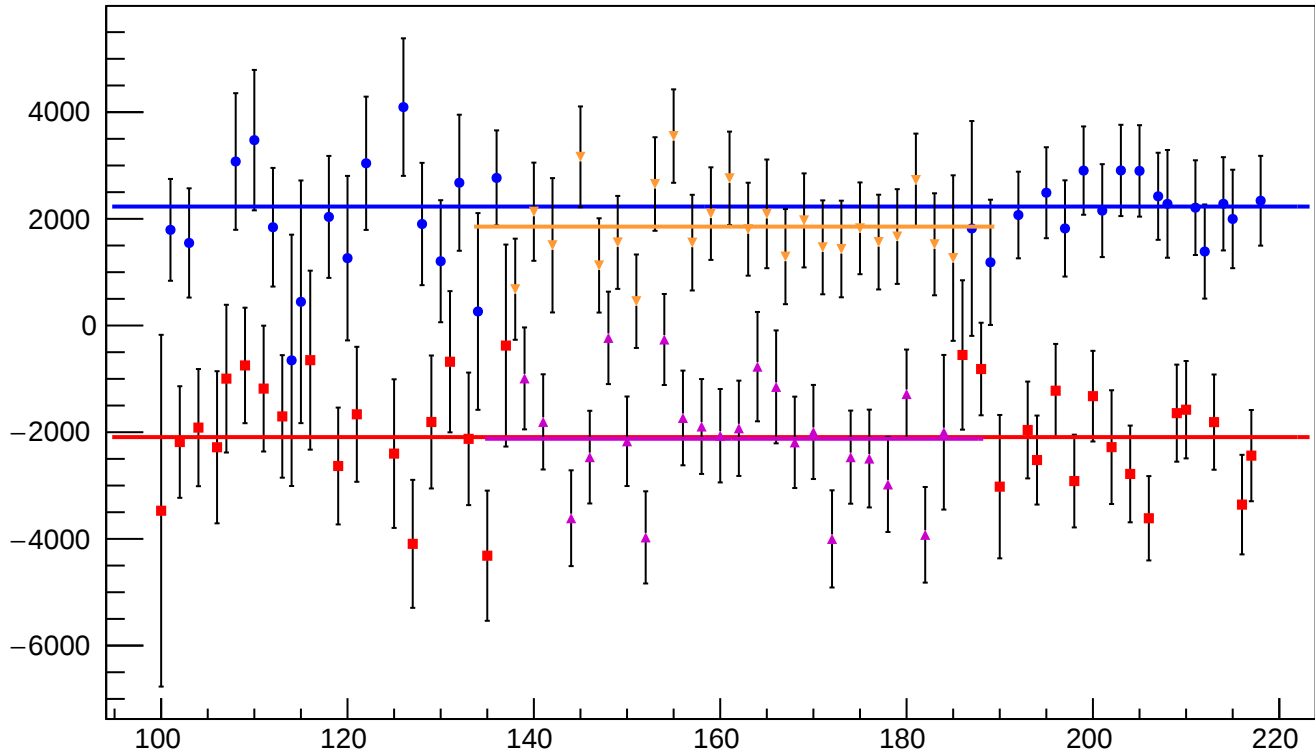


reg_asym_us_avg_mean vs Slug



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: -2091.877 $\pm$ 182.759

χ^2 /NDF: 26.2/33

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

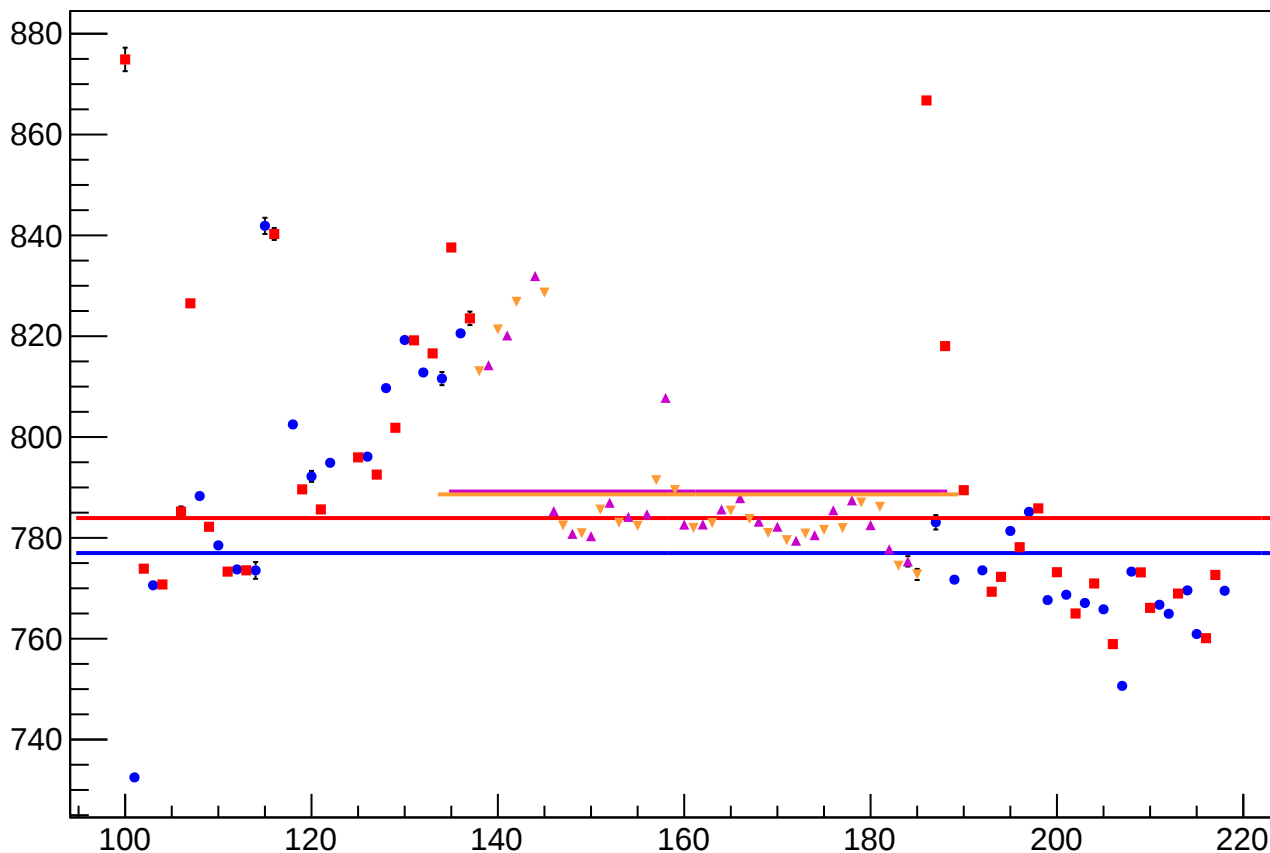
All: -20.725 $\pm$ 92.622

χ^2 /NDF: 592.1/112

- sign -2107.009 $\pm$ 131.275

χ^2 /NDF: 58.2/56

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: 783.930 $\pm$ 0.129 χ^2 /NDF: 32486.4/33

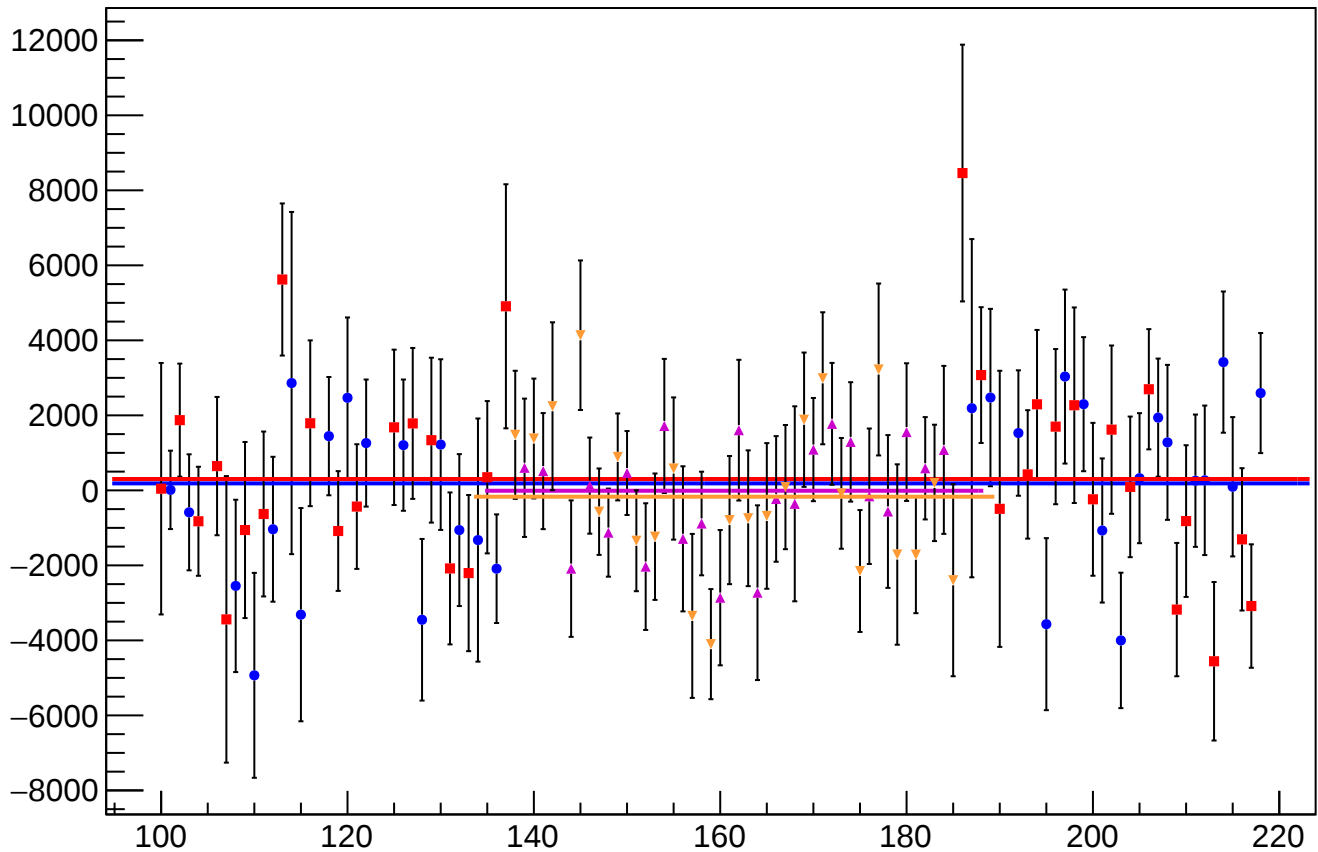
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

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

All: 784.553 $\pm$ 0.065 χ^2 /NDF: 85630.7/112

- sign 786.473 $\pm$ 0.093 χ^2 /NDF: 44630.0/56

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: 303.267+/-344.231 χ^2/NDF : 44.7/33

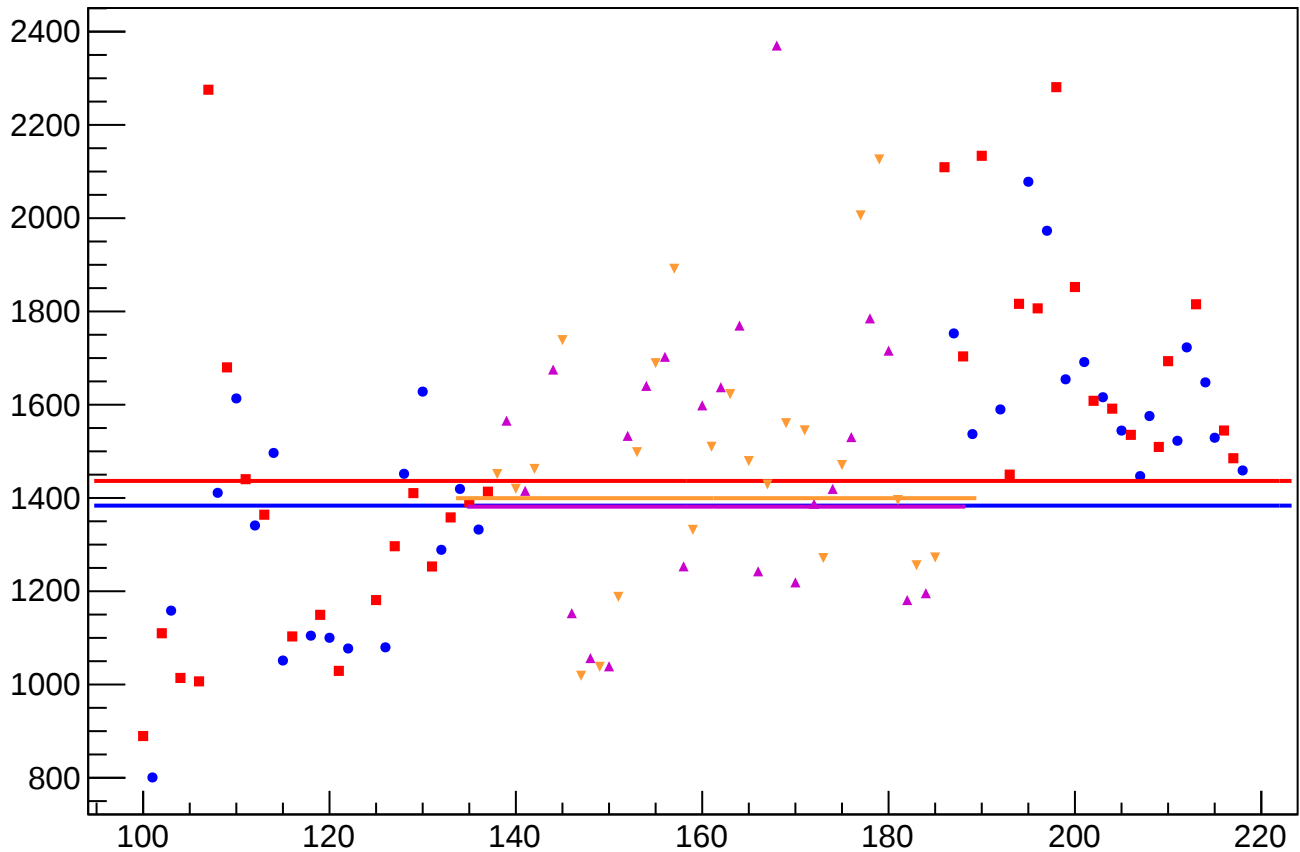
Left In: -10.093+/-337.810 χ^2/NDF : 14.2/22

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

All: 77.000+/-169.500 χ^2/NDF : 126.0/112

- sign 143.638+/-241.106 χ^2/NDF : 59.3/56

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

Right Out: 1436.547 $\pm$ 0.243 χ^2 /NDF: 1600546.4/33

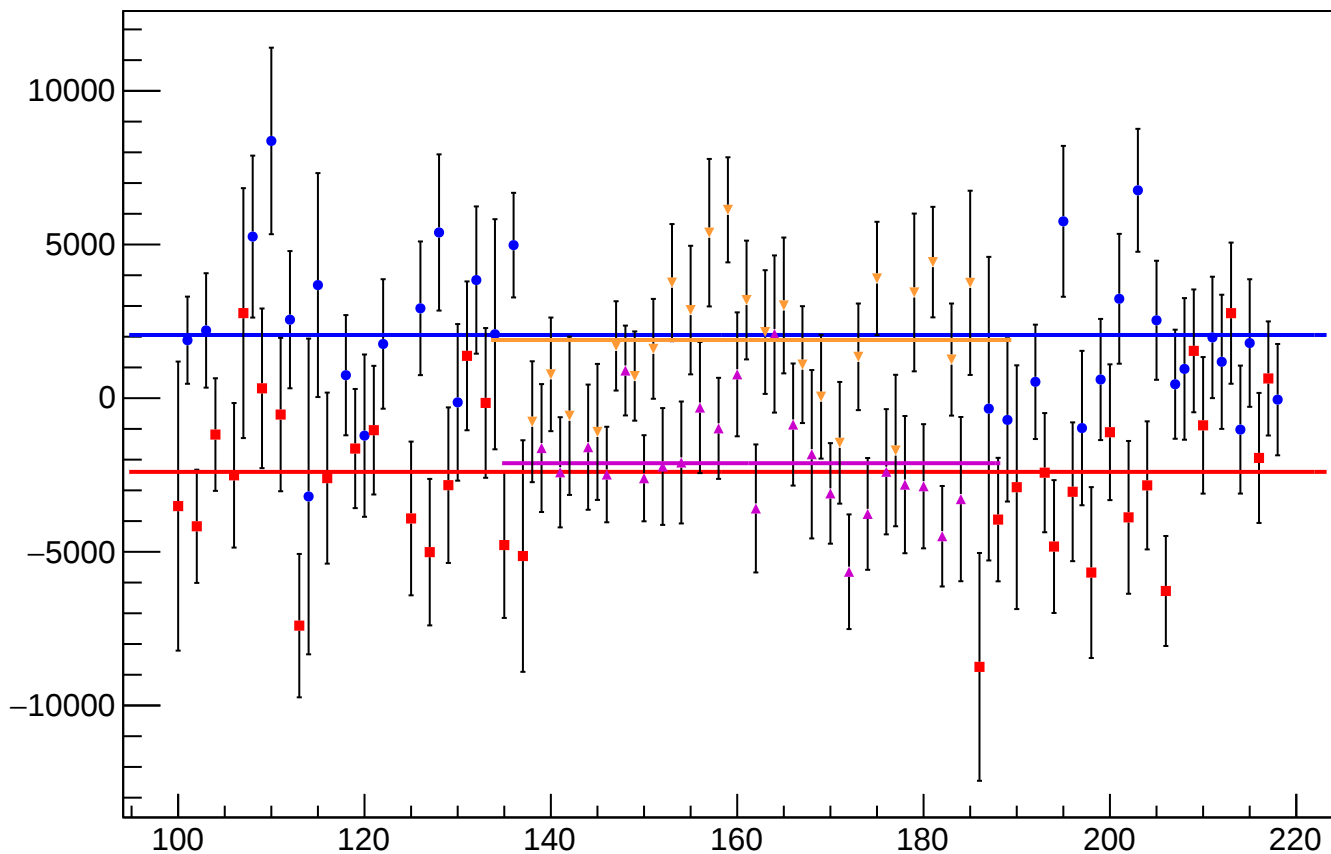
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

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

All: 1399.840 $\pm$ 0.120 χ^2 /NDF: 5652988.1/11

- sign 1408.433 $\pm$ 0.170 χ^2 /NDF: 2903222.3/56

asym_us_avg_mean vs Slug



Right In: 2056.554 ± 388.482 $\chi^2/\text{NDF}: 32.2/31$

Left Out: 1893.469 ± 394.877 $\chi^2/\text{NDF}: 25.9/23$

Right Out: -2398.542 ± 397.498 $\chi^2/\text{NDF}: 40.1/33$

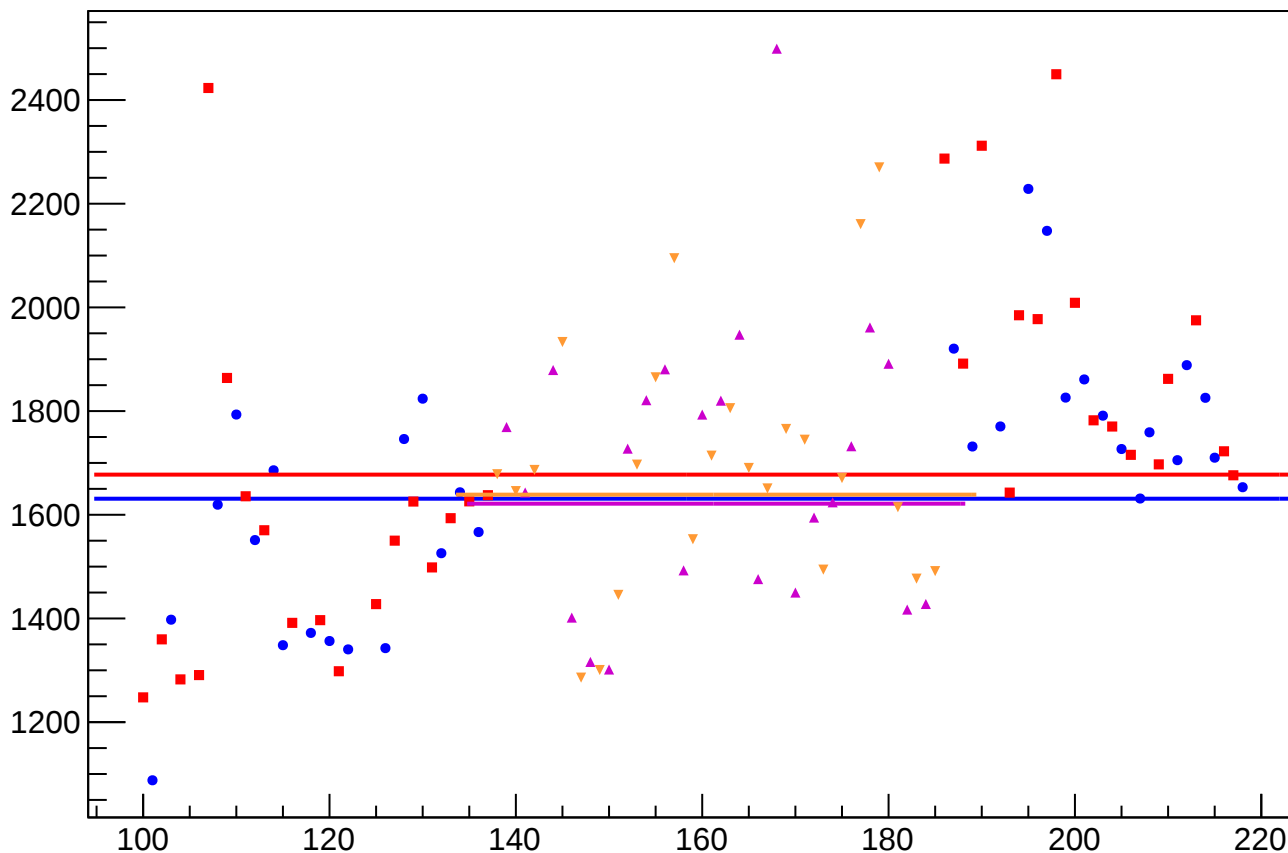
Left In: -2116.114 ± 392.997 $\chi^2/\text{NDF}: 18.8/22$

+ sign 1976.343 ± 276.931 $\chi^2/\text{NDF}: 58.2/55$

All: -120.392 ± 196.711 $\chi^2/\text{NDF}: 233.1/112$

- sign -2255.720 ± 279.468 $\chi^2/\text{NDF}: 59.2/56$

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: 1677.442 $\pm$ 0.281 χ^2 /NDF: 935819.8/33

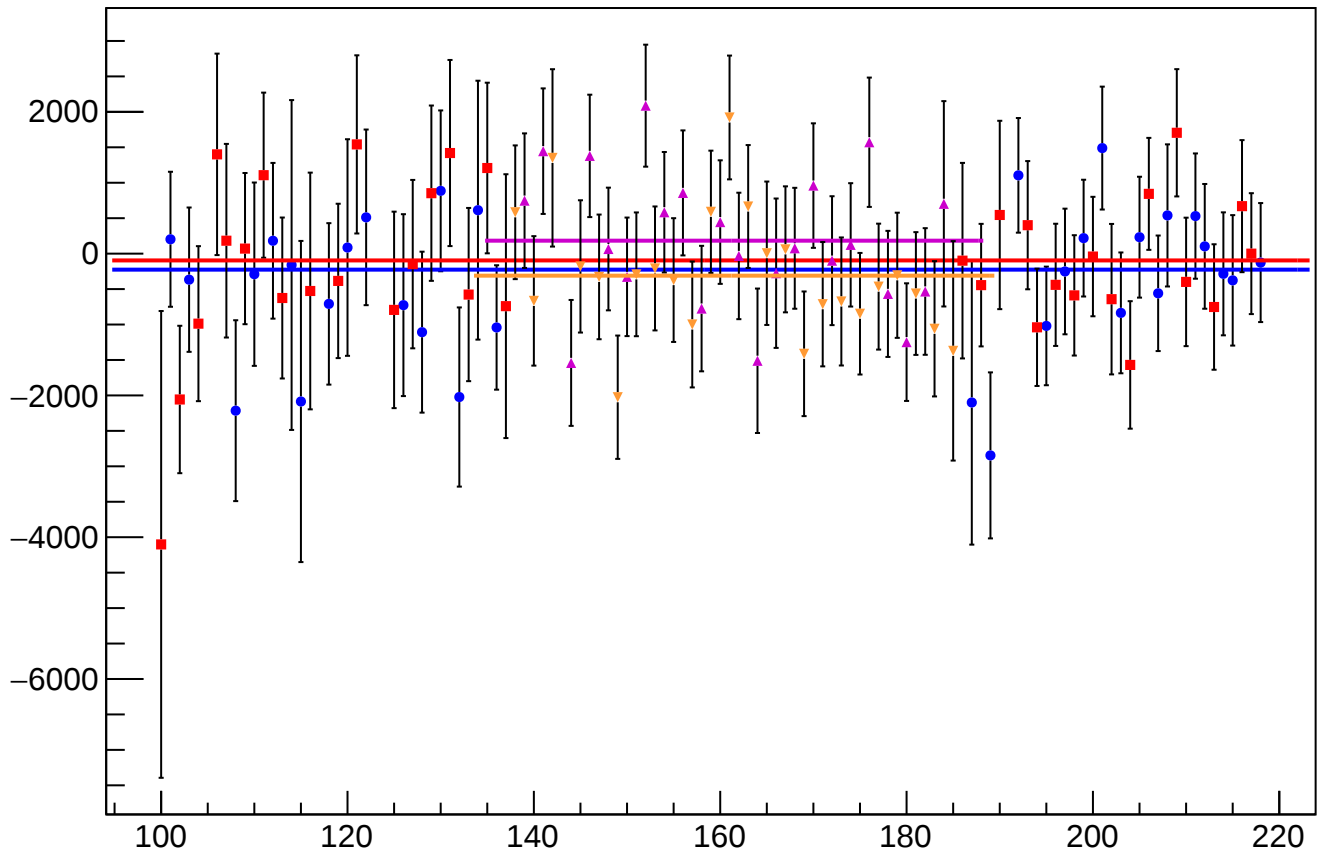
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

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

All: 1641.907 $\pm$ 0.139 χ^2 /NDF: 3246131.8/11

- sign 1649.110 $\pm$ 0.198 χ^2 /NDF: 1731221.2/56

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: -95.681 ± 181.139 χ^2/NDF : 25.9/33

