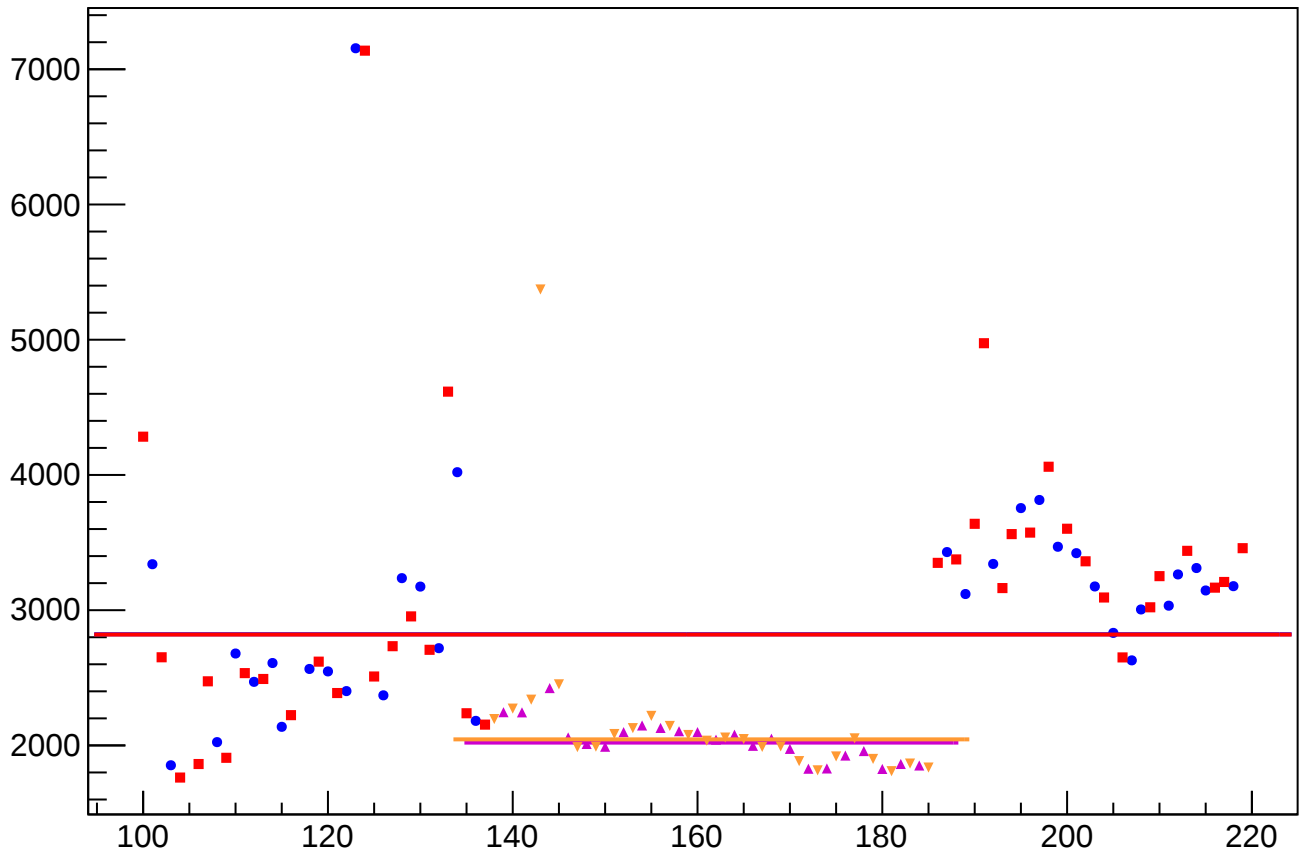
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -581.656 ± 392.337 χ^2/NDF : 75.3/57

All: -605.433 ± 276.988 χ^2/NDF : 130.3/117

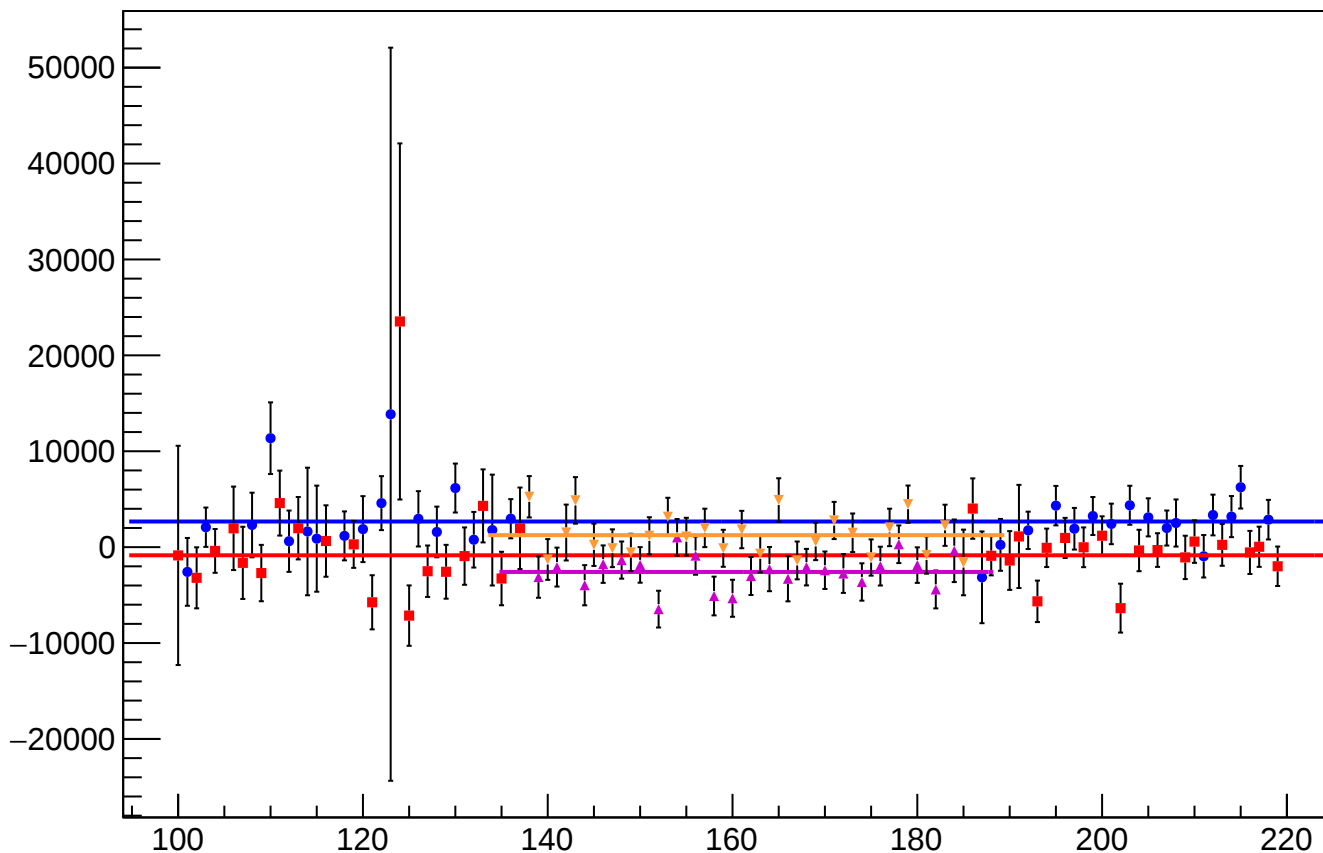
- sign -629.062 ± 391.107 χ^2/NDF : 55.0/59

asym_at2_dd_rms vs Slug



Right In: 2821.880+/-0.479	χ^2/NDF : 1297023.3/32	+ sign 2305.868+/-0.277	χ^2/NDF : 3836599.5/57
Left Out: 2044.722+/-0.340	χ^2/NDF : 788703.5/24	All: 2303.092+/-0.196	χ^2/NDF : 7830306.6/11
Right Out: 2819.832+/-0.468	χ^2/NDF : 1921312.8/36	- sign 2300.333+/-0.277	χ^2/NDF : 3993507.4/59
Left In: 2020.802+/-0.343	χ^2/NDF : 173502.0/22		

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2673.753 $\pm$ 437.934 χ^2 /NDF: 21.4/32

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -849.302 $\pm$ 429.103 χ^2 /NDF: 33.2/36

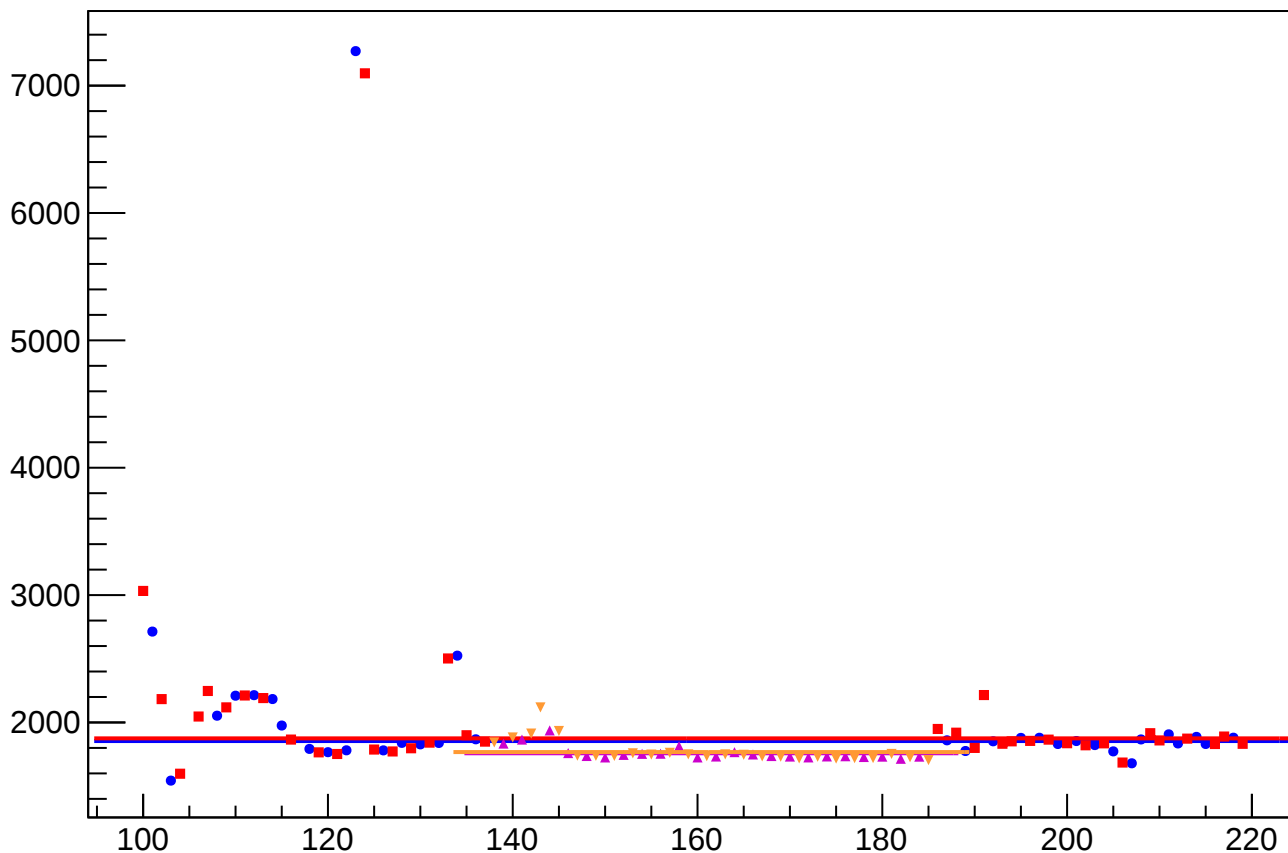
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1919.266 $\pm$ 300.265 χ^2 /NDF: 50.0/57

All: 95.470 $\pm$ 212.474 χ^2 /NDF: 183.0/117

- sign -1733.629 $\pm$ 300.701 χ^2 /NDF: 59.1/59

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.086 $\pm$ 0.310 χ^2 /NDF: 319985.6/32

Left Out: 1767.517 $\pm$ 0.292 χ^2 /NDF: 77674.7/24

Right Out: 1875.087 $\pm$ 0.303 χ^2 /NDF: 411623.9/36

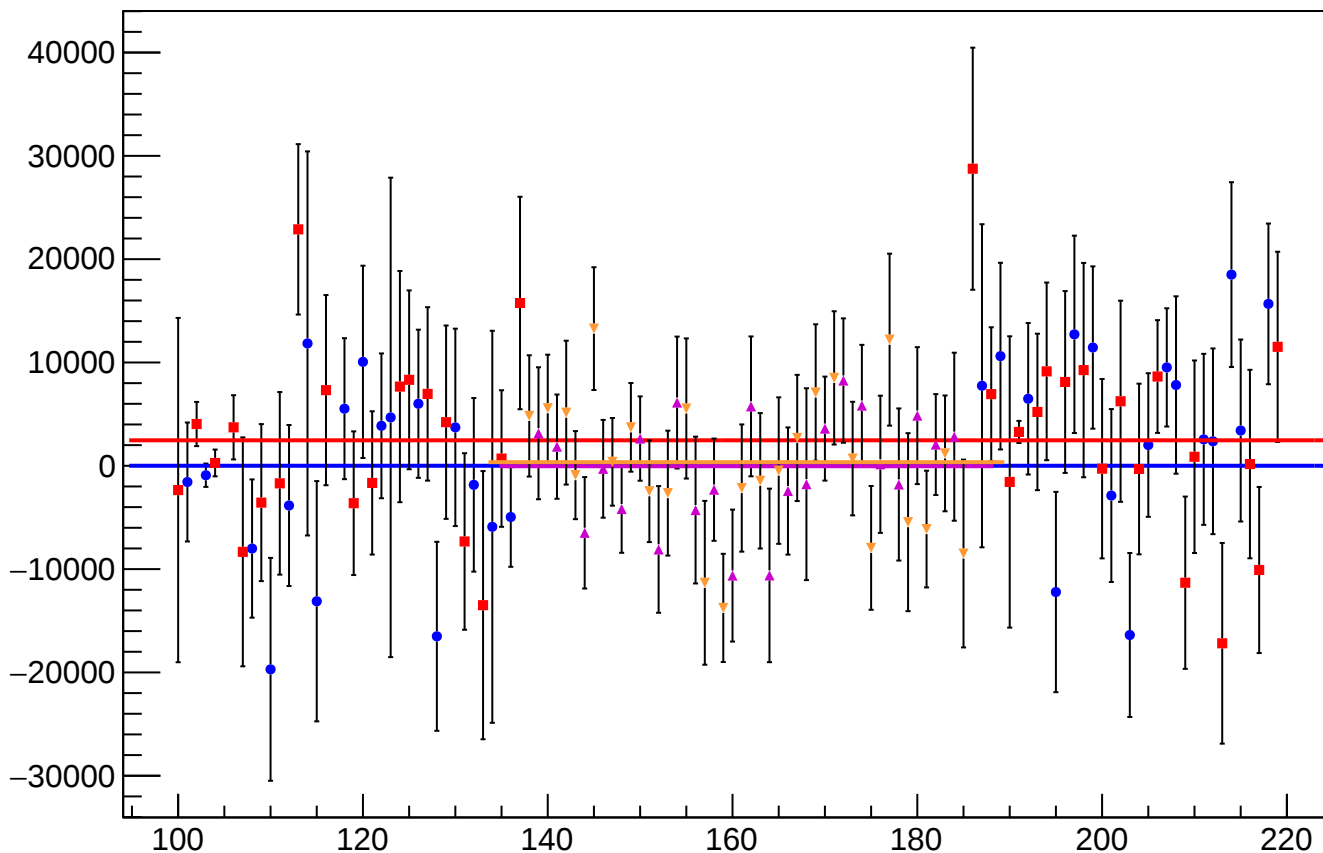
Left In: 1758.076 $\pm$ 0.298 χ^2 /NDF: 29806.0/22

+ sign 1808.213 $\pm$ 0.212 χ^2 /NDF: 439072.7/57

All: 1811.886 $\pm$ 0.150 χ^2 /NDF: 956828.2/117

- sign 1815.568 $\pm$ 0.213 χ^2 /NDF: 517156.2/59

asym_atl1r2_avg_correction_mean vs Slug



Right In: 4.046 ± 888.484 χ^2/NDF : 39.5/32

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2467.393 ± 668.539 χ^2/NDF : 38.2/36

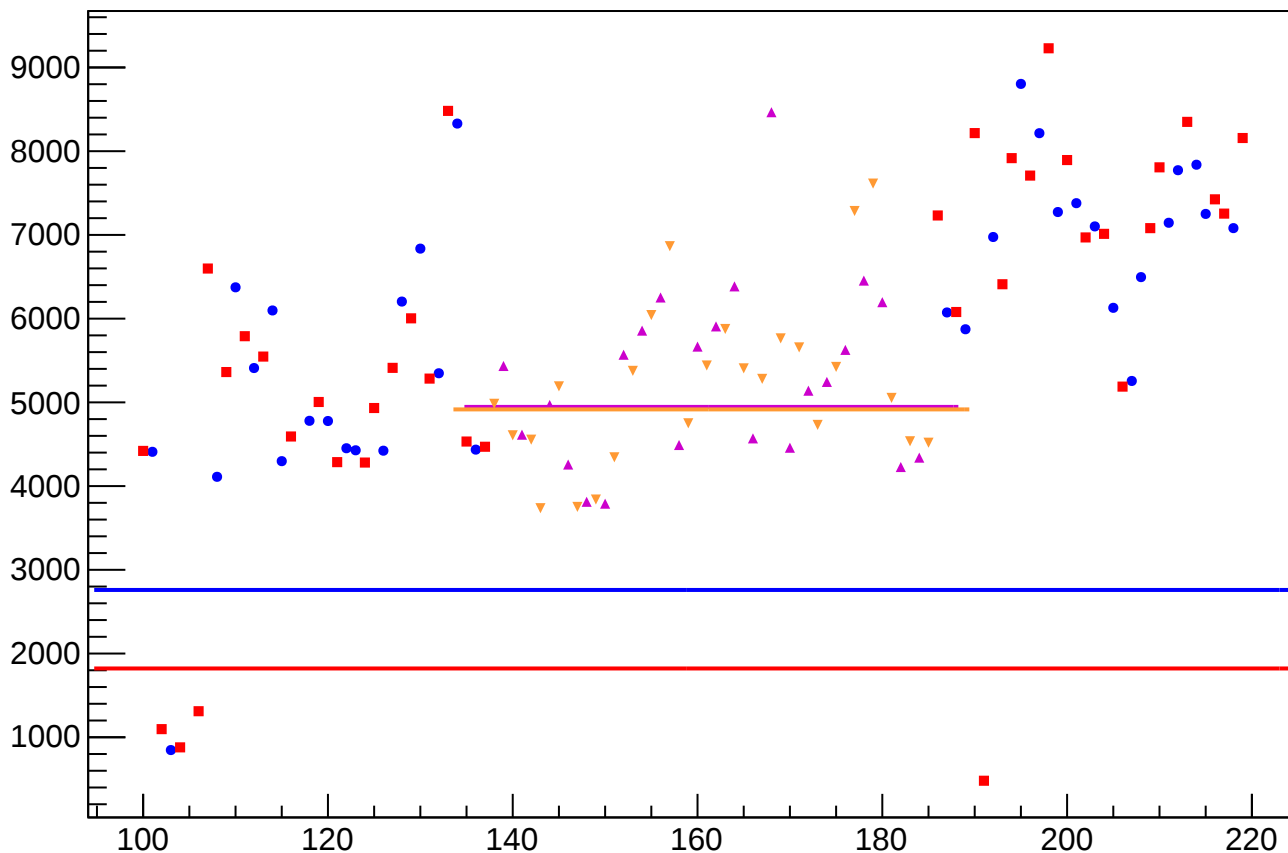
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign 131.021 ± 707.597 χ^2/NDF : 67.4/57

All: 1169.477 ± 450.812 χ^2/NDF : 128.6/117

- sign 1878.967 ± 584.878 χ^2/NDF : 57.6/59

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2759.428 $\pm$ 0.628 χ^2 /NDF: 16779310.0/32

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1821.629 $\pm$ 0.473 χ^2 /NDF: 23034105.3/36

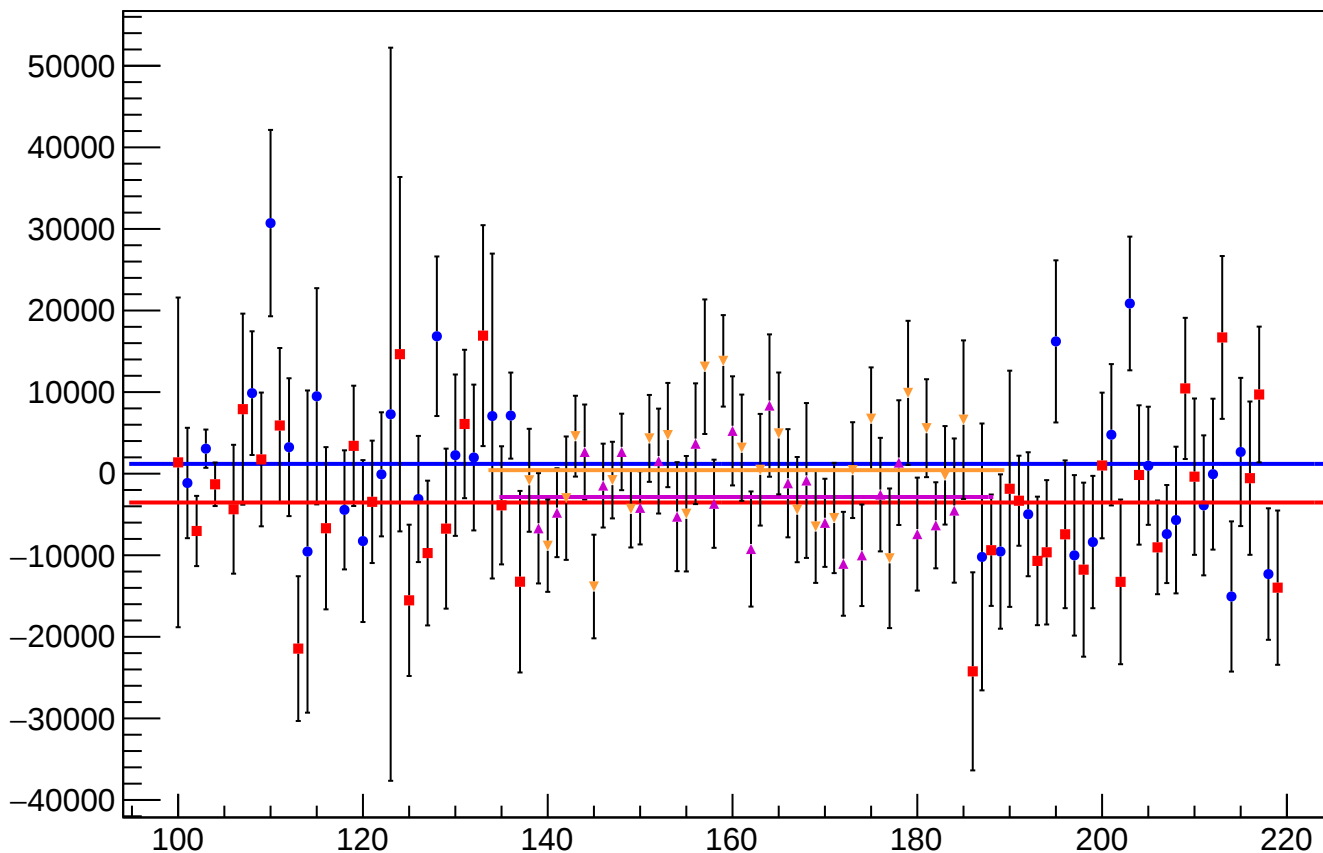
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3548.105 $\pm$ 0.500 χ^2 /NDF: 22274693.7/57

All: 2957.876 $\pm$ 0.319 χ^2 /NDF: 59086774.2/100

- sign 2554.622 $\pm$ 0.414 χ^2 /NDF: 34469802.8/59

asym_atl1r2_avg_mean vs Slug



Right In: 1199.896+/-1284.668 χ^2/NDF : 37.6/32

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -3534.352+/-1249.957 χ^2/NDF : 34.7/36

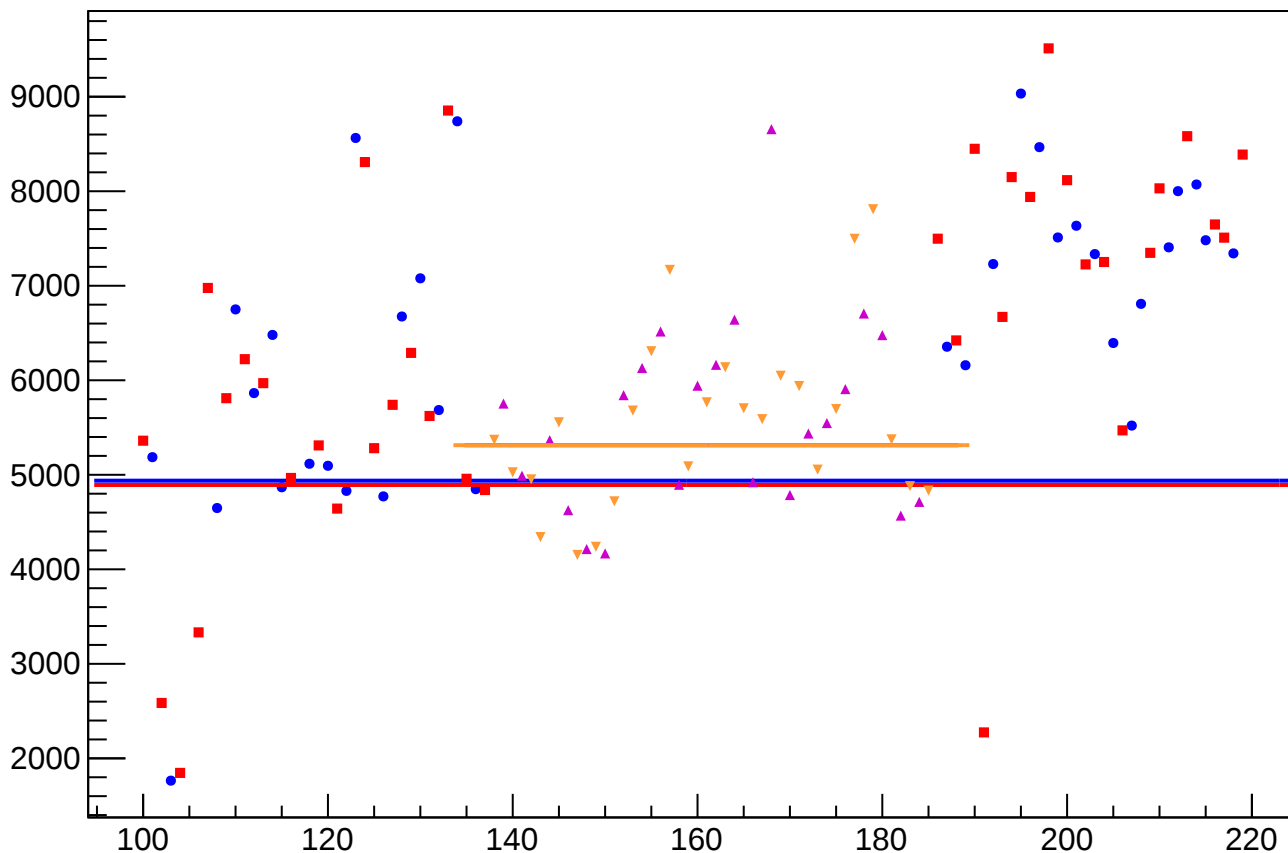
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 807.396+/-898.920 χ^2/NDF : 64.9/57

All: -1201.599+/-635.469 χ^2/NDF : 122.5/117

- sign -3208.534+/-898.459 χ^2/NDF : 47.7/59

asym_atl1r2_avg_rms vs Slug



Right In: 4937.797 $\pm$ 0.908 χ^2 /NDF: 6547214.8/32

Left Out: 5313.008 $\pm$ 0.890 χ^2 /NDF: 894369.8/24

Right Out: 4892.305 $\pm$ 0.880 χ^2 /NDF: 7318674.4/36

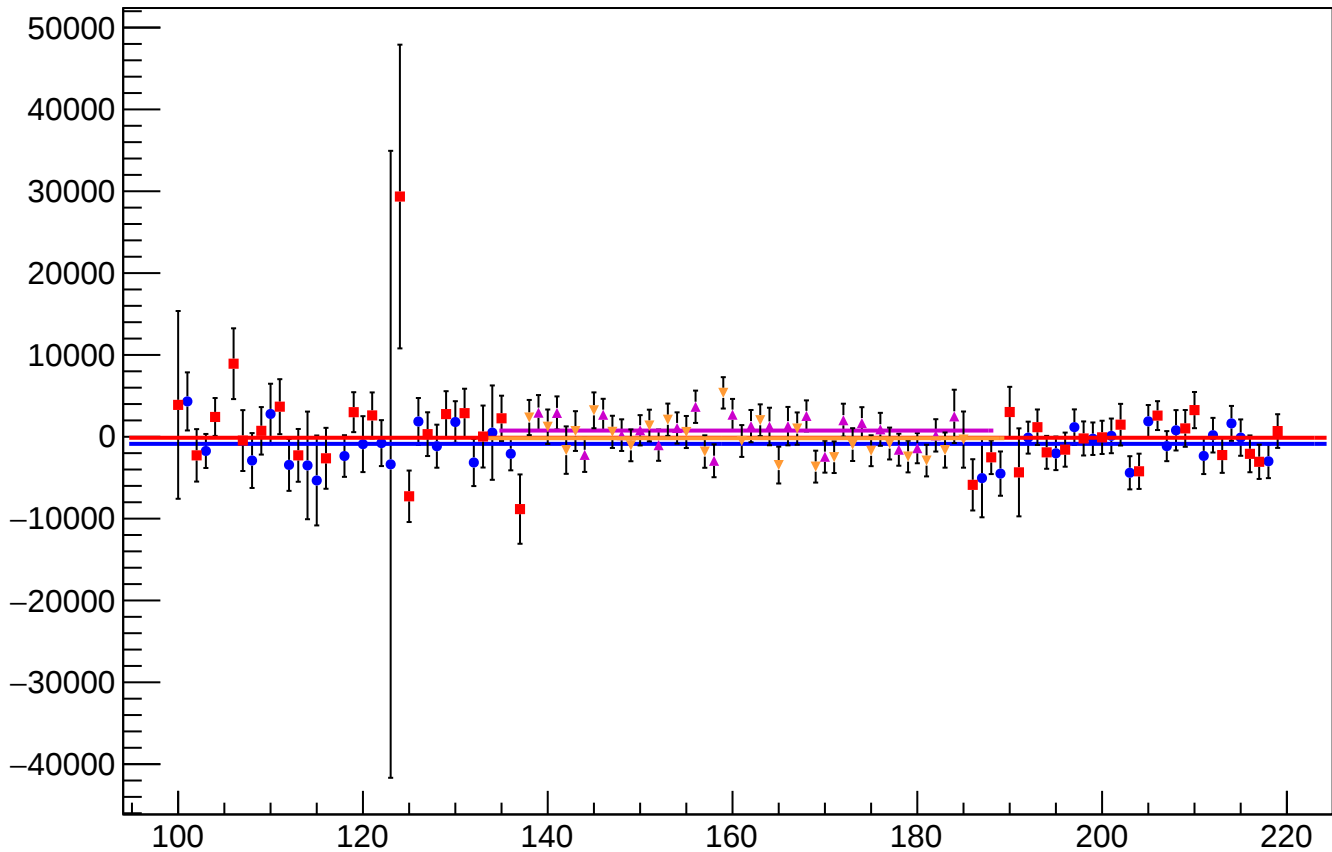
Left In: 5312.861 $\pm$ 0.914 χ^2 /NDF: 957400.7/22

+ sign 5129.297 $\pm$ 0.636 χ^2 /NDF: 7528659.2/57

All: 5111.966 $\pm$ 0.449 χ^2 /NDF: 15916075.8/100

- sign 5094.726 $\pm$ 0.634 χ^2 /NDF: 8385933.7/59

reg_asym_atl1r2_dd_mean vs Slug



Right In: -864.973 ± 437.590 χ^2/NDF : 21.5/32

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -118.746 ± 428.741 χ^2/NDF : 46.6/36

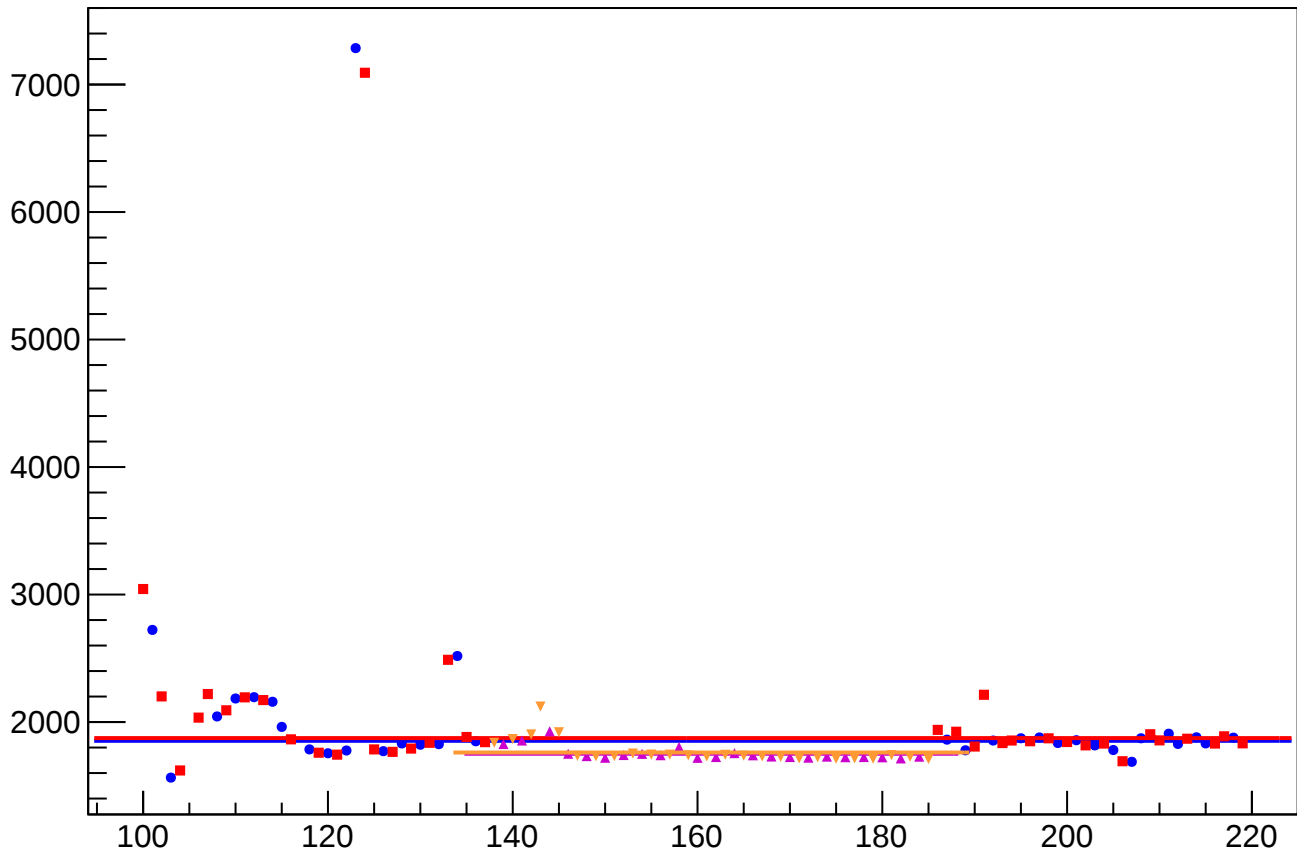
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -500.915 ± 299.571 χ^2/NDF : 52.0/57

All: -86.217 ± 211.978 χ^2/NDF : 124.9/117

- sign 329.650 ± 299.993 χ^2/NDF : 69.0/59

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1852.994+/-0.309 χ^2/NDF : 307378.6/32

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1874.059+/-0.303 χ^2/NDF : 396562.2/36

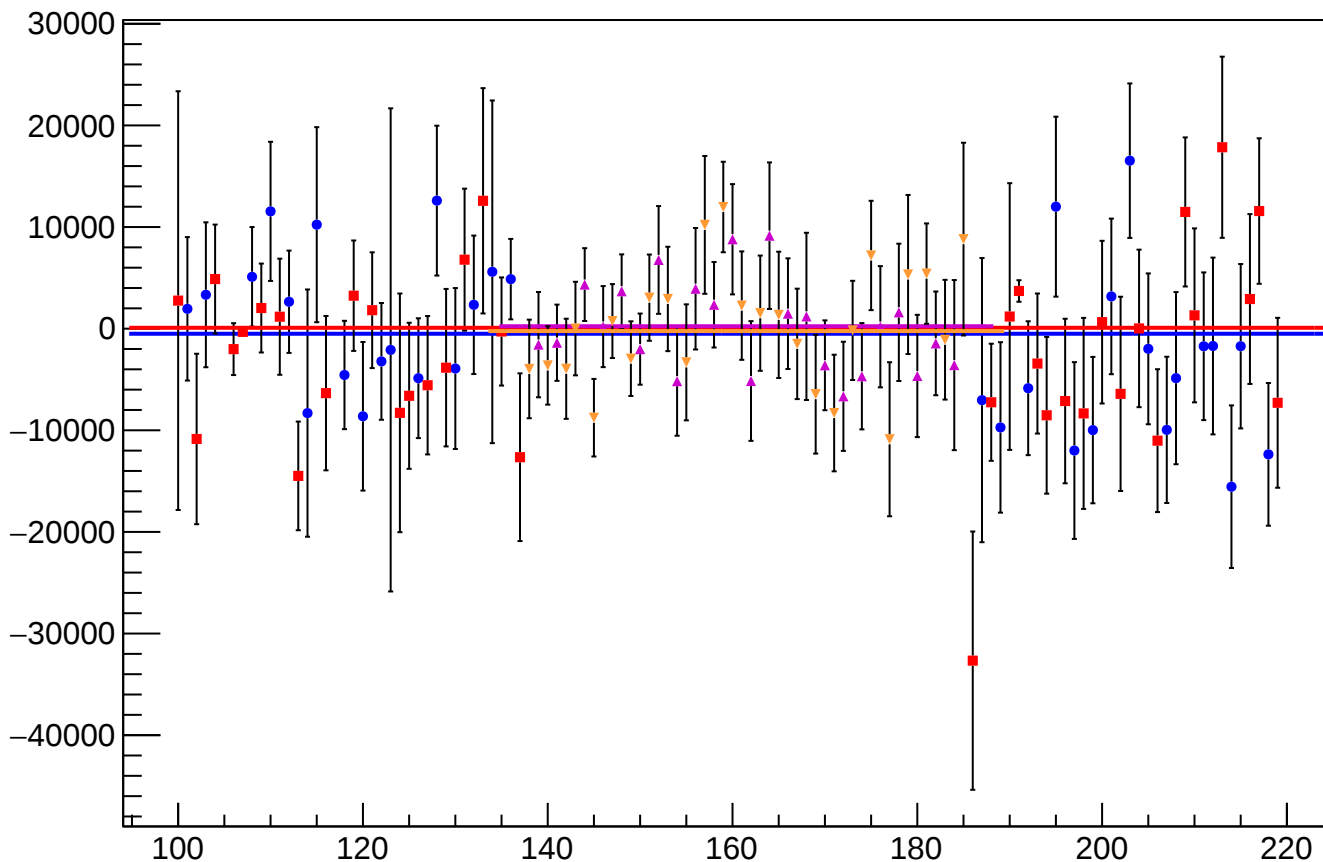
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1804.163+/-0.212 χ^2/NDF : 431719.7/57

All: 1807.824+/-0.150 χ^2/NDF : 941032.6/117

- sign 1811.494+/-0.212 χ^2/NDF : 508714.6/59

asym_atl1r2_dd_correction_mean vs Slug



Right In: -499.892 ± 1235.935 χ^2/NDF : 36.3/32

Left Out: -235.806 ± 1005.144 χ^2/NDF : 28.9/24

Right Out: 87.452 ± 407.907 χ^2/NDF : 55.5/36

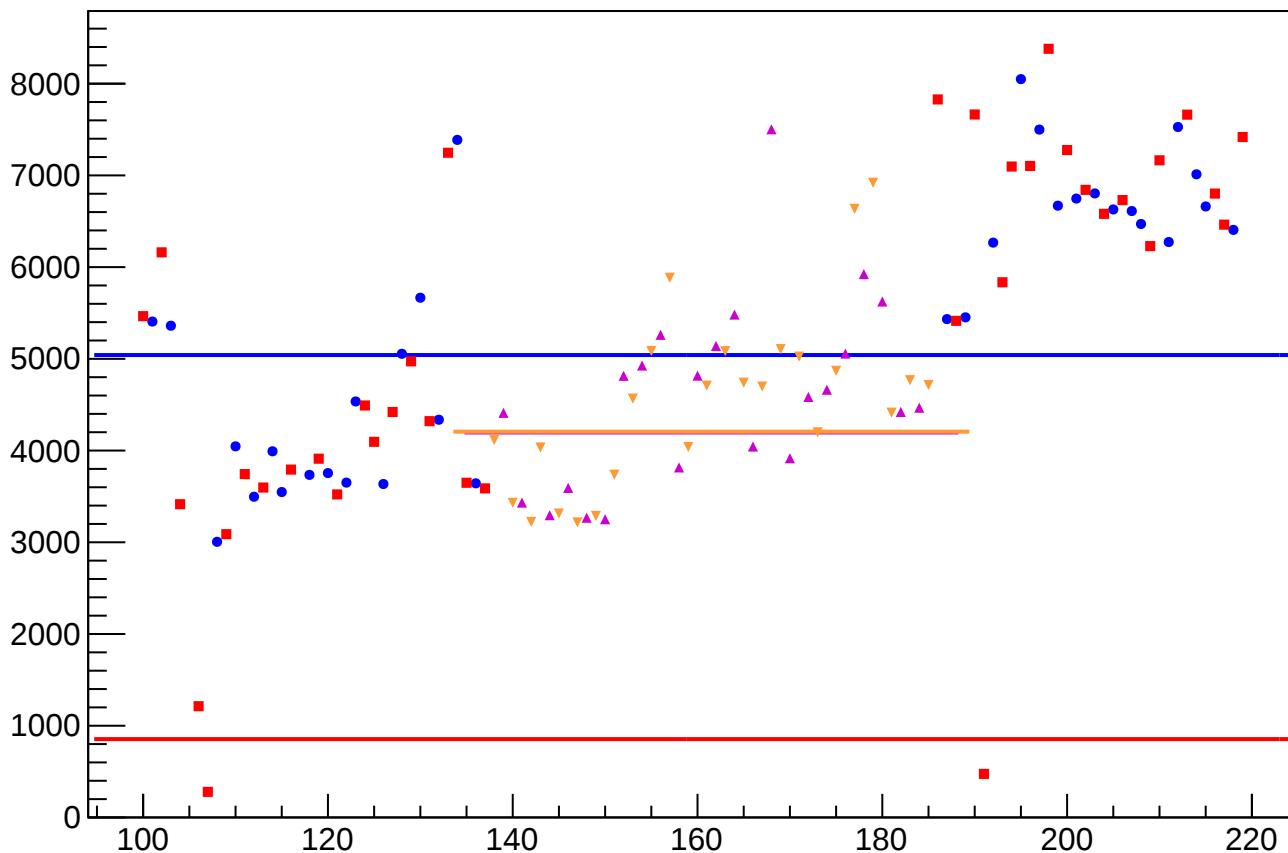
Left In: 239.224 ± 1028.883 χ^2/NDF : 15.3/22

+ sign -340.938 ± 779.814 χ^2/NDF : 65.2/57

All: 22.202 ± 341.014 χ^2/NDF : 136.3/117

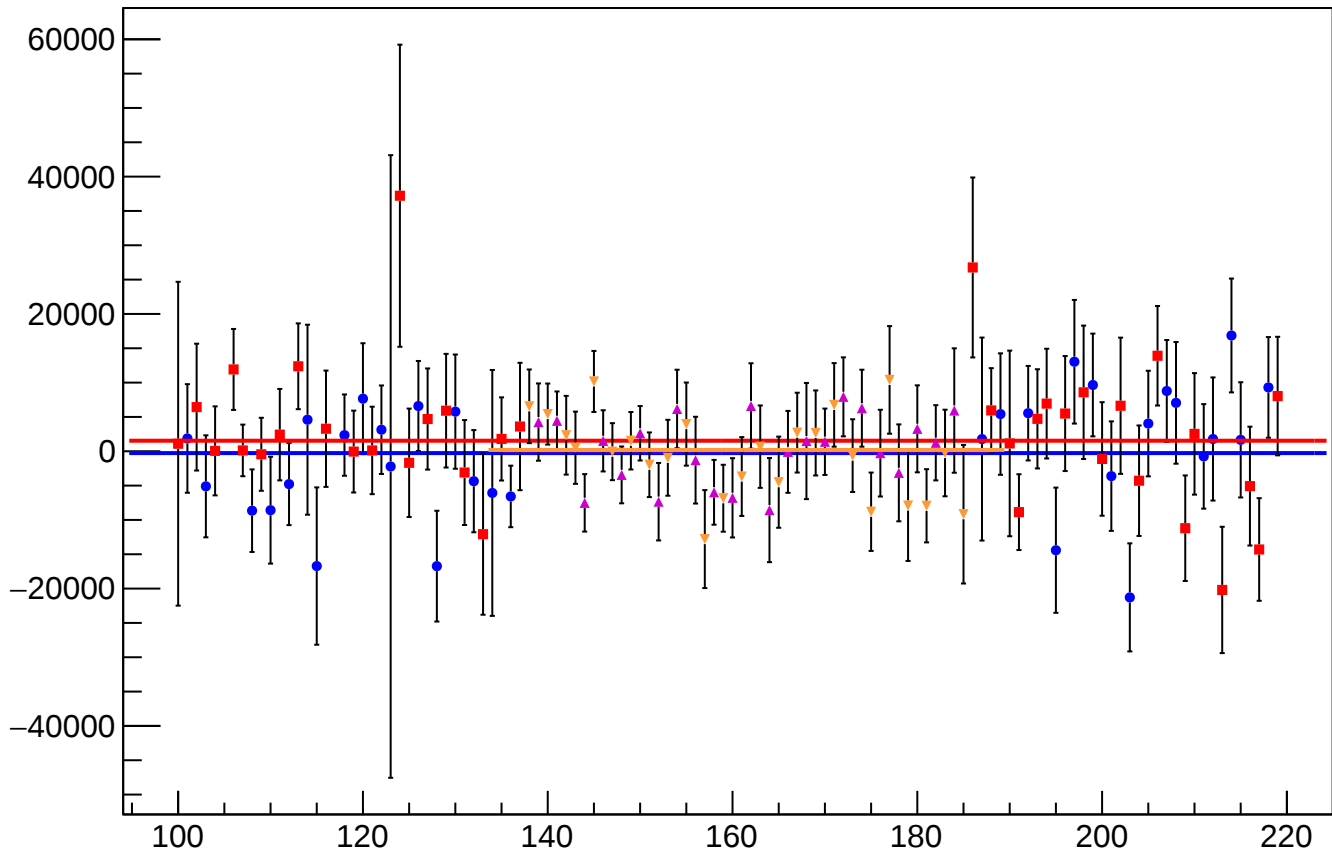
- sign 108.067 ± 379.194 χ^2/NDF : 70.8/59

asym_atl1r2_dd_correction_rms vs Slug



Right In: 5041.481 ± 0.874	$\chi^2/\text{NDF}: 2902759.2/32$	+ sign 4538.649 ± 0.551	$\chi^2/\text{NDF}: 4895022.8/57$
Left Out: 4206.076 ± 0.711	$\chi^2/\text{NDF}: 1442269.3/24$	All: 1926.173 ± 0.241	$\chi^2/\text{NDF}: 82027886.2/1$
Right Out: 854.396 ± 0.288	$\chi^2/\text{NDF}: 29662867.7/36$	- sign 1308.452 ± 0.268	$\chi^2/\text{NDF}: 49378602.6/59$
Left In: 4197.267 ± 0.728	$\chi^2/\text{NDF}: 1471012.9/22$		

asym_atl1r2_dd_mean vs Slug



Right In: -266.028 ± 1349.597 χ^2/NDF : 39.3/32

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 1536.192 ± 1215.174 χ^2/NDF : 38.9/36

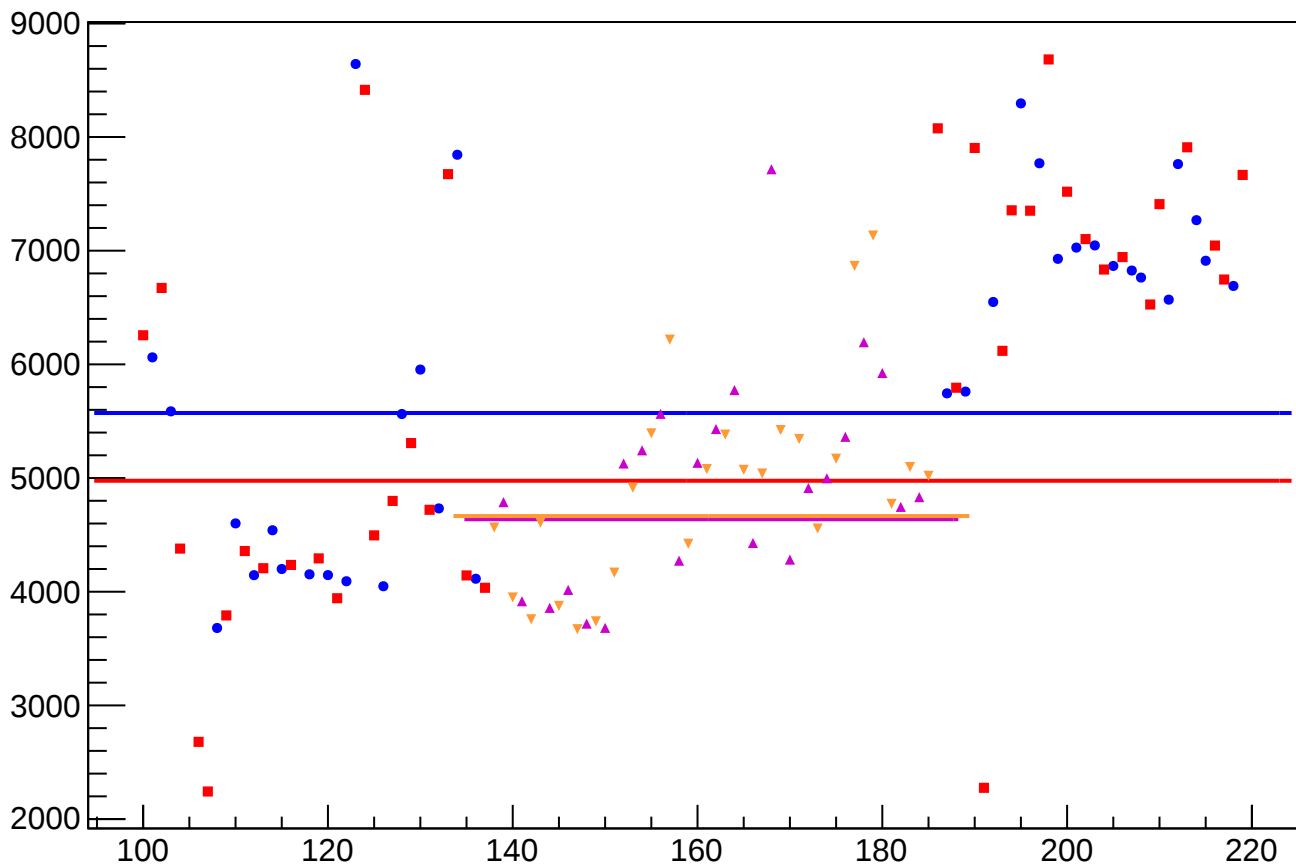
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign 6.448 ± 855.836 χ^2/NDF : 64.4/57

All: 409.347 ± 594.848 χ^2/NDF : 123.0/117

- sign 785.890 ± 827.370 χ^2/NDF : 58.2/59

asym_atl1r2_dd_rms vs Slug



Right In: 5572.158 $\pm$ 0.954 χ^2 /NDF: 2089831.7/32

Left Out: 4665.620 $\pm$ 0.783 χ^2 /NDF: 1017235.0/24

Right Out: 4976.127 $\pm$ 0.856 χ^2 /NDF: 4765989.1/36

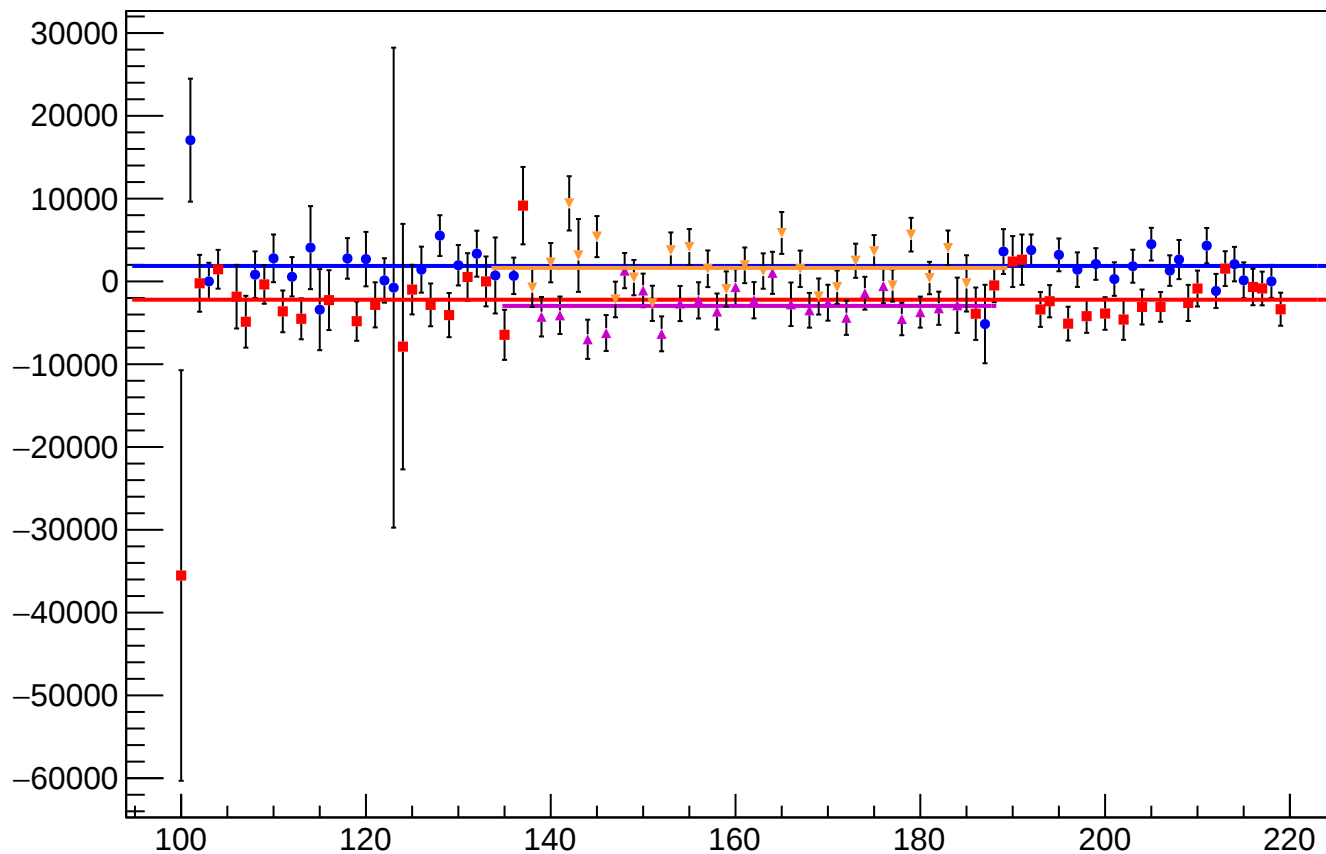
Left In: 4637.777 $\pm$ 0.799 χ^2 /NDF: 1065217.2/22

+ sign 5030.171 $\pm$ 0.605 χ^2 /NDF: 3646573.2/57

All: 4908.542 $\pm$ 0.420 χ^2 /NDF: 9639308.8/11

- sign 4795.273 $\pm$ 0.584 χ^2 /NDF: 5914722.4/59

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1868.814 $\pm$ 424.011 χ^2 /NDF: 22.0/32

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -2208.883 $\pm$ 409.636 χ^2 /NDF: 34.6/36

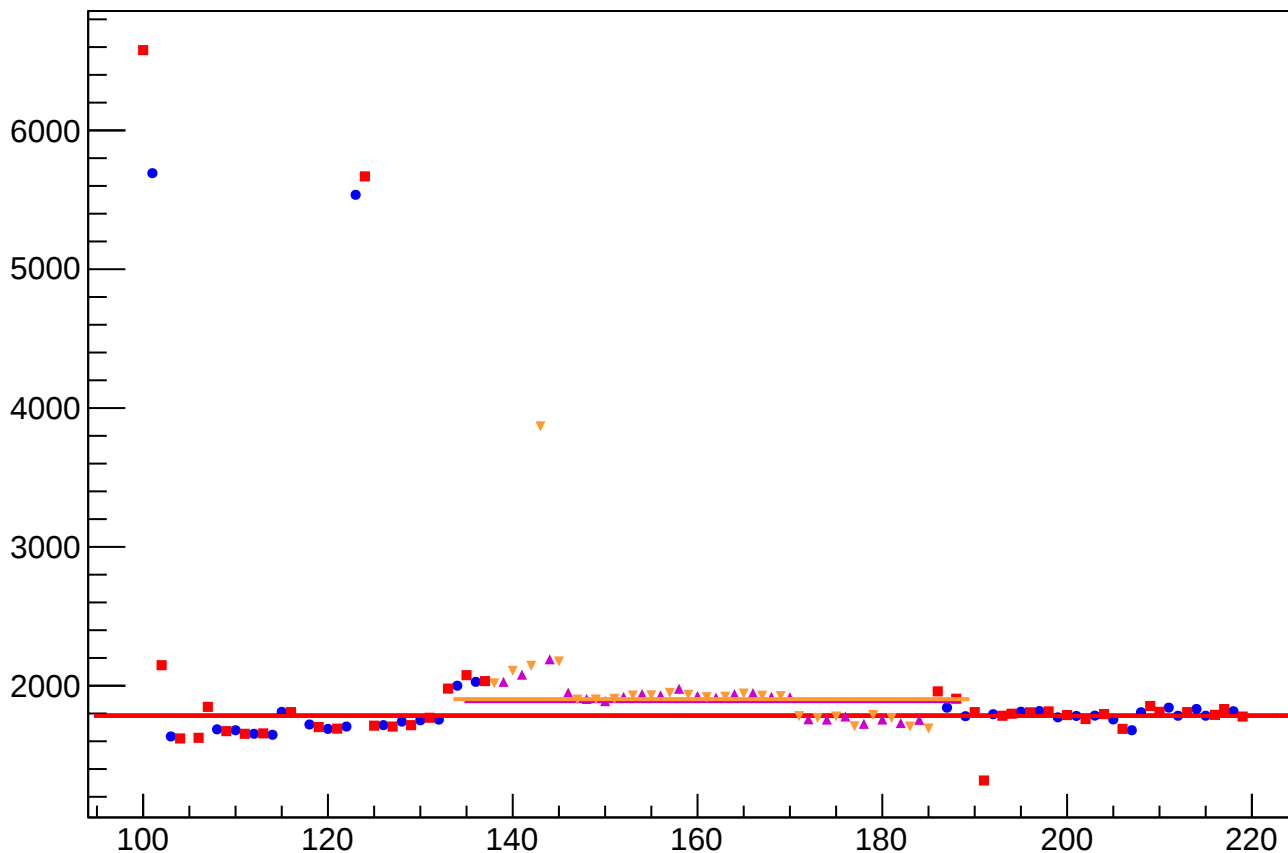
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1755.739 $\pm$ 307.648 χ^2 /NDF: 57.6/57

All: -420.293 $\pm$ 216.253 χ^2 /NDF: 213.0/117

- sign -2545.594 $\pm$ 304.041 χ^2 /NDF: 56.5/59

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1786.671 $\pm$ 0.300 χ^2 /NDF: 656045.9/32

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1782.349 $\pm$ 0.289 χ^2 /NDF: 378336.8/36

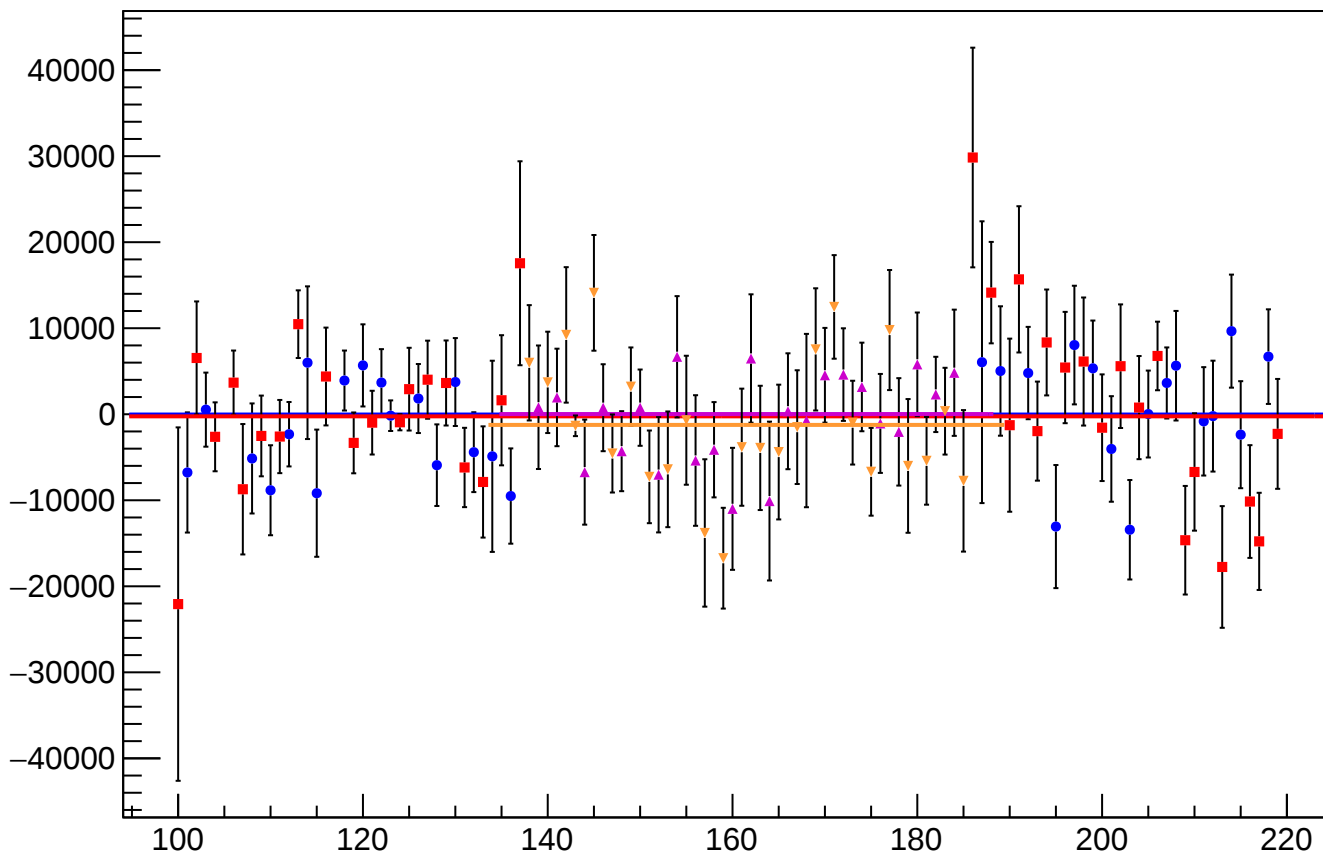
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1842.052 $\pm$ 0.218 χ^2 /NDF: 1269669.9/57

All: 1835.989 $\pm$ 0.153 χ^2 /NDF: 1836894.5/11

- sign 1830.083 $\pm$ 0.215 χ^2 /NDF: 565691.1/59

asym_atr1l2_avg_correction_mean vs Slug



Right In: -33.608 ± 839.830 χ^2/NDF : 35.0/32

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: -244.576 ± 654.148 χ^2/NDF : 65.8/36

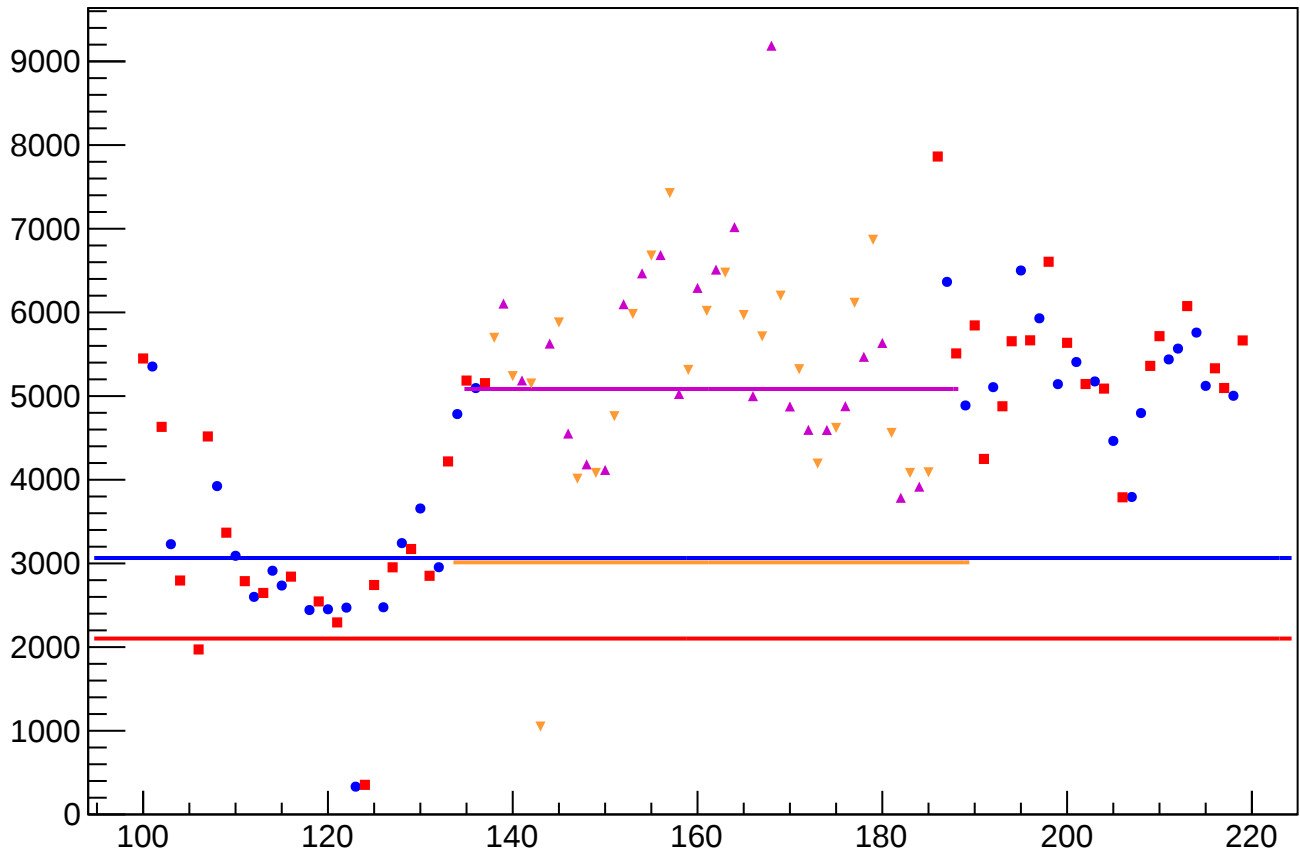
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -618.776 ± 602.620 χ^2/NDF : 69.9/57

All: -394.806 ± 417.482 χ^2/NDF : 149.2/117

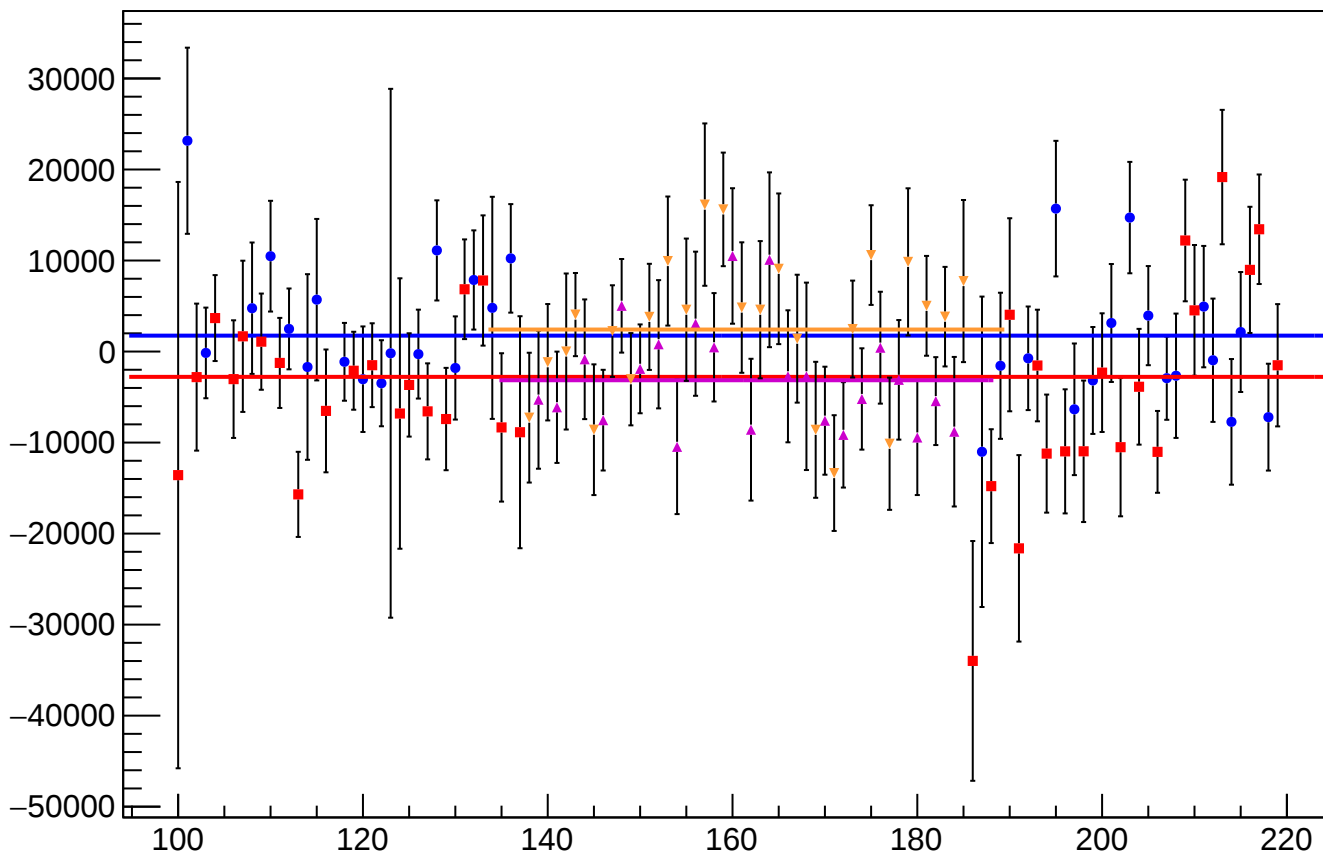
- sign -188.113 ± 578.912 χ^2/NDF : 79.1/59

asym_atr1l2_avg_correction_rms vs Slug



Right In: 3064.844+/-0.594	χ^2/NDF : 9430801.8/32	+ sign 3039.823+/-0.426	χ^2/NDF : 21705214.9/57
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2888.506+/-0.295	χ^2/NDF : 50318393.6/1
Right Out: 2102.282+/-0.463	χ^2/NDF : 18054328.0/36	- sign 2748.861+/-0.409	χ^2/NDF : 28370702.9/59
Left In: 5084.645+/-0.879	χ^2/NDF : 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 1747.587 $\pm$ 1077.687 χ^2 /NDF: 33.4/32

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -2781.594 $\pm$ 1050.069 χ^2 /NDF: 65.1/36

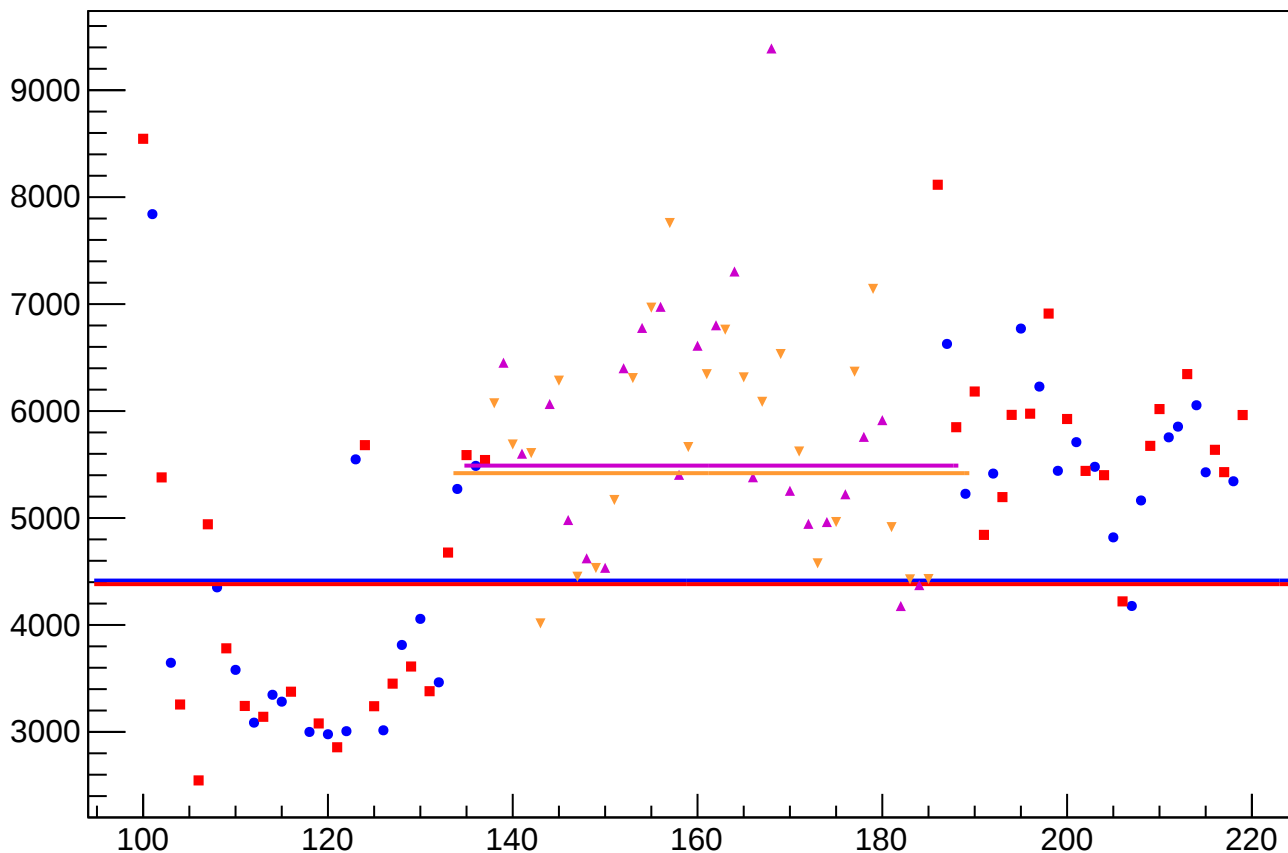
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2023.718 $\pm$ 826.125 χ^2 /NDF: 63.5/57

All: -450.500 $\pm$ 584.082 χ^2 /NDF: 162.0/117

- sign -2923.411 $\pm$ 825.907 χ^2 /NDF: 80.6/59

asym_atr1l2_avg_rms vs Slug



Right In: 4415.022+/-0.762 χ^2/NDF : 2462536.2/32

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 4381.550+/-0.736 χ^2/NDF : 3066813.0/36

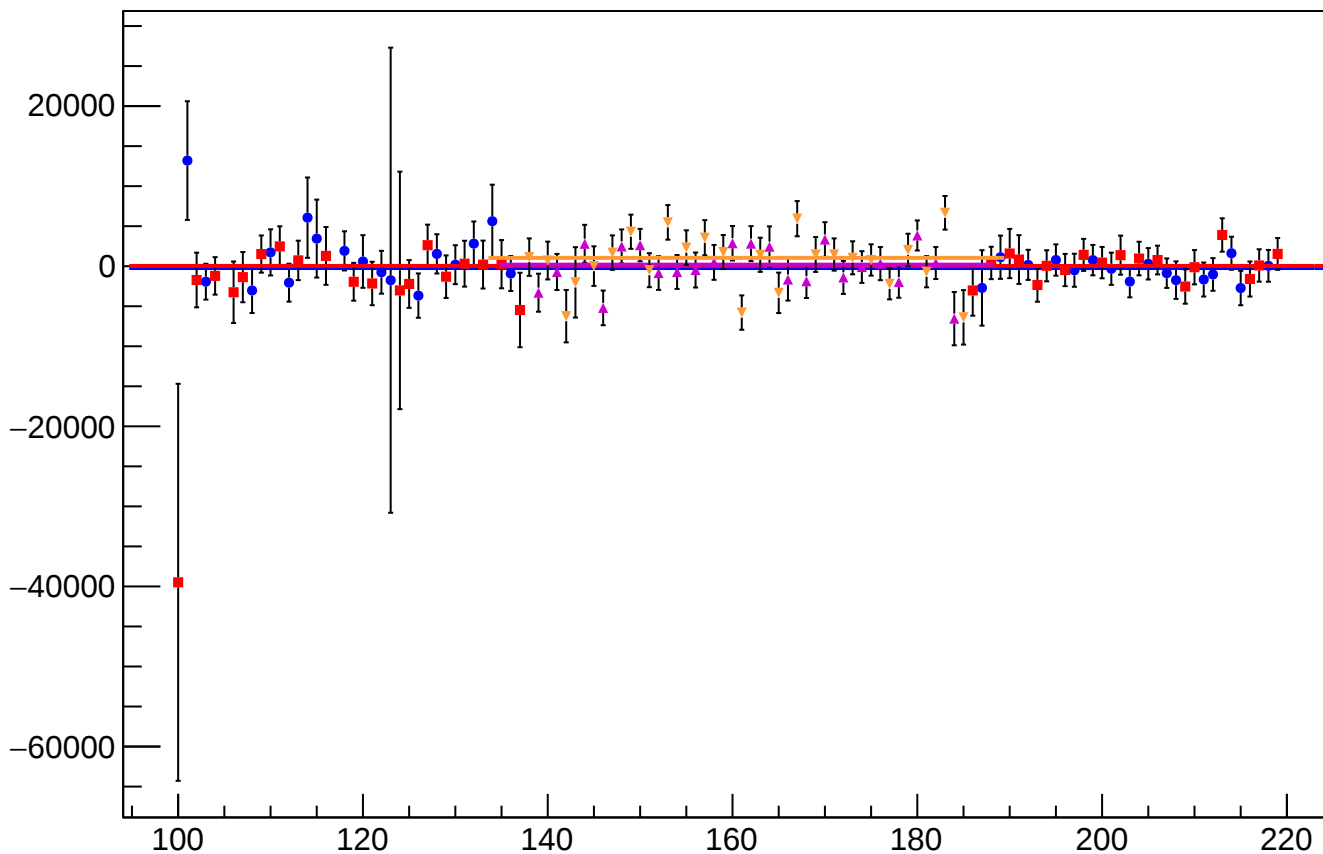
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4829.154+/-0.584 χ^2/NDF : 4288720.4/57

All: 4814.490+/-0.412 χ^2/NDF : 9276169.4/11

- sign 4799.982+/-0.581 χ^2/NDF : 4986195.4/59

reg_asym_atr1l2_dd_mean vs Slug



Right In: -226.146 ± 421.714 χ^2/NDF : 19.2/32

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: 35.406 ± 407.411 χ^2/NDF : 20.1/36

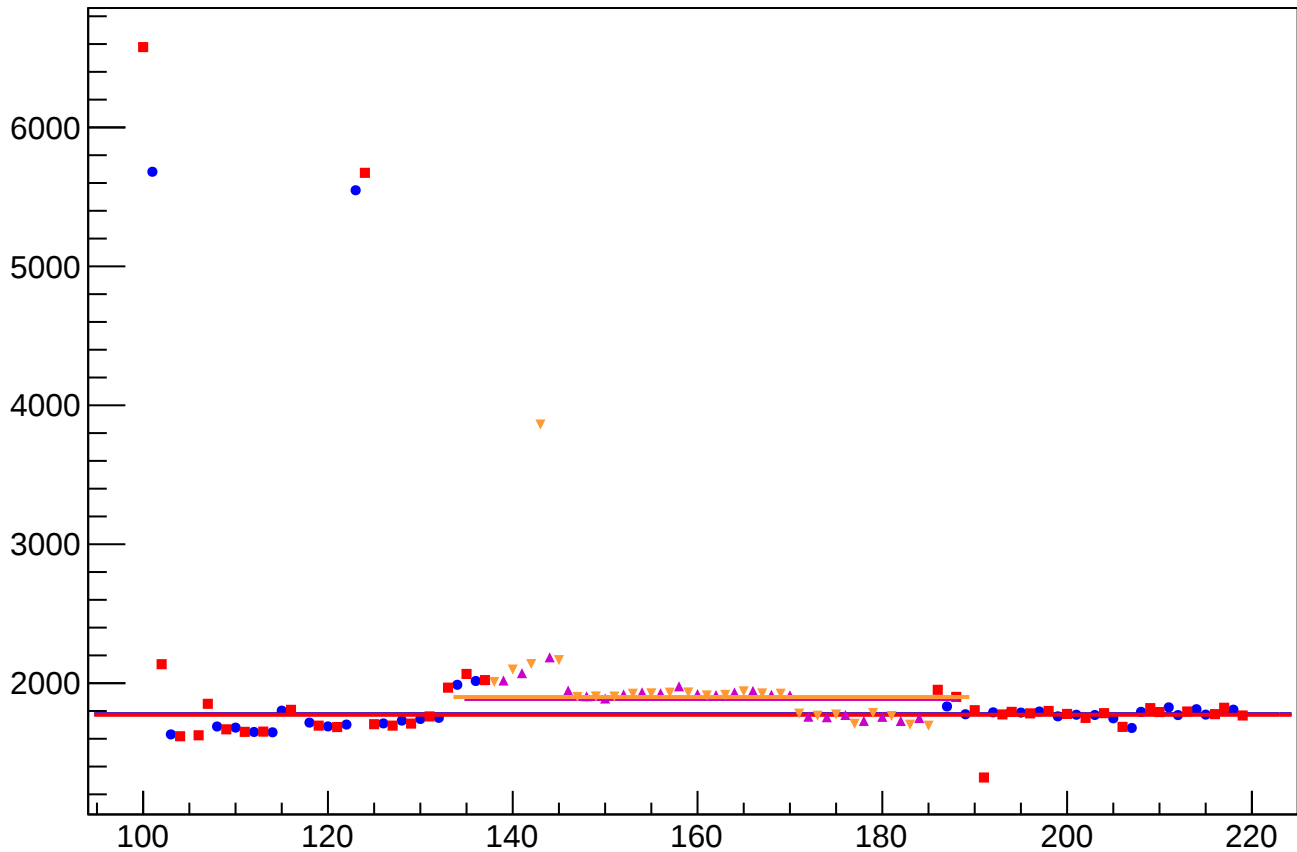
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 371.761 ± 306.504 χ^2/NDF : 72.0/57

All: 237.025 ± 215.459 χ^2/NDF : 122.6/117

- sign 105.405 ± 302.939 χ^2/NDF : 50.1/59

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1777.130 $\pm$ 0.298 χ^2 /NDF: 652376.6/32

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1772.915 $\pm$ 0.287 χ^2 /NDF: 372879.1/36

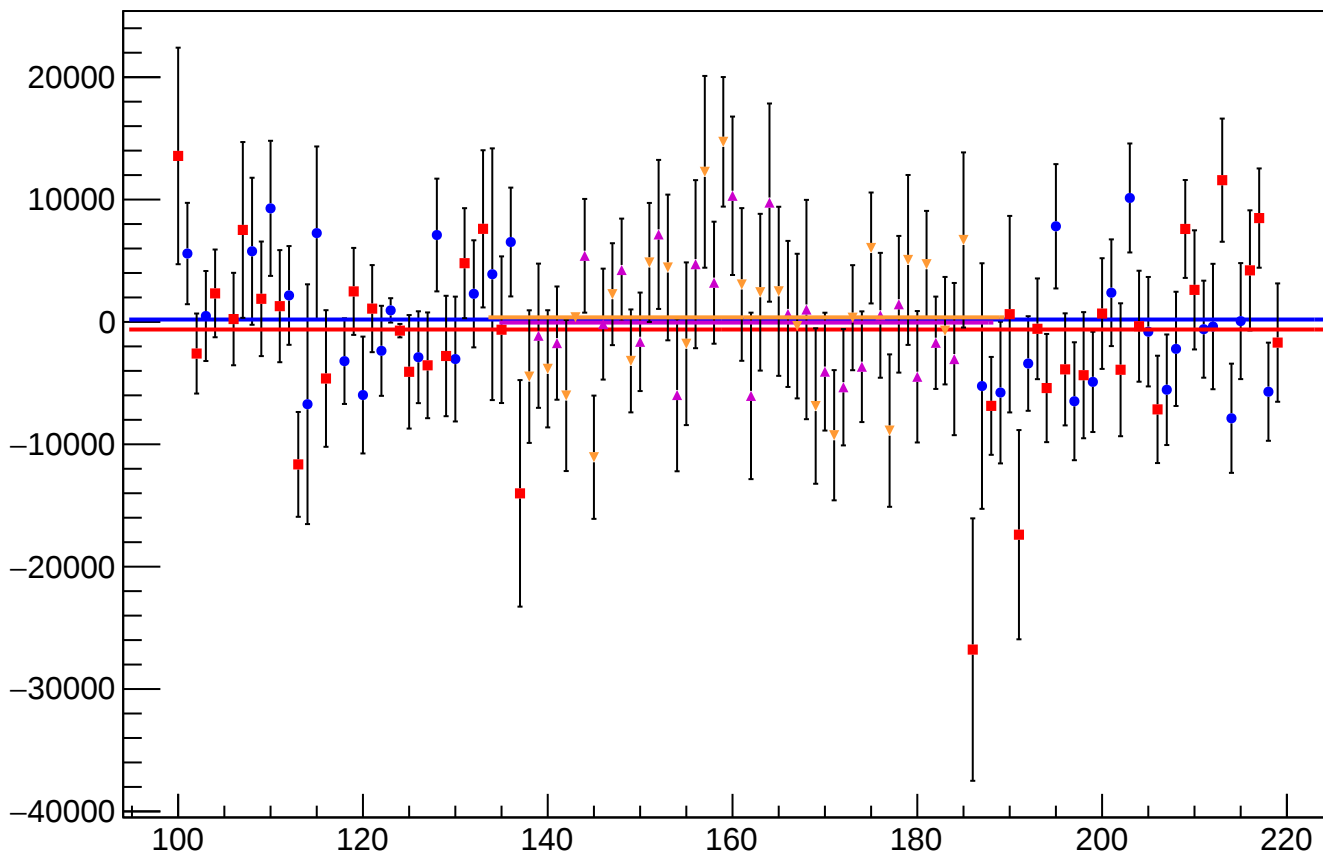
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1835.234 $\pm$ 0.217 χ^2 /NDF: 1270747.6/57

All: 1829.294 $\pm$ 0.152 χ^2 /NDF: 1838136.9/11

- sign 1823.507 $\pm$ 0.214 χ^2 /NDF: 565906.4/59

asym_atr1l2_dd_correction_mean vs Slug



Right In: 196.859 $\pm$ 630.349 χ^2 /NDF: 37.0/32

Left Out: 373.277 $\pm$ 382.071 χ^2 /NDF:30.8/24

Right Out: -619.462 $\pm$ 448.880 χ^2 /NDF: 53.7/36

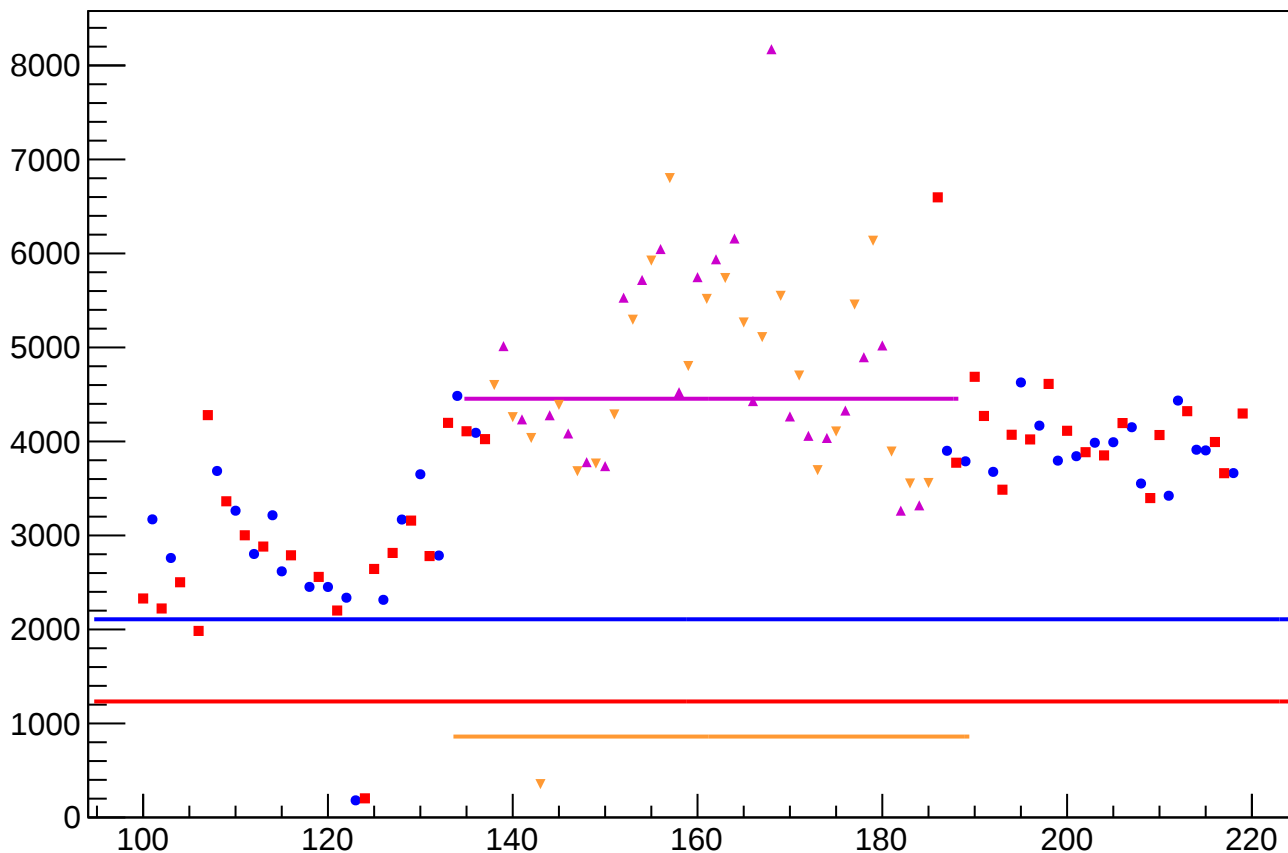
Left In: -53.099 $\pm$ 1089.888 χ^2 /NDF:14.5/22

+ sign 325.877 $\pm$ 326.737 χ^2 /NDF: 67.8/57

All: -4.387 $\pm$ 256.732 χ^2 /NDF: 139.0/117

- sign -537.324 $\pm$ 415.056 χ^2 /NDF: 68.5/59

asym_atr1l2_dd_correction_rms vs Slug



Right In: 2108.212 $\pm$ 0.446 χ^2 /NDF: 13824339.3/32

Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24

Right Out: 1233.984 $\pm$ 0.317 χ^2 /NDF: 23610248.0/36

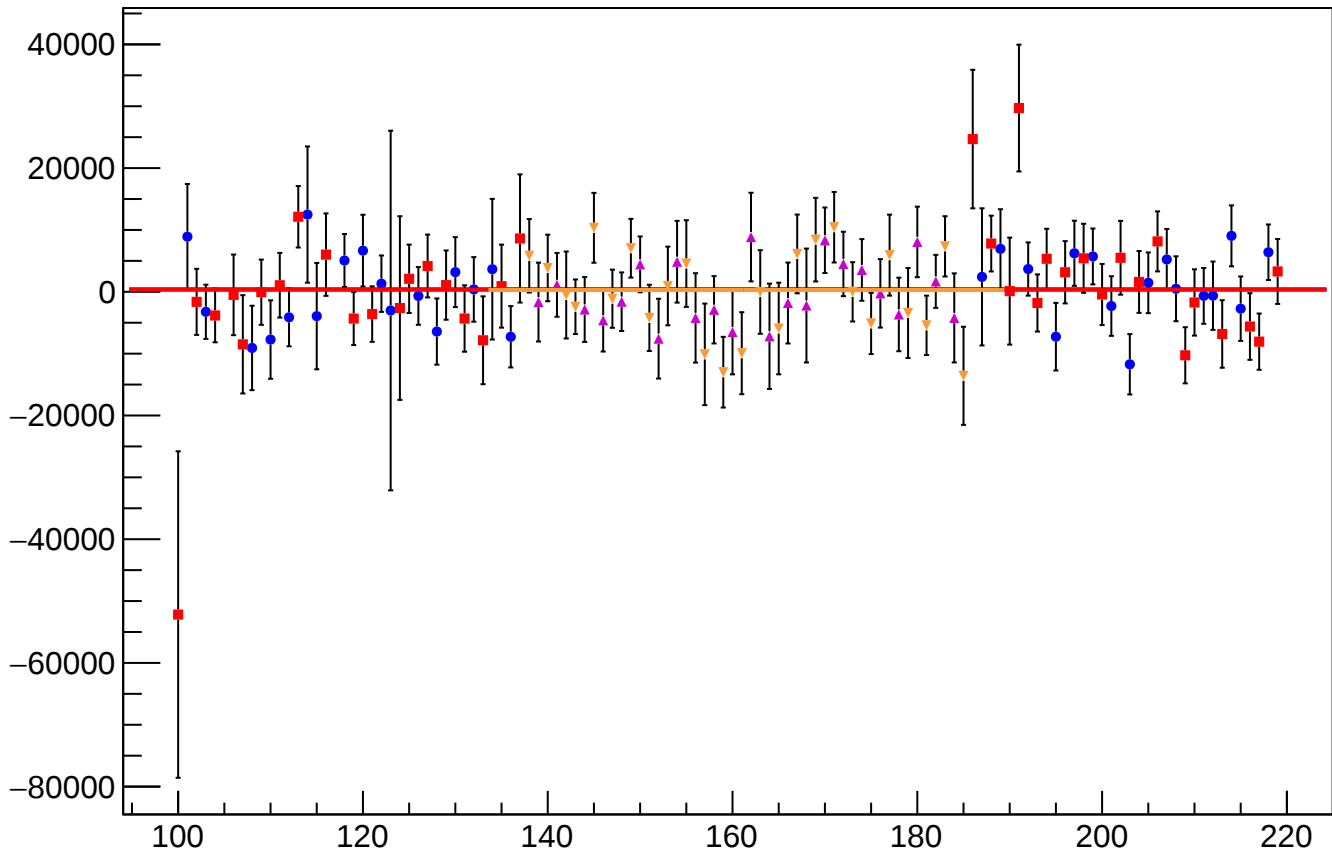
Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 1195.768 $\pm$ 0.231 χ^2 /NDF: 45894685.5/57

All: 1389.083 $\pm$ 0.182 χ^2 /NDF: 87613987.8/100

- sign 1701.031 $\pm$ 0.293 χ^2 /NDF: 39889441.8/59

asym_atr1l2_dd_mean vs Slug



Right In: 391.166 $\pm$ 941.167 χ^2 /NDF: 33.5/32

Left Out: 288.508 $\pm$ 1155.419 χ^2 /NDF:32.4/24

Right Out: 350.605 $\pm$ 916.346 χ^2 /NDF: 51.9/36

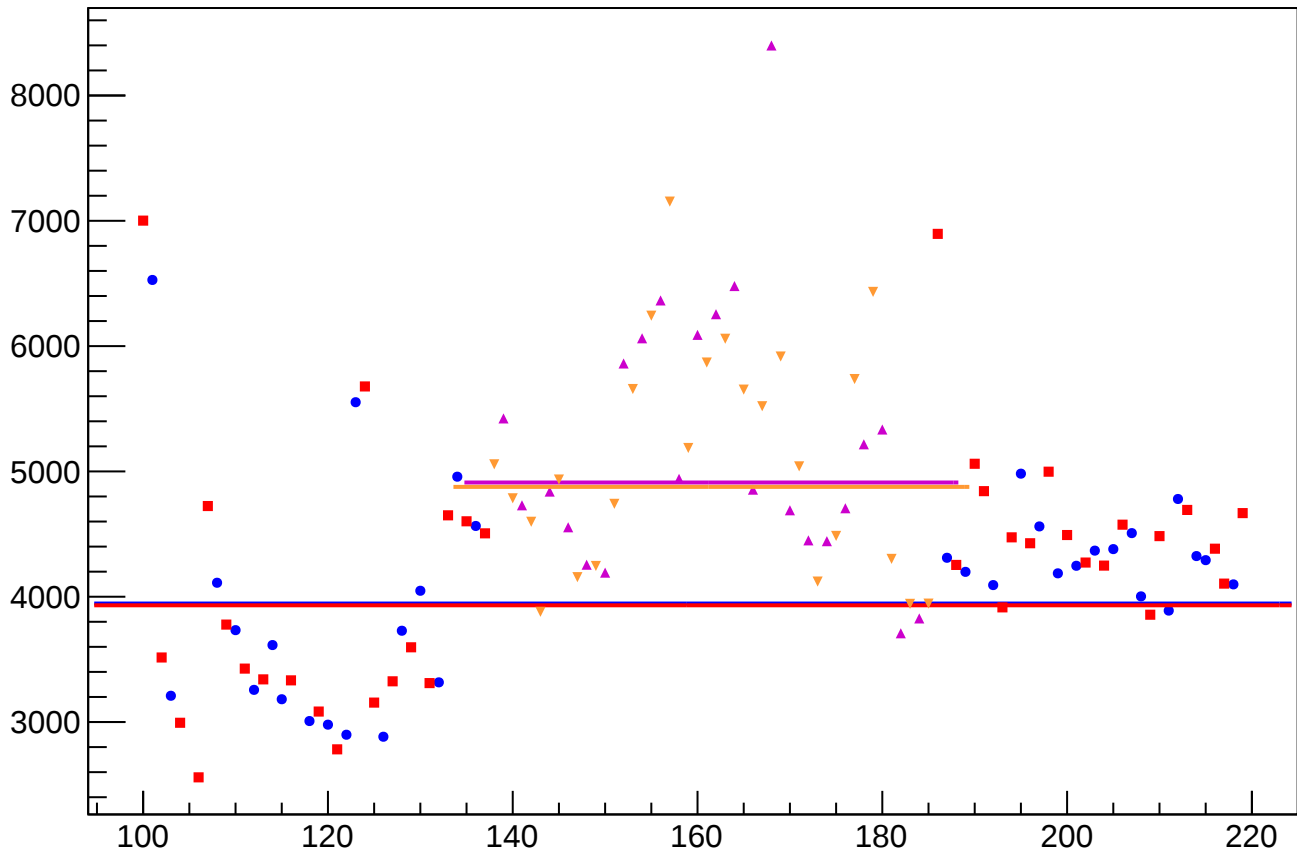
Left In: 332.488 $\pm$ 1196.011 χ^2 /NDF:14.7/22

+ sign 350.220 $\pm$ 729.714 χ^2 /NDF: 65.9/57

All: 347.051 $\pm$ 515.163 χ^2 /NDF: 132.4/117

- sign 343.903 $\pm$ 727.393 χ^2 /NDF: 66.5/59

asym_atr1l2_dd_rms vs Slug



Right In: 3945.593+/-0.666 χ^2/NDF : 997387.0/32

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3931.581+/-0.644 χ^2/NDF : 1257883.0/36

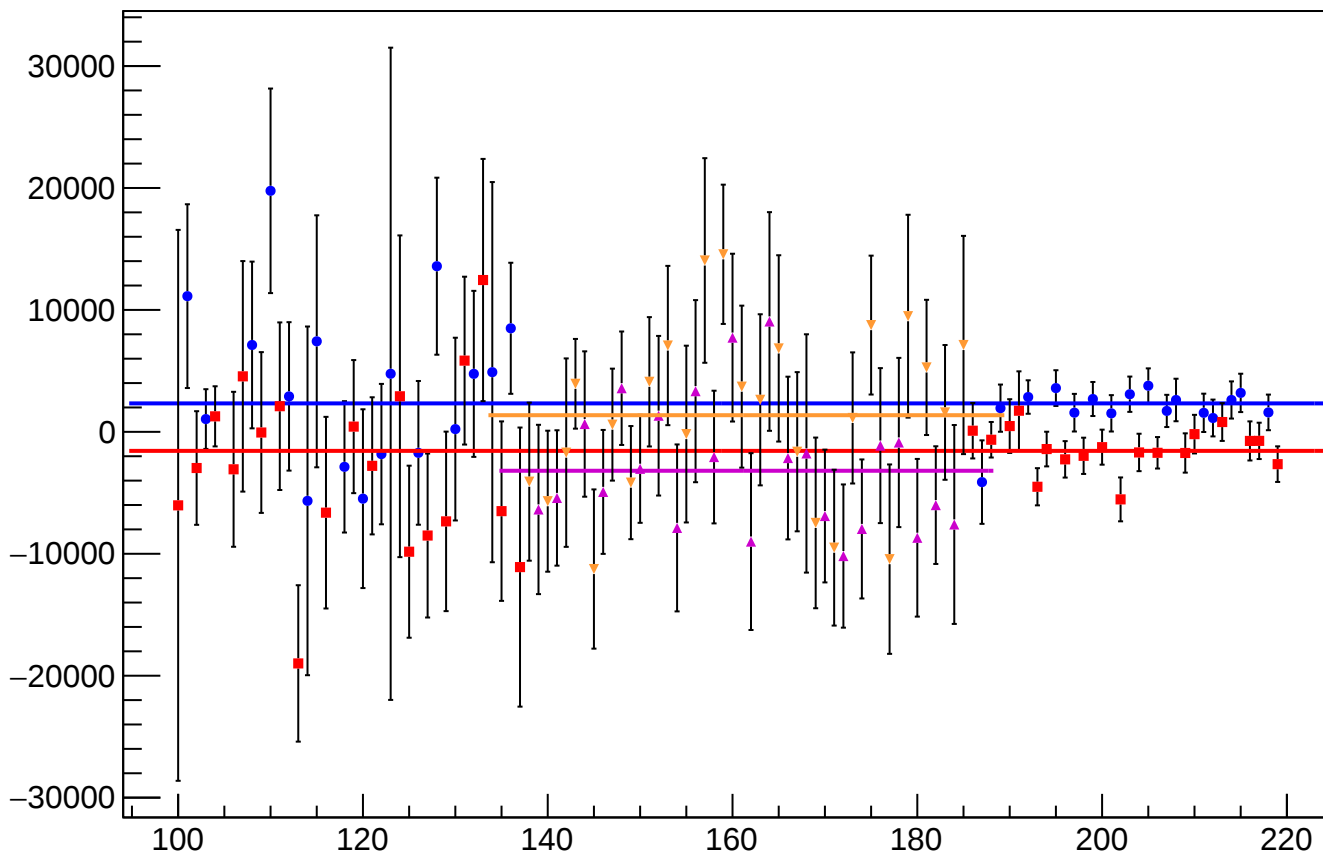
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4316.924+/-0.516 χ^2/NDF : 2750456.8/57

All: 4303.977+/-0.364 χ^2/NDF : 5902707.2/11

- sign 4291.214+/-0.512 χ^2/NDF : 3151000.2/59

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2333.794+/-372.119 χ^2/NDF : 22.1/32

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -1560.058+/-361.755 χ^2/NDF : 33.7/36

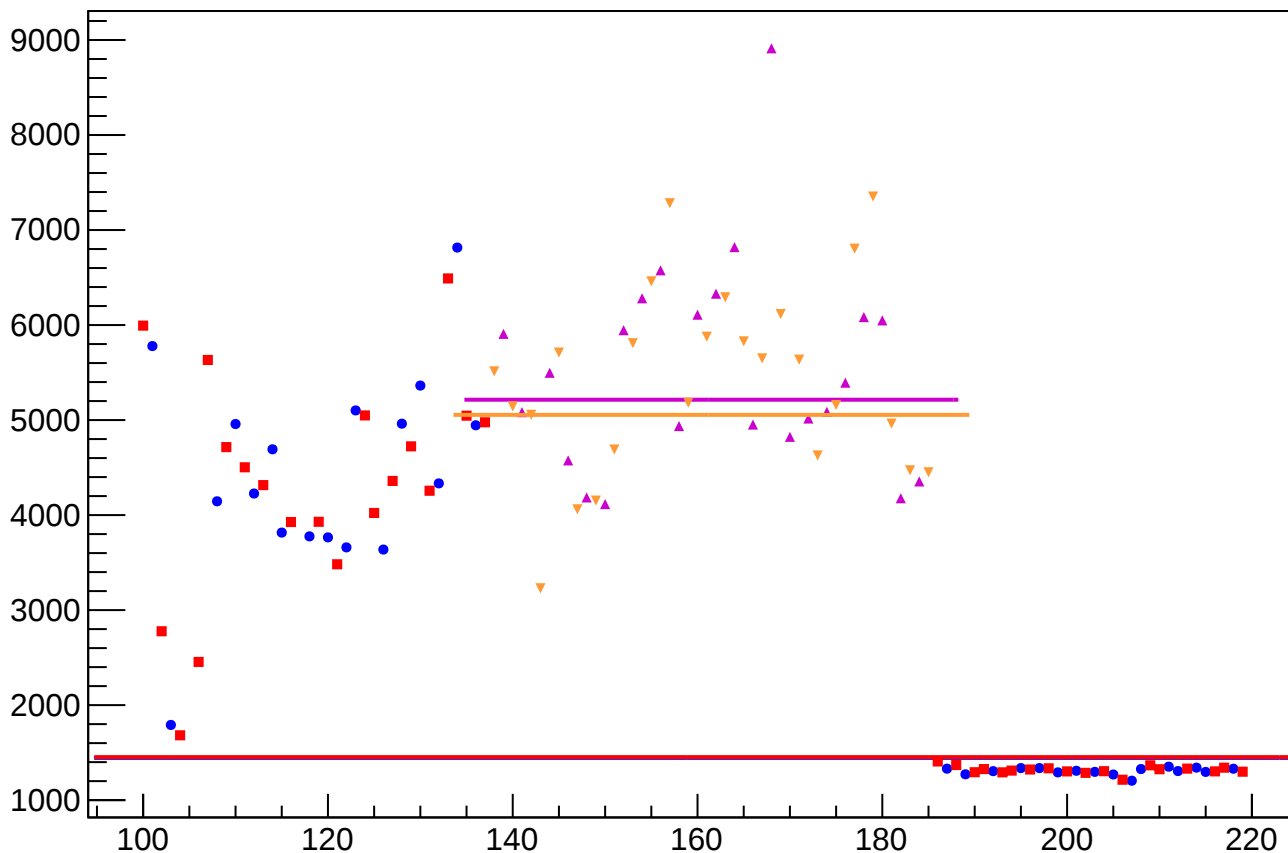
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 2249.617+/-355.584 χ^2/NDF : 50.7/57

All: 240.723+/-248.681 χ^2/NDF : 162.4/117

- sign -1682.465+/-347.916 χ^2/NDF : 49.2/59

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1445.138 $\pm$ 0.263 χ^2 /NDF: 5927038.1/32

Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF: 1437224.7/24

Right Out: 1452.441 $\pm$ 0.256 χ^2 /NDF: 5865792.1/36

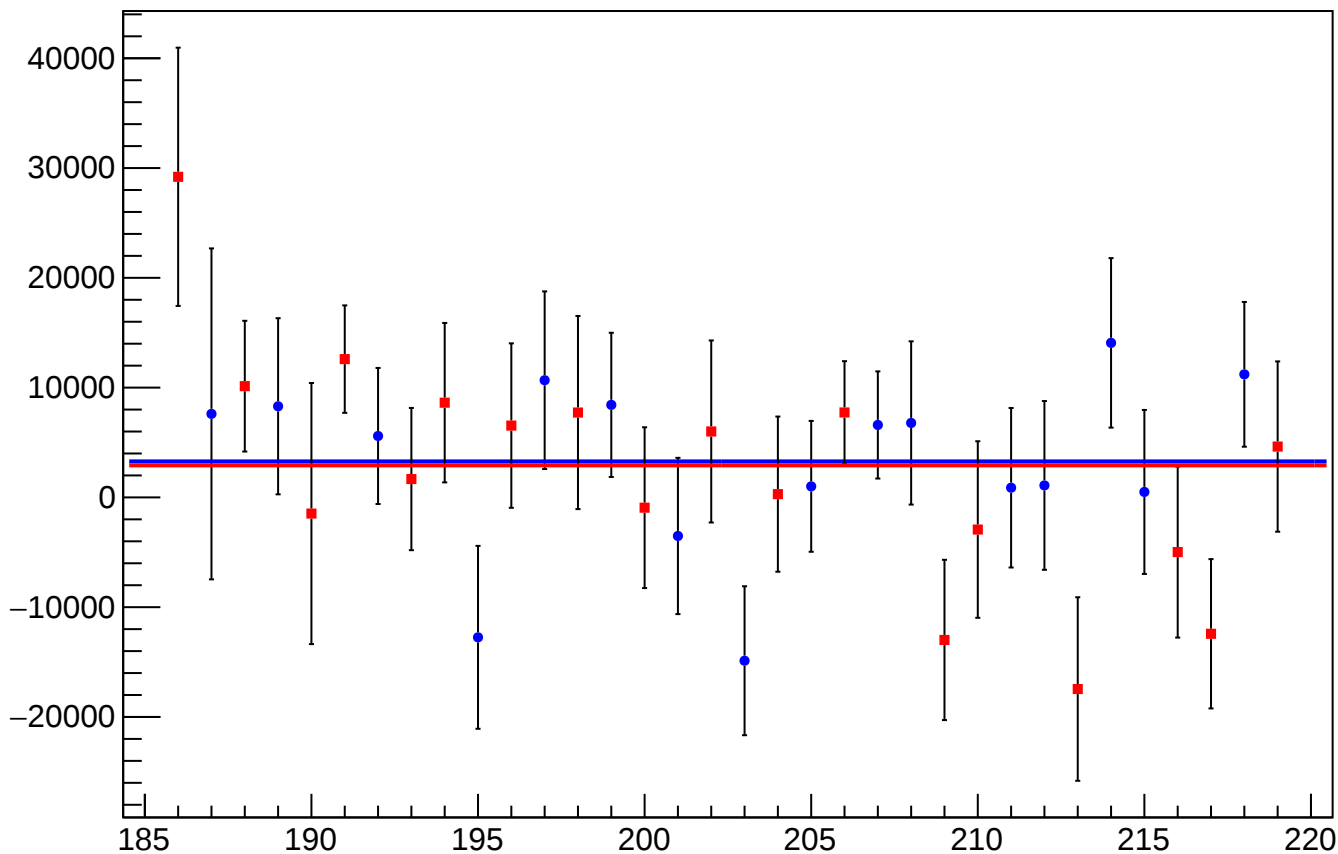
Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF: 1052501.5/22

+ sign 1758.793 $\pm$ 0.251 χ^2 /NDF: 23716414.0/57

All: 1746.327 $\pm$ 0.176 χ^2 /NDF: 46870058.3/100

- sign 1734.408 $\pm$ 0.246 χ^2 /NDF: 23148836.2/59

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 3279.189 $\pm$ 1761.925 χ^2 /NDF: 18.4/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 2916.661 $\pm$ 1666.491 χ^2 /NDF: 30.7/17

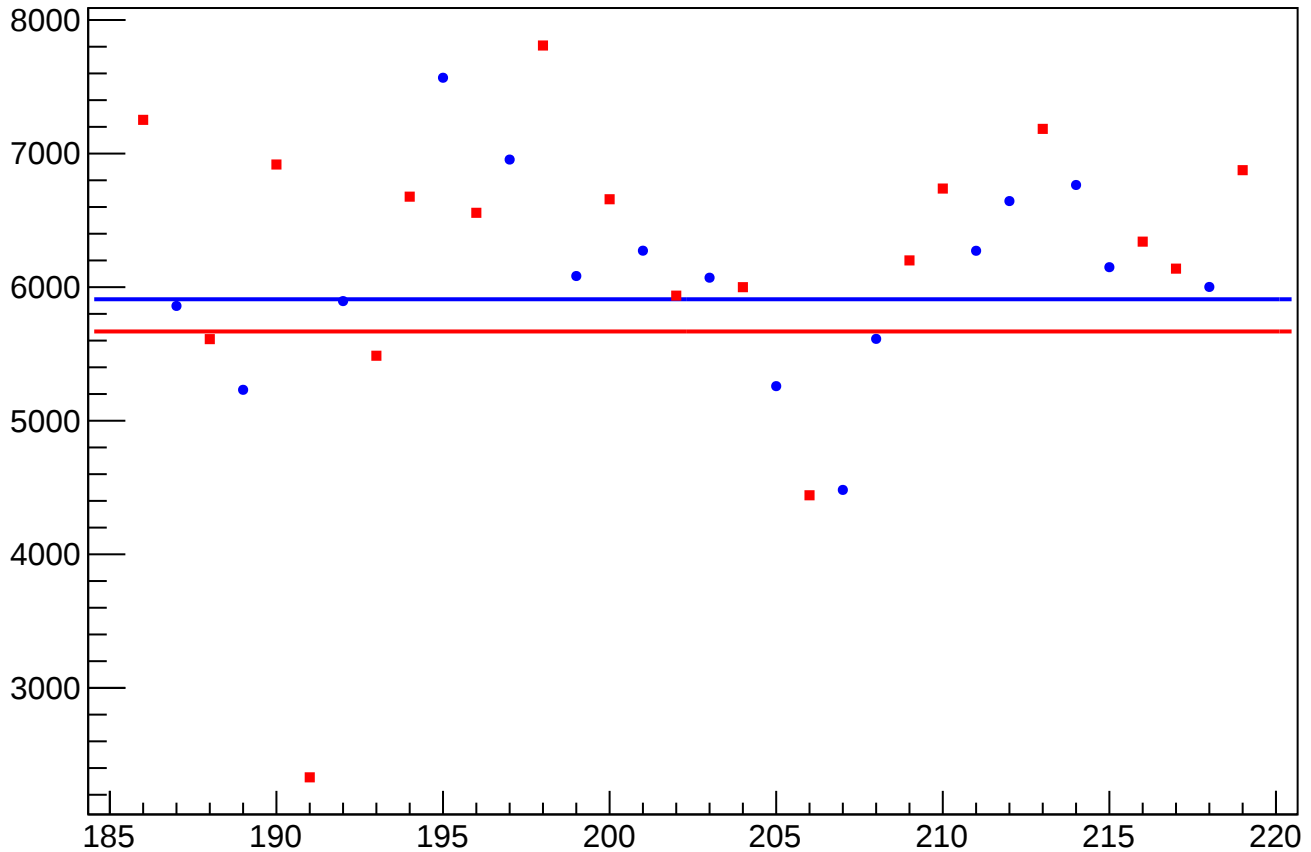
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 3087.841 $\pm$ 1210.720 χ^2 /NDF: 49.1/33

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5909.387+/-1.246 χ^2/NDF : 383079.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

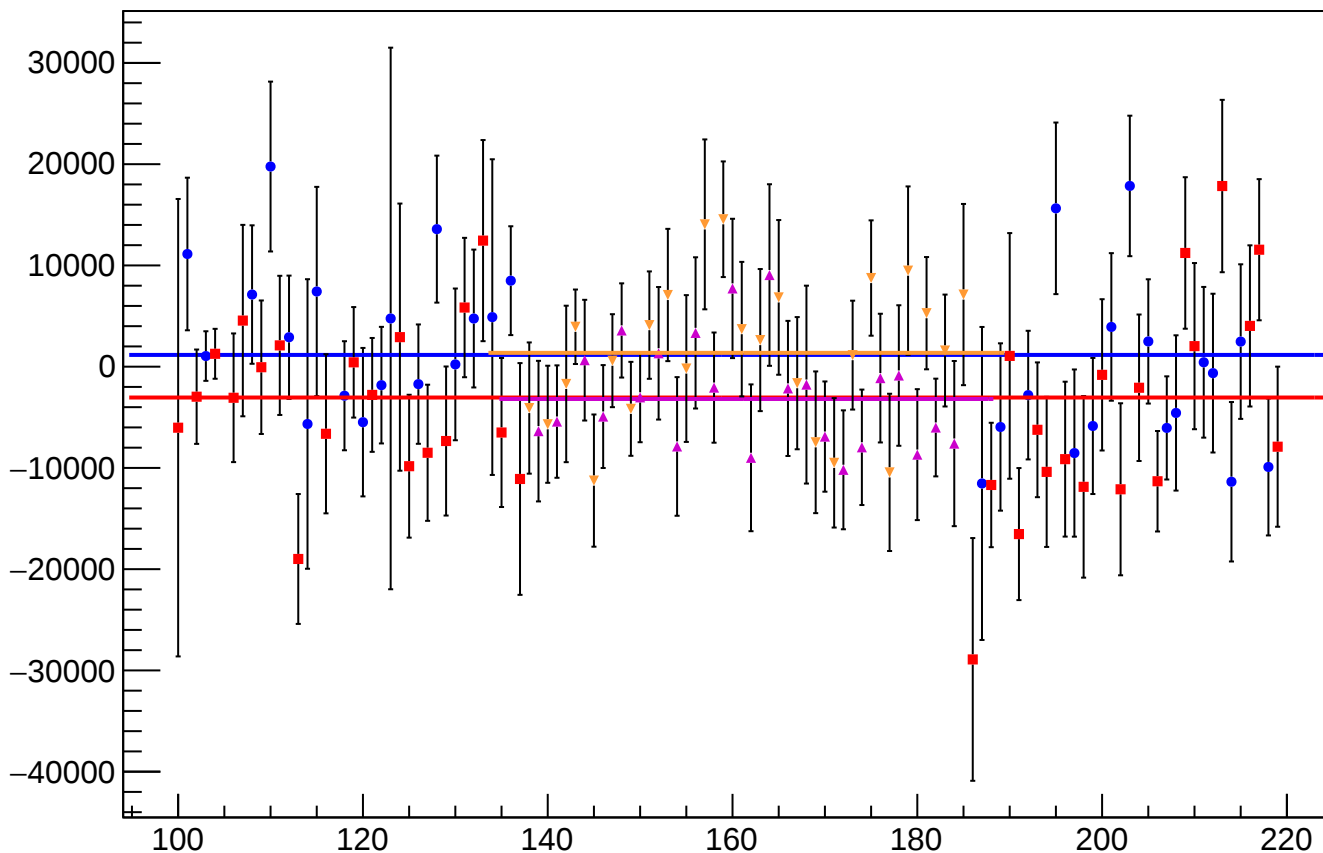
Right Out: 5668.303+/-1.178 χ^2/NDF : 1541309.7/17

All: 5782.140+/-0.856 χ^2/NDF : 1944153.5/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1161.175 $\pm$ 1134.284 χ^2/NDF : 36.2/32

Left Out: 1365.082 $\pm$ 1206.268 χ^2/NDF : 28.0/24

Right Out: -3046.477 $\pm$ 1086.859 χ^2/NDF : 51.7/36

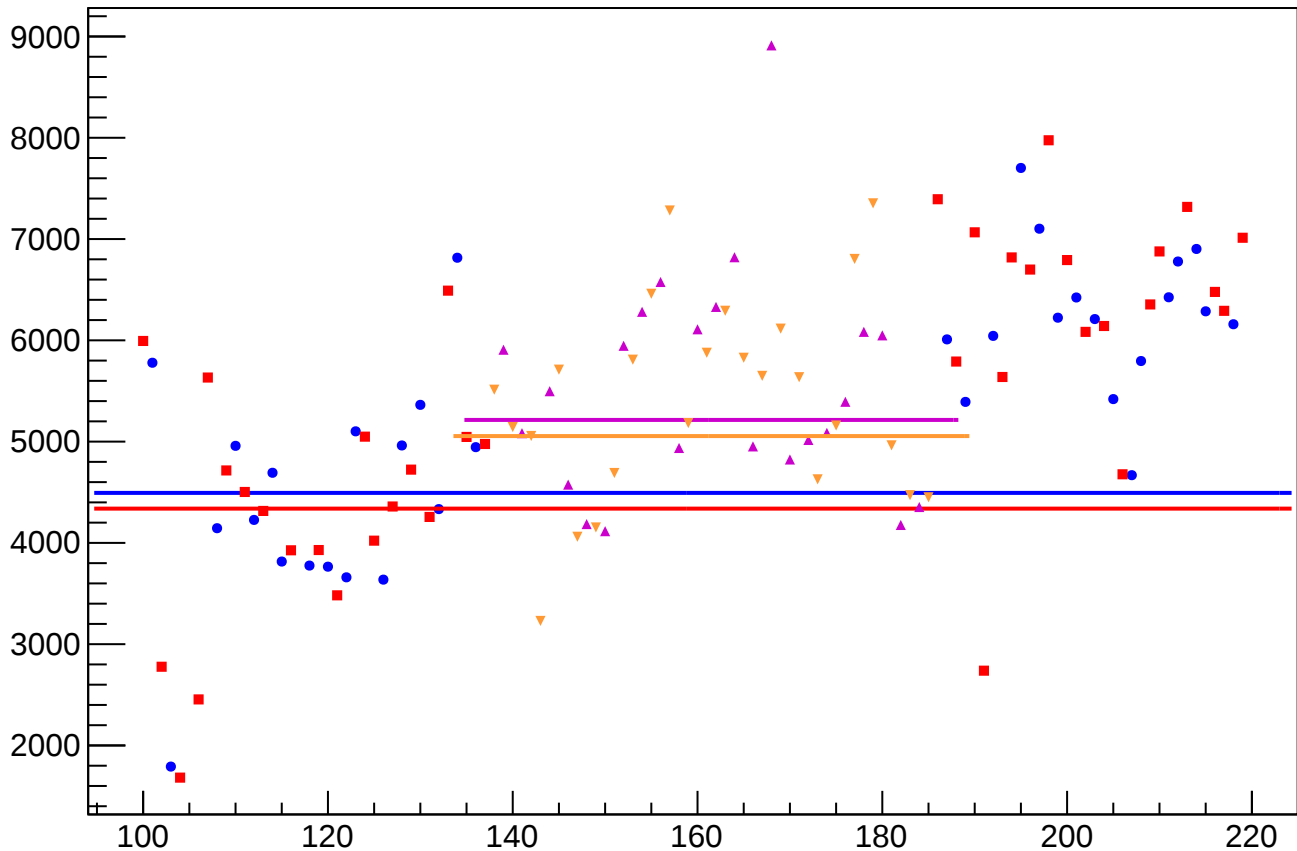
Left In: -3191.160 $\pm$ 1270.021 χ^2/NDF : 14.0/22

+ sign 1256.863 $\pm$ 826.337 χ^2/NDF : 64.2/57

All: -926.912 $\pm$ 584.104 χ^2/NDF : 143.8/117

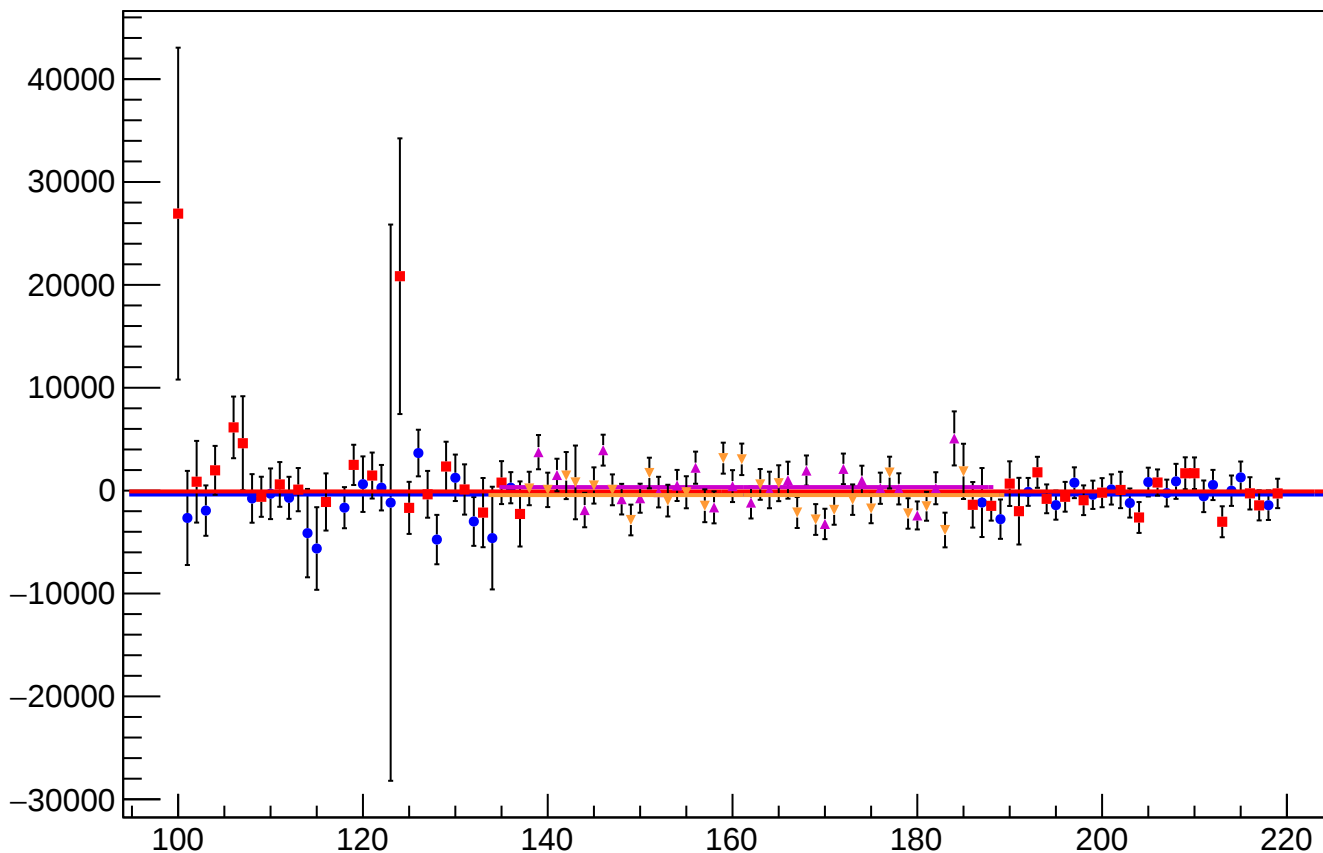
- sign -3107.642 $\pm$ 825.761 χ^2/NDF : 65.7/59

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4493.733+/-0.802	χ^2/NDF : 4625595.9/32	+ sign 4756.982+/-0.584	χ^2/NDF : 6292388.3/57
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24	All: 4731.482+/-0.412	χ^2/NDF : 13772365.7/1
Right Out: 4338.425+/-0.764	χ^2/NDF : 5872153.3/36	- sign 4706.186+/-0.582	χ^2/NDF : 7476183.6/59
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22		

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -378.614 ± 320.002 χ^2/NDF : 19.7/32

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: -77.915 ± 312.531 χ^2/NDF : 31.1/36

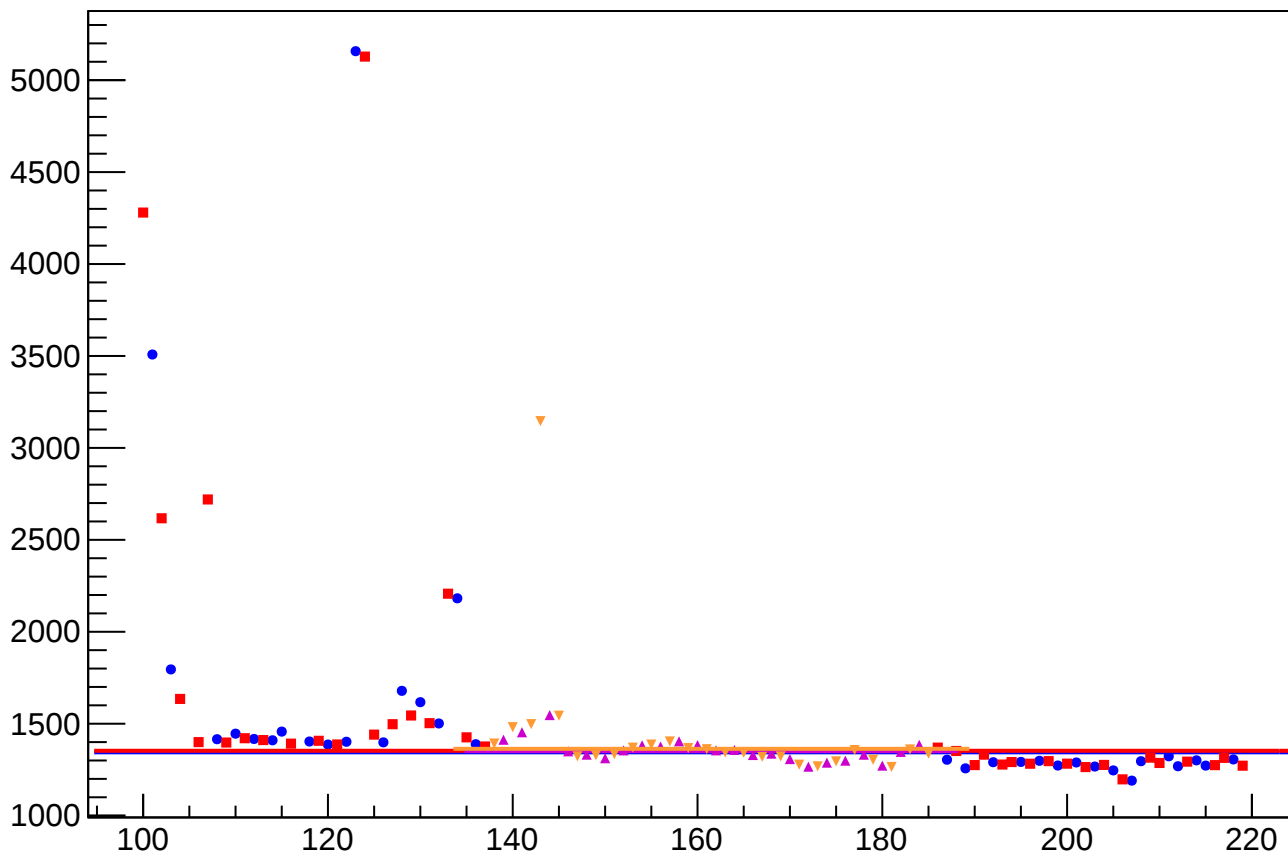
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -405.120 ± 226.466 χ^2/NDF : 52.8/57

All: -138.372 ± 159.637 χ^2/NDF : 121.3/117

- sign 125.077 ± 225.061 χ^2/NDF : 65.7/59

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1344.470+/-0.226 χ^2/NDF : 783228.8/32

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1352.862+/-0.221 χ^2/NDF : 889458.3/36

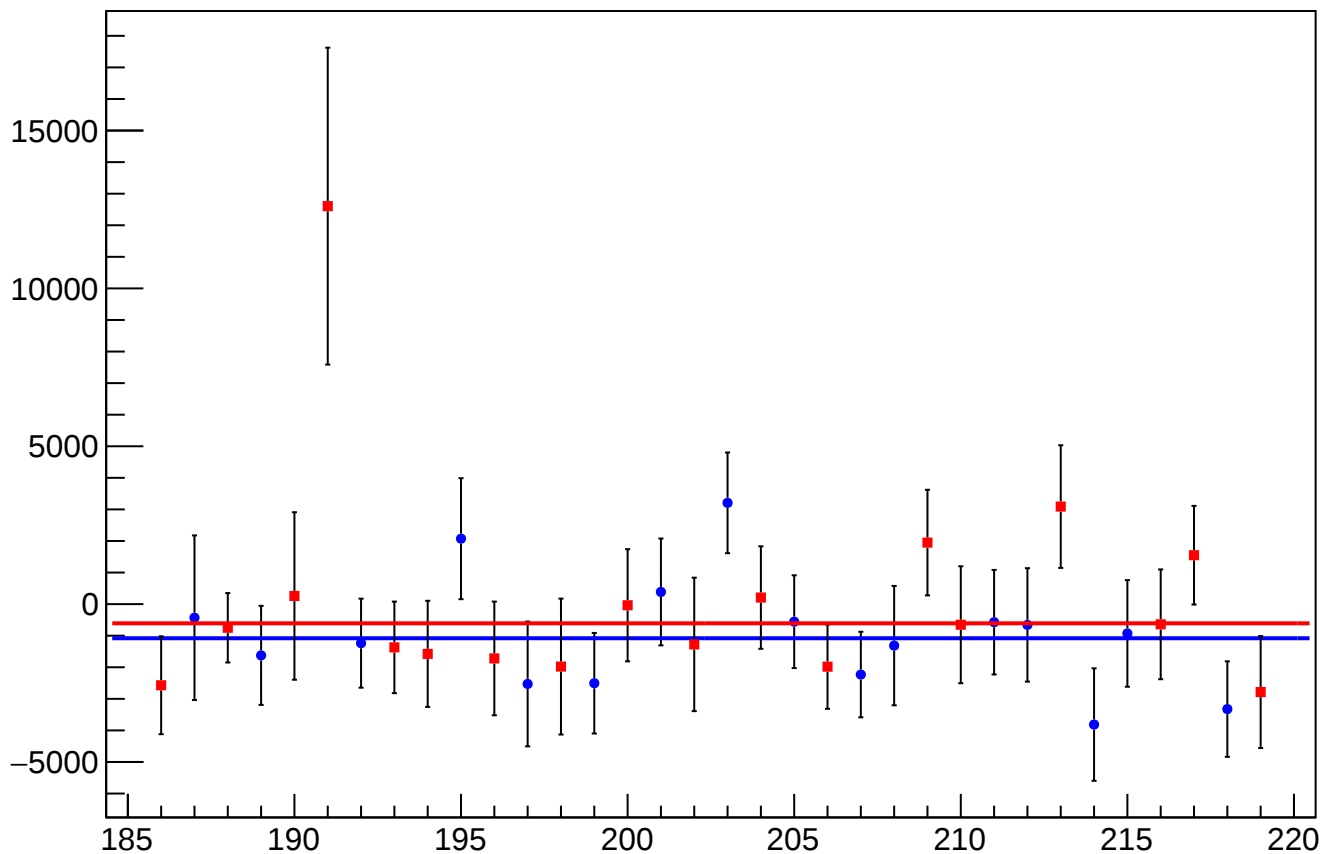
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1353.999+/-0.160 χ^2/NDF : 1362008.8/57

All: 1352.954+/-0.113 χ^2/NDF : 2318733.9/11

- sign 1351.922+/-0.159 χ^2/NDF : 956640.4/59

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -1080.809 $\pm$ 415.680 χ^2 /NDF: 17.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: -607.770 $\pm$ 400.571 χ^2 /NDF: 20.9/17

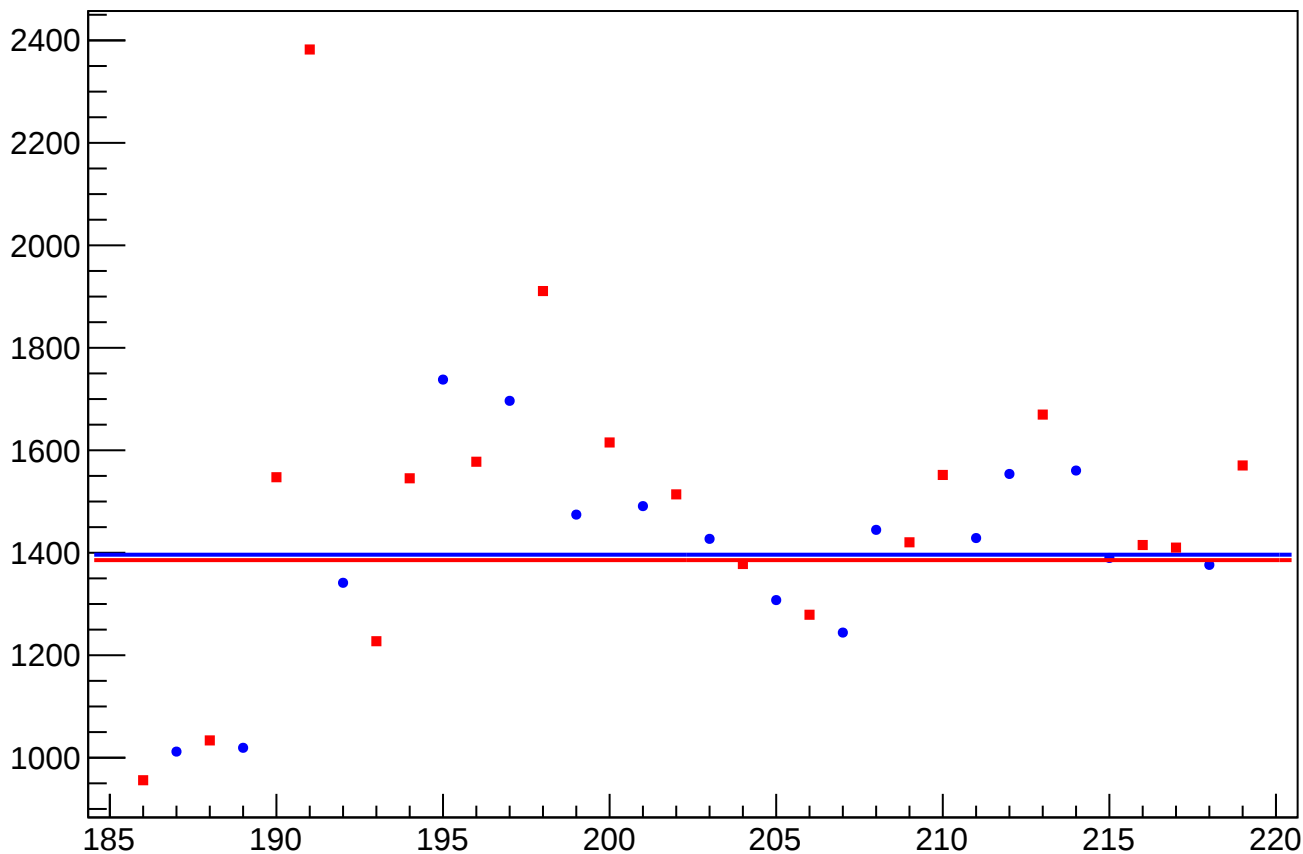
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -835.537 $\pm$ 288.440 χ^2 /NDF: 39.4/33

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1396.219+/-0.294 χ^2/NDF : 350920.2/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

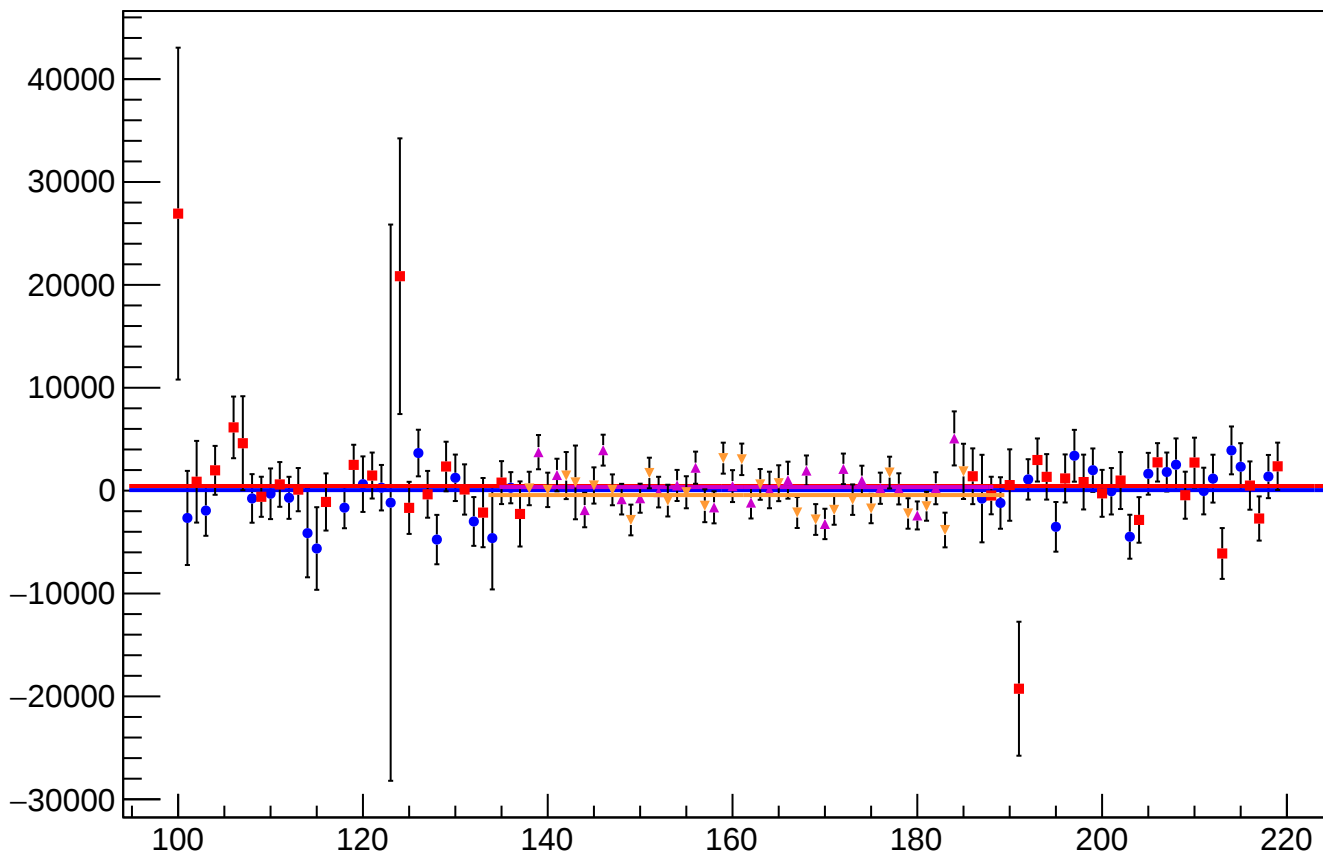
Right Out: 1385.636+/-0.283 χ^2/NDF : 764515.3/17

All: 1390.731+/-0.204 χ^2/NDF : 1116107.7/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: 49.778+/-414.316 χ^2/NDF : 31.0/32

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 451.069+/-407.051 χ^2/NDF : 40.7/36

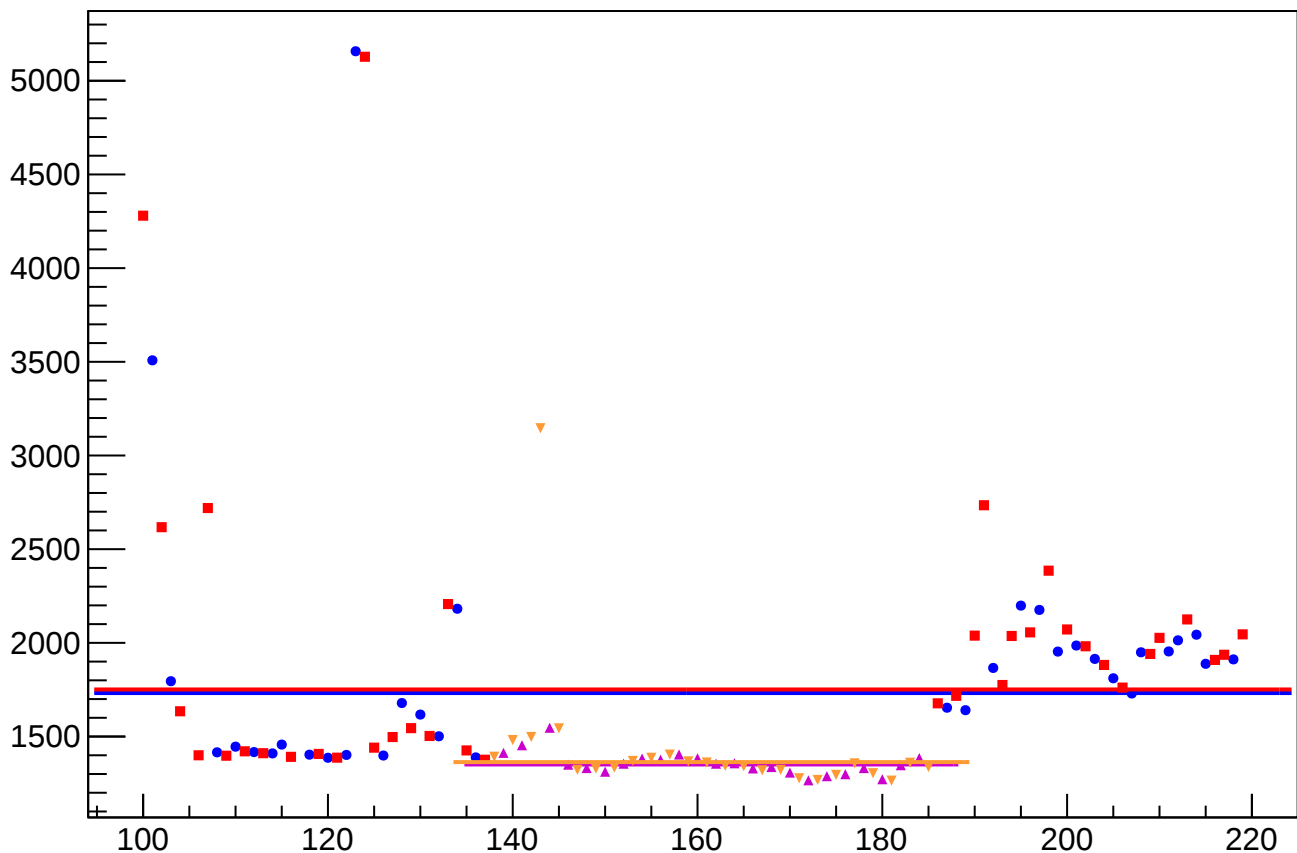
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -251.428+/-253.524 χ^2/NDF : 64.9/57

All: 66.807+/-179.322 χ^2/NDF : 142.6/117

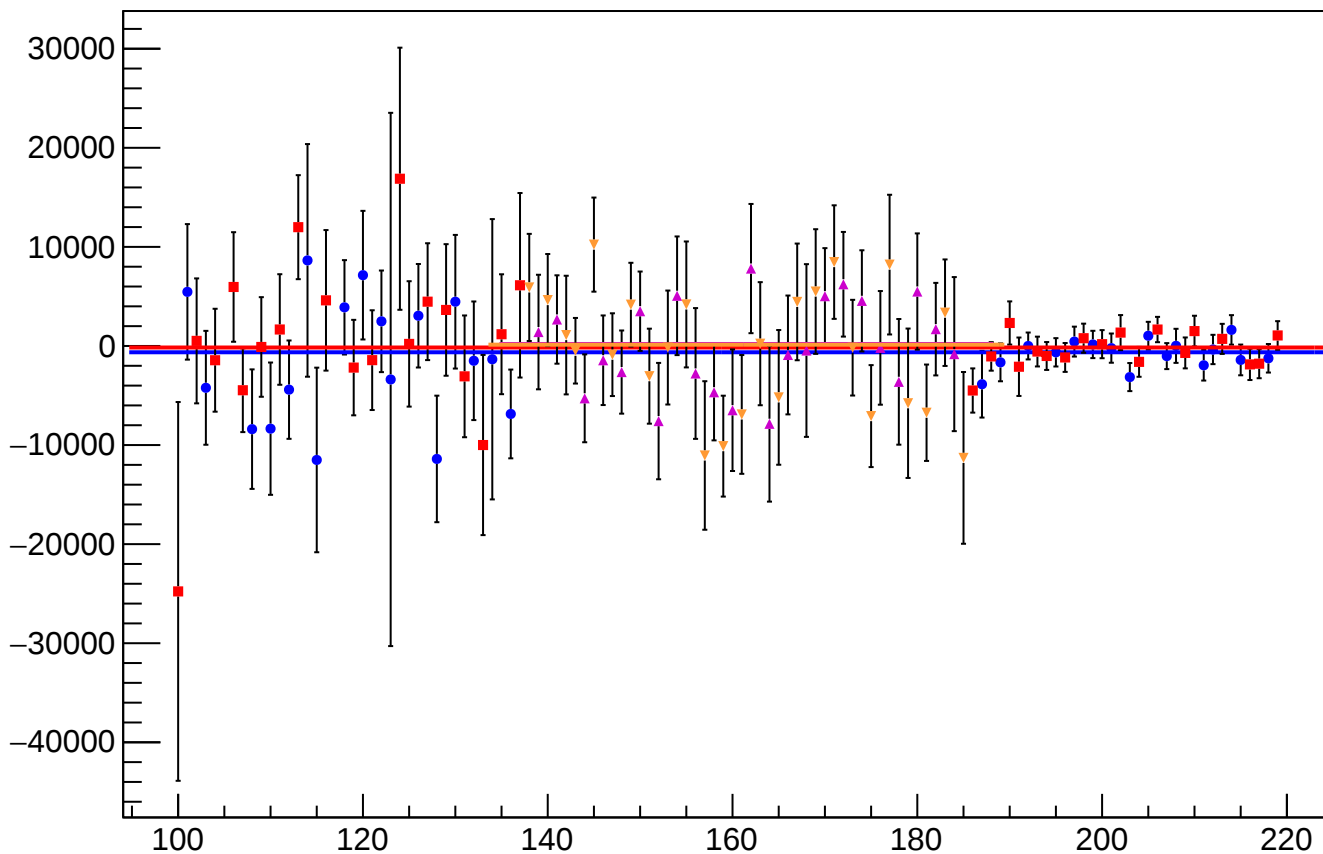
- sign 385.423+/-253.676 χ^2/NDF : 74.5/59

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1732.048+/-0.293	χ^2/NDF : 1121894.0/32	+ sign 1501.535+/-0.179	χ^2/NDF : 2686777.0/57
Left Out: 1363.561+/-0.227	χ^2/NDF : 575226.6/24	All: 1503.966+/-0.127	χ^2/NDF : 5292503.0/11
Right Out: 1751.263+/-0.288	χ^2/NDF : 1354887.0/36	- sign 1506.400+/-0.179	χ^2/NDF : 2605358.0/59
Left In: 1350.909+/-0.229	χ^2/NDF : 67144.5/22		

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -635.674 $\pm$ 367.557 χ^2 /NDF: 25.9/32

Left Out: 132.142 $\pm$ 1065.543 χ^2 /NDF: 28.1/24

Right Out: -154.313 $\pm$ 355.975 χ^2 /NDF: 30.3/36

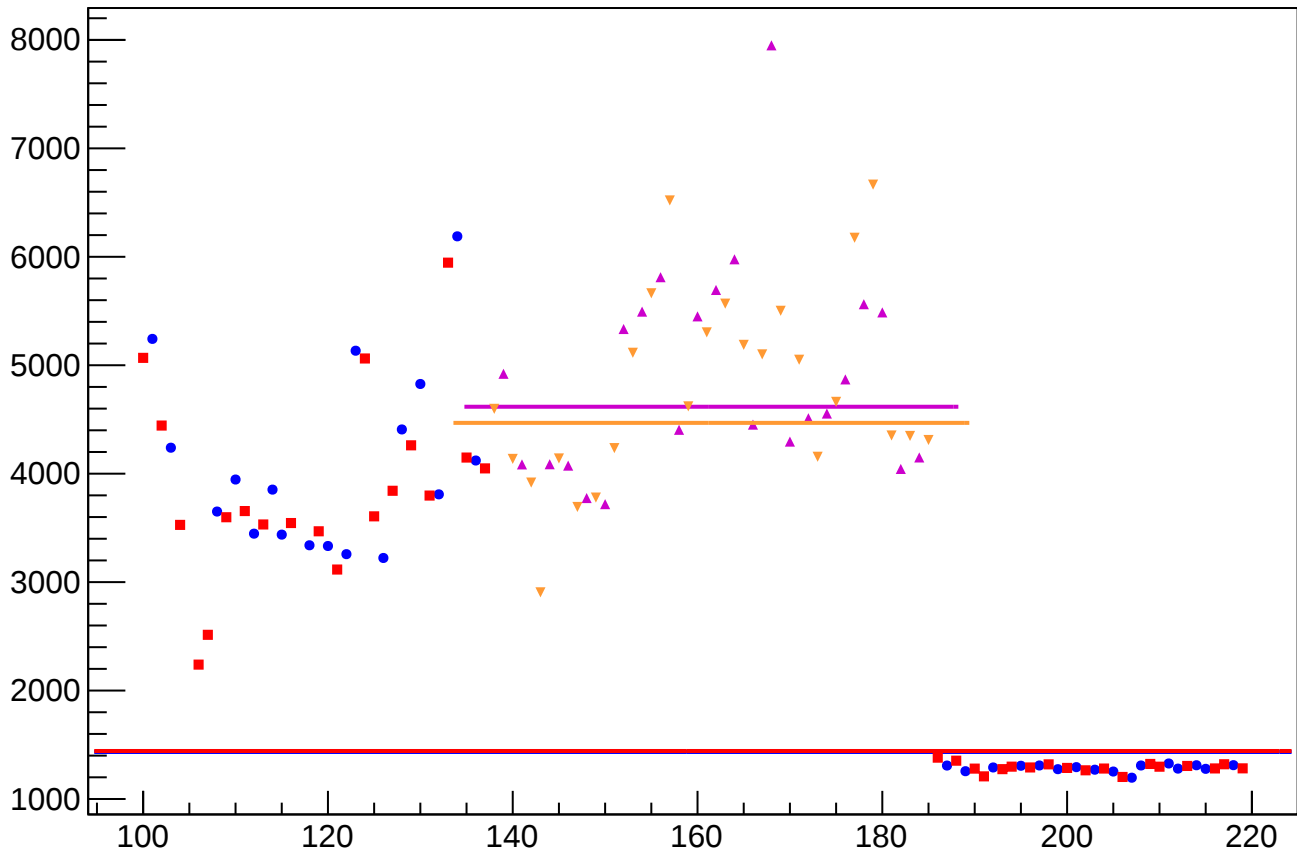
Left In: 200.182 $\pm$ 1123.499 χ^2 /NDF: 14.7/22

+ sign -554.028 $\pm$ 347.465 χ^2 /NDF: 54.5/57

All: -332.895 $\pm$ 242.775 χ^2 /NDF: 100.4/117

- sign -121.972 $\pm$ 339.349 χ^2 /NDF: 45.1/59

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1433.545 $\pm$ 0.260 χ^2 /NDF: 5707264.1/32

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 1442.718 $\pm$ 0.252 χ^2 /NDF: 5553591.2/36

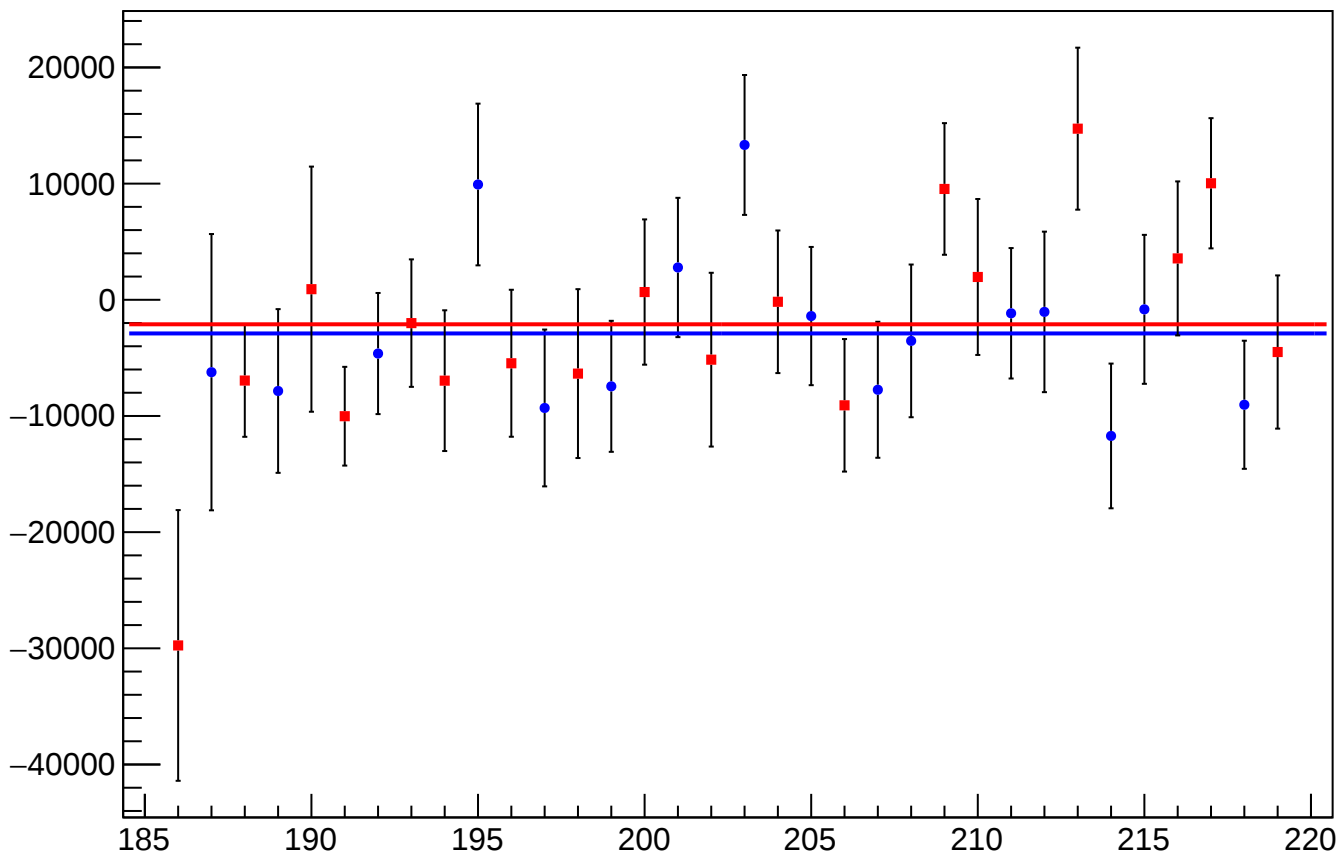
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 1756.272 $\pm$ 0.246 χ^2 /NDF: 21588019.1/57

All: 1743.851 $\pm$ 0.172 χ^2 /NDF: 42659208.2/1

- sign 1732.017 $\pm$ 0.240 χ^2 /NDF: 21066198.2/59

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -2895.867+/-1562.239 χ^2 /NDF: 18.1/15

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Right Out: -2108.431+/-1457.121 χ^2 /NDF: 29.4/17

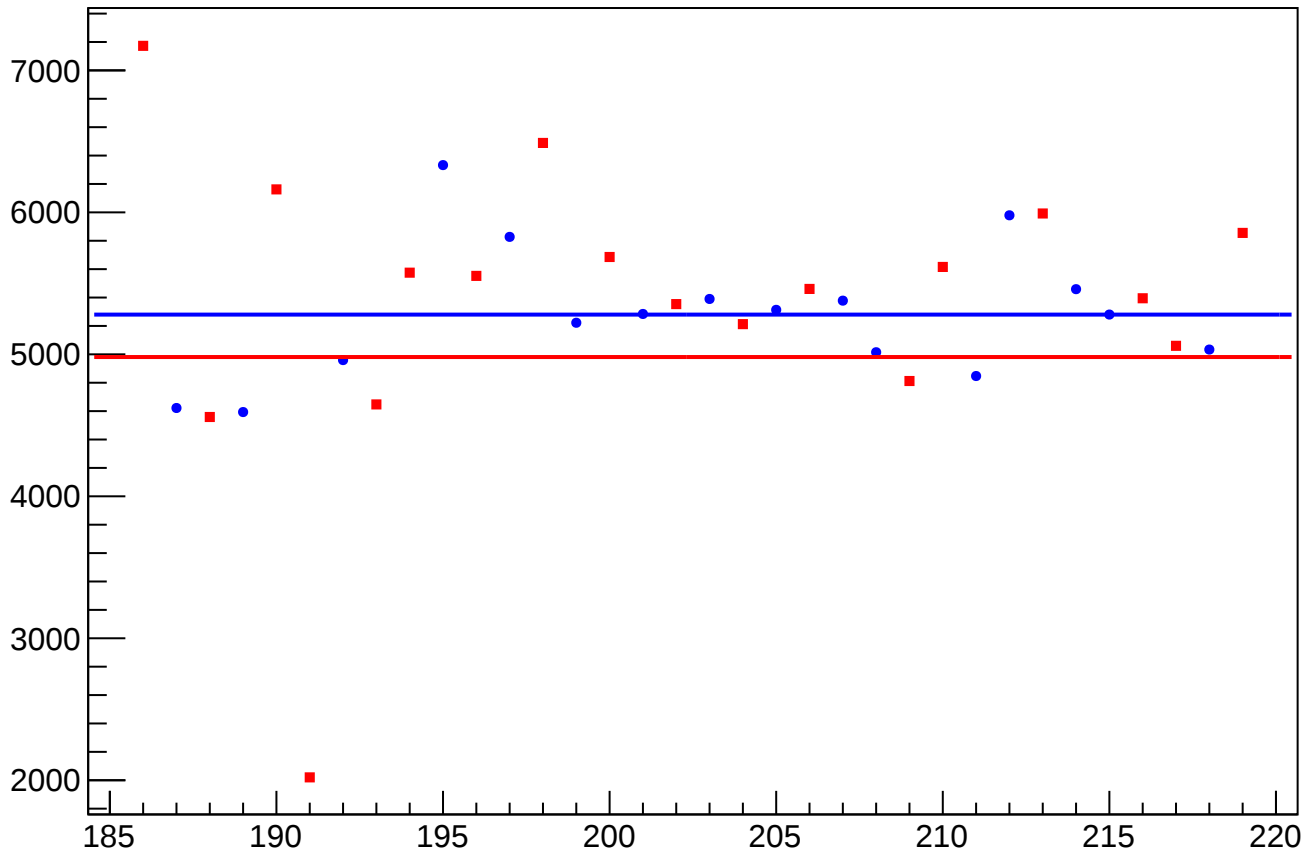
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -2474.768+/-1065.565 χ^2 /NDF: 47.6/33

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5279.854+/-1.105 χ^2/NDF : 134370.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

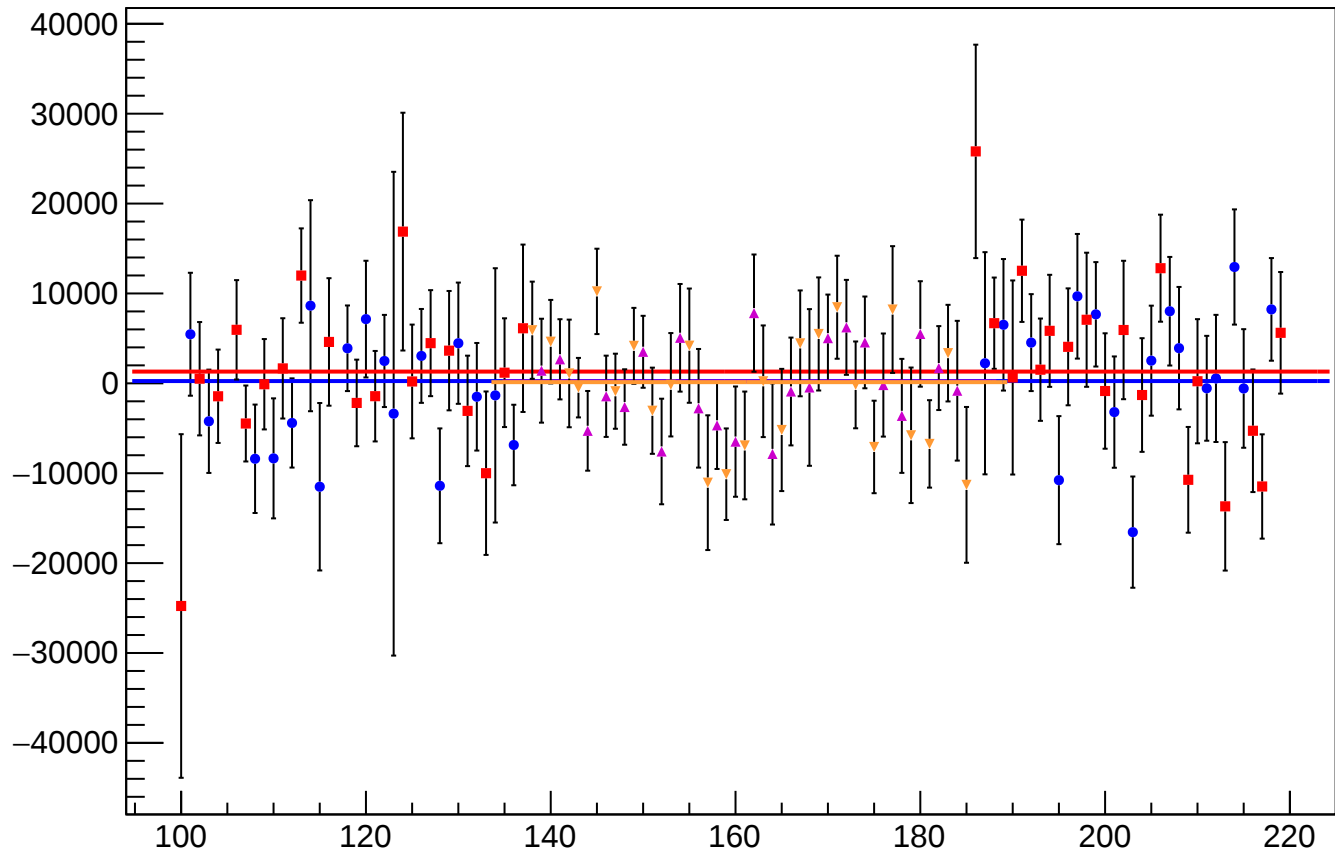
Right Out: 4980.991+/-1.030 χ^2/NDF : 1363189.8/17

All: 5120.031+/-0.753 χ^2/NDF : 1536703.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: 252.949 $\pm$ 1104.892 χ^2 /NDF: 39.4/32

Left Out: 132.142 $\pm$ 1065.543 χ^2 /NDF: 28.1/24

Right Out: 1307.215 $\pm$ 1029.155 χ^2 /NDF: 43.9/36

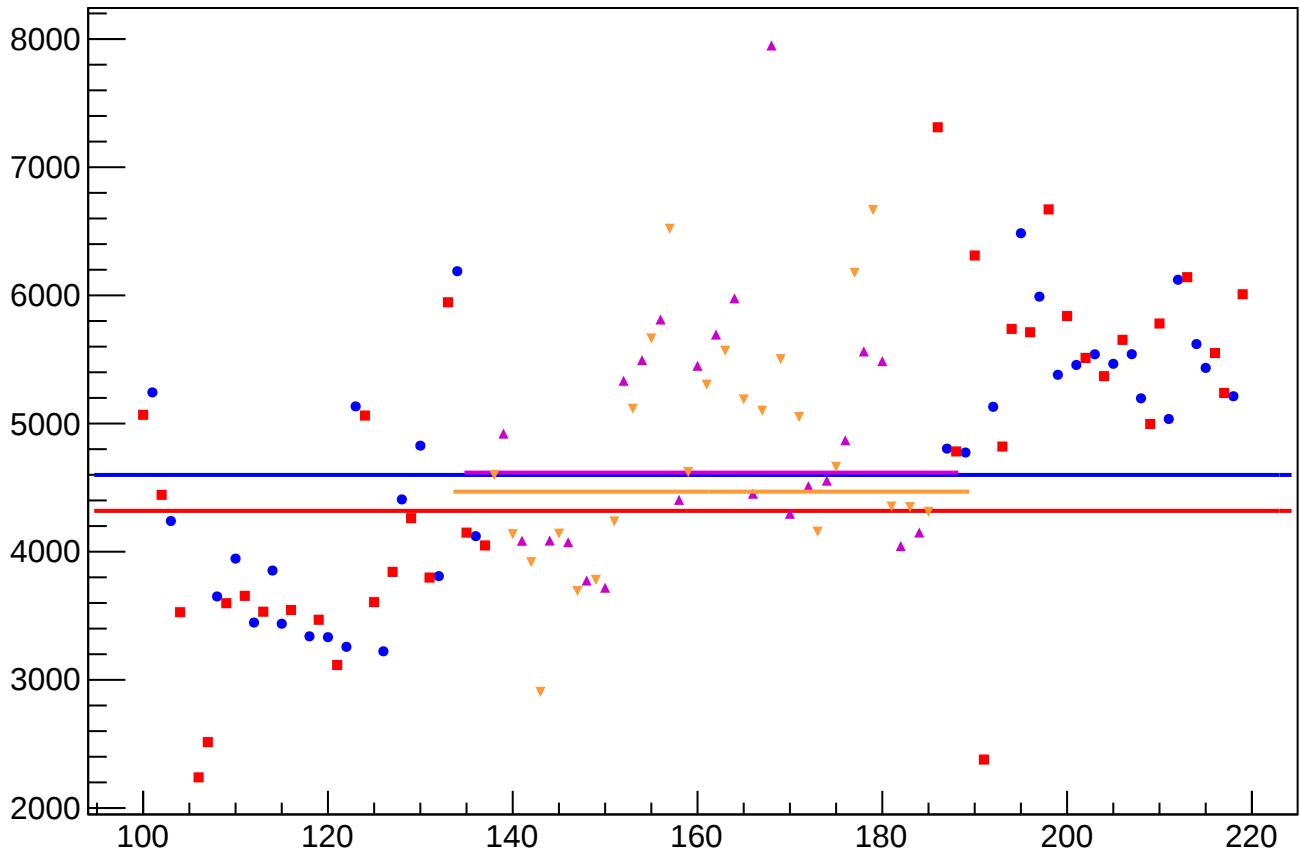
Left In: 200.182 $\pm$ 1123.499 χ^2 /NDF: 14.7/22

+ sign 190.356 $\pm$ 766.986 χ^2 /NDF: 67.5/57

All: 499.487 $\pm$ 539.455 χ^2 /NDF: 127.0/117

- sign 802.124 $\pm$ 758.888 χ^2 /NDF: 59.2/59

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4598.813 ± 0.781 $\chi^2/\text{NDF}: 1497143.1/32$

Left Out: 4468.520 ± 0.753 $\chi^2/\text{NDF}: 1380601.0/24$

Right Out: 4318.301 ± 0.724 $\chi^2/\text{NDF}: 2879902.2/36$

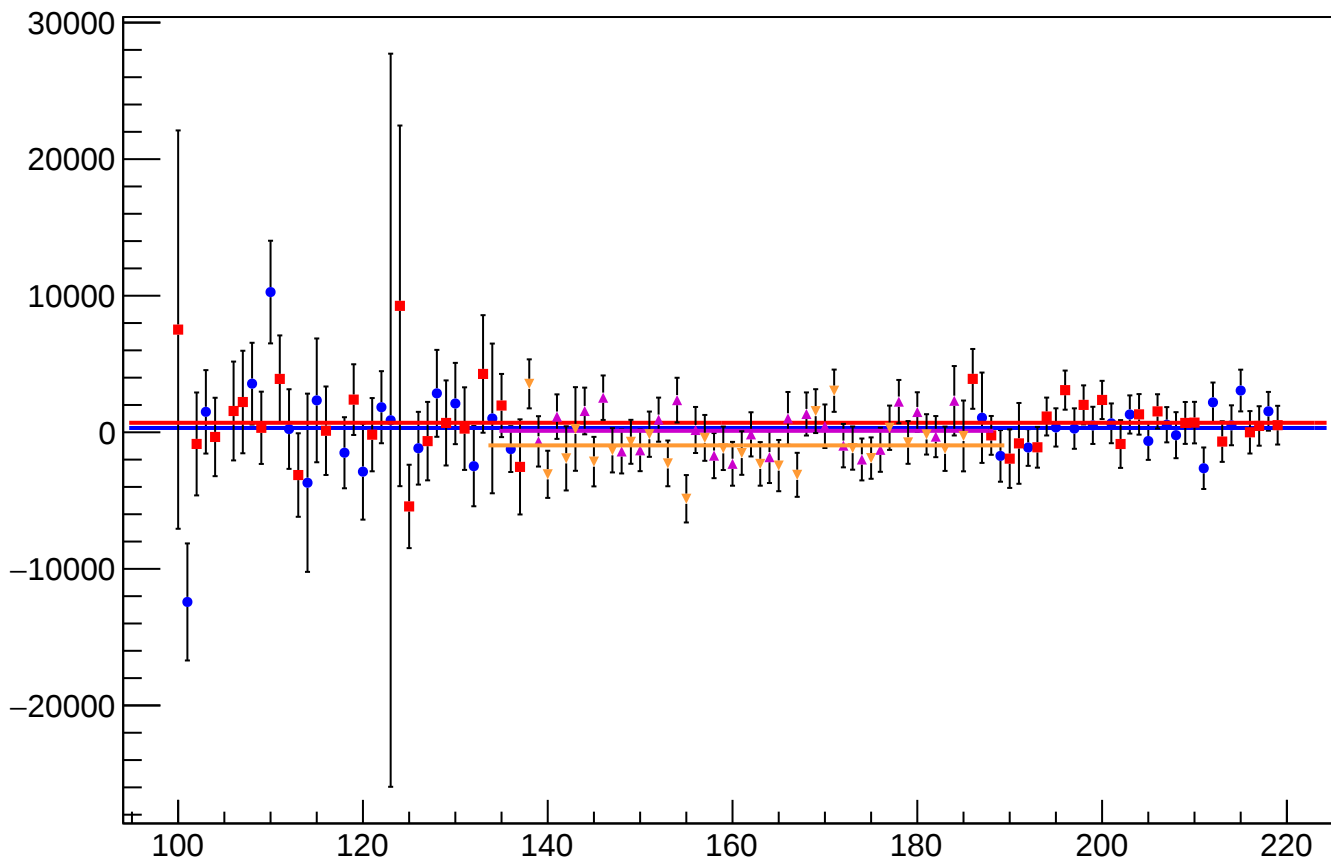
Left In: 4617.293 ± 0.794 $\chi^2/\text{NDF}: 999599.8/22$

+ sign 4531.306 ± 0.542 $\chi^2/\text{NDF}: 2892154.5/57$

All: 4492.114 ± 0.381 $\chi^2/\text{NDF}: 6859341.2/11$

- sign 4453.959 ± 0.535 $\chi^2/\text{NDF}: 3956880.6/59$

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 315.840 ± 334.177 χ^2/NDF : 35.4/32

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 695.818 ± 325.305 χ^2/NDF : 23.9/36

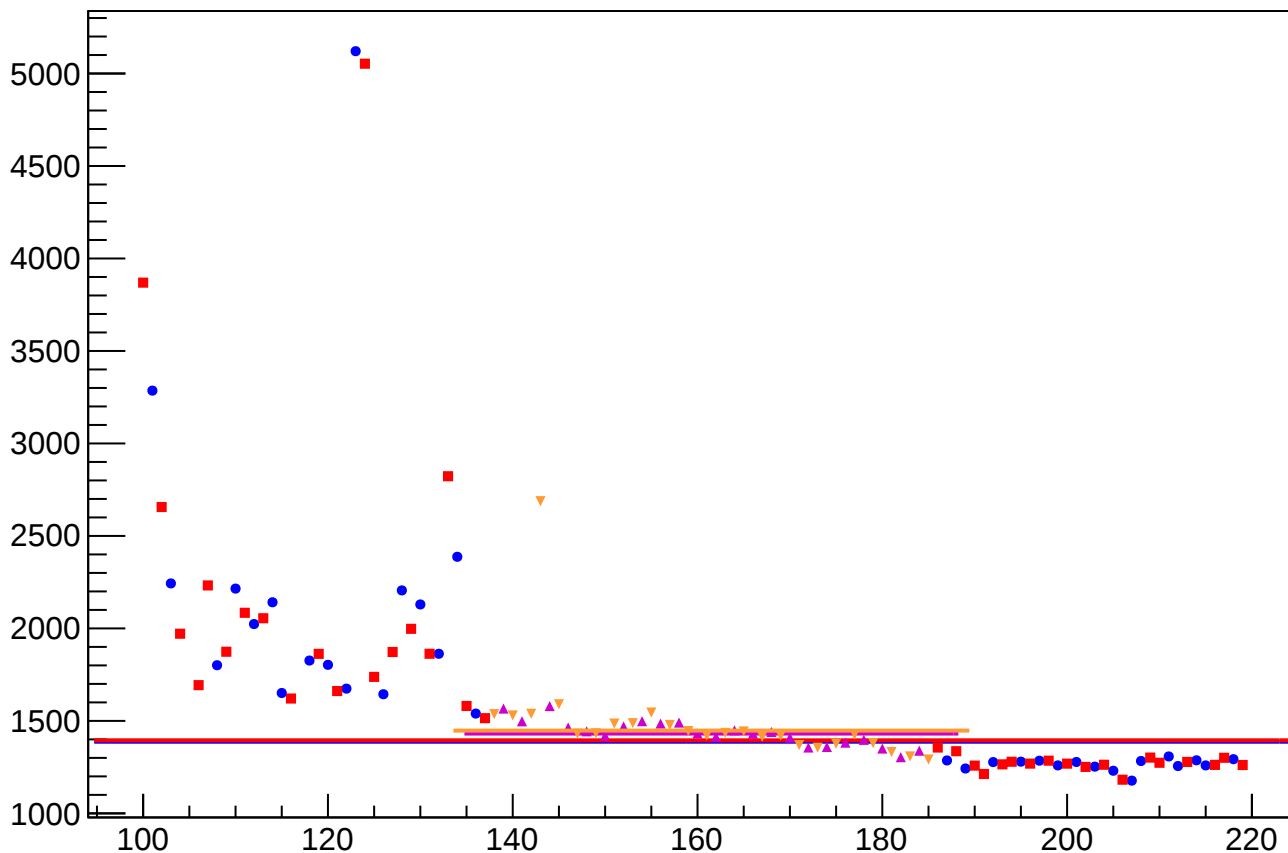
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -311.224 ± 238.157 χ^2/NDF : 71.1/57

All: 56.219 ± 167.724 χ^2/NDF : 120.7/117

- sign 417.797 ± 236.249 χ^2/NDF : 44.9/59

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1387.476 $\pm$ 0.236 χ^2 /NDF: 1608161.1/32

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF:419254.7/24

Right Out: 1394.936 $\pm$ 0.230 χ^2 /NDF: 1667204.3/36

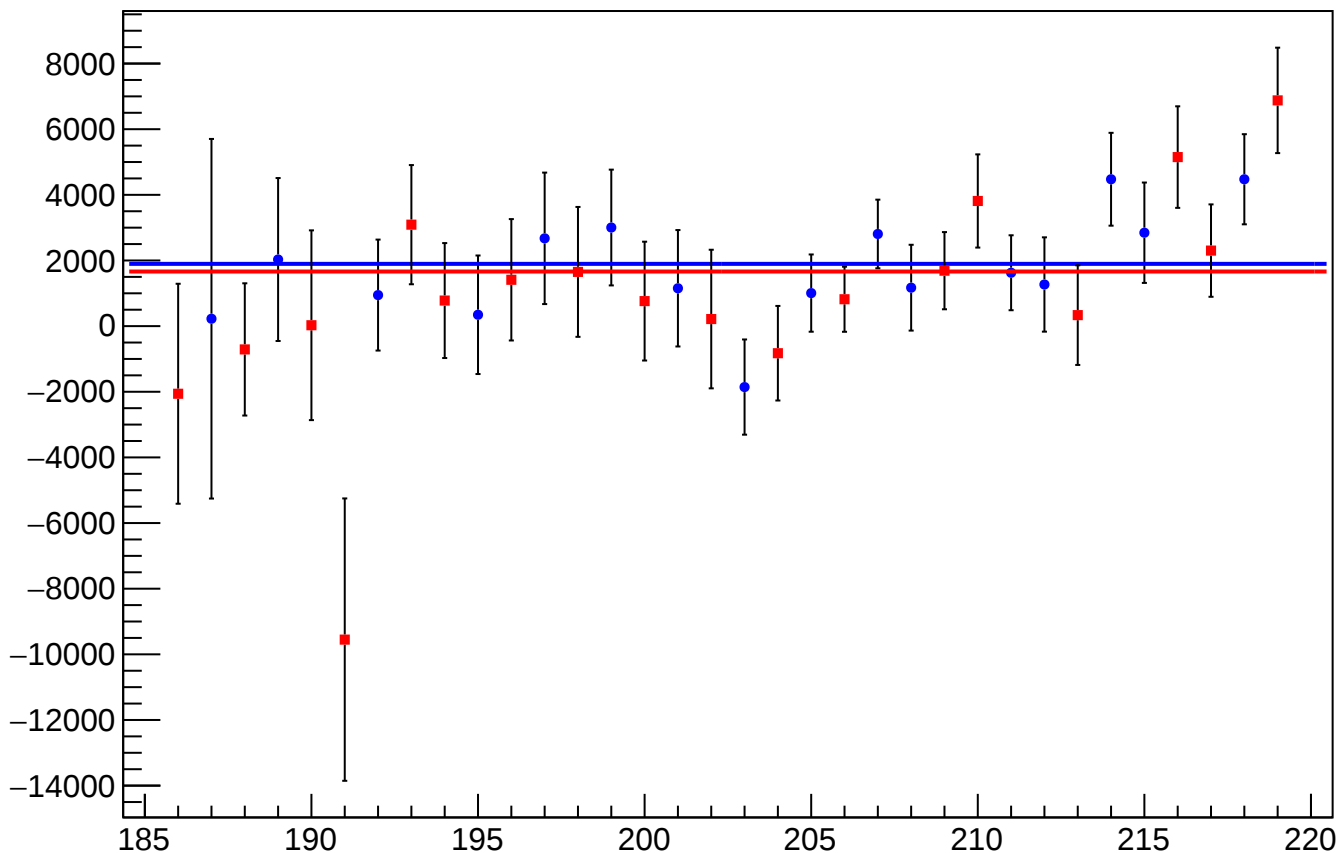
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF:75130.4/22

+ sign 1417.041 $\pm$ 0.168 χ^2 /NDF: 2059226.1/57

All: 1414.598 $\pm$ 0.119 χ^2 /NDF: 3813890.3/11

- sign 1412.194 $\pm$ 0.167 χ^2 /NDF: 1754246.7/59

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1897.098 $\pm$ 374.050 χ^2 /NDF: 17.7/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1663.563 $\pm$ 386.983 χ^2 /NDF: 33.9/17

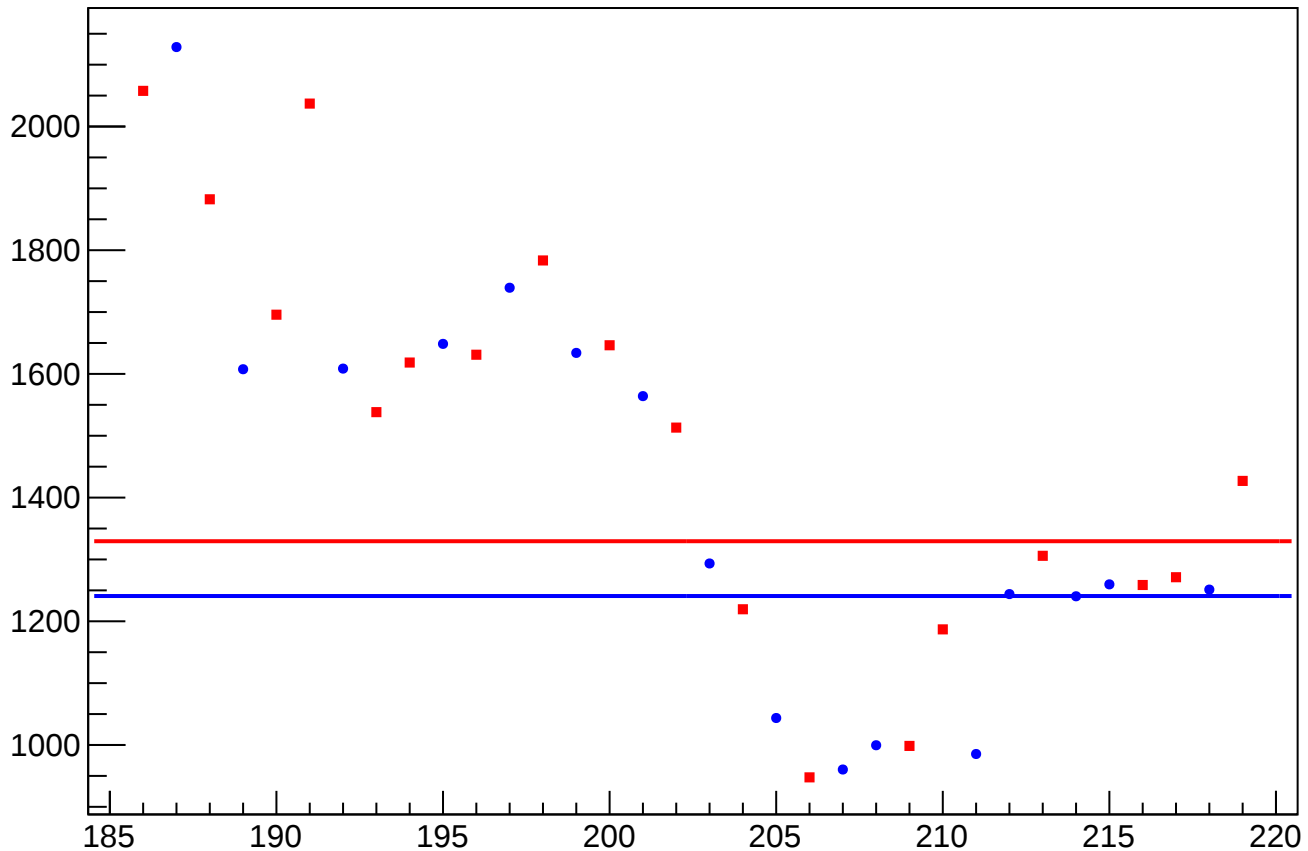
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1784.298 $\pm$ 268.949 χ^2 /NDF: 51.8/33

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1240.854+/-0.264 χ^2/NDF : 953746.5/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1329.469+/-0.274 χ^2/NDF : 1149213.0/17

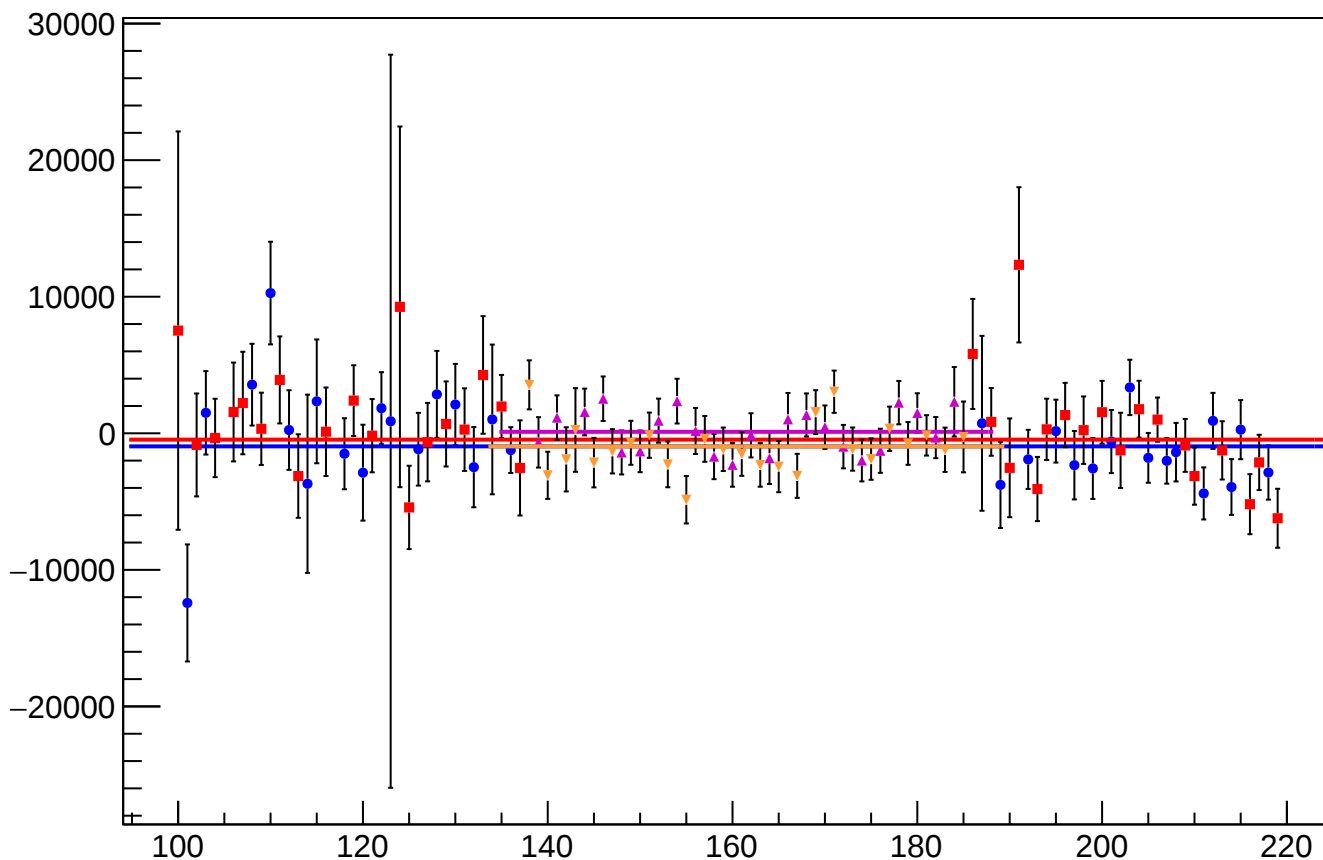
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1283.656+/-0.190 χ^2/NDF : 2157177.3/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -956.878 ± 439.447 χ^2/NDF : 39.1/32

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: -464.772 ± 437.931 χ^2/NDF : 39.4/36

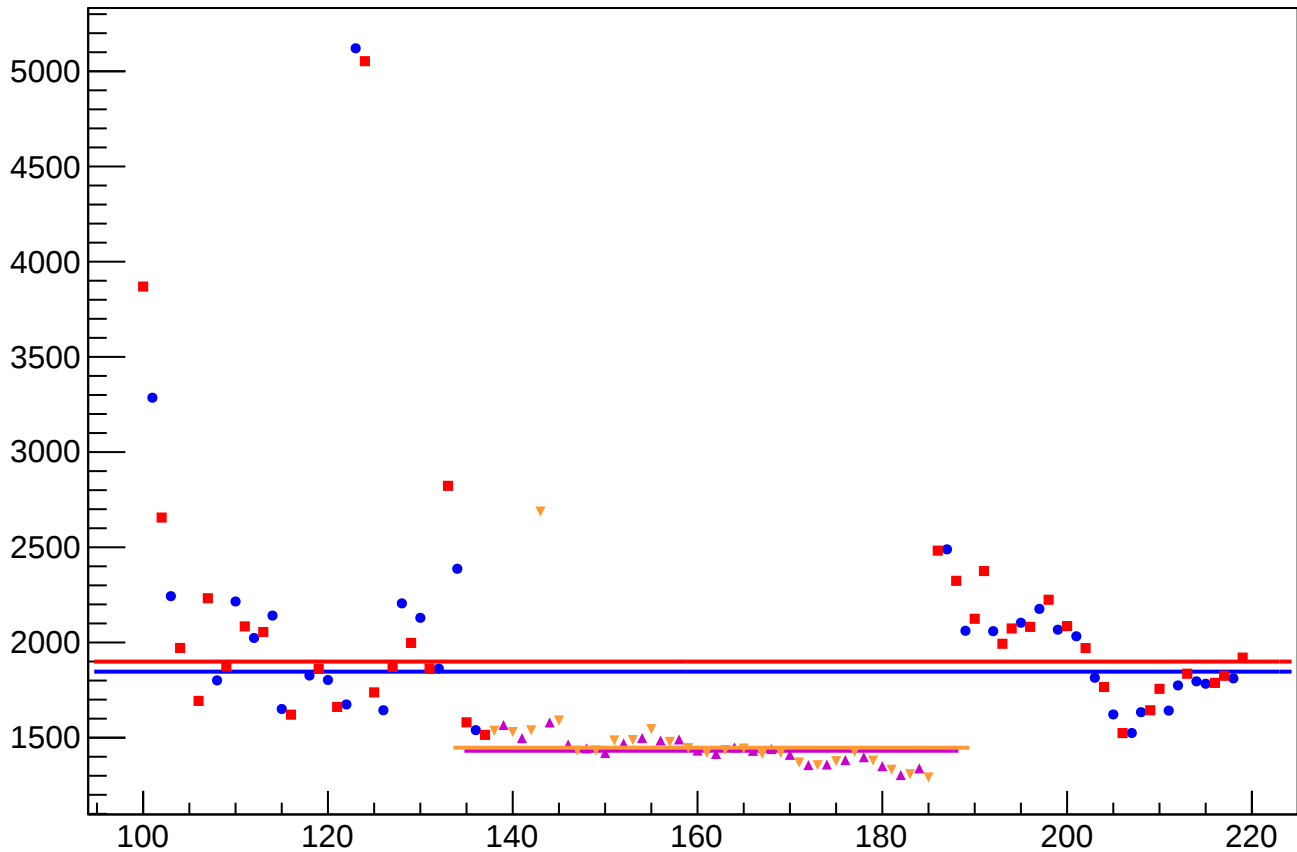
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -957.838 ± 268.661 χ^2/NDF : 67.6/57

All: -536.881 ± 190.568 χ^2/NDF : 132.5/117

- sign -110.596 ± 270.356 χ^2/NDF : 60.0/59

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1846.838 $\pm$ 0.311 χ^2 /NDF: 768869.4/32

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1899.760 $\pm$ 0.310 χ^2 /NDF: 828525.4/36

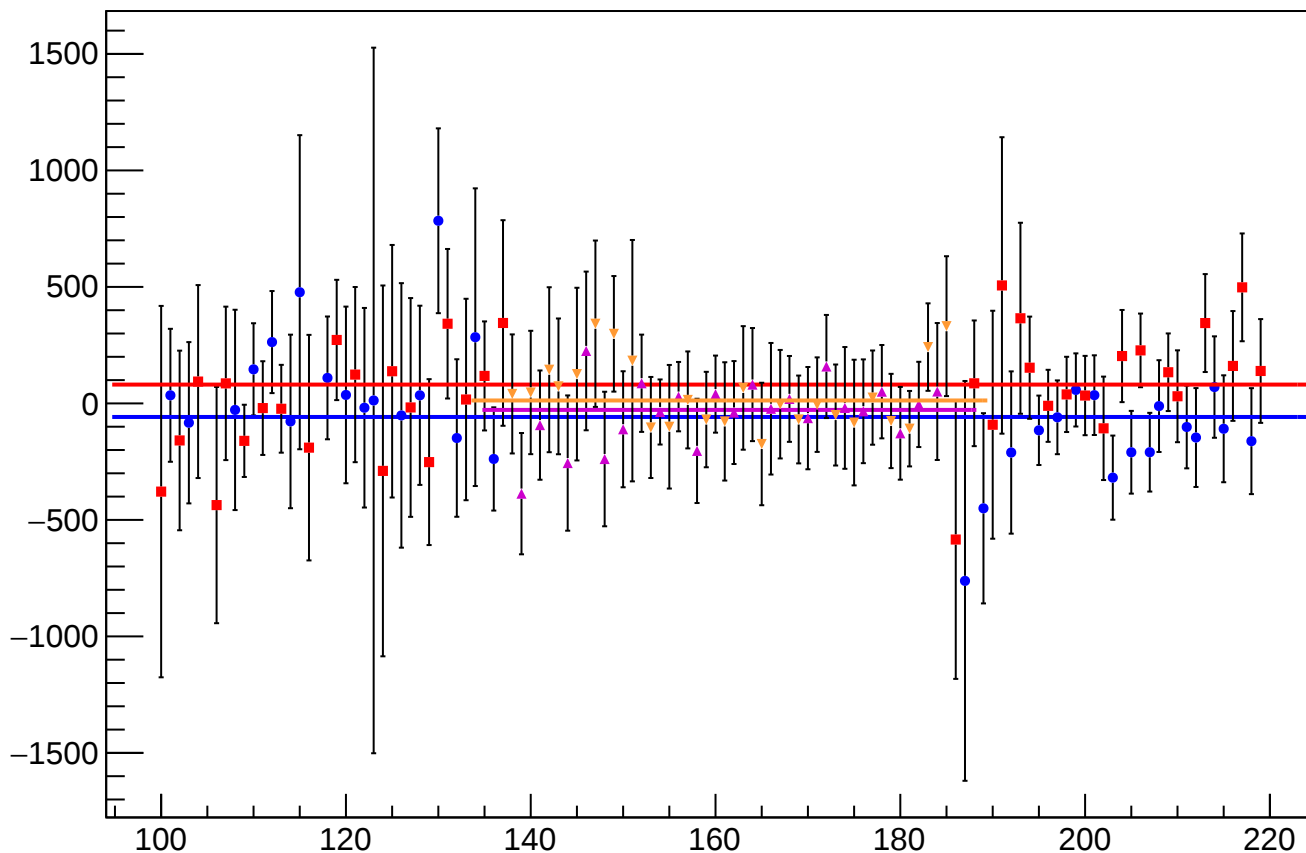
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1596.792 $\pm$ 0.190 χ^2 /NDF: 2222120.5/57

All: 1603.323 $\pm$ 0.135 χ^2 /NDF: 4543582.2/11

- sign 1609.937 $\pm$ 0.191 χ^2 /NDF: 2319082.7/59

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -58.199 $\pm$ 41.930 χ^2/NDF : 17.3/32

Left Out: 12.618 $\pm$ 47.486 χ^2/NDF : 7.7/24

Right Out: 80.794 $\pm$ 40.971 χ^2/NDF : 17.9/36

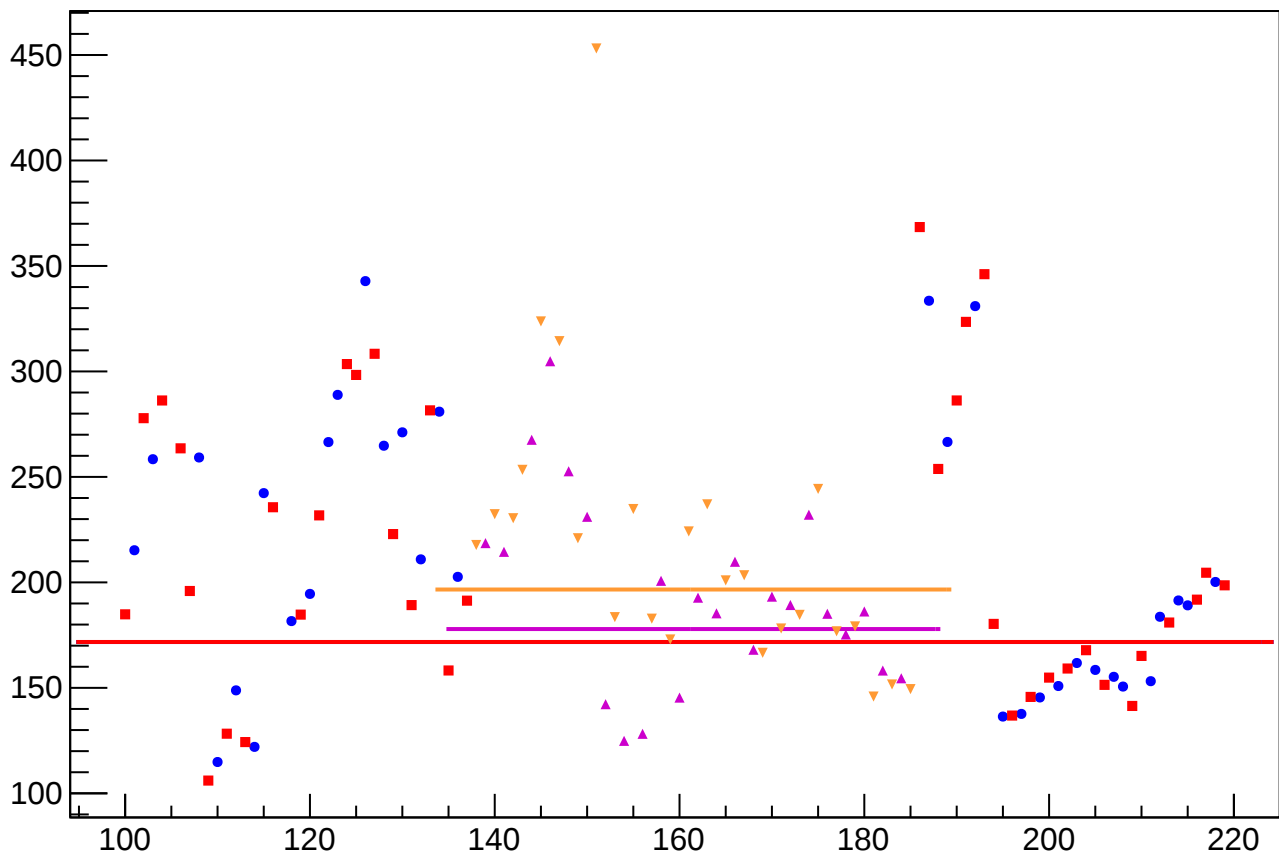
Left In: -27.921 $\pm$ 44.523 χ^2/NDF : 6.5/22

+ sign -27.173 $\pm$ 31.431 χ^2/NDF : 26.2/57

All: 3.096 $\pm$ 21.757 χ^2/NDF : 55.6/117

- sign 30.946 $\pm$ 30.149 χ^2/NDF : 27.6/59

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.724 $\pm$ 0.030 χ^2/NDF : 2202762.0/32

Left Out: 196.620 $\pm$ 0.034 χ^2/NDF : 1793507.9/24

Right Out: 171.751 $\pm$ 0.029 χ^2/NDF : 2931118.7/36

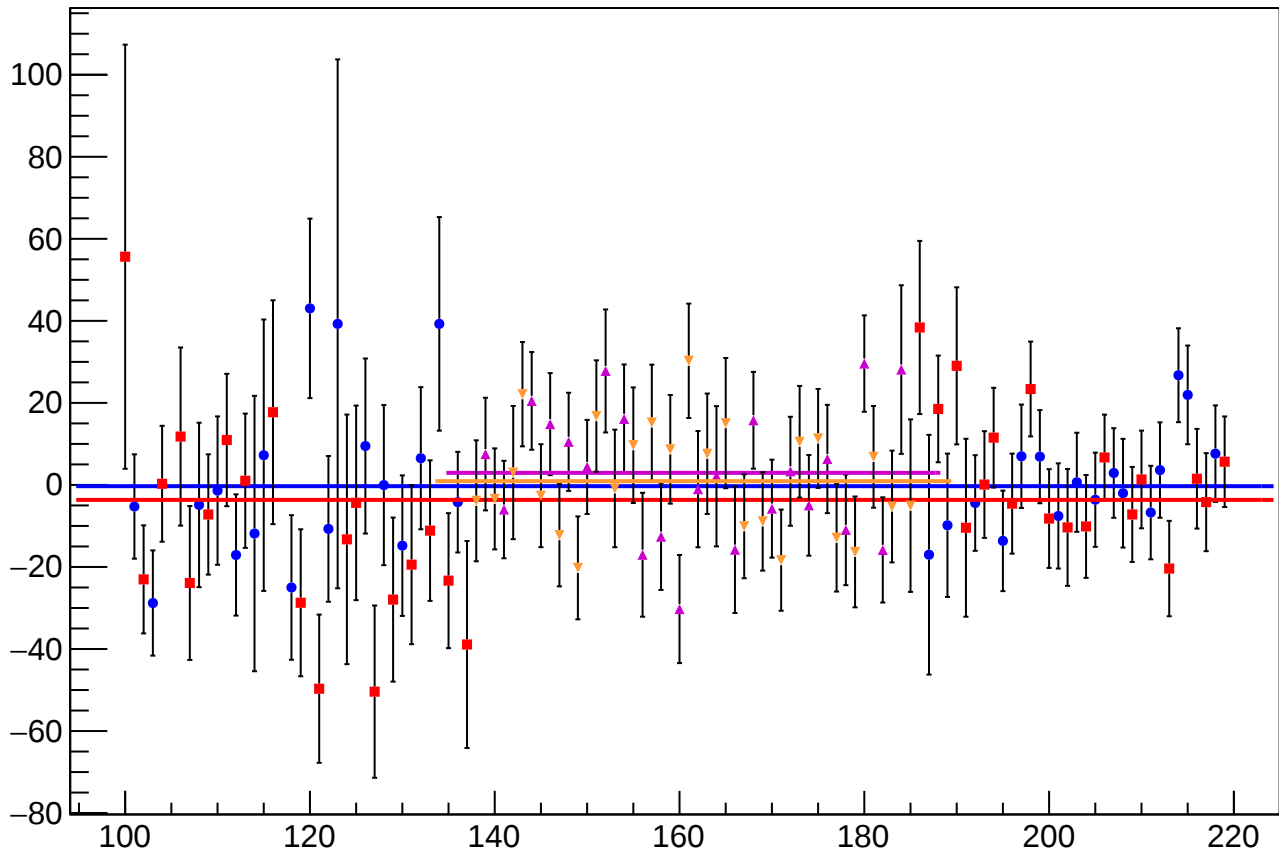
Left In: 177.878 $\pm$ 0.031 χ^2/NDF : 1644086.7/22

+ sign 182.631 $\pm$ 0.022 χ^2/NDF : 4305152.5/57

All: 178.428 $\pm$ 0.015 χ^2/NDF : 8969552.2/117

- sign 174.560 $\pm$ 0.021 χ^2/NDF : 4595714.4/59

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.302 $\pm$ 2.528 χ^2/NDF : 29.8/32

Left Out: 0.920 $\pm$ 2.696 χ^2/NDF : 24.0/24

Right Out: -3.643 $\pm$ 2.455 χ^2/NDF : 47.9/36

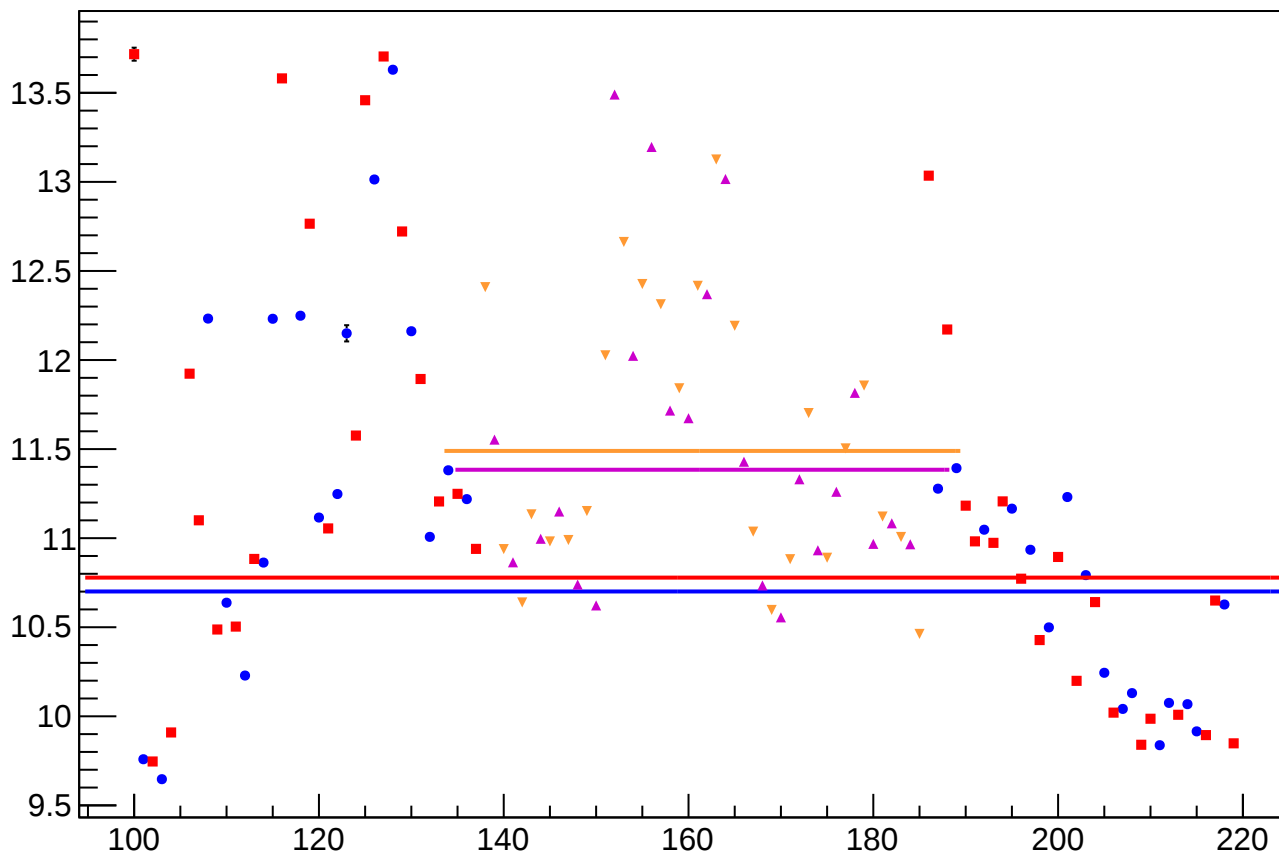
Left In: 2.941 $\pm$ 2.745 χ^2/NDF : 31.0/22

+ sign 0.269 $\pm$ 1.844 χ^2/NDF : 53.9/57

All: -0.227 $\pm$ 1.299 χ^2/NDF : 136.1/117

- sign -0.717 $\pm$ 1.830 χ^2/NDF : 82.1/59

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.701 $\pm$ 0.002 χ^2 /NDF: 209763.0/32

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 10.779 $\pm$ 0.002 χ^2 /NDF: 295894.3/36

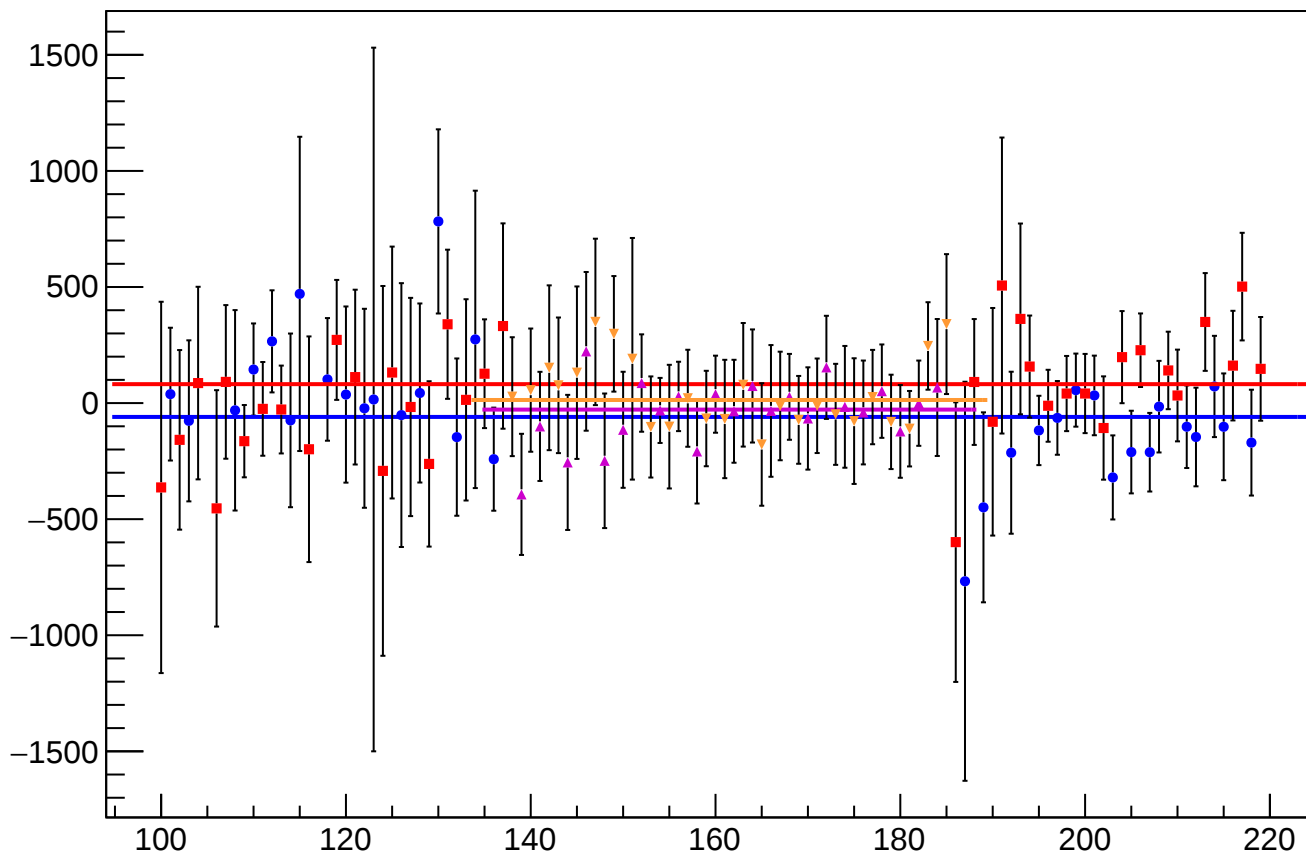
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.070 $\pm$ 0.001 χ^2 /NDF: 433322.9/57

All: 11.059 $\pm$ 0.001 χ^2 /NDF: 933238.1/117

- sign 11.048 $\pm$ 0.001 χ^2 /NDF: 499769.6/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -59.632 ± 42.031 χ^2/NDF : 17.3/32

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 81.555 ± 41.077 χ^2/NDF : 18.1/36

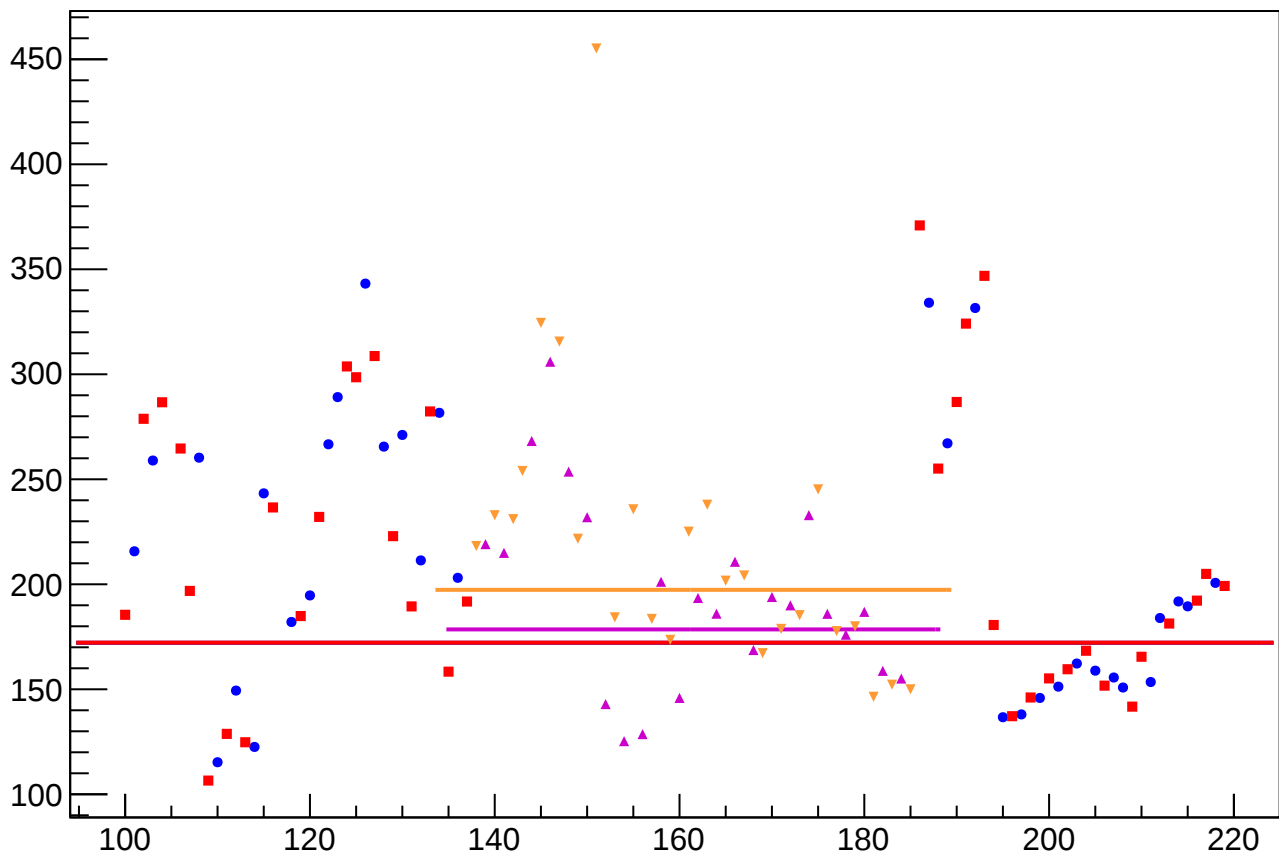
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -27.717 ± 31.524 χ^2/NDF : 26.5/57

All: 3.045 ± 21.823 χ^2/NDF : 56.3/117

- sign 31.351 ± 30.240 χ^2/NDF : 28.0/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 172.148 $\pm$ 0.030 χ^2 /NDF: 2197674.8/32

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 172.204 $\pm$ 0.029 χ^2 /NDF: 2927330.1/36

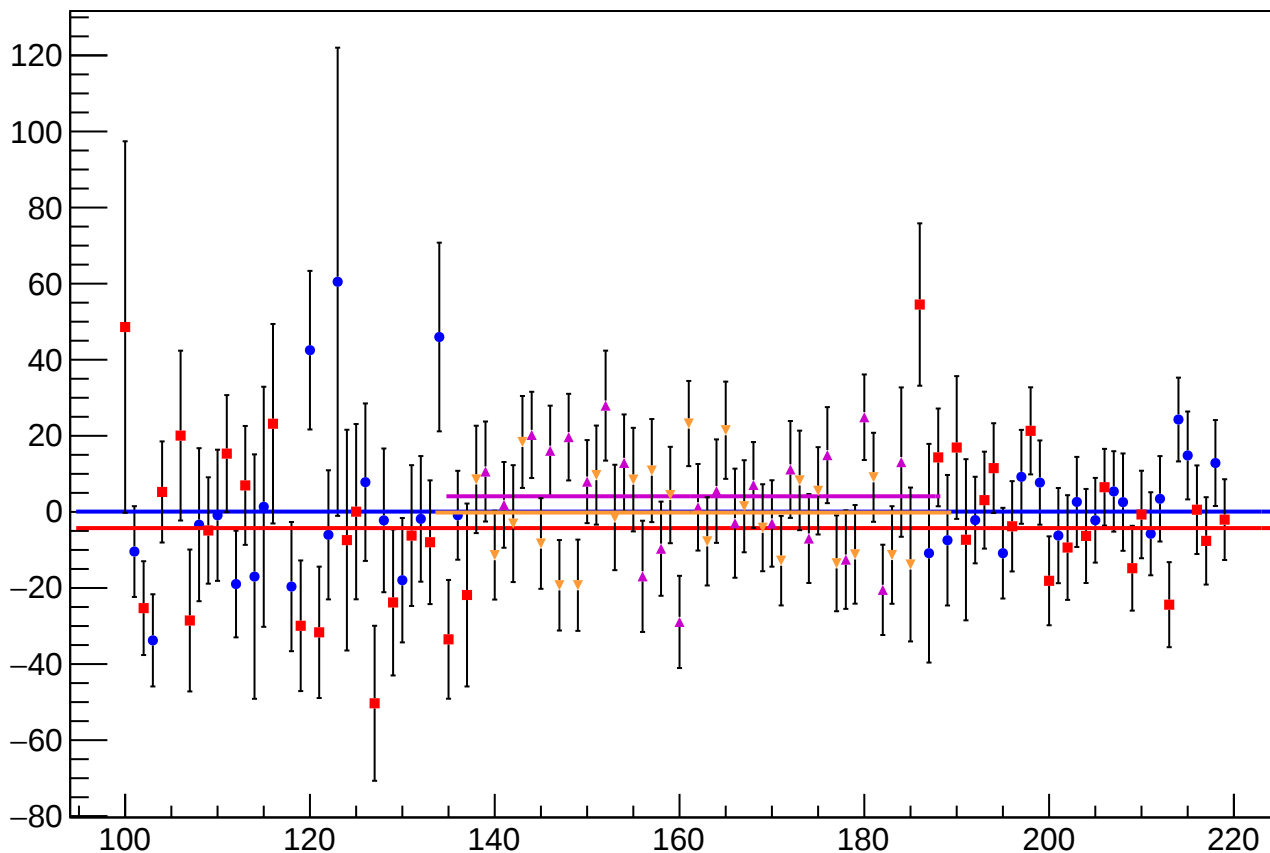
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 183.175 $\pm$ 0.022 χ^2 /NDF: 4303193.6/57

All: 178.966 $\pm$ 0.015 χ^2 /NDF: 8962897.3/117

- sign 175.093 $\pm$ 0.021 χ^2 /NDF: 4591241.8/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.080 $\pm$ 2.437 χ^2/NDF : 33.1/32

Left Out: -0.170 $\pm$ 2.520 χ^2/NDF : 24.4/24

Right Out: -4.258 $\pm$ 2.372 χ^2/NDF : 51.1/36

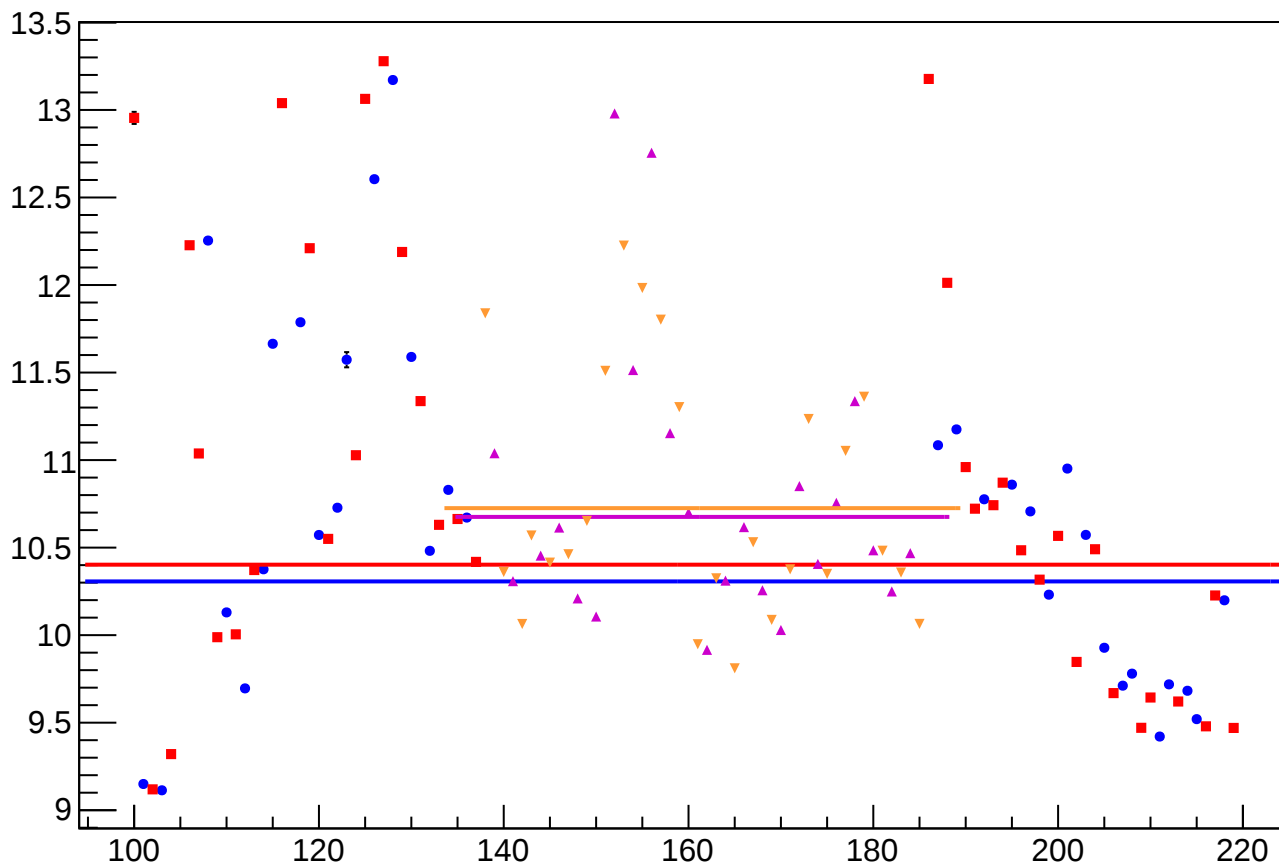
Left In: 4.107 $\pm$ 2.577 χ^2/NDF : 31.5/22

+ sign -0.041 $\pm$ 1.752 χ^2/NDF : 57.5/57

All: -0.232 $\pm$ 1.236 χ^2/NDF : 145.9/117

- sign -0.422 $\pm$ 1.745 χ^2/NDF : 88.3/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.307 $\pm$ 0.002 χ^2 /NDF: 237705.7/32

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.403 $\pm$ 0.002 χ^2 /NDF: 340056.4/36

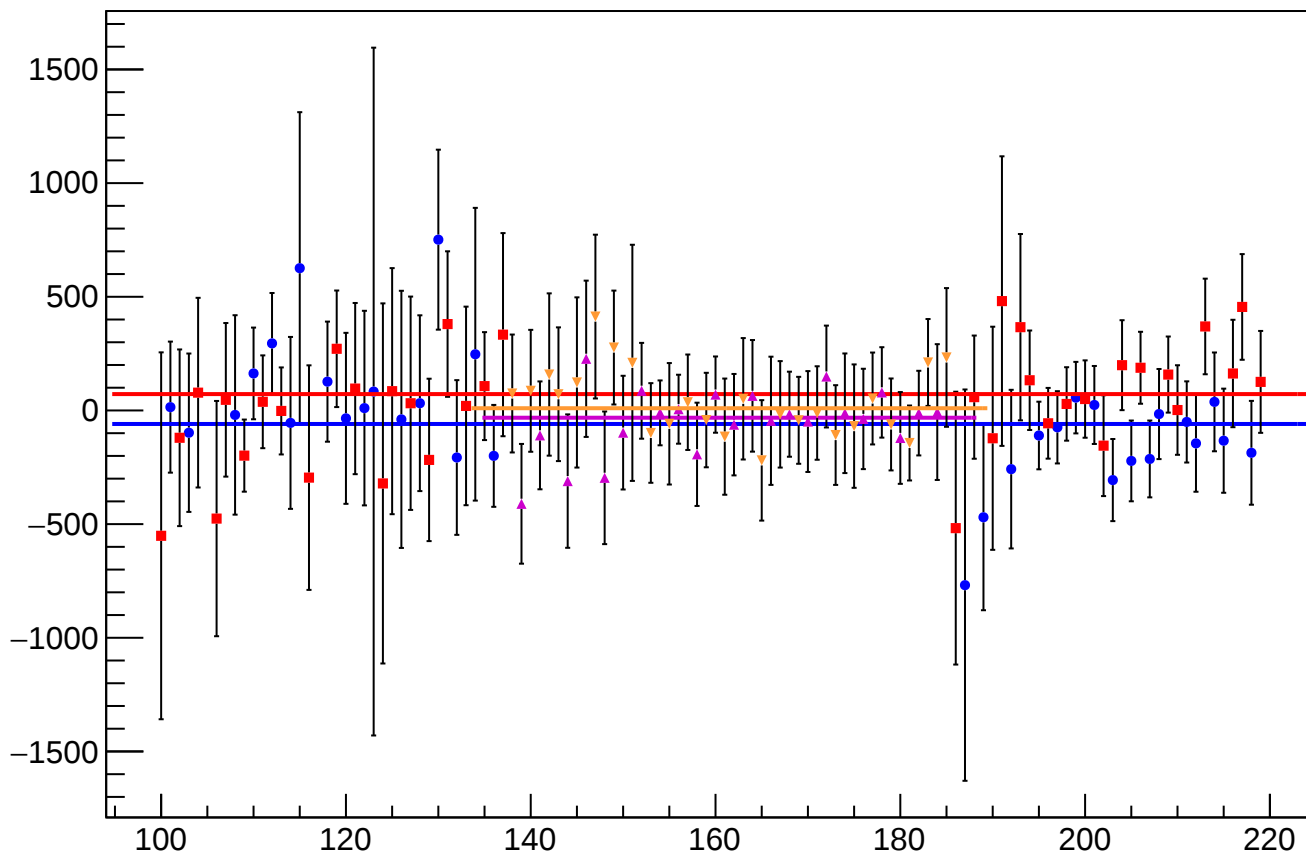
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.509 $\pm$ 0.001 χ^2 /NDF: 398387.6/57

All: 10.518 $\pm$ 0.001 χ^2 /NDF: 896635.0/117

- sign 10.528 $\pm$ 0.001 χ^2 /NDF: 498134.8/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -59.481 ± 42.091 χ^2/NDF : 17.7/32

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 71.977 ± 41.196 χ^2/NDF : 18.6/36

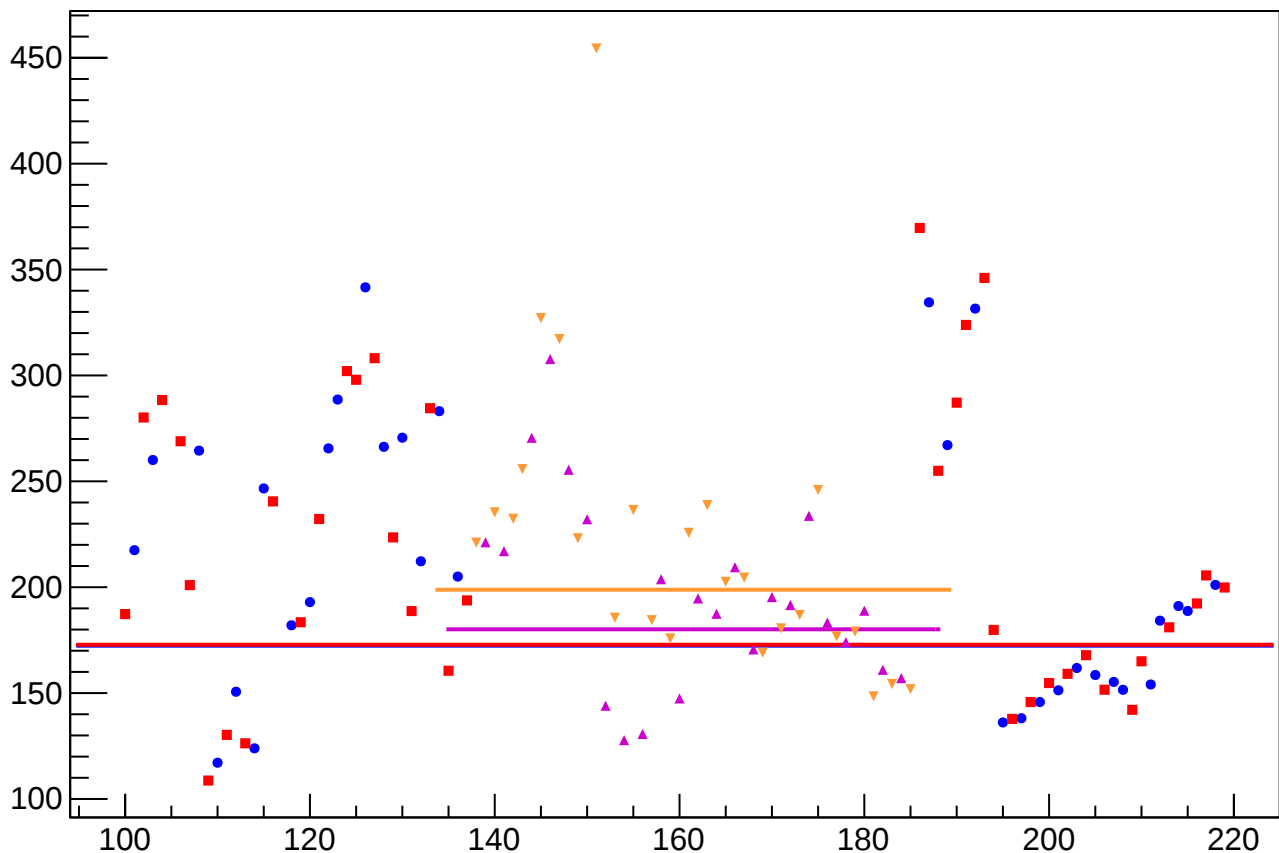
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -29.350 ± 31.641 χ^2/NDF : 26.4/57

All: -1.286 ± 21.921 χ^2/NDF : 56.7/117

- sign 24.617 ± 30.398 χ^2/NDF : 28.7/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.403 $\pm$ 0.030 χ^2 /NDF: 2193273.9/32

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 172.830 $\pm$ 0.029 χ^2 /NDF: 2885126.4/36

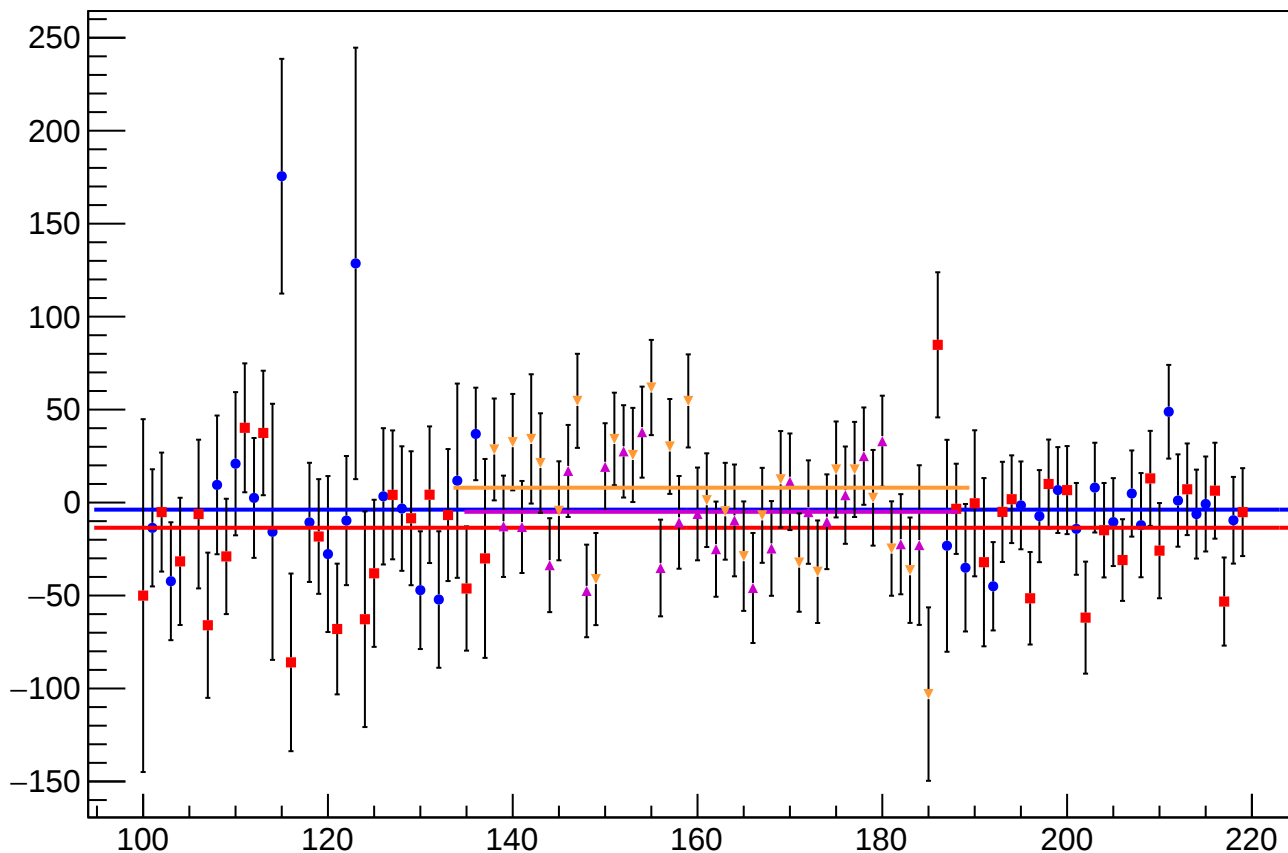
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 183.883 $\pm$ 0.022 χ^2 /NDF: 4298509.2/57

All: 179.863 $\pm$ 0.016 χ^2 /NDF: 8868122.2/117

- sign 176.152 $\pm$ 0.021 χ^2 /NDF: 4507521.8/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.808 $\pm$ 5.167 χ^2/NDF : 27.8/32

Left Out: 7.990 $\pm$ 5.327 χ^2/NDF : 37.4/24

Right Out: -13.550 $\pm$ 5.005 χ^2/NDF : 34.8/36

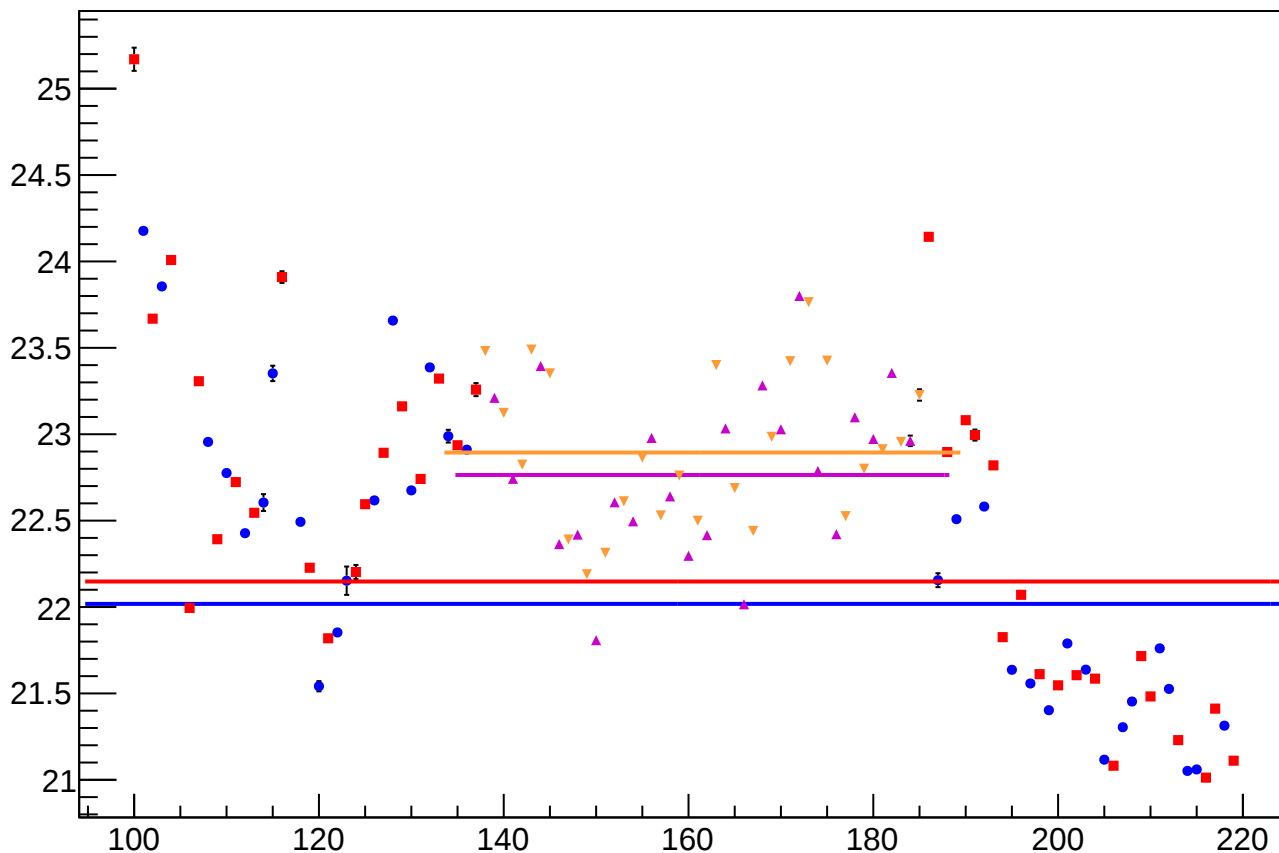
Left In: -4.973 $\pm$ 5.444 χ^2/NDF : 20.5/22

+ sign 1.911 $\pm$ 3.709 χ^2/NDF : 67.7/57

All: -3.893 $\pm$ 2.614 χ^2/NDF : 129.2/117

- sign -9.621 $\pm$ 3.685 χ^2/NDF : 56.6/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.018 $\pm$ 0.004 χ^2 /NDF: 51850.3/32

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.148 $\pm$ 0.004 χ^2 /NDF: 59143.7/36

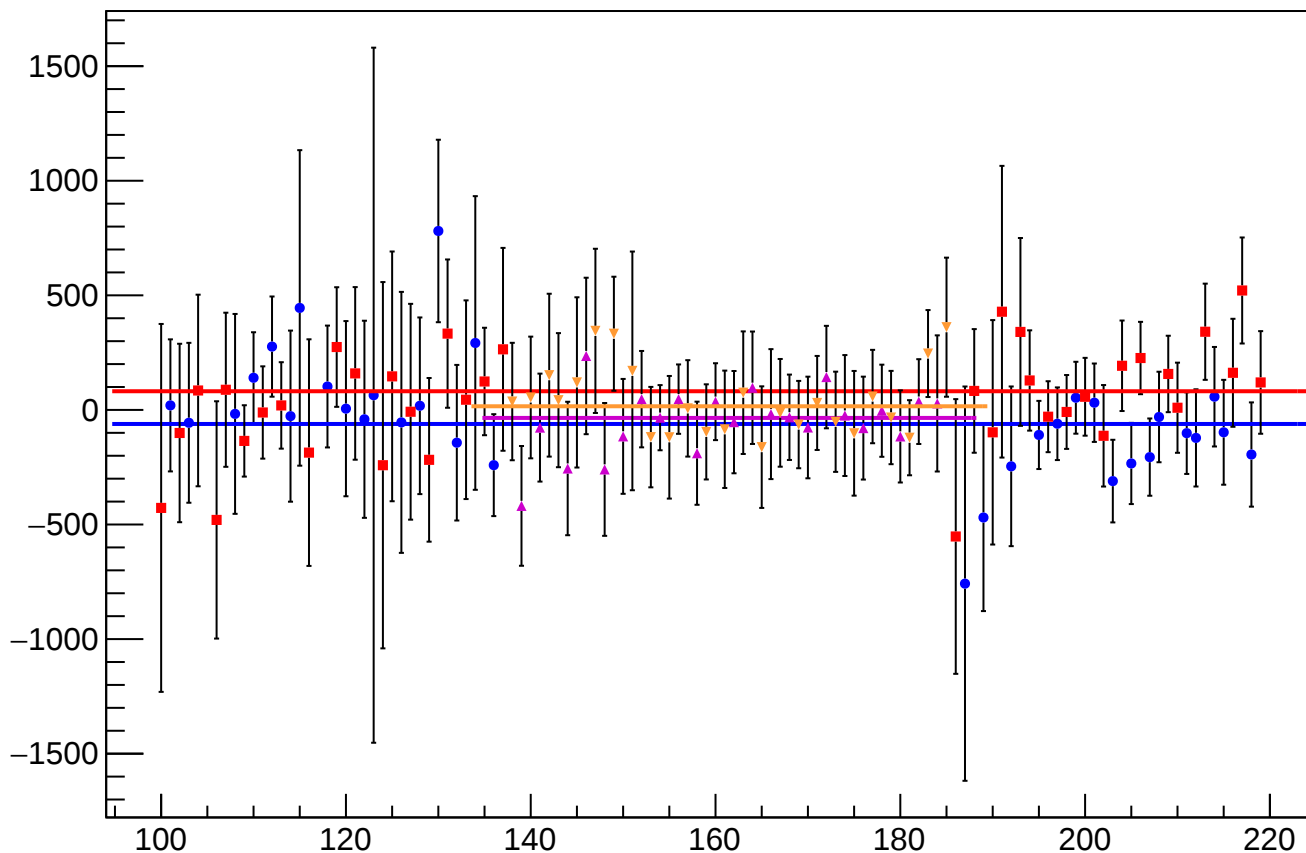
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.443 $\pm$ 0.003 χ^2 /NDF: 92782.1/57

All: 22.436 $\pm$ 0.002 χ^2 /NDF: 180504.2/117

- sign 22.430 $\pm$ 0.003 χ^2 /NDF: 87710.3/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -61.301 ± 41.972 $\chi^2/\text{NDF}: 17.3/32$

Left Out: 15.904 ± 47.898 $\chi^2/\text{NDF}: 8.4/24$

Right Out: 81.489 ± 41.028 $\chi^2/\text{NDF}: 17.1/36$

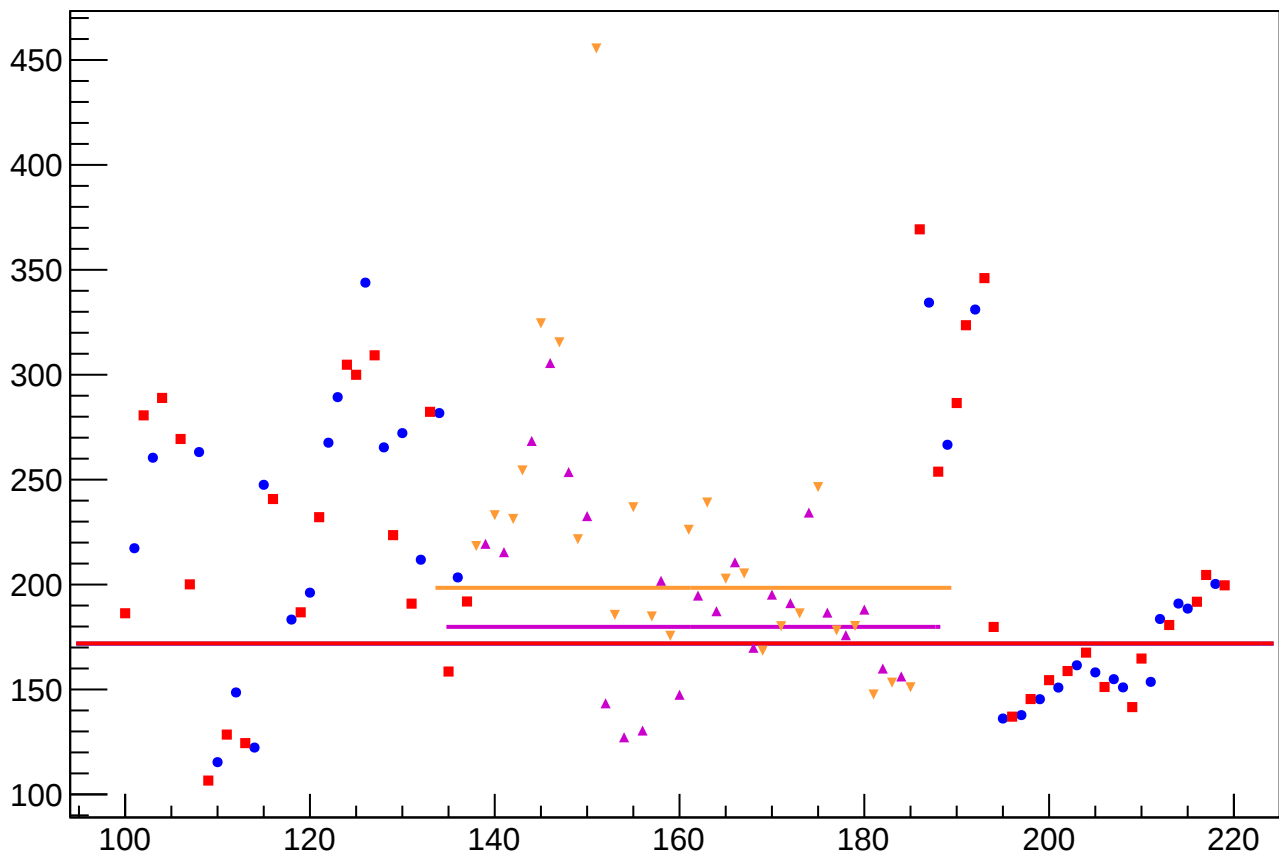
Left In: -34.919 ± 44.971 $\chi^2/\text{NDF}: 6.6/22$

+ sign -27.768 ± 31.567 $\chi^2/\text{NDF}: 27.2/57$

All: 1.566 ± 21.863 $\chi^2/\text{NDF}: 56.2/117$

- sign 28.610 ± 30.310 $\chi^2/\text{NDF}: 27.3/59$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.847 $\pm$ 0.030 χ^2 /NDF: 2224396.3/32

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF:1761433.9/24

Right Out: 171.949 $\pm$ 0.029 χ^2 /NDF: 2955723.7/36

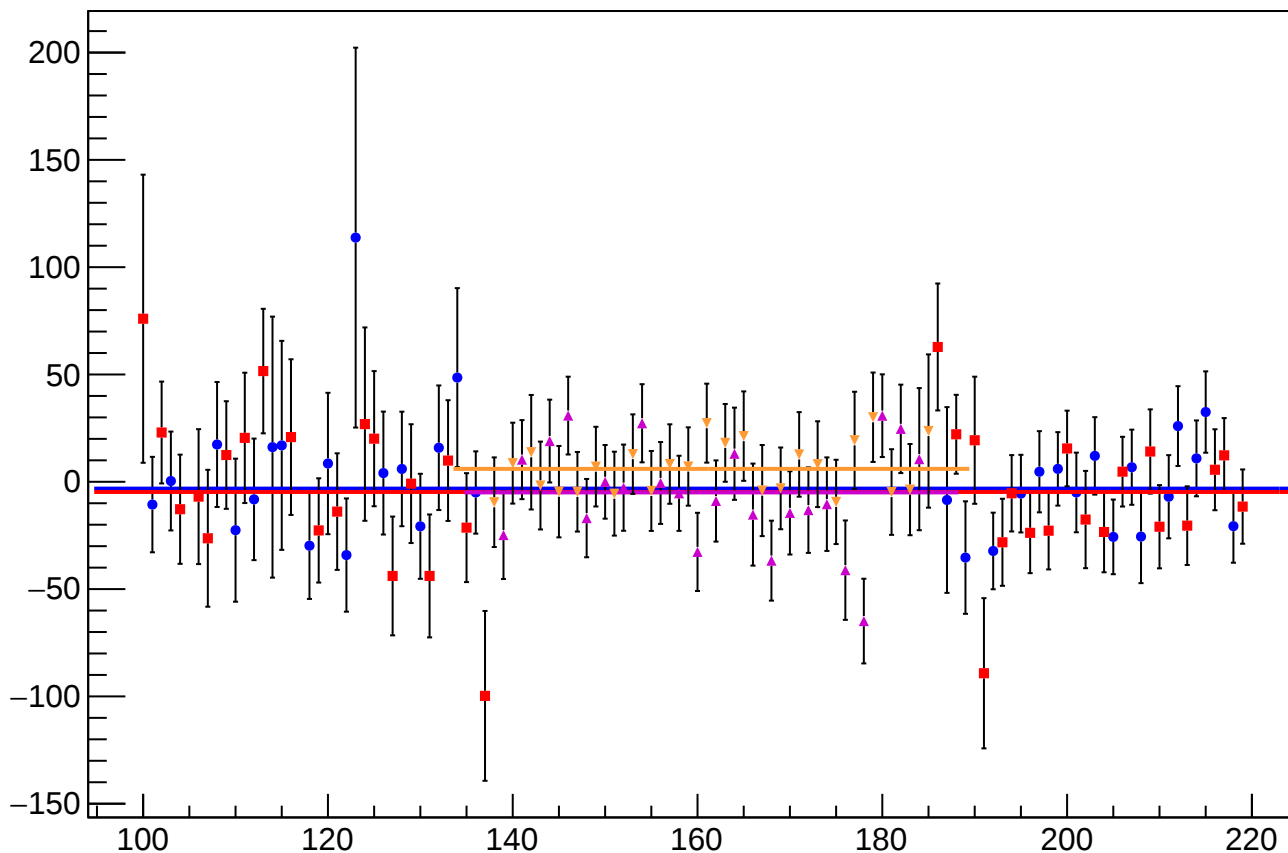
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 183.401 $\pm$ 0.022 χ^2 /NDF: 4334821.7/57

All: 179.307 $\pm$ 0.015 χ^2 /NDF: 8977629.0/117

- sign 175.533 $\pm$ 0.021 χ^2 /NDF: 4578156.0/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.183 ± 3.926 χ^2/NDF : 24.5/32

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -4.734 ± 3.806 χ^2/NDF : 44.9/36

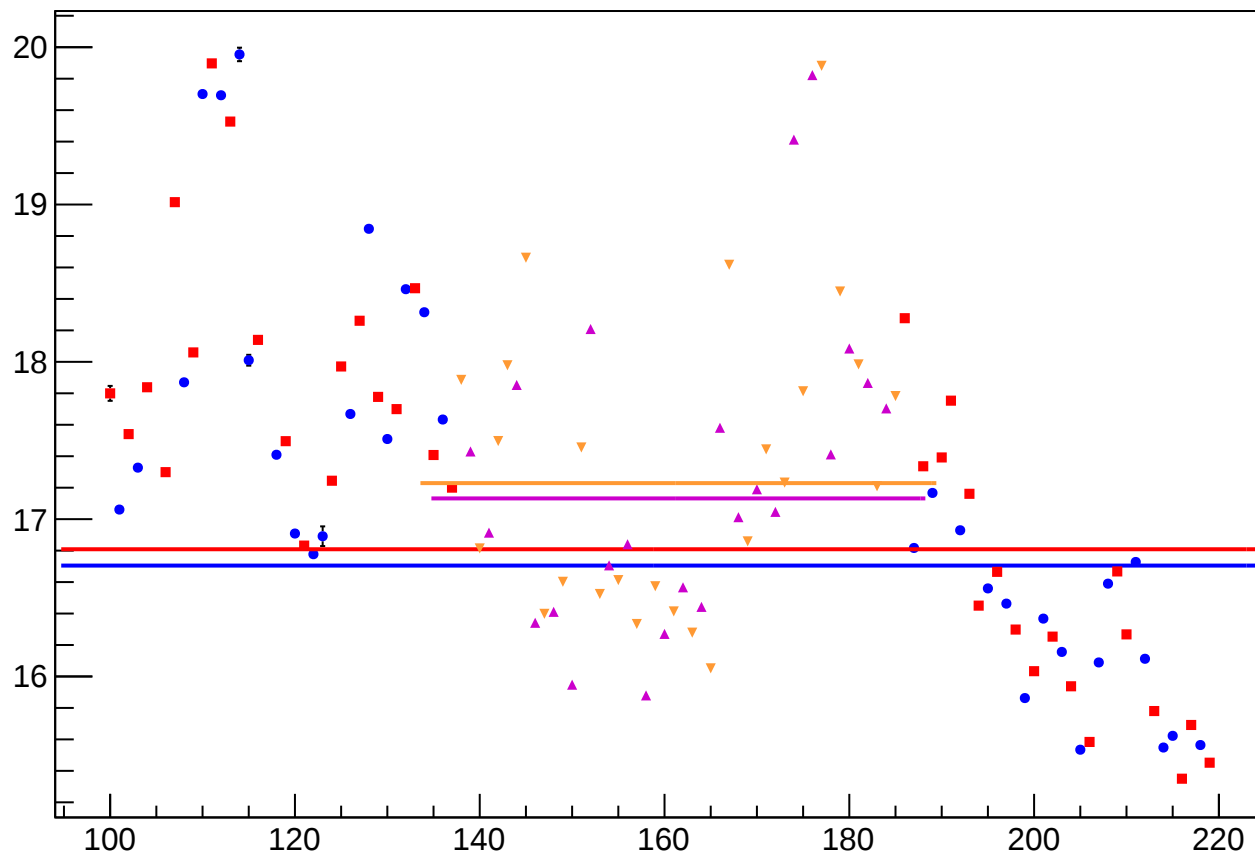
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.313 ± 2.808 χ^2/NDF : 35.3/57

All: -1.777 ± 1.980 χ^2/NDF : 117.5/117

- sign -4.831 ± 2.792 χ^2/NDF : 79.7/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.705 $\pm$ 0.003 χ^2 /NDF: 131255.8/32

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 16.809 $\pm$ 0.003 χ^2 /NDF: 157459.4/36

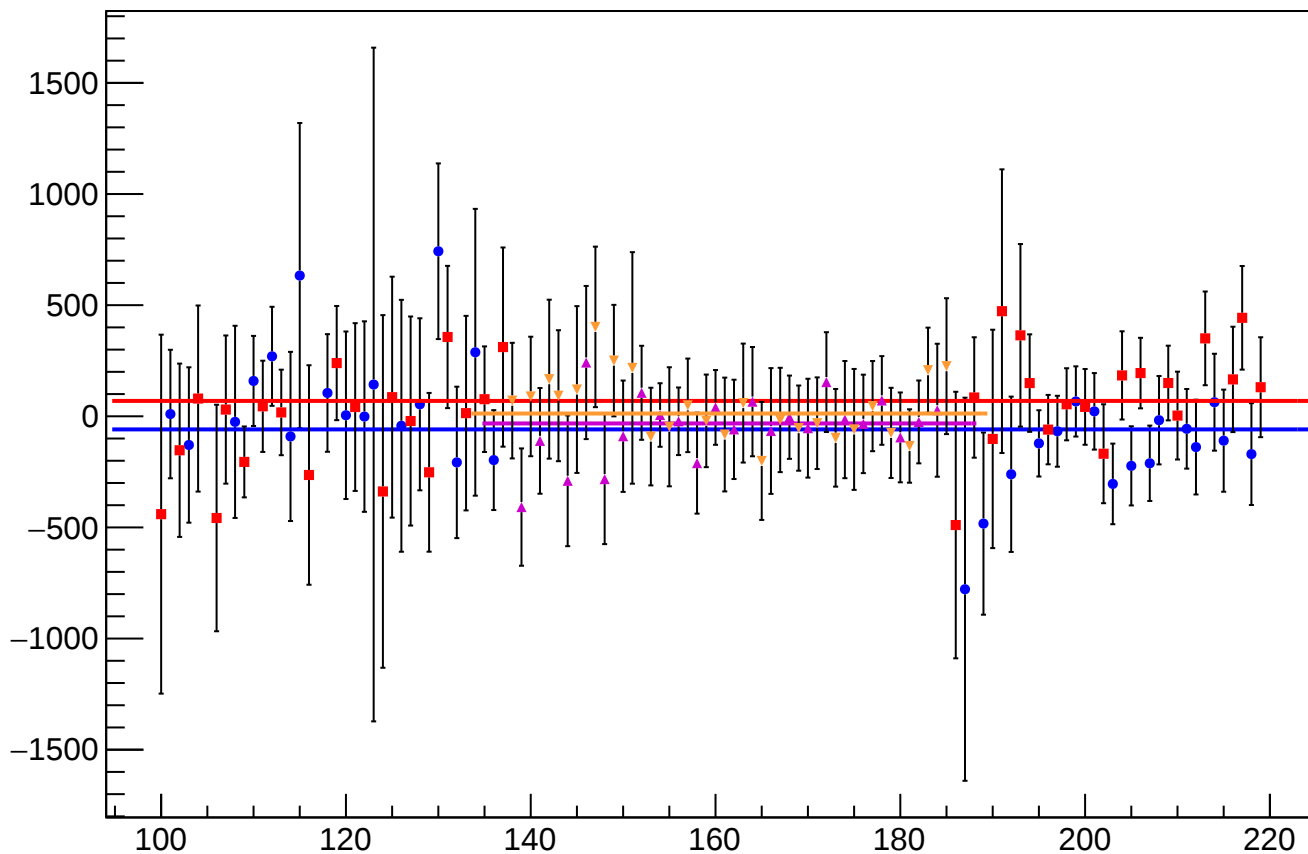
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 16.961 $\pm$ 0.002 χ^2 /NDF: 247299.1/57

All: 16.959 $\pm$ 0.001 χ^2 /NDF: 515417.9/117

- sign 16.958 $\pm$ 0.002 χ^2 /NDF: 268117.6/59

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -58.991 ± 42.217 χ^2/NDF : 17.4/32

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 69.210 ± 41.306 χ^2/NDF : 17.8/36

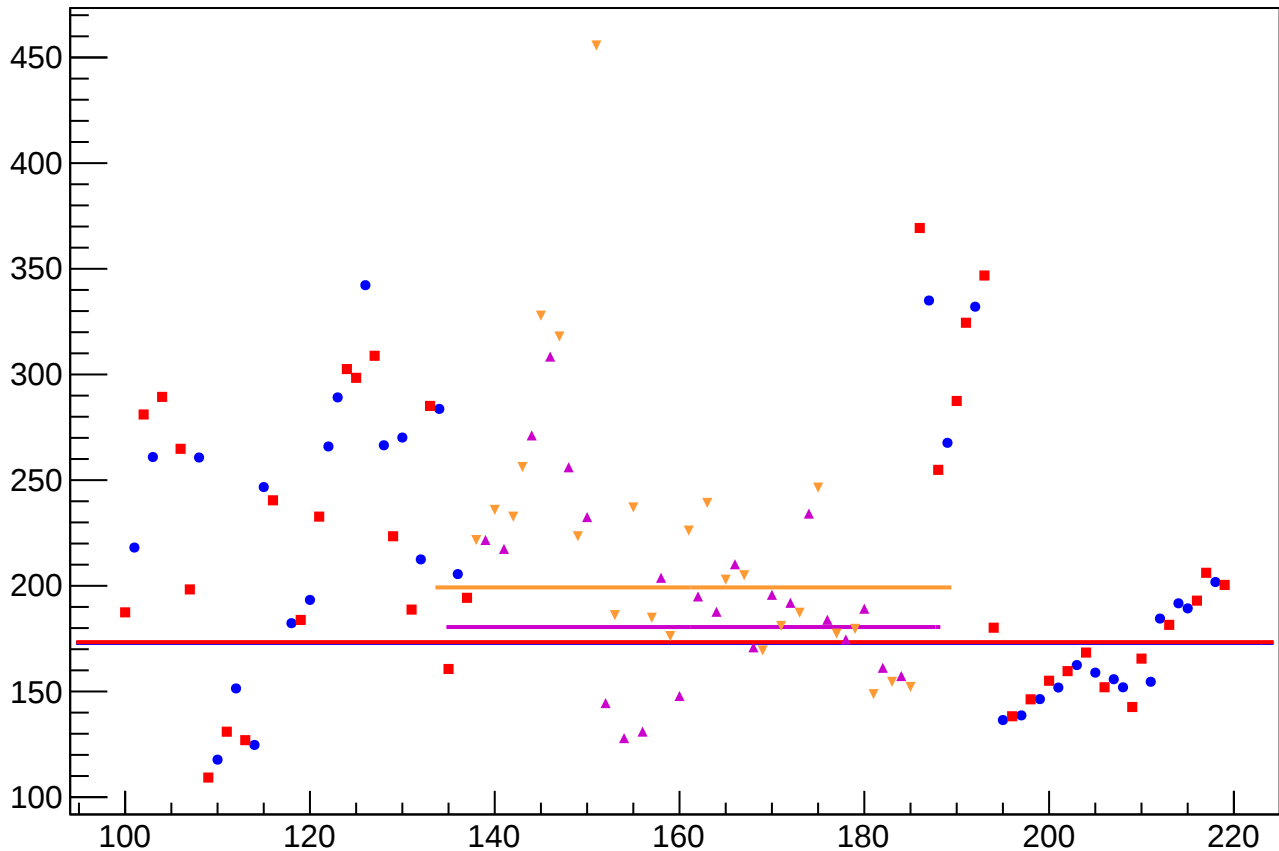
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign -27.884 ± 31.725 χ^2/NDF : 25.5/57

All: -1.415 ± 21.976 χ^2/NDF : 54.3/117

- sign 23.002 ± 30.471 χ^2/NDF : 27.5/59

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.967 $\pm$ 0.030 χ^2 /NDF: 2174930.0/32

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 173.351 $\pm$ 0.029 χ^2 /NDF: 2860450.0/36

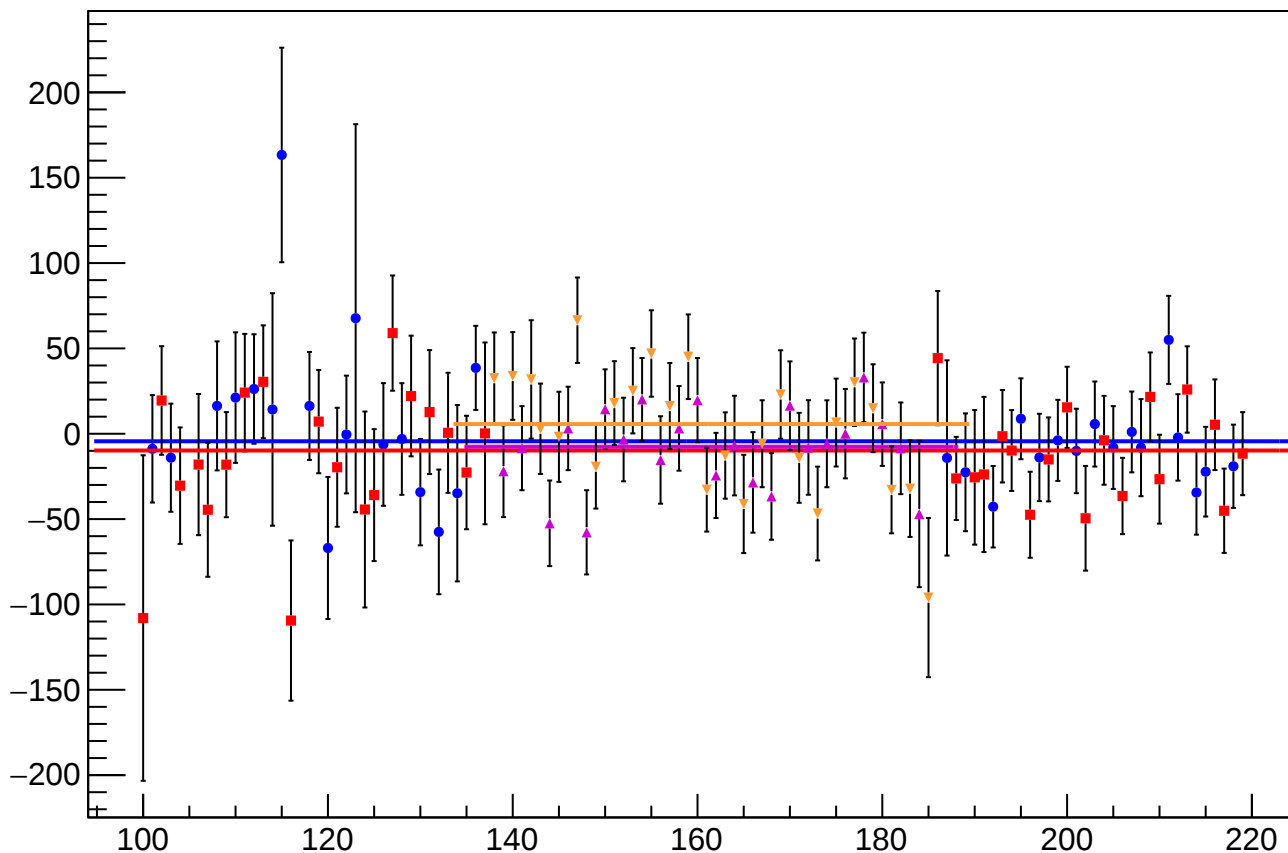
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 184.403 $\pm$ 0.022 χ^2 /NDF: 4276237.4/57

All: 180.348 $\pm$ 0.016 χ^2 /NDF: 8820562.5/117

- sign 176.607 $\pm$ 0.022 χ^2 /NDF: 4481495.7/59

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.409 ± 5.226 χ^2/NDF : 29.8/32

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -9.807 ± 5.048 χ^2/NDF : 32.5/36

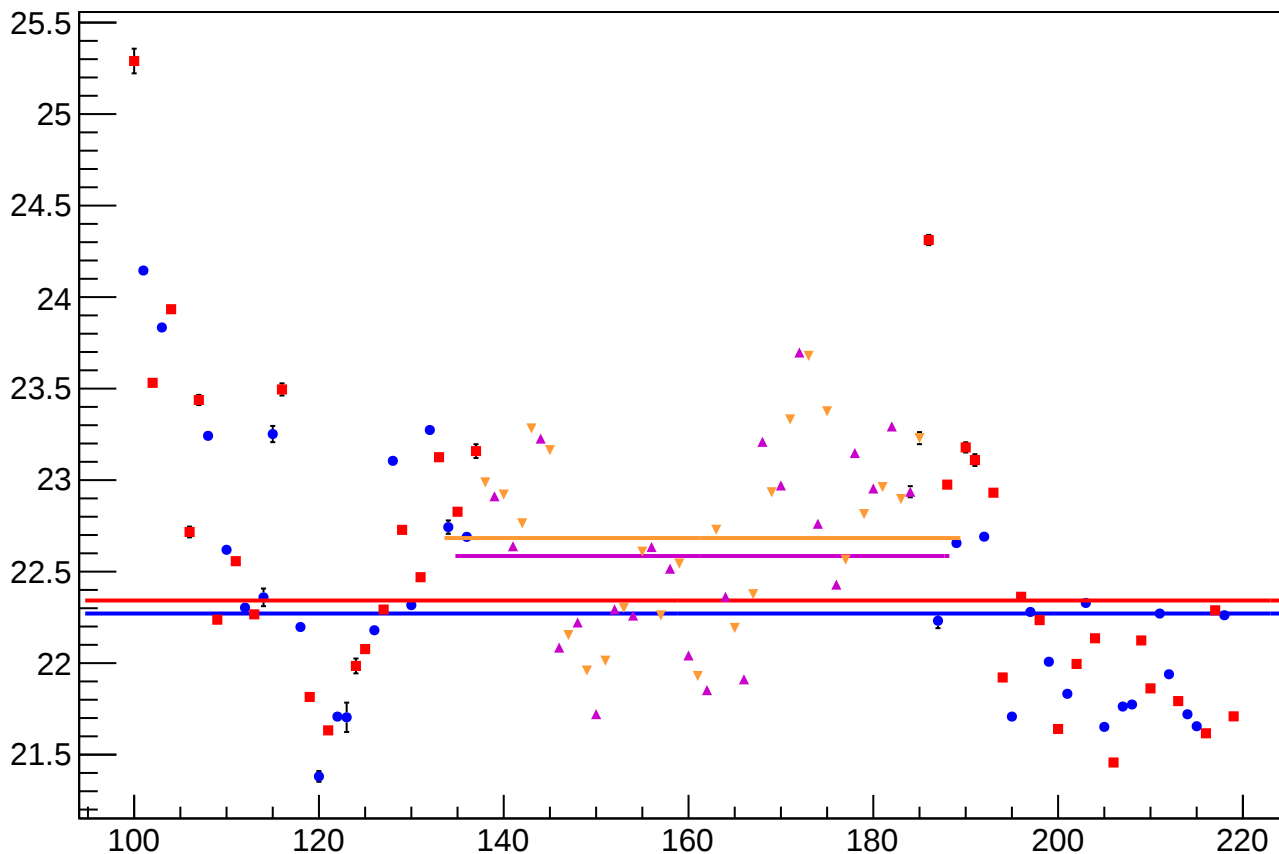
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 0.582 ± 3.713 χ^2/NDF : 68.0/57

All: -4.129 ± 2.617 χ^2/NDF : 122.0/117

- sign -8.775 ± 3.688 χ^2/NDF : 50.8/59

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.271 $\pm$ 0.004 χ^2 /NDF: 27182.6/32

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16318.1/24

Right Out: 22.342 $\pm$ 0.004 χ^2 /NDF: 35201.2/36

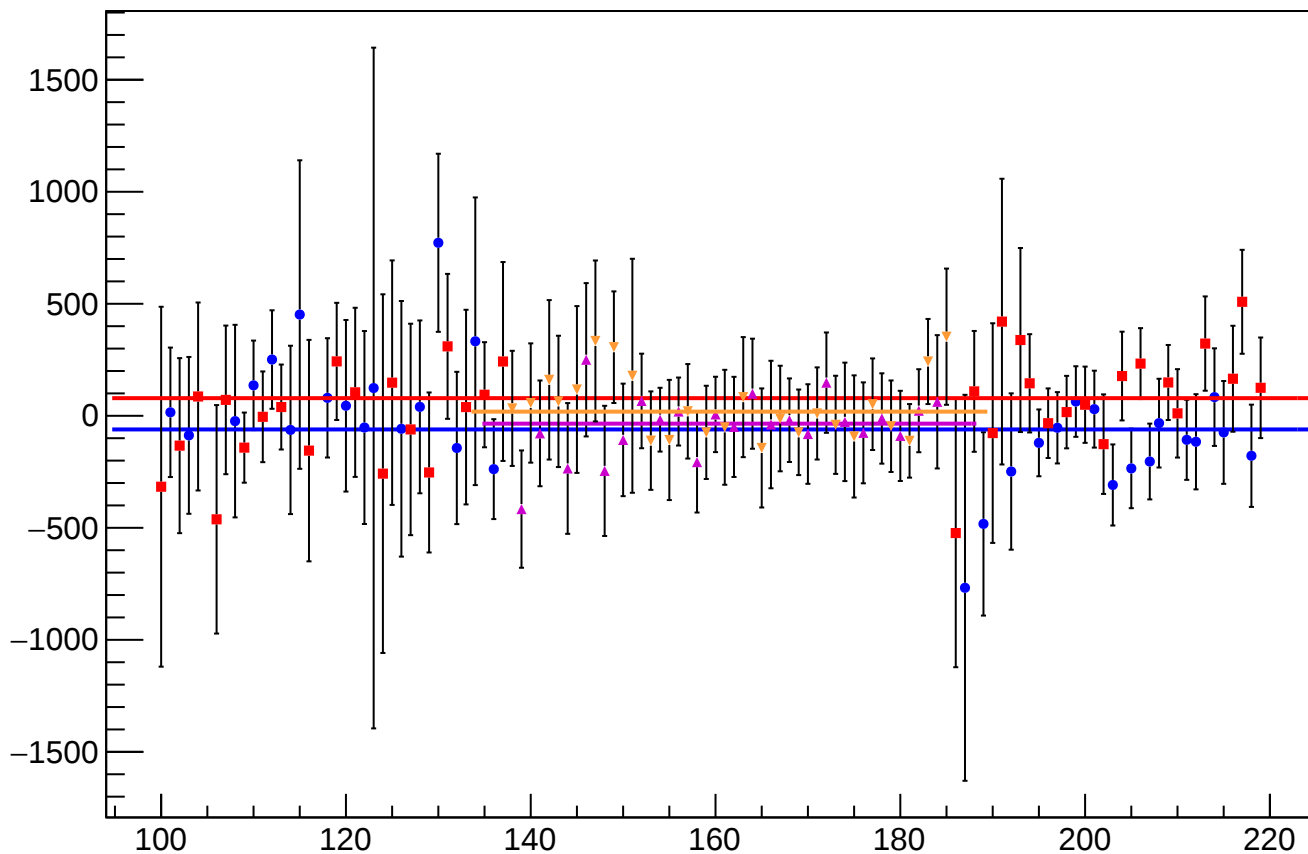
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF:18087.5/22

+ sign 22.475 $\pm$ 0.003 χ^2 /NDF: 49666.3/57

All: 22.465 $\pm$ 0.002 χ^2 /NDF: 105144.9/117

- sign 22.456 $\pm$ 0.003 χ^2 /NDF: 55450.3/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -60.879 ± 42.099 χ^2/NDF : 17.0/32

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 78.767 ± 41.140 χ^2/NDF : 16.2/36

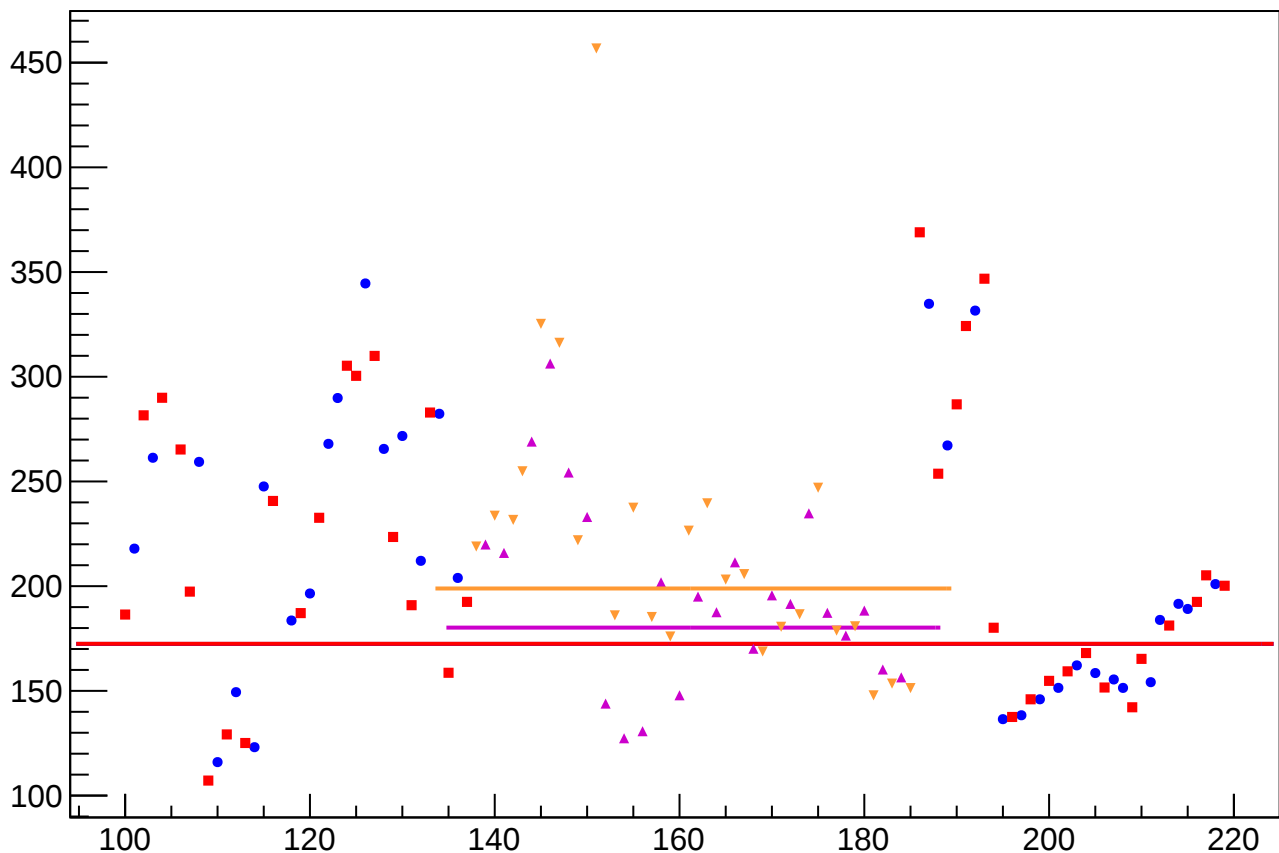
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -26.313 ± 31.652 χ^2/NDF : 26.2/57

All: 1.449 ± 21.919 χ^2/NDF : 53.6/117

- sign 27.030 ± 30.383 χ^2/NDF : 26.0/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.415 $\pm$ 0.030 χ^2 /NDF: 2205451.6/32

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 172.476 $\pm$ 0.029 χ^2 /NDF: 2930093.5/36

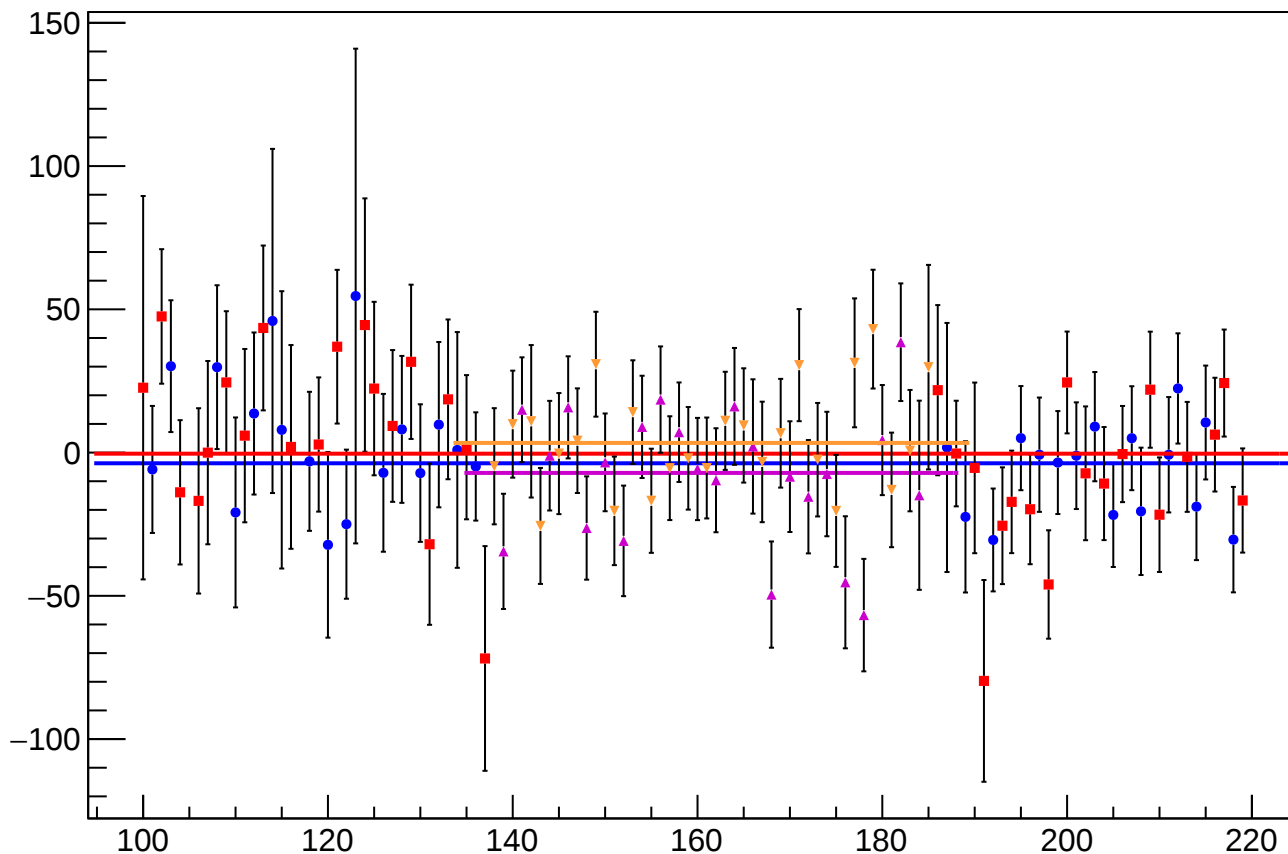
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 183.924 $\pm$ 0.022 χ^2 /NDF: 4311779.8/57

All: 179.795 $\pm$ 0.015 χ^2 /NDF: 8928393.6/117

- sign 175.990 $\pm$ 0.021 χ^2 /NDF: 4551208.6/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.733 ± 4.003 χ^2/NDF : 17.7/32

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -0.384 ± 3.866 χ^2/NDF : 40.6/36

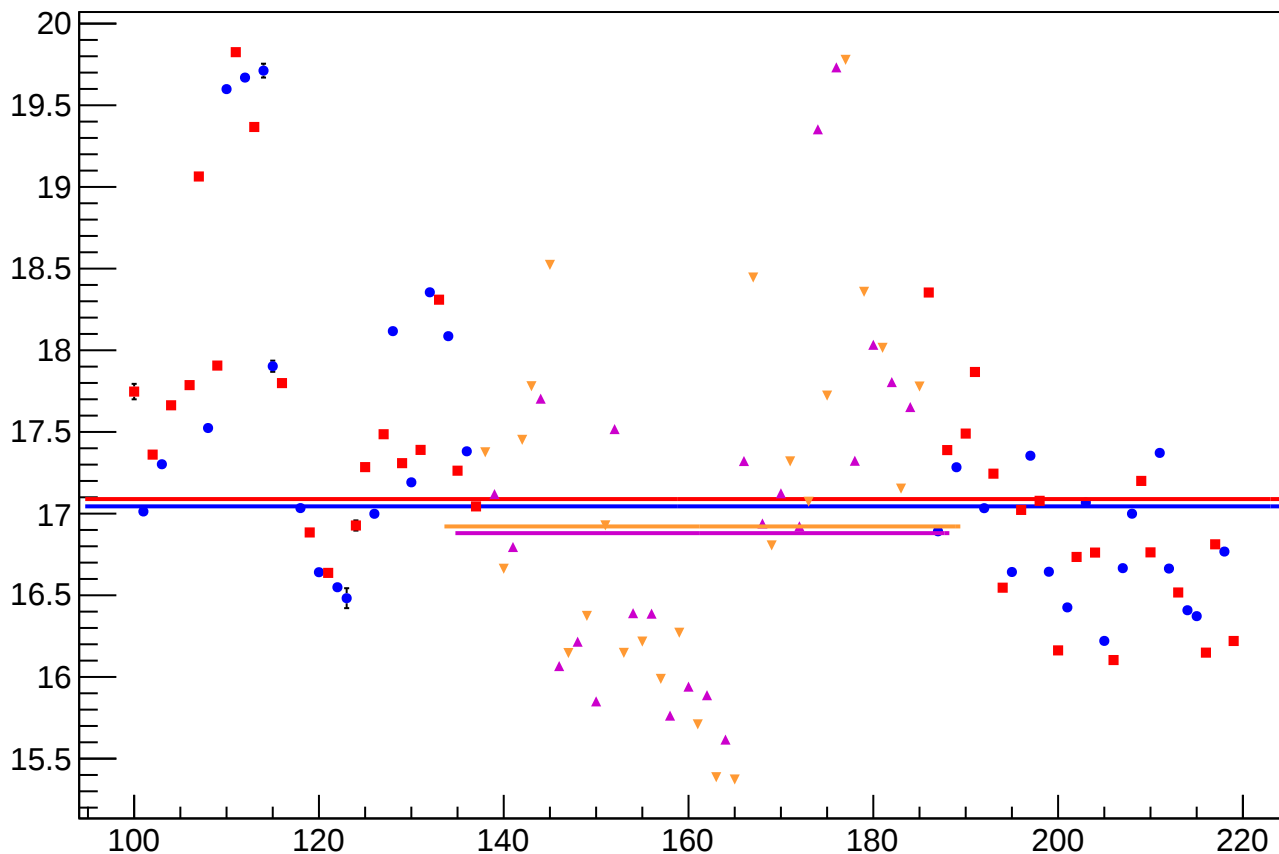
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign -0.130 ± 2.811 χ^2/NDF : 38.1/57

All: -1.868 ± 1.982 χ^2/NDF : 113.4/117

- sign -3.587 ± 2.796 χ^2/NDF : 74.6/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.044 ± 0.003 $\chi^2/\text{NDF}: 61459.0/32$

Left Out: 16.921 ± 0.003 $\chi^2/\text{NDF}: 138990.4/24$

Right Out: 17.089 ± 0.003 $\chi^2/\text{NDF}: 80169.7/36$

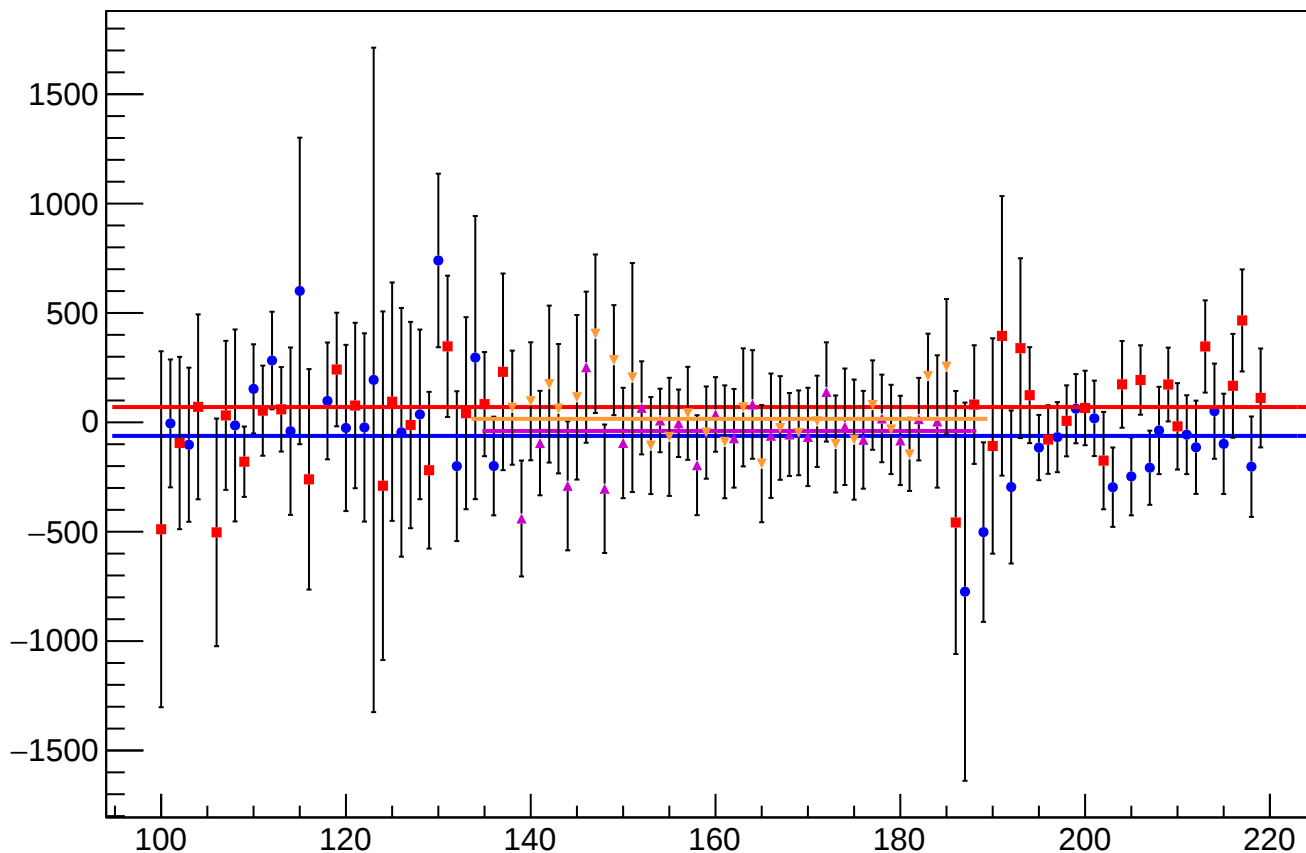
Left In: 16.880 ± 0.003 $\chi^2/\text{NDF}: 121736.1/22$

+ sign 16.982 ± 0.002 $\chi^2/\text{NDF}: 201407.0/57$

All: 16.986 ± 0.001 $\chi^2/\text{NDF}: 406099.5/117$

- sign 16.990 ± 0.002 $\chi^2/\text{NDF}: 204685.4/59$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -61.981 $\pm$ 42.325 χ^2/NDF : 17.3/32

Left Out: 15.970 $\pm$ 48.503 χ^2/NDF : 7.4/24

Right Out: 69.838 $\pm$ 41.436 χ^2/NDF : 17.1/36

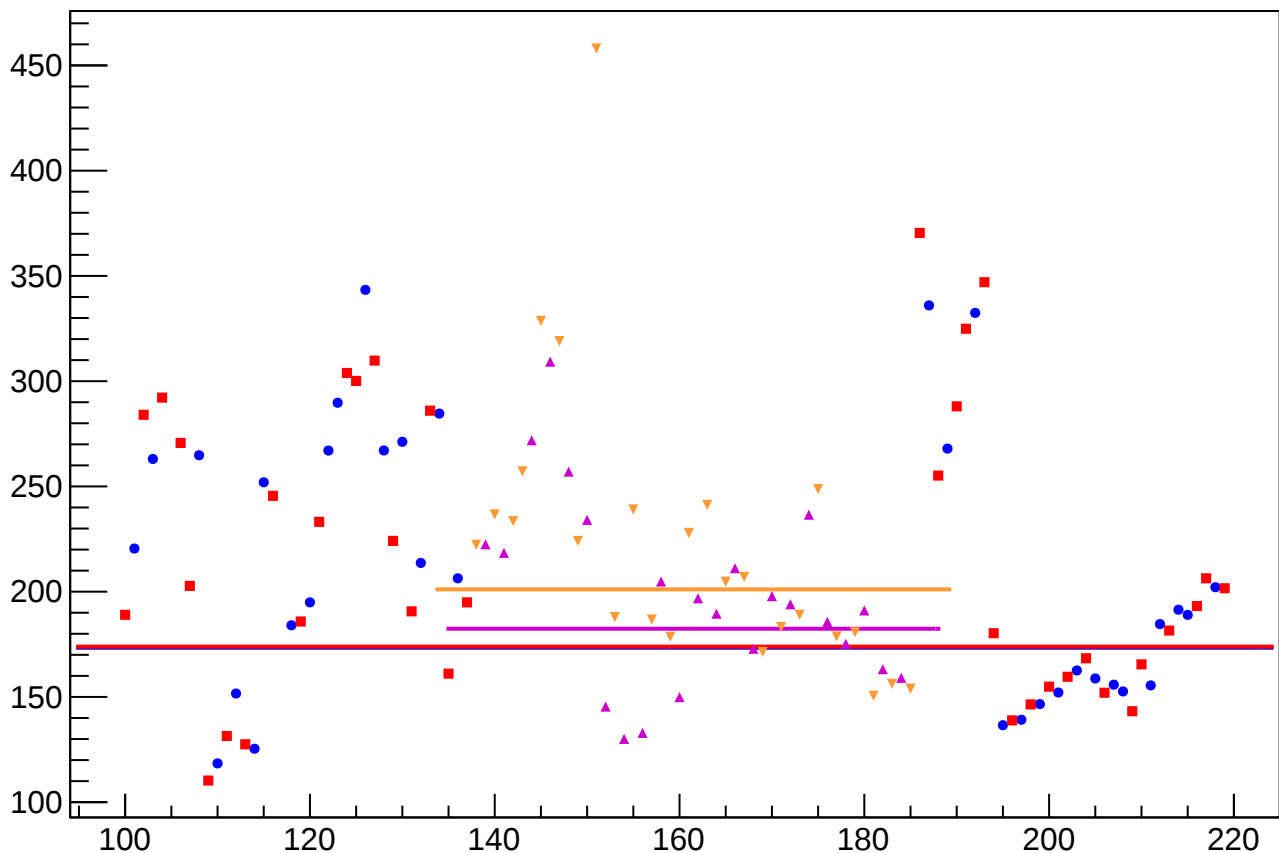
Left In: -39.377 $\pm$ 45.571 χ^2/NDF : 6.9/22

+ sign -28.284 $\pm$ 31.890 χ^2/NDF : 26.2/57

All: -2.978 $\pm$ 22.101 χ^2/NDF : 54.5/117

- sign 20.409 $\pm$ 30.658 χ^2/NDF : 27.1/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.390+/-0.030 χ^2/NDF : 2187003.7/32

Left Out: 201.091+/-0.034 χ^2/NDF :1731069.1/24

Right Out: 173.897+/-0.029 χ^2/NDF : 2870249.6/36

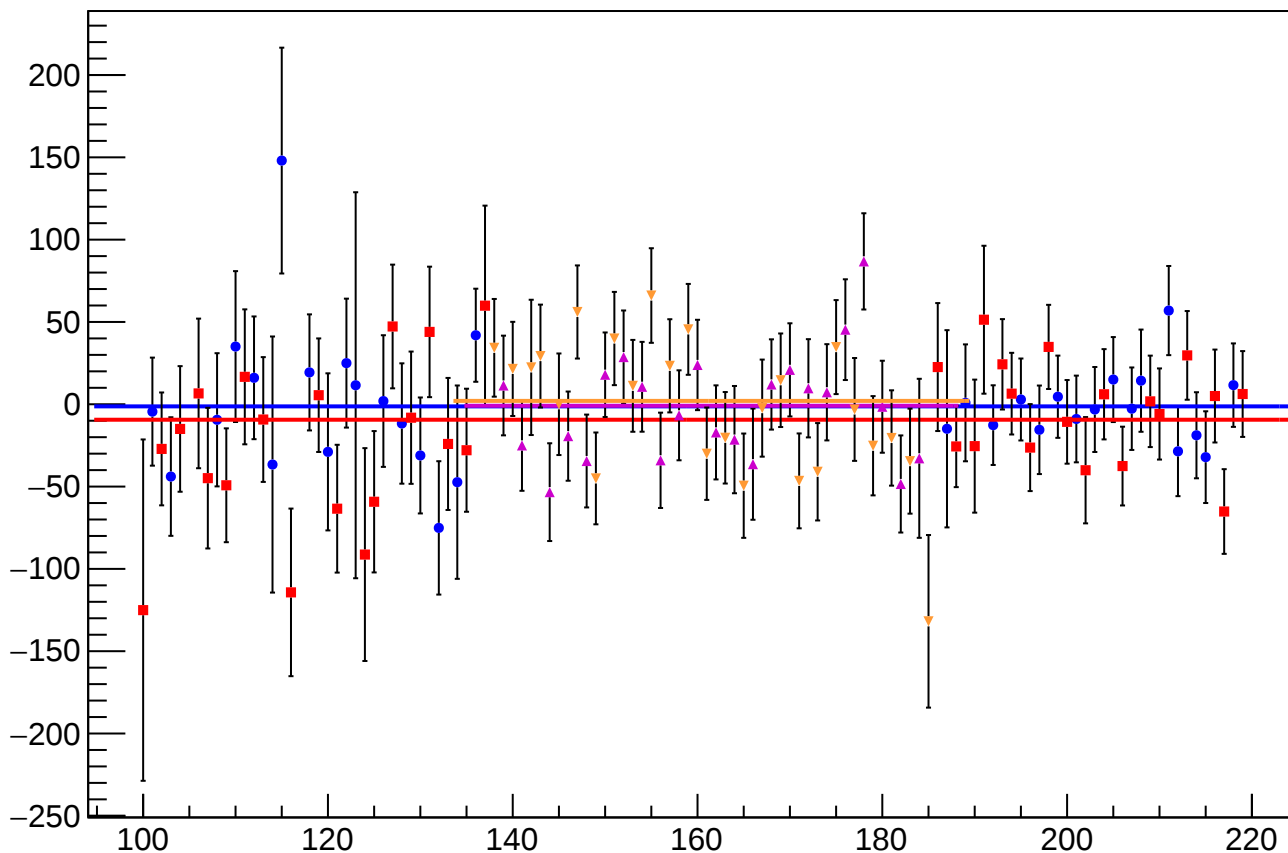
Left In: 182.396+/-0.032 χ^2/NDF :1548907.7/22

+ sign 185.365+/-0.023 χ^2/NDF : 4288426.2/57

All: 181.404+/-0.016 χ^2/NDF : 8805031.1/117

- sign 177.743+/-0.022 χ^2/NDF : 4457240.2/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.279 ± 5.620 $\chi^2/\text{NDF}: 24.4/32$

Left Out: 2.054 ± 5.970 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -9.391 ± 5.410 $\chi^2/\text{NDF}: 37.8/36$

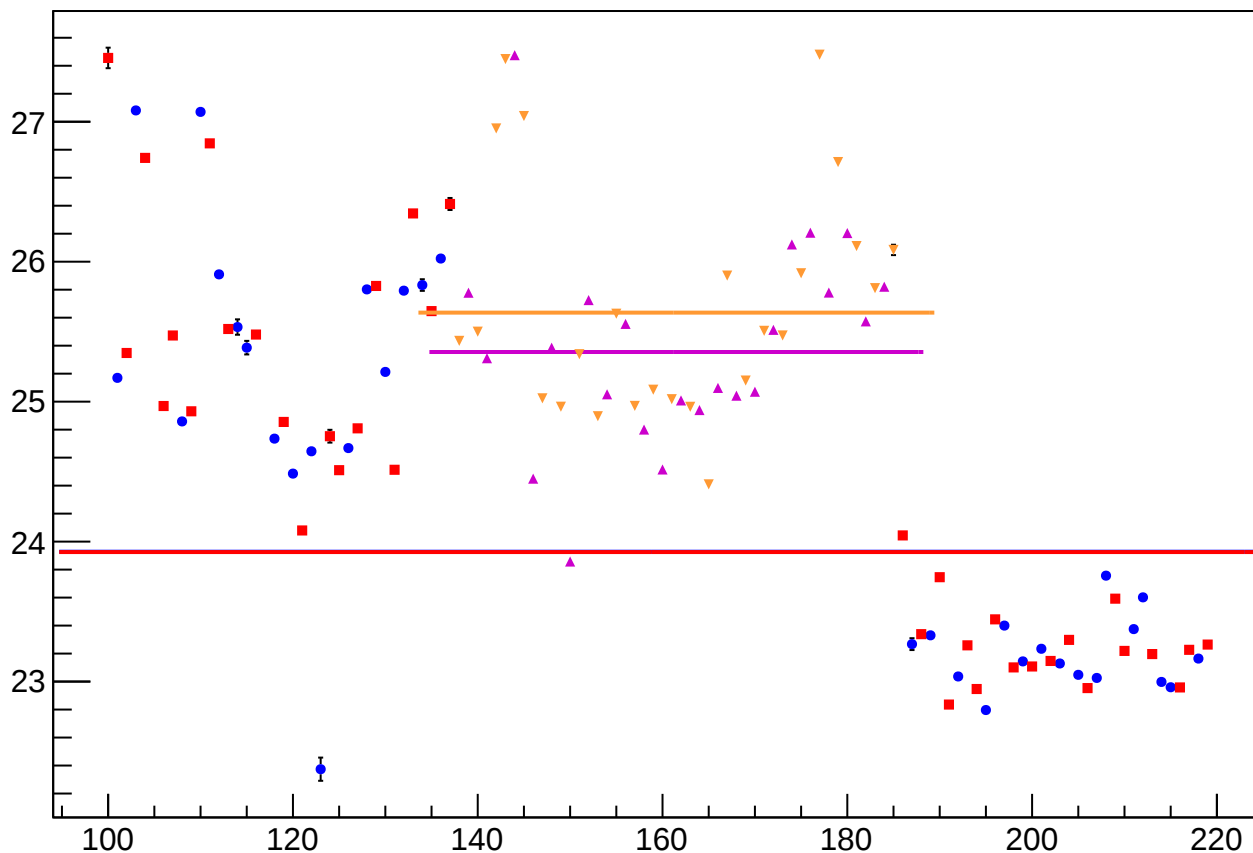
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 0.287 ± 4.092 $\chi^2/\text{NDF}: 64.0/57$

All: -2.711 ± 2.875 $\chi^2/\text{NDF}: 131.0/117$

- sign -5.632 ± 4.039 $\chi^2/\text{NDF}: 66.0/59$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.928 $\pm$ 0.004 χ^2 /NDF: 90898.4/32

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 23.925 $\pm$ 0.004 χ^2 /NDF: 85800.7/36

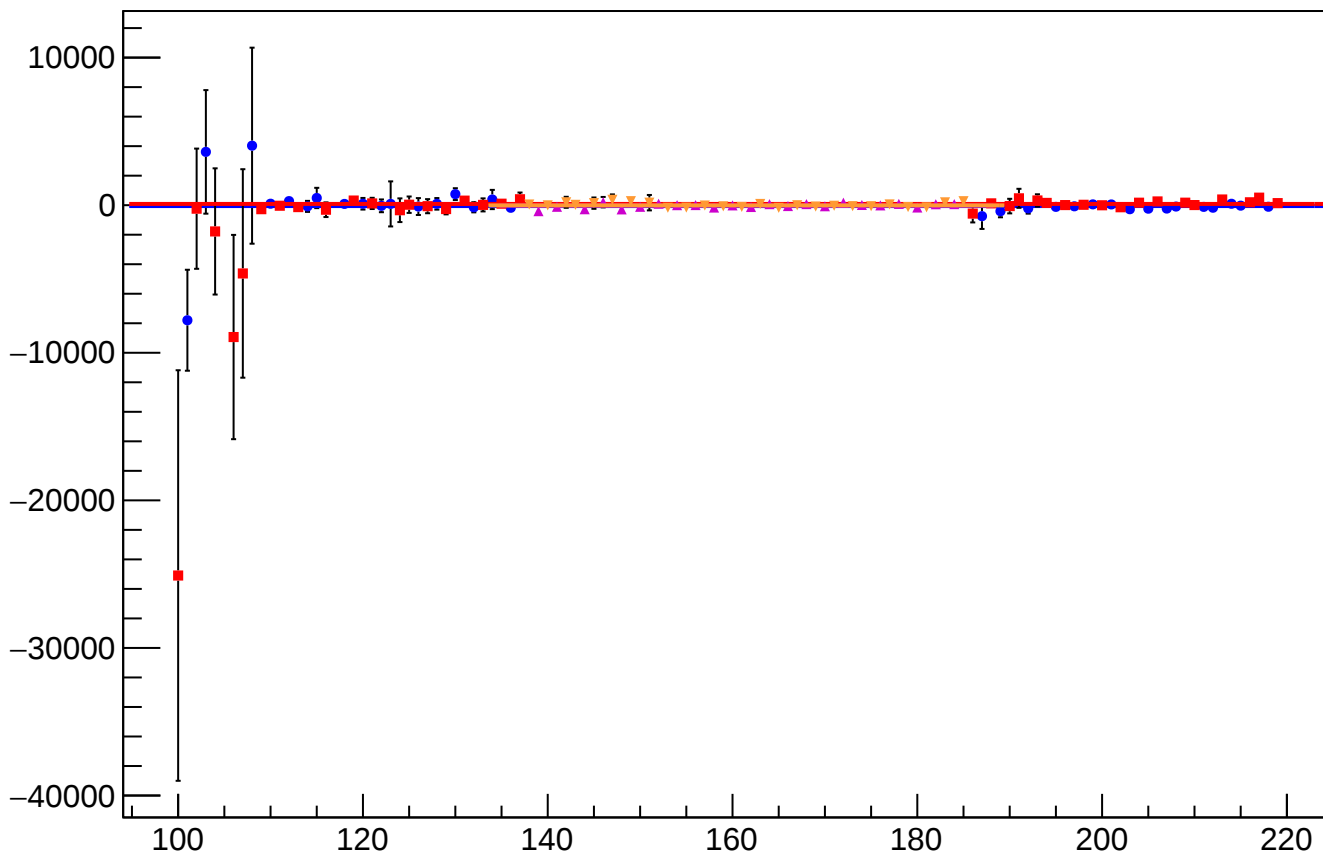
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 24.730 $\pm$ 0.003 χ^2 /NDF: 212845.9/57

All: 24.643 $\pm$ 0.002 χ^2 /NDF: 392014.7/117

- sign 24.558 $\pm$ 0.003 χ^2 /NDF: 177375.6/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -59.053+/-44.122 χ^2 /NDF: 22.0/32

Left Out: -12.820+/-48.216 χ^2 /NDF: 7.9/24

Right Out: 84.771+/-43.767 χ^2 /NDF: 24.4/36

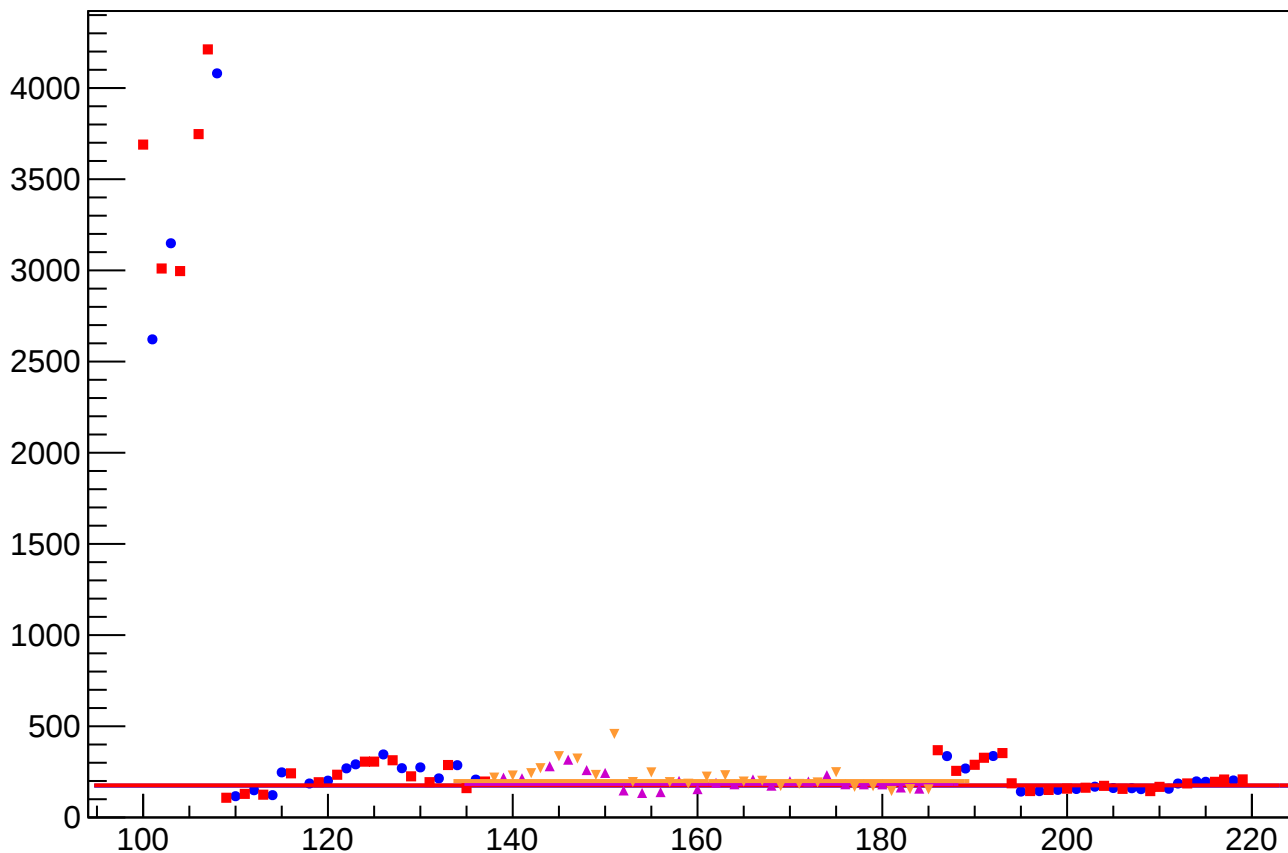
Left In: -26.836+/-45.876 χ^2 /NDF: 7.5/22

+ sign -37.983+/-32.550 χ^2 /NDF: 30.4/57

All: -2.239+/-22.698 χ^2 /NDF: 67.8/117

- sign 31.591+/-31.667 χ^2 /NDF: 35.0/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.376+/-0.031 χ^2/NDF : 4597778.9/32

Left Out: 199.536+/-0.034 χ^2/NDF : 1880548.8/24

Right Out: 175.958+/-0.031 χ^2/NDF : 5501459.4/36

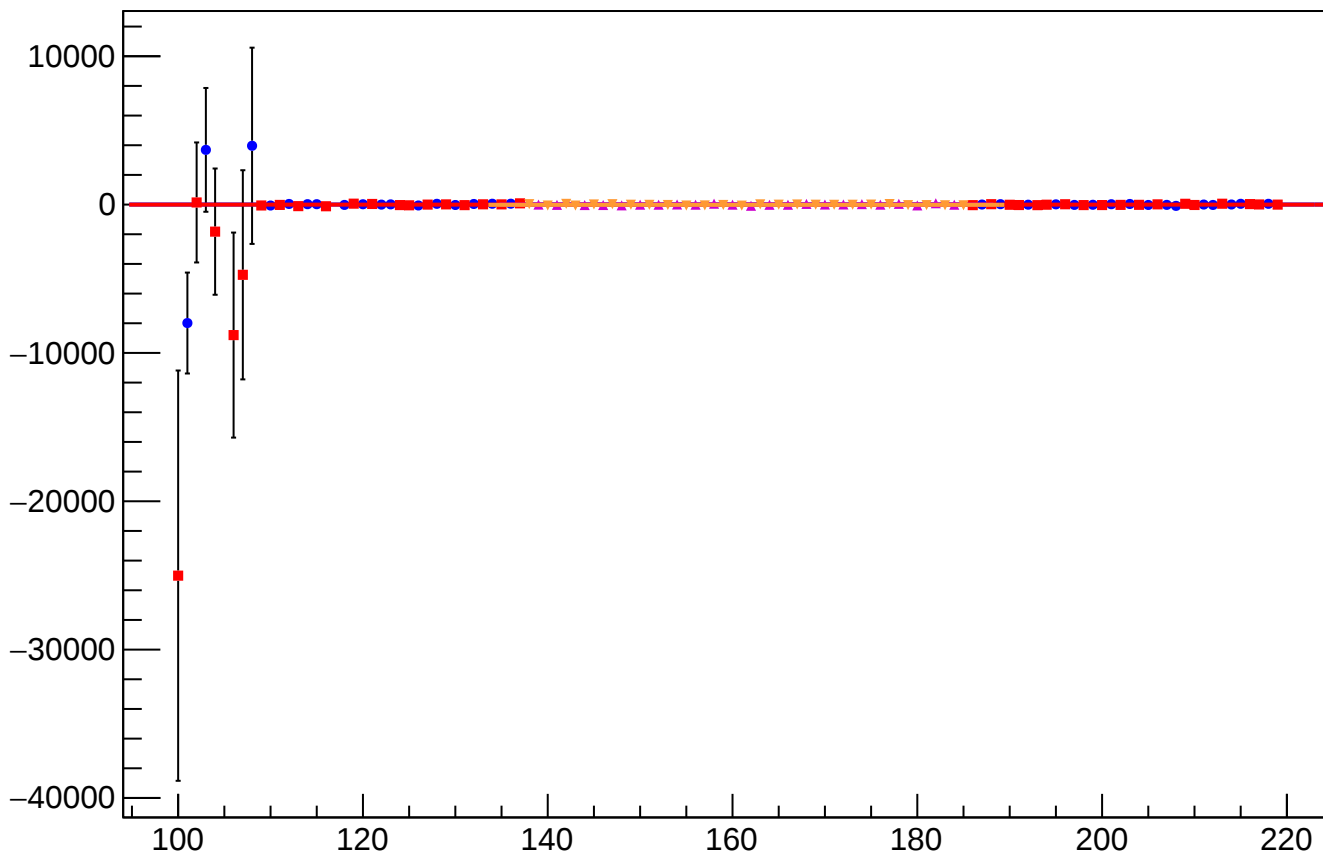
Left In: 184.031+/-0.032 χ^2/NDF : 1423454.3/22

+ sign 185.843+/-0.023 χ^2/NDF : 6774702.5/57

All: 182.741+/-0.016 χ^2/NDF : 13767392.3/137

- sign 179.805+/-0.022 χ^2/NDF : 6957340.0/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 4.242 $\pm$ 6.733 χ^2 /NDF: 36.3/32

Left Out: -17.580 $\pm$ 6.694 χ^2 /NDF:22.3/24

Right Out: -3.158 $\pm$ 6.587 χ^2 /NDF: 39.9/36

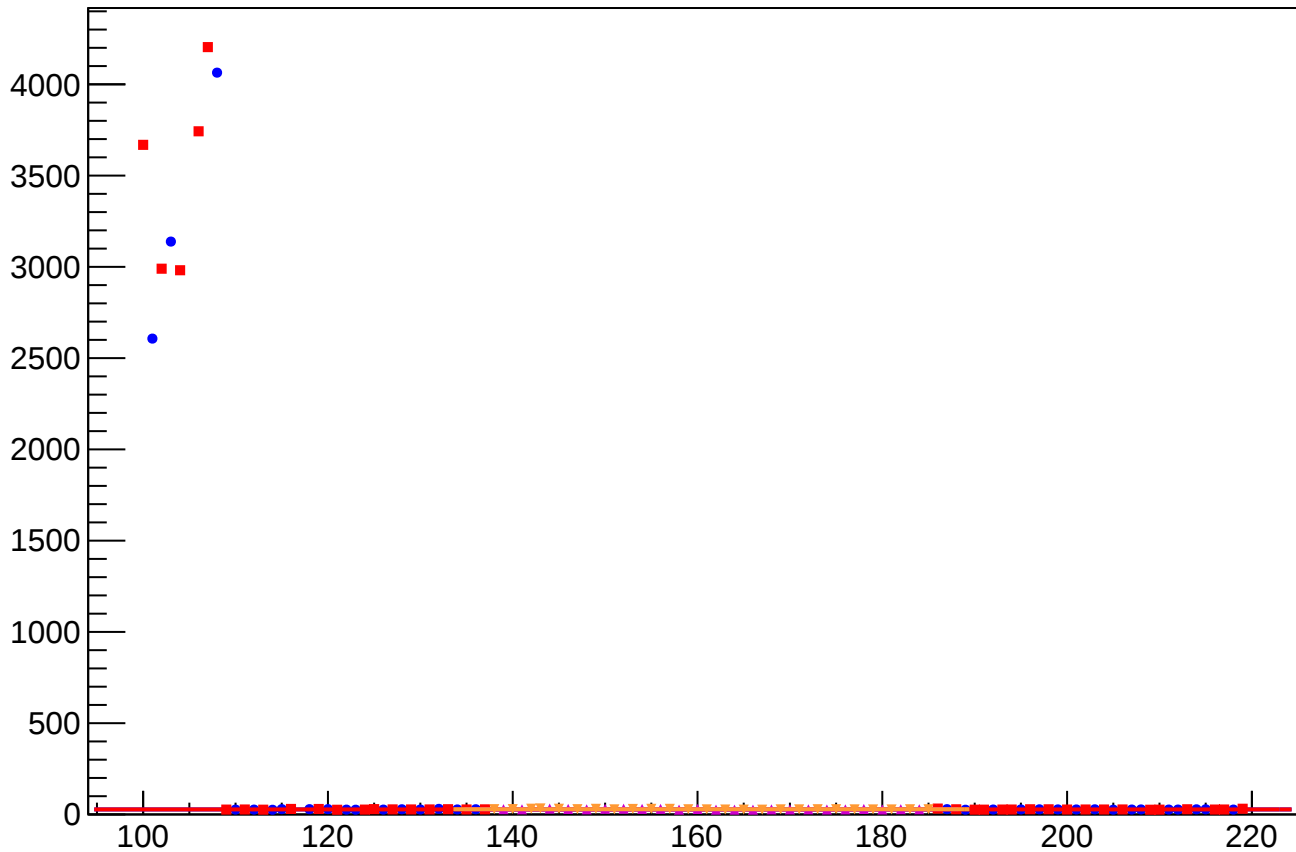
Left In: -1.038 $\pm$ 6.880 χ^2 /NDF:32.4/22

+ sign -6.732 $\pm$ 4.747 χ^2 /NDF: 63.9/57

All: -4.443 $\pm$ 3.360 χ^2 /NDF: 136.8/117

- sign -2.144 $\pm$ 4.758 χ^2 /NDF: 72.4/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.462 $\pm$ 0.005 χ^2 /NDF: 3045847.1/32

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.563 $\pm$ 0.005 χ^2 /NDF: 3537879.1/36

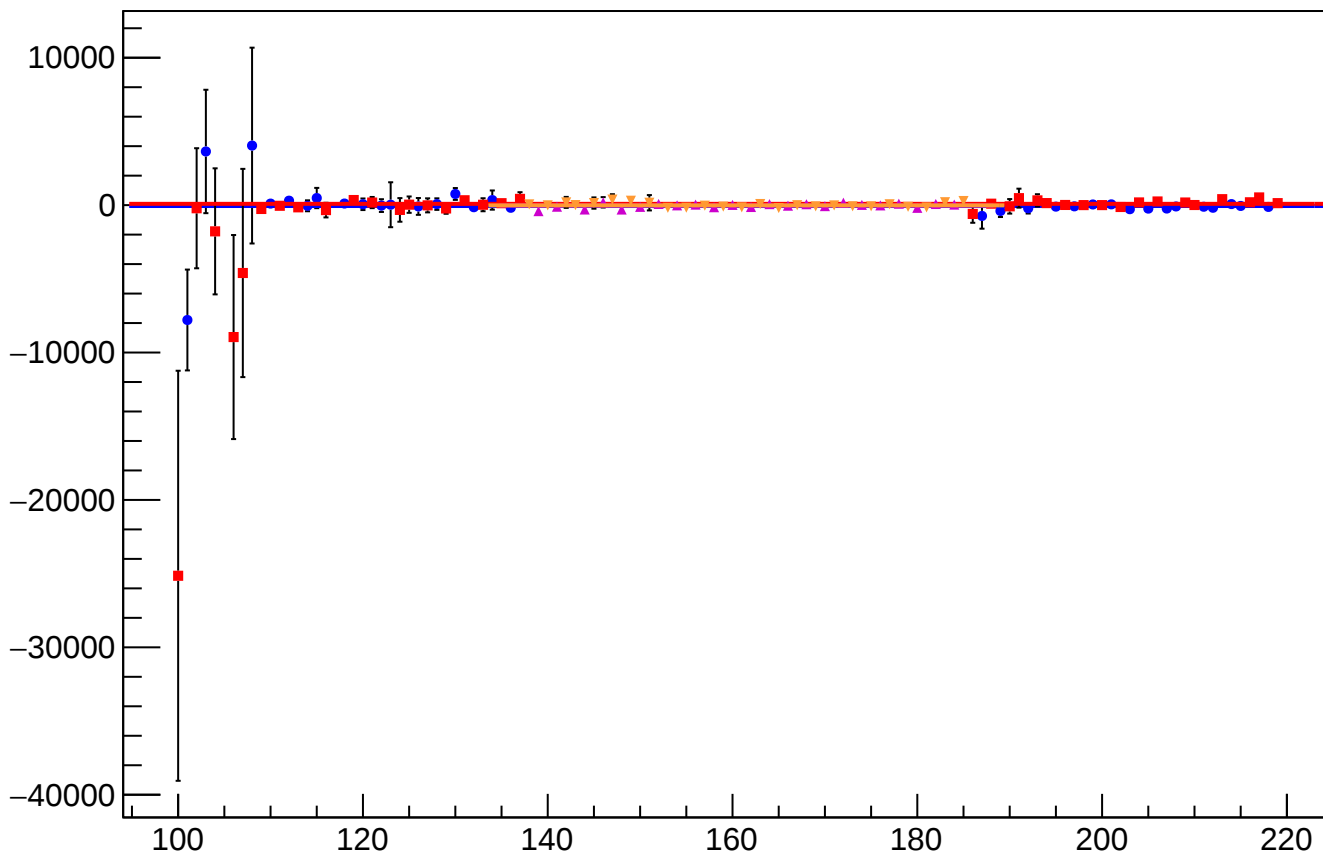
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.080 $\pm$ 0.003 χ^2 /NDF: 3189825.5/57

All: 28.087 $\pm$ 0.002 χ^2 /NDF: 6879626.7/117

- sign 28.094 $\pm$ 0.003 χ^2 /NDF: 3689793.2/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -59.863 ± 43.987 χ^2/NDF : 22.2/32

Left Out: -15.483 ± 48.109 χ^2/NDF : 8.7/24

Right Out: 87.186 ± 43.641 χ^2/NDF : 25.5/36

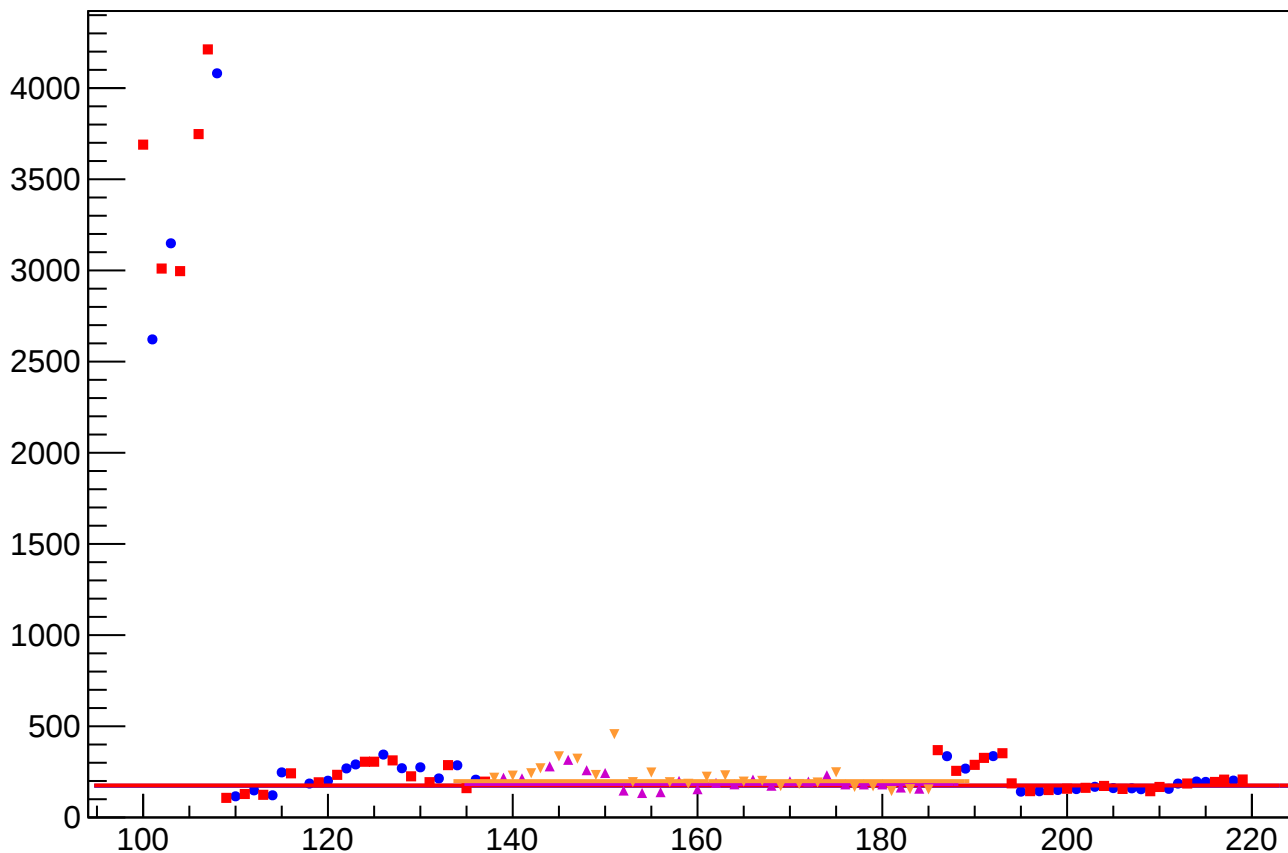
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -39.655 ± 32.463 χ^2/NDF : 31.3/57

All: -2.427 ± 22.640 χ^2/NDF : 70.5/117

- sign 32.824 ± 31.589 χ^2/NDF : 36.6/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.806 $\pm$ 0.031 χ^2 /NDF: 4611297.5/32

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 175.401 $\pm$ 0.031 χ^2 /NDF: 5519608.0/36

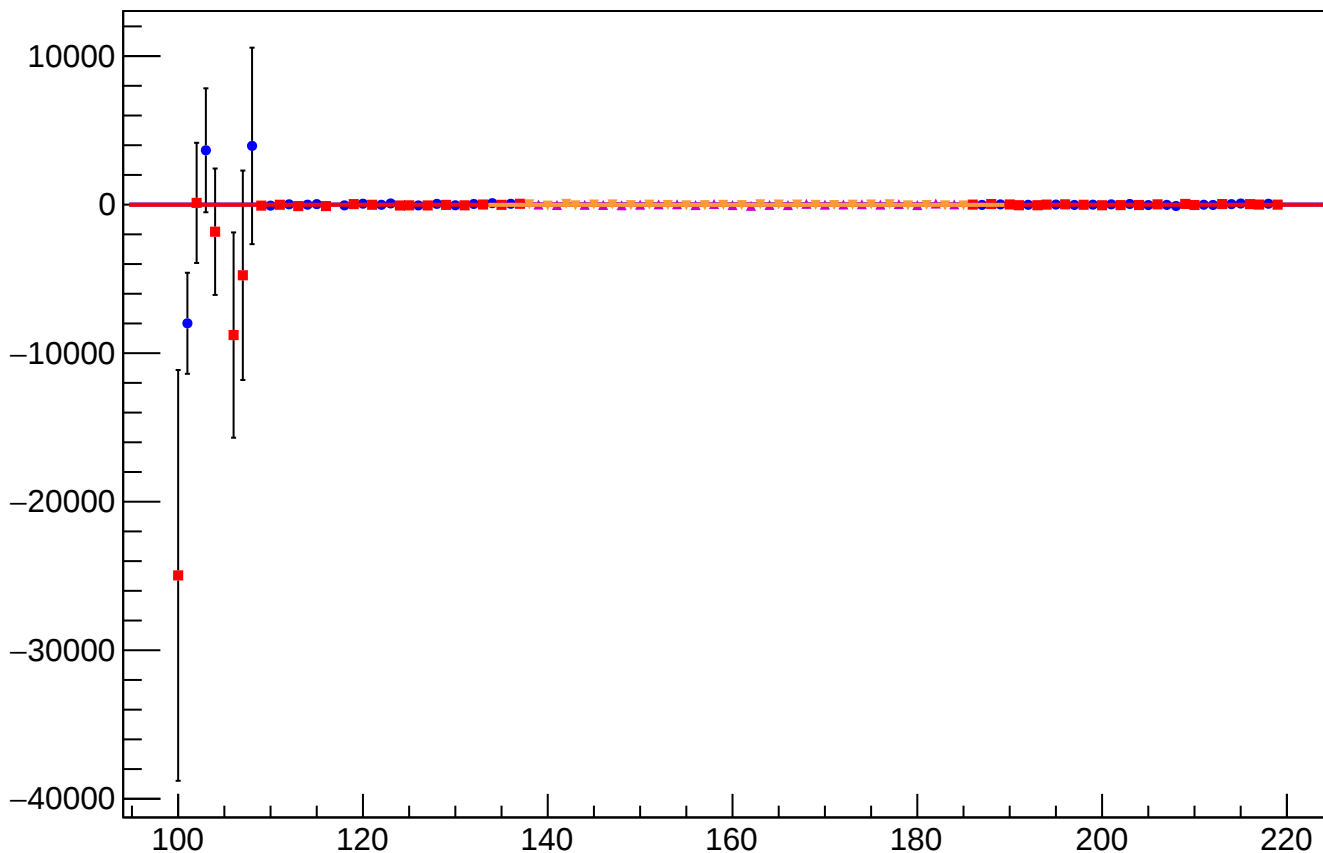
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 185.320 $\pm$ 0.023 χ^2 /NDF: 6792620.9/57

All: 182.247 $\pm$ 0.016 χ^2 /NDF: 13804191.0/11

- sign 179.336 $\pm$ 0.022 χ^2 /NDF: 6976661.9/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 5.072 $\pm$ 6.687 χ^2 /NDF: 45.1/32

Left Out: -15.006 $\pm$ 6.723 χ^2 /NDF:17.5/24

Right Out: -6.231 $\pm$ 6.551 χ^2 /NDF: 34.9/36

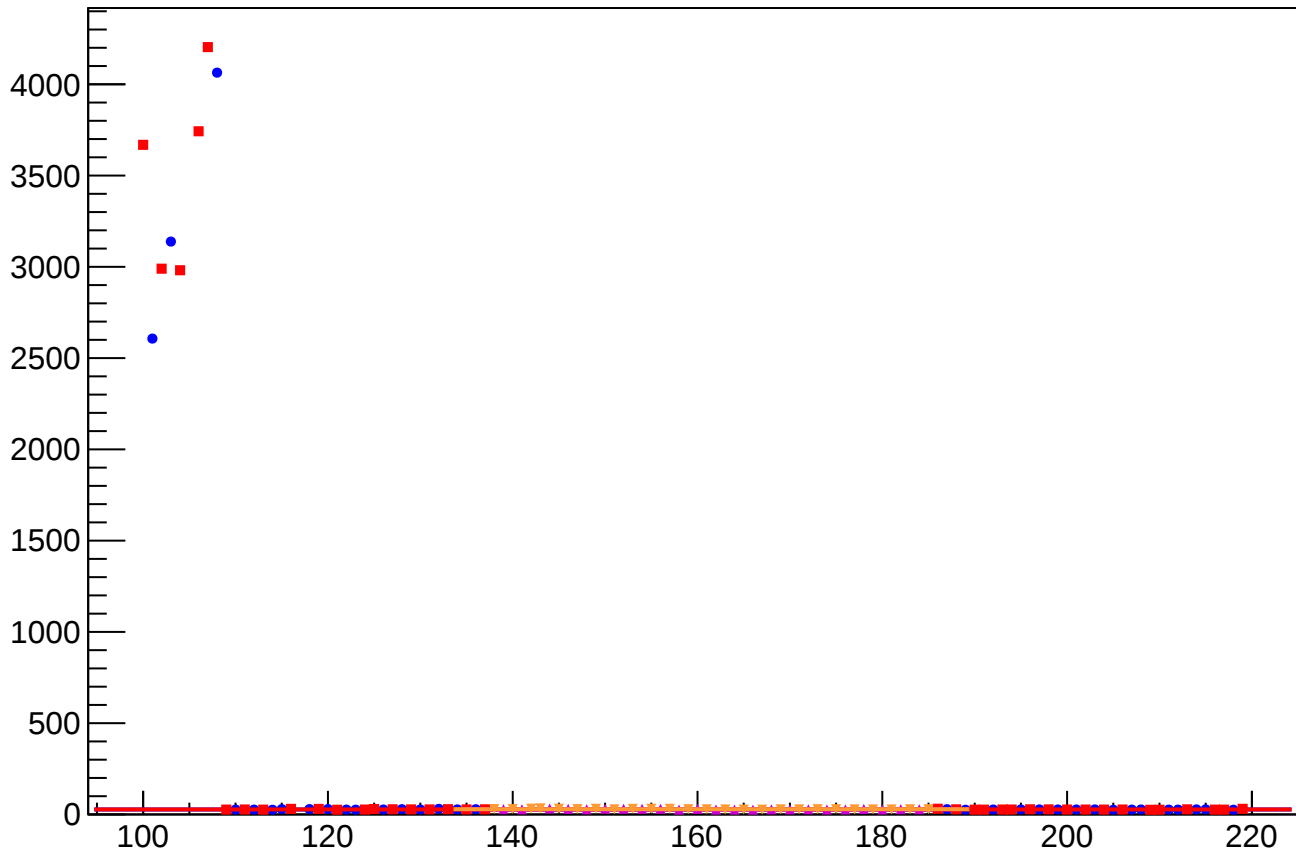
Left In: 0.702 $\pm$ 6.909 χ^2 /NDF:26.4/22

+ sign -4.913 $\pm$ 4.741 χ^2 /NDF: 67.1/57

All: -3.934 $\pm$ 3.357 χ^2 /NDF: 128.9/117

- sign -2.949 $\pm$ 4.754 χ^2 /NDF: 61.8/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.273 $\pm$ 0.005 χ^2 /NDF: 3056507.0/32

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.411 $\pm$ 0.005 χ^2 /NDF: 3541418.1/36

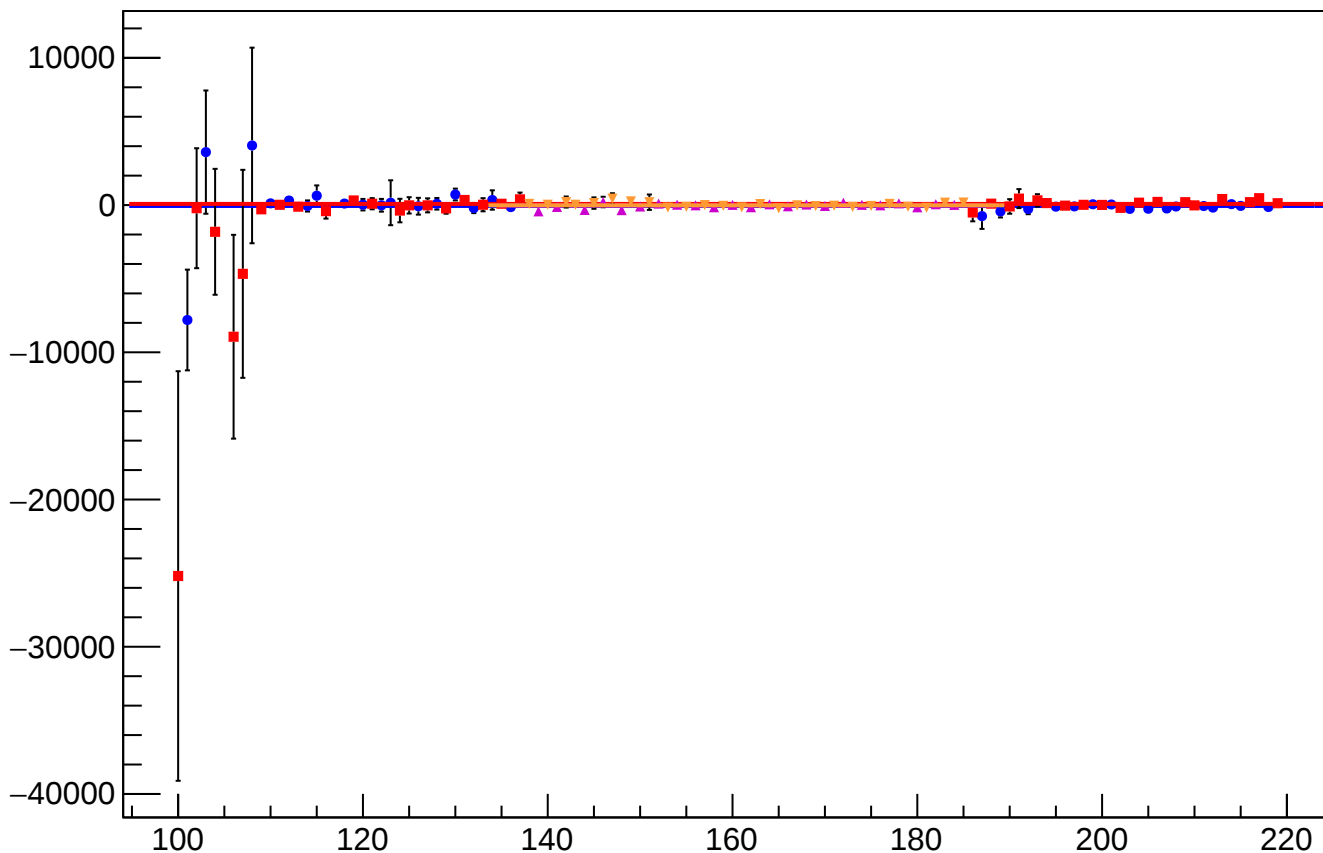
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.038 $\pm$ 0.003 χ^2 /NDF: 3231235.5/57

All: 28.052 $\pm$ 0.002 χ^2 /NDF: 6944205.0/117

- sign 28.065 $\pm$ 0.003 χ^2 /NDF: 3712938.8/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -59.322 ± 44.277 χ^2/NDF : 22.3/32

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 78.528 ± 43.957 χ^2/NDF : 24.3/36

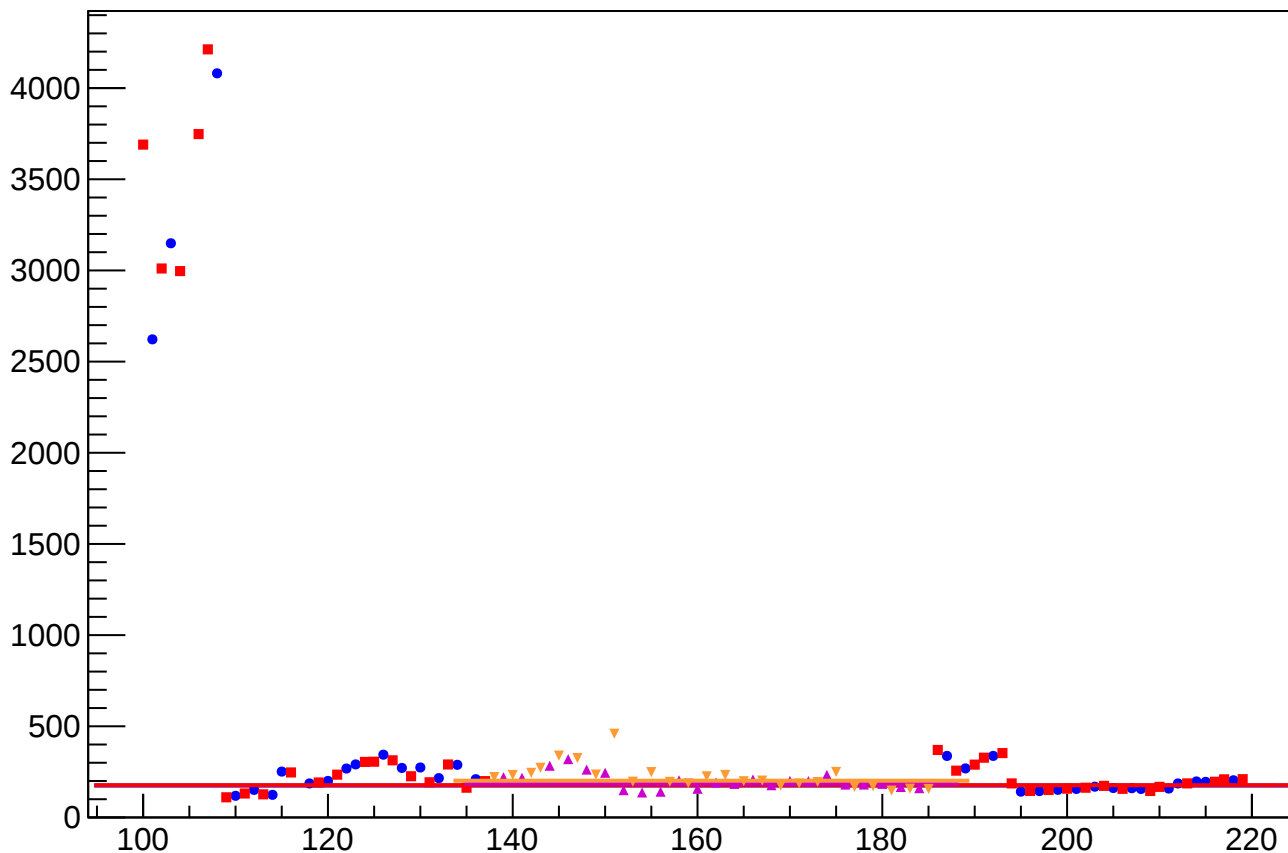
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -39.507 ± 32.757 χ^2/NDF : 30.8/57

All: -5.577 ± 22.853 χ^2/NDF : 68.3/117

- sign 26.595 ± 31.897 χ^2/NDF : 35.4/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.048 $\pm$ 0.031 χ^2 /NDF: 4576055.3/32

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 176.850 $\pm$ 0.031 χ^2 /NDF: 5459461.5/36

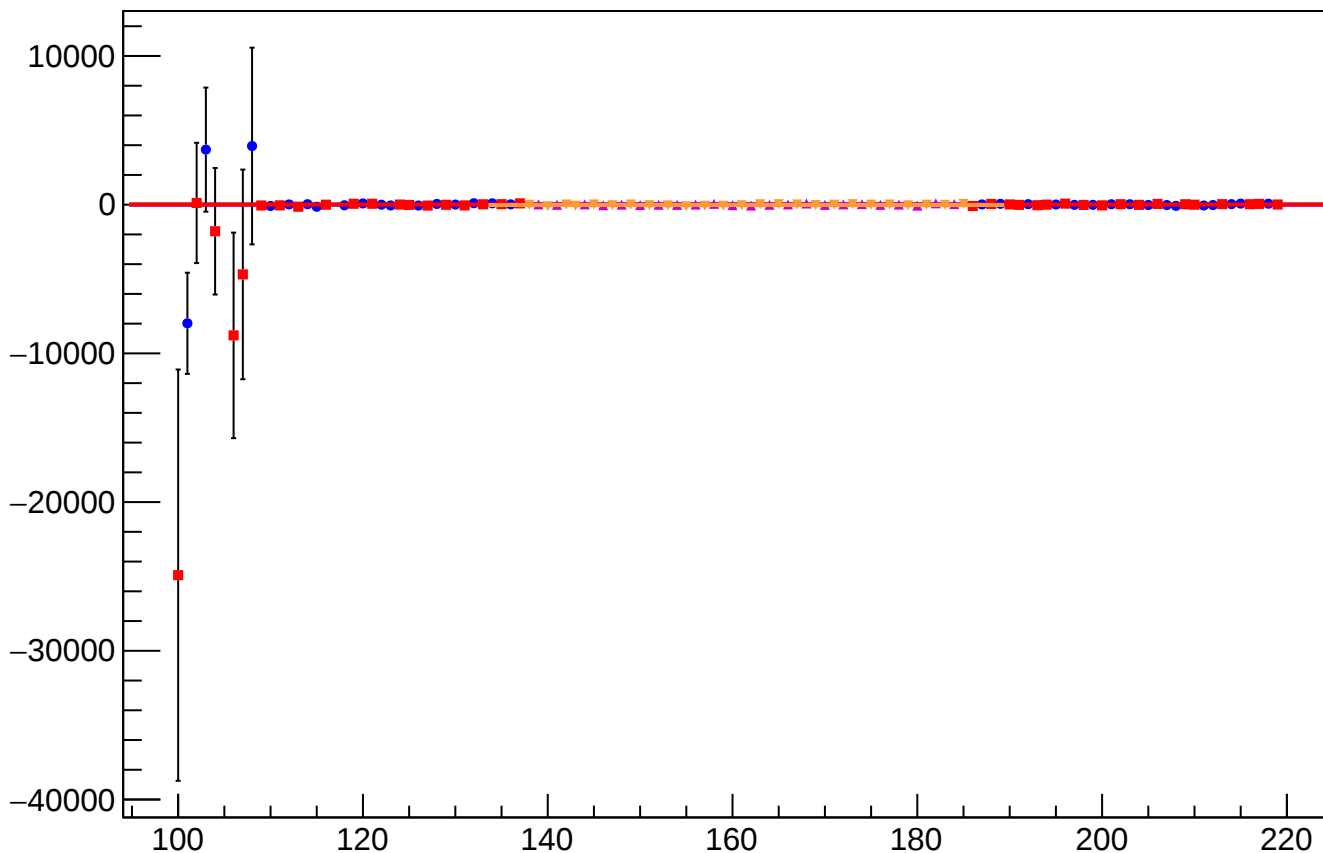
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 187.067 $\pm$ 0.023 χ^2 /NDF: 6759082.2/57

All: 184.072 $\pm$ 0.016 χ^2 /NDF: 13684423.7/1

- sign 181.233 $\pm$ 0.023 χ^2 /NDF: 6892776.1/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 7.200 ± 8.160 χ^2/NDF : 38.0/32

Left Out: -23.360 ± 8.064 χ^2/NDF : 25.8/24

Right Out: 6.542 ± 7.979 χ^2/NDF : 38.1/36

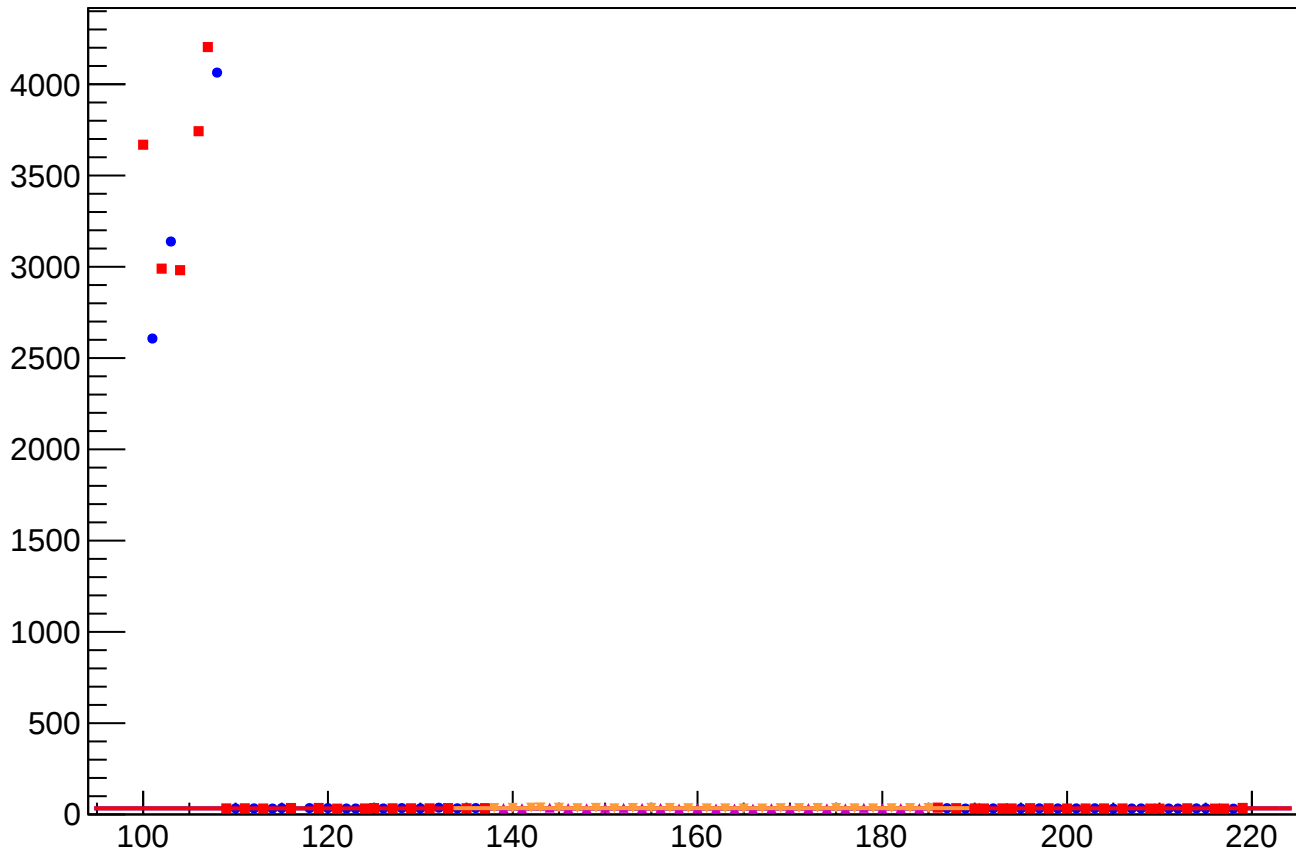
Left In: 6.001 ± 8.309 χ^2/NDF : 21.1/22

+ sign -8.261 ± 5.736 χ^2/NDF : 70.9/57

All: -1.013 ± 4.063 χ^2/NDF : 133.3/117

- sign 6.282 ± 5.755 χ^2/NDF : 59.3/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.302 $\pm$ 0.006 χ^2 /NDF: 3024832.4/32

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.439 $\pm$ 0.006 χ^2 /NDF: 3485640.8/36

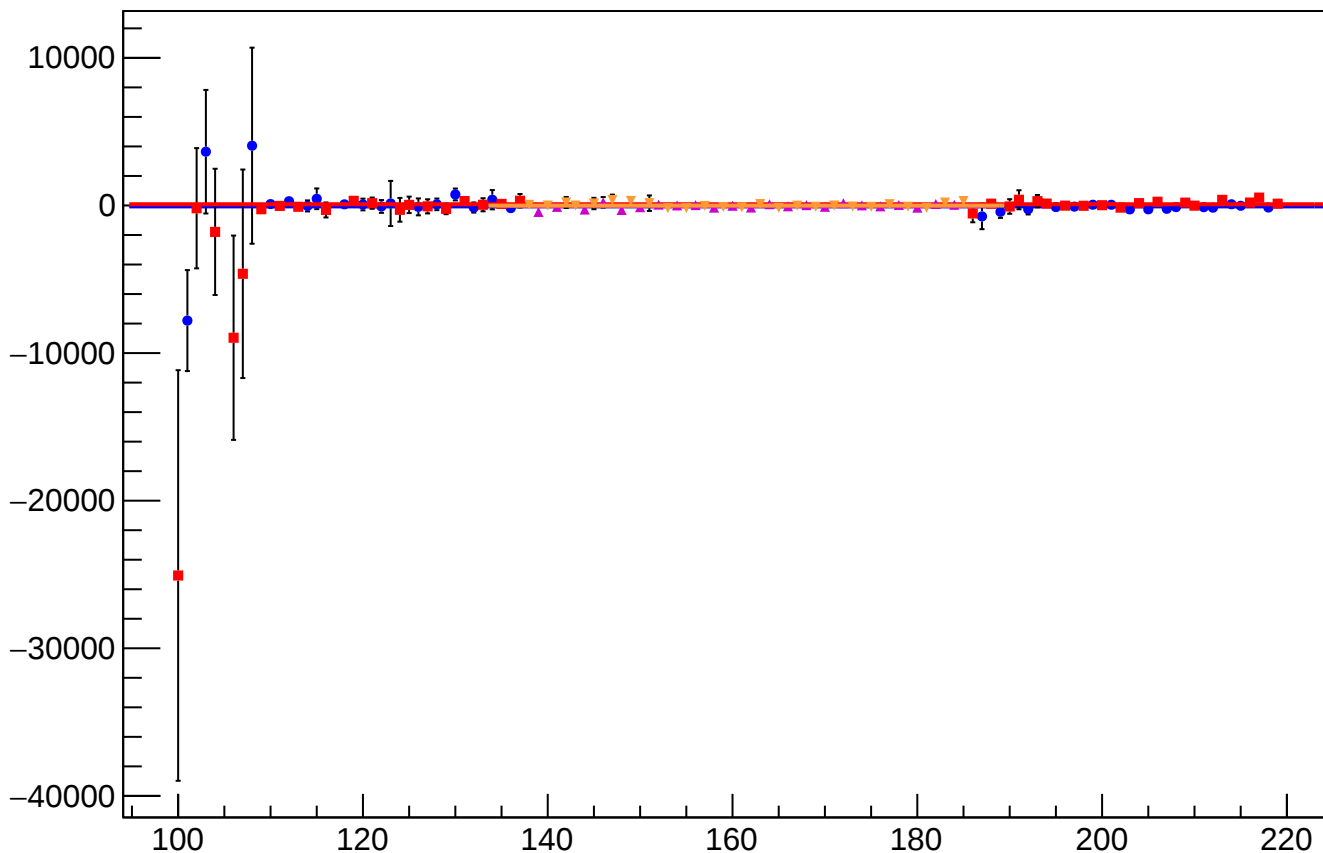
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 33.966 $\pm$ 0.004 χ^2 /NDF: 3108946.8/57

All: 34.001 $\pm$ 0.003 χ^2 /NDF: 6678444.2/117

- sign 34.037 $\pm$ 0.004 χ^2 /NDF: 3569344.7/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -62.366 $\pm$ 44.152 χ^2 /NDF: 22.1/32

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: 84.262 $\pm$ 43.800 χ^2 /NDF: 23.6/36

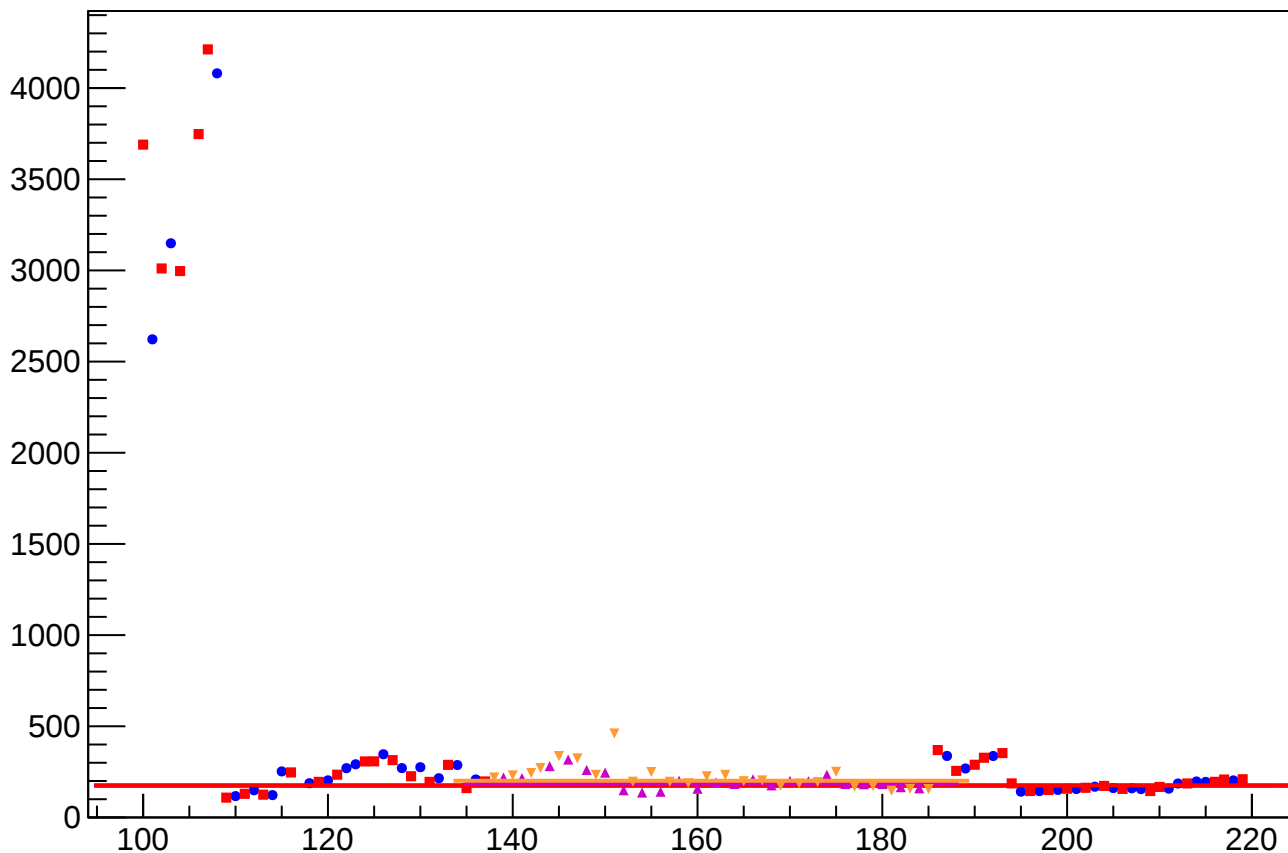
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign -38.207 $\pm$ 32.684 χ^2 /NDF: 31.4/57

All: -4.037 $\pm$ 22.799 χ^2 /NDF: 68.0/117

- sign 28.345 $\pm$ 31.817 χ^2 /NDF: 34.4/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.475 $\pm$ 0.031 χ^2 /NDF: 4606113.1/32

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 176.080 $\pm$ 0.031 χ^2 /NDF: 5509417.2/36

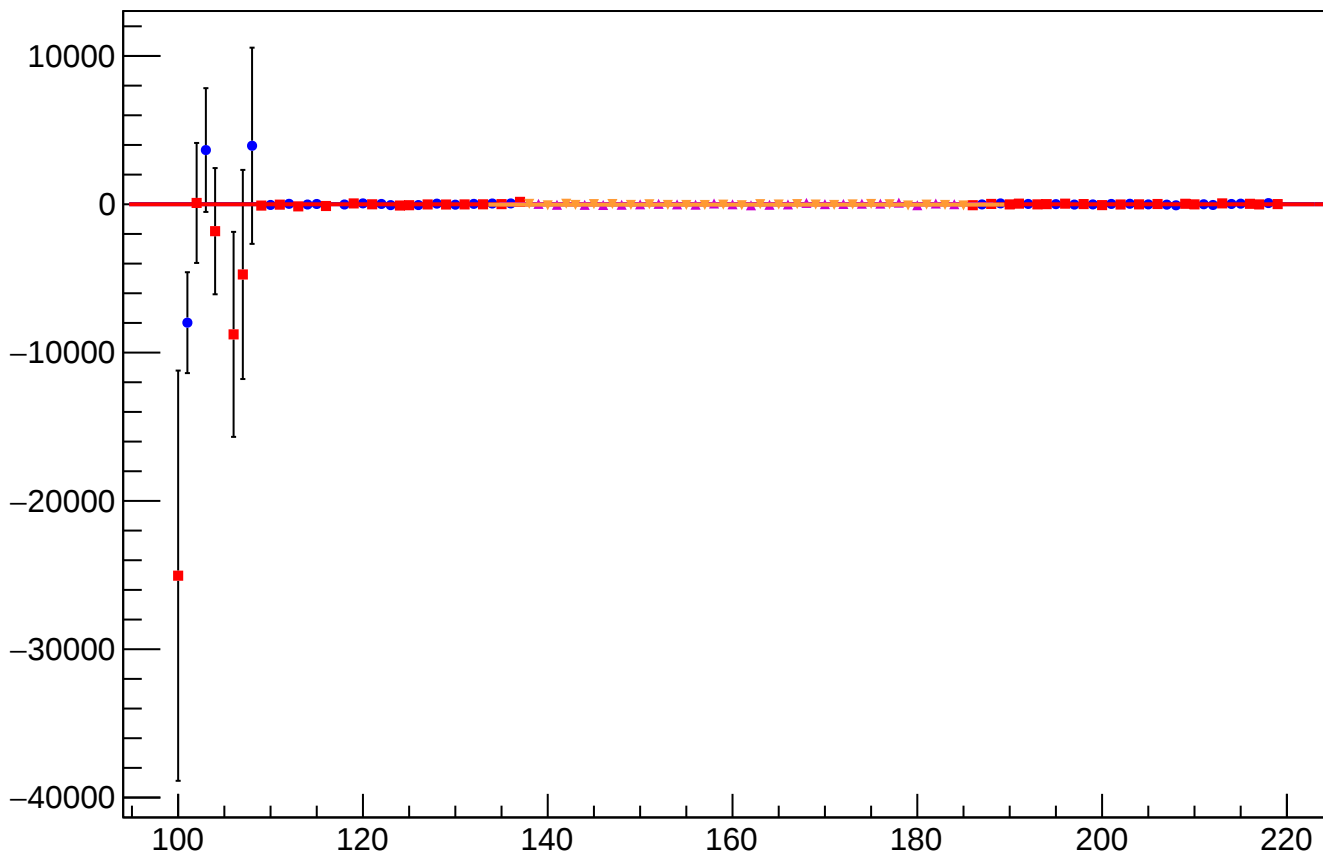
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 186.598 $\pm$ 0.023 χ^2 /NDF: 6790841.7/57

All: 183.568 $\pm$ 0.016 χ^2 /NDF: 13762560.5/13

- sign 180.696 $\pm$ 0.022 χ^2 /NDF: 6938231.0/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 8.898 $\pm$ 7.379 χ^2 /NDF: 32.0/32

Left Out: -22.879 $\pm$ 7.340 χ^2 /NDF:18.8/24

Right Out: -0.398 $\pm$ 7.220 χ^2 /NDF: 42.9/36

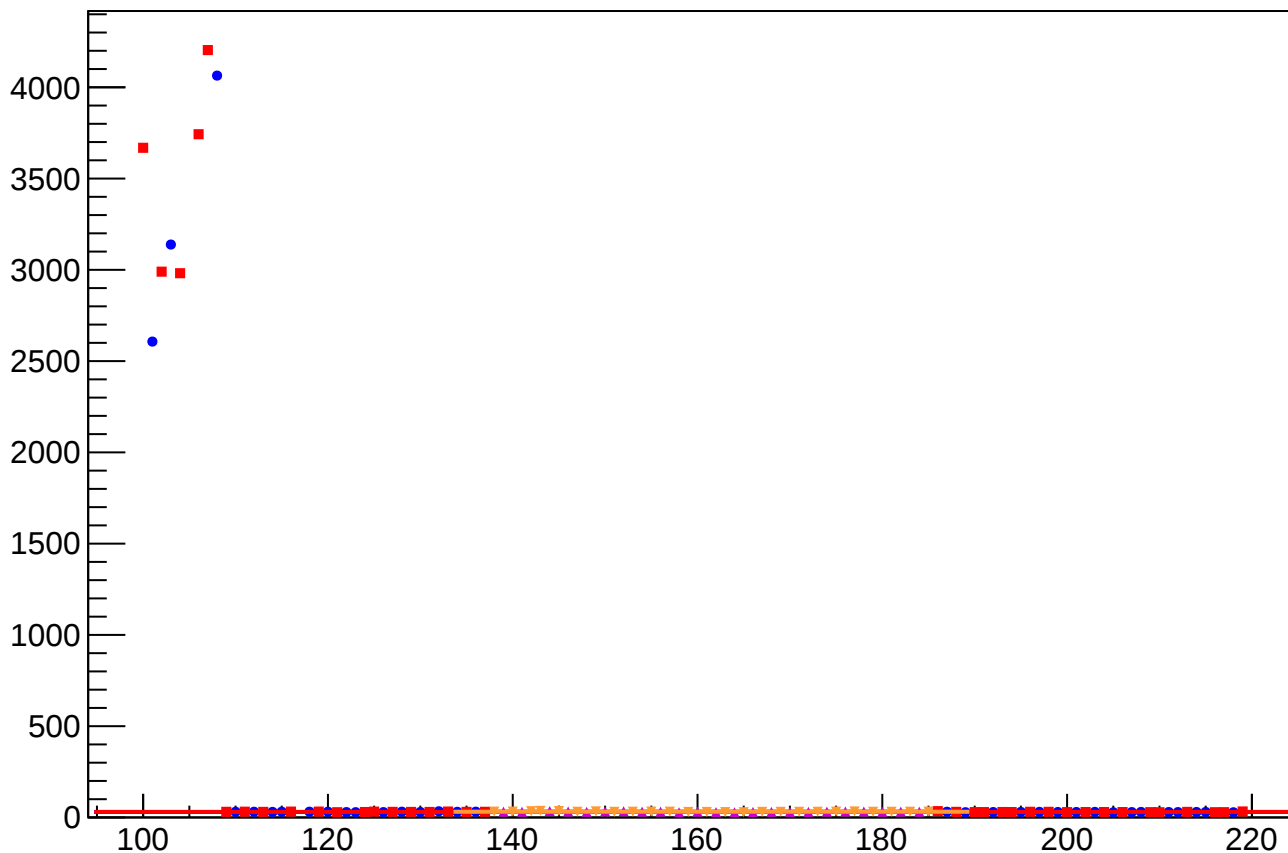
Left In: 5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

+ sign -7.075 $\pm$ 5.204 χ^2 /NDF: 60.1/57

All: -2.235 $\pm$ 3.685 χ^2 /NDF: 143.4/117

- sign 2.631 $\pm$ 5.218 χ^2 /NDF: 81.6/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.104 $\pm$ 0.005 χ^2 /NDF: 3045014.5/32

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.231 $\pm$ 0.005 χ^2 /NDF: 3508630.3/36

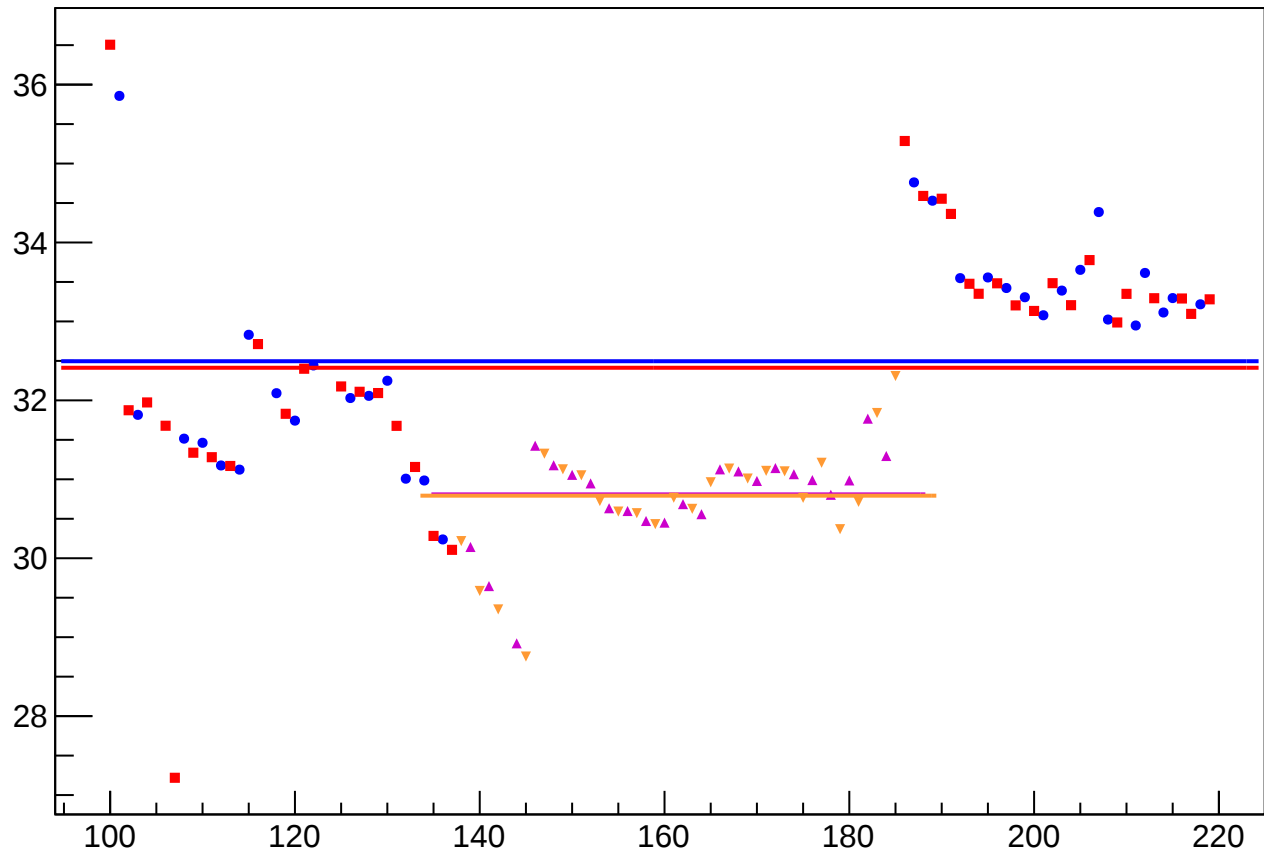
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.796 $\pm$ 0.004 χ^2 /NDF: 3162498.0/57

All: 30.813 $\pm$ 0.003 χ^2 /NDF: 6787965.5/117

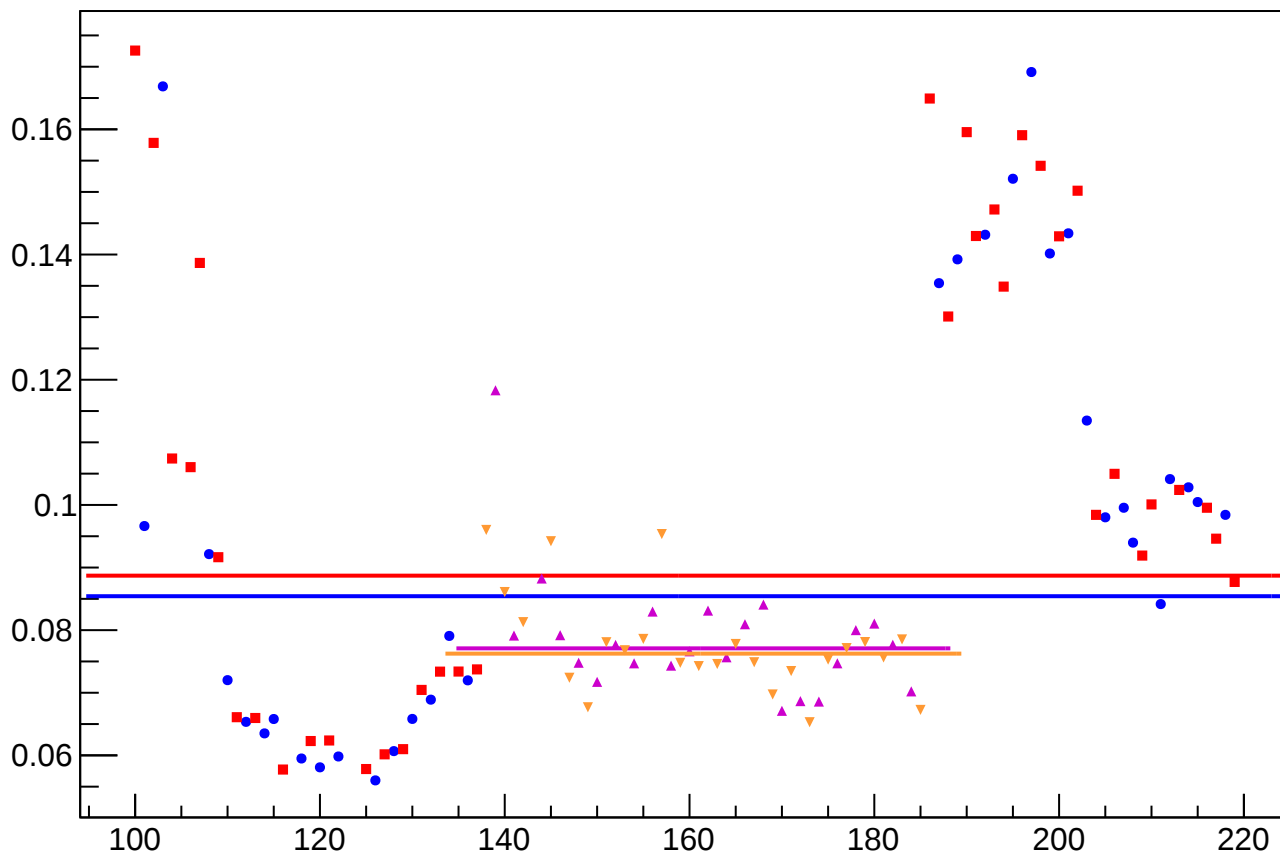
- sign 30.829 $\pm$ 0.004 χ^2 /NDF: 3625427.5/59

yield_usl_mean vs Slug



Right In: 32.496+/-0.000	χ^2/NDF : 3067889453.4/31	+ sign 31.533+/-0.000	χ^2/NDF : 7555291154.6/55
Left Out: 30.793+/-0.000	χ^2/NDF : 1007261340.7/23	All: 31.524+/-0.000	χ^2/NDF : 14113173662.8
Right Out: 32.413+/-0.000	χ^2/NDF : 2719568705.6/35	- sign 31.514+/-0.000	χ^2/NDF : 6557050064.9/58
Left In: 30.809+/-0.000	χ^2/NDF : 821961762.3/22		

yield_usl_rms vs Slug



Right In: 0.085 $\pm$ 0.000 χ^2 /NDF: 3304031.0/31

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:277876.5/23

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 3682932.1/35

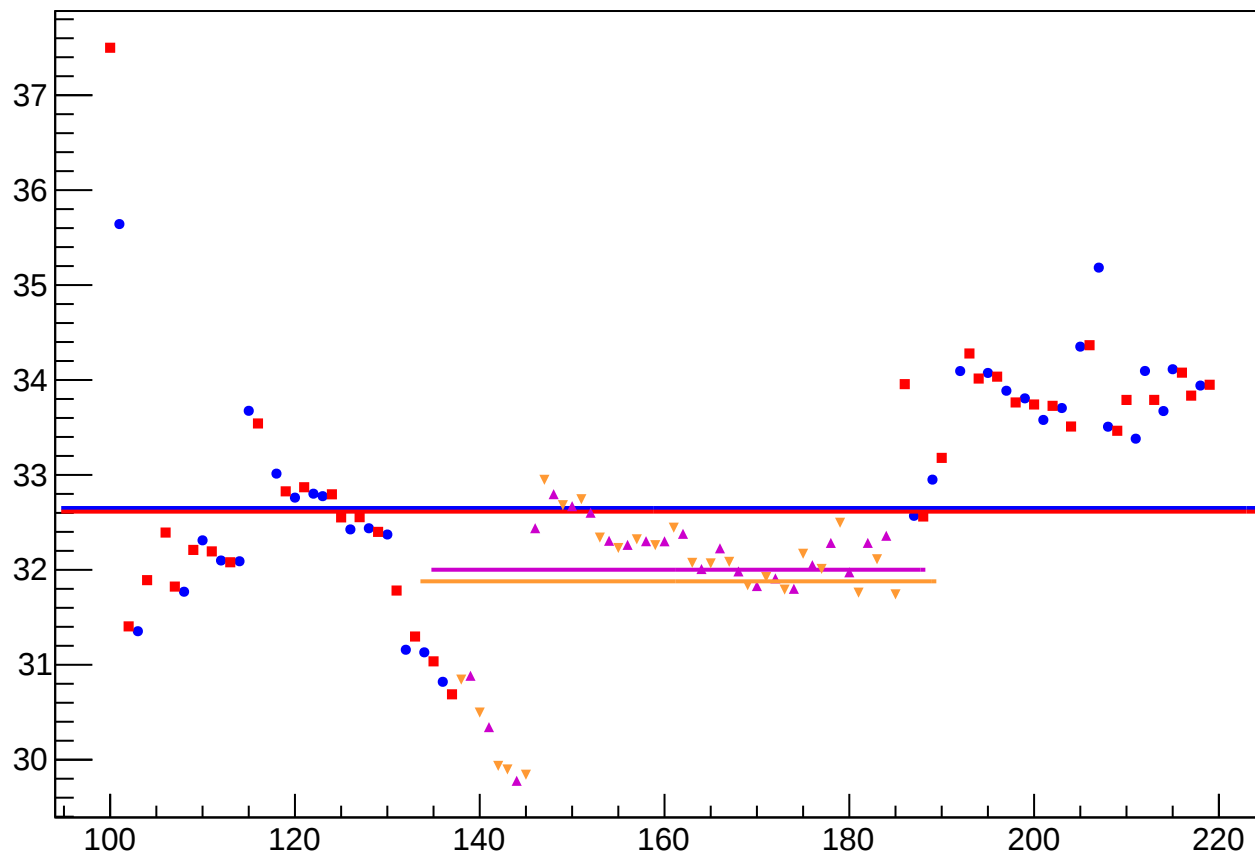
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 3783830.6/55

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 8127406.3/114

- sign 0.082 $\pm$ 0.000 χ^2 /NDF: 4325035.3/58

yield_usr_mean vs Slug



Right In: 32.651+/-0.000 χ^2/NDF : 1693454564.7/32

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.613+/-0.000 χ^2/NDF : 1079560555.3/35

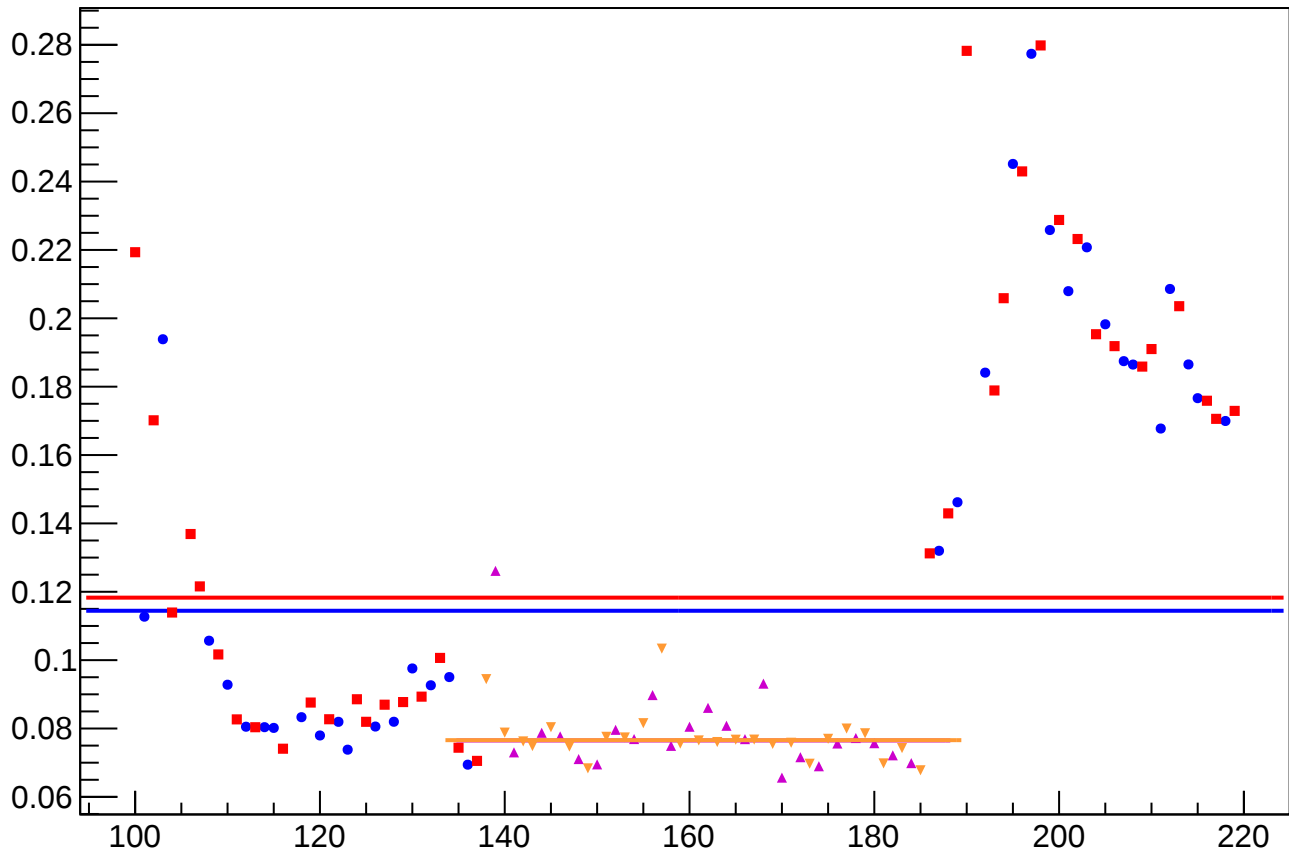
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 32.089+/-0.000 χ^2/NDF : 4136950595.8/57

All: 32.131+/-0.000 χ^2/NDF : 6933325896.2/100

- sign 32.175+/-0.000 χ^2/NDF : 2782213962.5/58

yield_usr_rms vs Slug



Right In: 0.114 $\pm$ 0.000 χ^2 /NDF: 5793230.0/32

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.118 $\pm$ 0.000 χ^2 /NDF: 5548873.3/35

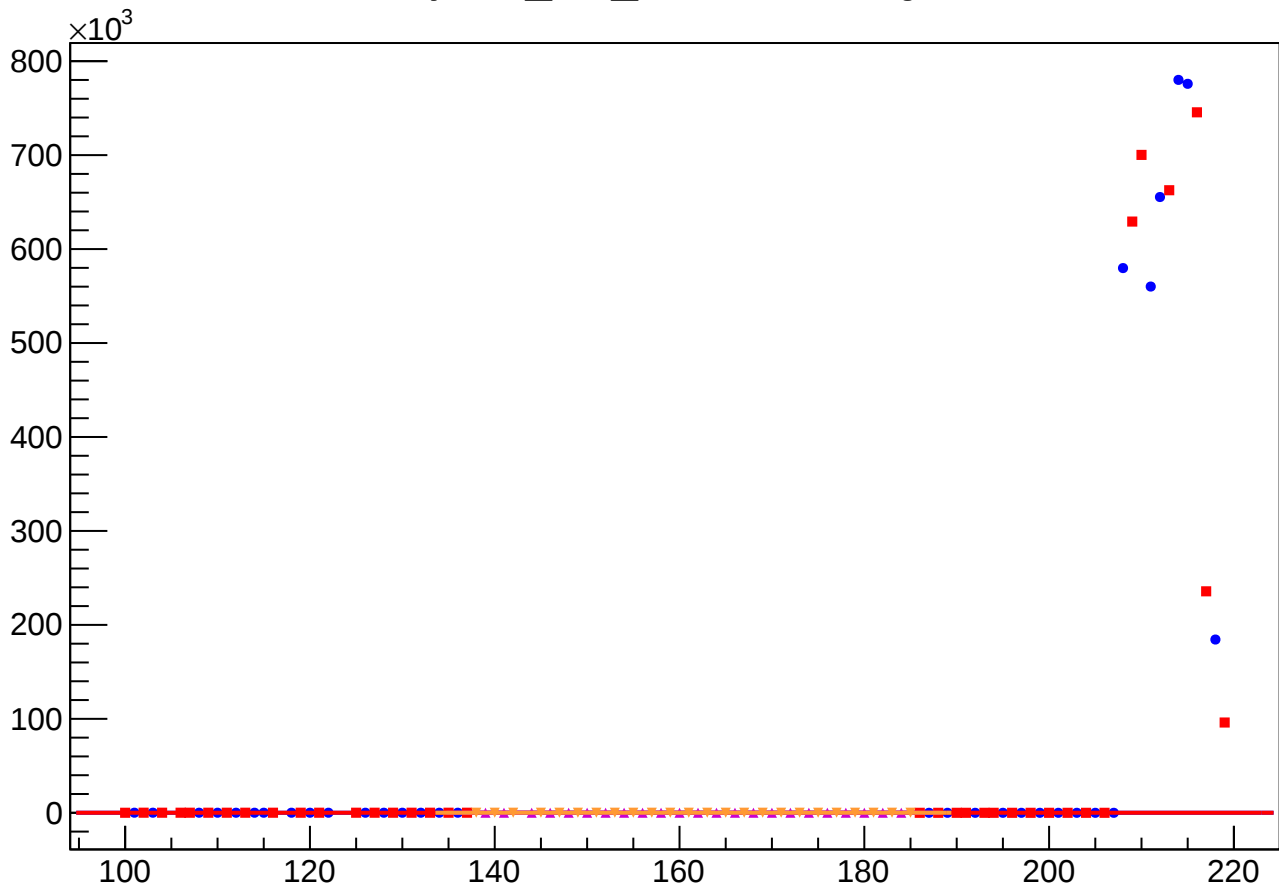
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 8248350.0/57

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 16956802.2/116

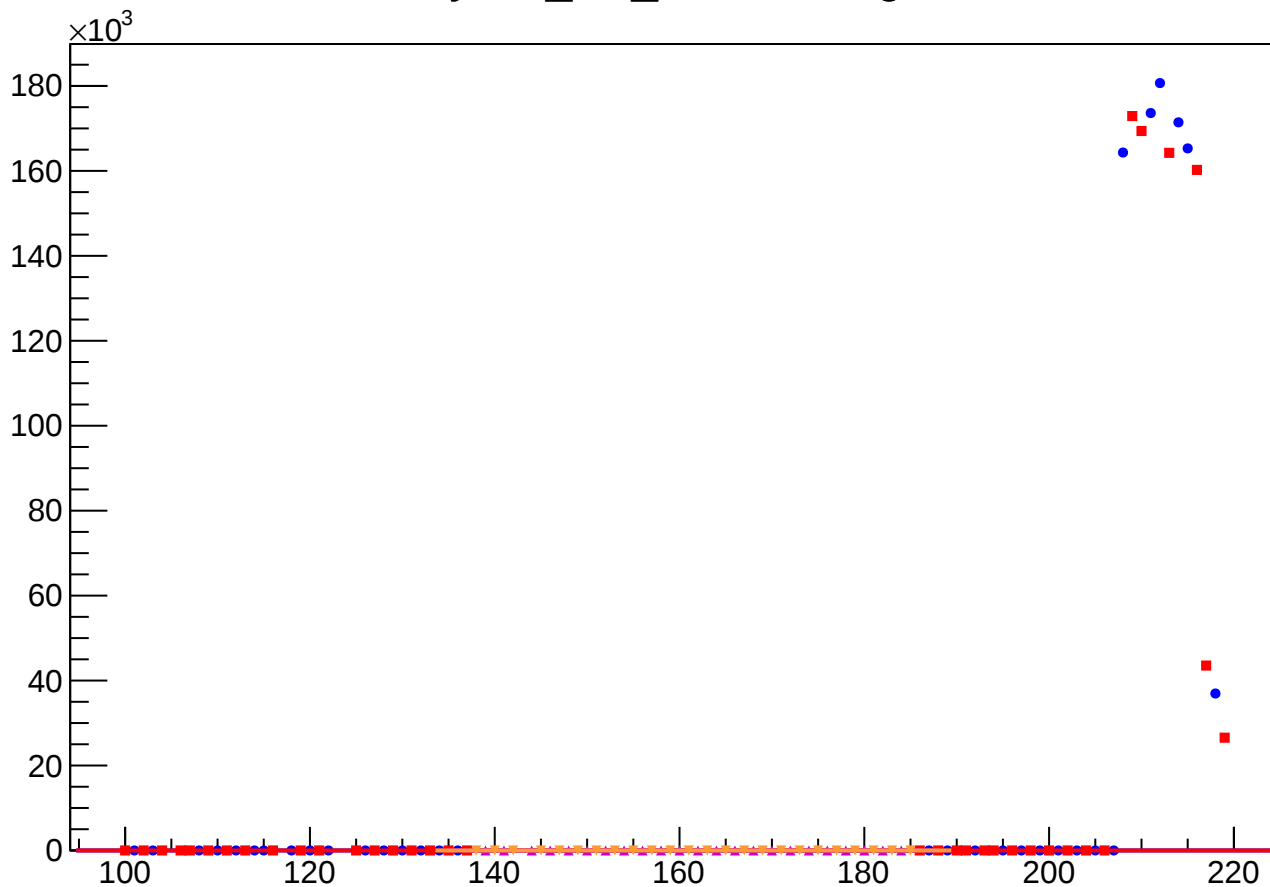
- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 8700373.6/58

yield_dsl_mean vs Slug



Right In: 54.615+/-0.000 χ^2 /NDF: 10853566355060.2/31
 Left Out: 83.402+/-0.000 χ^2 /NDF: 8756634444.3/23
 Right Out: 51.099+/-0.000 χ^2 /NDF: 11528477446503.4/35
 Left In: 83.309+/-0.000 χ^2 /NDF: 8421247810.9/22
 + sign 71.450+/-0.000 χ^2 /NDF: 13713621001391.7
 All: 70.353+/-0.000 χ^2 /NDF: 2903835904138
 - sign 69.298+/-0.000 χ^2 /NDF: 15291292290161.0

yield_dsl_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 8428897.0/31

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:206685.9/23

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 8666630.0/35

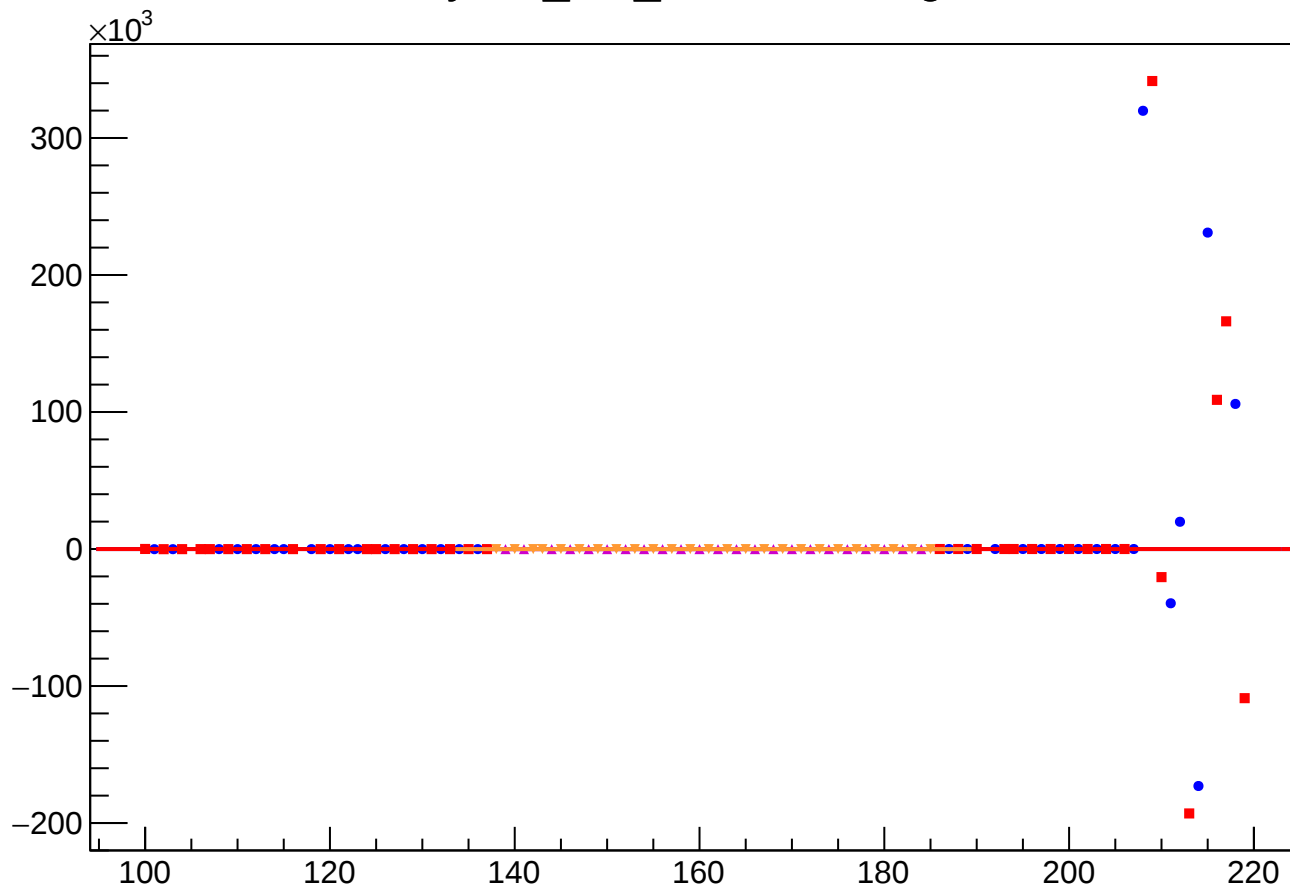
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 8654786.3/55

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 17591637.3/114

- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 8936566.8/58

yield_dsr_mean vs Slug



Right In: -30.026+/-0.000

χ^2/NDF : 7479131092283.3/32

+ sign -51.425+/-0.000 χ^2/NDF : 11625954638774.3

Left Out: -69.461+/-0.000

χ^2/NDF : 49572401.9/24

All: -50.406+/-0.000 χ^2/NDF : 234257005757

Right Out: -28.760+/-0.000

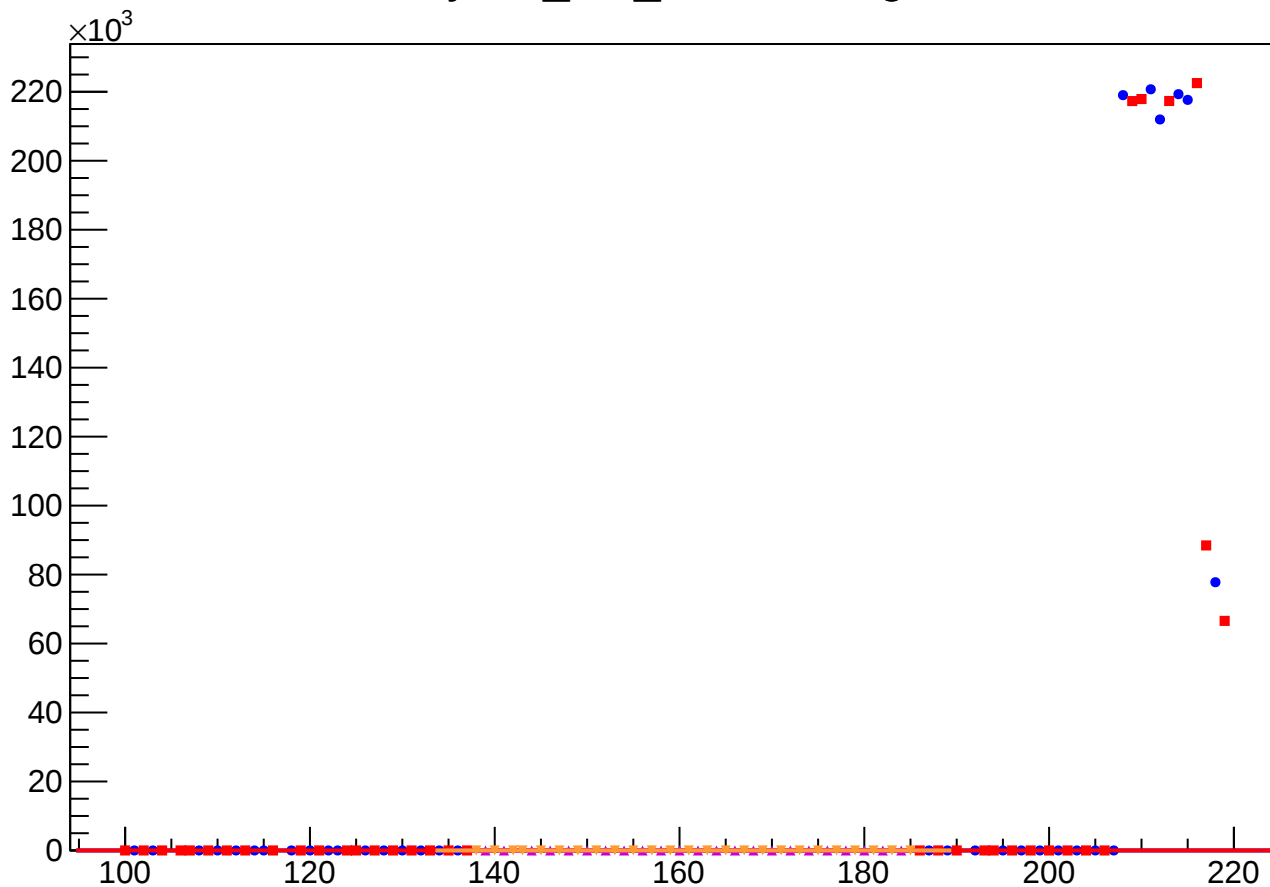
χ^2/NDF : 7325686267870.0/35

- sign -49.388+/-0.000 χ^2/NDF : 11777434409846.6

Left In: -69.458+/-0.000

χ^2/NDF : 52798704.3/22

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 8398639.8/32

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 8599855.8/35

Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 8487841.2/57

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 17207898.3/116

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 8720042.4/58

yield_atl1_mean vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 204709925183.1/32

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 463941835390.7/36

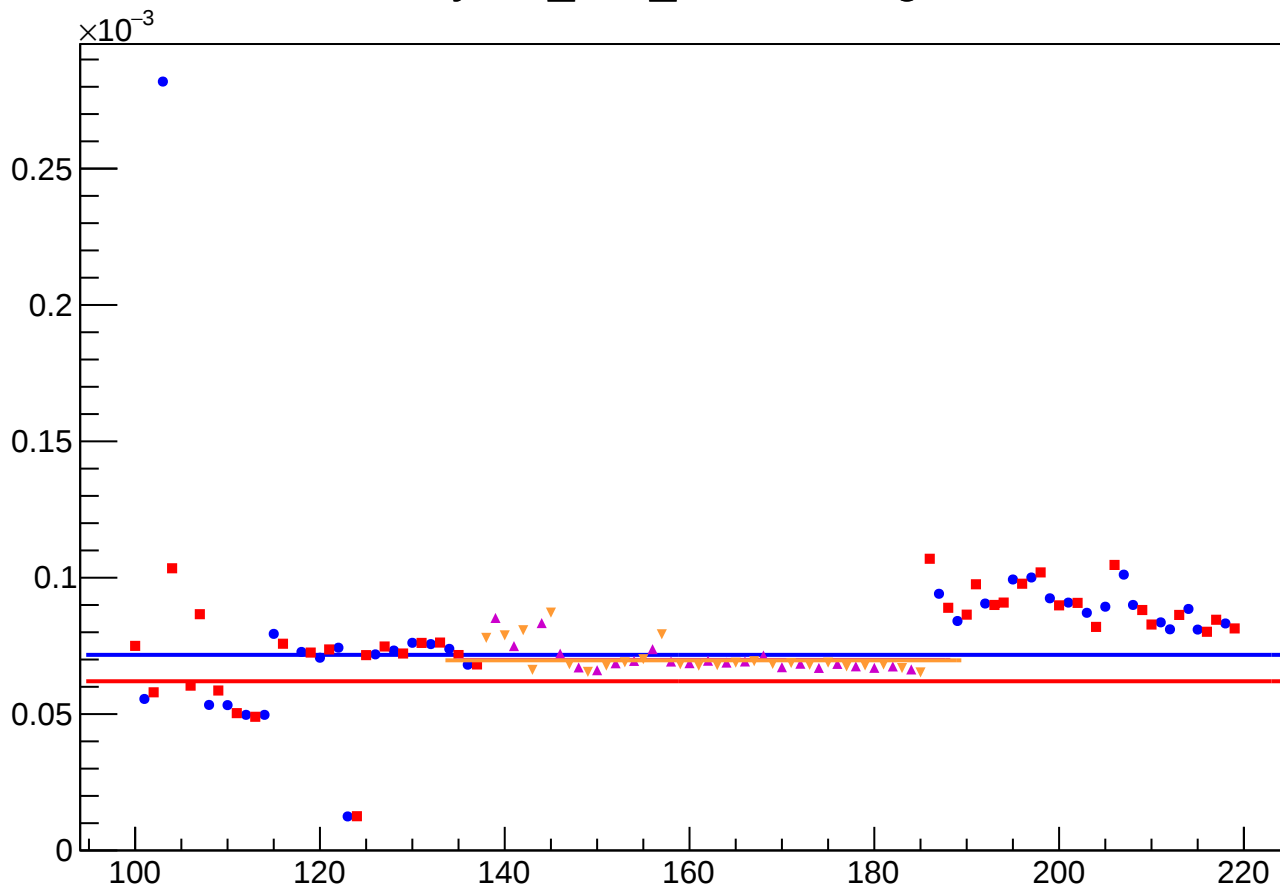
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 230959977790.6/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 821753479007.2

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 572812235050.8/59

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3677823.5/32

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:158125.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7401557.8/36

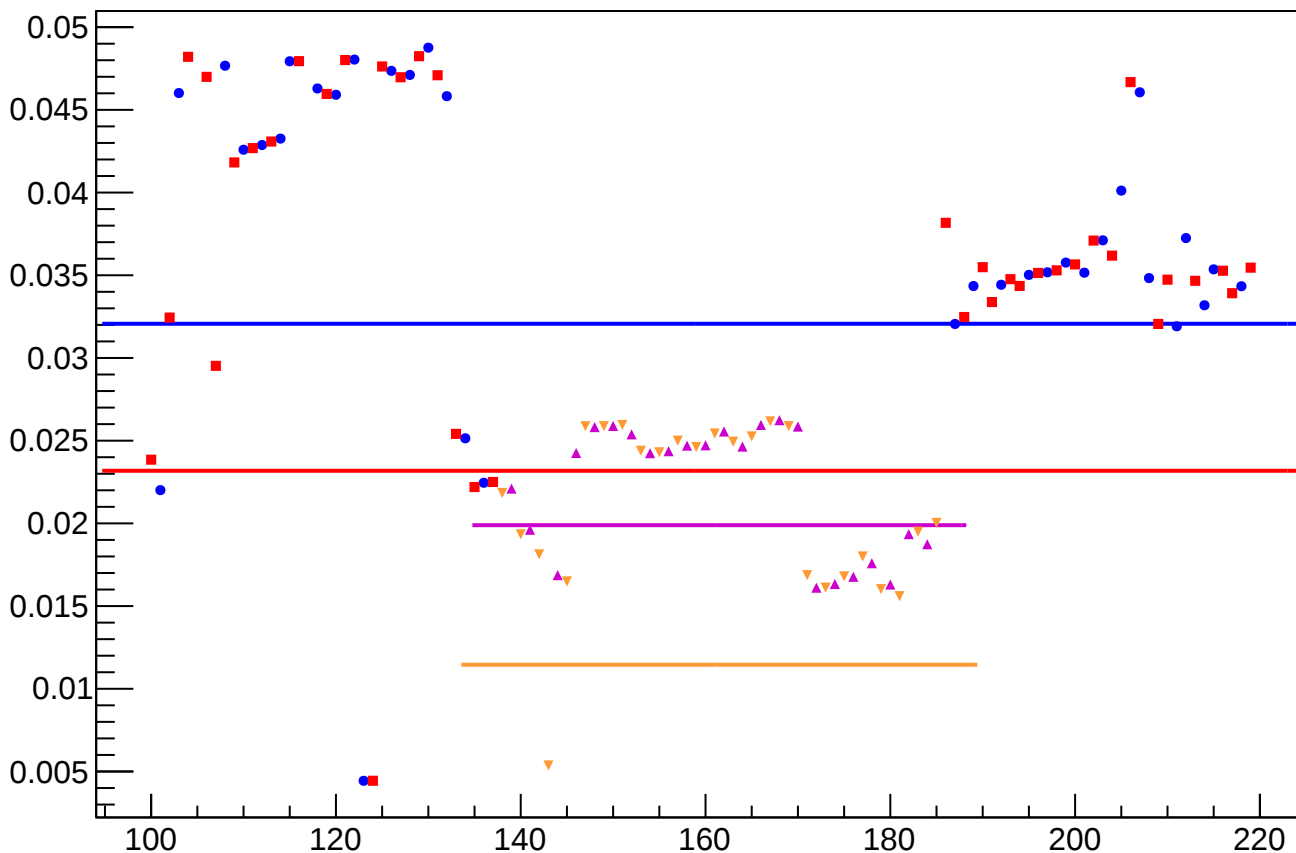
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3849467.6/57

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11776868.0/117

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7757671.0/59

yield_atl2_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 21821096921.2/32

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 45767651500.8/36

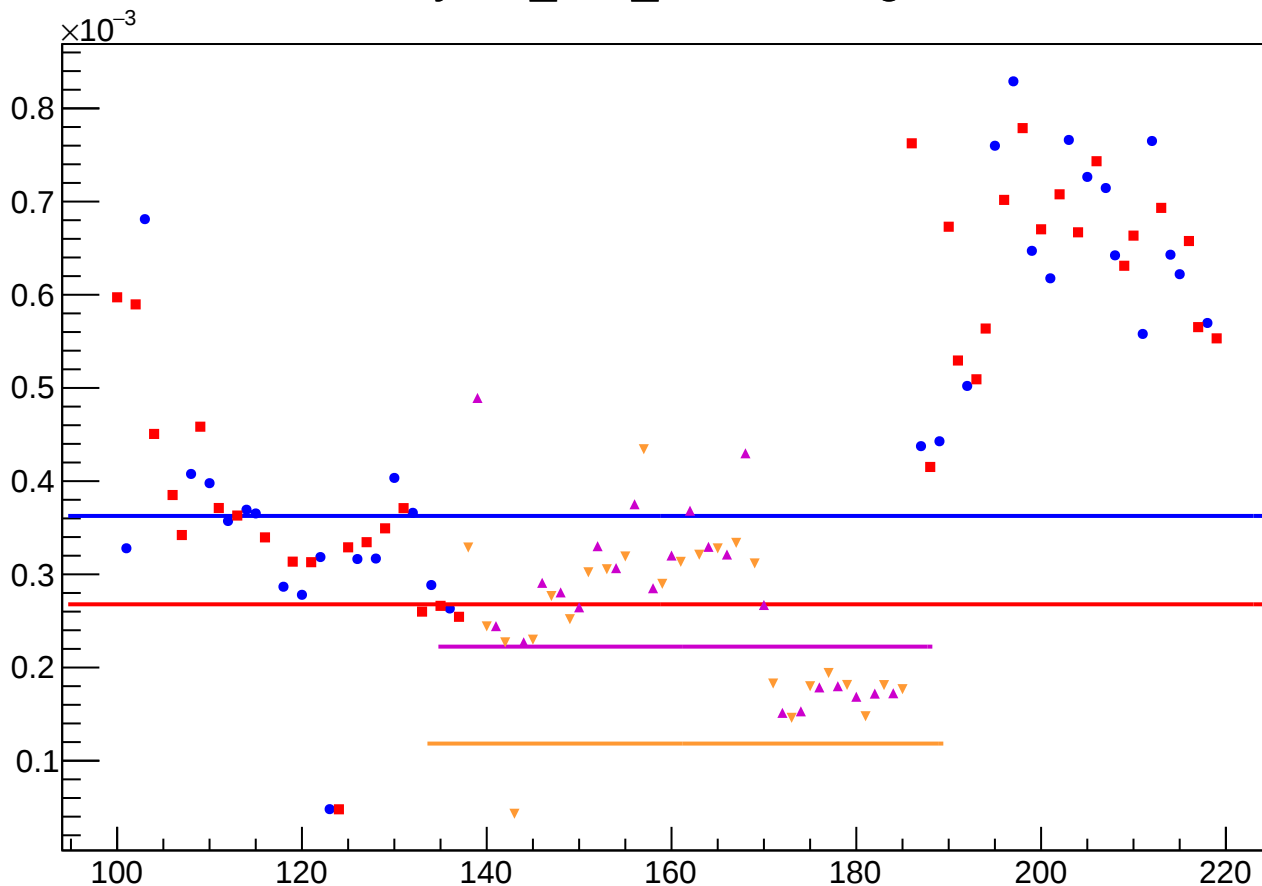
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 98755505704.2/57

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 164321783317.5

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 51293916484.9/59

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8049073.1/32

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14844664.7/36

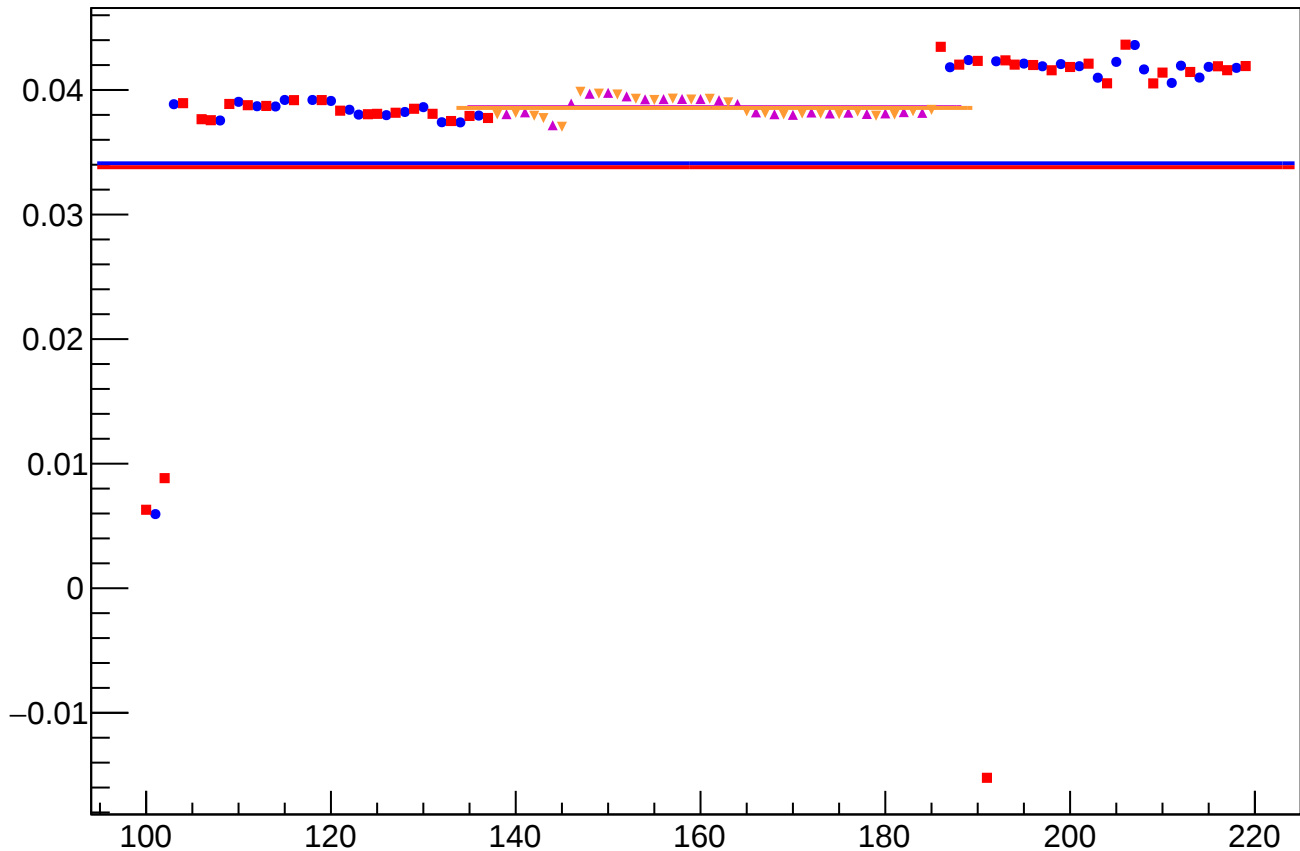
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 31901789.8/57

All: 0.000+/-0.000 χ^2/NDF : 55059796.3/117

- sign 0.000+/-0.000 χ^2/NDF : 18532356.4/59

yield_atr1_mean vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 122035879603.9/32

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 188621784336.3/36

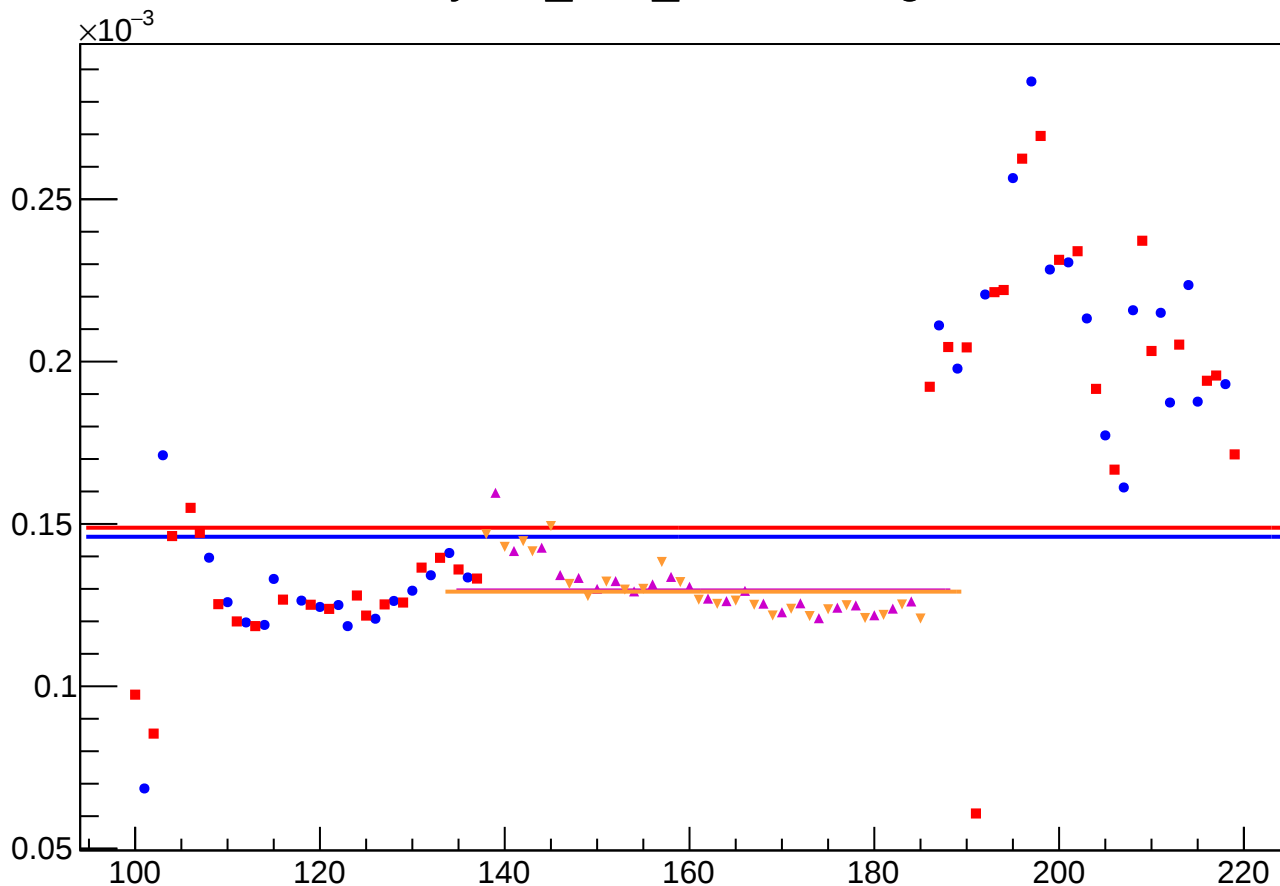
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 131198388484.6/57

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 330421262913.2

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 199185141587.5/59

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3979952.5/32

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3712478.0/36

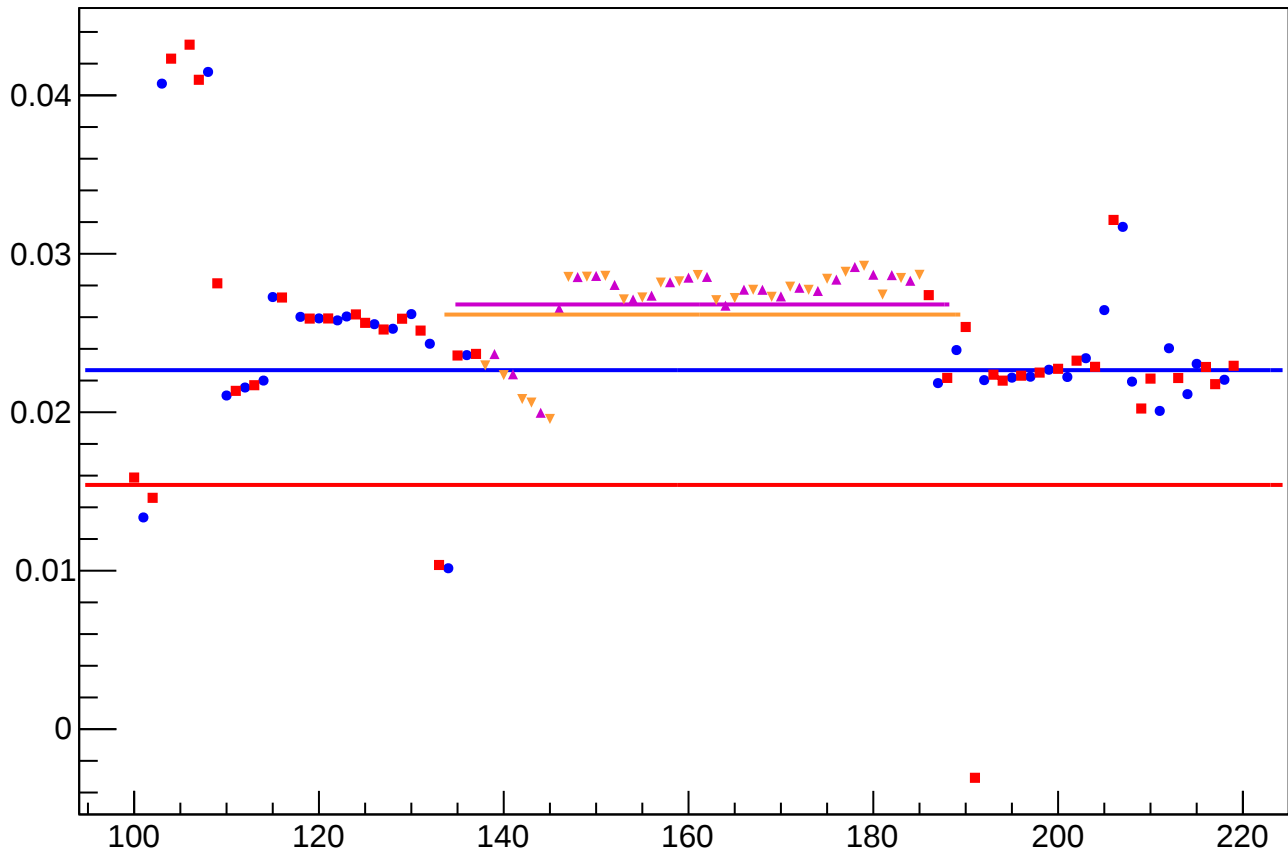
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4359092.1/57

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8516362.8/117

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4151393.4/59

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4429193925.8/32

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 32135187914.2/36

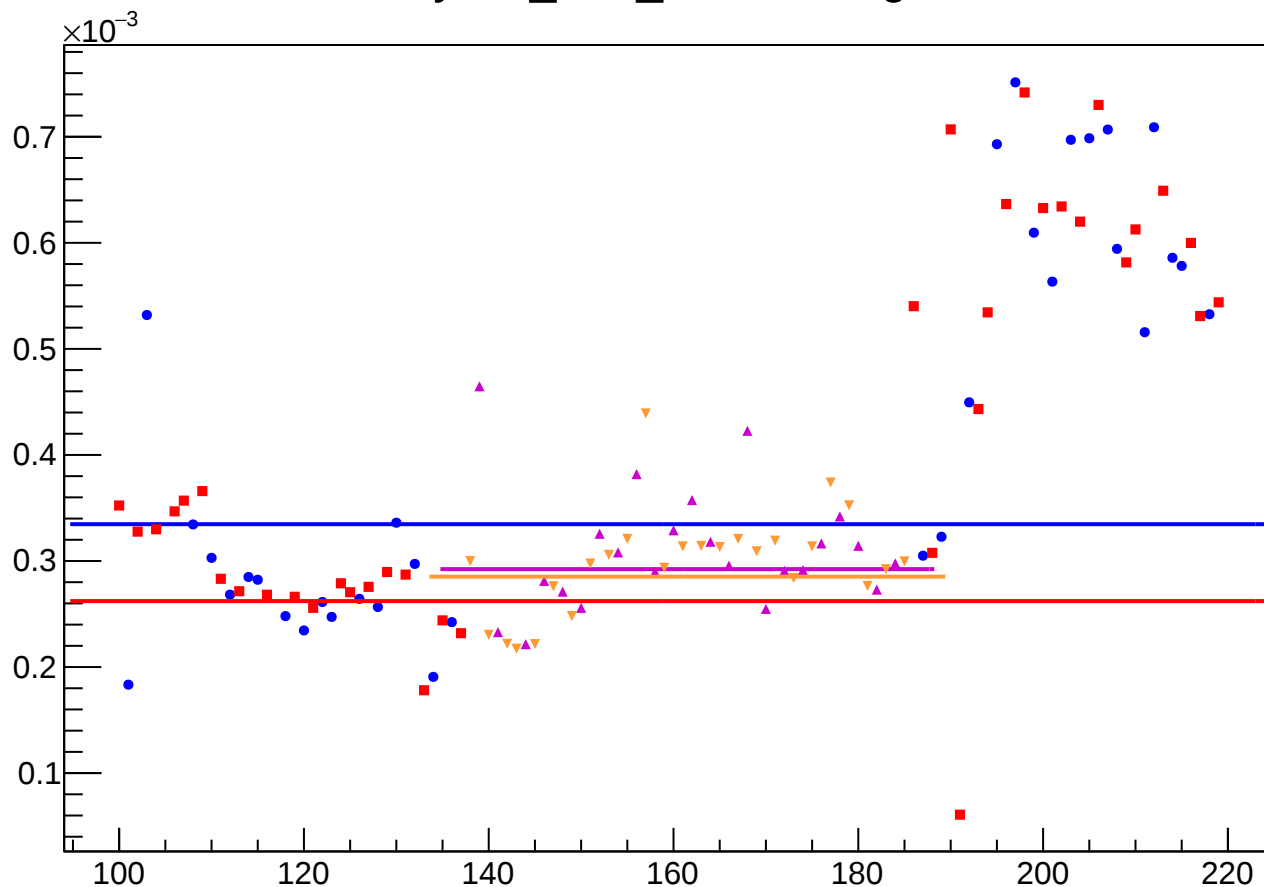
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7428588525.1/57

All: 0.023+/-0.000 χ^2/NDF : 54860556757.7/100

- sign 0.021+/-0.000 χ^2/NDF : 45204276434.4/59

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6110009.8/32

Left Out: 0.000+/-0.000 χ^2/NDF :813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11627707.8/36

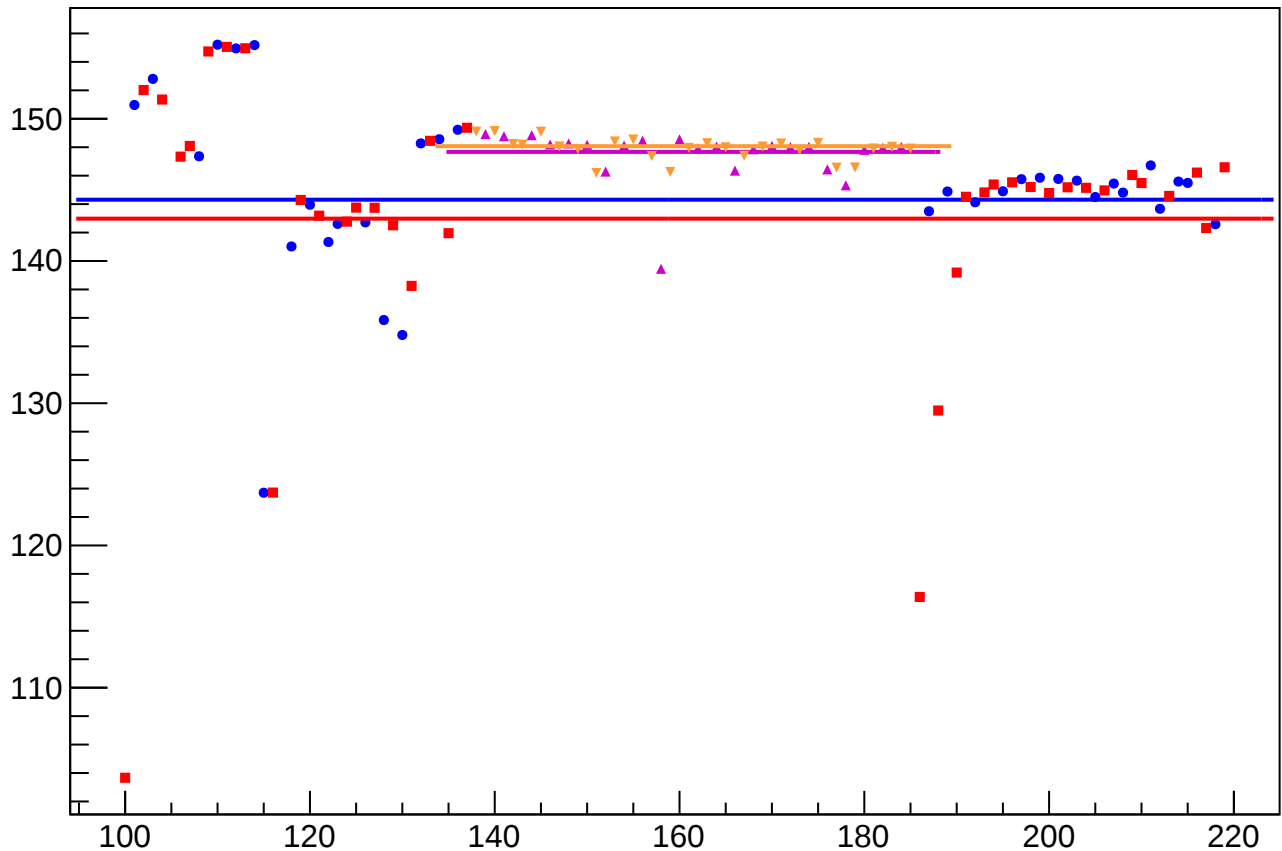
Left In: 0.000+/-0.000 χ^2/NDF :898772.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 7297809.2/57

All: 0.000+/-0.000 χ^2/NDF : 20229261.8/117

- sign 0.000+/-0.000 χ^2/NDF : 12691020.0/59

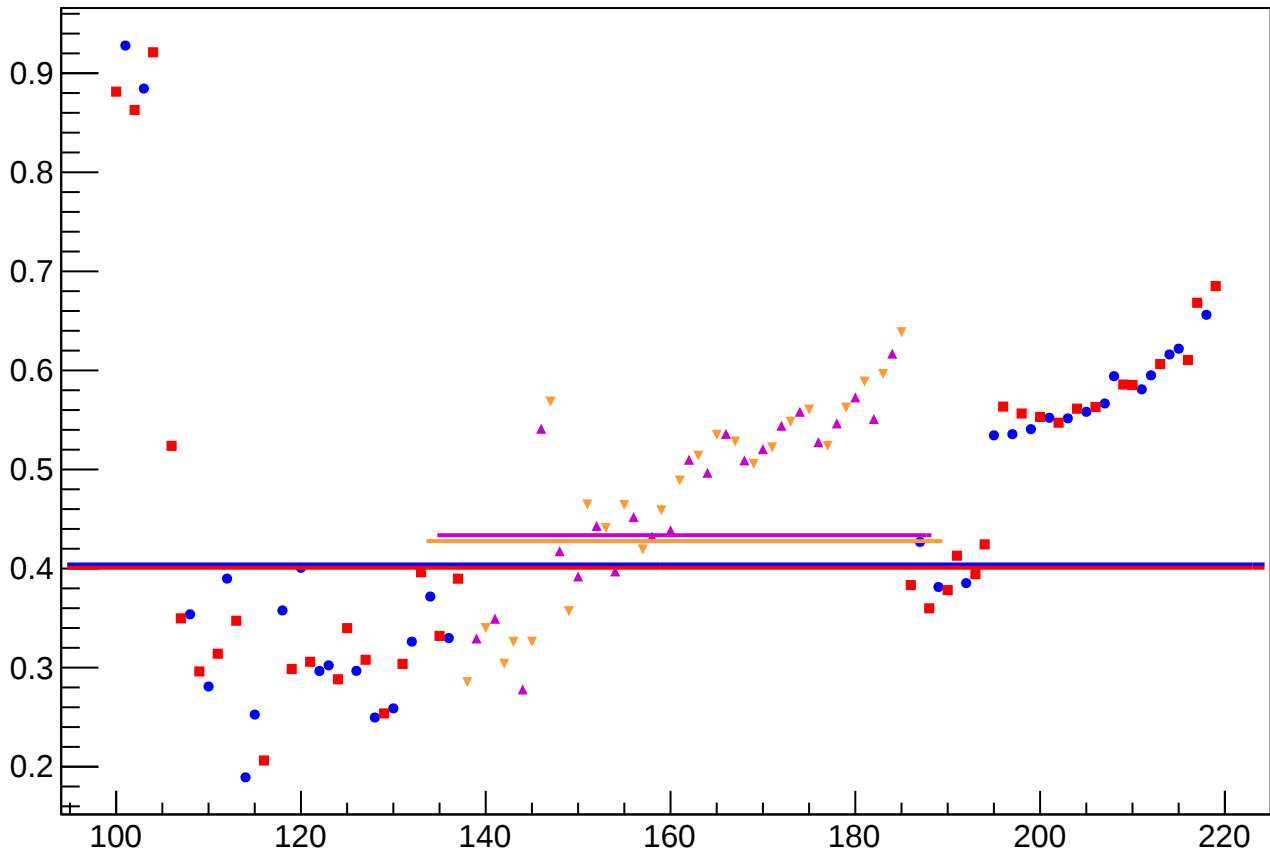
yield_bcm_an_ds_mean vs Slug



Right In: 144.311 ± 0.000 χ^2/NDF : 3514929039.2/32
 Left Out: 148.073 ± 0.000 χ^2/NDF : 65614067.4/24
 Right Out: 142.979 ± 0.000 χ^2/NDF : 7493022901.1/36
 Left In: 147.670 ± 0.000 χ^2/NDF : 345222604.4/22

+ sign 146.178 ± 0.000 χ^2/NDF : 4242030081.3/57
 All: 145.637 ± 0.000 χ^2/NDF : 13228441147.
 - sign 145.107 ± 0.000 χ^2/NDF : 8878105613.1/59

yield_bcm_an_ds_rms vs Slug



Right In: 0.404 $\pm$ 0.000 χ^2 /NDF: 3855539.6/32

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.401 $\pm$ 0.000 χ^2 /NDF: 3803366.0/36

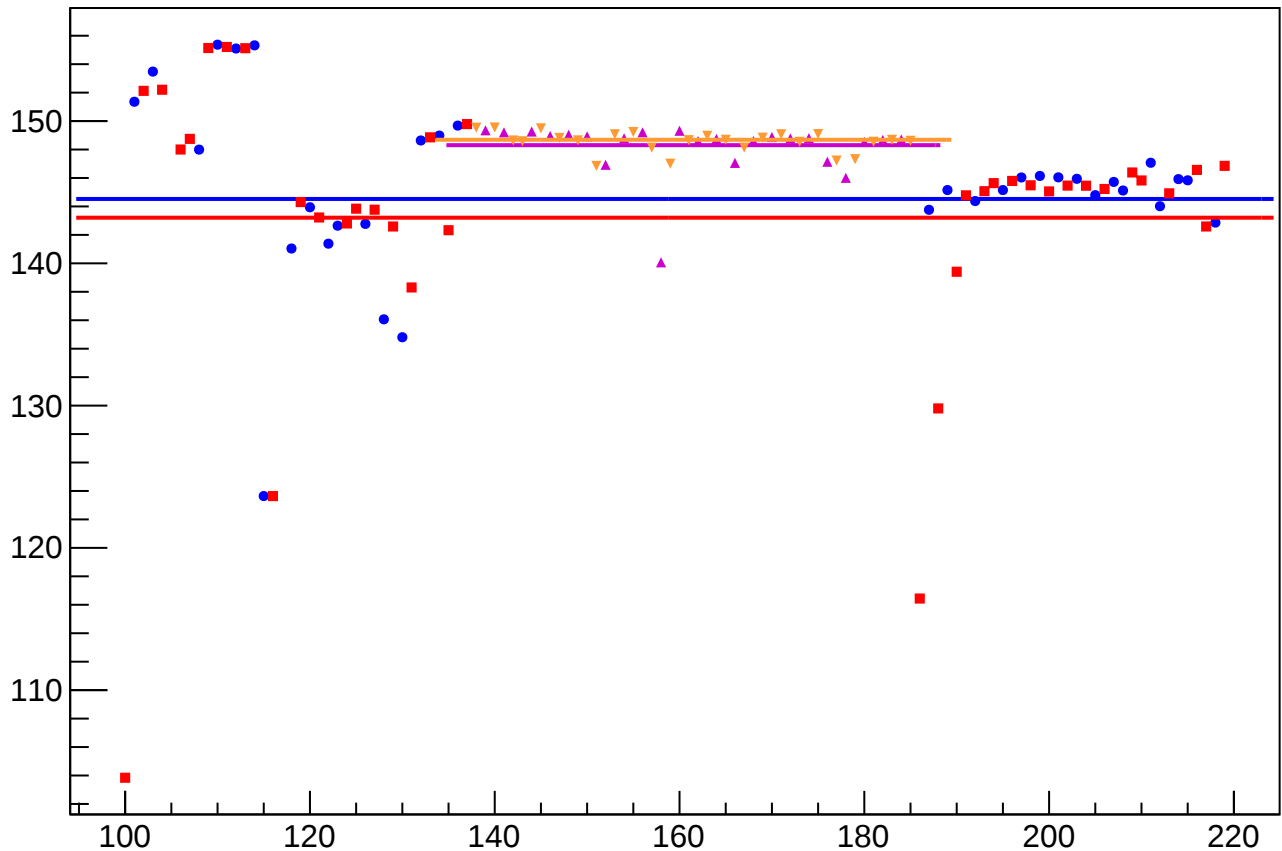
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.416 $\pm$ 0.000 χ^2 /NDF: 5804545.6/57

All: 0.416 $\pm$ 0.000 χ^2 /NDF: 11206173.5/117

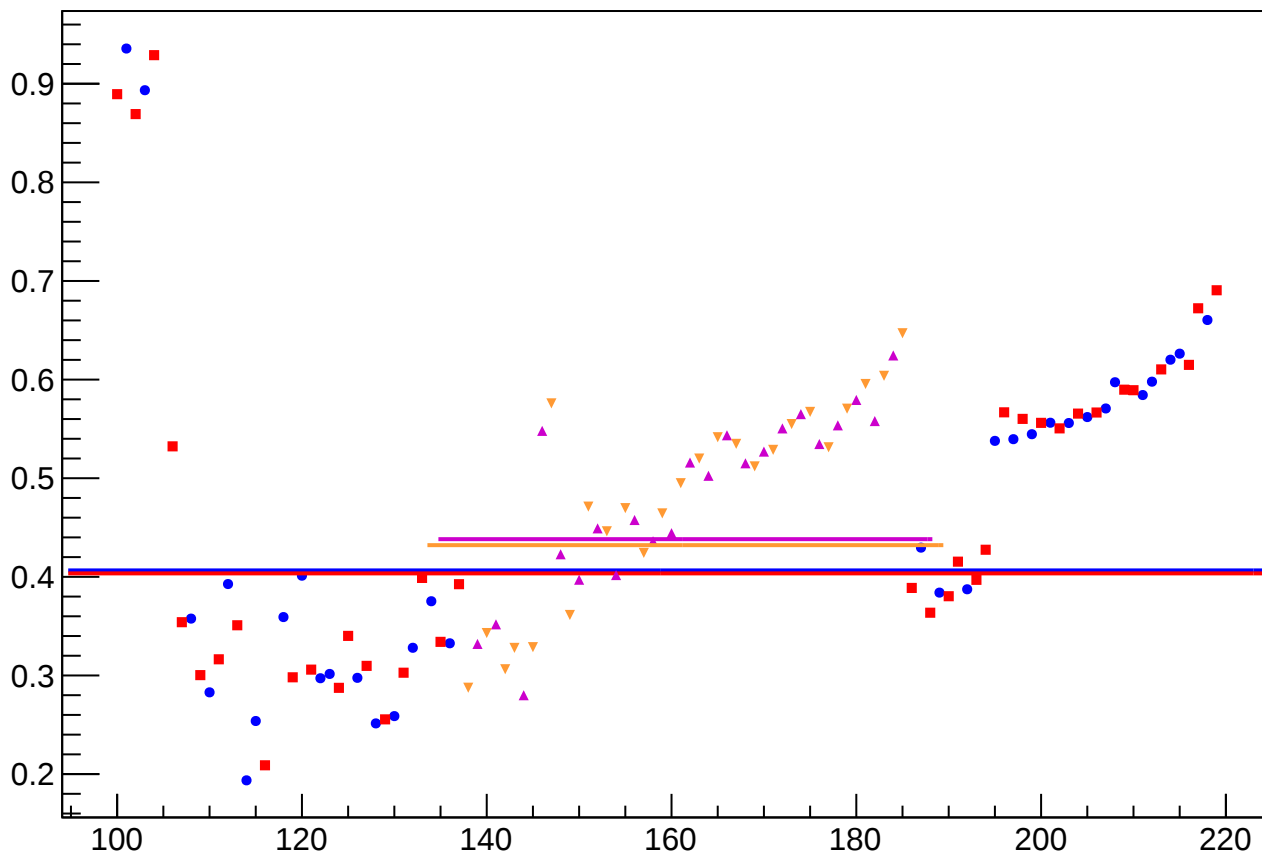
- sign 0.416 $\pm$ 0.000 χ^2 /NDF: 5401625.8/59

yield_bcm_an_ds3_mean vs Slug



Right In: 144.526 $\pm$ 0.000	χ^2 /NDF: 3565977777.1/32	+ sign 146.580 $\pm$ 0.000	χ^2 /NDF: 4414014507.4/57
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218185.1/24	All: 146.041 $\pm$ 0.000	χ^2 /NDF: 13505822094.
Right Out: 143.209 $\pm$ 0.000	χ^2 /NDF: 7445783904.2/36	- sign 145.511 $\pm$ 0.000	χ^2 /NDF: 8985647578.4/59
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.407 $\pm$ 0.000 χ^2/NDF : 3864170.3/32

Left Out: 0.432 $\pm$ 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.404 $\pm$ 0.000 χ^2/NDF : 3807987.3/36

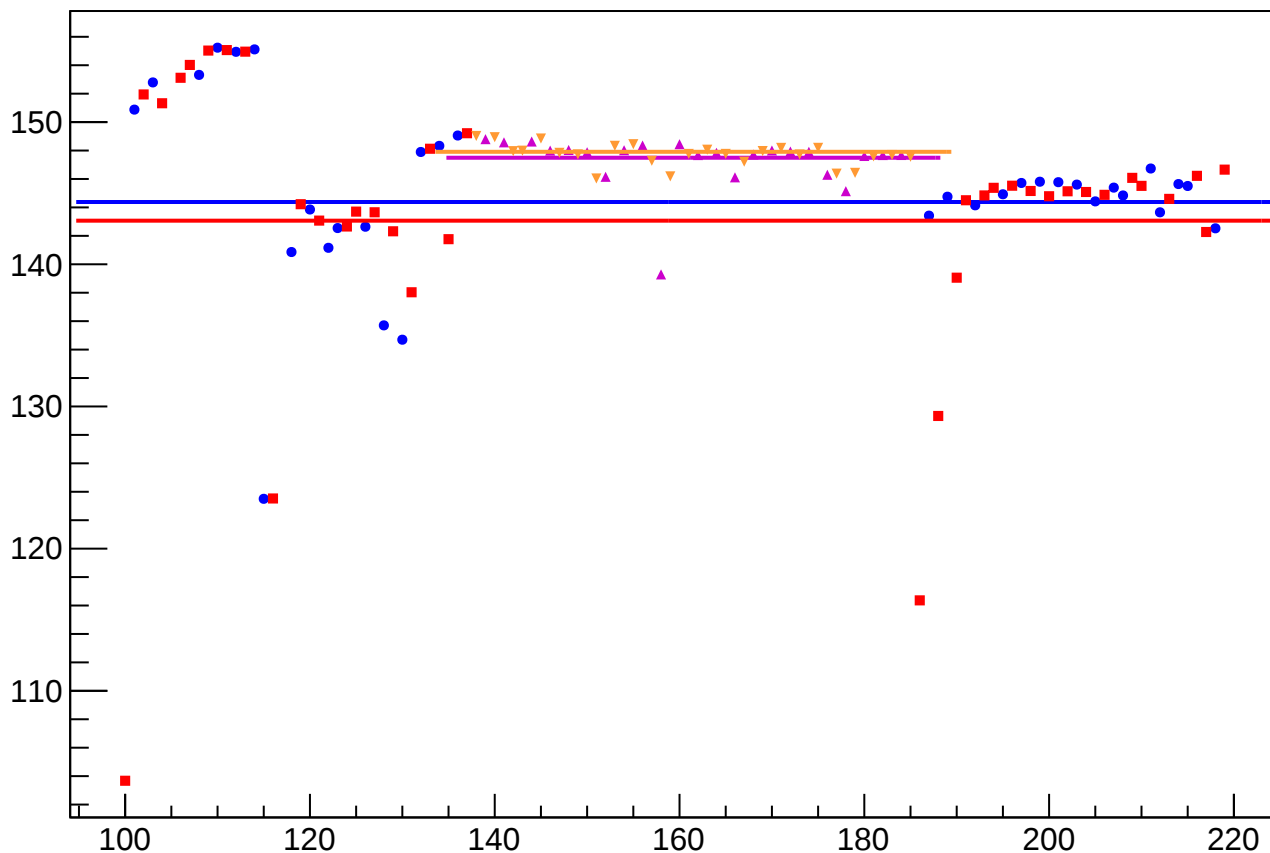
Left In: 0.438 $\pm$ 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.419 $\pm$ 0.000 χ^2/NDF : 5853514.1/57

All: 0.419 $\pm$ 0.000 χ^2/NDF : 11295199.2/117

- sign 0.419 $\pm$ 0.000 χ^2/NDF : 5441685.1/59

yield_bcm_an_us_mean vs Slug



Right In: 144.381+/-0.000 χ^2/NDF : 3720974553.4/32

Left Out: 147.911+/-0.000 χ^2/NDF : 64412407.9/24

Right Out: 143.067+/-0.000 χ^2/NDF : 7865957569.8/36

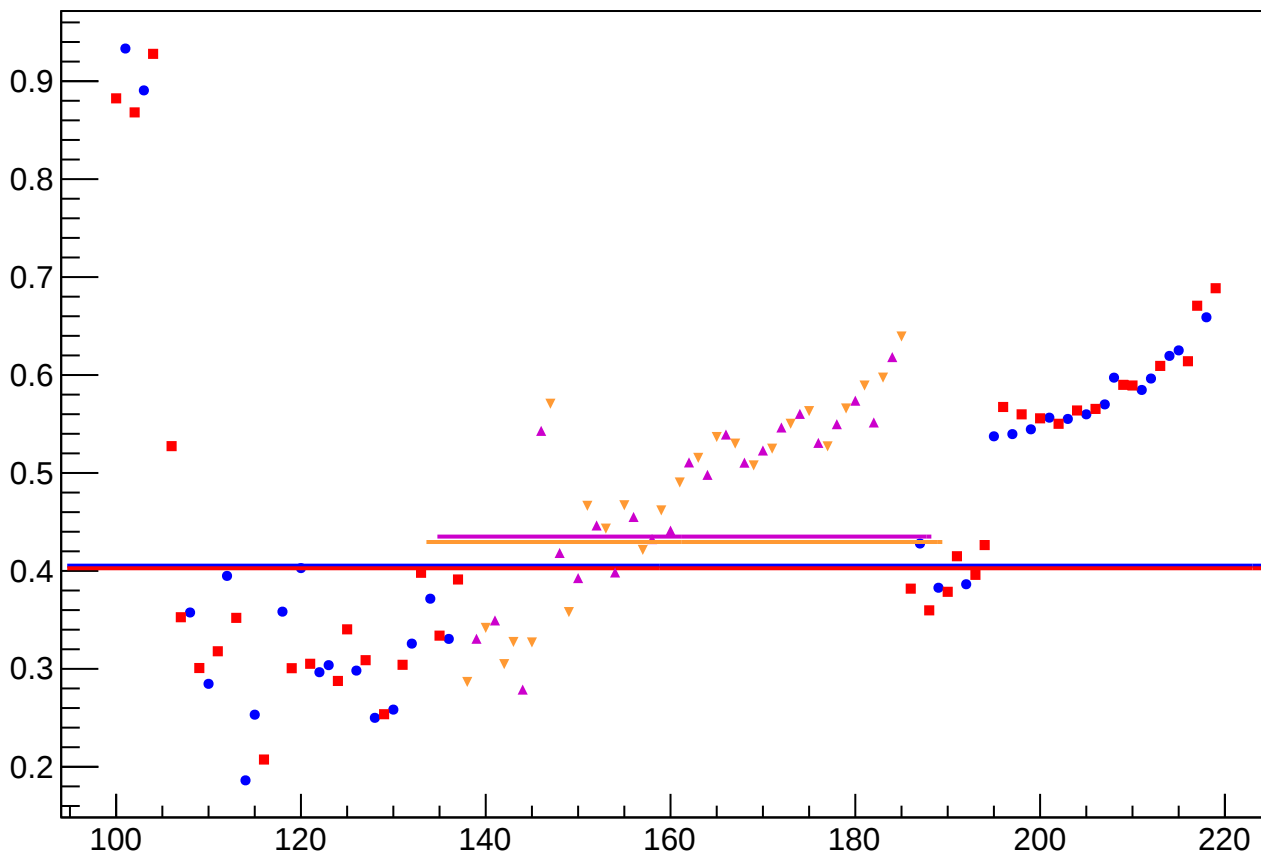
Left In: 147.493+/-0.000 χ^2/NDF : 343978473.2/22

+ sign 146.132+/-0.000 χ^2/NDF : 4363488454.9/57

All: 145.600+/-0.000 χ^2/NDF : 13595803742.

- sign 145.078+/-0.000 χ^2/NDF : 9128288706.0/59

yield_bcm_an_us_rms vs Slug



Right In: 0.405+/-0.000 χ^2/NDF : 3895338.4/32

Left Out: 0.430+/-0.000 χ^2/NDF :1895701.4/24

Right Out: 0.403+/-0.000 χ^2/NDF : 3810586.2/36

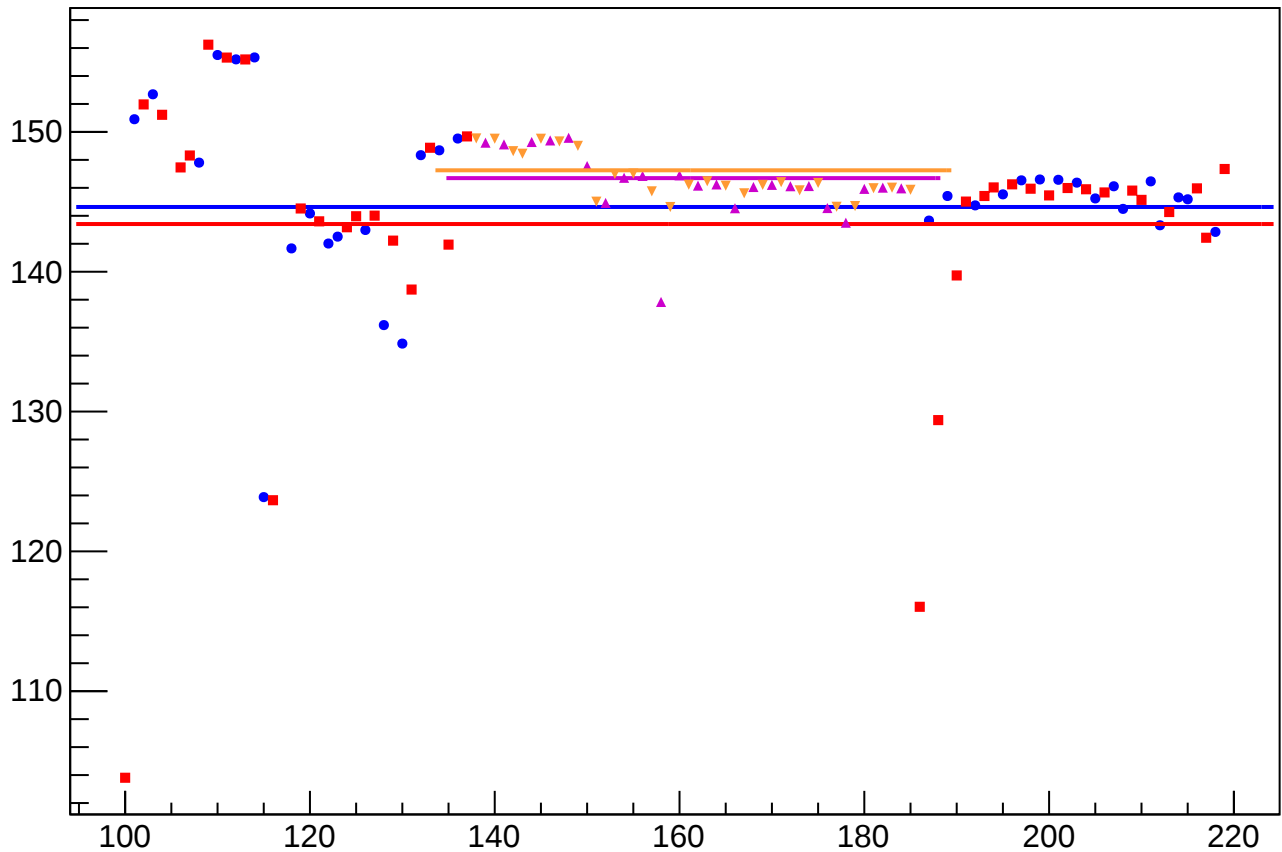
Left In: 0.435+/-0.000 χ^2/NDF :1502712.5/22

+ sign 0.417+/-0.000 χ^2/NDF : 5845141.5/57

All: 0.417+/-0.000 χ^2/NDF : 11256620.0/117

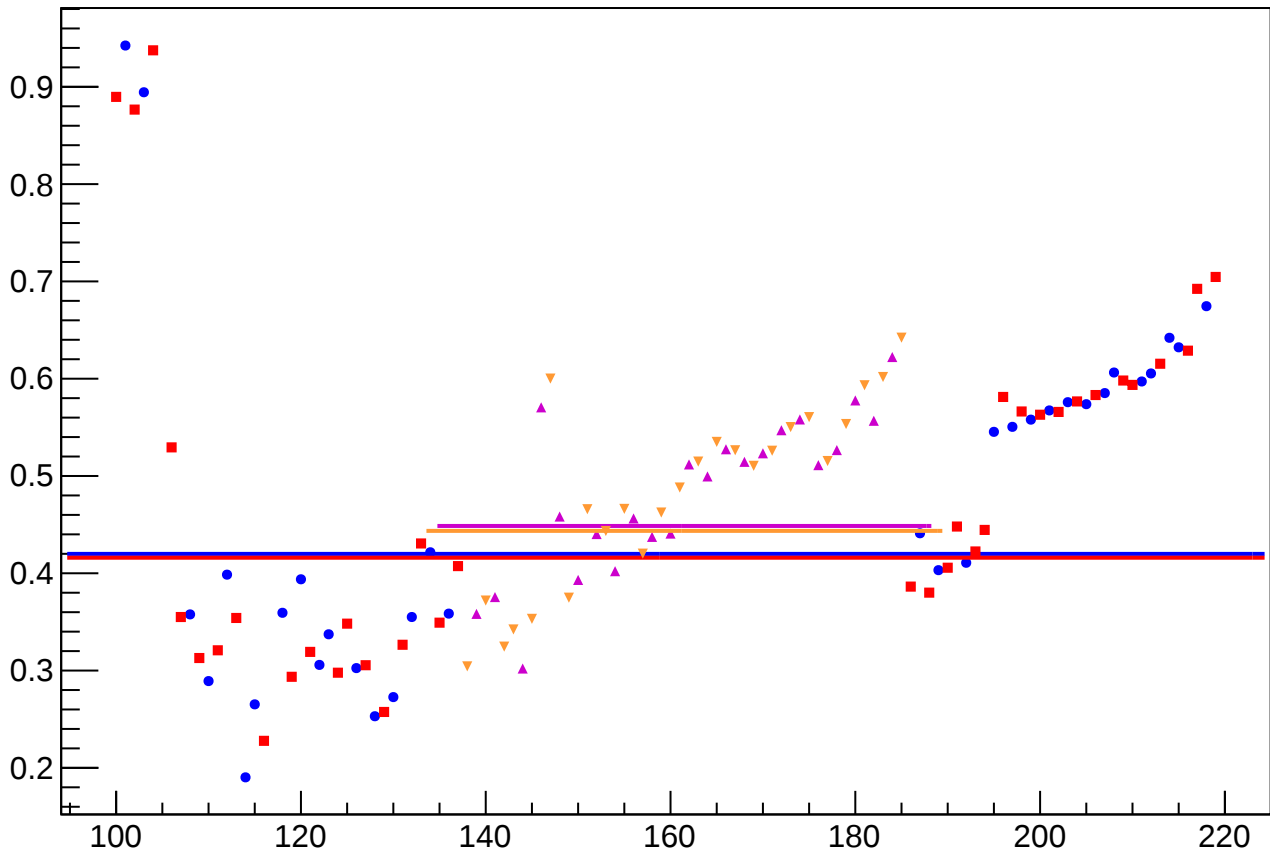
- sign 0.417+/-0.000 χ^2/NDF : 5411478.1/59

yield_bcm_dg_us_mean vs Slug



Right In: 144.632 $\pm$ 0.000	χ^2 /NDF: 3239467140.8/32	+ sign 145.942 $\pm$ 0.000	χ^2 /NDF: 3801438593.6/57
Left Out: 147.255 $\pm$ 0.000	χ^2 /NDF: 262138049.8/24	All: 145.423 $\pm$ 0.000	χ^2 /NDF: 12111092345.
Right Out: 143.412 $\pm$ 0.000	χ^2 /NDF: 7181518011.6/36	- sign 144.915 $\pm$ 0.000	χ^2 /NDF: 8216557517.5/59
Left In: 146.695 $\pm$ 0.000	χ^2 /NDF: 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.420 ± 0.000 χ^2/NDF : 3763734.5/32

Left Out: 0.444 ± 0.000 χ^2/NDF : 1483434.7/24

Right Out: 0.416 ± 0.000 χ^2/NDF : 3691788.7/36

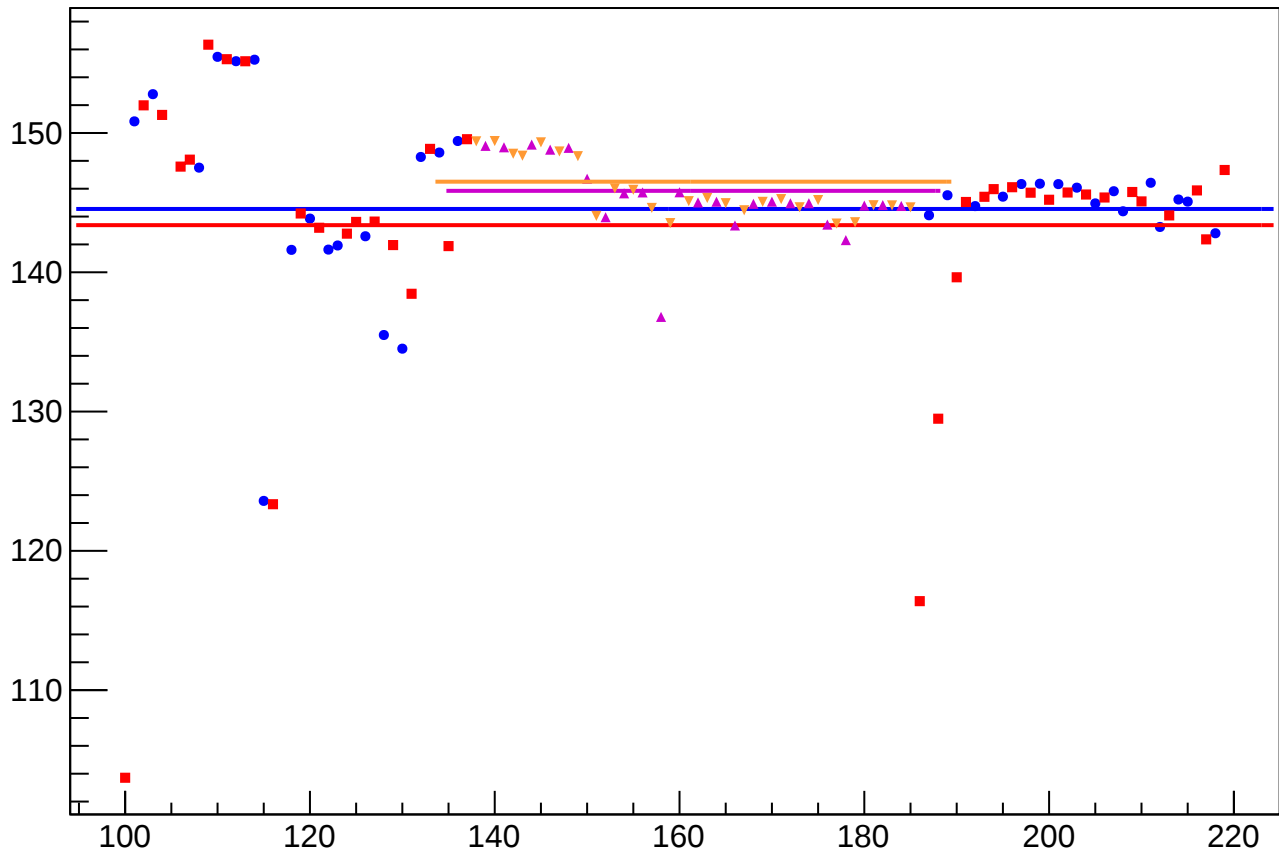
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.432 ± 0.000 χ^2/NDF : 5295948.6/57

All: 0.431 ± 0.000 χ^2/NDF : 10214826.4/117

- sign 0.431 ± 0.000 χ^2/NDF : 4918760.5/59

yield_bcm_dg_ds_mean vs Slug



Right In: 144.546 $\pm$ 0.000 χ^2 /NDF: 3349027773.0/32

Left Out: 146.505 $\pm$ 0.000 χ^2 /NDF: 401688176.3/24

Right Out: 143.383 $\pm$ 0.000 χ^2 /NDF: 7133128296.2/36

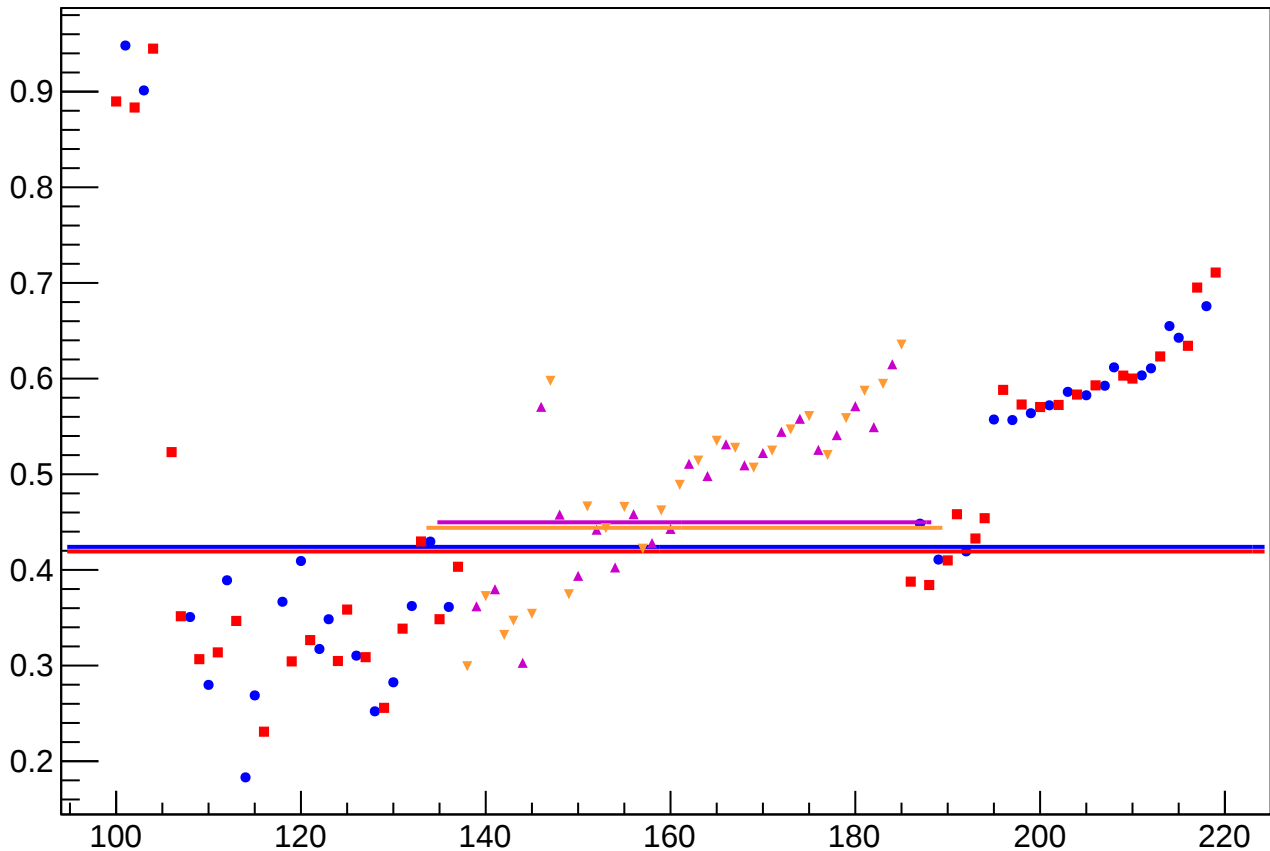
Left In: 145.847 $\pm$ 0.000 χ^2 /NDF: 694764545.6/22

+ sign 145.535 $\pm$ 0.000 χ^2 /NDF: 3915816742.2/57

All: 145.021 $\pm$ 0.000 χ^2 /NDF: 12099048735.

- sign 144.519 $\pm$ 0.000 χ^2 /NDF: 8093381874.8/59

yield_bcm_dg_ds_rms vs Slug



Right In: 0.424 $\pm$ 0.000 χ^2 /NDF: 3814525.8/32

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 3725416.4/36

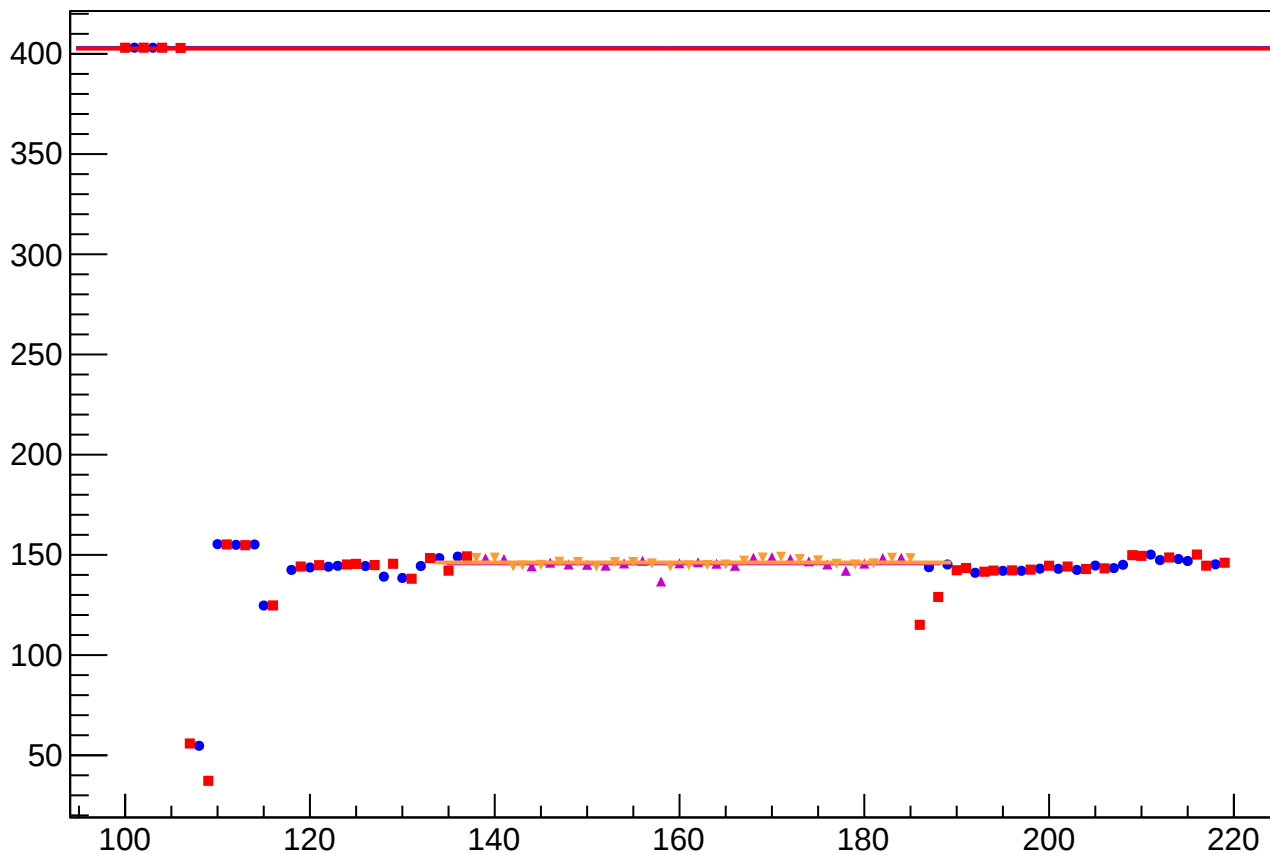
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.434 $\pm$ 0.000 χ^2 /NDF: 5311955.1/57

All: 0.434 $\pm$ 0.000 χ^2 /NDF: 10224302.1/117

- sign 0.433 $\pm$ 0.000 χ^2 /NDF: 4912231.3/59

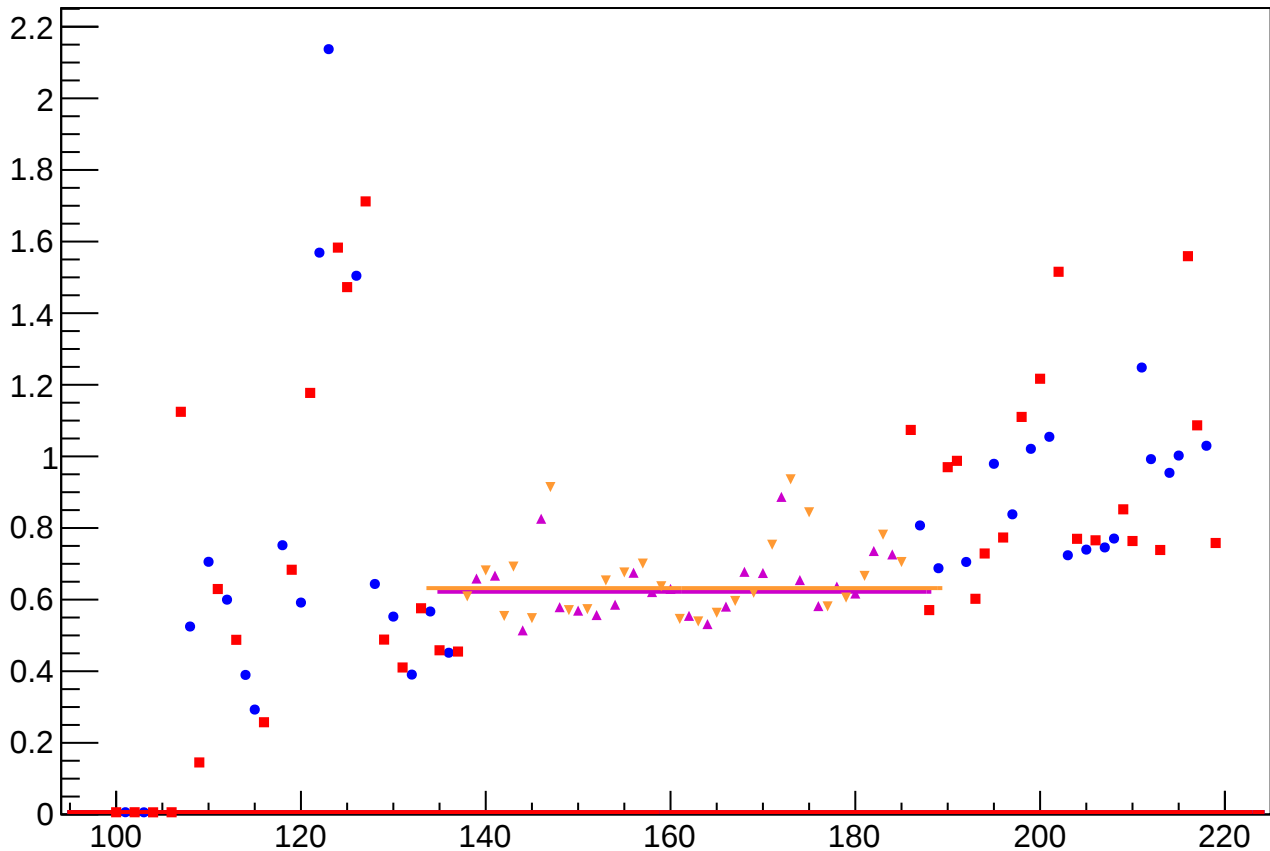
yield_cav4bQ_mean vs Slug



Right In: 402.854 $\pm$ 0.000 χ^2 /NDF: 1930473326000.7/32
 Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24
 Right Out: 402.678 $\pm$ 0.000 χ^2 /NDF: 4212475367769.0/36
 Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.558 $\pm$ 0.000 χ^2 /NDF: 4300554696391.3
 All: 402.484 $\pm$ 0.000 χ^2 /NDF: 10858588441.1
 - sign 402.419 $\pm$ 0.000 χ^2 /NDF: 6557717414162.1

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 27360914.6/32

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 30507750.8/36

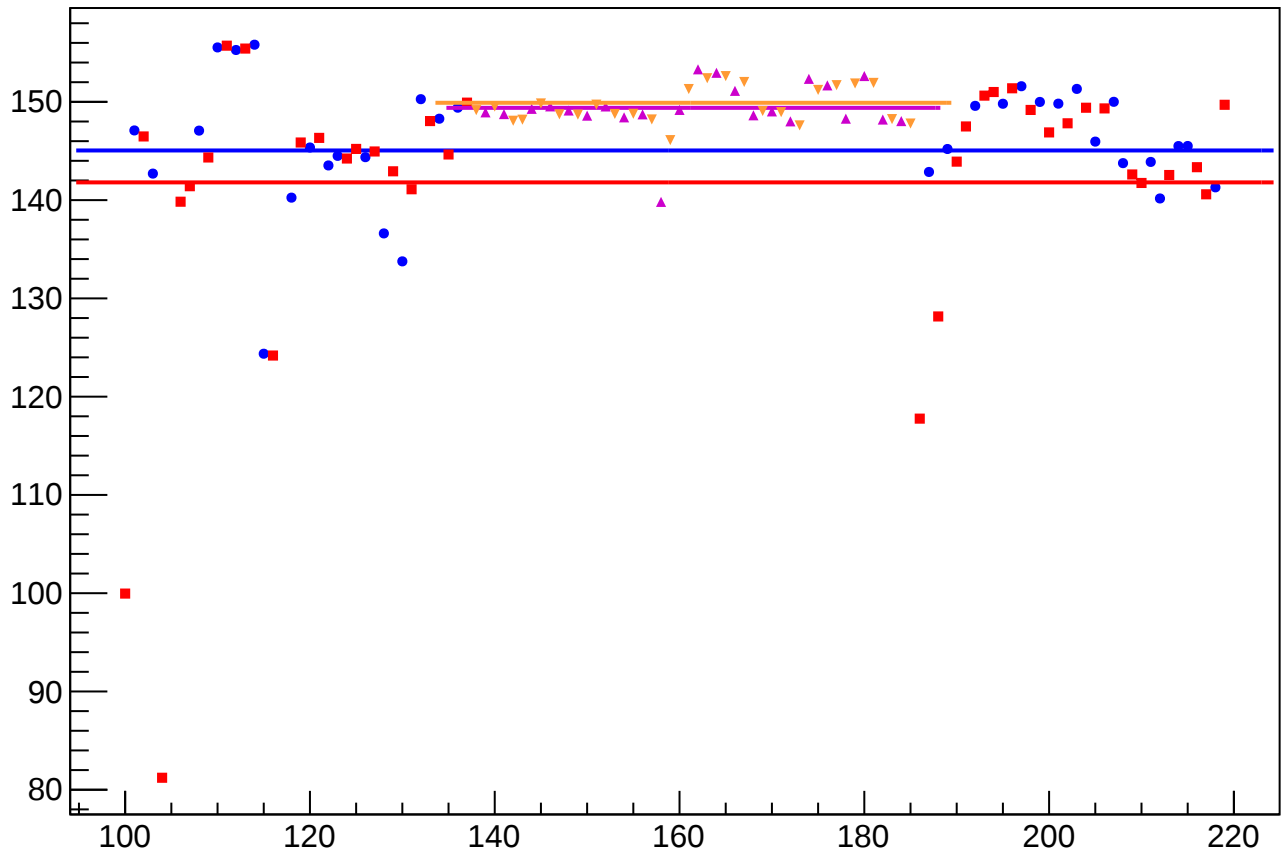
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 56124212.6/57

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 113935696.0/117

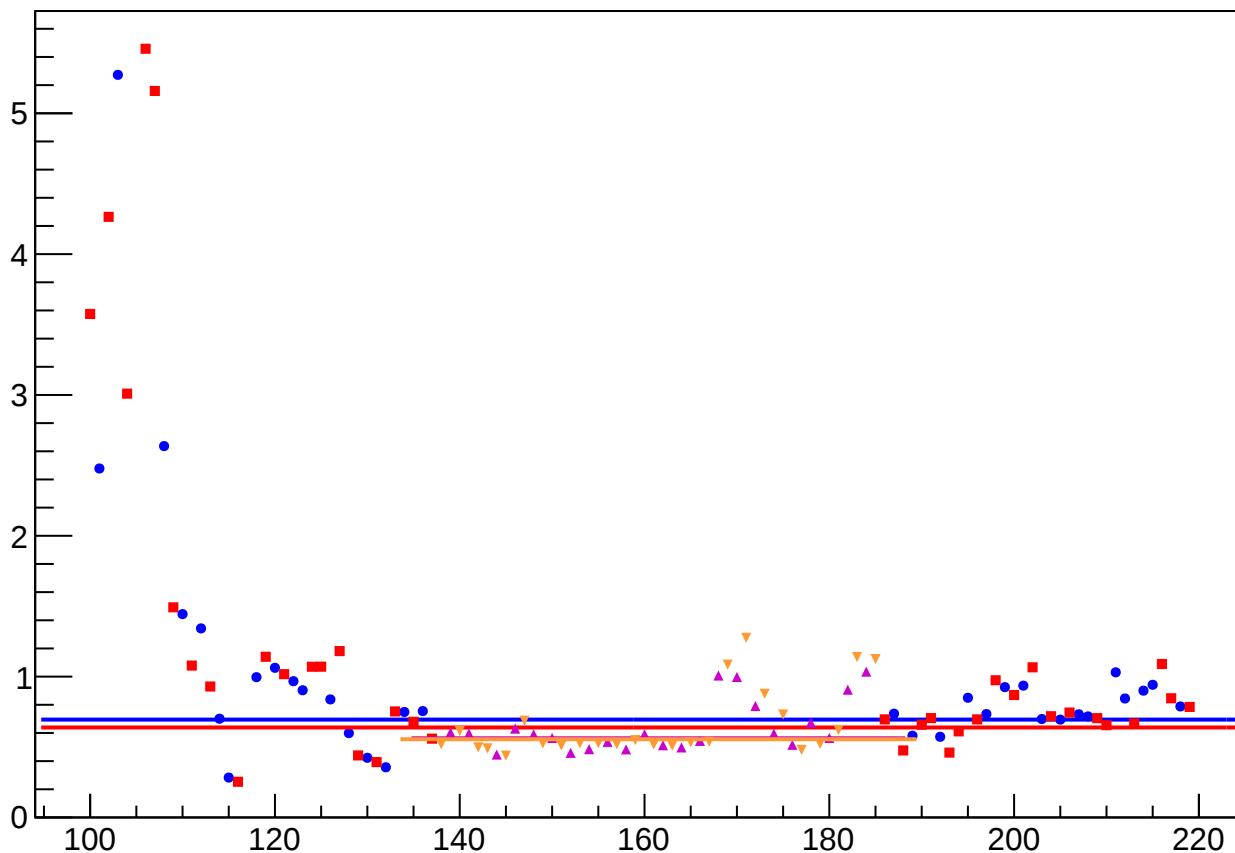
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 57811224.1/59

yield_cav4cQ_mean vs Slug



Right In: 145.053 $\pm$ 0.000	χ^2 /NDF: 1379417191.1/32	+ sign 148.239 $\pm$ 0.000	χ^2 /NDF: 1954546905.6/57
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.217 $\pm$ 0.000	χ^2 /NDF: 7024271668.6
Right Out: 141.804 $\pm$ 0.000	χ^2 /NDF: 3337613774.1/36	- sign 146.243 $\pm$ 0.000	χ^2 /NDF: 4911408532.4/59
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.695 ± 0.000 χ^2/NDF : 4366724.6/32

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.639 ± 0.000 χ^2/NDF : 5968361.0/36

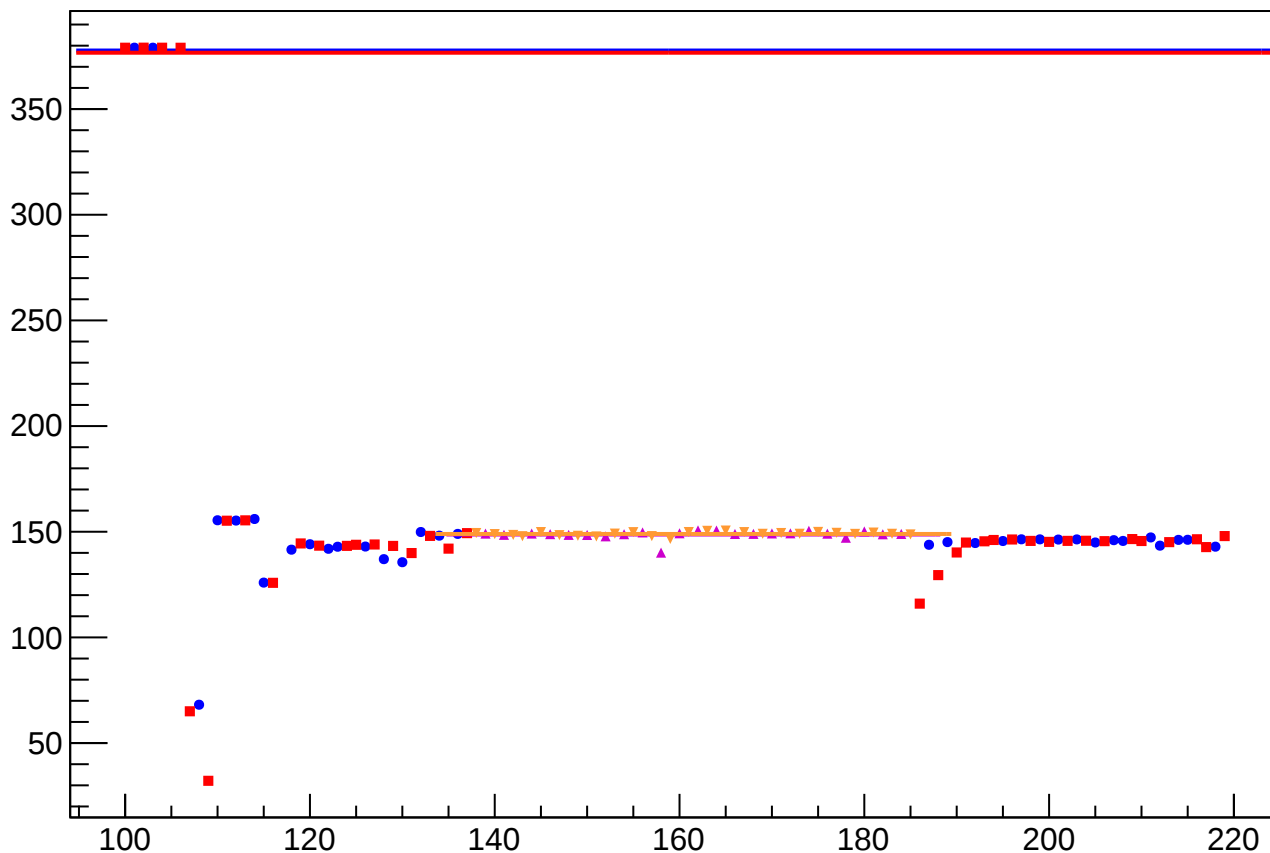
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.603 ± 0.000 χ^2/NDF : 6821102.5/57

All: 0.599 ± 0.000 χ^2/NDF : 14340712.5/117

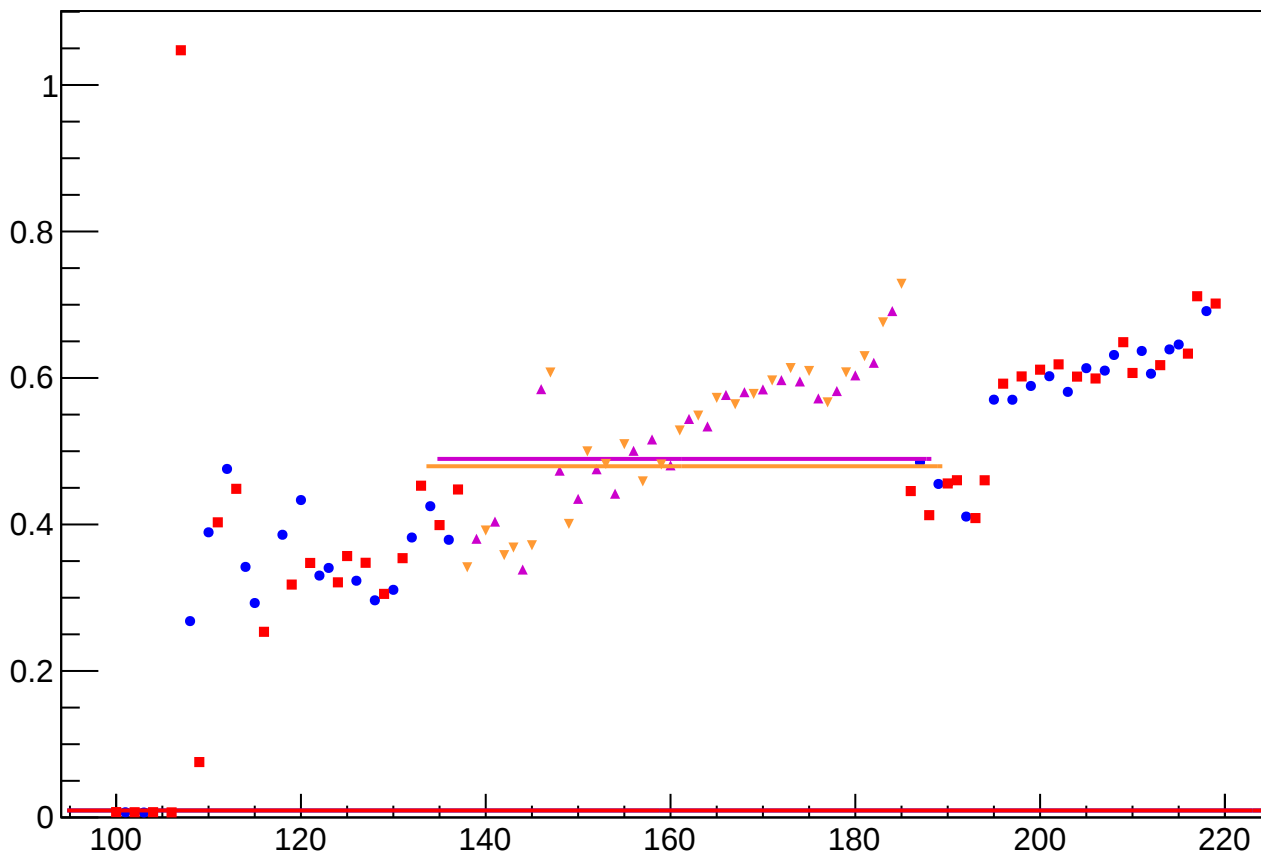
- sign 0.594 ± 0.000 χ^2/NDF : 7512643.3/59

yield_cav4dQ_mean vs Slug



Right In: 377.702+/-0.000	χ^2/NDF : 4307554307218.7/32	+ sign 376.426+/-0.000	χ^2/NDF : 8203140051409.6
Left Out: 148.946+/-0.000	χ^2/NDF : 63974844.7/24	All: 376.007+/-0.000	χ^2/NDF : 222793397850
Right Out: 376.666+/-0.000	χ^2/NDF : 10506024307883.4/36	- sign 375.639+/-0.000	χ^2/NDF : 14071766772249.1
Left In: 148.683+/-0.000	χ^2/NDF : 253848207.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 31342433.2/32

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 33045593.5/36

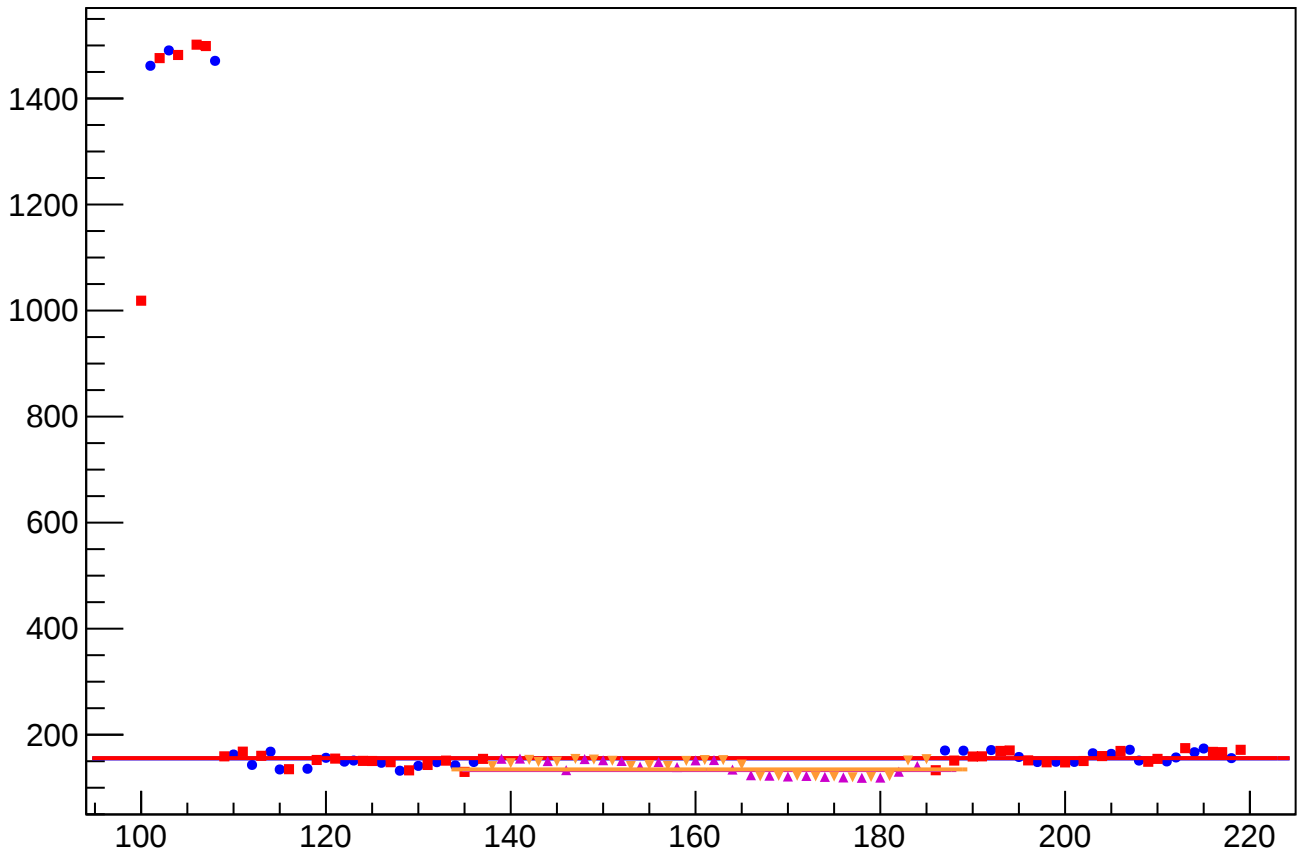
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 65744621.6/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 131489069.5/117

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 65741732.9/59

yield_bcm0l02_mean vs Slug



Right In: 155.221+/-0.000 χ^2/NDF : 26161591645.5/32

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 155.865+/-0.000 χ^2/NDF : 35434719193.9/36

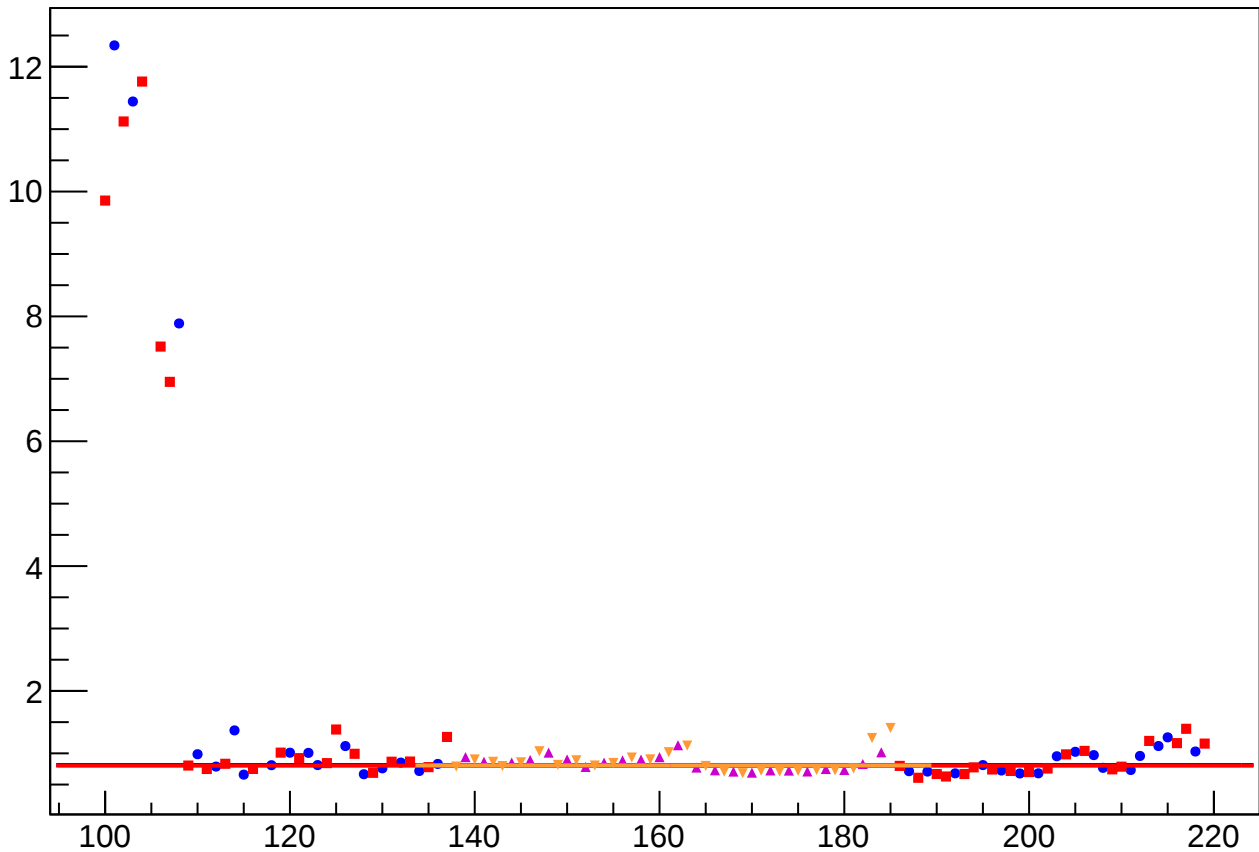
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 144.059+/-0.000 χ^2/NDF : 35190392037.3/57

All: 144.227+/-0.000 χ^2/NDF : 80716122164.0

- sign 144.390+/-0.000 χ^2/NDF : 45523291925.8/59

yield_bcm0l02_rms vs Slug



Right In: 0.814 ± 0.000 $\chi^2/\text{NDF}: 3363798.9/32$

Left Out: 0.807 ± 0.000 $\chi^2/\text{NDF}: 704181.3/24$

Right Out: 0.803 ± 0.000 $\chi^2/\text{NDF}: 3933074.0/36$

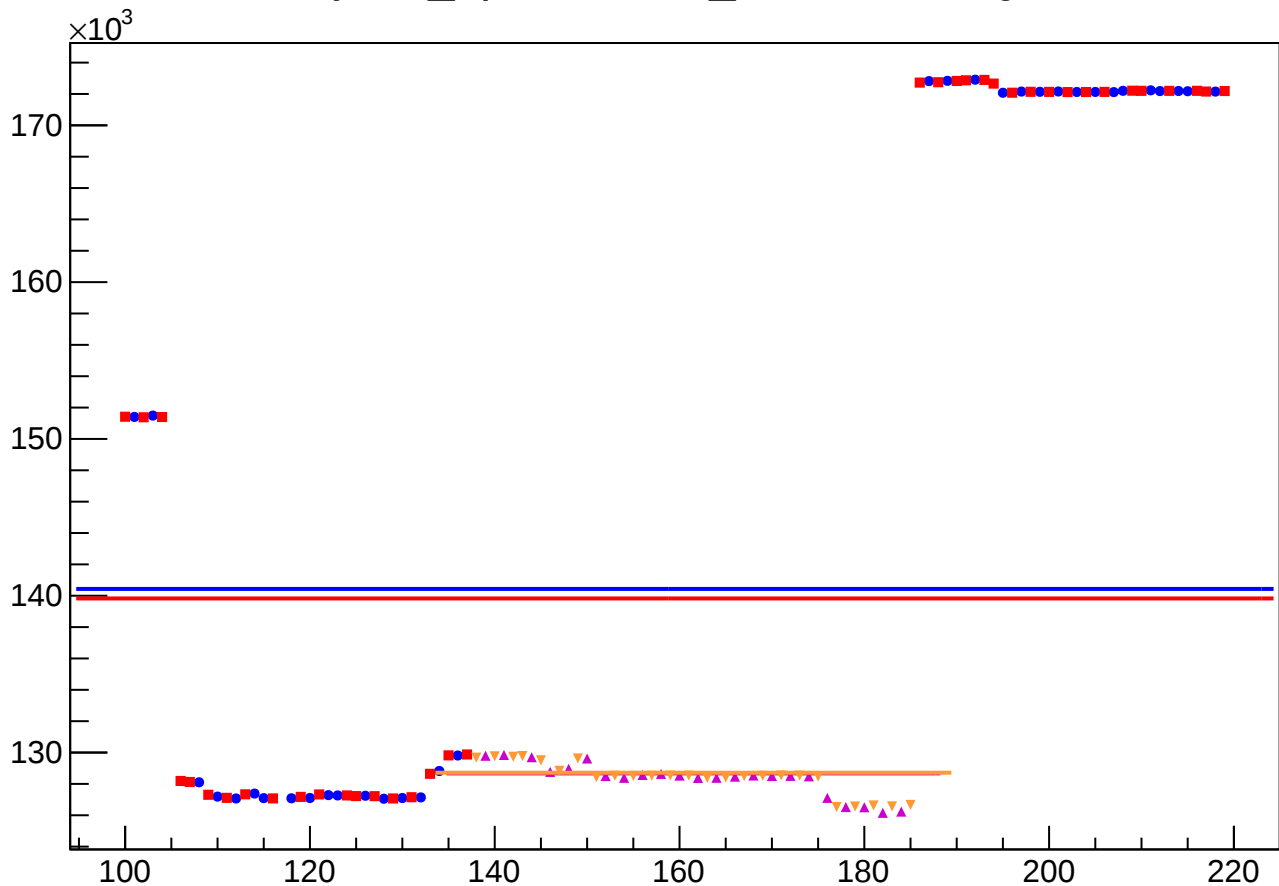
Left In: 0.805 ± 0.000 $\chi^2/\text{NDF}: 479689.4/22$

+ sign 0.810 ± 0.000 $\chi^2/\text{NDF}: 4069049.0/57$

All: 0.807 ± 0.000 $\chi^2/\text{NDF}: 8483633.4/117$

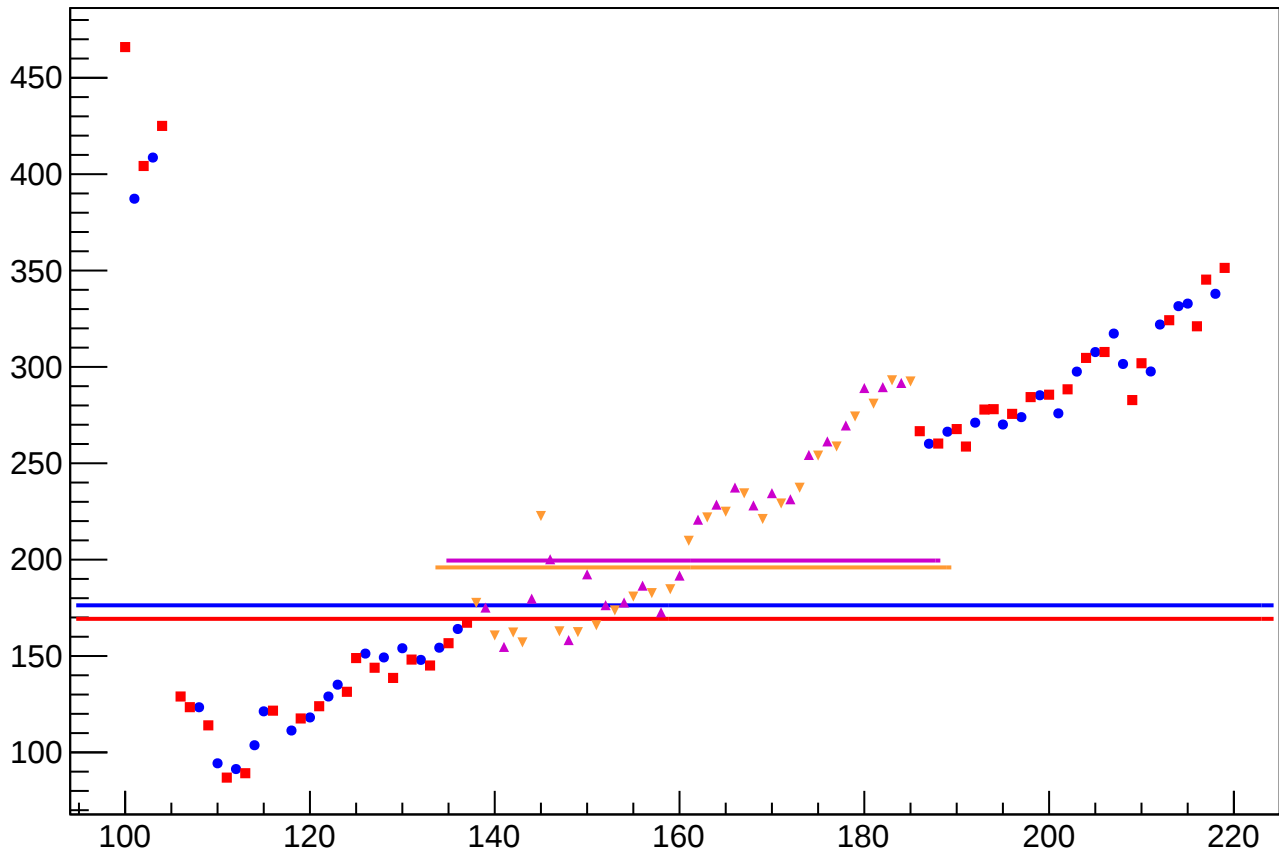
- sign 0.804 ± 0.000 $\chi^2/\text{NDF}: 4412841.1/59$

yield_bpm2i01WS_mean vs Slug



Right In: 140434.746 $\pm$ 0.046	χ^2 /NDF: 188248920148.3/32	+ sign 134613.315 $\pm$ 0.033	χ^2 /NDF: 220369274528
Left Out: 128713.791 $\pm$ 0.047	χ^2 /NDF: 348293942.5/24	All: 134779.858 $\pm$ 0.023	χ^2 /NDF: 462148363
Right Out: 139827.962 $\pm$ 0.043	χ^2 /NDF: 212053912440.3/36	- sign 134940.789 $\pm$ 0.032	χ^2 /NDF: 241728634014
Left In: 128670.094 $\pm$ 0.049	χ^2 /NDF: 334875494.0/22		

yield_bpm2i01WS_rms vs Slug



Right In: 176.297 $\pm$ 0.033 χ^2/NDF : 6760431.3/32

Left Out: 195.964 $\pm$ 0.033 χ^2/NDF :1316091.7/24

Right Out: 169.286 $\pm$ 0.030 χ^2/NDF : 7628770.9/36

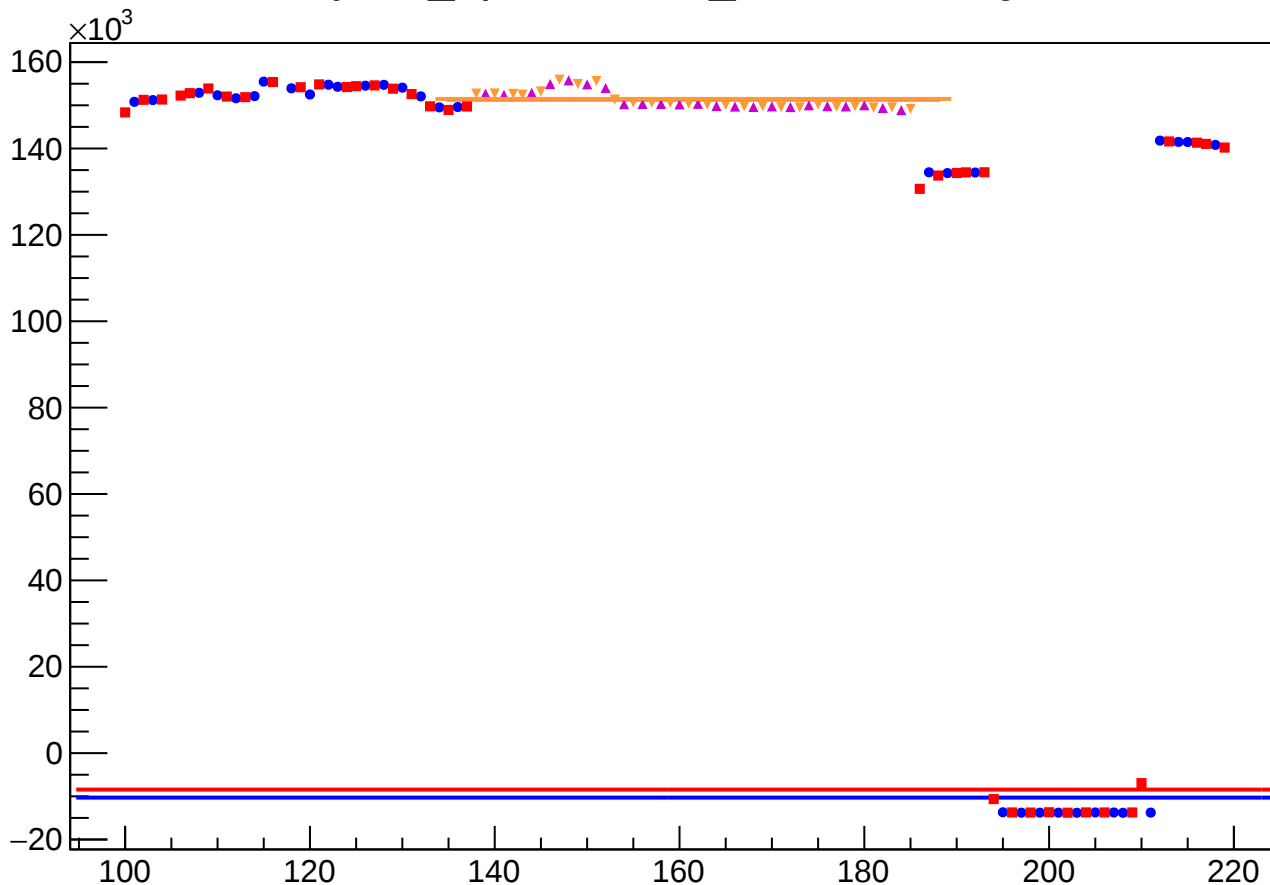
Left In: 199.531 $\pm$ 0.035 χ^2/NDF :1175342.5/22

+ sign 186.065 $\pm$ 0.023 χ^2/NDF : 8255419.3/57

All: 184.269 $\pm$ 0.016 χ^2/NDF : 17502425.3/11

- sign 182.534 $\pm$ 0.023 χ^2/NDF : 9235269.8/59

yield_bpm0i07WS_mean vs Slug



Right In: -10297.072 $\pm$ 0.009

χ^2 /NDF: 6559543902722.5/32

Left Out: 151480.339 $\pm$ 0.049

χ^2 /NDF: 1483692735.3/24

Right Out: -8441.955 $\pm$ 0.010

χ^2 /NDF: 7825736925962.9/36

Left In: 151362.440 $\pm$ 0.051

χ^2 /NDF: 1426782789.9/22

+ sign -4905.444 $\pm$ 0.009

χ^2 /NDF: 1689810980402

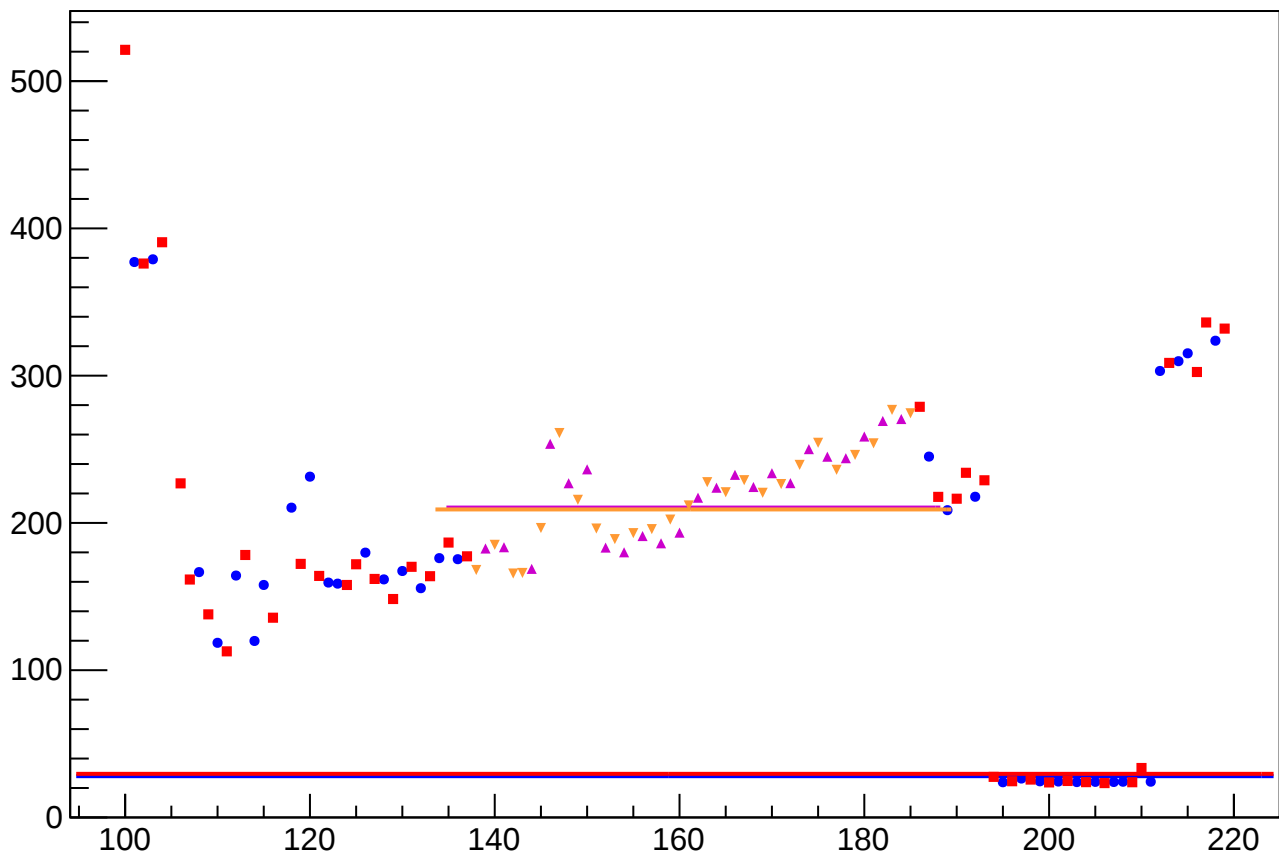
All: -3819.659 $\pm$ 0.007

χ^2 /NDF: 3412956132

- sign -2526.850 $\pm$ 0.010

χ^2 /NDF: 17199789050272

yield_bpm0i07WS_rms vs Slug



Right In: 28.035 ± 0.006 $\chi^2/\text{NDF}: 16338964.6/32$

Left Out: 209.156 ± 0.035 $\chi^2/\text{NDF}: 710094.9/24$

Right Out: 29.614 ± 0.007 $\chi^2/\text{NDF}: 18462619.3/36$

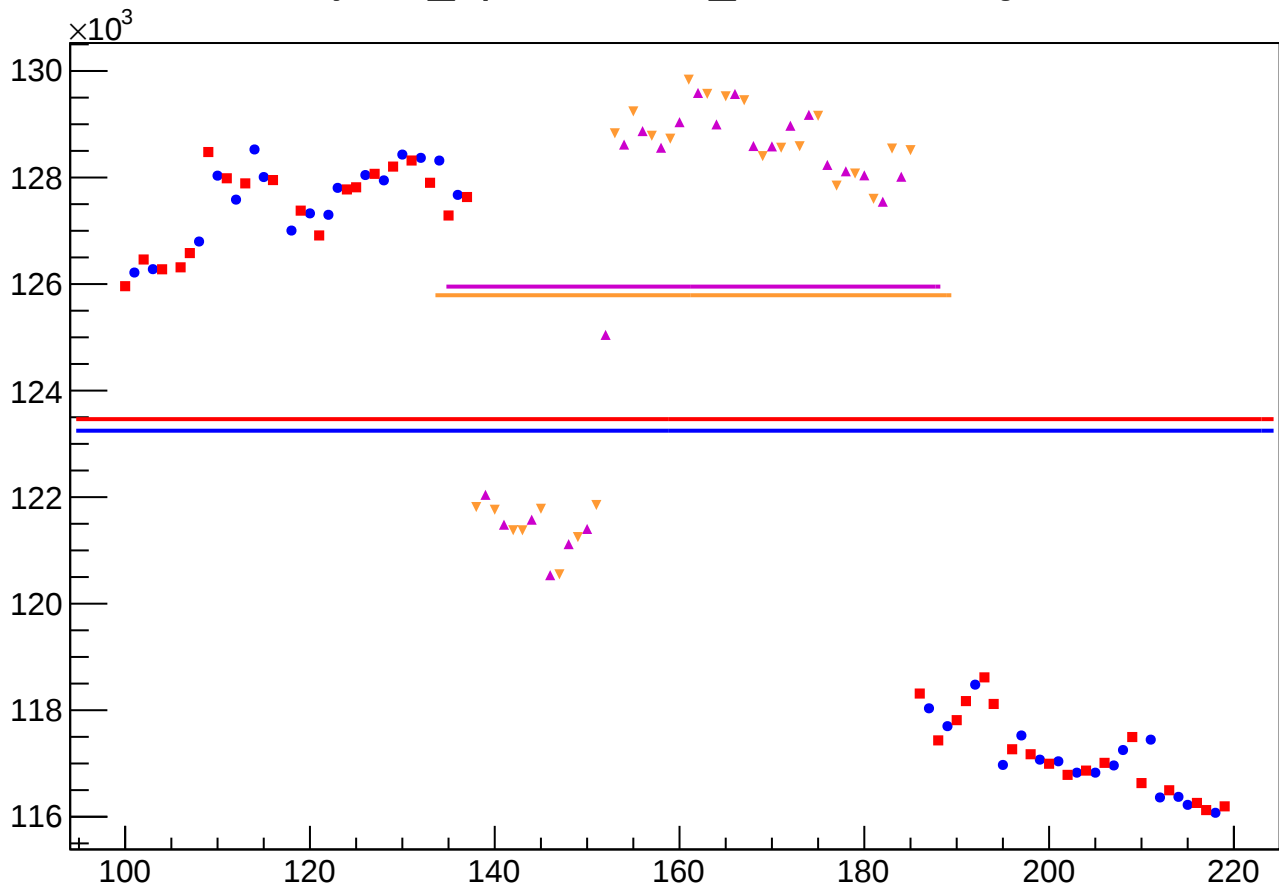
Left In: 210.431 ± 0.036 $\chi^2/\text{NDF}: 684015.0/22$

+ sign 34.072 ± 0.006 $\chi^2/\text{NDF}: 42962604.1/57$

All: 35.092 ± 0.005 $\chi^2/\text{NDF}: 86163926.5/117$

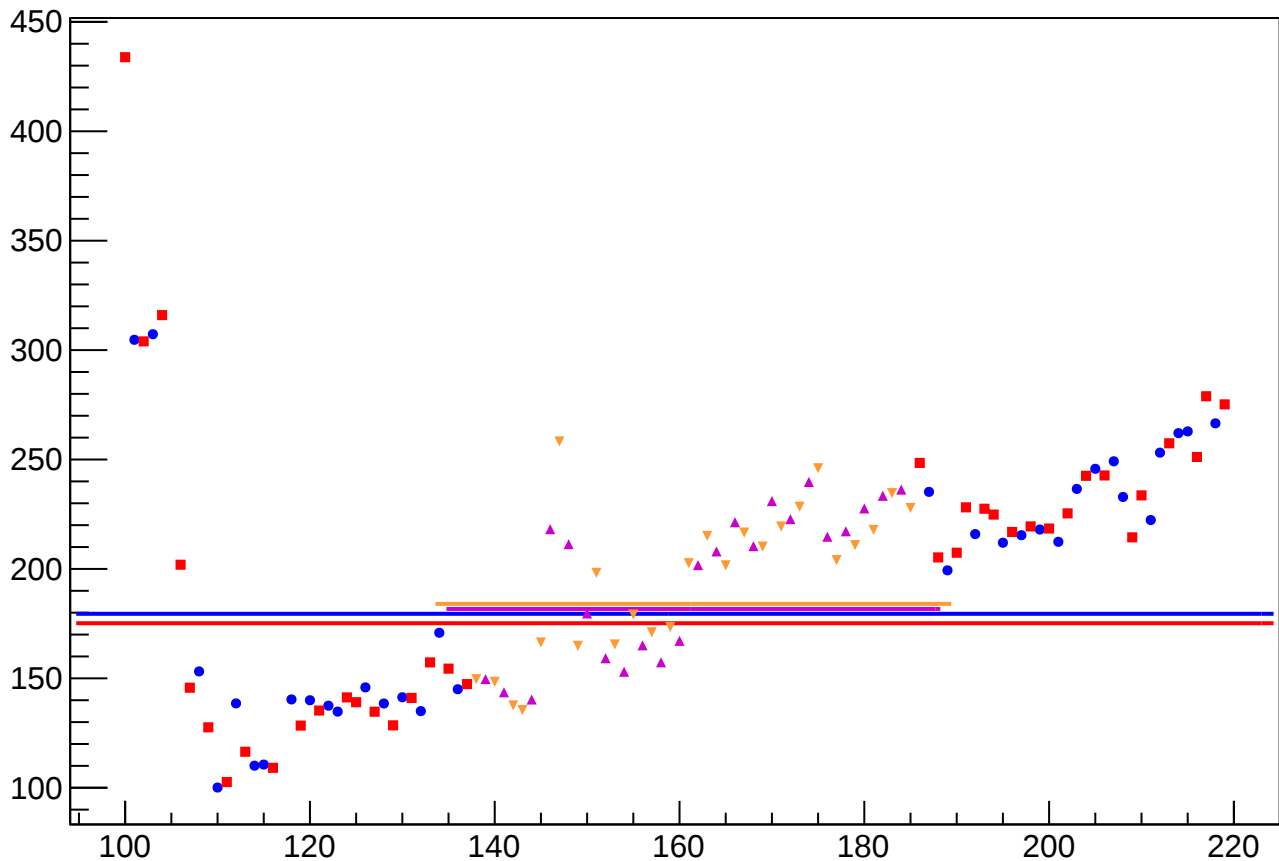
- sign 36.307 ± 0.007 $\chi^2/\text{NDF}: 43145375.6/59$

yield_bpm0l01WS_mean vs Slug



Right In: 123247.218+/-0.044	χ^2/NDF : 14084487429.5/32	+ sign 124532.702+/-0.031	χ^2/NDF : 22483330512.3
Left Out: 125790.126+/-0.044	χ^2/NDF : 6744310079.8/24	All: 124584.561+/-0.022	χ^2/NDF : 452595620
Right Out: 123464.348+/-0.042	χ^2/NDF : 15284952101.3/36	- sign 124634.353+/-0.031	χ^2/NDF : 22770835584.8
Left In: 125952.447+/-0.045	χ^2/NDF : 5841800367.5/22		

yield_bpm0l01WS_rms vs Slug



Right In: 179.496 ± 0.031 χ^2/NDF : 2933528.0/32

Left Out: 184.029 ± 0.031 χ^2/NDF : 1126592.5/24

Right Out: 175.186 ± 0.030 χ^2/NDF : 3566313.3/36

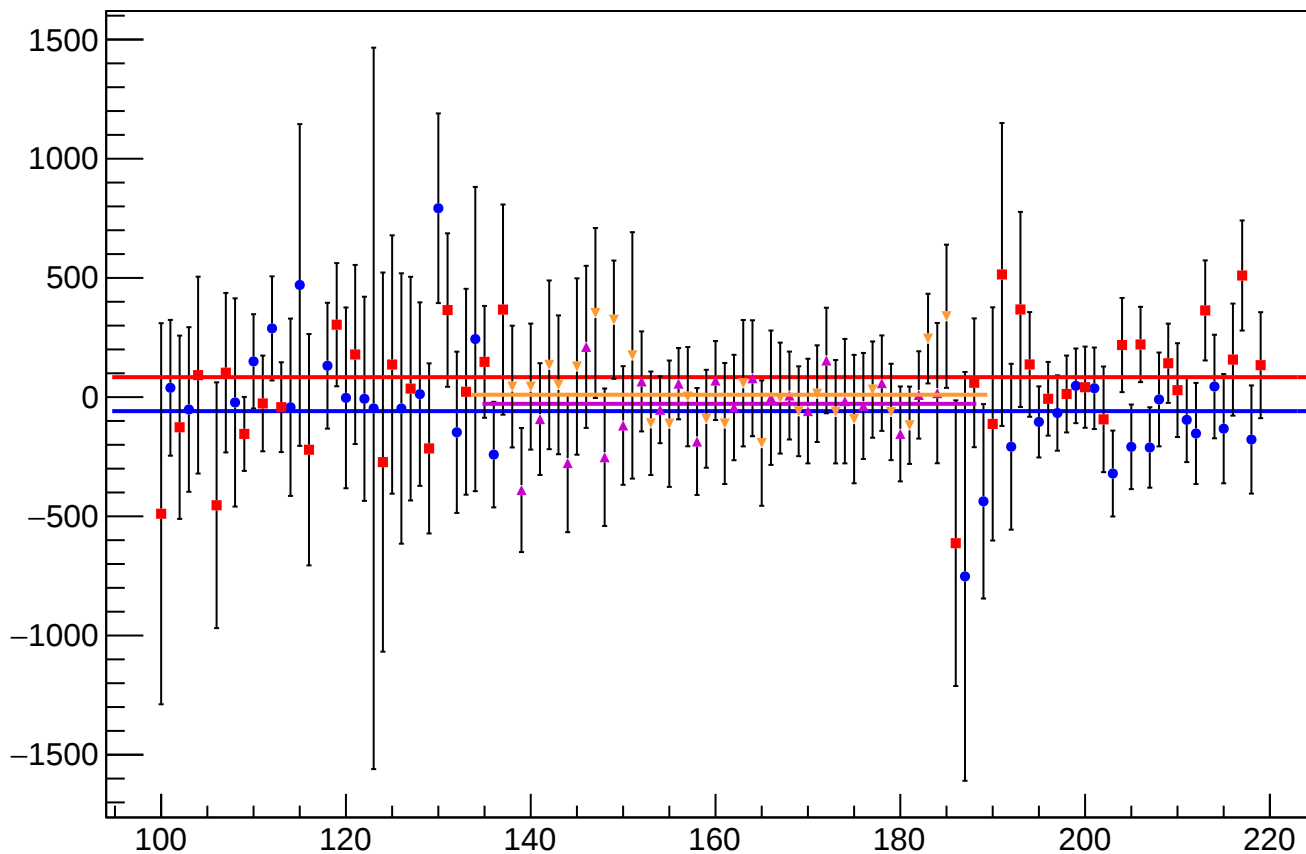
Left In: 181.714 ± 0.032 χ^2/NDF : 1116142.0/22

+ sign 181.788 ± 0.022 χ^2/NDF : 4070636.2/57

All: 179.986 ± 0.015 χ^2/NDF : 8788750.7/117

- sign 178.256 ± 0.022 χ^2/NDF : 4705087.1/59

asym_bcm_an_ds_mean vs Slug



Right In: -58.733 ± 41.891 χ^2/NDF : 17.6/32

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 83.794 ± 40.960 χ^2/NDF : 18.9/36

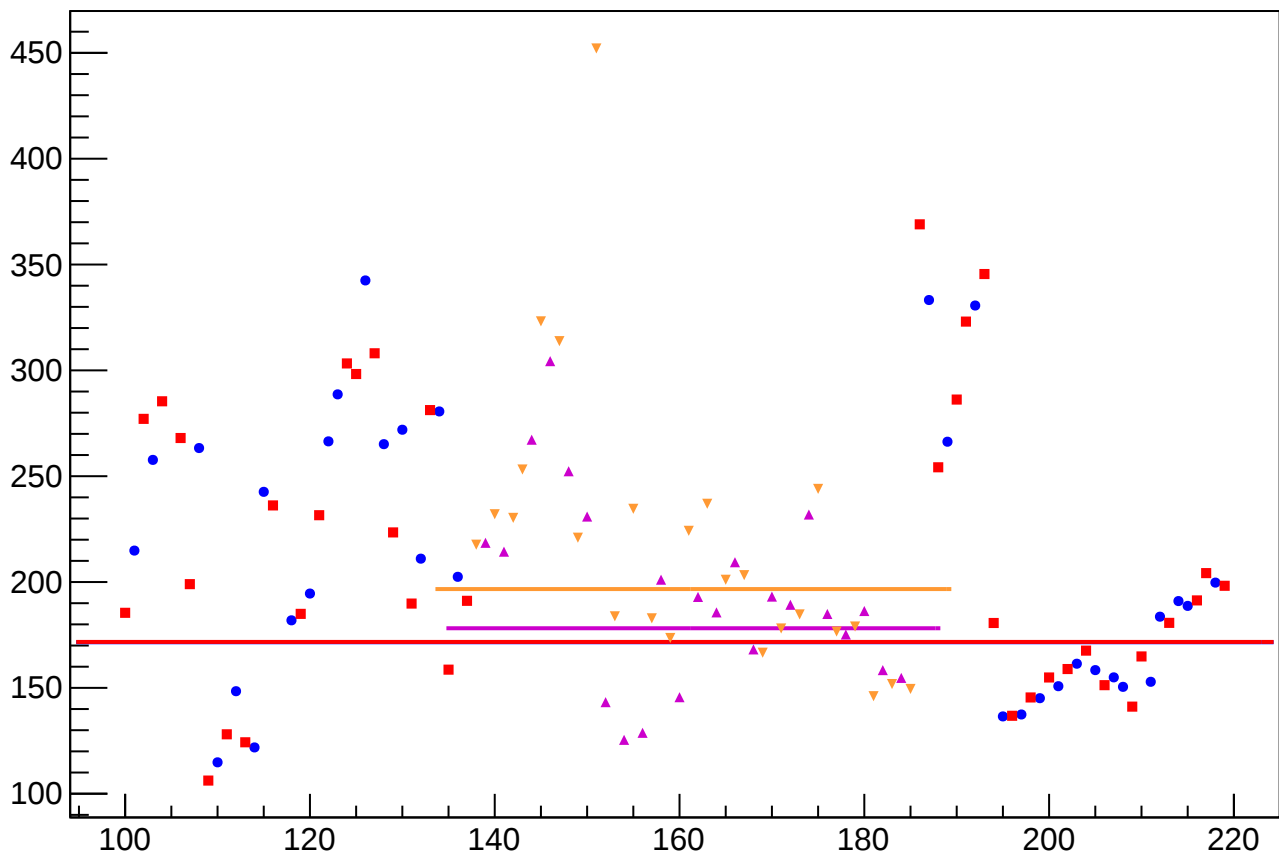
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -28.620 ± 31.415 χ^2/NDF : 27.3/57

All: 3.231 ± 21.756 χ^2/NDF : 58.5/117

- sign 32.587 ± 30.160 χ^2/NDF : 29.3/59

asym_bcm_an_ds_rms vs Slug



Right In: 171.550 $\pm$ 0.030 χ^2 /NDF: 2210403.7/32

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 171.709 $\pm$ 0.029 χ^2 /NDF: 2936501.1/36

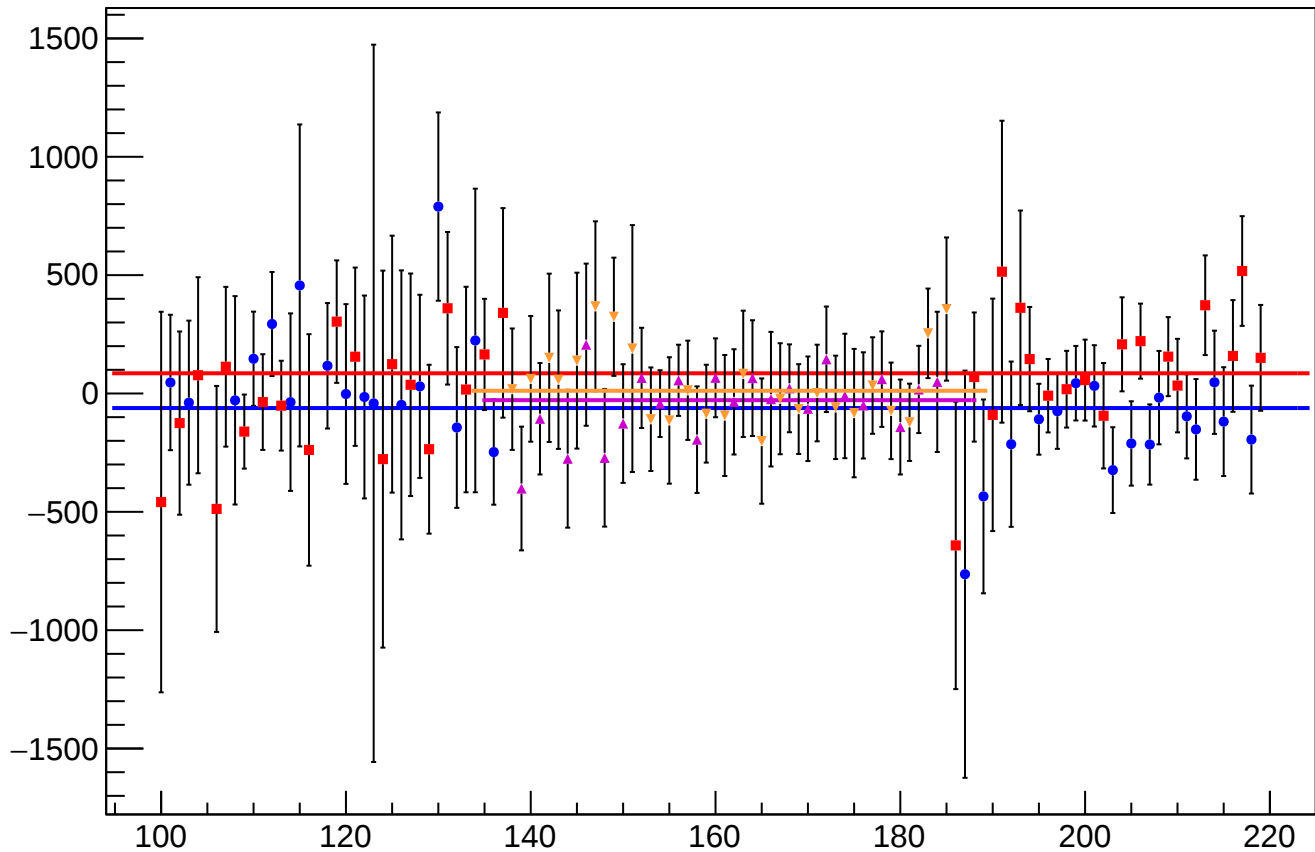
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 182.548 $\pm$ 0.022 χ^2 /NDF: 4308132.5/57

All: 178.446 $\pm$ 0.015 χ^2 /NDF: 8951882.4/117

- sign 174.665 $\pm$ 0.021 χ^2 /NDF: 4578219.0/59

asym_bcm_an_ds3_mean vs Slug



Right In: -61.572 ± 42.080 $\chi^2/\text{NDF}: 17.6/32$

Left Out: 11.479 ± 47.819 $\chi^2/\text{NDF}: 8.8/24$

Right Out: 85.331 ± 41.158 $\chi^2/\text{NDF}: 19.4/36$

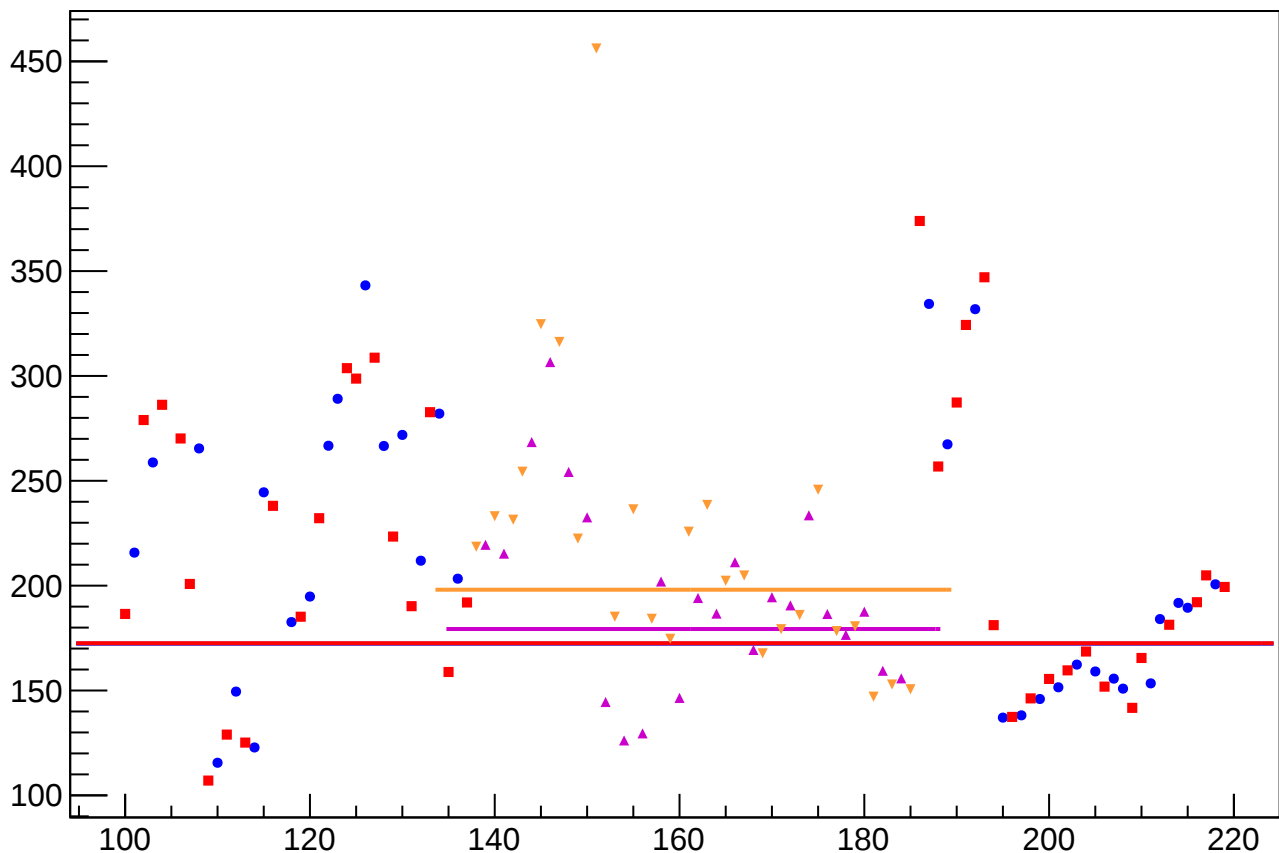
Left In: -28.280 ± 44.863 $\chi^2/\text{NDF}: 7.1/22$

+ sign -29.692 ± 31.590 $\chi^2/\text{NDF}: 27.8/57$

All: 3.145 ± 21.878 $\chi^2/\text{NDF}: 59.8/117$

- sign 33.411 ± 30.328 $\chi^2/\text{NDF}: 30.0/59$

asym_bcm_an_ds3_rms vs Slug



Right In: 172.343 $\pm$ 0.030 χ^2 /NDF: 2201537.3/32

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF: 1778526.5/24

Right Out: 172.547 $\pm$ 0.029 χ^2 /NDF: 2931805.8/36

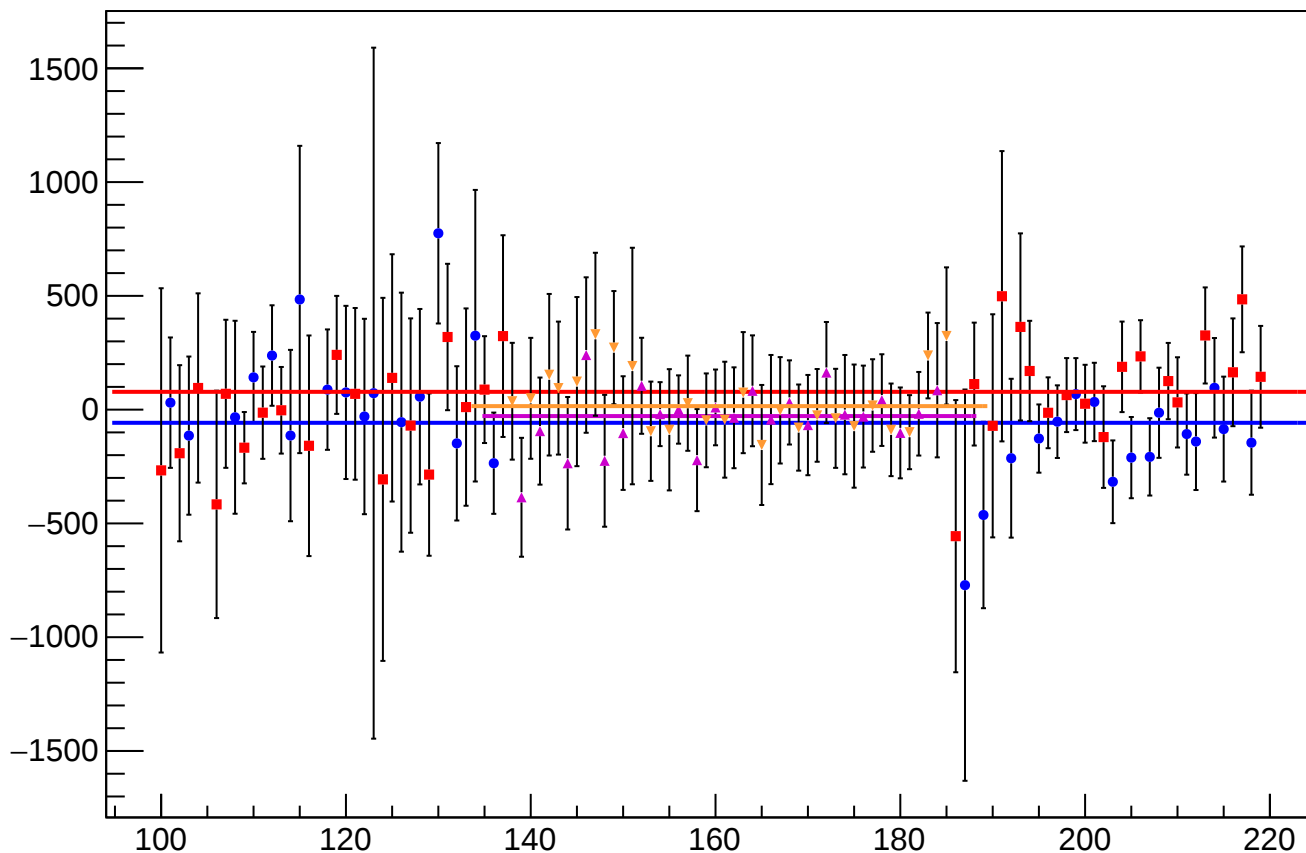
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF: 1618266.2/22

+ sign 183.566 $\pm$ 0.022 χ^2 /NDF: 4306037.2/57

All: 179.443 $\pm$ 0.015 χ^2 /NDF: 8946342.2/117

- sign 175.644 $\pm$ 0.021 χ^2 /NDF: 4574854.5/59

asym_bcm_an_us_mean vs Slug



Right In: -57.844 ± 42.167 $\chi^2/\text{NDF}: 17.1/32$

Left Out: 15.437 ± 47.695 $\chi^2/\text{NDF}: 7.0/24$

Right Out: 78.251 ± 41.194 $\chi^2/\text{NDF}: 17.0/36$

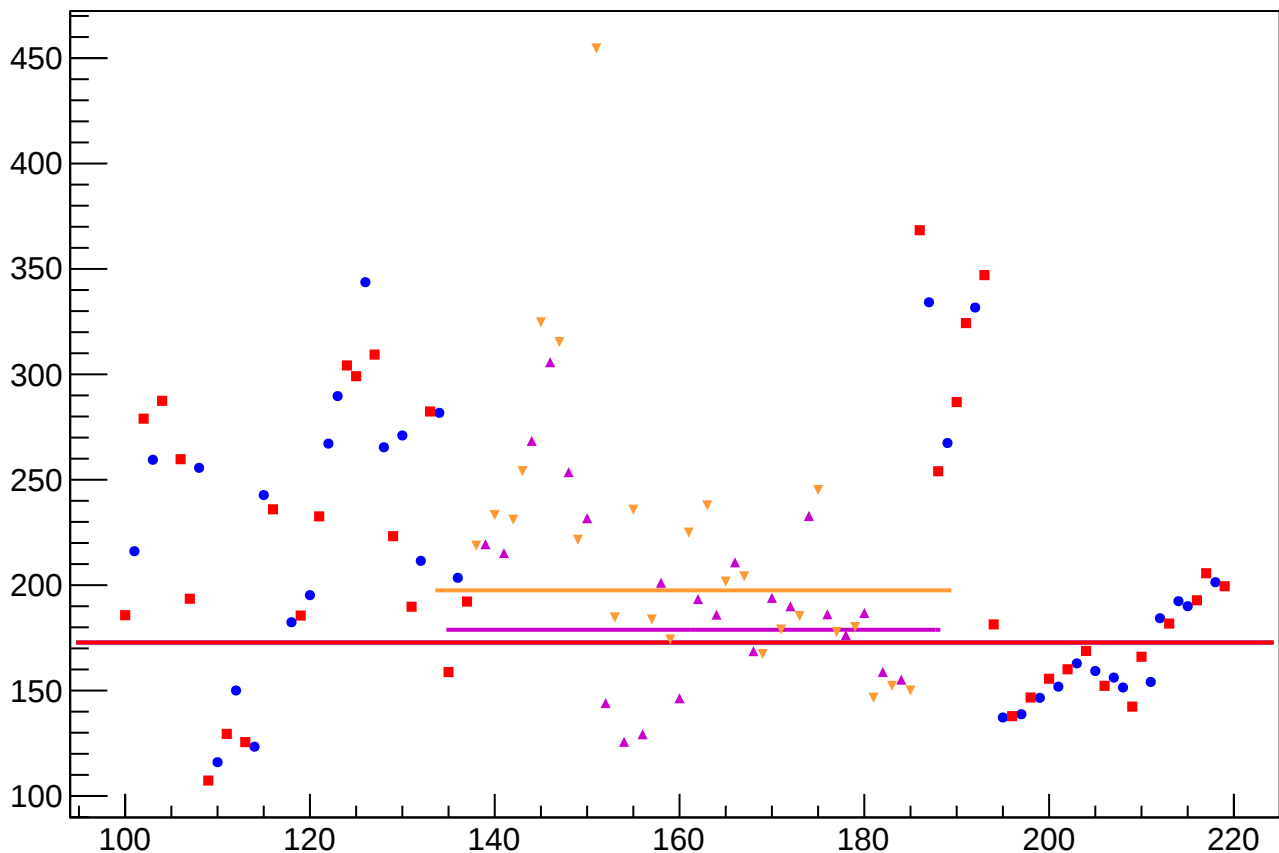
Left In: -28.277 ± 44.743 $\chi^2/\text{NDF}: 6.4/22$

+ sign -25.694 ± 31.591 $\chi^2/\text{NDF}: 25.4/57$

All: 2.986 ± 21.870 $\chi^2/\text{NDF}: 53.4/117$

- sign 29.379 ± 30.306 $\chi^2/\text{NDF}: 26.4/59$

asym_bcm_an_us_rms vs Slug



Right In: 172.783 $\pm$ 0.030 χ^2/NDF : 2169586.8/32

Left Out: 197.527 $\pm$ 0.034 χ^2/NDF : 1784225.5/24

Right Out: 172.810 $\pm$ 0.029 χ^2/NDF : 2885404.0/36

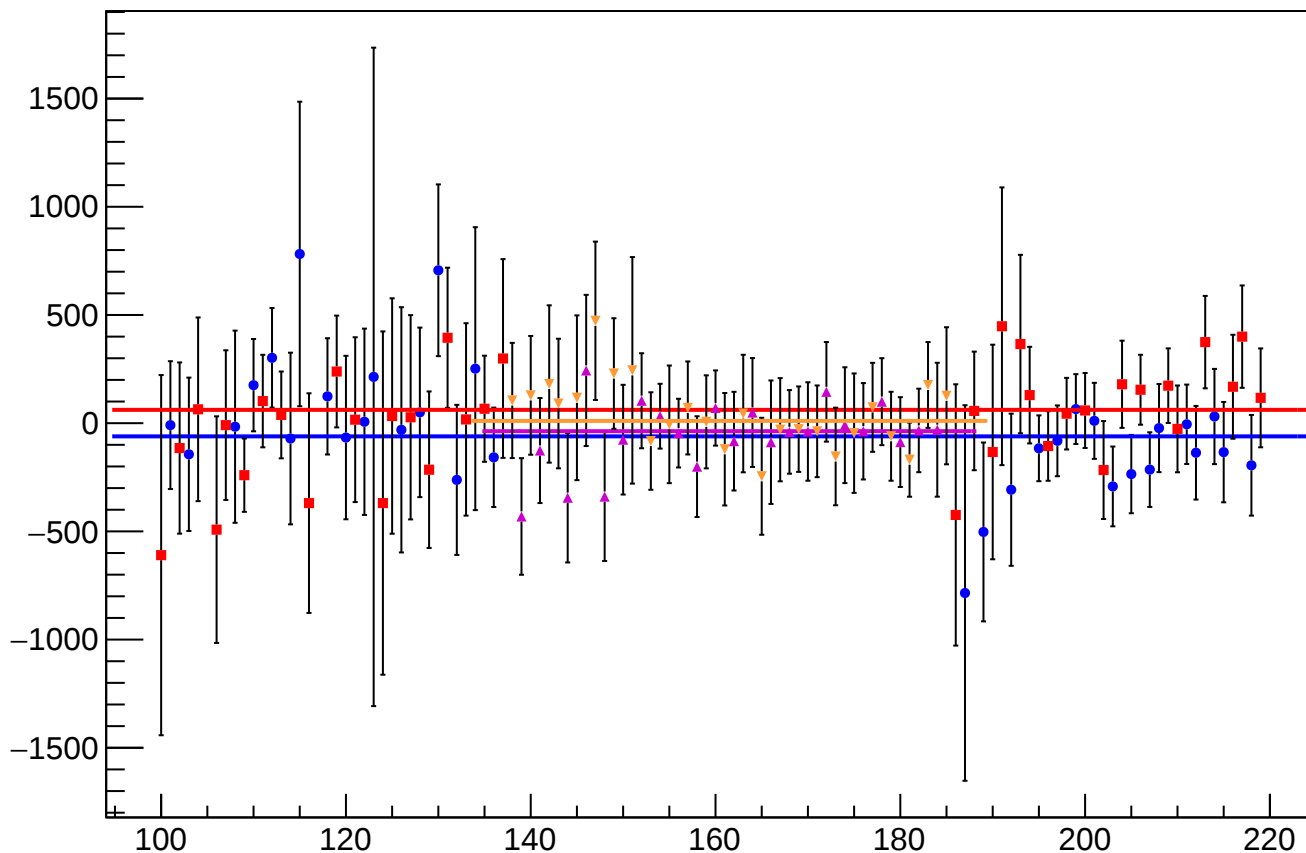
Left In: 178.836 $\pm$ 0.032 χ^2/NDF : 1622266.9/22

+ sign 183.639 $\pm$ 0.022 χ^2/NDF : 4255956.6/57

All: 179.439 $\pm$ 0.015 χ^2/NDF : 8851135.1/117

- sign 175.574 $\pm$ 0.021 χ^2/NDF : 4527304.4/59

asym_bcm_dg_us_mean vs Slug



Right In: -60.943 ± 43.058 χ^2/NDF : 17.8/32

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 61.587 ± 42.246 χ^2/NDF : 18.8/36

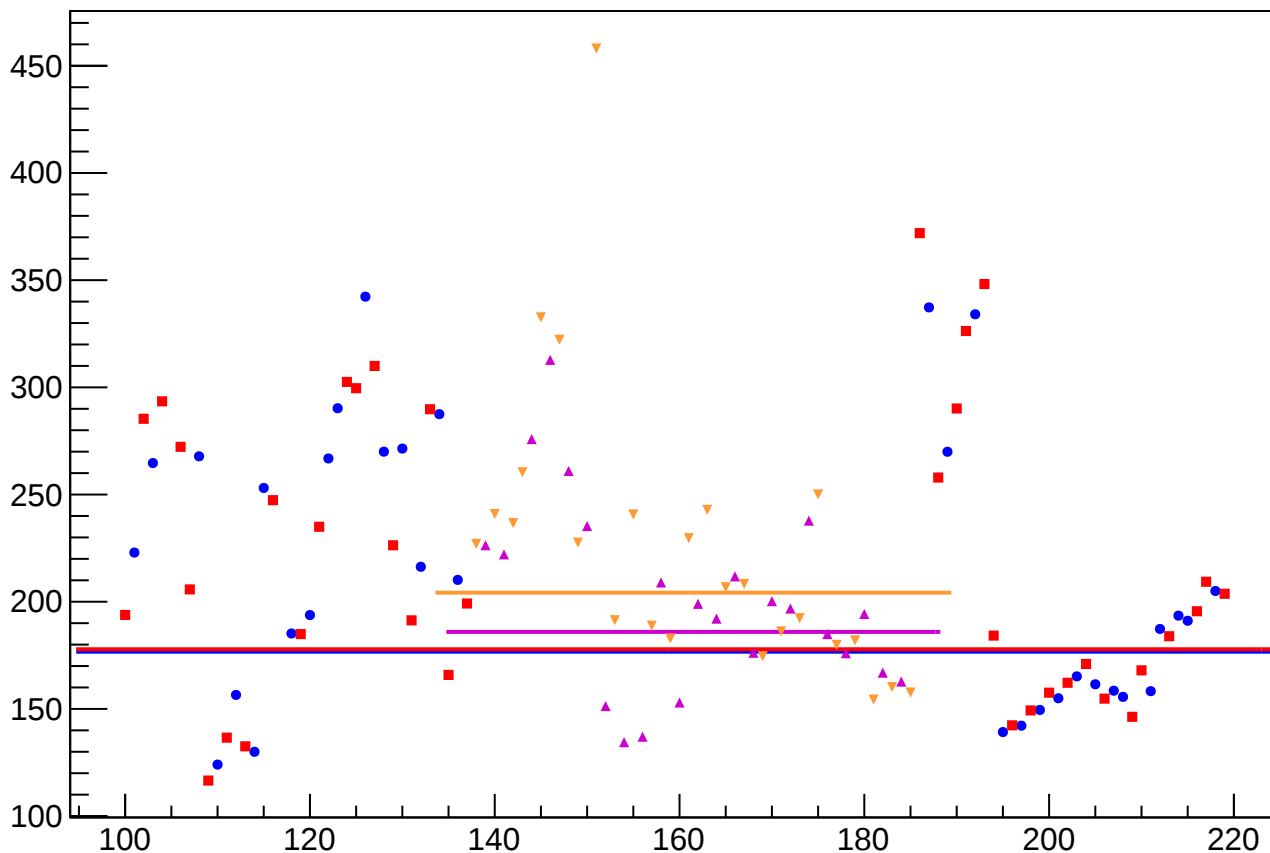
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -29.940 ± 32.401 χ^2/NDF : 26.4/57

All: -5.676 ± 22.484 χ^2/NDF : 56.7/117

- sign 16.859 ± 31.225 χ^2/NDF : 29.2/59

asym_bcm_dg_us_rms vs Slug



Right In: 176.695 $\pm$ 0.030 χ^2 /NDF: 2083577.5/32

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 177.826 $\pm$ 0.030 χ^2 /NDF: 2691450.4/36

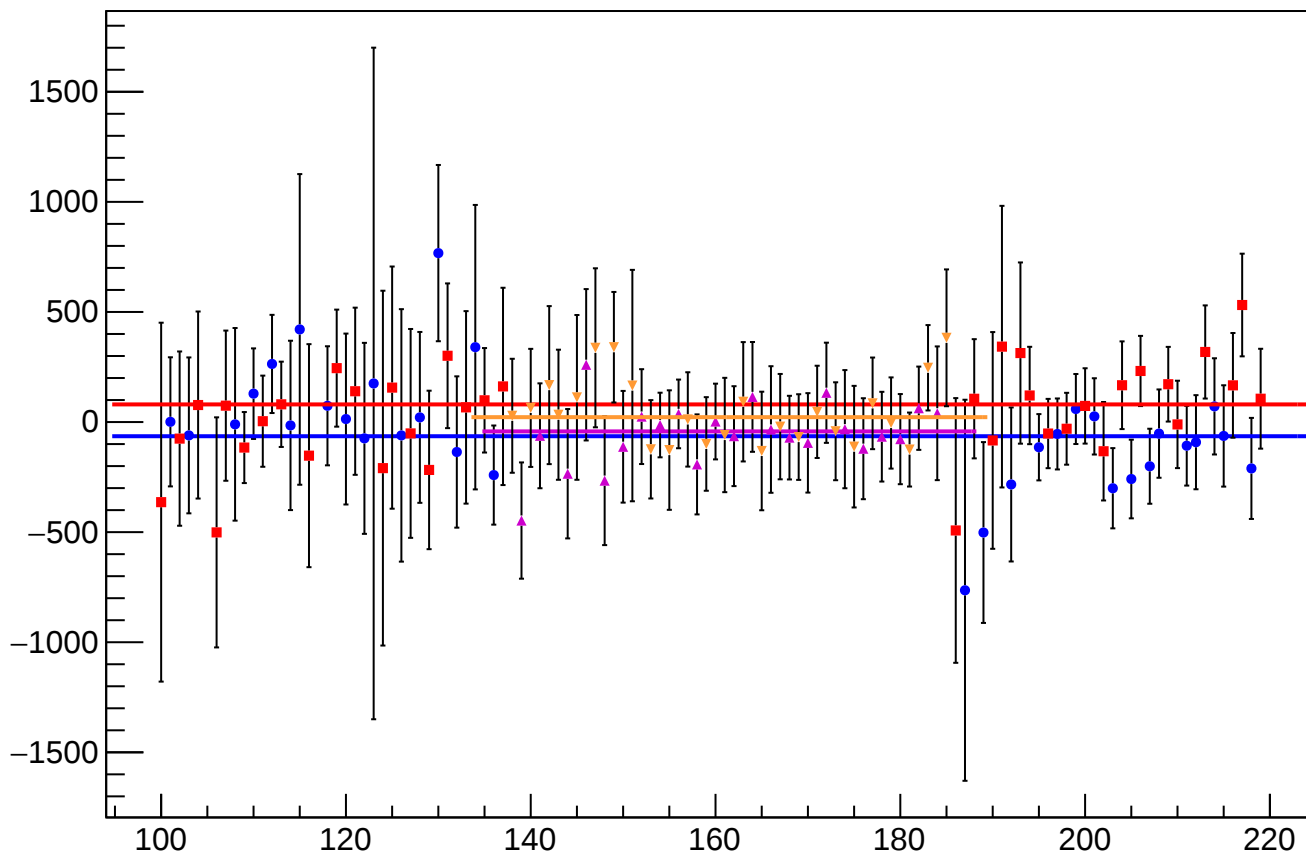
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 188.641 $\pm$ 0.023 χ^2 /NDF: 4114156.5/57

All: 184.940 $\pm$ 0.016 χ^2 /NDF: 8349399.6/117

- sign 181.503 $\pm$ 0.022 χ^2 /NDF: 4184920.7/59

asym_bcm_dg_ds_mean vs Slug



Right In: -64.372 ± 42.526 χ^2/NDF : 16.9/32

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 80.114 ± 41.616 χ^2/NDF : 15.7/36

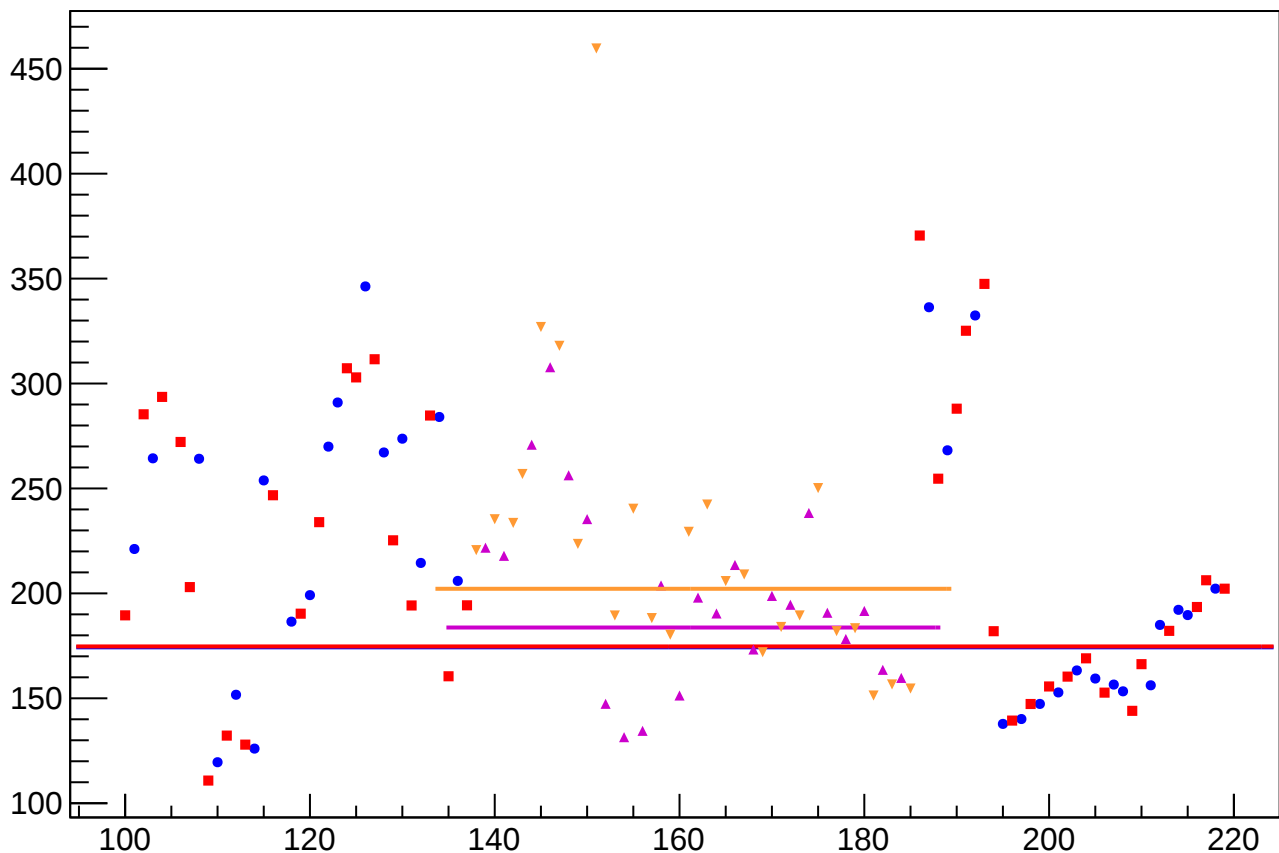
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -26.957 ± 32.043 χ^2/NDF : 27.1/57

All: -0.088 ± 22.212 χ^2/NDF : 54.8/117

- sign 24.767 ± 30.819 χ^2/NDF : 26.4/59

asym_bcm_dg_ds_rms vs Slug



Right In: 174.290 $\pm$ 0.030 χ^2 /NDF: 2168918.6/32

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF:1696571.9/24

Right Out: 174.715 $\pm$ 0.029 χ^2 /NDF: 2859650.0/36

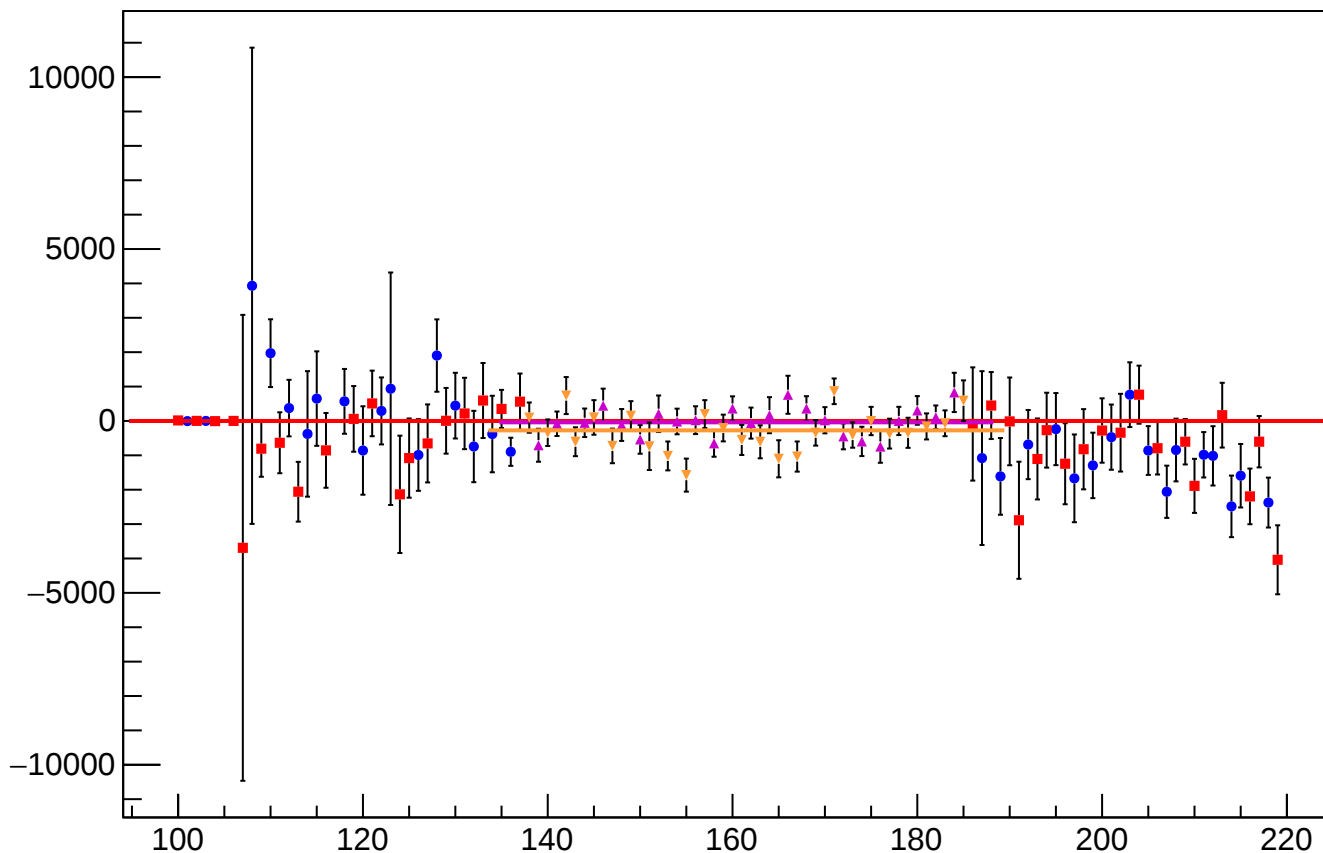
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 186.348 $\pm$ 0.023 χ^2 /NDF: 4237479.4/57

All: 182.420 $\pm$ 0.016 χ^2 /NDF: 8693317.5/117

- sign 178.787 $\pm$ 0.022 χ^2 /NDF: 4397987.7/59

asym_cav4bQ_mean vs Slug



Right In: -1.649 ± 2.251 χ^2/NDF : 58.7/32

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.805 ± 2.111 χ^2/NDF : 56.8/36

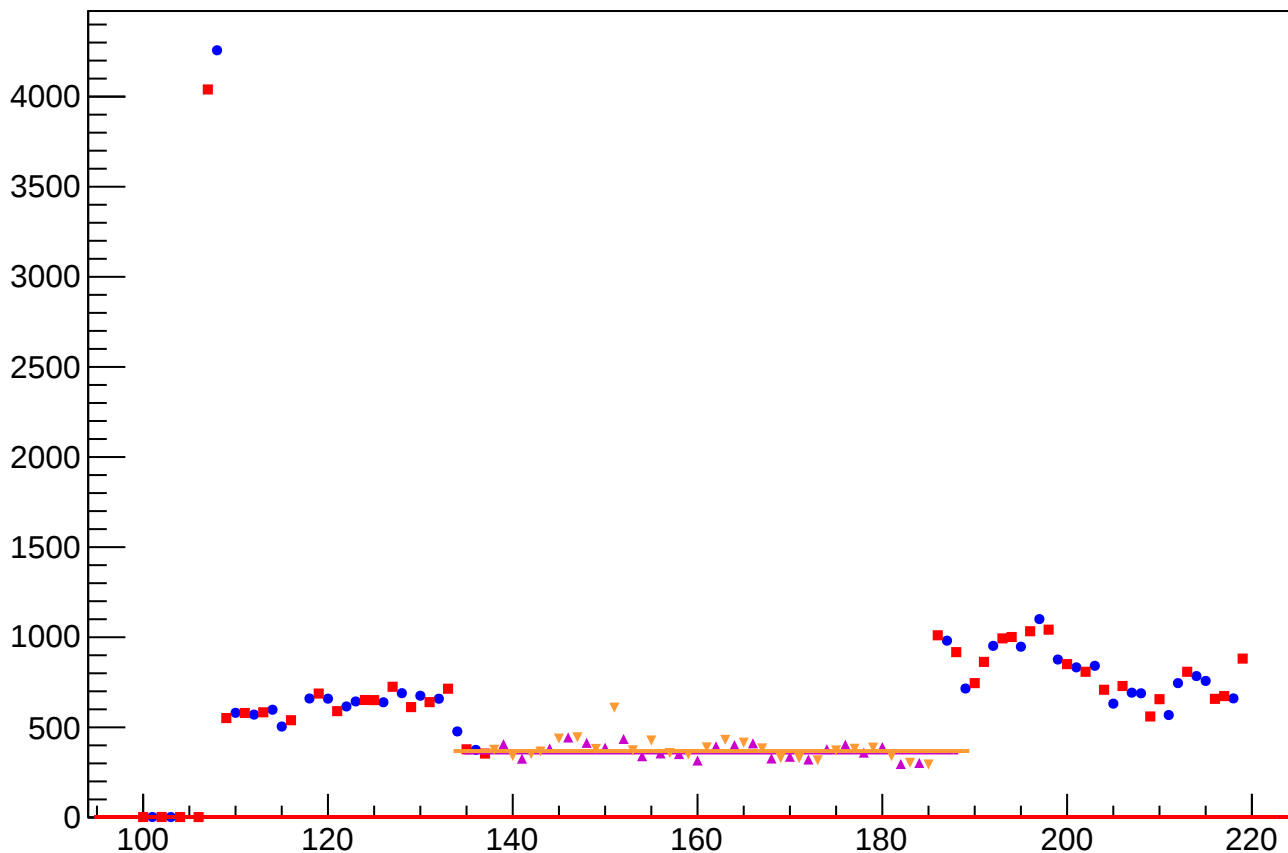
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.832 ± 2.251 χ^2/NDF : 106.9/57

All: -1.298 ± 1.539 χ^2/NDF : 184.1/117

- sign -0.828 ± 2.110 χ^2/NDF : 77.1/59

asym_cav4bQ_rms vs Slug



Right In: 2.530 $\pm$ 0.002 χ^2 /NDF: 33296484.7/32

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.505 $\pm$ 0.001 χ^2 /NDF: 35613171.2/36

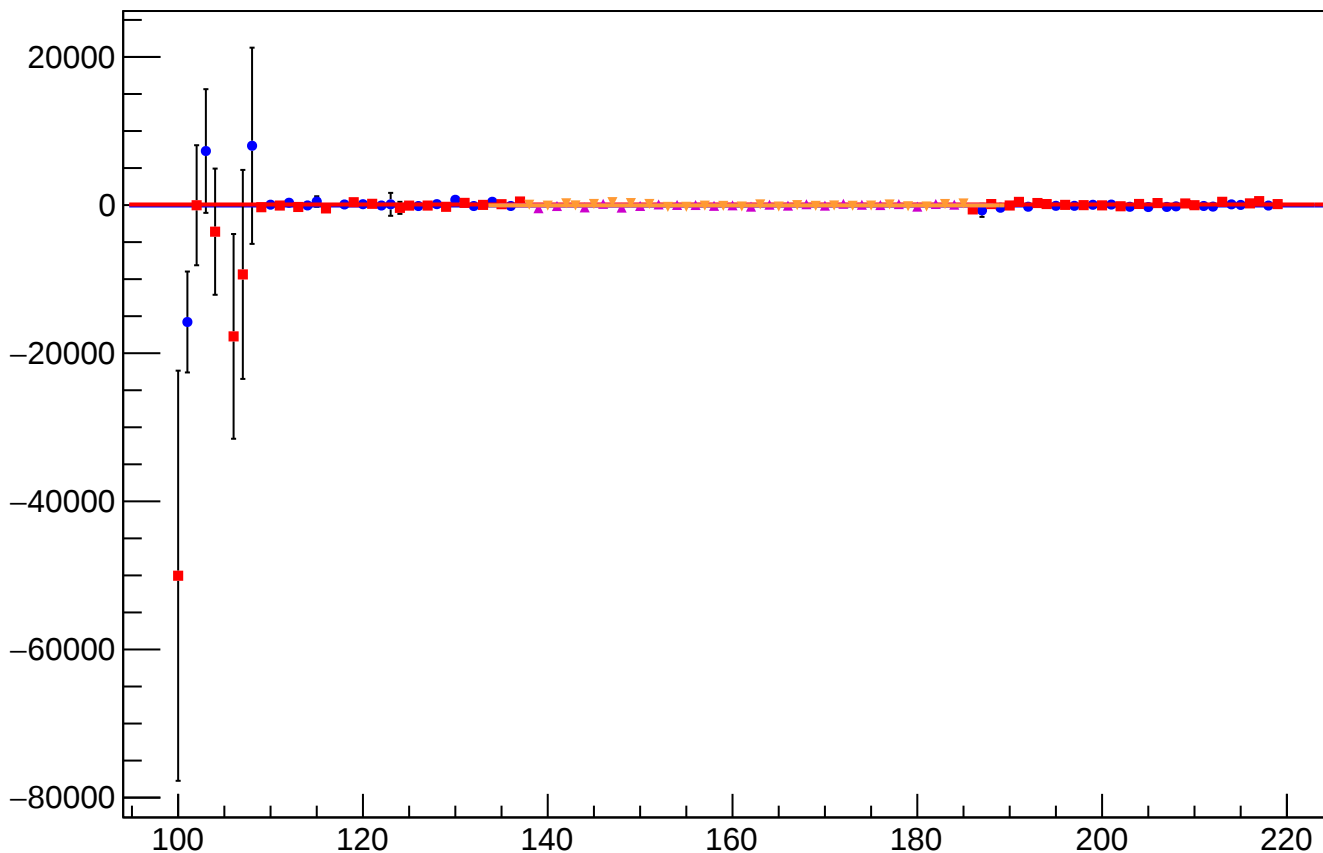
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.776 $\pm$ 0.002 χ^2 /NDF: 69392333.2/57

All: 2.743 $\pm$ 0.001 χ^2 /NDF: 138923882.8/117

- sign 2.713 $\pm$ 0.001 χ^2 /NDF: 69530717.1/59

asym_cav4cQ_mean vs Slug



Right In: -58.002 $\pm$ 46.234 χ^2 /NDF: 21.5/32

Left Out: -39.036 $\pm$ 49.576 χ^2 /NDF: 9.1/24

Right Out: 81.697 $\pm$ 45.836 χ^2 /NDF: 28.4/36

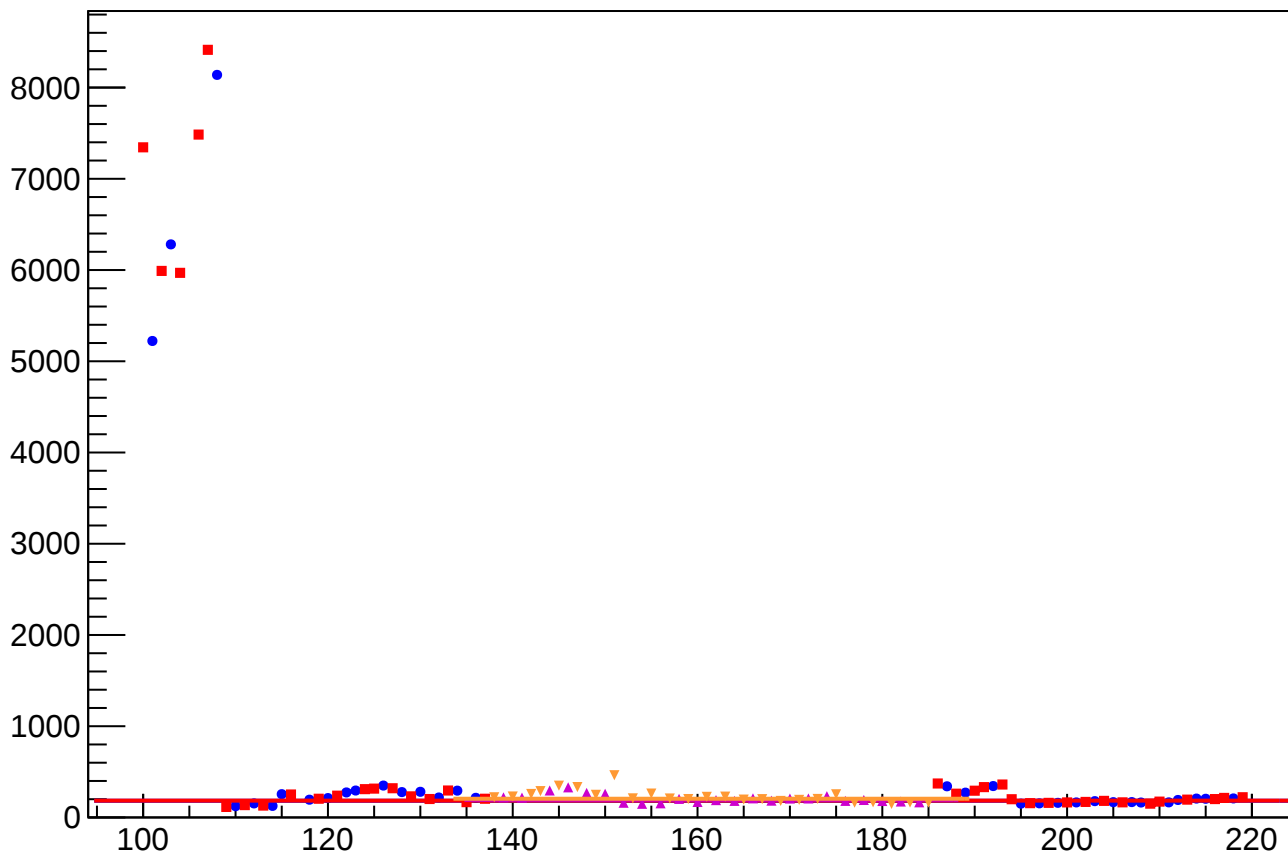
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -49.180 $\pm$ 33.812 χ^2 /NDF: 30.7/57

All: -9.134 $\pm$ 23.675 χ^2 /NDF: 74.2/117

- sign 29.384 $\pm$ 33.160 χ^2 /NDF: 40.7/59

asym_cav4cQ_rms vs Slug



Right In: 182.748 $\pm$ 0.033 χ^2 /NDF: 4603077.6/32

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 184.336 $\pm$ 0.032 χ^2 /NDF: 5519420.7/36

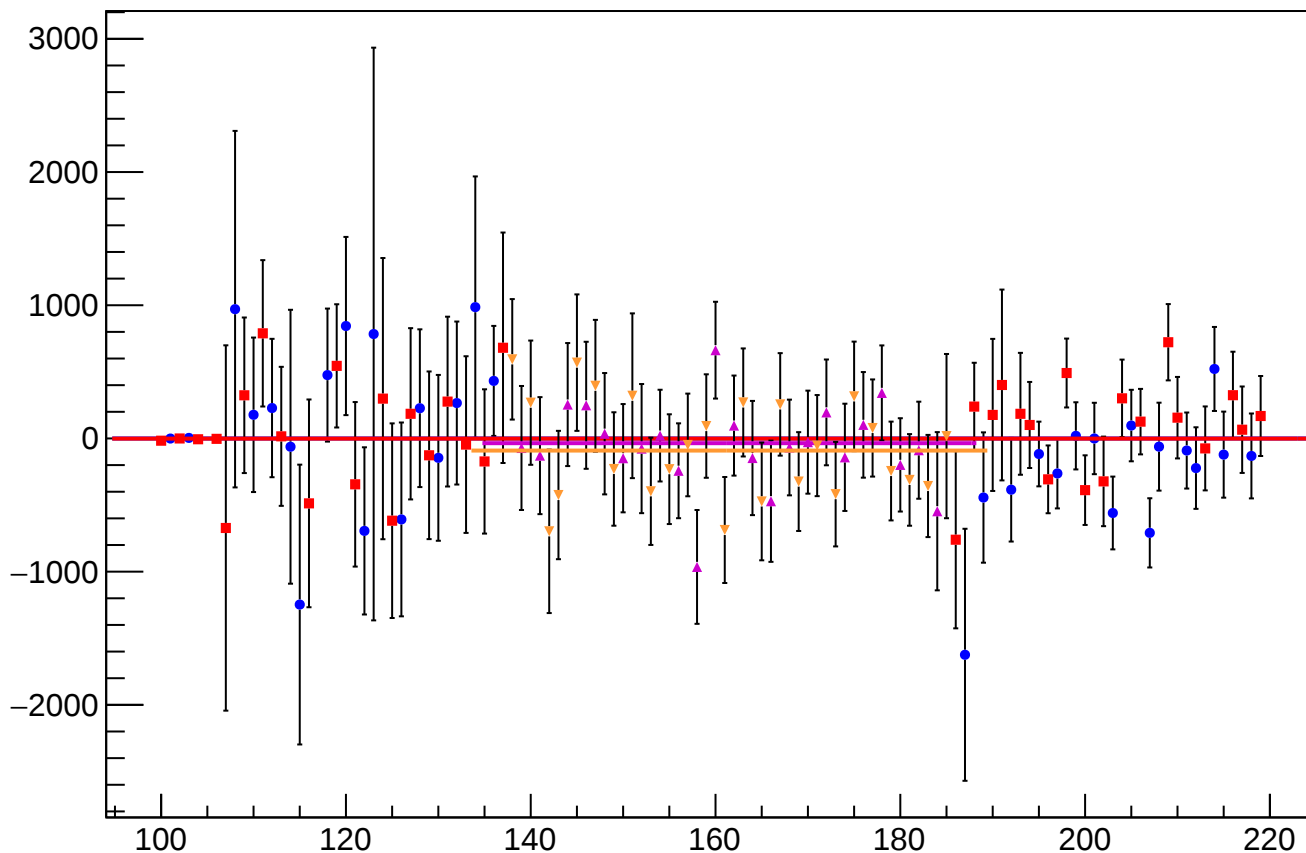
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 193.152 $\pm$ 0.024 χ^2 /NDF: 6778263.6/57

All: 190.913 $\pm$ 0.017 χ^2 /NDF: 13533431.5/13

- sign 188.759 $\pm$ 0.023 χ^2 /NDF: 6737962.7/59

asym_cav4dQ_mean vs Slug



Right In: -0.230 ± 1.736 χ^2/NDF : 31.6/32

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.273 ± 1.622 χ^2/NDF : 29.4/36

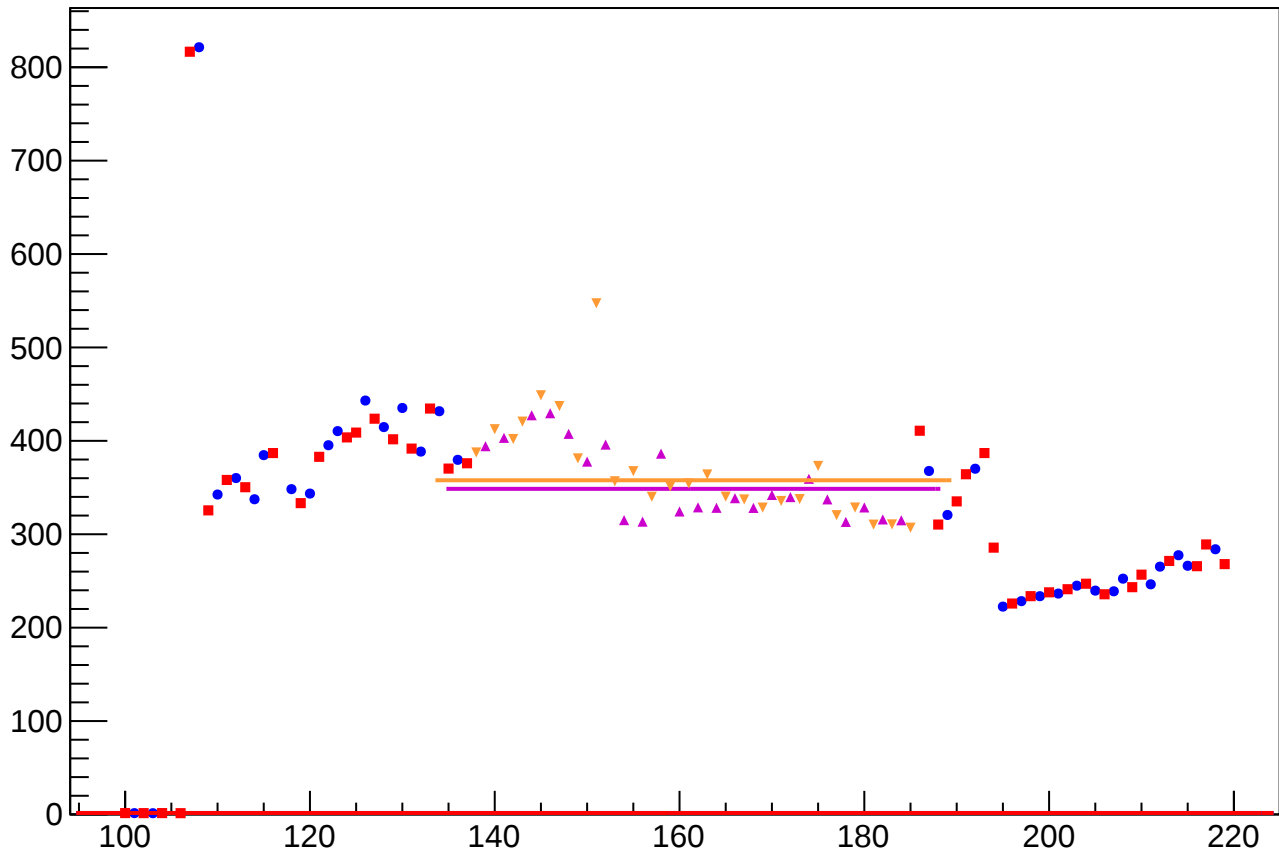
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.269 ± 1.736 χ^2/NDF : 49.2/57

All: -0.812 ± 1.185 χ^2/NDF : 92.3/117

- sign -1.286 ± 1.622 χ^2/NDF : 43.0/59

asym_cav4dQ_rms vs Slug



Right In: 1.586 ± 0.001 $\chi^2/\text{NDF}: 33492568.6/32$

Left Out: 357.804 ± 0.059 $\chi^2/\text{NDF}: 547036.5/24$

Right Out: 1.572 ± 0.001 $\chi^2/\text{NDF}: 35314859.7/36$

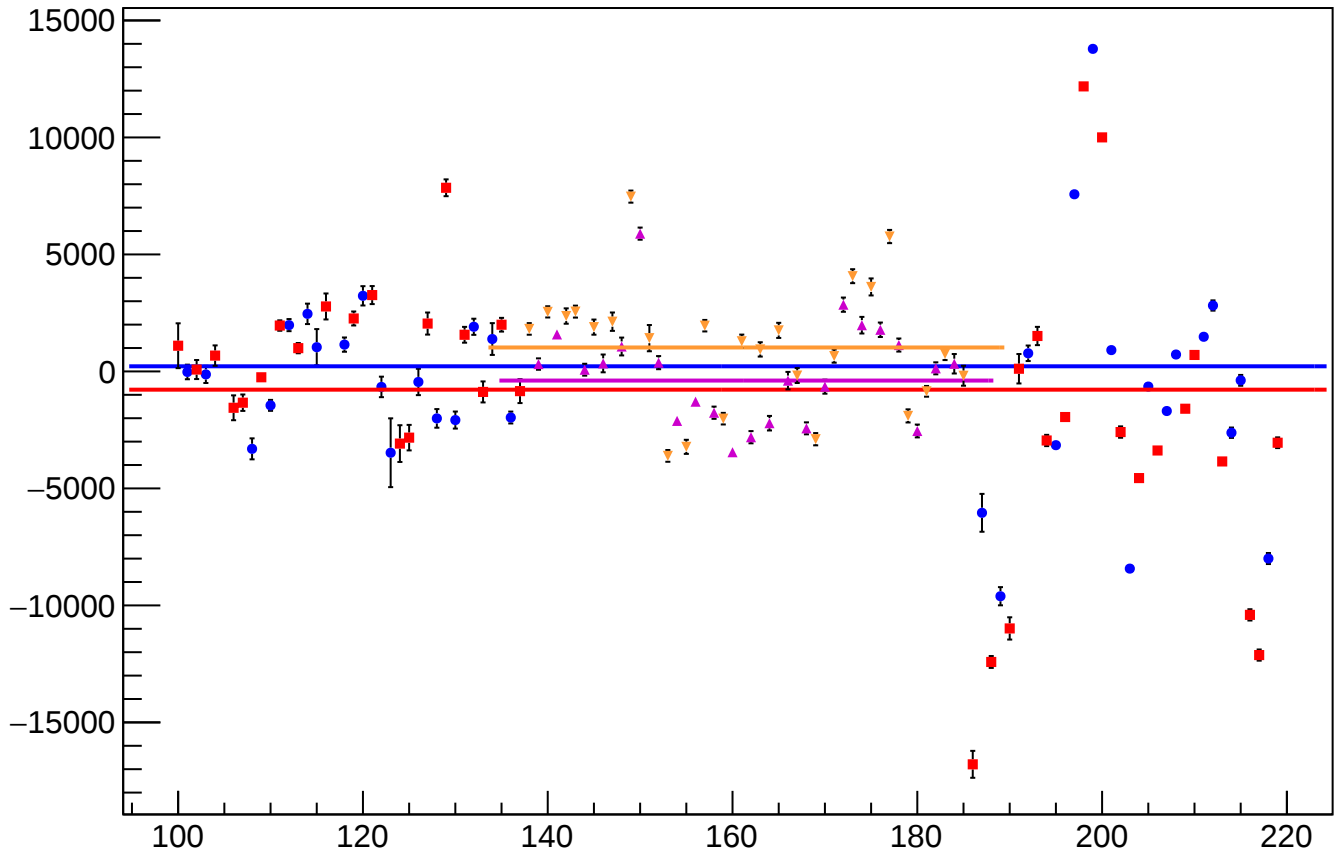
Left In: 348.611 ± 0.060 $\chi^2/\text{NDF}: 362511.2/22$

+ sign 1.738 ± 0.001 $\chi^2/\text{NDF}: 69924072.1/57$

All: 1.718 ± 0.001 $\chi^2/\text{NDF}: 139418041.3/117$

- sign 1.700 ± 0.001 $\chi^2/\text{NDF}: 69493462.7/59$

asym_bcm0l02_mean vs Slug



Right In: 219.109 $\pm$ 45.763 χ^2 /NDF: 12622.2/32

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF: 2309.4/24

Right Out: -779.863 $\pm$ 44.565 χ^2 /NDF: 18002.1/36

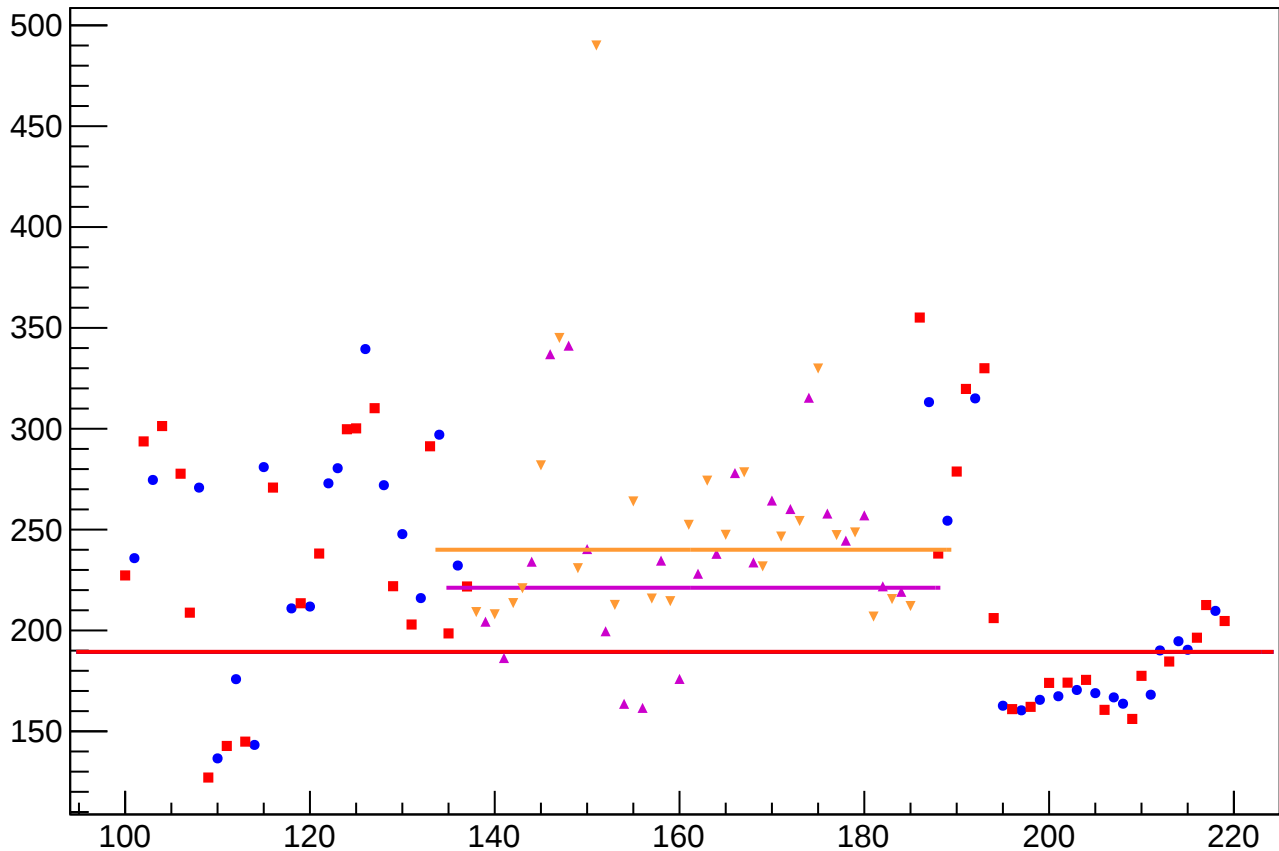
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 532.095 $\pm$ 35.767 χ^2 /NDF: 15051.7/57

All: -65.617 $\pm$ 24.871 χ^2 /NDF: 35209.8/117

- sign -625.208 $\pm$ 34.608 χ^2 /NDF: 19617.3/59

asym_bcm0l02_rms vs Slug



Right In: 189.333 $\pm$ 0.032 χ^2 /NDF: 1559900.2/32

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 189.394 $\pm$ 0.032 χ^2 /NDF: 2154206.9/36

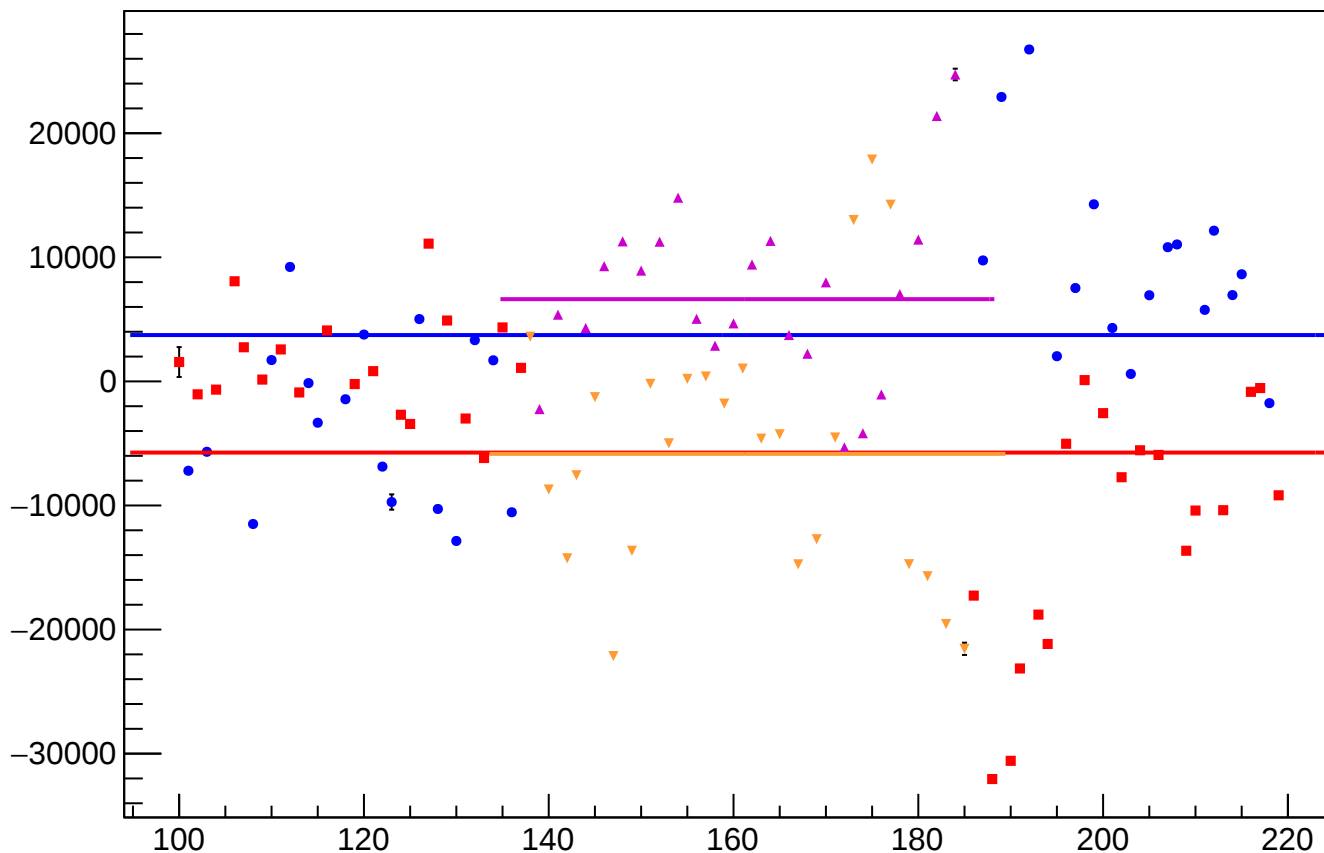
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 209.056 $\pm$ 0.025 χ^2 /NDF: 3517043.0/57

All: 205.416 $\pm$ 0.018 χ^2 /NDF: 7457547.5/117

- sign 202.008 $\pm$ 0.024 χ^2 /NDF: 3900394.3/59

asym_bpm2i01WS_mean vs Slug



Right In: 3733.894 ± 33.368 $\chi^2/\text{NDF}: 85066.6/32$

Left Out: -5841.615 ± 35.848 $\chi^2/\text{NDF}: 63397.3/24$

Right Out: -5736.831 ± 31.744 $\chi^2/\text{NDF}: 105940.0/36$

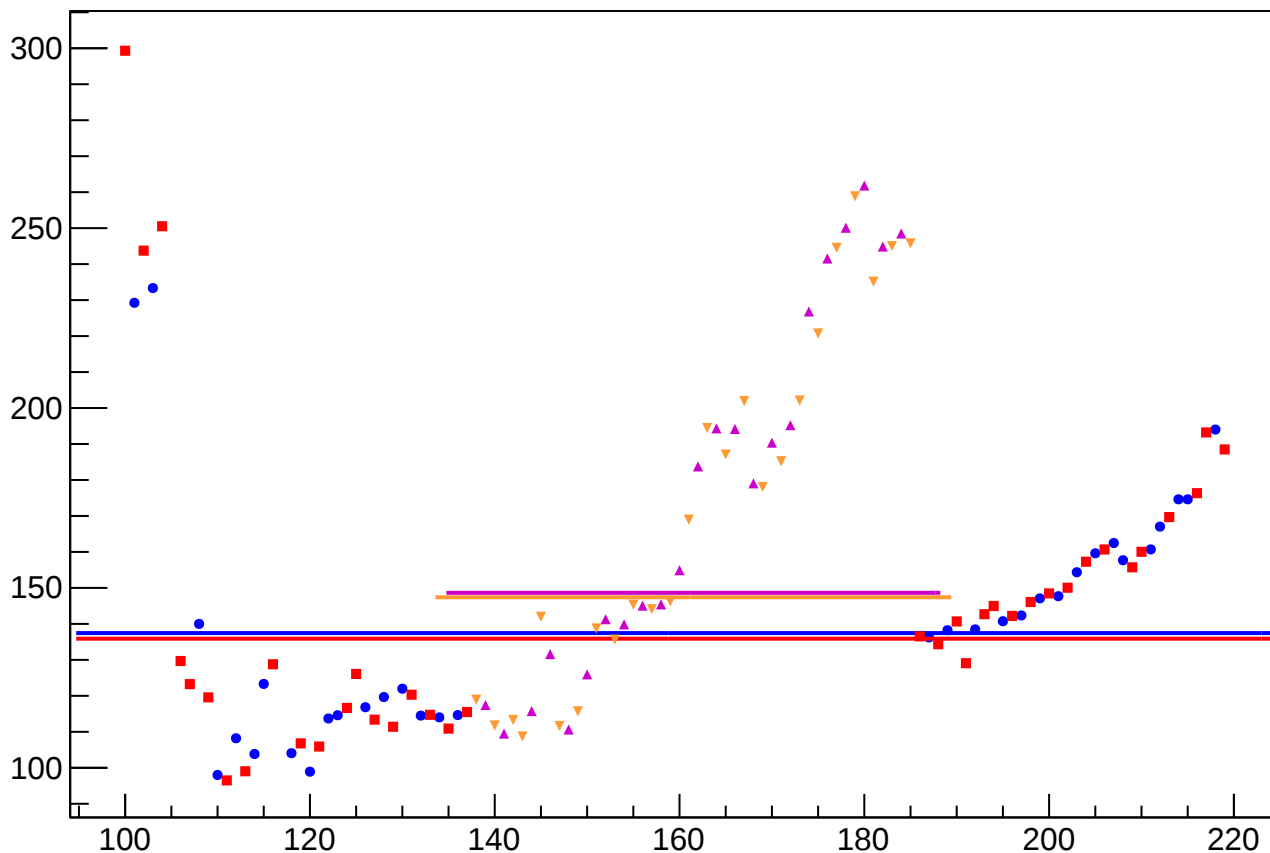
Left In: 6628.388 ± 37.160 $\chi^2/\text{NDF}: 21738.0/22$

+ sign -711.277 ± 24.424 $\chi^2/\text{NDF}: 186692.3/57$

All: -614.571 ± 17.168 $\chi^2/\text{NDF}: 378413.6/11$

- sign -520.131 ± 24.136 $\chi^2/\text{NDF}: 191690.4/59$

asym_bpm2i01WS_rms vs Slug



Right In: 137.445+/-0.024 χ^2/NDF : 1417862.5/32

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 135.892+/-0.022 χ^2/NDF : 1584370.2/36

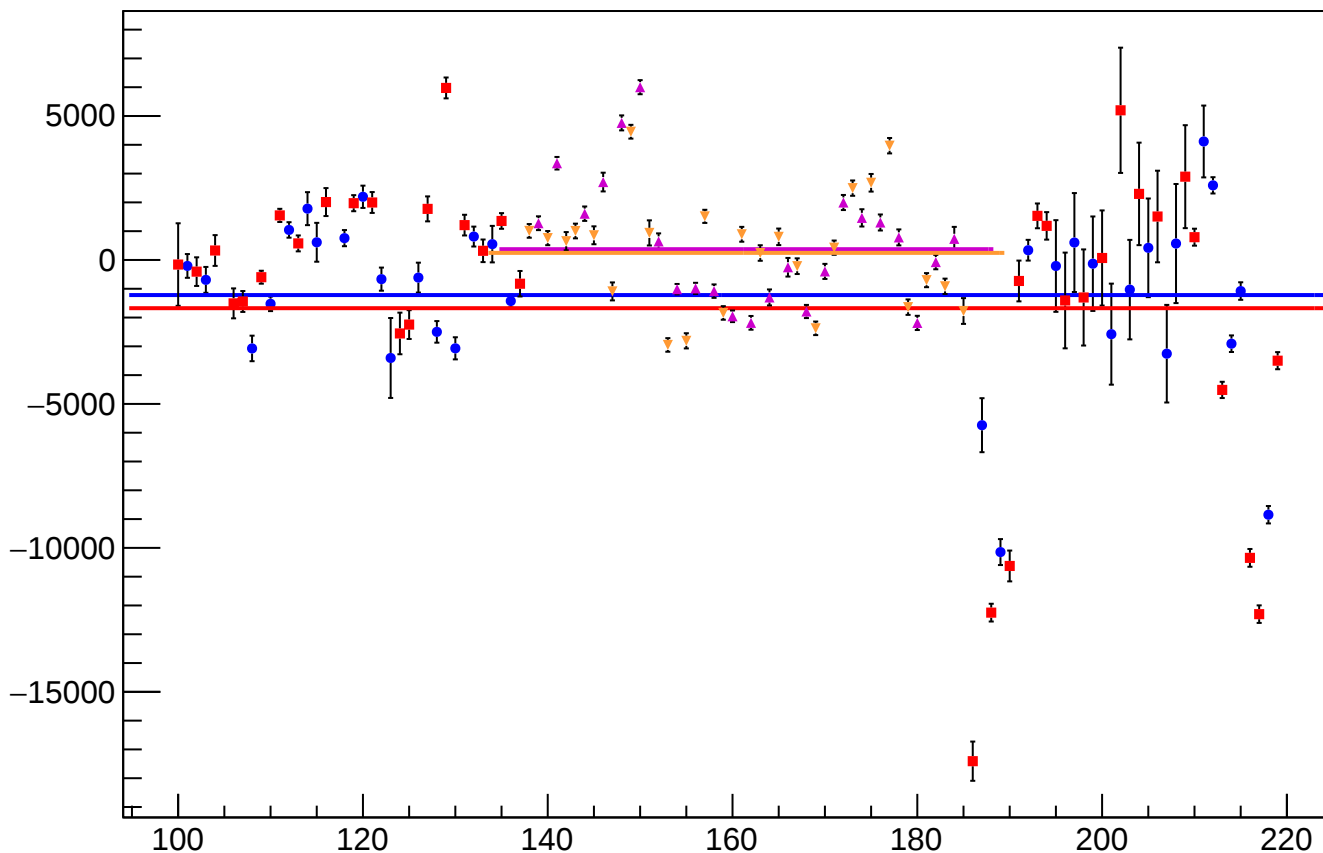
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 142.065+/-0.017 χ^2/NDF : 4017534.8/57

All: 141.663+/-0.012 χ^2/NDF : 8154619.3/117

- sign 141.271+/-0.017 χ^2/NDF : 4136016.9/59

asym_bpm0i07WS_mean vs Slug



Right In: -1219.016 ± 72.839 $\chi^2/\text{NDF}: 1654.5/32$

Left Out: 246.120 ± 53.492 $\chi^2/\text{NDF}: 1354.8/24$

Right Out: -1675.248 ± 65.274 $\chi^2/\text{NDF}: 5691.7/36$

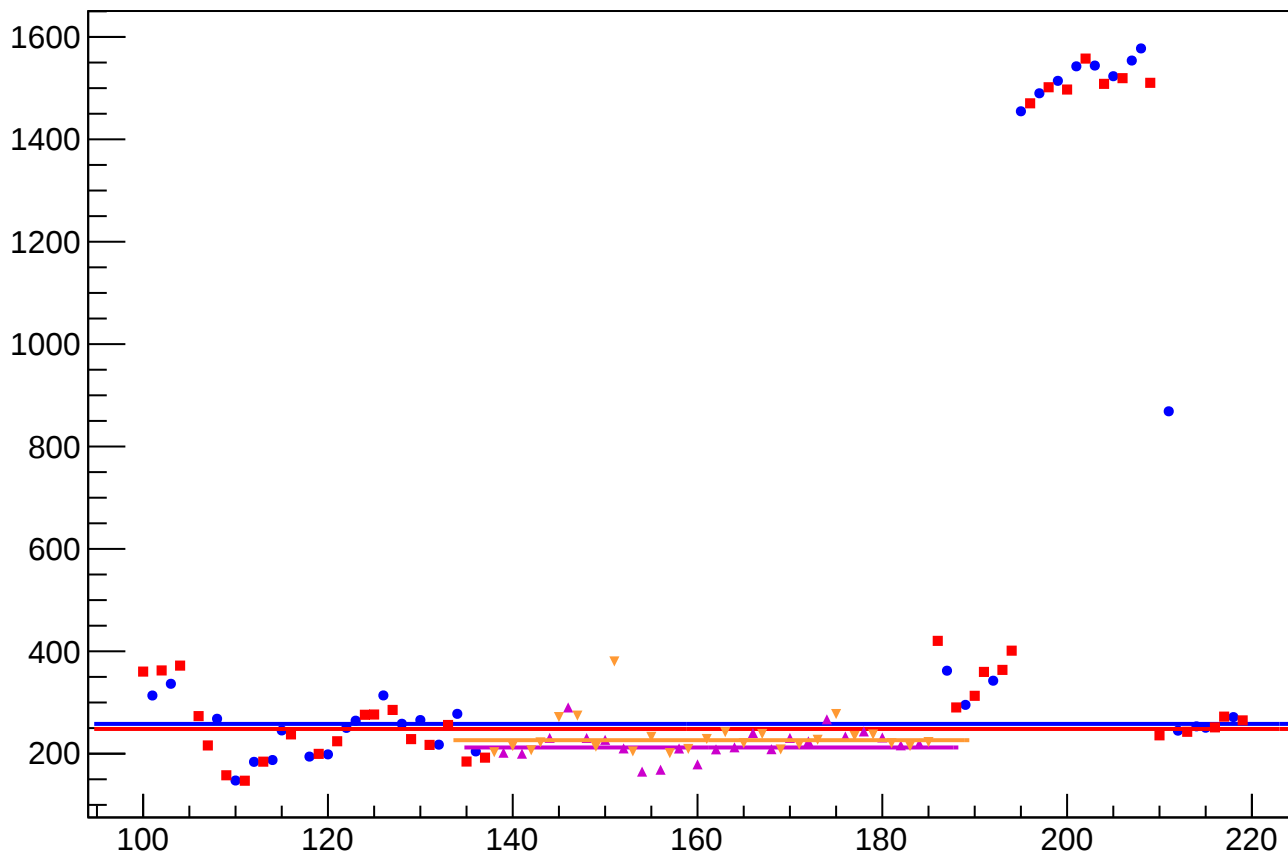
Left In: 374.465 ± 51.892 $\chi^2/\text{NDF}: 1798.3/22$

+ sign -267.206 ± 43.114 $\chi^2/\text{NDF}: 3272.2/57$

All: -347.784 ± 29.565 $\chi^2/\text{NDF}: 11372.9/117$

- sign -419.308 ± 40.620 $\chi^2/\text{NDF}: 8094.2/59$

asym_bpm0i07WS_rms vs Slug



Right In: 258.191+/-0.052 χ^2/NDF : 10202132.3/32

Left Out: 226.376+/-0.038 χ^2/NDF : 521770.1/24

Right Out: 248.315+/-0.046 χ^2/NDF : 9293963.3/36

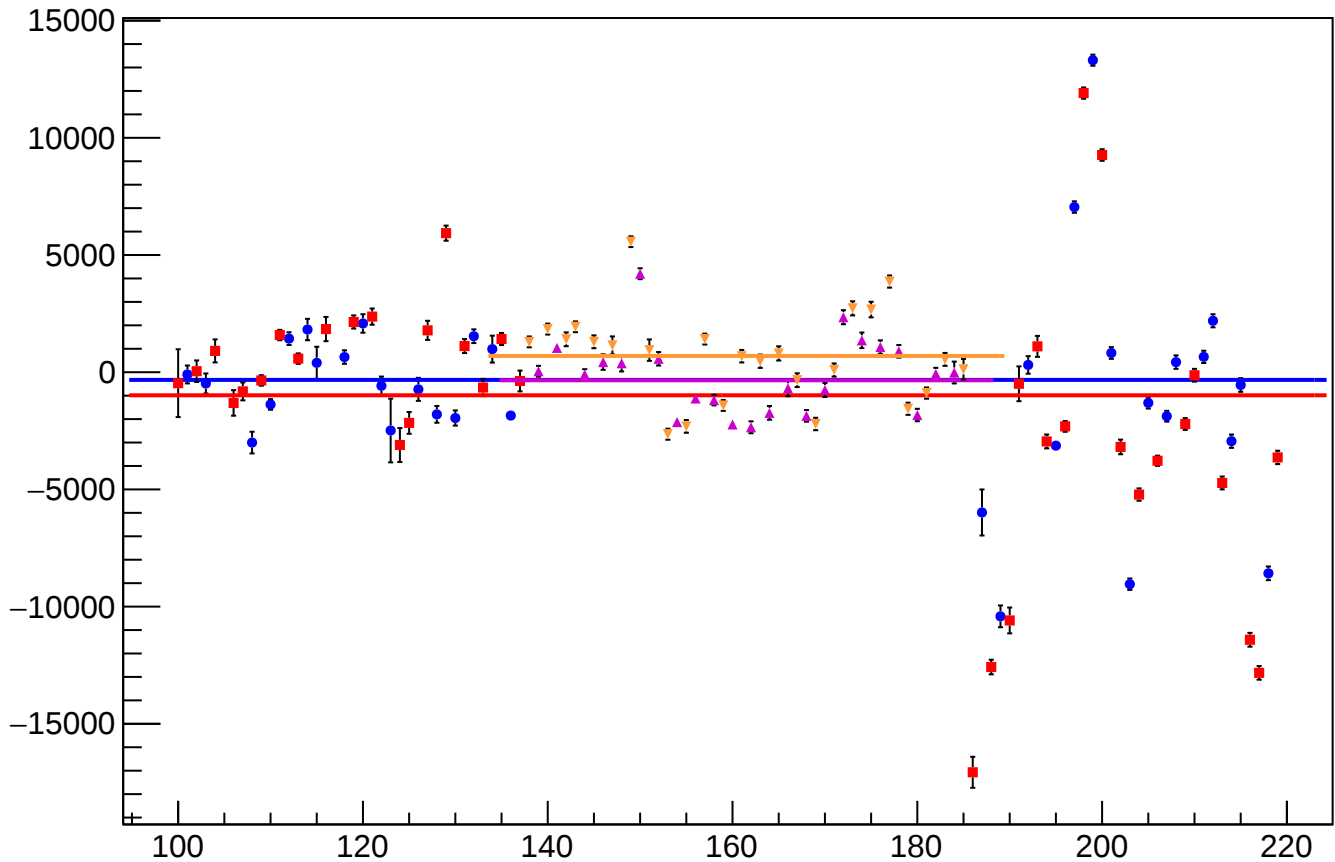
Left In: 212.145+/-0.037 χ^2/NDF : 591698.6/22

+ sign 237.522+/-0.030 χ^2/NDF : 10971779.1/57

All: 231.499+/-0.021 χ^2/NDF : 21307427.7/11

- sign 226.152+/-0.029 χ^2/NDF : 10261962.8/59

asym_bpm0l01WS_mean vs Slug



Right In: -327.285 ± 53.182 $\chi^2/\text{NDF}: 7609.7/32$

Left Out: 694.326 ± 54.246 $\chi^2/\text{NDF}: 1422.1/24$

Right Out: -983.783 ± 51.584 $\chi^2/\text{NDF}: 11747.3/36$

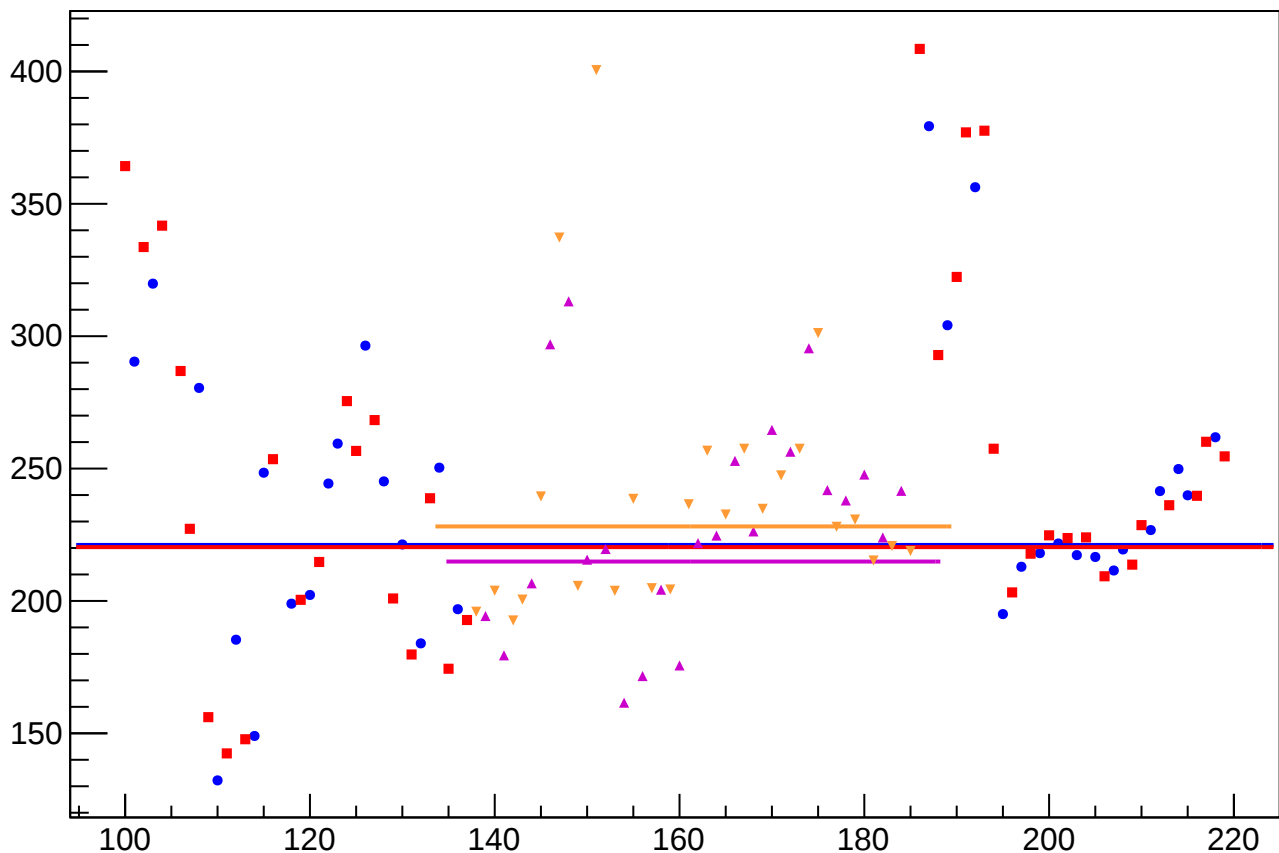
Left In: -344.578 ± 52.954 $\chi^2/\text{NDF}: 985.0/22$

+ sign 173.396 ± 37.976 $\chi^2/\text{NDF}: 9212.6/57$

All: -261.161 ± 26.483 $\chi^2/\text{NDF}: 22274.5/117$

- sign -672.558 ± 36.950 $\chi^2/\text{NDF}: 12807.0/59$

asym_bpm0l01WS_rms vs Slug



Right In: 221.153 ± 0.038 $\chi^2/\text{NDF}: 1237289.1/32$

Left Out: 228.144 ± 0.038 $\chi^2/\text{NDF}: 828399.3/24$

Right Out: 220.331 ± 0.036 $\chi^2/\text{NDF}: 1918018.7/36$

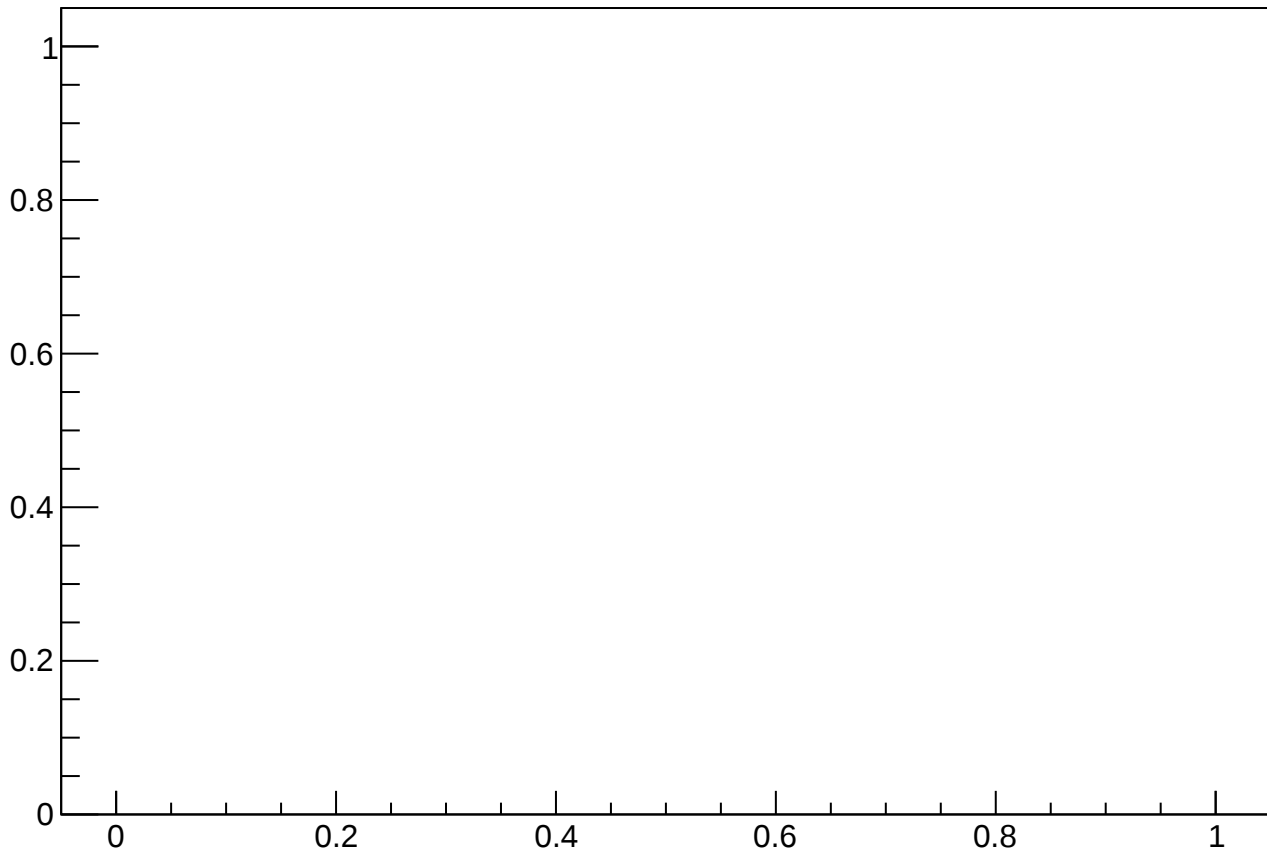
Left In: 214.878 ± 0.037 $\chi^2/\text{NDF}: 1037509.6/22$

+ sign 224.579 ± 0.027 $\chi^2/\text{NDF}: 2082623.0/57$

All: 221.033 ± 0.019 $\chi^2/\text{NDF}: 5082980.9/117$

- sign 217.676 ± 0.026 $\chi^2/\text{NDF}: 2966408.8/59$

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

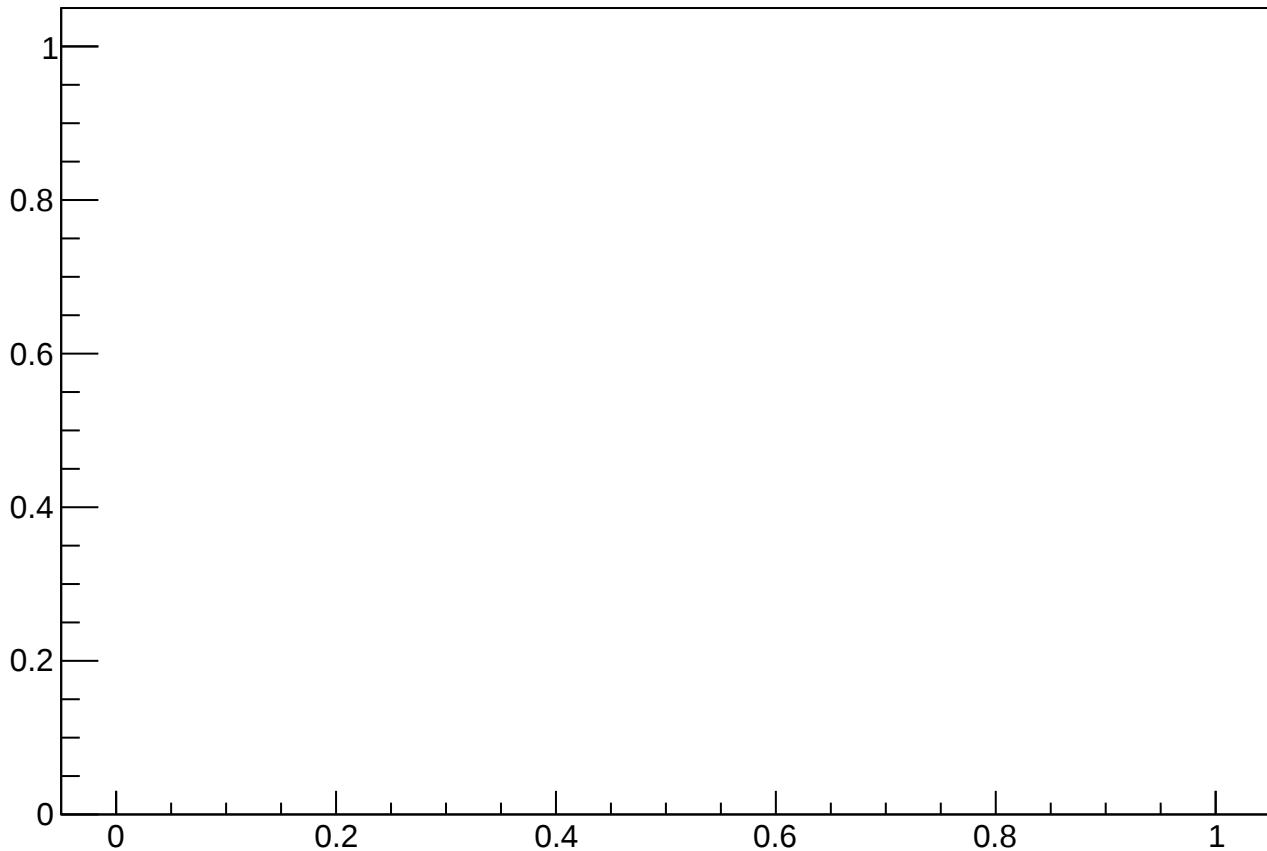
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

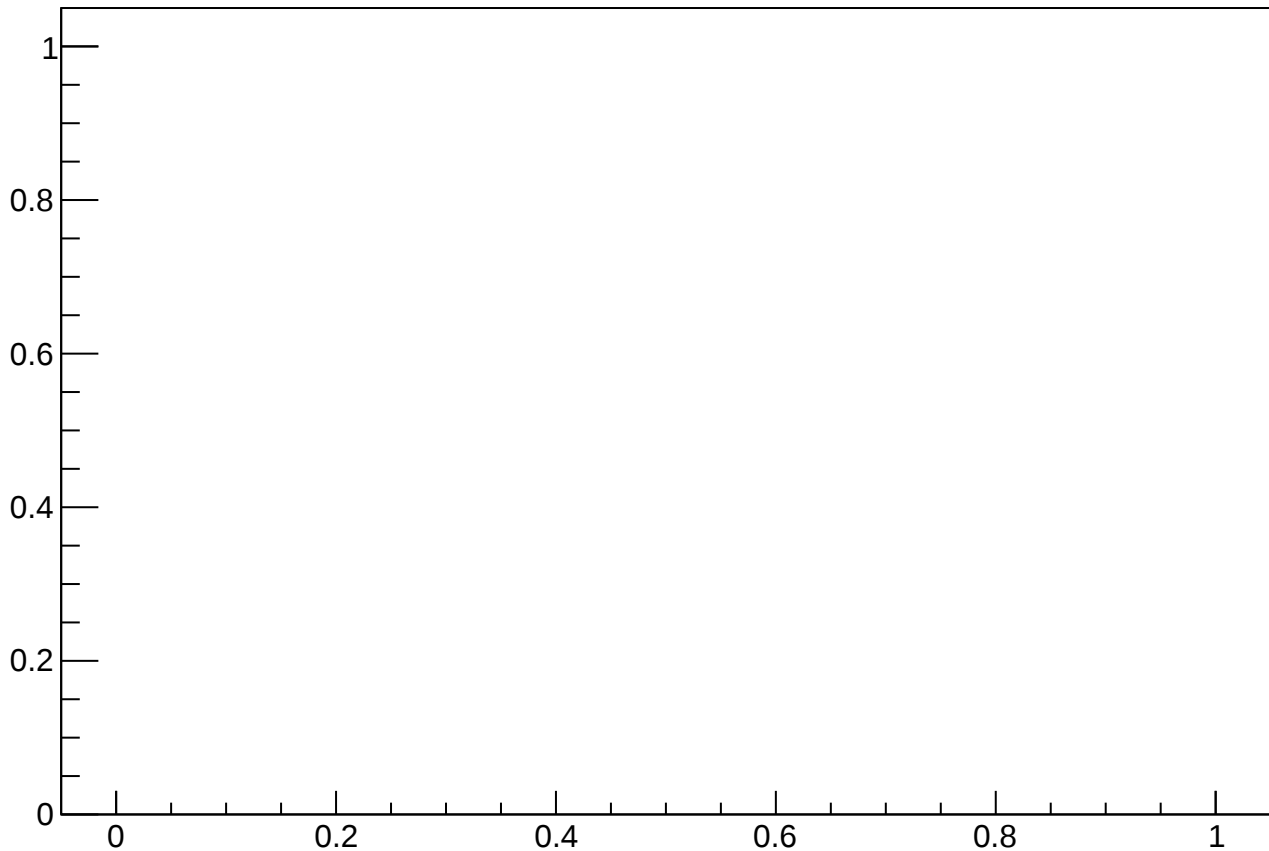
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

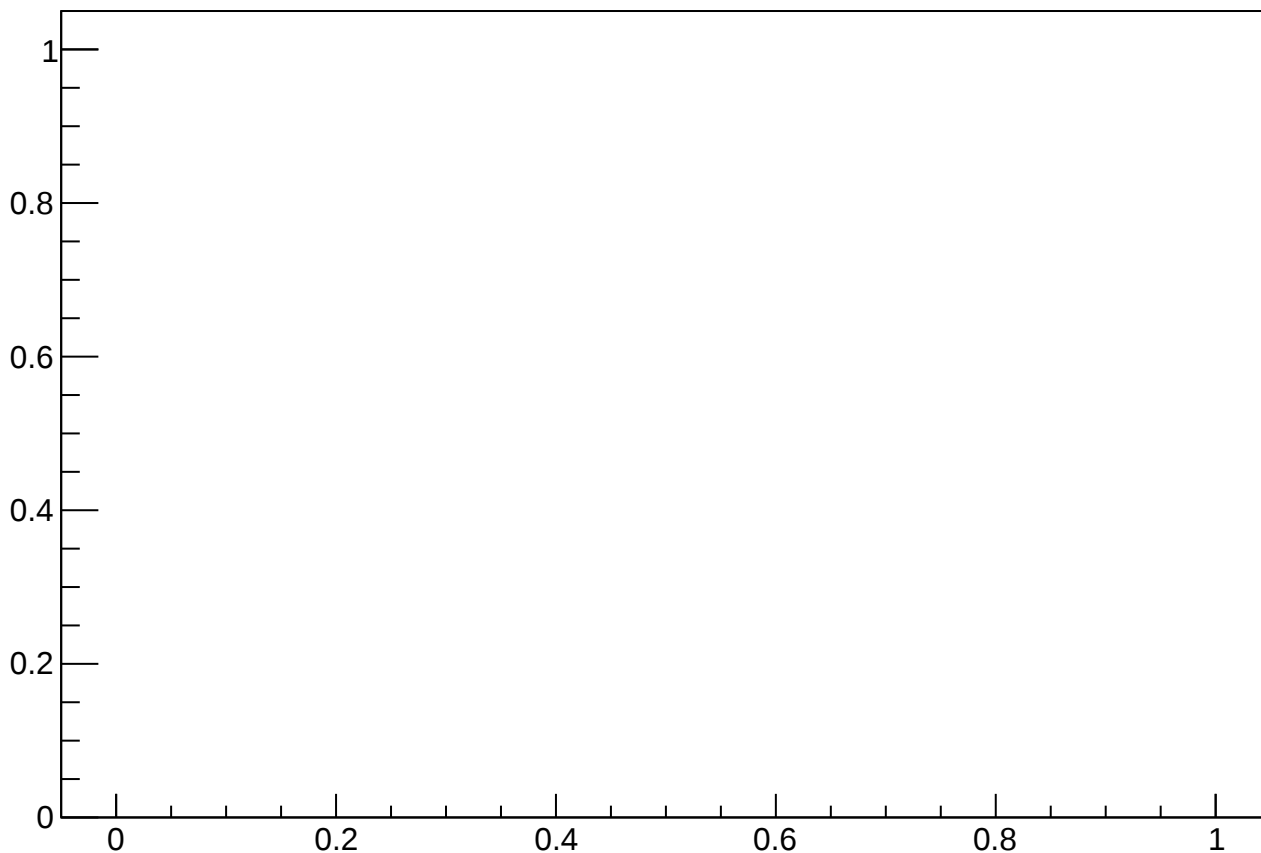
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

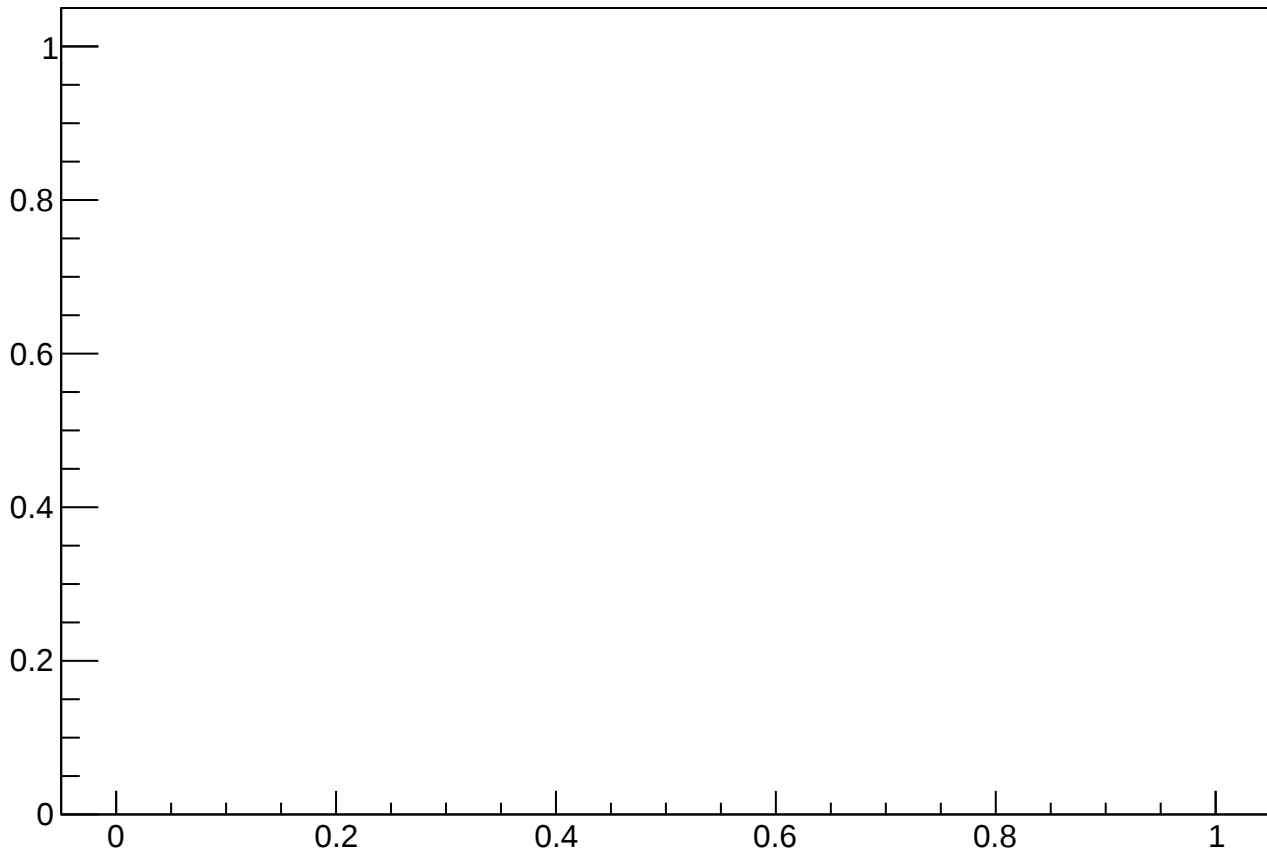
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

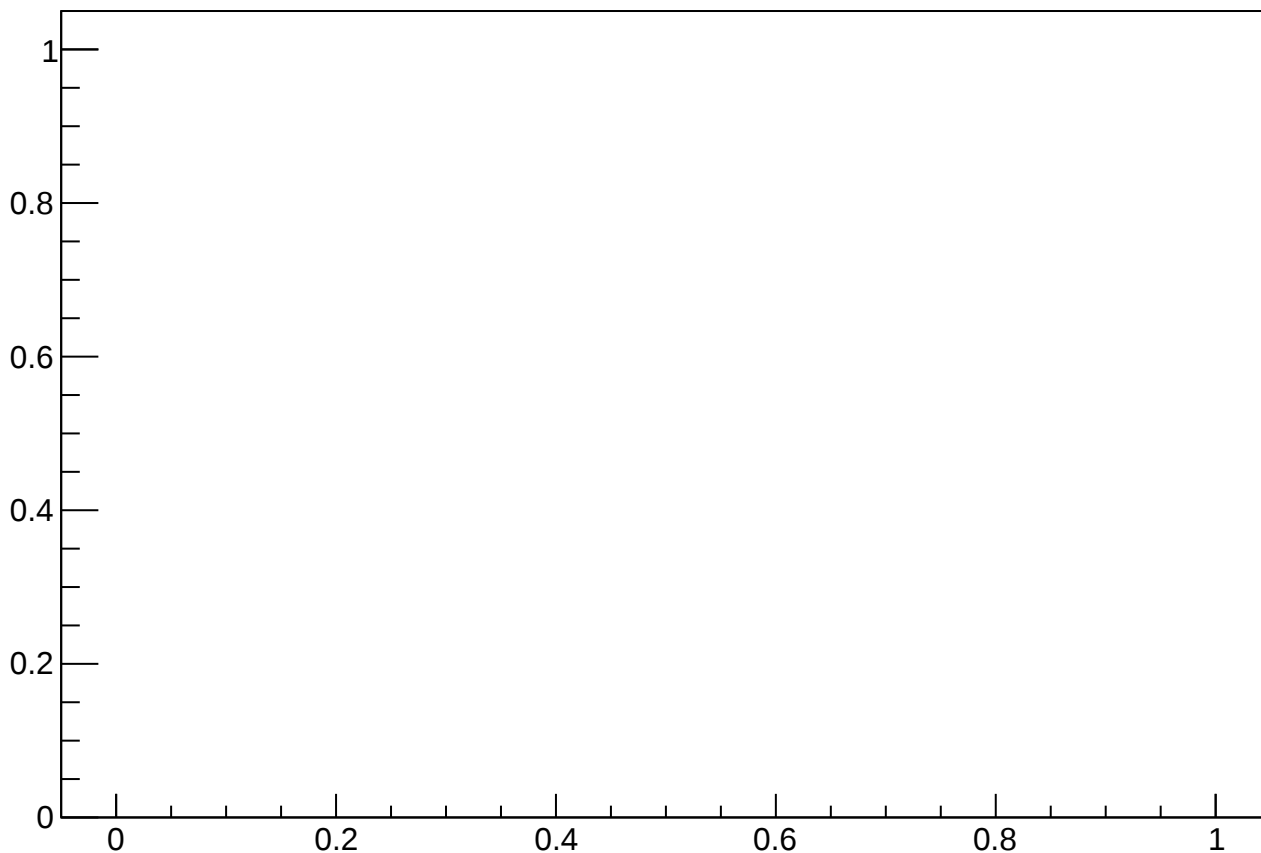
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

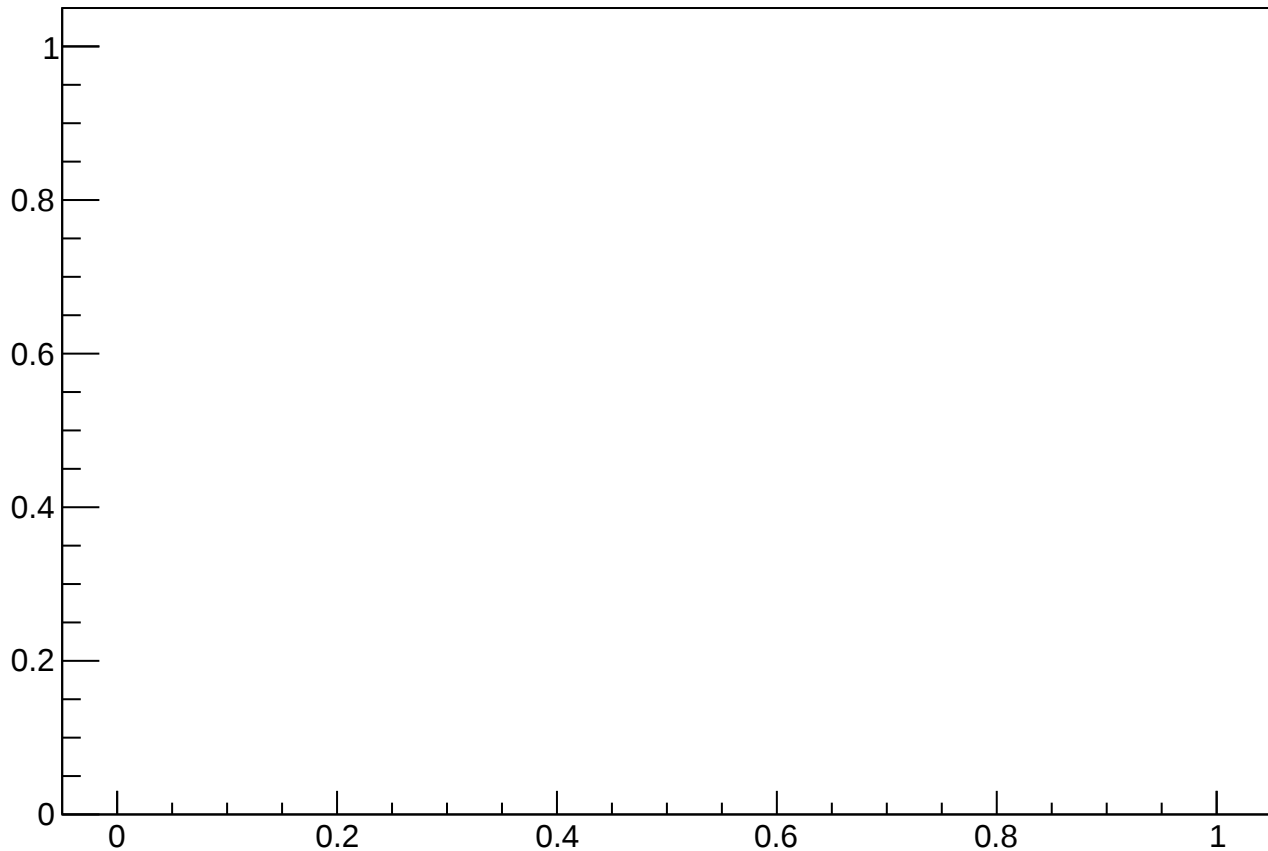
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

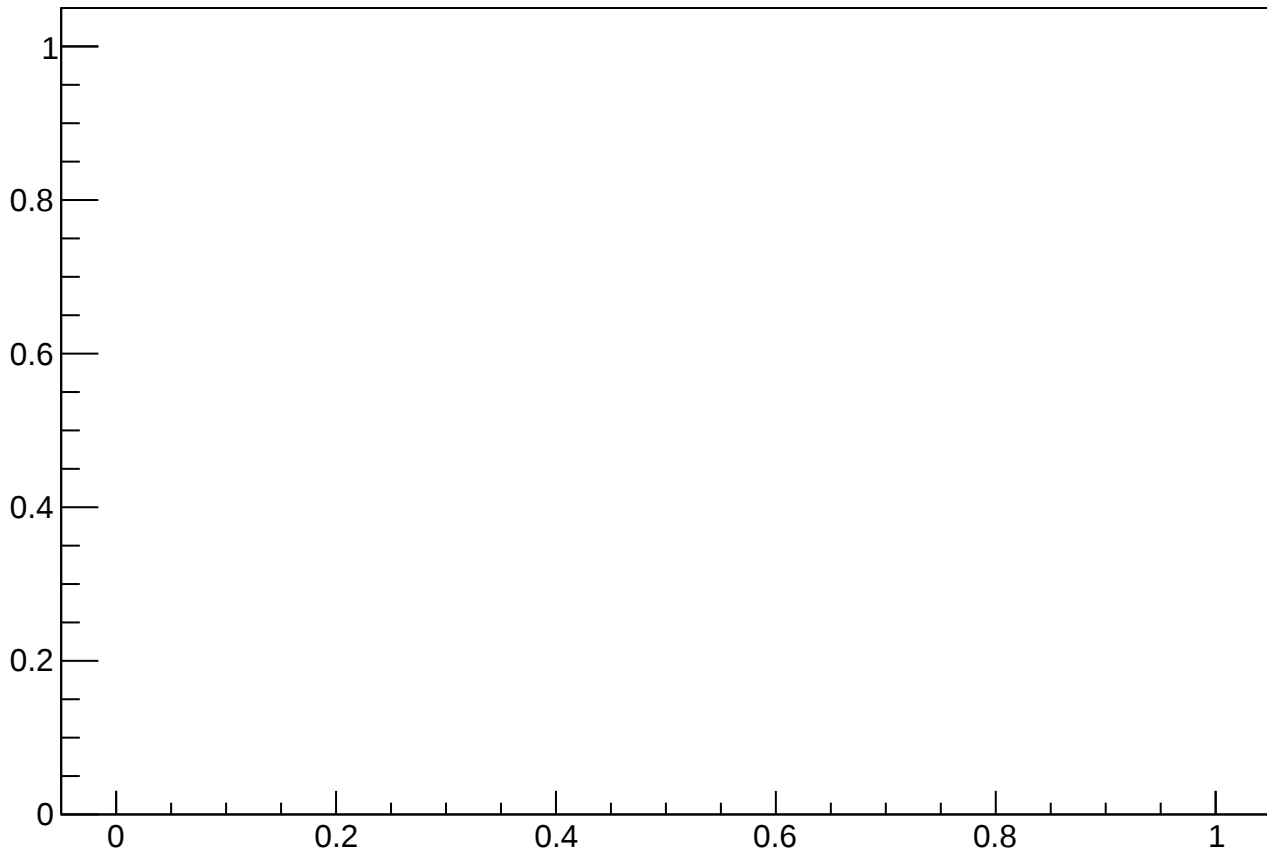
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

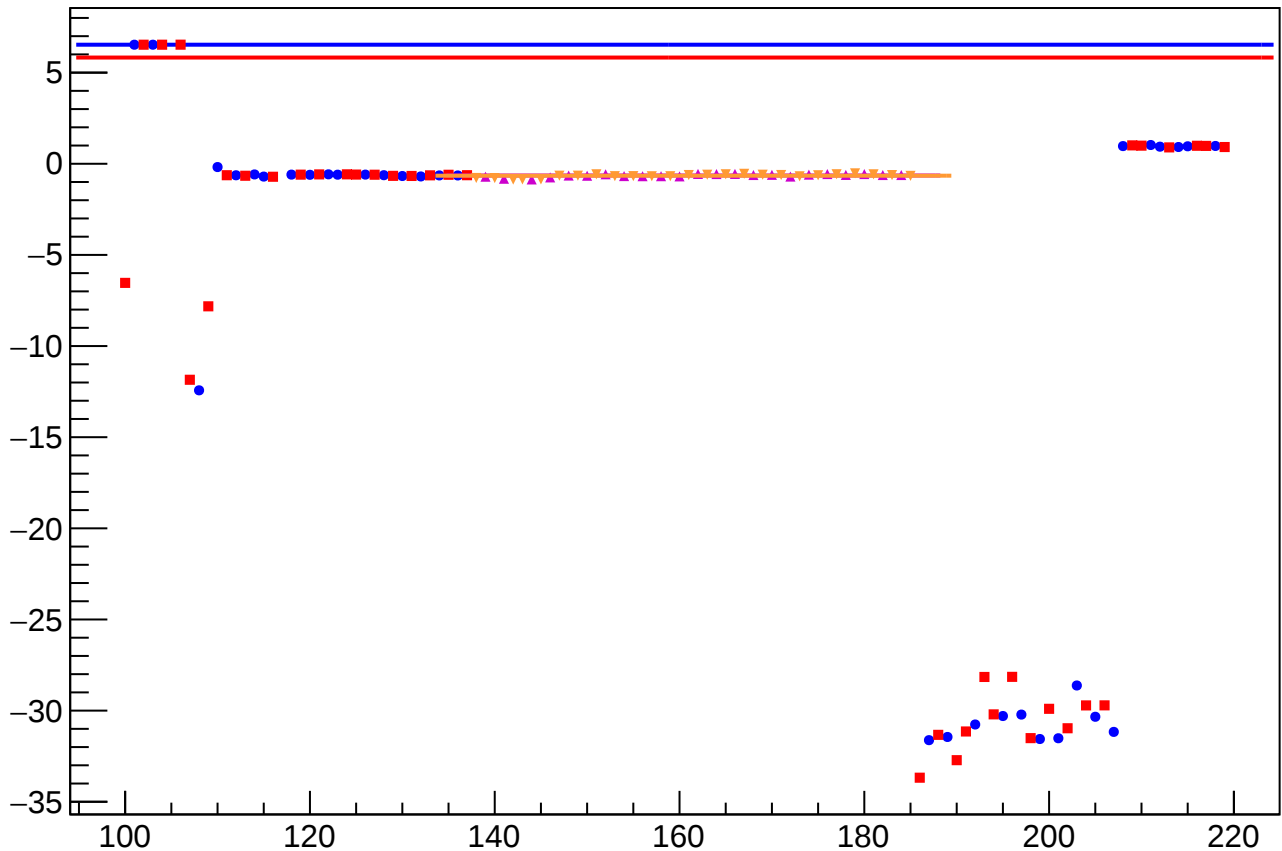
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 138717637246.6/32

Left Out: -0.654 ± 0.000 χ^2/NDF : 179069954.8/24

Right Out: 5.827 ± 0.000 χ^2/NDF : 755970602025205.9/36

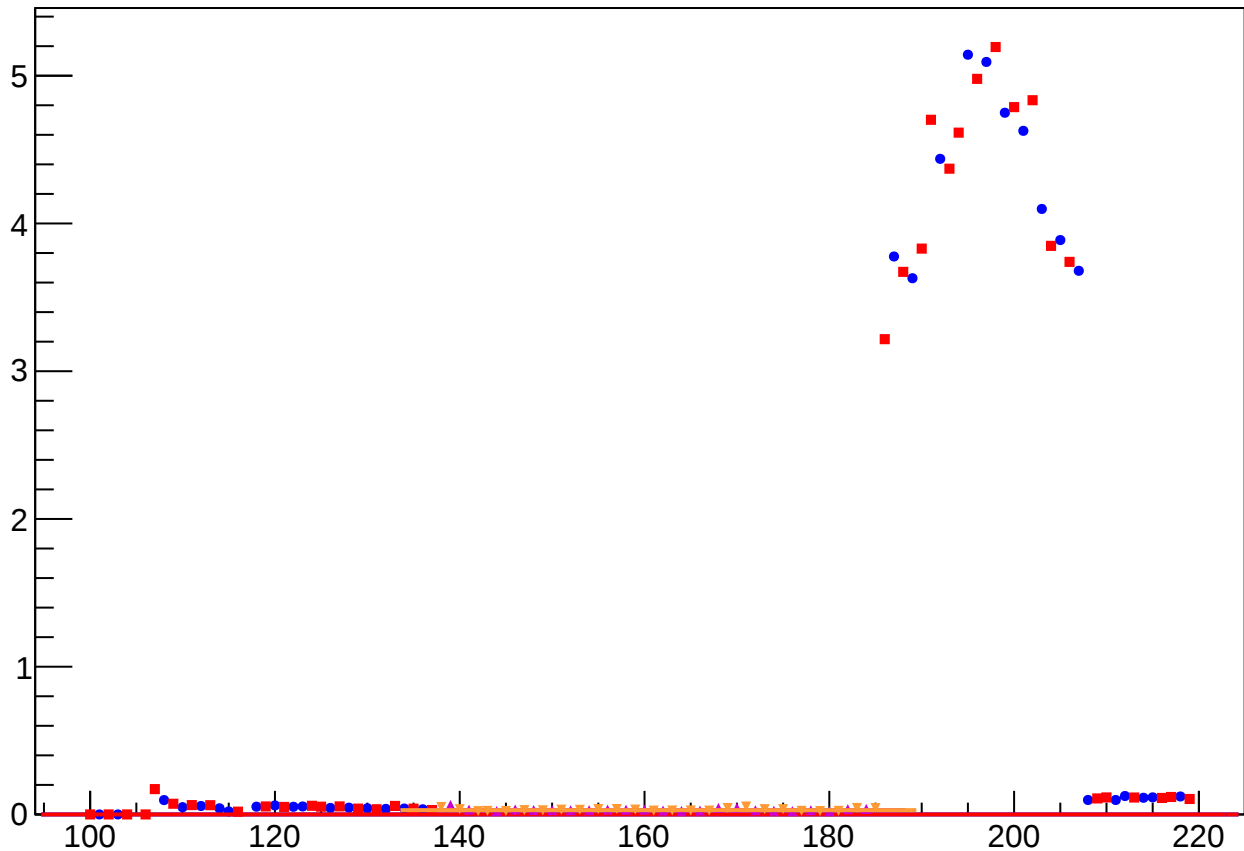
Left In: -0.643 ± 0.000 χ^2/NDF : 123743747.1/22

+ sign 6.530 ± 0.000 χ^2/NDF : 1012550972765.3/57

All: 6.153 ± 0.000 χ^2/NDF : 77764644891905

- sign 5.826 ± 0.000 χ^2/NDF : 756649061108981.1/36

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31217438.5/32

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33485831.2/36

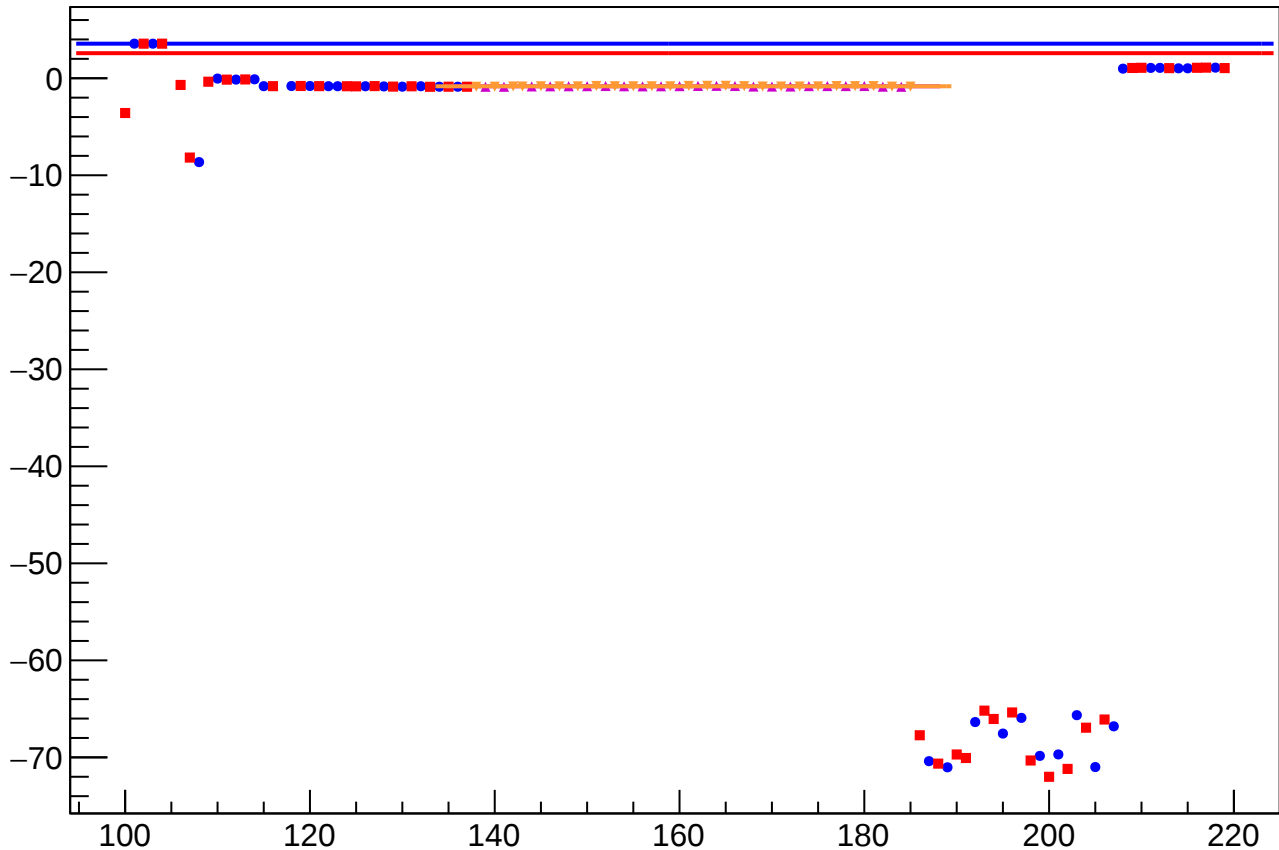
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 61180192.2/57

All: 0.000+/-0.000 χ^2/NDF : 122847722.3/117

- sign 0.000+/-0.000 χ^2/NDF : 61666832.7/59

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 581903884366.8/32

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253565465949878.0/36

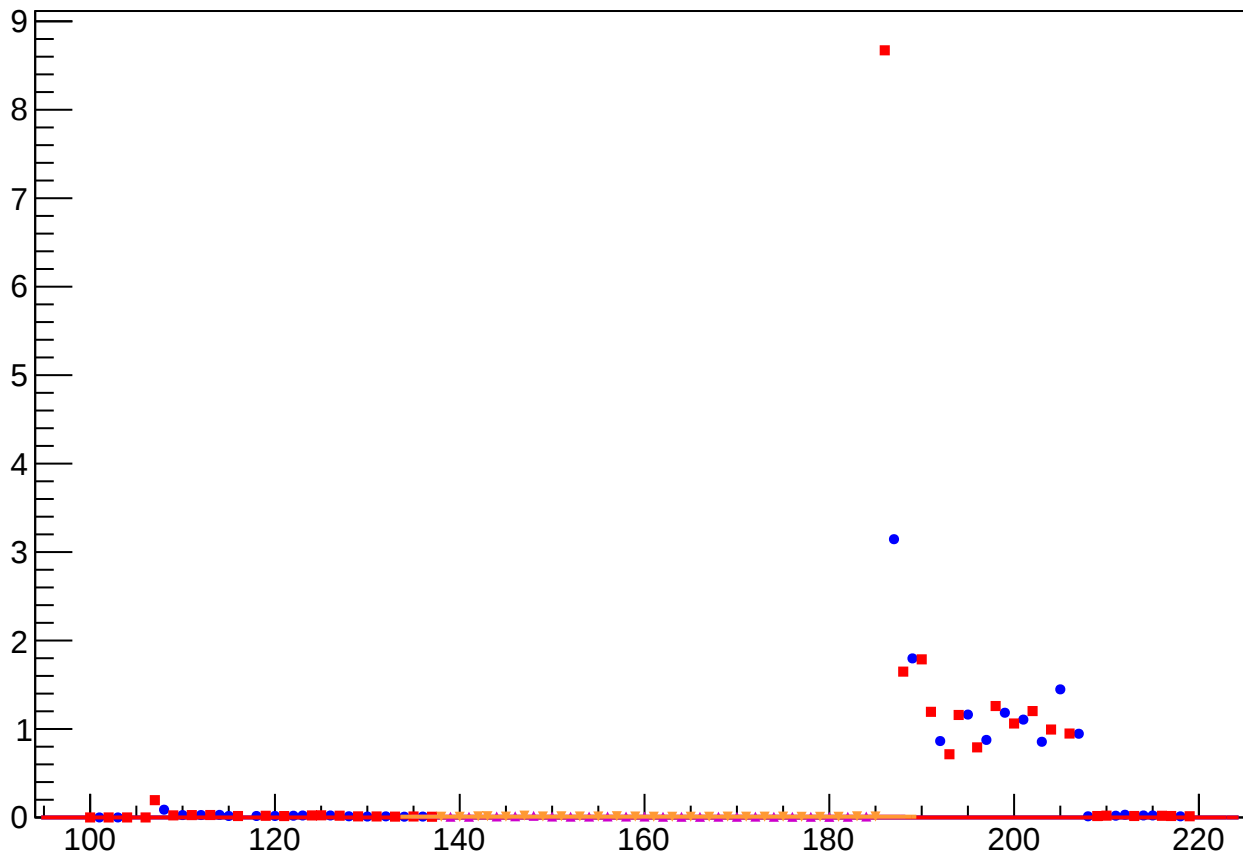
Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4278148968191.6/57

All: 3.037+/-0.000 χ^2/NDF : 1388138787891.6/100

- sign 2.581+/-0.000 χ^2/NDF : 1255786454937994.2/36

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 28445311.6/32

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31074840.5/36

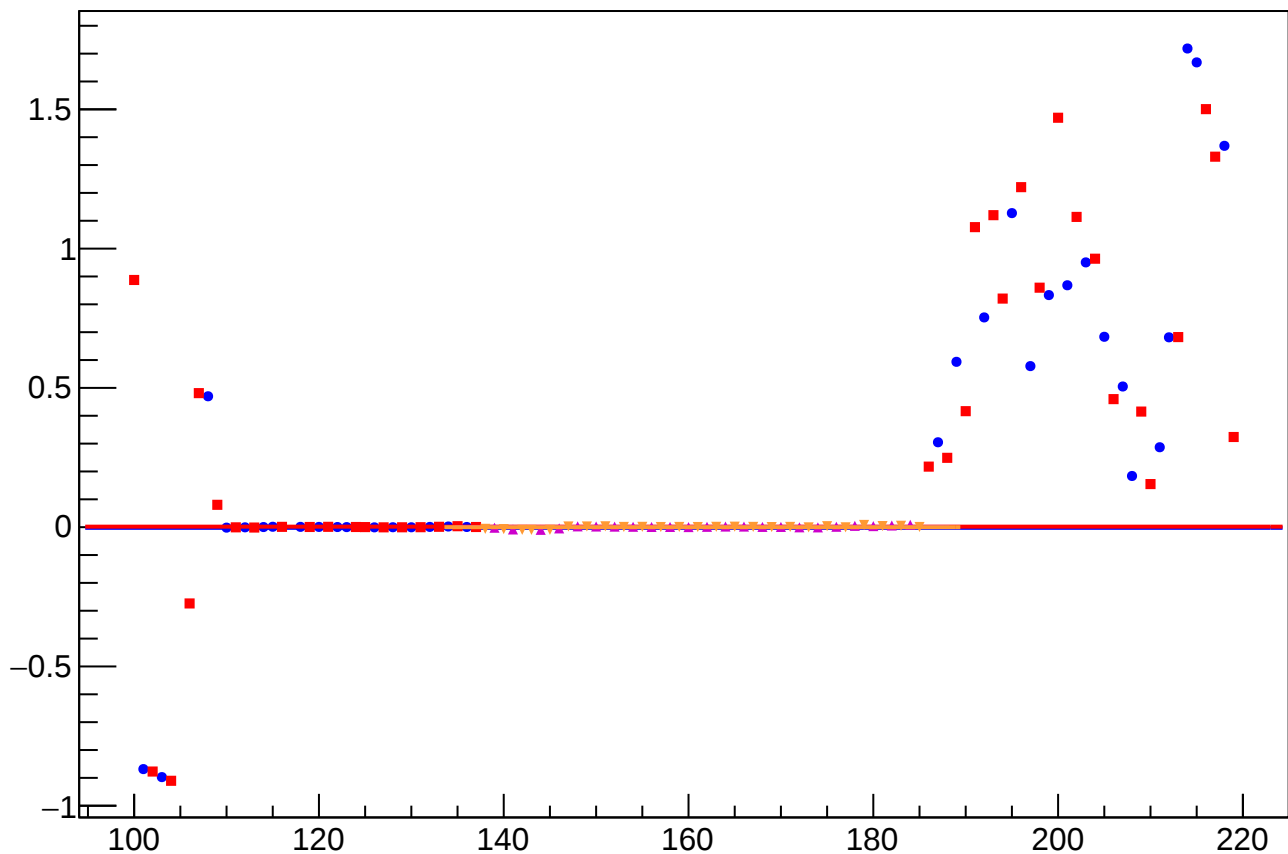
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 59948253.1/57

All: 0.000+/-0.000 χ^2/NDF : 120825044.8/117

- sign 0.000+/-0.000 χ^2/NDF : 60875777.5/59

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9797444120.5/32

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3044231540.2/36

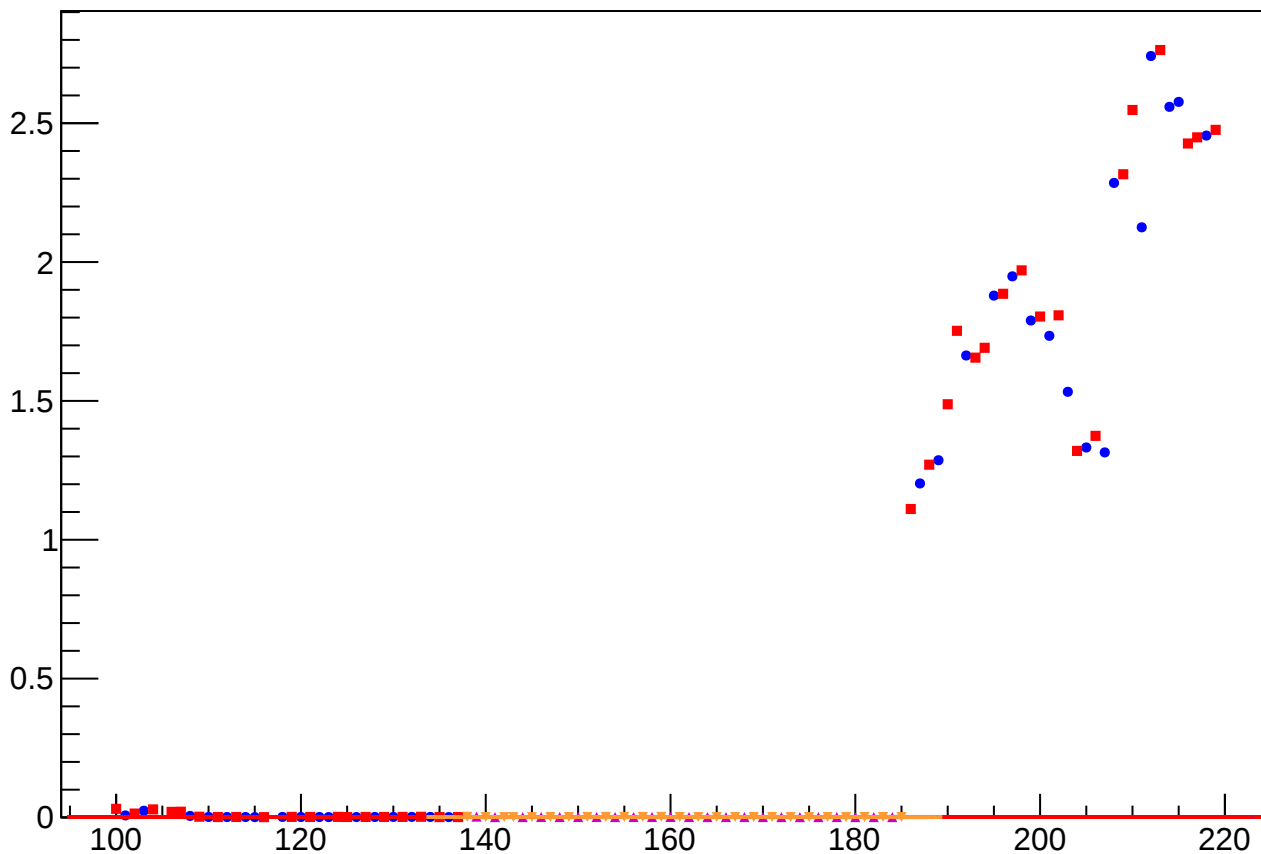
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9955958904.1/57

All: 0.000 ± 0.000 χ^2/NDF : 13111190414.6/100

- sign 0.001 ± 0.000 χ^2/NDF : 3147680149.9/59

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 24261477.6/32

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539040.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 27157461.8/36

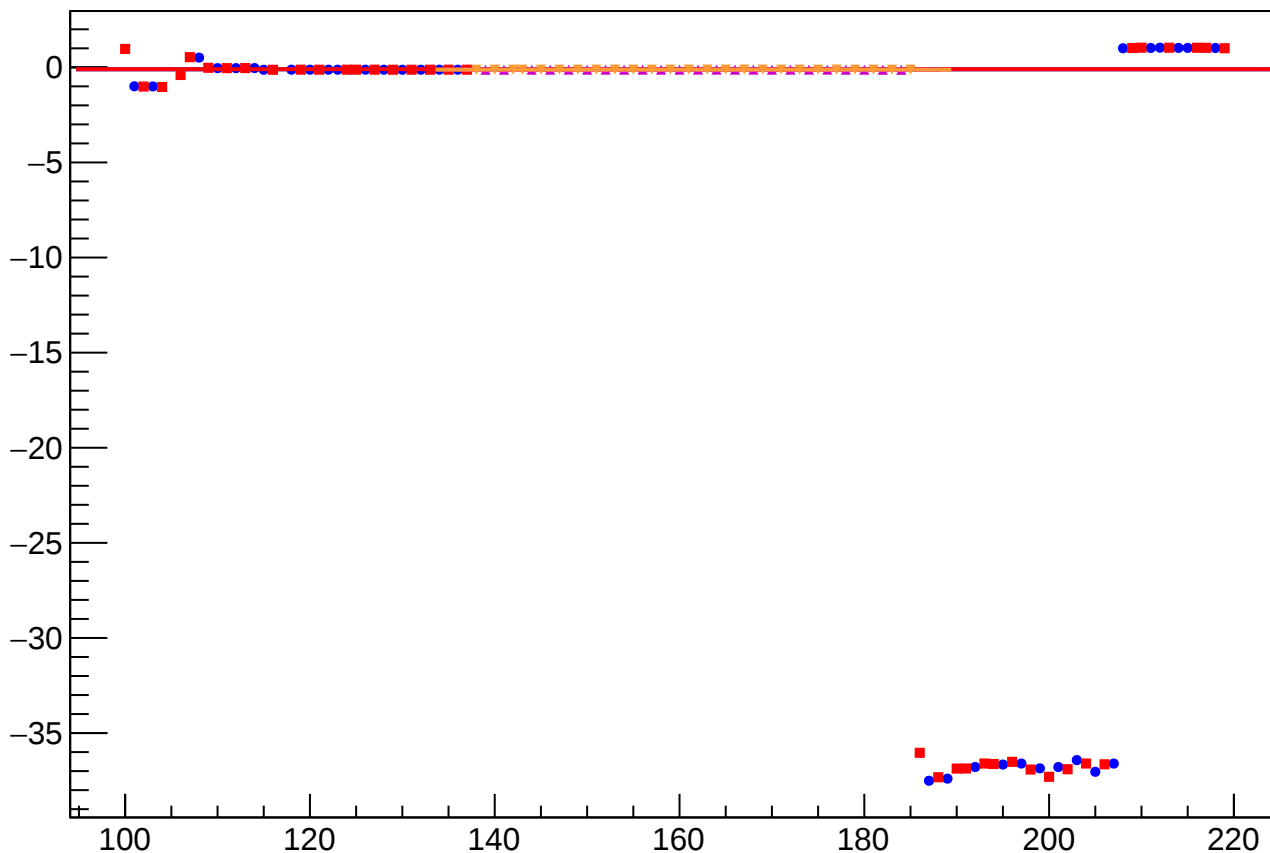
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 24873071.2/57

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 52809889.4/117

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 27928911.5/59

yield_cav4cY_mean vs Slug



Right In: -0.104+/-0.000 χ^2/NDF : 101942570413.8/32

Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.099+/-0.000 χ^2/NDF : 106476744741.9/36

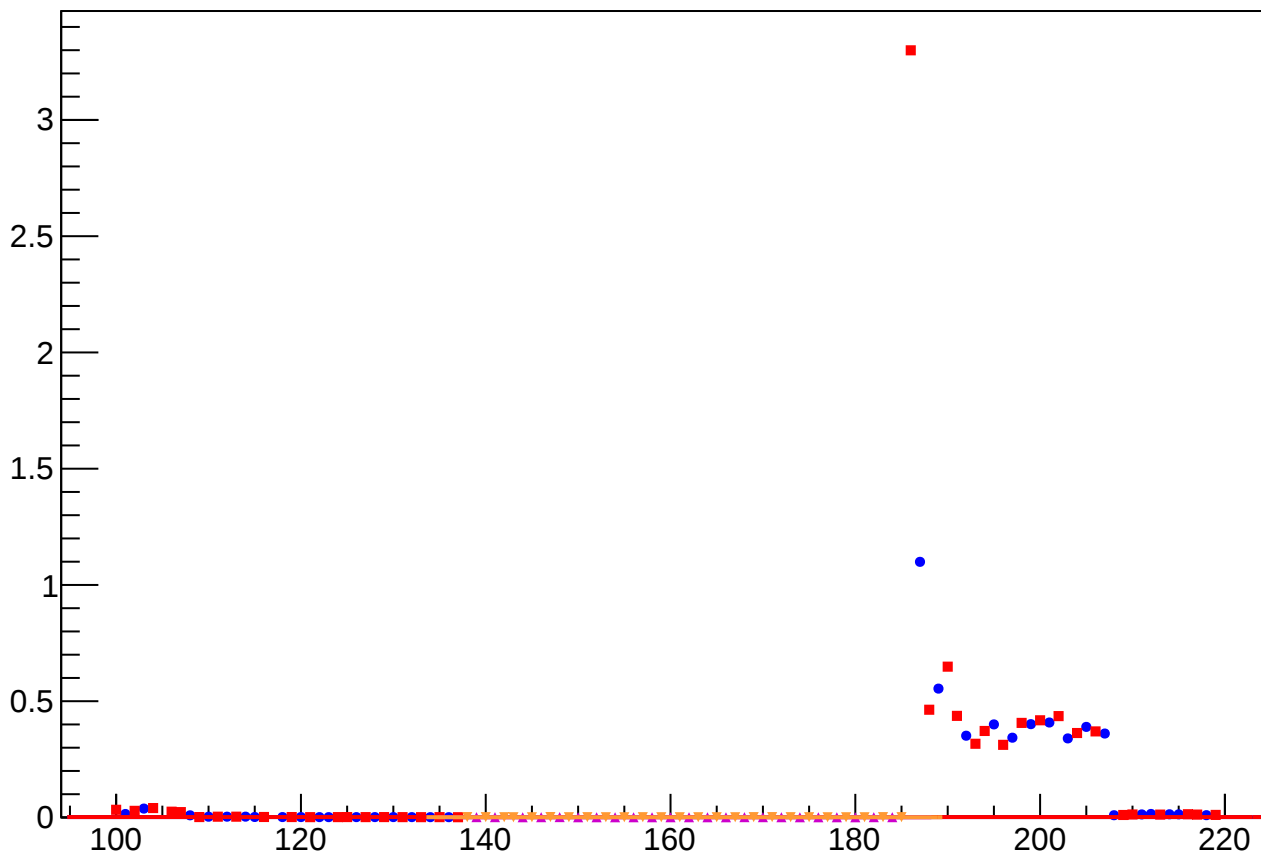
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.119+/-0.000 χ^2/NDF : 102494423692.8/57

All: -0.119+/-0.000 χ^2/NDF : 209884652076.1

- sign -0.119+/-0.000 χ^2/NDF : 107383686739.8/59

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 22300223.4/32

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1362851.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 24889374.9/36

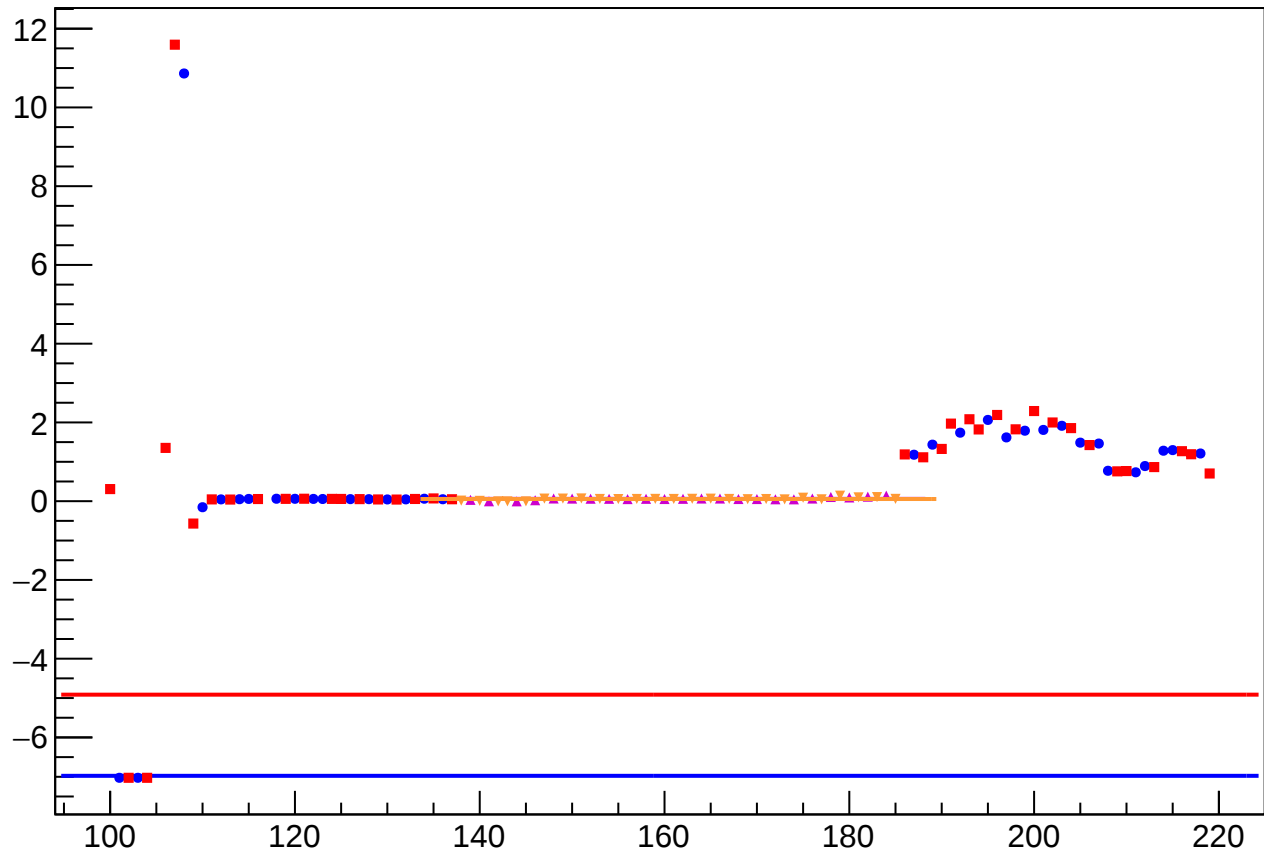
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:972588.0/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 25577839.6/57

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 53333704.2/117

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 27753023.8/59

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8763147945404.3/32

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348939813044.2/36

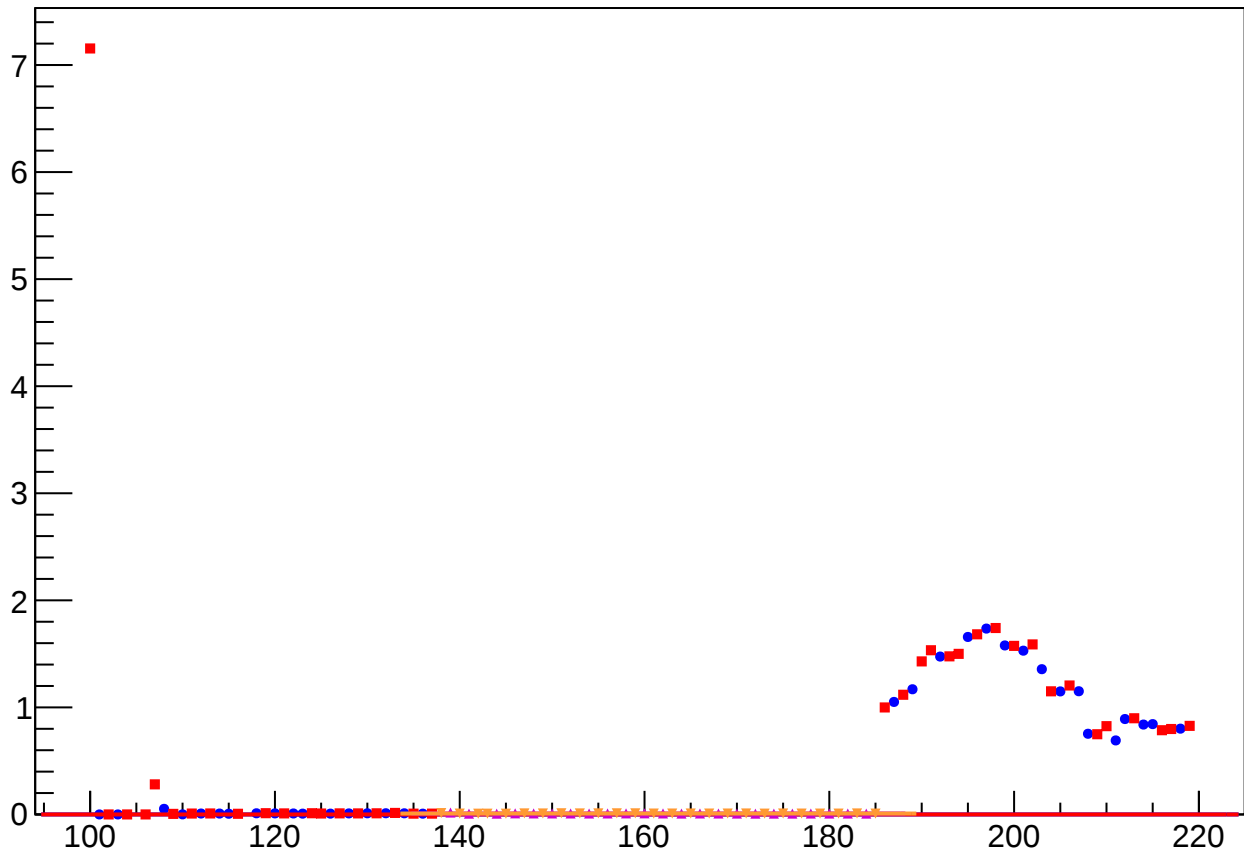
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18418129533180.6/32

All: -5.858 ± 0.000 χ^2/NDF : 4435822203955.2/32

- sign -4.882 ± 0.000 χ^2/NDF : 369771227716128.5/32

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 30591140.9/32

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 32924838.8/36

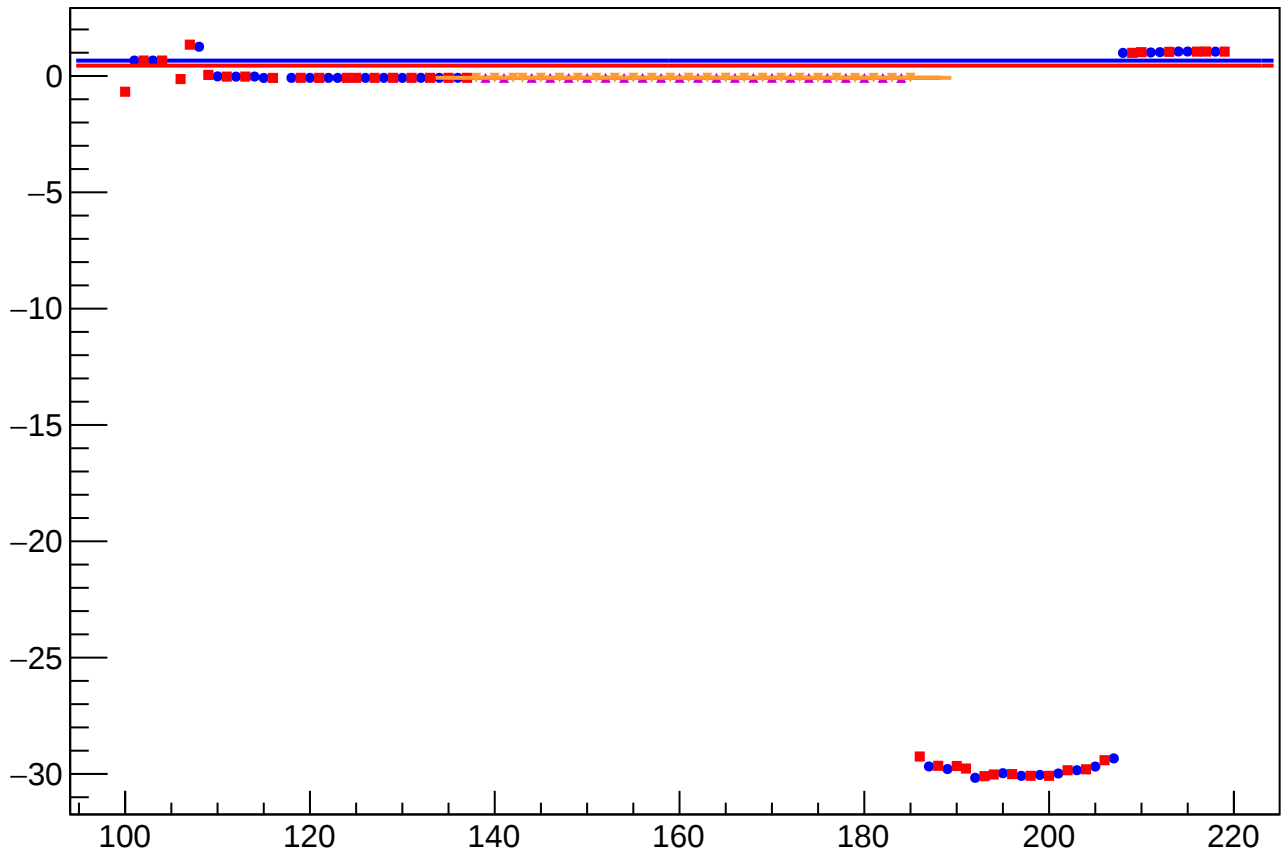
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 59576542.7/57

All: 0.000+/-0.000 χ^2/NDF : 120178064.7/117

- sign 0.000+/-0.000 χ^2/NDF : 60597044.0/59

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5649334062454.2/32

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405486762014241.5/36

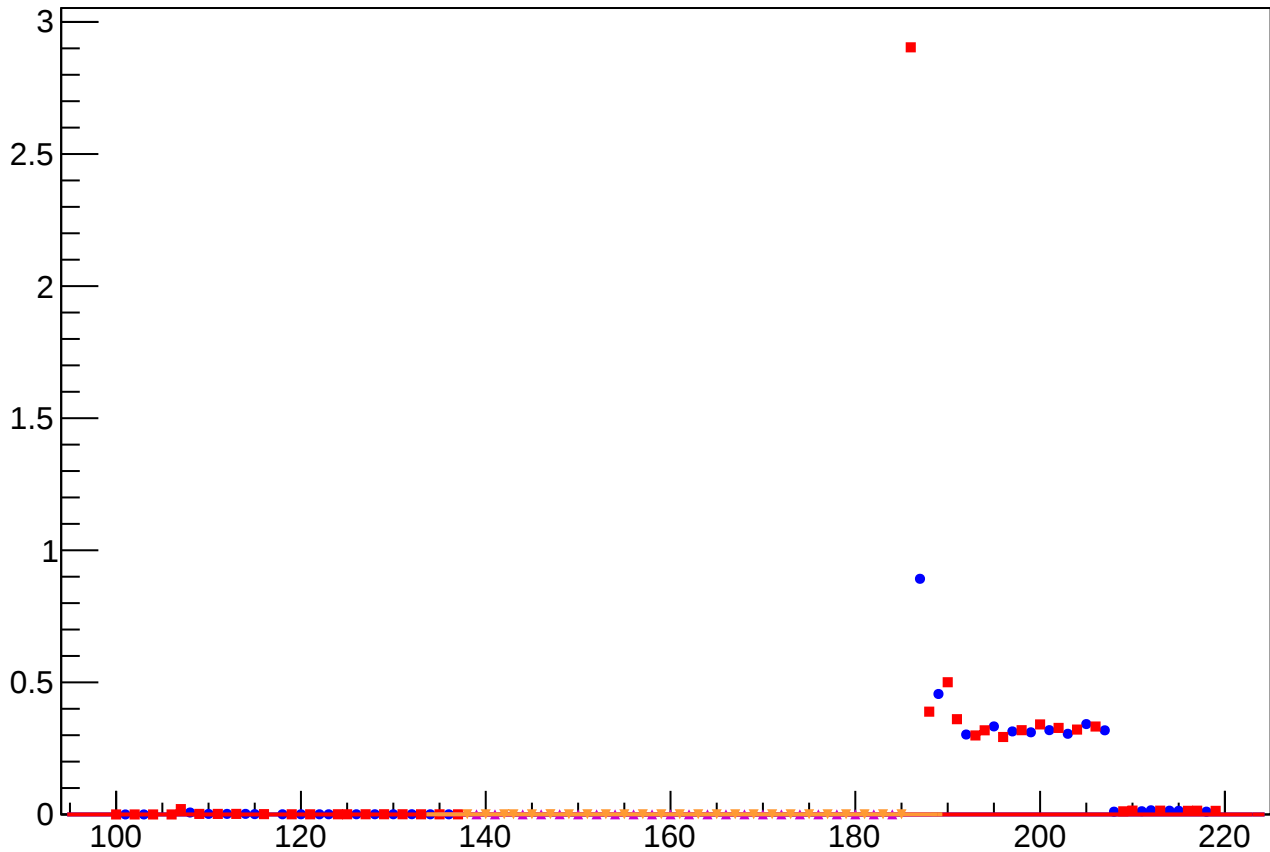
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35817095030036.7/5

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51611579395070

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419718535997029.5/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31809977.4/32

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33438861.5/36

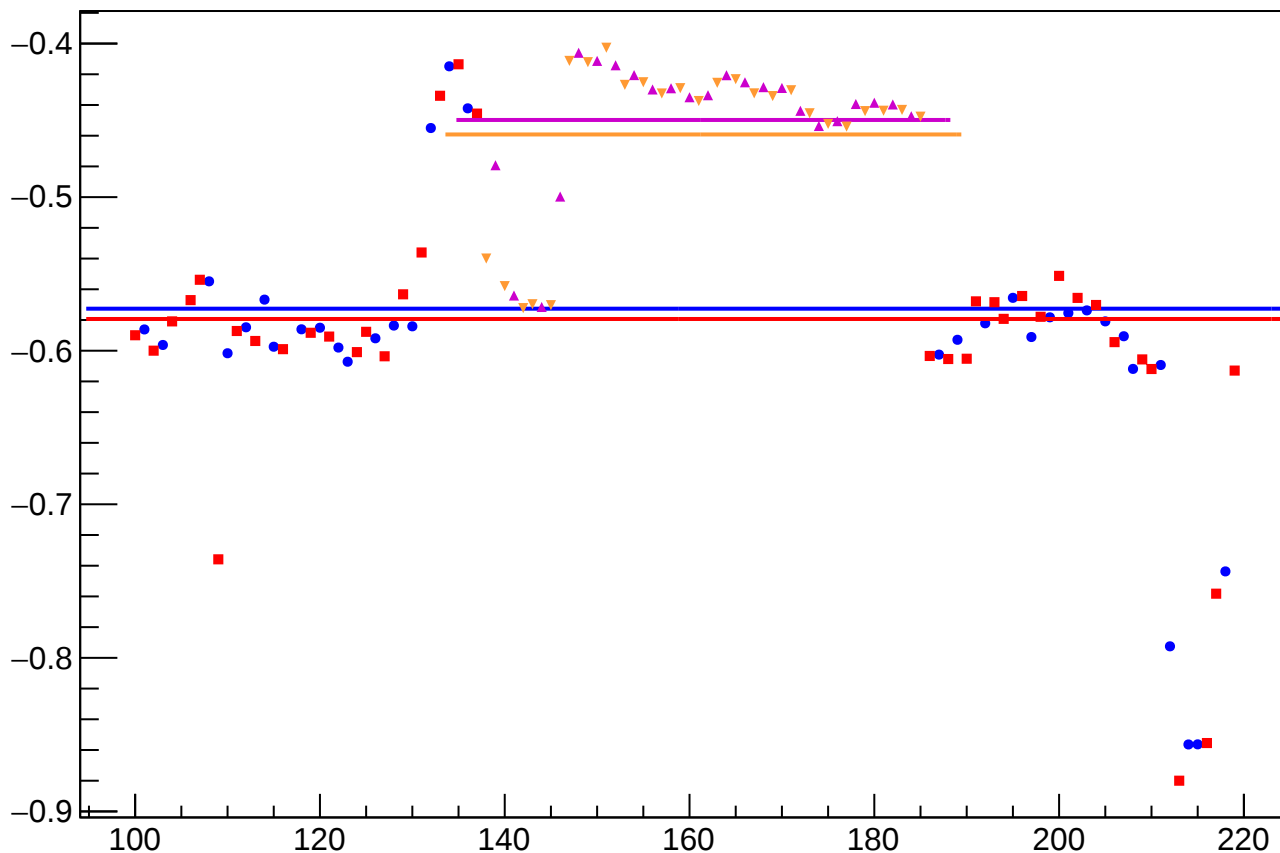
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 64443819.1/57

All: 0.000+/-0.000 χ^2/NDF : 128913897.2/117

- sign 0.000+/-0.000 χ^2/NDF : 64462802.5/59

yield_bpm4aX_mean vs Slug



Right In: -0.573 ± 0.000 $\chi^2/\text{NDF}: 114533730.0/32$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113808762.6/24$

Right Out: -0.579 ± 0.000 $\chi^2/\text{NDF}: 119915621.4/36$

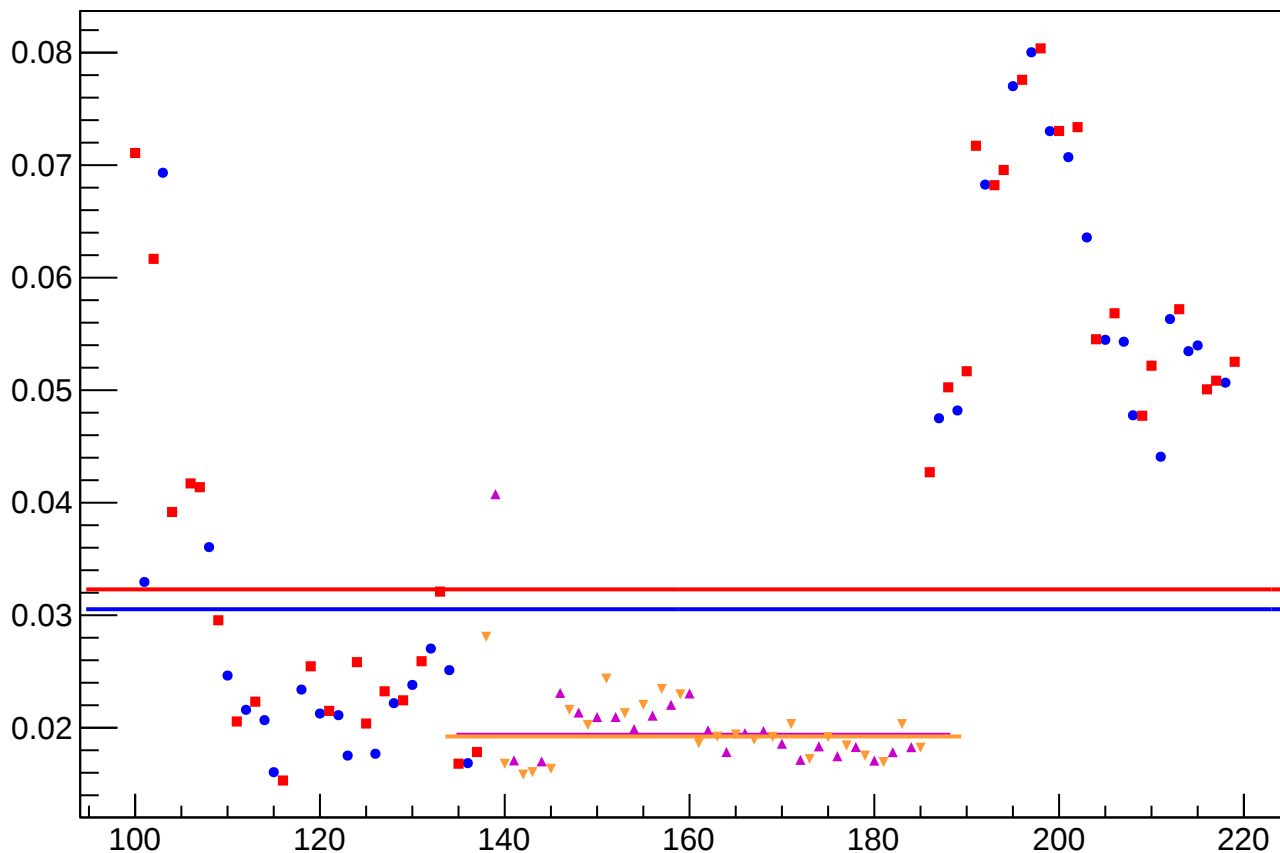
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76151485.7/22$

+ sign -0.488 ± 0.000 $\chi^2/\text{NDF}: 360283305.3/57$

All: -0.486 ± 0.000 $\chi^2/\text{NDF}: 723136543.3/11$

- sign -0.484 ± 0.000 $\chi^2/\text{NDF}: 362429728.6/59$

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 7766562.9/32

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.032+/-0.000 χ^2/NDF : 7835570.5/36

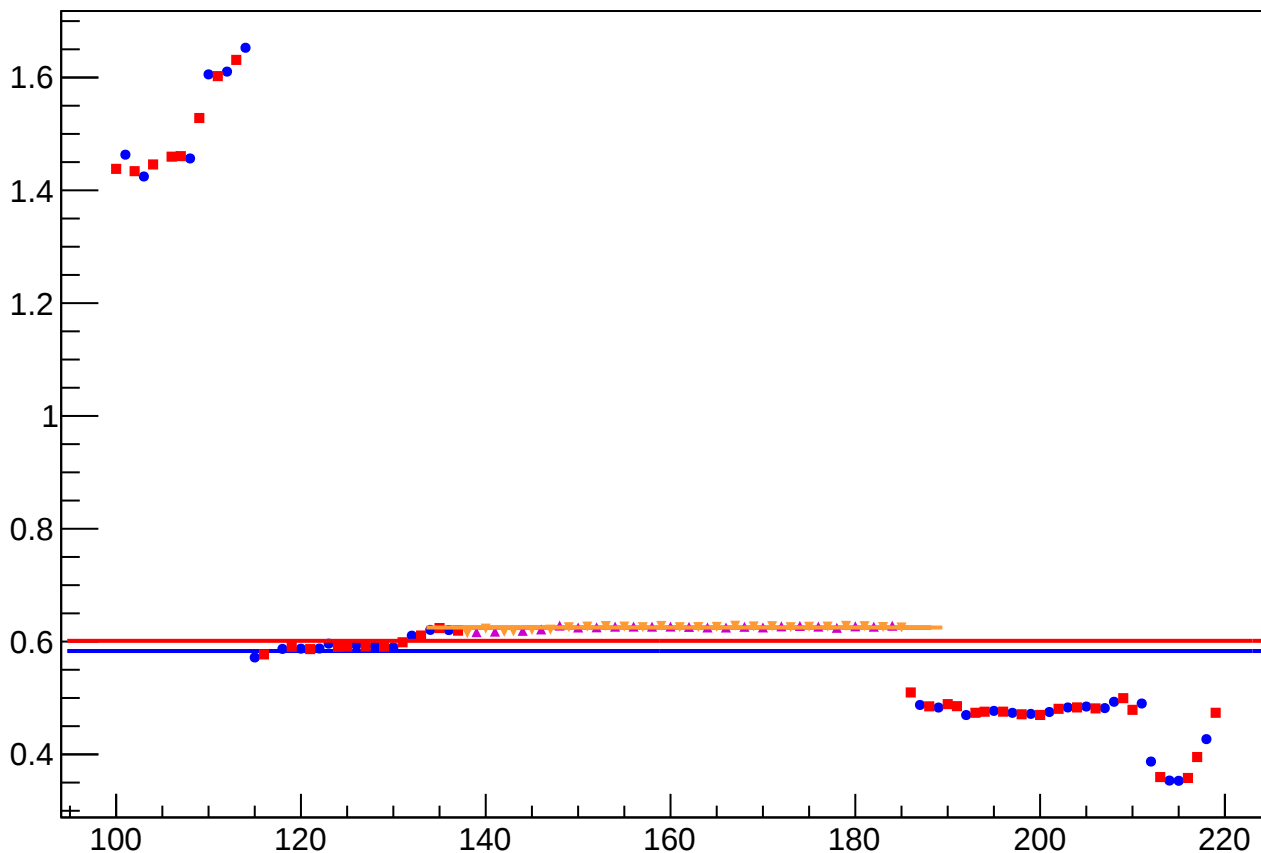
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.022+/-0.000 χ^2/NDF : 10889631.3/57

All: 0.022+/-0.000 χ^2/NDF : 22713362.9/117

- sign 0.023+/-0.000 χ^2/NDF : 11798623.7/59

yield_bpm4aY_mean vs Slug



Right In: 0.583 $\pm$ 0.000 χ^2 /NDF: 5587932763.3/32

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.601 $\pm$ 0.000 χ^2 /NDF: 6628936062.7/36

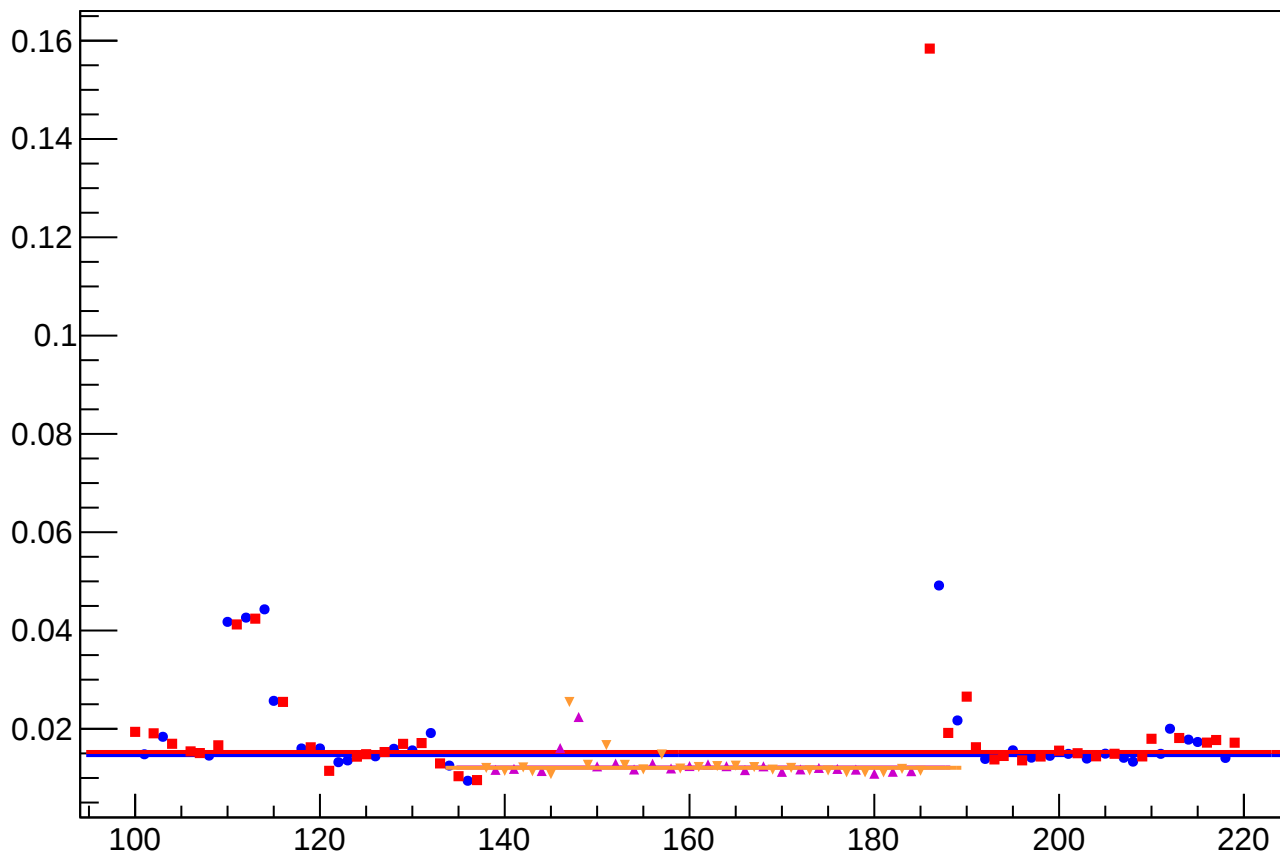
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.609 $\pm$ 0.000 χ^2 /NDF: 5670578965.0/57

All: 0.612 $\pm$ 0.000 χ^2 /NDF: 12329984060.5/119

- sign 0.616 $\pm$ 0.000 χ^2 /NDF: 6655080434.9/59

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1851566.3/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2228304.9/36

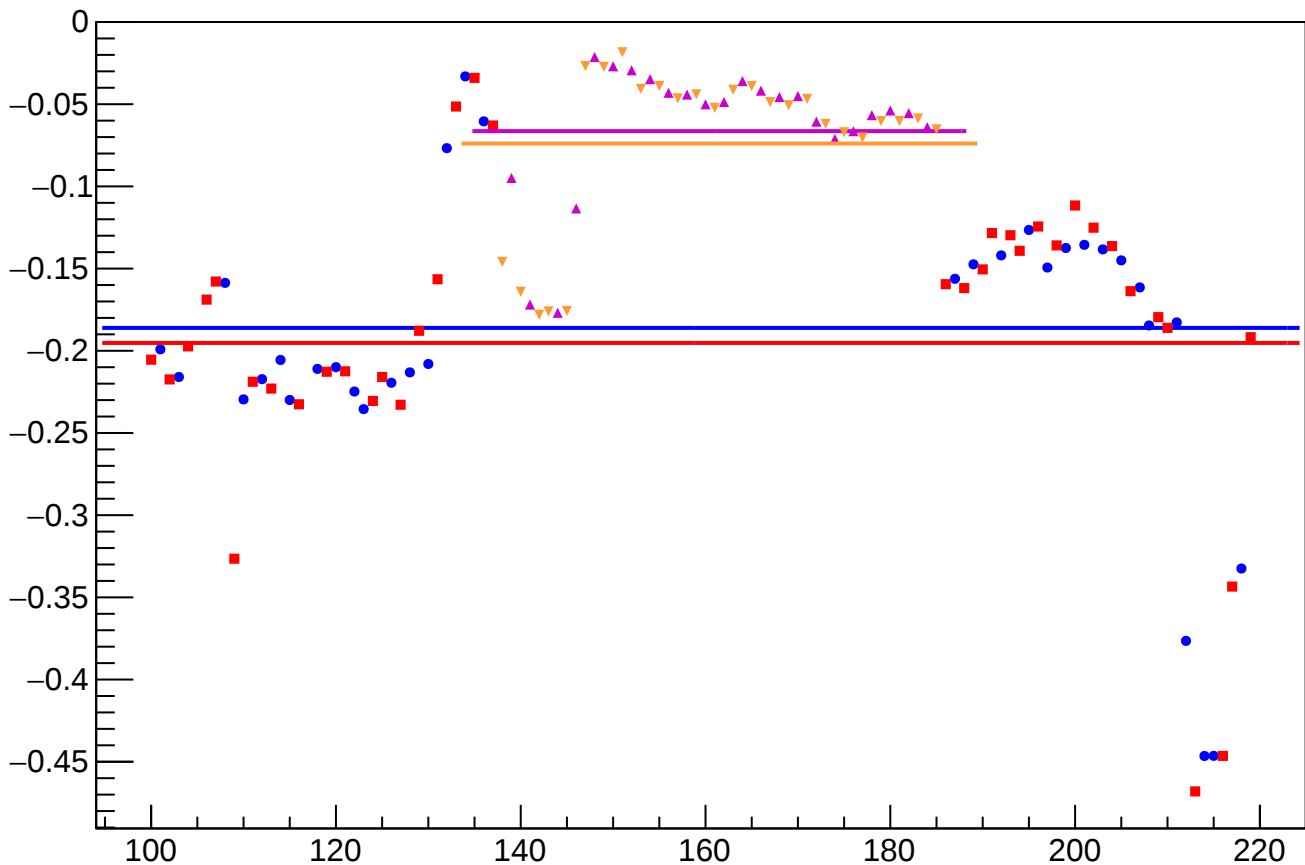
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3132561.3/57

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6767529.9/117

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3615815.3/59

yield_bpm4eX_mean vs Slug



Right In: -0.186 ± 0.000 $\chi^2/\text{NDF}: 127789775.4/32$

Left Out: -0.074 ± 0.000 $\chi^2/\text{NDF}: 107858881.3/24$

Right Out: -0.195 ± 0.000 $\chi^2/\text{NDF}: 134106557.2/36$

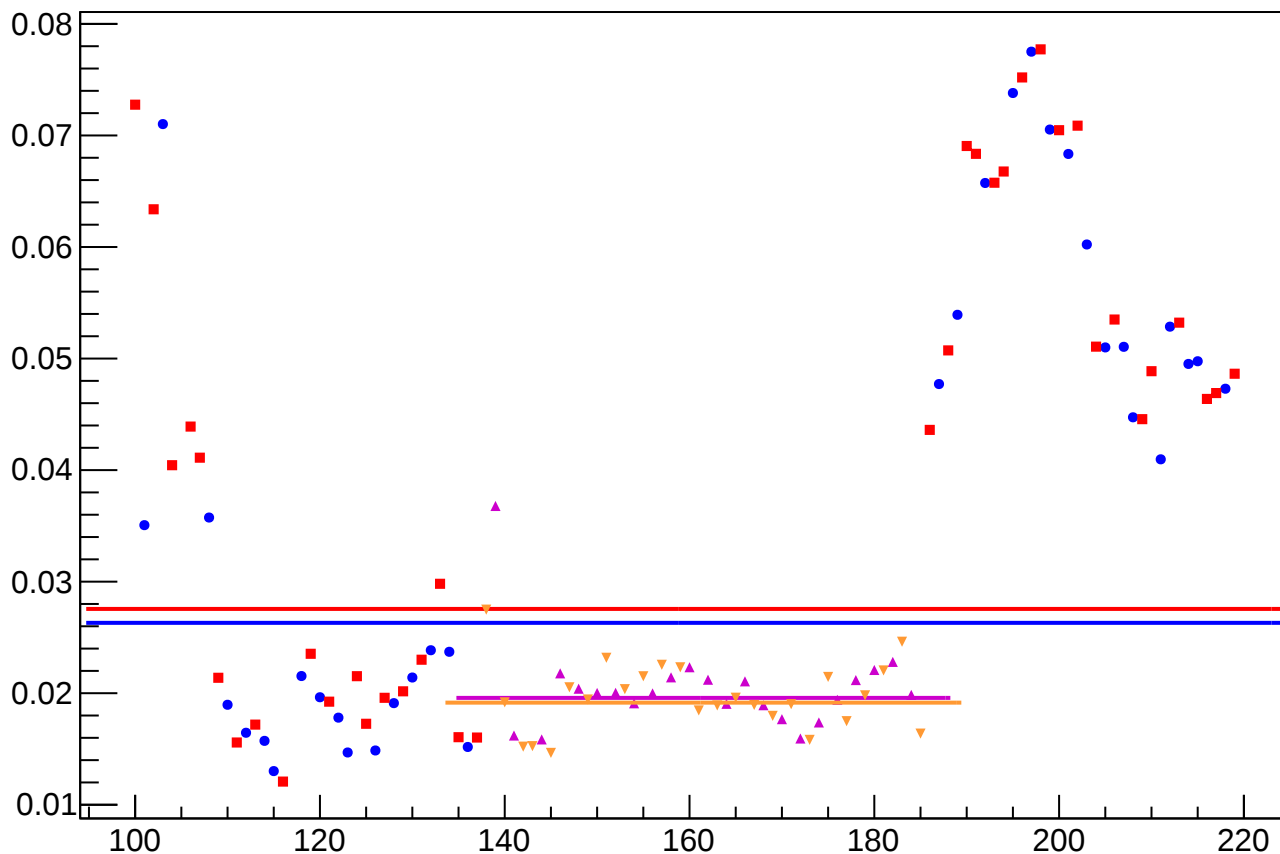
Left In: -0.066 ± 0.000 $\chi^2/\text{NDF}: 76283954.4/22$

+ sign -0.107 ± 0.000 $\chi^2/\text{NDF}: 390639820.0/57$

All: -0.107 ± 0.000 $\chi^2/\text{NDF}: 798044917.2/11$

- sign -0.107 ± 0.000 $\chi^2/\text{NDF}: 407403132.8/59$

yield_bpm4eX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 9116692.9/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641027.3/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9593347.2/36

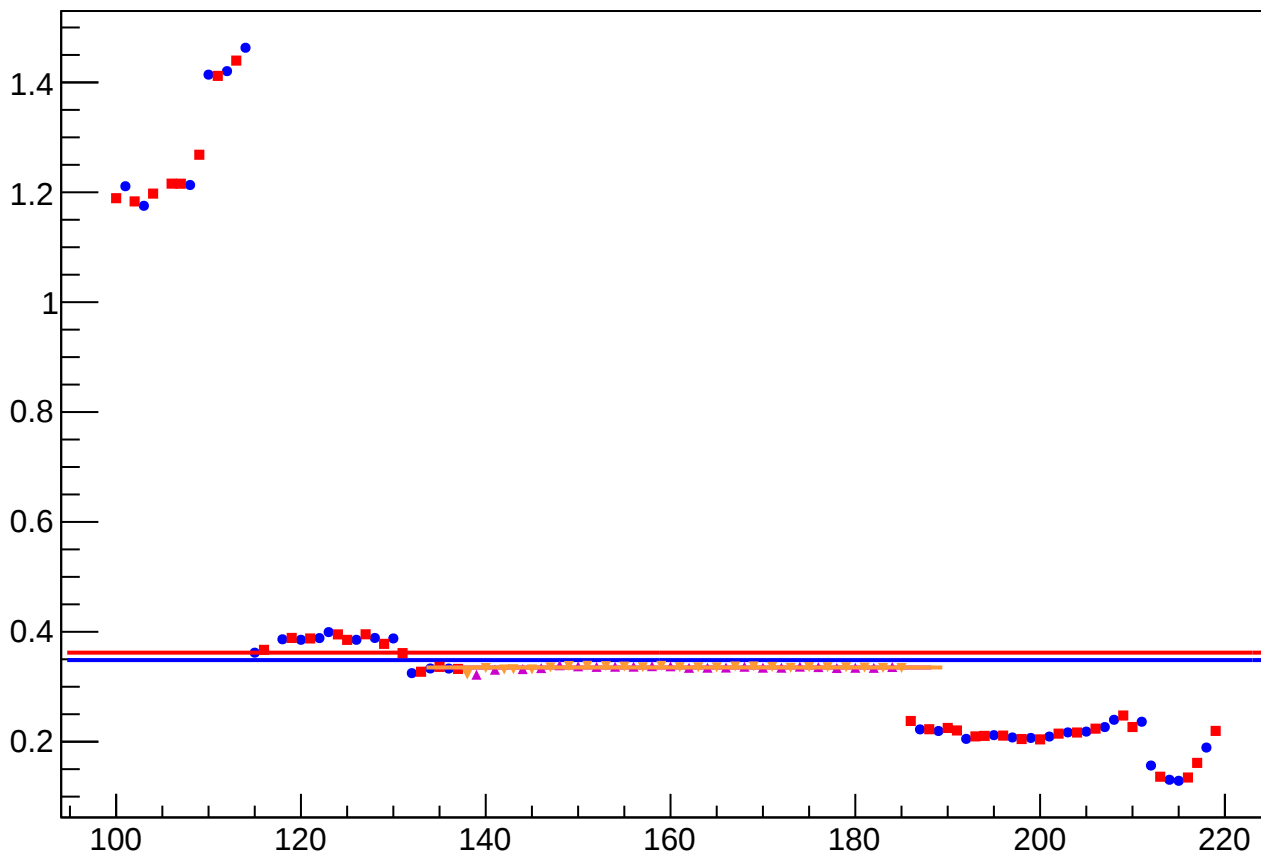
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11018400.0/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22809955.4/117

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11754011.3/59

yield_bpm4eY_mean vs Slug



Right In: 0.349 $\pm$ 0.000 χ^2 /NDF: 8047252603.5/32

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1153956.7/24

Right Out: 0.362 $\pm$ 0.000 χ^2 /NDF: 9136216152.3/36

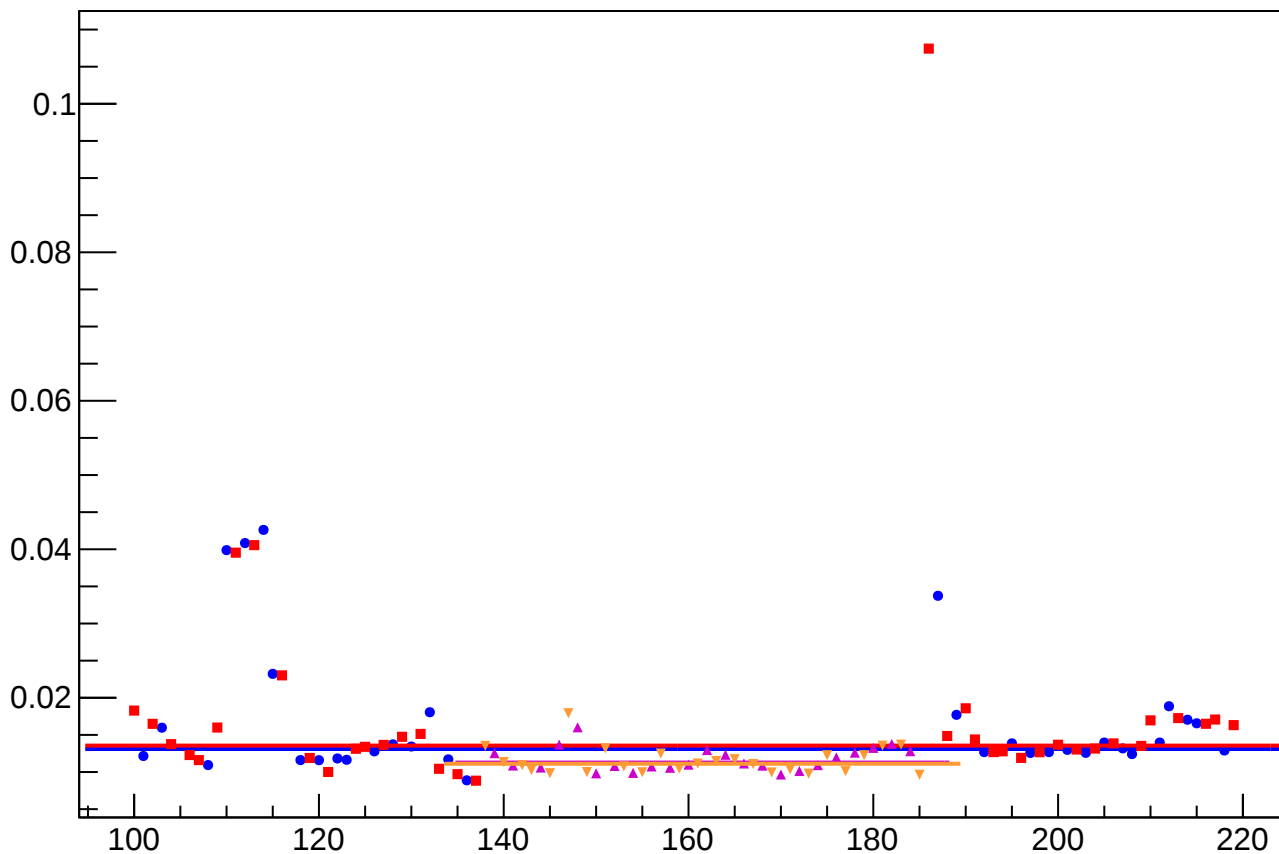
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198302.8/22

+ sign 0.340 $\pm$ 0.000 χ^2 /NDF: 8058669769.9/57

All: 0.343 $\pm$ 0.000 χ^2 /NDF: 17240317394.6/100

- sign 0.346 $\pm$ 0.000 χ^2 /NDF: 9177659495.0/59

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1829523.8/32

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 608235.7/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2255800.8/36

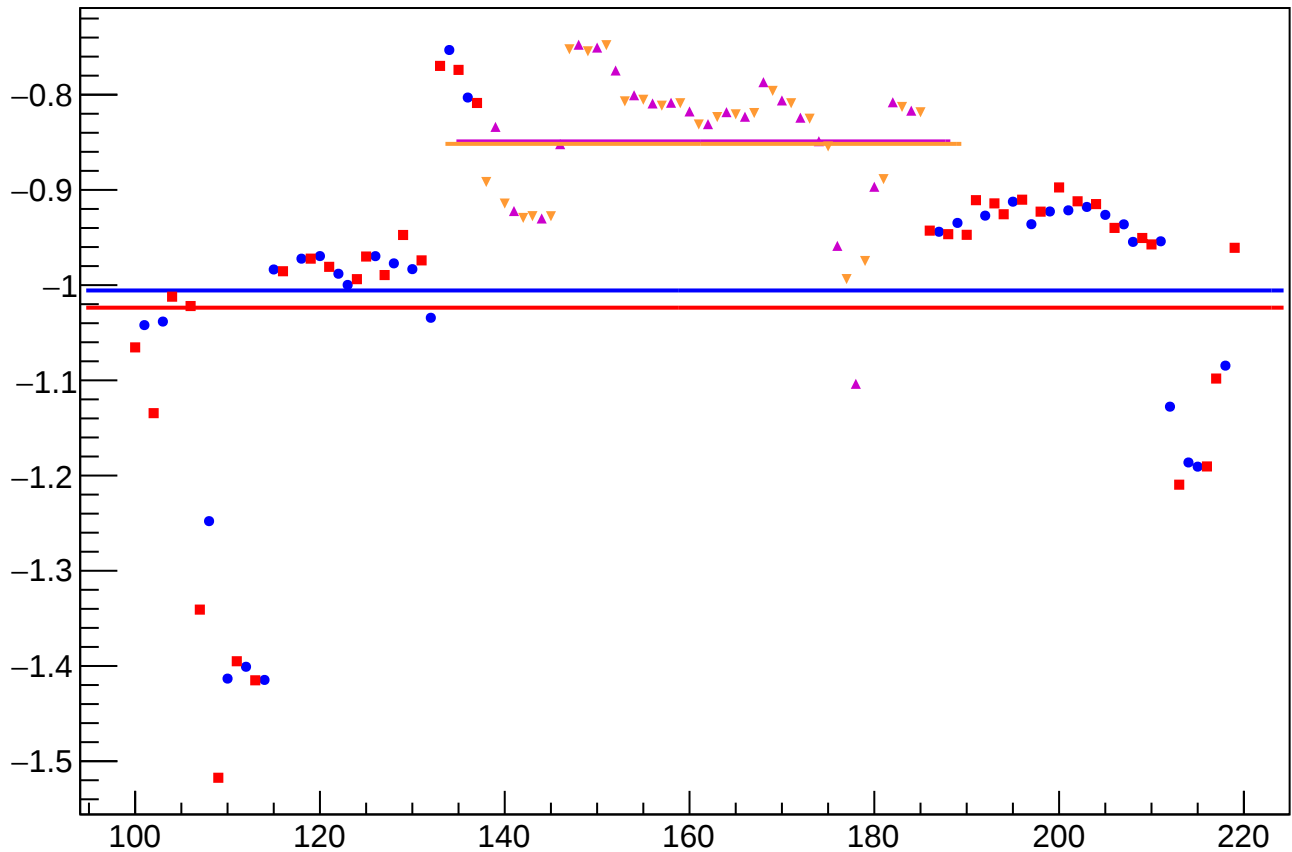
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2886529.8/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 6240758.8/117

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3330754.7/59

yield_bpm4acX_mean vs Slug



Right In: -1.006 ± 0.000 $\chi^2/\text{NDF}: 428732541.1/32$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189276591.7/24$

Right Out: -1.024 ± 0.000 $\chi^2/\text{NDF}: 578381828.8/36$

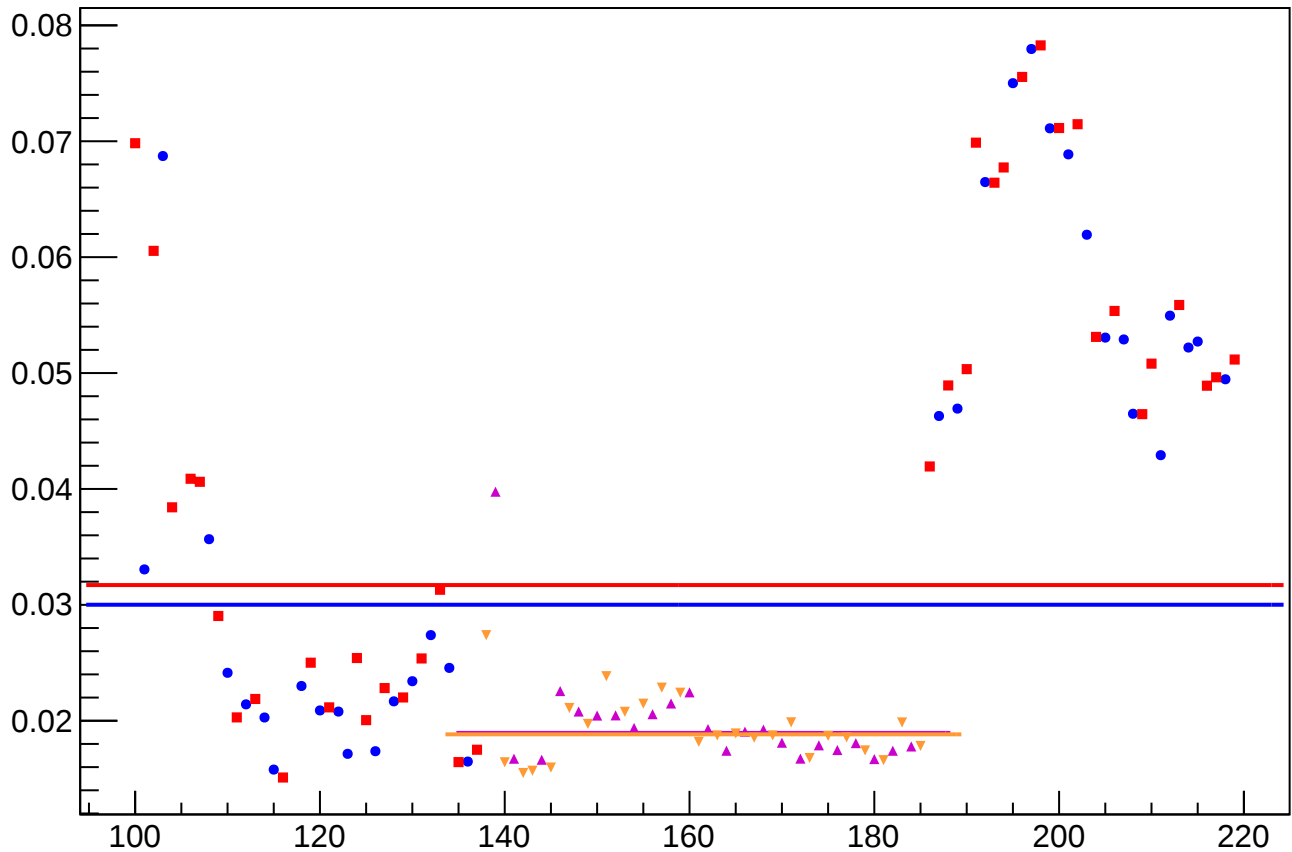
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256438306.8/22$

+ sign -0.891 ± 0.000 $\chi^2/\text{NDF}: 870566246.3/57$

All: -0.893 ± 0.000 $\chi^2/\text{NDF}: 2020517246.2/1$

- sign -0.895 ± 0.000 $\chi^2/\text{NDF}: 1149437197.4/59$

yield_bpm4acX_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 7697994.2/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490084.5/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 7743411.6/36

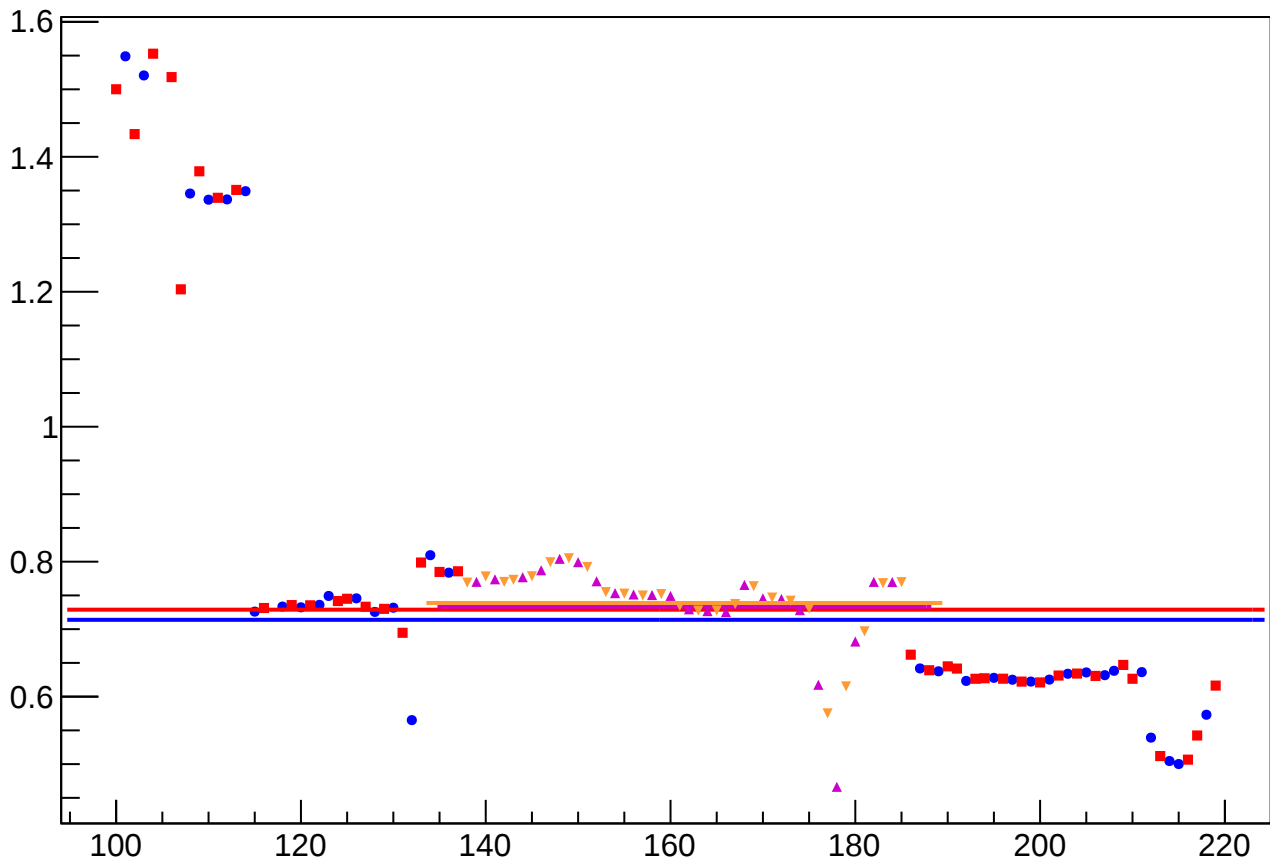
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10852014.4/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22621903.9/117

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11747187.2/59

yield_bpm4acY_mean vs Slug



Right In: 0.714 $\pm$ 0.000 χ^2 /NDF: 3902364899.9/32

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

Right Out: 0.729 $\pm$ 0.000 χ^2 /NDF: 4221995220.5/36

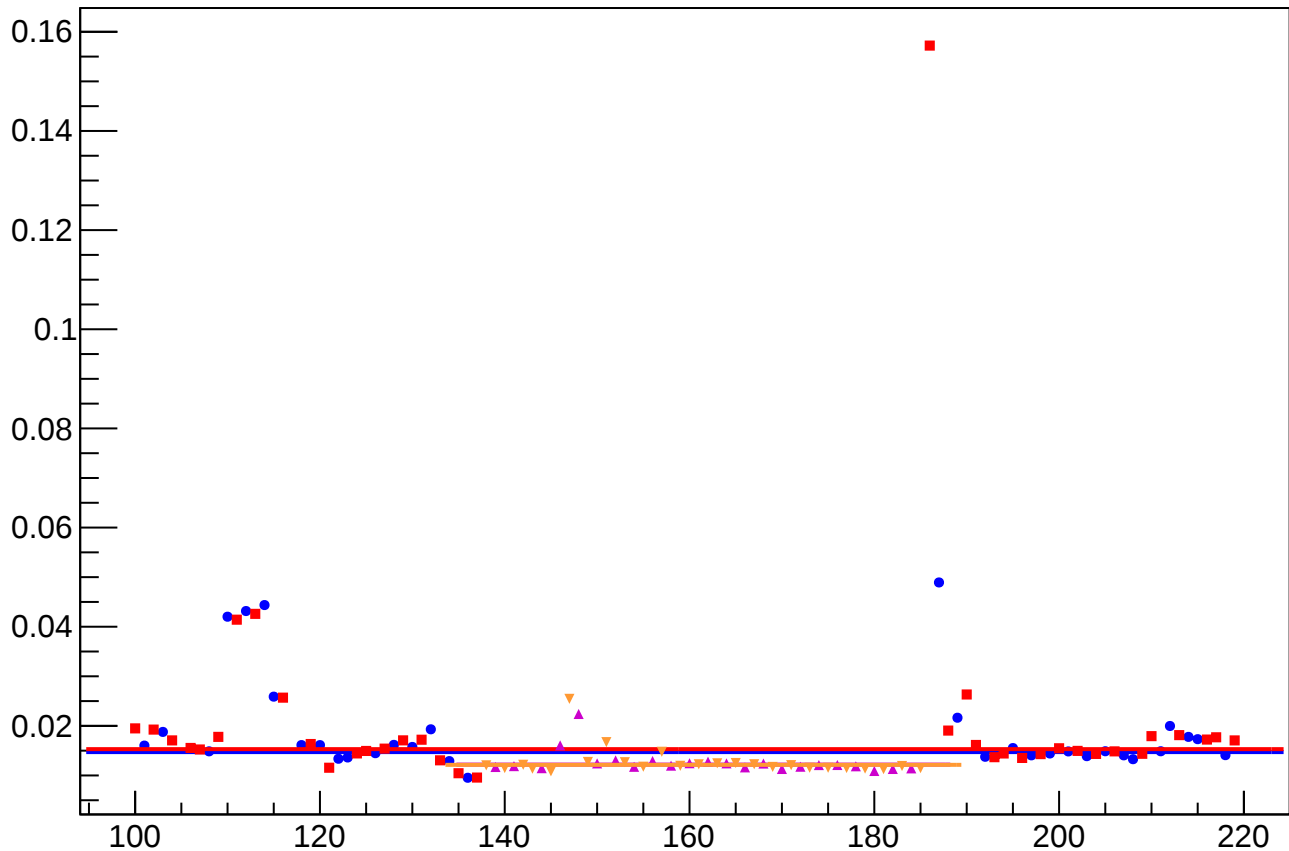
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

+ sign 0.729 $\pm$ 0.000 χ^2 /NDF: 4264295822.2/57

All: 0.730 $\pm$ 0.000 χ^2 /NDF: 9057999092.7/11

- sign 0.732 $\pm$ 0.000 χ^2 /NDF: 4793151149.2/59

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1846280.6/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2227729.0/36

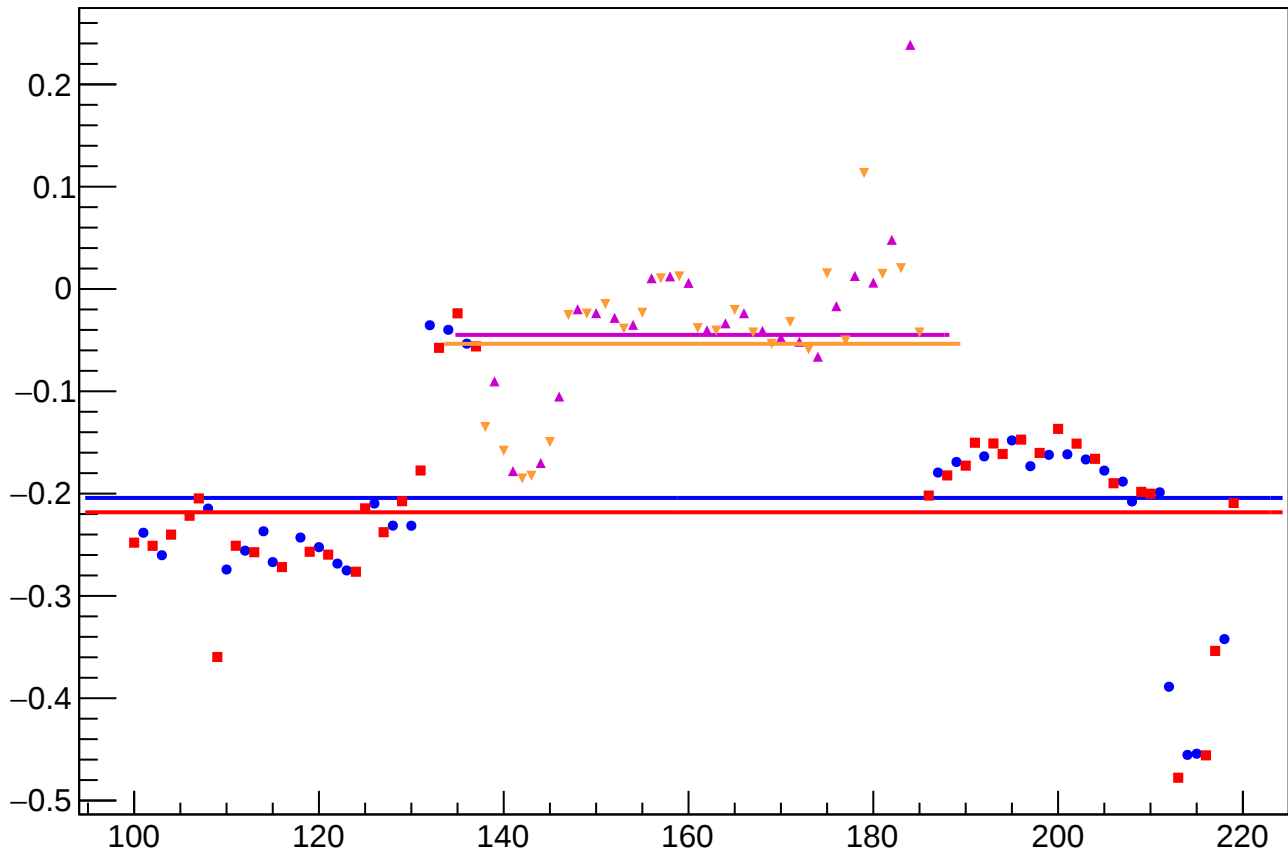
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3096610.0/57

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6696103.0/117

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3583045.7/59

yield_bpm4ecX_mean vs Slug



Right In: -0.204+/-0.000 χ^2/NDF : 160307674.3/32

Left Out: -0.054+/-0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.218+/-0.000 χ^2/NDF : 155523978.7/36

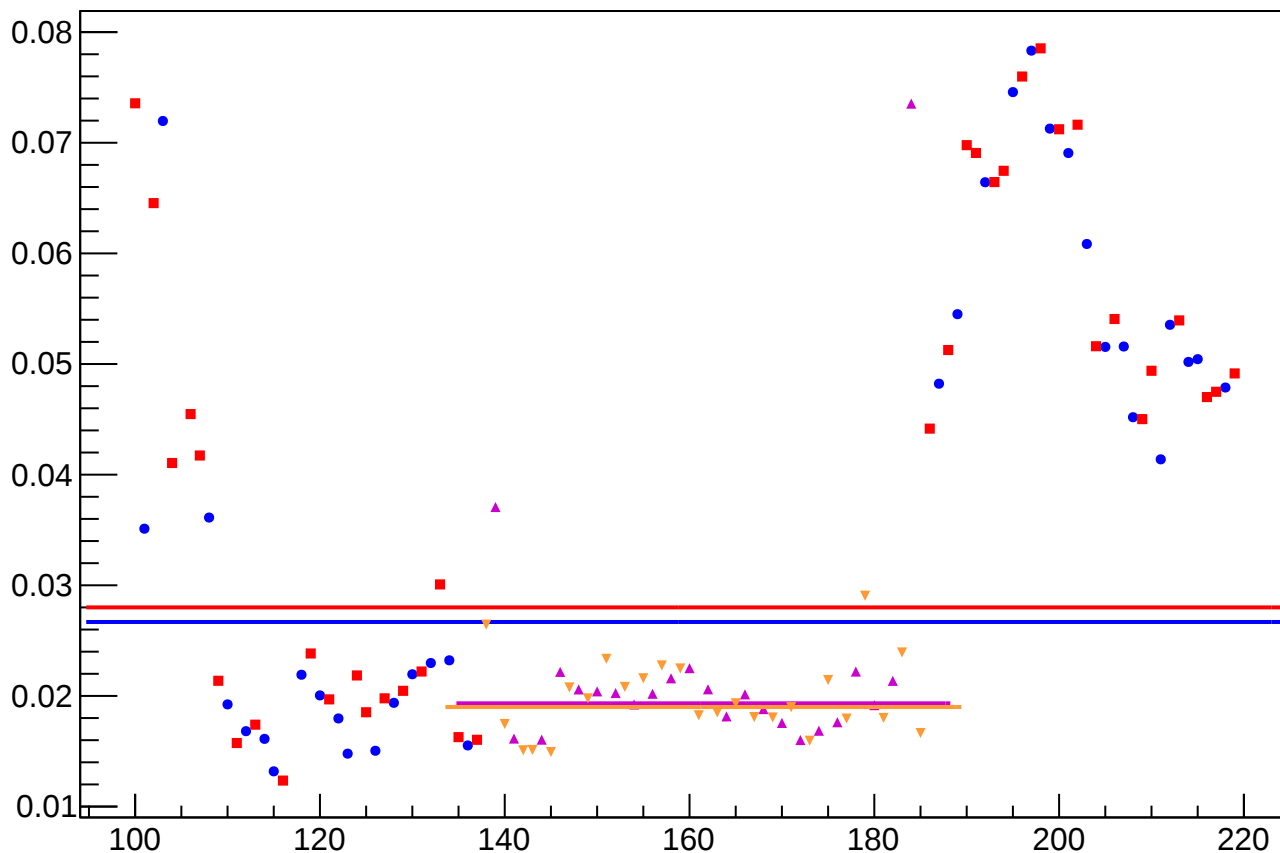
Left In: -0.045+/-0.000 χ^2/NDF : 127324000.1/22

+ sign -0.098+/-0.000 χ^2/NDF : 601329762.4/57

All: -0.099+/-0.000 χ^2/NDF : 1232993505.3/1

- sign -0.099+/-0.000 χ^2/NDF : 631656150.0/59

yield_bpm4ecX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9054001.4/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 699267.5/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9526207.5/36

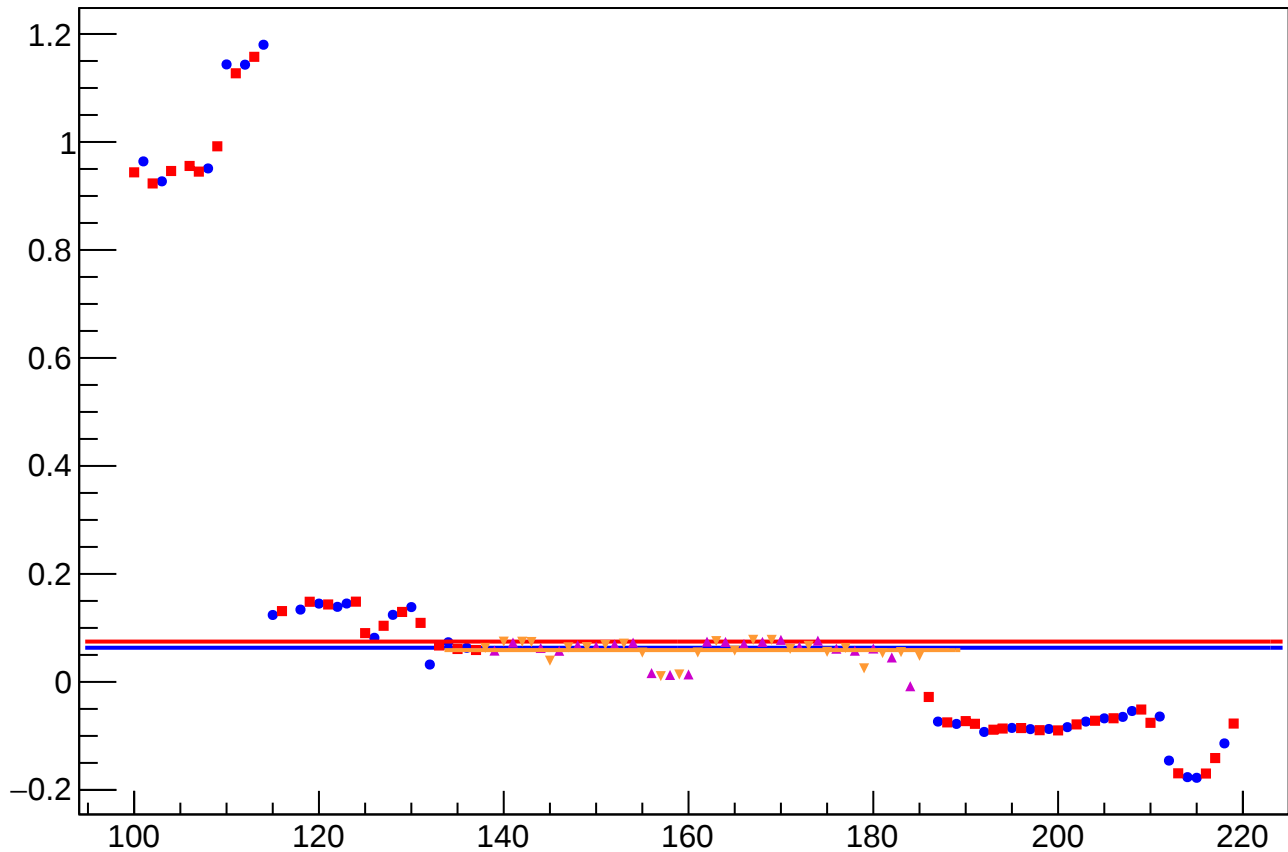
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11176120.2/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 23372251.7/117

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12164702.7/59

yield_bpm4ecY_mean vs Slug



Right In: 0.063 $\pm$ 0.000 χ^2 /NDF: 8791806070.3/32

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

+ sign 0.061 $\pm$ 0.000 χ^2 /NDF: 8839840514.2/57

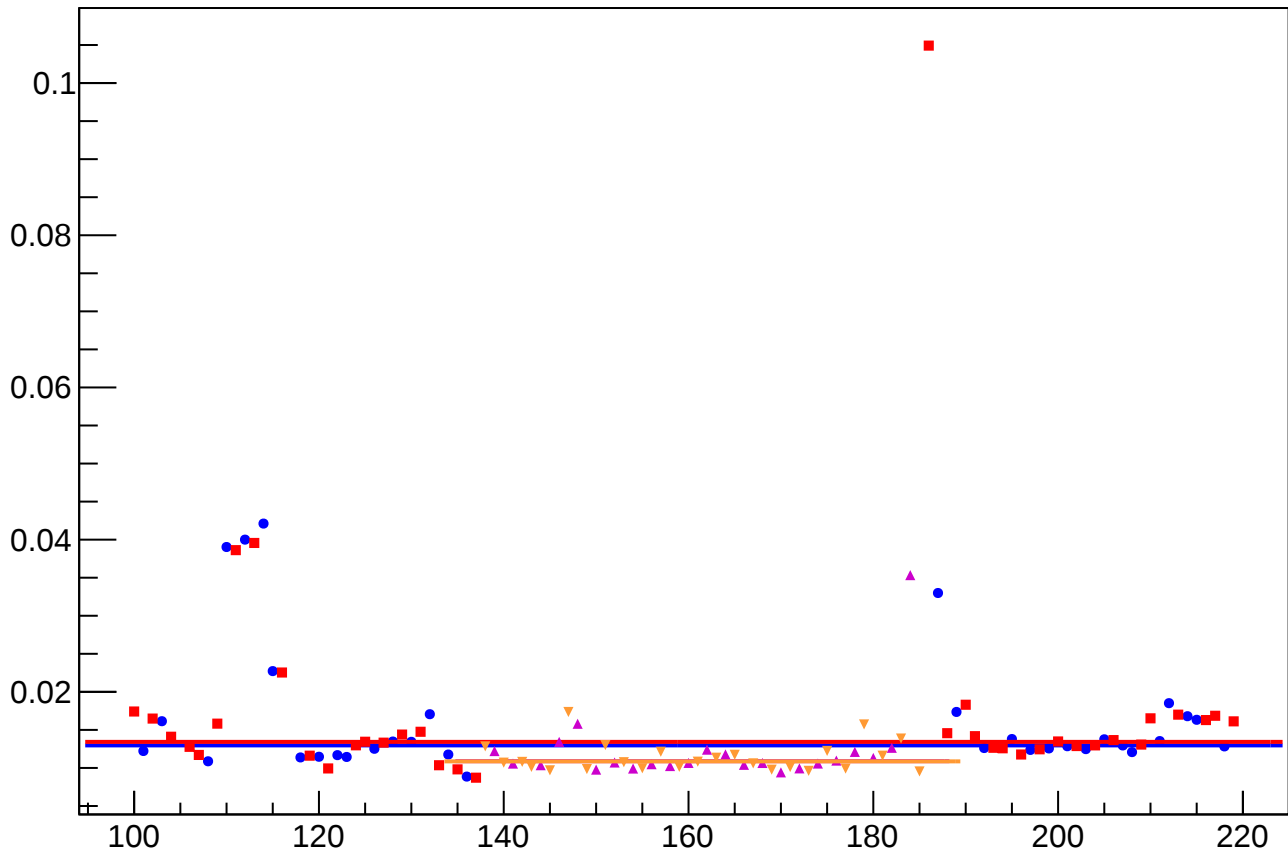
Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 9721322184.9/36

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 18636383036.5/1

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

- sign 0.066 $\pm$ 0.000 χ^2 /NDF: 9793644006.0/59

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1782098.6/32

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2196452.6/36

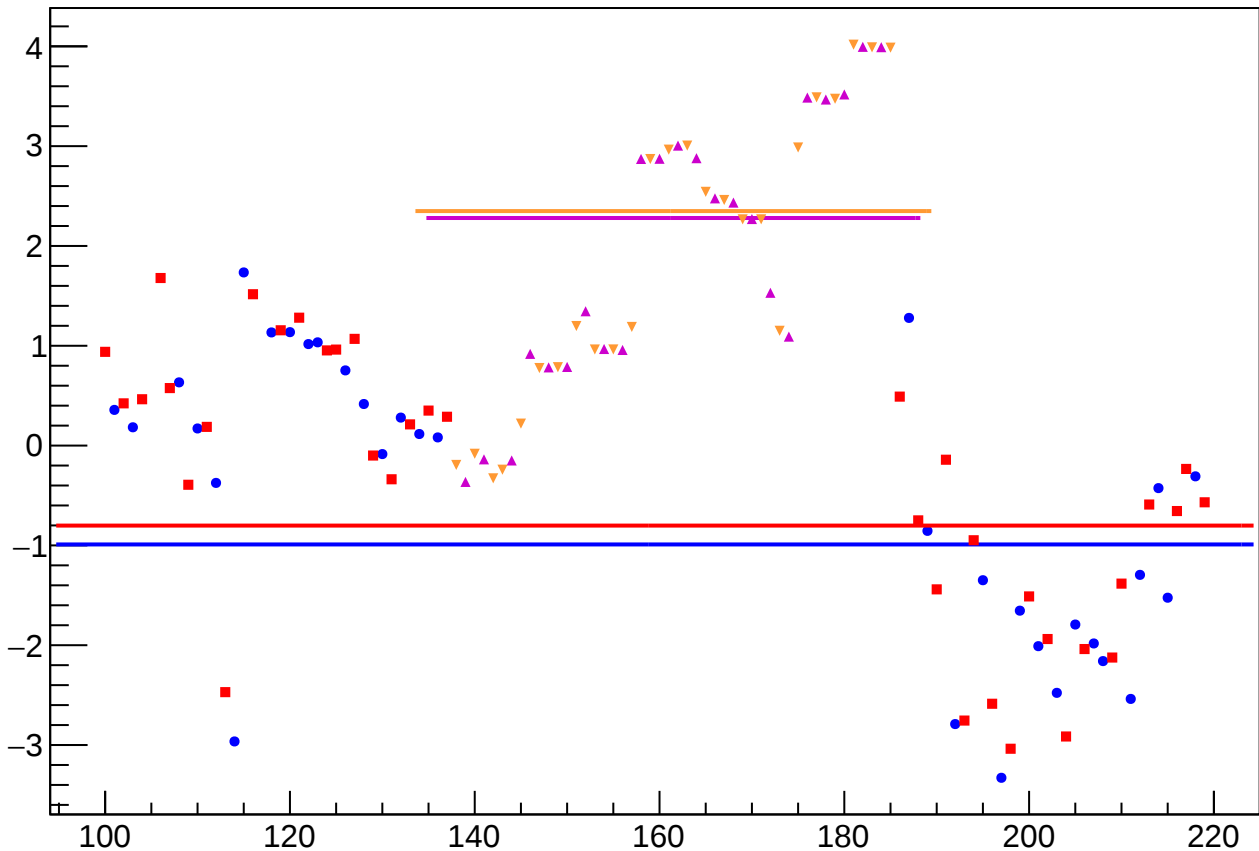
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 529867.3/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 2899608.4/57

All: 0.012 $\pm$ 0.000 χ^2/NDF : 6365398.4/117

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 3453317.0/59

yield_bpm1X_mean vs Slug



Right In: -0.991 ± 0.000 $\chi^2/\text{NDF}: 8003890444.2/32$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.802 ± 0.000 $\chi^2/\text{NDF}: 8301494693.5/36$

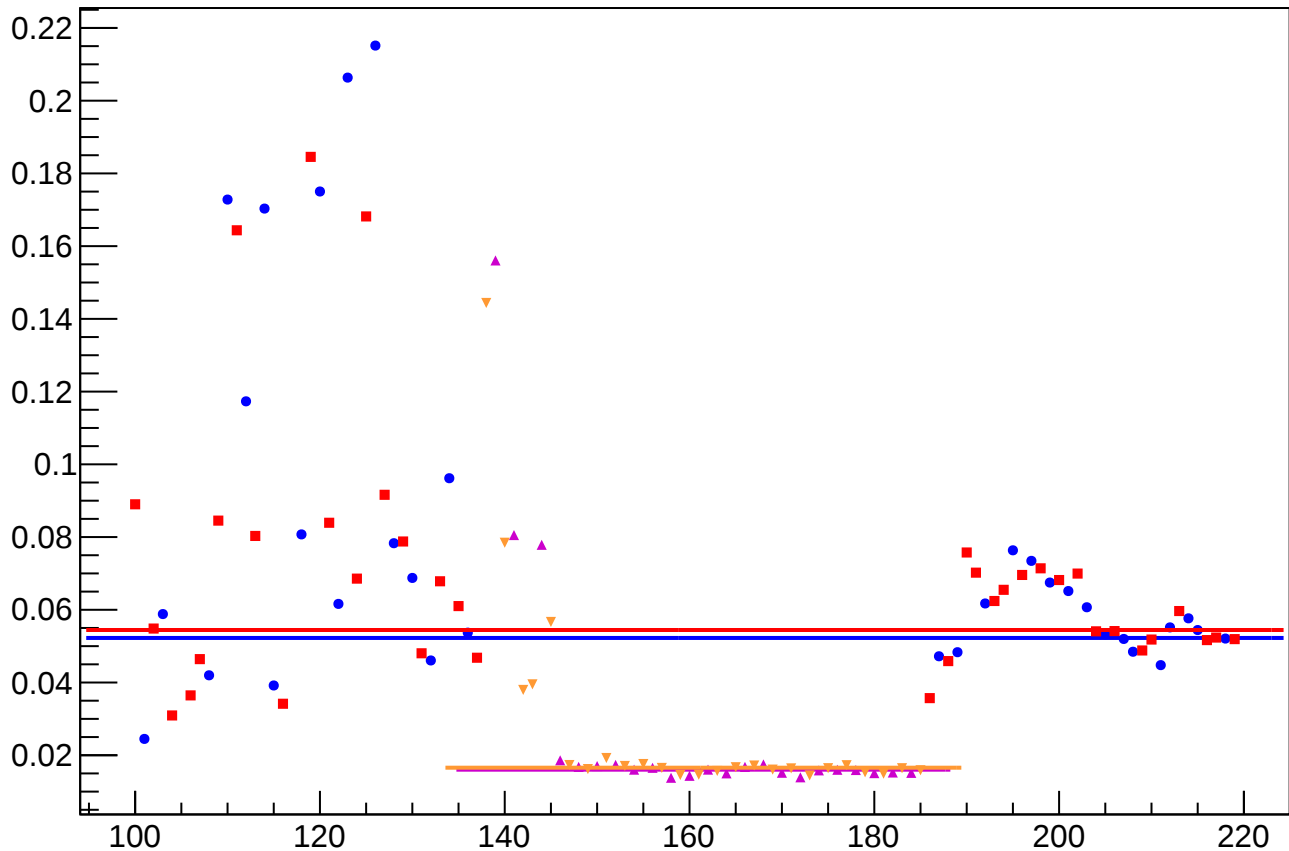
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.044 ± 0.000 $\chi^2/\text{NDF}: 123801920842.9/57$

All: 2.021 ± 0.000 $\chi^2/\text{NDF}: 238903313072.8$

- sign 1.999 ± 0.000 $\chi^2/\text{NDF}: 115043299866.9/59$

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3525717.4/32

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 2885644.2/36

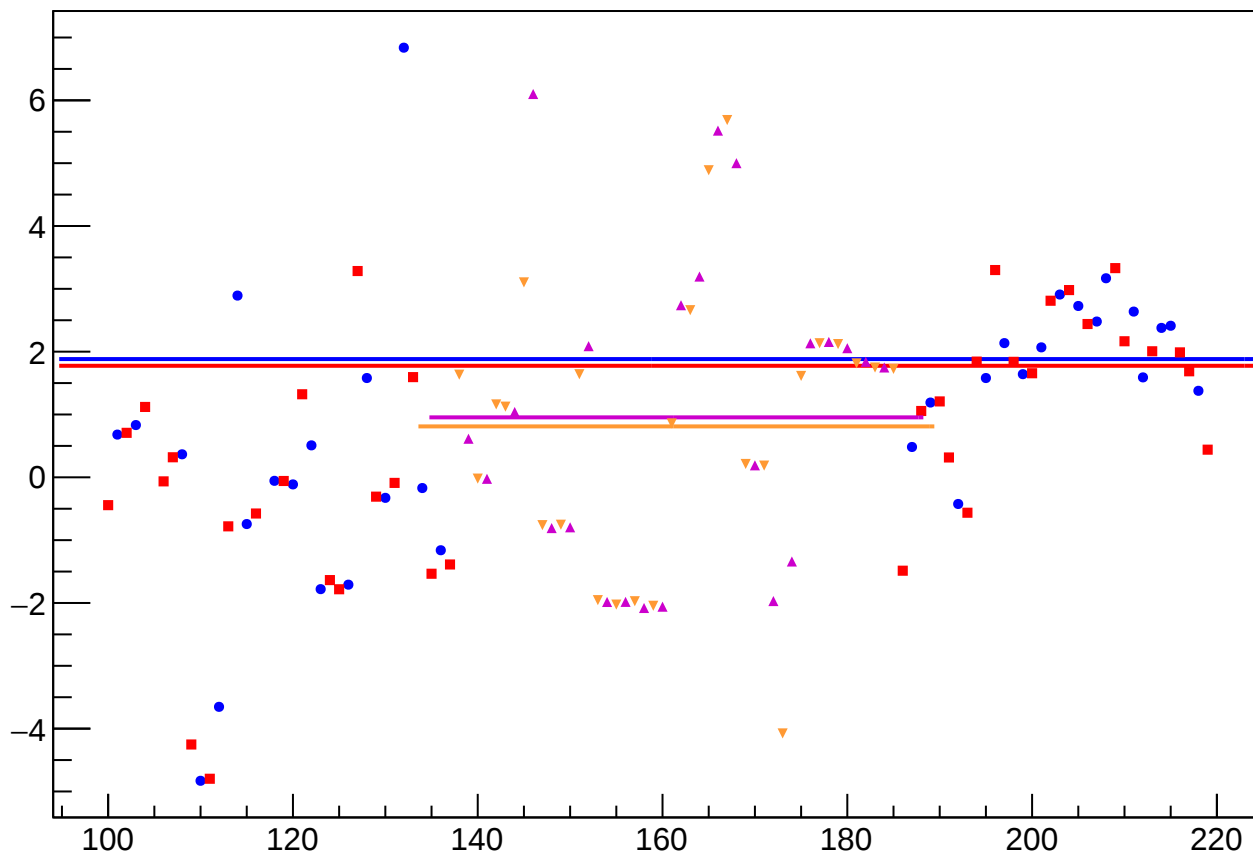
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 18062964.6/57

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 37494129.7/117

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19425981.1/59

yield_bpm1Y_mean vs Slug



Right In: 1.882+/-0.000 χ^2/NDF : 40044475555.7/32

Left Out: 0.810+/-0.000 χ^2/NDF : 507583198570.2/24

Right Out: 1.775+/-0.000 χ^2/NDF : 43877243693.8/36

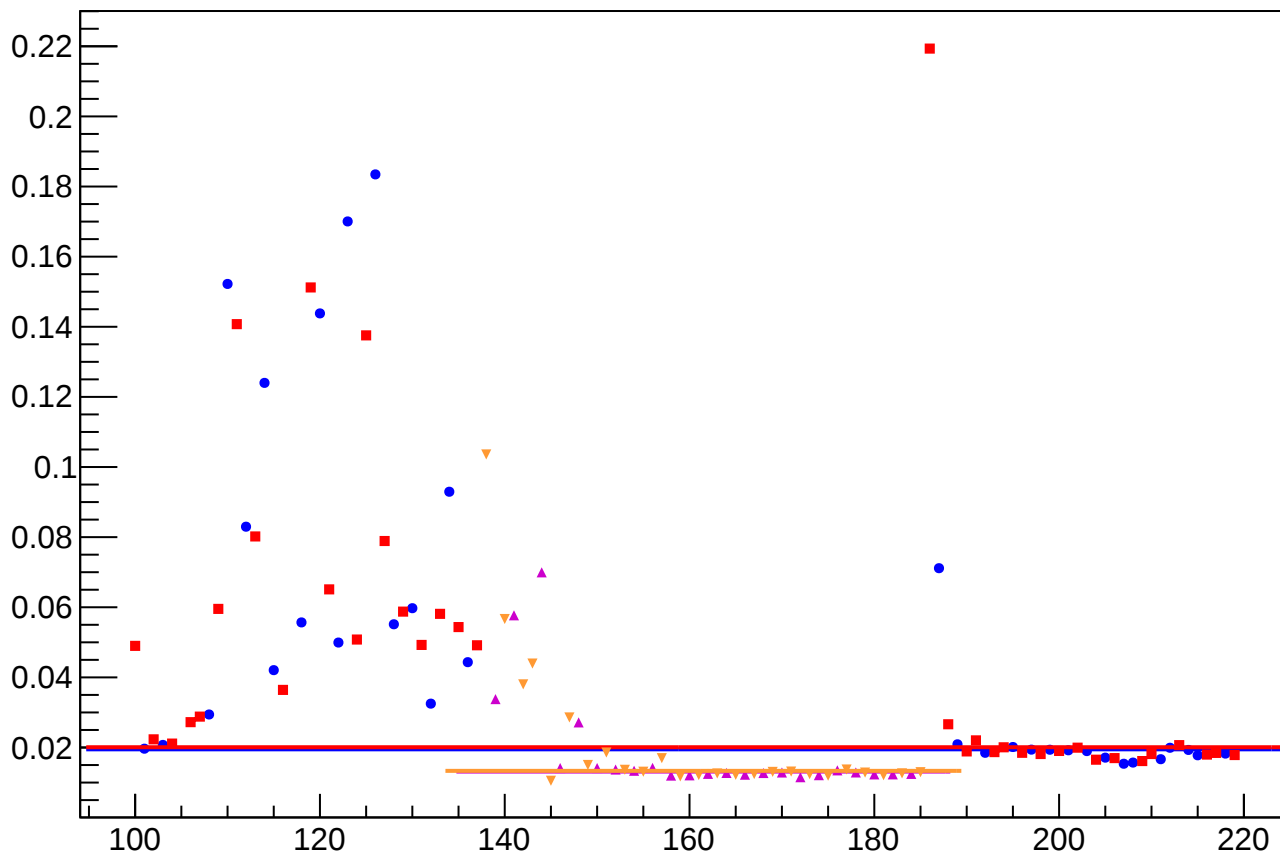
Left In: 0.954+/-0.000 χ^2/NDF : 574792794608.3/22

+ sign 1.114+/-0.000 χ^2/NDF : 575305685020.7/57

All: 1.150+/-0.000 χ^2/NDF : 1210656899807.