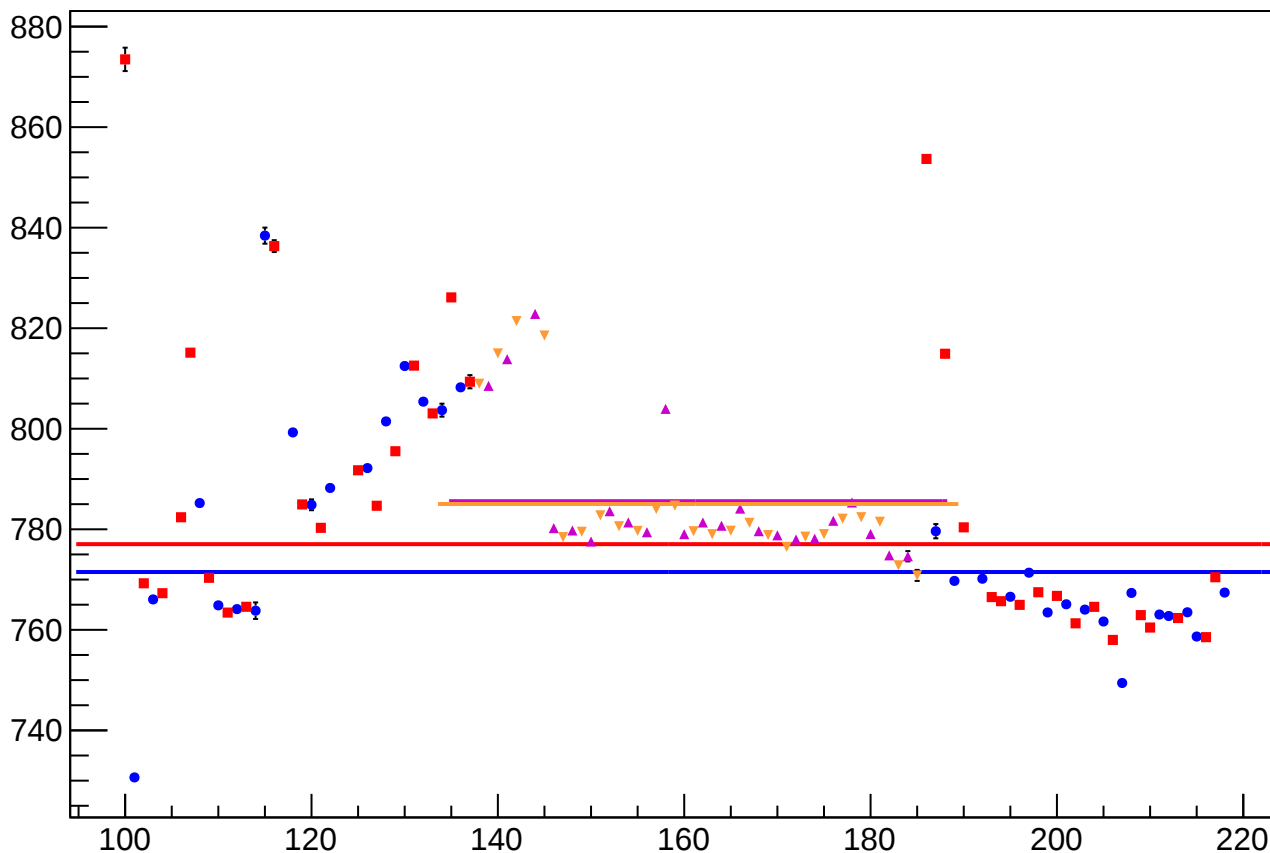
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

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

All: -114.699 ± 92.033 χ^2/NDF : 101.0/112

- sign 38.567 ± 130.382 χ^2/NDF : 53.1/56

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: 777.045 $\pm$ 0.128 χ^2 /NDF: 30095.1/33

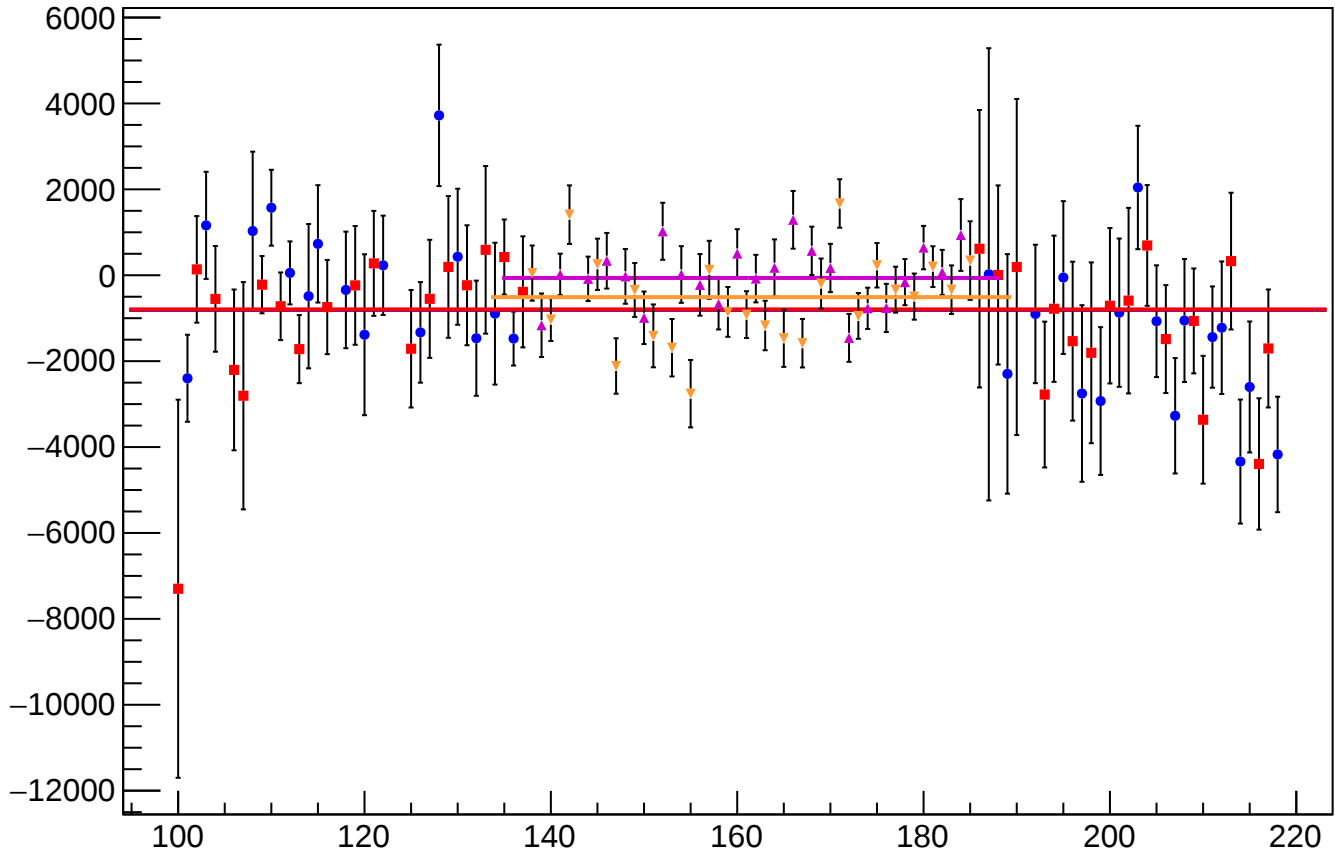
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

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

All: 779.610 $\pm$ 0.065 χ^2 /NDF: 77964.6/112

- sign 781.164 $\pm$ 0.092 χ^2 /NDF: 41614.7/56

asym_us_dd_correction_mean vs Slug



Right In: -805.675 ± 229.628 χ^2/NDF : 50.9/31

Left Out: -509.311 ± 121.190 χ^2/NDF : 60.5/23

Right Out: -796.987 ± 228.690 χ^2/NDF : 23.6/33

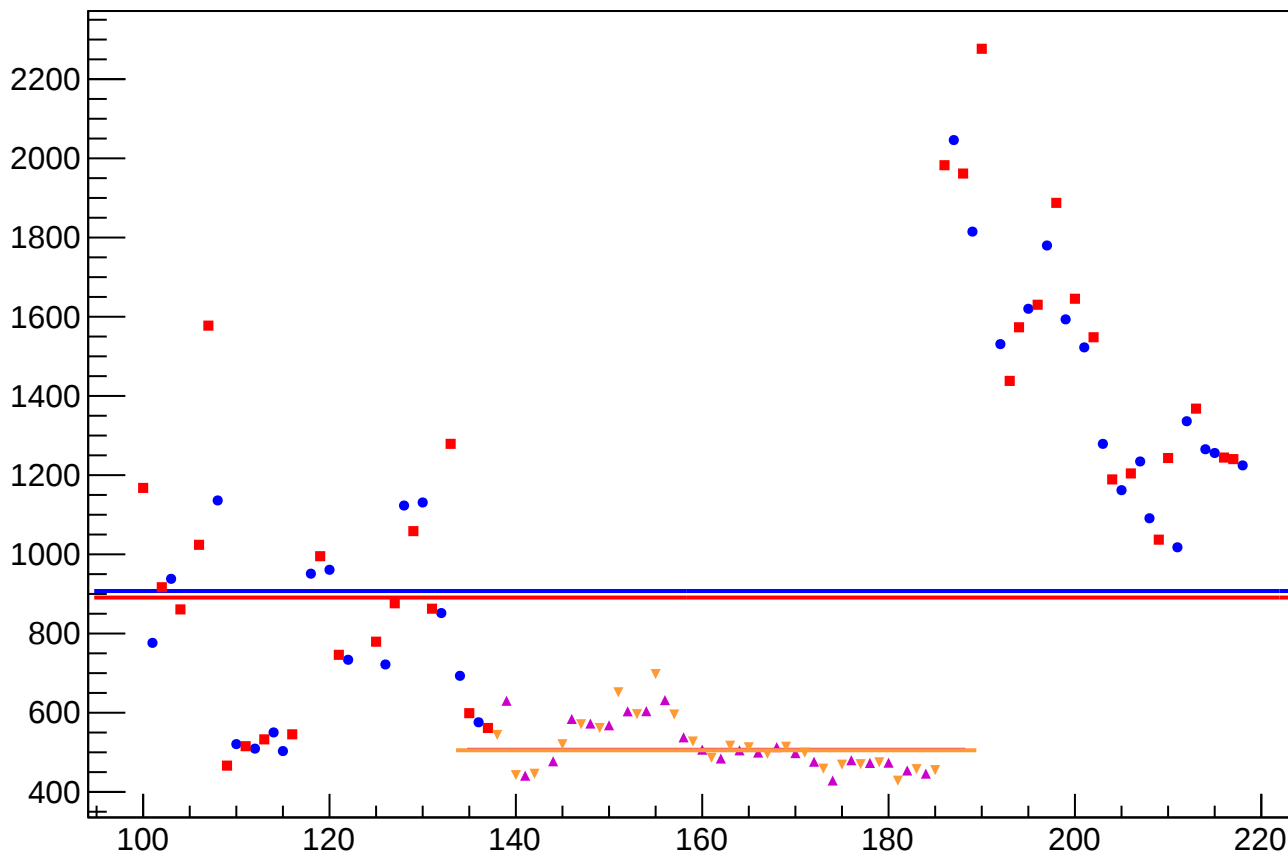
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -573.876 ± 107.179 χ^2/NDF : 112.8/55

All: -400.499 ± 75.961 χ^2/NDF : 178.5/112

- sign -225.524 ± 107.672 χ^2/NDF : 60.4/56

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: 890.855 ± 0.162 χ^2/NDF : 6142585.7/33

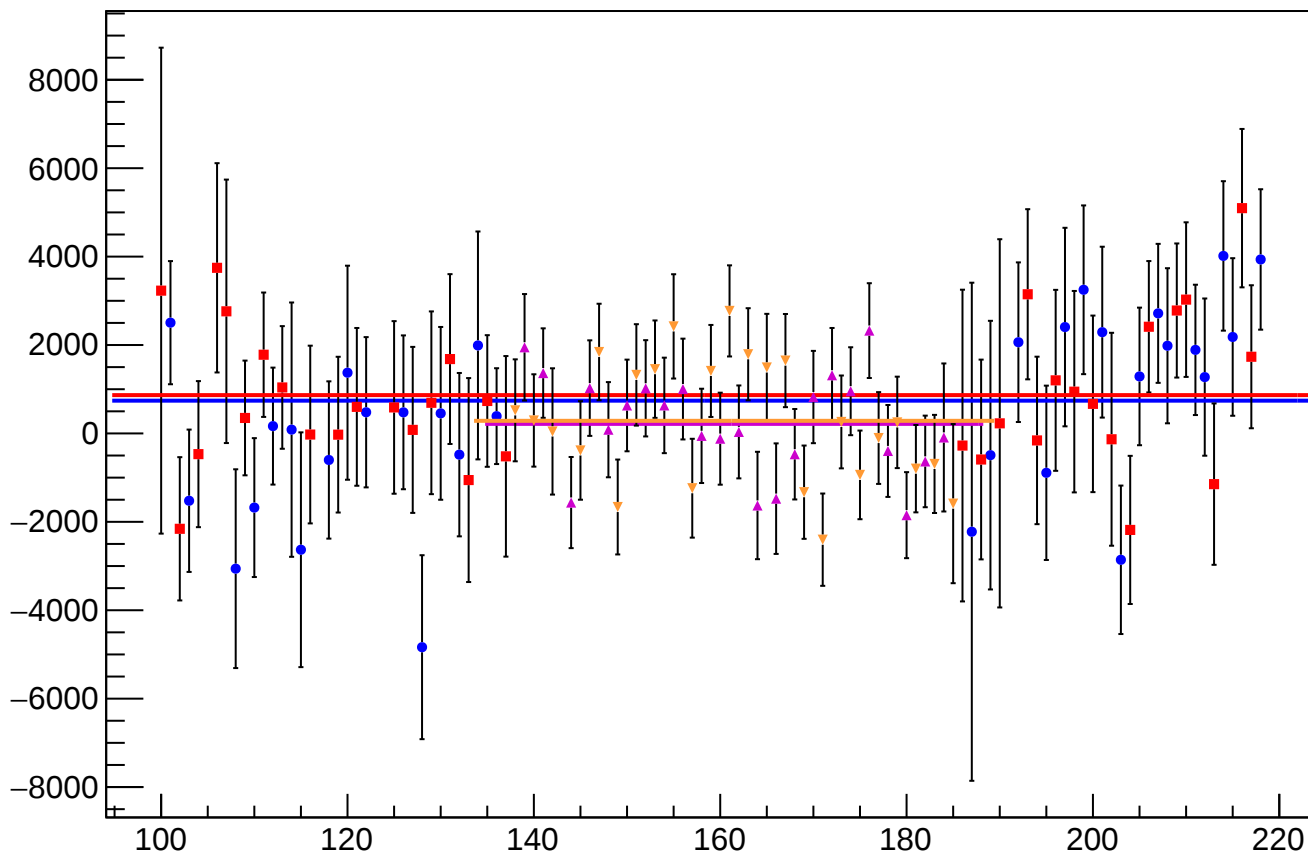
Left In: 506.380 ± 0.086 χ^2/NDF : 436294.4/22

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

All: 592.225 ± 0.054 χ^2/NDF : 21063755.7/11

- sign 591.608 ± 0.076 χ^2/NDF : 10978698.0/56

asym_us_dd_mean vs Slug



Right In: 741.217+/-315.174 χ^2/NDF : 39.9/31

Left Out: 285.144+/-224.378 χ^2/NDF : 38.3/23

Right Out: 866.479+/-320.103 χ^2/NDF : 25.8/33

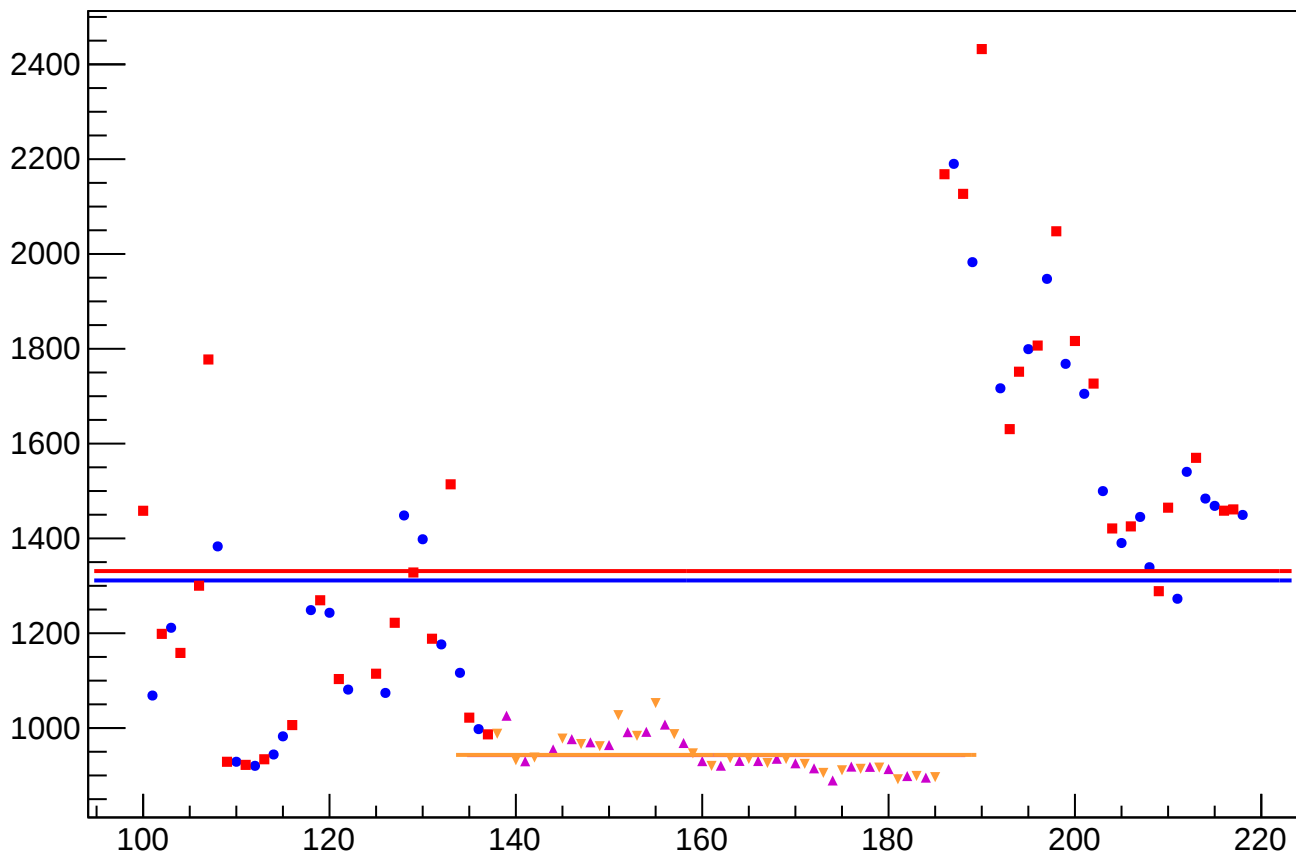
Left In: 216.121+/-225.600 χ^2/NDF : 24.4/22

+ sign 438.546+/-182.788 χ^2/NDF : 79.5/55

All: 435.279+/-129.818 χ^2/NDF : 132.5/112

- sign 431.953+/-184.404 χ^2/NDF : 53.0/56

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: 1331.119+/-0.226 χ^2/NDF : 2090771.2/33

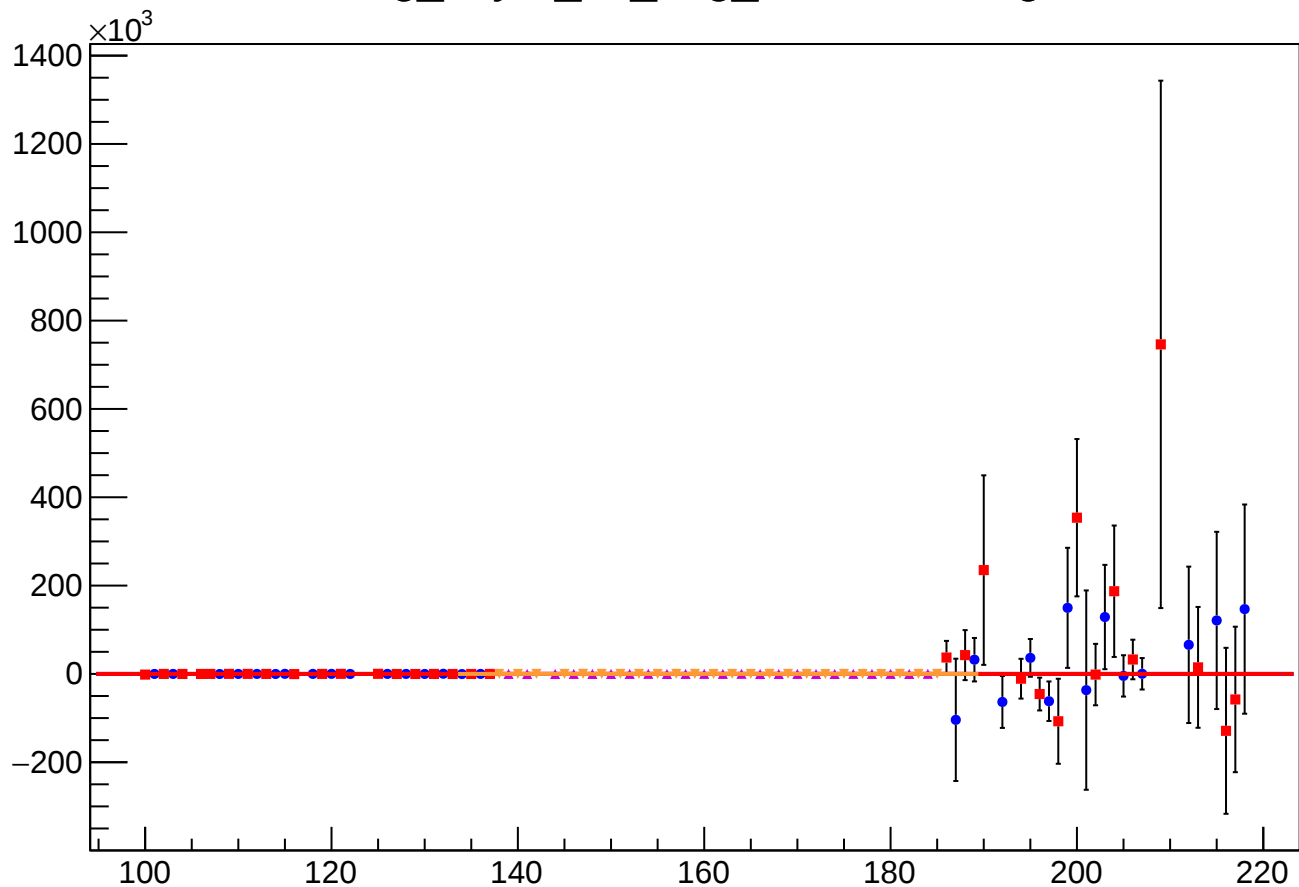
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

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

All: 1069.417+/-0.092 χ^2/NDF : 7540916.1/11

- sign 1071.755+/-0.130 χ^2/NDF : 4104387.6/56

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: -31.729 ± 30.492 χ^2/NDF : 30.6/31

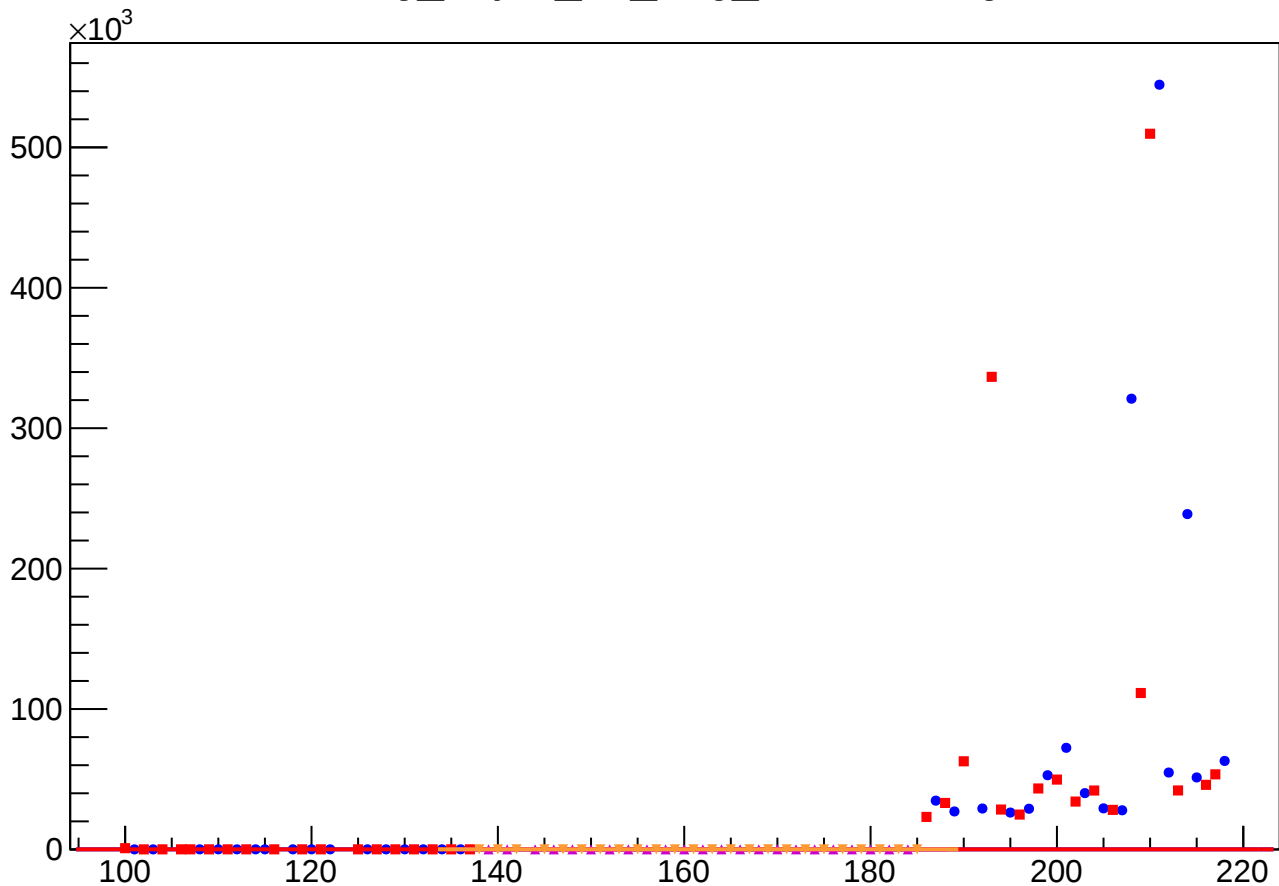
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