- sign 1.187+/-0.000 χ^2/NDF : 635032372475.0/59

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 4132977.0/32

Left Out: 0.013+/-0.000 χ^2/NDF :2829070.5/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5227376.3/36

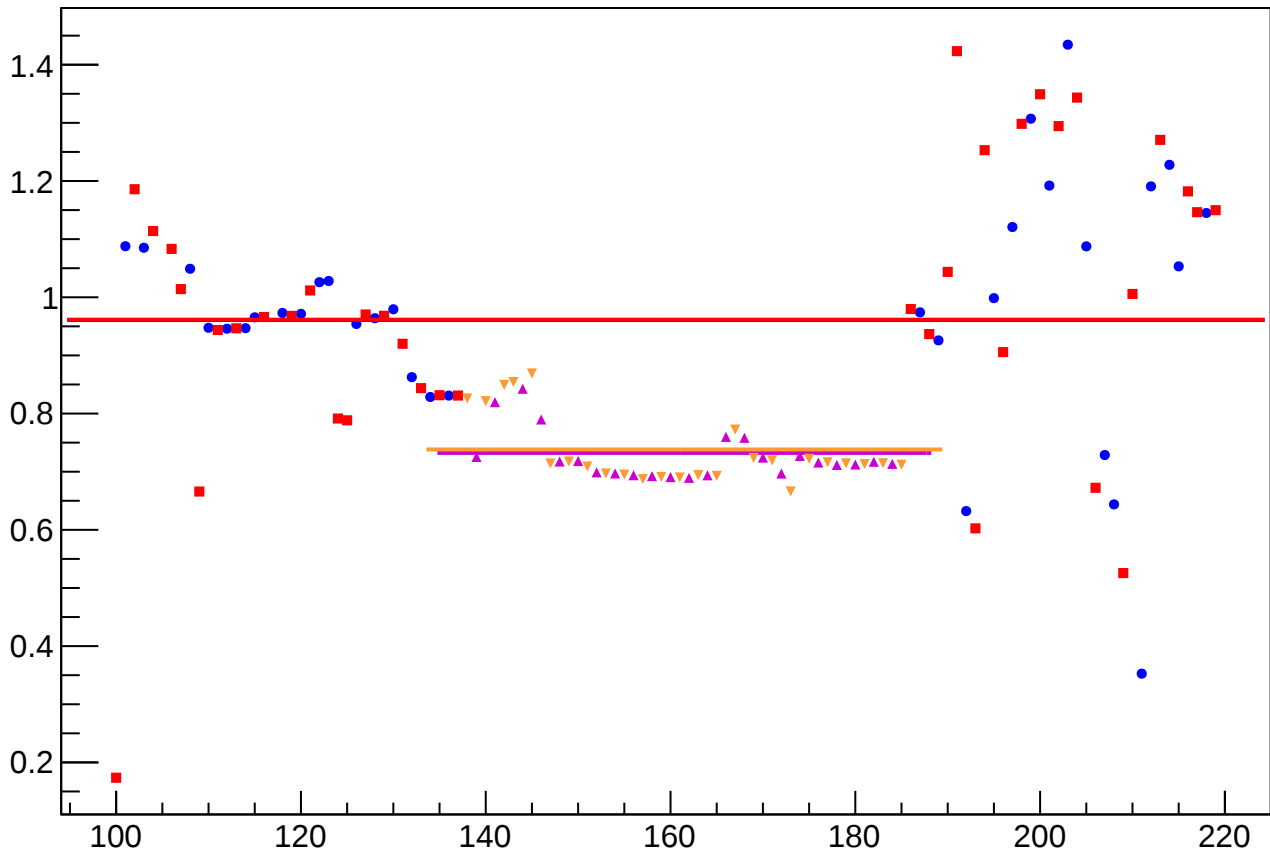
Left In: 0.013+/-0.000 χ^2/NDF :1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8779293.3/57

All: 0.015+/-0.000 χ^2/NDF : 18314625.1/117

- sign 0.015+/-0.000 χ^2/NDF : 9535267.9/59

yield_bpm11X_mean vs Slug



Right In: 0.961+/-0.000 χ^2/NDF : 1014888403.7/32

Left Out: 0.738+/-0.000 χ^2/NDF : 310610047.7/24

Right Out: 0.961+/-0.000 χ^2/NDF : 1319906774.3/36

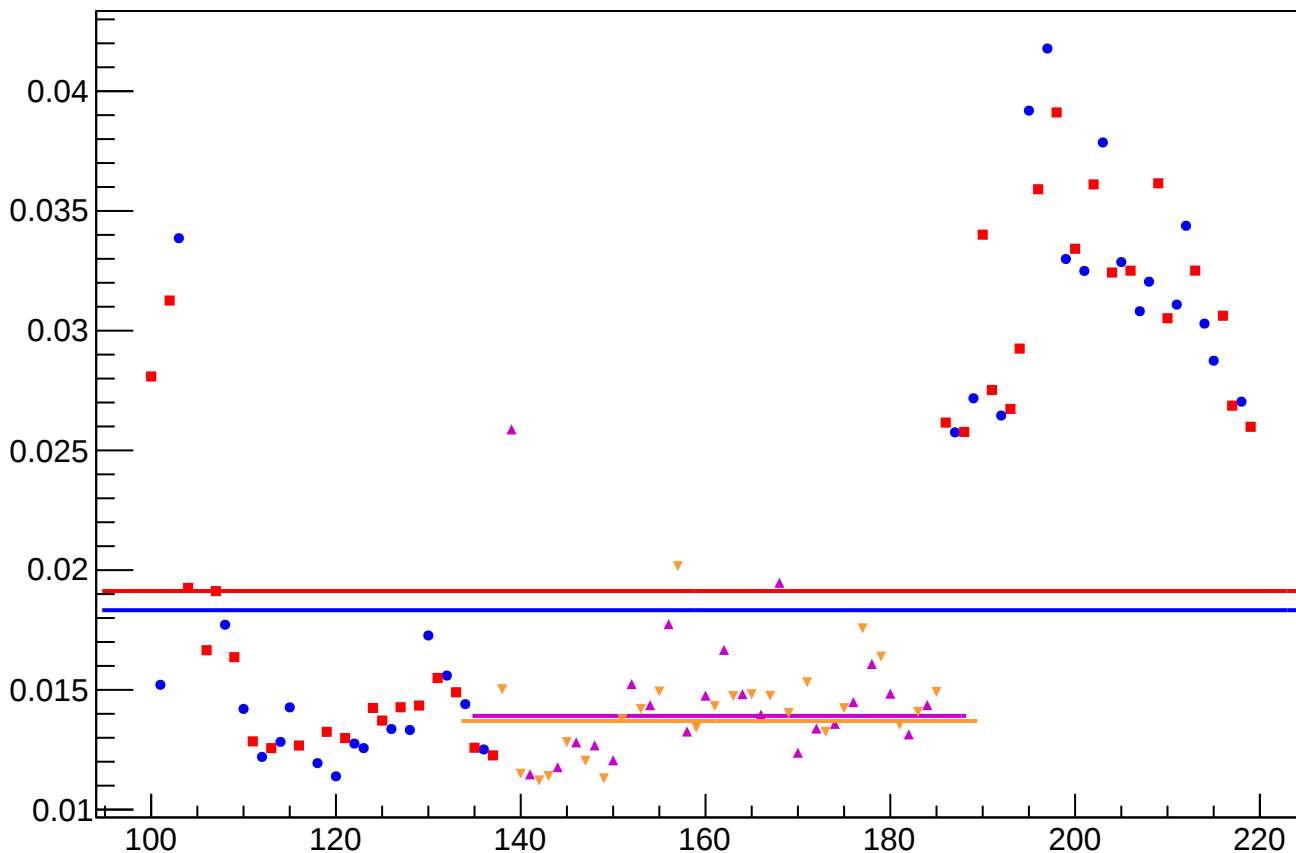
Left In: 0.732+/-0.000 χ^2/NDF : 170806298.1/22

+ sign 0.810+/-0.000 χ^2/NDF : 2704648547.1/57

All: 0.810+/-0.000 χ^2/NDF : 5638253486.5/11

- sign 0.811+/-0.000 χ^2/NDF : 2933562503.1/59

yield_bpm11X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 5723174.1/32

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 5243127.1/36

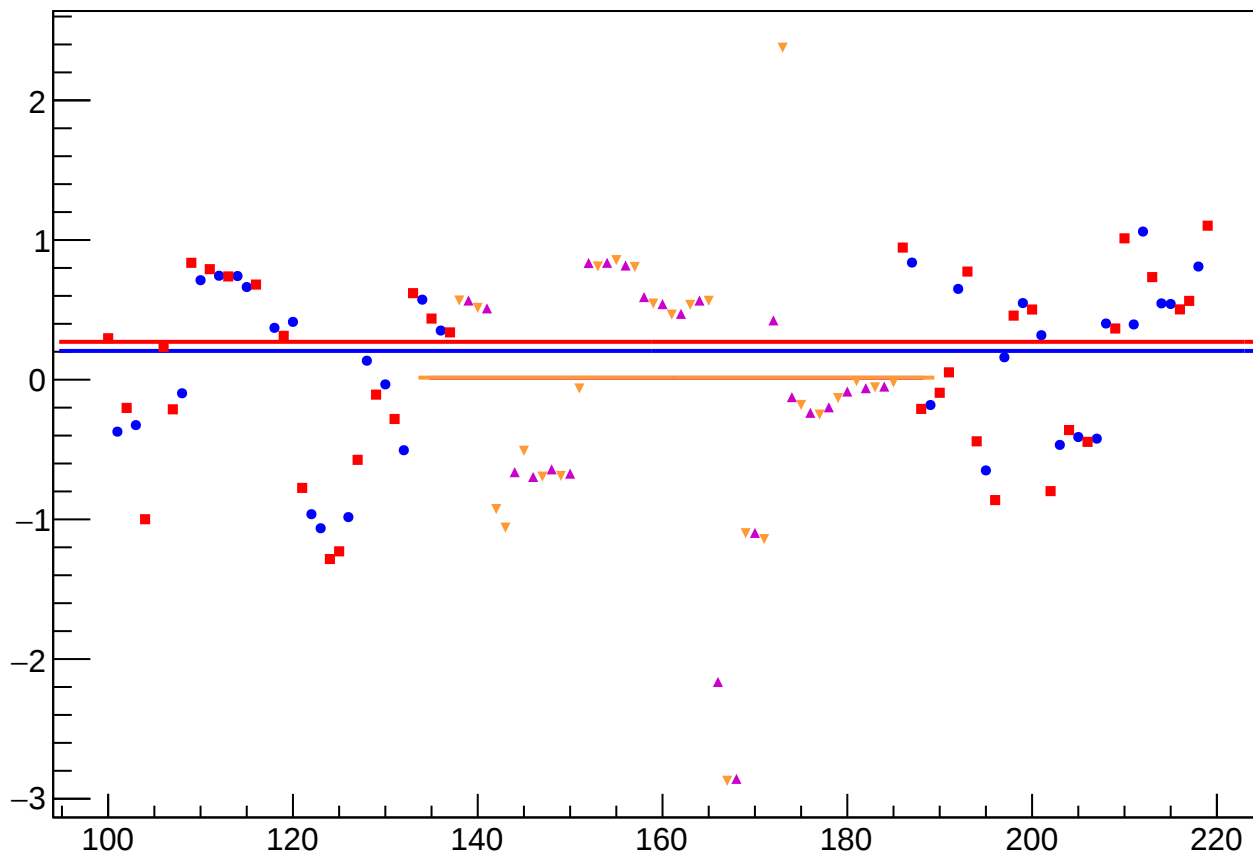
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7446205.3/57

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 15011281.7/117

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 7532741.0/59

yield_bpm11Y_mean vs Slug



Right In: 0.206 $\pm$ 0.000 χ^2 /NDF: 33924858899.8/32

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.271 $\pm$ 0.000 χ^2 /NDF: 50298648609.4/36

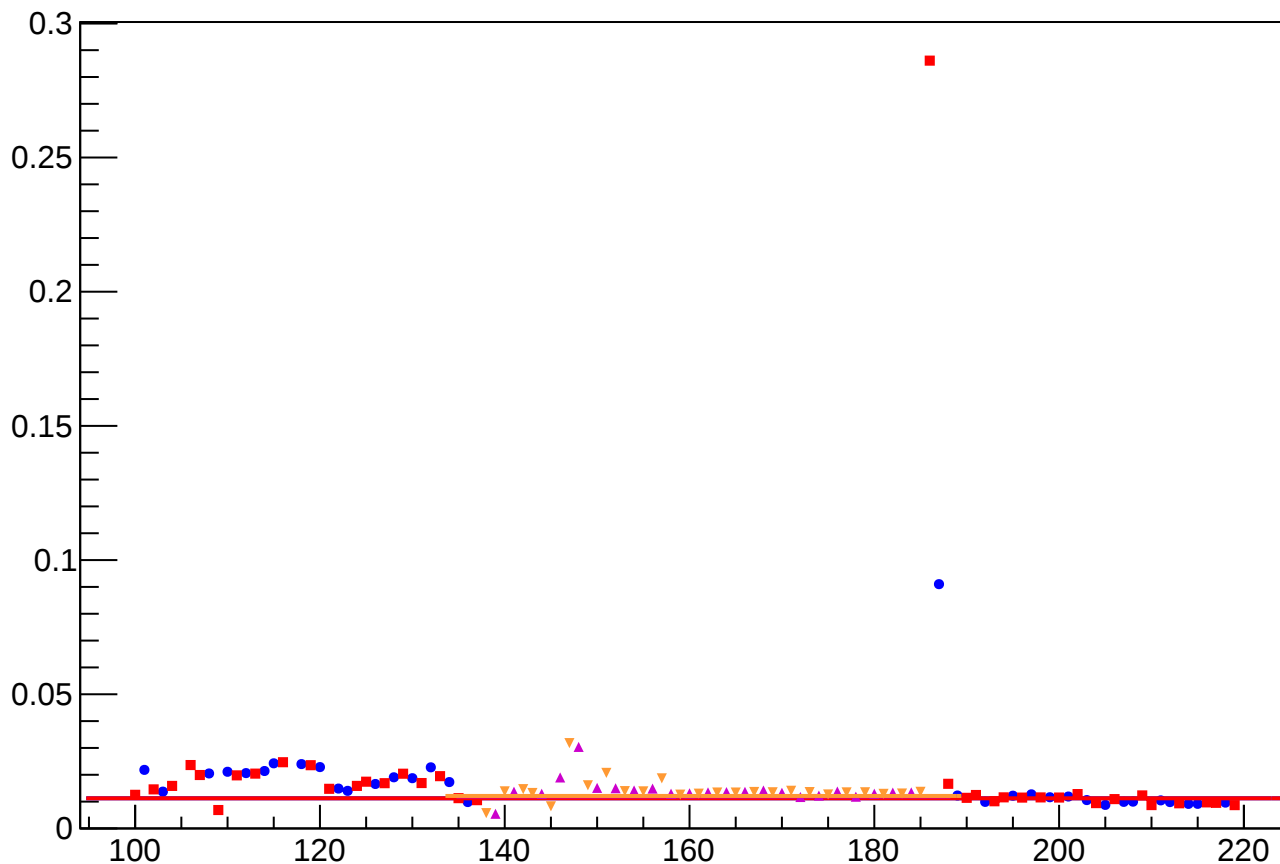
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.115 $\pm$ 0.000 χ^2 /NDF: 132105110178.1/57

All: 0.134 $\pm$ 0.000 χ^2 /NDF: 265875089514.9

- sign 0.153 $\pm$ 0.000 χ^2 /NDF: 133597692517.7/59

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2621508.8/32

Left Out: 0.012+/-0.000 χ^2/NDF :3107648.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 3227827.5/36

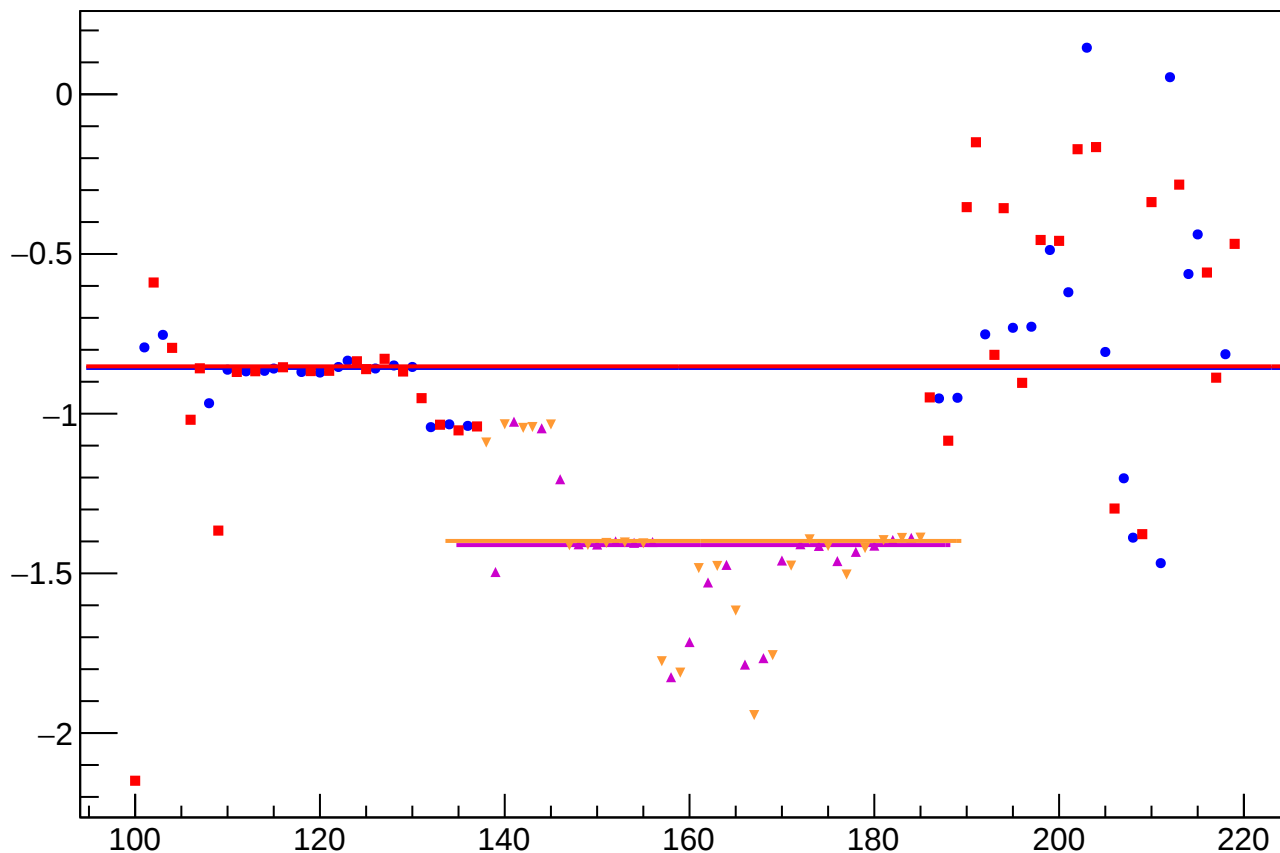
Left In: 0.012+/-0.000 χ^2/NDF :3105948.8/22

+ sign 0.012+/-0.000 χ^2/NDF : 5816755.1/57

All: 0.012+/-0.000 χ^2/NDF : 12208167.6/117

- sign 0.012+/-0.000 χ^2/NDF : 6388835.4/59

yield_bpm12X_mean vs Slug



Right In: -0.857 ± 0.000 χ^2/NDF : 371551183.8/32

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.852 ± 0.000 χ^2/NDF : 517950056.4/36

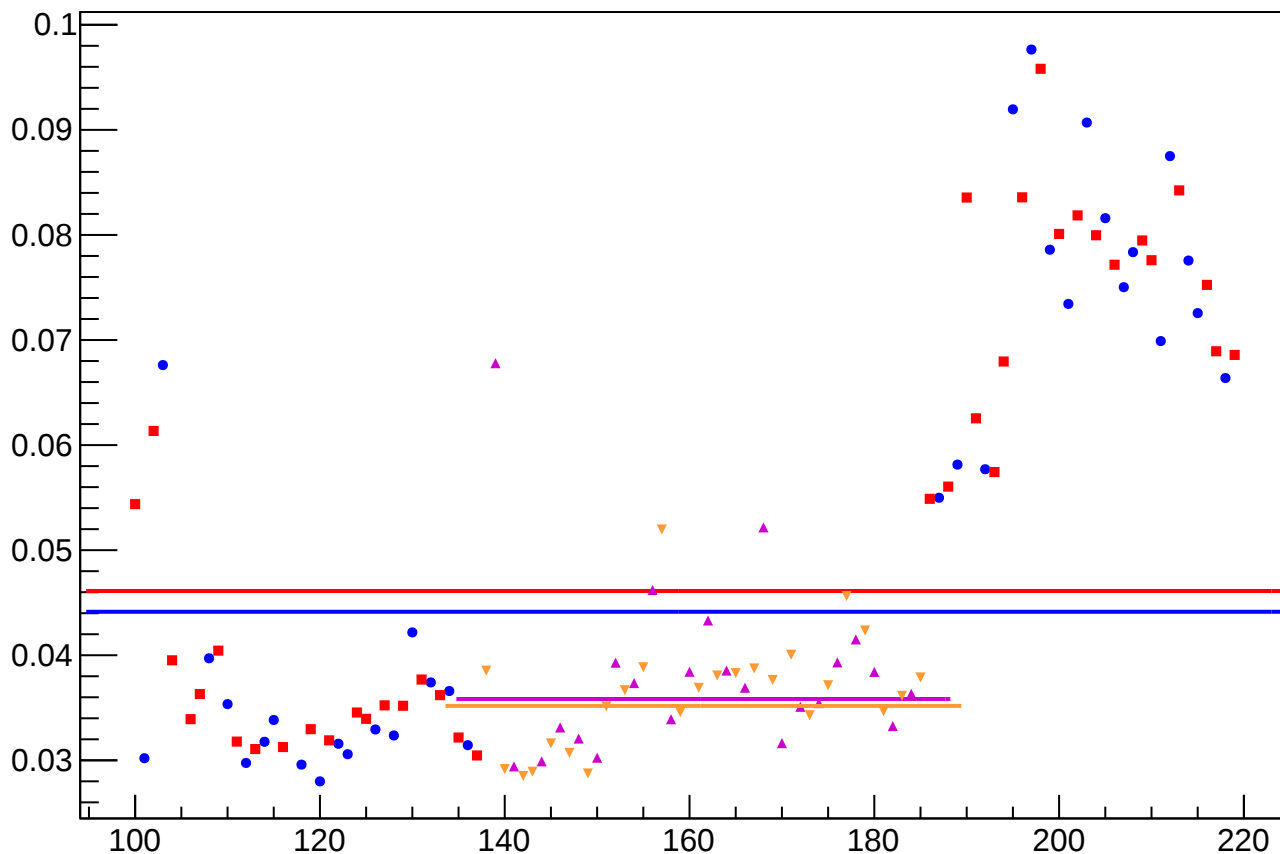
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.205 ± 0.000 χ^2/NDF : 2466086642.5/57

All: -1.203 ± 0.000 χ^2/NDF : 4916283982.8/1

- sign -1.200 ± 0.000 χ^2/NDF : 2449915822.2/59

yield_bpm12X_rms vs Slug



Right In: 0.044 $\pm$ 0.000 χ^2 /NDF: 5546181.5/32

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 4917536.1/36

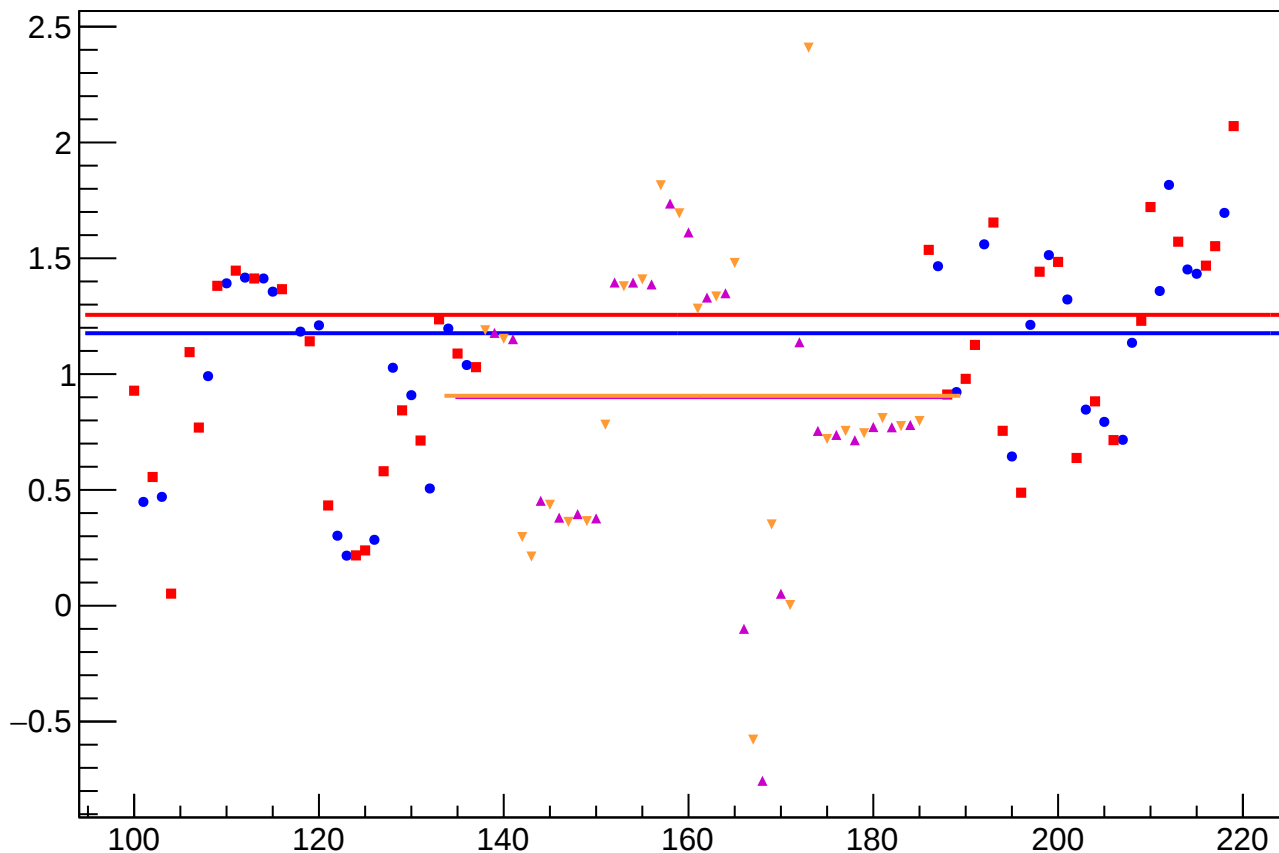
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.038 $\pm$ 0.000 χ^2 /NDF: 6887657.7/57

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 13689848.2/117

- sign 0.040 $\pm$ 0.000 χ^2 /NDF: 6766300.6/59

yield_bpm12Y_mean vs Slug



Right In: 1.177 $\pm$ 0.000 χ^2 /NDF: 49777248801.2/32

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.256 $\pm$ 0.000 χ^2 /NDF: 71628392872.4/36

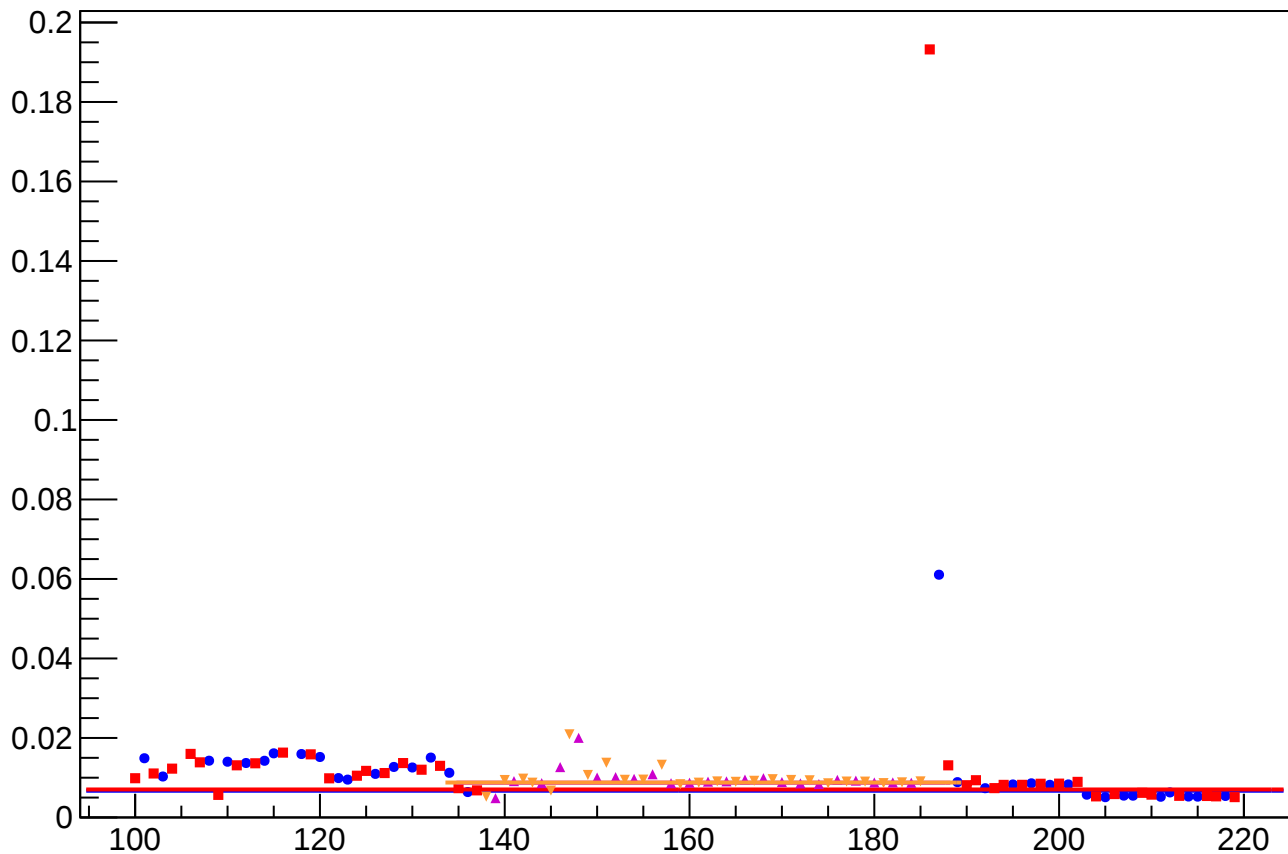
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 1.069 $\pm$ 0.000 χ^2 /NDF: 143515643965.9/57

All: 1.092 $\pm$ 0.000 χ^2 /NDF: 298584190629.3

- sign 1.116 $\pm$ 0.000 χ^2 /NDF: 154474411674.7/59

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3797165.4/32

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 4326799.0/36

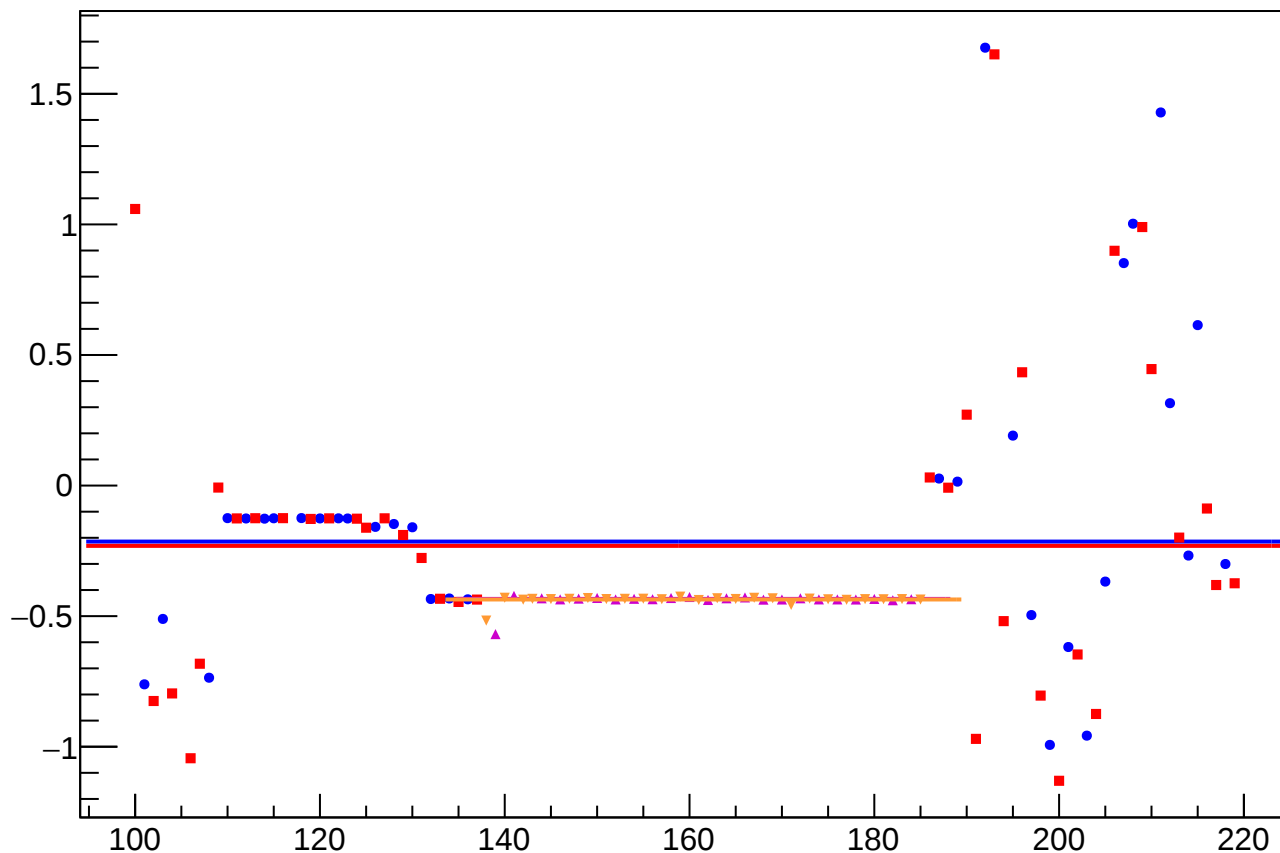
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6620066.3/57

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 13357763.6/117

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6722793.7/59

yield_bpm16X_mean vs Slug



Right In: -0.214 ± 0.000 χ^2/NDF : 4982799606.7/32

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.231 ± 0.000 χ^2/NDF : 3439646750.0/36

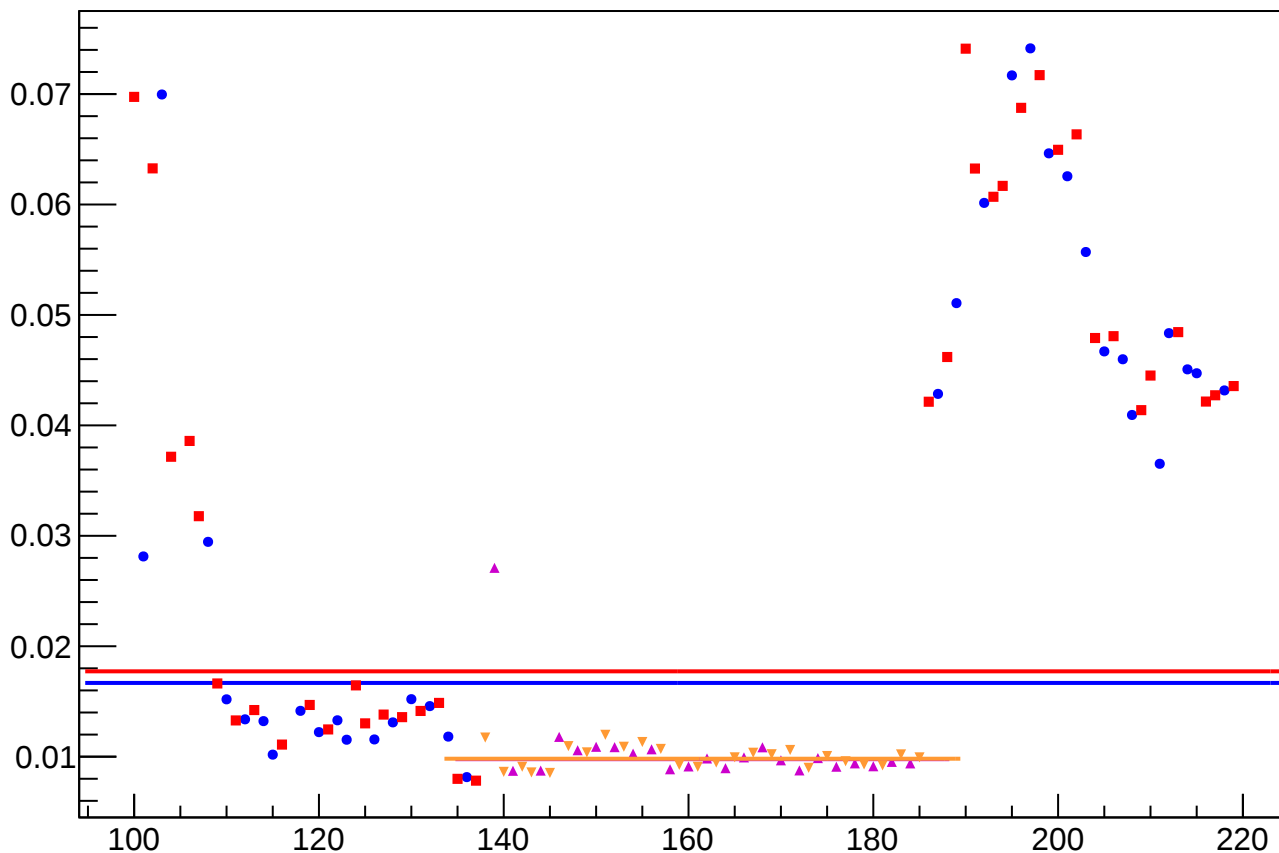
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.396 ± 0.000 χ^2/NDF : 6458869232.1/57

All: -0.396 ± 0.000 χ^2/NDF : 11077415906.9/100

- sign -0.397 ± 0.000 χ^2/NDF : 4618492604.5/59

yield_bpm16X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 13094813.3/32

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 13840087.9/36

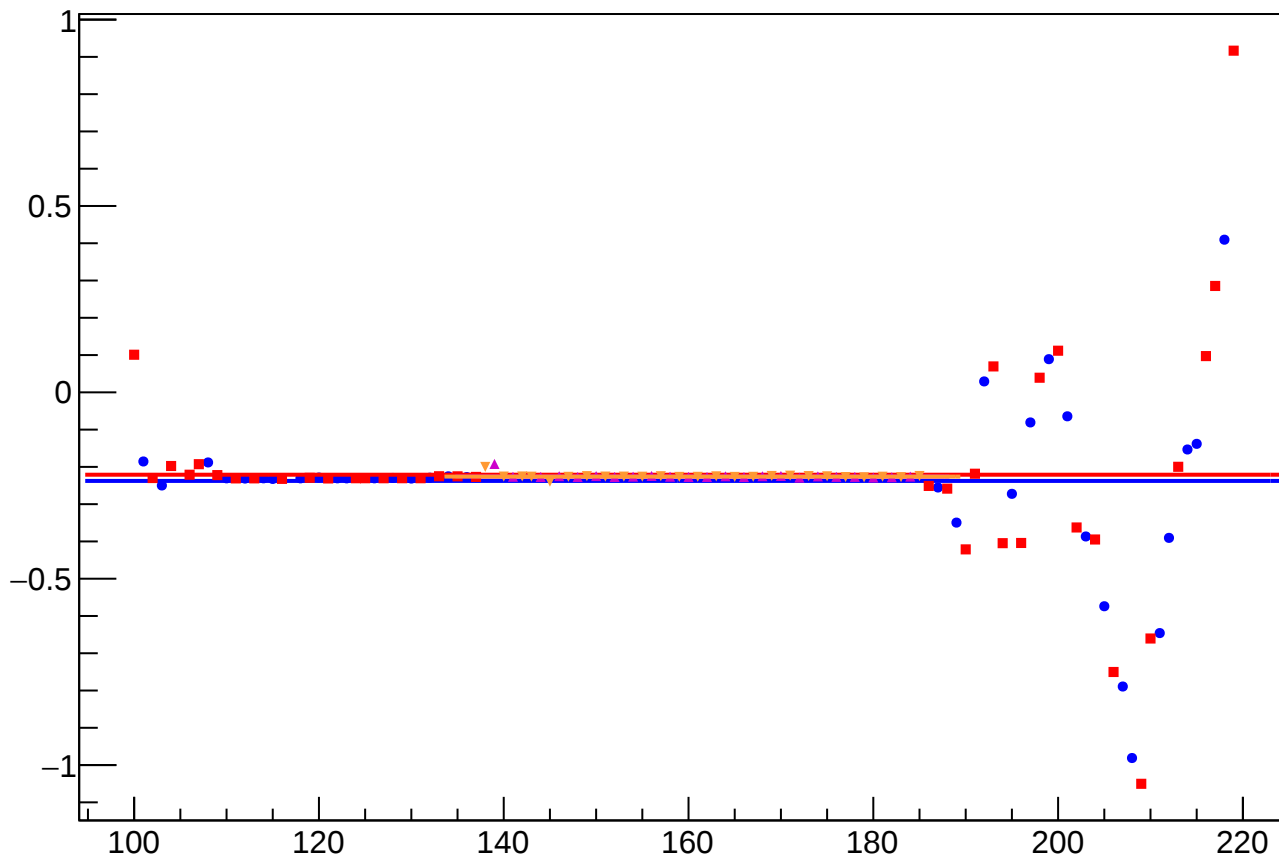
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 16138861.5/57

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 34326976.6/117

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 18182396.5/59

yield_bpm16Y_mean vs Slug



Right In: -0.238+/-0.000 χ^2/NDF : 33537483794.1/32

Left Out: -0.226+/-0.000 χ^2/NDF : 21207366.3/24

Right Out: -0.221+/-0.000 χ^2/NDF : 46860873277.3/36

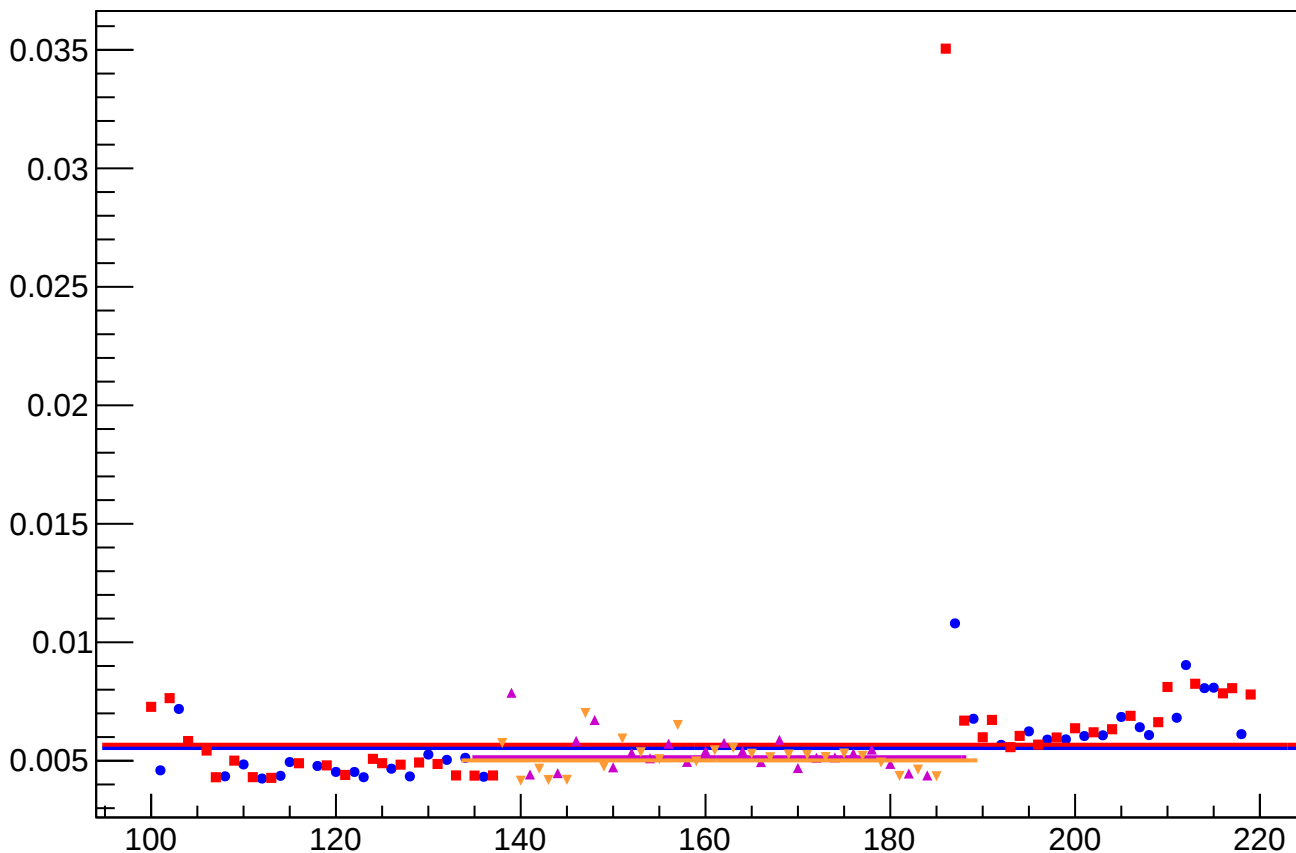
Left In: -0.226+/-0.000 χ^2/NDF : 13717302.5/22

+ sign -0.231+/-0.000 χ^2/NDF : 33599113359.8/57

All: -0.227+/-0.000 χ^2/NDF : 80514012836.3/100

- sign -0.224+/-0.000 χ^2/NDF : 46881035474.3/59

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1370155.7/32

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1980348.1/36

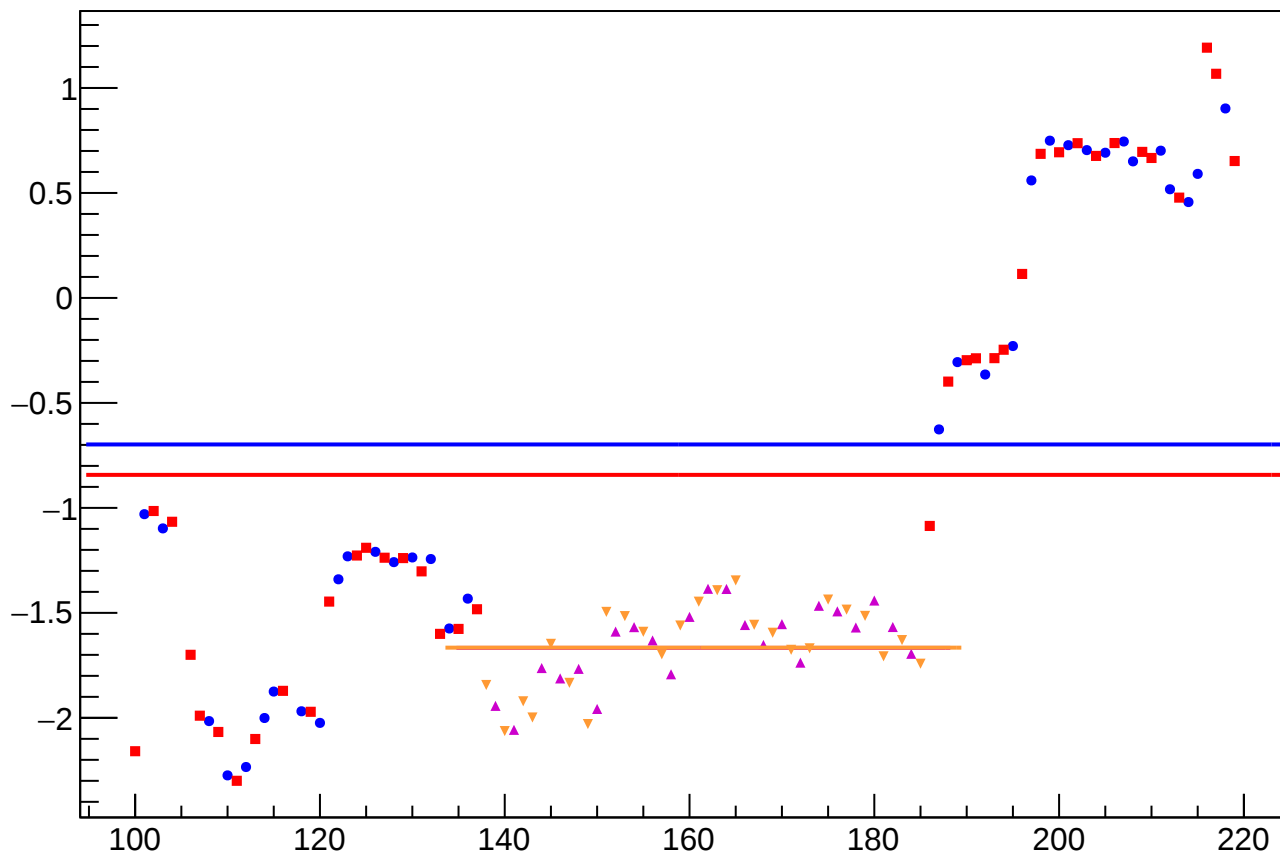
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 2065342.7/57

All: 0.005+/-0.000 χ^2/NDF : 4738062.3/117

- sign 0.005+/-0.000 χ^2/NDF : 2645170.4/59

yield_bpm0l01X_mean vs Slug



Right In: -0.698 ± 0.000 χ^2/NDF : 254208060194.6/32

Left Out: -1.666 ± 0.000 χ^2/NDF : 18368038680.8/24

Right Out: -0.843 ± 0.000 χ^2/NDF : 302214633765.0/36

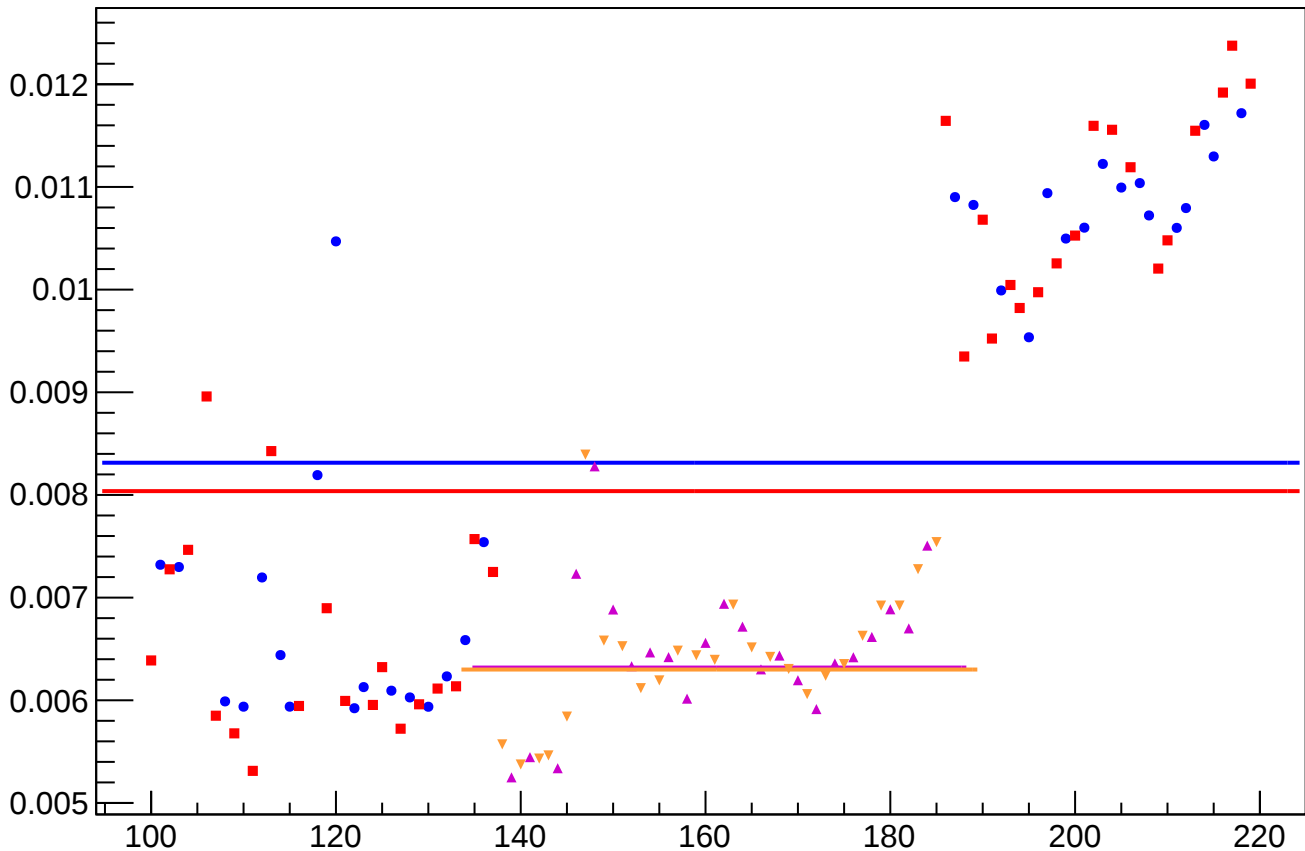
Left In: -1.667 ± 0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.330 ± 0.000 χ^2/NDF : 416175471490.9/57

All: -1.336 ± 0.000 χ^2/NDF : 843754521611.0

- sign -1.342 ± 0.000 χ^2/NDF : 427525428510.5/59

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2210610.1/32

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2775244.2/36

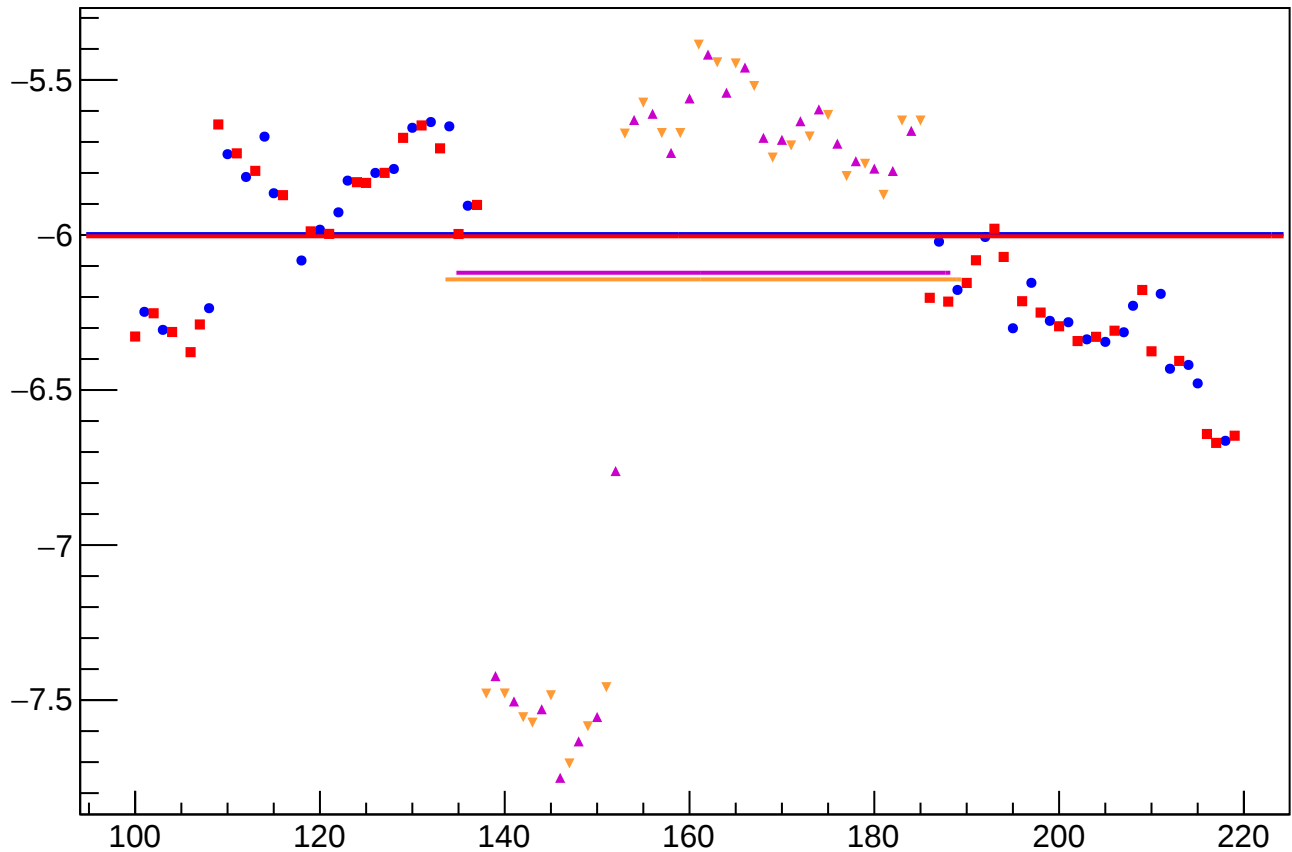
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 3767590.0/57

All: 0.007+/-0.000 χ^2/NDF : 7839669.5/117

- sign 0.007+/-0.000 χ^2/NDF : 4072073.2/59

yield_bpm0l01Y_mean vs Slug



Right In: -5.997 ± 0.000 χ^2/NDF : 19262914798.7/32

Left Out: -6.143 ± 0.000 χ^2/NDF : 185721259239.3/24

Right Out: -6.004 ± 0.000 χ^2/NDF : 22171013094.8/36

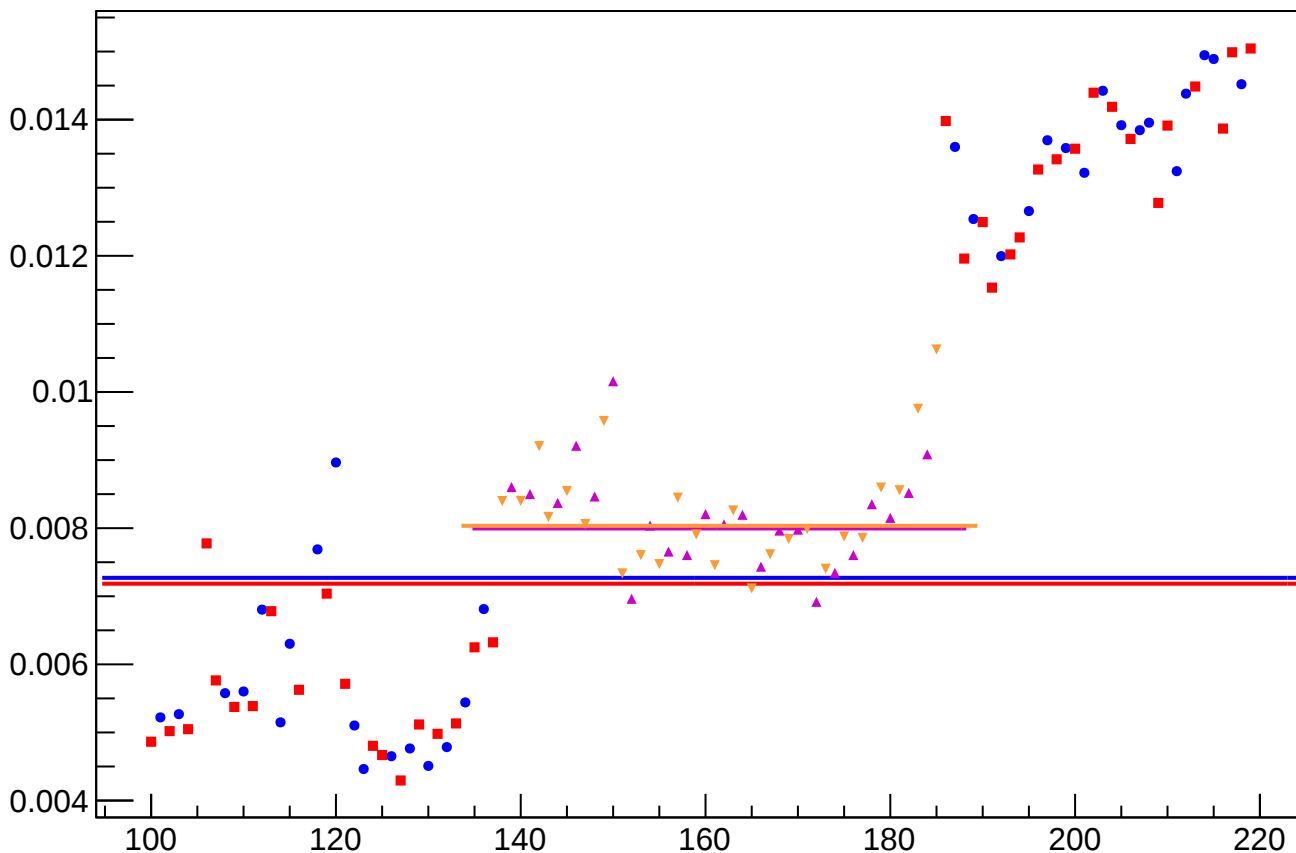
Left In: -6.122 ± 0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.070 ± 0.000 χ^2/NDF : 207756188279.8/57

All: -6.064 ± 0.000 χ^2/NDF : 391716269705.3

- sign -6.059 ± 0.000 χ^2/NDF : 183927453369.4/59

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6675960.9/32

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205976.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6980077.6/36

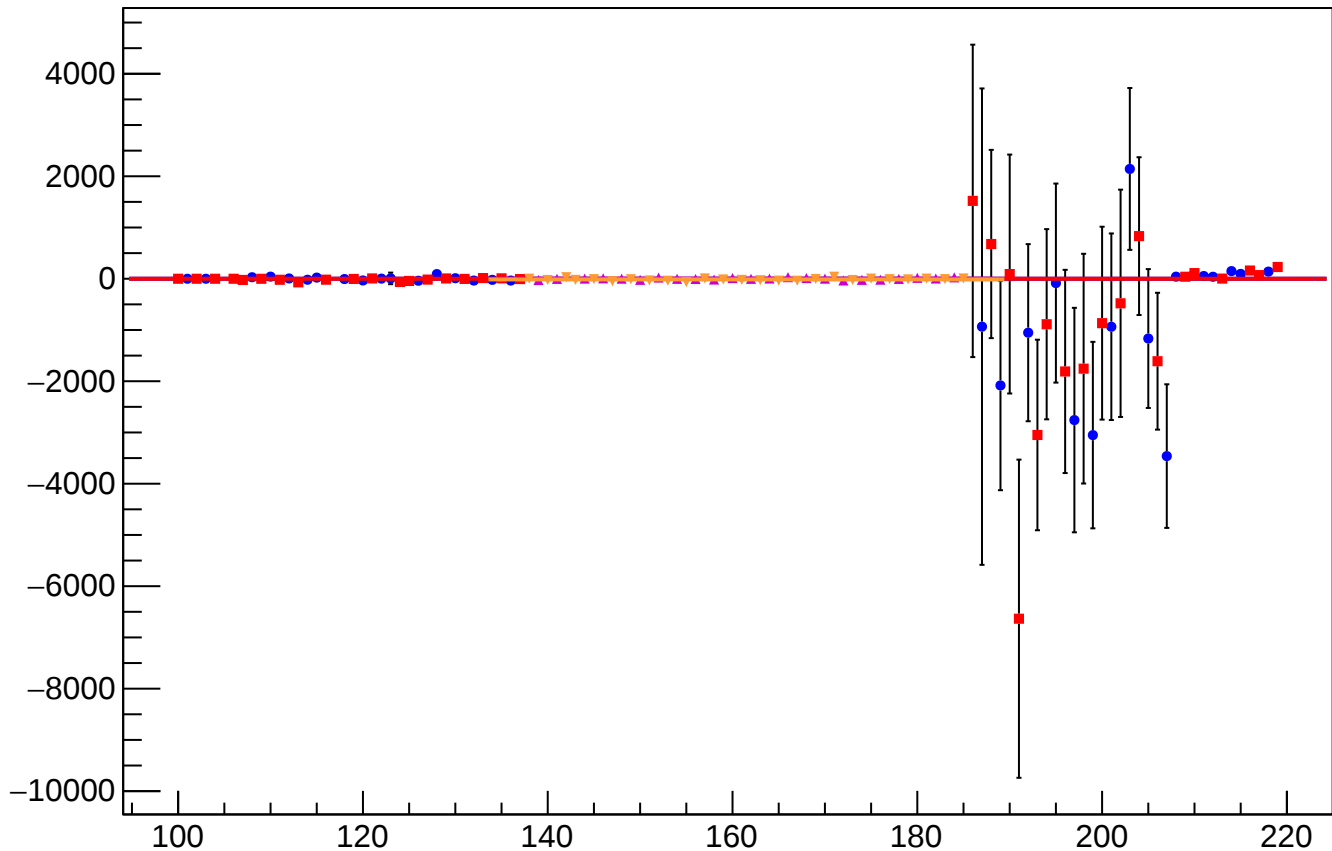
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220203.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7033285.9/57

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 14414226.4/117

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7376592.3/59

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 57.0/32

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 63.4/36

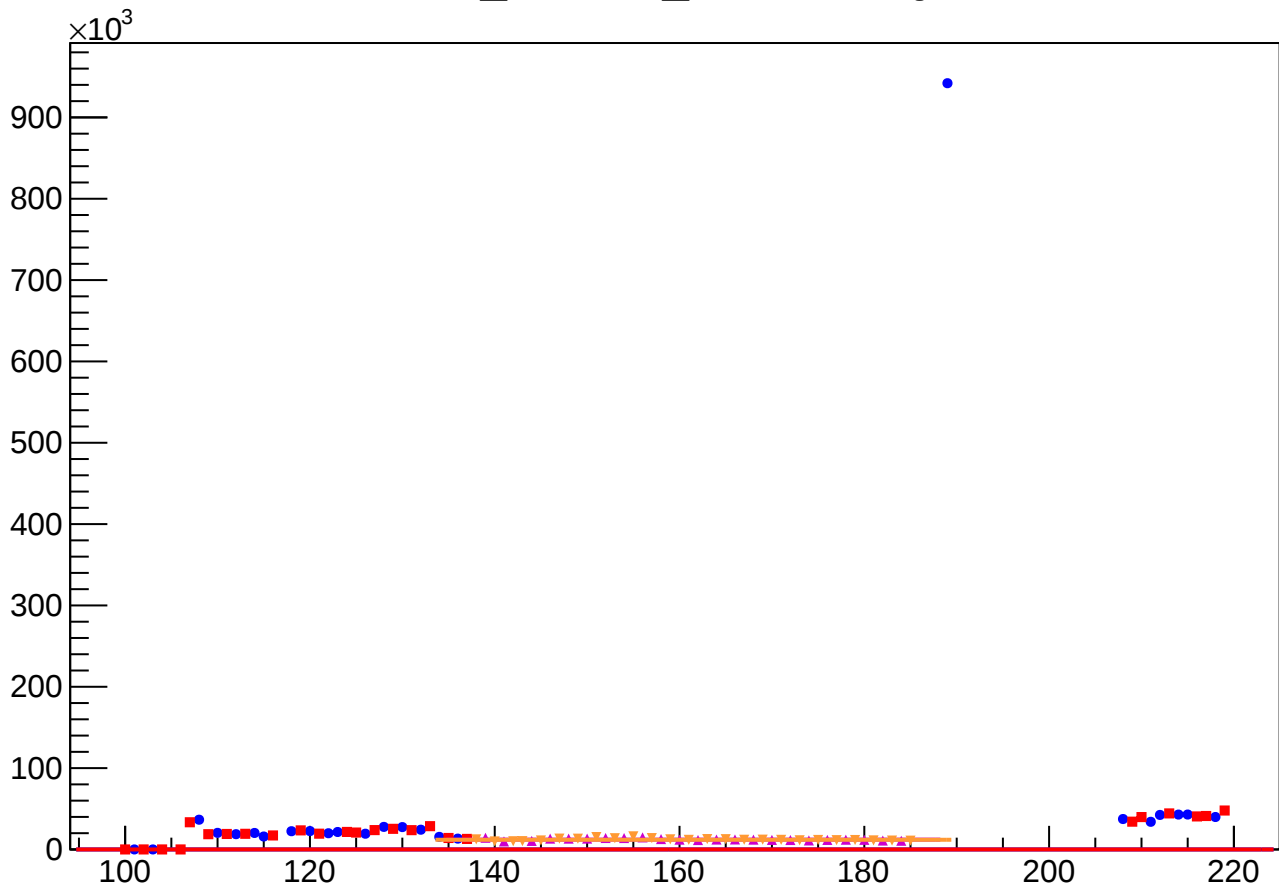
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 138.7/57

All: 0.008 ± 0.012 χ^2/NDF : 231.0/117

- sign 0.003 ± 0.016 χ^2/NDF : 92.1/59

diff_cav4bX_rms vs Slug



Right In: 18.673 $\pm$ 0.012 χ^2 /NDF: 19678367.1/23

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.339 $\pm$ 0.011 χ^2 /NDF: 19897528.6/24

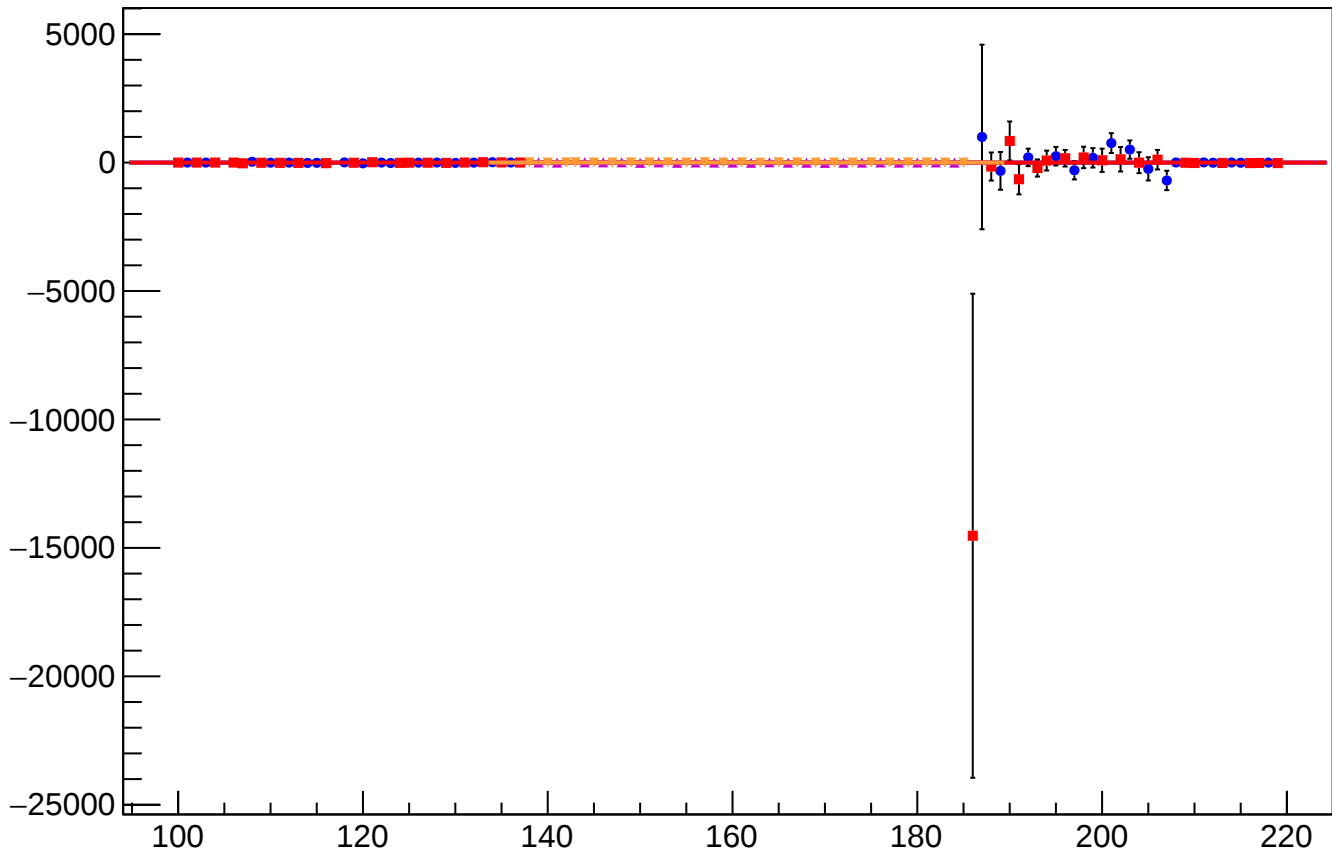
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.130 $\pm$ 0.012 χ^2 /NDF: 56318409.4/48

All: 18.903 $\pm$ 0.008 χ^2 /NDF: 110968962.1/96

- sign 18.708 $\pm$ 0.011 χ^2 /NDF: 54649913.1/47

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 29.5/32

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 59.3/36

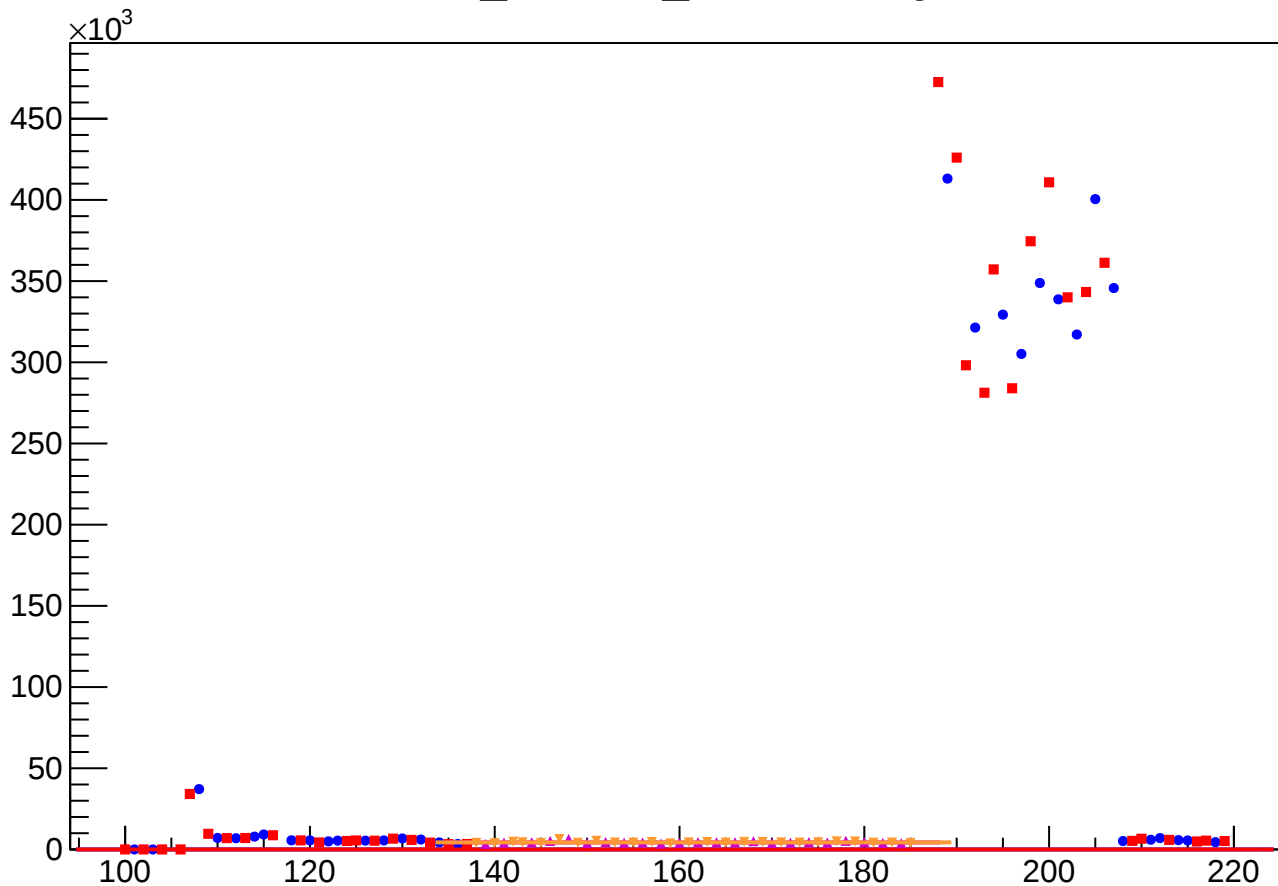
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 50.1/57

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 146.8/117

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 95.6/59

diff_cav4bY_rms vs Slug



Right In: 10.005+/-0.007 χ^2/NDF : 33068899.4/31

Left Out: 4350.545+/-0.722 χ^2/NDF : 384749.0/24

Right Out: 9.915+/-0.006 χ^2/NDF : 34667462.6/35

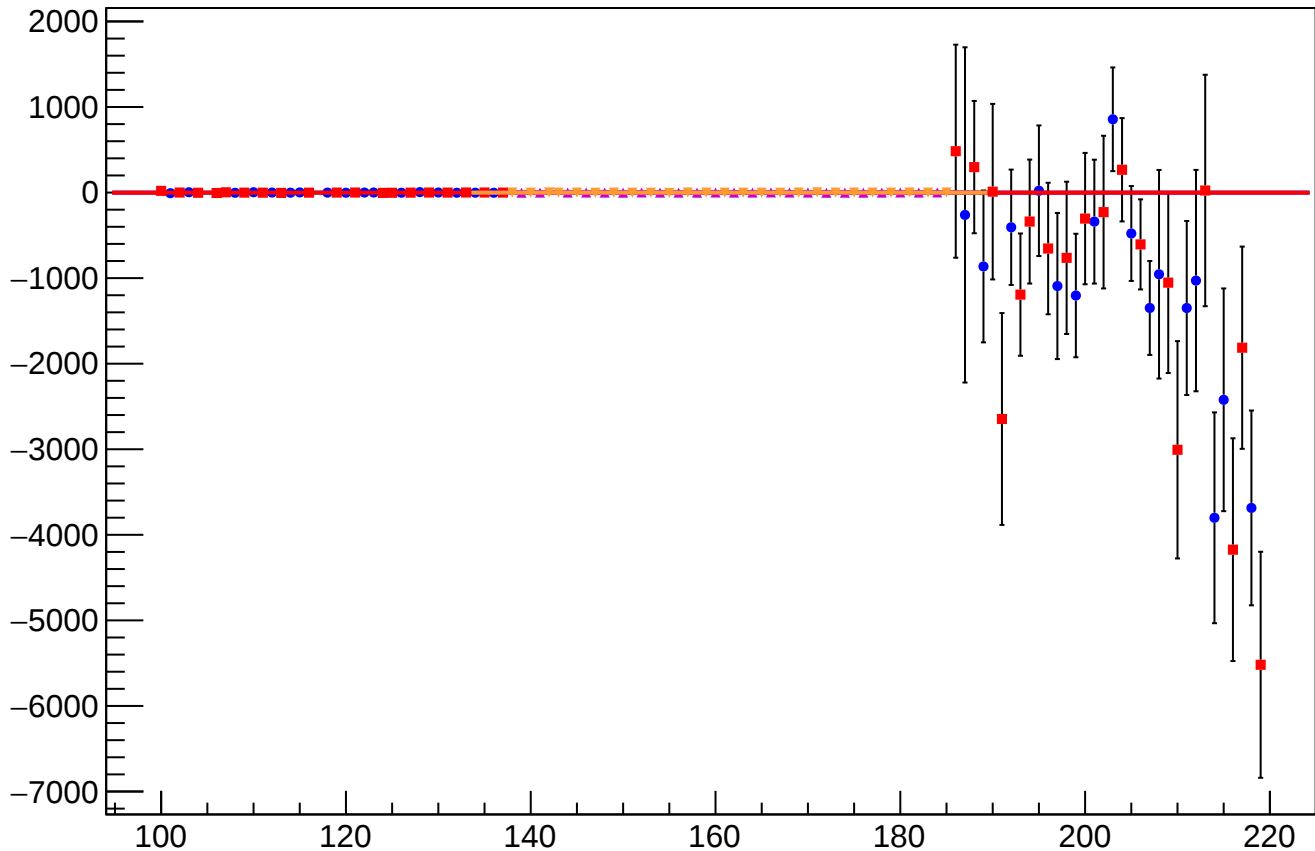
Left In: 4314.568+/-0.738 χ^2/NDF : 534594.3/22

+ sign 10.357+/-0.007 χ^2/NDF : 69595776.5/56

All: 10.280+/-0.004 χ^2/NDF : 138860201.3/1

- sign 10.211+/-0.006 χ^2/NDF : 69264157.2/58

diff_cav4cX_mean vs Slug



Right In: -0.707 ± 0.485 χ^2/NDF : 63.7/32

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.765 ± 0.502 χ^2/NDF : 59.5/36

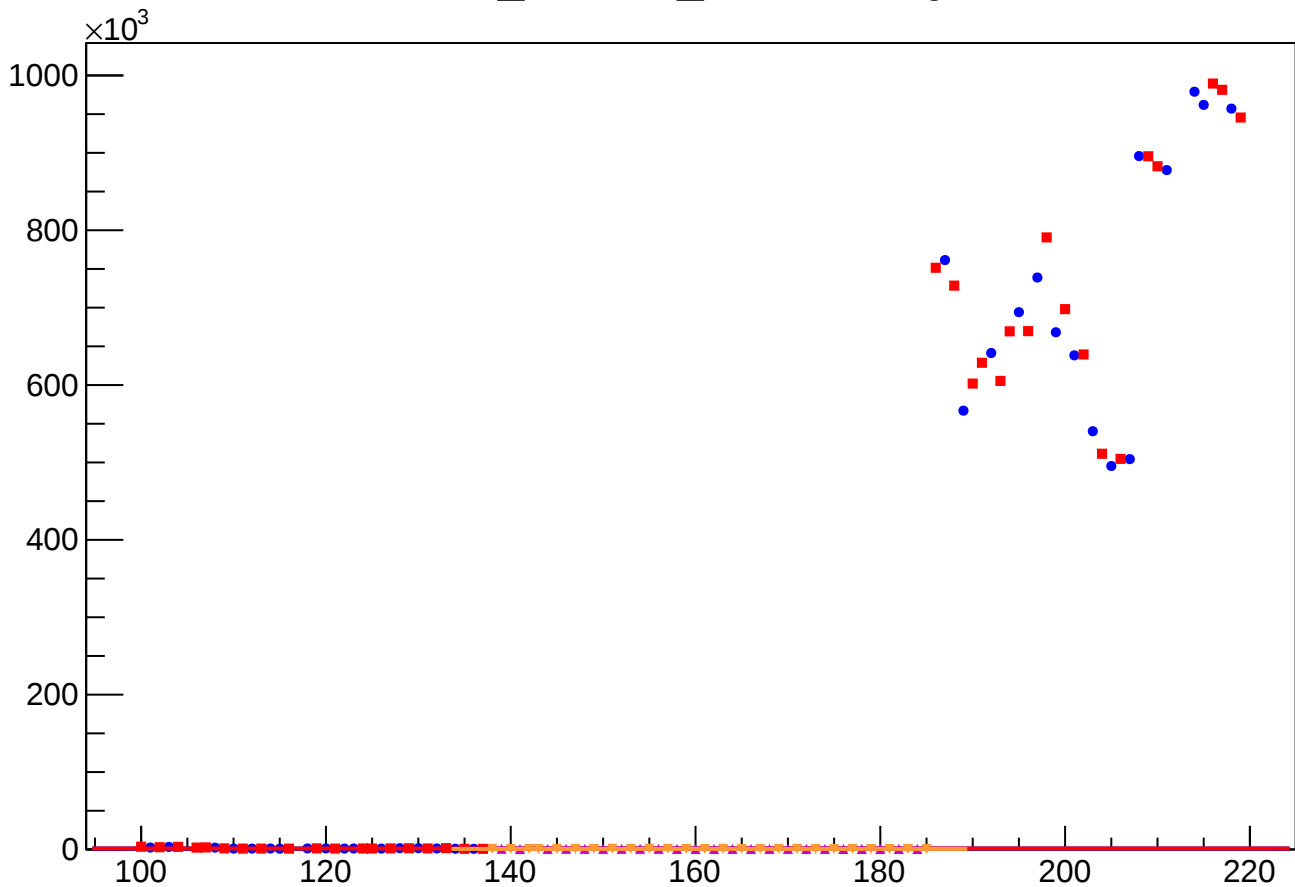
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 122.1/57

All: -0.444 ± 0.112 χ^2/NDF : 221.7/117

- sign -0.097 ± 0.161 χ^2/NDF : 90.7/59

diff_cav4cX_rms vs Slug



Right In: 1167.405 $\pm$ 0.343 χ^2 /NDF: 19026450.6/31

Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF: 392521.4/24

Right Out: 1252.677 $\pm$ 0.355 χ^2 /NDF: 19391376.6/35

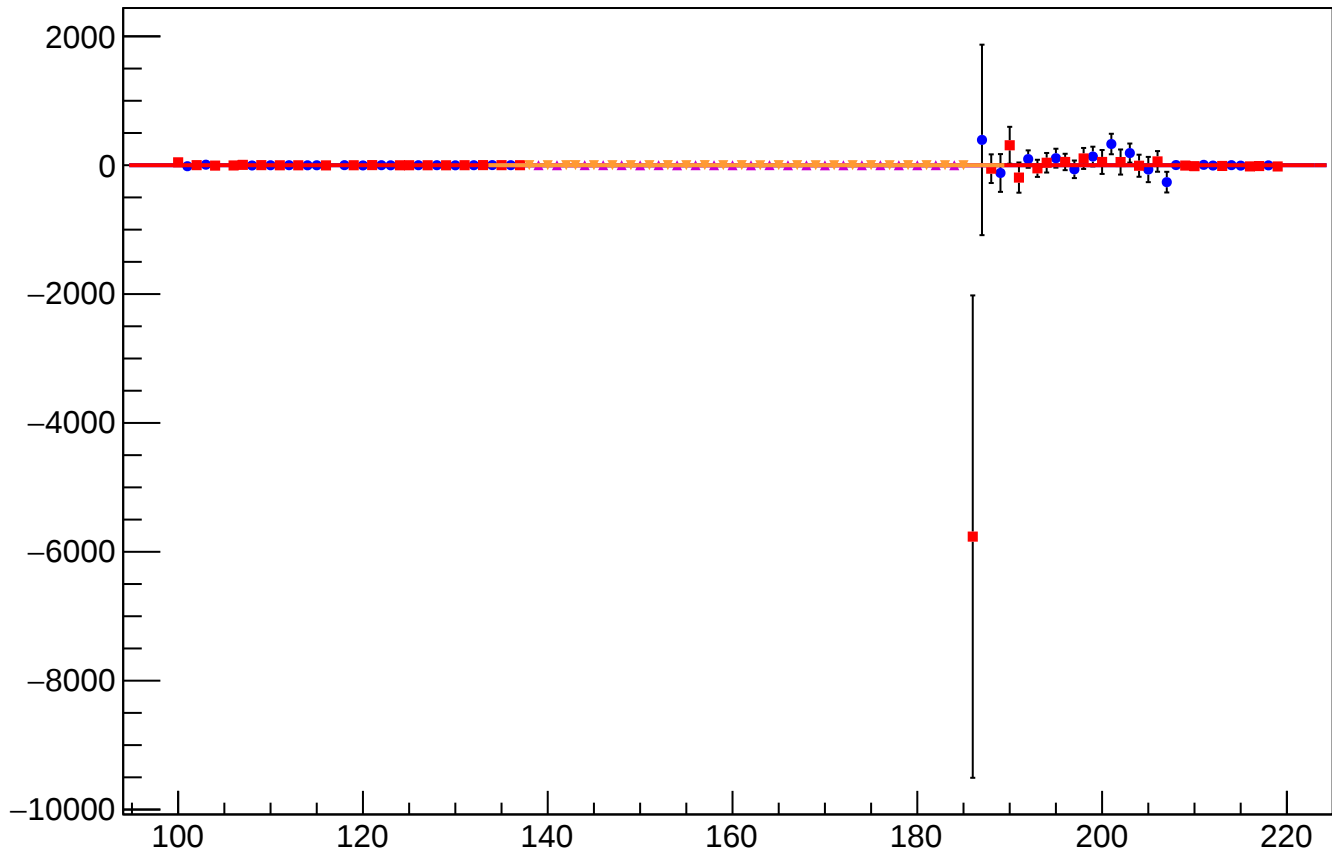
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF: 338177.1/22

+ sign 748.831 $\pm$ 0.110 χ^2 /NDF: 21079513.7/56

All: 755.741 $\pm$ 0.079 χ^2 /NDF: 42936647.6/11

- sign 763.149 $\pm$ 0.114 χ^2 /NDF: 21848962.3/58

diff_cav4cY_mean vs Slug



Right In: -0.072 ± 0.268 χ^2/NDF : 35.5/32

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.027 ± 0.263 χ^2/NDF : 76.1/36

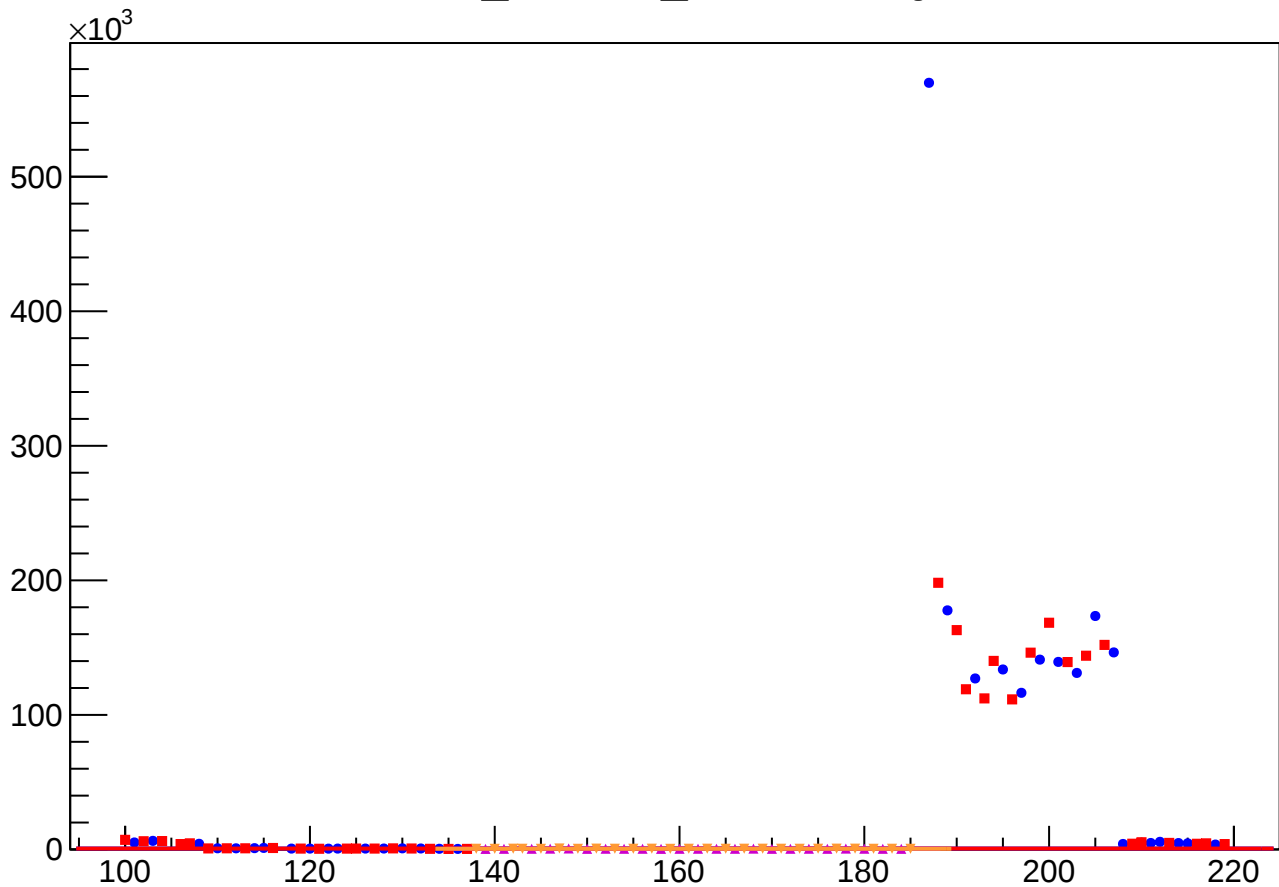
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.111 χ^2/NDF : 54.1/57

All: 0.142 ± 0.079 χ^2/NDF : 165.6/117

- sign 0.099 ± 0.113 χ^2/NDF : 111.2/59

diff_cav4cY_rms vs Slug



Right In: 671.433 ± 0.190 χ^2/NDF : 23316874.0/32

Left Out: 522.416 ± 0.087 χ^2/NDF : 331573.1/24

Right Out: 661.976 ± 0.186 χ^2/NDF : 24839061.1/35

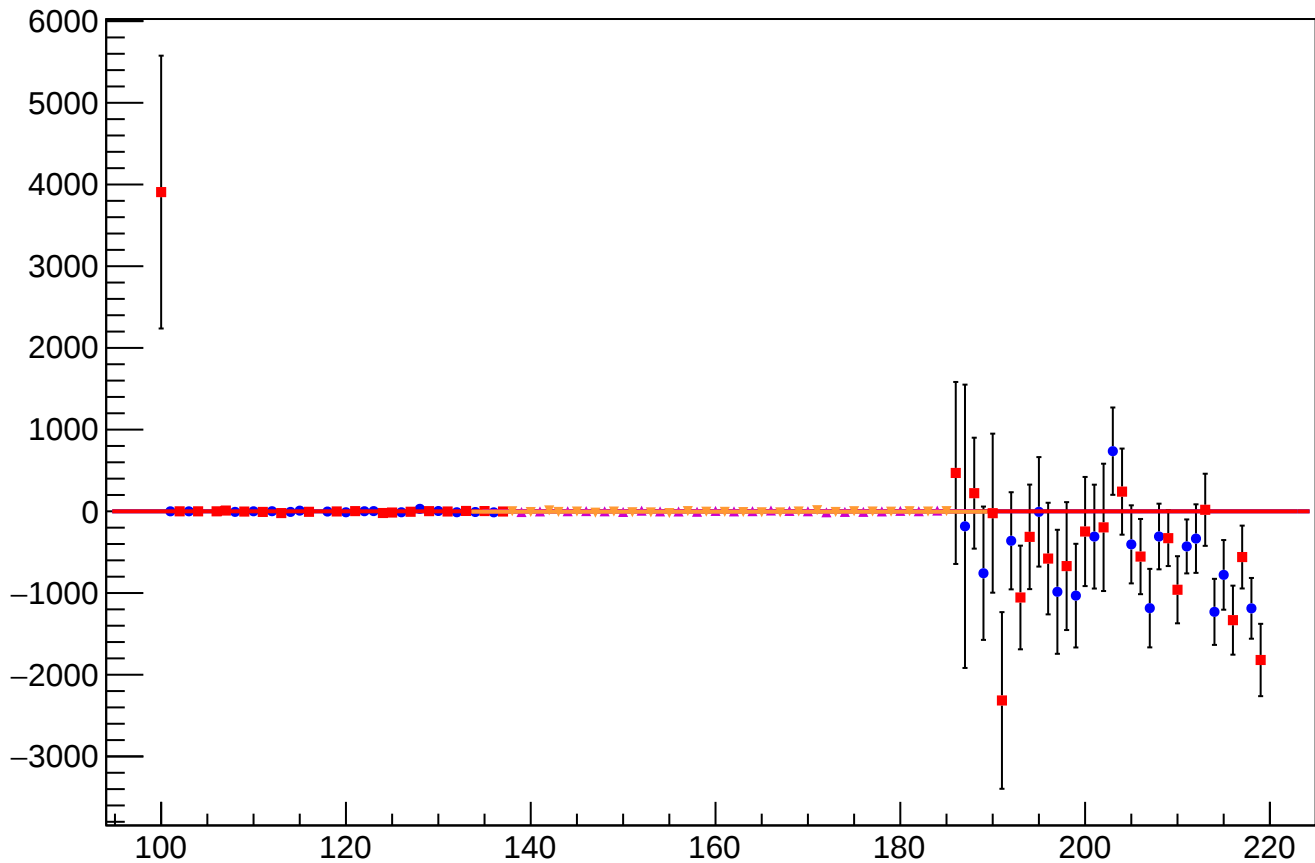
Left In: 519.909 ± 0.089 χ^2/NDF : 444746.3/22

+ sign 548.093 ± 0.079 χ^2/NDF : 24158548.3/57

All: 547.204 ± 0.056 χ^2/NDF : 49918498.5/11

- sign 546.286 ± 0.080 χ^2/NDF : 25759691.6/58

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 55.8/32

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 63.3/36

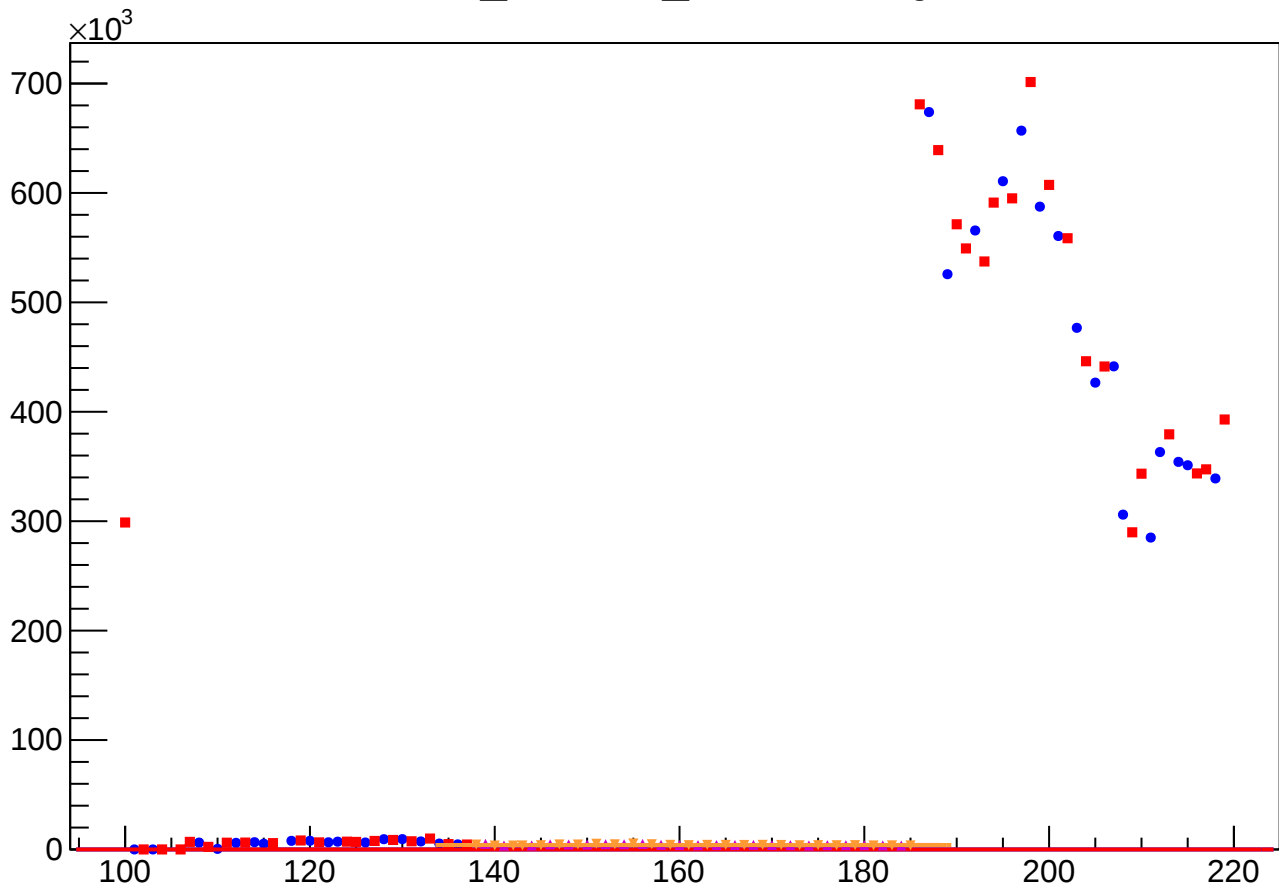
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 135.8/57

All: -0.025 ± 0.014 χ^2/NDF : 228.4/117

- sign -0.027 ± 0.020 χ^2/NDF : 92.6/59

diff_cav4dX_rms vs Slug



Right In: 17.347 $\pm$ 0.015 χ^2 /NDF: 33266045.6/32

Left Out: 4074.257 $\pm$ 0.676 χ^2 /NDF: 416916.0/24

Right Out: 17.278 $\pm$ 0.014 χ^2 /NDF: 35531892.1/36

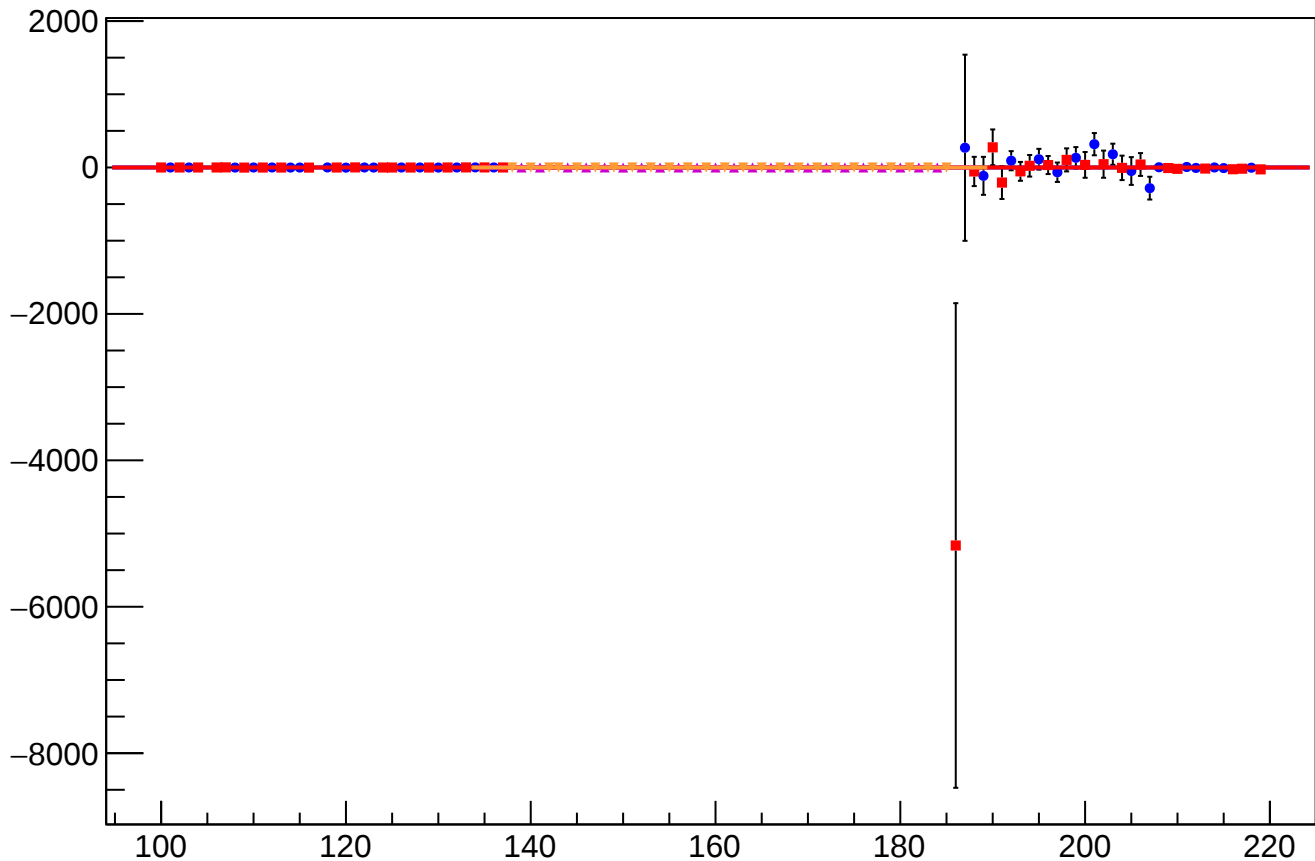
Left In: 4113.744 $\pm$ 0.700 χ^2 /NDF: 354965.8/22

+ sign 19.267 $\pm$ 0.015 χ^2 /NDF: 69715993.7/57

All: 19.080 $\pm$ 0.010 χ^2 /NDF: 139819849.3/11

- sign 18.911 $\pm$ 0.014 χ^2 /NDF: 70103547.4/59

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 30.7/32

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF: 16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 78.1/36

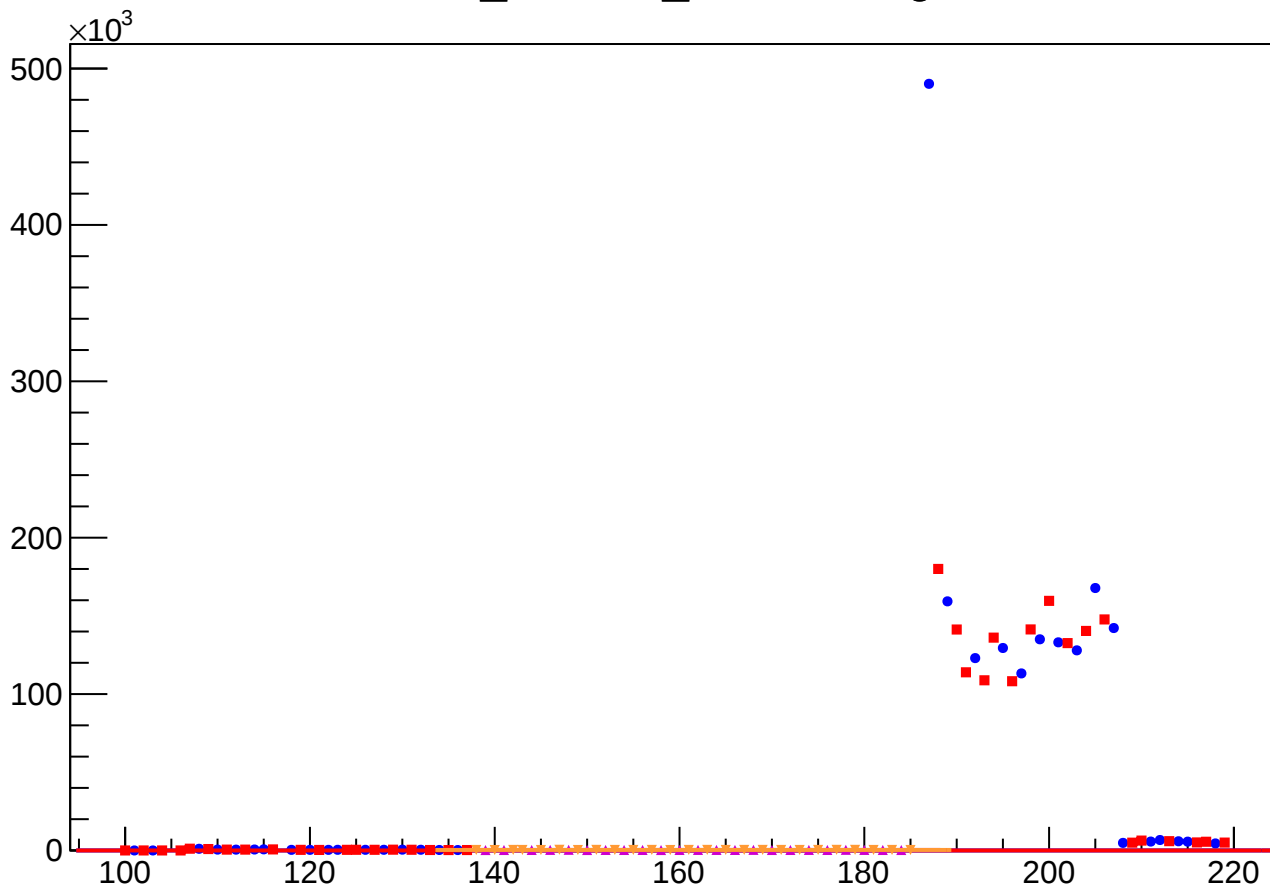
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF: 34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 51.4/57

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 165.2/117

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 113.8/59

diff_cav4dY_rms vs Slug



Right In: 1.702 ± 0.001 χ^2/NDF : 33462675.7/32

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.731 ± 0.001 χ^2/NDF : 34469594.3/35

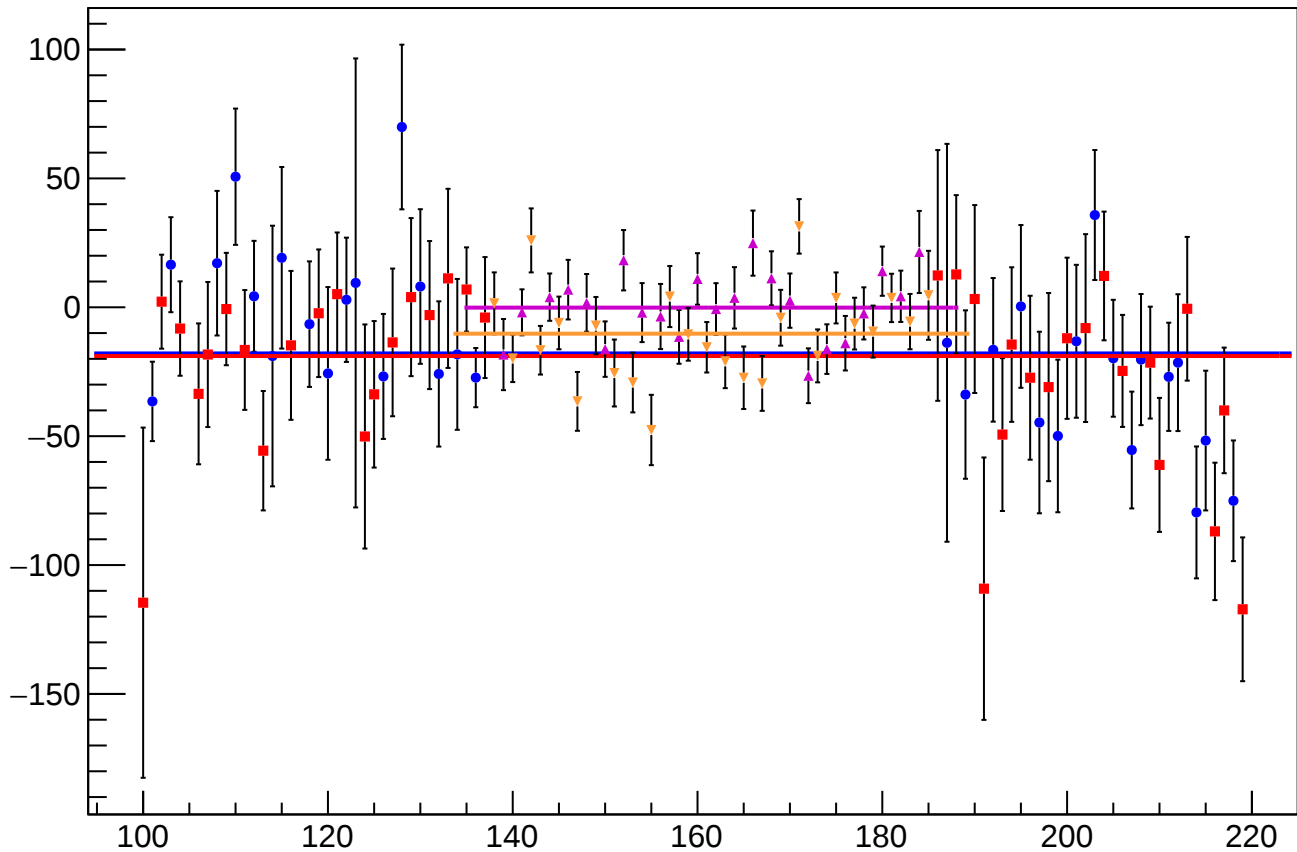
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.929 ± 0.001 χ^2/NDF : 69774288.1/57

All: 1.929 ± 0.001 χ^2/NDF : 138642280.7/116

- sign 1.929 ± 0.001 χ^2/NDF : 68867992.4/58

diff_bpm4aX_mean vs Slug



Right In: -17.905 ± 4.330 $\chi^2/\text{NDF}: 48.9/32$

Left Out: -10.235 ± 2.167 $\chi^2/\text{NDF}: 58.0/24$

Right Out: -18.908 ± 4.375 $\chi^2/\text{NDF}: 44.7/36$

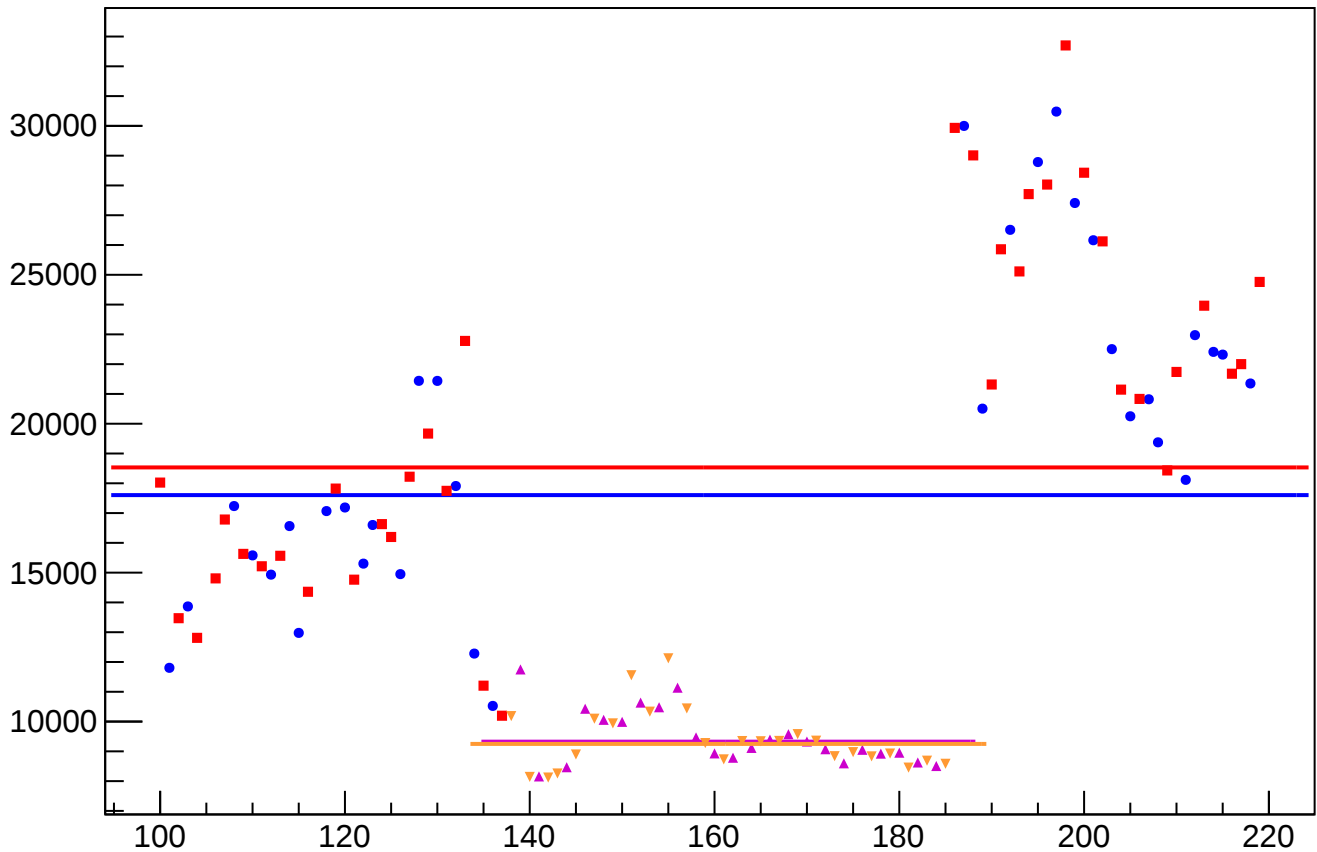
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.771 ± 1.938 $\chi^2/\text{NDF}: 109.4/57$

All: -8.017 ± 1.390 $\chi^2/\text{NDF}: 206.3/117$

- sign -4.036 ± 1.995 $\chi^2/\text{NDF}: 89.2/59$

diff_bpm4aX_rms vs Slug



Right In: 17603.291 $\pm$ 3.061 χ^2 /NDF: 2969596.5/32

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 18532.592 $\pm$ 3.094 χ^2 /NDF: 3069506.2/36

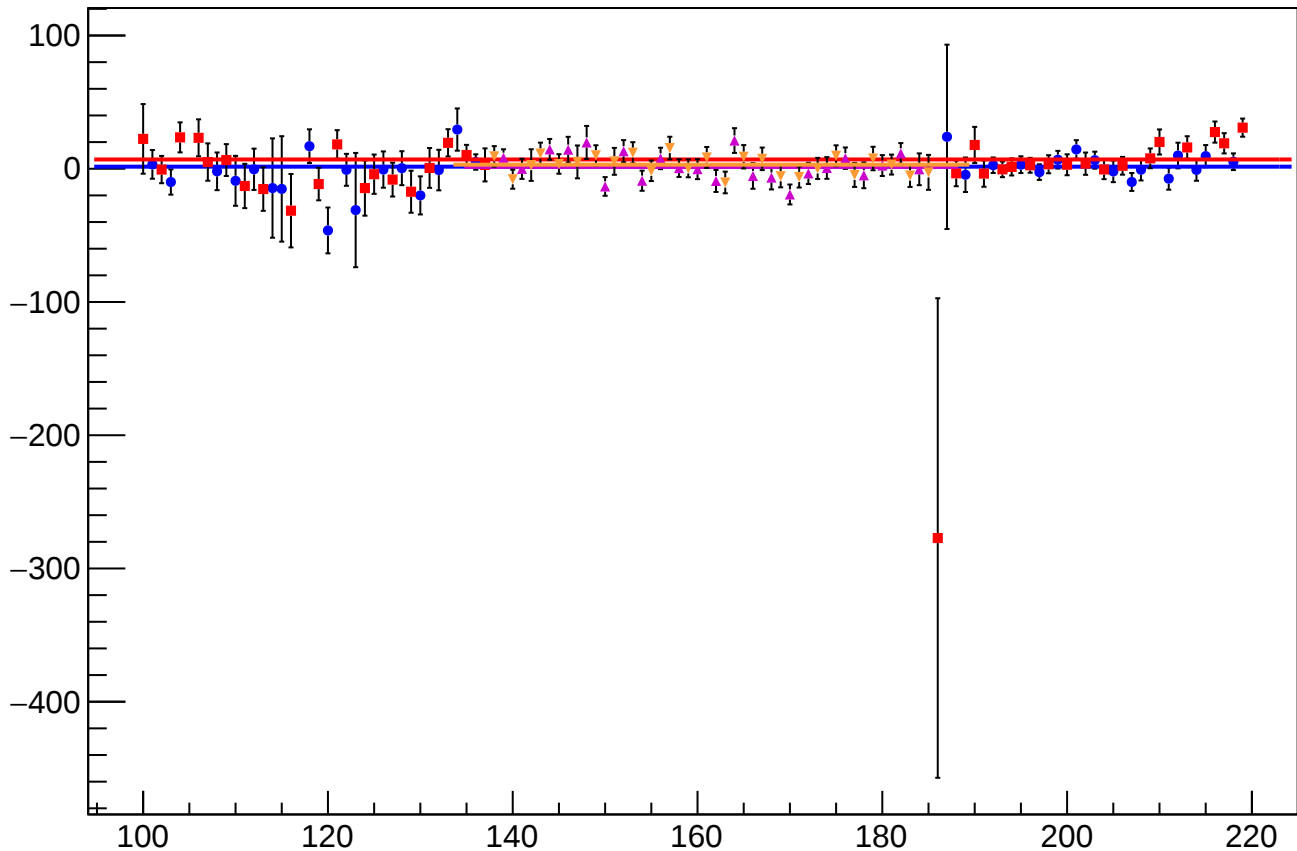
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10922.438 $\pm$ 1.370 χ^2 /NDF: 9256342.9/57

All: 11076.637 $\pm$ 0.983 χ^2 /NDF: 19647502.6

- sign 11240.186 $\pm$ 1.411 χ^2 /NDF: 10365057.5/59

diff_bpm4aY_mean vs Slug



Right In: 1.565 ± 1.590 χ^2/NDF : 29.9/32

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 6.971 ± 1.545 χ^2/NDF : 55.8/36

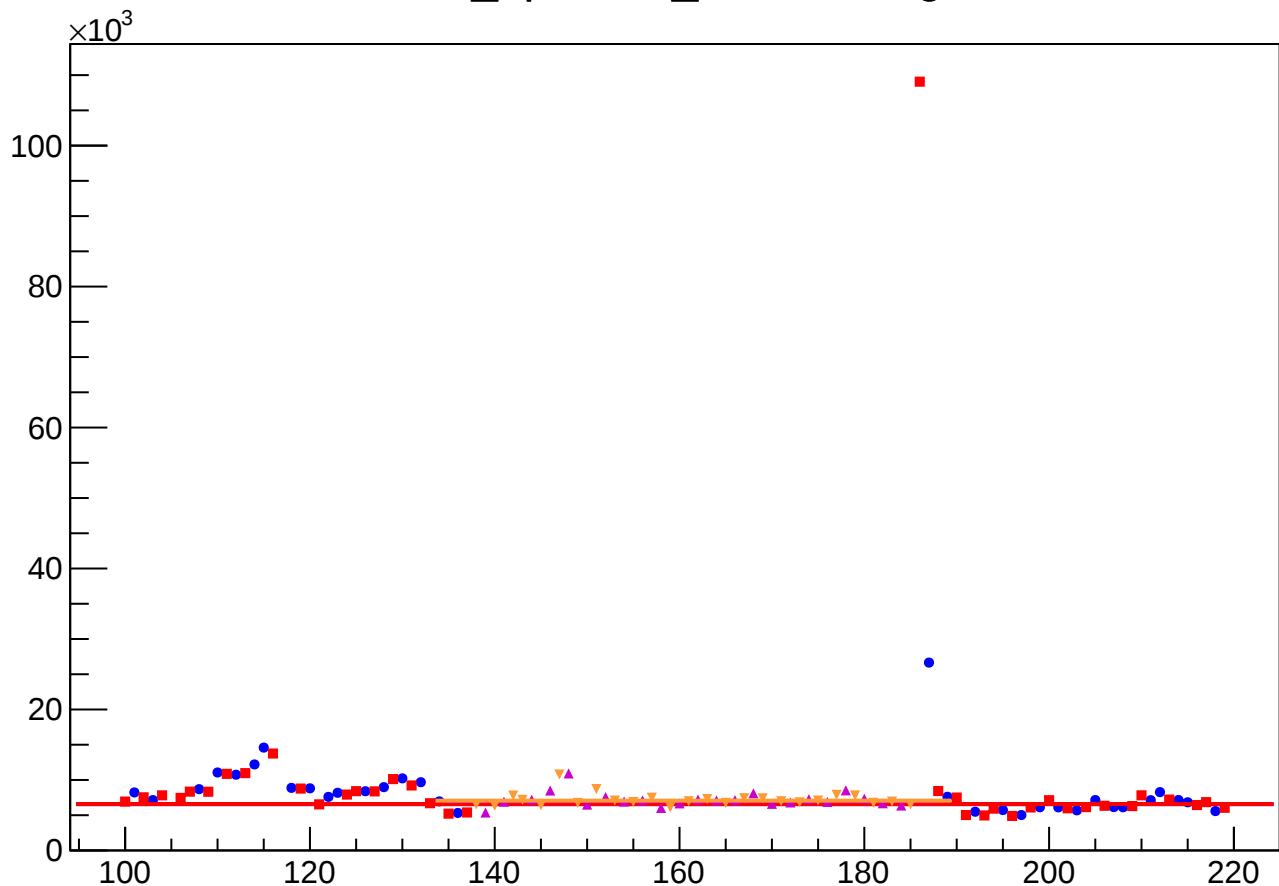
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.281 ± 1.148 χ^2/NDF : 48.6/57

All: 3.365 ± 0.809 χ^2/NDF : 147.4/117

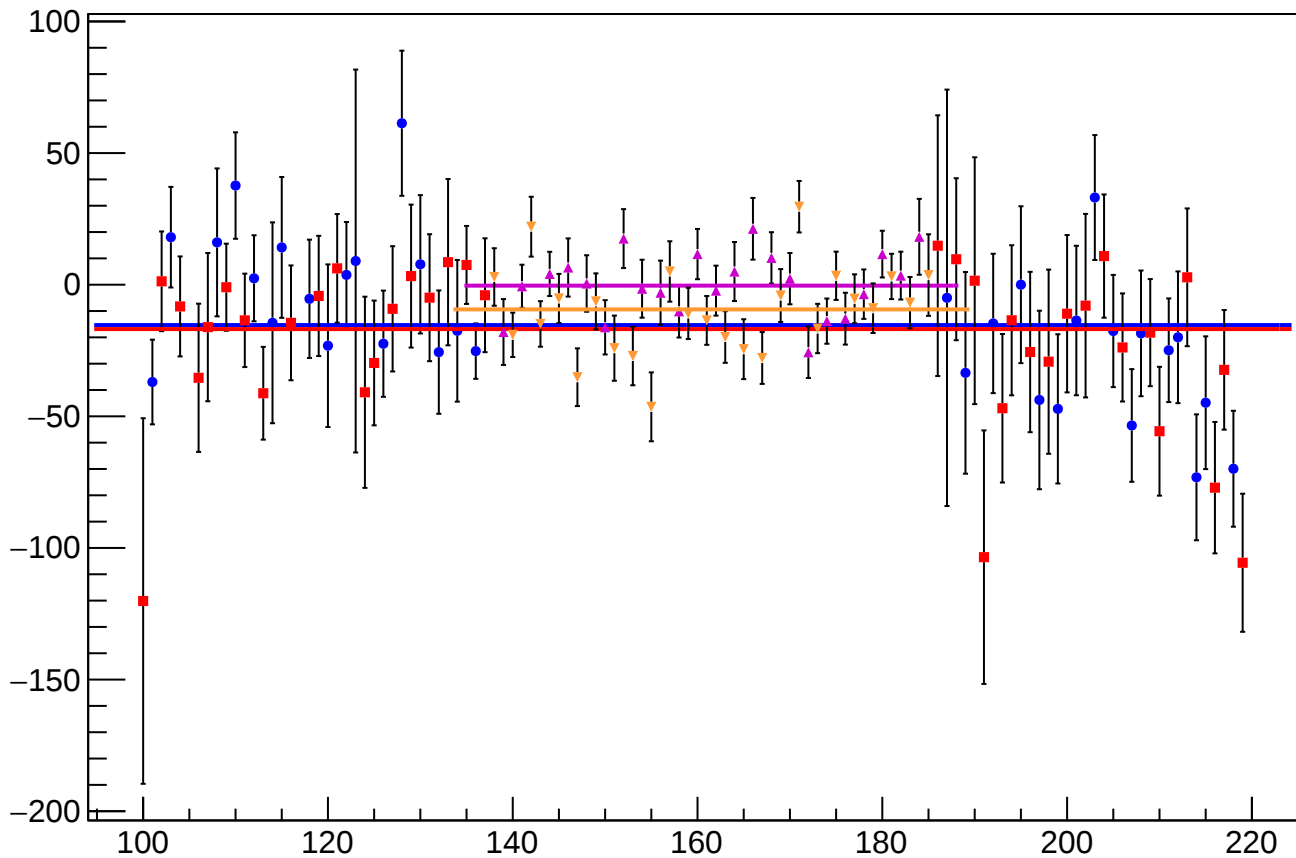
- sign 4.437 ± 1.141 χ^2/NDF : 97.1/59

diff_bpm4aY_rms vs Slug



Right In: 6569.898 $\pm$ 1.124	χ^2/NDF : 1660628.7/32	+ sign 6807.762 $\pm$ 0.812	χ^2/NDF : 2141645.5/57
Left Out: 7066.826 $\pm$ 1.173	χ^2/NDF : 387449.8/24	All: 6789.988 $\pm$ 0.572	χ^2/NDF : 4925355.2/11
Right Out: 6582.397 $\pm$ 1.093	χ^2/NDF : 2166182.4/36	- sign 6772.408 $\pm$ 0.807	χ^2/NDF : 2782755.6/59
Left In: 7000.532 $\pm$ 1.197	χ^2/NDF : 550029.3/22		

diff_bpm4eX_mean vs Slug



Right In: -15.332 ± 3.968 $\chi^2/\text{NDF}: 49.8/32$

Left Out: -9.376 ± 2.018 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -16.860 ± 3.978 $\chi^2/\text{NDF}: 41.9/36$

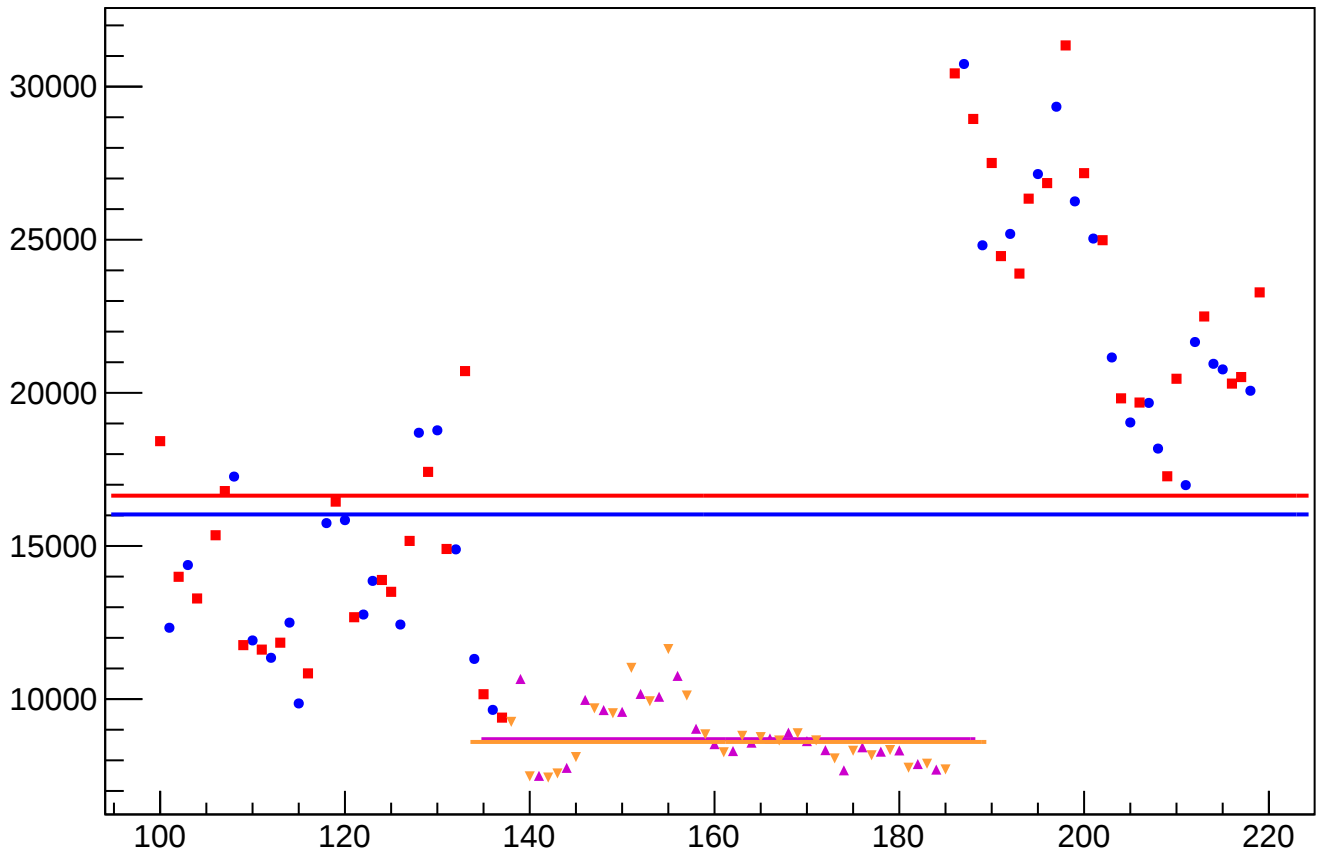
Left In: -0.353 ± 2.092 $\chi^2/\text{NDF}: 29.6/22$

+ sign -10.600 ± 1.799 $\chi^2/\text{NDF}: 110.1/57$

All: -7.362 ± 1.290 $\chi^2/\text{NDF}: 201.8/117$

- sign -3.931 ± 1.852 $\chi^2/\text{NDF}: 85.0/59$

diff_bpm4eX_rms vs Slug



Right In: 16030.011 $\pm$ 2.806 χ^2 /NDF: 3453843.8/32

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF:438229.4/24

Right Out: 16642.981 $\pm$ 2.813 χ^2 /NDF: 3913659.7/36

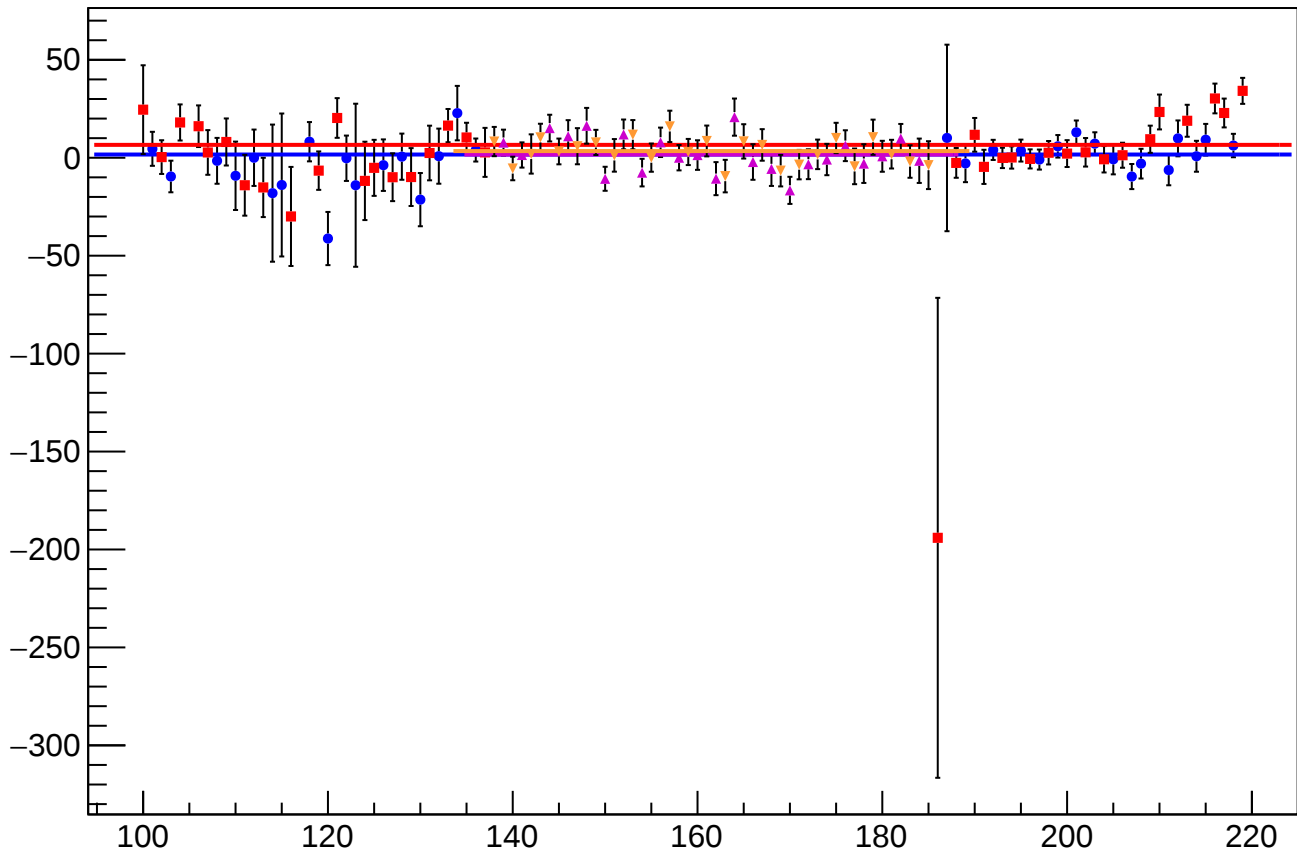
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF:370834.1/22

+ sign 10126.951 $\pm$ 1.272 χ^2 /NDF: 9463316.7/57

All: 10266.182 $\pm$ 0.912 χ^2 /NDF: 20035142.2

- sign 10413.758 $\pm$ 1.309 χ^2 /NDF: 10547136.3/59

diff_bpm4eY_mean vs Slug



Right In: 1.651 ± 1.444 χ^2/NDF : 31.8/32

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 6.581 ± 1.389 χ^2/NDF : 71.7/36

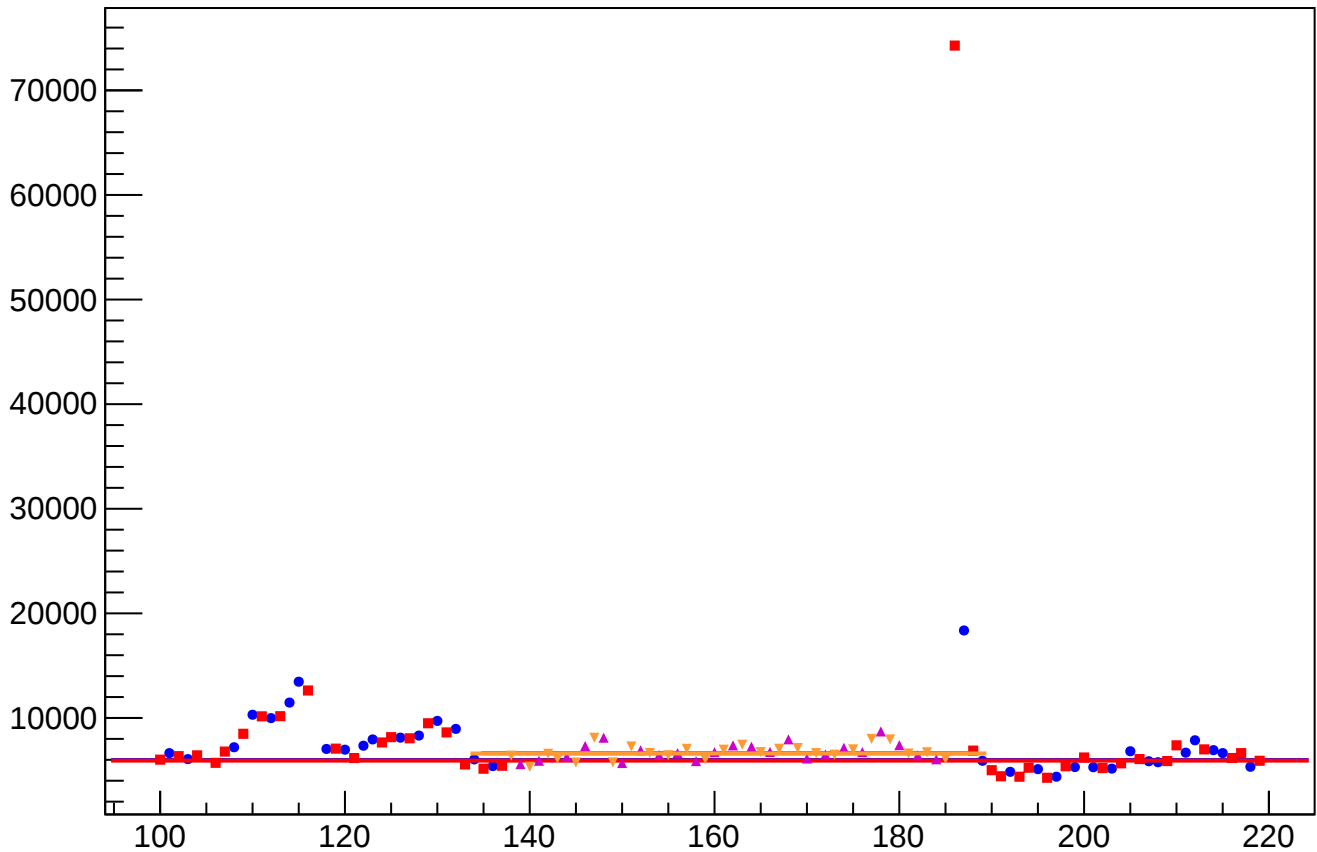
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.466 ± 1.057 χ^2/NDF : 49.4/57

All: 3.466 ± 0.744 χ^2/NDF : 161.8/117

- sign 4.451 ± 1.049 χ^2/NDF : 110.6/59

diff_bpm4eY_rms vs Slug



Right In: 5972.915+/-1.021 χ^2/NDF : 1663380.0/32

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 5926.595+/-0.982 χ^2/NDF : 2254524.7/36

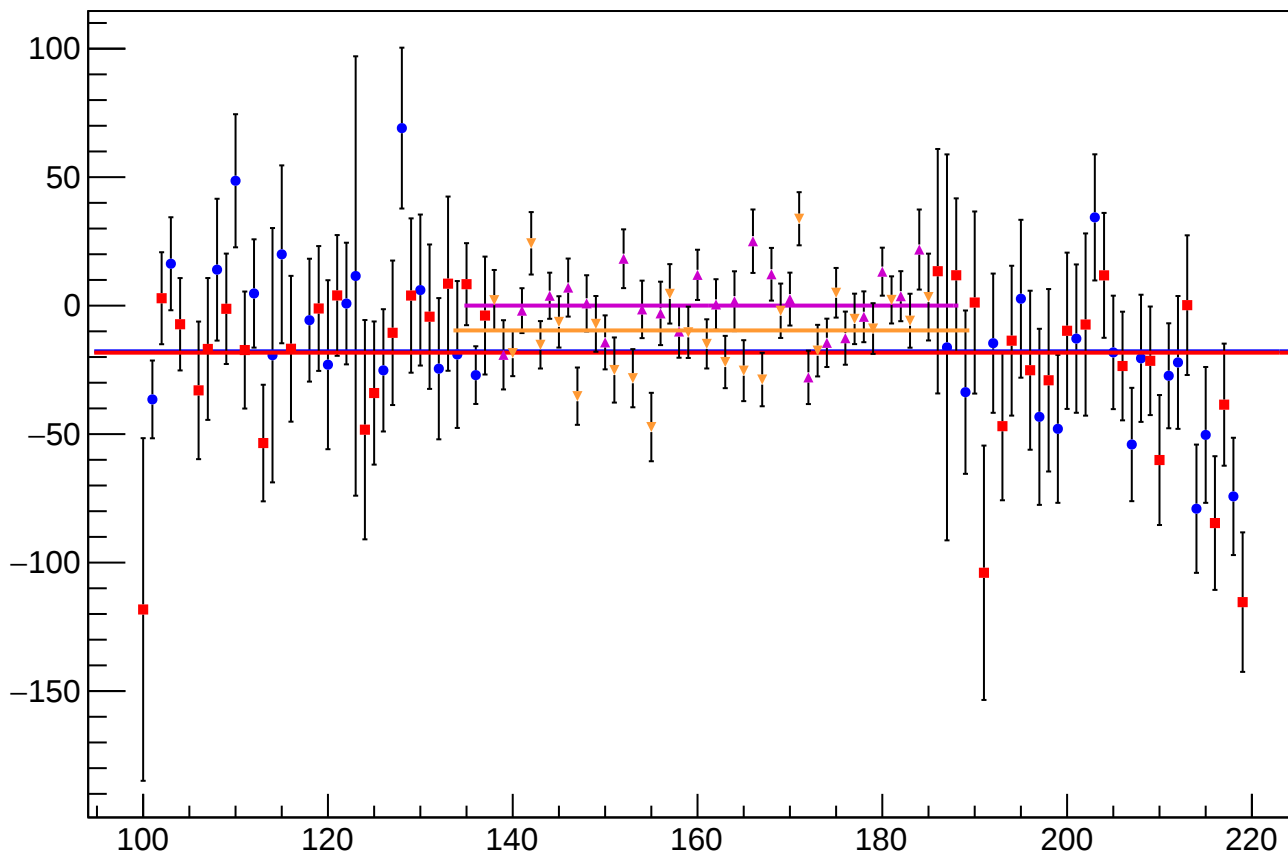
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6267.454+/-0.747 χ^2/NDF : 2241005.4/57

All: 6247.801+/-0.526 χ^2/NDF : 5146937.3/11

- sign 6228.447+/-0.741 χ^2/NDF : 2904558.5/59

diff_bpm4acX_mean vs Slug



Right In: -17.782 ± 4.232 χ^2/NDF : 49.0/32

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -18.302 ± 4.277 χ^2/NDF : 45.2/36

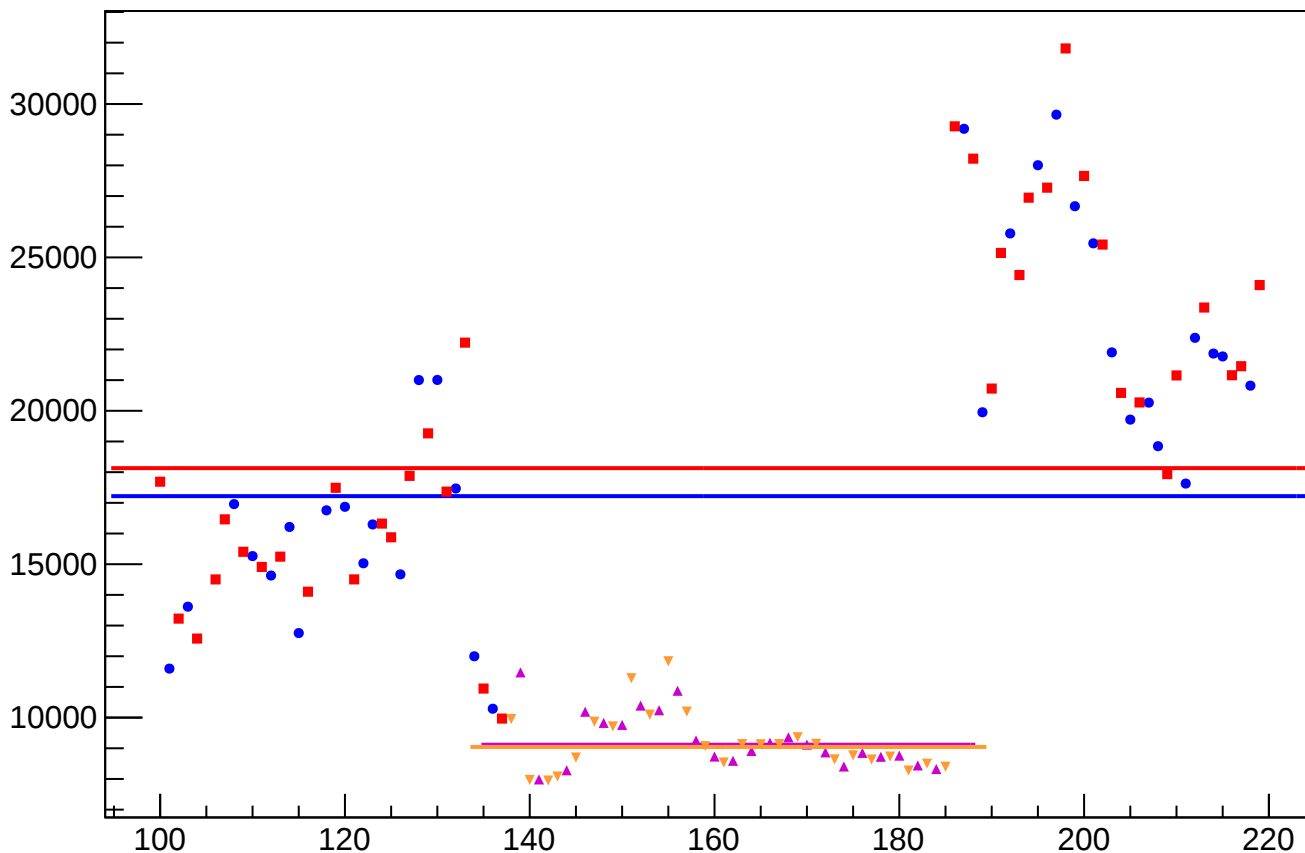
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -11.278 ± 1.894 χ^2/NDF : 111.8/57

All: -7.645 ± 1.359 χ^2/NDF : 209.7/117

- sign -3.791 ± 1.951 χ^2/NDF : 90.3/59

diff_bpm4acX_rms vs Slug



Right In: 17218.720 $\pm$ 2.992 χ^2 /NDF: 2921560.4/32

+ sign 10681.355 $\pm$ 1.339 χ^2 /NDF: 9218229.6/57

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF: 328192.2/24

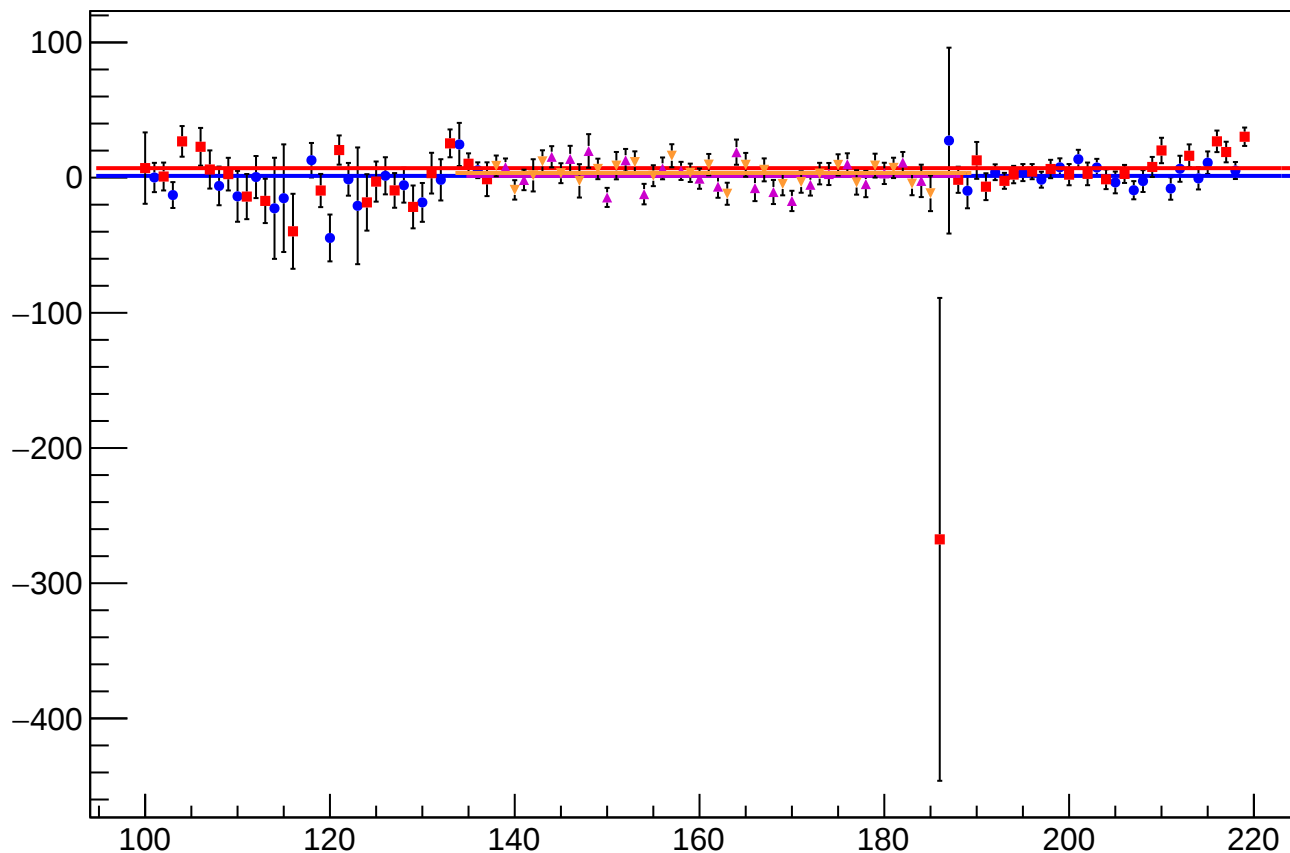
Right Out: 18131.521 $\pm$ 3.025 χ^2 /NDF: 3012606.7/36

All: 10832.091 $\pm$ 0.961 χ^2 /NDF: 19570246.1

- sign 10991.963 $\pm$ 1.379 χ^2 /NDF: 10325918.2/59

Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF: 277594.8/22

diff_bpm4acY_mean vs Slug



Right In: 1.285 ± 1.595 χ^2/NDF : 29.6/32

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 7.012 ± 1.551 χ^2/NDF : 59.8/36

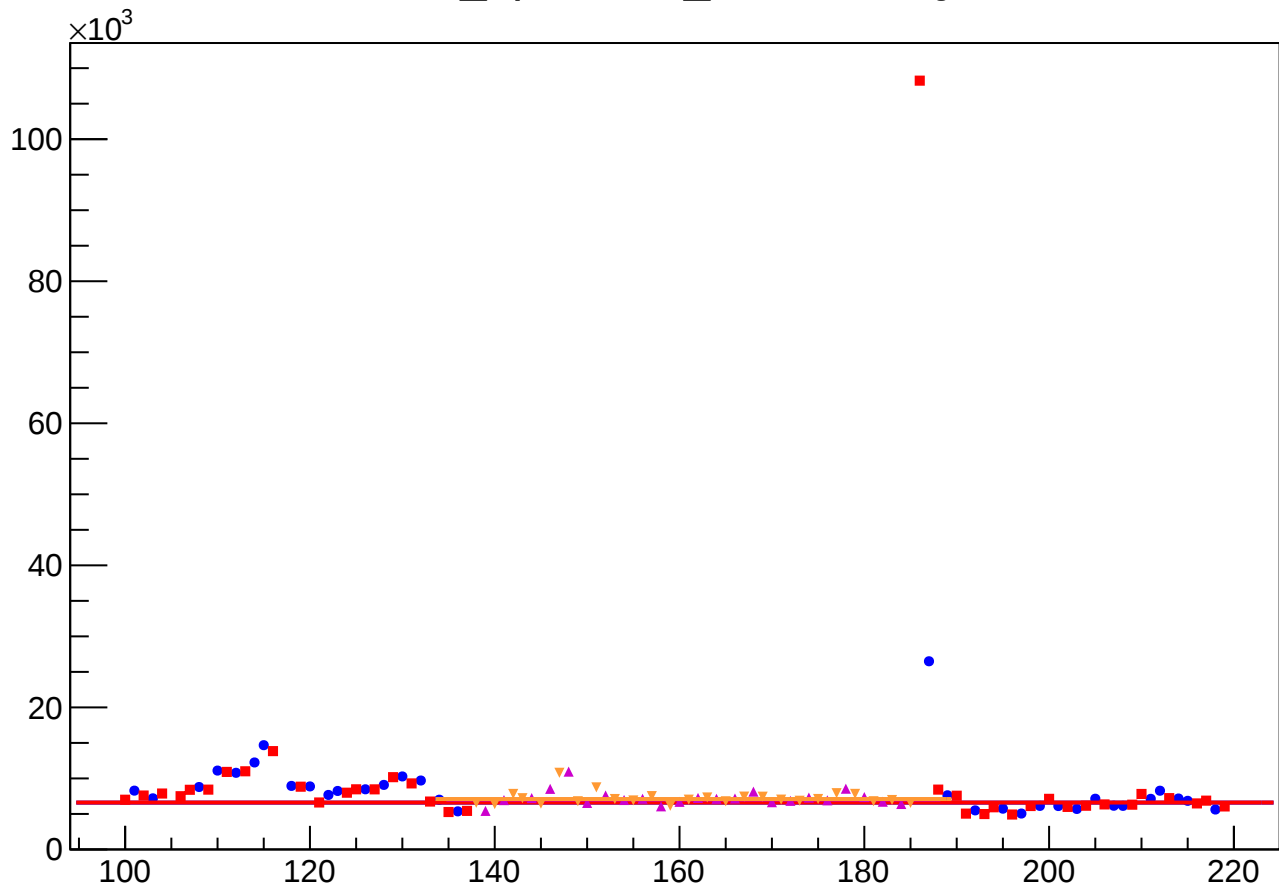
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.315 ± 1.152 χ^2/NDF : 49.4/57

All: 3.371 ± 0.812 χ^2/NDF : 153.5/117

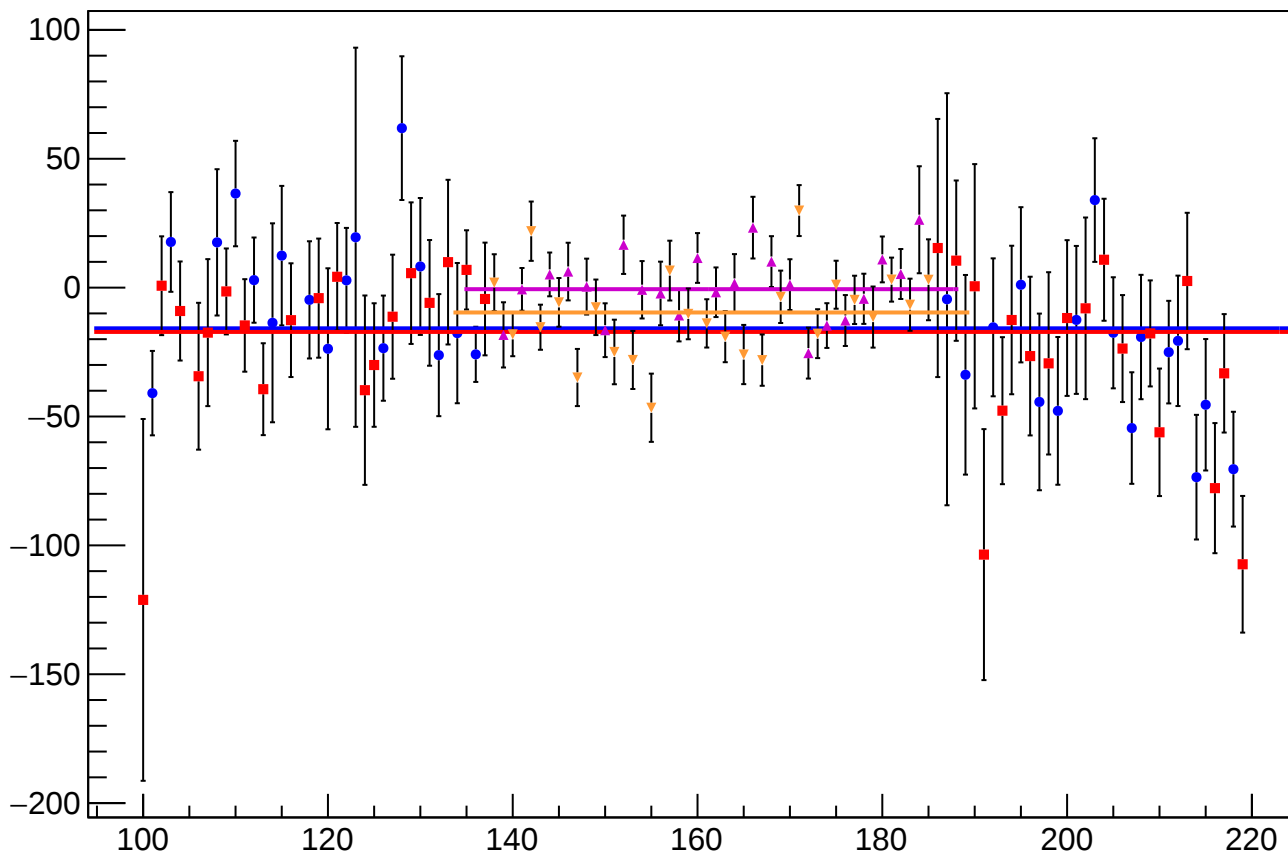
- sign 4.415 ± 1.146 χ^2/NDF : 102.5/59

diff_bpm4acY_rms vs Slug



Right In: 6591.501 $\pm$ 1.128	χ^2/NDF : 1664562.2/32	+ sign 6833.993 $\pm$ 0.815	χ^2/NDF : 2143861.0/57
Left Out: 7098.726 $\pm$ 1.178	χ^2/NDF : 382550.4/24	All: 6816.830 $\pm$ 0.574	χ^2/NDF : 4925734.9/11
Right Out: 6605.515 $\pm$ 1.096	χ^2/NDF : 2170731.0/36	- sign 6799.848 $\pm$ 0.810	χ^2/NDF : 2780990.6/59
Left In: 7033.702 $\pm$ 1.203	χ^2/NDF : 541035.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -15.785 ± 4.018 χ^2/NDF : 50.2/32

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -17.184 ± 4.029 χ^2/NDF : 41.0/36

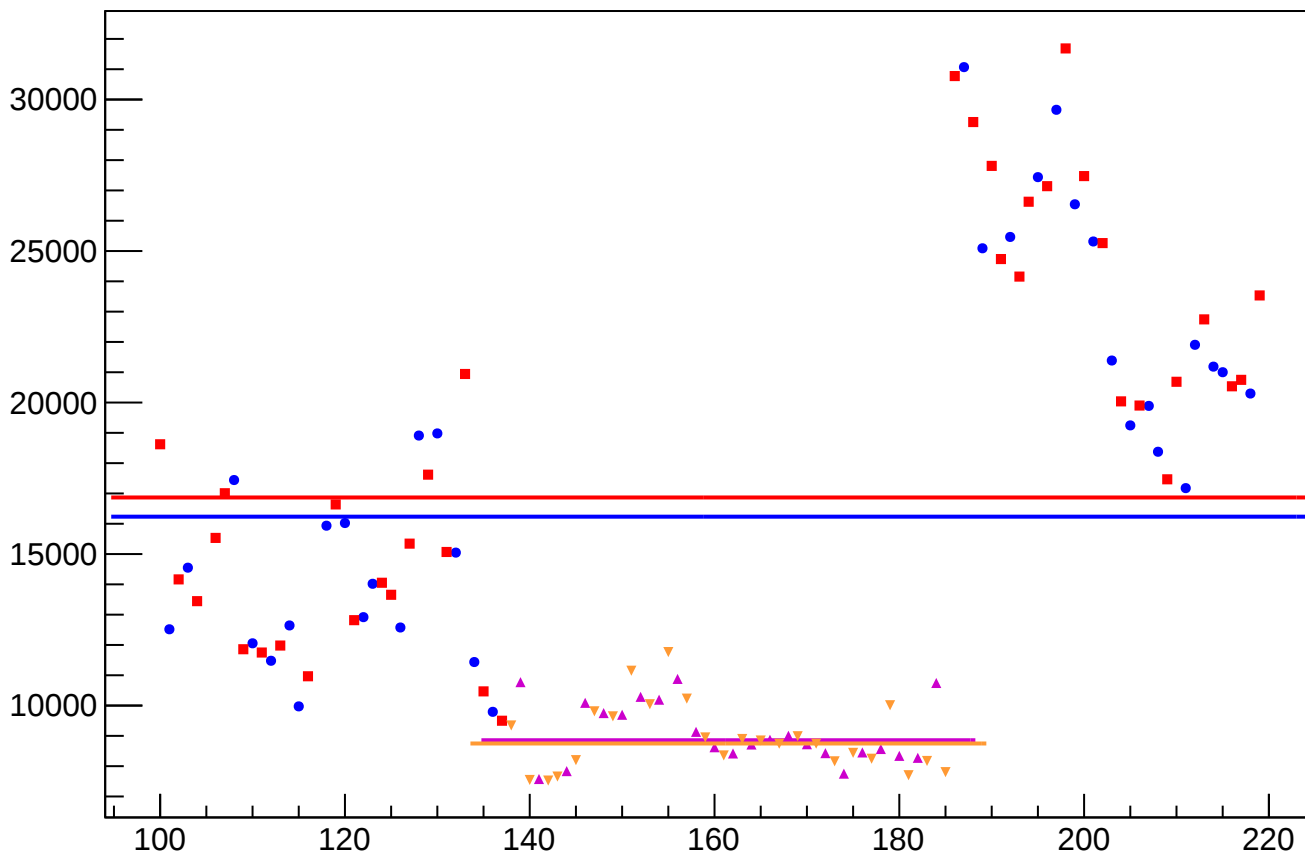
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -10.917 ± 1.831 χ^2/NDF : 109.7/57

All: -7.675 ± 1.314 χ^2/NDF : 200.0/117

- sign -4.235 ± 1.887 χ^2/NDF : 83.8/59

diff_bpm4ecX_rms vs Slug



Right In: 16233.852 $\pm$ 2.841 χ^2 /NDF: 3429310.0/32

Left Out: 8748.407 $\pm$ 1.455 χ^2 /NDF:463394.1/24

Right Out: 16867.211 $\pm$ 2.849 χ^2 /NDF: 3871617.8/36

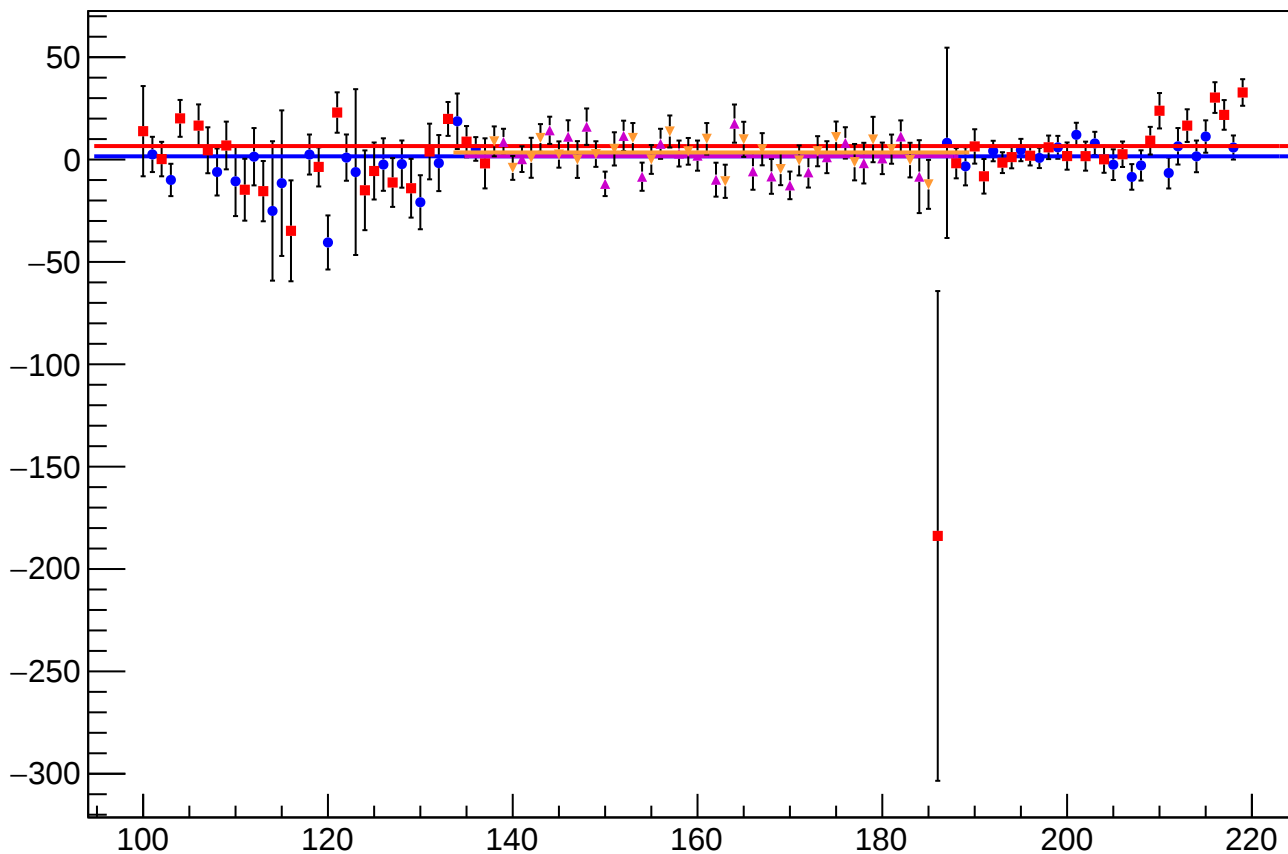
Left In: 8855.591 $\pm$ 1.510 χ^2 /NDF:367542.7/22

+ sign 10303.399 $\pm$ 1.295 χ^2 /NDF: 9393132.7/57

All: 10453.003 $\pm$ 0.929 χ^2 /NDF: 19833114.5

- sign 10611.799 $\pm$ 1.334 χ^2 /NDF: 10412462.4/59

diff_bpm4ecY_mean vs Slug



Right In: 1.577 ± 1.409 χ^2/NDF : 31.9/32

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 6.587 ± 1.355 χ^2/NDF : 74.4/36

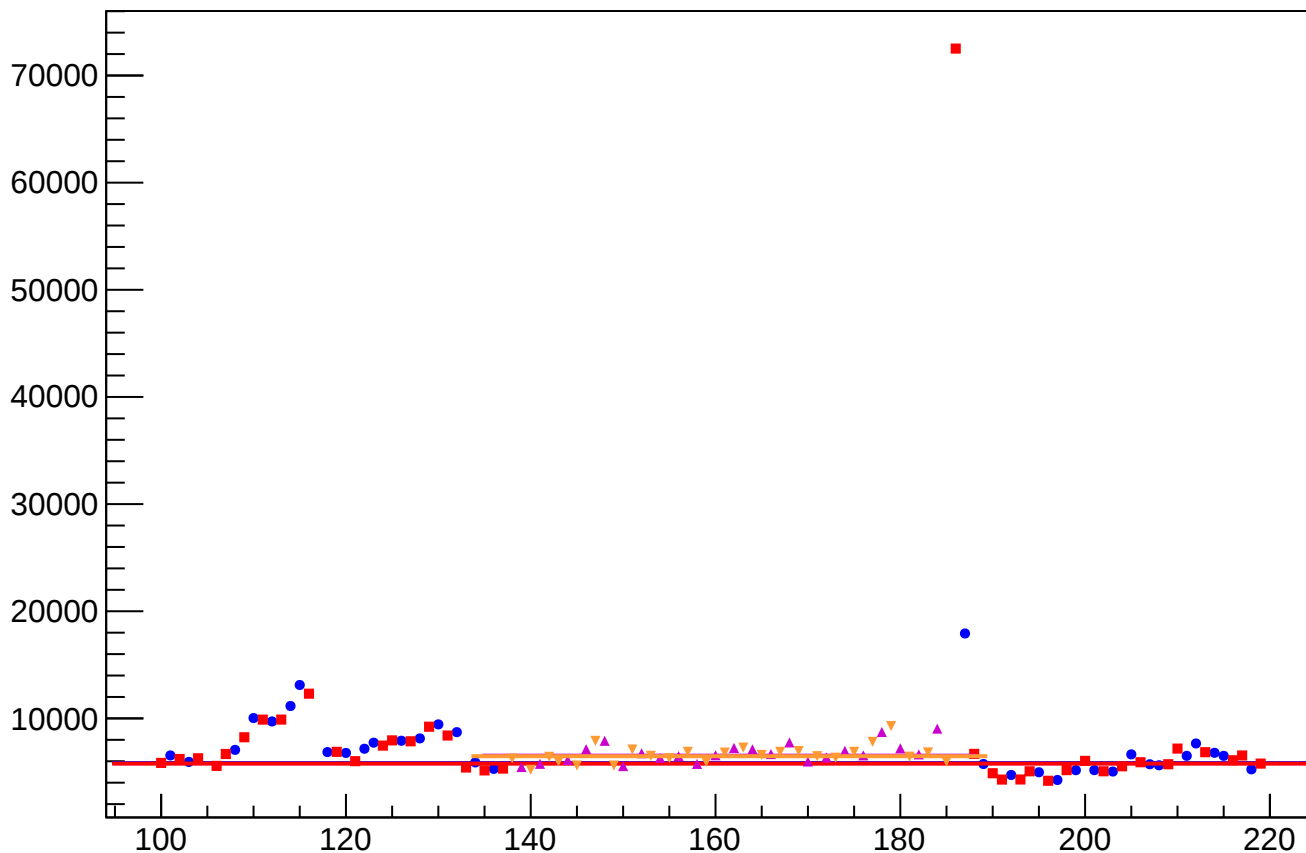
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.451 ± 1.035 χ^2/NDF : 48.4/57

All: 3.475 ± 0.729 χ^2/NDF : 164.2/117

- sign 4.486 ± 1.028 χ^2/NDF : 113.8/59

diff_bpm4ecY_rms vs Slug



Right In: 5827.797 $\pm$ 0.997 χ^2 /NDF: 1668938.3/32

Left Out: 6471.976 $\pm$ 1.078 χ^2 /NDF: 490282.9/24

Right Out: 5781.141 $\pm$ 0.958 χ^2 /NDF: 2250808.4/36

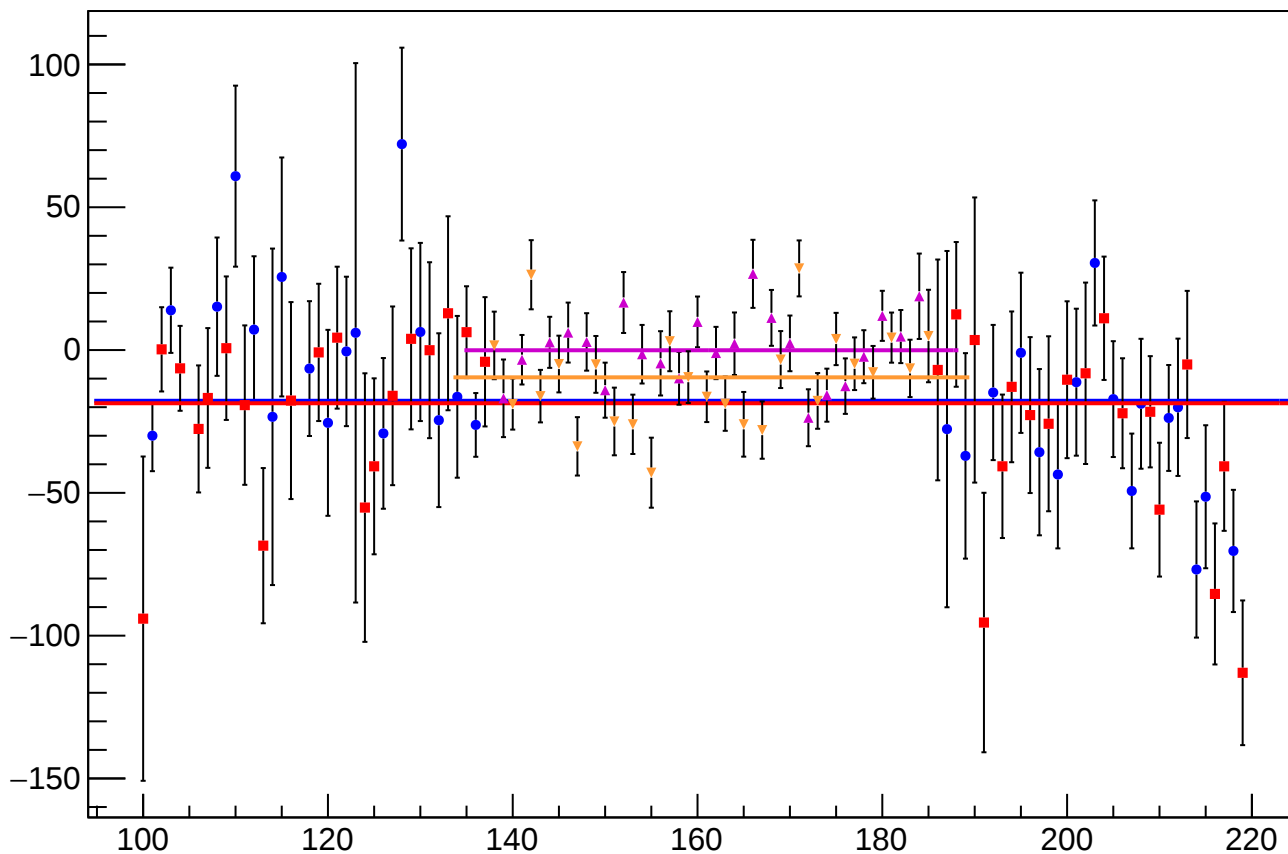
Left In: 6521.975 $\pm$ 1.116 χ^2 /NDF: 480034.7/22

+ sign 6124.669 $\pm$ 0.732 χ^2 /NDF: 2351800.6/57

All: 6110.050 $\pm$ 0.516 χ^2 /NDF: 5337167.4/11

- sign 6095.622 $\pm$ 0.727 χ^2 /NDF: 2984573.7/59

diff_bpm1X_mean vs Slug



Right In: -17.762 ± 4.035 $\chi^2/\text{NDF}: 48.3/32$

Left Out: -9.554 ± 2.012 $\chi^2/\text{NDF}: 59.5/24$

Right Out: -18.628 ± 4.095 $\chi^2/\text{NDF}: 47.9/36$

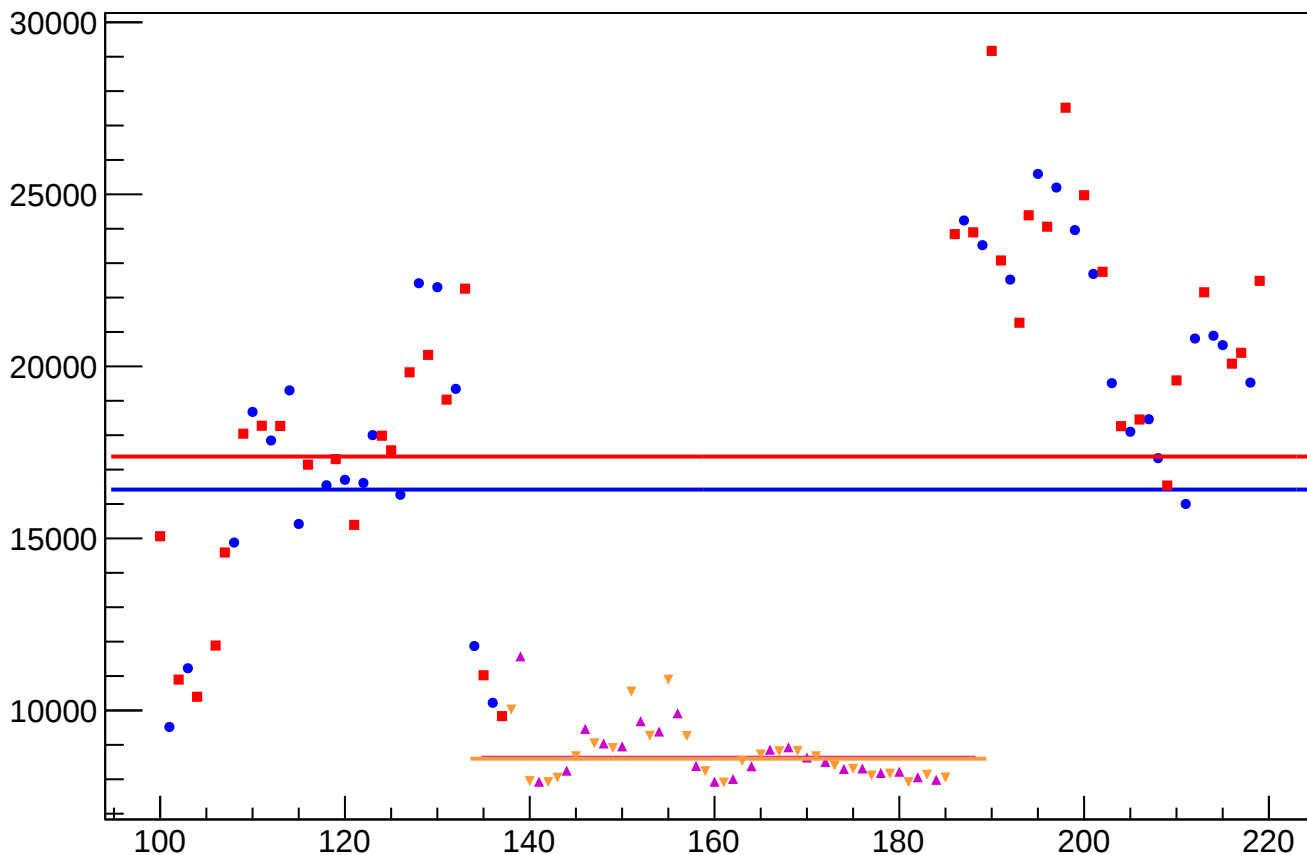
Left In: -0.072 ± 2.073 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.188 ± 1.800 $\chi^2/\text{NDF}: 111.2/57$

All: -7.621 ± 1.290 $\chi^2/\text{NDF}: 213.4/117$

- sign -3.856 ± 1.849 $\chi^2/\text{NDF}: 94.1/59$

diff_bpm1X_rms vs Slug



Right In: 16419.670 $\pm$ 2.853 χ^2 /NDF: 2952290.8/32

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 17379.358 $\pm$ 2.896 χ^2 /NDF: 2919265.7/36

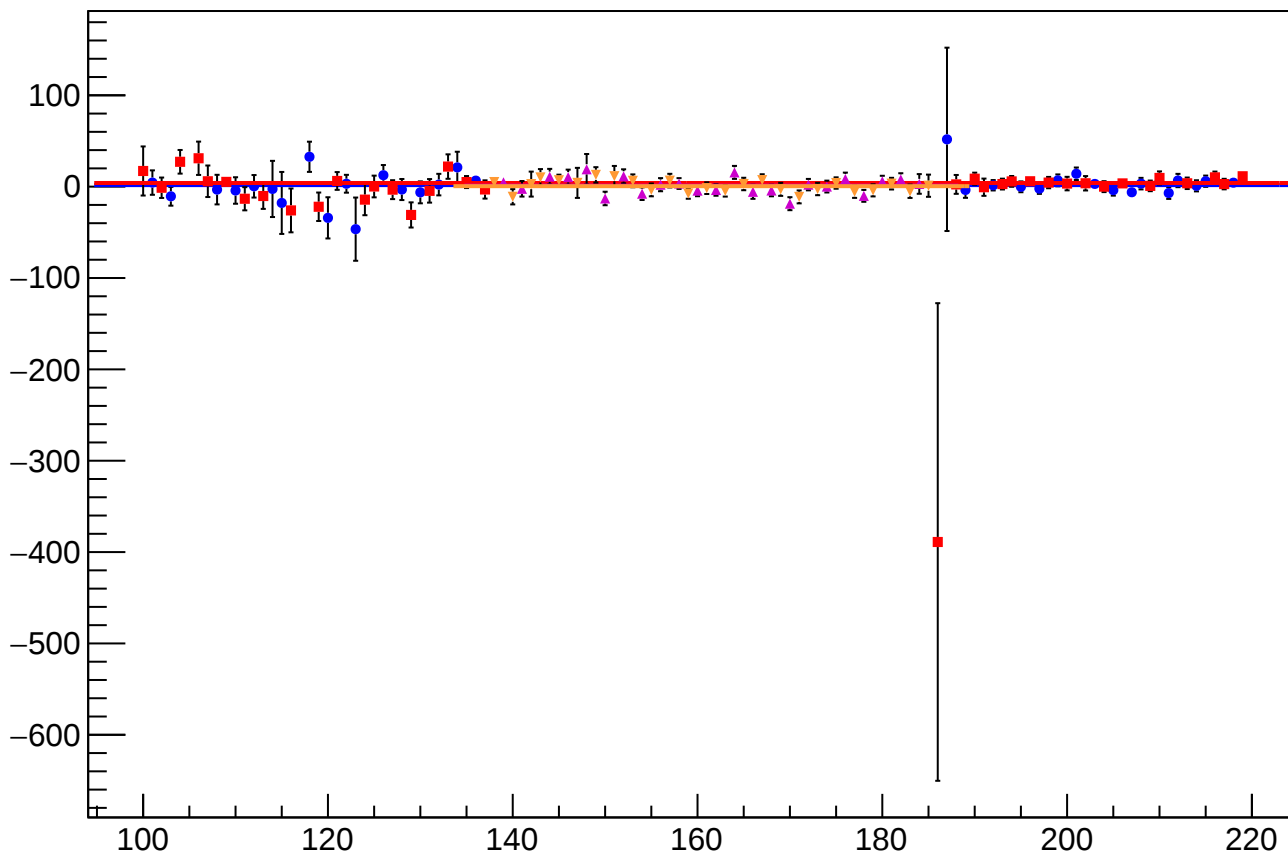
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 10156.182 $\pm$ 1.273 χ^2 /NDF: 9219560.6/57

All: 10279.973 $\pm$ 0.912 χ^2 /NDF: 19671372.0

- sign 10410.588 $\pm$ 1.308 χ^2 /NDF: 10432379.3/59

diff_bpm1Y_mean vs Slug



Right In: 1.688 $\pm$ 1.371 χ^2 /NDF: 25.5/32

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 4.014 $\pm$ 1.292 χ^2 /NDF: 32.0/36

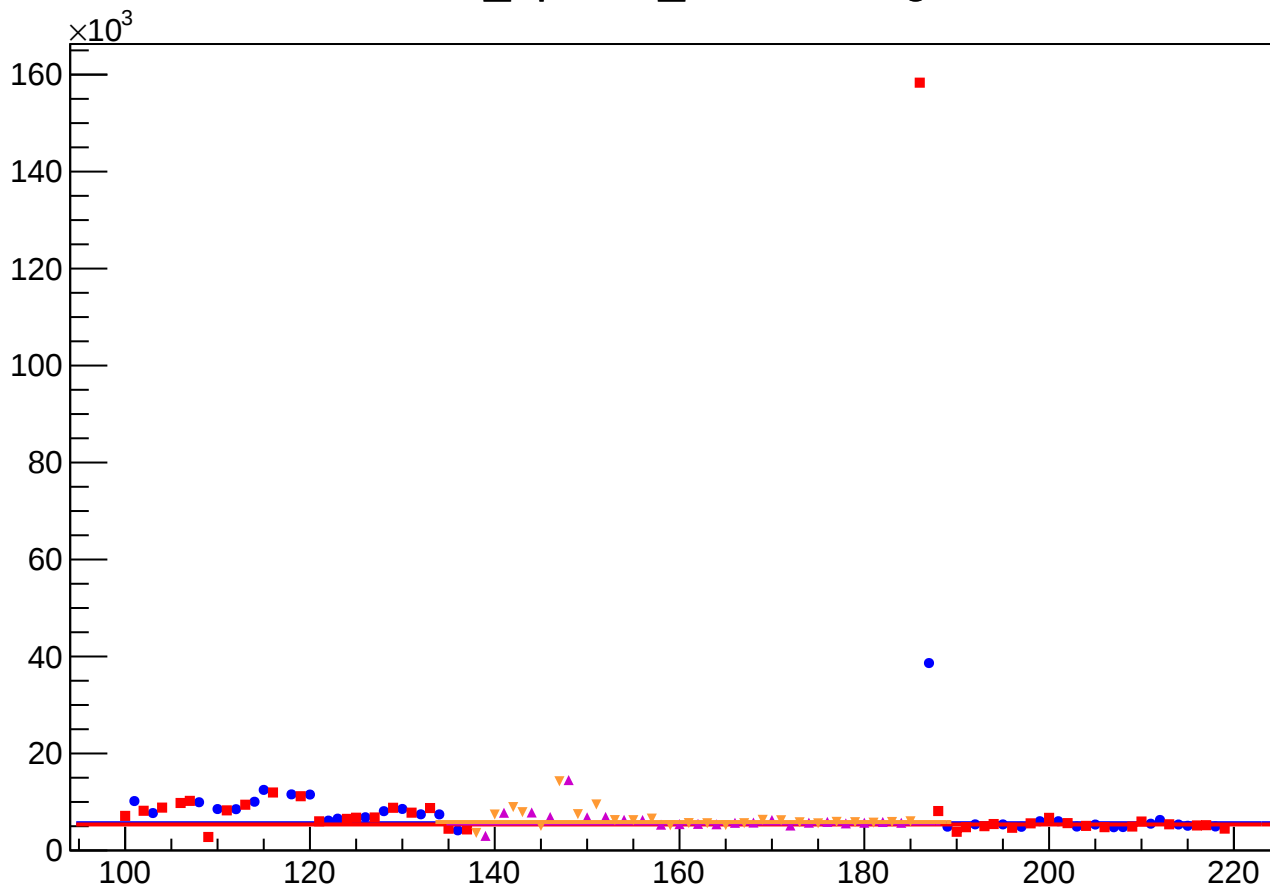
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.128 $\pm$ 0.985 χ^2 /NDF: 45.3/57

All: 1.916 $\pm$ 0.683 χ^2 /NDF: 113.5/117

- sign 2.646 $\pm$ 0.948 χ^2 /NDF: 66.9/59

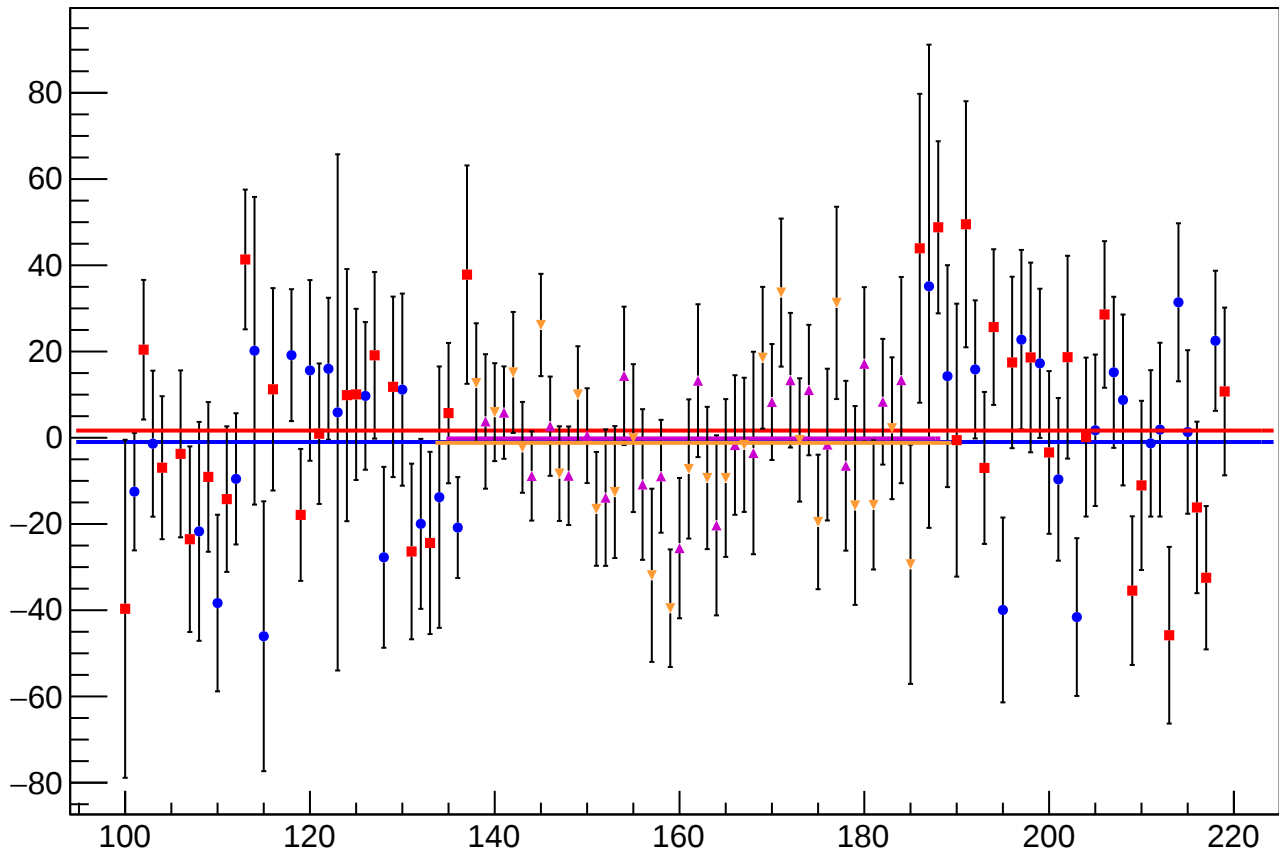
diff_bpm1Y_rms vs Slug



Right In: 5622.899 ± 0.969 χ^2/NDF : 2169161.6/32
 Left Out: 5860.605 ± 1.002 χ^2/NDF : 1690049.2/24
 Right Out: 5359.746 ± 0.914 χ^2/NDF : 3529901.3/36
 Left In: 5571.330 ± 0.987 χ^2/NDF : 2162788.3/22

+ sign 5737.770 ± 0.697 χ^2/NDF : 3888269.4/57
 All: 5592.168 ± 0.483 χ^2/NDF : 9689782.5/11
 - sign 5457.402 ± 0.670 χ^2/NDF : 5717444.0/59

diff_bpm11X_mean vs Slug



Right In: -0.985 ± 3.297 $\chi^2/\text{NDF}: 36.3/32$

Left Out: -1.182 ± 2.939 $\chi^2/\text{NDF}: 33.7/24$

Right Out: 1.667 ± 3.217 $\chi^2/\text{NDF}: 51.9/36$

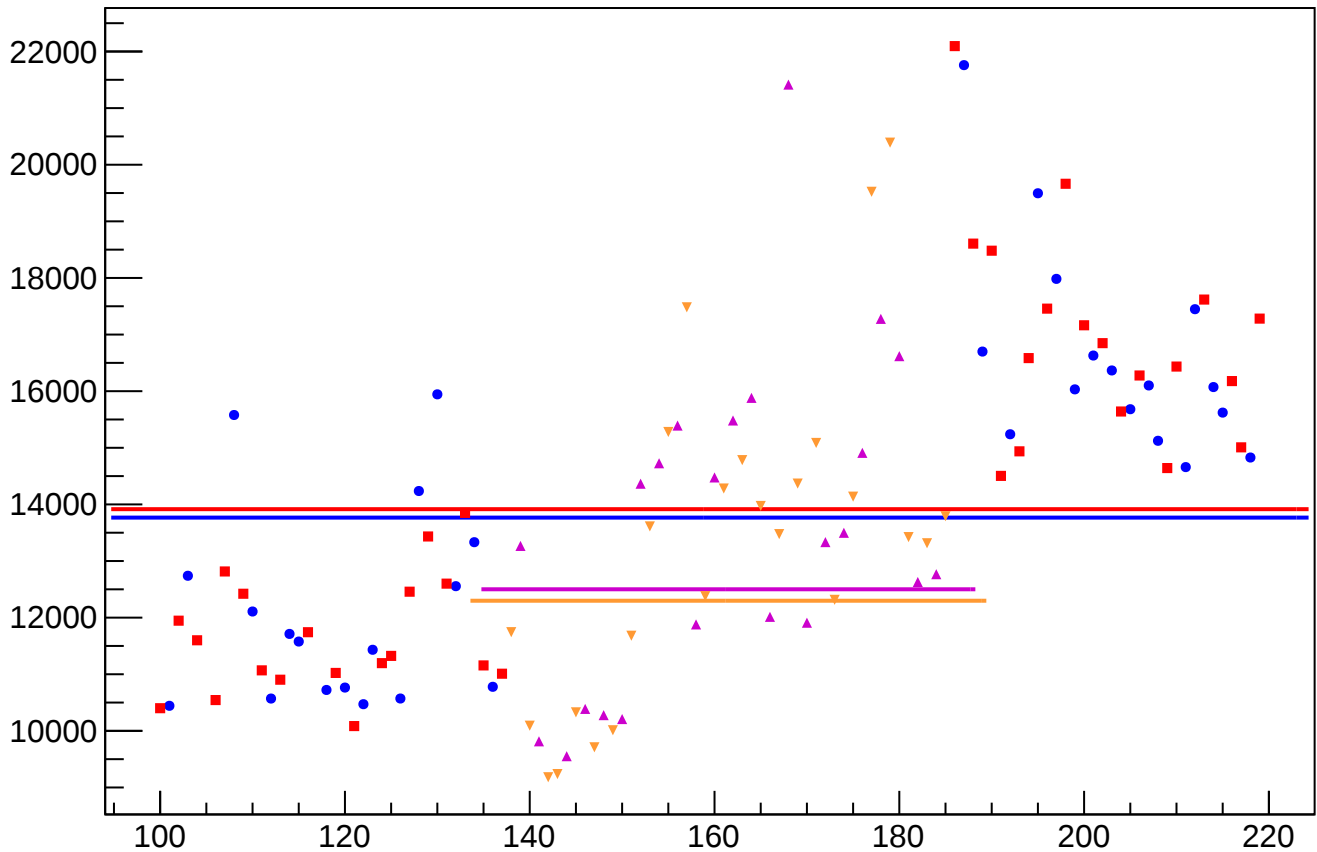
Left In: -0.157 ± 3.058 $\chi^2/\text{NDF}: 11.5/22$

+ sign -1.095 ± 2.194 $\chi^2/\text{NDF}: 70.0/57$

All: -0.202 ± 1.559 $\chi^2/\text{NDF}: 133.8/117$

- sign 0.709 ± 2.216 $\chi^2/\text{NDF}: 63.5/59$

diff_bpm11X_rms vs Slug



Right In: 13766.972 $\pm$ 2.331 χ^2 /NDF: 1315326.8/32

Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF: 1506026.8/24

Right Out: 13915.941 $\pm$ 2.275 χ^2 /NDF: 1496893.4/36

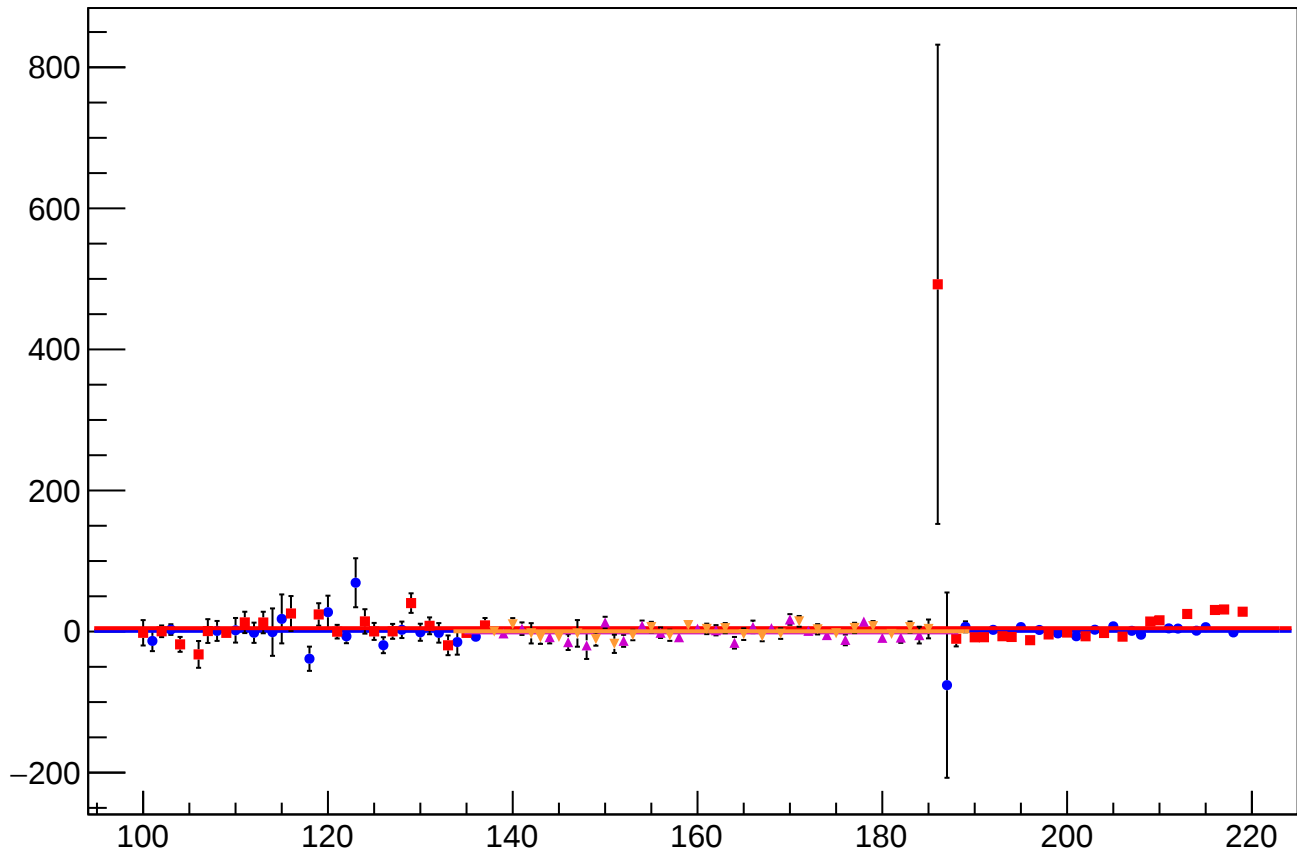
Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF: 1357889.1/22

+ sign 12948.731 $\pm$ 1.551 χ^2 /NDF: 3042377.4/57

All: 13059.476 $\pm$ 1.103 χ^2 /NDF: 6110757.2/100

- sign 13172.514 $\pm$ 1.567 χ^2 /NDF: 3058081.5/59

diff_bpm11Y_mean vs Slug



Right In: 1.012 ± 1.128 χ^2/NDF : 30.7/32

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 4.768 ± 1.108 χ^2/NDF : 179.7/36

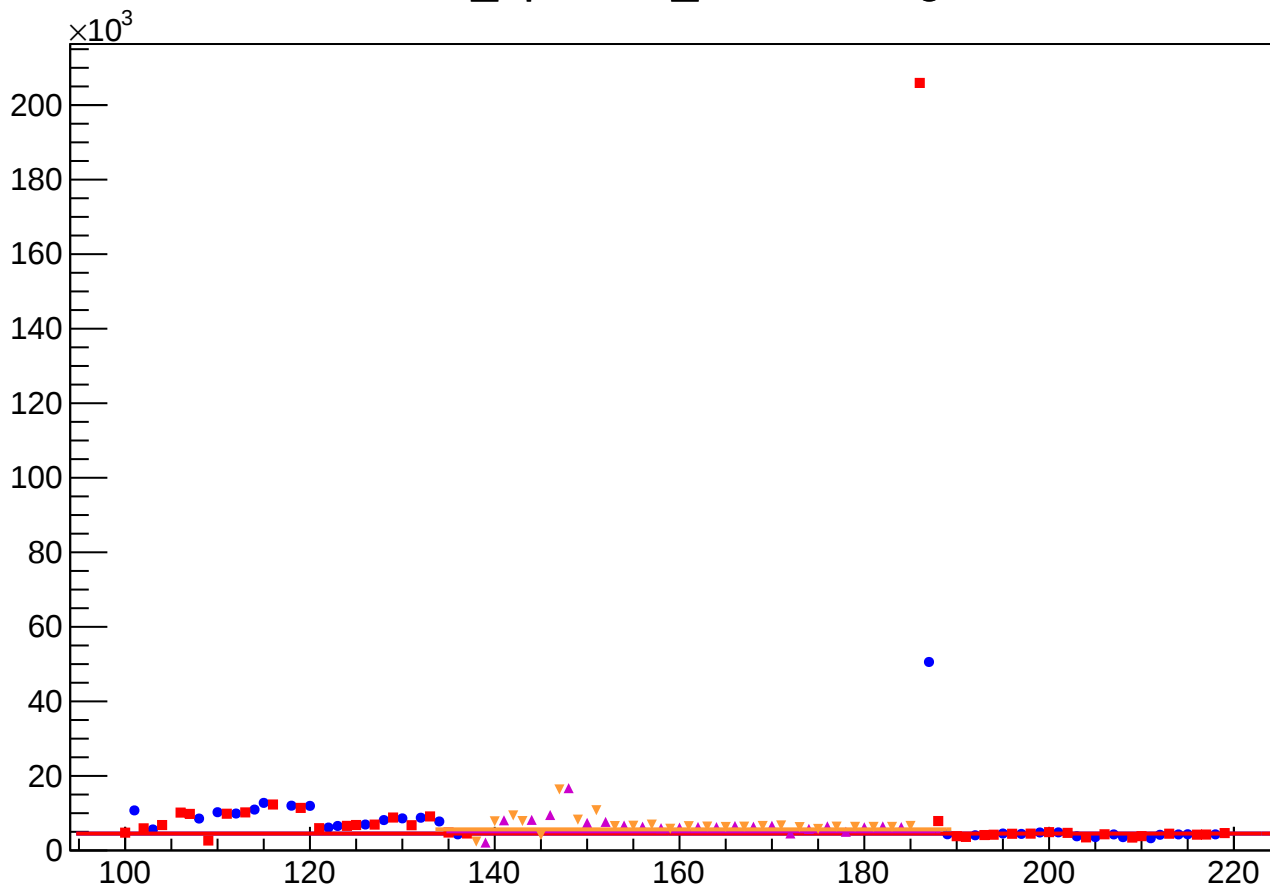
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.760 ± 0.886 χ^2/NDF : 49.9/57

All: 1.616 ± 0.618 χ^2/NDF : 276.4/117

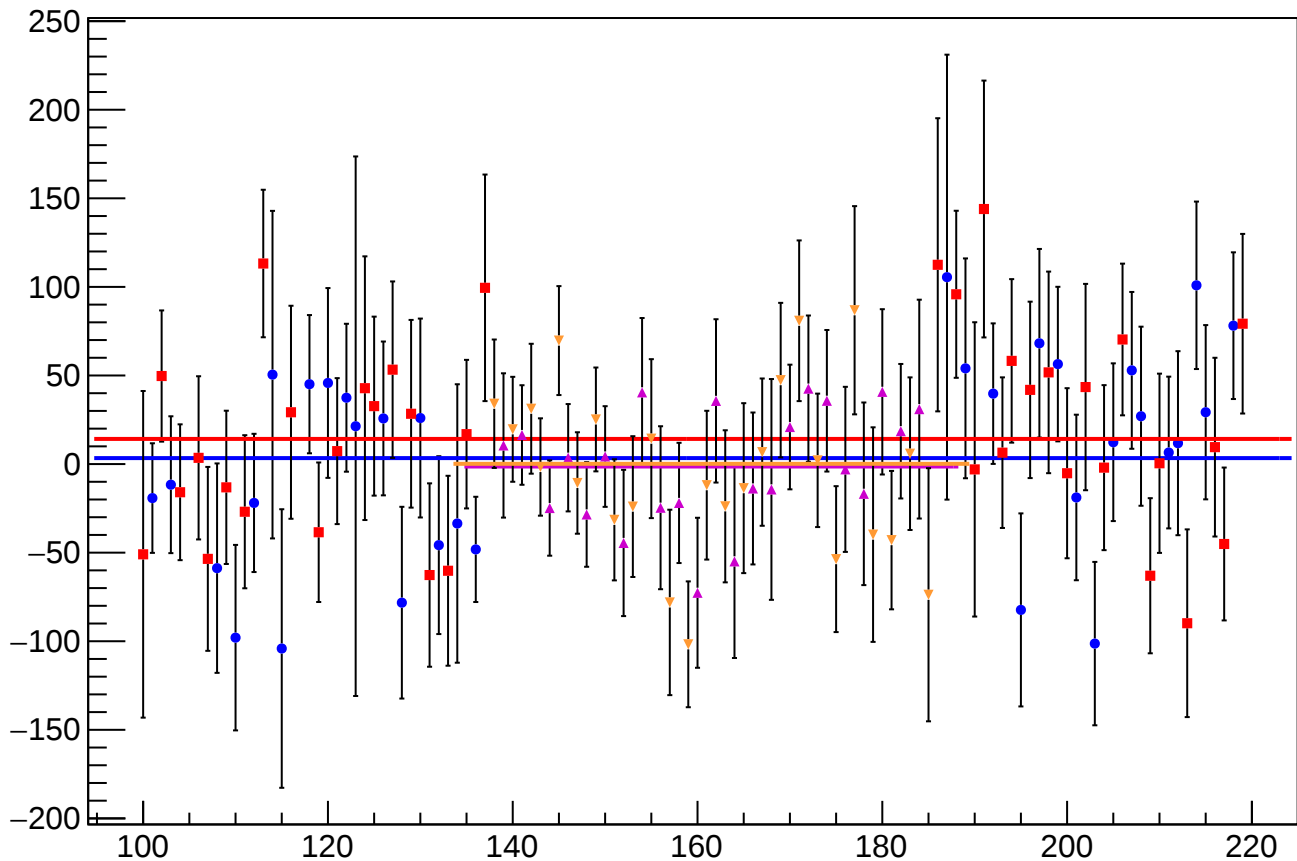
- sign 2.425 ± 0.862 χ^2/NDF : 224.6/59

diff_bpm11Y_rms vs Slug



Right In: 4525.179 ± 0.798 $\chi^2/\text{NDF}: 3448293.2/32$ + sign 4958.923 ± 0.627 $\chi^2/\text{NDF}: 8350319.3/57$
 Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$
 Right Out: 4531.239 ± 0.784 $\chi^2/\text{NDF}: 3974046.1/36$ All: 4862.239 ± 0.437 $\chi^2/\text{NDF}: 18102953.5/100$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$ - sign 4770.823 ± 0.609 $\chi^2/\text{NDF}: 9706340.8/59$

diff_bpm12X_mean vs Slug



Right In: 3.368 ± 8.254 $\chi^2/\text{NDF}: 39.8/32$

Left Out: 0.143 ± 7.683 $\chi^2/\text{NDF}: 31.3/24$

Right Out: 14.193 ± 8.062 $\chi^2/\text{NDF}: 41.7/36$

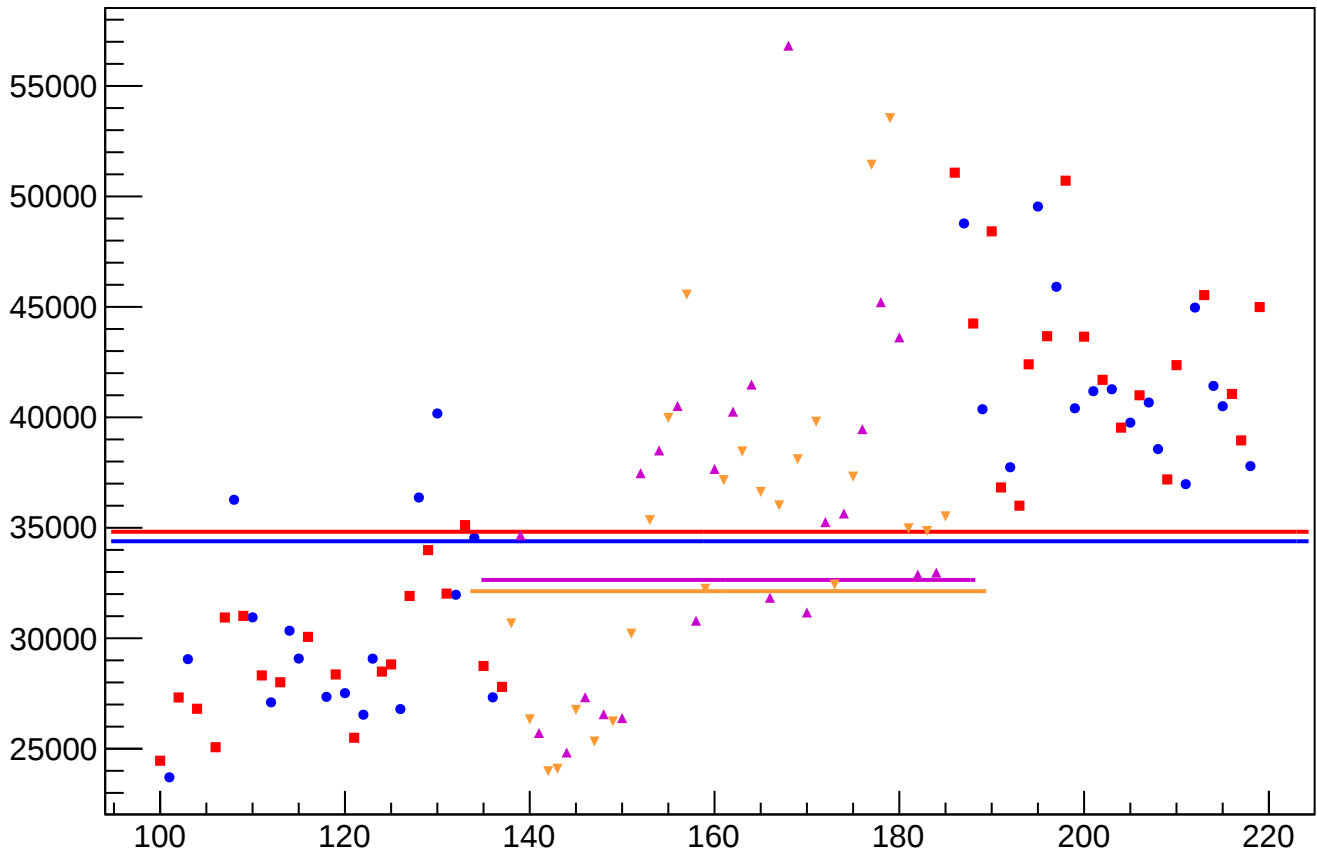
Left In: -1.374 ± 7.990 $\chi^2/\text{NDF}: 13.3/22$

+ sign 1.640 ± 5.624 $\chi^2/\text{NDF}: 71.1/57$

All: 3.969 ± 3.995 $\chi^2/\text{NDF}: 128.3/117$

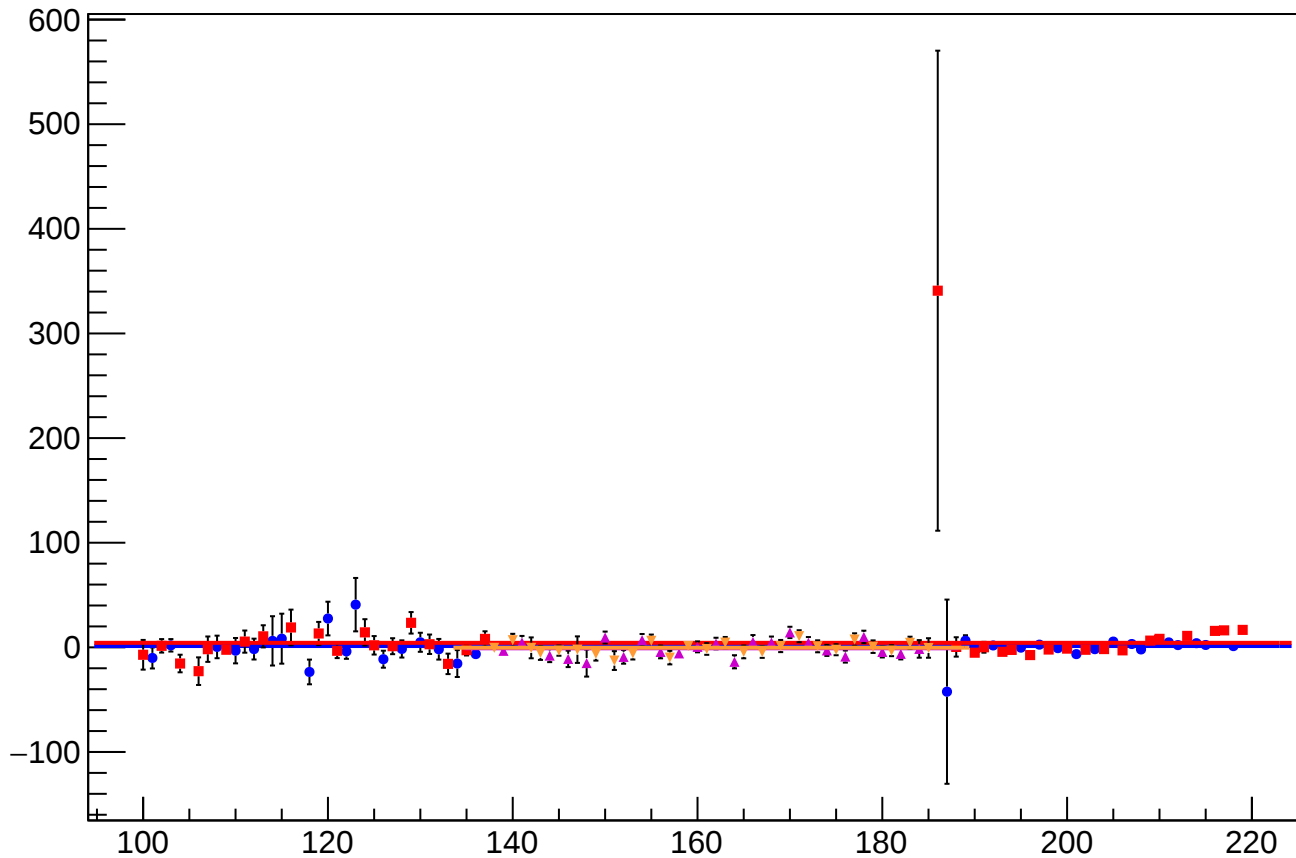
- sign 6.340 ± 5.675 $\chi^2/\text{NDF}: 56.9/59$

diff_bpm12X_rms vs Slug



Right In: 34390.922+/-5.837	χ^2/NDF : 1438879.7/32	+ sign 33180.804+/-3.977	χ^2/NDF : 3059190.3/57
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 33448.774+/-2.825	χ^2/NDF : 6151540.4/1
Right Out: 34821.569+/-5.701	χ^2/NDF : 1607222.4/36	- sign 33721.644+/-4.013	χ^2/NDF : 3083185.7/59
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: 1.261 ± 0.650 χ^2/NDF : 40.2/32

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 4.315 ± 0.655 χ^2/NDF : 170.2/36

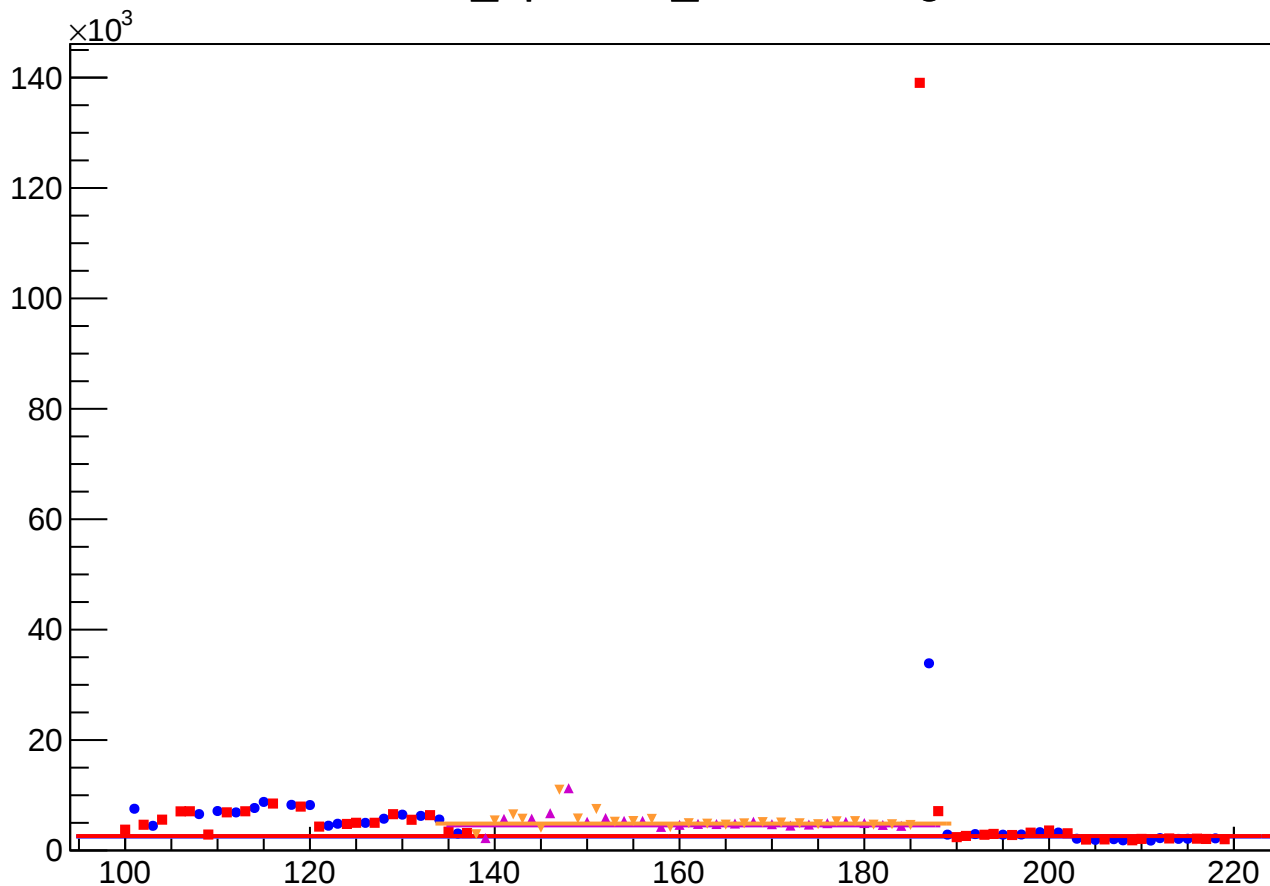
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 0.891 ± 0.568 χ^2/NDF : 59.3/57

All: 1.956 ± 0.402 χ^2/NDF : 288.4/117

- sign 3.021 ± 0.569 χ^2/NDF : 222.1/59

diff_bpm12Y_rms vs Slug



Right In: 2522.922 ± 0.460 χ^2/NDF : 5544220.2/32

Left Out: 4868.567 ± 0.829 χ^2/NDF : 1511151.0/24

Right Out: 2606.576 ± 0.464 χ^2/NDF : 6206584.5/36

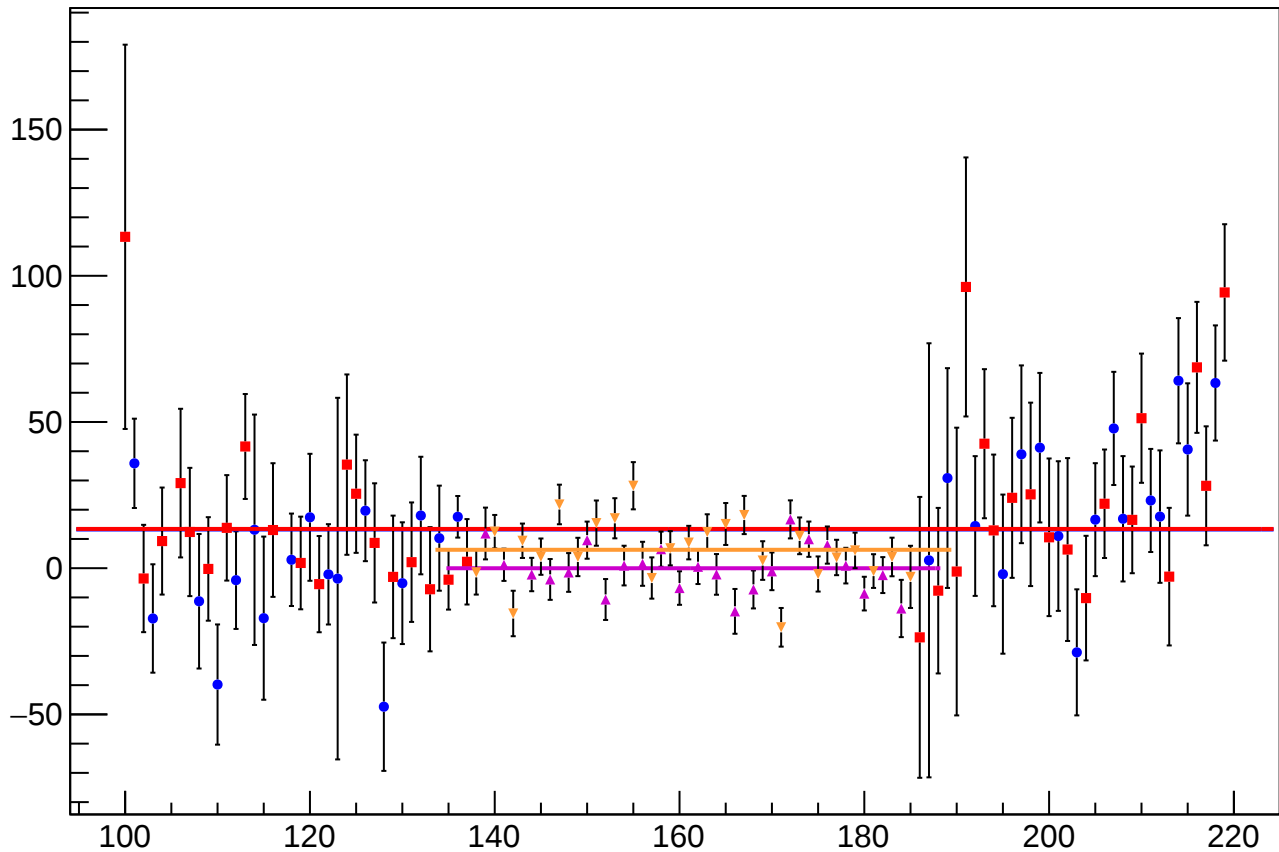
Left In: 4544.337 ± 0.808 χ^2/NDF : 2634314.4/22

+ sign 3074.929 ± 0.402 χ^2/NDF : 13184652.3/57

All: 3080.795 ± 0.284 χ^2/NDF : 26356262.4/100

- sign 3086.664 ± 0.402 χ^2/NDF : 13171183.9/59

diff_bpm16X_mean vs Slug



Right In: 13.237 ± 3.342 $\chi^2/\text{NDF}: 48.7/32$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 13.430 ± 3.442 $\chi^2/\text{NDF}: 44.7/36$

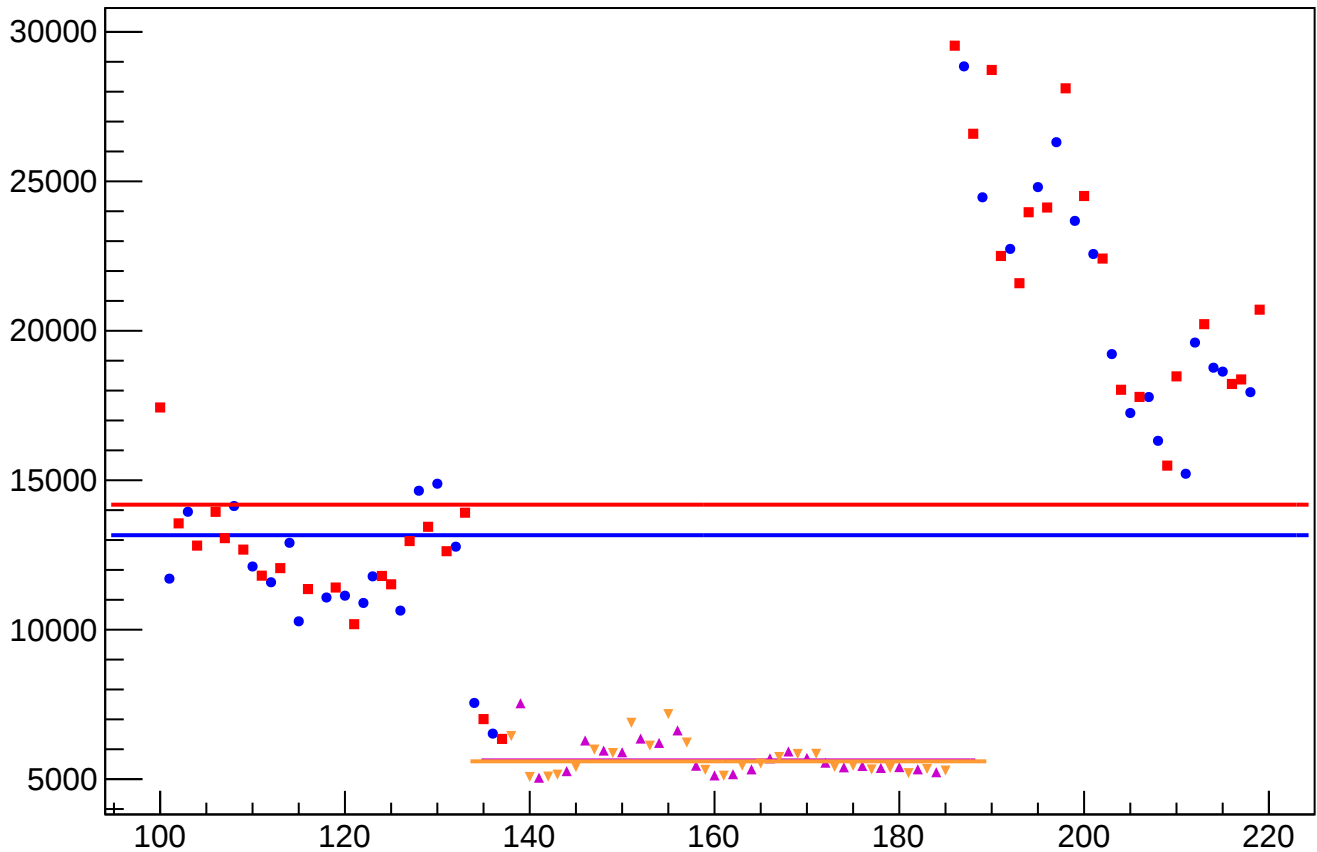
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 7.220 ± 1.220 $\chi^2/\text{NDF}: 109.0/57$

All: 4.587 ± 0.876 $\chi^2/\text{NDF}: 206.5/117$

- sign 1.780 ± 1.259 $\chi^2/\text{NDF}: 87.9/59$

diff_bpm16X_rms vs Slug



Right In: 13161.526+/-2.363 χ^2/NDF : 5067569.2/32

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 14182.719+/-2.434 χ^2/NDF : 4982562.7/36

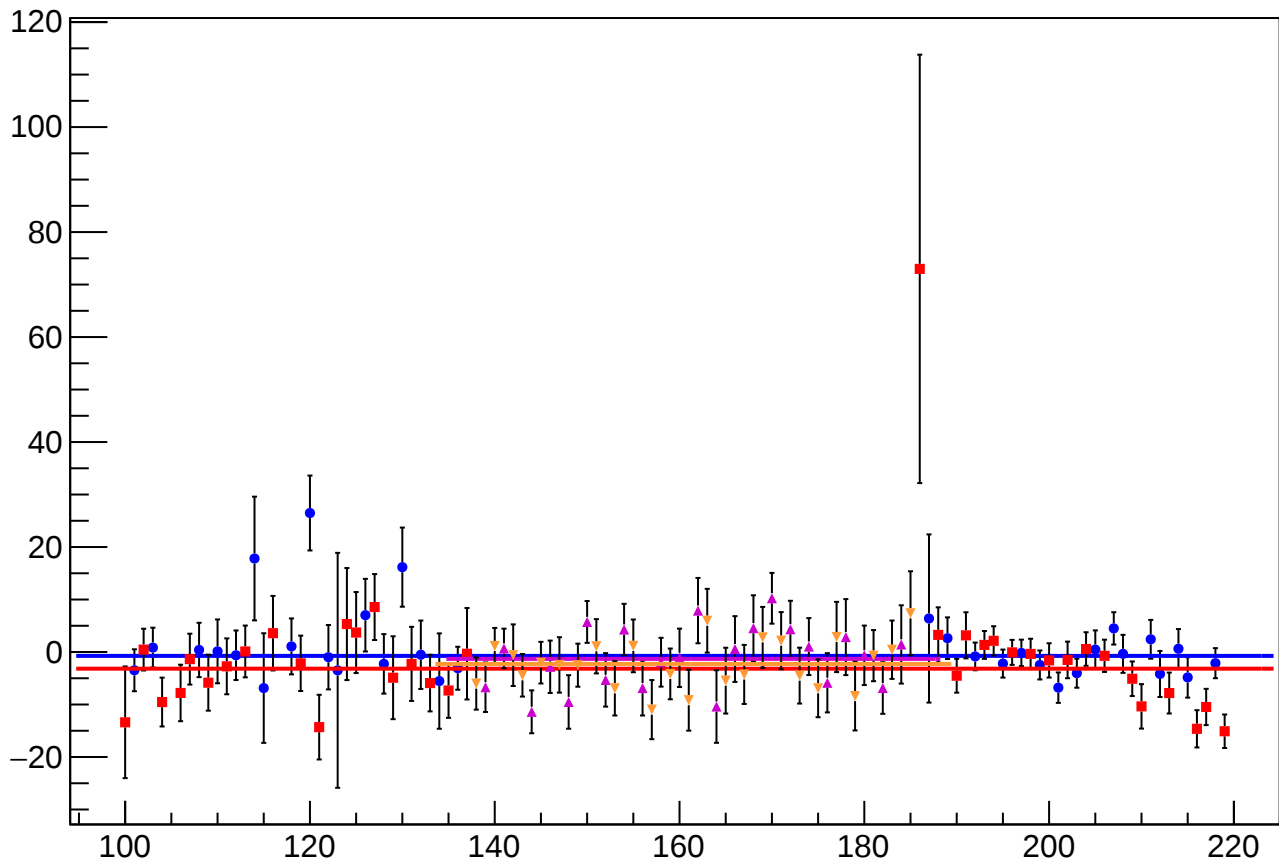
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6603.971+/-0.863 χ^2/NDF : 14232791.0/57

All: 6685.611+/-0.620 χ^2/NDF : 30217402.4/100

- sign 6772.615+/-0.890 χ^2/NDF : 15966105.4/59

diff_bpm16Y_mean vs Slug



Right In: -0.737 ± 0.701 χ^2/NDF : 38.5/32

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -3.176 ± 0.679 χ^2/NDF : 67.8/36

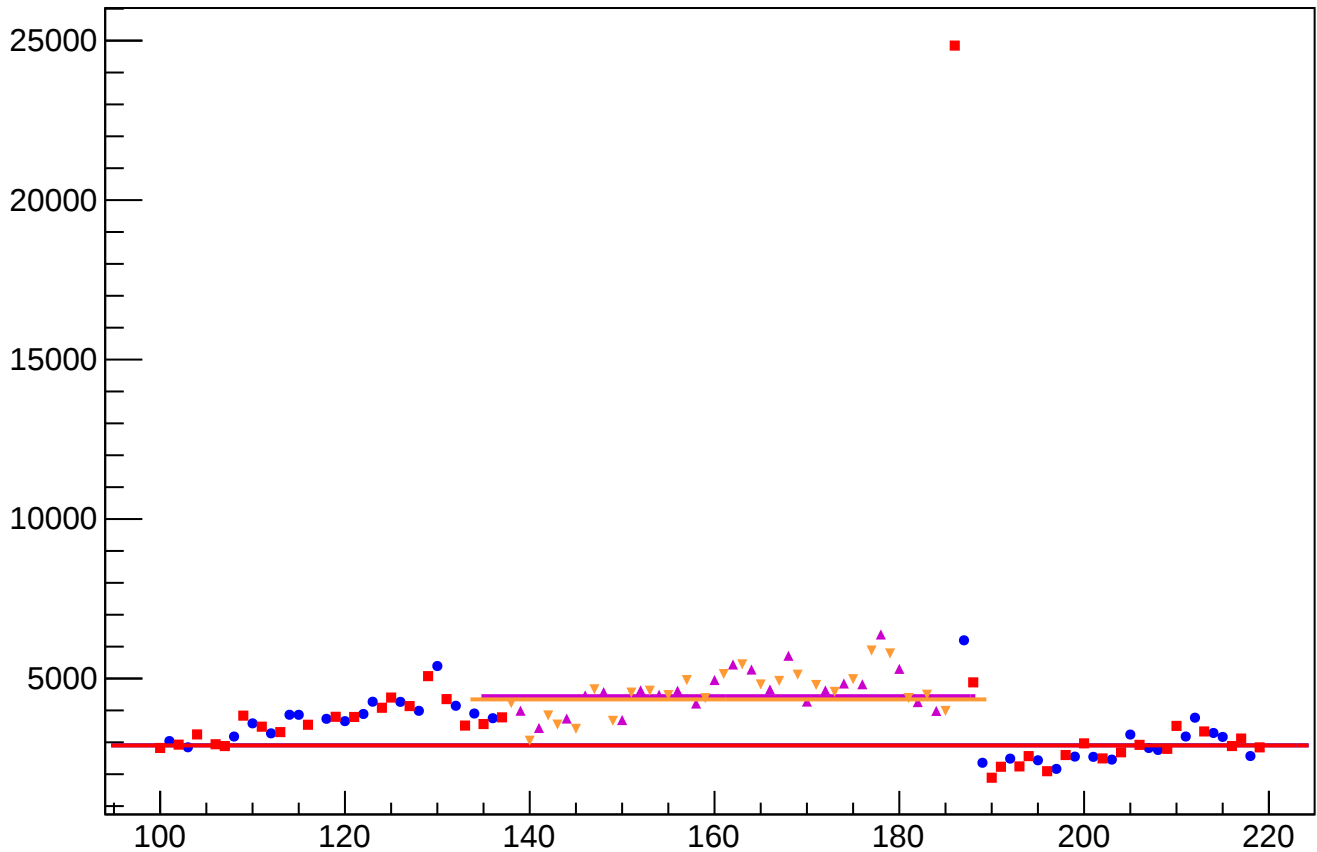
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.221 ± 0.579 χ^2/NDF : 55.4/57

All: -1.938 ± 0.408 χ^2/NDF : 159.2/117

- sign -2.643 ± 0.575 χ^2/NDF : 100.8/59

diff_bpm16Y_rms vs Slug



Right In: 2905.334+/-0.495 χ^2/NDF : 1448908.8/32

Left Out: 4345.381+/-0.728 χ^2/NDF : 1000636.1/24

Right Out: 2902.163+/-0.480 χ^2/NDF : 2347149.3/36

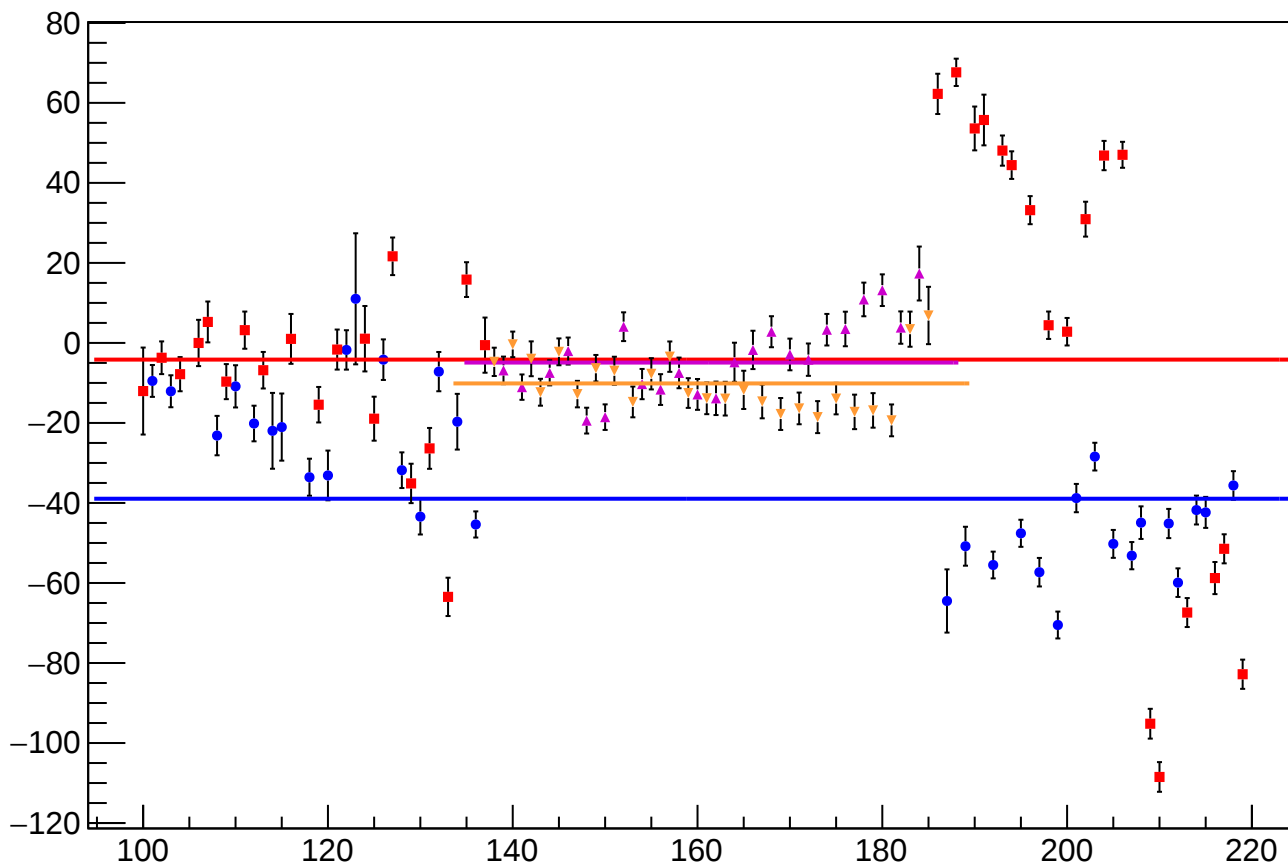
Left In: 4446.181+/-0.762 χ^2/NDF : 702797.6/22

+ sign 3361.182+/-0.410 χ^2/NDF : 5124336.9/57

All: 3351.245+/-0.288 χ^2/NDF : 11116193.0/100

- sign 3341.468+/-0.406 χ^2/NDF : 5990688.2/59

diff_bpm0l01X_mean vs Slug



Right In: -38.943 ± 0.733 χ^2/NDF : 577.8/32

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: -4.170 ± 0.709 χ^2/NDF : 4637.8/36

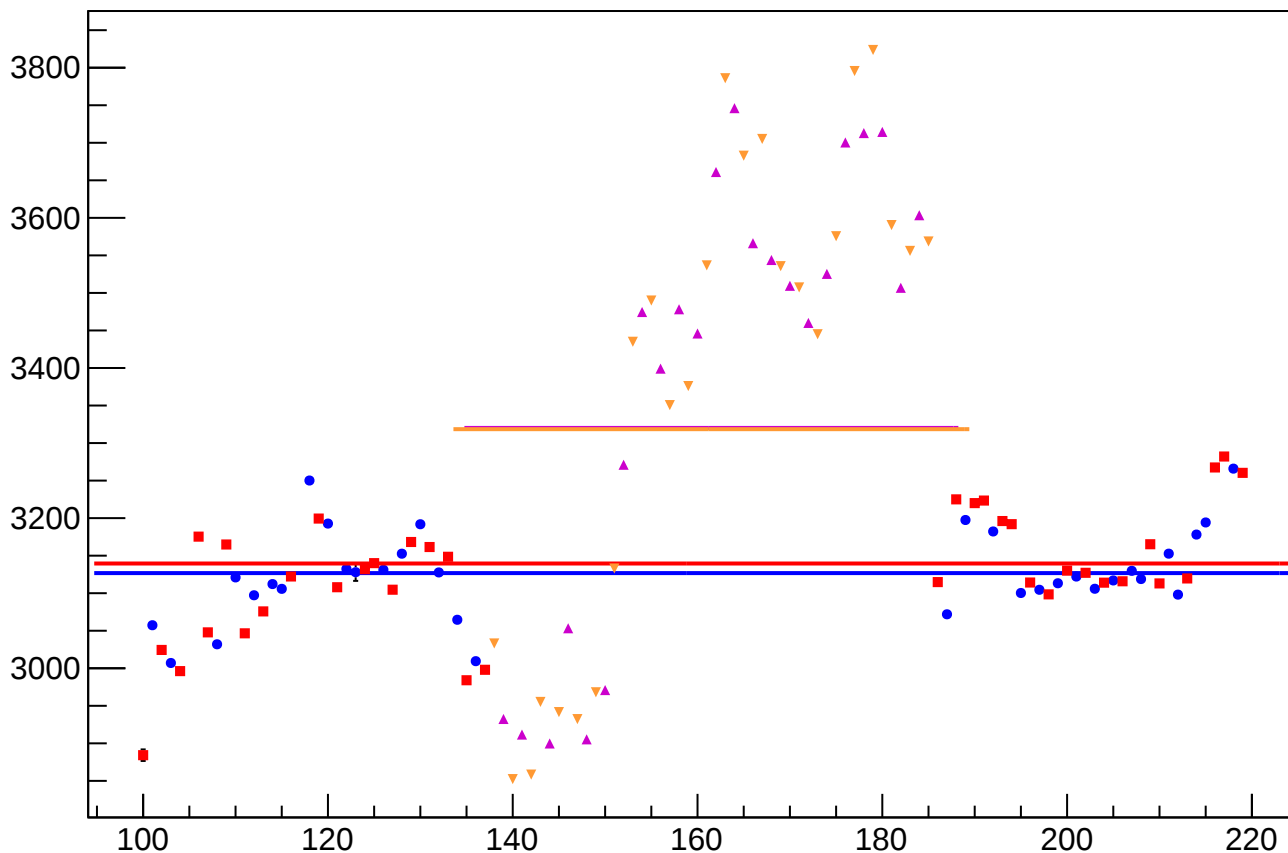
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -25.343 ± 0.533 χ^2/NDF : 1375.1/57

All: -14.862 ± 0.376 χ^2/NDF : 6911.2/117

- sign -4.497 ± 0.530 χ^2/NDF : 4766.2/59

diff_bpm0l01X_rms vs Slug



Right In: 3126.785 $\pm$ 0.518 χ^2 /NDF: 13812.6/32

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3139.560 $\pm$ 0.501 χ^2 /NDF: 22191.0/36

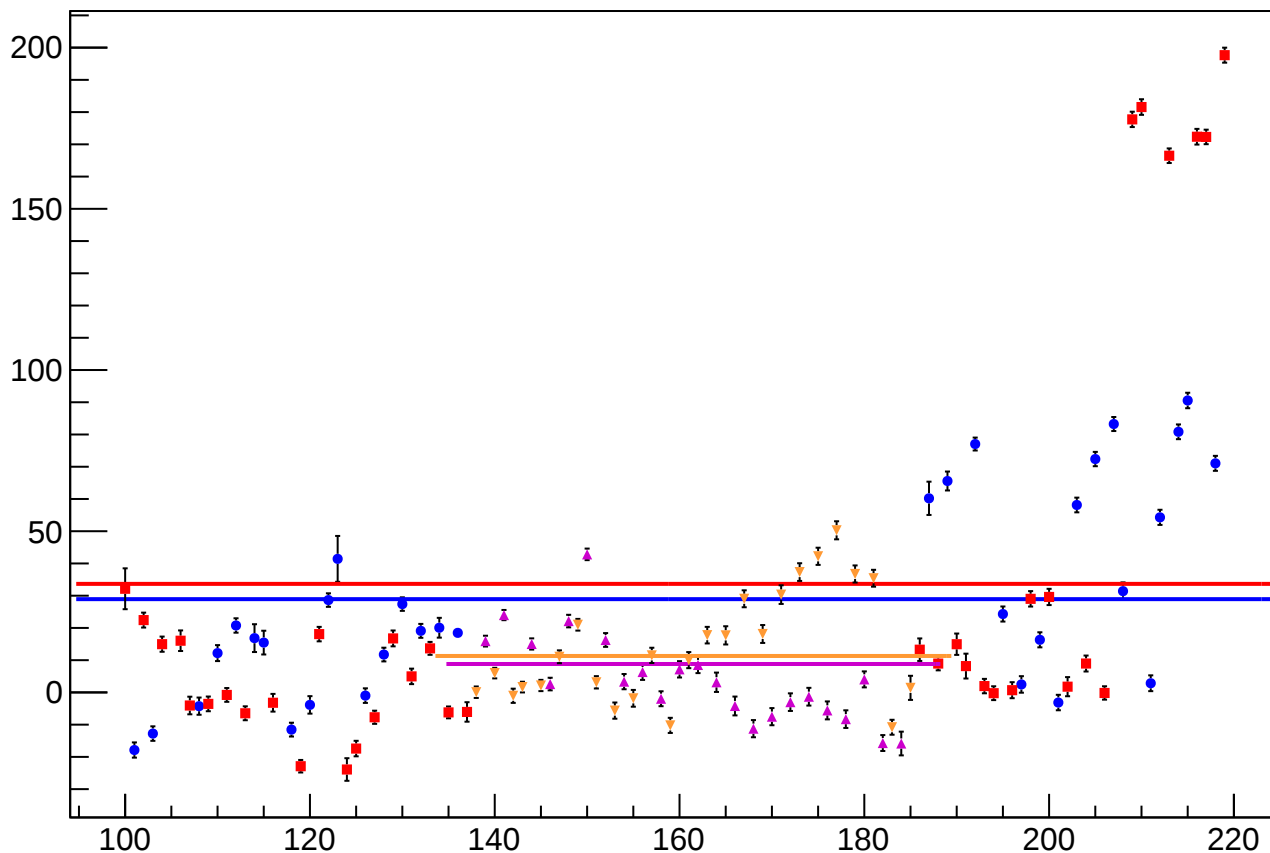
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3217.260 $\pm$ 0.377 χ^2 /NDF: 416066.4/57

All: 3218.301 $\pm$ 0.266 χ^2 /NDF: 783233.0/117

- sign 3219.331 $\pm$ 0.375 χ^2 /NDF: 367151.4/59

diff_bpm0l01Y_mean vs Slug



Right In: 28.929 ± 0.412 $\chi^2/\text{NDF}: 5802.7/32$

Left Out: 11.305 ± 0.454 $\chi^2/\text{NDF}: 1144.3/24$

Right Out: 33.667 ± 0.398 $\chi^2/\text{NDF}: 28505.1/36$

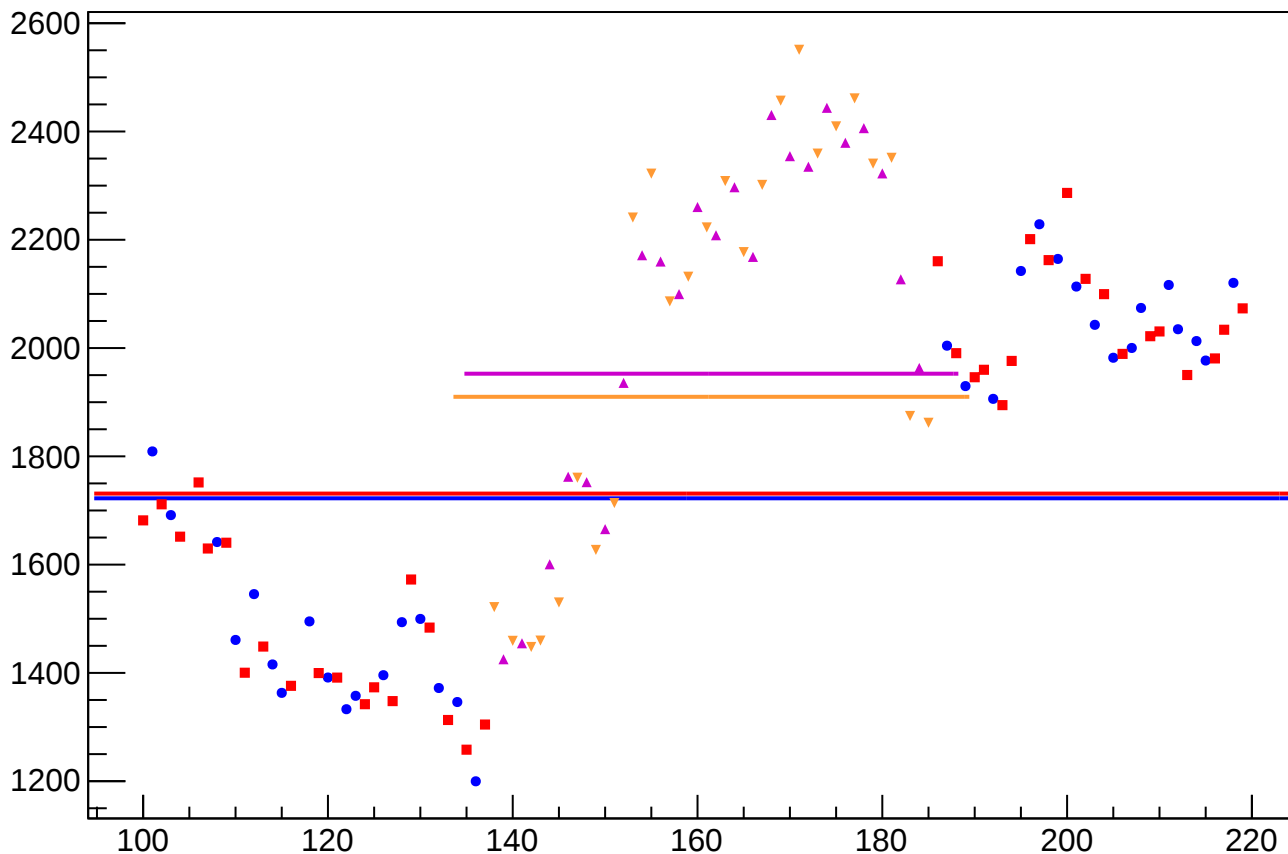
Left In: 8.815 ± 0.475 $\chi^2/\text{NDF}: 942.2/22$

+ sign 20.968 ± 0.305 $\chi^2/\text{NDF}: 7773.8/57$

All: 22.194 ± 0.216 $\chi^2/\text{NDF}: 38859.7/117$

- sign 23.422 ± 0.305 $\chi^2/\text{NDF}: 31053.6/59$

diff_bpm0l01Y_rms vs Slug



Right In: 1722.478+/-0.291 χ^2/NDF : 1318385.9/32

Left Out: 1909.963+/-0.321 χ^2/NDF :1399467.7/24

Right Out: 1731.214+/-0.282 χ^2/NDF : 1292797.0/36

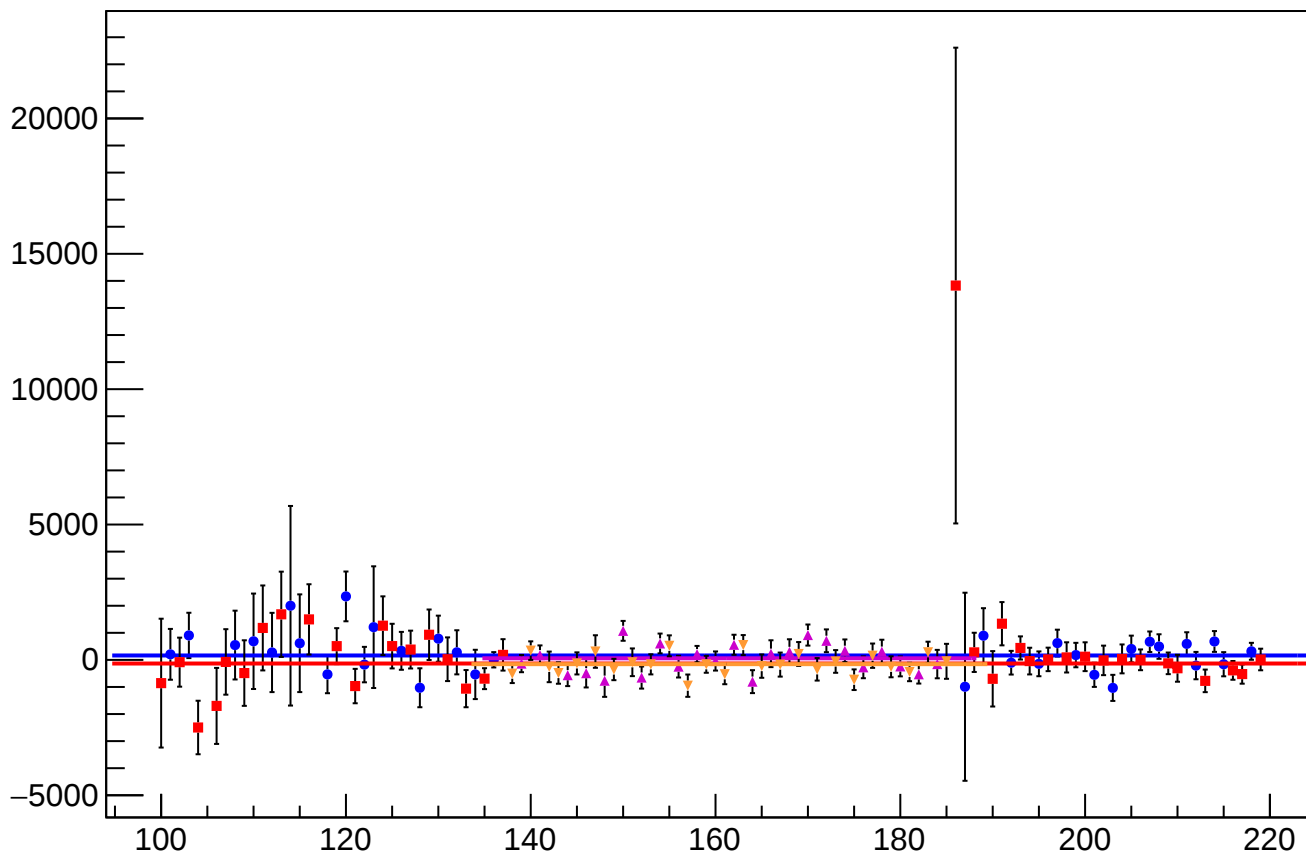
Left In: 1952.637+/-0.336 χ^2/NDF :1065333.8/22

+ sign 1807.170+/-0.216 χ^2/NDF : 2904981.4/57

All: 1814.827+/-0.153 χ^2/NDF : 5520680.1/11

- sign 1822.493+/-0.216 χ^2/NDF : 2613176.6/59

asym_sam1_mean vs Slug



Right In: 163.390 ± 96.541 χ^2/NDF : 30.4/32

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -133.765 ± 96.368 χ^2/NDF : 35.3/36

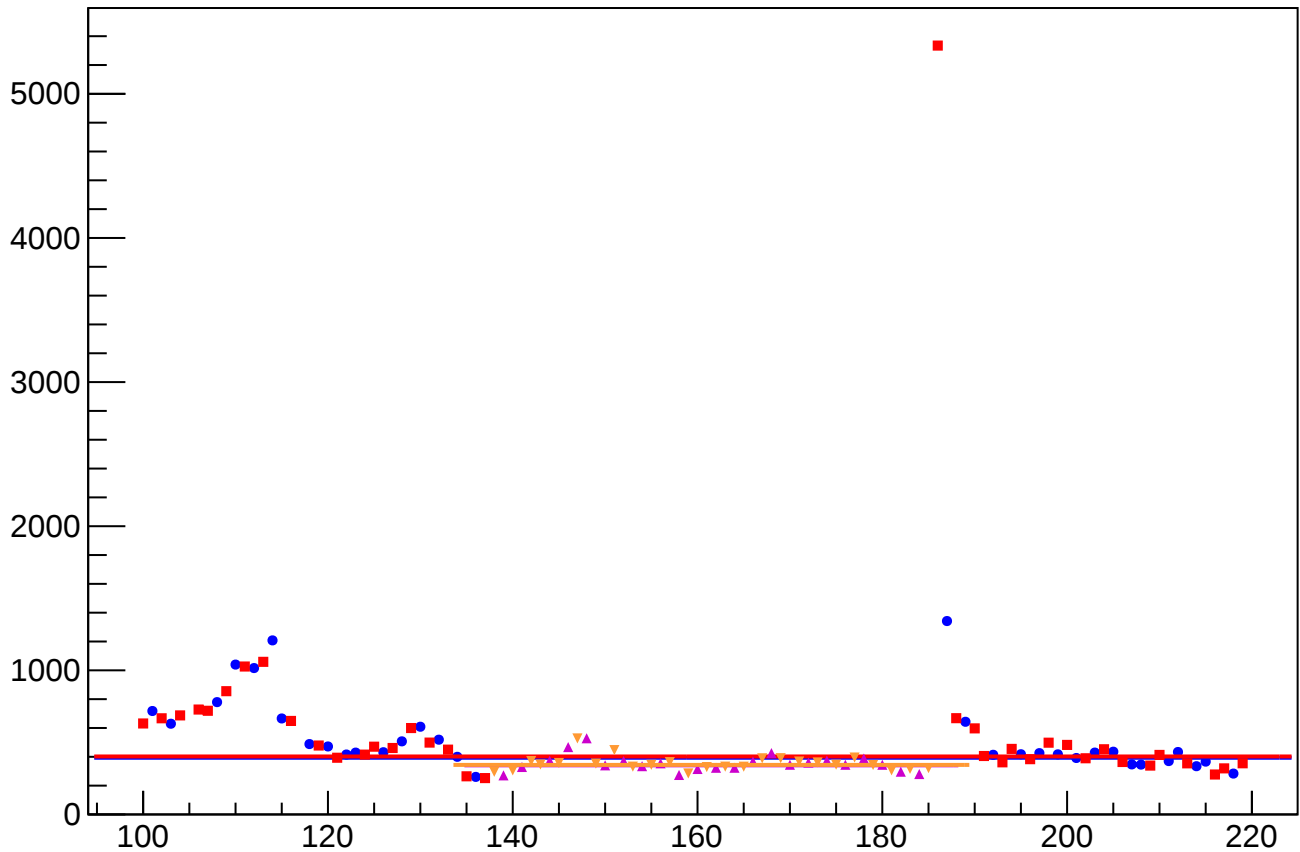
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -25.172 ± 61.960 χ^2/NDF : 58.9/57

All: -23.931 ± 44.074 χ^2/NDF : 135.1/117

- sign -22.661 ± 62.708 χ^2/NDF : 76.2/59

asym_sam1_rms vs Slug



Right In: 393.521+/-0.068 χ^2/NDF : 2771281.5/32

Left Out: 343.807+/-0.057 χ^2/NDF : 539431.0/24

Right Out: 402.296+/-0.068 χ^2/NDF : 3820527.6/36

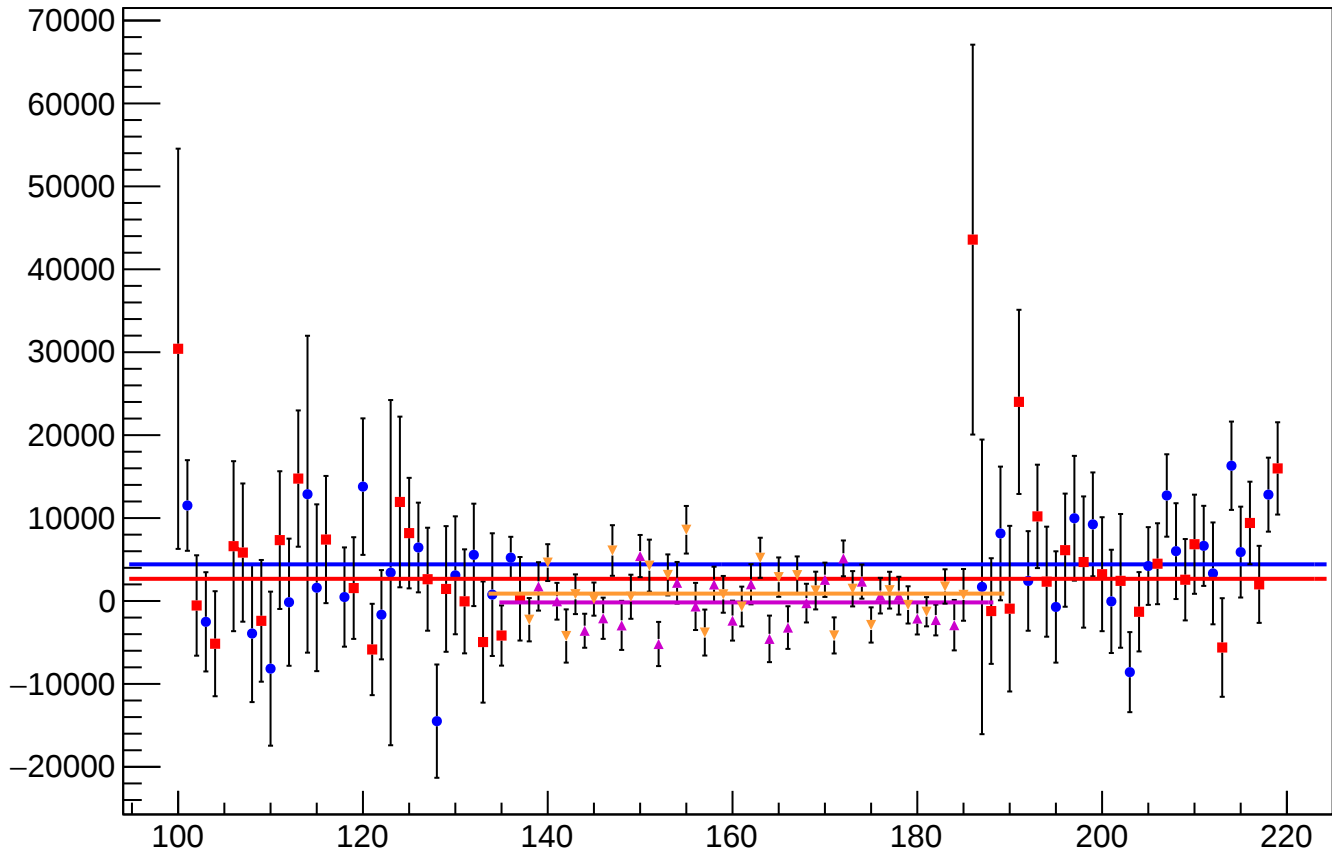
Left In: 340.876+/-0.058 χ^2/NDF : 724672.0/22

+ sign 364.284+/-0.044 χ^2/NDF : 3622606.3/57

All: 365.568+/-0.031 χ^2/NDF : 8637955.7/117

- sign 366.883+/-0.044 χ^2/NDF : 5013611.0/59

asym_sam2_mean vs Slug



Right In: 4418.980 ± 1020.823 χ^2/NDF : 39.3/32

Left Out: 890.395 ± 473.262 χ^2/NDF : 38.0/24

Right Out: 2674.625 ± 1050.260 χ^2/NDF : 35.6/36

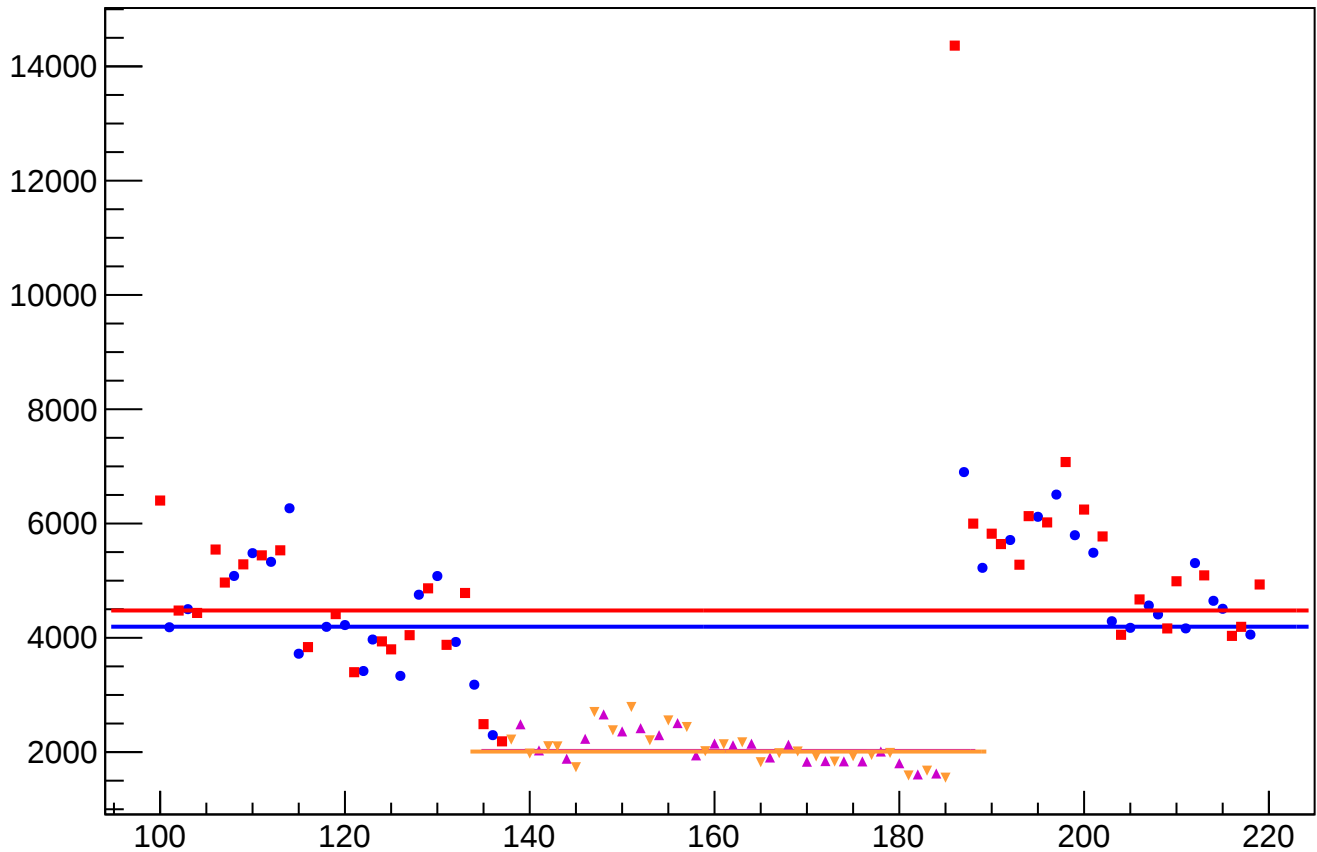
Left In: -172.391 ± 488.067 χ^2/NDF : 33.2/22

+ sign 1514.634 ± 429.364 χ^2/NDF : 87.1/57

All: 941.881 ± 308.182 χ^2/NDF : 165.6/117

- sign 333.245 ± 442.610 χ^2/NDF : 74.8/59

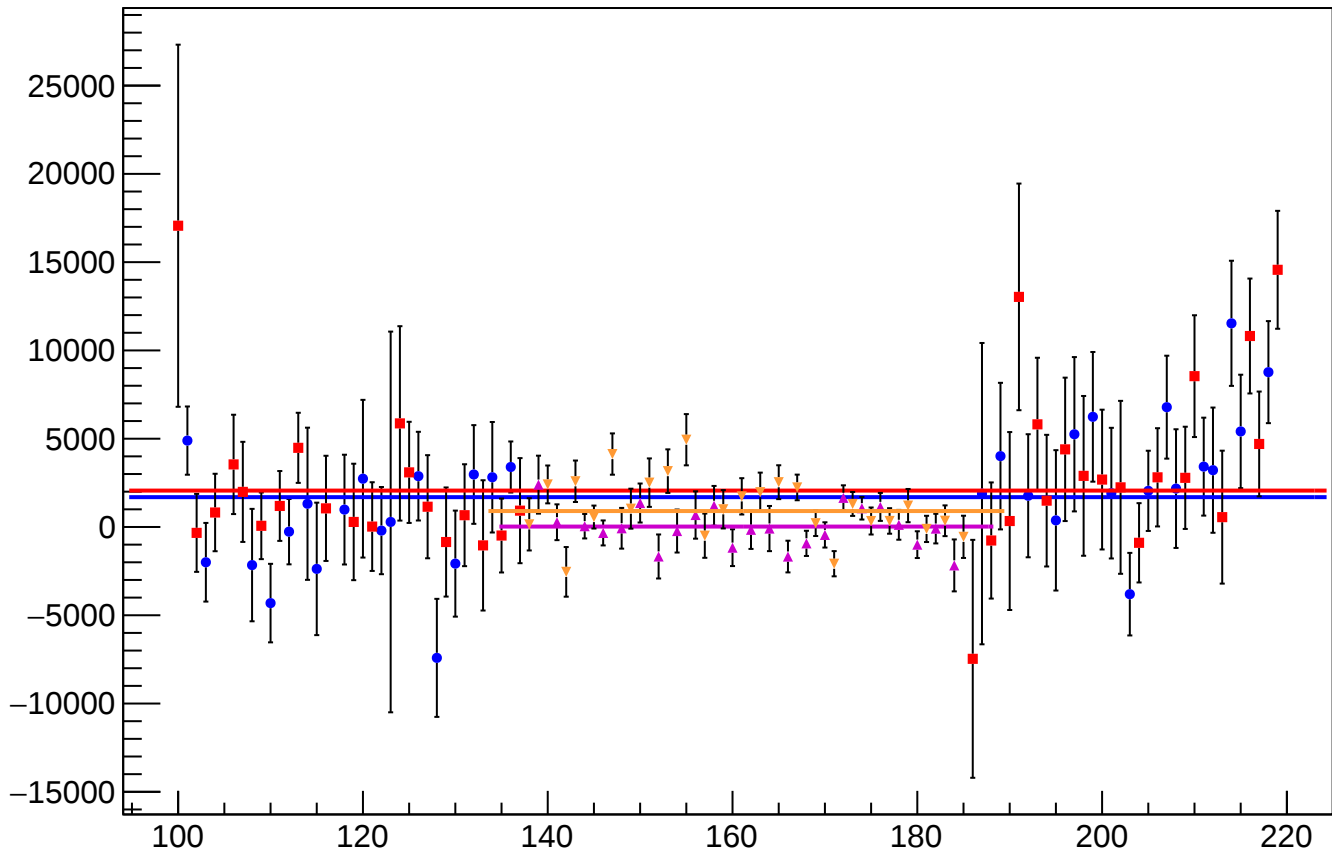
asym_sam2_rms vs Slug



Right In: 4194.545 $\pm$ 0.722 χ^2 /NDF: 2338785.0/32
 Left Out: 2009.631 $\pm$ 0.335 χ^2 /NDF: 709977.6/24
 Right Out: 4478.422 $\pm$ 0.743 χ^2 /NDF: 2577422.1/36
 Left In: 2020.365 $\pm$ 0.345 χ^2 /NDF: 573483.0/22

+ sign 2396.162 $\pm$ 0.304 χ^2 /NDF: 10590050.7/57
 All: 2425.619 $\pm$ 0.218 χ^2 /NDF: 22769899.7/100
 - sign 2456.921 $\pm$ 0.313 χ^2 /NDF: 12160432.5/59

asym_sam3_mean vs Slug



Right In: 1689.380 ± 494.708 χ^2/NDF : 55.1/32

Left Out: 902.091 ± 185.850 χ^2/NDF : 63.5/24

Right Out: 2061.735 ± 489.576 χ^2/NDF : 46.7/36

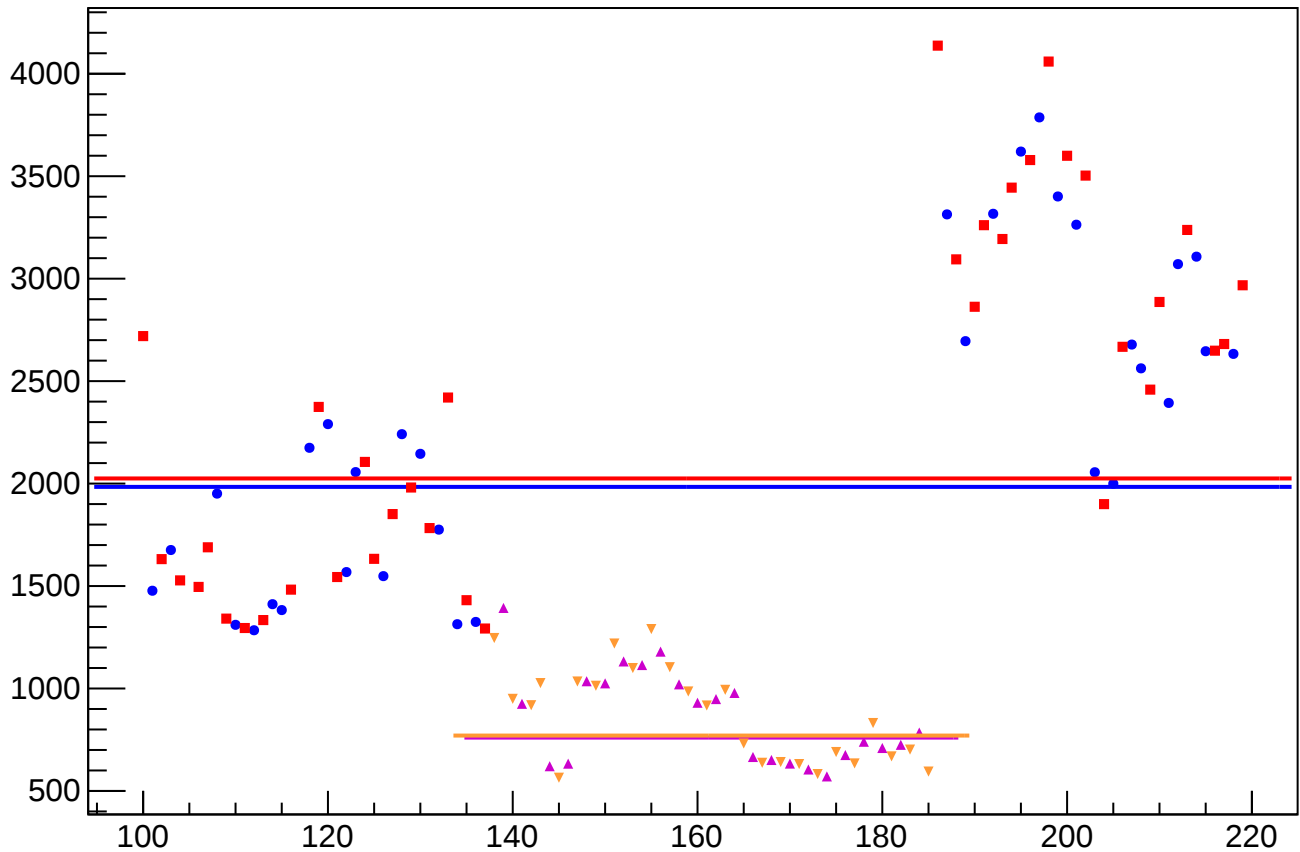
Left In: 23.529 ± 188.137 χ^2/NDF : 28.2/22

+ sign 999.462 ± 173.978 χ^2/NDF : 120.8/57

All: 645.970 ± 123.596 χ^2/NDF : 219.2/117

- sign 285.792 ± 175.616 χ^2/NDF : 90.1/59

asym_sam3_rms vs Slug



Right In: 1983.882 $\pm$ 0.350 χ^2 /NDF: 3810790.5/32

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

+ sign 920.411 $\pm$ 0.123 χ^2 /NDF: 16645235.9/57

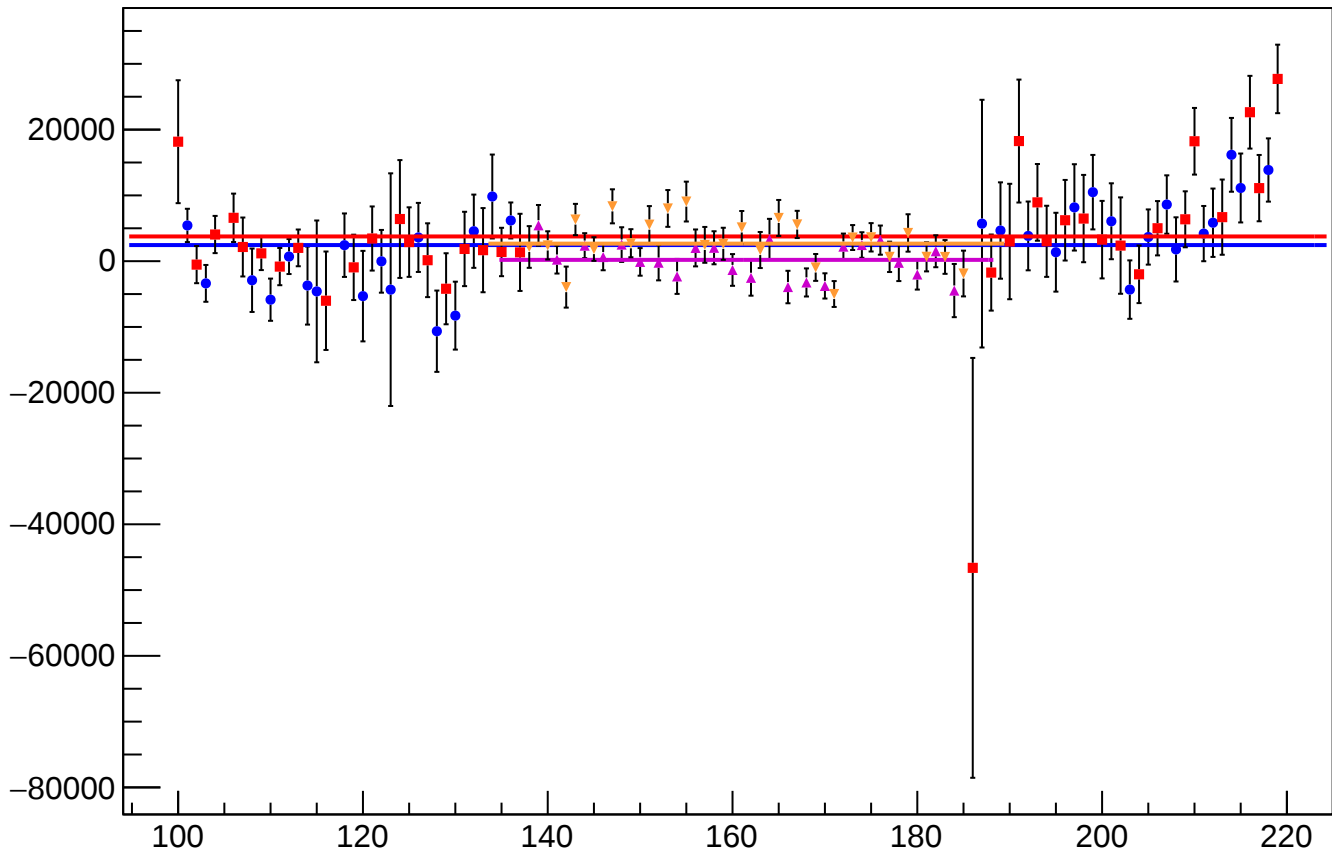
Right Out: 2025.034 $\pm$ 0.346 χ^2 /NDF: 4613699.2/36

All: 921.734 $\pm$ 0.087 χ^2 /NDF: 34874709.1/11

Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

- sign 923.083 $\pm$ 0.124 χ^2 /NDF: 18229239.5/59

asym_sam4_mean vs Slug



Right In: 2448.802 ± 795.639 χ^2/NDF : 52.2/32

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 3758.799 ± 760.938 χ^2/NDF : 68.1/36

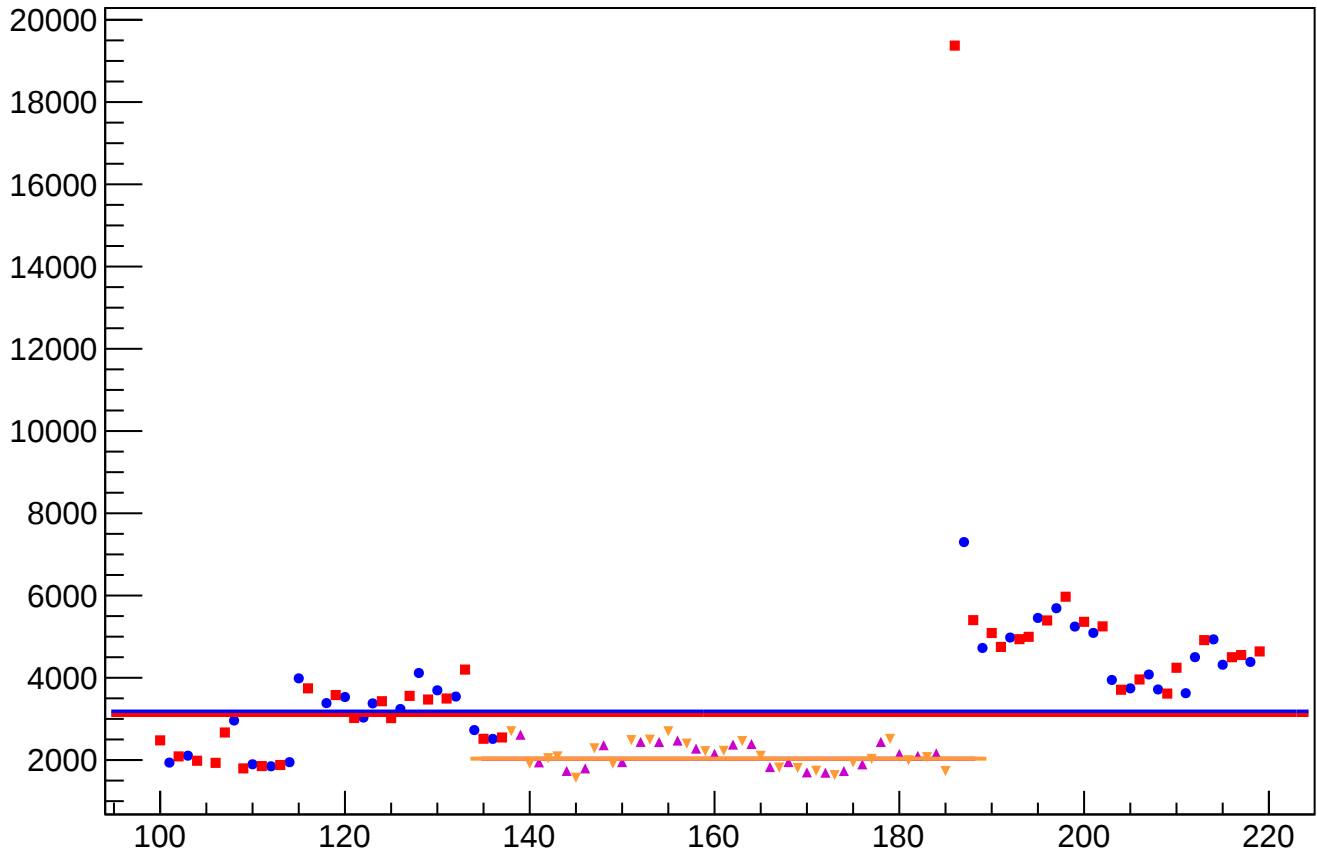
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2607.781 ± 410.857 χ^2/NDF : 101.5/57

All: 1932.252 ± 291.348 χ^2/NDF : 216.2/117

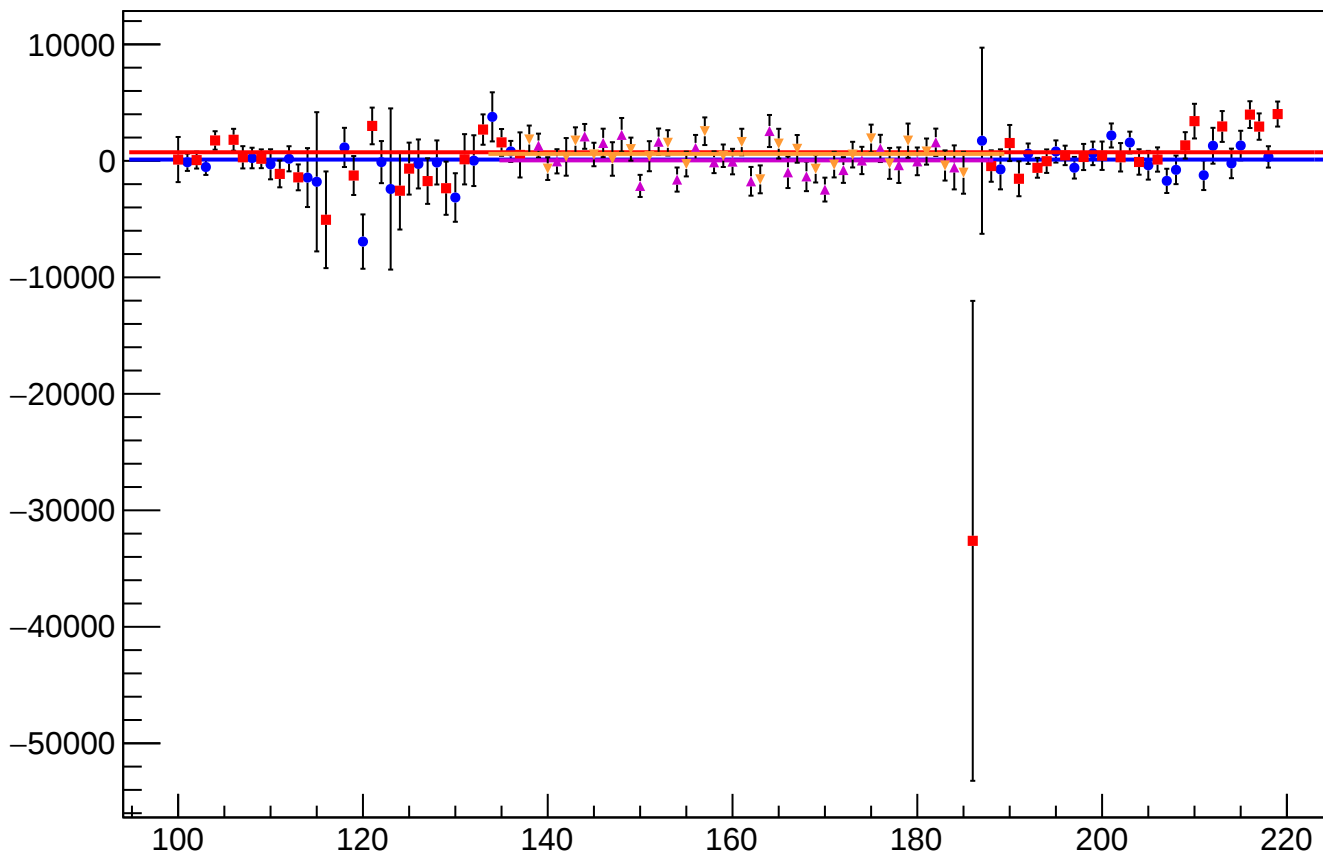
- sign 1248.965 ± 413.209 χ^2/NDF : 109.3/59

asym_sam4_rms vs Slug



Right In: 3179.117+/-0.563	χ^2/NDF : 4171605.4/32	+ sign 2338.864+/-0.291	χ^2/NDF : 8037319.1/57
Left Out: 2033.337+/-0.339	χ^2/NDF : 824062.2/24	All: 2342.387+/-0.206	χ^2/NDF : 17226465.6/1
Right Out: 3095.115+/-0.538	χ^2/NDF : 5786790.7/36	- sign 2345.950+/-0.292	χ^2/NDF : 9188850.7/59
Left In: 2032.655+/-0.348	χ^2/NDF : 652763.7/22		

asym_sam5_mean vs Slug



Right In: 110.747 $\pm$ 209.138 χ^2 /NDF: 32.3/32

Left Out: 600.005 $\pm$ 234.968 χ^2 /NDF: 18.5/24

Right Out: 738.345 $\pm$ 196.924 χ^2 /NDF: 61.7/36

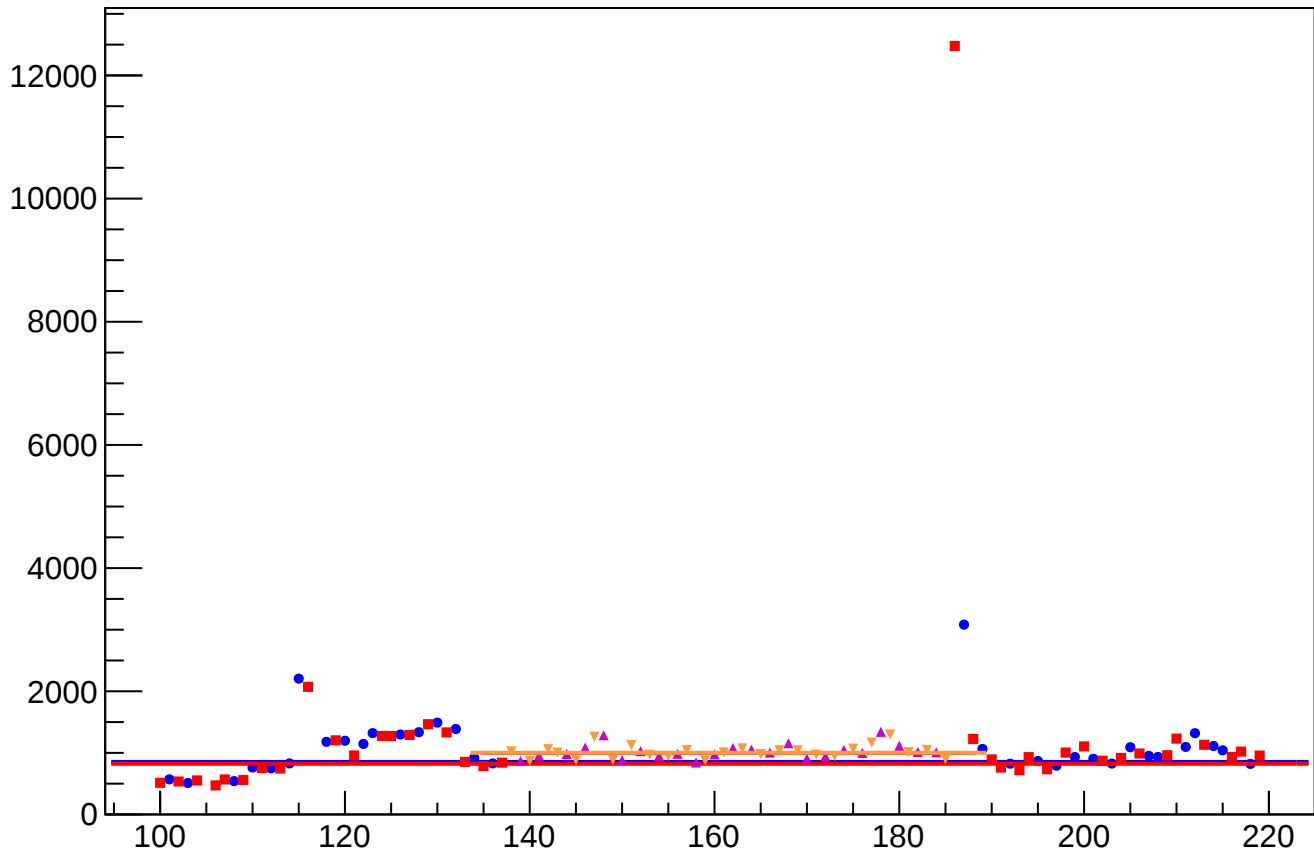
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF: 36.4/22

+ sign 327.016 $\pm$ 156.220 χ^2 /NDF: 53.2/57

All: 394.680 $\pm$ 109.104 χ^2 /NDF: 156.7/117

- sign 459.111 $\pm$ 152.442 χ^2 /NDF: 103.1/59

asym_sam5_rms vs Slug



Right In: 852.732 $\pm$ 0.148 χ^2 /NDF: 2590728.1/32

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 822.888 $\pm$ 0.139 χ^2 /NDF: 3585154.5/36

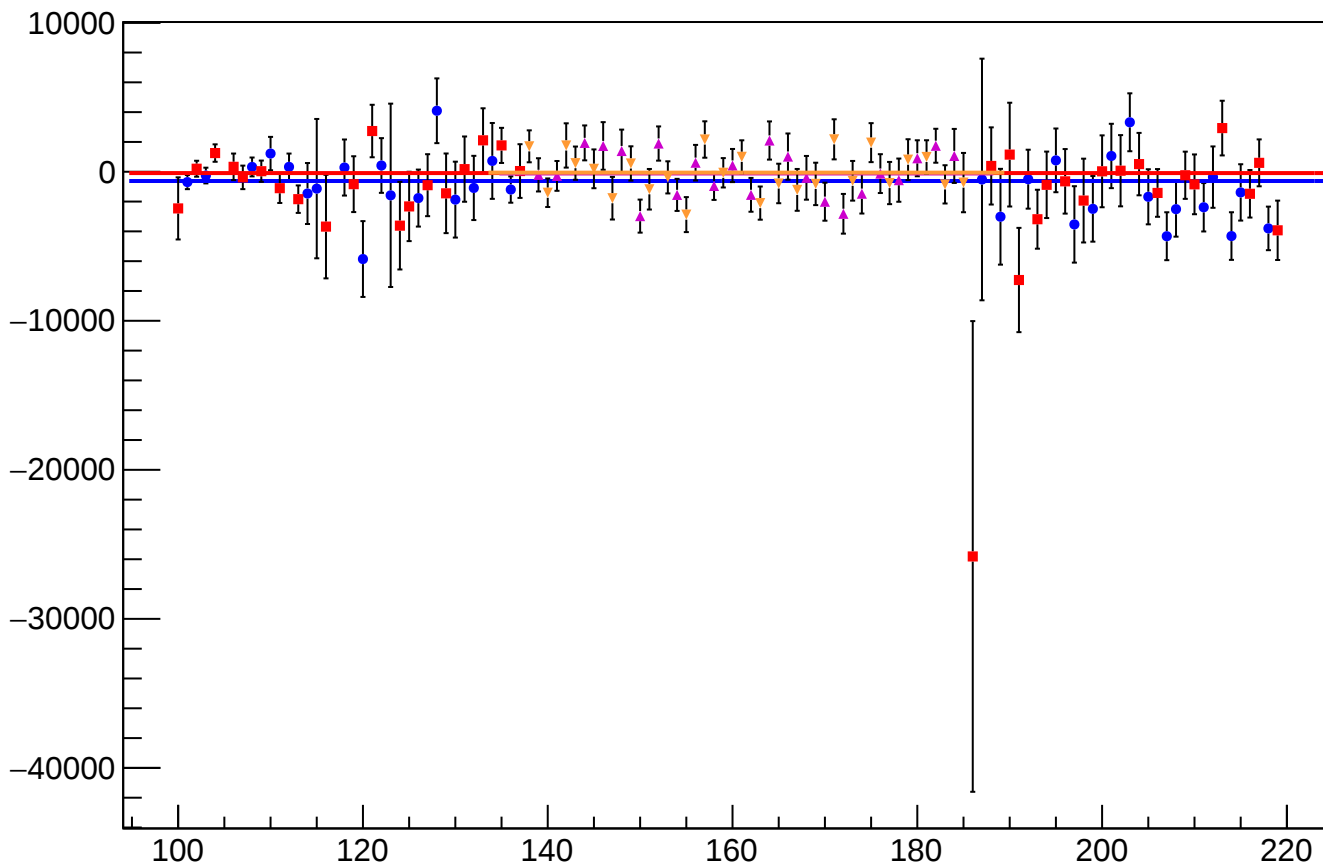
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 918.480 $\pm$ 0.110 χ^2 /NDF: 3408199.7/57

All: 905.471 $\pm$ 0.077 χ^2 /NDF: 8059223.3/117

- sign 893.083 $\pm$ 0.108 χ^2 /NDF: 4623948.0/59

asym_sam6_mean vs Slug



Right In: -620.915+/-223.241 χ^2 /NDF: 43.4/32

Left Out: -59.827+/-246.503 χ^2 /NDF:31.0/24

Right Out: -88.442+/-220.491 χ^2 /NDF: 40.4/36

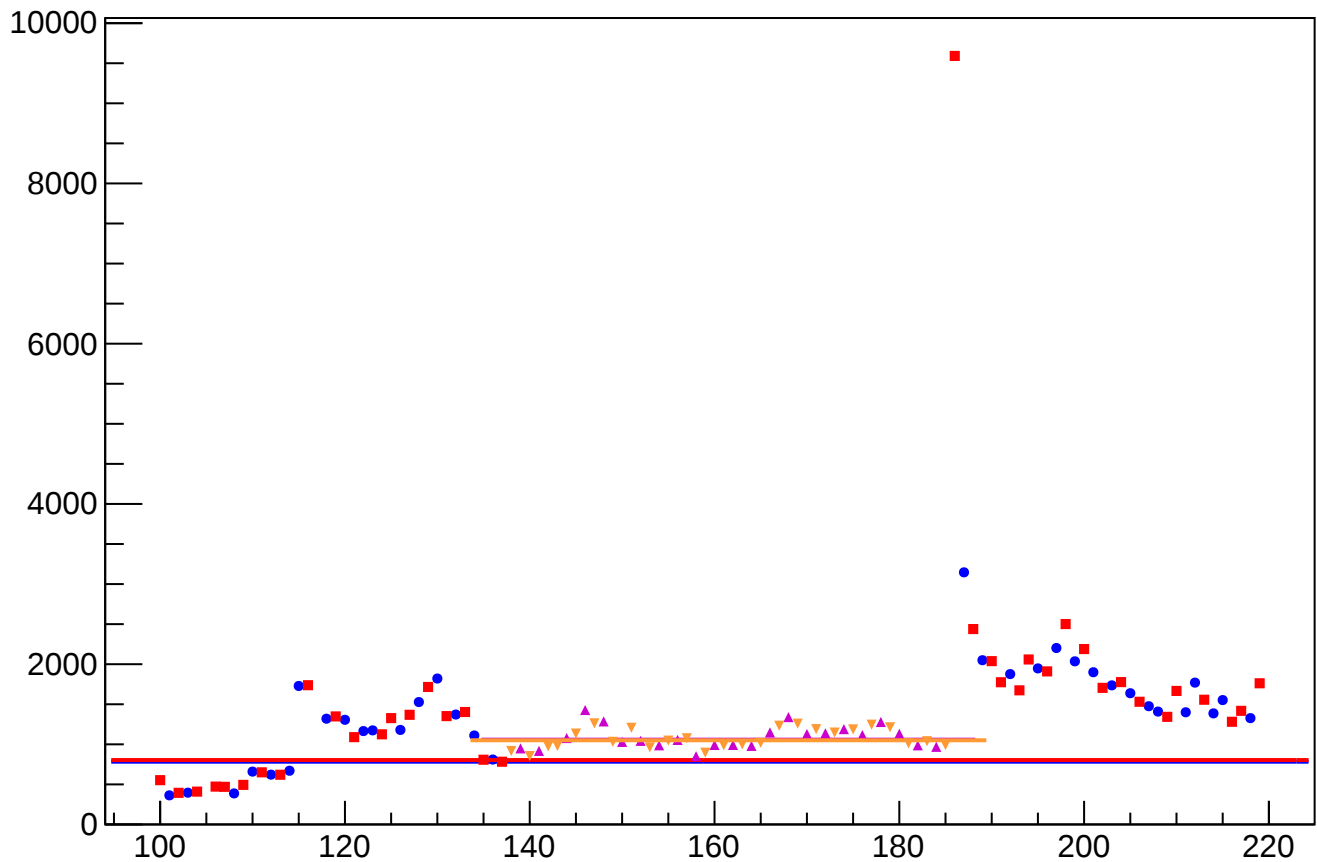
Left In: -112.398+/-255.409 χ^2 /NDF:34.9/22

+ sign -368.089+/-165.469 χ^2 /NDF: 77.3/57

All: -234.542+/-117.508 χ^2 /NDF: 153.9/117

- sign -98.672+/-166.902 χ^2 /NDF: 75.3/59

asym_sam6_rms vs Slug



Right In: 783.363+/-0.158 χ^2/NDF : 11409713.9/32

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 803.696+/-0.156 χ^2/NDF : 12170774.3/36

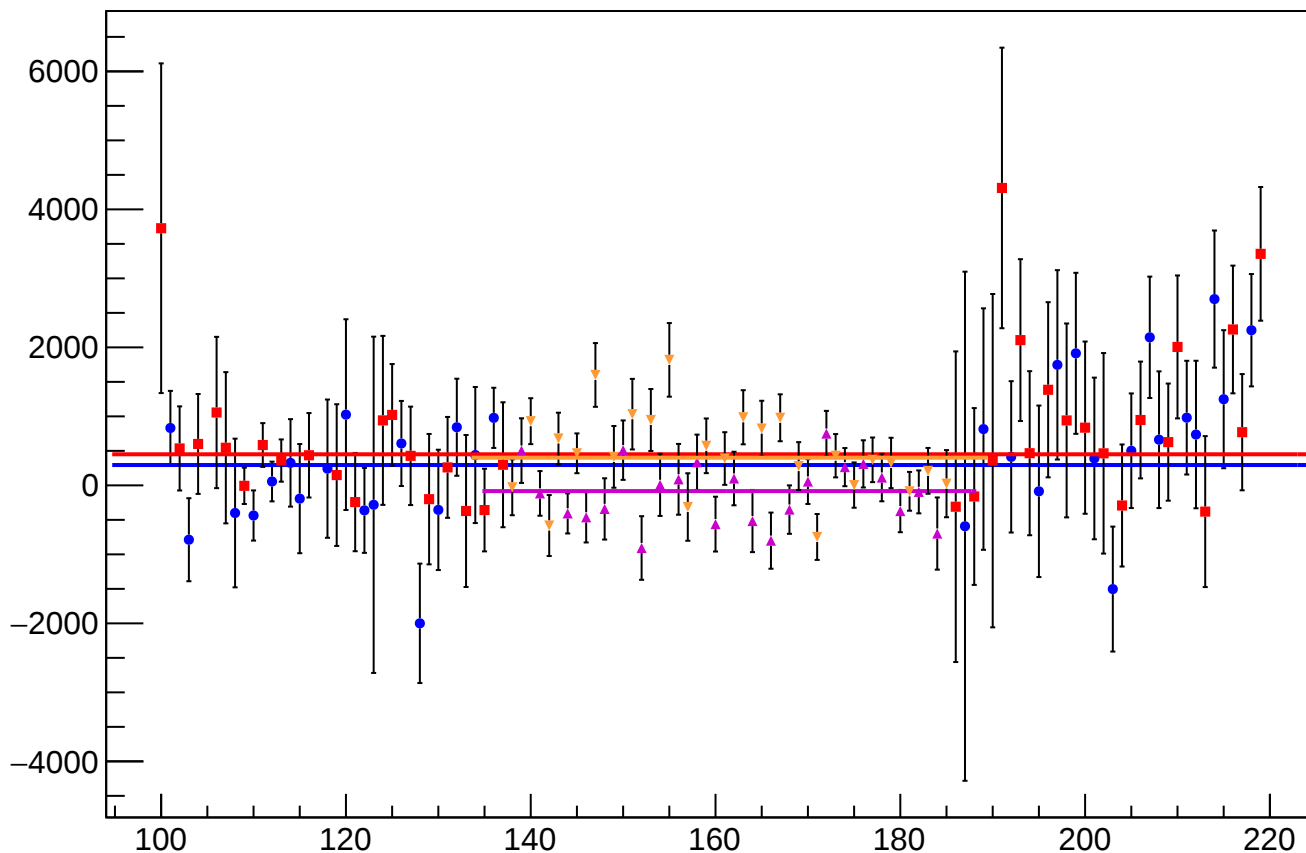
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 903.802+/-0.117 χ^2/NDF : 13184756.9/57

All: 908.029+/-0.083 χ^2/NDF : 27023665.1/11

- sign 912.331+/-0.118 χ^2/NDF : 13836274.3/59

asym_sam7_mean vs Slug



Right In: 294.856 ± 125.552 χ^2/NDF : 47.4/32

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 450.506 ± 116.476 χ^2/NDF : 33.9/36

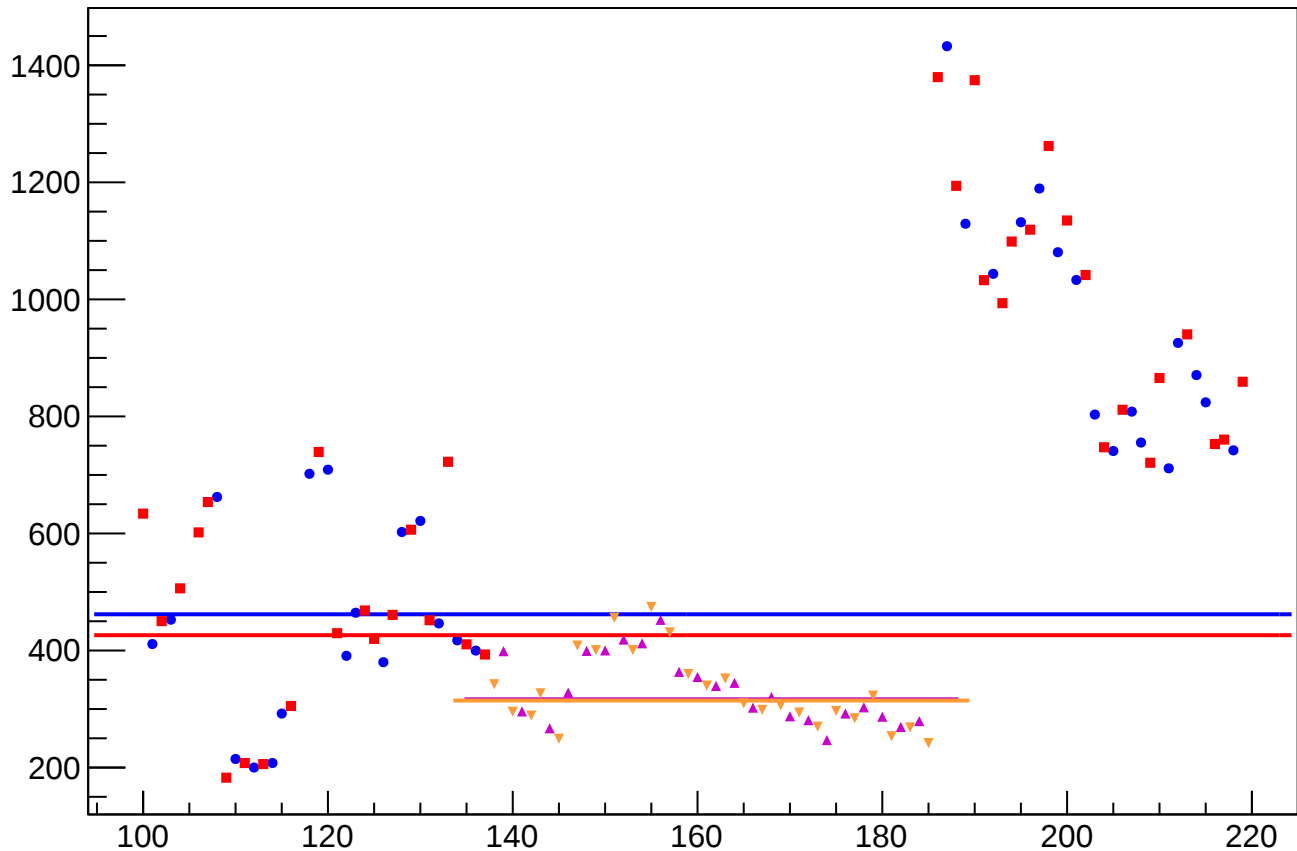
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 373.325 ± 64.099 χ^2/NDF : 100.0/57

All: 226.364 ± 45.352 χ^2/NDF : 188.0/117

- sign 79.044 ± 64.177 χ^2/NDF : 77.4/59

asym_sam7_rms vs Slug



Right In: 461.906+/-0.089 χ^2/NDF : 9051719.0/32

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 426.178+/-0.082 χ^2/NDF : 12030222.4/36

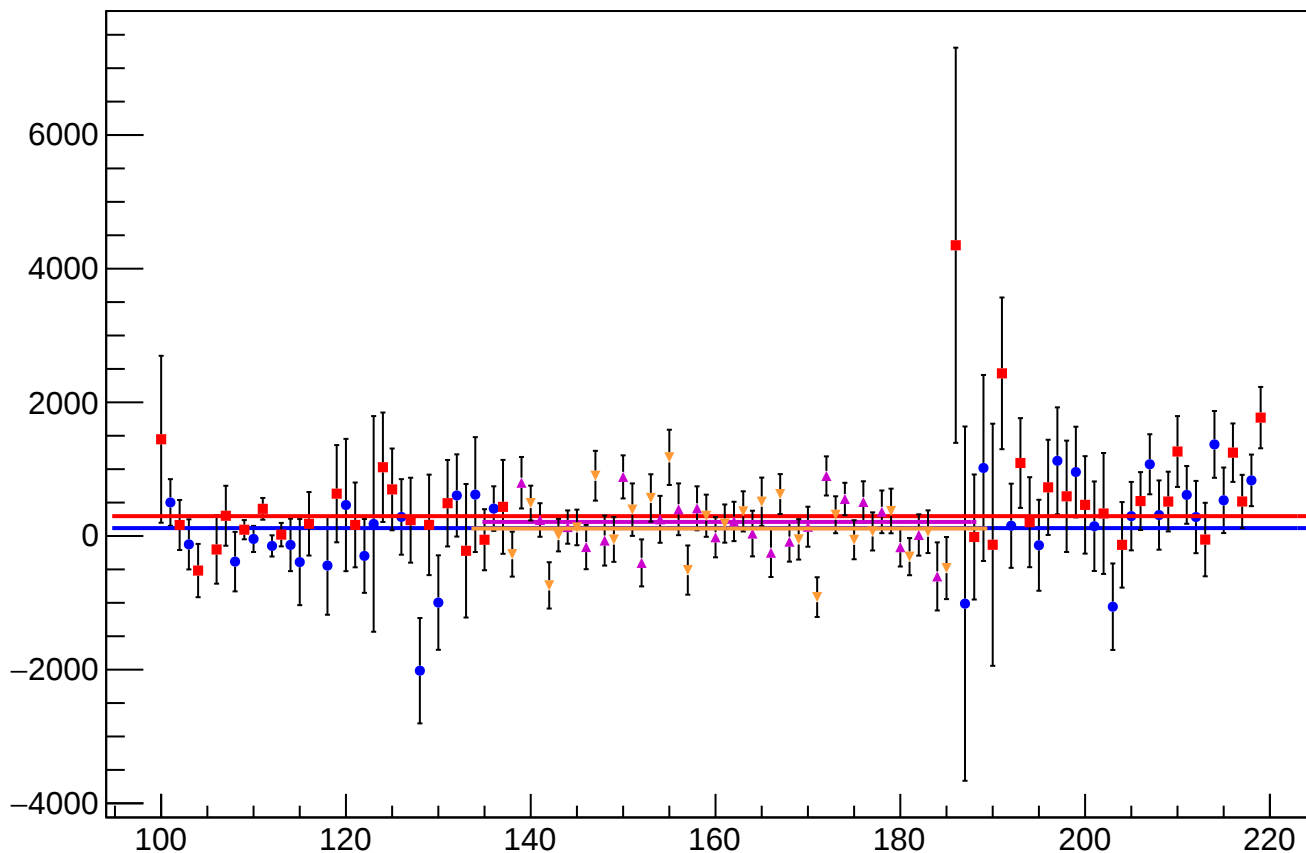
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 352.950+/-0.045 χ^2/NDF : 12201387.2/57

All: 351.426+/-0.032 χ^2/NDF : 26386414.0/11

- sign 349.899+/-0.045 χ^2/NDF : 14182765.0/59

asym_sam8_mean vs Slug



Right In: 118.121+/-76.381 χ^2/NDF : 44.1/32

Left Out: 112.242+/-62.643 χ^2/NDF : 49.1/24

Right Out: 296.975+/-67.731 χ^2/NDF : 41.2/36

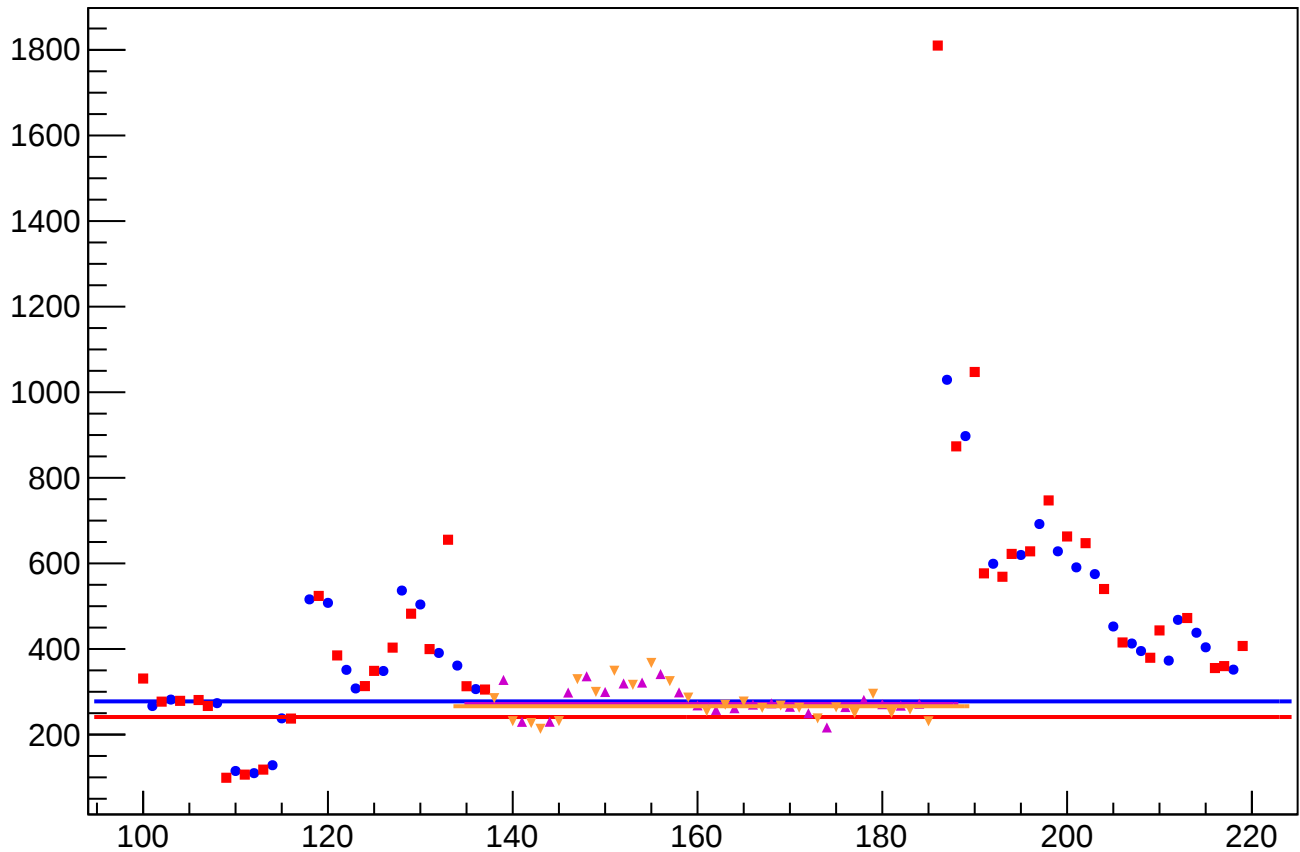
Left In: 210.453+/-65.510 χ^2/NDF : 29.2/22

+ sign 114.606+/-48.437 χ^2/NDF : 93.3/57

All: 185.382+/-33.763 χ^2/NDF : 168.6/117

- sign 252.273+/-47.088 χ^2/NDF : 71.2/59

asym_sam8_rms vs Slug



Right In: 277.574 $\pm$ 0.054 χ^2 /NDF: 9625210.1/32

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 241.033 $\pm$ 0.048 χ^2 /NDF: 13455257.8/36

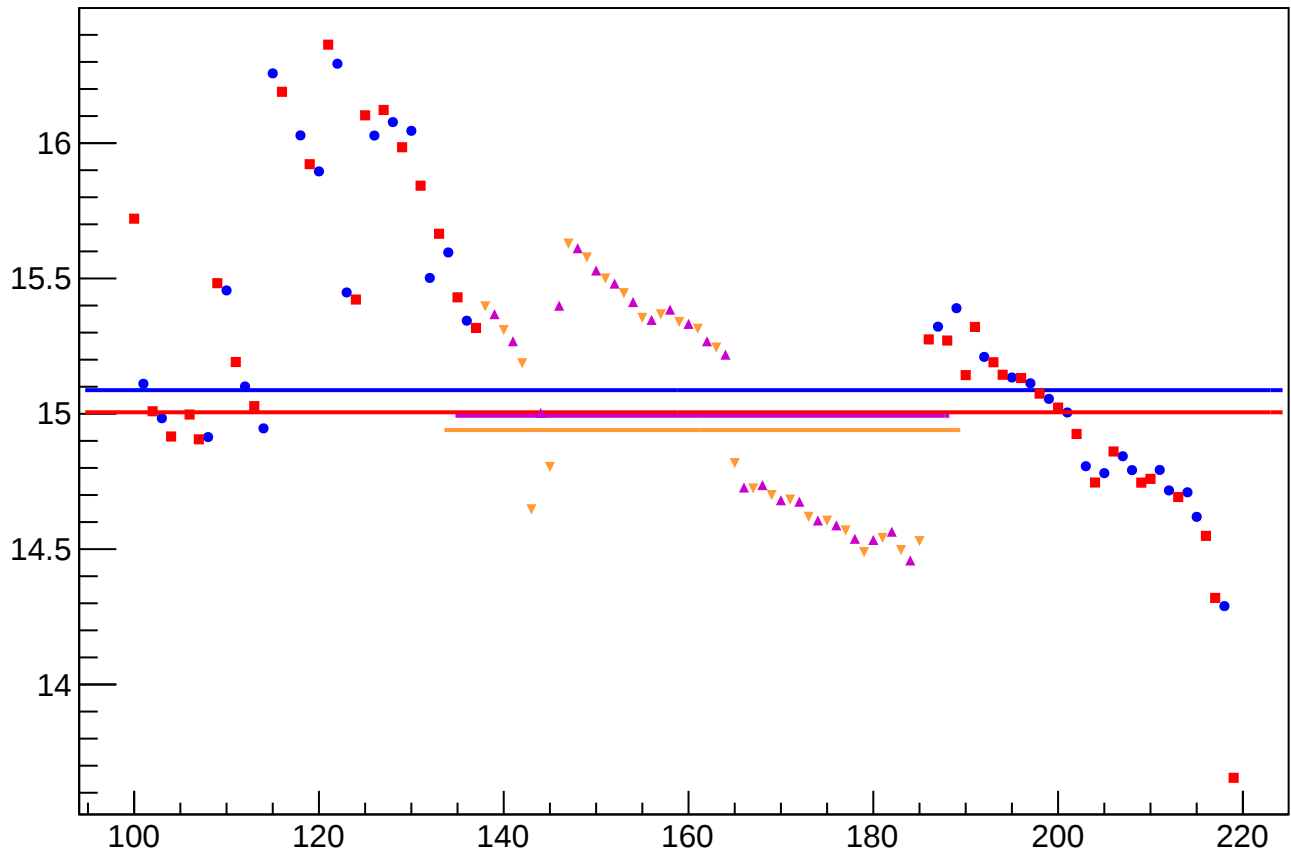
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 270.778 $\pm$ 0.034 χ^2 /NDF: 10301320.4/57

All: 263.556 $\pm$ 0.024 χ^2 /NDF: 24572867.5/1

- sign 256.730 $\pm$ 0.033 χ^2 /NDF: 14185056.1/59

yield_sam1_mean vs Slug



Right In: 15.087+/-0.000 χ^2 /NDF: 25653445118.3/32

Left Out: 14.940+/-0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.006+/-0.000 χ^2 /NDF: 39961745110.6/36

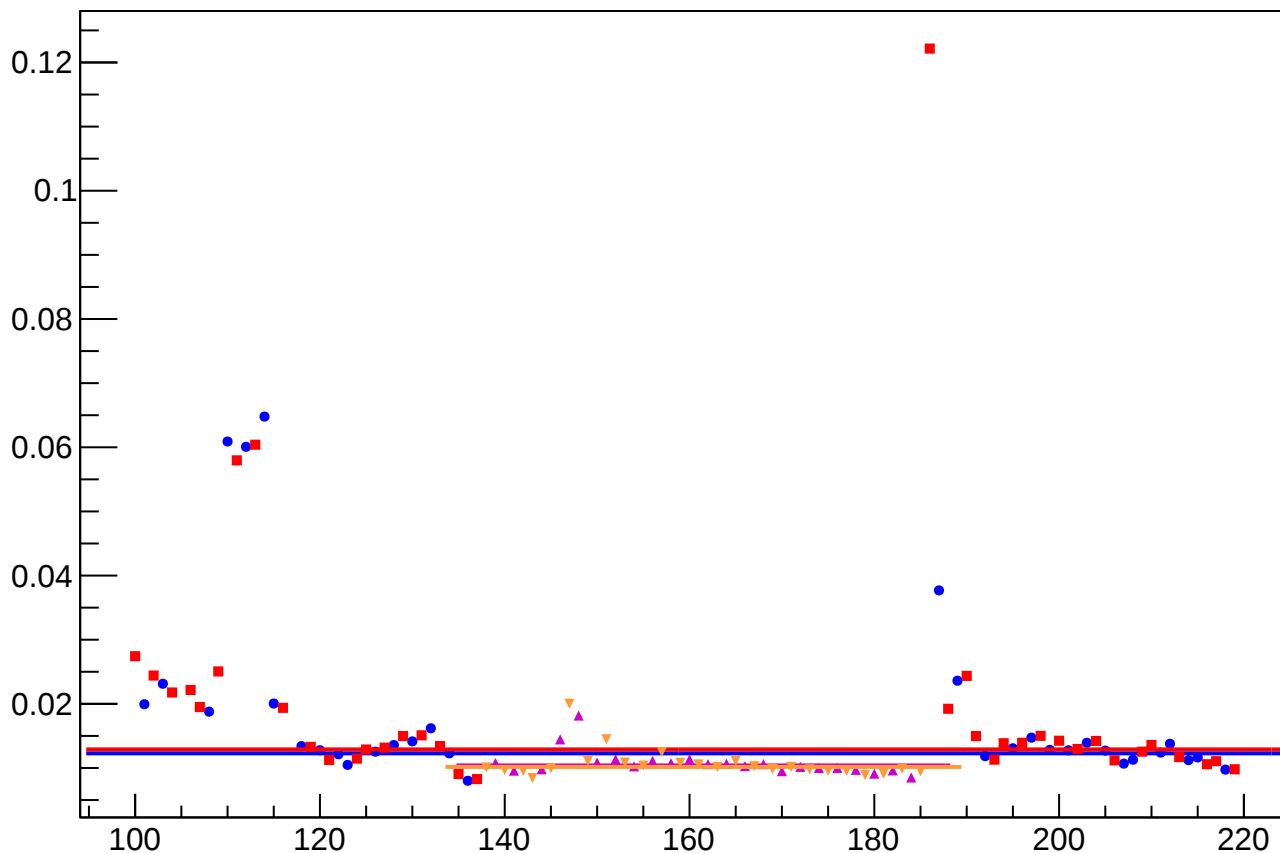
Left In: 14.993+/-0.000 χ^2 /NDF: 22023159634.7/22

+ sign 14.997+/-0.000 χ^2 /NDF: 51260796048.1/57

All: 14.997+/-0.000 χ^2 /NDF: 113255917208.

- sign 14.998+/-0.000 χ^2 /NDF: 61995022767.9/59

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2725750.7/32

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 3451611.0/36

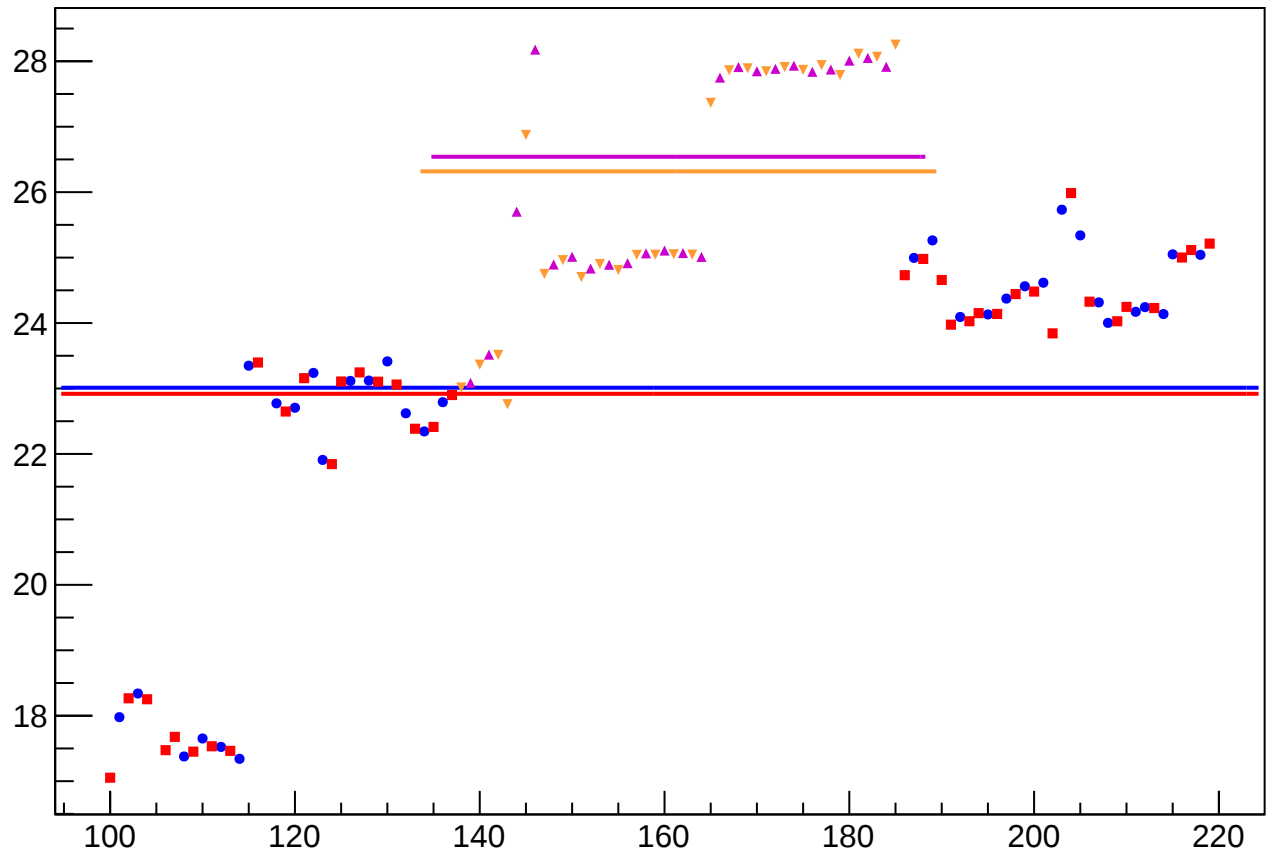
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4023438.4/57

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8822351.1/117

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4754463.6/59

yield_sam2_mean vs Slug



Right In: 23.012 $\pm$ 0.000 χ^2 /NDF: 1500072288.0/32

Left Out: 26.318 $\pm$ 0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.919 $\pm$ 0.000 χ^2 /NDF: 1800470020.3/36

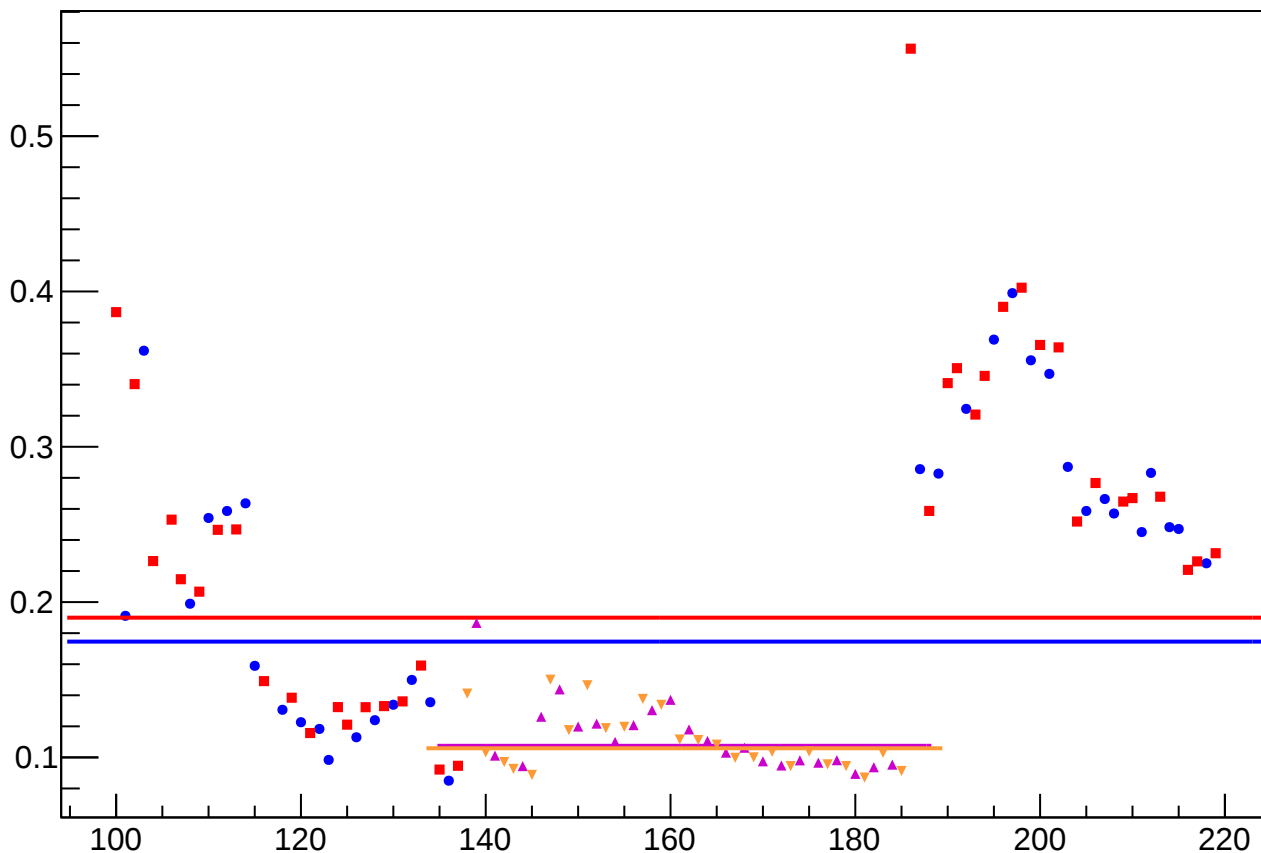
Left In: 26.540 $\pm$ 0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.518 $\pm$ 0.000 χ^2 /NDF: 9942903062.1/57

All: 25.582 $\pm$ 0.000 χ^2 /NDF: 19241604041.2

- sign 25.651 $\pm$ 0.000 χ^2 /NDF: 9282998921.6/59

yield_sam2_rms vs Slug



Right In: 0.175 $\pm$ 0.000 χ^2 /NDF: 6507546.3/32

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 732883.8/24

Right Out: 0.190 $\pm$ 0.000 χ^2 /NDF: 6167642.1/36

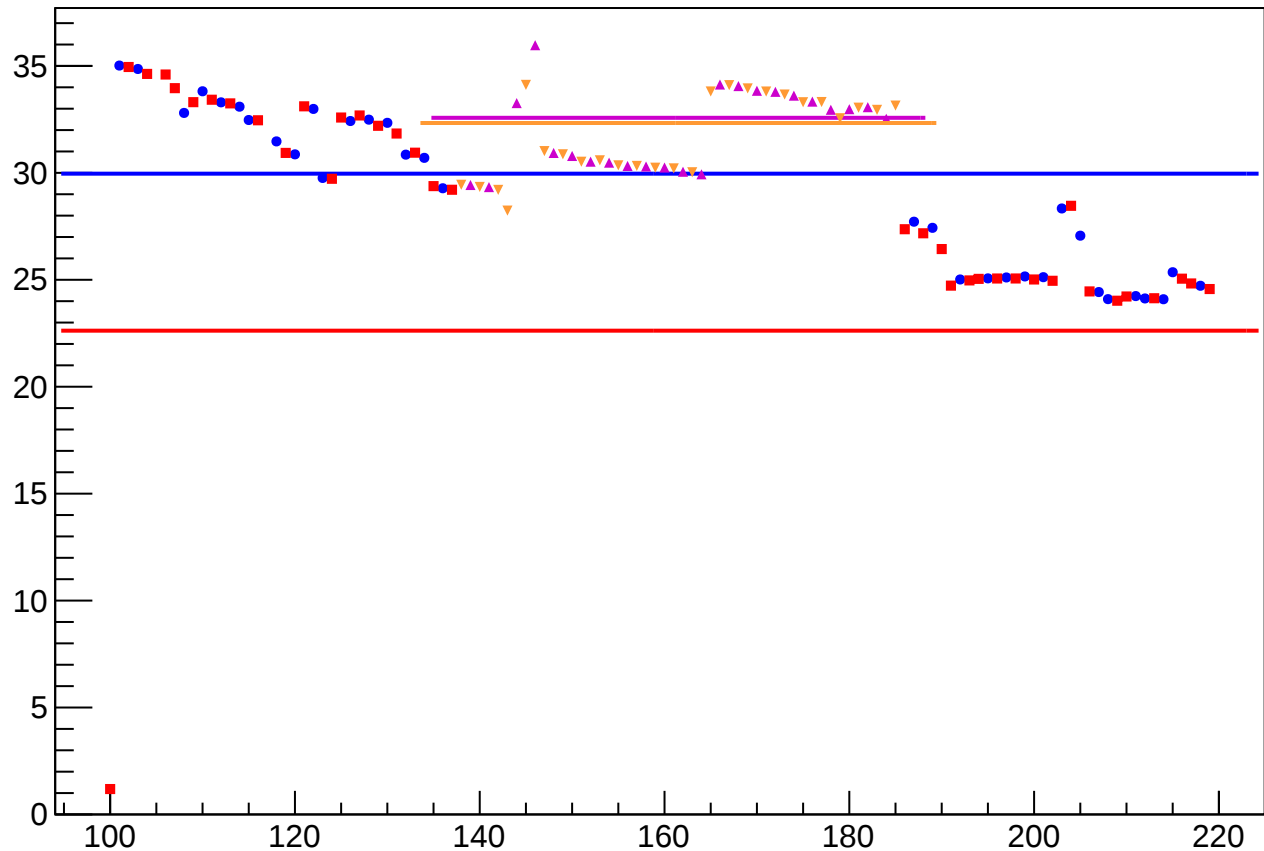
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 771132.0/22

+ sign 0.122 $\pm$ 0.000 χ^2 /NDF: 10457489.9/57

All: 0.125 $\pm$ 0.000 χ^2 /NDF: 21777726.4/117

- sign 0.128 $\pm$ 0.000 χ^2 /NDF: 11271108.6/59

yield_sam3_mean vs Slug



Right In: 29.962 $\pm$ 0.000 χ^2 /NDF: 11358266607.6/32

Left Out: 32.331 $\pm$ 0.000 χ^2 /NDF: 12850475096.2/24

Right Out: 22.621 $\pm$ 0.000 χ^2 /NDF: 232676444189.4/36

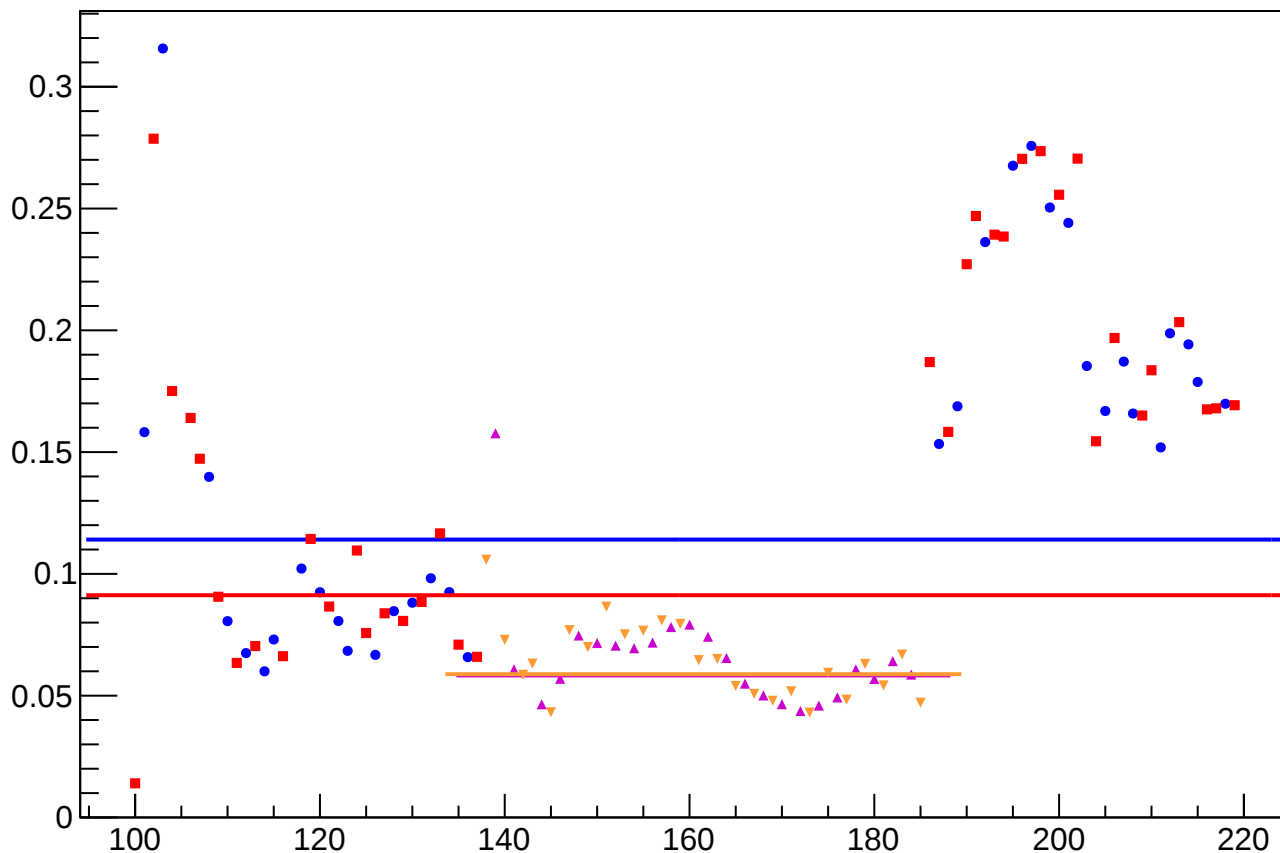
Left In: 32.574 $\pm$ 0.000 χ^2 /NDF: 11797772603.7/22

+ sign 31.862 $\pm$ 0.000 χ^2 /NDF: 28764497511.7/57

All: 30.909 $\pm$ 0.000 χ^2 /NDF: 383194804172.

- sign 29.989 $\pm$ 0.000 χ^2 /NDF: 345314889017.8/59

yield_sam3_rms vs Slug



Right In: 0.114+/-0.000 χ^2/NDF : 6846723.7/32

Left Out: 0.059+/-0.000 χ^2/NDF : 1402605.2/24

Right Out: 0.091+/-0.000 χ^2/NDF : 12829404.6/36

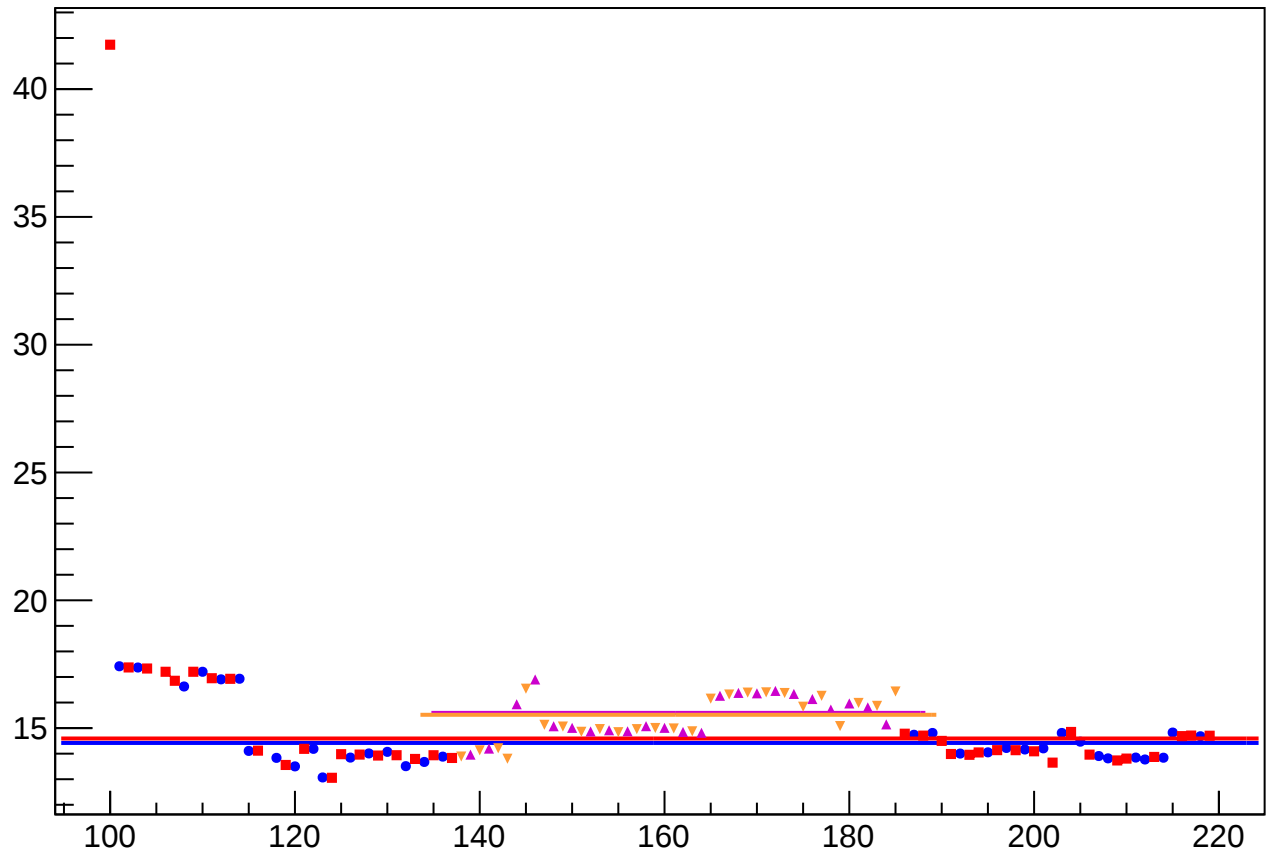
Left In: 0.058+/-0.000 χ^2/NDF : 1525476.4/22

+ sign 0.070+/-0.000 χ^2/NDF : 13206194.1/57

All: 0.068+/-0.000 χ^2/NDF : 29812053.6/117

- sign 0.067+/-0.000 χ^2/NDF : 16561743.2/59

yield_sam4_mean vs Slug



Right In: 14.419+/-0.000 χ^2/NDF : 1572933003.2/32

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.593+/-0.000 χ^2/NDF : 2039608223.4/36

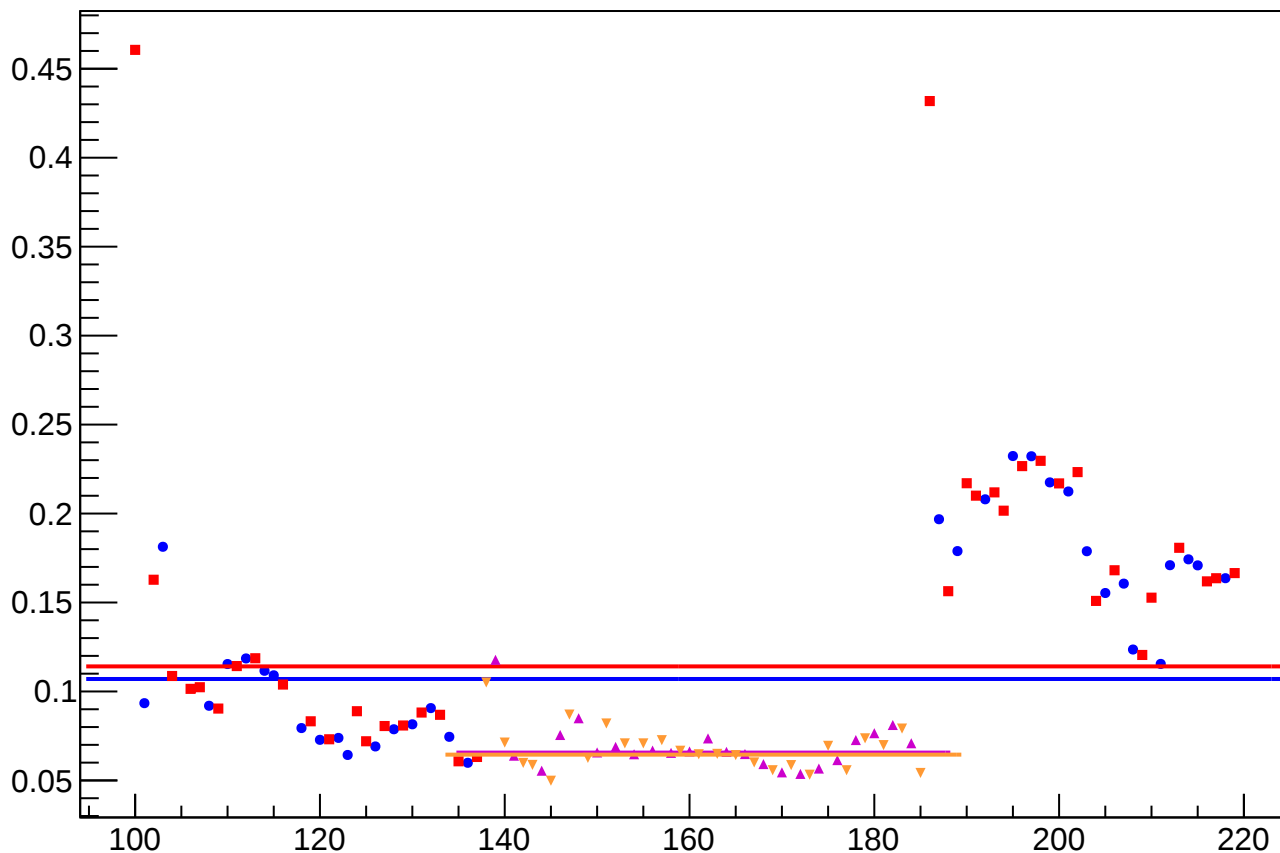
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.247+/-0.000 χ^2/NDF : 5295763130.7/57

All: 15.291+/-0.000 χ^2/NDF : 10149205122.6

- sign 15.338+/-0.000 χ^2/NDF : 4833532638.3/59

yield_sam4_rms vs Slug



Right In: 0.107 $\pm$ 0.000 χ^2 /NDF: 5743850.2/32

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.114 $\pm$ 0.000 χ^2 /NDF: 5780351.9/36

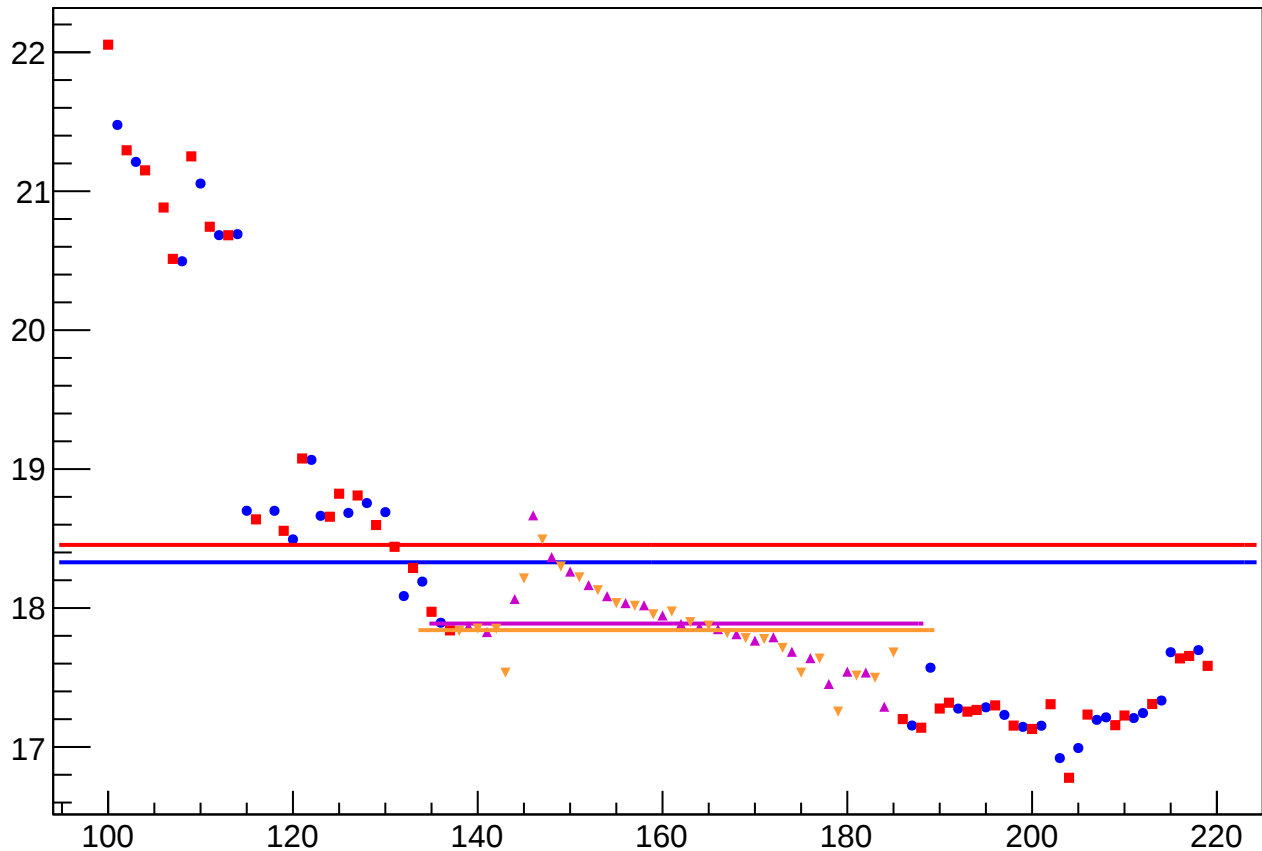
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.075 $\pm$ 0.000 χ^2 /NDF: 9874444.6/57

All: 0.077 $\pm$ 0.000 χ^2 /NDF: 20552636.3/117

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 10634617.2/59

yield_sam5_mean vs Slug



Right In: 18.329+/-0.000 χ^2/NDF : 32682585637.8/32

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.454+/-0.000 χ^2/NDF : 35021506554.5/36

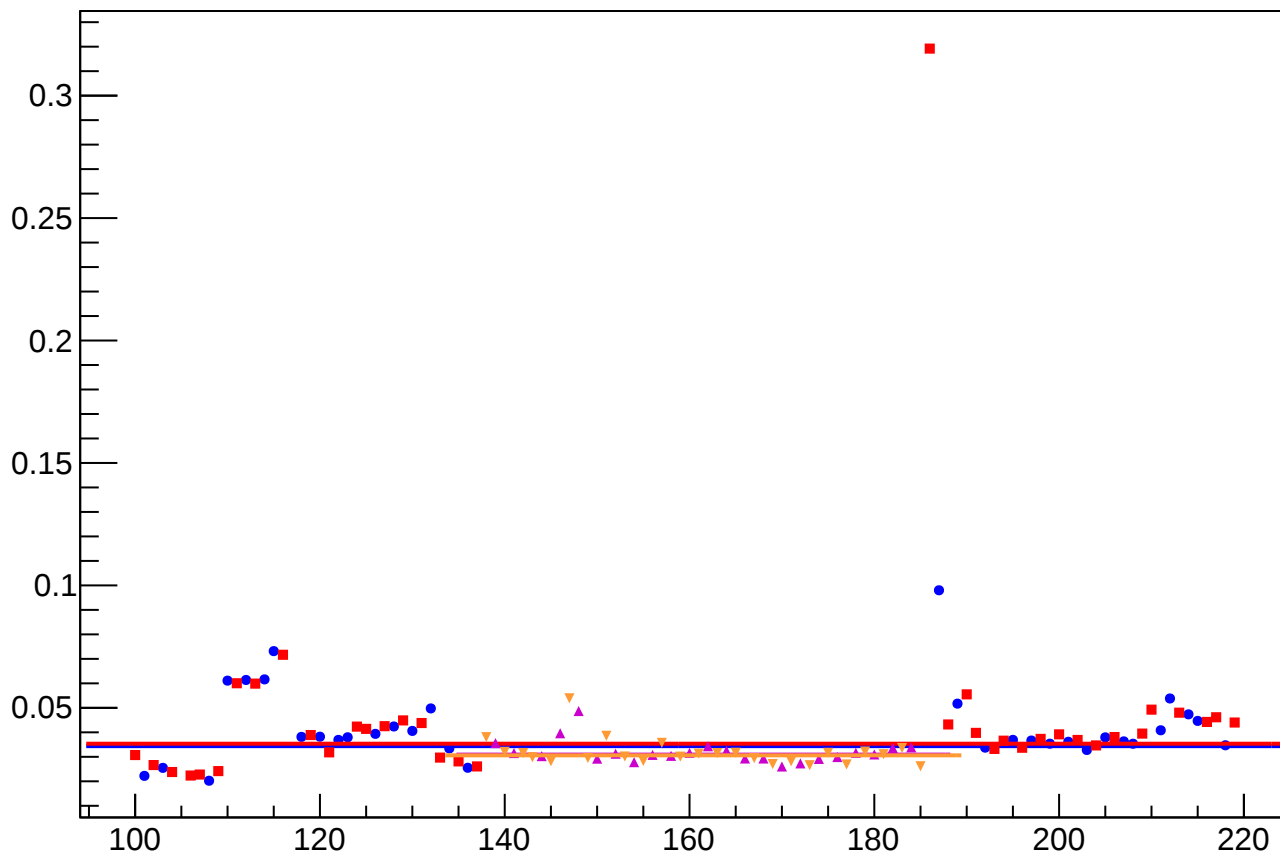
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.048+/-0.000 χ^2/NDF : 35846539322.3/57

All: 18.092+/-0.000 χ^2/NDF : 74657810641.6

- sign 18.138+/-0.000 χ^2/NDF : 38681398067.0/59

yield_sam5_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 2185172.6/32

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 2647174.9/36

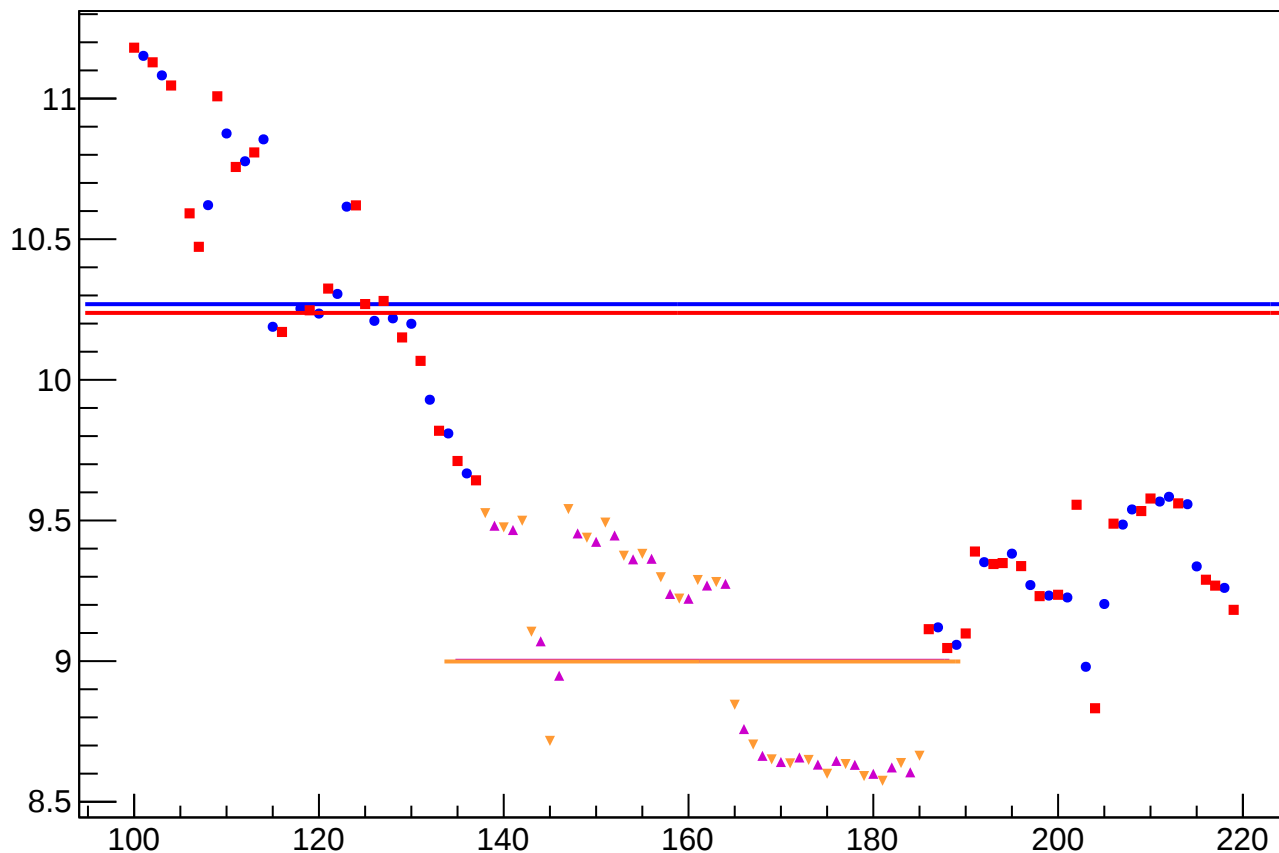
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2998102.6/57

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 6416691.3/117

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3404386.2/59

yield_sam6_mean vs Slug



Right In: 10.269 $\pm$ 0.000 χ^2 /NDF: 17718761544.6/32

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.238 $\pm$ 0.000 χ^2 /NDF: 16953645843.2/36

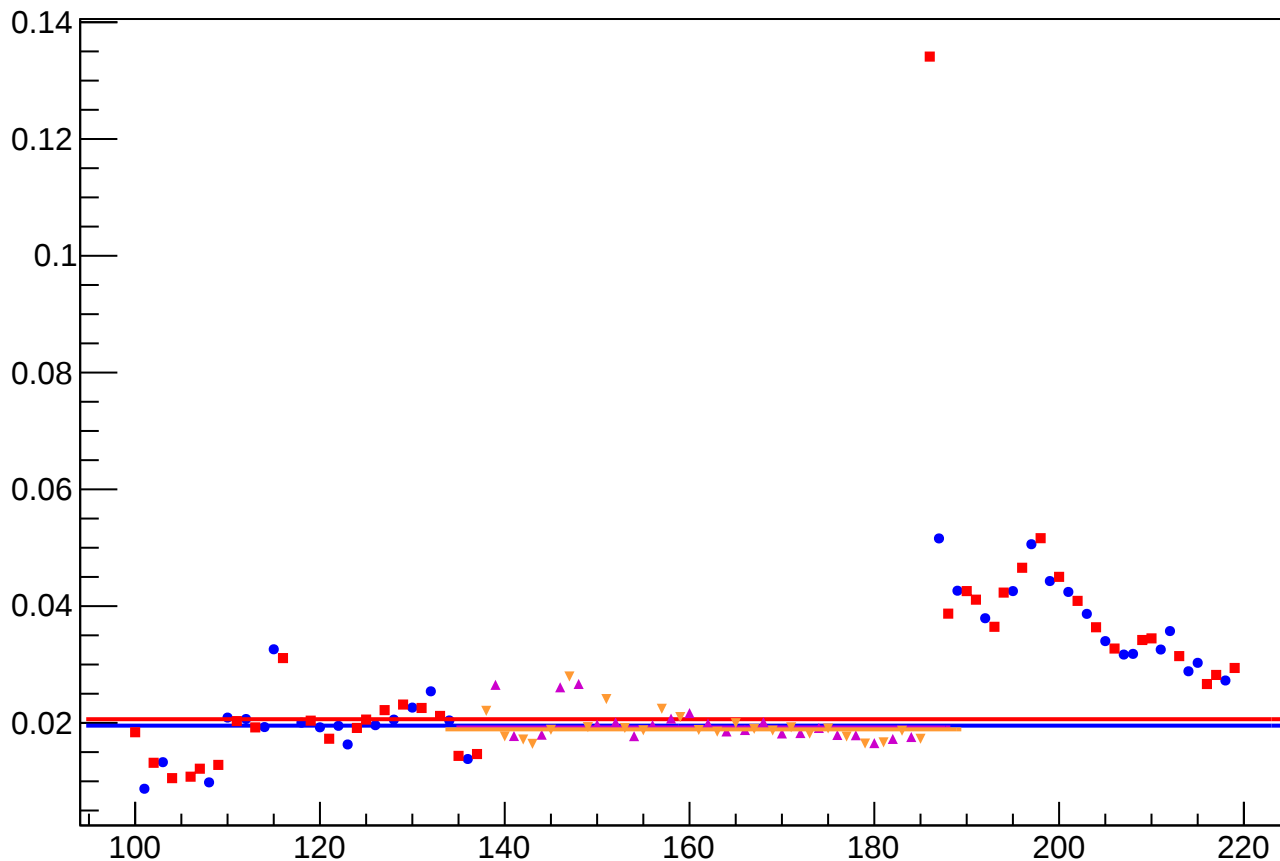
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.541 $\pm$ 0.000 χ^2 /NDF: 56468327248.0/57

All: 9.547 $\pm$ 0.000 χ^2 /NDF: 107964058405.7

- sign 9.553 $\pm$ 0.000 χ^2 /NDF: 51489721024.8/59

yield_sam6_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 7653670.9/32

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.021+/-0.000 χ^2/NDF : 7544239.5/36

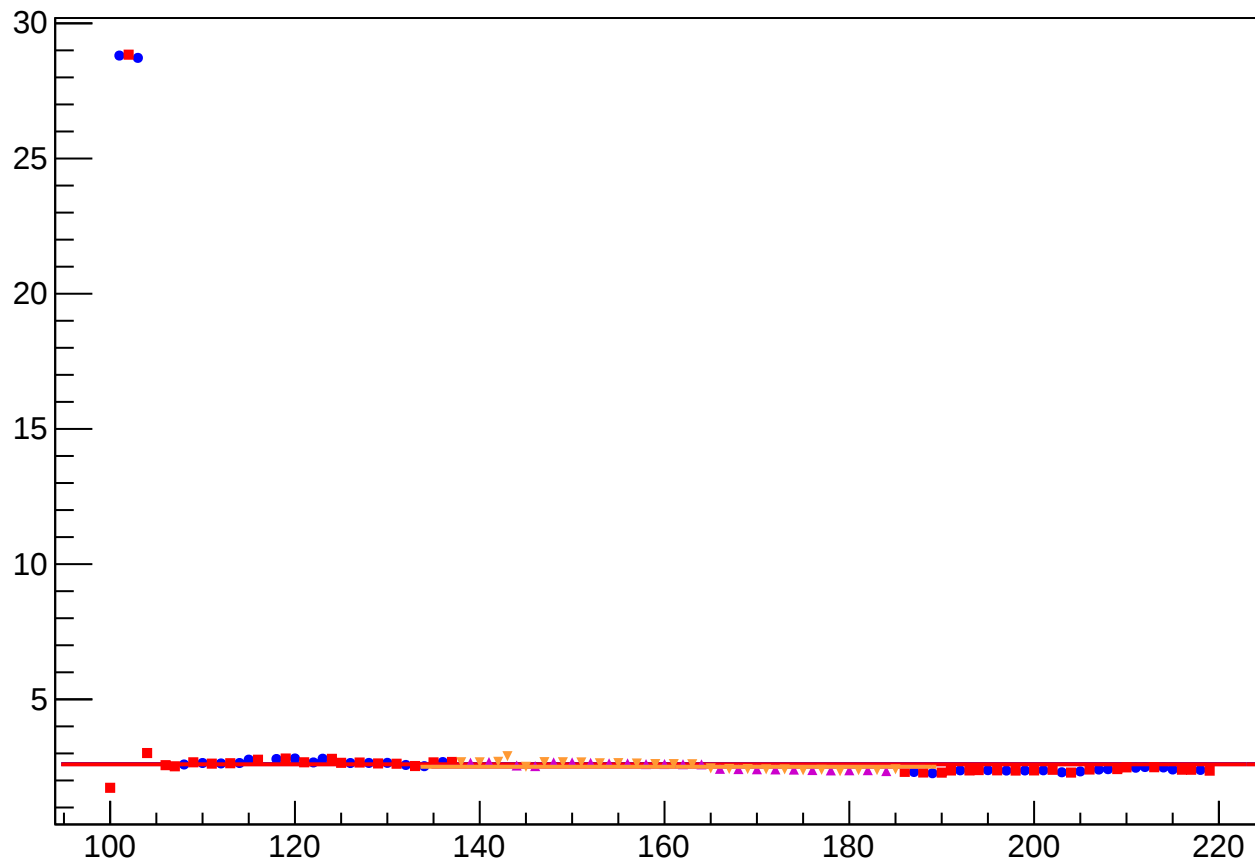
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.019+/-0.000 χ^2/NDF : 8098063.8/57

All: 0.020+/-0.000 χ^2/NDF : 16237636.6/117

- sign 0.020+/-0.000 χ^2/NDF : 8102143.9/59

yield_sam7_mean vs Slug



Right In: 2.606 $\pm$ 0.000 χ^2 /NDF: 185375250406.2/32

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.598 $\pm$ 0.000 χ^2 /NDF: 9675755515.0/36

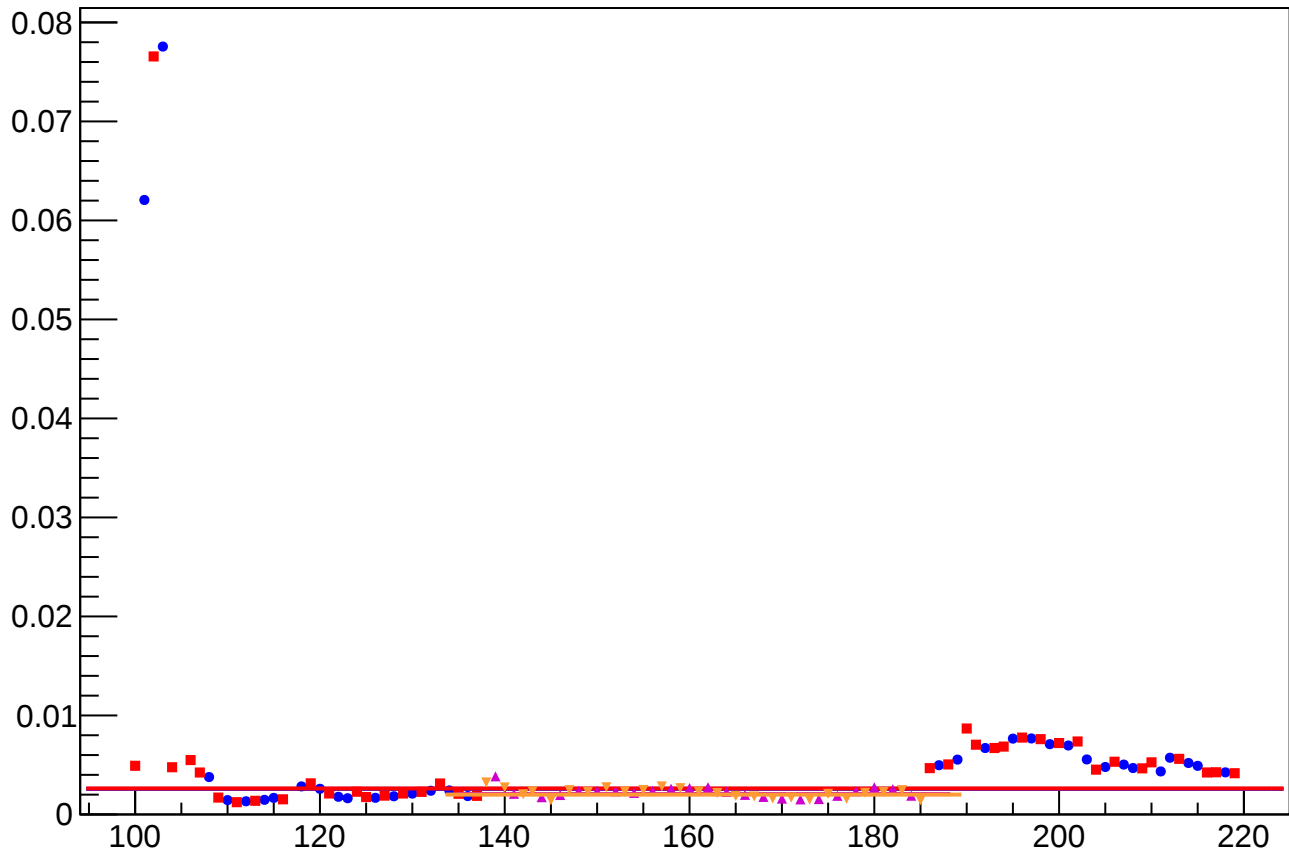
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.538 $\pm$ 0.000 χ^2 /NDF: 261152214523.9/57

All: 2.538 $\pm$ 0.000 χ^2 /NDF: 410779107296.7

- sign 2.538 $\pm$ 0.000 χ^2 /NDF: 149626689687.4/59

yield_sam7_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 10803148.8/32

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10987157.4/36

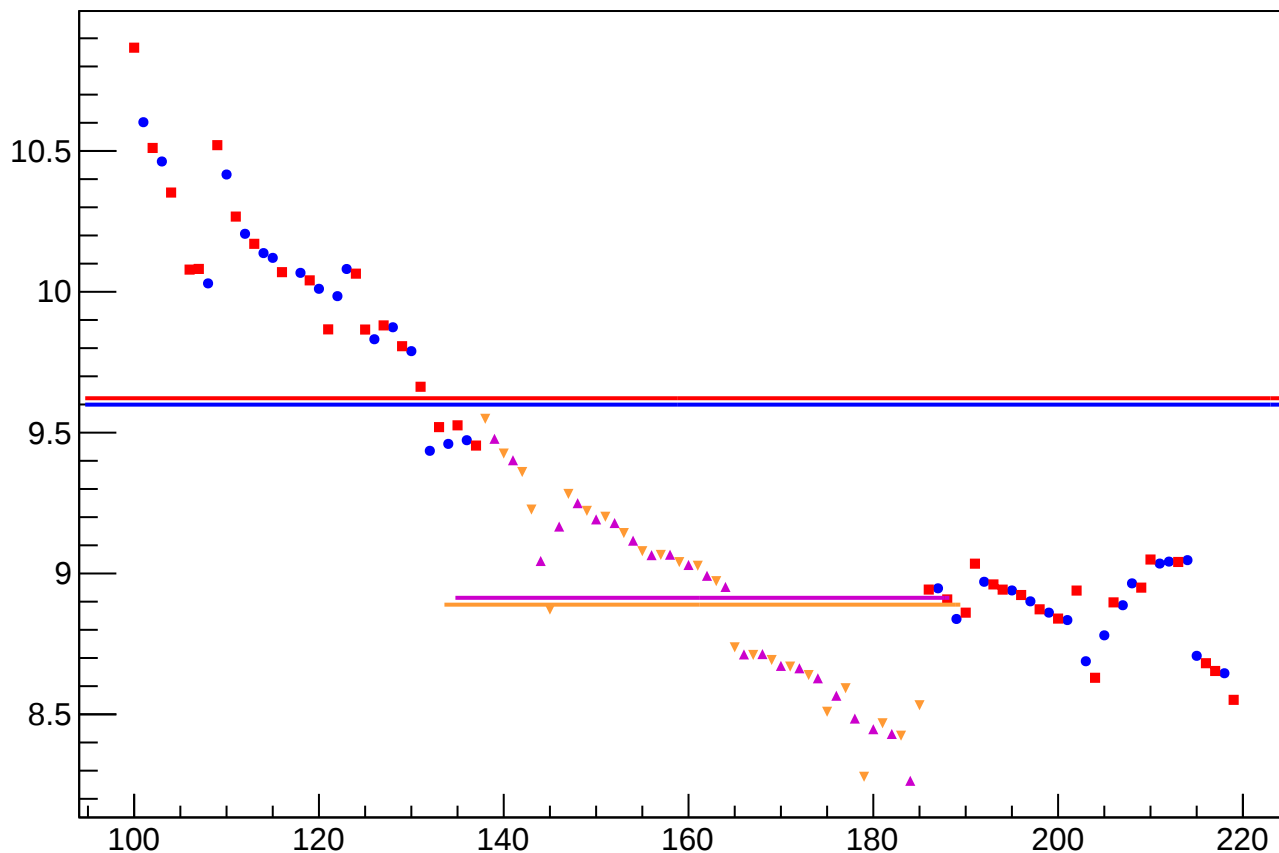
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13056564.2/57

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 26117125.8/117

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13036646.8/59

yield_sam8_mean vs Slug



Right In: 9.599 $\pm$ 0.000 χ^2 /NDF: 100216850015.4/32

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.622 $\pm$ 0.000 χ^2 /NDF: 13035525719.6/36

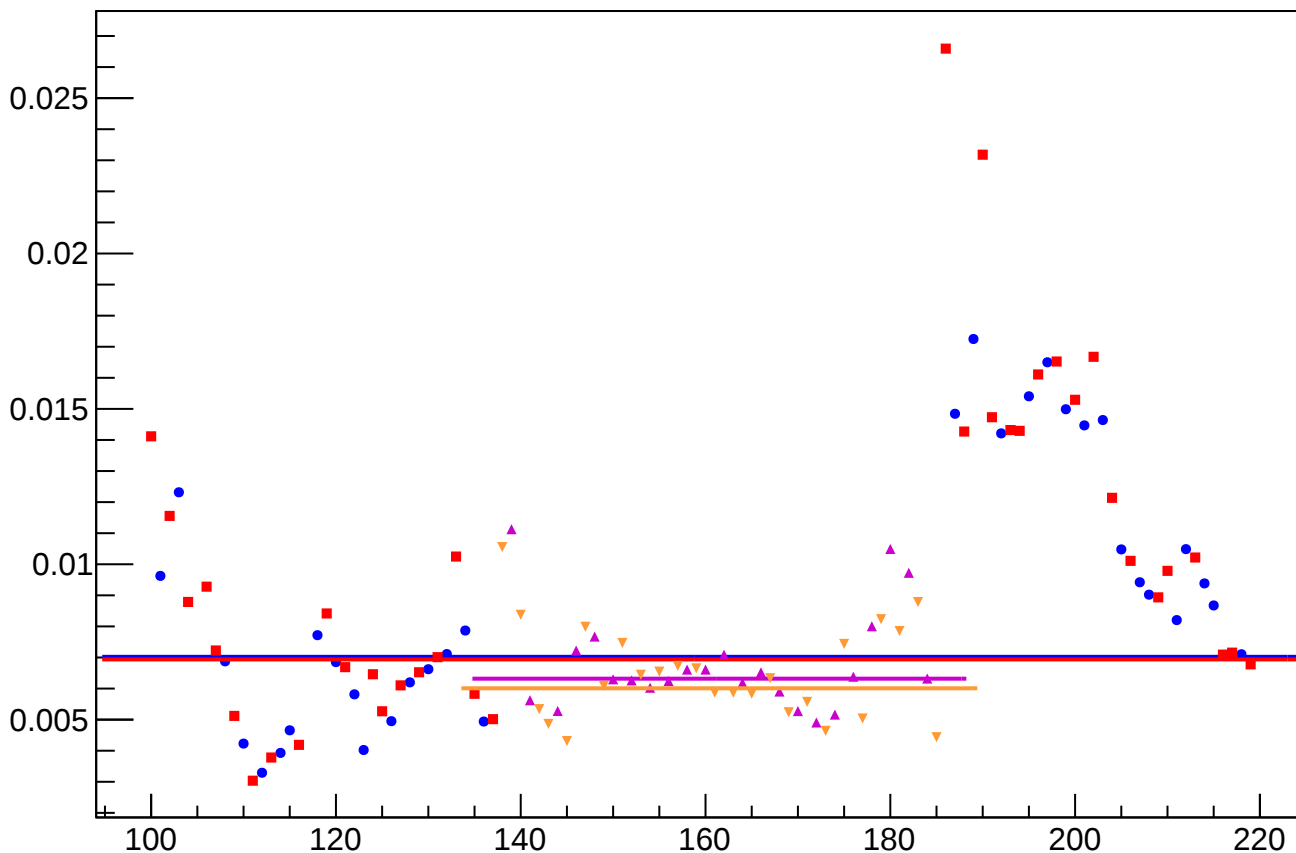
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.179 $\pm$ 0.000 χ^2 /NDF: 217706450166.1/57

All: 9.209 $\pm$ 0.000 χ^2 /NDF: 458228986980.8

- sign 9.240 $\pm$ 0.000 χ^2 /NDF: 239295659184.5/59

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6093607.1/32

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7553864.3/36

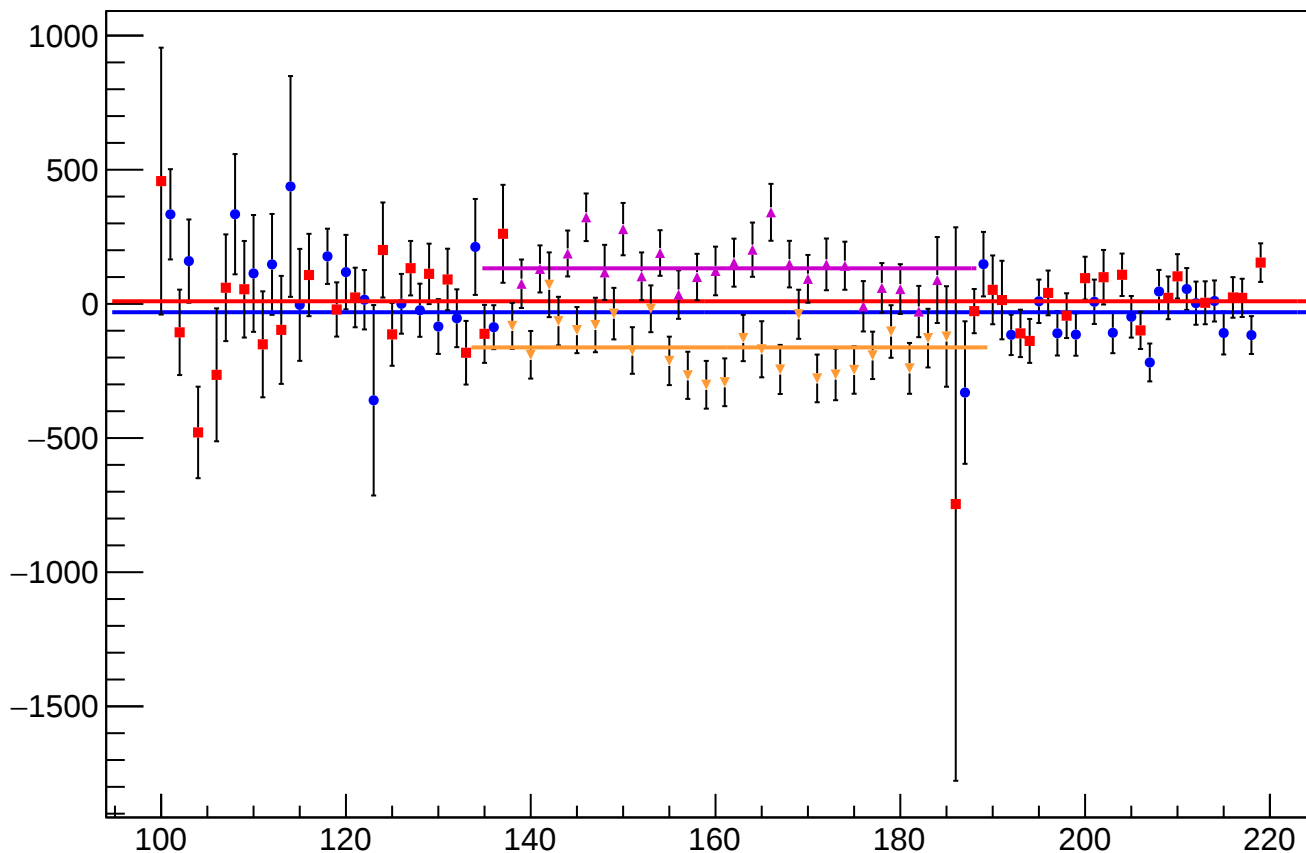
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7742551.0/57

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 16528187.7/117

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8763874.2/59

reg_asym_sam1_mean vs Slug



Right In: -31.081 ± 17.248 χ^2/NDF : 40.9/32

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: 9.790 ± 17.066 χ^2/NDF : 41.0/36

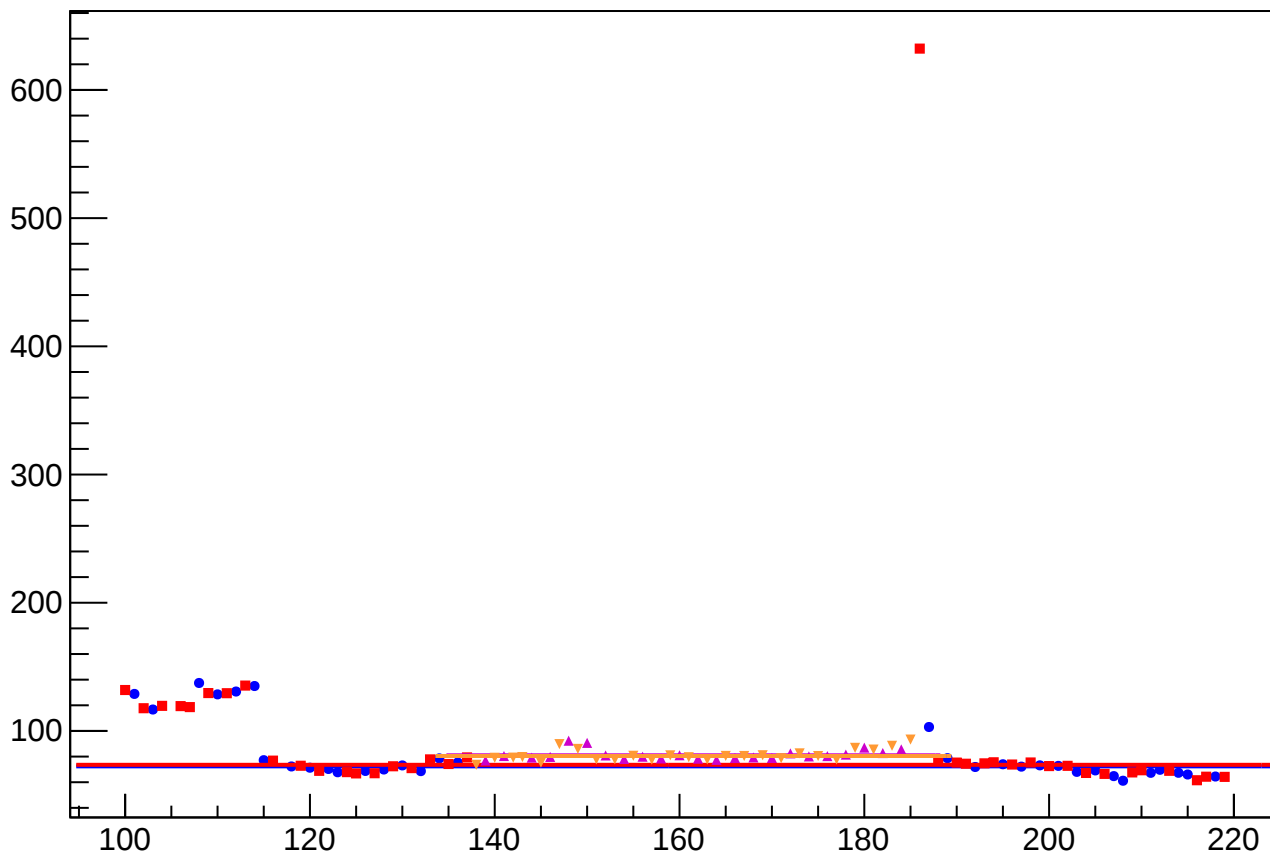
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -91.178 ± 12.692 χ^2/NDF : 93.1/57

All: -14.662 ± 9.018 χ^2/NDF : 250.8/117

- sign 63.339 ± 12.815 χ^2/NDF : 84.3/59

reg_asym_sam1_rms vs Slug



Right In: 72.378+/-0.012 χ^2/NDF : 1105256.0/32

Left Out: 80.459+/-0.013 χ^2/NDF : 89942.2/24

Right Out: 73.583+/-0.012 χ^2/NDF : 1838014.3/36

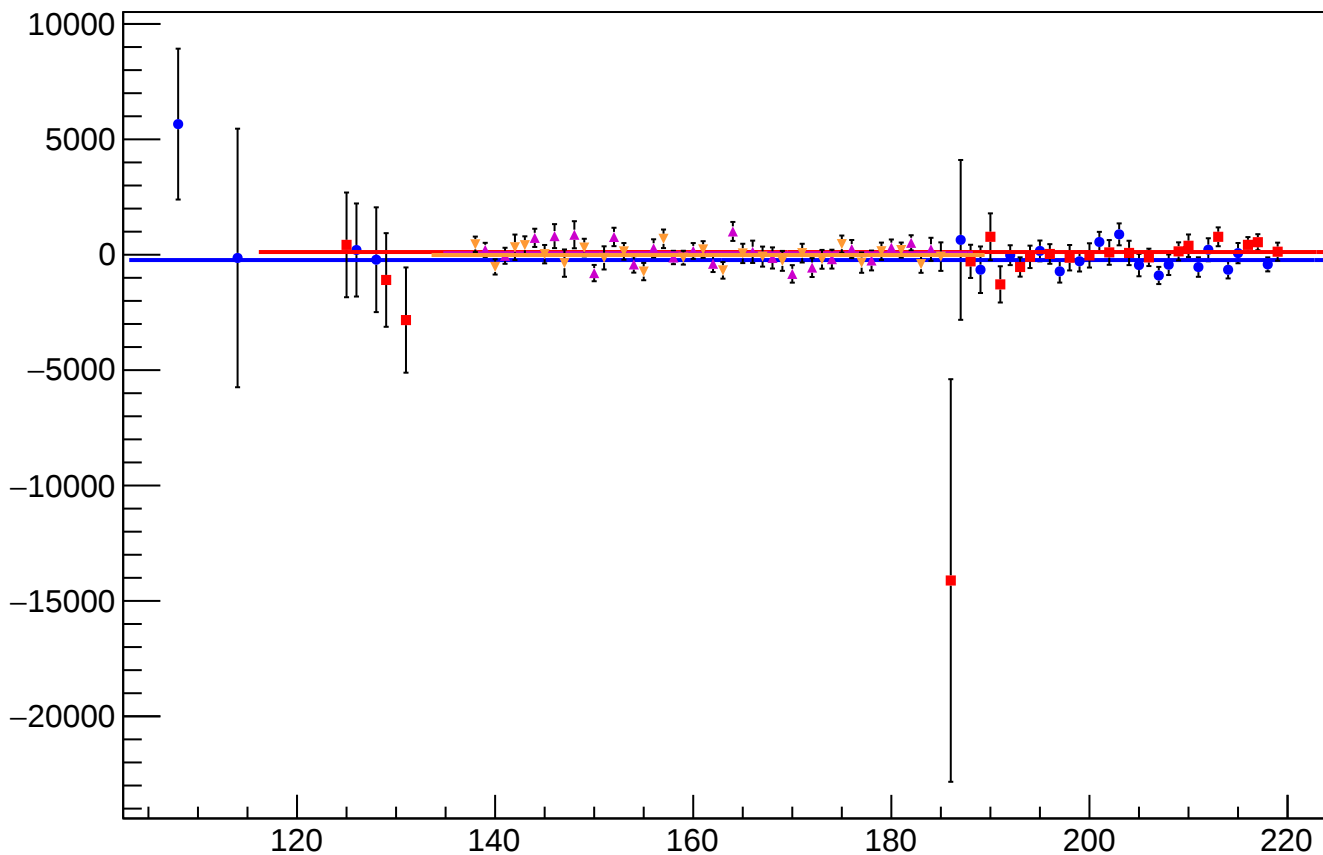
Left In: 81.014+/-0.014 χ^2/NDF : 72250.2/22

+ sign 76.083+/-0.009 χ^2/NDF : 1396474.0/57

All: 76.450+/-0.006 χ^2/NDF : 3475498.4/117

- sign 76.824+/-0.009 χ^2/NDF : 2075644.8/59

asym_sam1_correction_mean vs Slug



Right In: -230.286 ± 111.752 χ^2/NDF : 21.3/19

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: 117.508 ± 110.435 χ^2/NDF : 17.2/20

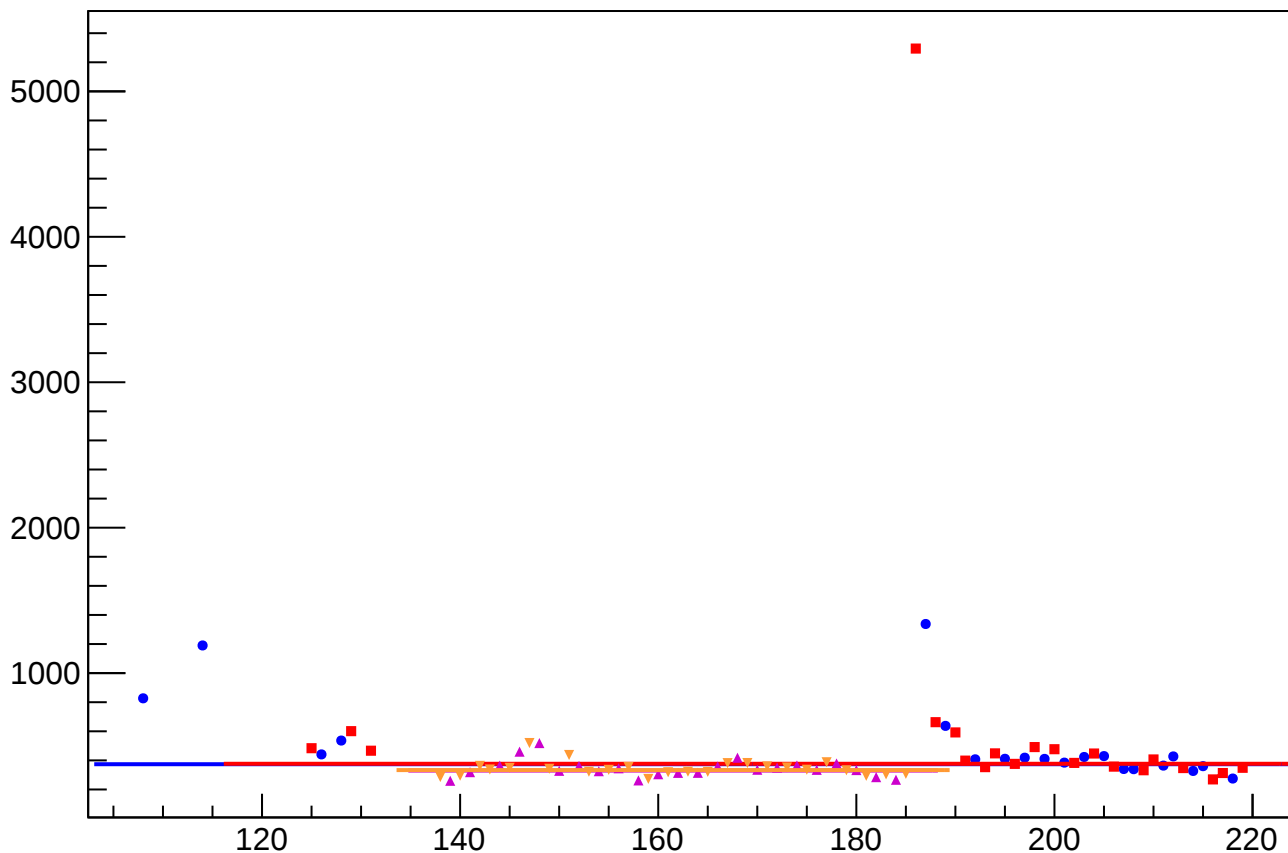
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -82.973 ± 64.176 χ^2/NDF : 46.4/44

All: -0.895 ± 45.602 χ^2/NDF : 104.5/88

- sign 82.817 ± 64.812 χ^2/NDF : 54.8/43

asym_sam1_correction_rms vs Slug



Right In: 373.672+/-0.079 χ^2/NDF : 784749.7/19

Left Out: 333.233+/-0.055 χ^2/NDF : 592122.2/24

Right Out: 376.710+/-0.078 χ^2/NDF : 1650929.8/20

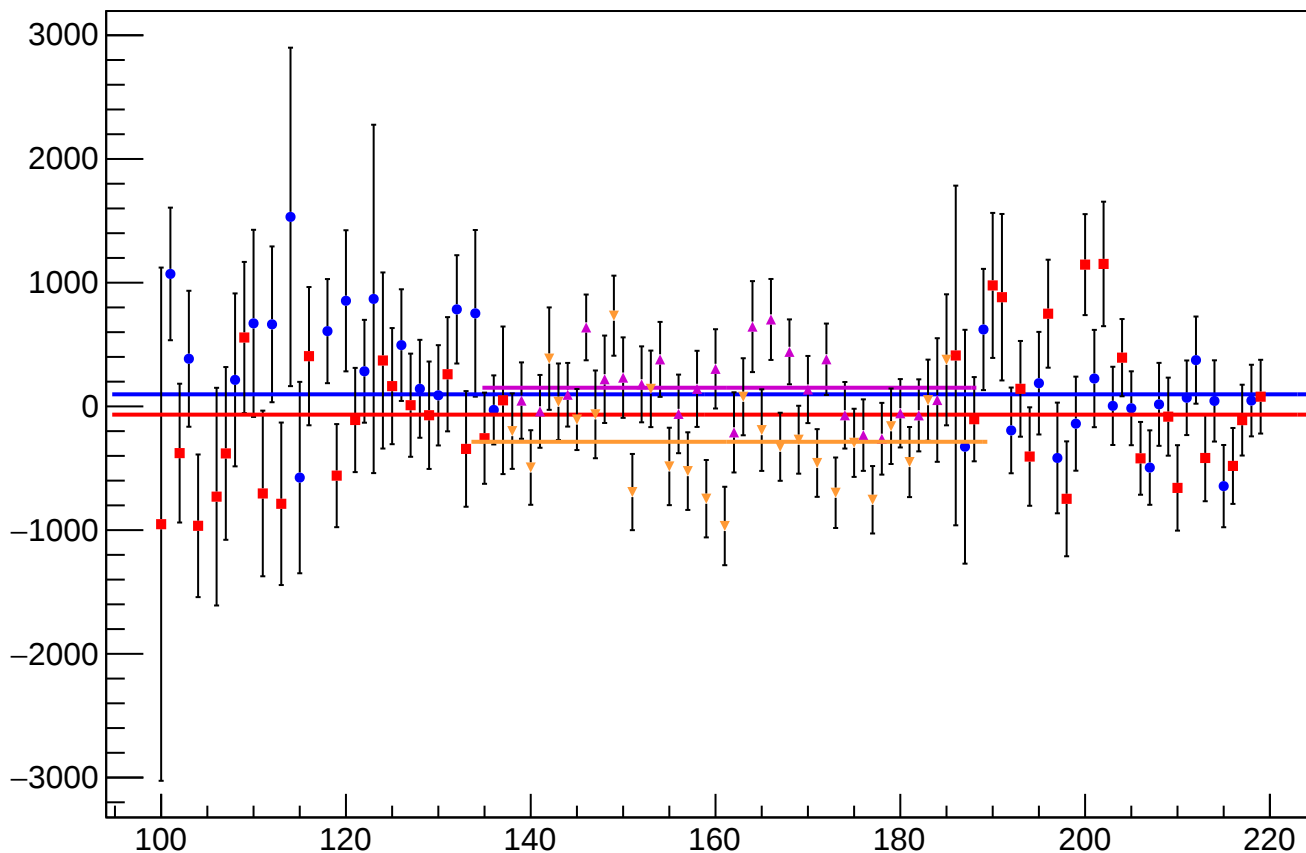
Left In: 329.985+/-0.057 χ^2/NDF : 795969.0/22

+ sign 346.569+/-0.045 χ^2/NDF : 1552388.3/44

All: 346.326+/-0.032 χ^2/NDF : 4234053.9/88

- sign 346.079+/-0.046 χ^2/NDF : 2681607.8/43

reg_asym_sam2_mean vs Slug



Right In: 97.633 ± 71.381 χ^2/NDF : 28.7/32

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: -66.573 ± 71.024 χ^2/NDF : 47.1/36

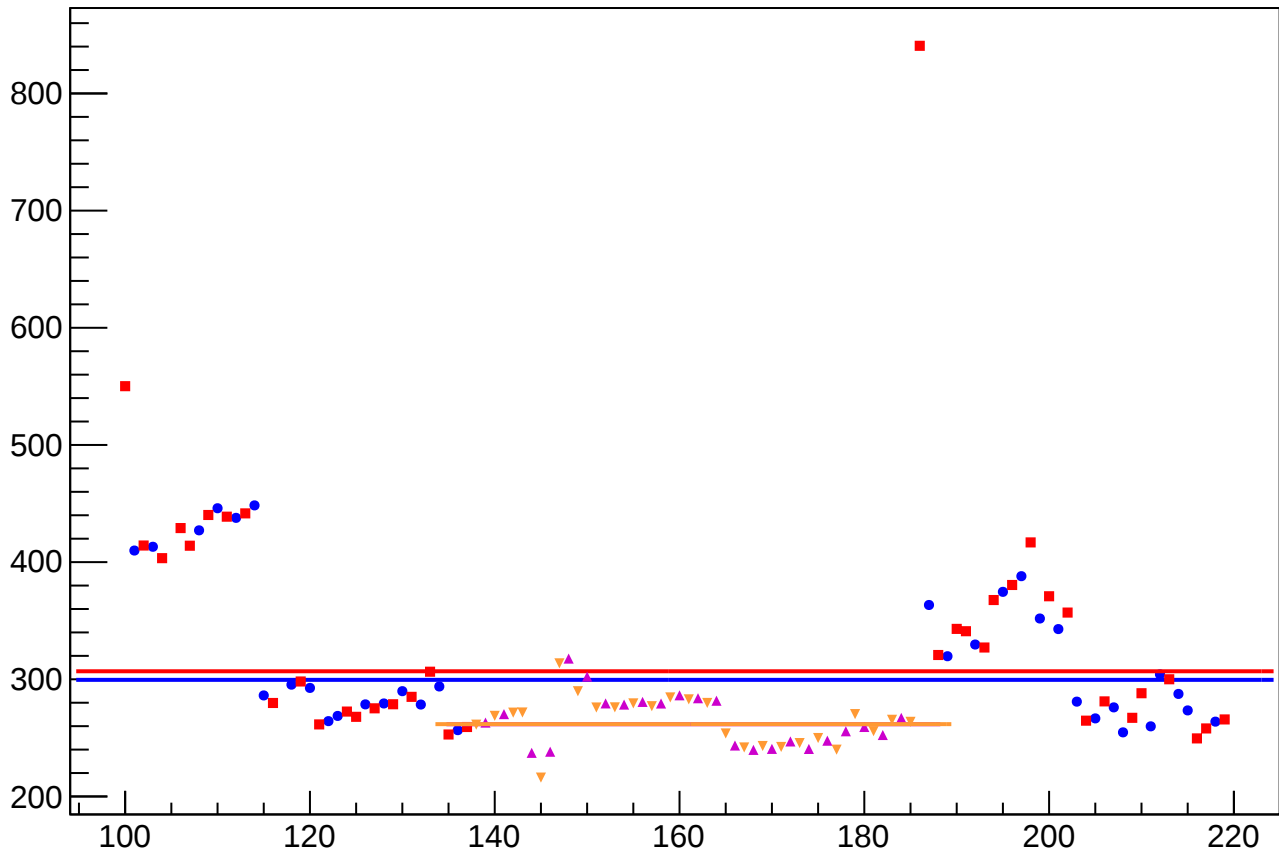
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -123.812 ± 46.415 χ^2/NDF : 82.0/57

All: -35.402 ± 33.044 χ^2/NDF : 160.3/117

- sign 55.459 ± 47.054 χ^2/NDF : 71.0/59

reg_asym_sam2_rms vs Slug



Right In: 299.527 $\pm$ 0.050 χ^2 /NDF: 904463.5/32

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 306.851 $\pm$ 0.050 χ^2 /NDF: 1491637.0/36

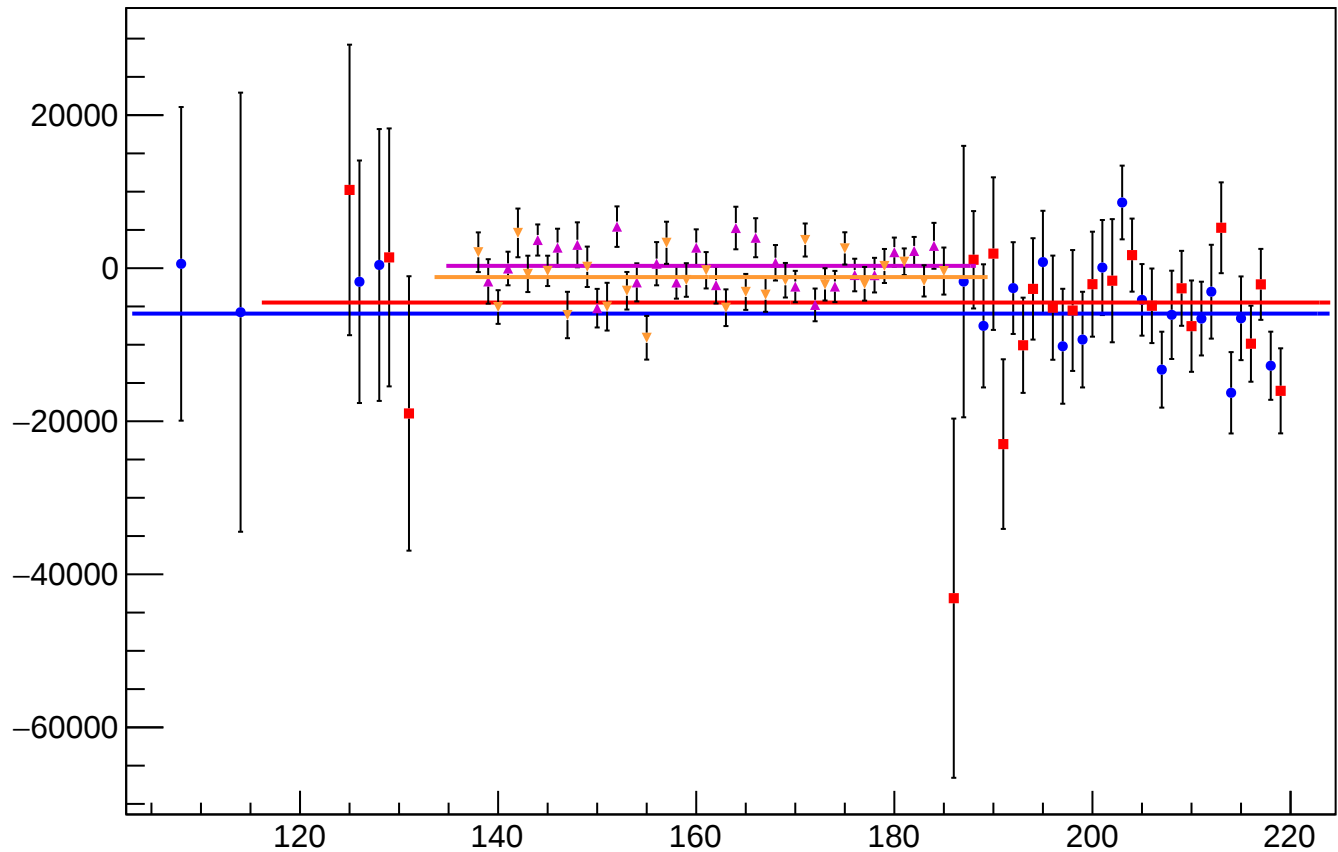
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 277.706 $\pm$ 0.033 χ^2 /NDF: 1461491.5/57

All: 279.568 $\pm$ 0.023 χ^2 /NDF: 3642665.2/117

- sign 281.482 $\pm$ 0.033 χ^2 /NDF: 2174648.2/59

asym_sam2_correction_mean vs Slug



Right In: -5933.505 ± 1418.203 χ^2/NDF : 21.1/19

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -4488.275 ± 1442.281 χ^2/NDF : 19.8/20

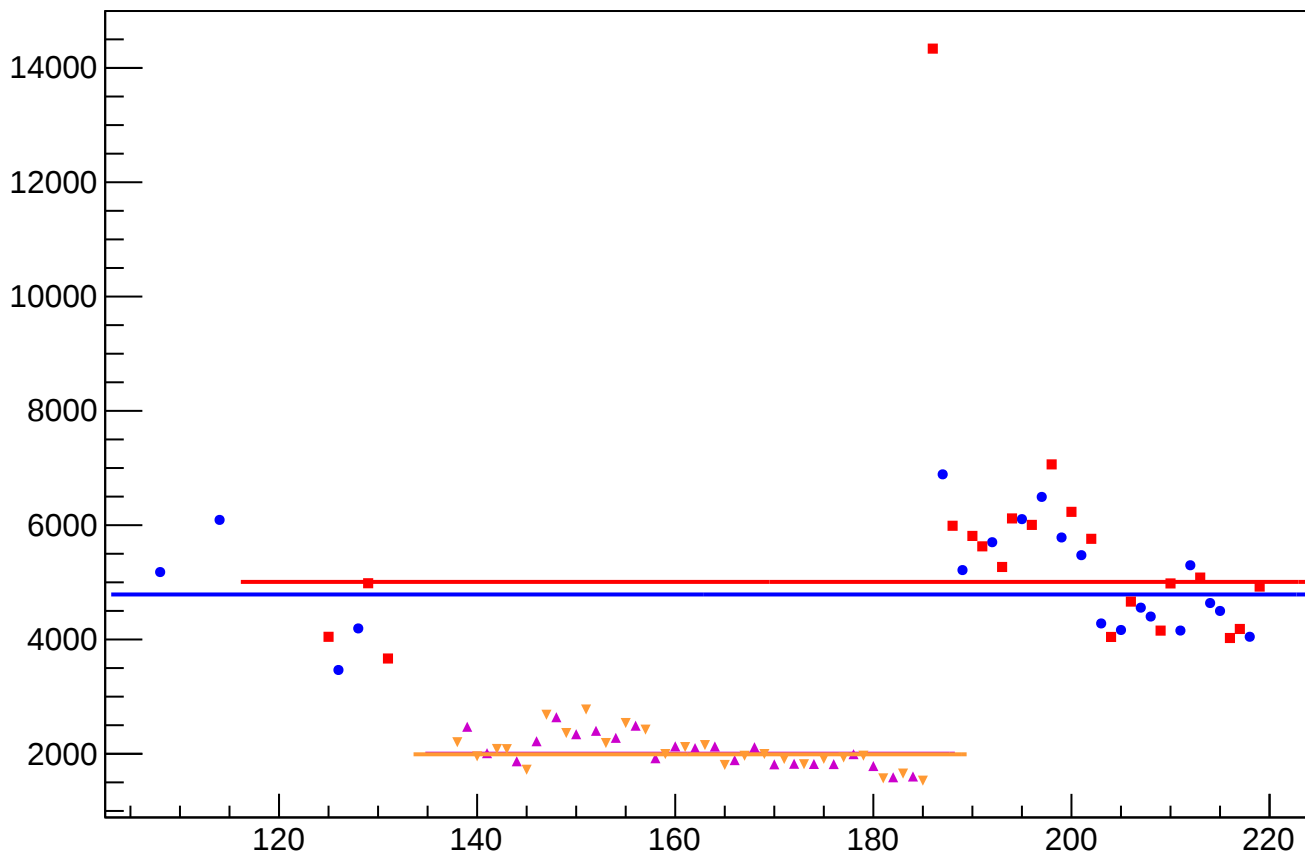
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1631.945 ± 445.314 χ^2/NDF : 70.0/44

All: -927.567 ± 319.500 χ^2/NDF : 140.2/88

- sign -180.324 ± 458.664 χ^2/NDF : 65.1/43

asym_sam2_correction_rms vs Slug



Right In: 4787.642 $\pm$ 1.003 χ^2 /NDF: 538789.3/19

Left Out: 1991.105 $\pm$ 0.332 χ^2 /NDF: 726310.6/24

Right Out: 5007.588 $\pm$ 1.020 χ^2 /NDF: 1013122.3/20

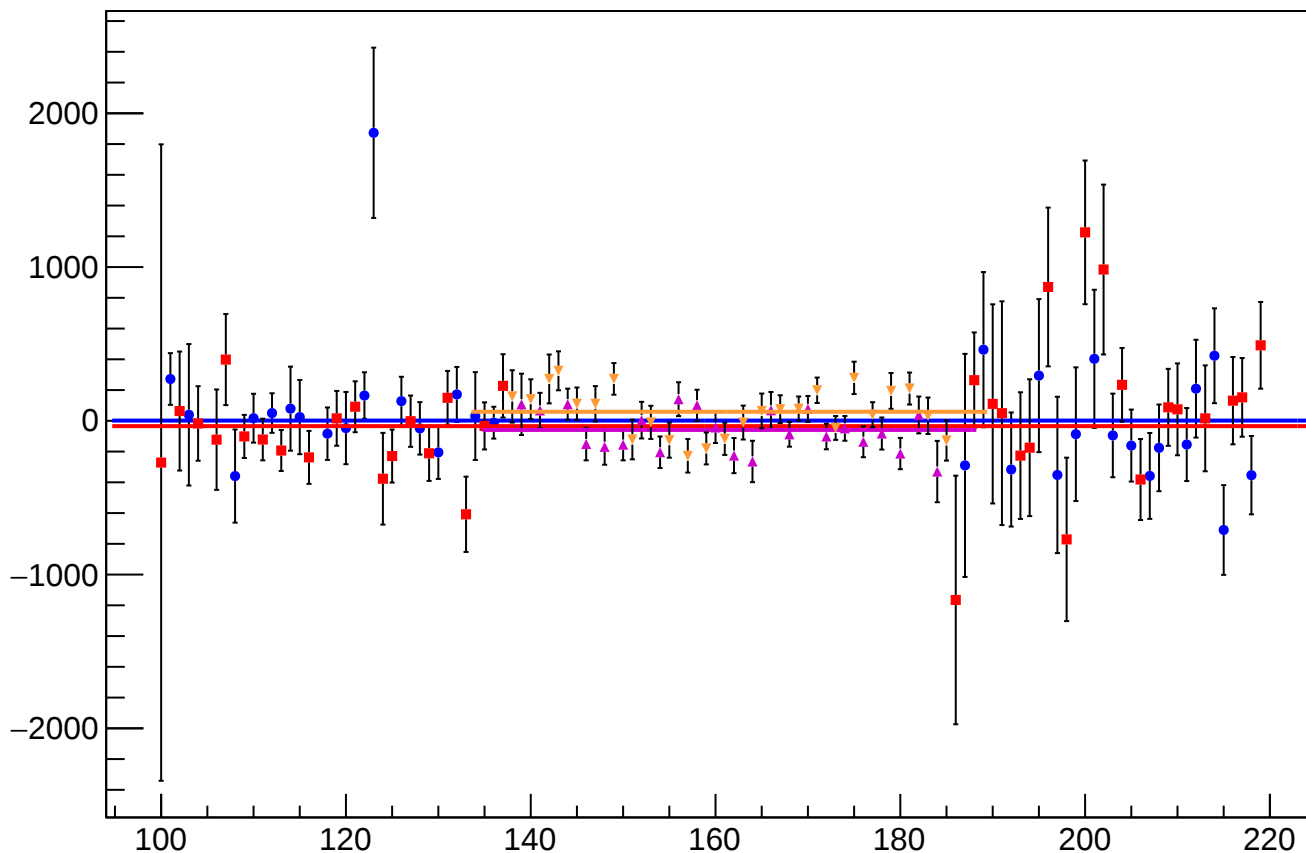
Left In: 2002.154 $\pm$ 0.342 χ^2 /NDF: 585947.4/22

+ sign 2266.830 $\pm$ 0.315 χ^2 /NDF: 8275038.0/44

All: 2285.885 $\pm$ 0.226 χ^2 /NDF: 17687866.0/8

- sign 2306.099 $\pm$ 0.324 χ^2 /NDF: 9405281.2/43

reg_asym_sam3_mean vs Slug



Right In: 1.581 ± 38.378 χ^2/NDF : 36.9/32

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -34.610 ± 38.194 χ^2/NDF : 44.9/36

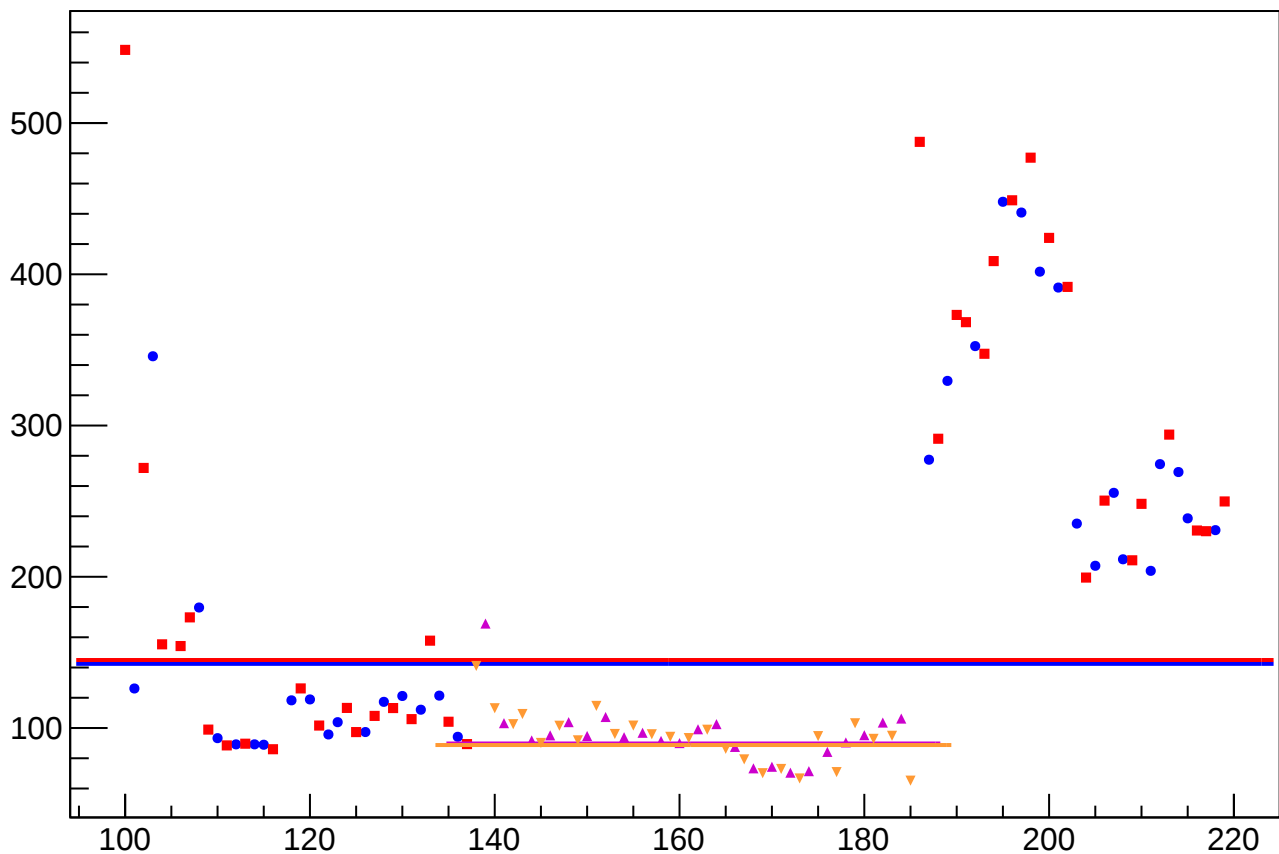
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 45.623 ± 18.515 χ^2/NDF : 85.5/57

All: -2.446 ± 13.264 χ^2/NDF : 174.0/117

- sign -53.133 ± 19.012 χ^2/NDF : 74.6/59

reg_asym_sam3_rms vs Slug



Right In: 142.426 $\pm$ 0.027 χ^2 /NDF: 8007685.0/32

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 144.963 $\pm$ 0.027 χ^2 /NDF: 9216068.1/36

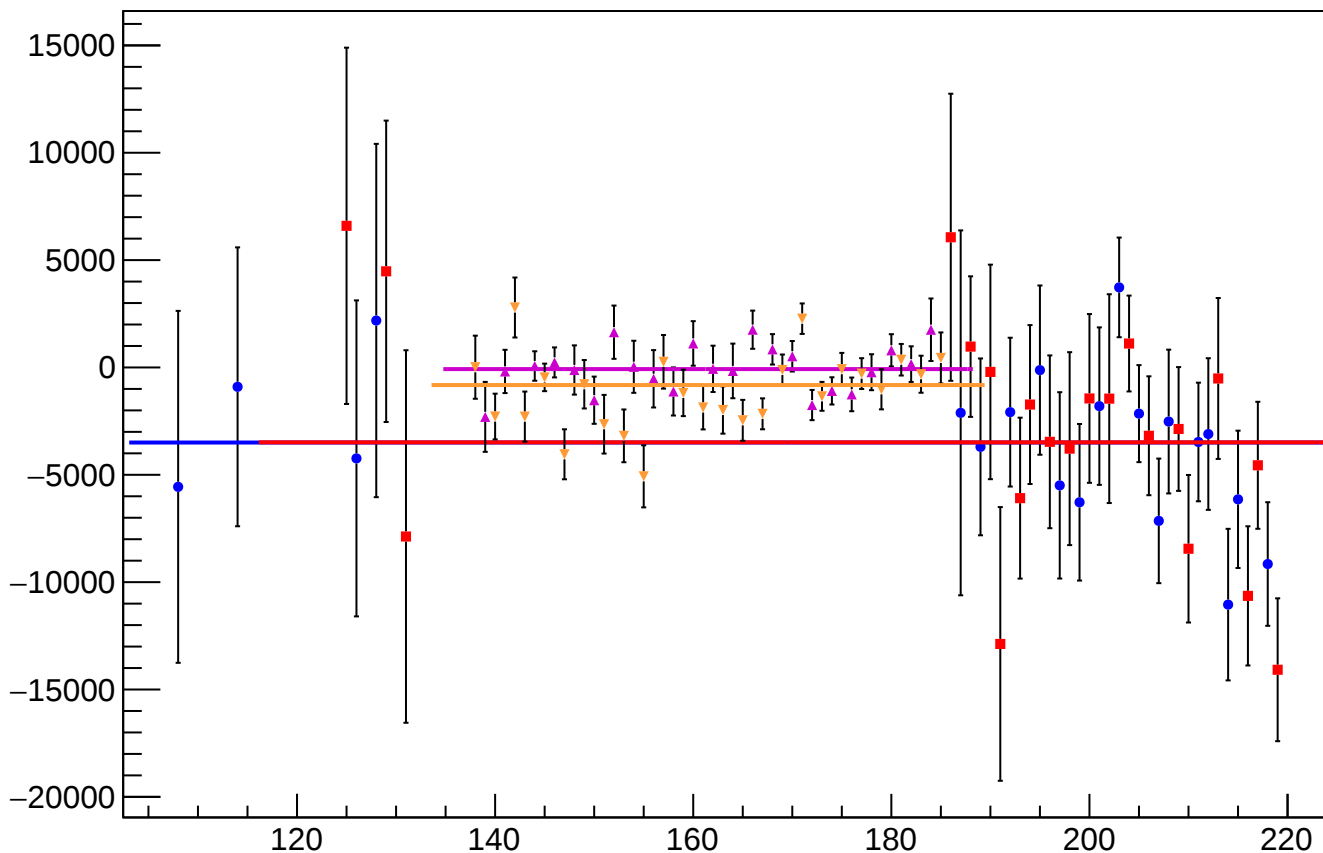
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 101.241 $\pm$ 0.013 χ^2 /NDF: 12088934.6/57

All: 102.313 $\pm$ 0.009 χ^2 /NDF: 25346582.7/1

- sign 103.443 $\pm$ 0.013 χ^2 /NDF: 13243886.6/59

asym_sam3_correction_mean vs Slug



Right In: -3496.525 $\pm$ 791.946 χ^2 /NDF: 23.5/19

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF: 68.2/24

Right Out: -3487.823 $\pm$ 816.987 χ^2 /NDF: 32.8/20

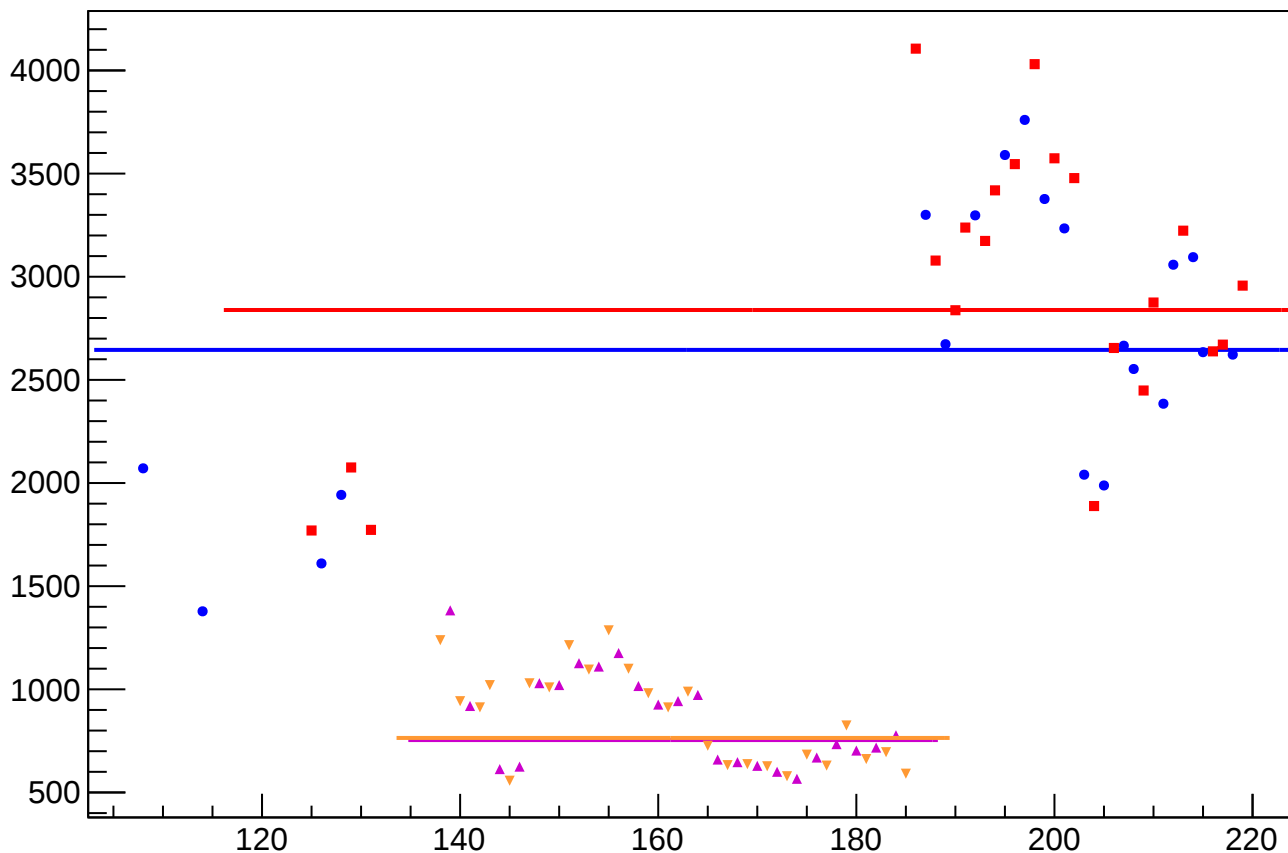
Left In: -76.204 $\pm$ 186.651 χ^2 /NDF: 28.3/22

+ sign -956.674 $\pm$ 179.655 χ^2 /NDF: 102.6/44

All: -605.596 $\pm$ 127.843 χ^2 /NDF: 188.0/88

- sign -245.440 $\pm$ 181.962 χ^2 /NDF: 77.7/43

asym_sam3_correction_rms vs Slug



Right In: 2645.364+/-0.560 χ^2/NDF : 986417.7/19

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 2838.779+/-0.578 χ^2/NDF : 995452.8/20

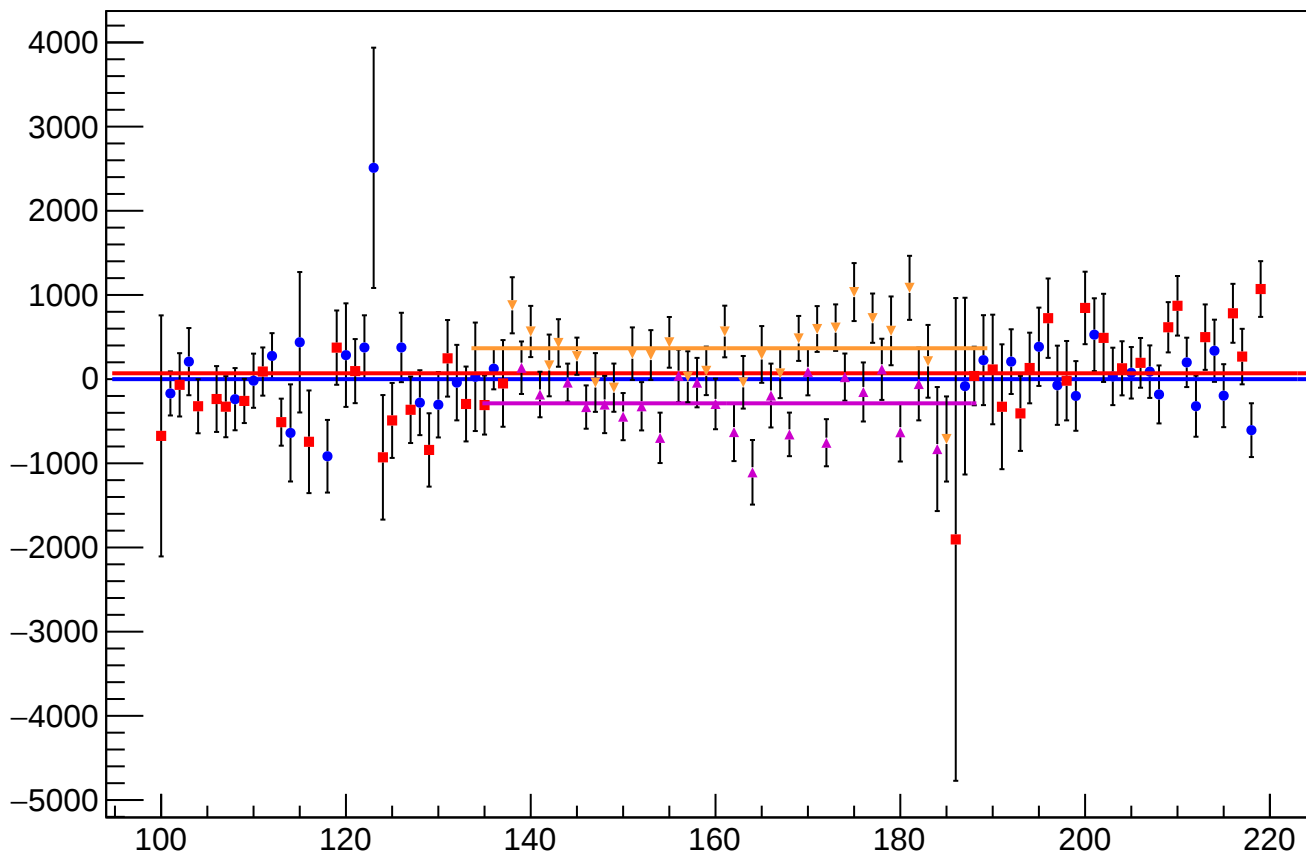
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 861.084+/-0.127 χ^2/NDF : 14005520.6/44

All: 859.287+/-0.090 χ^2/NDF : 29391679.7/80

- sign 857.443+/-0.129 χ^2/NDF : 15385753.5/43

reg_asym_sam4_mean vs Slug



Right In: -0.185 ± 66.307 χ^2/NDF : 24.0/32

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: 69.459 ± 64.456 χ^2/NDF : 54.2/36

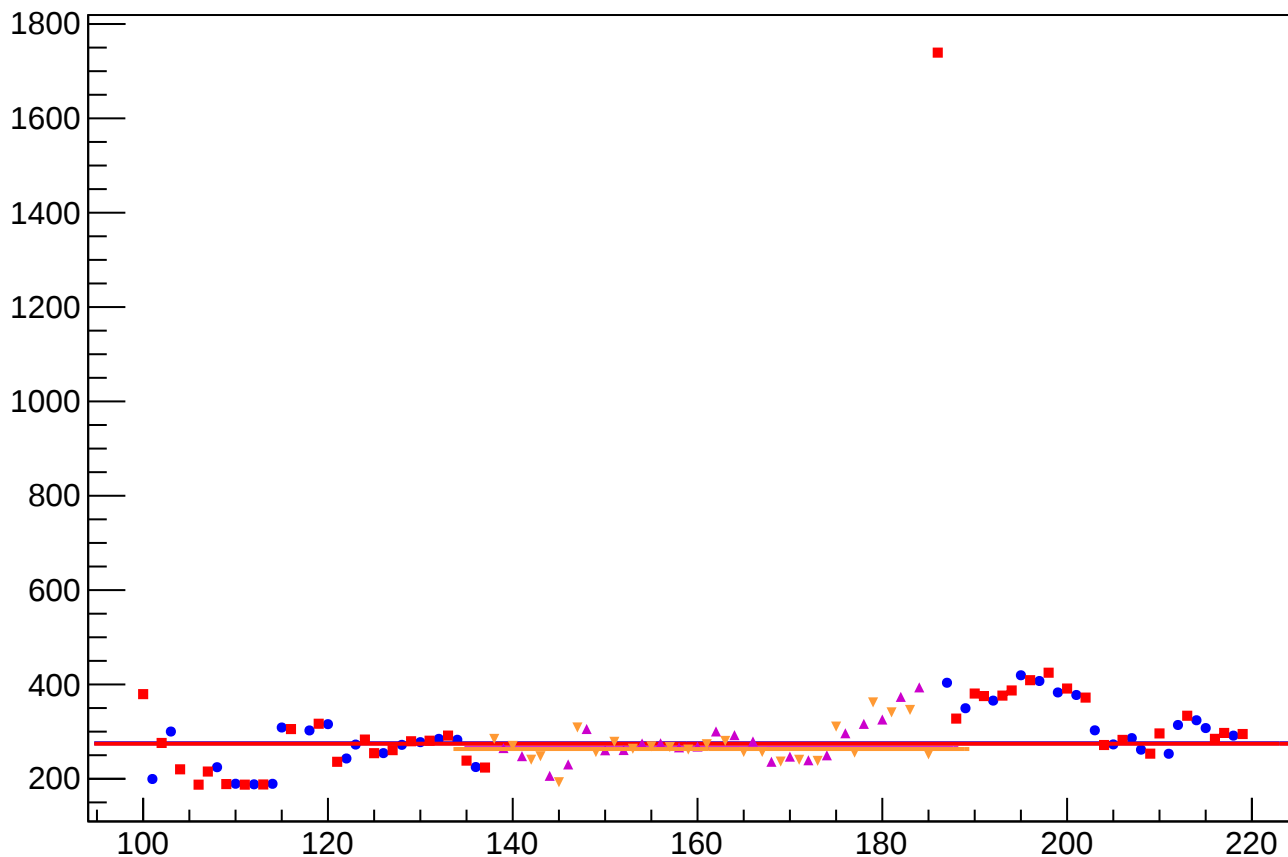
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 195.901 ± 45.265 χ^2/NDF : 68.6/57

All: 43.743 ± 32.078 χ^2/NDF : 184.8/117

- sign -109.767 ± 45.465 χ^2/NDF : 93.5/59

reg_asym_sam4_rms vs Slug



Right In: 275.328+/-0.047 χ^2/NDF : 1614739.1/32

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 274.381+/-0.046 χ^2/NDF : 2478569.9/36

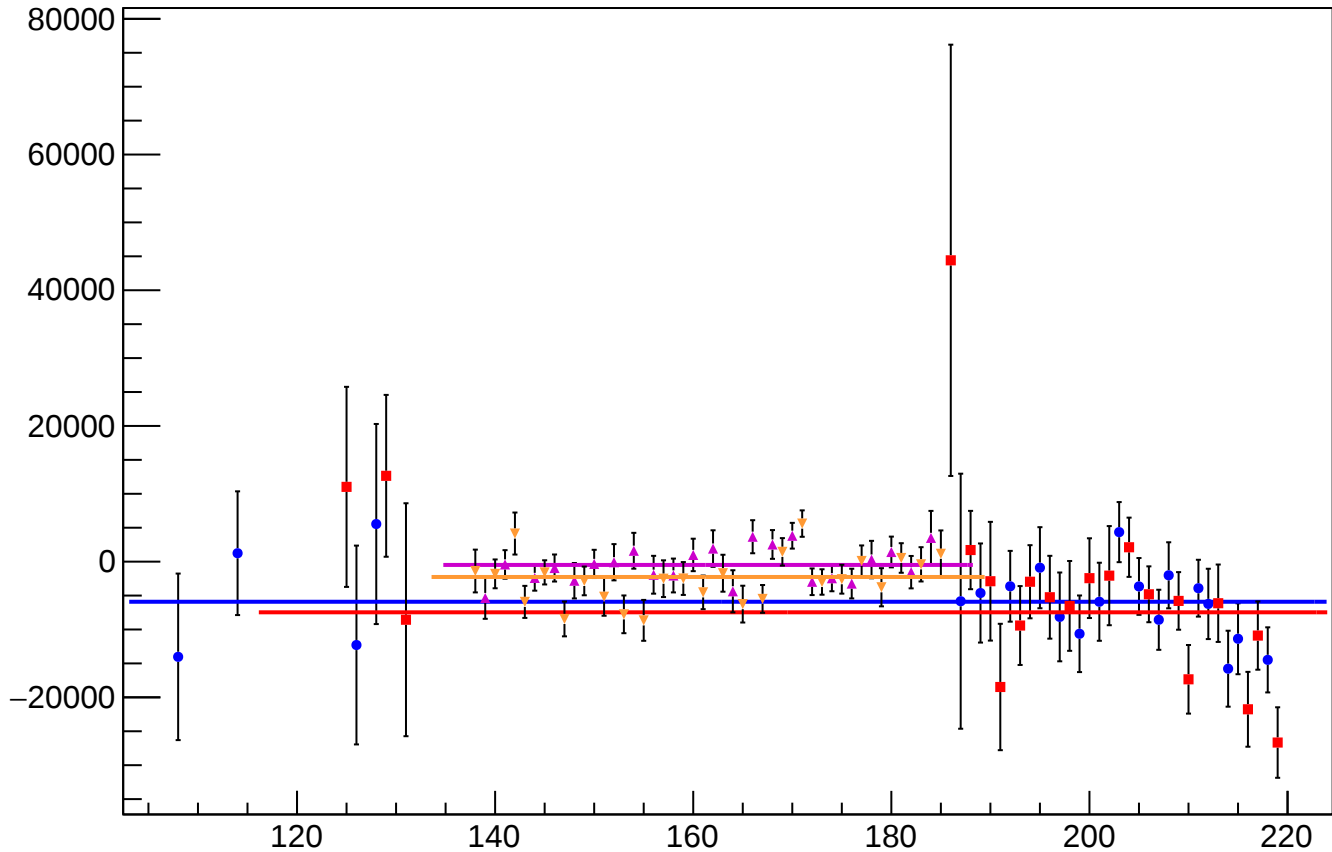
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 268.800+/-0.032 χ^2/NDF : 2293269.0/57

All: 269.213+/-0.023 χ^2/NDF : 5402834.1/117

- sign 269.629+/-0.032 χ^2/NDF : 3109231.3/59

asym_sam4_correction_mean vs Slug



Right In: -5911.799 $\pm$ 1283.782 χ^2 /NDF: 17.9/19

Left Out: -2260.196 $\pm$ 475.336 χ^2 /NDF: 52.3/24

Right Out: -7468.144 $\pm$ 1315.101 χ^2 /NDF: 43.6/20

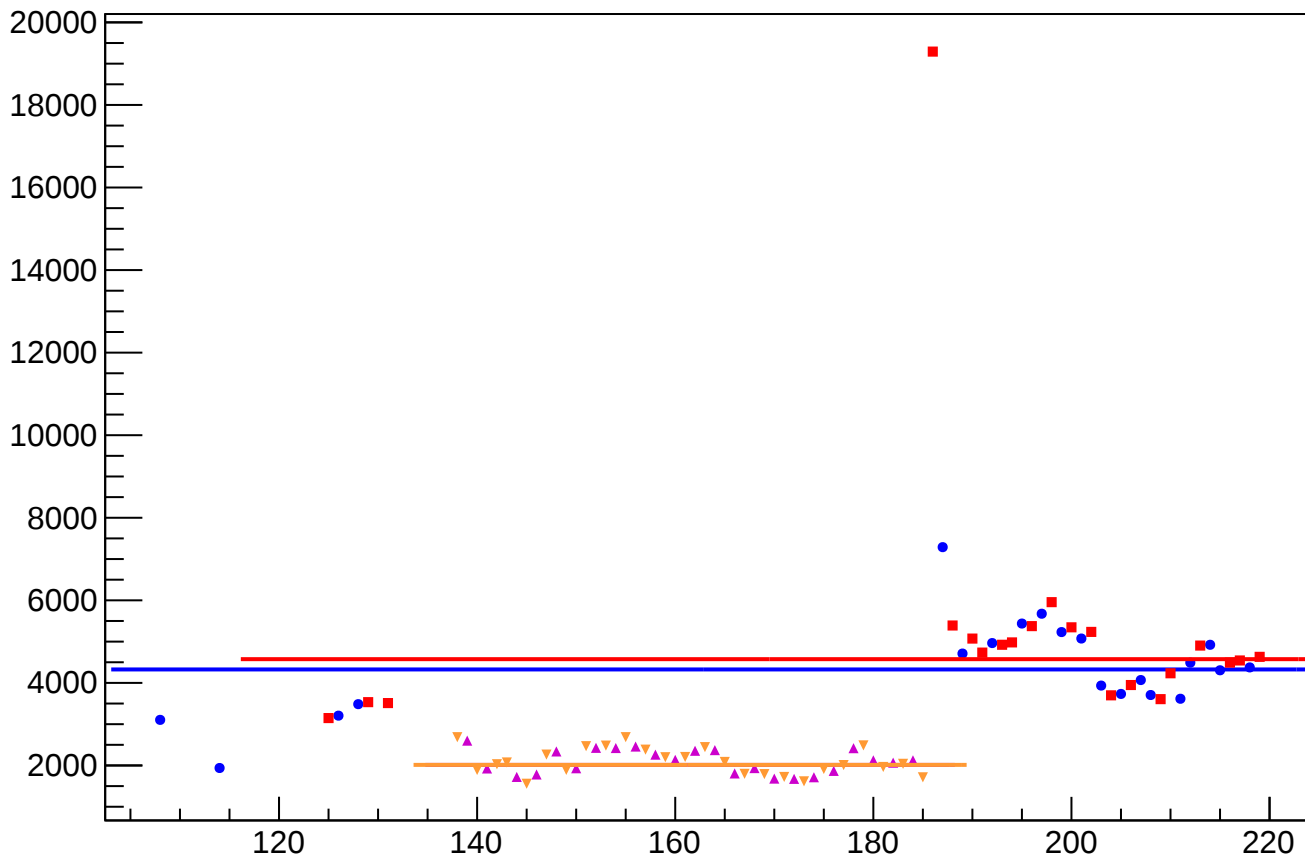
Left In: -485.590 $\pm$ 487.465 χ^2 /NDF: 24.8/22

+ sign -2700.452 $\pm$ 445.761 χ^2 /NDF: 77.3/44

All: -2031.943 $\pm$ 319.126 χ^2 /NDF: 175.1/88

- sign -1329.065 $\pm$ 457.076 χ^2 /NDF: 93.2/43

asym_sam4_correction_rms vs Slug



Right In: 4325.857+/-0.908 χ^2/NDF : 677301.1/19

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4575.015+/-0.930 χ^2/NDF : 955730.9/20

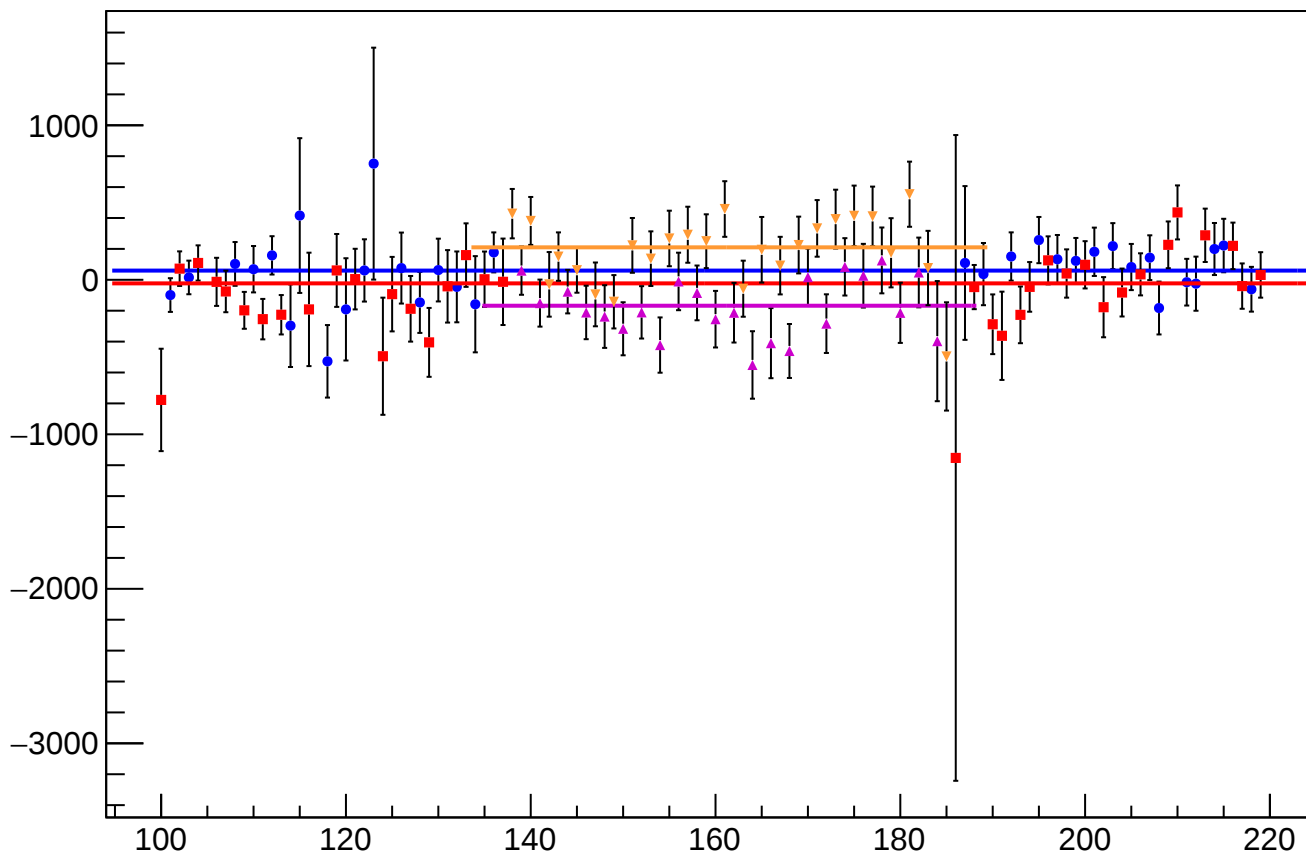
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2292.822+/-0.315 χ^2/NDF : 7216355.4/44

All: 2307.387+/-0.226 χ^2/NDF : 15510925.3/8

- sign 2322.701+/-0.323 χ^2/NDF : 8290189.8/43

reg_asym_sam5_mean vs Slug



Right In: 59.565 ± 29.322 χ^2/NDF : 24.9/32

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -23.134 ± 27.666 χ^2/NDF : 44.7/36

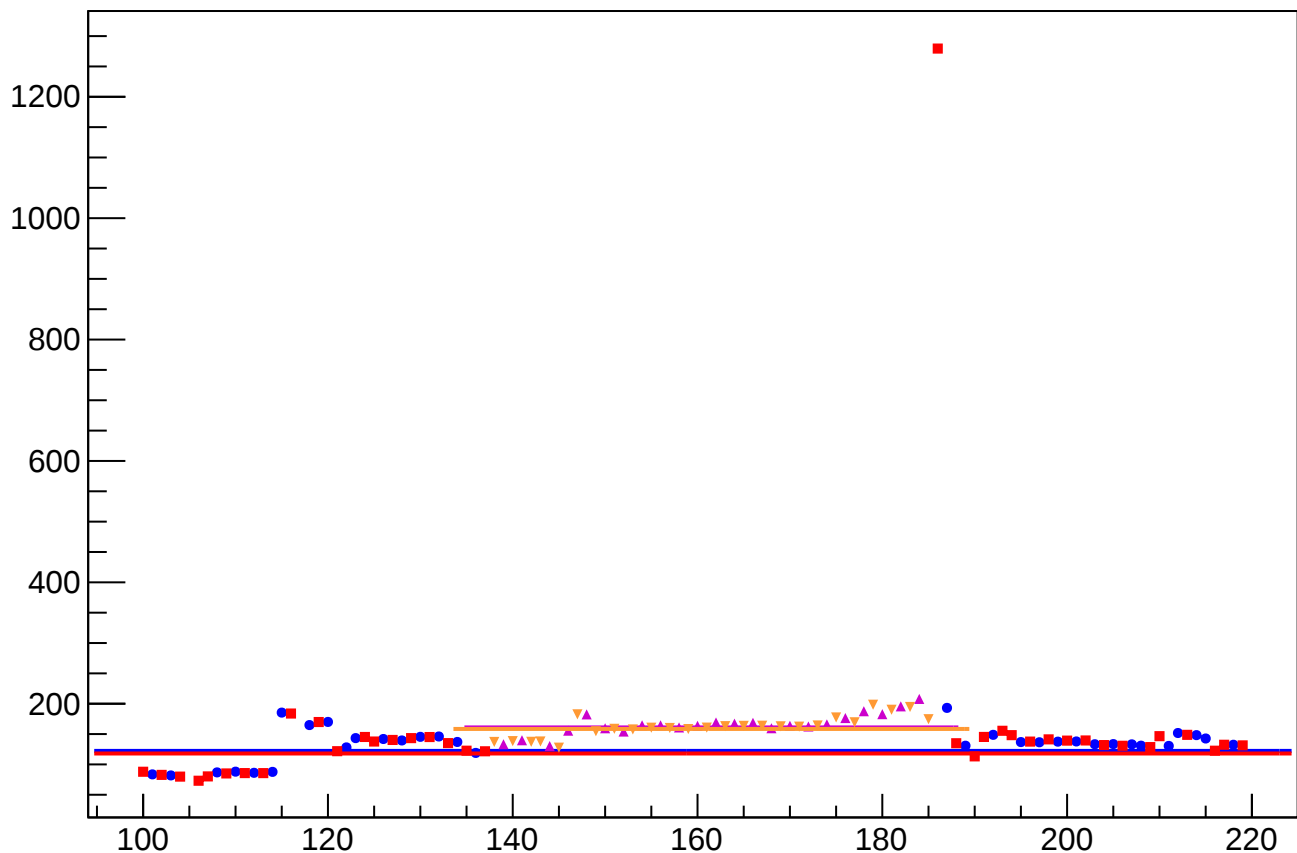
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 117.451 ± 23.003 χ^2/NDF : 62.6/57

All: 20.653 ± 16.089 χ^2/NDF : 172.3/117

- sign -72.041 ± 22.510 χ^2/NDF : 75.1/59

reg_asym_sam5_rms vs Slug



Right In: 122.257 $\pm$ 0.021 χ^2 /NDF: 1548731.4/32

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 117.979 $\pm$ 0.020 χ^2 /NDF: 2595315.5/36

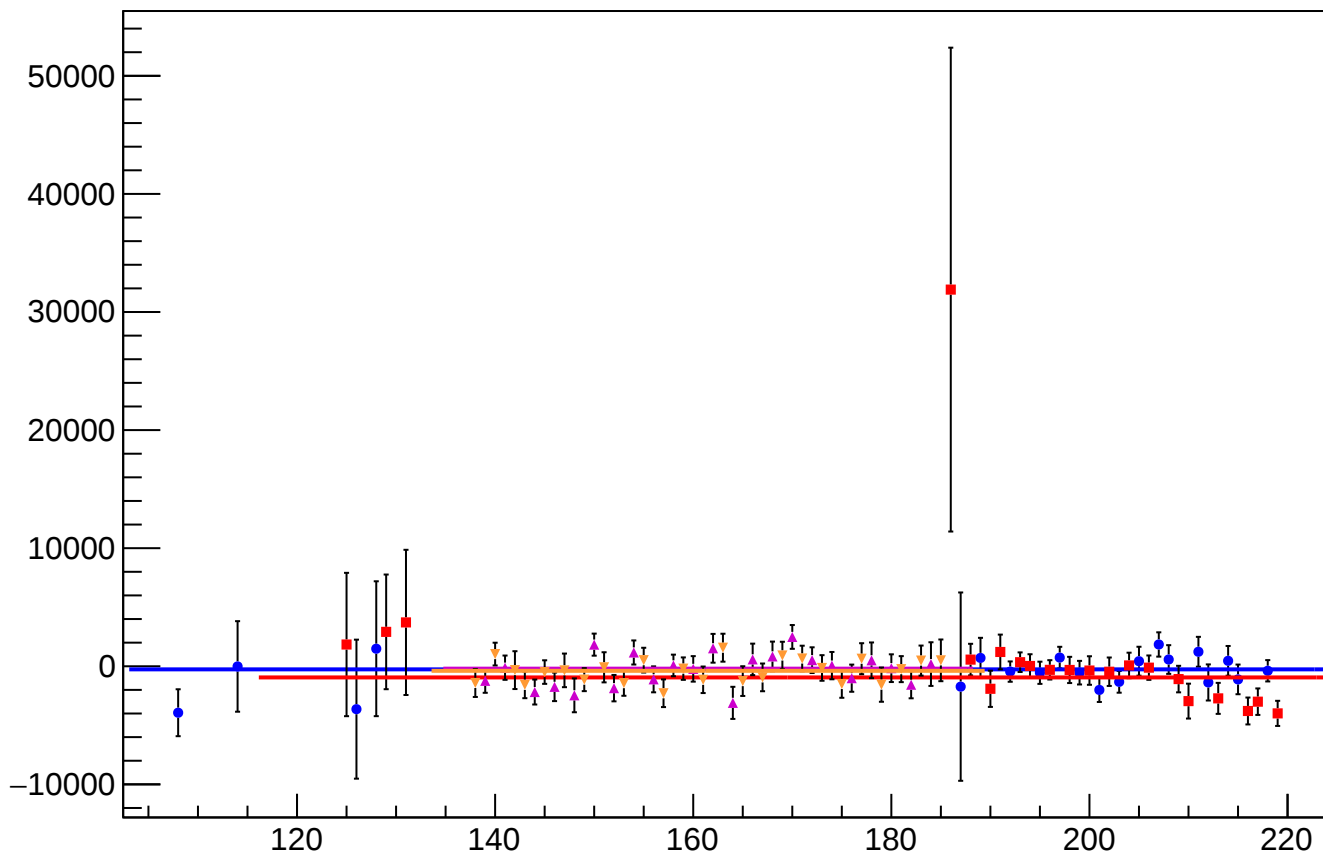
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 136.172 $\pm$ 0.016 χ^2 /NDF: 3154240.4/57

All: 134.298 $\pm$ 0.011 χ^2 /NDF: 7785869.1/117

- sign 132.503 $\pm$ 0.016 χ^2 /NDF: 4605637.5/59

asym_sam5_correction_mean vs Slug



Right In: -261.432+/-273.151 χ^2/NDF : 17.6/19

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: -944.719+/-269.628 χ^2/NDF : 35.5/20

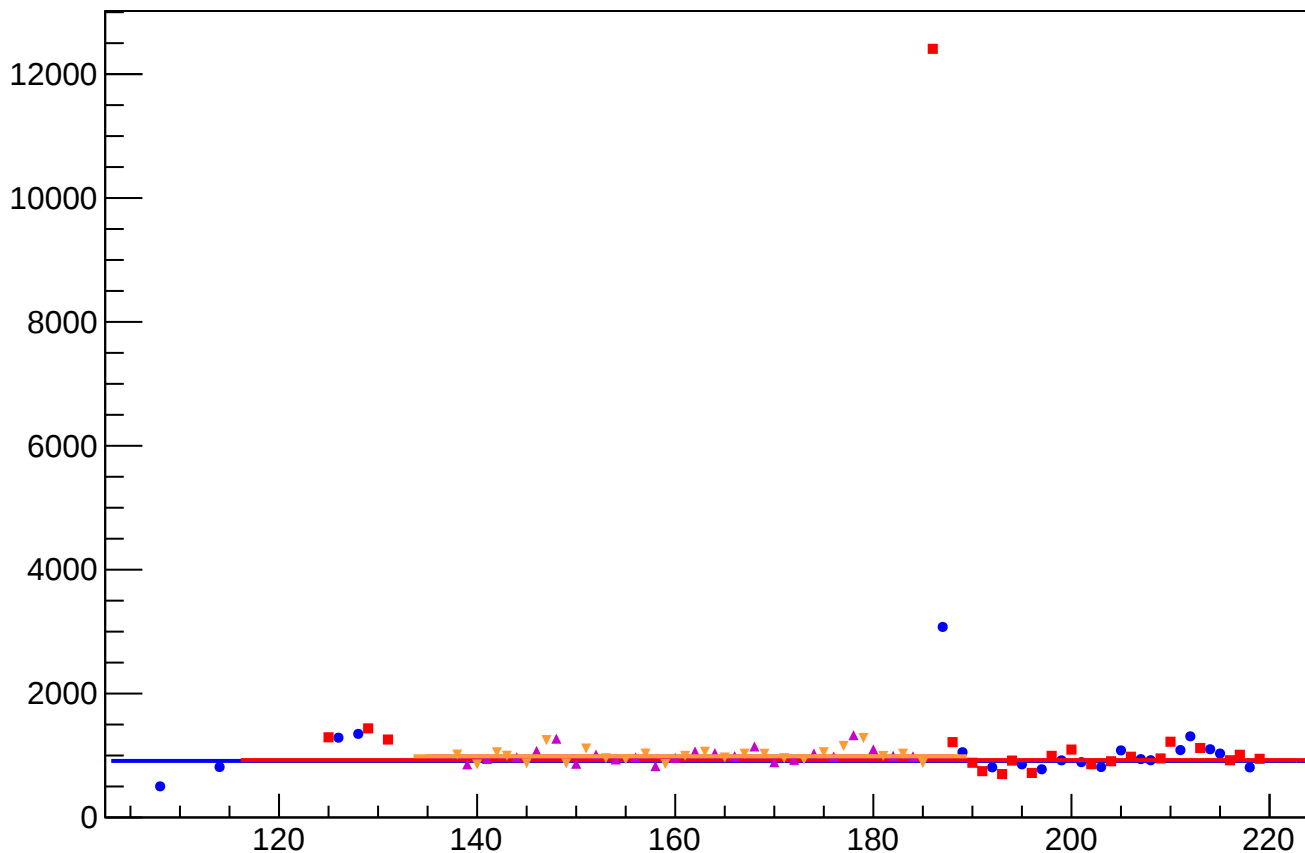
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -333.270+/-176.753 χ^2/NDF : 35.7/44

All: -429.127+/-125.493 χ^2/NDF : 111.5/88

- sign -526.563+/-178.203 χ^2/NDF : 75.2/43

asym_sam5_correction_rms vs Slug



Right In: 912.597 $\pm$ 0.193 χ^2 /NDF: 674273.2/19

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 926.085 $\pm$ 0.191 χ^2 /NDF: 1262507.3/20

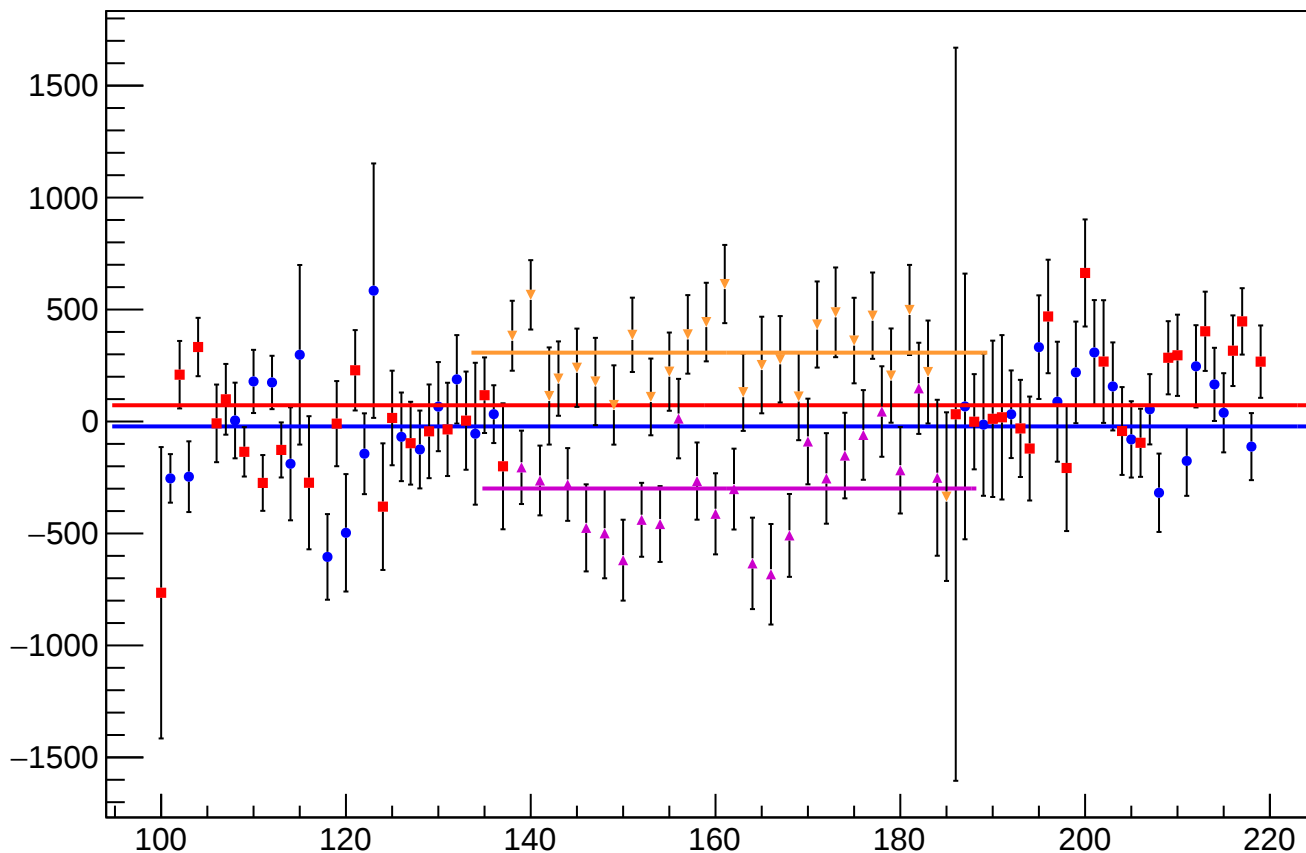
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 956.351 $\pm$ 0.125 χ^2 /NDF: 1139512.5/44

All: 957.487 $\pm$ 0.089 χ^2 /NDF: 2870227.8/88

- sign 958.642 $\pm$ 0.126 χ^2 /NDF: 1730548.7/43

reg_asym_sam6_mean vs Slug



Right In: -21.939 ± 31.855 $\chi^2/\text{NDF}: 43.2/32$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: 72.546 ± 30.575 $\chi^2/\text{NDF}: 57.7/36$

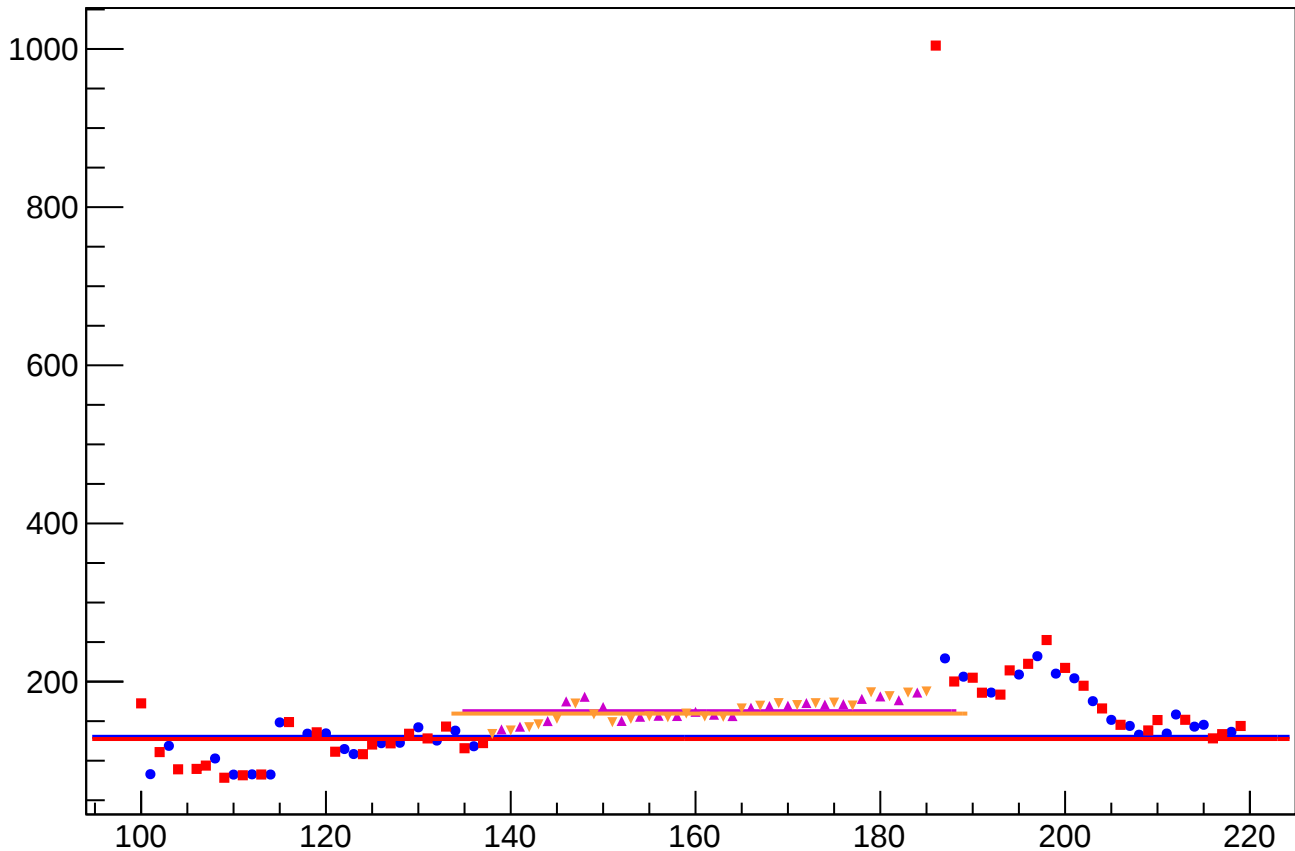
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 117.092 ± 24.217 $\chi^2/\text{NDF}: 109.1/57$

All: 23.497 ± 17.070 $\chi^2/\text{NDF}: 281.2/117$

- sign -68.916 ± 24.064 $\chi^2/\text{NDF}: 142.5/59$

reg_asym_sam6_rms vs Slug



Right In: 130.208 $\pm$ 0.023 χ^2 /NDF: 2653047.7/32

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 127.418 $\pm$ 0.022 χ^2 /NDF: 4051453.9/36

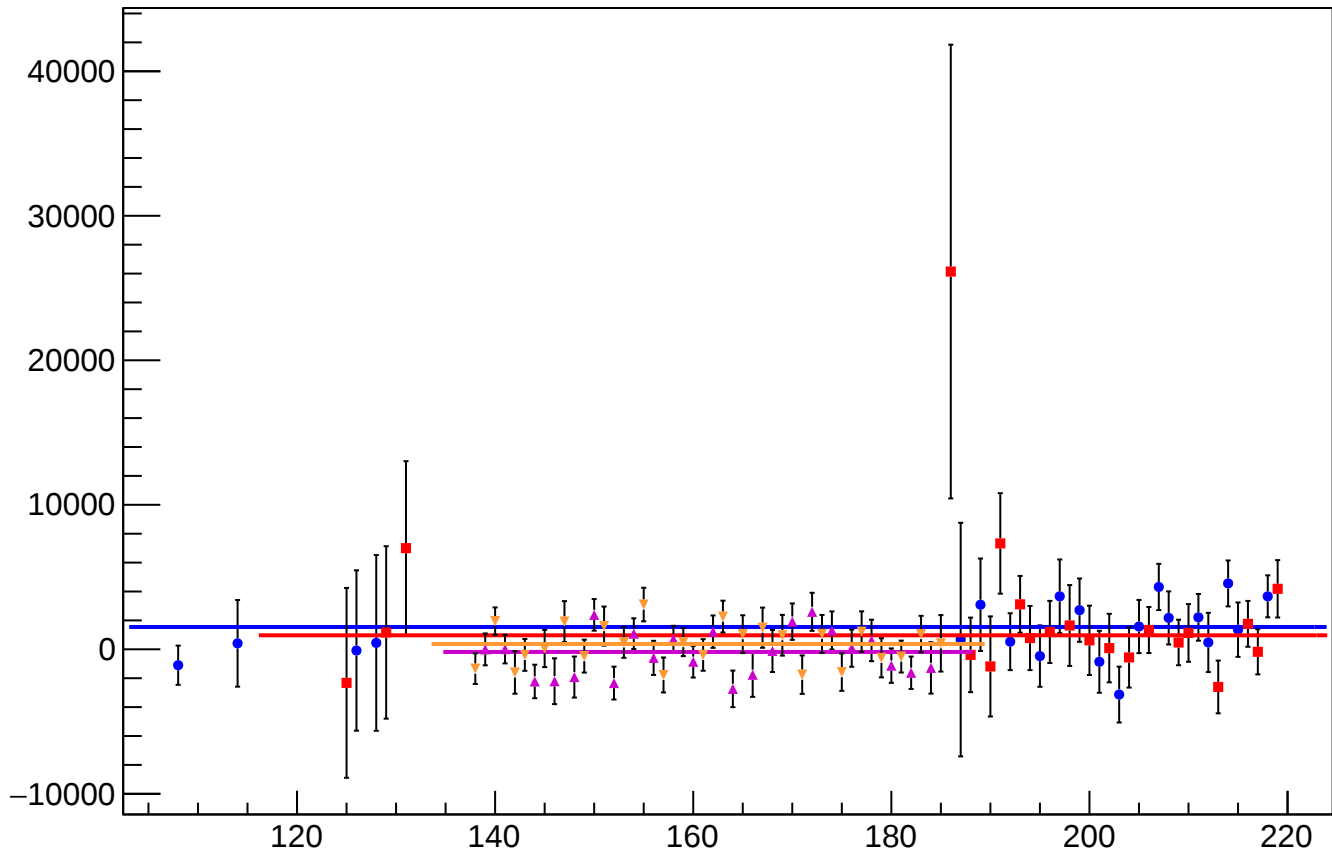
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 142.599 $\pm$ 0.017 χ^2 /NDF: 3657869.1/57

All: 141.698 $\pm$ 0.012 χ^2 /NDF: 8922495.1/117

- sign 140.809 $\pm$ 0.017 χ^2 /NDF: 5259125.0/59

asym_sam6_correction_mean vs Slug



Right In: 1544.987 $\pm$ 451.277 χ^2 /NDF: 22.9/19

Left Out: 370.001 $\pm$ 243.521 χ^2 /NDF:30.5/24

Right Out: 969.380 $\pm$ 488.274 χ^2 /NDF: 17.2/20

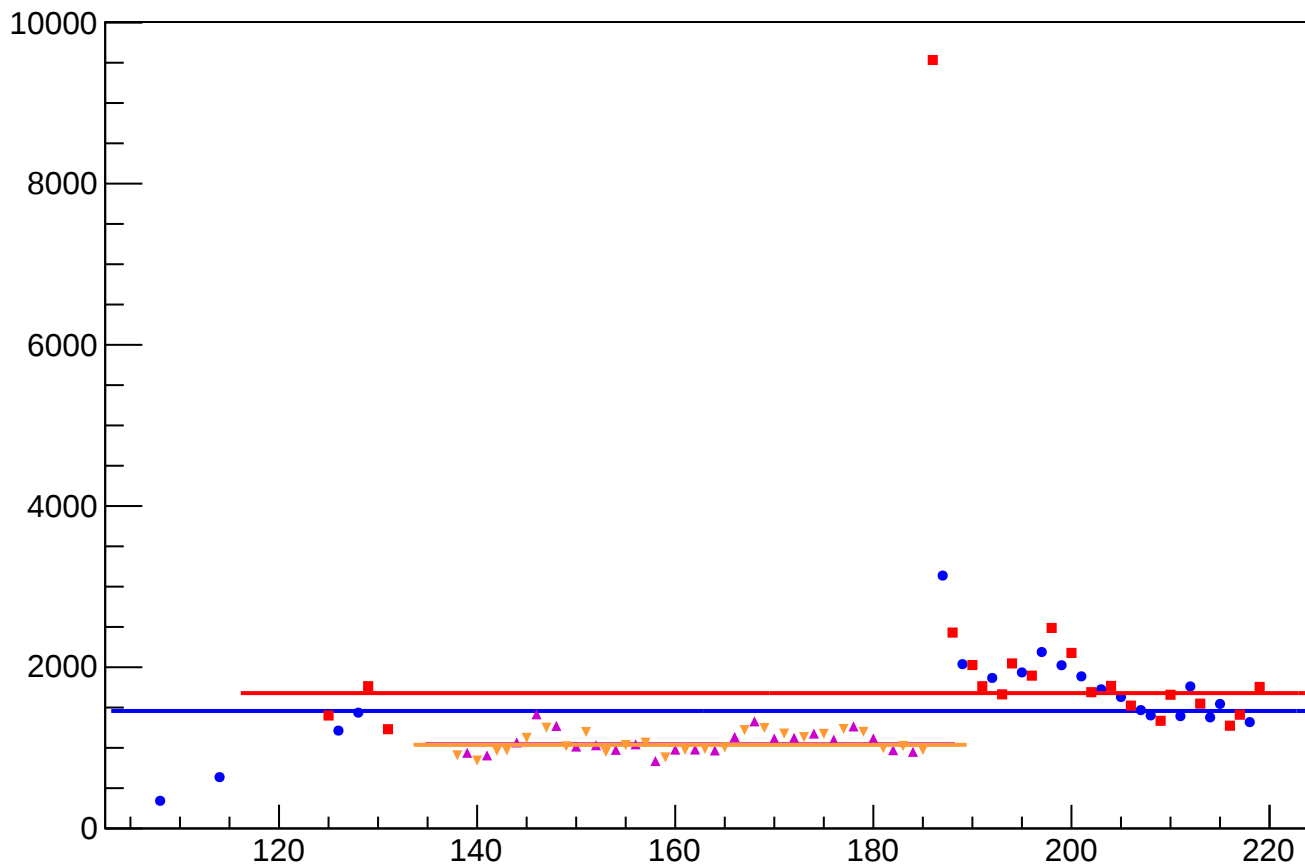
Left In: -183.107 $\pm$ 252.258 χ^2 /NDF:36.5/22

+ sign 634.988 $\pm$ 214.309 χ^2 /NDF: 58.6/44

All: 360.205 $\pm$ 154.890 χ^2 /NDF: 120.1/88

- sign 59.696 $\pm$ 224.116 χ^2 /NDF: 58.1/43

asym_sam6_correction_rms vs Slug



Right In: 1457.554+/-0.319 χ^2/NDF : 2356514.8/19

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1679.216+/-0.345 χ^2/NDF : 1355470.1/20

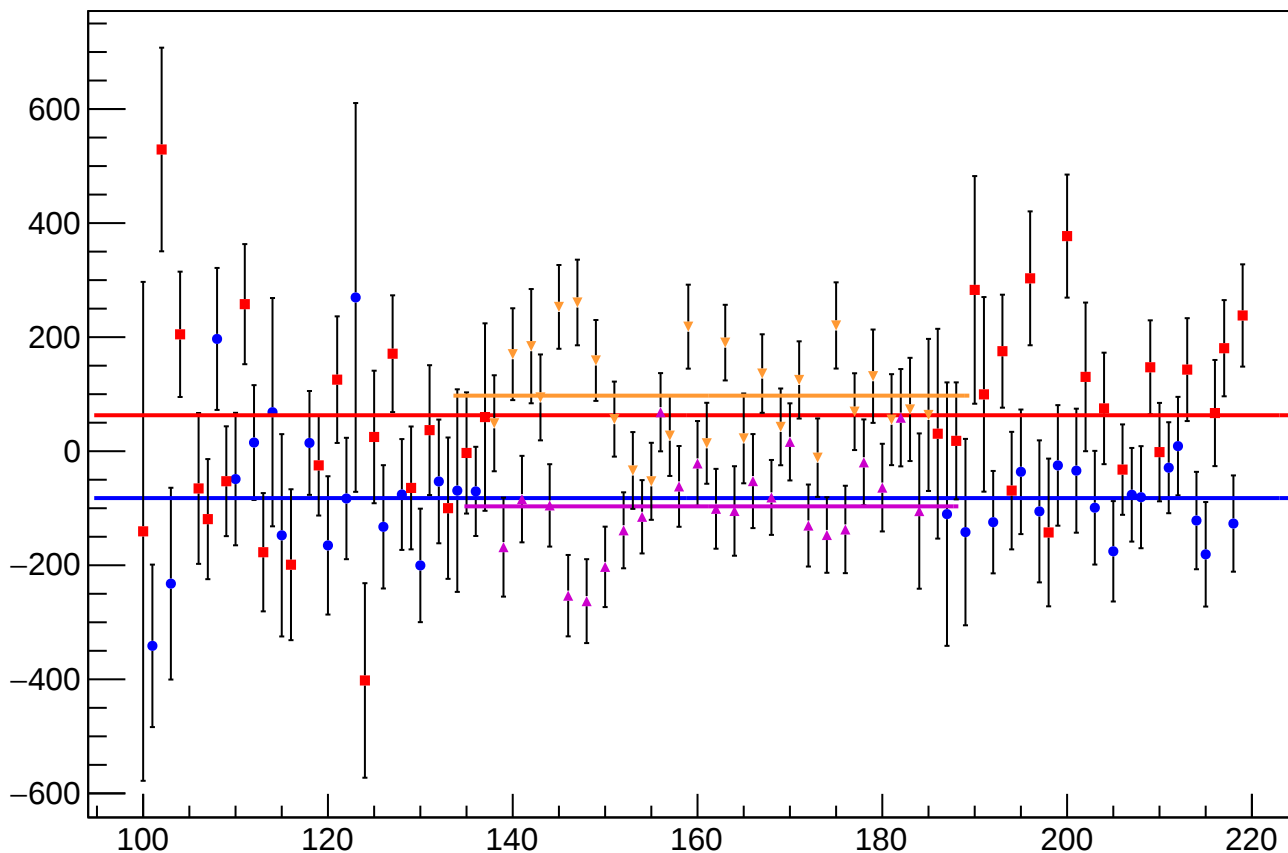
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1132.379+/-0.152 χ^2/NDF : 4192314.6/44

All: 1154.367+/-0.110 χ^2/NDF : 8800688.5/88

- sign 1178.414+/-0.158 χ^2/NDF : 4564294.3/43

reg_asym_sam7_mean vs Slug



Right In: -82.197 ± 18.474 $\chi^2/\text{NDF}: 20.7/32$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 63.055 ± 17.993 $\chi^2/\text{NDF}: 69.8/36$

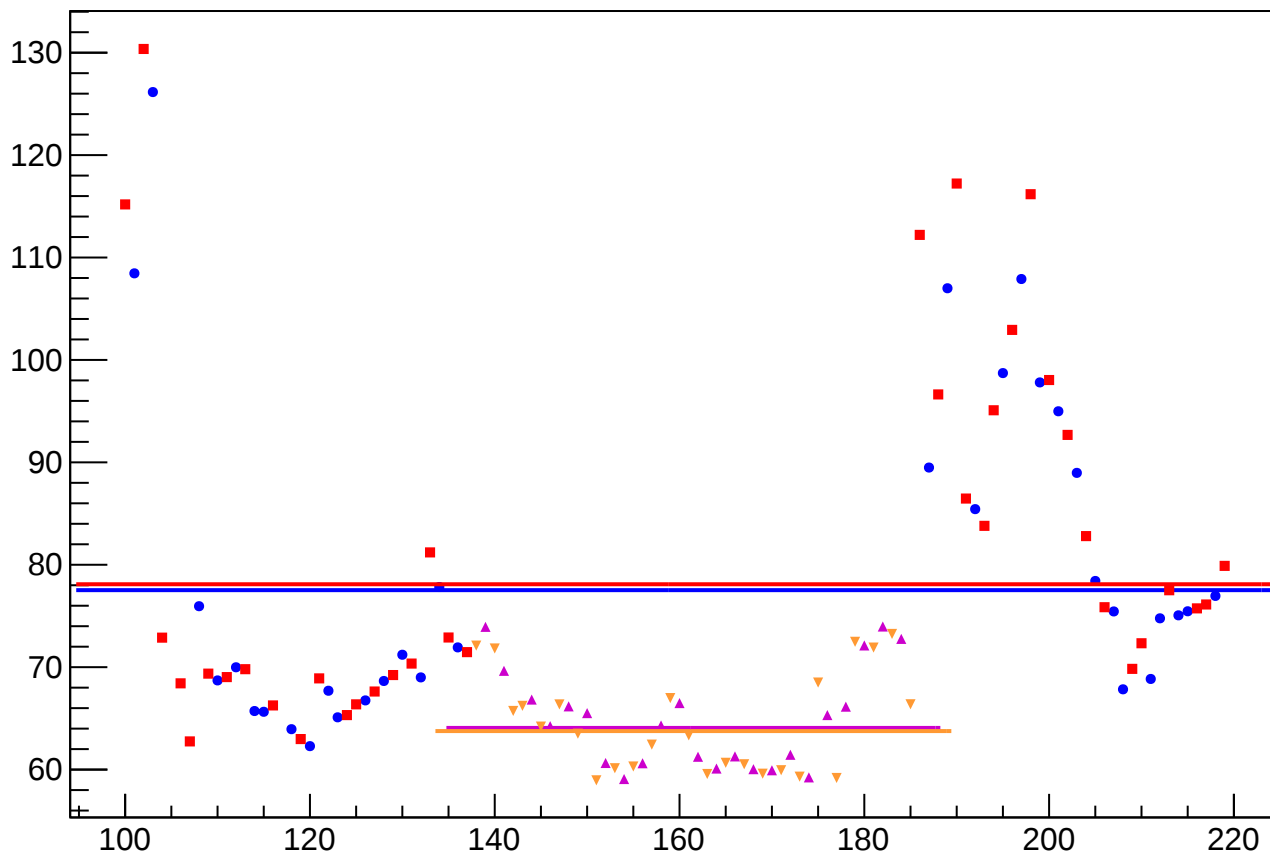
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 26.760 ± 11.588 $\chi^2/\text{NDF}: 114.0/57$

All: -1.039 ± 8.229 $\chi^2/\text{NDF}: 270.2/117$

- sign -29.309 ± 11.686 $\chi^2/\text{NDF}: 144.6/59$

reg_asym_sam7_rms vs Slug



Right In: 77.521 $\pm$ 0.013 χ^2 /NDF: 948617.1/32

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 78.097 $\pm$ 0.013 χ^2 /NDF: 1132015.8/36

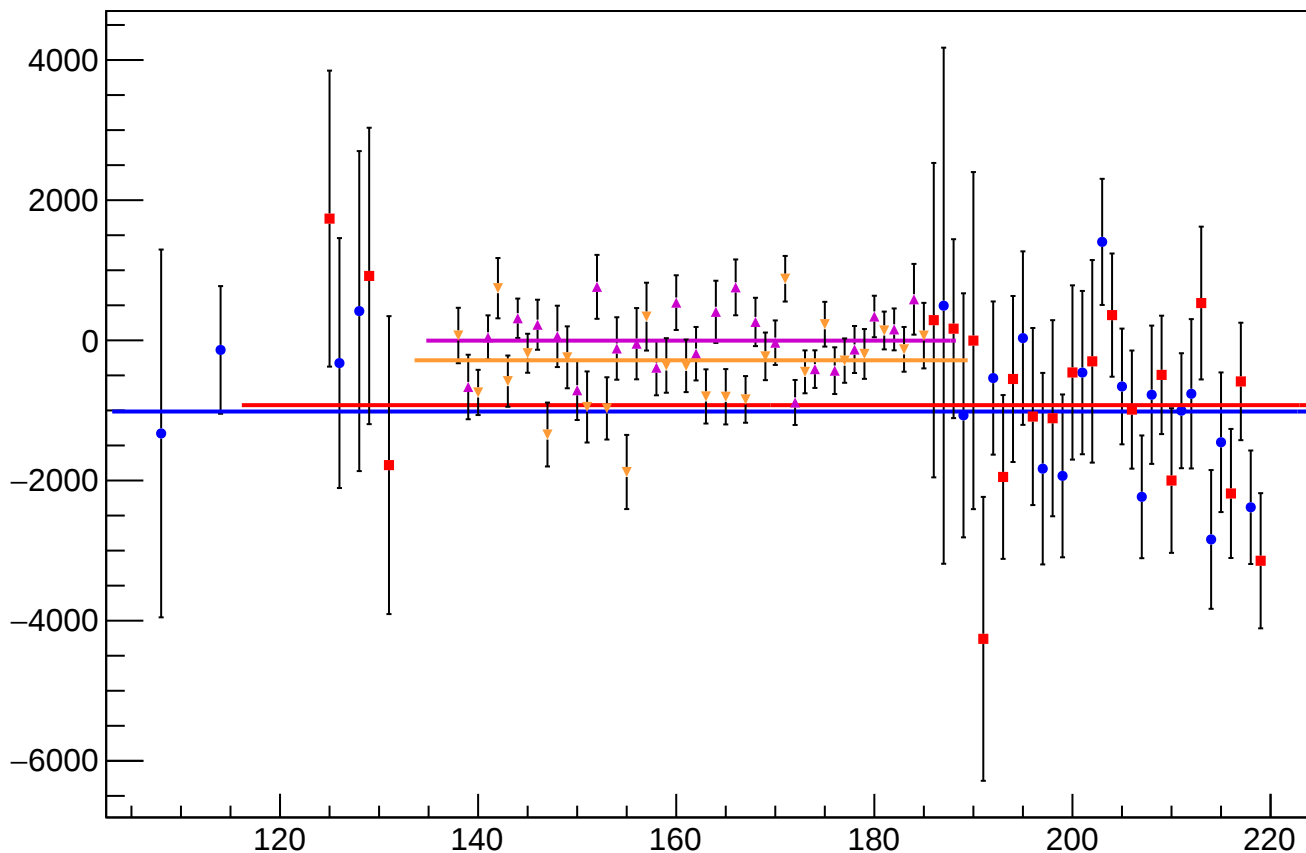
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 69.175 $\pm$ 0.008 χ^2 /NDF: 1814355.6/57

All: 69.577 $\pm$ 0.006 χ^2 /NDF: 3818758.3/117

- sign 69.986 $\pm$ 0.008 χ^2 /NDF: 1999545.0/59

asym_sam7_correction_mean vs Slug



Right In: -1015.456 ± 244.577 χ^2/NDF : 19.7/19

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -924.648 ± 256.758 χ^2/NDF : 20.2/20

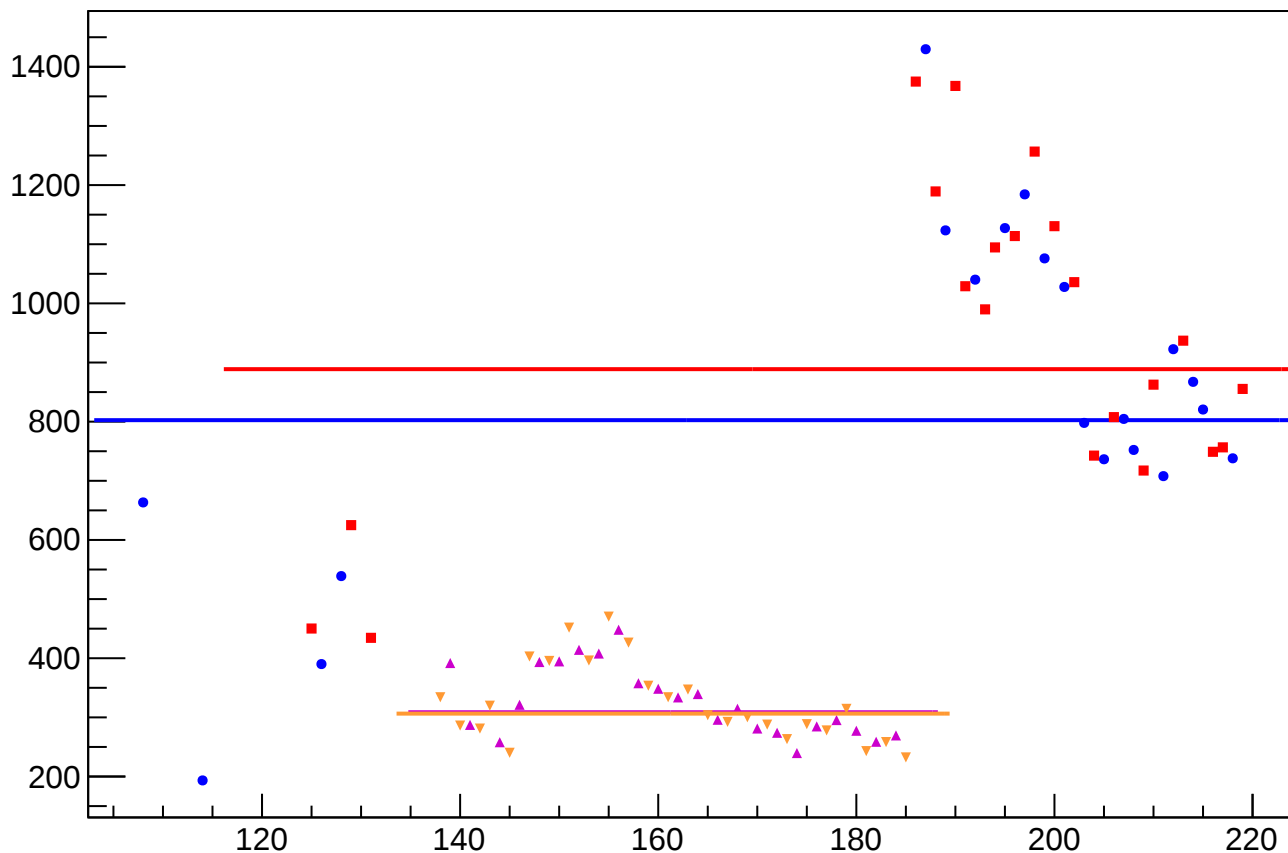
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -343.710 ± 69.715 χ^2/NDF : 83.0/44

All: -214.564 ± 50.107 χ^2/NDF : 154.5/88

- sign -76.562 ± 72.066 χ^2/NDF : 64.4/43

asym_sam7_correction_rms vs Slug



Right In: 802.532 $\pm$ 0.173 χ^2 /NDF: 1826116.4/19

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215669.9/24

Right Out: 888.774 $\pm$ 0.182 χ^2 /NDF: 1135476.4/20

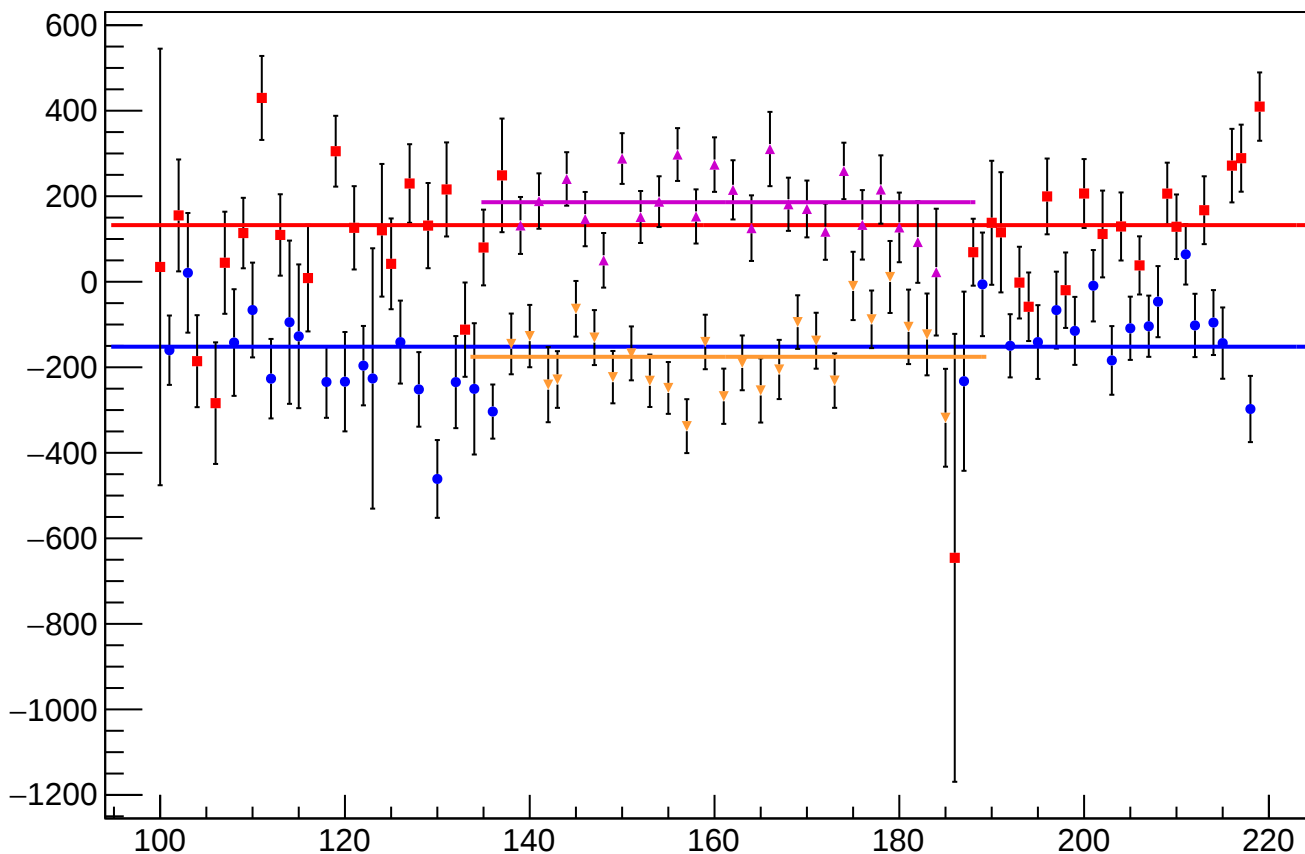
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

+ sign 346.677 $\pm$ 0.049 χ^2 /NDF: 10604117.0/44

All: 350.421 $\pm$ 0.035 χ^2 /NDF: 22157647.7/80

- sign 354.423 $\pm$ 0.051 χ^2 /NDF: 11541594.4/43

reg_asym_sam8_mean vs Slug



Right In: -151.858 ± 15.840 χ^2/NDF : 46.4/32

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 132.439 ± 15.679 χ^2/NDF : 78.4/36

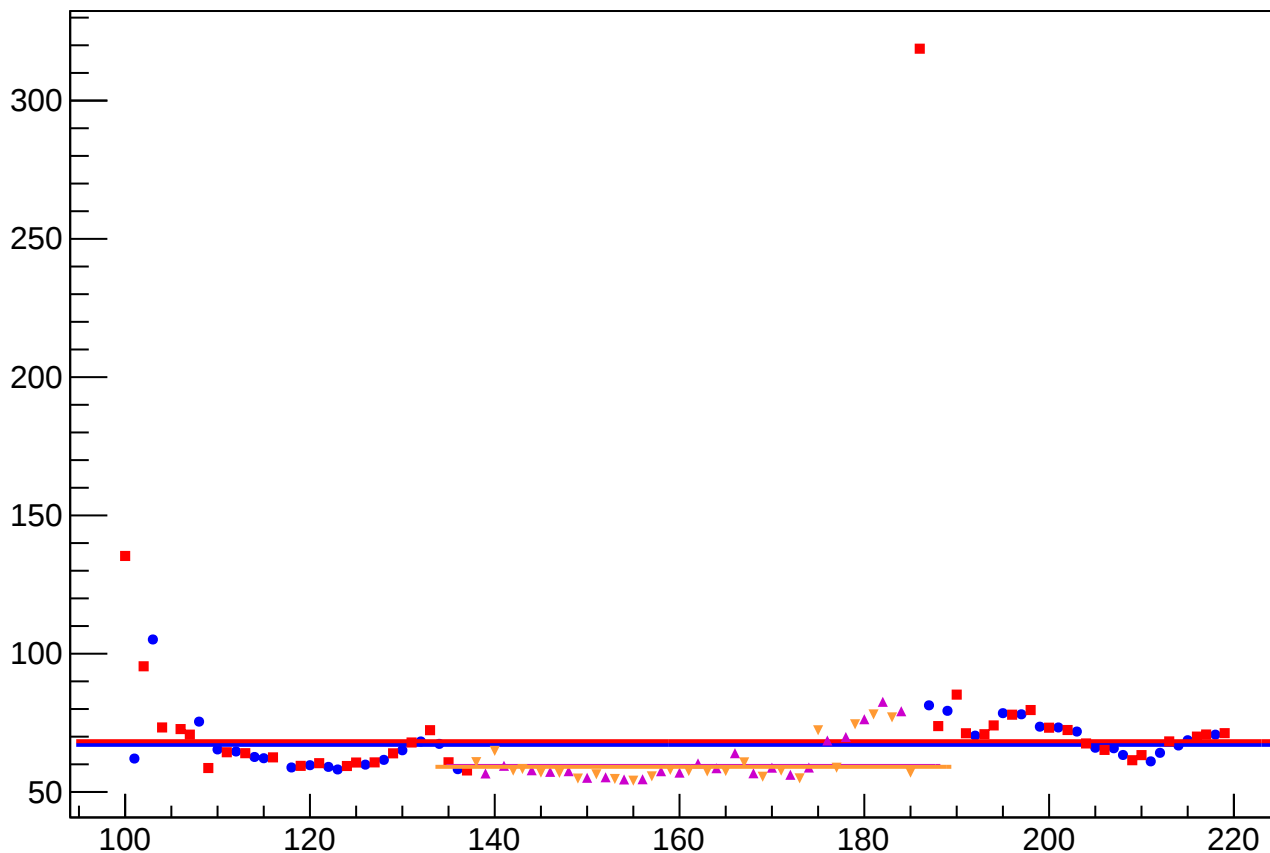
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -165.243 ± 10.424 χ^2/NDF : 82.3/57

All: -4.079 ± 7.423 χ^2/NDF : 675.4/117

- sign 161.676 ± 10.572 χ^2/NDF : 108.3/59

reg_asym_sam8_rms vs Slug



Right In: 67.046 $\pm$ 0.011 χ^2 /NDF: 430515.9/32

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.360 $\pm$ 0.011 χ^2 /NDF: 878334.5/36

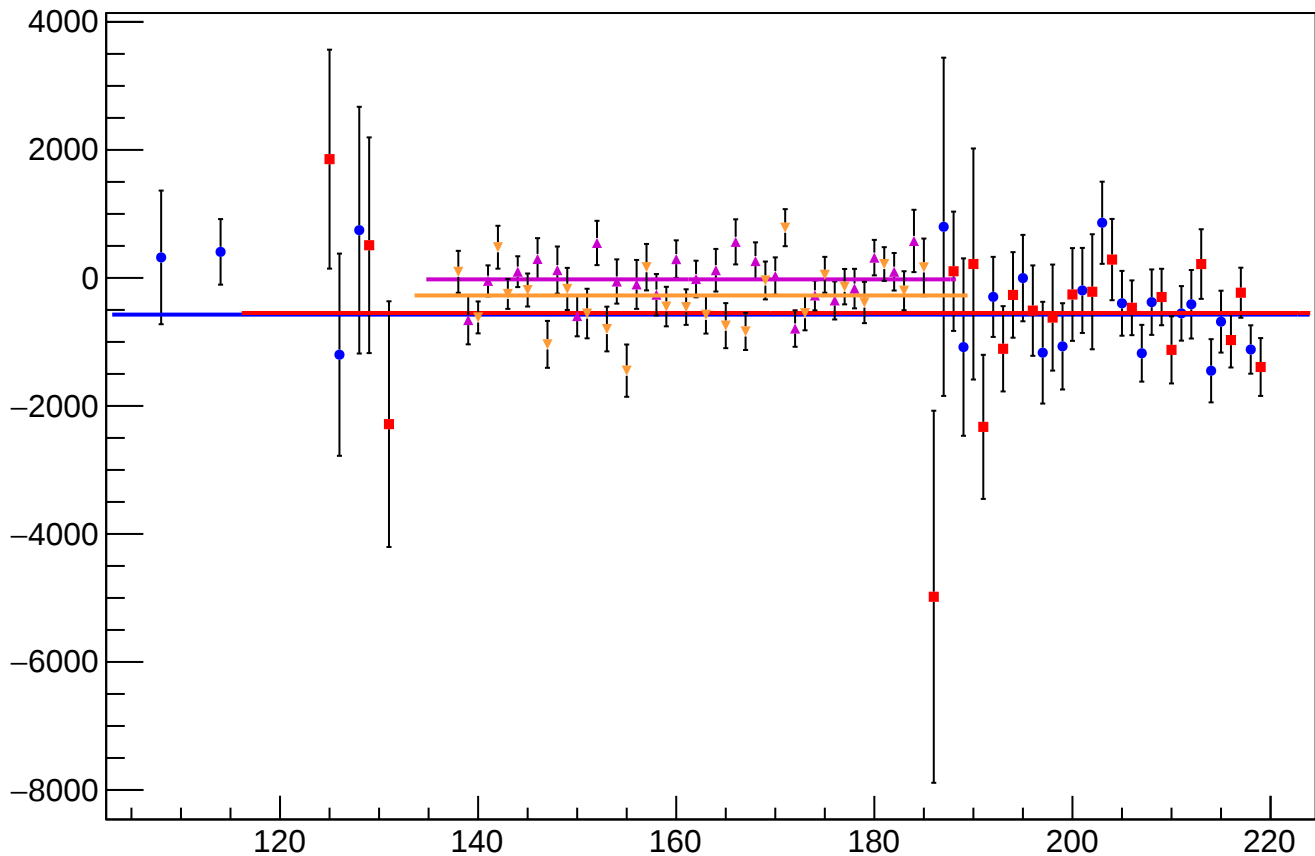
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.541 $\pm$ 0.007 χ^2 /NDF: 1085631.2/57

All: 63.003 $\pm$ 0.005 χ^2 /NDF: 2700362.8/117

- sign 63.479 $\pm$ 0.007 χ^2 /NDF: 1606751.1/59

asym_sam8_correction_mean vs Slug



Right In: -573.040 $\pm$ 133.068 χ^2/NDF : 20.3/19

Left Out: -274.091 $\pm$ 60.799 χ^2/NDF : 53.9/24

Right Out: -547.830 $\pm$ 139.455 χ^2/NDF : 20.3/20

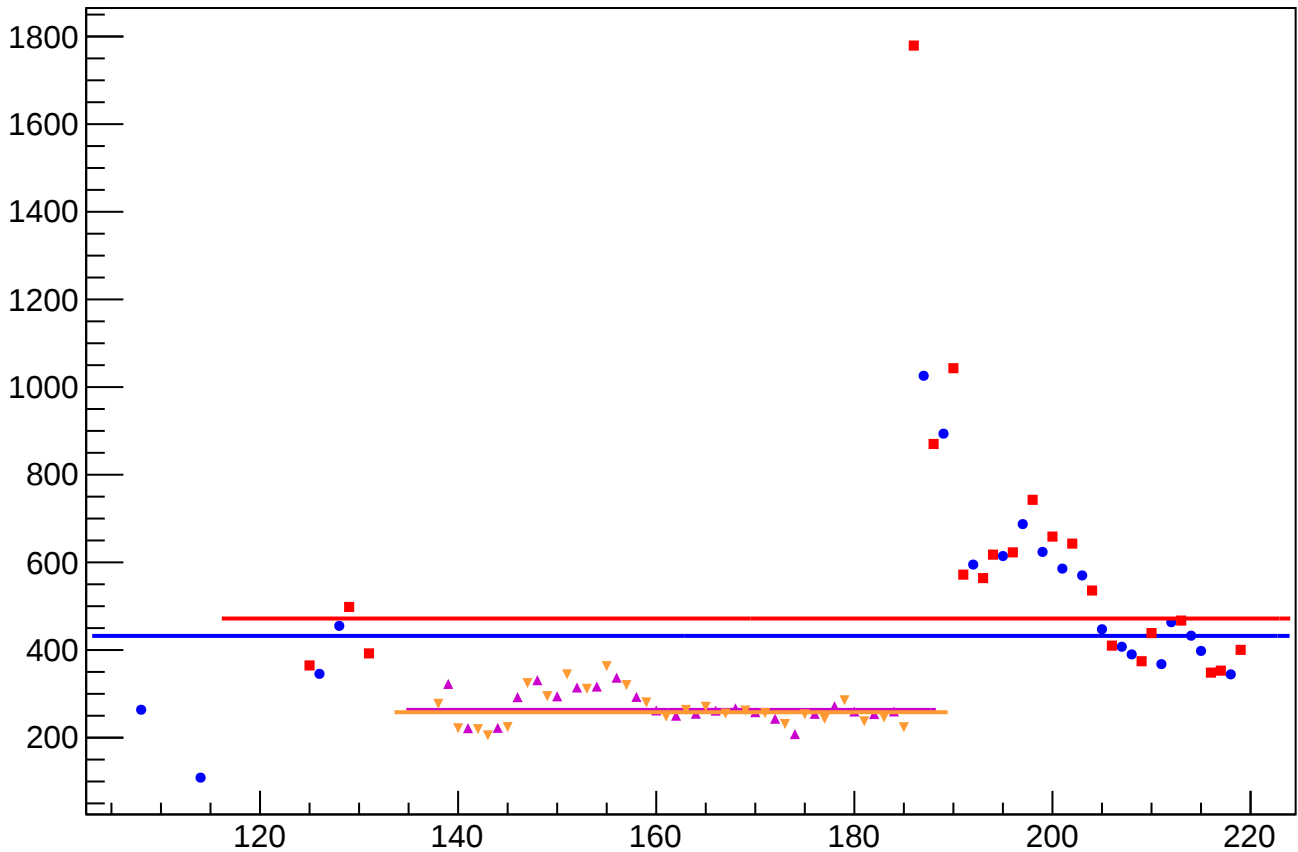
Left In: -22.631 $\pm$ 63.643 χ^2/NDF : 28.9/22

+ sign -325.721 $\pm$ 55.300 χ^2/NDF : 78.3/44

All: -224.317 $\pm$ 39.990 χ^2/NDF : 146.3/88

- sign -113.160 $\pm$ 57.899 χ^2/NDF : 60.9/43

asym_sam8_correction_rms vs Slug



Right In: 432.260+/-0.094 χ^2/NDF : 2218462.8/19

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

+ sign 288.129+/-0.039 χ^2/NDF : 5779491.3/44

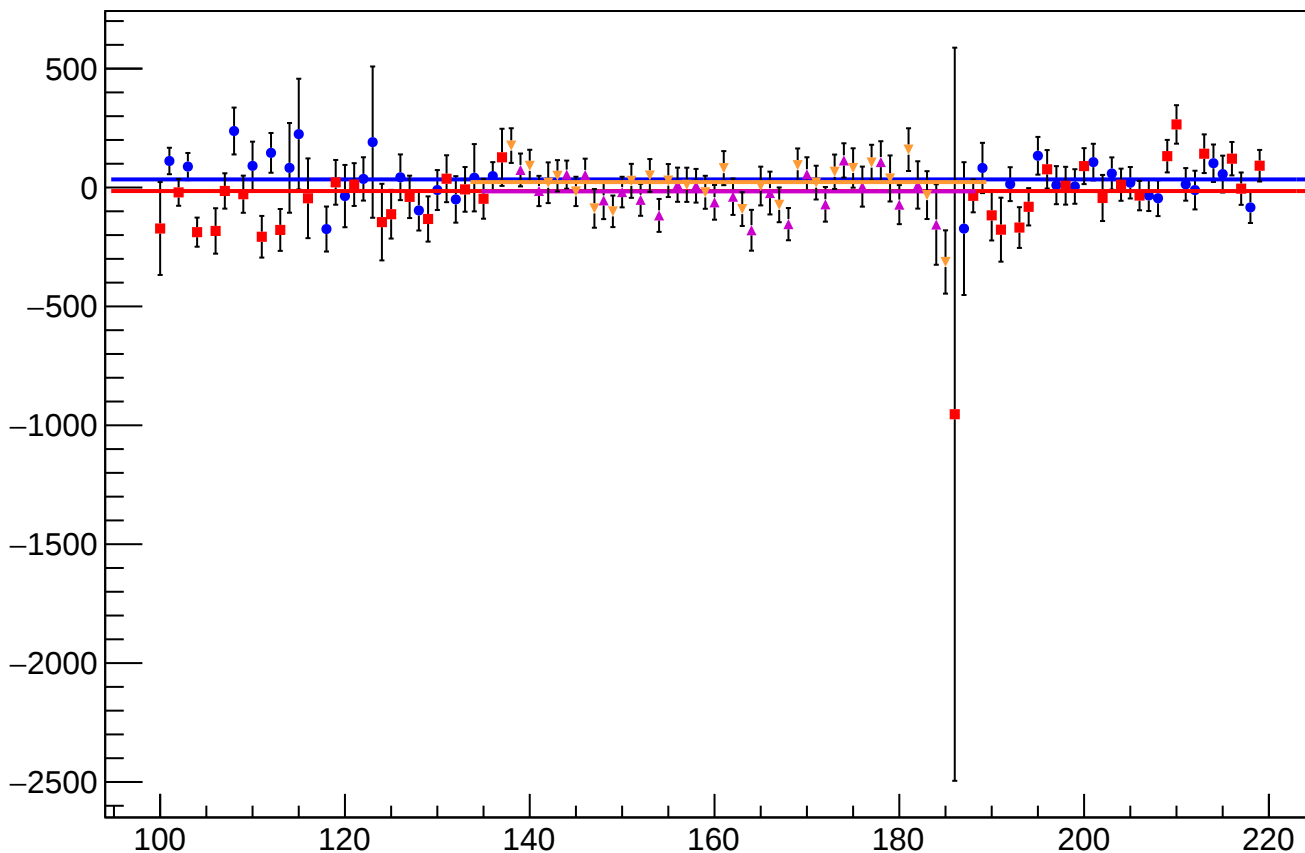
Right Out: 471.871+/-0.099 χ^2/NDF : 2211284.5/20

All: 293.473+/-0.028 χ^2/NDF : 12314652.2/80

- sign 299.332+/-0.041 χ^2/NDF : 6496005.7/43

Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

reg_asym_sam_15_avg_mean vs Slug



Right In: 34.116 ± 14.275 χ^2/NDF : 29.2/32

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -14.870 ± 13.764 χ^2/NDF : 62.3/36

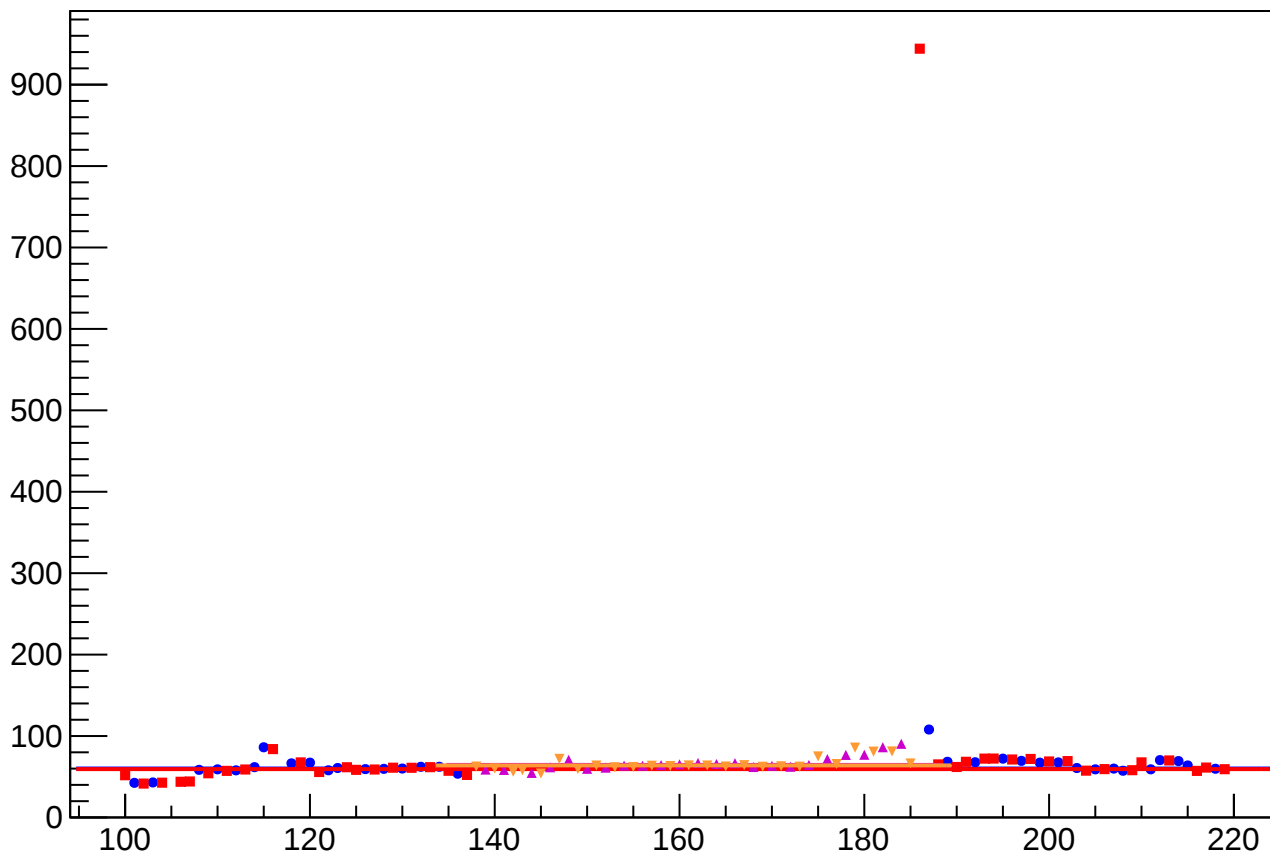
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 28.760 ± 10.330 χ^2/NDF : 58.4/57

All: 6.590 ± 7.294 χ^2/NDF : 153.3/117

- sign -15.454 ± 10.301 χ^2/NDF : 85.7/59

reg_asym_sam_15_avg_rms vs Slug



Right In: 60.086+/-0.010 χ^2/NDF : 722825.1/32

Left Out: 63.920+/-0.011 χ^2/NDF : 395410.4/24

Right Out: 59.380+/-0.010 χ^2/NDF : 1556402.0/36

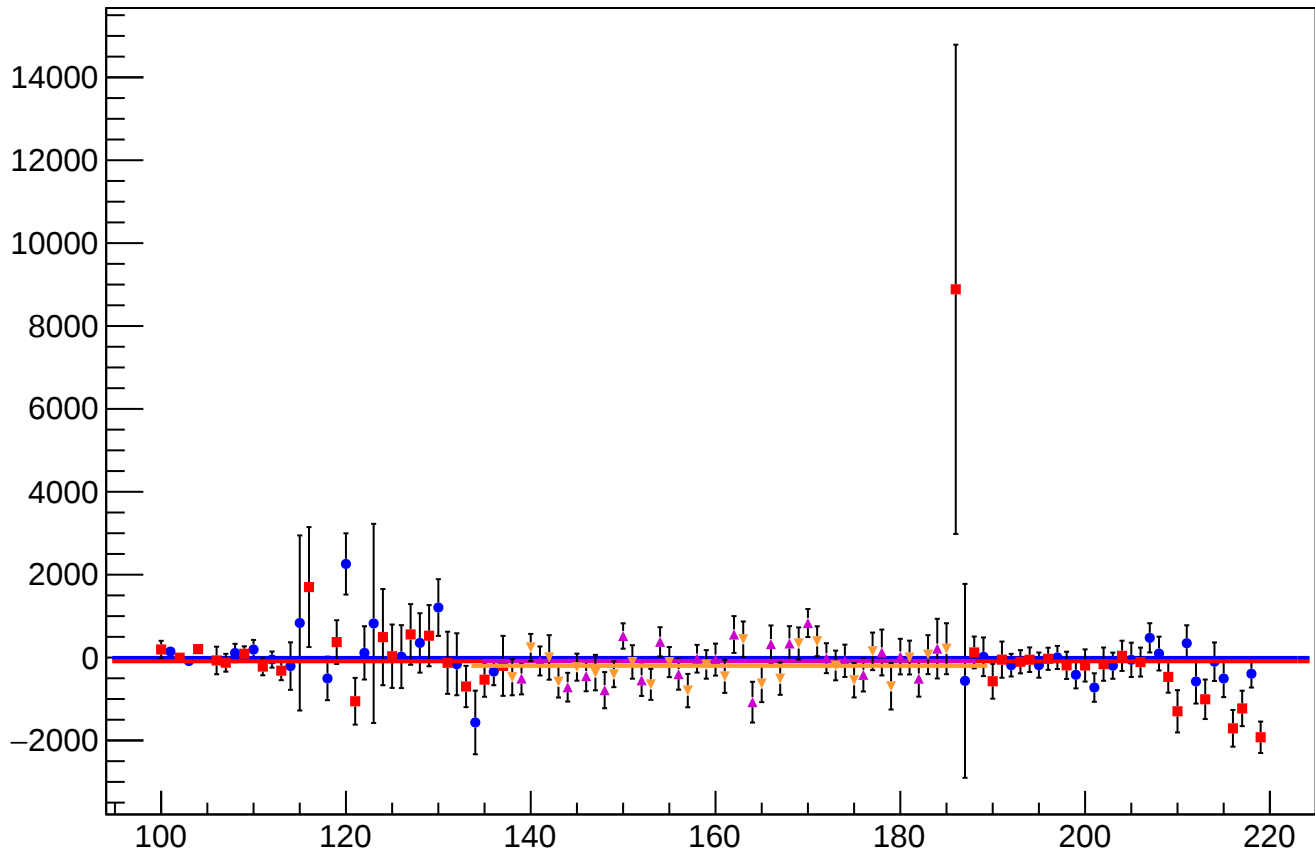
Left In: 64.511+/-0.011 χ^2/NDF : 370515.2/22

+ sign 61.912+/-0.007 χ^2/NDF : 1186951.5/57

All: 61.774+/-0.005 χ^2/NDF : 3236827.5/117

- sign 61.637+/-0.007 χ^2/NDF : 2049165.5/59

asym_sam_15_avg_correction_mean vs Slug



Right In: -8.705 ± 45.029 χ^2/NDF : 38.0/32

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -90.157 ± 45.717 χ^2/NDF : 81.6/36

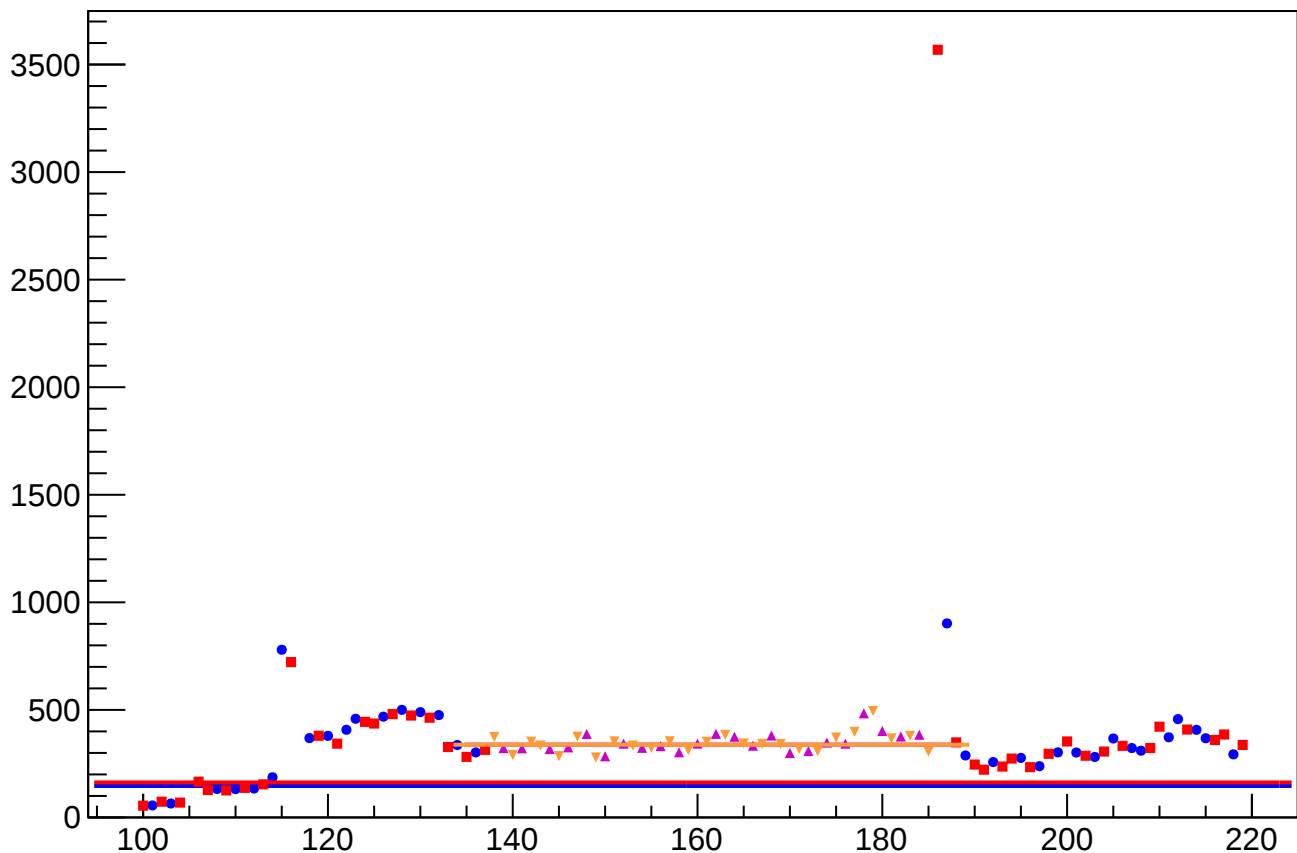
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -55.389 ± 39.187 χ^2/NDF : 62.1/57

All: -71.268 ± 27.960 χ^2/NDF : 177.4/117

- sign -87.735 ± 39.905 χ^2/NDF : 115.0/59

asym_sam_15_avg_correction_rms vs Slug



Right In: 146.408 $\pm$ 0.032 χ^2 /NDF: 14307841.9/32

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 162.772 $\pm$ 0.032 χ^2 /NDF: 13155676.8/36

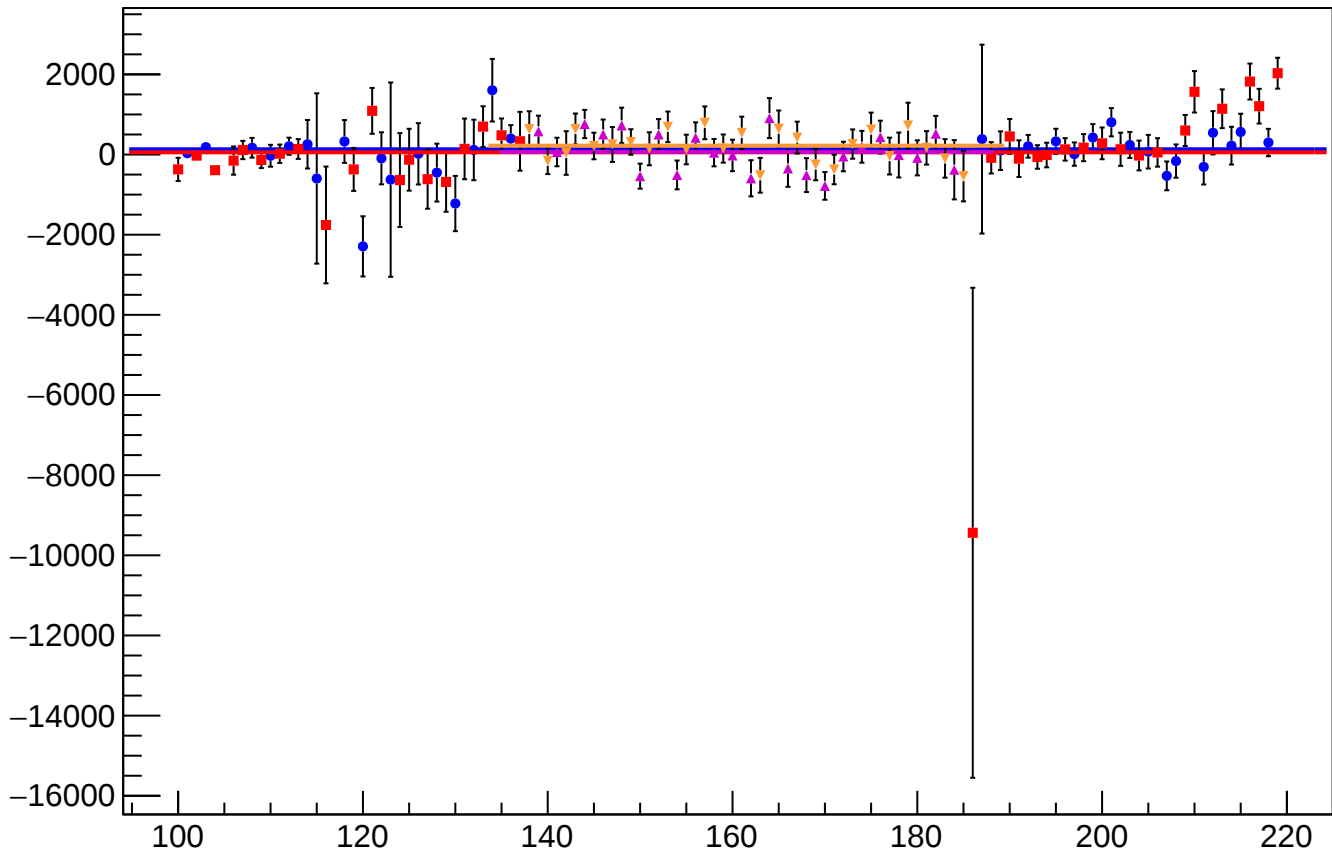
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 192.933 $\pm$ 0.028 χ^2 /NDF: 23604643.3/57

All: 198.674 $\pm$ 0.020 χ^2 /NDF: 44325814.8/11

- sign 204.627 $\pm$ 0.028 χ^2 /NDF: 20633722.8/59

asym_sam_15_avg_mean vs Slug



Right In: 130.967 ± 52.592 χ^2/NDF : 33.1/32

Left Out: 221.083 ± 81.018 χ^2/NDF : 19.7/24

Right Out: 55.581 ± 50.687 χ^2/NDF : 96.9/36

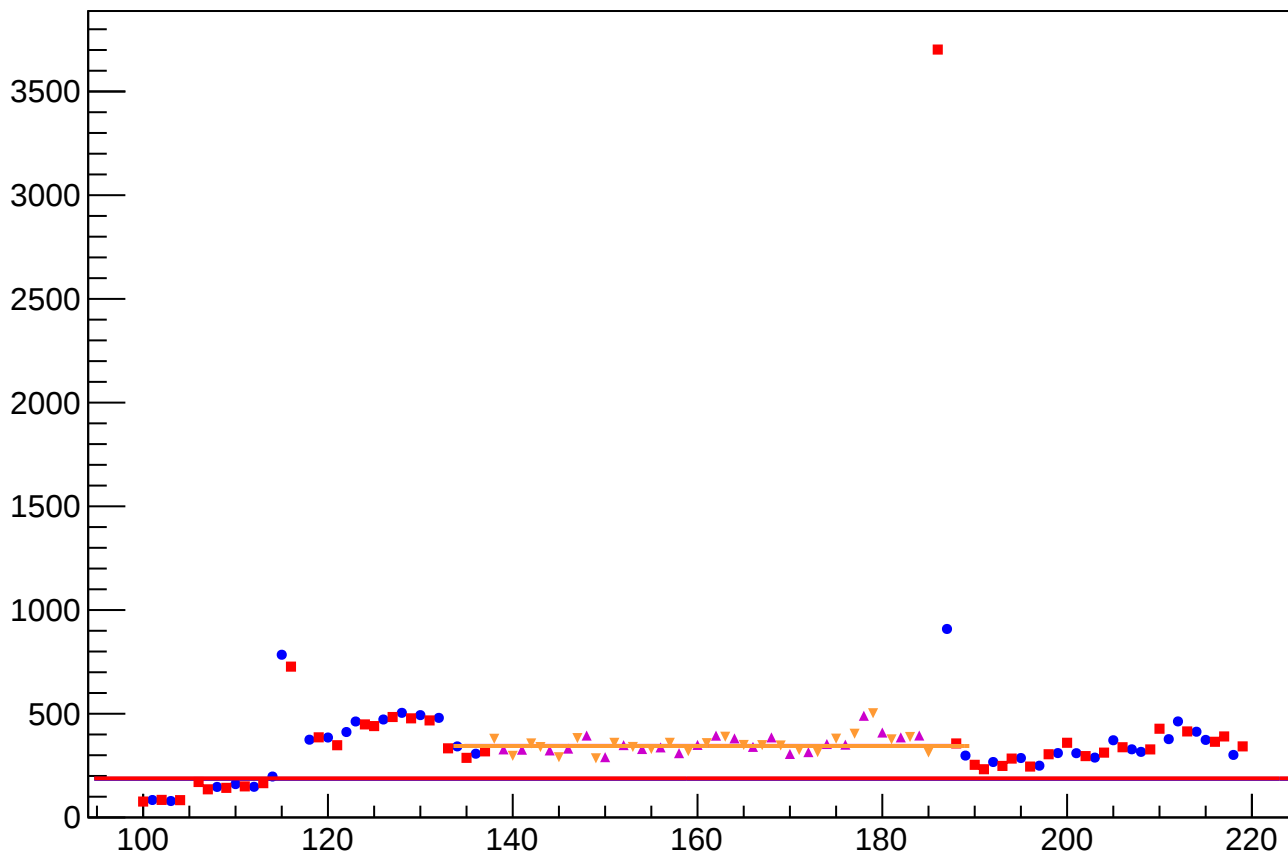
Left In: 65.510 ± 83.319 χ^2/NDF : 34.0/22

+ sign 157.682 ± 44.113 χ^2/NDF : 53.6/57

All: 107.052 ± 30.902 χ^2/NDF : 187.1/117

- sign 58.263 ± 43.304 χ^2/NDF : 130.9/59

asym_sam_15_avg_rms vs Slug



Right In: 186.203+/-0.037 χ^2/NDF : 10696199.3/32

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 188.315+/-0.036 χ^2/NDF : 10953564.8/36

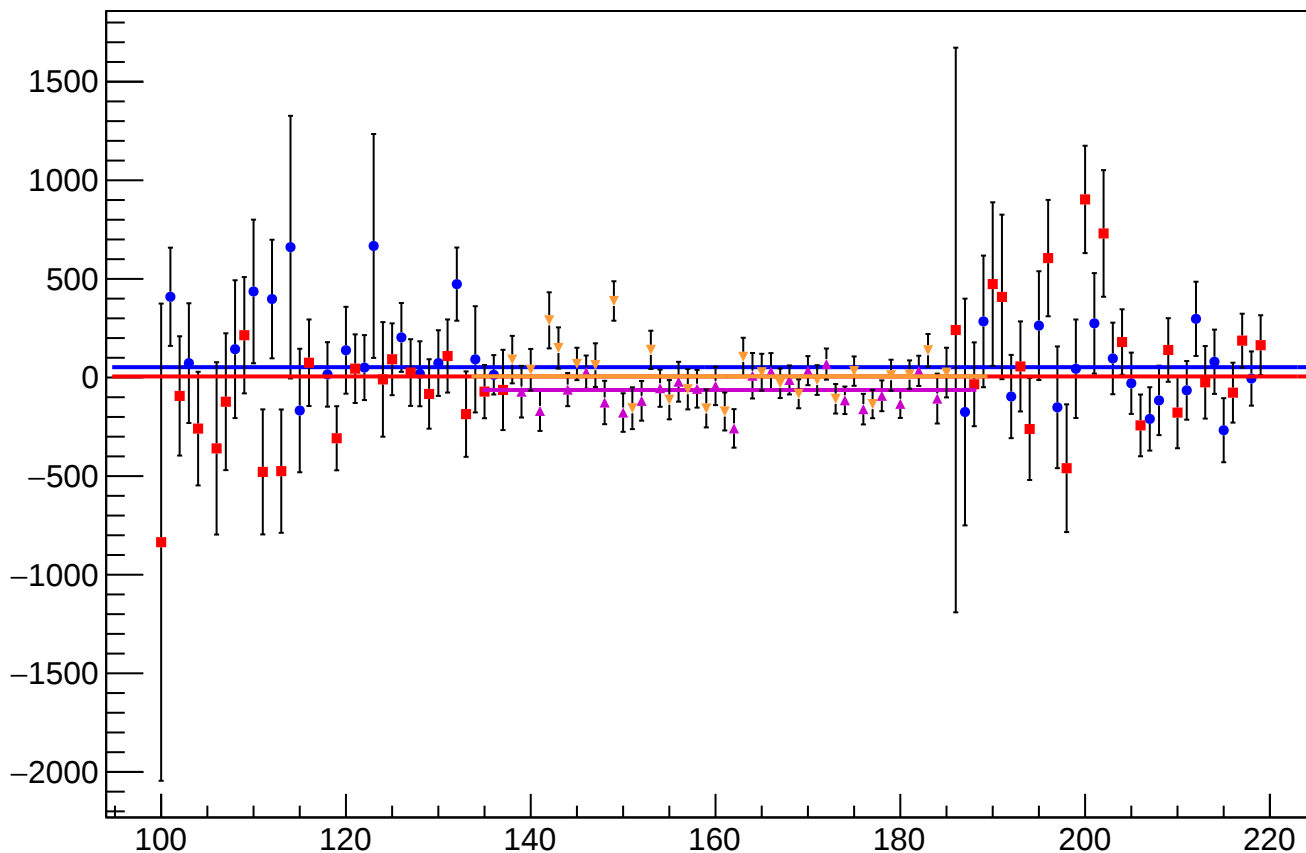
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 233.133+/-0.031 χ^2/NDF : 16556453.3/57

All: 231.868+/-0.022 χ^2/NDF : 33105589.0/11

- sign 230.650+/-0.031 χ^2/NDF : 16545907.8/59

reg_asym_sam_26_avg_mean vs Slug



Right In: 52.385+/-34.354 χ^2/NDF : 26.6/32

Left Out: 6.020+/-17.910 χ^2/NDF : 46.0/24

Right Out: 5.298+/-34.752 χ^2/NDF : 47.4/36

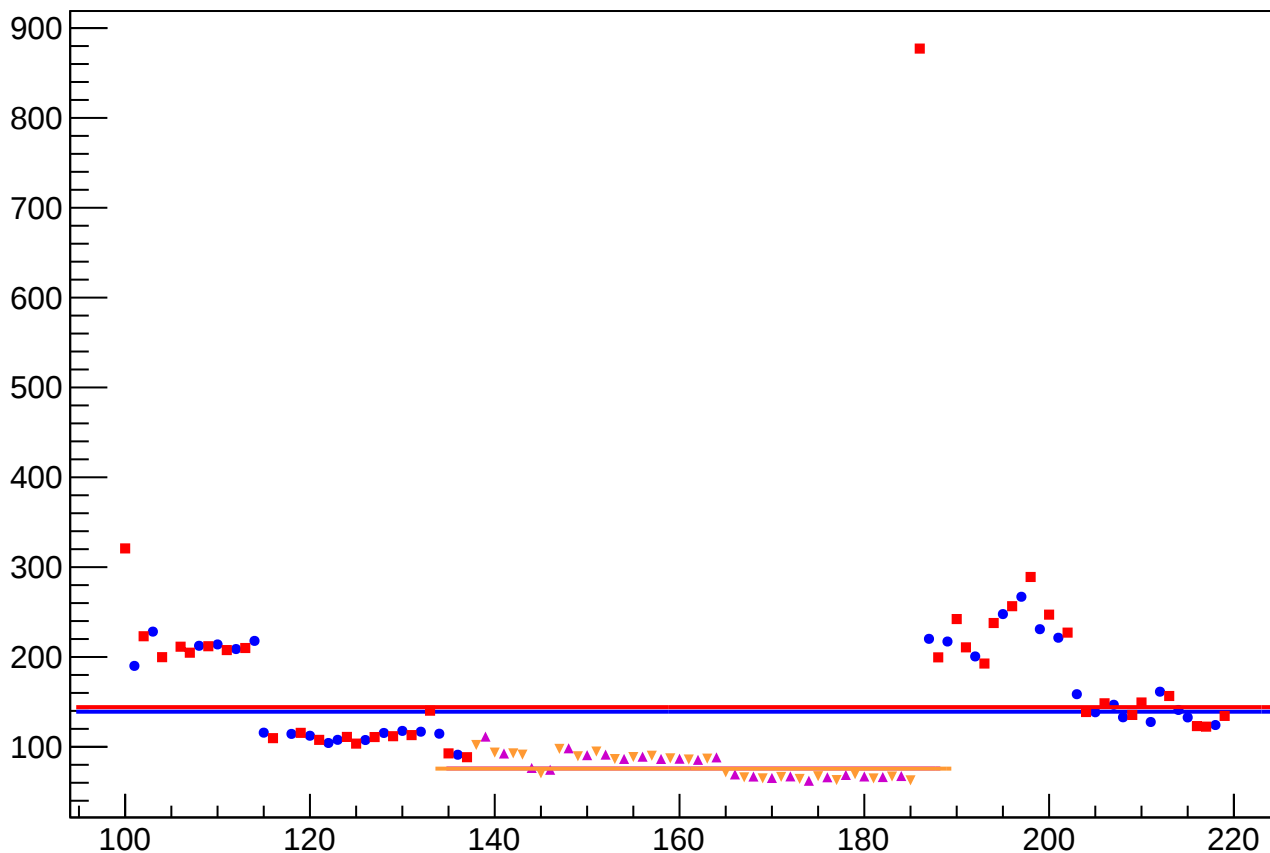
Left In: -63.279+/-18.447 χ^2/NDF : 19.8/22

+ sign 15.928+/-15.881 χ^2/NDF : 74.1/57

All: -15.317+/-11.373 χ^2/NDF : 152.3/117

- sign -48.205+/-16.293 χ^2/NDF : 70.3/59

reg_asym_sam_26_avg_rms vs Slug



Right In: 139.110+/-0.024 χ^2/NDF : 2939937.9/32

Left Out: 75.743+/-0.013 χ^2/NDF : 937821.8/24

Right Out: 144.191+/-0.025 χ^2/NDF : 4006391.1/36

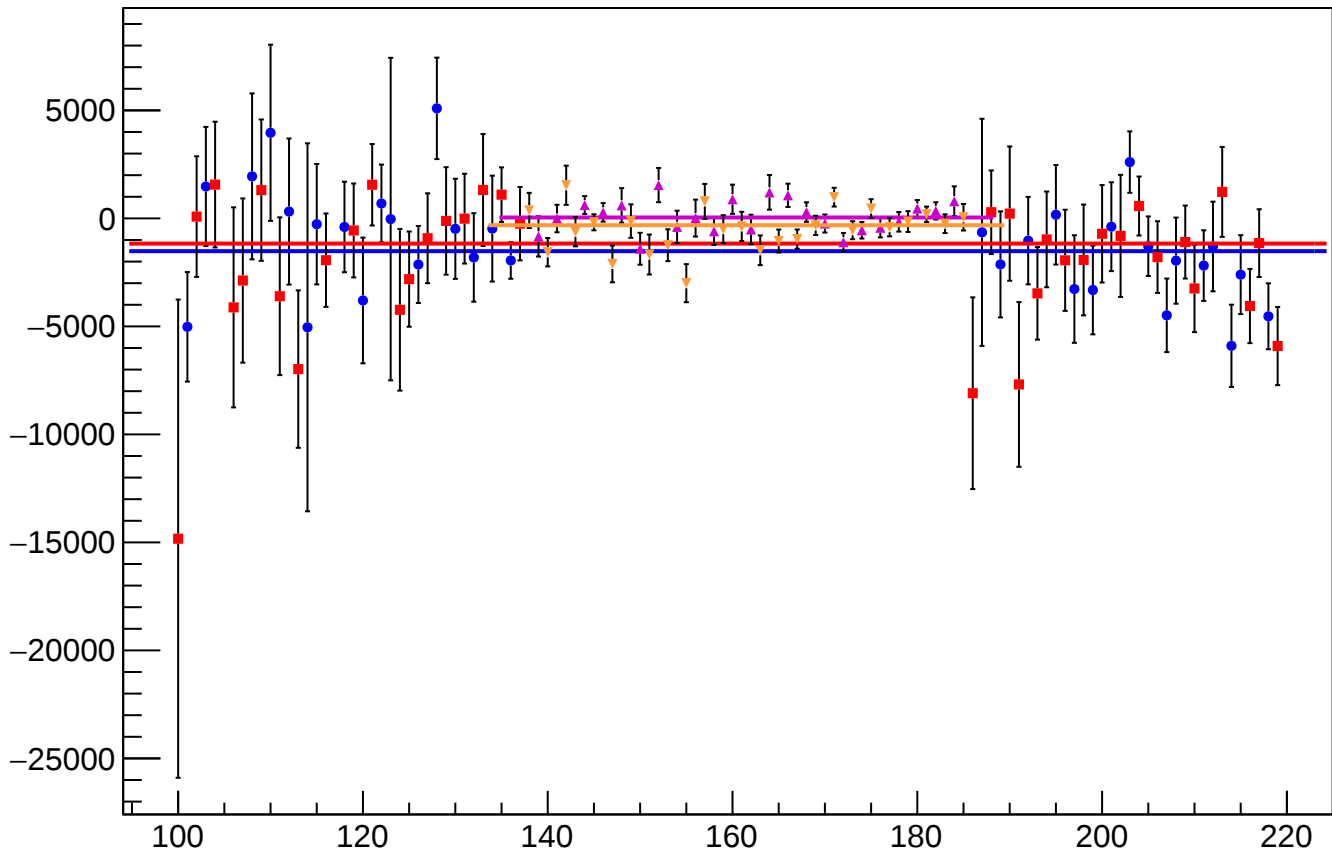
Left In: 75.909+/-0.013 χ^2/NDF : 831366.4/22

+ sign 89.285+/-0.011 χ^2/NDF : 9228209.1/57

All: 90.081+/-0.008 χ^2/NDF : 20100168.3/117

- sign 90.919+/-0.012 χ^2/NDF : 10861638.7/59

asym_sam_26_avg_correction_mean vs Slug



Right In: -1517.230 ± 347.273 $\chi^2/\text{NDF}: 41.0/32$

Left Out: -318.064 ± 108.014 $\chi^2/\text{NDF}: 50.0/24$

Right Out: -1166.496 ± 360.600 $\chi^2/\text{NDF}: 36.6/36$

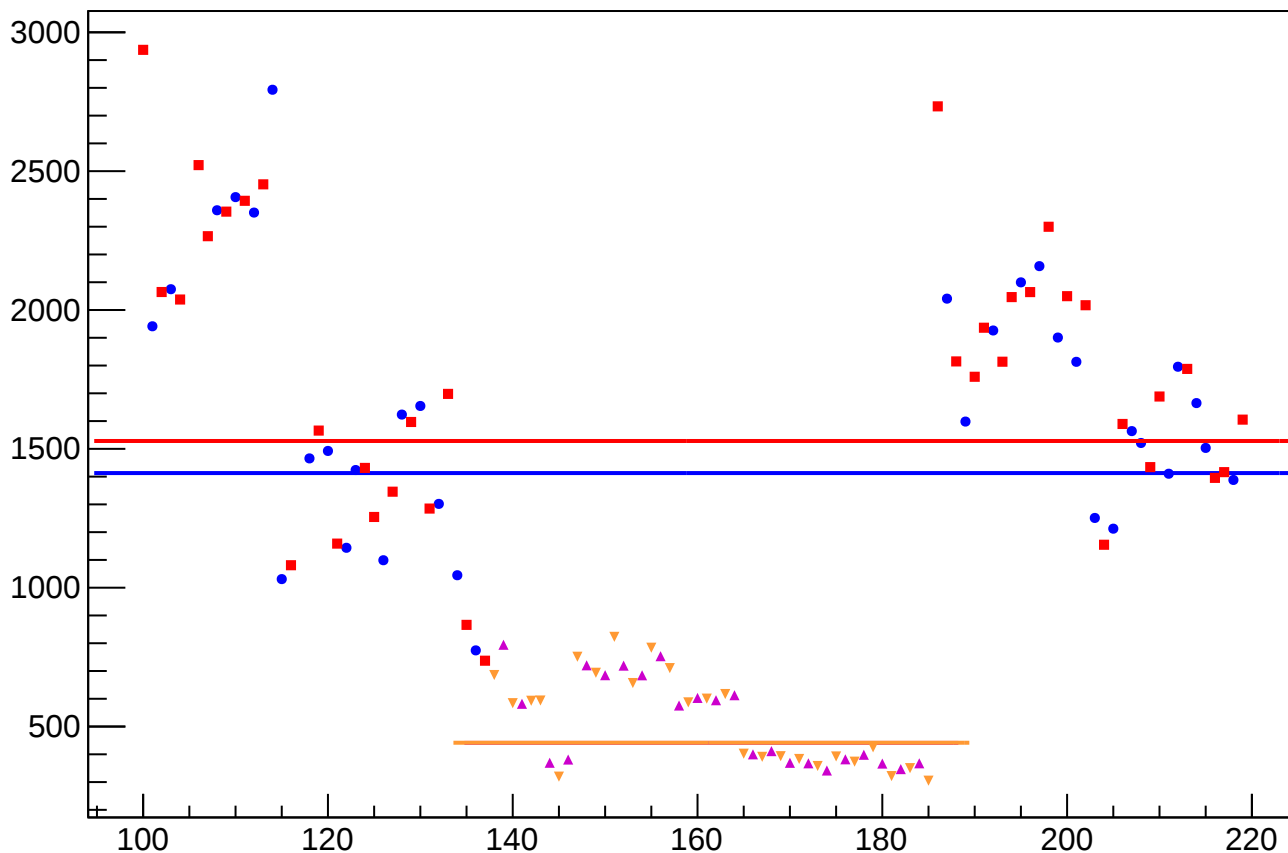
Left In: 40.473 ± 110.252 $\chi^2/\text{NDF}: 34.7/22$

+ sign -423.841 ± 103.140 $\chi^2/\text{NDF}: 101.9/57$

All: -247.248 ± 73.729 $\chi^2/\text{NDF}: 189.5/117$

- sign -62.711 ± 105.434 $\chi^2/\text{NDF}: 81.6/59$

asym_sam_26_avg_correction_rms vs Slug



Right In: 1412.800+/-0.246 χ^2/NDF : 2930670.9/32

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1528.315+/-0.255 χ^2/NDF : 2986445.0/36

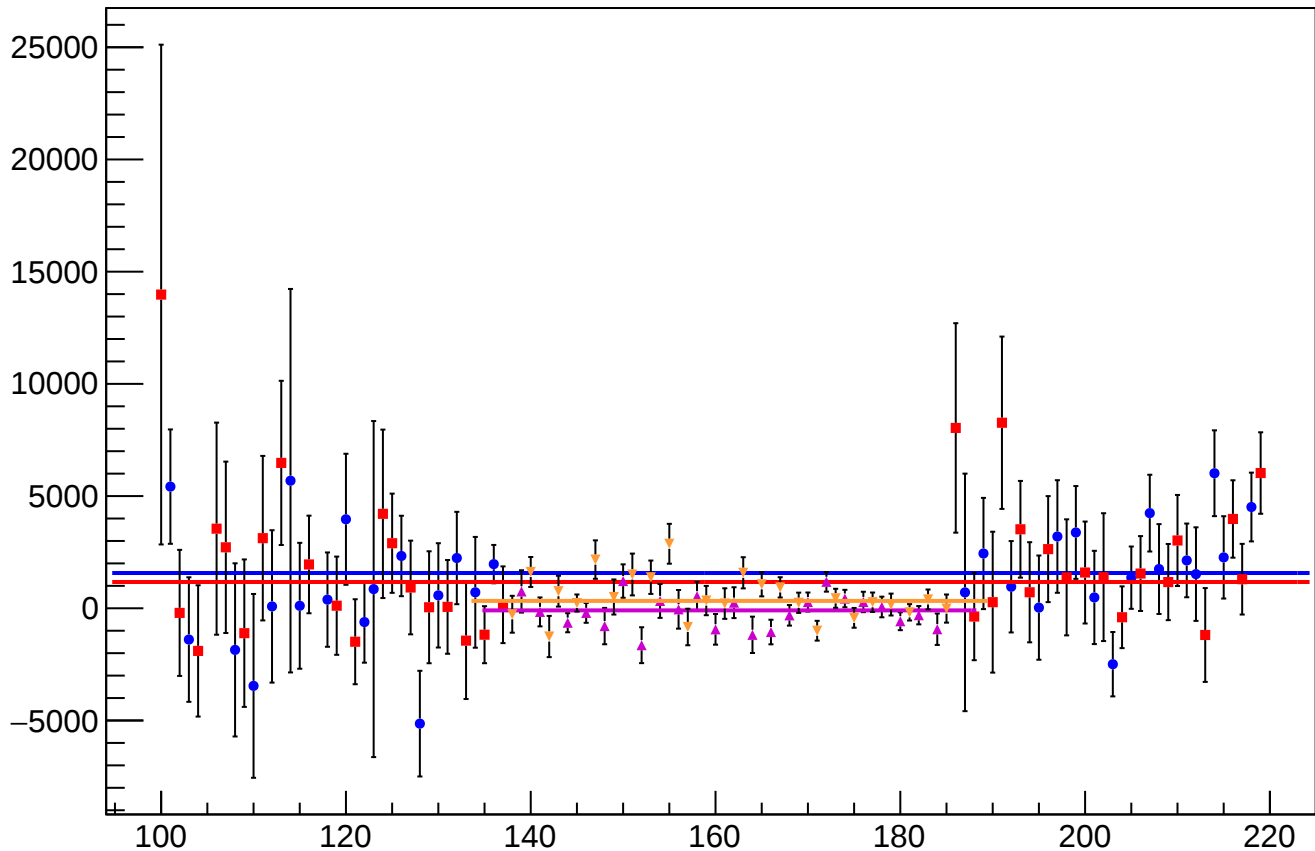
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 527.345+/-0.073 χ^2/NDF : 20359991.0/57

All: 530.581+/-0.052 χ^2/NDF : 42576716.6/11

- sign 533.962+/-0.075 χ^2/NDF : 22212700.3/59

asym_sam_26_avg_mean vs Slug



Right In: 1572.042 $\pm$ 349.343 χ^2 /NDF: 39.8/32

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 1171.440 $\pm$ 362.713 χ^2 /NDF: 36.1/36

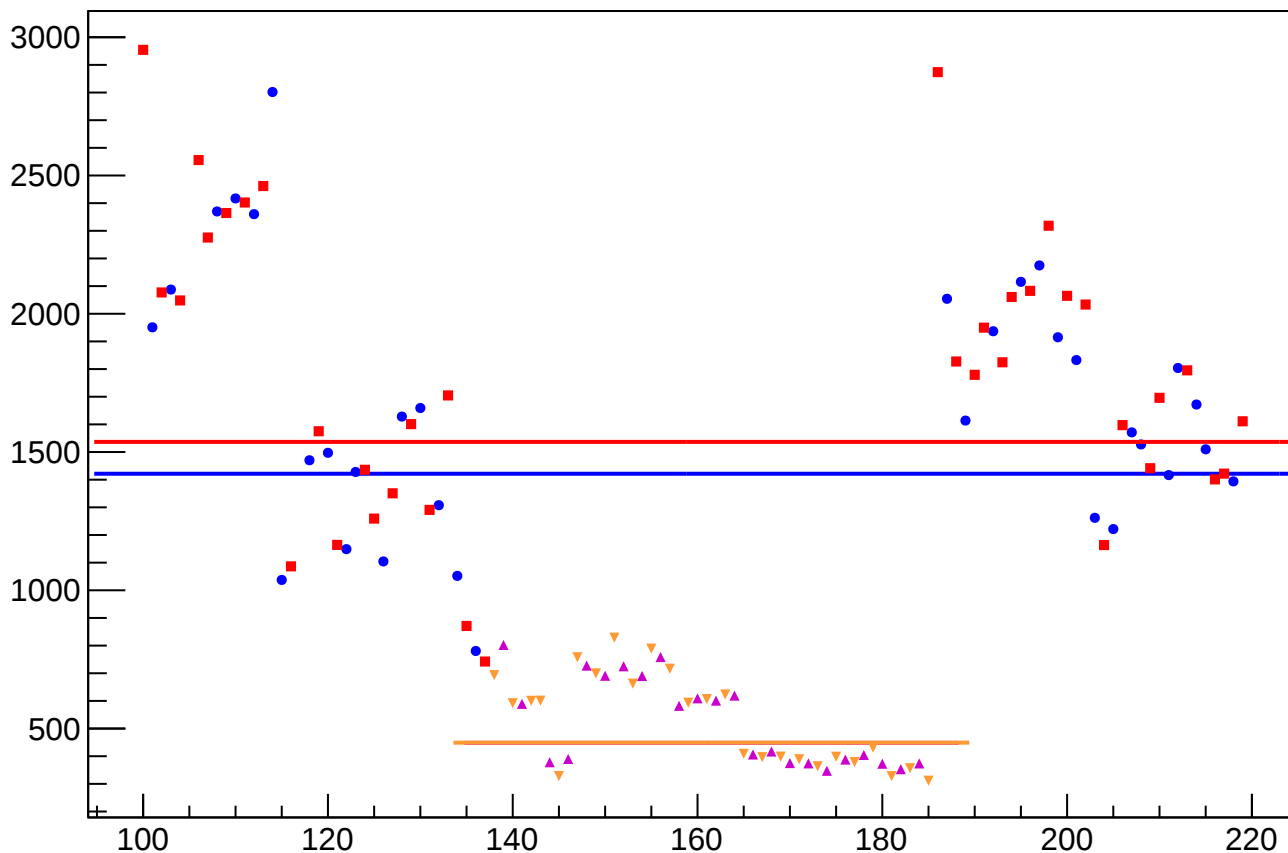
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 440.147 $\pm$ 104.633 χ^2 /NDF: 99.0/57

All: 233.122 $\pm$ 74.803 χ^2 /NDF: 187.6/117

- sign 16.711 $\pm$ 106.979 χ^2 /NDF: 80.5/59

asym_sam_26_avg_rms vs Slug



Right In: 1421.494+/-0.247 χ^2/NDF : 2919211.9/32

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1536.690+/-0.256 χ^2/NDF : 3006118.4/36

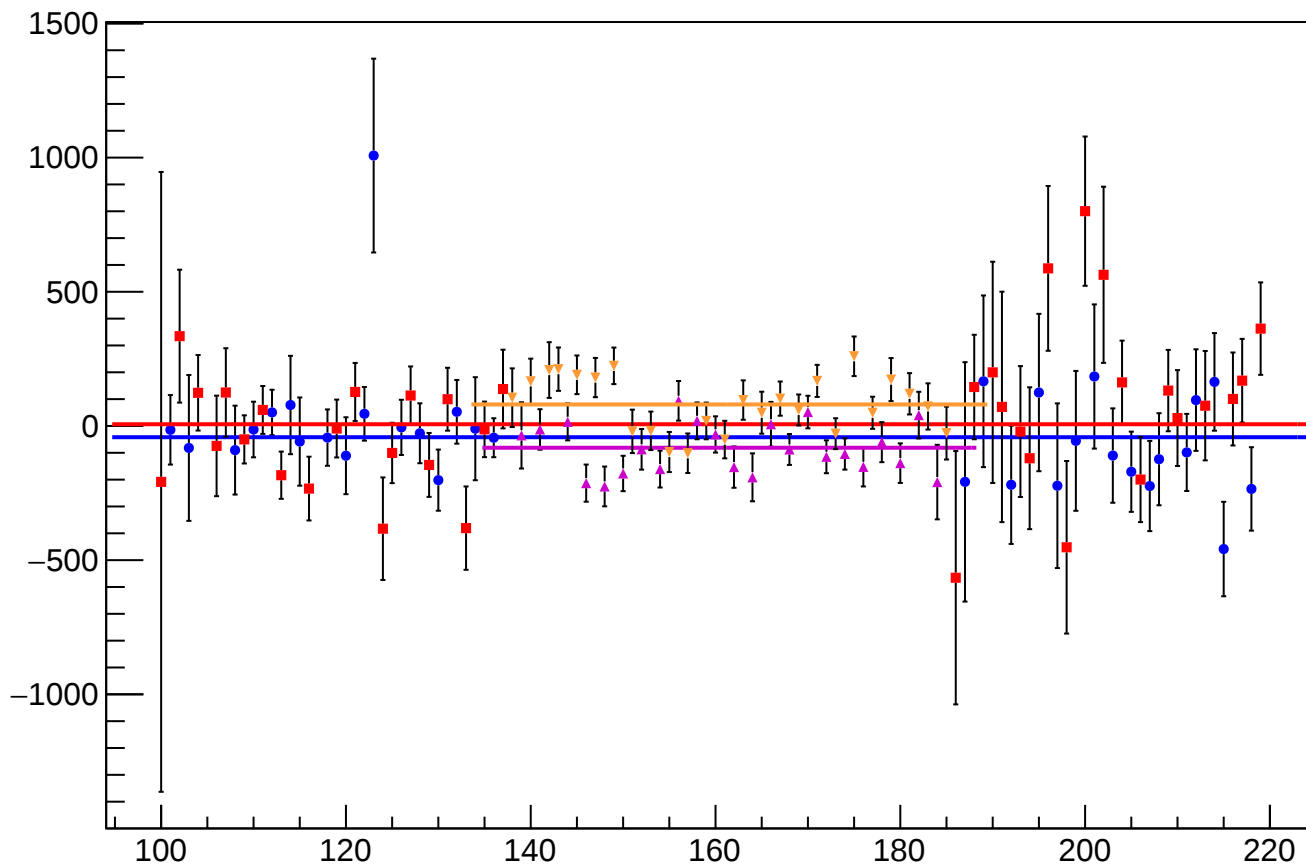
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 536.257+/-0.074 χ^2/NDF : 20117679.6/57

All: 539.547+/-0.053 χ^2/NDF : 42106786.5/11

- sign 542.986+/-0.076 χ^2/NDF : 21985062.0/59

reg_asym_sam_37_avg_mean vs Slug



Right In: -41.915 ± 24.924 $\chi^2/\text{NDF}: 28.1/32$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: 6.436 ± 24.434 $\chi^2/\text{NDF}: 57.5/36$

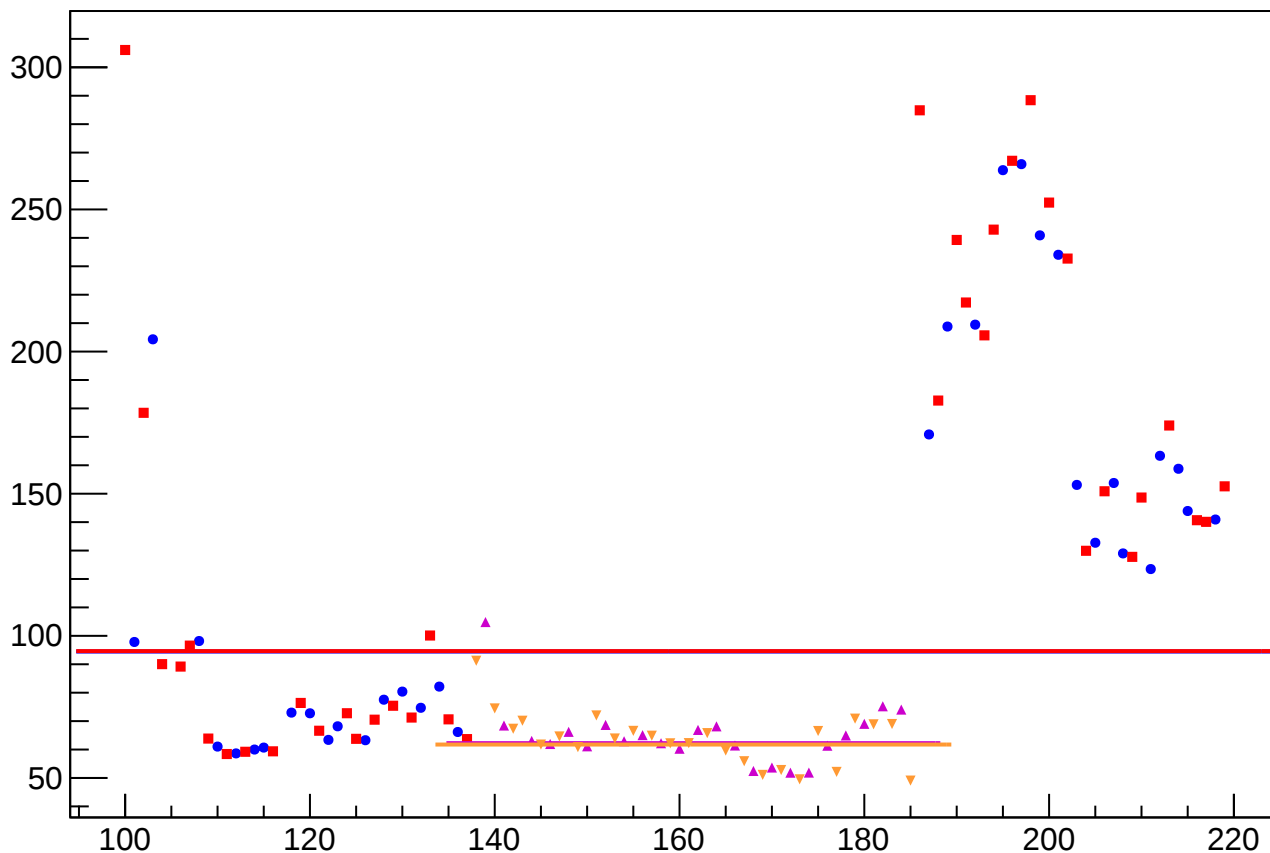
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 49.006 ± 12.593 $\chi^2/\text{NDF}: 94.5/57$

All: -2.900 ± 8.993 $\chi^2/\text{NDF}: 231.3/117$

- sign -56.936 ± 12.848 $\chi^2/\text{NDF}: 102.1/59$

reg_asym_sam_37_avg_rms vs Slug



Right In: 94.478 $\pm$ 0.018 χ^2 /NDF: 6952301.3/32

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 94.629 $\pm$ 0.017 χ^2 /NDF: 8182273.6/36

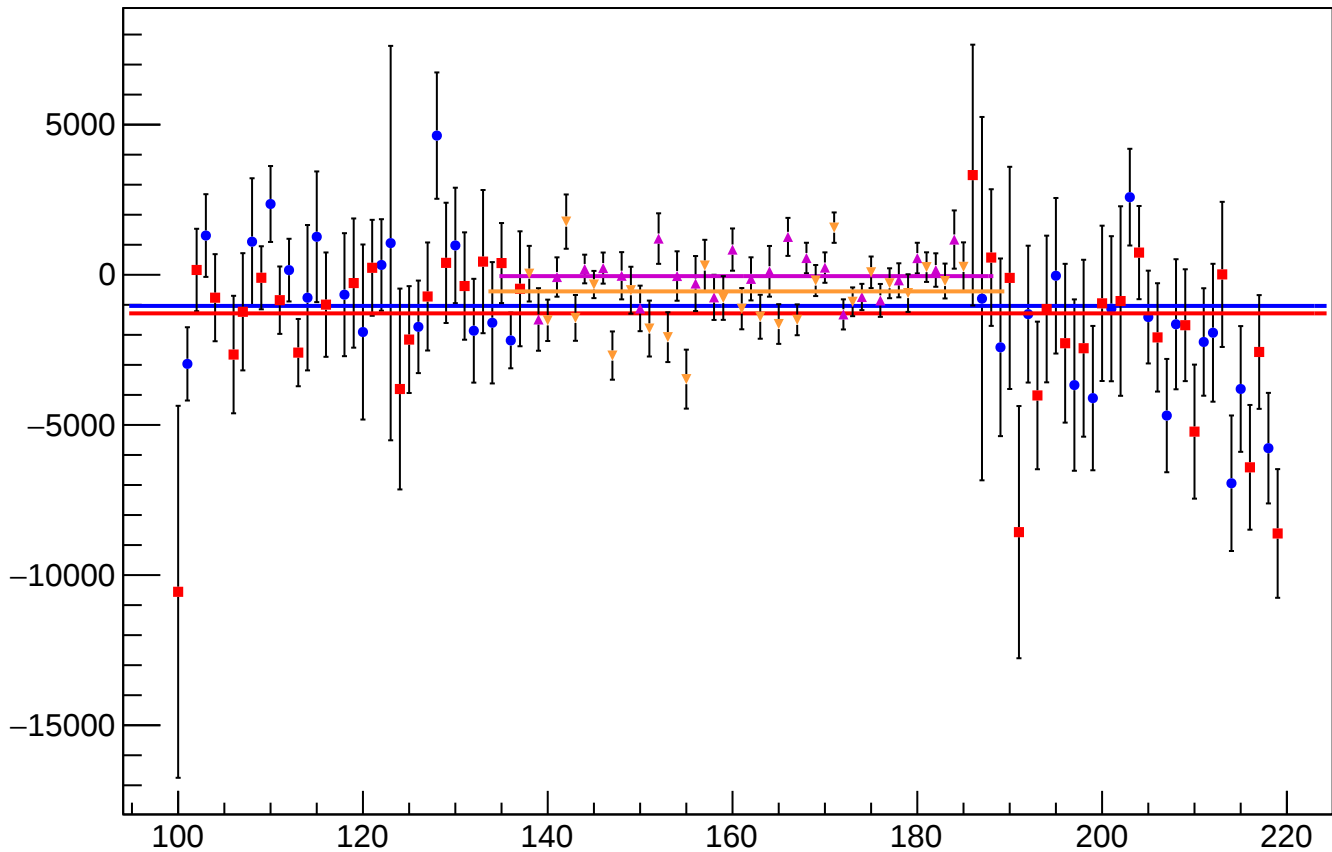
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 70.113 $\pm$ 0.009 χ^2 /NDF: 10164347.6/57

All: 70.647 $\pm$ 0.006 χ^2 /NDF: 21486015.7/117

- sign 71.203 $\pm$ 0.009 χ^2 /NDF: 11314323.4/59

asym_sam_37_avg_correction_mean vs Slug



Right In: -1036.492 ± 311.754 χ^2/NDF : 55.1/32

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -1284.621 ± 306.976 χ^2/NDF : 42.1/36

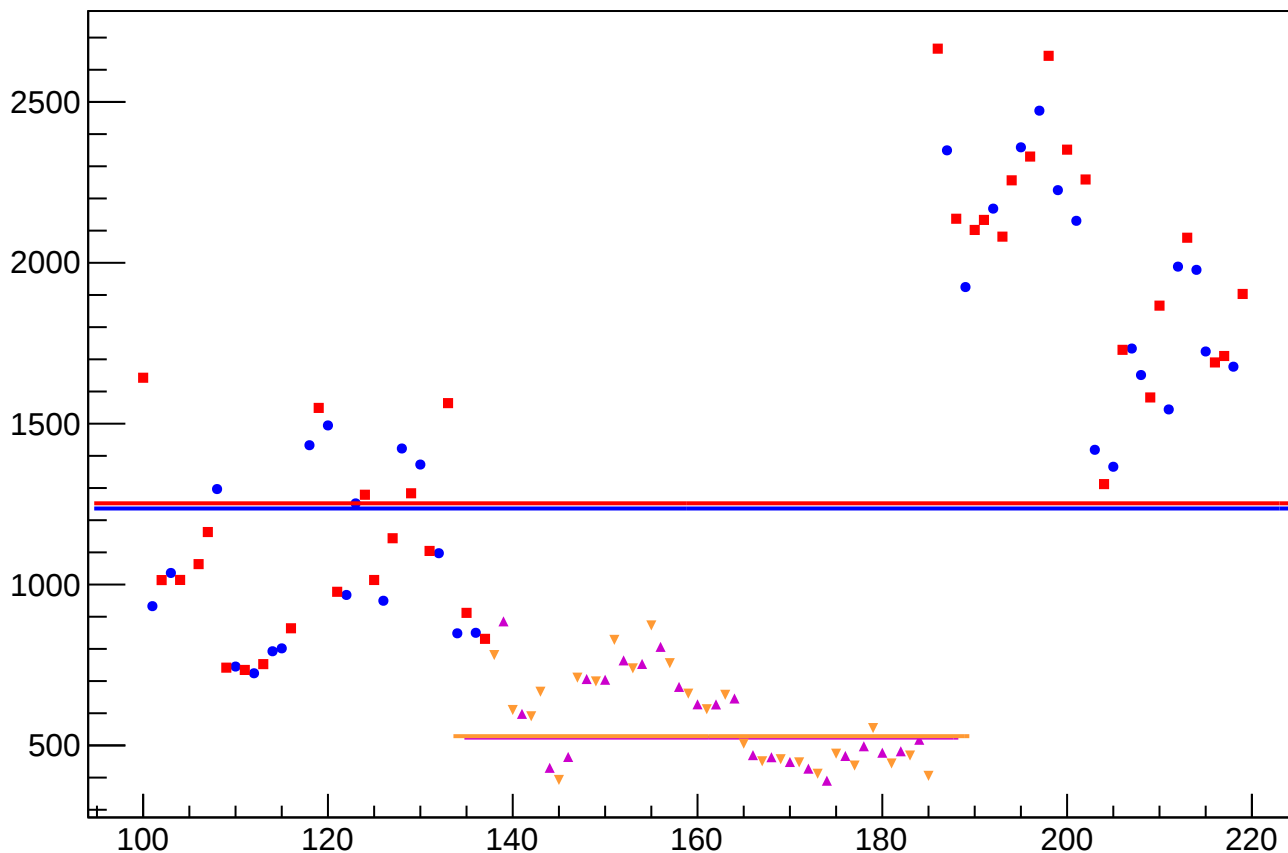
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -621.379 ± 117.600 χ^2/NDF : 122.5/57

All: -428.463 ± 83.646 χ^2/NDF : 213.5/117

- sign -230.926 ± 119.000 χ^2/NDF : 85.6/59

asym_sam_37_avg_correction_rms vs Slug



Right In: 1236.360 $\pm$ 0.220 χ^2 /NDF: 4563399.9/32

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1252.495 $\pm$ 0.217 χ^2 /NDF: 5555542.5/36

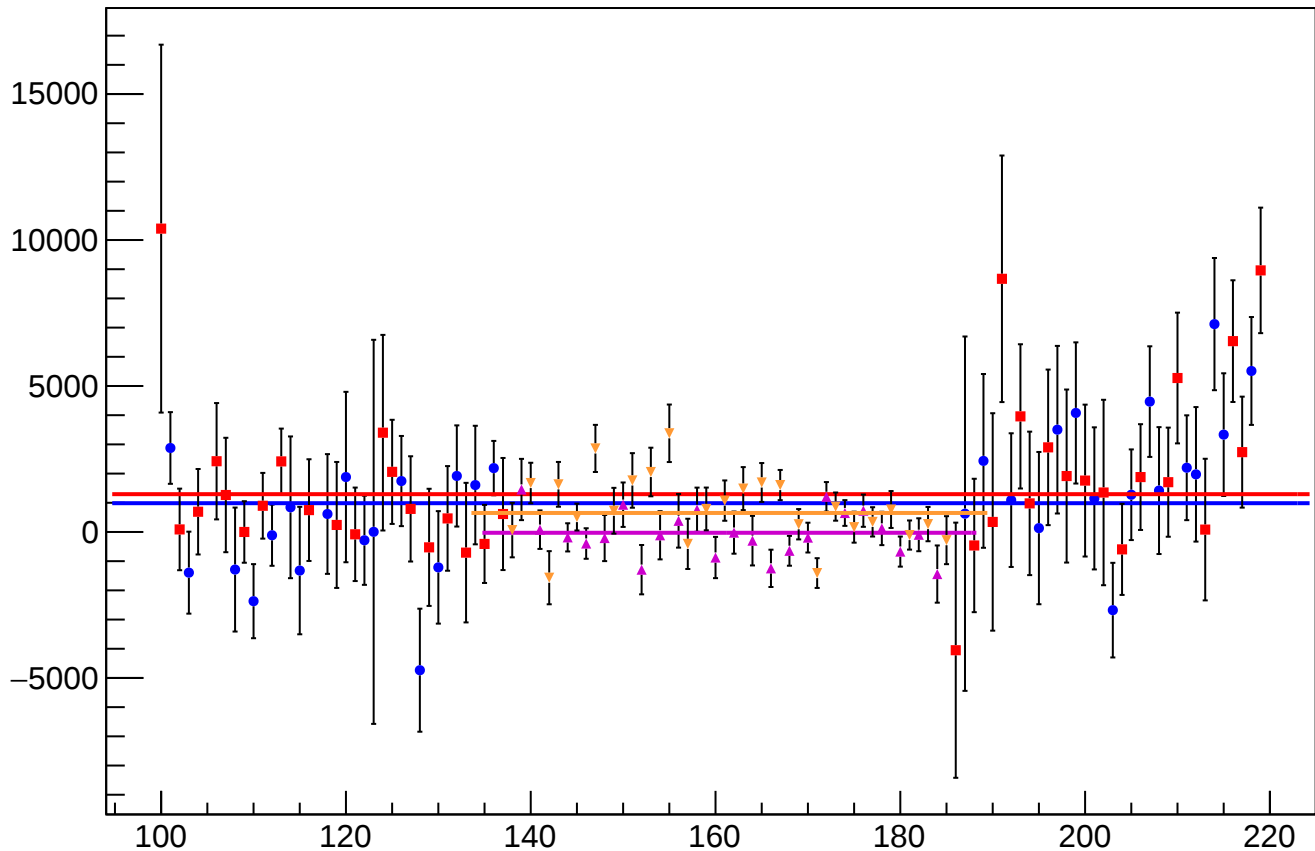
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 629.428 $\pm$ 0.083 χ^2 /NDF: 15385009.1/57

All: 631.540 $\pm$ 0.059 χ^2 /NDF: 32221989.6/1

- sign 633.702 $\pm$ 0.084 χ^2 /NDF: 16835674.8/59

asym_sam_37_avg_mean vs Slug



Right In: 985.833 ± 313.191 χ^2/NDF : 54.0/32

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 1294.962 ± 308.487 χ^2/NDF : 42.6/36

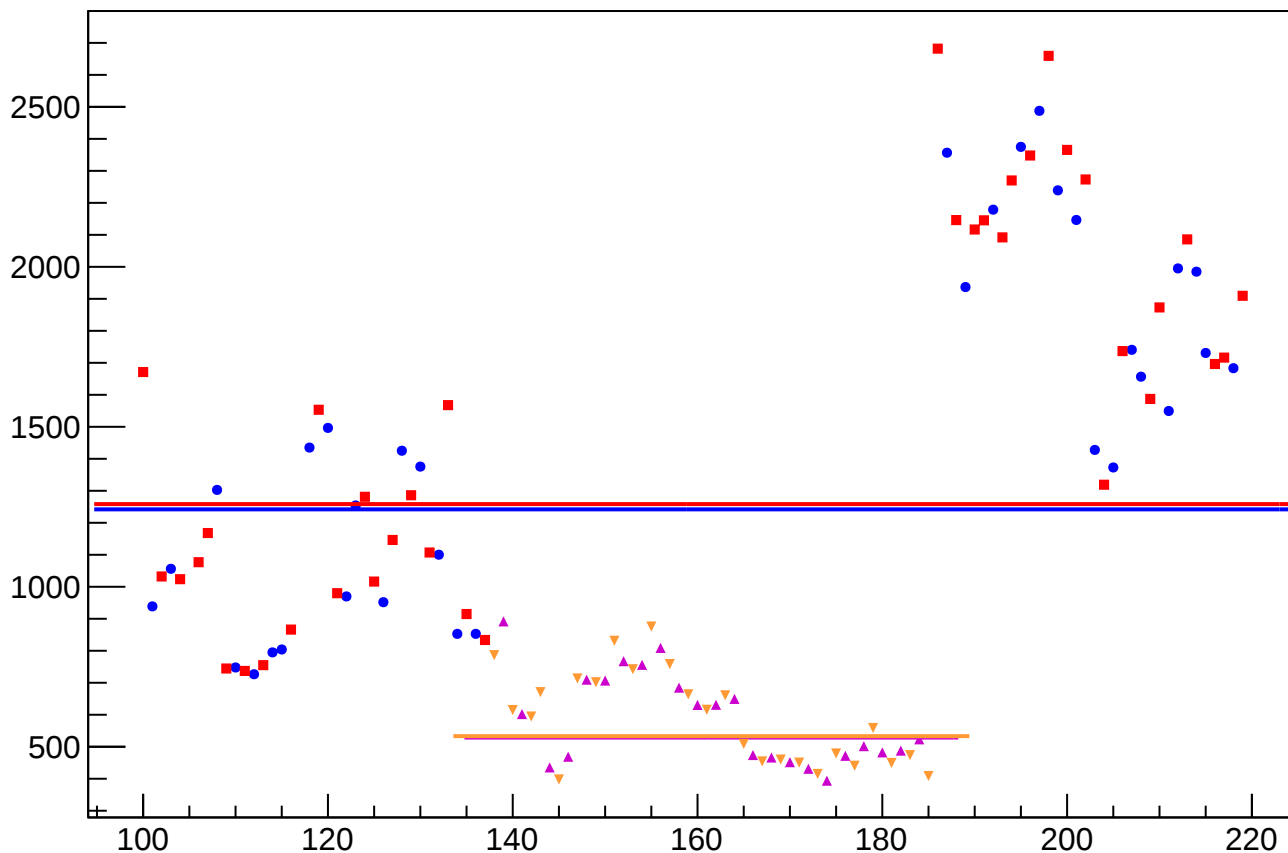
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 699.378 ± 118.455 χ^2/NDF : 116.0/57

All: 439.015 ± 84.265 χ^2/NDF : 212.5/117

- sign 172.280 ± 119.896 χ^2/NDF : 86.7/59

asym_sam_37_avg_rms vs Slug



Right In: 1241.990+/-0.221 χ^2/NDF : 4567139.5/32

Left Out: 533.060+/-0.090 χ^2/NDF : 1951536.4/24

Right Out: 1258.429+/-0.218 χ^2/NDF : 5560514.2/36

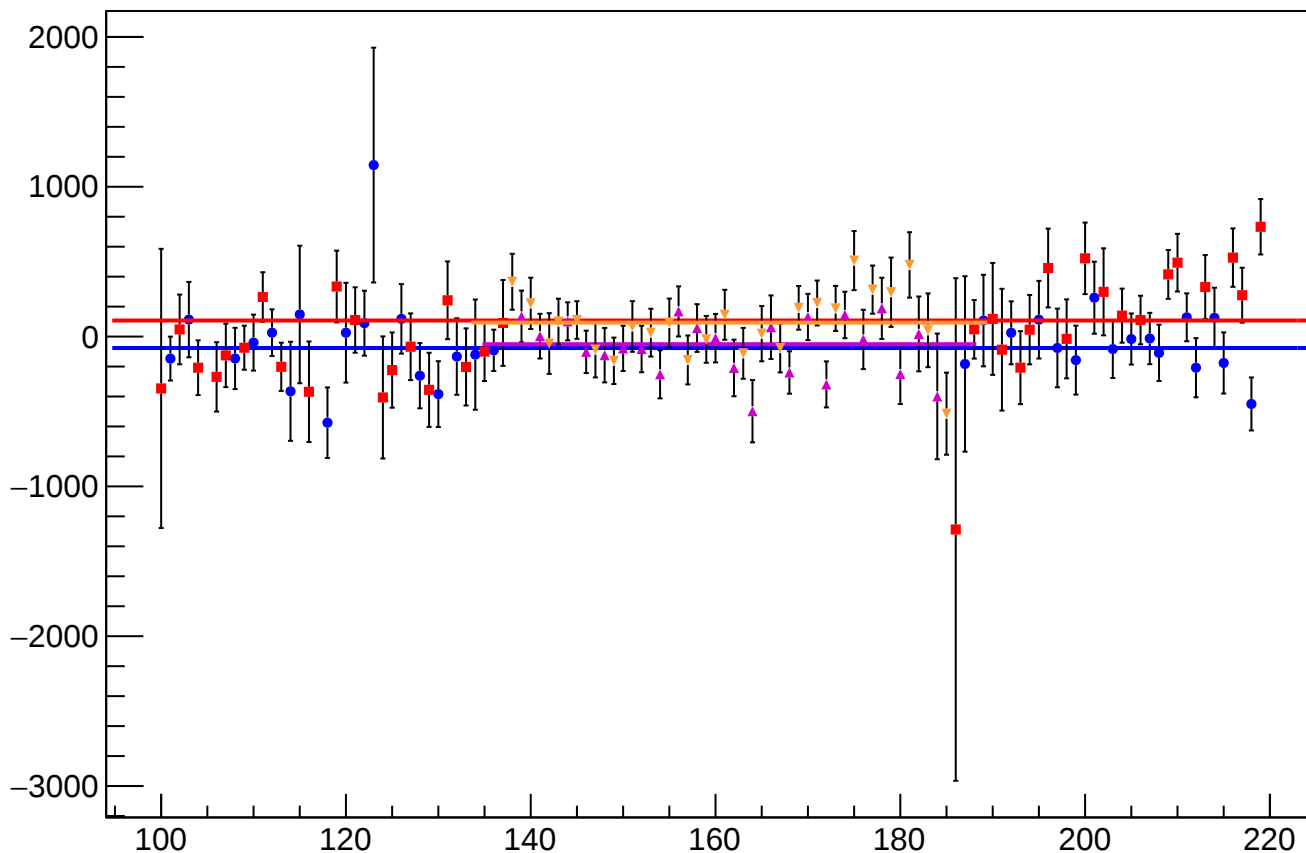
Left In: 528.694+/-0.092 χ^2/NDF : 1688511.2/22

+ sign 634.474+/-0.084 χ^2/NDF : 15300272.6/57

All: 636.672+/-0.060 χ^2/NDF : 32051606.9/1

- sign 638.925+/-0.085 χ^2/NDF : 16749939.4/59

reg_asym_sam_48_avg_mean vs Slug



Right In: -76.358 ± 37.096 χ^2/NDF : 24.8/32

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 107.292 ± 36.275 χ^2/NDF : 60.3/36

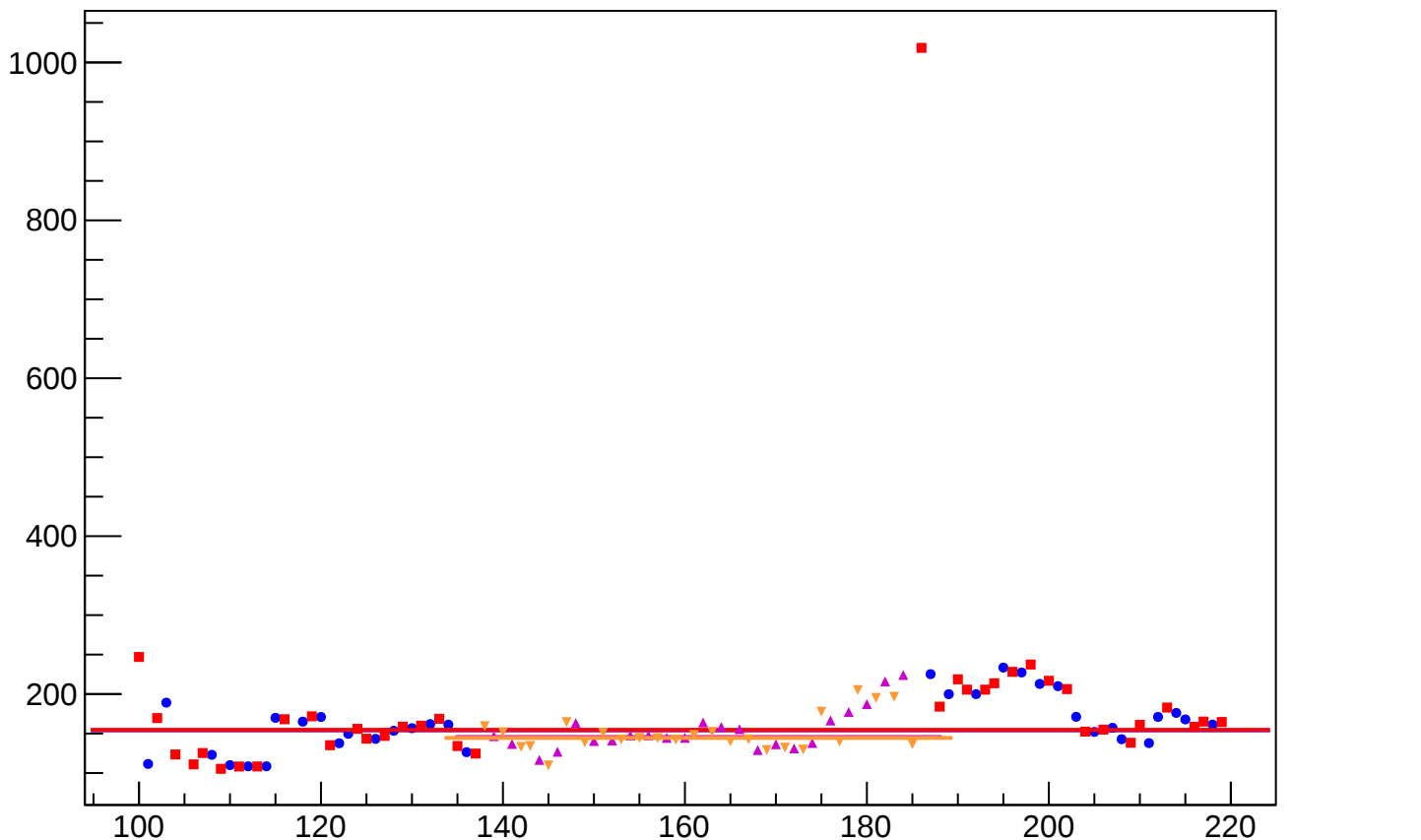
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 15.546 ± 25.086 χ^2/NDF : 65.5/57

All: 20.730 ± 17.811 χ^2/NDF : 159.1/117

- sign 25.998 ± 25.291 χ^2/NDF : 93.5/59

reg_asym_sam_48_avg_rms vs Slug



Right In: 154.140 $\pm$ 0.026 χ^2 /NDF: 1533403.6/32

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 154.578 $\pm$ 0.026 χ^2 /NDF: 2337469.8/36

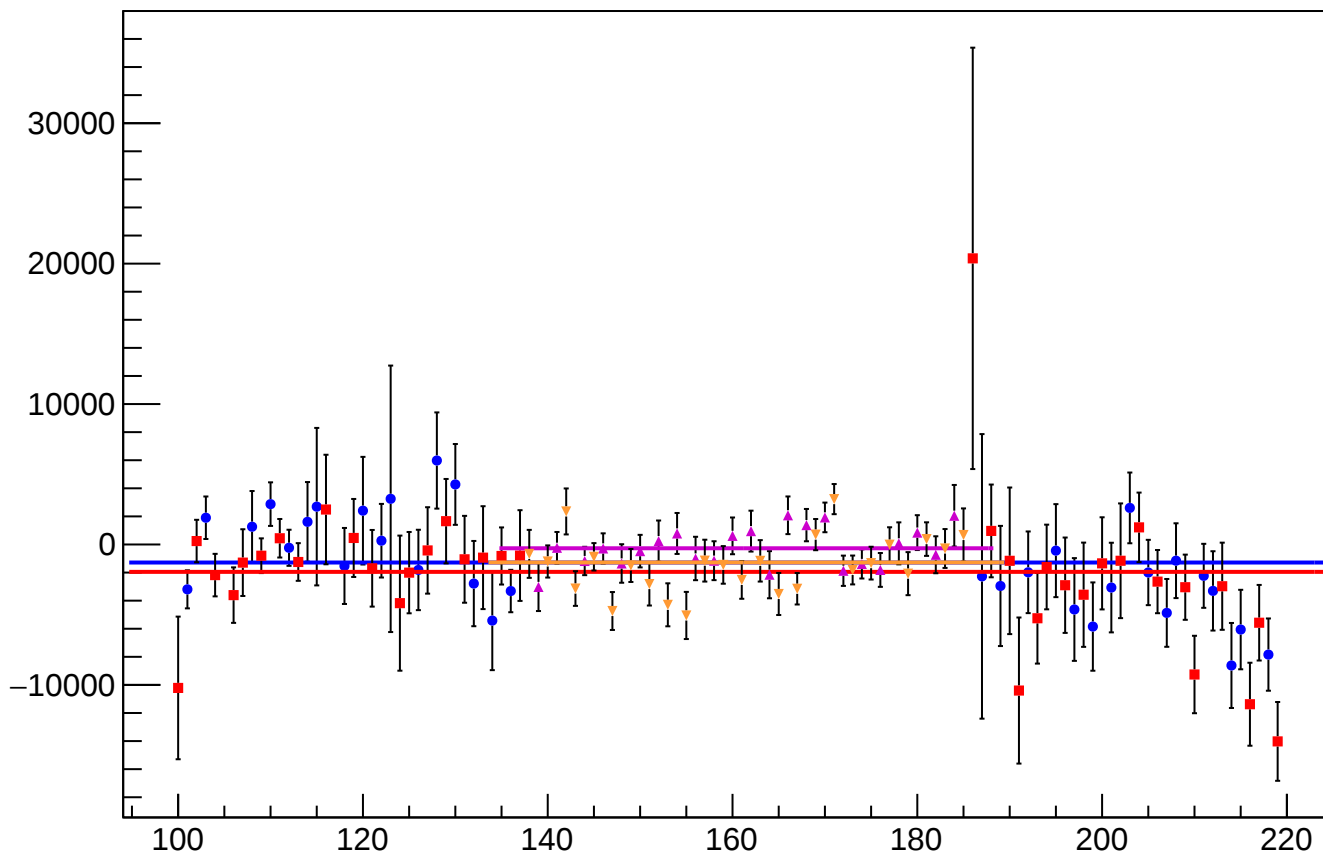
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 148.895 $\pm$ 0.018 χ^2 /NDF: 2277566.6/57

All: 149.409 $\pm$ 0.013 χ^2 /NDF: 5324132.0/117

- sign 149.931 $\pm$ 0.018 χ^2 /NDF: 3044875.8/59

asym_sam_48_avg_correction_mean vs Slug



Right In: -1284.459 ± 425.036 χ^2/NDF : 54.1/32

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1950.243 ± 402.880 χ^2/NDF : 61.0/36

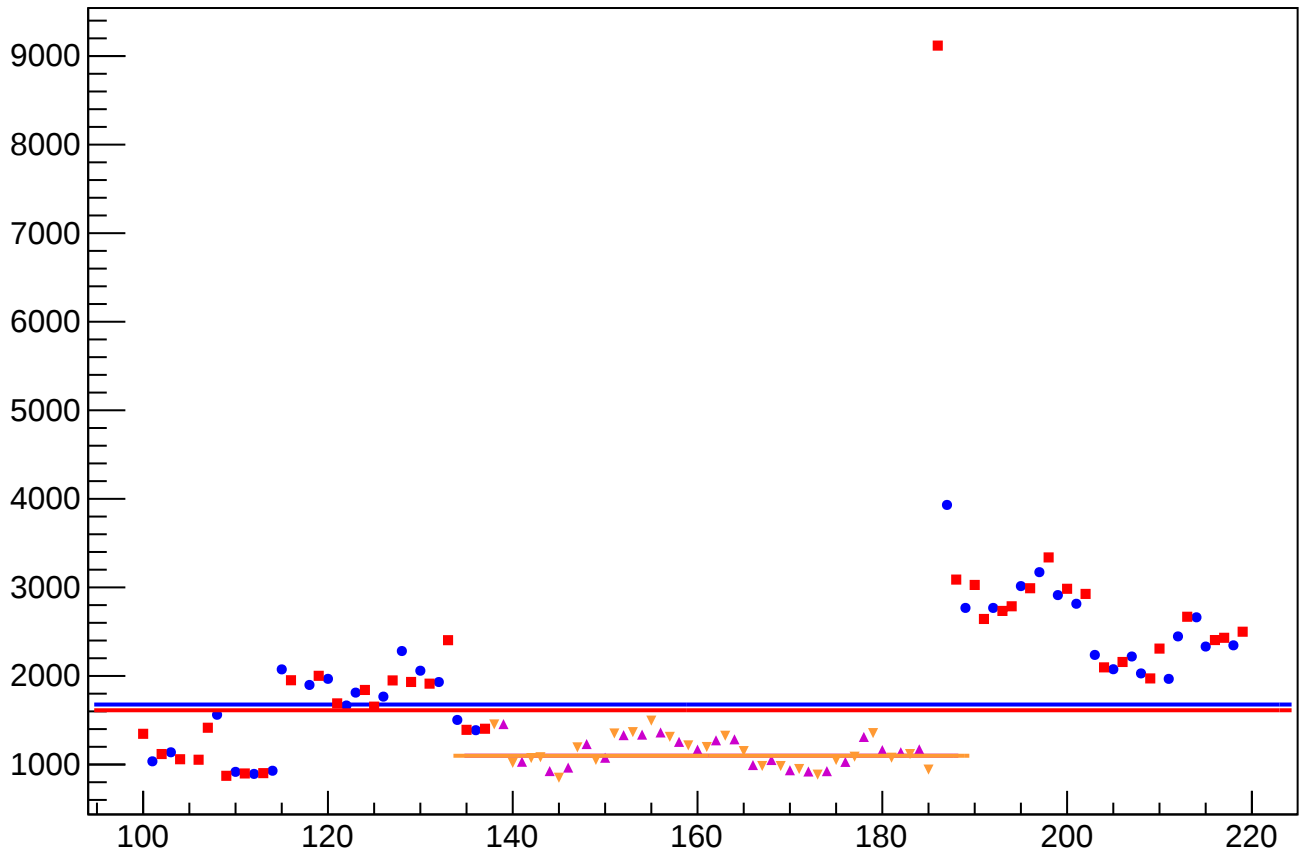
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1280.719 ± 221.358 χ^2/NDF : 110.1/57

All: -1031.582 ± 156.794 χ^2/NDF : 210.0/117

- sign -780.718 ± 222.123 χ^2/NDF : 97.3/59

asym_sam_48_avg_correction_rms vs Slug



Right In: 1677.300+/-0.301 χ^2/NDF : 4957139.2/32

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1612.527+/-0.285 χ^2/NDF : 6848334.4/36

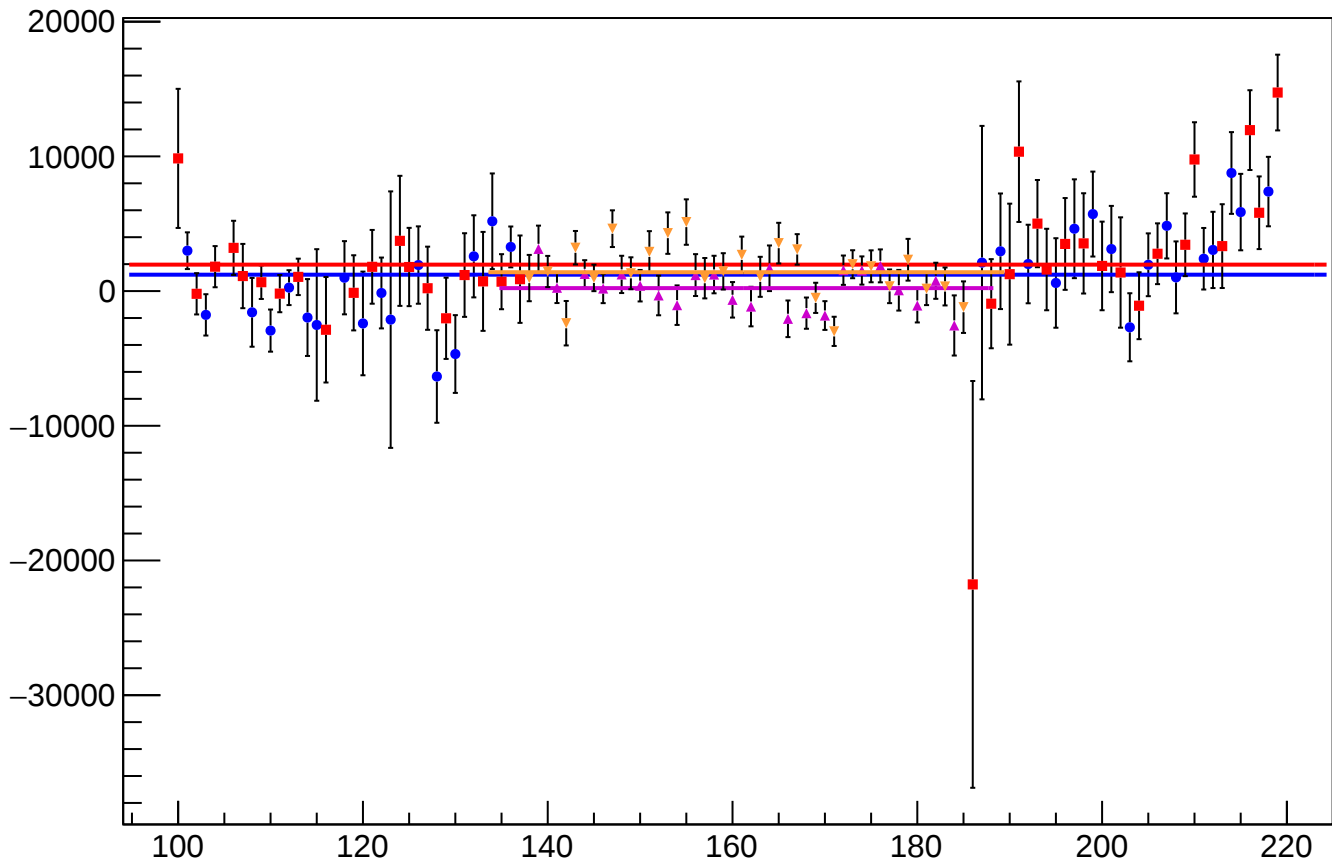
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1255.787+/-0.157 χ^2/NDF : 8480526.3/57

All: 1255.647+/-0.111 χ^2/NDF : 18265285.6/1

- sign 1255.506+/-0.157 χ^2/NDF : 9784757.7/59

asym_sam_48_avg_mean vs Slug



Right In: 1216.718 $\pm$ 427.239 χ^2 /NDF: 53.2/32

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 1963.477 $\pm$ 405.352 χ^2 /NDF: 65.2/36

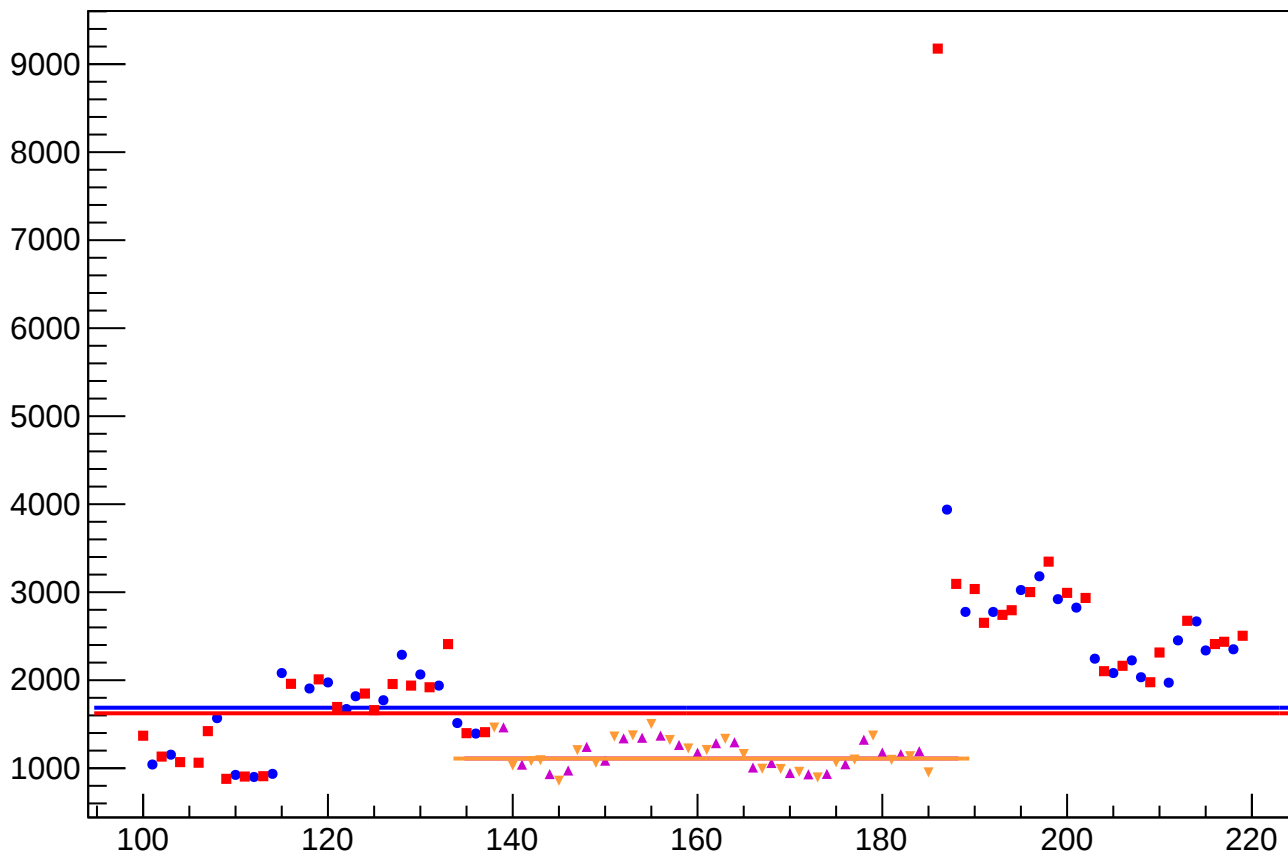
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1350.298 $\pm$ 223.227 χ^2 /NDF: 105.6/57

All: 1052.366 $\pm$ 158.136 χ^2 /NDF: 212.2/117

- sign 752.231 $\pm$ 224.051 χ^2 /NDF: 103.0/59

asym_sam_48_avg_rms vs Slug



Right In: 1687.470+/-0.302 χ^2/NDF : 4903928.8/32

Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24

Right Out: 1623.983+/-0.287 χ^2/NDF : 6777257.7/36

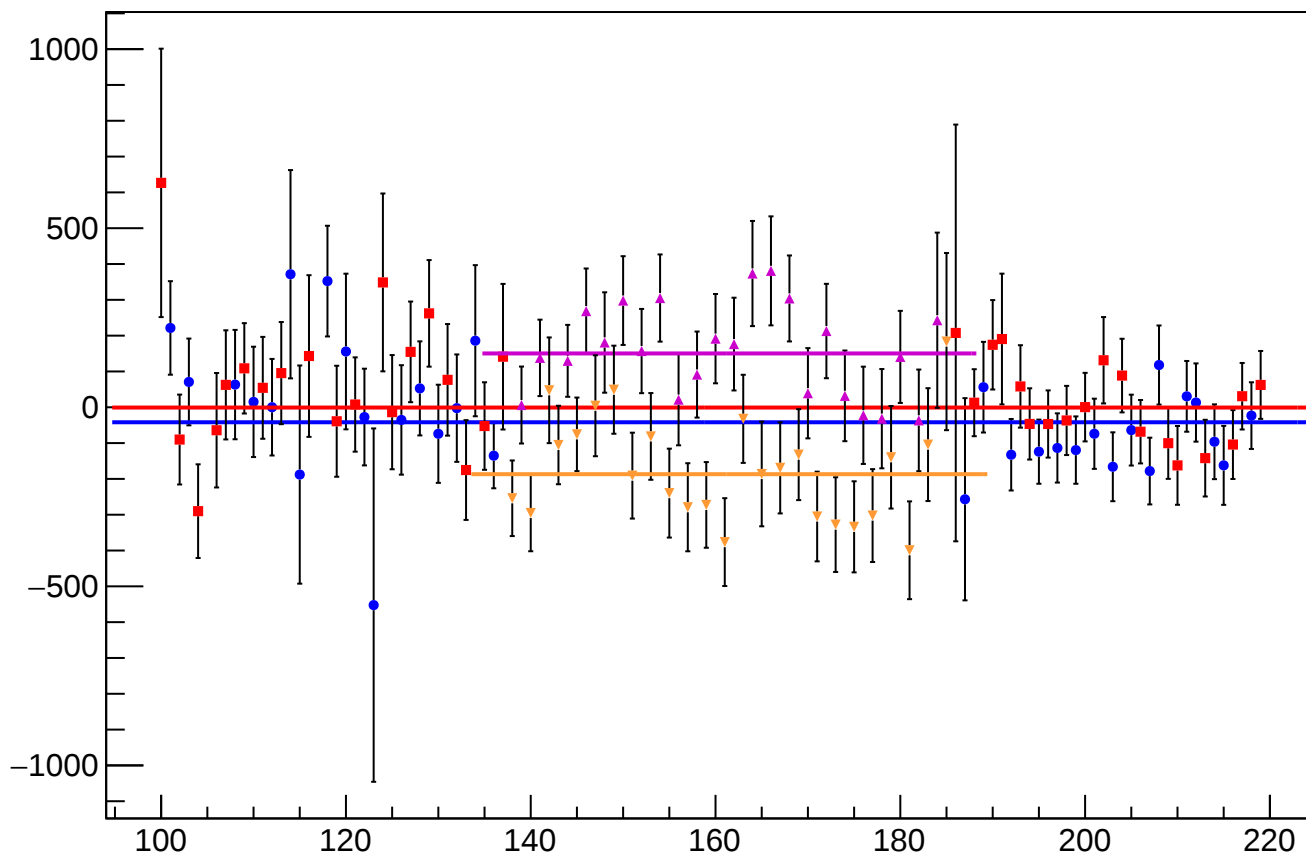
Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

+ sign 1267.471+/-0.158 χ^2/NDF : 8374653.9/57

All: 1267.438+/-0.112 χ^2/NDF : 18050340.7/100

- sign 1267.404+/-0.158 χ^2/NDF : 9675686.7/59

reg_asym_sam_15_dd_mean vs Slug



Right In: -41.875 ± 21.032 χ^2/NDF : 31.6/32

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: -0.756 ± 20.237 χ^2/NDF : 32.4/36

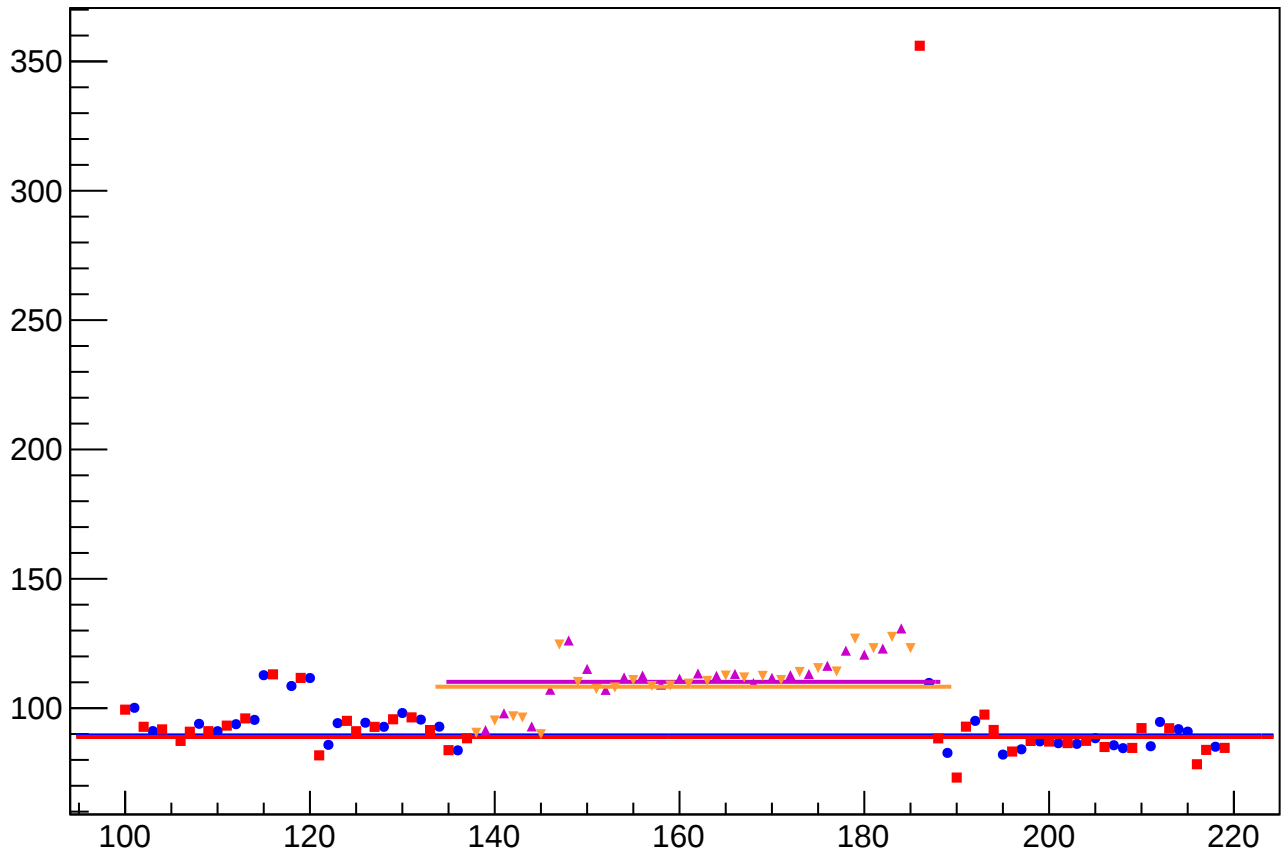
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -101.093 ± 16.176 χ^2/NDF : 77.6/57

All: -22.522 ± 11.401 χ^2/NDF : 198.1/117

- sign 55.038 ± 16.071 χ^2/NDF : 73.7/59

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.480 $\pm$ 0.015 χ^2 /NDF: 175600.1/32

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 88.856 $\pm$ 0.014 χ^2 /NDF: 623201.1/36

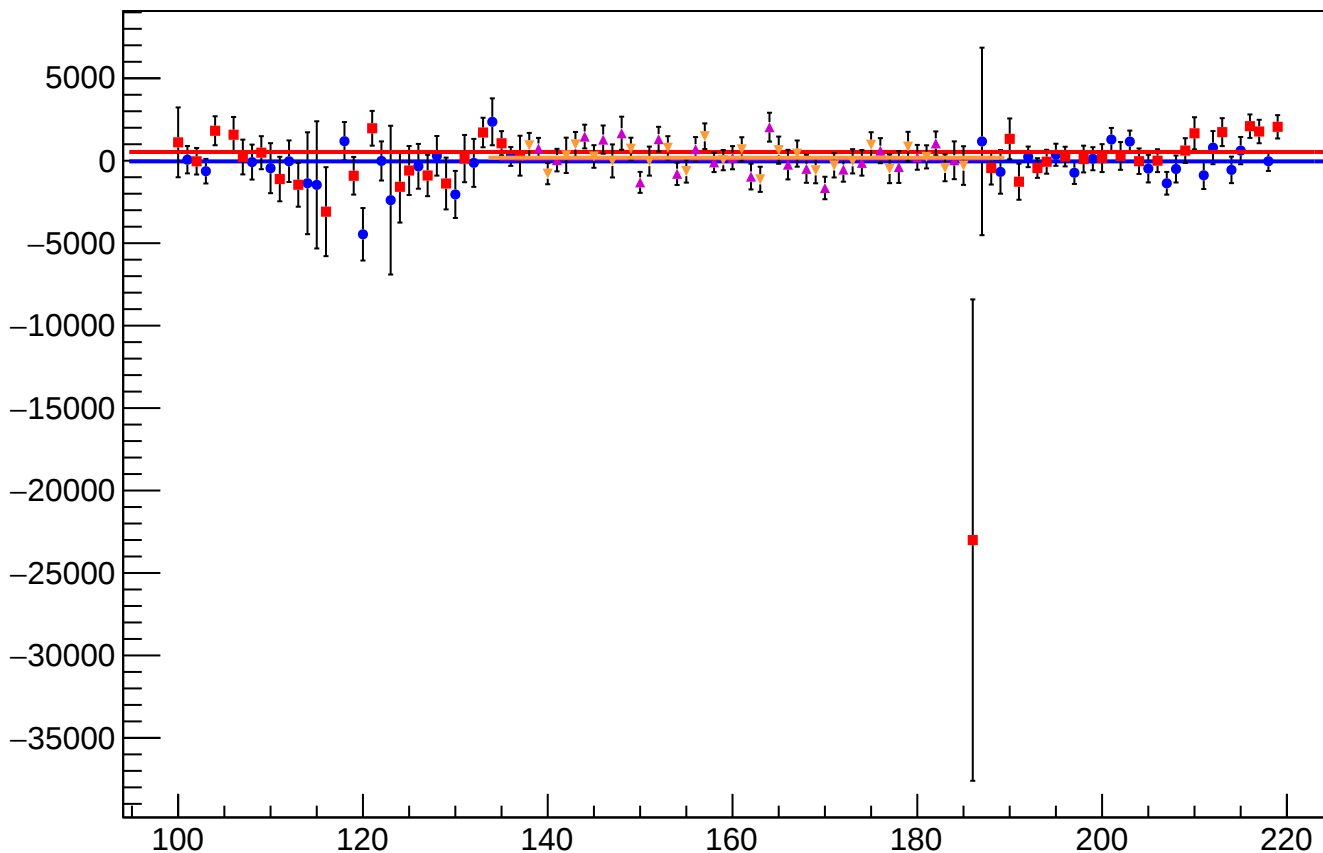
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 97.163 $\pm$ 0.011 χ^2 /NDF: 1159597.0/57

All: 96.945 $\pm$ 0.008 χ^2 /NDF: 2850073.7/117

- sign 96.729 $\pm$ 0.011 χ^2 /NDF: 1689752.7/59

asym_sam_15_dd_correction_mean vs Slug



Right In: -38.943 ± 157.674 χ^2/NDF : 31.1/32

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 530.553 ± 152.524 χ^2/NDF : 47.1/36

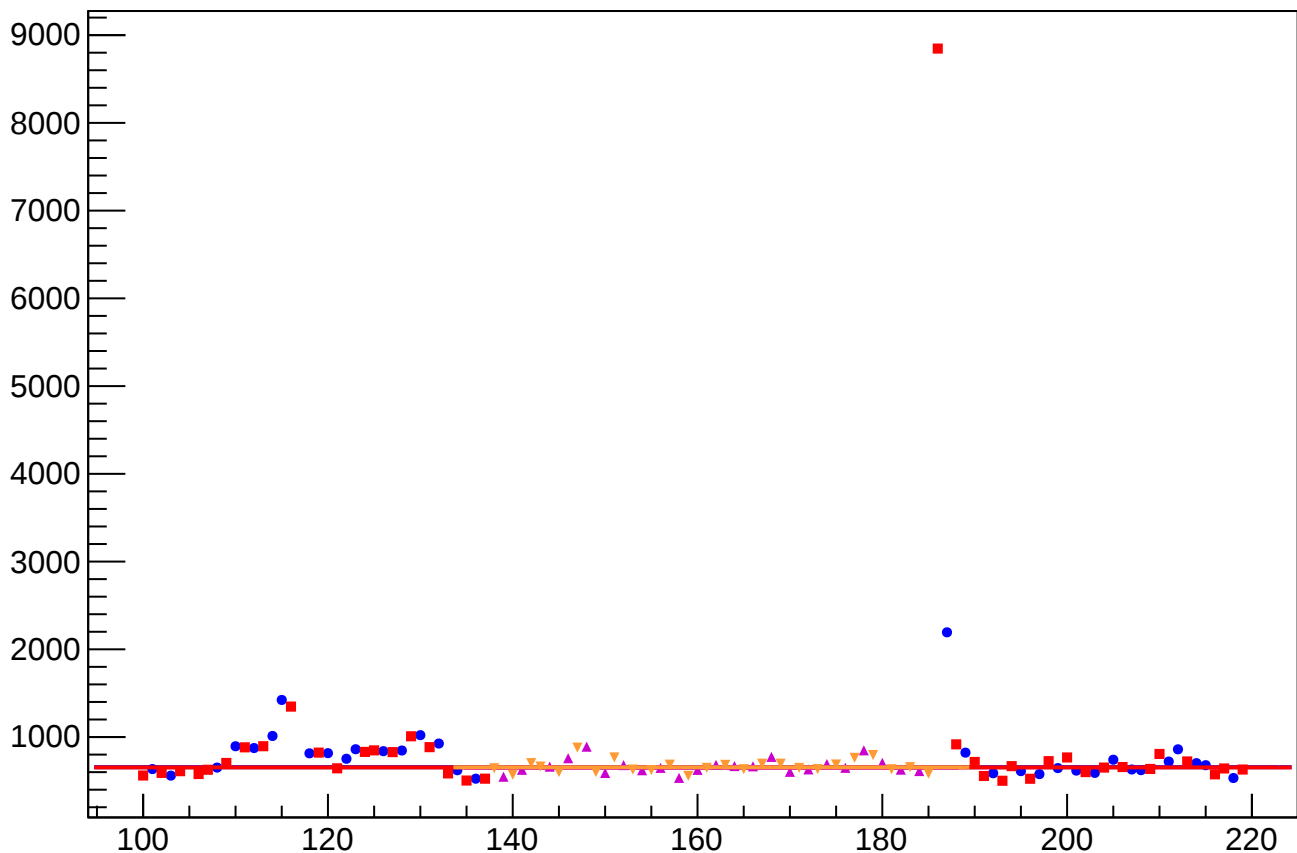
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 76.100 ± 110.054 χ^2/NDF : 50.5/57

All: 206.600 ± 77.606 χ^2/NDF : 140.0/117

- sign 335.675 ± 109.451 χ^2/NDF : 86.7/59

asym_sam_15_dd_correction_rms vs Slug



Right In: 656.657+/-0.111 χ^2/NDF : 1196480.7/32

Left Out: 655.155+/-0.109 χ^2/NDF : 367349.8/24

Right Out: 653.851+/-0.108 χ^2/NDF : 1856707.6/36

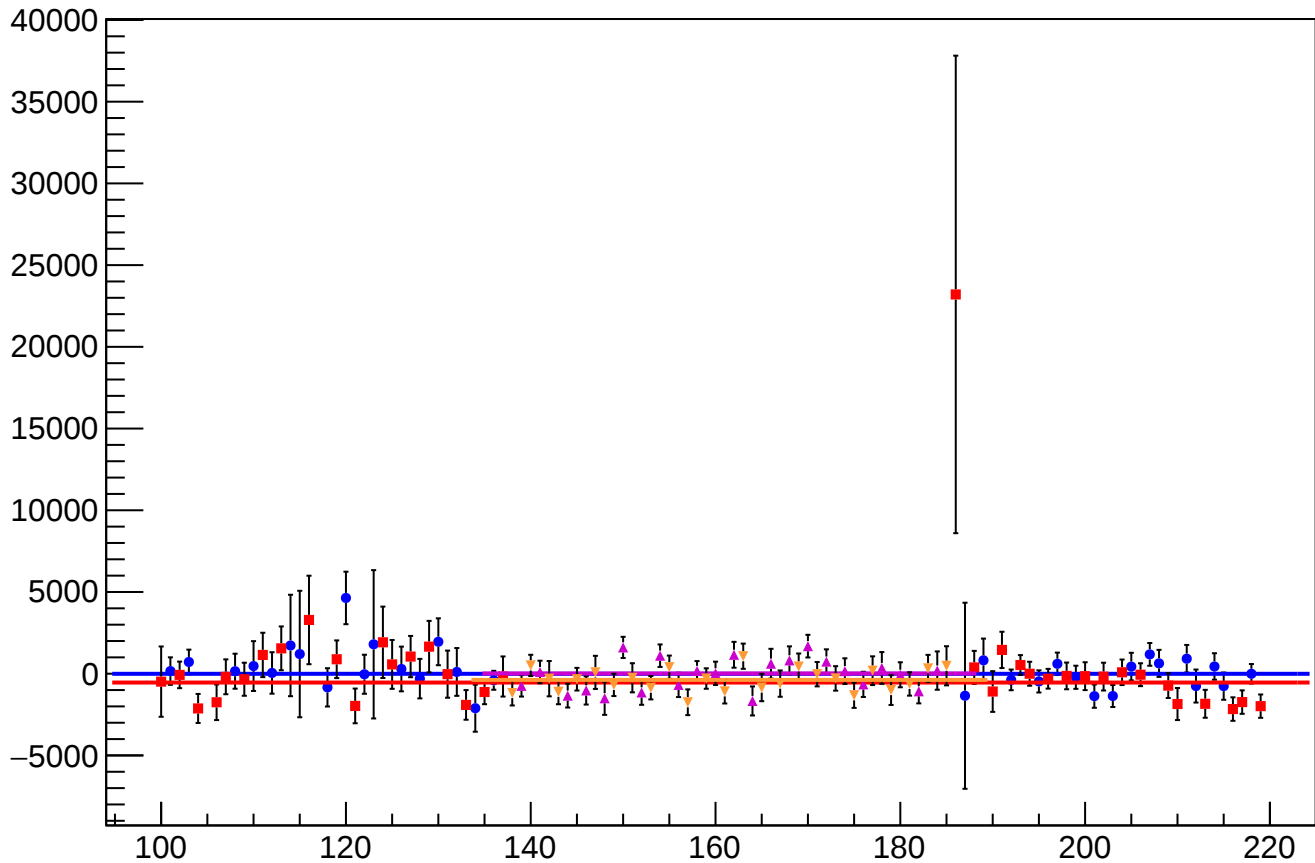
Left In: 650.883+/-0.111 χ^2/NDF : 466116.8/22

+ sign 655.887+/-0.078 χ^2/NDF : 1563923.6/57

All: 654.140+/-0.055 χ^2/NDF : 3888118.1/117

- sign 652.411+/-0.077 χ^2/NDF : 2323191.6/59

asym_sam_15_dd_mean vs Slug



Right In: -5.873 ± 159.265 χ^2/NDF : 31.6/32

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -540.174 ± 154.093 χ^2/NDF : 51.3/36

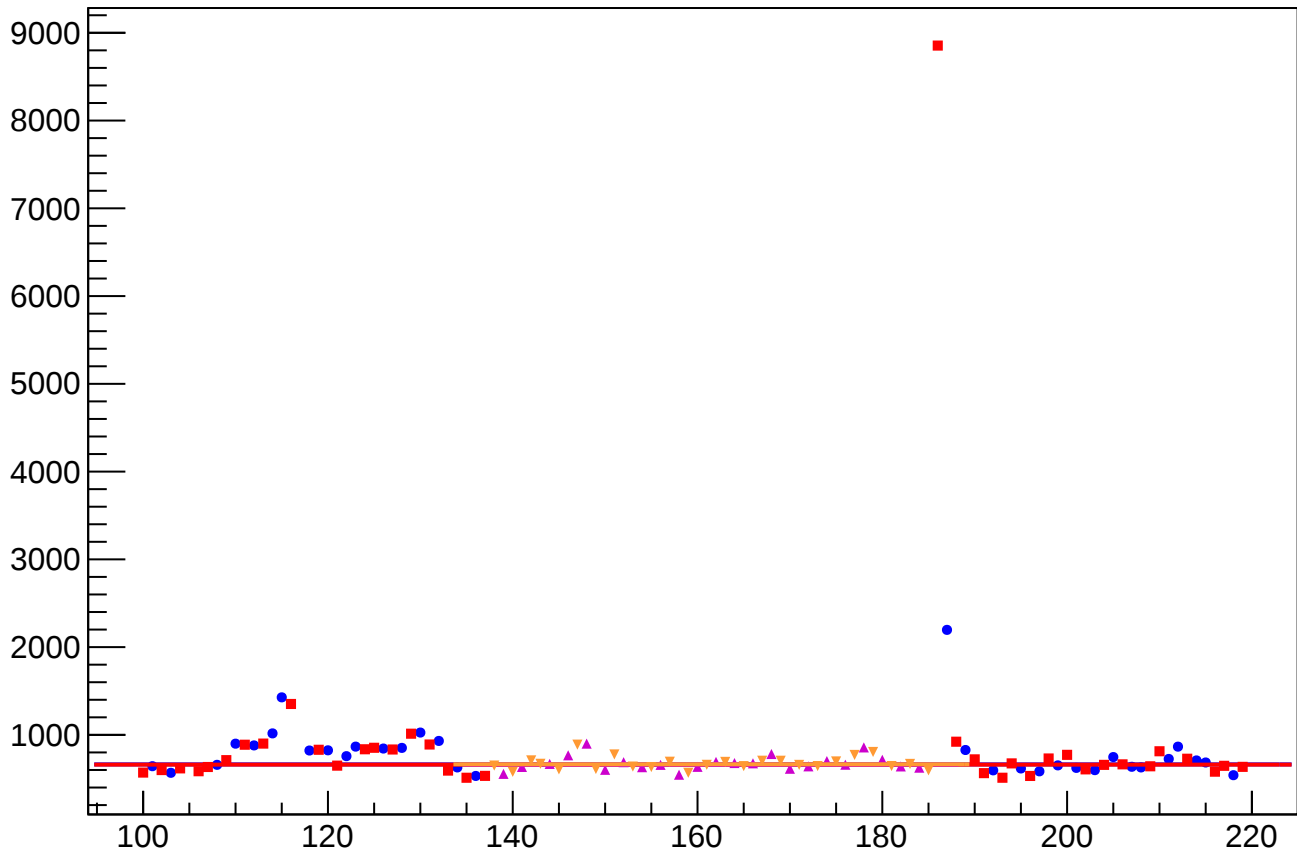
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -196.669 ± 111.406 χ^2/NDF : 53.3/57

All: -234.677 ± 78.570 χ^2/NDF : 148.3/117

- sign -272.292 ± 110.827 χ^2/NDF : 94.8/59

asym_sam_15_dd_rms vs Slug



Right In: 663.697 $\pm$ 0.113 χ^2 /NDF: 1168147.4/32

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 661.067 $\pm$ 0.109 χ^2 /NDF: 1819303.1/36

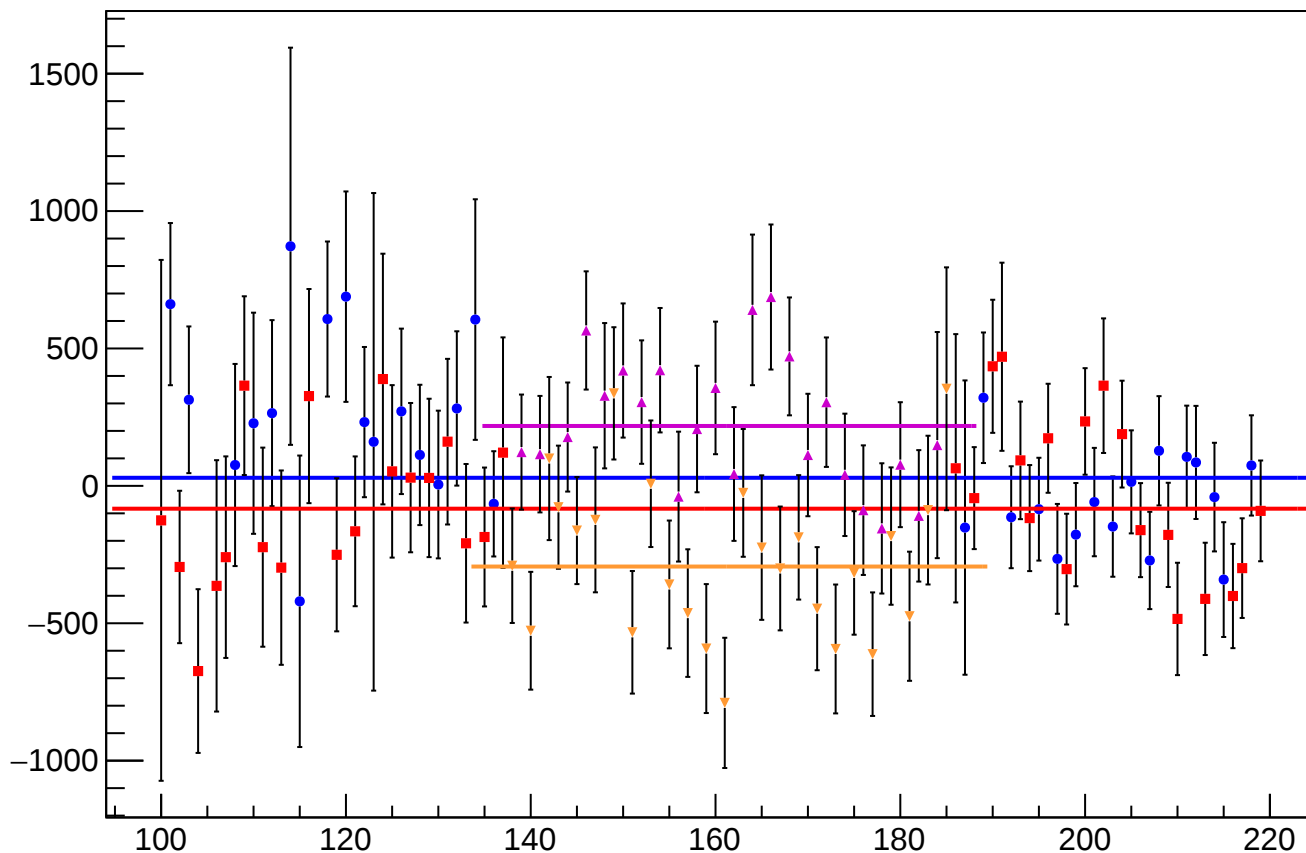
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 664.246 $\pm$ 0.079 χ^2 /NDF: 1525247.8/57

All: 662.605 $\pm$ 0.056 χ^2 /NDF: 3794595.5/117

- sign 660.982 $\pm$ 0.078 χ^2 /NDF: 2268484.4/59

reg_asym_sam_26_dd_mean vs Slug



Right In: 29.403 $\pm$ 41.625 χ^2 /NDF: 33.6/32

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: -83.074 $\pm$ 40.635 χ^2 /NDF: 41.9/36

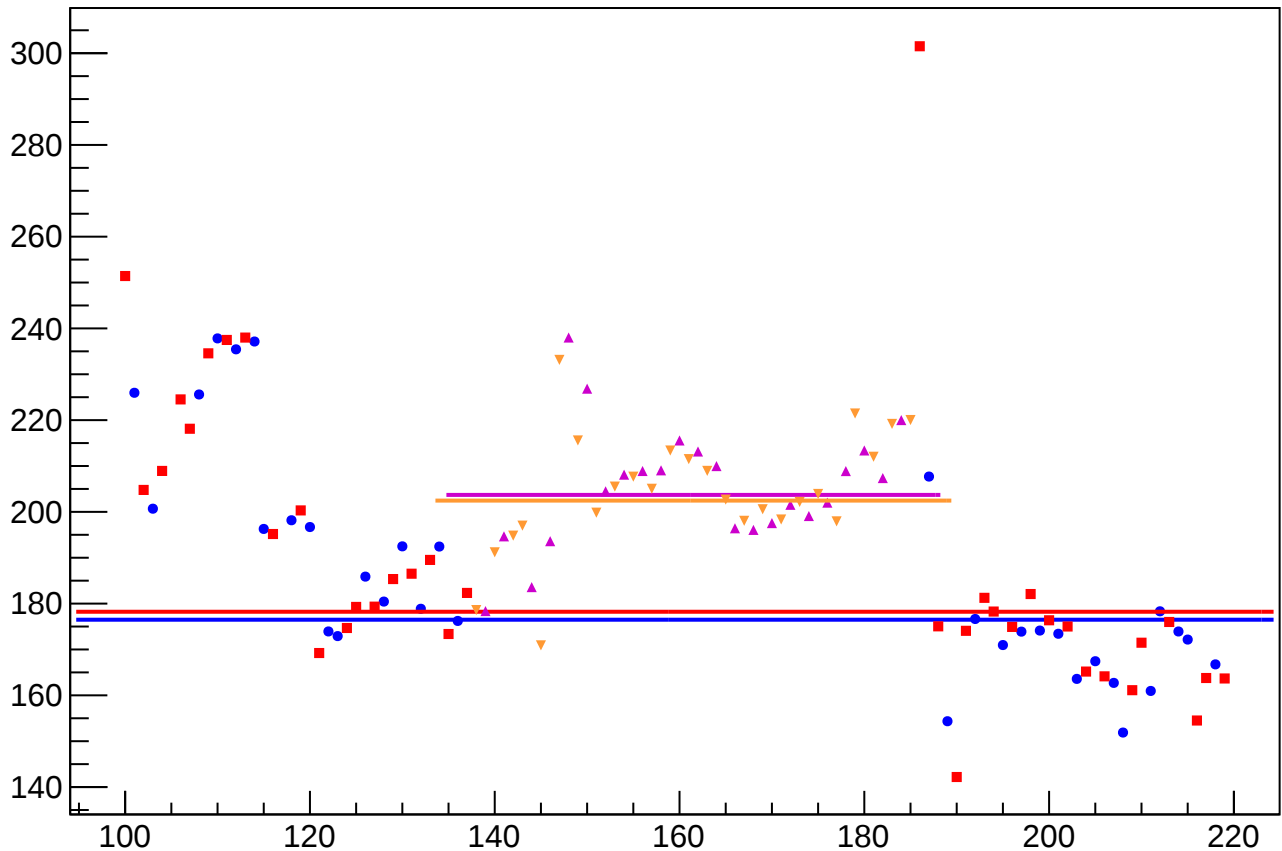
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -111.890 $\pm$ 31.220 χ^2 /NDF: 90.3/57

All: -35.908 $\pm$ 22.080 χ^2 /NDF: 187.8/117

- sign 40.131 $\pm$ 31.231 χ^2 /NDF: 85.7/59

reg_asym_sam_26_dd_rms vs Slug



Right In: 176.487 $\pm$ 0.029 χ^2 /NDF: 367530.6/32

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 178.224 $\pm$ 0.029 χ^2 /NDF: 564475.7/36

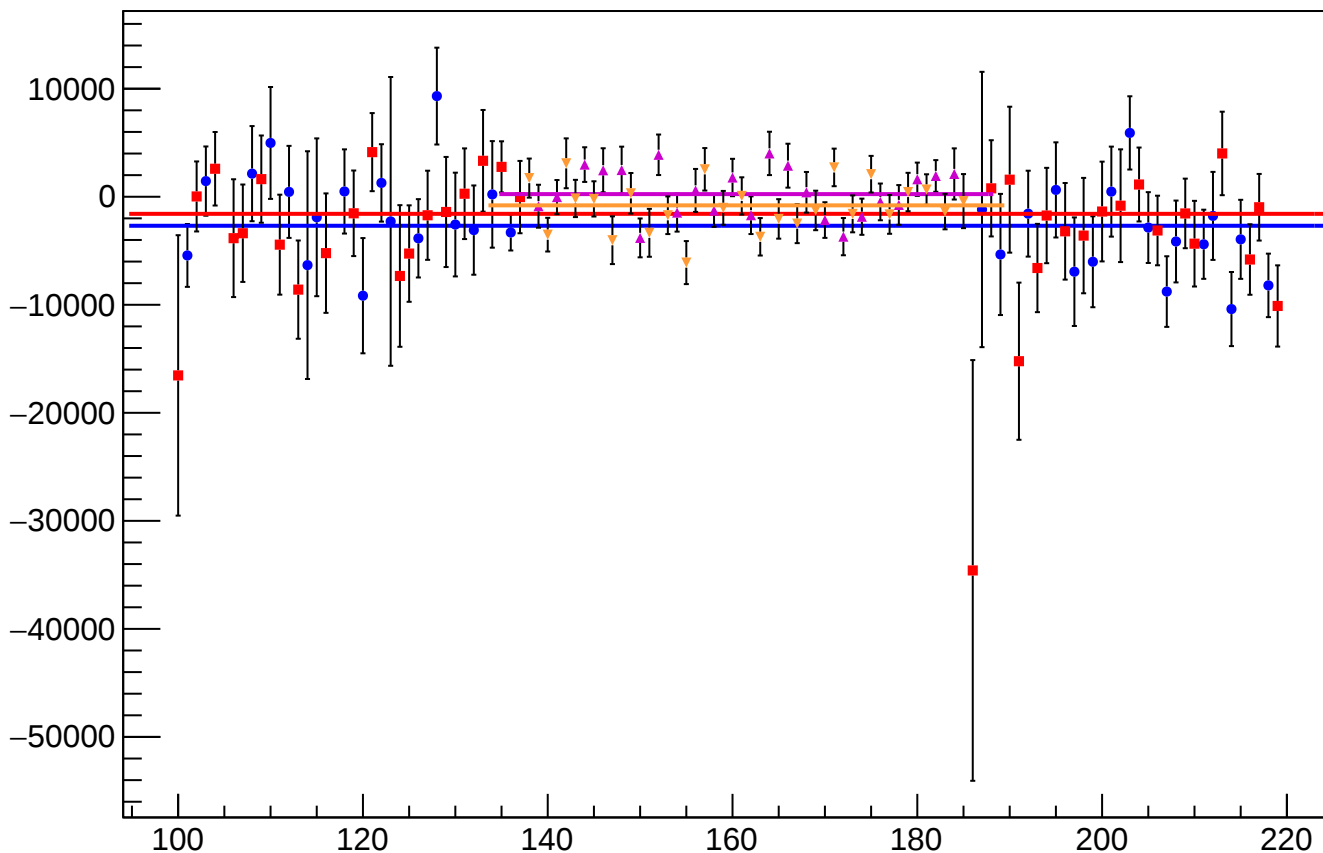
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 187.848 $\pm$ 0.022 χ^2 /NDF: 866713.4/57

All: 188.249 $\pm$ 0.016 χ^2 /NDF: 1889746.8/117

- sign 188.650 $\pm$ 0.022 χ^2 /NDF: 1022374.2/59

asym_sam_26_dd_correction_mean vs Slug



Right In: -2685.737 ± 661.679 χ^2/NDF : 39.6/32

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1581.431 ± 675.346 χ^2/NDF : 35.0/36

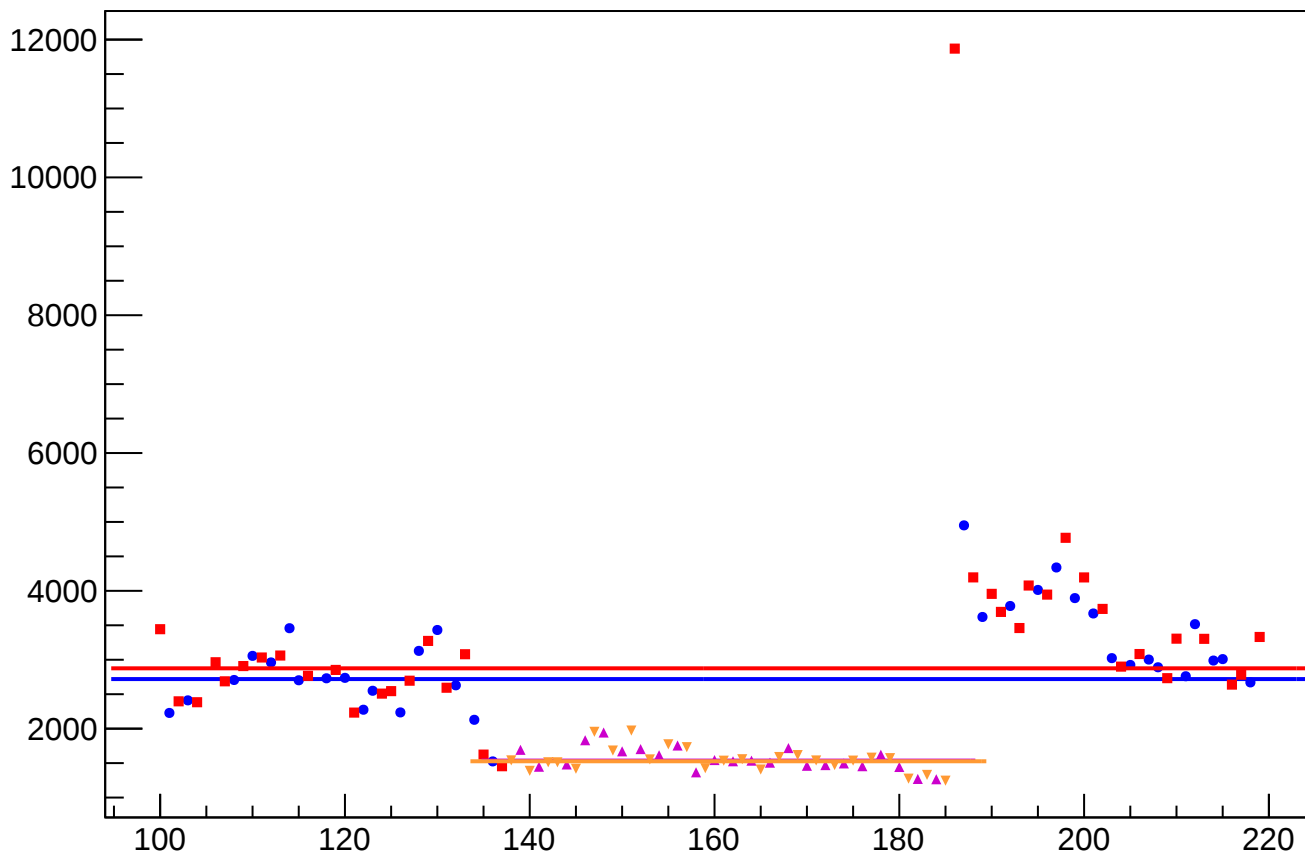
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1224.055 ± 314.767 χ^2/NDF : 81.7/57

All: -715.949 ± 225.898 χ^2/NDF : 163.4/117

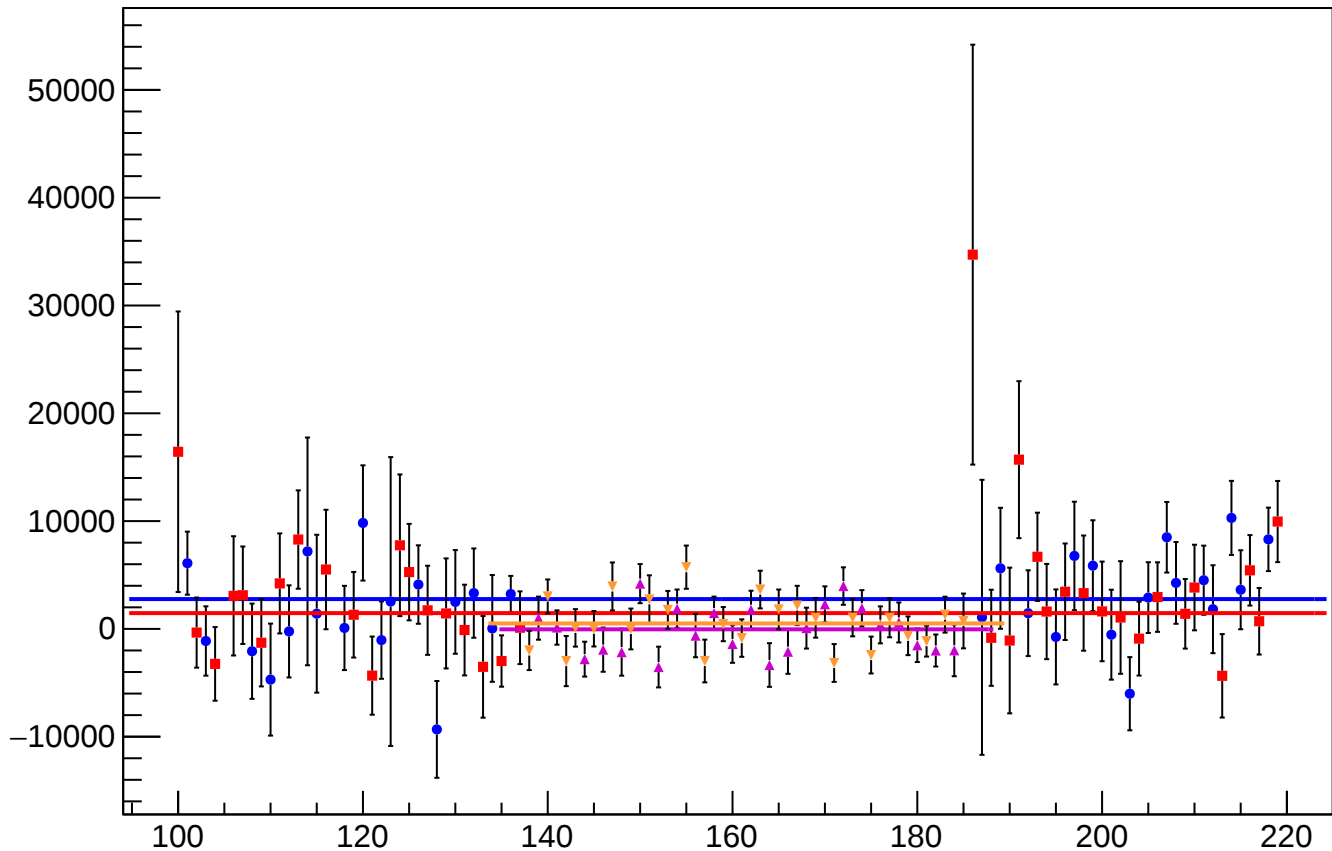
- sign -176.307 ± 324.388 χ^2/NDF : 76.4/59

asym_sam_26_dd_correction_rms vs Slug



Right In: 2719.626+/-0.468	χ^2/NDF : 2327265.9/32	+ sign 1796.667+/-0.223	χ^2/NDF : 7751684.4/57
Left Out: 1526.712+/-0.253	χ^2/NDF : 394892.7/24	All: 1820.332+/-0.160	χ^2/NDF : 16856490.9/1
Right Out: 2875.539+/-0.478	χ^2/NDF : 2682924.0/36	- sign 1845.466+/-0.229	χ^2/NDF : 9081495.4/59
Left In: 1536.538+/-0.262	χ^2/NDF : 350373.3/22		

asym_sam_26_dd_mean vs Slug



Right In: 2765.655 $\pm$ 663.673 χ^2 /NDF: 39.3/32

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 1464.109 $\pm$ 677.228 χ^2 /NDF: 35.5/36

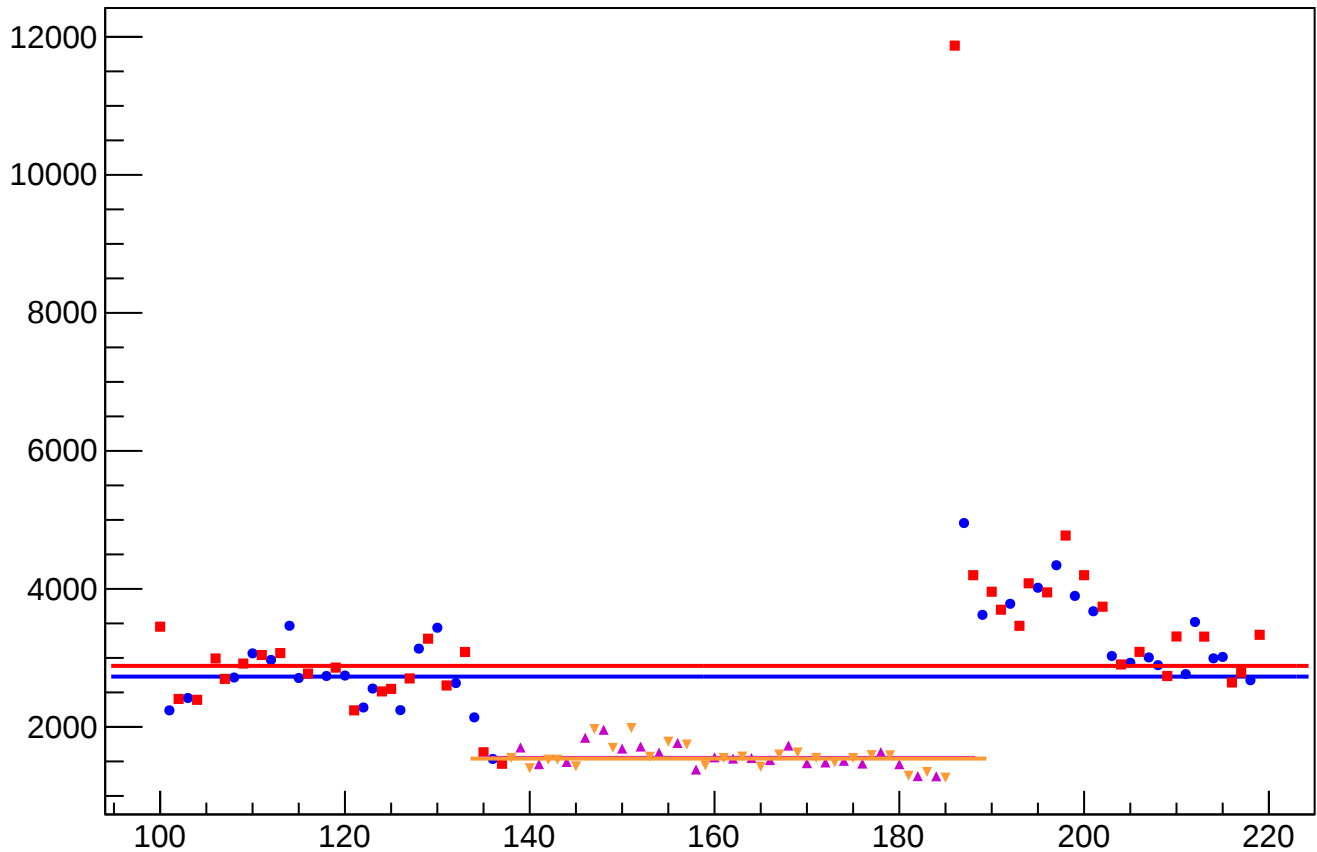
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 1023.833 $\pm$ 317.238 χ^2 /NDF: 83.6/57

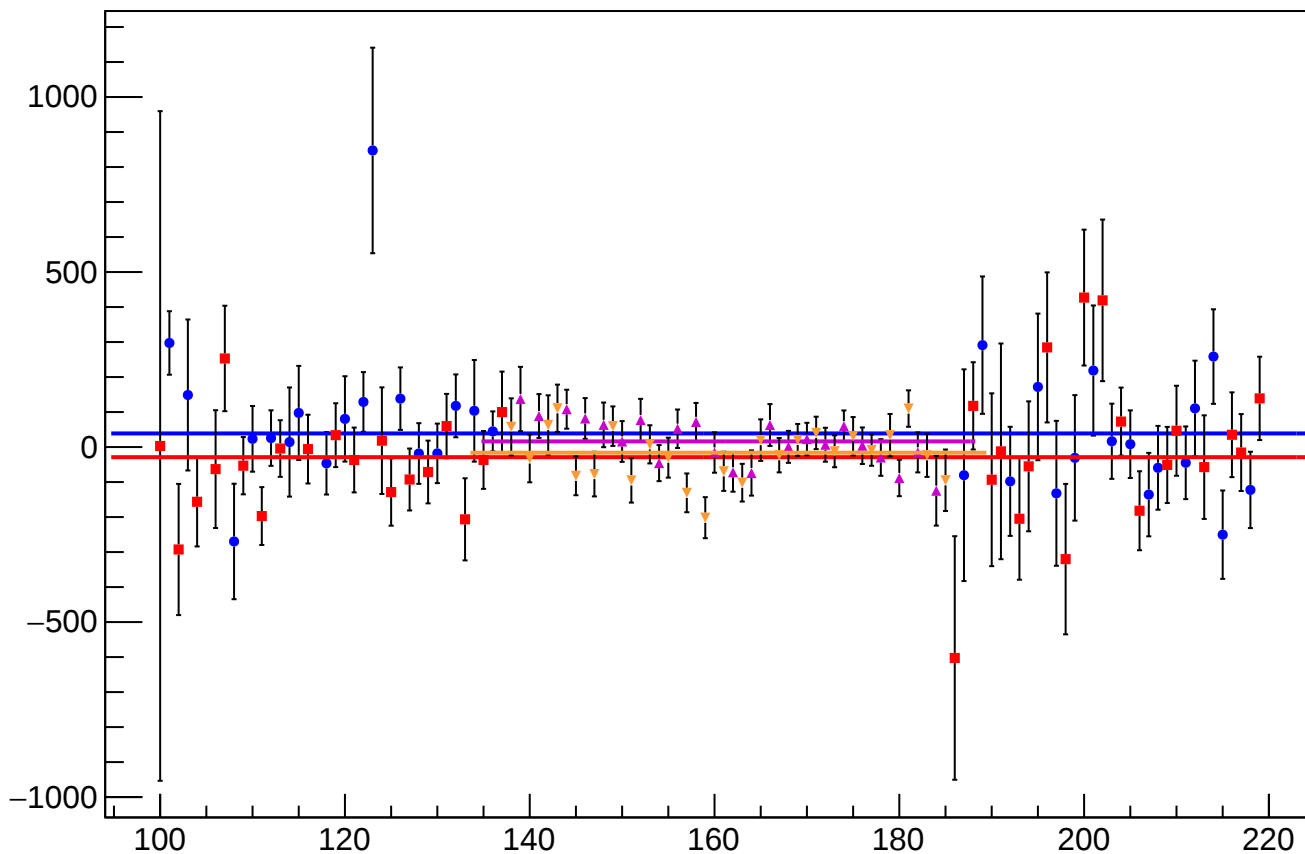
All: 677.809 $\pm$ 227.659 χ^2 /NDF: 158.9/117

- sign 310.394 $\pm$ 326.897 χ^2 /NDF: 72.8/59

asym_sam_26_dd_rms vs Slug



reg_asym_sam_37_dd_mean vs Slug



Right In: 38.888 ± 19.488 χ^2/NDF : 43.7/32

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -28.916 ± 19.527 χ^2/NDF : 41.9/36

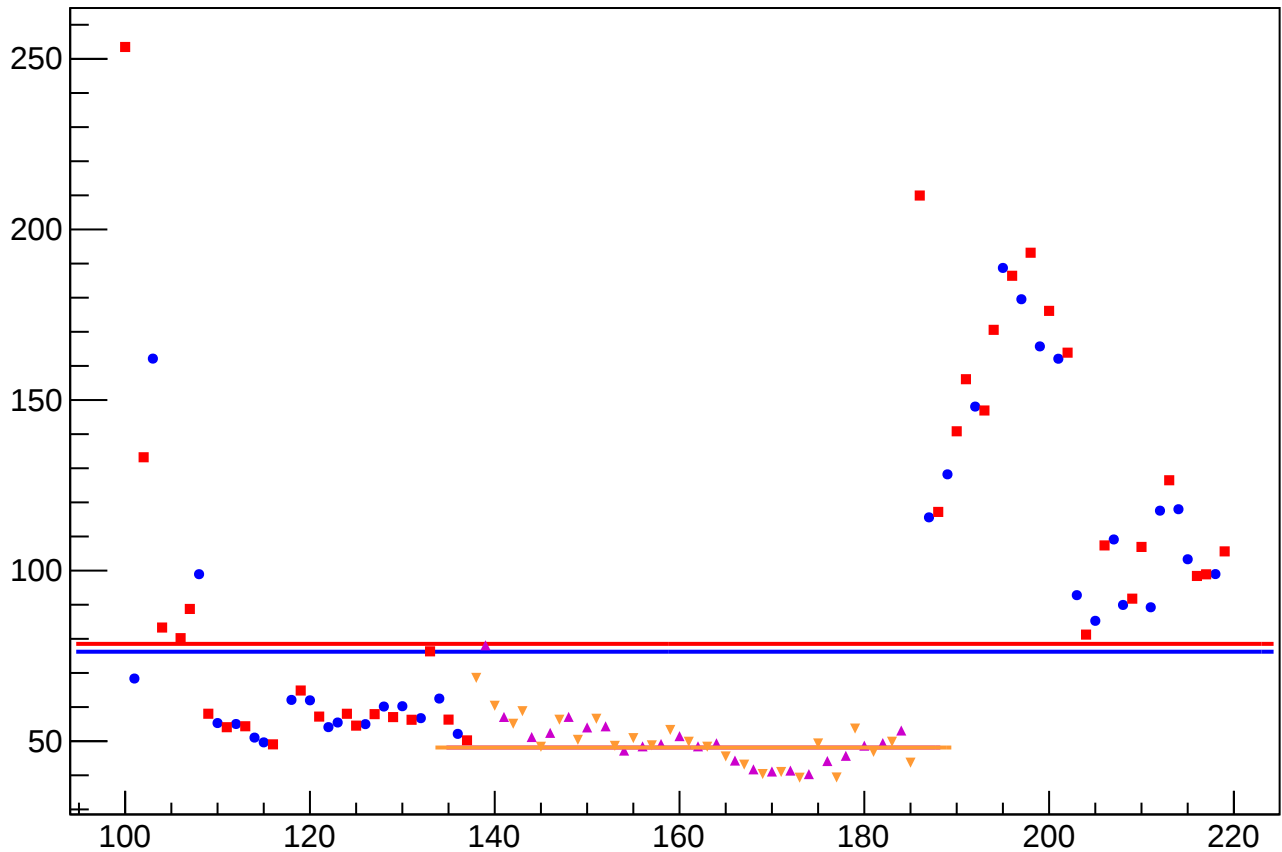
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -2.153 ± 9.801 χ^2/NDF : 89.3/57

All: 1.022 ± 7.001 χ^2/NDF : 160.6/117

- sign 4.329 ± 10.004 χ^2/NDF : 71.1/59

reg_asym_sam_37_dd_rms vs Slug



Right In: 76.225 $\pm$ 0.014 χ^2 /NDF: 5115661.2/32

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 78.527 $\pm$ 0.014 χ^2 /NDF: 5909298.8/36

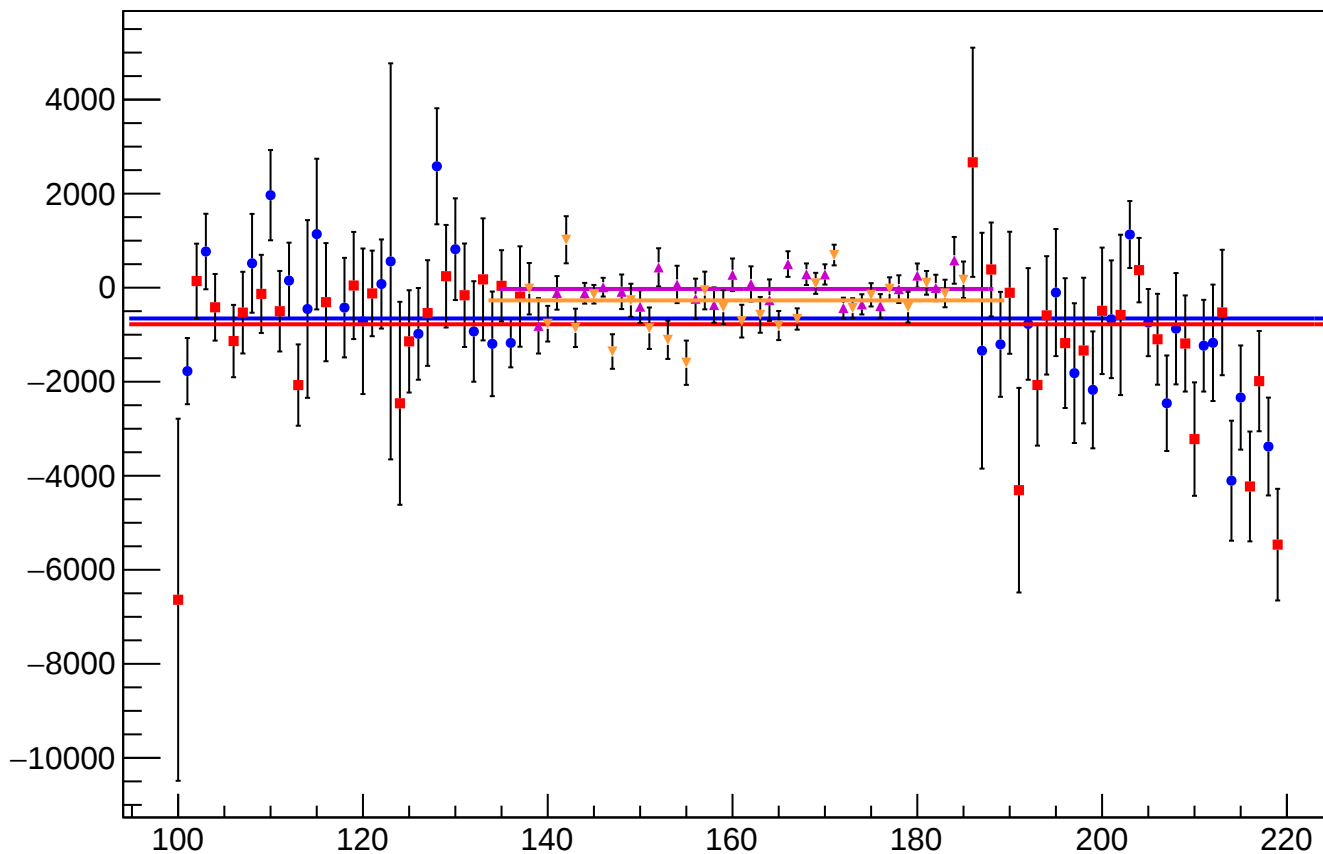
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 55.244 $\pm$ 0.007 χ^2 /NDF: 8873782.1/57

All: 55.671 $\pm$ 0.005 χ^2 /NDF: 18937918.8/117

- sign 56.116 $\pm$ 0.007 χ^2 /NDF: 10056400.7/59

asym_sam_37_dd_correction_mean vs Slug



Right In: -654.844 ± 177.292 $\chi^2/\text{NDF}: 56.6/32$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -777.903 ± 174.289 $\chi^2/\text{NDF}: 52.7/36$

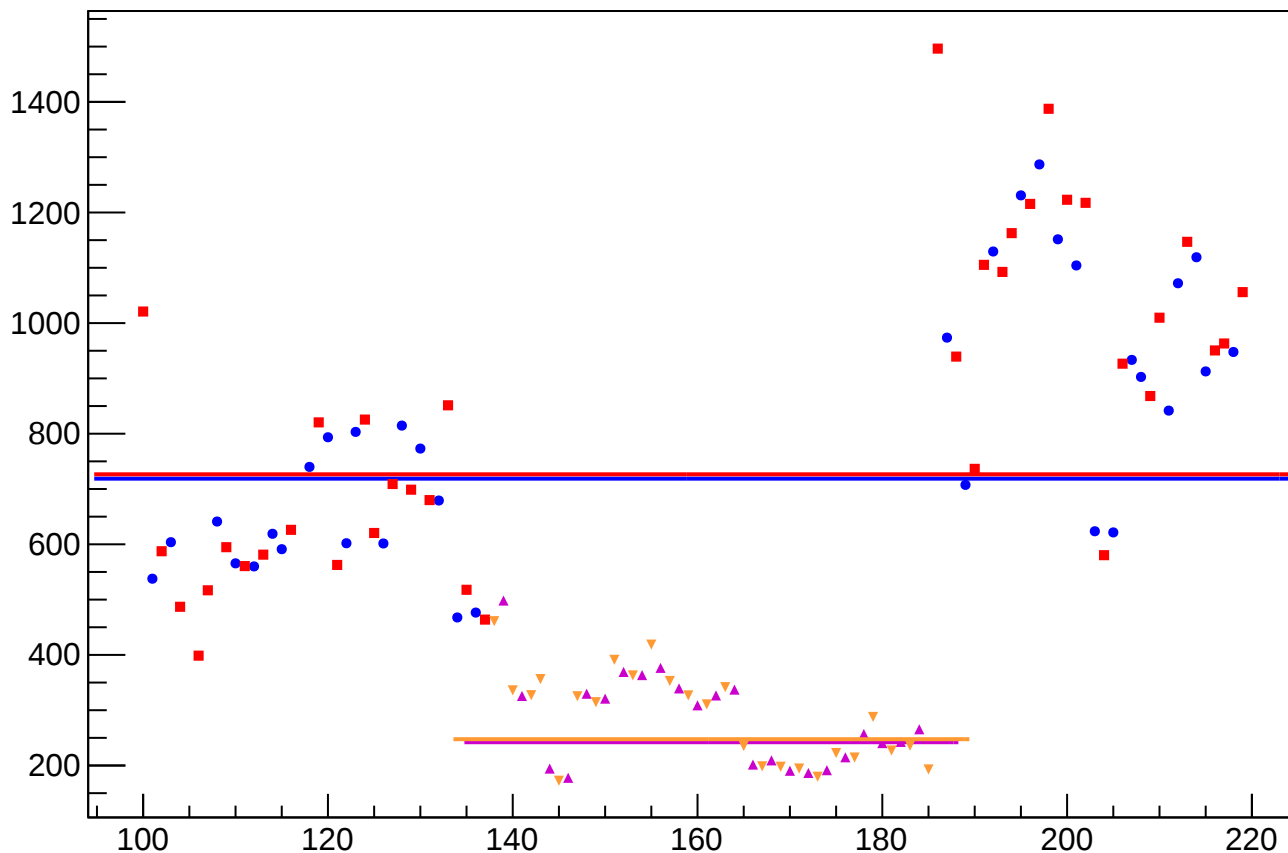
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -309.949 ± 56.984 $\chi^2/\text{NDF}: 130.9/57$

All: -209.085 ± 40.333 $\chi^2/\text{NDF}: 231.5/117$

- sign -107.826 ± 57.096 $\chi^2/\text{NDF}: 94.3/59$

asym_sam_37_dd_correction_rms vs Slug



Right In: 718.725 $\pm$ 0.125 χ^2 /NDF: 2983759.0/32

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 726.586 $\pm$ 0.123 χ^2 /NDF: 4030575.7/36

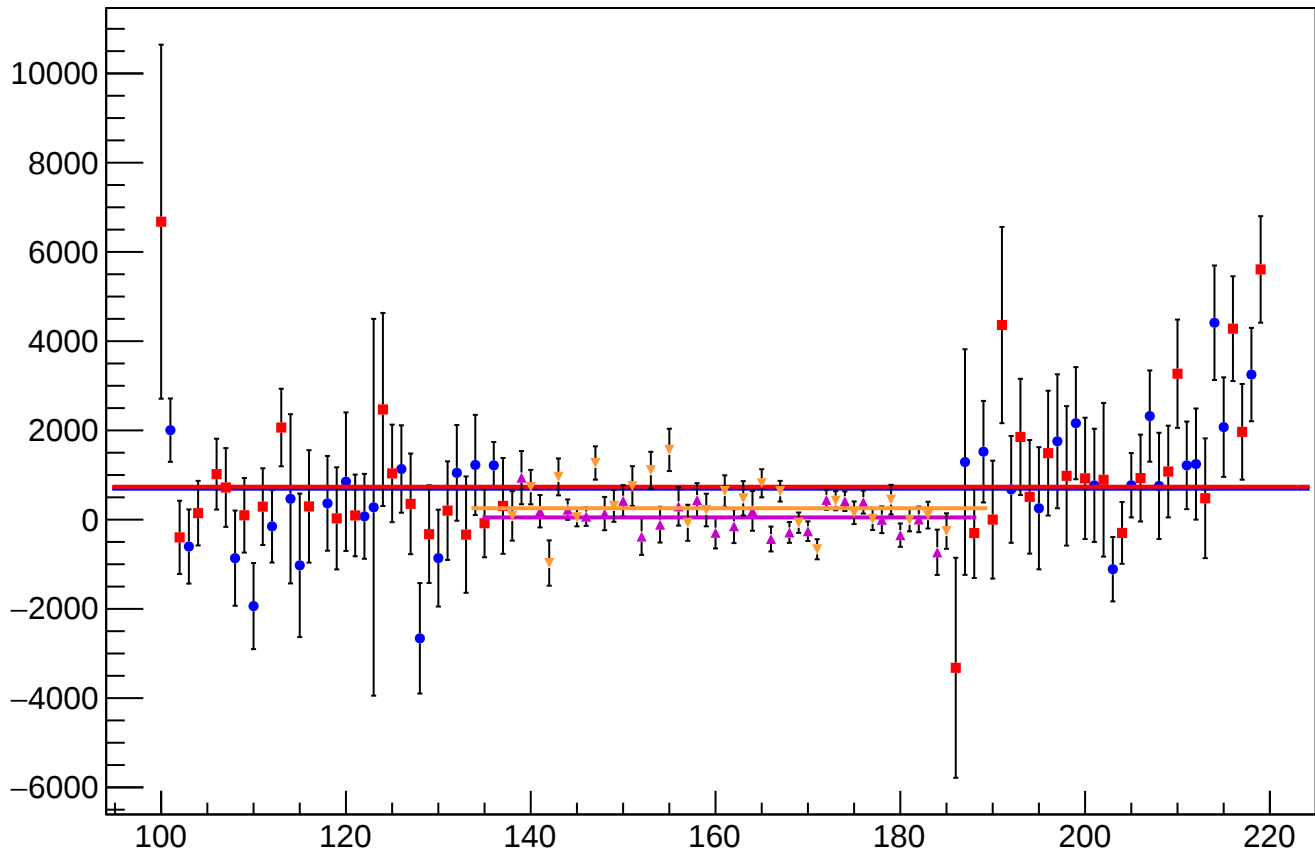
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 296.244 $\pm$ 0.040 χ^2 /NDF: 18430238.8/57

All: 295.178 $\pm$ 0.029 χ^2 /NDF: 38723186.9/1

- sign 294.108 $\pm$ 0.040 χ^2 /NDF: 20291545.1/59

asym_sam_37_dd_mean vs Slug



Right In: 693.689 ± 178.859 χ^2/NDF : 56.9/32

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 738.155 ± 176.107 χ^2/NDF : 54.9/36

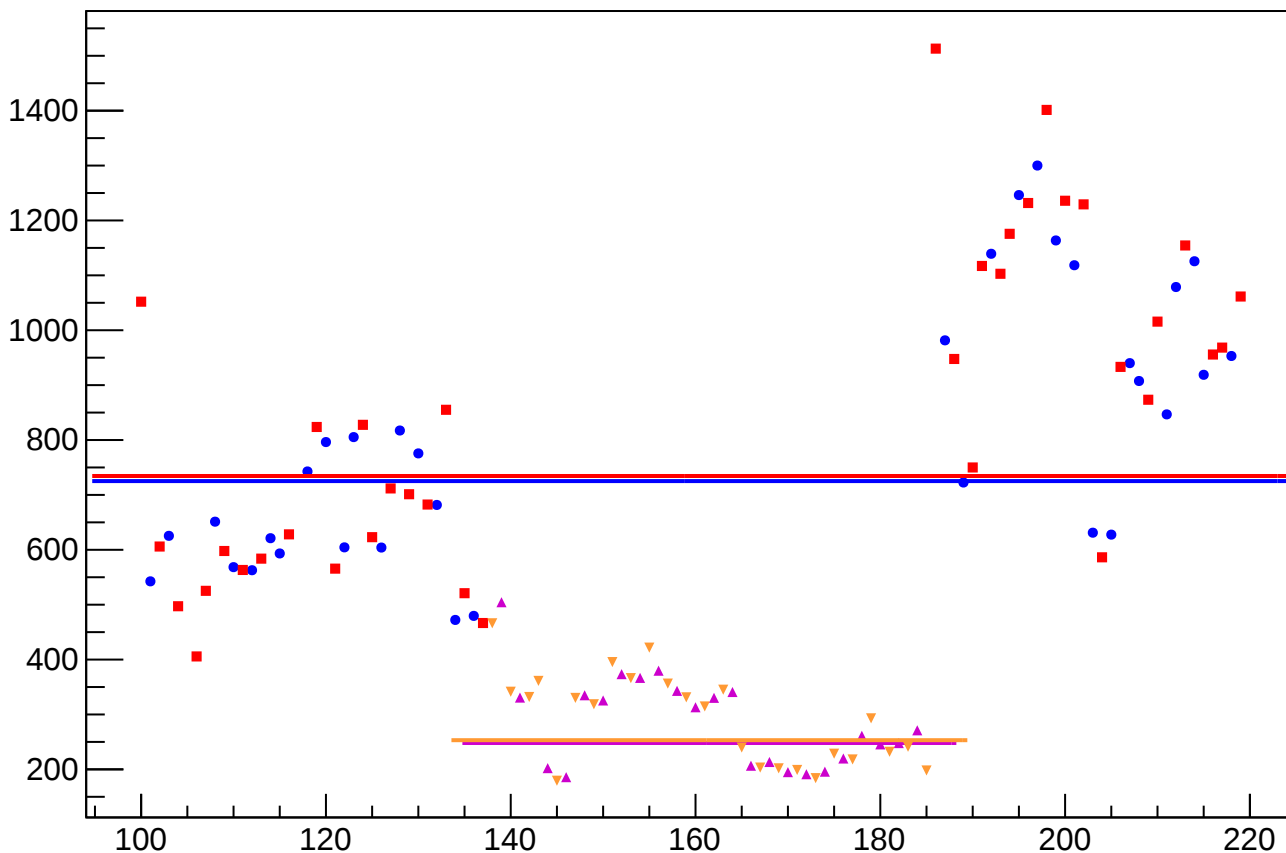
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 302.163 ± 58.089 χ^2/NDF : 125.8/57

All: 214.030 ± 41.149 χ^2/NDF : 226.5/117

- sign 125.262 ± 58.298 χ^2/NDF : 96.0/59

asym_sam_37_dd_rms vs Slug



Right In: 725.186 $\pm$ 0.126 χ^2 /NDF: 2978397.5/32

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 734.462 $\pm$ 0.125 χ^2 /NDF: 3984694.5/36

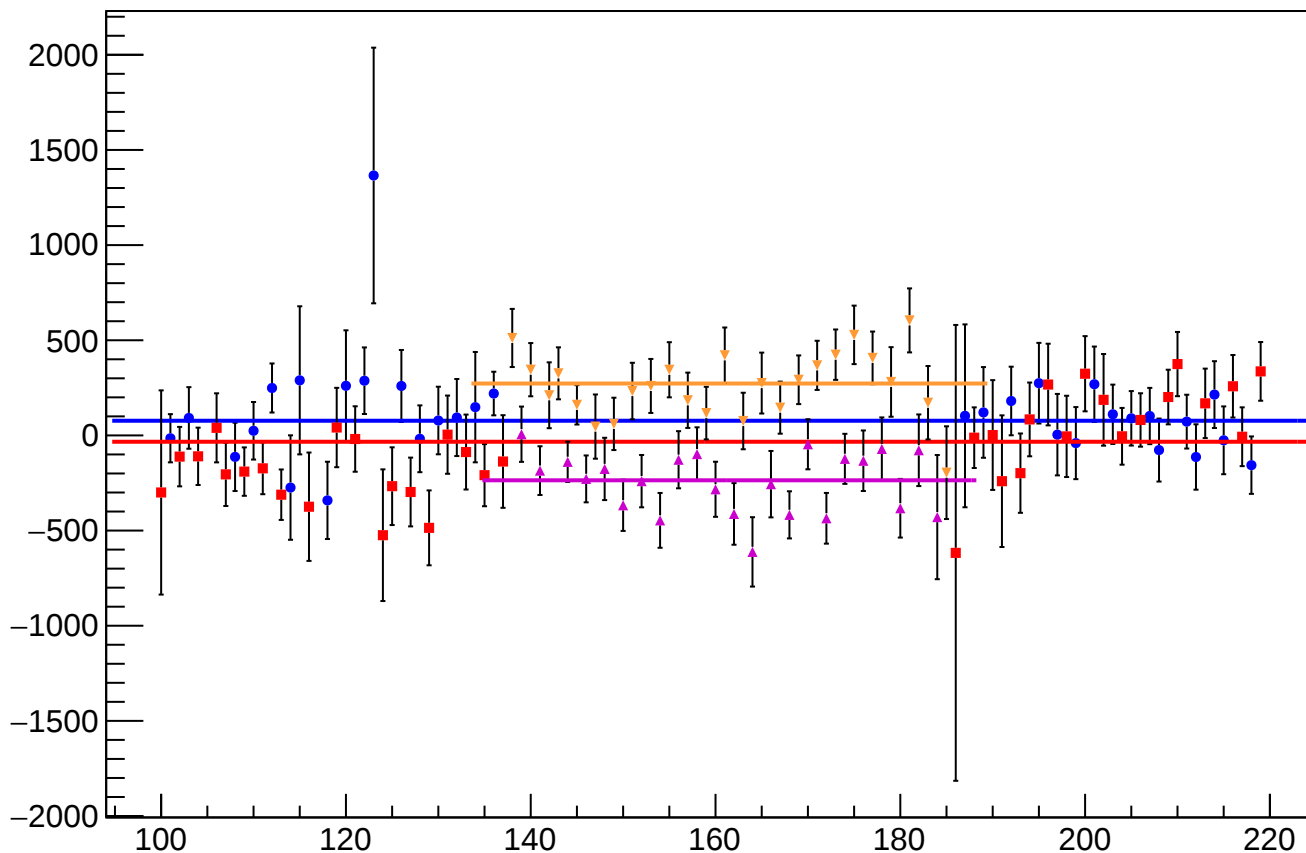
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 302.928 $\pm$ 0.041 χ^2 /NDF: 18105957.3/57

All: 302.152 $\pm$ 0.029 χ^2 /NDF: 38019240.4/11

- sign 301.370 $\pm$ 0.041 χ^2 /NDF: 19912566.3/59

reg_asym_sam_48_dd_mean vs Slug



Right In: 77.080 ± 30.929 $\chi^2/\text{NDF}: 26.3/32$

Left Out: 272.684 ± 29.221 $\chi^2/\text{NDF}: 27.4/24$

Right Out: -33.279 ± 29.924 $\chi^2/\text{NDF}: 49.8/36$

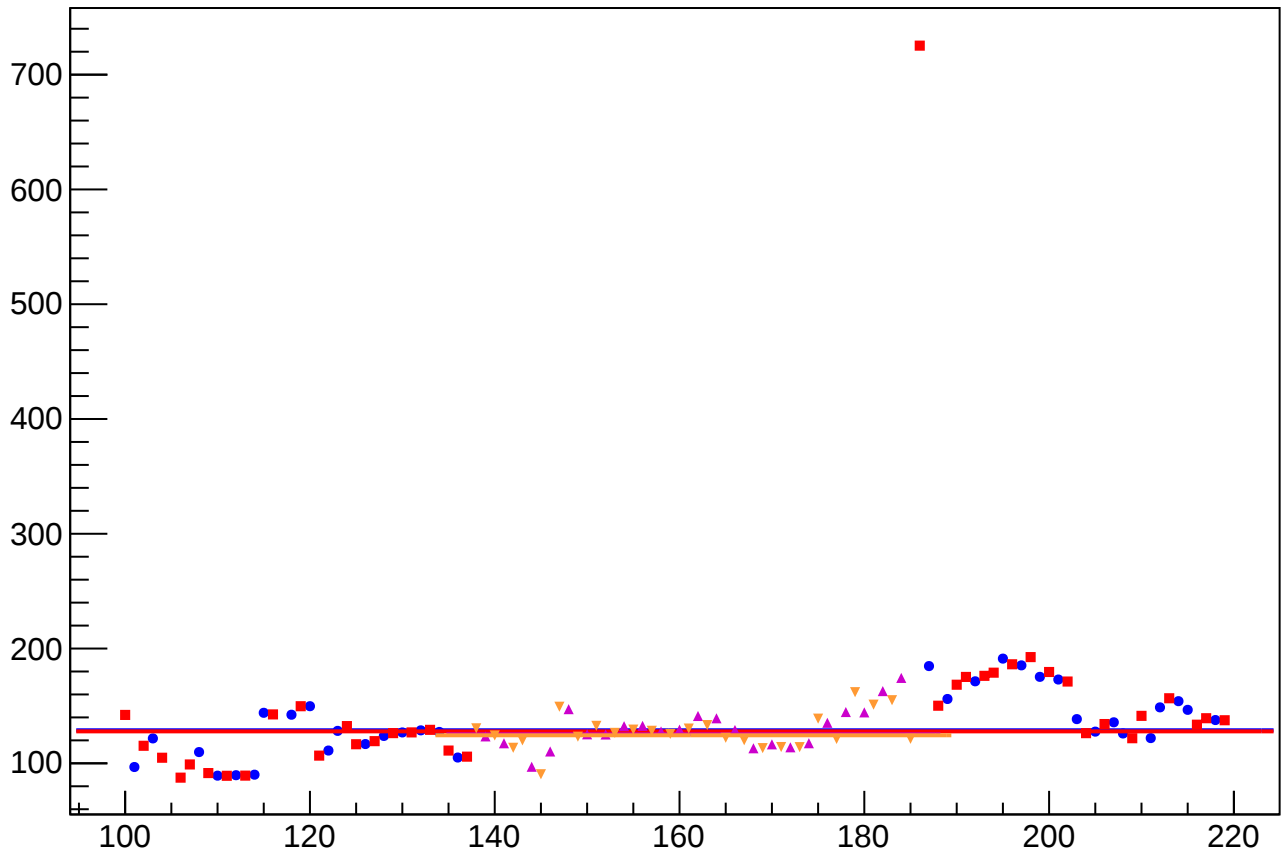
Left In: -235.801 ± 30.232 $\chi^2/\text{NDF}: 24.6/22$

+ sign 180.431 ± 21.241 $\chi^2/\text{NDF}: 74.9/57$

All: 23.661 ± 15.029 $\chi^2/\text{NDF}: 281.1/117$

- sign -133.503 ± 21.267 $\chi^2/\text{NDF}: 97.1/59$

reg_asym_sam_48_dd_rms vs Slug



Right In: 128.805+/-0.022 χ^2/NDF : 1466295.7/32

Left Out: 124.429+/-0.021 χ^2/NDF : 539731.8/24

Right Out: 127.843+/-0.021 χ^2/NDF : 2307916.8/36

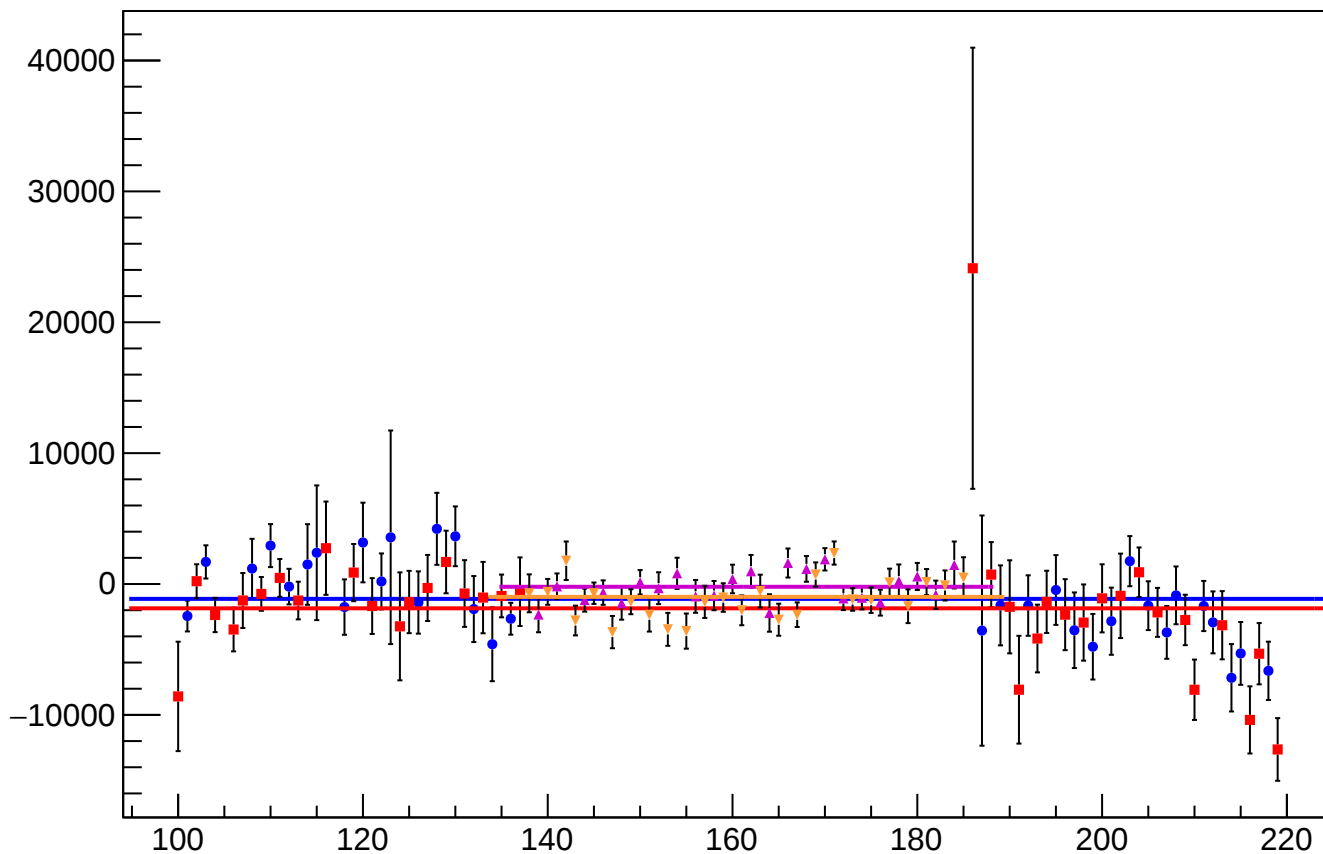
Left In: 125.205+/-0.021 χ^2/NDF : 501388.2/22

+ sign 126.493+/-0.015 χ^2/NDF : 2027181.1/57

All: 126.515+/-0.011 χ^2/NDF : 4844180.6/117

- sign 126.537+/-0.015 χ^2/NDF : 2816995.0/59

asym_sam_48_dd_correction_mean vs Slug



Right In: -1133.881 ± 365.699 χ^2/NDF : 51.9/32

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1856.708 ± 352.031 χ^2/NDF : 66.9/36

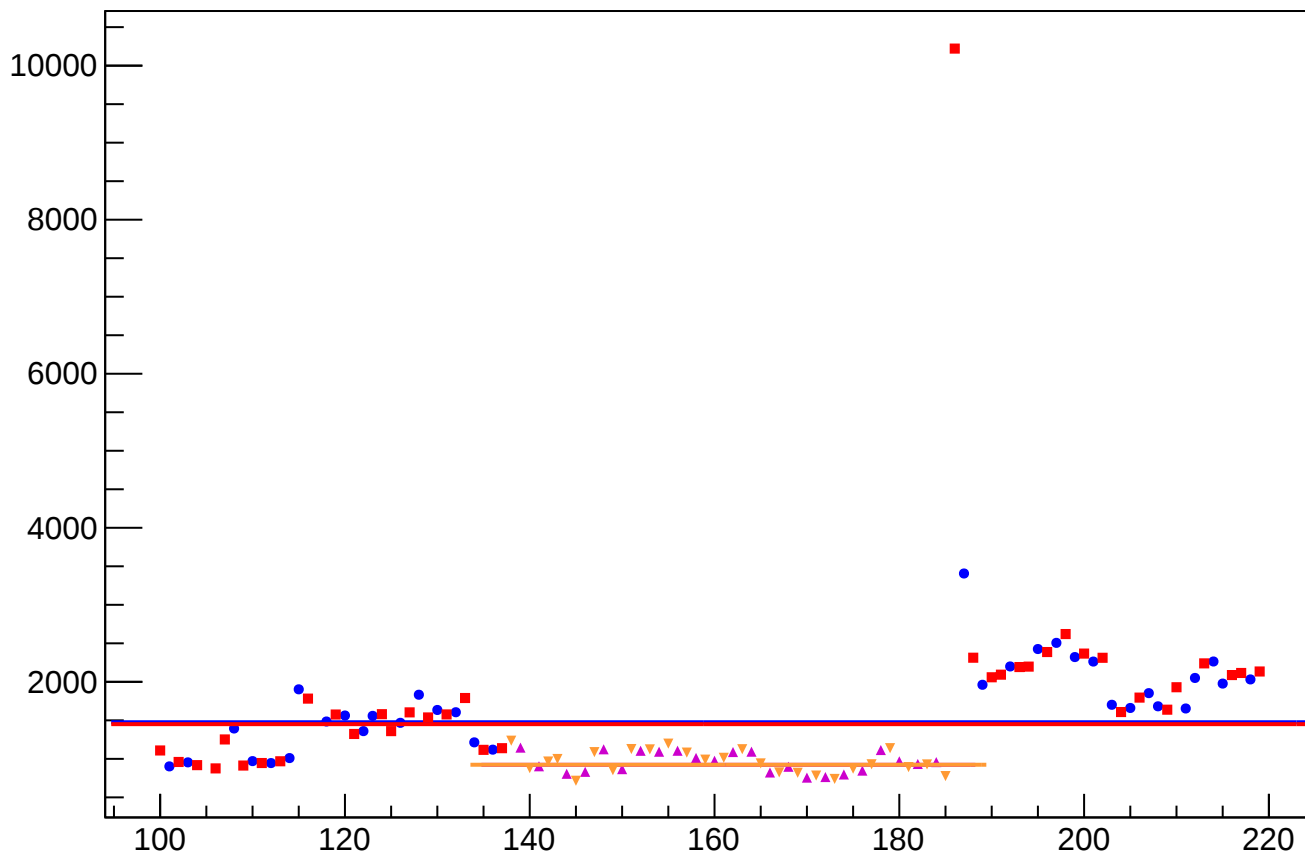
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -1022.446 ± 187.267 χ^2/NDF : 99.2/57

All: -854.126 ± 132.873 χ^2/NDF : 209.0/117

- sign -683.471 ± 188.562 χ^2/NDF : 108.2/59

asym_sam_48_dd_correction_rms vs Slug



Right In: 1475.241 $\pm$ 0.259 χ^2 /NDF: 3548411.2/32

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

Right Out: 1450.559 $\pm$ 0.249 χ^2 /NDF: 4914742.8/36

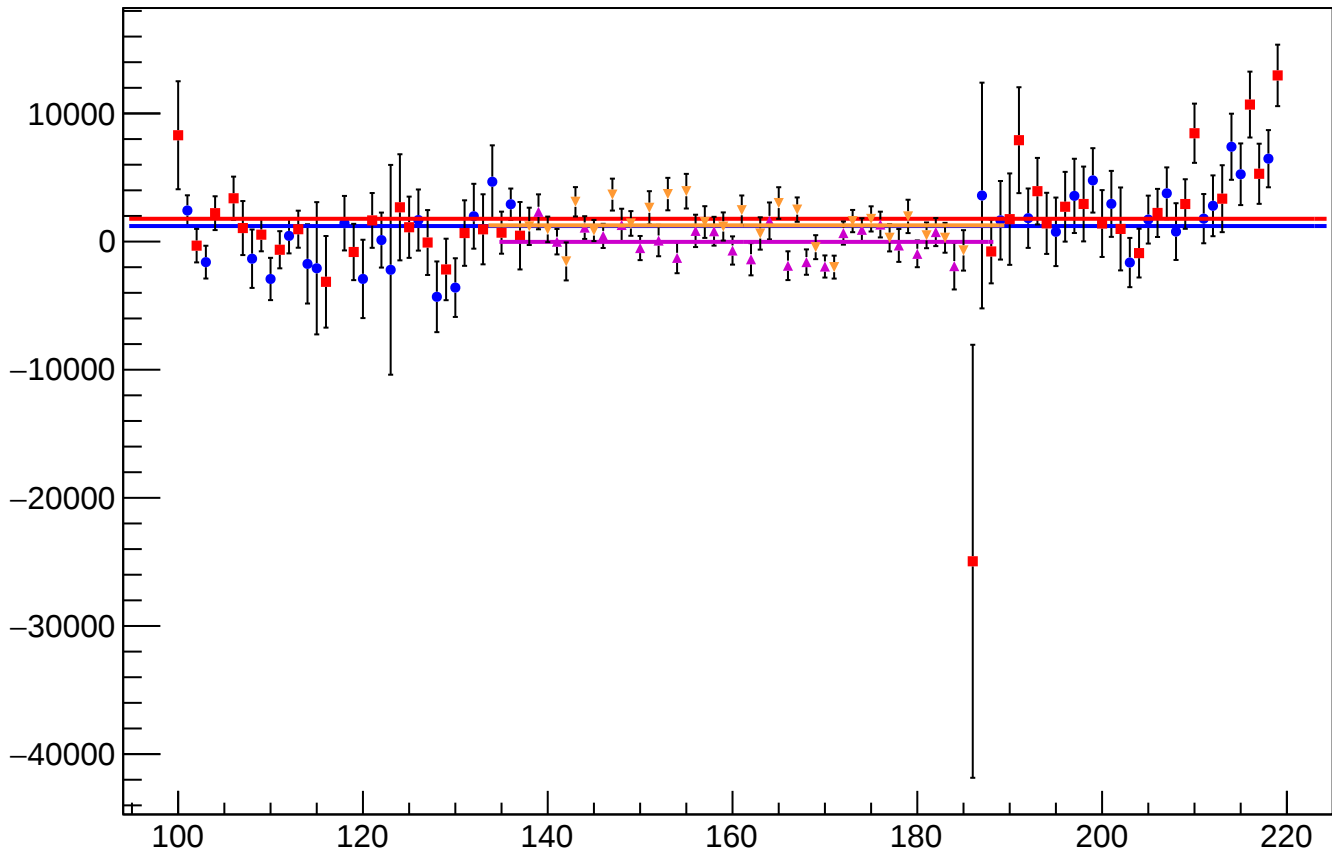
Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

+ sign 1068.244 $\pm$ 0.132 χ^2 /NDF: 7748863.0/57

All: 1071.014 $\pm$ 0.094 χ^2 /NDF: 16511359.4/100

- sign 1073.824 $\pm$ 0.133 χ^2 /NDF: 8761614.5/59

asym_sam_48_dd_mean vs Slug



Right In: 1212.278 $\pm$ 367.214 χ^2 /NDF: 51.1/32

Left Out: 1267.344 $\pm$ 220.133 χ^2 /NDF:44.9/24

Right Out: 1779.475 $\pm$ 353.631 χ^2 /NDF: 71.7/36

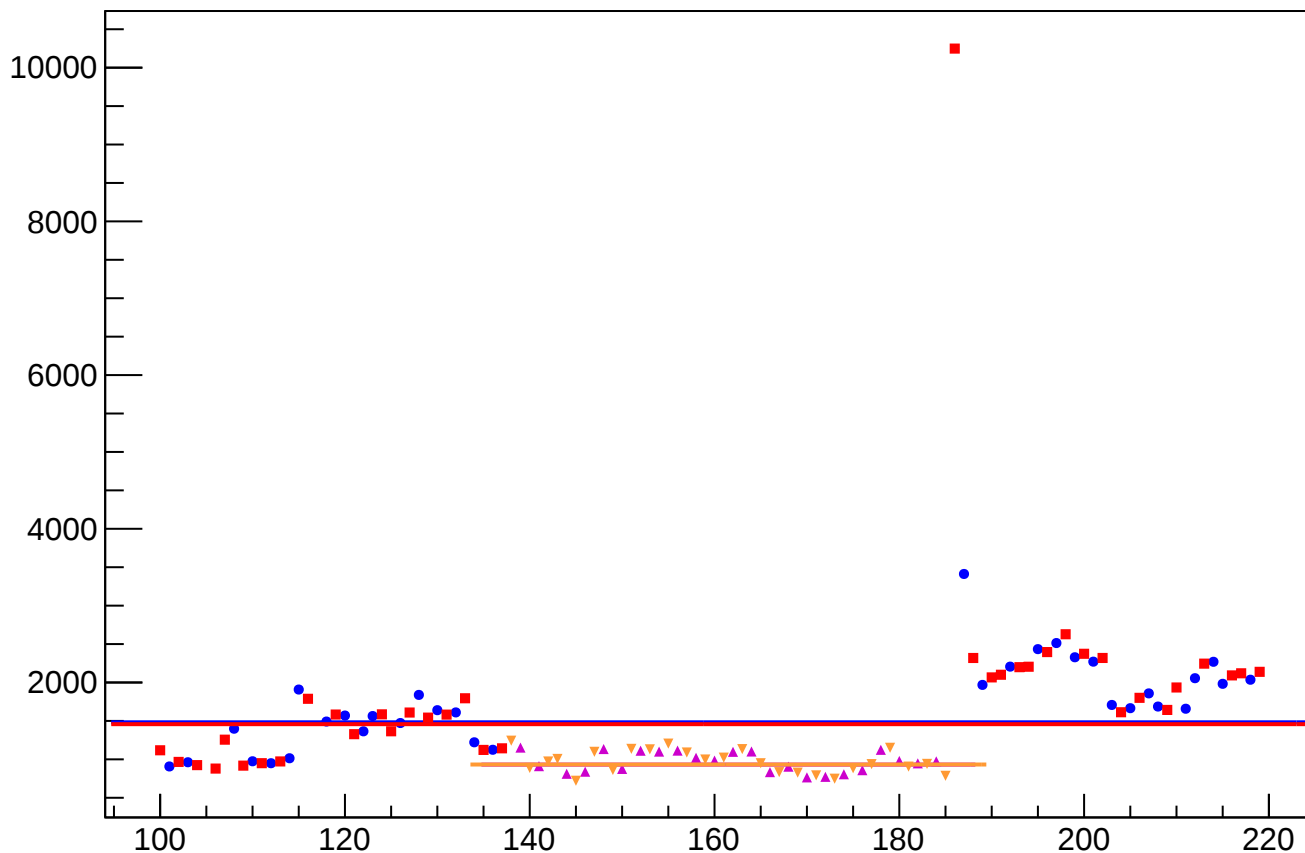
Left In: -23.478 $\pm$ 225.490 χ^2 /NDF:27.2/22

+ sign 1252.786 $\pm$ 188.807 χ^2 /NDF: 96.1/57

All: 877.866 $\pm$ 133.971 χ^2 /NDF: 221.3/117

- sign 497.684 $\pm$ 190.127 χ^2 /NDF: 117.3/59

asym_sam_48_dd_rms vs Slug



Right In: 1481.936+/-0.260 χ^2/NDF : 3524070.2/32

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1457.679+/-0.250 χ^2/NDF : 4882896.7/36

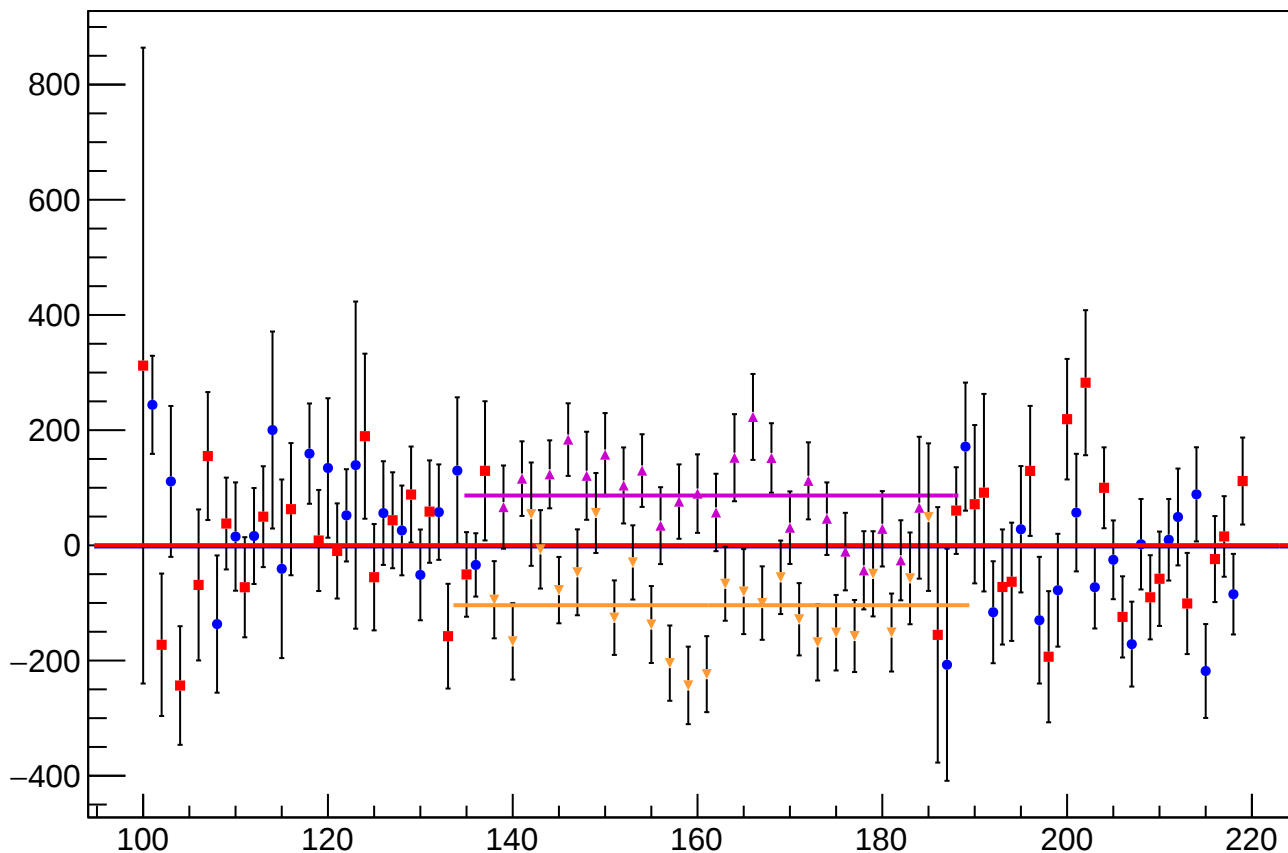
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1077.944+/-0.134 χ^2/NDF : 7644454.8/57

All: 1080.748+/-0.095 χ^2/NDF : 16300724.7/100

- sign 1083.592+/-0.134 χ^2/NDF : 8655381.1/59

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -1.939 ± 15.514 $\chi^2/\text{NDF}: 44.1/32$

Left Out: -103.899 ± 13.642 $\chi^2/\text{NDF}: 30.0/24$

Right Out: 0.356 ± 15.343 $\chi^2/\text{NDF}: 47.2/36$

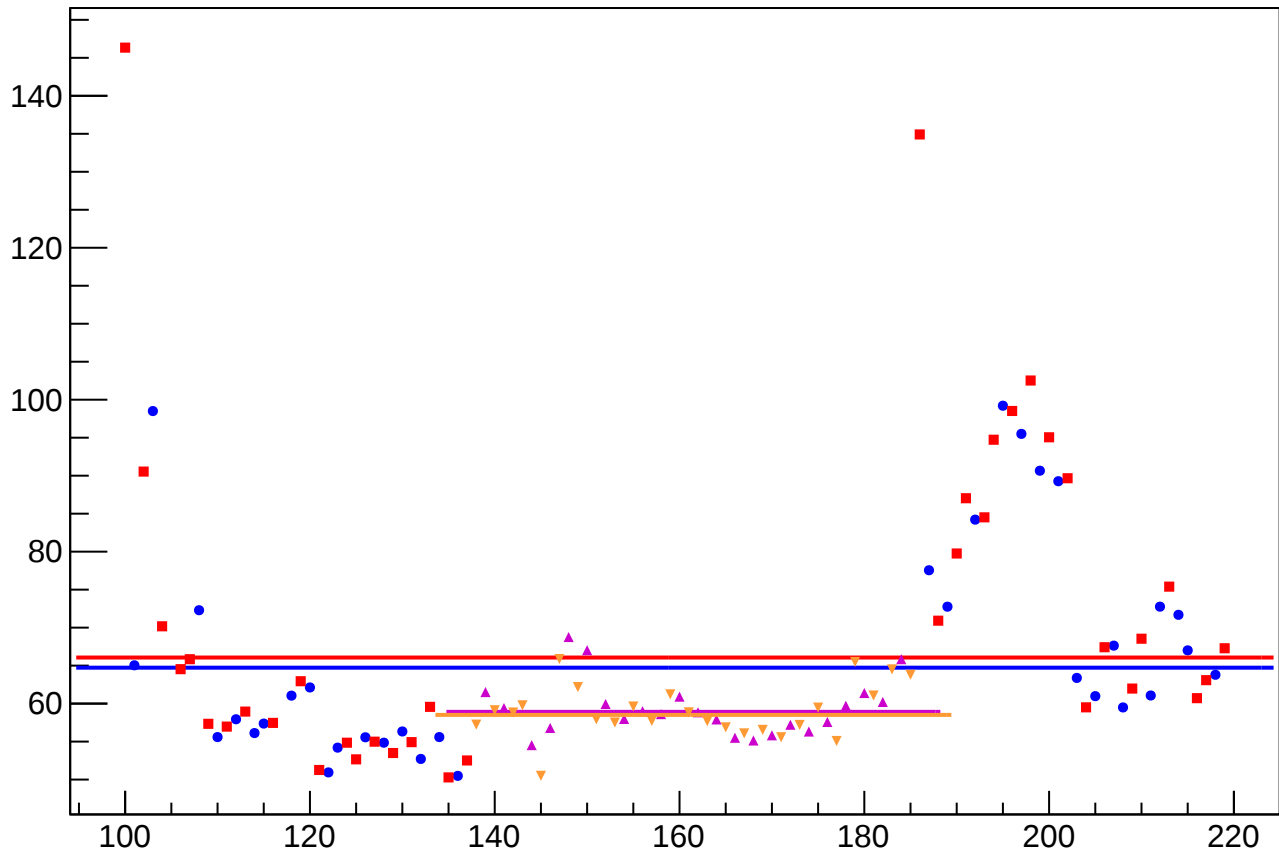
Left In: 86.542 ± 14.120 $\chi^2/\text{NDF}: 21.4/22$

+ sign -59.439 ± 10.245 $\chi^2/\text{NDF}: 98.4/57$

All: -6.958 ± 7.295 $\chi^2/\text{NDF}: 237.3/117$

- sign 47.019 ± 10.390 $\chi^2/\text{NDF}: 85.7/59$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.728 $\pm$ 0.011 χ^2 /NDF: 1295372.8/32

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 66.064 $\pm$ 0.011 χ^2 /NDF: 1687757.7/36

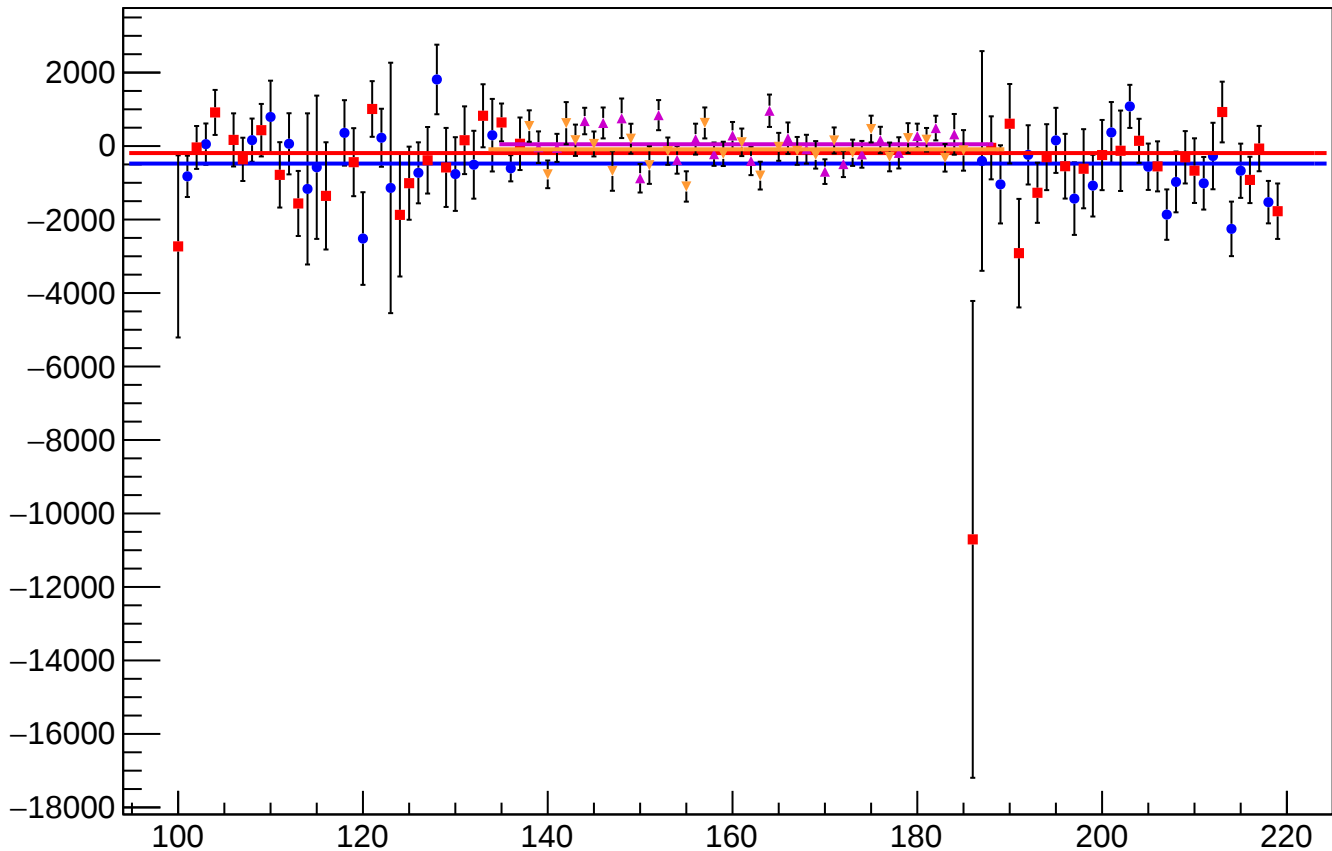
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 61.223 $\pm$ 0.007 χ^2 /NDF: 1599597.4/57

All: 61.701 $\pm$ 0.005 χ^2 /NDF: 3641346.7/117

- sign 62.192 $\pm$ 0.007 χ^2 /NDF: 2032922.3/59

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -476.791 ± 133.697 χ^2/NDF : 40.3/32

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -190.737 ± 133.374 χ^2/NDF : 34.9/36

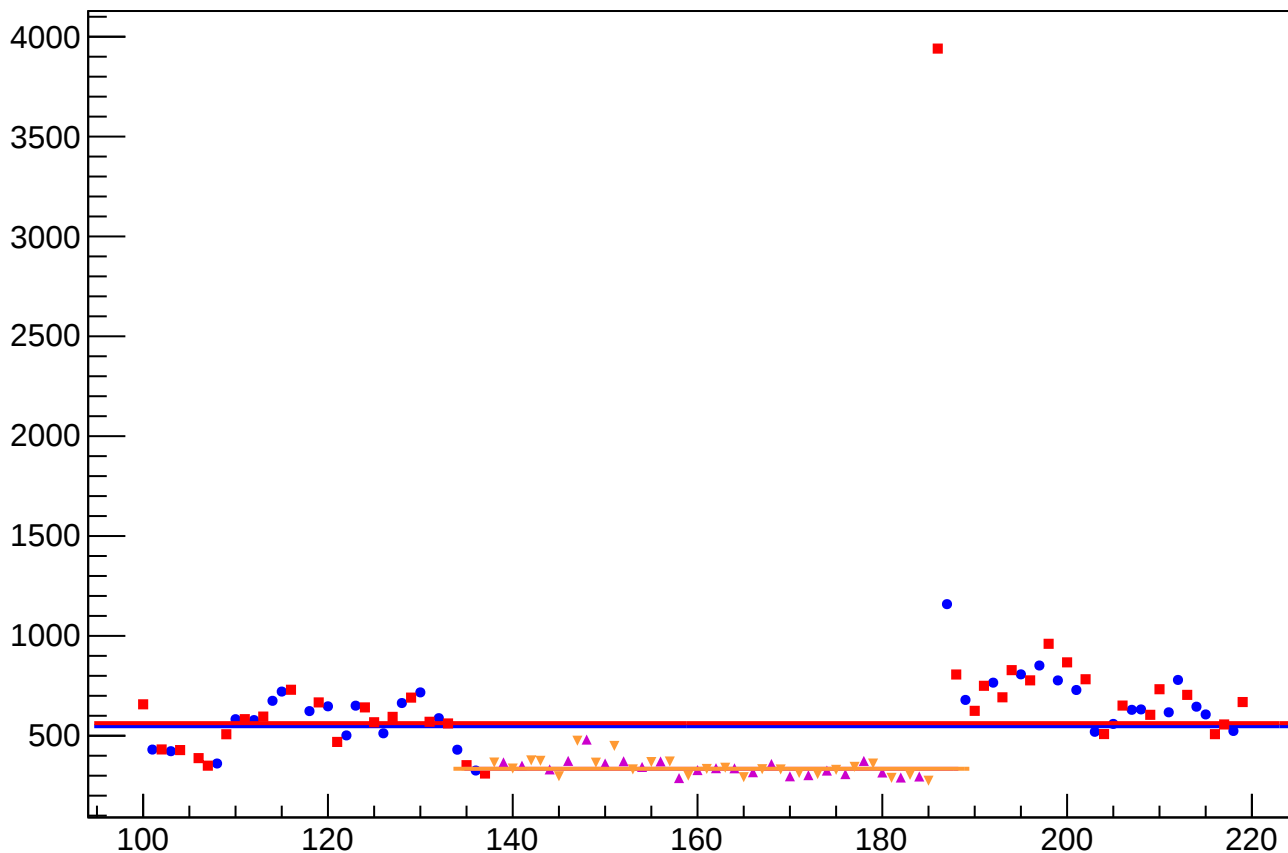
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -187.376 ± 67.730 χ^2/NDF : 74.4/57

All: -102.853 ± 48.318 χ^2/NDF : 150.1/117

- sign -15.259 ± 68.949 χ^2/NDF : 72.6/59

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 547.714 $\pm$ 0.095 χ^2 /NDF: 2472732.0/32

Left Out: 334.749 $\pm$ 0.056 χ^2 /NDF: 491370.4/24

Right Out: 563.125 $\pm$ 0.094 χ^2 /NDF: 3181943.9/36

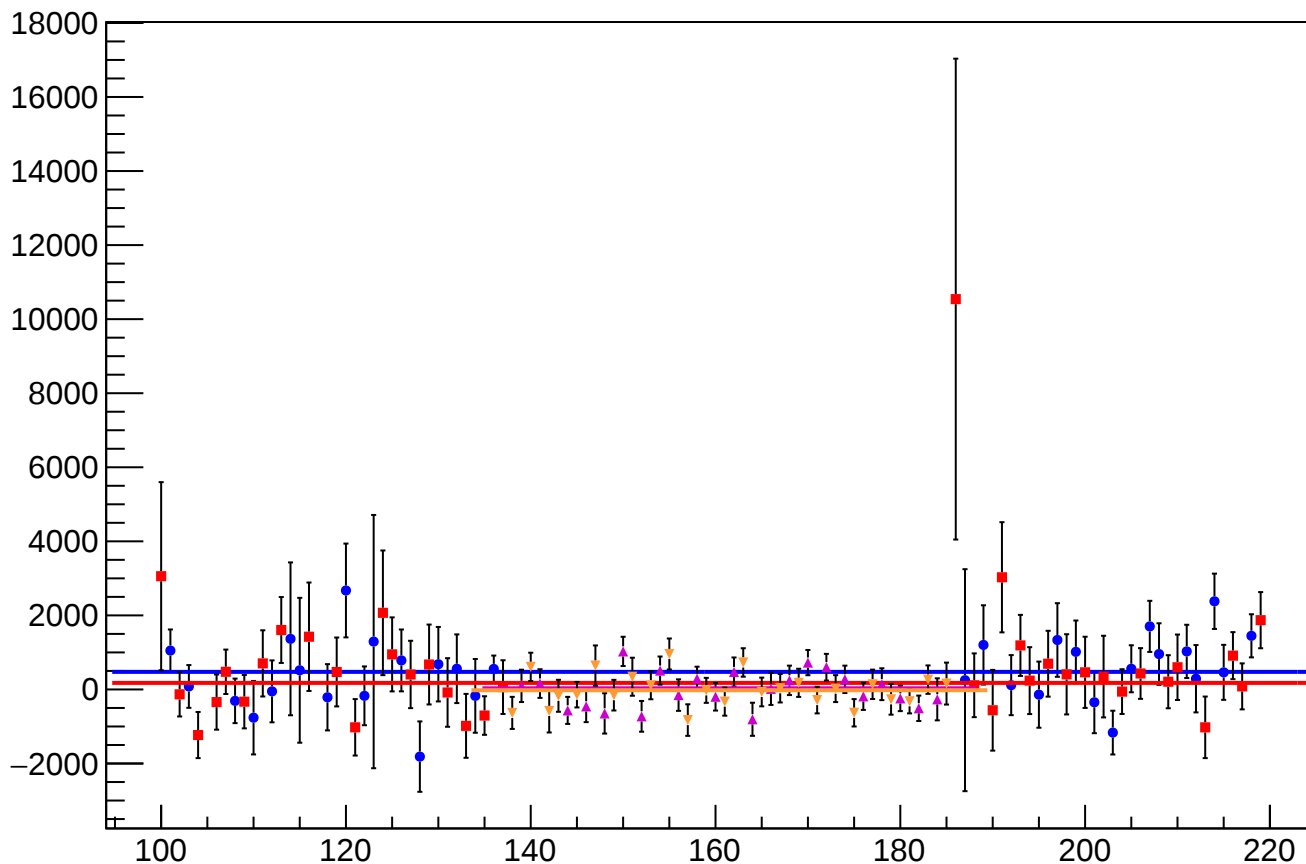
Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

+ sign 389.404 $\pm$ 0.048 χ^2 /NDF: 6736408.3/57

All: 392.320 $\pm$ 0.034 χ^2 /NDF: 14642607.2/11

- sign 395.341 $\pm$ 0.049 χ^2 /NDF: 7898650.5/59

asym_sam_13_57_dd_mean vs Slug



Right In: 474.902 $\pm$ 134.940 χ^2 /NDF: 40.5/32

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF: 27.2/24

Right Out: 176.972 $\pm$ 134.650 χ^2 /NDF: 38.7/36

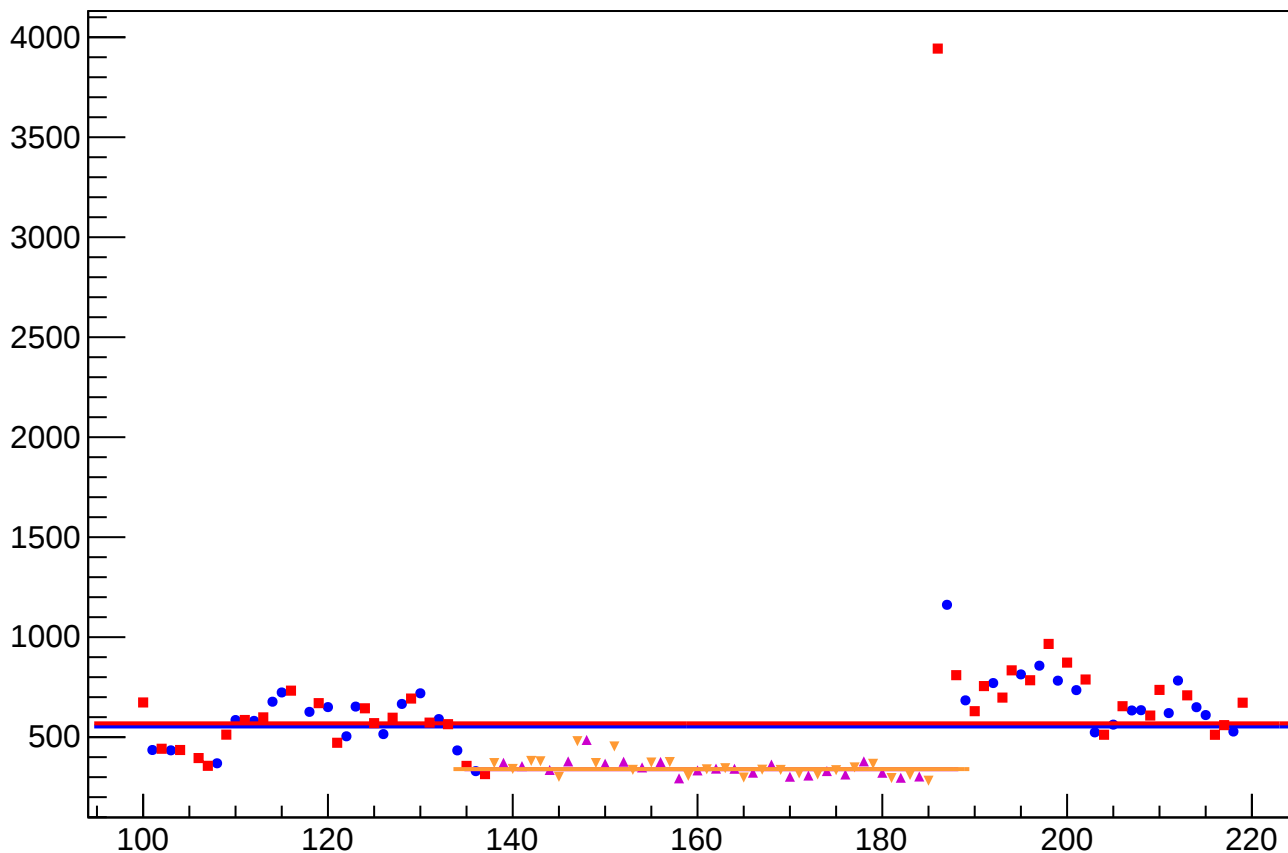
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF: 34.0/22

+ sign 107.598 $\pm$ 68.695 χ^2 /NDF: 77.7/57

All: 89.607 $\pm$ 49.007 χ^2 /NDF: 151.4/117

- sign 70.961 $\pm$ 69.935 χ^2 /NDF: 73.6/59

asym_sam_13_57_dd_rms vs Slug



Right In: 553.410 $\pm$ 0.095 χ^2 /NDF: 2404311.1/32

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 569.046 $\pm$ 0.095 χ^2 /NDF: 3109690.3/36

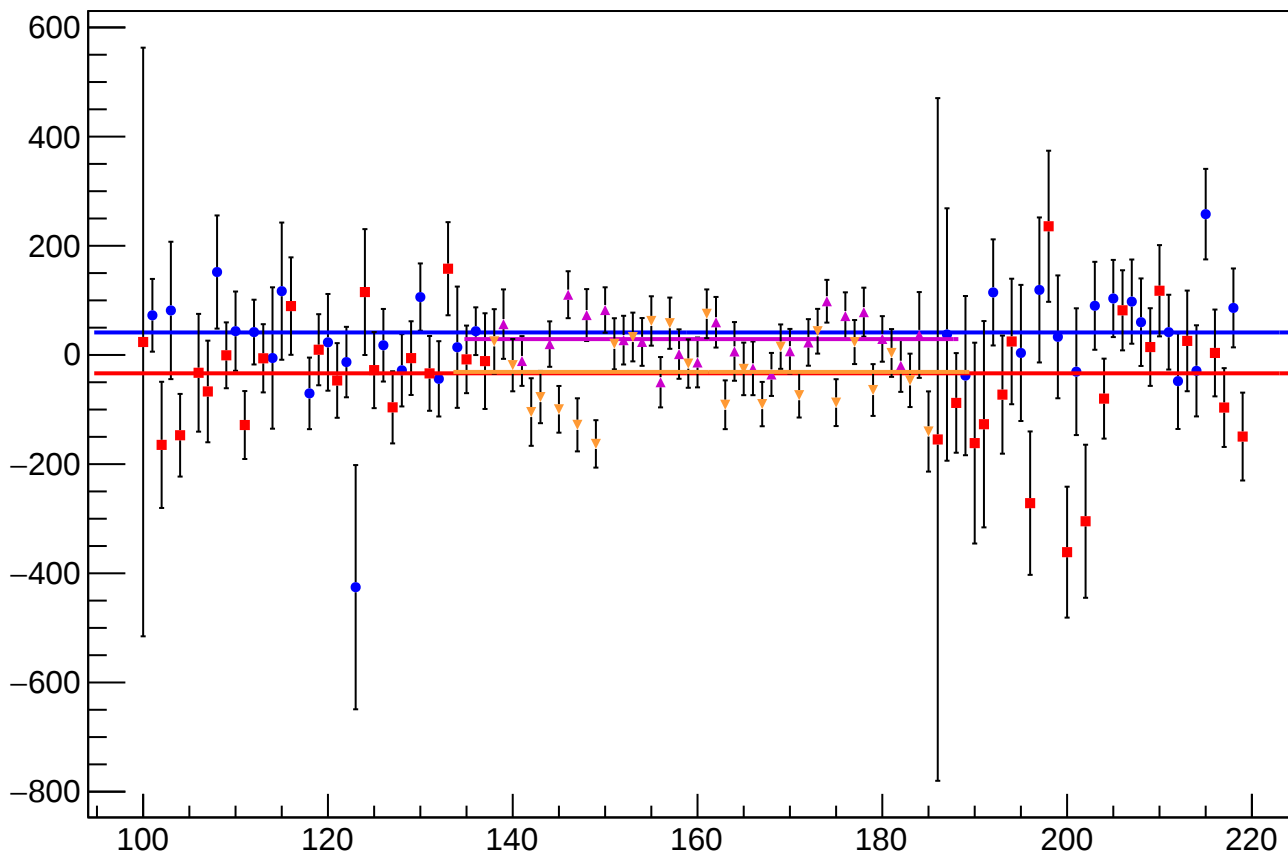
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 395.484 $\pm$ 0.049 χ^2 /NDF: 6570885.2/57

All: 398.443 $\pm$ 0.035 χ^2 /NDF: 14307887.3/11

- sign 401.510 $\pm$ 0.049 χ^2 /NDF: 7729444.7/59

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 41.245 ± 14.033 $\chi^2/\text{NDF}: 26.2/32$

Left Out: -31.063 ± 9.170 $\chi^2/\text{NDF}: 52.6/24$

Right Out: -33.631 ± 13.873 $\chi^2/\text{NDF}: 46.7/36$

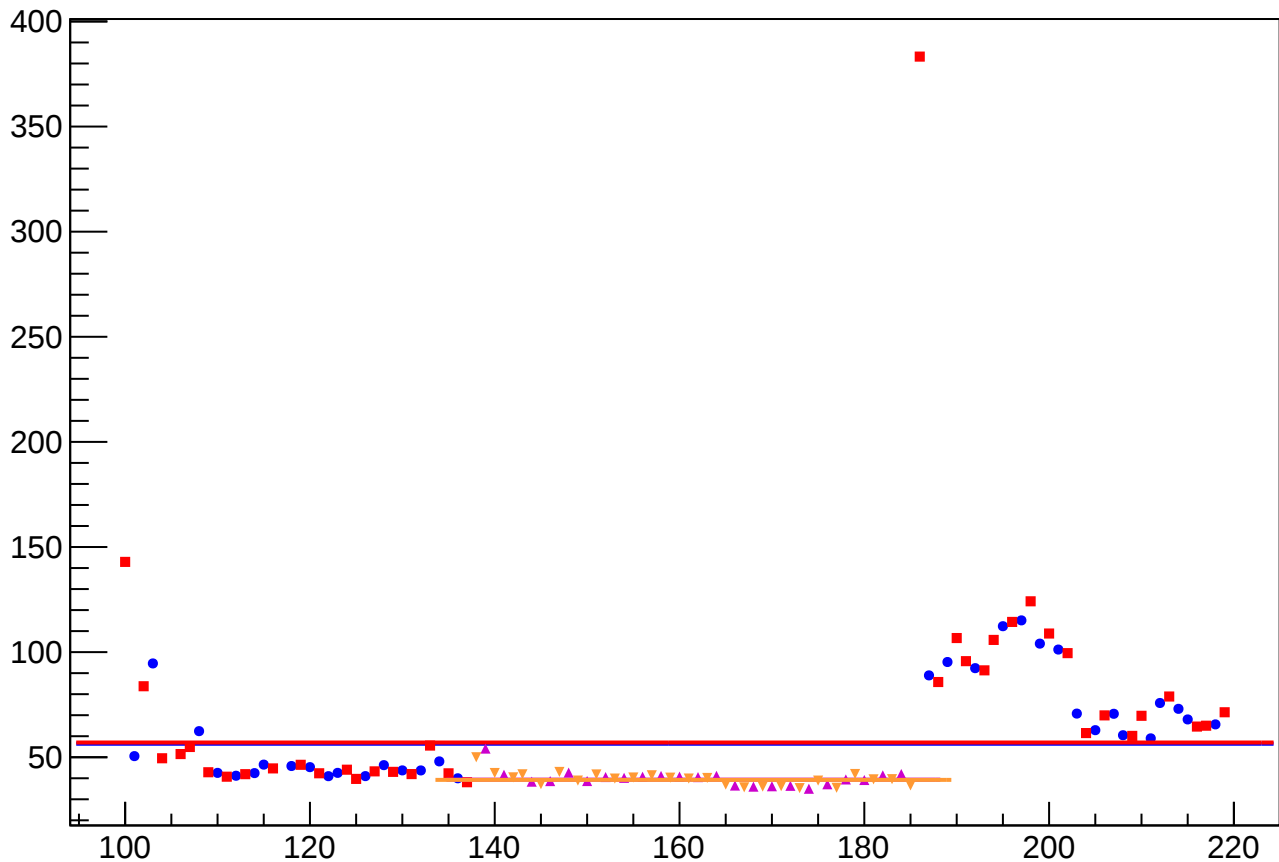
Left In: 29.055 ± 9.449 $\chi^2/\text{NDF}: 22.4/22$

+ sign -9.427 ± 7.676 $\chi^2/\text{NDF}: 97.4/57$

All: -0.280 ± 5.475 $\chi^2/\text{NDF}: 183.4/117$

- sign 9.189 ± 7.810 $\chi^2/\text{NDF}: 83.1/59$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 56.410 $\pm$ 0.010 χ^2 /NDF: 3562278.5/32

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 57.008 $\pm$ 0.010 χ^2 /NDF: 4634800.3/36

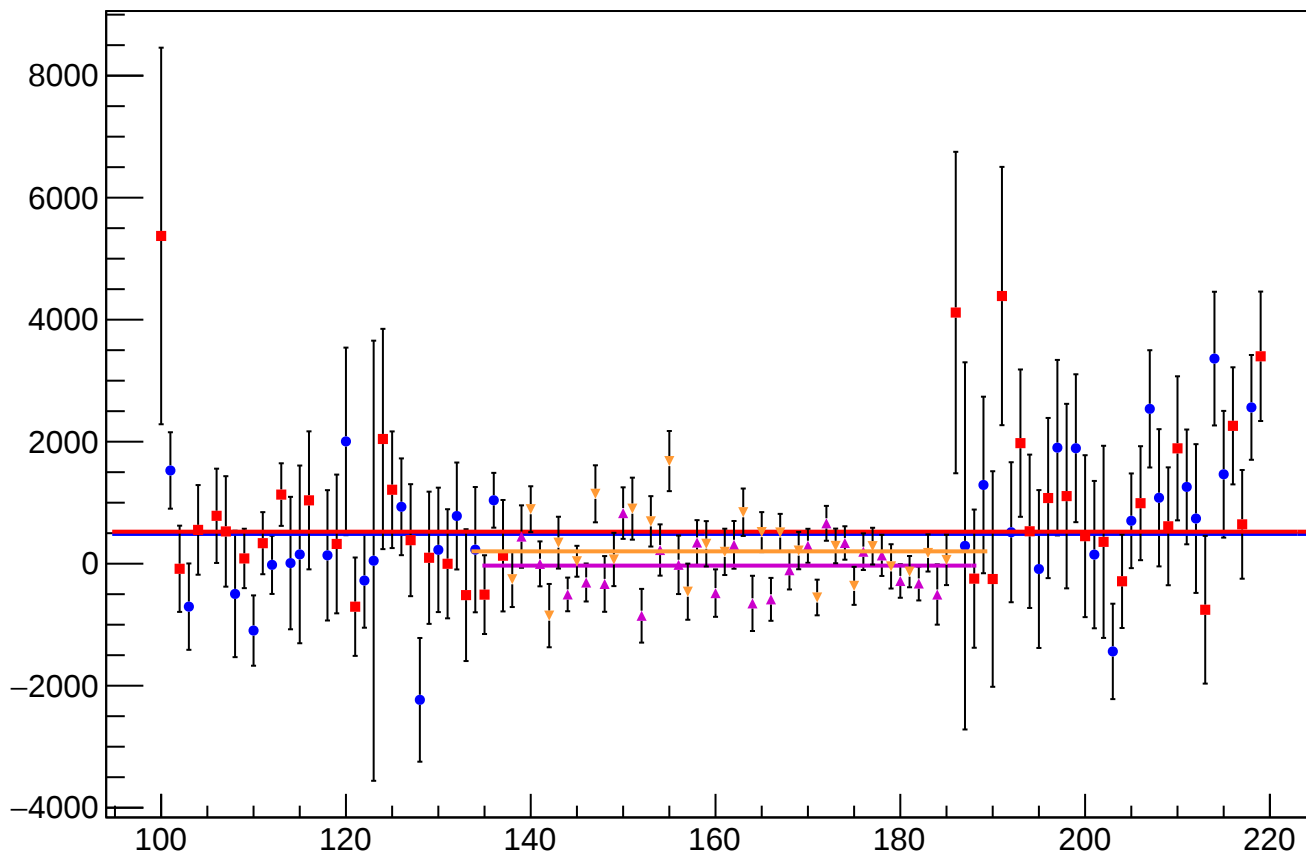
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 44.374 $\pm$ 0.005 χ^2 /NDF: 5863770.0/57

All: 44.651 $\pm$ 0.004 χ^2 /NDF: 12935815.6/117

- sign 44.938 $\pm$ 0.006 χ^2 /NDF: 7066740.6/59

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 487.713 ± 154.557 χ^2/NDF : 54.9/32

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 524.734 ± 150.249 χ^2/NDF : 35.8/36

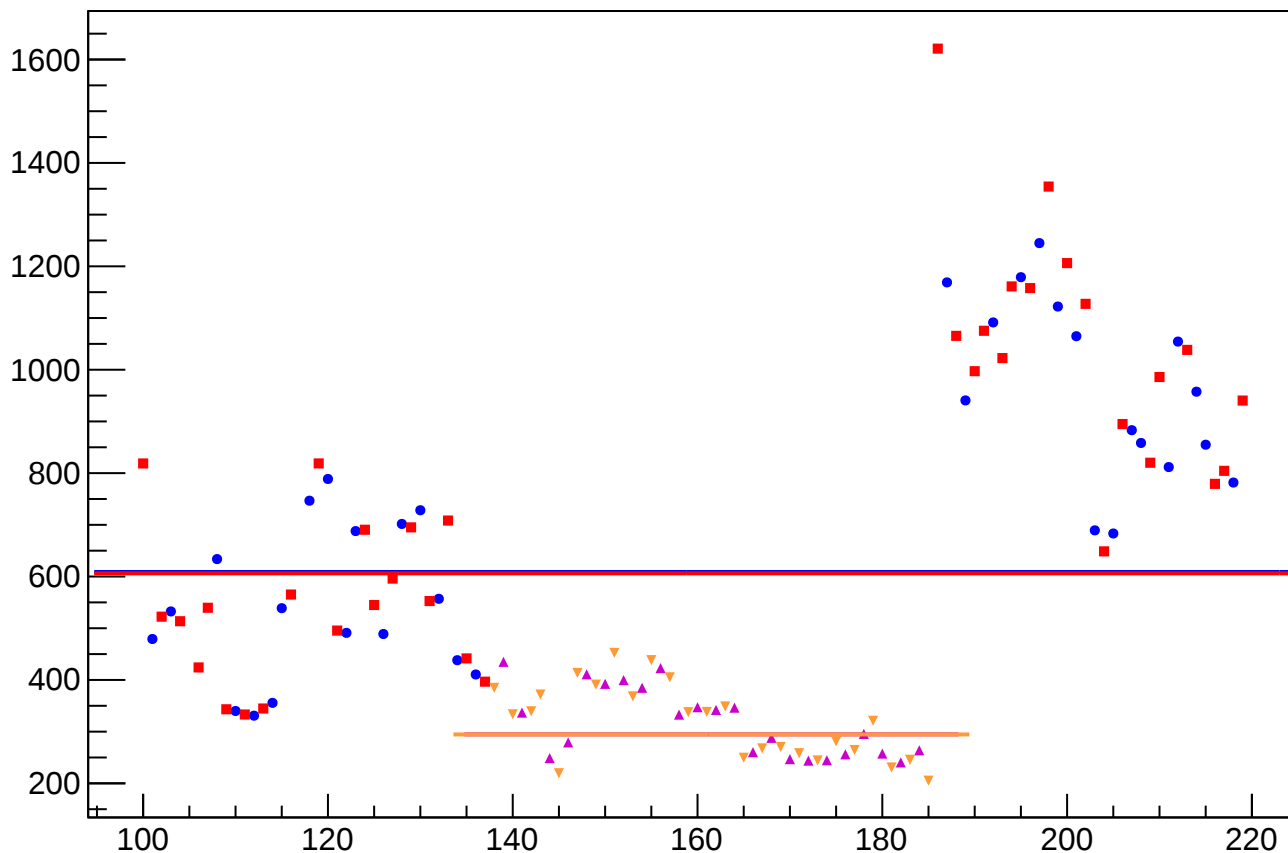
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 251.429 ± 64.086 χ^2/NDF : 102.6/57

All: 163.271 ± 45.637 χ^2/NDF : 186.7/117

- sign 72.573 ± 65.003 χ^2/NDF : 80.3/59

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 608.780+/-0.109 χ^2/NDF : 4996409.5/32

Left Out: 294.591+/-0.050 χ^2/NDF : 1680474.5/24

Right Out: 606.236+/-0.106 χ^2/NDF : 6306200.5/36

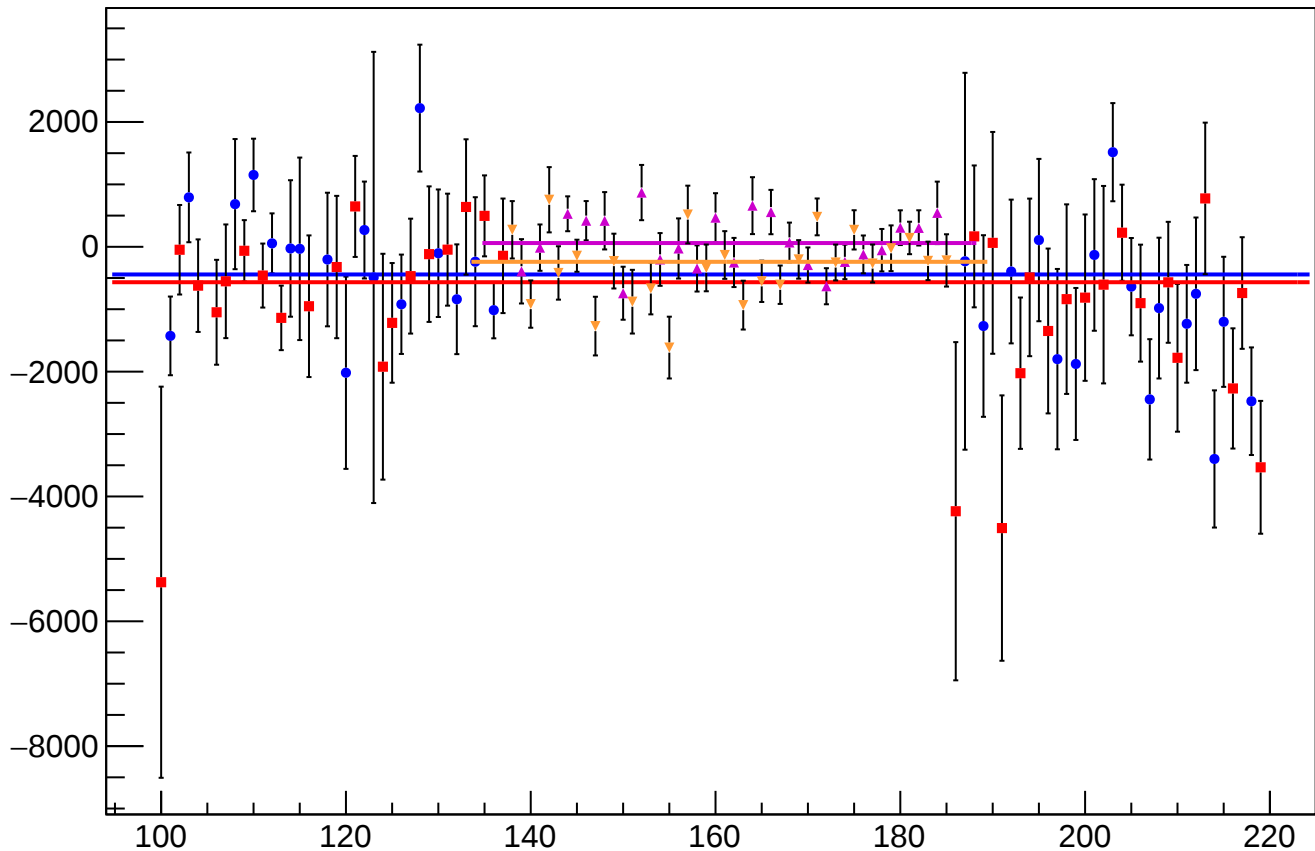
Left In: 294.722+/-0.051 χ^2/NDF : 1297310.3/22

+ sign 348.610+/-0.045 χ^2/NDF : 13520763.0/57

All: 350.788+/-0.032 χ^2/NDF : 28117069.3/11

- sign 353.029+/-0.046 χ^2/NDF : 14591619.8/59

asym_sam_15_37_dd_mean vs Slug



Right In: -443.076 ± 155.401 χ^2/NDF : 54.2/32

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -567.422 ± 151.531 χ^2/NDF : 35.7/36

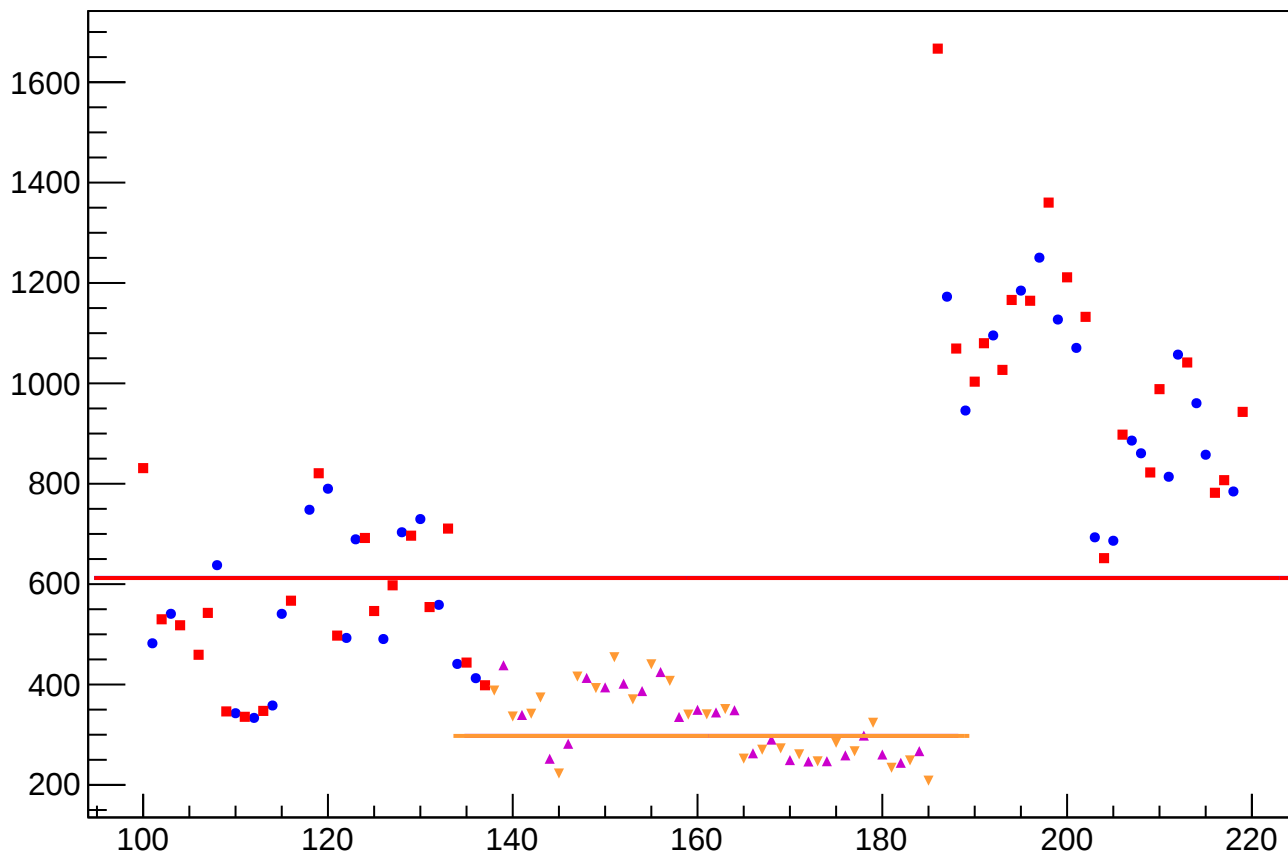
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -275.447 ± 64.655 χ^2/NDF : 98.6/57

All: -168.005 ± 46.052 χ^2/NDF : 184.7/117

- sign -57.360 ± 65.611 χ^2/NDF : 80.5/59

asym_sam_15_37_dd_rms vs Slug



Right In: 612.445+/-0.110 χ^2/NDF : 4963532.8/32

Left Out: 297.613+/-0.050 χ^2/NDF :1637757.8/24

Right Out: 612.130+/-0.107 χ^2/NDF : 6225842.4/36

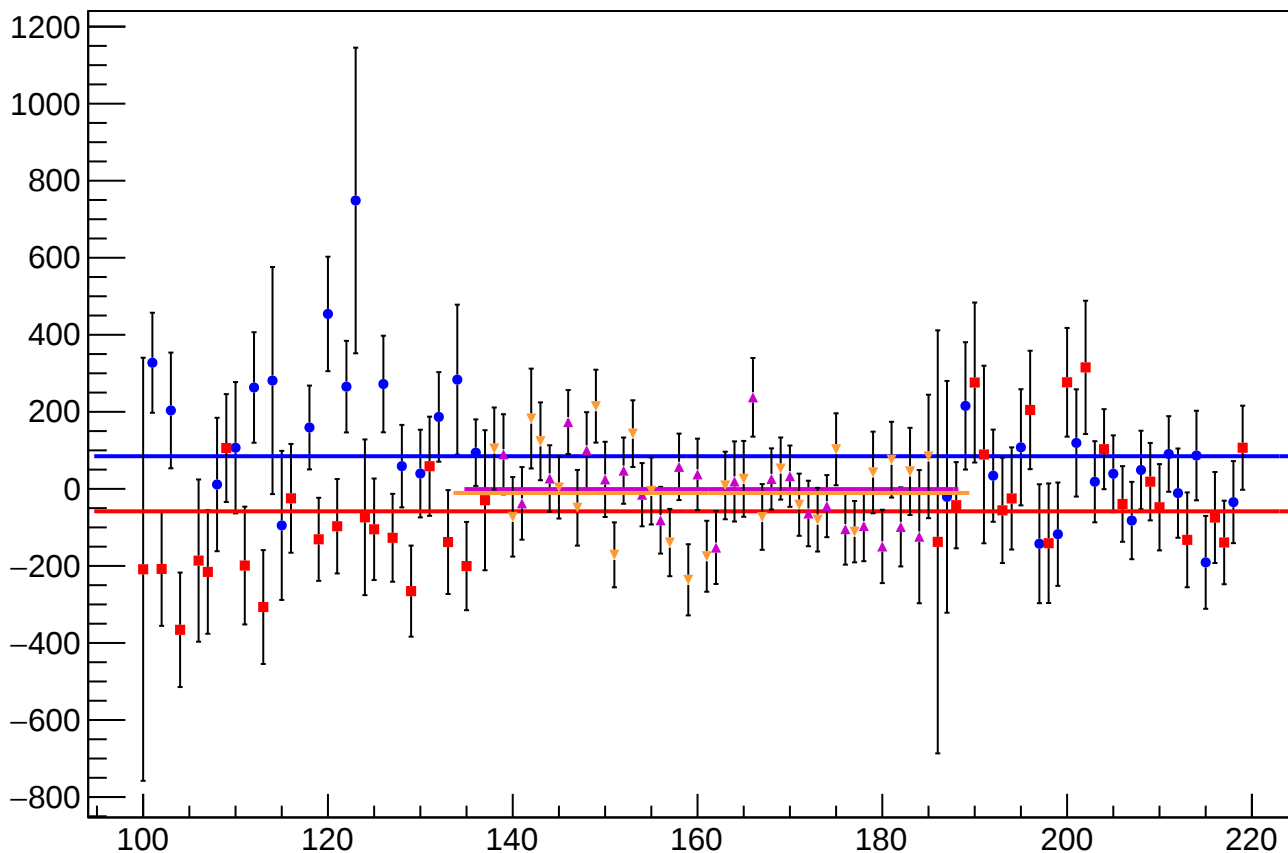
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 352.110+/-0.046 χ^2/NDF : 13389217.1/57

All: 354.345+/-0.033 χ^2/NDF : 27883179.1/11

- sign 356.648+/-0.046 χ^2/NDF : 14489107.2/59

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 84.796 ± 22.174 χ^2/NDF : 39.3/32

Left Out: -10.667 ± 18.610 χ^2/NDF : 36.3/24

Right Out: -58.254 ± 22.168 χ^2/NDF : 41.6/36

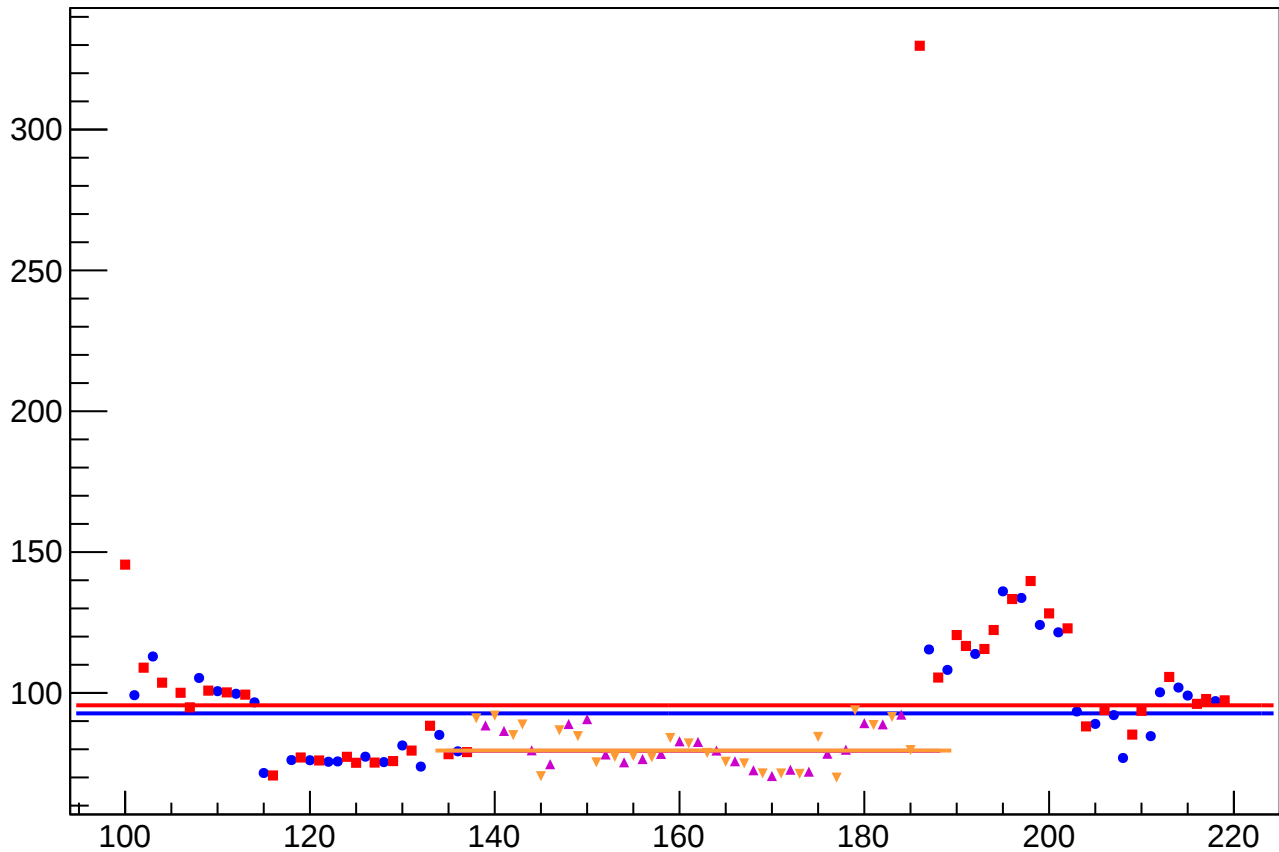
Left In: -0.575 ± 19.091 χ^2/NDF : 23.8/22

+ sign 28.785 ± 14.255 χ^2/NDF : 86.6/57

All: 2.221 ± 10.154 χ^2/NDF : 162.8/117

- sign -25.137 ± 14.466 χ^2/NDF : 69.2/59

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.745 ± 0.016 $\chi^2/\text{NDF}: 1095164.9/32$

Left Out: 79.551 ± 0.013 $\chi^2/\text{NDF}: 309075.2/24$

Right Out: 95.608 ± 0.016 $\chi^2/\text{NDF}: 1536787.7/36$

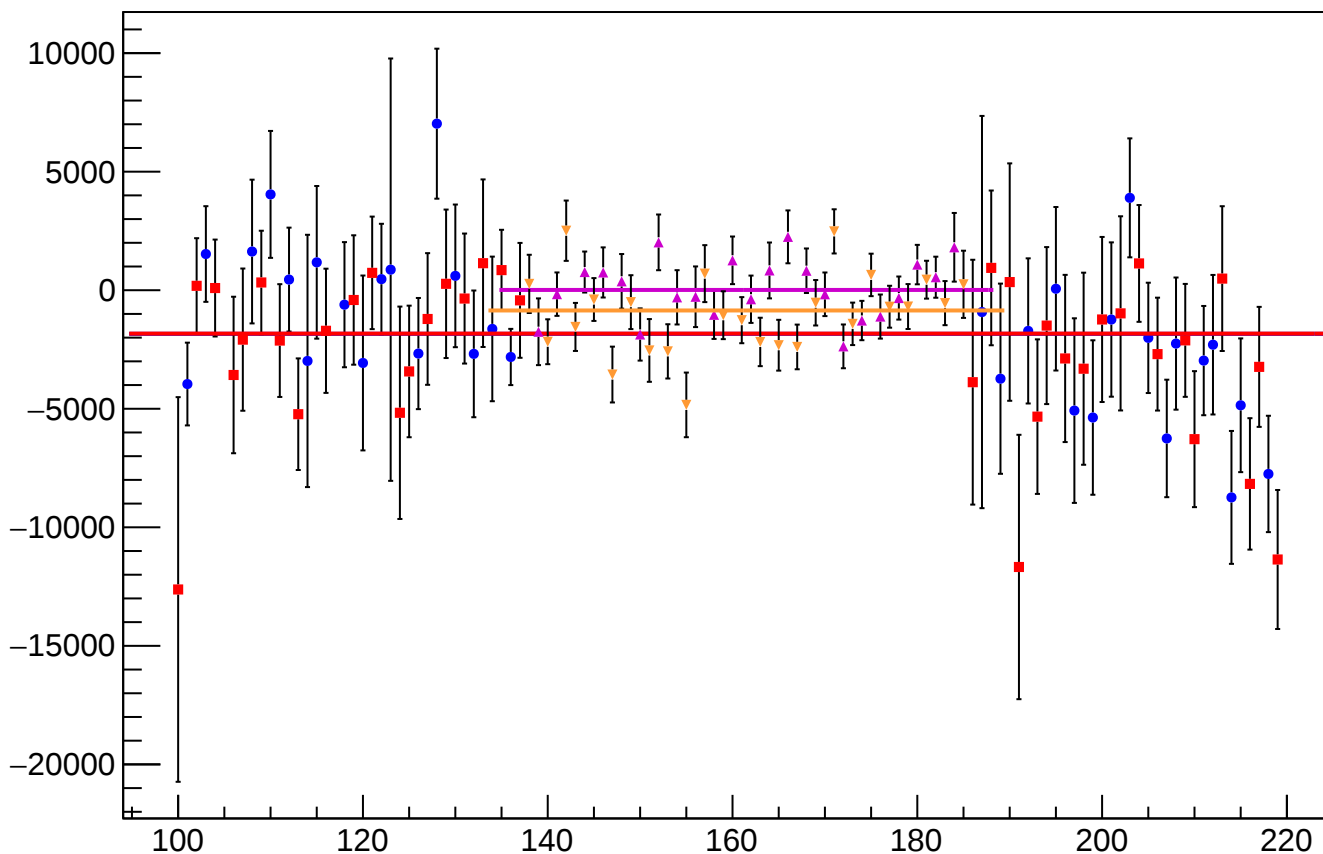
Left In: 79.436 ± 0.013 $\chi^2/\text{NDF}: 212440.1/22$

+ sign 85.004 ± 0.010 $\chi^2/\text{NDF}: 1819726.9/57$

All: 85.654 ± 0.007 $\chi^2/\text{NDF}: 4188486.2/117$

- sign 86.323 ± 0.010 $\chi^2/\text{NDF}: 2360321.1/59$

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1839.713 ± 456.090 χ^2/NDF : 47.4/32

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1830.561 ± 461.645 χ^2/NDF : 40.0/36

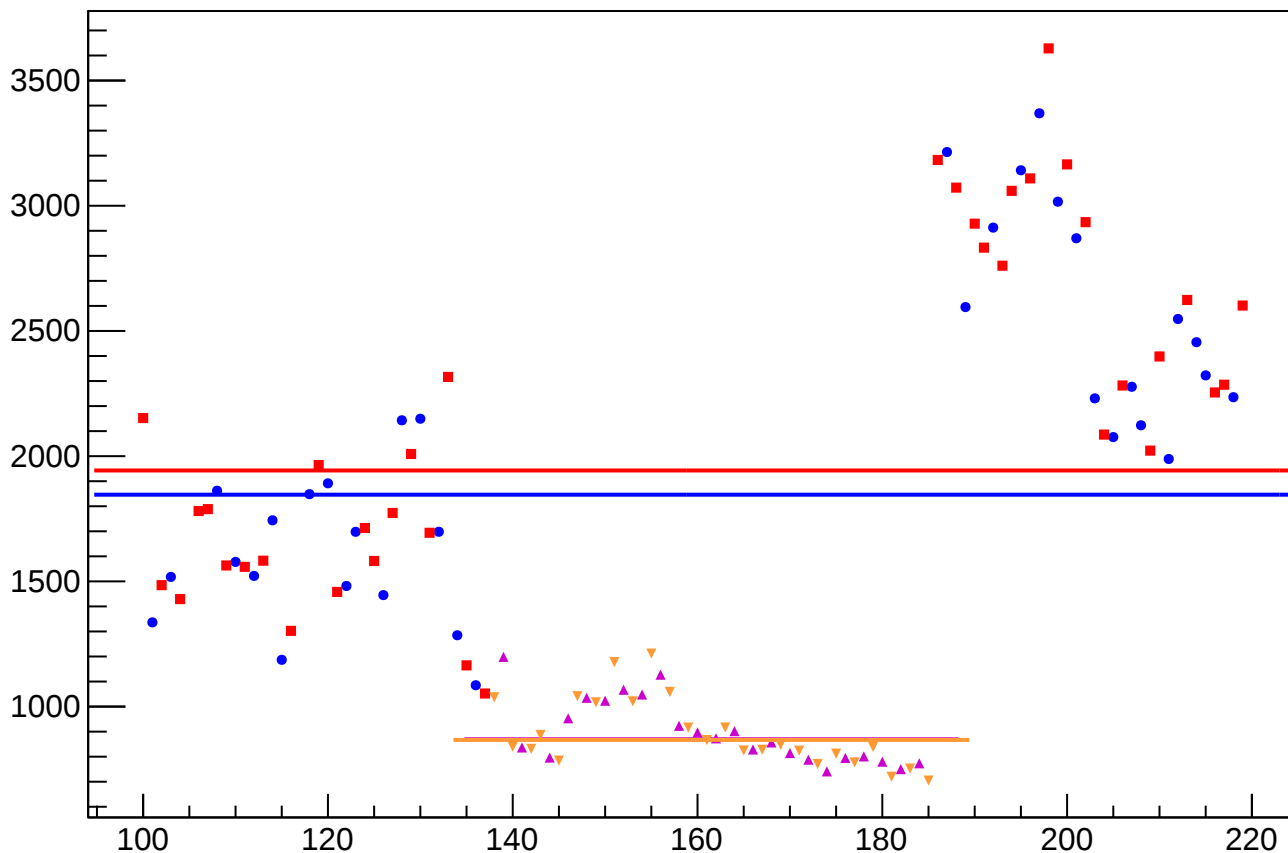
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -1018.555 ± 186.290 χ^2/NDF : 107.2/57

All: -670.755 ± 133.431 χ^2/NDF : 198.8/117

- sign -304.351 ± 191.207 χ^2/NDF : 84.4/59

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1846.213 $\pm$ 0.323 χ^2 /NDF: 3297835.2/32

Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF: 661712.5/24

+ sign 1030.274 $\pm$ 0.132 χ^2 /NDF: 11642200.2/57

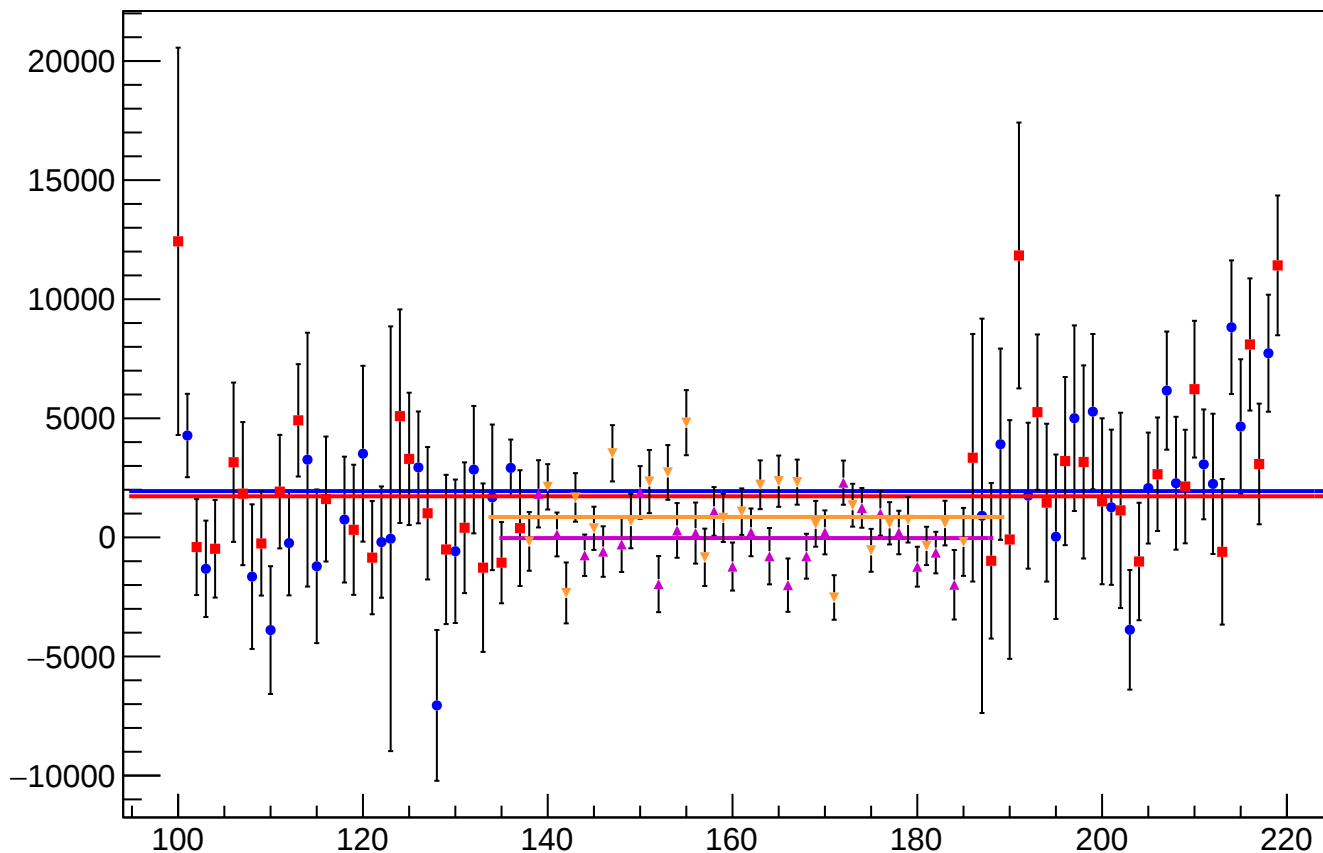
Right Out: 1942.895 $\pm$ 0.326 χ^2 /NDF: 3508152.8/36

All: 1041.681 $\pm$ 0.094 χ^2 /NDF: 24704661.9/100

Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

- sign 1053.698 $\pm$ 0.135 χ^2 /NDF: 13047062.8/59

asym_sam_24_68_dd_mean vs Slug



Right In: 1943.278 ± 456.825 $\chi^2/\text{NDF}: 46.8/32$

Left Out: 855.664 ± 205.047 $\chi^2/\text{NDF}: 54.1/24$

Right Out: 1726.044 ± 462.454 $\chi^2/\text{NDF}: 40.3/36$

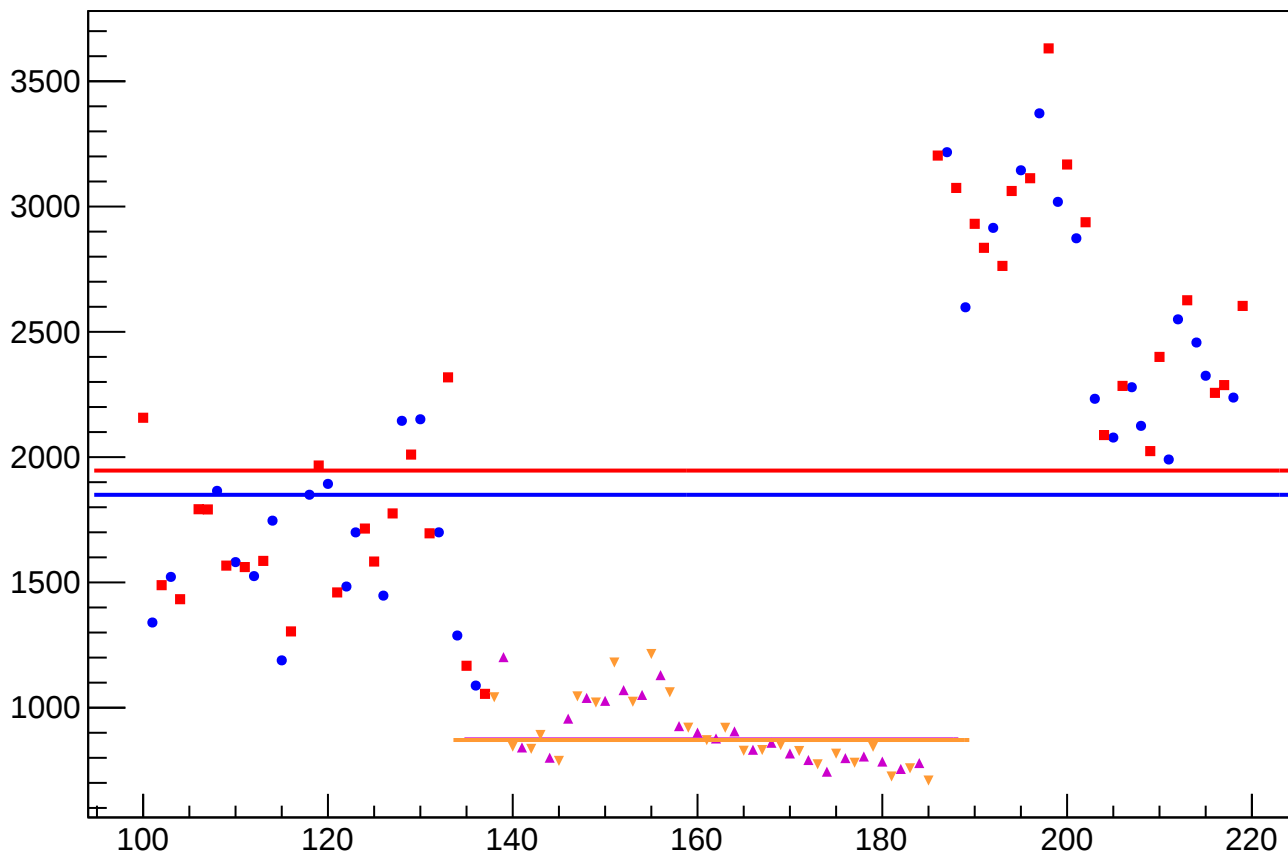
Left In: -28.553 ± 211.034 $\chi^2/\text{NDF}: 29.7/22$

+ sign 1038.041 ± 187.067 $\chi^2/\text{NDF}: 105.6/57$

All: 665.867 ± 133.982 $\chi^2/\text{NDF}: 195.7/117$

- sign 273.853 ± 191.988 $\chi^2/\text{NDF}: 82.0/59$

asym_sam_24_68_dd_rms vs Slug



Right In: 1849.607 $\pm$ 0.323 χ^2 /NDF: 3283687.7/32

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

+ sign 1035.188 $\pm$ 0.132 χ^2 /NDF: 11572708.5/57

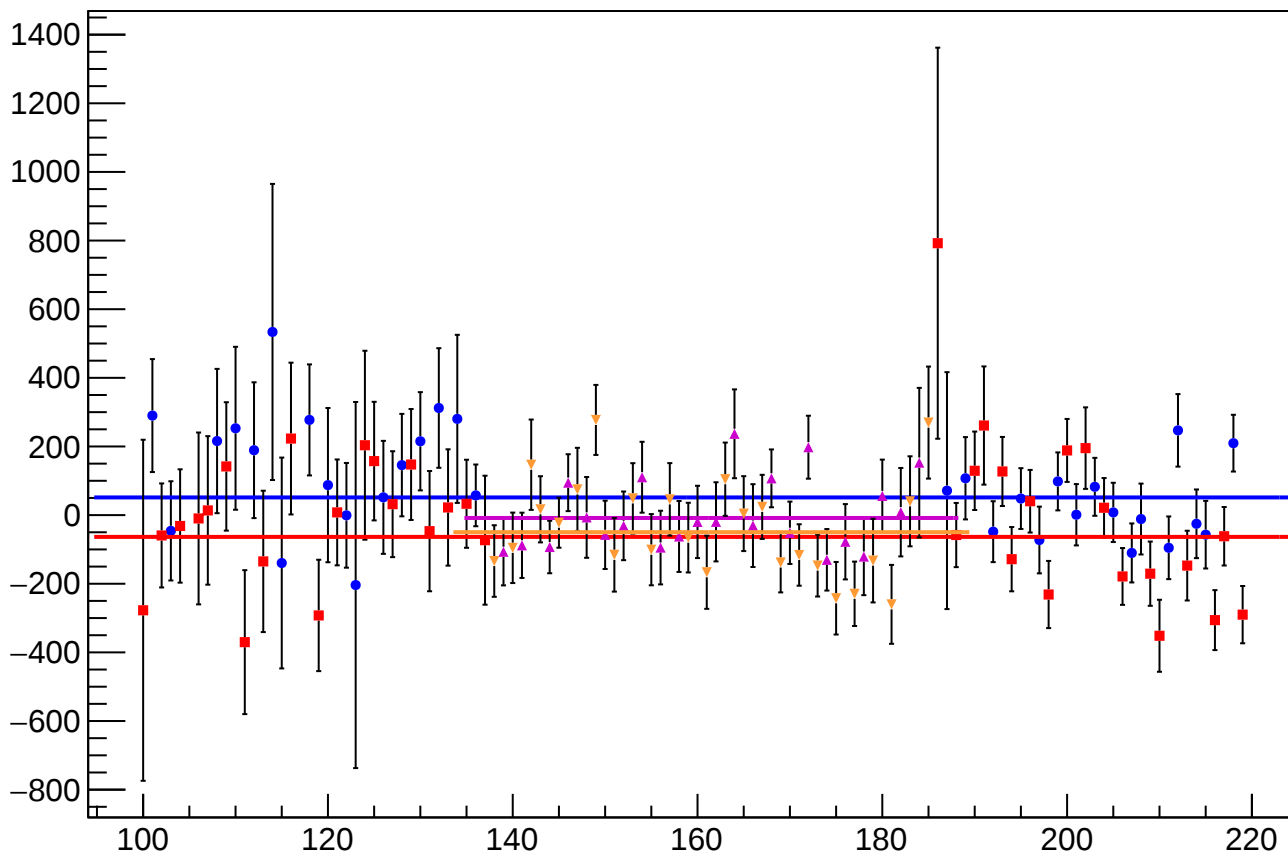
Right Out: 1946.389 $\pm$ 0.327 χ^2 /NDF: 3497418.8/36

All: 1046.570 $\pm$ 0.095 χ^2 /NDF: 24565649.2/1

Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

- sign 1058.558 $\pm$ 0.136 χ^2 /NDF: 12977739.3/59

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 51.517 ± 20.669 $\chi^2/\text{NDF}: 32.7/32$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -63.474 ± 20.292 $\chi^2/\text{NDF}: 70.0/36$

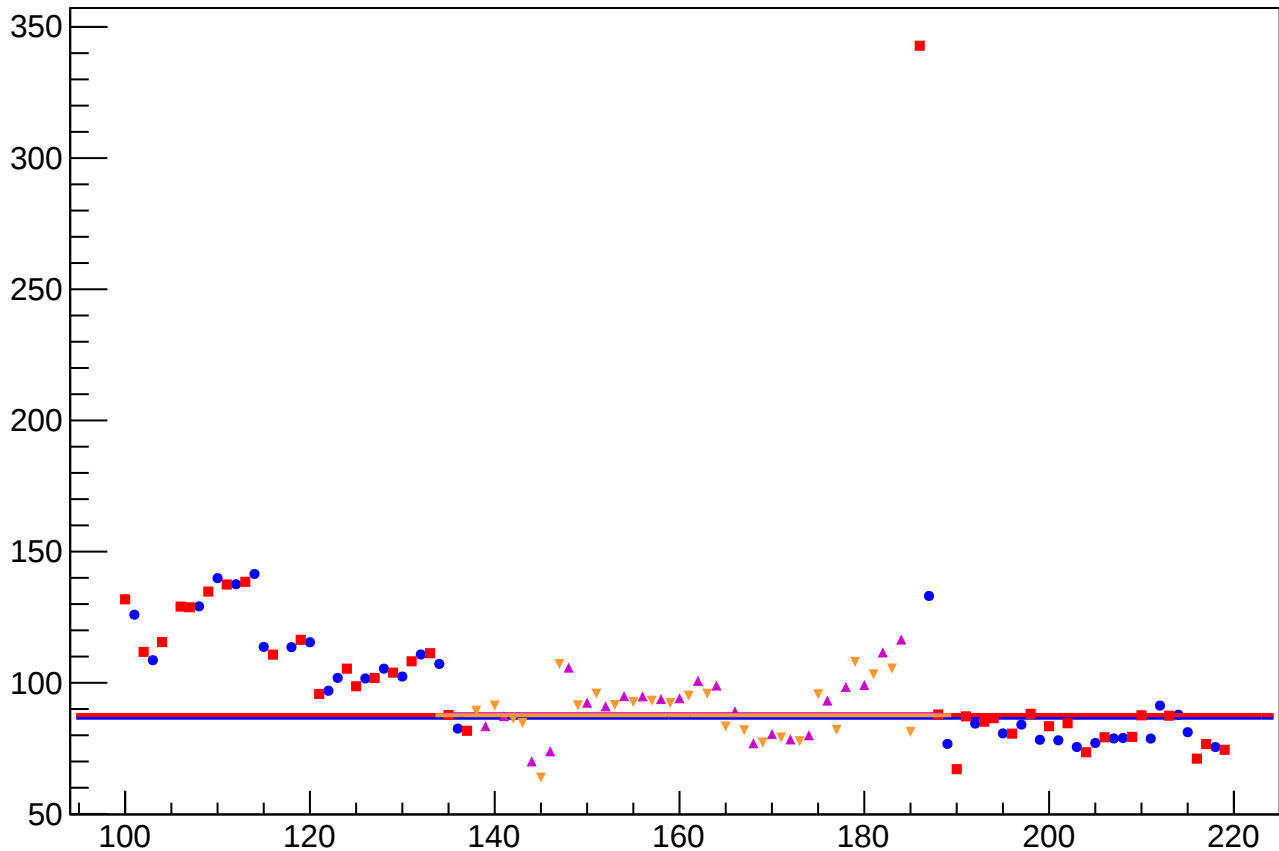
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign 0.681 ± 14.584 $\chi^2/\text{NDF}: 84.1/57$

All: -18.135 ± 10.347 $\chi^2/\text{NDF}: 183.0/117$

- sign -37.207 ± 14.683 $\chi^2/\text{NDF}: 95.5/59$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 86.686 $\pm$ 0.015 χ^2 /NDF: 999315.3/32

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 87.741 $\pm$ 0.014 χ^2 /NDF: 1553214.5/36

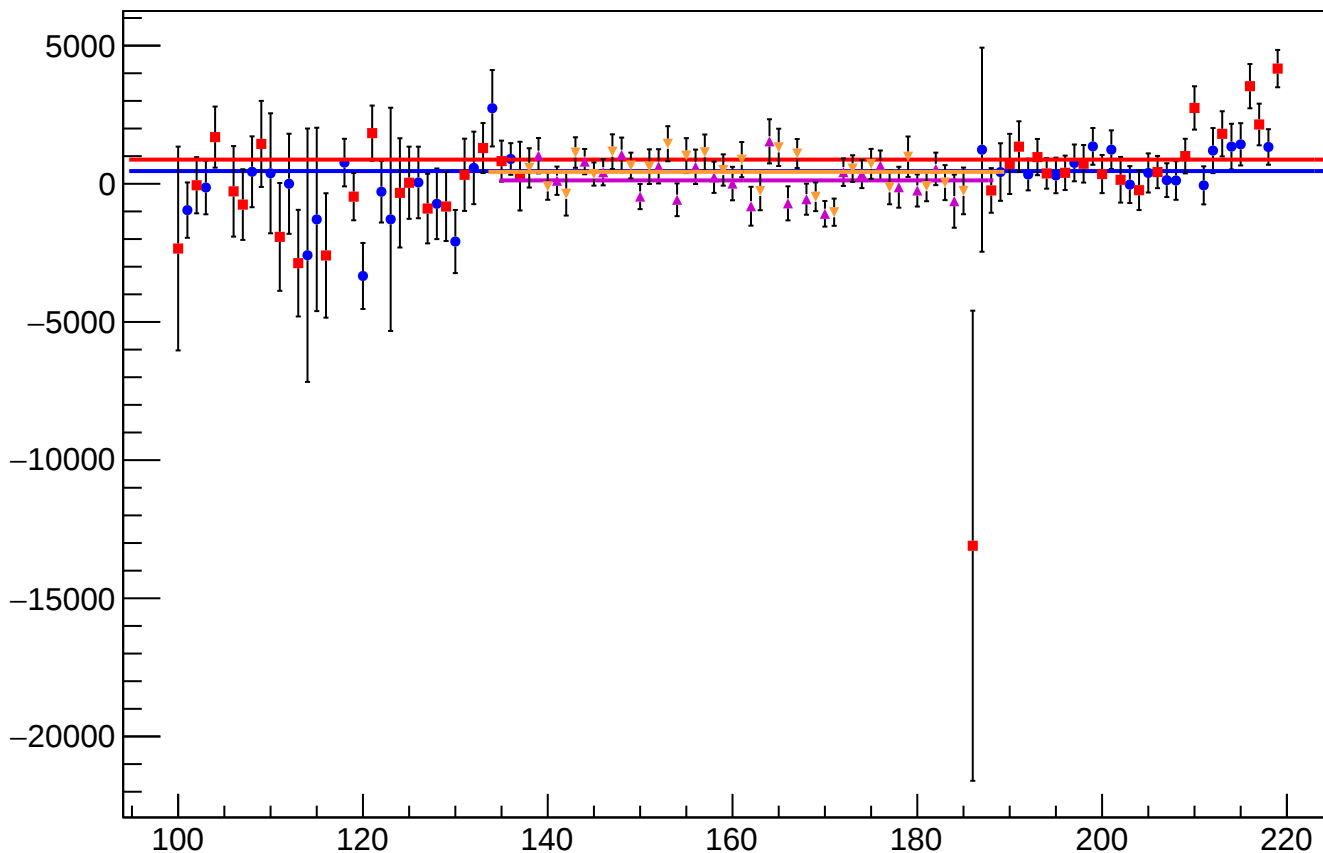
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 87.158 $\pm$ 0.010 χ^2 /NDF: 1556080.9/57

All: 87.516 $\pm$ 0.007 χ^2 /NDF: 3635635.8/117

- sign 87.879 $\pm$ 0.010 χ^2 /NDF: 2077122.0/59

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 460.518 $\pm$ 151.521 χ^2 /NDF: 33.7/32

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF: 30.5/24

Right Out: 875.367 $\pm$ 146.998 χ^2 /NDF: 76.5/36

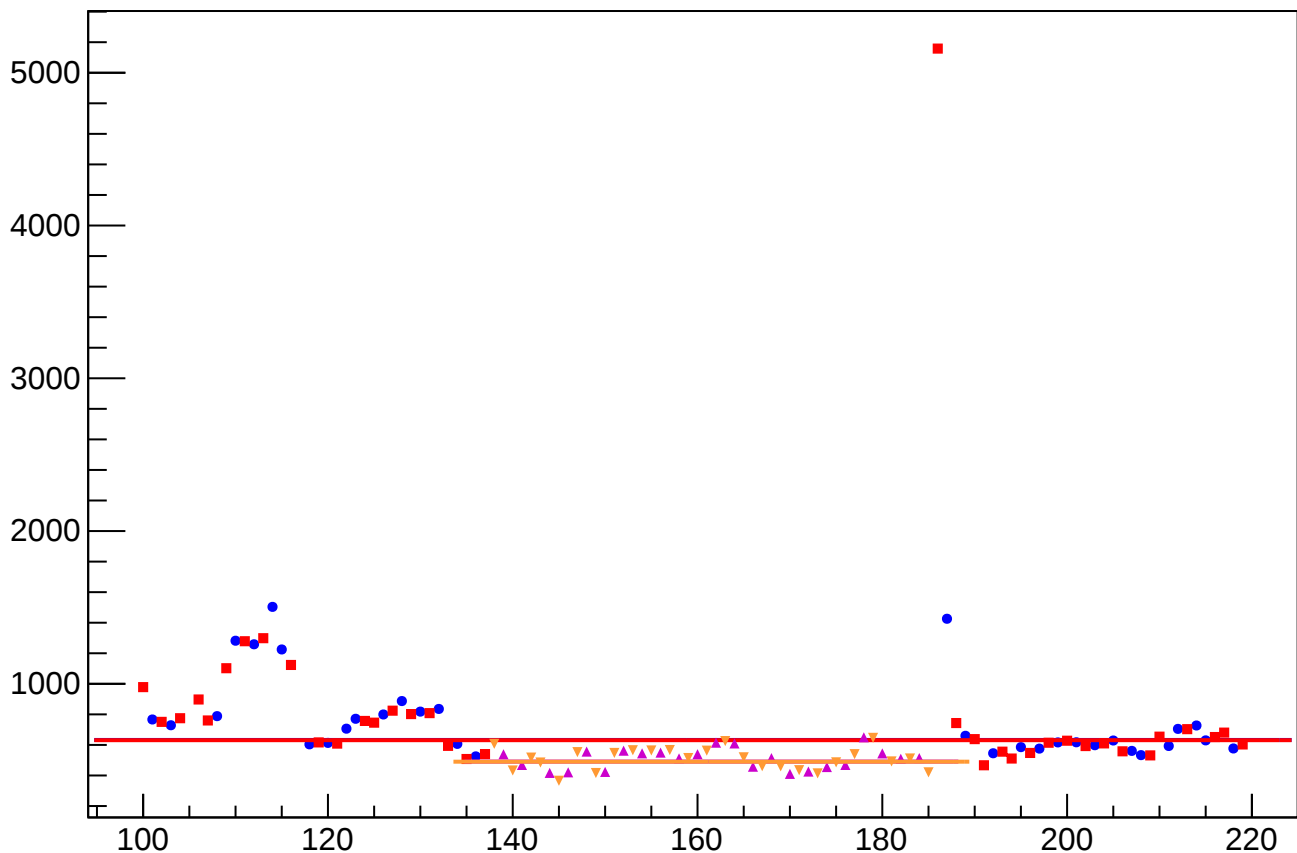
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF: 29.3/22

+ sign 442.288 $\pm$ 91.960 χ^2 /NDF: 64.2/57

All: 431.406 $\pm$ 65.188 χ^2 /NDF: 185.8/117

- sign 420.414 $\pm$ 92.421 χ^2 /NDF: 121.6/59

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 632.522 ± 0.107 χ^2/NDF : 1241371.5/32

Left Out: 490.267 ± 0.082 χ^2/NDF : 750277.0/24

Right Out: 631.053 ± 0.104 χ^2/NDF : 2052216.7/36

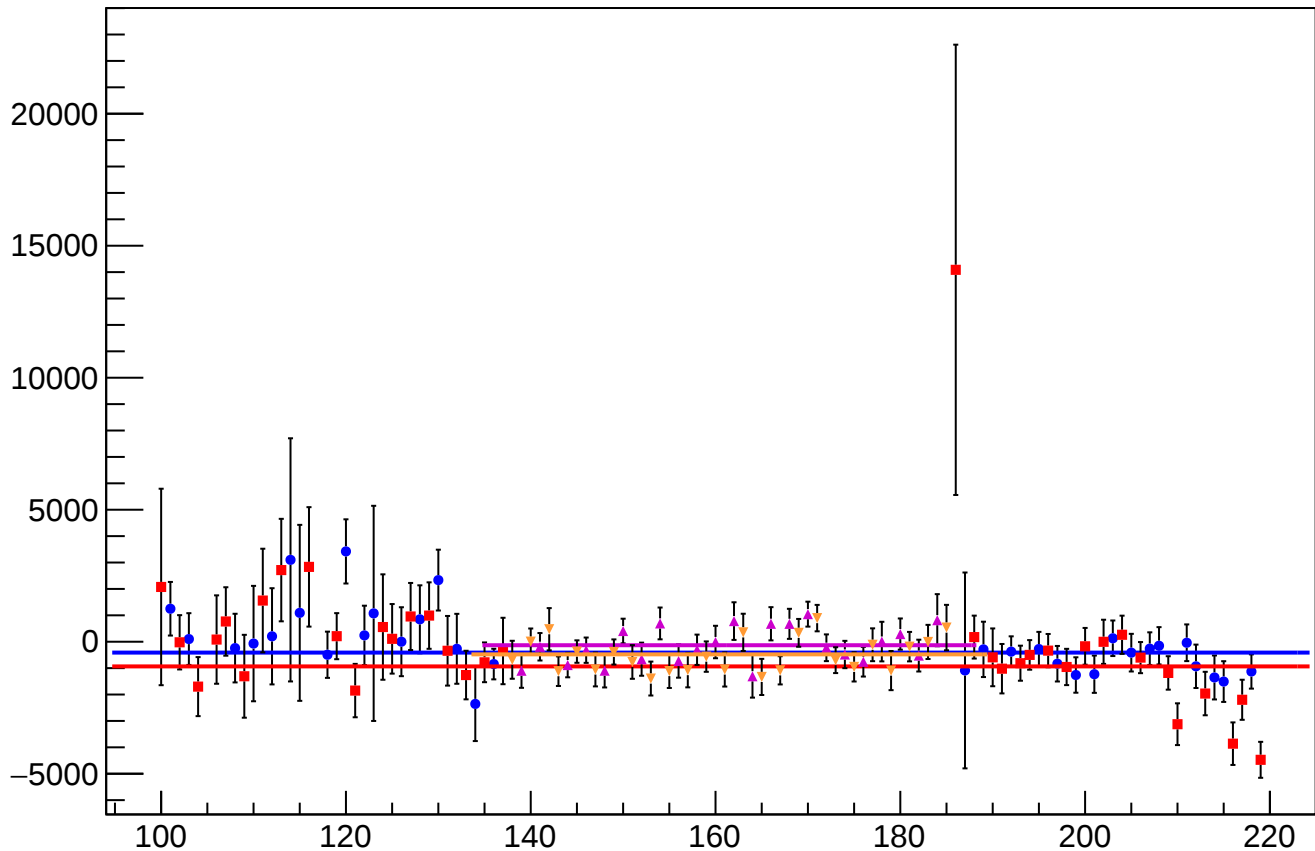
Left In: 490.910 ± 0.084 χ^2/NDF : 589235.5/22

+ sign 542.665 ± 0.065 χ^2/NDF : 3105186.4/57

All: 544.477 ± 0.046 χ^2/NDF : 6847453.1/117

- sign 546.307 ± 0.065 χ^2/NDF : 3740706.0/59

asym_sam_26_48_dd_mean vs Slug



Right In: -411.645 ± 153.080 χ^2/NDF : 33.0/32

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -934.825 ± 148.600 χ^2/NDF : 85.3/36

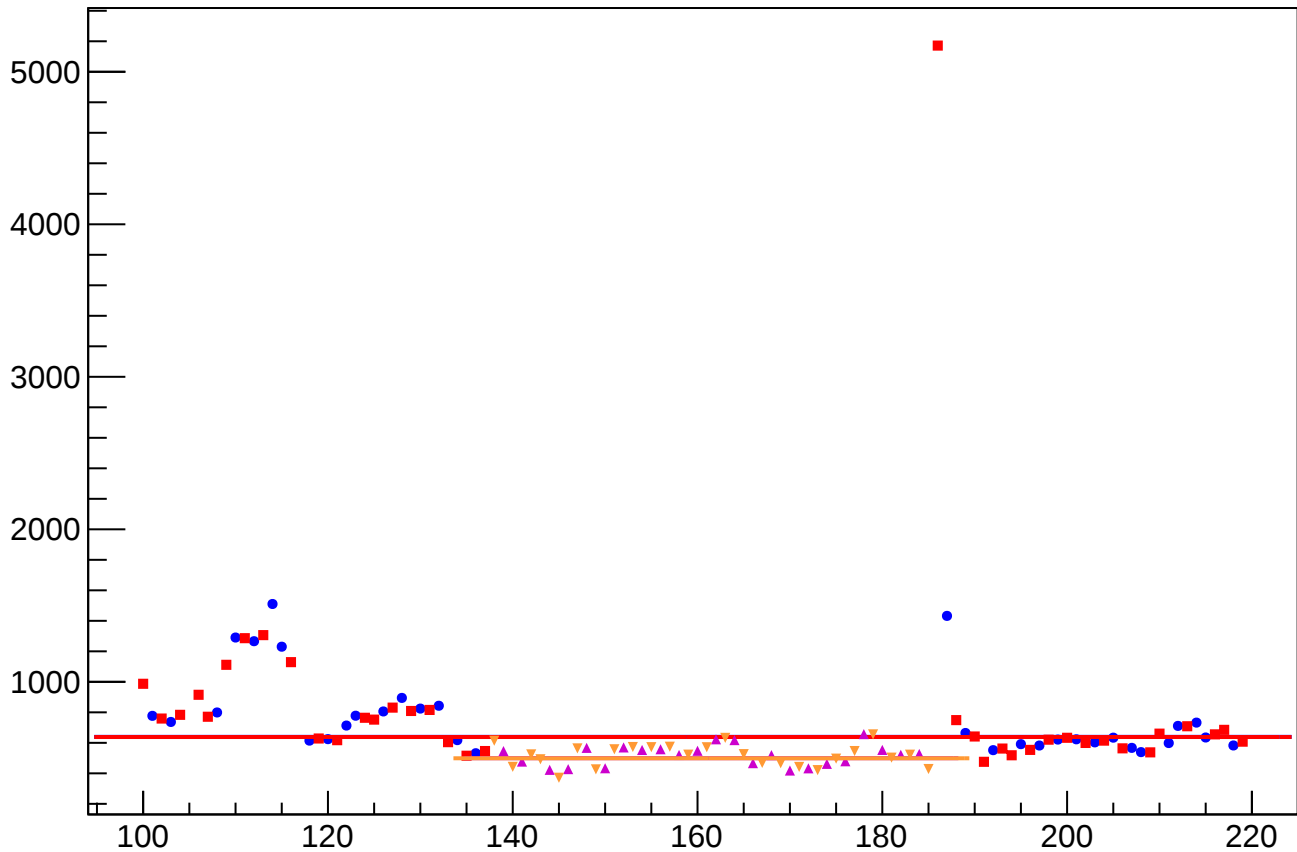
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -453.481 ± 93.287 χ^2/NDF : 60.9/57

All: -452.733 ± 66.133 χ^2/NDF : 193.3/117

- sign -451.978 ± 93.766 χ^2/NDF : 132.4/59

asym_sam_26_48_dd_rms vs Slug



Right In: 639.207 ± 0.108 χ^2/NDF : 1229426.2/32

Left Out: 498.754 ± 0.083 χ^2/NDF : 734302.8/24

Right Out: 638.152 ± 0.105 χ^2/NDF : 2030178.3/36

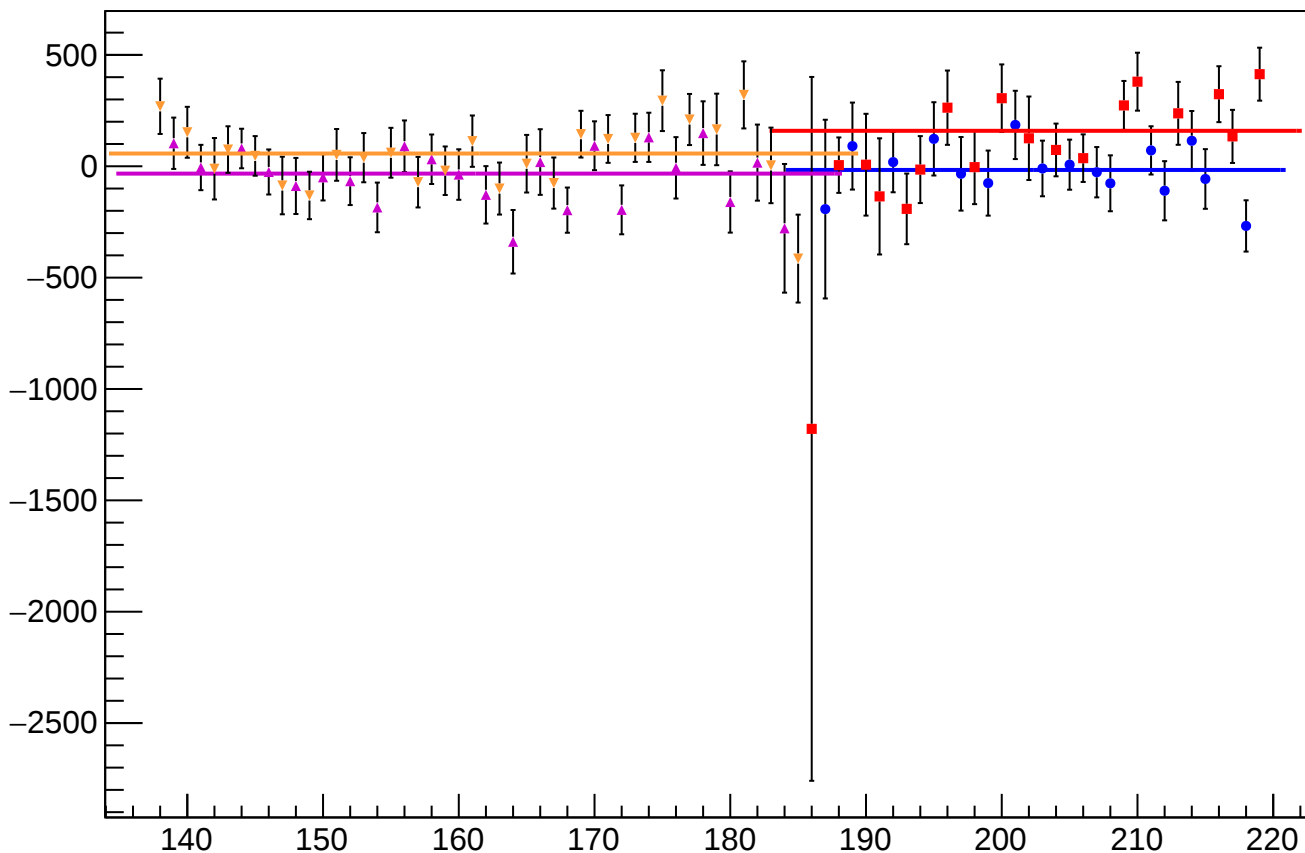
Left In: 499.393 ± 0.085 χ^2/NDF : 576539.2/22

+ sign 550.914 ± 0.066 χ^2/NDF : 3022117.2/57

All: 552.768 ± 0.047 χ^2/NDF : 6679966.1/117

- sign 554.641 ± 0.066 χ^2/NDF : 3656261.1/59

reg_asym_sam_1548_avg_mean vs Slug



Right In: -16.513 ± 34.026 χ^2/NDF : 10.4/15

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: 159.212 ± 33.662 χ^2/NDF : 25.0/17

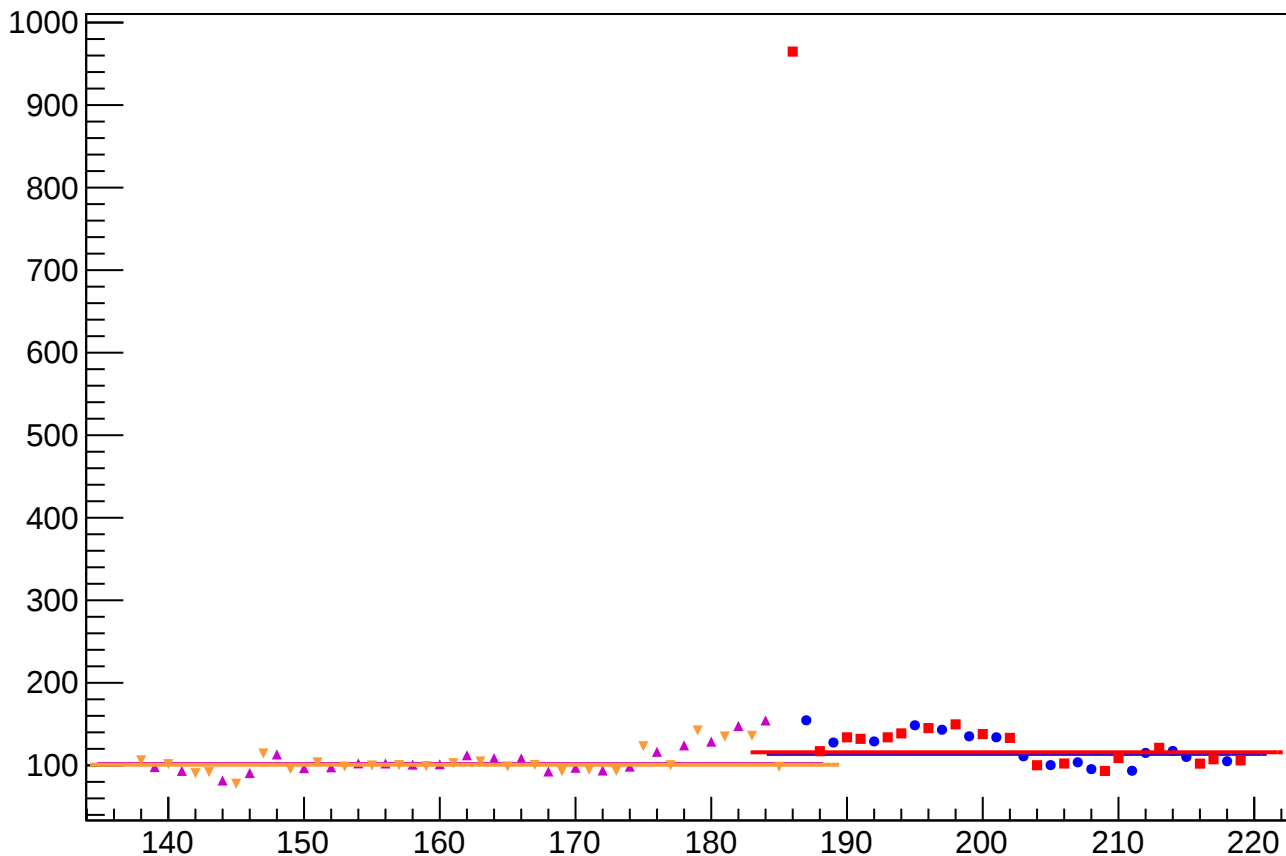
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 33.108 ± 19.455 χ^2/NDF : 42.8/40

All: 33.498 ± 13.896 χ^2/NDF : 112.6/81

- sign 33.904 ± 19.855 χ^2/NDF : 69.8/40

reg_asym_sam_1548_avg_rms vs Slug



Right In: 113.973 $\pm$ 0.024 χ^2 /NDF: 459584.6/15

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF:600502.4/24

Right Out: 115.835 $\pm$ 0.024 χ^2 /NDF: 1083551.3/17

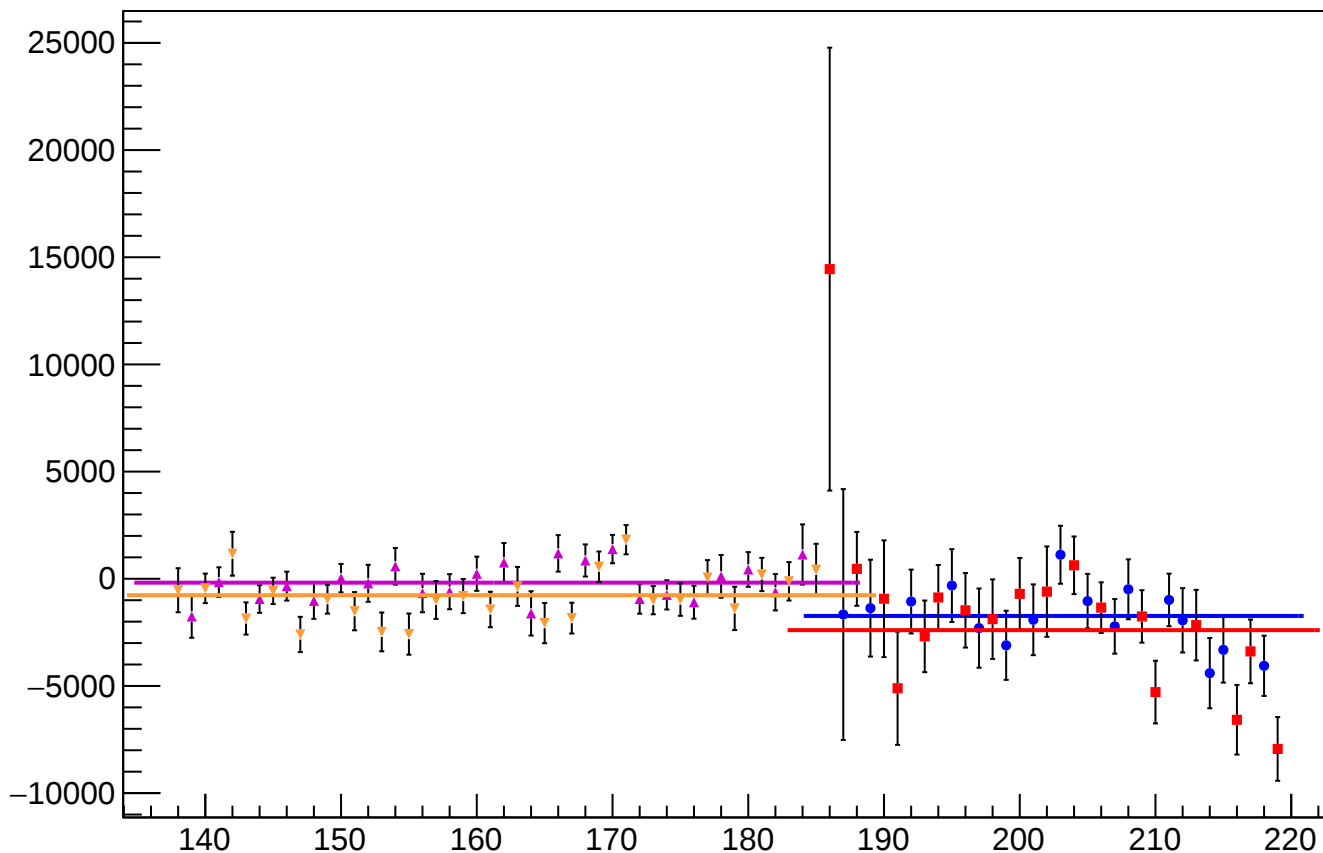
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF:582329.3/22

+ sign 105.107 $\pm$ 0.014 χ^2 /NDF: 1261836.6/40

All: 105.822 $\pm$ 0.010 χ^2 /NDF: 3165763.6/81

- sign 106.567 $\pm$ 0.014 χ^2 /NDF: 1898411.6/40

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1734.861+/-384.058 χ^2/NDF : 14.3/15

Left Out: -766.358+/-161.066 χ^2/NDF : 46.5/24

Right Out: -2396.501+/-386.877 χ^2/NDF : 40.9/17

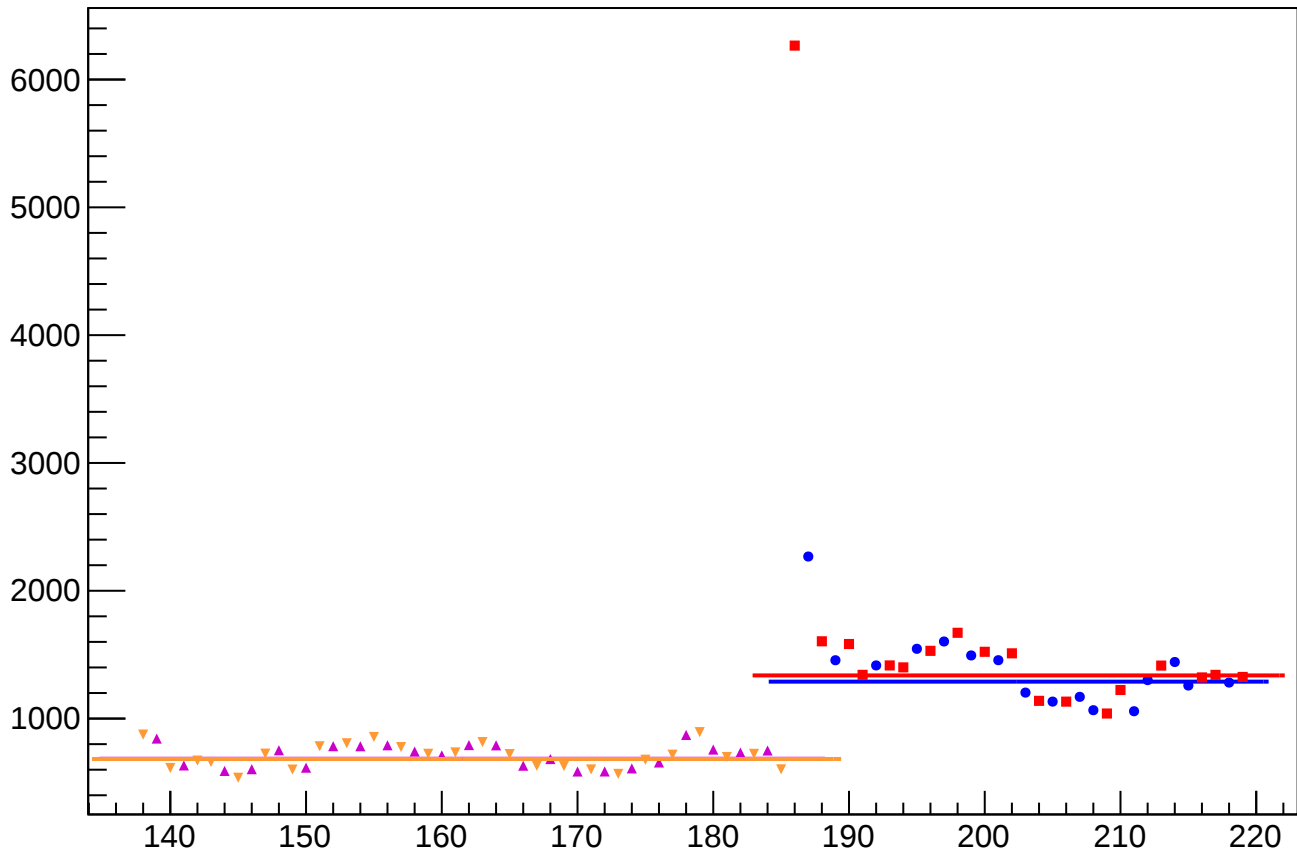
Left In: -181.584+/-165.671 χ^2/NDF : 25.0/22

+ sign -911.219+/-148.533 χ^2/NDF : 66.2/40

All: -722.845+/-106.334 χ^2/NDF : 163.2/81

- sign -524.809+/-152.295 χ^2/NDF : 93.6/40

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1289.090 $\pm$ 0.272 χ^2 /NDF: 434782.3/15

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1337.716 $\pm$ 0.274 χ^2 /NDF: 893571.0/17

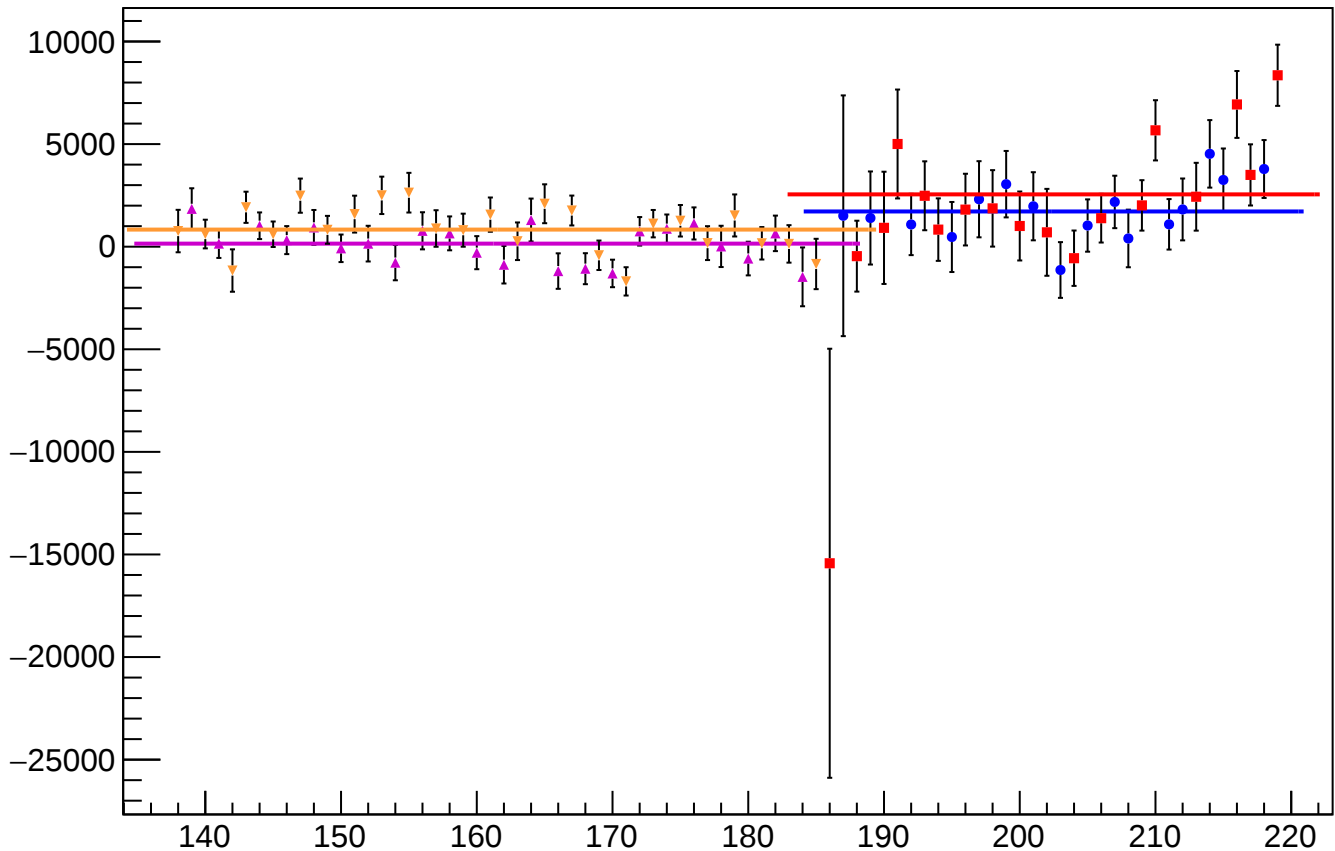
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 774.407 $\pm$ 0.105 χ^2 /NDF: 5325504.5/40

All: 780.373 $\pm$ 0.075 χ^2 /NDF: 11557021.2/83

- sign 786.646 $\pm$ 0.108 χ^2 /NDF: 6224896.0/40

asym_sam_1548_avg_mean vs Slug



Right In: 1716.768 $\pm$ 385.618 χ^2 /NDF: 13.6/15

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 2549.542 $\pm$ 388.432 χ^2 /NDF: 44.2/17

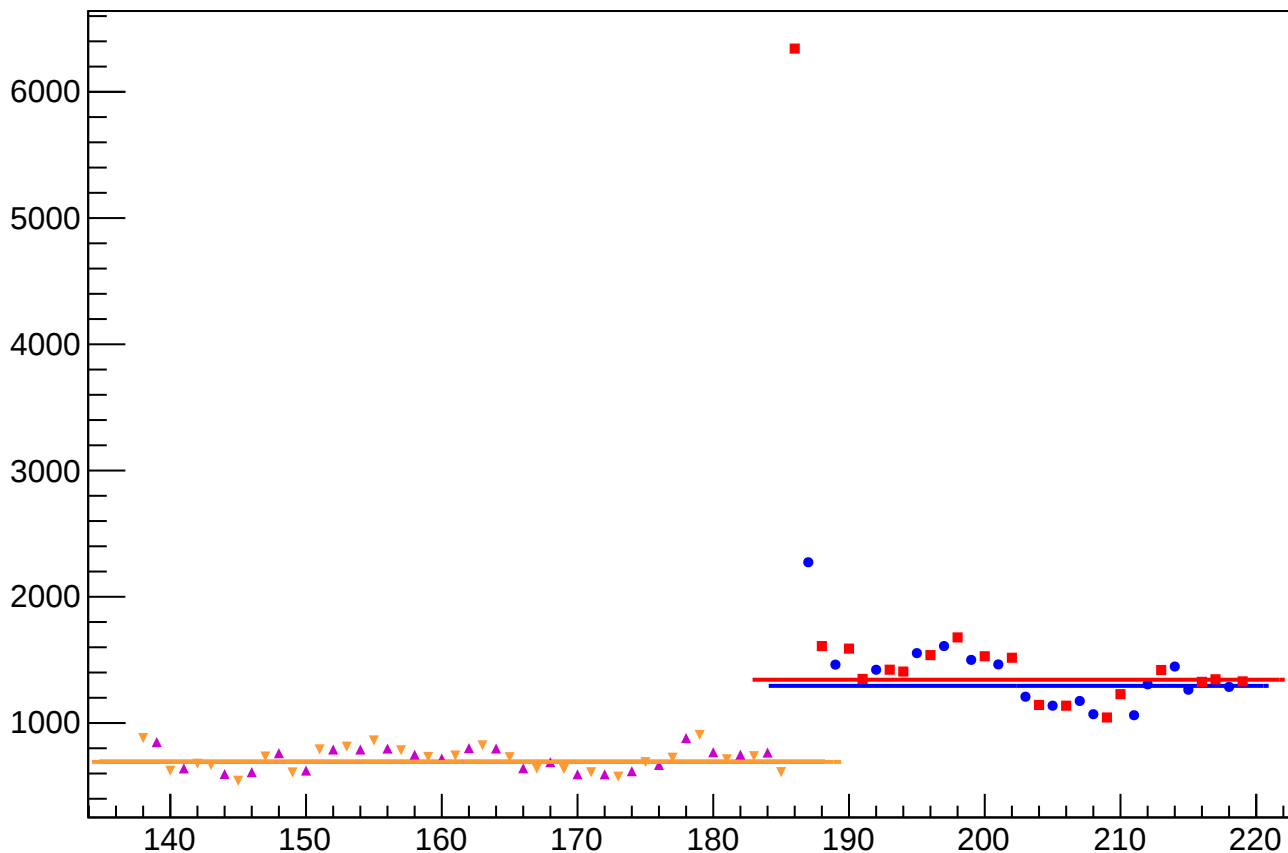
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 967.255 $\pm$ 150.111 χ^2 /NDF: 61.2/40

All: 752.050 $\pm$ 107.466 χ^2 /NDF: 167.9/81

- sign 525.783 $\pm$ 153.920 χ^2 /NDF: 102.4/40

asym_sam_1548_avg_rms vs Slug



Right In: 1294.326+/-0.273 χ^2/NDF : 435267.7/15

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1343.055+/-0.275 χ^2/NDF : 896057.7/17

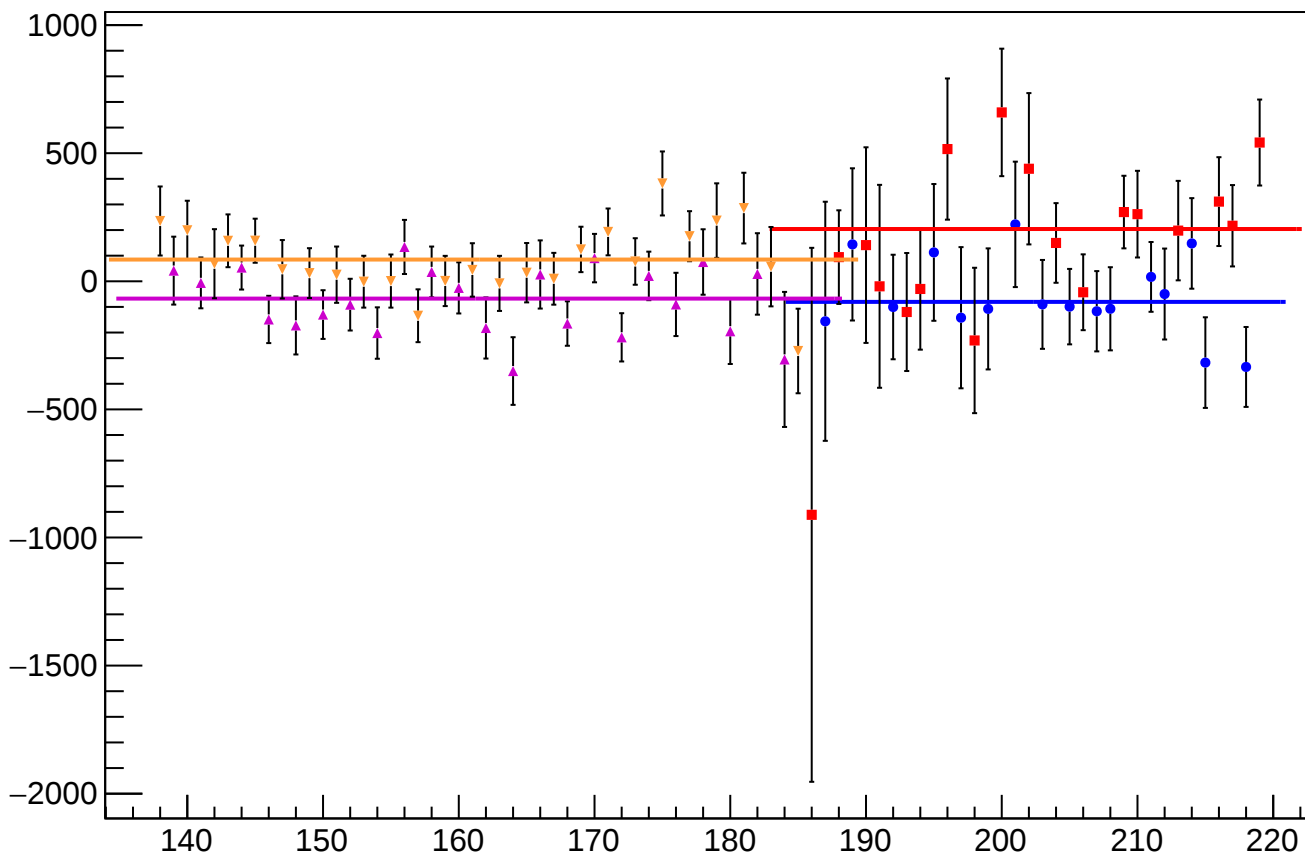
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 783.354+/-0.106 χ^2/NDF : 5231309.0/40

All: 789.423+/-0.076 χ^2/NDF : 11365440.3/83

- sign 795.804+/-0.109 χ^2/NDF : 6127424.8/40

reg_asym_sam_3748_avg_mean vs Slug



Right In: -80.363 ± 47.111 χ^2/NDF : 9.5/15

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 204.063 ± 47.632 χ^2/NDF : 20.1/17

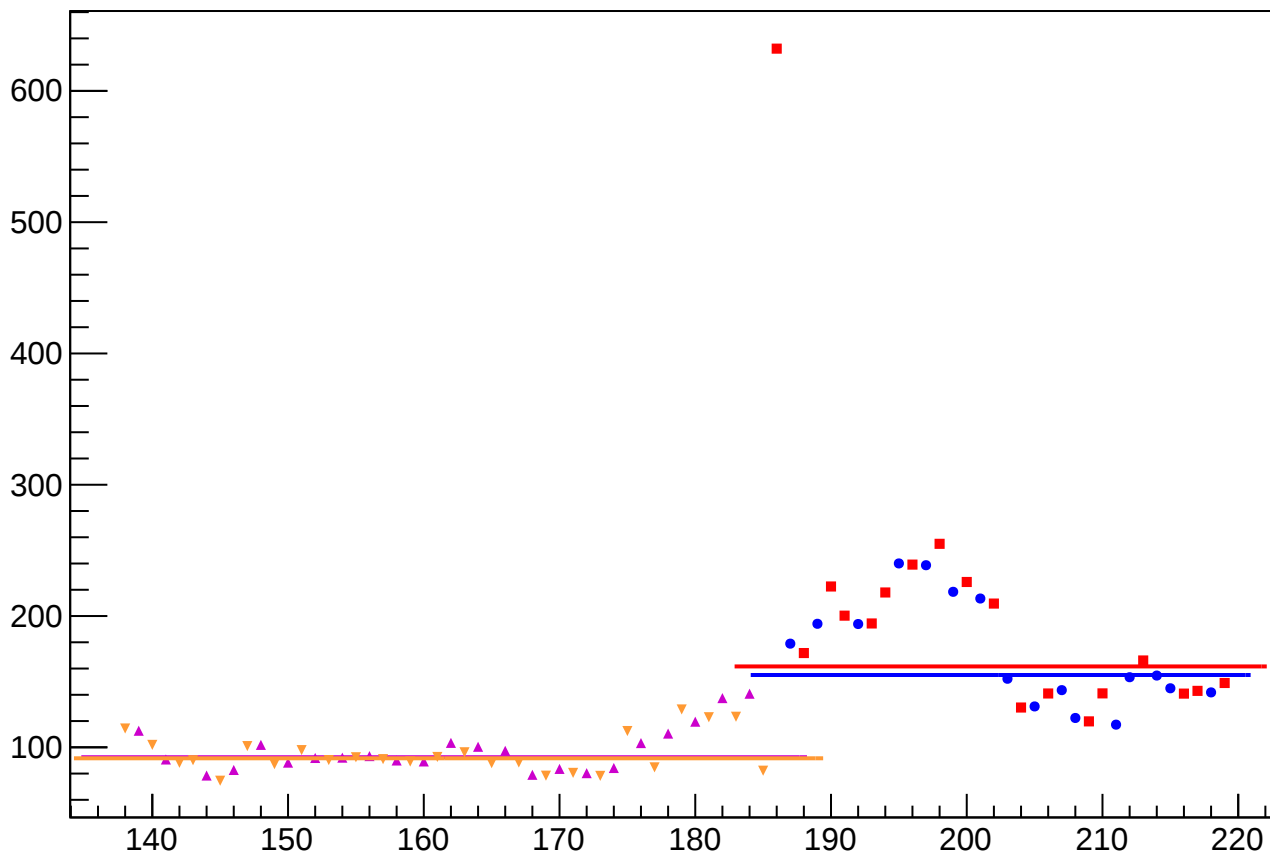
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 56.066 ± 19.667 χ^2/NDF : 48.1/40

All: 20.130 ± 14.127 χ^2/NDF : 130.6/81

- sign -18.184 ± 20.307 χ^2/NDF : 75.6/40

reg_asym_sam_3748_avg_rms vs Slug



Right In: 155.082 $\pm$ 0.033 χ^2/NDF : 1077391.5/15

Left Out: 91.633 $\pm$ 0.015 χ^2/NDF : 693122.0/24

Right Out: 161.607 $\pm$ 0.034 χ^2/NDF : 1591226.8/17

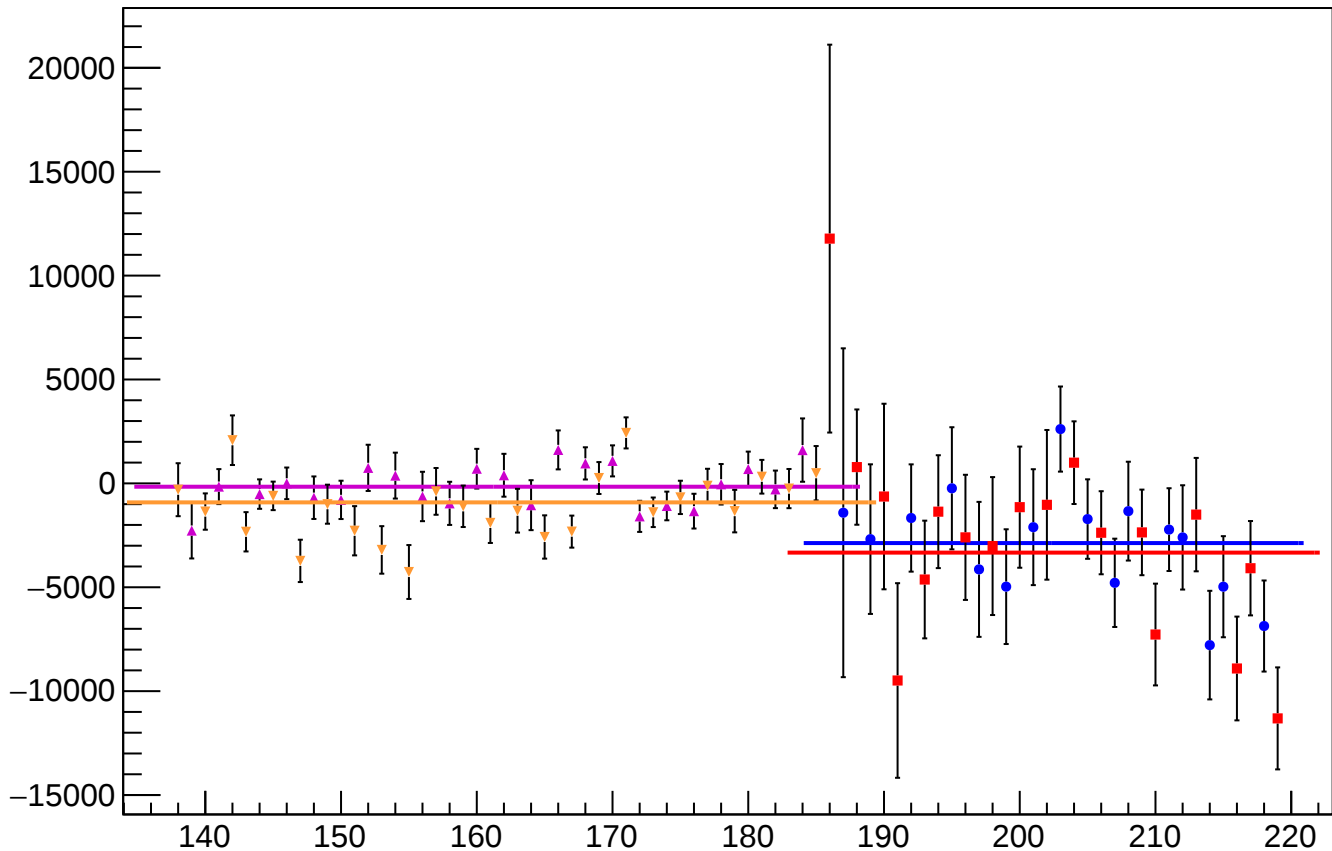
Left In: 92.466 $\pm$ 0.016 χ^2/NDF : 655700.4/22

+ sign 102.690 $\pm$ 0.014 χ^2/NDF : 4766142.1/40

All: 103.824 $\pm$ 0.010 χ^2/NDF : 10474983.8/83

- sign 105.033 $\pm$ 0.014 χ^2/NDF : 5695107.5/40

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2872.902 $\pm$ 625.262 χ^2 /NDF: 18.3/15

Left Out: -914.719 $\pm$ 185.341 χ^2 /NDF: 64.2/24

Right Out: -3332.538 $\pm$ 638.465 χ^2 /NDF: 32.6/17

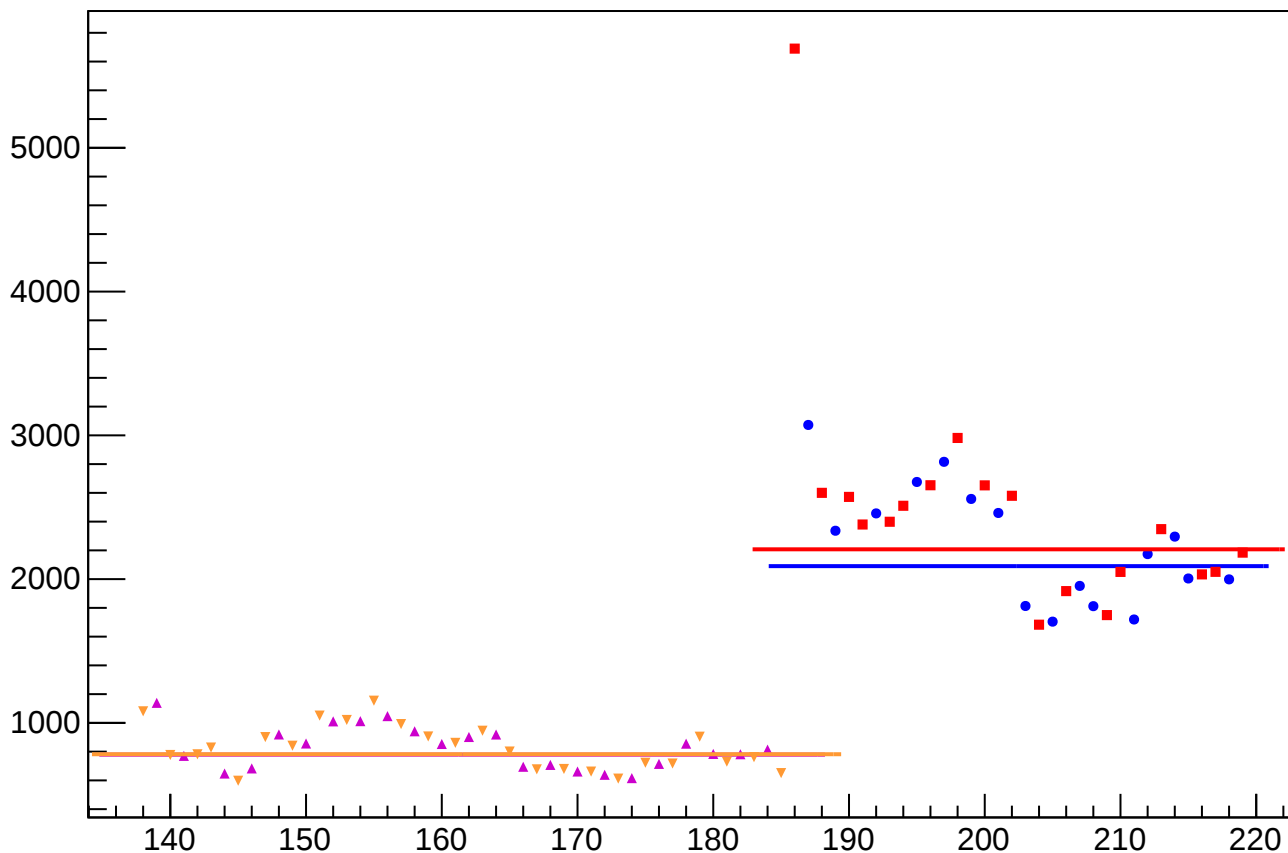
Left In: -161.076 $\pm$ 189.491 χ^2 /NDF: 25.1/22

+ sign -1072.879 $\pm$ 177.698 χ^2 /NDF: 91.5/40

All: -752.567 $\pm$ 127.029 χ^2 /NDF: 178.5/81

- sign -417.819 $\pm$ 181.659 χ^2 /NDF: 80.3/40

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2090.332 $\pm$ 0.442 χ^2 /NDF: 596137.8/15

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2207.331 $\pm$ 0.451 χ^2 /NDF: 902161.2/17

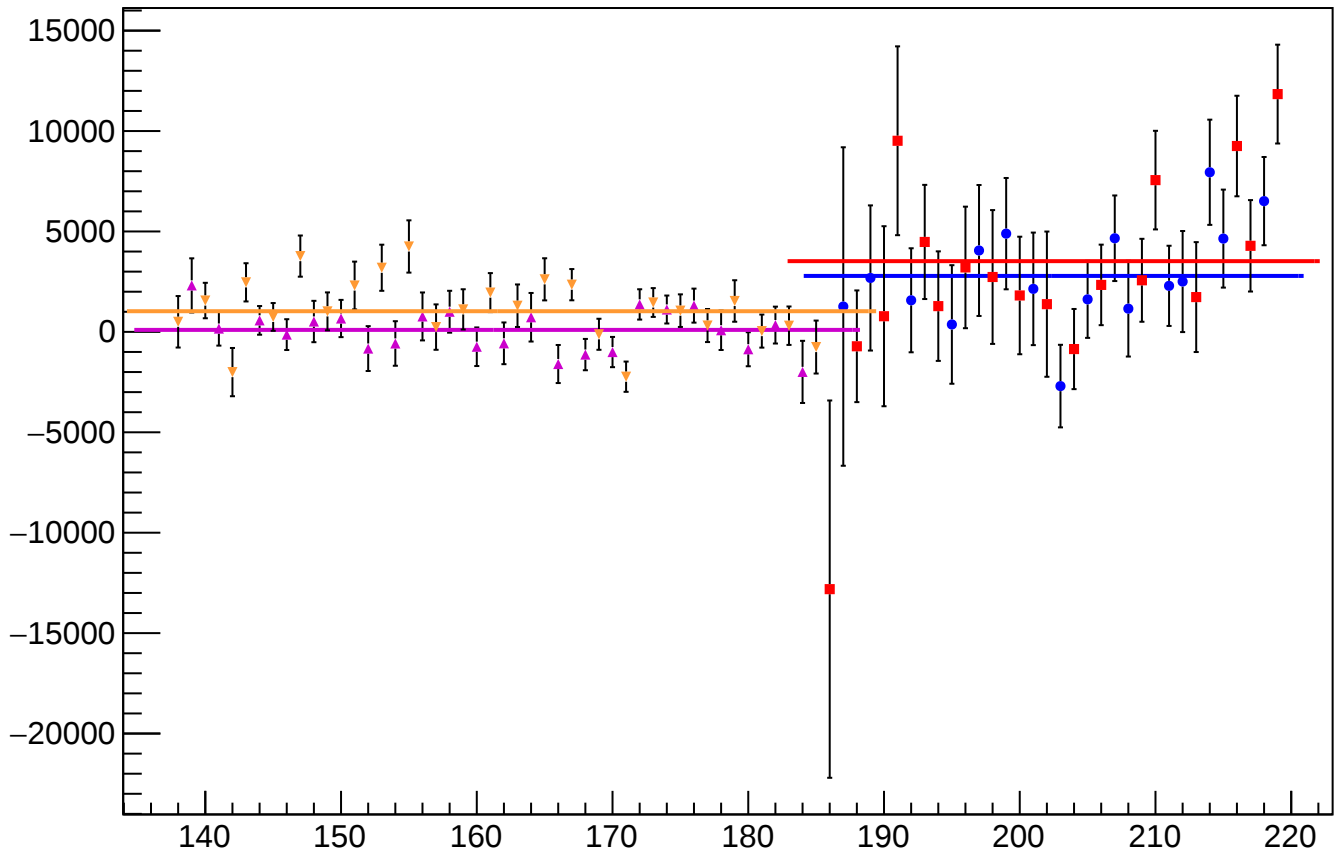
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 887.711 $\pm$ 0.126 χ^2 /NDF: 9776068.8/40

All: 891.091 $\pm$ 0.090 χ^2 /NDF: 20859239.2/83

- sign 894.624 $\pm$ 0.128 χ^2 /NDF: 11081690.1/40

asym_sam_3748_avg_mean vs Slug



Right In: 2786.097 $\pm$ 627.192 χ^2 /NDF: 17.8/15

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF: 60.2/24

Right Out: 3521.611 $\pm$ 640.416 χ^2 /NDF: 34.2/17

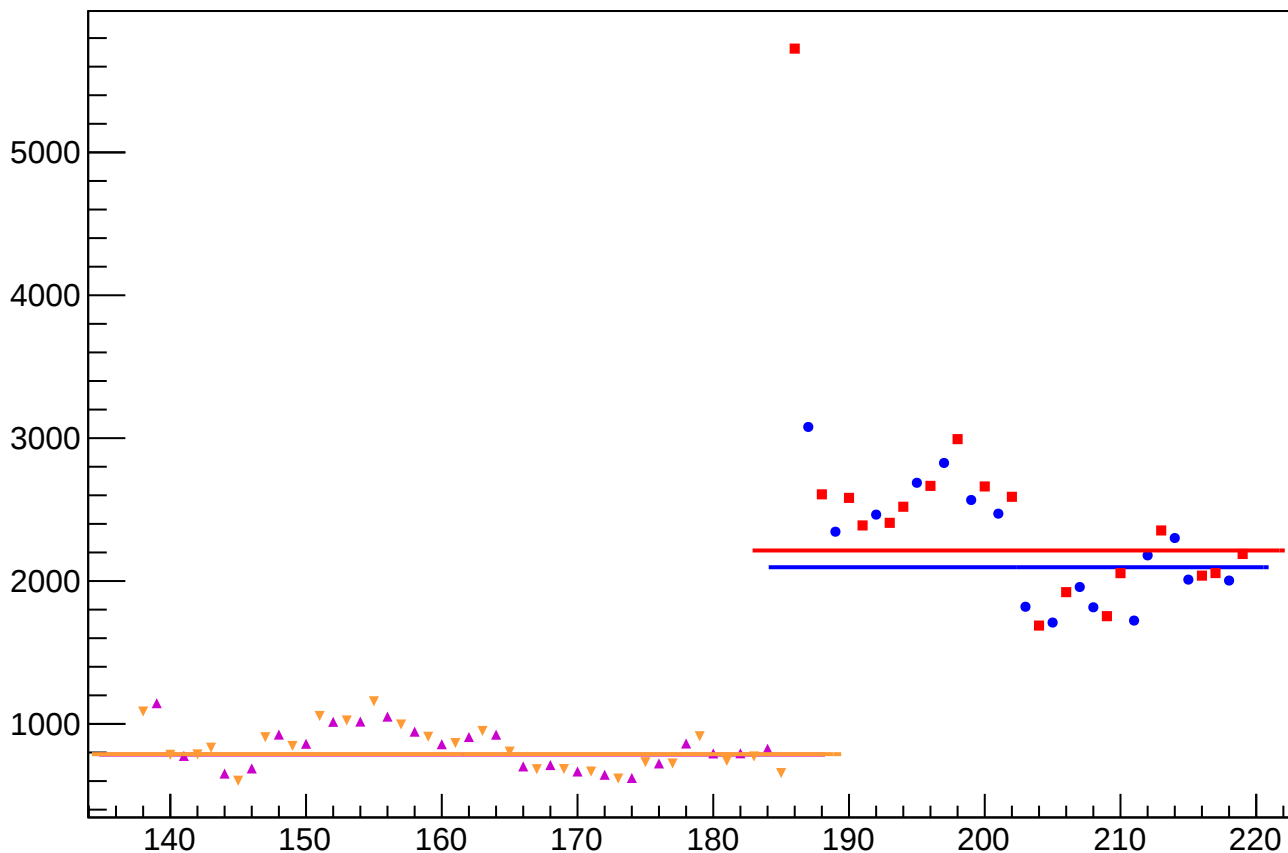
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF: 25.4/22

+ sign 1172.055 $\pm$ 179.037 χ^2 /NDF: 85.2/40

All: 784.017 $\pm$ 127.996 χ^2 /NDF: 180.6/81

- sign 378.360 $\pm$ 183.057 χ^2 /NDF: 85.8/40

asym_sam_3748_avg_rms vs Slug



Right In: 2096.665 $\pm$ 0.443 χ^2 /NDF: 598632.8/15

Left Out: 788.442 $\pm$ 0.132 χ^2 /NDF: 1113741.6/24

Right Out: 2213.892 $\pm$ 0.453 χ^2 /NDF: 906331.4/17

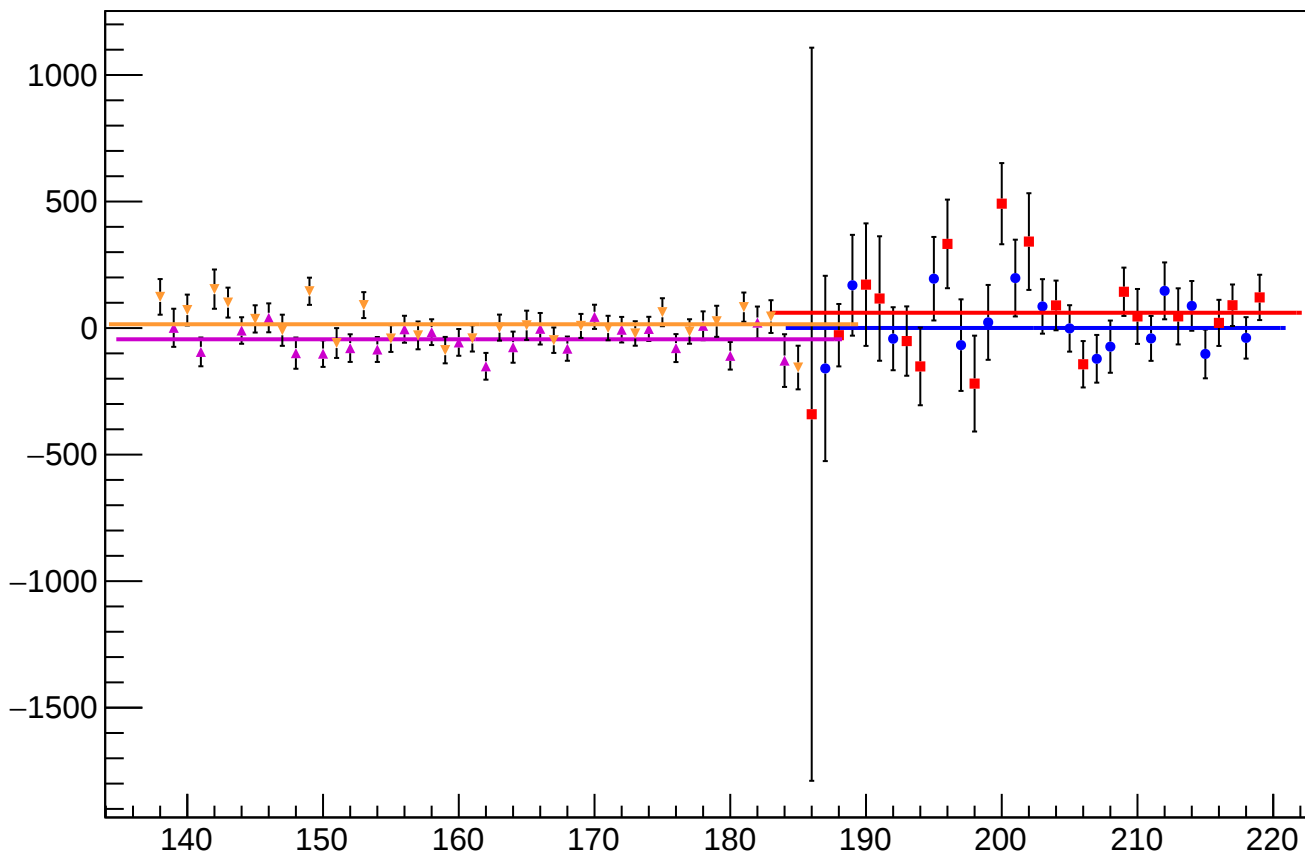
Left In: 785.490 $\pm$ 0.135 χ^2 /NDF: 965338.9/22

+ sign 895.045 $\pm$ 0.127 χ^2 /NDF: 9704800.2/40

All: 898.542 $\pm$ 0.091 χ^2 /NDF: 20714720.3/81

- sign 902.198 $\pm$ 0.129 χ^2 /NDF: 11008359.3/40

reg_asym_sam_1526_avg_mean vs Slug



Right In: 0.417 ± 28.496 χ^2/NDF : 11.1/15

Left Out: 15.099 ± 11.154 χ^2/NDF : 34.2/24

Right Out: 60.531 ± 28.690 χ^2/NDF : 24.0/17

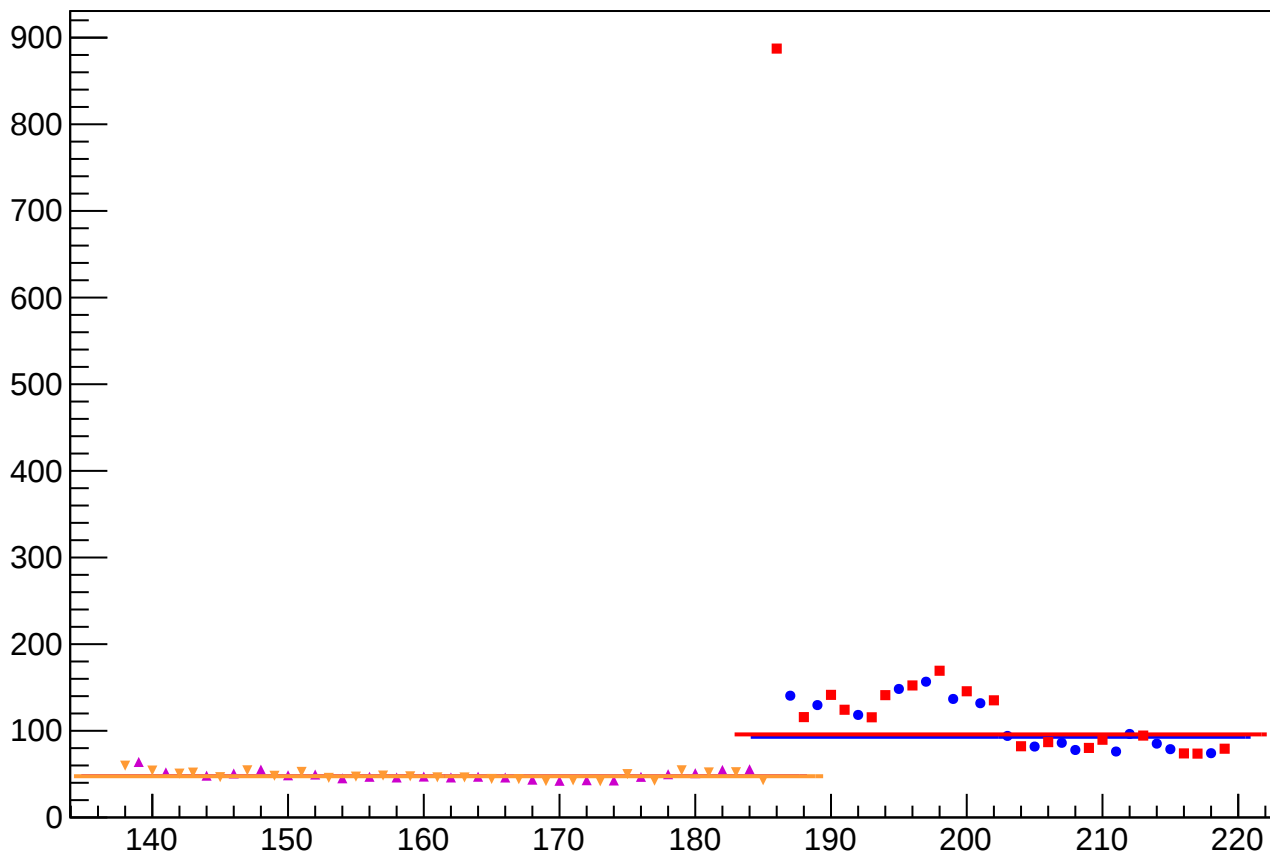
Left In: -44.297 ± 11.530 χ^2/NDF : 22.3/22

+ sign 13.148 ± 10.387 χ^2/NDF : 45.6/40

All: -7.654 ± 7.452 χ^2/NDF : 111.6/81

- sign -29.722 ± 10.698 χ^2/NDF : 57.8/40

reg_asym_sam_1526_avg_rms vs Slug



Right In: 93.112 $\pm$ 0.020 χ^2 /NDF: 1282619.1/15

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 95.847 $\pm$ 0.020 χ^2 /NDF: 2198049.1/17

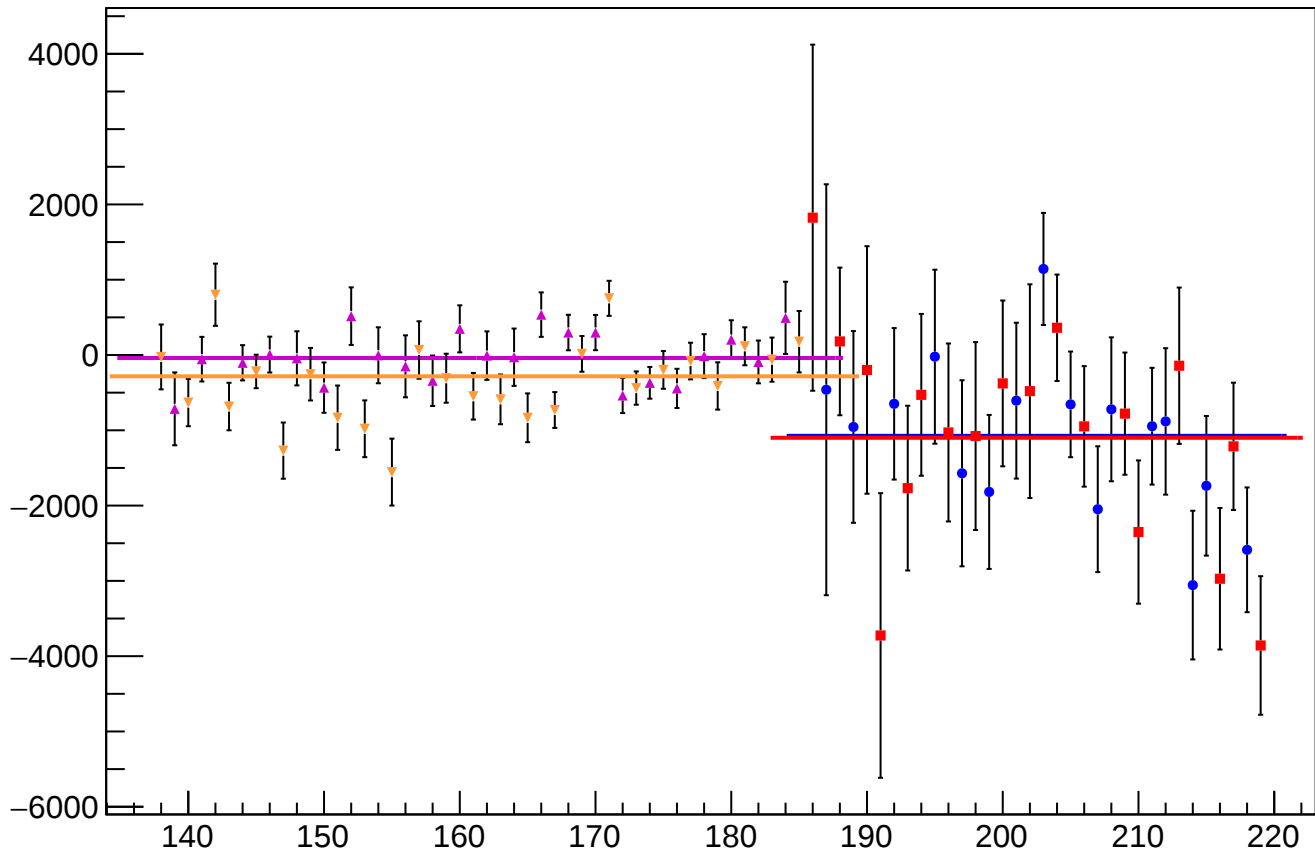
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 53.635 $\pm$ 0.007 χ^2 /NDF: 6021989.3/40

All: 54.065 $\pm$ 0.005 χ^2 /NDF: 13328919.5/81

- sign 54.520 $\pm$ 0.008 χ^2 /NDF: 7299877.9/40

asym_sam_1526_avg_correction_mean vs Slug



Right In: -1073.483 $\pm$ 237.286 χ^2/NDF : 20.6/15

Left Out: -282.798 $\pm$ 59.690 χ^2/NDF : 66.5/24

Right Out: -1099.211 $\pm$ 241.932 χ^2/NDF : 26.8/17

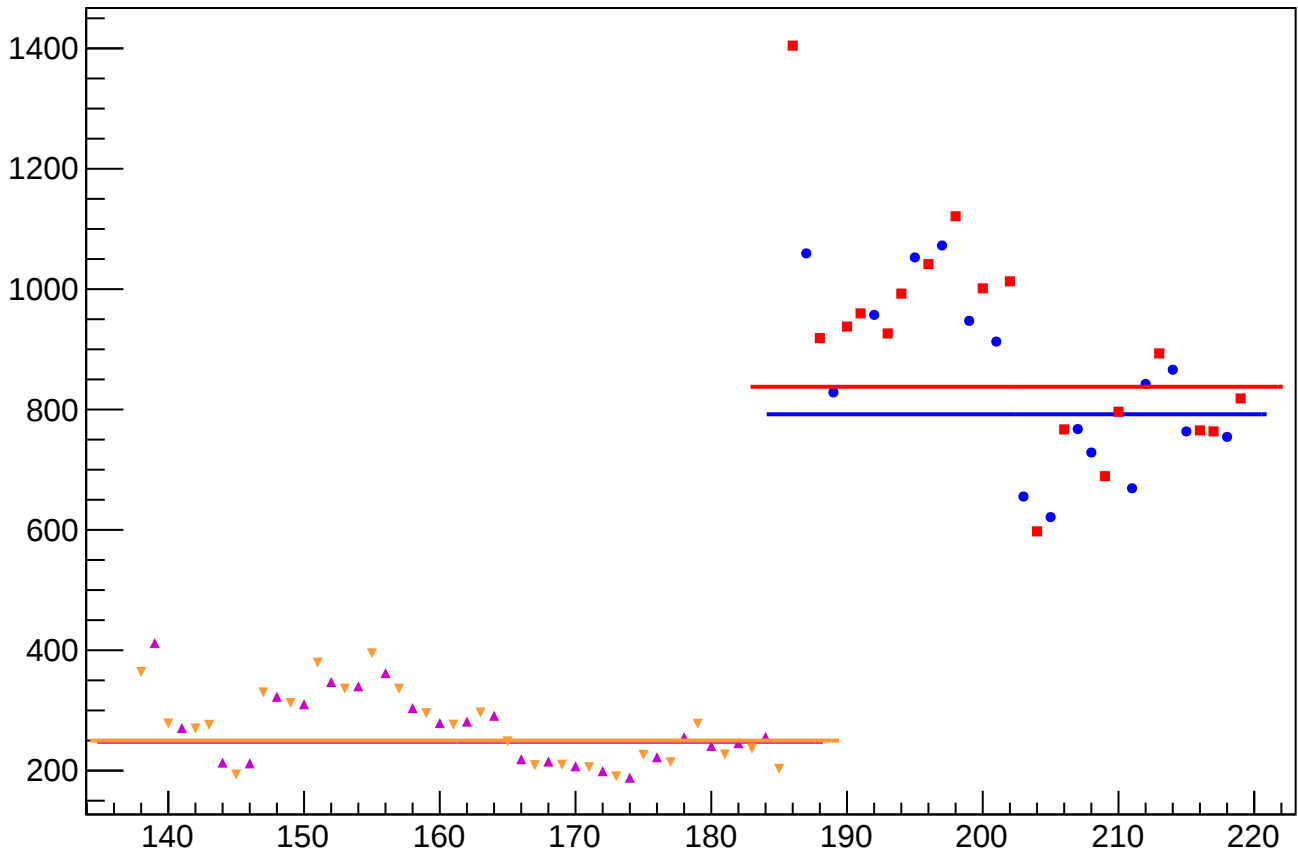
Left In: -39.432 $\pm$ 60.759 χ^2/NDF : 27.5/22

+ sign -329.854 $\pm$ 57.886 χ^2/NDF : 97.6/40

All: -218.111 $\pm$ 41.296 χ^2/NDF : 177.6/81

- sign -102.308 $\pm$ 58.929 χ^2/NDF : 72.4/40

asym_sam_1526_avg_correction_rms vs Slug



Right In: 792.081 $\pm$ 0.168 χ^2 /NDF: 622172.1/15

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF:1614205.9/24

Right Out: 837.781 $\pm$ 0.171 χ^2 /NDF: 794013.0/17

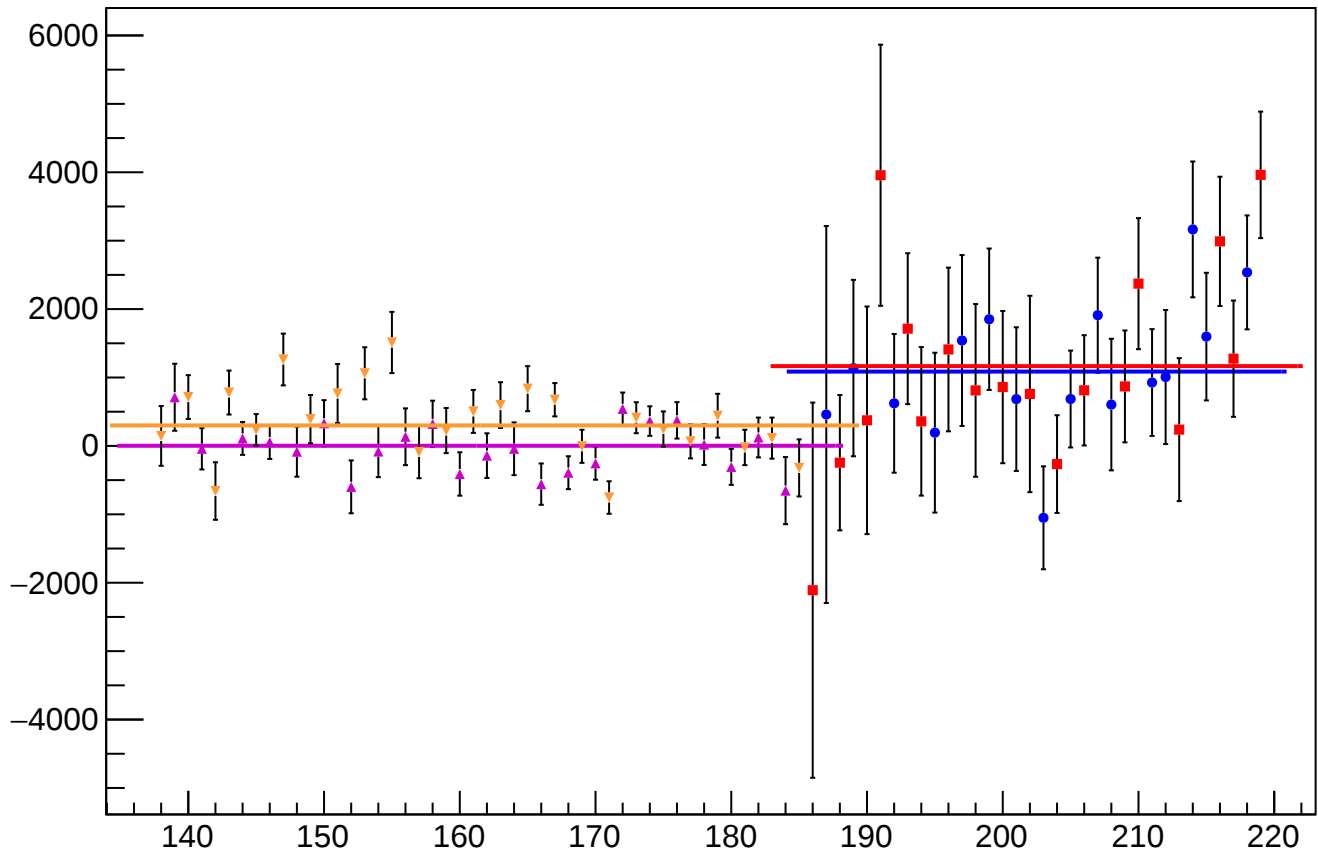
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF:1410847.5/22

+ sign 282.220 $\pm$ 0.041 χ^2 /NDF: 12054654.2/40

All: 282.560 $\pm$ 0.029 χ^2 /NDF: 25443329.5/83

- sign 282.913 $\pm$ 0.042 χ^2 /NDF: 13388534.3/40

asym_sam_1526_avg_mean vs Slug



Right In: 1086.556 ± 239.284 χ^2/NDF : 19.0/15

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 1166.350 ± 244.294 χ^2/NDF : 26.5/17

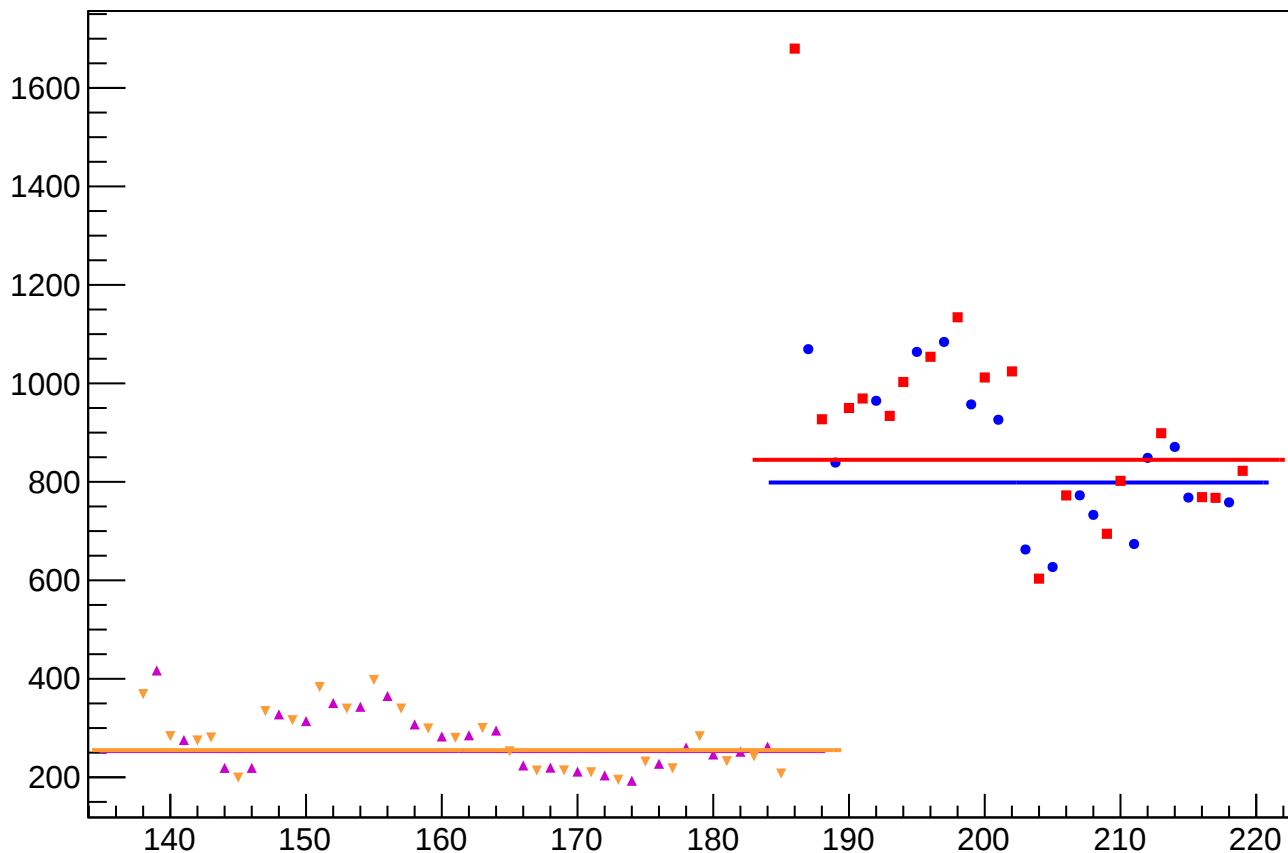
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 347.379 ± 58.982 χ^2/NDF : 91.7/40