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

All: 0.908 ± 12.403 χ^2/NDF : 102.1/107

- sign 4.685 ± 17.617 χ^2/NDF : 55.2/54

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: 79.461 $\pm$ 0.022 χ^2 /NDF: 6545668.4/33

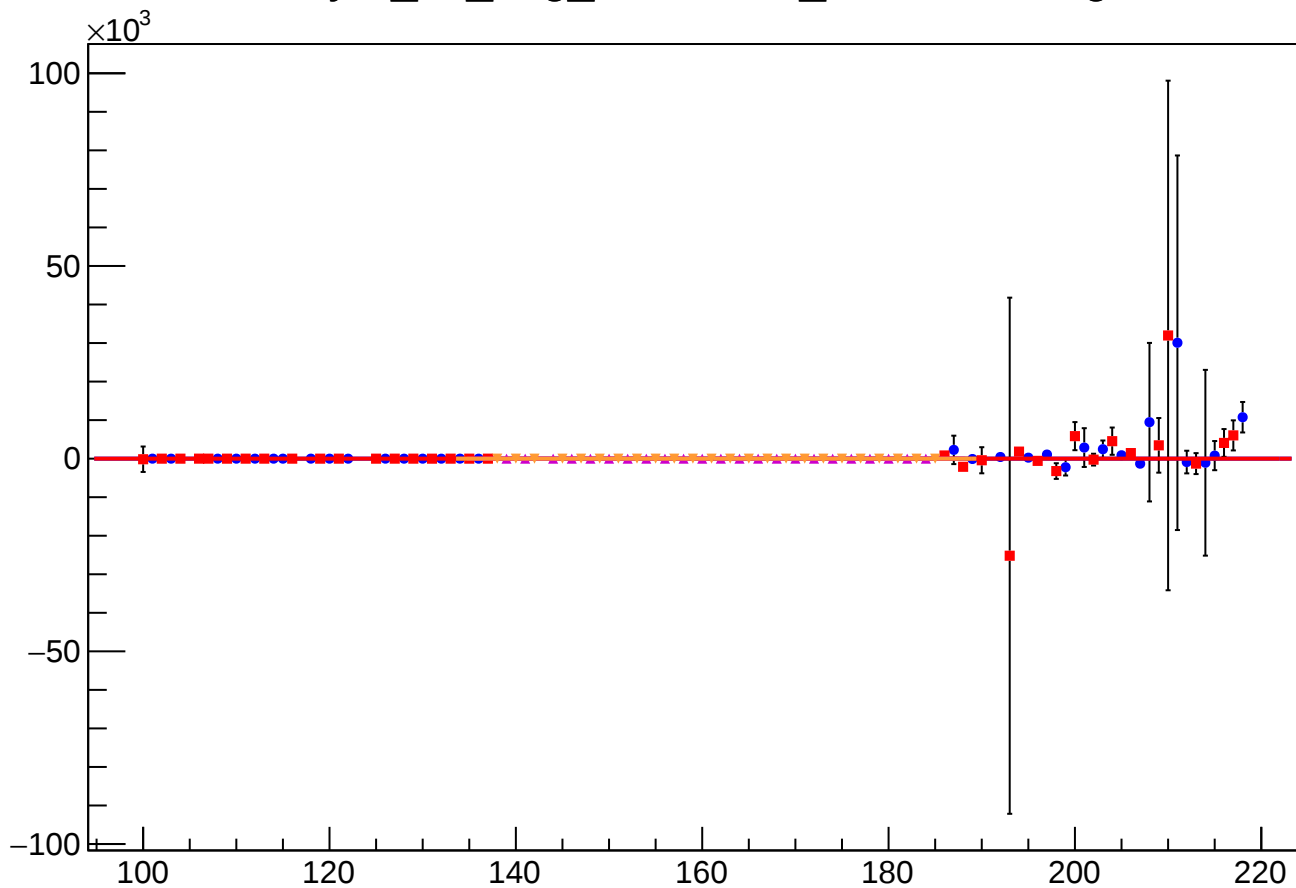
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

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

All: 85.657 $\pm$ 0.009 χ^2 /NDF: 14860242.3/112

- sign 86.212 $\pm$ 0.012 χ^2 /NDF: 7201362.4/56

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 : 33.4/33

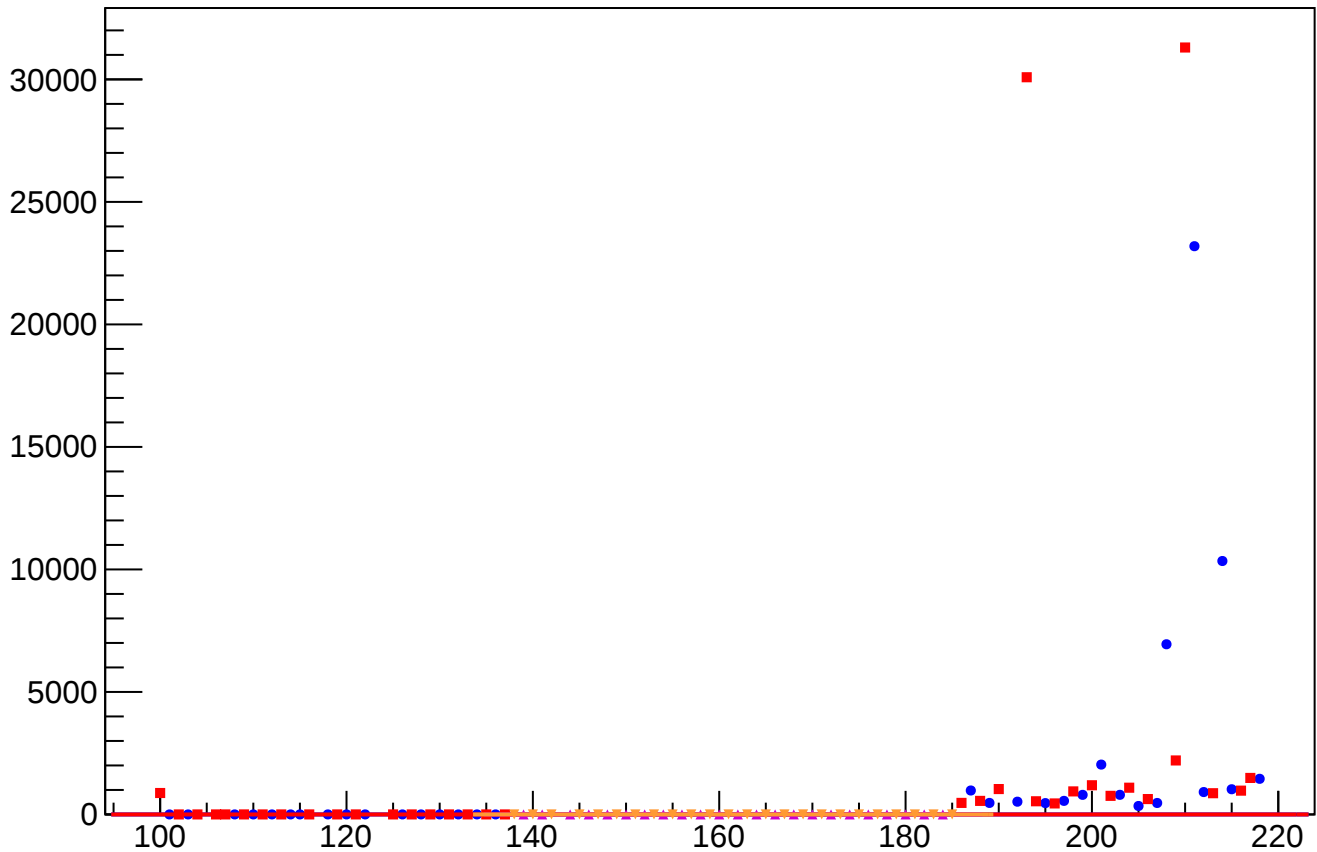
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

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

All: 0.144 ± 0.217 χ^2/NDF : 121.8/112

- sign 0.323 ± 0.312 χ^2/NDF : 60.4/56

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 : 7253453.9/33

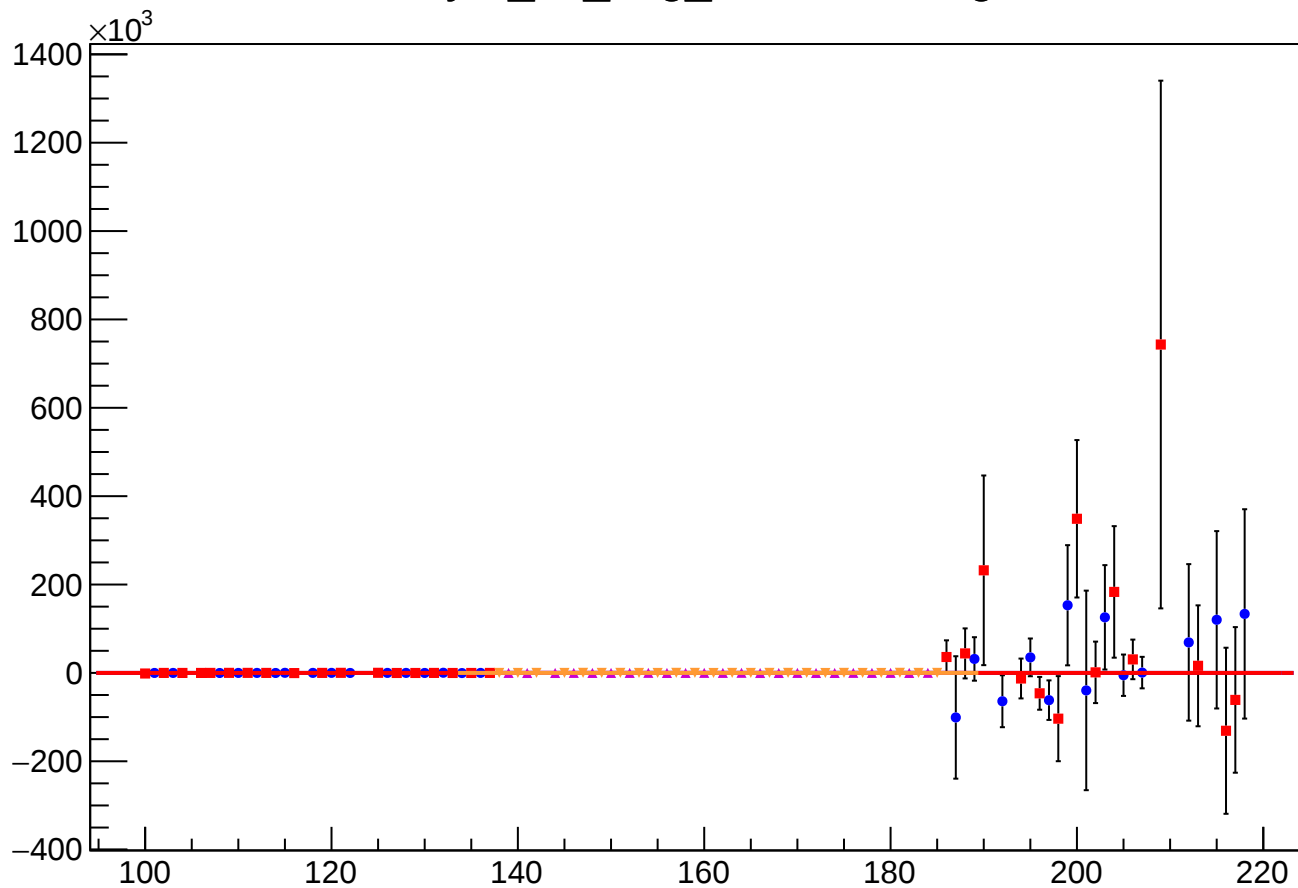
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

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

All: 1.350+/-0.000 χ^2/NDF : 16781456.9/112

- sign 1.385+/-0.000 χ^2/NDF : 8424244.7/56

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: -32.010 ± 30.500 χ^2/NDF : 30.3/31

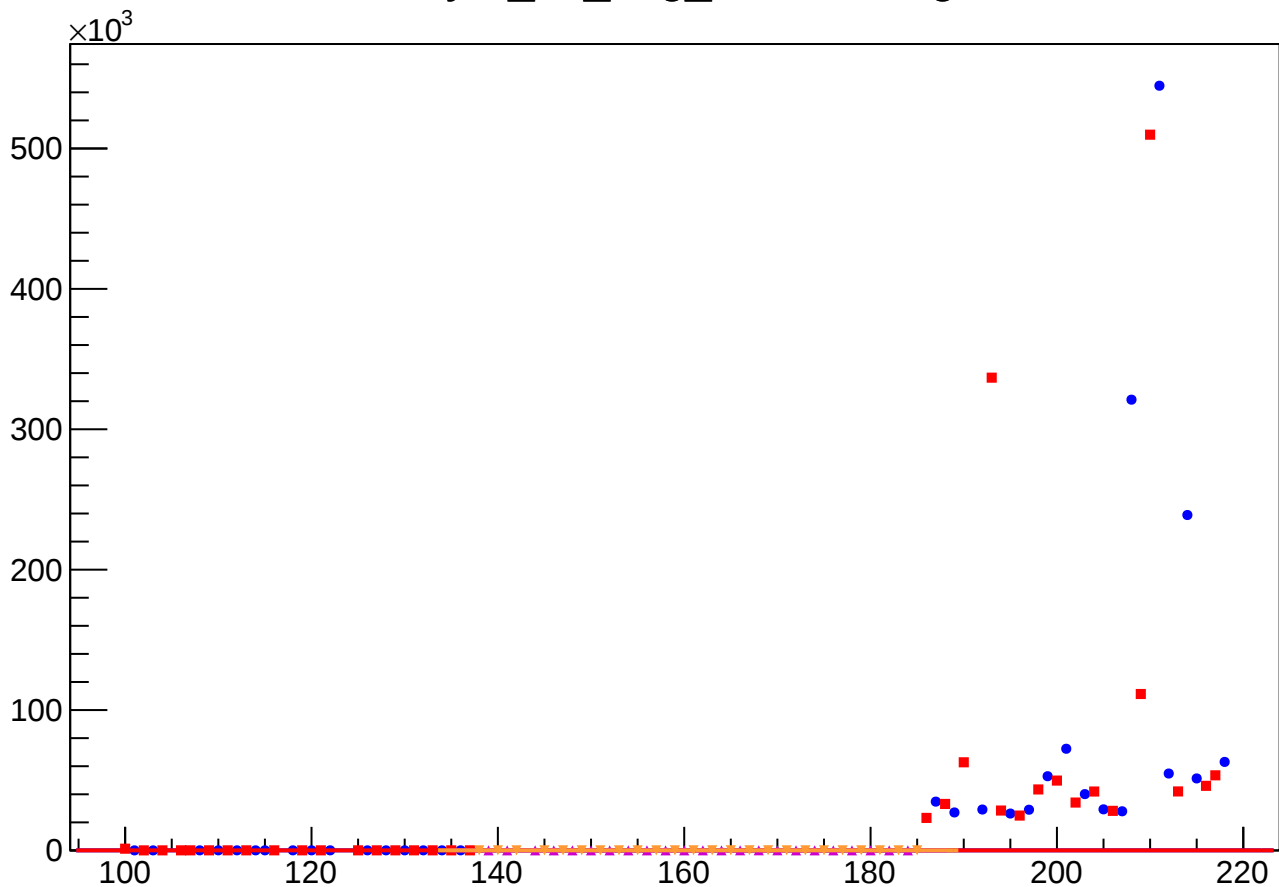
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

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

All: 0.811 ± 12.407 χ^2/NDF : 101.3/107

- sign 4.267 ± 17.623 χ^2/NDF : 54.7/54

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: 79.464 $\pm$ 0.022 χ^2 /NDF: 6552292.3/33

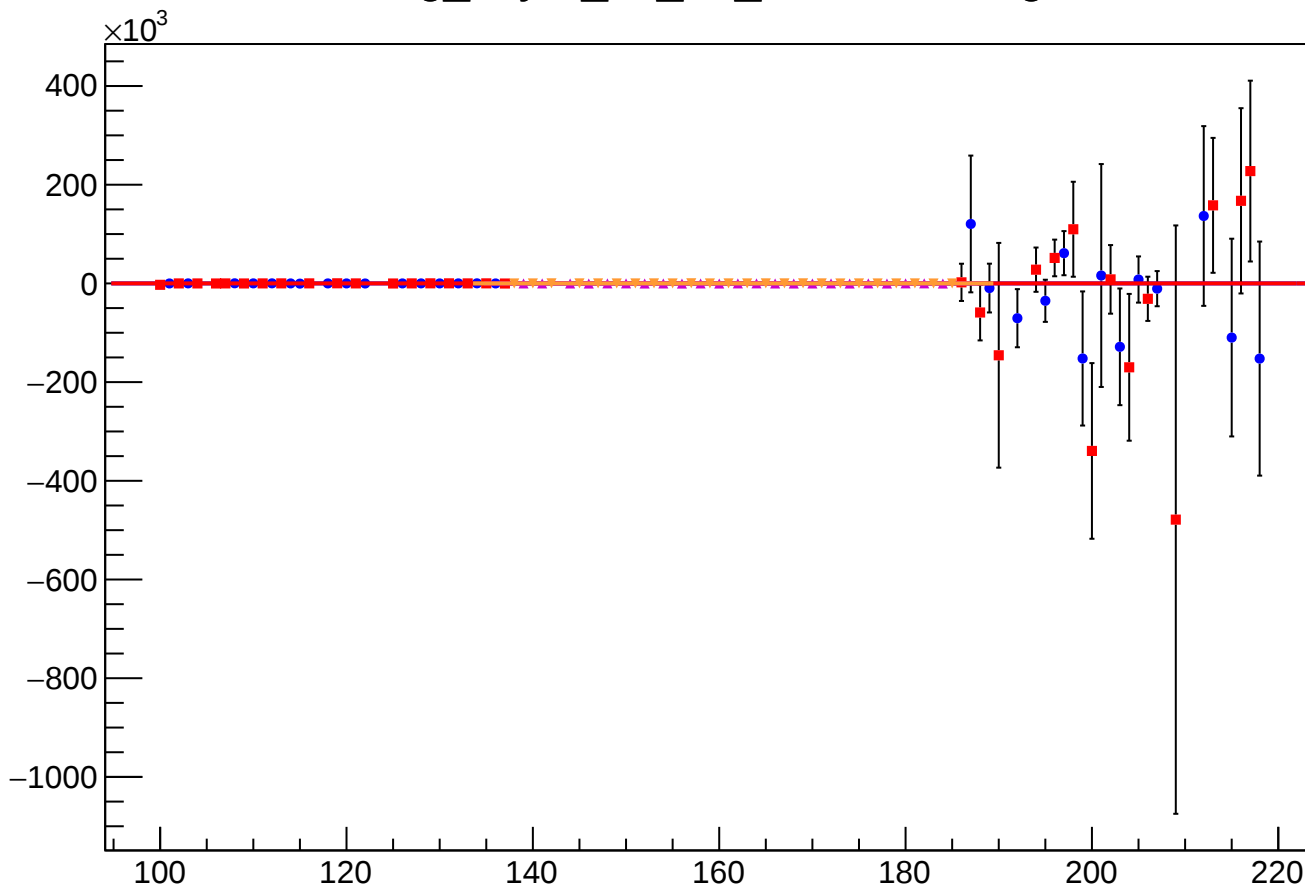
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

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

All: 85.678 $\pm$ 0.009 χ^2 /NDF: 14869299.4/112

- sign 86.231 $\pm$ 0.012 χ^2 /NDF: 7209457.2/56

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: 25.802 ± 30.473 χ^2/NDF : 27.7/31

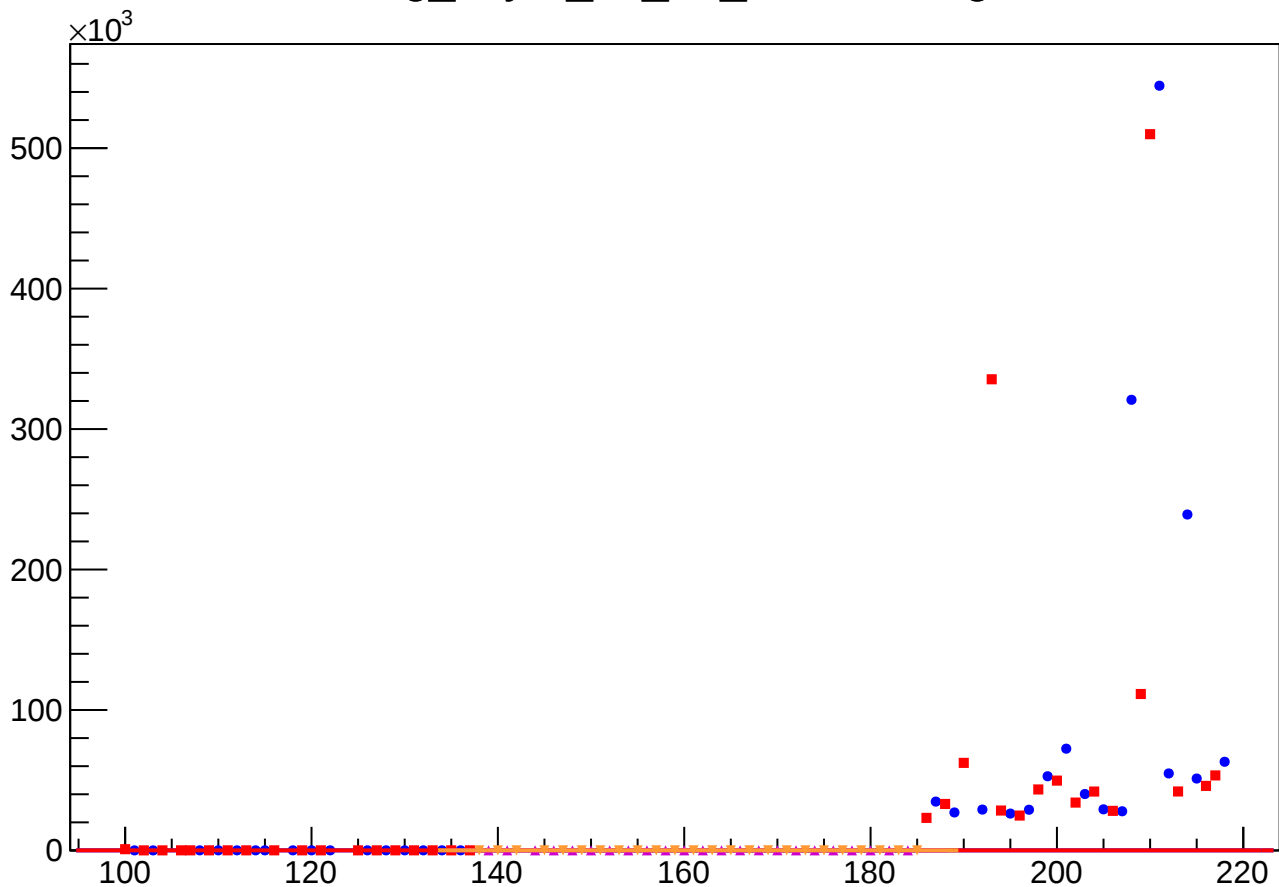
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

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

All: -3.575 ± 12.403 χ^2/NDF : 104.2/107

- sign -20.283 ± 17.618 χ^2/NDF : 62.5/54

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 : 6544606.3/33

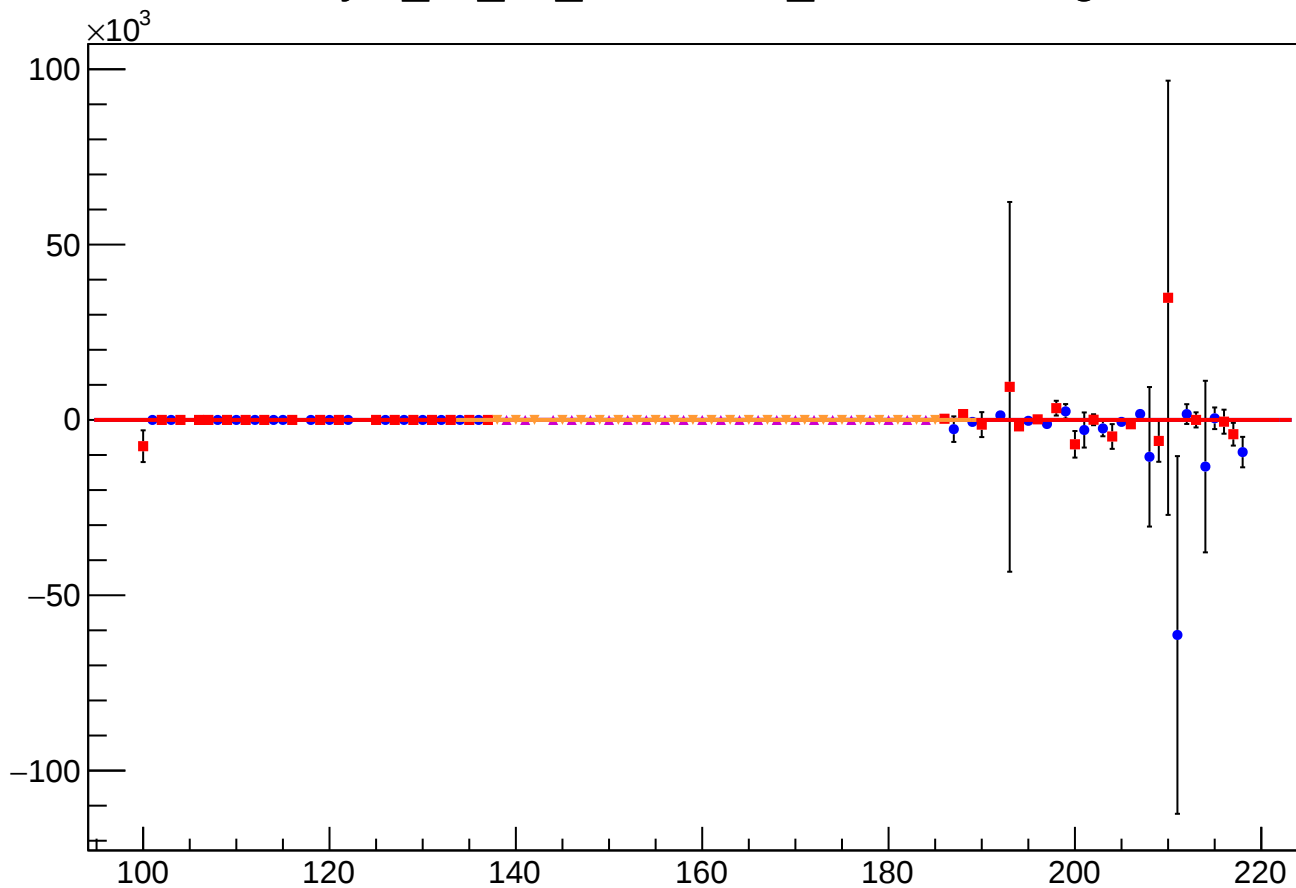
Left In: 89.628 $\pm$ 0.015 χ^2/NDF : 511042.3/22