All: 212.588 ± 42.096 χ^2/NDF : 179.3/81

- sign 72.643 ± 60.099 χ^2/NDF : 77.0/40

asym_sam_1526_avg_rms vs Slug



Right In: 798.664 $\pm$ 0.169 χ^2 /NDF: 626935.1/15

Left Out: 255.135 $\pm$ 0.043 χ^2 /NDF: 1542039.5/24

Right Out: 844.769 $\pm$ 0.173 χ^2 /NDF: 865991.5/17

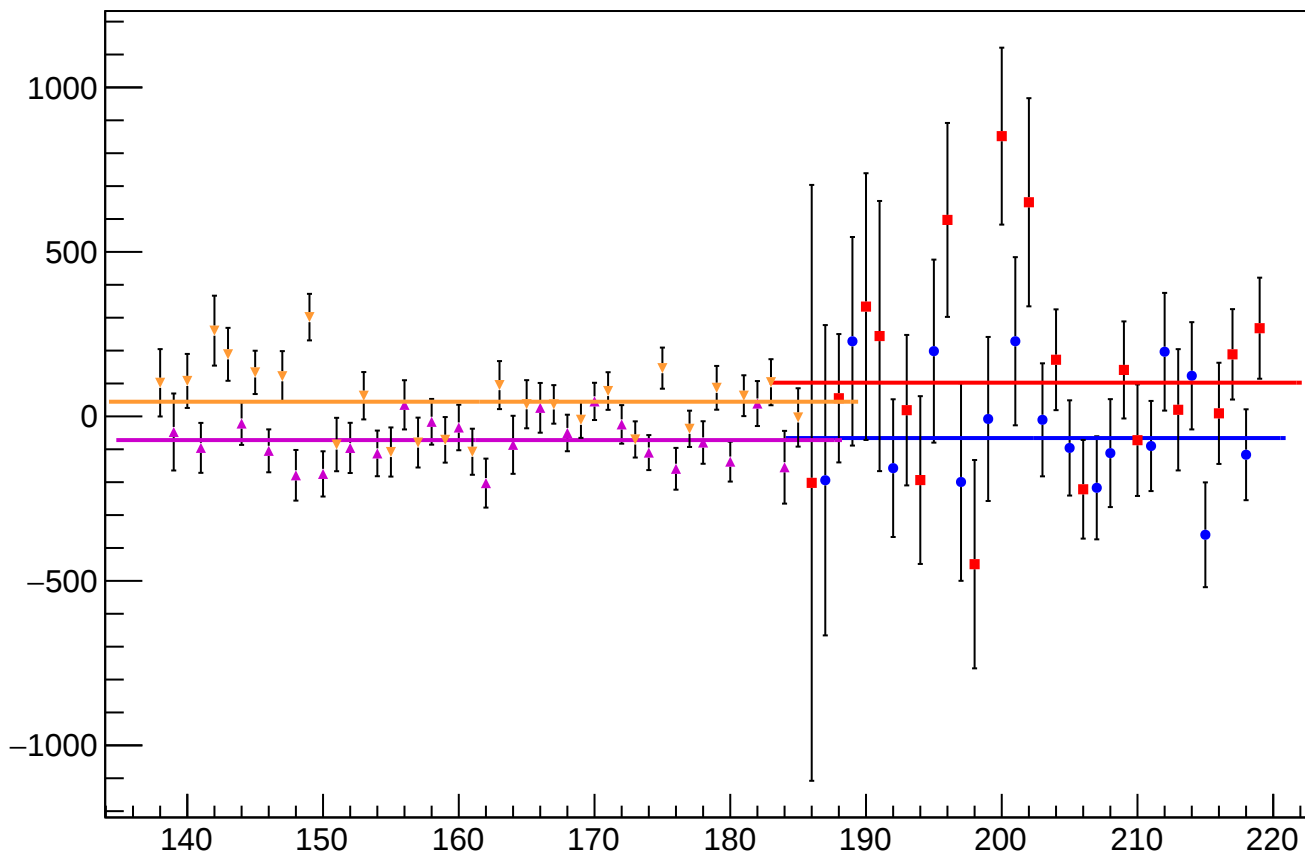
Left In: 253.287 $\pm$ 0.044 χ^2 /NDF: 1341662.3/22

+ sign 288.159 $\pm$ 0.042 χ^2 /NDF: 11861226.0/40

All: 288.614 $\pm$ 0.030 χ^2 /NDF: 25083894.6/83

- sign 289.085 $\pm$ 0.042 χ^2 /NDF: 13222426.9/40

reg_asym_sam_3726_avg_mean vs Slug



Right In: -65.854 ± 46.317 χ^2/NDF : 11.8/15

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 102.459 ± 46.927 χ^2/NDF : 26.8/17

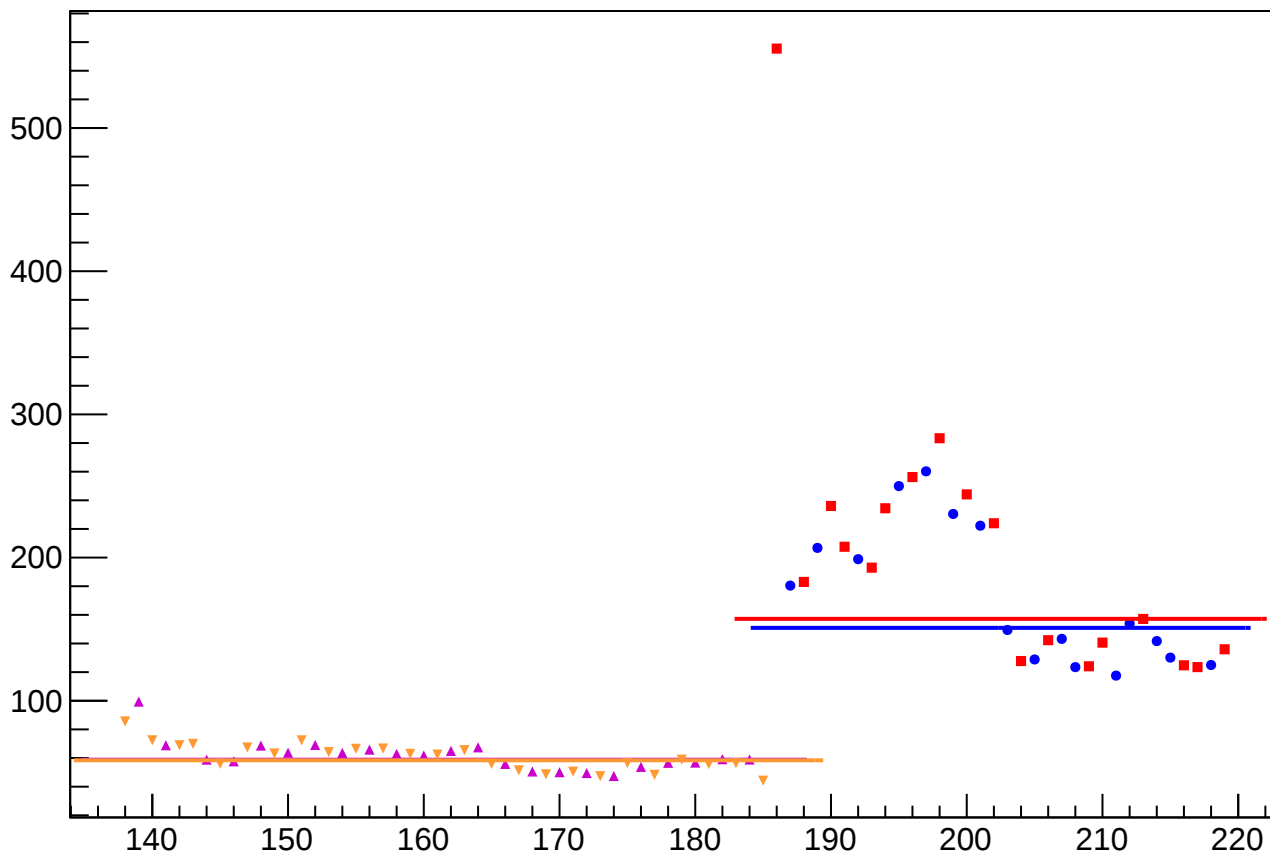
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 35.567 ± 13.247 χ^2/NDF : 71.0/40

All: -9.347 ± 9.515 χ^2/NDF : 159.5/81

- sign -57.217 ± 13.676 χ^2/NDF : 64.8/40

reg_asym_sam_3726_avg_rms vs Slug



Right In: 150.923+/-0.033 χ^2/NDF : 1390238.3/15

Left Out: 58.423+/-0.010 χ^2/NDF : 790091.3/24

Right Out: 157.219+/-0.033 χ^2/NDF : 2062121.8/17

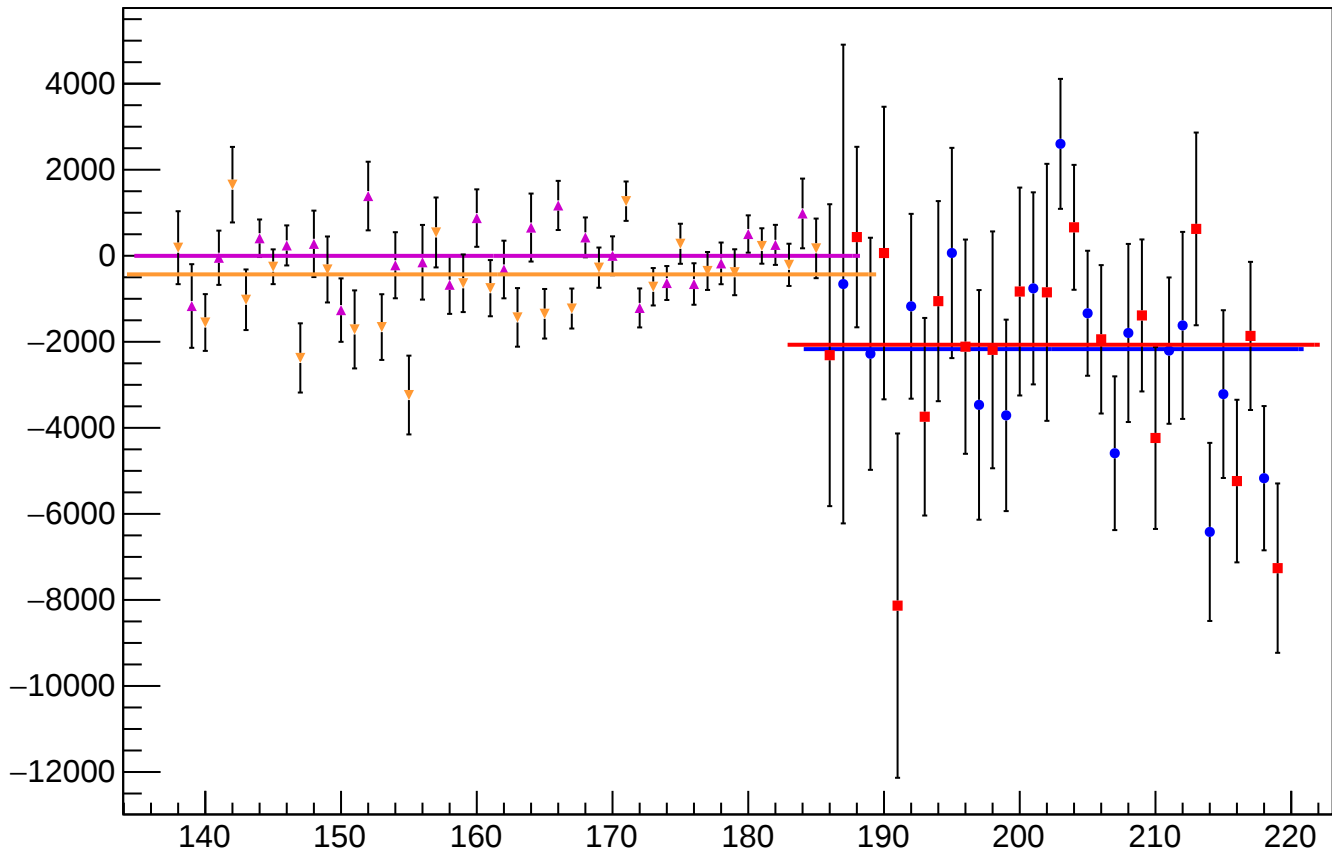
Left In: 58.840+/-0.010 χ^2/NDF : 679925.7/22

+ sign 65.989+/-0.009 χ^2/NDF : 9504779.6/40

All: 66.573+/-0.007 χ^2/NDF : 20298440.5/81

- sign 67.195+/-0.010 χ^2/NDF : 10785636.1/40

asym_sam_3726_avg_correction_mean vs Slug



Right In: -2169.866 $\pm$ 502.220 χ^2/NDF : 22.2/15

Left Out: -432.330 $\pm$ 114.408 χ^2/NDF : 59.4/24

Right Out: -2068.251 $\pm$ 510.462 χ^2/NDF : 21.2/17

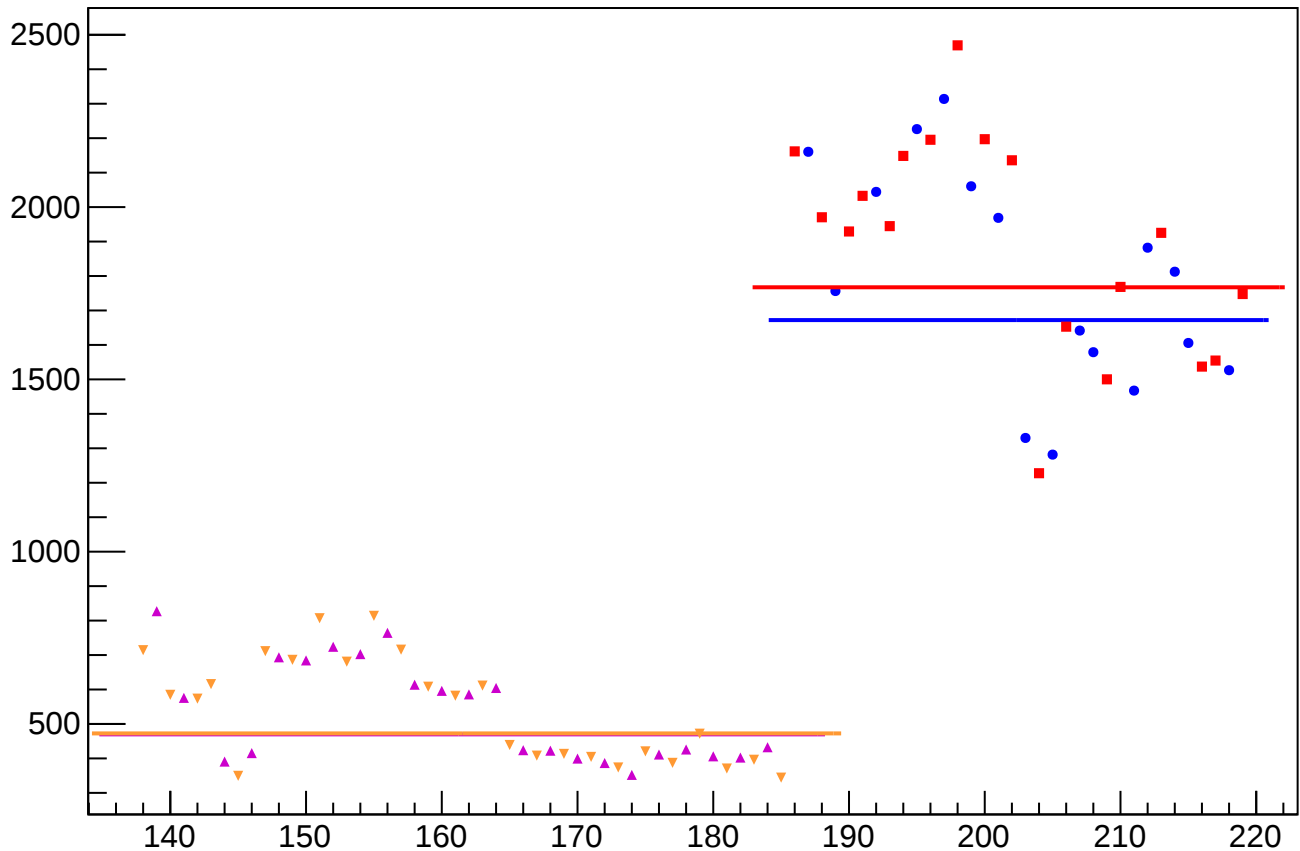
Left In: -1.825 $\pm$ 116.459 χ^2/NDF : 32.3/22

+ sign -518.051 $\pm$ 111.550 χ^2/NDF : 92.9/40

All: -314.718 $\pm$ 79.573 χ^2/NDF : 168.8/81

- sign -104.061 $\pm$ 113.541 χ^2/NDF : 69.1/40

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1672.088 $\pm$ 0.355 χ^2 /NDF: 717879.4/15

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 1767.267 $\pm$ 0.361 χ^2 /NDF: 807117.2/17

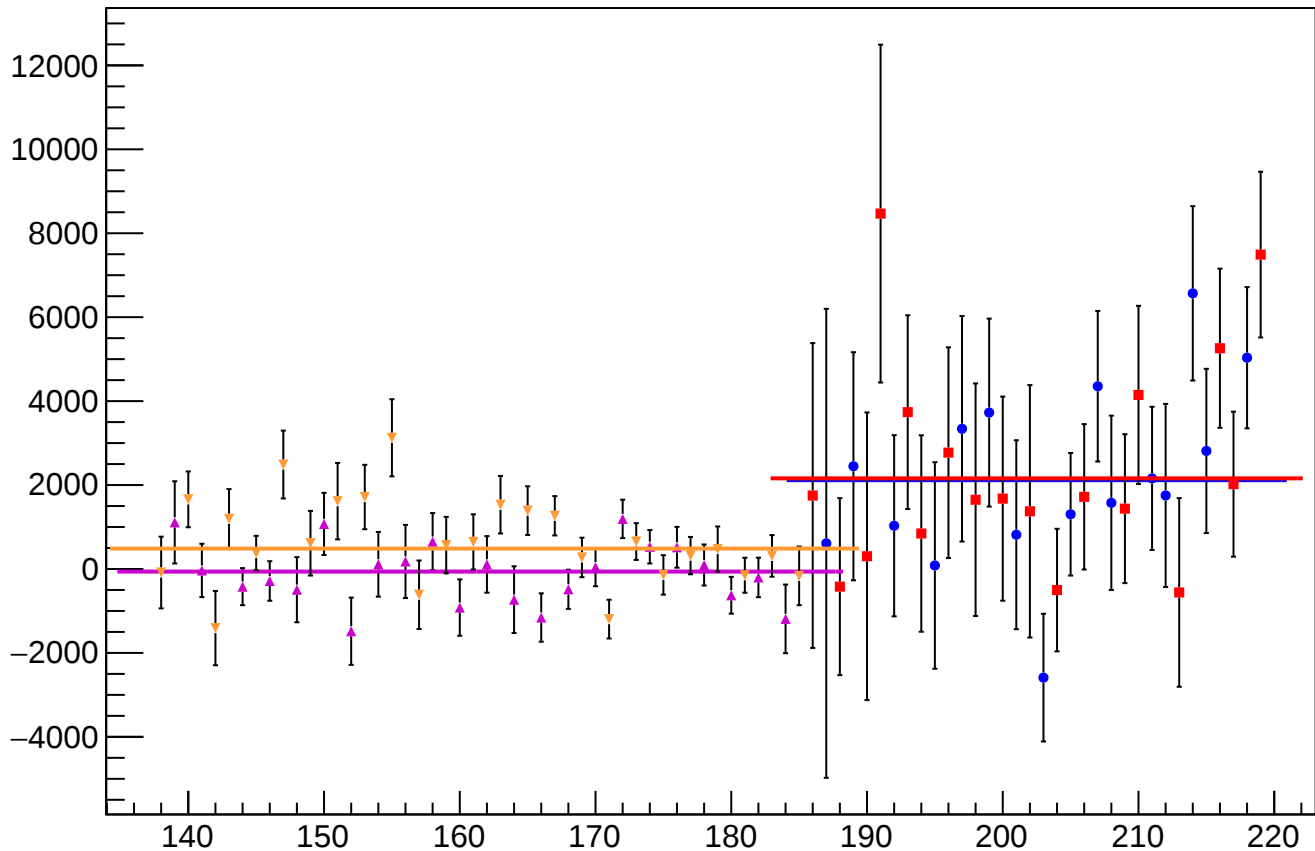
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 531.747 $\pm$ 0.079 χ^2 /NDF: 14072419.0/40

All: 532.831 $\pm$ 0.056 χ^2 /NDF: 29279273.8/83

- sign 533.955 $\pm$ 0.080 χ^2 /NDF: 15206470.0/40

asym_sam_3726_avg_mean vs Slug



Right In: 2116.500 $\pm$ 504.725 χ^2 /NDF: 21.3/15

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 2159.608 $\pm$ 513.232 χ^2 /NDF: 21.1/17

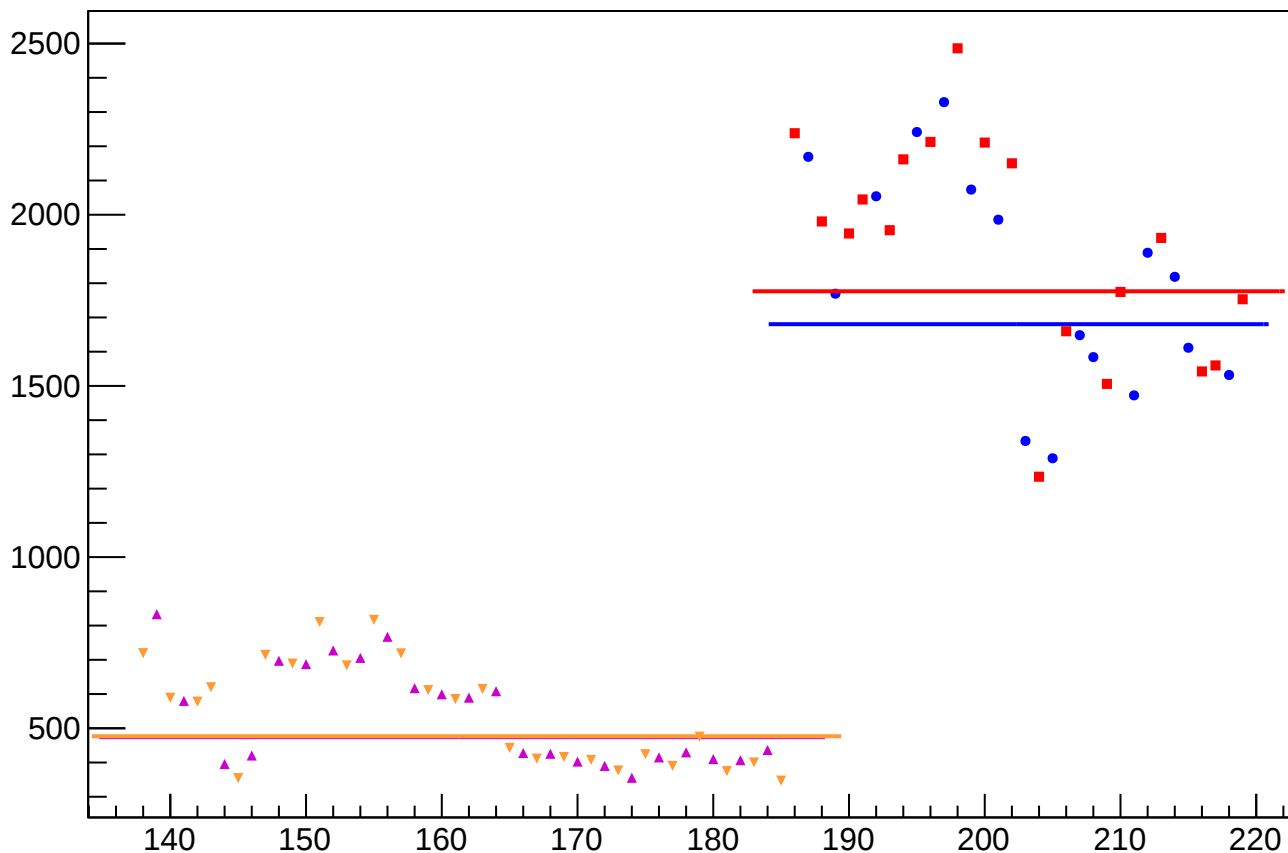
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 567.543 $\pm$ 112.447 χ^2 /NDF: 87.3/40

All: 312.823 $\pm$ 80.224 χ^2 /NDF: 167.8/81

- sign 48.767 $\pm$ 114.489 χ^2 /NDF: 70.1/40

asym_sam_3726_avg_rms vs Slug



Right In: 1680.326+/-0.357 χ^2/NDF : 720511.1/15

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 1776.420+/-0.363 χ^2/NDF : 819802.9/17

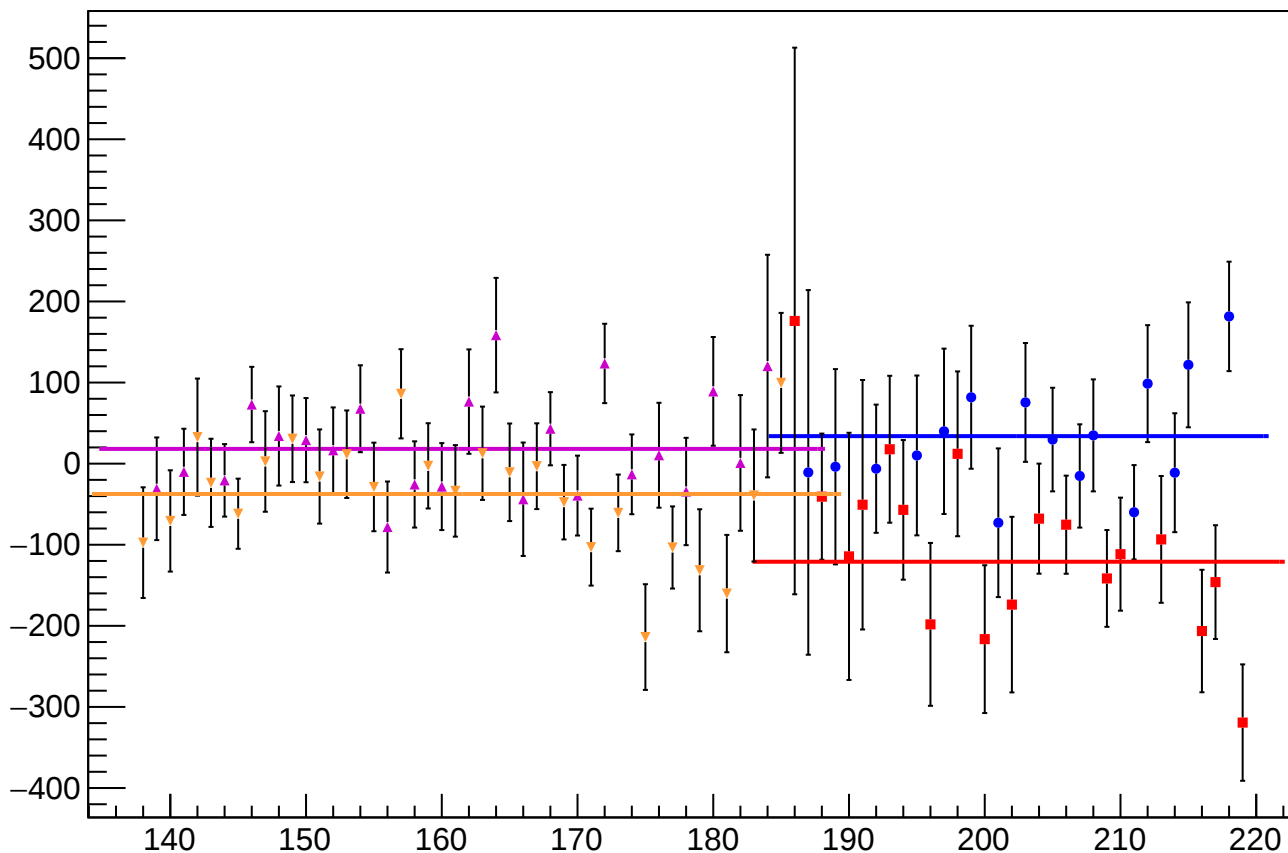
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 536.432+/-0.080 χ^2/NDF : 14002657.9/40

All: 537.593+/-0.057 χ^2/NDF : 29149063.7/83

- sign 538.796+/-0.081 χ^2/NDF : 15145971.9/40

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 33.912 ± 19.443 $\chi^2/\text{NDF}: 12.9/15$

Left Out: -37.413 ± 11.390 $\chi^2/\text{NDF}: 30.5/24$

Right Out: -120.968 ± 19.495 $\chi^2/\text{NDF}: 19.1/17$

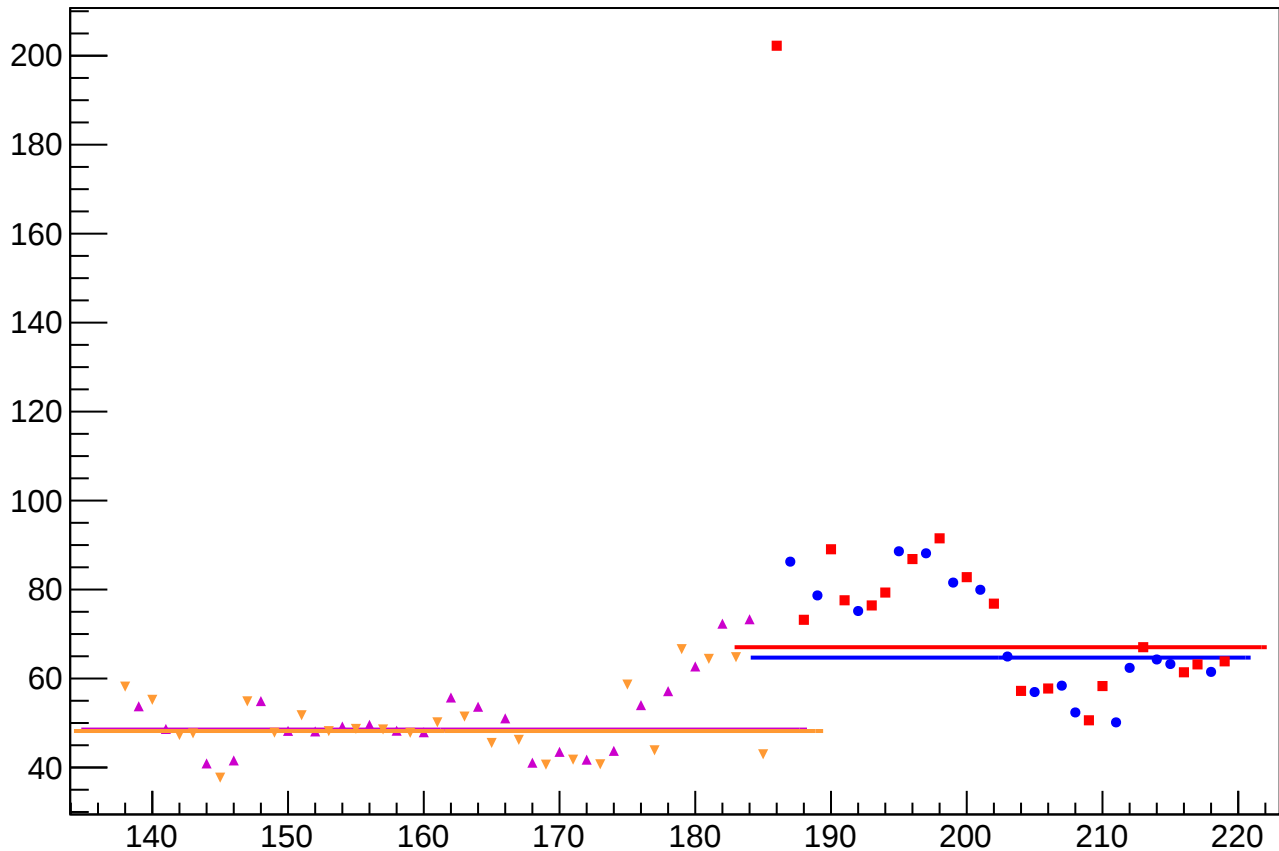
Left In: 18.210 ± 11.788 $\chi^2/\text{NDF}: 23.0/22$

+ sign -19.191 ± 9.828 $\chi^2/\text{NDF}: 53.4/40$

All: -19.123 ± 7.039 $\chi^2/\text{NDF}: 132.8/81$

- sign -19.052 ± 10.087 $\chi^2/\text{NDF}: 79.4/40$

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 64.701 $\pm$ 0.014 χ^2 /NDF: 677938.8/15

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 67.038 $\pm$ 0.014 χ^2 /NDF: 1010830.6/17

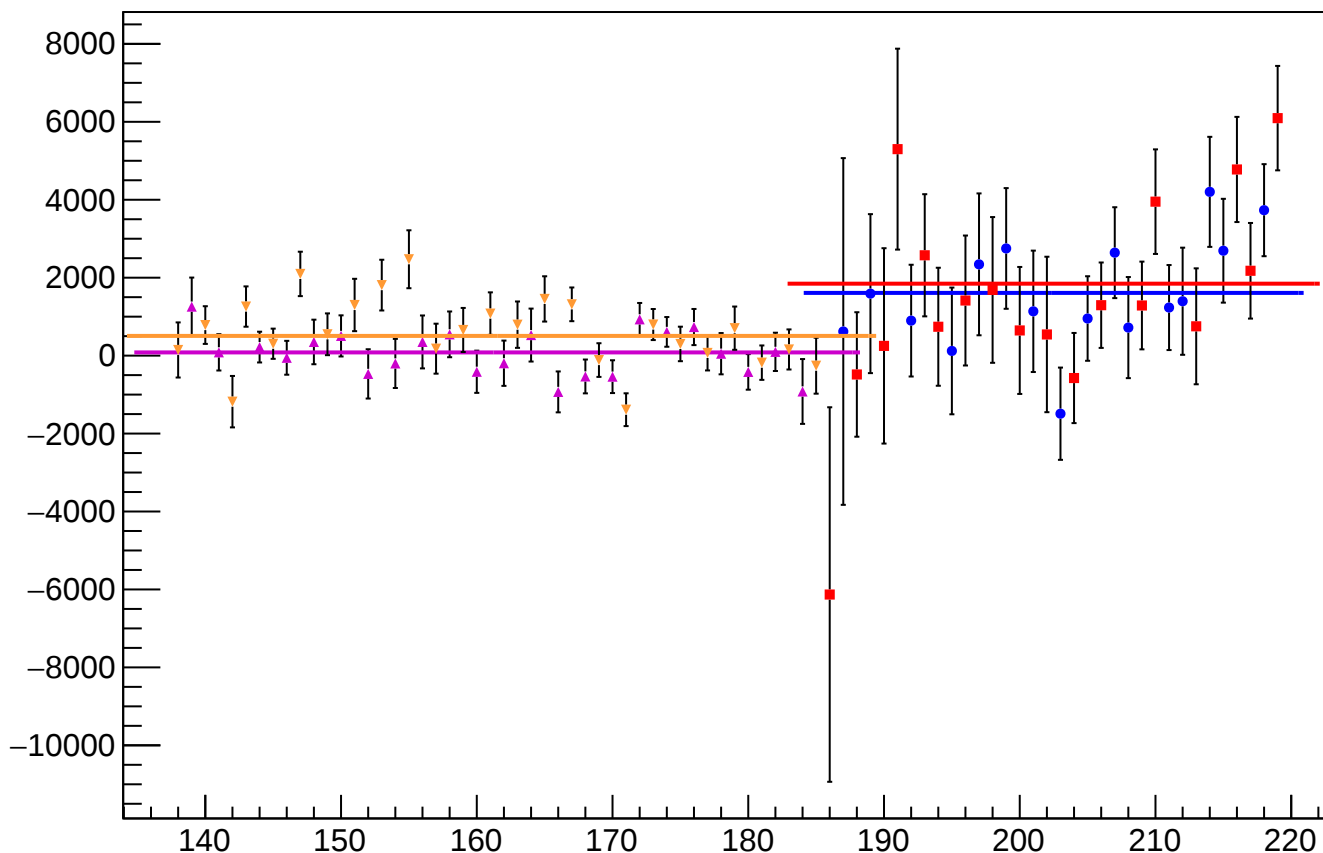
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 52.415 $\pm$ 0.007 χ^2 /NDF: 2500676.5/40

All: 52.935 $\pm$ 0.005 χ^2 /NDF: 5518888.3/81

- sign 53.483 $\pm$ 0.007 χ^2 /NDF: 3006722.0/40

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1609.777 $\pm$ 346.433 χ^2 /NDF: 17.8/15

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF: 65.7/24

Right Out: 1846.423 $\pm$ 353.359 χ^2 /NDF: 31.6/17

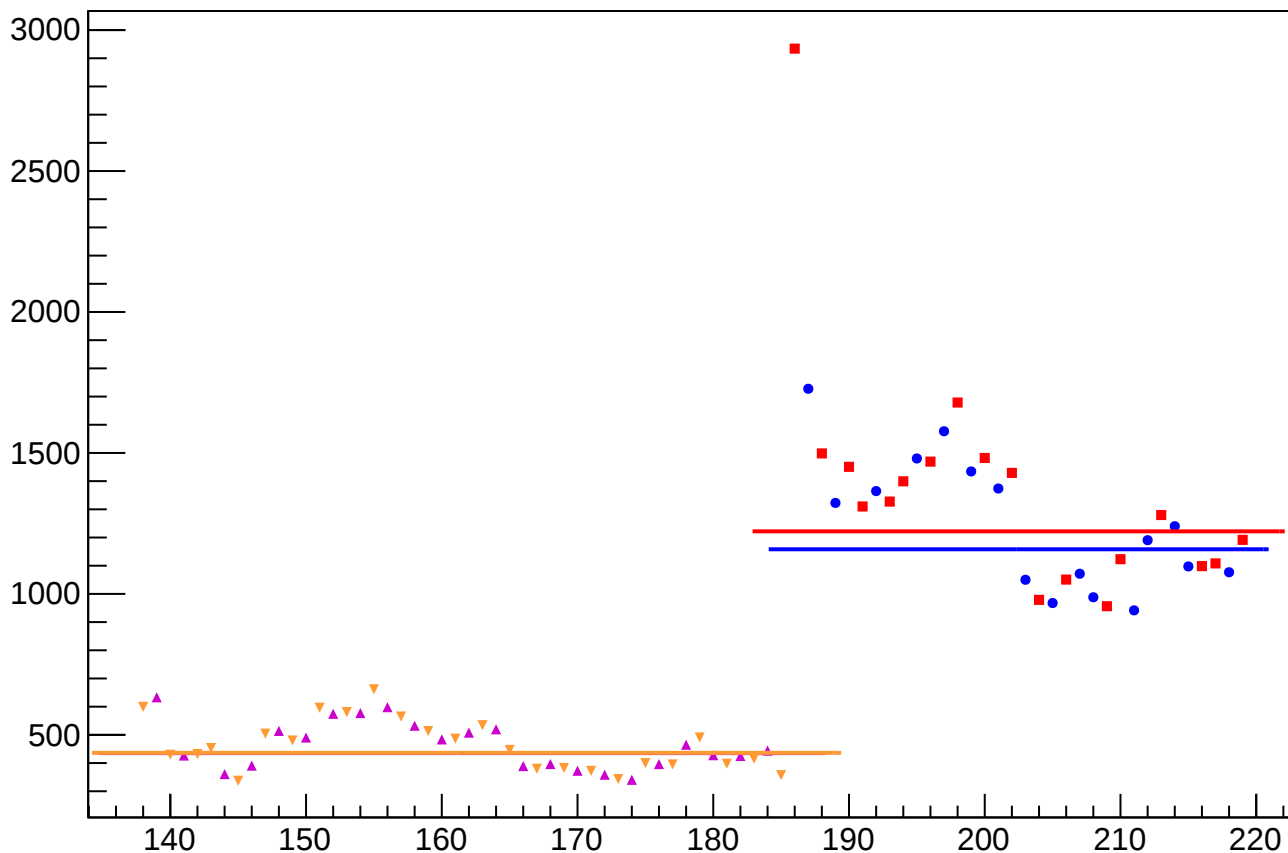
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF: 25.3/22

+ sign 596.583 $\pm$ 99.140 χ^2 /NDF: 92.8/40

All: 416.523 $\pm$ 70.913 χ^2 /NDF: 179.4/81

- sign 227.890 $\pm$ 101.473 χ^2 /NDF: 79.8/40

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1158.301+/-0.245 χ^2/NDF : 597886.6/15

Left Out: 436.301+/-0.073 χ^2/NDF : 1179348.4/24

Right Out: 1221.913+/-0.250 χ^2/NDF : 902505.7/17

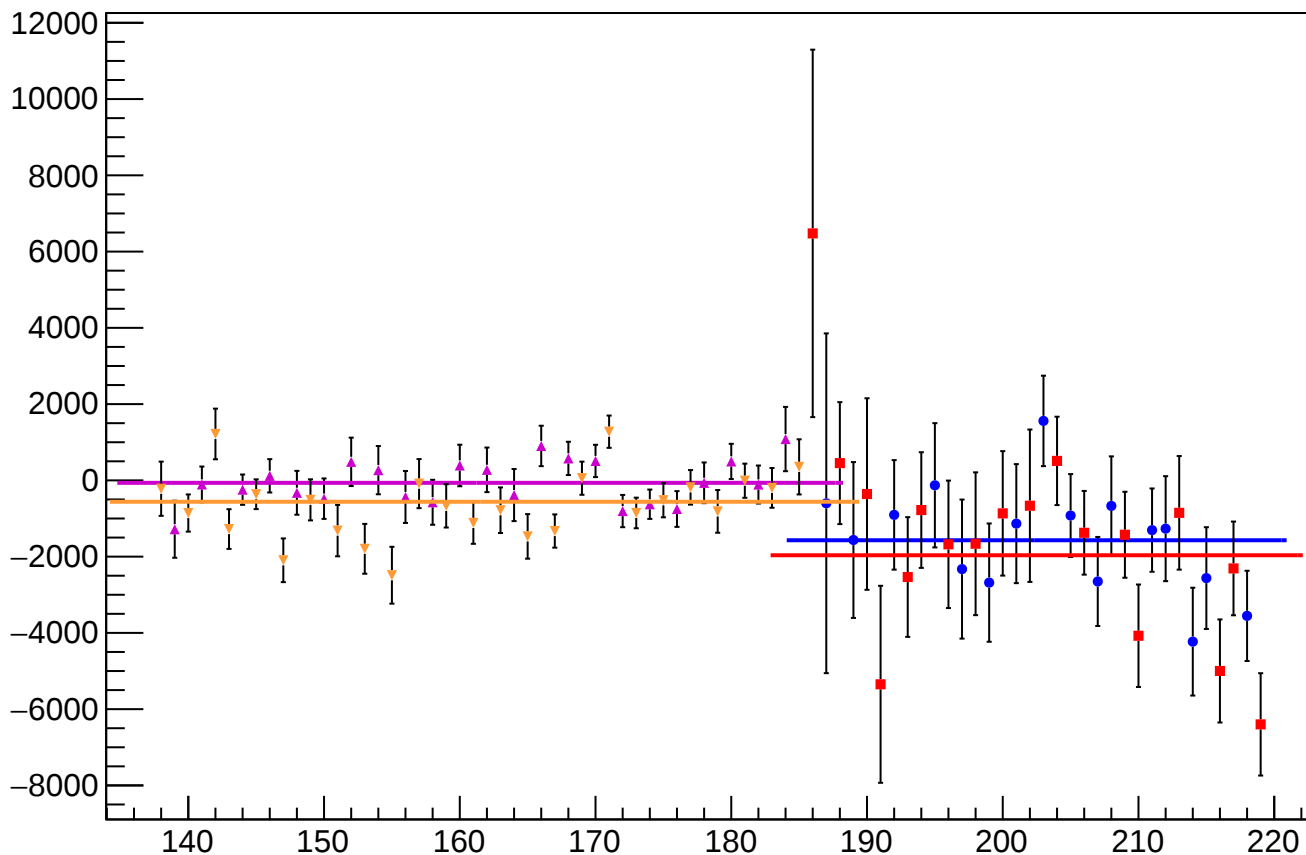
Left In: 435.275+/-0.075 χ^2/NDF : 1027713.1/22

+ sign 495.430+/-0.070 χ^2/NDF : 9752720.3/40

All: 497.733+/-0.050 χ^2/NDF : 20779460.2/83

- sign 500.145+/-0.072 χ^2/NDF : 11024530.7/40

asym_sam_15_48_dd_mean vs Slug



Right In: -1570.484 ± 347.010 χ^2/NDF : 17.5/15

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -1963.961 ± 353.931 χ^2/NDF : 33.3/17

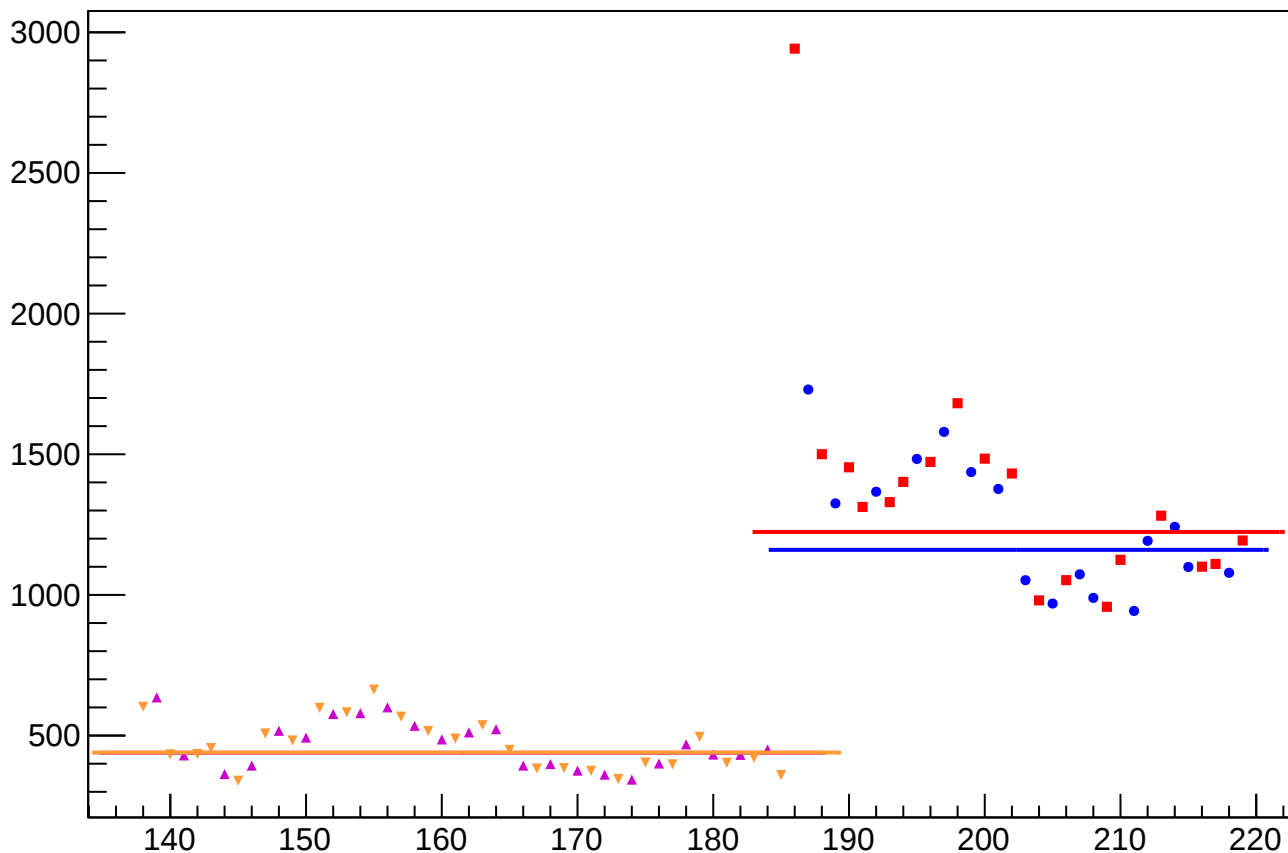
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -644.215 ± 99.804 χ^2/NDF : 87.0/40

All: -438.461 ± 71.392 χ^2/NDF : 180.6/81

- sign -222.856 ± 102.165 χ^2/NDF : 84.9/40

asym_sam_15_48_dd_rms vs Slug



Right In: 1160.225 ± 0.245 χ^2/NDF : 598253.8/15

Left Out: 439.527 ± 0.074 χ^2/NDF : 1163352.8/24

Right Out: 1223.878 ± 0.250 χ^2/NDF : 903197.8/17

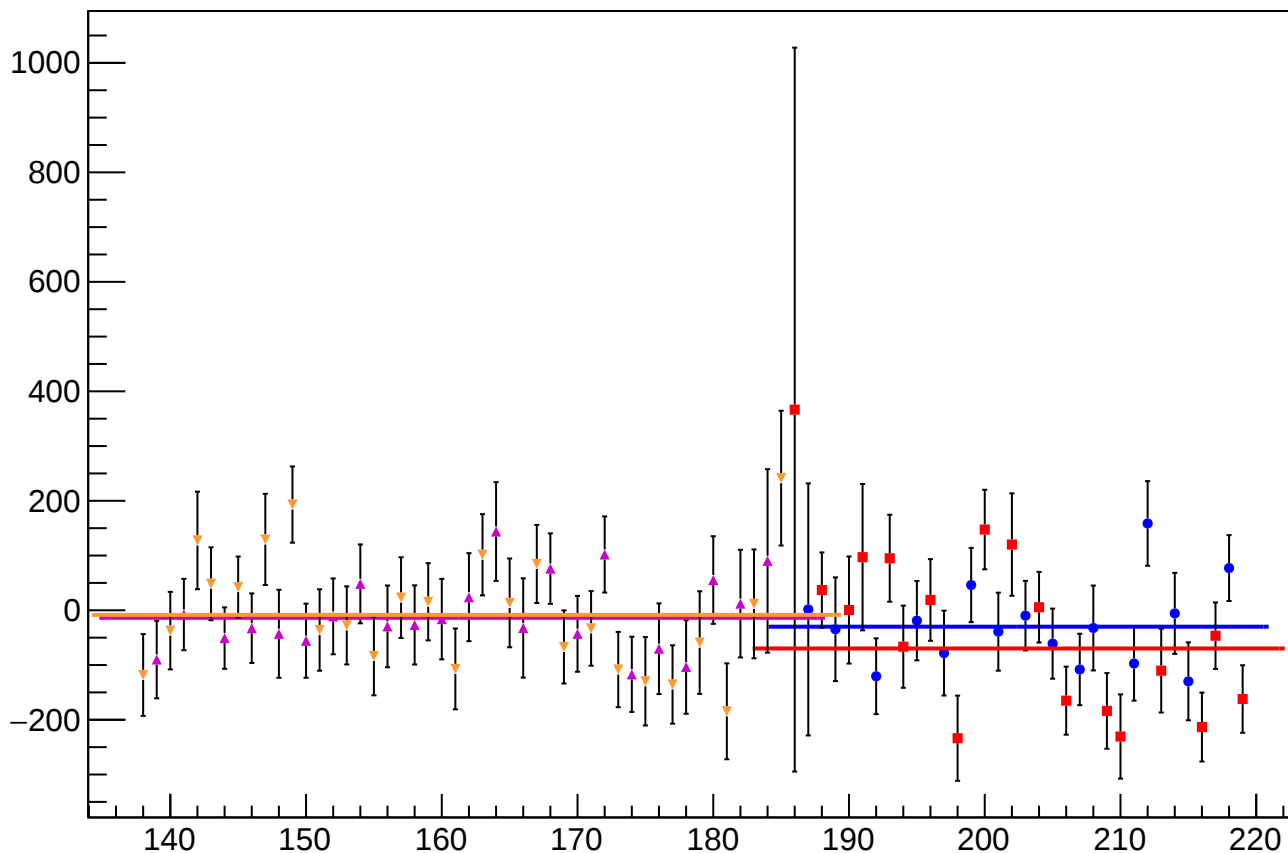
Left In: 438.548 ± 0.075 χ^2/NDF : 1013071.4/22

+ sign 499.143 ± 0.071 χ^2/NDF : 9674853.7/40

All: 501.507 ± 0.050 χ^2/NDF : 20619766.0/83

- sign 503.984 ± 0.072 χ^2/NDF : 10942614.8/40

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -29.968 ± 18.124 χ^2/NDF : 17.4/15

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -69.741 ± 17.694 χ^2/NDF : 46.8/17

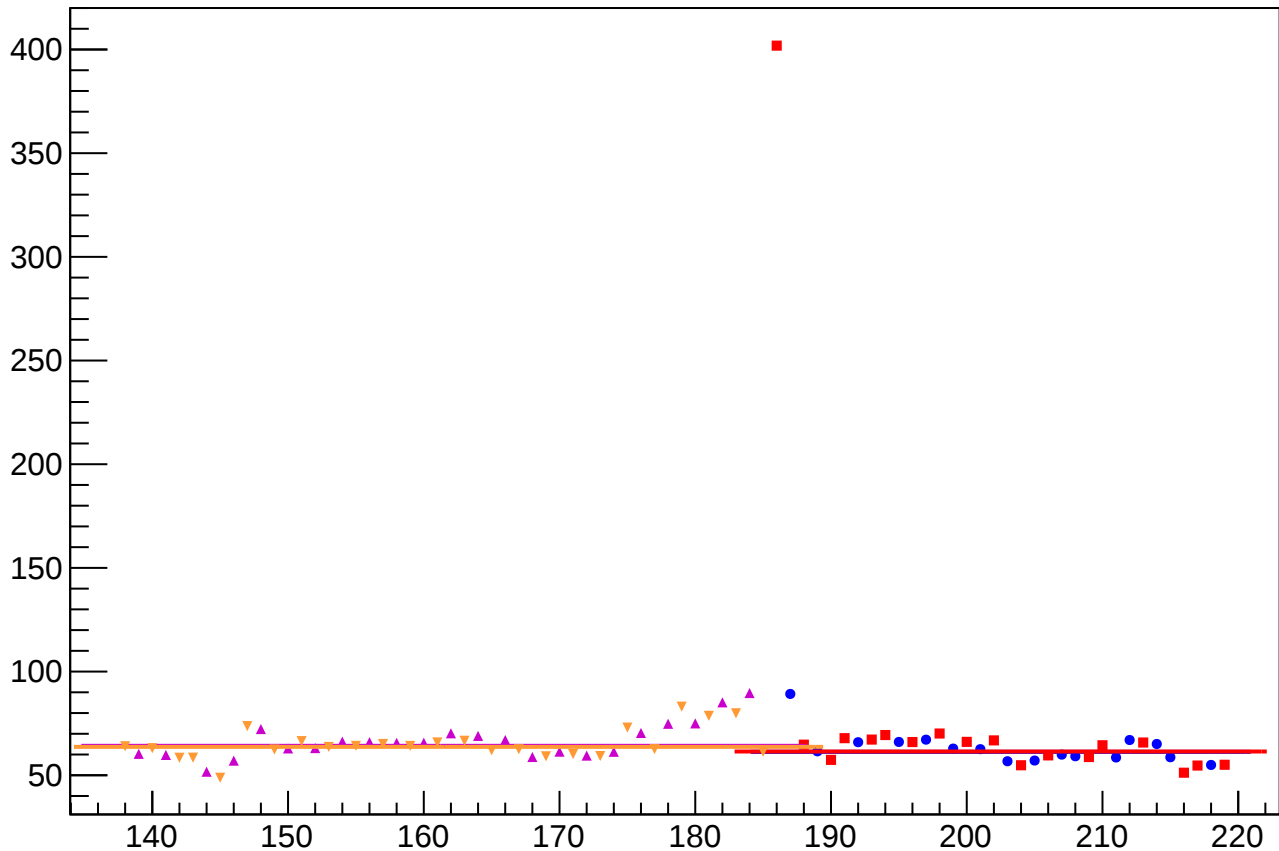
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -17.132 ± 11.526 χ^2/NDF : 59.8/40

All: -27.458 ± 8.193 χ^2/NDF : 130.2/81

- sign -38.007 ± 11.650 χ^2/NDF : 68.7/40

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.285 $\pm$ 0.013 χ^2 /NDF: 125599.2/15

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 61.453 $\pm$ 0.013 χ^2 /NDF: 757318.6/17

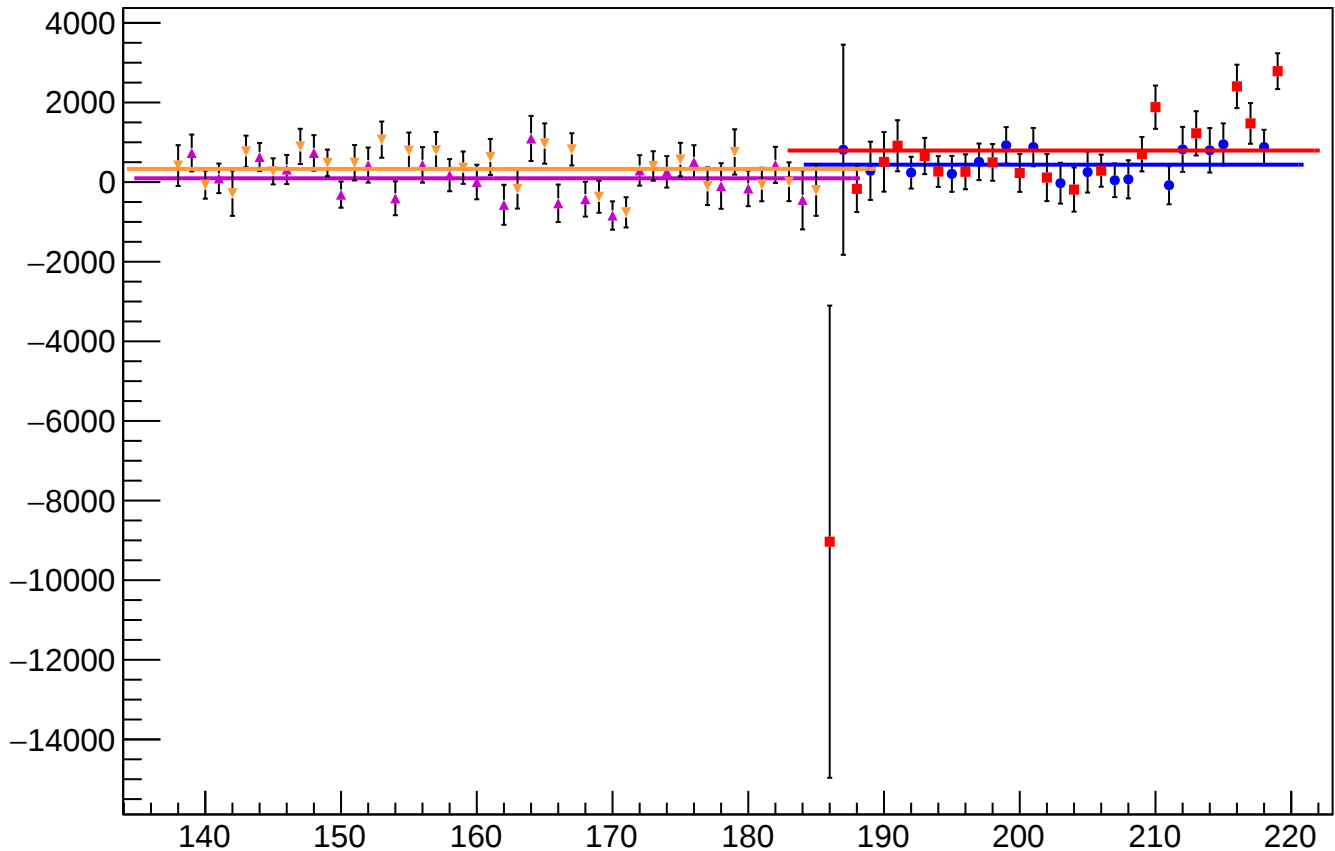
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 62.721 $\pm$ 0.008 χ^2 /NDF: 595120.1/40

All: 62.860 $\pm$ 0.006 χ^2 /NDF: 1809794.7/81

- sign 63.003 $\pm$ 0.008 χ^2 /NDF: 1214081.9/40

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 438.183 $\pm$ 124.751 χ^2 /NDF: 9.0/15

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF: 29.9/24

Right Out: 793.762 $\pm$ 120.035 χ^2 /NDF: 51.7/17

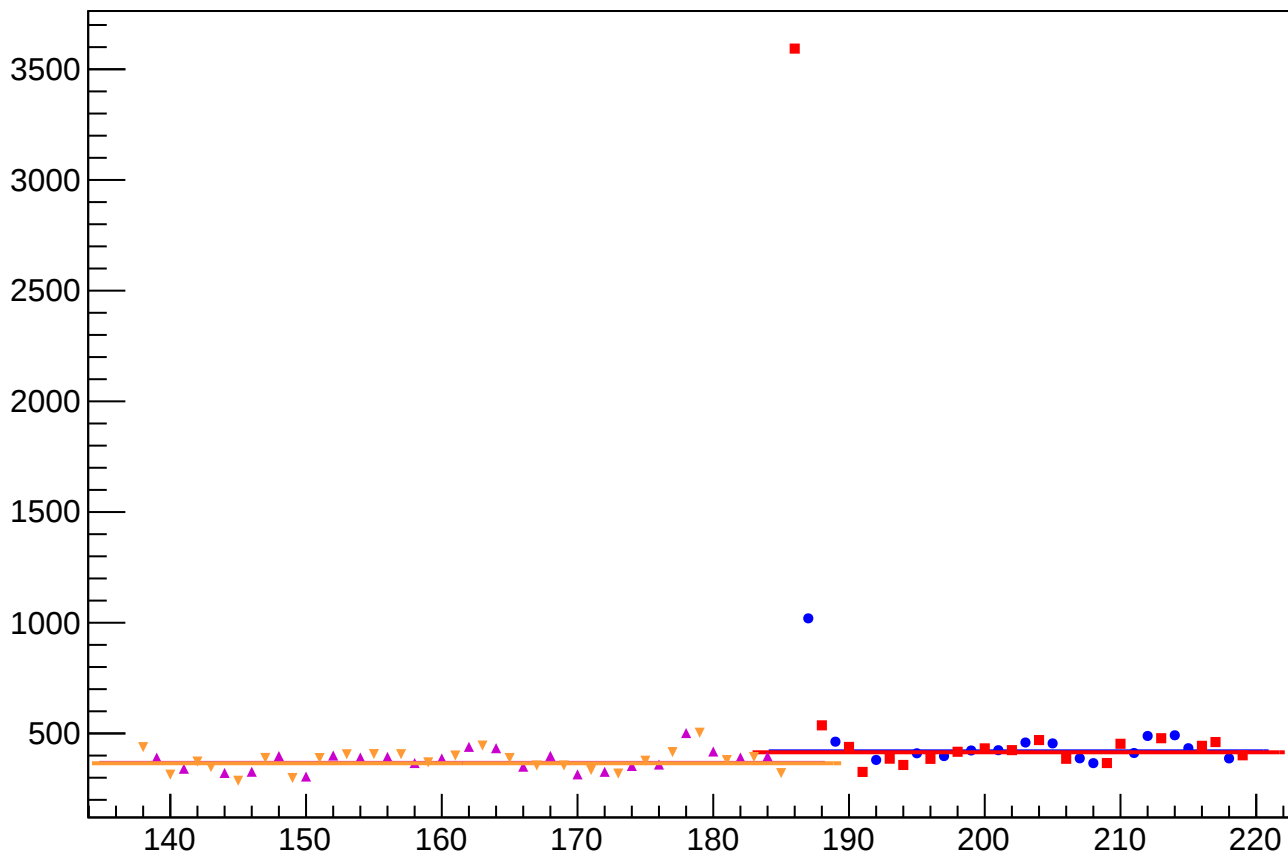
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 366.067 $\pm$ 70.845 χ^2 /NDF: 39.4/40

All: 354.225 $\pm$ 50.260 χ^2 /NDF: 141.7/81

- sign 342.225 $\pm$ 71.314 χ^2 /NDF: 102.3/40

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 419.089+/-0.088 χ^2/NDF : 269488.7/15

Left Out: 365.355+/-0.061 χ^2/NDF : 618453.7/24

Right Out: 414.846+/-0.085 χ^2/NDF : 882088.9/17

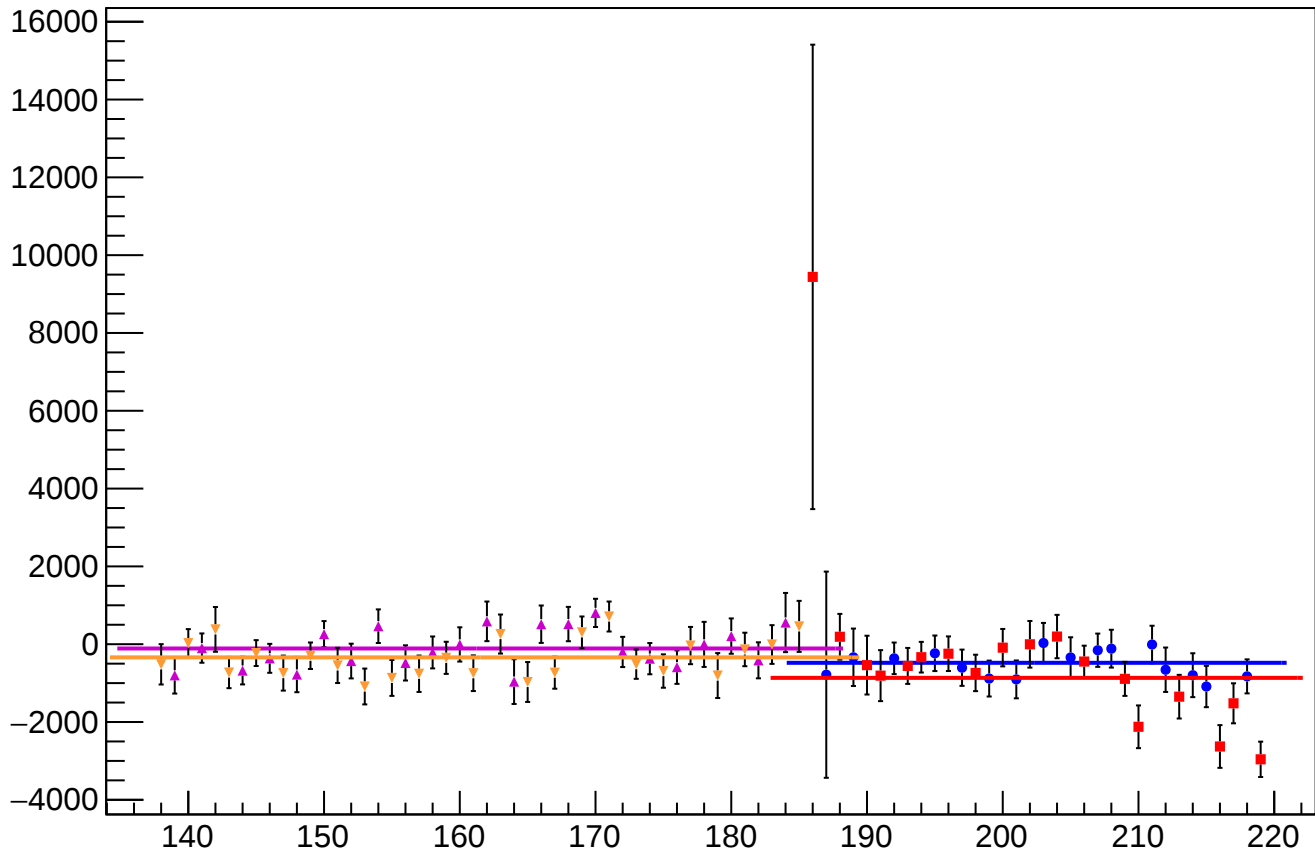
Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

+ sign 382.685+/-0.050 χ^2/NDF : 1139333.8/40

All: 383.258+/-0.036 χ^2/NDF : 2706020.3/81

- sign 383.839+/-0.050 χ^2/NDF : 1566422.6/40

asym_sam_37_48_dd_mean vs Slug



Right In: -478.126 ± 126.186 χ^2/NDF : 7.5/15

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -865.125 ± 121.512 χ^2/NDF : 59.2/17

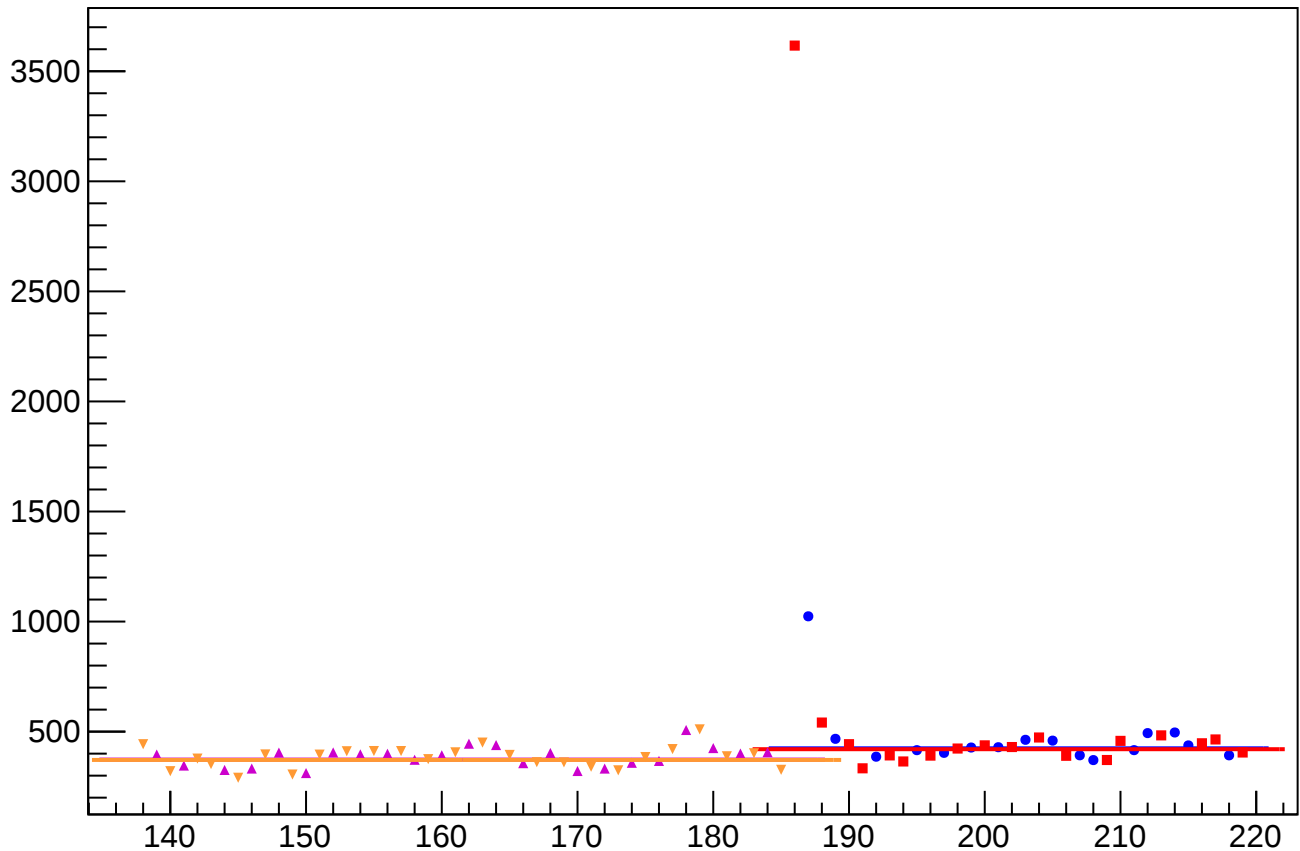
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -383.821 ± 71.877 χ^2/NDF : 36.6/40

All: -380.953 ± 50.997 χ^2/NDF : 149.9/81

- sign -378.046 ± 72.366 χ^2/NDF : 113.3/40

asym_sam_37_48_dd_rms vs Slug



Right In: 424.062 $\pm$ 0.089 χ^2 /NDF: 261467.5/15

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 420.139 $\pm$ 0.086 χ^2 /NDF: 865078.5/17

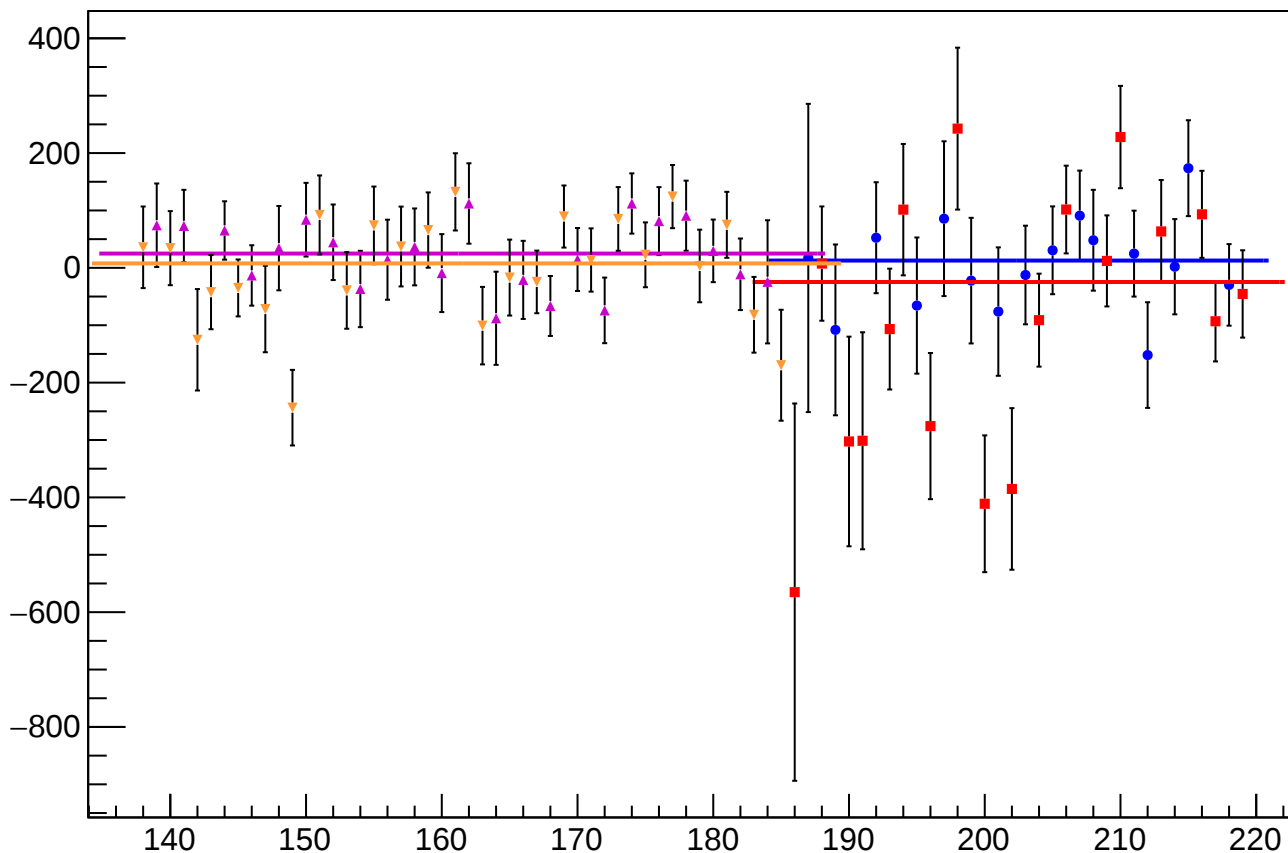
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 388.457 $\pm$ 0.051 χ^2 /NDF: 1101250.2/40

All: 389.064 $\pm$ 0.036 χ^2 /NDF: 2628708.1/81

- sign 389.679 $\pm$ 0.051 χ^2 /NDF: 1527170.7/40

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 12.702 ± 23.339 χ^2/NDF : 10.9/15

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -24.678 ± 23.245 χ^2/NDF : 49.7/17

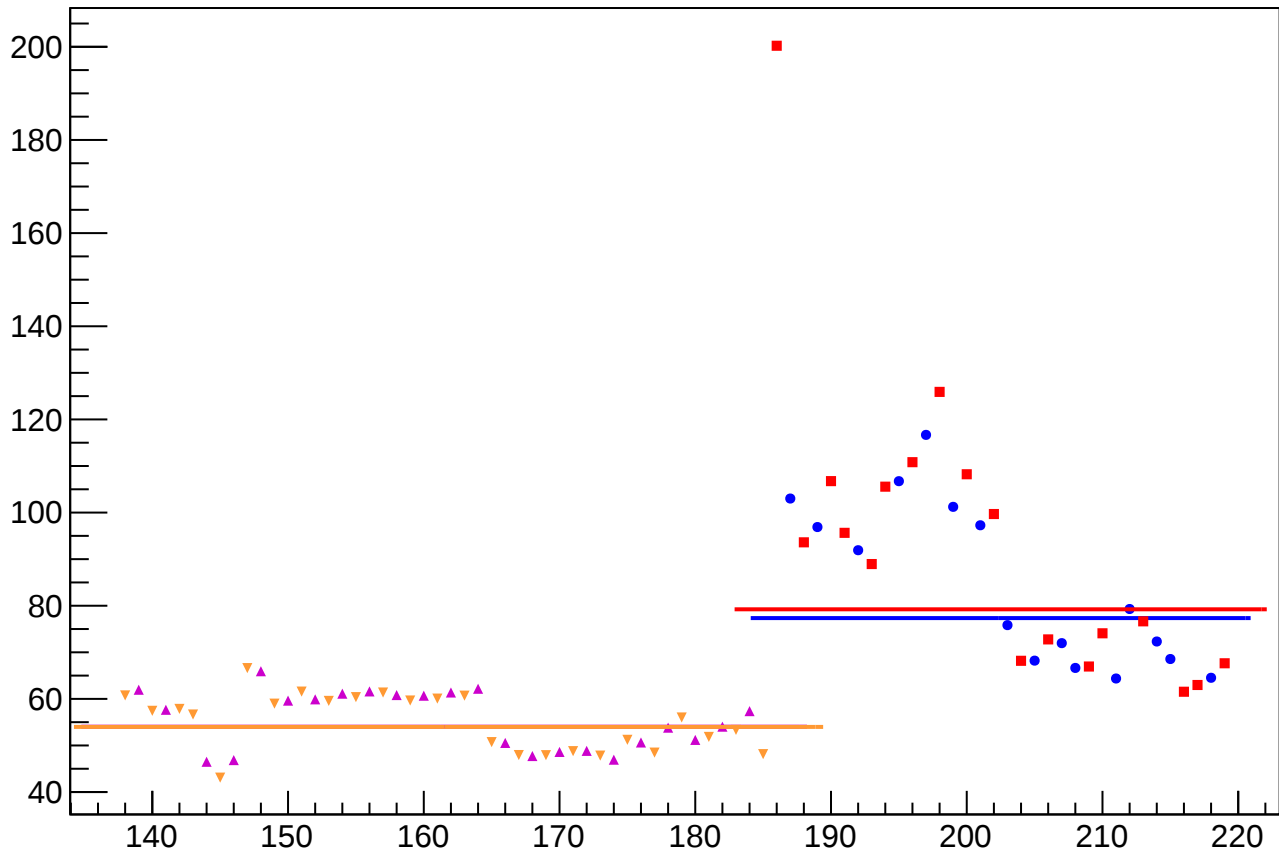
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 8.855 ± 11.125 χ^2/NDF : 56.3/40

All: 10.902 ± 7.950 χ^2/NDF : 129.3/81

- sign 13.039 ± 11.365 χ^2/NDF : 72.9/40

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 77.347 ± 0.017 $\chi^2/\text{NDF}: 773250.1/15$

Left Out: 53.984 ± 0.009 $\chi^2/\text{NDF}: 458972.1/24$

Right Out: 79.233 ± 0.016 $\chi^2/\text{NDF}: 1369426.2/17$

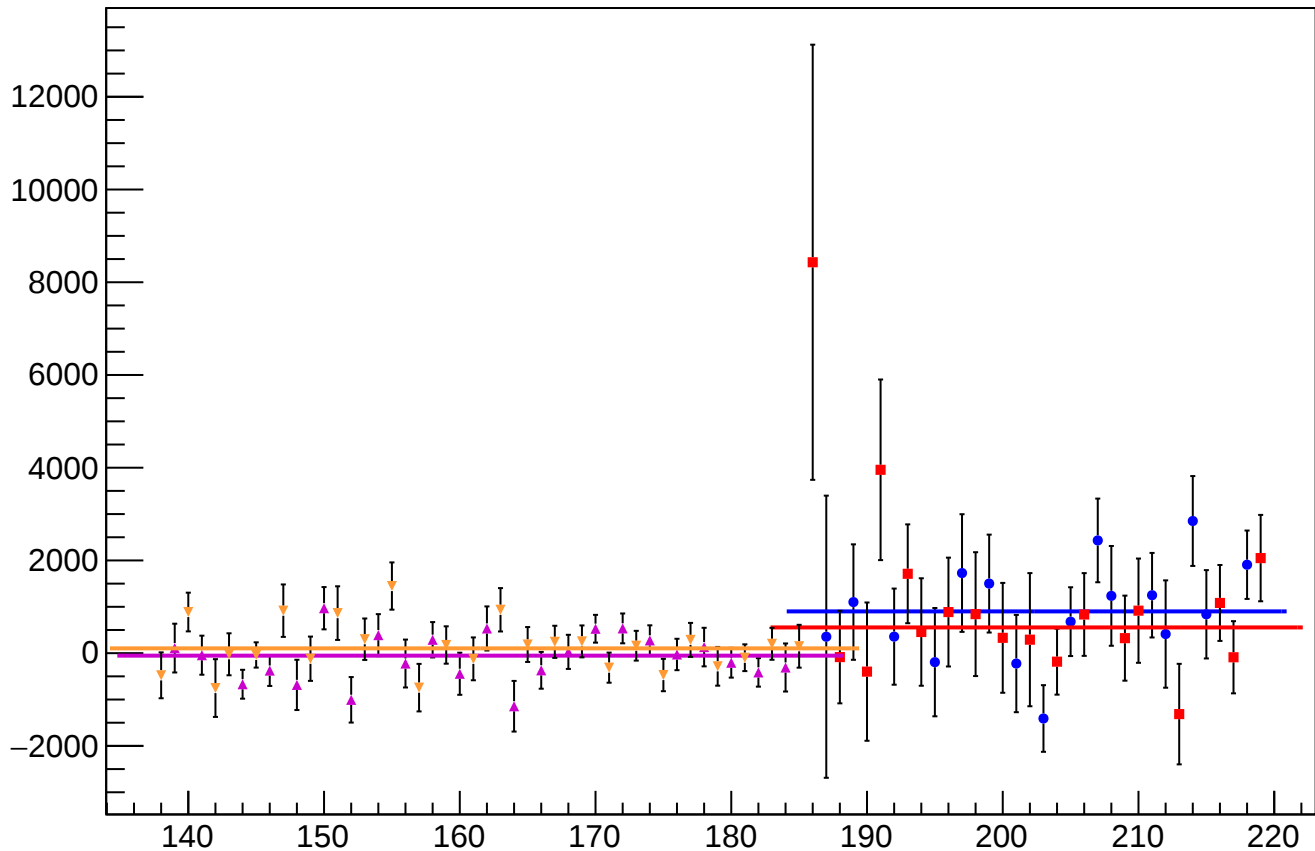
Left In: 54.028 ± 0.009 $\chi^2/\text{NDF}: 443819.5/22$

+ sign 59.292 ± 0.008 $\chi^2/\text{NDF}: 2781003.2/40$

All: 59.665 ± 0.006 $\chi^2/\text{NDF}: 6388254.2/81$

- sign 60.053 ± 0.008 $\chi^2/\text{NDF}: 3602675.6/40$

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 901.051 ± 245.133 χ^2/NDF : 22.7/15

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 555.176 ± 248.217 χ^2/NDF : 16.1/17

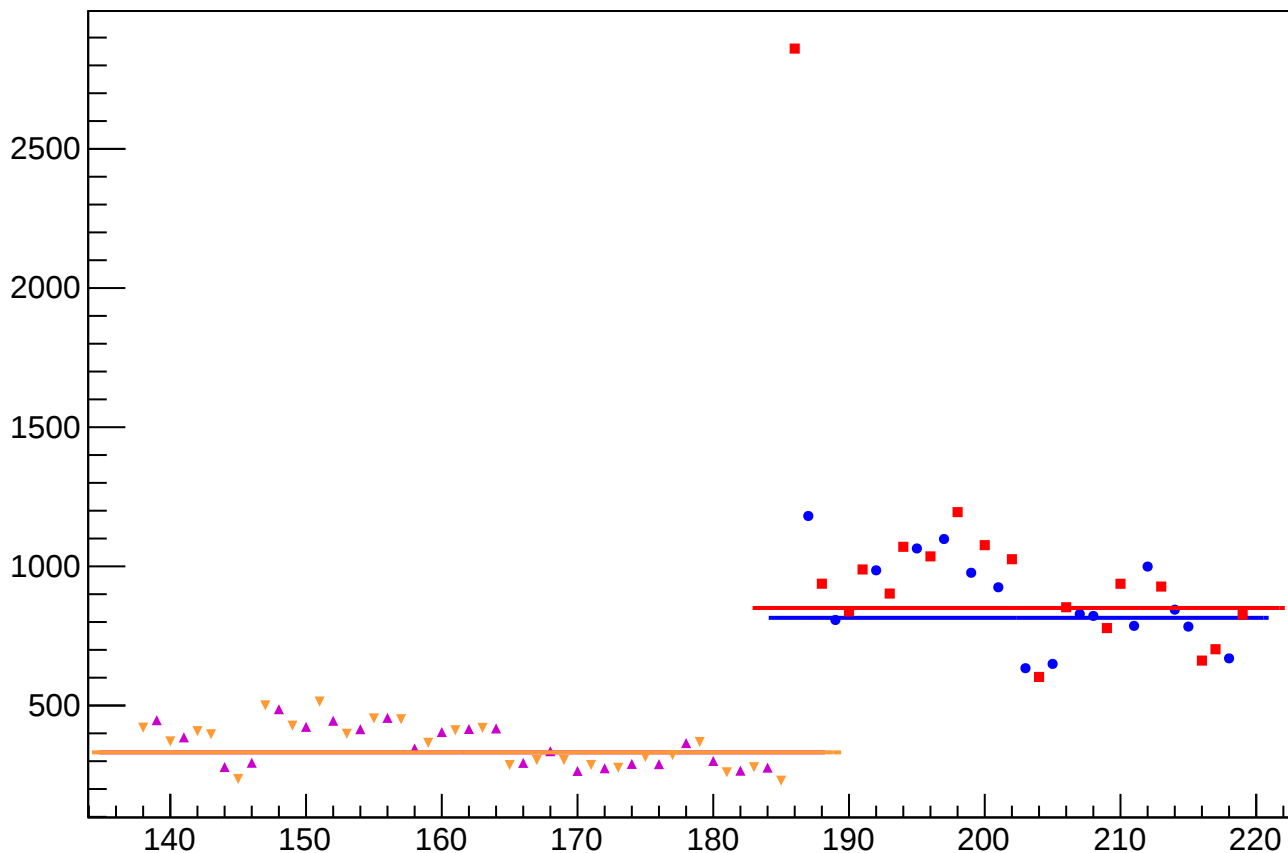
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 179.375 ± 75.488 χ^2/NDF : 63.3/40

All: 94.286 ± 53.965 χ^2/NDF : 121.5/81

- sign 5.349 ± 77.176 χ^2/NDF : 55.6/40

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 815.085 ± 0.173 $\chi^2/\text{NDF}: 704440.8/15$

Left Out: 331.770 ± 0.056 $\chi^2/\text{NDF}: 1711721.9/24$

Right Out: 850.467 ± 0.176 $\chi^2/\text{NDF}: 1212154.9/17$

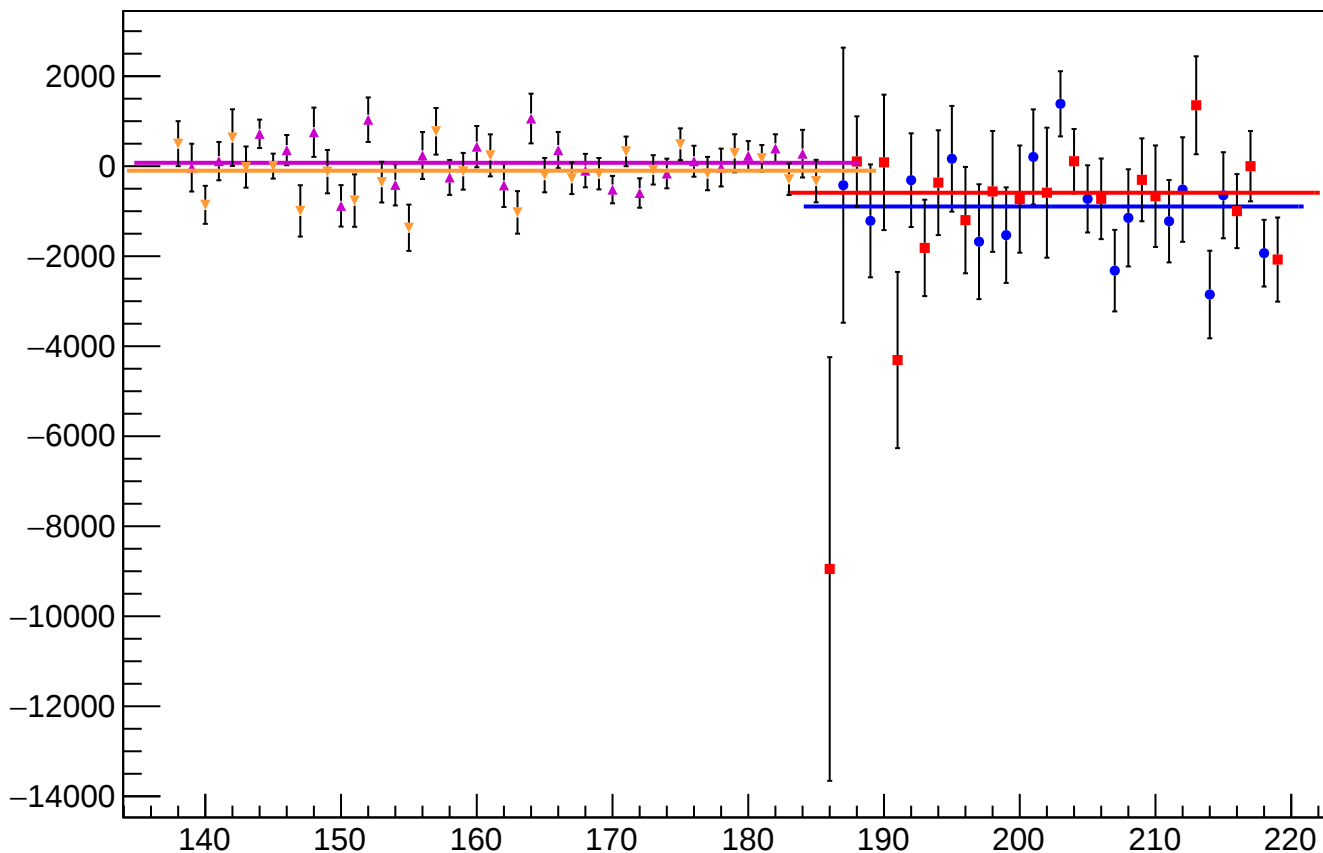
Left In: 331.666 ± 0.057 $\chi^2/\text{NDF}: 1303192.2/22$

+ sign 377.604 ± 0.053 $\chi^2/\text{NDF}: 9453598.2/40$

All: 379.665 ± 0.038 $\chi^2/\text{NDF}: 19864475.0/83$

- sign 381.820 ± 0.055 $\chi^2/\text{NDF}: 10407826.7/40$

asym_sam_15_26_dd_mean vs Slug



Right In: -895.286+/-246.410 χ^2/NDF : 21.8/15

Left Out: -99.785+/-80.428 χ^2/NDF : 30.7/24

Right Out: -589.759+/-249.442 χ^2/NDF : 16.7/17

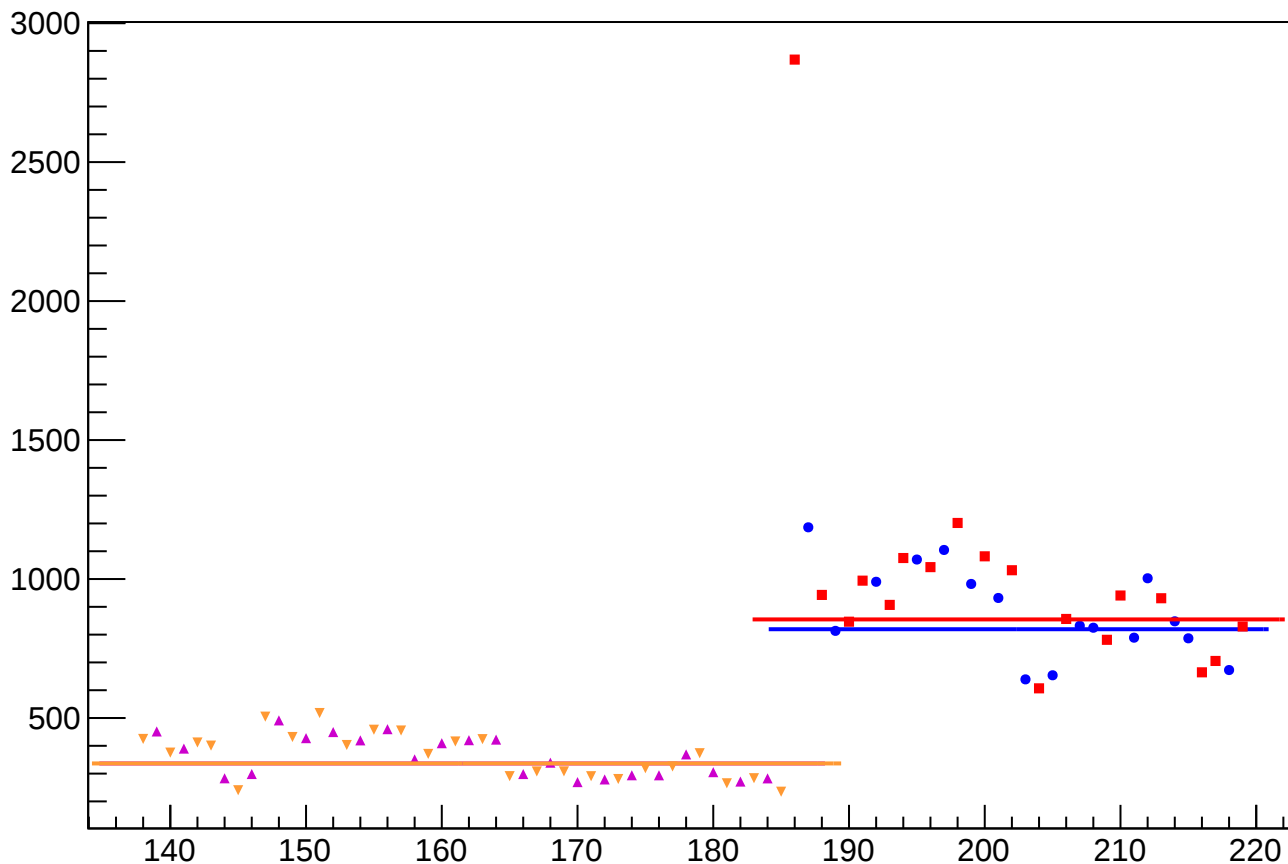
Left In: 75.579+/-82.319 χ^2/NDF : 32.1/22

+ sign -176.375+/-76.458 χ^2/NDF : 61.9/40

All: -85.138+/-54.660 χ^2/NDF : 120.0/81

- sign 10.235+/-78.172 χ^2/NDF : 55.2/40

asym_sam_15_26_dd_rms vs Slug



Right In: 819.426 $\pm$ 0.174 χ^2/NDF : 701011.1/15

Left Out: 336.557 $\pm$ 0.057 χ^2/NDF : 1665919.4/24

Right Out: 854.721 $\pm$ 0.176 χ^2/NDF : 1211169.1/17

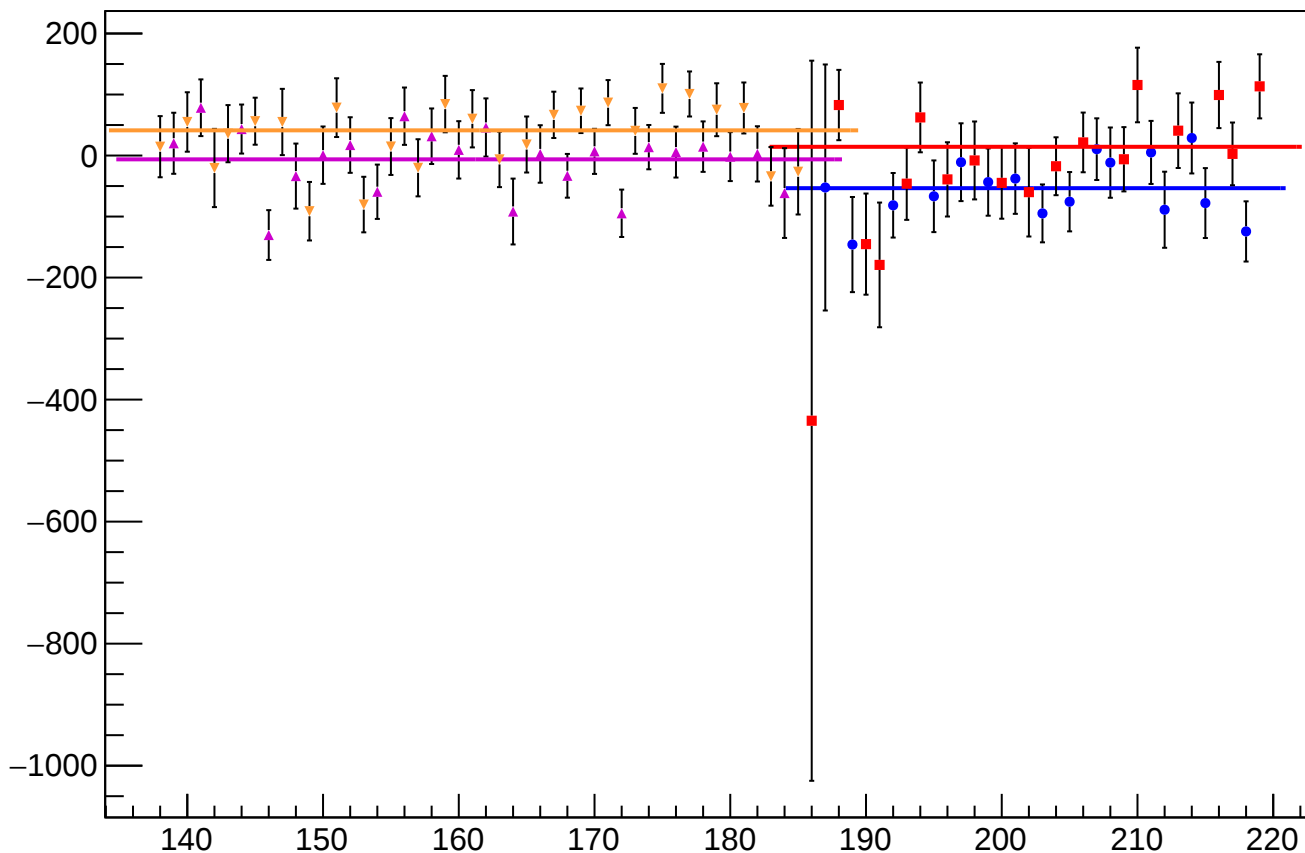
Left In: 336.439 $\pm$ 0.058 χ^2/NDF : 1269066.3/22

+ sign 383.048 $\pm$ 0.054 χ^2/NDF : 9307688.6/40

All: 385.147 $\pm$ 0.039 χ^2/NDF : 19577244.0/83

- sign 387.341 $\pm$ 0.055 χ^2/NDF : 10266472.7/40

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -53.491 ± 14.264 $\chi^2/\text{NDF}: 11.2/15$

Left Out: 41.283 ± 8.889 $\chi^2/\text{NDF}: 34.4/24$

Right Out: 14.322 ± 14.188 $\chi^2/\text{NDF}: 23.6/17$

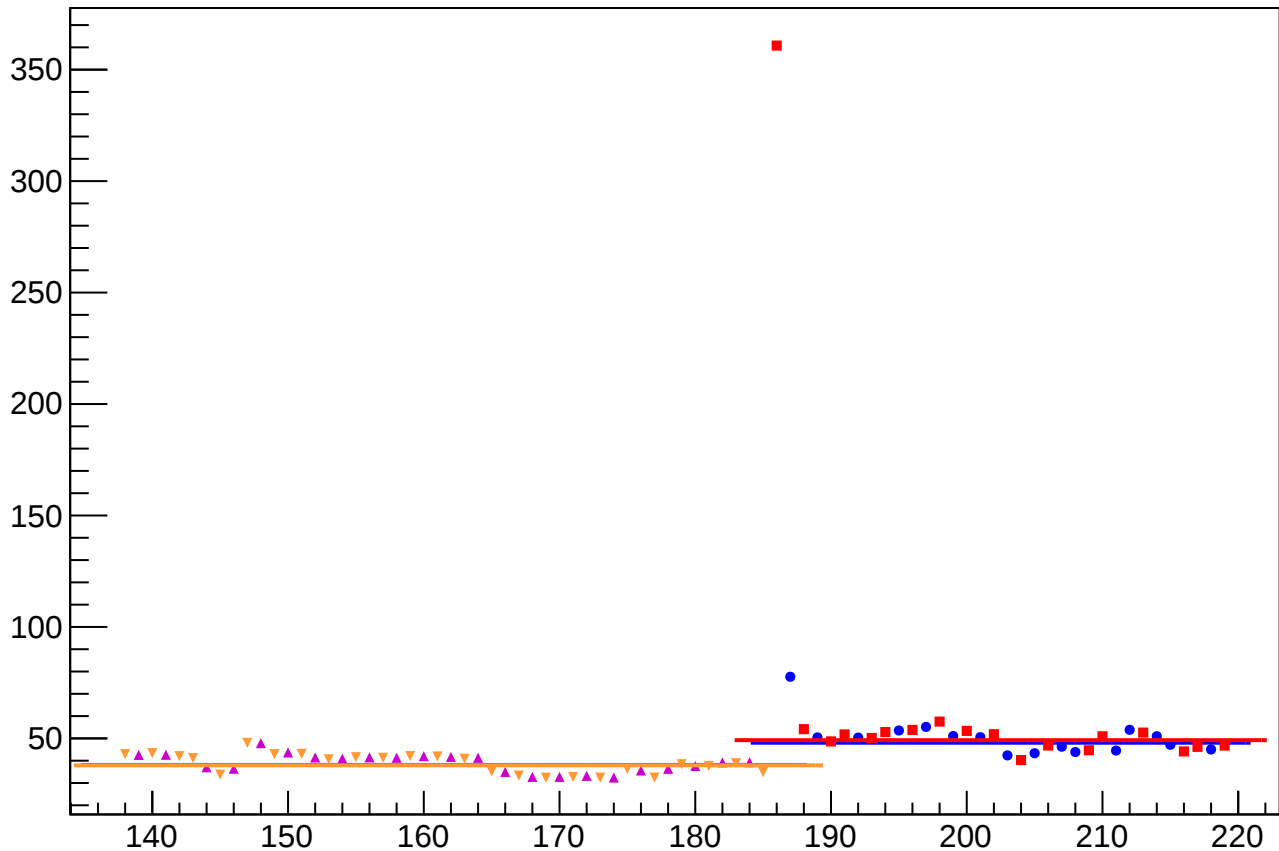
Left In: -6.254 ± 9.175 $\chi^2/\text{NDF}: 30.3/22$

+ sign 14.772 ± 7.544 $\chi^2/\text{NDF}: 77.4/40$

All: 7.450 ± 5.390 $\chi^2/\text{NDF}: 134.7/81$

- sign -0.187 ± 7.704 $\chi^2/\text{NDF}: 55.4/40$

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 48.071+/-0.010 χ^2/NDF : 200649.6/15

Left Out: 37.925+/-0.006 χ^2/NDF : 487085.3/24

Right Out: 49.208+/-0.010 χ^2/NDF : 766684.0/17

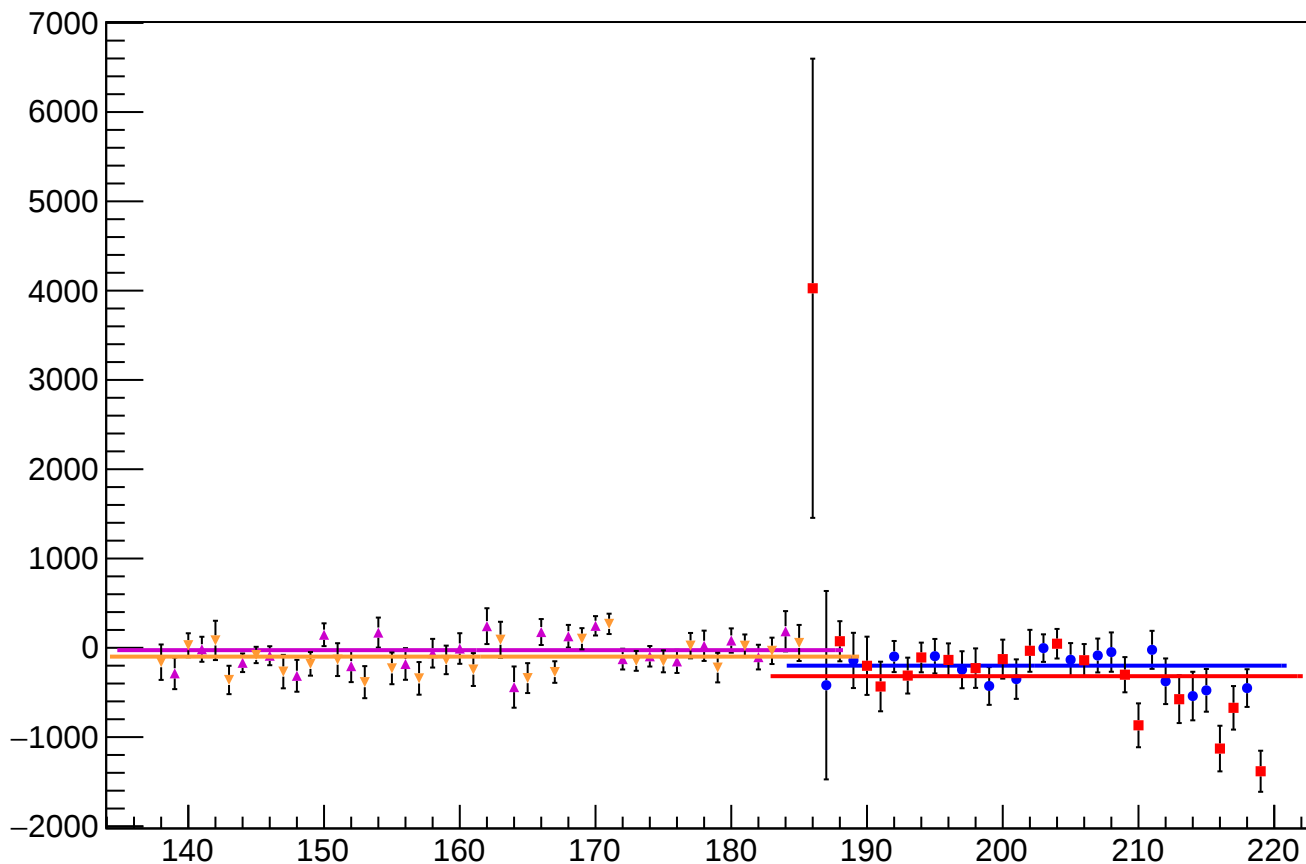
Left In: 38.087+/-0.006 χ^2/NDF : 396334.5/22

+ sign 40.763+/-0.005 χ^2/NDF : 1416523.3/40

All: 41.059+/-0.004 χ^2/NDF : 3452308.1/81

- sign 41.367+/-0.005 χ^2/NDF : 2029521.2/40

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -199.990 ± 53.679 χ^2/NDF : 10.5/15

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -317.787 ± 52.247 χ^2/NDF : 56.5/17

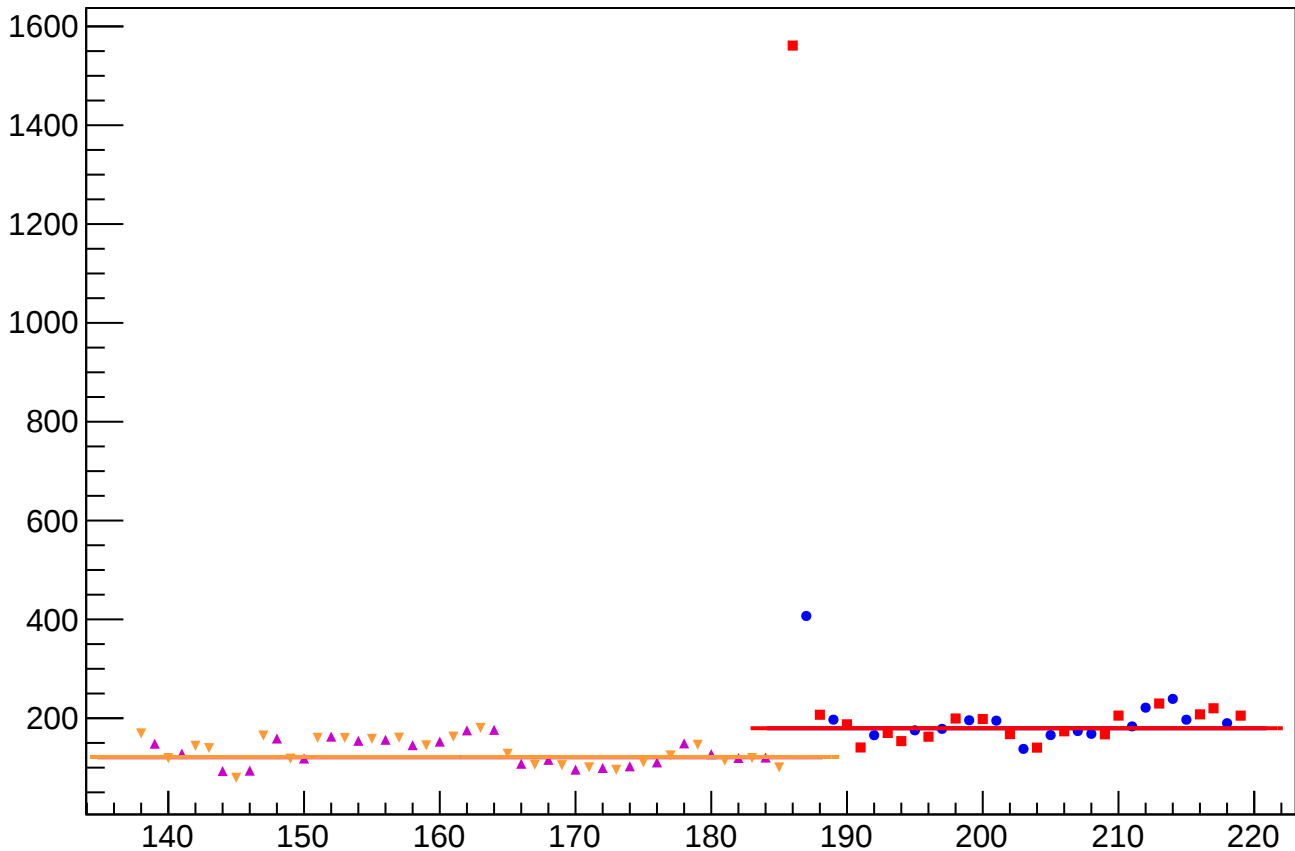
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -121.732 ± 25.579 χ^2/NDF : 46.0/40

All: -109.643 ± 18.166 χ^2/NDF : 157.1/81

- sign -97.341 ± 25.804 χ^2/NDF : 110.7/40

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 179.613 $\pm$ 0.038 χ^2 /NDF: 463816.0/15

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF: 1711423.9/24

Right Out: 179.720 $\pm$ 0.037 χ^2 /NDF: 1071984.2/17

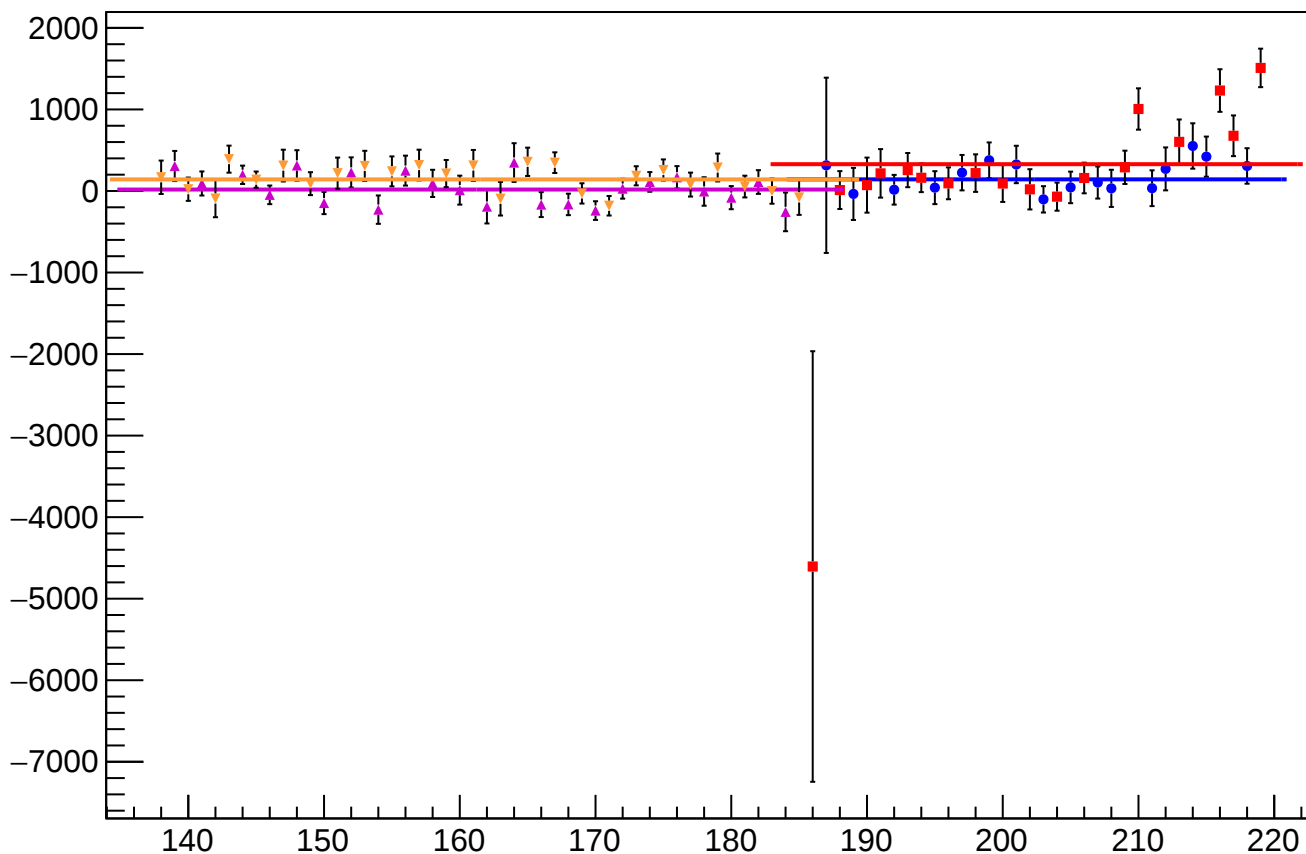
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 134.767 $\pm$ 0.018 χ^2 /NDF: 3981331.9/40

All: 135.015 $\pm$ 0.013 χ^2 /NDF: 8351411.2/81

- sign 135.268 $\pm$ 0.018 χ^2 /NDF: 4369700.1/40

asym_sam_37_26_dd_mean vs Slug



Right In: 142.530 $\pm$ 55.705 χ^2 /NDF: 10.3/15

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 328.661 $\pm$ 54.371 χ^2 /NDF: 64.6/17

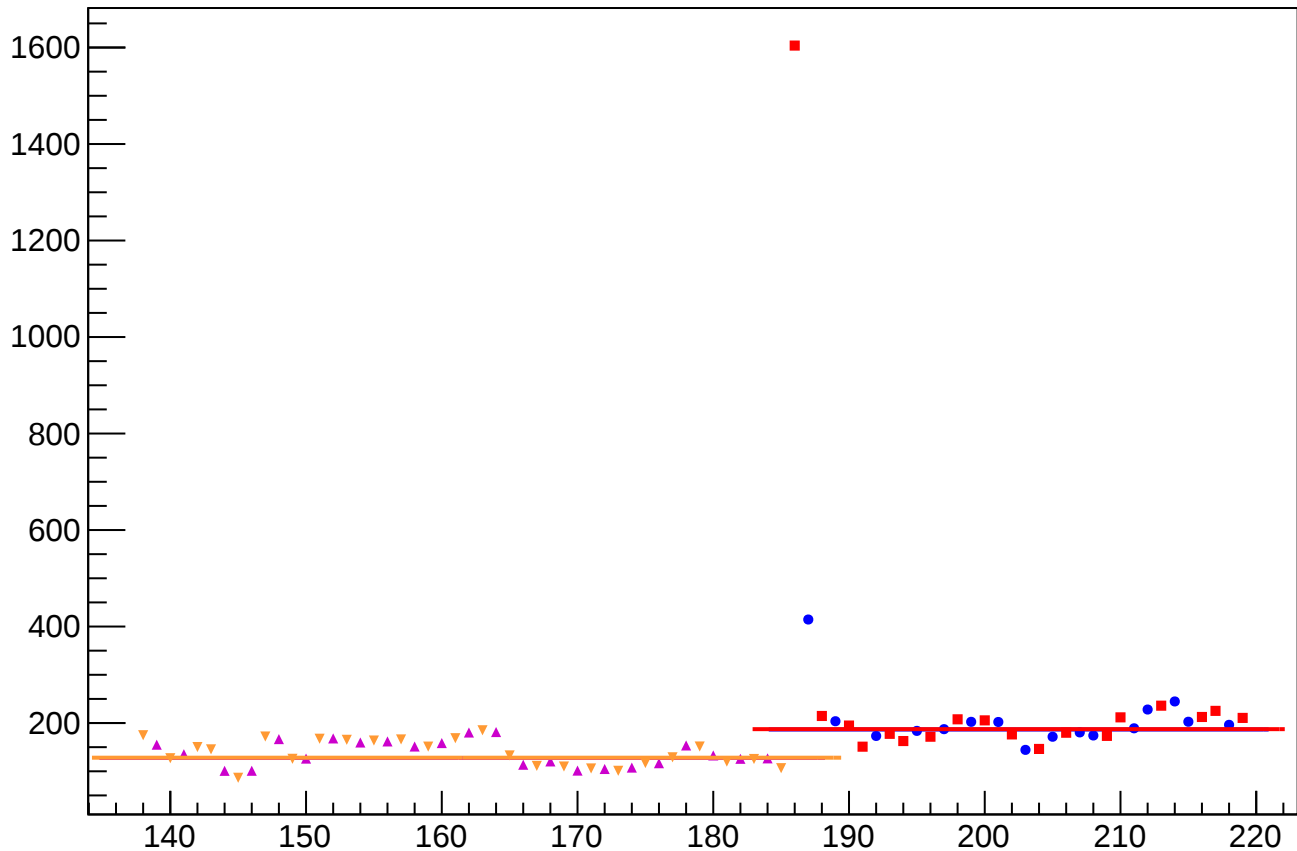
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 142.134 $\pm$ 26.803 χ^2 /NDF: 37.2/40

All: 118.673 $\pm$ 19.045 χ^2 /NDF: 158.2/81

- sign 94.747 $\pm$ 27.067 χ^2 /NDF: 119.4/40

asym_sam_37_26_dd_rms vs Slug



Right In: 186.598 $\pm$ 0.039 χ^2 /NDF: 432541.5/15

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF:1532922.0/24

Right Out: 187.333 $\pm$ 0.038 χ^2 /NDF: 1014633.8/17

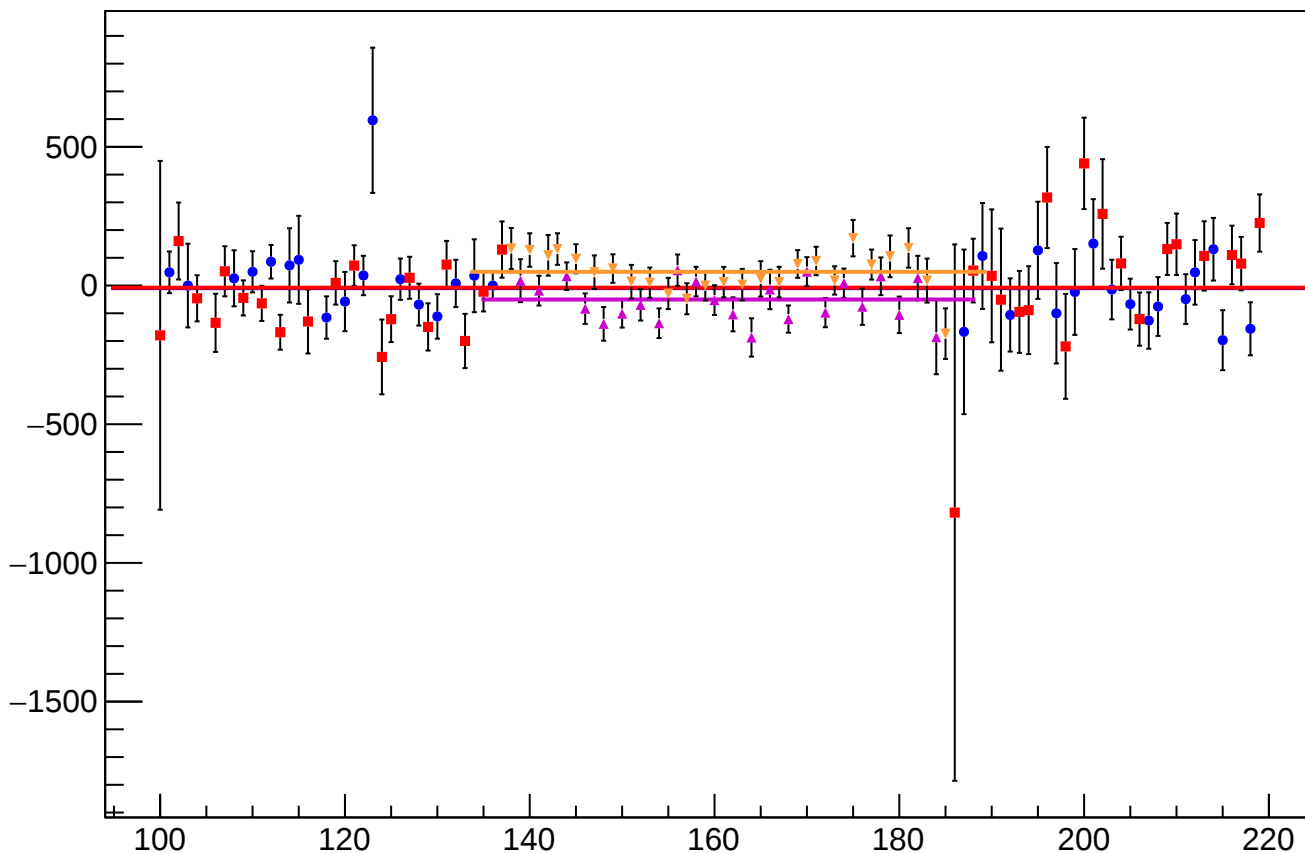
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 141.700 $\pm$ 0.019 χ^2 /NDF: 3656100.3/40

All: 142.027 $\pm$ 0.013 χ^2 /NDF: 7726166.5/81

- sign 142.361 $\pm$ 0.019 χ^2 /NDF: 4069465.4/40

reg_asym_sam_1357_avg_mean vs Slug



Right In: -9.377 ± 16.766 χ^2/NDF : 27.6/32

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -7.771 ± 16.387 χ^2/NDF : 58.4/36

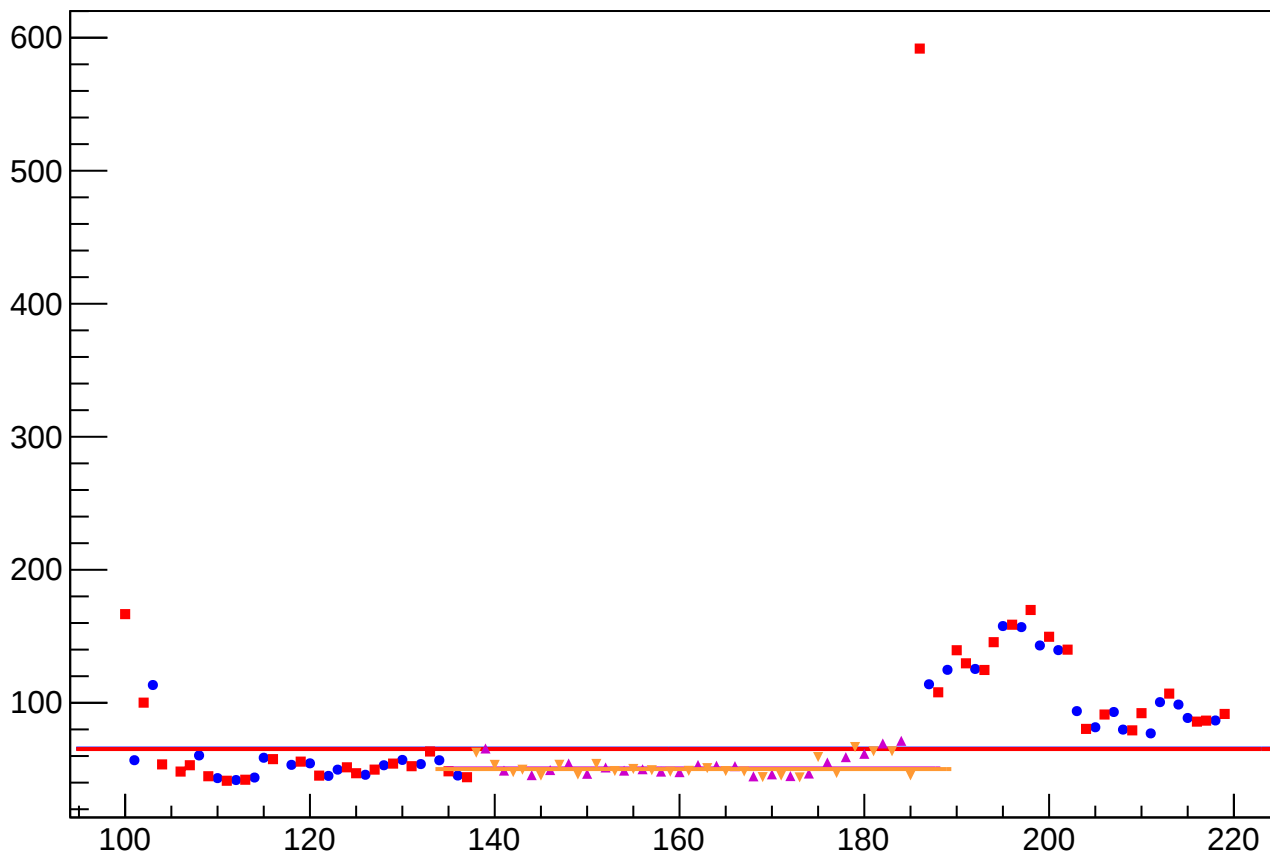
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 29.919 ± 9.653 χ^2/NDF : 63.9/57

All: -2.038 ± 6.882 χ^2/NDF : 181.1/117

- sign -35.068 ± 9.813 χ^2/NDF : 94.9/59

reg_asym_sam_1357_avg_rms vs Slug



Right In: 65.586 $\pm$ 0.012 χ^2 /NDF: 5220597.6/32

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 65.242 $\pm$ 0.012 χ^2 /NDF: 6594054.2/36

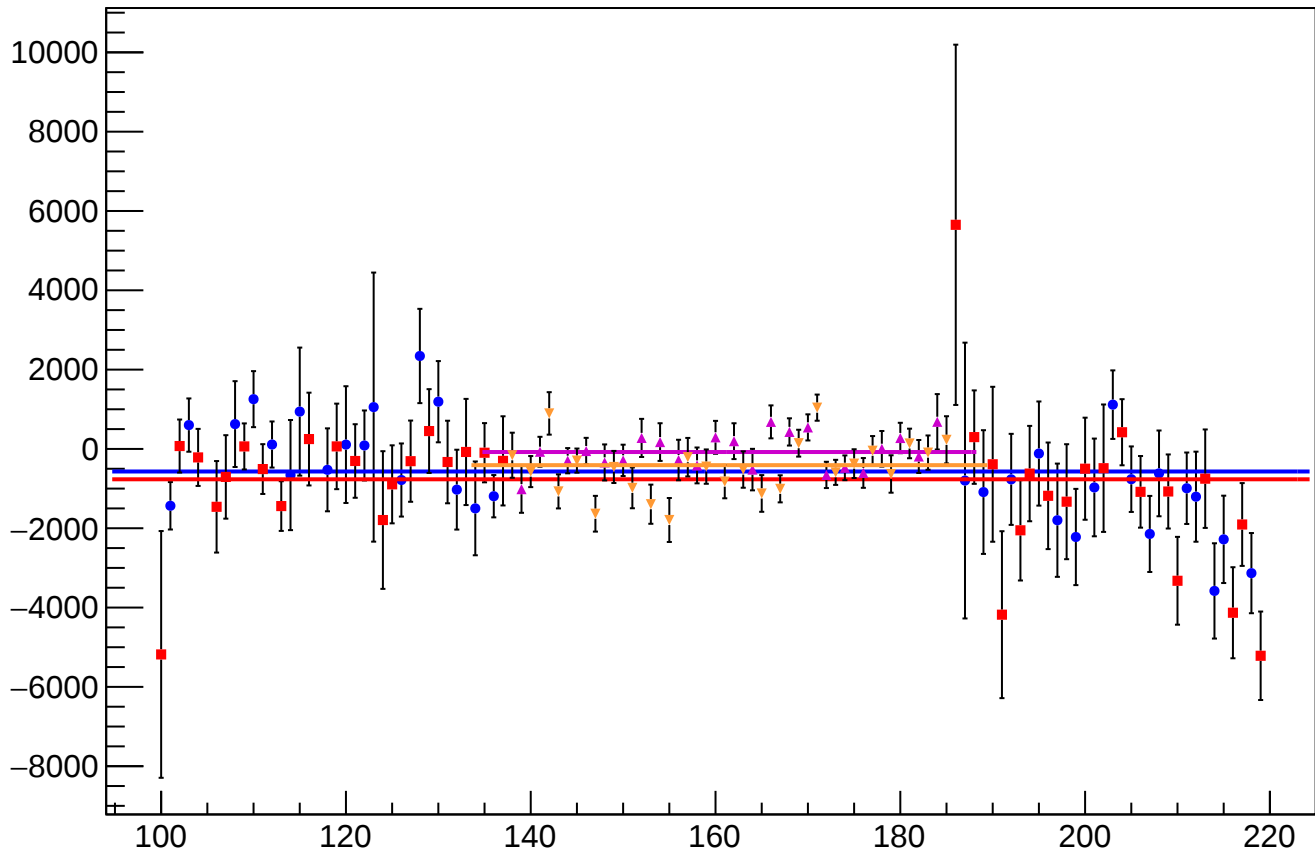
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 55.293 $\pm$ 0.007 χ^2 /NDF: 6815763.7/57

All: 55.593 $\pm$ 0.005 χ^2 /NDF: 14895581.2/117

- sign 55.904 $\pm$ 0.007 χ^2 /NDF: 8075869.6/59

asym_sam_1357_avg_correction_mean vs Slug



Right In: -568.777 ± 167.971 χ^2/NDF : 52.6/32

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -765.543 ± 165.817 χ^2/NDF : 53.0/36

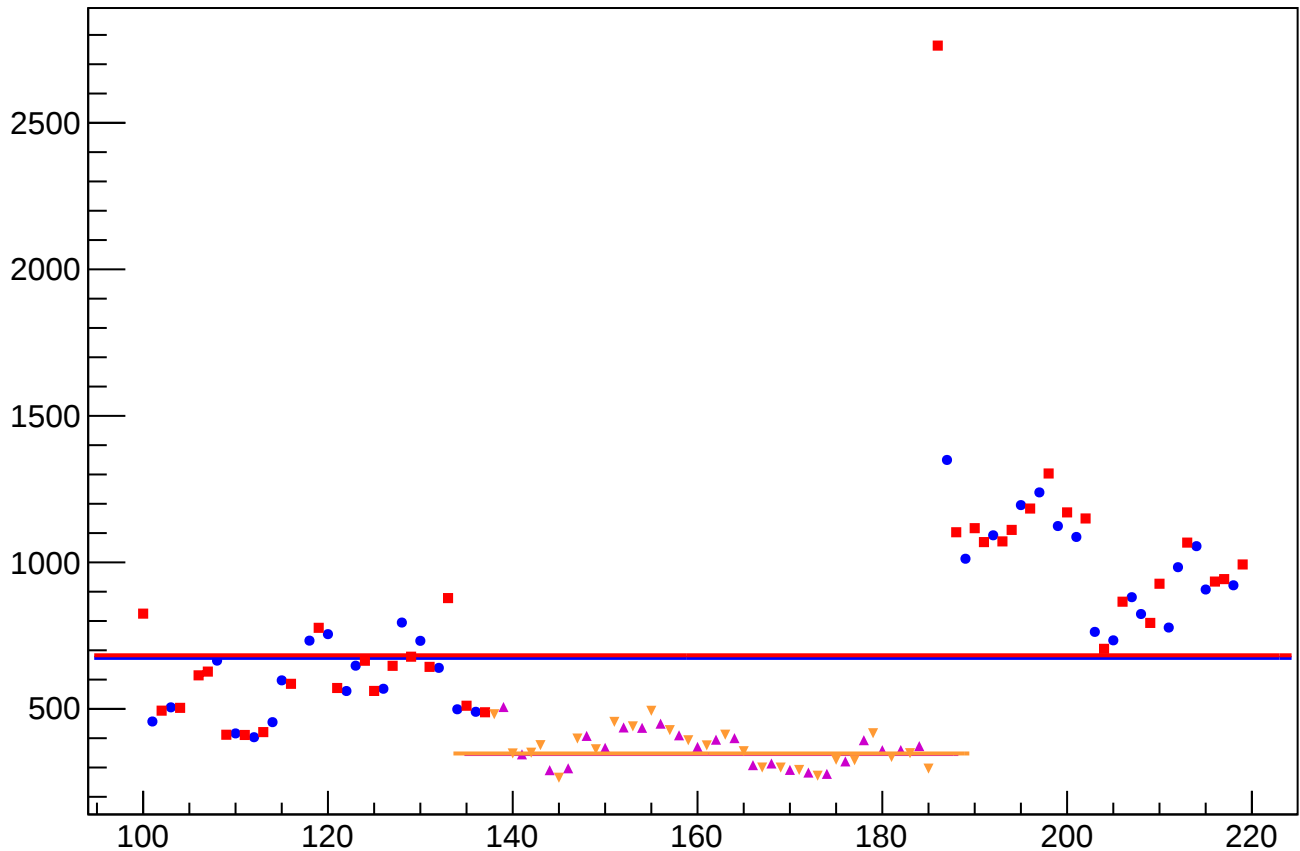
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -440.093 ± 73.941 χ^2/NDF : 115.0/57

All: -330.850 ± 52.649 χ^2/NDF : 211.0/117

- sign -218.499 ± 74.985 χ^2/NDF : 91.5/59

asym_sam_1357_avg_correction_rms vs Slug



Right In: 674.127 $\pm$ 0.119 χ^2 /NDF: 3839488.9/32

Left Out: 347.875 $\pm$ 0.058 χ^2 /NDF: 1044096.7/24

Right Out: 682.962 $\pm$ 0.117 χ^2 /NDF: 4922869.9/36

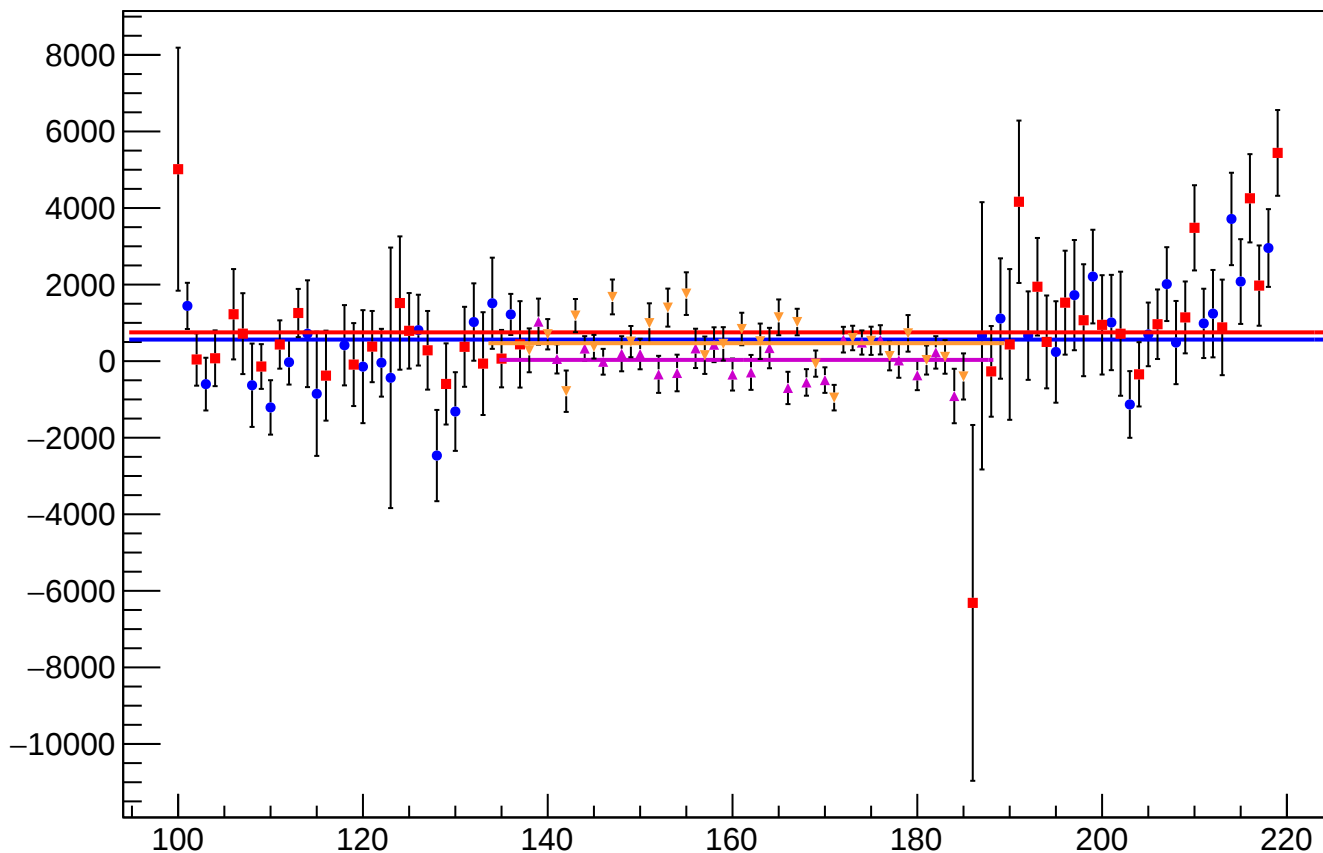
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF: 900847.0/22

+ sign 411.094 $\pm$ 0.052 χ^2 /NDF: 10966661.4/57

All: 412.957 $\pm$ 0.037 χ^2 /NDF: 23364882.4/11

- sign 414.872 $\pm$ 0.053 χ^2 /NDF: 12395648.2/59

asym_sam_1357_avg_mean vs Slug



Right In: 563.562 $\pm$ 169.120 χ^2 /NDF: 50.9/32

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 752.120 $\pm$ 167.026 χ^2 /NDF: 55.3/36

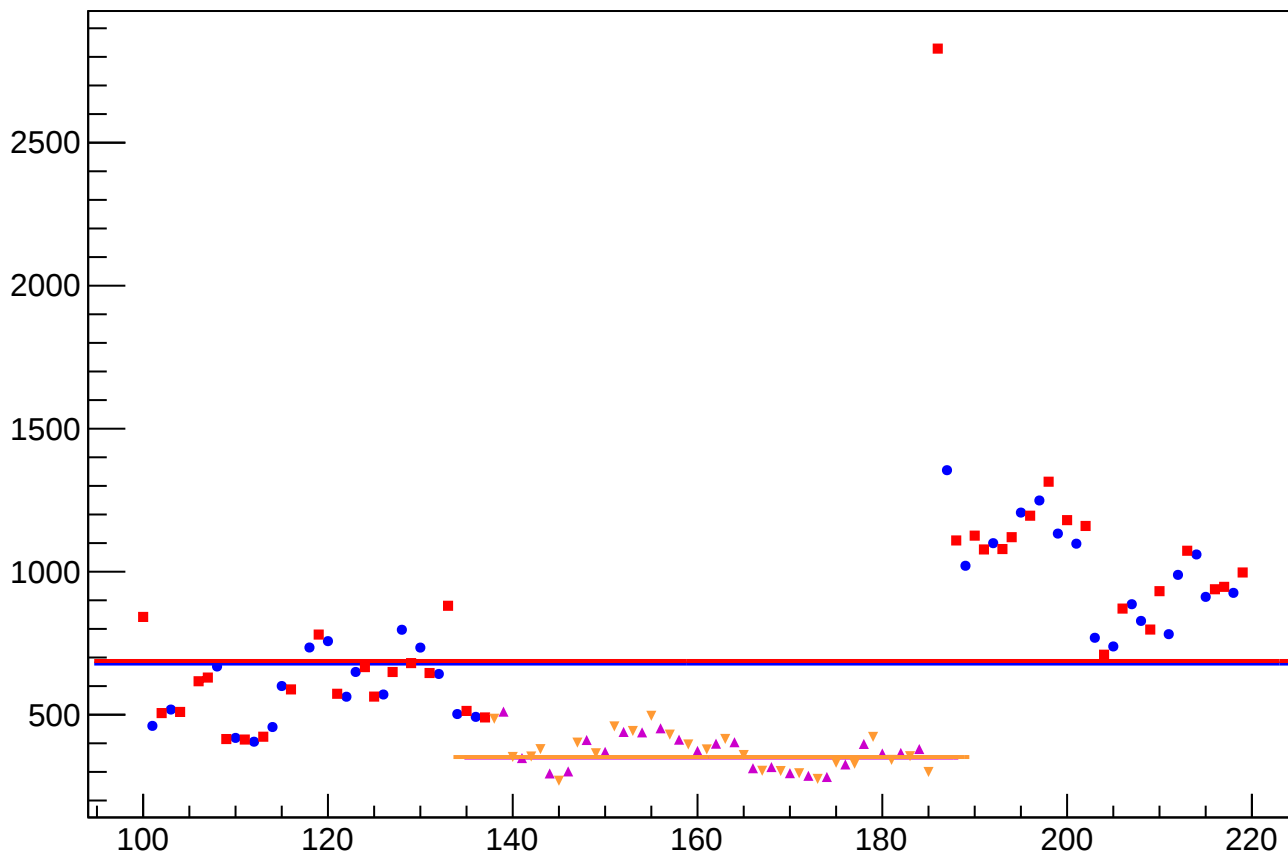
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 487.350 $\pm$ 74.724 χ^2 /NDF: 108.6/57

All: 336.338 $\pm$ 53.214 χ^2 /NDF: 212.6/117

- sign 180.946 $\pm$ 75.800 χ^2 /NDF: 95.7/59

asym_sam_1357_avg_rms vs Slug



Right In: 678.864+/-0.120 χ^2/NDF : 3828015.2/32

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 687.820+/-0.118 χ^2/NDF : 4915586.1/36

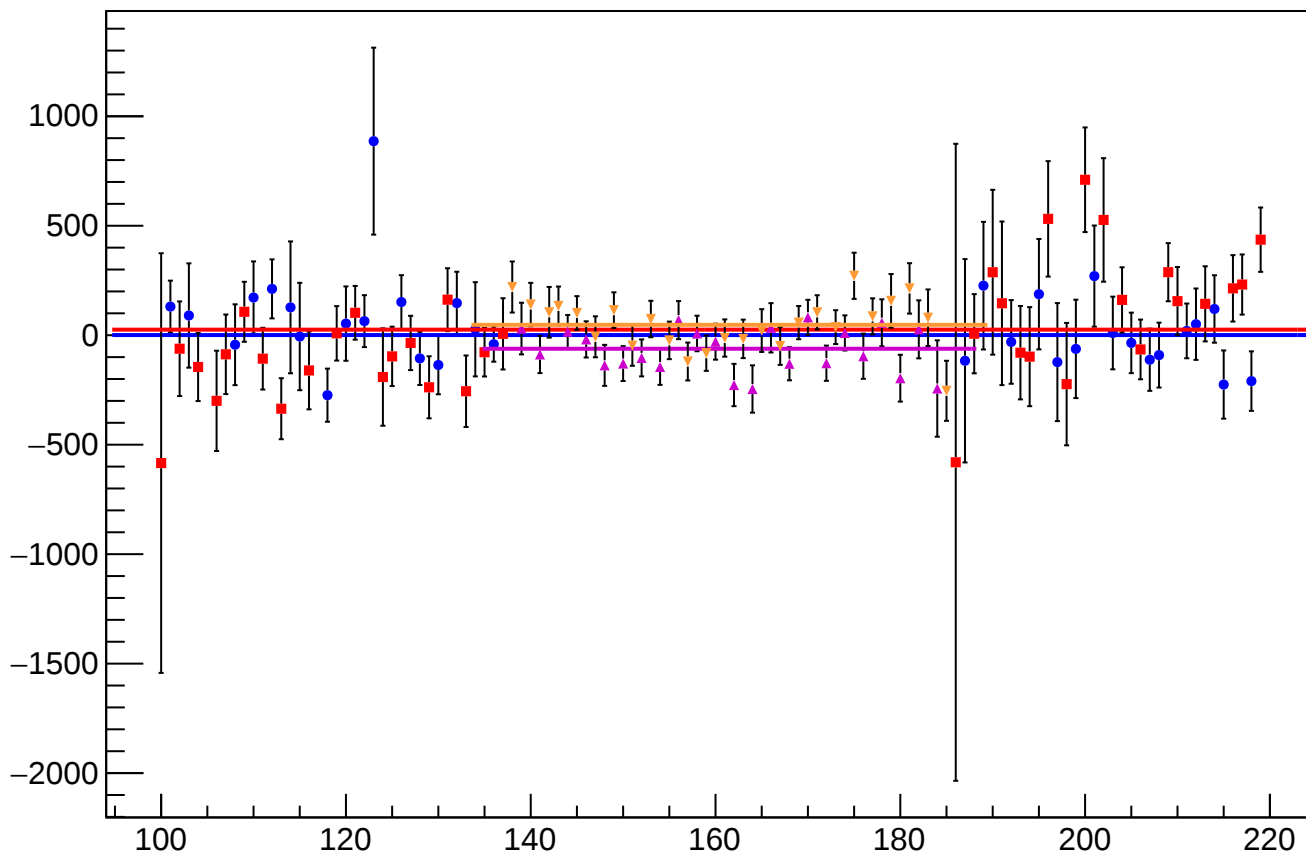
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 415.823+/-0.053 χ^2/NDF : 10857104.1/57

All: 417.735+/-0.038 χ^2/NDF : 23144048.4/119

- sign 419.702+/-0.054 χ^2/NDF : 12284288.1/59

reg_asym_sam_2468_avg_mean vs Slug



Right In: 0.725 ± 27.034 χ^2/NDF : 28.7/32

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: 25.507 ± 27.284 χ^2/NDF : 59.0/36

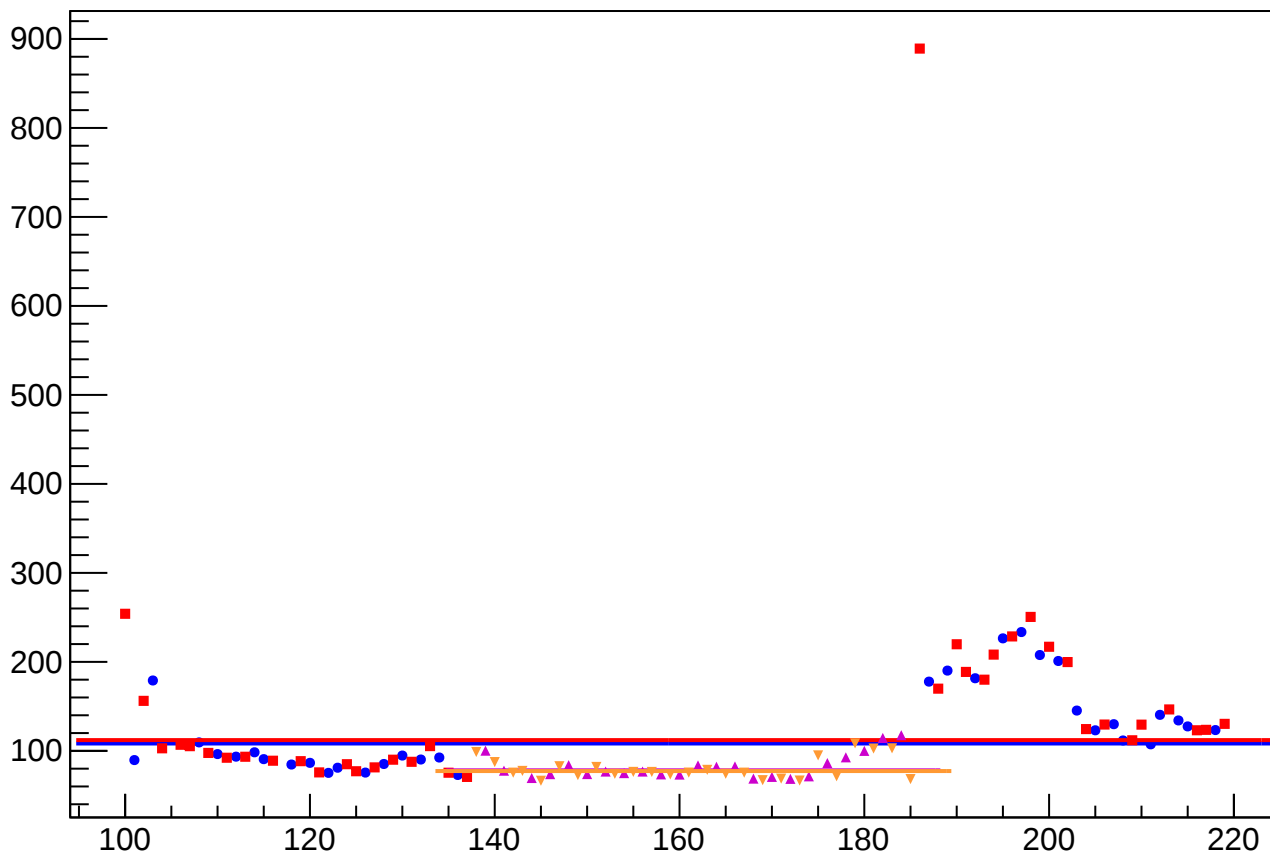
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 32.802 ± 15.127 χ^2/NDF : 60.2/57

All: 0.655 ± 10.849 χ^2/NDF : 159.3/117

- sign -33.394 ± 15.568 χ^2/NDF : 89.8/59

reg_asym_sam_2468_avg_rms vs Slug



Right In: 108.290+/-0.019 χ^2/NDF : 3654941.6/32

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 112.093+/-0.019 χ^2/NDF : 4513124.0/36

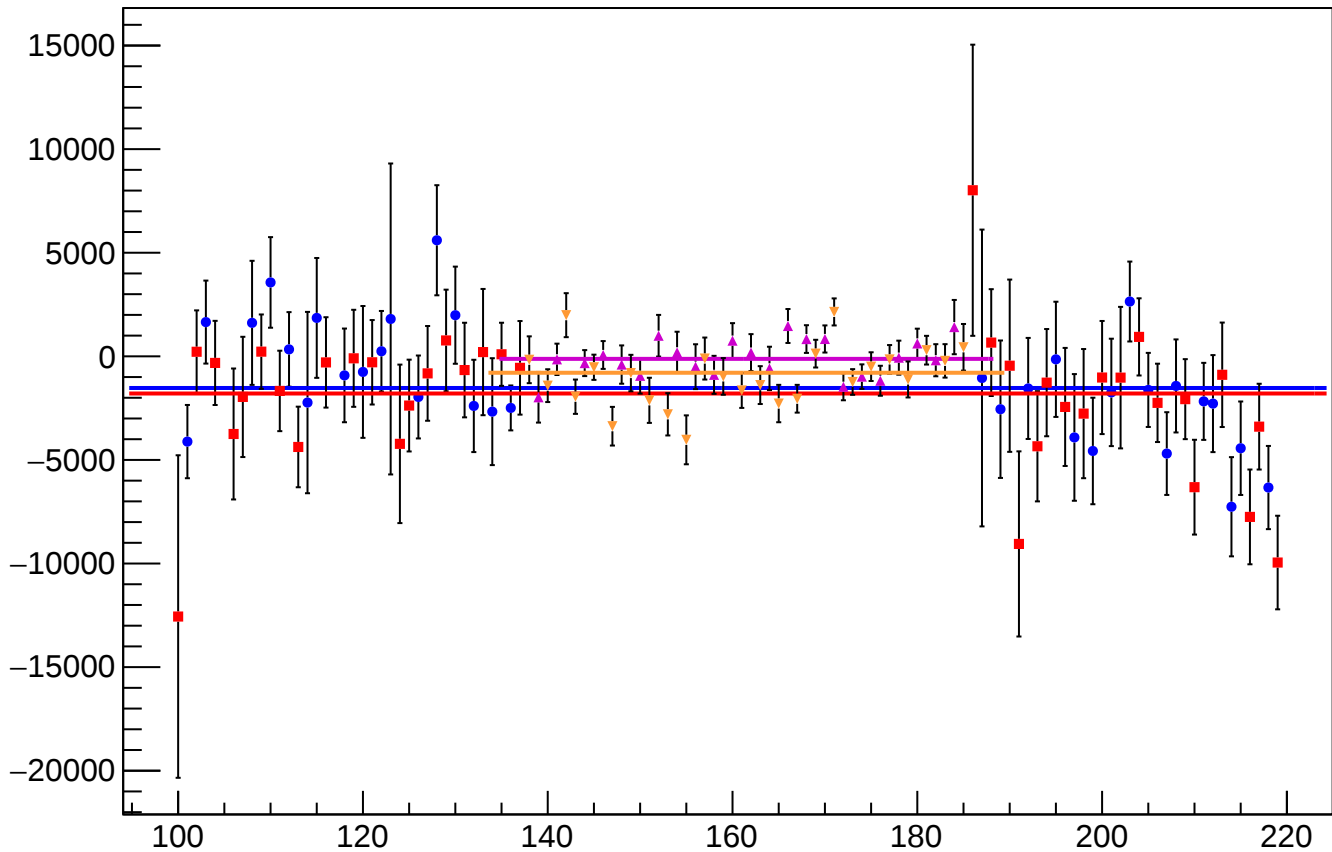
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 87.015+/-0.011 χ^2/NDF : 6093948.1/57

All: 88.073+/-0.008 χ^2/NDF : 13298293.6/117

- sign 89.194+/-0.011 χ^2/NDF : 7184192.9/59

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1527.508 ± 387.475 χ^2/NDF : 48.4/32

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1793.999 ± 389.842 χ^2/NDF : 46.2/36

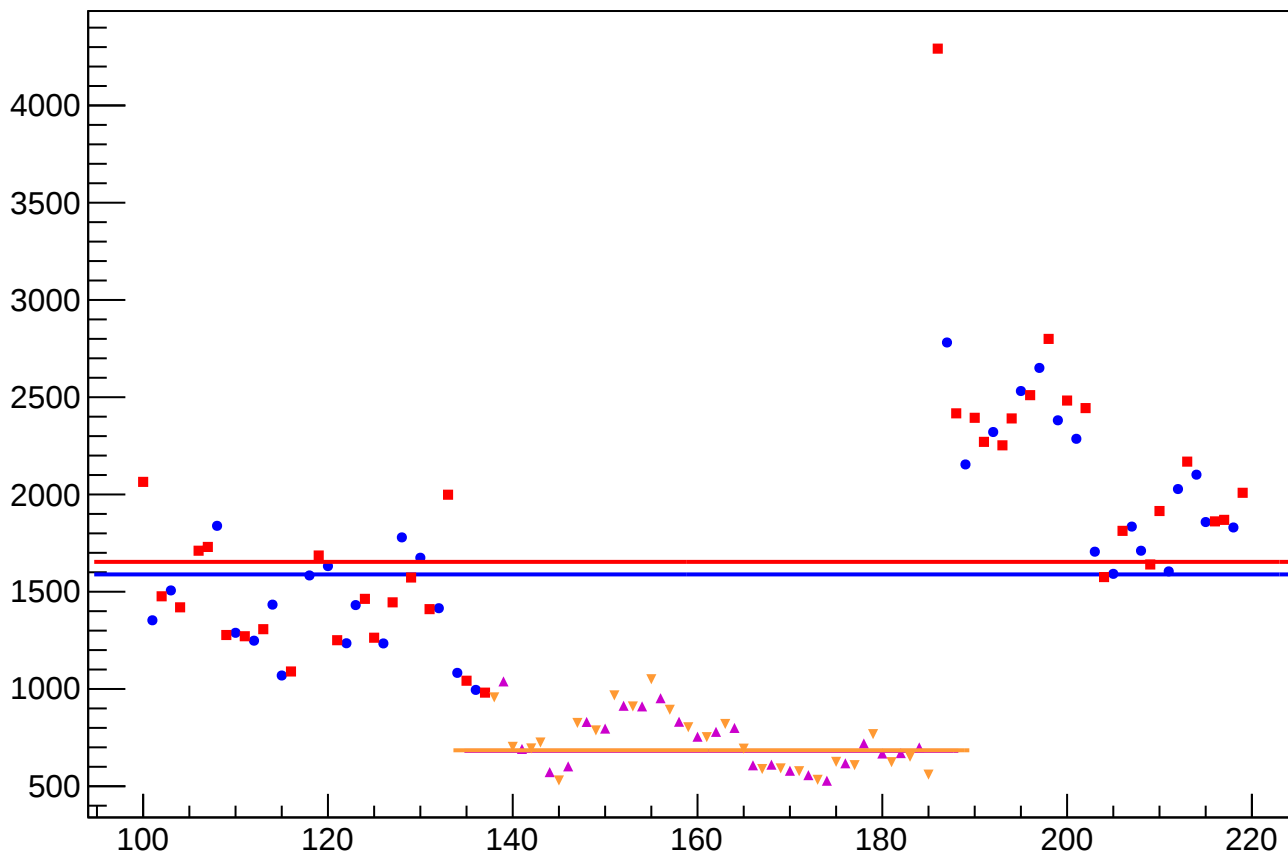
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -902.855 ± 149.980 χ^2/NDF : 118.0/57

All: -646.094 ± 107.063 χ^2/NDF : 211.7/117

- sign -379.304 ± 152.881 χ^2/NDF : 87.7/59

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1589.005 ± 0.274 $\chi^2/\text{NDF}: 2424632.4/32$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

+ sign 820.258 ± 0.106 $\chi^2/\text{NDF}: 12964564.1/57$

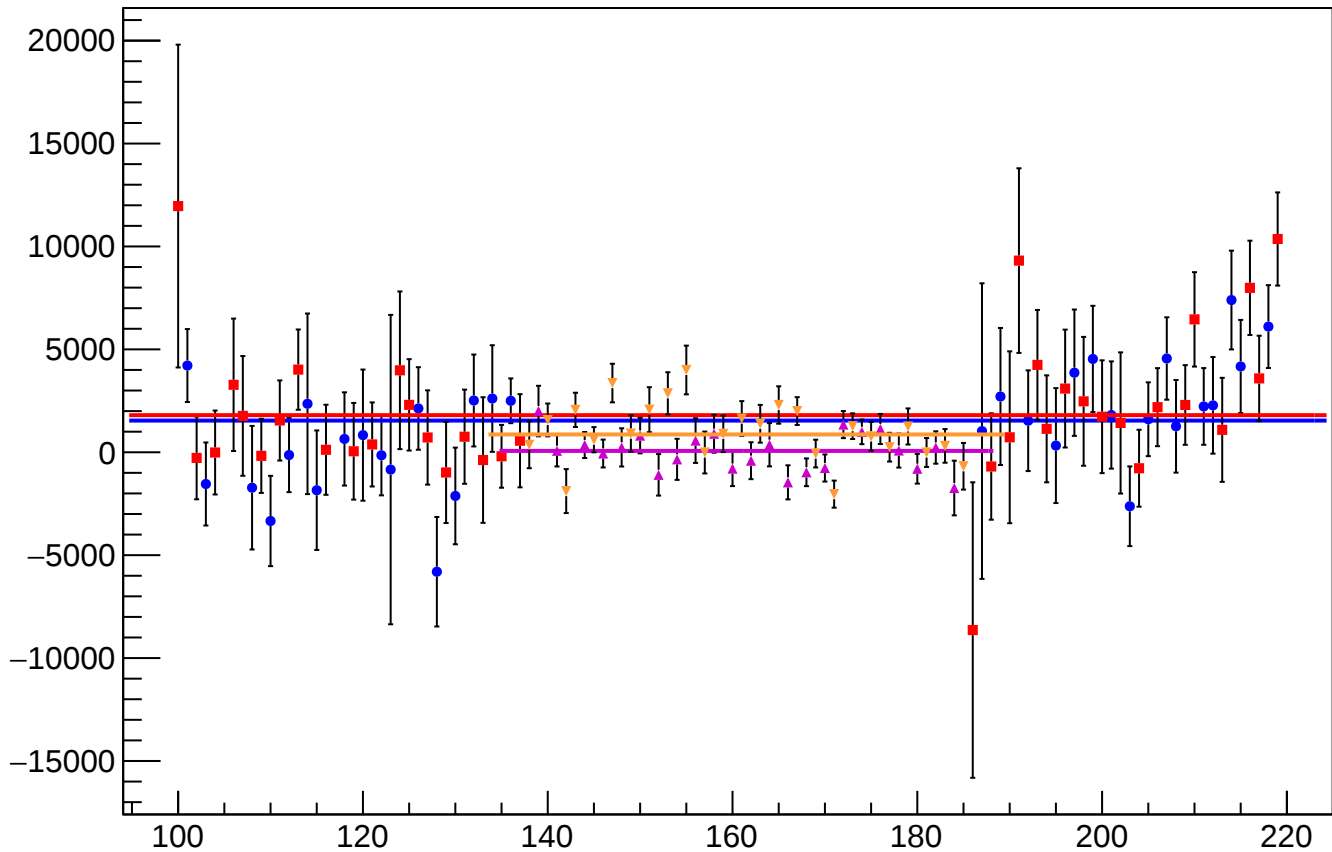
Right Out: 1653.482 ± 0.276 $\chi^2/\text{NDF}: 2905605.9/36$

All: 825.605 ± 0.076 $\chi^2/\text{NDF}: 27511156.4/11$

Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

- sign 831.161 ± 0.108 $\chi^2/\text{NDF}: 14541408.9/59$

asym_sam_2468_avg_mean vs Slug



Right In: 1539.808 $\pm$ 388.619 χ^2 /NDF: 47.2/32

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF: 62.8/24

Right Out: 1802.297 $\pm$ 391.113 χ^2 /NDF: 48.1/36

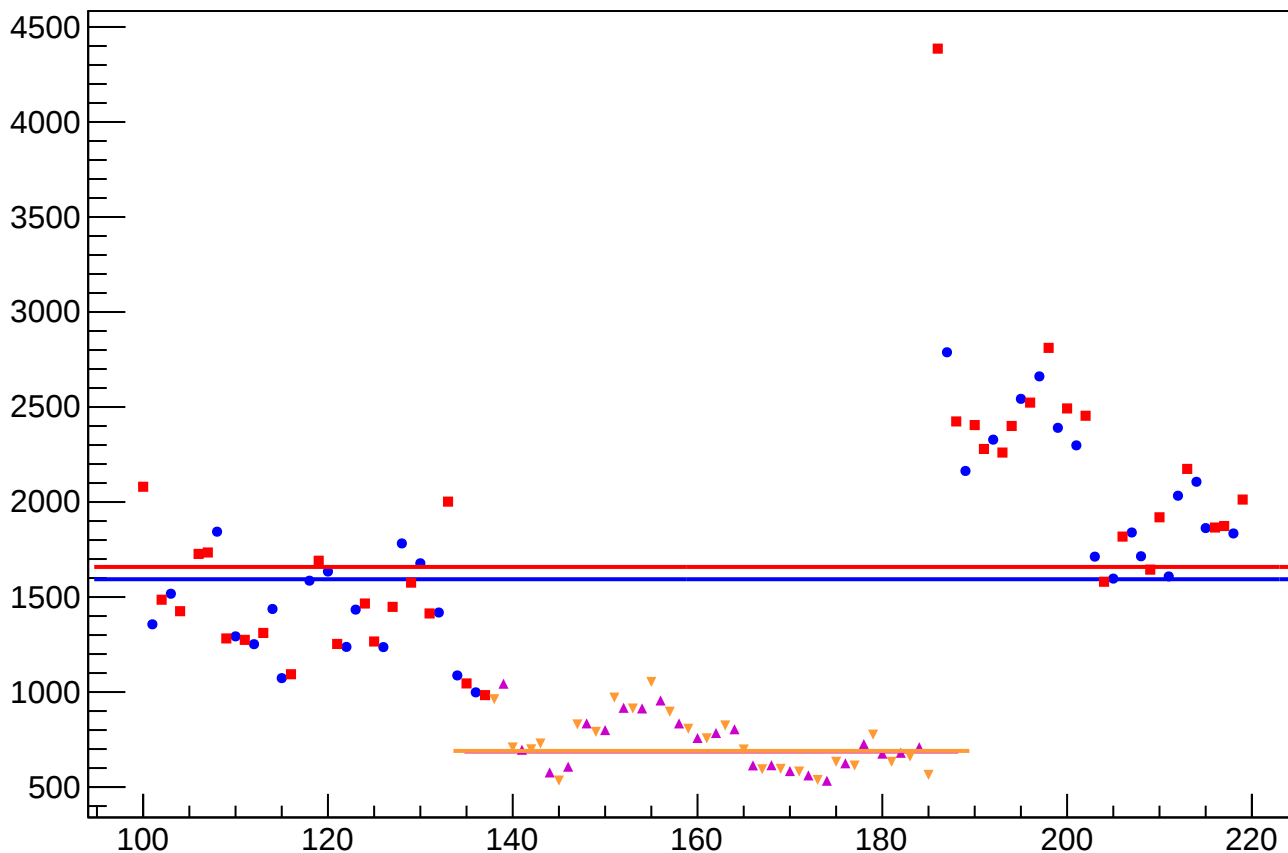
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF: 26.4/22

+ sign 967.395 $\pm$ 151.007 χ^2 /NDF: 112.6/57

All: 657.322 $\pm$ 107.808 χ^2 /NDF: 212.4/117

- sign 334.994 $\pm$ 153.962 χ^2 /NDF: 91.2/59

asym_sam_2468_avg_rms vs Slug



Right In: 1593.634+/-0.275 χ^2/NDF : 2427650.4/32

Left Out: 690.166+/-0.116 χ^2/NDF :1258158.2/24

Right Out: 1658.392+/-0.277 χ^2/NDF : 2916786.8/36

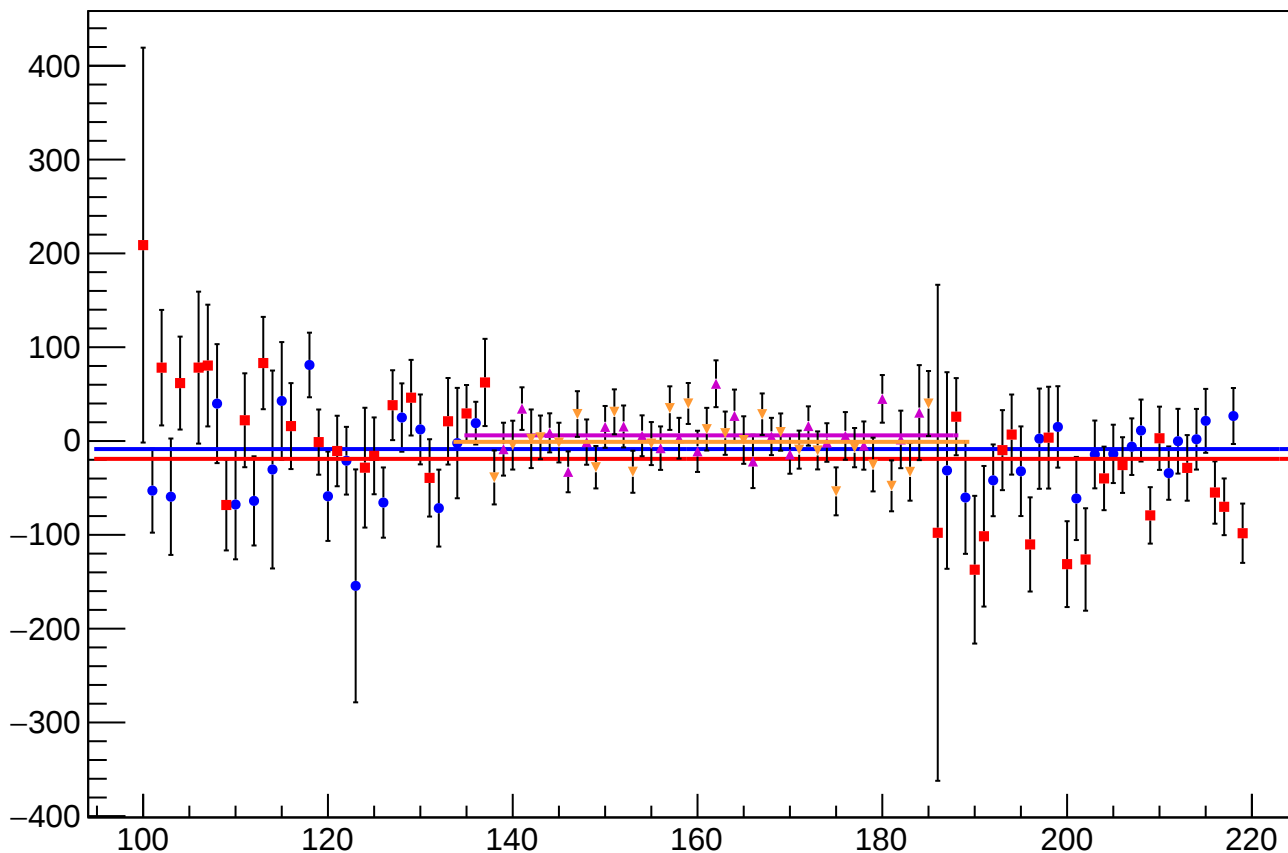
Left In: 687.216+/-0.118 χ^2/NDF :1099706.1/22

+ sign 826.580+/-0.107 χ^2/NDF : 12863213.4/57

All: 832.037+/-0.076 χ^2/NDF : 27305764.1/11

- sign 837.711+/-0.109 χ^2/NDF : 14437222.8/59

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -8.568 ± 6.914 χ^2/NDF : 29.1/32

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -19.025 ± 6.980 χ^2/NDF : 62.4/36

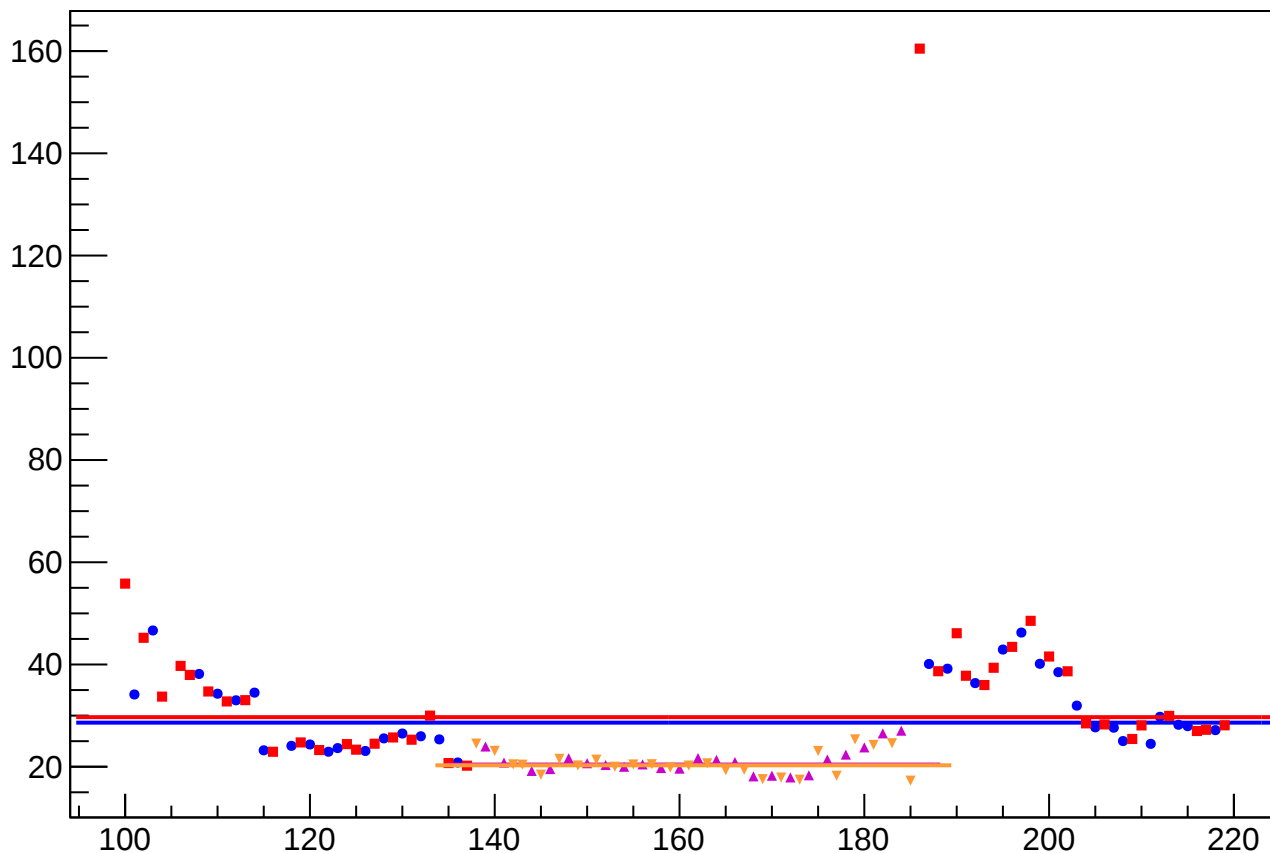
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.340 ± 3.921 χ^2/NDF : 57.9/57

All: -2.829 ± 2.808 χ^2/NDF : 145.9/117

- sign -2.291 ± 4.024 χ^2/NDF : 88.0/59

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.625 $\pm$ 0.005 χ^2 /NDF: 1618800.8/32

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 29.697 $\pm$ 0.005 χ^2 /NDF: 2322077.1/36

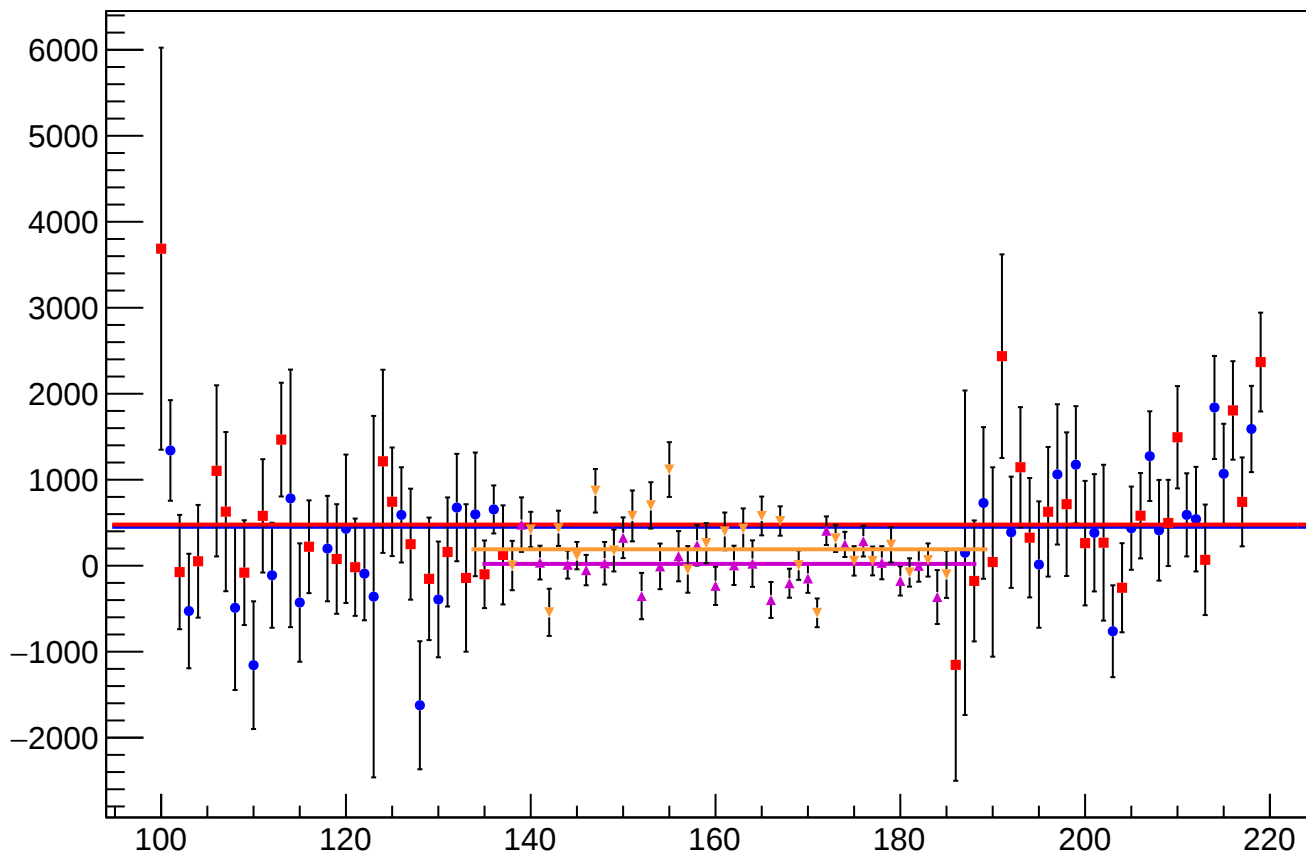
Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

+ sign 22.963 $\pm$ 0.003 χ^2 /NDF: 4003002.2/57

All: 23.228 $\pm$ 0.002 χ^2 /NDF: 9024280.8/117

- sign 23.507 $\pm$ 0.003 χ^2 /NDF: 5002579.5/59

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 452.608 $\pm$ 106.476 χ^2 /NDF: 45.7/32

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 478.240 $\pm$ 108.020 χ^2 /NDF: 41.1/36

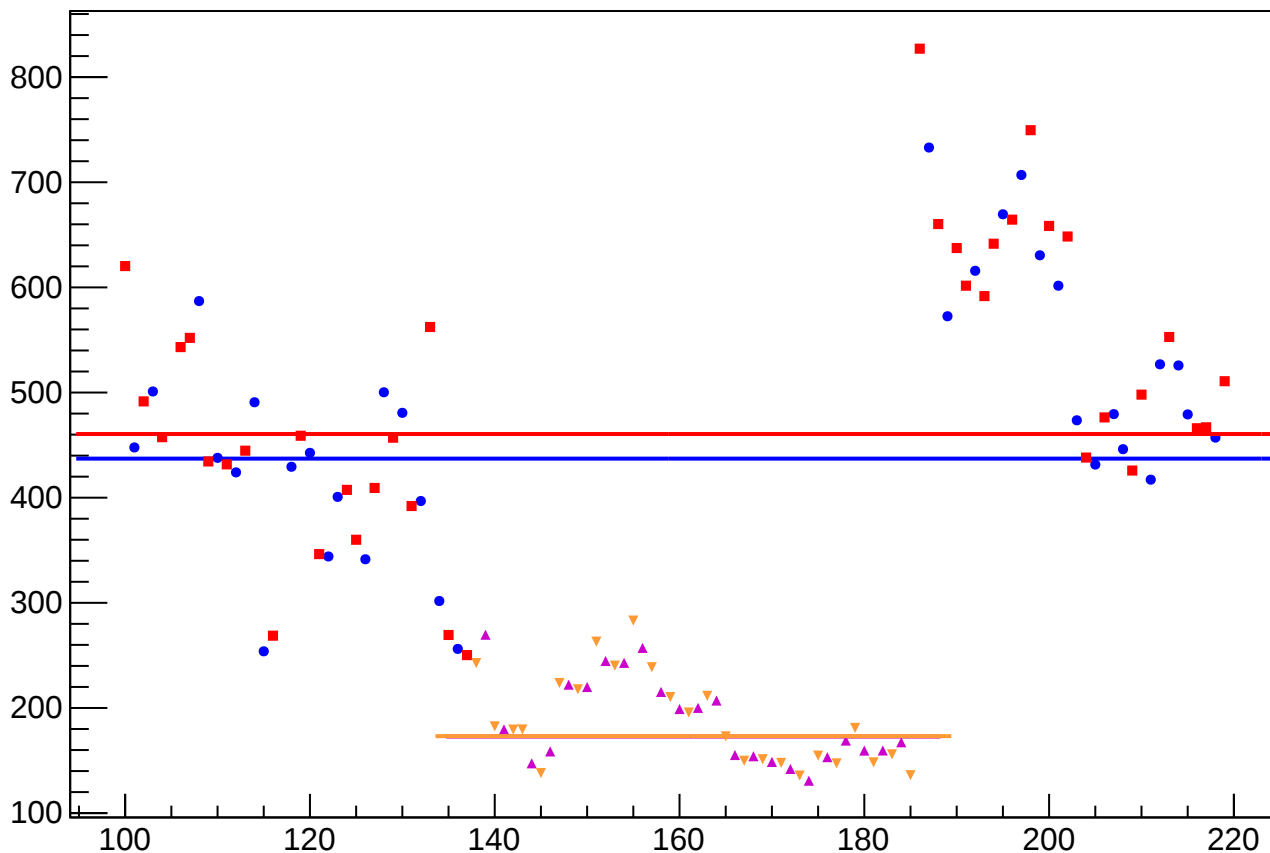
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 225.117 $\pm$ 38.516 χ^2 /NDF: 118.8/57

All: 155.033 $\pm$ 27.535 χ^2 /NDF: 209.9/117

- sign 81.769 $\pm$ 39.380 χ^2 /NDF: 84.3/59

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 437.160+/-0.075 χ^2/NDF : 2346838.2/32

Left Out: 173.210+/-0.029 χ^2/NDF :1561250.6/24

Right Out: 460.551+/-0.076 χ^2/NDF : 2545073.7/36

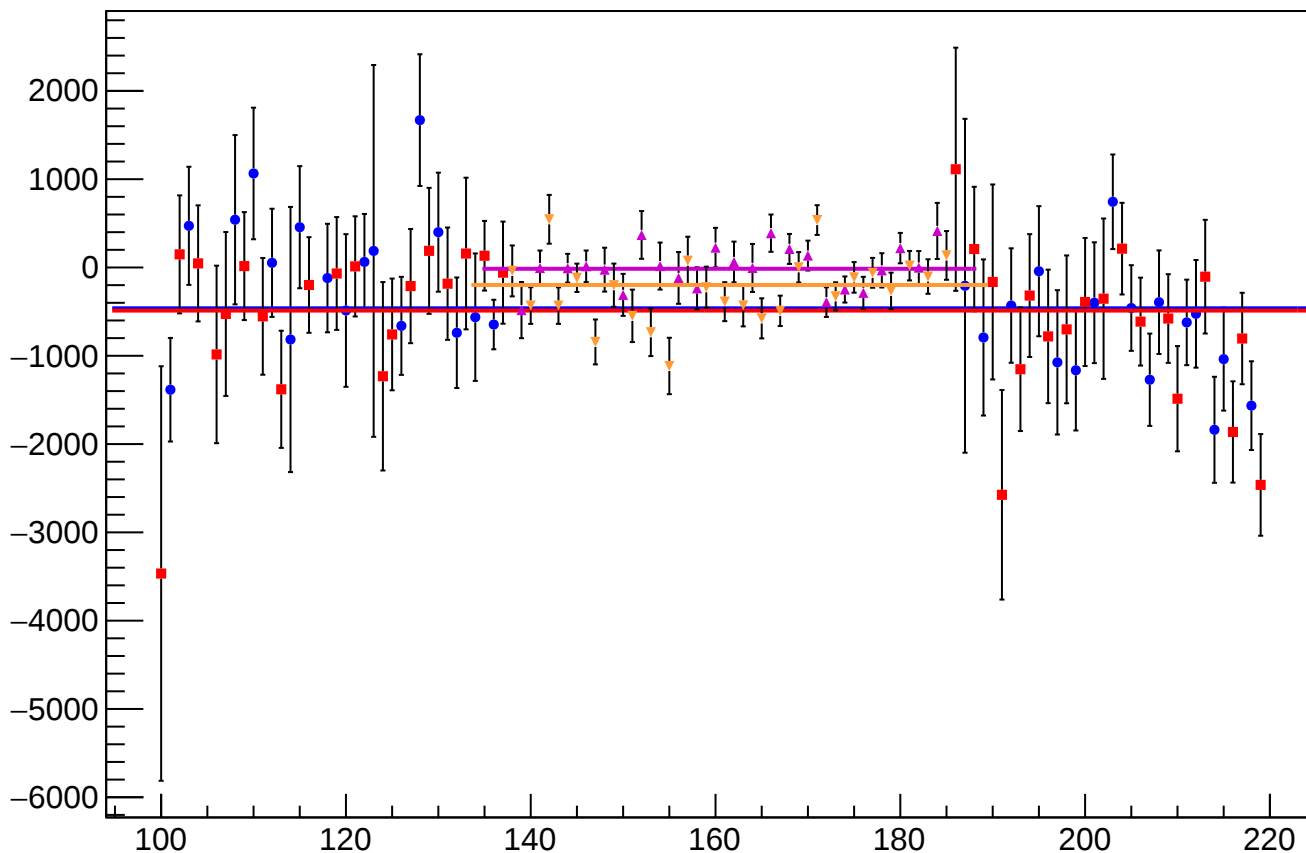
Left In: 172.828+/-0.030 χ^2/NDF :1372131.7/22

+ sign 207.749+/-0.027 χ^2/NDF : 14590435.3/57

All: 209.372+/-0.019 χ^2/NDF : 30818759.9/11

- sign 211.068+/-0.028 χ^2/NDF : 16221060.2/59

asym_sam_1357_2468_dd_mean vs Slug



Right In: -462.581 ± 106.737 χ^2/NDF : 44.9/32

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -487.951 ± 108.301 χ^2/NDF : 42.7/36

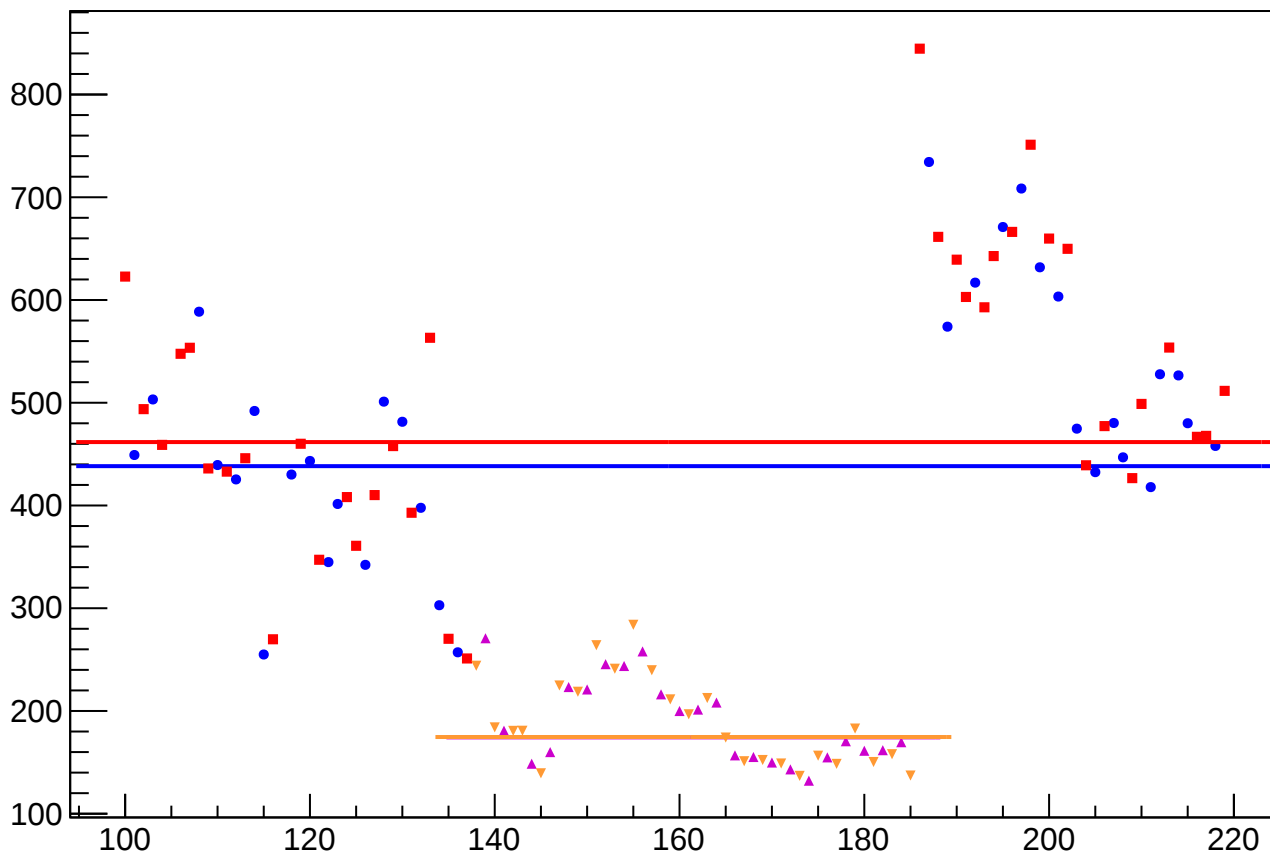
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -232.874 ± 38.791 χ^2/NDF : 114.5/57

All: -157.222 ± 27.734 χ^2/NDF : 209.2/117

- sign -78.114 ± 39.667 χ^2/NDF : 86.9/59

asym_sam_1357_2468_dd_rms vs Slug



Right In: 438.291+/-0.075 χ^2/NDF : 2339080.5/32

Left Out: 174.648+/-0.029 χ^2/NDF :1531999.5/24

Right Out: 461.725+/-0.077 χ^2/NDF : 2547187.7/36

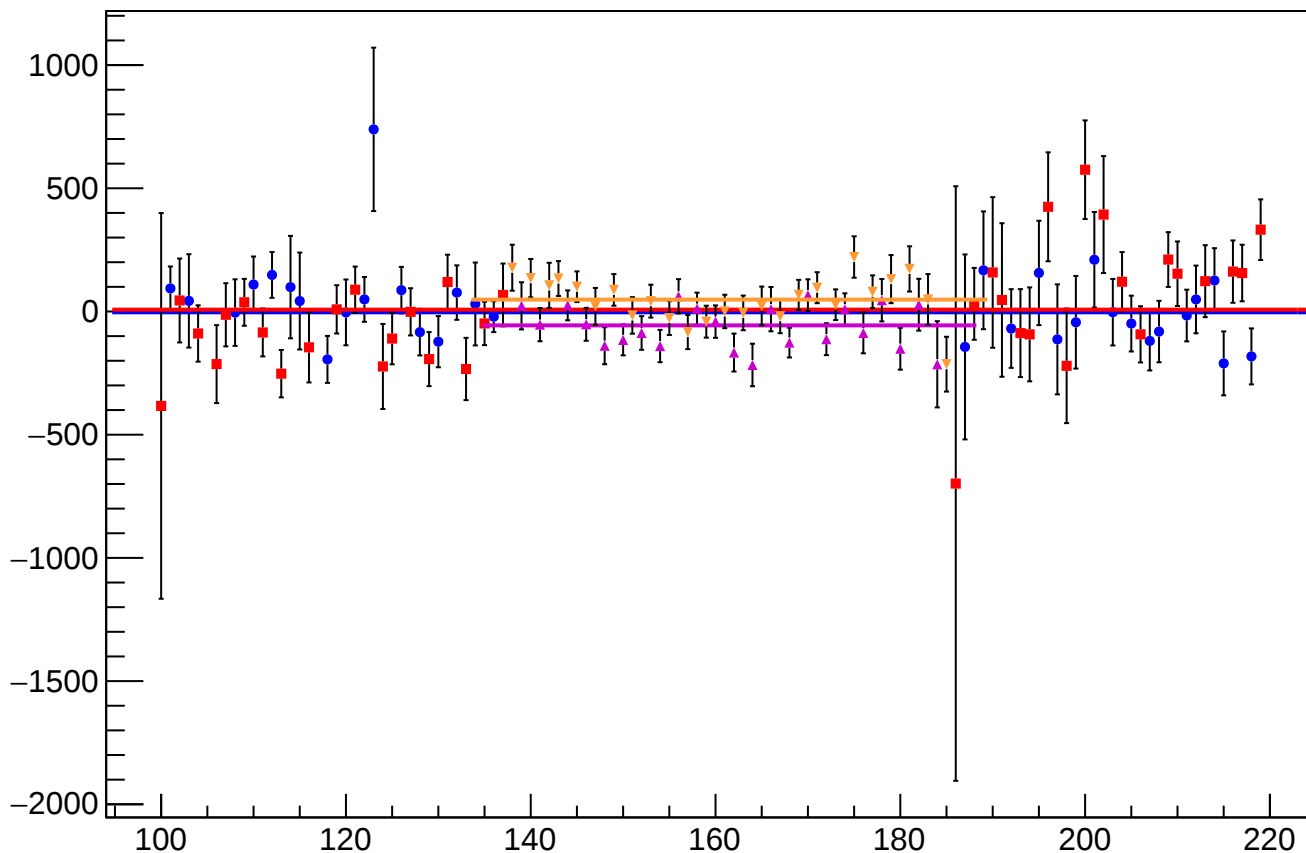
Left In: 174.288+/-0.030 χ^2/NDF :1344779.5/22

+ sign 209.469+/-0.027 χ^2/NDF : 14461391.3/57

All: 211.121+/-0.020 χ^2/NDF : 30558891.3/11

- sign 212.848+/-0.028 χ^2/NDF : 16090081.1/59

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -3.265 ± 21.300 χ^2/NDF : 28.7/32

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: 7.449 ± 21.305 χ^2/NDF : 58.3/36

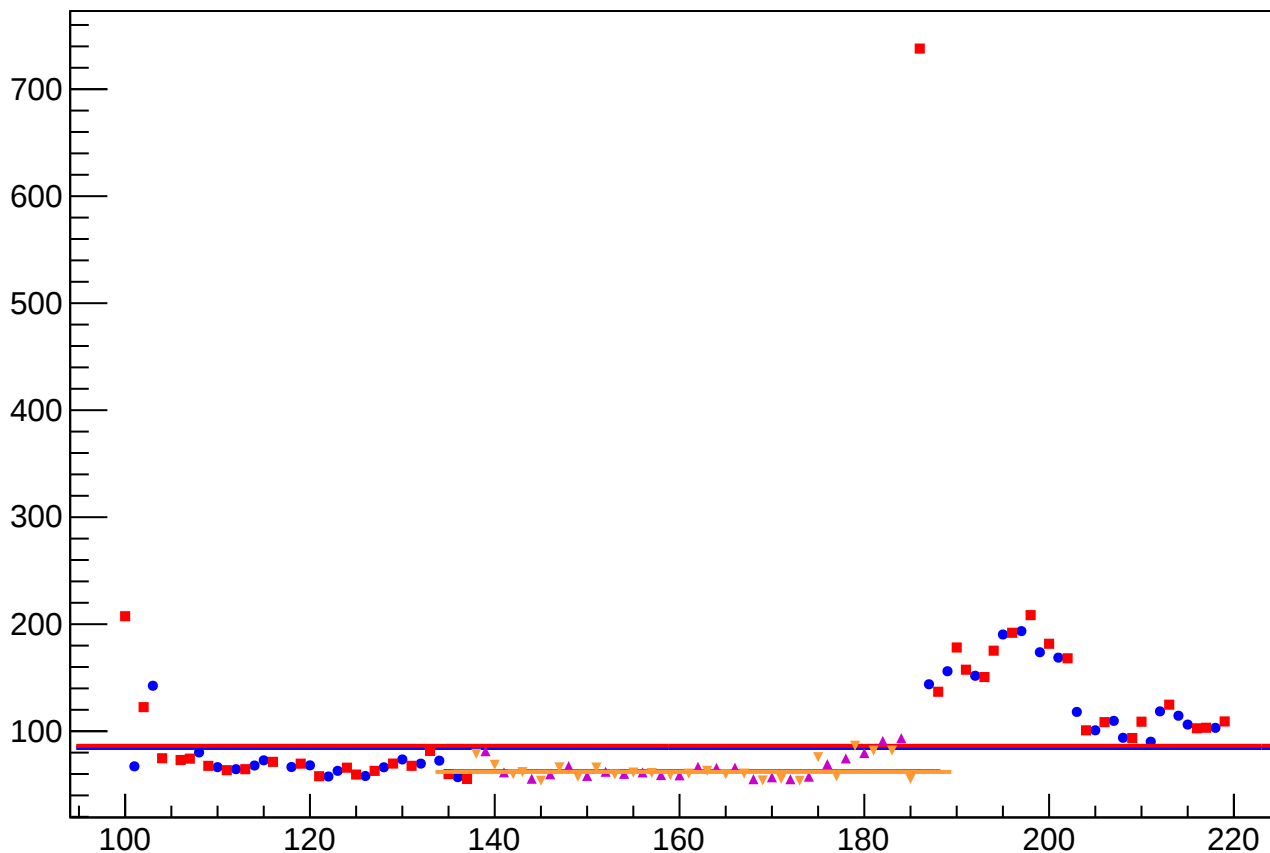
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 31.748 ± 12.051 χ^2/NDF : 61.9/57

All: -0.722 ± 8.630 χ^2/NDF : 168.5/117

- sign -34.899 ± 12.364 χ^2/NDF : 91.7/59

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 84.347+/-0.015 χ^2/NDF : 4394076.8/32

Left Out: 61.946+/-0.010 χ^2/NDF : 604989.2/24

Right Out: 86.349+/-0.015 χ^2/NDF : 5388418.1/36

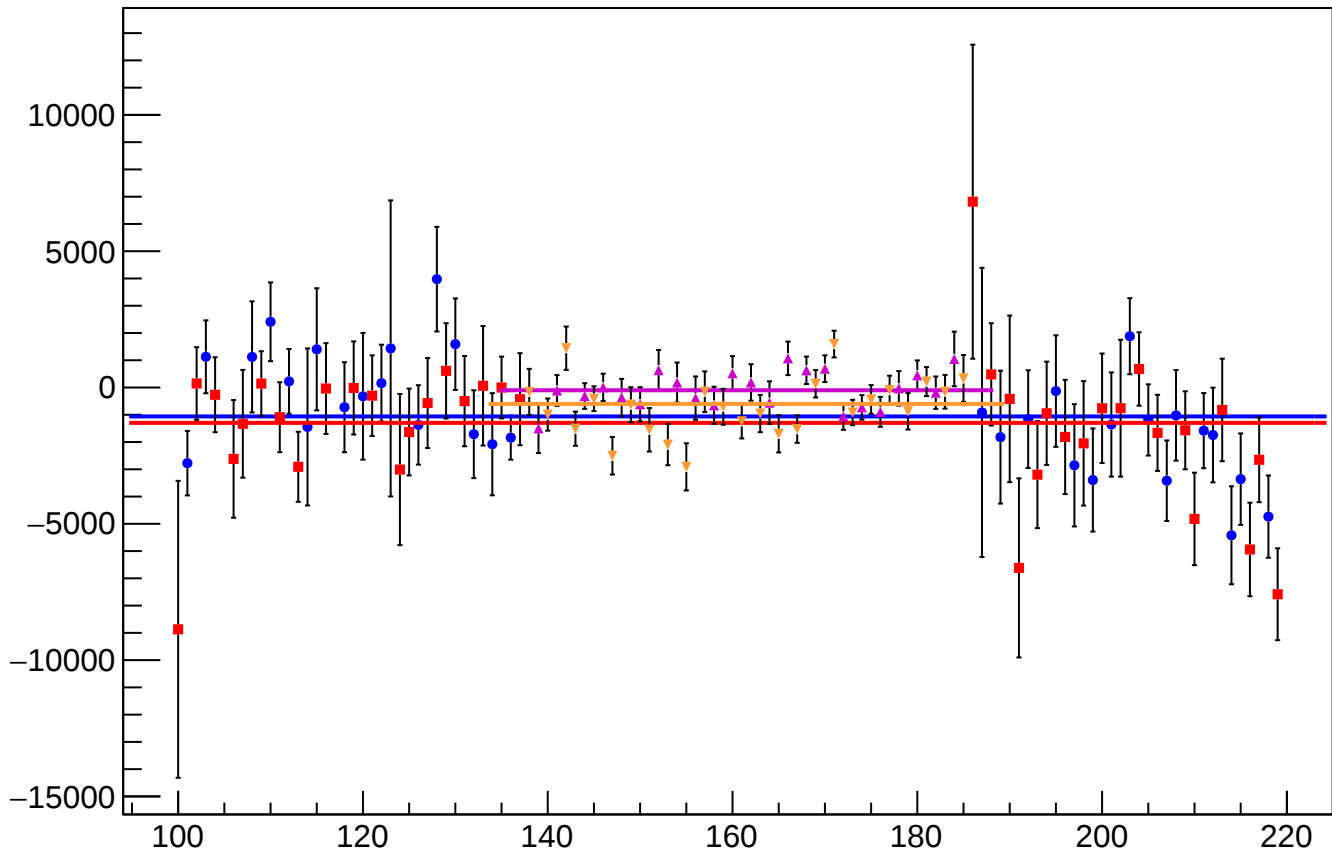
Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

+ sign 69.117+/-0.009 χ^2/NDF : 6502907.7/57

All: 69.841+/-0.006 χ^2/NDF : 14128871.9/117

- sign 70.603+/-0.009 χ^2/NDF : 7611152.2/59

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -1061.209 ± 279.484 χ^2/NDF : 49.5/32

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -1296.537 ± 279.851 χ^2/NDF : 48.2/36

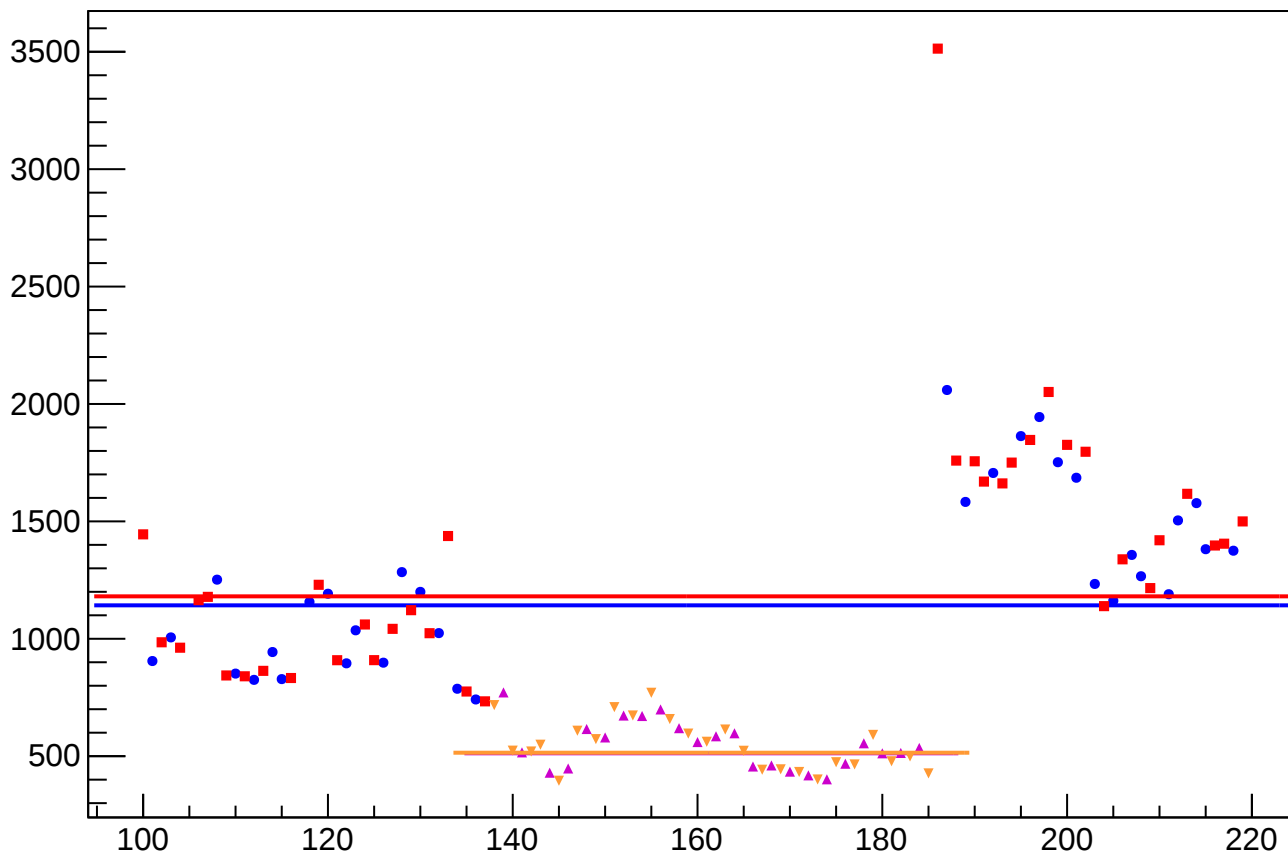
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -675.185 ± 111.903 χ^2/NDF : 117.2/57

All: -490.330 ± 79.832 χ^2/NDF : 211.6/117

- sign -298.743 ± 113.923 χ^2/NDF : 88.9/59

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1142.418 $\pm$ 0.198 χ^2 /NDF: 2641667.2/32

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1180.717 $\pm$ 0.198 χ^2 /NDF: 3274352.1/36

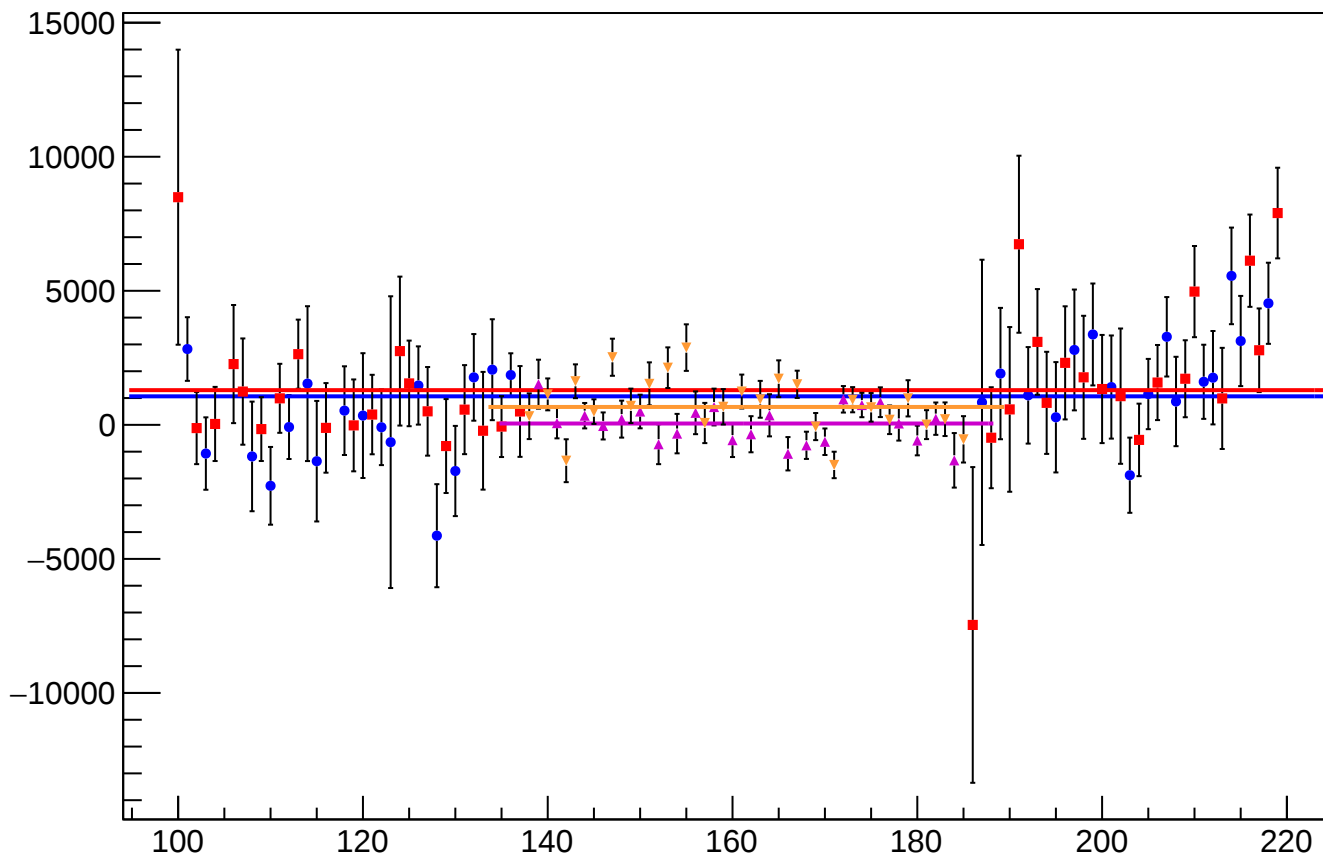
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 615.379 $\pm$ 0.079 χ^2 /NDF: 12306591.3/57

All: 619.113 $\pm$ 0.056 χ^2 /NDF: 26148512.8/1

- sign 622.983 $\pm$ 0.081 χ^2 /NDF: 13837386.4/59

asym_sam_12345678_avg_mean vs Slug



Right In: 1063.849 $\pm$ 280.500 χ^2 /NDF: 48.2/32

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF: 61.5/24

Right Out: 1294.397 $\pm$ 280.967 χ^2 /NDF: 50.2/36

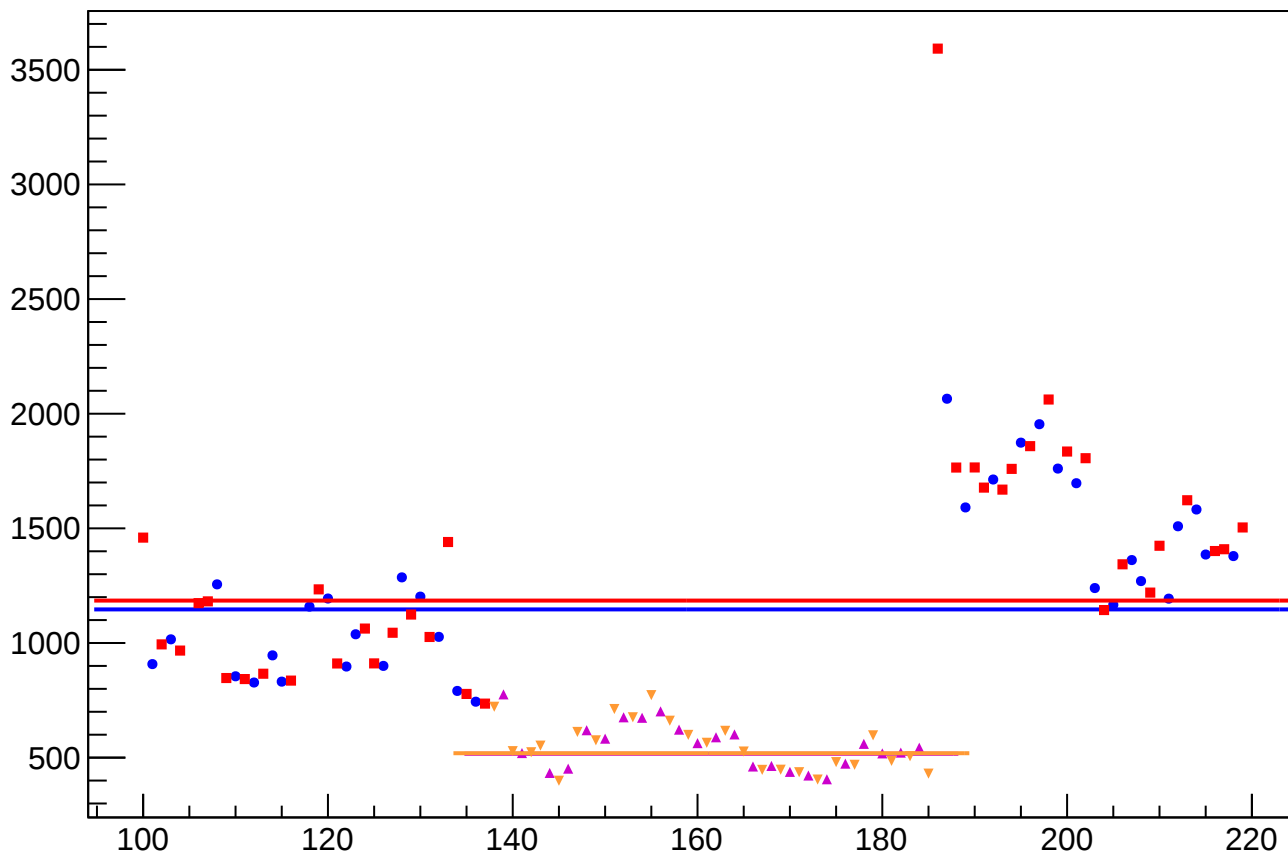
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF: 26.1/22

+ sign 731.652 $\pm$ 112.758 χ^2 /NDF: 111.3/57

All: 499.062 $\pm$ 80.451 χ^2 /NDF: 212.7/117

- sign 257.884 $\pm$ 114.820 χ^2 /NDF: 92.7/59

asym_sam_12345678_avg_rms vs Slug



Right In: 1146.478 $\pm$ 0.198 χ^2 /NDF: 2647250.3/32

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF: 1172411.1/24

Right Out: 1184.998 $\pm$ 0.199 χ^2 /NDF: 3287153.1/36

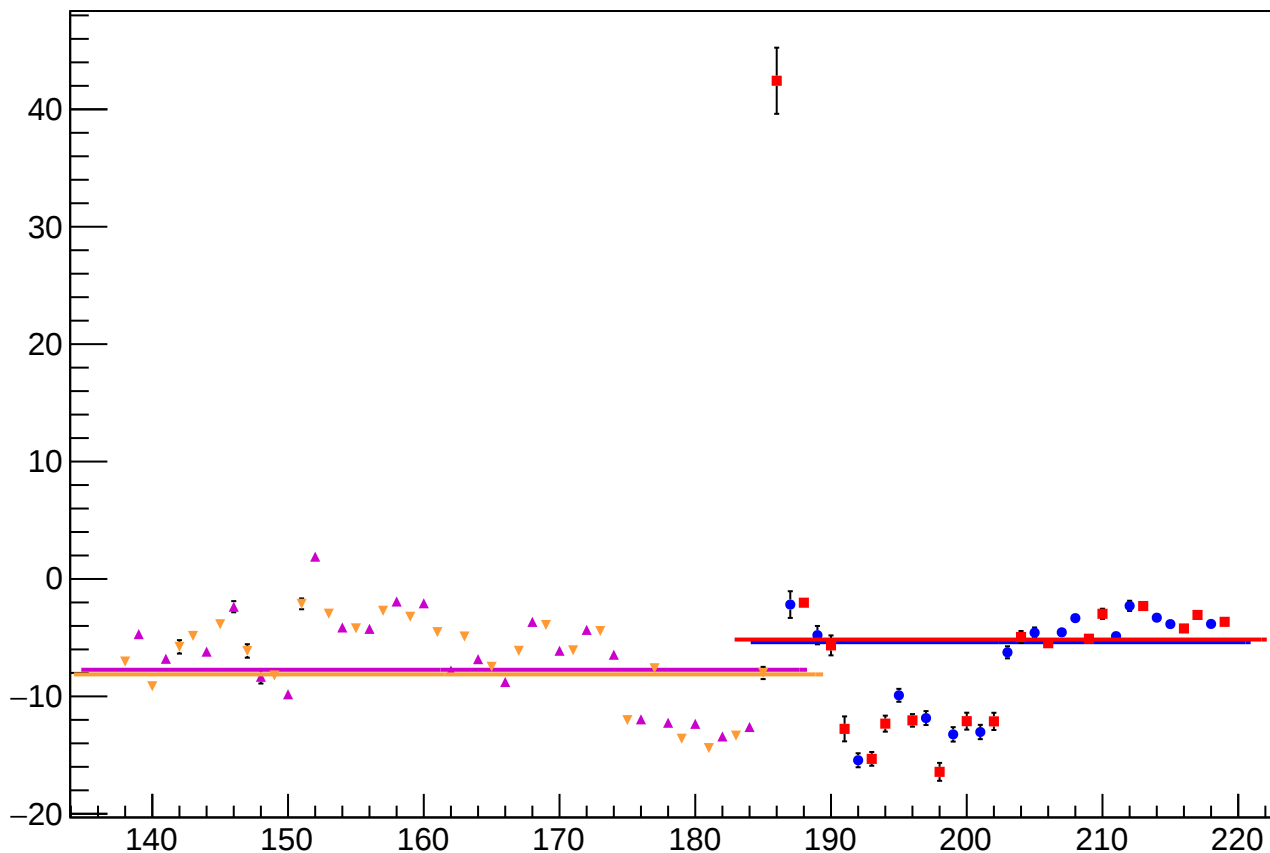
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF: 1021374.1/22

+ sign 620.610 $\pm$ 0.080 χ^2 /NDF: 12203897.2/57

All: 624.427 $\pm$ 0.057 χ^2 /NDF: 25939935.4/1

- sign 628.385 $\pm$ 0.081 χ^2 /NDF: 13731369.9/59

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.384 ± 0.107 χ^2/NDF : 995.9/15

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -5.159 ± 0.103 χ^2/NDF : 1595.2/17

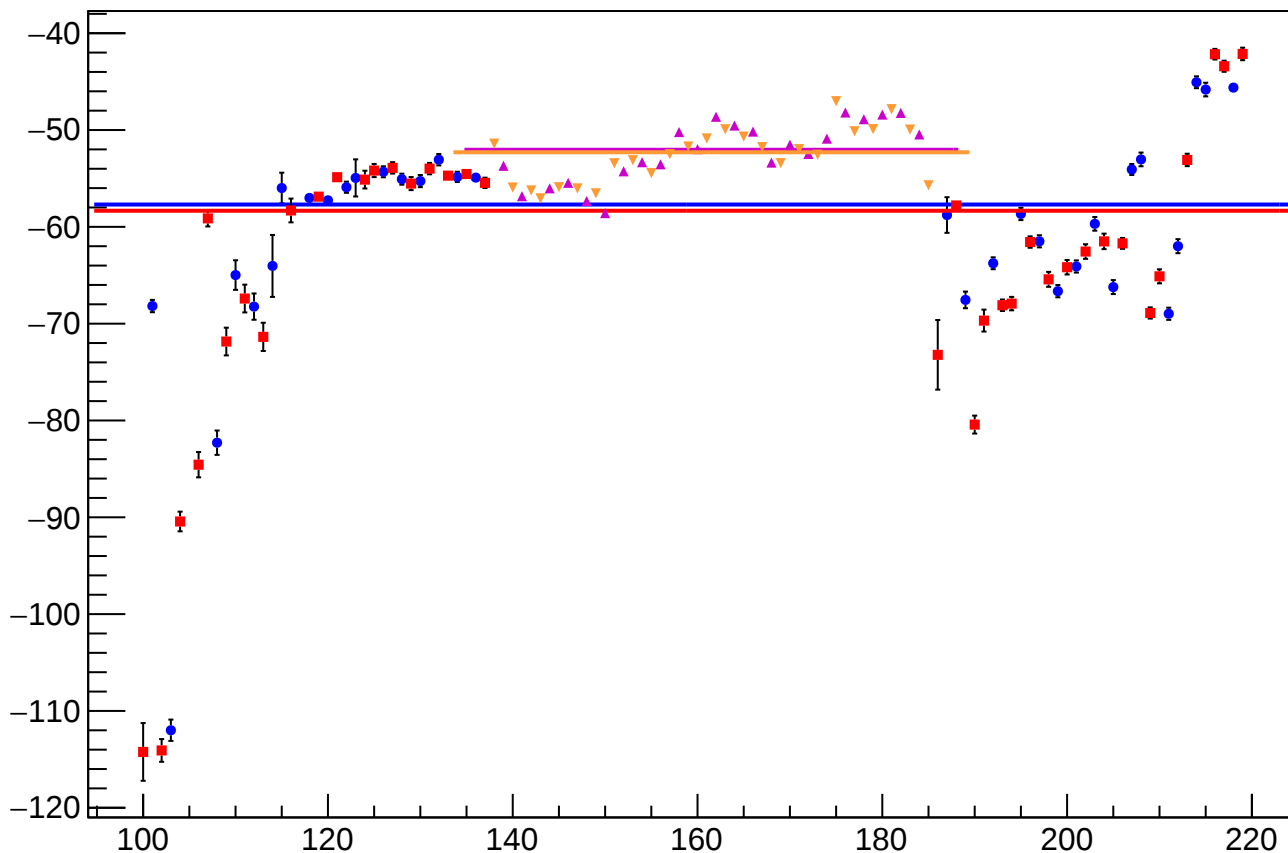
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -7.353 ± 0.057 χ^2/NDF : 5099.0/40

All: -7.146 ± 0.040 χ^2/NDF : 10870.6/81

- sign -6.938 ± 0.057 χ^2/NDF : 5745.2/40

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.695 ± 0.108 χ^2/NDF : 5972.0/32

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -58.337 ± 0.106 χ^2/NDF : 8784.2/36

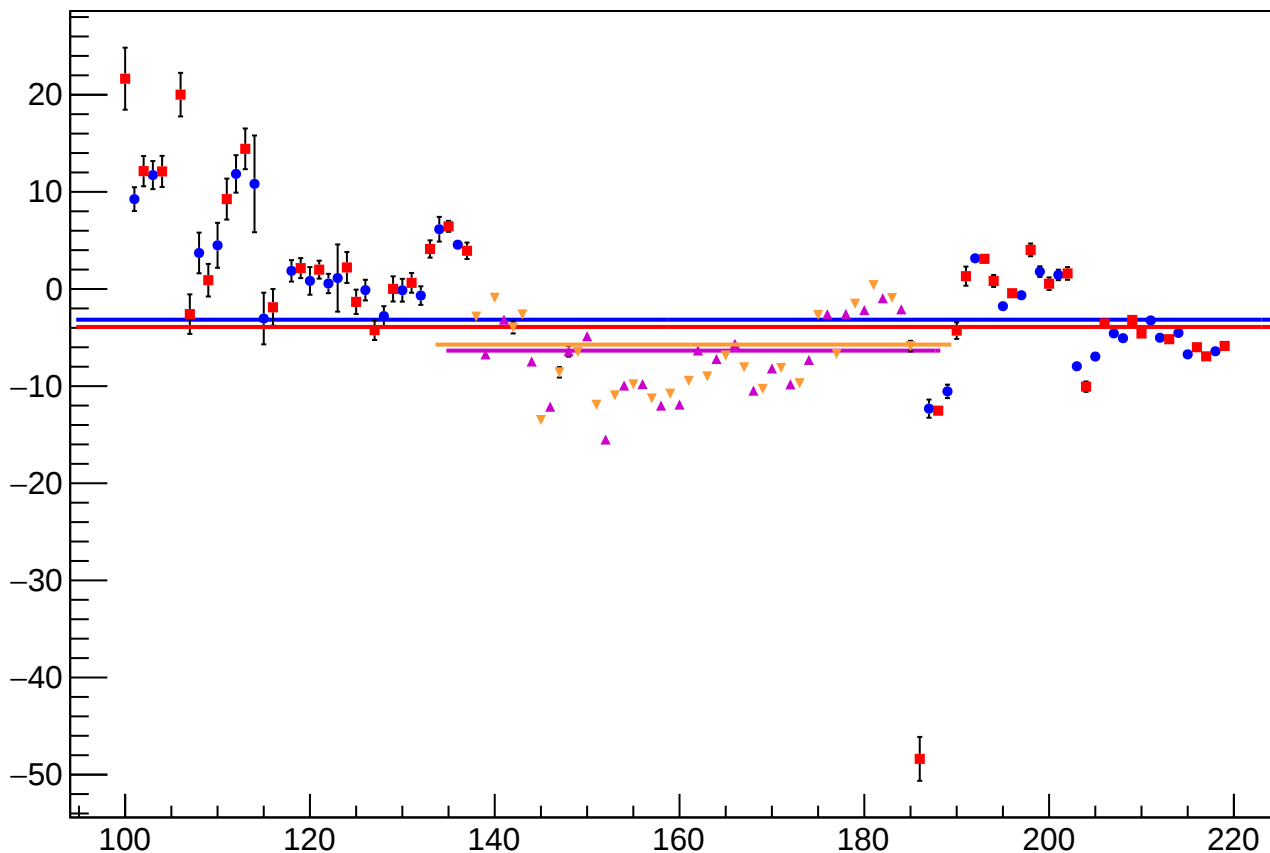
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.409 ± 0.049 χ^2/NDF : 10610.4/57

All: -53.430 ± 0.035 χ^2/NDF : 25299.7/117

- sign -53.451 ± 0.050 χ^2/NDF : 14688.9/59

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -3.159 $\pm$ 0.100 χ^2/NDF : 1757.6/32

Left Out: -5.722 $\pm$ 0.068 χ^2/NDF : 3983.0/24

Right Out: -3.905 $\pm$ 0.096 χ^2/NDF : 3434.5/36

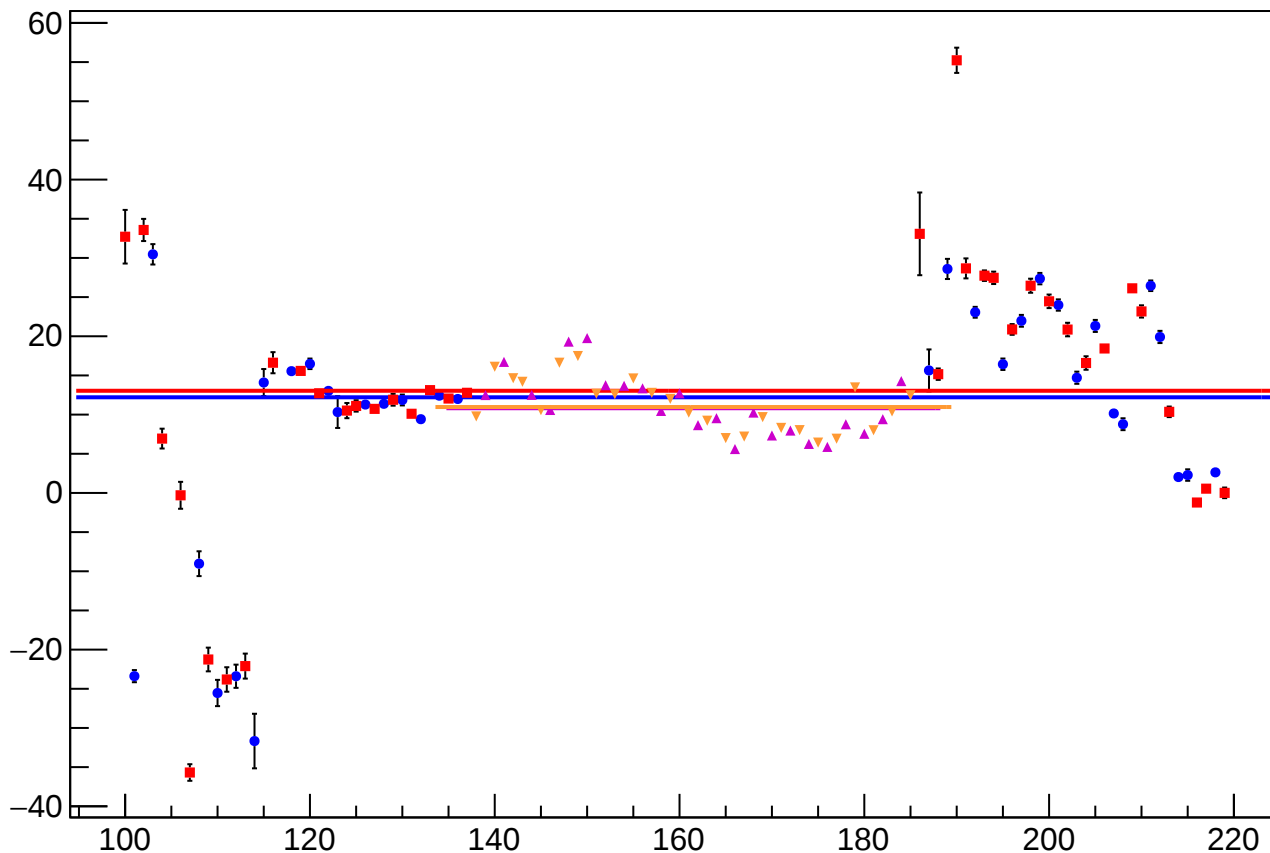
Left In: -6.344 $\pm$ 0.069 χ^2/NDF : 3383.7/22

+ sign -4.915 $\pm$ 0.056 χ^2/NDF : 6193.2/57

All: -5.218 $\pm$ 0.040 χ^2/NDF : 13496.5/117

- sign -5.520 $\pm$ 0.056 χ^2/NDF : 7244.8/59

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.210 ± 0.119 χ^2/NDF : 6676.2/32

Left Out: 10.967 ± 0.061 χ^2/NDF : 2637.7/24

Right Out: 13.044 ± 0.119 χ^2/NDF : 8536.6/36

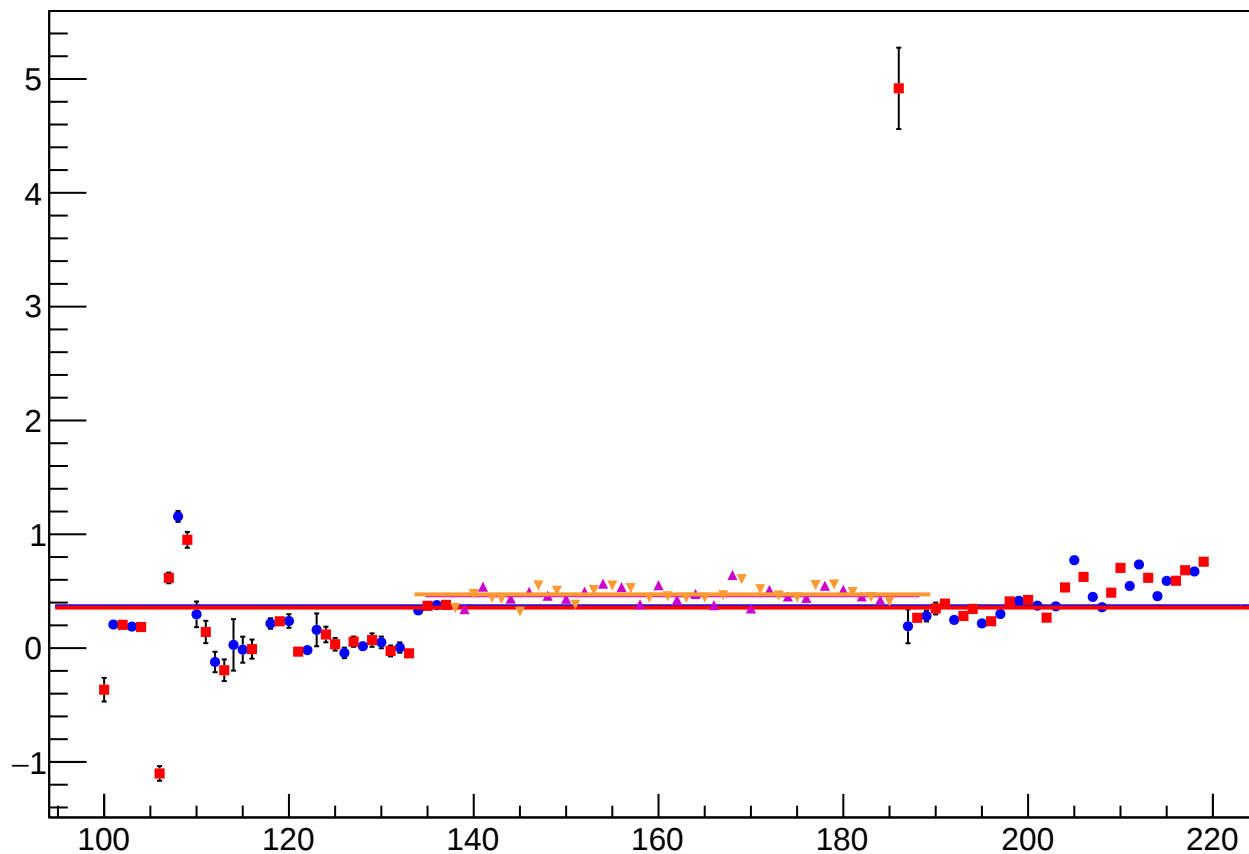
Left In: 10.813 ± 0.063 χ^2/NDF : 3546.8/22

+ sign 11.227 ± 0.055 χ^2/NDF : 9399.5/57

All: 11.263 ± 0.039 χ^2/NDF : 21757.1/117

- sign 11.302 ± 0.056 χ^2/NDF : 12356.7/59

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.367 ± 0.005 χ^2/NDF : 1249.3/32

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.356 ± 0.005 χ^2/NDF : 1977.7/36

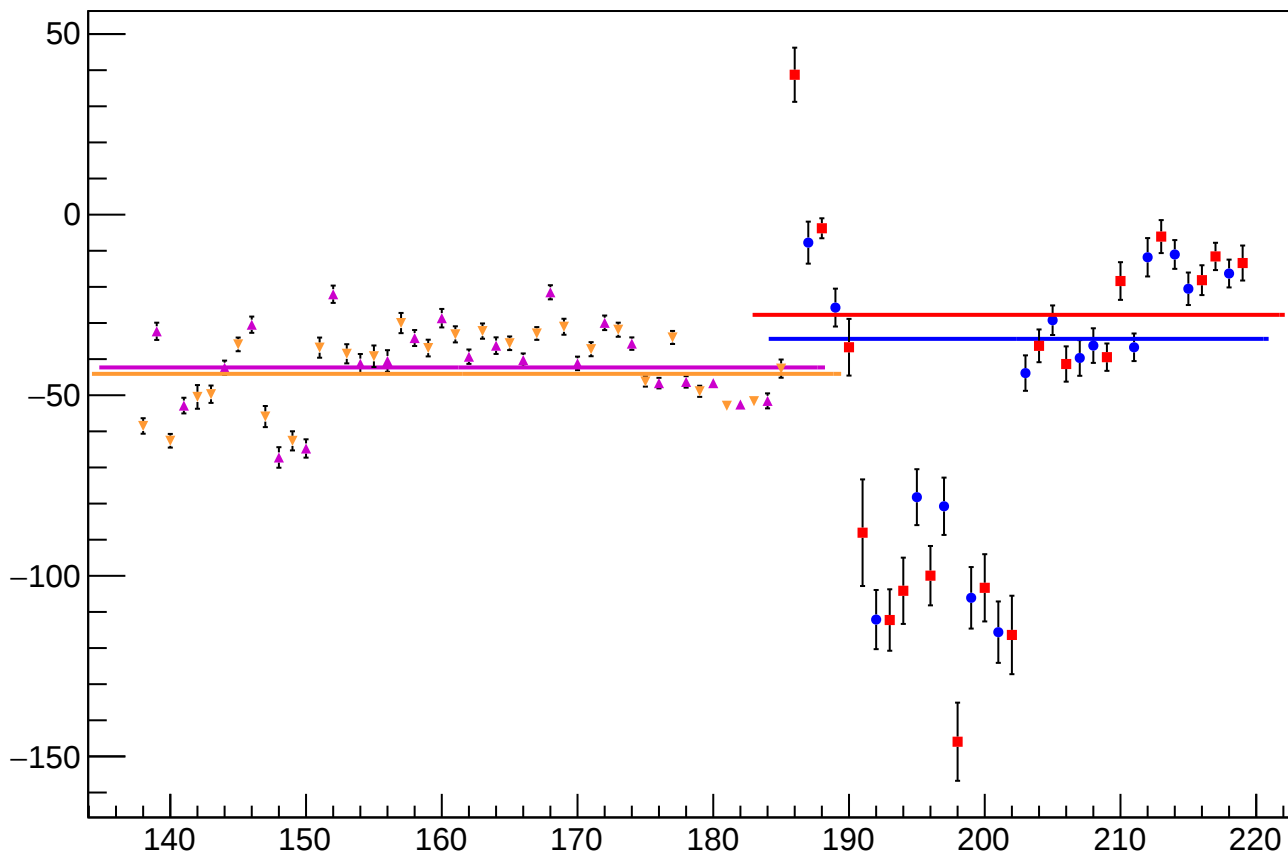
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.450 ± 0.002 χ^2/NDF : 2075.0/57

All: 0.446 ± 0.002 χ^2/NDF : 5112.6/117

- sign 0.441 ± 0.002 χ^2/NDF : 3031.5/59

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -34.391 ± 1.280 χ^2/NDF : 433.0/15

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -27.741 ± 1.236 χ^2/NDF : 747.9/17

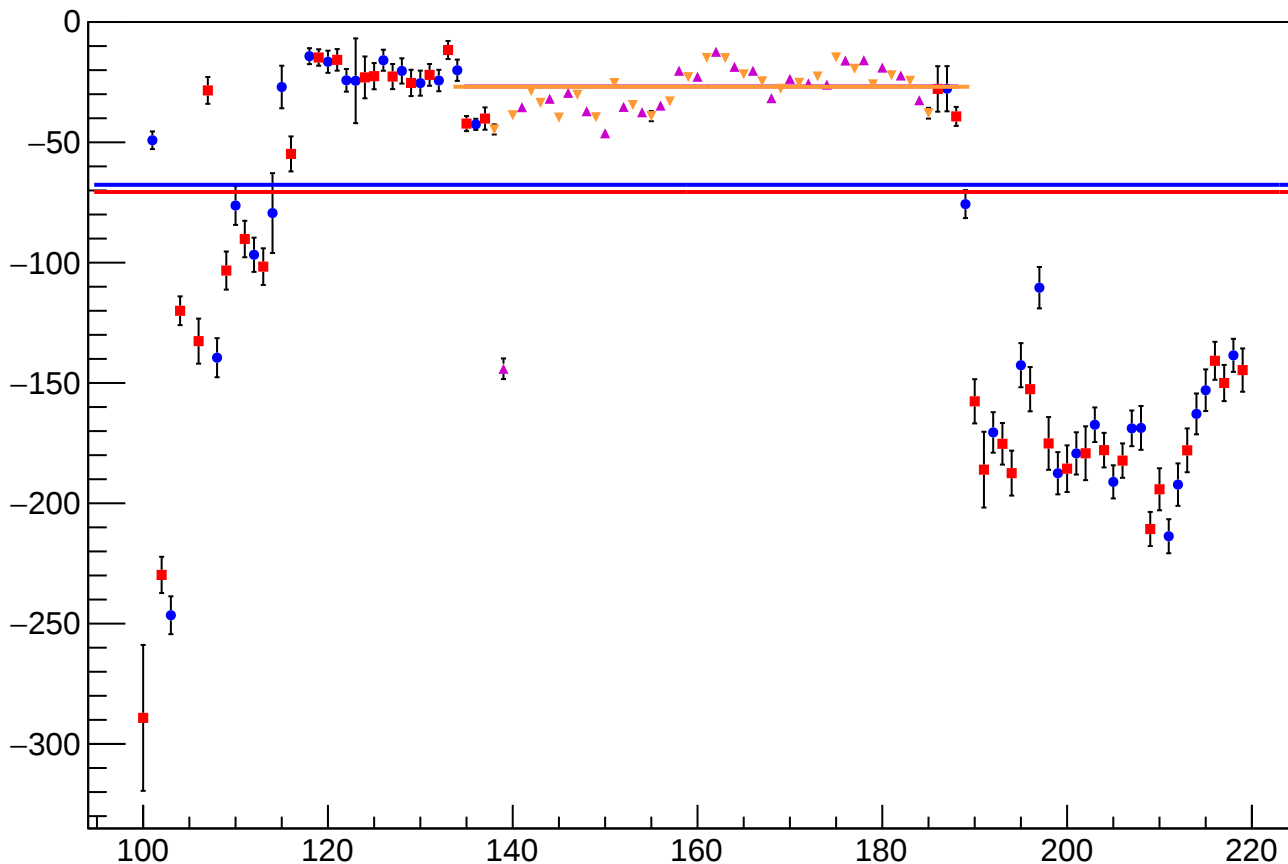
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.260 ± 0.372 χ^2/NDF : 1118.0/40

All: -42.119 ± 0.266 χ^2/NDF : 2651.5/81

- sign -40.929 ± 0.380 χ^2/NDF : 1514.2/40

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -67.648 ± 0.992 $\chi^2/\text{NDF}: 4136.5/32$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -70.631 ± 1.017 $\chi^2/\text{NDF}: 4269.7/36$

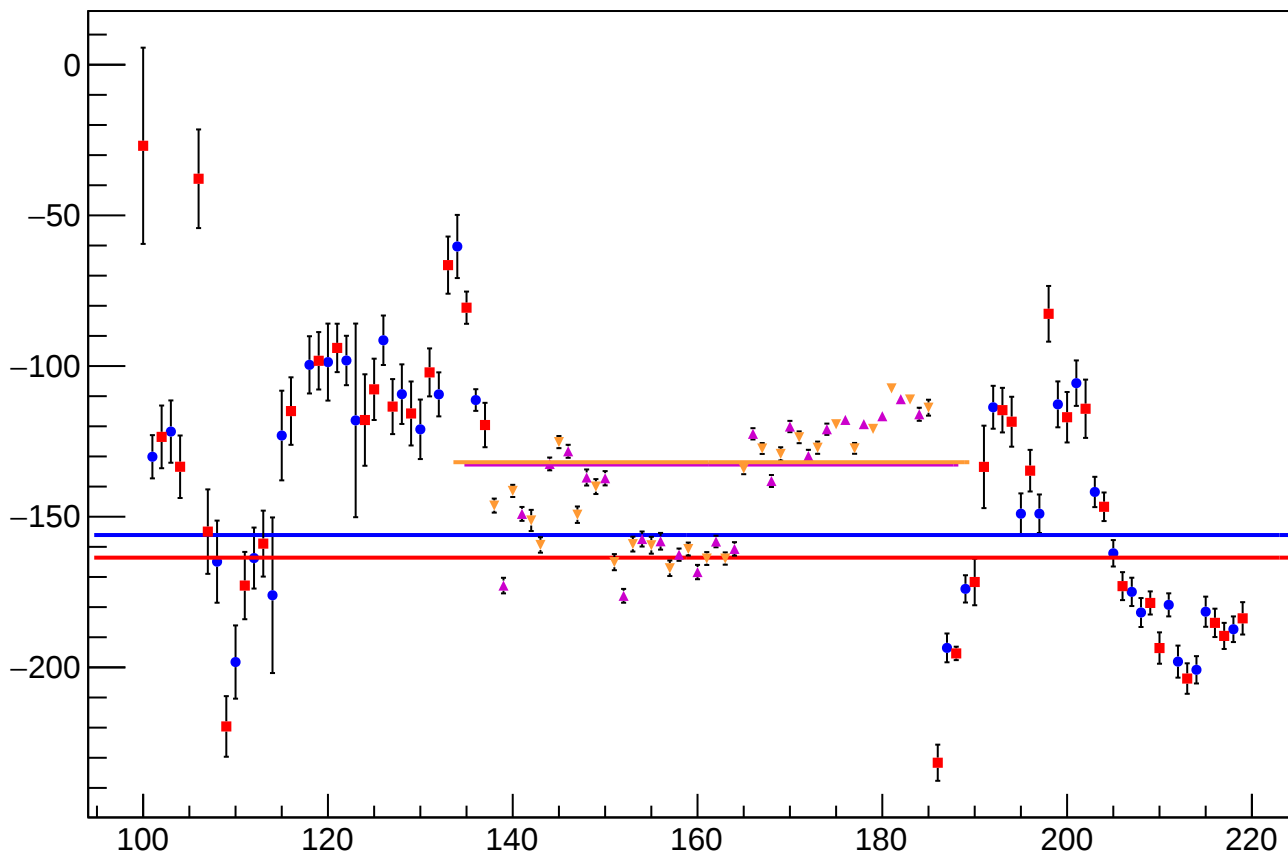
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -30.658 ± 0.301 $\chi^2/\text{NDF}: 6297.6/57$

All: -30.758 ± 0.216 $\chi^2/\text{NDF}: 13646.9/117$

- sign -30.864 ± 0.311 $\chi^2/\text{NDF}: 7349.1/59$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -156.078 ± 1.084 χ^2/NDF : 1048.9/32

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -163.583 ± 1.046 χ^2/NDF : 1565.5/36

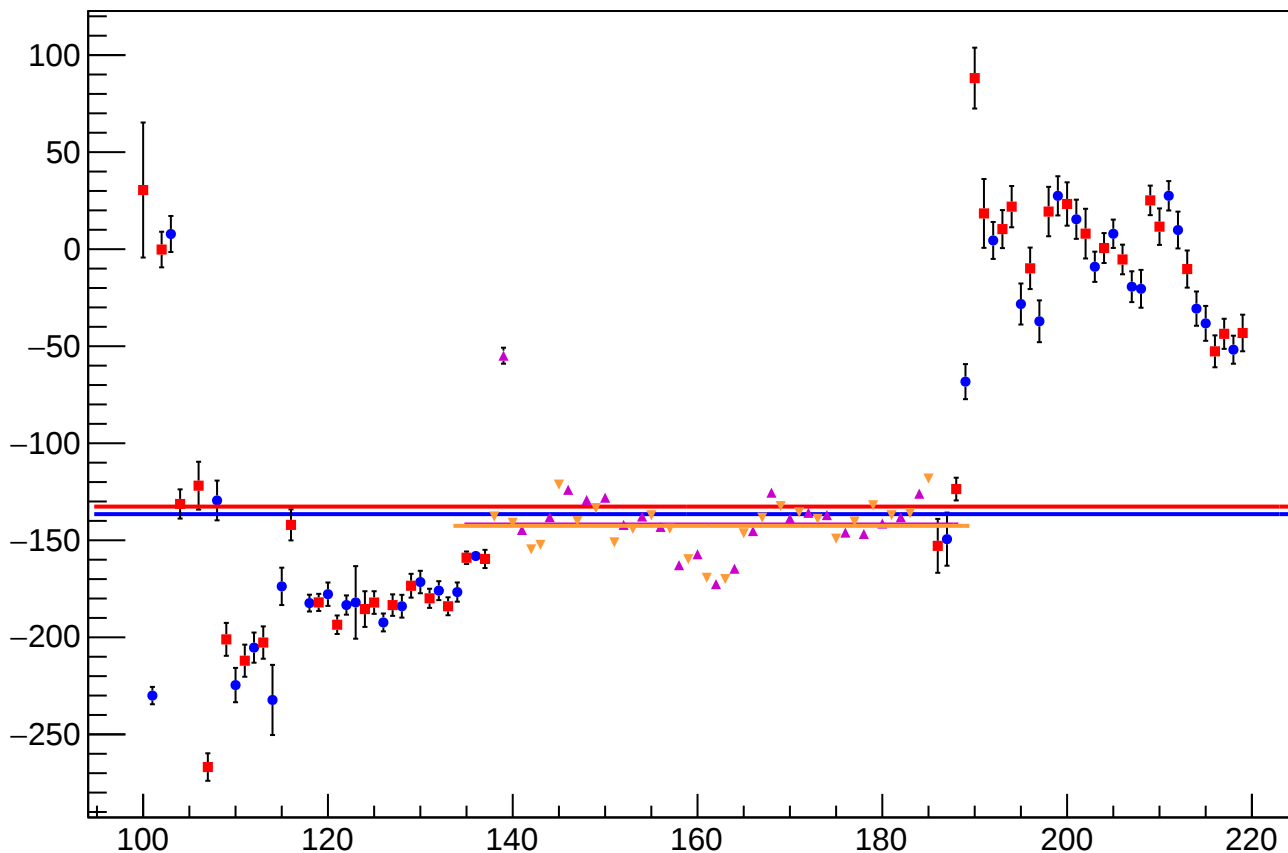
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -134.701 ± 0.368 χ^2/NDF : 3928.0/57

All: -135.648 ± 0.262 χ^2/NDF : 8748.3/117

- sign -136.620 ± 0.373 χ^2/NDF : 4806.9/59

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -136.524 ± 1.110 $\chi^2/\text{NDF}: 4703.5/32$

Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$

Right Out: -132.635 ± 1.156 $\chi^2/\text{NDF}: 4667.6/36$

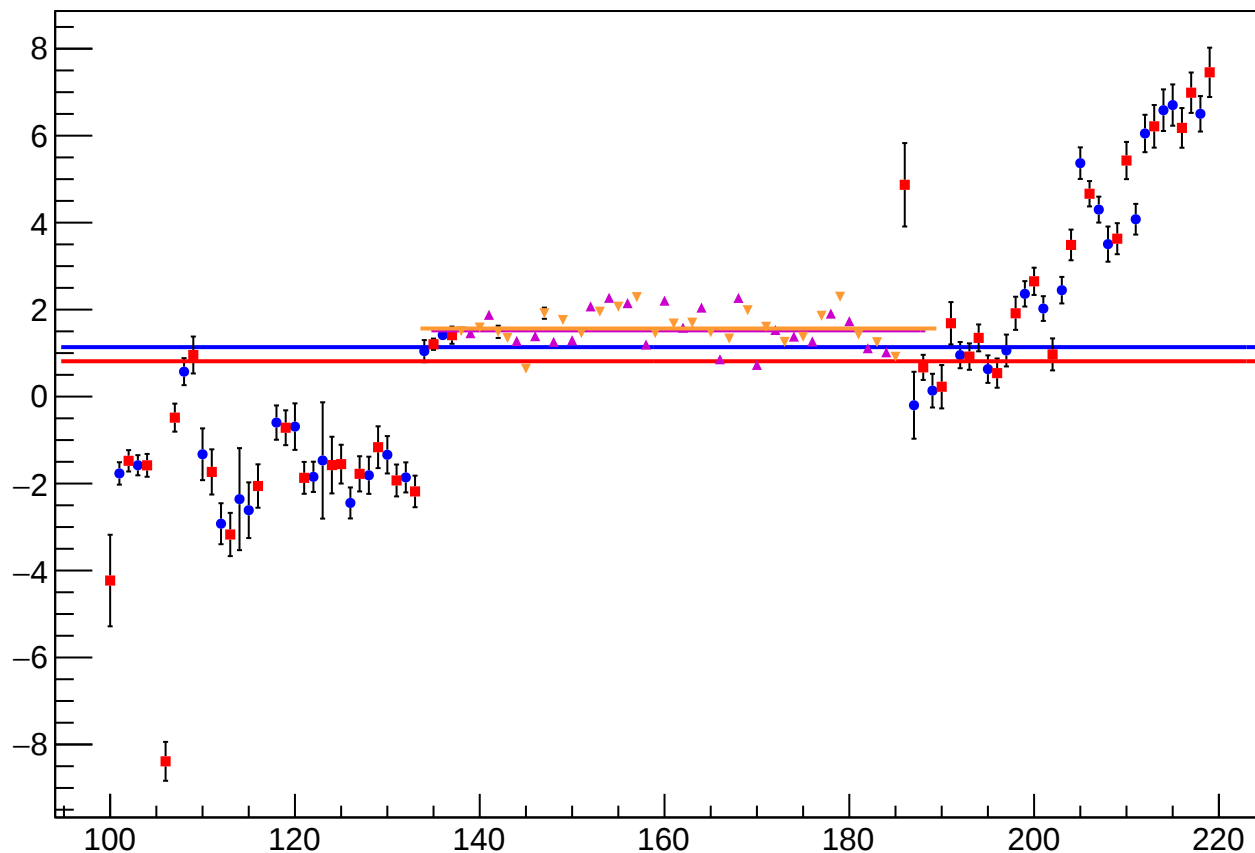
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -142.006 ± 0.337 $\chi^2/\text{NDF}: 5878.1/57$

All: -141.530 ± 0.242 $\chi^2/\text{NDF}: 12151.9/117$

- sign -141.026 ± 0.347 $\chi^2/\text{NDF}: 6269.7/59$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.137 ± 0.054 $\chi^2/\text{NDF}: 1757.0/32$

Left Out: 1.566 ± 0.016 $\chi^2/\text{NDF}: 542.8/24$

Right Out: 0.813 ± 0.056 $\chi^2/\text{NDF}: 2116.2/36$

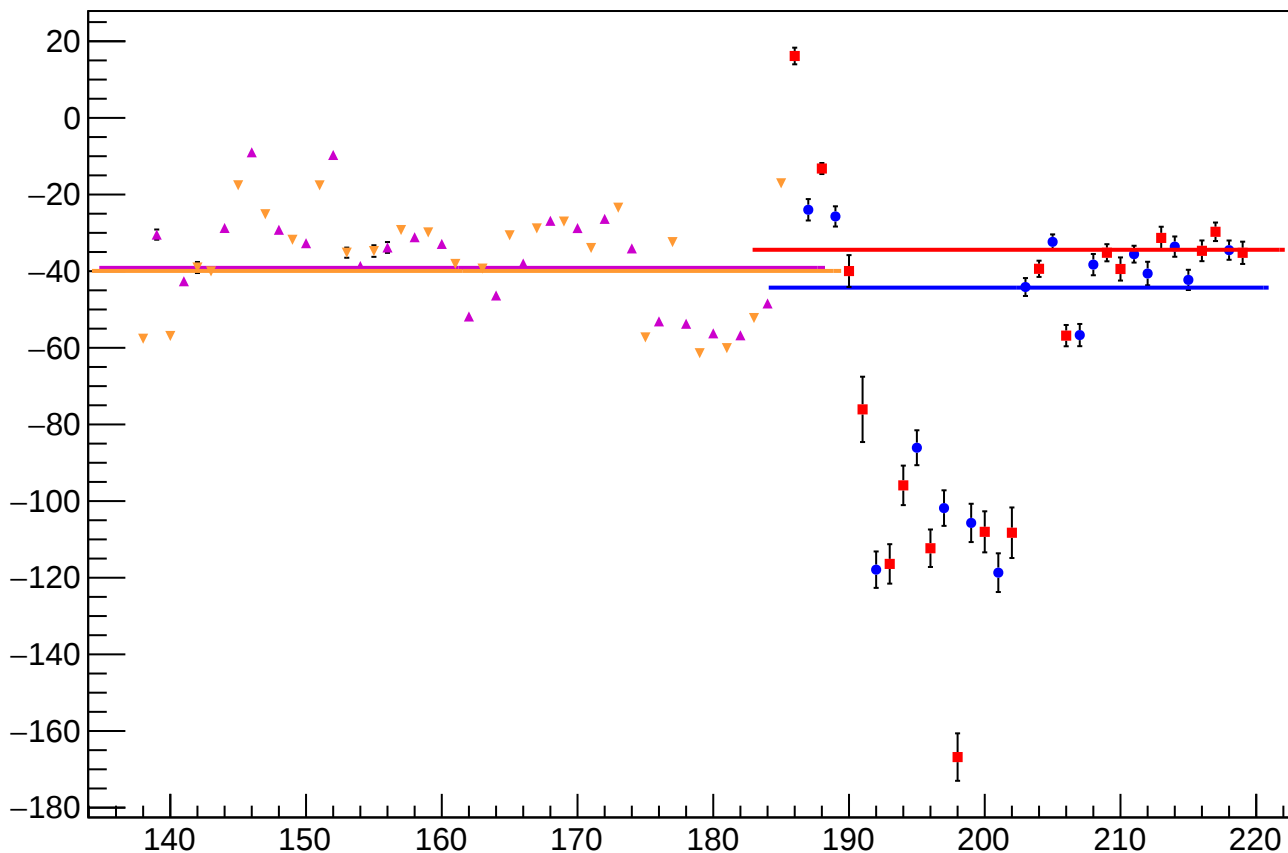
Left In: 1.523 ± 0.017 $\chi^2/\text{NDF}: 738.5/22$

+ sign 1.531 ± 0.015 $\chi^2/\text{NDF}: 2358.2/57$

All: 1.499 ± 0.011 $\chi^2/\text{NDF}: 5370.8/117$

- sign 1.466 ± 0.016 $\chi^2/\text{NDF}: 3004.0/59$

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -44.296 ± 0.717 χ^2/NDF : 1057.4/15

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -34.417 ± 0.678 χ^2/NDF : 2283.5/17

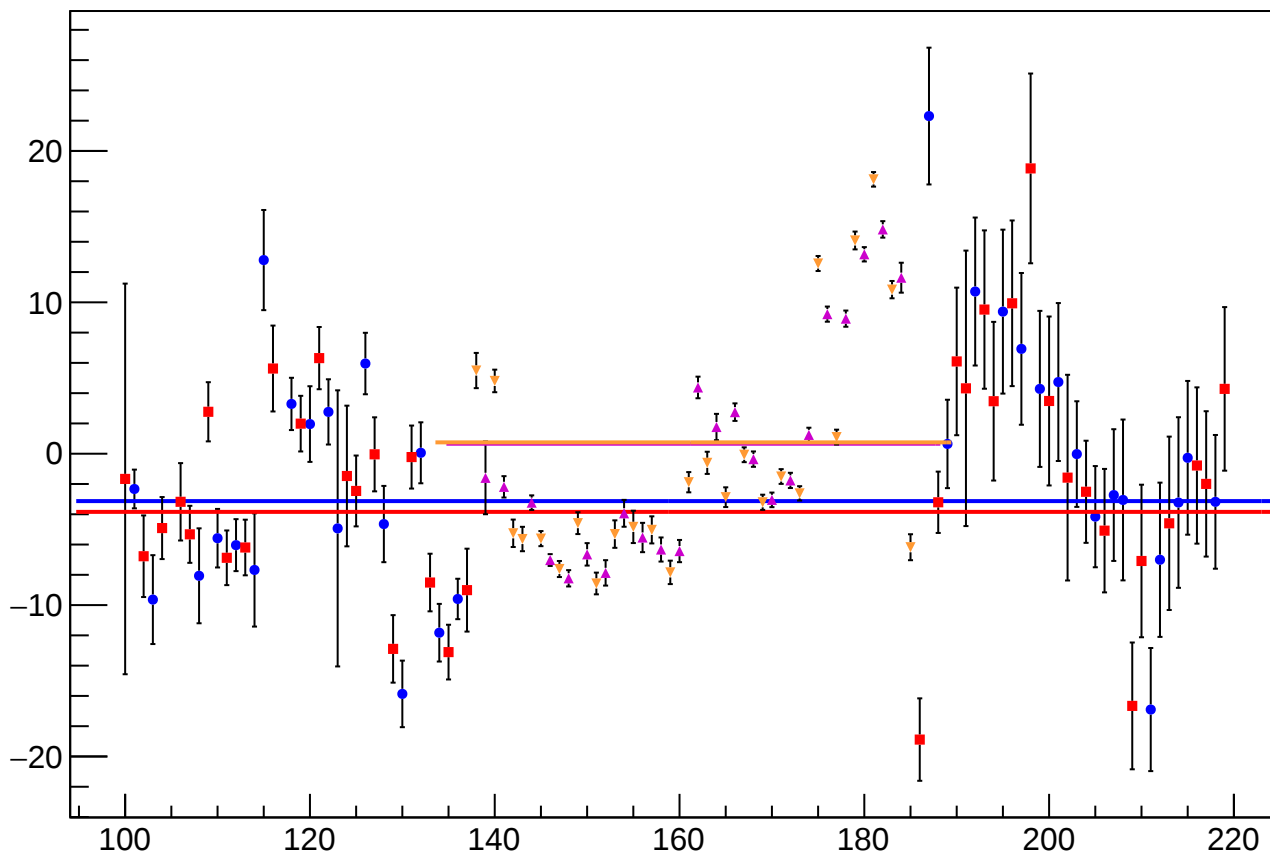
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.125 ± 0.150 χ^2/NDF : 10899.3/40

All: -39.518 ± 0.106 χ^2/NDF : 21796.3/81

- sign -38.904 ± 0.151 χ^2/NDF : 10864.0/40

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.130 ± 0.454 $\chi^2/\text{NDF}: 231.5/32$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.842 ± 0.452 $\chi^2/\text{NDF}: 200.2/36$

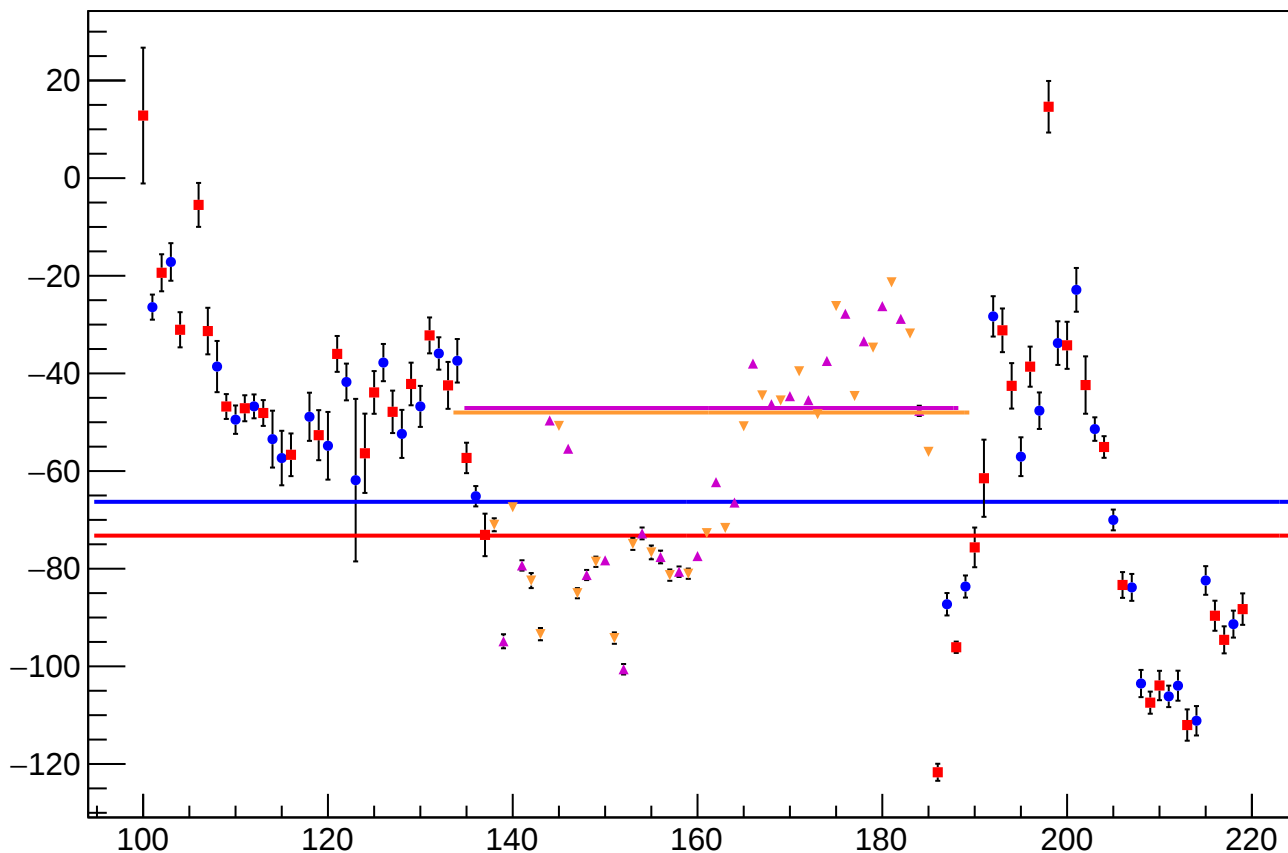
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.479 ± 0.120 $\chi^2/\text{NDF}: 4270.3/57$

All: 0.411 ± 0.085 $\chi^2/\text{NDF}: 7901.1/117$

- sign 0.344 ± 0.120 $\chi^2/\text{NDF}: 3630.2/59$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -66.300 ± 0.552 χ^2/NDF : 2283.1/32

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -73.224 ± 0.514 χ^2/NDF : 3839.0/36

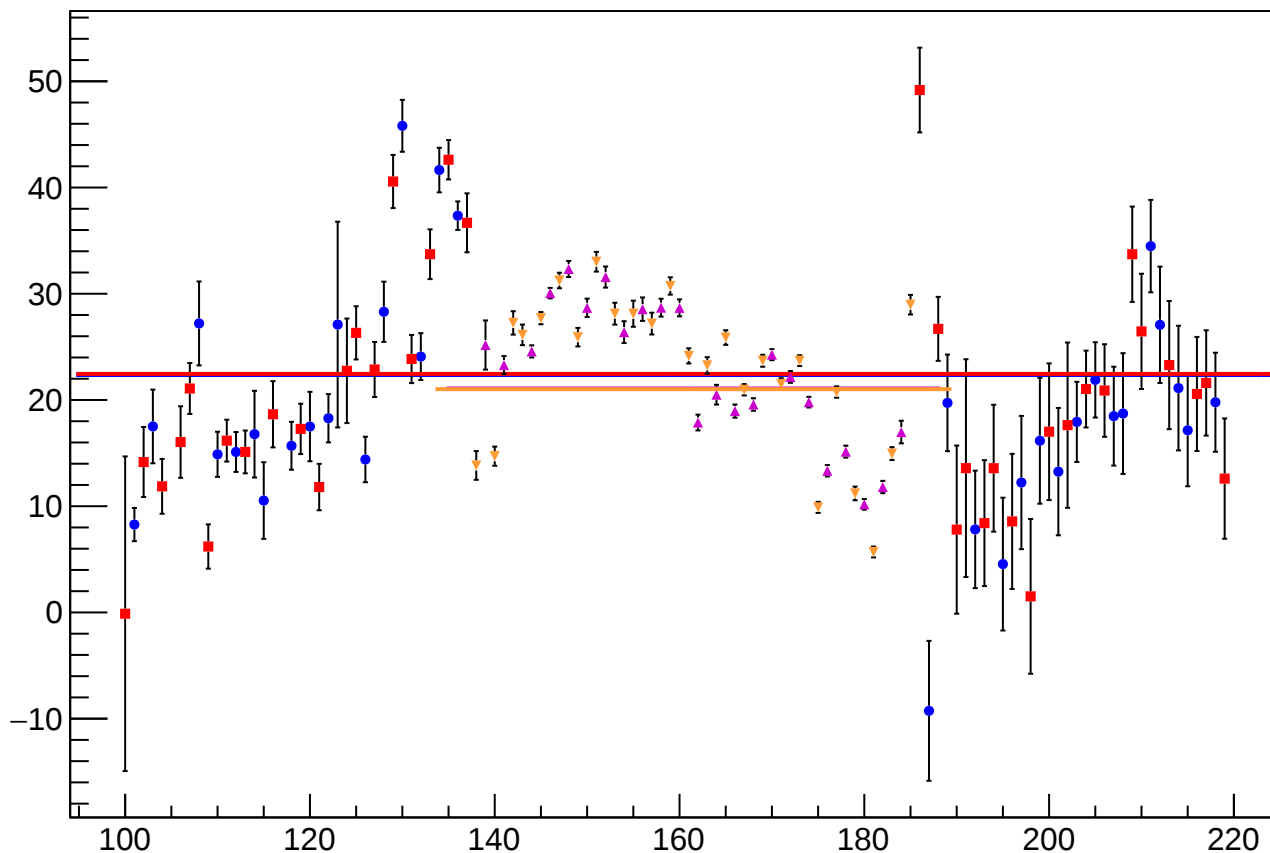
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -49.338 ± 0.149 χ^2/NDF : 20250.6/57

All: -49.306 ± 0.105 χ^2/NDF : 41976.0/117

- sign -49.274 ± 0.149 χ^2/NDF : 21725.3/59

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.353 $\pm$ 0.511 χ^2 /NDF: 515.9/32

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 22.453 $\pm$ 0.518 χ^2 /NDF: 449.7/36

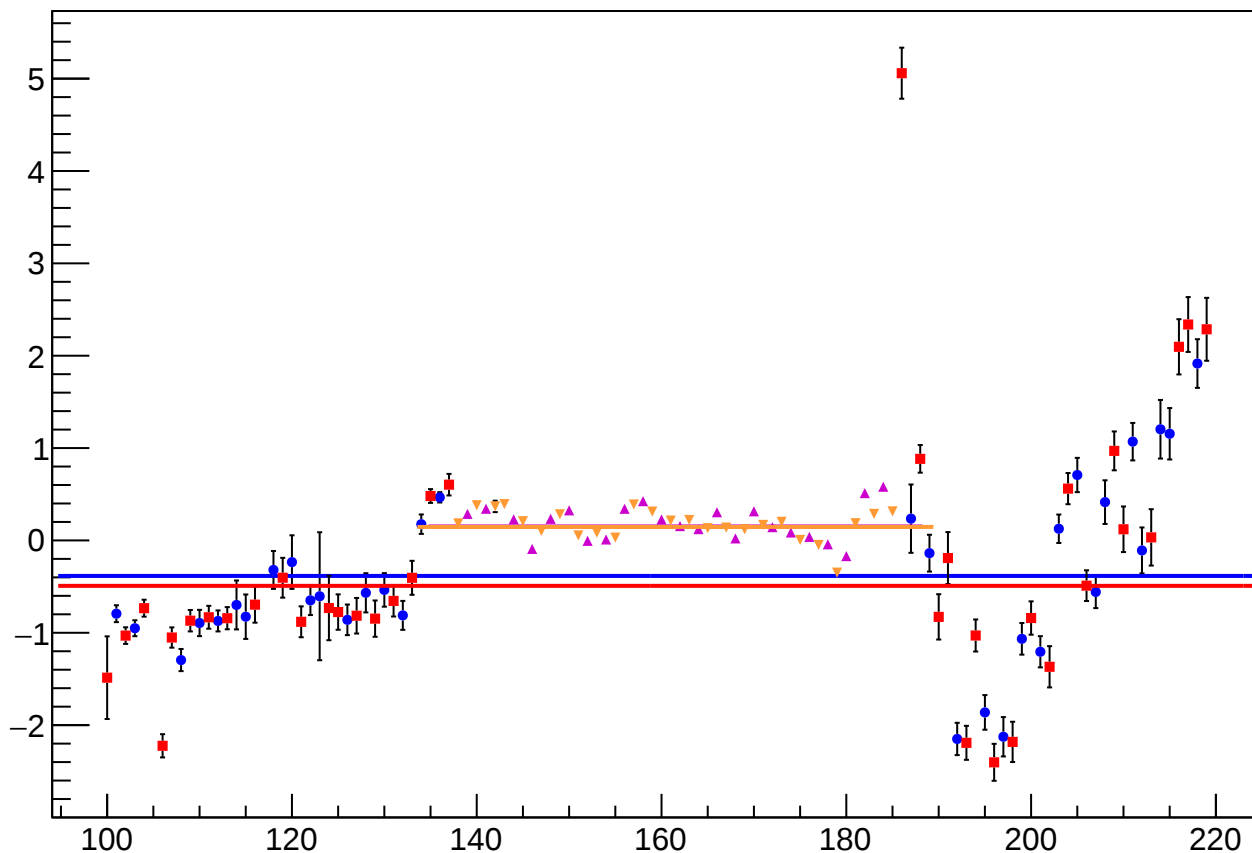
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.111 $\pm$ 0.134 χ^2 /NDF: 3321.5/57

All: 21.141 $\pm$ 0.095 χ^2 /NDF: 5951.1/117

- sign 21.172 $\pm$ 0.135 χ^2 /NDF: 2629.5/59

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.384 ± 0.026 $\chi^2/\text{NDF}: 954.9/32$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.492 ± 0.026 $\chi^2/\text{NDF}: 1649.7/36$

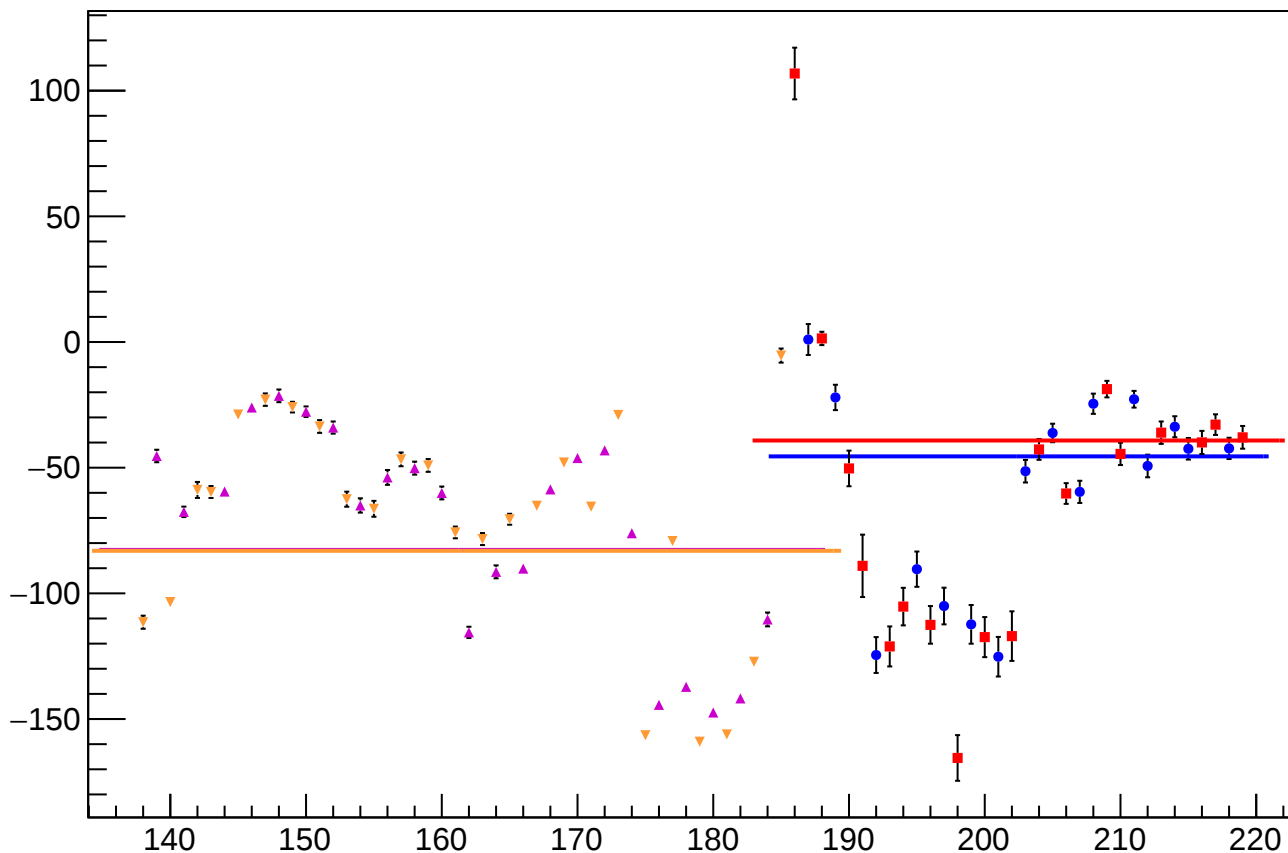
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.116 ± 0.006 $\chi^2/\text{NDF}: 1959.4/57$

All: 0.115 ± 0.004 $\chi^2/\text{NDF}: 5059.9/117$

- sign 0.114 ± 0.006 $\chi^2/\text{NDF}: 3100.4/59$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -45.501 $\pm$ 1.195 χ^2 /NDF: 588.3/15

Left Out: -83.068 $\pm$ 0.406 χ^2 /NDF:13817.3/24

Right Out: -39.186 $\pm$ 1.167 χ^2 /NDF: 1156.5/17

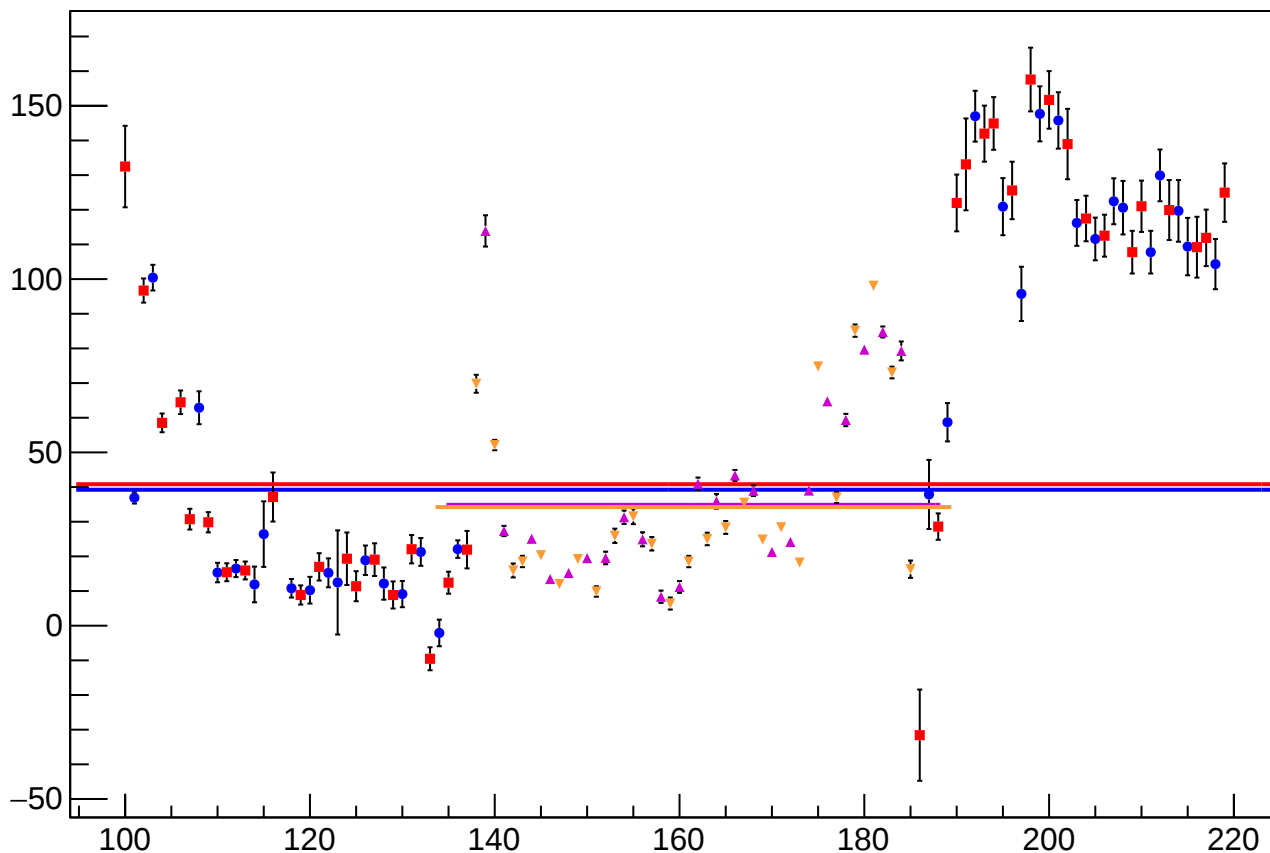
Left In: -82.711 $\pm$ 0.415 χ^2 /NDF:10841.4/22

+ sign -79.174 $\pm$ 0.385 χ^2 /NDF: 15291.6/40

All: -78.509 $\pm$ 0.274 χ^2 /NDF: 28530.2/81

- sign -77.822 $\pm$ 0.391 χ^2 /NDF: 13232.5/40

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 39.228 ± 0.738 χ^2/NDF : 2778.7/32

Left Out: 34.219 ± 0.320 χ^2/NDF : 6192.6/24

Right Out: 40.819 ± 0.735 χ^2/NDF : 3181.4/36

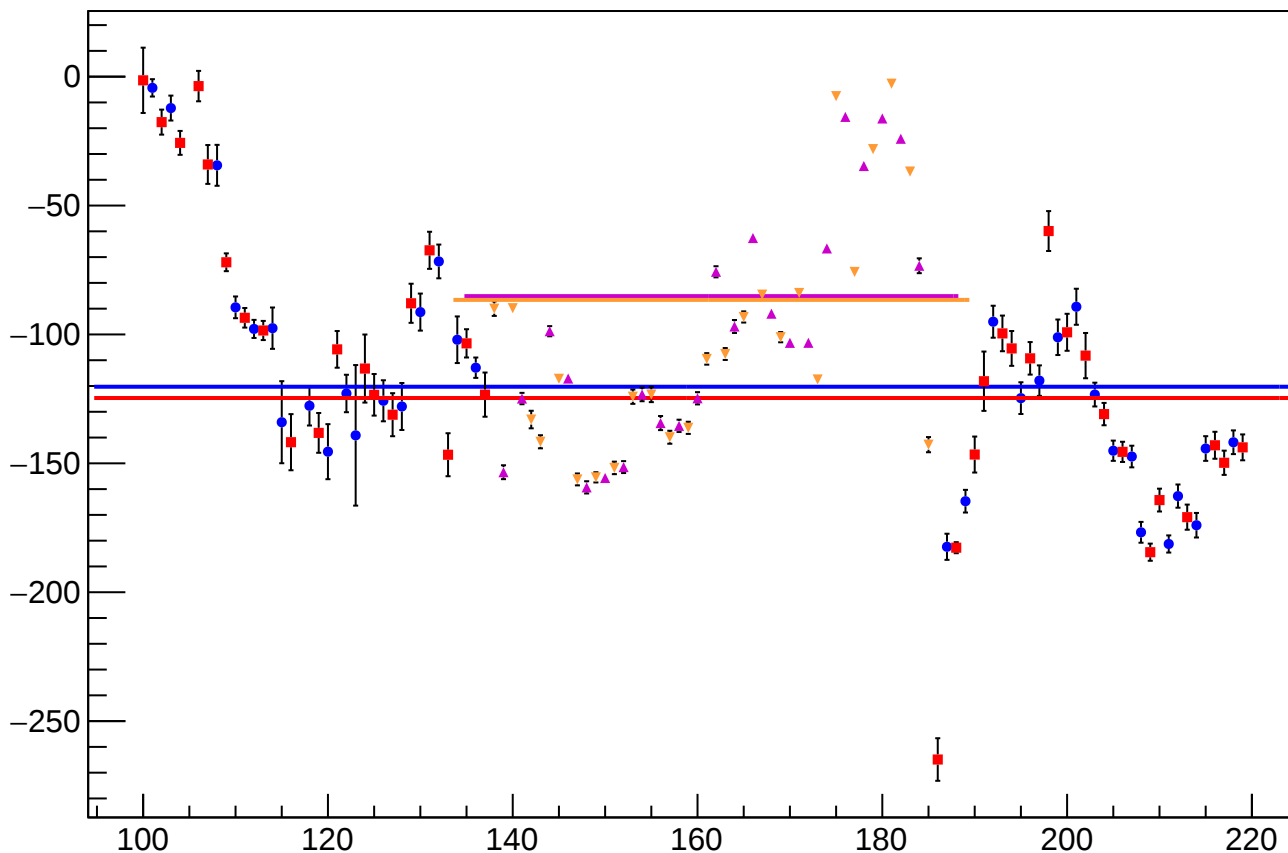
Left In: 34.870 ± 0.329 χ^2/NDF : 4716.1/22

+ sign 35.013 ± 0.294 χ^2/NDF : 9010.1/57

All: 35.428 ± 0.210 χ^2/NDF : 16966.3/117

- sign 35.863 ± 0.300 χ^2/NDF : 7952.0/59

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -120.283 ± 0.907 χ^2/NDF : 3164.6/32

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -124.658 ± 0.862 χ^2/NDF : 3798.6/36

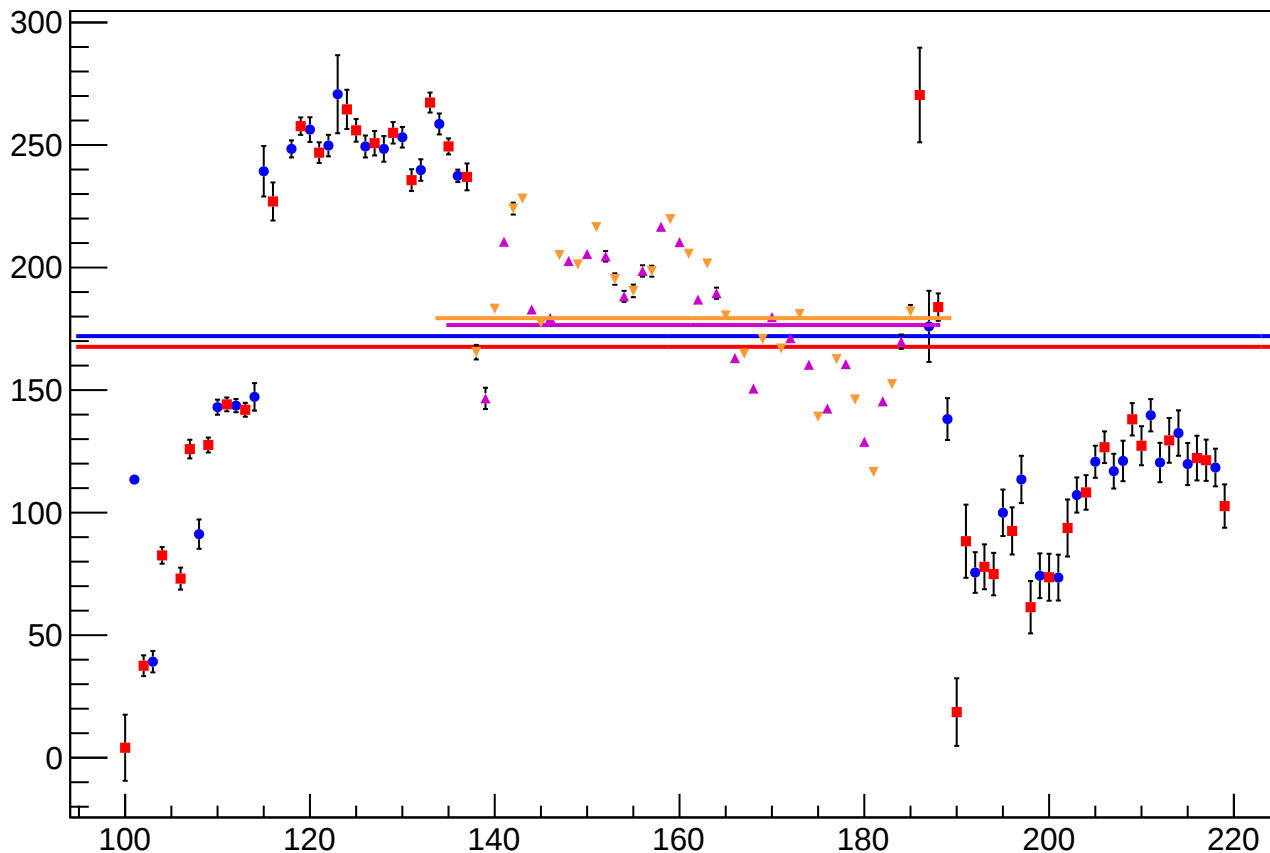
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -92.270 ± 0.372 χ^2/NDF : 18826.3/57

All: -92.421 ± 0.264 χ^2/NDF : 37173.5/117

- sign -92.573 ± 0.374 χ^2/NDF : 18346.8/59

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 172.019 $\pm$ 0.840 χ^2 /NDF: 6354.1/32

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 167.650 $\pm$ 0.842 χ^2 /NDF: 7430.8/36

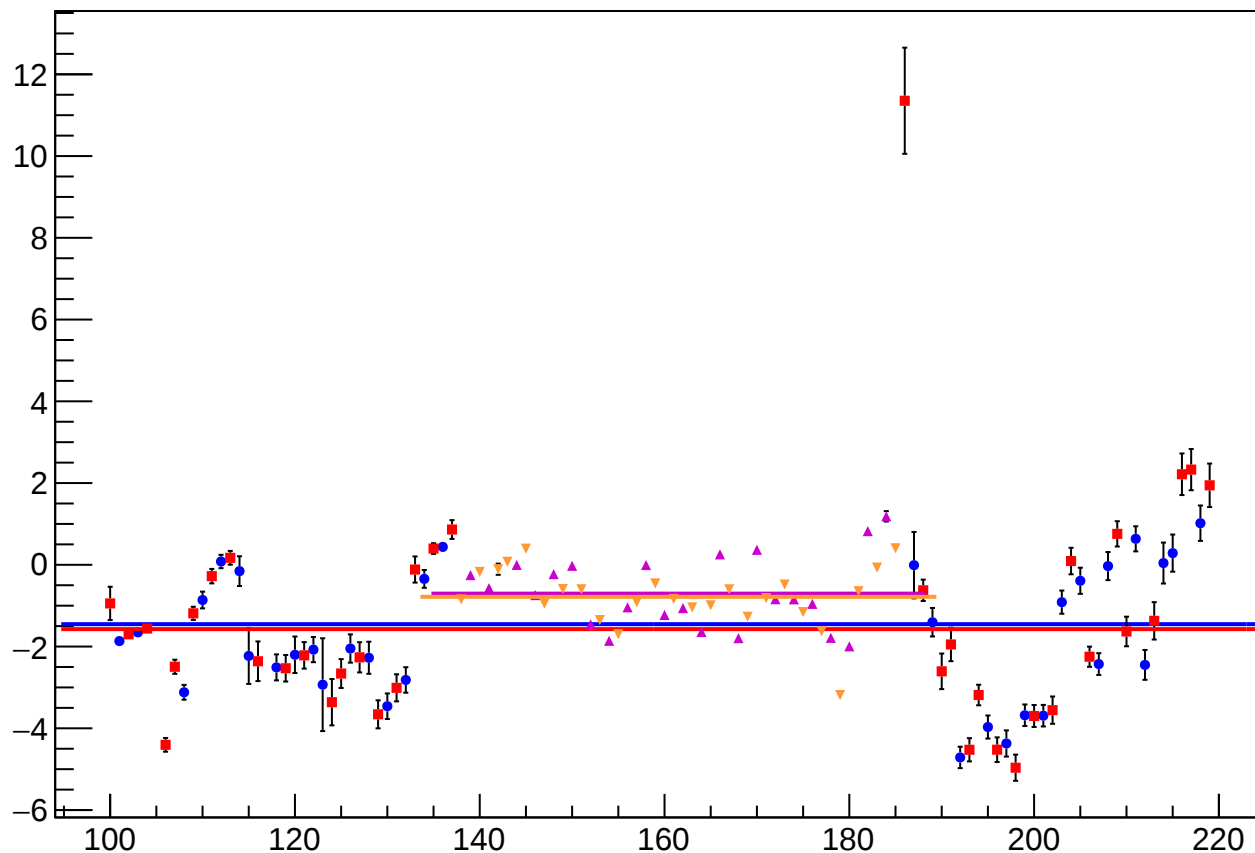
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 178.210 $\pm$ 0.332 χ^2 /NDF: 12400.8/57

All: 176.682 $\pm$ 0.237 χ^2 /NDF: 24393.8/117

- sign 175.089 $\pm$ 0.339 χ^2 /NDF: 11949.9/59

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.452 ± 0.041 χ^2/NDF : 1267.3/32

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.574 ± 0.040 χ^2/NDF : 1758.5/36

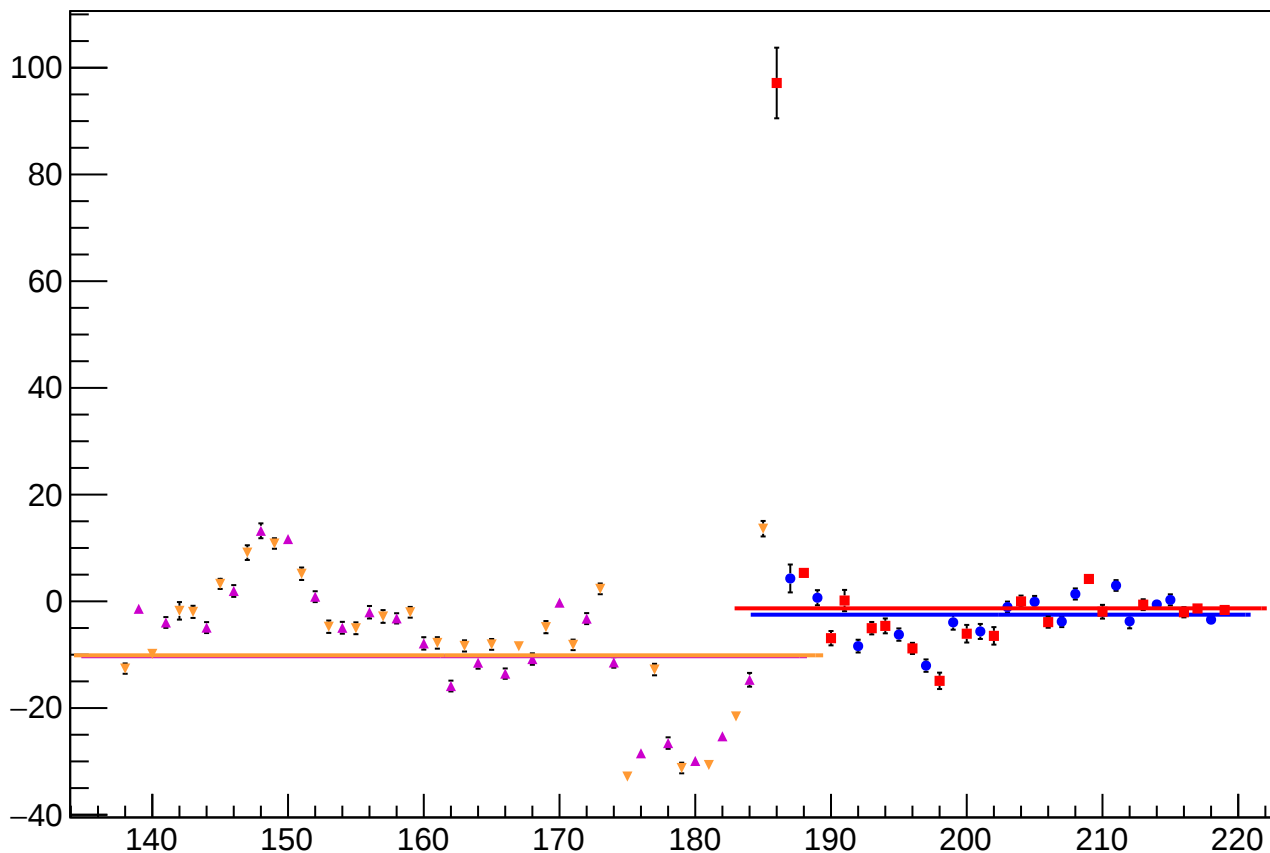
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.876 ± 0.015 χ^2/NDF : 3263.5/57

All: -0.857 ± 0.011 χ^2/NDF : 7837.9/117

- sign -0.838 ± 0.016 χ^2/NDF : 4571.4/59

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.502 ± 0.283 χ^2/NDF : 185.0/15

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.315 ± 0.261 χ^2/NDF : 559.3/17

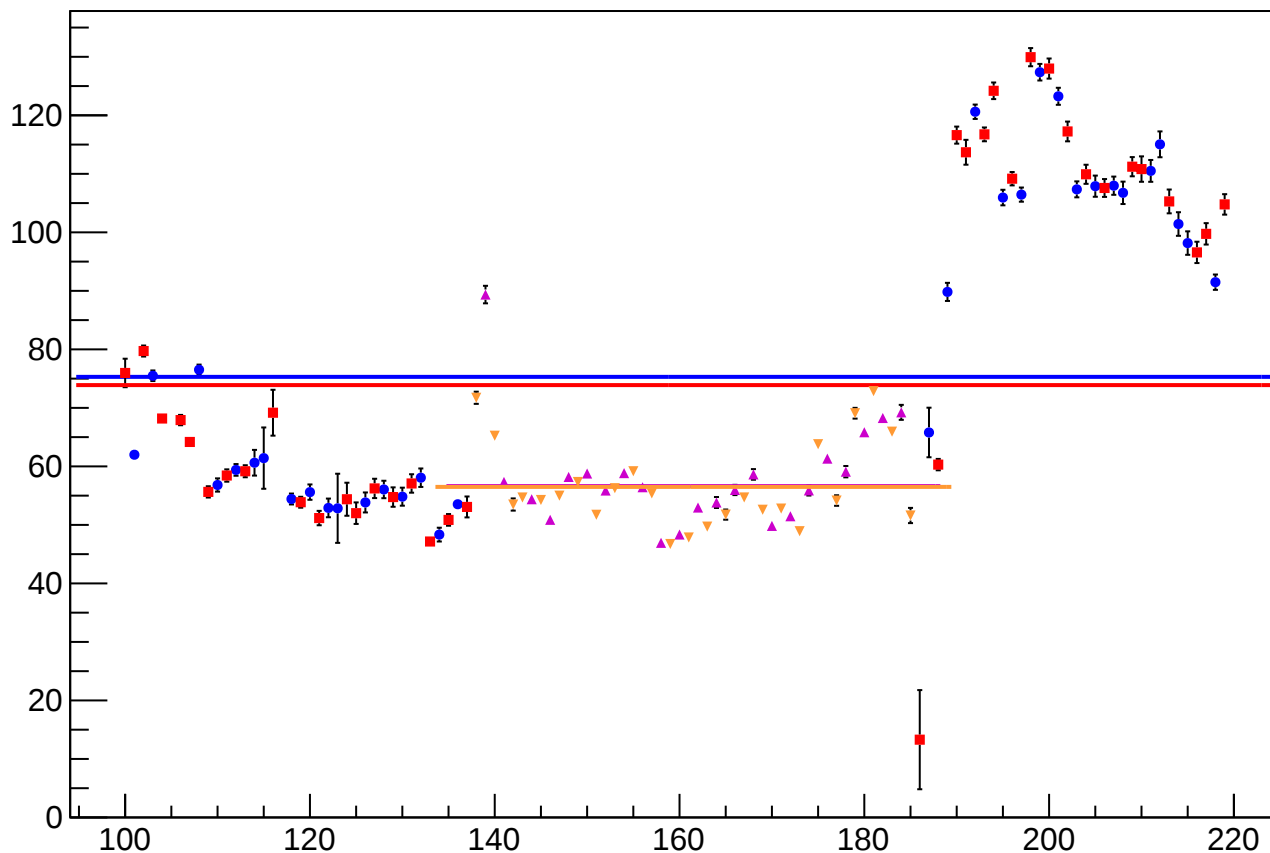
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -7.553 ± 0.164 χ^2/NDF : 4804.6/40

All: -7.200 ± 0.115 χ^2/NDF : 9553.9/81

- sign -6.858 ± 0.161 χ^2/NDF : 4740.2/40

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 75.302 $\pm$ 0.219 χ^2 /NDF: 11829.5/32

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 73.893 $\pm$ 0.206 χ^2 /NDF: 15347.5/36

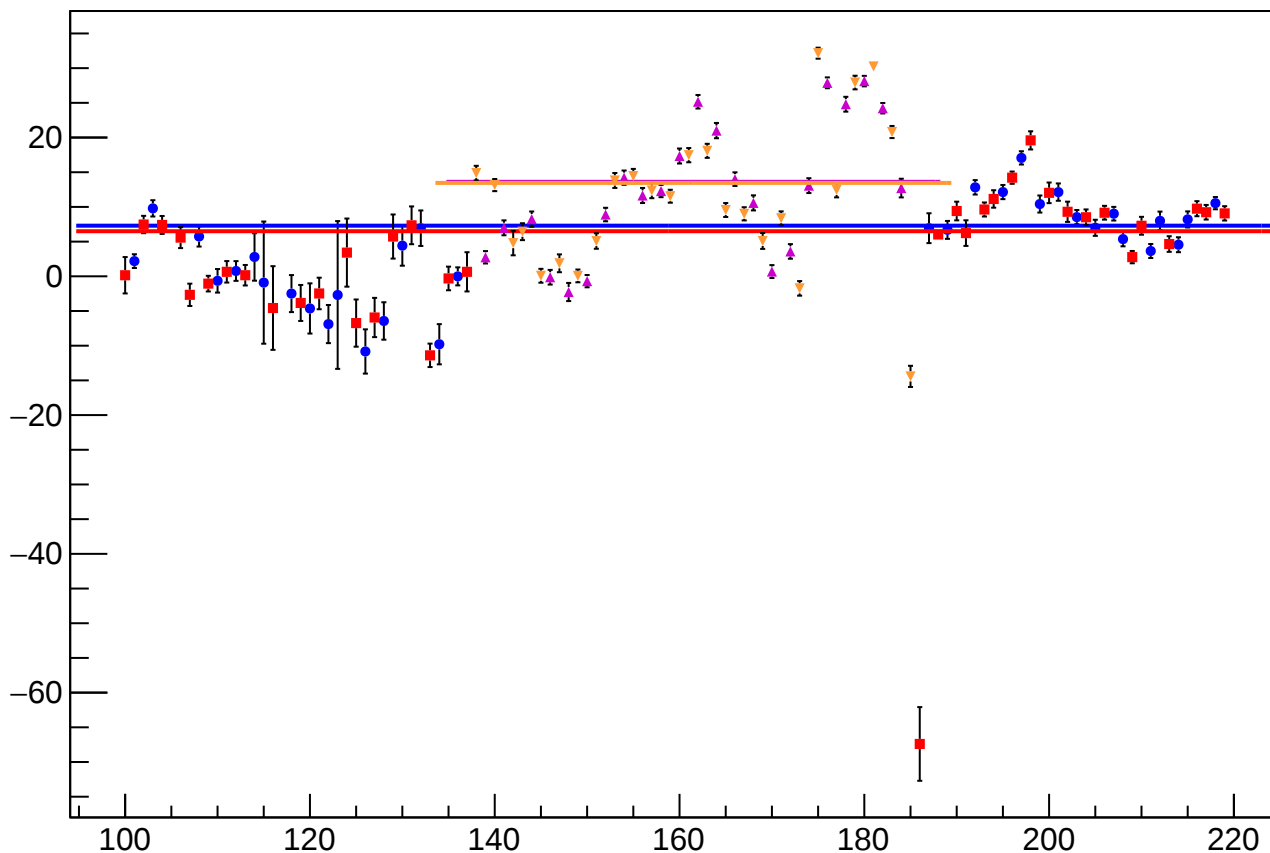
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 62.985 $\pm$ 0.129 χ^2 /NDF: 18632.4/57

All: 63.194 $\pm$ 0.091 χ^2 /NDF: 39877.3/117

- sign 63.404 $\pm$ 0.129 χ^2 /NDF: 21239.6/59

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.299 ± 0.236 χ^2/NDF : 474.0/32

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.498 ± 0.215 χ^2/NDF : 788.7/36

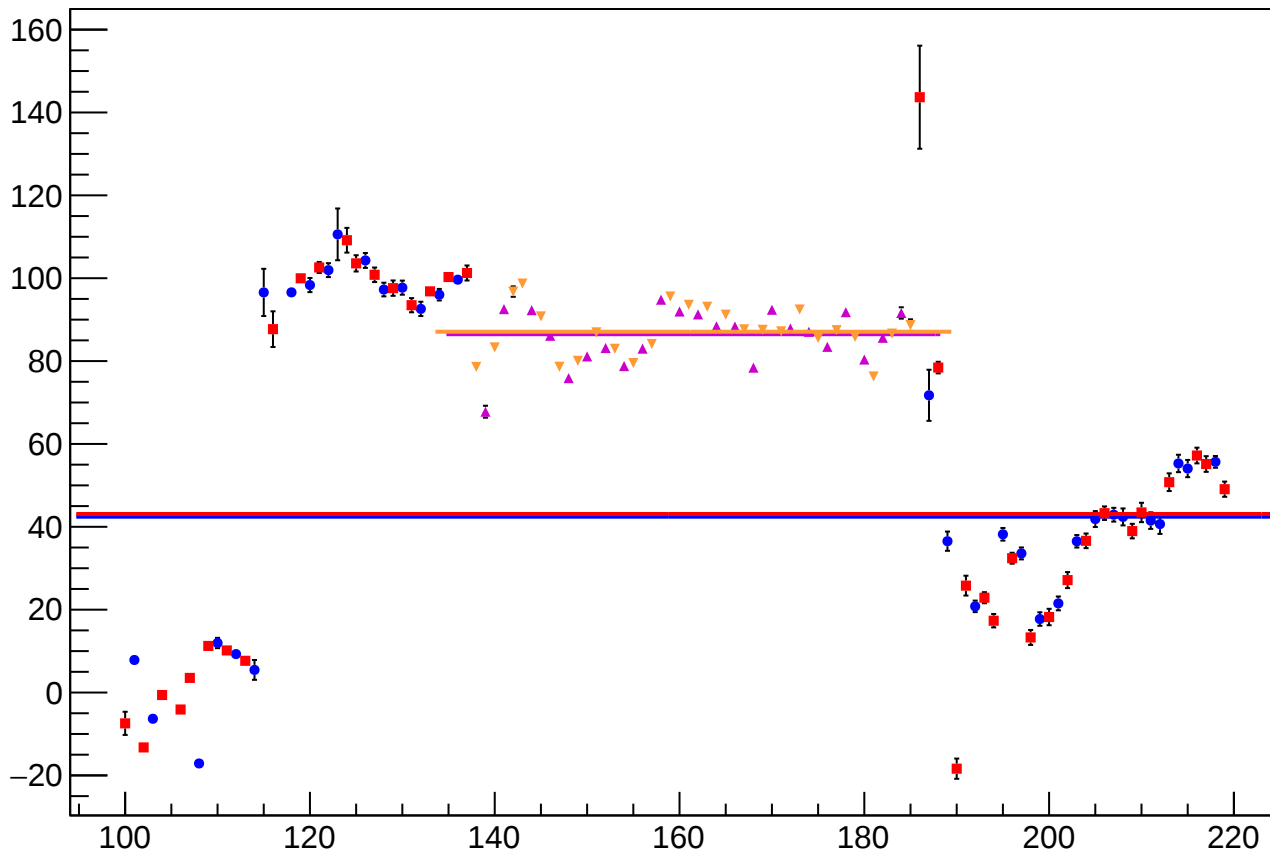
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 10.867 ± 0.153 χ^2/NDF : 3604.3/57

All: 10.540 ± 0.107 χ^2/NDF : 7293.9/117

- sign 10.235 ± 0.148 χ^2/NDF : 3680.8/59

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 42.448 $\pm$ 0.251 χ^2 /NDF: 25636.9/32

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 43.095 $\pm$ 0.240 χ^2 /NDF: 30888.0/36

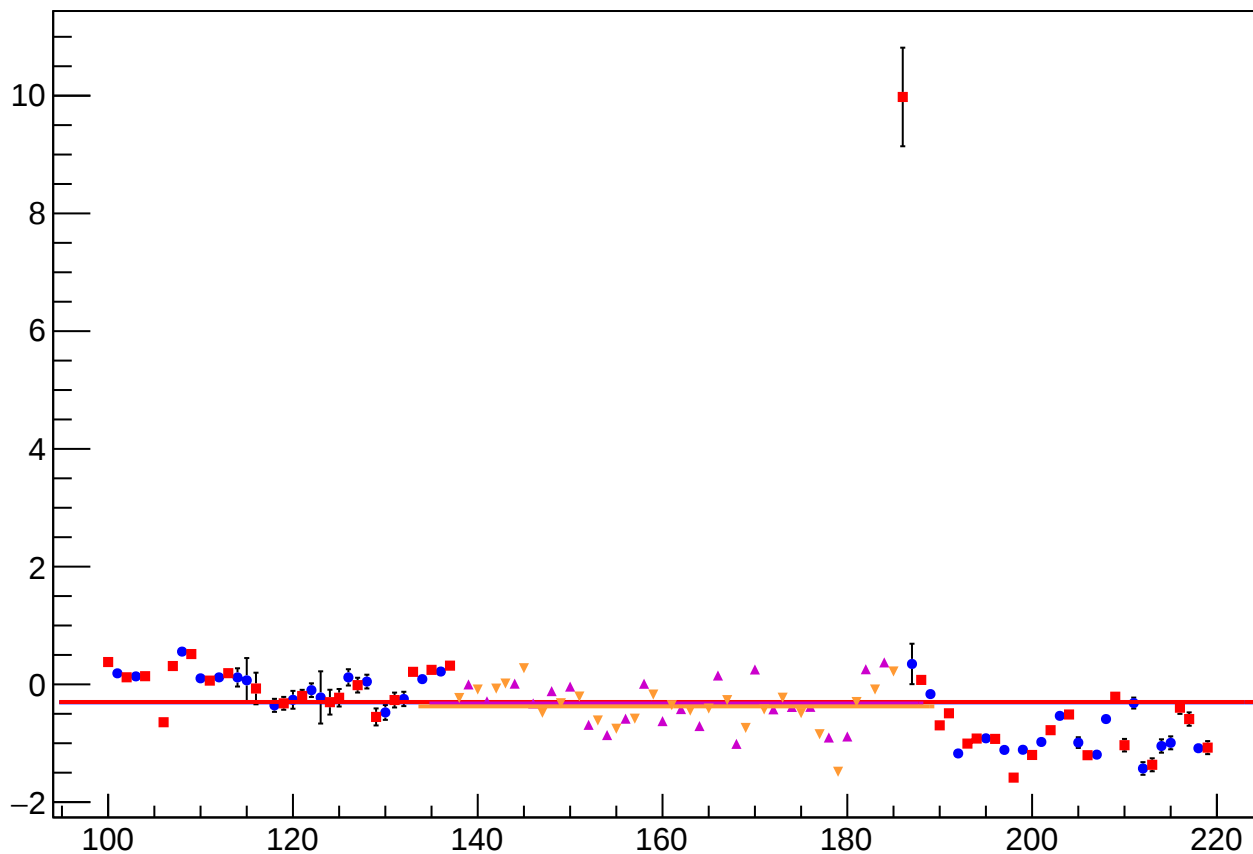
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 72.061 $\pm$ 0.146 χ^2 /NDF: 47638.4/57

All: 71.200 $\pm$ 0.103 χ^2 /NDF: 100155.1/117

- sign 70.335 $\pm$ 0.146 χ^2 /NDF: 52446.9/59

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.305 ± 0.011 χ^2/NDF : 3496.2/32

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.299 ± 0.010 χ^2/NDF : 3761.0/36

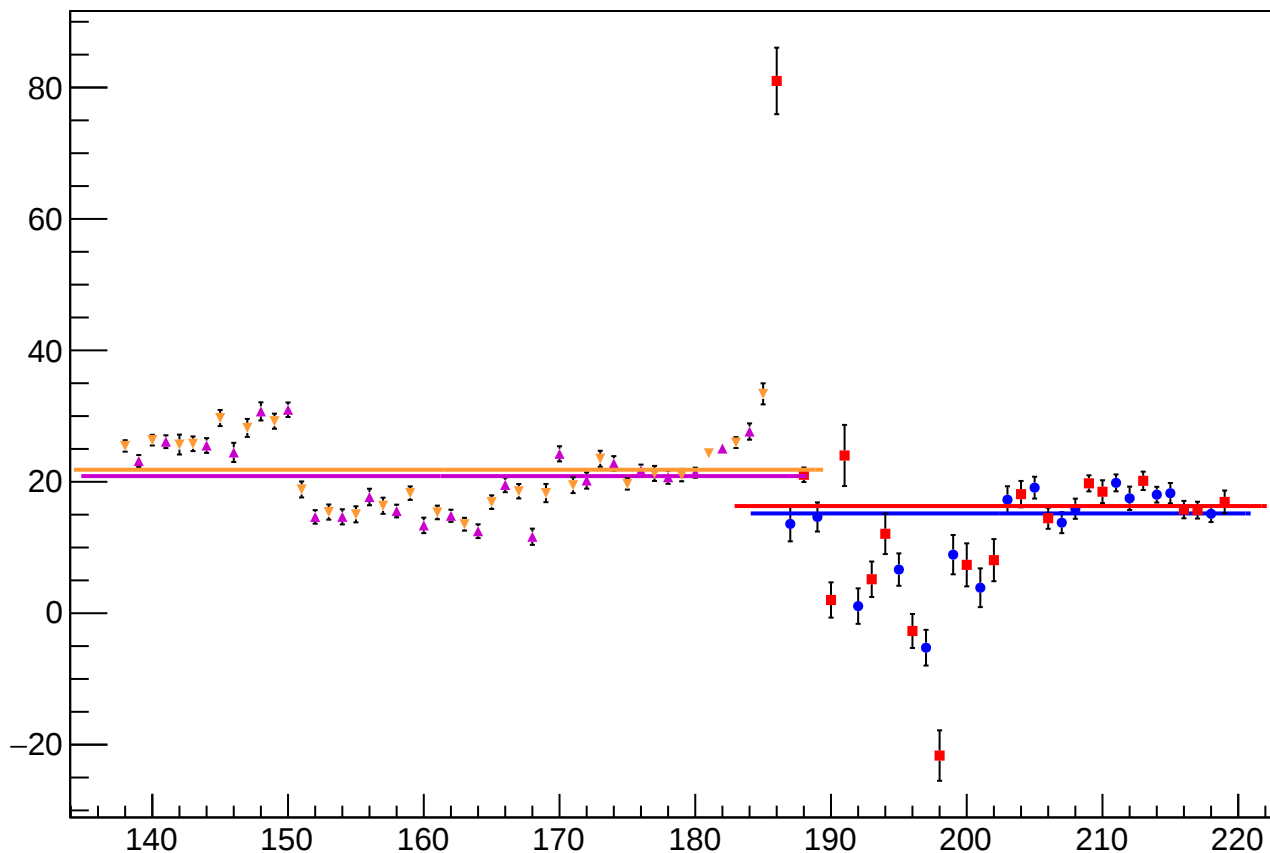
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.348 ± 0.006 χ^2/NDF : 5191.3/57

All: -0.331 ± 0.005 χ^2/NDF : 11254.1/117

- sign -0.314 ± 0.006 χ^2/NDF : 6049.3/59

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 15.186 ± 0.443 $\chi^2/\text{NDF}: 147.4/15$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 16.310 ± 0.432 $\chi^2/\text{NDF}: 417.2/17$

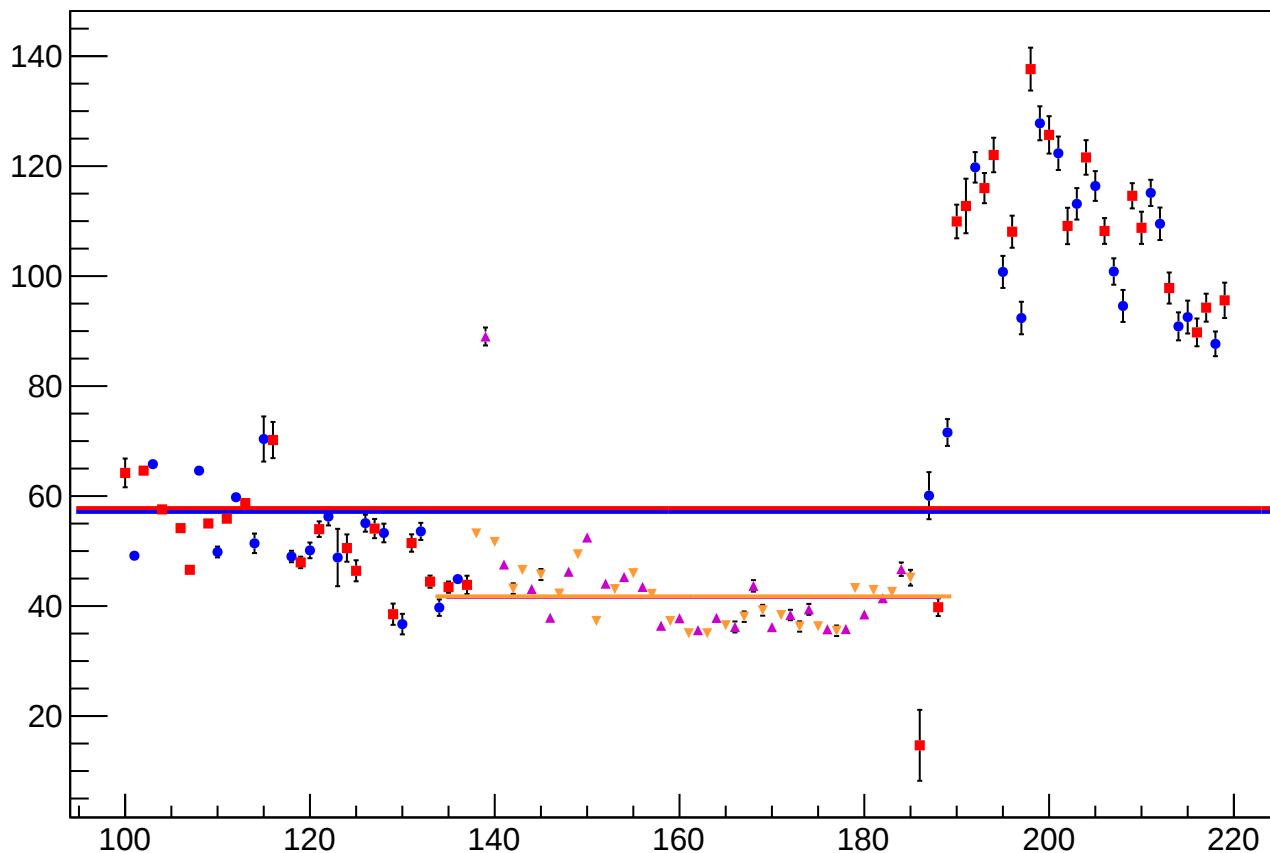
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 20.619 ± 0.190 $\chi^2/\text{NDF}: 855.7/40$

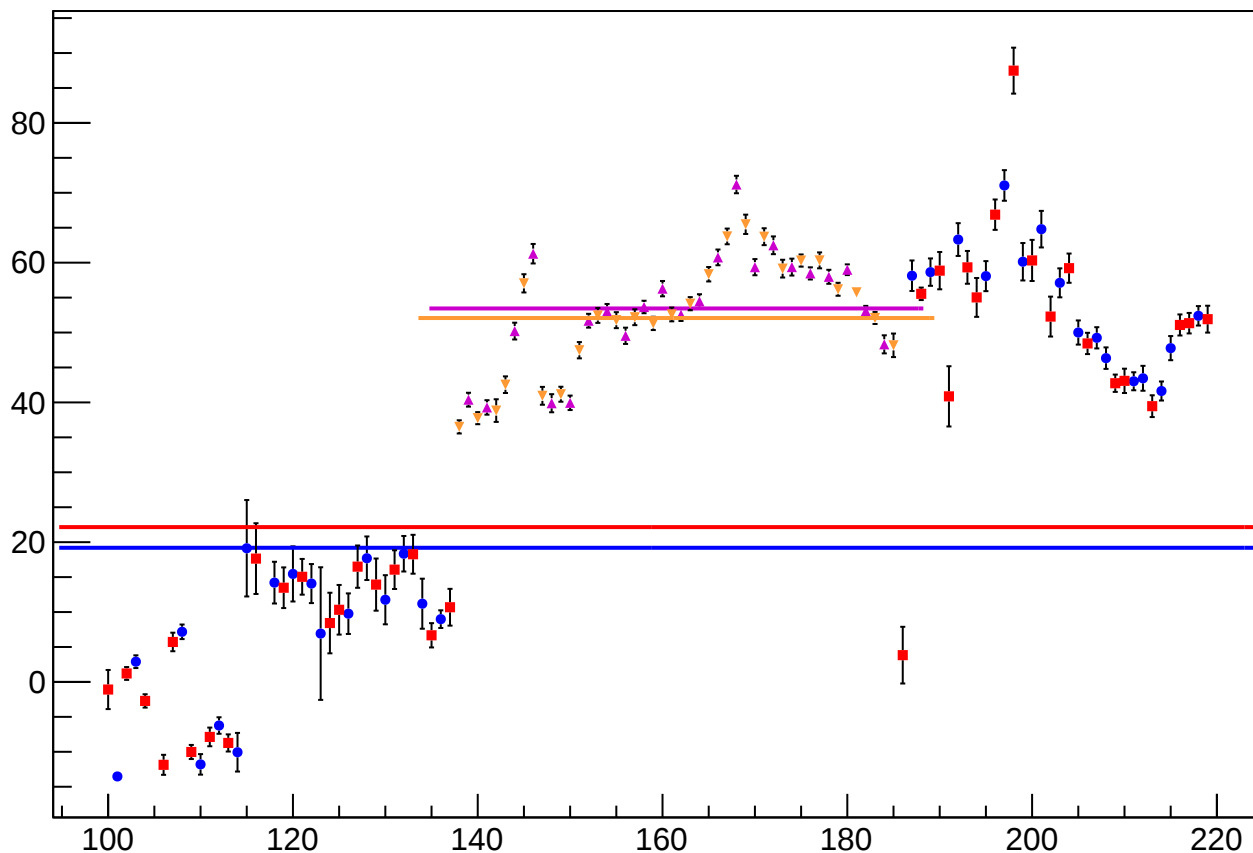
All: 20.292 ± 0.135 $\chi^2/\text{NDF}: 1944.6/81$

- sign 19.951 ± 0.194 $\chi^2/\text{NDF}: 1082.9/40$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 19.198 $\pm$ 0.282 χ^2 /NDF: 9839.6/32

Left Out: 52.076 $\pm$ 0.210 χ^2 /NDF:1450.9/24

Right Out: 22.156 $\pm$ 0.282 χ^2 /NDF: 9565.4/36

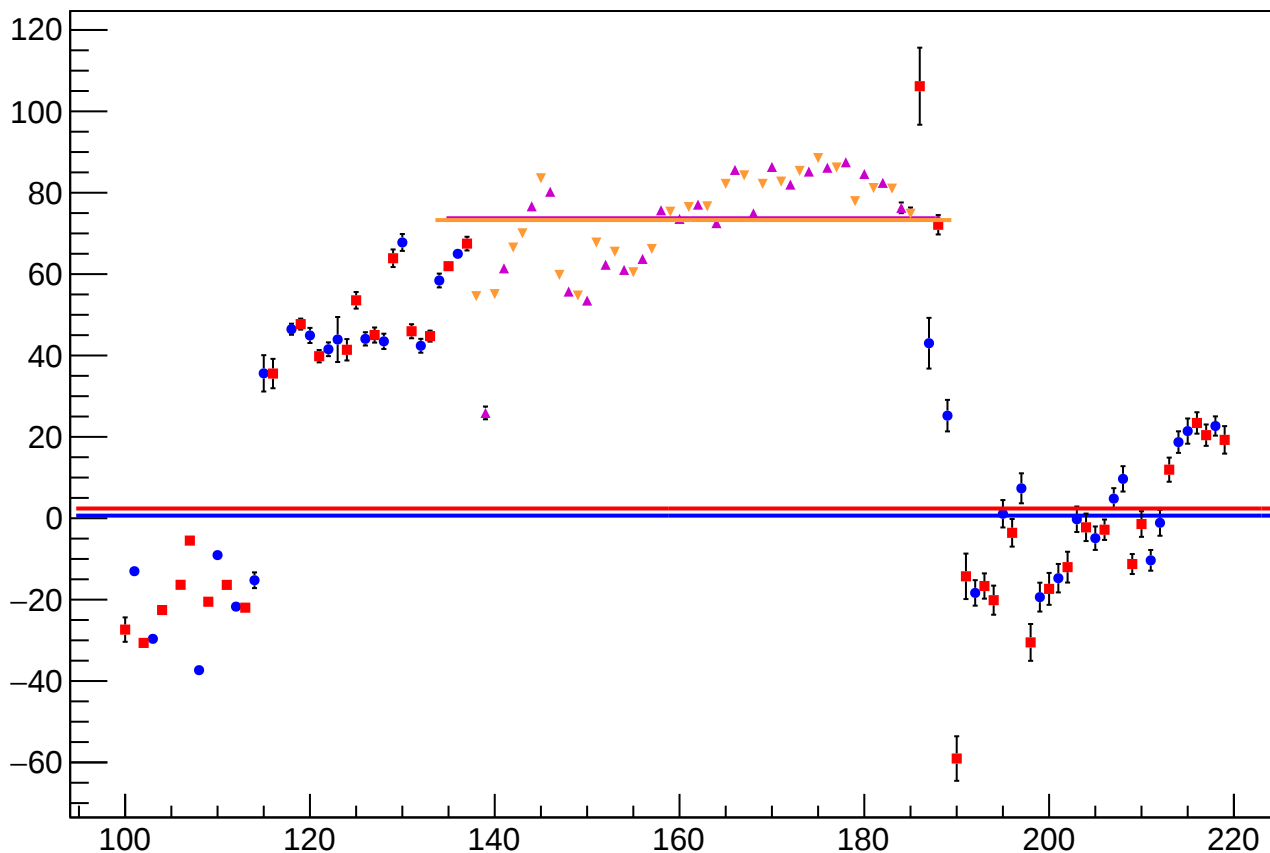
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 40.323 $\pm$ 0.168 χ^2 /NDF: 20052.2/57

All: 41.097 $\pm$ 0.120 χ^2 /NDF: 38623.5/117

- sign 41.896 $\pm$ 0.171 χ^2 /NDF: 18528.4/59

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.648+/-0.236 χ^2/NDF : 18611.7/32

Left Out: 73.284+/-0.187 χ^2/NDF : 3144.2/24

Right Out: 2.398+/-0.252 χ^2/NDF : 16886.0/36

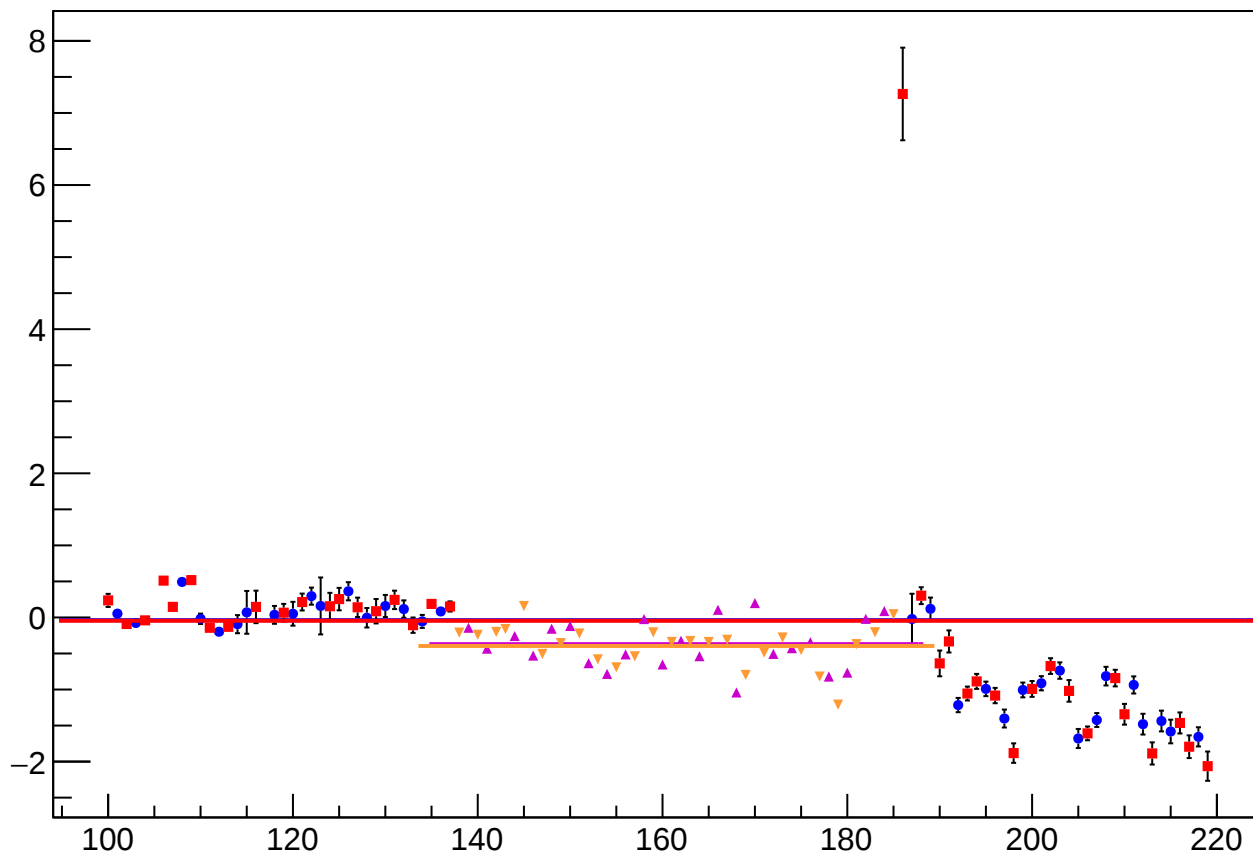
Left In: 73.730+/-0.194 χ^2/NDF : 3775.8/22

+ sign 45.274+/-0.146 χ^2/NDF : 80032.0/57

All: 46.149+/-0.106 χ^2/NDF : 151038.2/117

- sign 47.115+/-0.154 χ^2/NDF : 70931.1/59

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.038 ± 0.010 χ^2/NDF : 2009.4/32

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: -0.046 ± 0.010 χ^2/NDF : 2149.4/36

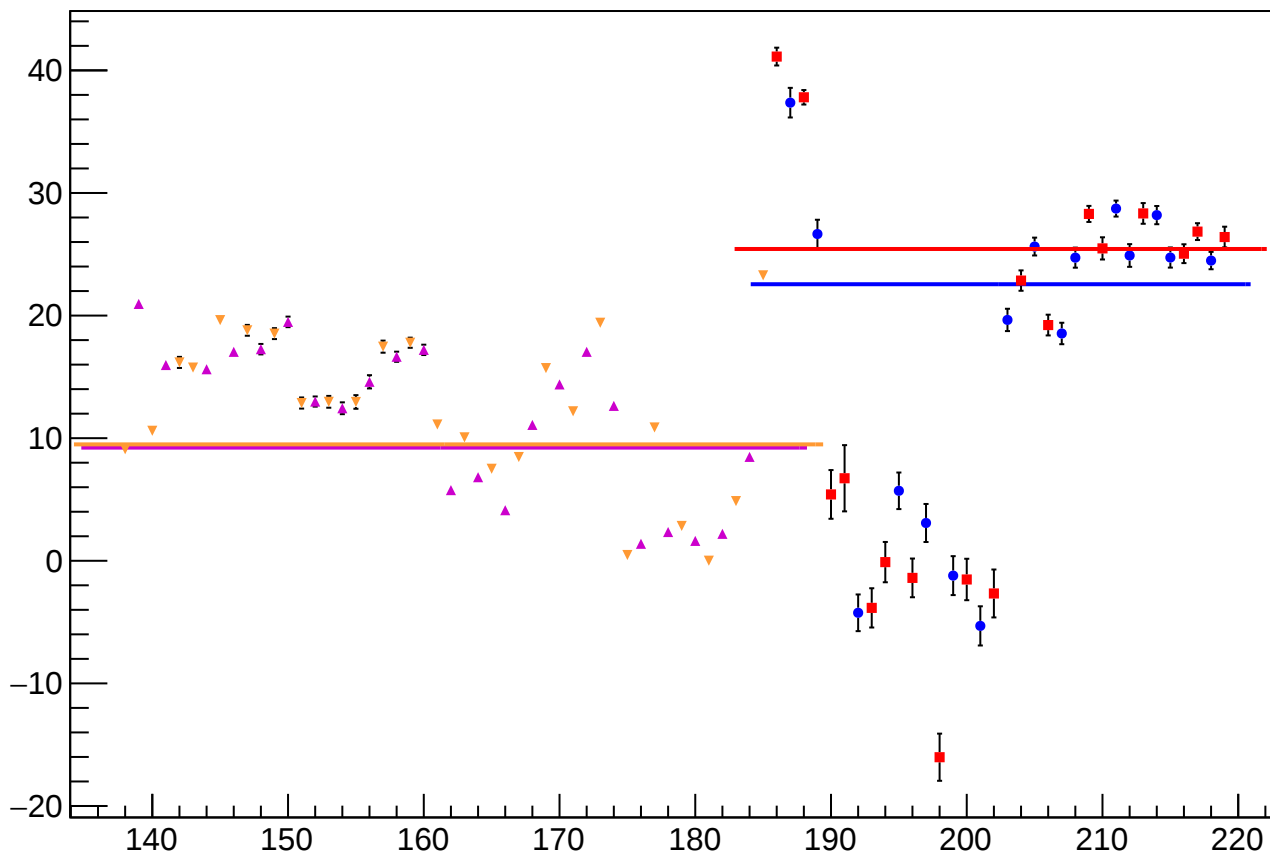
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.251 ± 0.007 χ^2/NDF : 3667.1/57

All: -0.244 ± 0.005 χ^2/NDF : 7710.6/117

- sign -0.236 ± 0.007 χ^2/NDF : 4040.9/59

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 22.558 ± 0.234 $\chi^2/\text{NDF}: 1521.1/15$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 25.432 ± 0.222 $\chi^2/\text{NDF}: 2944.3/17$

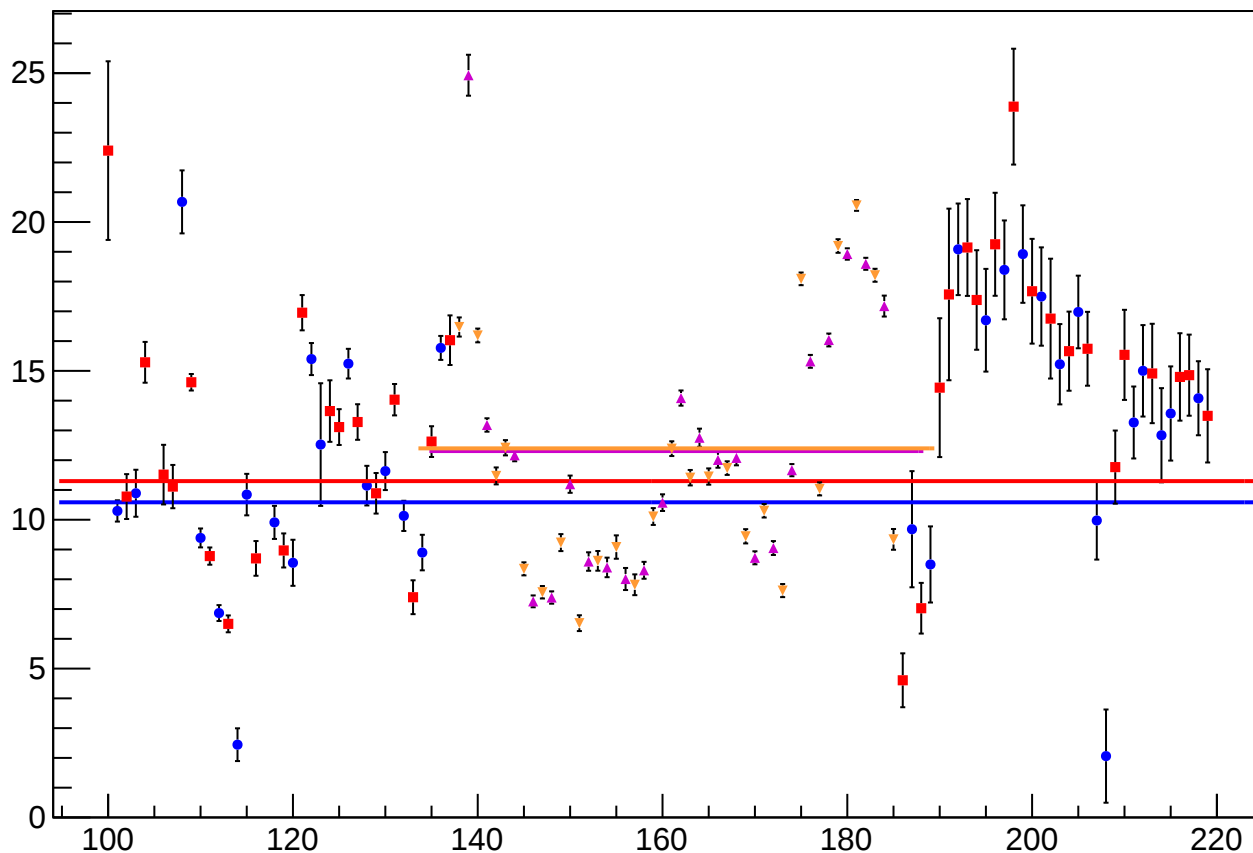
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 10.331 ± 0.059 $\chi^2/\text{NDF}: 17041.3/40$

All: 10.382 ± 0.042 $\chi^2/\text{NDF}: 35634.5/81$

- sign 10.435 ± 0.061 $\chi^2/\text{NDF}: 18591.6/40$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.585 ± 0.114 χ^2/NDF : 1081.5/32

Left Out: 12.397 ± 0.050 χ^2/NDF : 7542.8/24

Right Out: 11.297 ± 0.110 χ^2/NDF : 1076.8/36

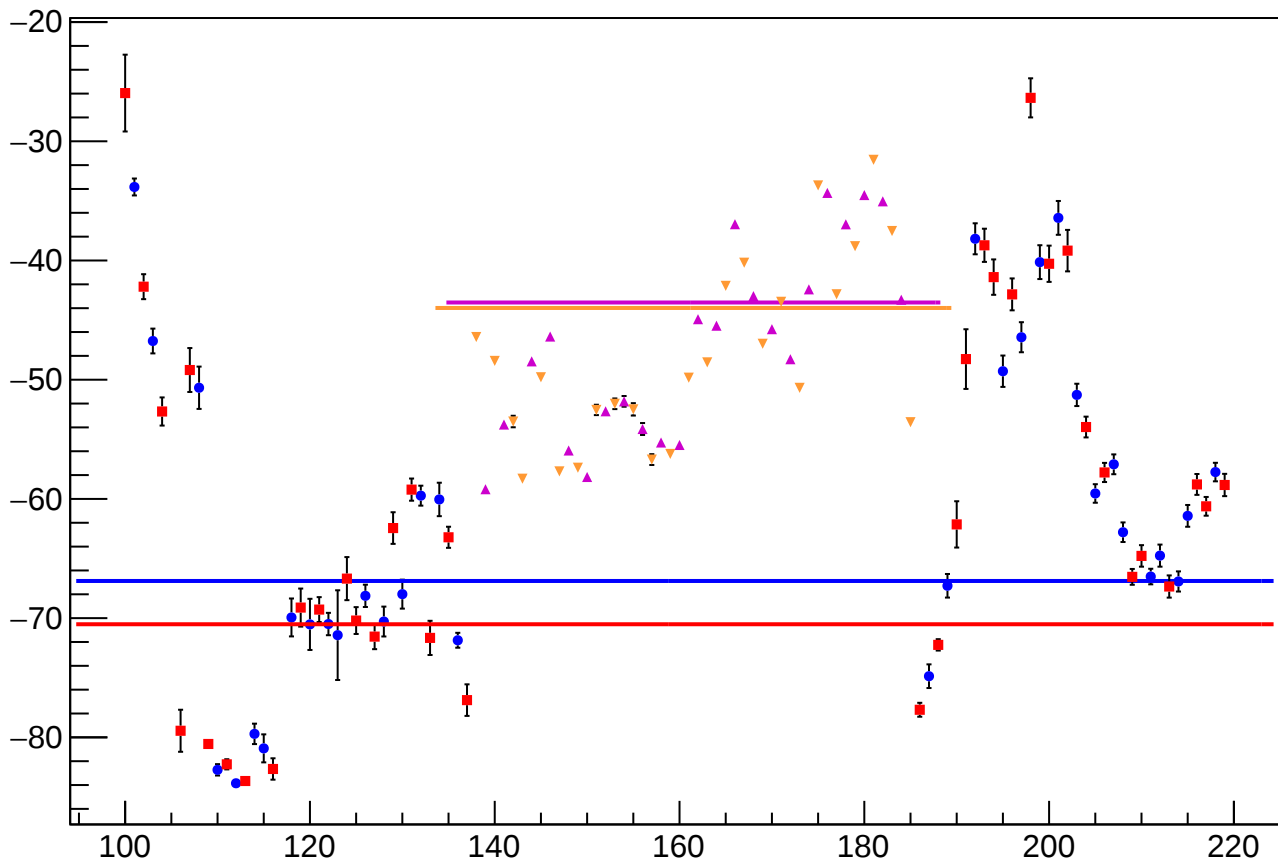
Left In: 12.307 ± 0.051 χ^2/NDF : 5601.8/22

+ sign 12.106 ± 0.046 χ^2/NDF : 8837.5/57

All: 12.117 ± 0.033 χ^2/NDF : 15585.4/117

- sign 12.127 ± 0.046 χ^2/NDF : 6747.8/59

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -66.883 ± 0.151 $\chi^2/\text{NDF}: 8801.2/32$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -70.513 ± 0.138 $\chi^2/\text{NDF}: 8618.7/36$

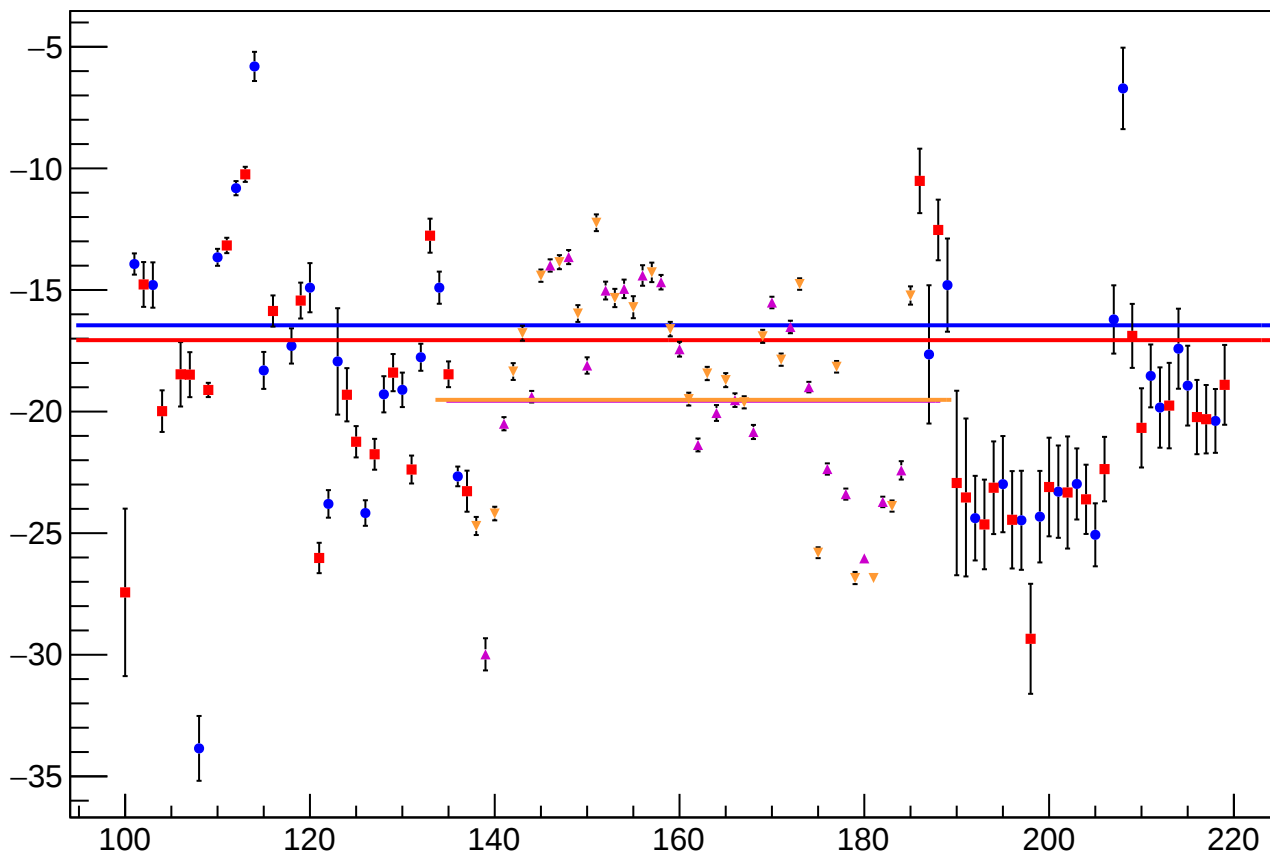
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -47.270 ± 0.057 $\chi^2/\text{NDF}: 46168.8/57$

All: -47.740 ± 0.041 $\chi^2/\text{NDF}: 101759.4/117$

- sign -48.213 ± 0.058 $\chi^2/\text{NDF}: 55455.8/59$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.452 ± 0.126 $\chi^2/\text{NDF}: 1823.2/32$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -17.063 ± 0.122 $\chi^2/\text{NDF}: 1401.8/36$

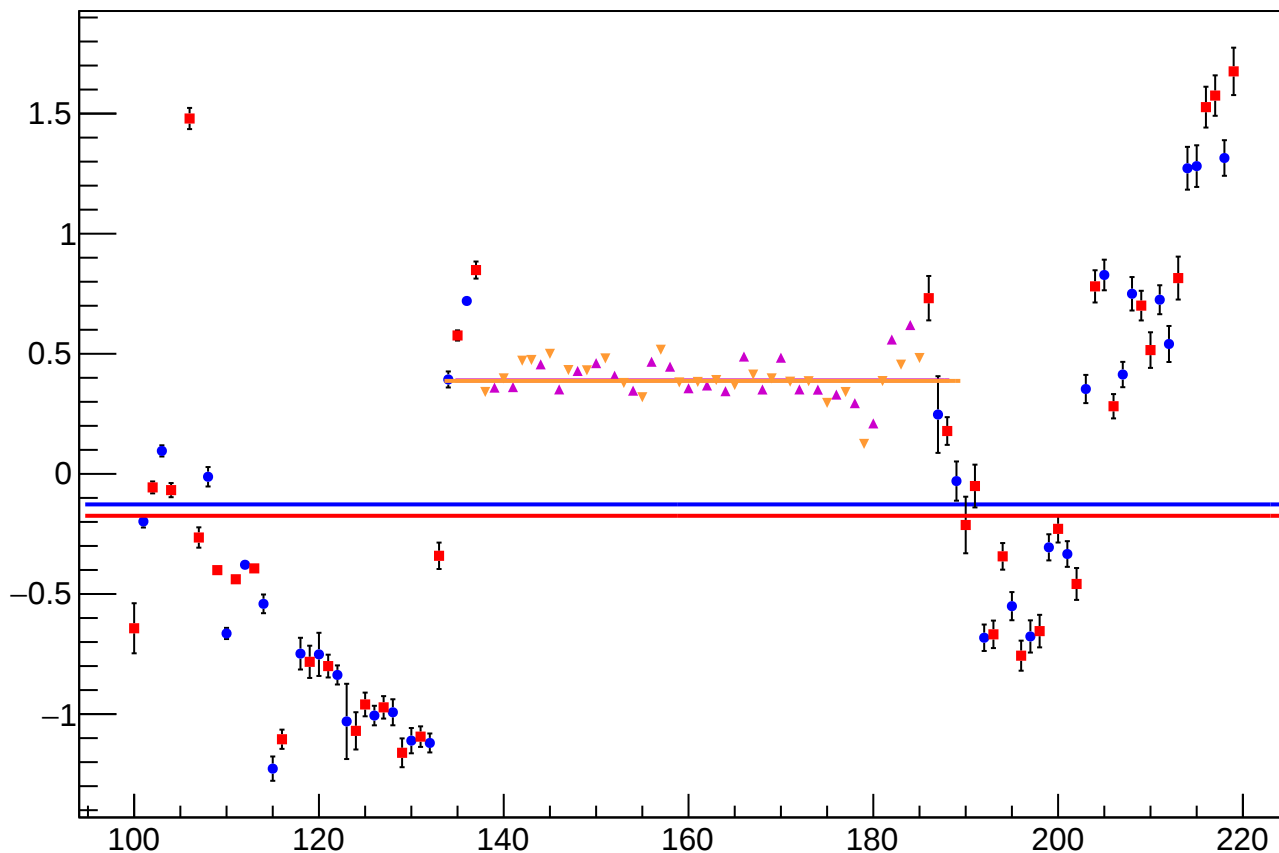
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.017 ± 0.051 $\chi^2/\text{NDF}: 8834.4/57$

All: -19.060 ± 0.036 $\chi^2/\text{NDF}: 14890.4/117$

- sign -19.104 ± 0.052 $\chi^2/\text{NDF}: 6054.6/59$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.127 ± 0.007 χ^2/NDF : 8375.9/32

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.174 ± 0.007 χ^2/NDF : 8508.0/36

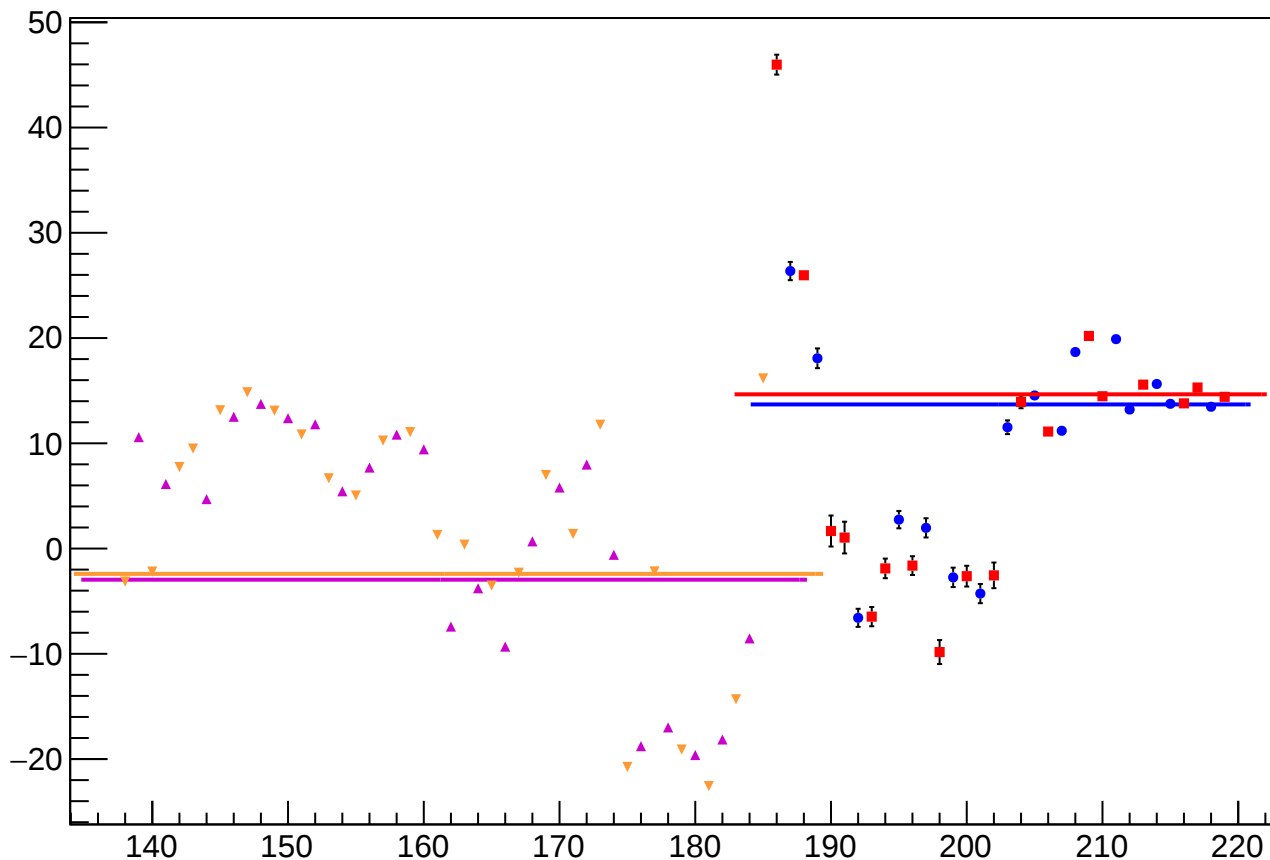
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.324 ± 0.002 χ^2/NDF : 14297.8/57

All: 0.318 ± 0.002 χ^2/NDF : 30431.9/117

- sign 0.312 ± 0.002 χ^2/NDF : 16120.4/59

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.693 ± 0.127 $\chi^2/\text{NDF}: 2374.8/15$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 14.653 ± 0.125 $\chi^2/\text{NDF}: 4440.2/17$

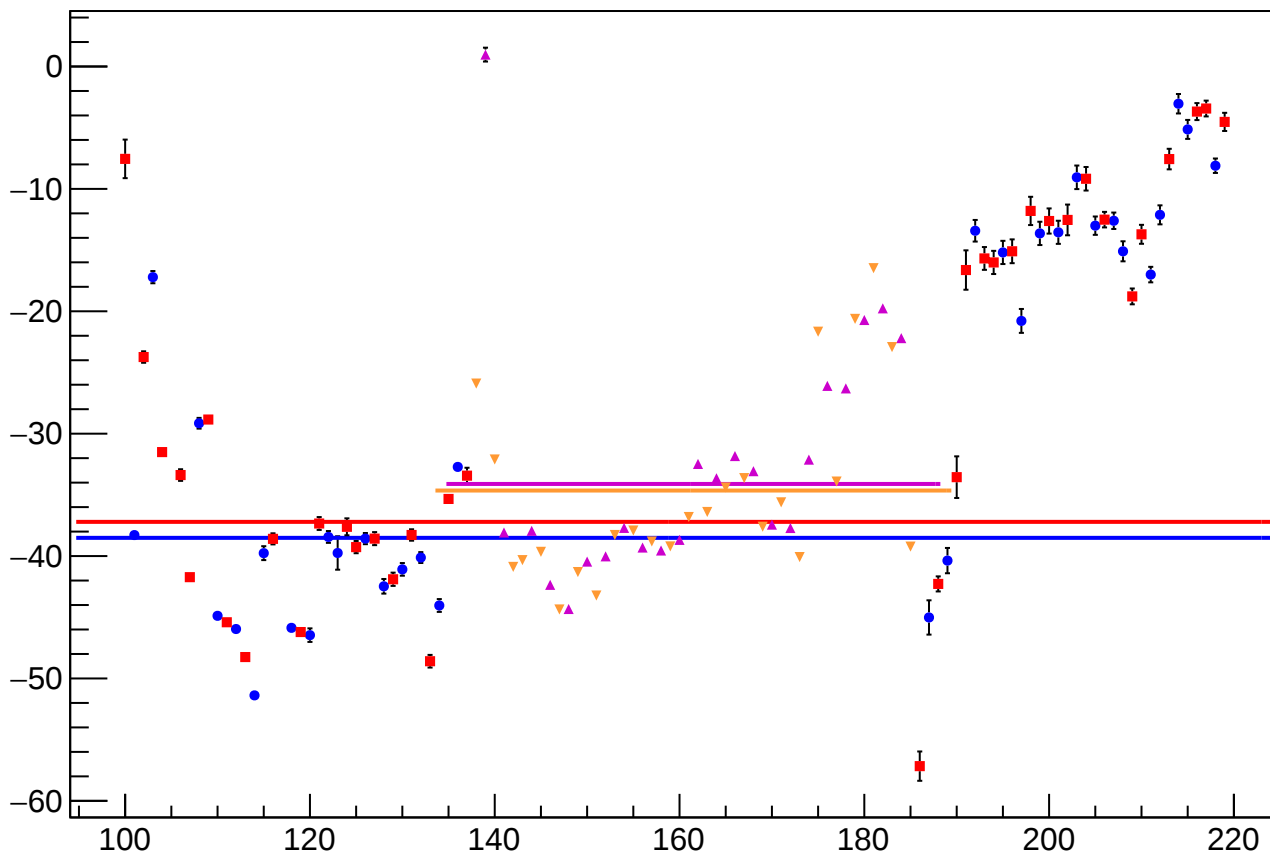
Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

+ sign -0.047 ± 0.049 $\chi^2/\text{NDF}: 72383.4/40$

All: -0.087 ± 0.035 $\chi^2/\text{NDF}: 139312.4/81$

- sign -0.129 ± 0.050 $\chi^2/\text{NDF}: 66927.6/40$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -38.511 ± 0.073 χ^2/NDF : 25063.6/32

Left Out: -34.646 ± 0.042 χ^2/NDF : 34674.7/24

Right Out: -37.205 ± 0.068 χ^2/NDF : 28724.1/36

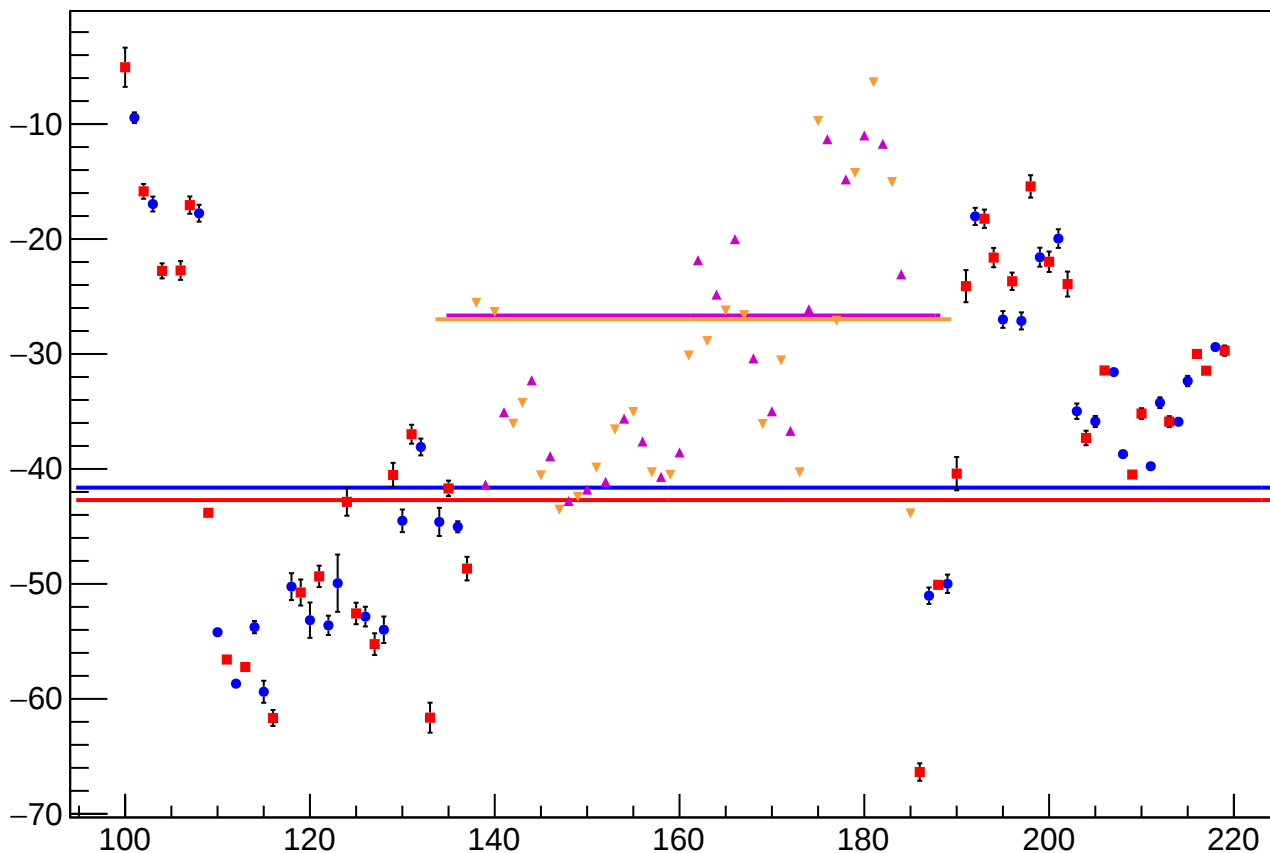
Left In: -34.108 ± 0.044 χ^2/NDF : 29052.8/22

+ sign -35.599 ± 0.036 χ^2/NDF : 61849.9/57

All: -35.312 ± 0.026 χ^2/NDF : 121205.6/117

- sign -35.013 ± 0.037 χ^2/NDF : 59227.7/59

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -41.626 ± 0.090 χ^2/NDF : 24101.7/32

Left Out: -26.978 ± 0.053 χ^2/NDF : 49361.1/24

Right Out: -42.709 ± 0.082 χ^2/NDF : 23754.8/36

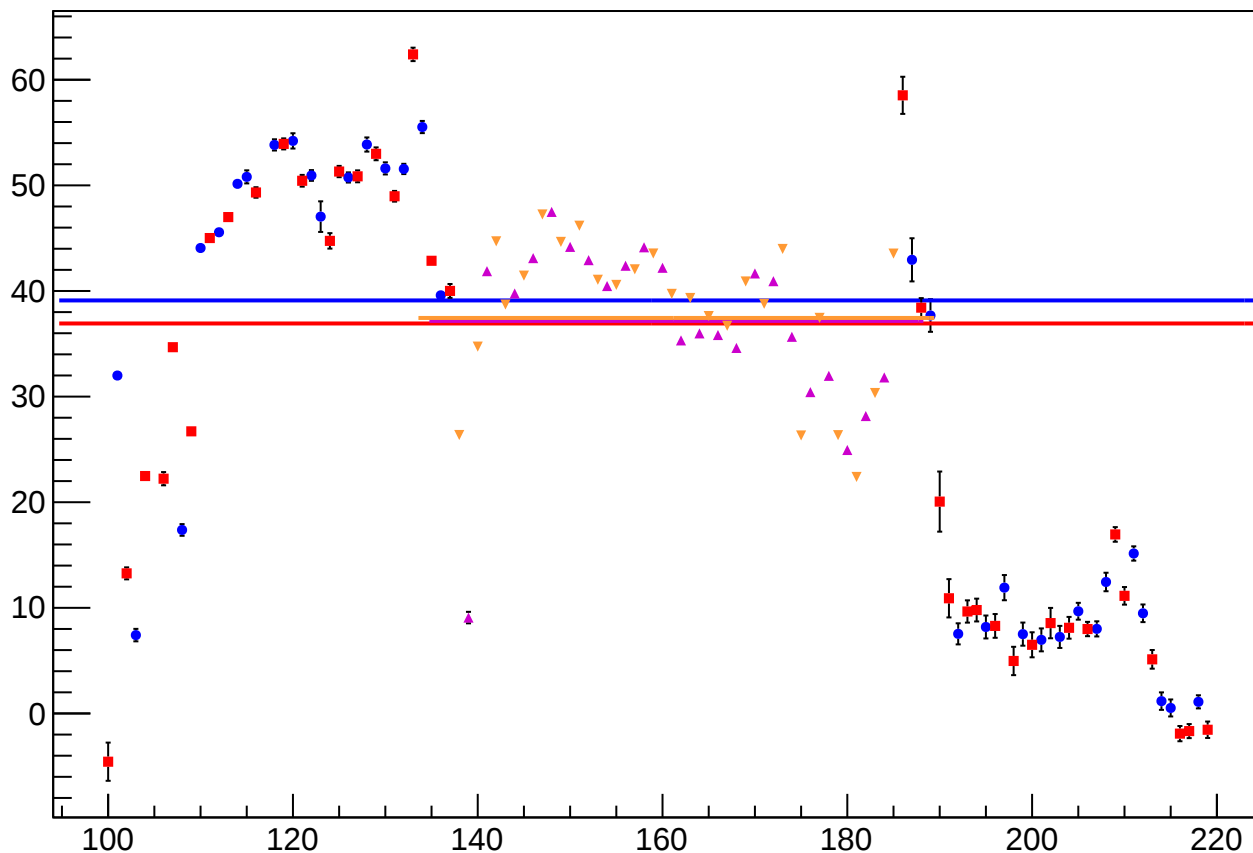
Left In: -26.654 ± 0.055 χ^2/NDF : 42106.8/22

+ sign -30.797 ± 0.046 χ^2/NDF : 93239.6/57

All: -31.228 ± 0.032 χ^2/NDF : 185885.3/117

- sign -31.655 ± 0.046 χ^2/NDF : 92469.2/59

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 39.106 $\pm$ 0.081 χ^2 /NDF: 33150.4/32

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 36.924 $\pm$ 0.076 χ^2 /NDF: 37934.6/36

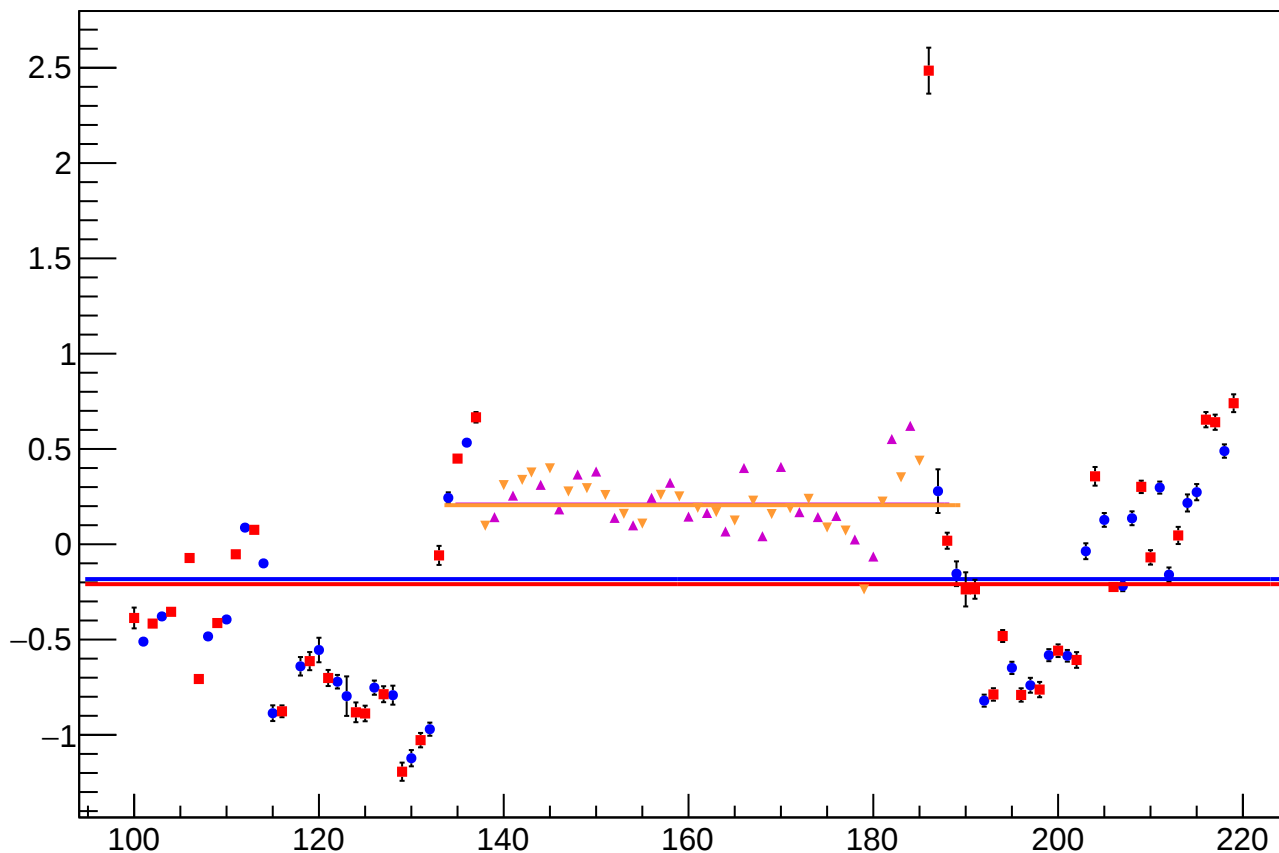
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 37.866 $\pm$ 0.041 χ^2 /NDF: 55033.4/57

All: 37.485 $\pm$ 0.029 χ^2 /NDF: 110388.5/117

- sign 37.096 $\pm$ 0.041 χ^2 /NDF: 55178.9/59

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.183 ± 0.004 $\chi^2/\text{NDF}: 9480.2/32$

Left Out: 0.205 ± 0.002 $\chi^2/\text{NDF}: 3826.2/24$

Right Out: -0.209 ± 0.004 $\chi^2/\text{NDF}: 10760.3/36$

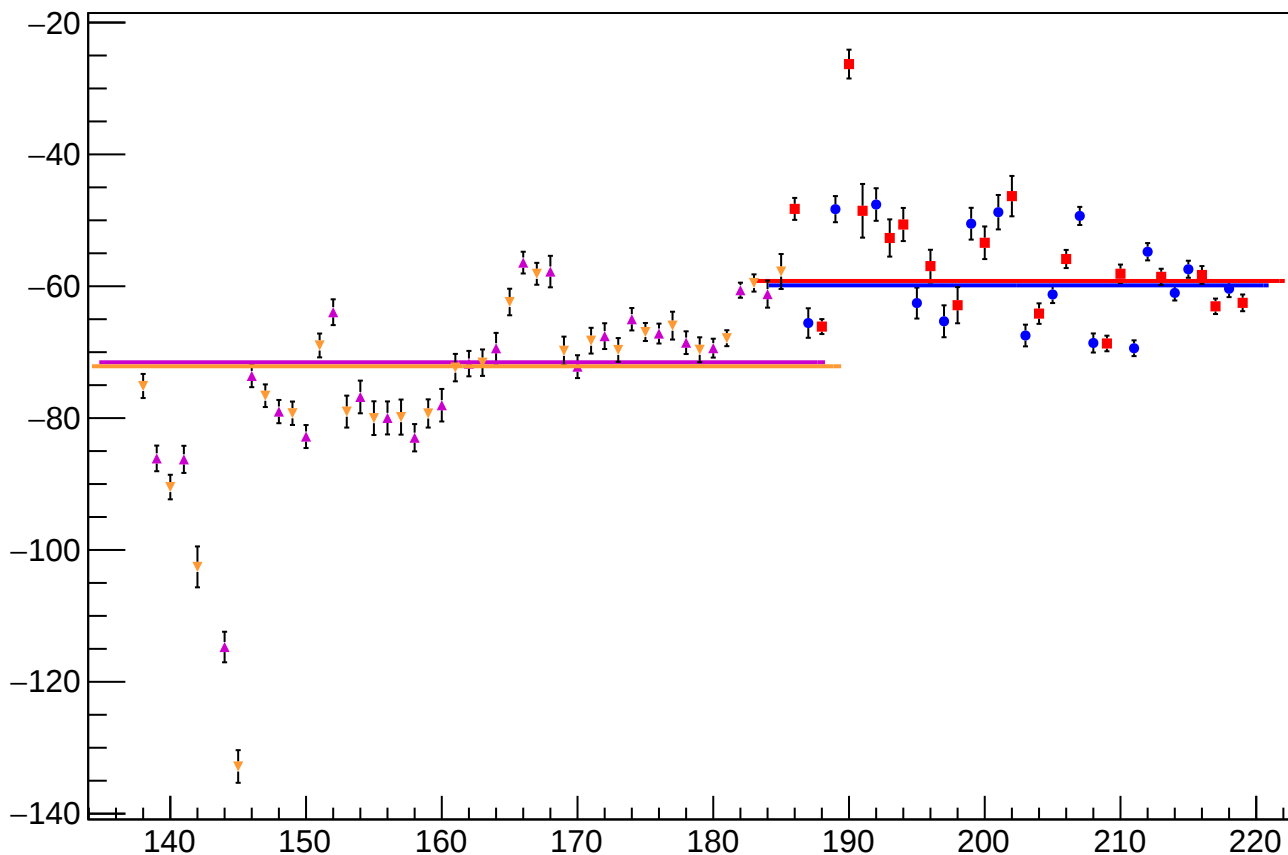
Left In: 0.208 ± 0.002 $\chi^2/\text{NDF}: 5094.6/22$

+ sign 0.125 ± 0.002 $\chi^2/\text{NDF}: 19831.7/57$

All: 0.115 ± 0.001 $\chi^2/\text{NDF}: 44365.0/117$

- sign 0.104 ± 0.002 $\chi^2/\text{NDF}: 24474.2/59$

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -59.863 ± 0.392 χ^2/NDF : 305.6/15

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -59.198 ± 0.378 χ^2/NDF : 455.5/17

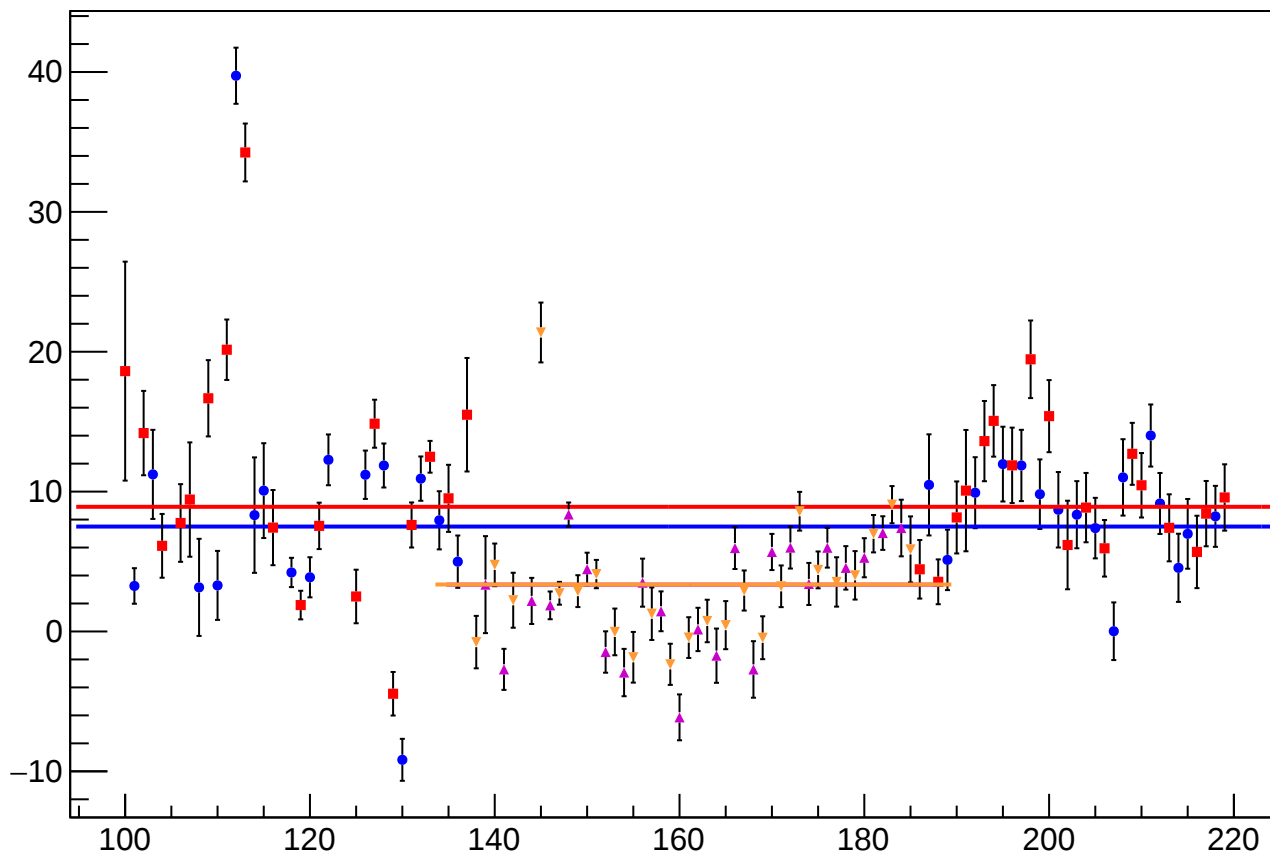
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -66.145 ± 0.274 χ^2/NDF : 1928.8/39

All: -65.720 ± 0.192 χ^2/NDF : 3767.3/80

- sign -65.312 ± 0.269 χ^2/NDF : 1833.8/40

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.500 $\pm$ 0.356 χ^2/NDF : 476.6/31

Left Out: 3.357 $\pm$ 0.295 χ^2/NDF :167.7/23

Right Out: 8.913 $\pm$ 0.352 χ^2/NDF : 404.4/35

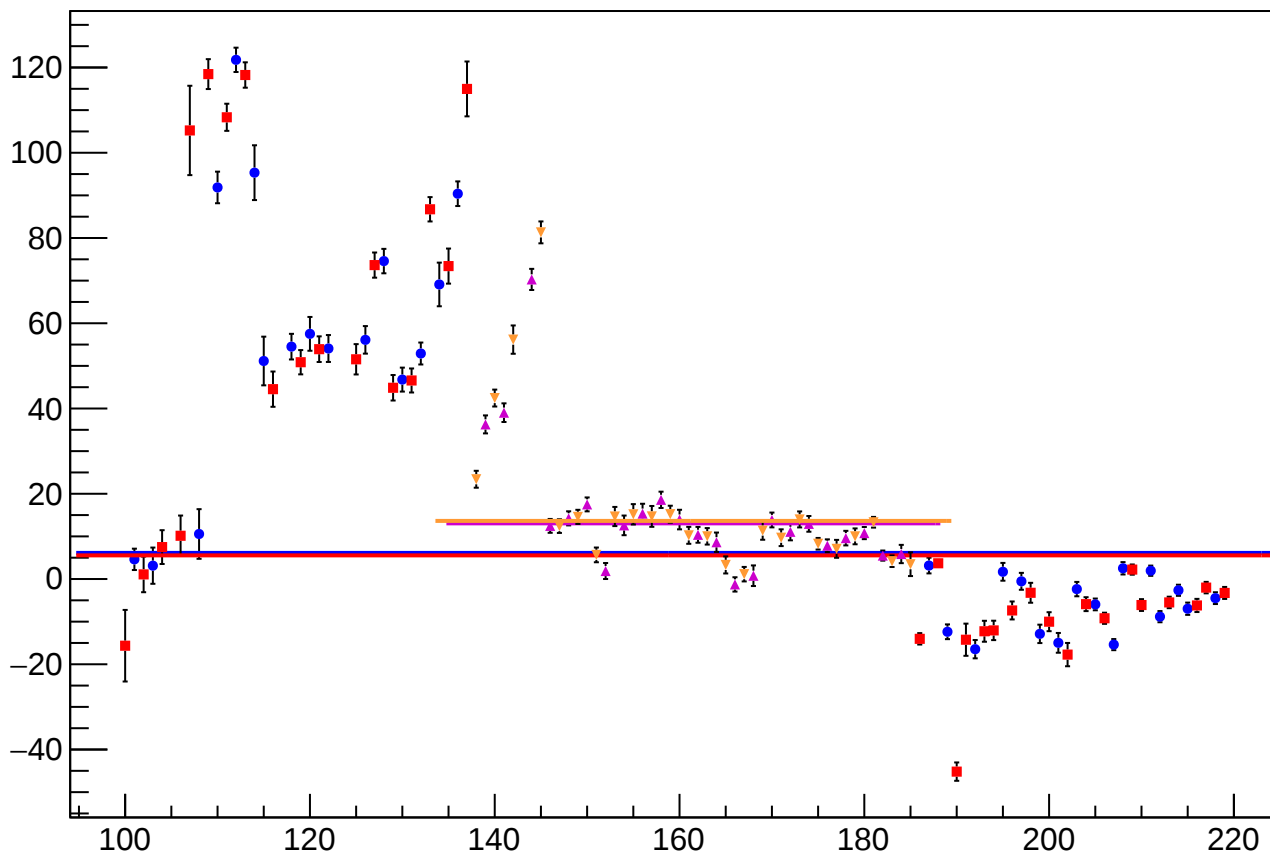
Left In: 3.349 $\pm$ 0.298 χ^2/NDF :163.5/22

+ sign 5.045 $\pm$ 0.227 χ^2/NDF : 724.7/55

All: 5.358 $\pm$ 0.161 χ^2/NDF : 1441.9/114

- sign 5.673 $\pm$ 0.228 χ^2/NDF : 713.3/58

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 6.125 $\pm$ 0.354 χ^2 /NDF: 6553.3/31

Left Out: 13.632 $\pm$ 0.382 χ^2 /NDF:1300.0/23

Right Out: 5.546 $\pm$ 0.338 χ^2 /NDF: 8205.2/35

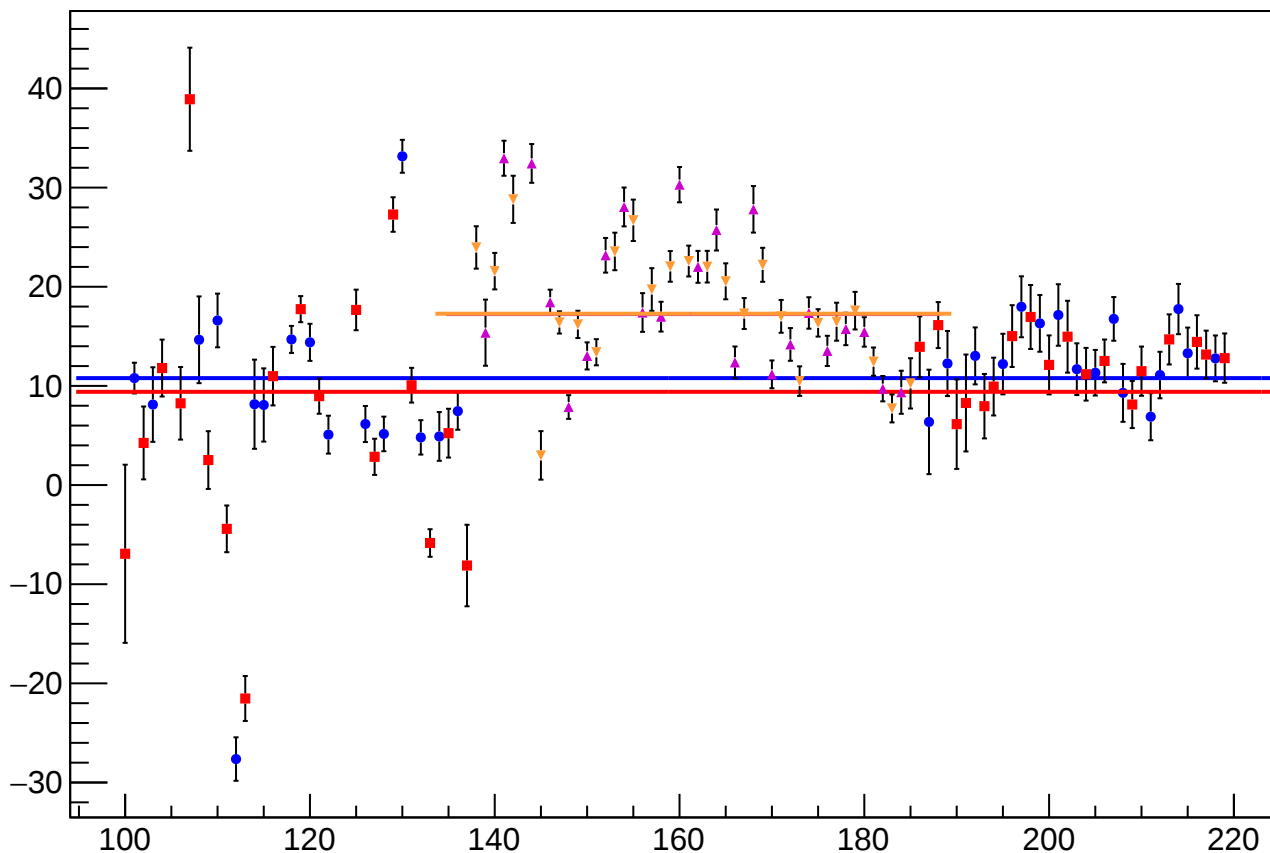
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 9.600 $\pm$ 0.260 χ^2 /NDF: 8061.0/55

All: 9.223 $\pm$ 0.181 χ^2 /NDF: 17513.2/114

- sign 8.867 $\pm$ 0.253 χ^2 /NDF: 9448.2/58

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.785 $\pm$ 0.406 χ^2/NDF : 588.5/31

Left Out: 17.280 $\pm$ 0.337 χ^2/NDF : 243.9/23

Right Out: 9.403 $\pm$ 0.406 χ^2/NDF : 619.8/35

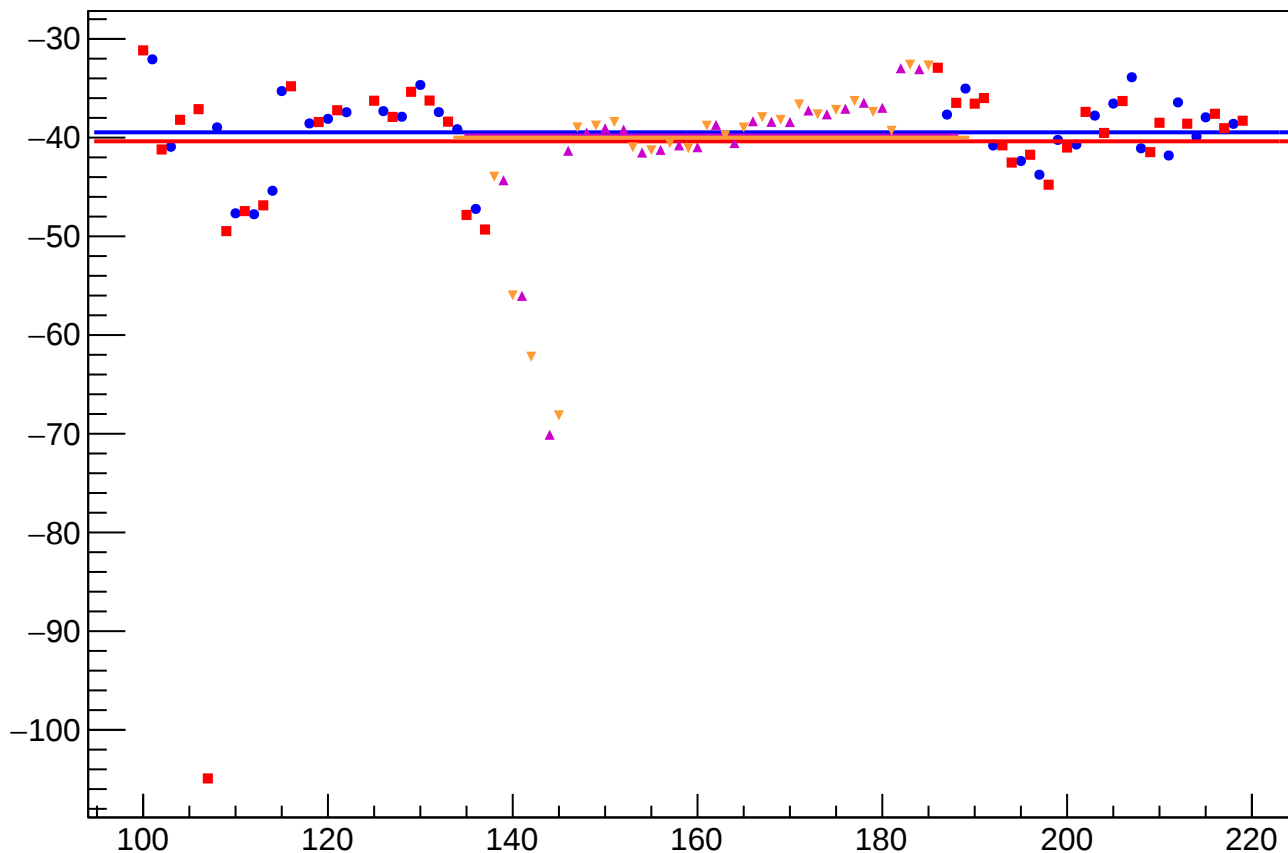
Left In: 17.245 $\pm$ 0.339 χ^2/NDF : 440.8/22

+ sign 14.626 $\pm$ 0.259 χ^2/NDF : 984.0/55

All: 14.324 $\pm$ 0.184 χ^2/NDF : 2267.0/114

- sign 14.019 $\pm$ 0.260 χ^2/NDF : 1280.2/58

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.462 ± 0.020 χ^2/NDF : 37945.3/31

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.374 ± 0.020 χ^2/NDF : 107993.6/35

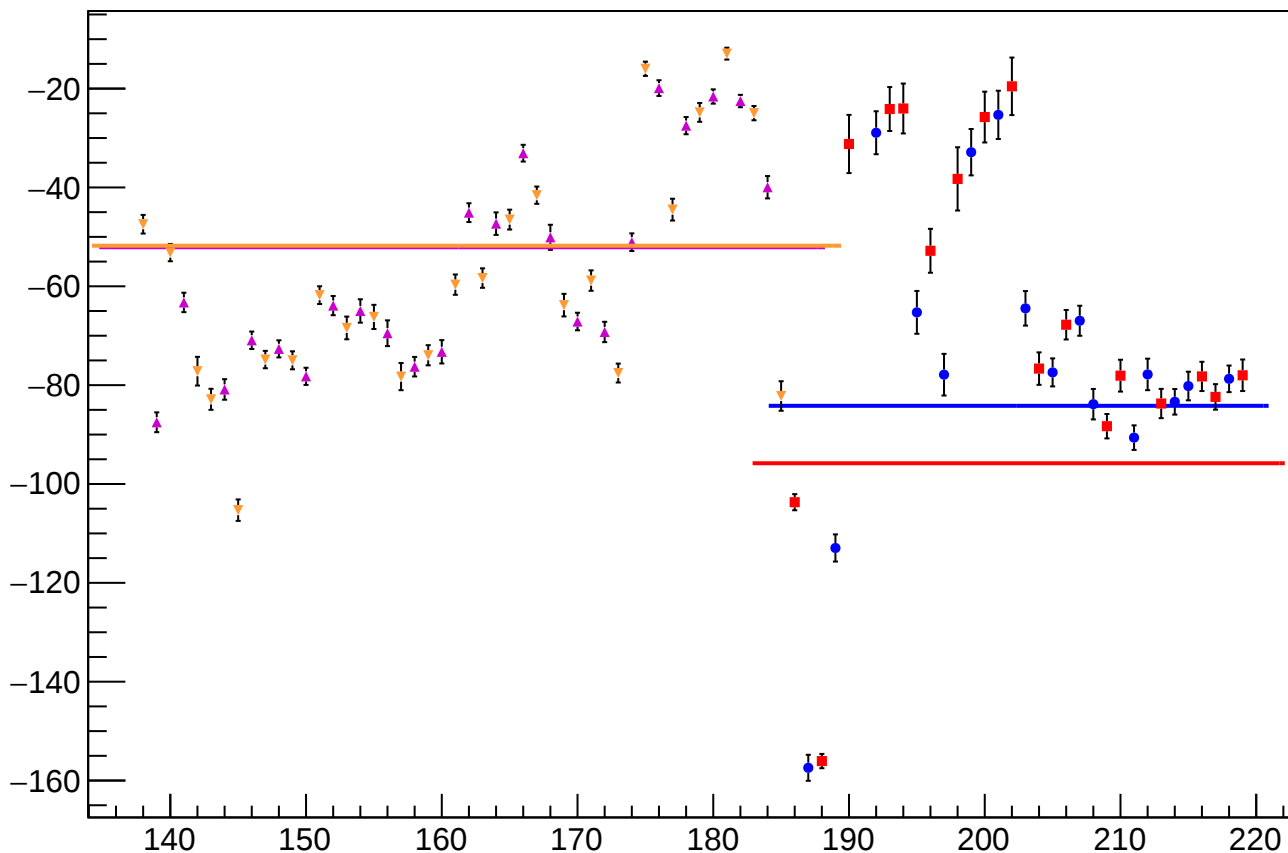
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.796 ± 0.012 χ^2/NDF : 210649.5/55

All: -39.903 ± 0.009 χ^2/NDF : 463823.4/114

- sign -40.009 ± 0.012 χ^2/NDF : 253026.8/58

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -84.181 ± 0.787 χ^2/NDF : 1418.4/15

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -95.801 ± 0.697 χ^2/NDF : 3146.8/16

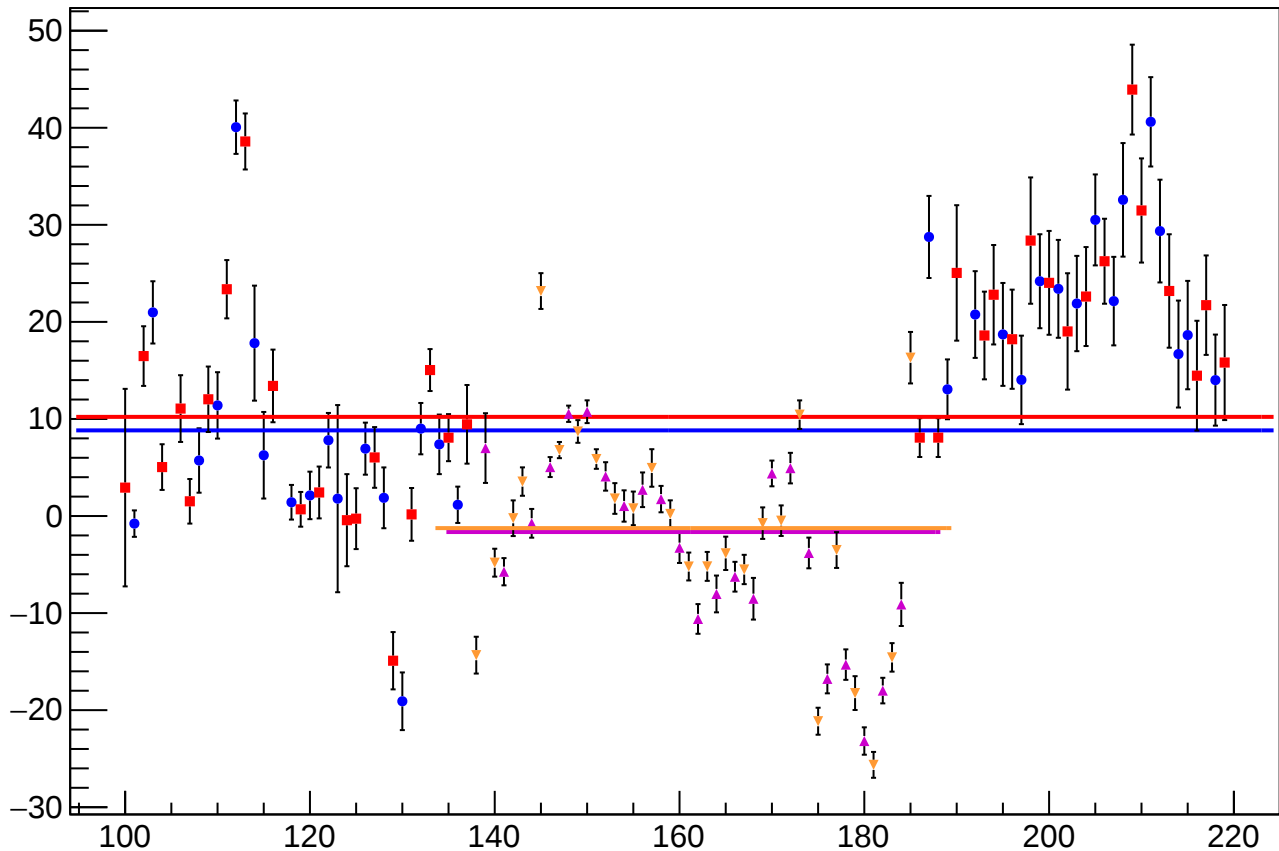
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -57.977 ± 0.344 χ^2/NDF : 6952.8/40

All: -60.251 ± 0.242 χ^2/NDF : 16462.6/80

- sign -62.463 ± 0.339 χ^2/NDF : 9423.6/39

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 8.823 ± 0.553 $\chi^2/\text{NDF}: 510.1/32$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 10.215 ± 0.543 $\chi^2/\text{NDF}: 422.3/35$

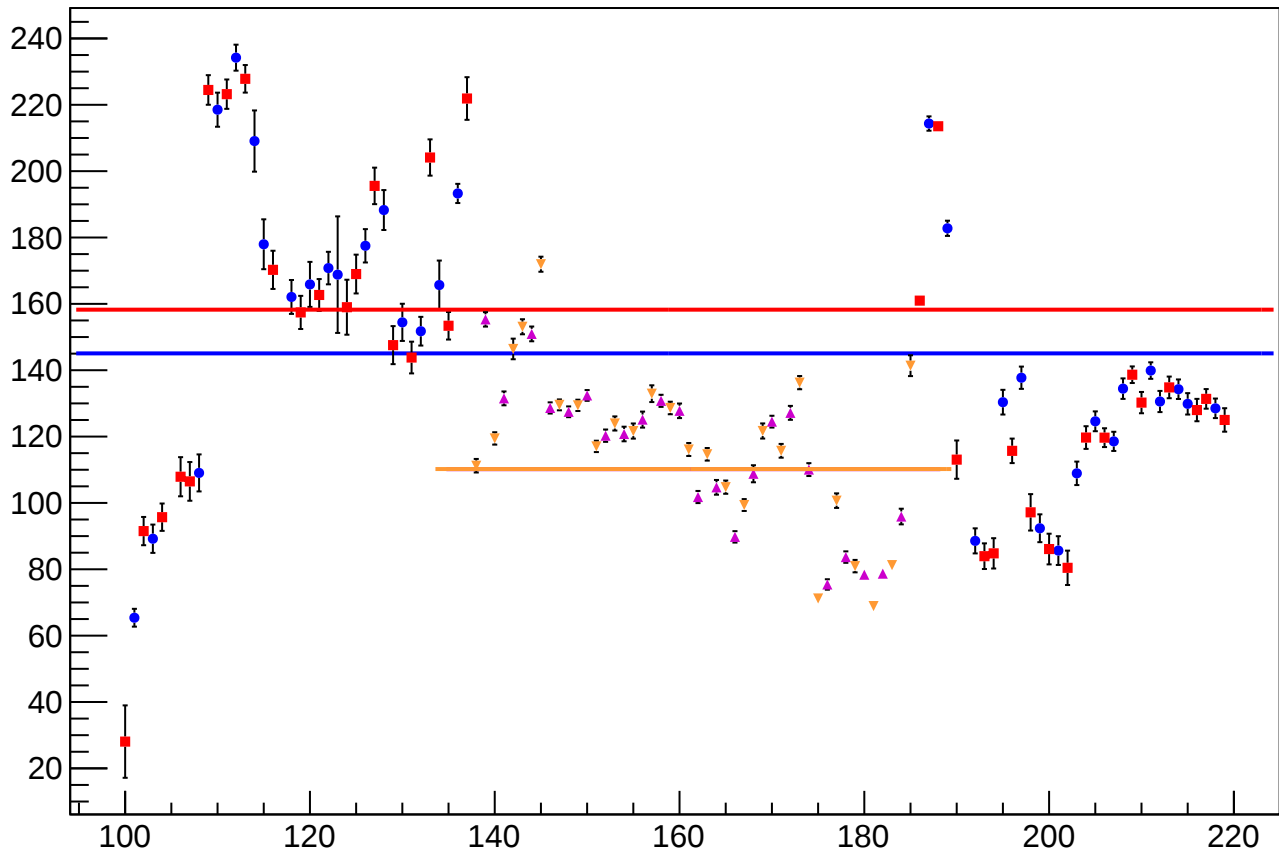
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.944 ± 0.258 $\chi^2/\text{NDF}: 2091.7/57$

All: 1.033 ± 0.184 $\chi^2/\text{NDF}: 3972.1/116$

- sign 1.125 ± 0.263 $\chi^2/\text{NDF}: 1880.1/58$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 145.074 ± 0.632 $\chi^2/\text{NDF}: 4544.4/32$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 158.252 ± 0.557 $\chi^2/\text{NDF}: 6163.6/35$

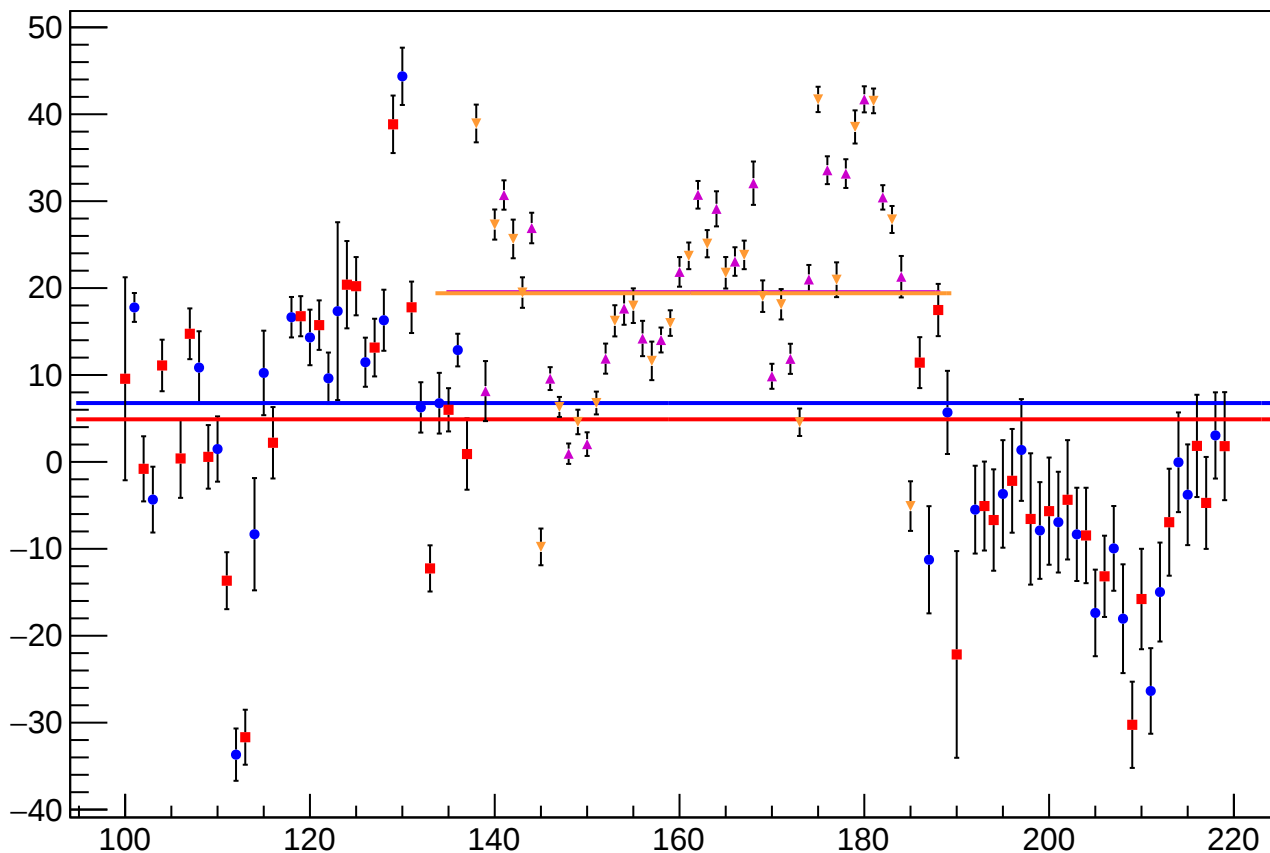
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 119.536 ± 0.327 $\chi^2/\text{NDF}: 11365.0/57$

All: 122.756 ± 0.228 $\chi^2/\text{NDF}: 26458.6/116$

- sign 125.785 ± 0.317 $\chi^2/\text{NDF}: 14905.4/58$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 6.772 ± 0.637 χ^2/NDF : 573.2/32

Left Out: 19.405 ± 0.335 χ^2/NDF : 1453.4/24

Right Out: 4.900 ± 0.639 χ^2/NDF : 566.6/35

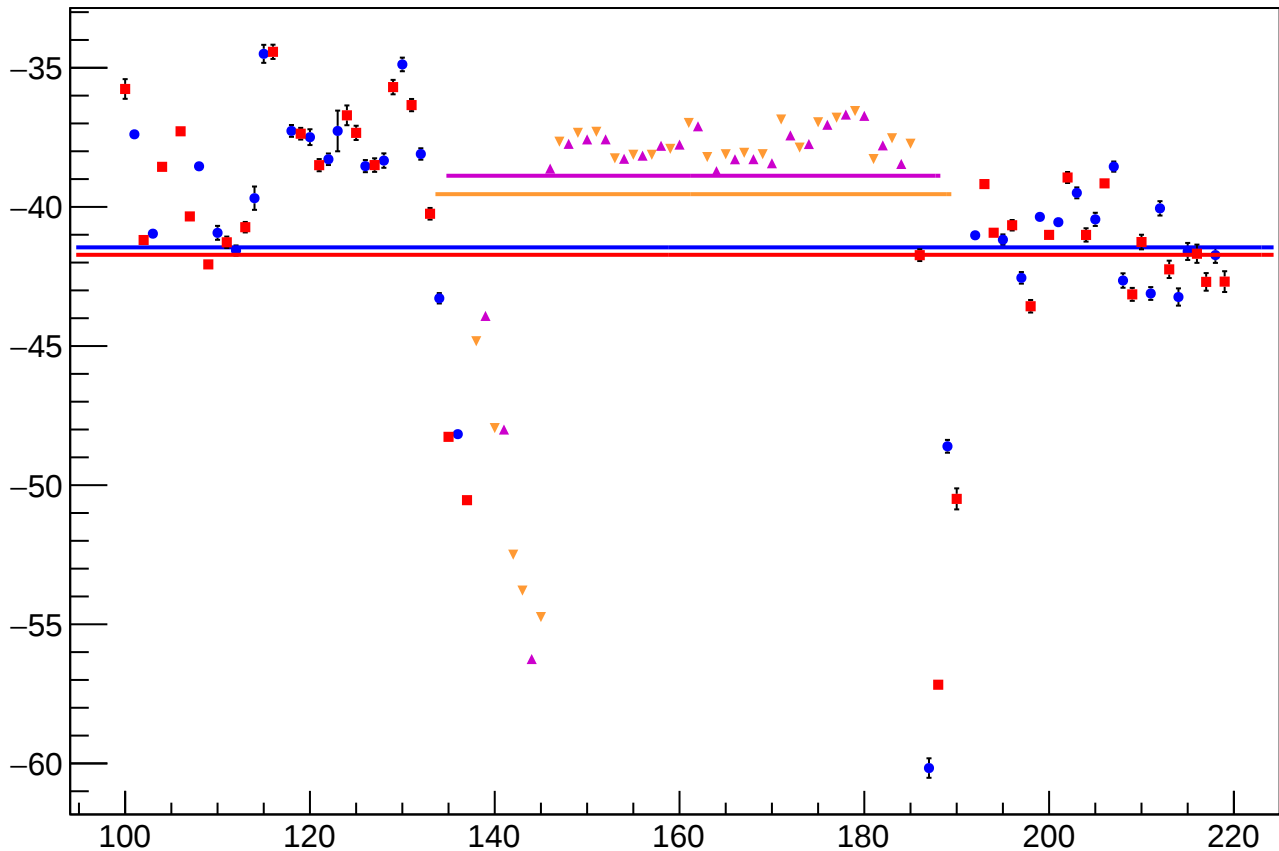
Left In: 19.530 ± 0.342 χ^2/NDF : 1181.3/22

+ sign 16.669 ± 0.296 χ^2/NDF : 2335.1/57

All: 16.473 ± 0.211 χ^2/NDF : 4490.7/116

- sign 16.269 ± 0.302 χ^2/NDF : 2154.7/58

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.453 ± 0.031 χ^2/NDF : 16957.6/32

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -41.721 ± 0.031 χ^2/NDF : 23130.1/35

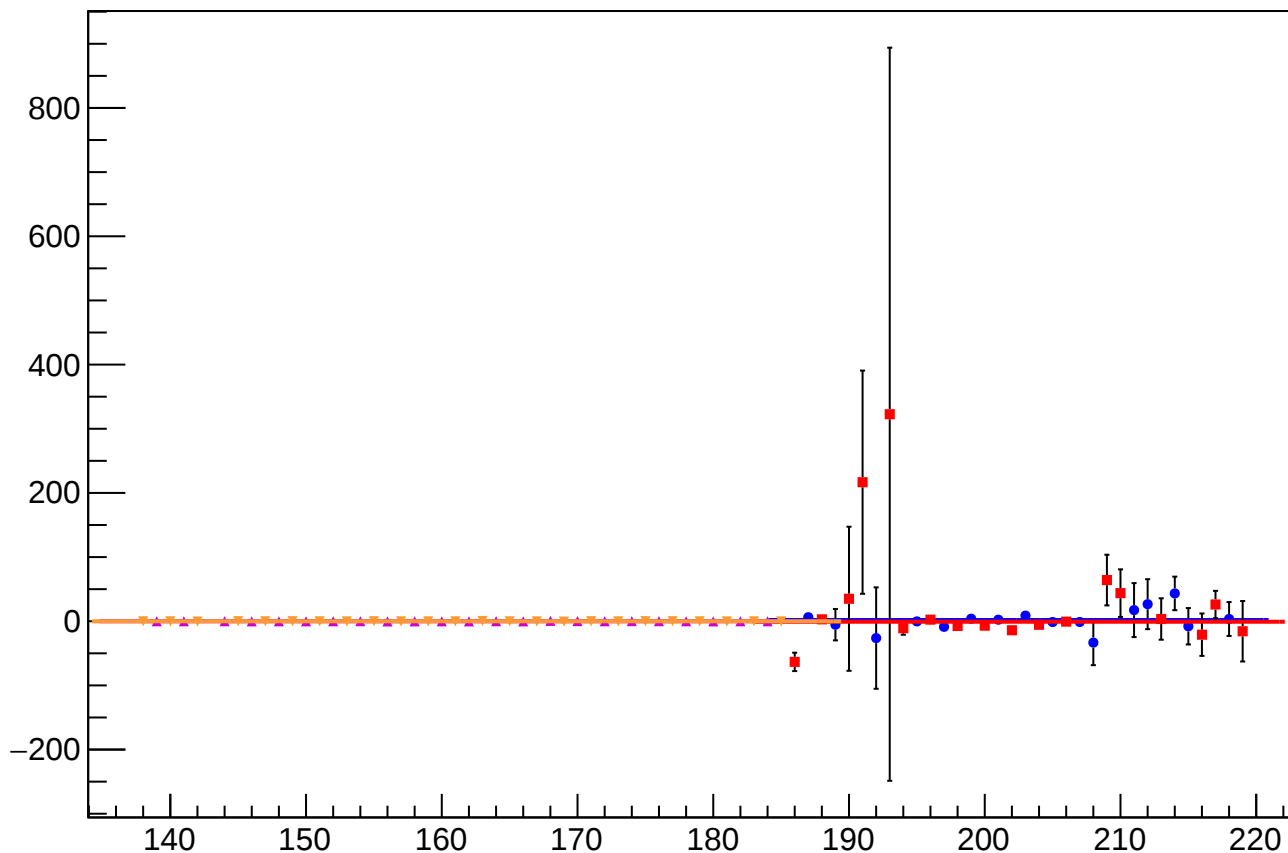
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.927 ± 0.014 χ^2/NDF : 111956.5/57

All: -39.698 ± 0.010 χ^2/NDF : 195664.3/116

- sign -39.468 ± 0.014 χ^2/NDF : 83176.7/58

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.875 ± 1.526 χ^2/NDF : 15.4/15

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.768 ± 1.414 χ^2/NDF : 38.8/17

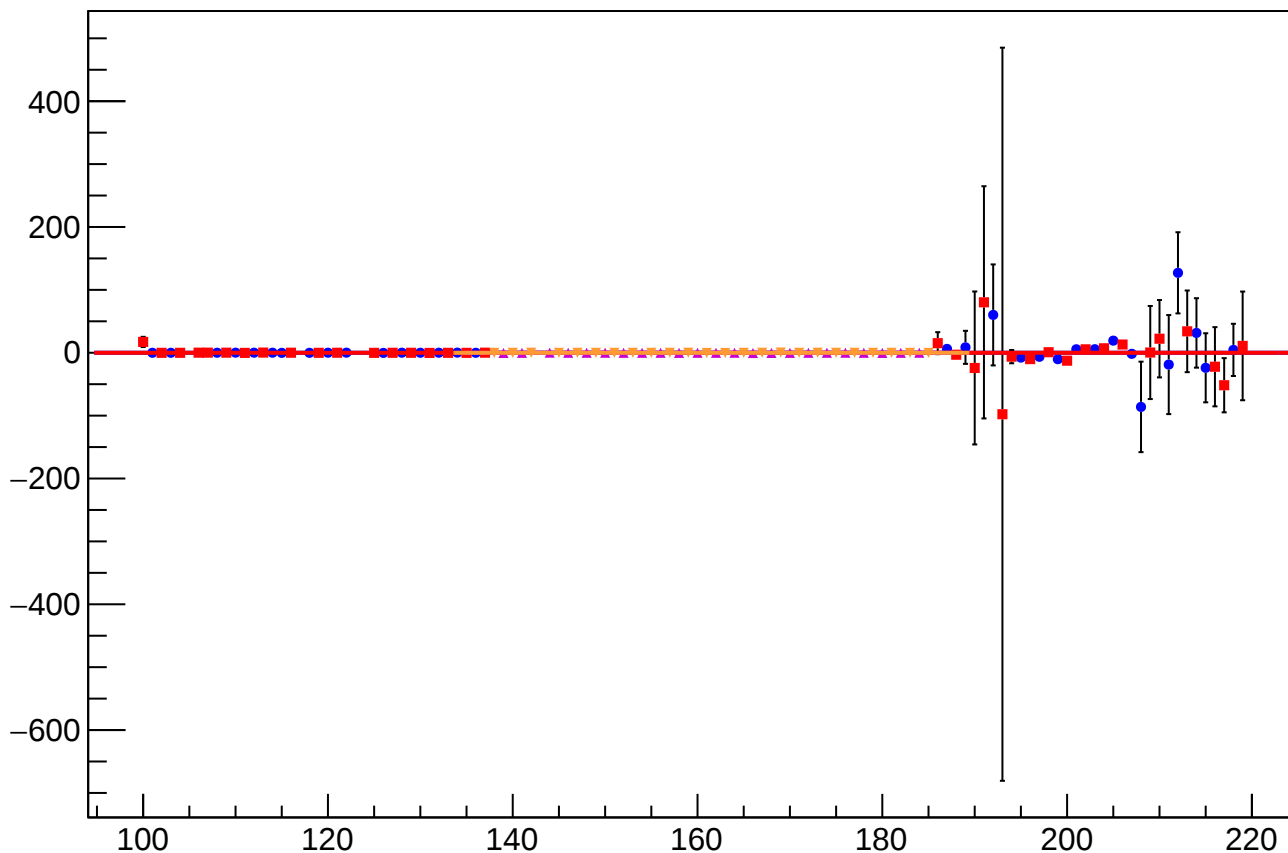
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 56.8/39

All: -0.057 ± 0.016 χ^2/NDF : 133.1/80

- sign -0.026 ± 0.022 χ^2/NDF : 72.3/40

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 37.8/31

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 43.1/35

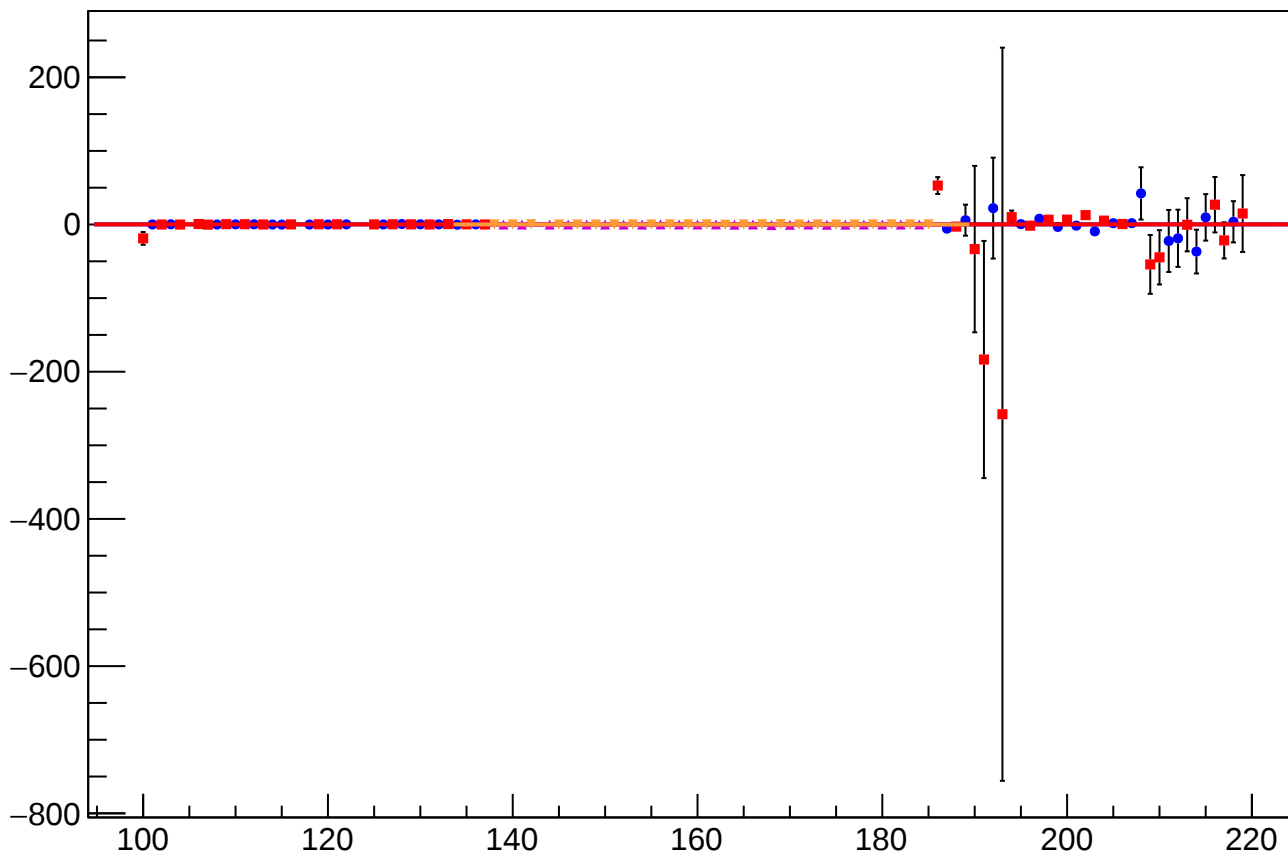
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 69.3/55

All: -0.056 ± 0.011 χ^2/NDF : 144.2/114

- sign -0.052 ± 0.015 χ^2/NDF : 74.8/58

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 30.7/31

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.236 ± 0.054 χ^2/NDF : 61.7/35

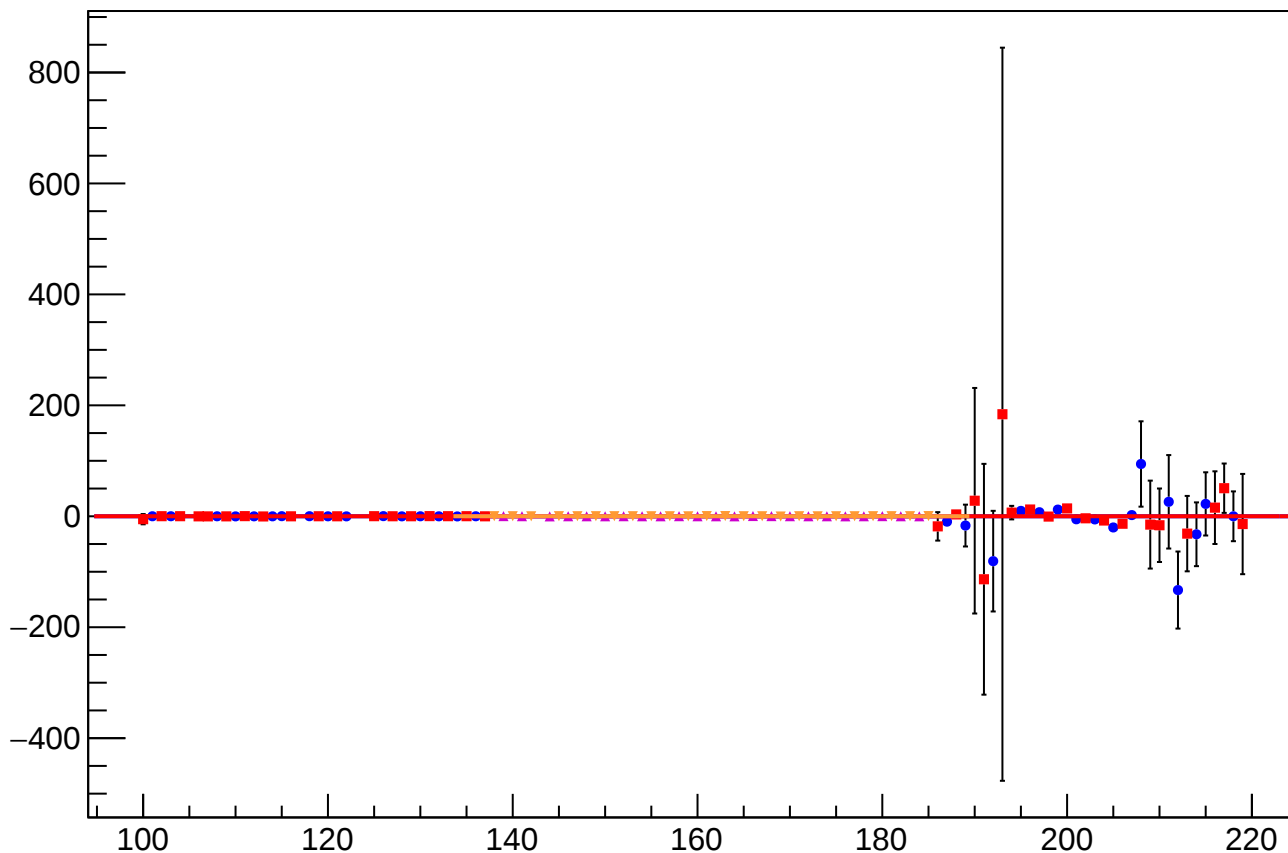
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 71.6/55

All: 0.073 ± 0.014 χ^2/NDF : 184.8/114

- sign 0.051 ± 0.021 χ^2/NDF : 110.9/58

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 39.2/31

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 36.3/35

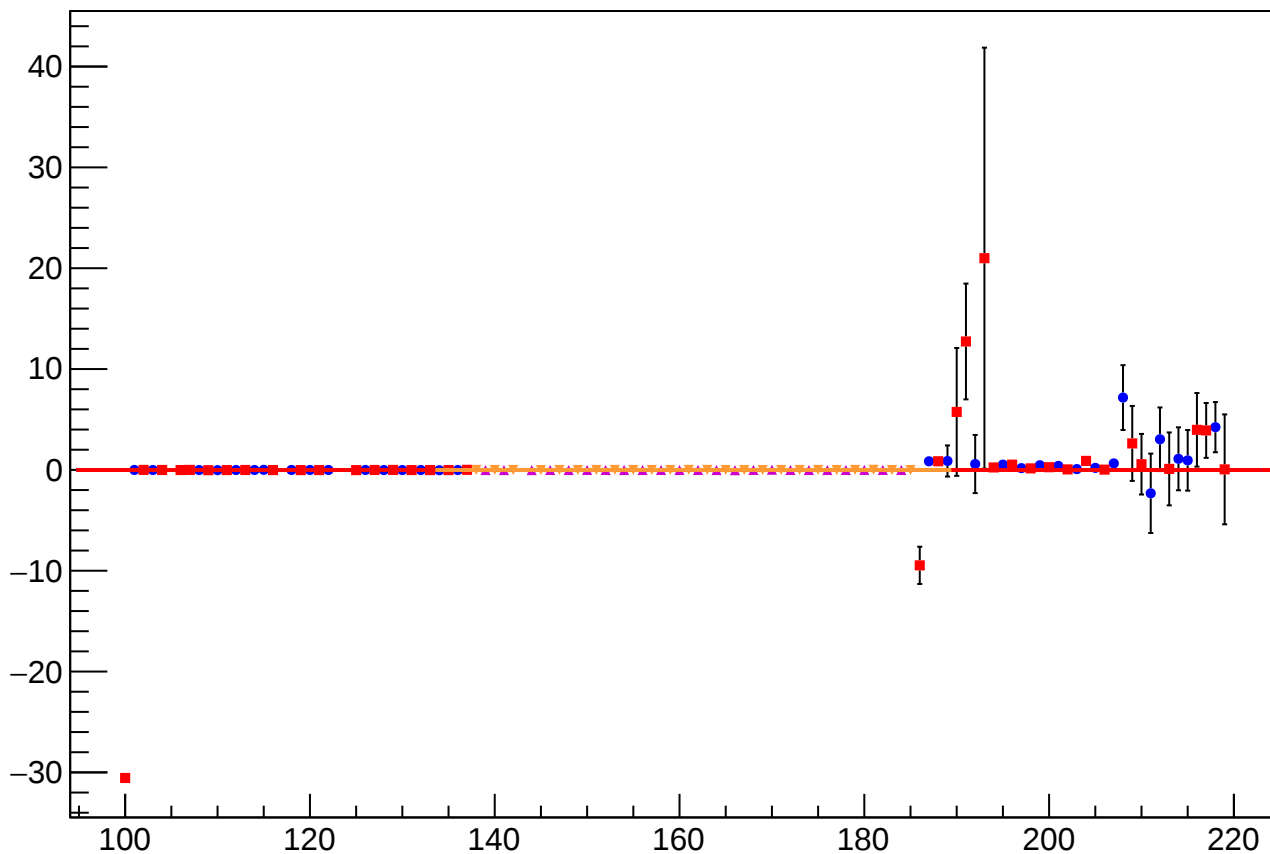
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 77.2/55

All: 0.071 ± 0.012 χ^2/NDF : 145.1/114

- sign 0.066 ± 0.017 χ^2/NDF : 67.7/58

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 51.0/31

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11958.1/35

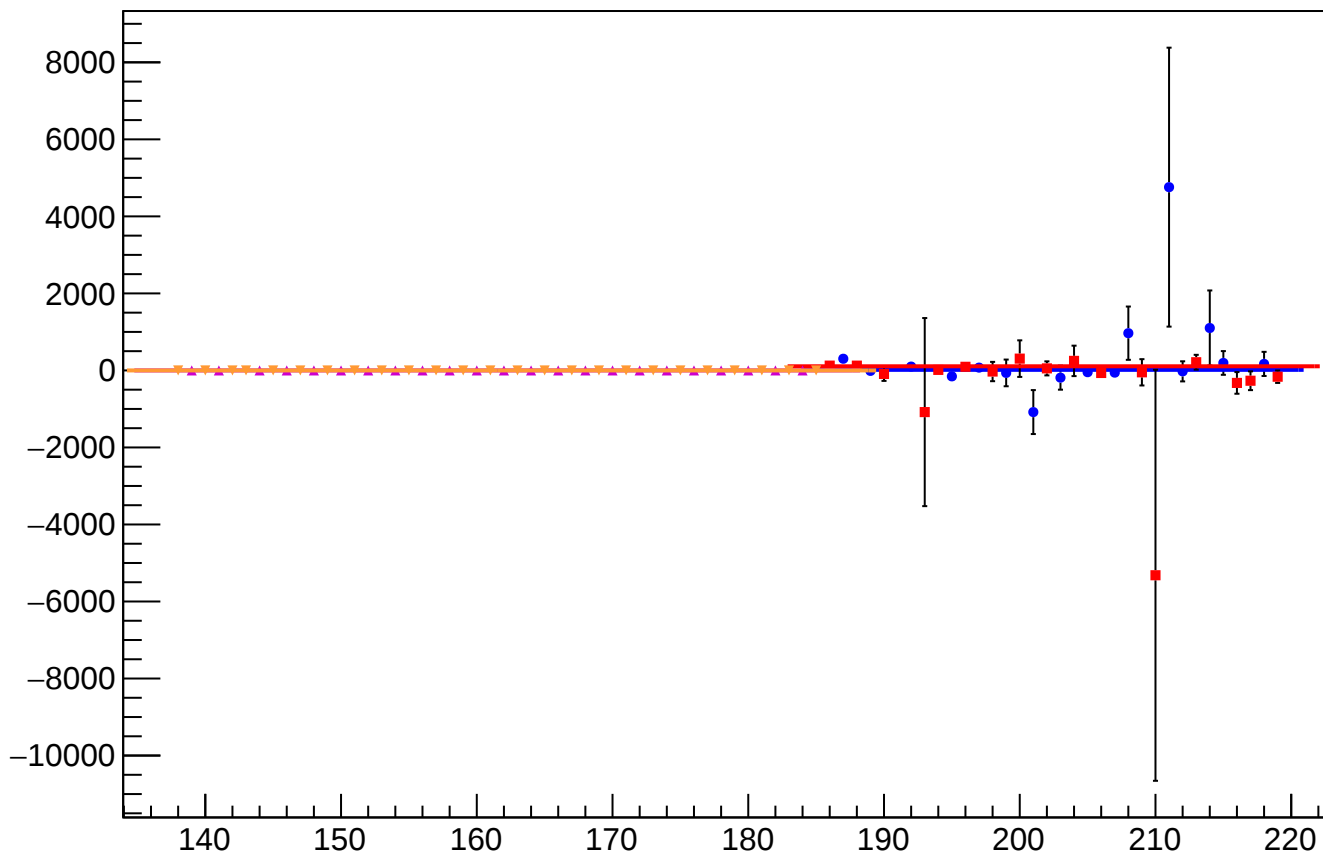
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 84.6/55

All: -0.009 ± 0.001 χ^2/NDF : 12086.3/114

- sign -0.009 ± 0.001 χ^2/NDF : 12001.4/58

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 14.875+/-25.721 χ^2/NDF : 25.8/15

Left Out: 0.017+/-0.027 χ^2/NDF : 30.9/24

Right Out: 107.475+/-15.970 χ^2/NDF : 16.5/16

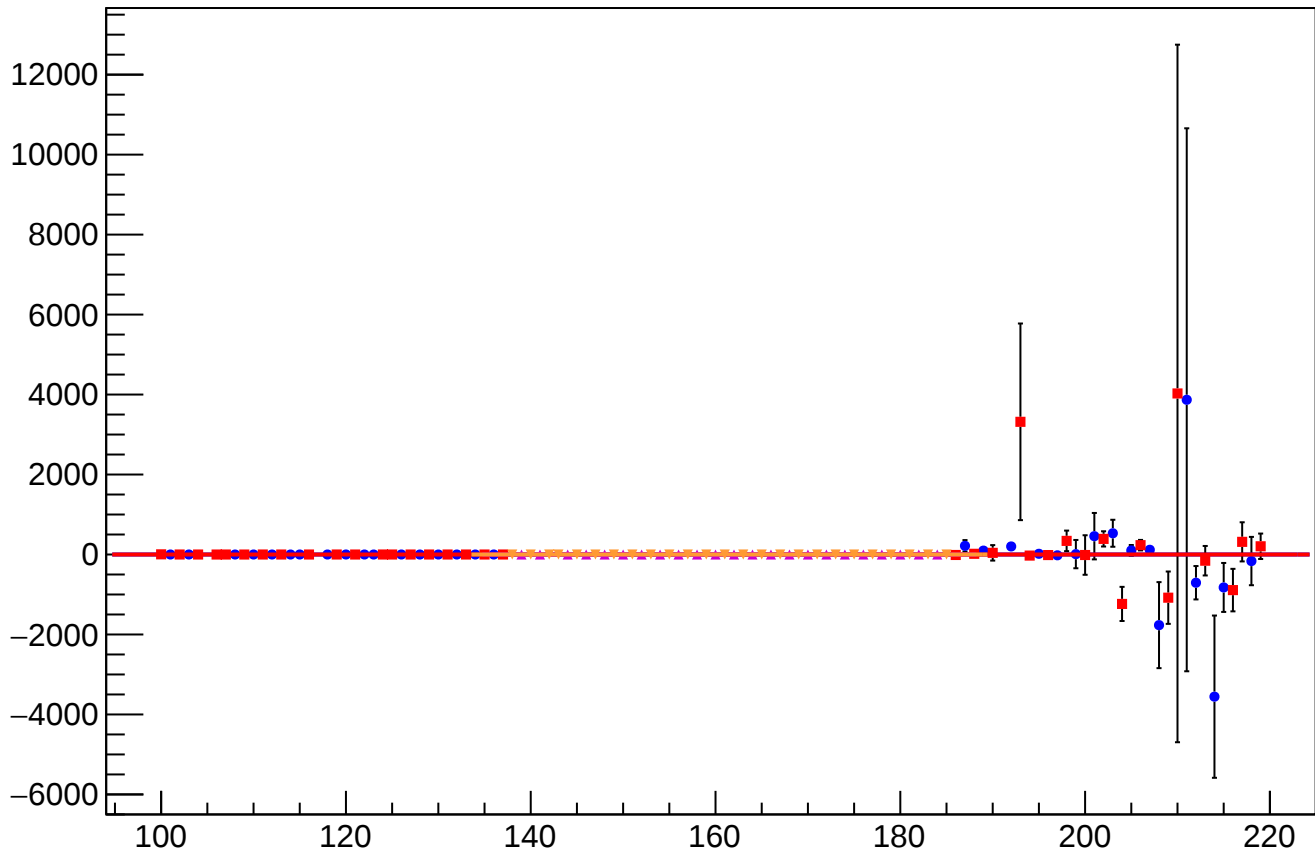
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 57.1/40

All: 0.010+/-0.019 χ^2/NDF : 148.0/80

- sign 0.003+/-0.028 χ^2/NDF : 90.8/39

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 49.9/32

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 45.0/35

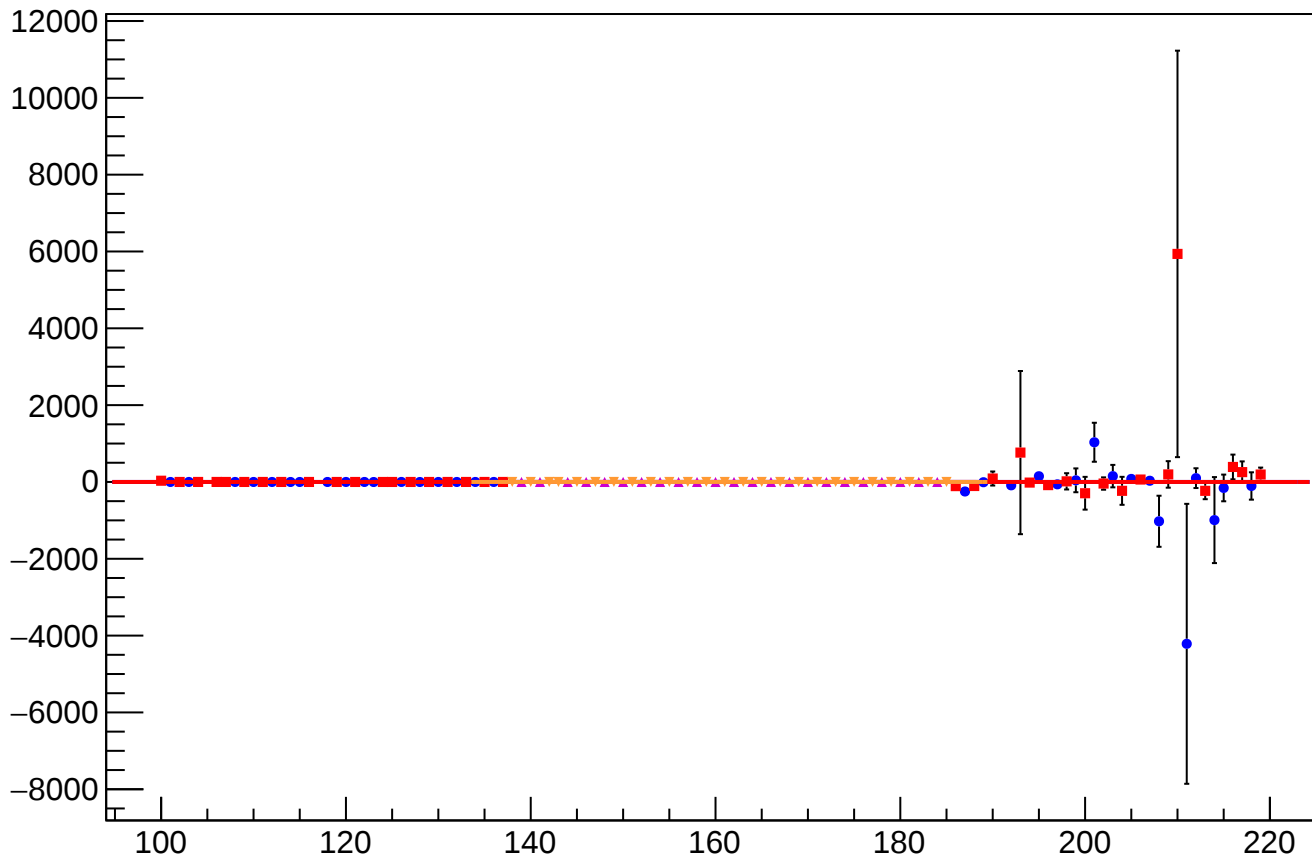
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 75.3/57

All: -0.066 ± 0.013 χ^2/NDF : 172.0/116

- sign -0.083 ± 0.019 χ^2/NDF : 95.2/58

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 51.1/32

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 85.3/35

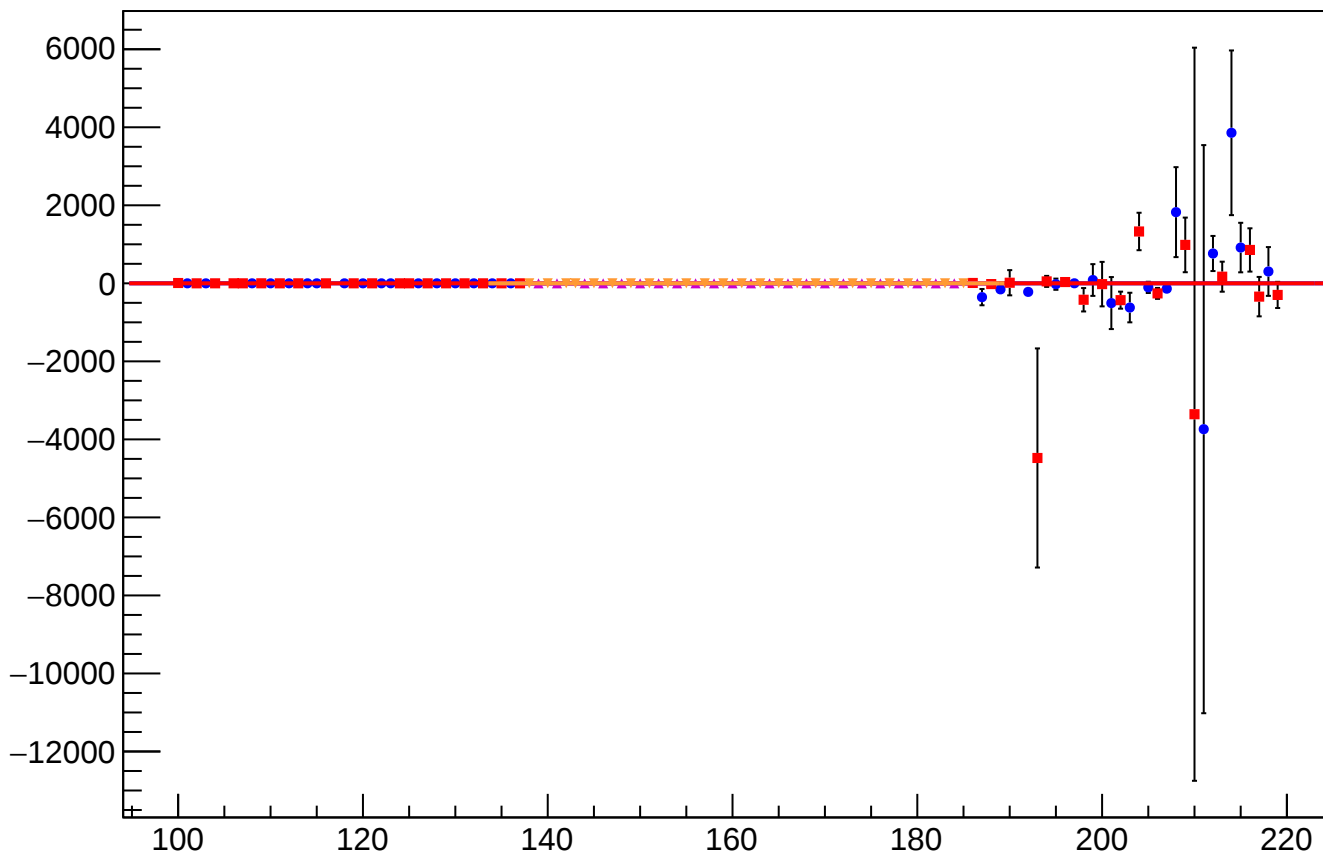
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 82.7/57

All: -0.042 ± 0.018 χ^2/NDF : 199.7/116

- sign -0.050 ± 0.026 χ^2/NDF : 116.9/58

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 49.4/32

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 42.6/35

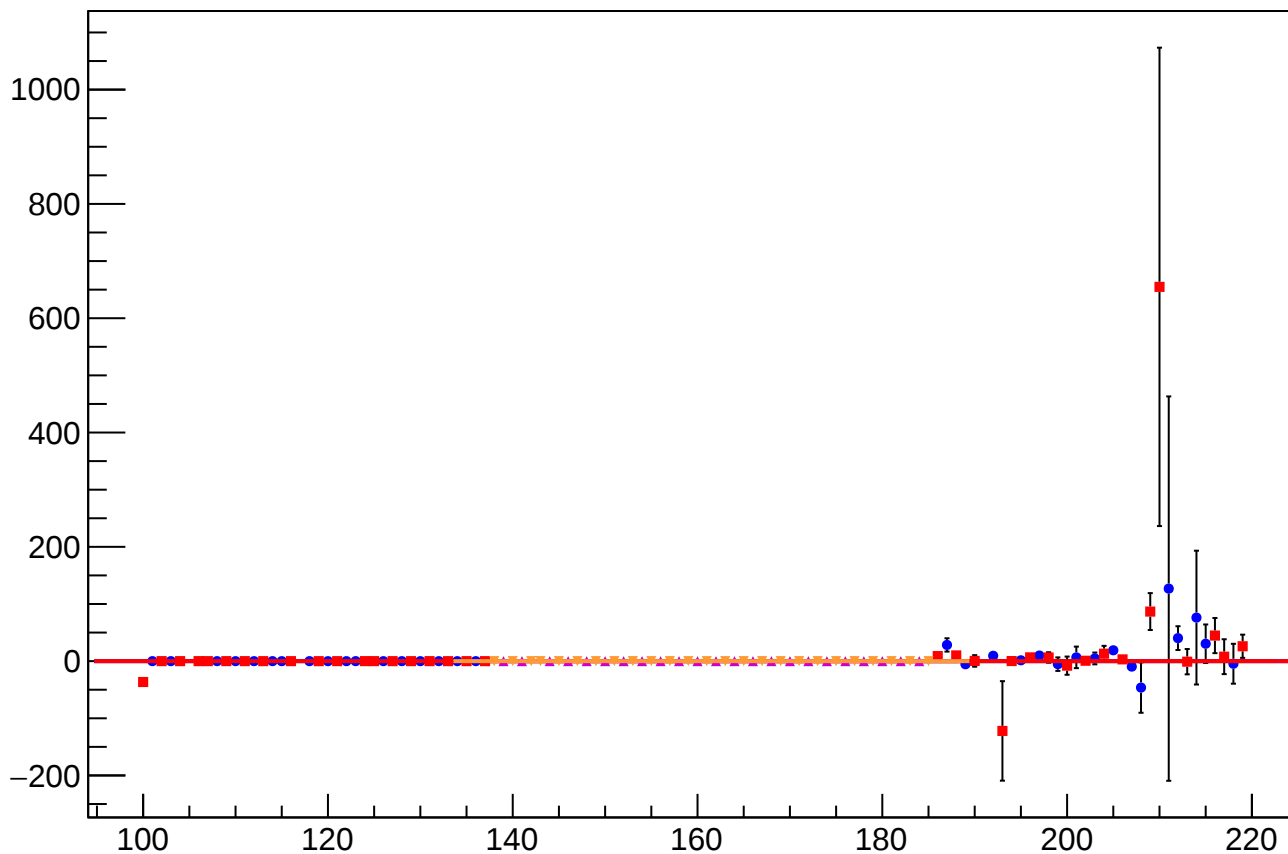
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 74.9/57

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 172.6/116

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 96.5/58

reg asym dsr diff bpm12X slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 69.2/32

Left Out: 0.008+/-0.001 χ^2/NDF :26.3/24

Right Out: 0.001+/-0.002 χ^2/NDF : 10487.8/35

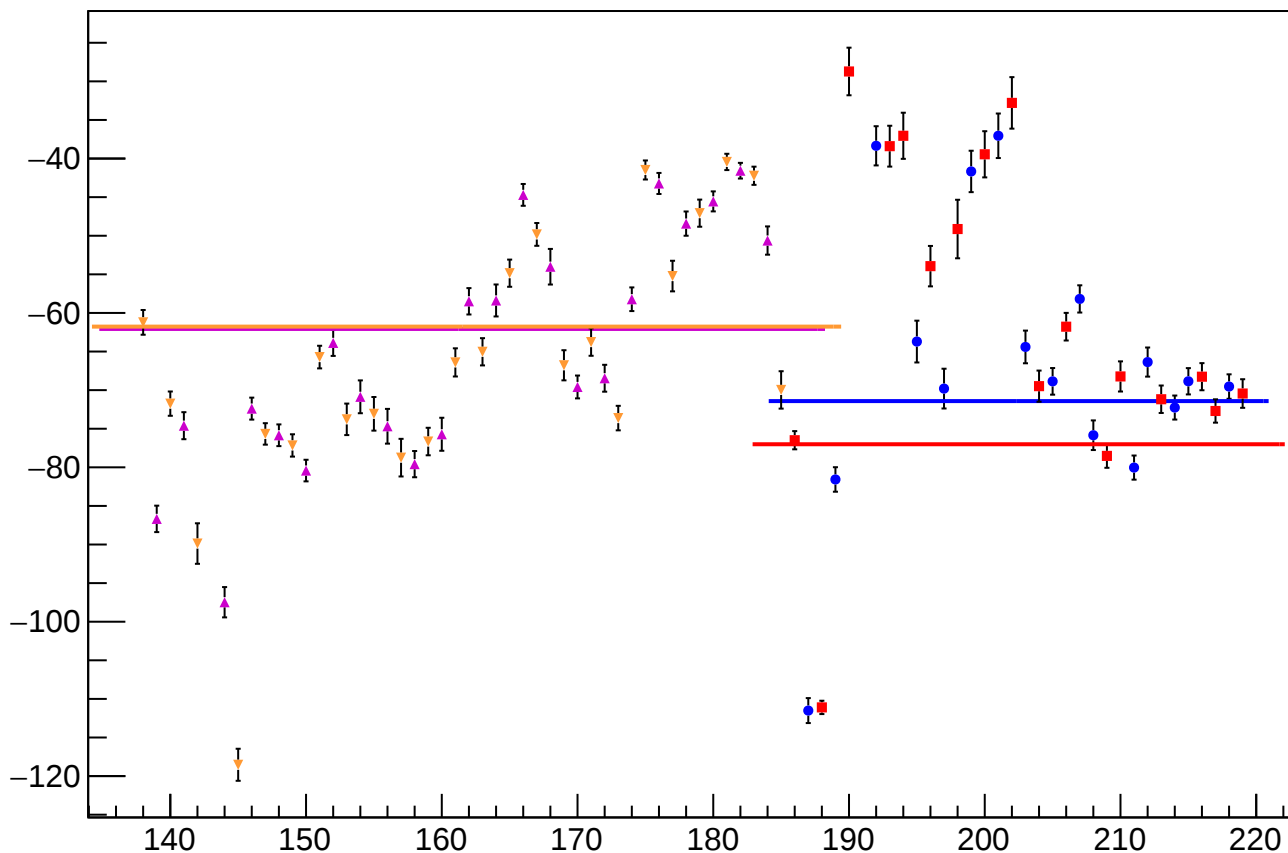
Left In: 0.009+/-0.001 χ^2/NDF :15.0/22

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 103.6/57

All: 0.007+/-0.001 χ^2/NDF : 10616.8/116

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10513.2/58

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.420 ± 0.472 $\chi^2/\text{NDF}: 1214.8/15$

Left Out: -61.771 ± 0.334 $\chi^2/\text{NDF}: 2504.9/23$

Right Out: -77.011 ± 0.429 $\chi^2/\text{NDF}: 2822.7/16$

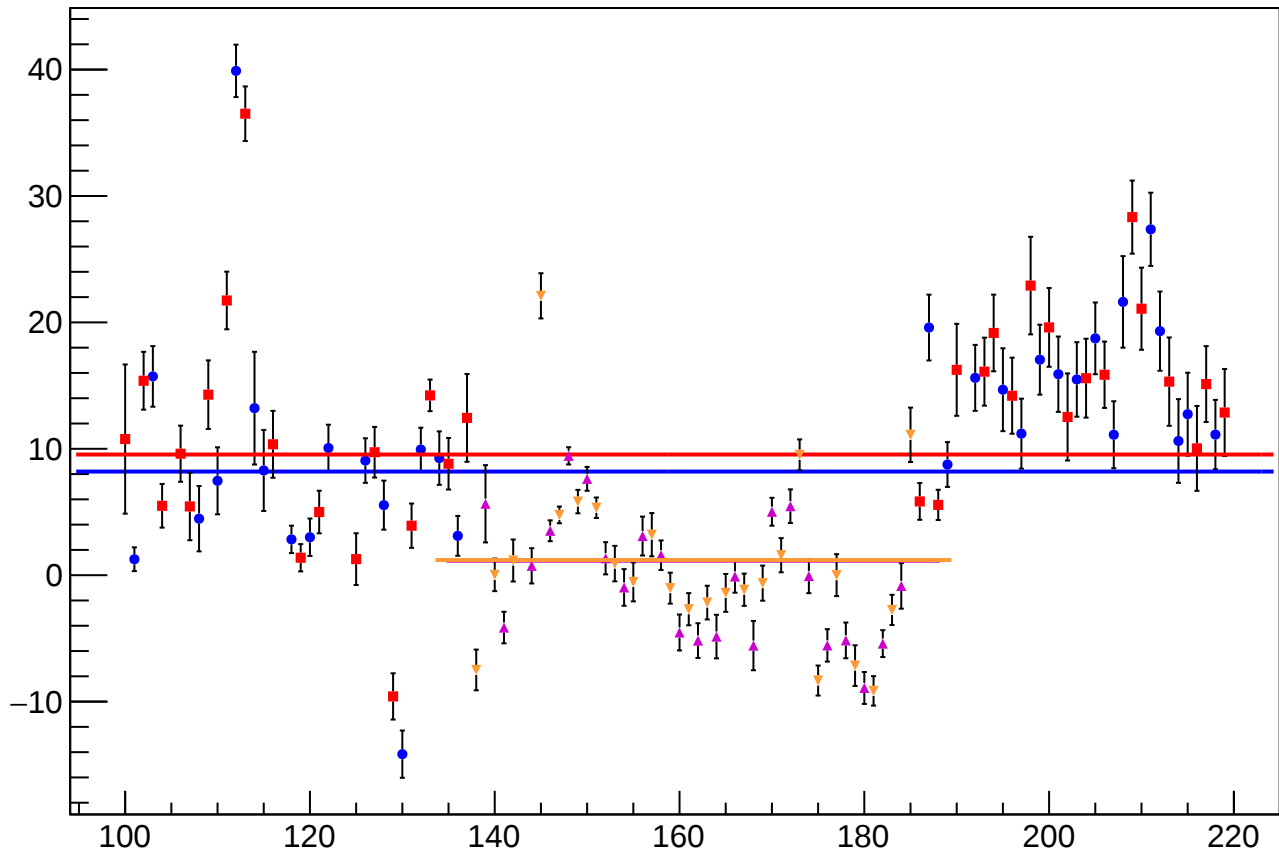
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -64.985 ± 0.273 $\chi^2/\text{NDF}: 3997.9/39$

All: -66.385 ± 0.189 $\chi^2/\text{NDF}: 9822.1/79$

- sign -67.683 ± 0.263 $\chi^2/\text{NDF}: 5773.4/39$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 8.199 ± 0.365 χ^2/NDF : 640.2/31

Left Out: 1.198 ± 0.253 χ^2/NDF : 526.3/23

Right Out: 9.547 ± 0.364 χ^2/NDF : 551.5/34

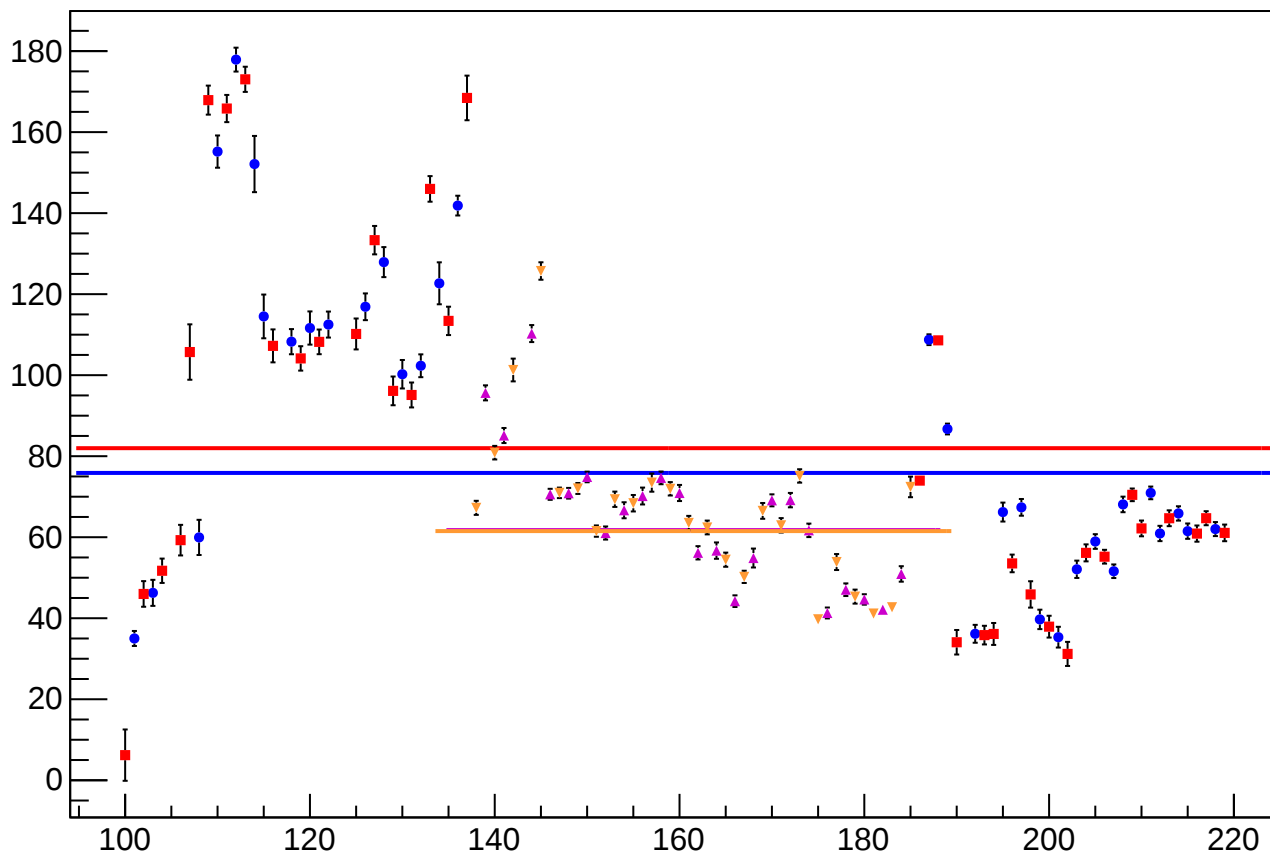
Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 3.462 ± 0.208 χ^2/NDF : 1415.0/55

All: 3.689 ± 0.147 χ^2/NDF : 2789.2/113

- sign 3.919 ± 0.209 χ^2/NDF : 1371.8/57

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 75.870 $\pm$ 0.397 χ^2 /NDF: 6144.2/31

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF: 2606.0/23

Right Out: 81.980 $\pm$ 0.355 χ^2 /NDF: 7971.3/34

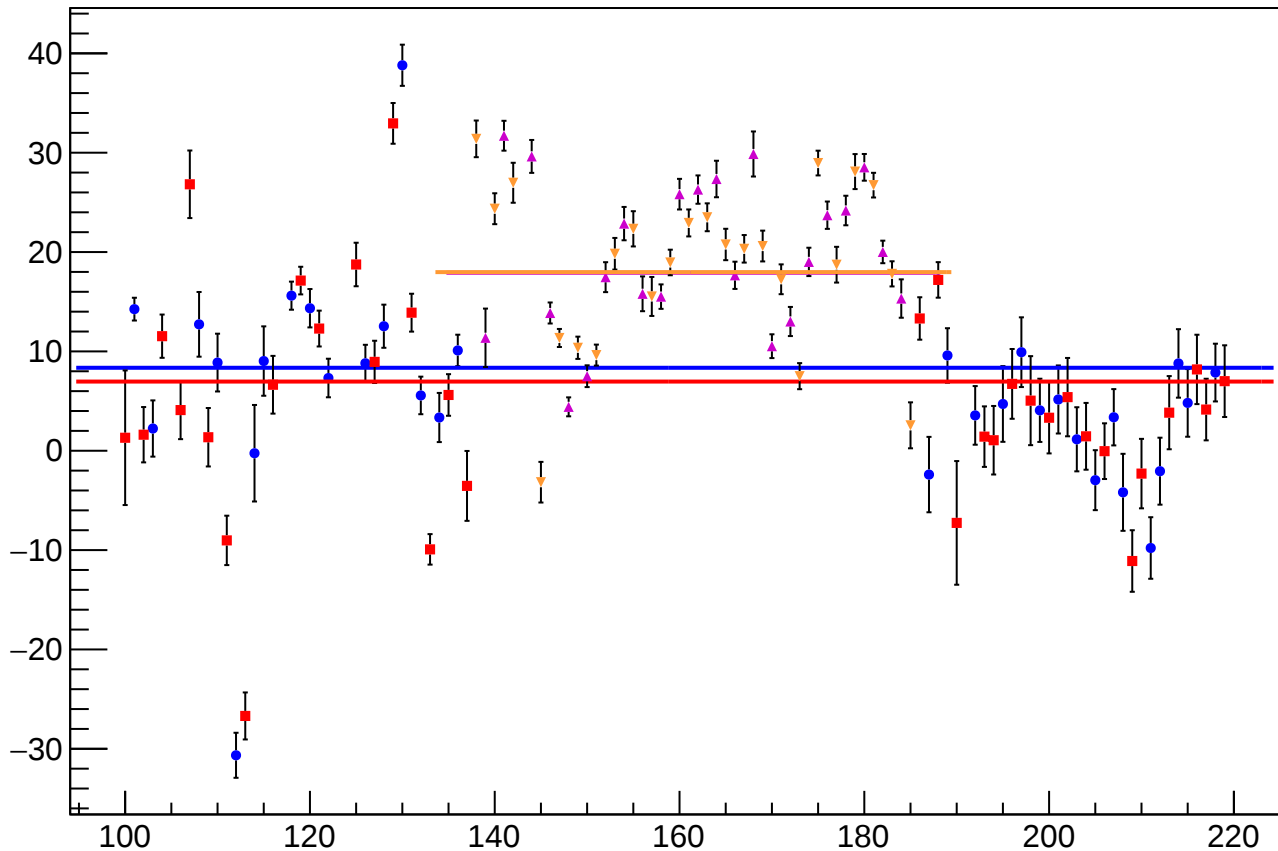
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 67.436 $\pm$ 0.255 χ^2 /NDF: 9520.3/55

All: 69.386 $\pm$ 0.175 χ^2 /NDF: 21762.7/113

- sign 71.141 $\pm$ 0.242 χ^2 /NDF: 12131.1/57

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.352 ± 0.424 χ^2/NDF : 687.9/31

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 6.964 ± 0.430 χ^2/NDF : 793.5/34

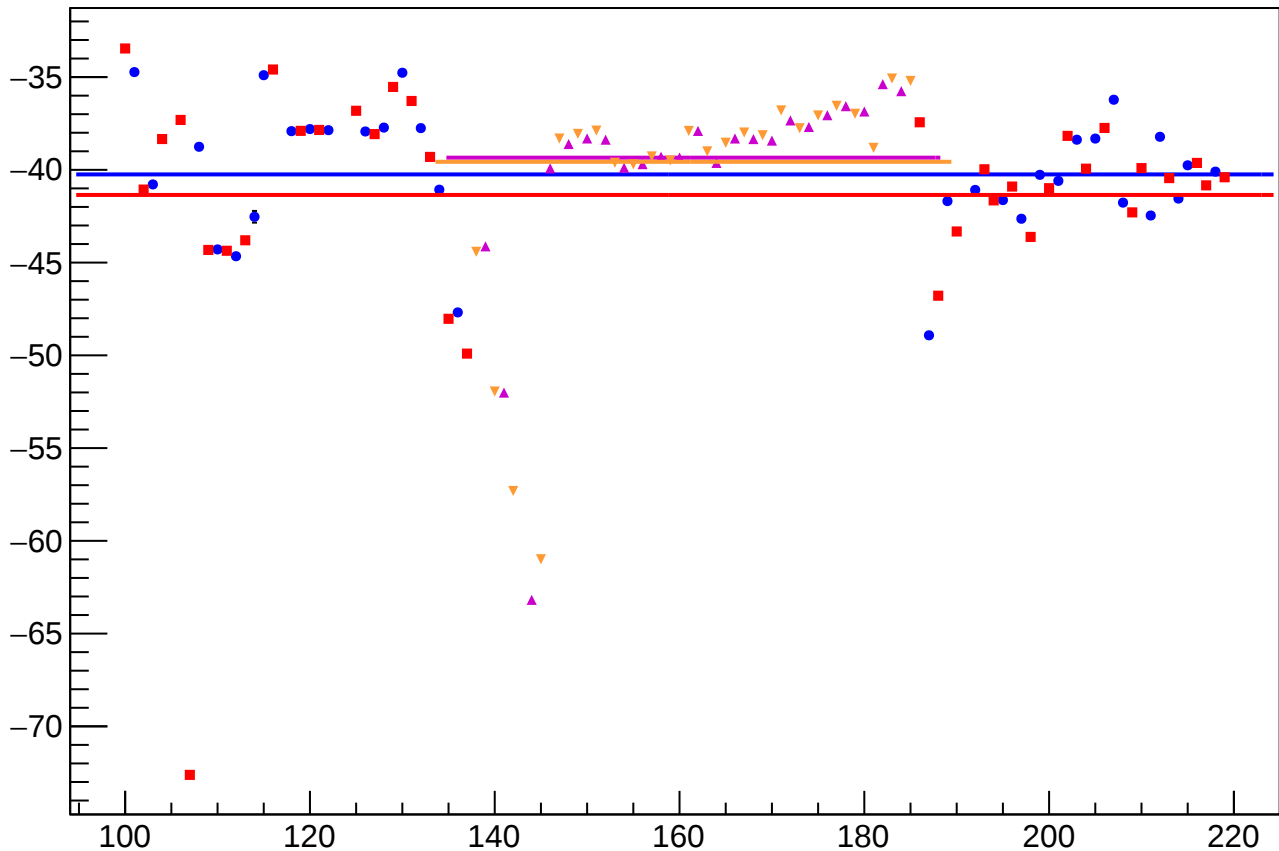
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 14.901 ± 0.240 χ^2/NDF : 1712.7/55

All: 14.681 ± 0.170 χ^2/NDF : 3677.6/113

- sign 14.457 ± 0.242 χ^2/NDF : 1963.2/57

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.247 ± 0.021 $\chi^2/\text{NDF}: 29899.1/31$

Left Out: -39.566 ± 0.014 $\chi^2/\text{NDF}: 141198.7/23$

Right Out: -41.353 ± 0.021 $\chi^2/\text{NDF}: 68814.7/34$

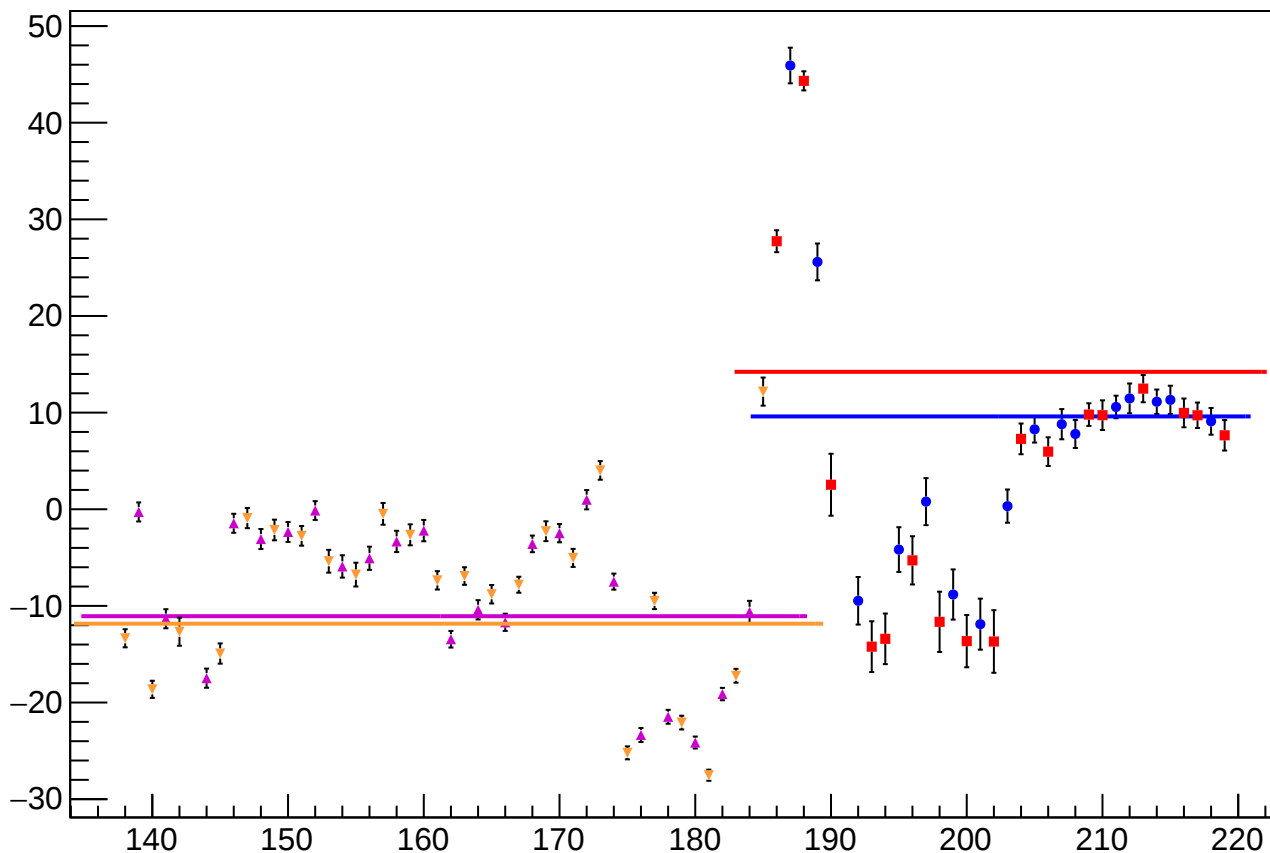
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.769 ± 0.012 $\chi^2/\text{NDF}: 171829.1/55$

All: -39.853 ± 0.008 $\chi^2/\text{NDF}: 363802.5/113$

- sign -39.936 ± 0.011 $\chi^2/\text{NDF}: 191867.0/57$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 9.605 ± 0.411 χ^2/NDF : 720.1/15

Left Out: -11.842 ± 0.187 χ^2/NDF : 2739.8/23

Right Out: 14.221 ± 0.389 χ^2/NDF : 1730.4/16

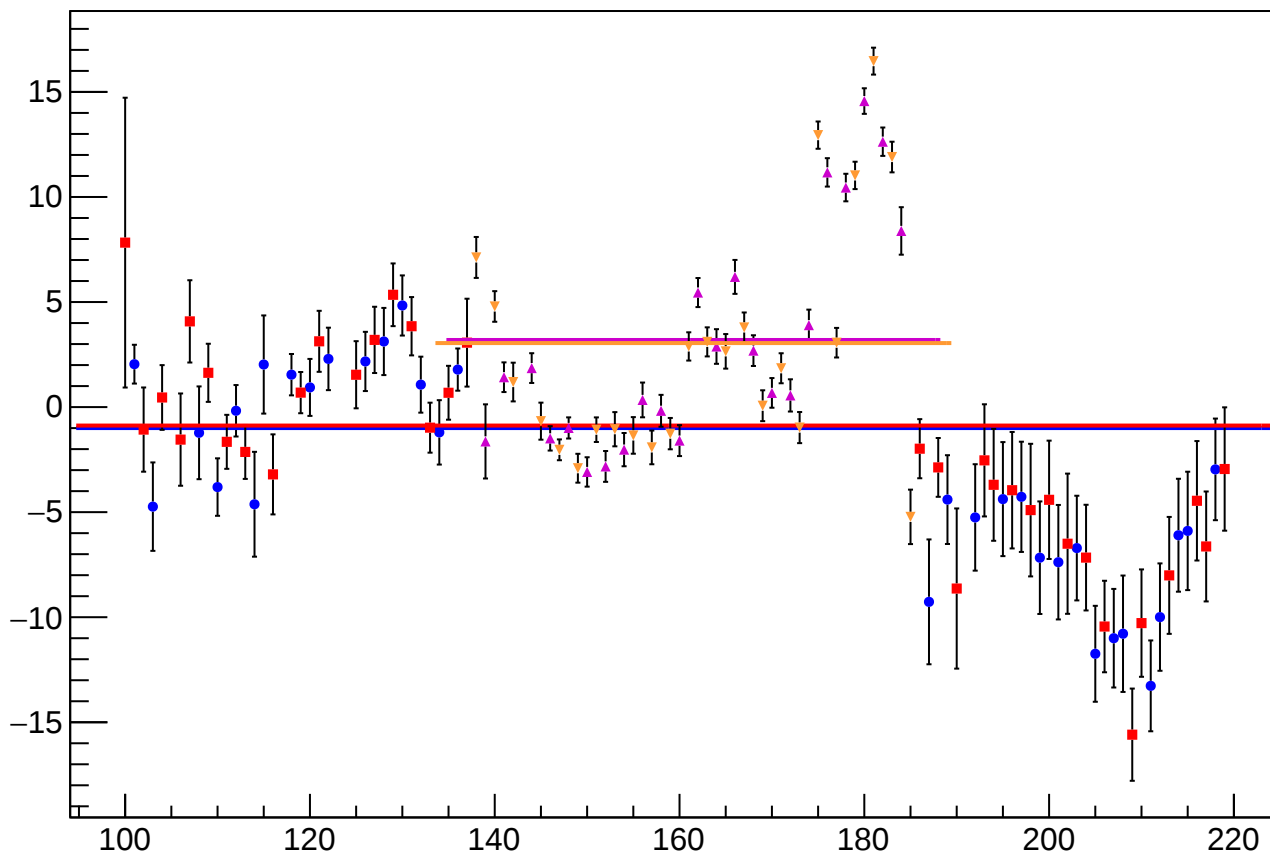
Left In: -11.067 ± 0.188 χ^2/NDF : 2104.8/22

+ sign -8.175 ± 0.170 χ^2/NDF : 5713.6/39

All: -7.219 ± 0.120 χ^2/NDF : 13042.3/79

- sign -6.273 ± 0.169 χ^2/NDF : 7265.9/39

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.998 ± 0.301 χ^2/NDF : 211.6/31

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: -0.879 ± 0.301 χ^2/NDF : 181.2/34

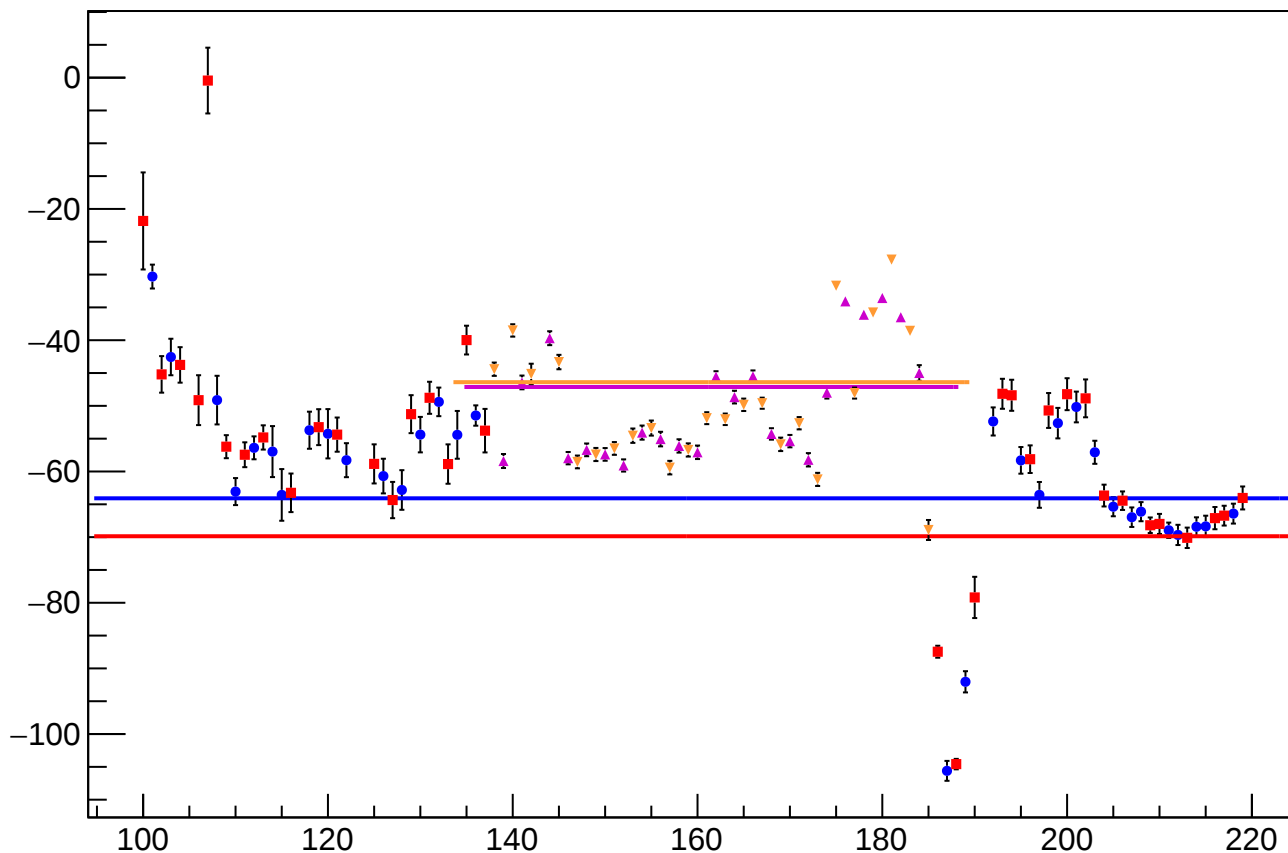
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.259 ± 0.133 χ^2/NDF : 1814.5/55

All: 2.321 ± 0.094 χ^2/NDF : 3437.9/113

- sign 2.384 ± 0.134 χ^2/NDF : 1623.0/57

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -64.086 ± 0.339 χ^2/NDF : 1821.4/31

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -69.865 ± 0.315 χ^2/NDF : 3752.6/34

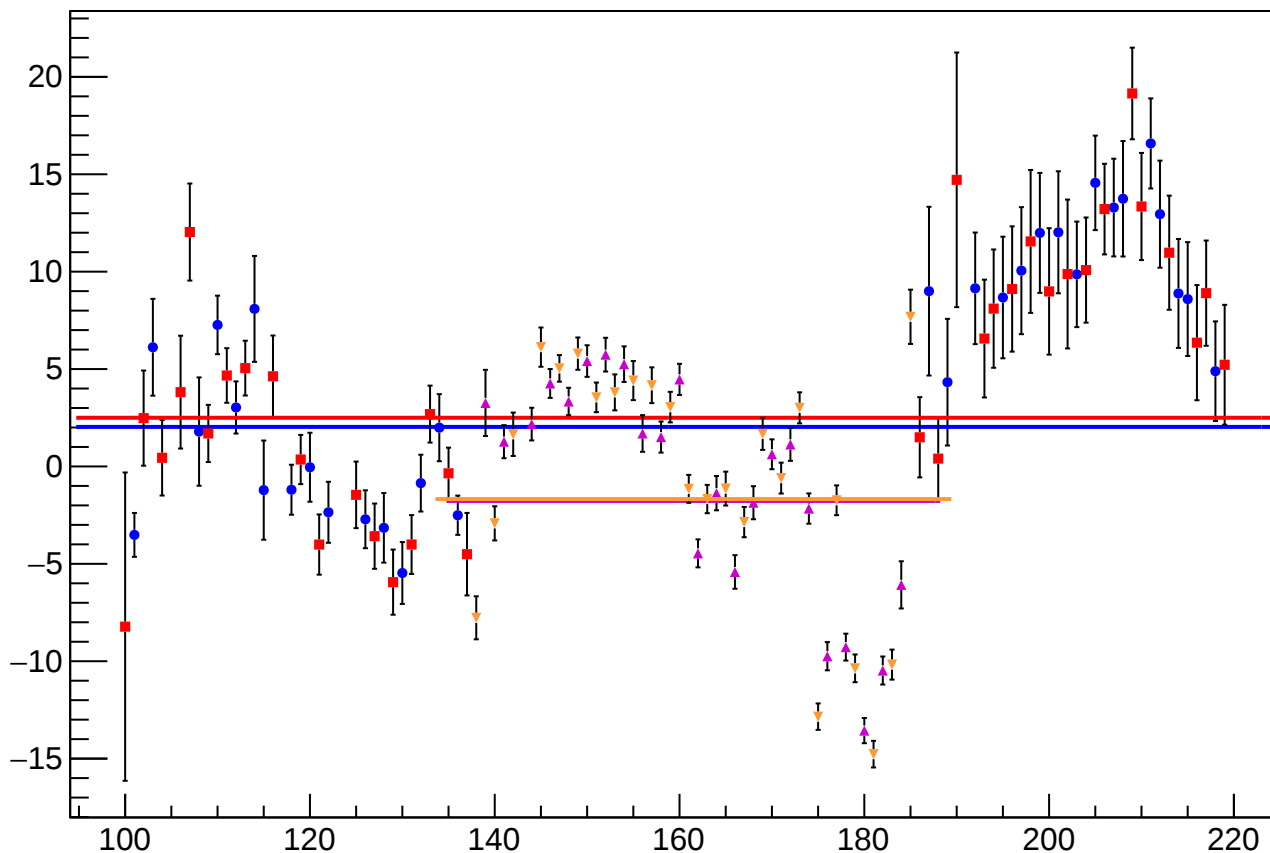
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -50.510 ± 0.163 χ^2/NDF : 7201.5/55

All: -51.802 ± 0.115 χ^2/NDF : 17440.0/113

- sign -53.056 ± 0.161 χ^2/NDF : 10115.4/57

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.030 ± 0.340 χ^2/NDF : 305.9/31

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 2.499 ± 0.345 χ^2/NDF : 262.9/34

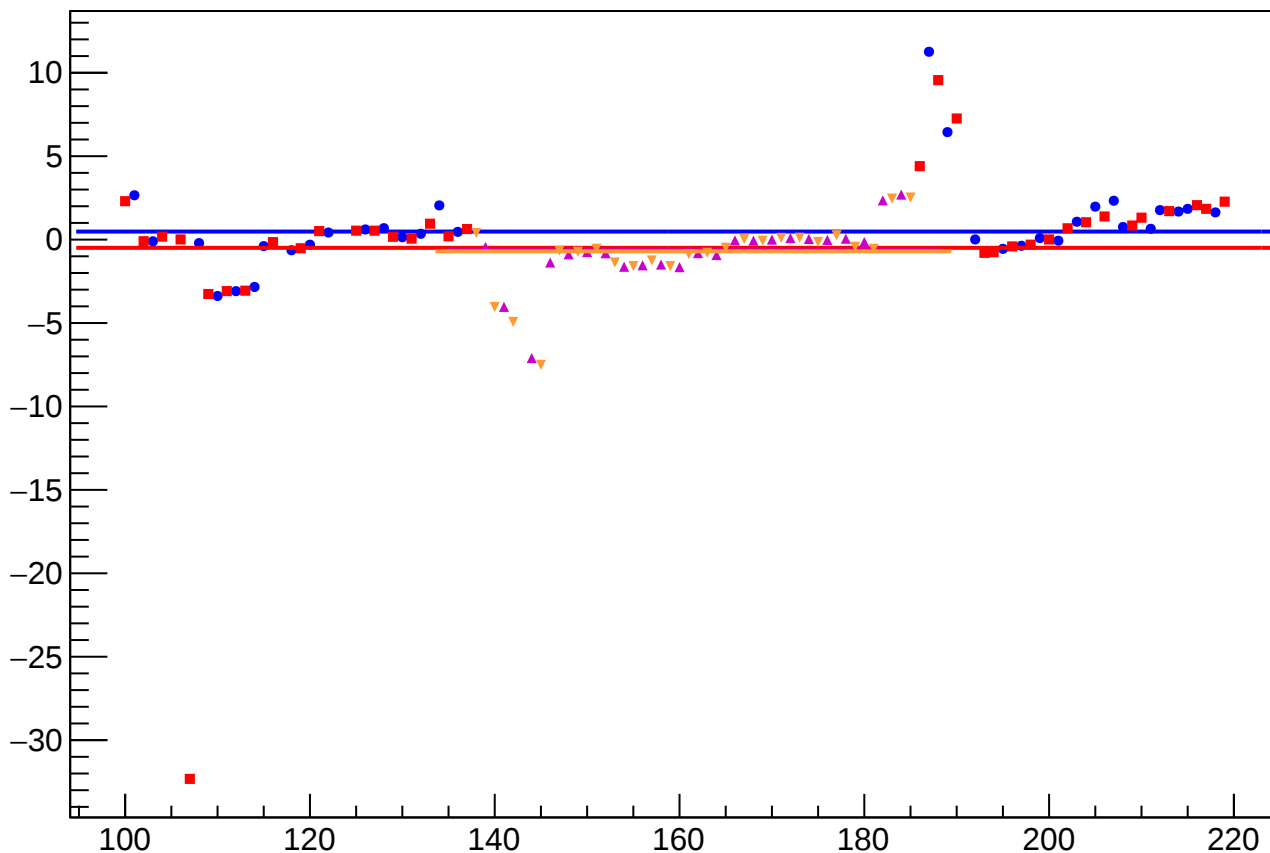
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -0.956 ± 0.150 χ^2/NDF : 1885.1/55

All: -0.951 ± 0.107 χ^2/NDF : 3522.8/113

- sign -0.946 ± 0.152 χ^2/NDF : 1637.7/57

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.483 ± 0.017 χ^2/NDF : 10291.8/31

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.492 ± 0.017 χ^2/NDF : 94725.6/34

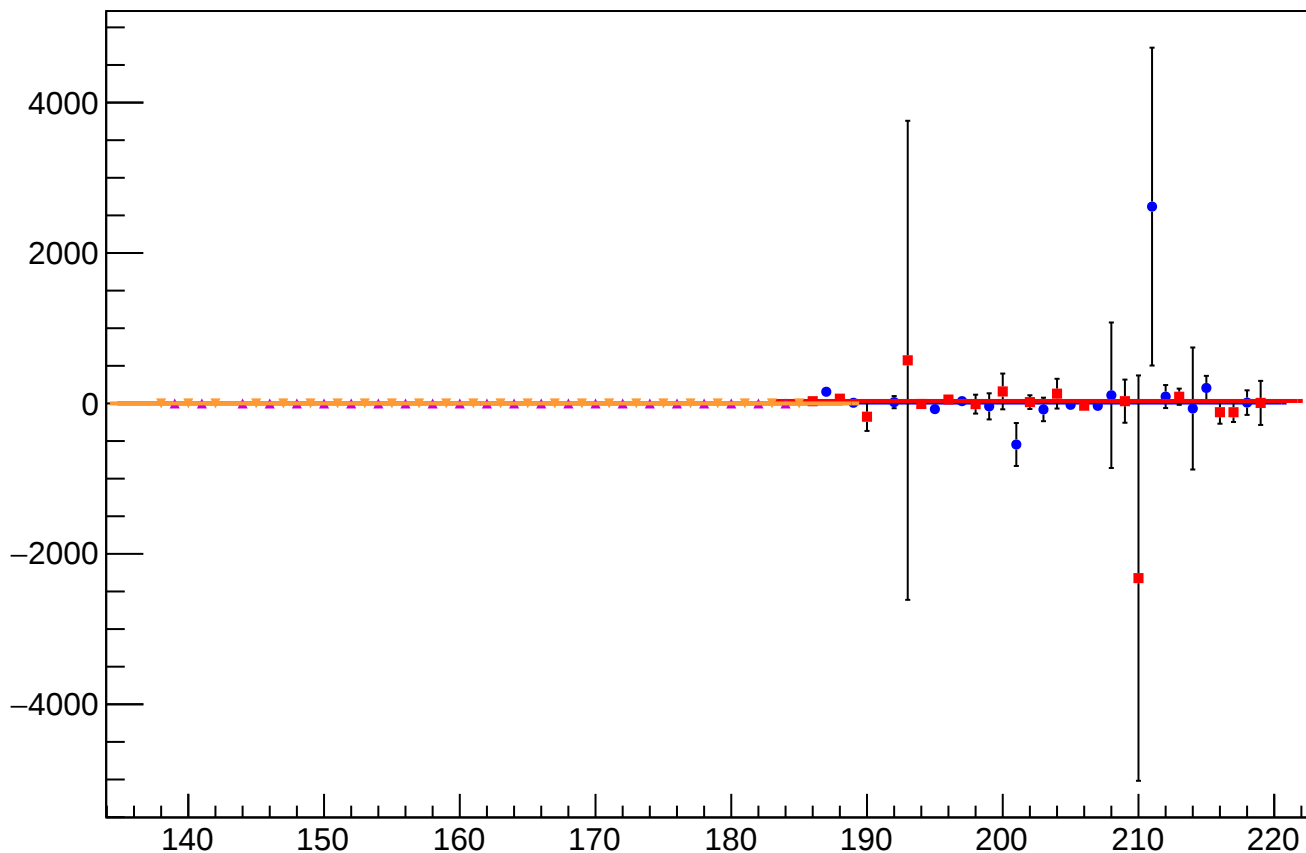
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.505 ± 0.007 χ^2/NDF : 68118.0/55

All: -0.562 ± 0.005 χ^2/NDF : 207210.4/113

- sign -0.619 ± 0.007 χ^2/NDF : 138959.5/57

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 11.654 ± 15.007 χ^2/NDF : 22.7/15

Left Out: -0.037 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 32.944 ± 9.582 χ^2/NDF : 9.9/16

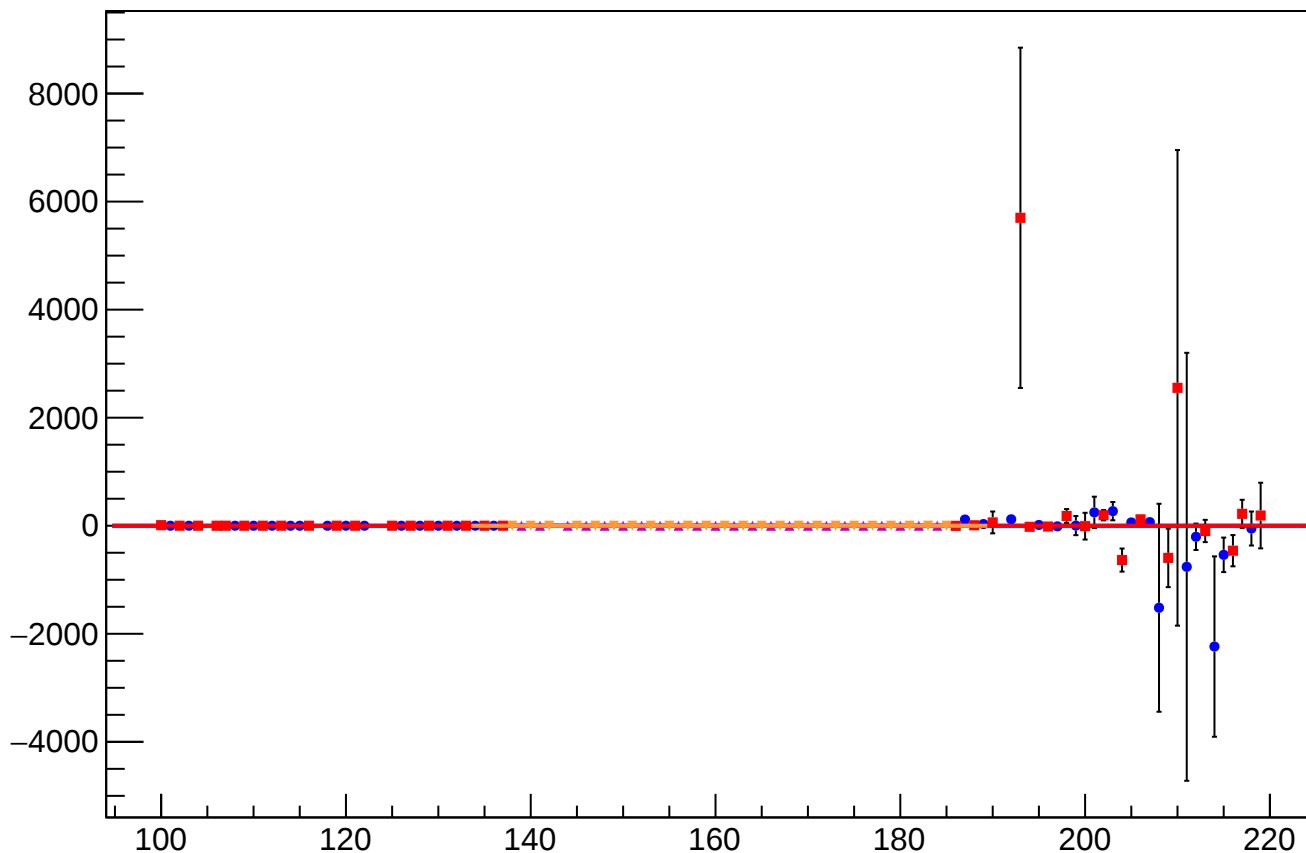
Left In: -0.010 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.037 ± 0.018 χ^2/NDF : 58.7/39

All: -0.024 ± 0.013 χ^2/NDF : 116.7/79

- sign -0.010 ± 0.018 χ^2/NDF : 56.9/39

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 29.5/31

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 39.9/34

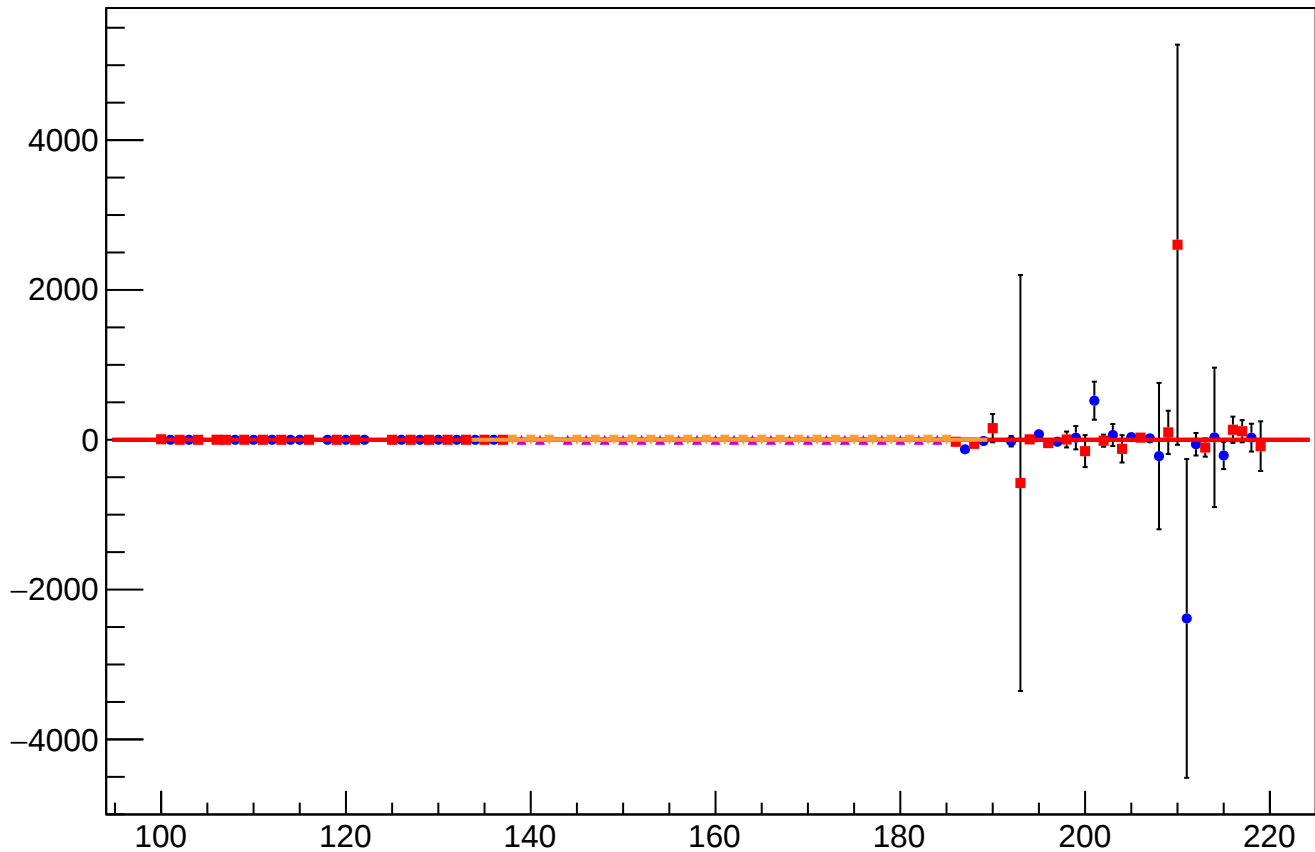
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 62.0/55

All: -0.063 ± 0.009 χ^2/NDF : 144.3/113

- sign -0.070 ± 0.012 χ^2/NDF : 81.7/57

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 ± 0.043 χ^2/NDF : 33.0/31

Left Out: 0.035 ± 0.018 χ^2/NDF : 32.2/23

Right Out: 0.031 ± 0.045 χ^2/NDF : 33.7/34

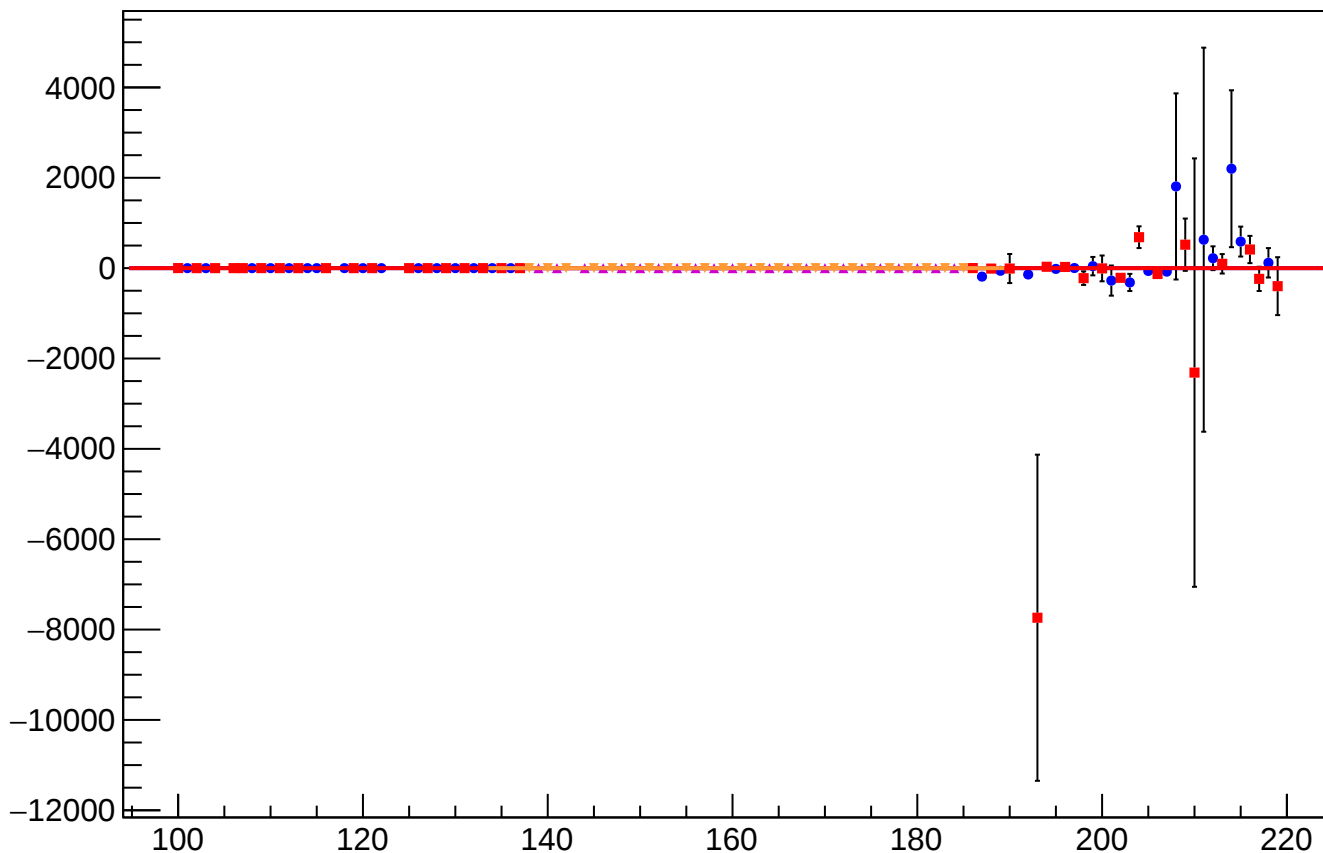
Left In: -0.009 ± 0.018 χ^2/NDF : 36.8/22

+ sign 0.032 ± 0.017 χ^2/NDF : 65.3/55

All: 0.015 ± 0.012 χ^2/NDF : 138.8/113

- sign -0.003 ± 0.017 χ^2/NDF : 71.2/57

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 χ^2/NDF : 31.1/31

Left Out: 0.086 ± 0.016 χ^2/NDF : 27.7/23

Right Out: 0.105 ± 0.029 χ^2/NDF : 35.0/34

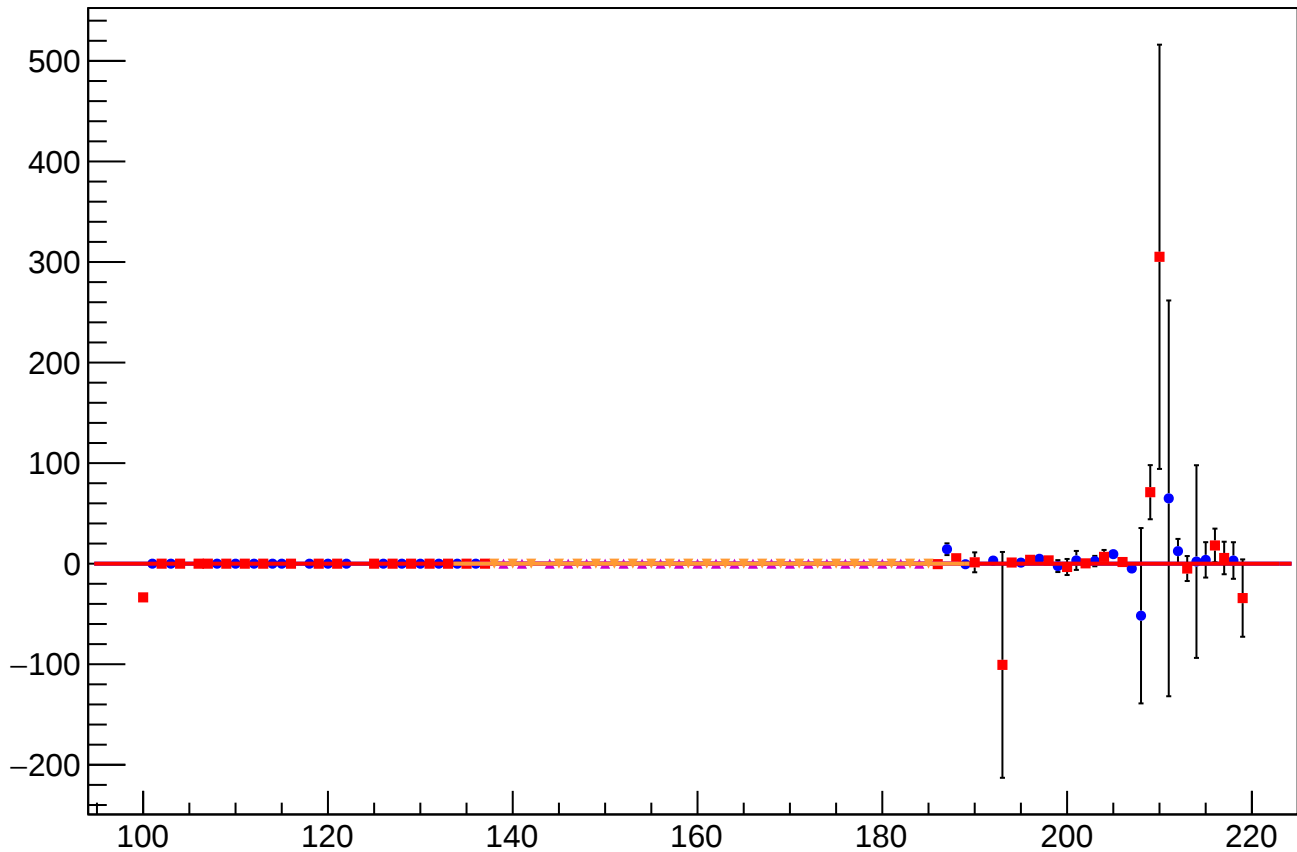
Left In: 0.070 ± 0.016 χ^2/NDF : 44.8/22

+ sign 0.066 ± 0.014 χ^2/NDF : 64.9/55

All: 0.072 ± 0.010 χ^2/NDF : 146.3/113

- sign 0.078 ± 0.014 χ^2/NDF : 81.0/57

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 47.8/31

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26532.9/34

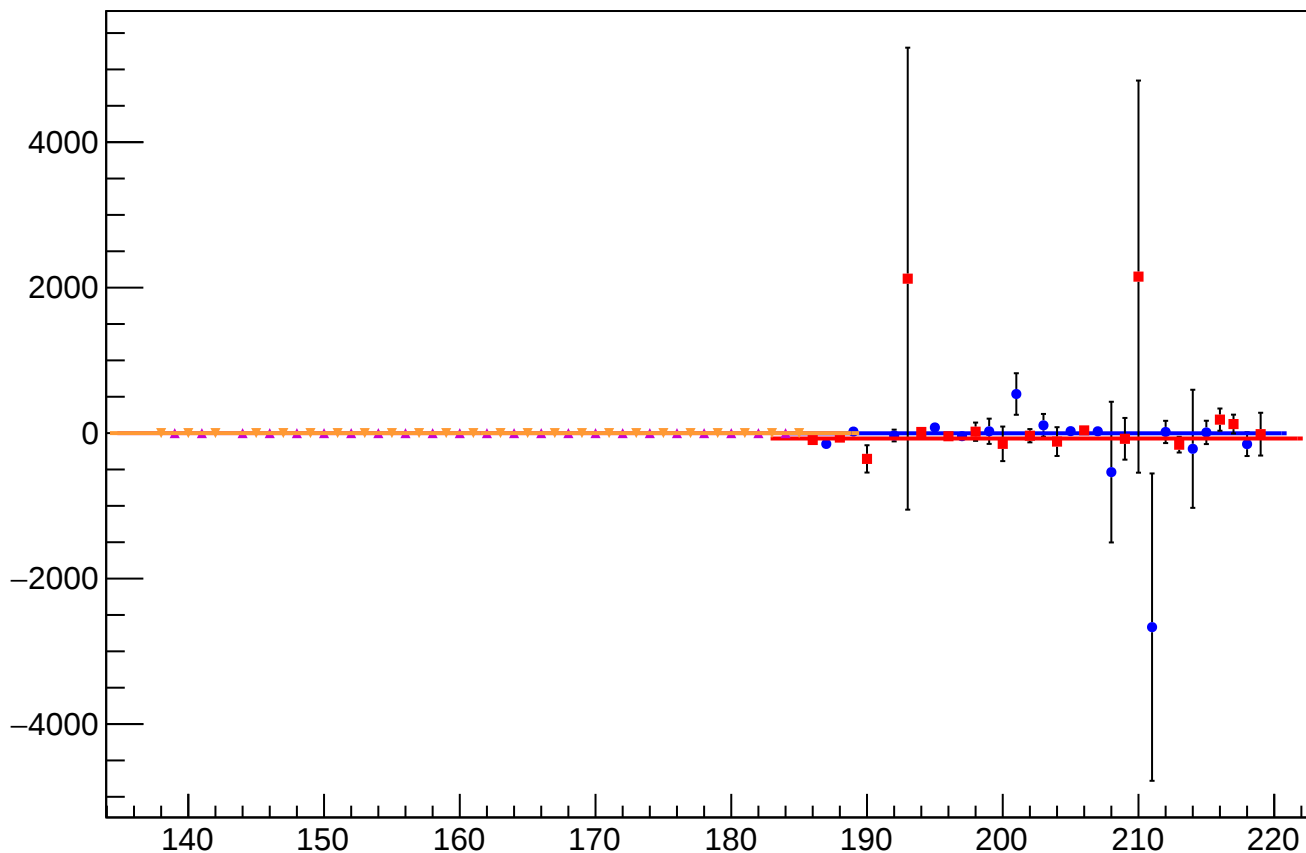
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.3/55

All: -0.001 ± 0.000 χ^2/NDF : 26653.5/113

- sign -0.001 ± 0.001 χ^2/NDF : 26569.1/57

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -2.432 ± 15.002 χ^2/NDF : 22.7/15

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -74.001 ± 9.584 χ^2/NDF : 21.9/16

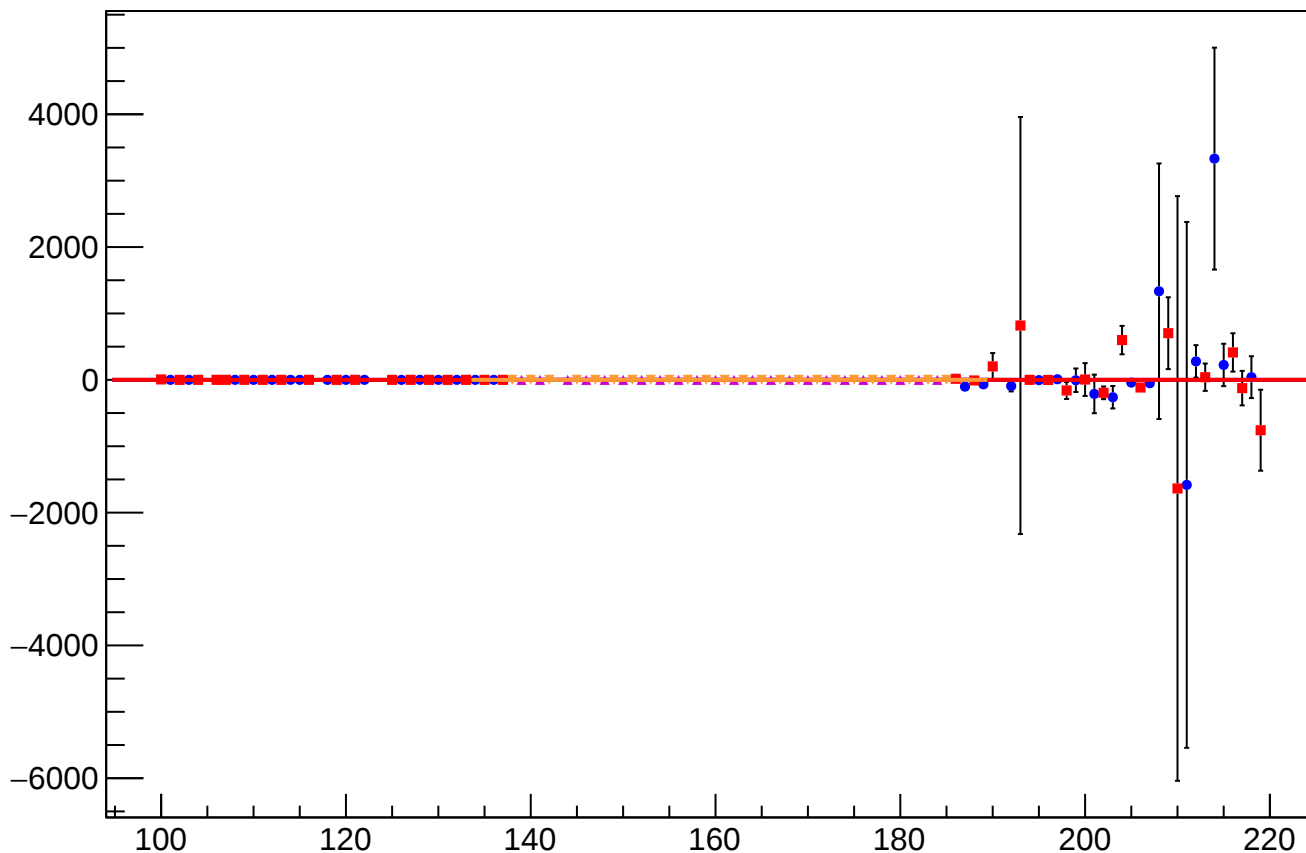
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 60.0/39

All: -0.031 ± 0.013 χ^2/NDF : 179.5/79

- sign -0.009 ± 0.018 χ^2/NDF : 116.6/39

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 ± 0.023 χ^2/NDF : 43.7/31

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 53.4/34

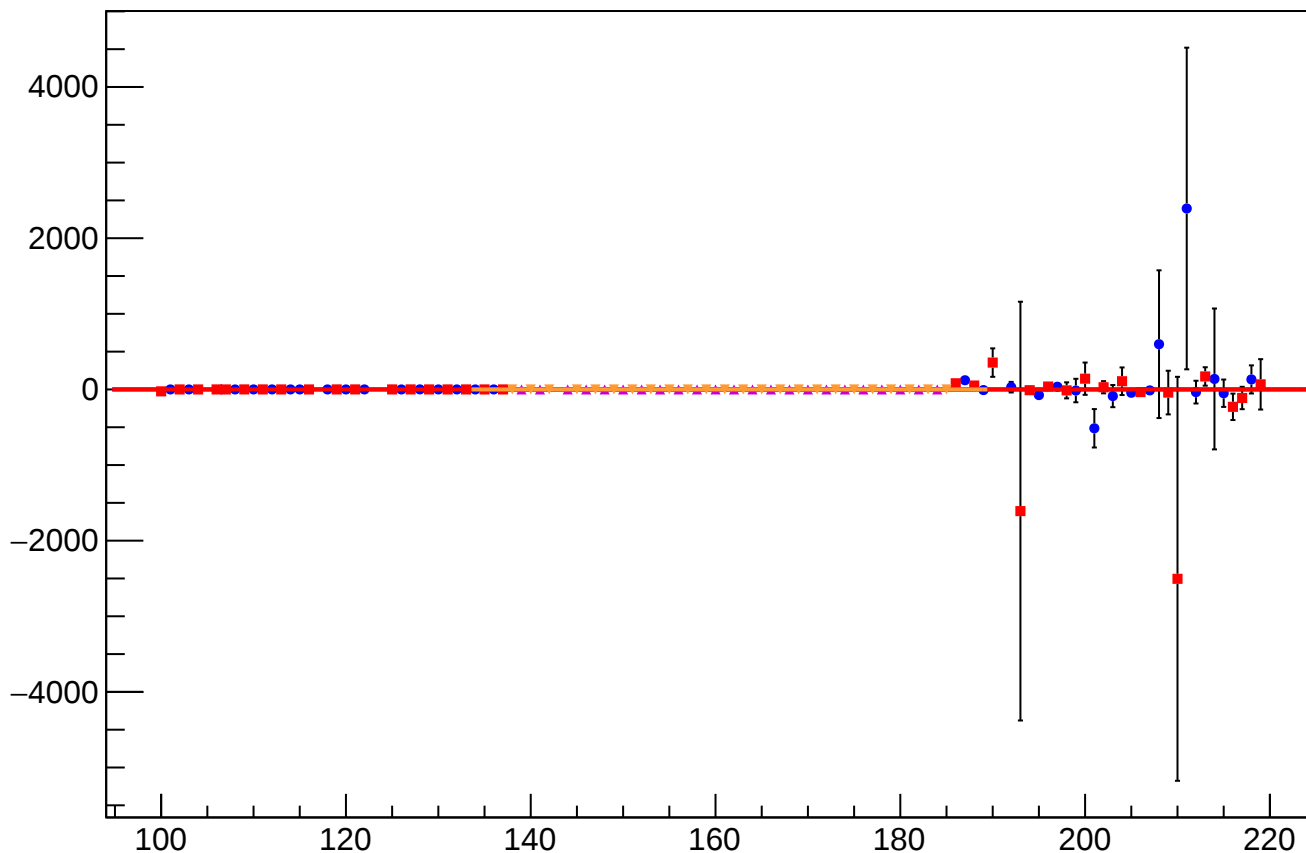
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 73.7/55

All: 0.003 ± 0.009 χ^2/NDF : 179.1/113

- sign 0.013 ± 0.012 χ^2/NDF : 104.2/57

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 χ^2/NDF : 52.5/31

Left Out: 0.048 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 0.197 ± 0.045 χ^2/NDF : 113.9/34

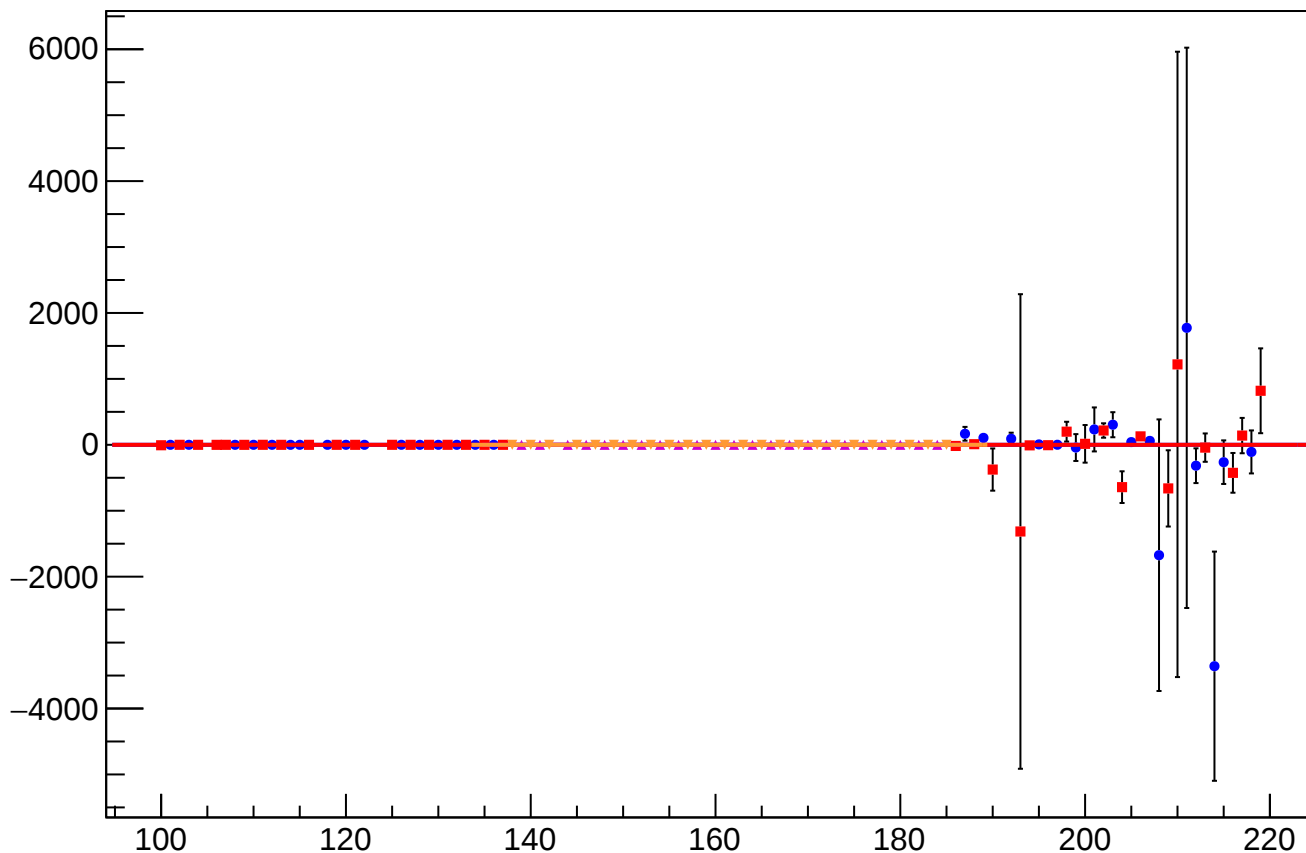
Left In: 0.020 ± 0.018 χ^2/NDF : 35.8/22

+ sign 0.064 ± 0.017 χ^2/NDF : 93.3/55

All: 0.054 ± 0.012 χ^2/NDF : 257.1/113

- sign 0.044 ± 0.017 χ^2/NDF : 163.0/57

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 $\chi^2/\text{NDF}: 43.6/31$

Left Out: 0.022 ± 0.016 $\chi^2/\text{NDF}: 33.3/23$

Right Out: -0.046 ± 0.029 $\chi^2/\text{NDF}: 49.9/34$

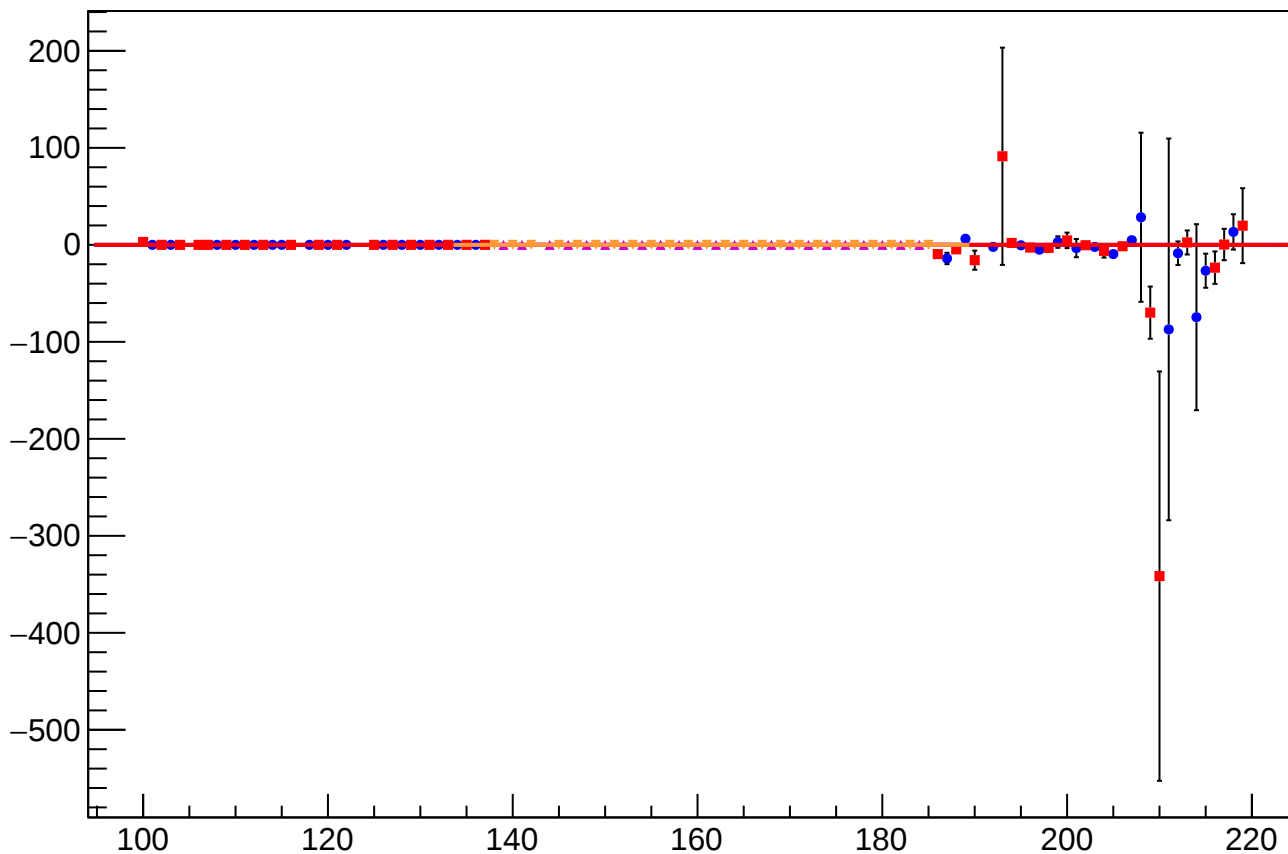
Left In: 0.006 ± 0.016 $\chi^2/\text{NDF}: 50.1/22$

+ sign 0.013 ± 0.014 $\chi^2/\text{NDF}: 77.9/55$

All: 0.004 ± 0.010 $\chi^2/\text{NDF}: 181.5/113$

- sign -0.007 ± 0.014 $\chi^2/\text{NDF}: 102.6/57$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 61.9/31

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 226.5/34

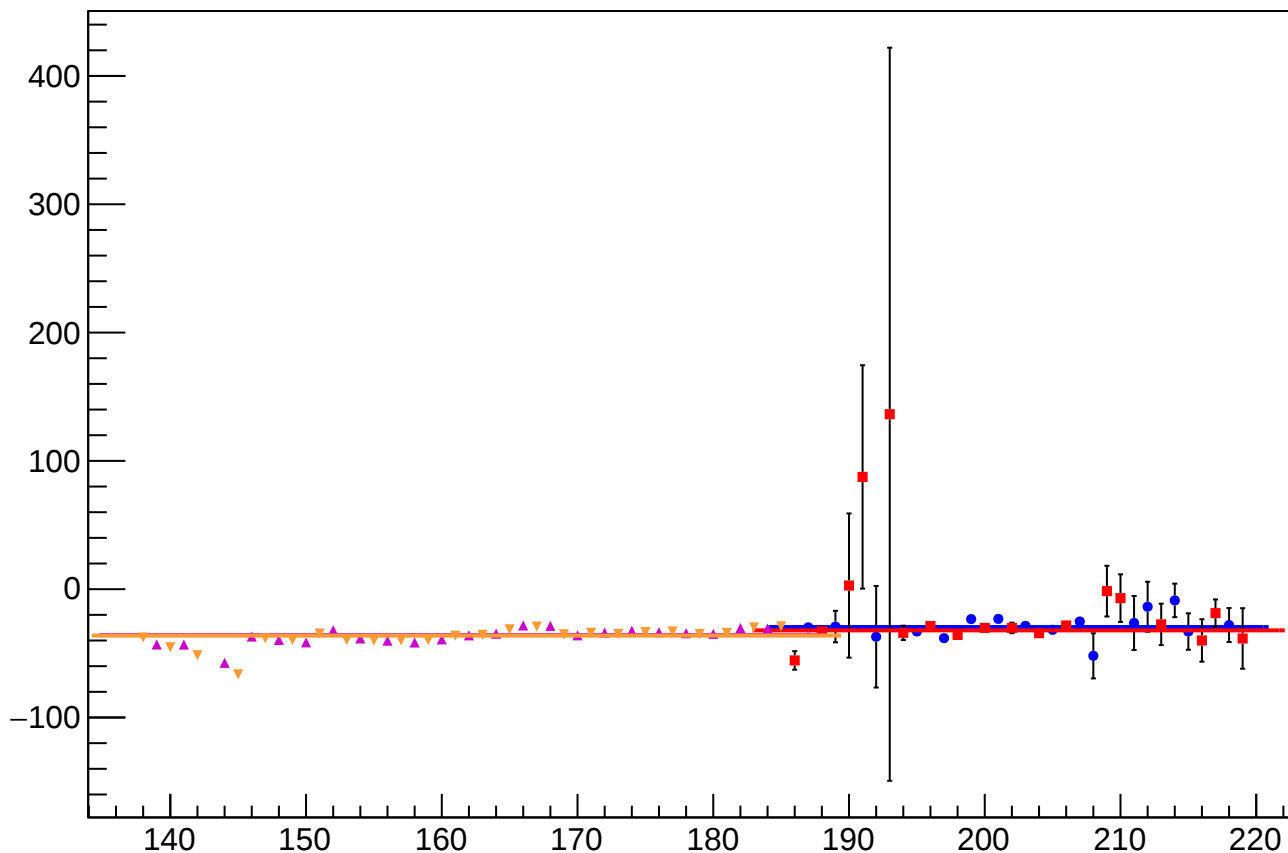
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 95.5/55

All: -0.008 ± 0.000 χ^2/NDF : 362.4/113

- sign -0.008 ± 0.001 χ^2/NDF : 266.7/57

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.510 ± 0.851 χ^2/NDF : 29.0/15

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.092 ± 0.802 χ^2/NDF : 27.0/17

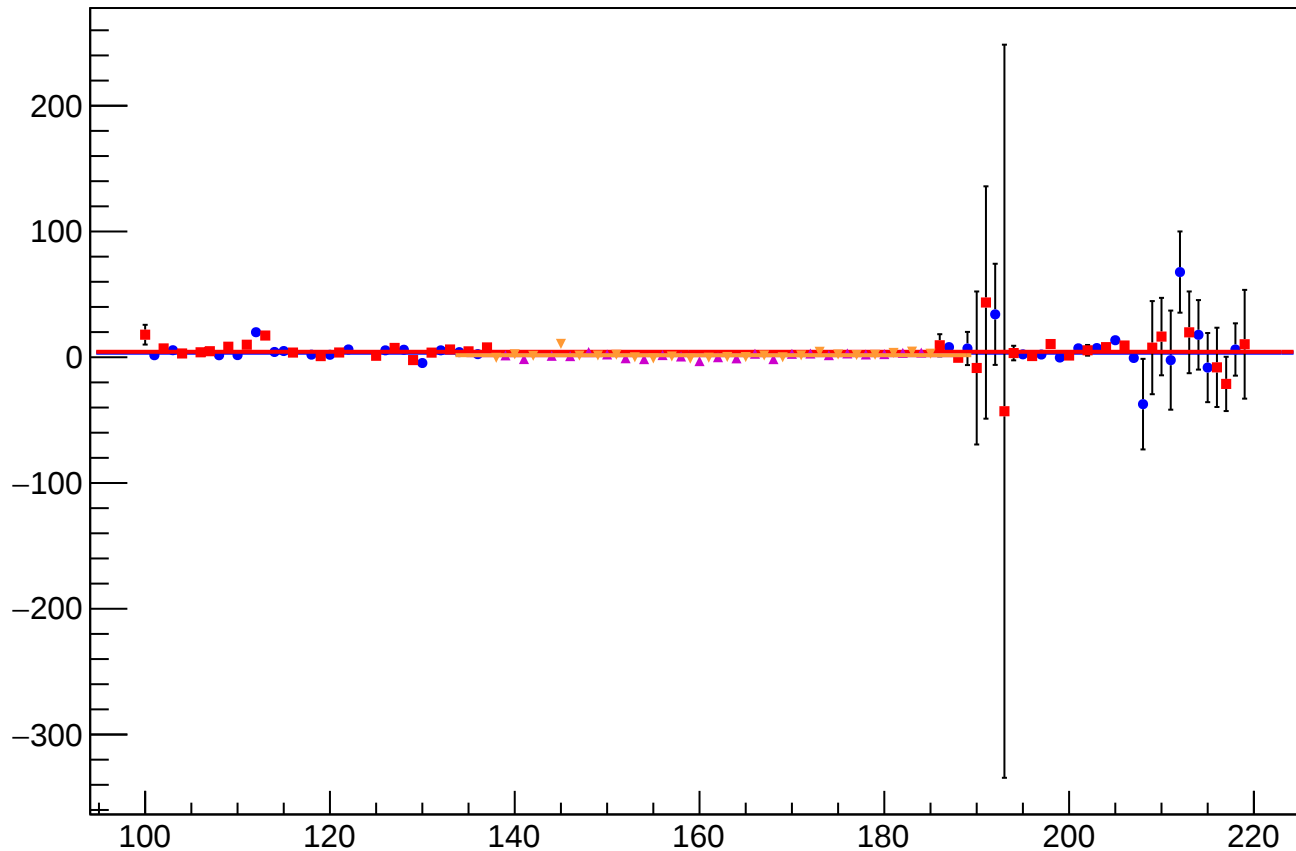
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.801 ± 0.187 χ^2/NDF : 1201.3/39

All: -35.690 ± 0.132 χ^2/NDF : 2103.0/80

- sign -35.581 ± 0.186 χ^2/NDF : 901.1/40

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.603 ± 0.217 χ^2/NDF : 462.6/31

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.347 ± 0.221 χ^2/NDF : 370.9/35

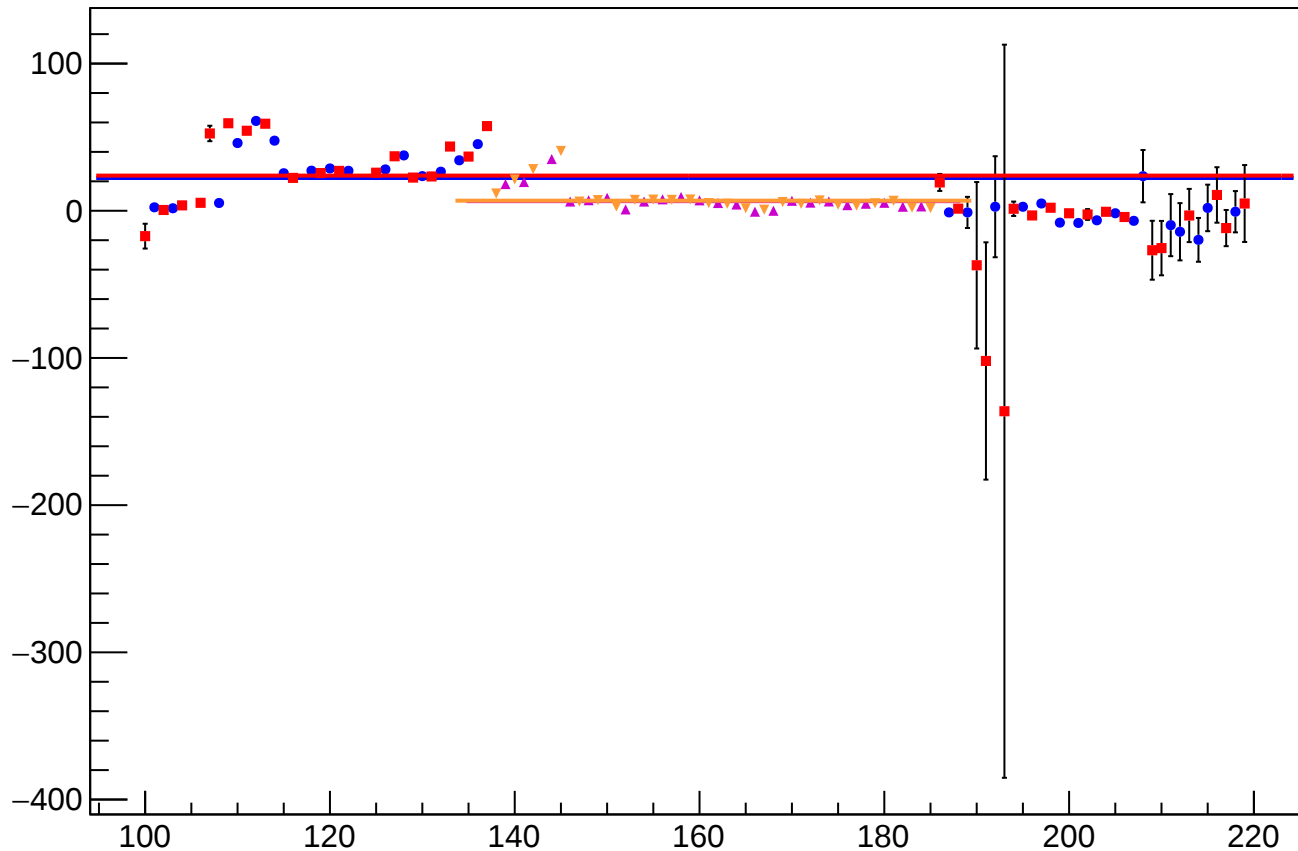
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.259 ± 0.122 χ^2/NDF : 685.5/55

All: 2.374 ± 0.087 χ^2/NDF : 1324.5/114

- sign 2.493 ± 0.124 χ^2/NDF : 637.3/58

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.272 $\pm$ 0.370 χ^2 /NDF: 2824.3/31

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 23.896 $\pm$ 0.361 χ^2 /NDF: 3308.9/35

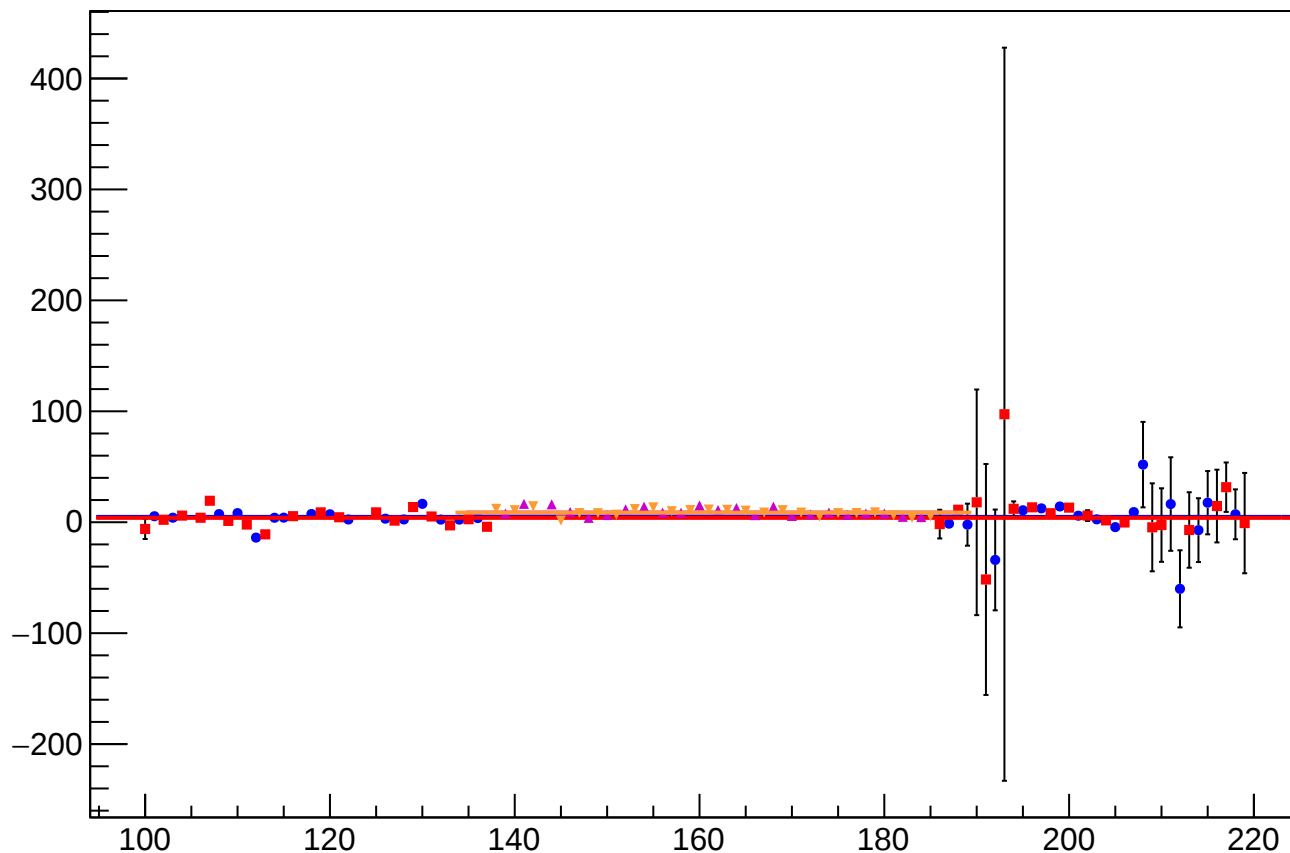
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.125 $\pm$ 0.170 χ^2 /NDF: 5490.6/55

All: 10.217 $\pm$ 0.120 χ^2 /NDF: 11631.2/114

- sign 10.307 $\pm$ 0.168 χ^2 /NDF: 6140.1/58

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.805 ± 0.250 χ^2/NDF : 576.6/31

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.940 ± 0.254 χ^2/NDF : 590.9/35

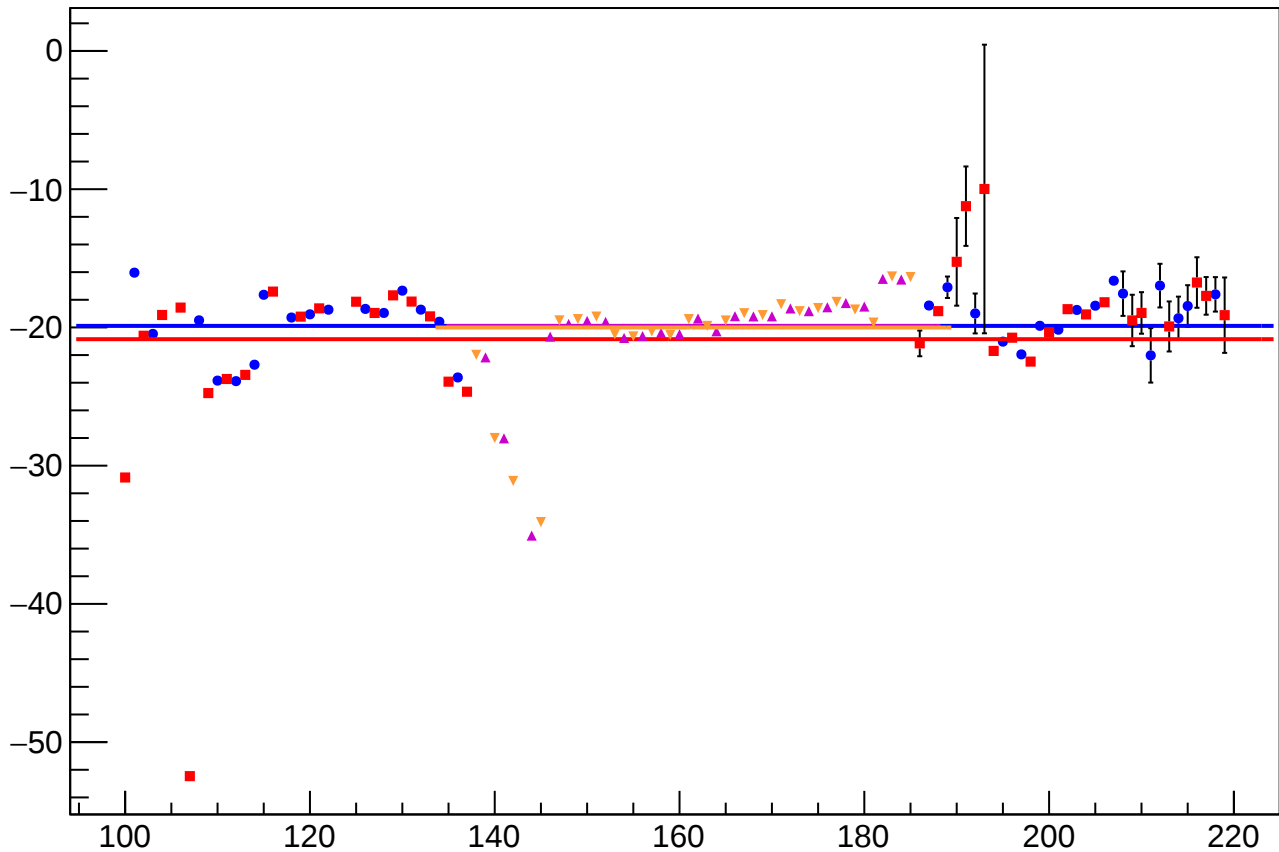
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.475 ± 0.140 χ^2/NDF : 983.8/55

All: 7.341 ± 0.099 χ^2/NDF : 2252.1/114

- sign 7.206 ± 0.141 χ^2/NDF : 1266.4/58

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.889 ± 0.015 χ^2/NDF : 27152.1/31

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.851 ± 0.015 χ^2/NDF : 95251.3/35

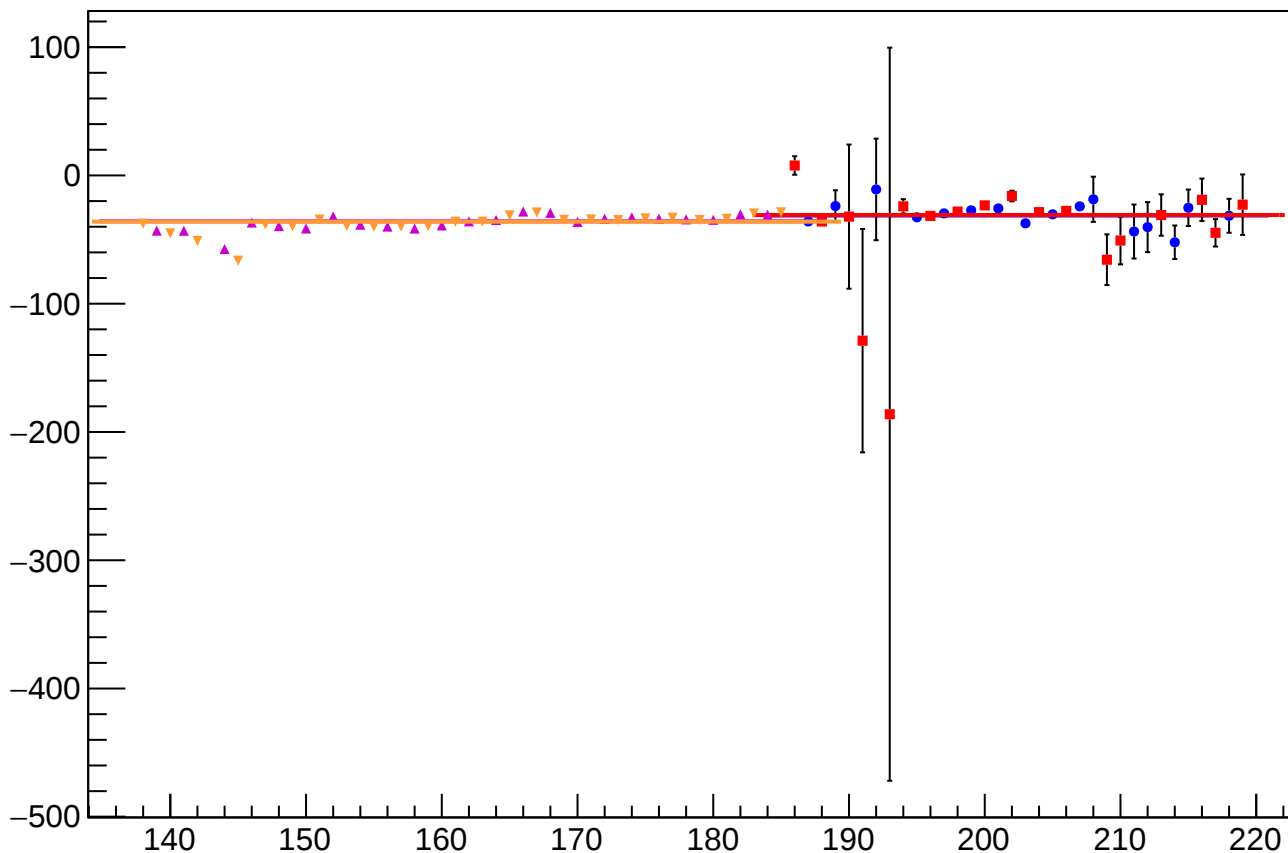
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.980 ± 0.007 χ^2/NDF : 198964.3/55

All: -20.042 ± 0.005 χ^2/NDF : 441758.4/114

- sign -20.104 ± 0.007 χ^2/NDF : 242634.8/58

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.199 ± 0.854 χ^2/NDF : 31.3/15

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -30.894 ± 0.804 χ^2/NDF : 78.5/17

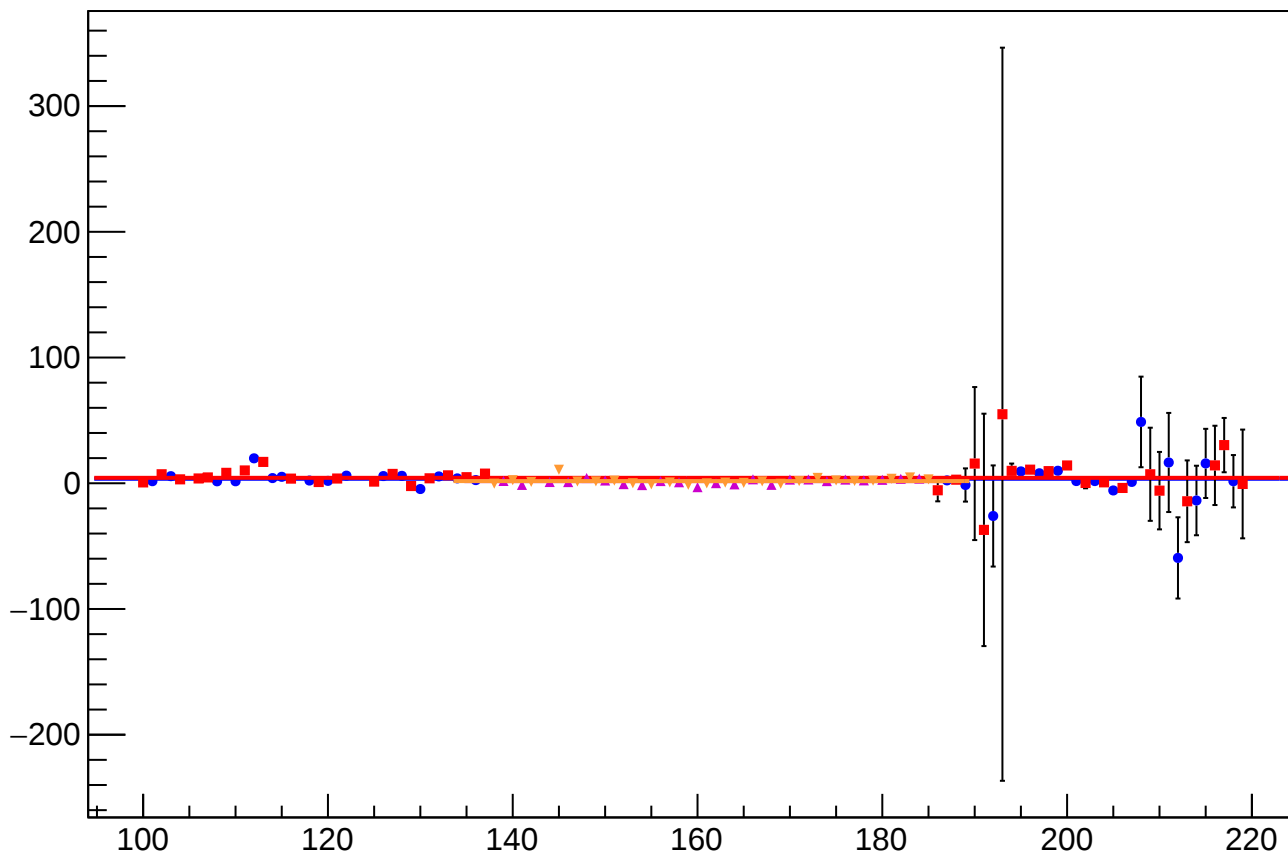
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.799 ± 0.187 χ^2/NDF : 1183.1/39

All: -35.651 ± 0.132 χ^2/NDF : 2140.2/80

- sign -35.506 ± 0.186 χ^2/NDF : 955.8/40

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.567 ± 0.217 χ^2/NDF : 462.1/31

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.323 ± 0.217 χ^2/NDF : 380.3/35

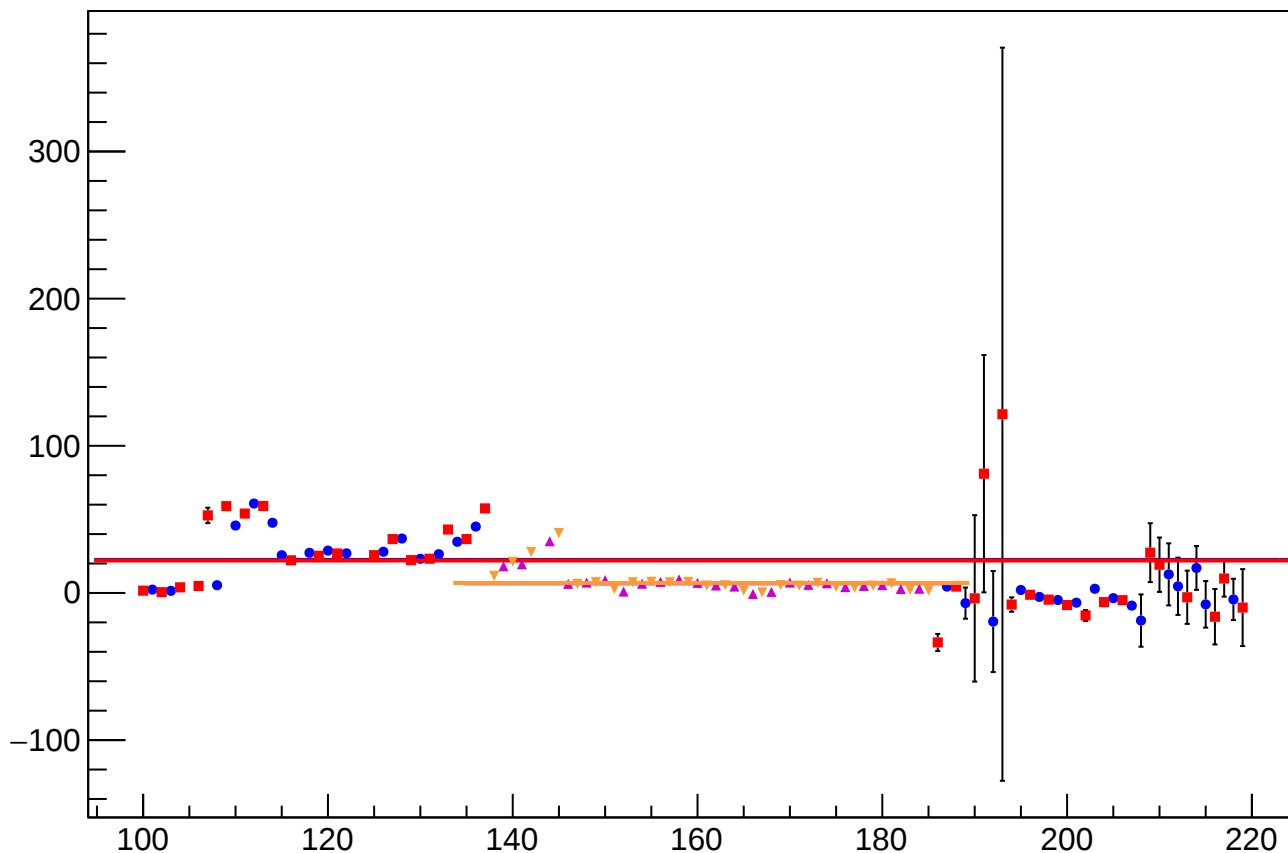
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.309 ± 0.122 χ^2/NDF : 679.7/55

All: 2.427 ± 0.087 χ^2/NDF : 1323.5/114

- sign 2.547 ± 0.123 χ^2/NDF : 642.0/58

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.445 ± 0.370 χ^2/NDF : 2708.2/31

Left Out: 6.779 ± 0.191 χ^2/NDF : 1297.7/23

Right Out: 22.025 ± 0.349 χ^2/NDF : 3667.8/35

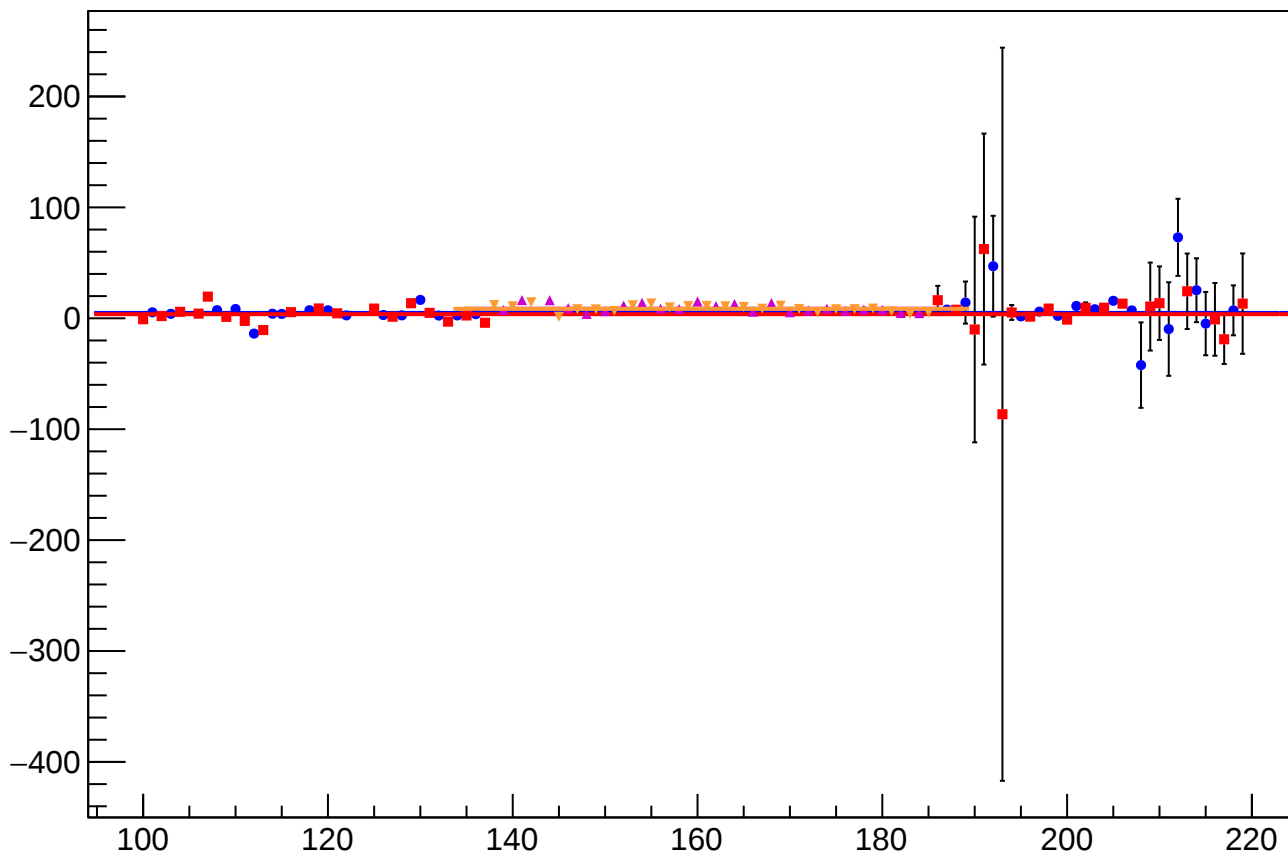
Left In: 6.532 ± 0.190 χ^2/NDF : 1018.2/22

+ sign 10.089 ± 0.170 χ^2/NDF : 5423.0/55

All: 10.088 ± 0.119 χ^2/NDF : 11630.5/114

- sign 10.088 ± 0.167 χ^2/NDF : 6207.4/58

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.849 ± 0.250 χ^2/NDF : 565.0/31

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.697 ± 0.250 χ^2/NDF : 590.5/35

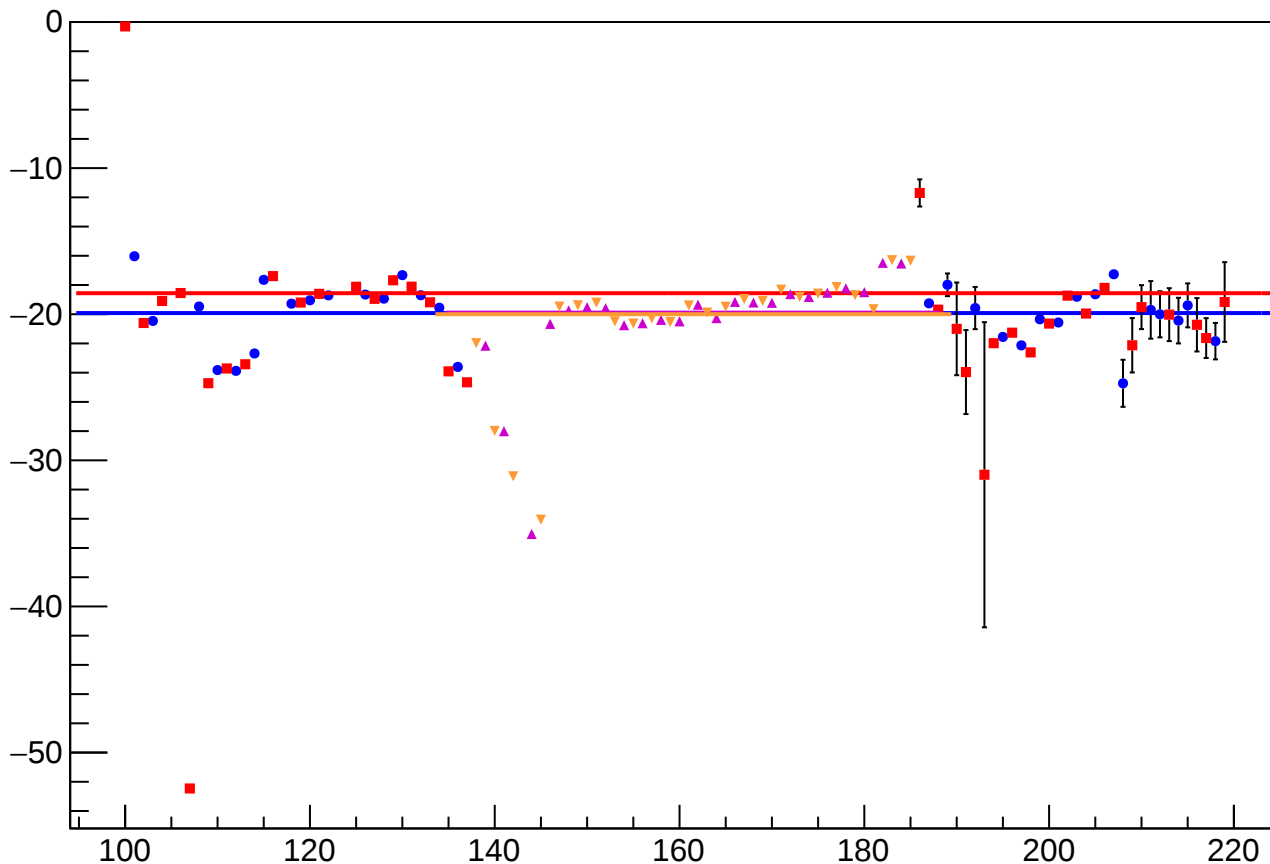
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.414 ± 0.140 χ^2/NDF : 964.0/55

All: 7.227 ± 0.099 χ^2/NDF : 2261.1/114

- sign 7.039 ± 0.141 χ^2/NDF : 1293.5/58

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.920 ± 0.015 $\chi^2/\text{NDF}: 27099.8/31$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.560 ± 0.014 $\chi^2/\text{NDF}: 303735.3/35$

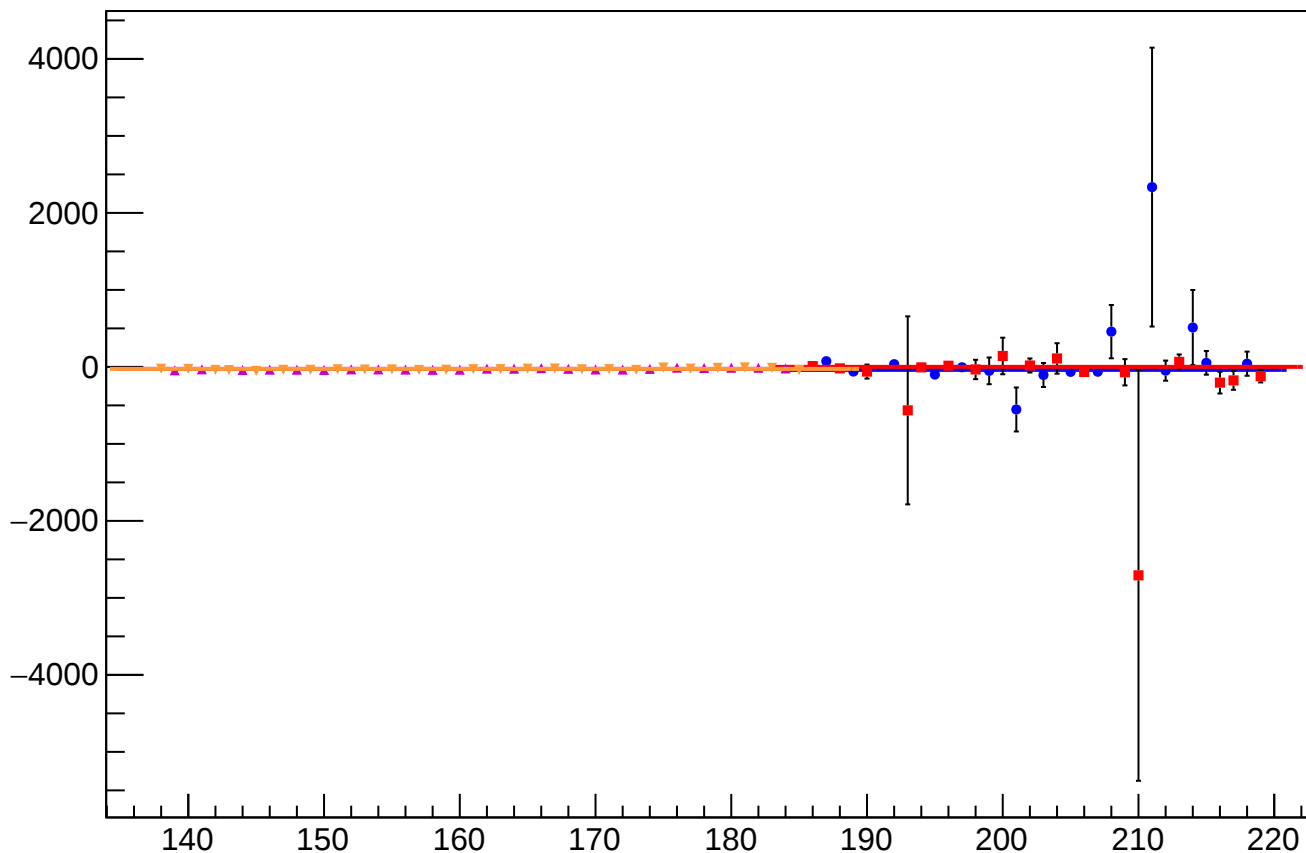
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.981 ± 0.007 $\chi^2/\text{NDF}: 199065.9/55$

All: -19.775 ± 0.005 $\chi^2/\text{NDF}: 655378.4/114$

- sign -19.576 ± 0.007 $\chi^2/\text{NDF}: 454596.3/58$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -38.374 ± 12.891 χ^2/NDF : 21.6/15

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 0.535 ± 8.012 χ^2/NDF : 13.8/16

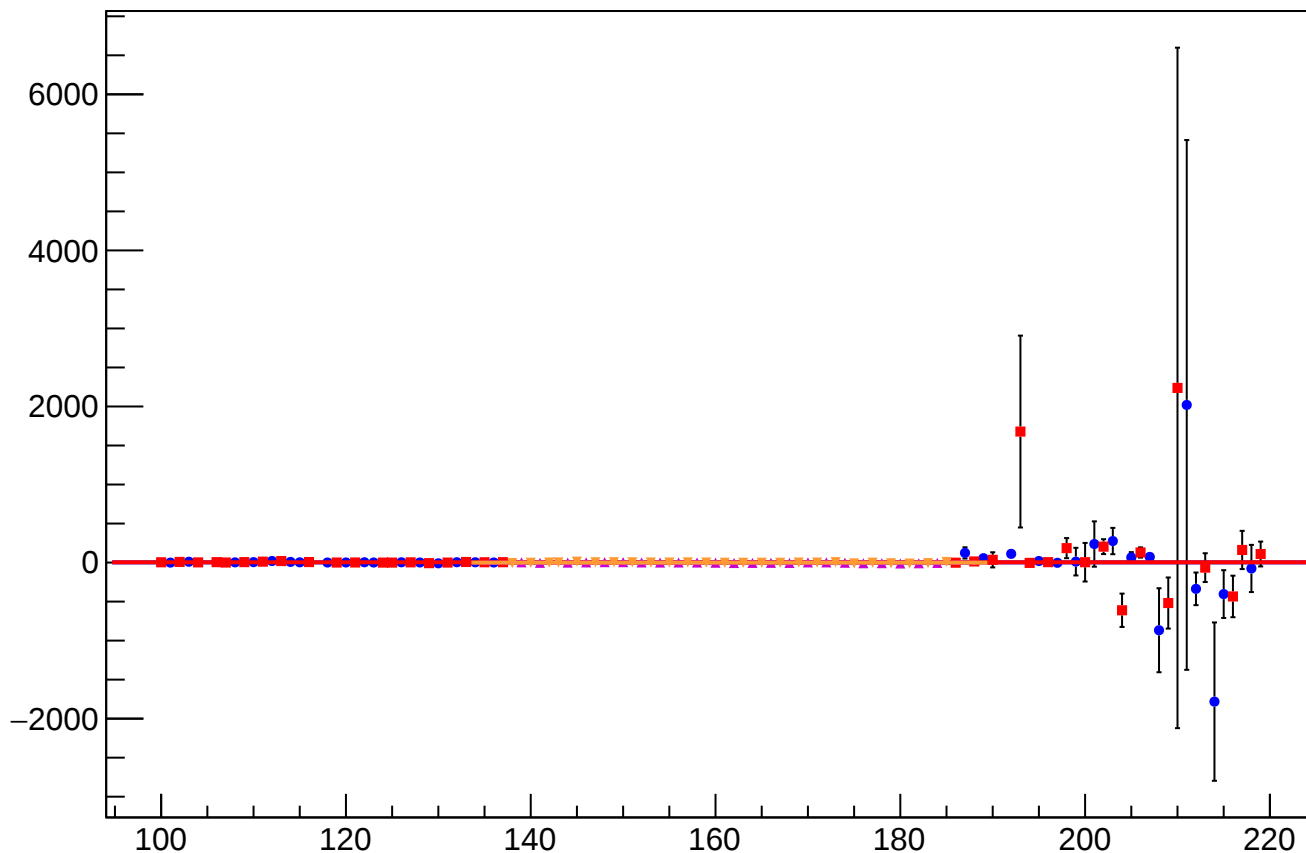
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.887 ± 0.192 χ^2/NDF : 4180.5/40

All: -25.961 ± 0.137 χ^2/NDF : 7485.2/80

- sign -26.036 ± 0.195 χ^2/NDF : 3304.3/39

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.475+/-0.315 χ^2/NDF : 324.1/32

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.715+/-0.327 χ^2/NDF : 296.2/35

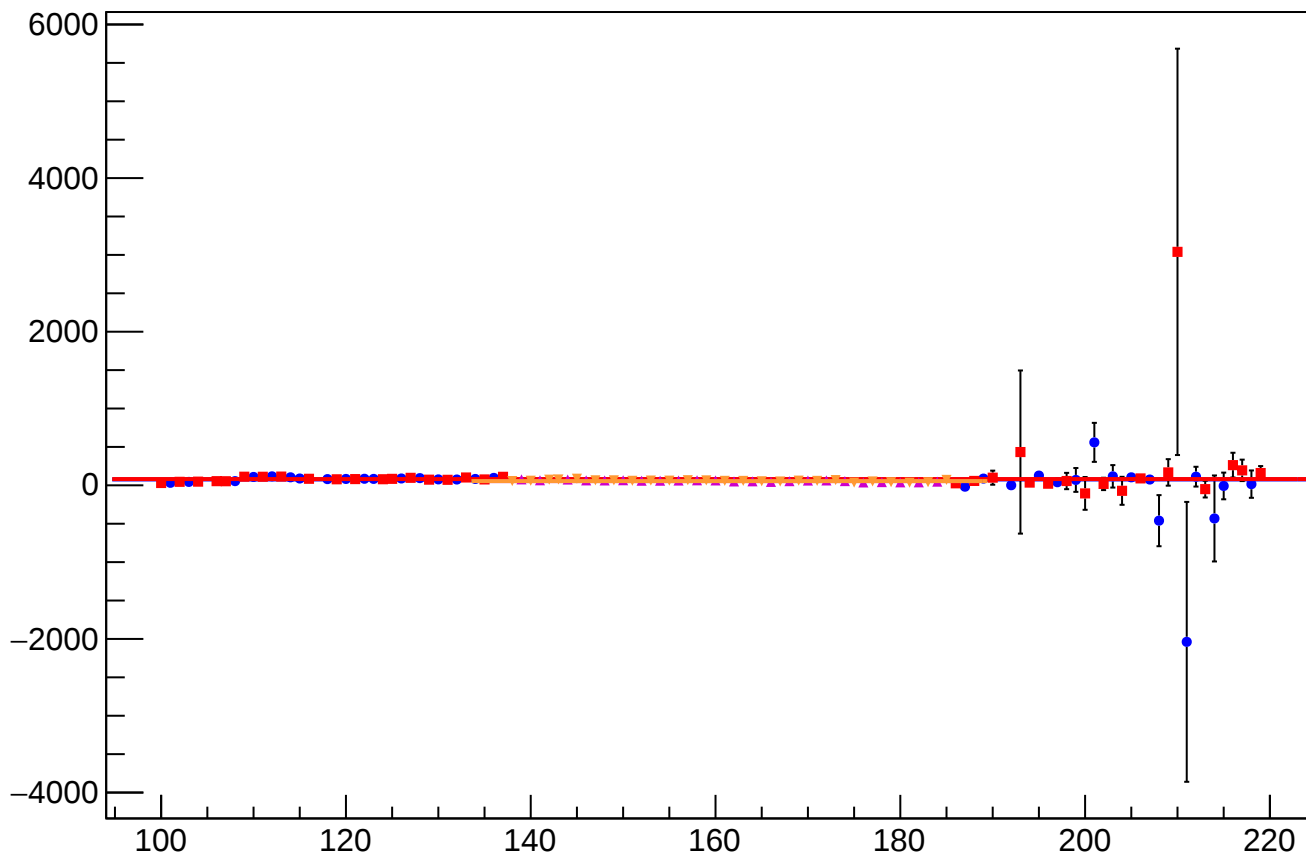
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1726.2/57

All: -0.081+/-0.095 χ^2/NDF : 3251.2/116

- sign -0.062+/-0.137 χ^2/NDF : 1524.9/58

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.530 $\pm$ 0.576 χ^2 /NDF: 2274.5/32

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.495 $\pm$ 0.590 χ^2 /NDF: 1638.3/35

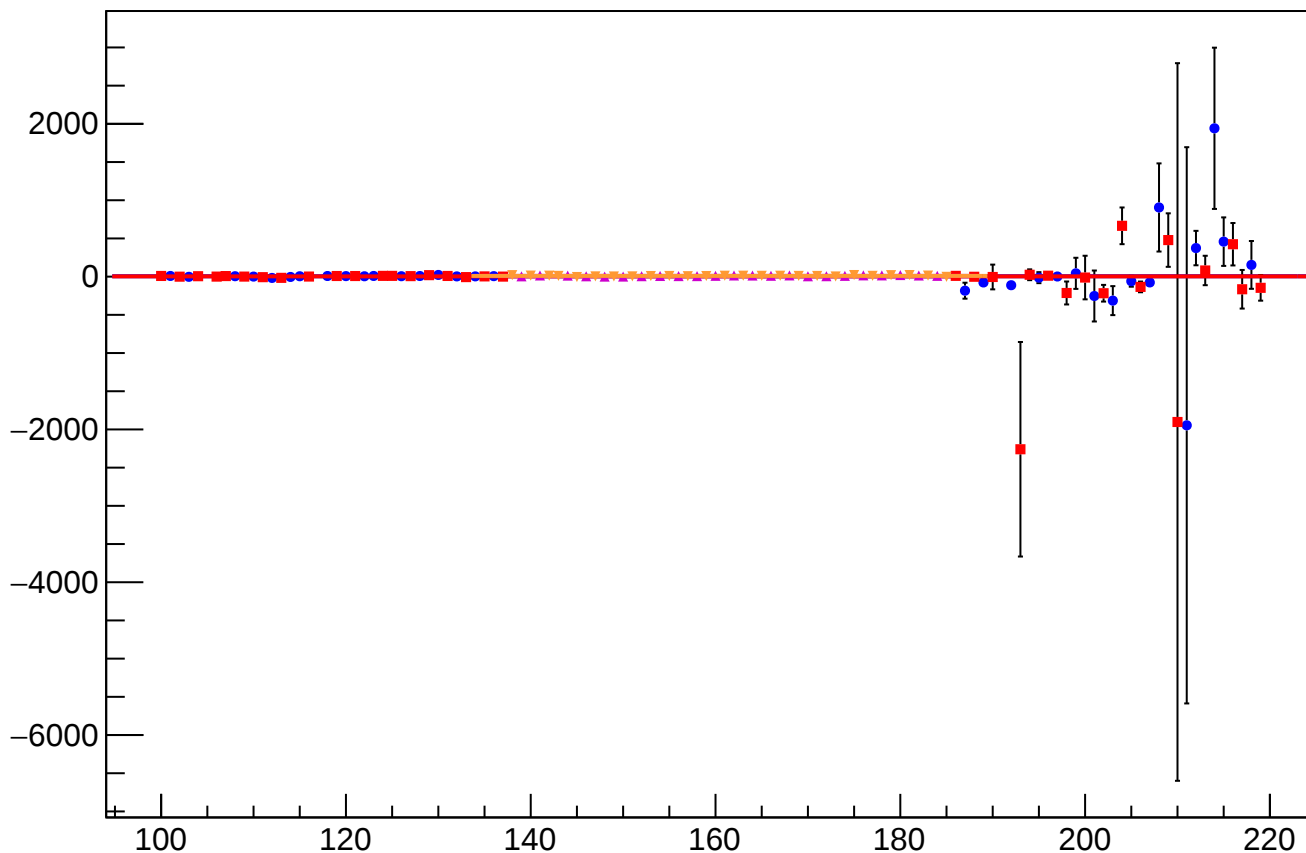
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8100.0/57

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15252.1/116

- sign 57.632 $\pm$ 0.184 χ^2 /NDF: 7149.7/58

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.408 ± 0.361 $\chi^2/\text{NDF}: 415.7/32$

Left Out: 9.737 ± 0.168 $\chi^2/\text{NDF}: 1450.2/24$

Right Out: 3.580 ± 0.375 $\chi^2/\text{NDF}: 447.8/35$

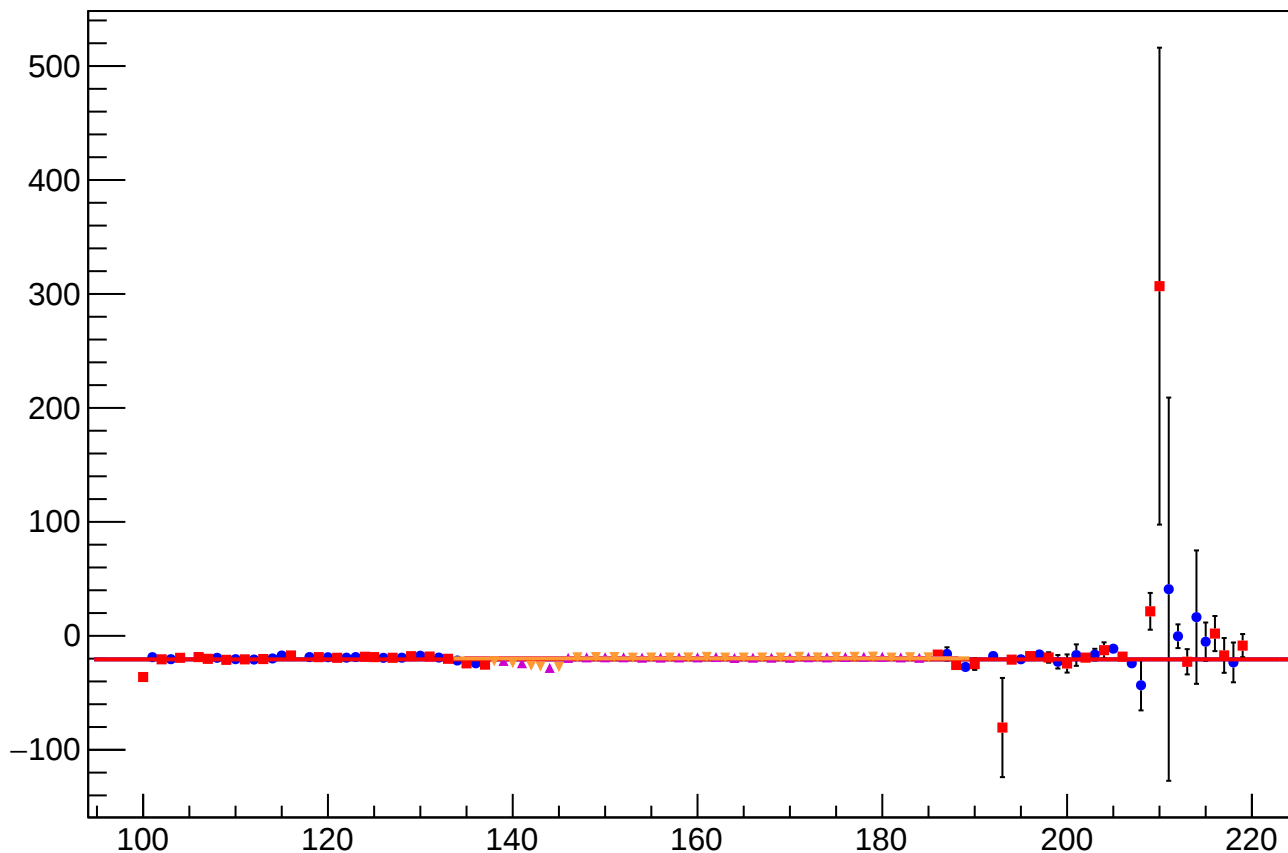
Left In: 9.803 ± 0.172 $\chi^2/\text{NDF}: 1158.7/22$

+ sign 8.968 ± 0.152 $\chi^2/\text{NDF}: 1984.2/57$

All: 8.851 ± 0.109 $\chi^2/\text{NDF}: 3819.3/116$

- sign 8.727 ± 0.156 $\chi^2/\text{NDF}: 1833.9/58$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644±0.019 χ^2/NDF : 12460.3/32

Left Out: -19.767±0.008 χ^2/NDF : 91617.3/24

Right Out: -20.638±0.019 χ^2/NDF : 13822.8/35

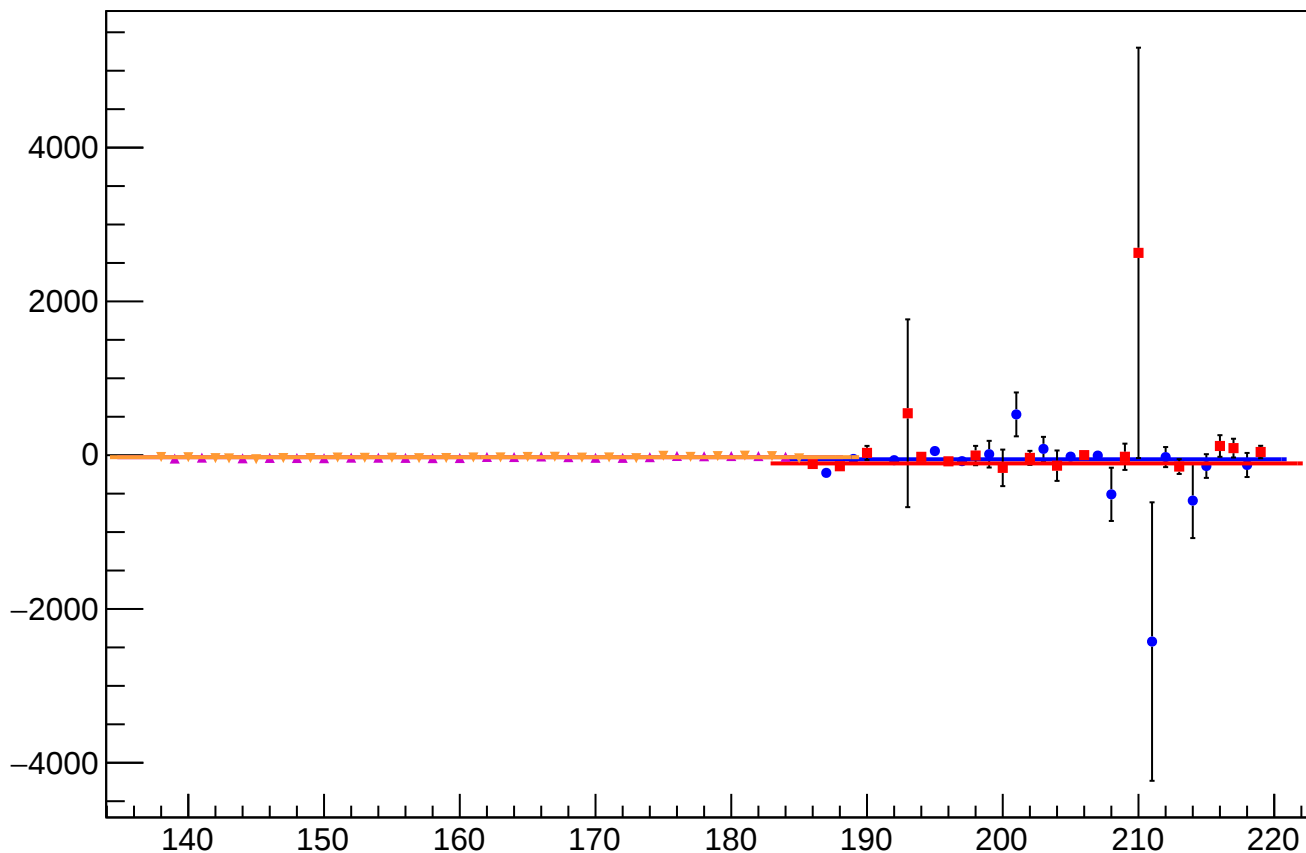
Left In: -19.435±0.008 χ^2/NDF : 53170.9/22

+ sign -19.892±0.007 χ^2/NDF : 105838.9/57

All: -19.751±0.005 χ^2/NDF : 176858.9/116

- sign -19.607±0.007 χ^2/NDF : 70267.4/58

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -53.356 ± 12.900 χ^2/NDF : 32.8/15

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -106.957 ± 8.017 χ^2/NDF : 25.8/16

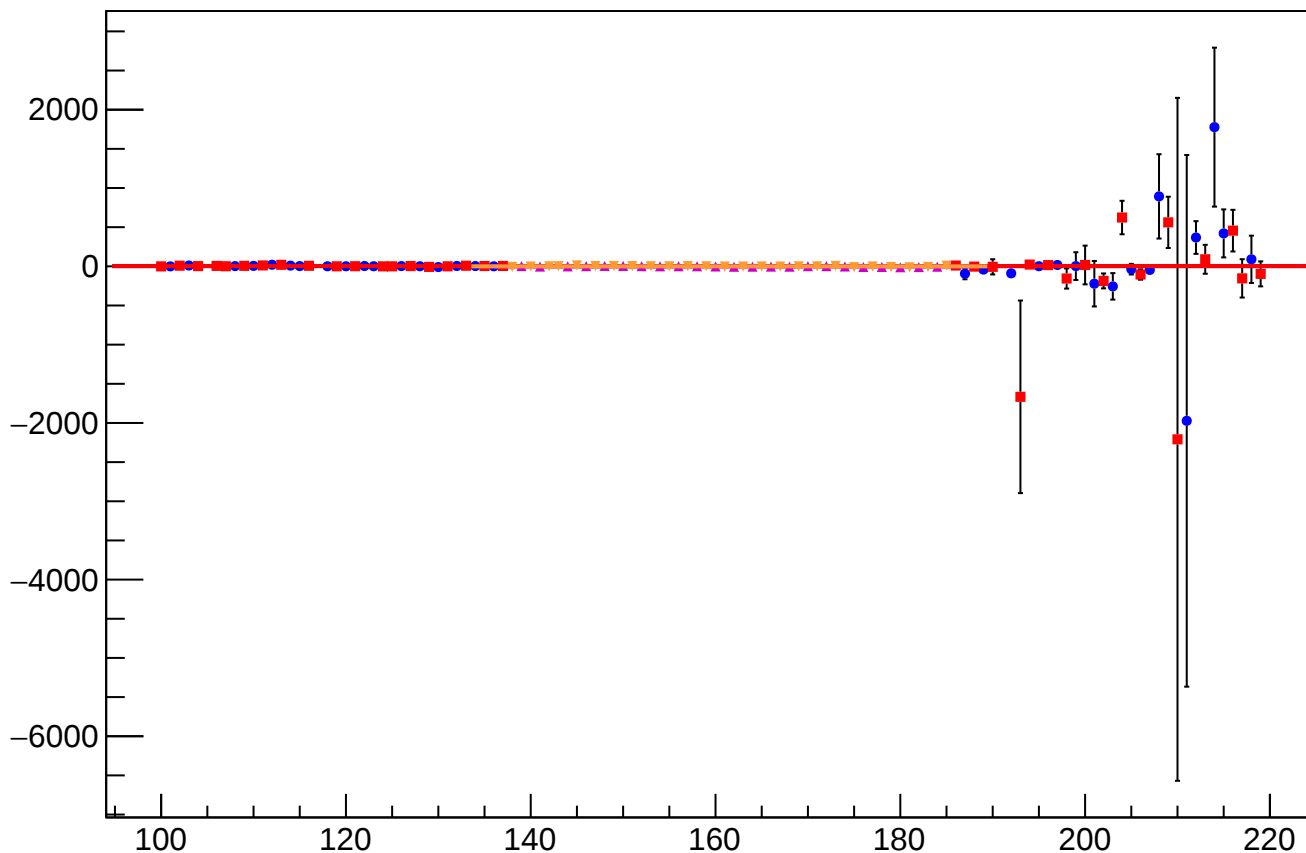
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4164.9/40

All: -25.998 ± 0.137 χ^2/NDF : 7539.7/80

- sign -26.094 ± 0.195 χ^2/NDF : 3374.3/39

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.440 $\pm$ 0.315 χ^2 /NDF: 316.6/32

Left Out: -0.596 $\pm$ 0.146 χ^2 /NDF: 1310.7/24

Right Out: 3.593 $\pm$ 0.318 χ^2 /NDF: 306.1/35

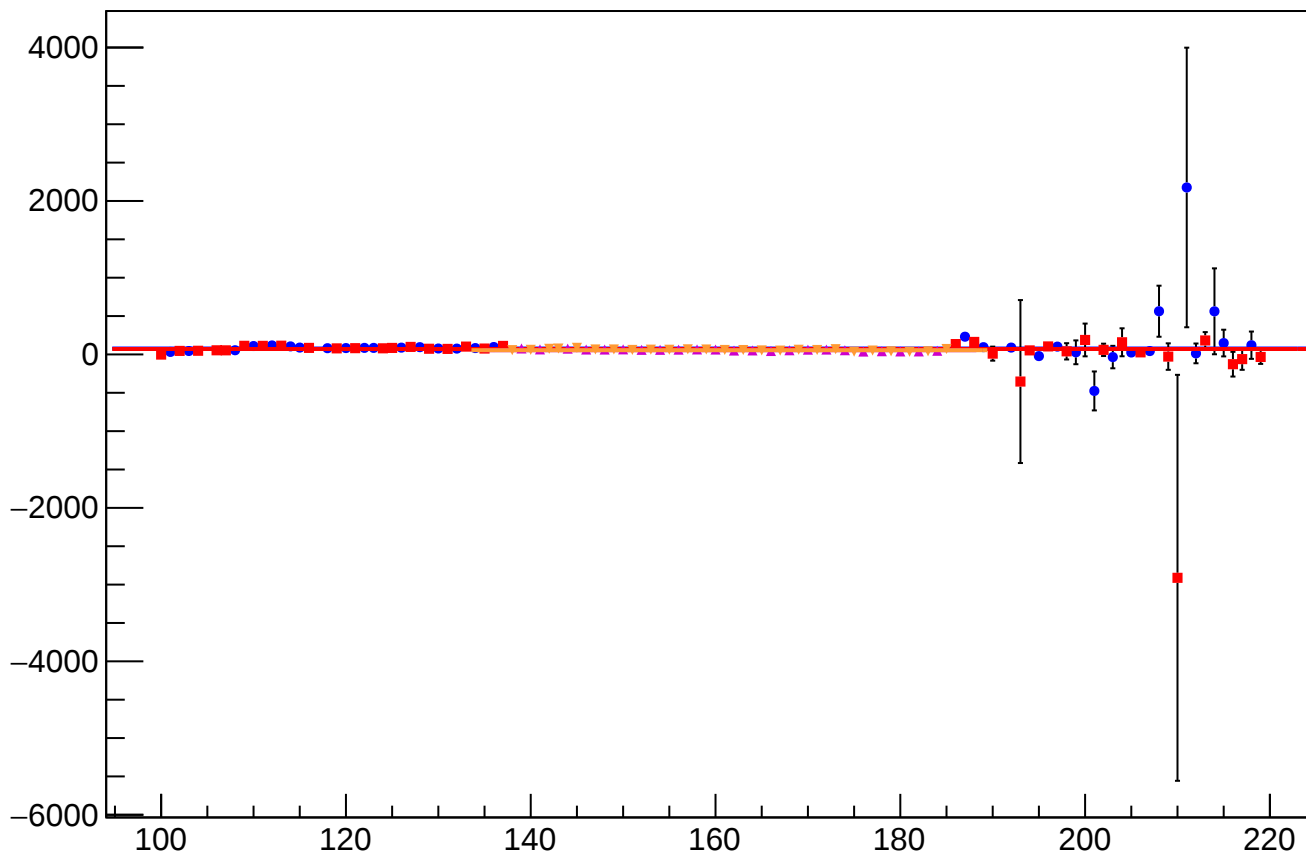
Left In: -0.795 $\pm$ 0.151 χ^2 /NDF: 1106.3/22

+ sign -0.057 $\pm$ 0.133 χ^2 /NDF: 1703.8/57

All: -0.025 $\pm$ 0.095 χ^2 /NDF: 3271.9/116

- sign 0.009 $\pm$ 0.136 χ^2 /NDF: 1568.0/58

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.710 $\pm$ 0.576 χ^2 /NDF: 2301.0/32

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.742 $\pm$ 0.549 χ^2 /NDF: 4498.8/35

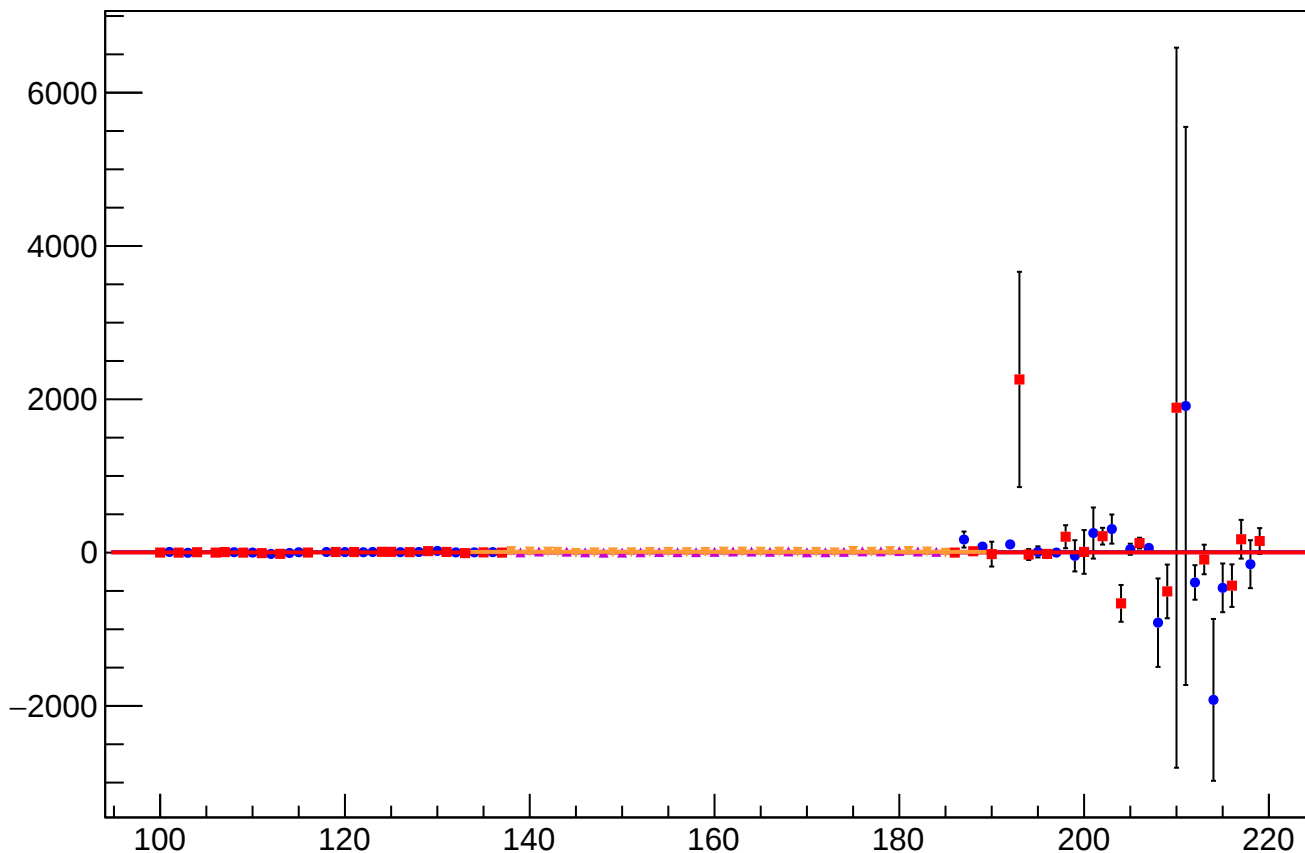
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.259 $\pm$ 0.182 χ^2 /NDF: 8125.4/57

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17015.1/116

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8886.9/58

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.443 ± 0.361 $\chi^2/\text{NDF}: 409.9/32$

Left Out: 9.675 ± 0.168 $\chi^2/\text{NDF}: 1441.3/24$

Right Out: 3.283 ± 0.365 $\chi^2/\text{NDF}: 450.4/35$

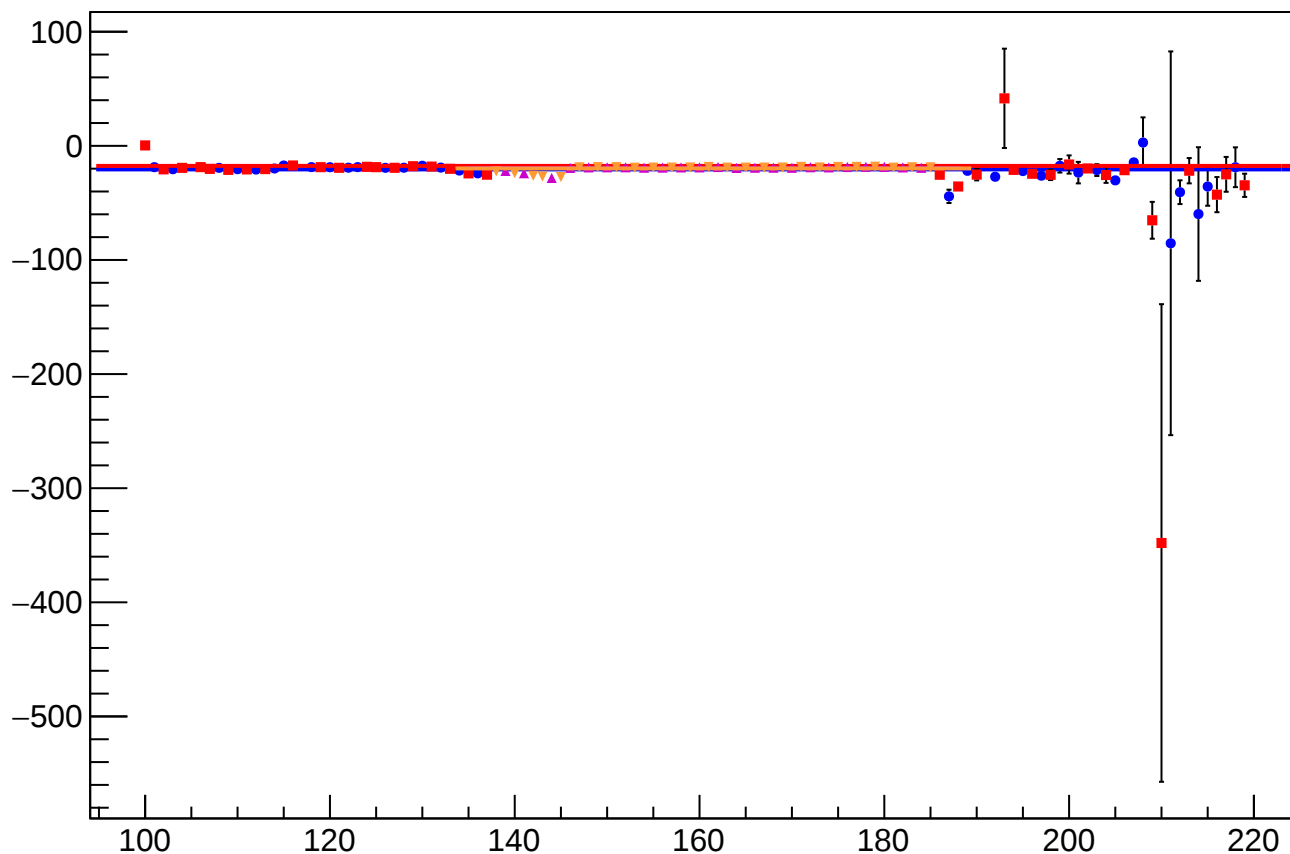
Left In: 9.738 ± 0.172 $\chi^2/\text{NDF}: 1191.1/22$

+ sign 8.923 ± 0.152 $\chi^2/\text{NDF}: 1964.2/57$

All: 8.750 ± 0.109 $\chi^2/\text{NDF}: 3863.9/116$

- sign 8.570 ± 0.155 $\chi^2/\text{NDF}: 1897.1/58$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 χ^2/NDF : 12521.0/32

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178458.6/35

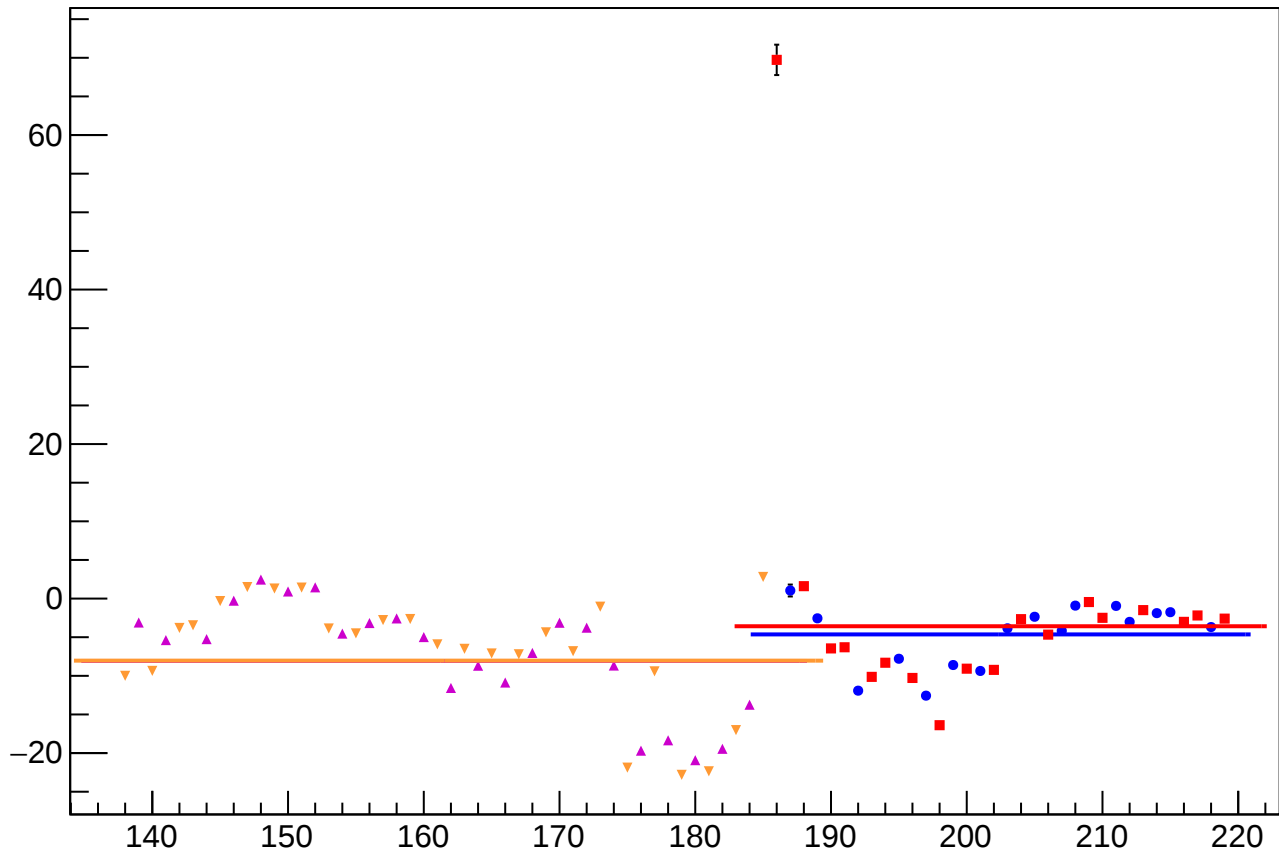
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105770.1/57

All: -19.518 ± 0.005 χ^2/NDF : 351750.3/116

- sign -19.140 ± 0.007 χ^2/NDF : 240569.3/58

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -4.638 ± 0.096 χ^2/NDF : 1562.0/15

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -3.581 ± 0.086 χ^2/NDF : 4172.9/17

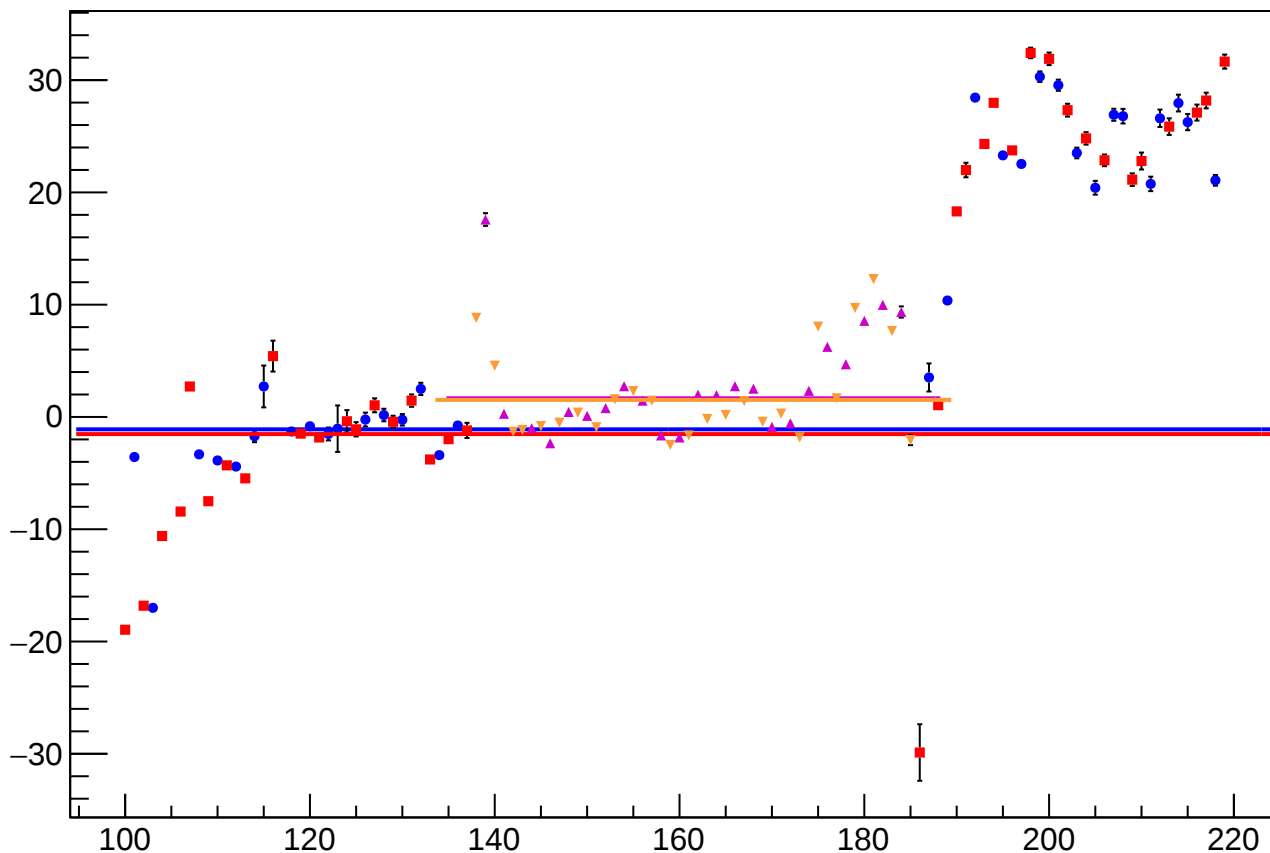
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -6.855 ± 0.057 χ^2/NDF : 14939.9/40

All: -6.539 ± 0.040 χ^2/NDF : 31314.1/81

- sign -6.239 ± 0.055 χ^2/NDF : 16313.7/40

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -1.102 ± 0.051 χ^2/NDF : 52947.2/32

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -1.527 ± 0.053 χ^2/NDF : 64315.6/36

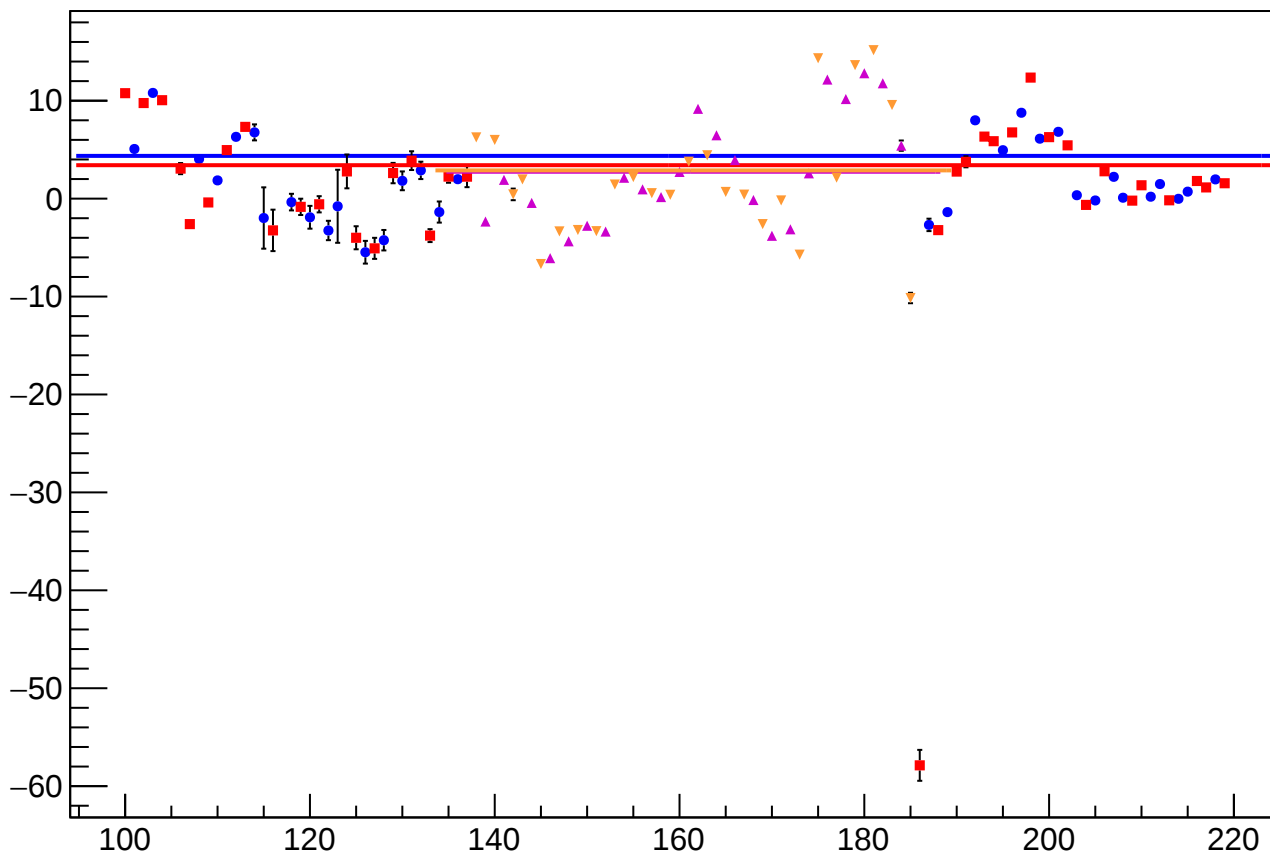
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign 0.115 ± 0.037 χ^2/NDF : 59038.9/57

All: 0.041 ± 0.027 χ^2/NDF : 129093.3/117

- sign -0.040 ± 0.039 χ^2/NDF : 70045.9/59

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.366 ± 0.065 χ^2/NDF : 3347.6/32

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.415 ± 0.061 χ^2/NDF : 8149.6/36

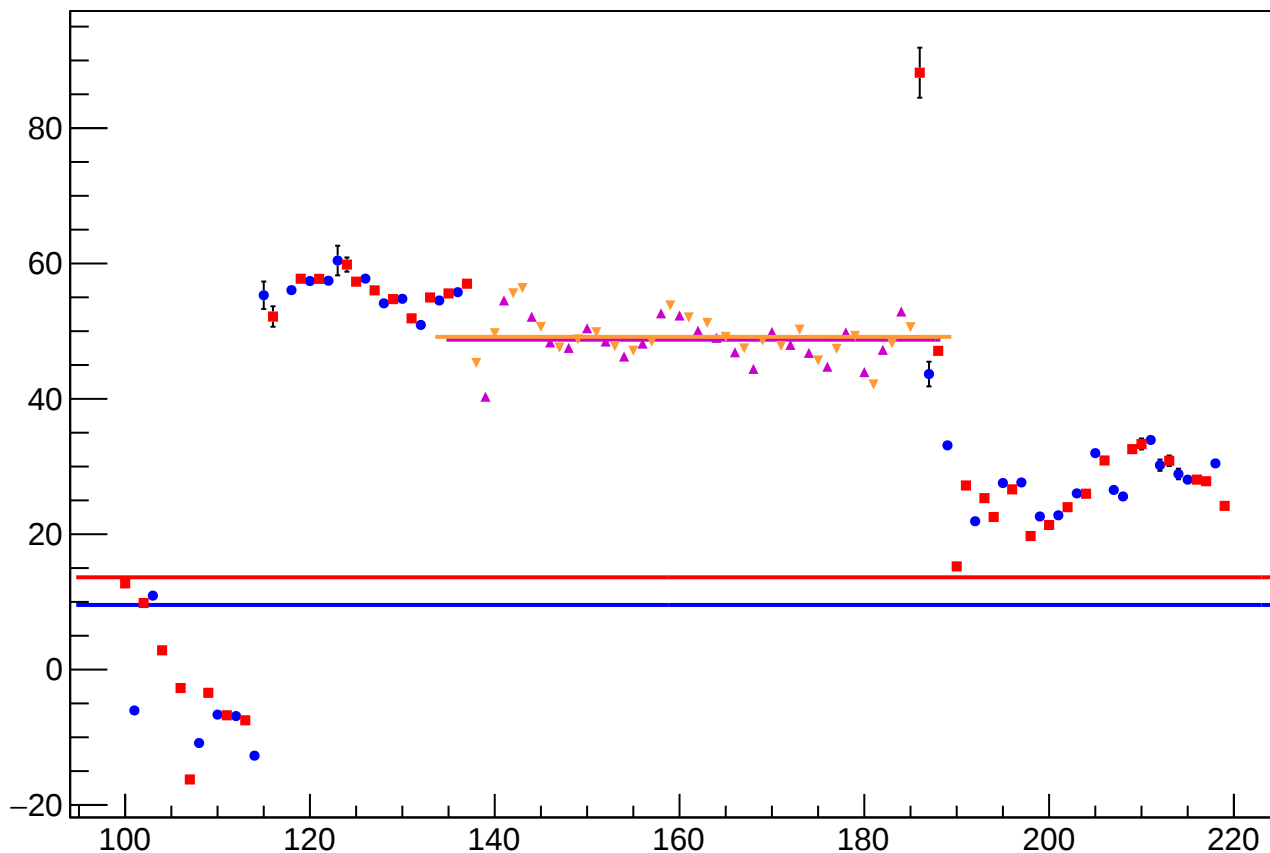
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.688 ± 0.048 χ^2/NDF : 12481.9/57

All: 3.403 ± 0.033 χ^2/NDF : 27935.3/117

- sign 3.132 ± 0.046 χ^2/NDF : 15383.4/59

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.551 ± 0.060 $\chi^2/\text{NDF}: 137944.9/32$

Left Out: 49.163 ± 0.062 $\chi^2/\text{NDF}: 2259.9/24$

Right Out: 13.635 ± 0.063 $\chi^2/\text{NDF}: 138810.7/36$

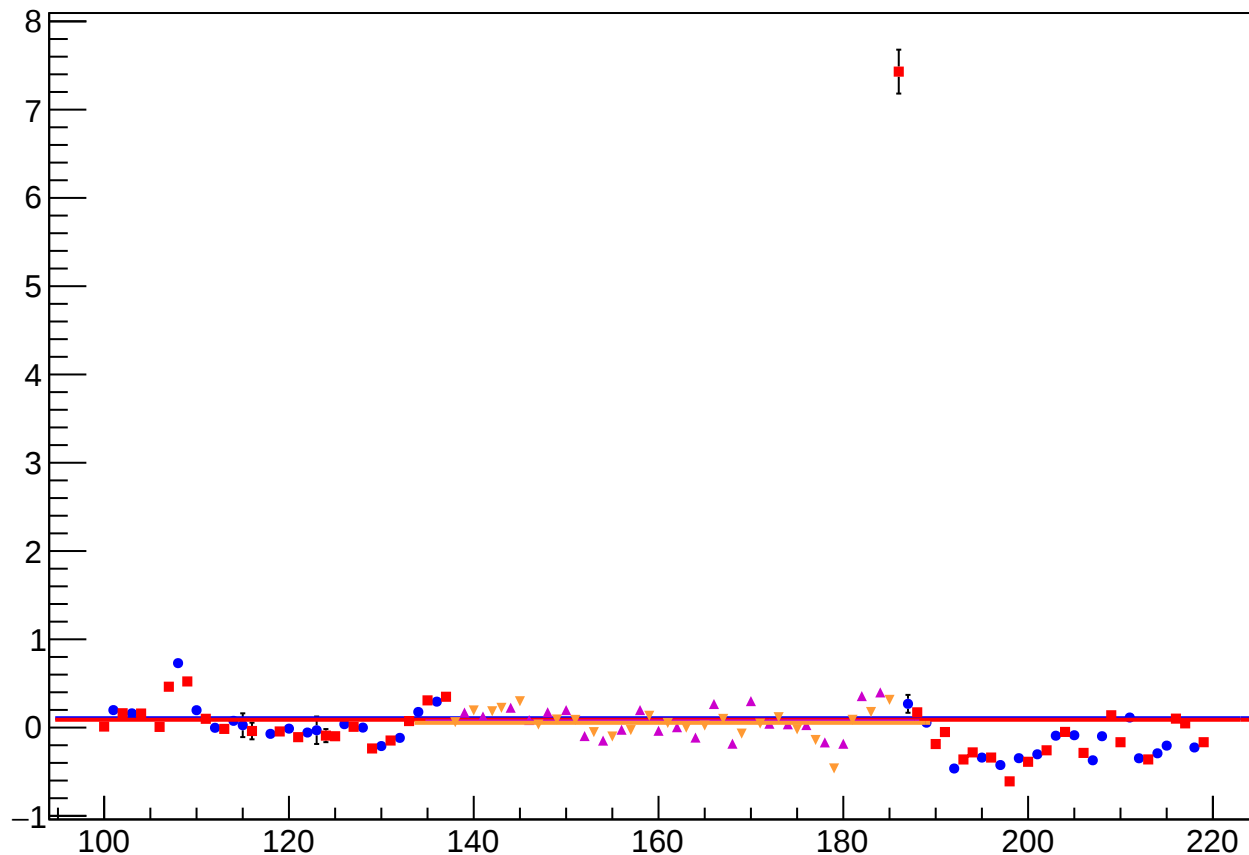
Left In: 48.744 ± 0.064 $\chi^2/\text{NDF}: 2097.7/22$

+ sign 28.627 ± 0.043 $\chi^2/\text{NDF}: 353610.7/57$

All: 29.692 ± 0.031 $\chi^2/\text{NDF}: 650320.8/117$

- sign 30.849 ± 0.045 $\chi^2/\text{NDF}: 295421.3/59$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.106+/-0.002 χ^2/NDF : 11998.4/32

Left Out: 0.054+/-0.003 χ^2/NDF : 2379.8/24

Right Out: 0.089+/-0.002 χ^2/NDF : 11152.9/36

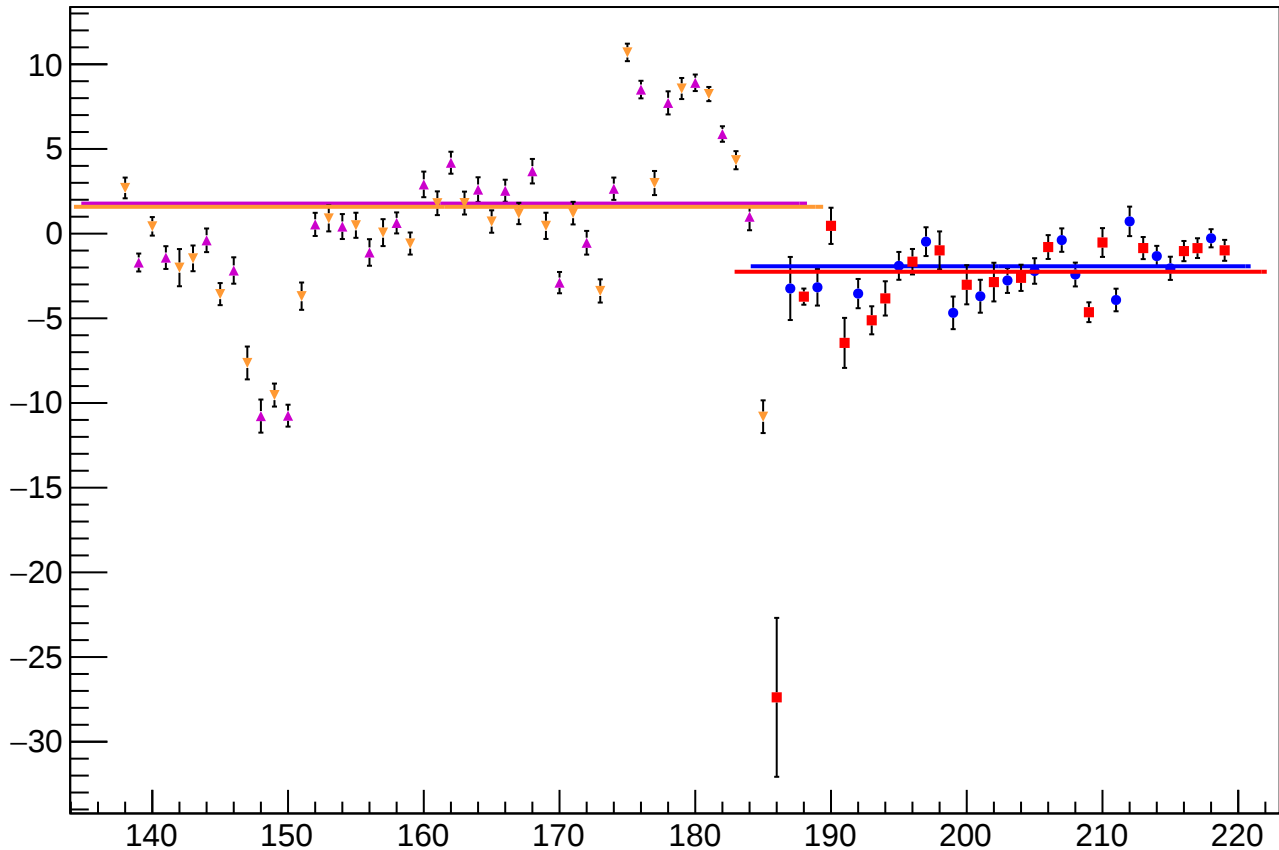
Left In: 0.070+/-0.003 χ^2/NDF : 3233.8/22

+ sign 0.084+/-0.002 χ^2/NDF : 14572.9/57

All: 0.083+/-0.001 χ^2/NDF : 28985.2/117

- sign 0.081+/-0.002 χ^2/NDF : 14411.4/59

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.928 ± 0.192 $\chi^2/\text{NDF}: 55.4/15$

Left Out: 1.584 ± 0.133 $\chi^2/\text{NDF}: 1458.8/24$

Right Out: -2.250 ± 0.180 $\chi^2/\text{NDF}: 113.8/17$

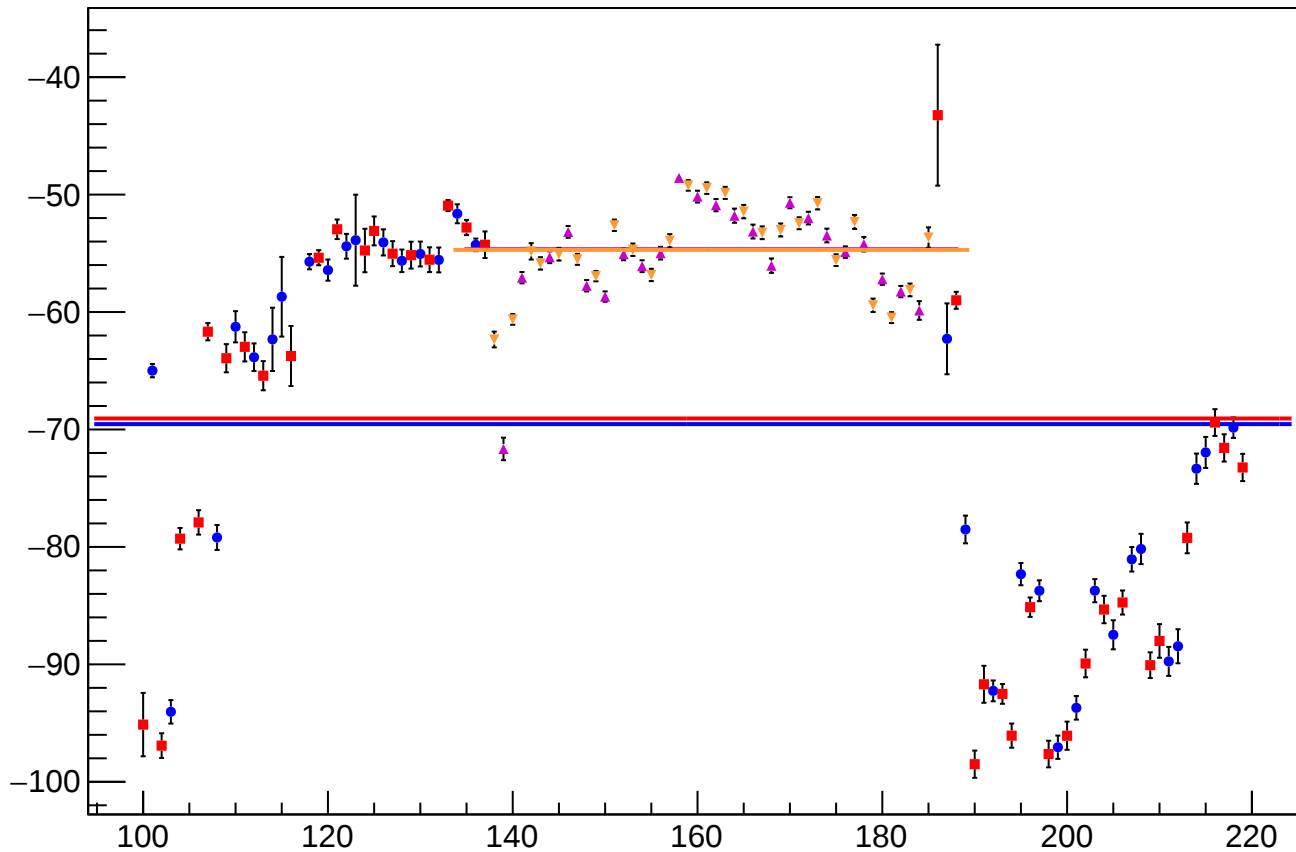
Left In: 1.774 ± 0.135 $\chi^2/\text{NDF}: 1297.3/22$

+ sign 0.449 ± 0.109 $\chi^2/\text{NDF}: 1740.6/40$

All: 0.383 ± 0.077 $\chi^2/\text{NDF}: 3473.0/81$

- sign 0.318 ± 0.108 $\chi^2/\text{NDF}: 1731.6/40$

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.544 ± 0.174 $\chi^2/\text{NDF}: 7335.2/32$

Left Out: -54.707 ± 0.106 $\chi^2/\text{NDF}: 1126.0/24$

Right Out: -69.066 ± 0.164 $\chi^2/\text{NDF}: 10393.1/36$

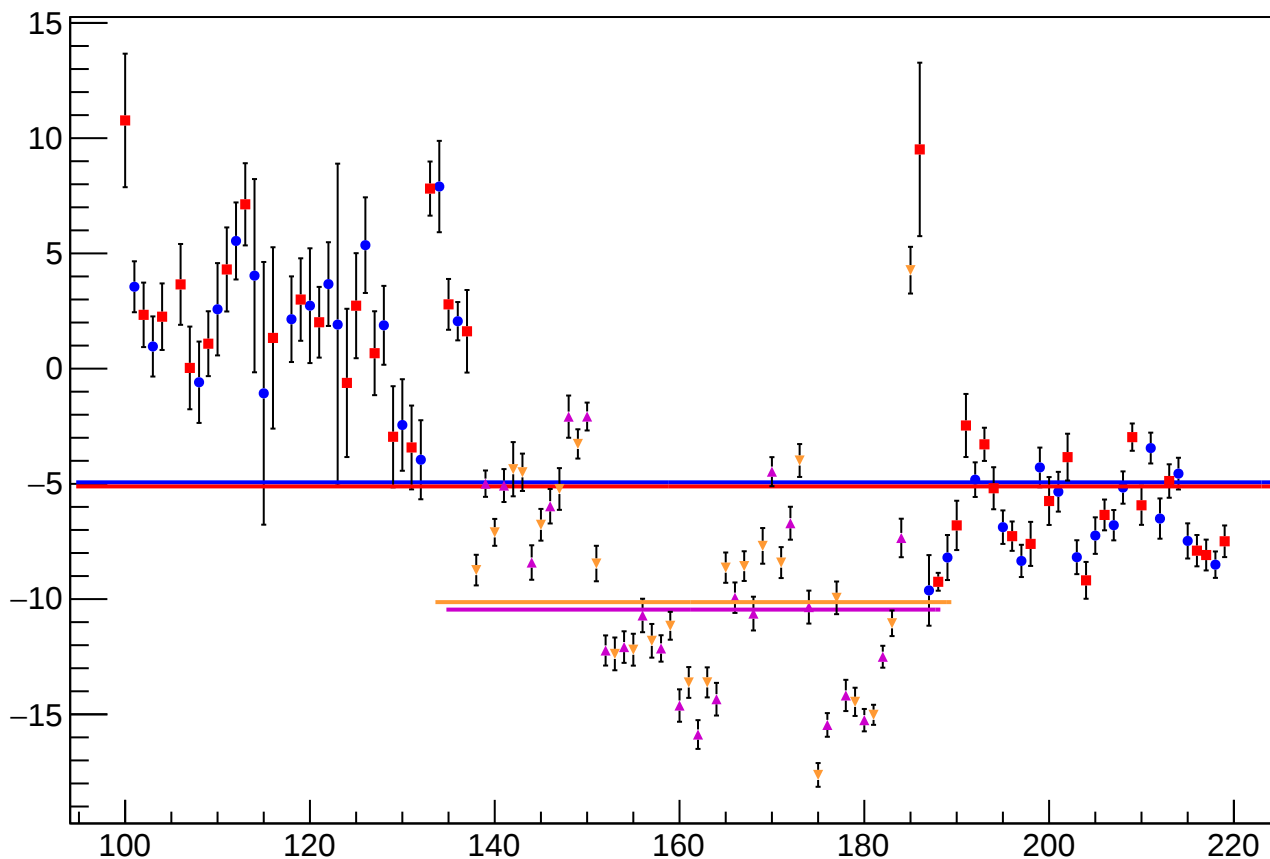
Left In: -54.650 ± 0.110 $\chi^2/\text{NDF}: 1077.1/22$

+ sign -58.707 ± 0.090 $\chi^2/\text{NDF}: 13773.7/57$

All: -58.906 ± 0.064 $\chi^2/\text{NDF}: 30587.2/117$

- sign -59.109 ± 0.091 $\chi^2/\text{NDF}: 16803.7/59$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -4.934 ± 0.171 χ^2/NDF : 492.9/32

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -5.111 ± 0.158 χ^2/NDF : 722.0/36

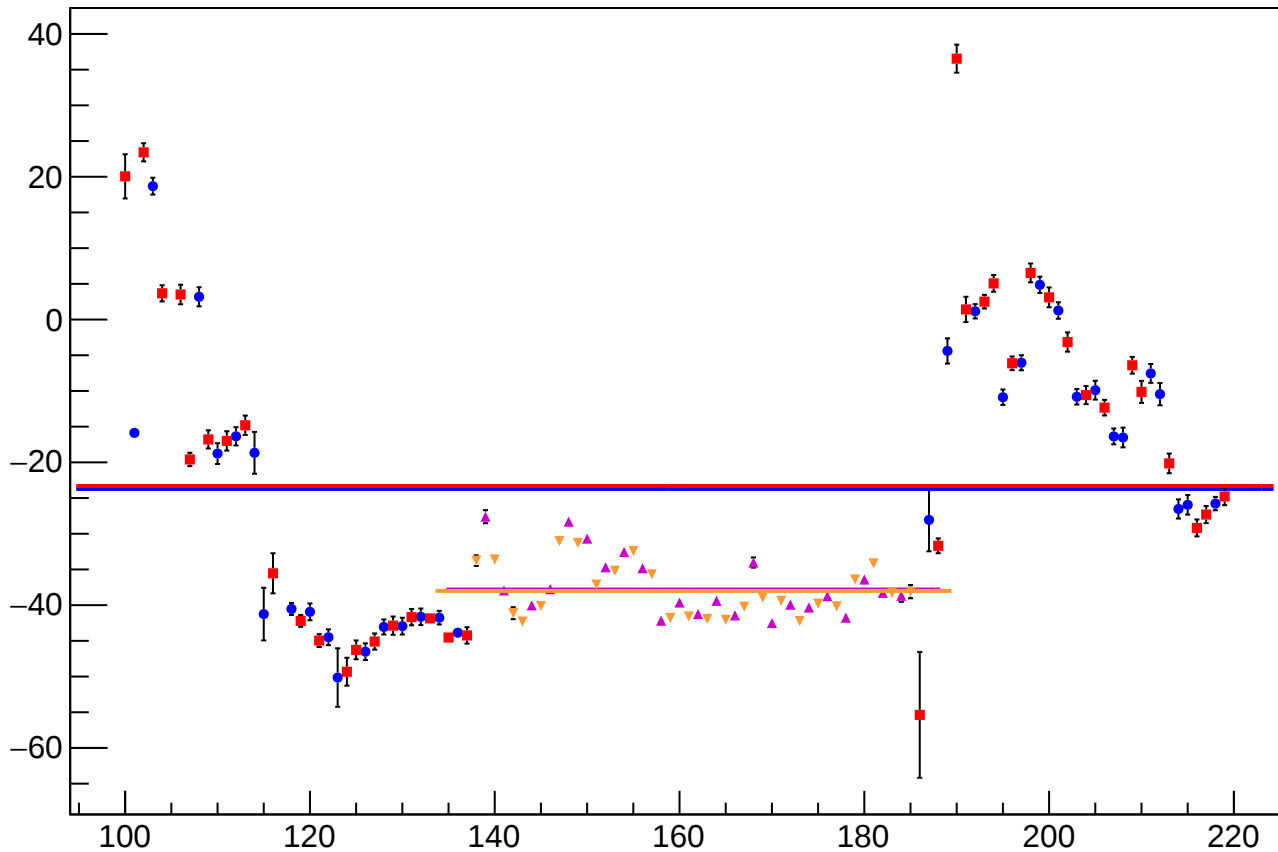
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.178 ± 0.105 χ^2/NDF : 2124.0/57

All: -8.197 ± 0.073 χ^2/NDF : 4509.4/117

- sign -8.215 ± 0.103 χ^2/NDF : 2385.3/59

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.721 ± 0.197 $\chi^2/\text{NDF}: 8674.2/32$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -23.314 ± 0.189 $\chi^2/\text{NDF}: 11929.9/36$

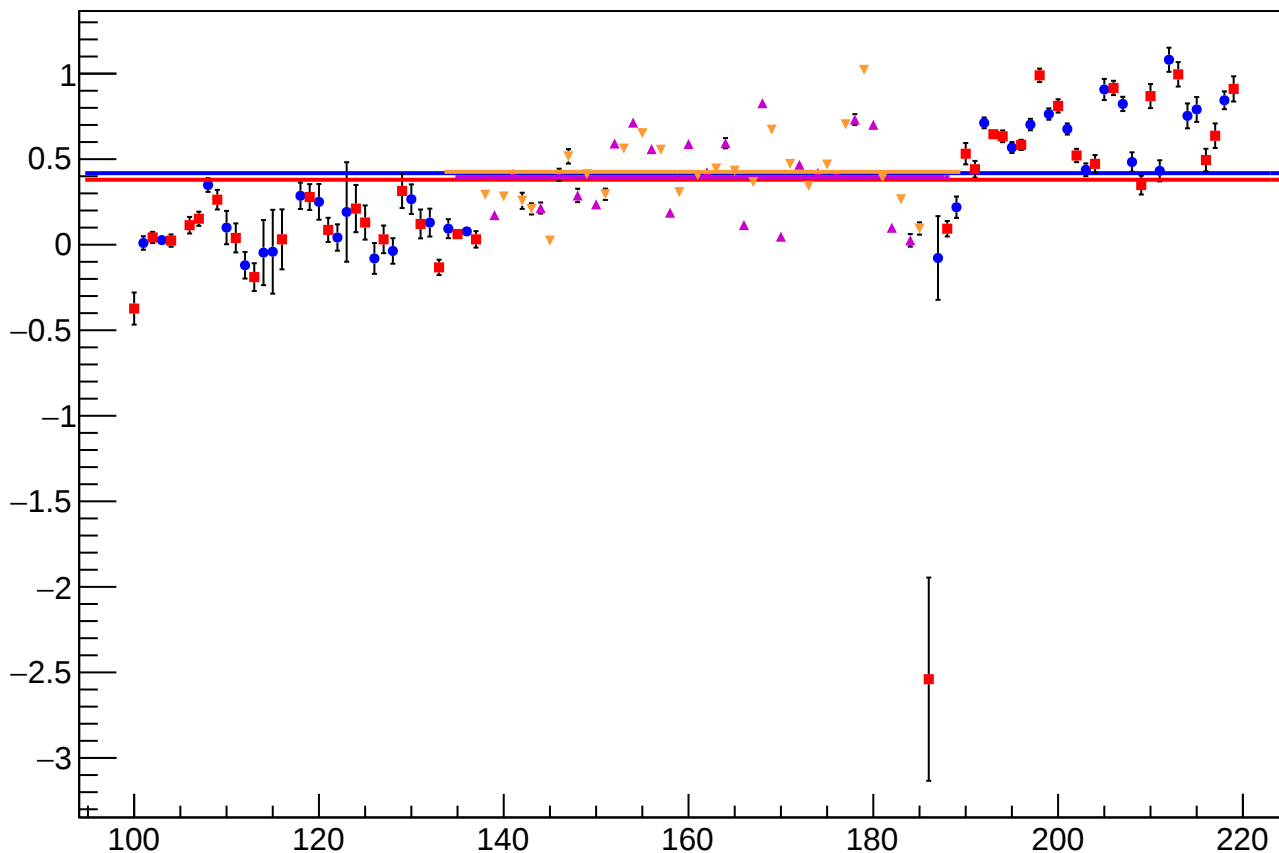
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -34.190 ± 0.102 $\chi^2/\text{NDF}: 13487.0/57$

All: -33.861 ± 0.072 $\chi^2/\text{NDF}: 30629.9/117$

- sign -33.525 ± 0.103 $\chi^2/\text{NDF}: 17121.7/59$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.418 $\pm$ 0.008 χ^2 /NDF: 1470.8/32

Left Out: 0.426 $\pm$ 0.005 χ^2 /NDF:1303.7/24

Right Out: 0.380 $\pm$ 0.008 χ^2 /NDF: 1776.3/36

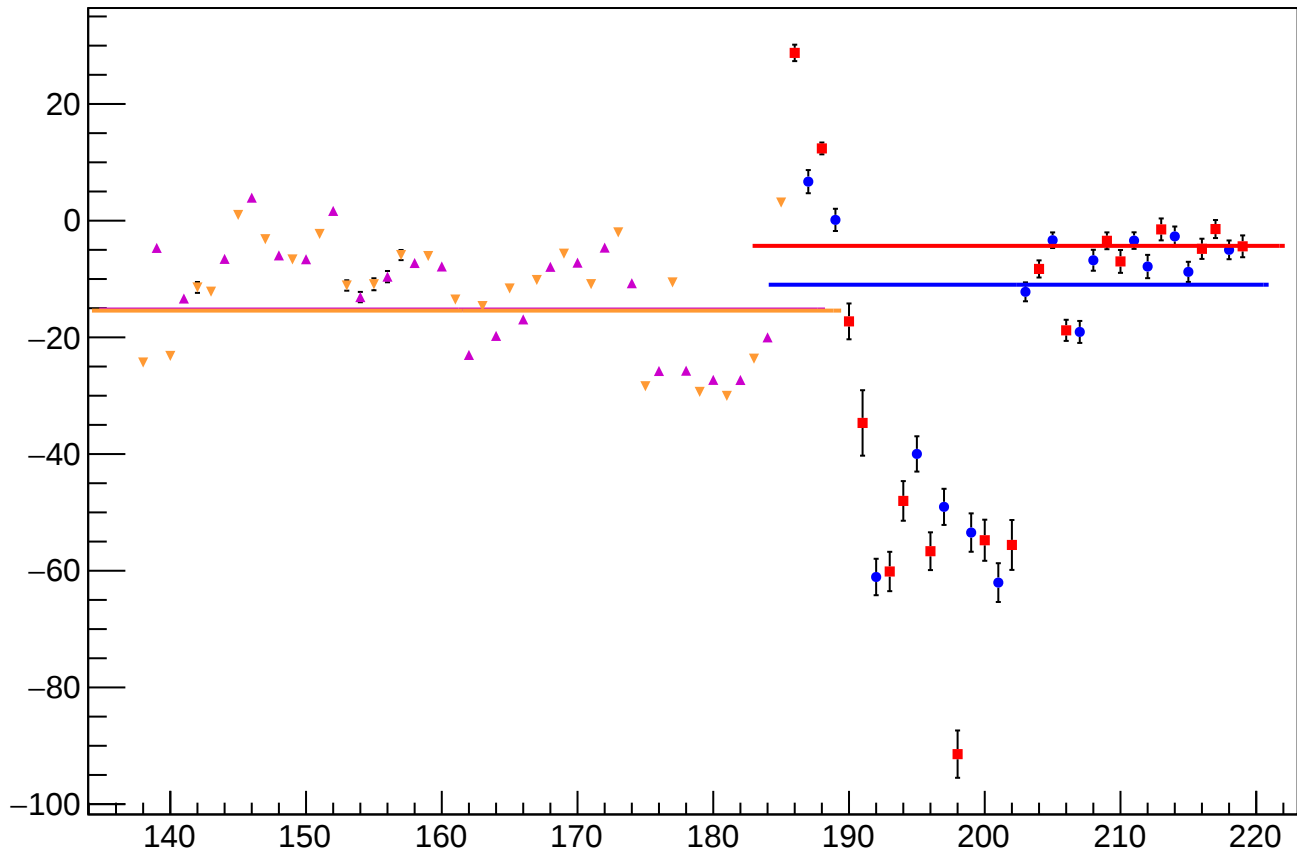
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.424 $\pm$ 0.005 χ^2 /NDF: 2775.1/57

All: 0.407 $\pm$ 0.003 χ^2 /NDF: 6379.2/117

- sign 0.390 $\pm$ 0.005 χ^2 /NDF: 3576.9/59

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -10.977 ± 0.478 $\chi^2/\text{NDF}: 1143.6/15$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: -4.317 ± 0.451 $\chi^2/\text{NDF}: 2460.5/17$

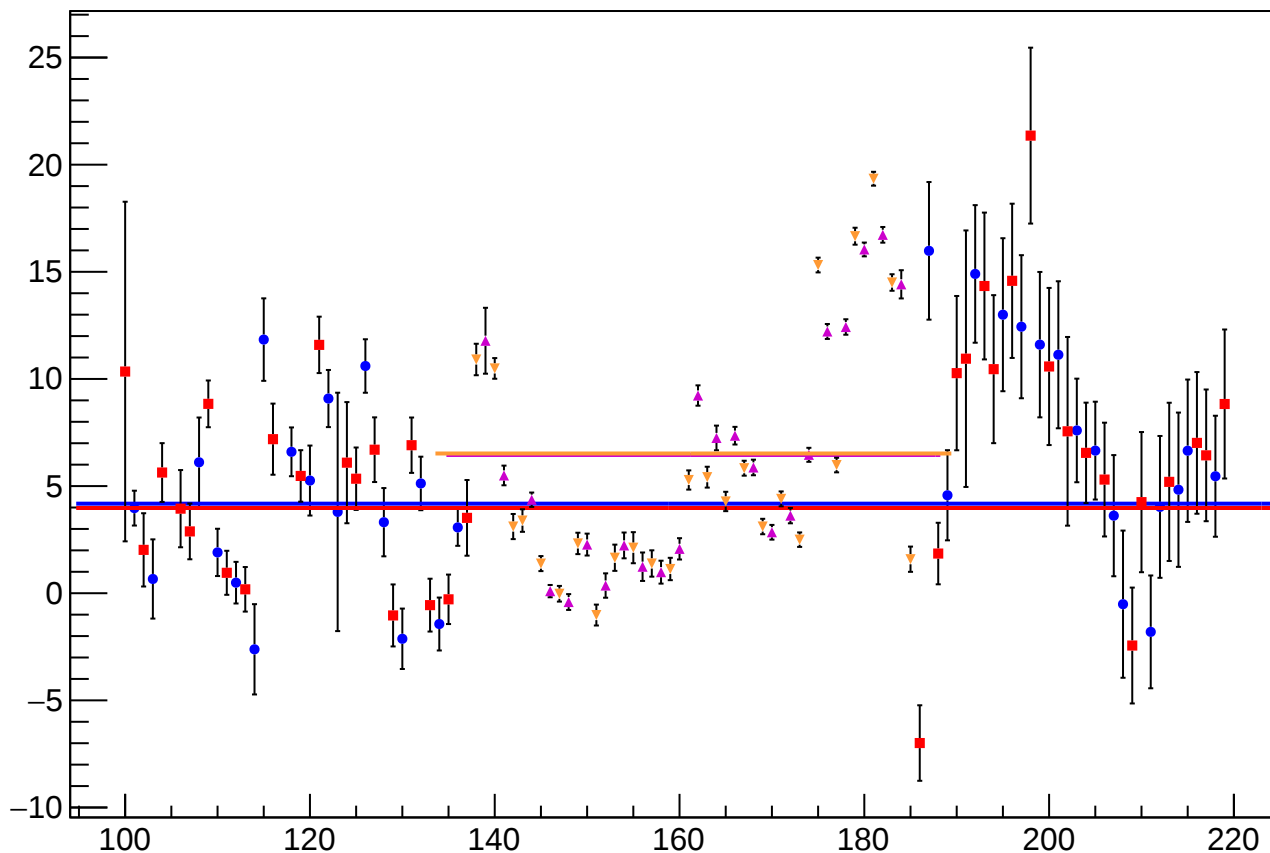
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.208 ± 0.103 $\chi^2/\text{NDF}: 11734.8/40$

All: -14.932 ± 0.073 $\chi^2/\text{NDF}: 23421.3/81$

- sign -14.651 ± 0.104 $\chi^2/\text{NDF}: 11672.0/40$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.179 ± 0.286 χ^2/NDF : 194.5/32

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.978 ± 0.286 χ^2/NDF : 232.9/36

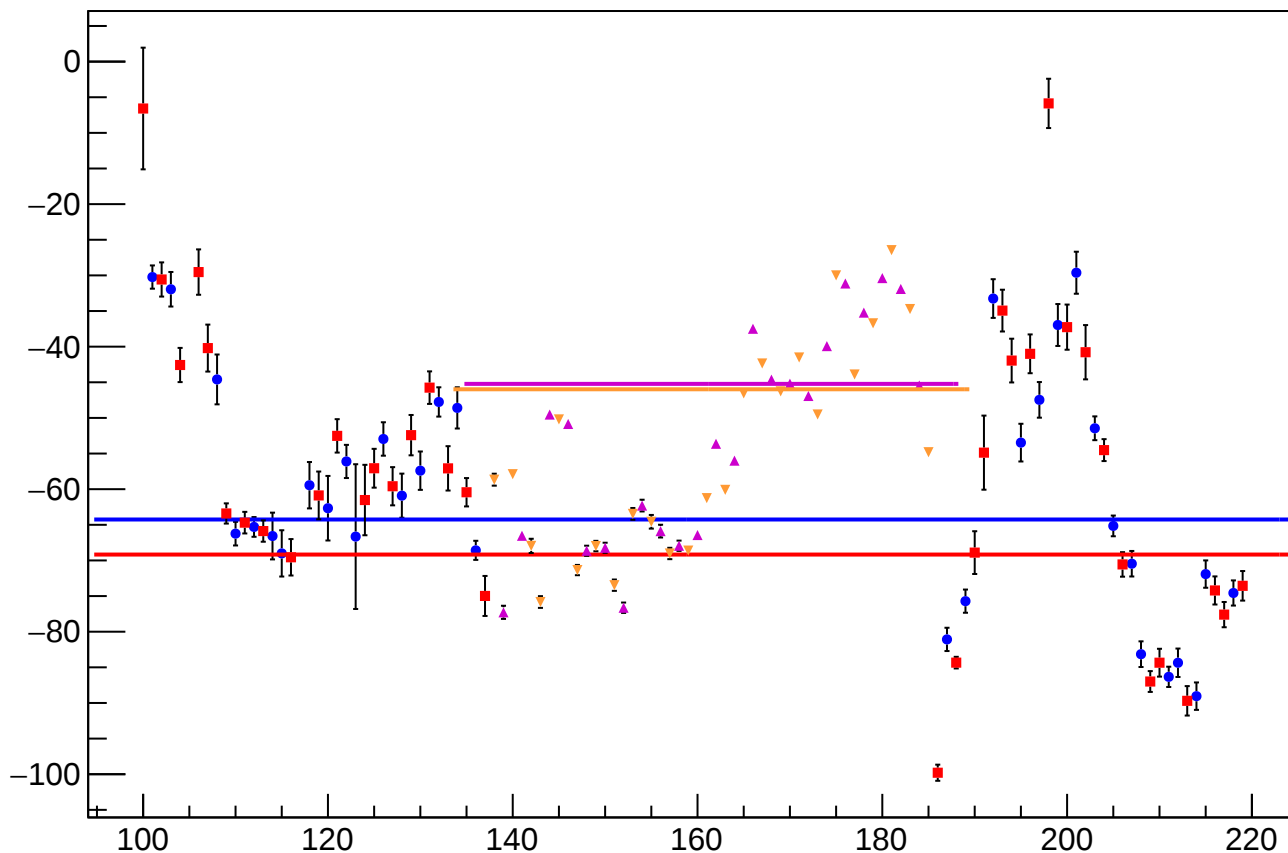
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.330 ± 0.082 χ^2/NDF : 5241.1/57

All: 6.288 ± 0.058 χ^2/NDF : 9491.2/117

- sign 6.246 ± 0.082 χ^2/NDF : 4249.6/59

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -64.255 $\pm$ 0.357 χ^2 /NDF: 2109.6/32

Left Out: -45.982 $\pm$ 0.106 χ^2 /NDF:17360.1/24

Right Out: -69.174 $\pm$ 0.333 χ^2 /NDF: 3298.7/36

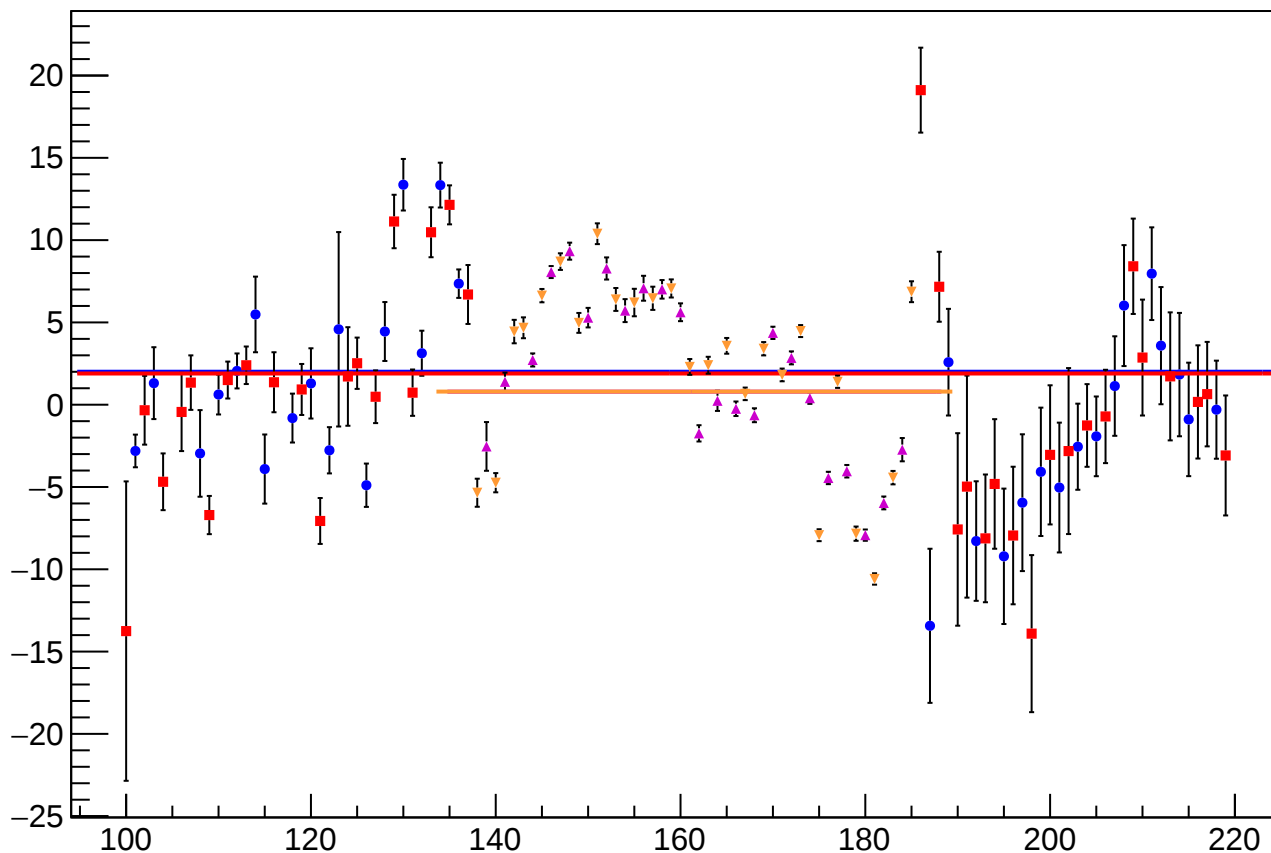
Left In: -45.222 $\pm$ 0.107 χ^2 /NDF:15600.2/22

+ sign -47.471 $\pm$ 0.102 χ^2 /NDF: 21879.5/57

All: -47.473 $\pm$ 0.072 χ^2 /NDF: 45476.5/117

- sign -47.476 $\pm$ 0.102 χ^2 /NDF: 23597.0/59

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.004 ± 0.321 χ^2/NDF : 292.9/32

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 1.896 ± 0.325 χ^2/NDF : 357.1/36

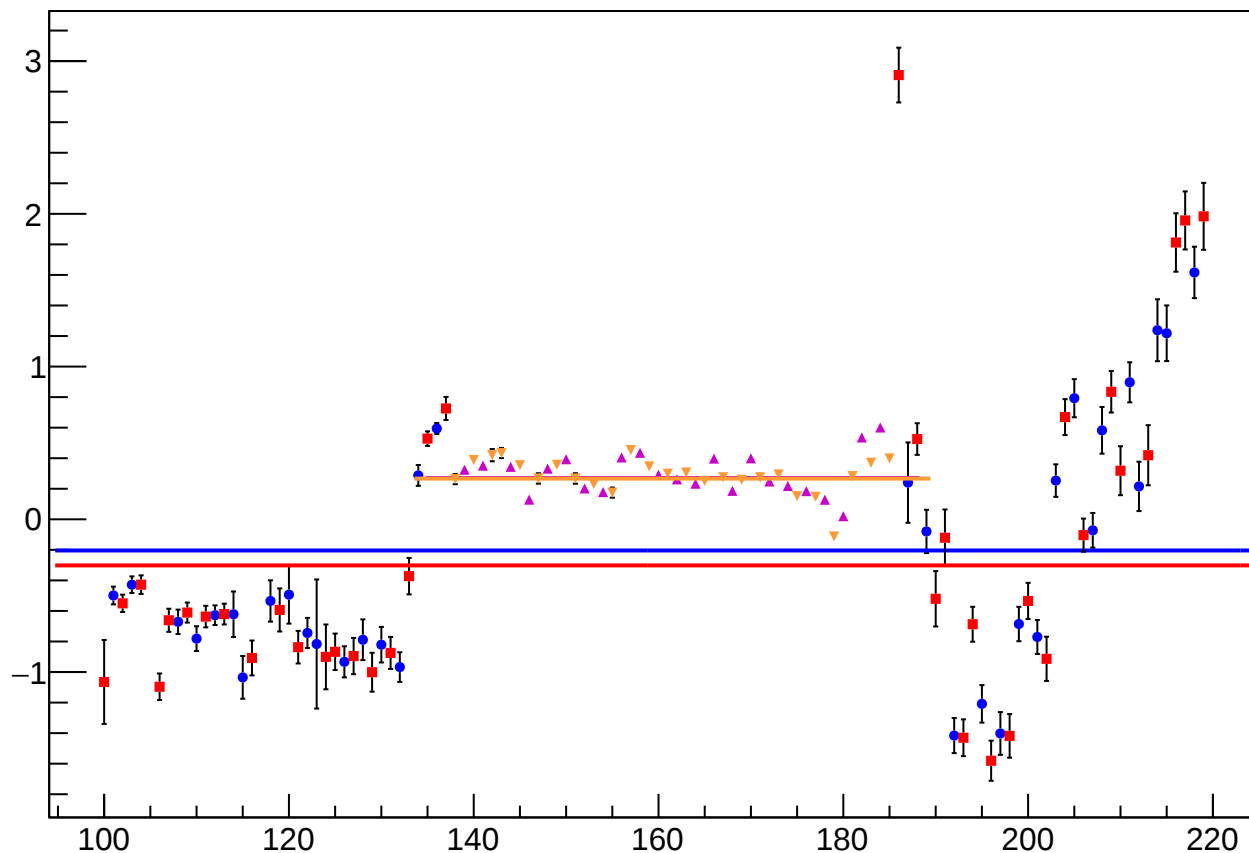
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.896 ± 0.092 χ^2/NDF : 4065.8/57

All: 0.889 ± 0.065 χ^2/NDF : 7126.0/117

- sign 0.882 ± 0.093 χ^2/NDF : 3060.2/59

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.204 ± 0.017 χ^2/NDF : 1673.9/32

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.302 ± 0.016 χ^2/NDF : 2072.5/36

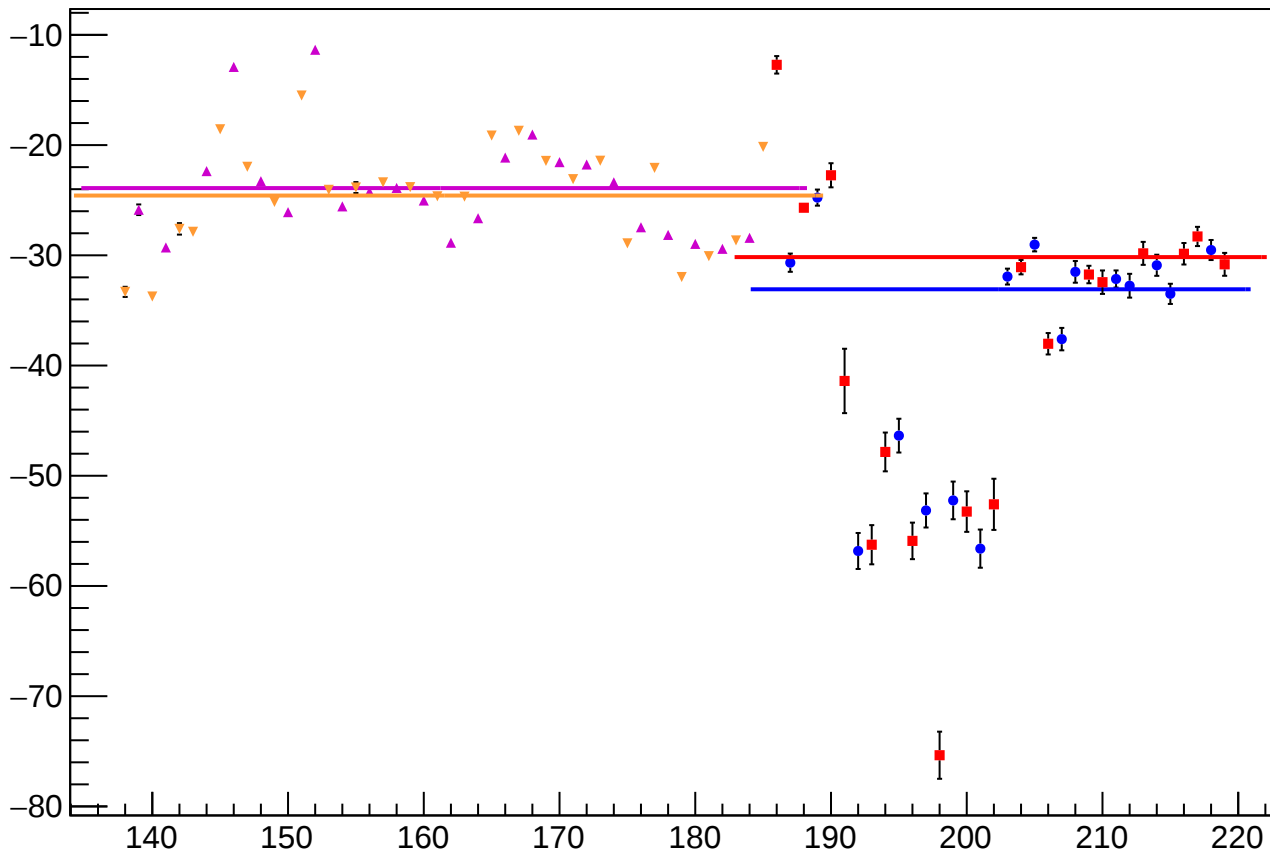
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.236 ± 0.004 χ^2/NDF : 3133.2/57

All: 0.234 ± 0.003 χ^2/NDF : 7298.8/117

- sign 0.232 ± 0.004 χ^2/NDF : 4165.2/59

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.082 ± 0.237 χ^2/NDF : 993.8/15

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -30.162 ± 0.225 χ^2/NDF : 1988.6/17

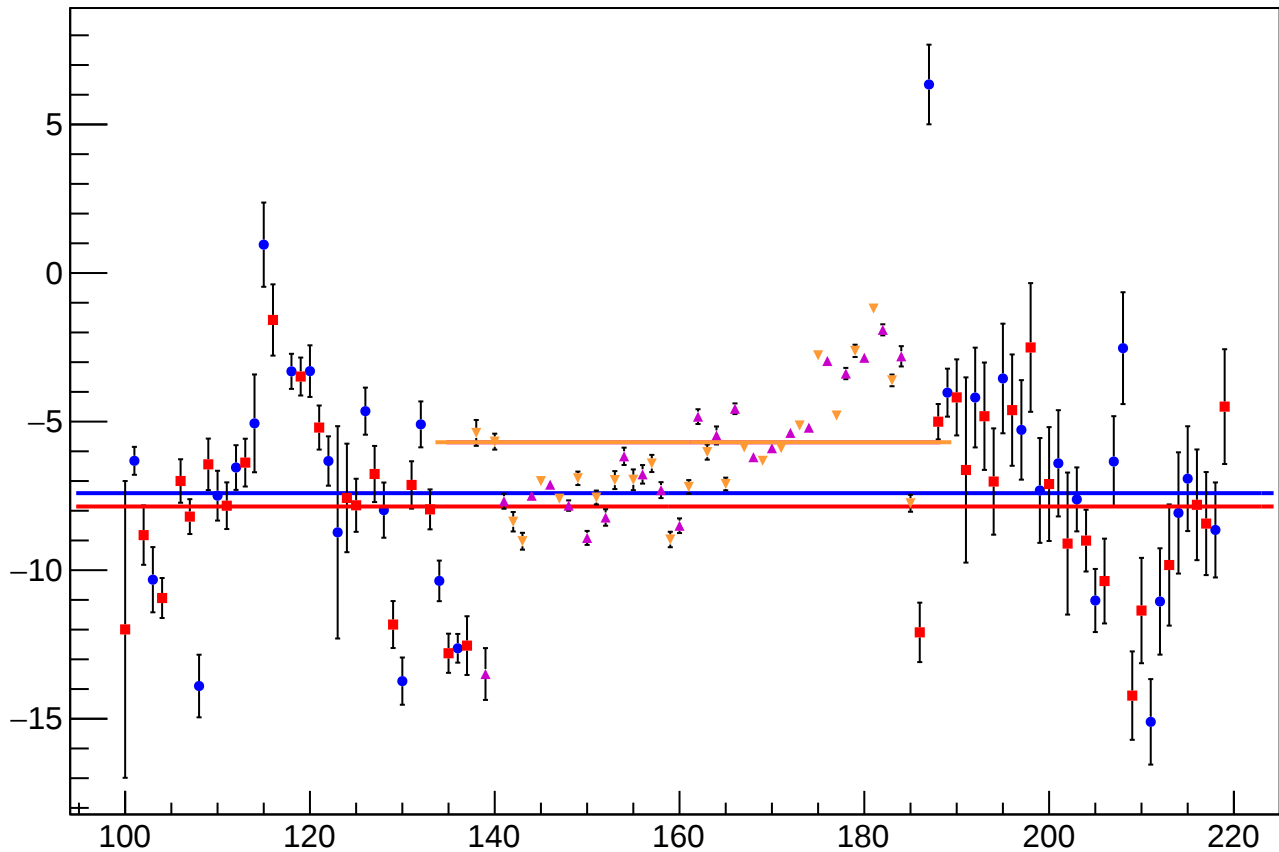
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.953 ± 0.050 χ^2/NDF : 10815.4/40

All: -24.580 ± 0.035 χ^2/NDF : 22805.8/81

- sign -24.207 ± 0.050 χ^2/NDF : 11878.4/40

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.408 ± 0.166 χ^2/NDF : 566.4/32

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.857 ± 0.162 χ^2/NDF : 316.1/36

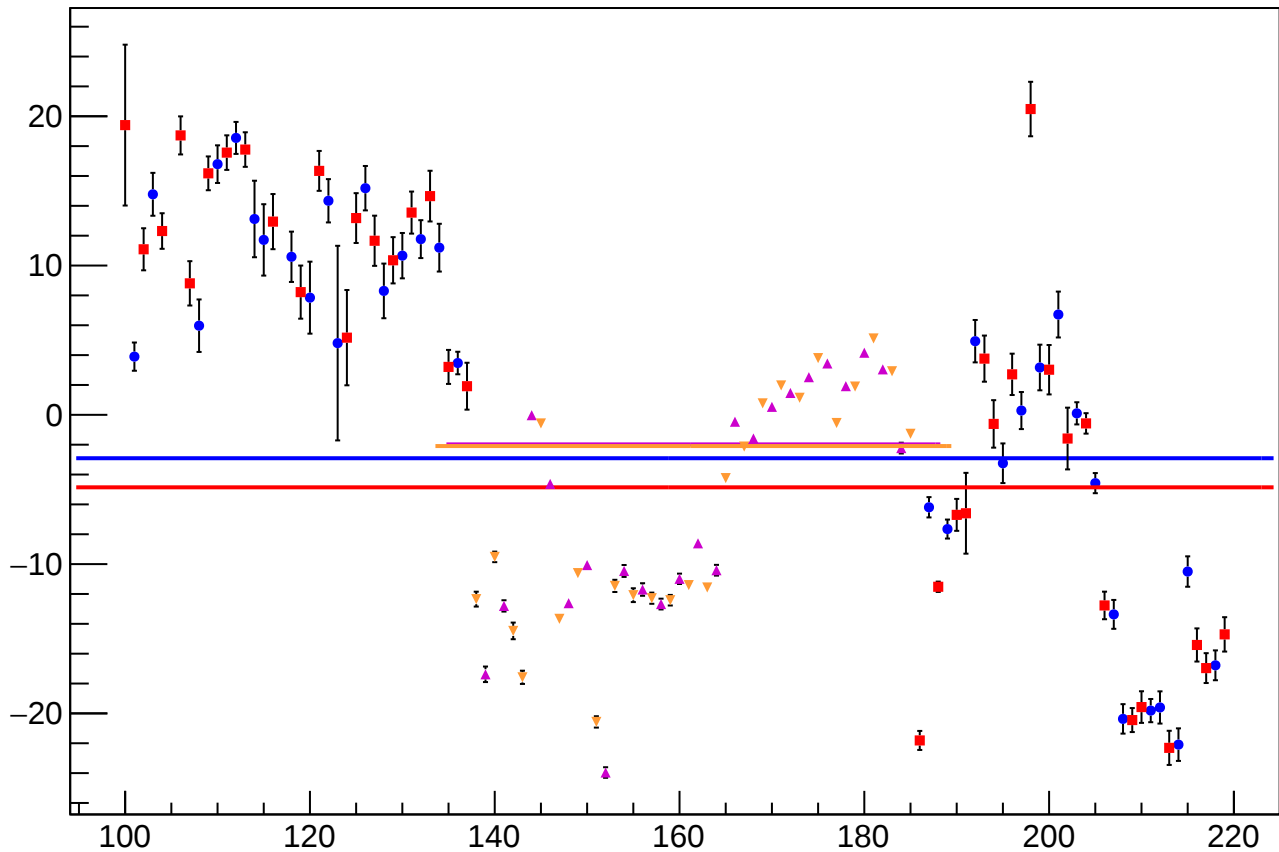
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.793 ± 0.040 χ^2/NDF : 2925.4/57

All: -5.810 ± 0.028 χ^2/NDF : 5719.7/117

- sign -5.826 ± 0.040 χ^2/NDF : 2793.9/59

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -2.907 ± 0.191 χ^2/NDF : 3617.9/32

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -4.857 ± 0.176 χ^2/NDF : 5566.8/36

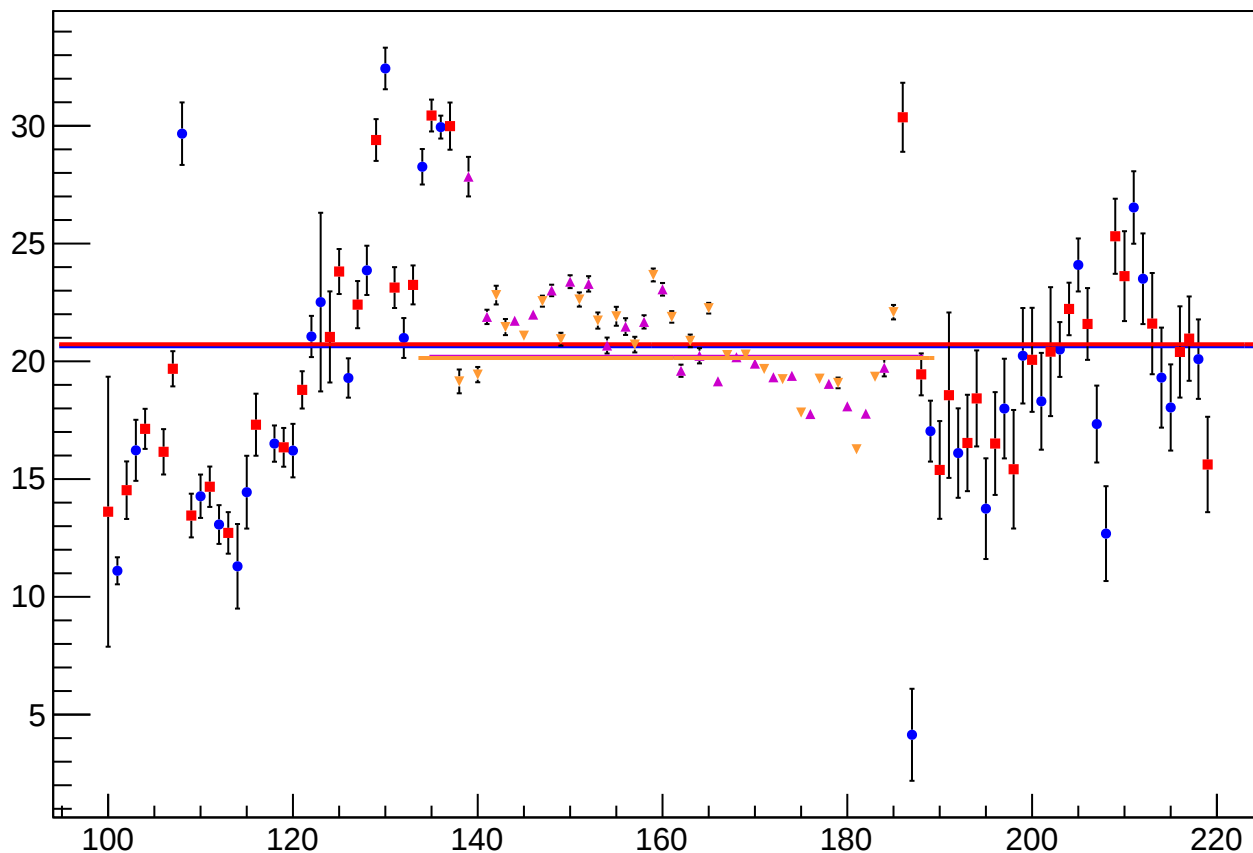
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -2.147 ± 0.050 χ^2/NDF : 19940.1/57

All: -2.176 ± 0.035 χ^2/NDF : 41135.1/117

- sign -2.204 ± 0.049 χ^2/NDF : 21194.3/59

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.640 $\pm$ 0.188 χ^2 /NDF: 1359.7/32

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.724 $\pm$ 0.188 χ^2 /NDF: 807.0/36

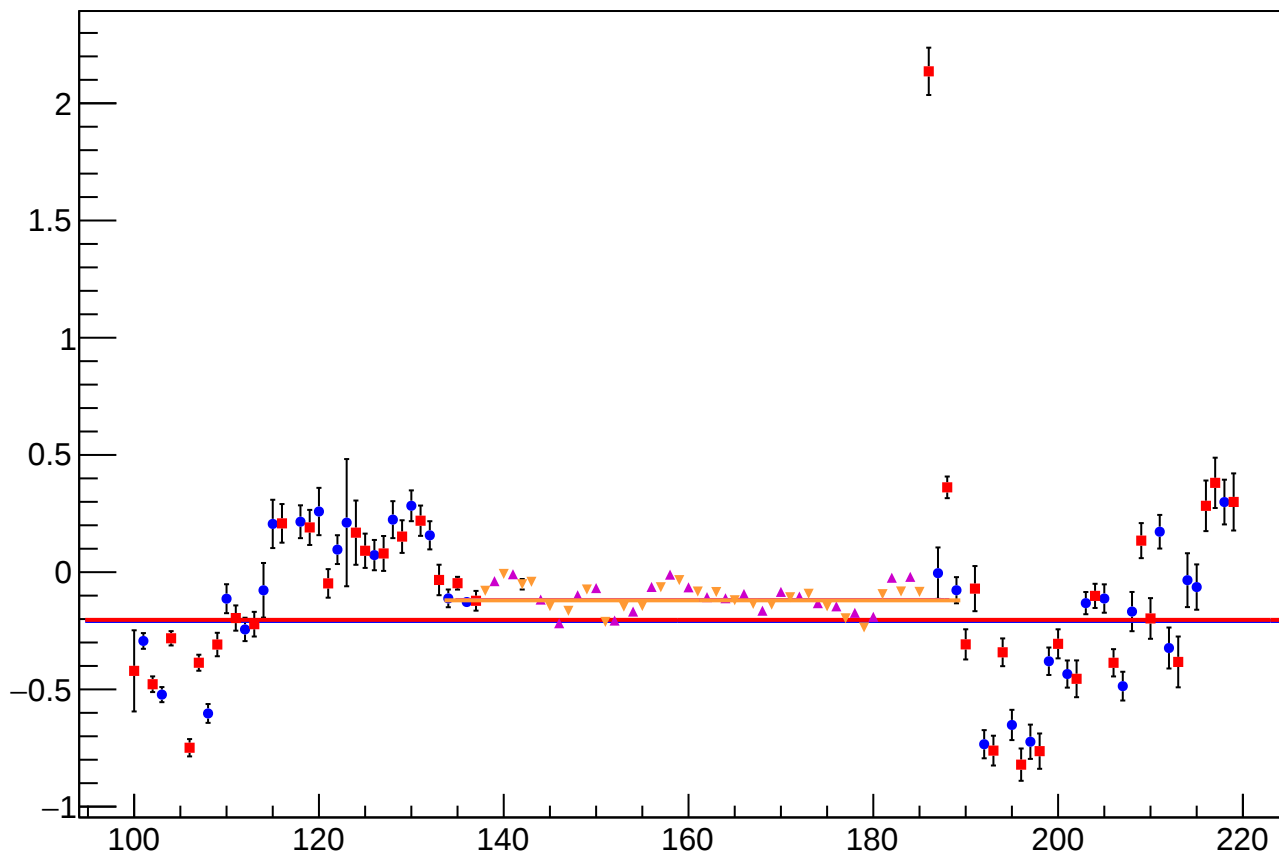
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.169 $\pm$ 0.045 χ^2 /NDF: 2785.4/57

All: 20.196 $\pm$ 0.032 χ^2 /NDF: 5048.0/117

- sign 20.224 $\pm$ 0.045 χ^2 /NDF: 2261.9/59

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.208 ± 0.009 $\chi^2/\text{NDF}: 762.4/32$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 530.4/24$

Right Out: -0.203 ± 0.009 $\chi^2/\text{NDF}: 1563.1/36$

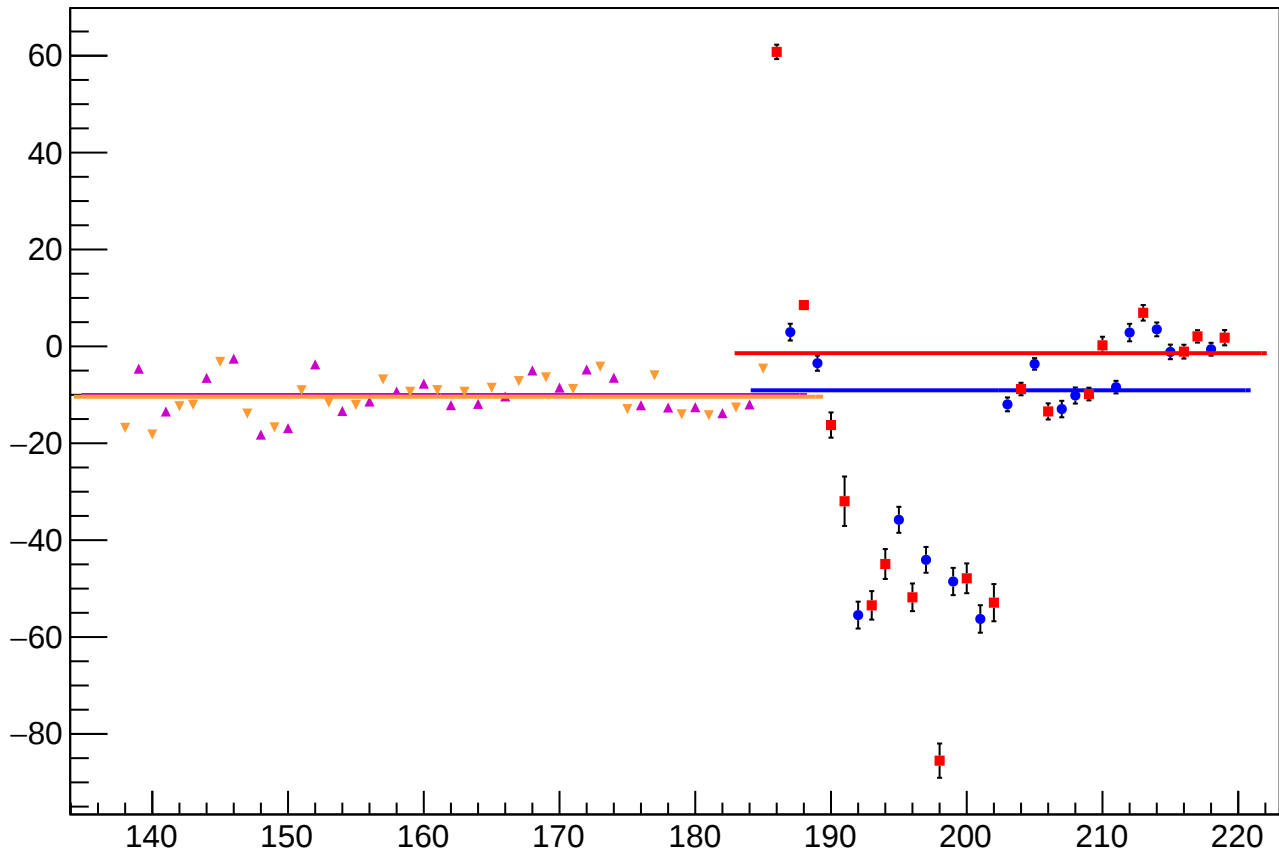
Left In: -0.119 ± 0.002 $\chi^2/\text{NDF}: 721.8/22$

+ sign -0.124 ± 0.002 $\chi^2/\text{NDF}: 1376.9/57$

All: -0.124 ± 0.001 $\chi^2/\text{NDF}: 3743.0/117$

- sign -0.123 ± 0.002 $\chi^2/\text{NDF}: 2365.9/59$

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -9.068 ± 0.419 $\chi^2/\text{NDF}: 1305.4/15$

Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$

Right Out: -1.405 ± 0.398 $\chi^2/\text{NDF}: 3914.2/17$

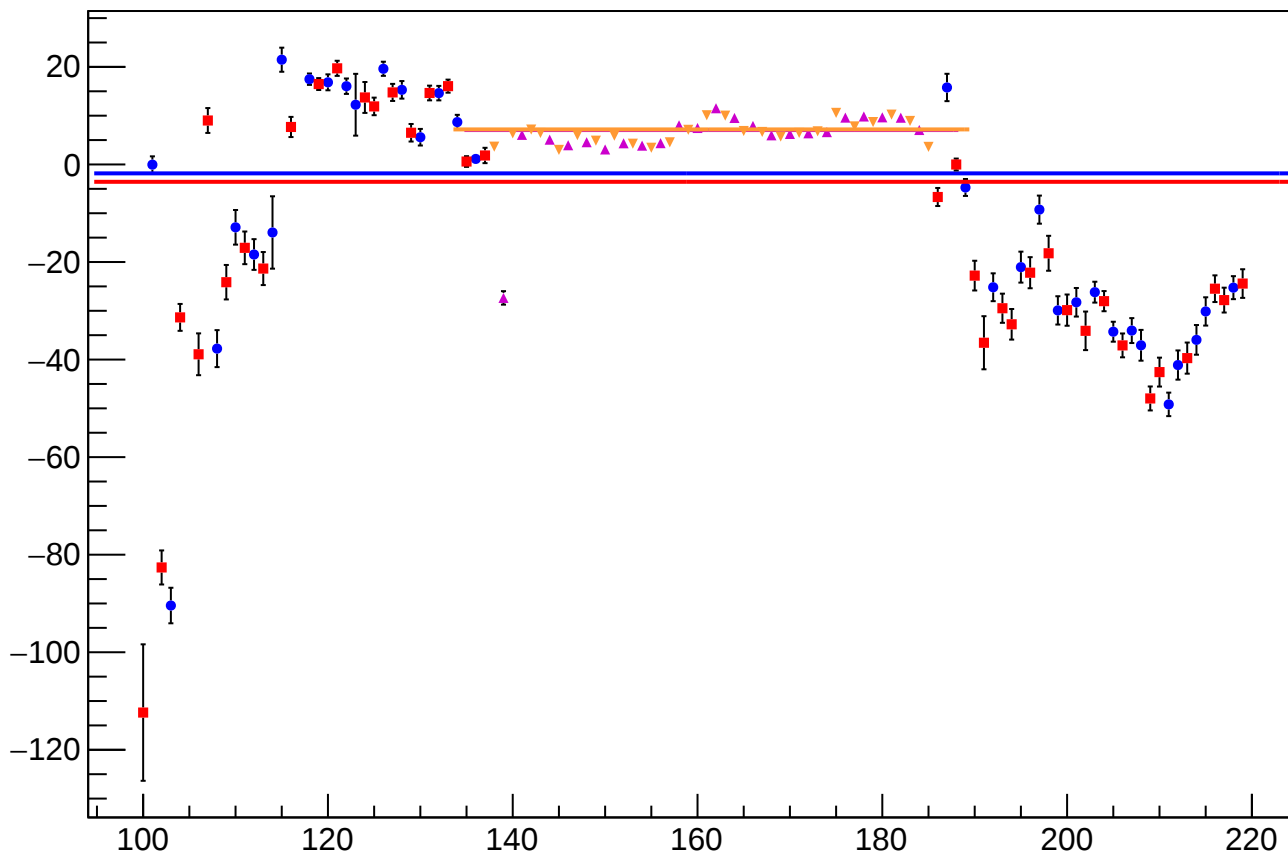
Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.335 ± 0.086 $\chi^2/\text{NDF}: 3426.5/40$

All: -9.983 ± 0.061 $\chi^2/\text{NDF}: 9582.0/81$

- sign -9.619 ± 0.087 $\chi^2/\text{NDF}: 6121.4/40$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -1.826 ± 0.344 χ^2/NDF : 3736.7/32

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: -3.557 ± 0.351 χ^2/NDF : 3591.1/36

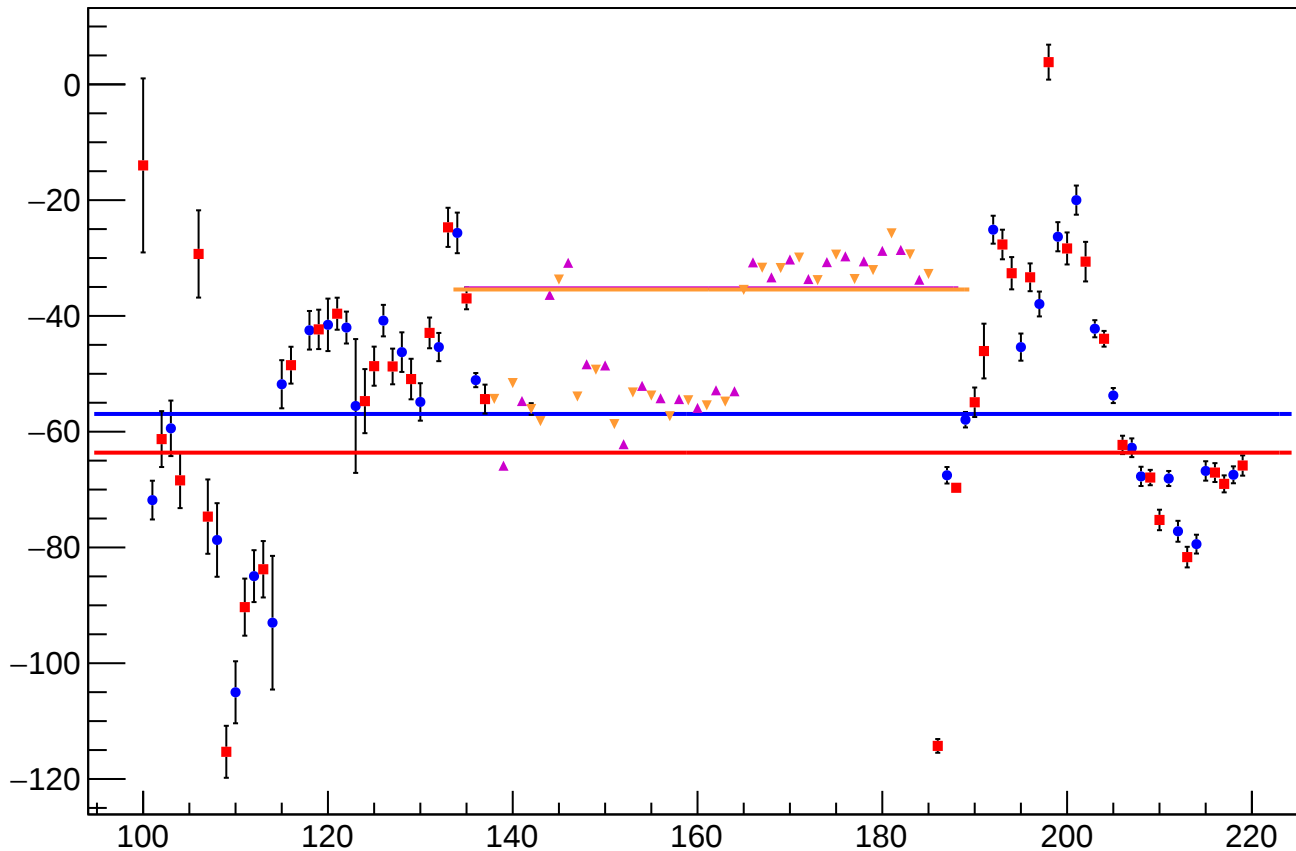
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 6.790 ± 0.072 χ^2/NDF : 5311.9/57

All: 6.695 ± 0.051 χ^2/NDF : 11318.4/117

- sign 6.598 ± 0.073 χ^2/NDF : 6002.9/59

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -56.937 ± 0.362 $\chi^2/\text{NDF}: 1725.1/32$

Left Out: -35.434 ± 0.089 $\chi^2/\text{NDF}: 12782.8/24$

Right Out: -63.622 ± 0.340 $\chi^2/\text{NDF}: 4362.3/36$

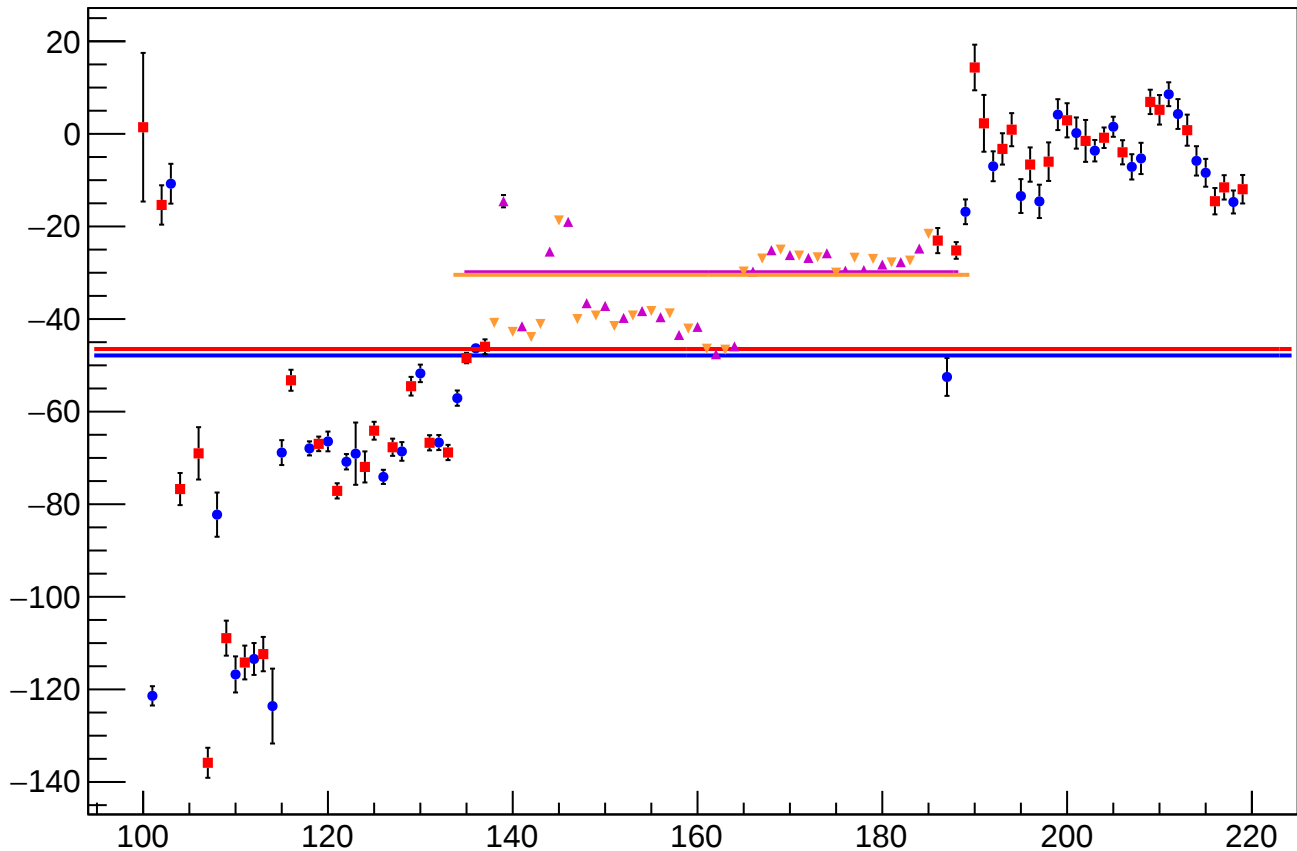
Left In: -35.229 ± 0.090 $\chi^2/\text{NDF}: 11602.9/22$

+ sign -36.663 ± 0.086 $\chi^2/\text{NDF}: 17842.1/57$

All: -36.875 ± 0.061 $\chi^2/\text{NDF}: 40331.1/117$

- sign -37.091 ± 0.087 $\chi^2/\text{NDF}: 22476.9/59$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -47.868 ± 0.383 $\chi^2/\text{NDF}: 6669.3/32$

Left Out: -30.448 ± 0.082 $\chi^2/\text{NDF}: 8167.7/24$

Right Out: -46.465 ± 0.400 $\chi^2/\text{NDF}: 6241.9/36$

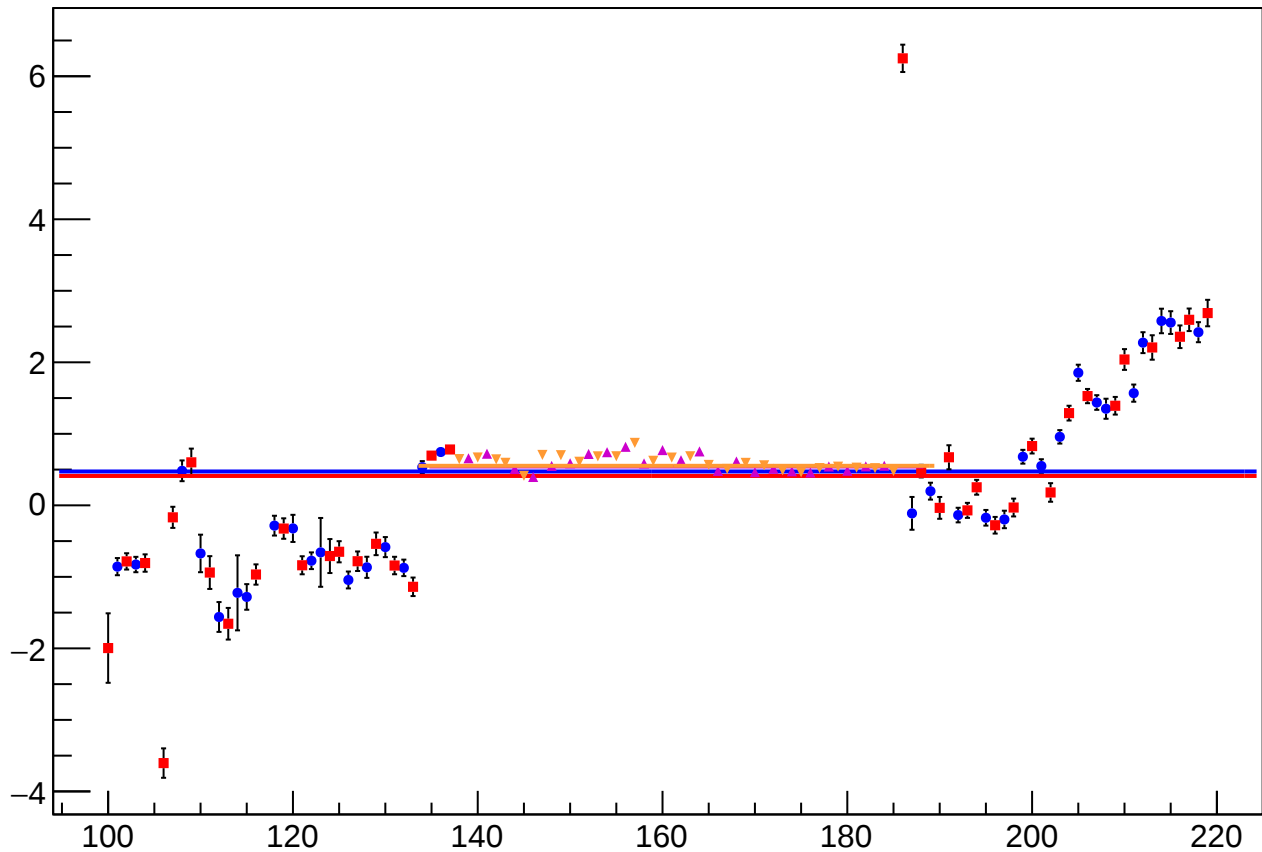
Left In: -29.892 ± 0.083 $\chi^2/\text{NDF}: 7115.0/22$

+ sign -31.204 ± 0.080 $\chi^2/\text{NDF}: 16817.4/57$

All: -30.891 ± 0.057 $\chi^2/\text{NDF}: 31853.5/117$

- sign -30.570 ± 0.081 $\chi^2/\text{NDF}: 15005.0/59$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.474 $\pm$ 0.019 χ^2 /NDF: 2337.6/32

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF: 542.1/24

Right Out: 0.411 $\pm$ 0.020 χ^2 /NDF: 3504.3/36

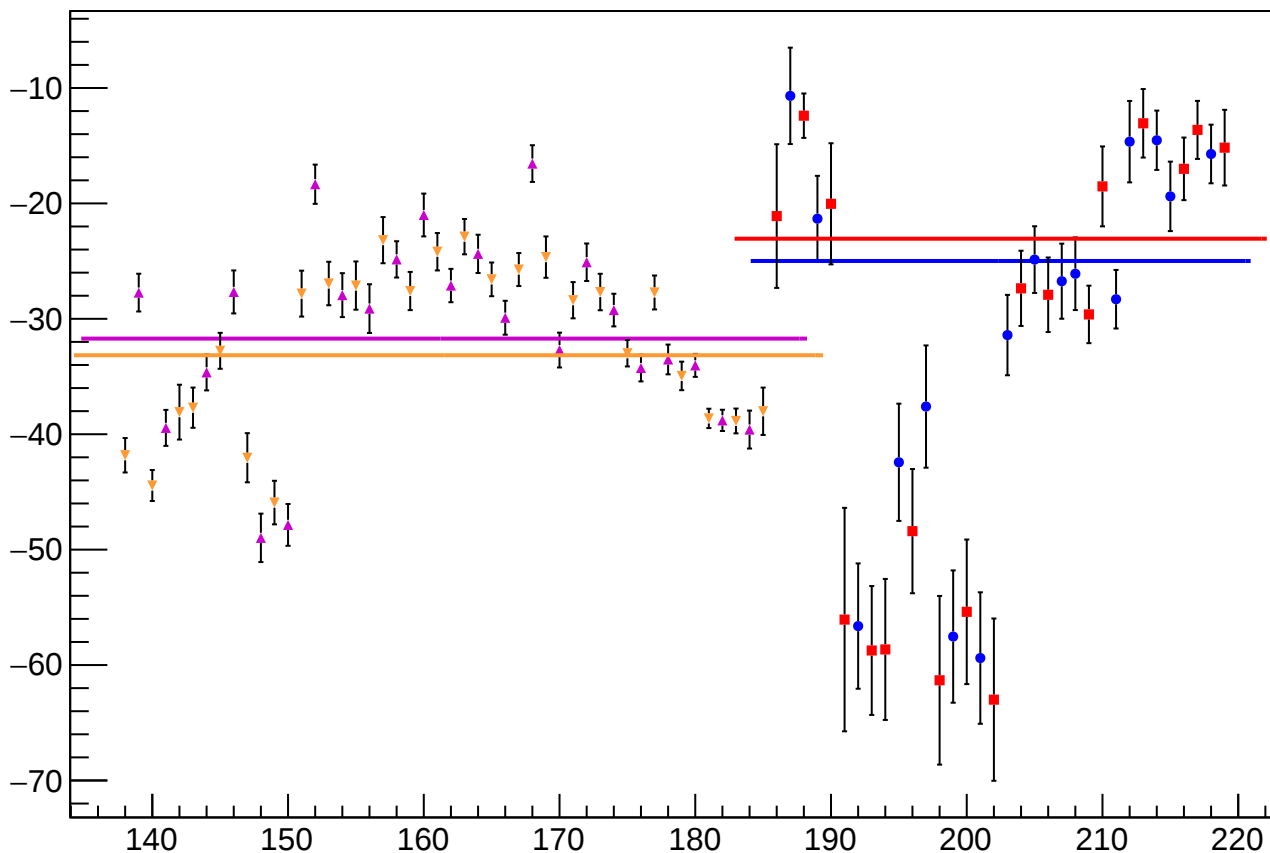
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF: 655.9/22

+ sign 0.550 $\pm$ 0.004 χ^2 /NDF: 2897.0/57

All: 0.544 $\pm$ 0.003 χ^2 /NDF: 7105.9/117

- sign 0.539 $\pm$ 0.004 χ^2 /NDF: 4204.5/59

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -24.989 ± 0.861 χ^2/NDF : 180.3/15

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -23.058 ± 0.834 χ^2/NDF : 274.9/17

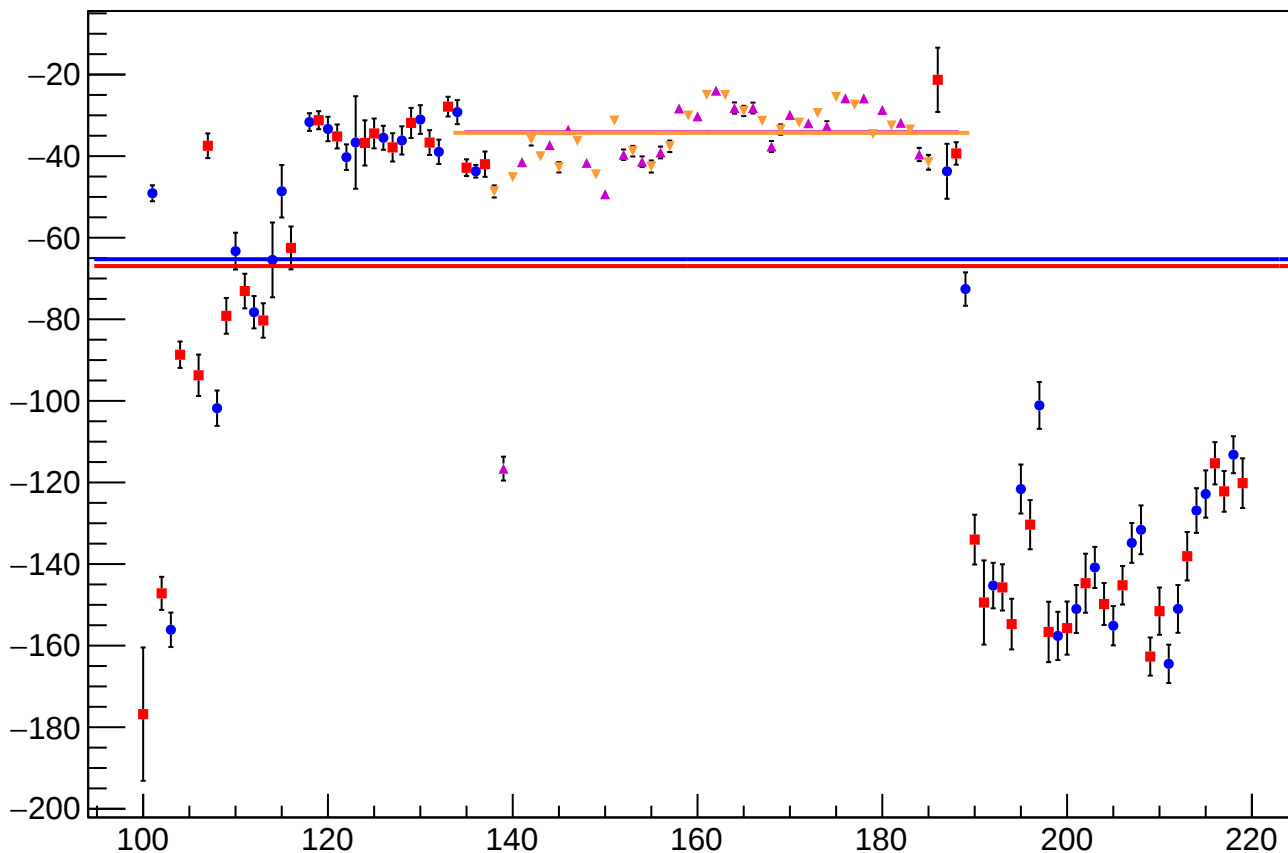
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -32.271 ± 0.283 χ^2/NDF : 760.7/40

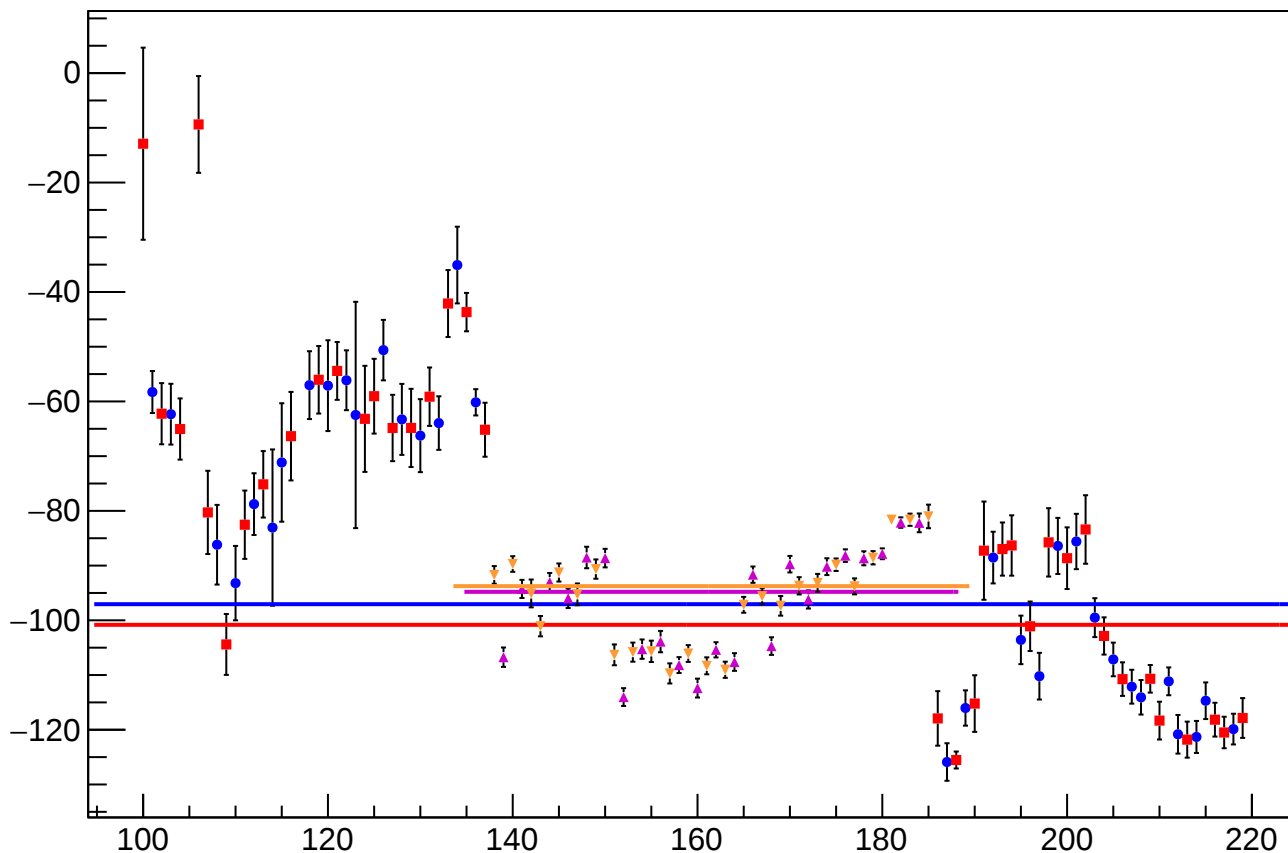
All: -31.488 ± 0.203 χ^2/NDF : 1688.0/81

- sign -30.671 ± 0.290 χ^2/NDF : 911.8/40

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -97.054 ± 0.717 $\chi^2/\text{NDF}: 1196.0/32$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -100.823 ± 0.696 $\chi^2/\text{NDF}: 1488.0/36$

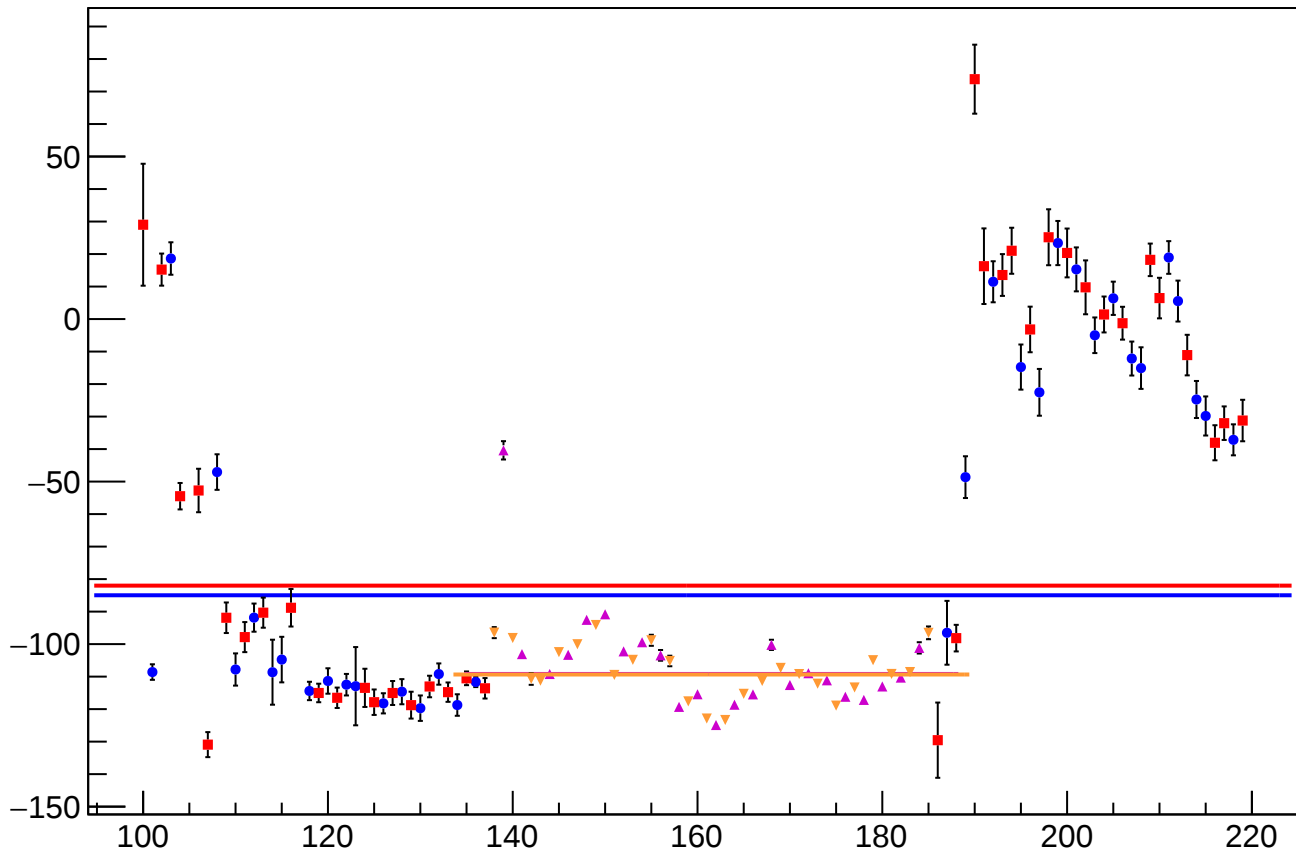
Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

+ sign -94.250 ± 0.278 $\chi^2/\text{NDF}: 2097.0/57$

All: -95.007 ± 0.198 $\chi^2/\text{NDF}: 4637.4/117$

- sign -95.785 ± 0.282 $\chi^2/\text{NDF}: 2525.3/59$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -84.975 ± 0.719 $\chi^2/\text{NDF}: 4240.6/32$

Left Out: -109.351 ± 0.271 $\chi^2/\text{NDF}: 826.8/24$

Right Out: -82.009 ± 0.746 $\chi^2/\text{NDF}: 4469.9/36$

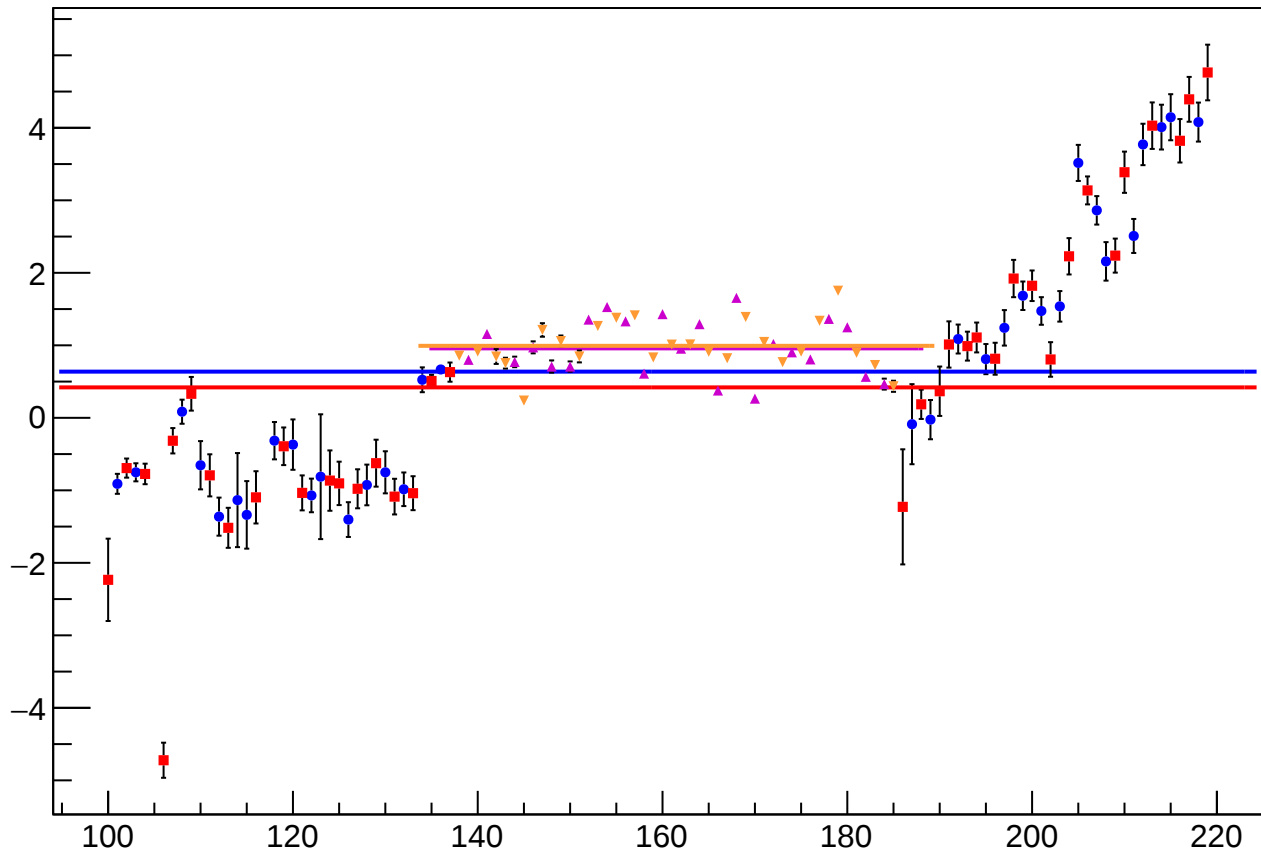
Left In: -109.184 ± 0.280 $\chi^2/\text{NDF}: 1501.1/22$

+ sign -106.311 ± 0.254 $\chi^2/\text{NDF}: 6074.7/57$

All: -106.078 ± 0.182 $\chi^2/\text{NDF}: 13211.0/117$

- sign -105.830 ± 0.262 $\chi^2/\text{NDF}: 7134.6/59$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.637 ± 0.035 $\chi^2/\text{NDF}: 1584.7/32$

Left Out: 0.993 ± 0.012 $\chi^2/\text{NDF}: 638.6/24$

Right Out: 0.420 ± 0.035 $\chi^2/\text{NDF}: 1991.0/36$

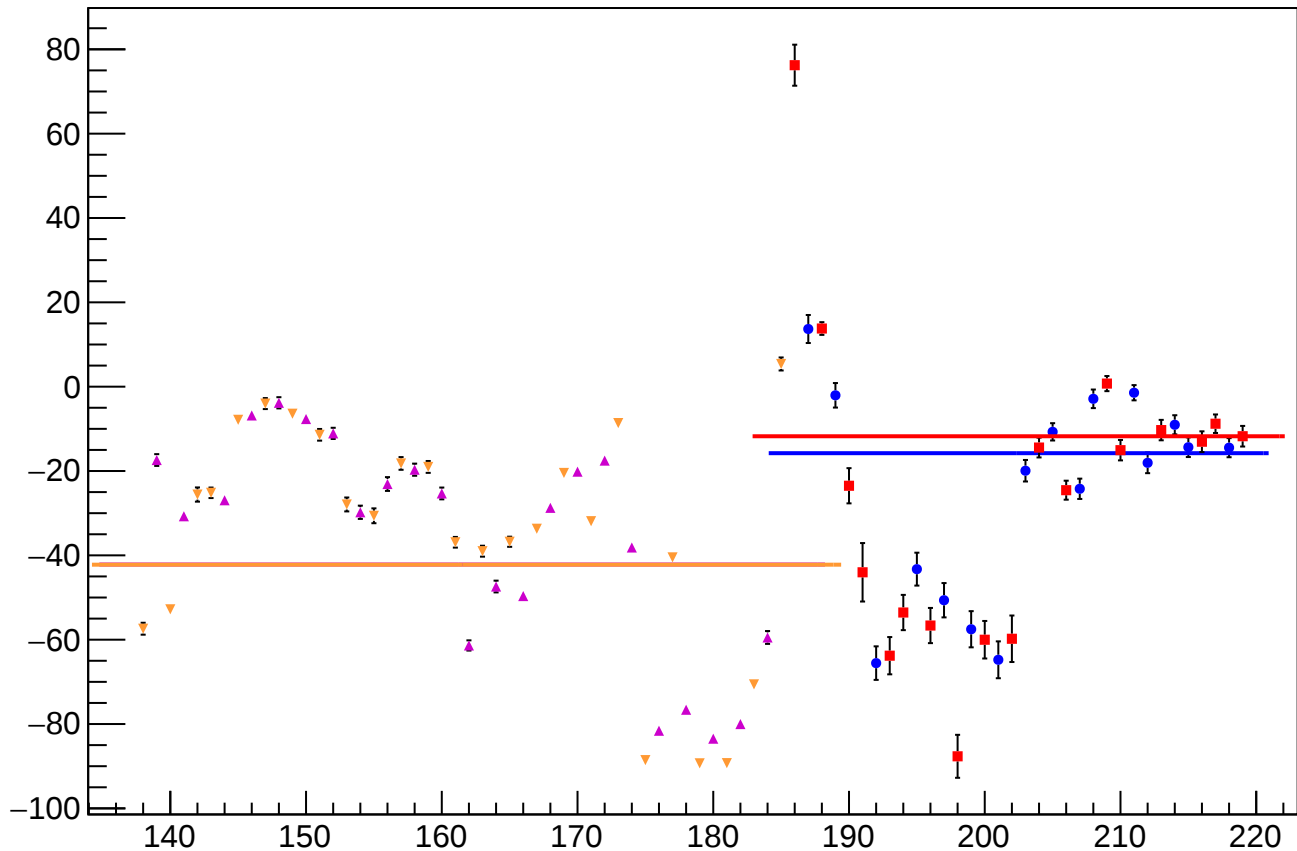
Left In: 0.958 ± 0.013 $\chi^2/\text{NDF}: 894.5/22$

+ sign 0.952 ± 0.012 $\chi^2/\text{NDF}: 2317.2/57$

All: 0.925 ± 0.008 $\chi^2/\text{NDF}: 5418.0/117$

- sign 0.897 ± 0.012 $\chi^2/\text{NDF}: 3089.9/59$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -15.773 ± 0.657 $\chi^2/\text{NDF}: 729.5/15$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: -11.759 ± 0.643 $\chi^2/\text{NDF}: 1499.4/17$

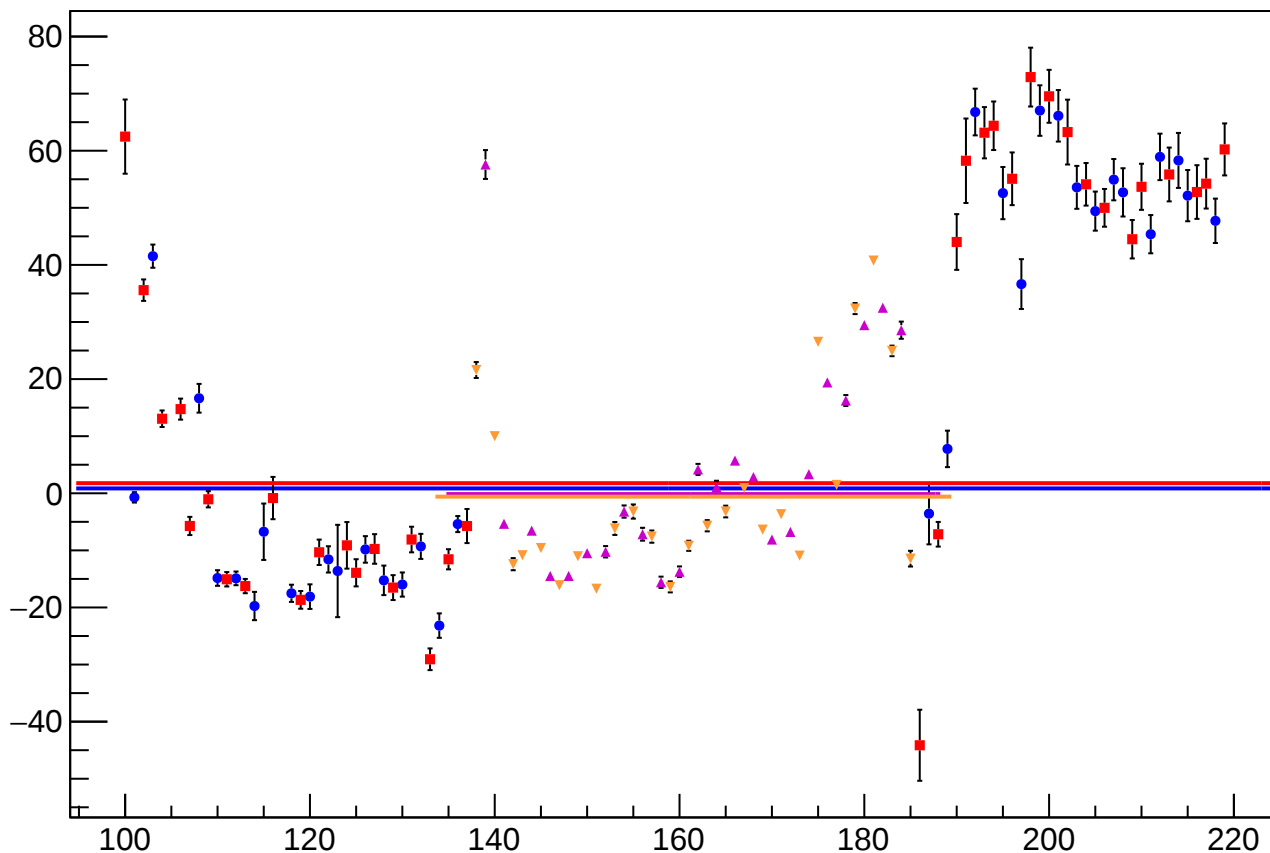
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -39.500 ± 0.210 $\chi^2/\text{NDF}: 20494.1/40$

All: -39.158 ± 0.150 $\chi^2/\text{NDF}: 38563.9/81$

- sign -38.804 ± 0.214 $\chi^2/\text{NDF}: 18064.5/40$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 0.851 ± 0.396 $\chi^2/\text{NDF}: 3831.4/32$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: 1.768 ± 0.392 $\chi^2/\text{NDF}: 4180.4/36$

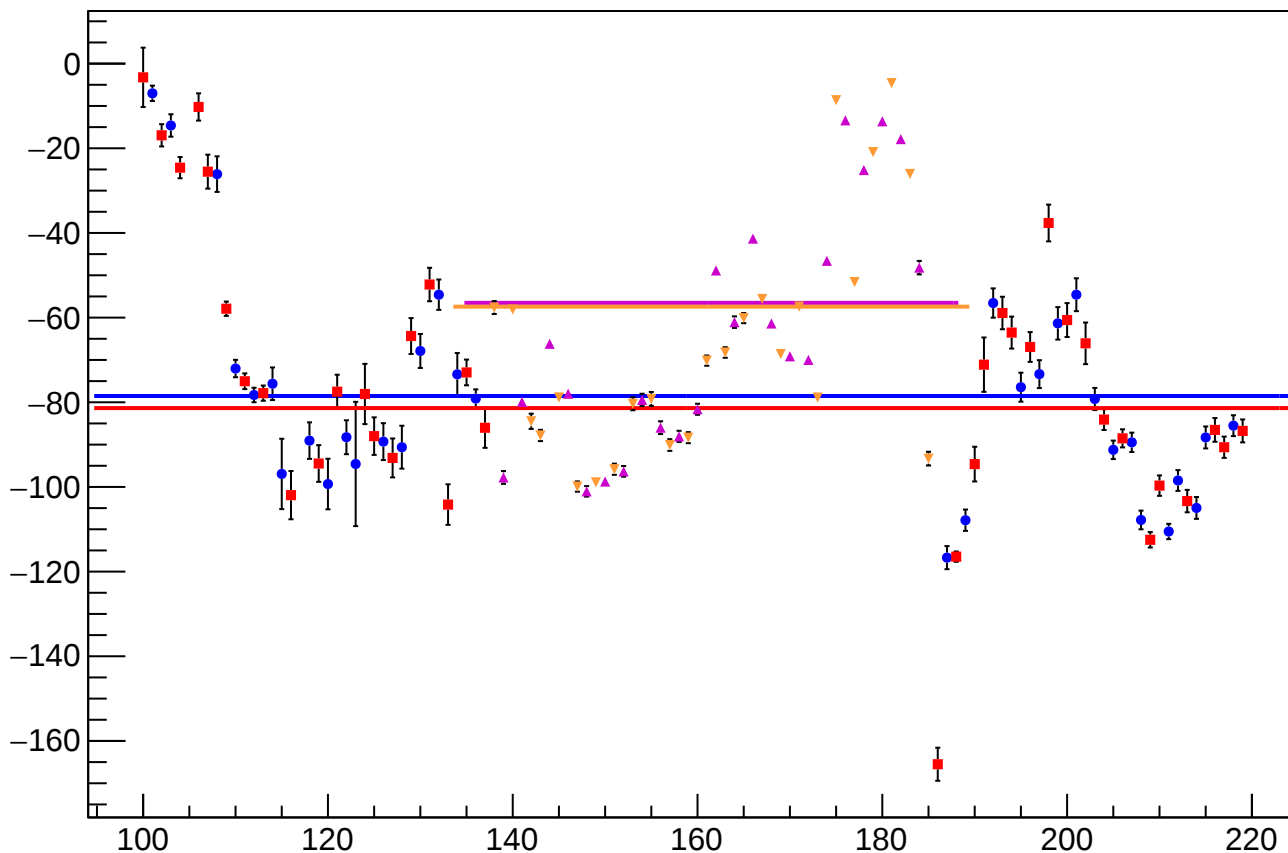
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -0.356 ± 0.159 $\chi^2/\text{NDF}: 12593.4/57$

All: -0.090 ± 0.114 $\chi^2/\text{NDF}: 23661.6/117$

- sign 0.188 ± 0.163 $\chi^2/\text{NDF}: 11062.5/59$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -78.518 ± 0.490 χ^2/NDF : 3562.5/32

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -81.374 ± 0.465 χ^2/NDF : 4231.9/36

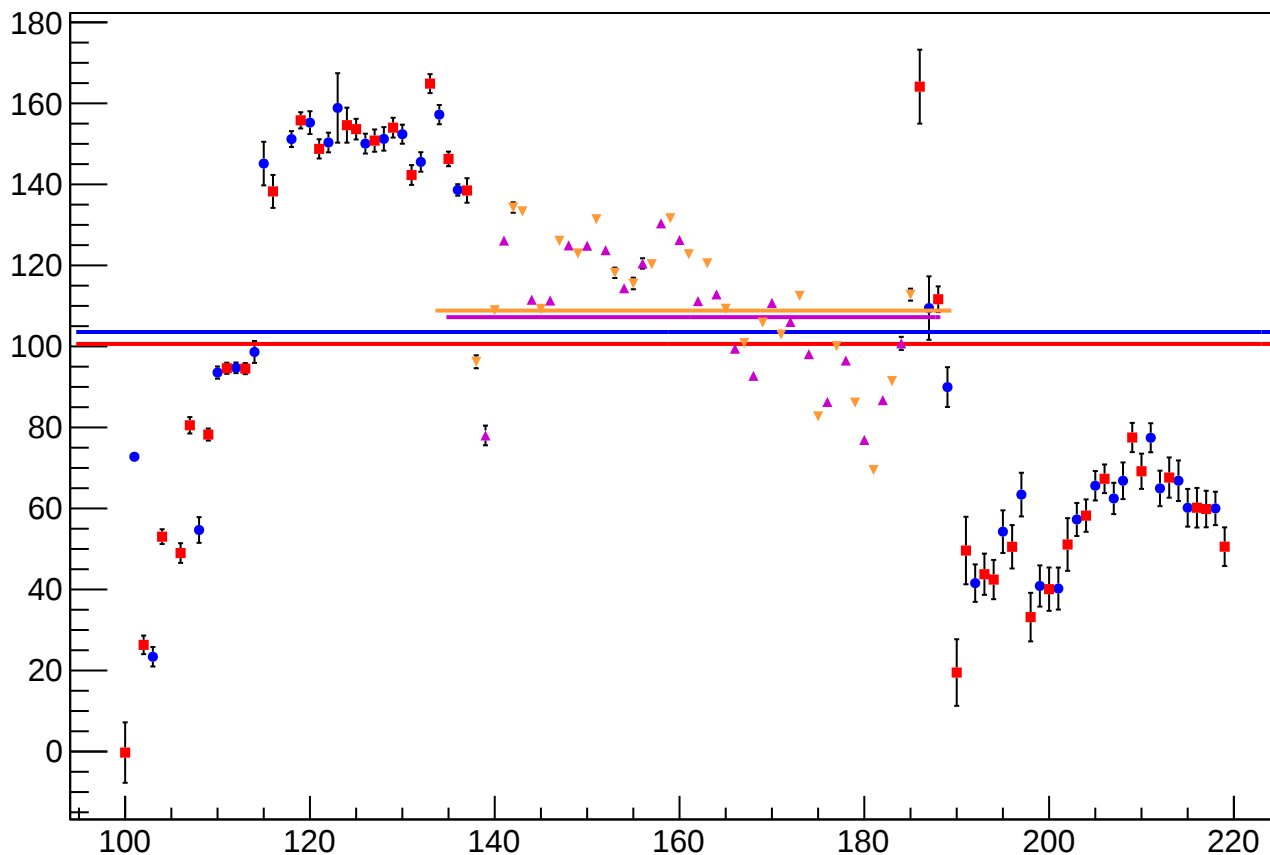
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -61.040 ± 0.203 χ^2/NDF : 23702.7/57

All: -61.174 ± 0.144 χ^2/NDF : 46598.0/117

- sign -61.310 ± 0.204 χ^2/NDF : 22894.4/59

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 103.560 $\pm$ 0.450 χ^2 /NDF: 7534.7/32

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 100.611 $\pm$ 0.448 χ^2 /NDF: 8688.2/36

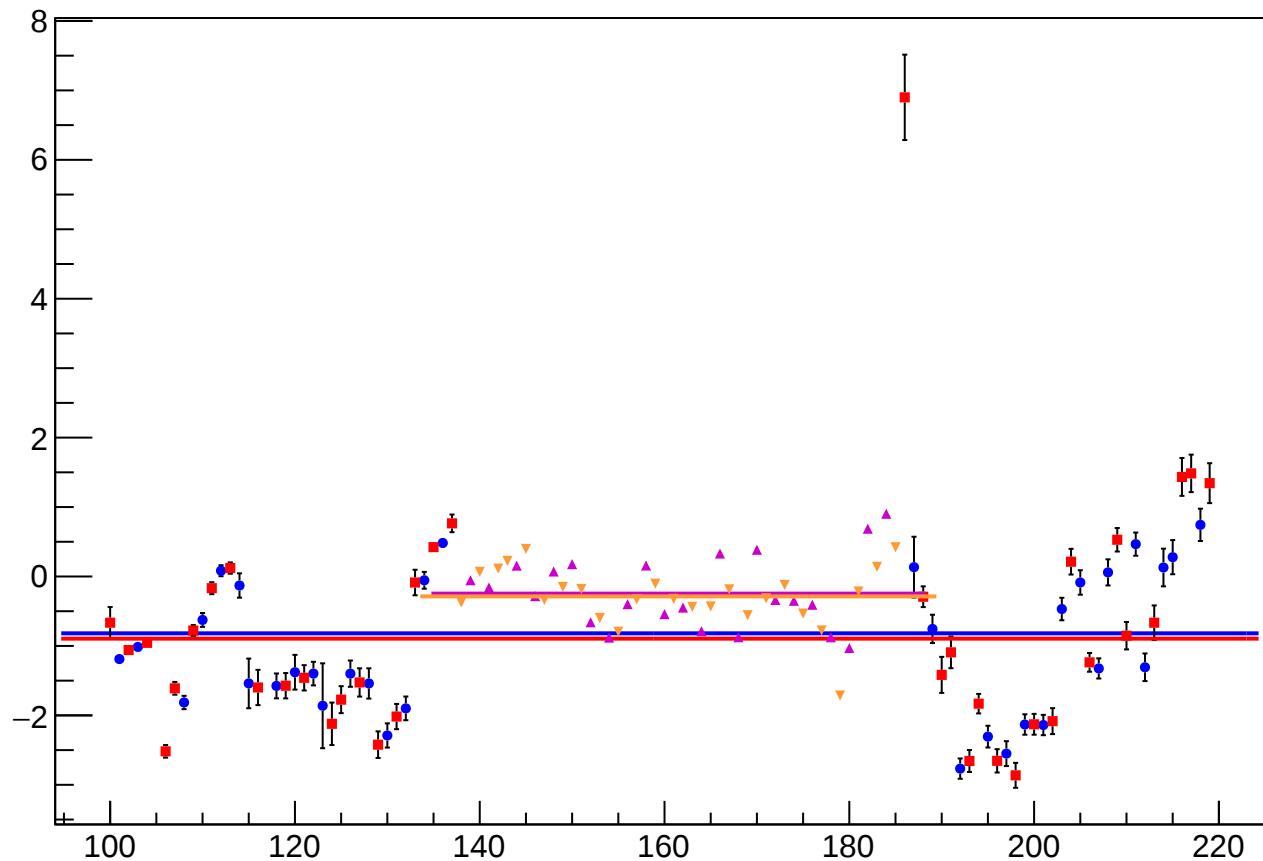
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 107.993 $\pm$ 0.181 χ^2 /NDF: 15050.8/57

All: 107.068 $\pm$ 0.129 χ^2 /NDF: 29538.9/117

- sign 106.103 $\pm$ 0.184 χ^2 /NDF: 14434.5/59

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.819 ± 0.022 χ^2/NDF : 1738.3/32

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.895 ± 0.021 χ^2/NDF : 2327.4/36

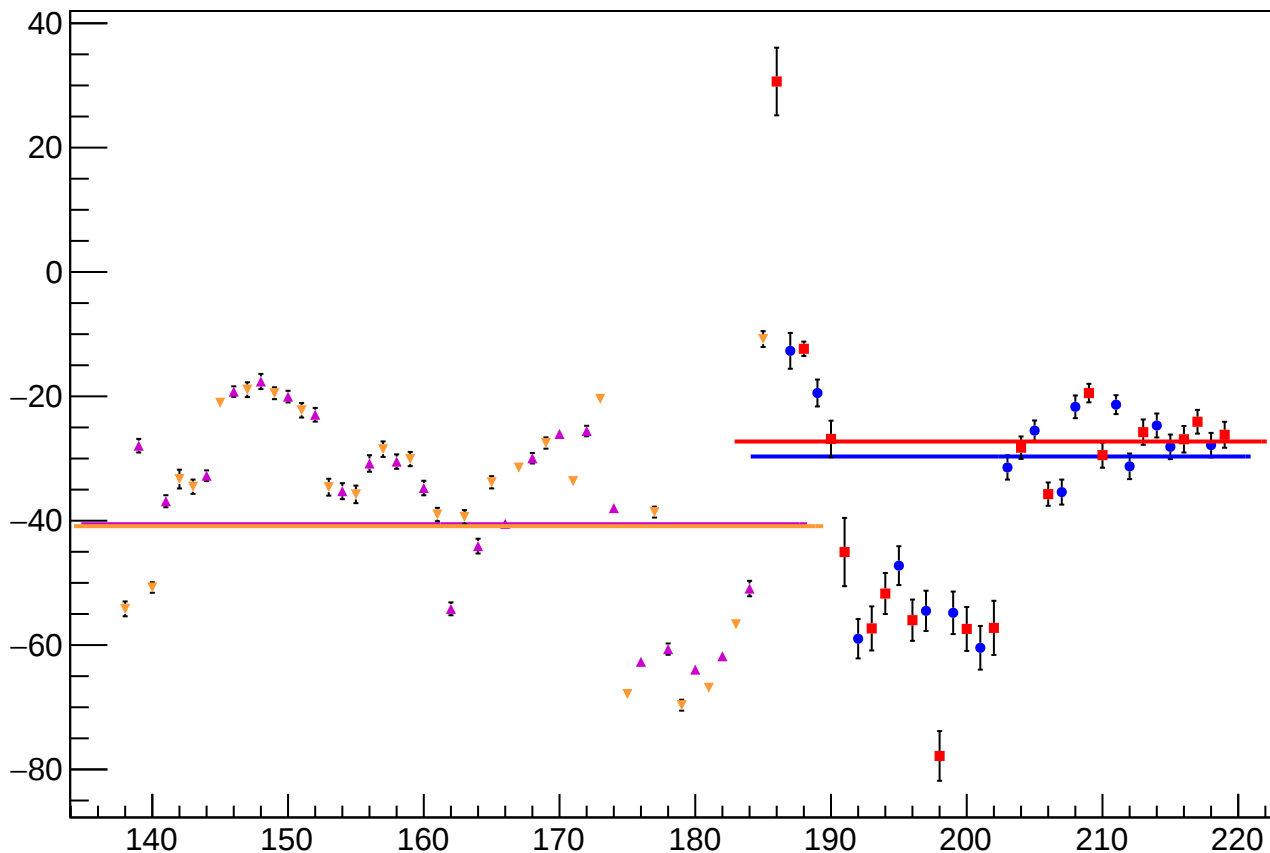
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.362 ± 0.008 χ^2/NDF : 4275.2/57

All: -0.356 ± 0.006 χ^2/NDF : 10172.8/117

- sign -0.349 ± 0.008 χ^2/NDF : 5896.5/59

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -29.672 ± 0.540 χ^2/NDF : 437.4/15

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -27.263 ± 0.524 χ^2/NDF : 825.2/17

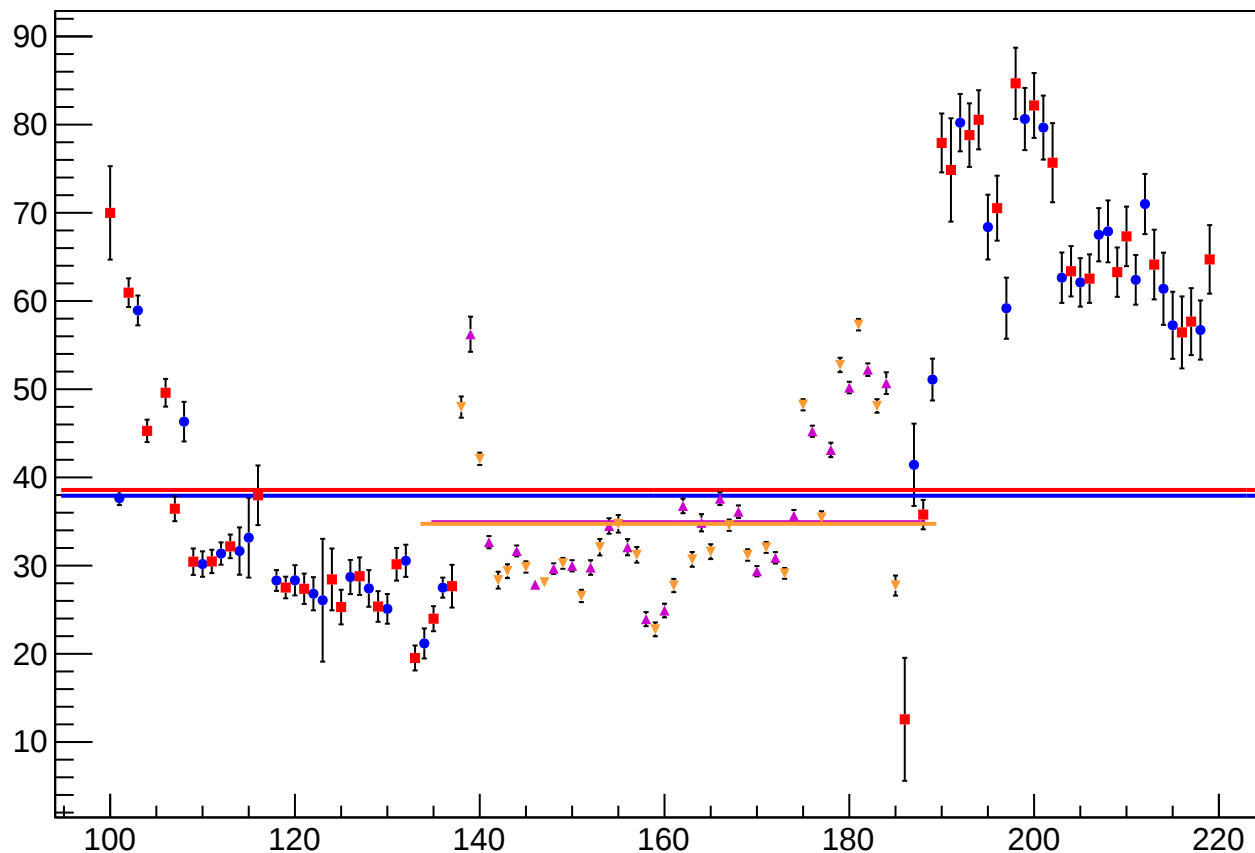
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -39.688 ± 0.176 χ^2/NDF : 9946.2/40

All: -39.361 ± 0.125 χ^2/NDF : 18302.5/81

- sign -39.024 ± 0.179 χ^2/NDF : 8349.2/40

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 37.924 $\pm$ 0.341 χ^2 /NDF: 1837.0/32

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF: 3693.2/24

Right Out: 38.580 $\pm$ 0.341 χ^2 /NDF: 2301.2/36

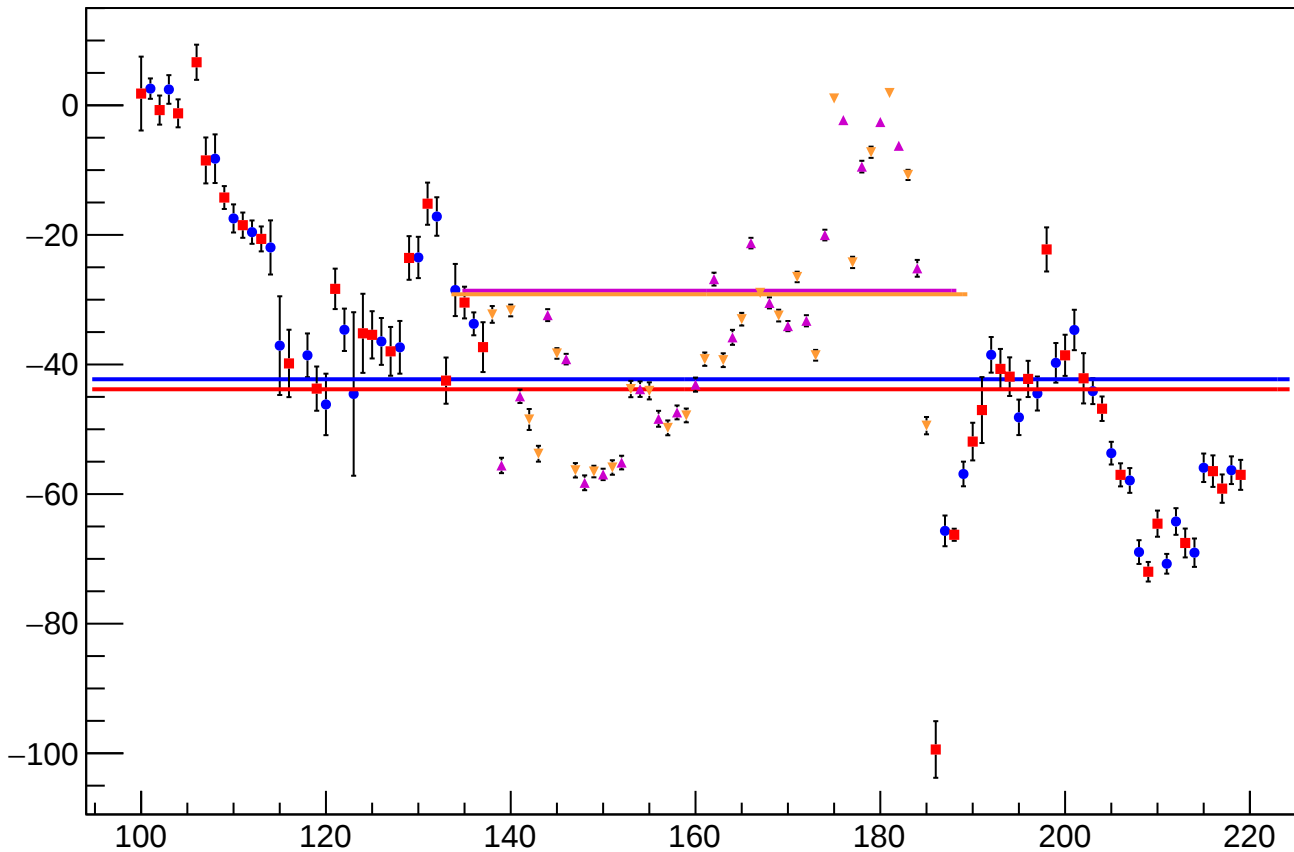
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 35.241 $\pm$ 0.135 χ^2 /NDF: 5603.4/57

All: 35.380 $\pm$ 0.097 χ^2 /NDF: 10675.9/117

- sign 35.526 $\pm$ 0.139 χ^2 /NDF: 5070.3/59

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -42.279 ± 0.417 χ^2/NDF : 2957.1/32

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -43.827 ± 0.395 χ^2/NDF : 3568.6/36

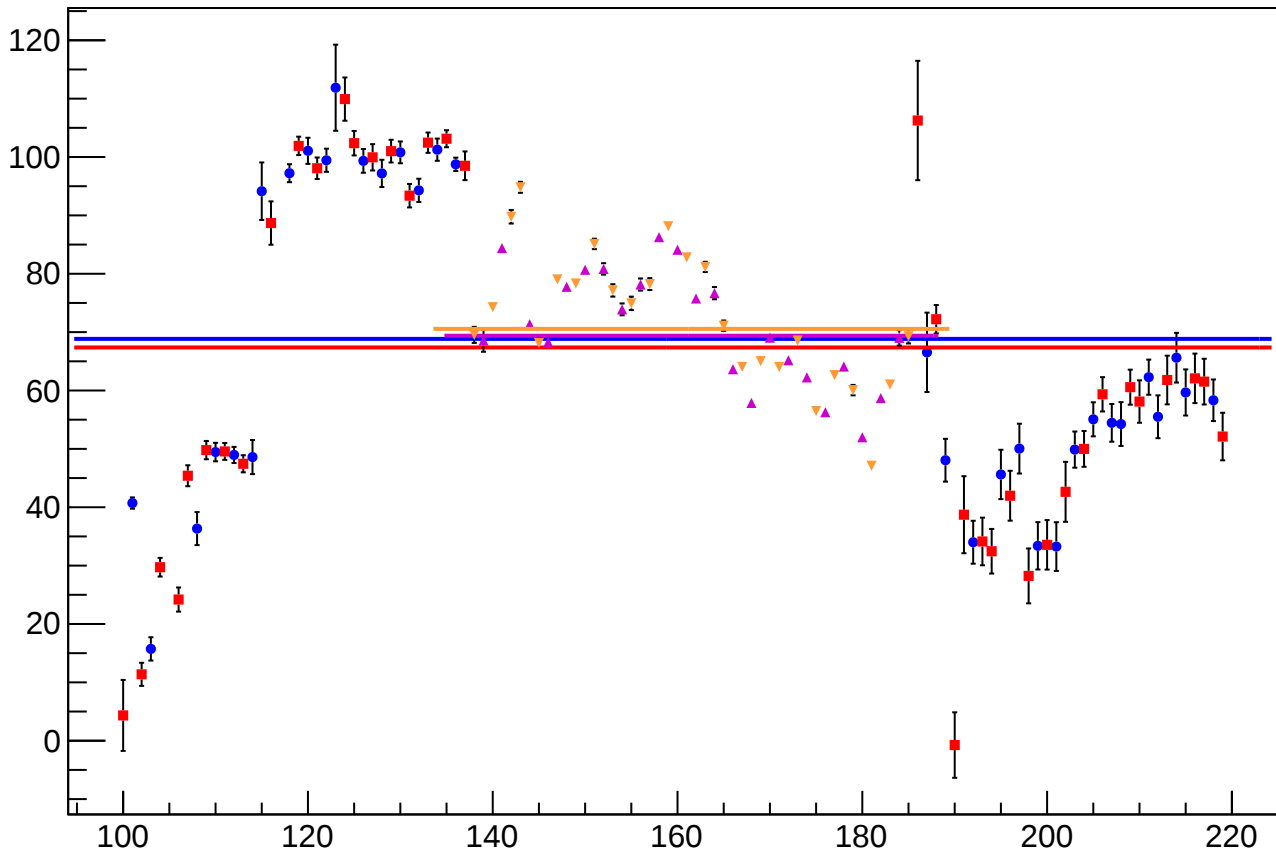
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -31.363 ± 0.171 χ^2/NDF : 13908.1/57

All: -31.415 ± 0.121 χ^2/NDF : 27721.9/117

- sign -31.469 ± 0.171 χ^2/NDF : 13813.6/59

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 68.843 ± 0.389 $\chi^2/\text{NDF}: 5194.2/32$

Left Out: 70.563 ± 0.166 $\chi^2/\text{NDF}: 4589.1/24$

Right Out: 67.373 ± 0.392 $\chi^2/\text{NDF}: 6153.4/36$

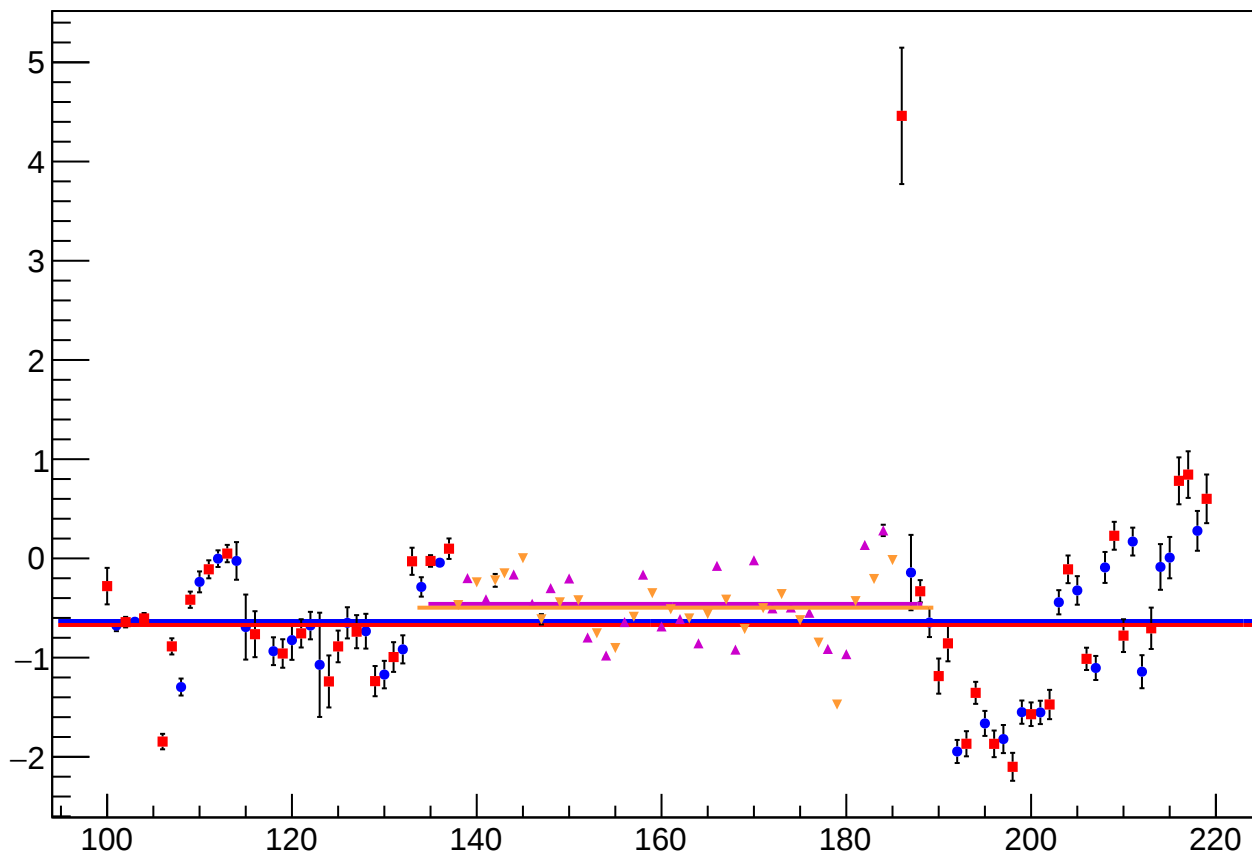
Left In: 69.387 ± 0.170 $\chi^2/\text{NDF}: 3321.8/22$

+ sign 70.297 ± 0.153 $\chi^2/\text{NDF}: 9799.8/57$

All: 69.695 ± 0.109 $\chi^2/\text{NDF}: 19329.0/117$

- sign 69.067 ± 0.156 $\chi^2/\text{NDF}: 9497.5/59$

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.631 ± 0.019 χ^2/NDF : 838.7/32

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.671 ± 0.018 χ^2/NDF : 1230.0/36

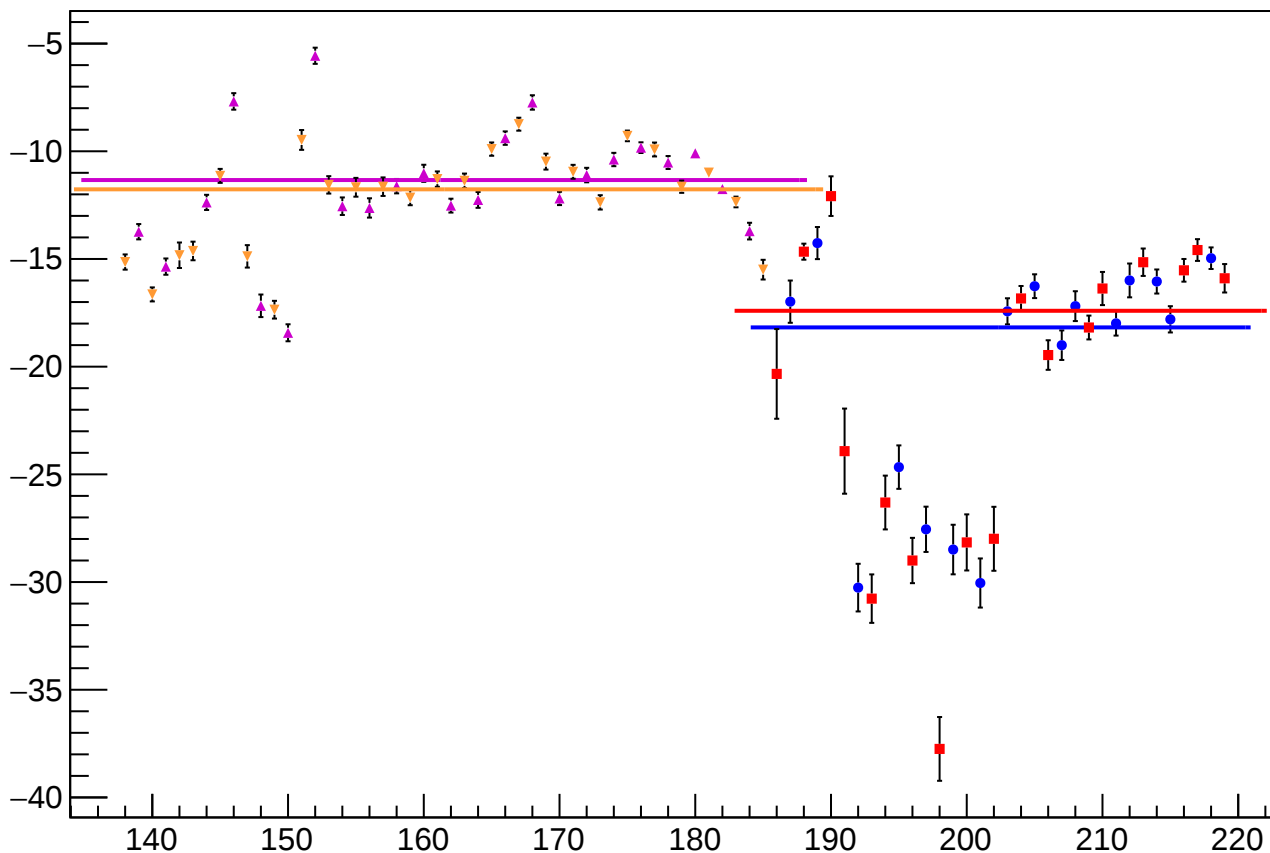
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.515 ± 0.007 χ^2/NDF : 2331.0/57

All: -0.503 ± 0.005 χ^2/NDF : 5639.1/117

- sign -0.491 ± 0.007 χ^2/NDF : 3302.2/59

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



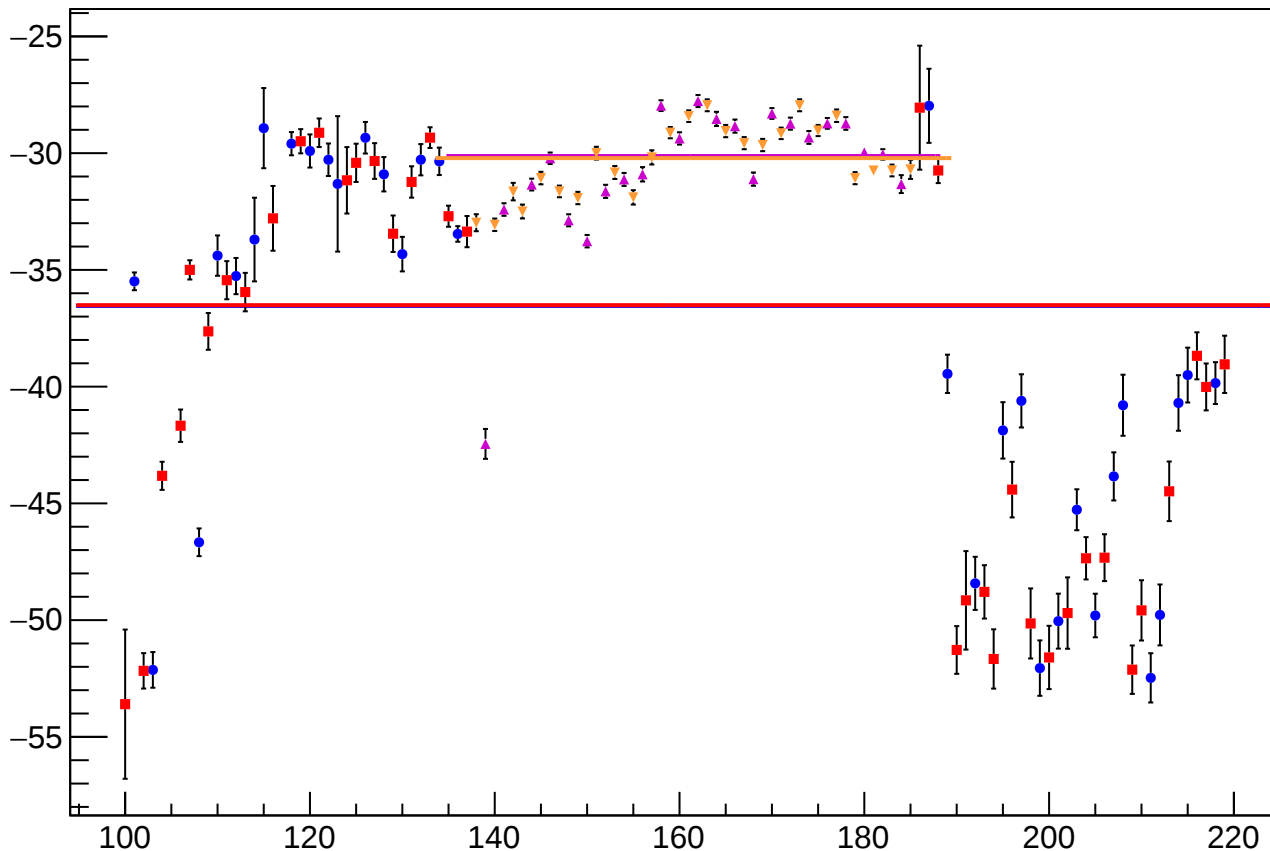
Right In: -18.177 ± 0.177 $\chi^2/\text{NDF}: 538.7/15$
 Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$
 Right Out: -17.406 ± 0.169 $\chi^2/\text{NDF}: 797.3/17$
 Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -12.562 ± 0.062 $\chi^2/\text{NDF}: 2706.3/40$

All: -12.375 ± 0.044 $\chi^2/\text{NDF}: 5902.7/81$

- sign -12.184 ± 0.063 $\chi^2/\text{NDF}: 3178.2/40$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.542 ± 0.132 $\chi^2/\text{NDF}: 2788.9/32$

Left Out: -30.212 ± 0.054 $\chi^2/\text{NDF}: 734.0/24$

Right Out: -36.511 ± 0.130 $\chi^2/\text{NDF}: 3178.7/36$

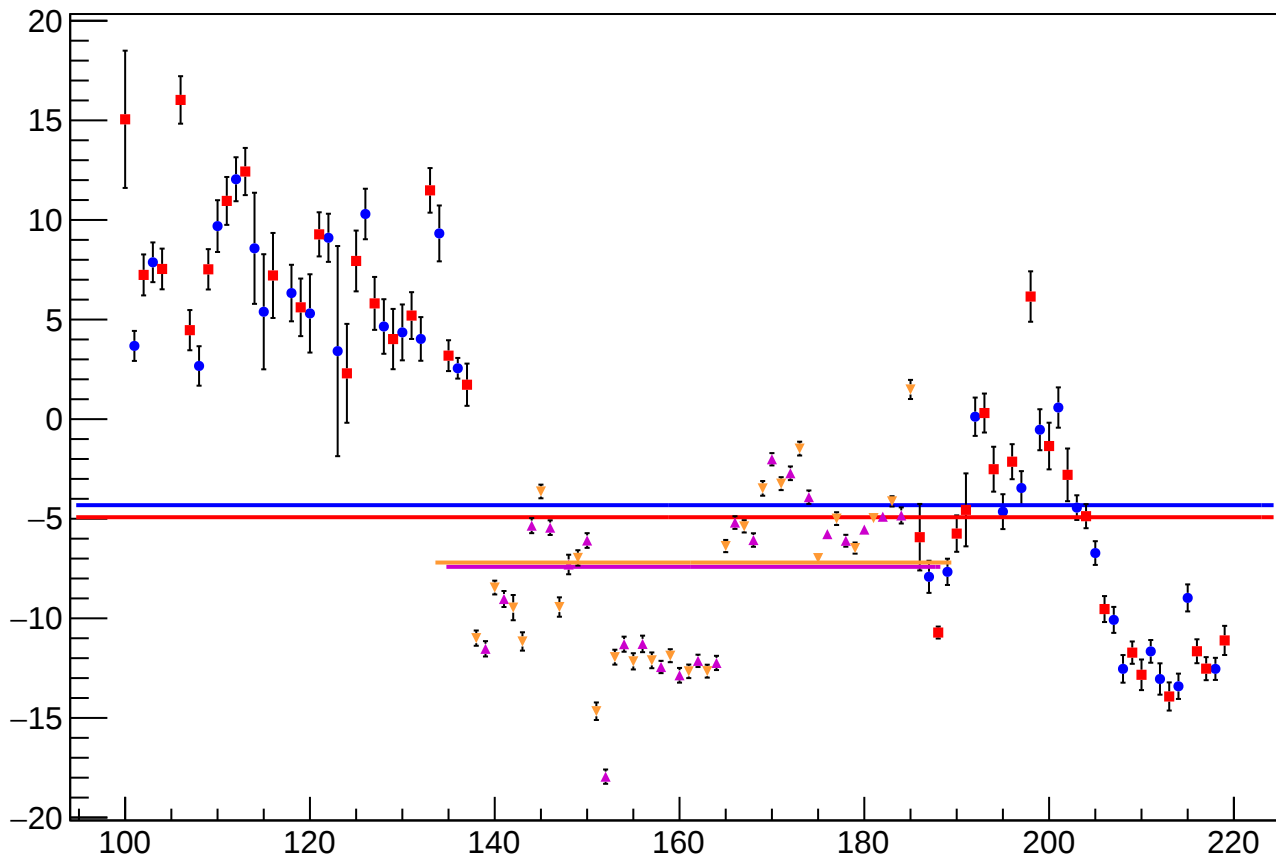
Left In: -30.124 ± 0.056 $\chi^2/\text{NDF}: 1226.2/22$

+ sign -31.110 ± 0.050 $\chi^2/\text{NDF}: 5482.1/57$

All: -31.109 ± 0.036 $\chi^2/\text{NDF}: 11927.0/117$

- sign -31.108 ± 0.051 $\chi^2/\text{NDF}: 6444.8/59$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -4.319 ± 0.148 χ^2/NDF : 2528.4/32

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -4.923 ± 0.140 χ^2/NDF : 3465.2/36

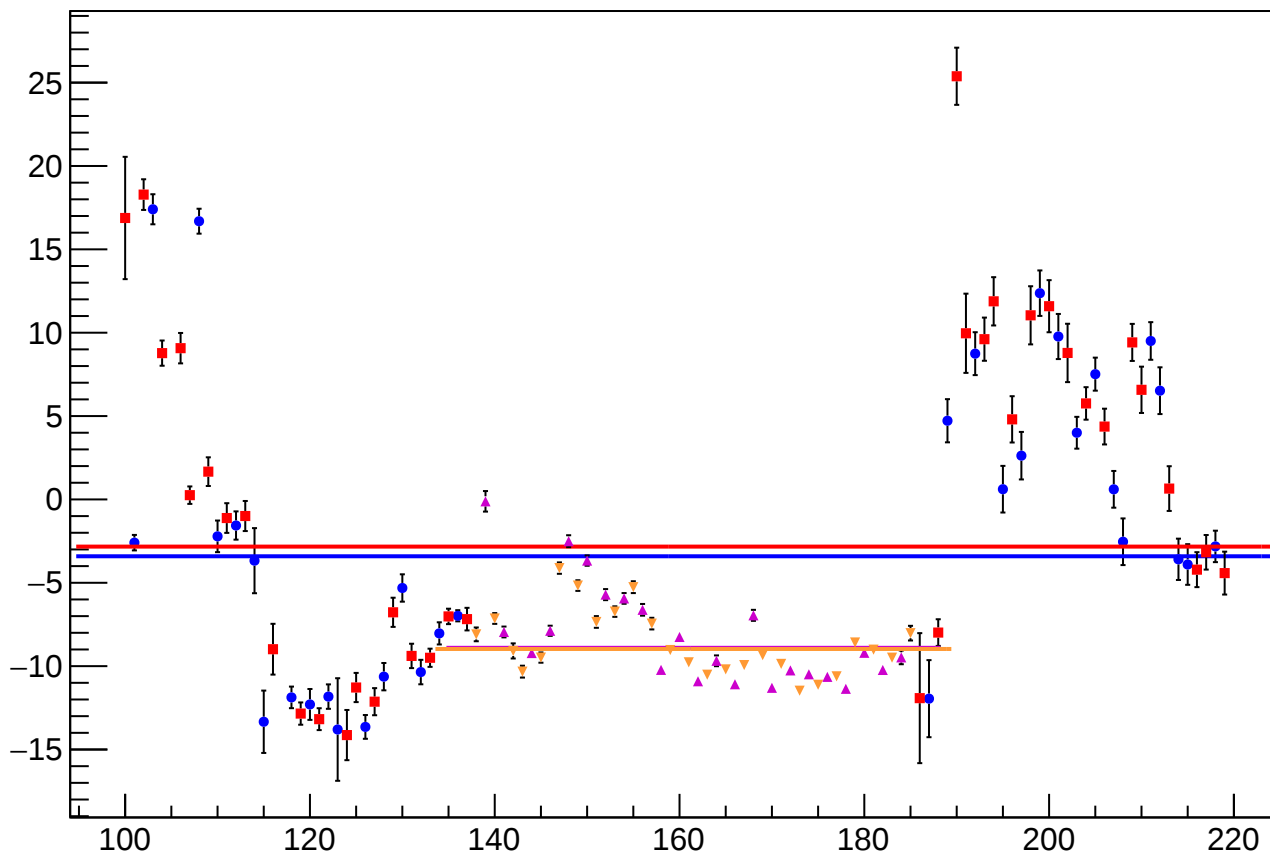
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.711 ± 0.061 χ^2/NDF : 5879.9/57

All: -6.826 ± 0.043 χ^2/NDF : 12731.3/117

- sign -6.942 ± 0.061 χ^2/NDF : 6844.2/59

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.410 ± 0.149 χ^2/NDF : 3013.9/32

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -2.829 ± 0.150 χ^2/NDF : 3240.7/36

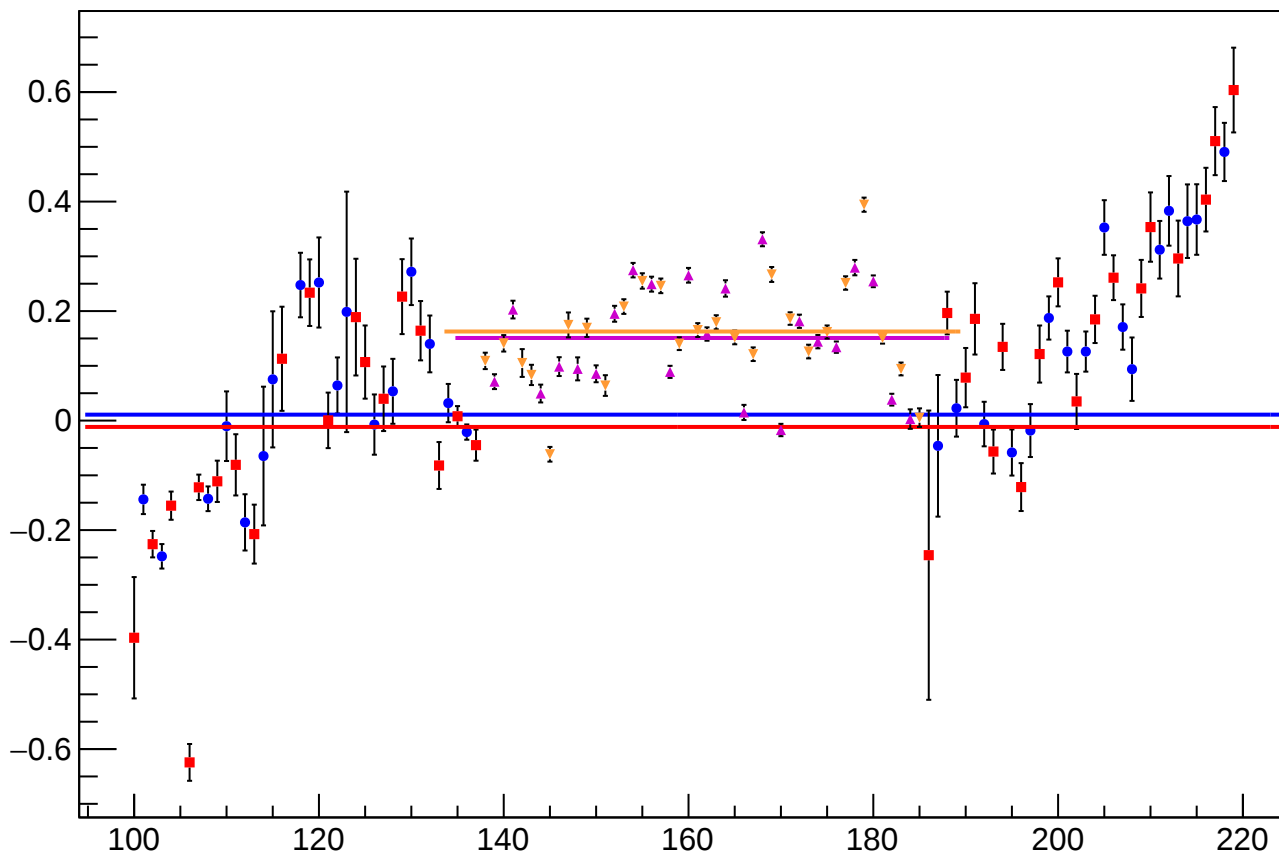
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.193 ± 0.056 χ^2/NDF : 5085.5/57

All: -8.110 ± 0.040 χ^2/NDF : 11264.8/117

- sign -8.024 ± 0.057 χ^2/NDF : 6174.7/59

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.011 ± 0.007 $\chi^2/\text{NDF}: 599.6/32$

Left Out: 0.163 ± 0.003 $\chi^2/\text{NDF}: 1018.1/24$

Right Out: -0.012 ± 0.007 $\chi^2/\text{NDF}: 982.5/36$

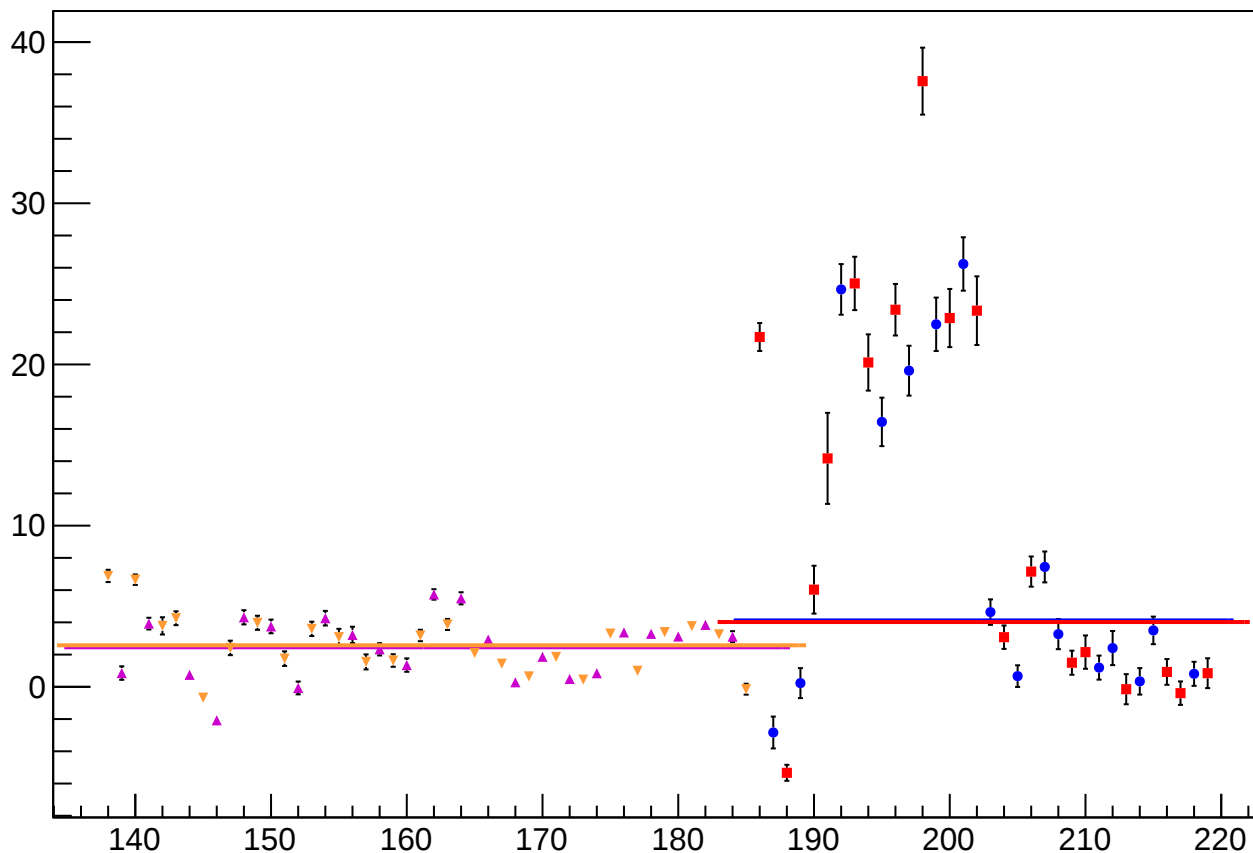
Left In: 0.151 ± 0.003 $\chi^2/\text{NDF}: 1286.5/22$

+ sign 0.142 ± 0.003 $\chi^2/\text{NDF}: 2035.8/57$

All: 0.135 ± 0.002 $\chi^2/\text{NDF}: 4796.0/117$

- sign 0.128 ± 0.003 $\chi^2/\text{NDF}: 2745.7/59$

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 4.120 ± 0.239 $\chi^2/\text{NDF}: 805.5/15$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 4.020 ± 0.227 $\chi^2/\text{NDF}: 1742.7/17$

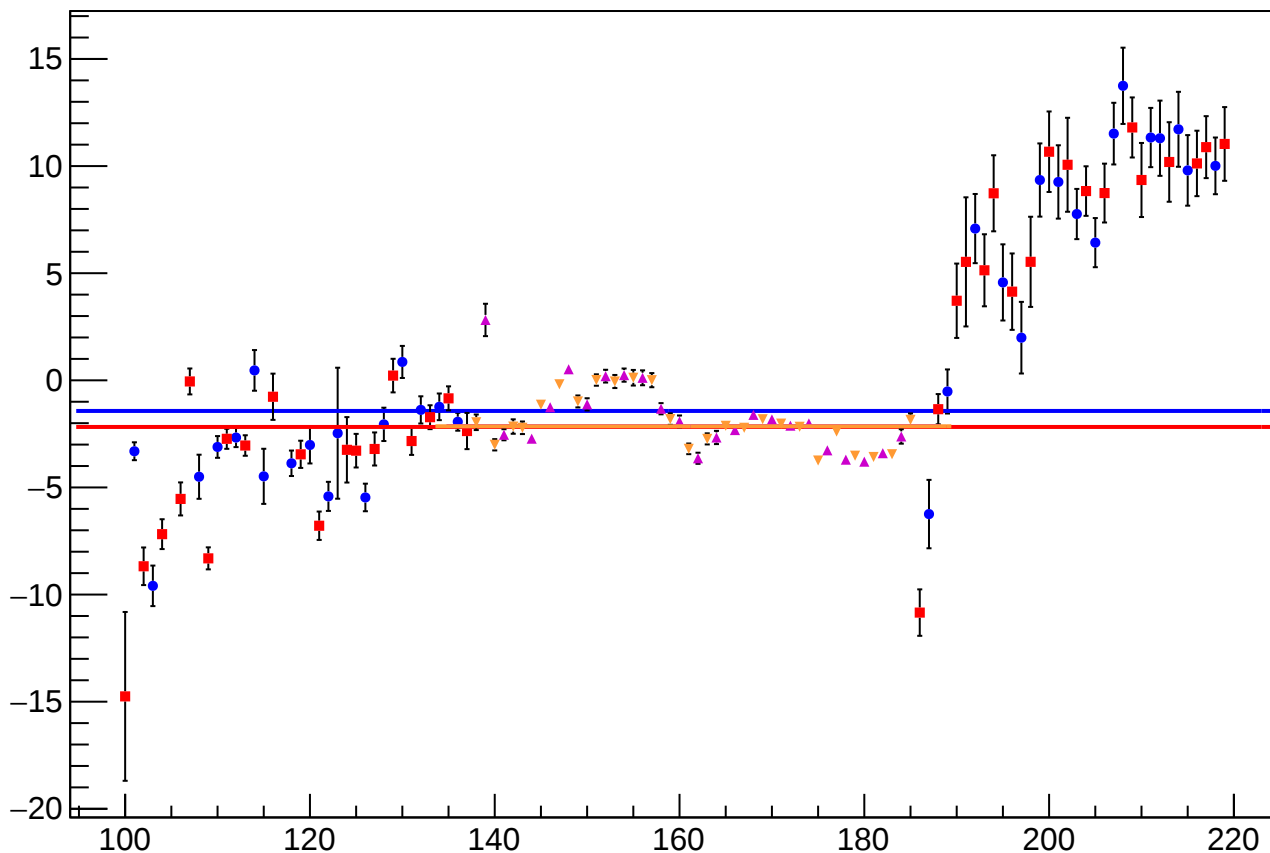
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.664 ± 0.057 $\chi^2/\text{NDF}: 1712.4/40$

All: 2.609 ± 0.040 $\chi^2/\text{NDF}: 4372.8/81$

- sign 2.552 ± 0.057 $\chi^2/\text{NDF}: 2658.5/40$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.429 ± 0.143 χ^2/NDF : 947.2/32

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -2.177 ± 0.141 χ^2/NDF : 1161.8/36

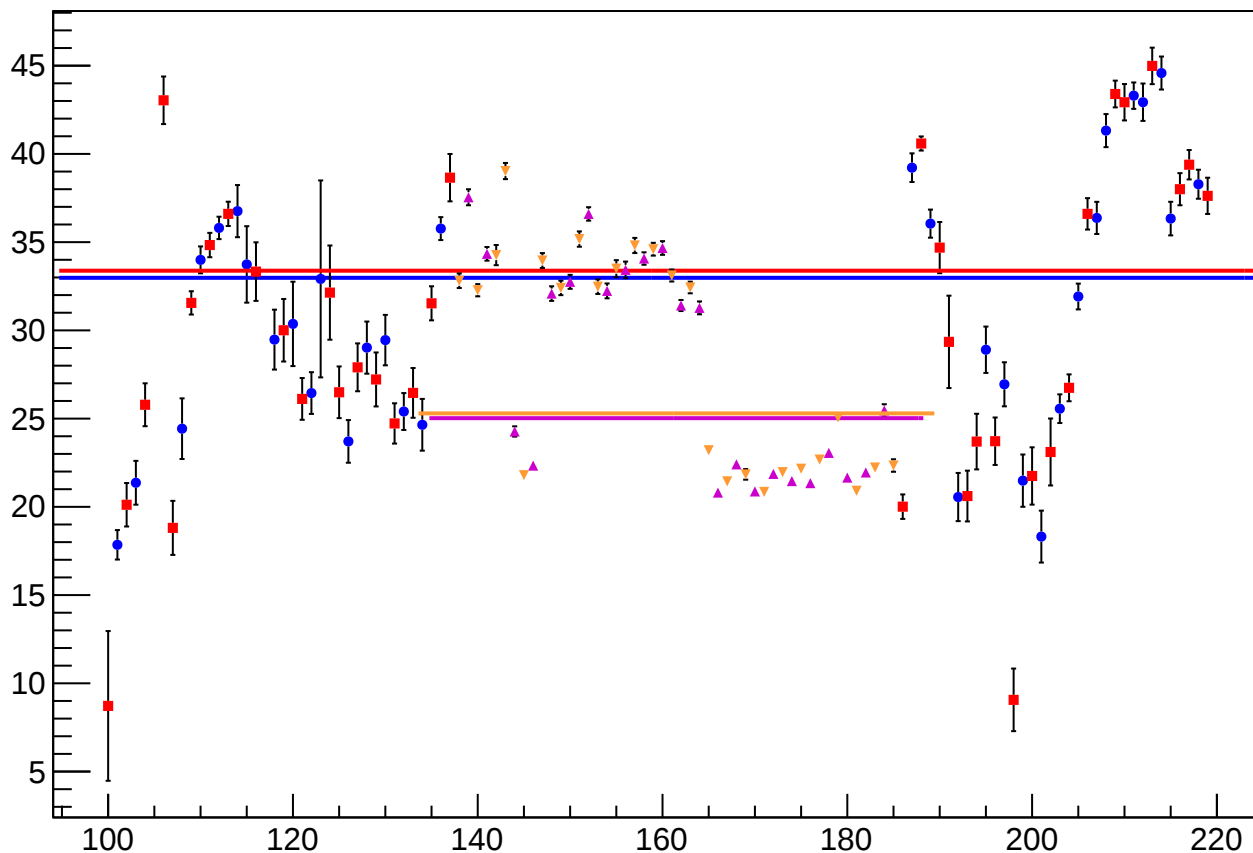
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.074 ± 0.045 χ^2/NDF : 1543.2/57

All: -2.107 ± 0.032 χ^2/NDF : 3397.3/117

- sign -2.141 ± 0.046 χ^2/NDF : 1853.1/59

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 32.979 $\pm$ 0.177 χ^2 /NDF: 1694.5/32

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 33.382 $\pm$ 0.166 χ^2 /NDF: 2268.2/36

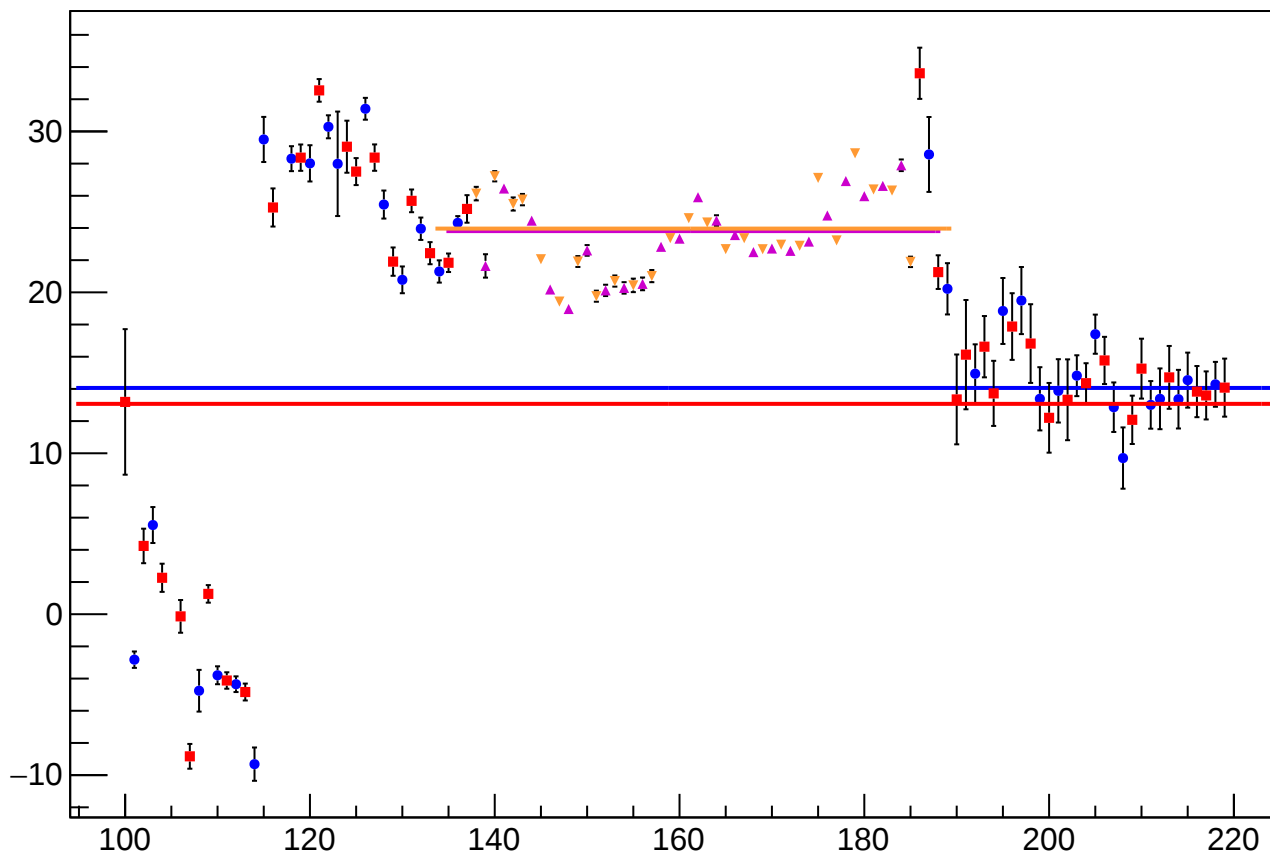
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 26.059 $\pm$ 0.056 χ^2 /NDF: 11660.2/57

All: 26.020 $\pm$ 0.040 χ^2 /NDF: 23785.7/117

- sign 25.980 $\pm$ 0.056 χ^2 /NDF: 12124.5/59

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.060 $\pm$ 0.160 χ^2 /NDF: 7357.6/32

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 13.071 $\pm$ 0.160 χ^2 /NDF: 7215.5/36

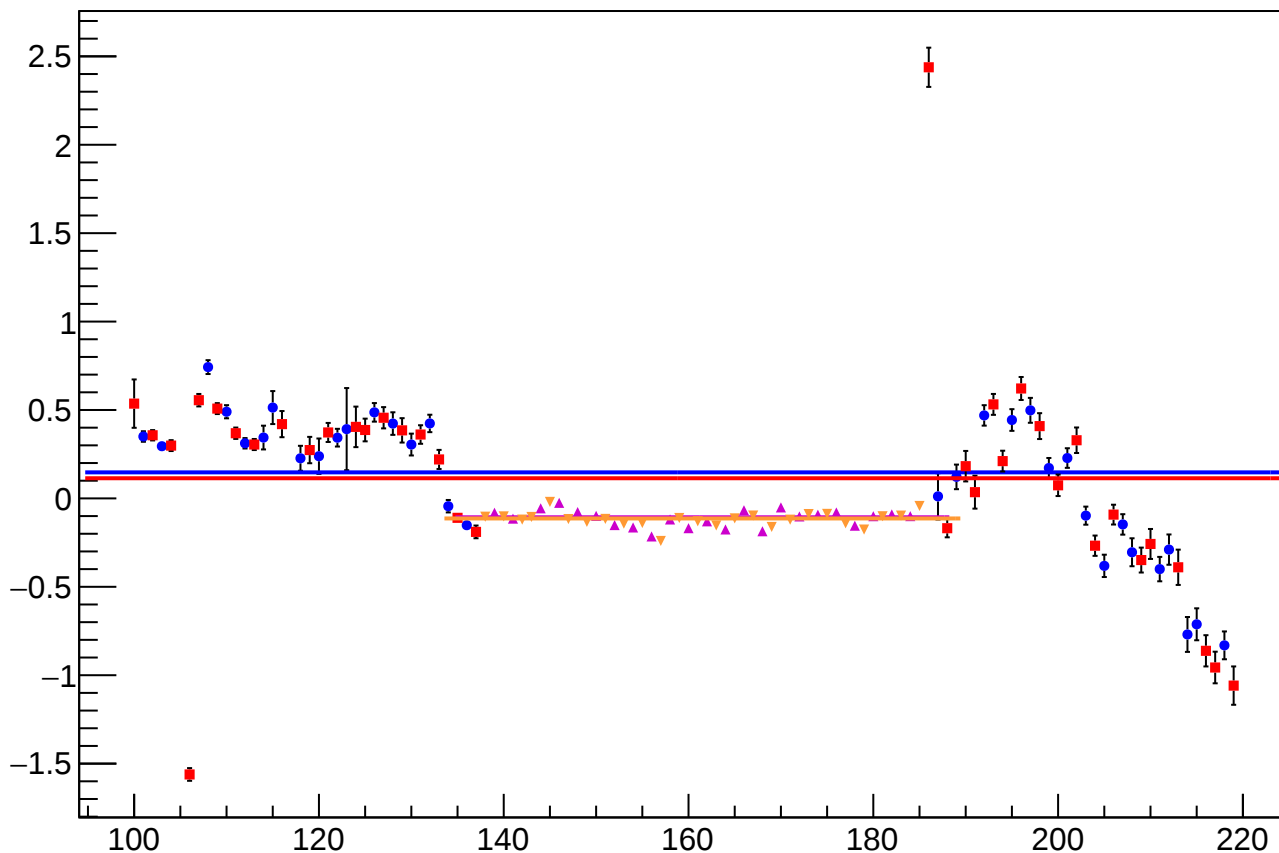
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 22.976 $\pm$ 0.050 χ^2 /NDF: 12736.8/57

All: 22.842 $\pm$ 0.036 χ^2 /NDF: 25772.2/117

- sign 22.705 $\pm$ 0.051 χ^2 /NDF: 13021.2/59

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.147 ± 0.008 χ^2/NDF : 1538.4/32

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.114 ± 0.008 χ^2/NDF : 4158.2/36

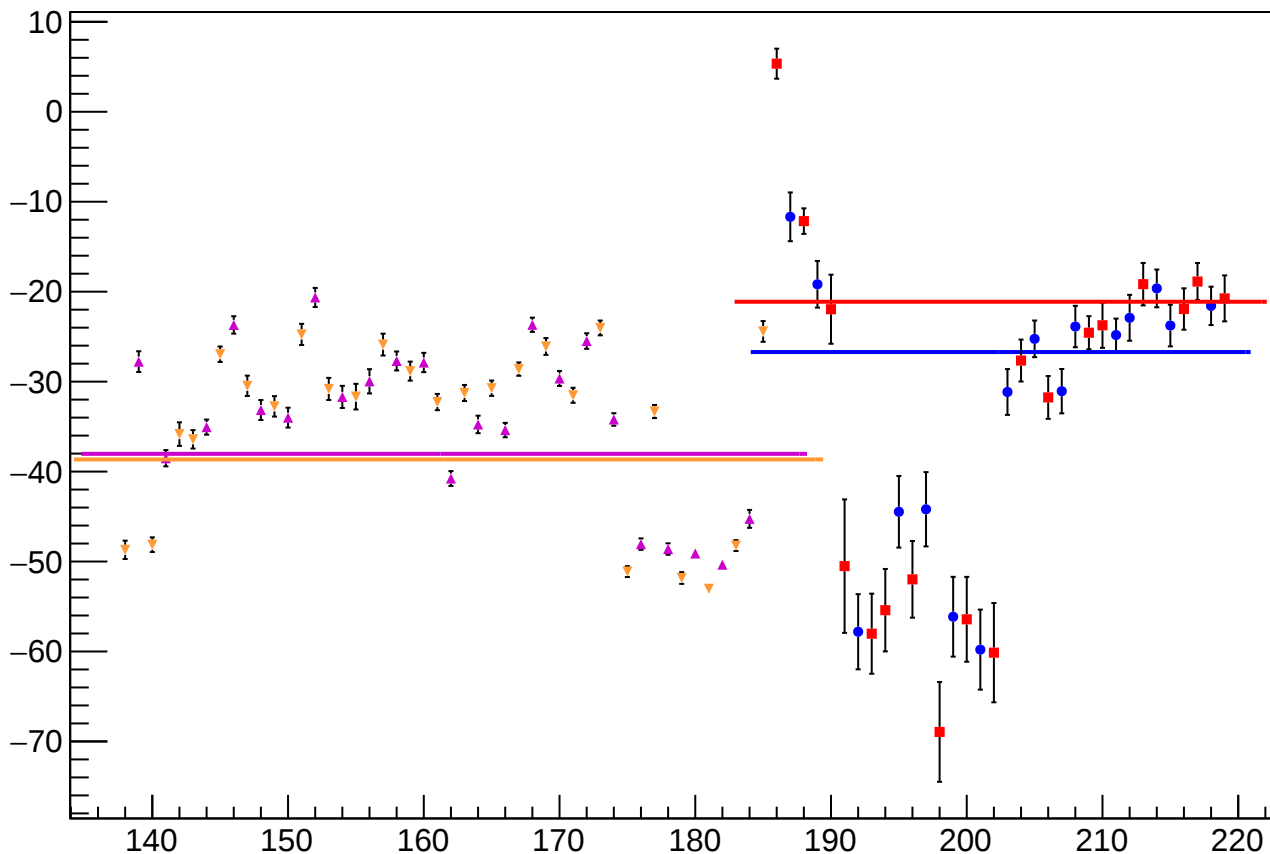
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.093 ± 0.002 χ^2/NDF : 2757.5/57

All: -0.090 ± 0.002 χ^2/NDF : 7922.6/117

- sign -0.088 ± 0.002 χ^2/NDF : 5163.1/59

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -26.711 ± 0.645 χ^2/NDF : 261.9/15

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -21.119 ± 0.600 χ^2/NDF : 698.9/17

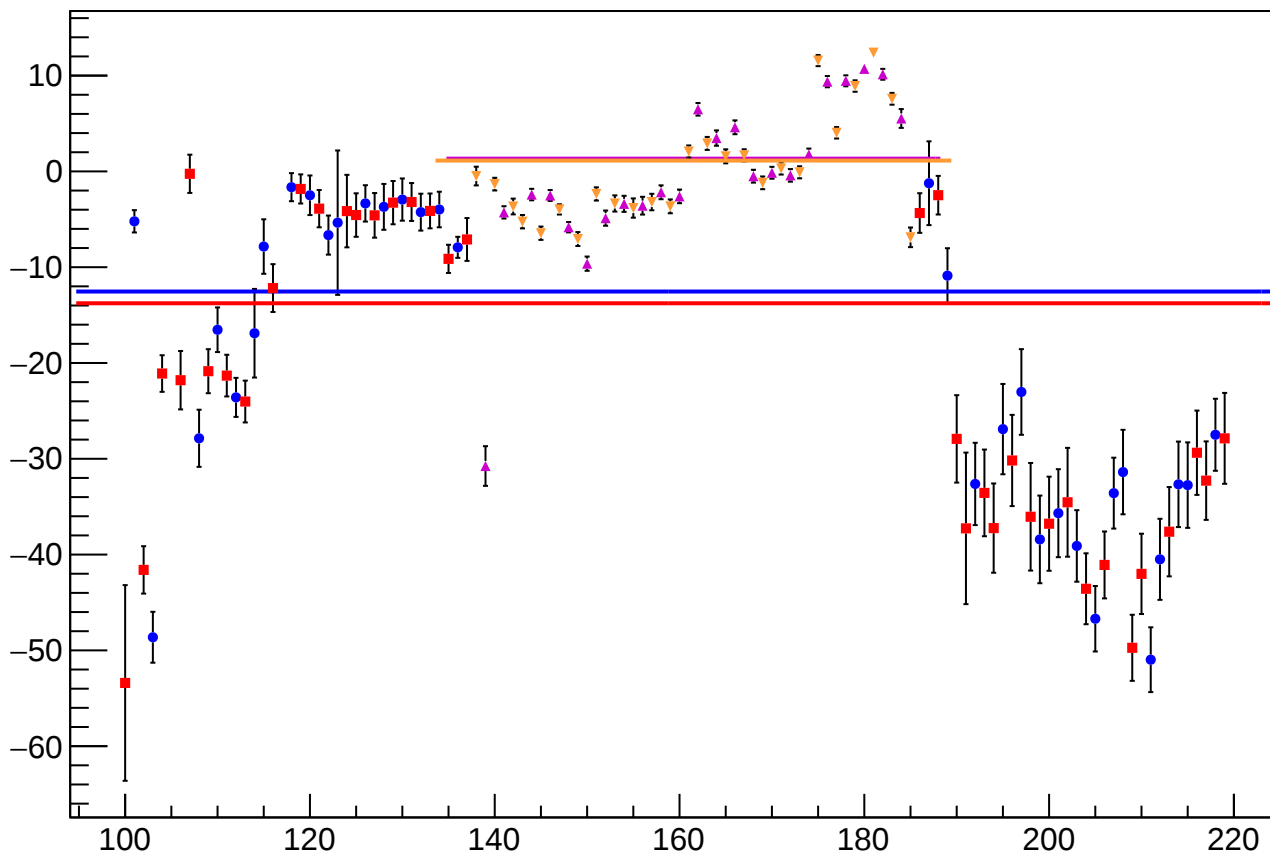
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -37.883 ± 0.164 χ^2/NDF : 4659.3/40

All: -37.316 ± 0.117 χ^2/NDF : 9207.0/81

- sign -36.728 ± 0.166 χ^2/NDF : 4523.2/40

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -12.540 ± 0.422 χ^2/NDF : 1019.9/32

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -13.766 ± 0.429 χ^2/NDF : 1002.2/36

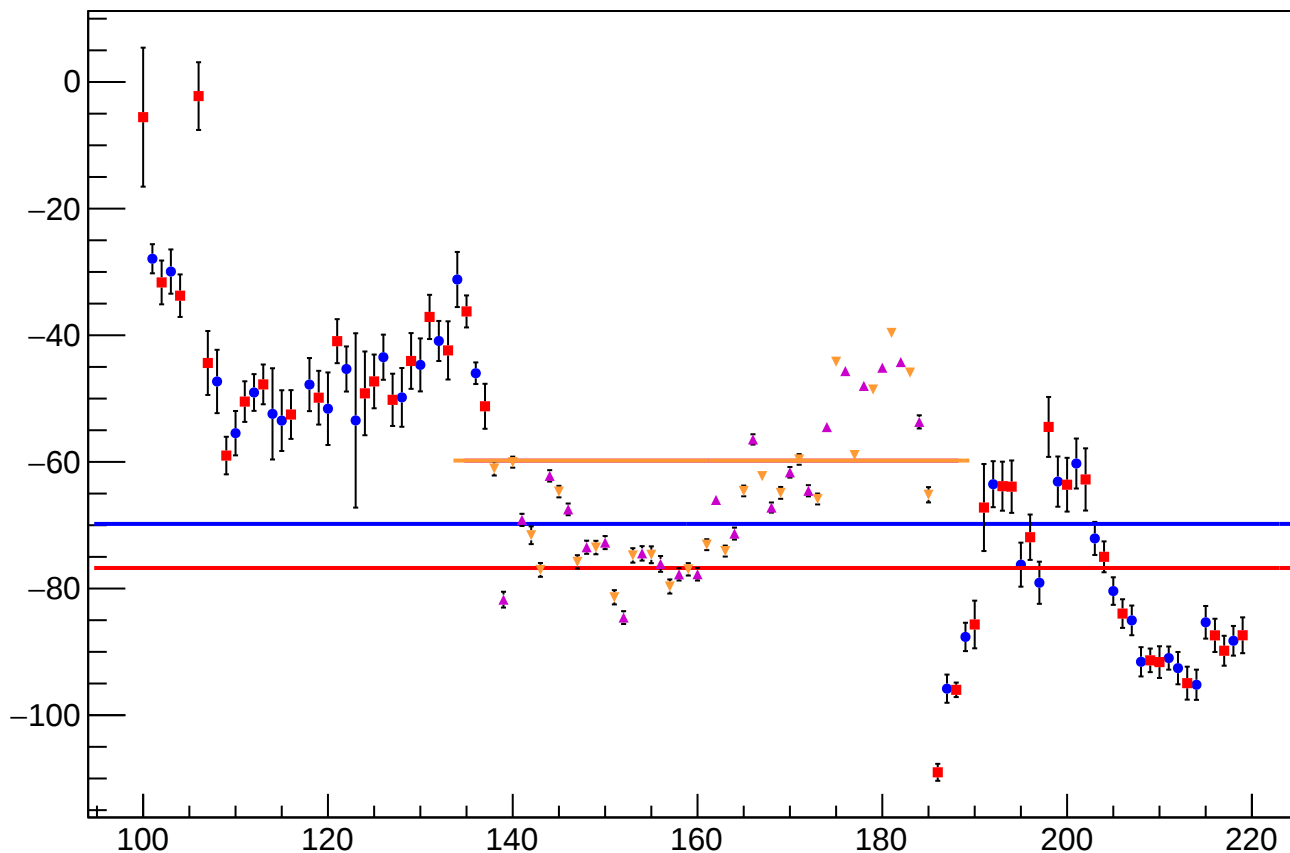
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign -0.154 ± 0.129 χ^2/NDF : 3768.7/57

All: -0.137 ± 0.093 χ^2/NDF : 7936.0/117

- sign -0.118 ± 0.133 χ^2/NDF : 4167.2/59

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -69.793 ± 0.507 $\chi^2/\text{NDF}: 1922.0/32$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -76.753 ± 0.472 $\chi^2/\text{NDF}: 2791.5/36$

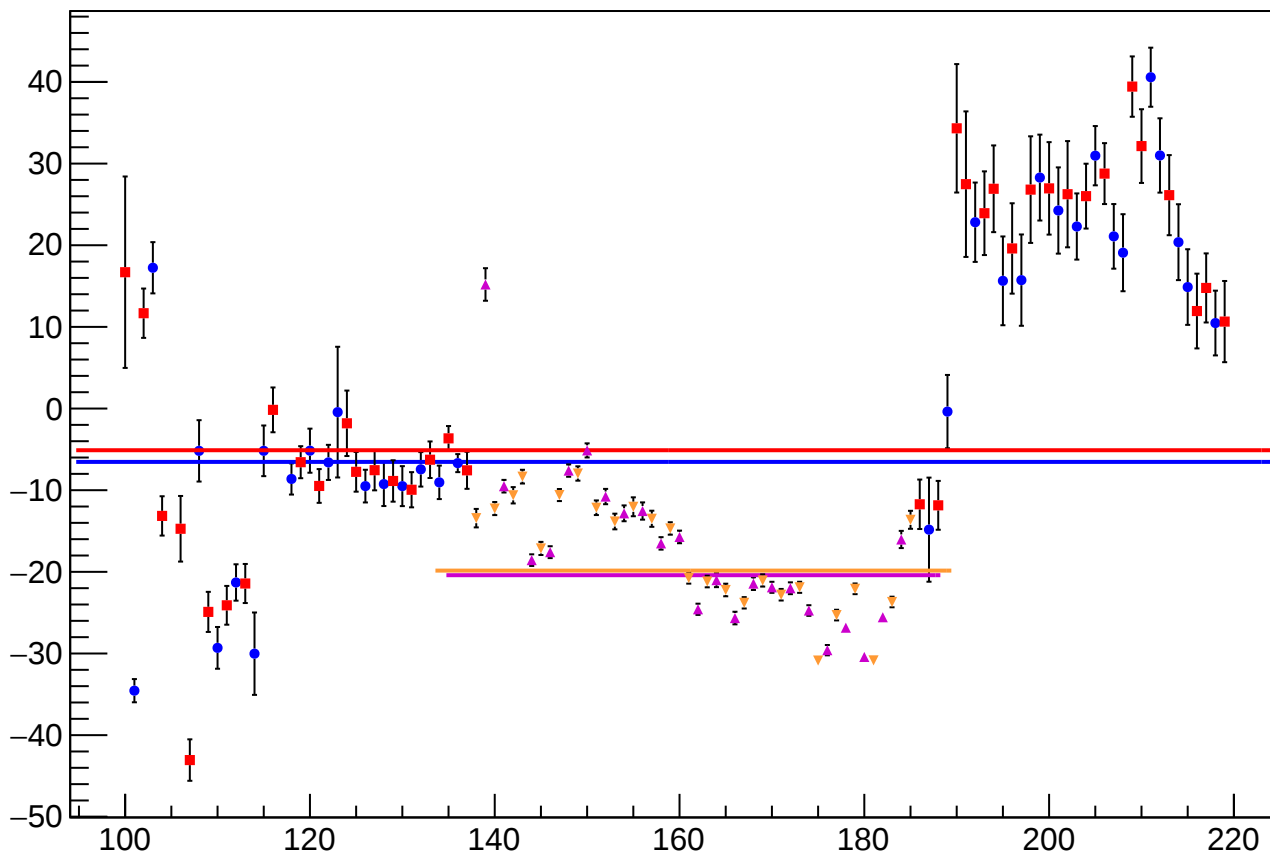
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -60.800 ± 0.161 $\chi^2/\text{NDF}: 8109.4/57$

All: -61.304 ± 0.115 $\chi^2/\text{NDF}: 17275.2/117$

- sign -61.817 ± 0.163 $\chi^2/\text{NDF}: 9146.1/59$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.534 ± 0.475 $\chi^2/\text{NDF}: 1296.3/32$

Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$

Right Out: -5.106 ± 0.492 $\chi^2/\text{NDF}: 1130.5/36$

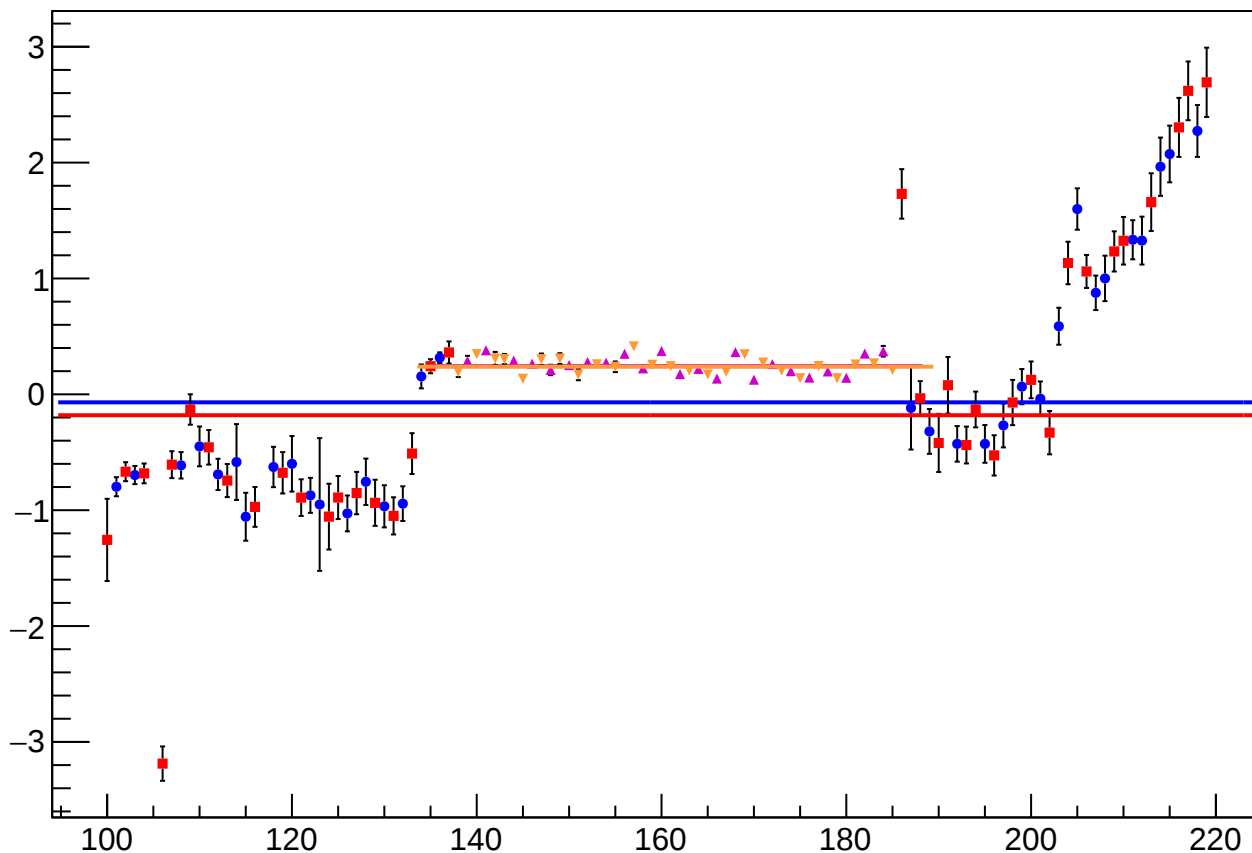
Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

+ sign -18.601 ± 0.145 $\chi^2/\text{NDF}: 3938.7/57$

All: -18.796 ± 0.104 $\chi^2/\text{NDF}: 8252.7/117$

- sign -19.002 ± 0.149 $\chi^2/\text{NDF}: 4310.4/59$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.069 ± 0.024 χ^2/NDF : 999.8/32

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.180 ± 0.024 χ^2/NDF : 1443.4/36

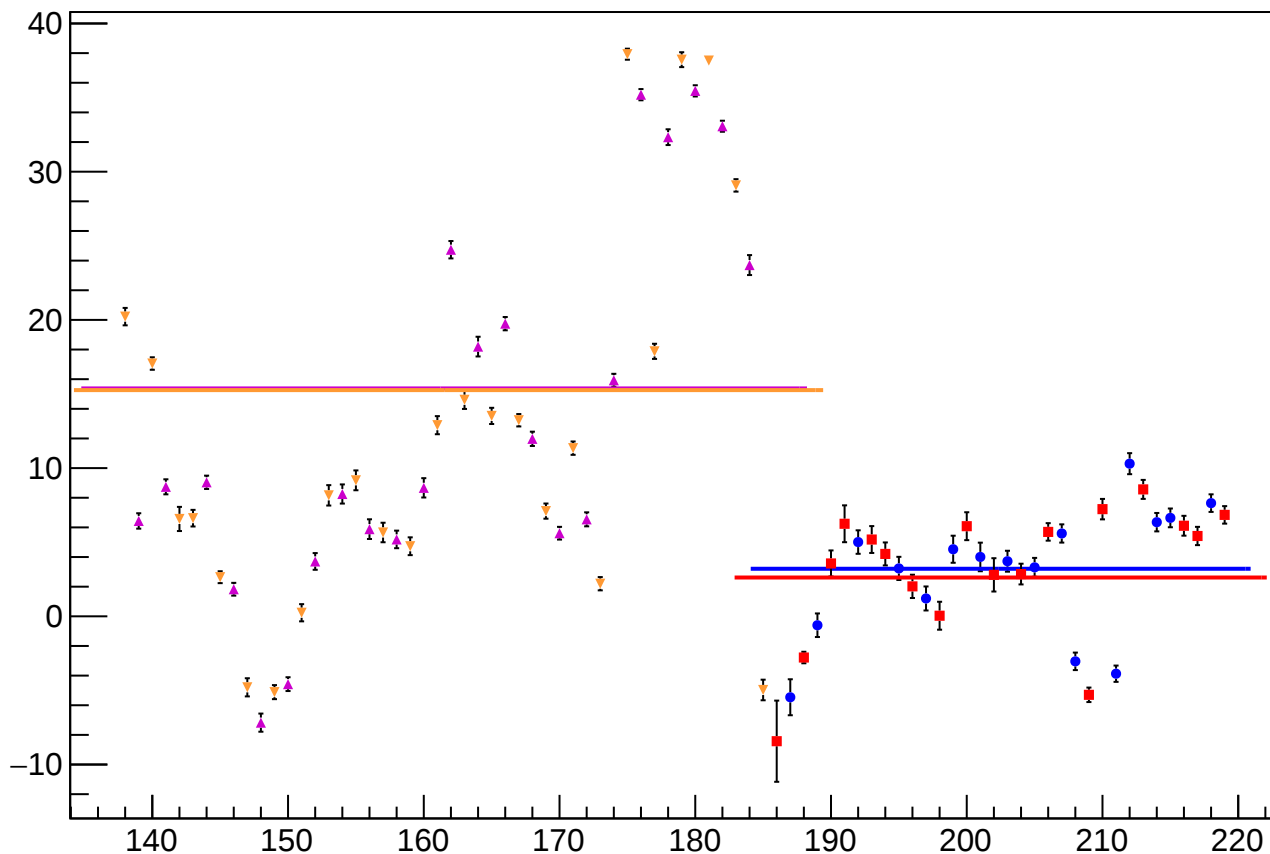
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.214 ± 0.007 χ^2/NDF : 1249.4/57

All: 0.211 ± 0.005 χ^2/NDF : 3115.5/117

- sign 0.209 ± 0.007 χ^2/NDF : 1865.9/59

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.209 ± 0.175 χ^2/NDF : 592.0/15

Left Out: 15.263 ± 0.100 χ^2/NDF : 19175.2/24

Right Out: 2.618 ± 0.163 χ^2/NDF : 771.8/17

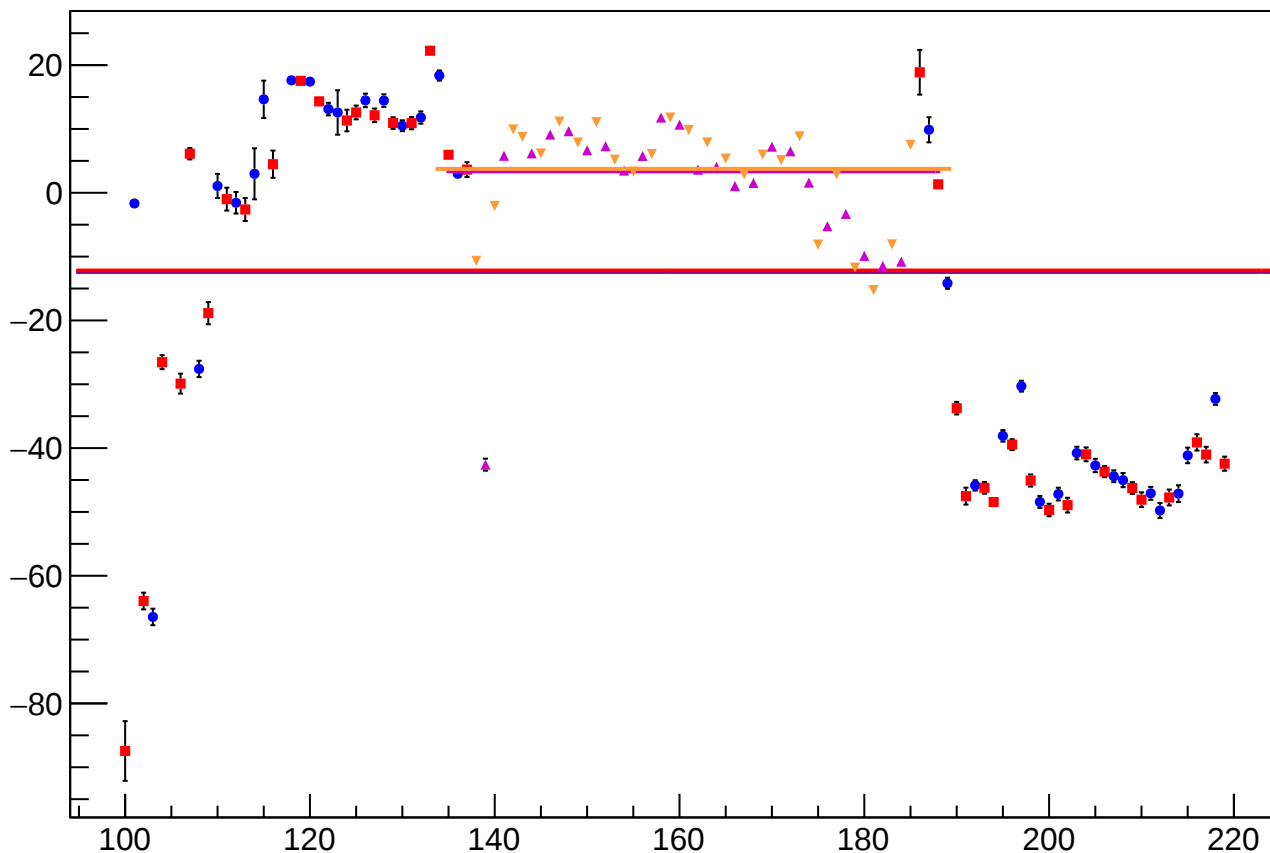
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 12.284 ± 0.087 χ^2/NDF : 23322.8/40