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

All: 85.652 $\pm$ 0.009 χ^2/NDF : 14865572.5/112

- sign 86.213 $\pm$ 0.012 χ^2/NDF : 7205268.9/56

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 : 33.6/33

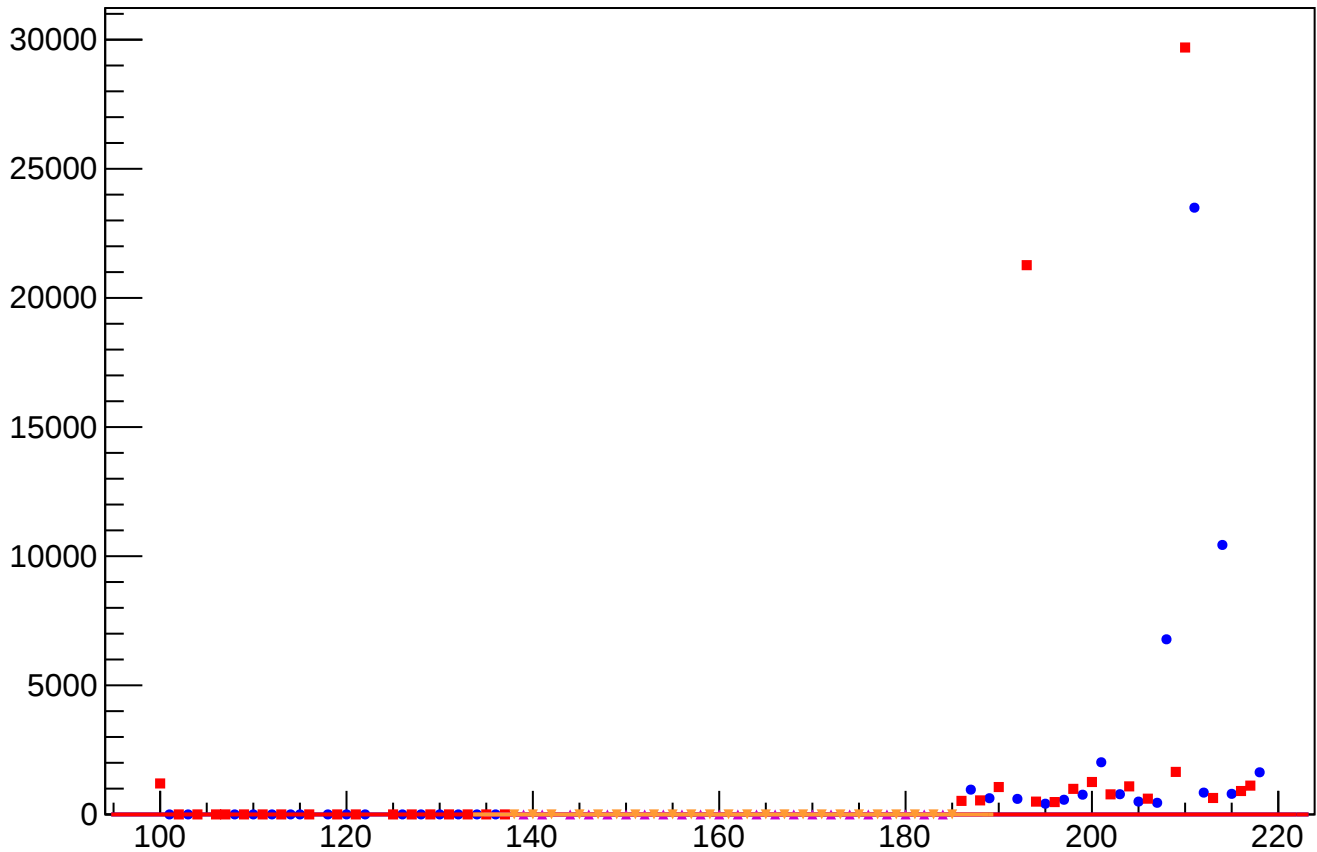
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

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

All: -0.045 ± 0.224 χ^2/NDF : 111.9/112

- sign -0.069 ± 0.318 χ^2/NDF : 54.3/56

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 : 7087119.3/33

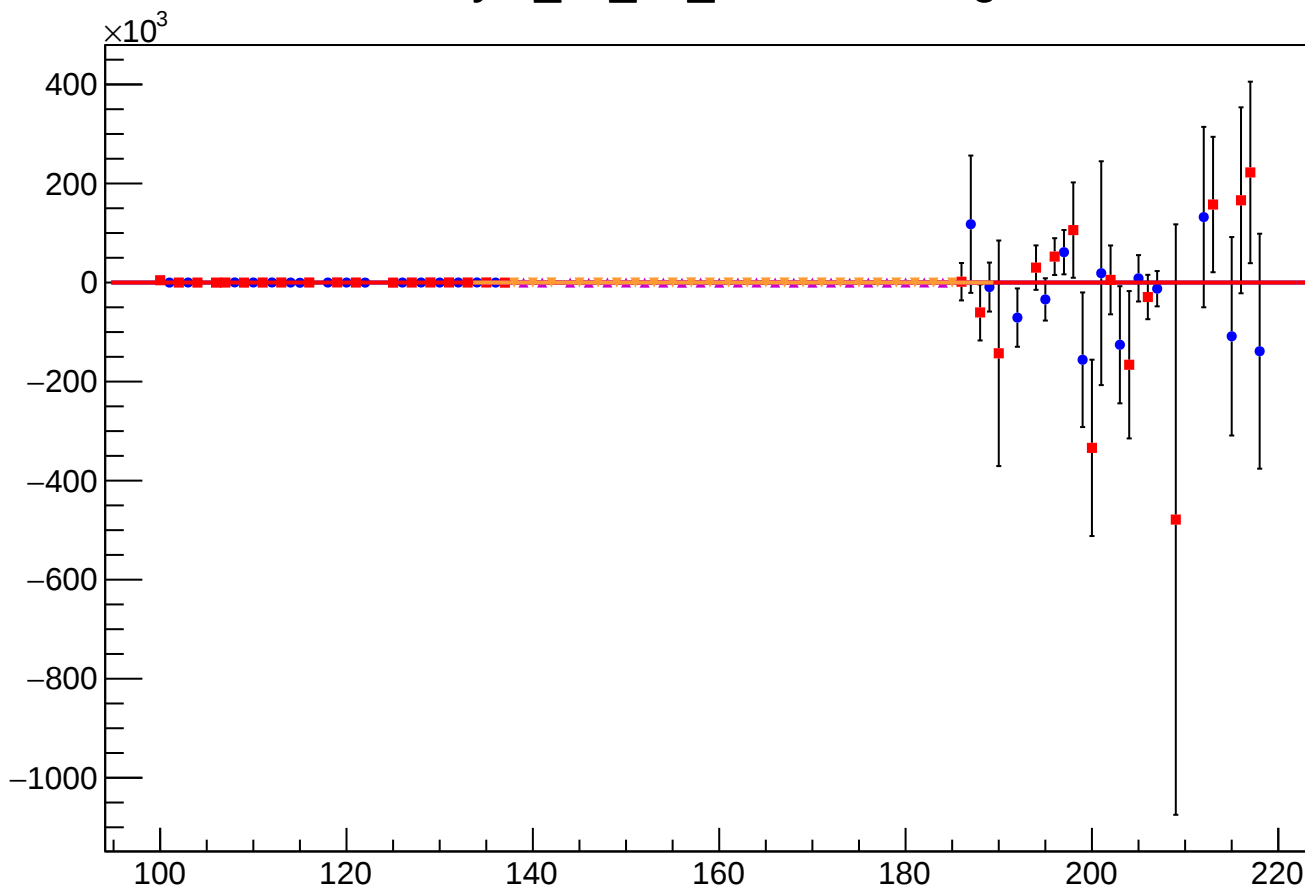
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

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

All: 1.400+/-0.000 χ^2/NDF : 16873699.4/112

- sign 1.413+/-0.000 χ^2/NDF : 8227612.3/56

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: 26.412 ± 30.482 χ^2/NDF : 27.6/31

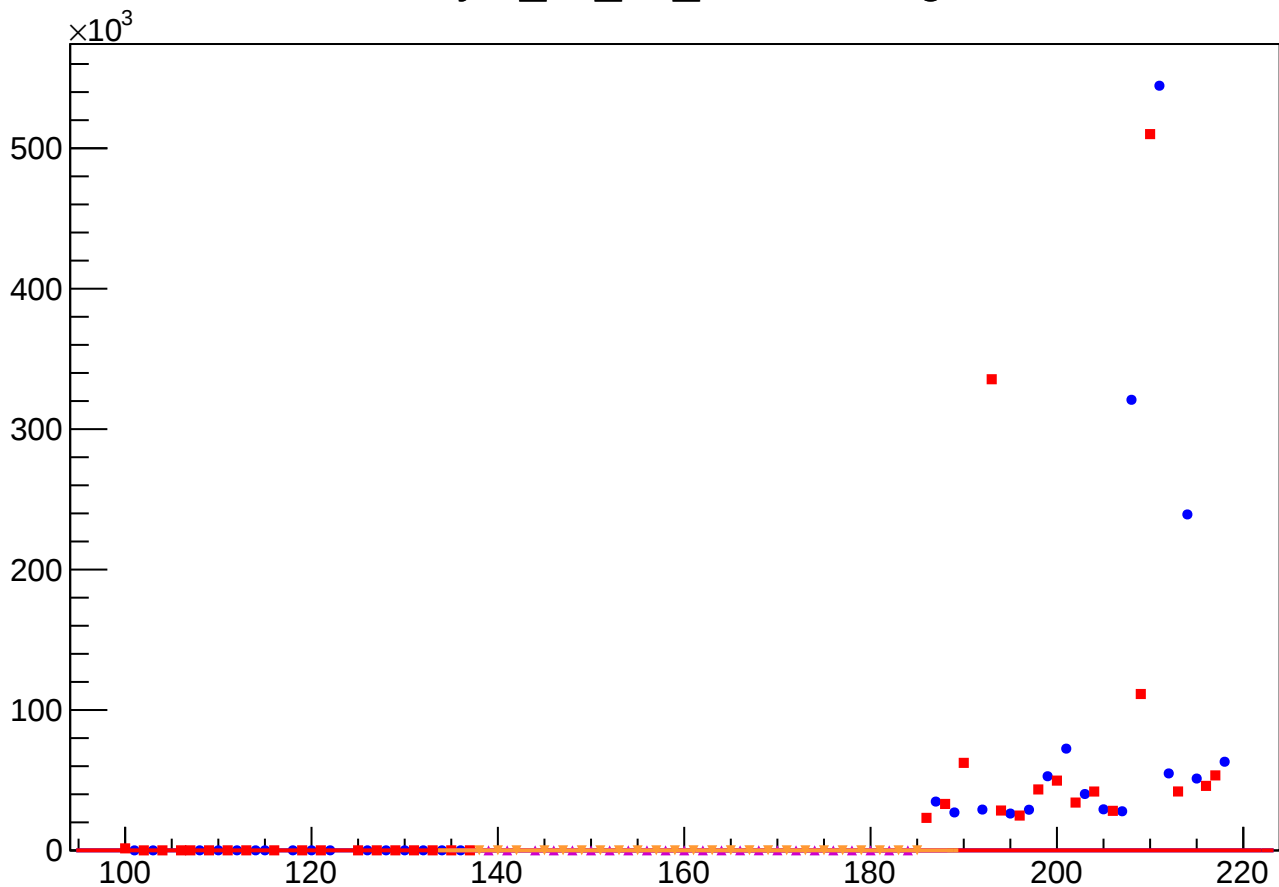
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

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

All: -3.587 ± 12.407 χ^2/NDF : 103.5/107

- sign -20.399 ± 17.624 χ^2/NDF : 62.2/54

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: 79.409 $\pm$ 0.022 χ^2 /NDF: 6553924.2/33

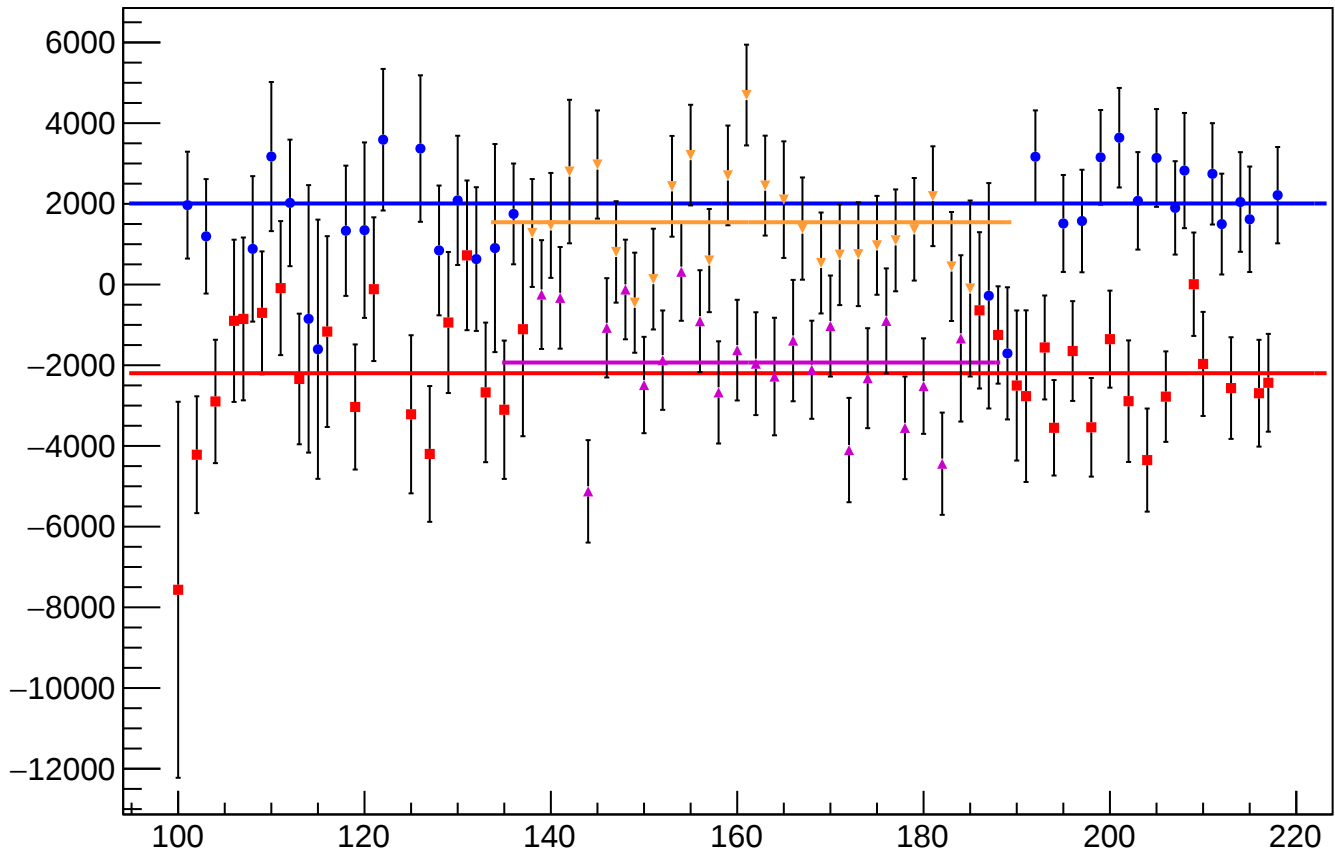
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

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

All: 85.673 $\pm$ 0.009 χ^2 /NDF: 14877492.4/112

- sign 86.230 $\pm$ 0.012 χ^2 /NDF: 7216186.8/56

reg_asym_usl_mean vs Slug



Right In: 2009.214 ± 256.951 $\chi^2/\text{NDF}: 17.8/31$

Left Out: 1544.102 ± 266.270 $\chi^2/\text{NDF}: 20.0/23$

Right Out: -2197.389 ± 255.535 $\chi^2/\text{NDF}: 25.4/34$

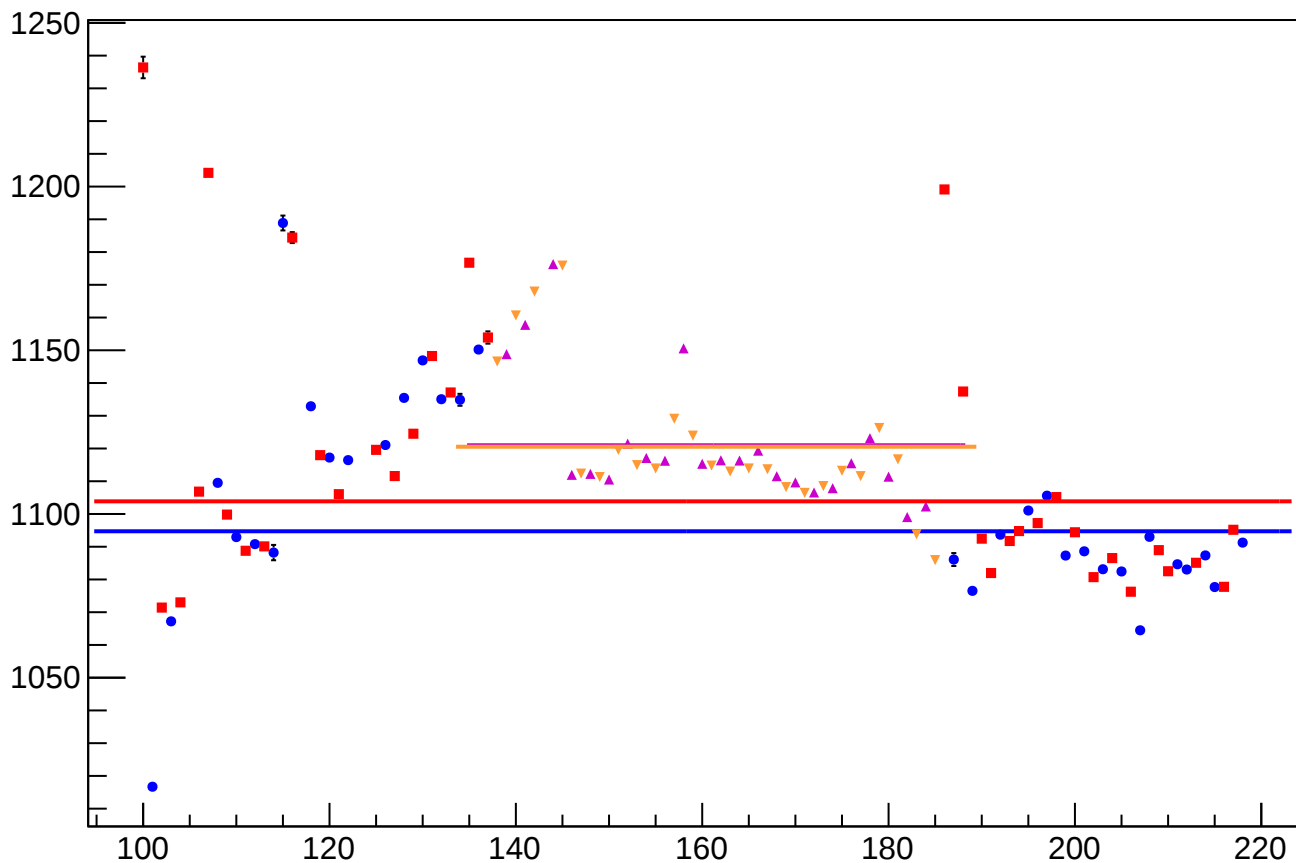
Left In: -1933.000 ± 268.006 $\chi^2/\text{NDF}: 27.0/22$

+ sign 1784.939 ± 184.899 $\chi^2/\text{NDF}: 39.3/55$

All: -142.818 ± 130.759 $\chi^2/\text{NDF}: 309.7/113$

- sign -2071.489 ± 184.942 $\chi^2/\text{NDF}: 52.9/57$

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: 1103.862 $\pm$ 0.181 χ^2 /NDF: 29205.2/34

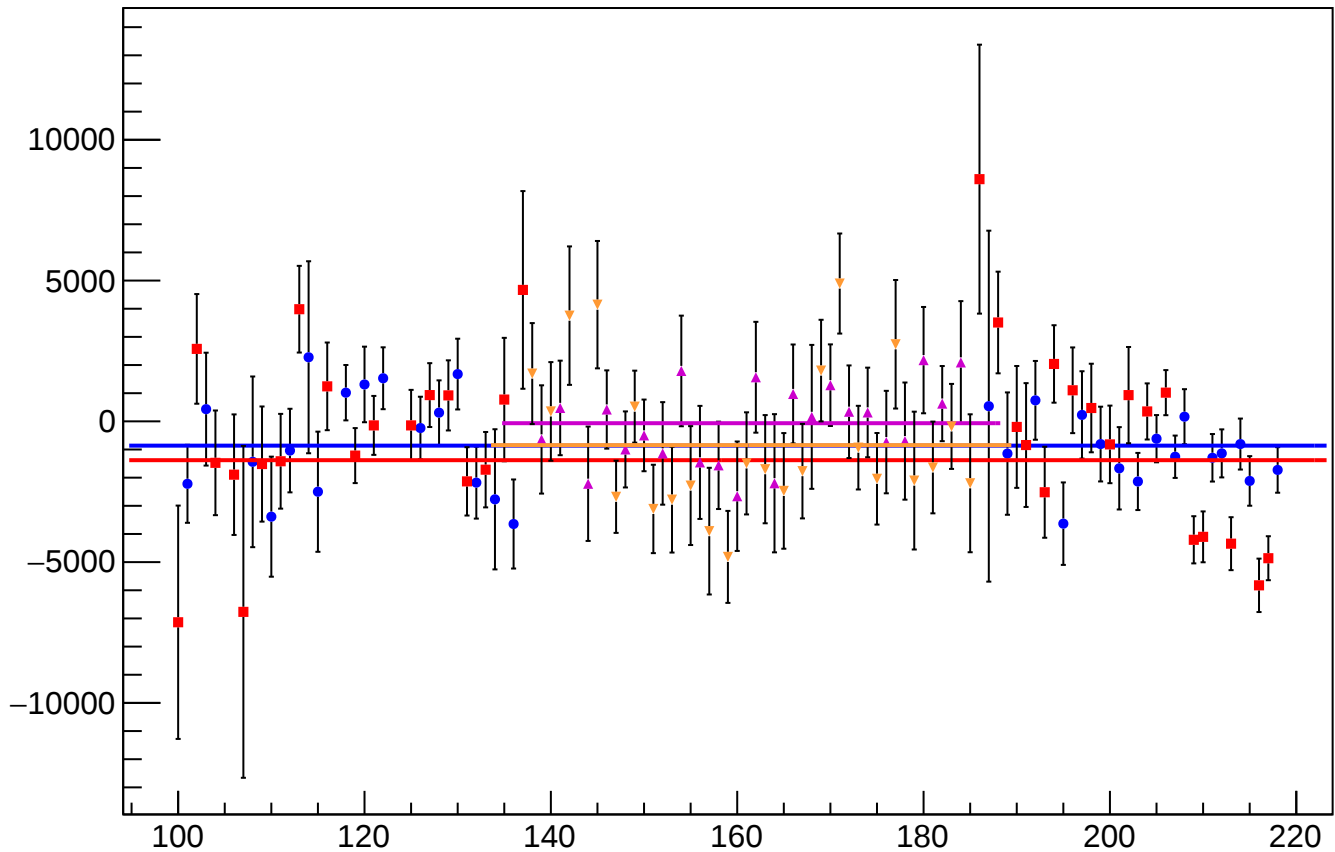
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

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

All: 1109.594 $\pm$ 0.092 χ^2 /NDF: 87390.6/113

- sign 1112.019 $\pm$ 0.131 χ^2 /NDF: 43126.1/57

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: -1379.358 ± 221.908 χ^2/NDF : 145.3/34

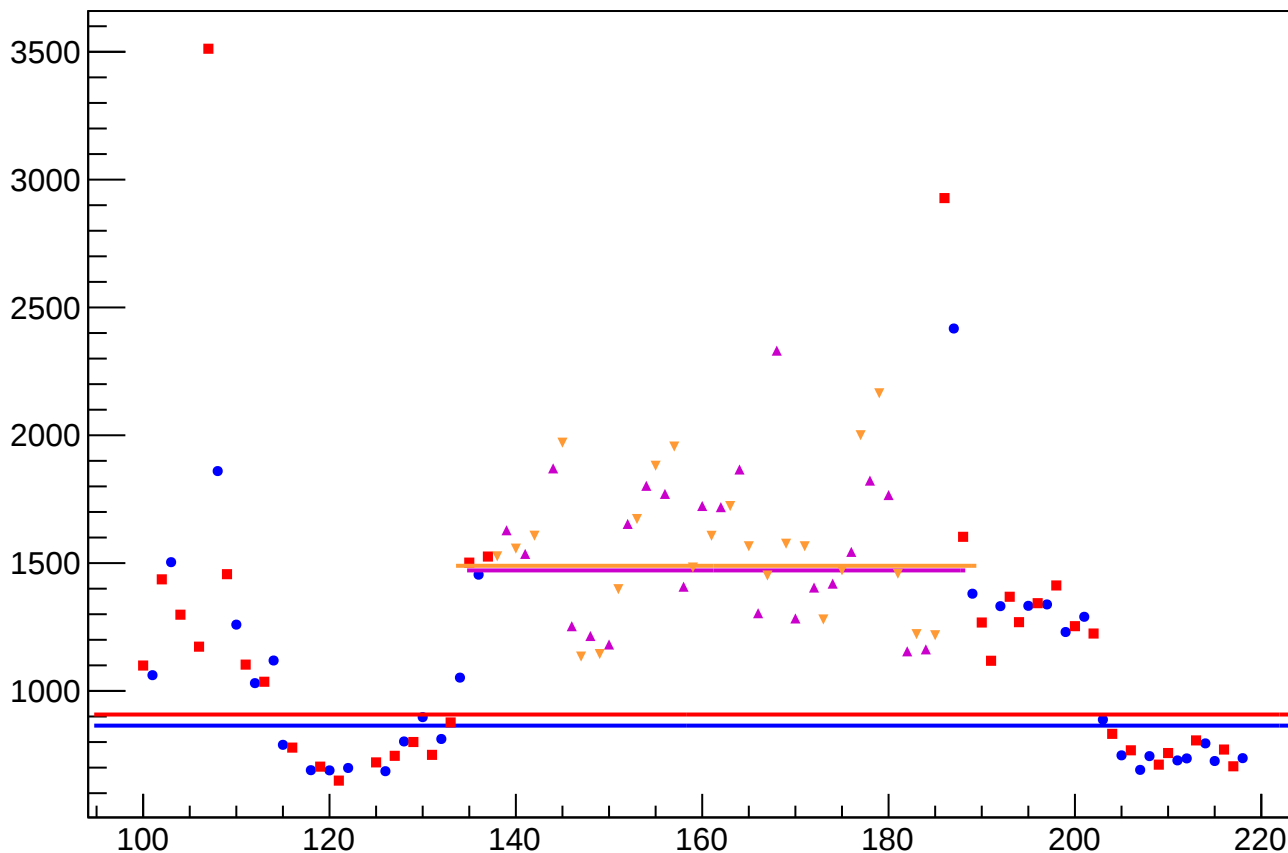
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