All: 12.017 ± 0.062 χ^2/NDF : 44763.2/81

- sign 11.751 ± 0.087 χ^2/NDF : 21421.7/40

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.378 ± 0.165 χ^2/NDF : 27148.1/32

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -12.182 ± 0.157 χ^2/NDF : 33040.6/36

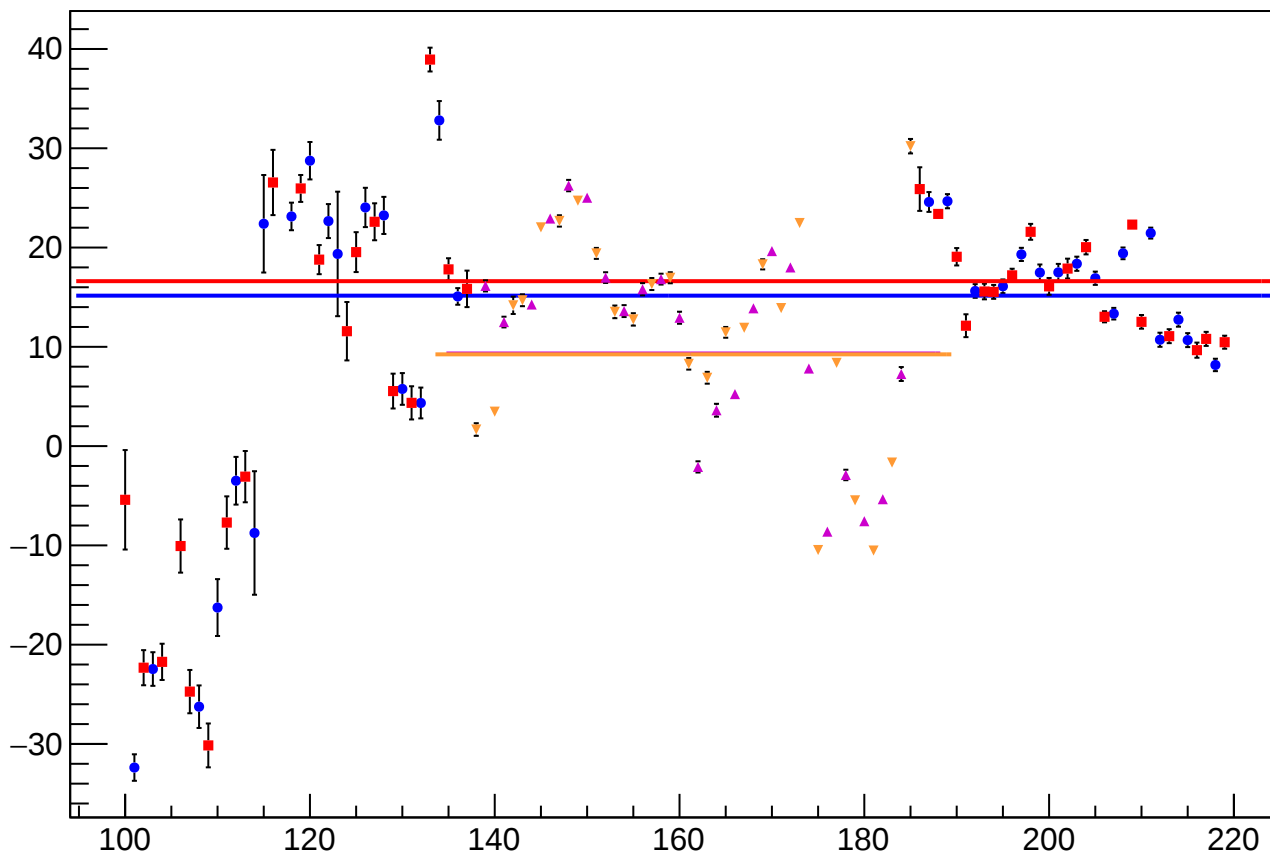
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 0.749 ± 0.071 χ^2/NDF : 44186.6/57

All: 0.420 ± 0.051 χ^2/NDF : 93533.0/117

- sign 0.082 ± 0.072 χ^2/NDF : 49302.9/59

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.154 $\pm$ 0.158 χ^2 /NDF: 3400.6/32

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 16.614 $\pm$ 0.145 χ^2 /NDF: 3589.5/36

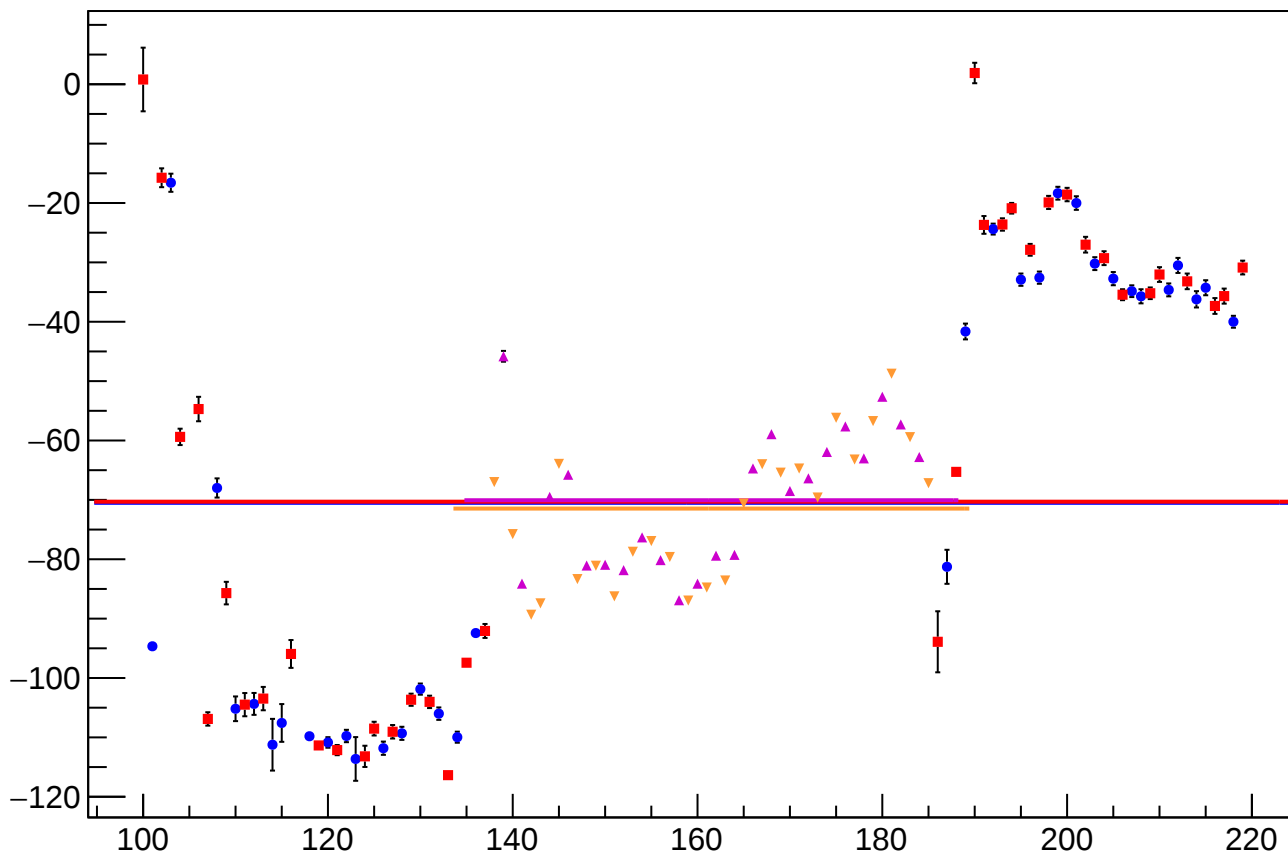
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.948 $\pm$ 0.085 χ^2 /NDF: 18024.2/57

All: 11.353 $\pm$ 0.060 χ^2 /NDF: 35302.1/117

- sign 11.746 $\pm$ 0.084 χ^2 /NDF: 17233.2/59

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -70.495 ± 0.188 χ^2/NDF : 37748.9/32

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -70.304 ± 0.182 χ^2/NDF : 46118.6/36

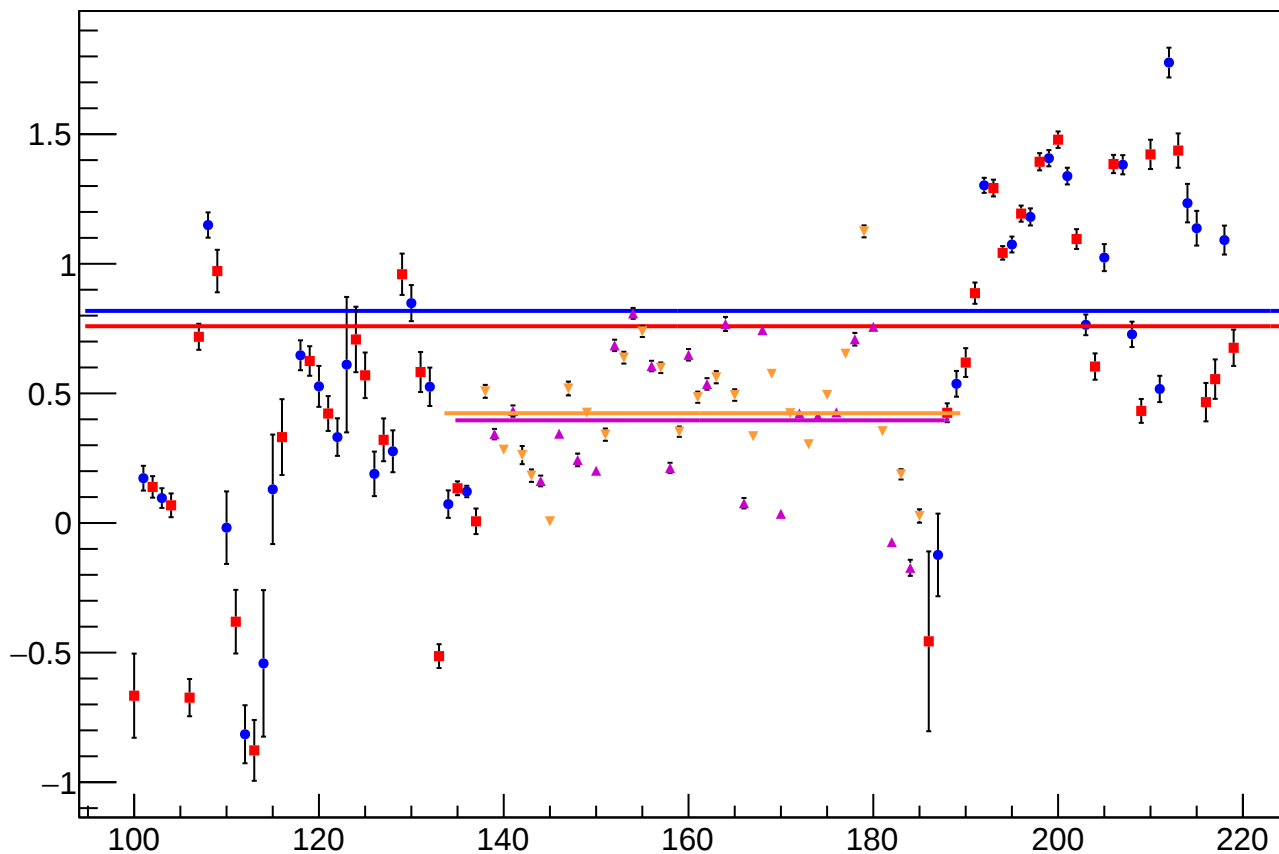
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -71.287 ± 0.081 χ^2/NDF : 54180.2/57

All: -70.708 ± 0.057 χ^2/NDF : 113463.6/117

- sign -70.110 ± 0.082 χ^2/NDF : 59178.6/59

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.818 $\pm$ 0.008 χ^2/NDF : 4039.1/32

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.759 $\pm$ 0.008 χ^2/NDF : 5138.1/36

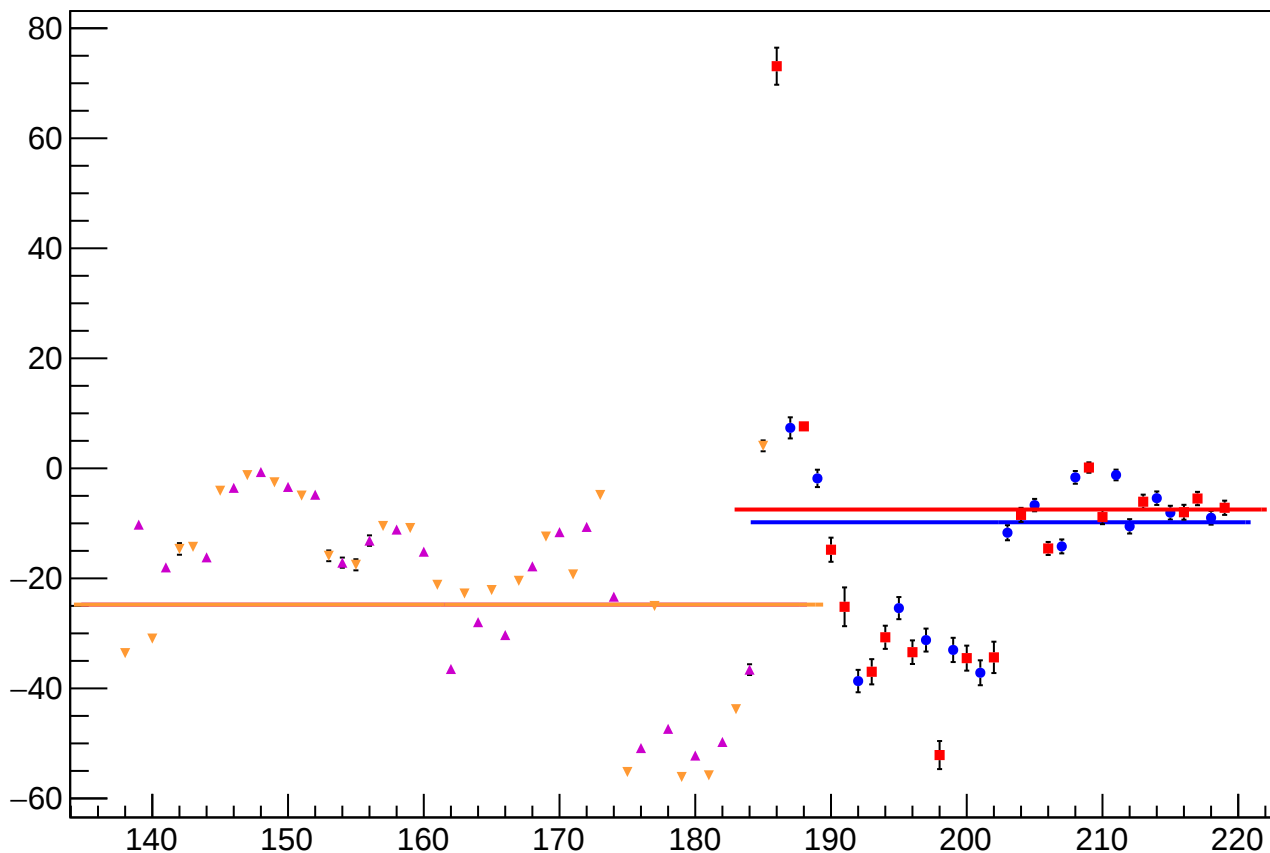
Left In: 0.396 $\pm$ 0.004 χ^2/NDF : 4051.5/22

+ sign 0.501 $\pm$ 0.004 χ^2/NDF : 8752.8/57

All: 0.488 $\pm$ 0.003 χ^2/NDF : 19617.2/117

- sign 0.475 $\pm$ 0.004 χ^2/NDF : 10838.9/59

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -9.801 ± 0.352 χ^2/NDF : 892.6/15

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: -7.484 ± 0.343 χ^2/NDF : 2040.6/17

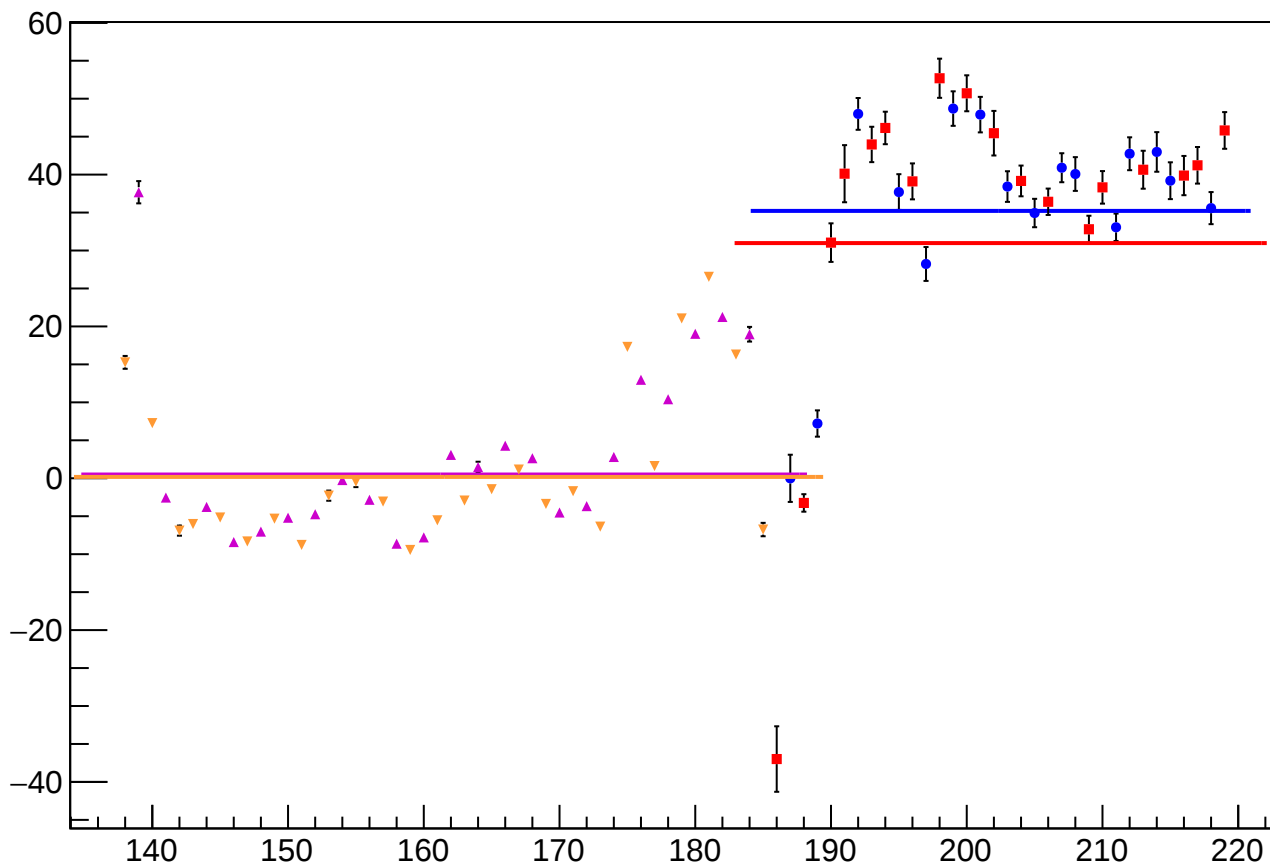
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -22.745 ± 0.130 χ^2/NDF : 20770.8/40

All: -22.487 ± 0.092 χ^2/NDF : 39793.9/81

- sign -22.220 ± 0.132 χ^2/NDF : 19015.1/40

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 35.219+/-0.535 χ^2/NDF : 543.7/15

Left Out: 0.177+/-0.109 χ^2/NDF : 8295.6/24

Right Out: 30.979+/-0.512 χ^2/NDF : 1515.2/17

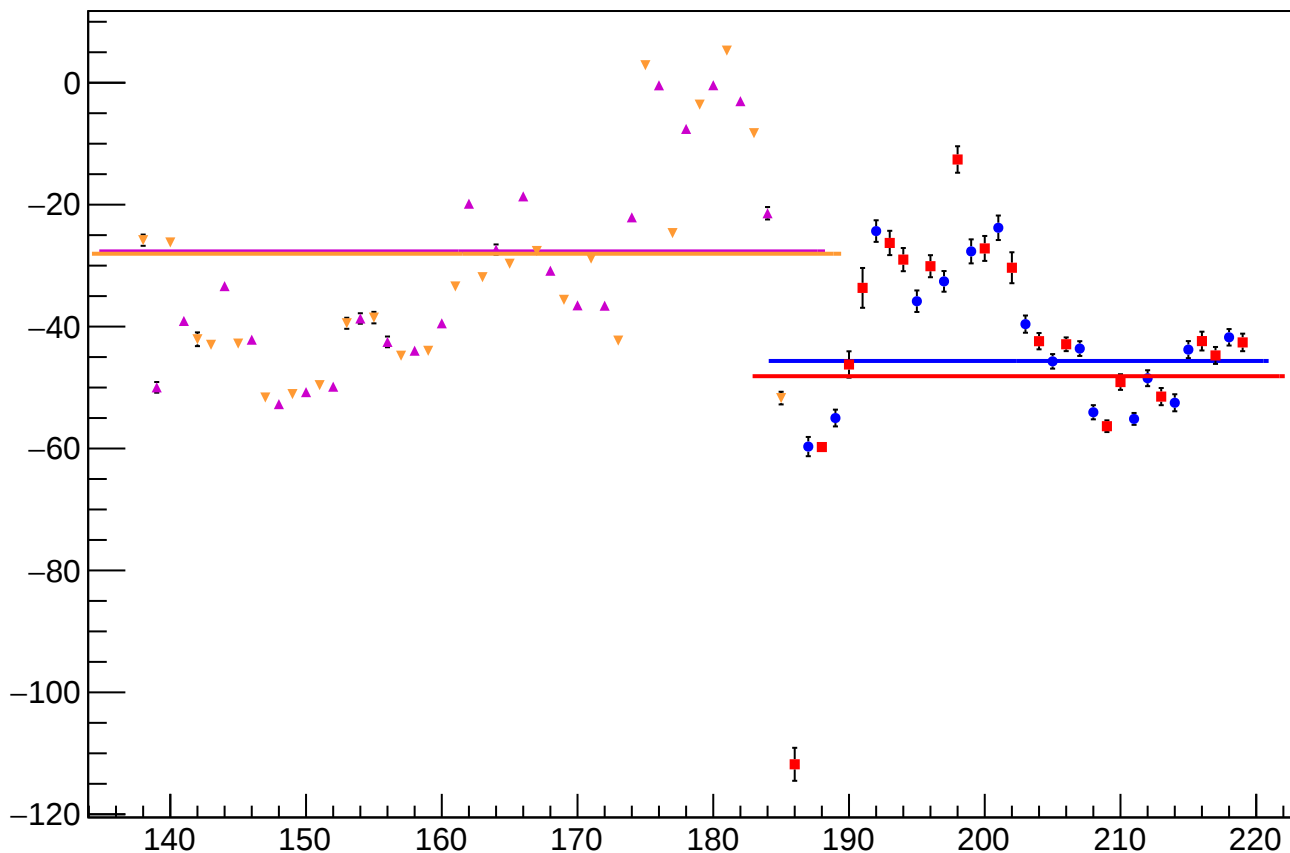
Left In: 0.493+/-0.112 χ^2/NDF : 6555.4/22

+ sign 1.561+/-0.106 χ^2/NDF : 12957.1/40

All: 1.721+/-0.076 χ^2/NDF : 24419.4/81

- sign 1.890+/-0.110 χ^2/NDF : 11457.6/40

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -45.639 ± 0.348 χ^2/NDF : 768.8/15

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -48.137 ± 0.329 χ^2/NDF : 1793.0/17

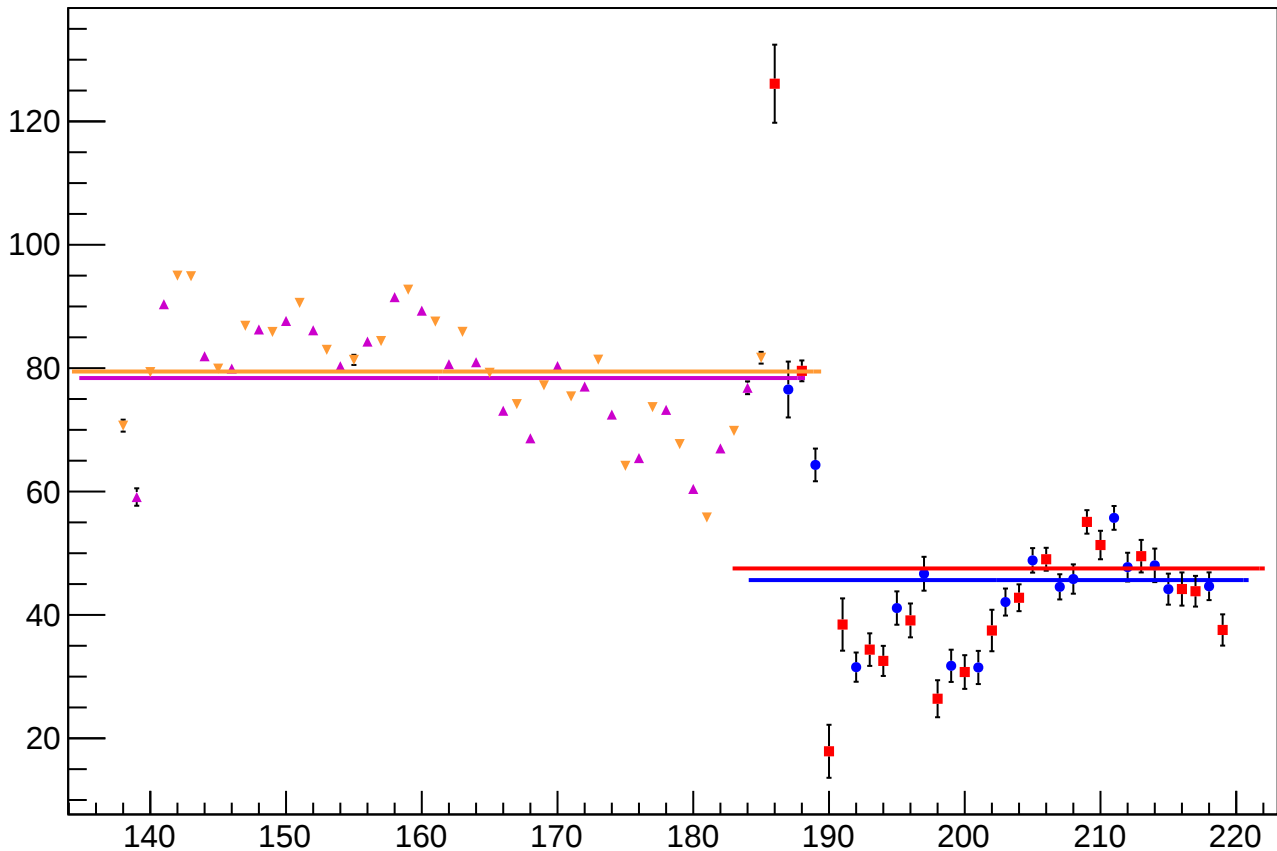
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -30.496 ± 0.130 χ^2/NDF : 20112.7/40

All: -30.696 ± 0.092 χ^2/NDF : 40173.6/81

- sign -30.898 ± 0.131 χ^2/NDF : 20056.2/40

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 45.647 ± 0.603 χ^2/NDF : 225.6/15

Left Out: 79.456 ± 0.123 χ^2/NDF : 6077.1/24

Right Out: 47.532 ± 0.595 χ^2/NDF : 779.0/17

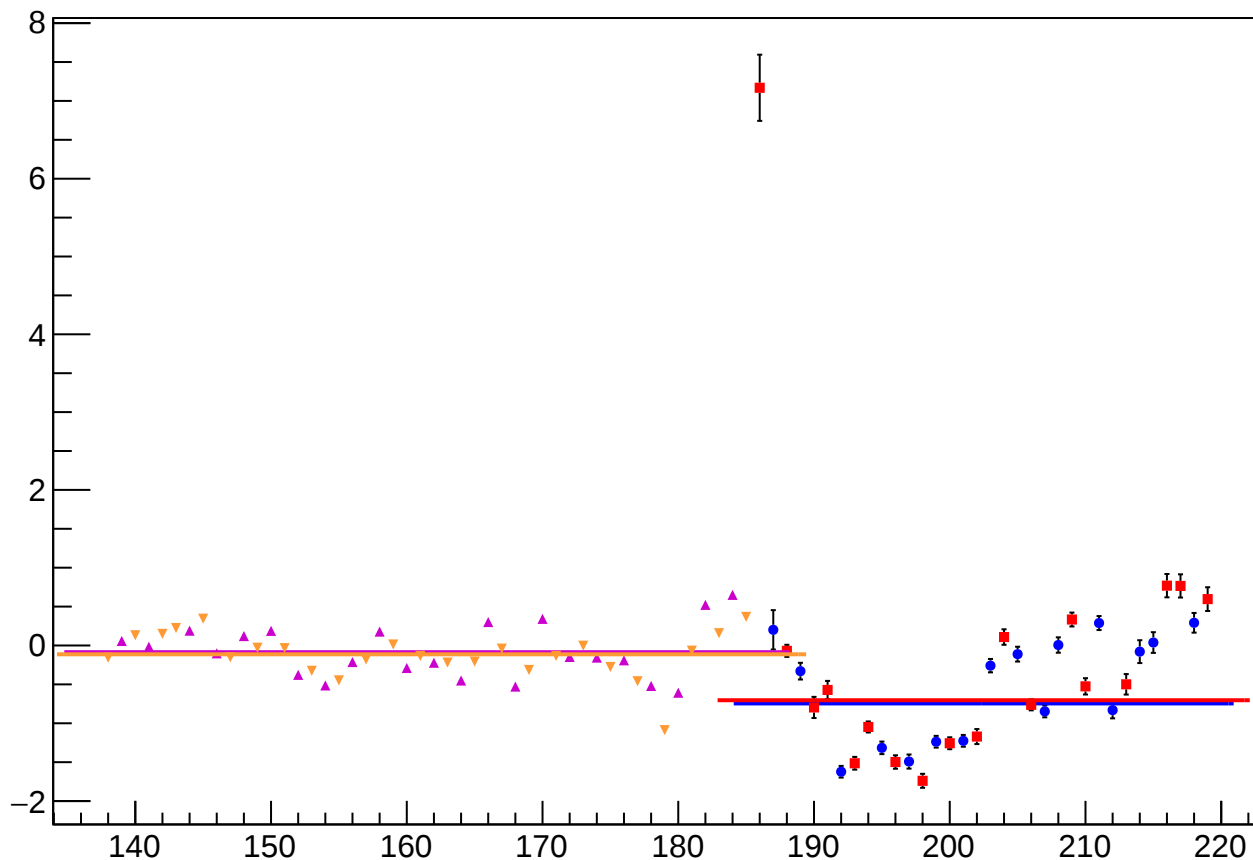
Left In: 78.396 ± 0.127 χ^2/NDF : 4707.3/22

+ sign 78.103 ± 0.121 χ^2/NDF : 9316.4/40

All: 77.593 ± 0.086 χ^2/NDF : 17416.9/81

- sign 77.055 ± 0.124 χ^2/NDF : 8063.8/40

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.745 ± 0.024 χ^2/NDF : 757.4/15

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.704 ± 0.023 χ^2/NDF : 1298.5/17

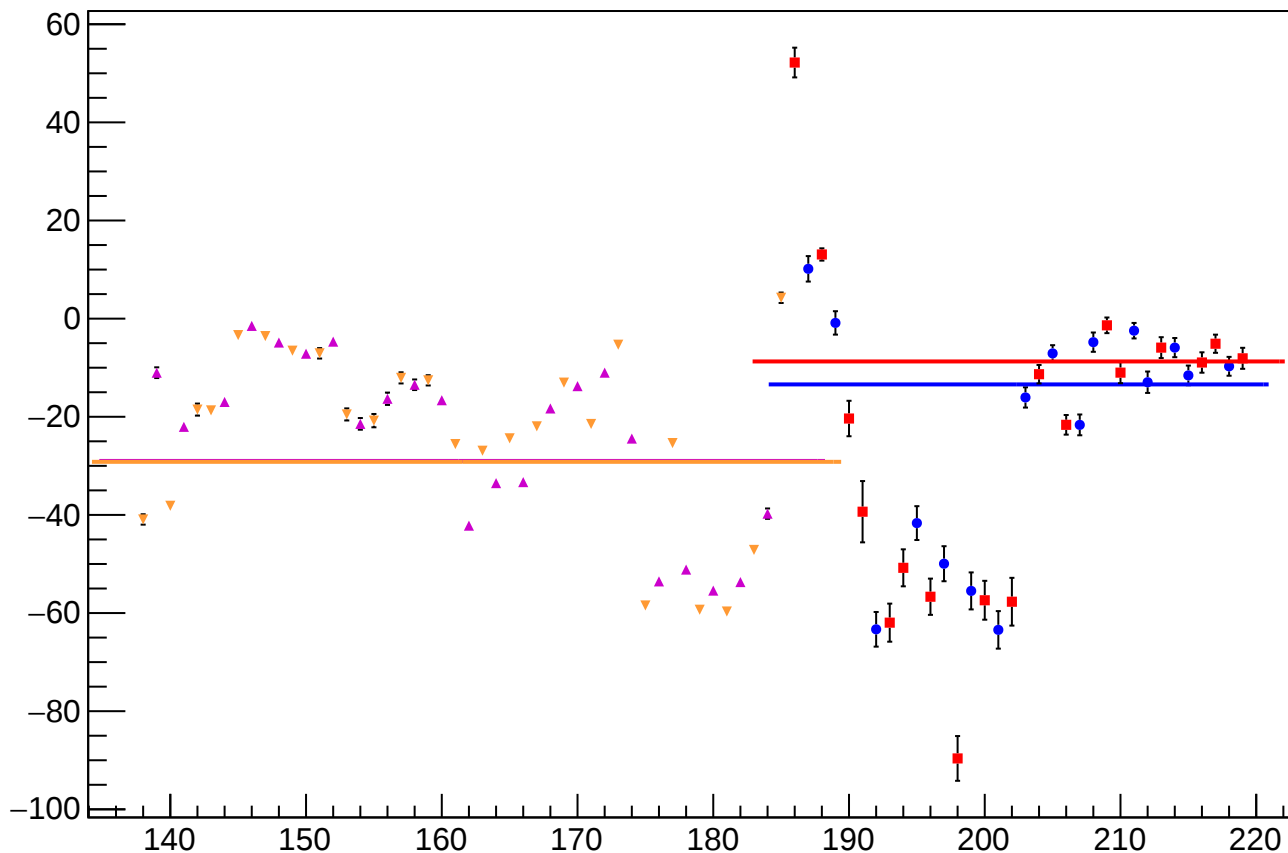
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.148 ± 0.006 χ^2/NDF : 3739.6/40

All: -0.136 ± 0.004 χ^2/NDF : 8857.4/81

- sign -0.123 ± 0.006 χ^2/NDF : 5107.7/40

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -13.404 ± 0.562 χ^2/NDF : 894.7/15

Left Out: -29.180 ± 0.157 χ^2/NDF : 16912.2/24

Right Out: -8.723 ± 0.549 χ^2/NDF : 1861.7/17

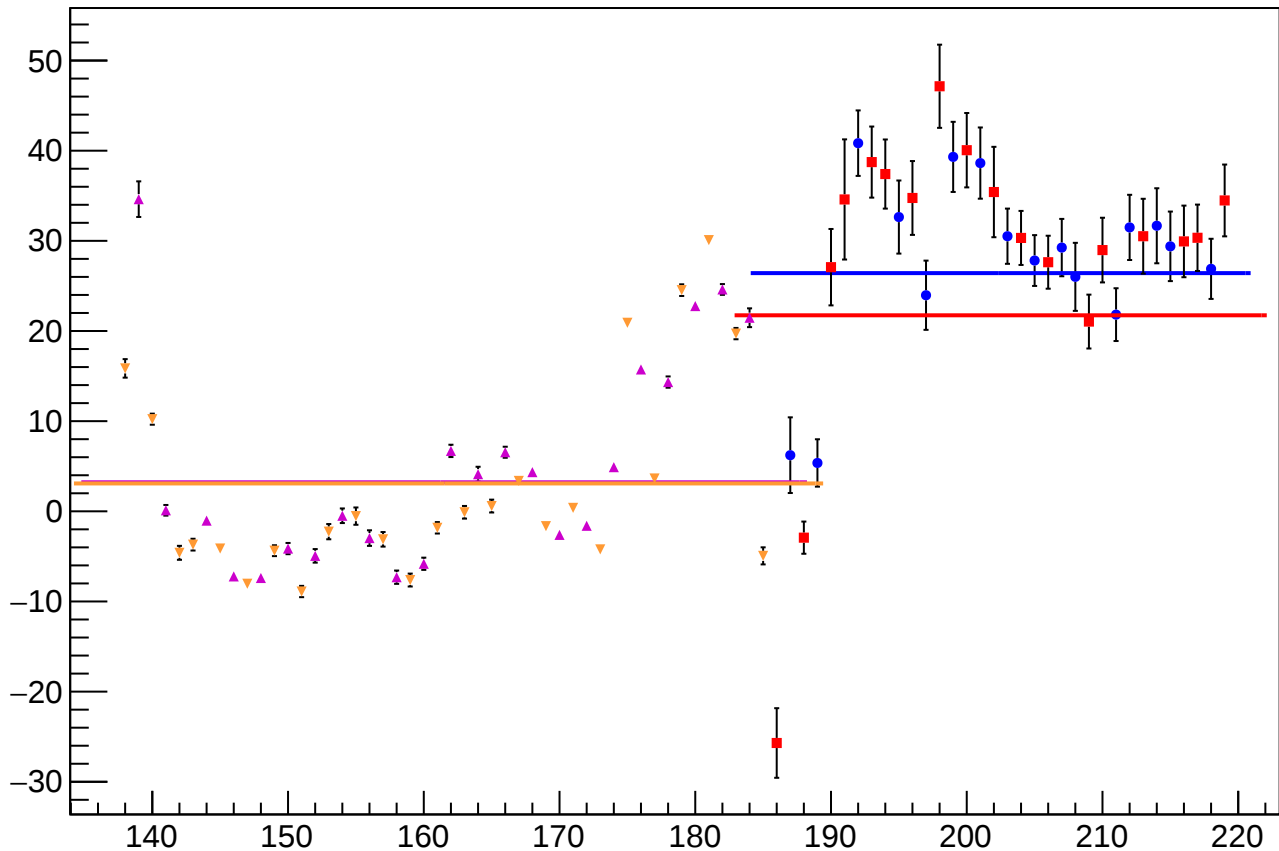
Left In: -29.003 ± 0.160 χ^2/NDF : 13416.8/22

+ sign -28.040 ± 0.151 χ^2/NDF : 18538.9/40

All: -27.734 ± 0.108 χ^2/NDF : 35083.7/81

- sign -27.419 ± 0.153 χ^2/NDF : 16536.4/40

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 26.421 ± 0.862 $\chi^2/\text{NDF}: 135.9/15$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 21.742 ± 0.824 $\chi^2/\text{NDF}: 490.8/17$

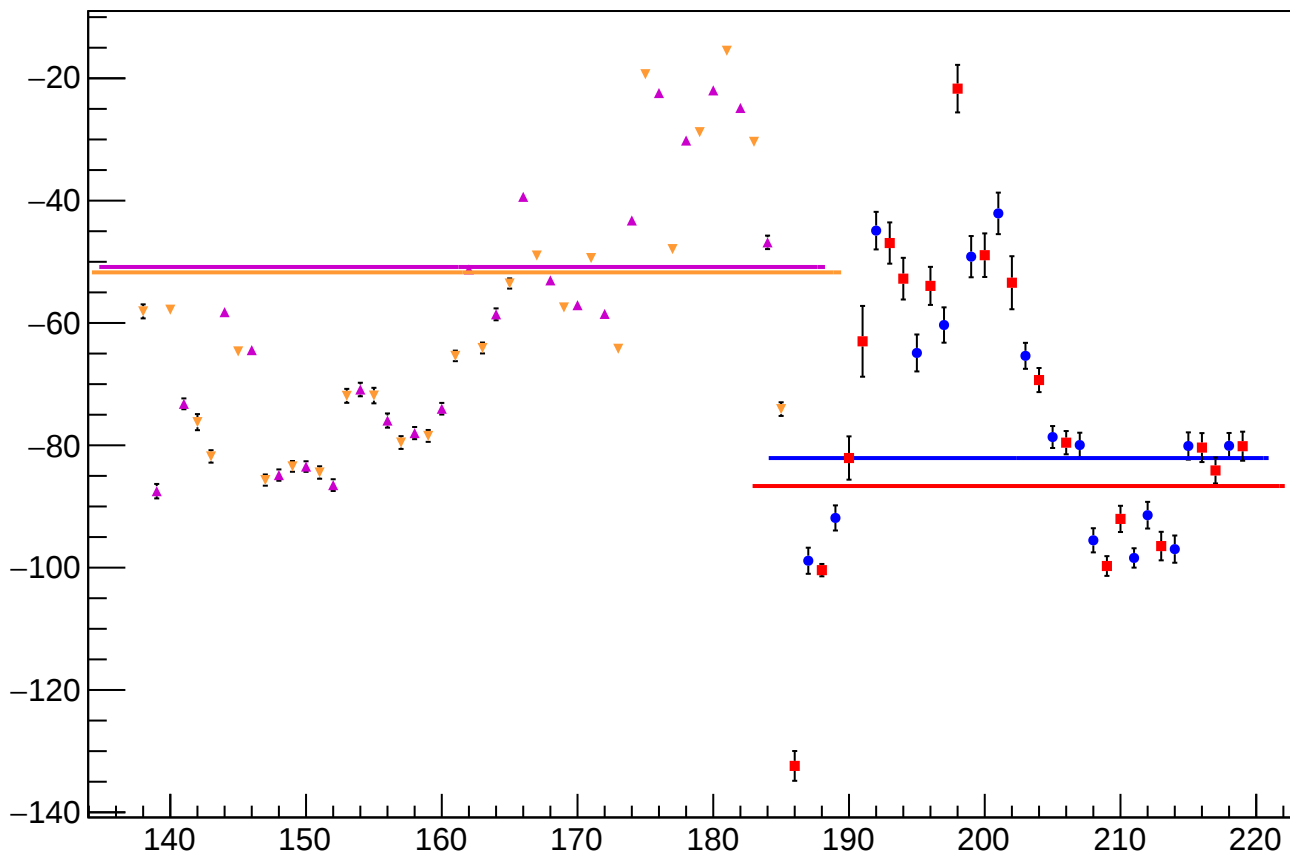
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.567 ± 0.123 $\chi^2/\text{NDF}: 8937.7/40$

All: 3.608 ± 0.088 $\chi^2/\text{NDF}: 16159.6/81$

- sign 3.650 ± 0.125 $\chi^2/\text{NDF}: 7221.7/40$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -82.085 ± 0.555 $\chi^2/\text{NDF}: 838.9/15$

Left Out: -51.729 ± 0.158 $\chi^2/\text{NDF}: 19538.0/24$

Right Out: -86.657 ± 0.525 $\chi^2/\text{NDF}: 1552.3/17$

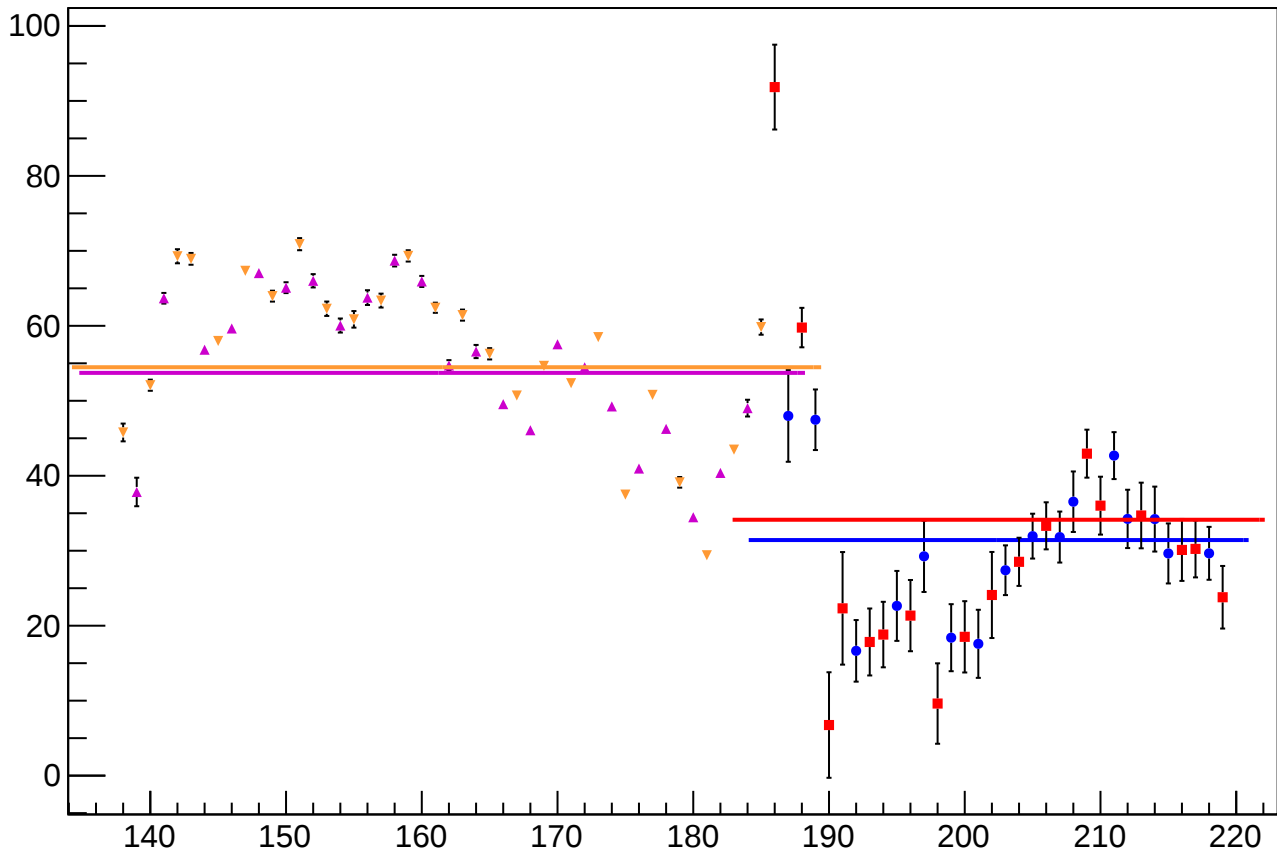
Left In: -50.844 ± 0.160 $\chi^2/\text{NDF}: 17272.0/22$

+ sign -53.999 ± 0.152 $\chi^2/\text{NDF}: 23140.8/40$

All: -53.946 ± 0.108 $\chi^2/\text{NDF}: 46224.7/81$

- sign -53.893 ± 0.153 $\chi^2/\text{NDF}: 23083.7/40$

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.423 $\pm$ 0.976 χ^2 /NDF: 75.0/15

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF: 6266.9/24

Right Out: 34.132 $\pm$ 0.967 χ^2 /NDF: 303.1/17

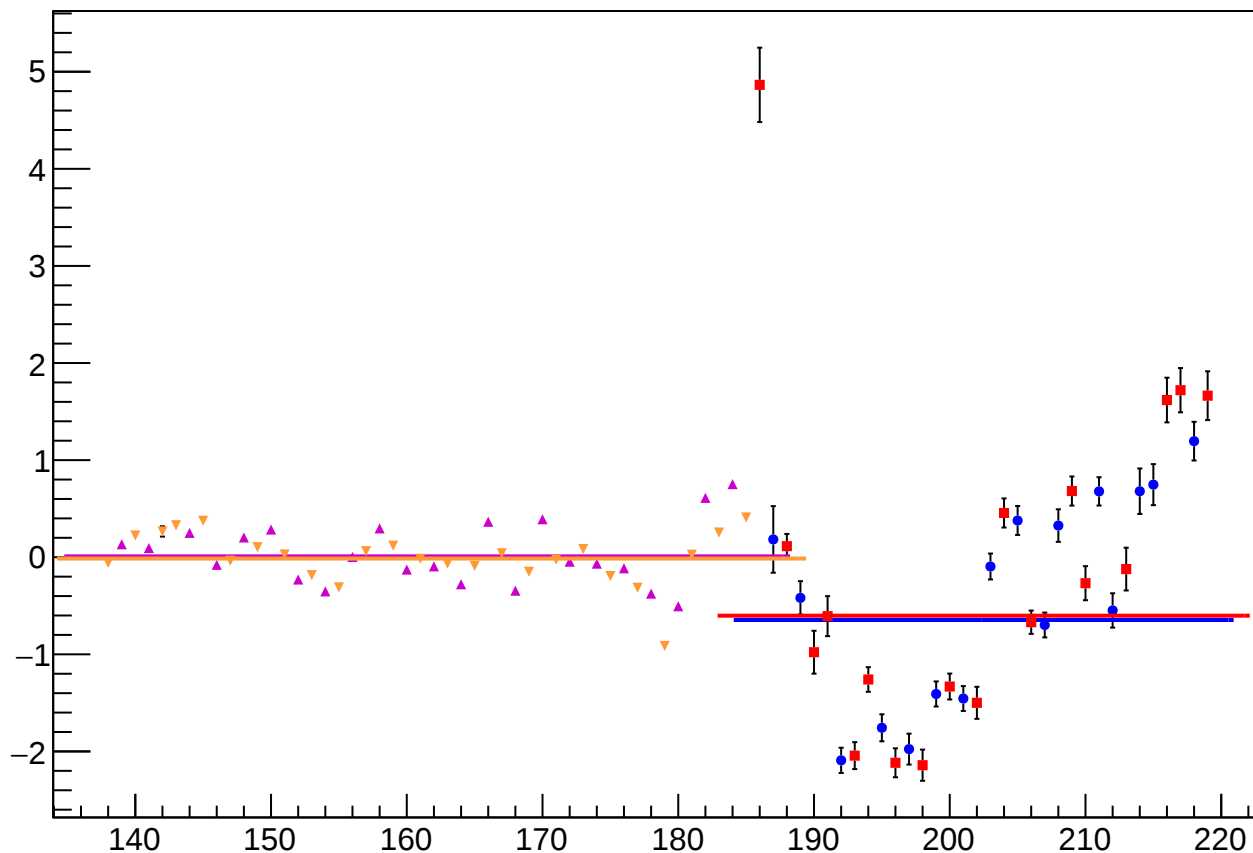
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.009 $\pm$ 0.139 χ^2 /NDF: 6888.9/40

All: 53.663 $\pm$ 0.099 χ^2 /NDF: 12192.3/81

- sign 53.303 $\pm$ 0.142 χ^2 /NDF: 5290.8/40

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.646 ± 0.039 χ^2/NDF : 681.1/15

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.602 ± 0.039 χ^2/NDF : 1038.5/17

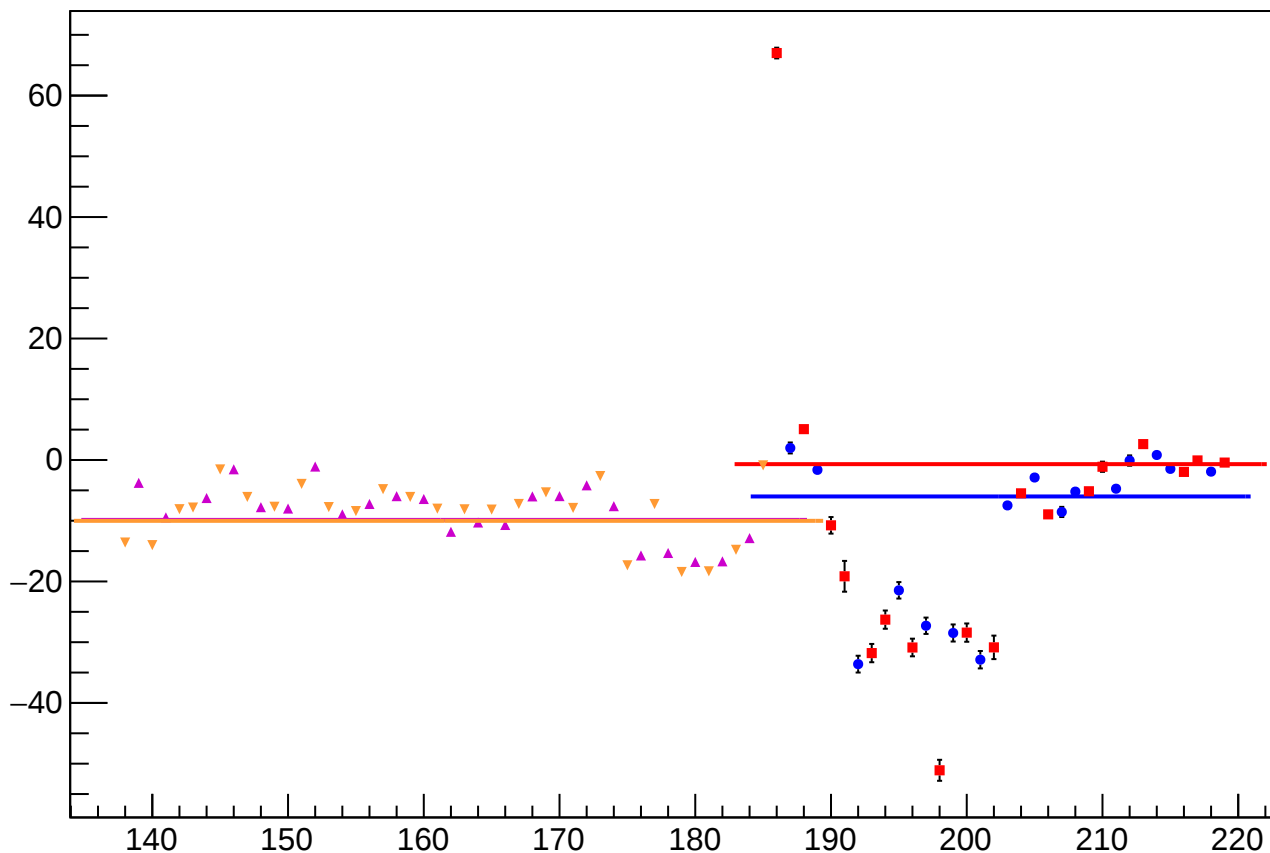
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.030 ± 0.006 χ^2/NDF : 2591.8/40

All: -0.019 ± 0.005 χ^2/NDF : 6100.2/81

- sign -0.008 ± 0.006 χ^2/NDF : 3502.3/40

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -6.004 ± 0.212 χ^2/NDF : 1737.2/15

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.684 ± 0.205 χ^2/NDF : 8936.9/17

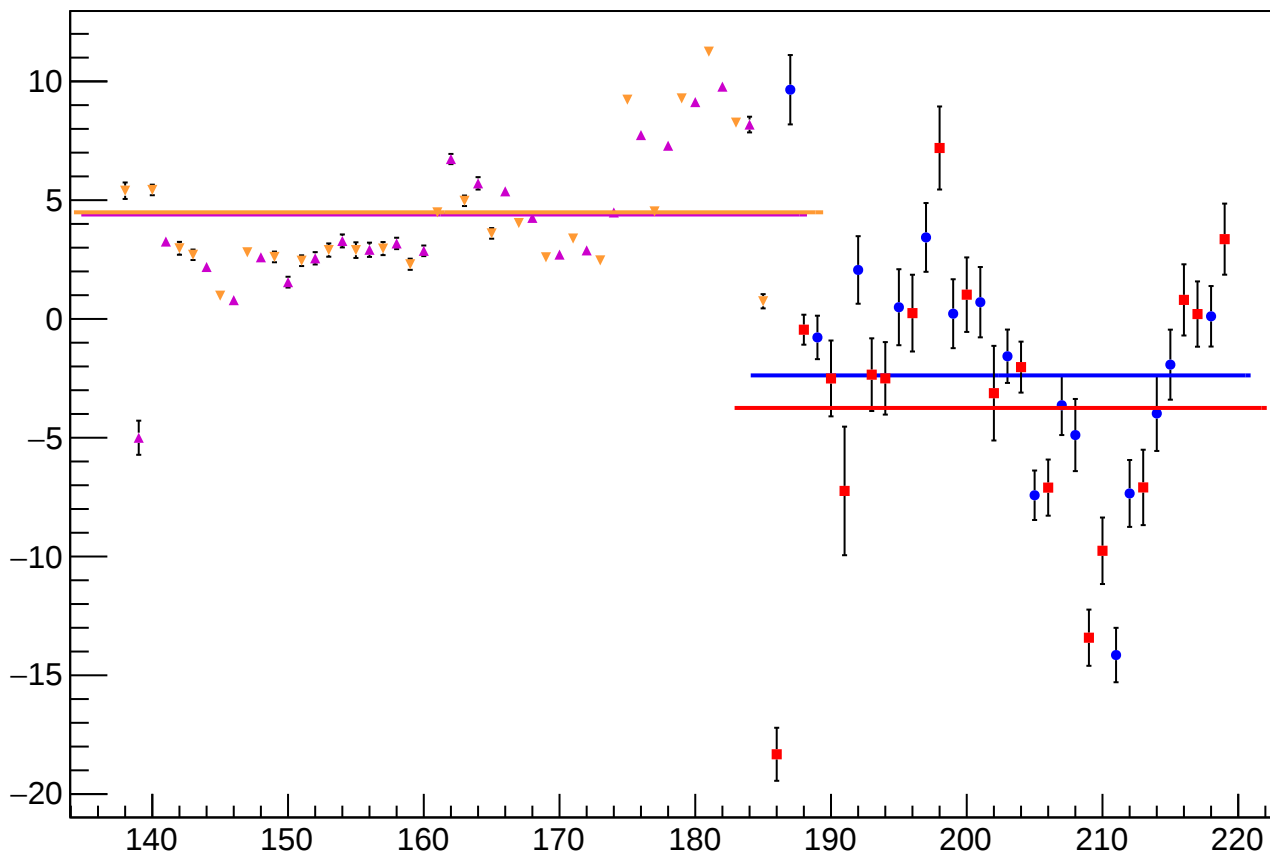
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.801 ± 0.049 χ^2/NDF : 14628.1/40

All: -9.563 ± 0.035 χ^2/NDF : 34850.9/81

- sign -9.321 ± 0.050 χ^2/NDF : 20175.9/40

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -2.376 ± 0.325 χ^2/NDF : 258.3/15

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -3.746 ± 0.306 χ^2/NDF : 396.7/17

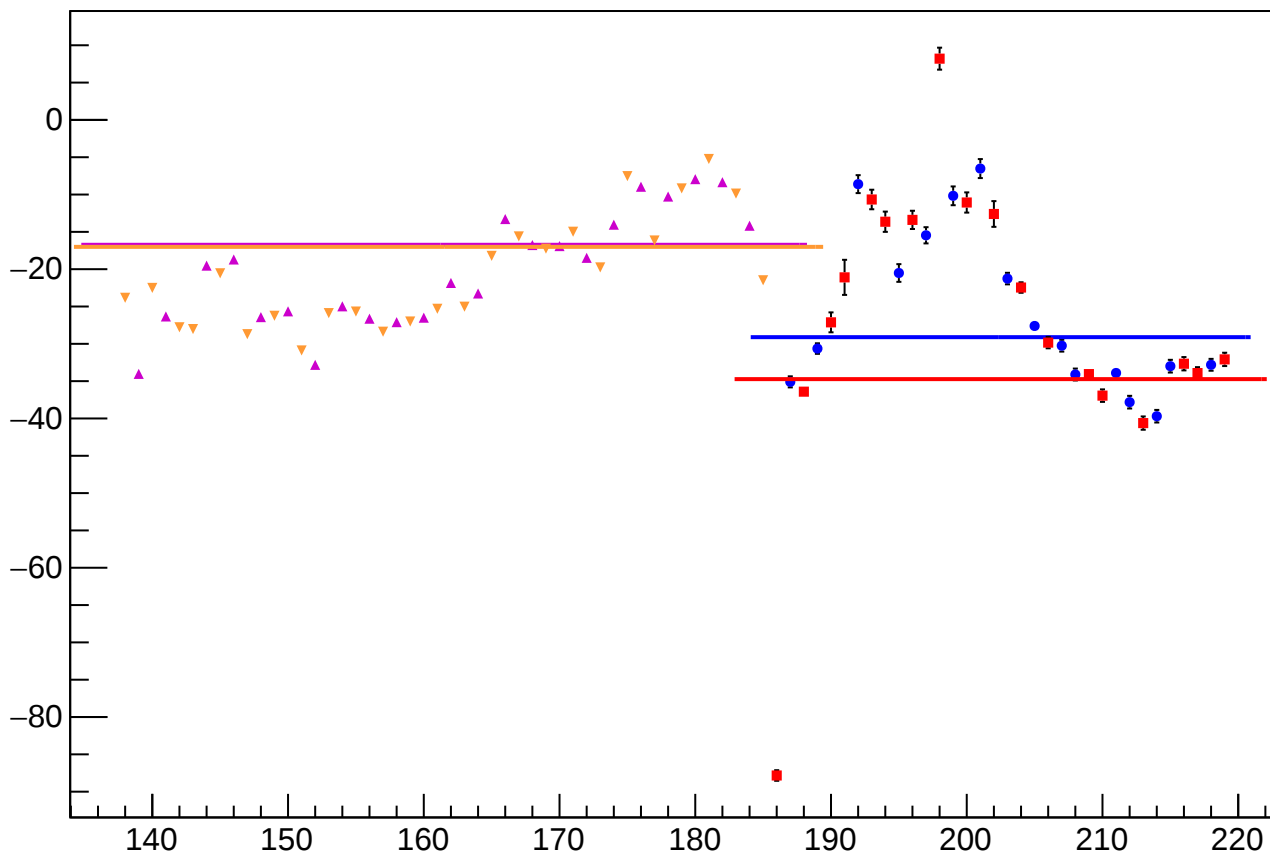
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.383 ± 0.040 χ^2/NDF : 5530.8/40

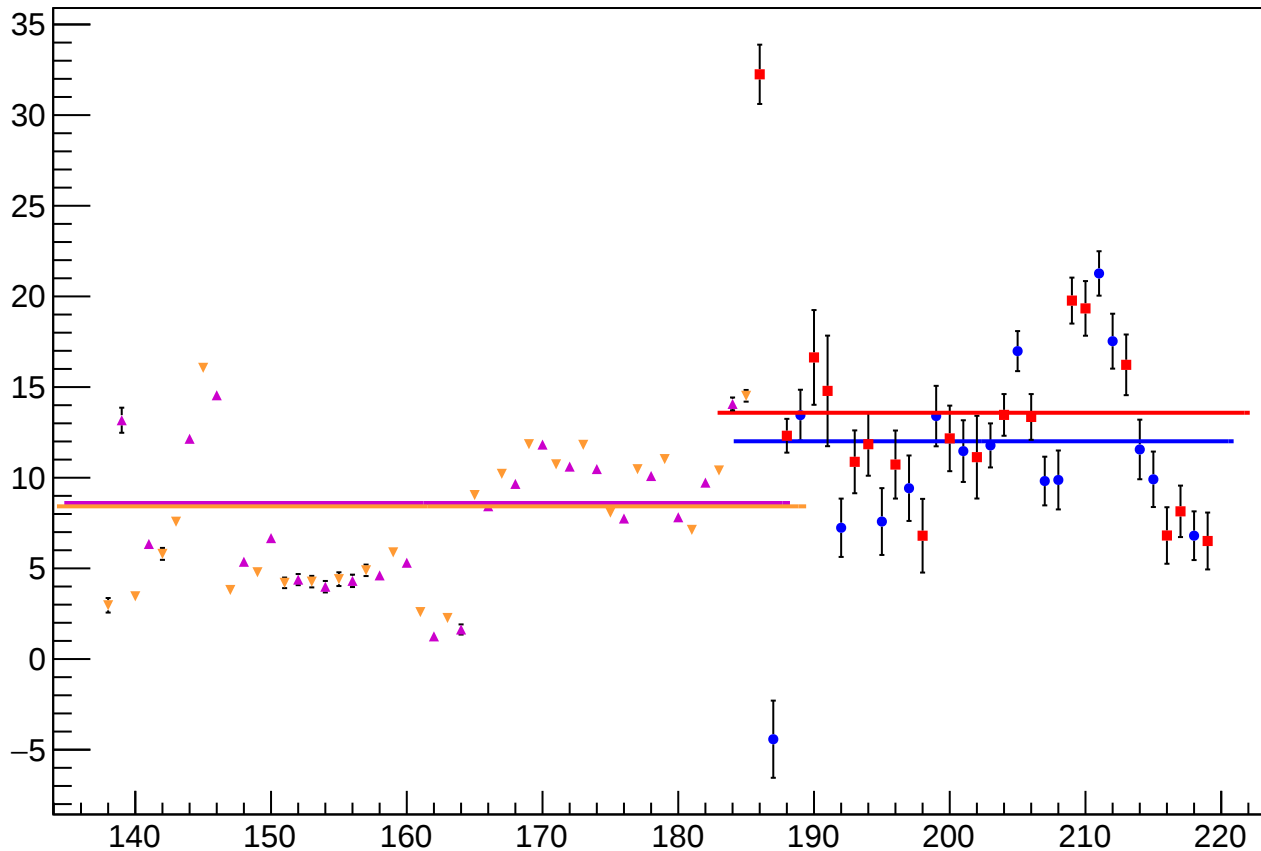
All: 4.317 ± 0.029 χ^2/NDF : 10859.9/81

- sign 4.251 ± 0.041 χ^2/NDF : 5323.8/40

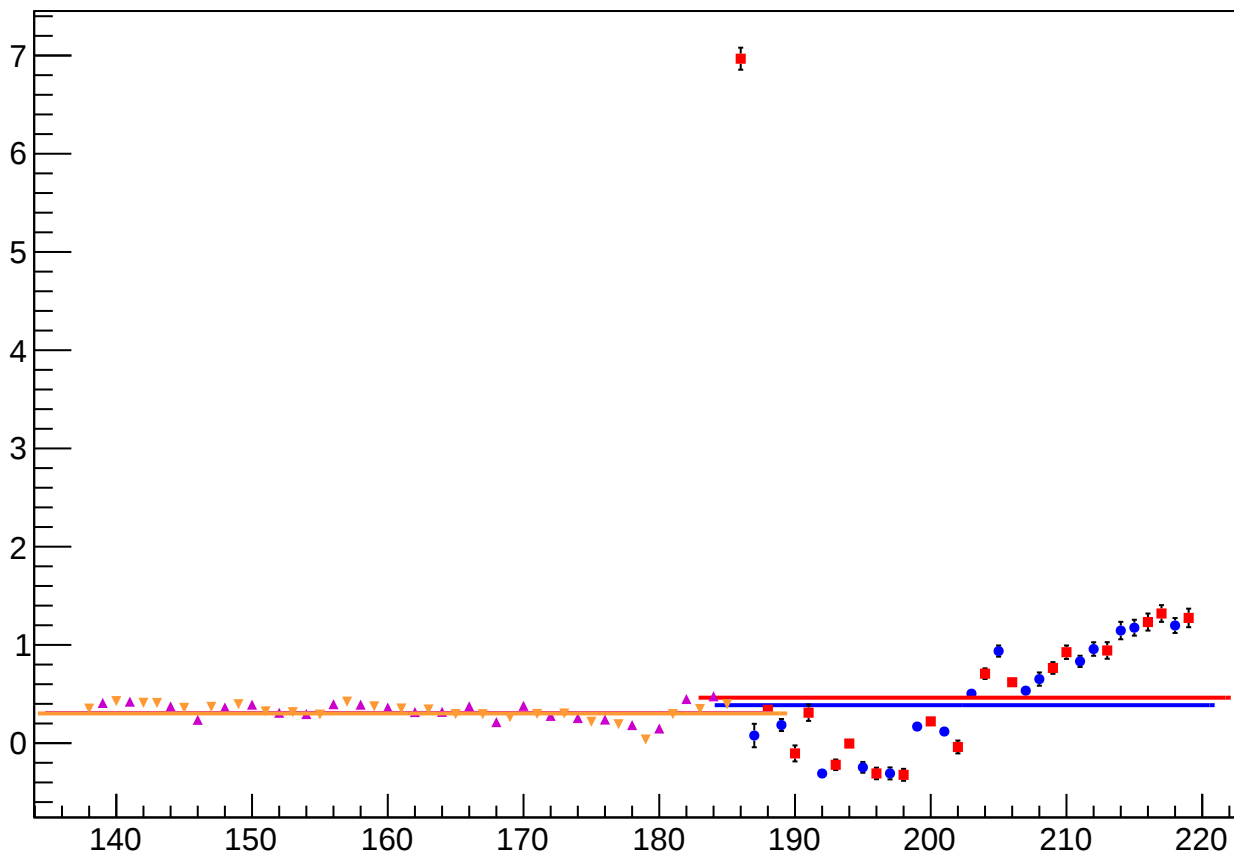
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.387 ± 0.015 χ^2/NDF : 1054.4/15

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.463 ± 0.015 χ^2/NDF : 4476.1/17

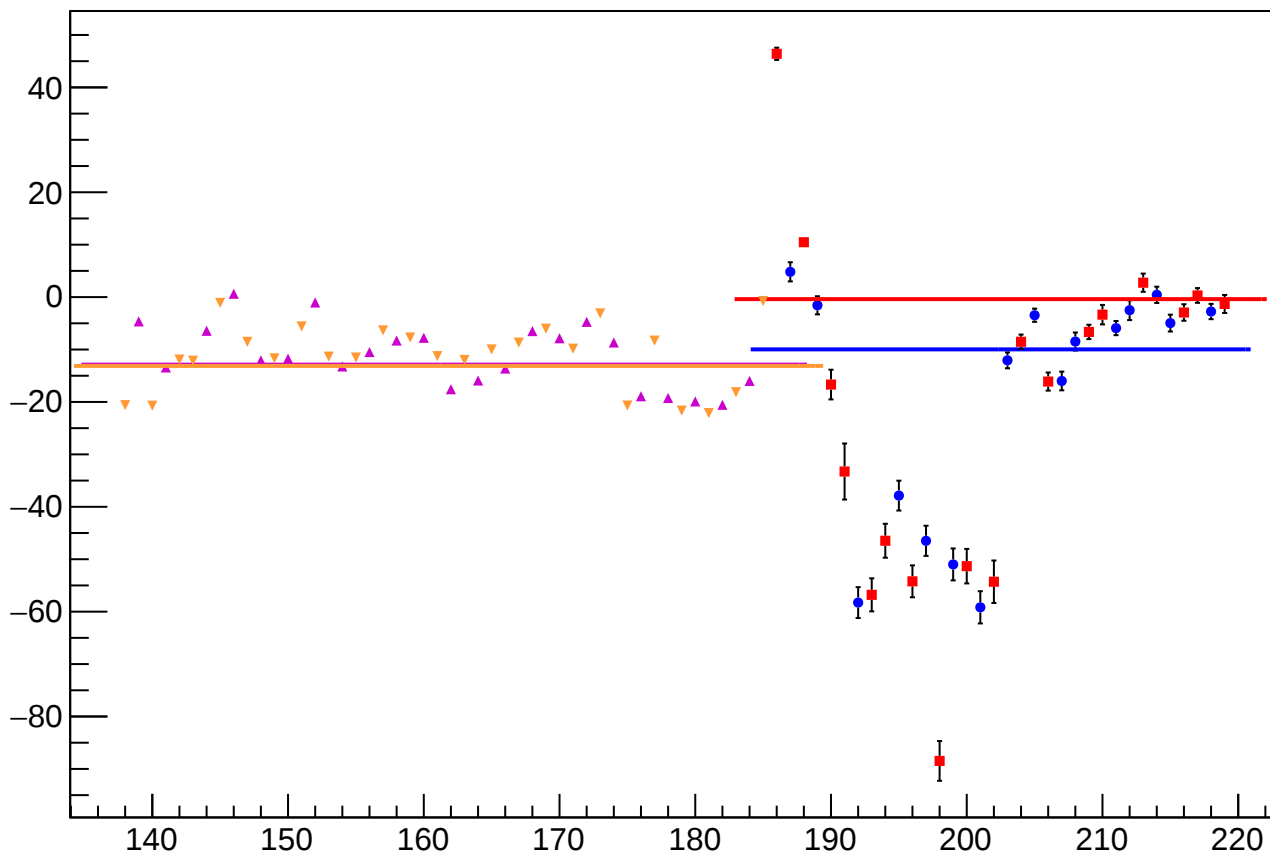
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.304 ± 0.002 χ^2/NDF : 2676.5/40

All: 0.307 ± 0.001 χ^2/NDF : 8965.2/81

- sign 0.310 ± 0.002 χ^2/NDF : 6284.2/40

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -9.973 ± 0.446 $\chi^2/\text{NDF}: 1197.4/15$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: -0.387 ± 0.414 $\chi^2/\text{NDF}: 3755.8/17$

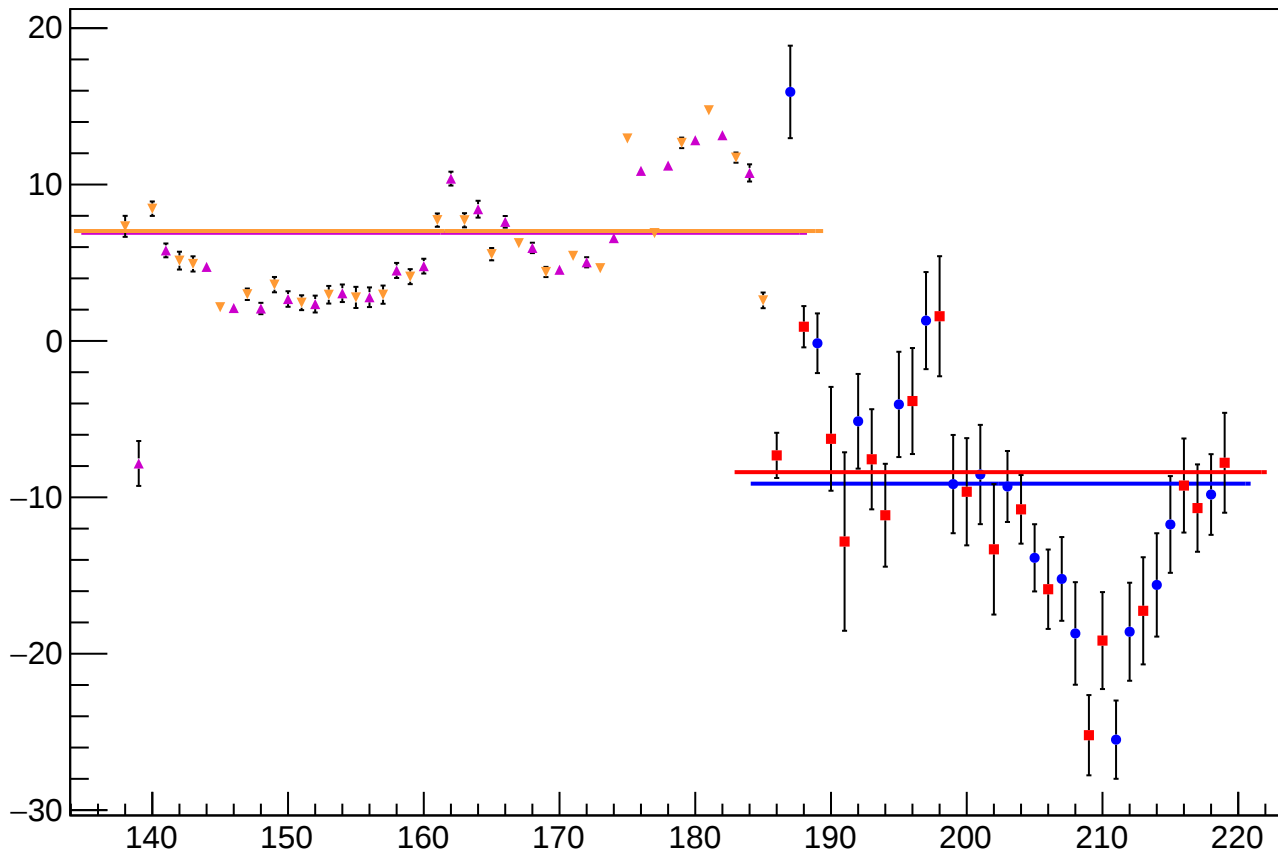
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -12.992 ± 0.092 $\chi^2/\text{NDF}: 7222.9/40$

All: -12.629 ± 0.065 $\chi^2/\text{NDF}: 16652.7/81$

- sign -12.258 ± 0.093 $\chi^2/\text{NDF}: 9398.2/40$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -9.126 ± 0.683 χ^2/NDF : 184.3/15

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -8.390 ± 0.608 χ^2/NDF : 134.5/17

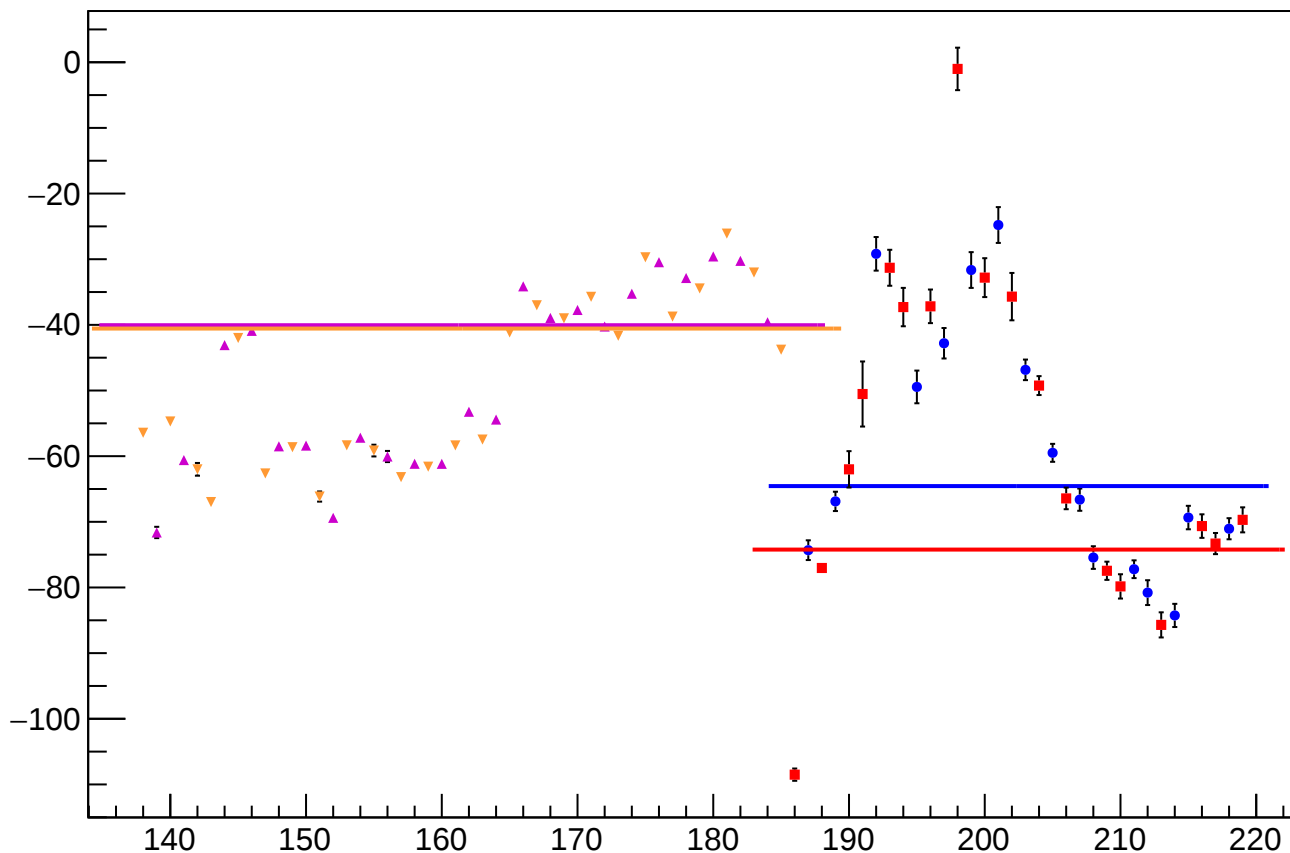
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 6.824 ± 0.077 χ^2/NDF : 3401.5/40

All: 6.747 ± 0.054 χ^2/NDF : 6589.1/81

- sign 6.668 ± 0.077 χ^2/NDF : 3185.5/40

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -64.557 ± 0.441 χ^2/NDF : 1211.1/15

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -74.228 ± 0.387 χ^2/NDF : 3219.0/17

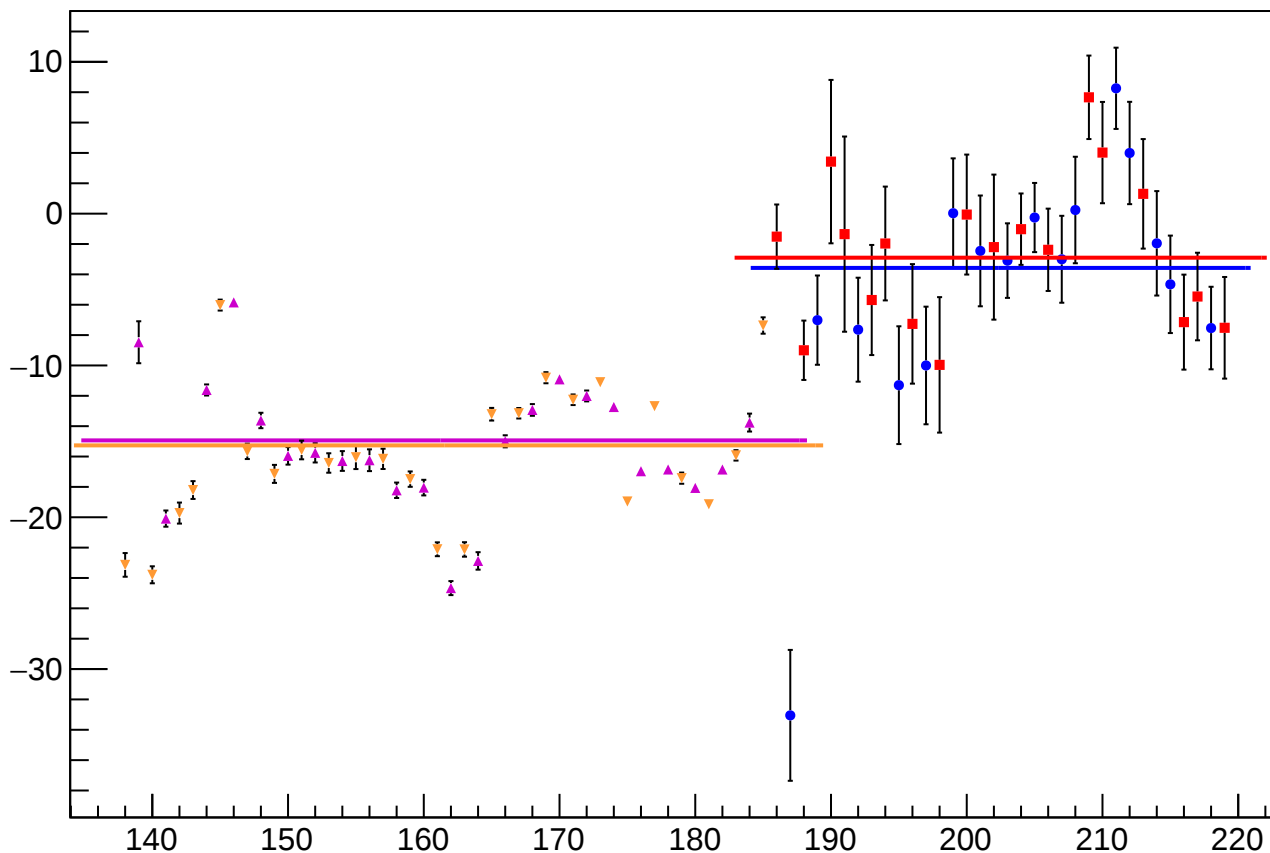
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.622 ± 0.093 χ^2/NDF : 19680.9/40

All: -41.822 ± 0.066 χ^2/NDF : 44190.2/81

- sign -42.022 ± 0.093 χ^2/NDF : 24499.9/40

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -3.574 ± 0.780 χ^2/NDF : 87.8/15

Left Out: -15.266 ± 0.086 χ^2/NDF : 2595.5/24

Right Out: -2.901 ± 0.737 χ^2/NDF : 42.2/17

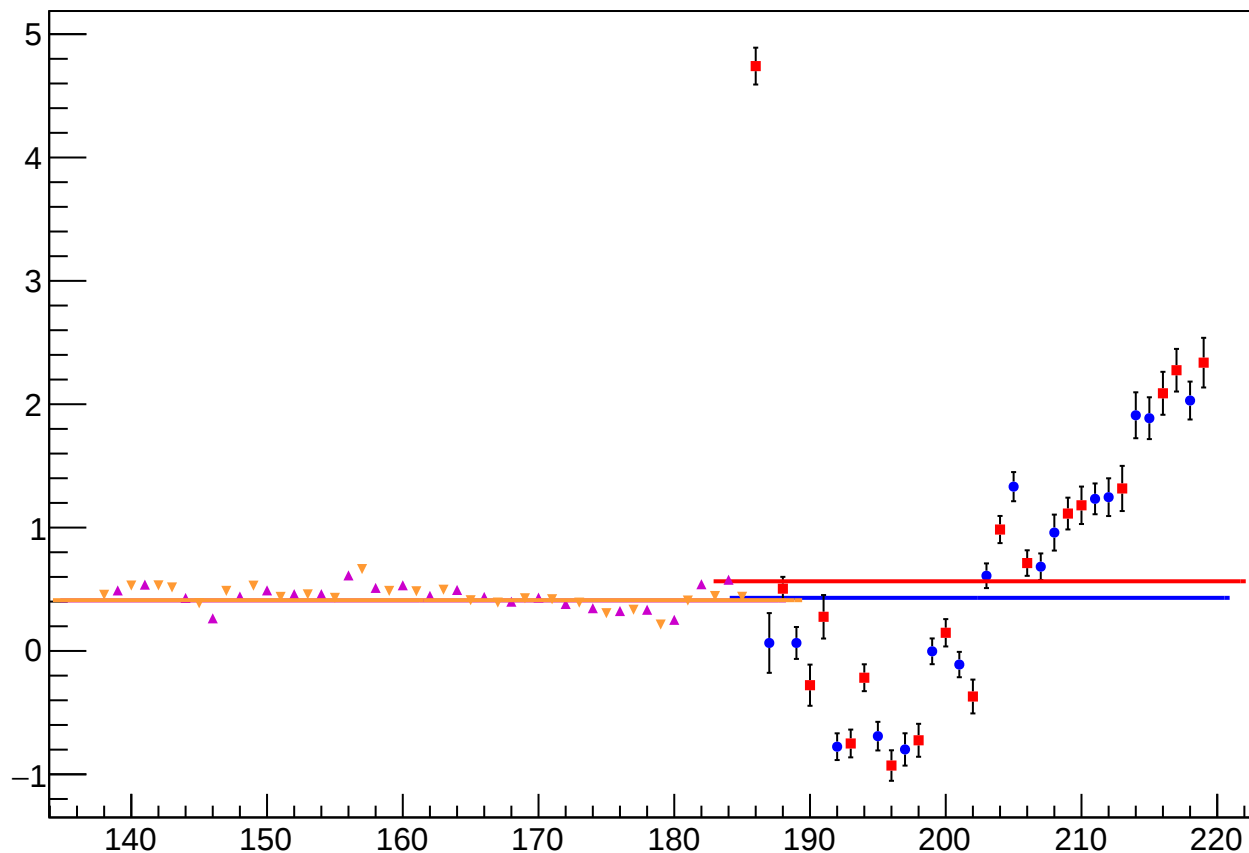
Left In: -14.936 ± 0.087 χ^2/NDF : 2199.7/22

+ sign -15.125 ± 0.085 χ^2/NDF : 2905.5/40

All: -14.950 ± 0.061 χ^2/NDF : 5418.8/81

- sign -14.771 ± 0.086 χ^2/NDF : 2504.8/40

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.430 ± 0.032 χ^2/NDF : 755.8/15

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.565 ± 0.031 χ^2/NDF : 1617.7/17

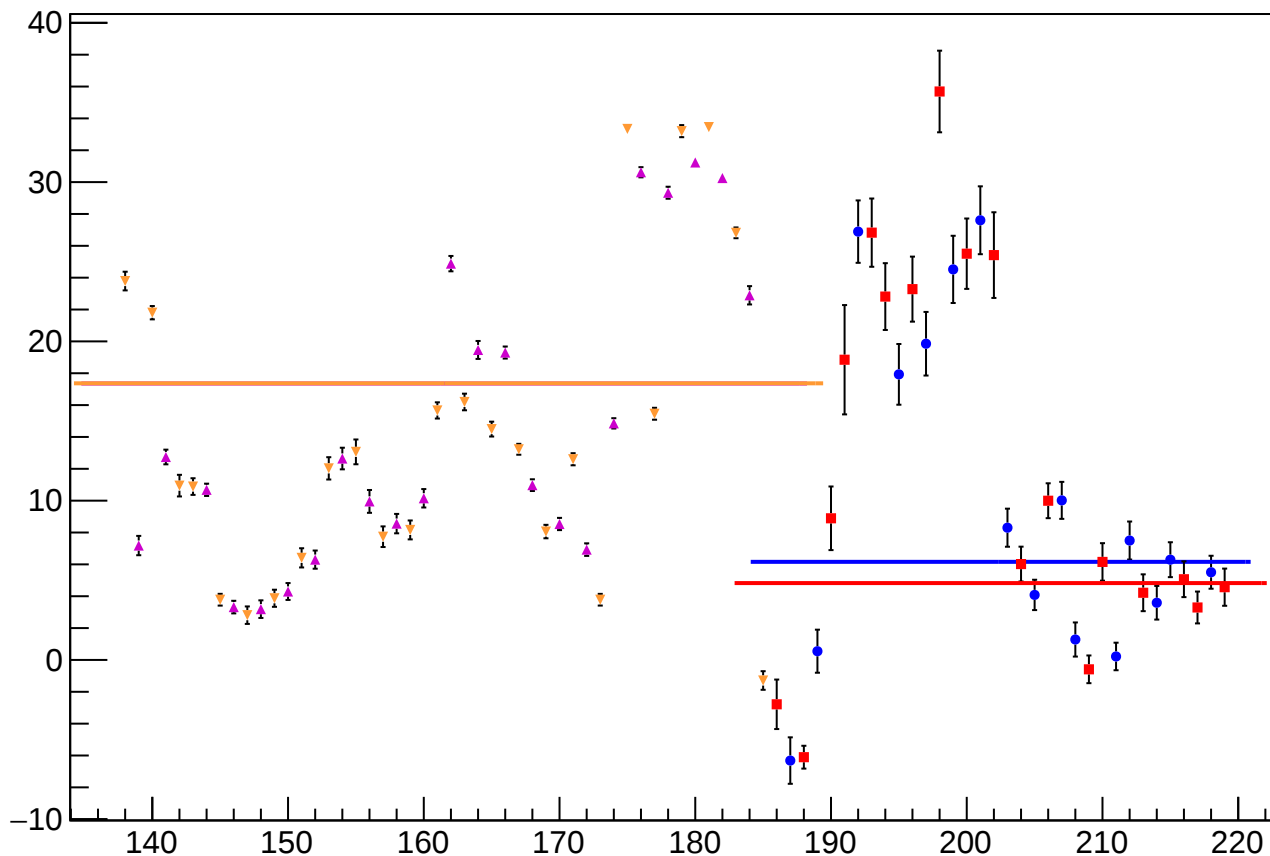
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.412 ± 0.004 χ^2/NDF : 1184.8/40

All: 0.412 ± 0.003 χ^2/NDF : 3385.0/81

- sign 0.412 ± 0.004 χ^2/NDF : 2200.2/40

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 6.159 ± 0.311 $\chi^2/\text{NDF}: 559.1/15$

Left Out: 17.367 ± 0.087 $\chi^2/\text{NDF}: 16337.6/24$

Right Out: 4.826 ± 0.303 $\chi^2/\text{NDF}: 895.6/17$

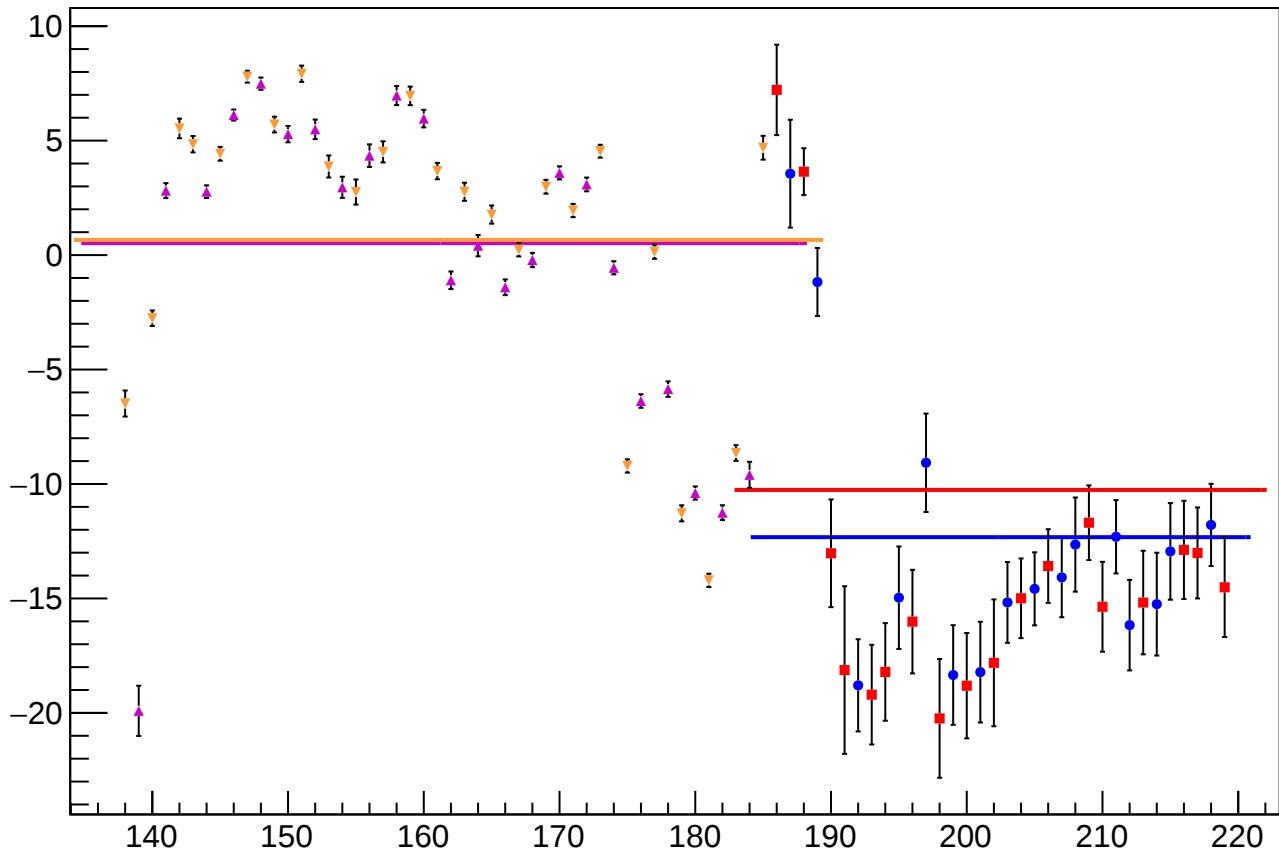
Left In: 17.355 ± 0.089 $\chi^2/\text{NDF}: 12745.1/22$

+ sign 16.550 ± 0.084 $\chi^2/\text{NDF}: 18104.2/40$

All: 16.459 ± 0.060 $\chi^2/\text{NDF}: 33318.4/81$

- sign 16.364 ± 0.085 $\chi^2/\text{NDF}: 15211.8/40$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.323 ± 0.478 χ^2/NDF : 141.7/15

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -10.260 ± 0.457 χ^2/NDF : 373.5/17

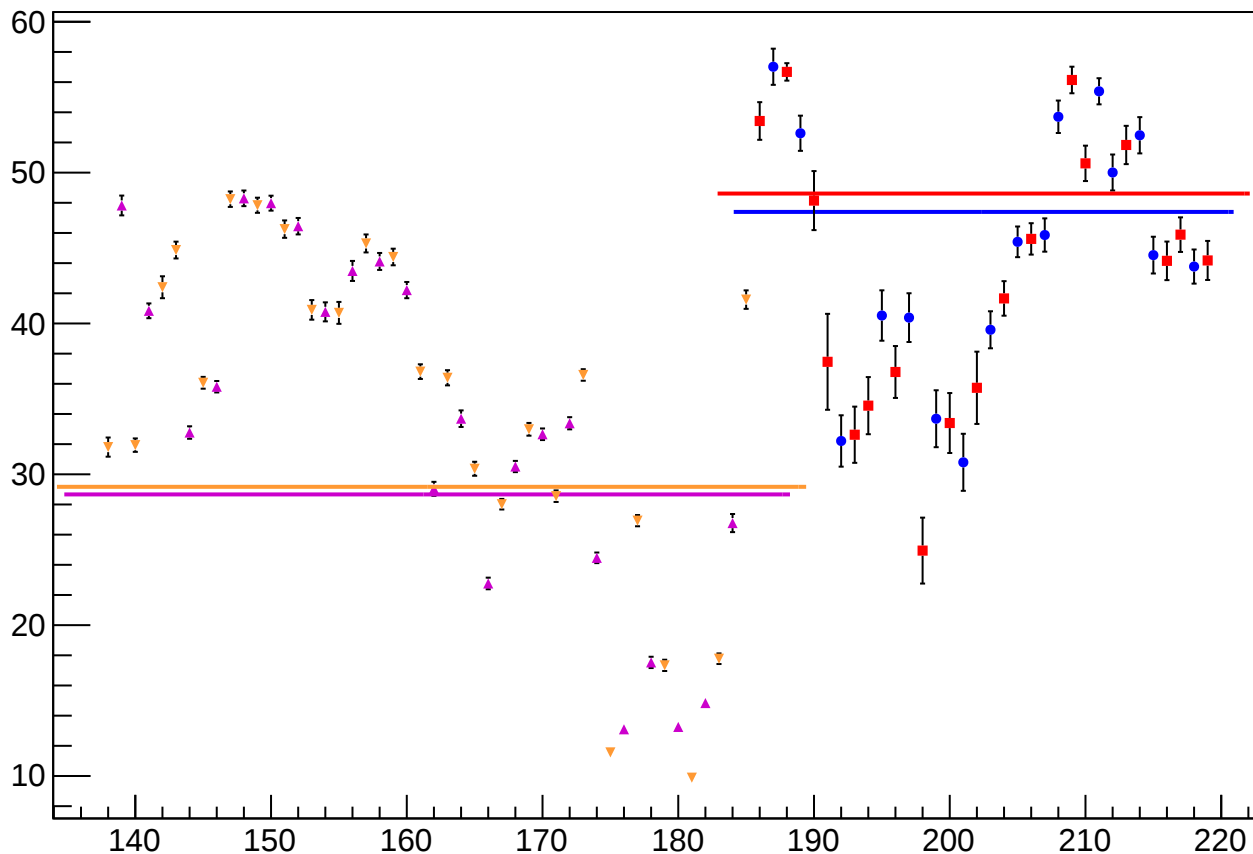
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.393 ± 0.069 χ^2/NDF : 9417.0/40

All: 0.333 ± 0.049 χ^2/NDF : 17065.9/81

- sign 0.271 ± 0.070 χ^2/NDF : 7647.4/40

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.396 ± 0.307 $\chi^2/\text{NDF}: 533.9/15$

Left Out: 29.171 ± 0.088 $\chi^2/\text{NDF}: 18974.7/24$

Right Out: 48.613 ± 0.291 $\chi^2/\text{NDF}: 759.5/17$

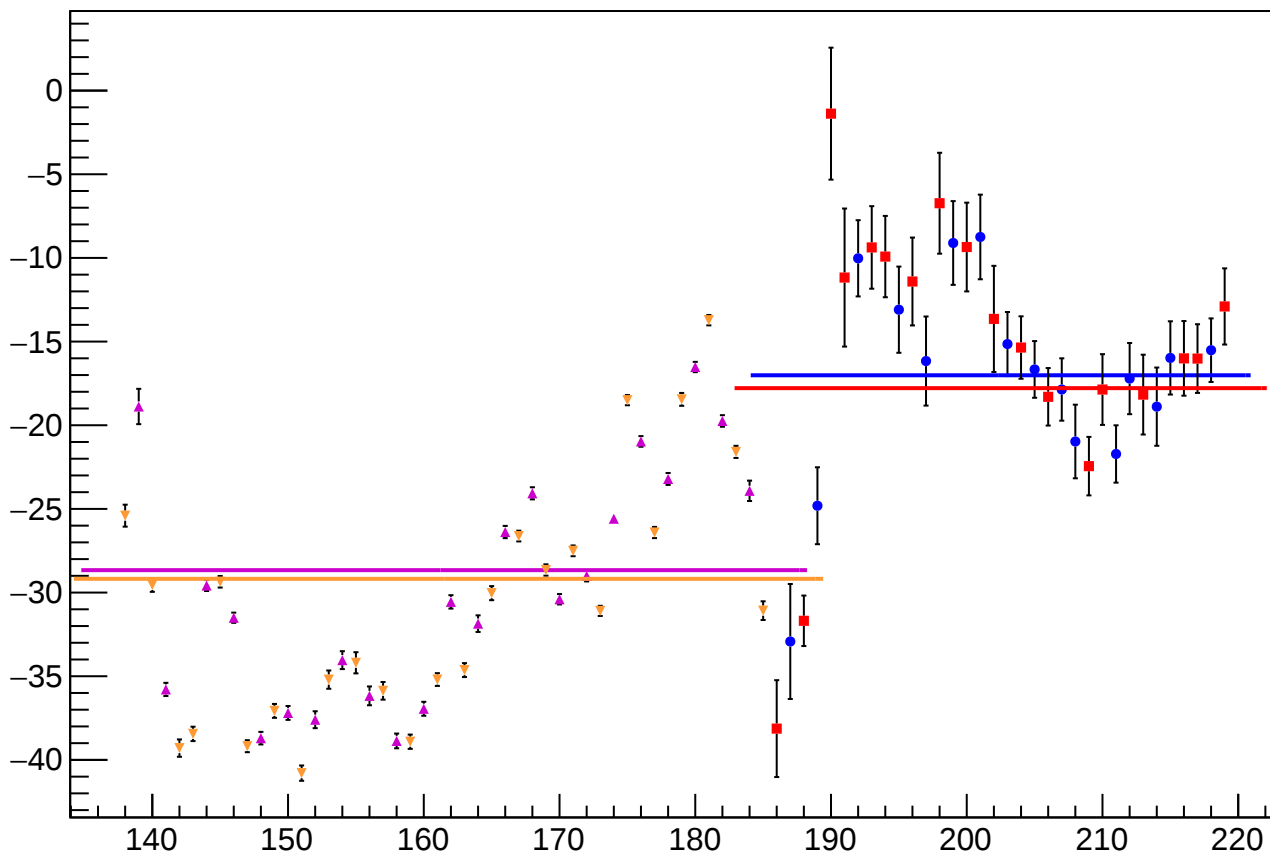
Left In: 28.667 ± 0.089 $\chi^2/\text{NDF}: 16847.2/22$

+ sign 30.544 ± 0.084 $\chi^2/\text{NDF}: 22756.9/40$

All: 30.463 ± 0.060 $\chi^2/\text{NDF}: 44665.0/81$

- sign 30.379 ± 0.085 $\chi^2/\text{NDF}: 21906.2/40$

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -17.013 ± 0.541 $\chi^2/\text{NDF}: 78.9/15$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -17.783 ± 0.535 $\chi^2/\text{NDF}: 222.3/17$

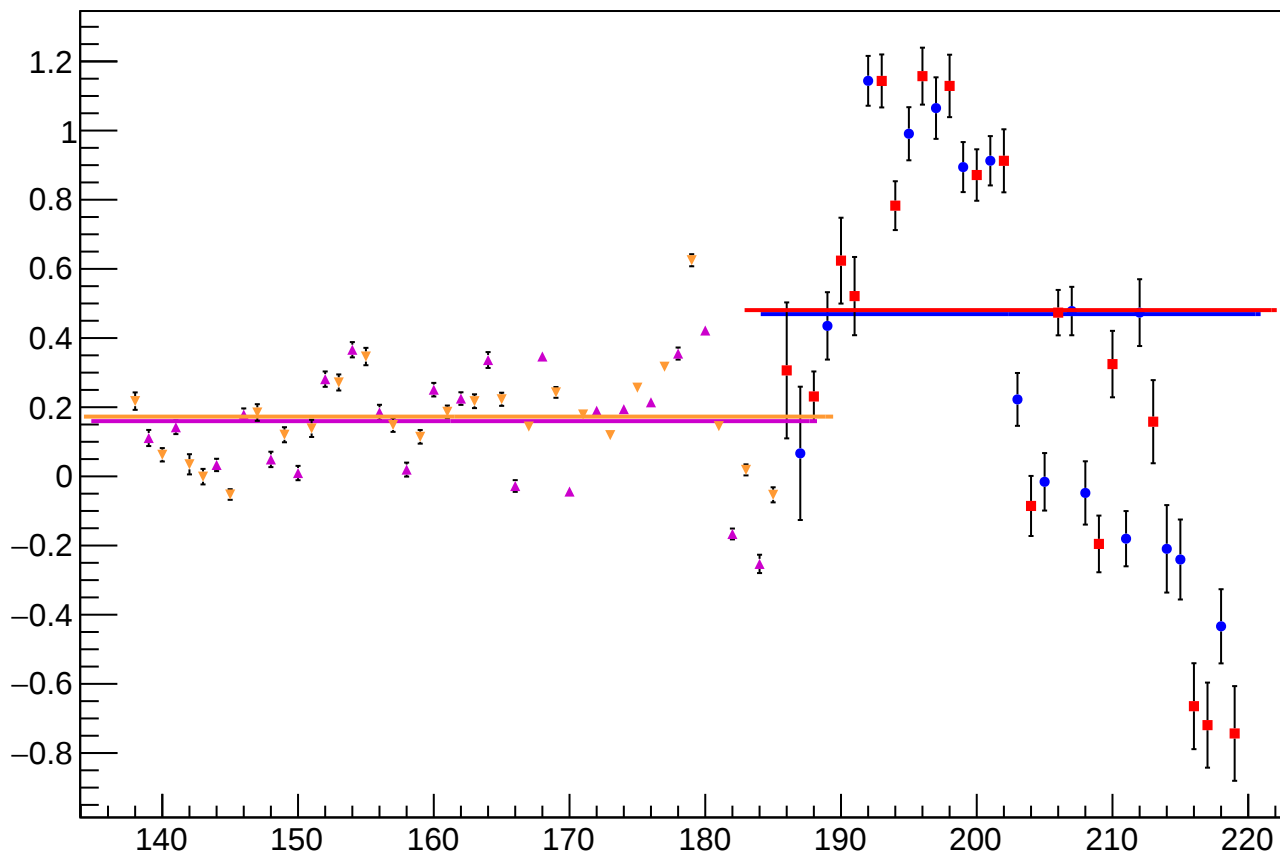
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -28.929 ± 0.077 $\chi^2/\text{NDF}: 9656.2/40$

All: -28.681 ± 0.055 $\chi^2/\text{NDF}: 16974.2/81$

- sign -28.423 ± 0.079 $\chi^2/\text{NDF}: 7297.1/40$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.469 ± 0.022 χ^2/NDF : 536.1/15

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.481 ± 0.021 χ^2/NDF : 656.9/17

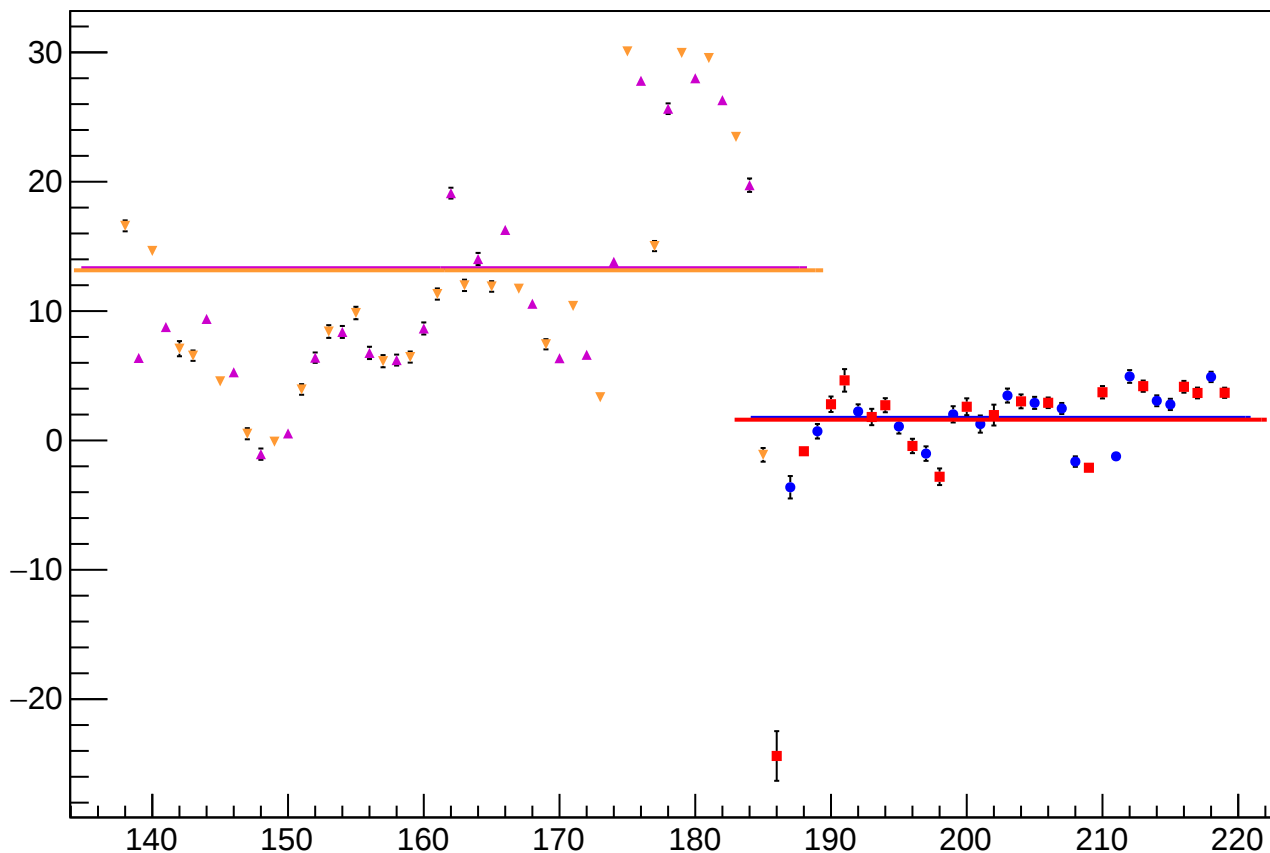
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.181 ± 0.004 χ^2/NDF : 2197.2/40

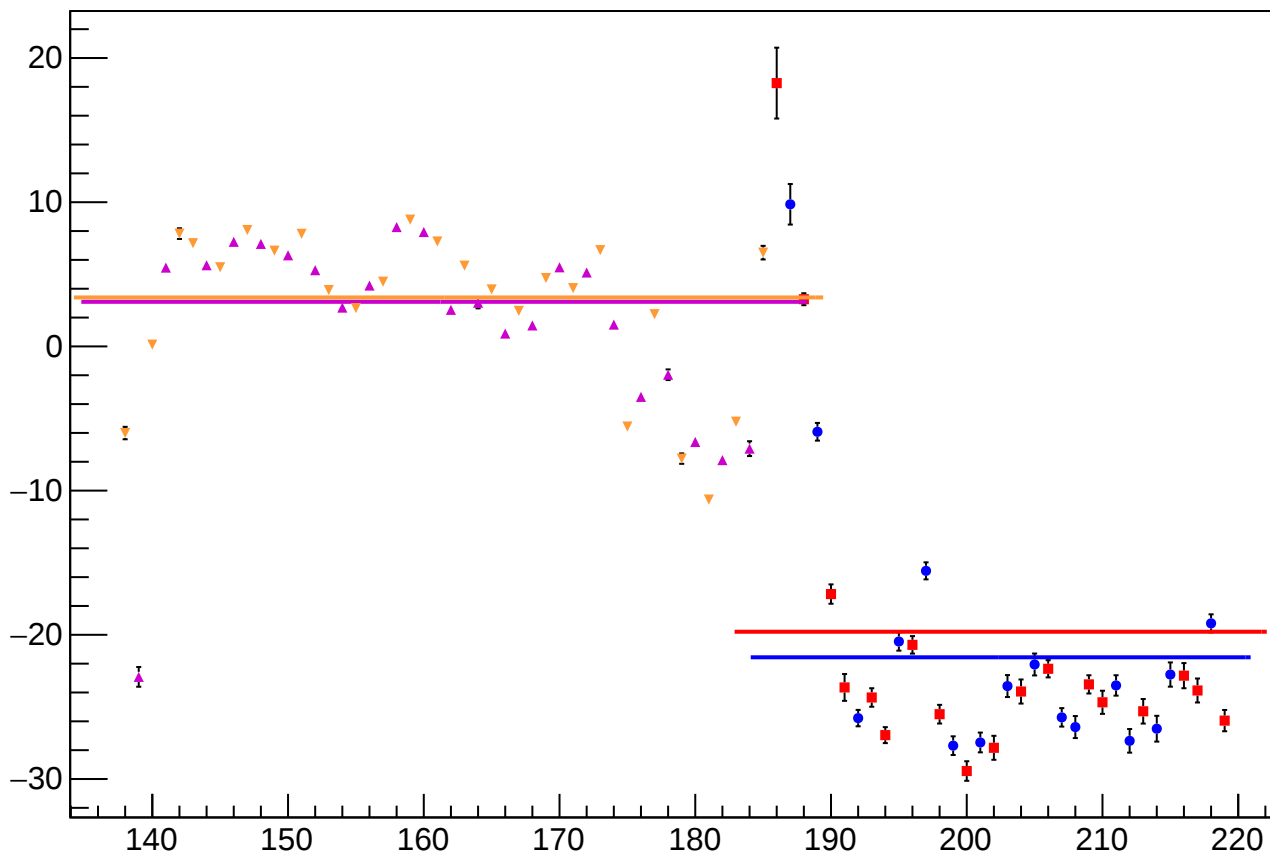
All: 0.175 ± 0.003 χ^2/NDF : 5135.8/81

- sign 0.169 ± 0.004 χ^2/NDF : 2932.9/40

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -21.560 ± 0.176 $\chi^2/\text{NDF}: 1667.1/15$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -19.787 ± 0.162 $\chi^2/\text{NDF}: 4224.9/17$

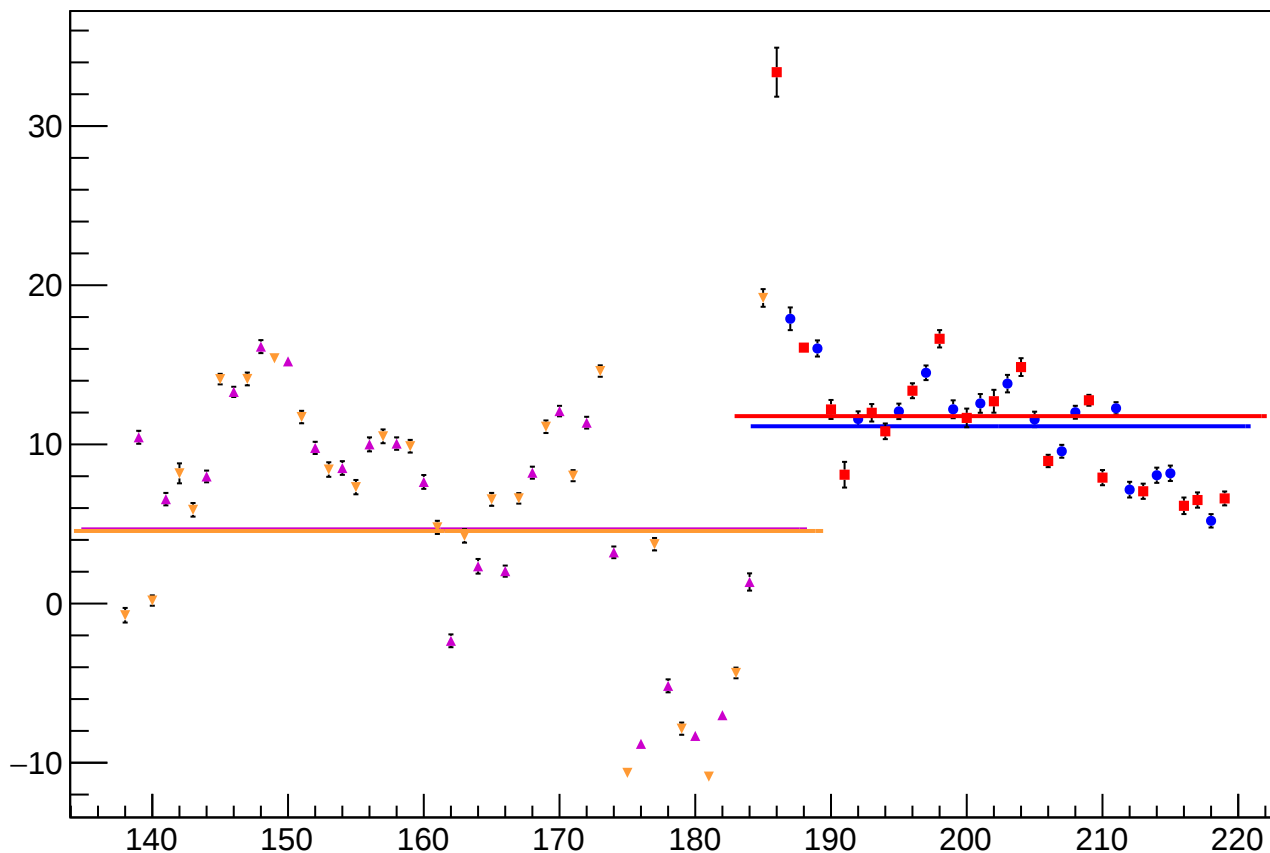
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 0.913 ± 0.055 $\chi^2/\text{NDF}: 27950.5/40$

All: 0.609 ± 0.040 $\chi^2/\text{NDF}: 56815.7/81$

- sign 0.290 ± 0.057 $\chi^2/\text{NDF}: 28803.5/40$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 11.139 $\pm$ 0.119 χ^2 /NDF: 645.3/15

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 11.776 $\pm$ 0.109 χ^2 /NDF: 1301.8/17

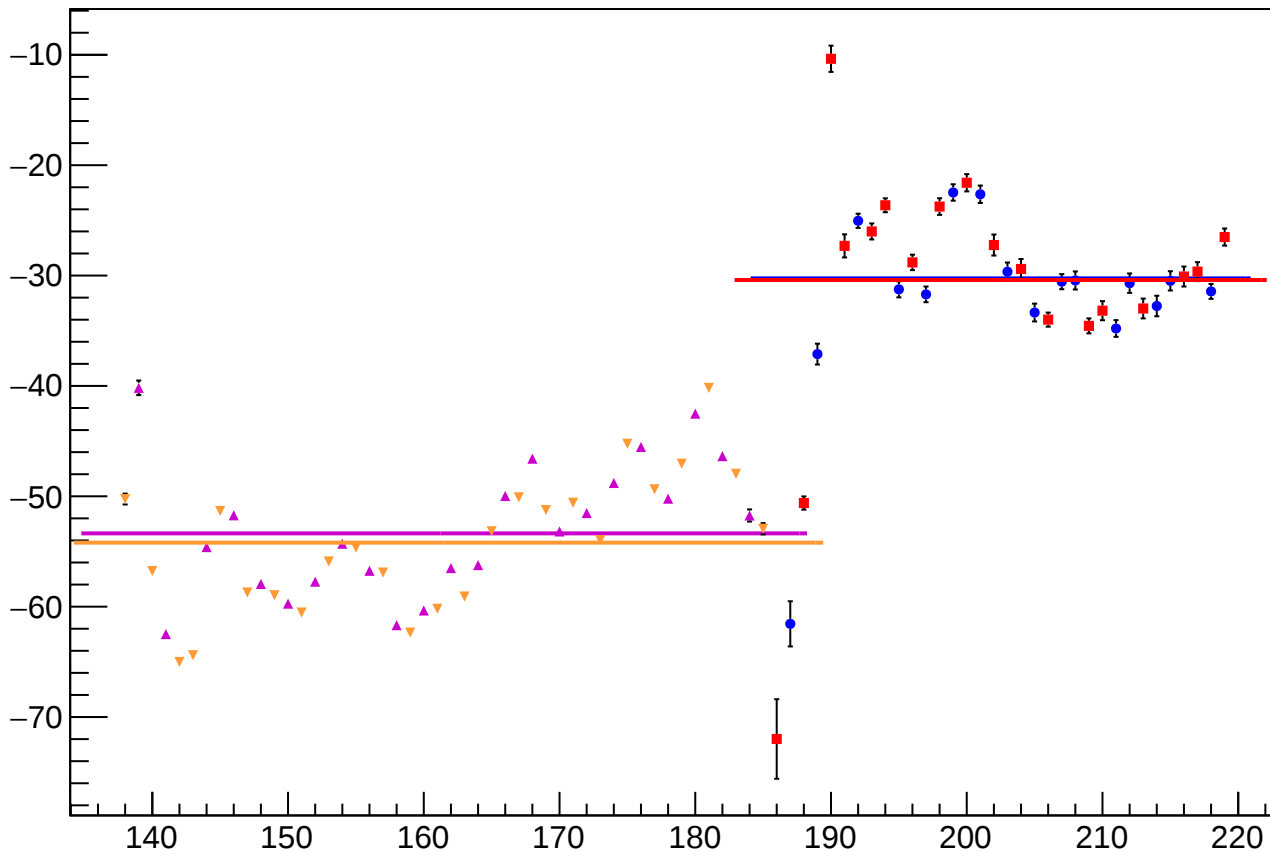
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 6.434 $\pm$ 0.064 χ^2 /NDF: 16405.3/40

All: 6.736 $\pm$ 0.045 χ^2 /NDF: 31886.8/81

- sign 7.029 $\pm$ 0.063 χ^2 /NDF: 15437.2/40

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -30.258 ± 0.199 χ^2/NDF : 622.8/15

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -30.402 ± 0.189 χ^2/NDF : 2052.5/17

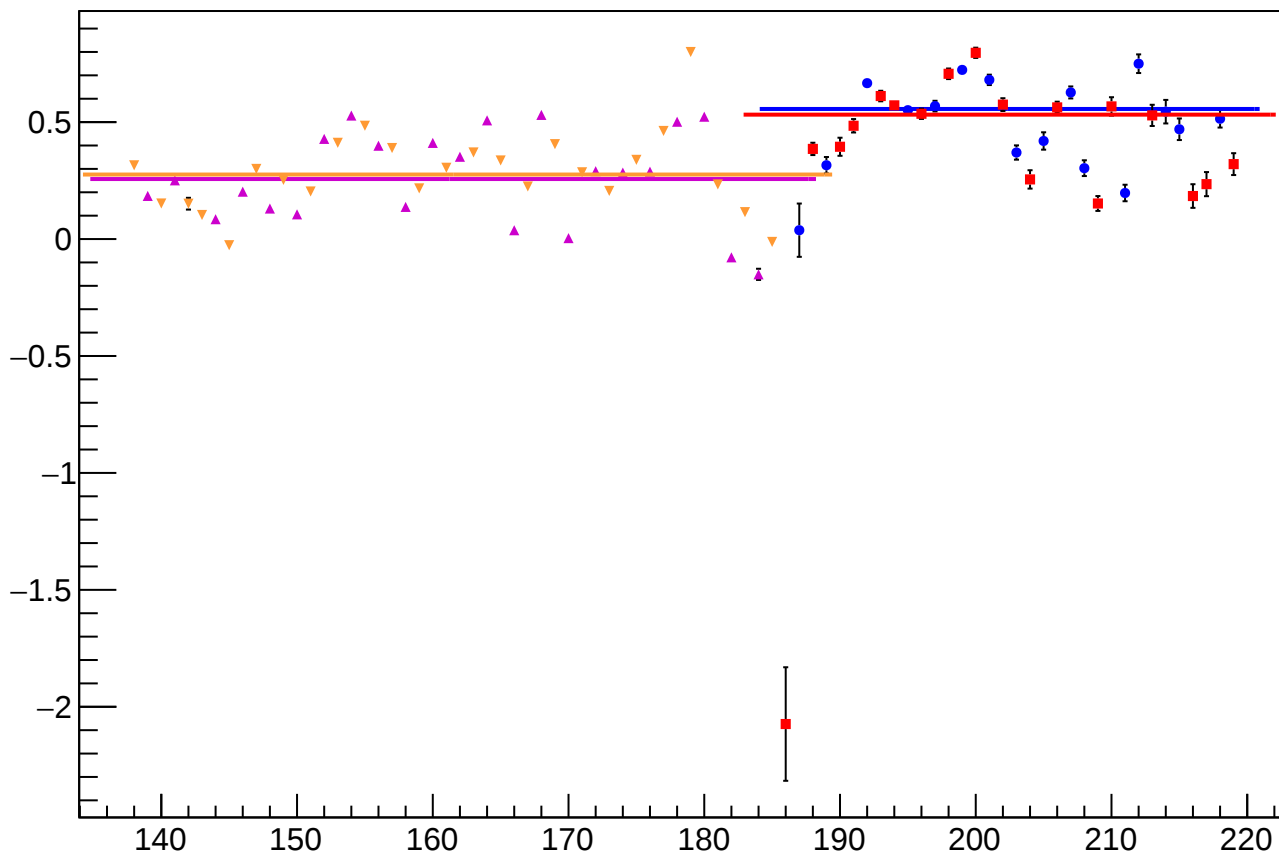
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -51.794 ± 0.063 χ^2/NDF : 22142.1/40

All: -51.252 ± 0.045 χ^2/NDF : 44315.6/81

- sign -50.685 ± 0.064 χ^2/NDF : 22022.0/40

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.556 ± 0.007 χ^2/NDF : 435.7/15

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.532 ± 0.007 χ^2/NDF : 682.1/17

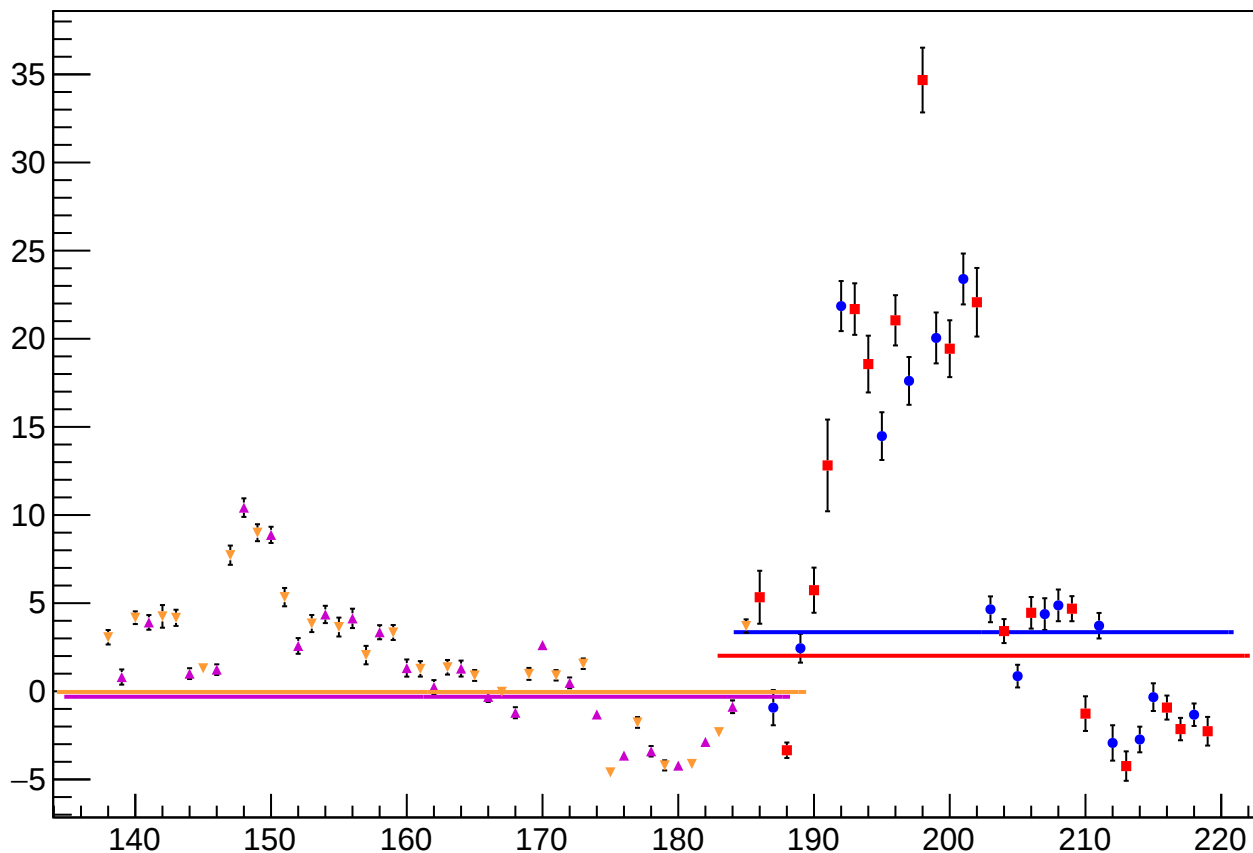
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.318 ± 0.003 χ^2/NDF : 4314.3/40

All: 0.311 ± 0.002 χ^2/NDF : 9976.9/81

- sign 0.304 ± 0.003 χ^2/NDF : 5650.6/40

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 3.355 ± 0.220 $\chi^2/\text{NDF}: 901.0/15$

Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 2.017 ± 0.210 $\chi^2/\text{NDF}: 1365.6/17$

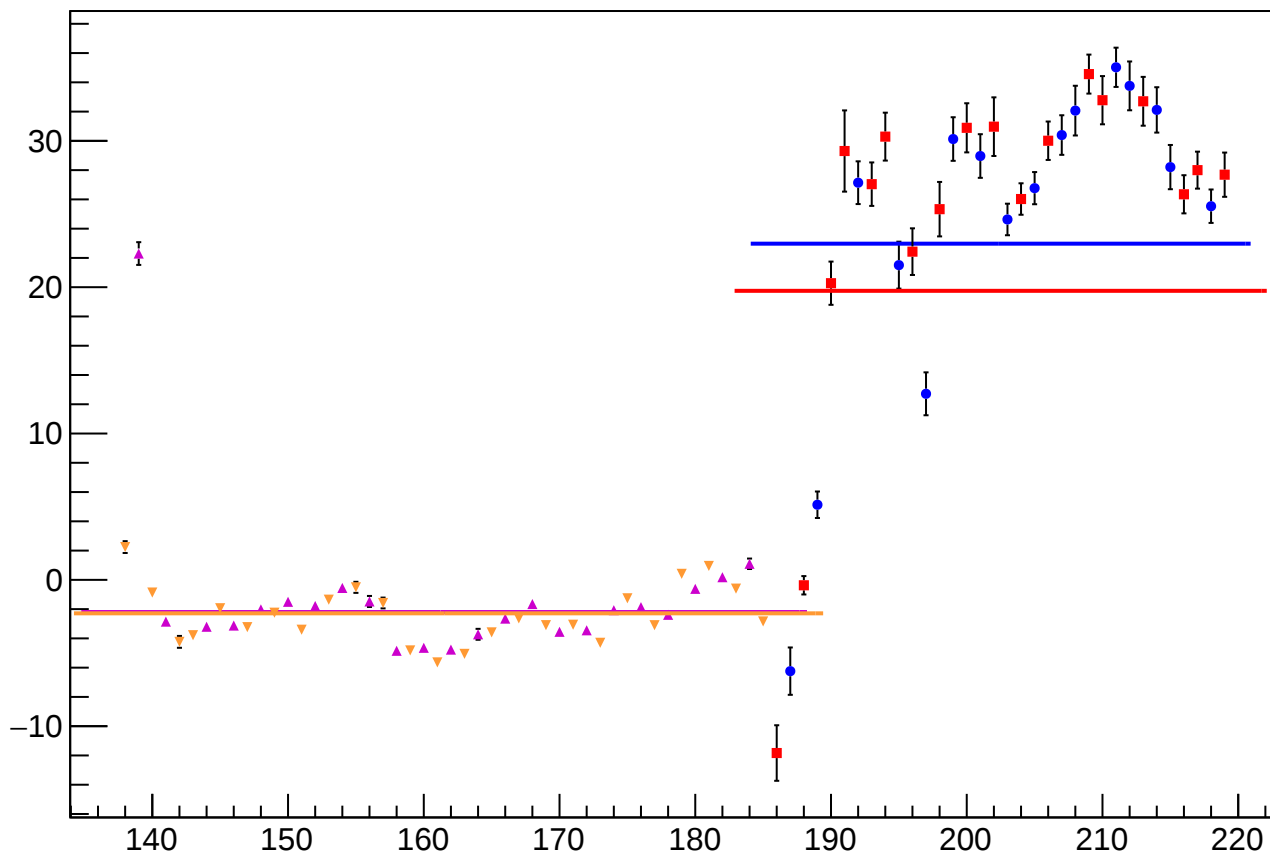
Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.243 ± 0.063 $\chi^2/\text{NDF}: 3756.6/40$

All: 0.077 ± 0.045 $\chi^2/\text{NDF}: 7498.0/81$

- sign -0.093 ± 0.064 $\chi^2/\text{NDF}: 3727.4/40$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 22.974 ± 0.334 $\chi^2/\text{NDF}: 1059.0/15$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 19.752 ± 0.318 $\chi^2/\text{NDF}: 1906.2/17$

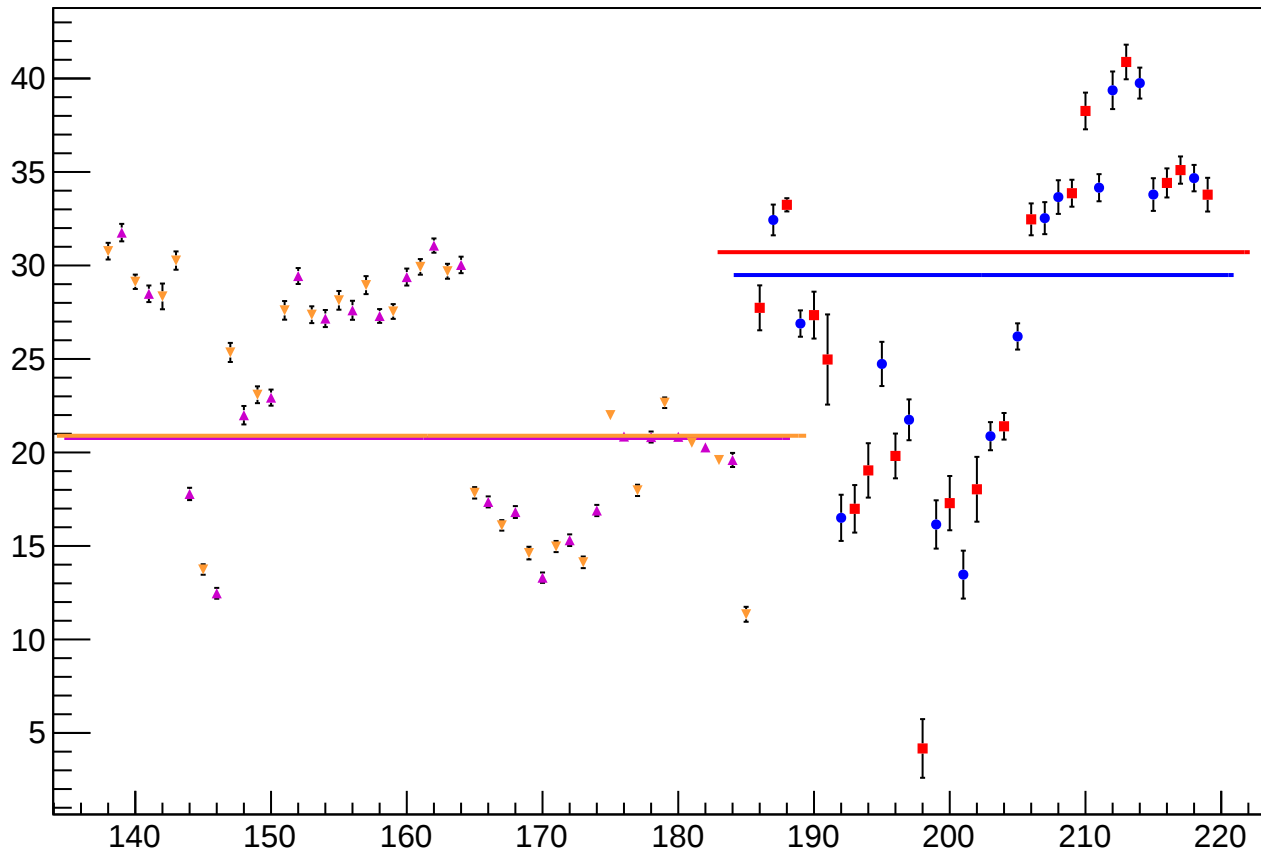
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -1.643 ± 0.053 $\chi^2/\text{NDF}: 7758.3/40$

All: -1.601 ± 0.038 $\chi^2/\text{NDF}: 15972.0/81$

- sign -1.557 ± 0.054 $\chi^2/\text{NDF}: 8212.4/40$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 29.488 $\pm$ 0.218 χ^2 /NDF: 1023.6/15

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF:6655.4/24

Right Out: 30.712 $\pm$ 0.201 χ^2 /NDF: 1204.6/17

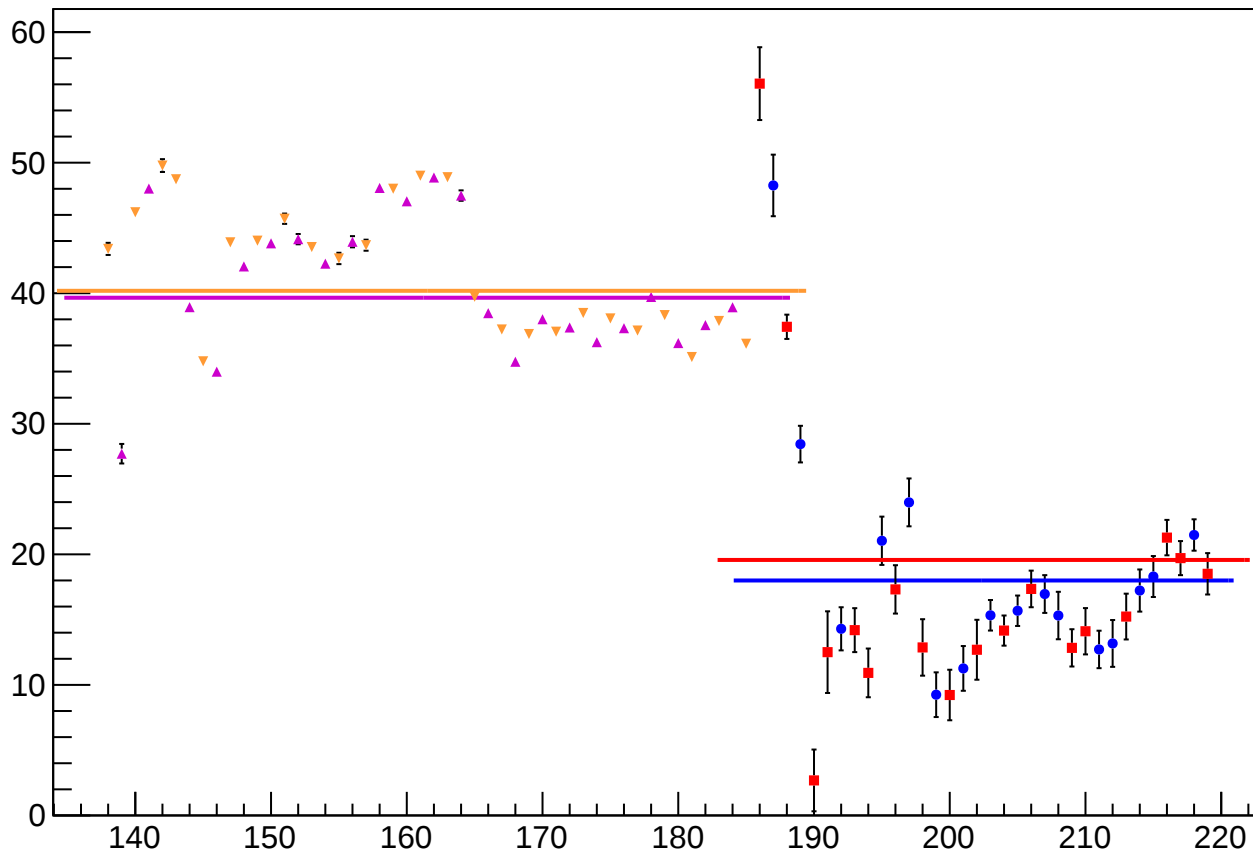
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

+ sign 21.628 $\pm$ 0.064 χ^2 /NDF: 9095.8/40

All: 21.704 $\pm$ 0.045 χ^2 /NDF: 18426.5/81

- sign 21.782 $\pm$ 0.064 χ^2 /NDF: 9327.8/40

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 17.998 ± 0.382 χ^2/NDF : 321.4/15

Left Out: 40.186 ± 0.060 χ^2/NDF : 5932.7/24

Right Out: 19.571 ± 0.376 χ^2/NDF : 740.6/17

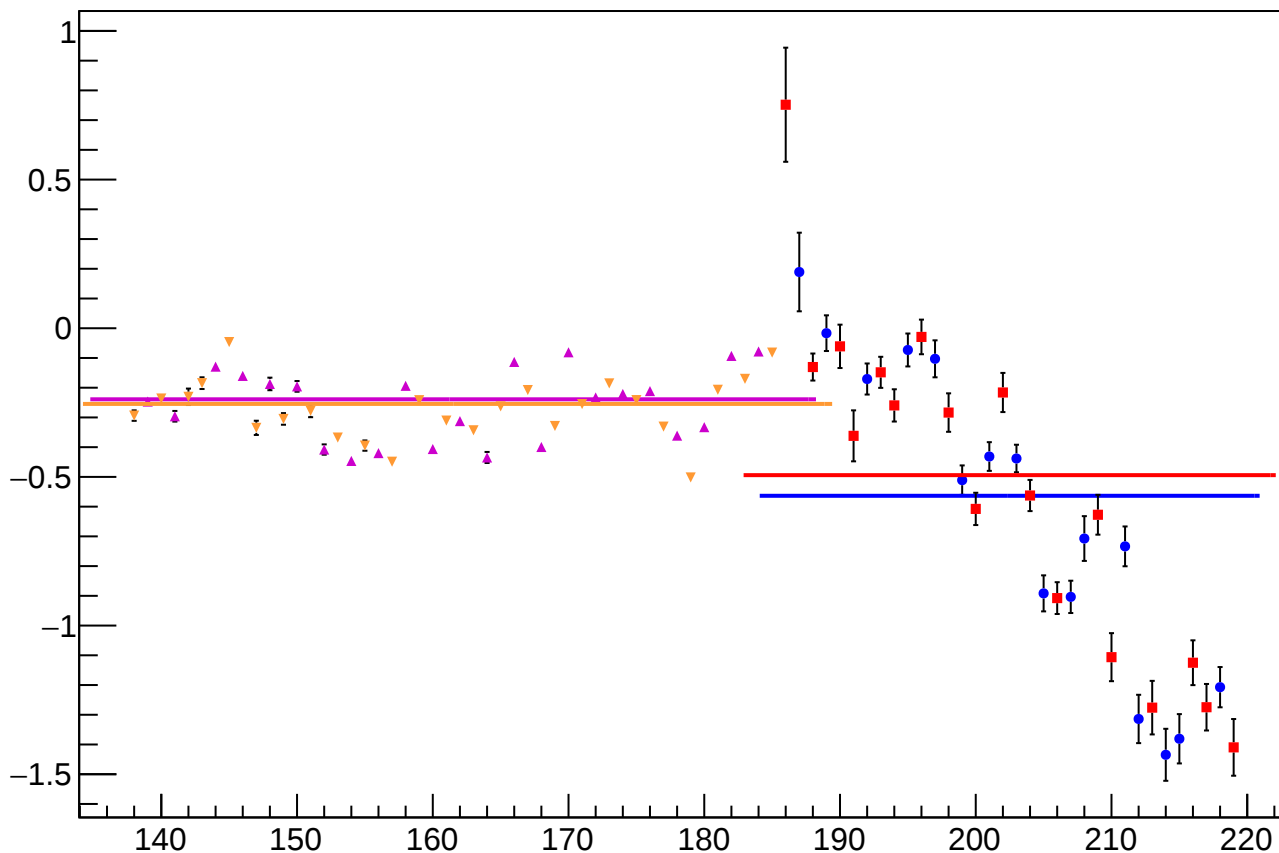
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 39.645 ± 0.060 χ^2/NDF : 9546.4/40

All: 39.392 ± 0.043 χ^2/NDF : 18406.8/81

- sign 39.132 ± 0.061 χ^2/NDF : 8824.0/40

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.564 ± 0.015 χ^2/NDF : 771.8/15

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.494 ± 0.015 χ^2/NDF : 762.9/17

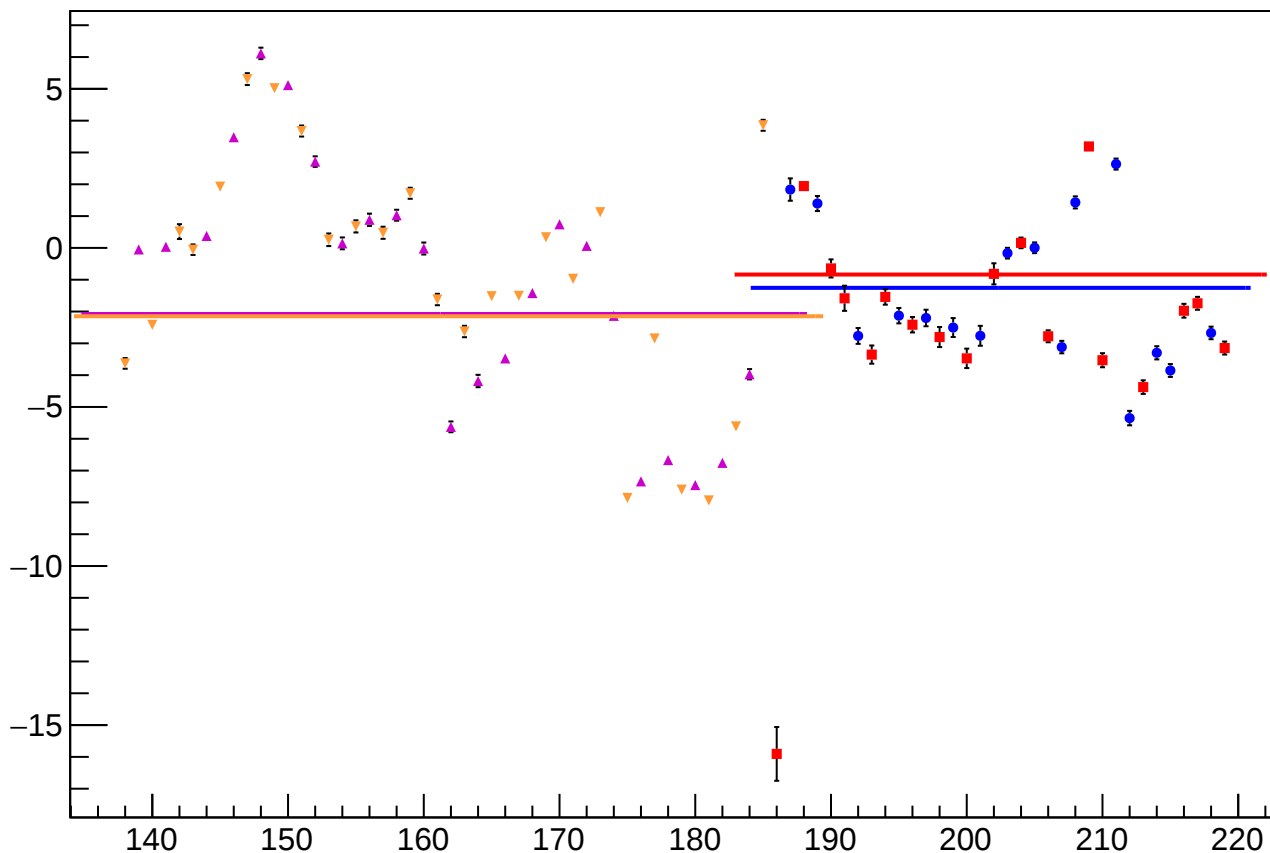
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.264 ± 0.003 χ^2/NDF : 2585.0/40

All: -0.256 ± 0.002 χ^2/NDF : 5388.8/81

- sign -0.247 ± 0.003 χ^2/NDF : 2784.6/40

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.256 ± 0.054 χ^2/NDF : 1833.9/15

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.837 ± 0.050 χ^2/NDF : 2595.5/17

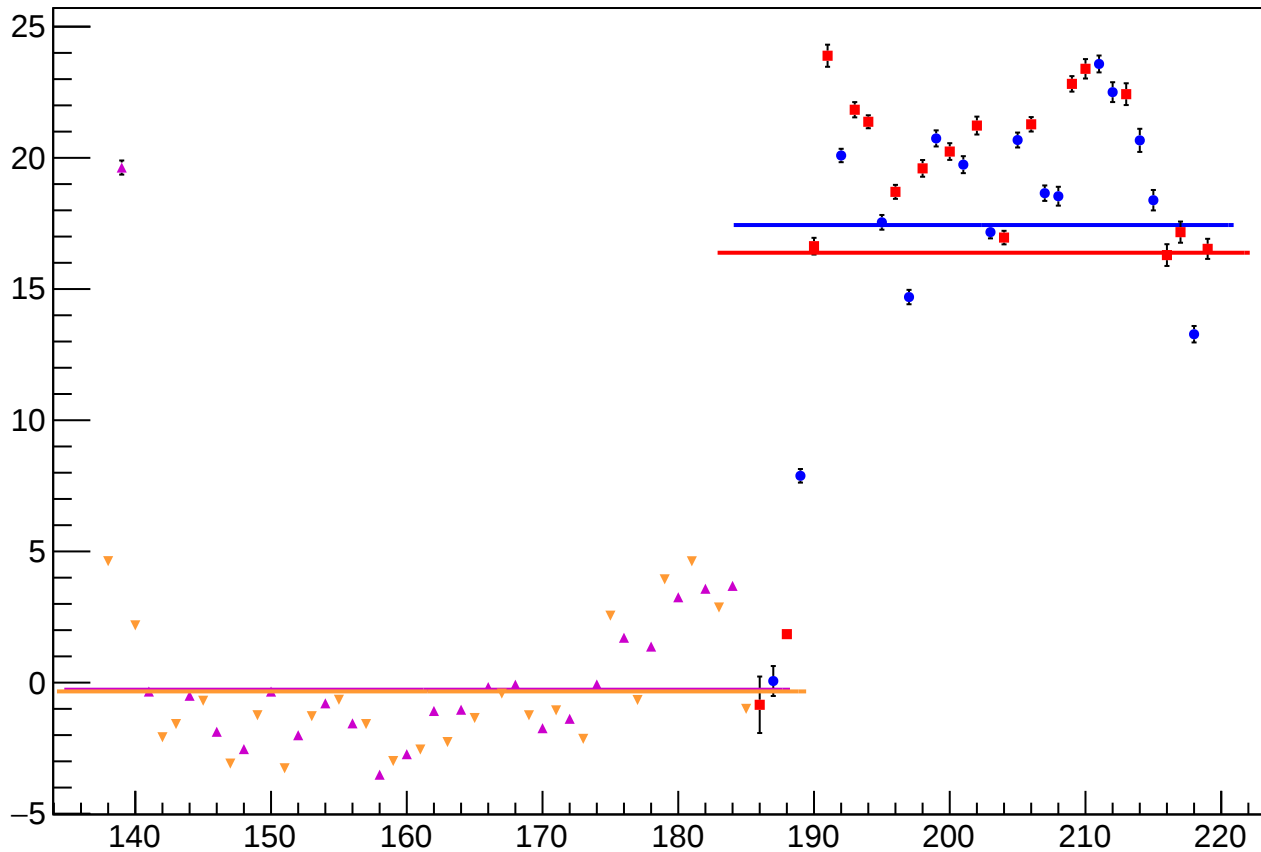
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.984 ± 0.023 χ^2/NDF : 26594.5/40

All: -1.900 ± 0.016 χ^2/NDF : 52941.6/81

- sign -1.816 ± 0.023 χ^2/NDF : 26320.7/40

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 17.440 ± 0.077 $\chi^2/\text{NDF}: 3598.2/15$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 16.384 ± 0.071 $\chi^2/\text{NDF}: 11338.1/17$

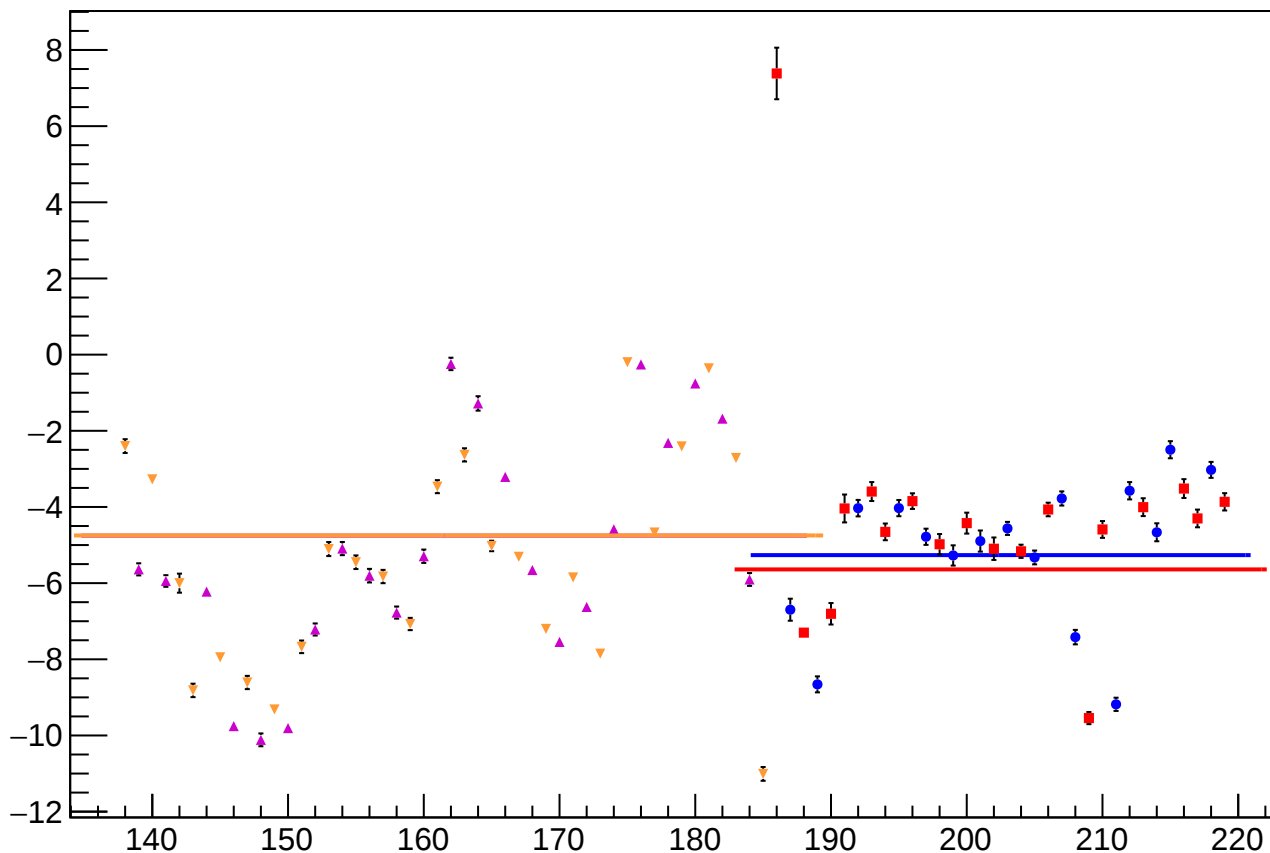
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign 0.841 ± 0.020 $\chi^2/\text{NDF}: 65519.2/40$

All: 0.946 ± 0.014 $\chi^2/\text{NDF}: 140473.7/81$

- sign 1.054 ± 0.020 $\chi^2/\text{NDF}: 74897.5/40$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.264 ± 0.053 $\chi^2/\text{NDF}: 1400.8/15$

Left Out: -4.748 ± 0.026 $\chi^2/\text{NDF}: 13289.8/24$

Right Out: -5.639 ± 0.047 $\chi^2/\text{NDF}: 1868.7/17$

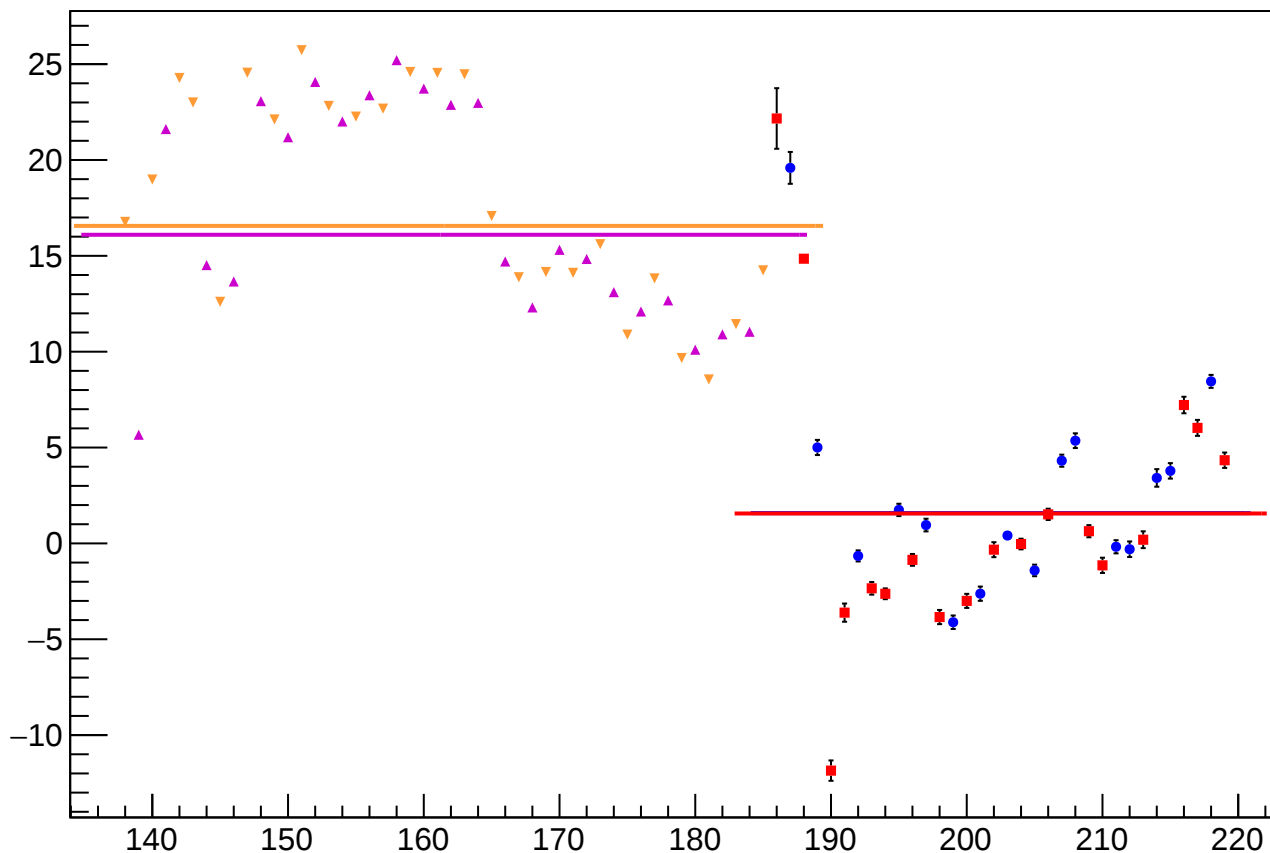
Left In: -4.753 ± 0.026 $\chi^2/\text{NDF}: 14119.2/22$

+ sign -4.848 ± 0.023 $\chi^2/\text{NDF}: 14768.0/40$

All: -4.905 ± 0.016 $\chi^2/\text{NDF}: 31035.3/81$

- sign -4.960 ± 0.023 $\chi^2/\text{NDF}: 16255.6/40$

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 1.580 $\pm$ 0.088 χ^2 /NDF: 1791.8/15

Left Out: 16.563 $\pm$ 0.023 χ^2 /NDF: 53858.5/24

Right Out: 1.561 $\pm$ 0.083 χ^2 /NDF: 5397.4/17

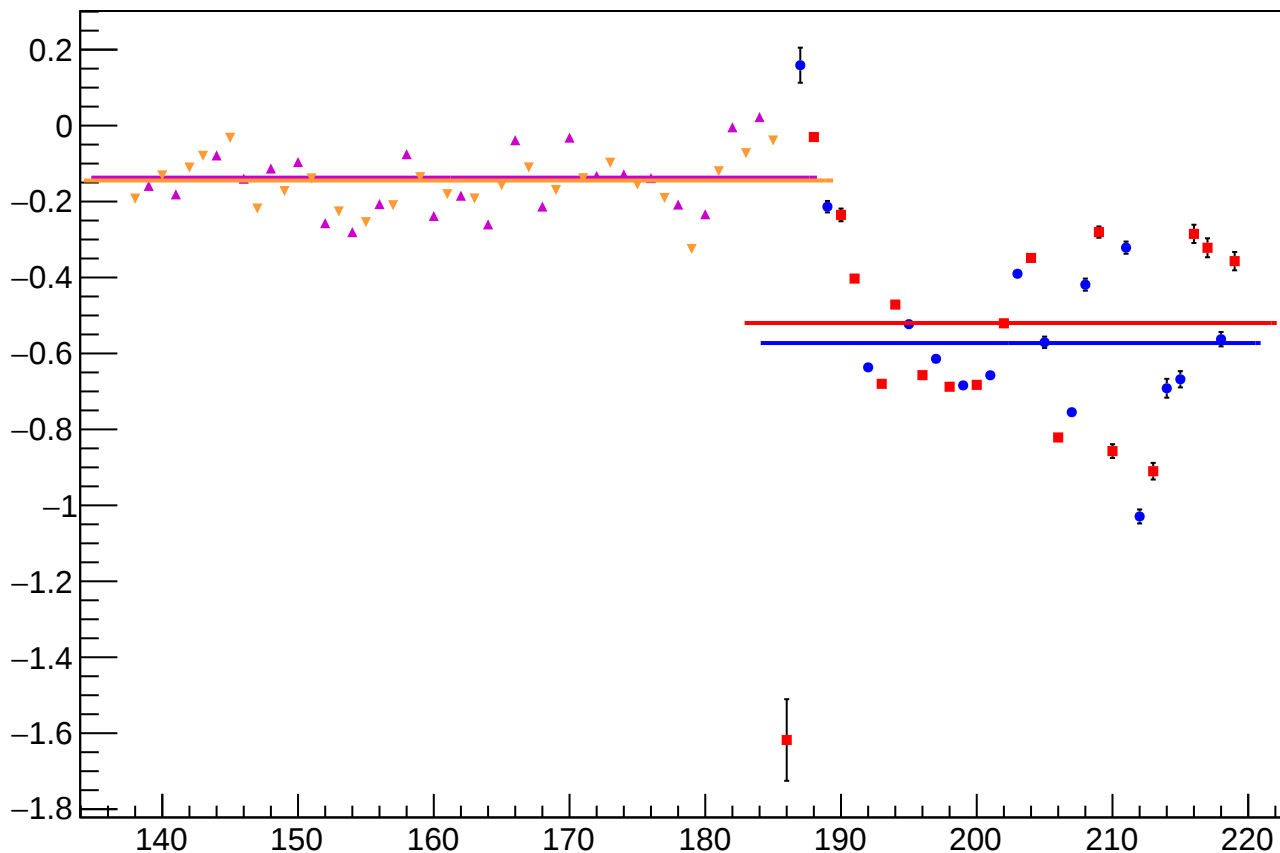
Left In: 16.098 $\pm$ 0.024 χ^2 /NDF: 42345.7/22

+ sign 15.583 $\pm$ 0.022 χ^2 /NDF: 83039.9/40

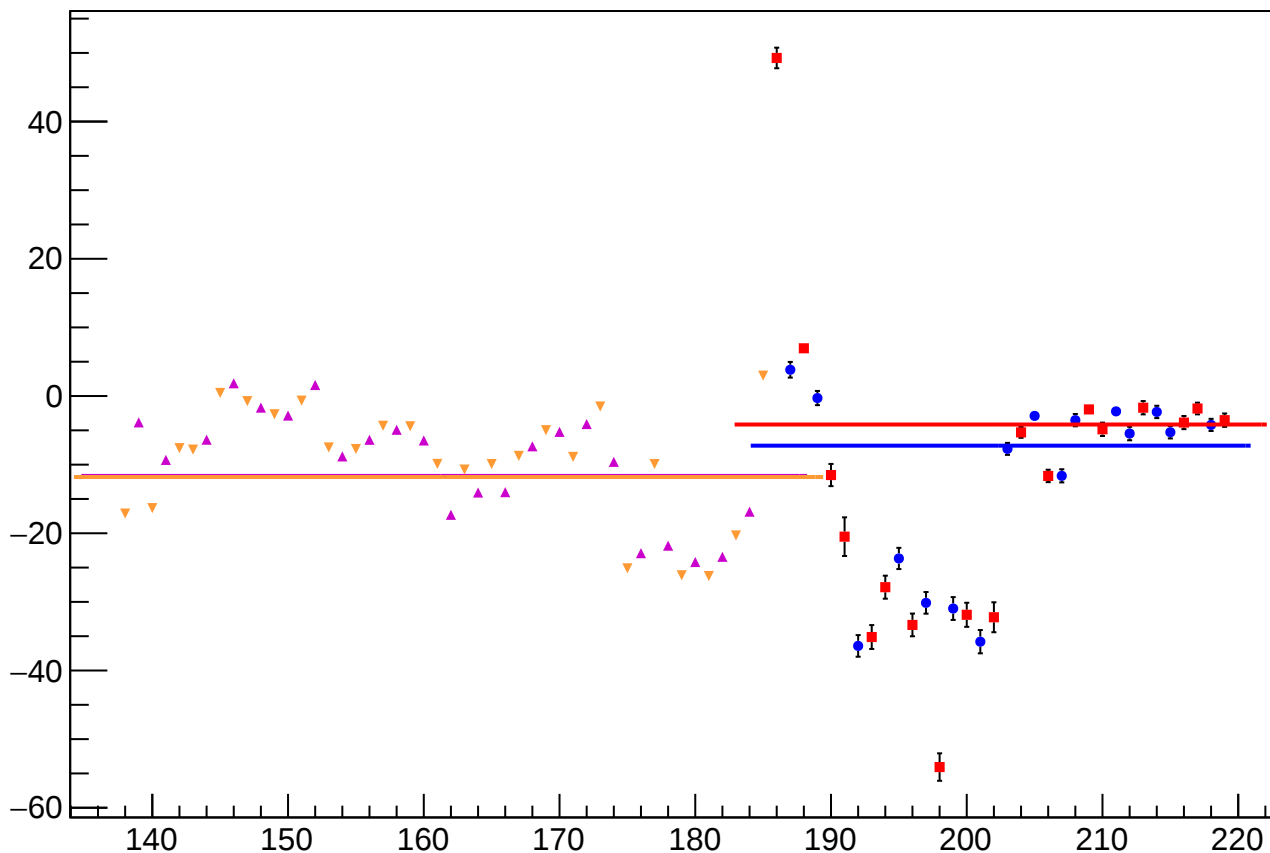
All: 15.308 $\pm$ 0.016 χ^2 /NDF: 159170.8/81

- sign 15.026 $\pm$ 0.023 χ^2 /NDF: 75824.9/40

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -7.233+/-0.251 χ^2/NDF : 1464.0/15

Left Out: -11.801+/-0.070 χ^2/NDF :17308.2/24

Right Out: -4.151+/-0.245 χ^2/NDF : 3710.9/17

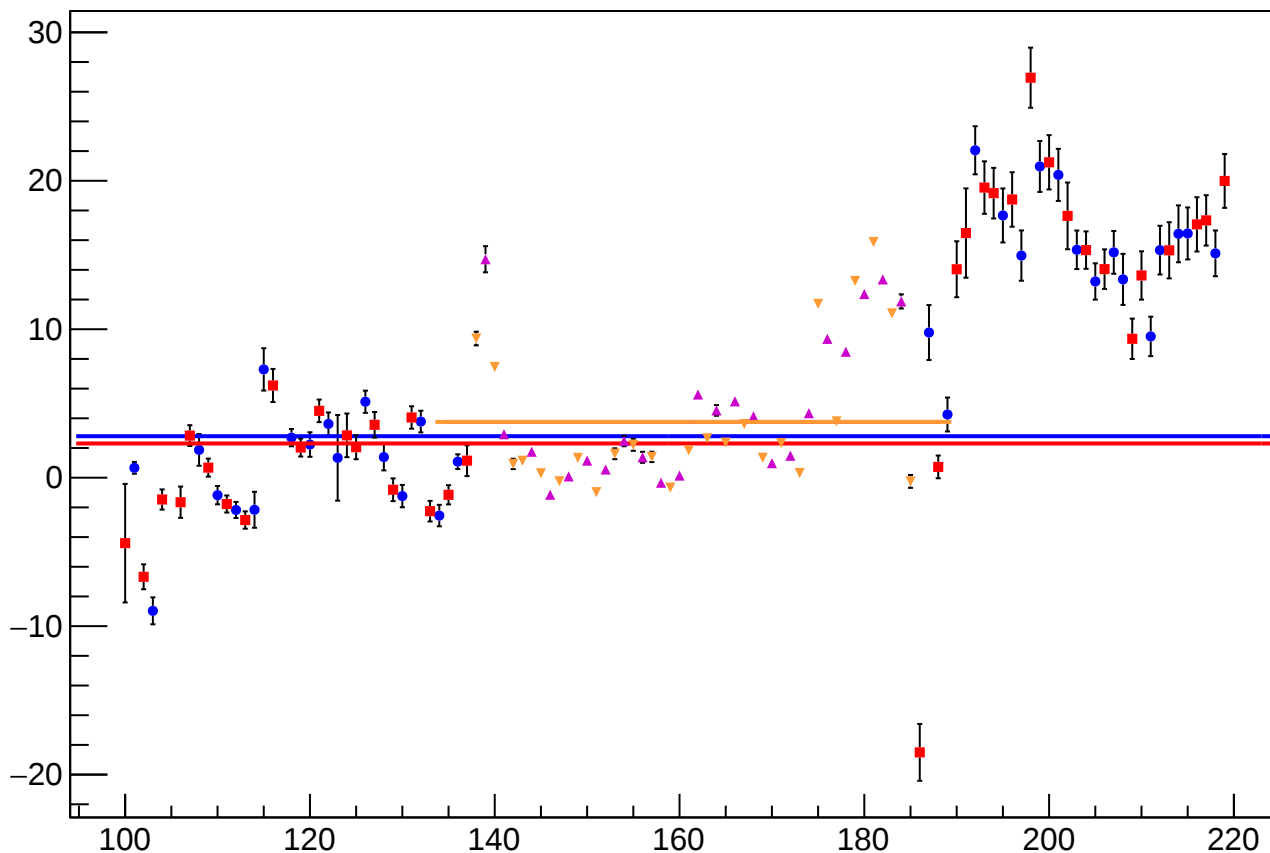
Left In: -11.642+/-0.072 χ^2/NDF :14121.2/22

+ sign -11.469+/-0.068 χ^2/NDF : 19079.5/40

All: -11.265+/-0.048 χ^2/NDF : 37789.0/81

- sign -11.055+/-0.069 χ^2/NDF : 18691.1/40

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.795 ± 0.156 $\chi^2/\text{NDF}: 1485.9/32$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 2.305 ± 0.158 $\chi^2/\text{NDF}: 1720.9/36$

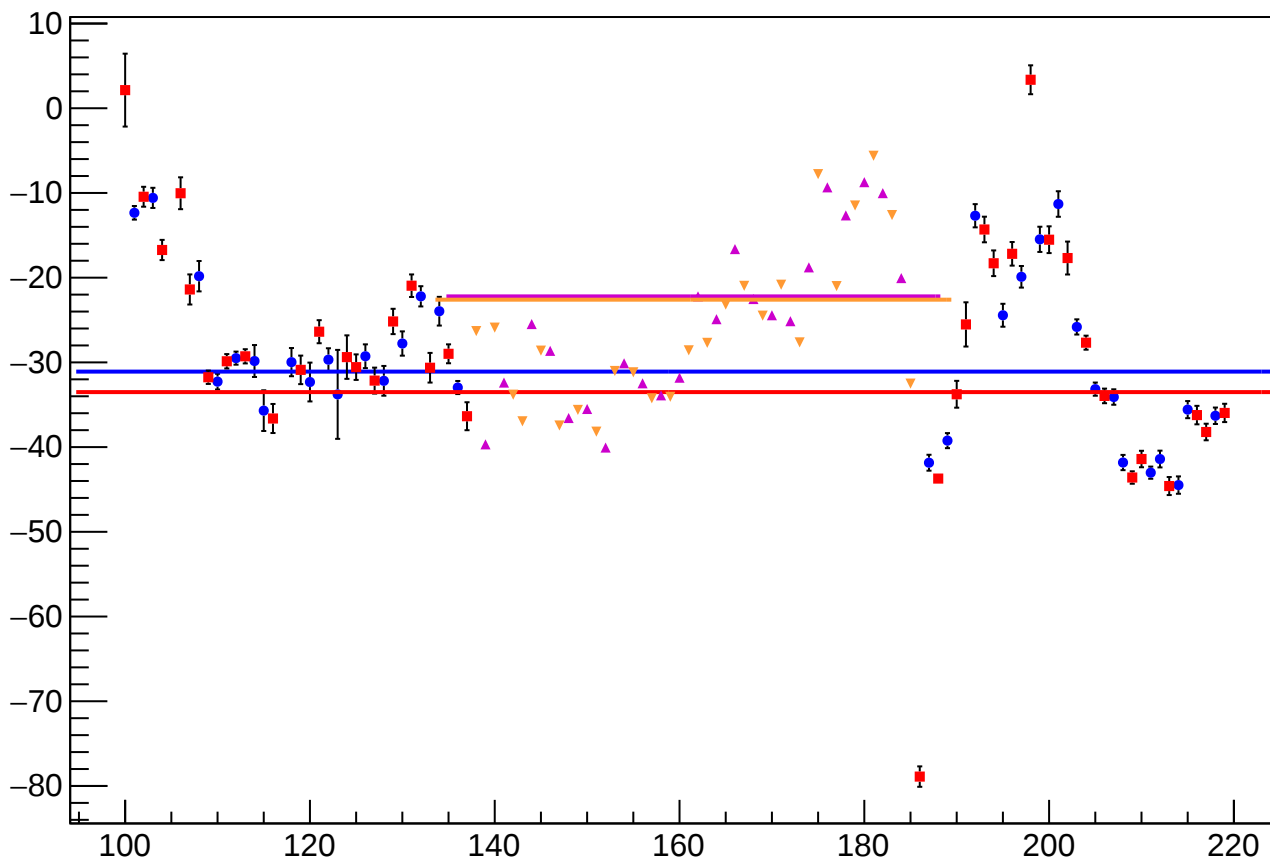
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.648 ± 0.052 $\chi^2/\text{NDF}: 8970.4/57$

All: 3.620 ± 0.037 $\chi^2/\text{NDF}: 16396.3/117$

- sign 3.592 ± 0.053 $\chi^2/\text{NDF}: 7425.3/59$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -31.088 ± 0.191 $\chi^2/\text{NDF}: 2558.2/32$

Left Out: -22.598 ± 0.071 $\chi^2/\text{NDF}: 19933.4/24$

Right Out: -33.507 ± 0.184 $\chi^2/\text{NDF}: 4576.9/36$

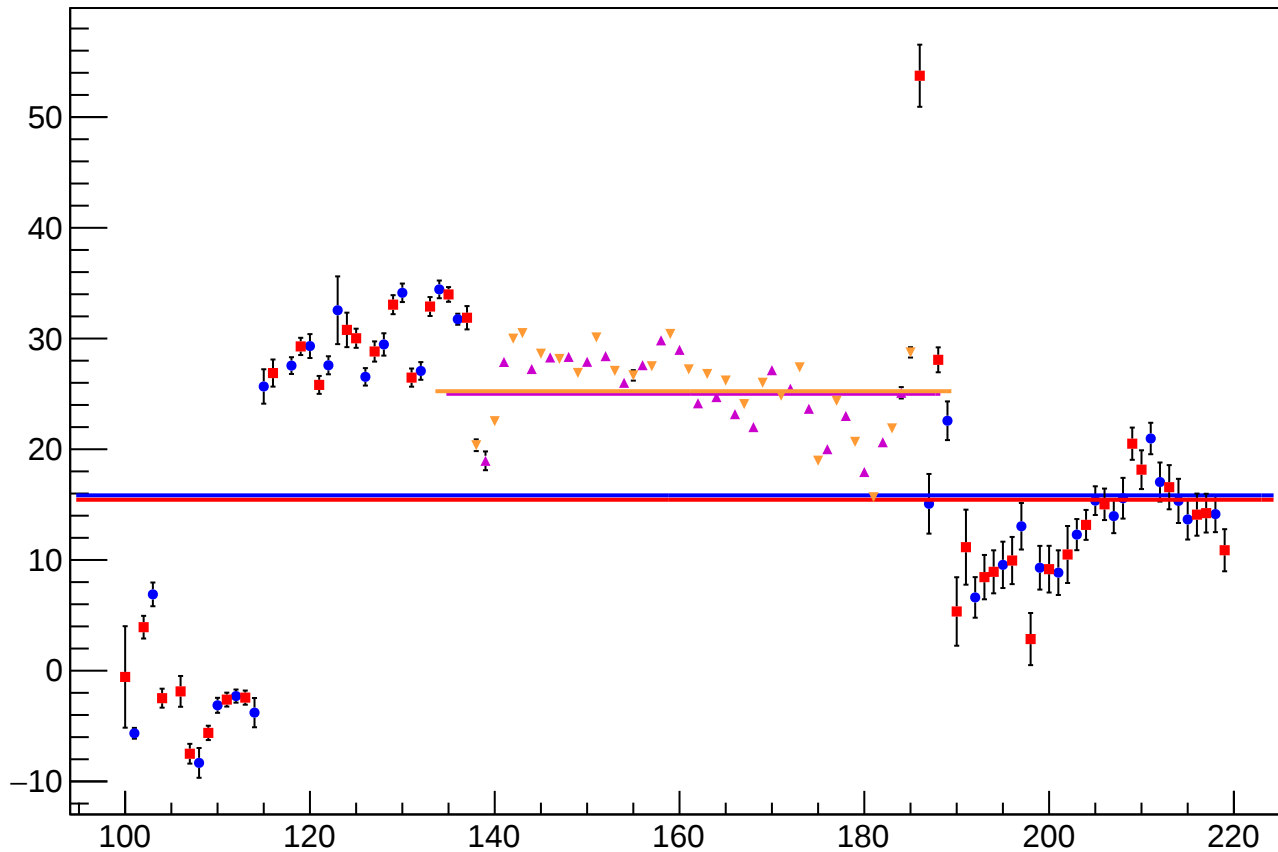
Left In: -22.209 ± 0.072 $\chi^2/\text{NDF}: 17627.4/22$

+ sign -23.617 ± 0.066 $\chi^2/\text{NDF}: 24223.5/57$

All: -23.656 ± 0.047 $\chi^2/\text{NDF}: 49704.7/117$

- sign -23.695 ± 0.067 $\chi^2/\text{NDF}: 25480.6/59$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.836 $\pm$ 0.176 χ^2 /NDF: 7642.3/32

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.440 $\pm$ 0.179 χ^2 /NDF: 7682.5/36

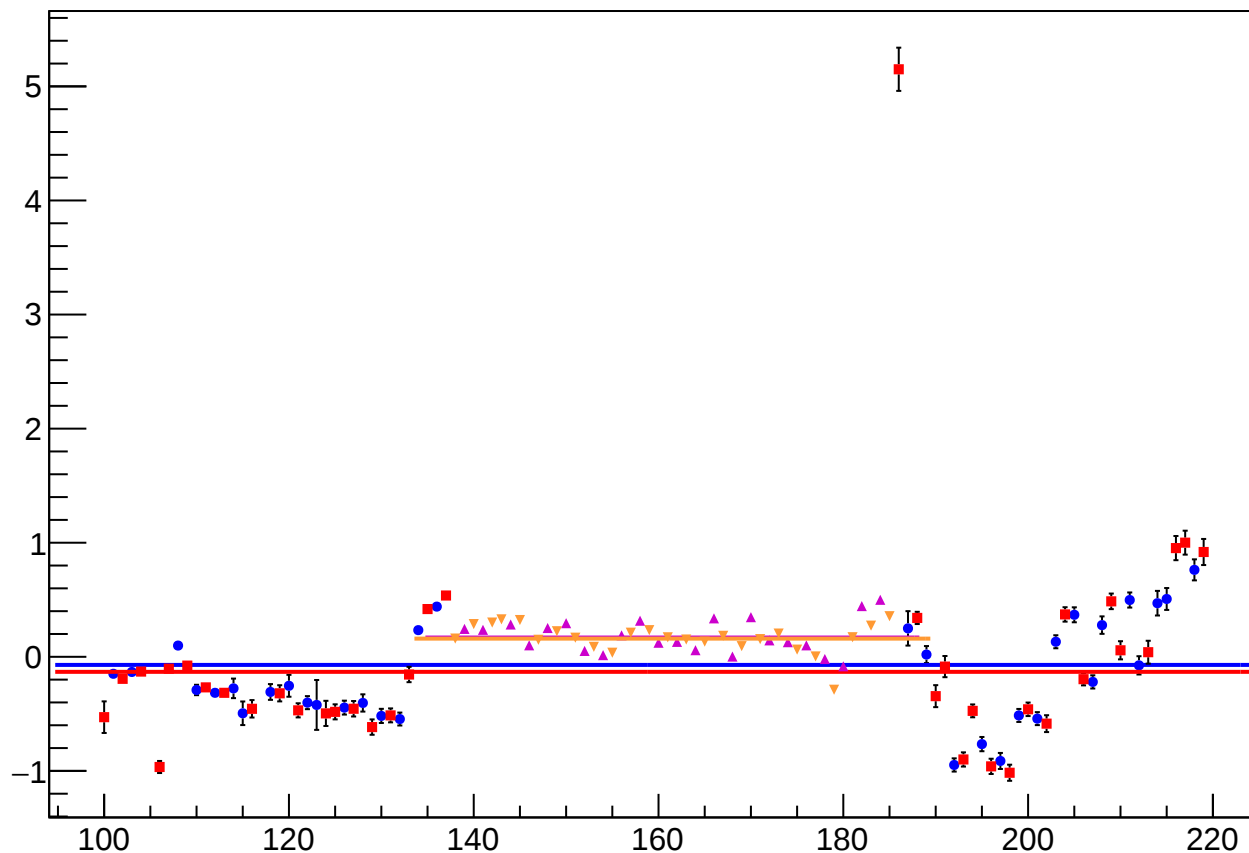
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.184 $\pm$ 0.059 χ^2 /NDF: 13964.9/57

All: 24.062 $\pm$ 0.042 χ^2 /NDF: 26901.6/117

- sign 23.934 $\pm$ 0.060 χ^2 /NDF: 12927.9/59

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.071 ± 0.009 χ^2/NDF : 1956.3/32

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.132 ± 0.009 χ^2/NDF : 3050.4/36

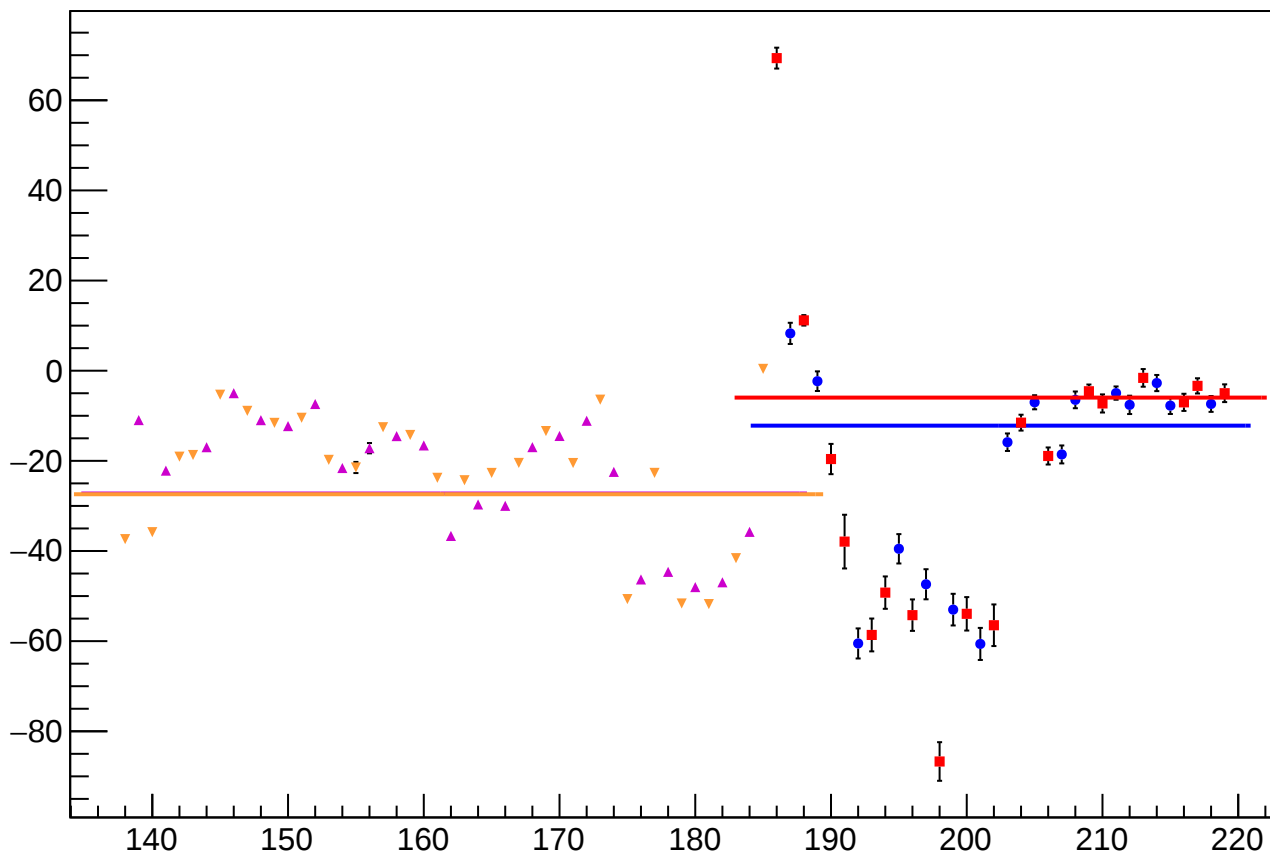
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.138 ± 0.003 χ^2/NDF : 4429.1/57

All: 0.139 ± 0.002 χ^2/NDF : 10931.8/117

- sign 0.140 ± 0.003 χ^2/NDF : 6502.5/59

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -12.190 ± 0.522 χ^2/NDF : 912.8/15

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: -5.966 ± 0.507 χ^2/NDF : 2573.0/17

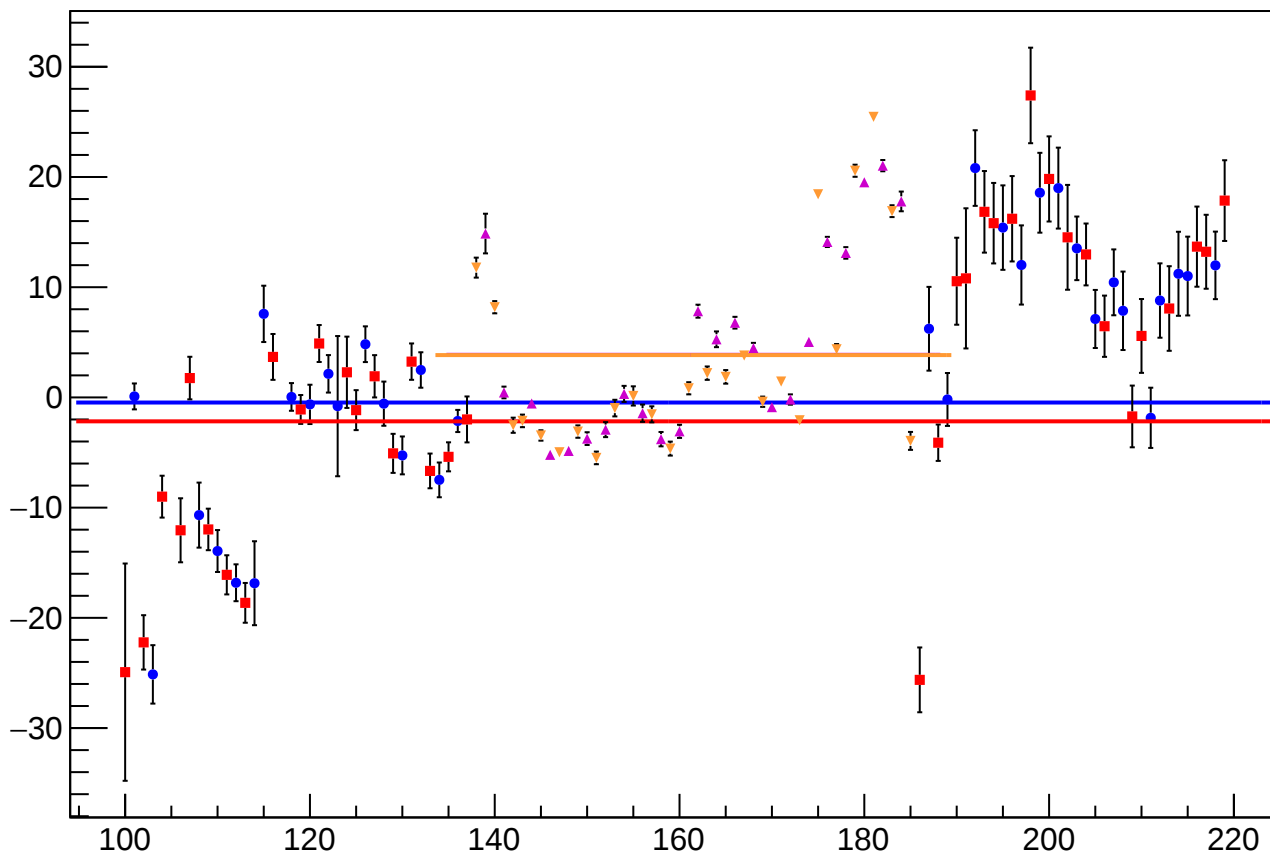
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -26.429 ± 0.132 χ^2/NDF : 16558.4/40

All: -26.093 ± 0.094 χ^2/NDF : 32089.7/81

- sign -25.746 ± 0.134 χ^2/NDF : 15518.2/40

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.463 ± 0.366 χ^2/NDF : 540.9/32

Left Out: 3.841 ± 0.109 χ^2/NDF : 6939.2/24

Right Out: -2.171 ± 0.372 χ^2/NDF : 697.7/36

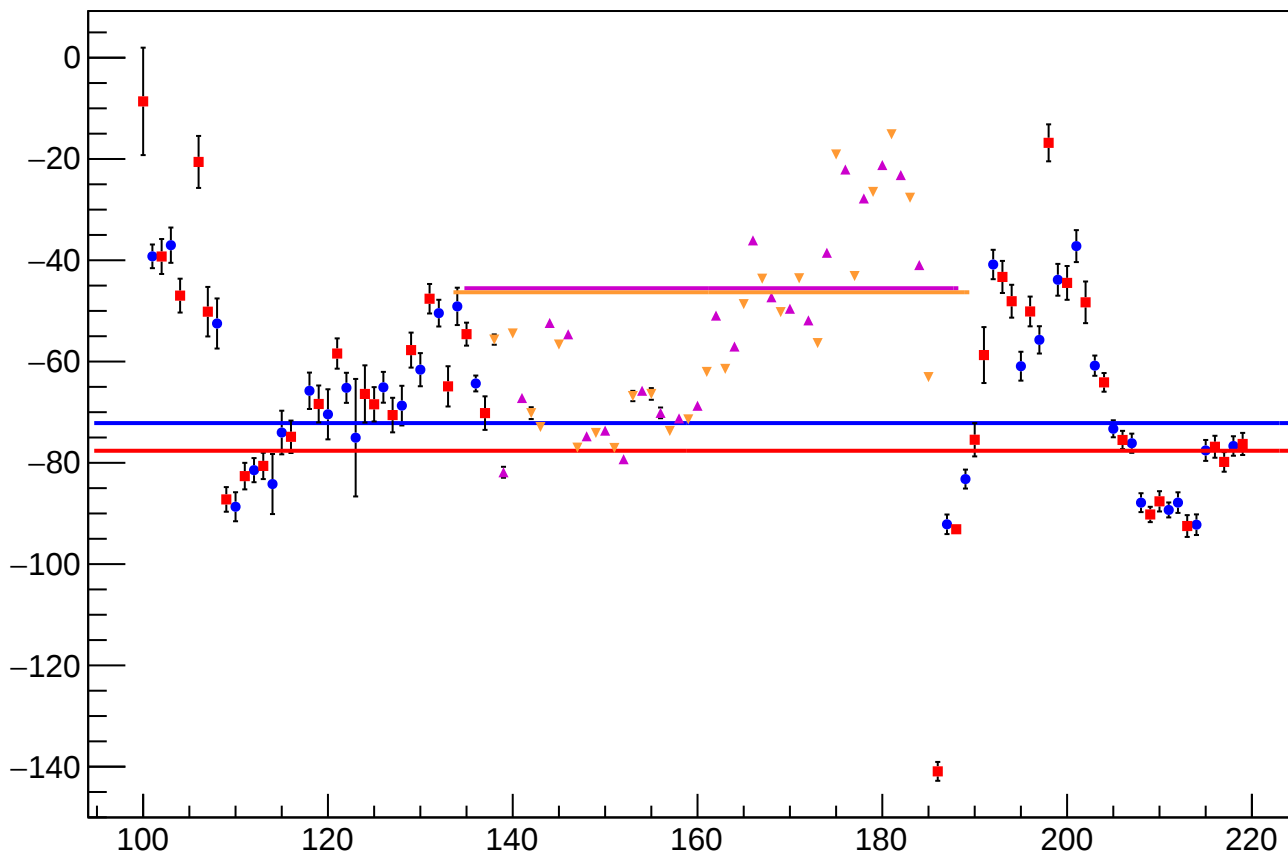
Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

+ sign 3.490 ± 0.105 χ^2/NDF : 7607.0/57

All: 3.432 ± 0.075 χ^2/NDF : 13970.7/117

- sign 3.372 ± 0.107 χ^2/NDF : 6363.1/59

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -72.152±/0.424 χ^2/NDF : 1452.4/32

Left Out: -46.318±/0.138 χ^2/NDF : 20134.6/24

Right Out: -77.617±/0.407 χ^2/NDF : 3100.7/36

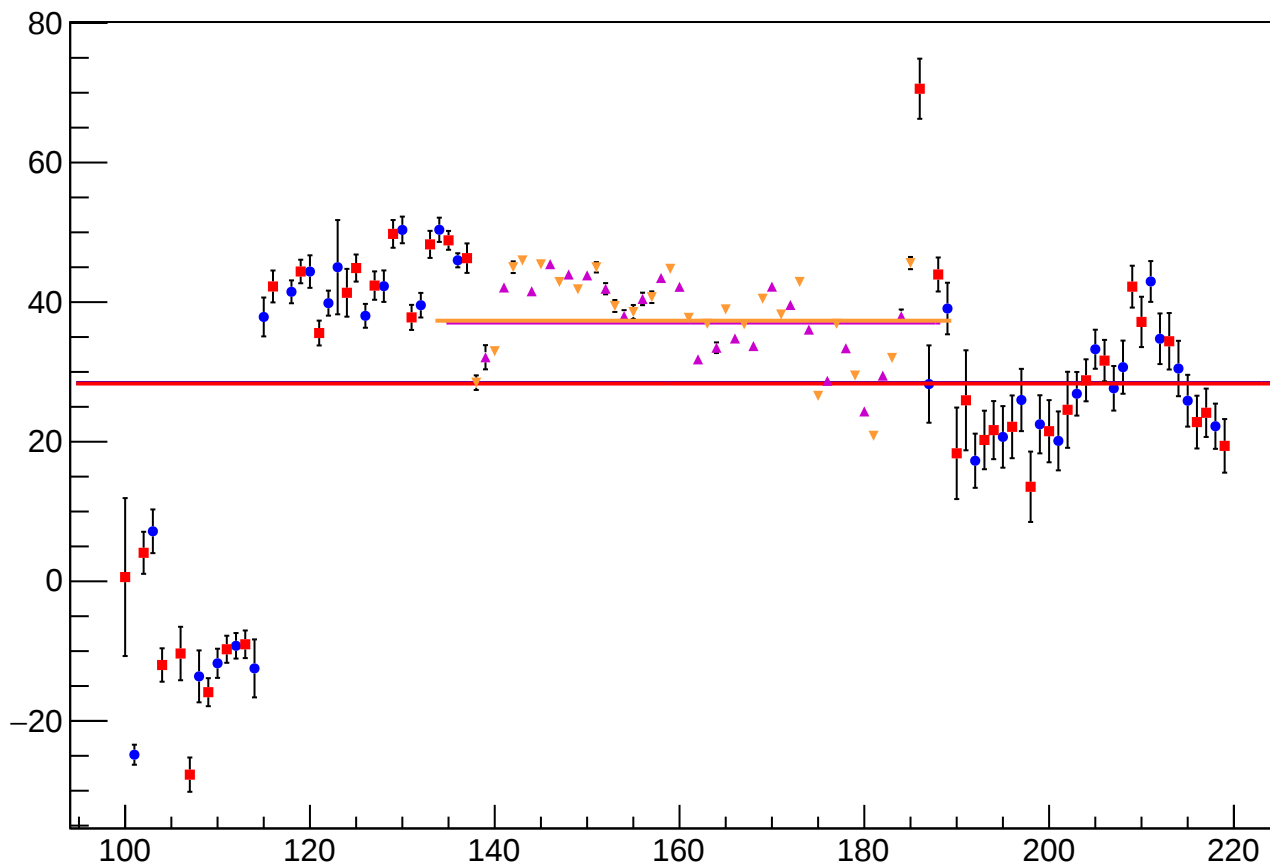
Left In: -45.522±/0.140 χ^2/NDF : 17525.4/22

+ sign -48.793±/0.131 χ^2/NDF : 24948.1/57

All: -48.851±/0.093 χ^2/NDF : 51144.2/117

- sign -48.910±/0.132 χ^2/NDF : 26195.7/59

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.416 ± 0.411 χ^2/NDF : 3372.7/32

Left Out: 37.340 ± 0.123 χ^2/NDF : 3149.1/24

Right Out: 28.340 ± 0.423 χ^2/NDF : 3234.5/36

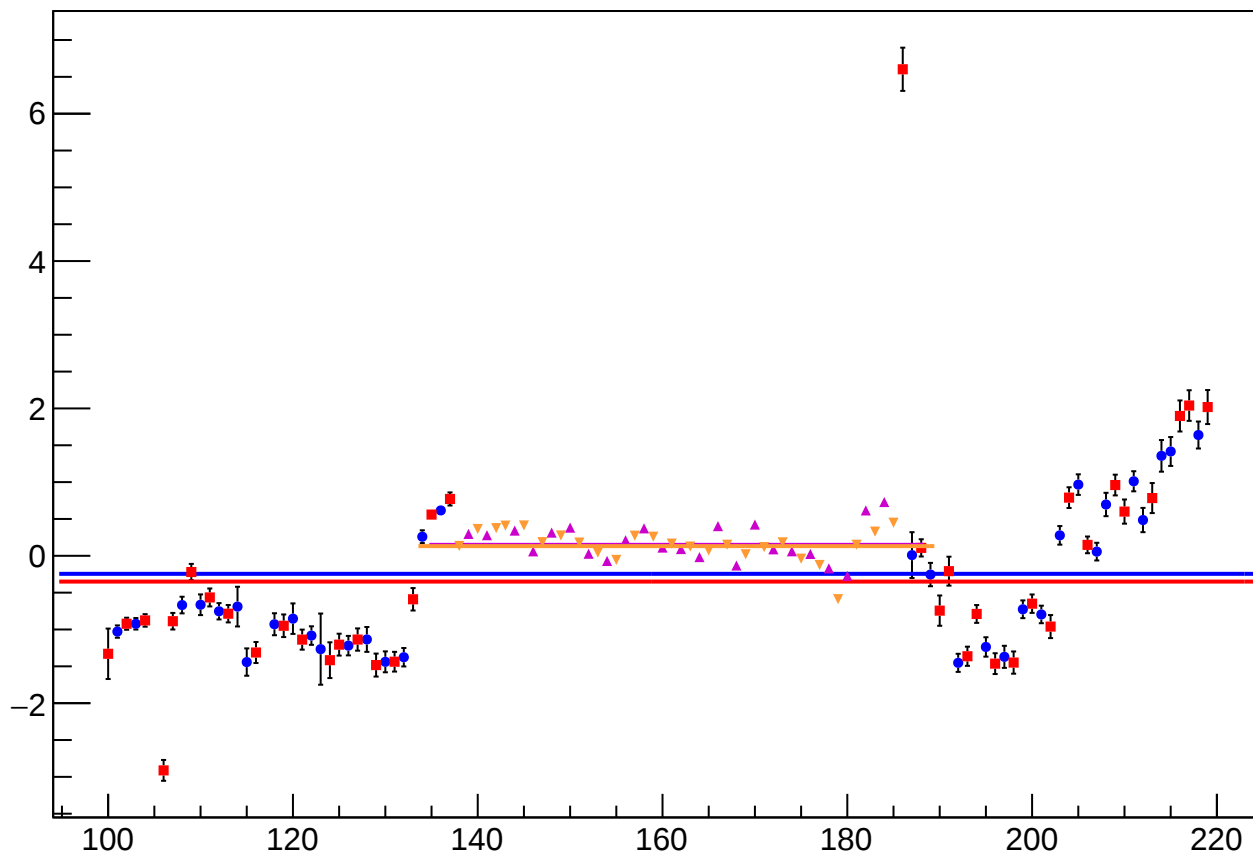
Left In: 37.074 ± 0.125 χ^2/NDF : 2397.3/22

+ sign 36.608 ± 0.118 χ^2/NDF : 6954.5/57

All: 36.491 ± 0.084 χ^2/NDF : 12980.5/117

- sign 36.370 ± 0.120 χ^2/NDF : 6024.1/59

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.245 ± 0.021 χ^2/NDF : 1740.0/32

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.350 ± 0.021 χ^2/NDF : 2579.0/36

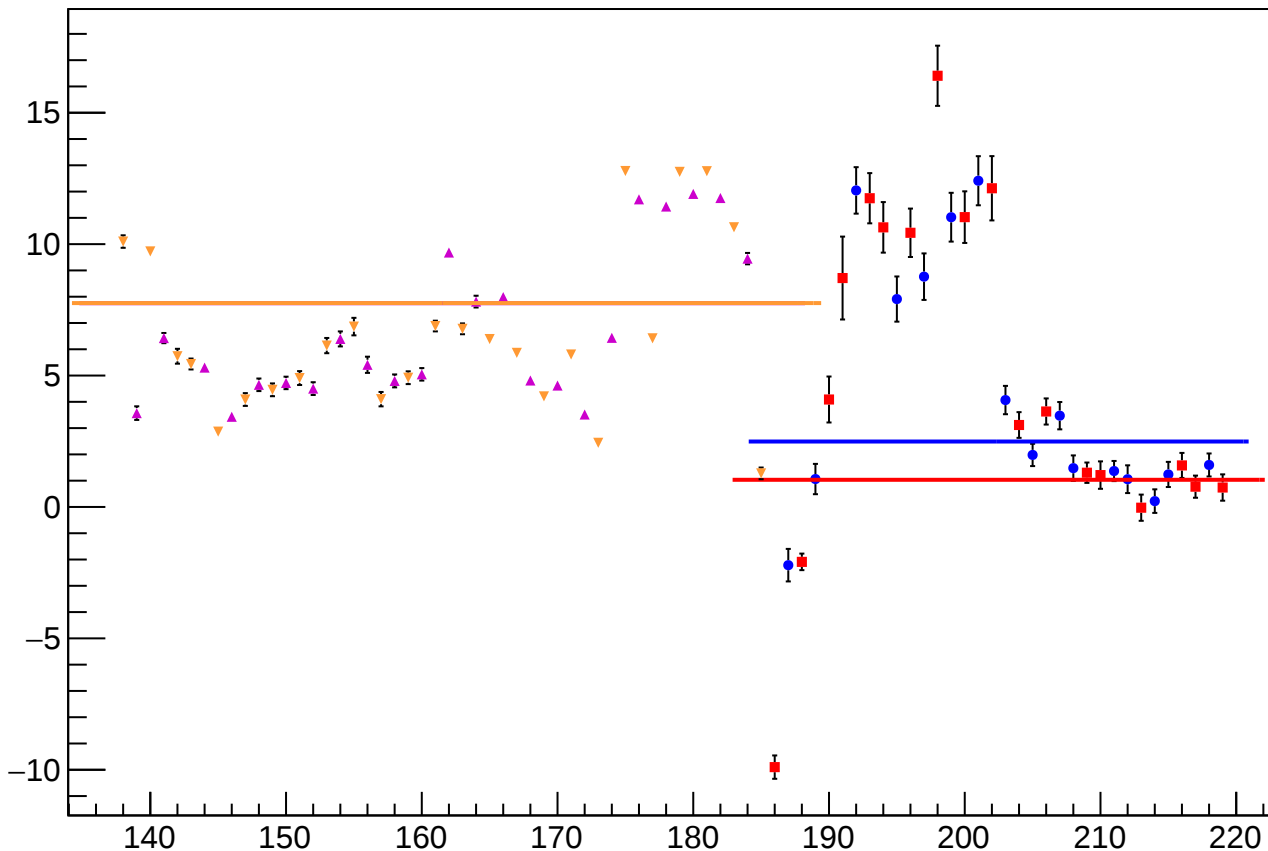
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.105 ± 0.005 χ^2/NDF : 3475.9/57

All: 0.110 ± 0.004 χ^2/NDF : 8384.9/117

- sign 0.114 ± 0.006 χ^2/NDF : 4907.7/59

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.490 ± 0.136 χ^2/NDF : 538.6/15

Left Out: 7.757 ± 0.034 χ^2/NDF : 11728.6/24

Right Out: 1.033 ± 0.130 χ^2/NDF : 1488.2/17

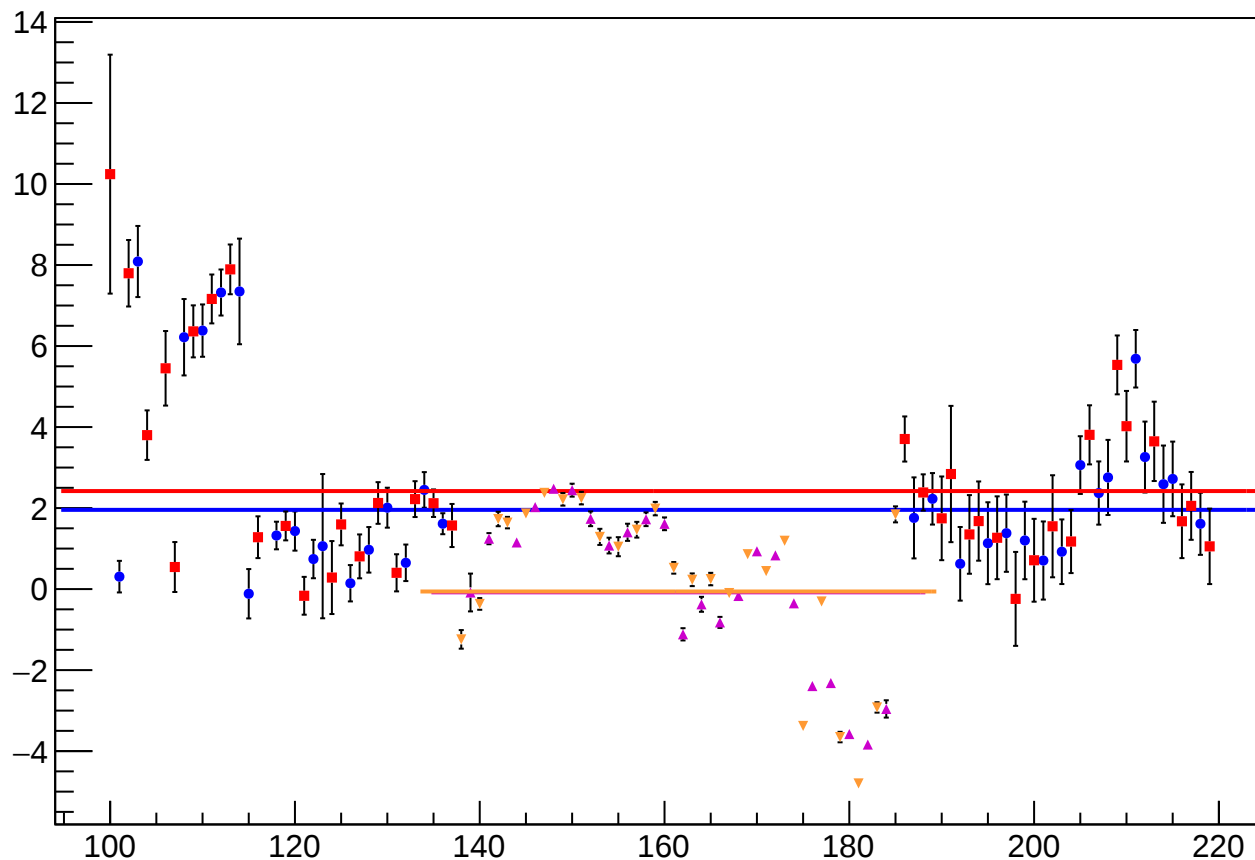
Left In: 7.753 ± 0.035 χ^2/NDF : 8345.2/22

+ sign 7.443 ± 0.033 χ^2/NDF : 13669.6/40

All: 7.371 ± 0.024 χ^2/NDF : 26008.2/81

- sign 7.296 ± 0.034 χ^2/NDF : 12329.0/40

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.956 ± 0.102 $\chi^2/\text{NDF}: 336.0/32$

Left Out: -0.059 ± 0.028 $\chi^2/\text{NDF}: 6068.8/24$

Right Out: 2.420 ± 0.104 $\chi^2/\text{NDF}: 385.6/36$

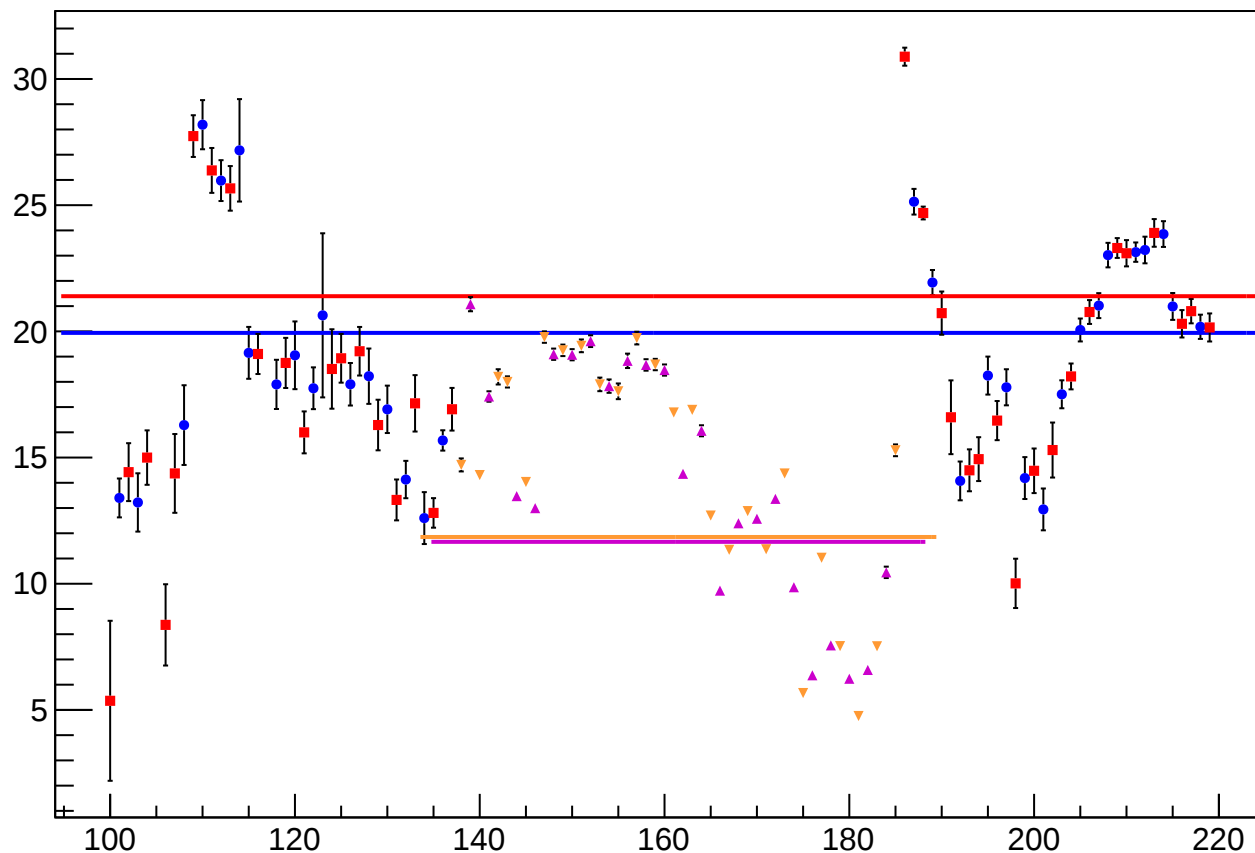
Left In: -0.080 ± 0.028 $\chi^2/\text{NDF}: 4979.5/22$

+ sign 0.078 ± 0.027 $\chi^2/\text{NDF}: 6765.0/57$

All: 0.085 ± 0.019 $\chi^2/\text{NDF}: 12670.5/117$

- sign 0.092 ± 0.027 $\chi^2/\text{NDF}: 5905.3/59$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.940 ± 0.114 χ^2/NDF : 1054.6/32

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.393 ± 0.108 χ^2/NDF : 2138.2/36

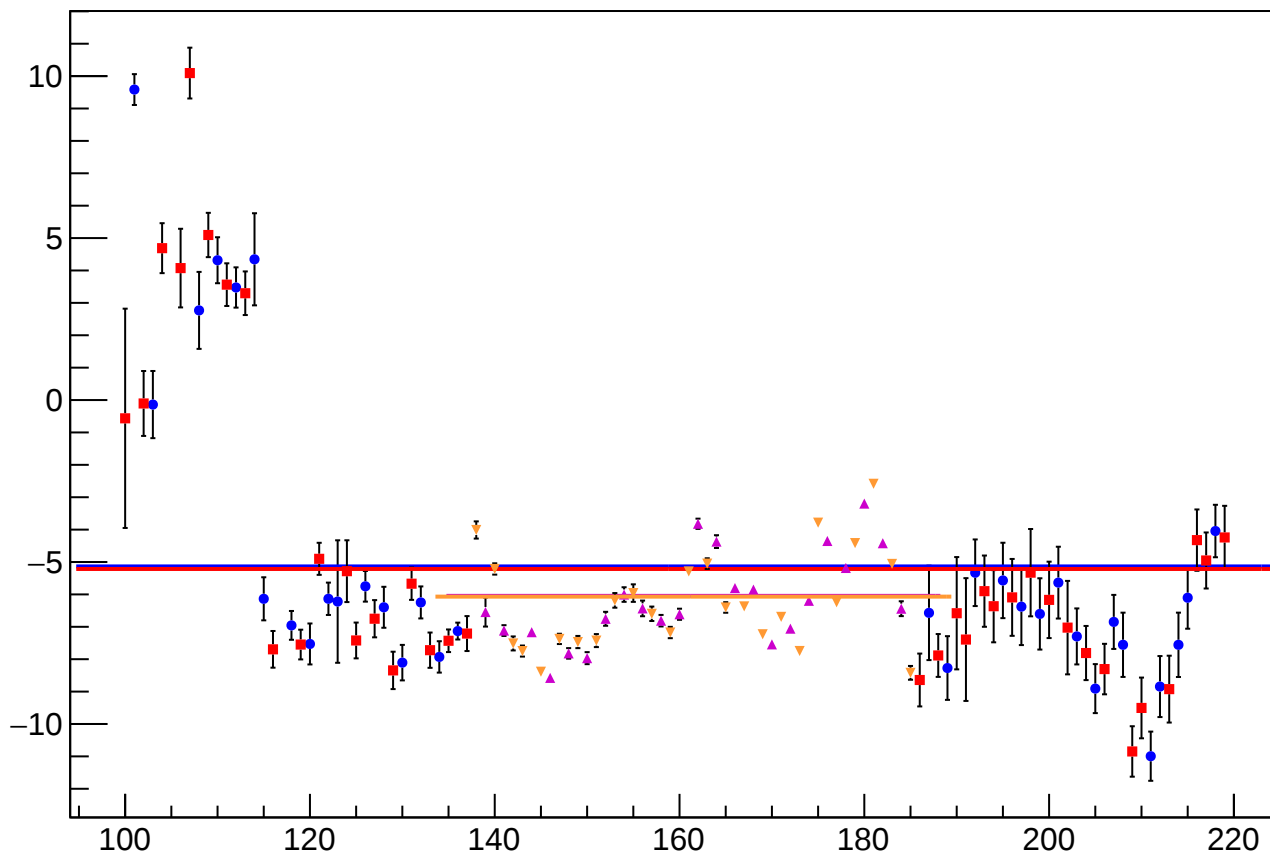
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.537 ± 0.033 χ^2/NDF : 24804.4/57

All: 12.568 ± 0.024 χ^2/NDF : 51040.3/117

- sign 12.600 ± 0.033 χ^2/NDF : 26234.1/59

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.136 ± 0.115 χ^2/NDF : 1746.3/32

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -5.214 ± 0.118 χ^2/NDF : 1524.5/36

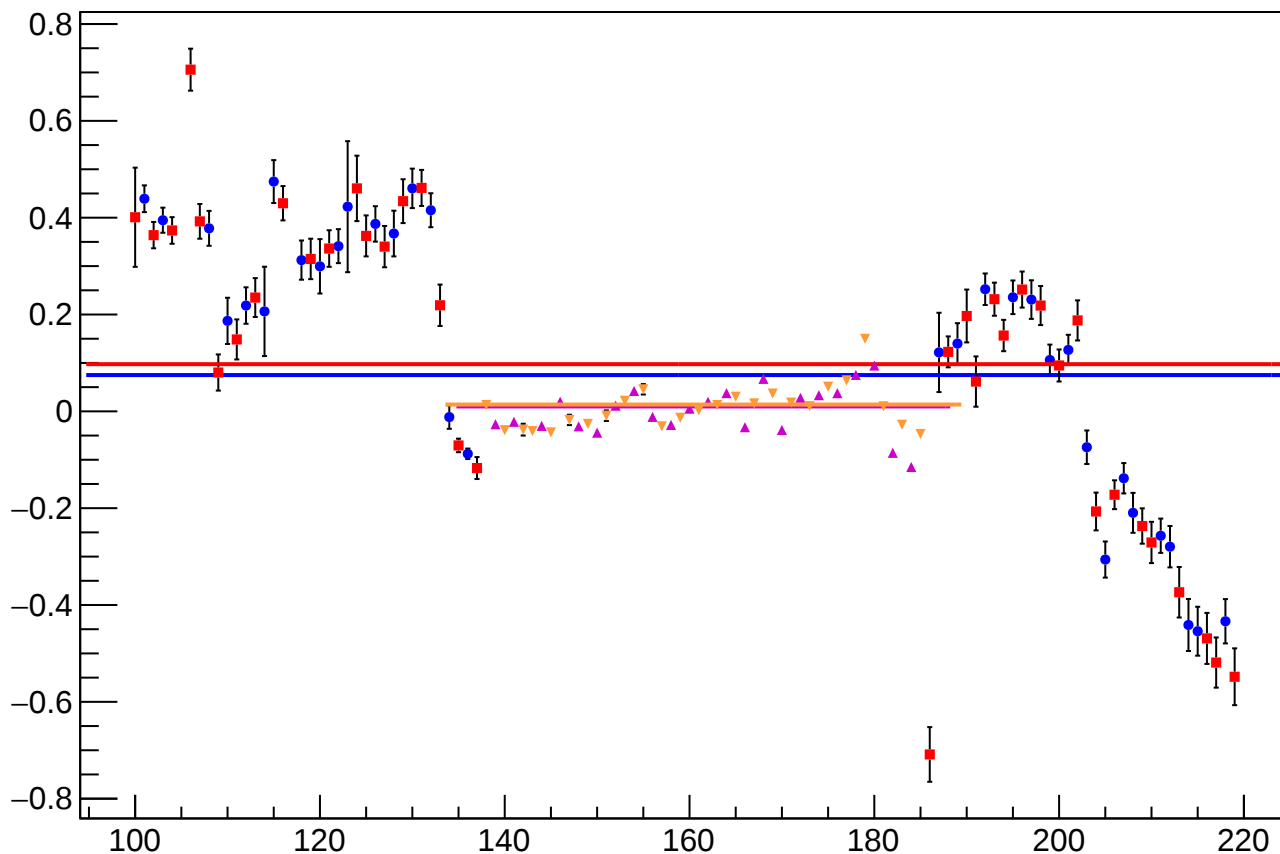
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -6.004 ± 0.030 χ^2/NDF : 4479.7/57

All: -5.997 ± 0.021 χ^2/NDF : 8344.3/117

- sign -5.989 ± 0.031 χ^2/NDF : 3864.5/59

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.075 $\pm$ 0.006 χ^2 /NDF: 1919.7/32

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 956.2/24

Right Out: 0.097 $\pm$ 0.006 χ^2 /NDF: 2149.9/36

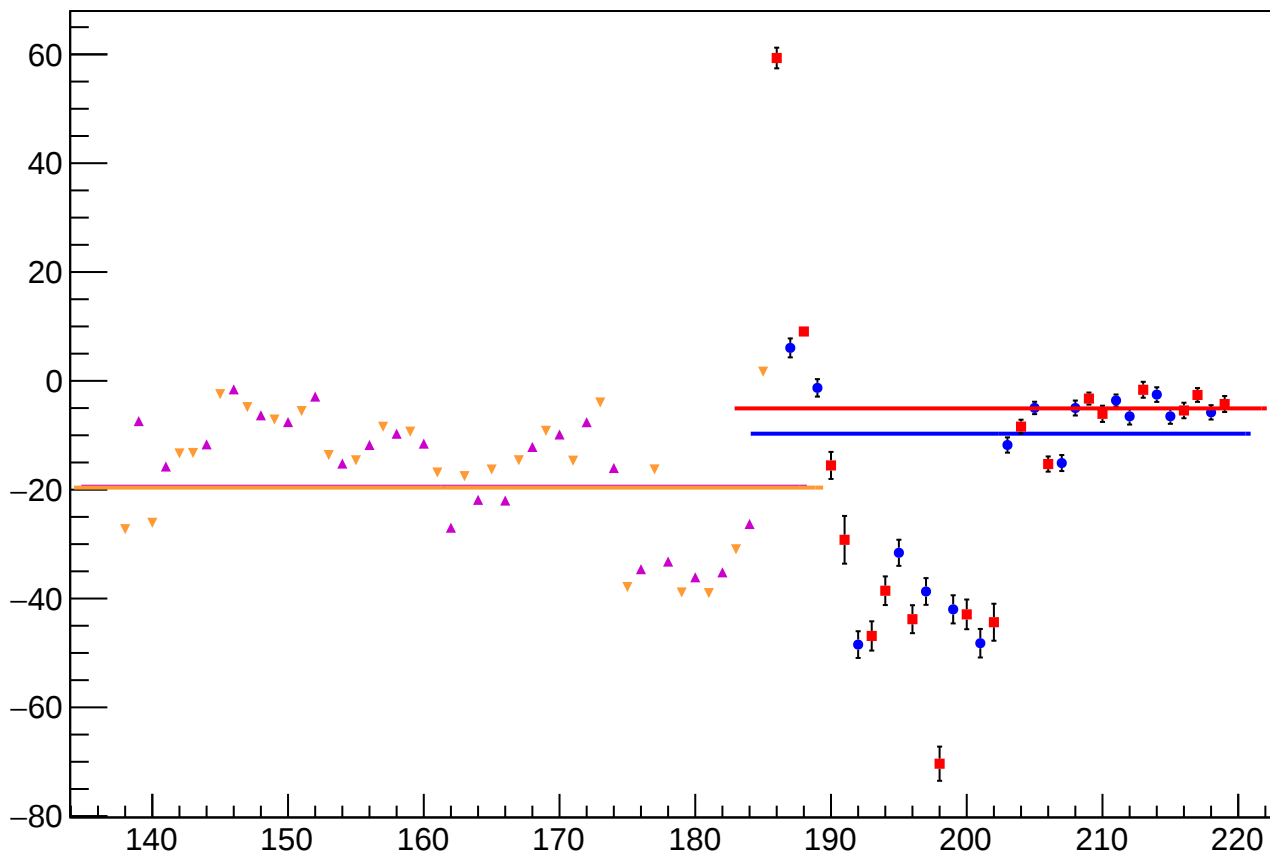
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.018 $\pm$ 0.001 χ^2 /NDF: 2983.6/57

All: 0.016 $\pm$ 0.001 χ^2 /NDF: 6561.7/117

- sign 0.015 $\pm$ 0.001 χ^2 /NDF: 3576.5/59

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -9.707 ± 0.386 χ^2/NDF : 1074.9/15

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -5.061 ± 0.376 χ^2/NDF : 2935.2/17

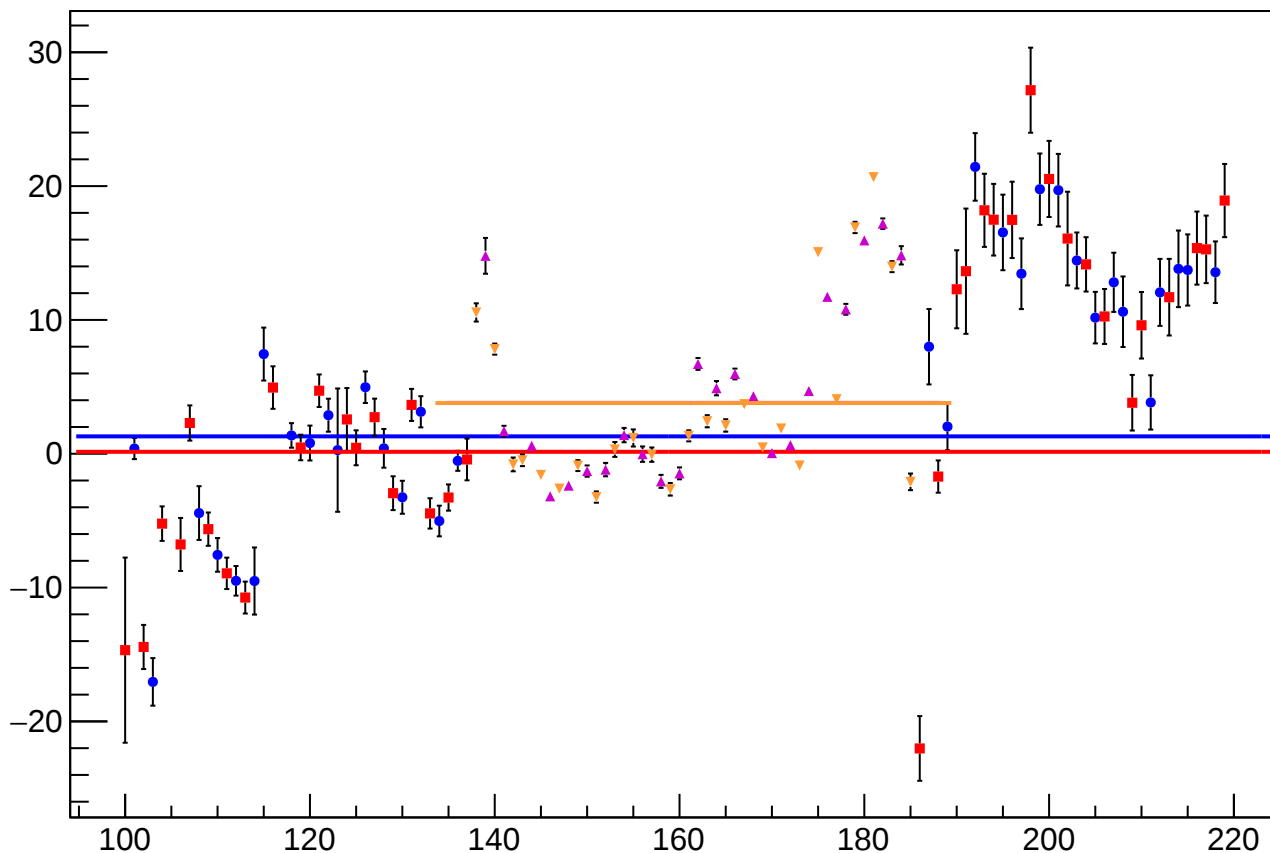
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -18.952 ± 0.100 χ^2/NDF : 17450.3/40

All: -18.684 ± 0.071 χ^2/NDF : 34040.8/81

- sign -18.409 ± 0.101 χ^2/NDF : 16575.9/40

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 1.299 ± 0.263 $\chi^2/\text{NDF}: 757.2/32$

Left Out: 3.788 ± 0.082 $\chi^2/\text{NDF}: 7150.5/24$

Right Out: 0.146 ± 0.267 $\chi^2/\text{NDF}: 949.8/36$

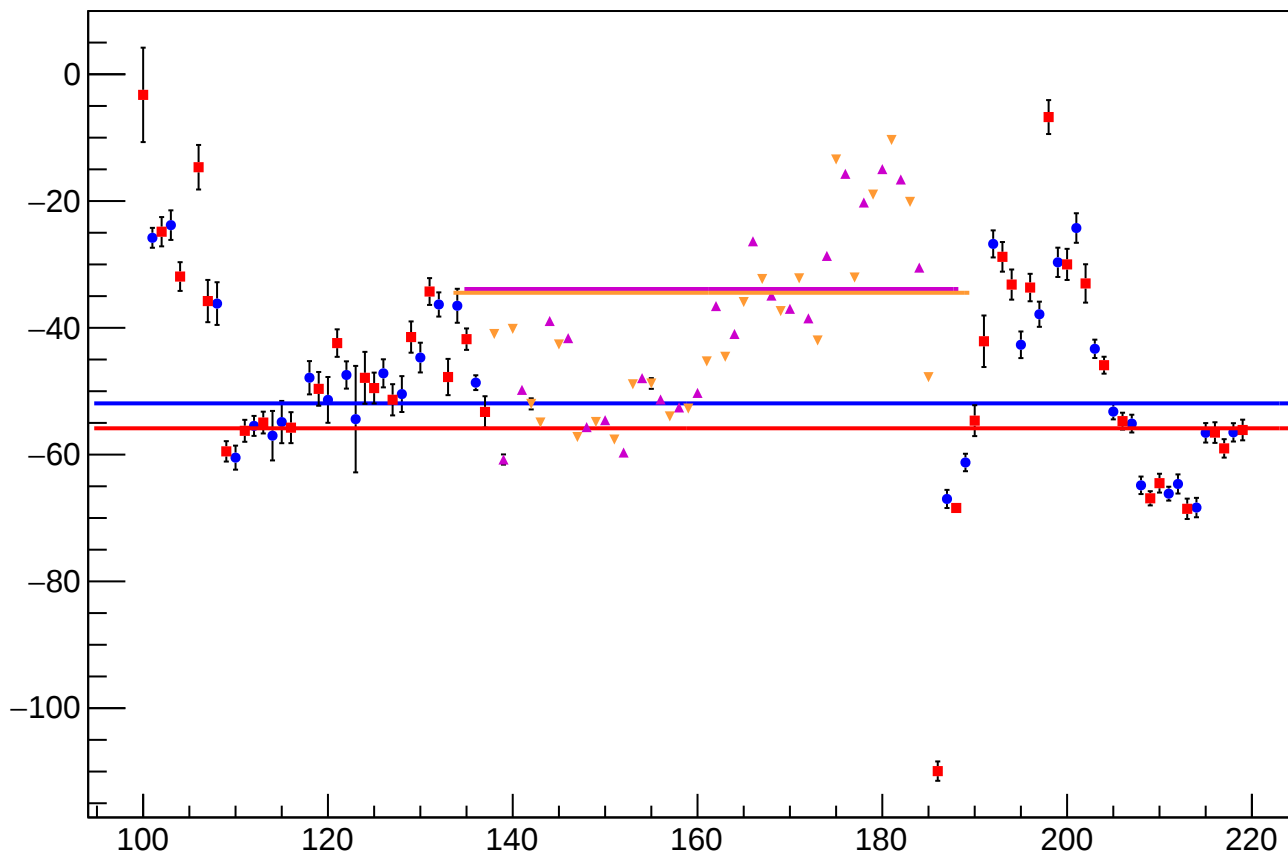
Left In: 3.799 ± 0.084 $\chi^2/\text{NDF}: 5517.0/22$

+ sign 3.567 ± 0.078 $\chi^2/\text{NDF}: 7989.6/57$

All: 3.520 ± 0.056 $\chi^2/\text{NDF}: 14627.8/117$

- sign 3.472 ± 0.080 $\chi^2/\text{NDF}: 6637.5/59$

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -51.918 ± 0.309 χ^2/NDF : 1703.1/32

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -55.850 ± 0.297 χ^2/NDF : 3485.7/36

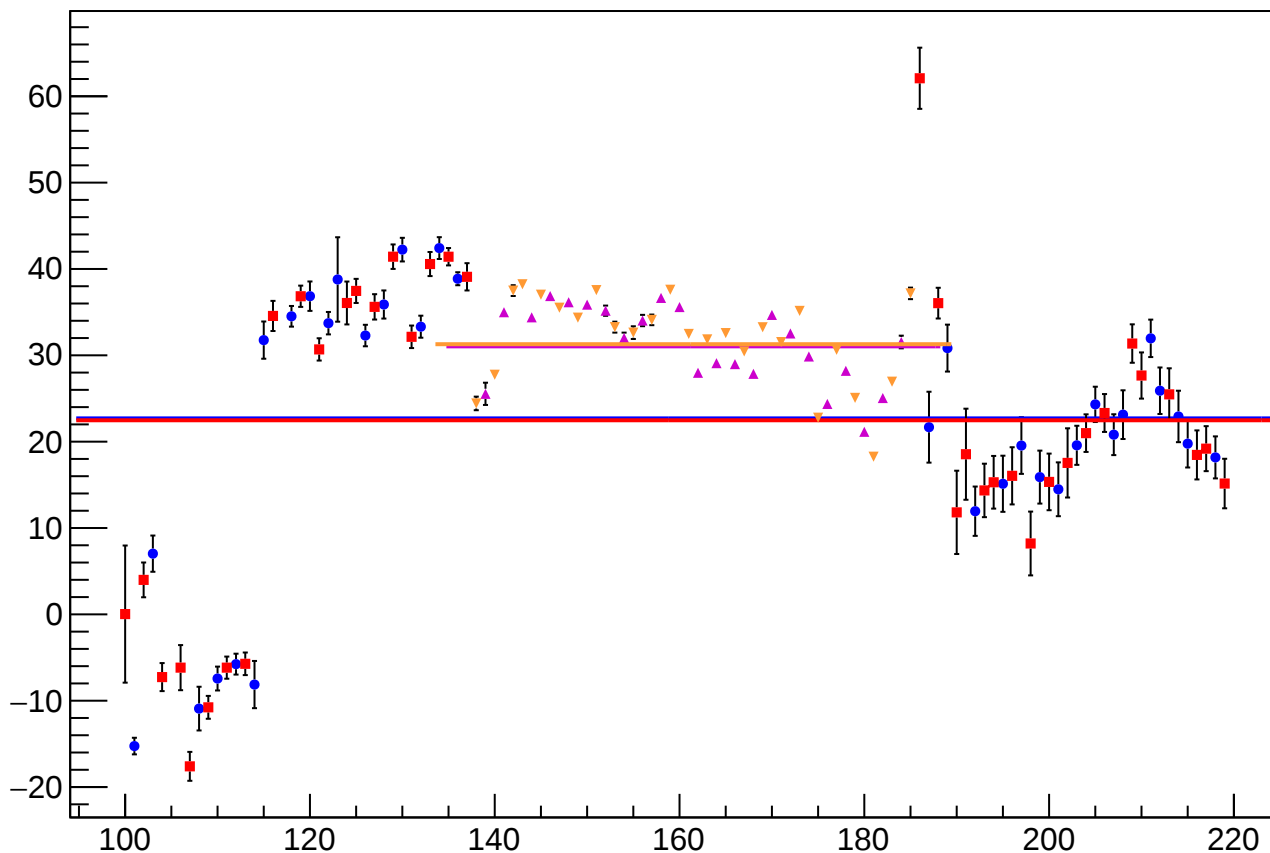
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -36.247 ± 0.099 χ^2/NDF : 24767.1/57

All: -36.287 ± 0.070 χ^2/NDF : 50754.5/117

- sign -36.328 ± 0.099 χ^2/NDF : 25987.1/59

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.695 $\pm$ 0.295 χ^2 /NDF: 4386.5/32

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.478 $\pm$ 0.303 χ^2 /NDF: 4288.6/36

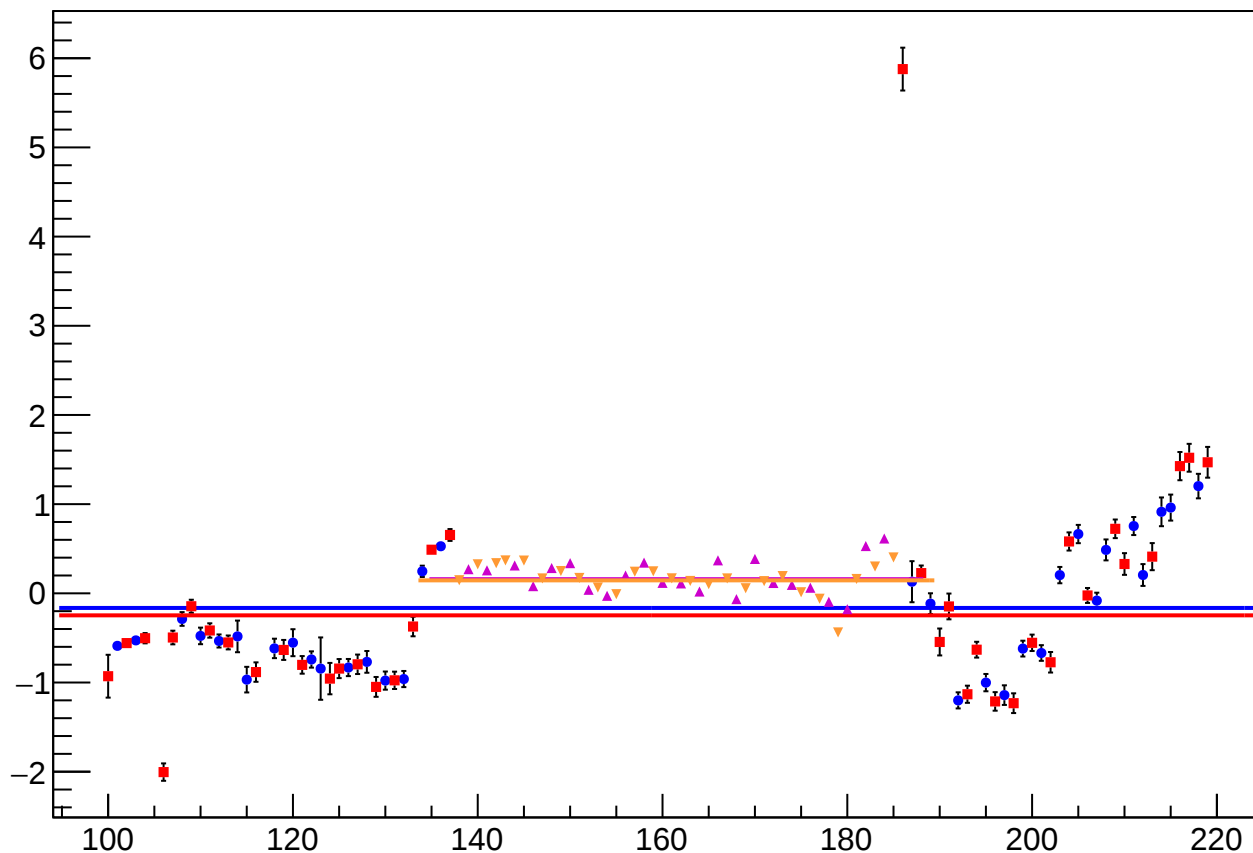
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.520 $\pm$ 0.088 χ^2 /NDF: 8503.8/57

All: 30.405 $\pm$ 0.063 χ^2 /NDF: 16003.8/117

- sign 30.285 $\pm$ 0.090 χ^2 /NDF: 7496.5/59

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.164 ± 0.015 χ^2/NDF : 1750.3/32

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.247 ± 0.015 χ^2/NDF : 2718.8/36

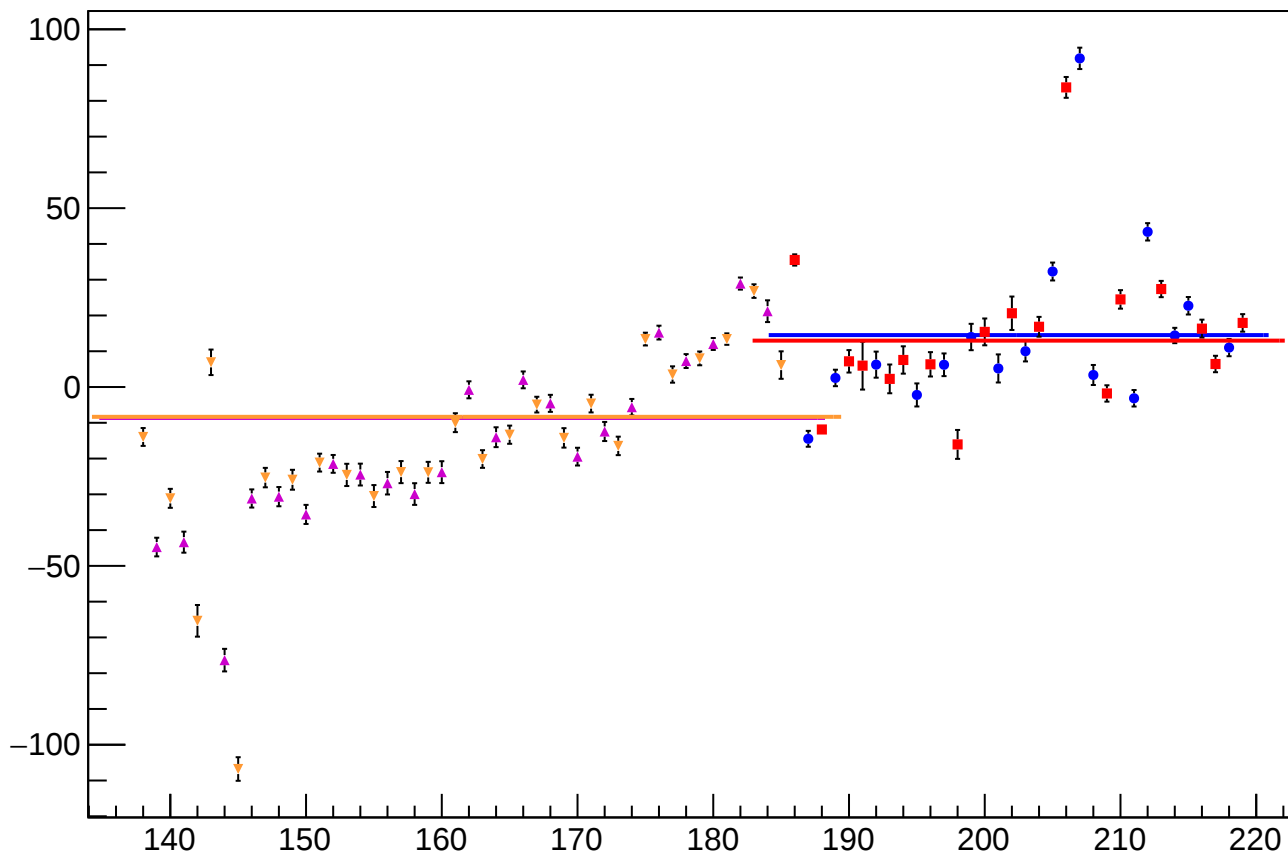
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.122 ± 0.004 χ^2/NDF : 3731.3/57

All: 0.125 ± 0.003 χ^2/NDF : 9133.4/117

- sign 0.128 ± 0.004 χ^2/NDF : 5401.0/59

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 14.515 ± 0.669 $\chi^2/\text{NDF}: 1194.8/15$

Left Out: -8.332 ± 0.500 $\chi^2/\text{NDF}: 2226.2/24$

Right Out: 12.968 ± 0.590 $\chi^2/\text{NDF}: 1388.6/17$

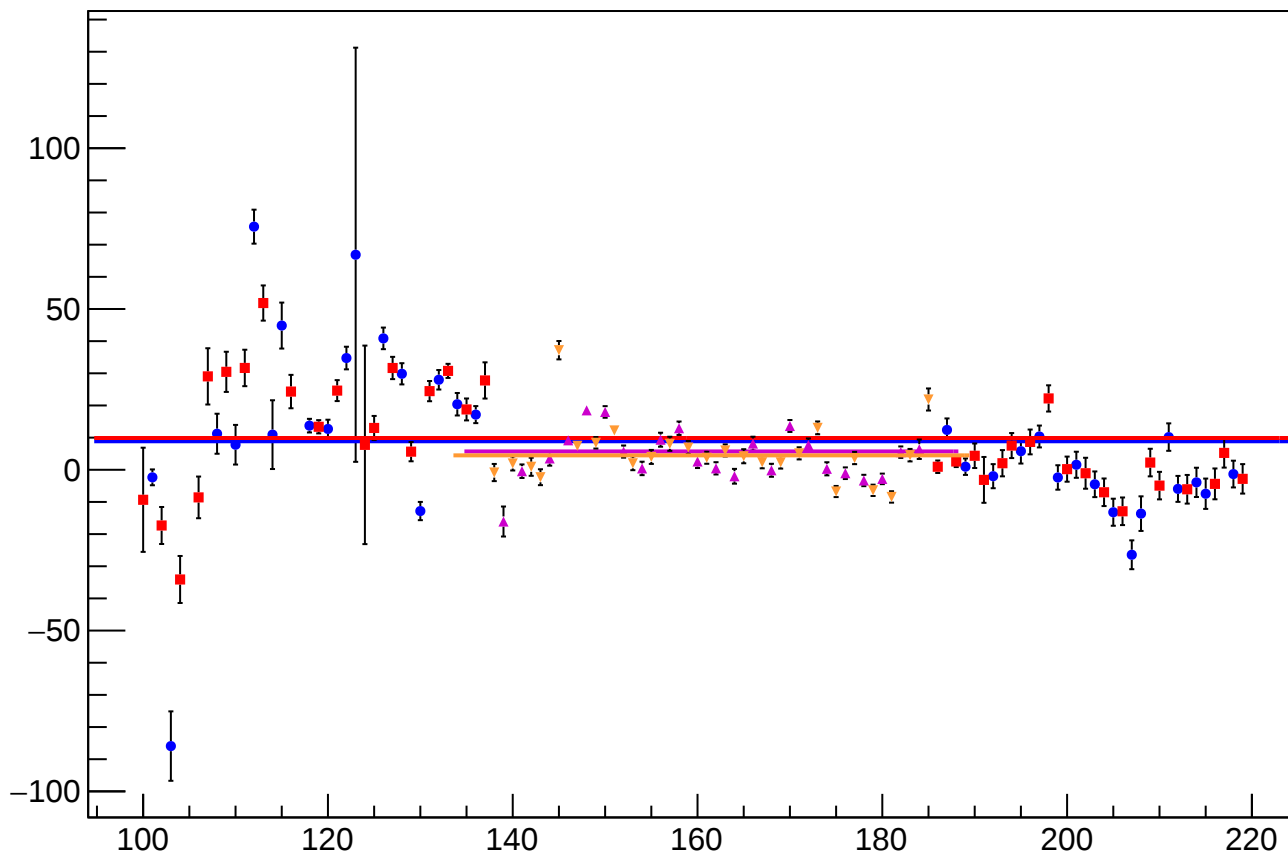
Left In: -8.652 ± 0.507 $\chi^2/\text{NDF}: 2223.8/22$

+ sign -0.145 ± 0.400 $\chi^2/\text{NDF}: 4170.4/40$

All: 0.209 ± 0.277 $\chi^2/\text{NDF}: 8556.5/81$

- sign 0.536 ± 0.385 $\chi^2/\text{NDF}: 4384.6/40$

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 8.867 ± 0.644 χ^2/NDF : 784.3/32

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 9.883 ± 0.609 χ^2/NDF : 517.9/36

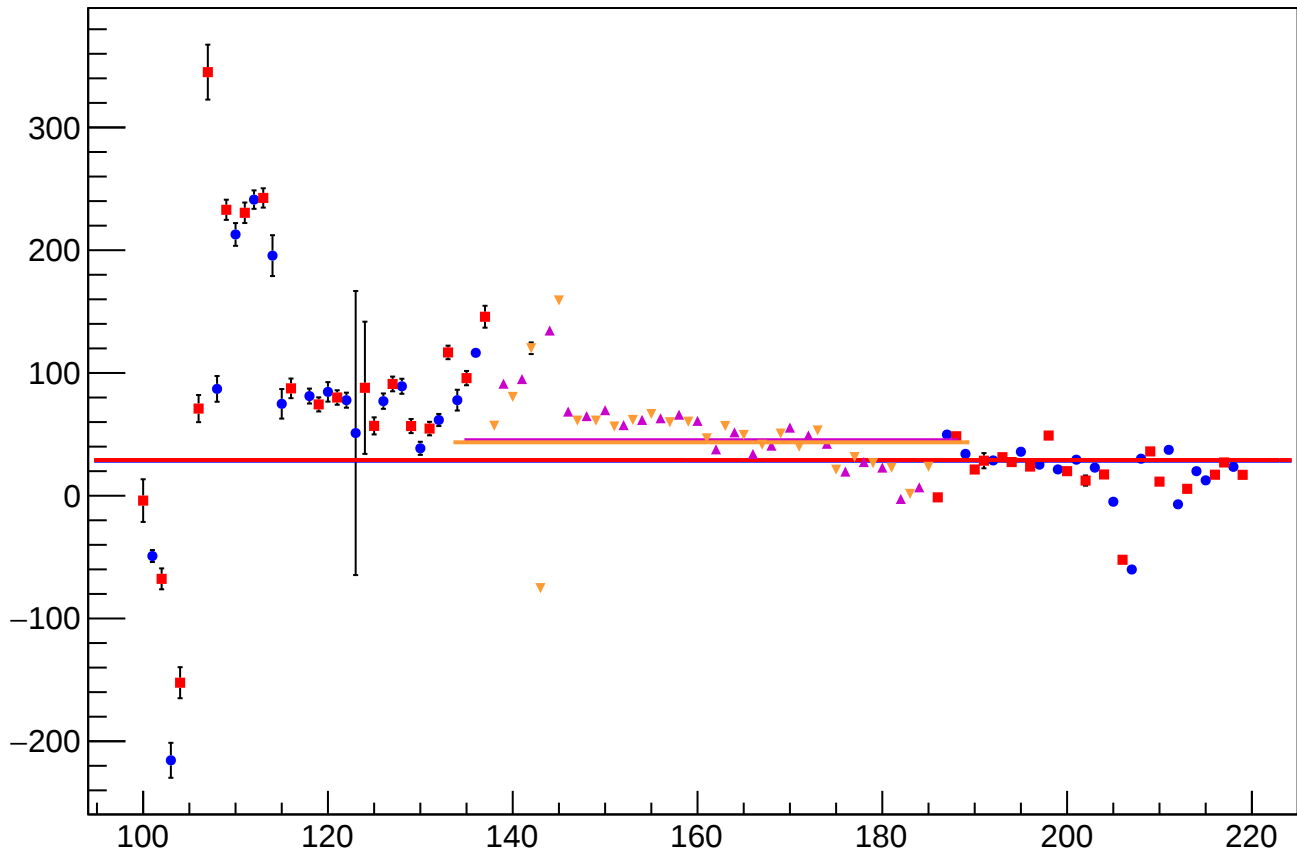
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.669 ± 0.335 χ^2/NDF : 1189.9/57

All: 6.322 ± 0.237 χ^2/NDF : 2072.2/117

- sign 6.983 ± 0.337 χ^2/NDF : 874.6/59

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 28.526 ± 0.597 $\chi^2/\text{NDF}: 4350.2/32$

Left Out: 43.524 ± 0.498 $\chi^2/\text{NDF}: 3830.7/24$

Right Out: 29.097 ± 0.514 $\chi^2/\text{NDF}: 5487.3/36$

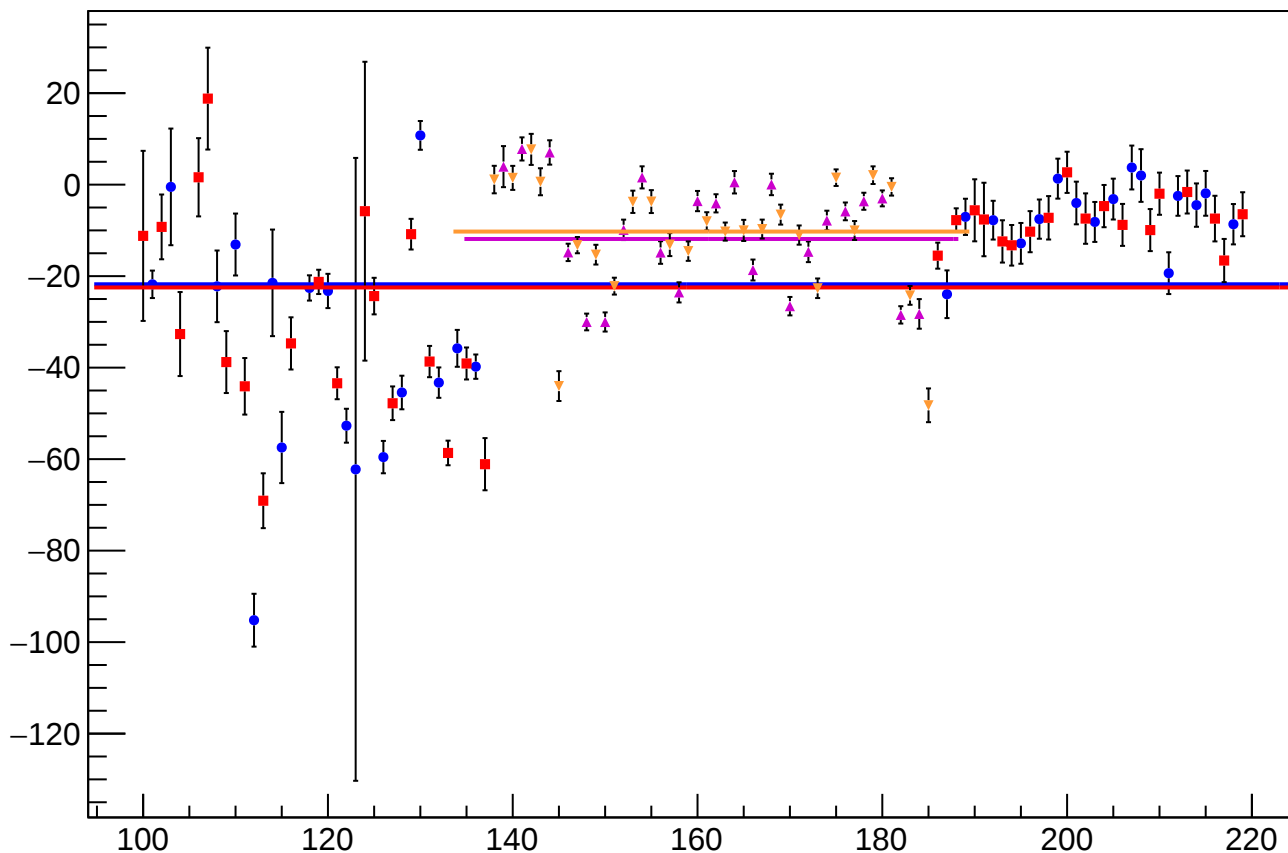
Left In: 45.211 ± 0.504 $\chi^2/\text{NDF}: 3048.5/22$

+ sign 37.366 ± 0.383 $\chi^2/\text{NDF}: 8552.7/57$

All: 37.337 ± 0.262 $\chi^2/\text{NDF}: 17589.0/117$

- sign 37.312 ± 0.360 $\chi^2/\text{NDF}: 9036.3/59$

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -21.778 ± 0.744 χ^2/NDF : 833.6/32

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -22.474 ± 0.726 χ^2/NDF : 683.6/36

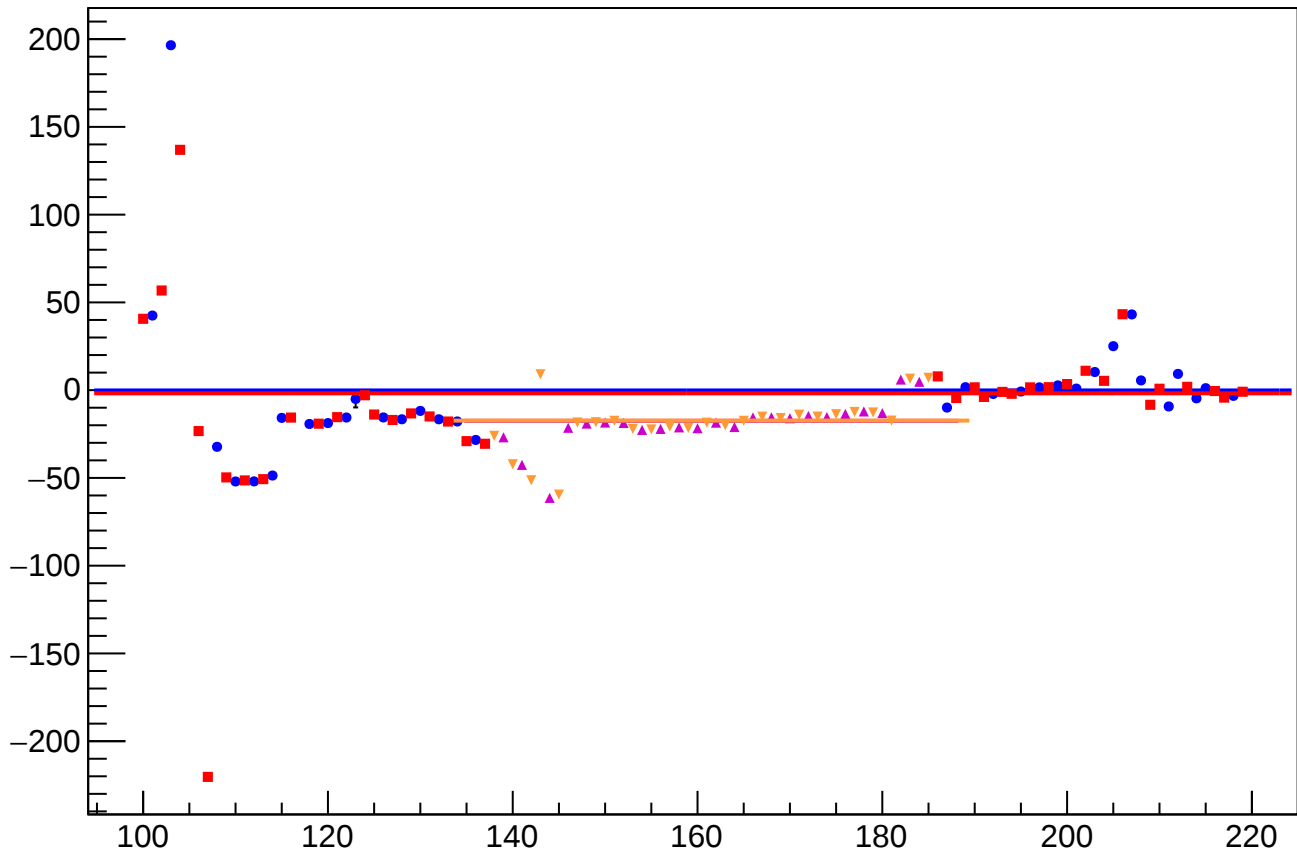
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.287 ± 0.381 χ^2/NDF : 1562.9/57

All: -14.071 ± 0.271 χ^2/NDF : 3074.0/117

- sign -14.875 ± 0.386 χ^2/NDF : 1502.6/59

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.156 ± 0.035 χ^2/NDF : 678471.9/32

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.804 ± 0.034 χ^2/NDF : 672422.7/36

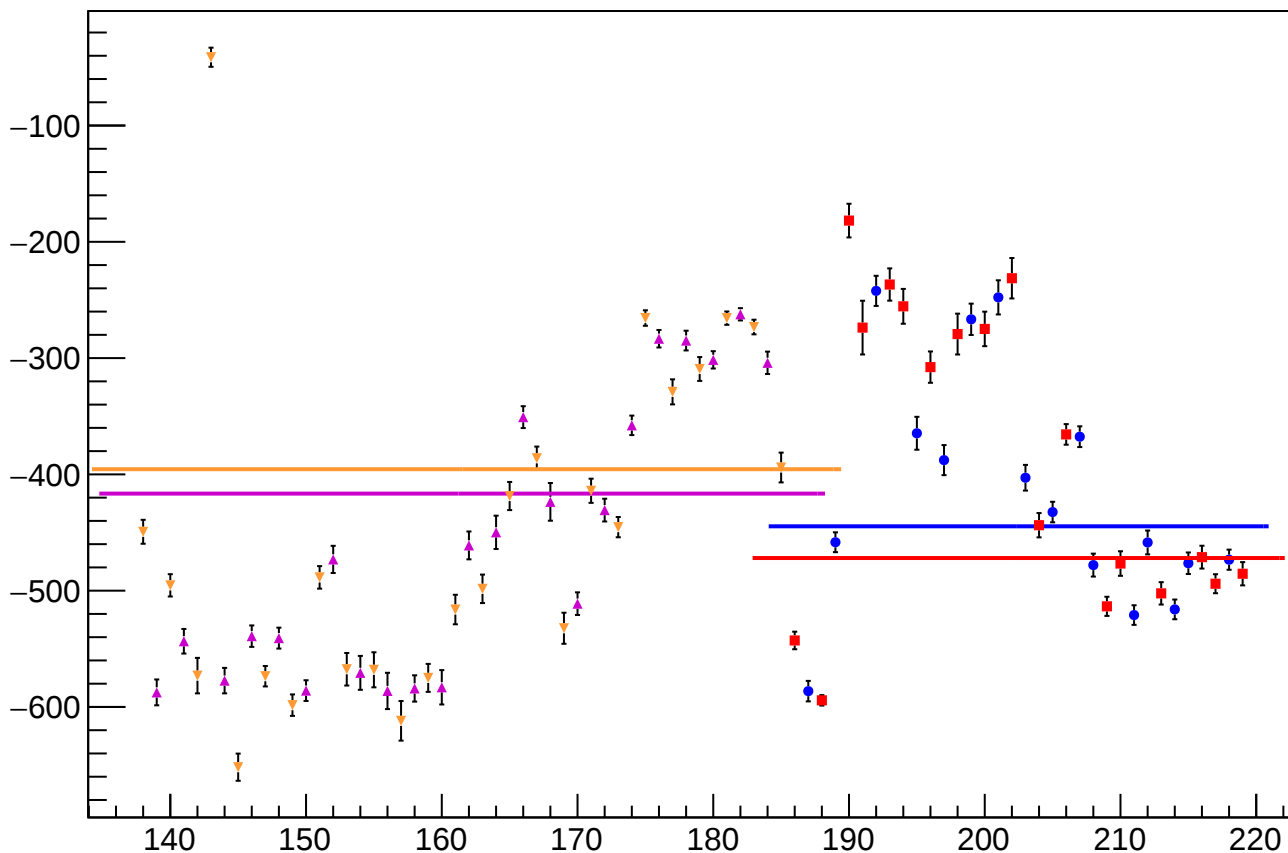
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -13.011 ± 0.018 χ^2/NDF : 1182048.2/57

All: -13.154 ± 0.012 χ^2/NDF : 2267681.8/117

- sign -13.298 ± 0.018 χ^2/NDF : 1085501.1/59

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -444.660 ± 2.500 $\chi^2/\text{NDF}: 1190.9/15$

Left Out: -395.547 ± 1.953 $\chi^2/\text{NDF}: 5946.5/24$

Right Out: -471.926 ± 2.283 $\chi^2/\text{NDF}: 2636.0/17$

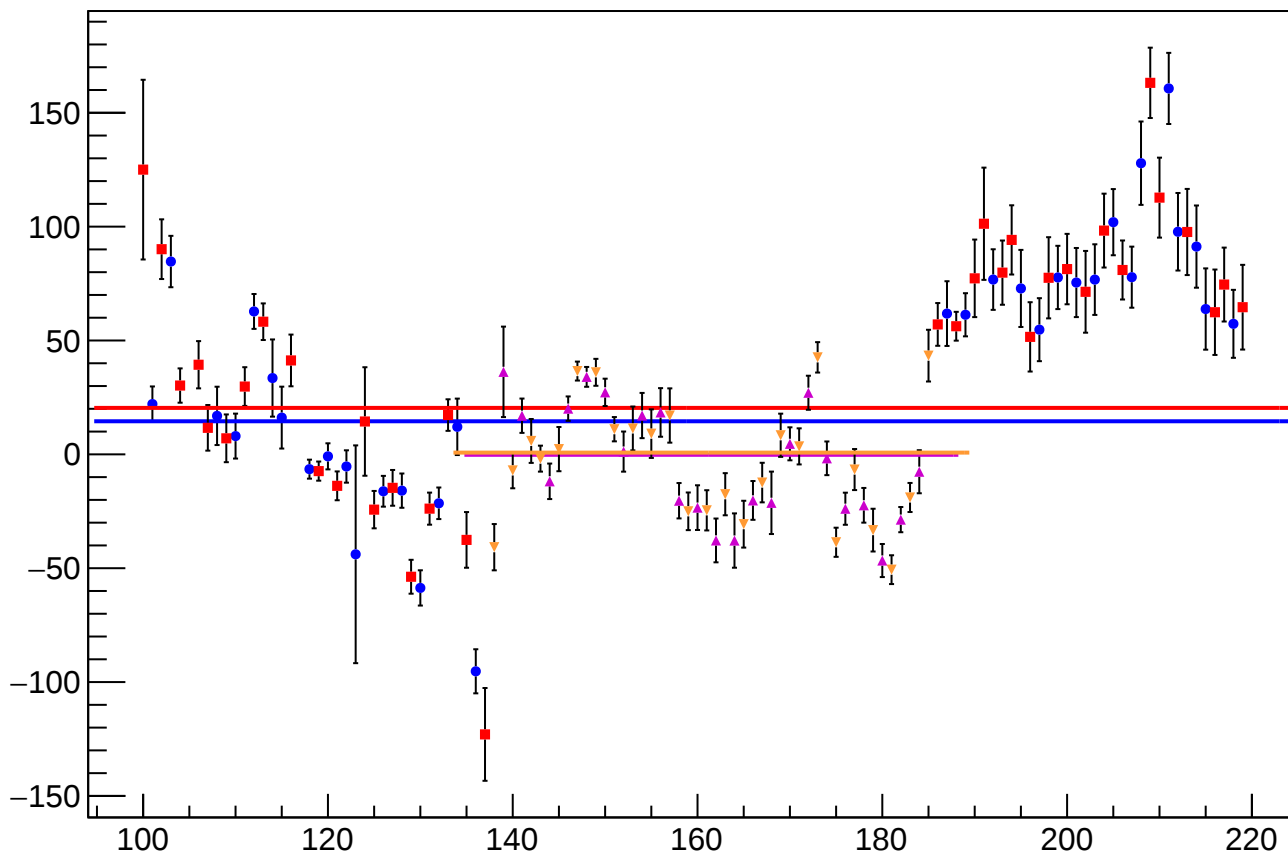
Left In: -416.521 ± 2.005 $\chi^2/\text{NDF}: 3917.0/22$

+ sign -414.169 ± 1.539 $\chi^2/\text{NDF}: 7377.1/40$

All: -427.693 ± 1.077 $\chi^2/\text{NDF}: 14413.8/81$

- sign -440.645 ± 1.506 $\chi^2/\text{NDF}: 6885.5/40$

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 14.527 ± 1.702 $\chi^2/\text{NDF}: 777.7/32$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 20.400 ± 1.650 $\chi^2/\text{NDF}: 748.2/36$

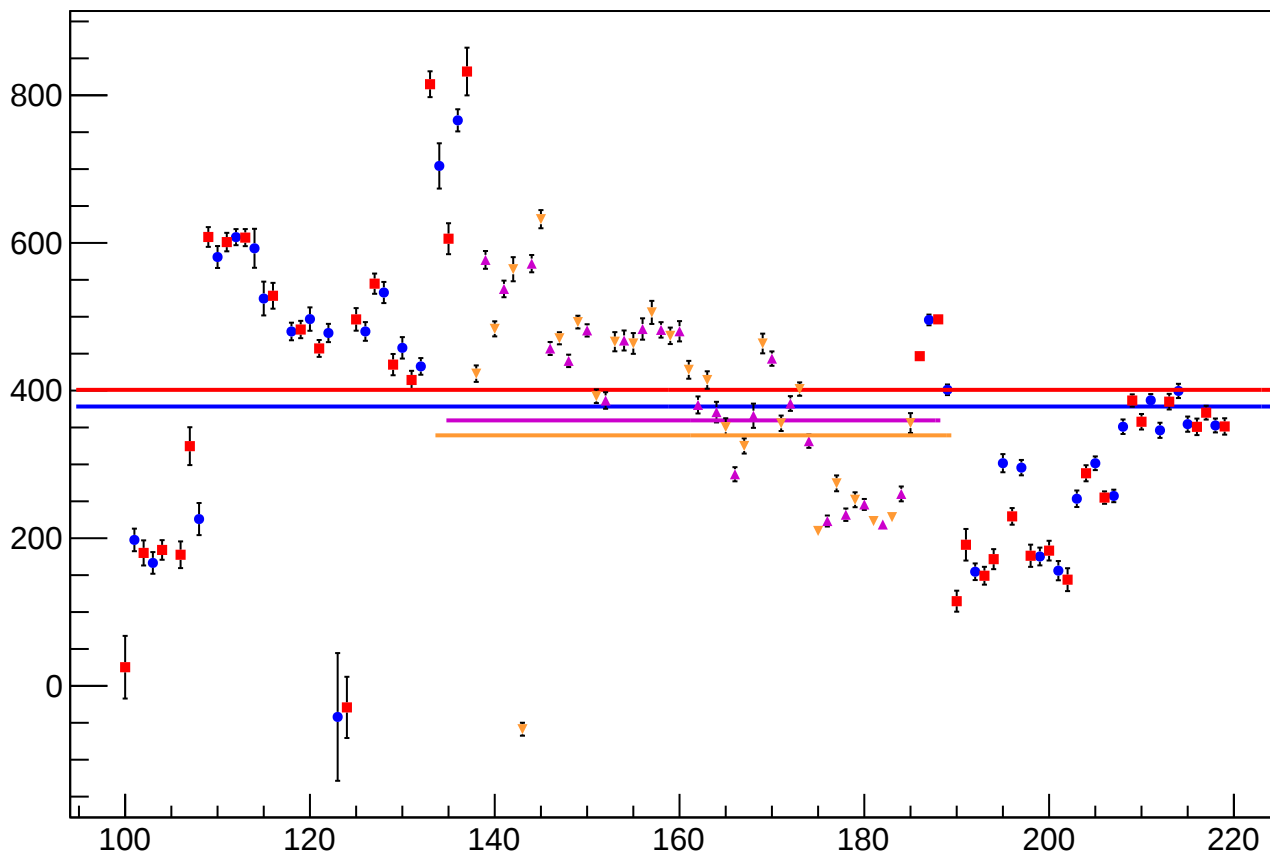
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 6.793 ± 1.127 $\chi^2/\text{NDF}: 1164.5/57$

All: 8.191 ± 0.801 $\chi^2/\text{NDF}: 2258.2/117$

- sign 9.620 ± 1.139 $\chi^2/\text{NDF}: 1090.6/59$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 378.410 $\pm$ 2.009 χ^2 /NDF: 4142.8/32

Left Out: 339.355 $\pm$ 1.963 χ^2 /NDF: 5502.5/24

Right Out: 400.980 $\pm$ 1.802 χ^2 /NDF: 6165.0/36

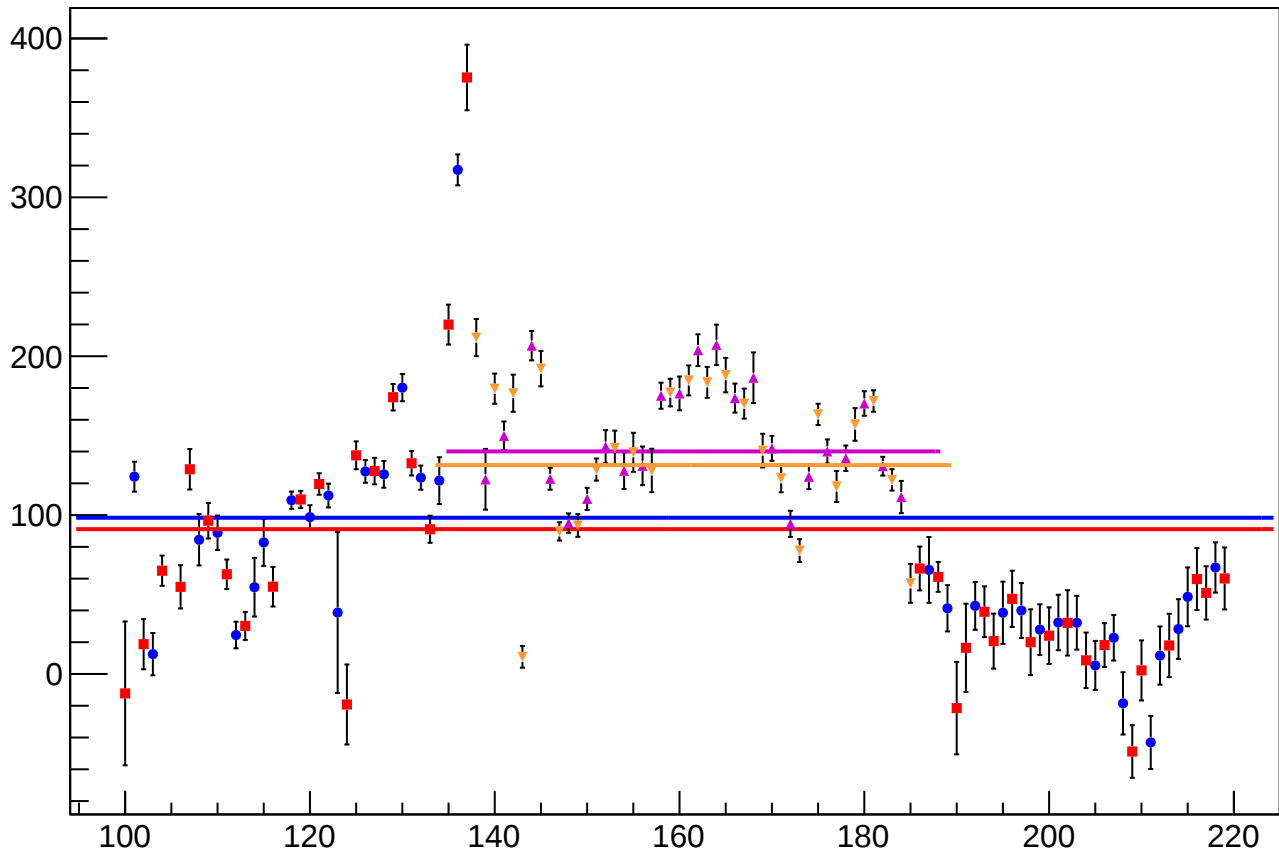
Left In: 359.609 $\pm$ 2.003 χ^2 /NDF: 3398.5/22

+ sign 358.426 $\pm$ 1.404 χ^2 /NDF: 9838.7/57

All: 371.010 $\pm$ 0.969 χ^2 /NDF: 19791.5/117

- sign 382.468 $\pm$ 1.340 χ^2 /NDF: 9799.3/59

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.336 ± 1.972 χ^2/NDF : 1102.8/32

Left Out: 131.464 ± 1.728 χ^2/NDF : 809.3/24

Right Out: 91.156 ± 1.930 χ^2/NDF : 906.3/36

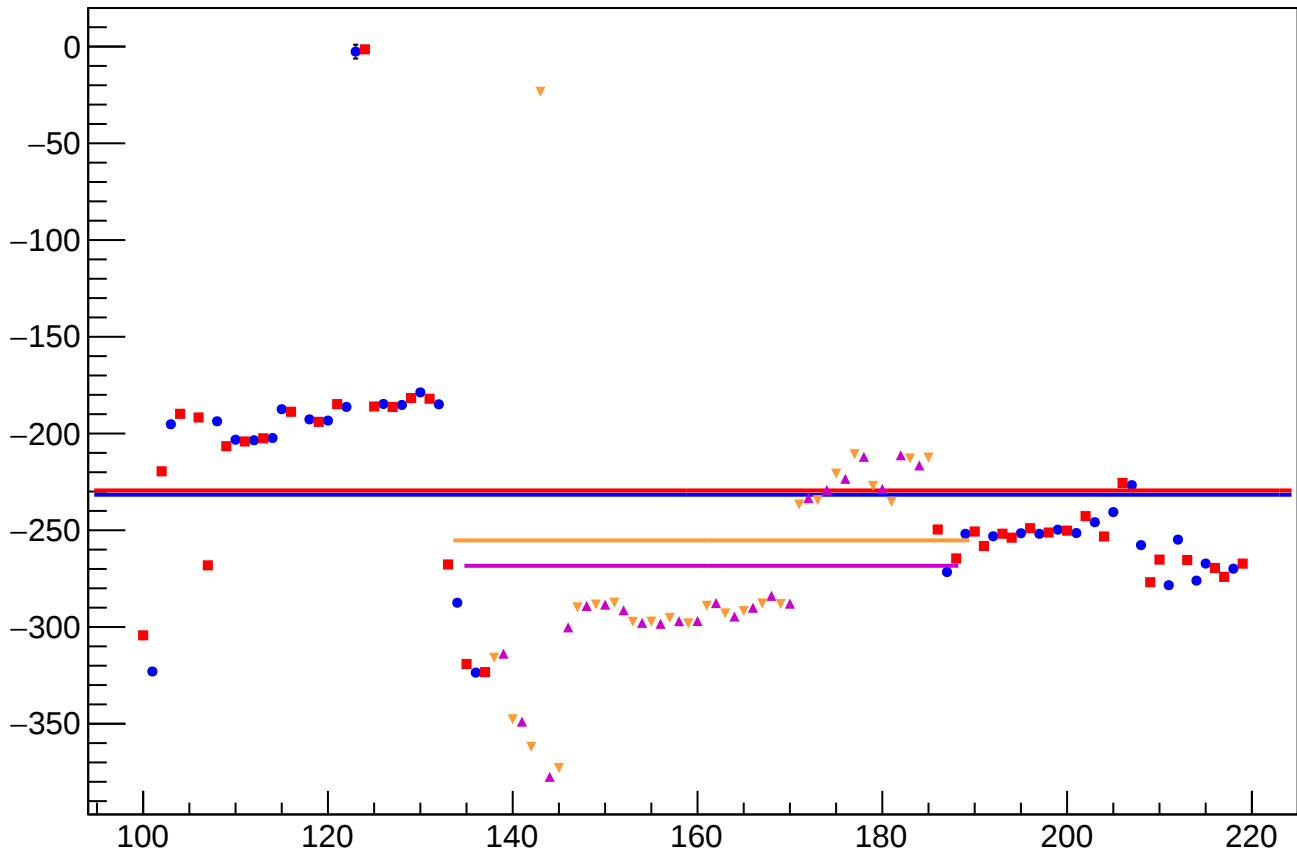
Left In: 140.069 ± 1.795 χ^2/NDF : 316.5/22

+ sign 117.082 ± 1.300 χ^2/NDF : 2071.8/57

All: 117.229 ± 0.924 χ^2/NDF : 3639.0/117

- sign 117.380 ± 1.314 χ^2/NDF : 1567.2/59

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -231.620 ± 0.105 χ^2/NDF : 178479.4/32

Left Out: -255.232 ± 0.082 χ^2/NDF : 728016.7/24

Right Out: -229.415 ± 0.100 χ^2/NDF : 161045.5/36

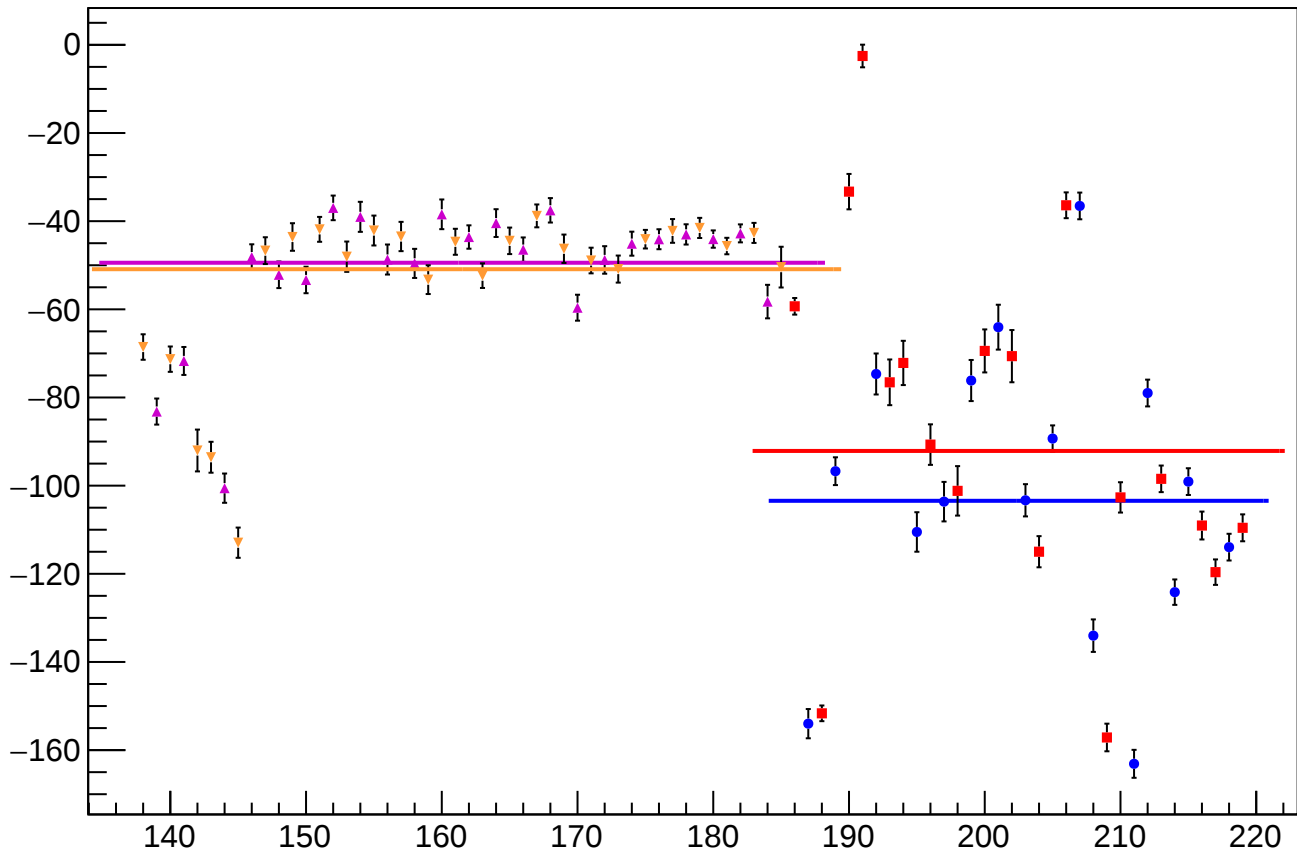
Left In: -268.353 ± 0.084 χ^2/NDF : 262479.3/22

+ sign -246.248 ± 0.065 χ^2/NDF : 938073.0/57

All: -249.308 ± 0.045 χ^2/NDF : 1455274.5/11

- sign -252.333 ± 0.064 χ^2/NDF : 512729.7/59

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -103.439 ± 0.865 $\chi^2/\text{NDF}: 1434.6/15$

Left Out: -50.897 ± 0.573 $\chi^2/\text{NDF}: 761.1/24$

Right Out: -92.126 ± 0.734 $\chi^2/\text{NDF}: 3914.8/17$

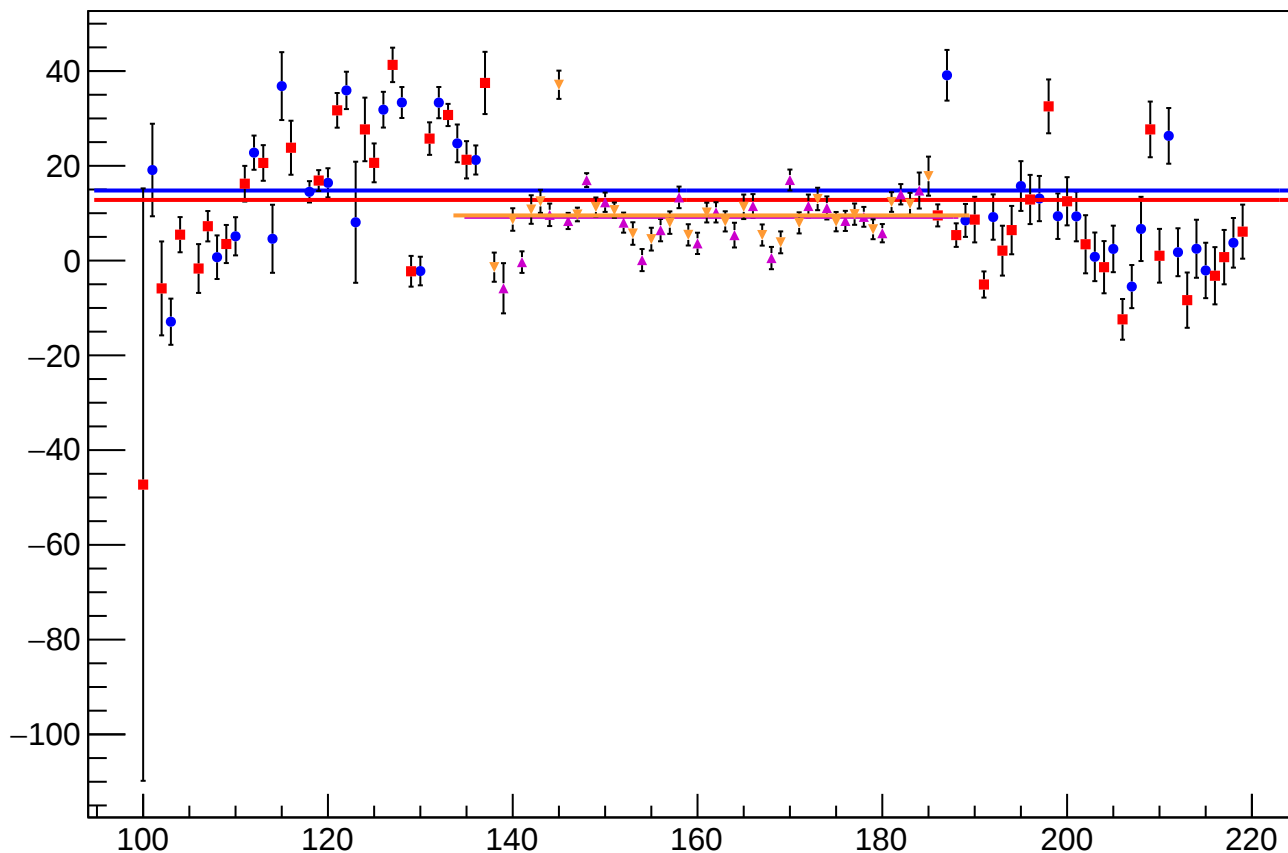
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -66.915 ± 0.478 $\chi^2/\text{NDF}: 4761.1/40$

All: -66.429 ± 0.330 $\chi^2/\text{NDF}: 11294.0/81$

- sign -65.984 ± 0.457 $\chi^2/\text{NDF}: 6530.9/40$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 14.791 ± 0.742 $\chi^2/\text{NDF}: 310.2/32$

Left Out: 9.530 ± 0.446 $\chi^2/\text{NDF}: 134.4/24$

Right Out: 12.801 ± 0.655 $\chi^2/\text{NDF}: 398.0/36$

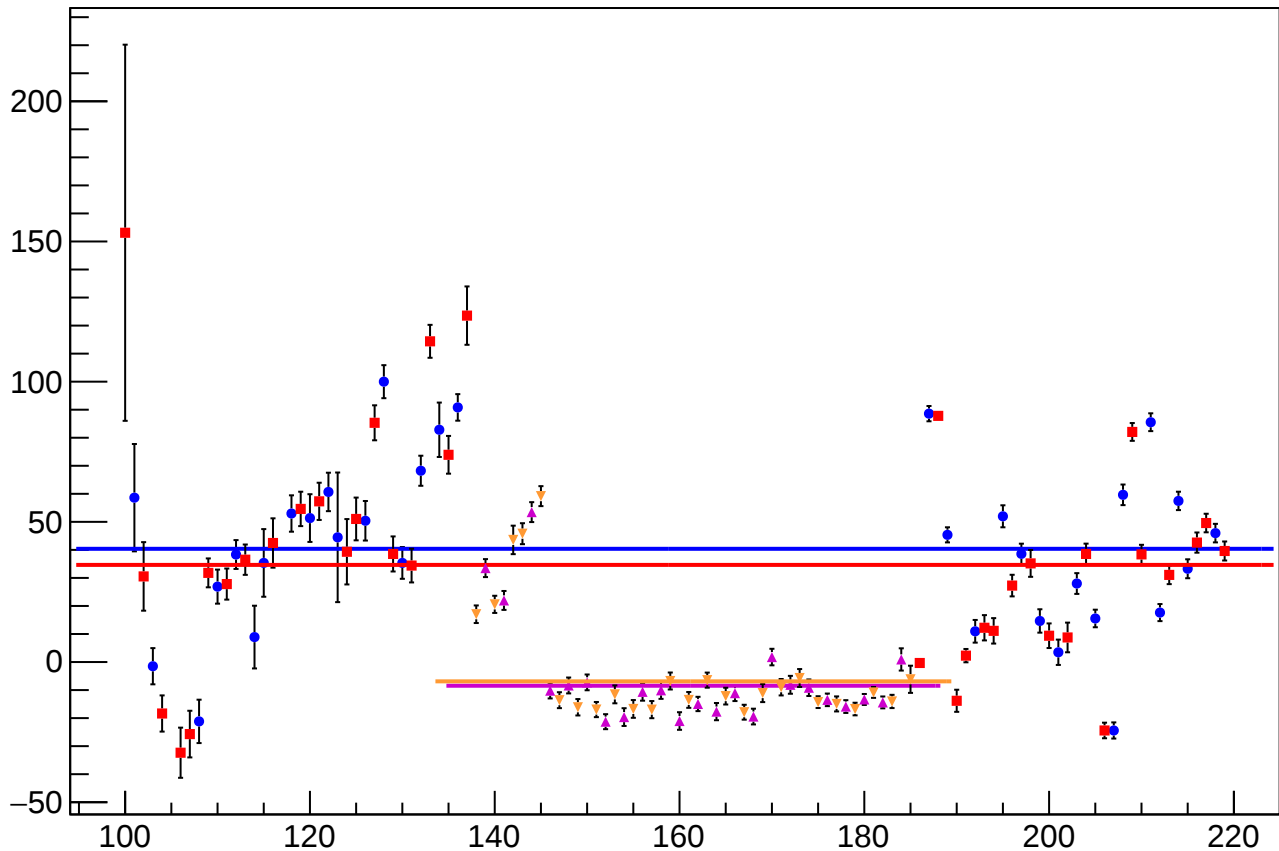
Left In: 9.231 ± 0.462 $\chi^2/\text{NDF}: 124.0/22$

+ sign 10.926 ± 0.382 $\chi^2/\text{NDF}: 481.5/57$

All: 10.668 ± 0.269 $\chi^2/\text{NDF}: 1024.2/117$

- sign 10.417 ± 0.377 $\chi^2/\text{NDF}: 541.8/59$

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 40.384+/-0.749 χ^2/NDF : 1780.7/32

Left Out: -6.888+/-0.571 χ^2/NDF : 914.2/24

Right Out: 34.645+/-0.622 χ^2/NDF : 3626.6/36

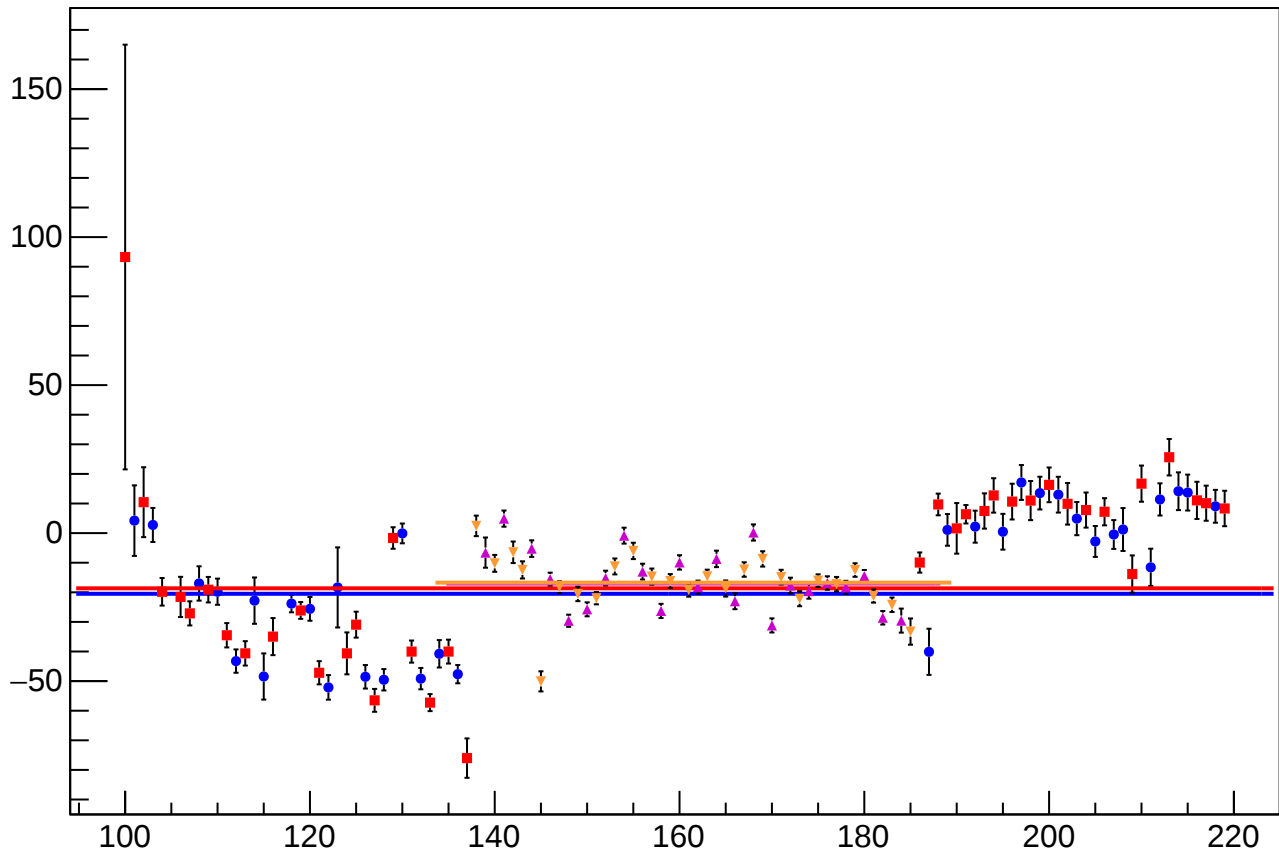
Left In: -8.451+/-0.580 χ^2/NDF : 688.9/22

+ sign 10.491+/-0.454 χ^2/NDF : 5215.0/57

All: 11.075+/-0.310 χ^2/NDF : 12101.9/117

- sign 11.584+/-0.424 χ^2/NDF : 6883.9/59

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -20.502 ± 0.848 $\chi^2/\text{NDF}: 785.2/32$

Left Out: -16.733 ± 0.507 $\chi^2/\text{NDF}: 223.3/24$

Right Out: -18.654 ± 0.770 $\chi^2/\text{NDF}: 1058.8/36$

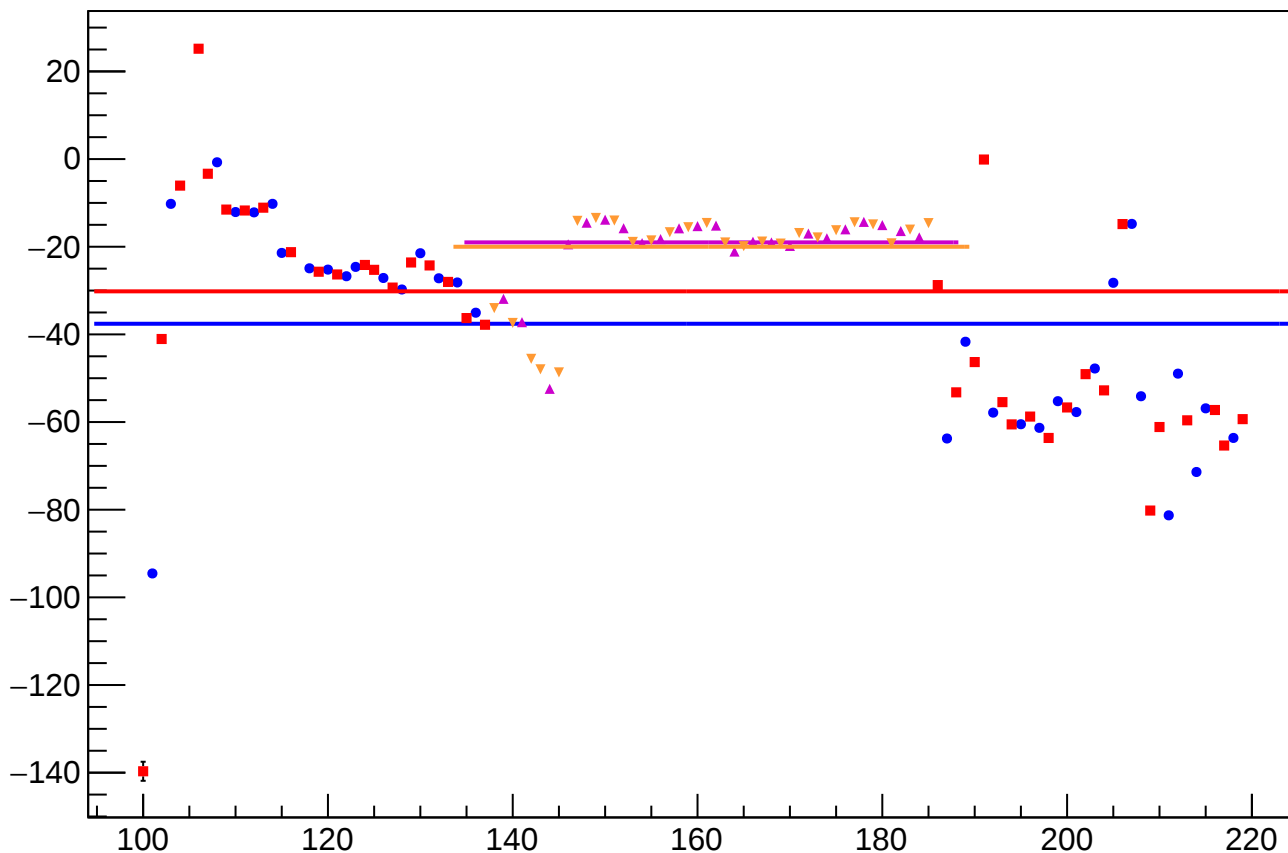
Left In: -17.023 ± 0.522 $\chi^2/\text{NDF}: 327.6/22$

+ sign -17.724 ± 0.435 $\chi^2/\text{NDF}: 1023.1/57$

All: -17.629 ± 0.307 $\chi^2/\text{NDF}: 2412.6/117$

- sign -17.536 ± 0.432 $\chi^2/\text{NDF}: 1389.5/59$

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -37.574 ± 0.040 $\chi^2/\text{NDF}: 265874.1/32$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -30.179 ± 0.036 $\chi^2/\text{NDF}: 492513.6/36$

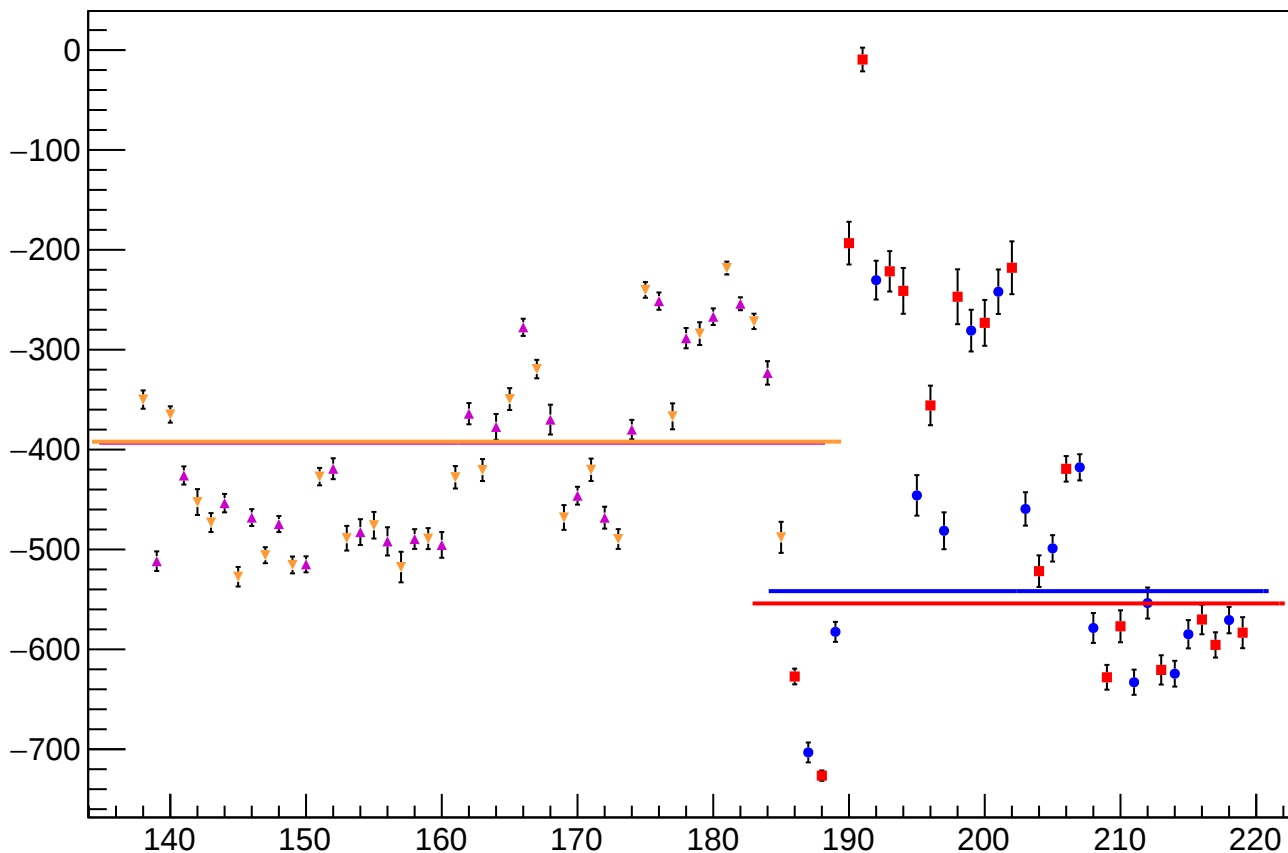
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -24.398 ± 0.020 $\chi^2/\text{NDF}: 553671.6/57$

All: -23.393 ± 0.014 $\chi^2/\text{NDF}: 1210191.8/117$

- sign -22.432 ± 0.020 $\chi^2/\text{NDF}: 651662.9/59$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -541.712 ± 3.555 χ^2/NDF : 1144.8/15

Left Out: -392.054 ± 1.967 χ^2/NDF : 2717.2/24

Right Out: -554.037 ± 2.956 χ^2/NDF : 4769.8/17

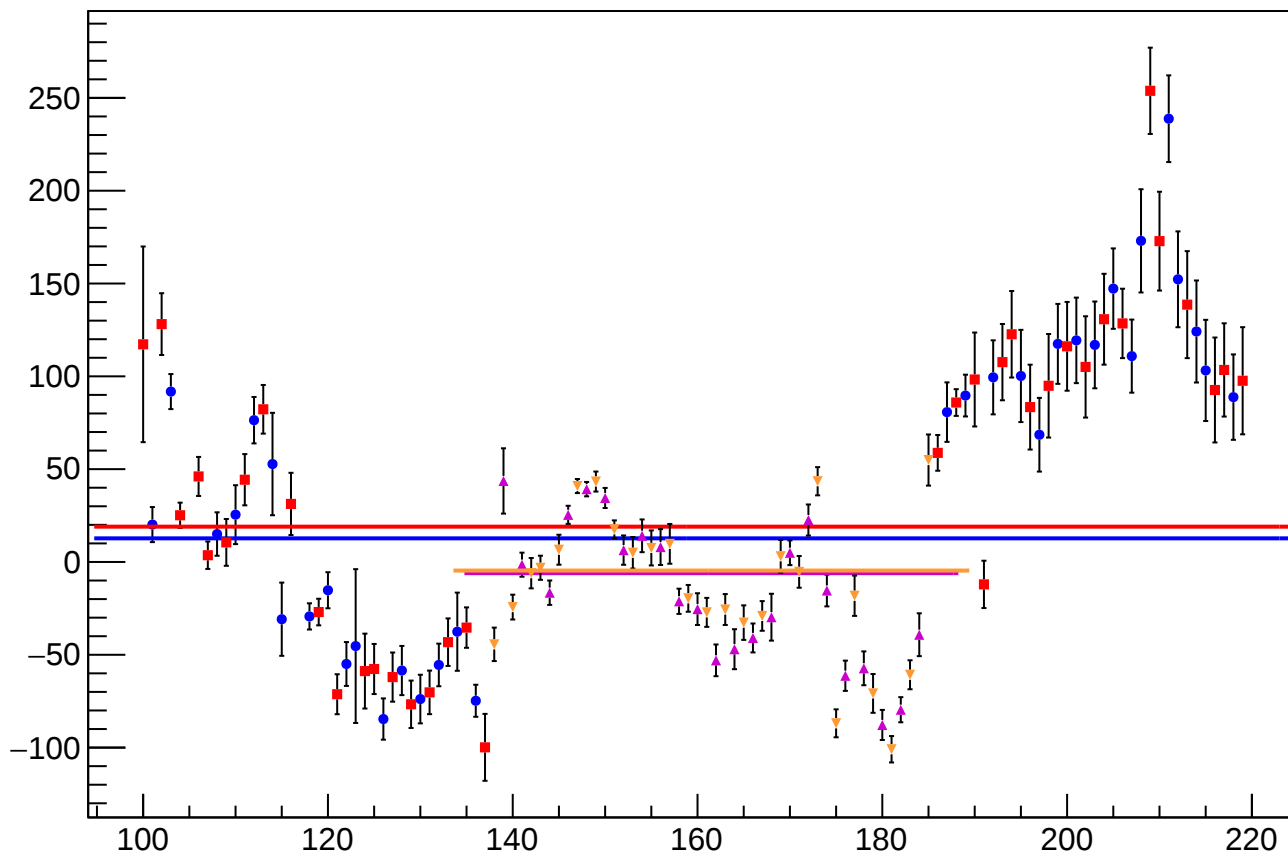
Left In: -393.113 ± 2.006 χ^2/NDF : 2253.3/22

+ sign -427.117 ± 1.721 χ^2/NDF : 5218.8/40

All: -435.783 ± 1.195 χ^2/NDF : 14320.5/81

- sign -443.843 ± 1.660 χ^2/NDF : 9052.8/40

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 12.725 $\pm$ 2.473 χ^2 /NDF: 902.8/32

Left Out: -4.624 $\pm$ 1.462 χ^2 /NDF: 772.9/24

Right Out: 19.028 $\pm$ 2.193 χ^2 /NDF: 920.5/36

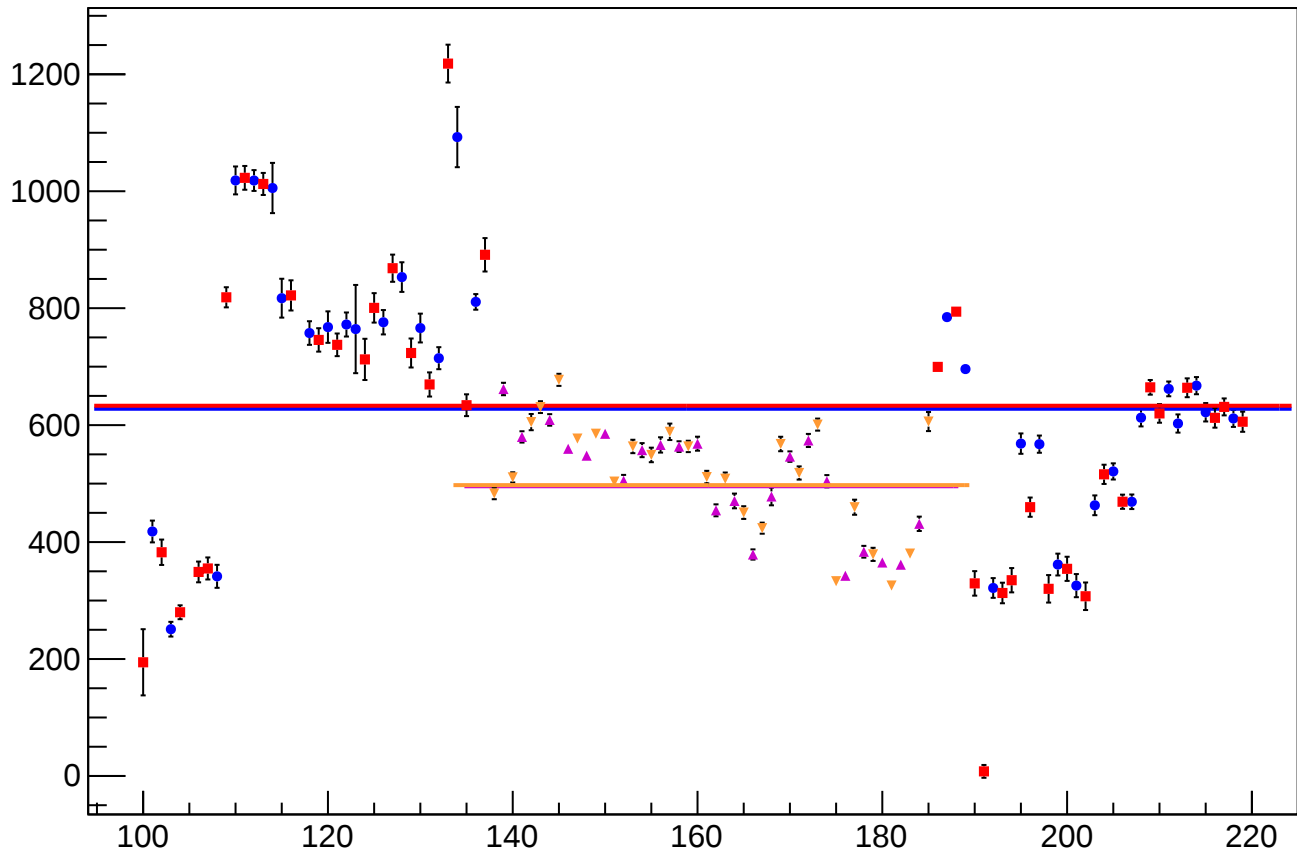
Left In: -6.019 $\pm$ 1.516 χ^2 /NDF: 654.1/22

+ sign -0.130 $\pm$ 1.259 χ^2 /NDF: 1712.2/57

All: 0.986 $\pm$ 0.886 χ^2 /NDF: 3376.5/117

- sign 2.082 $\pm$ 1.247 χ^2 /NDF: 1662.8/59

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 627.999 $\pm$ 2.789 χ^2 /NDF: 4231.7/32

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 633.154 $\pm$ 2.298 χ^2 /NDF: 9636.5/36

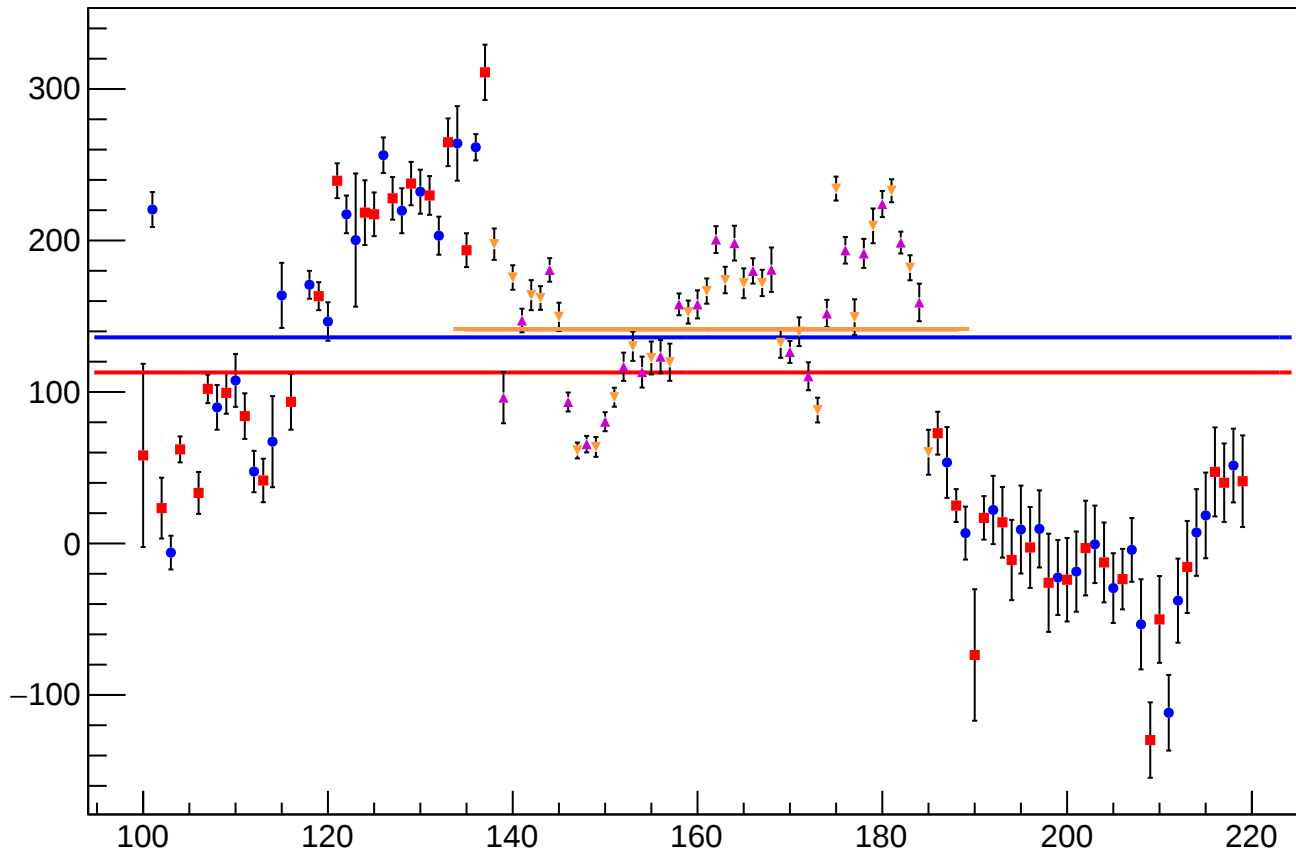
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 540.745 $\pm$ 1.607 χ^2 /NDF: 8311.8/57

All: 548.089 $\pm$ 1.099 χ^2 /NDF: 22291.3/117

- sign 554.535 $\pm$ 1.505 χ^2 /NDF: 13940.2/59

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 136.063 $\pm$ 2.867 χ^2 /NDF: 1347.2/32

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF:959.6/24

Right Out: 112.871 $\pm$ 2.615 χ^2 /NDF: 1322.9/36

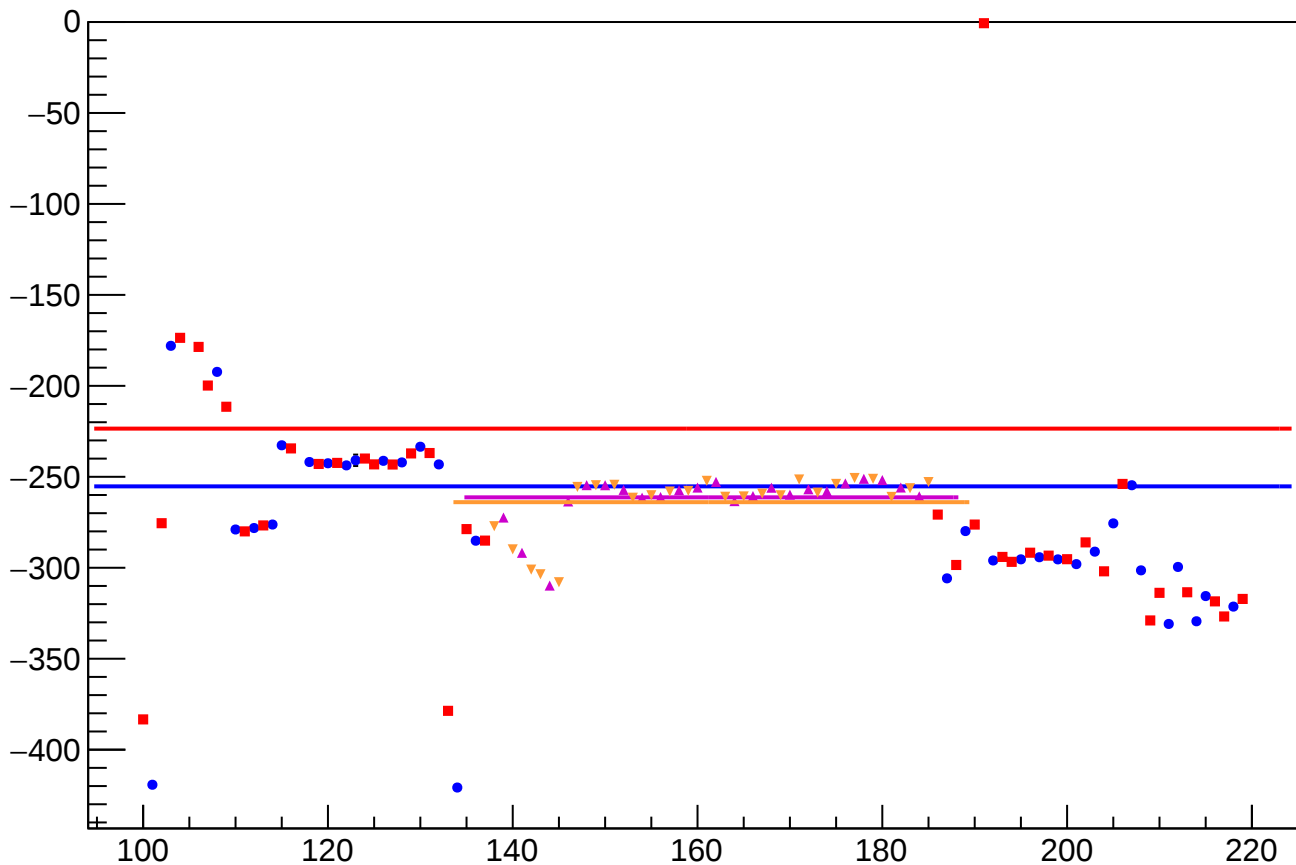
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF:741.2/22

+ sign 140.153 $\pm$ 1.461 χ^2 /NDF: 2309.5/57

All: 136.337 $\pm$ 1.030 χ^2 /NDF: 4469.2/117

- sign 132.564 $\pm$ 1.453 χ^2 /NDF: 2146.2/59

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -255.256 ± 0.134 χ^2/NDF : 209212.2/32

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -223.509 ± 0.121 χ^2/NDF : 520966.7/36

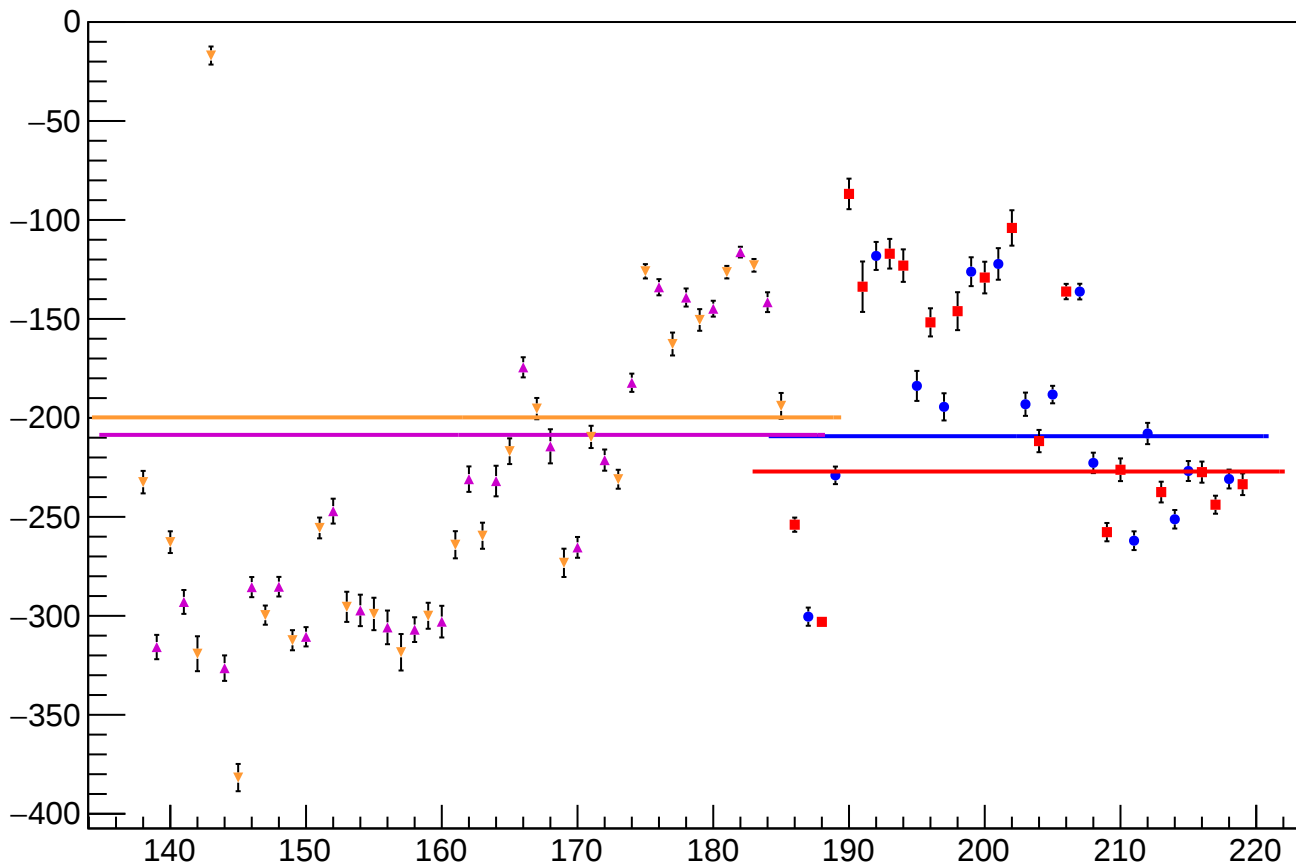
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -261.600 ± 0.069 χ^2/NDF : 251381.2/57

All: -255.320 ± 0.049 χ^2/NDF : 878855.9/117

- sign -249.336 ± 0.068 χ^2/NDF : 611498.5/59

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -209.243 ± 1.311 χ^2/NDF : 1460.5/15

Left Out: -199.741 ± 1.061 χ^2/NDF : 6361.5/24

Right Out: -227.085 ± 1.197 χ^2/NDF : 2987.2/17

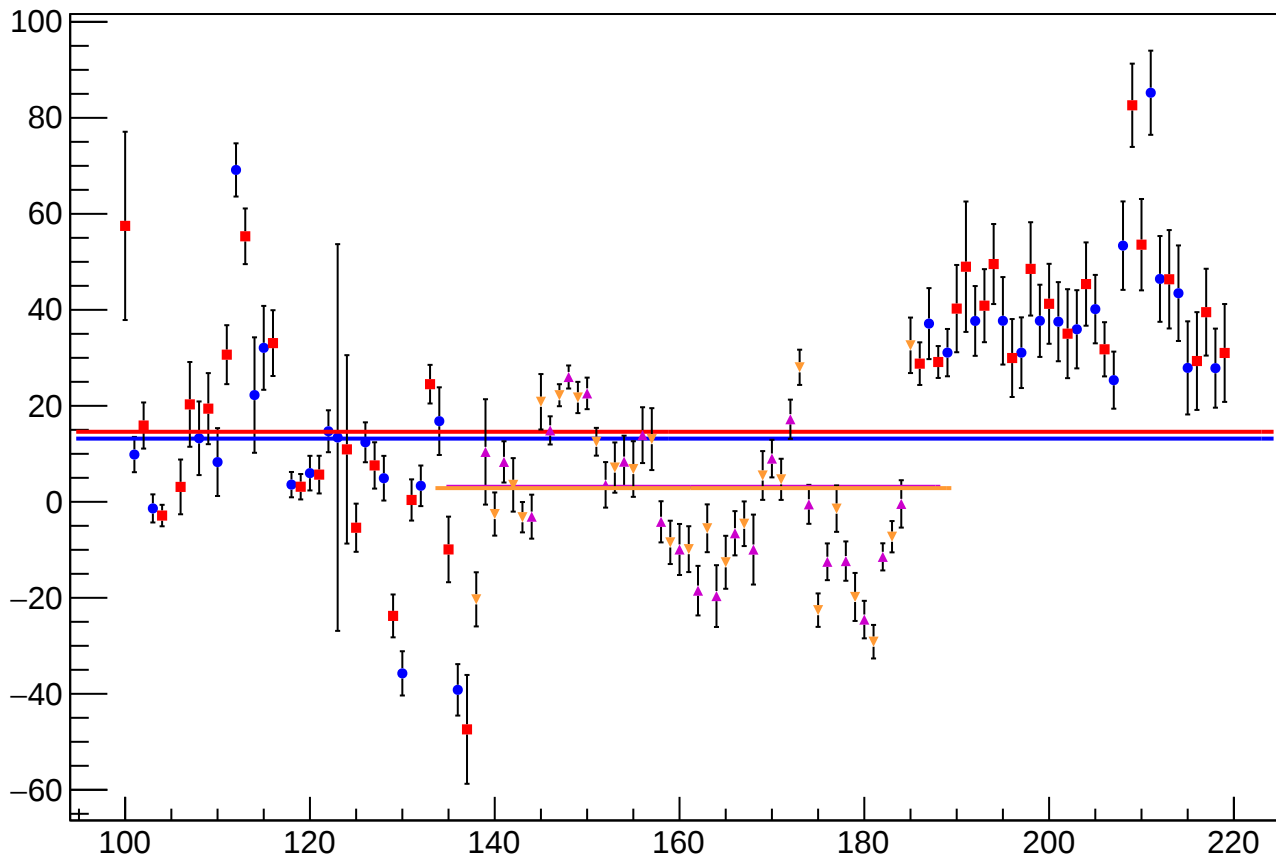
Left In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

+ sign -203.502 ± 0.825 χ^2/NDF : 7853.7/40

All: -210.387 ± 0.575 χ^2/NDF : 15913.3/81

- sign -216.907 ± 0.803 χ^2/NDF : 7923.9/40

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 13.169 $\pm$ 0.957 χ^2 /NDF: 576.5/32

Left Out: 2.853 $\pm$ 0.820 χ^2 /NDF: 419.8/24

Right Out: 14.595 $\pm$ 0.903 χ^2 /NDF: 535.7/36

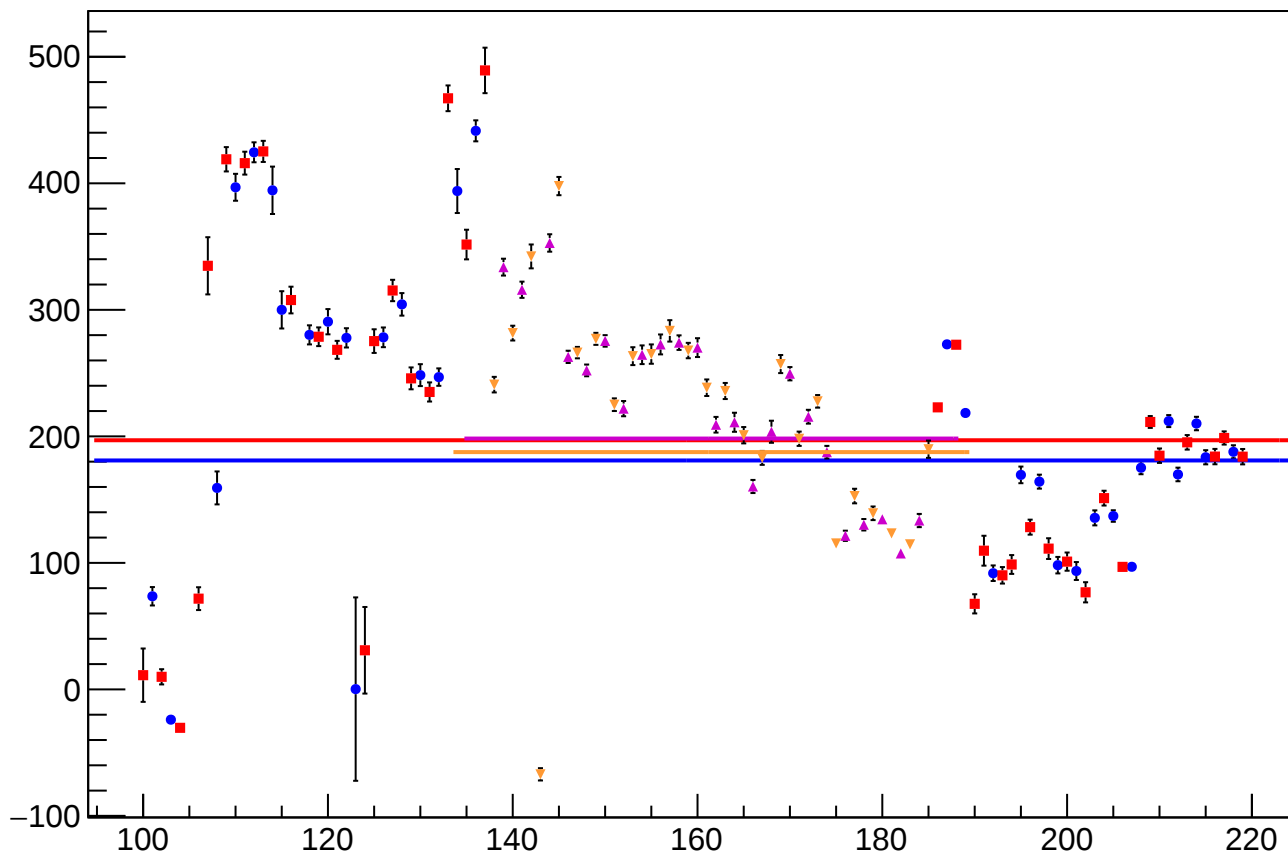
Left In: 3.136 $\pm$ 0.857 χ^2 /NDF: 319.8/22

+ sign 7.222 $\pm$ 0.623 χ^2 /NDF: 1063.3/57

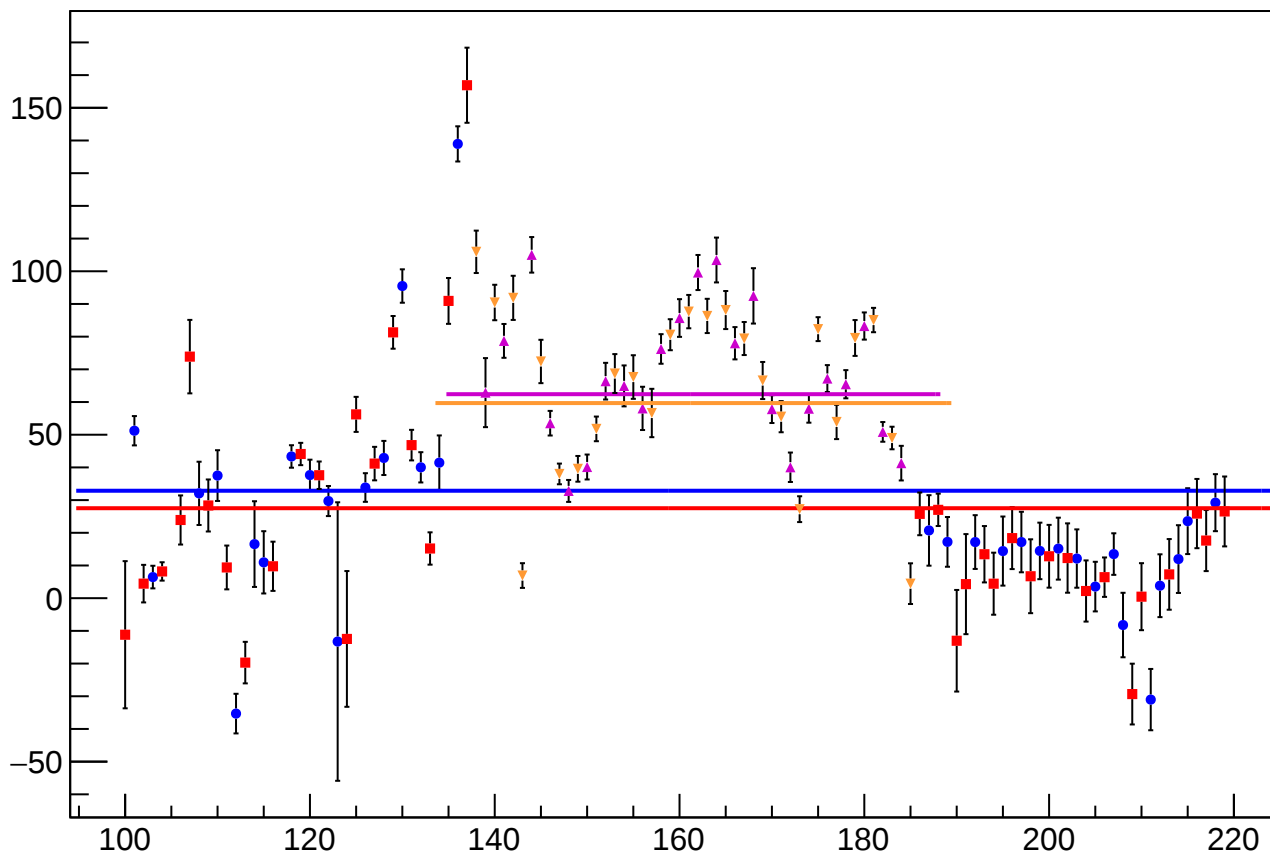
All: 7.893 $\pm$ 0.440 χ^2 /NDF: 2005.9/117

- sign 8.562 $\pm$ 0.622 χ^2 /NDF: 940.2/59

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 32.865 ± 1.111 χ^2/NDF : 897.3/32

Left Out: 59.682 ± 0.941 χ^2/NDF : 757.6/24

Right Out: 27.520 ± 1.071 χ^2/NDF : 663.3/36

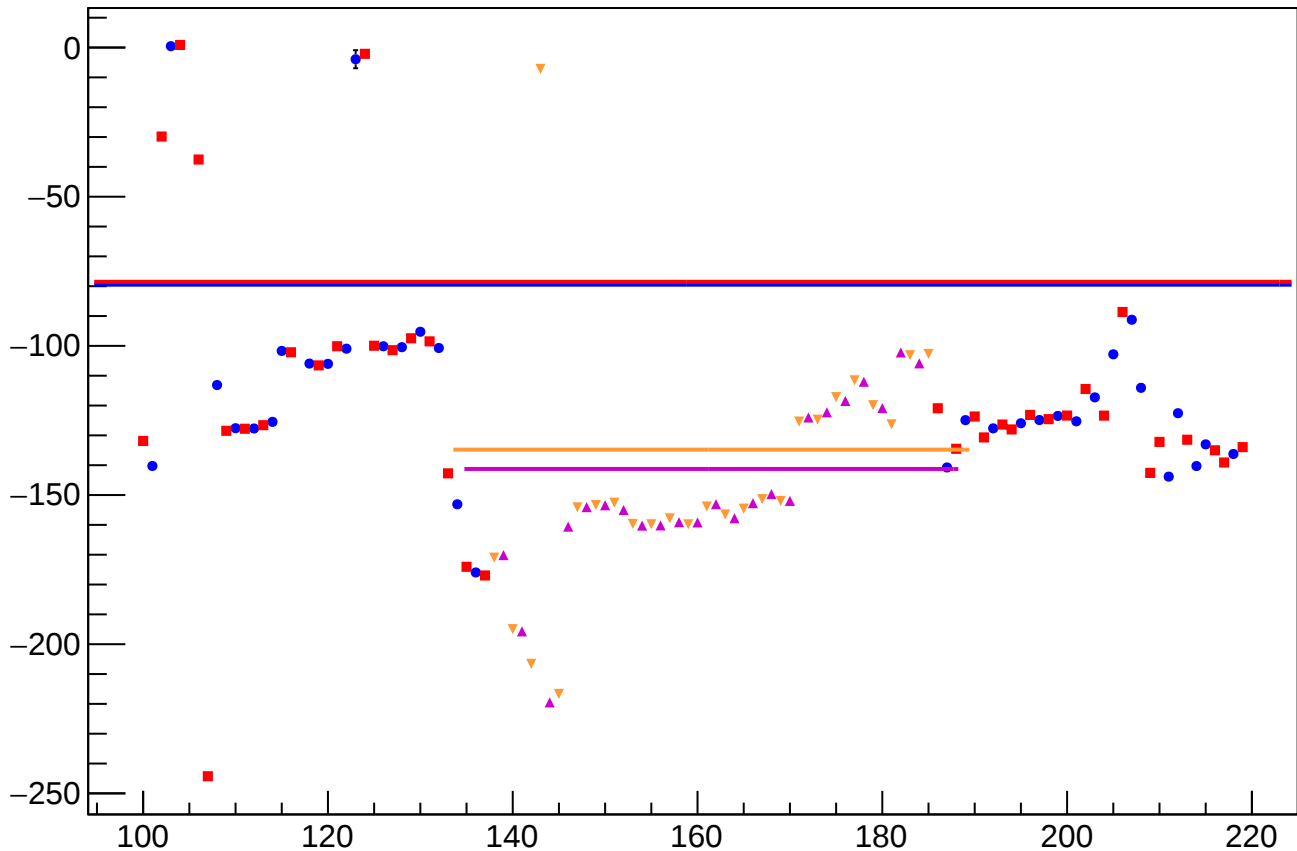
Left In: 62.400 ± 0.974 χ^2/NDF : 406.3/22

+ sign 48.483 ± 0.718 χ^2/NDF : 1994.3/57

All: 47.552 ± 0.509 χ^2/NDF : 3647.5/117

- sign 46.614 ± 0.721 χ^2/NDF : 1649.9/59

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -79.486 ± 0.050 $\chi^2/\text{NDF}: 1482868.5/32$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -78.518 ± 0.049 $\chi^2/\text{NDF}: 1471912.0/36$

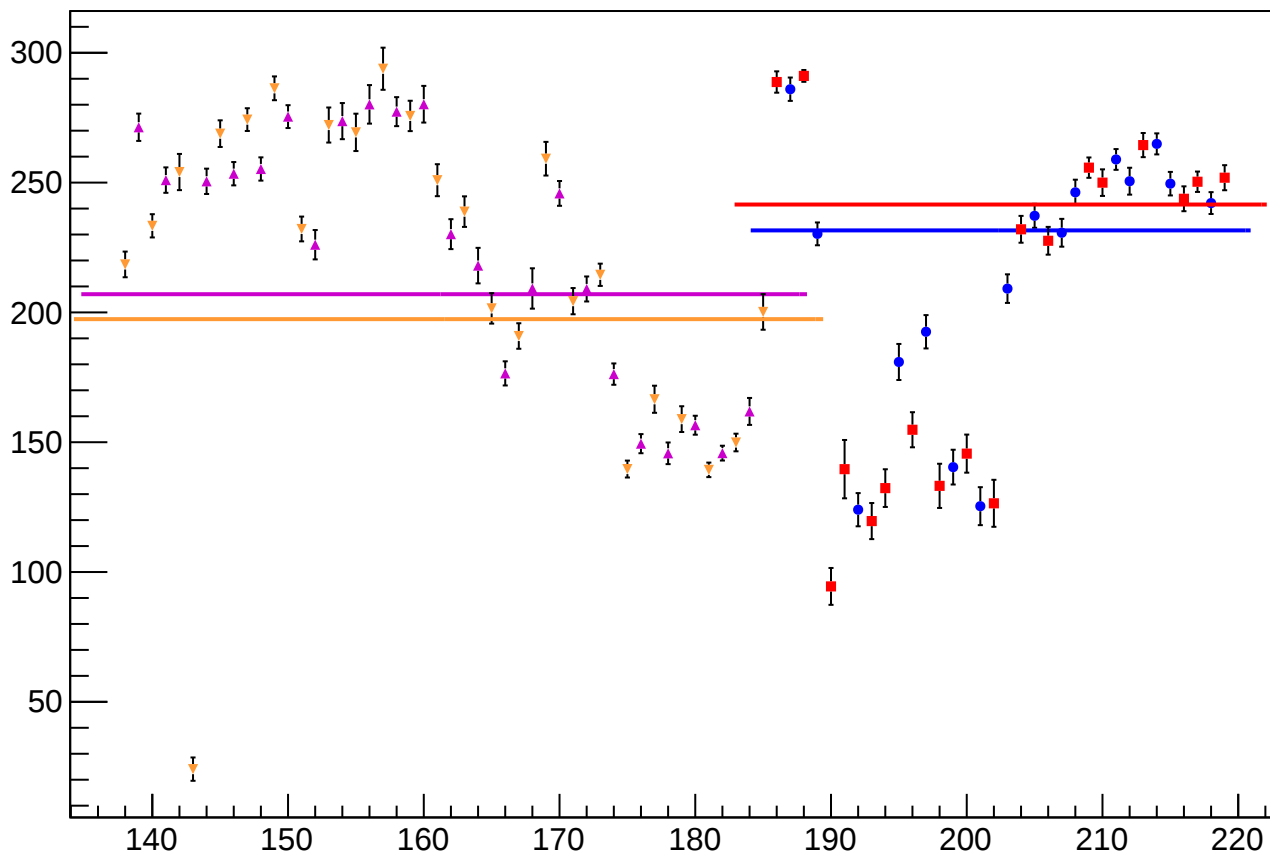
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -110.314 ± 0.033 $\chi^2/\text{NDF}: 2970691.4/57$

All: -111.187 ± 0.023 $\chi^2/\text{NDF}: 5684330.9/11$

- sign -112.054 ± 0.033 $\chi^2/\text{NDF}: 2712263.7/59$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 231.587 $\pm$ 1.255 χ^2/NDF : 1092.8/15

Left Out: 197.408 $\pm$ 0.963 χ^2/NDF : 4384.2/24

Right Out: 241.555 $\pm$ 1.148 χ^2/NDF : 2369.1/17

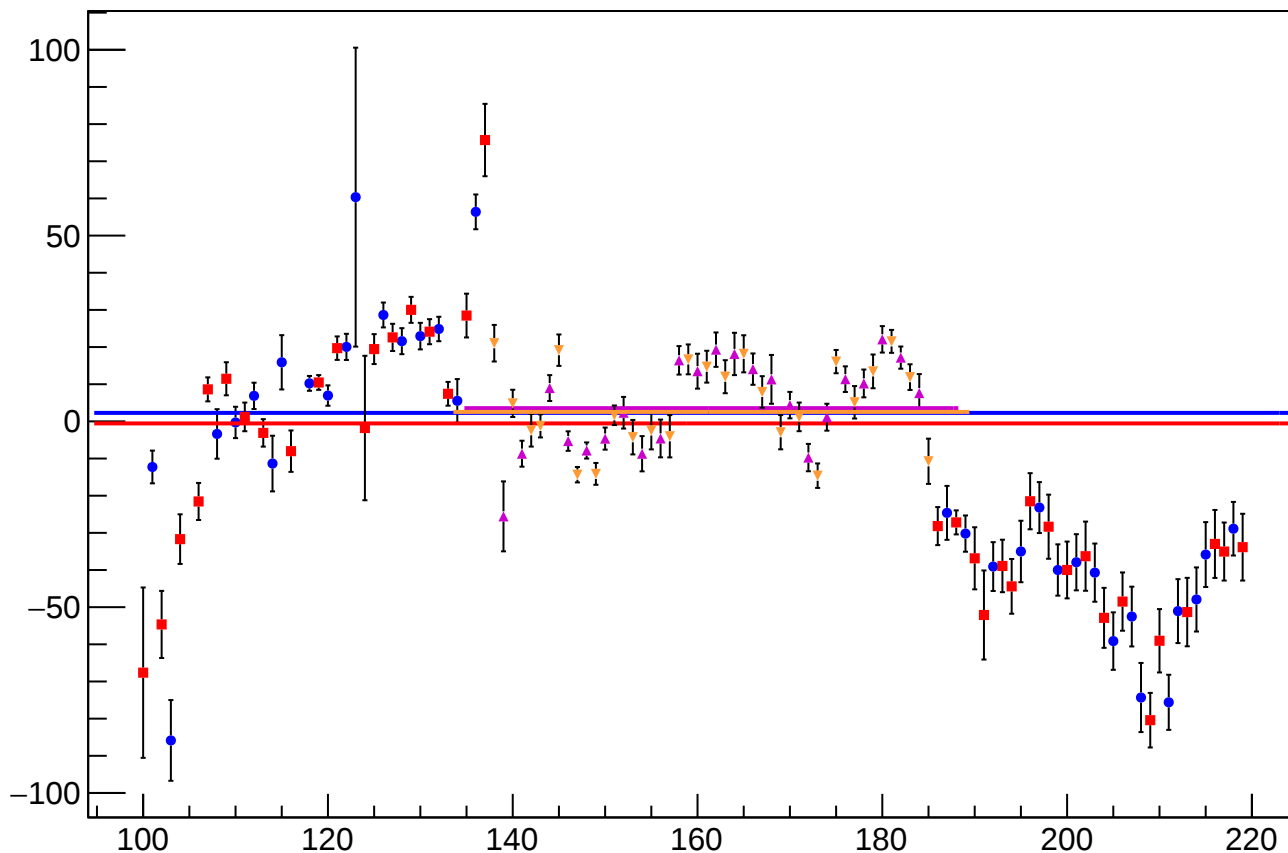
Left In: 207.014 $\pm$ 0.990 χ^2/NDF : 2611.5/22

+ sign 210.069 $\pm$ 0.764 χ^2/NDF : 5943.8/40

All: 216.020 $\pm$ 0.535 χ^2/NDF : 11562.6/81

- sign 221.752 $\pm$ 0.750 χ^2/NDF : 5499.7/40

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 2.288 ± 0.836 $\chi^2/\text{NDF}: 1064.9/32$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: -0.548 ± 0.799 $\chi^2/\text{NDF}: 1039.7/36$

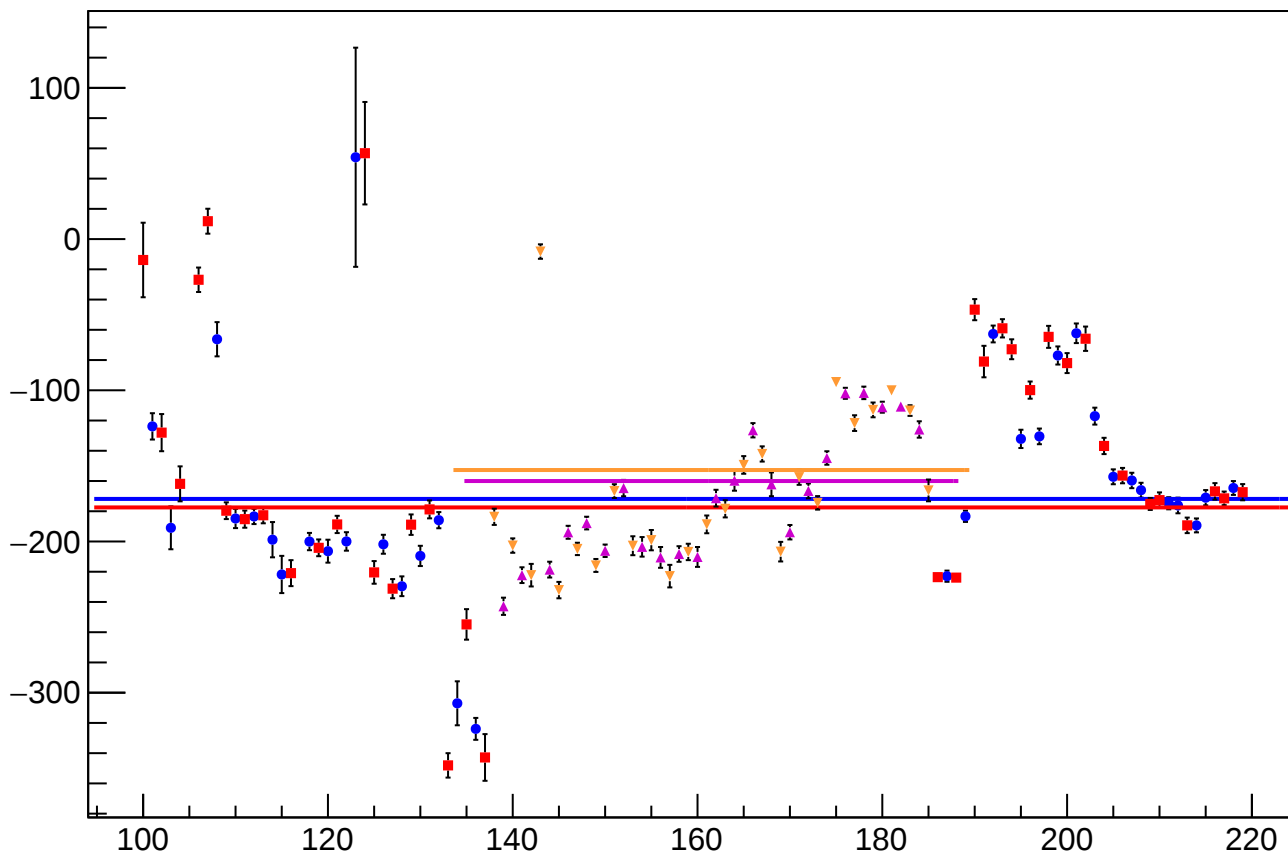
Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

+ sign 2.433 ± 0.554 $\chi^2/\text{NDF}: 1340.4/57$

All: 2.004 ± 0.393 $\chi^2/\text{NDF}: 2586.9/117$

- sign 1.572 ± 0.556 $\chi^2/\text{NDF}: 1245.3/59$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -171.844 ± 1.005 χ^2/NDF : 2250.9/32

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -177.470 ± 0.900 χ^2/NDF : 4594.8/36

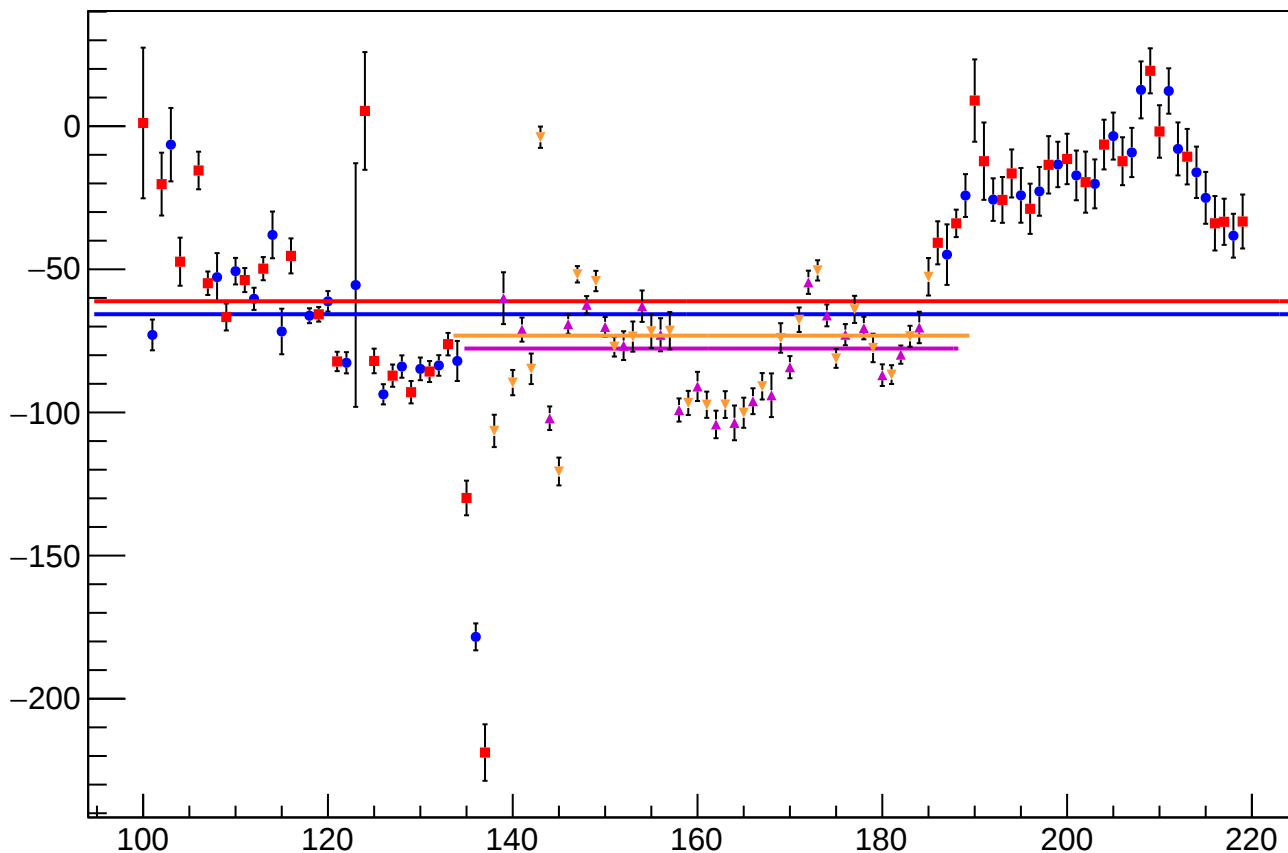
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -161.923 ± 0.697 χ^2/NDF : 5516.4/57

All: -165.915 ± 0.481 χ^2/NDF : 12368.6/117

- sign -169.560 ± 0.666 χ^2/NDF : 6789.4/59

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -65.688 $\pm$ 0.966 χ^2/NDF : 1358.5/32

Left Out: -73.165 $\pm$ 0.851 χ^2/NDF : 788.6/24

Right Out: -61.159 $\pm$ 0.932 χ^2/NDF : 1205.5/36

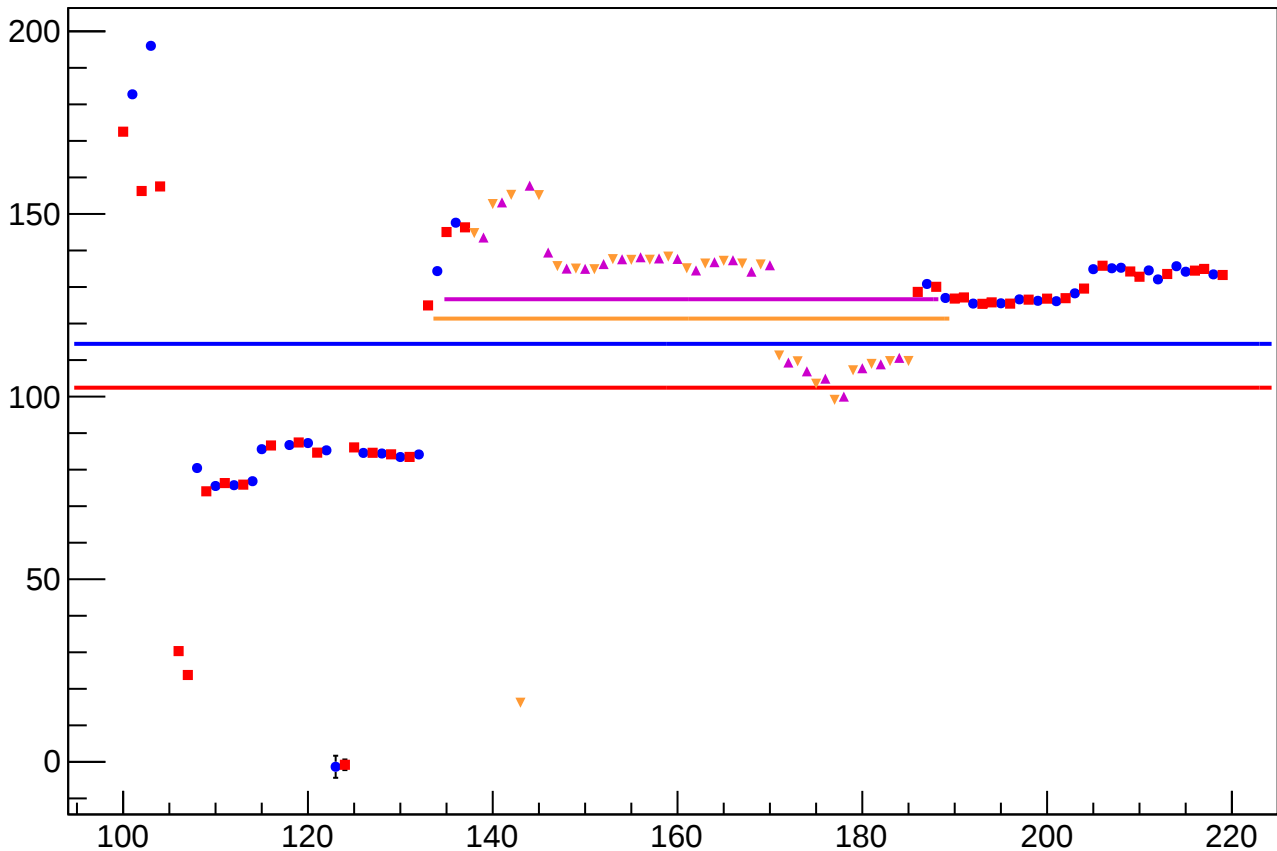
Left In: -77.678 $\pm$ 0.883 χ^2/NDF : 248.3/22

+ sign -69.897 $\pm$ 0.639 χ^2/NDF : 2180.8/57

All: -69.883 $\pm$ 0.452 χ^2/NDF : 3800.1/117

- sign -69.869 $\pm$ 0.641 χ^2/NDF : 1619.3/59

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 114.440 $\pm$ 0.054 χ^2 /NDF: 330156.0/32

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 102.440 $\pm$ 0.050 χ^2 /NDF: 610956.5/36

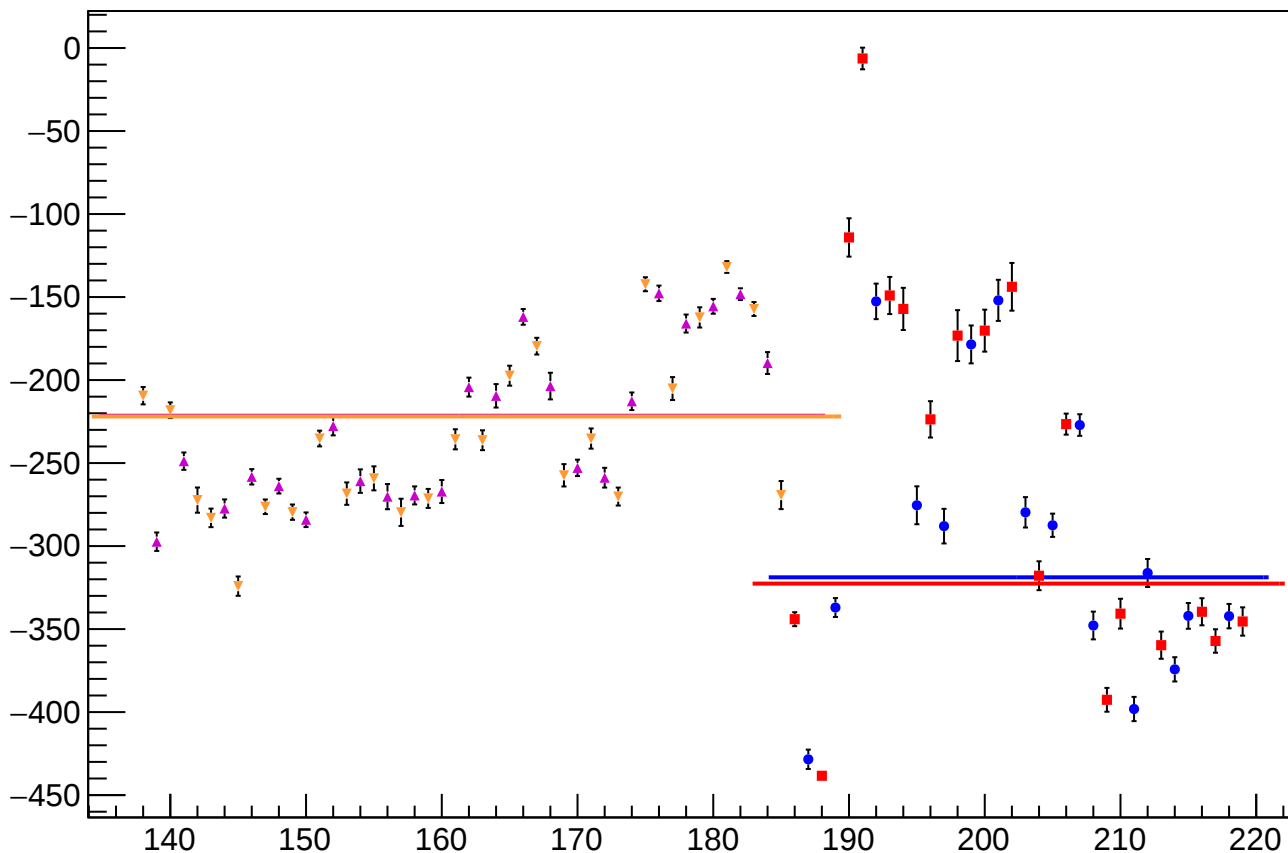
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.865 $\pm$ 0.032 χ^2 /NDF: 822739.3/57

All: 117.804 $\pm$ 0.023 χ^2 /NDF: 1740502.7/117

- sign 116.783 $\pm$ 0.032 χ^2 /NDF: 915638.4/59

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -318.819 ± 1.973 $\chi^2/\text{NDF}: 1404.2/15$

Left Out: -221.934 ± 1.084 $\chi^2/\text{NDF}: 2578.4/24$

Right Out: -322.604 ± 1.649 $\chi^2/\text{NDF}: 5432.1/17$

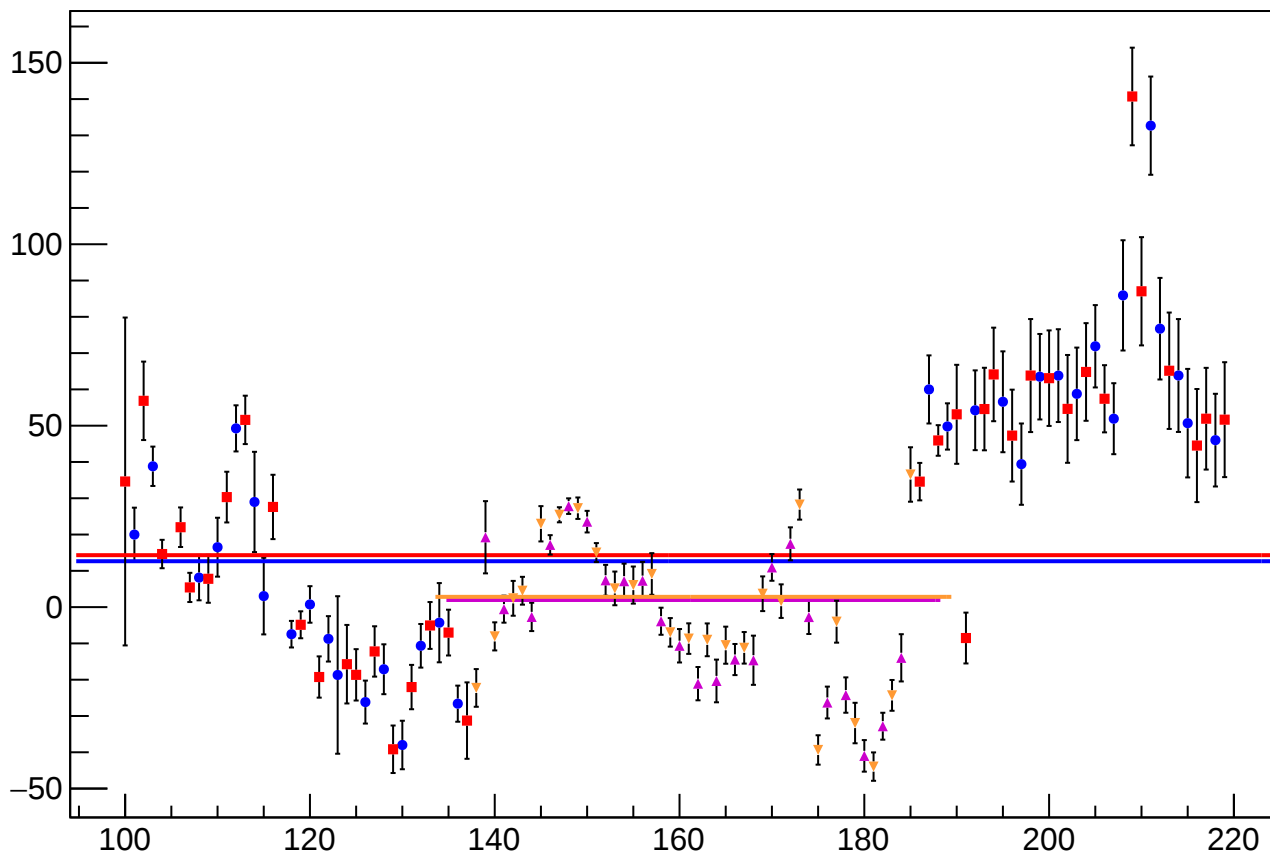
Left In: -221.483 ± 1.102 $\chi^2/\text{NDF}: 2149.8/22$

+ sign -244.420 ± 0.950 $\chi^2/\text{NDF}: 5835.1/40$

All: -248.710 ± 0.660 $\chi^2/\text{NDF}: 16054.6/81$

- sign -252.699 ± 0.916 $\chi^2/\text{NDF}: 10180.2/40$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 12.651 ± 1.352 $\chi^2/\text{NDF}: 636.2/32$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 14.315 ± 1.189 $\chi^2/\text{NDF}: 639.4/36$

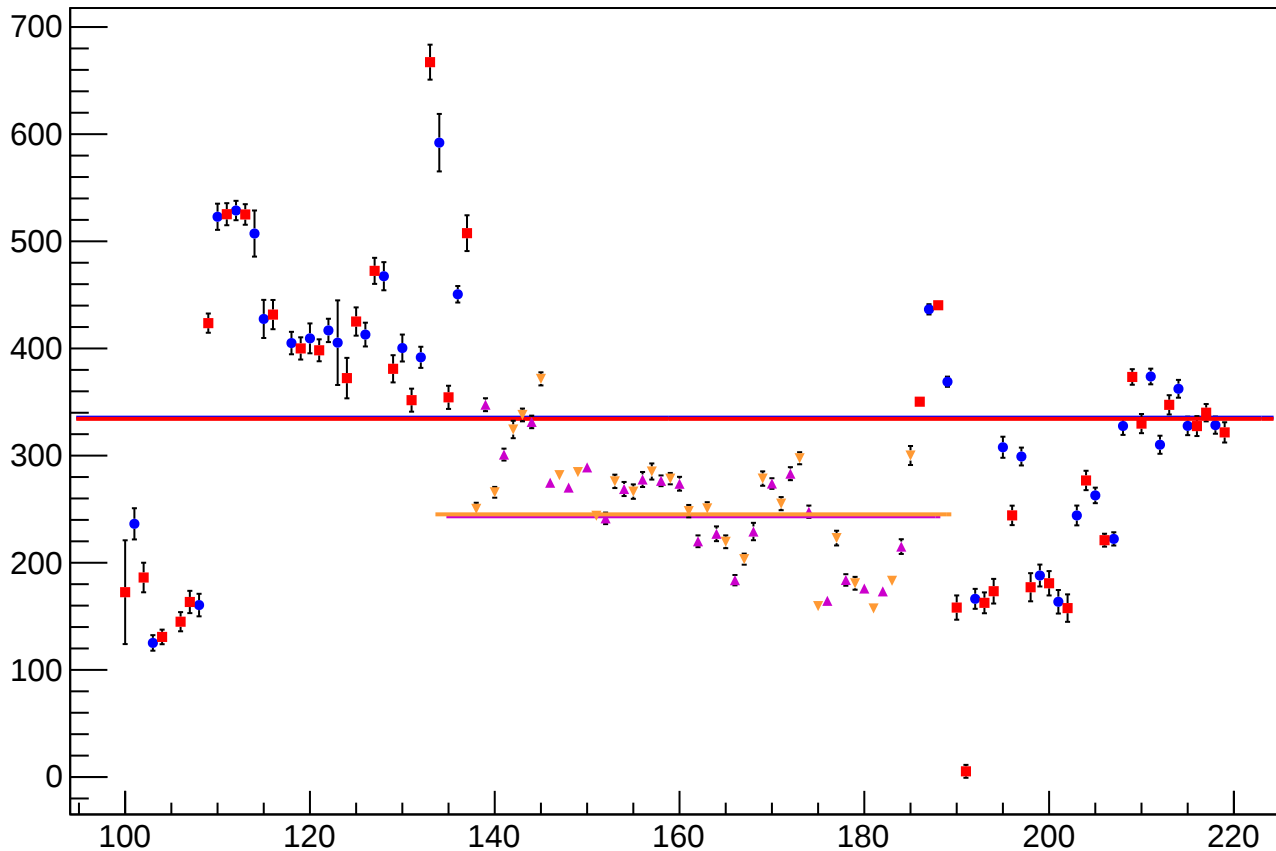
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 5.410 ± 0.693 $\chi^2/\text{NDF}: 1362.0/57$

All: 5.733 ± 0.487 $\chi^2/\text{NDF}: 2663.2/117$

- sign 6.047 ± 0.683 $\chi^2/\text{NDF}: 1300.7/59$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 335.418 ± 1.546 $\chi^2/\text{NDF}: 4486.2/32$

Left Out: 245.179 ± 1.082 $\chi^2/\text{NDF}: 2597.4/24$

Right Out: 334.309 ± 1.275 $\chi^2/\text{NDF}: 10102.4/36$

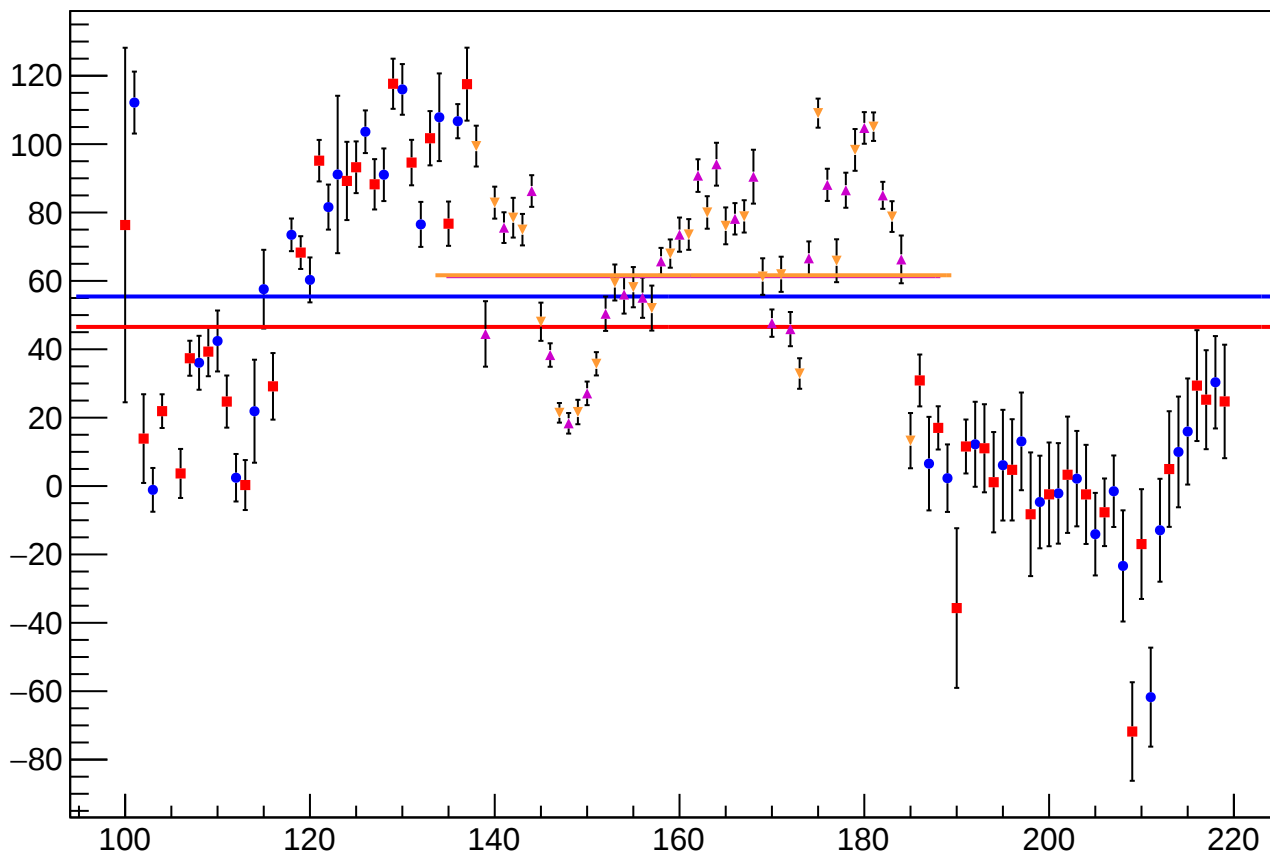
Left In: 243.366 ± 1.094 $\chi^2/\text{NDF}: 2236.7/22$

+ sign 274.854 ± 0.886 $\chi^2/\text{NDF}: 9370.8/57$

All: 278.625 ± 0.606 $\chi^2/\text{NDF}: 24676.3/117$

- sign 281.932 ± 0.830 $\chi^2/\text{NDF}: 15271.5/59$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 55.439 ± 1.565 $\chi^2/\text{NDF}: 813.4/32$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 46.541 ± 1.413 $\chi^2/\text{NDF}: 797.4/36$

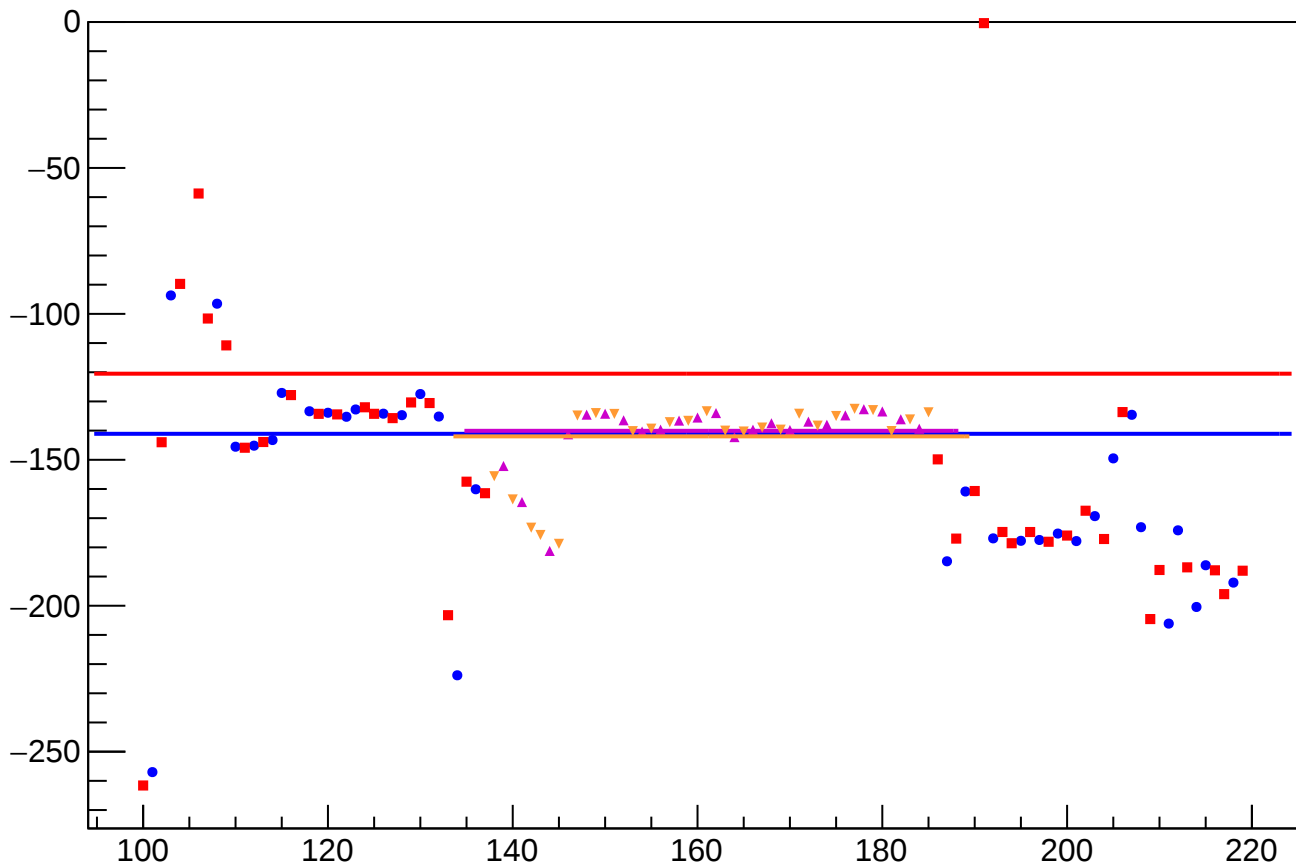
Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

+ sign 60.011 ± 0.803 $\chi^2/\text{NDF}: 1696.6/57$

All: 58.330 ± 0.565 $\chi^2/\text{NDF}: 3277.7/117$

- sign 56.685 ± 0.795 $\chi^2/\text{NDF}: 1572.4/59$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.093 ± 0.074 χ^2/NDF : 260698.9/32

Left Out: -141.969 ± 0.045 χ^2/NDF : 80252.6/24

Right Out: -120.496 ± 0.066 χ^2/NDF : 658464.4/36

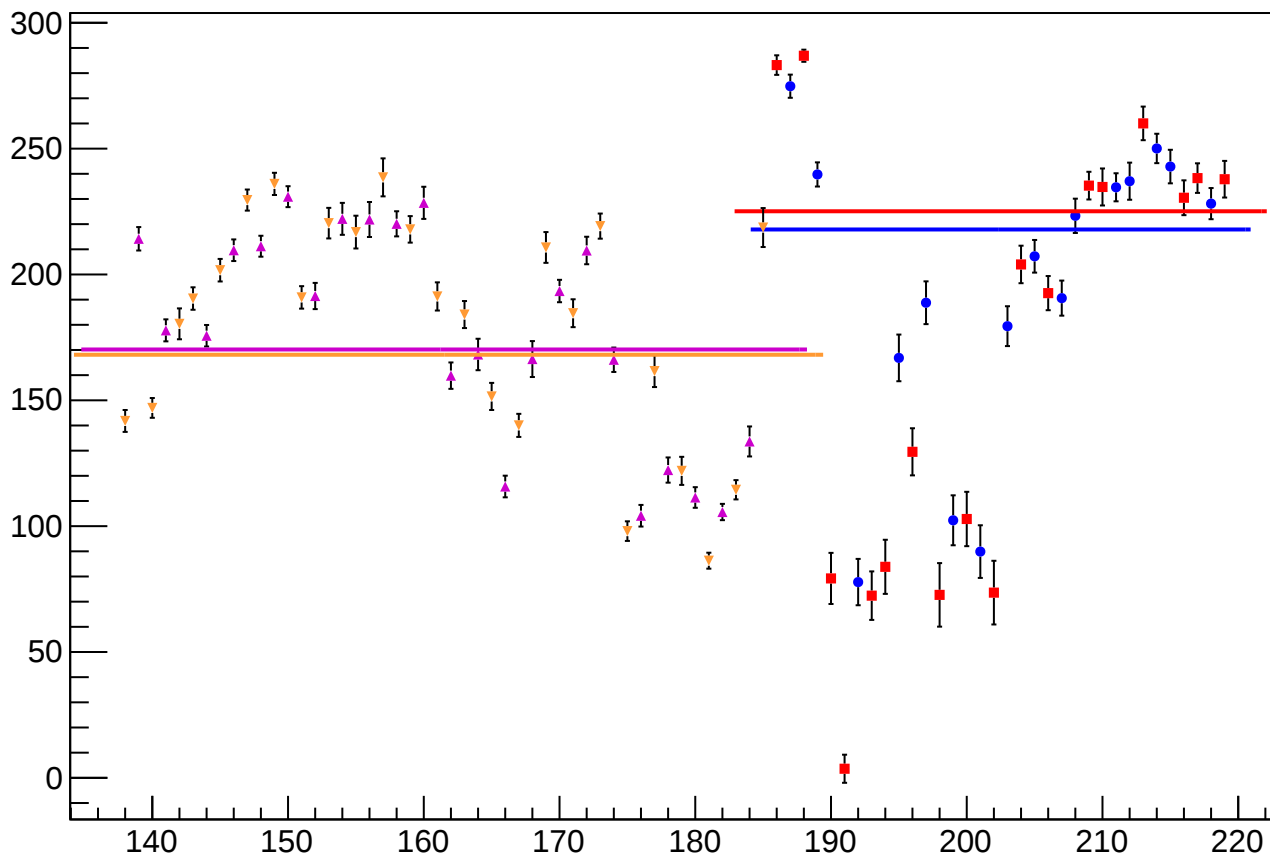
Left In: -140.068 ± 0.045 χ^2/NDF : 48030.7/22

+ sign -141.736 ± 0.038 χ^2/NDF : 341053.8/57

All: -137.690 ± 0.027 χ^2/NDF : 1129144.1/11

- sign -133.871 ± 0.037 χ^2/NDF : 766386.6/59

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 217.879 ± 1.672 $\chi^2/\text{NDF}: 837.9/15$

Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$

Right Out: 225.114 ± 1.394 $\chi^2/\text{NDF}: 3678.3/17$

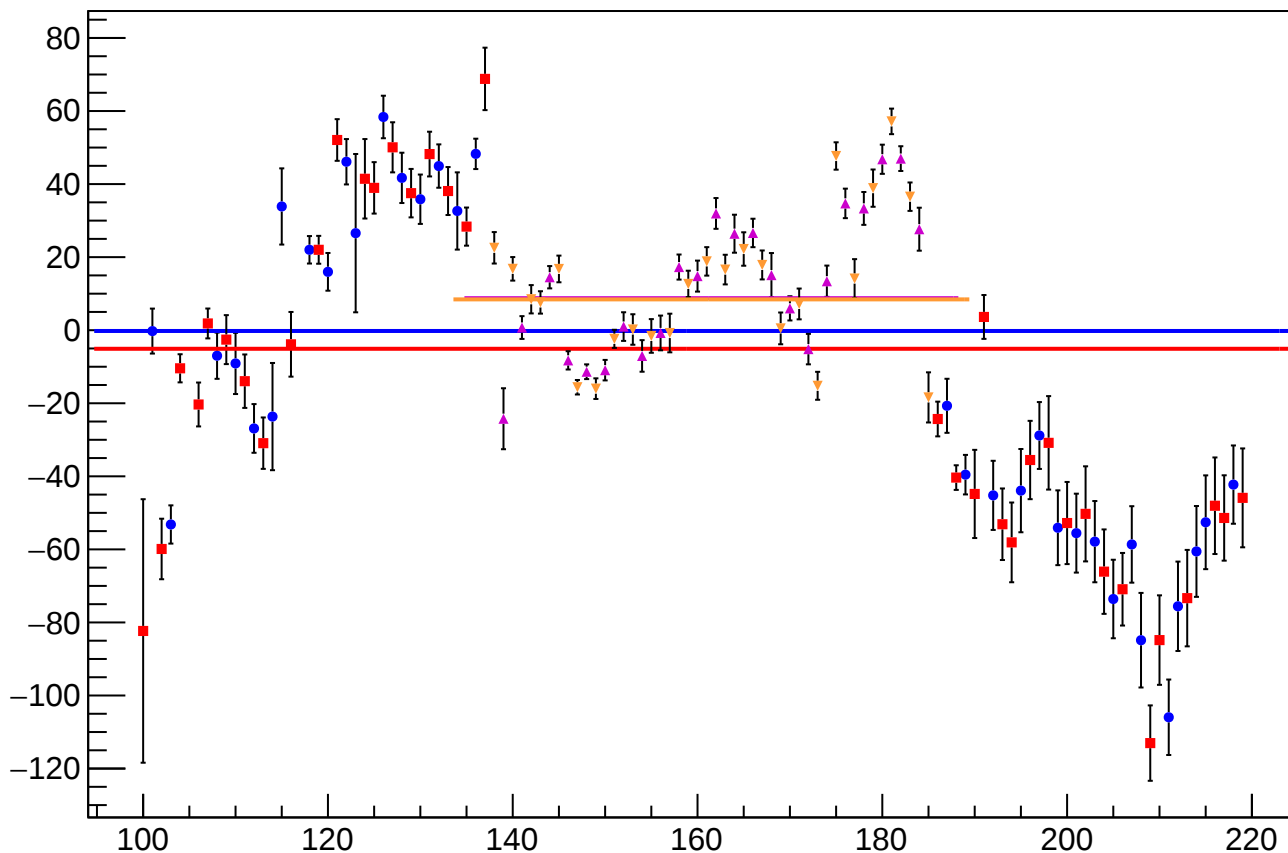
Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 180.640 ± 0.839 $\chi^2/\text{NDF}: 3969.4/40$

All: 184.832 ± 0.583 $\chi^2/\text{NDF}: 10747.9/81$

- sign 188.738 ± 0.810 $\chi^2/\text{NDF}: 6730.4/40$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -0.211 ± 1.277 χ^2/NDF : 1113.8/32

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -5.086 ± 1.126 χ^2/NDF : 1138.1/36

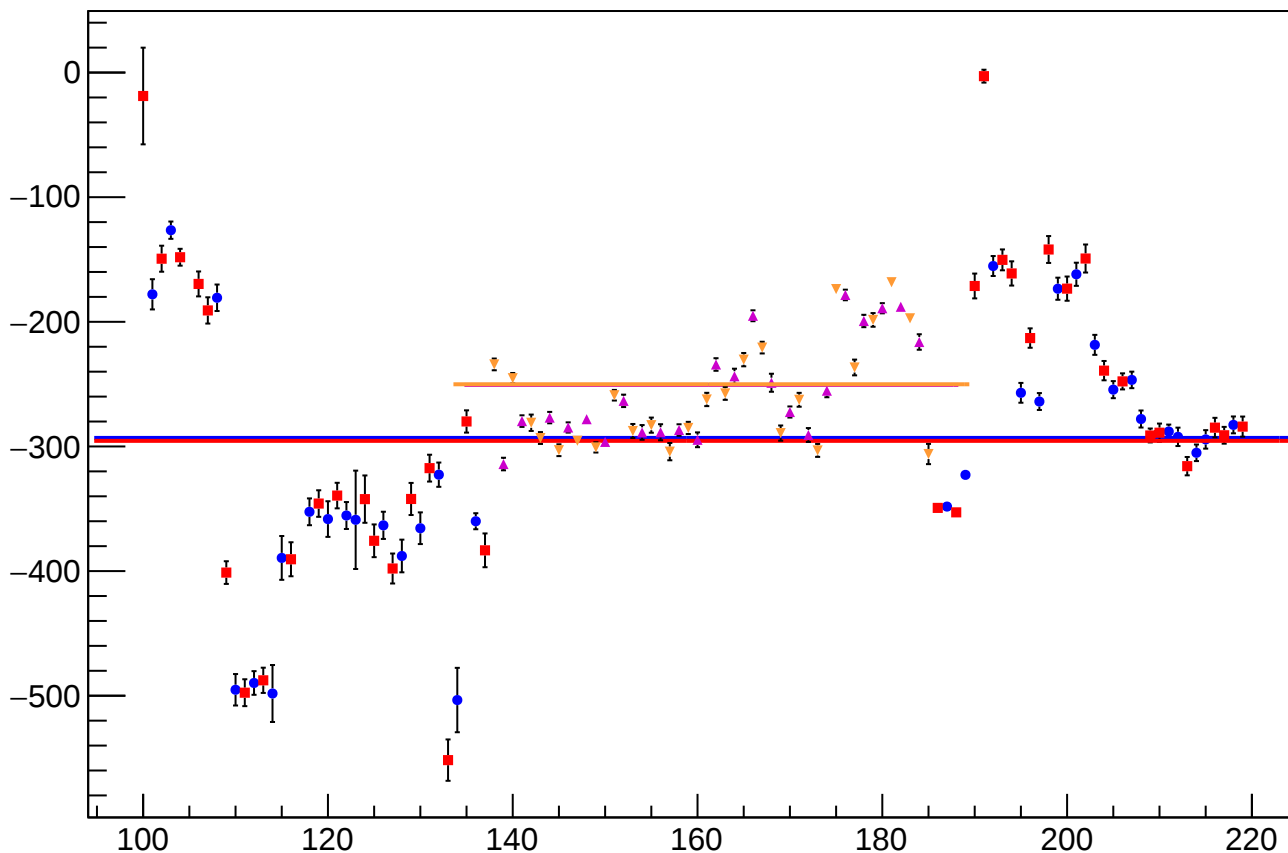
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 6.315 ± 0.633 χ^2/NDF : 1900.4/57

All: 5.375 ± 0.446 χ^2/NDF : 3773.9/117

- sign 4.446 ± 0.629 χ^2/NDF : 1869.1/59

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.150 ± 1.356 χ^2/NDF : 3137.6/32

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -295.500 ± 1.113 χ^2/NDF : 8123.3/36

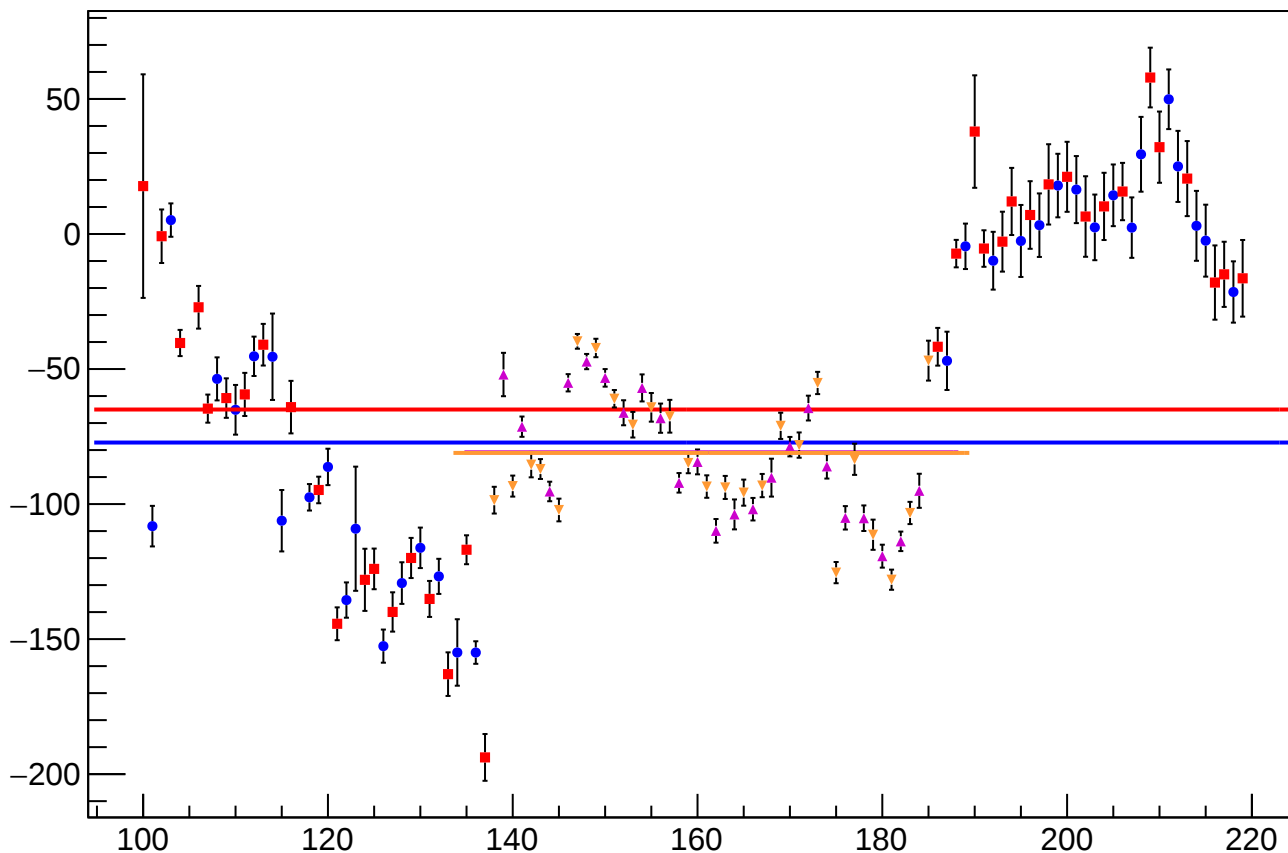
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.725 ± 0.790 χ^2/NDF : 6049.4/57

All: -267.780 ± 0.540 χ^2/NDF : 17044.9/117

- sign -270.457 ± 0.740 χ^2/NDF : 10967.5/59

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -77.217 ± 1.476 $\chi^2/\text{NDF}: 1830.5/32$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -64.989 ± 1.342 $\chi^2/\text{NDF}: 1931.9/36$

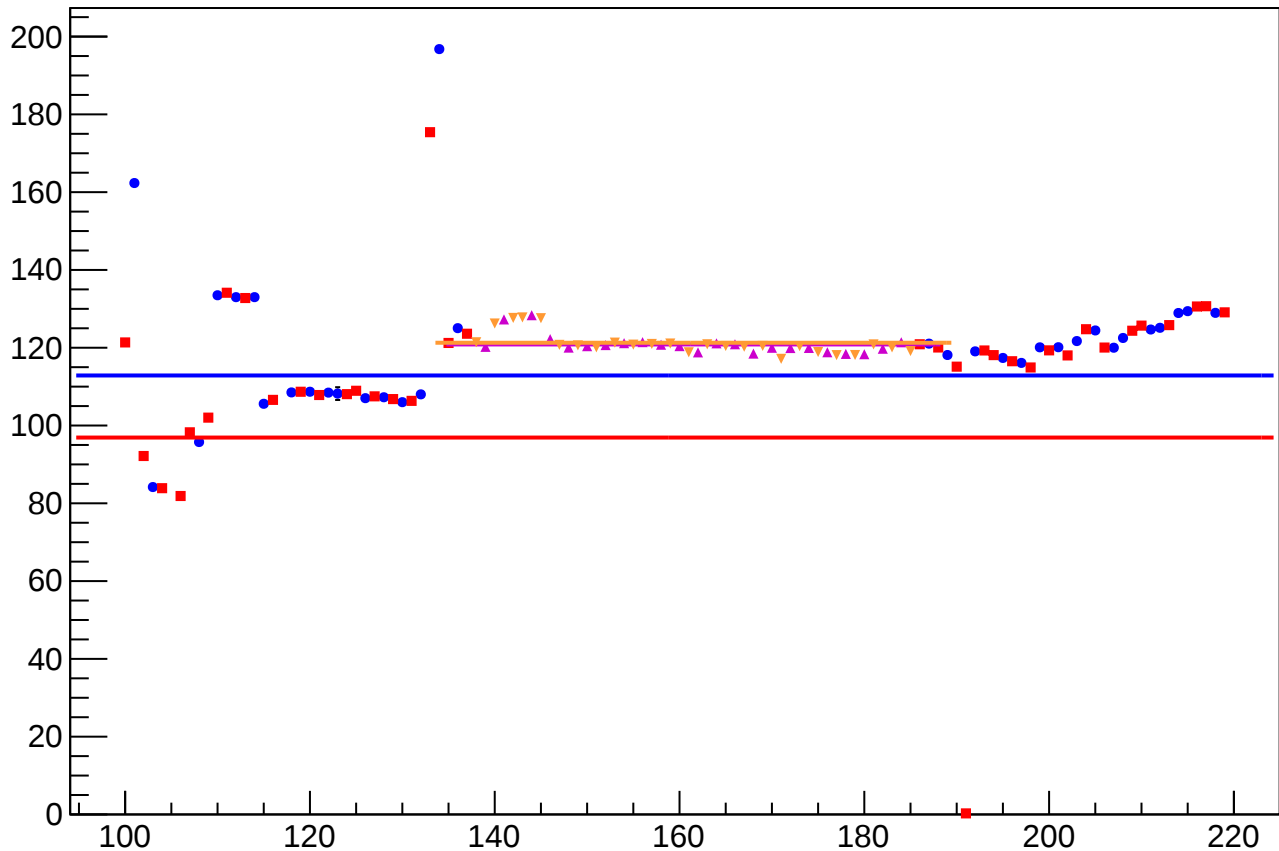
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -80.113 ± 0.732 $\chi^2/\text{NDF}: 2748.7/57$

All: -78.118 ± 0.517 $\chi^2/\text{NDF}: 5486.5/117$

- sign -76.130 ± 0.731 $\chi^2/\text{NDF}: 2723.0/59$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.867 $\pm$ 0.068 χ^2 /NDF: 81767.5/32

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 96.906 $\pm$ 0.061 χ^2 /NDF: 376441.4/36

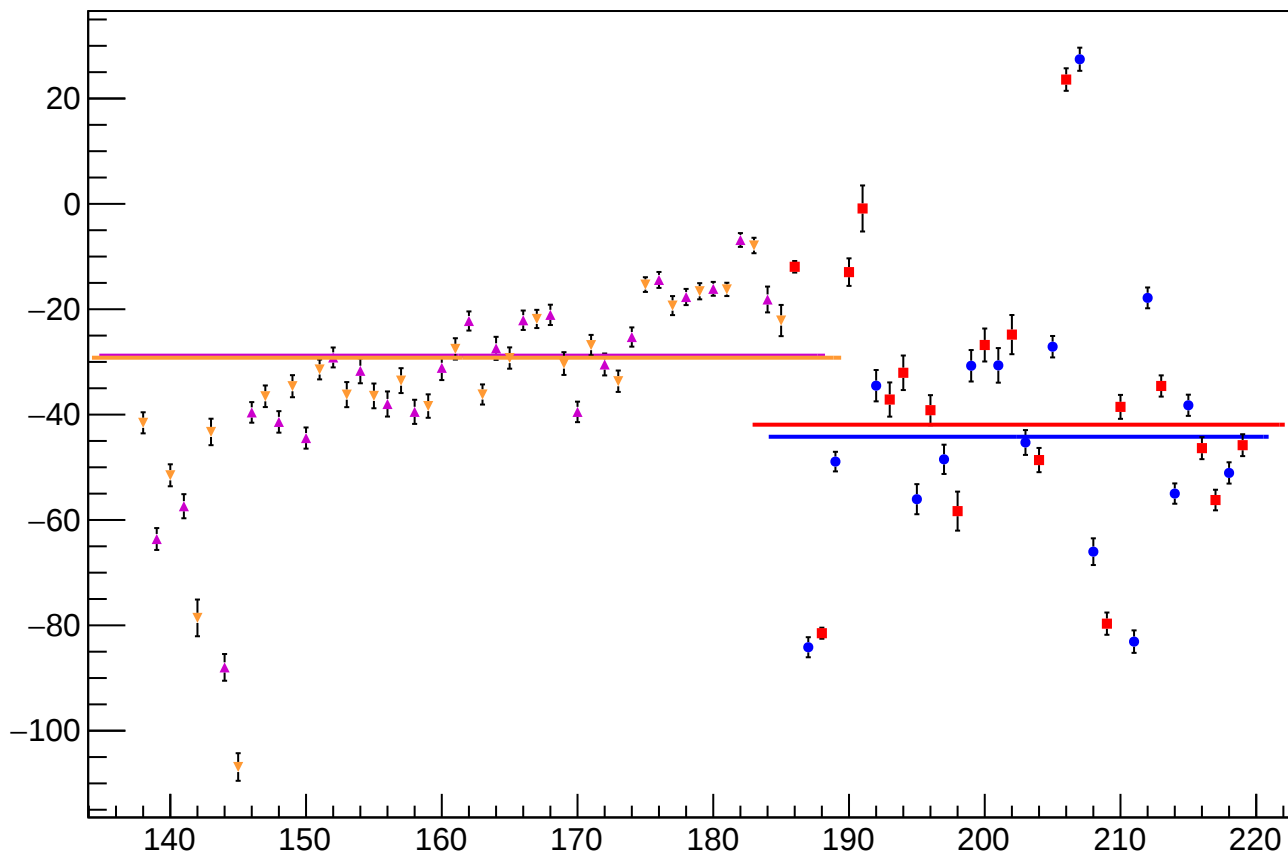
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.130 $\pm$ 0.035 χ^2 /NDF: 97975.9/57

All: 116.227 $\pm$ 0.024 χ^2 /NDF: 598403.4/117

- sign 113.451 $\pm$ 0.034 χ^2 /NDF: 486657.0/59

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -44.202 ± 0.563 χ^2/NDF : 2283.6/15

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -41.912 ± 0.483 χ^2/NDF : 3799.6/17

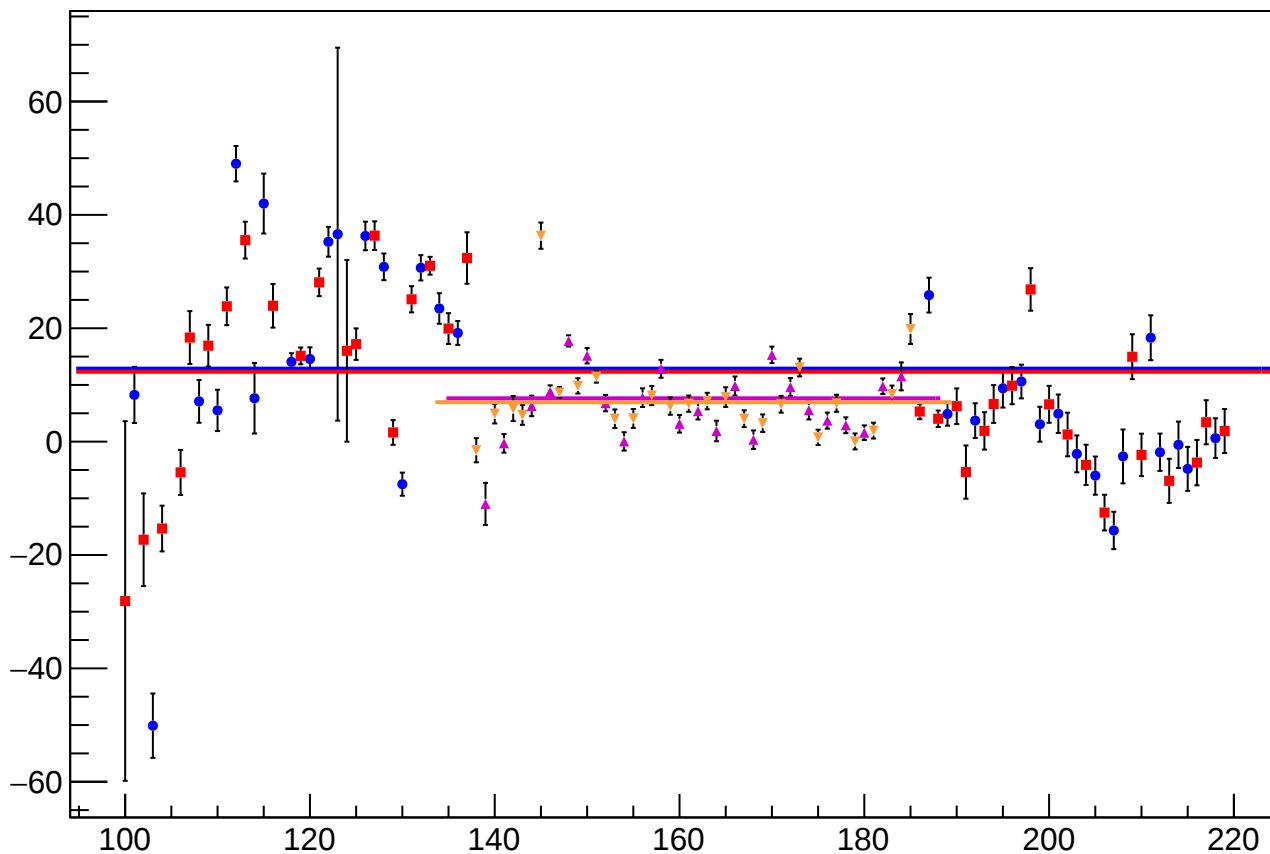
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -34.040 ± 0.320 χ^2/NDF : 4646.2/40