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

All: -934.476 ± 131.211 χ^2/NDF : 248.5/113

- sign -1015.888 ± 188.727 χ^2/NDF : 167.1/57

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: 907.698 ± 0.157 χ^2/NDF : 3442415.2/34

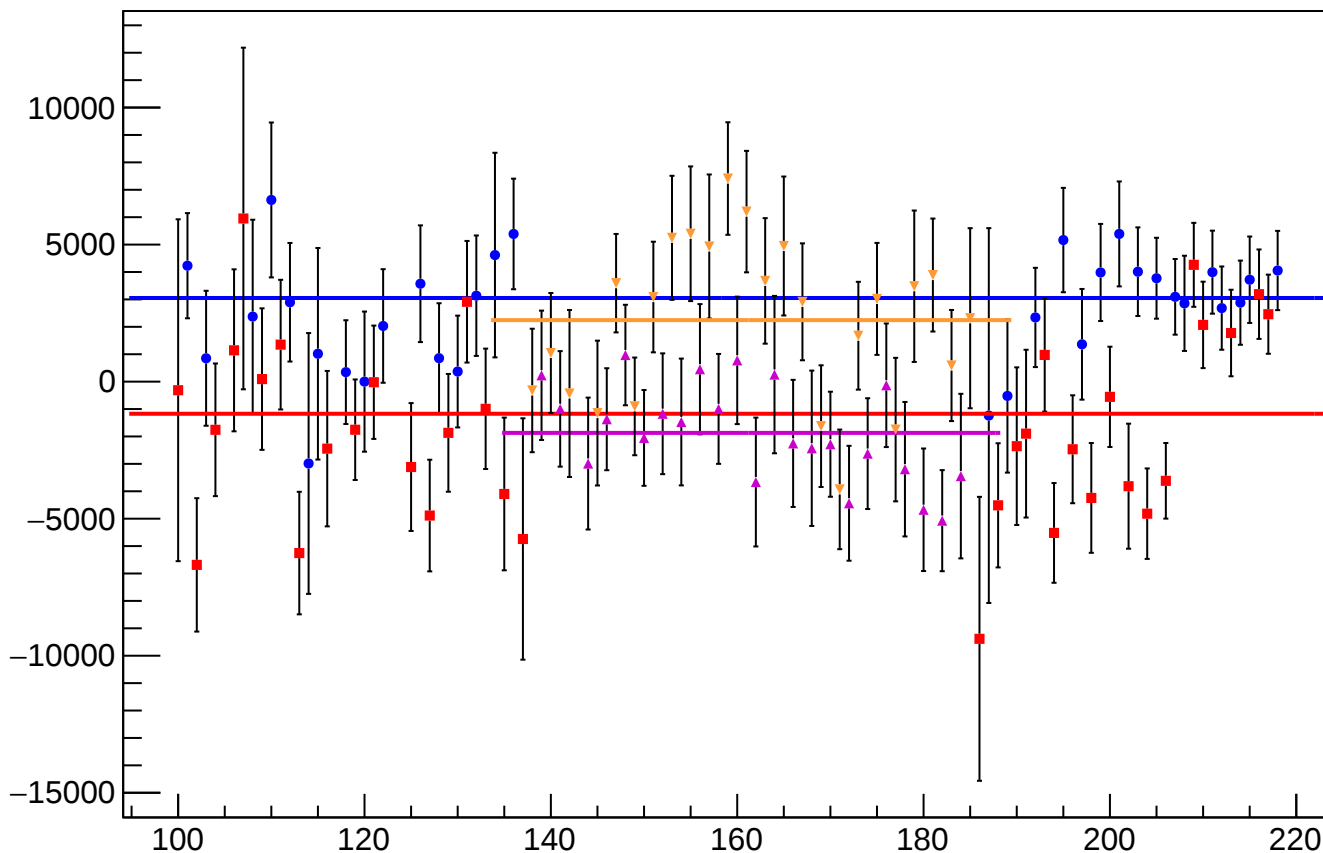
Left In: 1471.394 ± 0.254 χ^2/NDF : 1105310.5/22

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

All: 1043.190 ± 0.093 χ^2/NDF : 16254619.0/101

- sign 1063.669 ± 0.133 χ^2/NDF : 8118580.0/57

asym_usl_mean vs Slug



Right In: 3052.158 $\pm$ 347.007 χ^2 /NDF: 20.5/31

Left Out: 2244.415 $\pm$ 456.474 χ^2 /NDF:38.6/23

Right Out: -1171.797 $\pm$ 355.907 χ^2 /NDF: 81.7/34

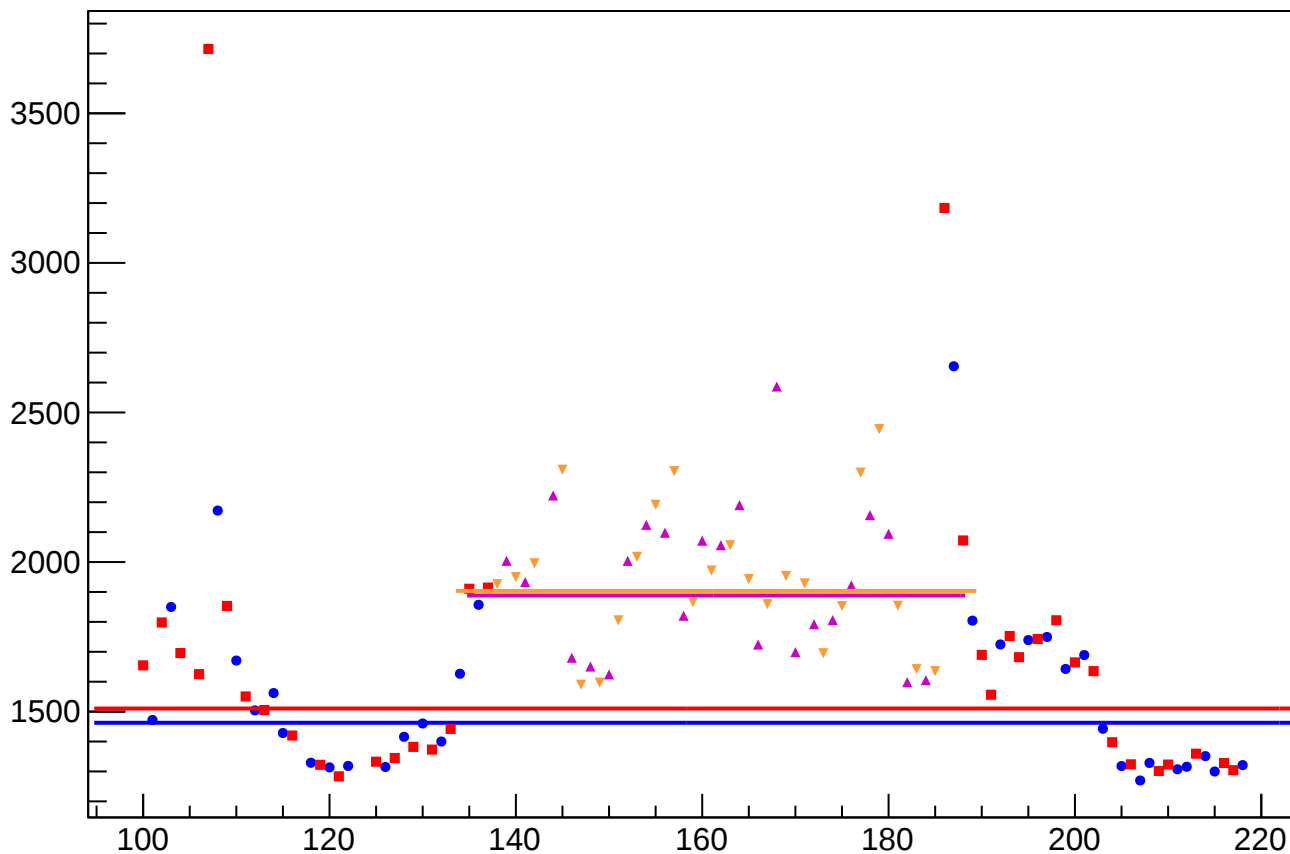
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2756.329 $\pm$ 276.249 χ^2 /NDF: 61.1/55

All: 691.528 $\pm$ 196.803 χ^2 /NDF: 272.6/113

- sign -1436.419 $\pm$ 280.441 χ^2 /NDF: 98.1/57

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: 1510.391 $\pm$ 0.252 χ^2 /NDF: 1148880.7/34

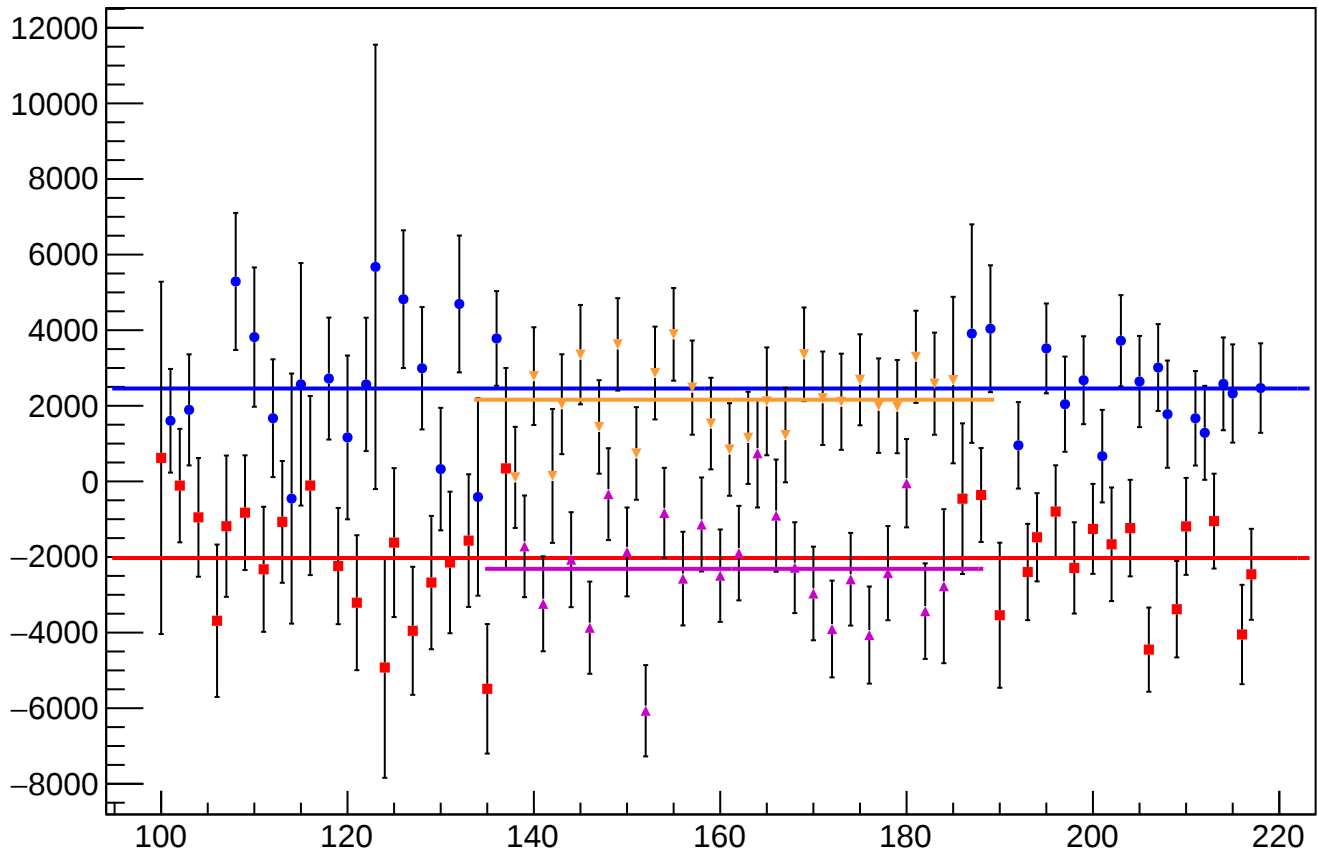
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

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

All: 1638.673 $\pm$ 0.139 χ^2 /NDF: 4849231.9/11

- sign 1653.595 $\pm$ 0.198 χ^2 /NDF: 2507518.6/57

reg_asym_usr_mean vs Slug



Right In: 2457.558 ± 256.785 χ^2/NDF : 21.4/32

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

Right Out: -2026.577 ± 256.191 χ^2/NDF : 27.5/34

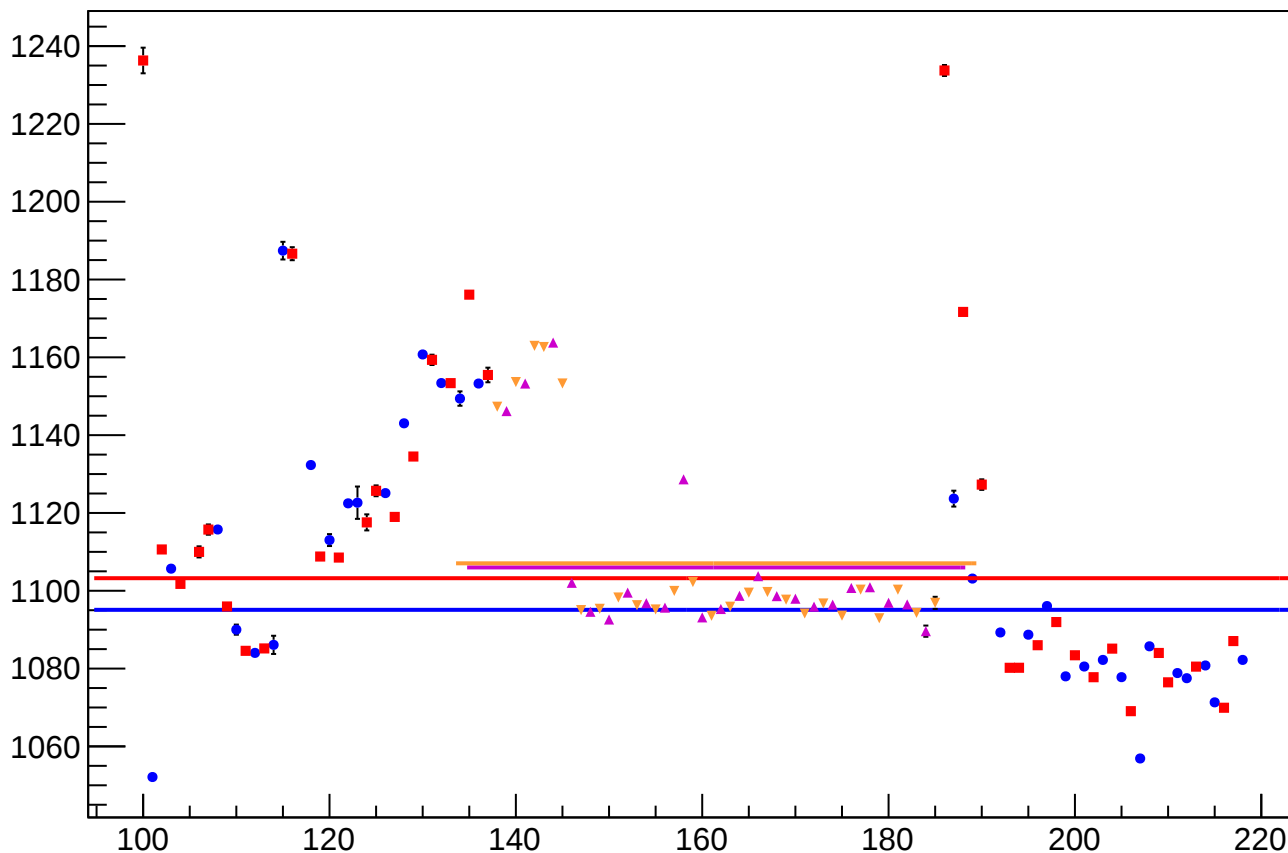
Left In: -2313.505 ± 264.429 χ^2/NDF : 31.3/22

+ sign 2309.914 ± 181.833 χ^2/NDF : 37.2/57

All: 98.690 ± 129.334 χ^2/NDF : 395.9/115

- sign -2165.502 ± 183.998 χ^2/NDF : 59.4/57

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: 1103.232 $\pm$ 0.181 χ^2 /NDF: 37794.7/34

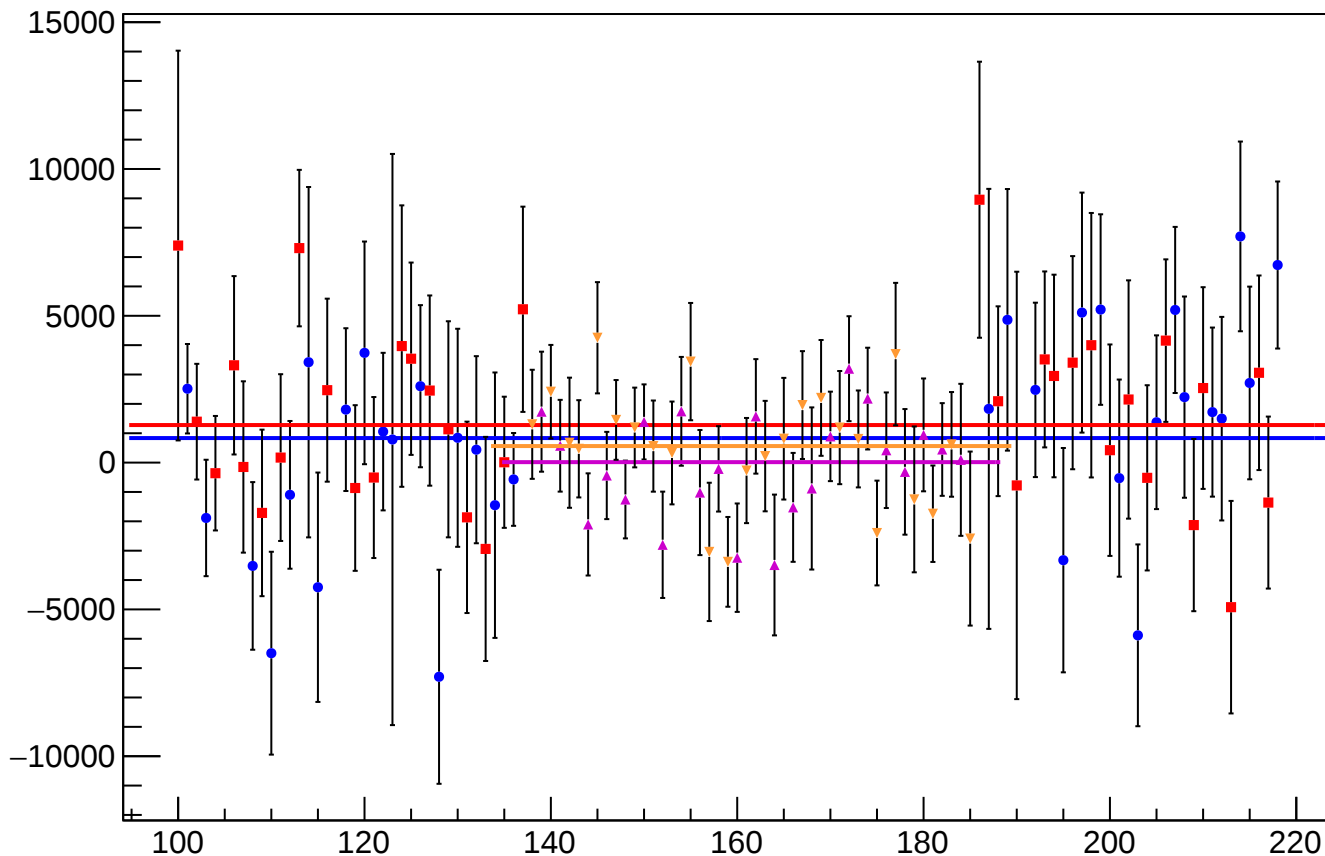
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

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

All: 1102.795 $\pm$ 0.091 χ^2 /NDF: 91760.5/115

- sign 1104.571 $\pm$ 0.130 χ^2 /NDF: 49458.8/57

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: 1278.877 ± 526.652 χ^2/NDF : 25.8/34

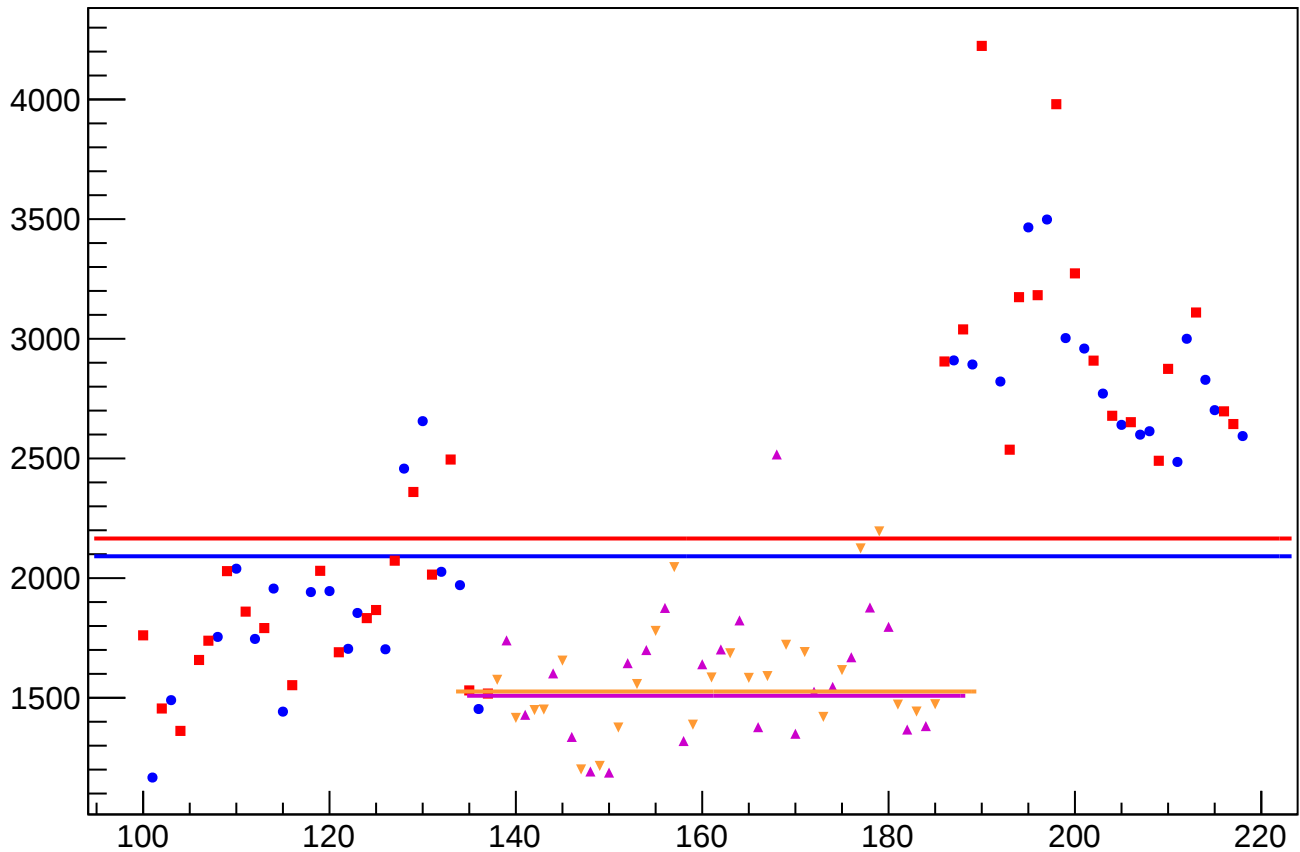
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

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

All: 542.511 ± 210.955 χ^2/NDF : 118.6/115

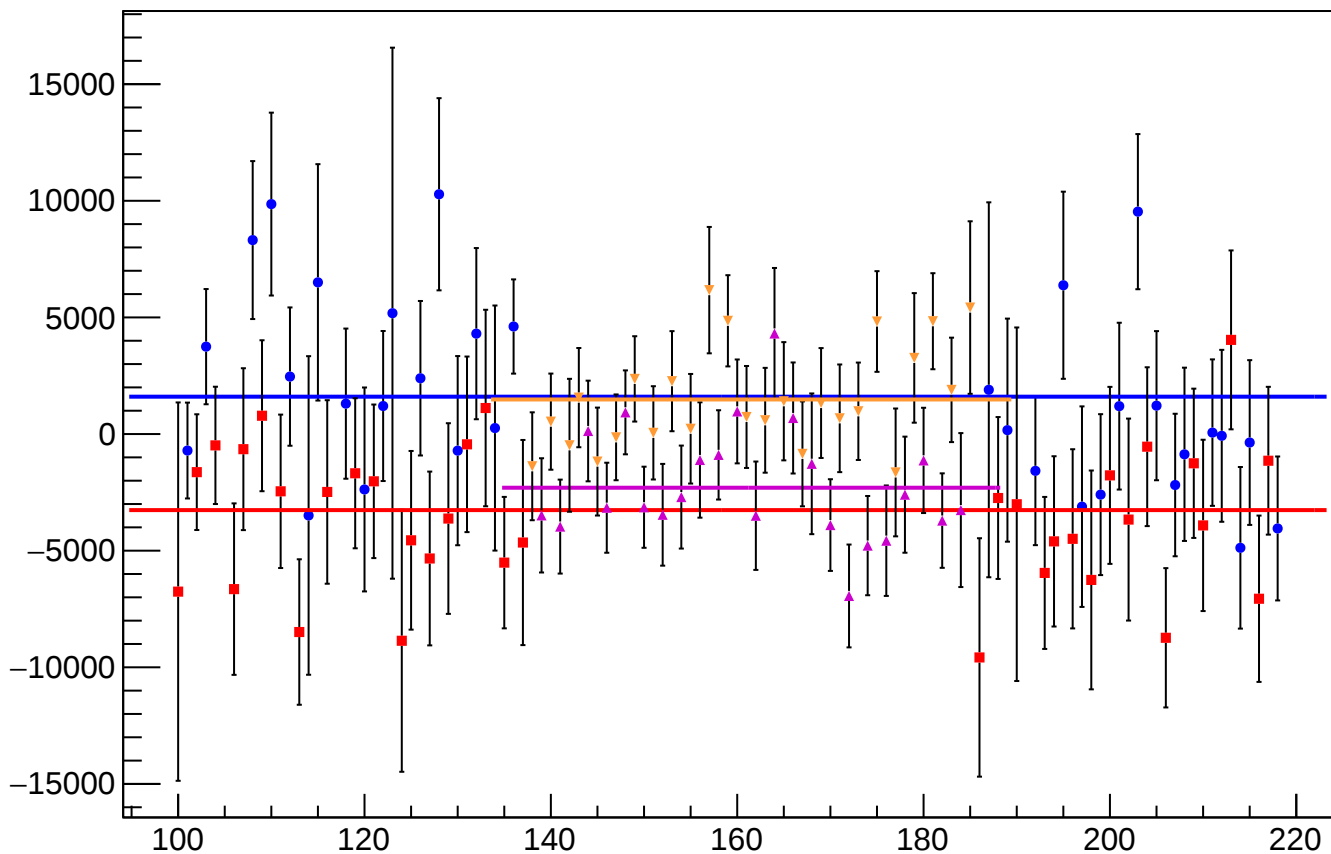
- sign 428.258 ± 301.022 χ^2/NDF : 49.8/57