All: -34.054 ± 0.221 χ^2/NDF : 10650.3/81

- sign -34.067 ± 0.306 χ^2/NDF : 6004.2/40

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.872 ± 0.509 χ^2/NDF : 965.0/32

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 12.326 ± 0.463 χ^2/NDF : 790.3/36

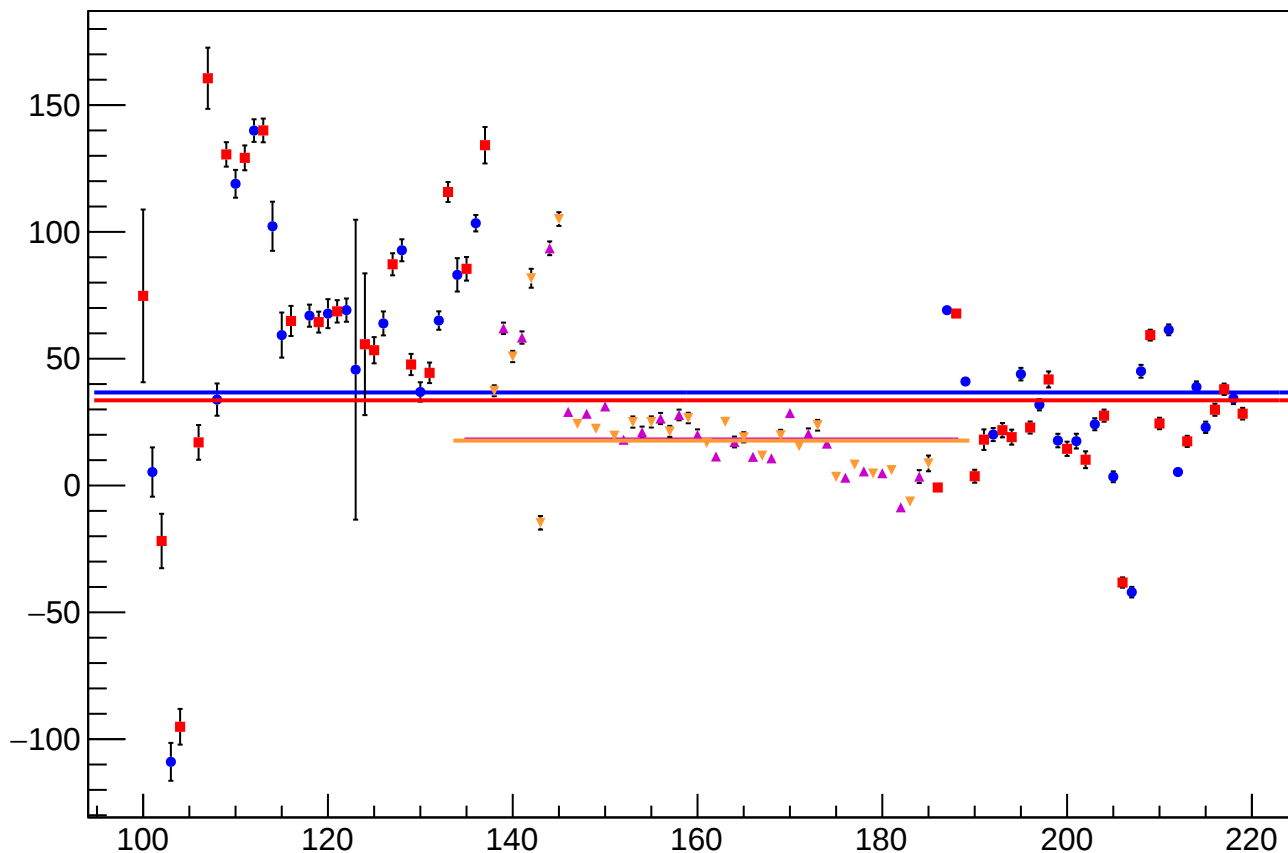
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 8.507 ± 0.260 χ^2/NDF : 1385.9/57

All: 8.811 ± 0.184 χ^2/NDF : 2587.0/117

- sign 9.113 ± 0.260 χ^2/NDF : 1198.4/59

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 36.695 ± 0.494 χ^2/NDF : 4775.5/32

Left Out: 17.705 ± 0.387 χ^2/NDF : 2432.2/24

Right Out: 33.593 ± 0.411 χ^2/NDF : 7836.9/36

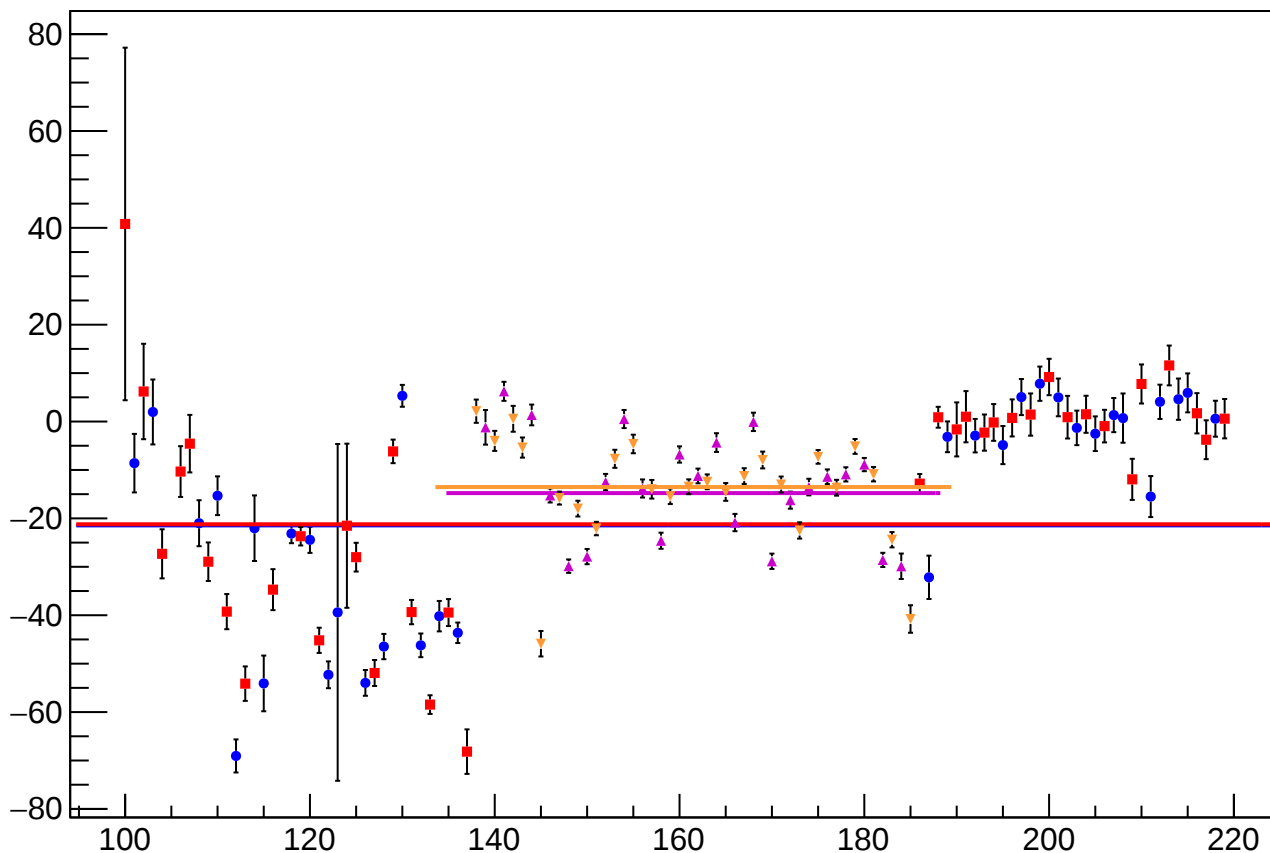
Left In: 18.150 ± 0.393 χ^2/NDF : 2339.4/22

+ sign 24.932 ± 0.305 χ^2/NDF : 8122.9/57

All: 25.243 ± 0.208 χ^2/NDF : 19038.9/117

- sign 25.512 ± 0.284 χ^2/NDF : 10914.0/59

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -21.444 ± 0.586 $\chi^2/\text{NDF}: 1545.9/32$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -21.216 ± 0.553 $\chi^2/\text{NDF}: 1611.9/36$

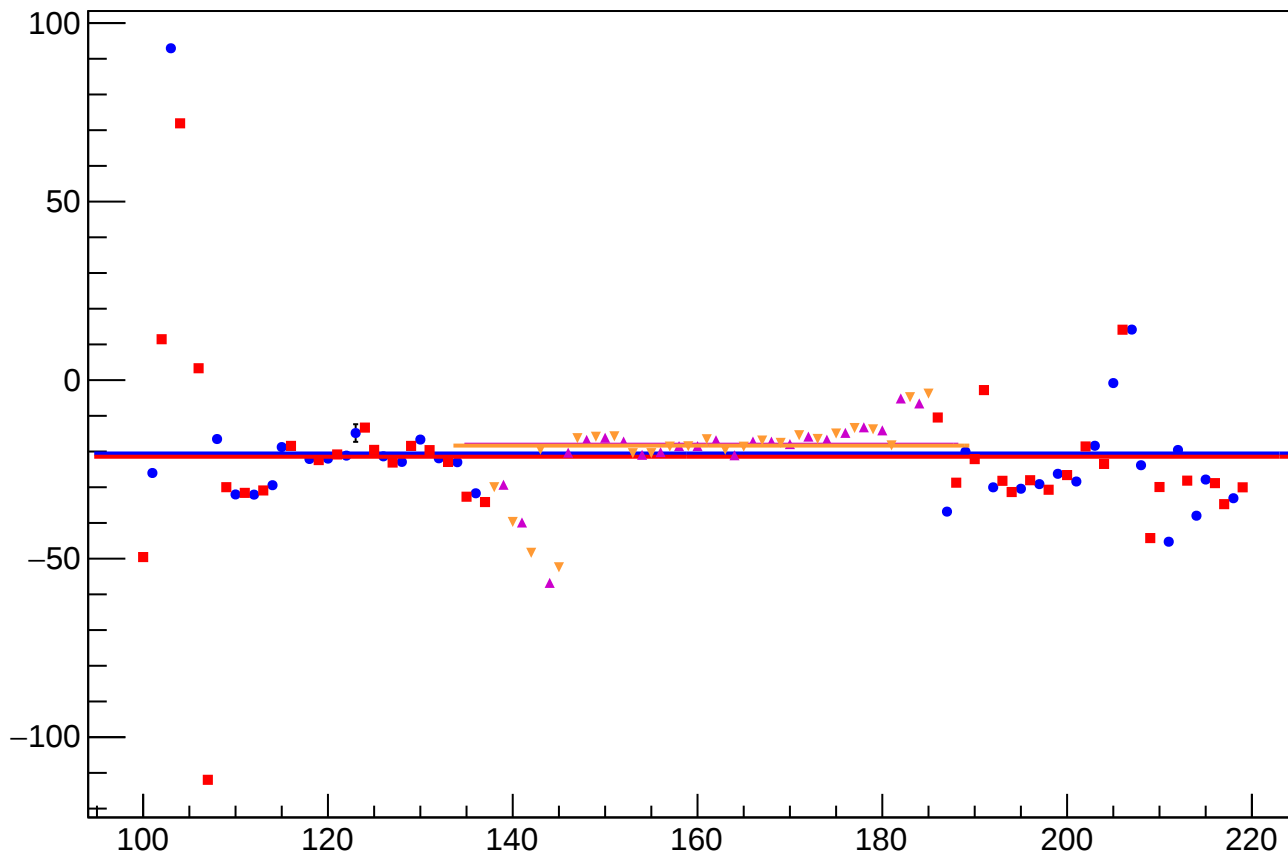
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -15.559 ± 0.297 $\chi^2/\text{NDF}: 2254.3/57$

All: -16.103 ± 0.210 $\chi^2/\text{NDF}: 4807.2/117$

- sign -16.653 ± 0.298 $\chi^2/\text{NDF}: 2546.2/59$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.546 ± 0.028 χ^2/NDF : 623044.4/32

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -21.457 ± 0.027 χ^2/NDF : 584818.5/36

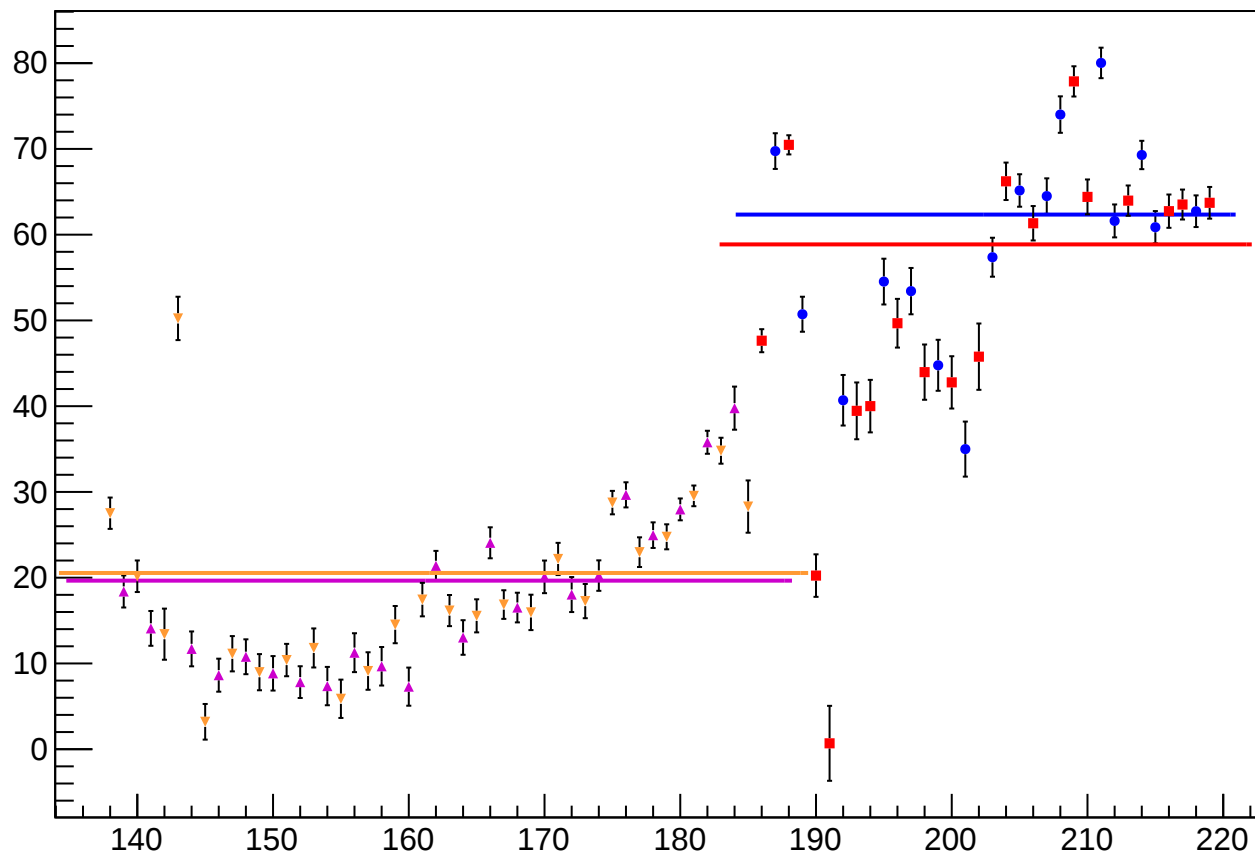
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.867 ± 0.014 χ^2/NDF : 911893.5/57

All: -18.916 ± 0.010 χ^2/NDF : 1750193.4/117

- sign -18.966 ± 0.014 χ^2/NDF : 838274.2/59

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 62.343 ± 0.532 $\chi^2/\text{NDF}: 381.5/15$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 58.865 ± 0.477 $\chi^2/\text{NDF}: 903.7/17$

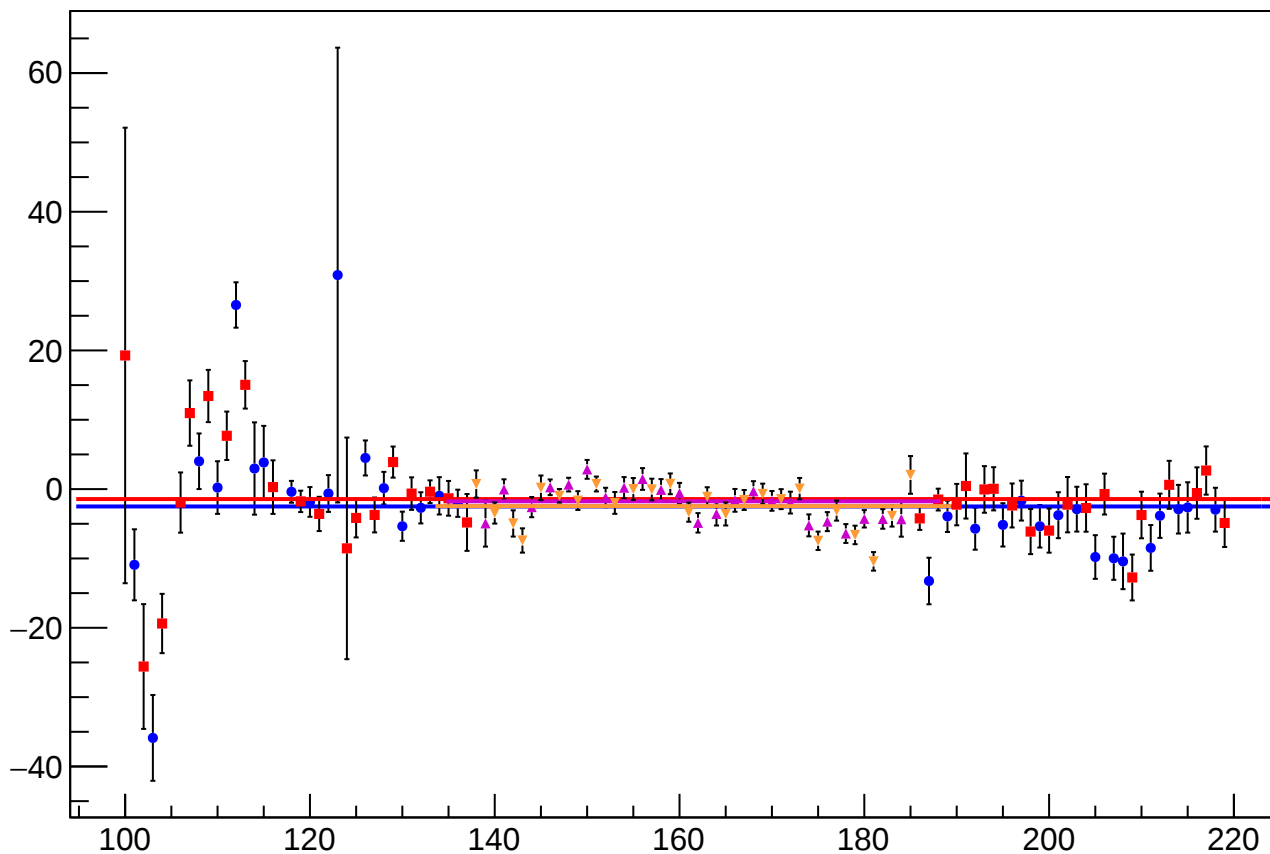
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 34.316 ± 0.305 $\chi^2/\text{NDF}: 5141.8/40$

All: 34.610 ± 0.213 $\chi^2/\text{NDF}: 10746.6/81$

- sign 34.889 ± 0.297 $\chi^2/\text{NDF}: 5602.9/40$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.502 ± 0.507 χ^2/NDF : 162.7/32

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.437 ± 0.472 χ^2/NDF : 110.4/36

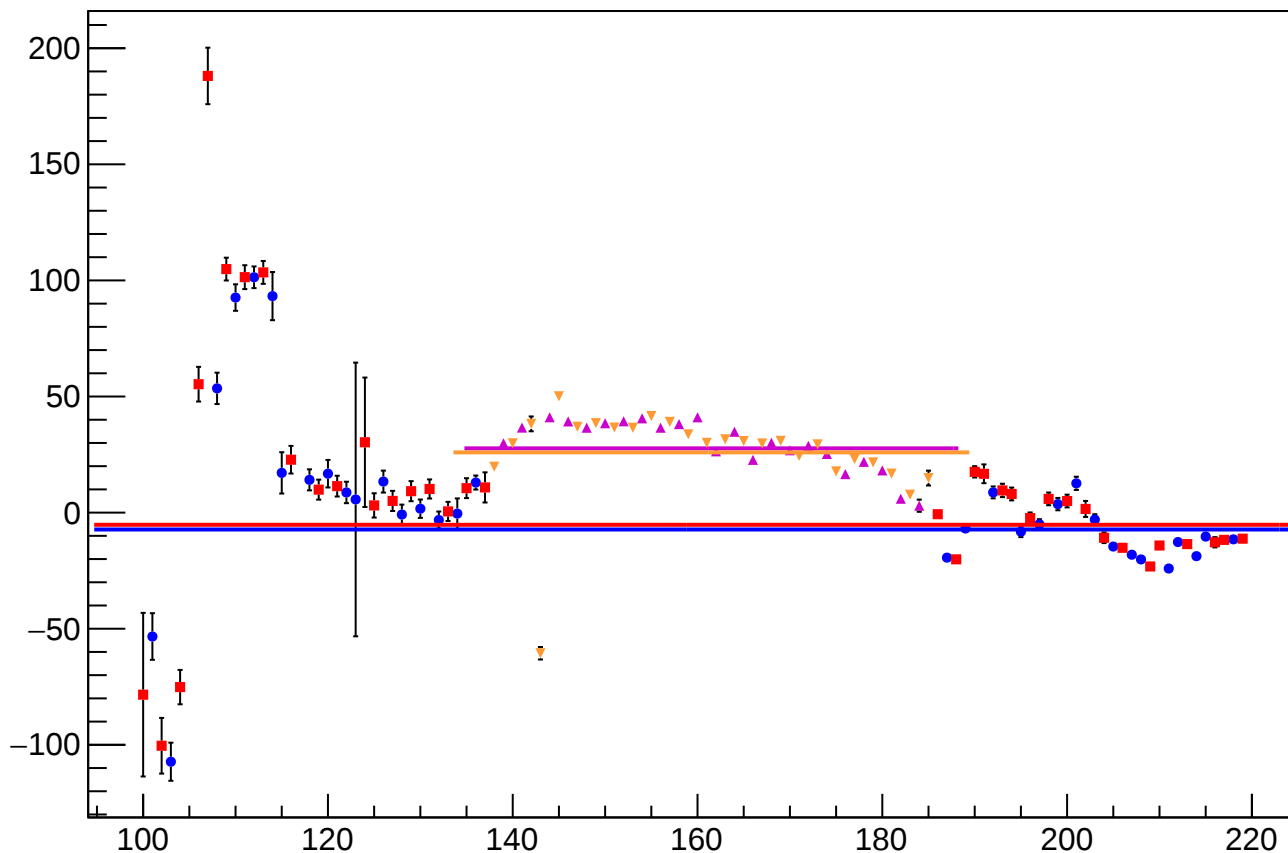
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.466 ± 0.253 χ^2/NDF : 268.6/57

All: -2.068 ± 0.179 χ^2/NDF : 451.8/117

- sign -1.665 ± 0.254 χ^2/NDF : 178.1/59

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -7.265 ± 0.478 χ^2/NDF : 1705.9/32

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -5.243 ± 0.418 χ^2/NDF : 2696.2/36

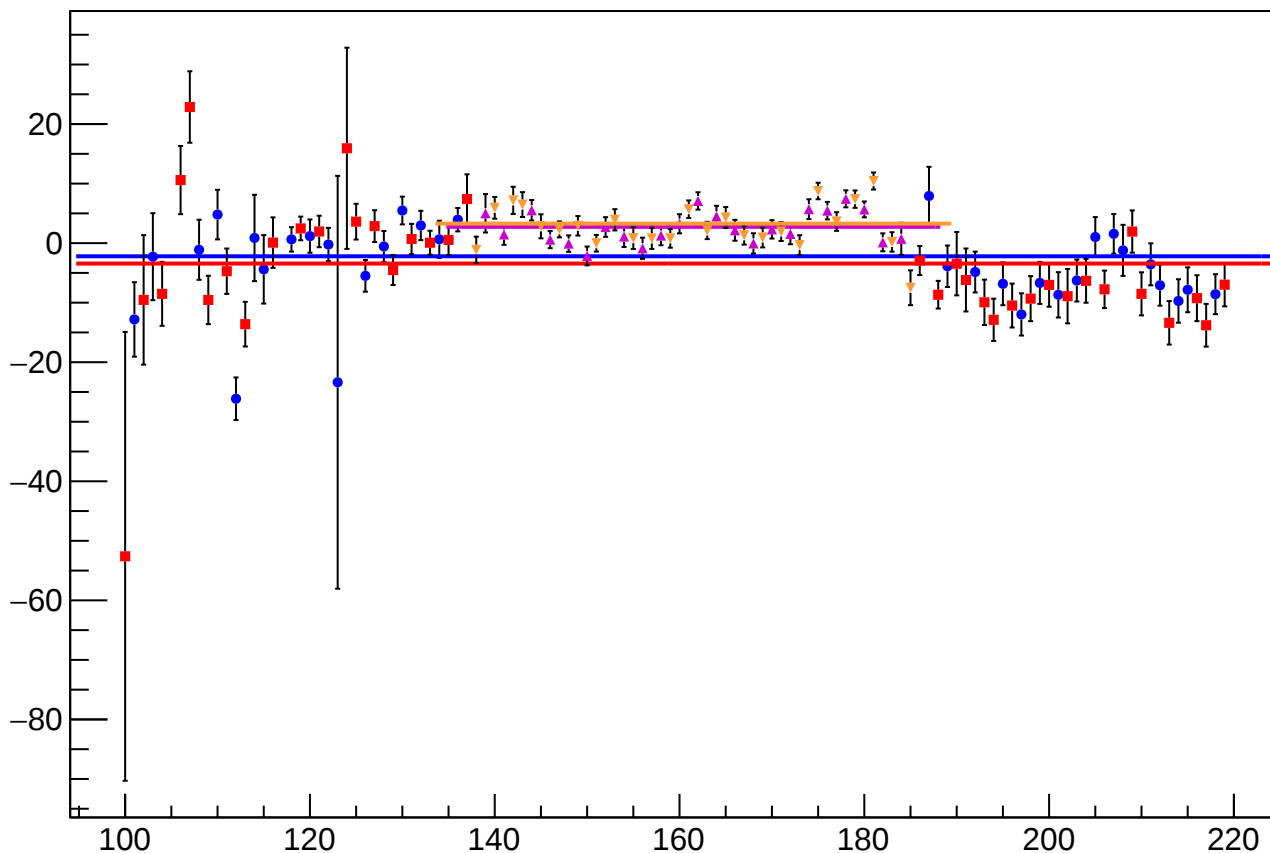
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 13.397 ± 0.294 χ^2/NDF : 6421.1/57

All: 13.112 ± 0.203 χ^2/NDF : 13334.6/117

- sign 12.852 ± 0.280 χ^2/NDF : 6911.7/59

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -2.207 ± 0.578 χ^2/NDF : 117.6/32

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -3.431 ± 0.555 χ^2/NDF : 128.5/36

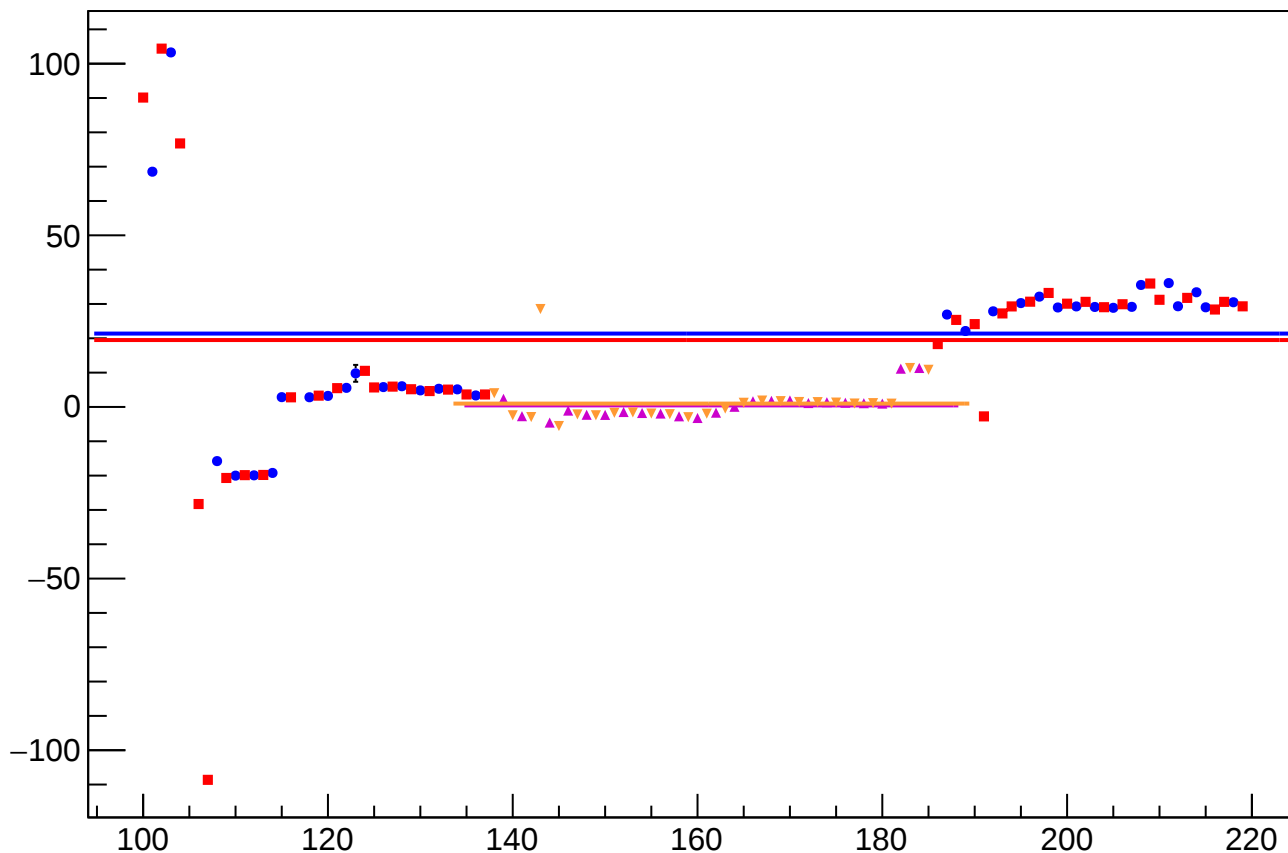
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 1.925 ± 0.288 χ^2/NDF : 287.7/57

All: 1.491 ± 0.204 χ^2/NDF : 574.9/117

- sign 1.048 ± 0.291 χ^2/NDF : 282.6/59

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.376 $\pm$ 0.027 χ^2 /NDF: 516465.0/32

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF:117391.3/24

Right Out: 19.491 $\pm$ 0.027 χ^2 /NDF: 751955.1/36

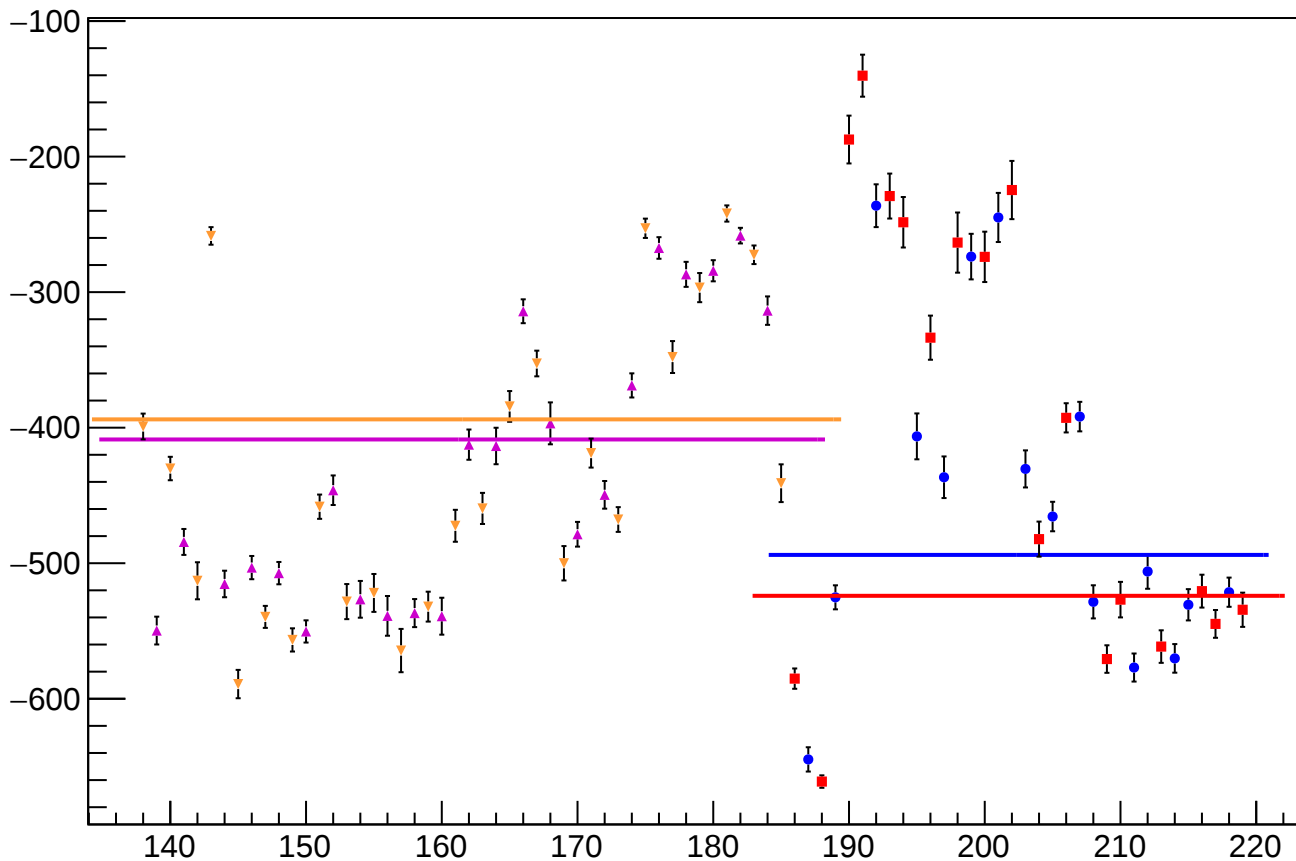
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF:50699.8/22

+ sign 5.781 $\pm$ 0.013 χ^2 /NDF: 1058297.5/57

All: 5.519 $\pm$ 0.009 χ^2 /NDF: 2245848.1/117

- sign 5.255 $\pm$ 0.013 χ^2 /NDF: 1186770.1/59

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -493.865 ± 2.975 $\chi^2/\text{NDF}: 1221.2/15$

Left Out: -393.871 ± 1.897 $\chi^2/\text{NDF}: 3772.8/24$

Right Out: -524.047 ± 2.586 $\chi^2/\text{NDF}: 3313.5/17$

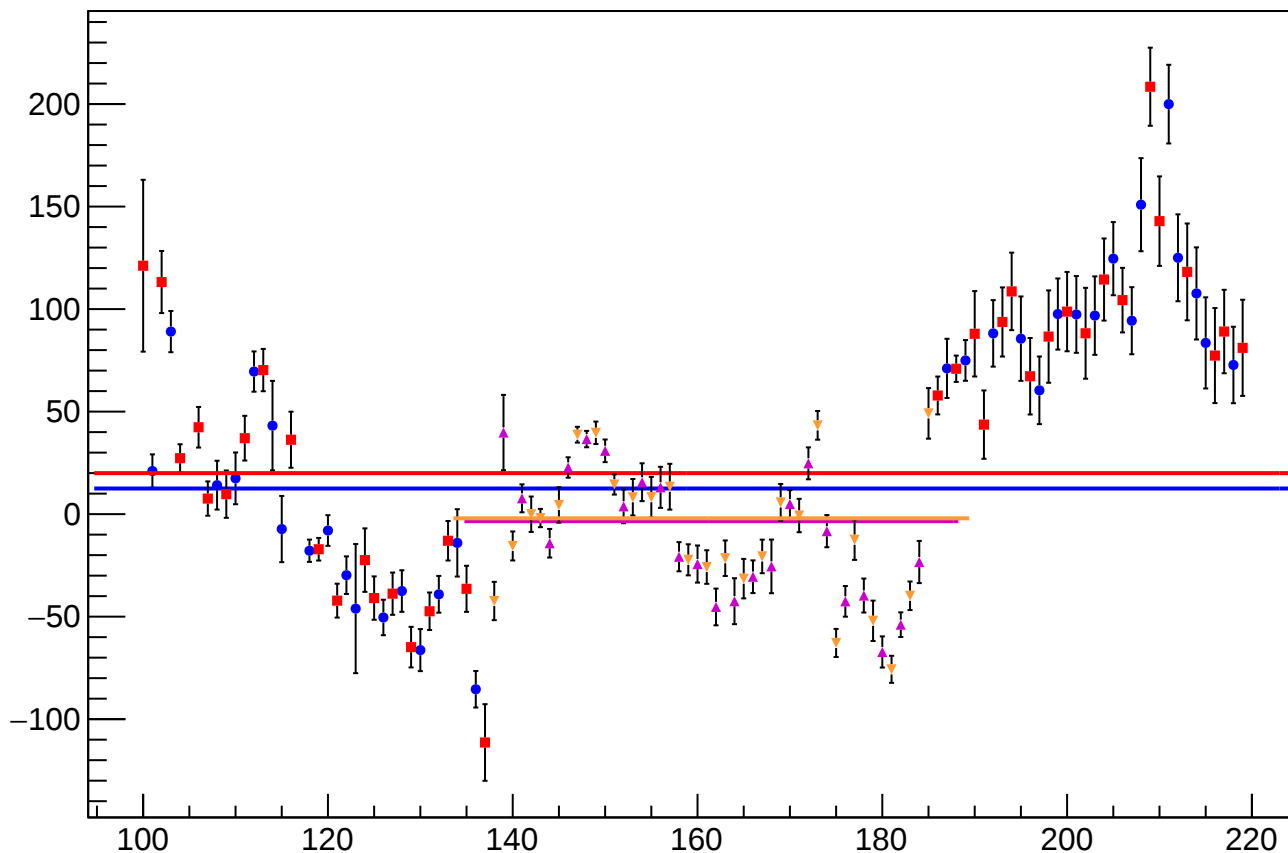
Left In: -408.696 ± 1.979 $\chi^2/\text{NDF}: 3062.9/22$

+ sign -422.782 ± 1.599 $\chi^2/\text{NDF}: 5797.3/40$

All: -437.295 ± 1.121 $\chi^2/\text{NDF}: 13590.5/81$

- sign -451.306 ± 1.572 $\chi^2/\text{NDF}: 7631.4/40$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.497 ± 2.063 $\chi^2/\text{NDF}: 879.4/32$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 20.000 ± 1.915 $\chi^2/\text{NDF}: 866.6/36$

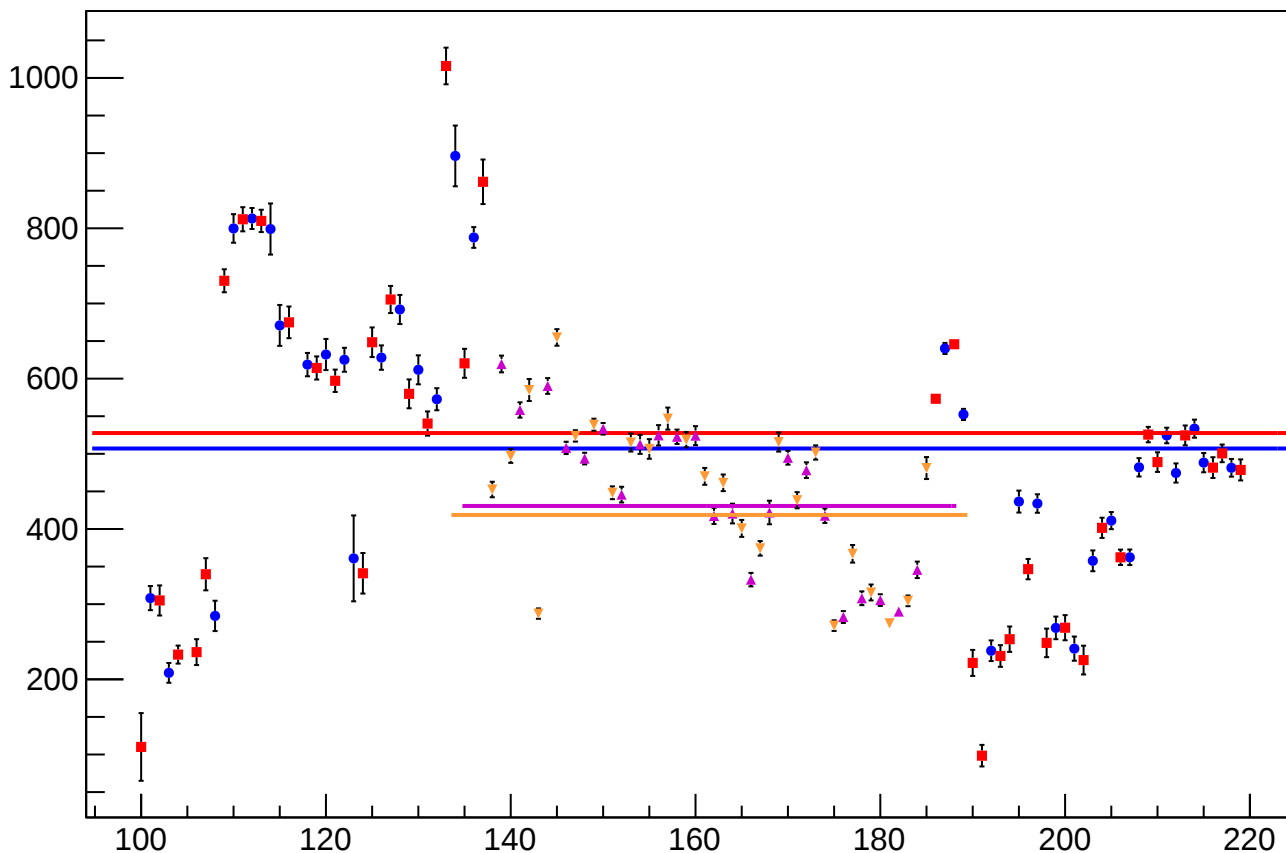
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign 2.654 ± 1.172 $\chi^2/\text{NDF}: 1476.8/57$

All: 4.118 ± 0.835 $\chi^2/\text{NDF}: 2889.3/117$

- sign 5.630 ± 1.191 $\chi^2/\text{NDF}: 1409.3/59$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 507.051 $\pm$ 2.365 χ^2 /NDF: 4209.4/32

Left Out: 418.680 $\pm$ 1.905 χ^2 /NDF:3296.5/24

Right Out: 527.637 $\pm$ 2.023 χ^2 /NDF: 7118.8/36

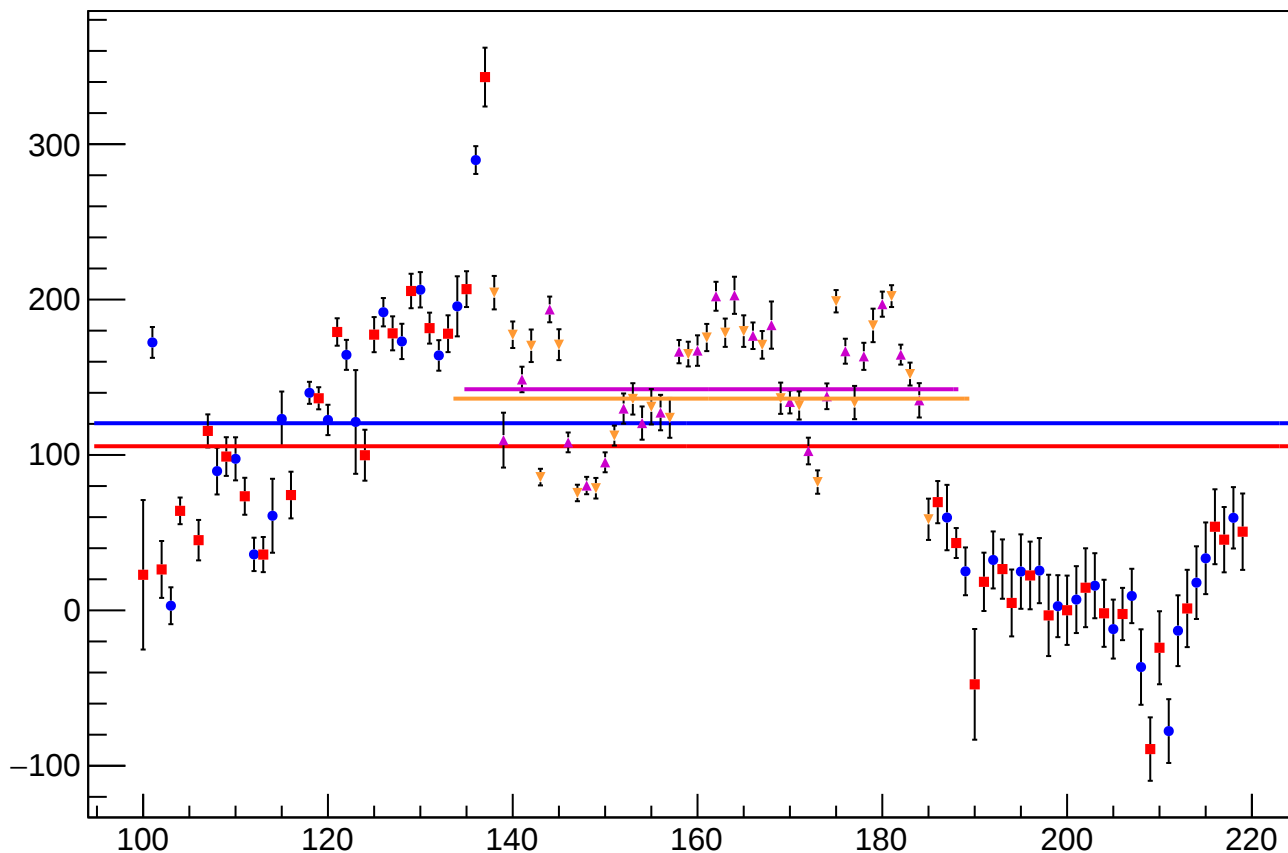
Left In: 430.640 $\pm$ 1.971 χ^2 /NDF:2850.6/22

+ sign 453.459 $\pm$ 1.483 χ^2 /NDF: 8352.9/57

All: 466.271 $\pm$ 1.023 χ^2 /NDF: 19644.0/117

- sign 477.871 $\pm$ 1.412 χ^2 /NDF: 11149.0/59

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 120.428 ± 2.395 $\chi^2/\text{NDF}: 1257.1/32$

Left Out: 136.258 ± 1.651 $\chi^2/\text{NDF}: 758.3/24$

Right Out: 105.616 ± 2.266 $\chi^2/\text{NDF}: 1119.7/36$

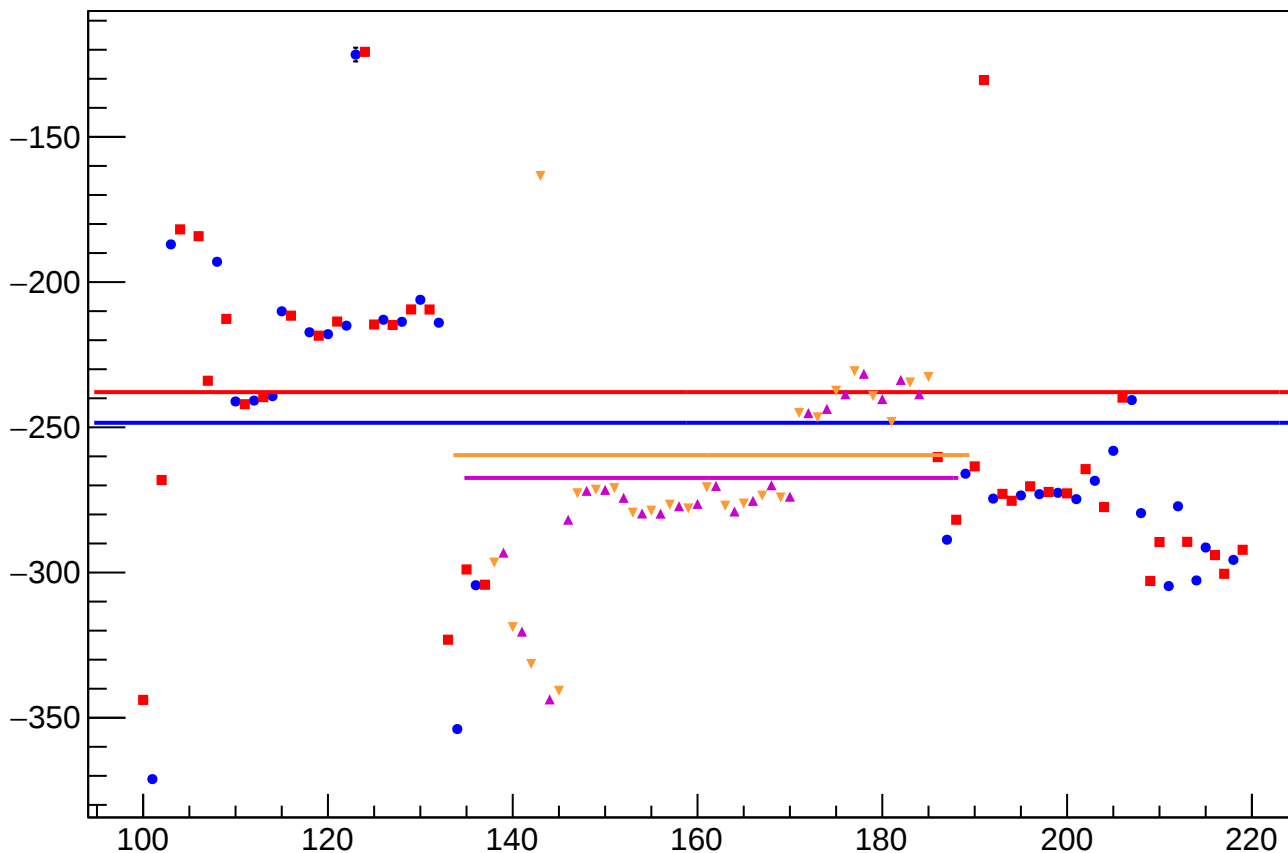
Left In: 142.296 ± 1.745 $\chi^2/\text{NDF}: 459.8/22$

+ sign 131.158 ± 1.359 $\chi^2/\text{NDF}: 2045.0/57$

All: 129.923 ± 0.969 $\chi^2/\text{NDF}: 3790.6/117$

- sign 128.646 ± 1.382 $\chi^2/\text{NDF}: 1744.0/59$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -248.439 ± 0.119 $\chi^2/\text{NDF}: 174405.0/32$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -237.880 ± 0.111 $\chi^2/\text{NDF}: 189121.1/36$

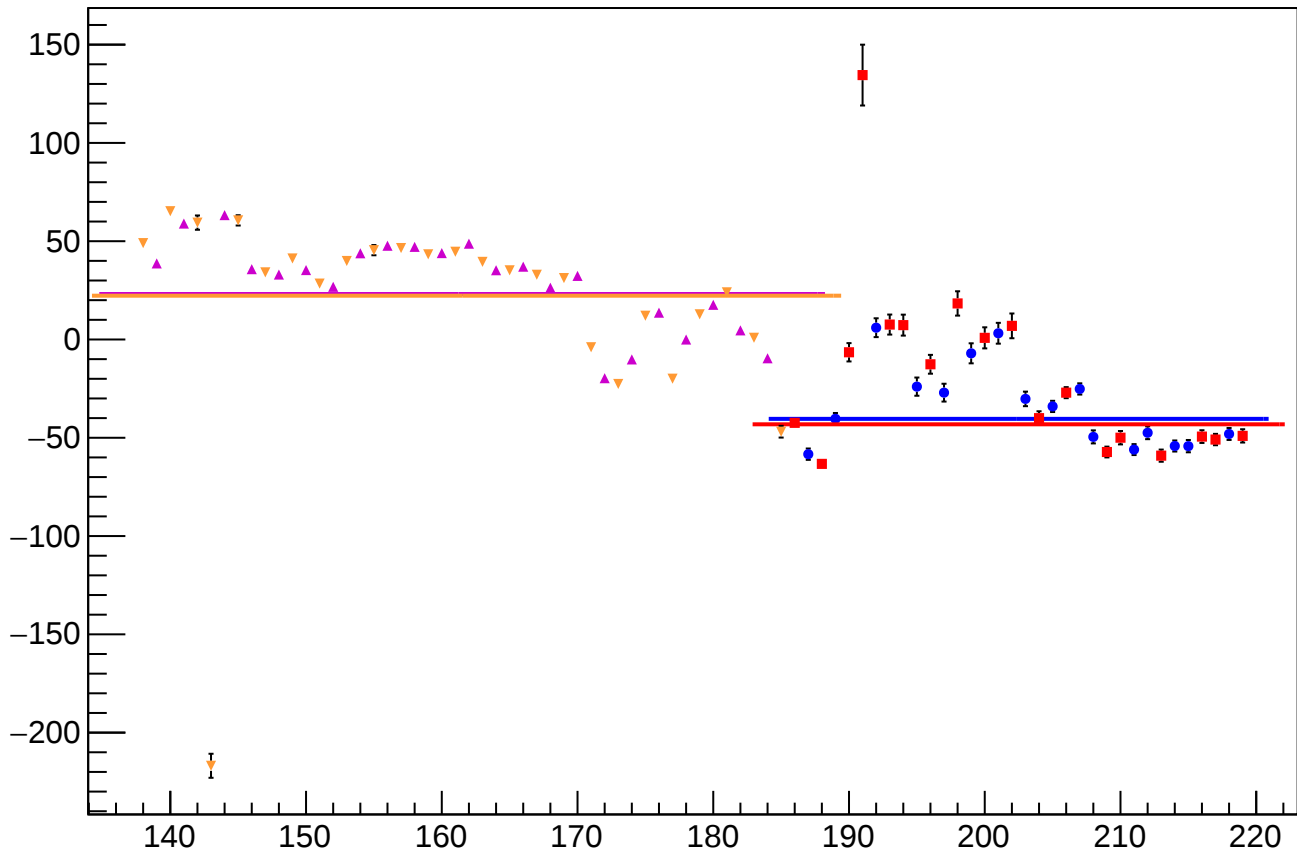
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -256.158 ± 0.066 $\chi^2/\text{NDF}: 418680.5/57$

All: -256.614 ± 0.047 $\chi^2/\text{NDF}: 751756.7/117$

- sign -257.069 ± 0.066 $\chi^2/\text{NDF}: 332980.6/59$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -40.378 ± 0.841 χ^2/NDF : 398.7/15

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -43.153 ± 0.740 χ^2/NDF : 923.4/17

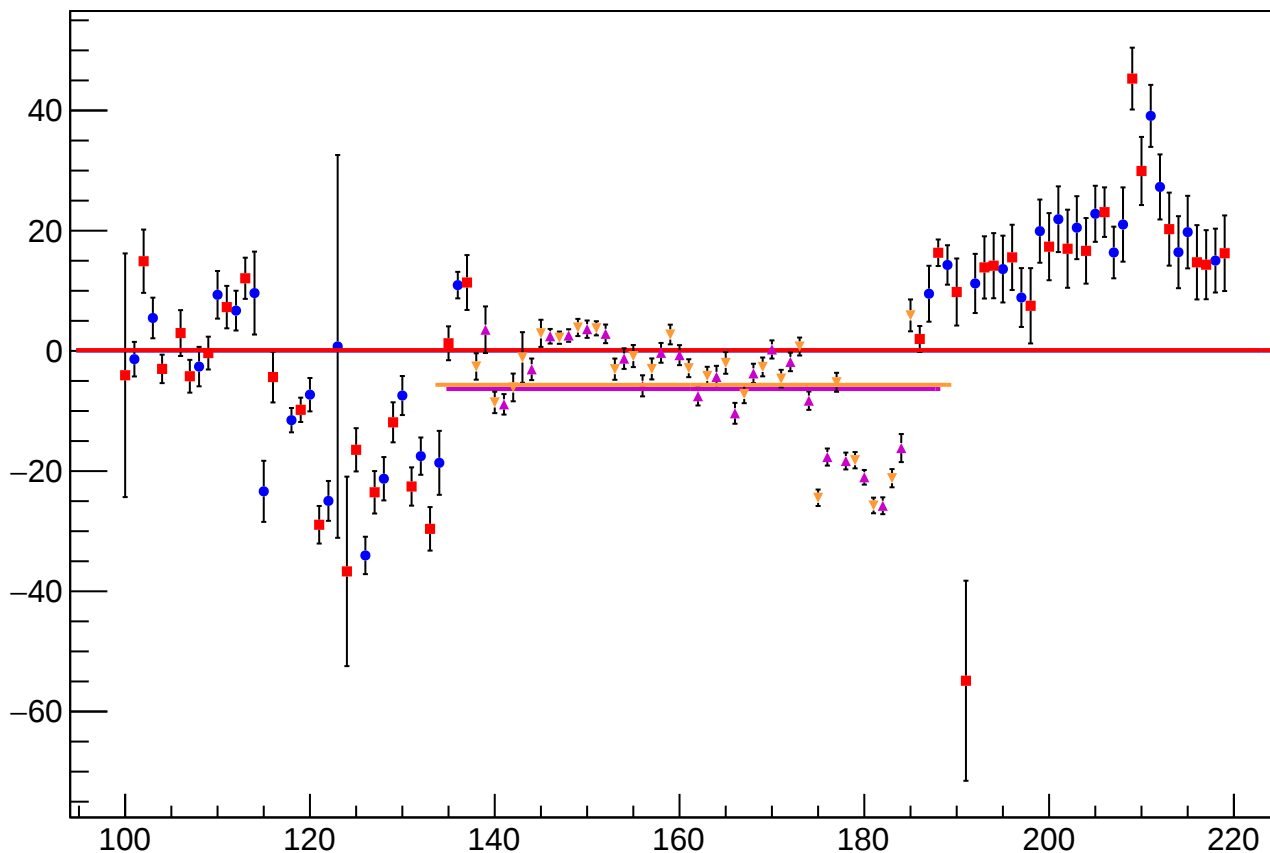
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 10.776 ± 0.360 χ^2/NDF : 10102.5/40

All: 9.391 ± 0.252 χ^2/NDF : 19999.4/81

- sign 8.063 ± 0.353 χ^2/NDF : 9868.0/40

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.059+/-0.667 χ^2/NDF : 603.0/32

Left Out: -5.642+/-0.316 χ^2/NDF :893.7/24

Right Out: 0.132+/-0.616 χ^2/NDF : 632.0/36

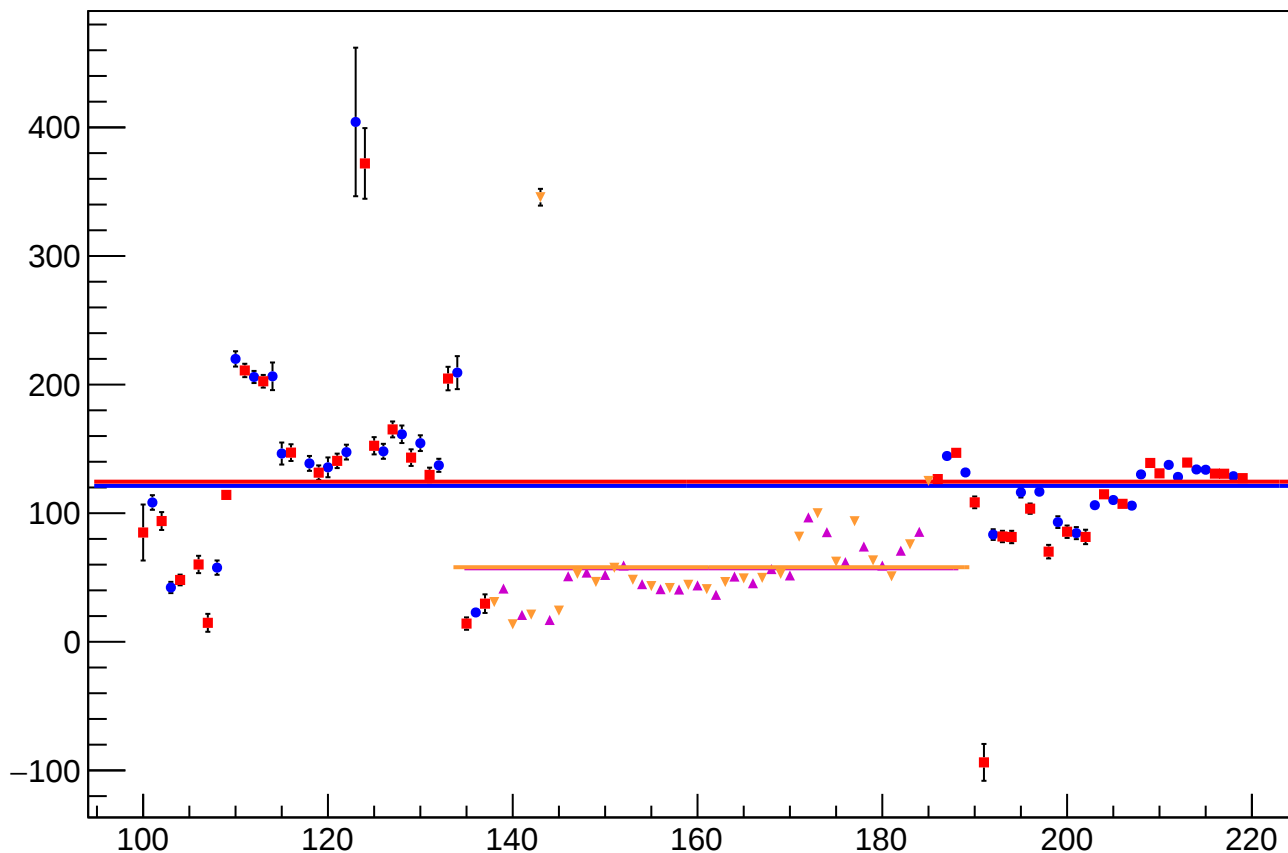
Left In: -6.337+/-0.321 χ^2/NDF :783.0/22

+ sign -4.599+/-0.285 χ^2/NDF : 1556.5/57

All: -4.777 ± 0.202 χ^2/NDF : 3058.9/117

- sign -4.954+/-0.285 χ^2/NDF : 1501.6/59

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 121.237 $\pm$ 0.703 χ^2 /NDF: 2607.7/32

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF: 4635.7/24

Right Out: 124.520 $\pm$ 0.603 χ^2 /NDF: 3279.8/36

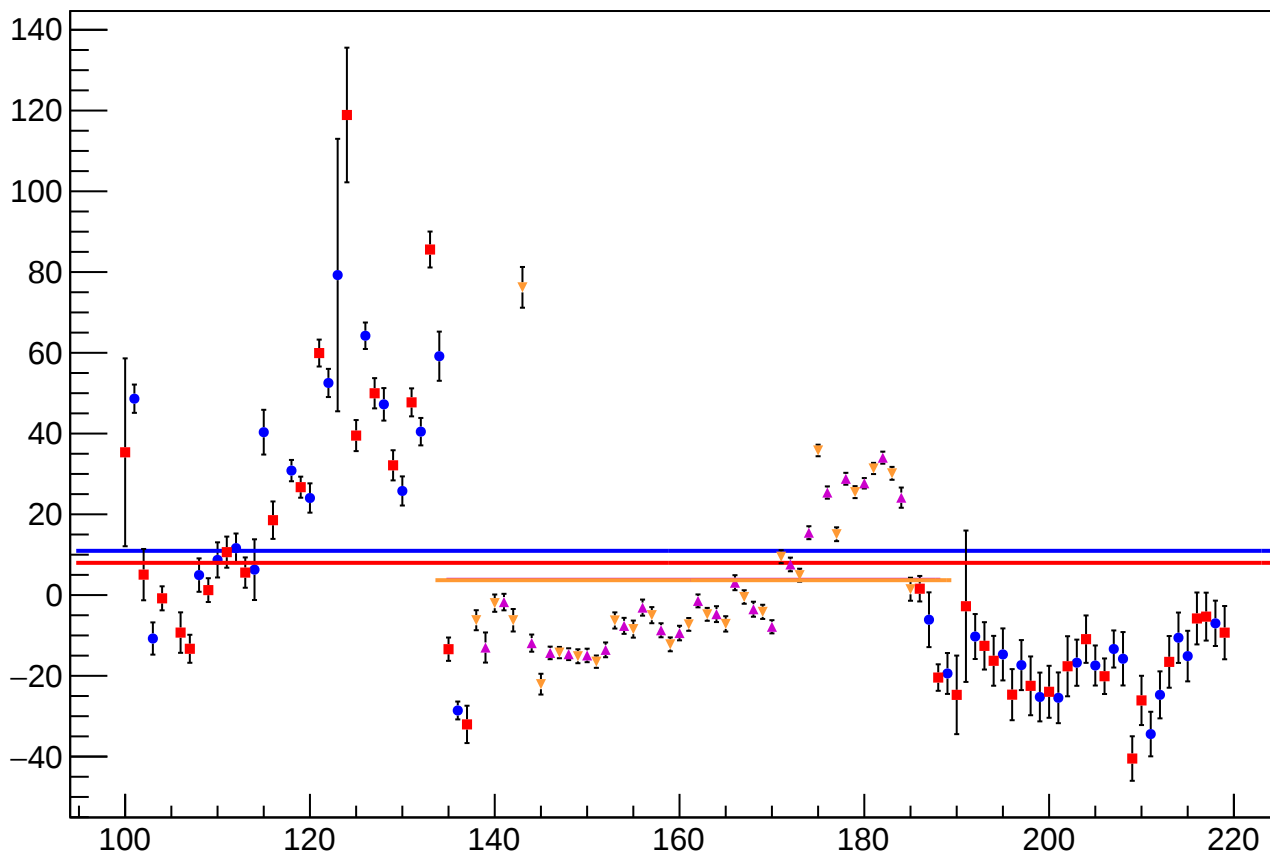
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF: 1803.4/22

+ sign 73.339 $\pm$ 0.346 χ^2 /NDF: 13373.7/57

All: 75.614 $\pm$ 0.240 χ^2 /NDF: 27225.8/117

- sign 77.718 $\pm$ 0.333 χ^2 /NDF: 13769.1/59

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 10.957 ± 0.763 $\chi^2/\text{NDF}: 1619.4/32$

Left Out: 3.684 ± 0.357 $\chi^2/\text{NDF}: 2541.7/24$

Right Out: 7.981 ± 0.725 $\chi^2/\text{NDF}: 1599.1/36$

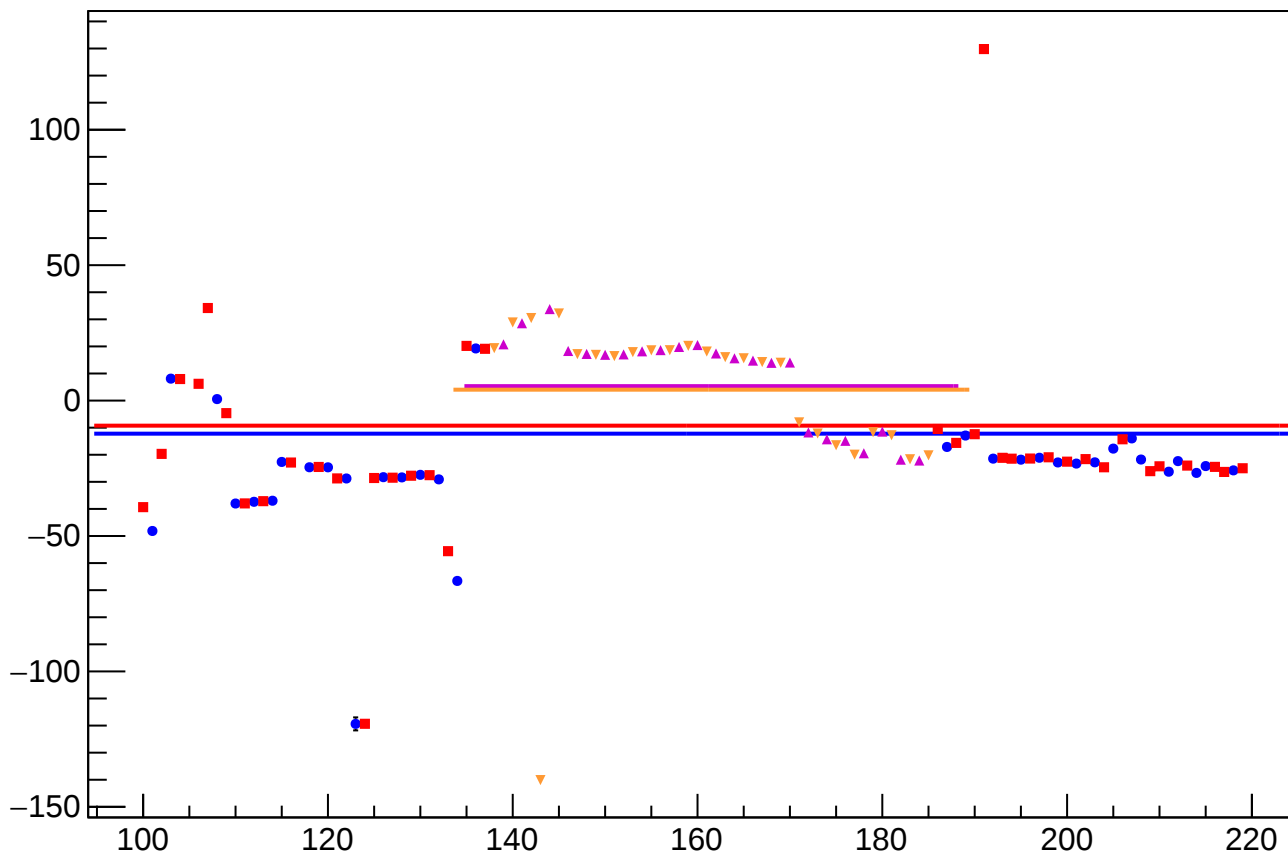
Left In: 3.786 ± 0.362 $\chi^2/\text{NDF}: 2198.8/22$

+ sign 4.988 ± 0.323 $\chi^2/\text{NDF}: 4235.6/57$

All: 4.805 ± 0.229 $\chi^2/\text{NDF}: 8060.9/117$

- sign 4.622 ± 0.324 $\chi^2/\text{NDF}: 3824.7/59$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.215 ± 0.036 χ^2/NDF : 308854.5/32

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -9.259 ± 0.035 χ^2/NDF : 403282.2/36

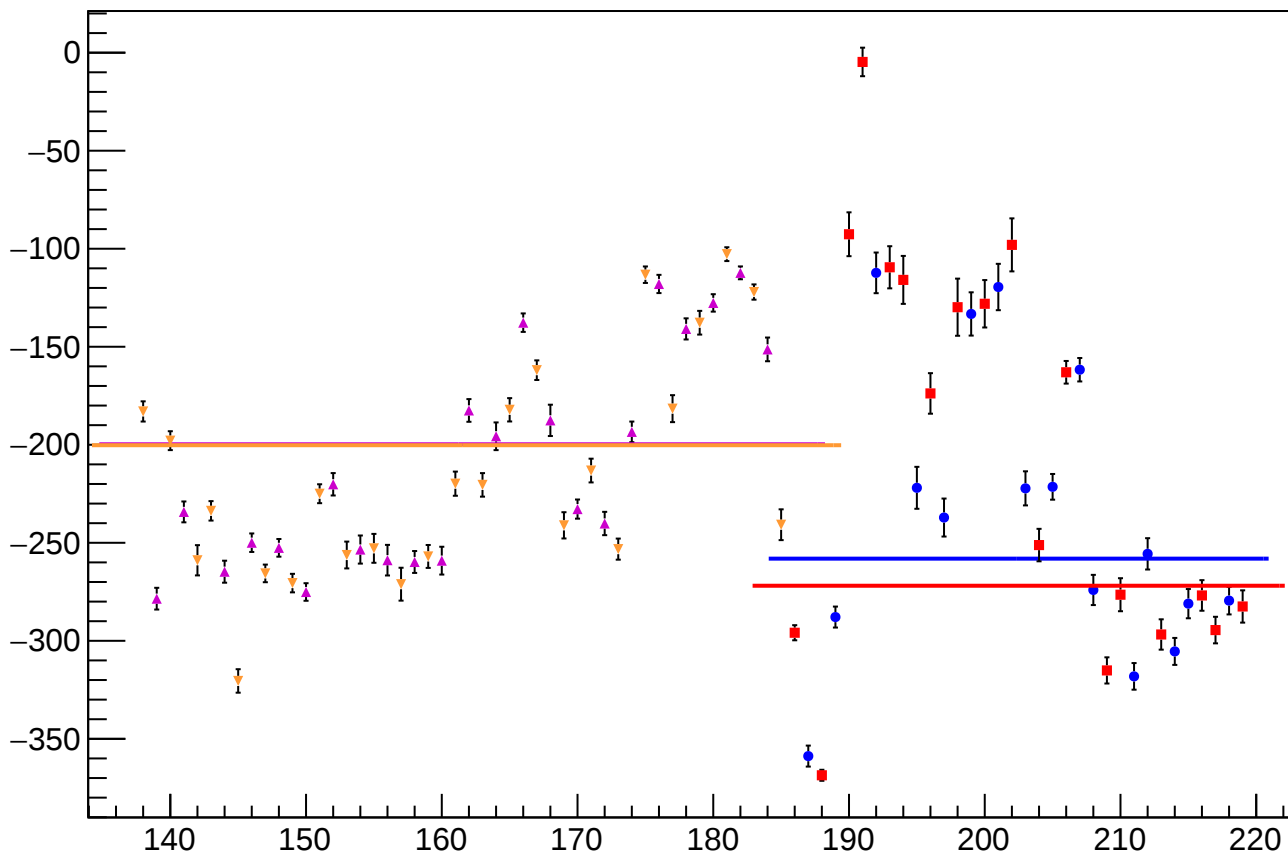
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.214 ± 0.015 χ^2/NDF : 1862552.0/57

All: 1.955 ± 0.011 χ^2/NDF : 3491420.9/117

- sign 2.696 ± 0.015 χ^2/NDF : 1623903.8/59

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -258.086 ± 1.851 $\chi^2/\text{NDF}: 1320.1/15$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -271.908 ± 1.556 $\chi^2/\text{NDF}: 4136.0/17$

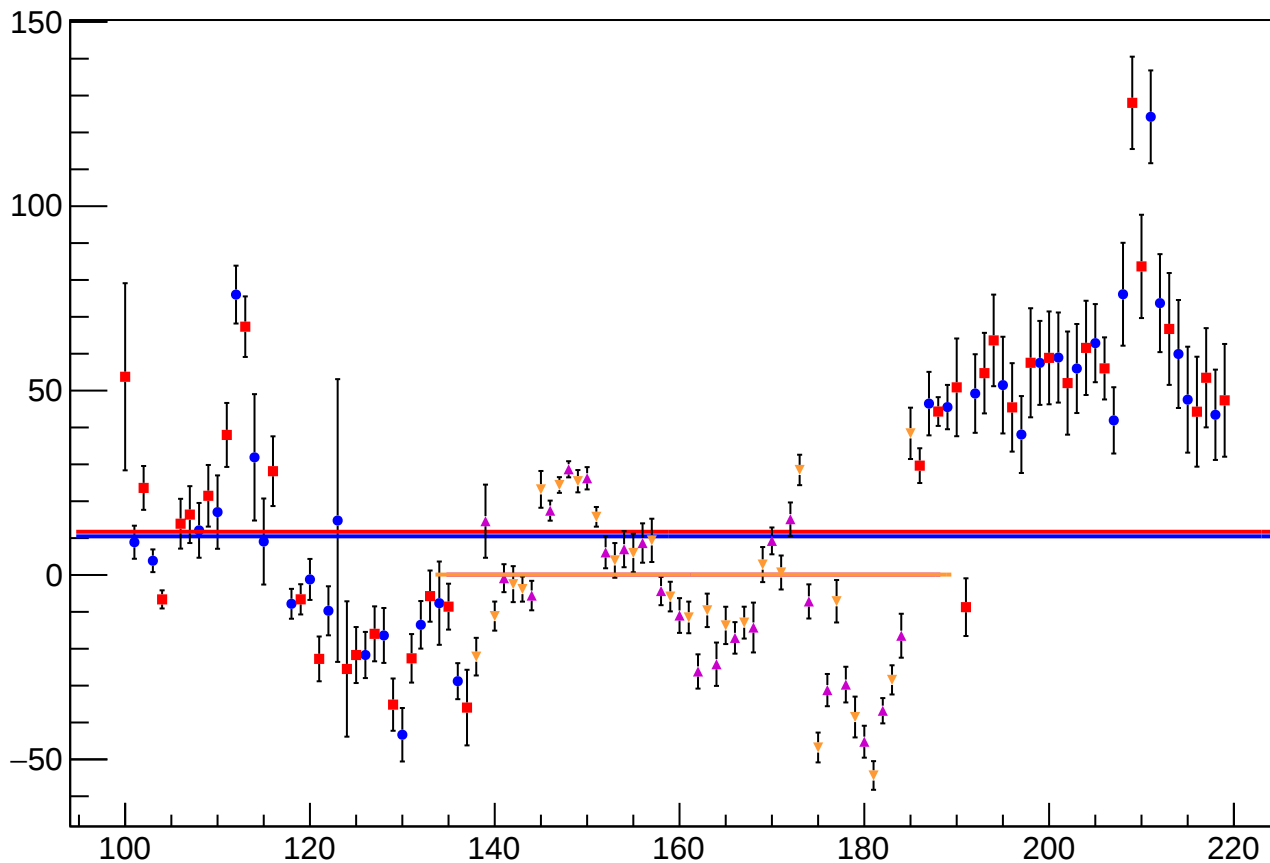
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -214.876 ± 0.931 $\chi^2/\text{NDF}: 5274.6/40$

All: -219.463 ± 0.646 $\chi^2/\text{NDF}: 13862.2/81$

- sign -223.715 ± 0.897 $\chi^2/\text{NDF}: 8540.8/40$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.473 ± 1.287 χ^2/NDF : 603.3/32

Left Out: 0.109 ± 0.807 χ^2/NDF : 831.2/24

Right Out: 11.722 ± 1.168 χ^2/NDF : 682.6/36

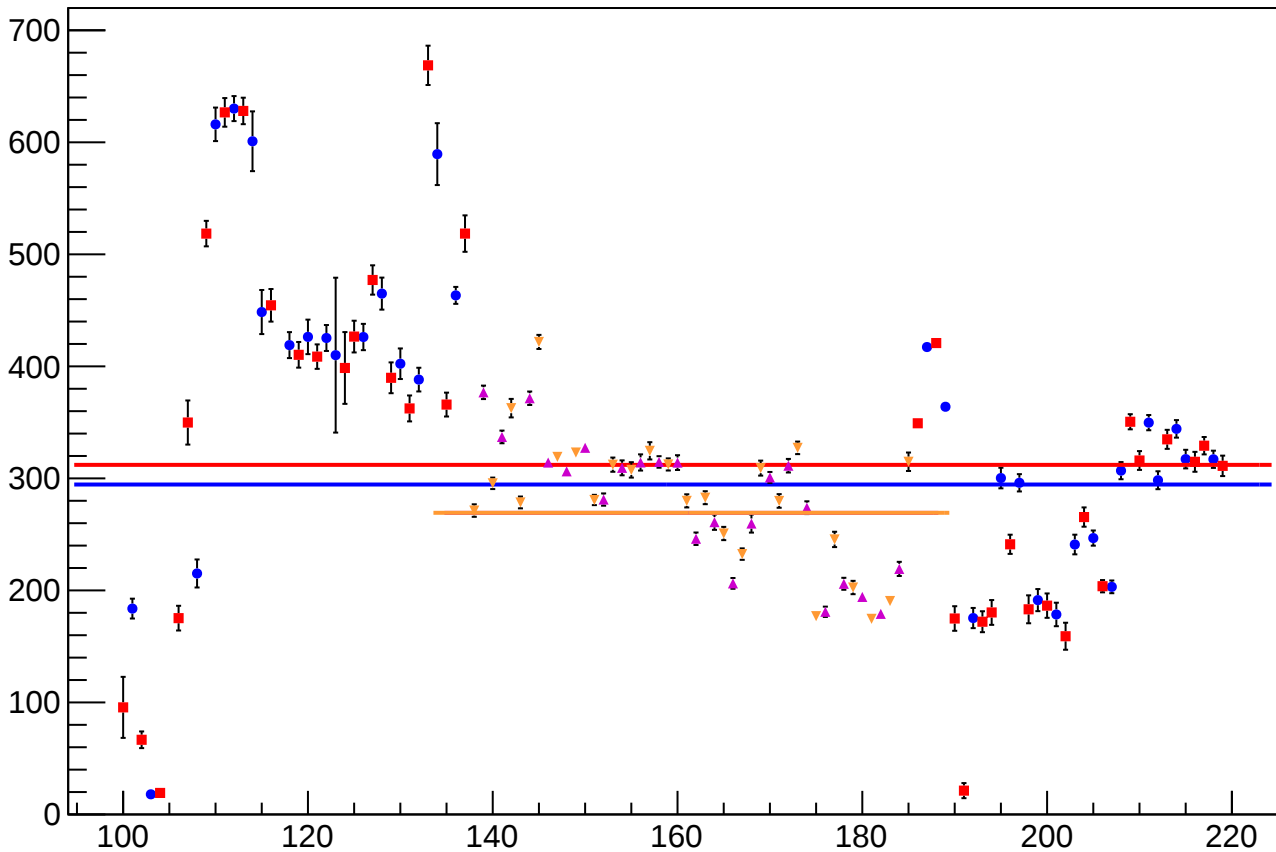
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign 3.036 ± 0.684 χ^2/NDF : 1481.1/57

All: 3.543 ± 0.482 χ^2/NDF : 2945.7/117

- sign 4.046 ± 0.681 χ^2/NDF : 1463.5/59

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 294.523 $\pm$ 1.427 χ^2 /NDF: 9654.0/32

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 312.067 $\pm$ 1.203 χ^2 /NDF: 14408.7/36

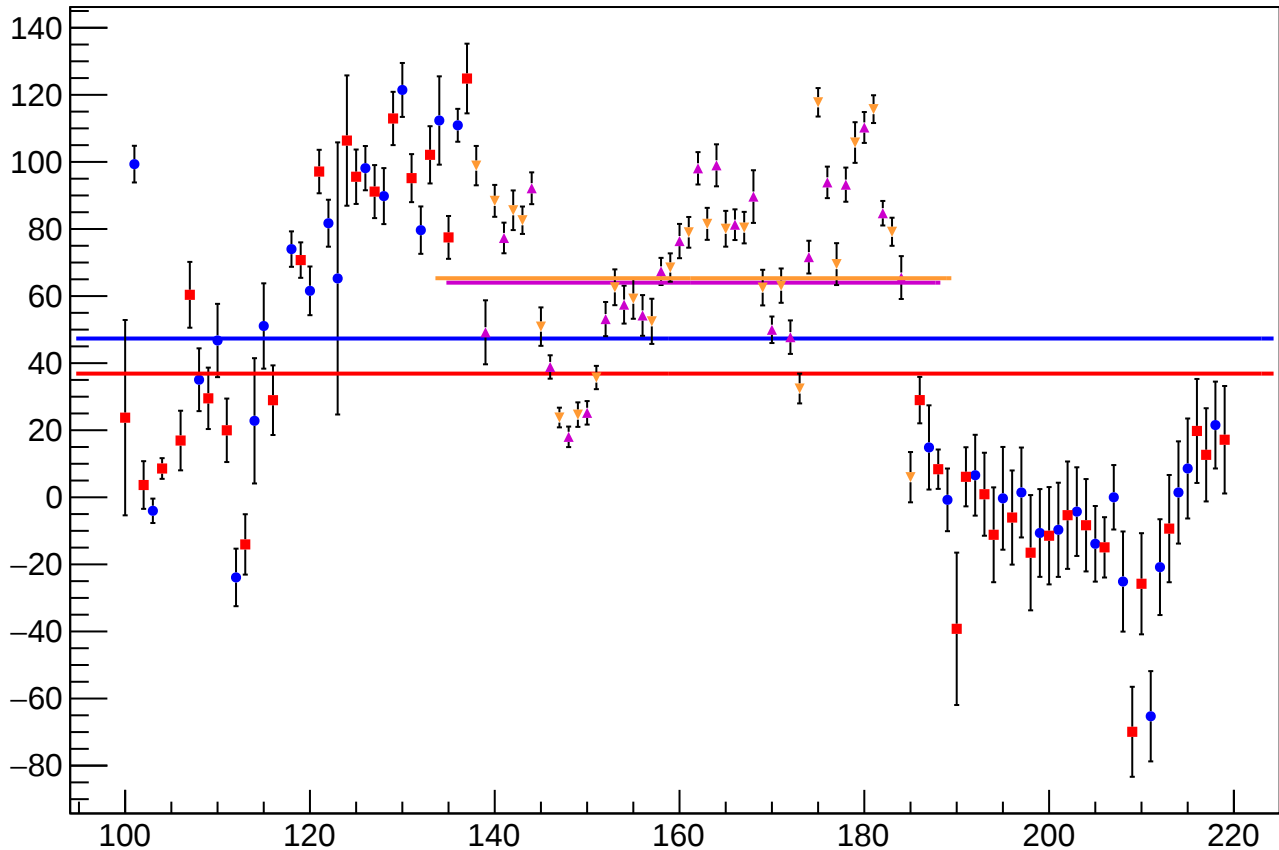
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 278.448 $\pm$ 0.860 χ^2 /NDF: 13000.0/57

All: 283.799 $\pm$ 0.589 χ^2 /NDF: 31348.8/117

- sign 288.525 $\pm$ 0.808 χ^2 /NDF: 18275.9/59

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.345 $\pm$ 1.496 χ^2/NDF : 1106.7/32

Left Out: 65.323 $\pm$ 0.935 χ^2/NDF :1007.1/24

Right Out: 36.883 $\pm$ 1.403 χ^2/NDF : 965.6/36

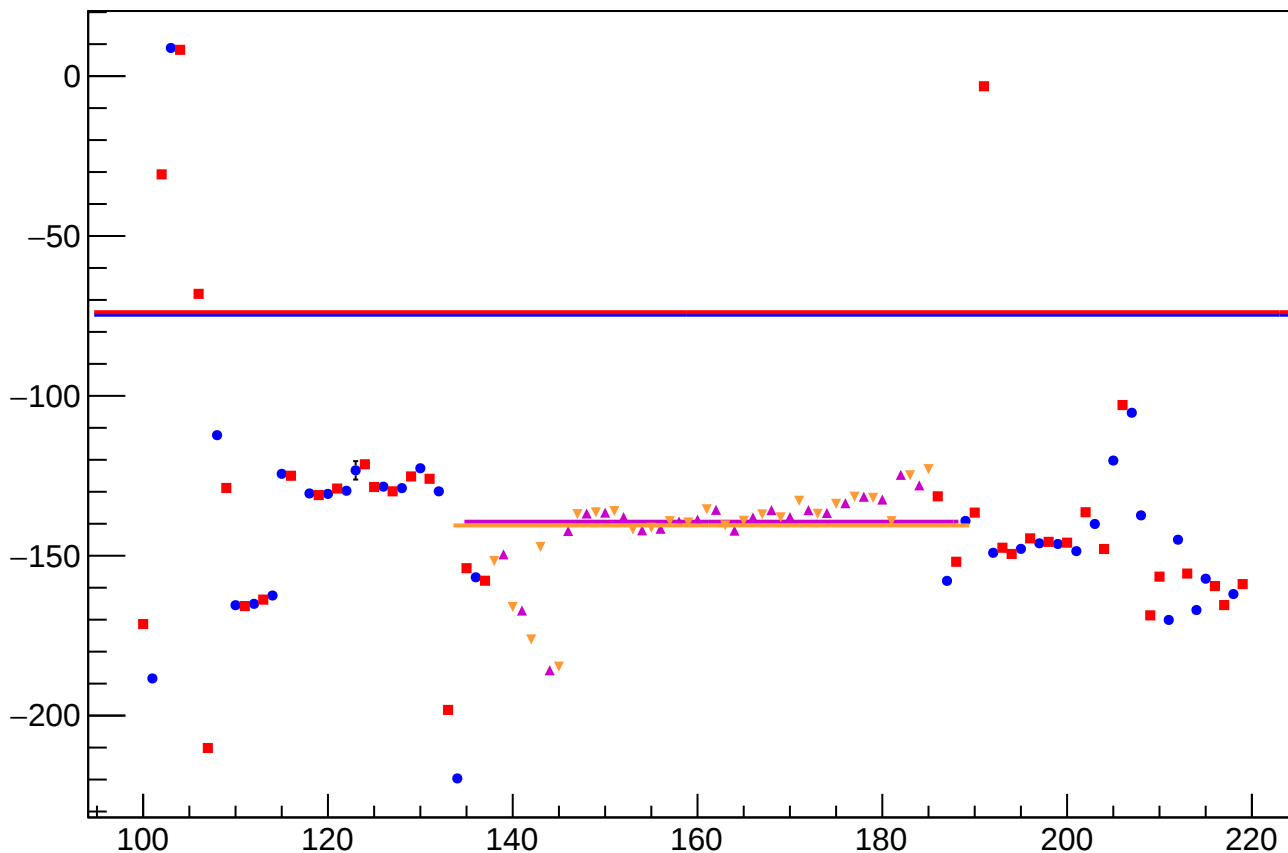
Left In: 63.999 $\pm$ 0.963 χ^2/NDF :799.5/22

+ sign 60.275 $\pm$ 0.793 χ^2/NDF : 2217.6/57

All: 57.800 $\pm$ 0.561 χ^2/NDF : 4256.2/117

- sign 55.316 $\pm$ 0.794 χ^2/NDF : 2019.0/59

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -74.618 ± 0.061 χ^2/NDF : 1623744.6/32

Left Out: -140.519 ± 0.045 χ^2/NDF : 77489.0/24

Right Out: -73.836 ± 0.060 χ^2/NDF : 1465971.0/36

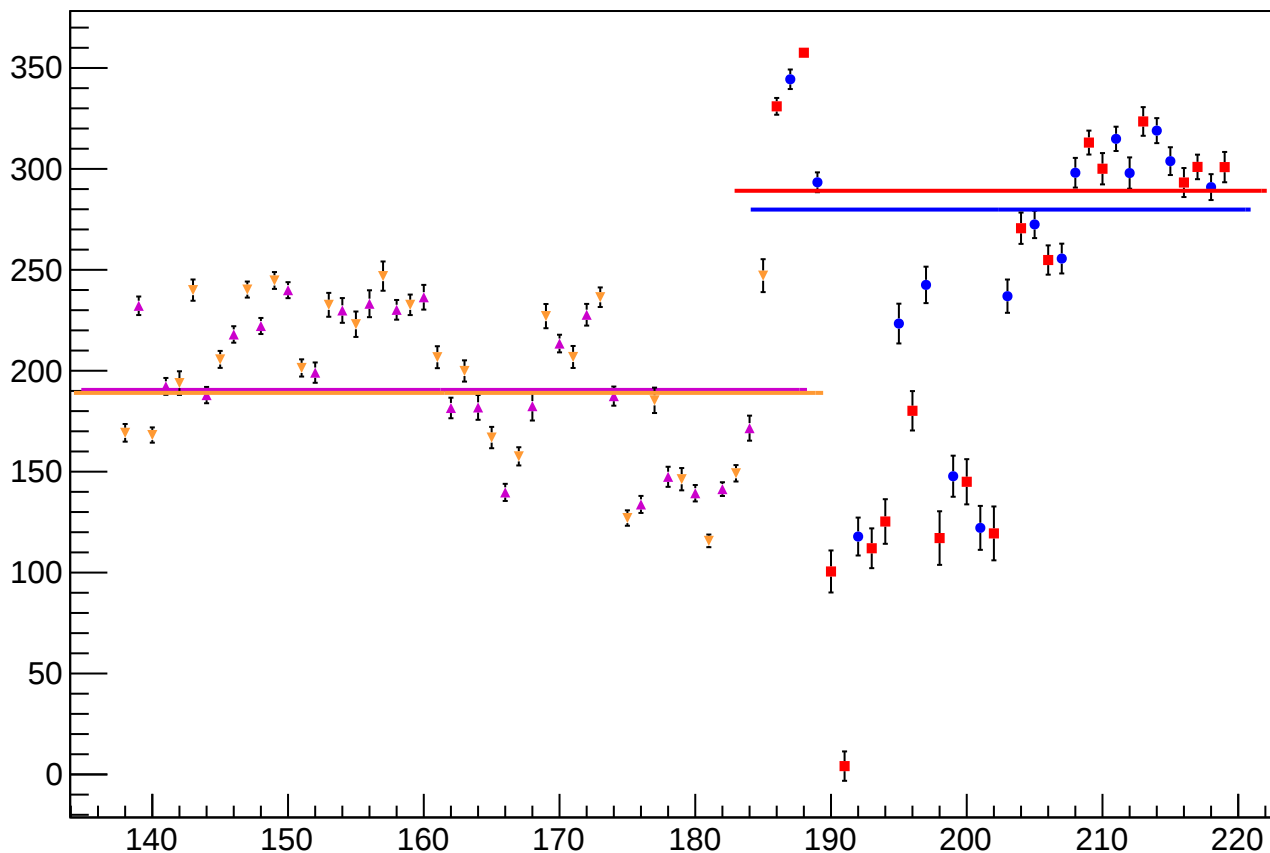
Left In: -139.360 ± 0.045 χ^2/NDF : 62449.0/22

+ sign -117.746 ± 0.036 χ^2/NDF : 2457282.4/57

All: -116.694 ± 0.025 χ^2/NDF : 4754339.9/11

- sign -115.648 ± 0.036 χ^2/NDF : 2295358.4/59

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 279.851 $\pm$ 1.754 χ^2/NDF : 1050.6/15

Left Out: 189.030 $\pm$ 0.956 χ^2/NDF : 1980.9/24

Right Out: 289.162 $\pm$ 1.477 χ^2/NDF : 3947.6/17

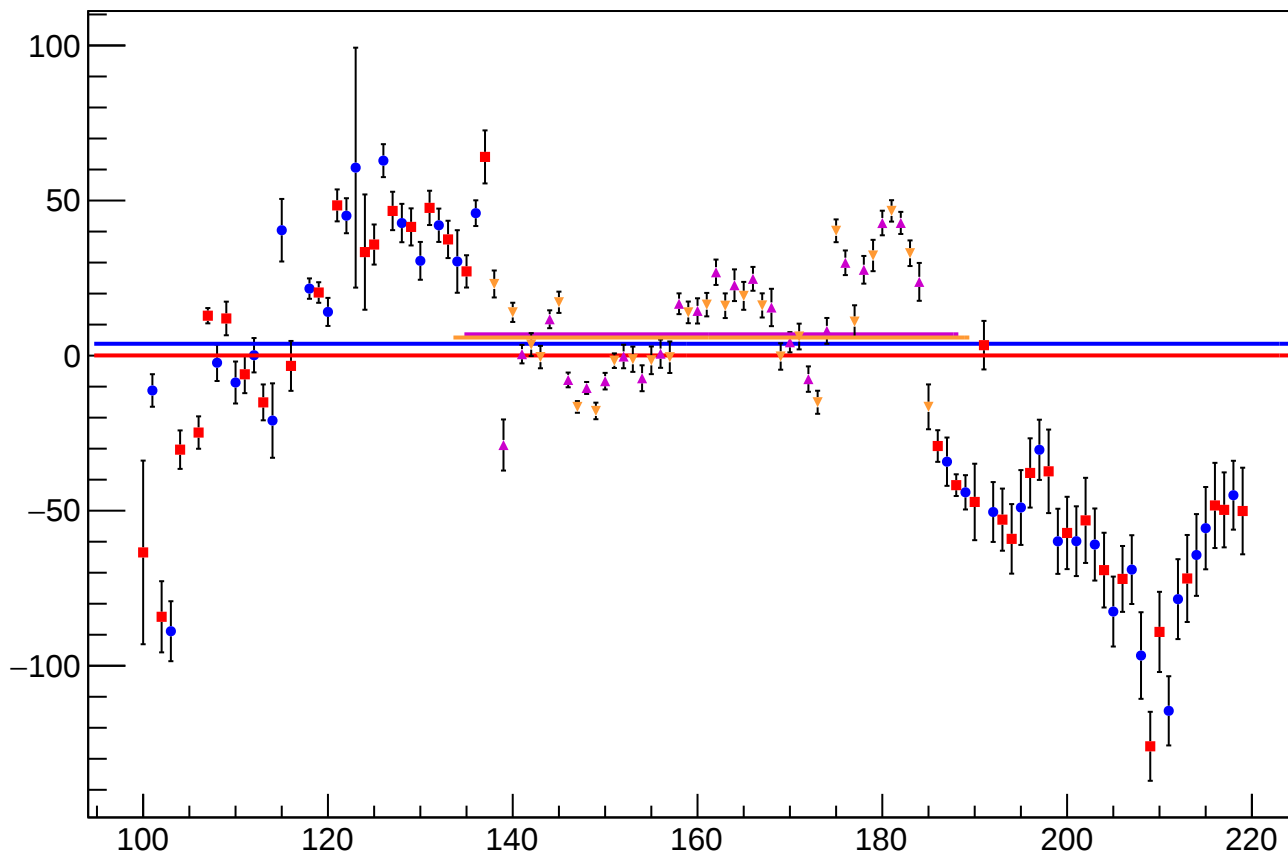
Left In: 190.506 $\pm$ 0.975 χ^2/NDF : 1412.7/22

+ sign 209.825 $\pm$ 0.839 χ^2/NDF : 5098.5/40

All: 215.298 $\pm$ 0.584 χ^2/NDF : 13647.8/81

- sign 220.444 $\pm$ 0.814 χ^2/NDF : 8466.8/40

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 3.820 ± 1.223 $\chi^2/\text{NDF}: 1190.4/32$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 0.054 ± 1.053 $\chi^2/\text{NDF}: 1233.0/36$

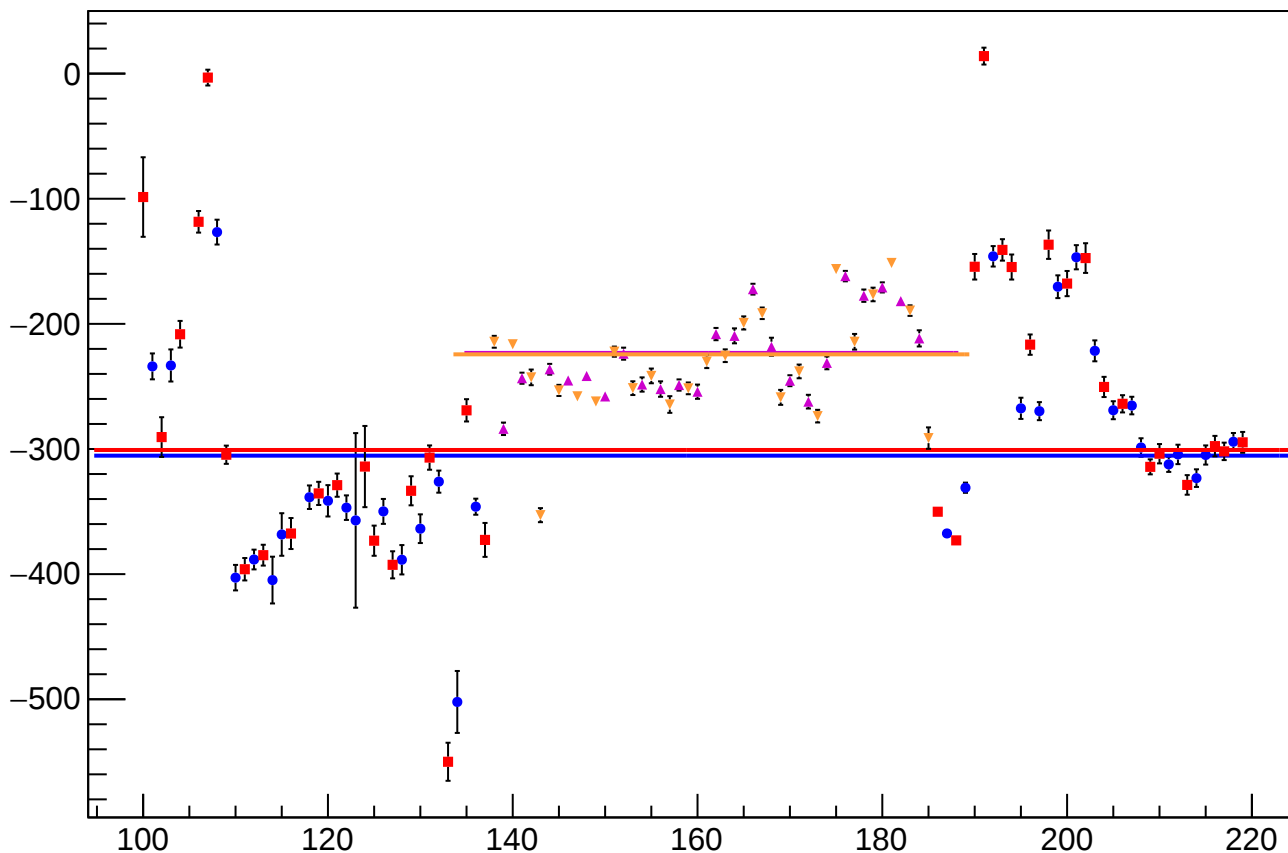
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 5.324 ± 0.616 $\chi^2/\text{NDF}: 1844.6/57$

All: 4.969 ± 0.431 $\chi^2/\text{NDF}: 3629.1/117$

- sign 4.627 ± 0.603 $\chi^2/\text{NDF}: 1783.8/59$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -305.327 ± 1.389 $\chi^2/\text{NDF}: 2259.6/32$

Left Out: -224.364 ± 0.956 $\chi^2/\text{NDF}: 2103.2/24$

Right Out: -300.791 ± 1.143 $\chi^2/\text{NDF}: 8678.3/36$

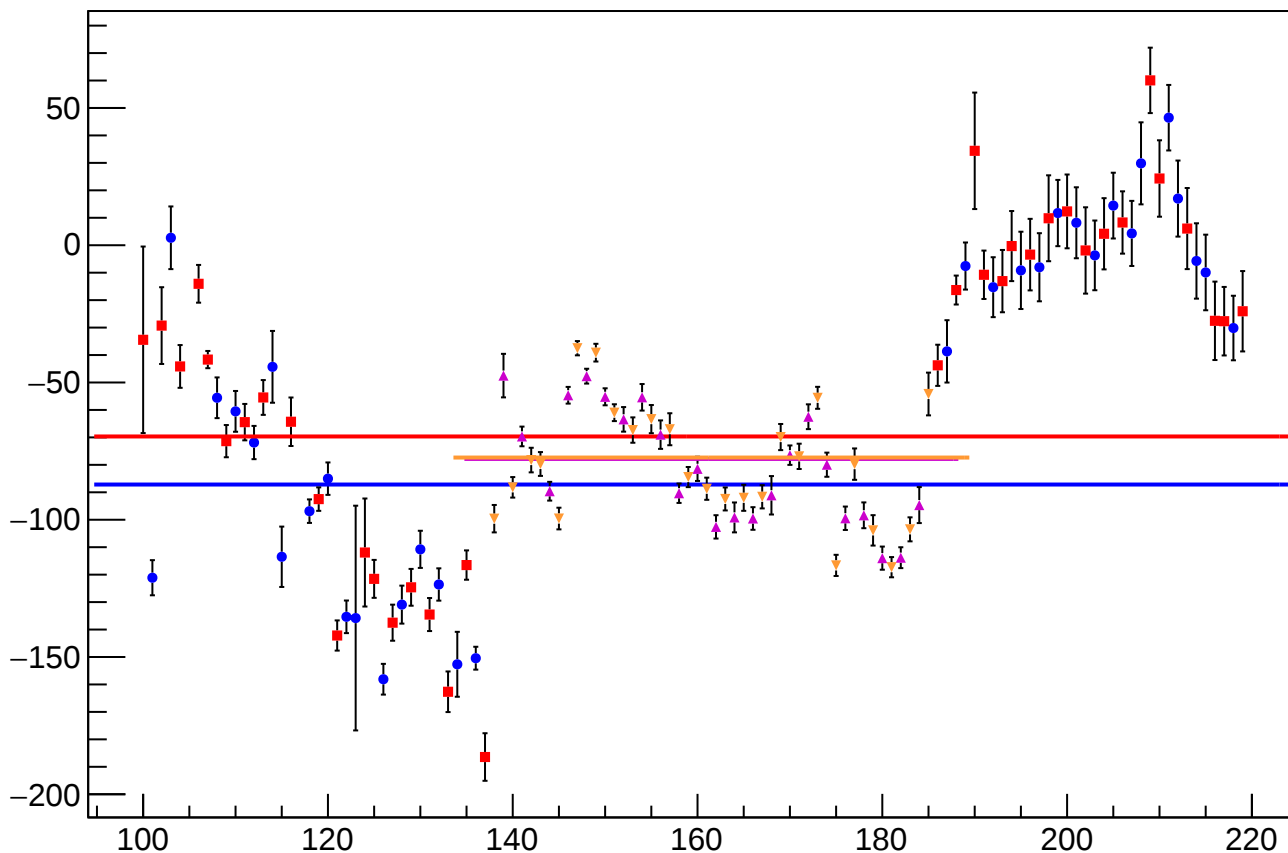
Left In: -223.223 ± 0.969 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -250.383 ± 0.788 $\chi^2/\text{NDF}: 6667.6/57$

All: -253.185 ± 0.539 $\chi^2/\text{NDF}: 19317.3/117$

- sign -255.654 ± 0.739 $\chi^2/\text{NDF}: 12625.8/59$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -87.173 ± 1.415 $\chi^2/\text{NDF}: 1577.7/32$

Left Out: -77.343 ± 0.827 $\chi^2/\text{NDF}: 846.2/24$

Right Out: -69.663 ± 1.255 $\chi^2/\text{NDF}: 1785.8/36$

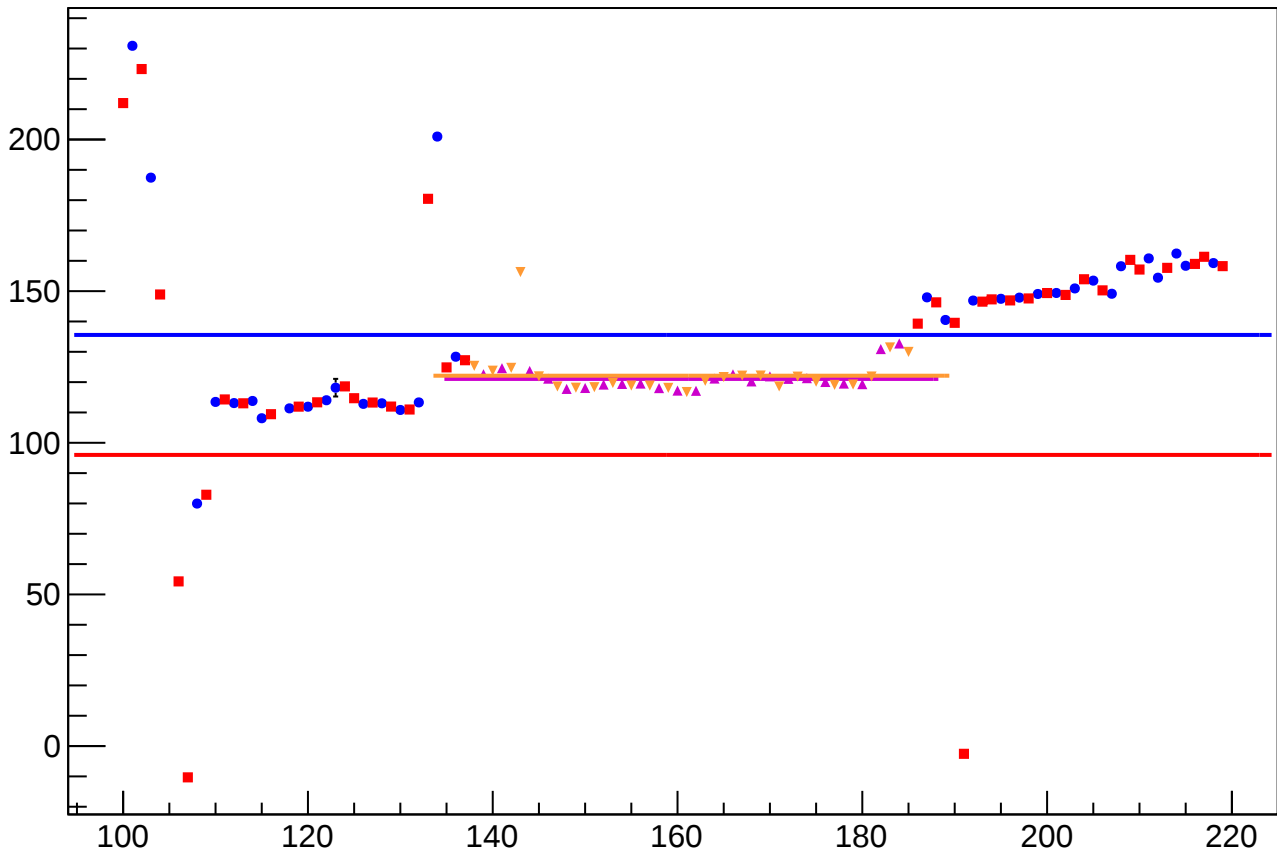
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -79.843 ± 0.714 $\chi^2/\text{NDF}: 2459.9/57$

All: -77.524 ± 0.501 $\chi^2/\text{NDF}: 4918.4/117$

- sign -75.274 ± 0.703 $\chi^2/\text{NDF}: 2437.7/59$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.563 $\pm$ 0.072 χ^2 /NDF: 213056.0/32

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 96.004 $\pm$ 0.061 χ^2 /NDF: 1180432.9/36

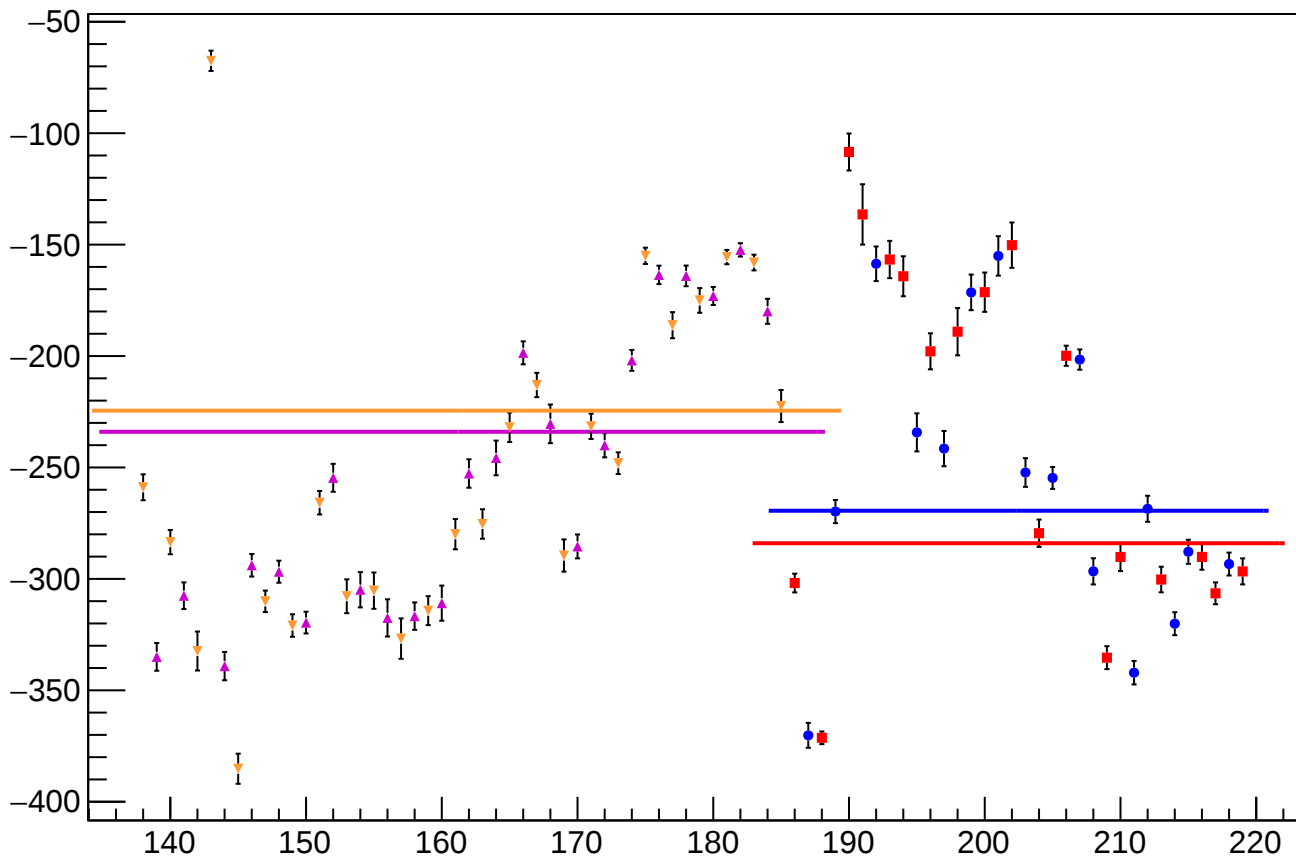
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 125.237 $\pm$ 0.035 χ^2 /NDF: 270521.6/57

All: 119.193 $\pm$ 0.024 χ^2 /NDF: 1636506.4/117

- sign 113.581 $\pm$ 0.033 χ^2 /NDF: 1306943.6/59

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



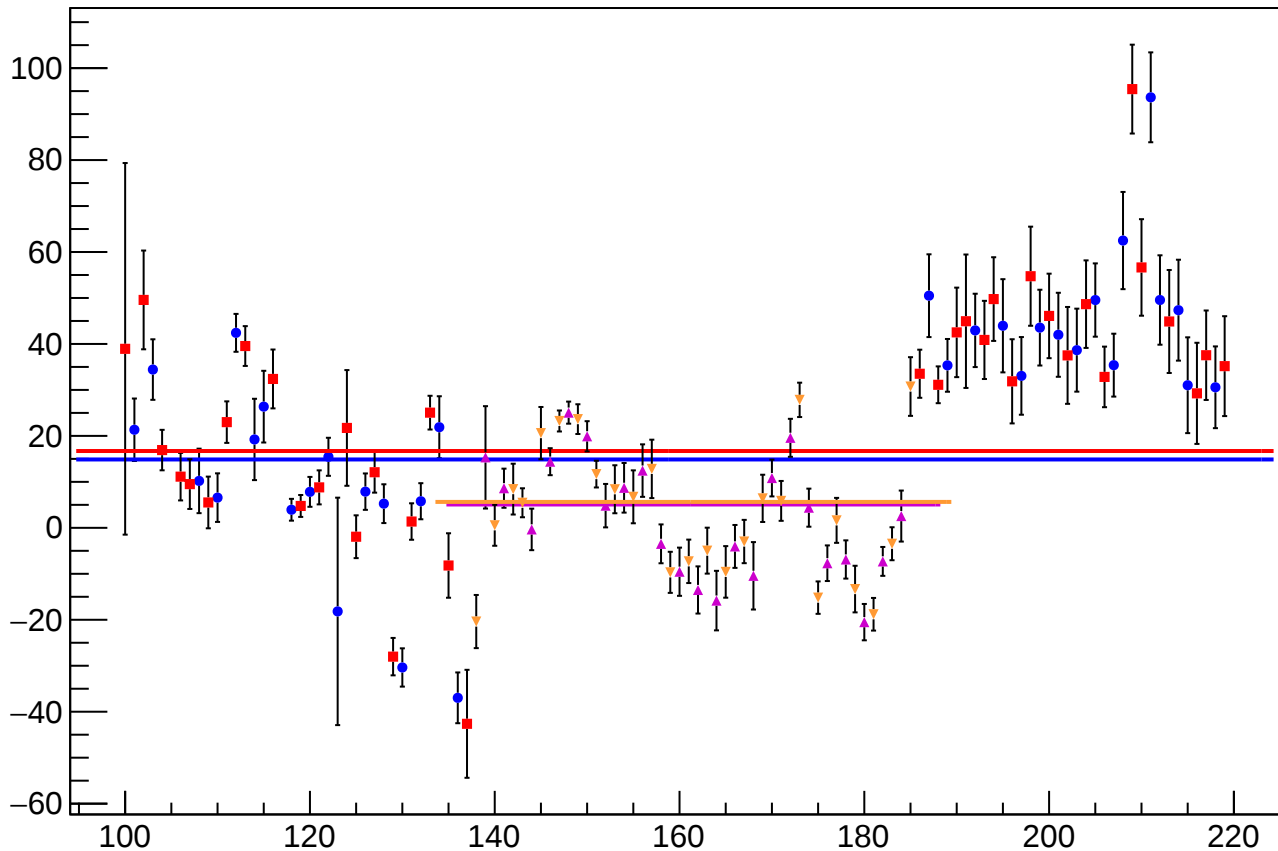
+ sign -240.197 ± 0.870 $\chi^2/\text{NDF}: 6931.7/40$

All: -247.190 ± 0.611 $\chi^2/\text{NDF}: 14355.9/81$

- sign -253.997 ± 0.859 $\chi^2/\text{NDF}: 7296.8/40$

Right In: -269.417 ± 1.472 $\chi^2/\text{NDF}: 1455.7/15$
 Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$
 Right Out: -284.002 ± 1.358 $\chi^2/\text{NDF}: 2944.1/17$
 Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.871 ± 0.982 $\chi^2/\text{NDF}: 530.2/32$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 16.711 ± 0.937 $\chi^2/\text{NDF}: 476.2/36$

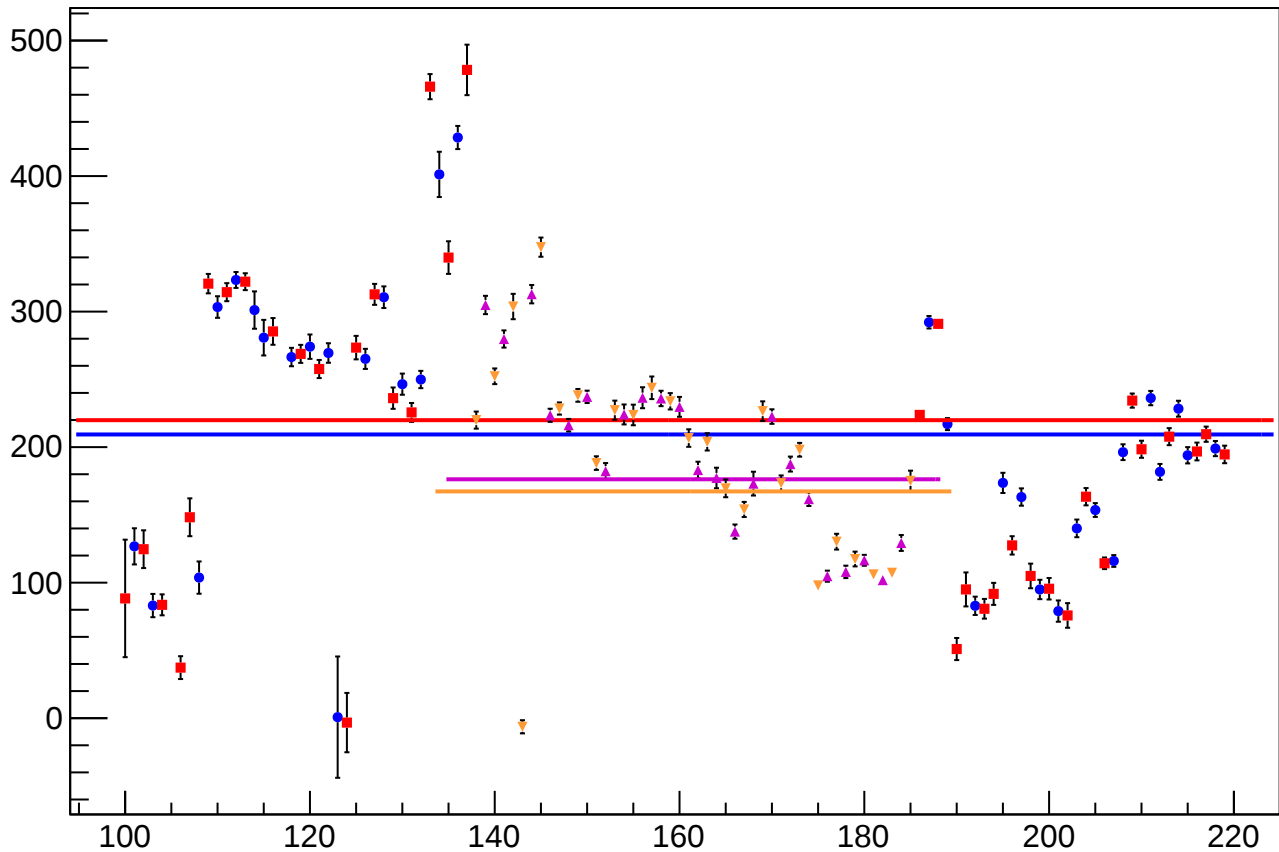
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 9.475 ± 0.633 $\chi^2/\text{NDF}: 895.5/57$

All: 9.963 ± 0.449 $\chi^2/\text{NDF}: 1695.4/117$

- sign 10.457 ± 0.637 $\chi^2/\text{NDF}: 798.8/59$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 209.345 $\pm$ 1.174 χ^2 /NDF: 4264.4/32

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 219.889 $\pm$ 1.057 χ^2 /NDF: 6629.3/36

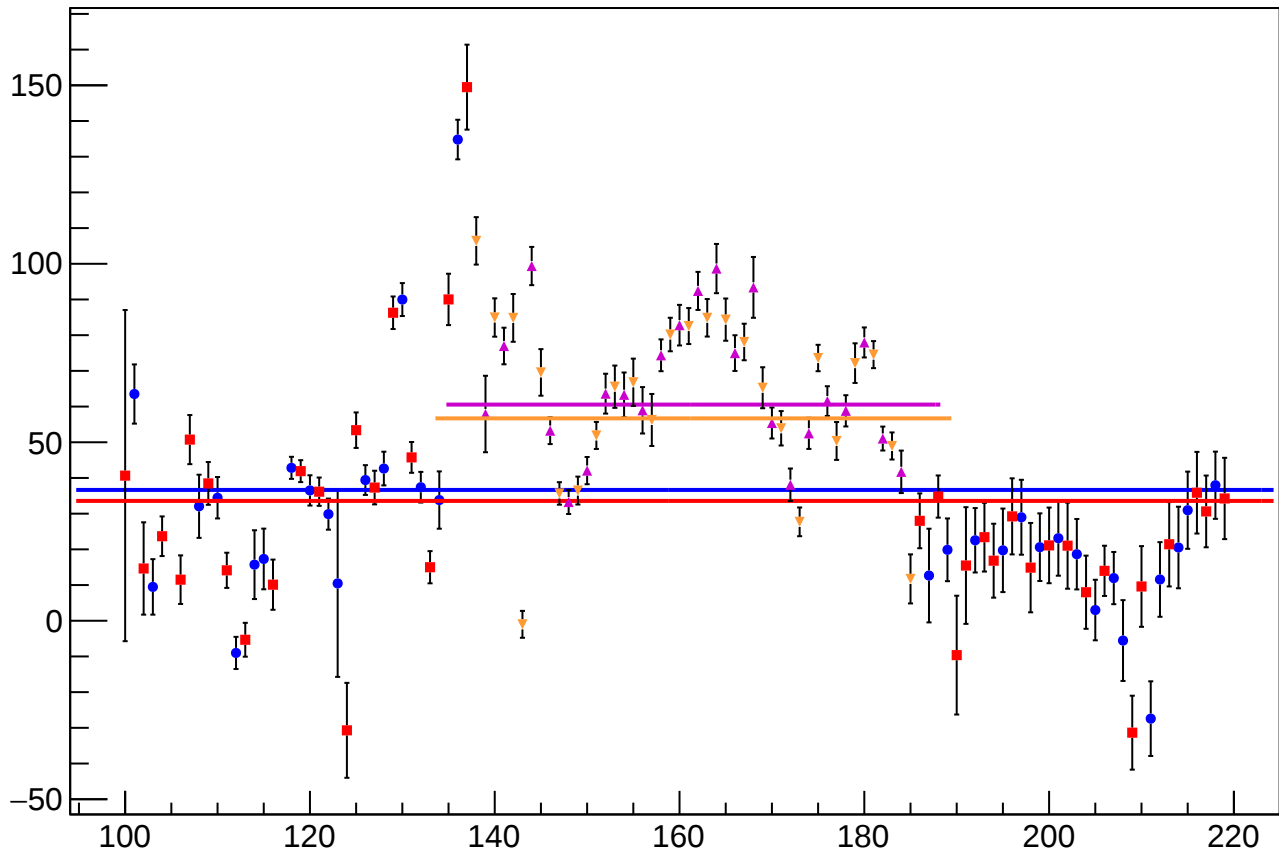
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 186.626 $\pm$ 0.796 χ^2 /NDF: 9410.9/57

All: 193.095 $\pm$ 0.551 χ^2 /NDF: 20149.5/117

- sign 199.058 $\pm$ 0.764 χ^2 /NDF: 10611.7/59

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.648 $\pm$ 1.134 χ^2/NDF : 698.9/32

Left Out: 56.695 $\pm$ 0.952 χ^2/NDF : 690.4/24

Right Out: 33.572 $\pm$ 1.093 χ^2/NDF : 555.6/36

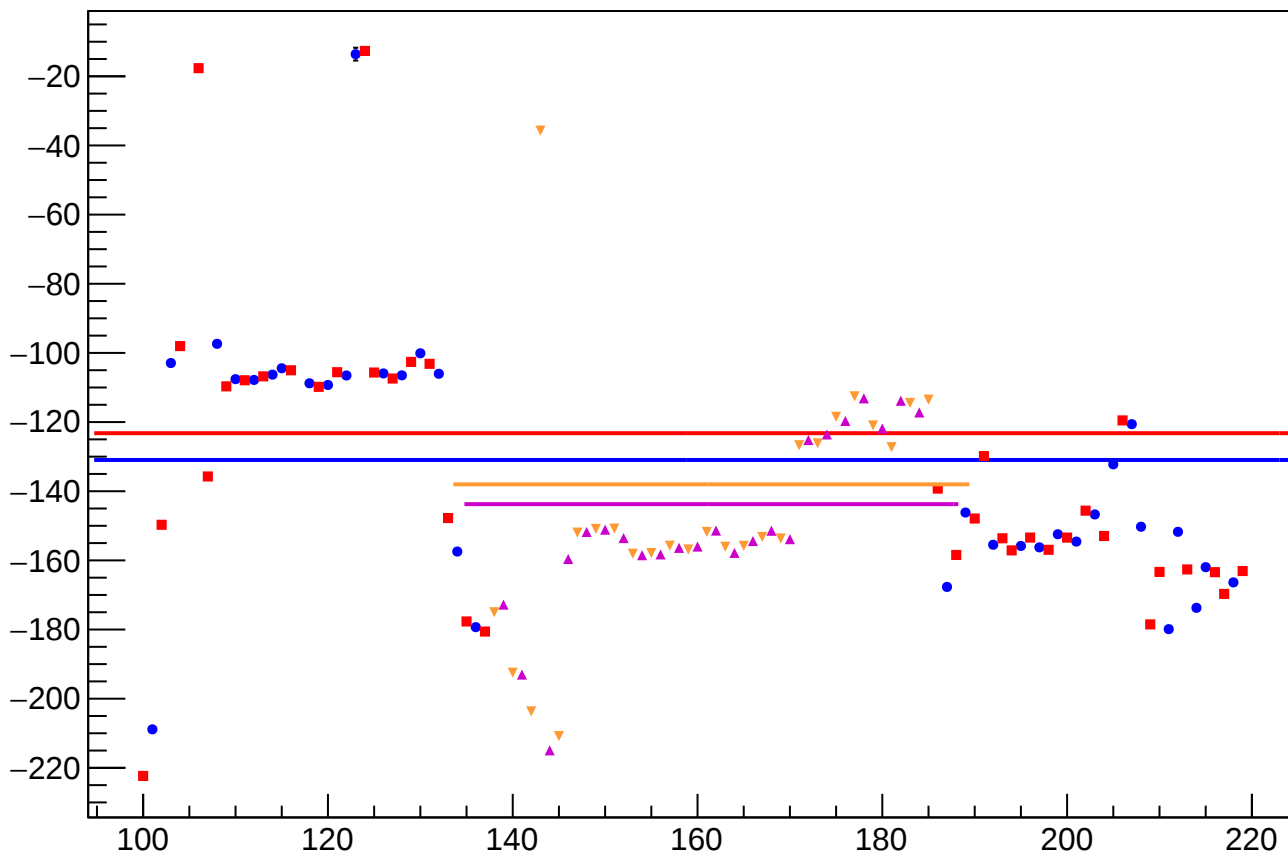
Left In: 60.555 $\pm$ 0.990 χ^2/NDF : 335.6/22

+ sign 48.410 $\pm$ 0.729 χ^2/NDF : 1572.7/57

All: 48.402 $\pm$ 0.517 χ^2/NDF : 2798.7/117

- sign 48.394 $\pm$ 0.734 χ^2/NDF : 1226.0/59

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -130.959+/-0.060 χ^2/NDF : 233872.5/32

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -123.217+/-0.057 χ^2/NDF : 494161.9/36

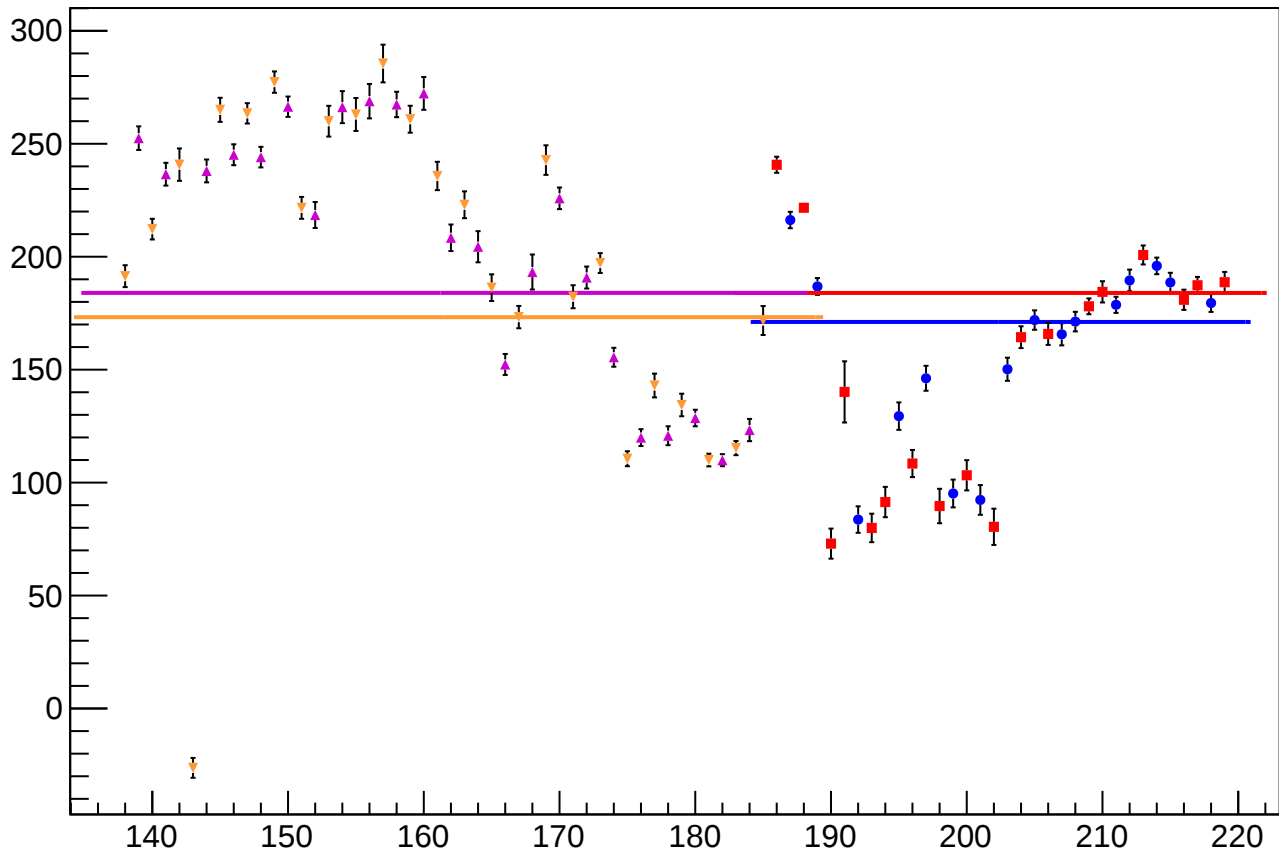
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -135.484+/-0.036 χ^2/NDF : 808377.5/57

All: -135.554+/-0.025 χ^2/NDF : 1639280.1/11

- sign -135.623+/-0.036 χ^2/NDF : 830895.2/59

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 171.123 ± 1.126 $\chi^2/\text{NDF}: 862.0/15$

Left Out: 173.229 ± 0.966 $\chi^2/\text{NDF}: 5846.0/24$

Right Out: 183.962 ± 1.018 $\chi^2/\text{NDF}: 2088.9/17$

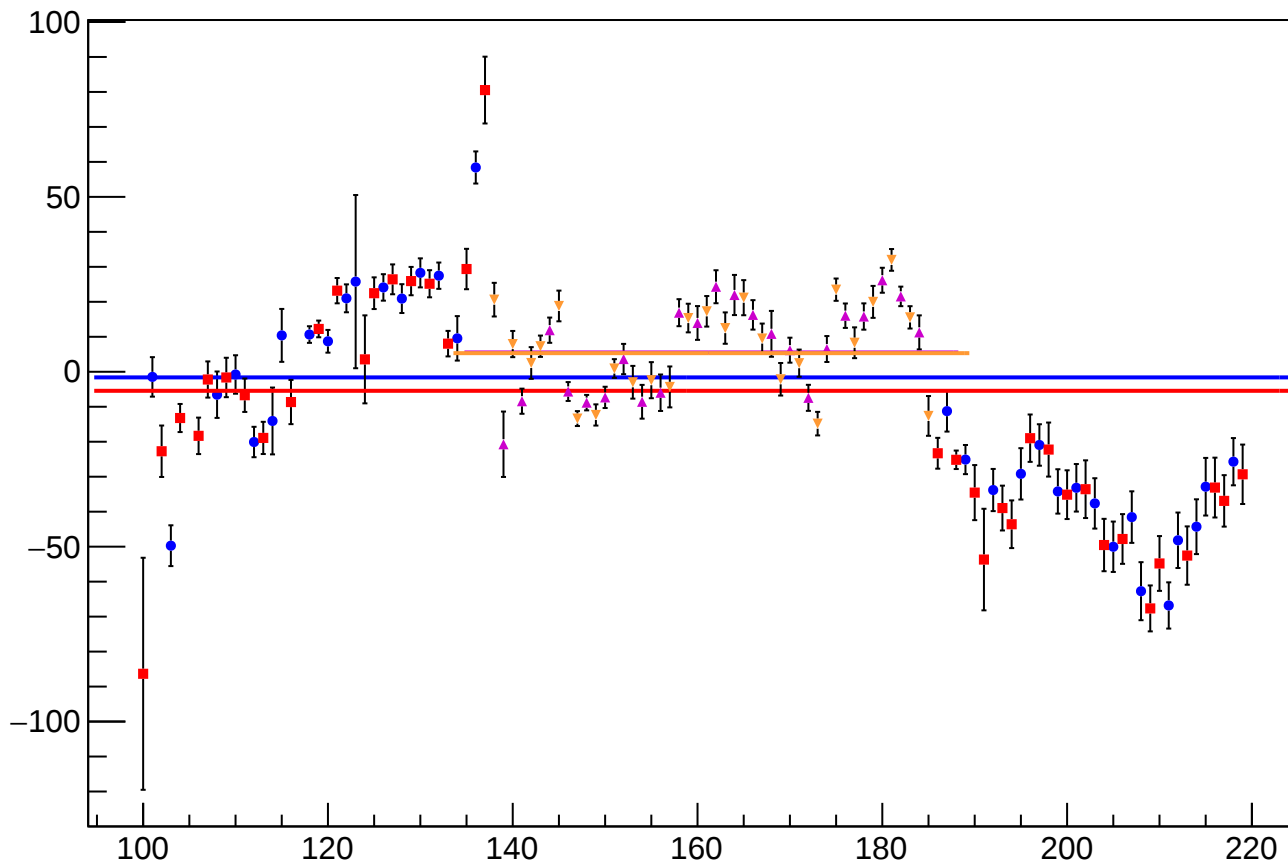
Left In: 183.984 ± 0.991 $\chi^2/\text{NDF}: 3613.7/22$

+ sign 172.337 ± 0.733 $\chi^2/\text{NDF}: 6710.0/40$

All: 178.339 ± 0.510 $\chi^2/\text{NDF}: 12542.6/81$

- sign 183.973 ± 0.710 $\chi^2/\text{NDF}: 5702.6/40$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.609 ± 0.900 $\chi^2/\text{NDF}: 1000.7/32$

Left Out: 5.321 ± 0.747 $\chi^2/\text{NDF}: 345.5/24$

Right Out: -5.443 ± 0.851 $\chi^2/\text{NDF}: 958.4/36$

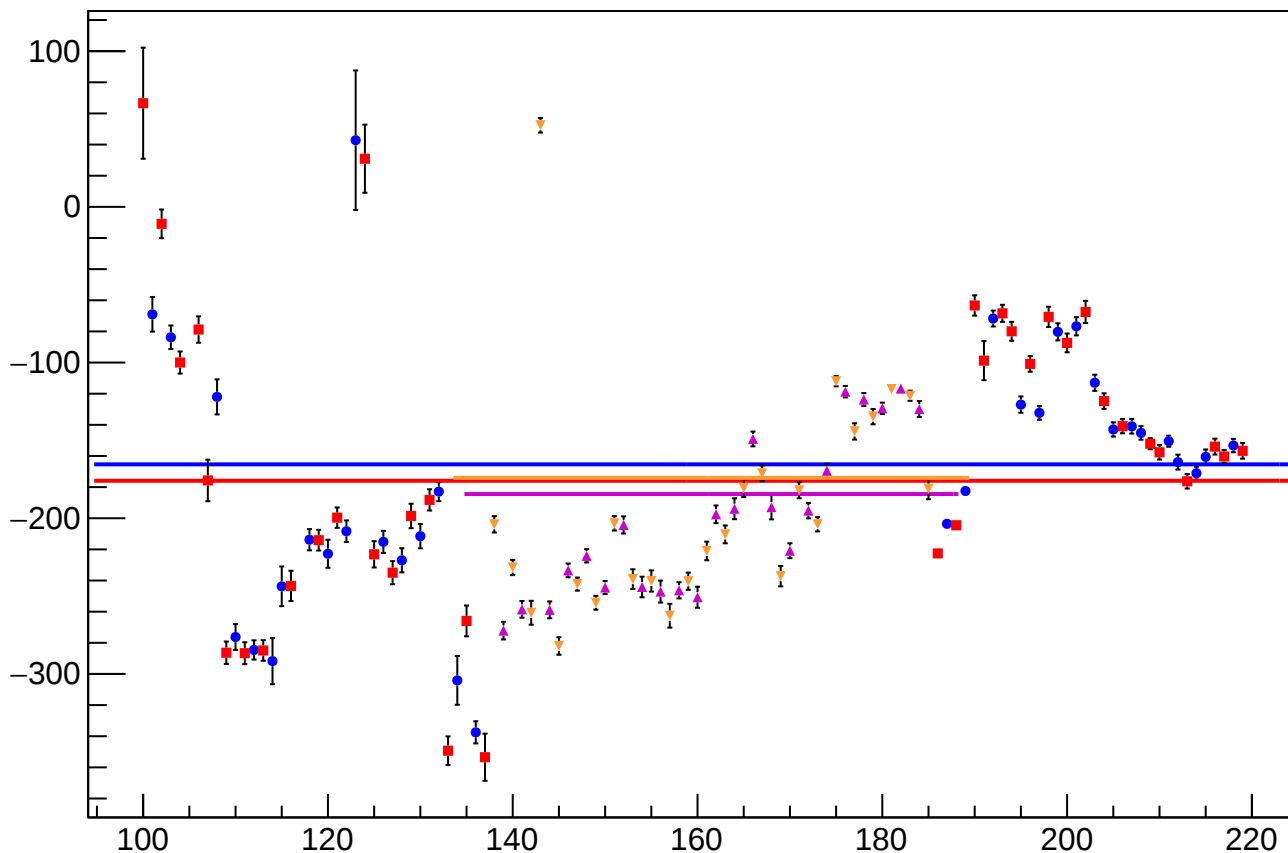
Left In: 5.527 ± 0.781 $\chi^2/\text{NDF}: 256.3/22$

+ sign 2.493 ± 0.575 $\chi^2/\text{NDF}: 1381.4/57$

All: 1.502 ± 0.407 $\chi^2/\text{NDF}: 2692.3/117$

- sign 0.510 ± 0.575 $\chi^2/\text{NDF}: 1305.0/59$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -165.387 ± 0.950 χ^2/NDF : 3151.3/32

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -175.918 ± 0.836 χ^2/NDF : 5034.7/36

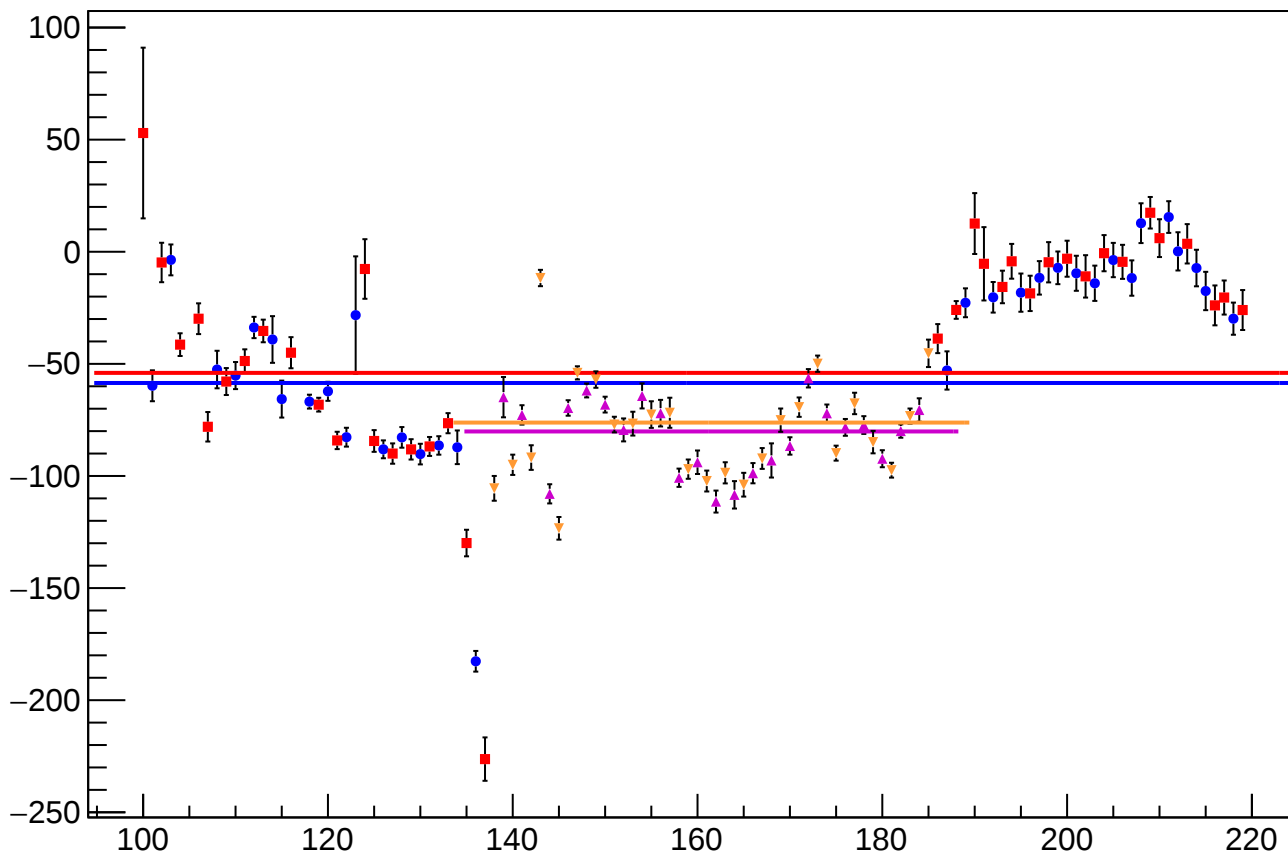
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -169.630 ± 0.679 χ^2/NDF : 8635.4/57

All: -174.848 ± 0.465 χ^2/NDF : 16876.4/117

- sign -179.471 ± 0.639 χ^2/NDF : 8129.6/59

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -58.523 ± 1.042 χ^2/NDF : 1685.1/32

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -54.020 ± 1.003 χ^2/NDF : 1500.6/36

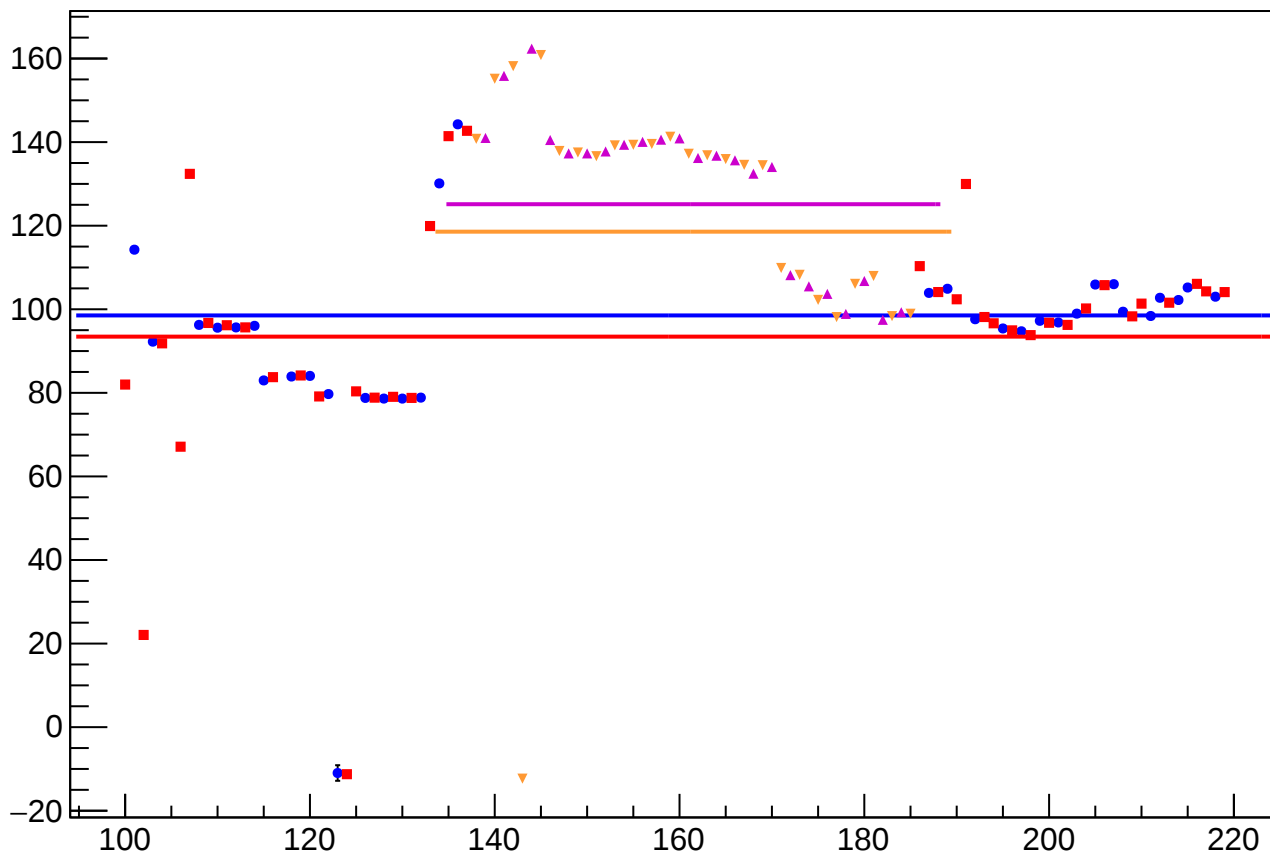
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -69.052 ± 0.662 χ^2/NDF : 2657.4/57

All: -68.851 ± 0.469 χ^2/NDF : 4821.7/117

- sign -68.647 ± 0.665 χ^2/NDF : 2164.1/59

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.525+/-0.052 χ^2/NDF : 96655.5/32

Left Out: 118.569+/-0.040 χ^2/NDF : 728689.7/24

Right Out: 93.452+/-0.049 χ^2/NDF : 245951.5/36

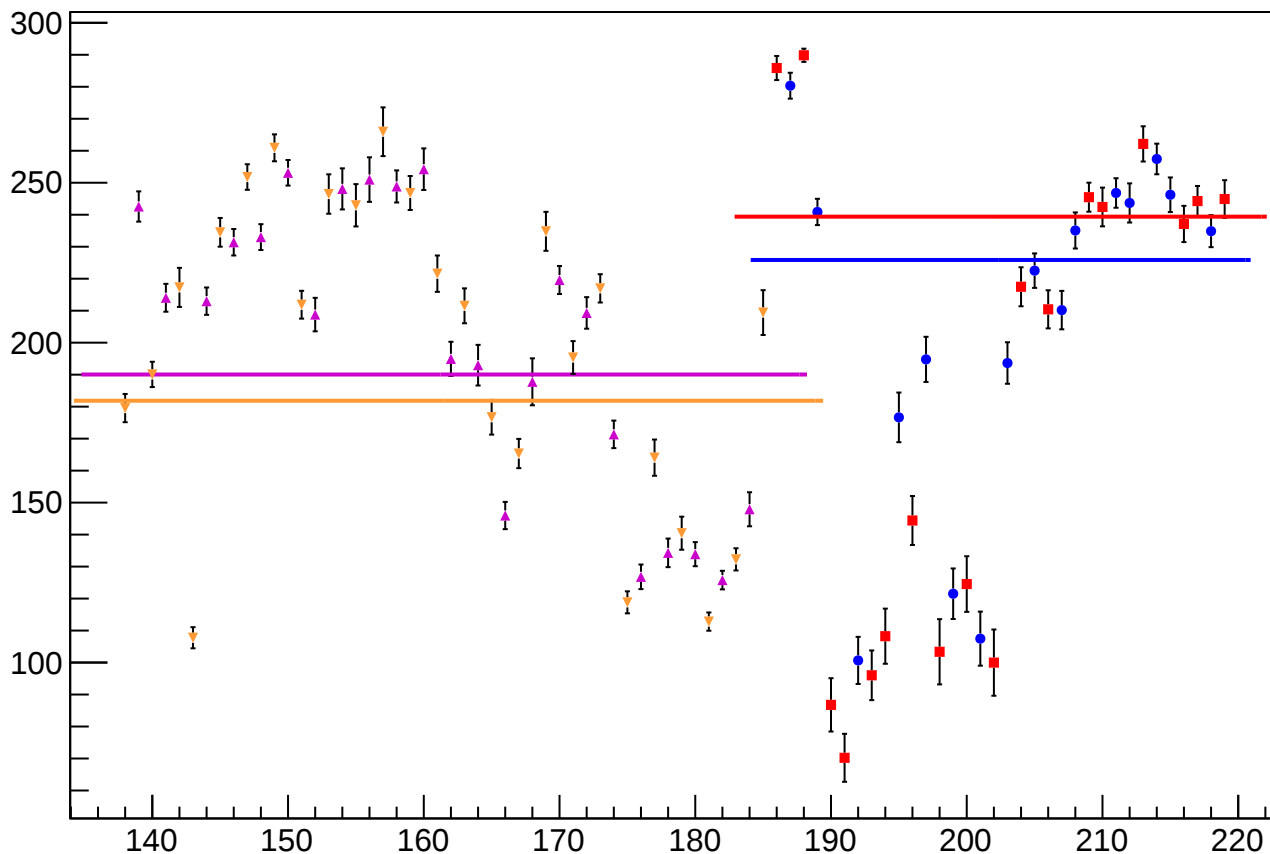
Left In: 125.139+/-0.041 χ^2/NDF : 220927.1/22

+ sign 111.085+/-0.032 χ^2/NDF : 916823.6/57

All: 111.613+/-0.023 χ^2/NDF : 1626124.2/117

- sign 112.129+/-0.032 χ^2/NDF : 708764.4/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 225.857 ± 1.395 χ^2/NDF : 1038.6/15

Left Out: 181.850 ± 0.913 χ^2/NDF : 3303.4/24

Right Out: 239.396 ± 1.209 χ^2/NDF : 2909.5/17

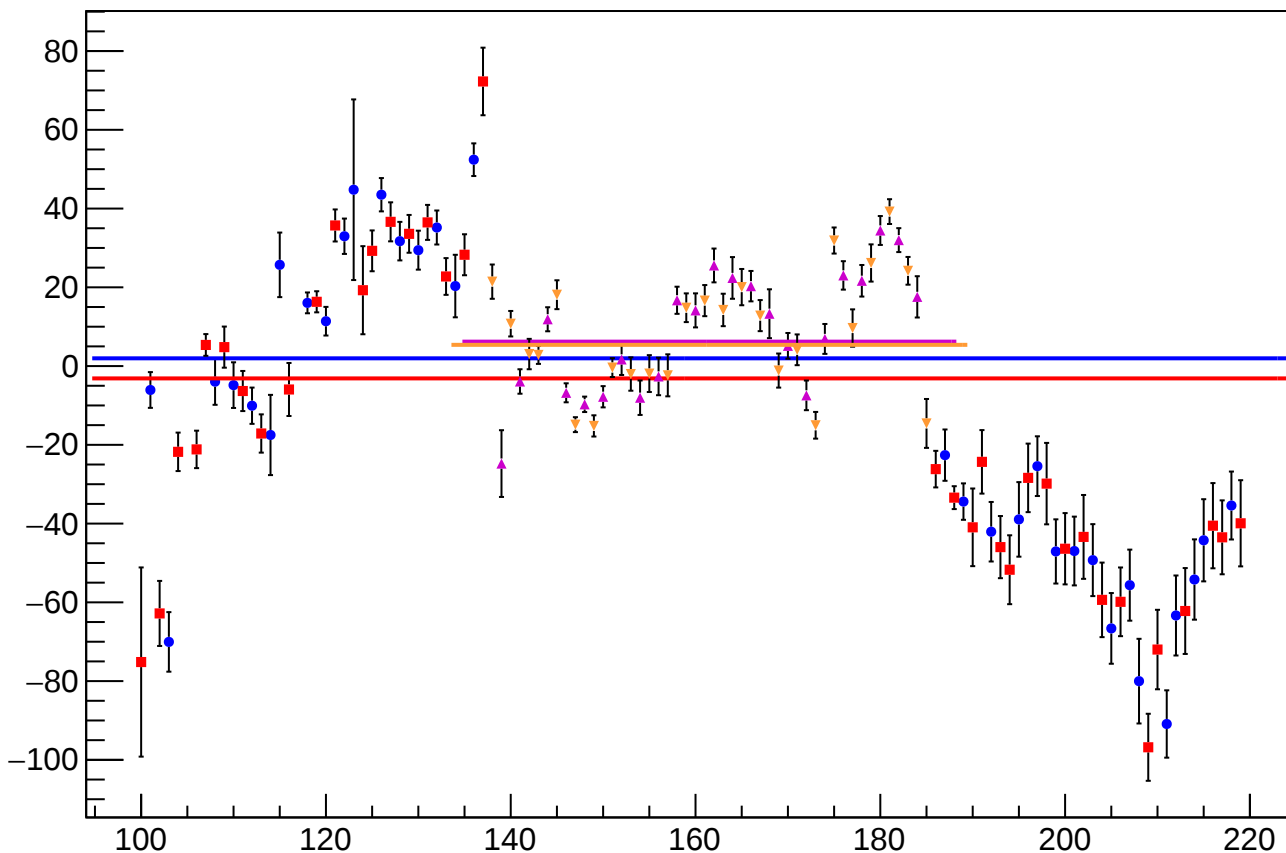
Left In: 190.048 ± 0.953 χ^2/NDF : 2438.4/22

+ sign 195.058 ± 0.764 χ^2/NDF : 5038.7/40

All: 202.156 ± 0.535 χ^2/NDF : 11583.7/81

- sign 208.964 ± 0.748 χ^2/NDF : 6376.0/40

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.969 ± 1.011 $\chi^2/\text{NDF}: 1204.2/32$

Left Out: 5.394 ± 0.688 $\chi^2/\text{NDF}: 526.5/24$

Right Out: -3.131 ± 0.914 $\chi^2/\text{NDF}: 1228.4/36$

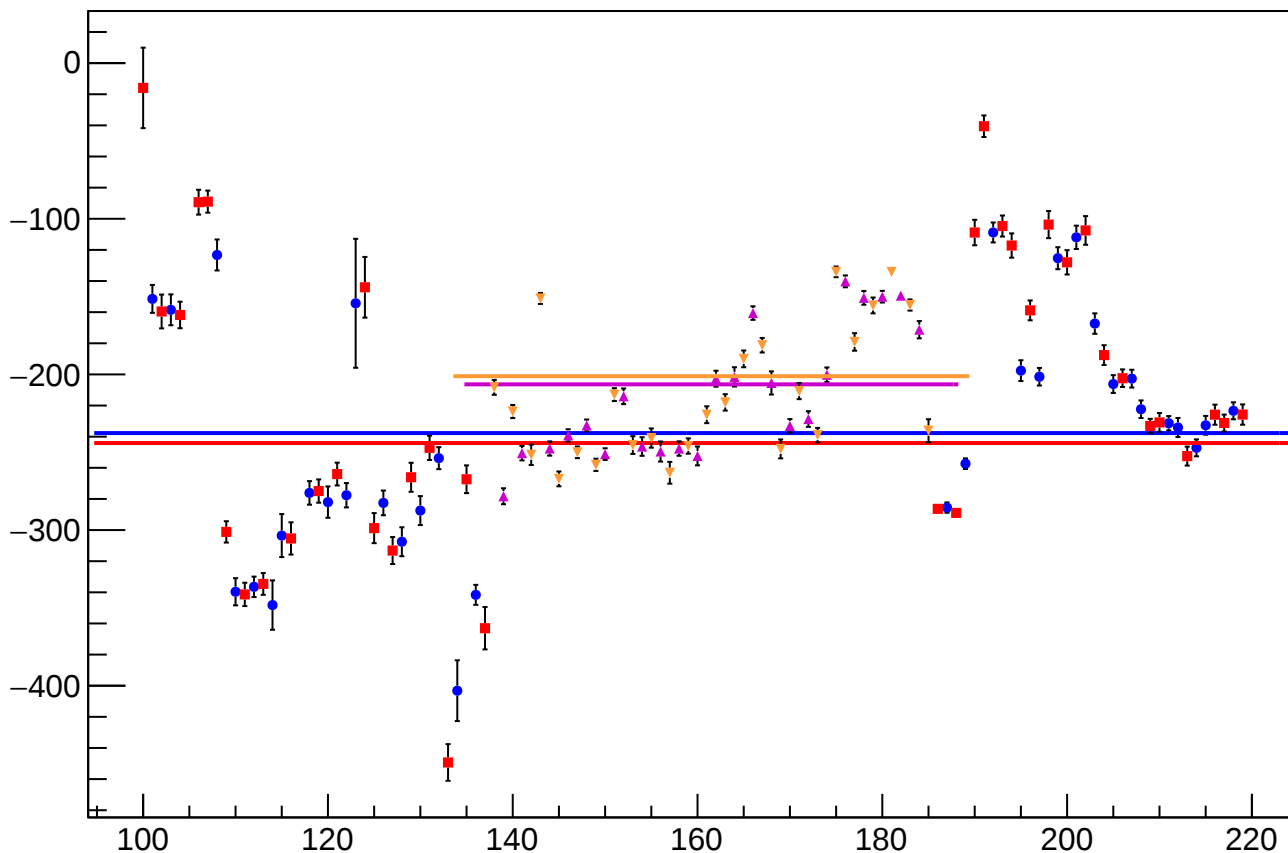
Left In: 6.206 ± 0.732 $\chi^2/\text{NDF}: 407.5/22$

+ sign 4.310 ± 0.569 $\chi^2/\text{NDF}: 1738.6/57$

All: 3.438 ± 0.403 $\chi^2/\text{NDF}: 3442.9/117$

- sign 2.559 ± 0.571 $\chi^2/\text{NDF}: 1699.6/59$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -237.688+/-1.129 χ^2/NDF : 2714.2/32

Left Out: -201.144+/-0.918 χ^2/NDF : 2488.8/24

Right Out: -244.081+/-0.955 χ^2/NDF : 5859.9/36

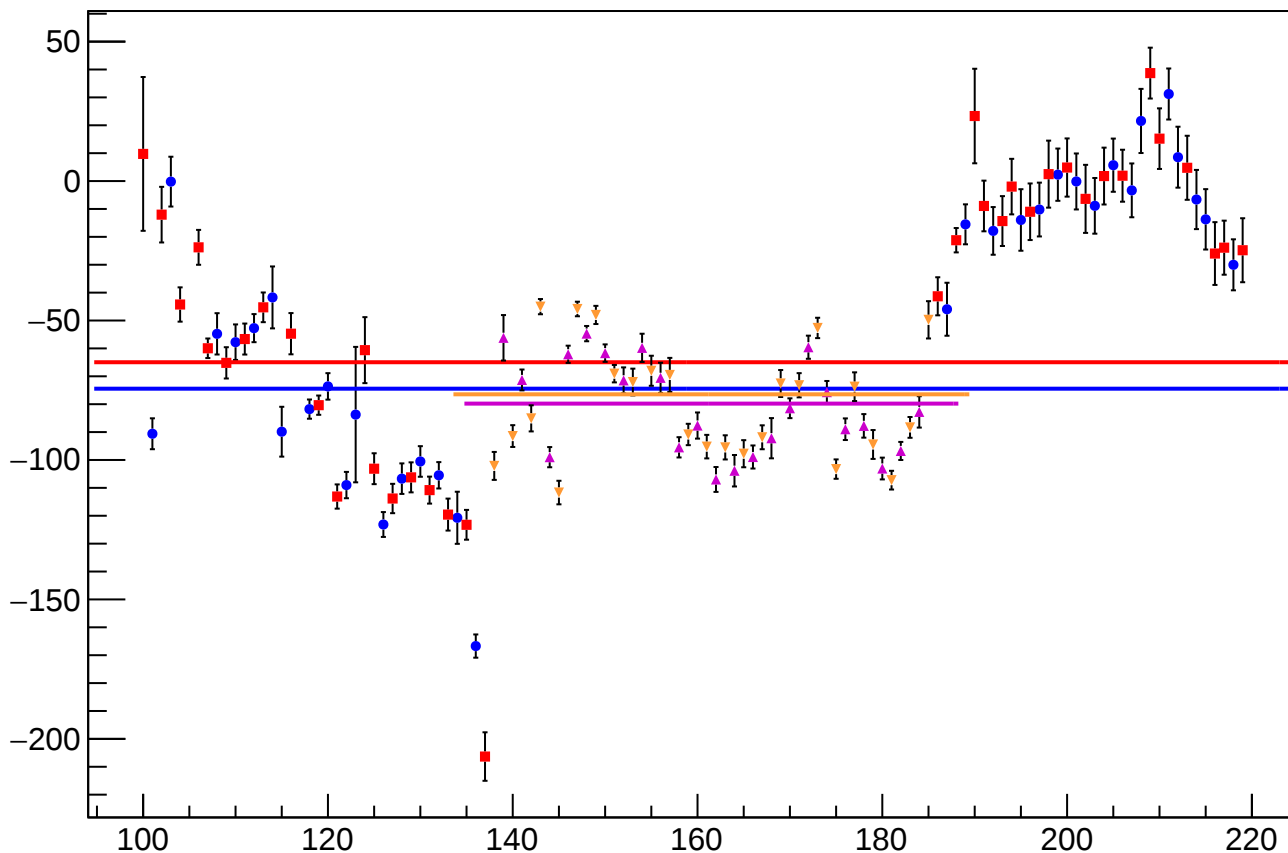
Left In: -206.379+/-0.950 χ^2/NDF : 2111.6/22

+ sign -215.687+/-0.712 χ^2/NDF : 5833.9/57

All: -220.672+/-0.489 χ^2/NDF : 14682.0/117

- sign -225.127+/-0.673 χ^2/NDF : 8755.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -74.442 ± 1.172 χ^2/NDF : 1756.7/32

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -64.957 ± 1.084 χ^2/NDF : 1744.0/36

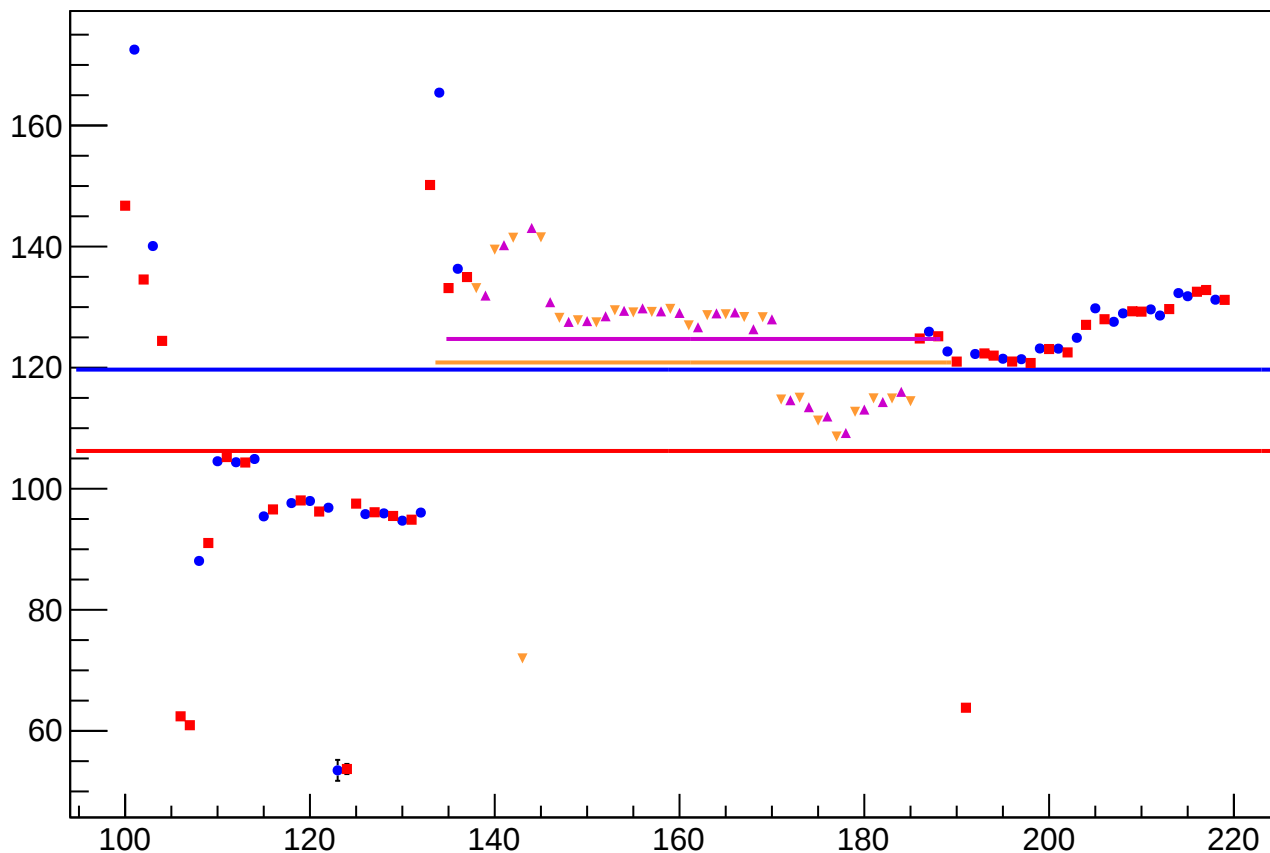
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -75.822 ± 0.659 χ^2/NDF : 2540.1/57

All: -75.031 ± 0.468 χ^2/NDF : 4816.3/117

- sign -74.228 ± 0.664 χ^2/NDF : 2273.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.677 $\pm$ 0.060 χ^2 /NDF: 112392.9/32

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 106.238 $\pm$ 0.053 χ^2 /NDF: 255320.8/36

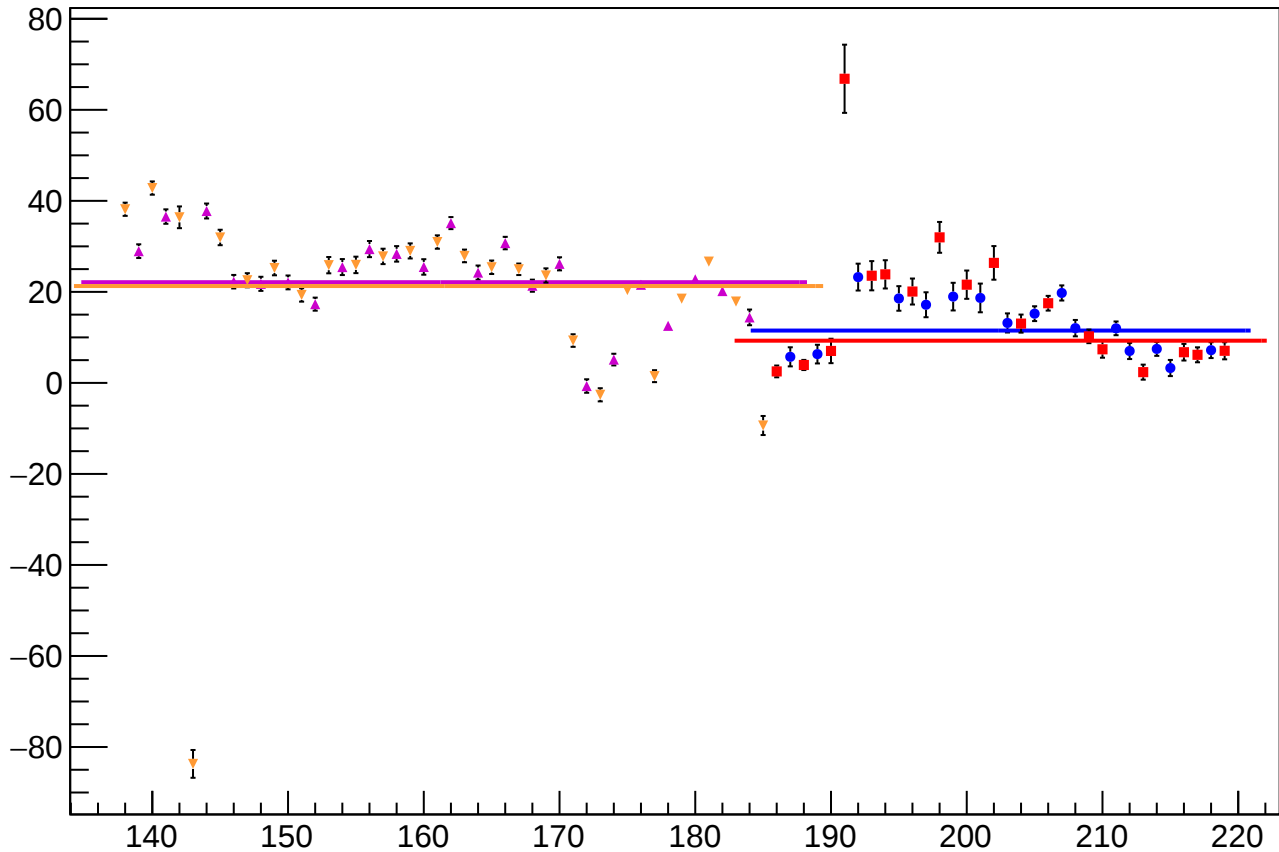
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 120.520 $\pm$ 0.032 χ^2 /NDF: 295425.0/57

All: 119.370 $\pm$ 0.023 χ^2 /NDF: 682356.5/117

- sign 118.259 $\pm$ 0.032 χ^2 /NDF: 384422.6/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 11.501 $\pm$ 0.490 χ^2 /NDF: 123.8/15

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF: 2600.5/24

Right Out: 9.276 $\pm$ 0.454 χ^2 /NDF: 303.3/17

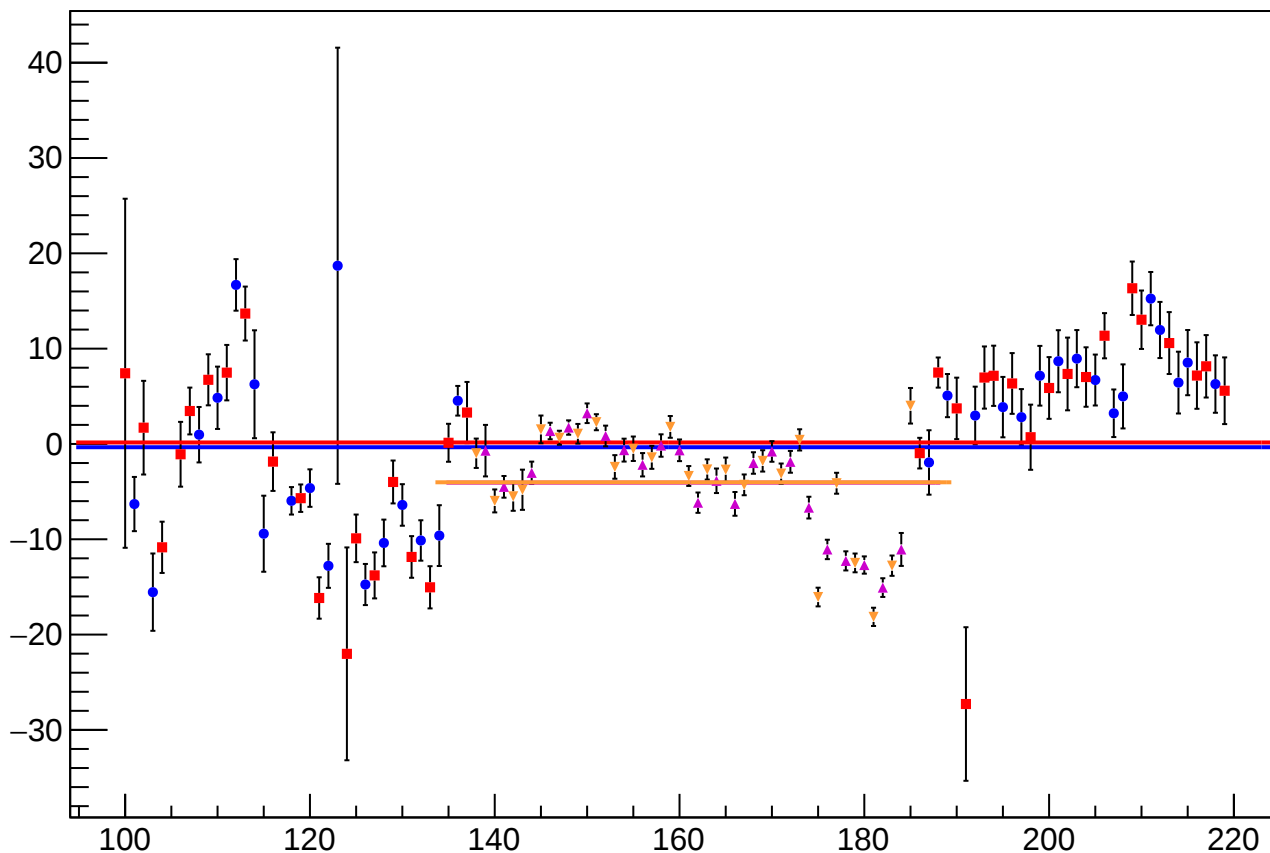
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 18.841 $\pm$ 0.245 χ^2 /NDF: 3023.6/40

All: 18.663 $\pm$ 0.172 χ^2 /NDF: 4801.6/81

- sign 18.490 $\pm$ 0.242 χ^2 /NDF: 1776.9/40

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.344 ± 0.460 $\chi^2/\text{NDF}: 334.9/32$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: 0.157 ± 0.437 $\chi^2/\text{NDF}: 418.1/36$

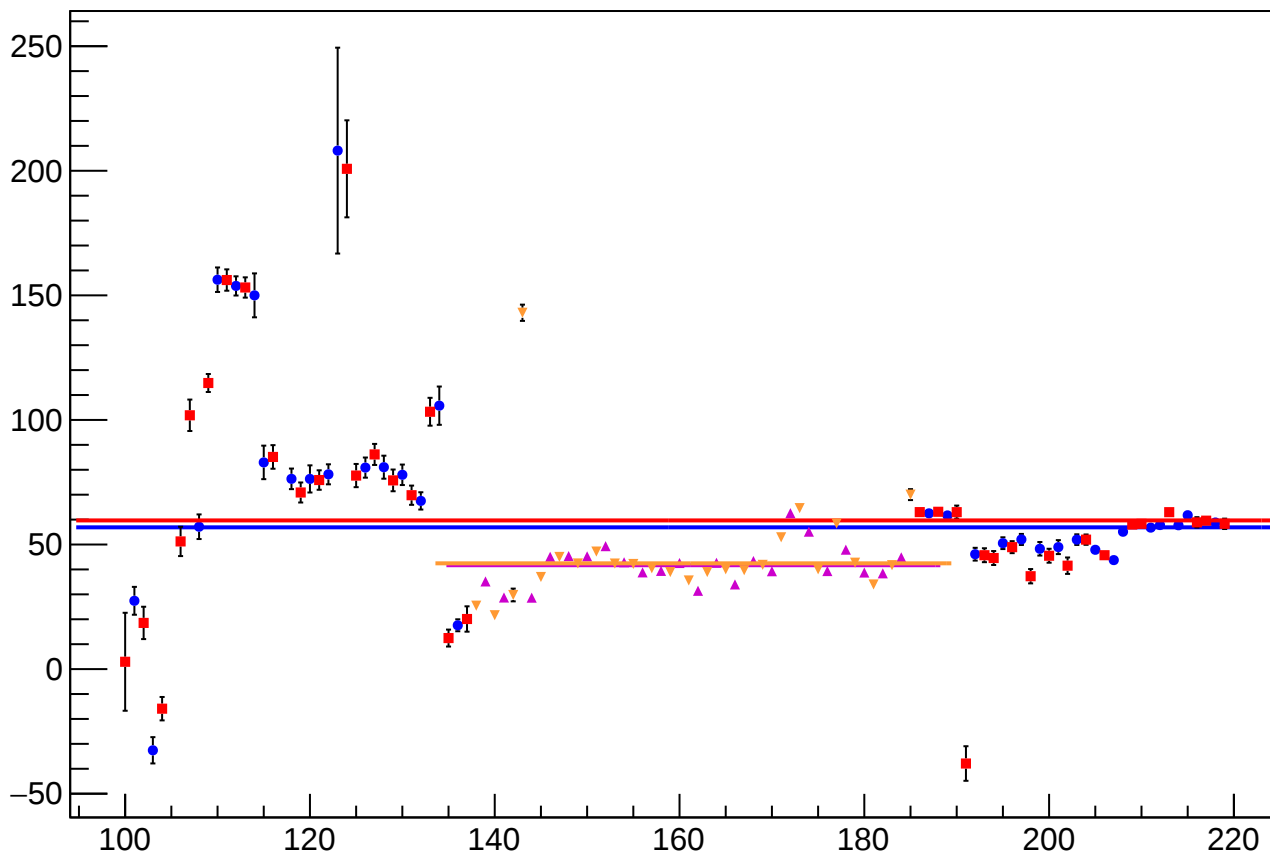
Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

+ sign -3.322 ± 0.201 $\chi^2/\text{NDF}: 1120.7/57$

All: -3.240 ± 0.142 $\chi^2/\text{NDF}: 2189.4/117$

- sign -3.158 ± 0.202 $\chi^2/\text{NDF}: 1068.4/59$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 56.898 $\pm$ 0.439 χ^2 /NDF: 2143.4/32

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 59.675 $\pm$ 0.395 χ^2 /NDF: 2633.4/36

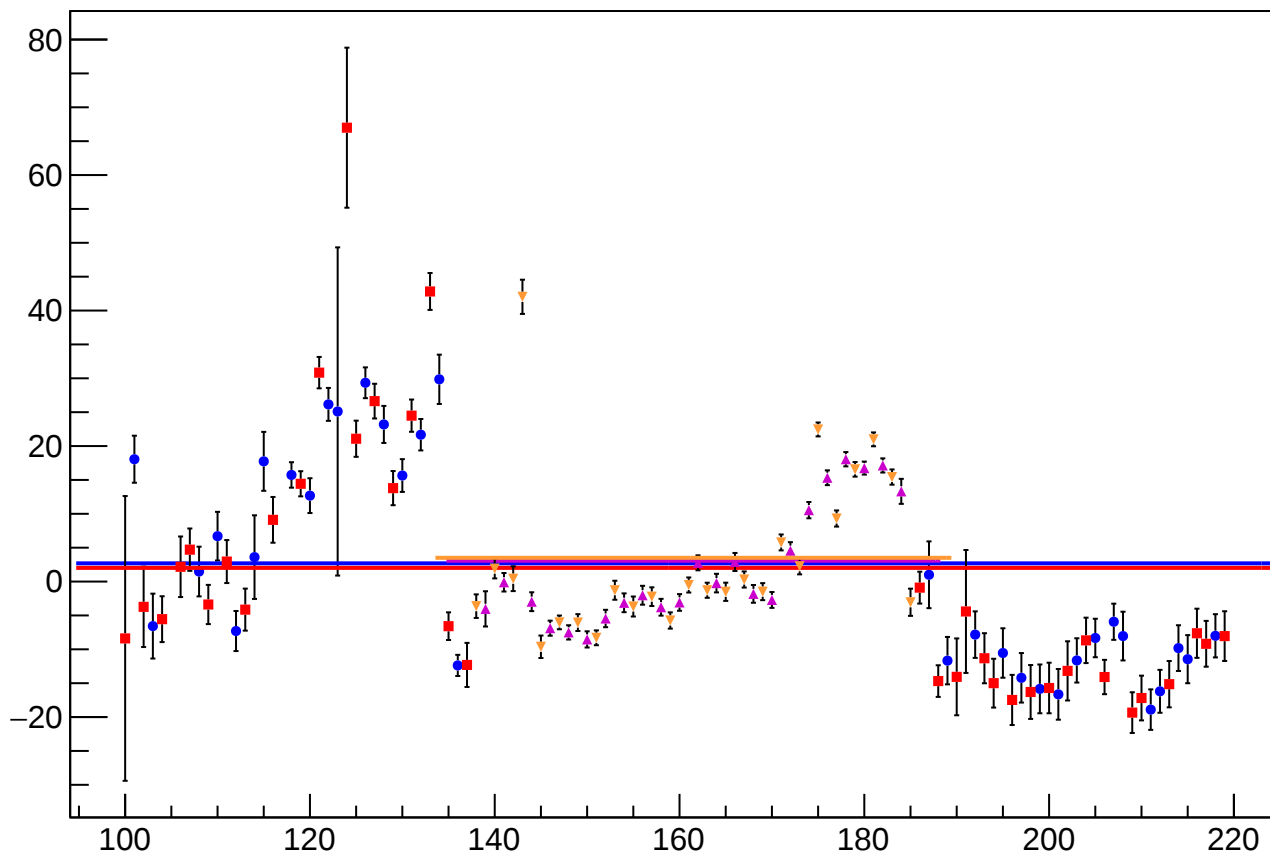
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 46.676 $\pm$ 0.237 χ^2 /NDF: 4927.1/57

All: 47.265 $\pm$ 0.165 χ^2 /NDF: 9567.3/117

- sign 47.821 $\pm$ 0.231 χ^2 /NDF: 4628.2/59

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 2.687 ± 0.522 χ^2/NDF : 939.9/32

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 2.020 ± 0.510 χ^2/NDF : 1130.5/36

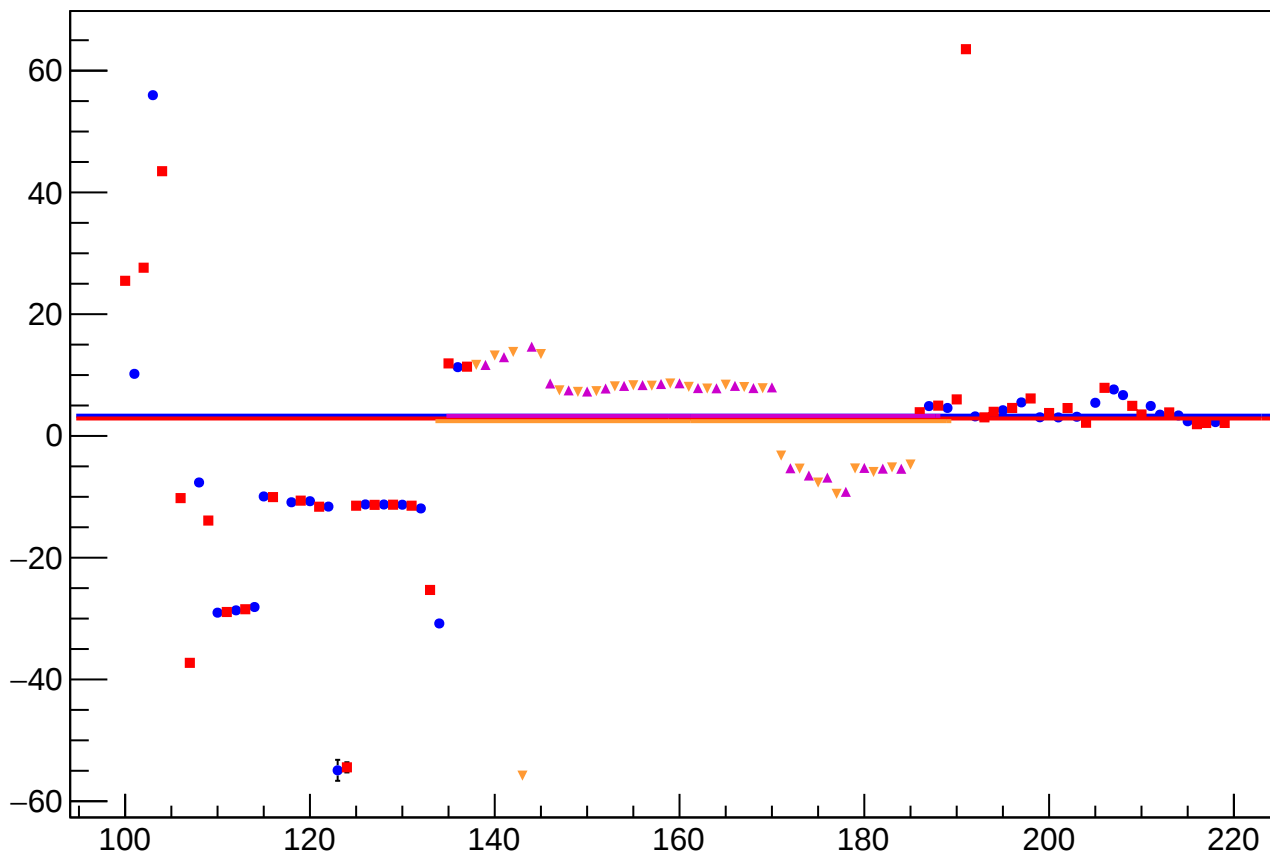
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.350 ± 0.227 χ^2/NDF : 2633.2/57

All: 3.111 ± 0.161 χ^2/NDF : 5035.0/117

- sign 2.866 ± 0.229 χ^2/NDF : 2399.6/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 3.330 $\pm$ 0.025 χ^2 /NDF: 362458.9/32

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.865 $\pm$ 0.024 χ^2 /NDF: 434578.6/36

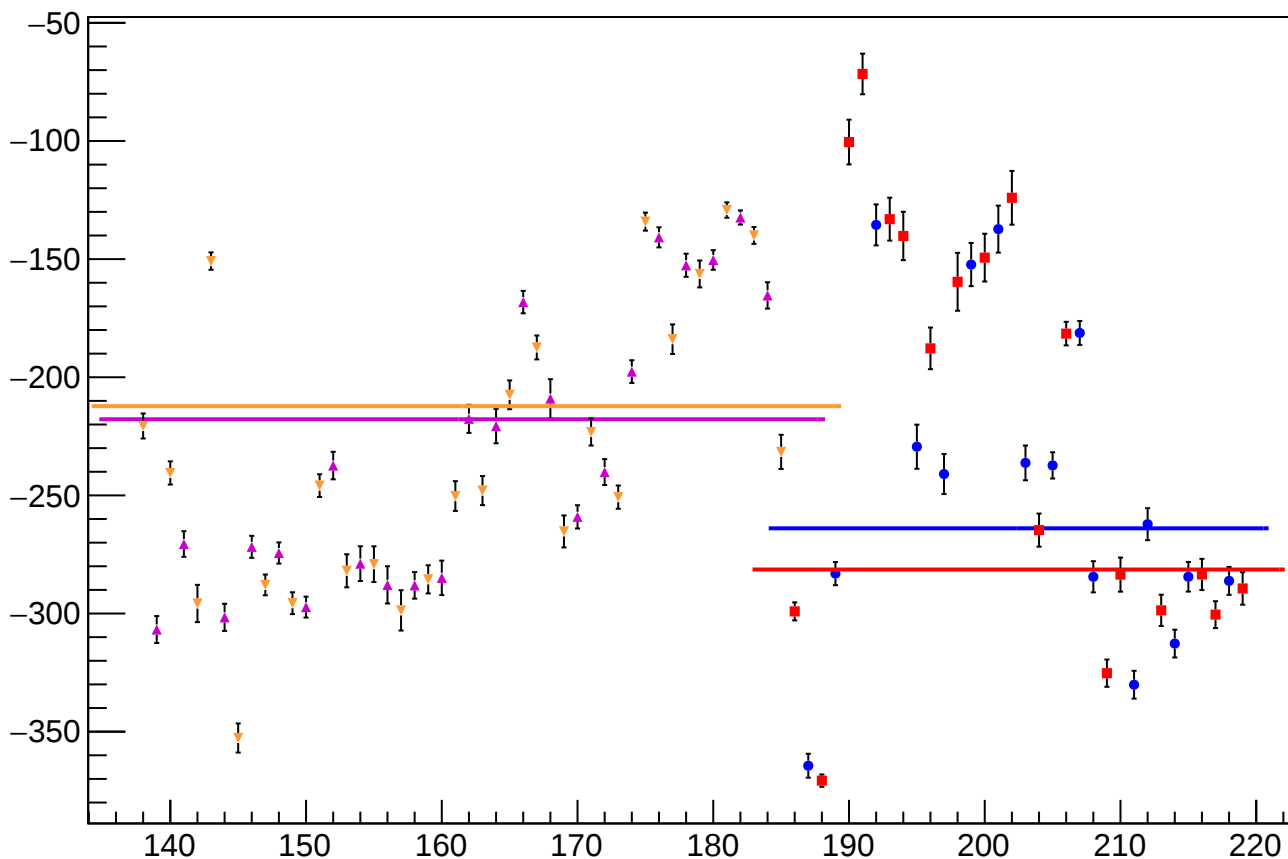
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.589 $\pm$ 0.010 χ^2 /NDF: 979950.2/57

All: 2.899 $\pm$ 0.007 χ^2 /NDF: 1820871.9/117

- sign 3.212 $\pm$ 0.011 χ^2 /NDF: 839155.5/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -263.938+/-1.606 χ^2 /NDF: 1493.8/15

Left Out: -212.231+/-1.029 χ^2 /NDF:3875.4/24

Right Out: -281.366+/-1.405 χ^2 /NDF: 3666.4/17

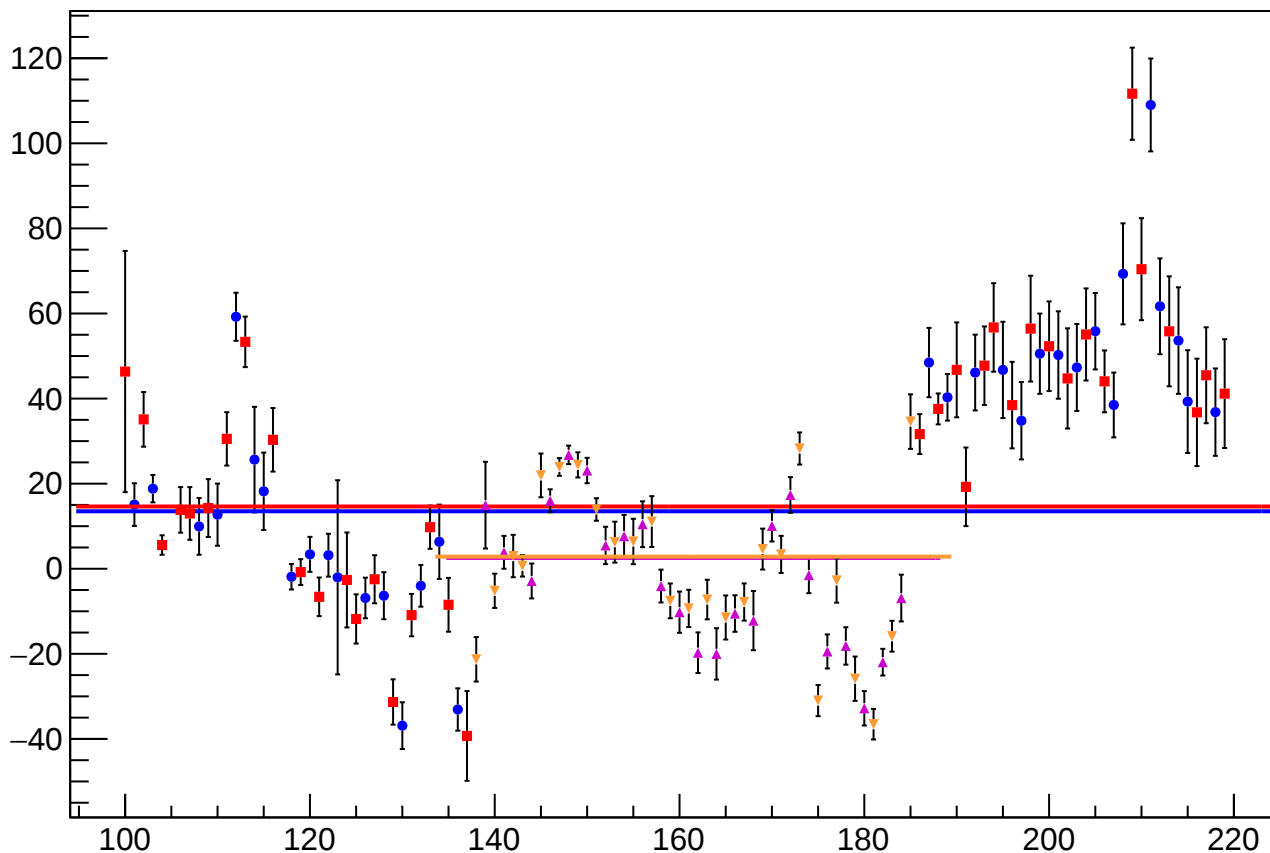
Left In: -217.779+/-1.067 χ^2 /NDF:3448.9/22

+ sign -227.291+/-0.867 χ^2 /NDF: 6104.0/40

All: -234.297+/-0.607 χ^2 /NDF: 14646.6/81

- sign -241.030+/-0.850 χ^2 /NDF: 8414.5/40

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 13.507 $\pm$ 1.097 χ^2 /NDF: 602.2/32

Left Out: 2.848 $\pm$ 0.775 χ^2 /NDF: 582.1/24

Right Out: 14.631 $\pm$ 0.996 χ^2 /NDF: 585.9/36

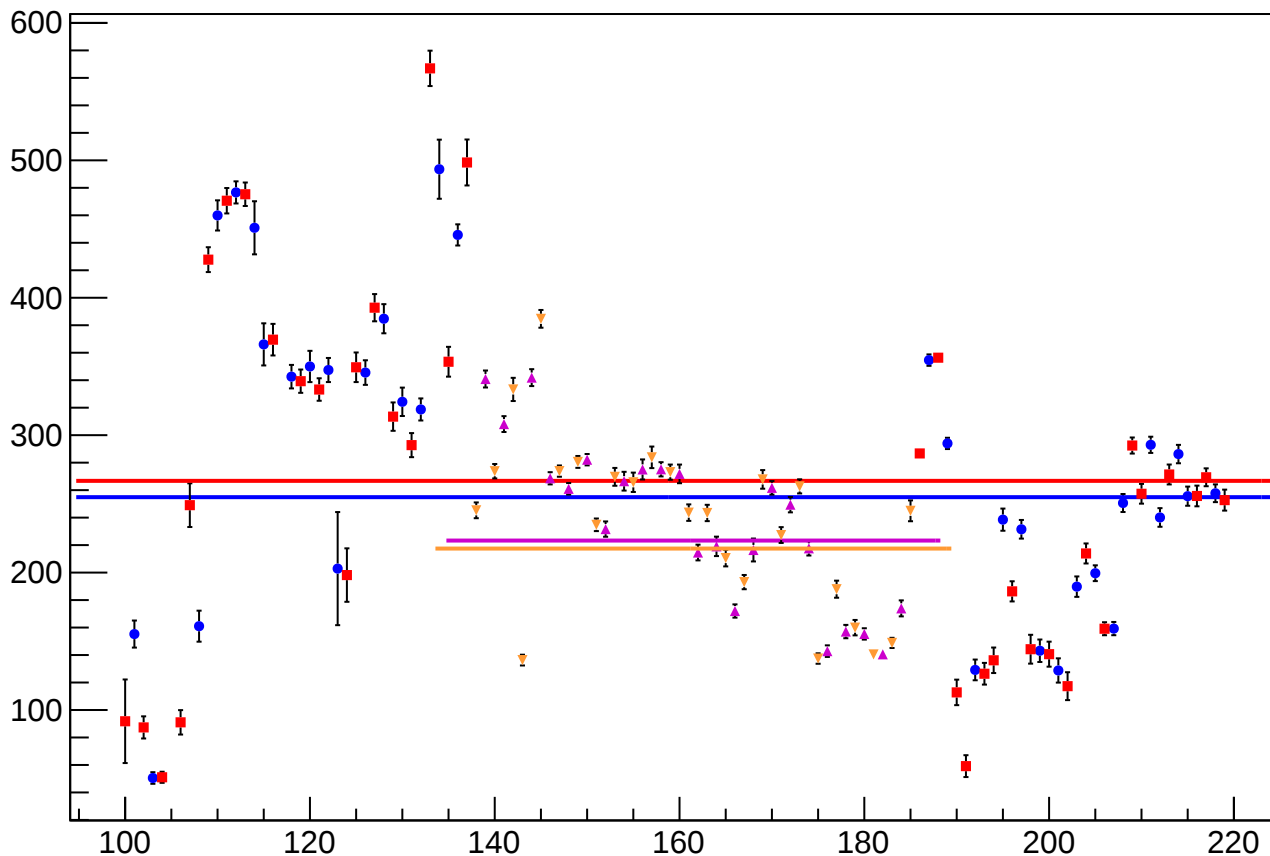
Left In: 2.540 $\pm$ 0.822 χ^2 /NDF: 473.6/22

+ sign 6.395 $\pm$ 0.633 χ^2 /NDF: 1247.3/57

All: 6.918 $\pm$ 0.448 χ^2 /NDF: 2395.9/117

- sign 7.443 $\pm$ 0.634 χ^2 /NDF: 1147.2/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 254.885 $\pm$ 1.253 χ^2/NDF : 7141.0/32

Left Out: 217.484 $\pm$ 1.032 χ^2/NDF : 3769.5/24

Right Out: 266.753 $\pm$ 1.079 χ^2/NDF : 11058.0/36

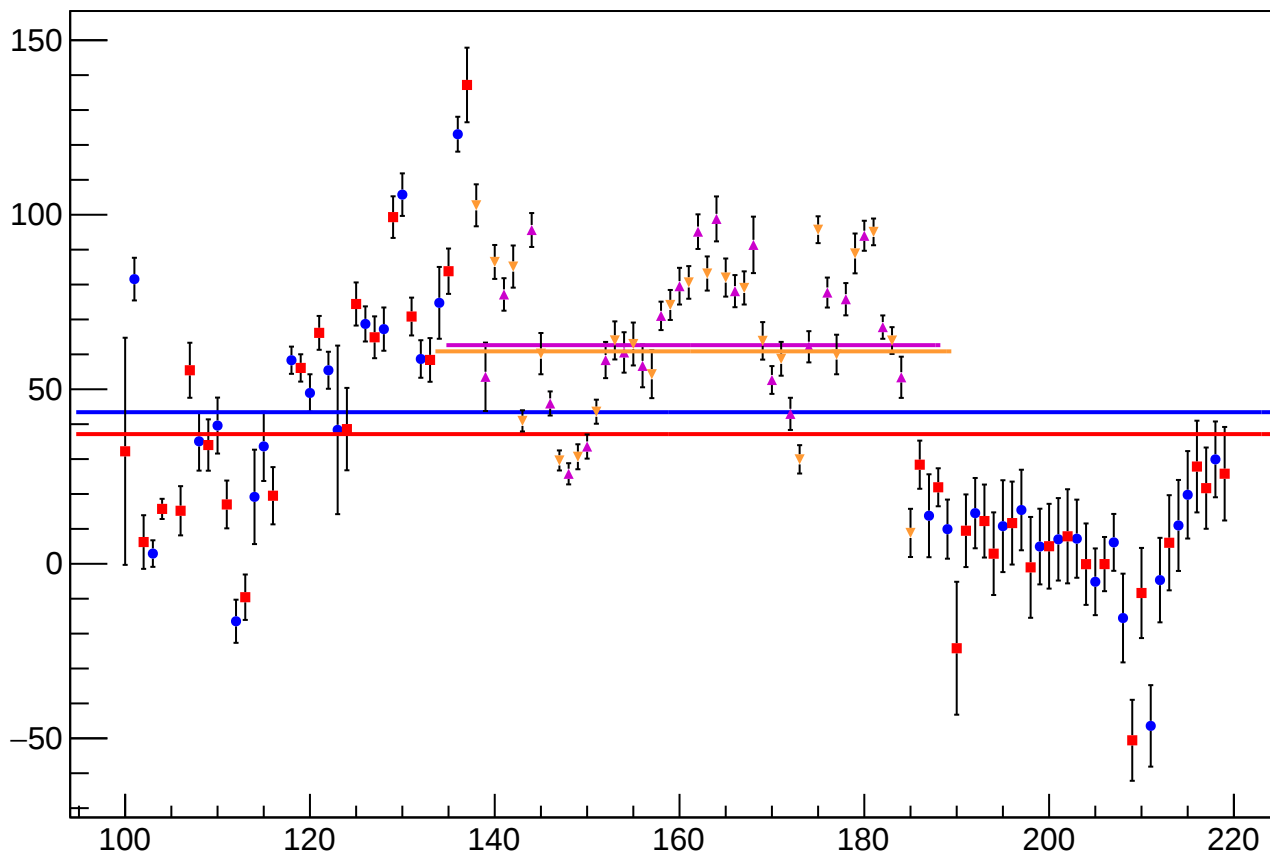
Left In: 223.309 $\pm$ 1.062 χ^2/NDF : 3378.0/22

+ sign 232.604 $\pm$ 0.797 χ^2/NDF : 11441.1/57

All: 238.960 $\pm$ 0.549 χ^2/NDF : 26822.0/117

- sign 244.693 $\pm$ 0.757 χ^2/NDF : 15259.8/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 43.435 $\pm$ 1.273 χ^2 /NDF: 917.7/32

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 37.155 $\pm$ 1.187 χ^2 /NDF: 741.8/36

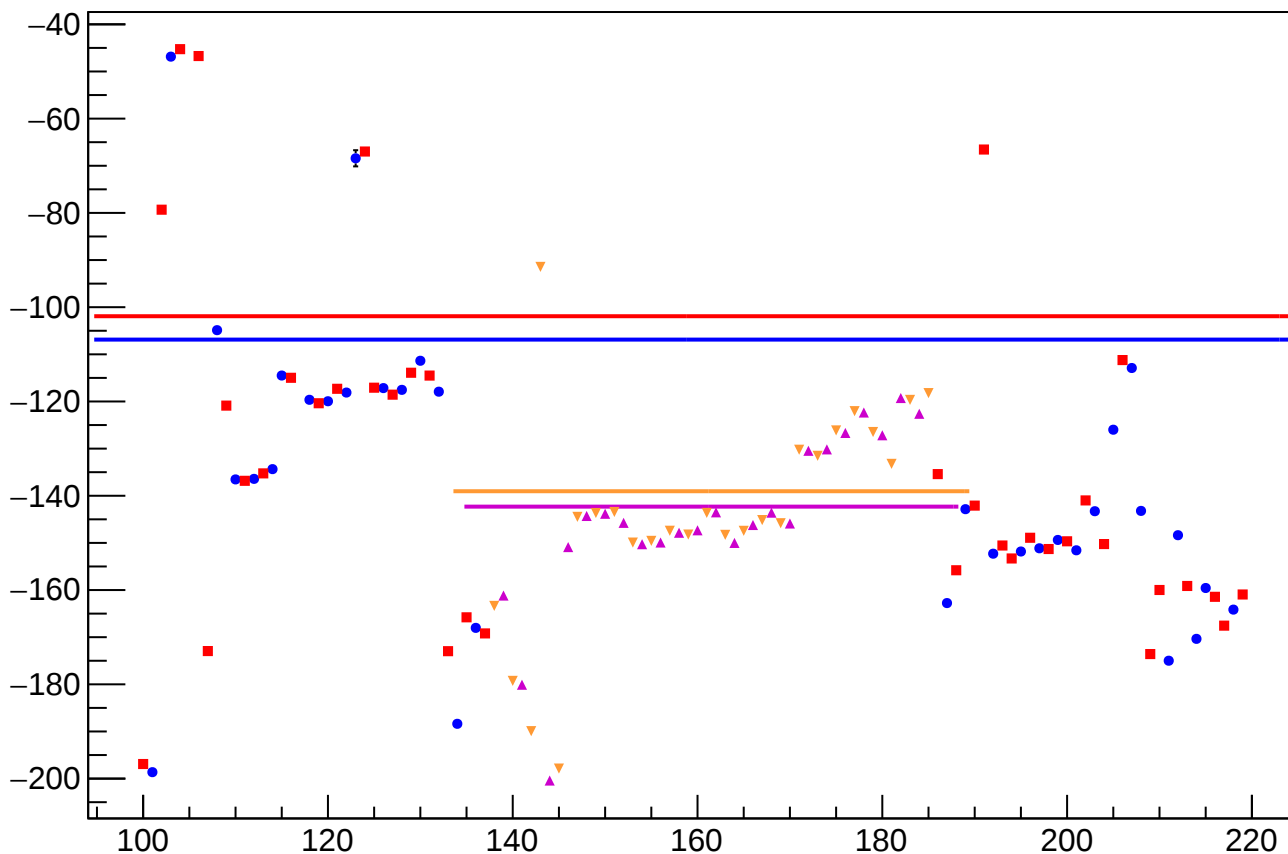
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 55.086 $\pm$ 0.733 χ^2 /NDF: 1774.6/57

All: 53.941 $\pm$ 0.520 χ^2 /NDF: 3319.4/117

- sign 52.780 $\pm$ 0.738 χ^2 /NDF: 1540.0/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -106.874+/-0.057 χ^2 /NDF: 745818.6/32

Left Out: -139.040+/-0.043 χ^2 /NDF: 258113.4/24

Right Out: -101.915+/-0.054 χ^2 /NDF: 785773.0/36

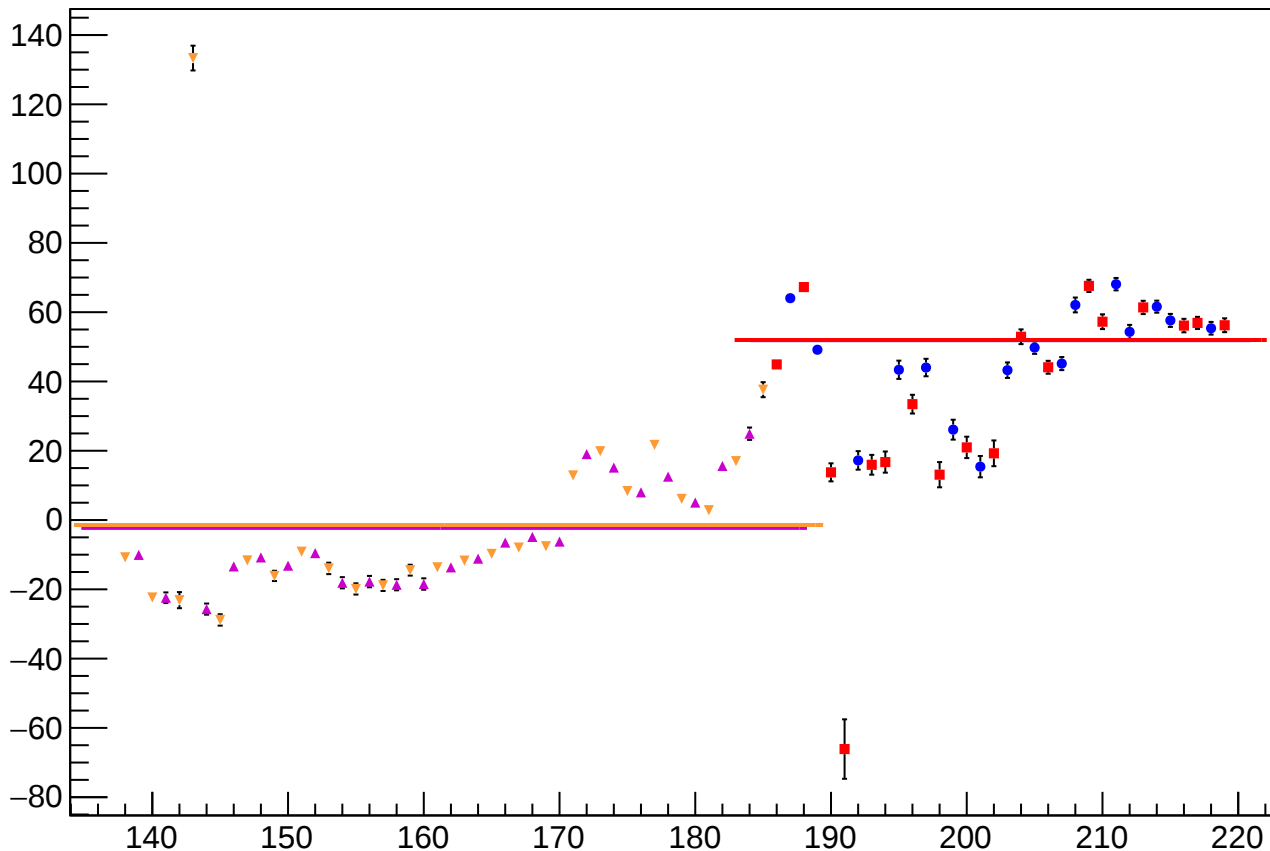
Left In: -142.305+/-0.044 χ^2 /NDF: 143351.8/22

+ sign -127.432+/-0.034 χ^2 /NDF: 1207102.4/57

All: -126.795+/-0.024 χ^2 /NDF: 2472510.1/11

- sign -126.162+/-0.034 χ^2 /NDF: 1264719.0/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 51.929 $\pm$ 0.492 χ^2 /NDF: 667.2/15

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 51.969 $\pm$ 0.410 χ^2 /NDF: 1635.0/17

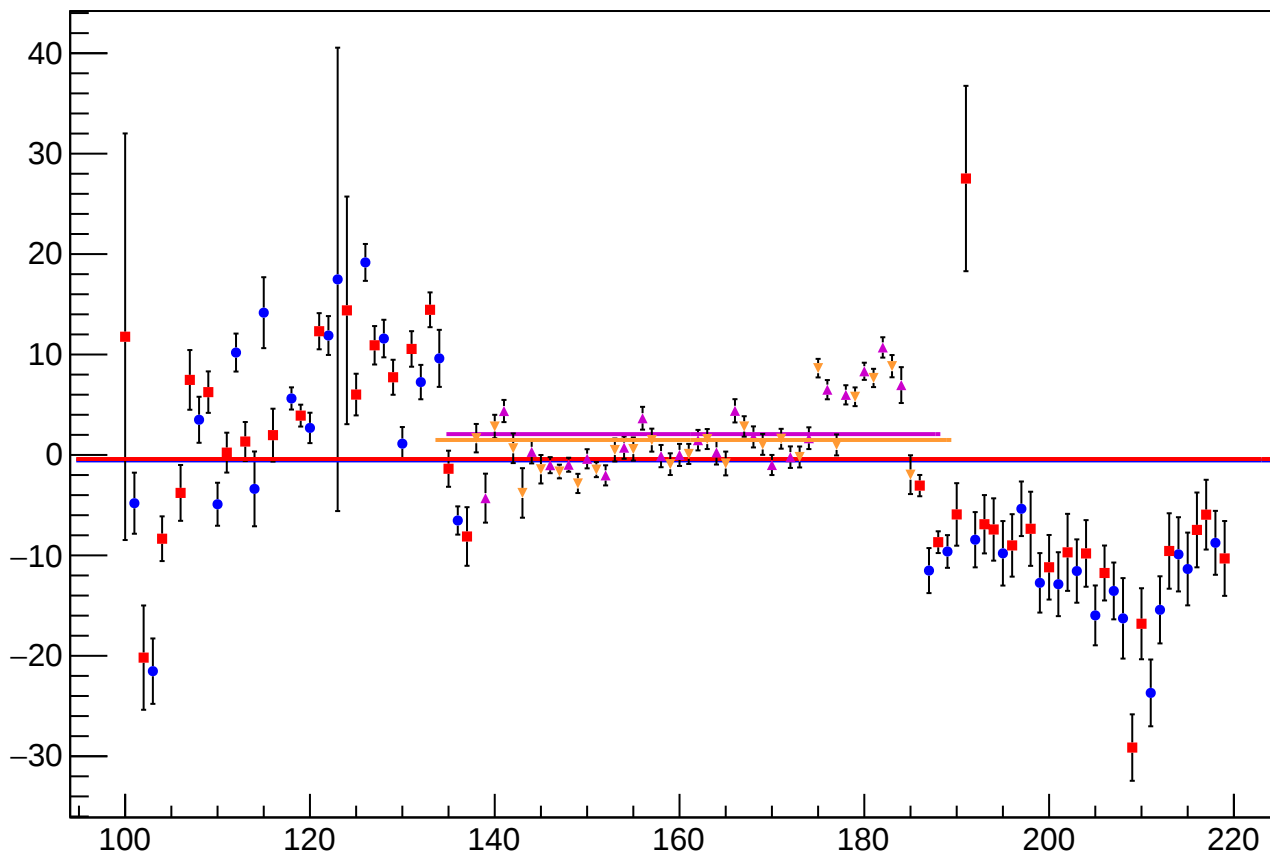
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 10.746 $\pm$ 0.235 χ^2 /NDF: 14073.7/40

All: 12.539 $\pm$ 0.163 χ^2 /NDF: 30525.2/81

- sign 14.194 $\pm$ 0.226 χ^2 /NDF: 16339.6/40

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.545 ± 0.393 χ^2/NDF : 660.9/32

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: -0.404 ± 0.363 χ^2/NDF : 557.8/36

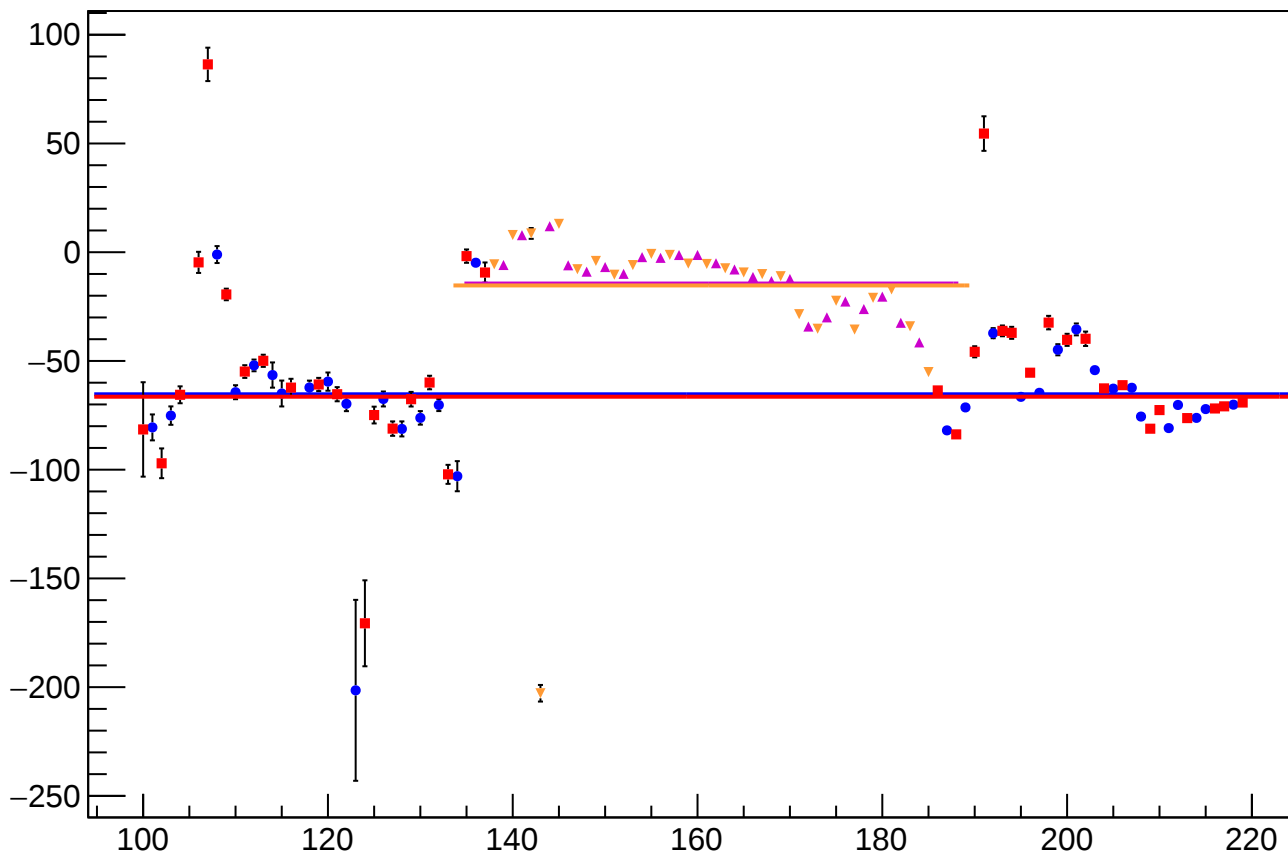
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.038 ± 0.185 χ^2/NDF : 940.8/57

All: 1.234 ± 0.131 χ^2/NDF : 1809.9/117

- sign 1.430 ± 0.185 χ^2/NDF : 866.8/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -65.334 ± 0.410 χ^2/NDF : 1915.8/32

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -66.444 ± 0.334 χ^2/NDF : 3433.7/36

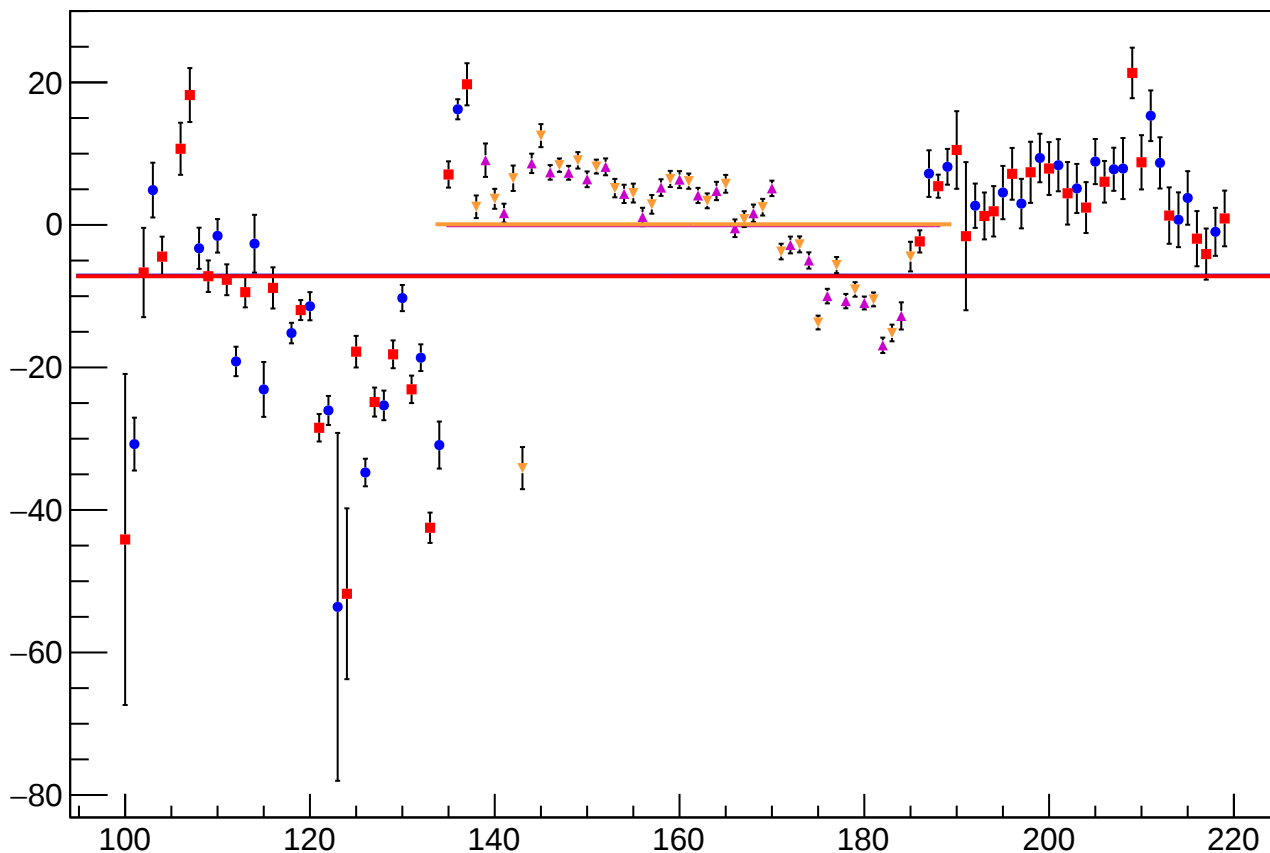
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -30.191 ± 0.224 χ^2/NDF : 17222.3/57

All: -32.677 ± 0.153 χ^2/NDF : 37620.6/117

- sign -34.863 ± 0.210 χ^2/NDF : 20165.8/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -7.117 ± 0.454 χ^2/NDF : 1159.0/32

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -7.201 ± 0.433 χ^2/NDF : 1104.5/36

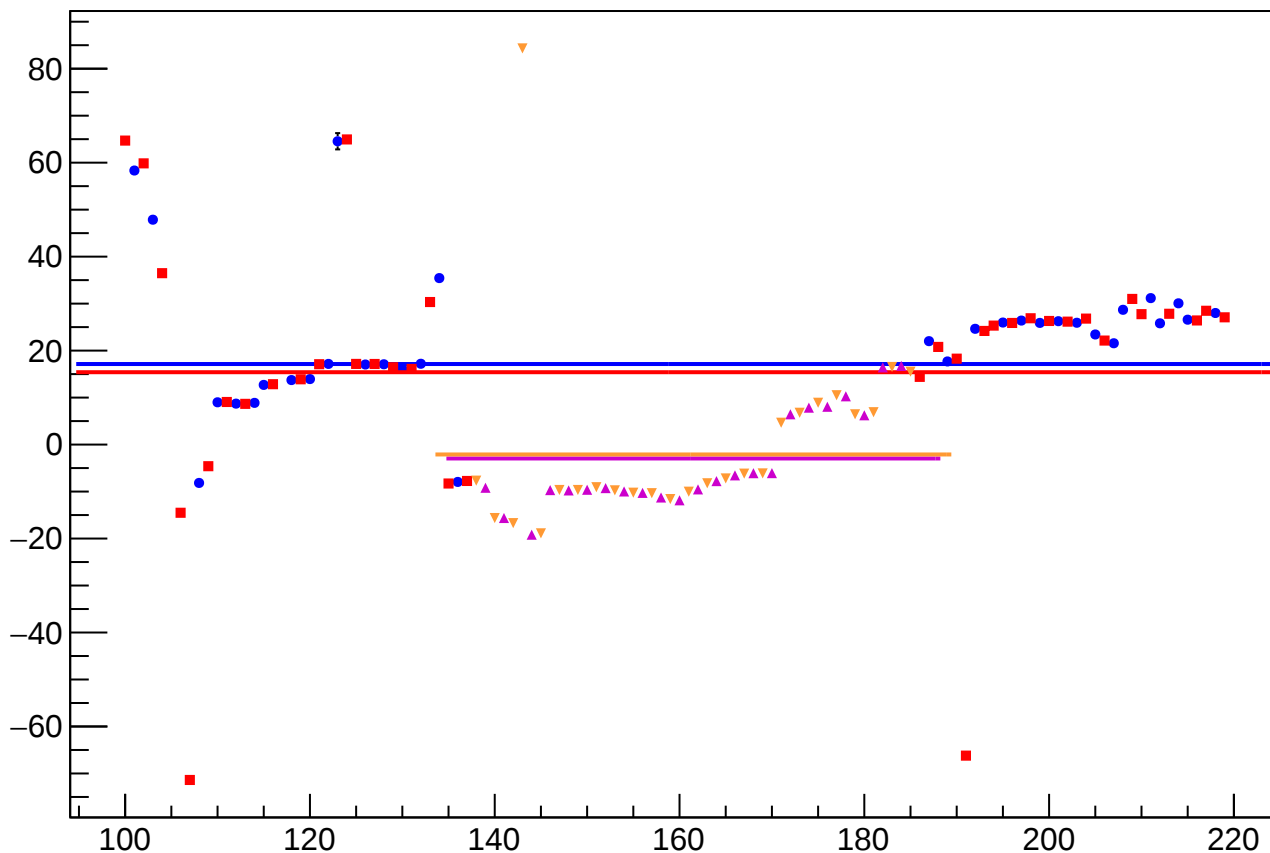
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.471 ± 0.211 χ^2/NDF : 2529.1/57

All: -1.614 ± 0.150 χ^2/NDF : 4870.3/117

- sign -1.758 ± 0.212 χ^2/NDF : 2340.3/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 17.144 $\pm$ 0.023 χ^2 /NDF: 495895.0/32

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 15.402 $\pm$ 0.022 χ^2 /NDF: 776652.2/36

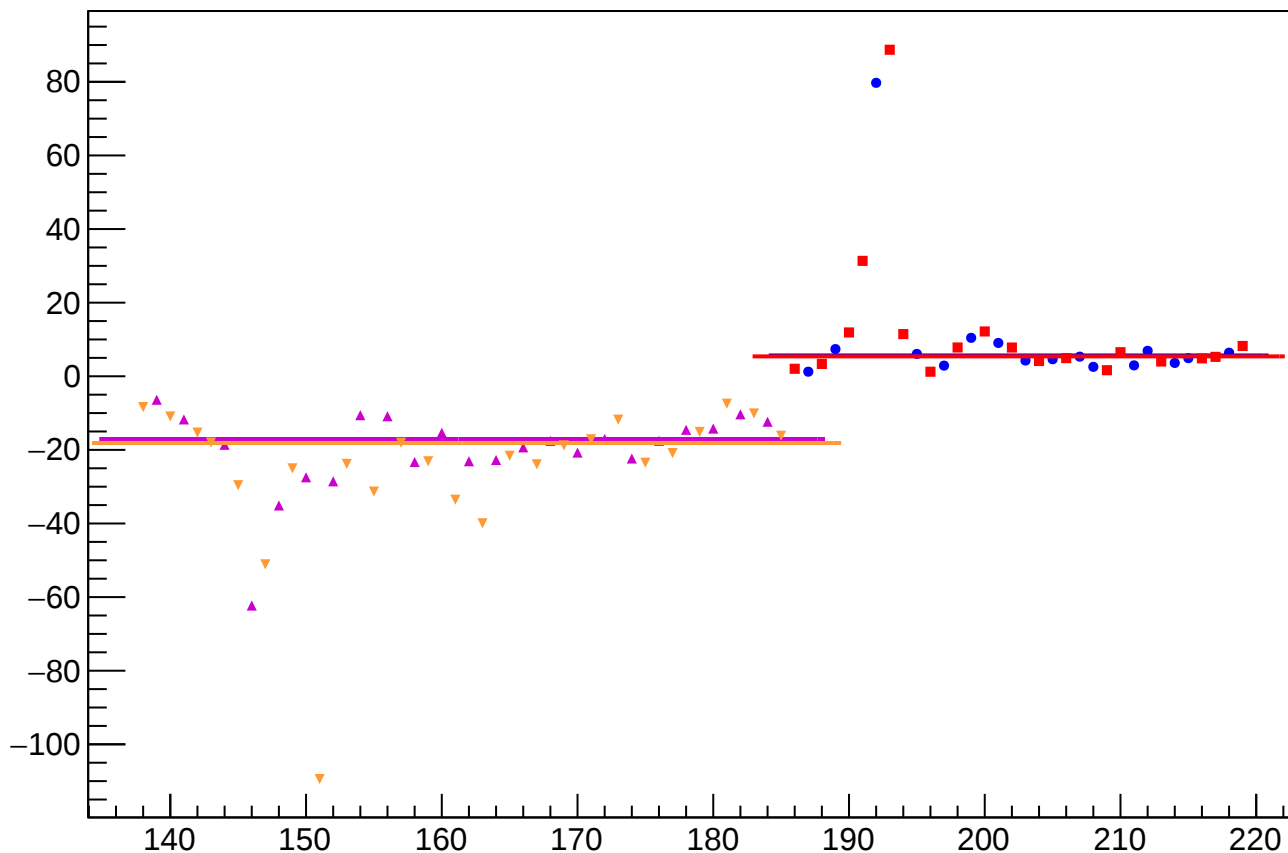
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign 1.558 $\pm$ 0.010 χ^2 /NDF: 2180153.9/57

All: 1.123 $\pm$ 0.007 χ^2 /NDF: 4276769.6/117

- sign 0.686 $\pm$ 0.010 χ^2 /NDF: 2092689.3/59

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 5.653 ± 0.047 χ^2/NDF : 26486.8/15

Left Out: -18.128 ± 0.039 χ^2/NDF : 88551.6/24

Right Out: 5.403 ± 0.045 χ^2/NDF : 27114.4/17

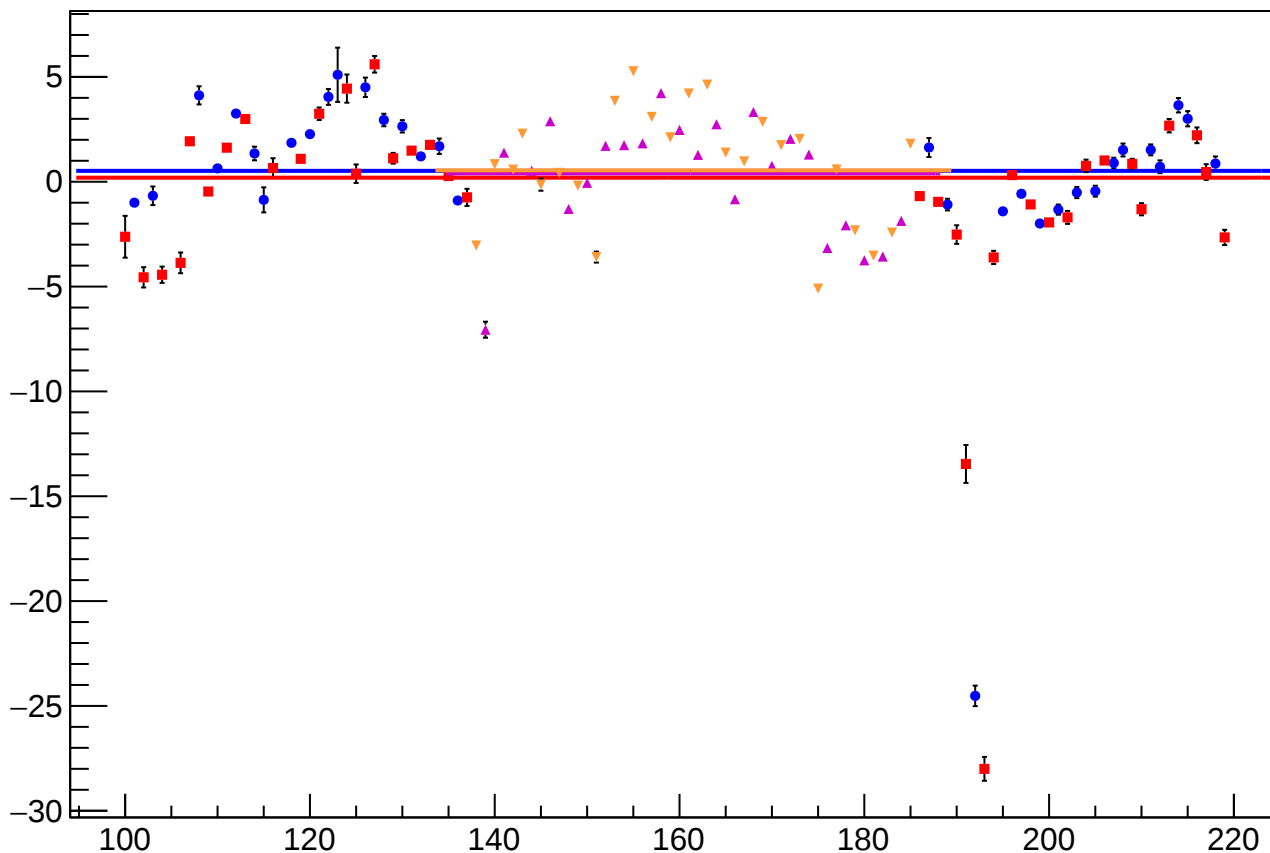
Left In: -17.038 ± 0.038 χ^2/NDF : 44141.1/22

+ sign -8.463 ± 0.030 χ^2/NDF : 266818.0/40

All: -8.068 ± 0.021 χ^2/NDF : 482454.8/81

- sign -7.695 ± 0.029 χ^2/NDF : 215298.8/40

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.520 ± 0.046 χ^2/NDF : 3995.4/32

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.194 ± 0.043 χ^2/NDF : 4450.6/36

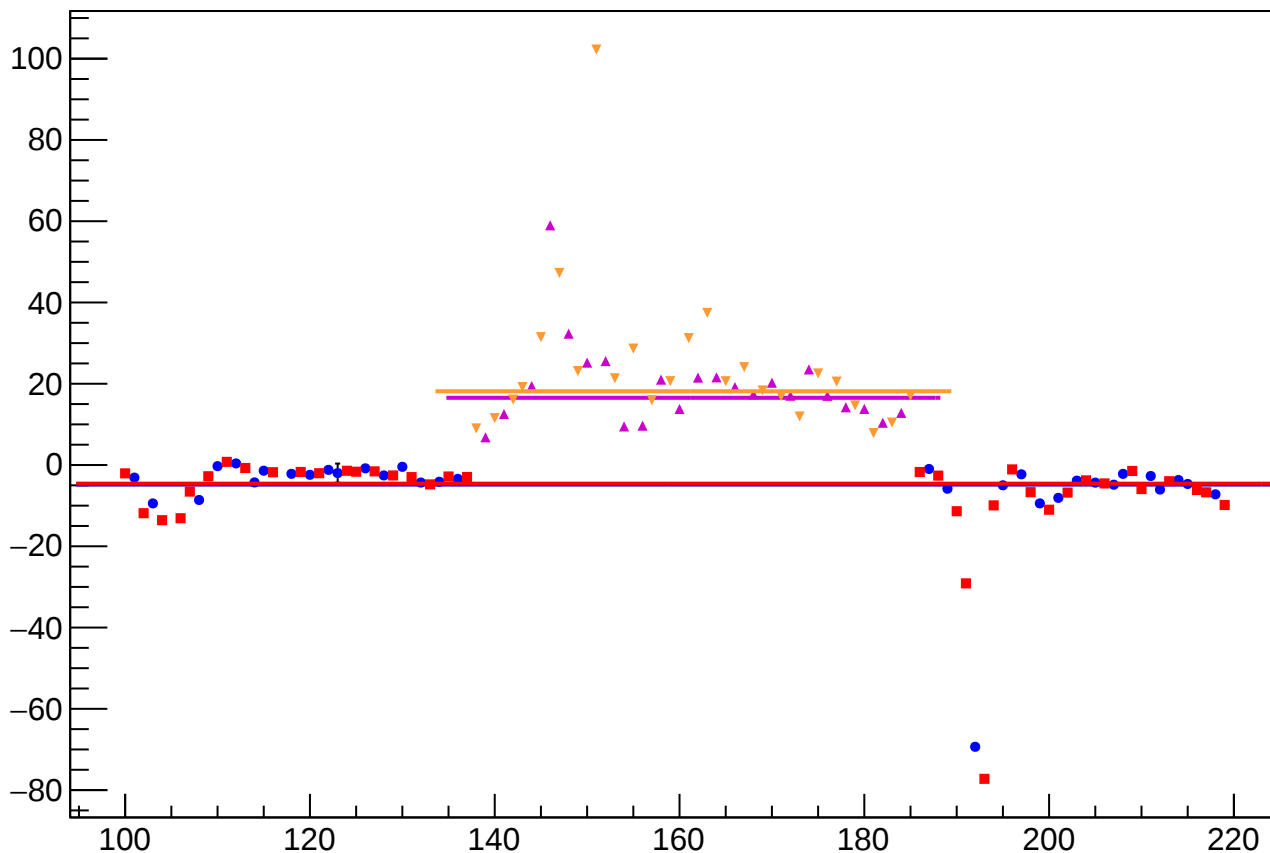
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.535 ± 0.026 χ^2/NDF : 11080.8/57

All: 0.427 ± 0.018 χ^2/NDF : 21813.6/117

- sign 0.329 ± 0.025 χ^2/NDF : 10700.8/59

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -4.812 ± 0.042 χ^2/NDF : 27400.6/32

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -4.582 ± 0.039 χ^2/NDF : 29038.1/36

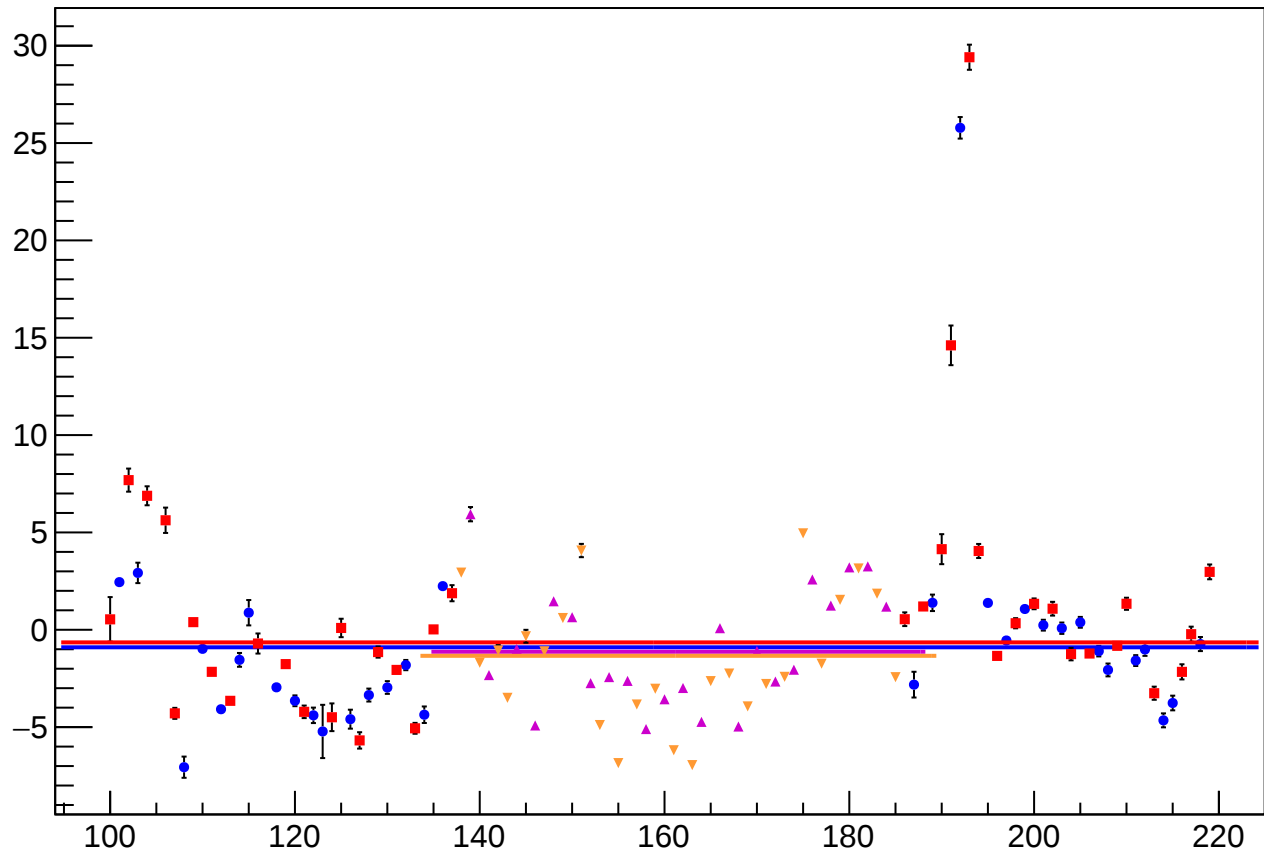
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 7.468 ± 0.029 χ^2/NDF : 265740.8/57

All: 6.851 ± 0.020 χ^2/NDF : 488324.4/117

- sign 6.298 ± 0.027 χ^2/NDF : 221701.4/59

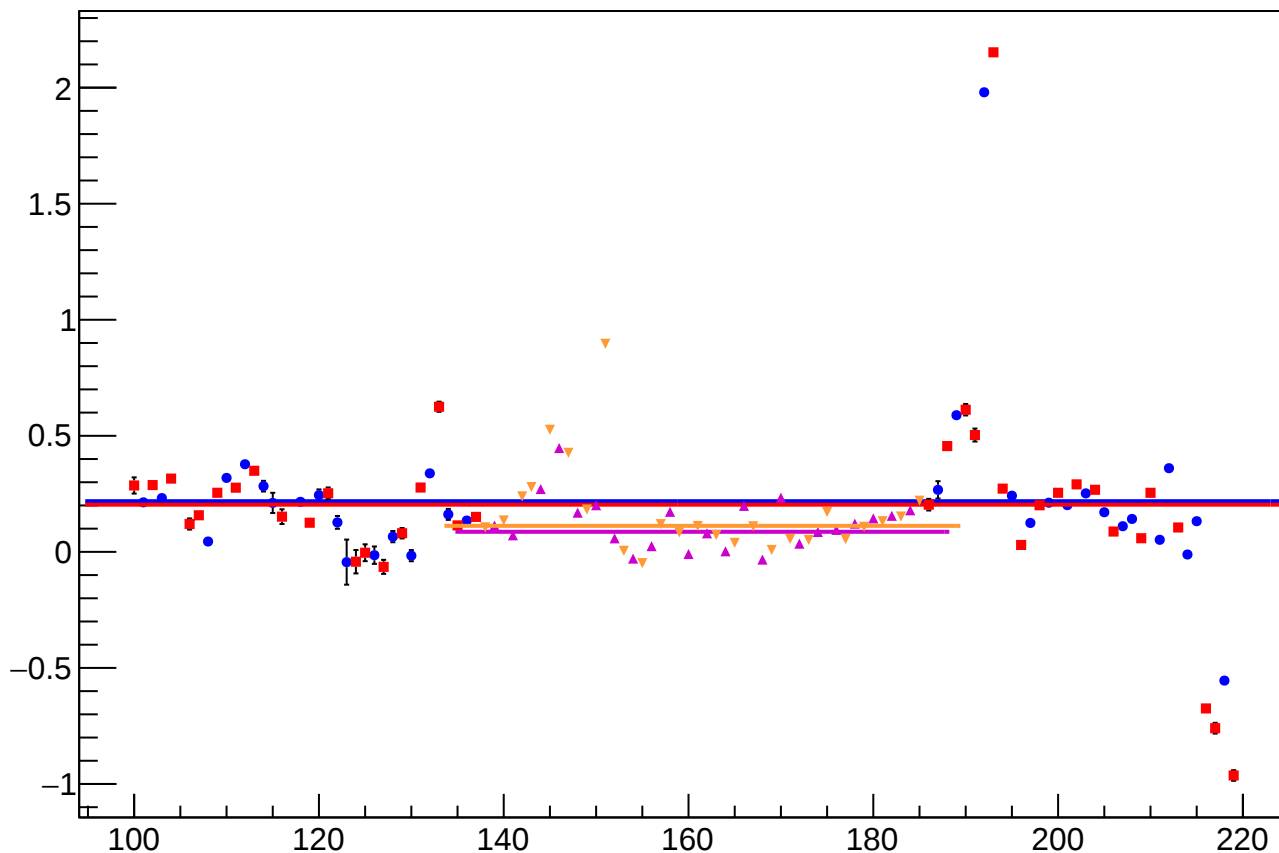
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.900 ± 0.052 $\chi^2/\text{NDF}: 4115.1/32$
 Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7943.1/24$
 Right Out: -0.648 ± 0.050 $\chi^2/\text{NDF}: 4683.2/36$
 Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6740.3/22$

+ sign -1.197 ± 0.030 $\chi^2/\text{NDF}: 12105.7/57$
 All: -1.081 ± 0.020 $\chi^2/\text{NDF}: 23622.1/117$
 - sign -0.976 ± 0.028 $\chi^2/\text{NDF}: 11486.9/59$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.218 $\pm$ 0.002 χ^2 /NDF: 13347.3/32

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF: 4503.9/24

Right Out: 0.203 $\pm$ 0.002 χ^2 /NDF: 18310.7/36

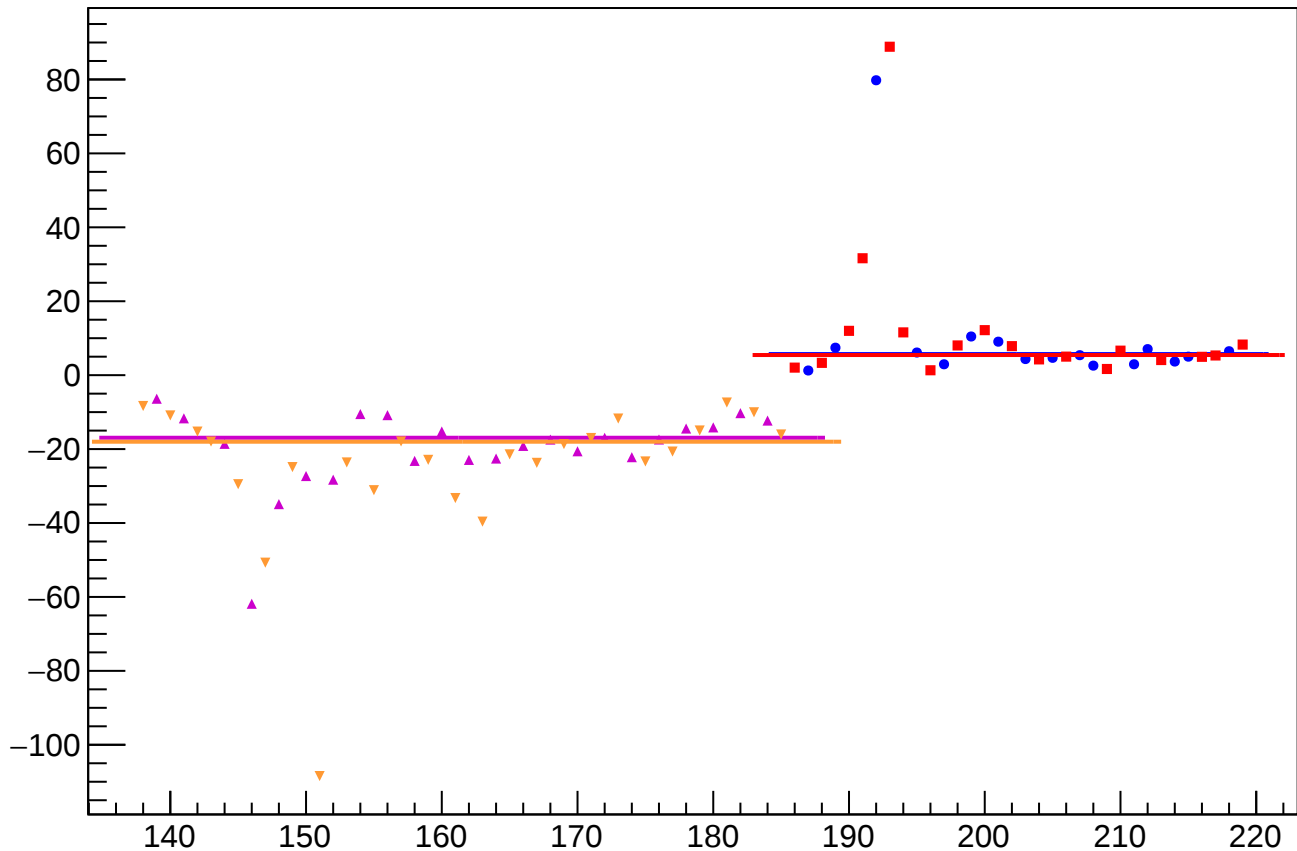
Left In: 0.087 $\pm$ 0.002 χ^2 /NDF: 3655.4/22

+ sign 0.146 $\pm$ 0.001 χ^2 /NDF: 19256.7/57

All: 0.133 $\pm$ 0.001 χ^2 /NDF: 43231.8/117

- sign 0.122 $\pm$ 0.001 χ^2 /NDF: 23797.3/59

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 5.703 ± 0.047 χ^2/NDF : 26702.2/15

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 5.449 ± 0.045 χ^2/NDF : 27470.4/17

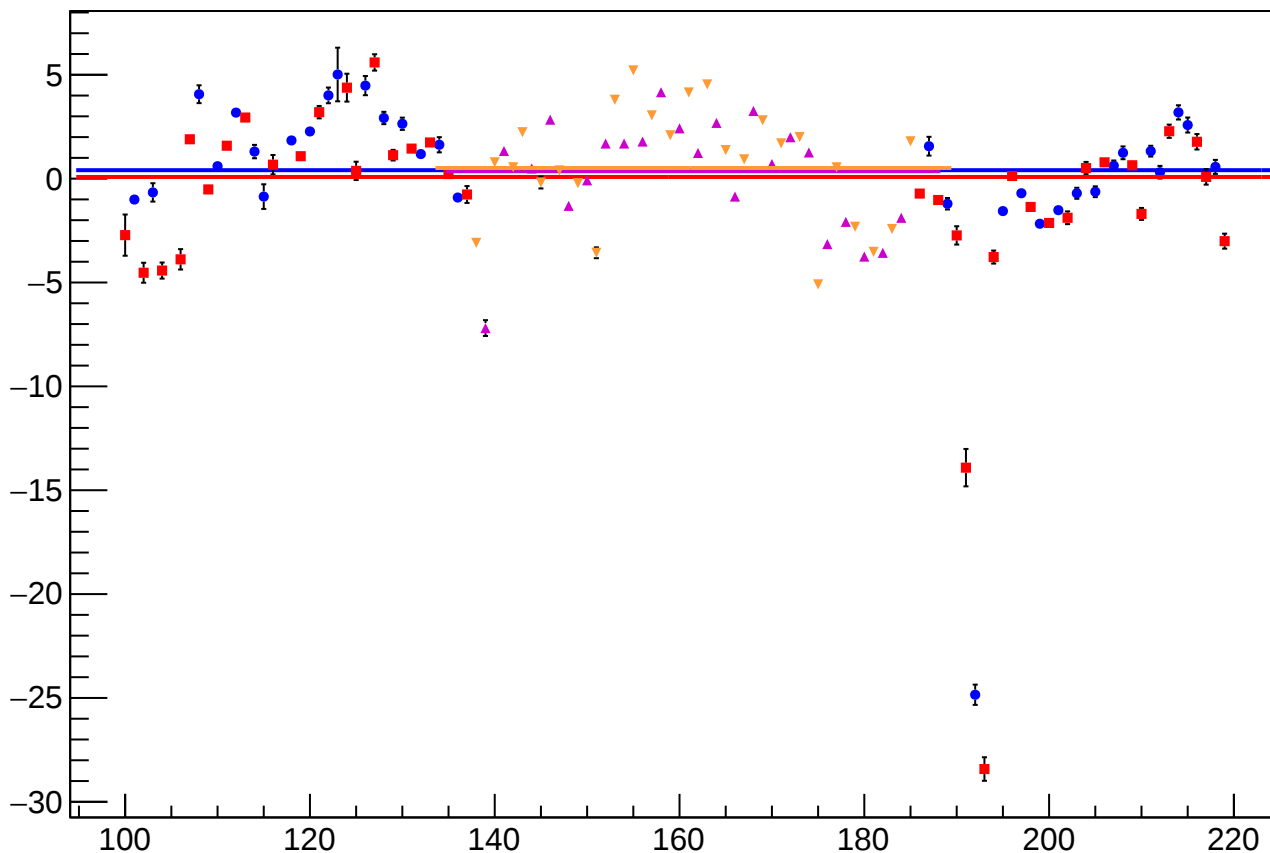
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -8.403 ± 0.030 χ^2/NDF : 267555.4/40

All: -8.001 ± 0.021 χ^2/NDF : 484533.1/81

- sign -7.621 ± 0.029 χ^2/NDF : 216624.0/40

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.407 ± 0.045 χ^2/NDF : 4090.7/32

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.081 ± 0.043 χ^2/NDF : 4609.1/36

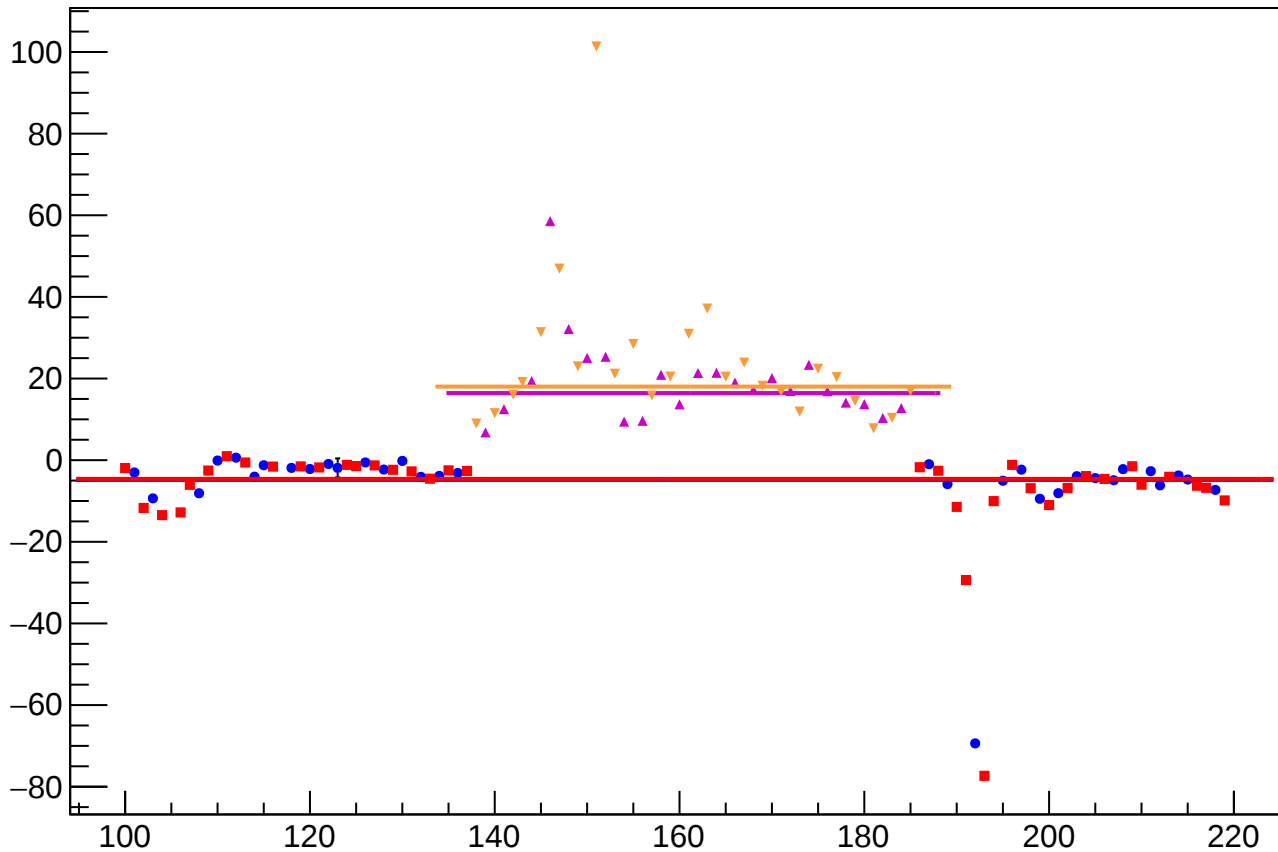
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.477 ± 0.026 χ^2/NDF : 11164.6/57

All: 0.366 ± 0.018 χ^2/NDF : 22056.2/117

- sign 0.267 ± 0.025 χ^2/NDF : 10858.0/59

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -4.818 ± 0.042 χ^2/NDF : 27728.1/32

Left Out: 18.027 ± 0.039 χ^2/NDF : 77718.1/24

Right Out: -4.575 ± 0.039 χ^2/NDF : 29534.9/36

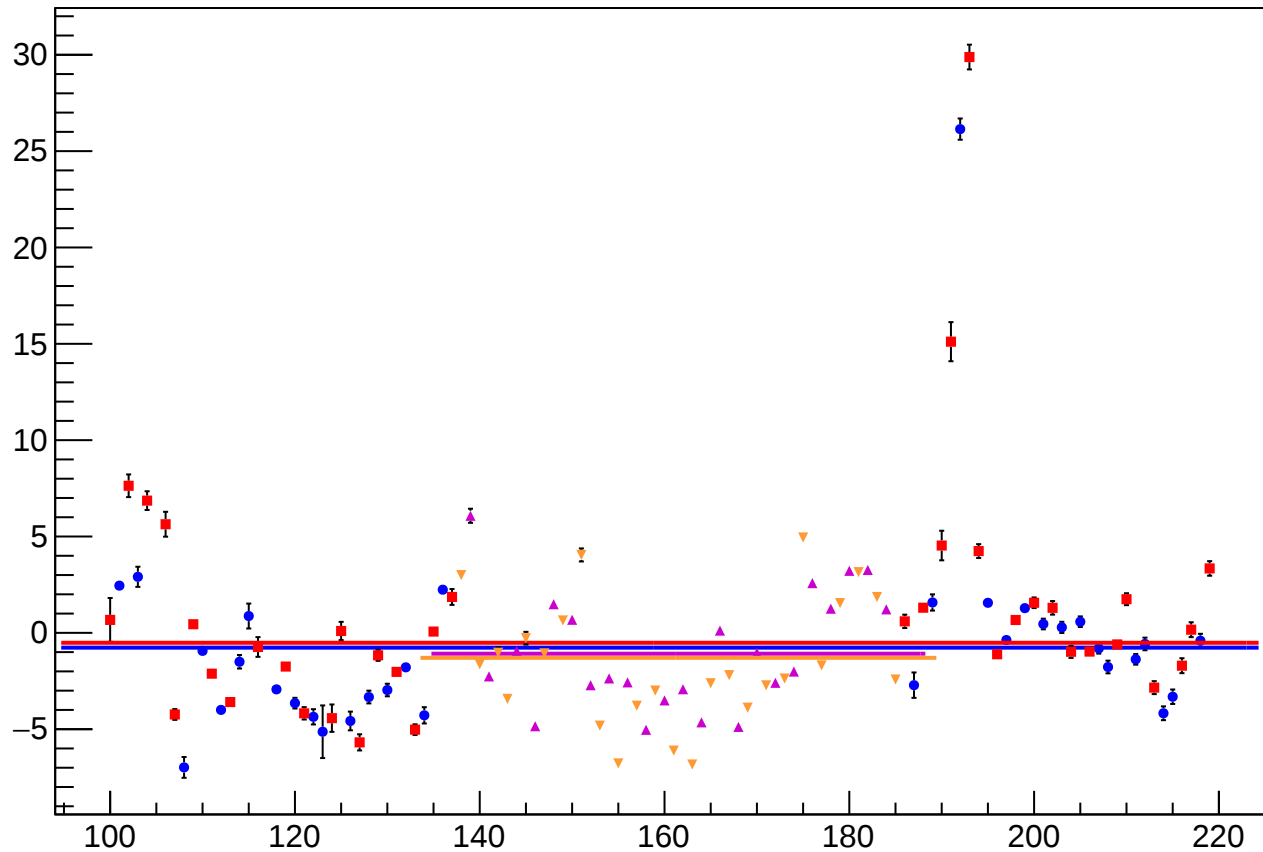
Left In: 16.443 ± 0.038 χ^2/NDF : 40780.6/22

+ sign 7.430 ± 0.028 χ^2/NDF : 266083.8/57

All: 6.809 ± 0.020 χ^2/NDF : 489552.1/117

- sign 6.251 ± 0.027 χ^2/NDF : 222562.0/59

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.768 ± 0.052 χ^2/NDF : 4187.2/32

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.515 ± 0.050 χ^2/NDF : 4844.7/36

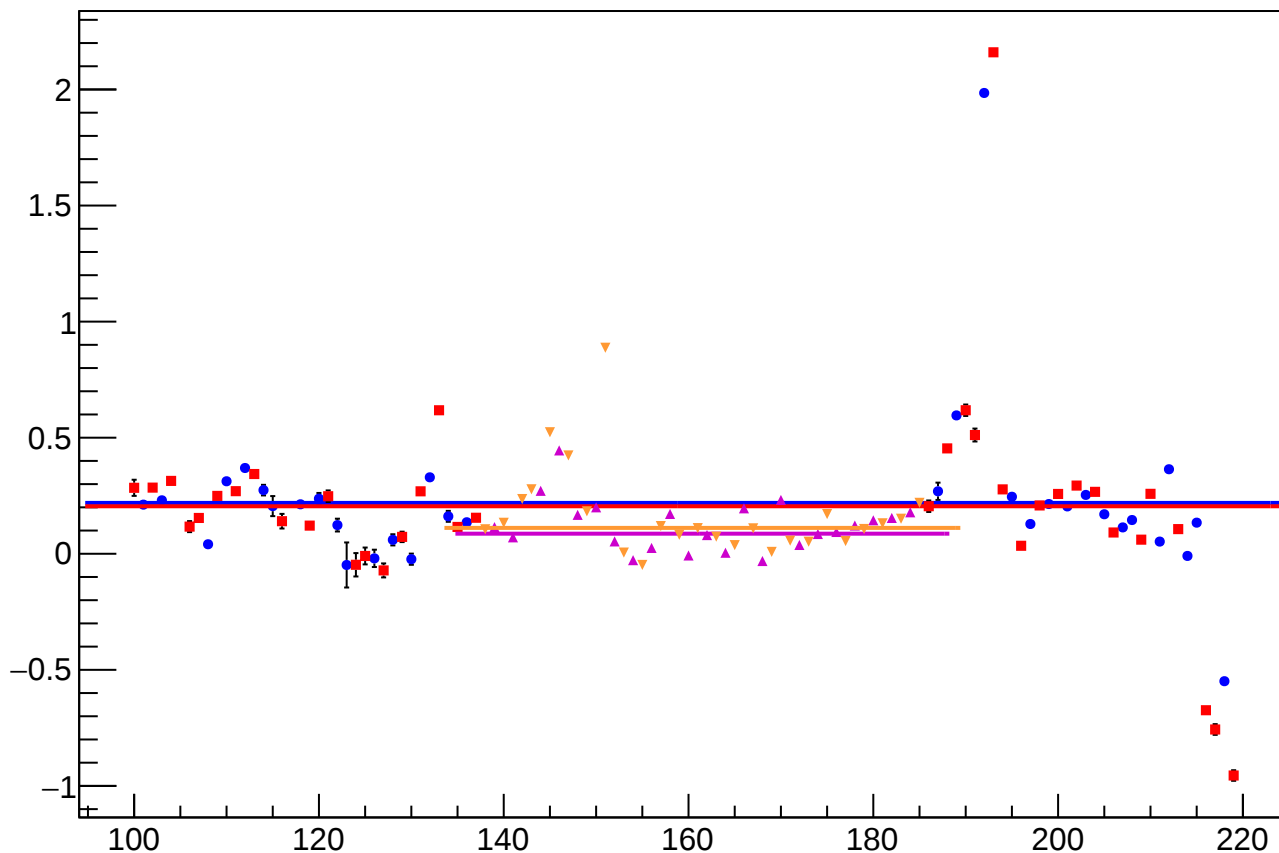
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.128 ± 0.029 χ^2/NDF : 12182.8/57

All: -1.009 ± 0.020 χ^2/NDF : 23871.8/117

- sign -0.901 ± 0.028 χ^2/NDF : 11657.8/59

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.219 $\pm$ 0.002 χ^2 /NDF: 13467.5/32

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4496.0/24

Right Out: 0.205 $\pm$ 0.002 χ^2 /NDF: 18459.9/36

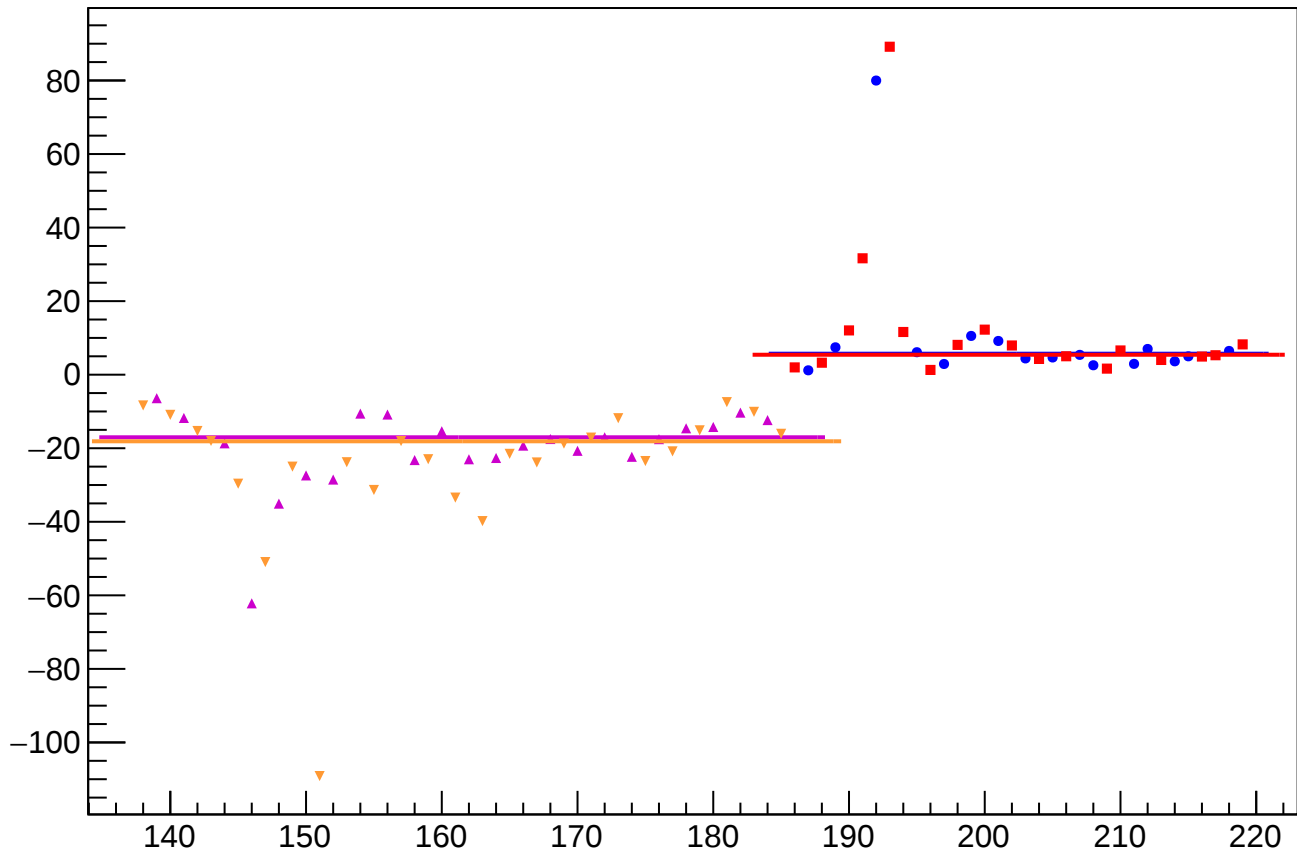
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3625.5/22

+ sign 0.146 $\pm$ 0.001 χ^2 /NDF: 19424.5/57

All: 0.133 $\pm$ 0.001 χ^2 /NDF: 43570.4/117

- sign 0.122 $\pm$ 0.001 χ^2 /NDF: 23975.2/59

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 5.704 ± 0.047 χ^2/NDF : 26696.3/15

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 5.423 ± 0.045 χ^2/NDF : 27487.5/17

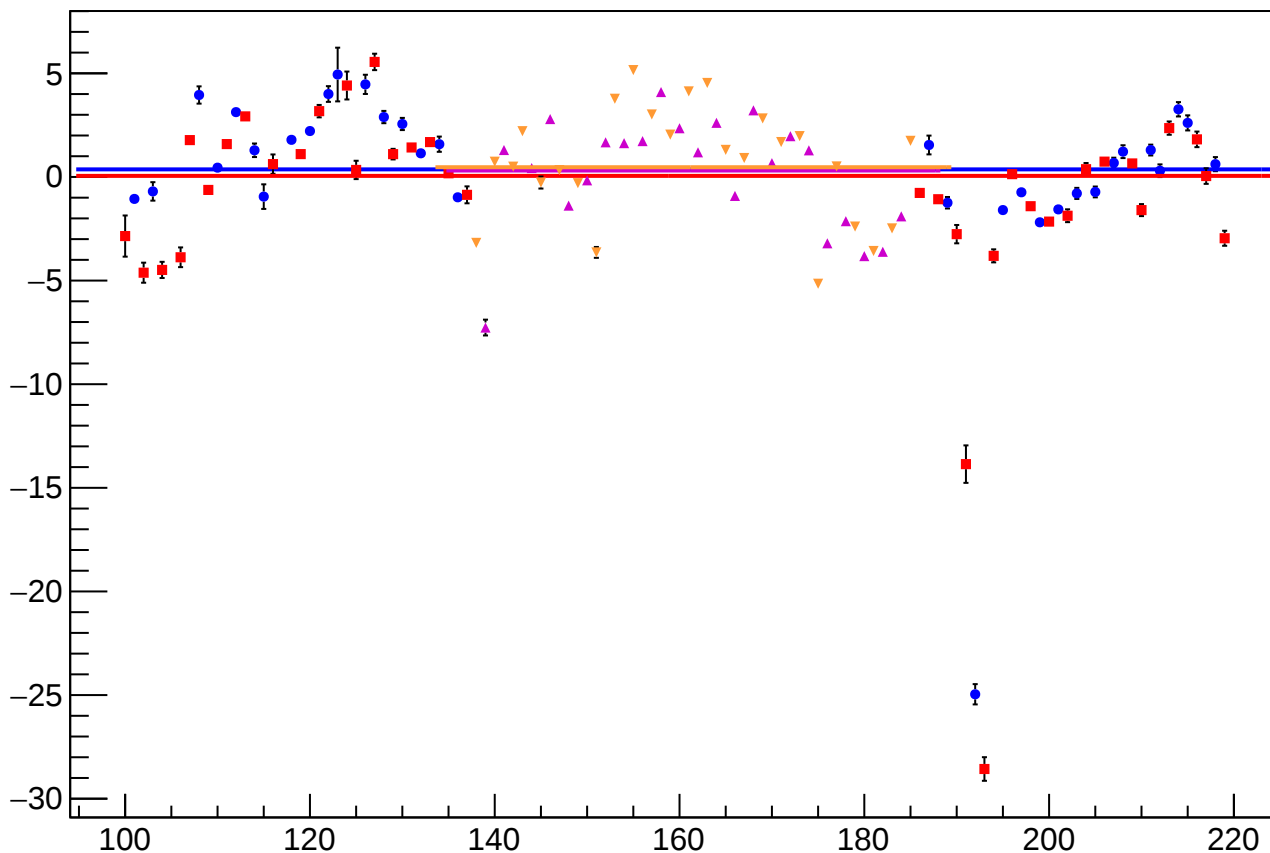
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -8.496 ± 0.030 χ^2/NDF : 267303.8/40

All: -8.085 ± 0.021 χ^2/NDF : 483902.6/81

- sign -7.697 ± 0.029 χ^2/NDF : 216232.3/40

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.366 $\pm$ 0.046 χ^2 /NDF: 4086.3/32

Left Out: 0.469 $\pm$ 0.032 χ^2 /NDF: 7093.0/24

Right Out: 0.052 $\pm$ 0.043 χ^2 /NDF: 4597.2/36

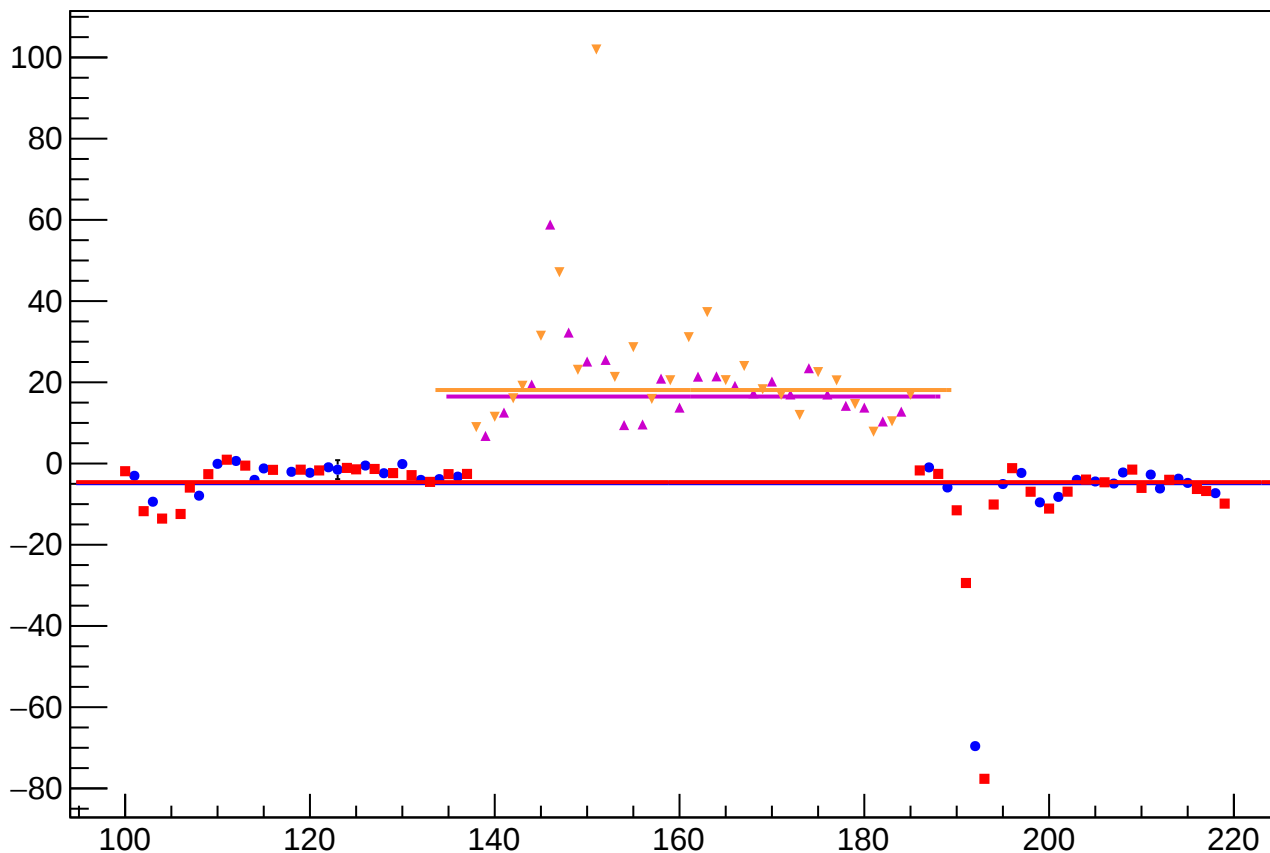
Left In: 0.311 $\pm$ 0.031 χ^2 /NDF: 6183.1/22

+ sign 0.435 $\pm$ 0.026 χ^2 /NDF: 11182.7/57

All: 0.324 $\pm$ 0.018 χ^2 /NDF: 22020.3/117

- sign 0.224 $\pm$ 0.025 χ^2 /NDF: 10804.1/59

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -4.847 ± 0.042 $\chi^2/\text{NDF}: 27718.5/32$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.581 ± 0.039 $\chi^2/\text{NDF}: 29531.4/36$

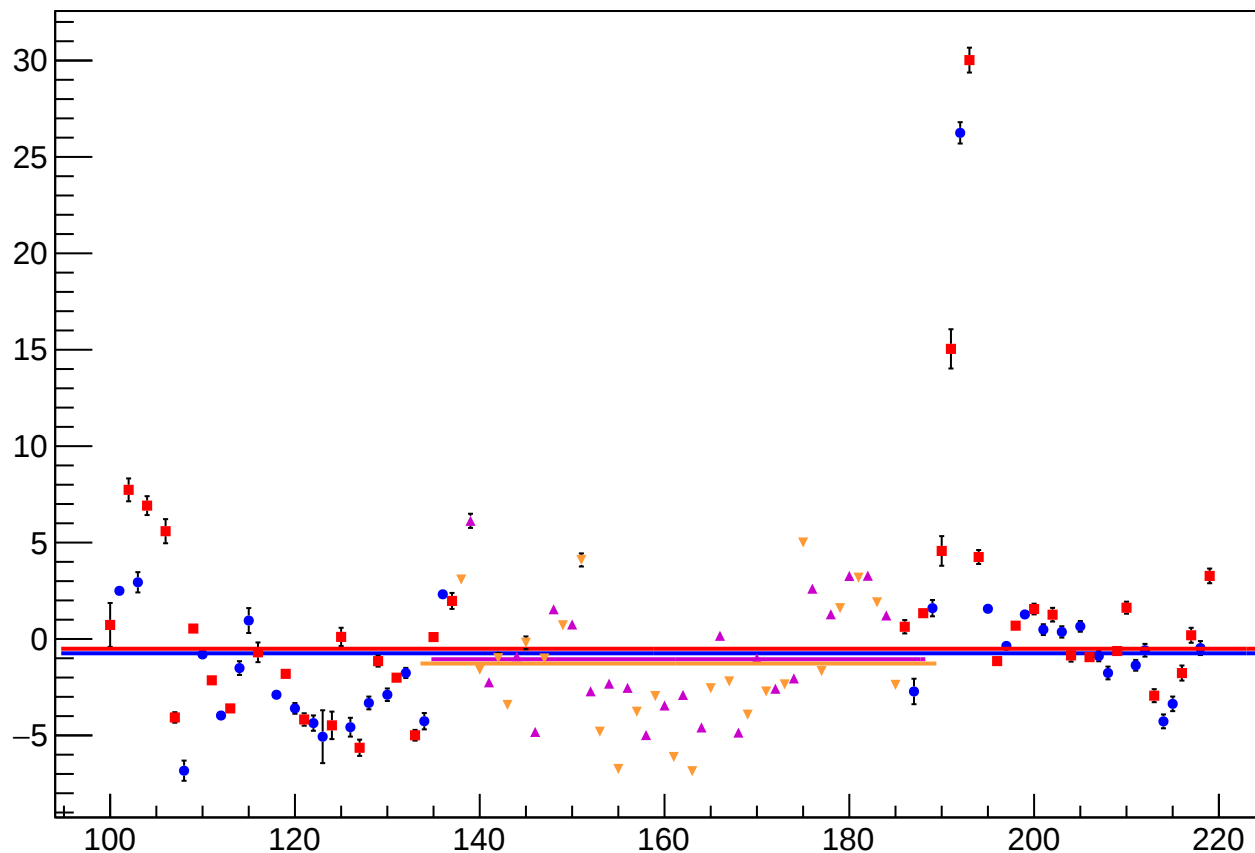
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 7.483 ± 0.029 $\chi^2/\text{NDF}: 265851.2/57$

All: 6.849 ± 0.020 $\chi^2/\text{NDF}: 489033.3/117$

- sign 6.281 ± 0.027 $\chi^2/\text{NDF}: 222248.9/59$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.742 ± 0.052 χ^2/NDF : 4187.1/32

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.506 ± 0.050 χ^2/NDF : 4833.3/36

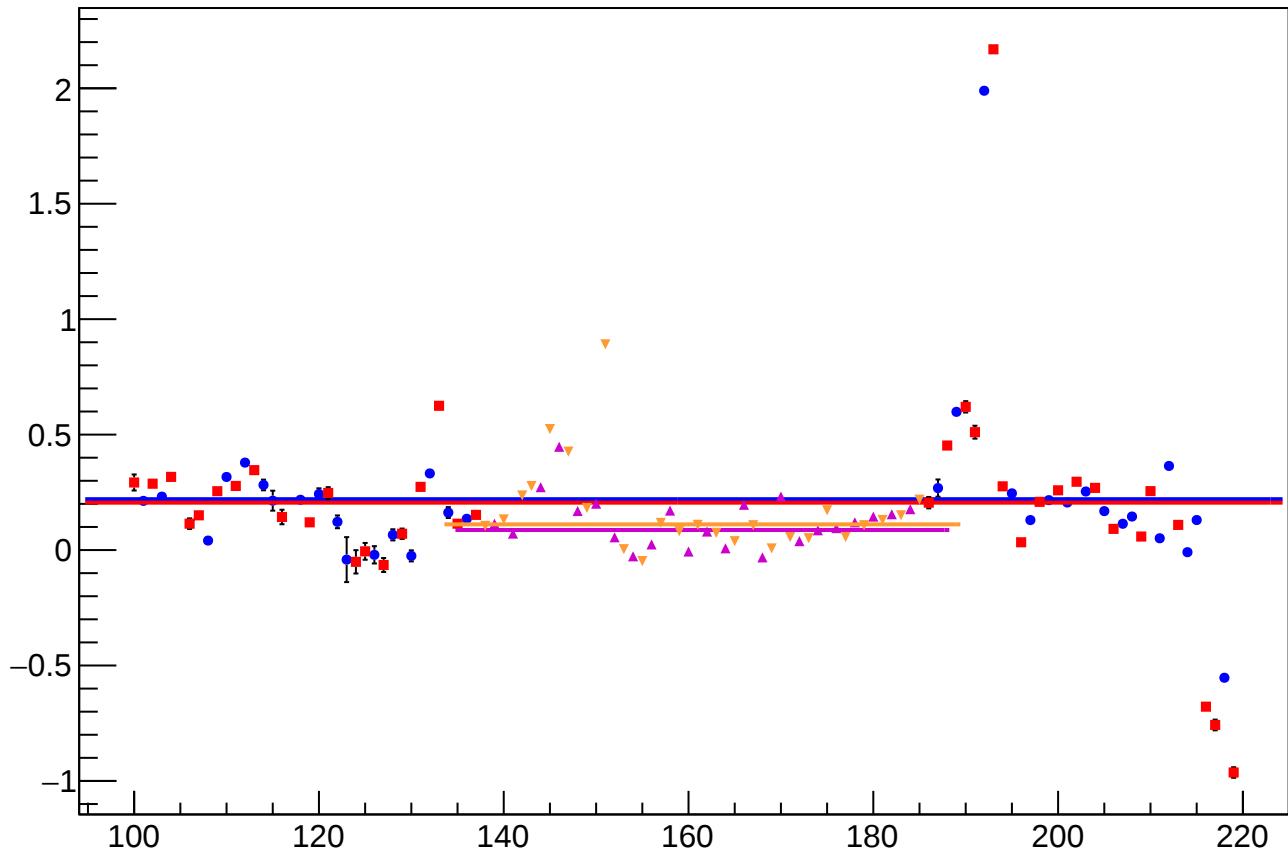
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.104 ± 0.030 χ^2/NDF : 12208.7/57

All: -0.985 ± 0.020 χ^2/NDF : 23827.7/117

- sign -0.877 ± 0.028 χ^2/NDF : 11588.2/59

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.220 $\pm$ 0.002 χ^2 /NDF: 13461.2/32

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4474.5/24

Right Out: 0.205 $\pm$ 0.002 χ^2 /NDF: 18455.5/36

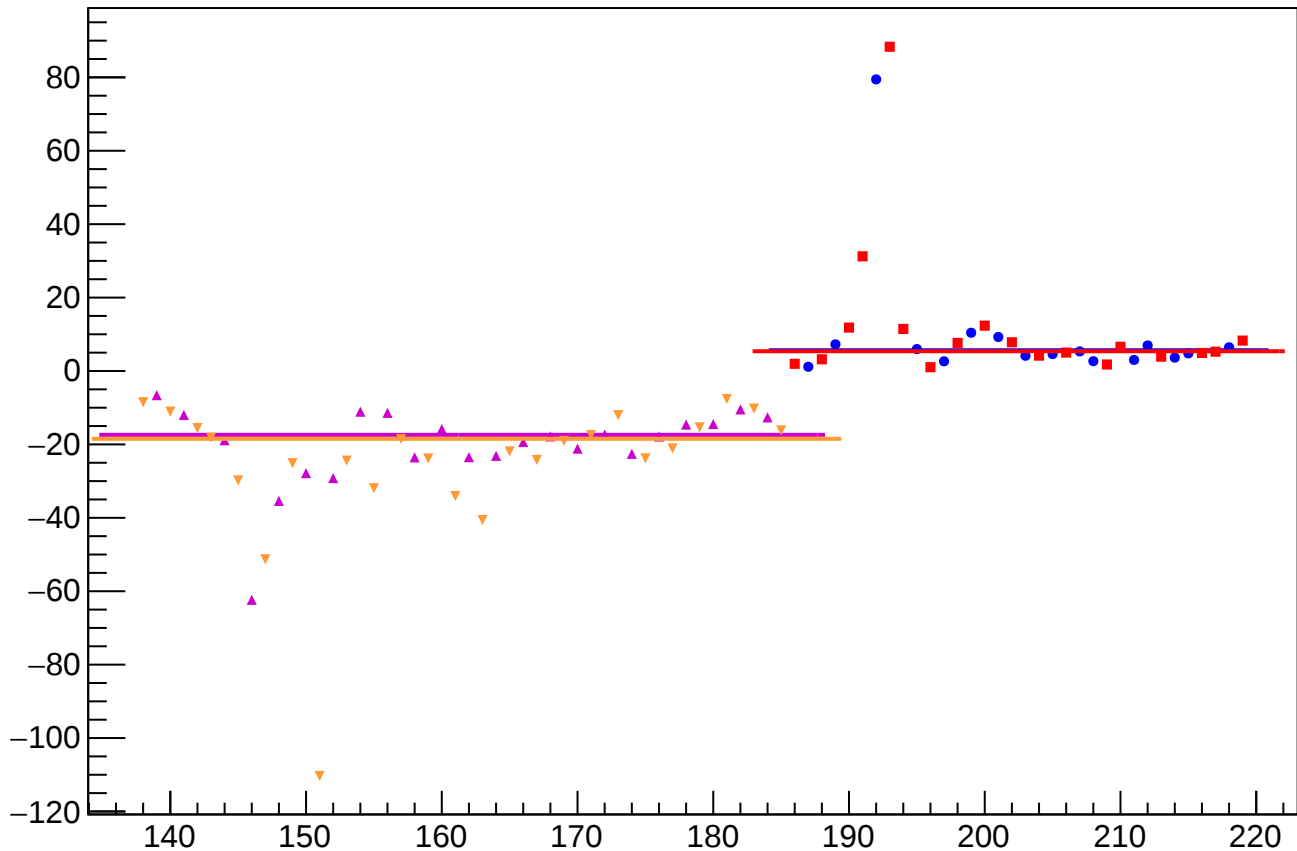
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3598.5/22

+ sign 0.146 $\pm$ 0.001 χ^2 /NDF: 19418.7/57

All: 0.134 $\pm$ 0.001 χ^2 /NDF: 43526.2/117

- sign 0.123 $\pm$ 0.001 χ^2 /NDF: 23941.6/59

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 5.645 ± 0.047 χ^2/NDF : 26219.9/15

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 5.379 ± 0.045 χ^2/NDF : 26914.2/17

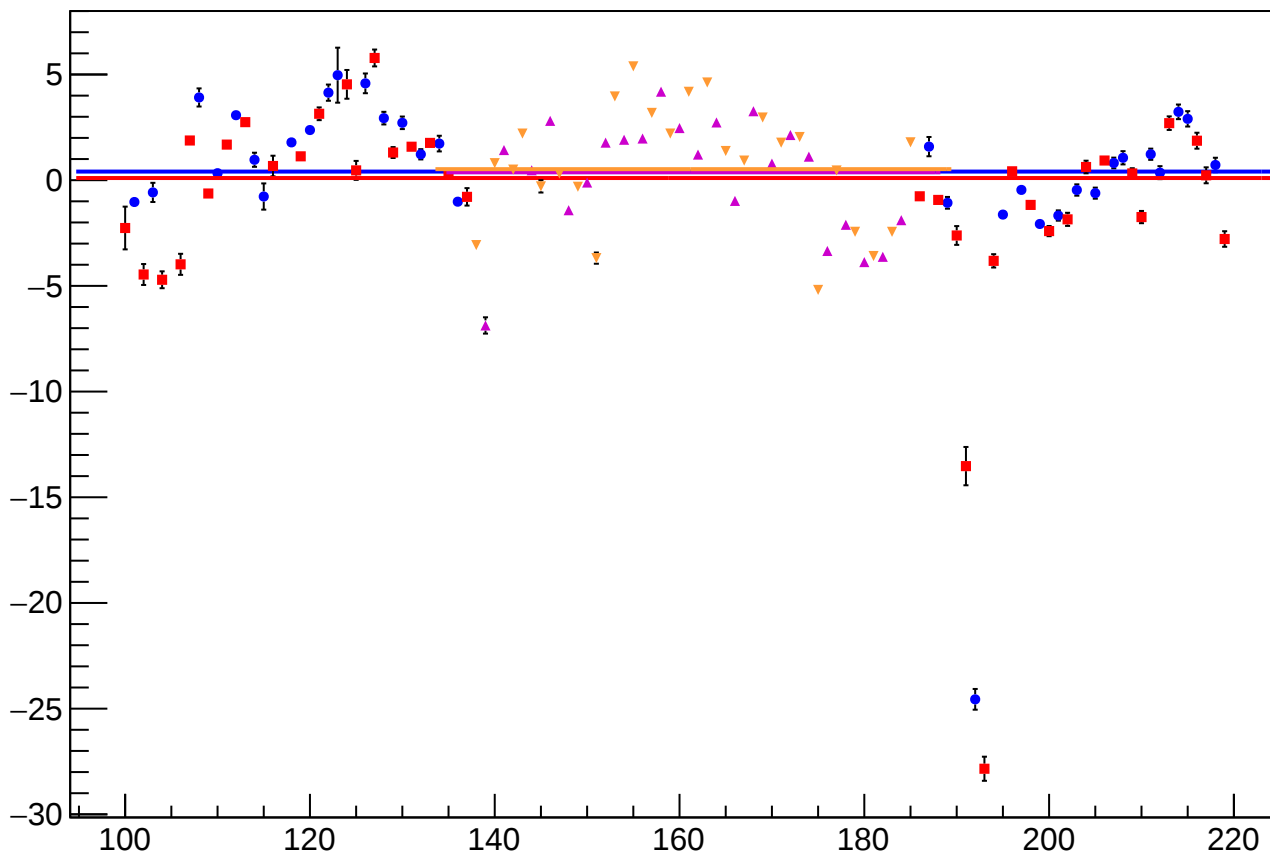
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -8.530 ± 0.030 χ^2/NDF : 266380.0/40

All: -8.114 ± 0.021 χ^2/NDF : 481949.6/81

- sign -7.721 ± 0.030 χ^2/NDF : 215205.3/40

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.407 ± 0.046 $\chi^2/\text{NDF}: 3954.9/32$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.102 ± 0.044 $\chi^2/\text{NDF}: 4450.0/36$

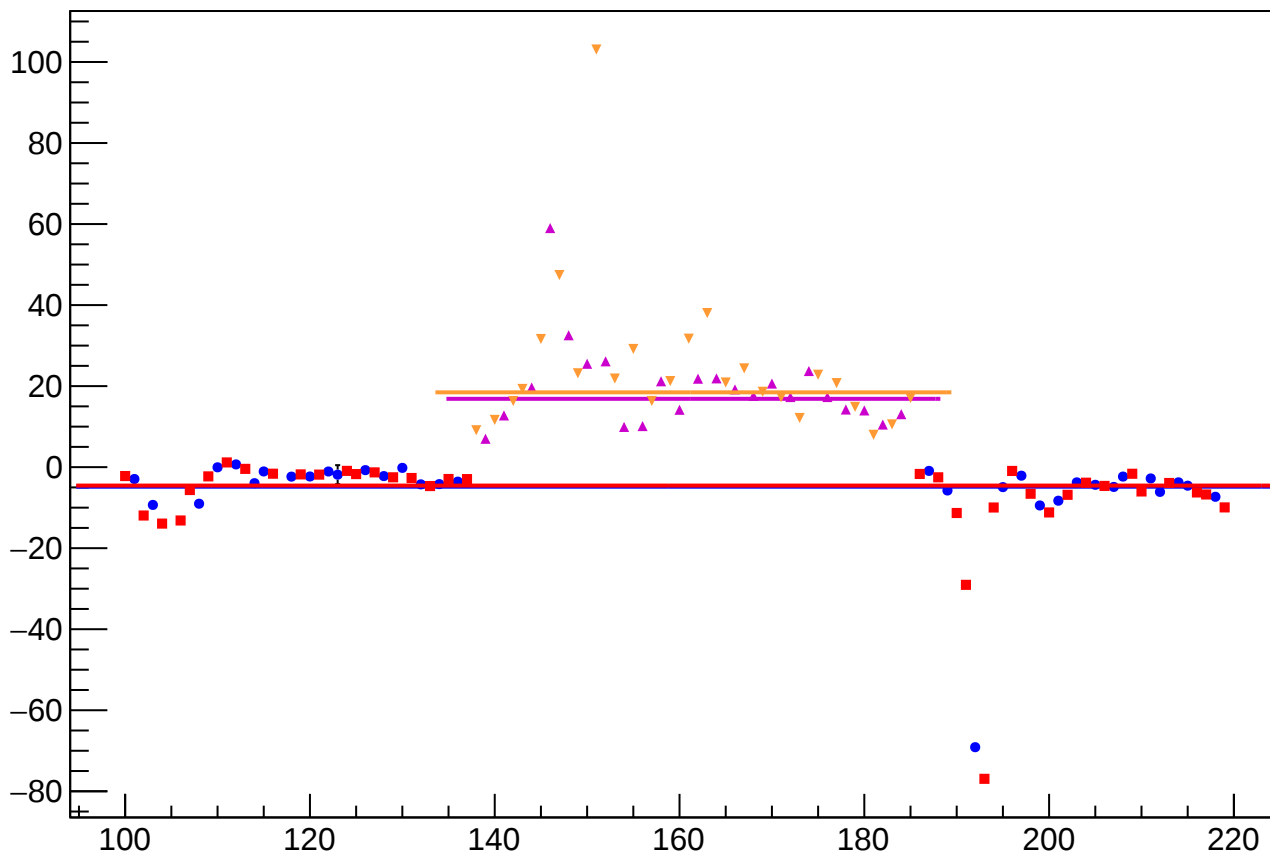
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.483 ± 0.027 $\chi^2/\text{NDF}: 11014.0/57$

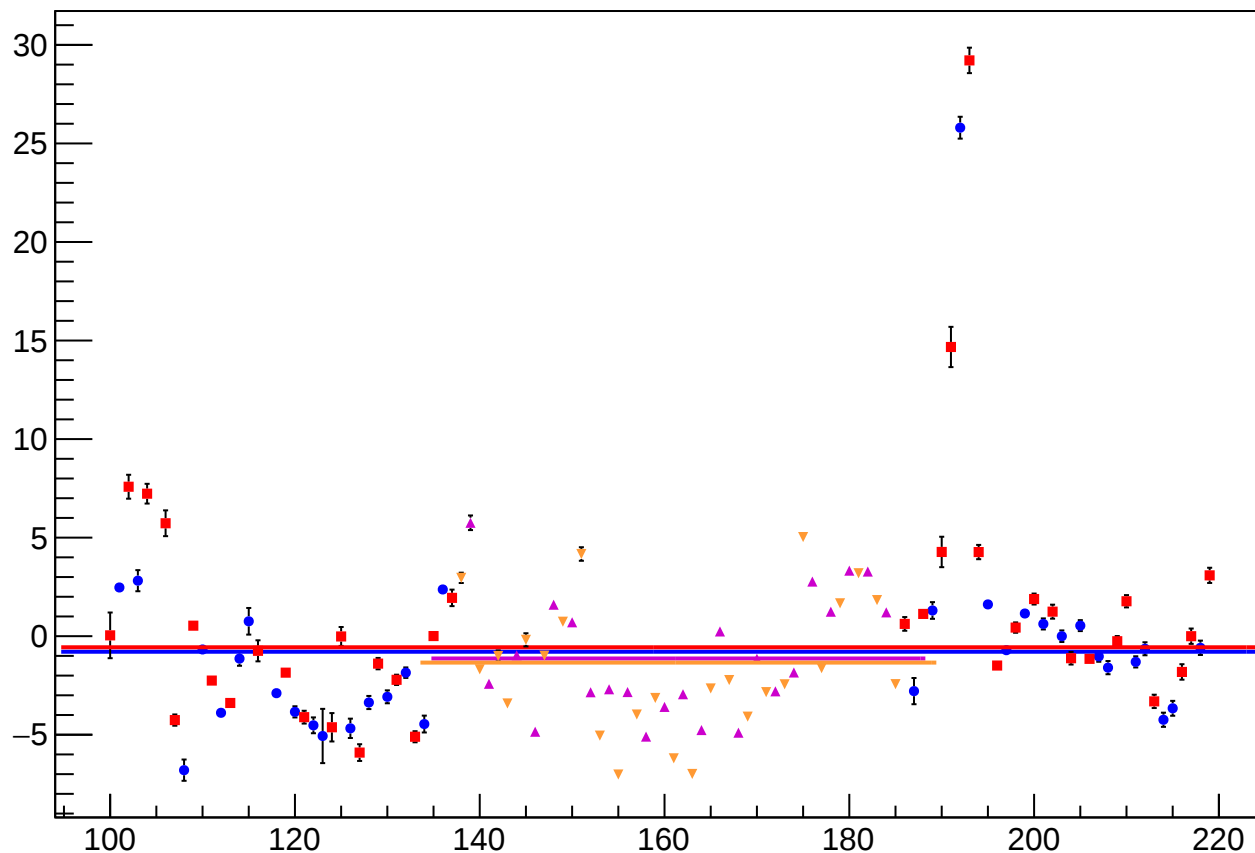
All: 0.376 ± 0.018 $\chi^2/\text{NDF}: 21736.4/117$

- sign 0.280 ± 0.026 $\chi^2/\text{NDF}: 10692.4/59$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.789 ± 0.053 $\chi^2/\text{NDF}: 4071.7/32$

Left Out: -1.340 ± 0.037 $\chi^2/\text{NDF}: 7907.4/24$

Right Out: -0.563 ± 0.050 $\chi^2/\text{NDF}: 4694.8/36$

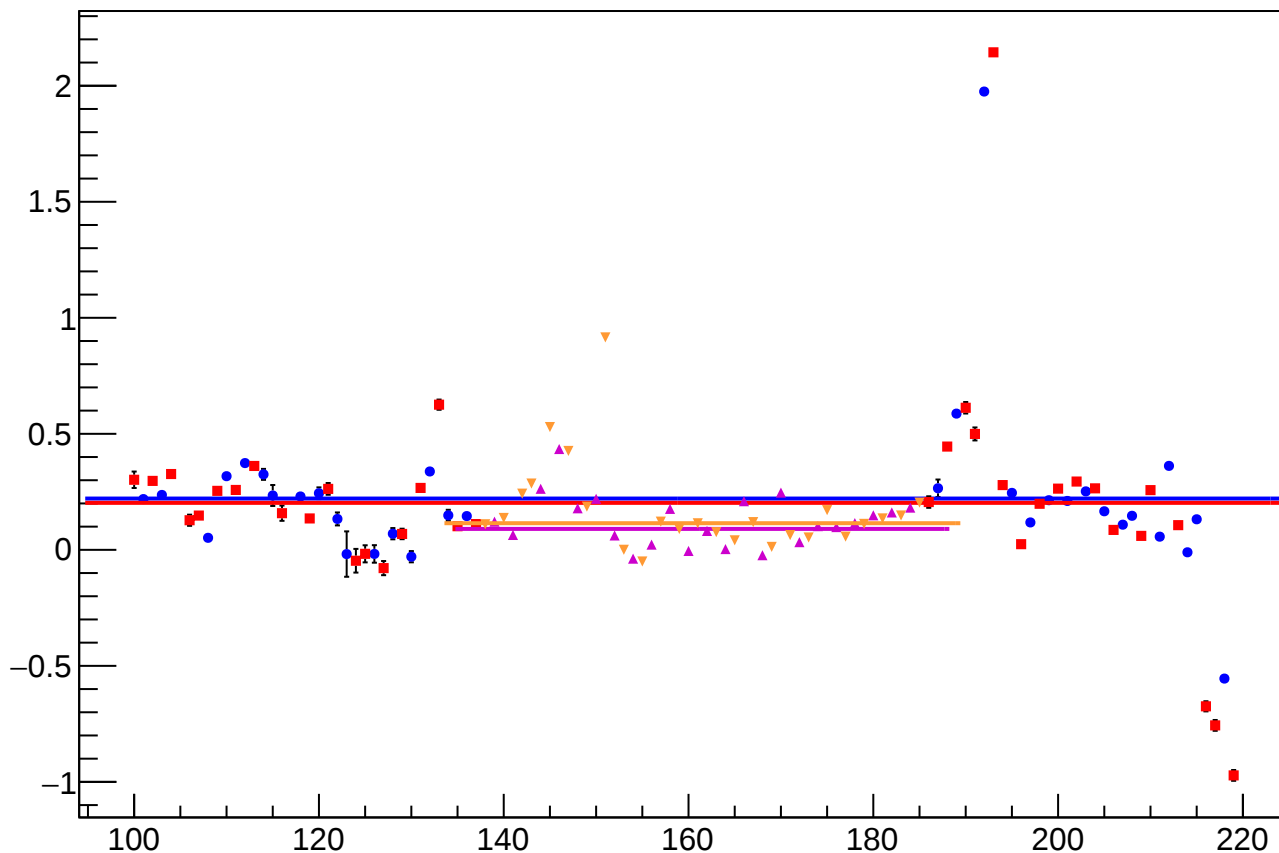
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.162 ± 0.030 $\chi^2/\text{NDF}: 12052.3/57$

All: -1.050 ± 0.021 $\chi^2/\text{NDF}: 23568.1/117$

- sign -0.948 ± 0.029 $\chi^2/\text{NDF}: 11489.4/59$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.221 ± 0.002 χ^2/NDF : 13198.3/32

Left Out: 0.115 ± 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.203 ± 0.002 χ^2/NDF : 18199.5/36

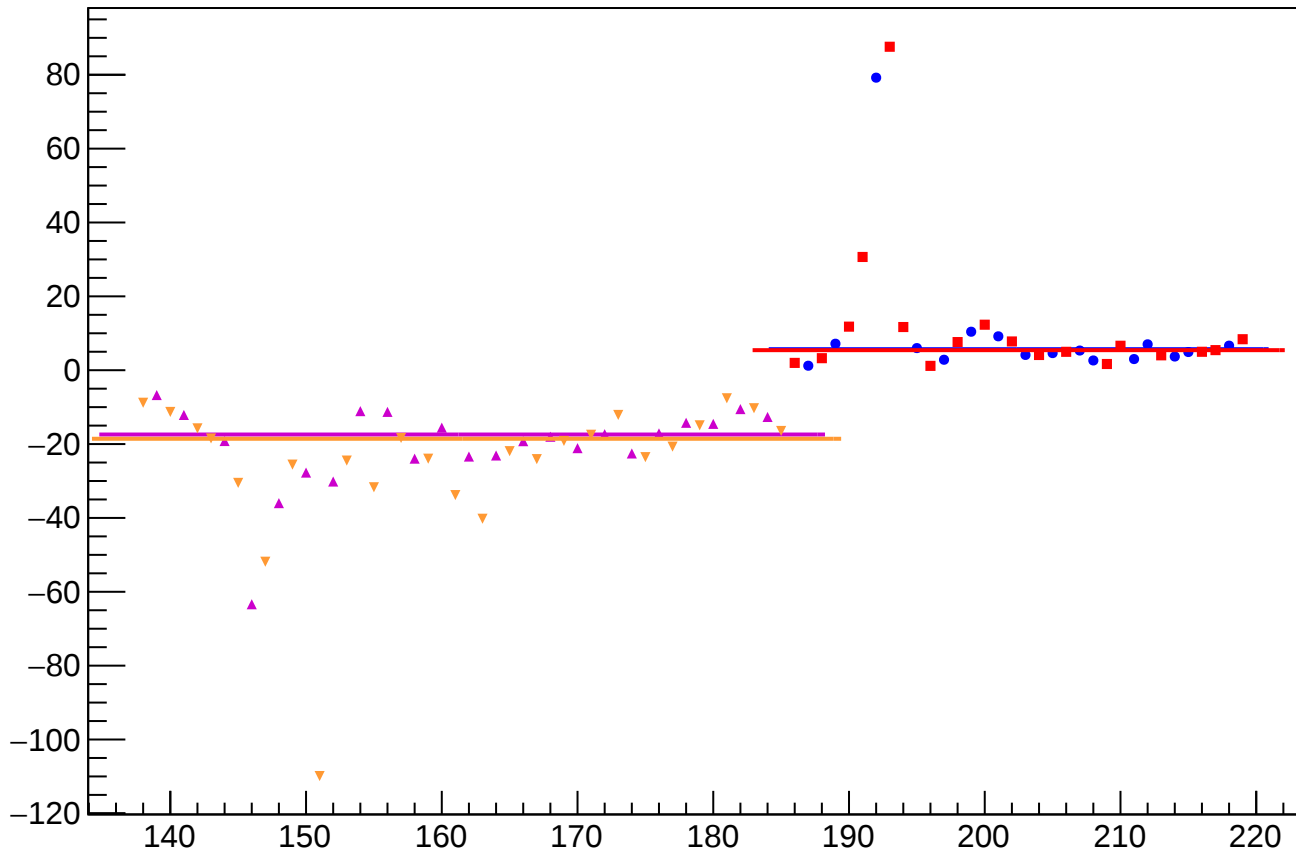
Left In: 0.090 ± 0.002 χ^2/NDF : 3676.5/22

+ sign 0.149 ± 0.001 χ^2/NDF : 19000.2/57

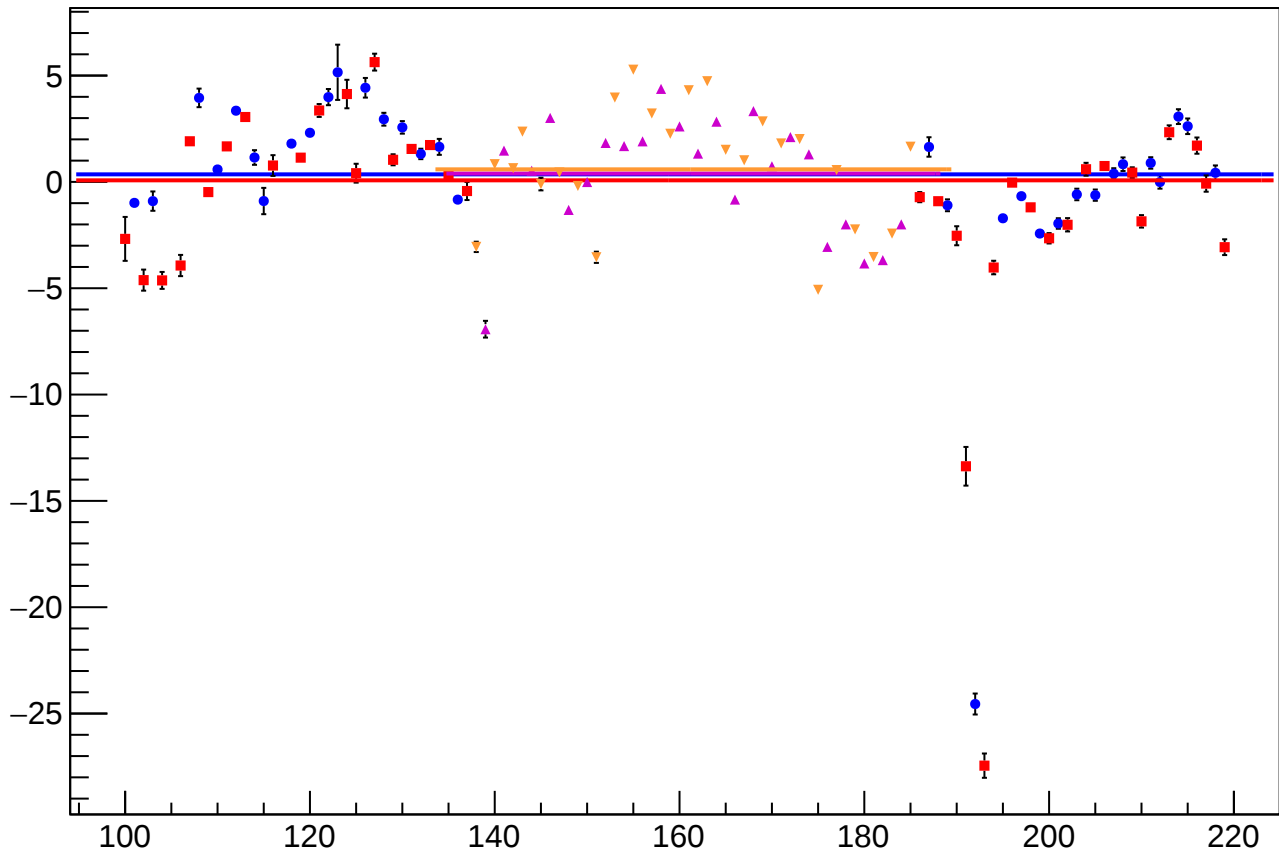
All: 0.136 ± 0.001 χ^2/NDF : 42696.3/117

- sign 0.125 ± 0.001 χ^2/NDF : 23522.1/59

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.355 ± 0.047 χ^2/NDF : 3969.6/32

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.074 ± 0.044 χ^2/NDF : 4397.1/36

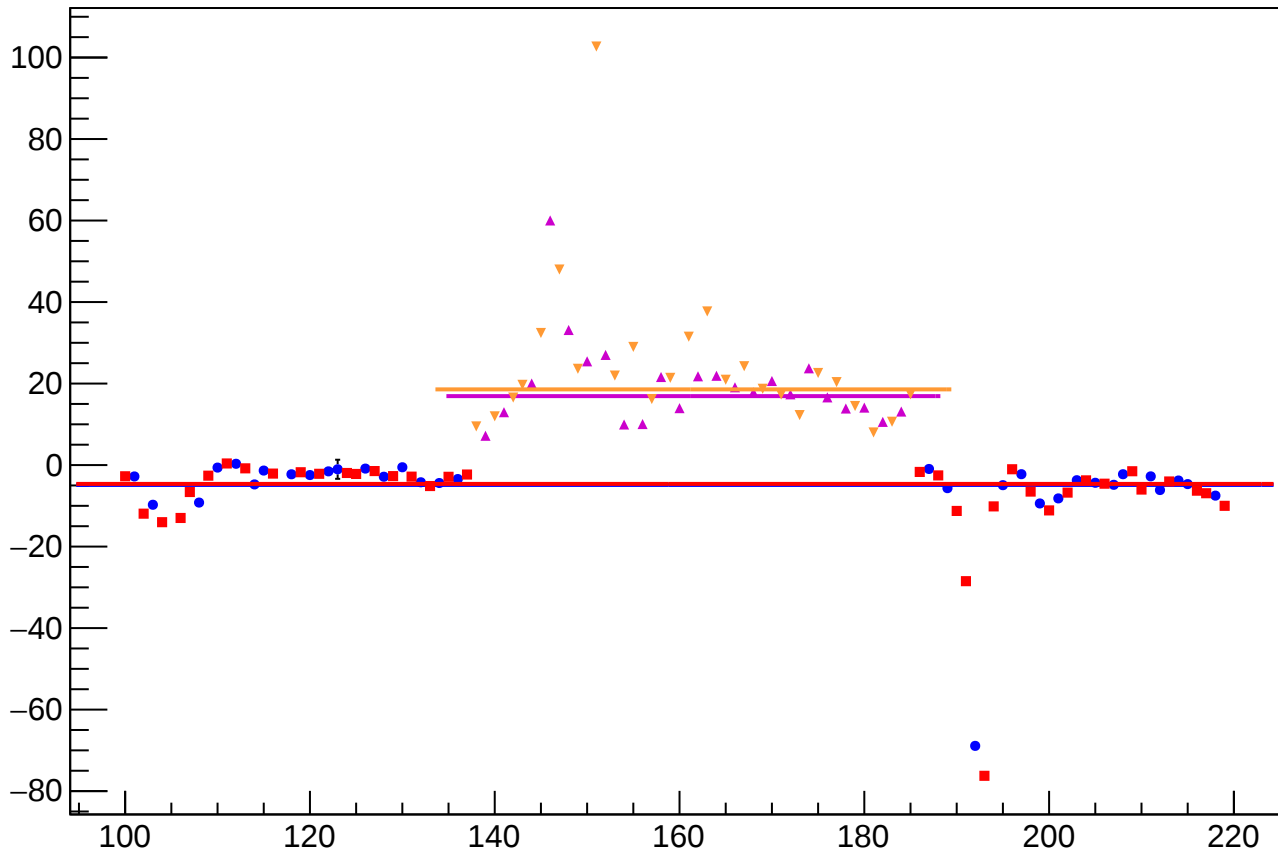
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.511 ± 0.027 χ^2/NDF : 10783.0/57

All: 0.393 ± 0.019 χ^2/NDF : 21310.7/117

- sign 0.286 ± 0.026 χ^2/NDF : 10491.4/59

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -4.871 ± 0.043 χ^2/NDF : 26557.5/32

Left Out: 18.573 ± 0.040 χ^2/NDF : 76029.9/24

Right Out: -4.621 ± 0.040 χ^2/NDF : 28114.2/36

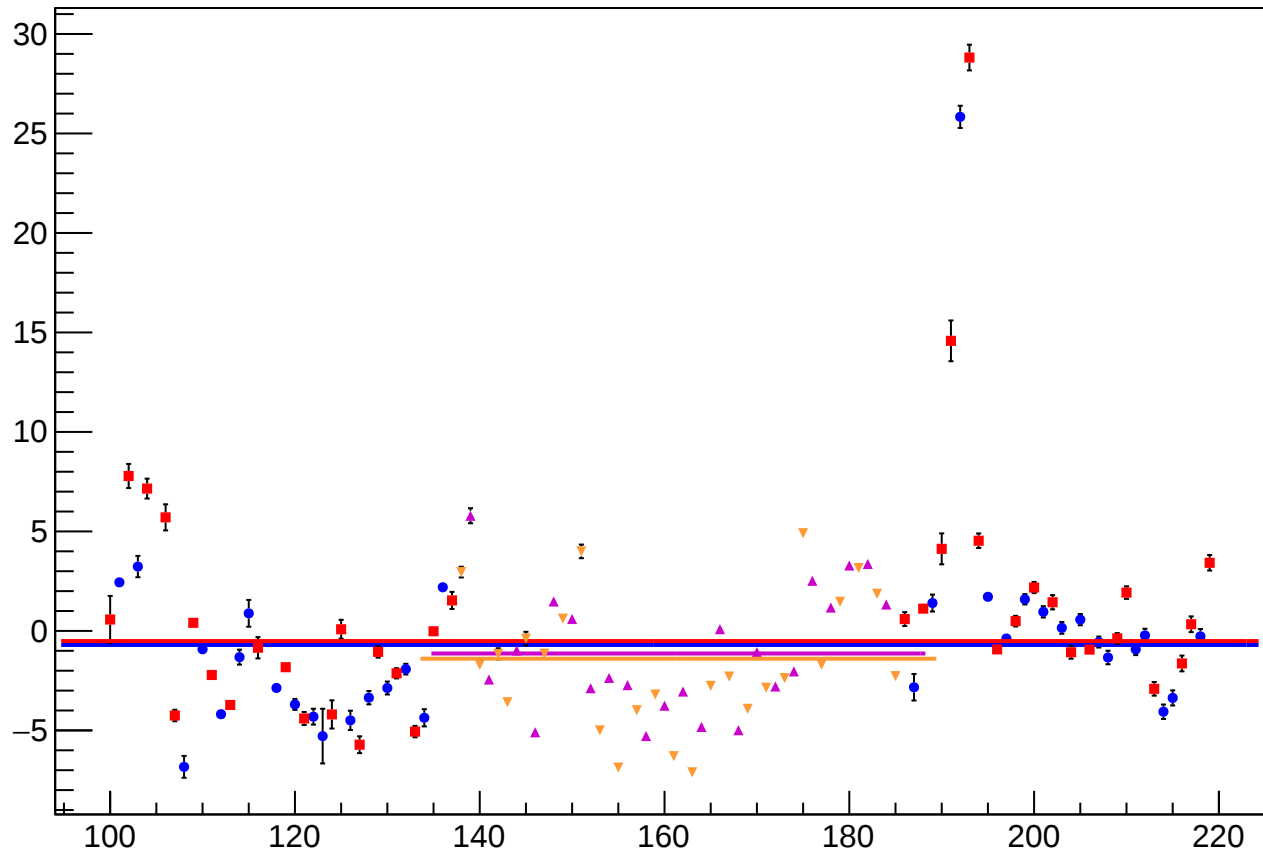
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 7.573 ± 0.029 χ^2/NDF : 261682.2/57

All: 6.929 ± 0.020 χ^2/NDF : 481230.1/117

- sign 6.352 ± 0.028 χ^2/NDF : 218633.2/59

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.705 ± 0.054 $\chi^2/\text{NDF}: 4047.4/32$

Left Out: -1.396 ± 0.037 $\chi^2/\text{NDF}: 7651.5/24$

Right Out: -0.510 ± 0.051 $\chi^2/\text{NDF}: 4634.0/36$

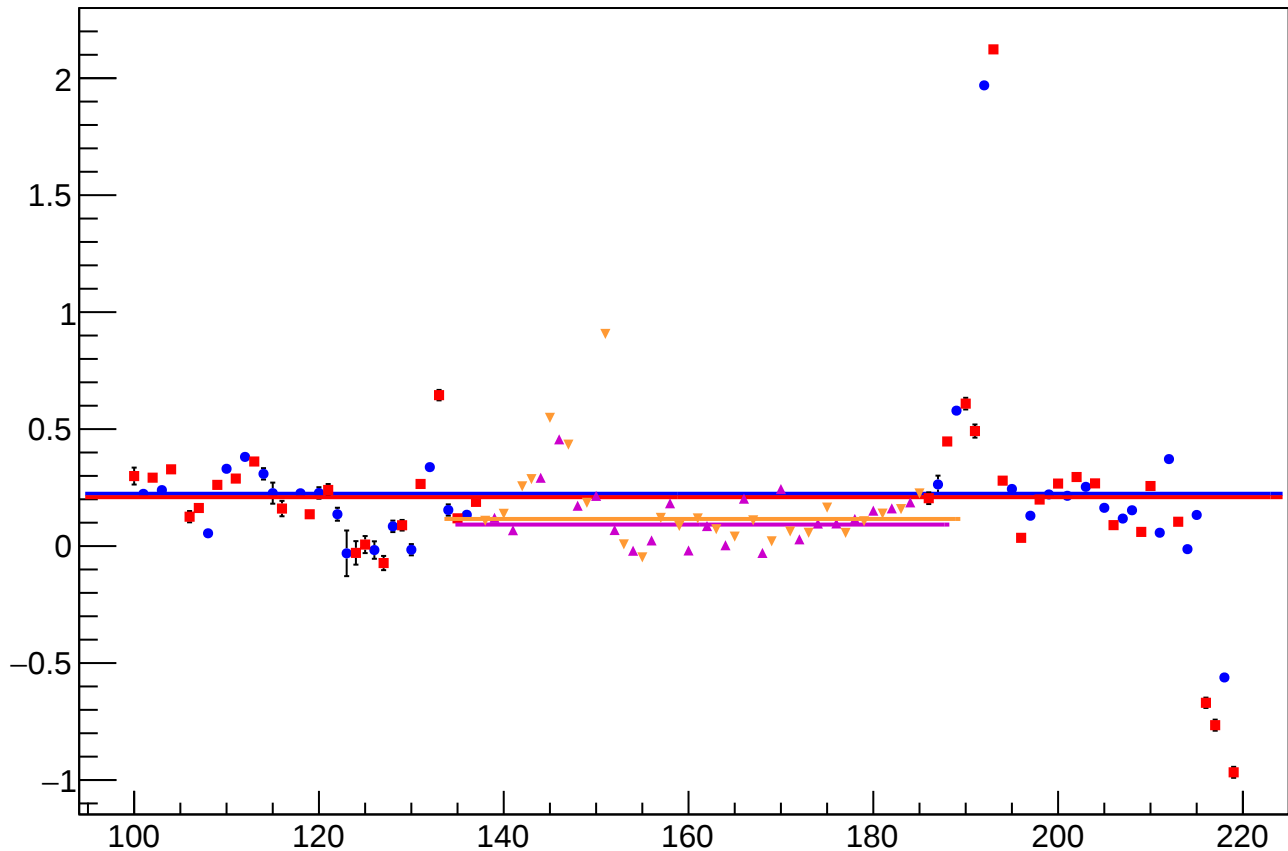
Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

+ sign -1.174 ± 0.030 $\chi^2/\text{NDF}: 11811.9/57$

All: -1.048 ± 0.021 $\chi^2/\text{NDF}: 23177.4/117$

- sign -0.934 ± 0.029 $\chi^2/\text{NDF}: 11332.9/59$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.224 ± 0.002 χ^2/NDF : 12939.5/32

Left Out: 0.116 ± 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.209 ± 0.002 χ^2/NDF : 17640.3/36

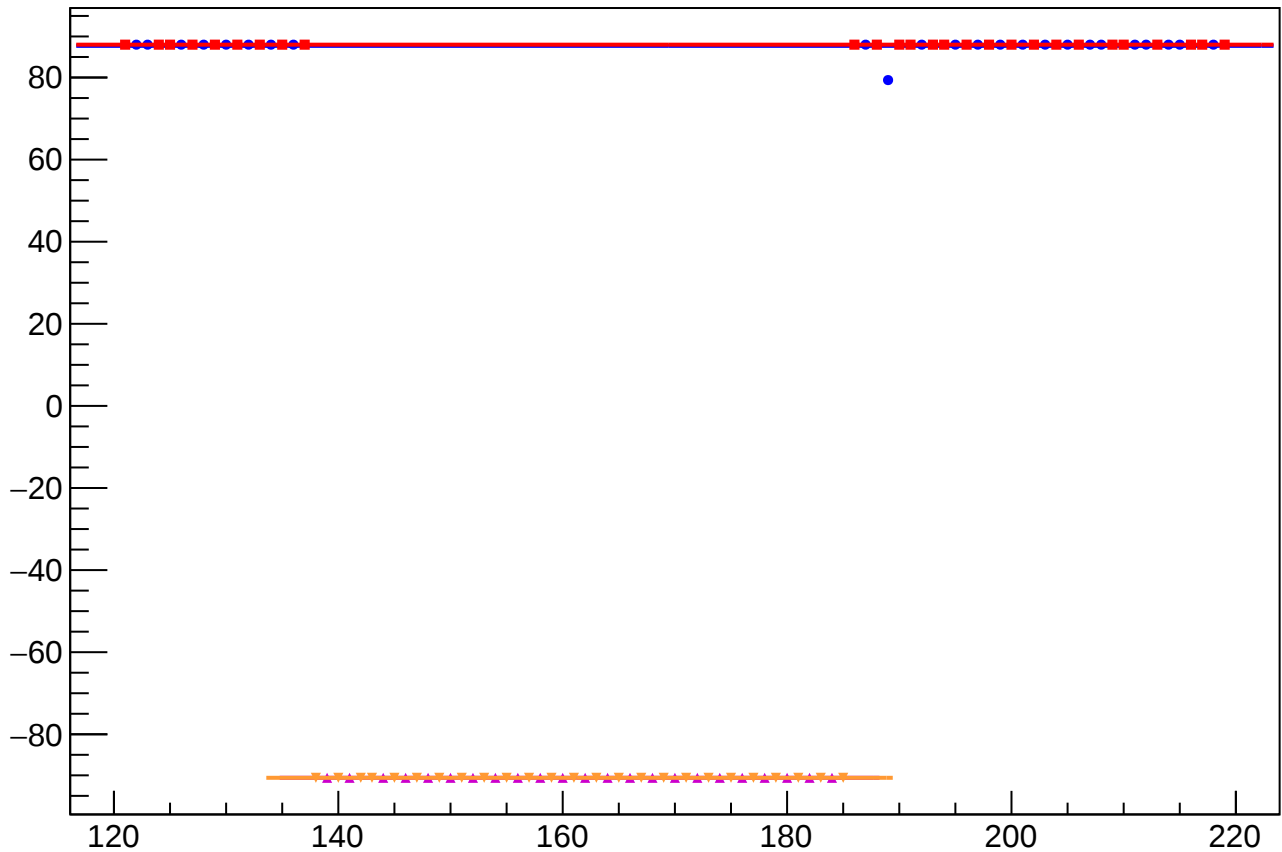
Left In: 0.092 ± 0.002 χ^2/NDF : 3631.4/22

+ sign 0.151 ± 0.001 χ^2/NDF : 18779.2/57

All: 0.139 ± 0.001 χ^2/NDF : 41943.6/117

- sign 0.128 ± 0.001 χ^2/NDF : 23012.8/59

VWienAngle_mean vs Slug



Right In: 87.712+/-0.000 χ^2/NDF : 3669102942616927009374861573226496.0/23

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 1624472.9/26

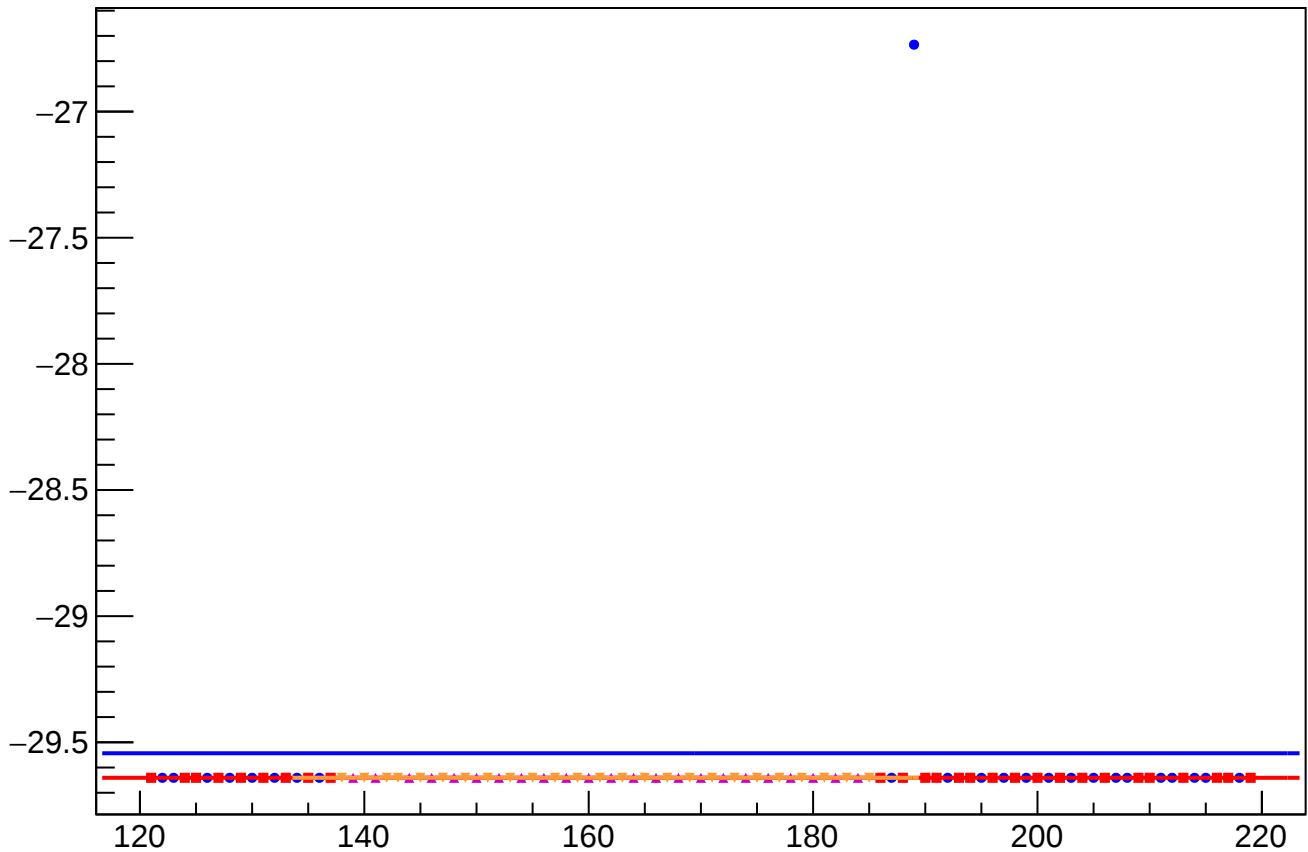
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -11.465+/-0.000 χ^2/NDF : 269547195534102

All: -9.138+/-0.000 χ^2/NDF : 5409793077554

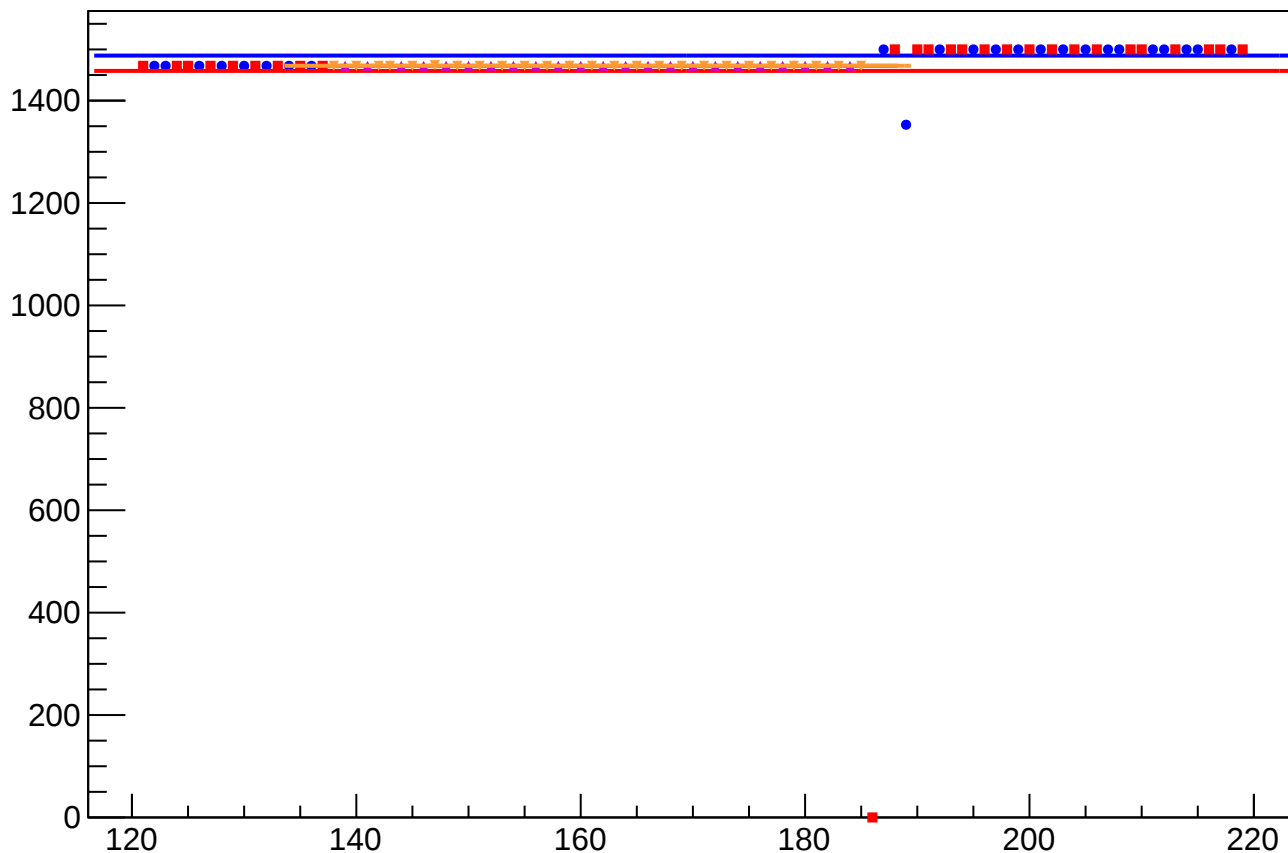
- sign -6.795+/-0.000 χ^2/NDF : 27105889830468914

HWienAngle_mean vs Slug



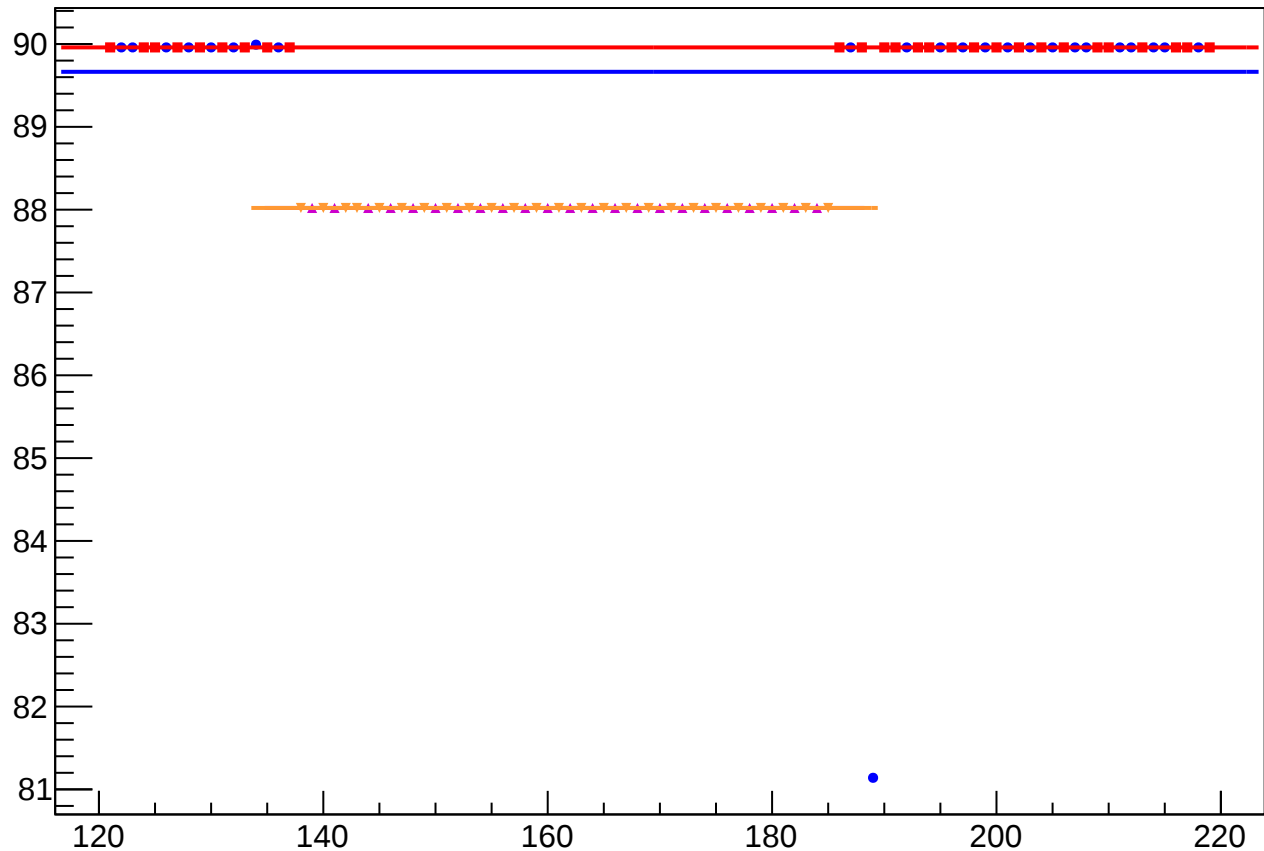
Right In: -29.543+/-0.000 χ^2/NDF : 416259938374711473294676745781248.0/23
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.598+/-0.000 χ^2/NDF : 424276075196872
Right Out: -29.641+/-0.000 χ^2/NDF : 1635920.8/26 All: -29.619+/-0.000 χ^2/NDF : 427463858919
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2497016.1/49

psub_pl_pos_mean vs Slug



Right In: 1487.957+/-0.000 χ^2/NDF : 1229479811525084622300428342472474624.0/23
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24
 Right Out: 1458.058+/-0.000 χ^2/NDF : 83007557534286417755834562519731535872.0/26
 Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

Phi_FG_mean vs Slug



Right In: 89.665+/-0.000 χ^2/NDF : 3834676034784134828435102259740672.0/23

Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24

Right Out: 89.959+/-0.000 χ^2/NDF : 4758913.9/26

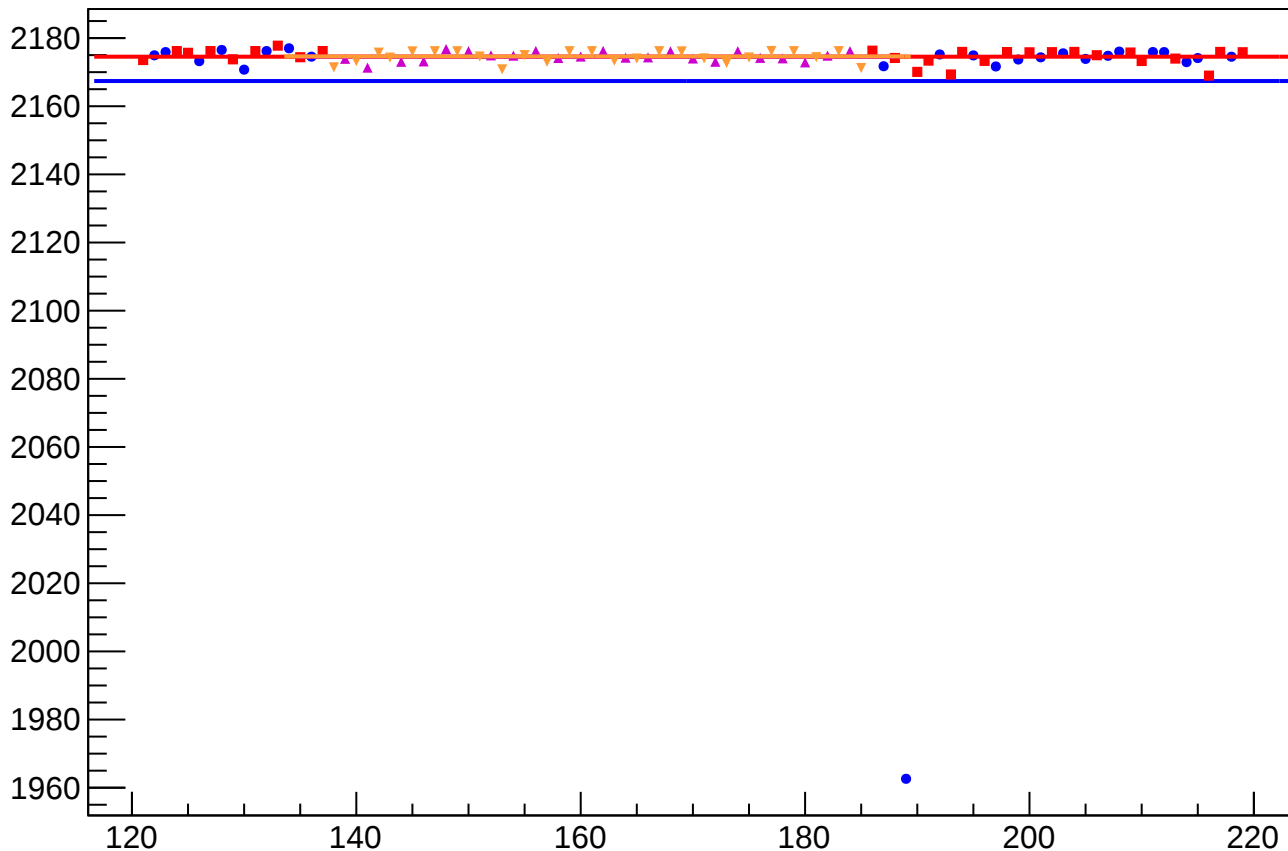
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.750+/-0.000 χ^2/NDF : 6125399085457784

All: 88.840+/-0.000 χ^2/NDF : 9374453715744

- sign 88.930+/-0.000 χ^2/NDF : 3193554824745045

HALLA_p_mean vs Slug



Right In: 2167.395+/-0.000 χ^2/NDF : 2215640241400770666077011645281861632.0/23

Left Out: 2174.622+/-0.000 χ^2/NDF : 5110578135476093110874911595823104.0/24

Right Out: 2174.538+/-0.000 χ^2/NDF : 7287483634271028865642845219848192.0/26

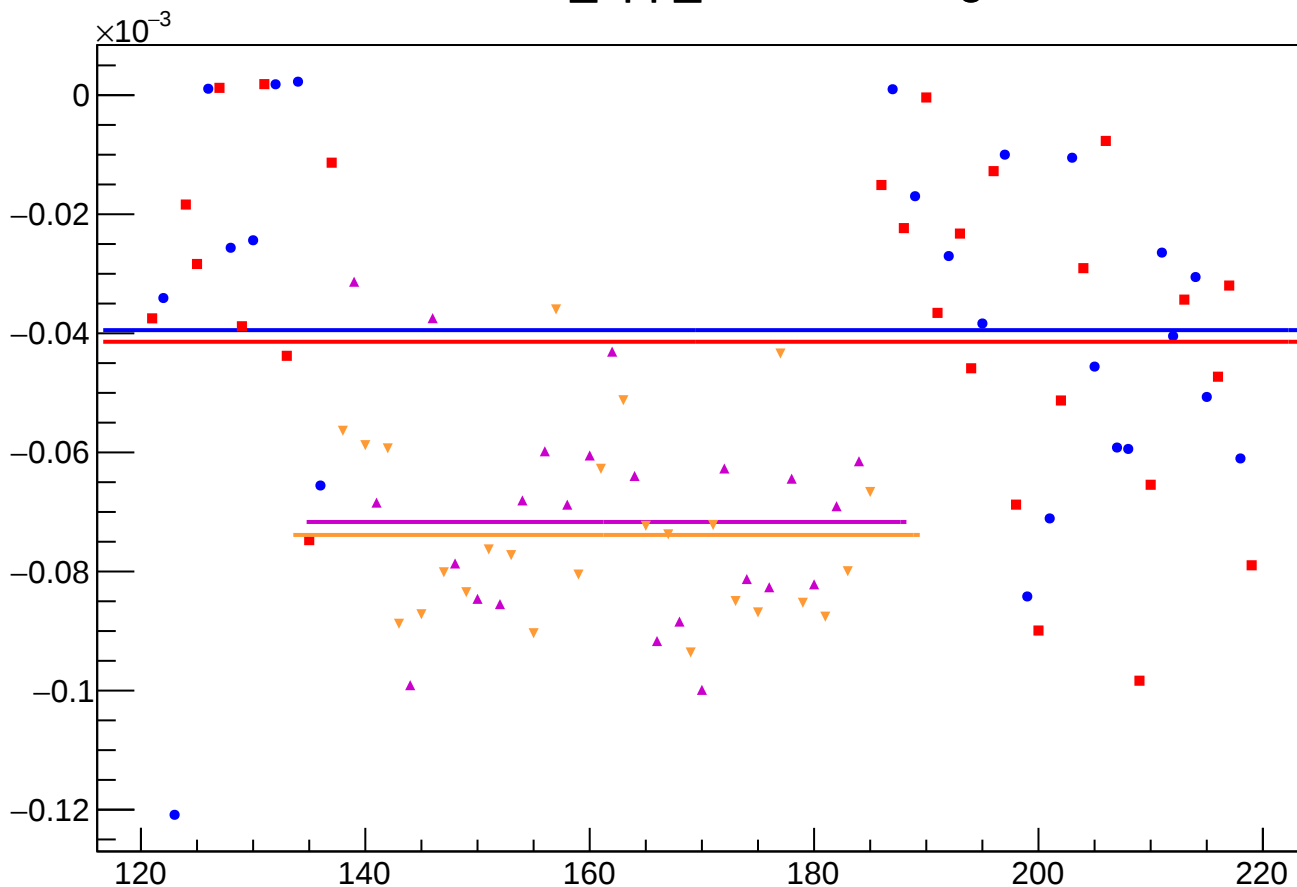
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2171.415+/-0.000 χ^2/NDF : 22650175885345

All: 2172.972+/-0.000 χ^2/NDF : 22924054812

- sign 2174.539+/-0.000 χ^2/NDF : 10688226820156

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 869106677147903952158720.0/23

Left Out: -0.000 ± 0.000 χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 1247090835950715807989760.0/26

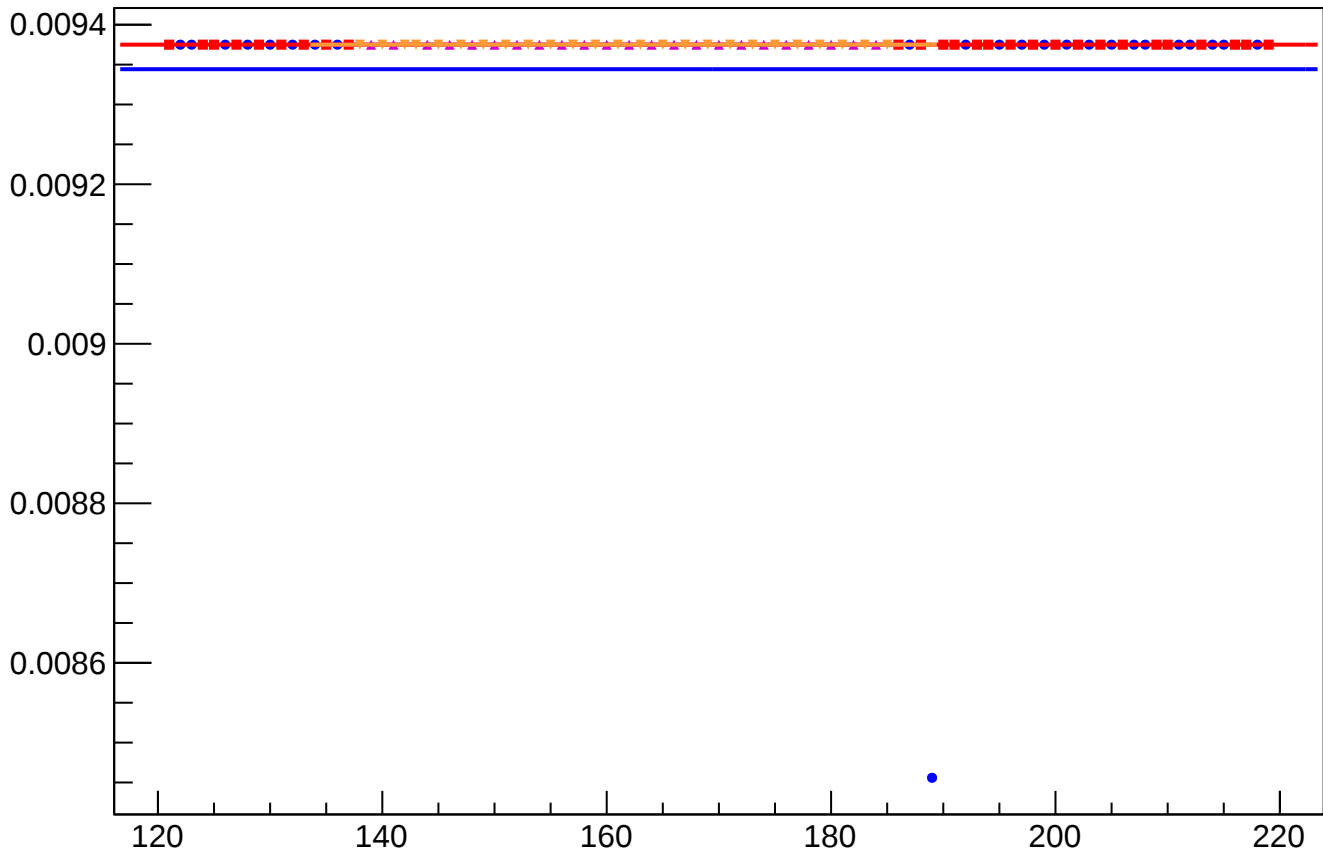
Left In: -0.000 ± 0.000 χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 2322267454449798

All: -0.000 ± 0.000 χ^2/NDF : 4912010448013

- sign -0.000 ± 0.000 χ^2/NDF : 25876189080683543

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41641864361393116124545024.0/23

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

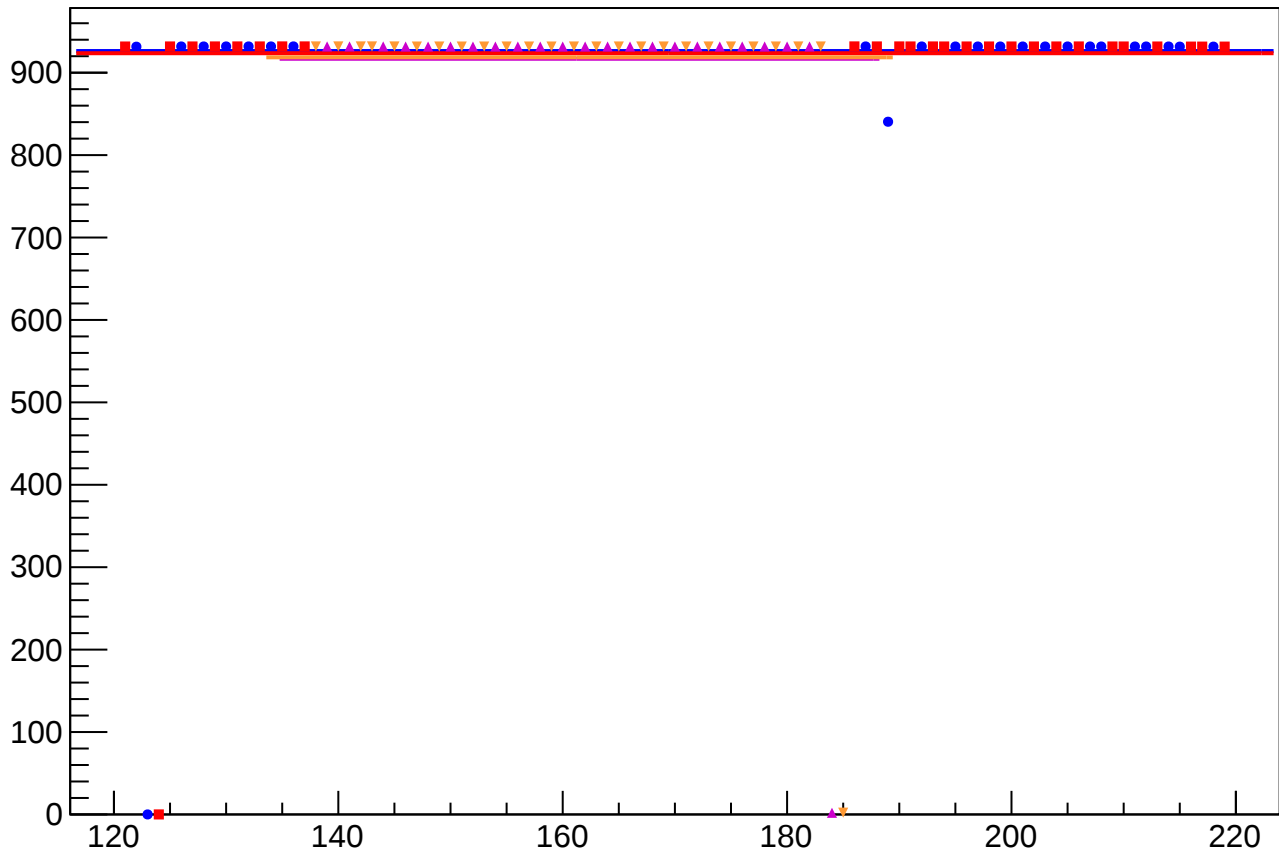
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42443783670645246

All: 0.009+/-0.000 χ^2/NDF : 42762683581867

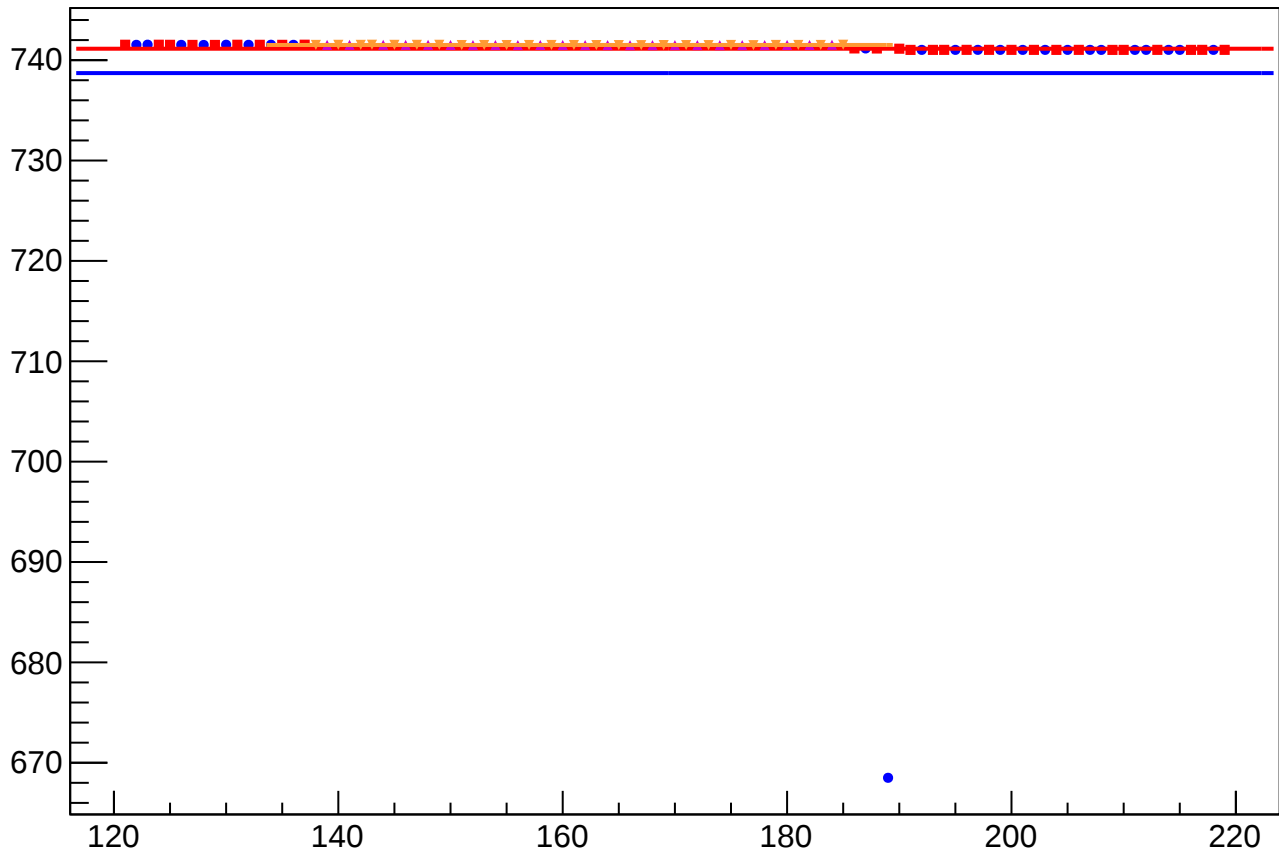
- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 926.267+/-0.000 χ^2/NDF : 3851330283291702233035832041081405440.0/23
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 923.623+/-0.000 χ^2/NDF : 12047653448681008205248449089676247040.0/26
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



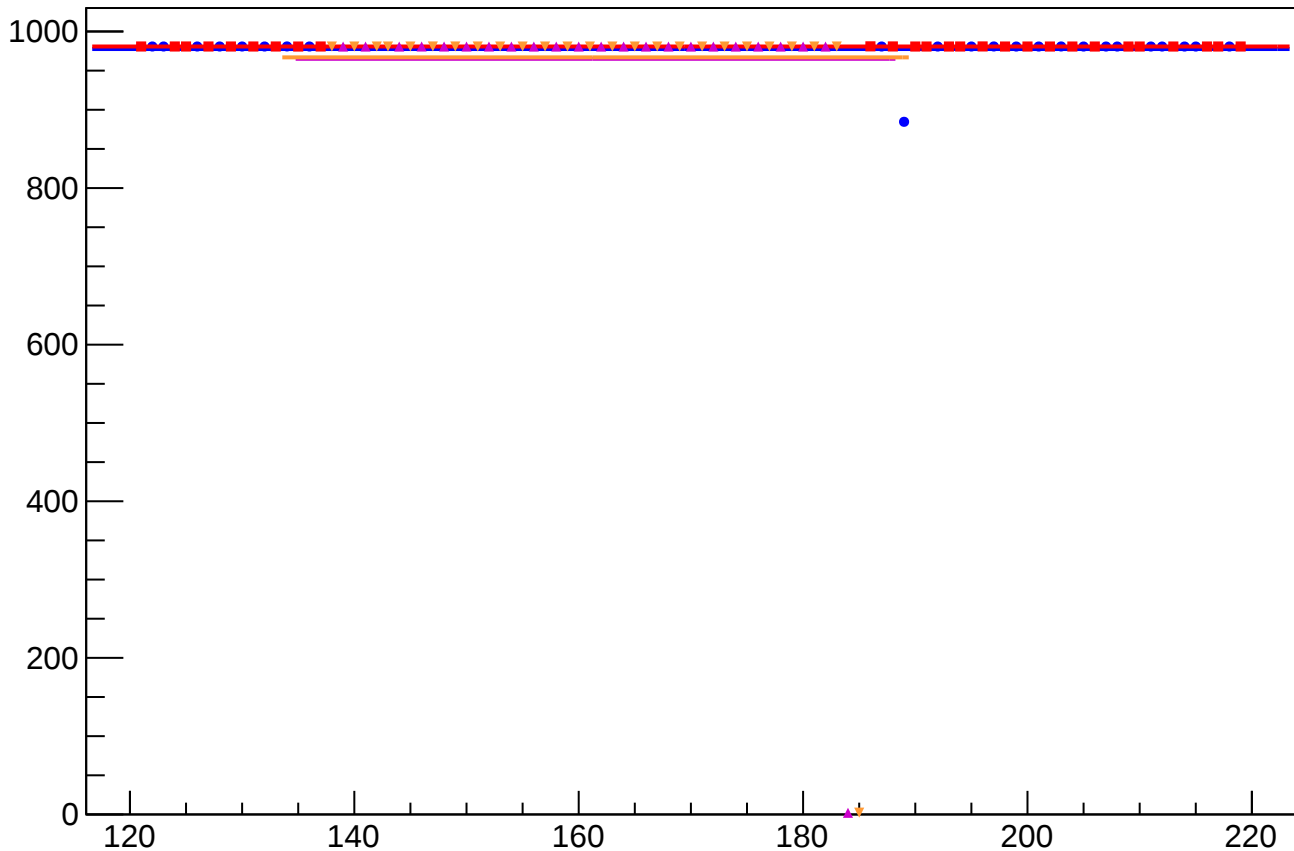
Right In: 738.712 $\pm$ 0.000 χ^2 /NDF: 260178321843173425327284063169413120.0/23

Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 244782737401533731539808944128.0/24

Right Out: 741.140 $\pm$ 0.000 χ^2 /NDF: 62390899526182309743103892783104.0/26

Left In: 741.512 $\pm$ 0.000 χ^2 /NDF: 215375309108434607405602439168.0/22

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.590 $\pm$ 0.000 χ^2 /NDF: 455881646625906518826364840290811904.0/23

Left Out: 966.936 $\pm$ 0.000 χ^2 /NDF: 25485578616543458629432284645183979520.0/24

Right Out: 980.816 $\pm$ 0.000 χ^2 /NDF: 3536932158628458017817819611136.0/26

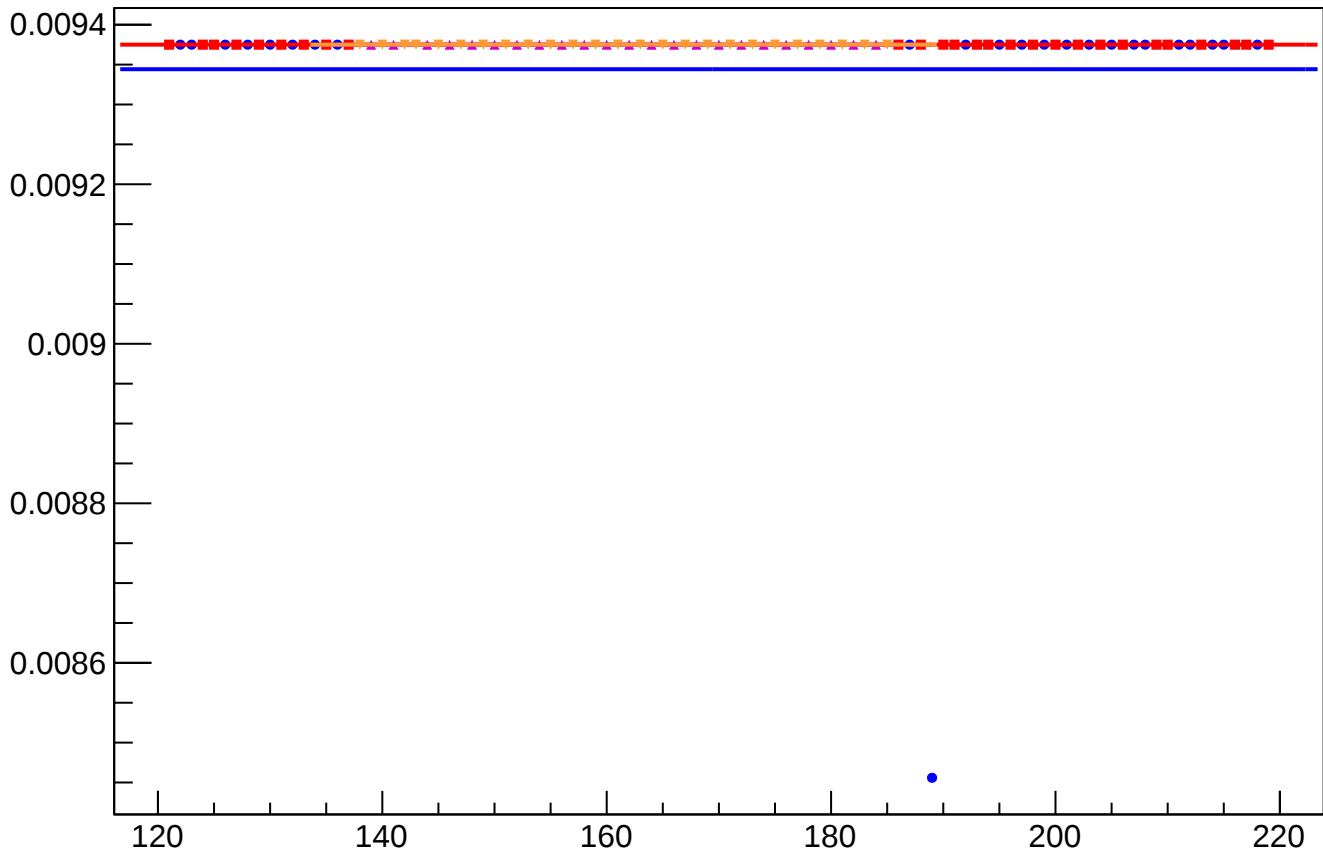
Left In: 965.102 $\pm$ 0.000 χ^2 /NDF: 27330319430012441419356351914146004992.0/22

+ sign 971.664 $\pm$ 0.000 χ^2 /NDF: 260376755443511

All: 972.069 $\pm$ 0.000 χ^2 /NDF: 535789501020

- sign 972.475 $\pm$ 0.000 χ^2 /NDF: 275401483545918

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41641864361393116124545024.0/23

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

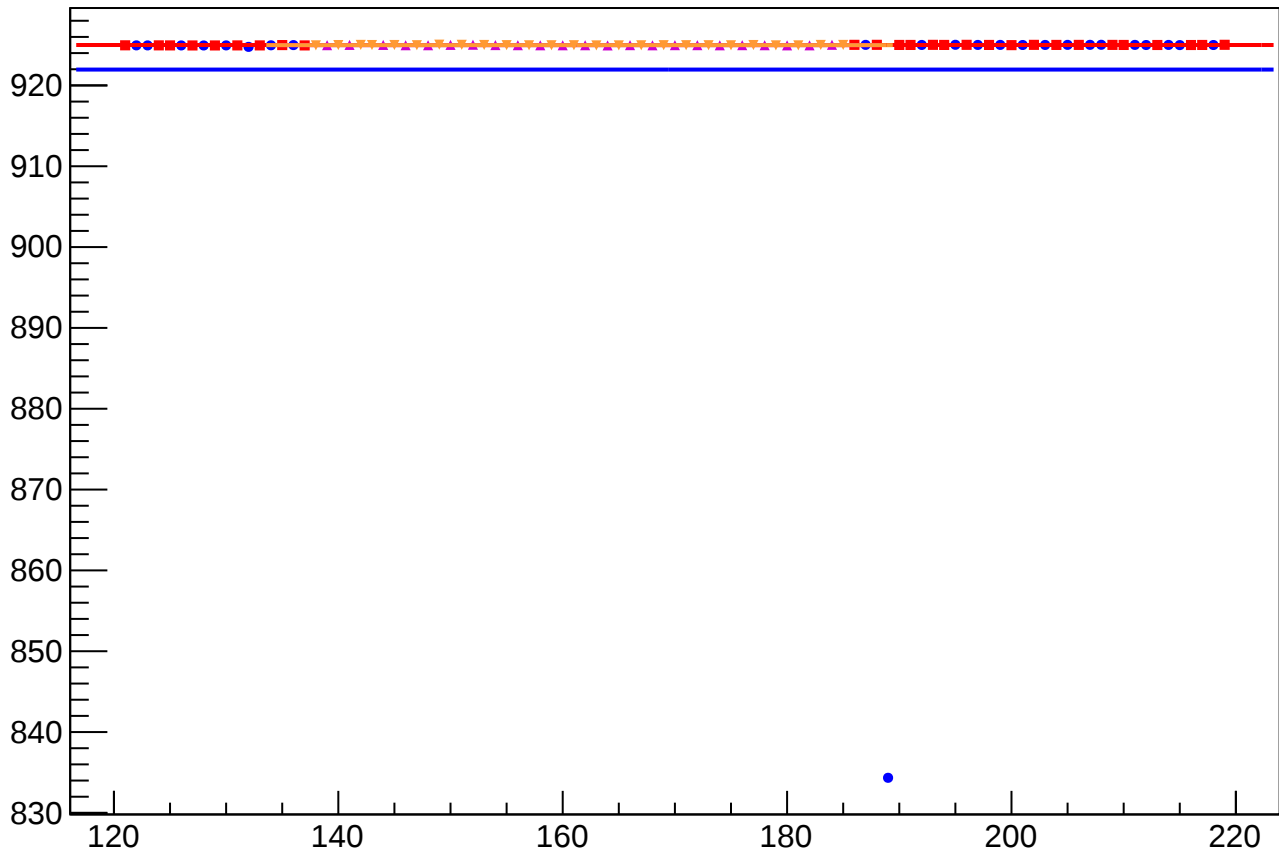
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42443783670645246

All: 0.009+/-0.000 χ^2/NDF : 42762683581867

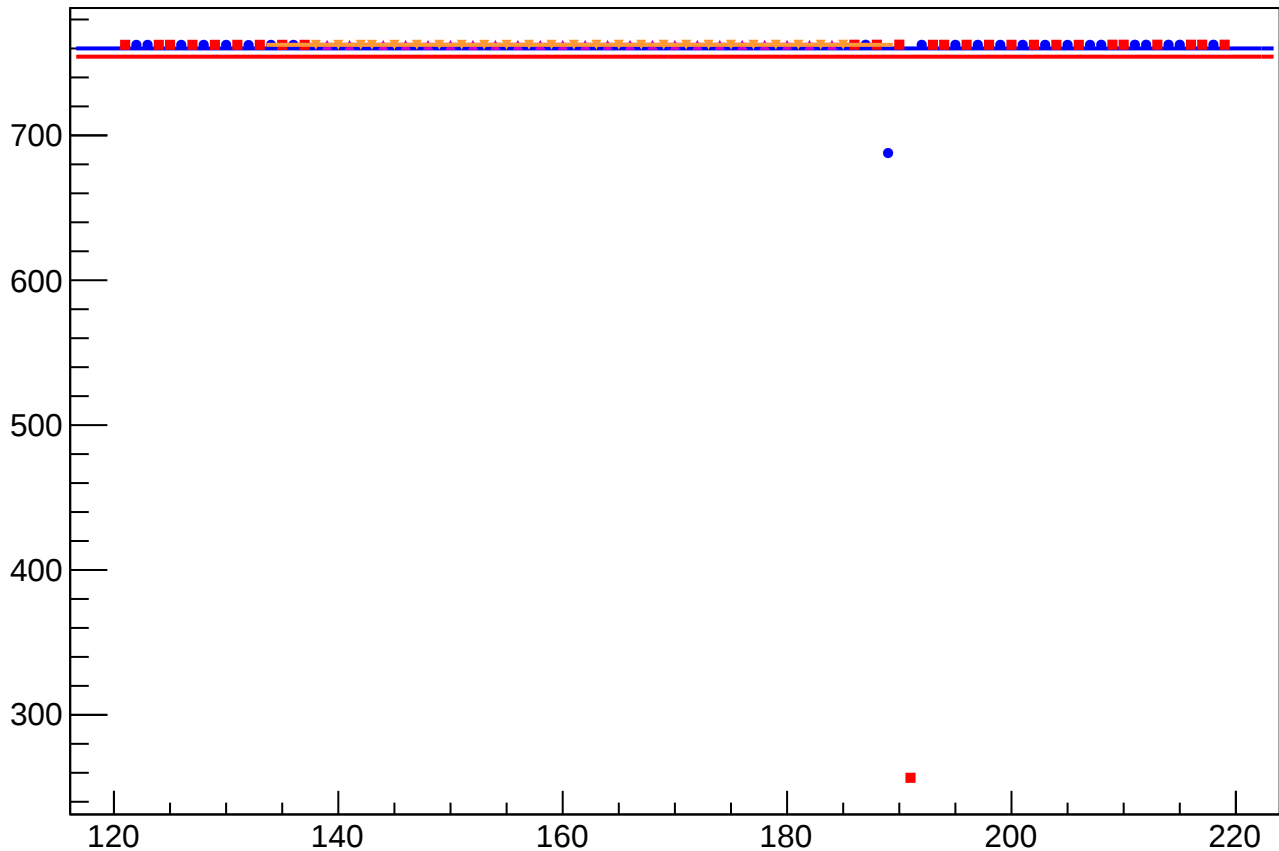
- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 921.961+/-0.000 χ^2/NDF : 405098833259804168923136303290122240.0/23
 Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
 Right Out: 925.000+/-0.000 χ^2/NDF : 946095739731195692794521845760.0/26
 Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22
 + sign 923.641+/-0.000 χ^2/NDF : 412840444647160
 All: 924.314+/-0.000 χ^2/NDF : 41595983311
 - sign 924.991+/-0.000 χ^2/NDF : 209385671534519

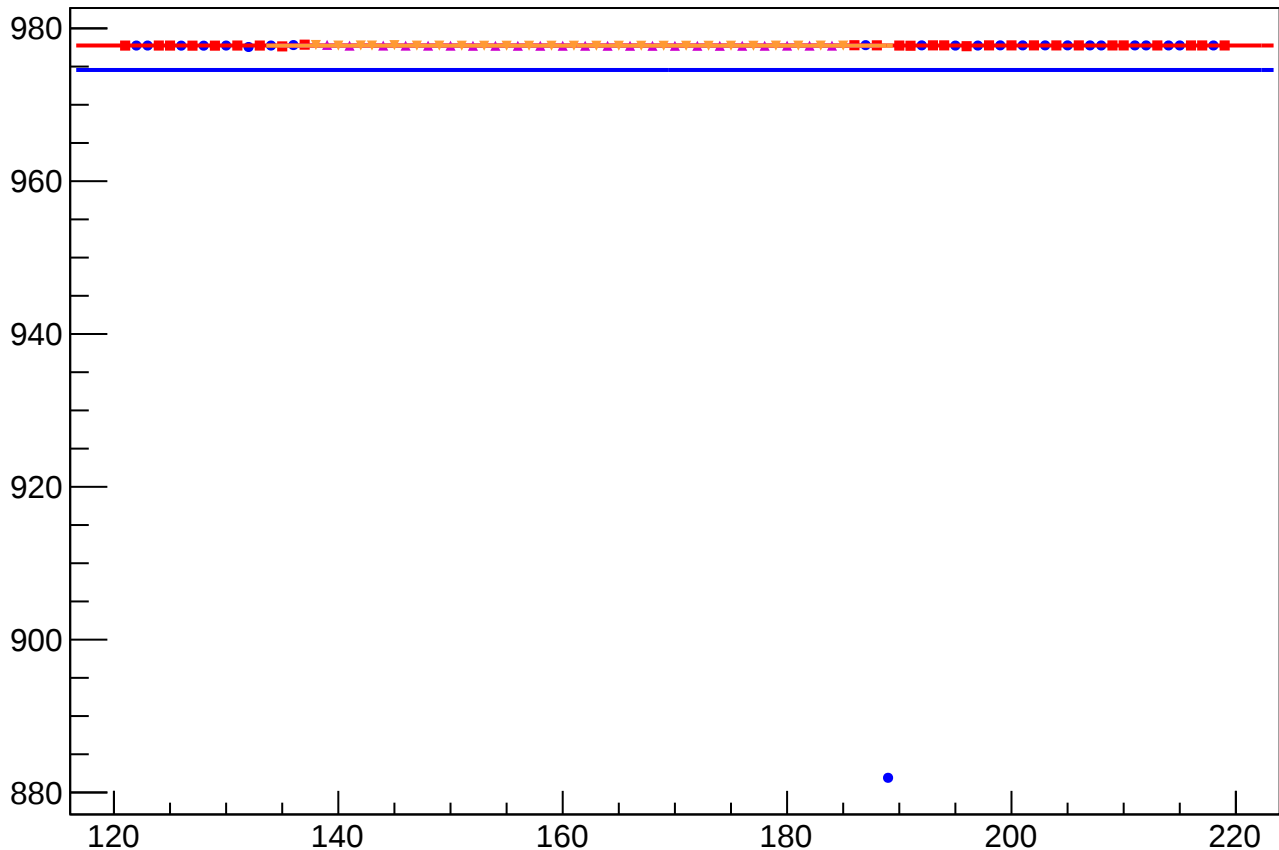
HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 760.031+/-0.000 χ^2/NDF : 275213314399571259631382656666566656.0/23
Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
Right Out: 754.326+/-0.000 χ^2/NDF : 6548638176054627650031123488097435648.0/26
Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22

+ sign 761.415+/-0.000 χ^2/NDF : 280456755934652
All: 760.049+/-0.000 χ^2/NDF : 689897978407
- sign 758.675+/-0.000 χ^2/NDF : 660567573307047

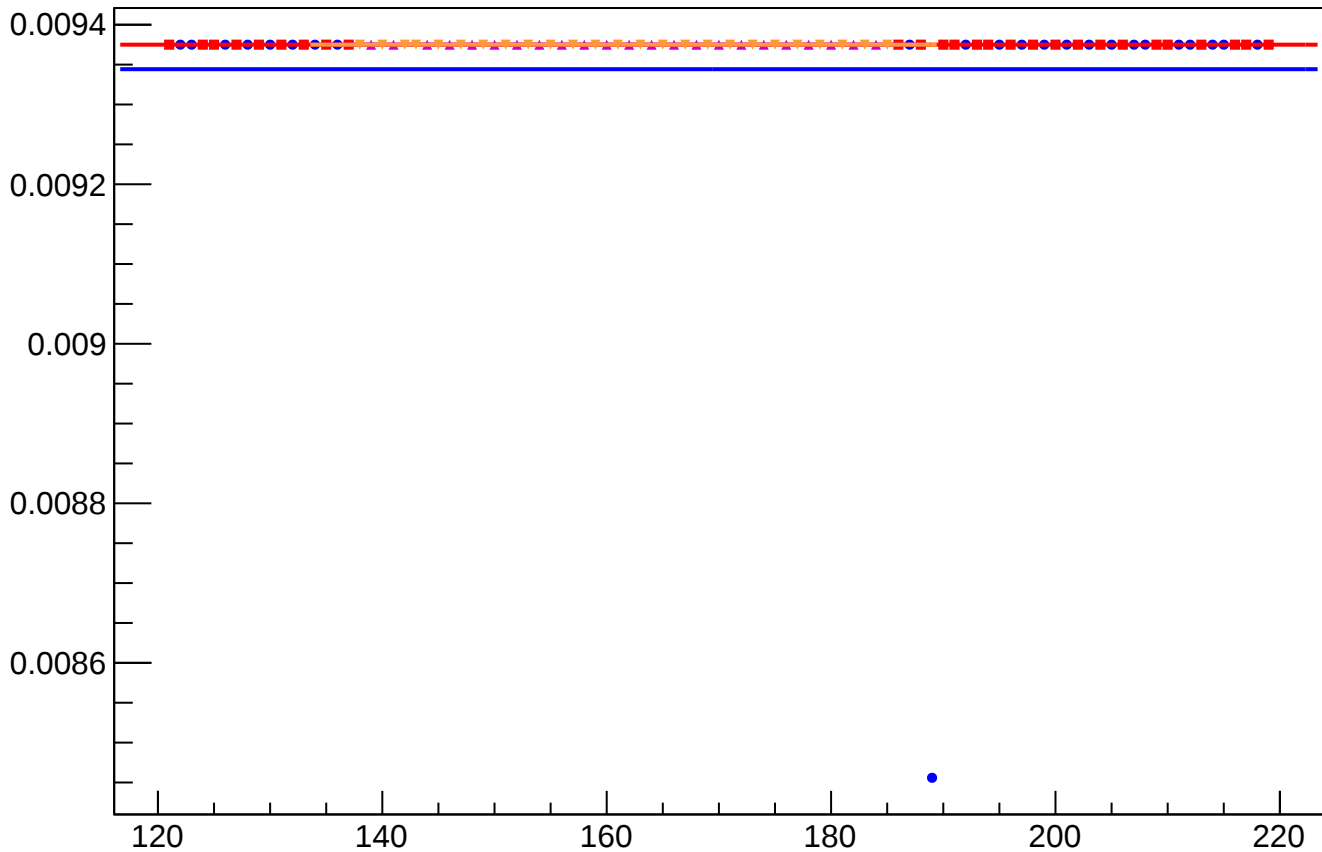
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 974.553+/-0.000 χ^2/NDF : 452782586601889418243500065788264448.0/23
Left Out: 977.738+/-0.000 χ^2/NDF : 1154150409979077132991401558016.0/24
Right Out: 977.758+/-0.000 χ^2/NDF : 1860431267044362431091676545024.0/26
Left In: 977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22

+ sign 976.324+/-0.000 χ^2/NDF : 461379607668932
All: 977.033+/-0.000 χ^2/NDF : 464838849058
- sign 977.745+/-0.000 χ^2/NDF : 327456475075925

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41641864361393116124545024.0/23

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

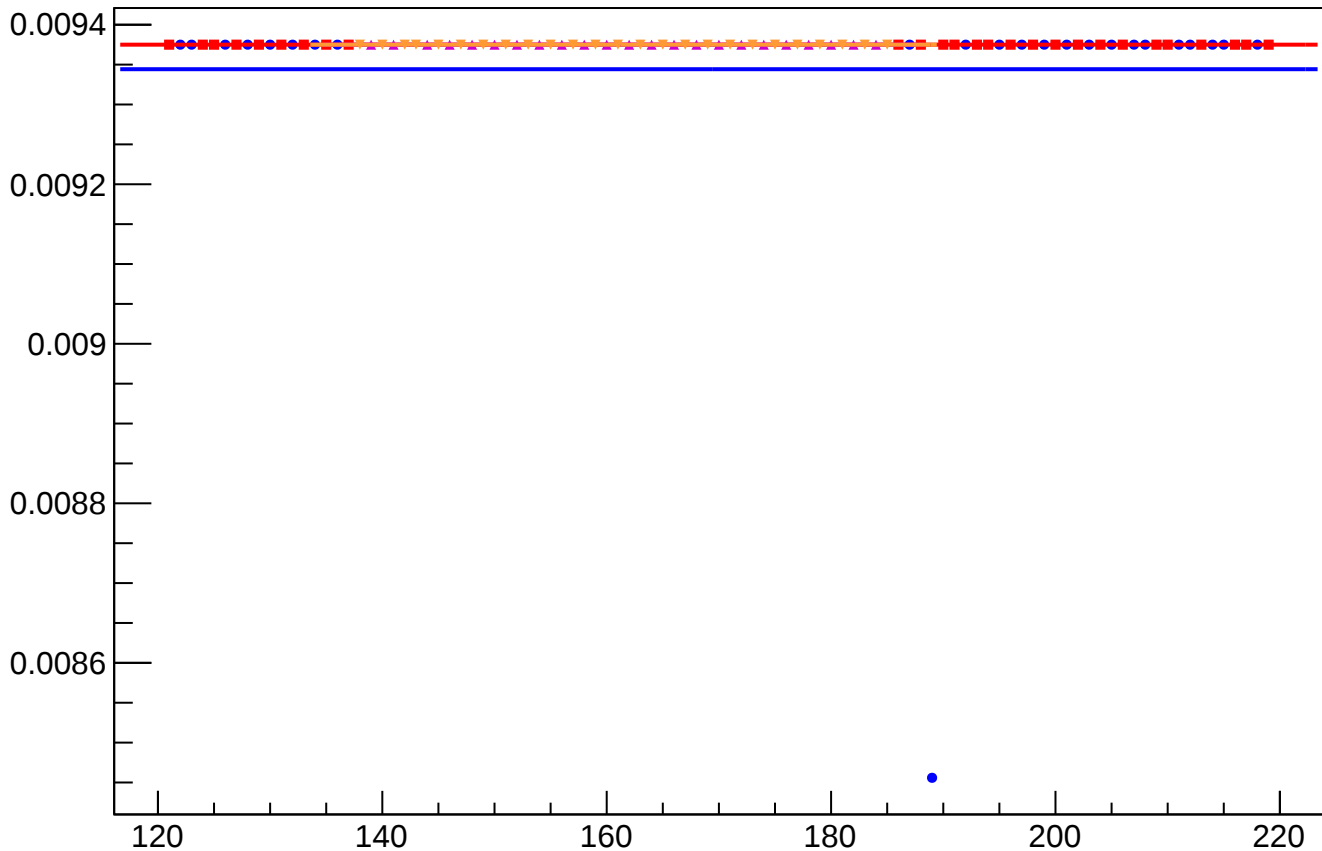
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42443783670645246

All: 0.009+/-0.000 χ^2/NDF : 42762683581867

- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41641864361393116124545024.0/23

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/26

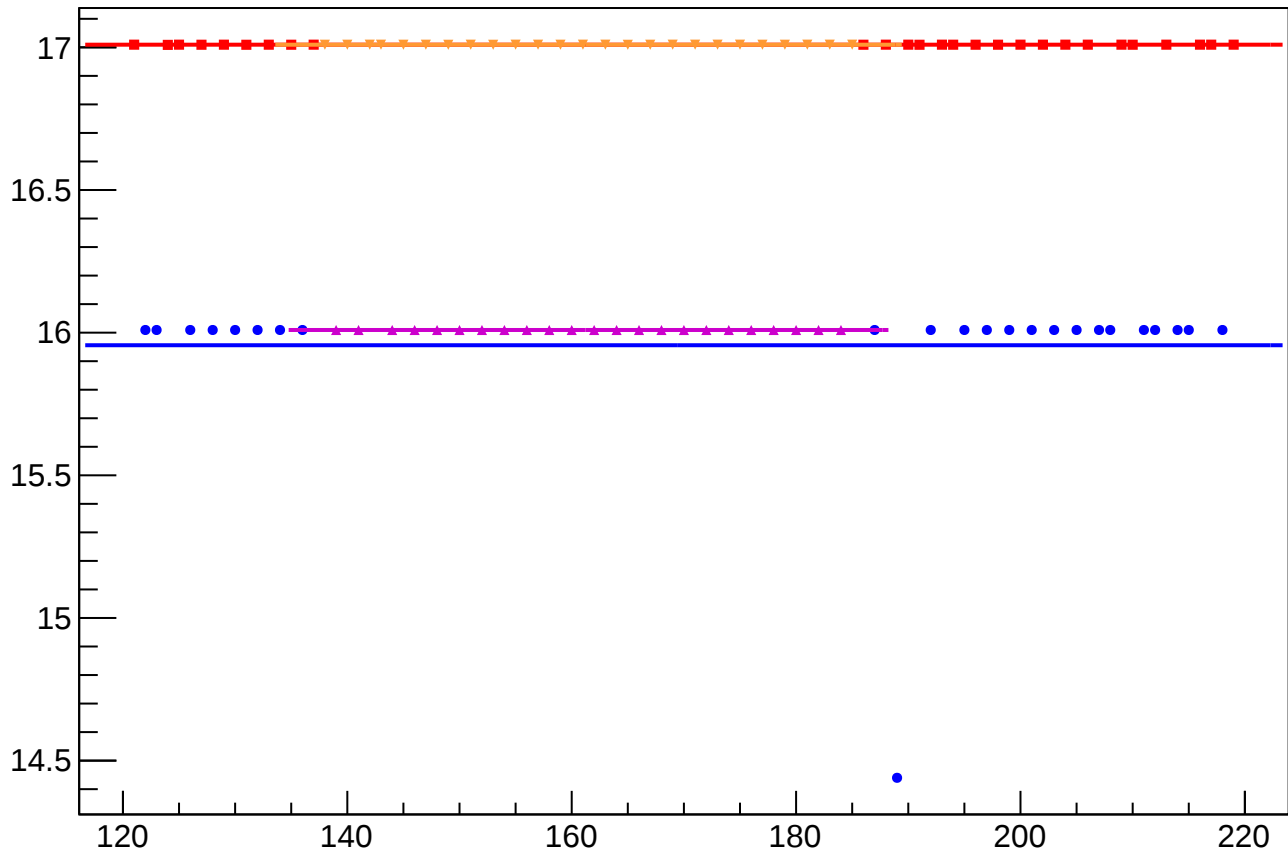
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42443783670645246

All: 0.009+/-0.000 χ^2/NDF : 42762683581867

- sign 0.009+/-0.000 χ^2/NDF : 0.2/49

IGL1I00DI24_24M_mean vs Slug



Right In: 15.956 $\pm$ 0.000 χ^2 /NDF: 121358758616927150227191851122688.0/23

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 18464155514781331791806464.0/26

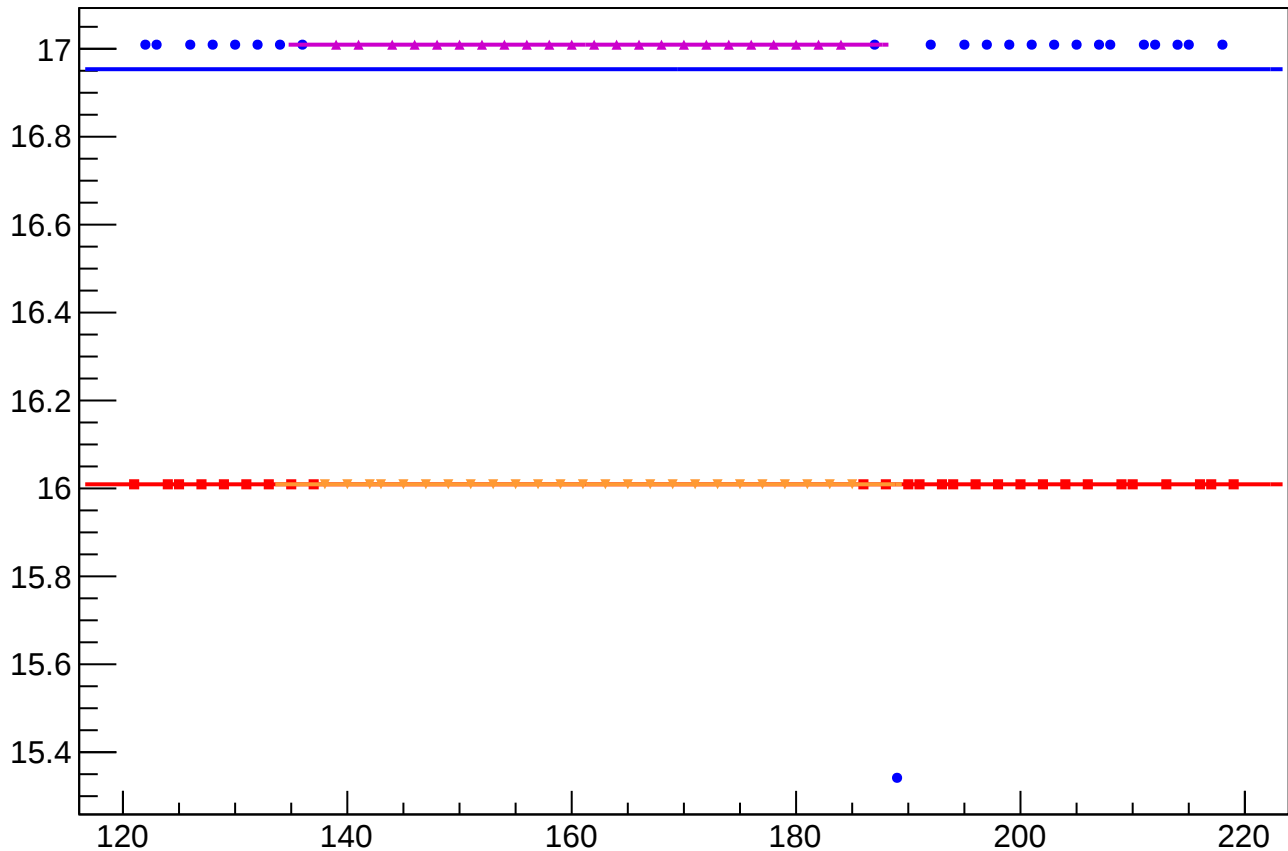
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

+ sign 16.527 $\pm$ 0.000 χ^2 /NDF: 1022714781740279

All: 16.511 $\pm$ 0.000 χ^2 /NDF: 1840635540485

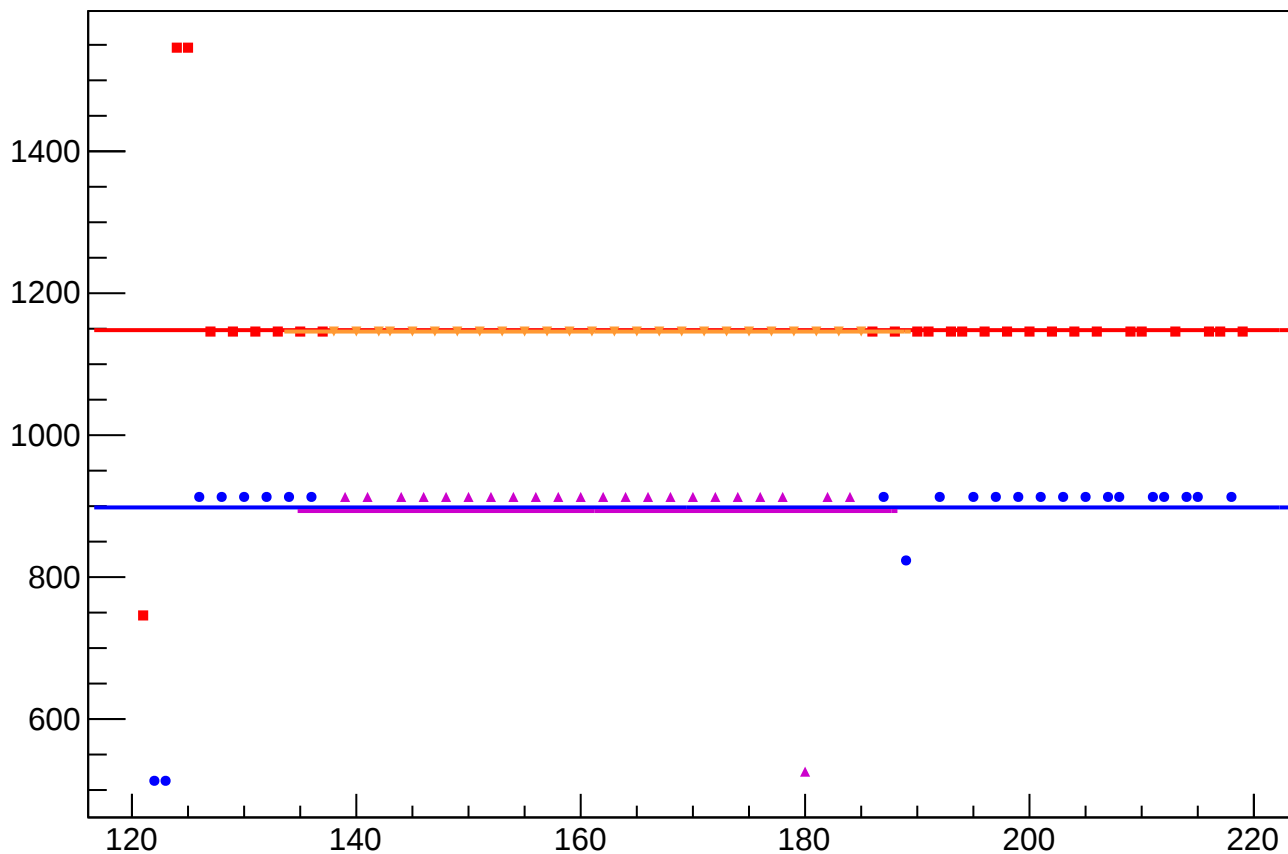
- sign 16.494 $\pm$ 0.000 χ^2 /NDF: 8161589170260634

IGL1I00OD16_16_mean vs Slug



Right In: 16.954+/-0.000 χ^2/NDF : 137075695921218250795102840553472.0/23
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009+/-0.000 χ^2/NDF : 253331.6/26
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

RTPAPOSUCNT_mean vs Slug



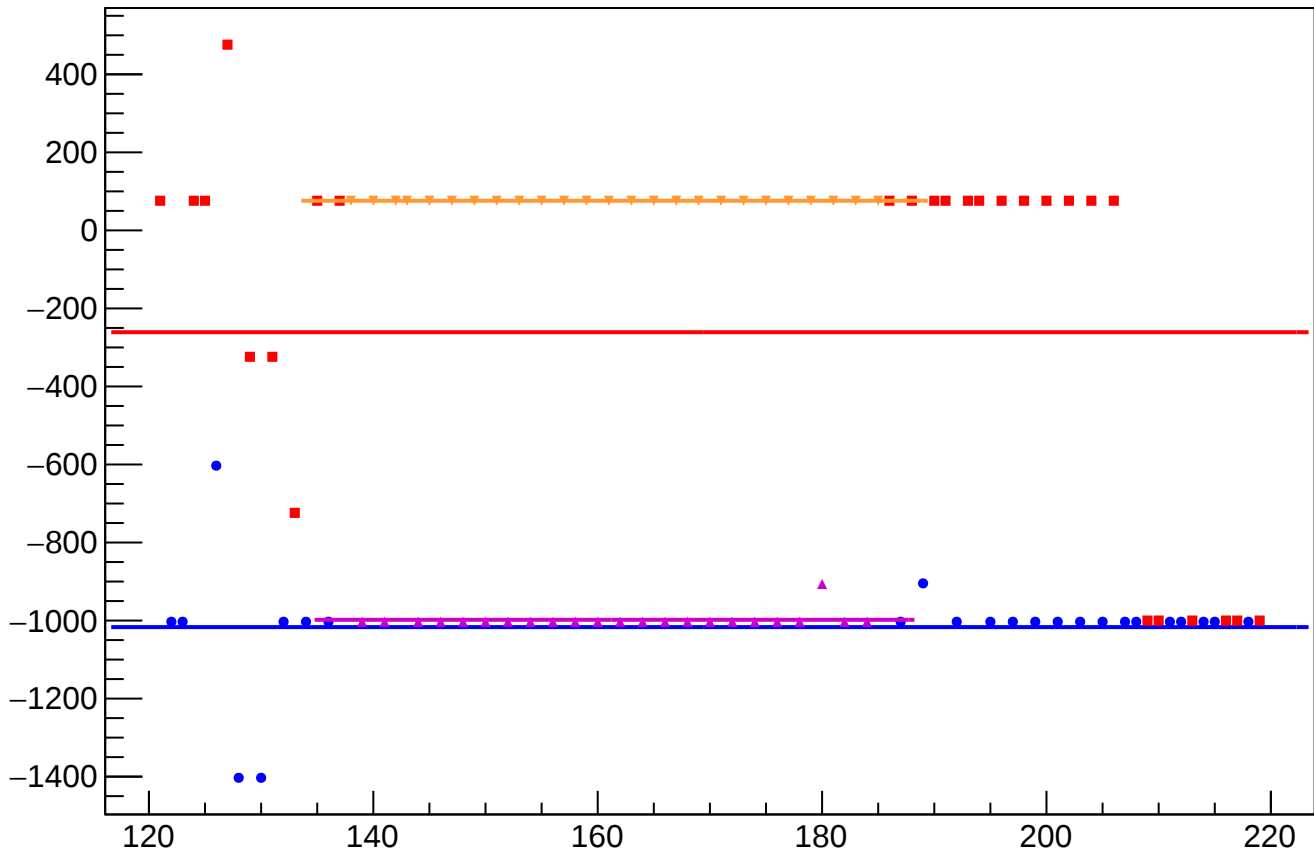
Right In: 898.187+/-0.000 χ^2/NDF : 7274552111485240646110453975784357888.0/23

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1148.009+/-0.000 χ^2/NDF : 13754271185883278485733122331782414336.0/26

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



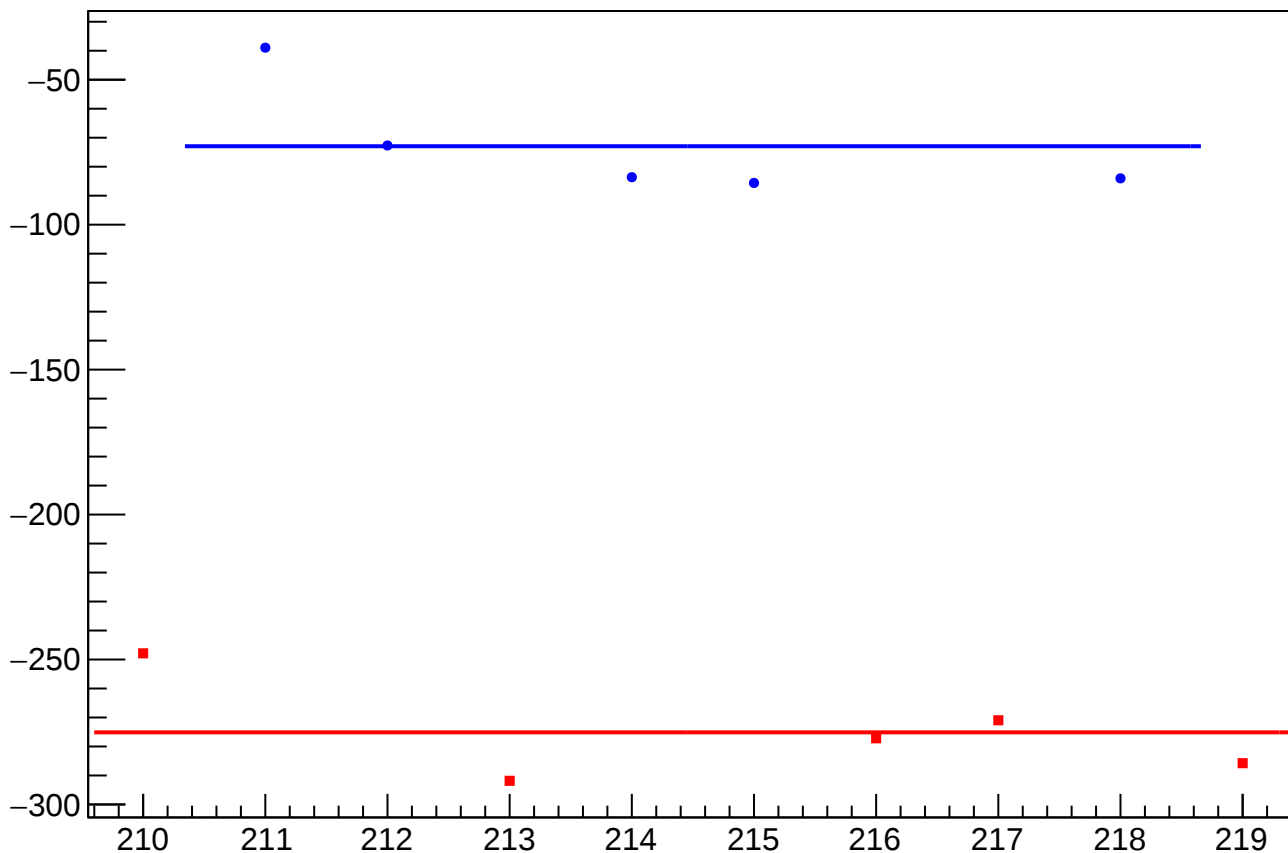
Right In: -1016.758 $\pm$ 0.000 χ^2 /NDF: 23403855953255130577088451999122325504.0/23

Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 11003263624957134120836661248.0/24

Right Out: -260.938 $\pm$ 0.000 χ^2 /NDF: 393215478595281931183613211087833399296.0/26

Left In: -998.020 $\pm$ 0.000 χ^2 /NDF: 826231736084035689068445378231140352.0/22

RTPPITA1CNT_mean vs Slug



Right In: -72.945+/-0.000 χ^2/NDF : 119284685234098125759576533062647808.0/4

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

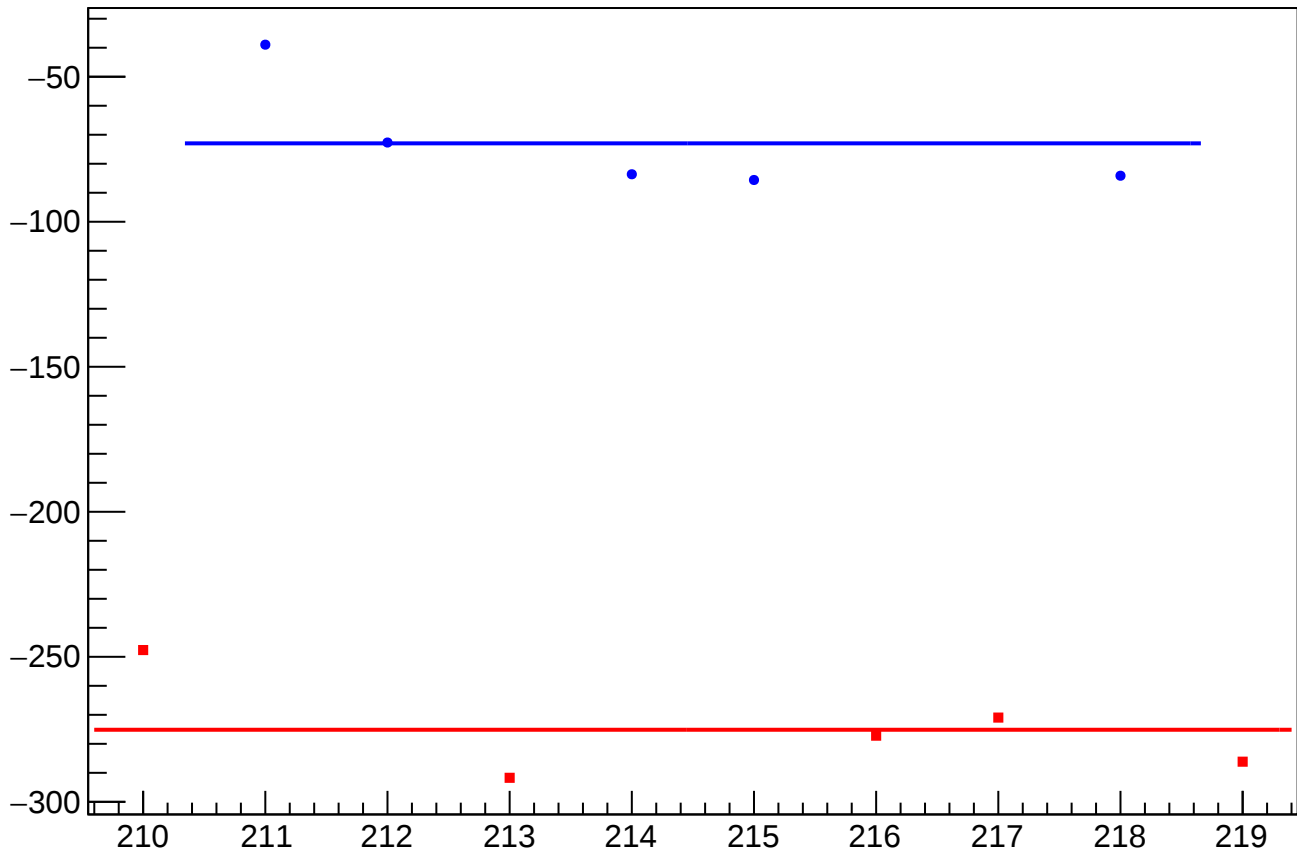
All: -173.902+/-0.000 χ^2/NDF : 80025216412

Right Out: -275.123+/-0.000 χ^2/NDF : 86164430592231083349779893945630720.0/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

RTPPITA2CNT_mean vs Slug



Right In: -72.969+/-0.000 χ^2/NDF : 119488906189493343156944358768377856.0/4

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -173.928+/-0.000 χ^2/NDF : 80041884318

Right Out: -275.151+/-0.000 χ^2/NDF : 87316479018886398499496763095777280.0/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0