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: 1717.528+/-0.149	χ^2/NDF : 11563127.2/1
Right Out: 2165.585+/-0.372	χ^2/NDF : 2958255.5/34	- sign 1723.224+/-0.213	χ^2/NDF : 5985630.8/57
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: -3260.707 $\pm$ 604.756 χ^2 /NDF: 24.6/34

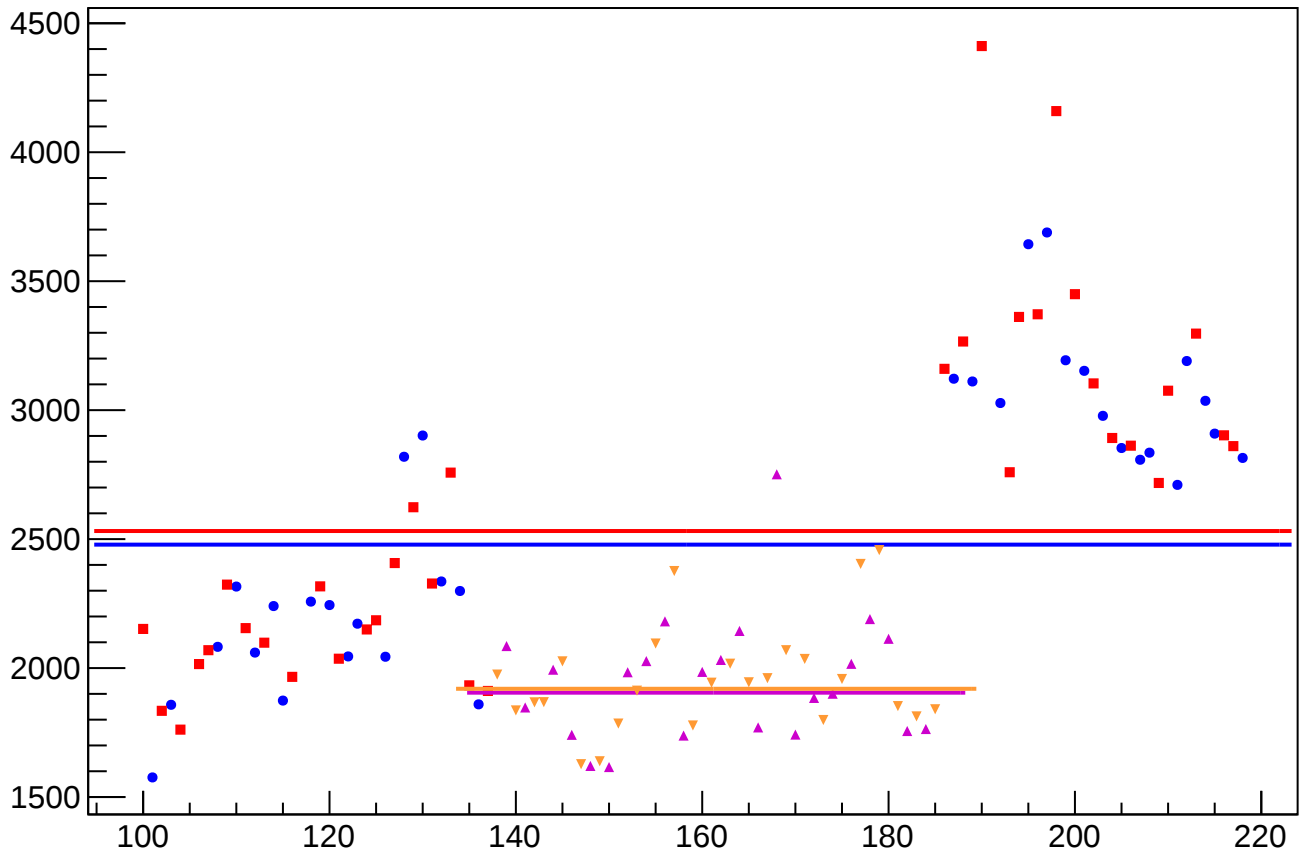
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

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

All: -528.366 $\pm$ 256.382 χ^2 /NDF: 179.4/115

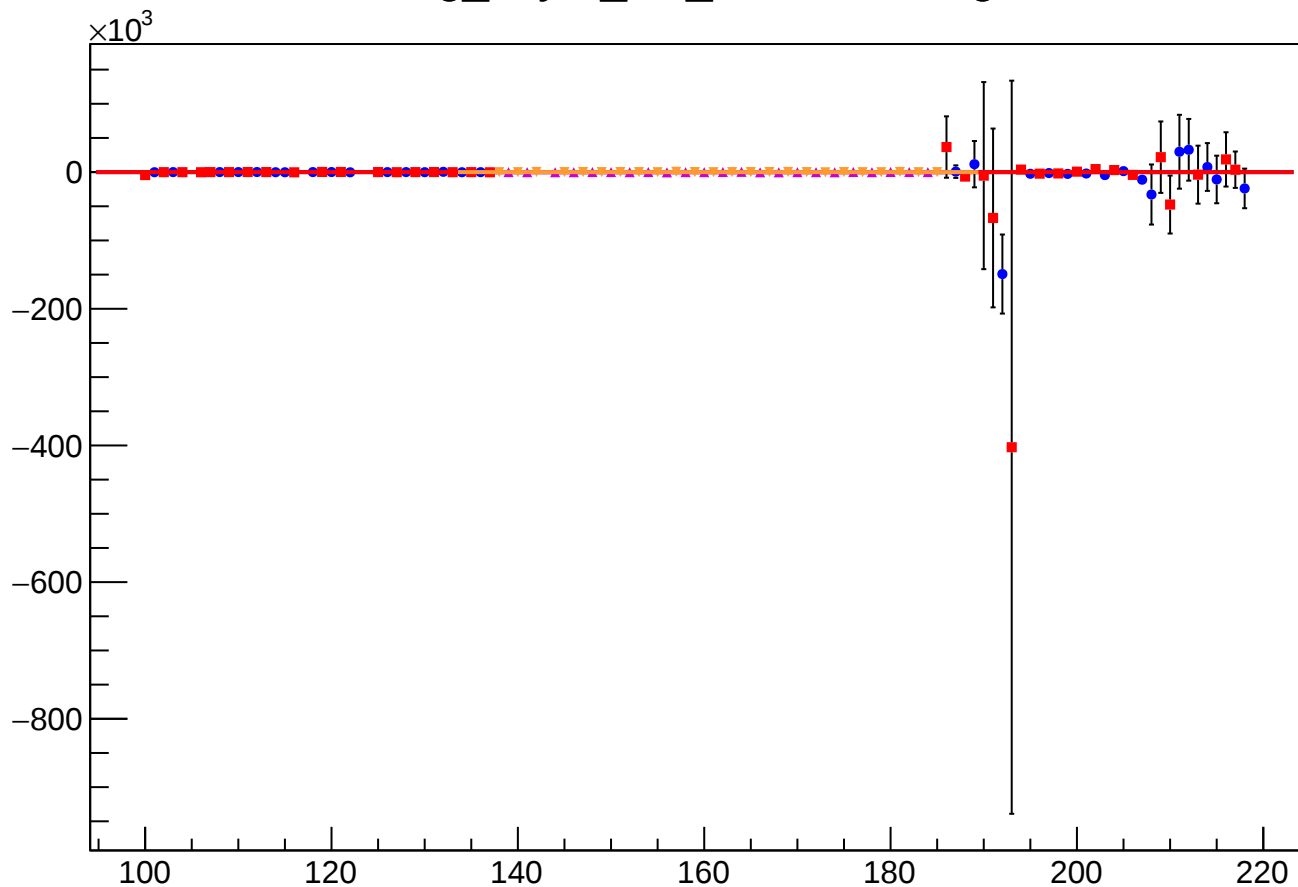
- sign -2651.973 $\pm$ 365.637 χ^2 /NDF: 51.0/57

asym_usr_rms vs Slug



Right In: 2478.616 $\pm$ 0.423	χ^2 /NDF: 1826355.2/32	+ sign 2121.708 $\pm$ 0.254	χ^2 /NDF: 3307532.8/57
Left Out: 1919.732 $\pm$ 0.318	χ^2 /NDF: 366218.1/24	All: 2127.622 $\pm$ 0.181	χ^2 /NDF: 6948089.5/11
Right Out: 2531.388 $\pm$ 0.428	χ^2 /NDF: 1829181.2/34	- sign 2133.737 $\pm$ 0.259	χ^2 /NDF: 3639456.2/57
Left In: 1904.629 $\pm$ 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: -1.835 ± 36.747 χ^2/NDF : 21.1/34

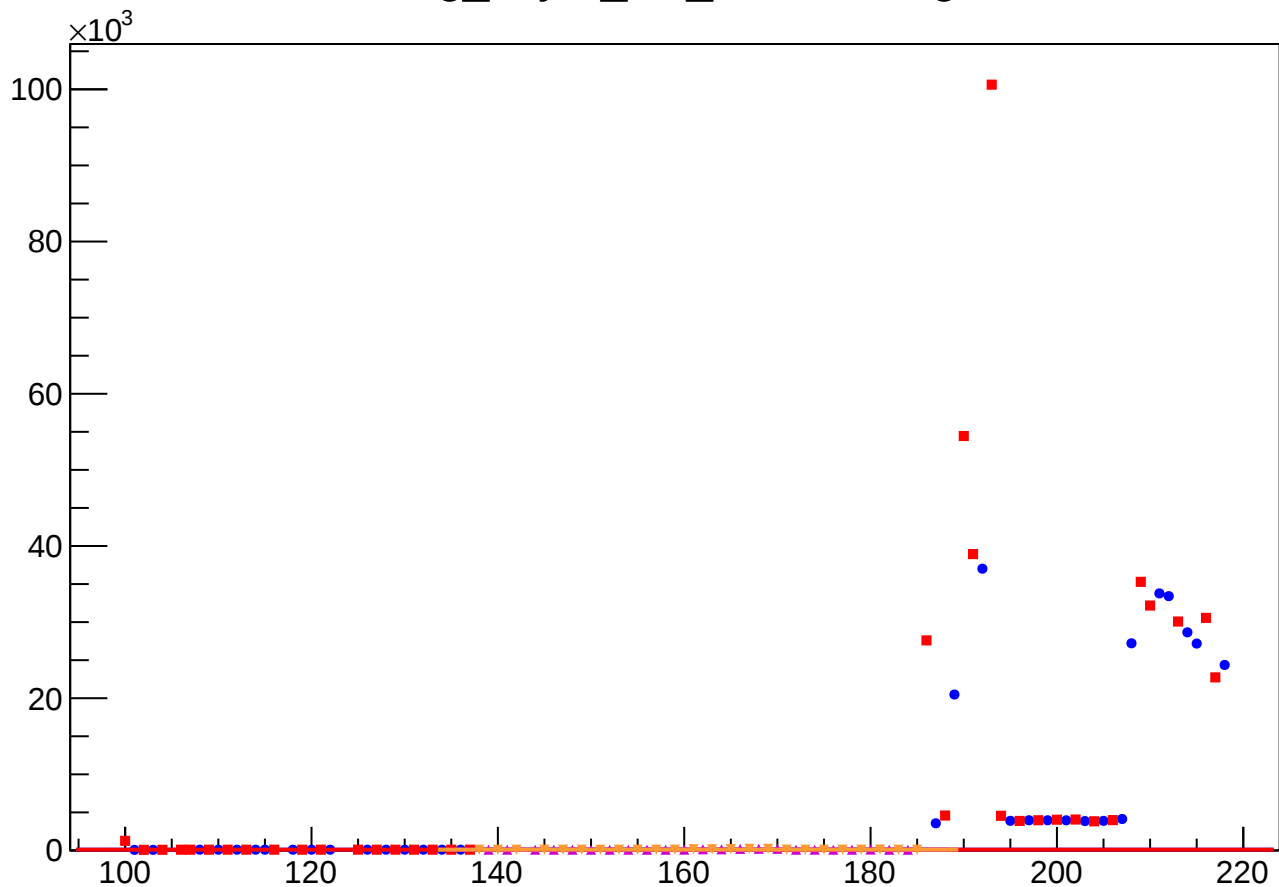
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

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

All: -4.818 ± 15.124 χ^2/NDF : 128.1/113

- sign -16.995 ± 21.410 χ^2/NDF : 57.8/57

reg_asym_dsl_rms vs Slug



Right In: 96.193+/-0.026 χ^2 /NDF: 19410218.6/31

Left Out: 108.059+/-0.019 χ^2 /NDF:1434979.3/23

Right Out: 98.362+/-0.026 χ^2 /NDF: 18170466.9/34

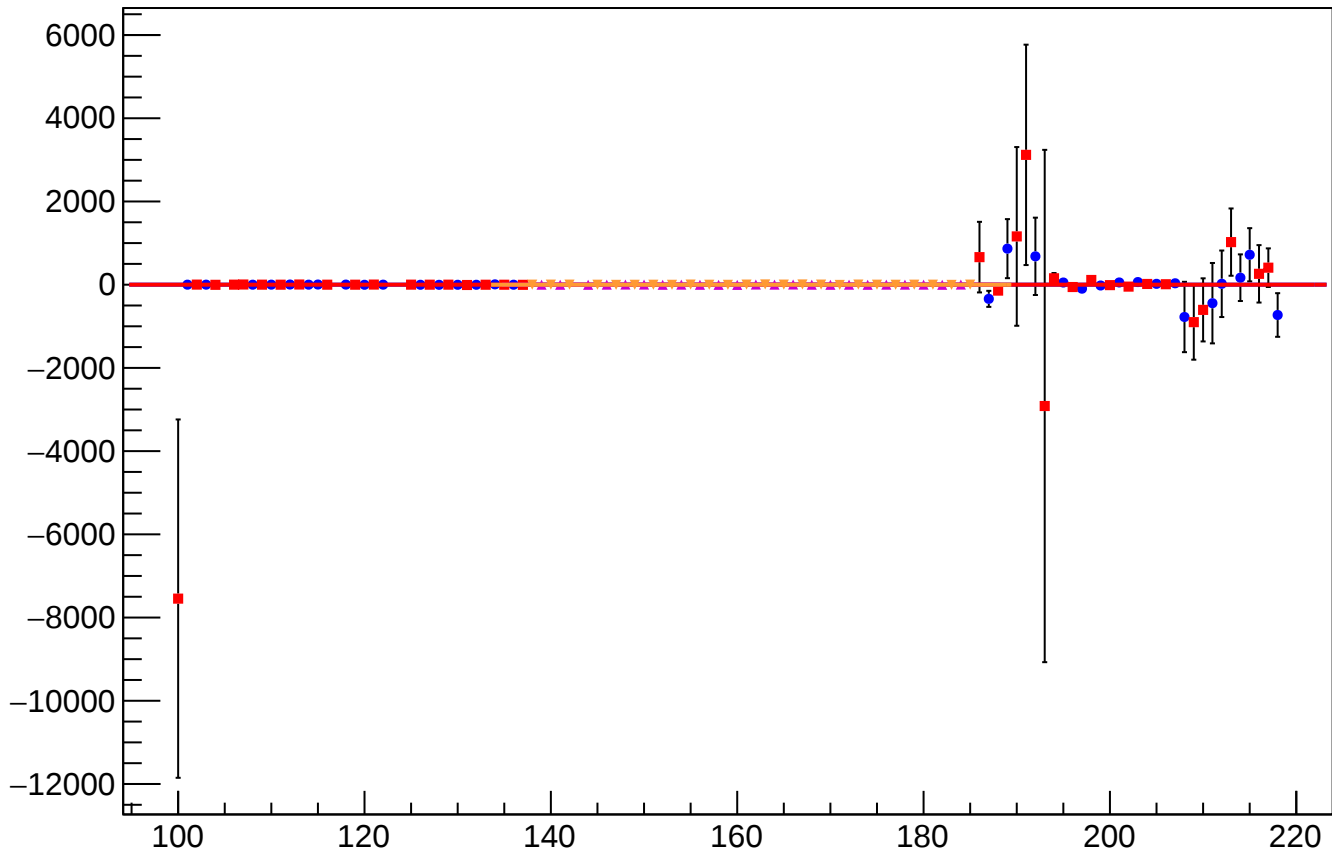
Left In: 107.672+/-0.019 χ^2 /NDF:1491034.7/22

+ sign 104.050+/-0.015 χ^2 /NDF: 20983174.4/55

All: 104.281+/-0.011 χ^2 /NDF: 40729944.4/11

- sign 104.512+/-0.015 χ^2 /NDF: 19746304.4/57

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: 33.8/34

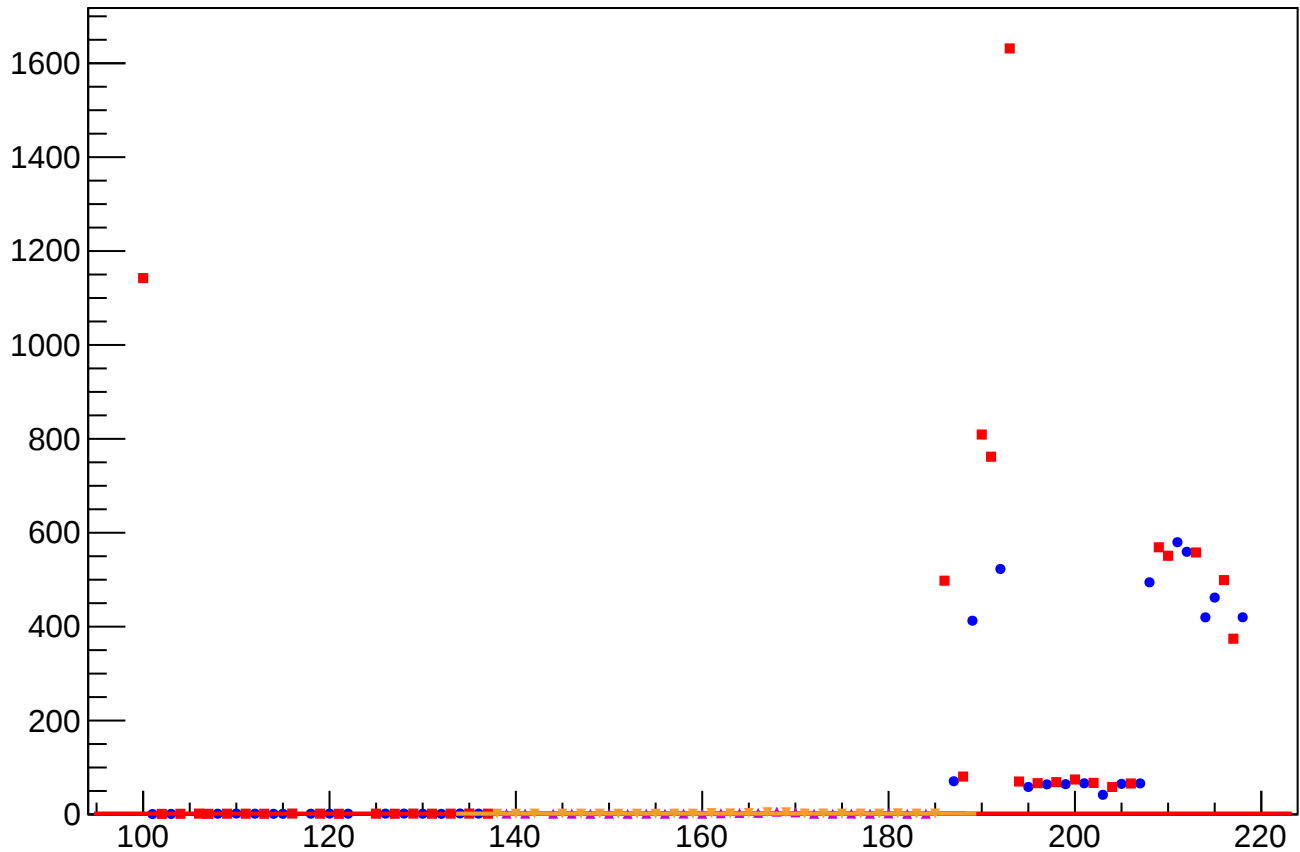
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF:25.0/22

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

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 115.1/113

- sign 0.169 $\pm$ 0.387 χ^2 /NDF: 58.9/57

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: 1.586 $\pm$ 0.000 χ^2 /NDF: 16062766.8/34

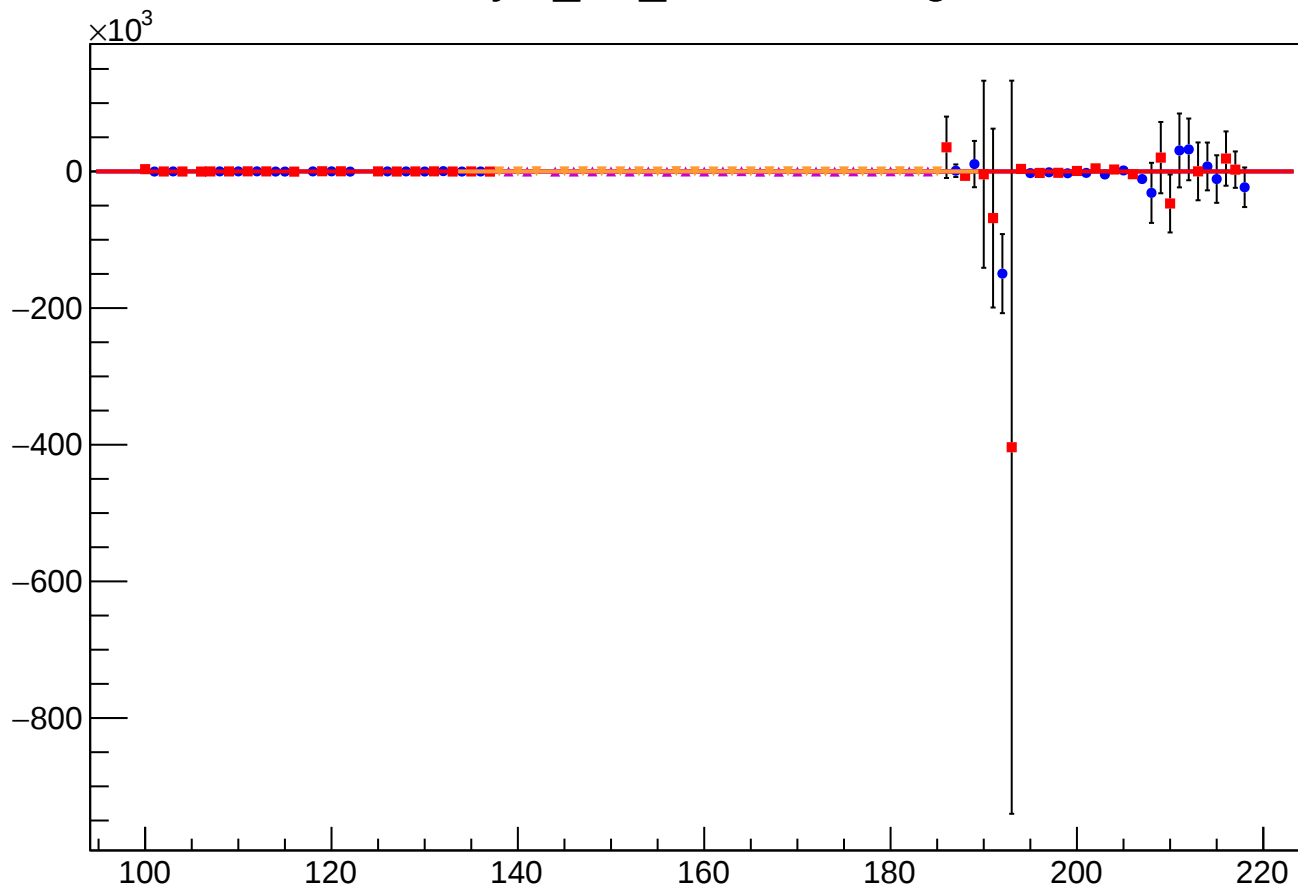
Left In: 1.802 $\pm$ 0.000 χ^2 /NDF:1921298.2/22

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

All: 1.687 $\pm$ 0.000 χ^2 /NDF: 36983719.9/113

- sign 1.724 $\pm$ 0.000 χ^2 /NDF: 18127817.1/57

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: -1.599 ± 36.757 χ^2/NDF : 20.5/34

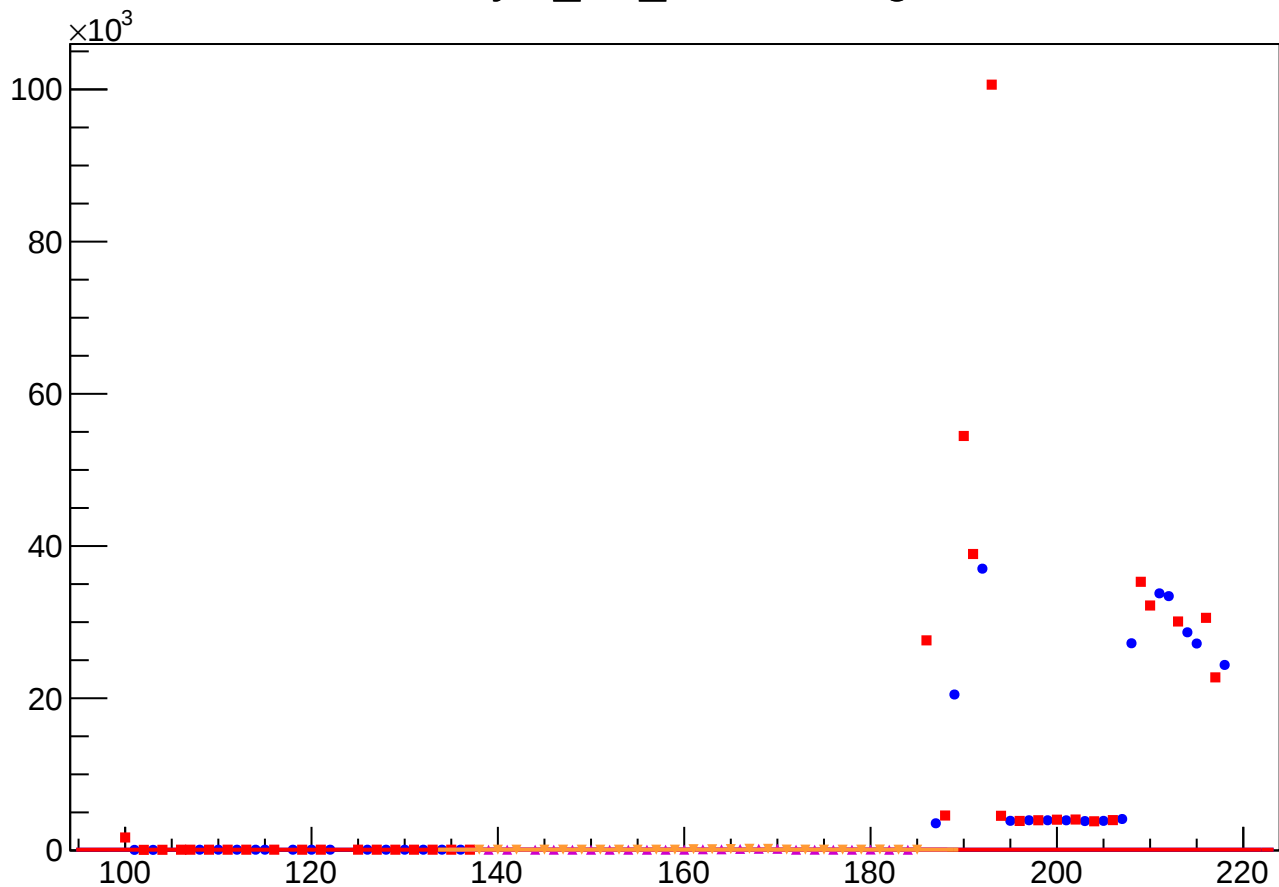
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

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

All: -4.674 ± 15.129 χ^2/NDF : 126.9/113

- sign -17.262 ± 21.416 χ^2/NDF : 56.5/57

asym_dsl_rms vs Slug



Right In: 96.218+/-0.026 χ^2/NDF : 19410201.3/31

Left Out: 108.090+/-0.019 χ^2/NDF : 1436368.7/23

Right Out: 98.371+/-0.026 χ^2/NDF : 18175773.1/34

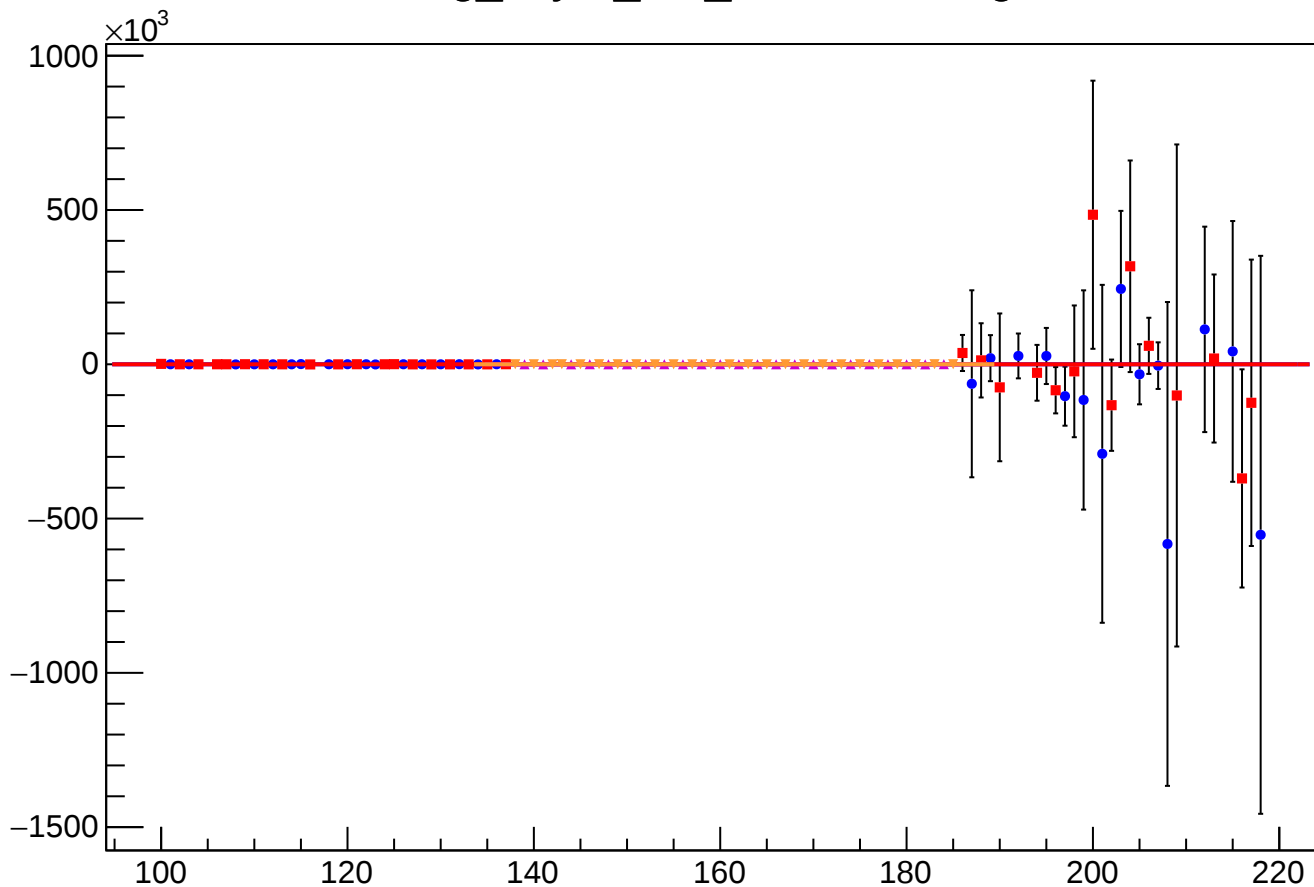
Left In: 107.703+/-0.019 χ^2/NDF : 1492338.5/22

+ sign 104.079+/-0.015 χ^2/NDF : 20984610.8/55

All: 104.307+/-0.011 χ^2/NDF : 40738321.6/11

- sign 104.535+/-0.015 χ^2/NDF : 19753255.8/57

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: -53.397 ± 47.775 χ^2/NDF : 21.8/32

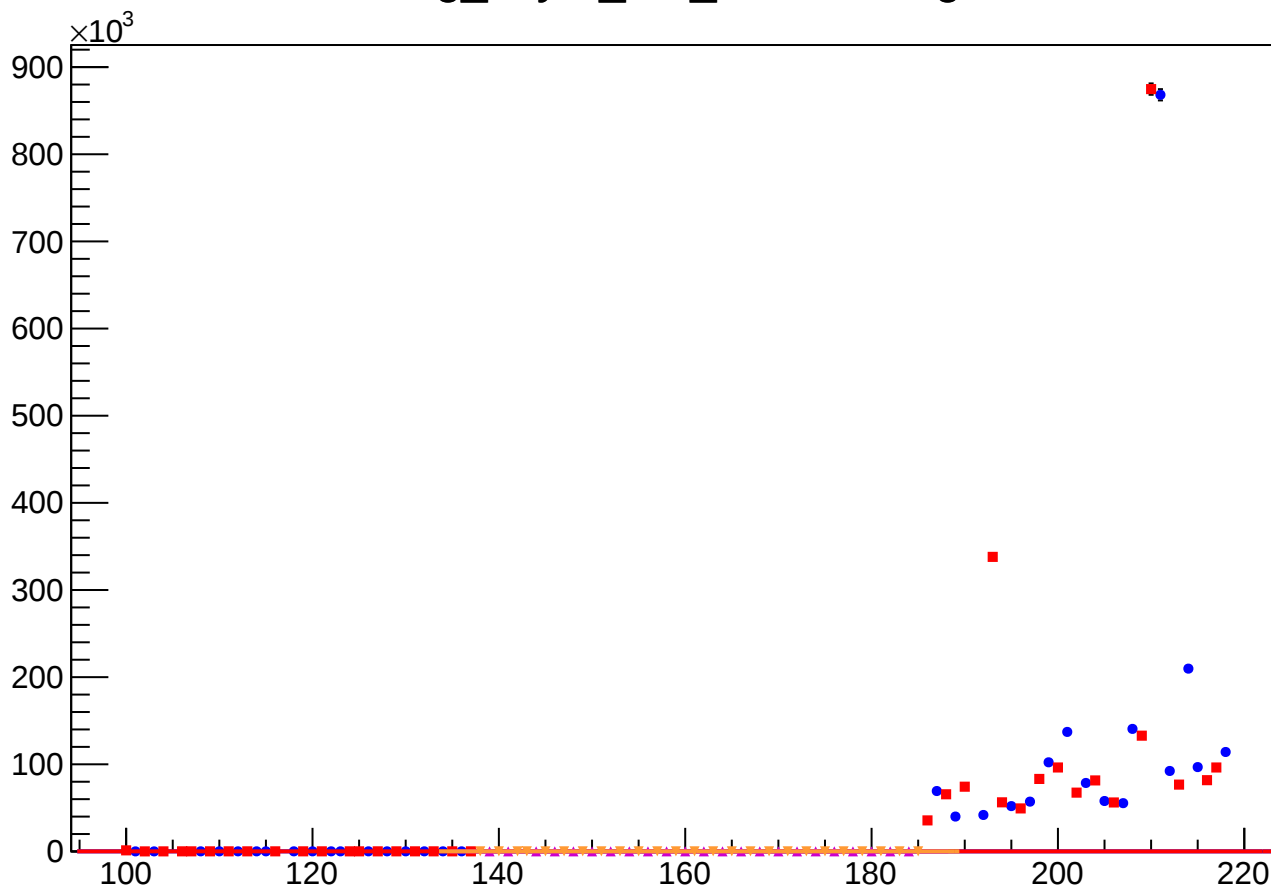
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

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

All: 4.344 ± 18.939 χ^2/NDF : 77.1/111

- sign 27.072 ± 27.121 χ^2/NDF : 45.3/55

reg_asym_dsr_rms vs Slug



Right In: 117.884 $\pm$ 0.033 χ^2 /NDF: 7081065.8/32

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

Right Out: 124.845 $\pm$ 0.034 χ^2 /NDF: 6773979.3/34

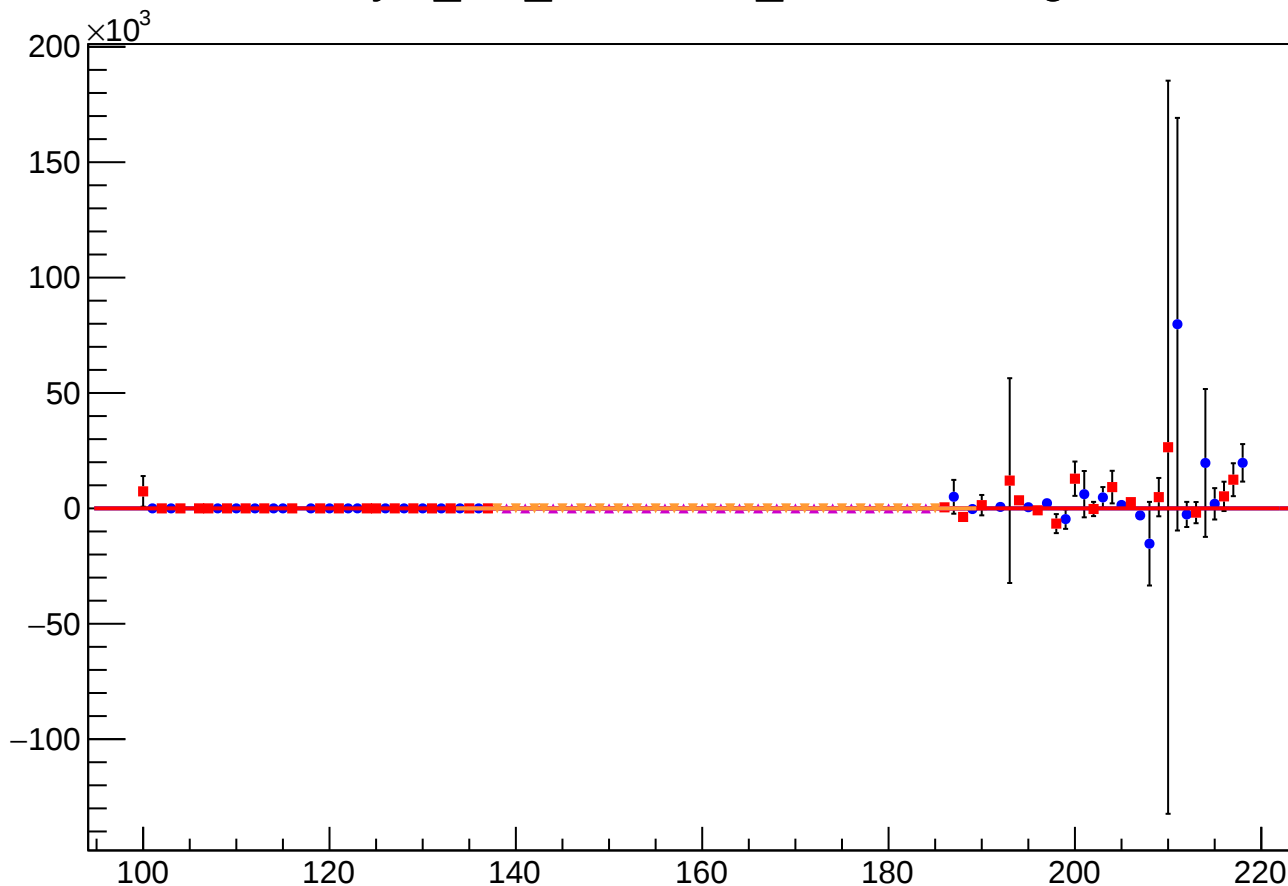
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.484 $\pm$ 0.019 χ^2 /NDF: 7329121.7/57

All: 132.529 $\pm$ 0.013 χ^2 /NDF: 14209707.9/1

- sign 133.628 $\pm$ 0.019 χ^2 /NDF: 6874182.9/57

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 : 36.4/34

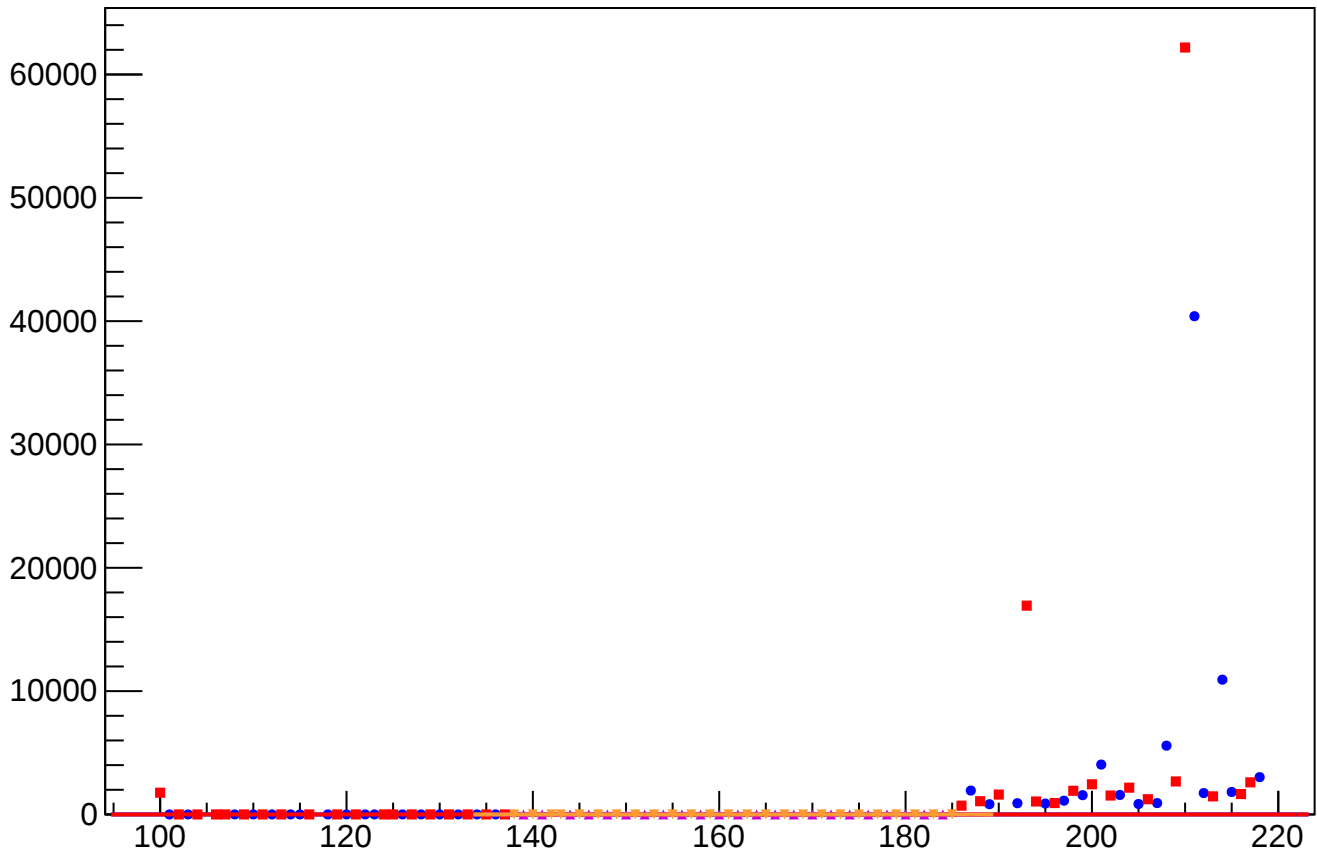
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

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

All: 0.046 ± 0.334 χ^2/NDF : 119.8/115

- sign 0.004 ± 0.479 χ^2/NDF : 57.9/57

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: 7191430.3/34

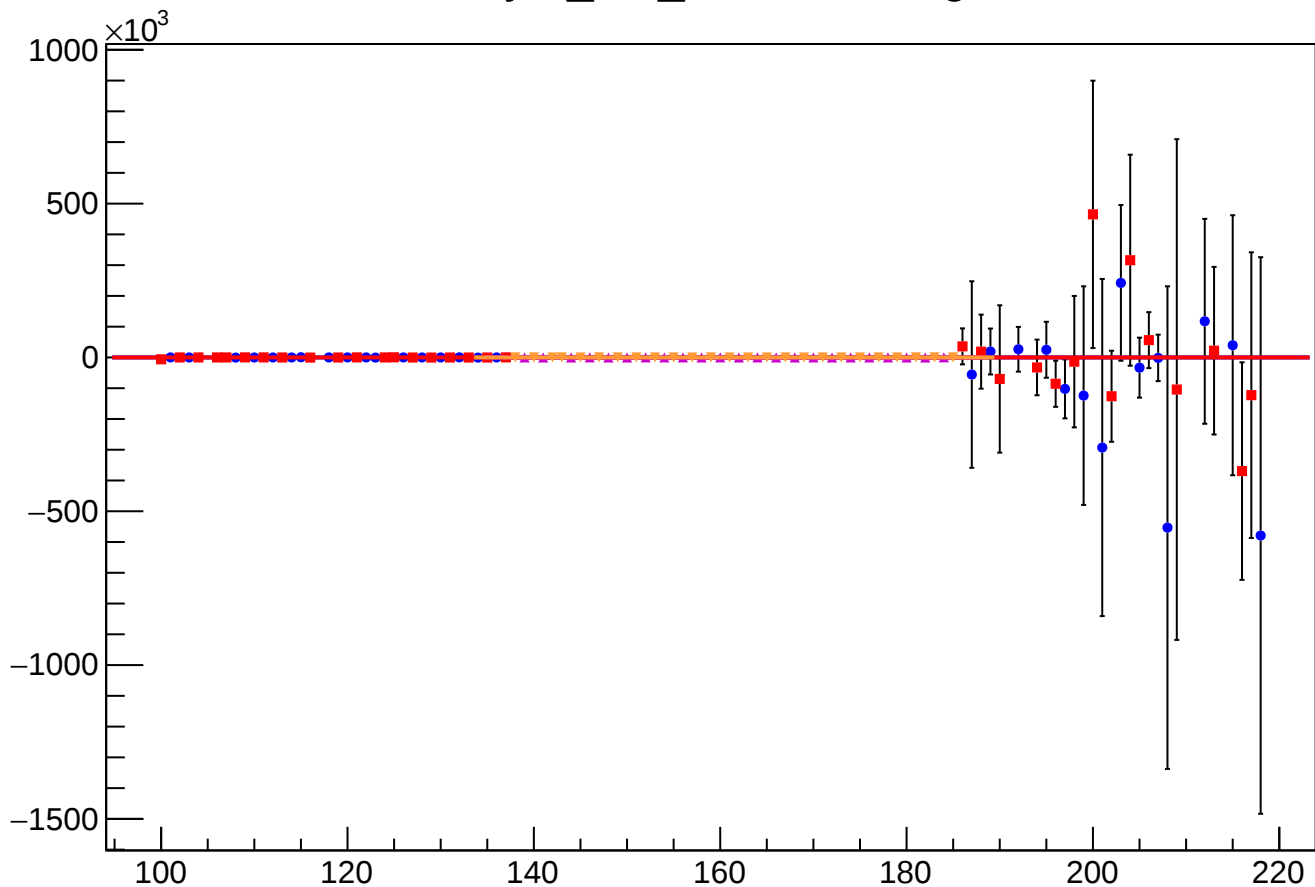
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

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

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 15511227.1/115

- sign 2.153 $\pm$ 0.000 χ^2 /NDF: 7732979.9/57

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: -54.299 ± 47.789 χ^2/NDF : 22.3/32

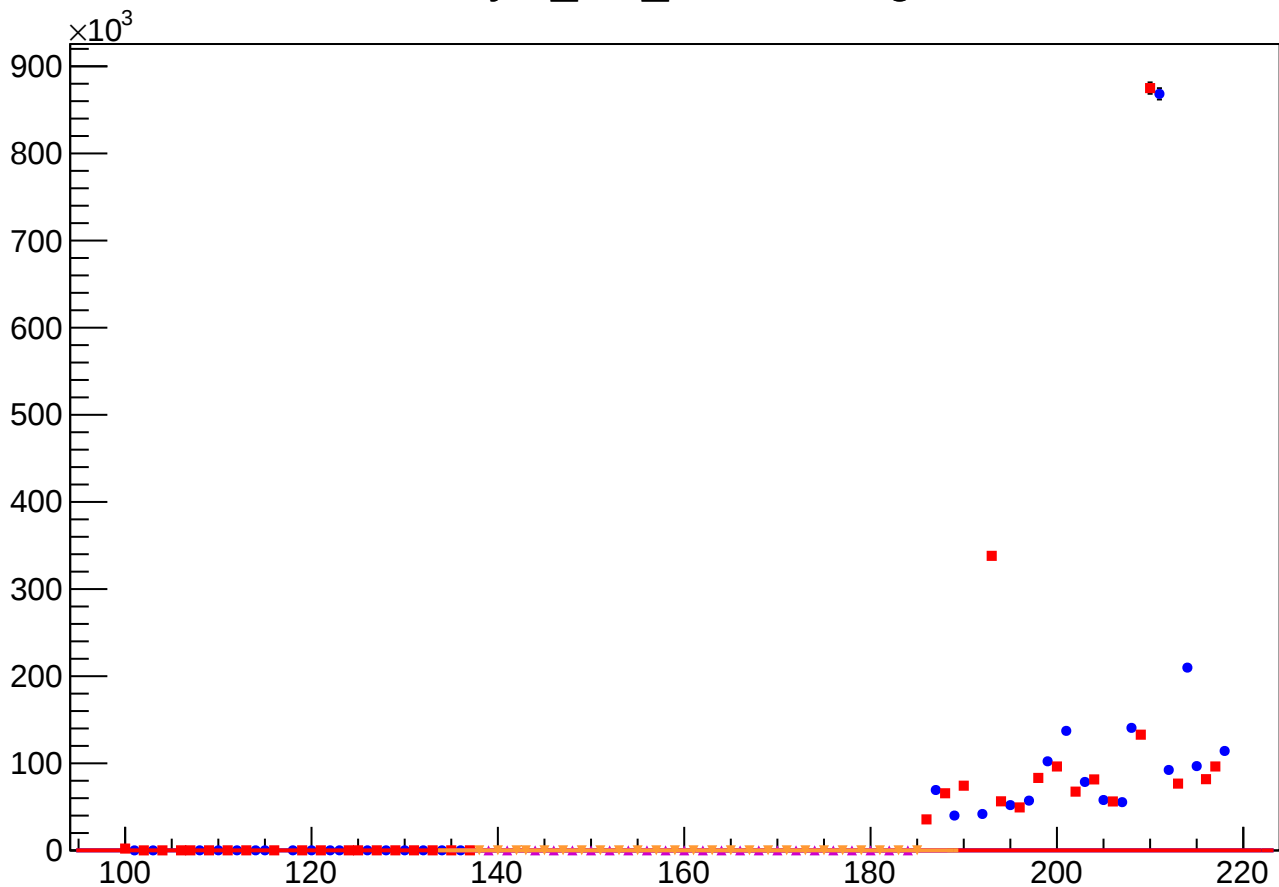
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

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

All: 4.259 ± 18.944 χ^2/NDF : 77.5/111

- sign 26.712 ± 27.129 χ^2/NDF : 45.9/55

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: 124.834 $\pm$ 0.034 χ^2 /NDF: 6784651.9/34

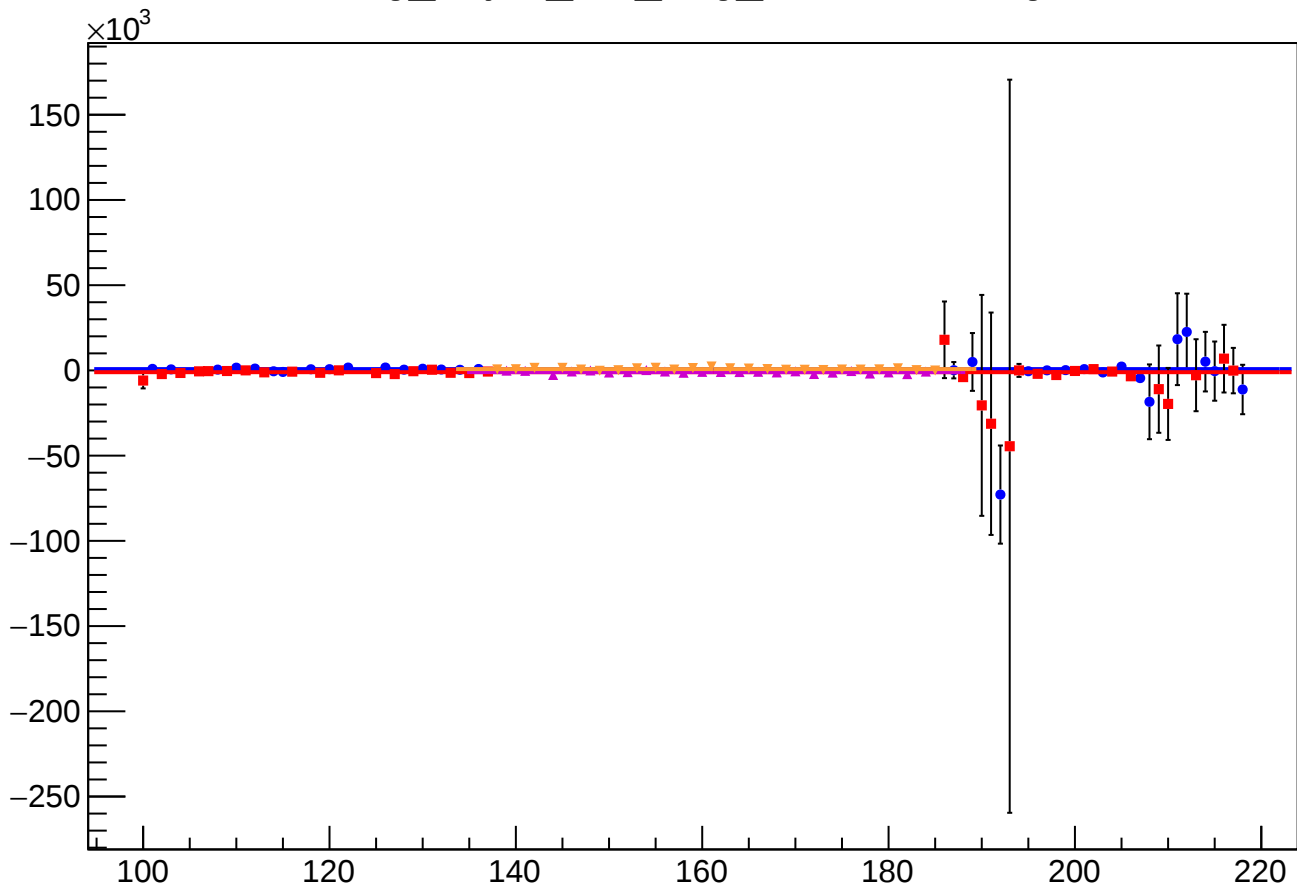
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

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

All: 132.559 $\pm$ 0.013 χ^2 /NDF: 14221204.3/117

- sign 133.651 $\pm$ 0.019 χ^2 /NDF: 6885563.3/57

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: -1038.604 $\pm$ 207.229 χ^2 /NDF: 19.8/34

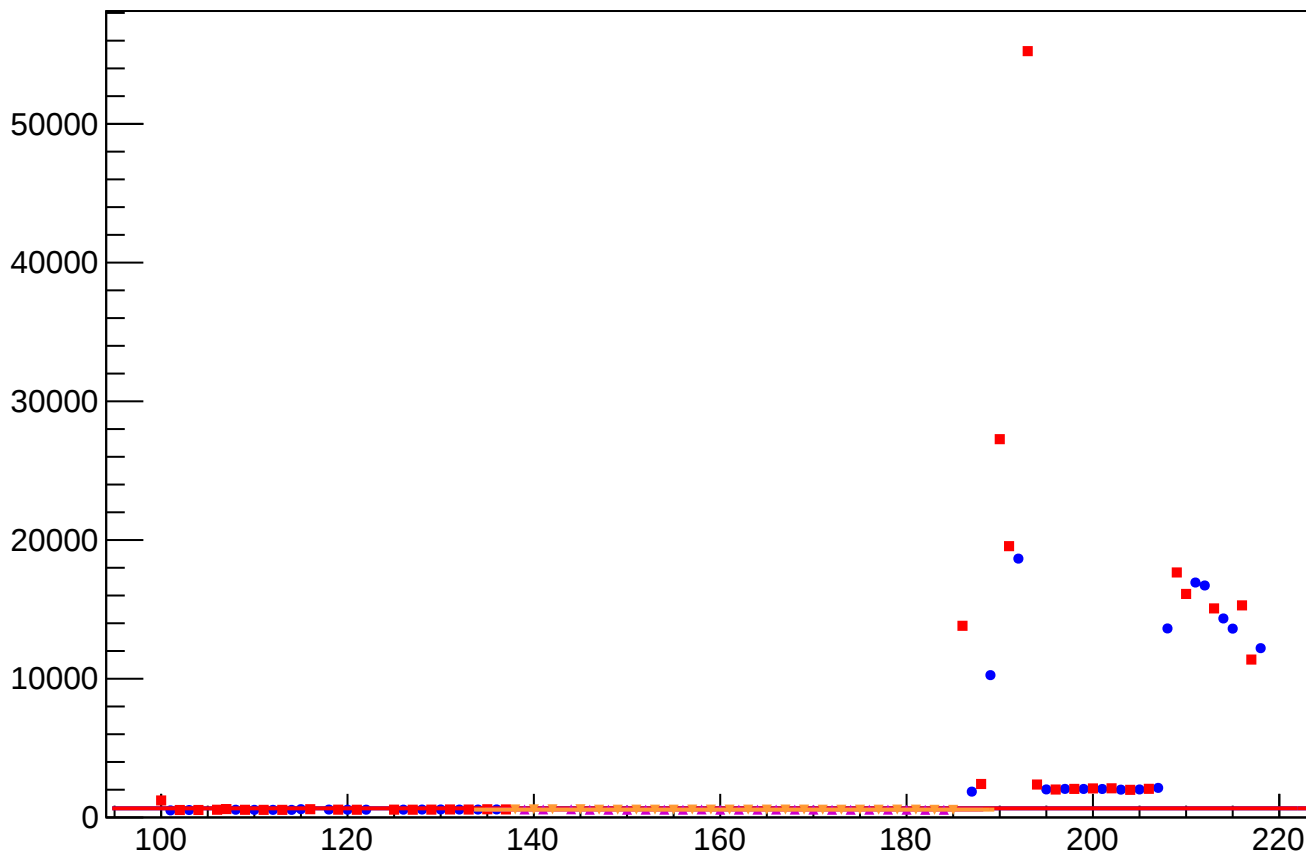
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF: 27.4/22

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

All: -106.249 $\pm$ 79.916 χ^2 /NDF: 211.3/113

- sign -993.517 $\pm$ 113.075 χ^2 /NDF: 47.3/57

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: 657.225+/-0.147 χ^2/NDF : 12461363.9/34

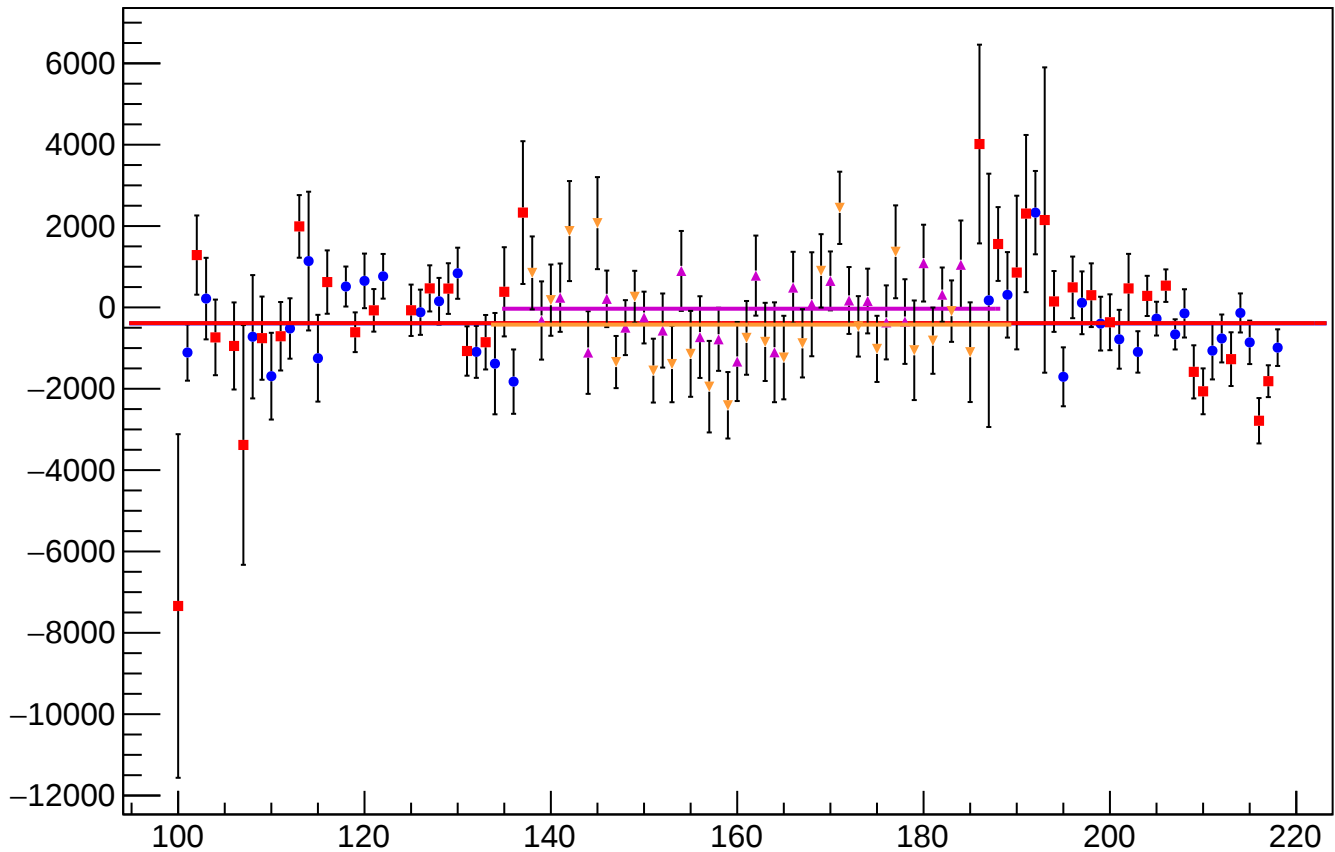
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

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

All: 592.052+/-0.057 χ^2/NDF : 26366198.9/11

- sign 592.025+/-0.080 χ^2/NDF : 12752487.9/57

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: -386.284 ± 119.838 χ^2/NDF : 95.5/34

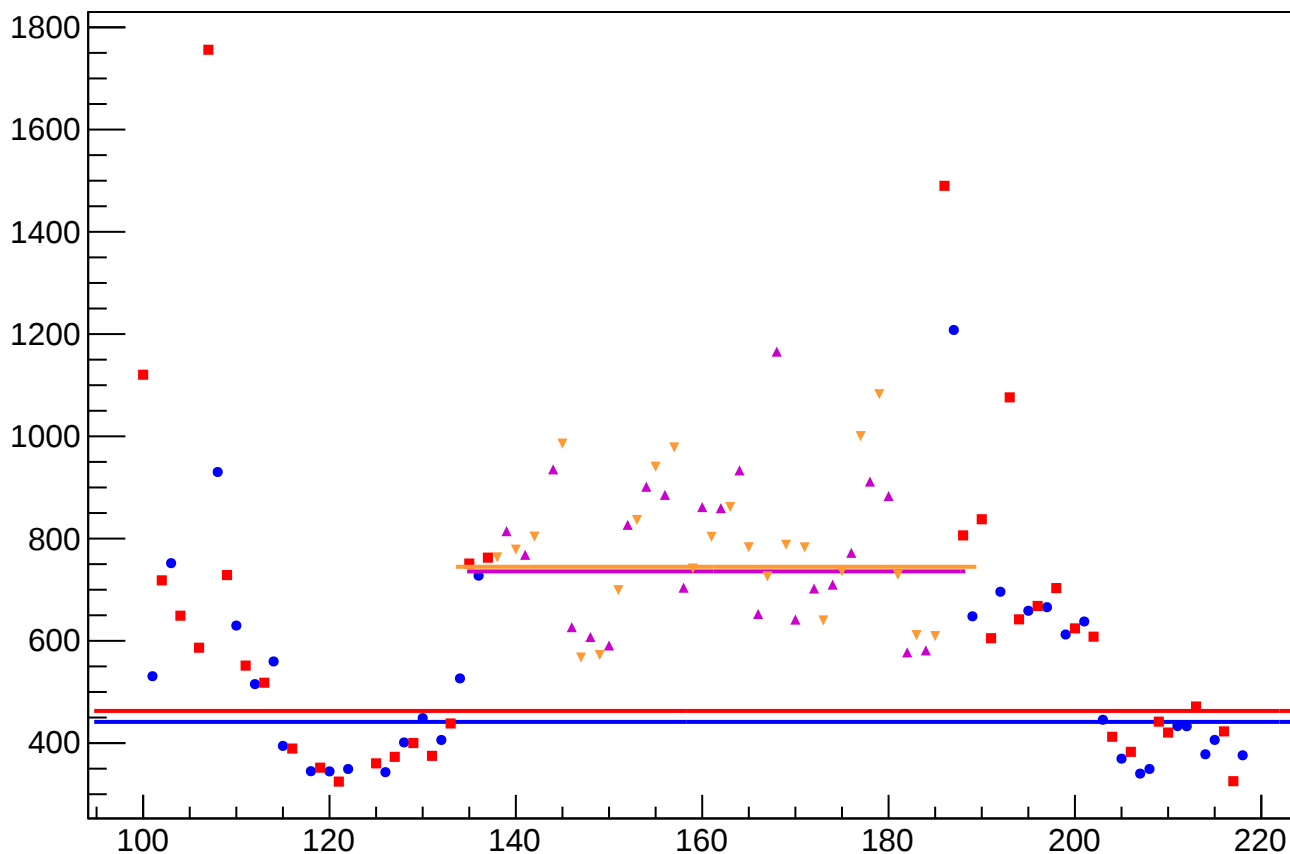
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

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

All: -341.531 ± 69.153 χ^2/NDF : 197.5/113

- sign -277.126 ± 99.655 χ^2/NDF : 110.3/57

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: 462.943+/-0.085 χ^2/NDF : 3243920.9/34

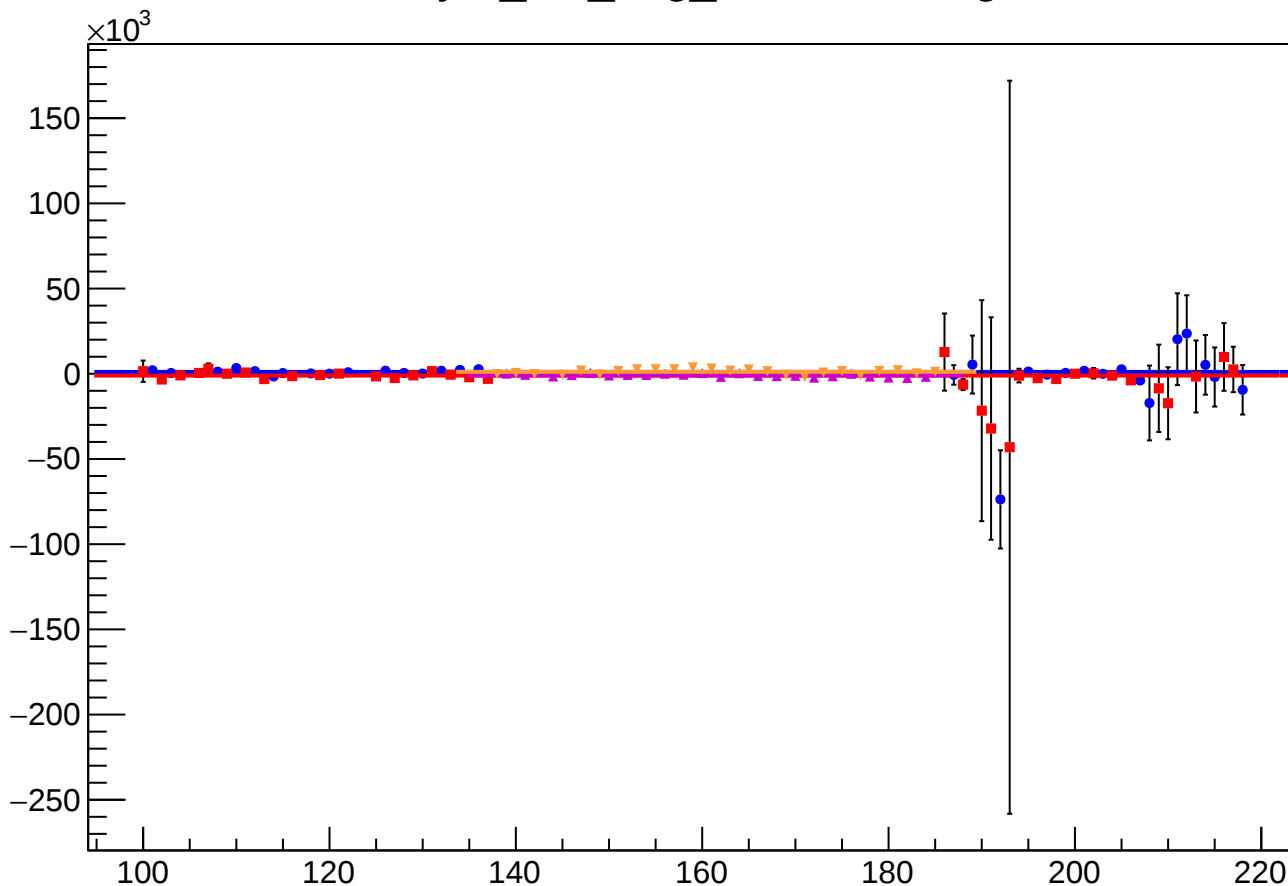
Left In: 735.850+/-0.127 χ^2/NDF : 1105405.5/22

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

All: 536.830+/-0.049 χ^2/NDF : 14996387.0/11

- sign 547.126+/-0.070 χ^2/NDF : 7548814.2/57

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: -1059.243 $\pm$ 280.259 χ^2 /NDF: 30.8/34

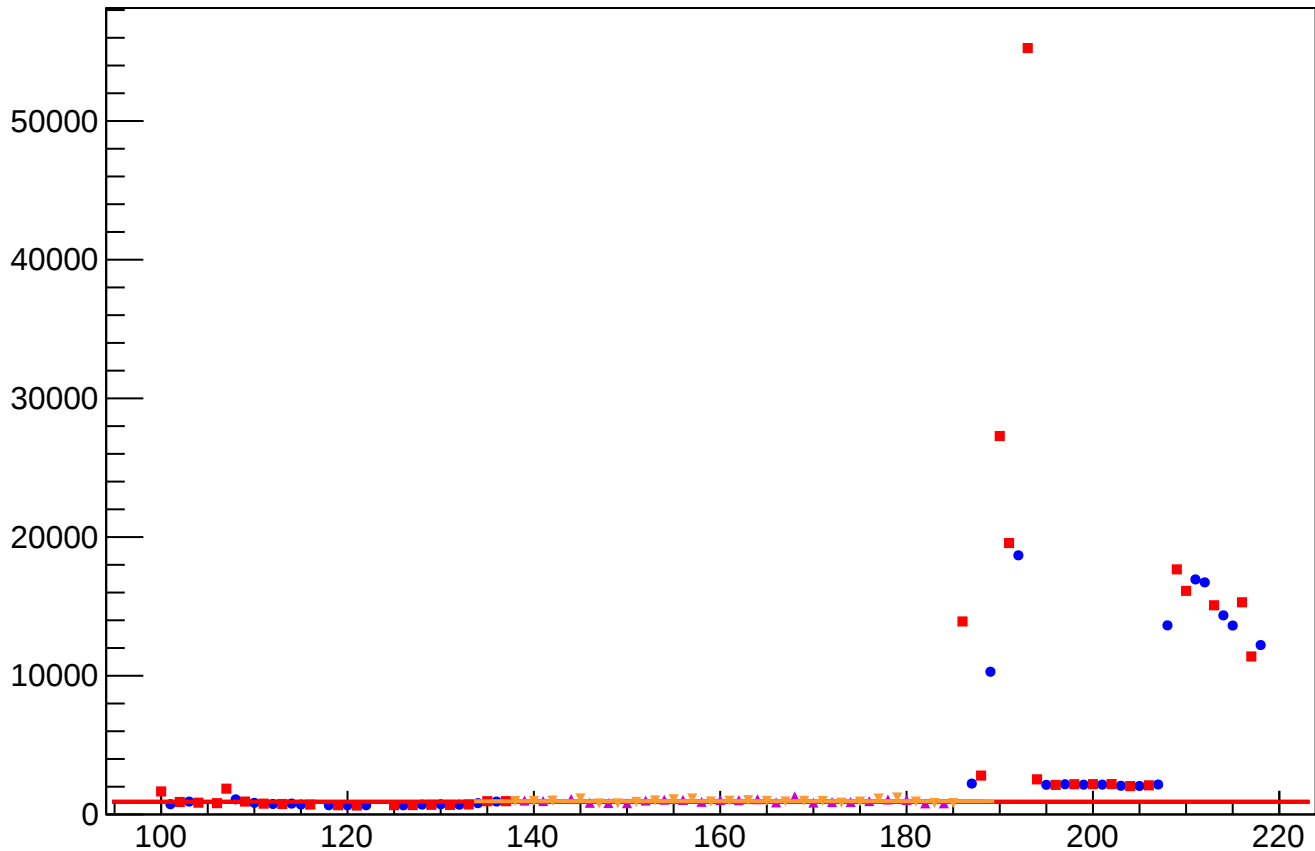
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

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

All: 63.540 $\pm$ 125.271 χ^2 /NDF: 182.8/113

- sign -988.593 $\pm$ 177.016 χ^2 /NDF: 45.7/57

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: 912.461+/-0.198 χ^2/NDF : 11427418.2/34

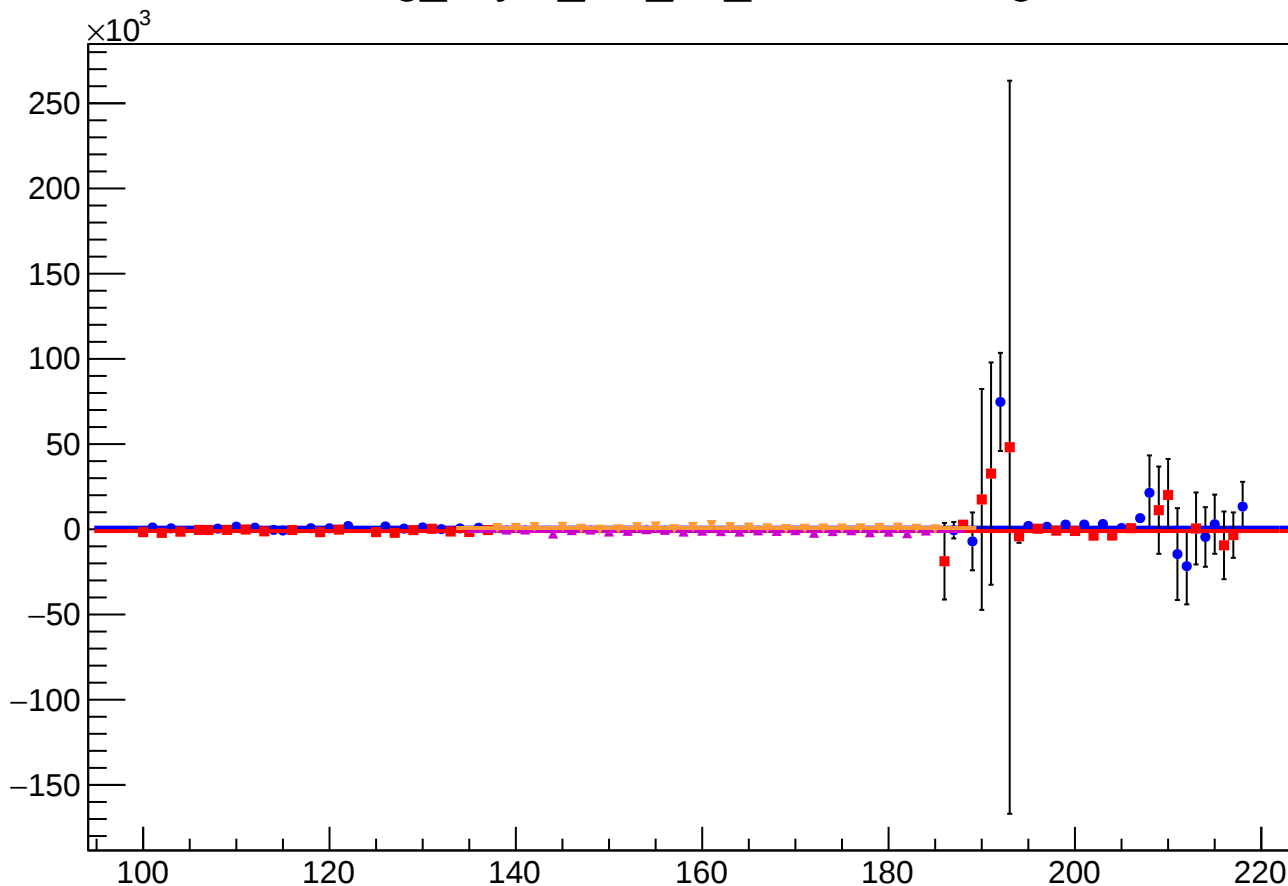
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

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

All: 935.700+/-0.089 χ^2/NDF : 24277413.1/11

- sign 932.964+/-0.125 χ^2/NDF : 11946593.9/57

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: -1016.572 $\pm$ 202.618 χ^2 /NDF: 20.3/34

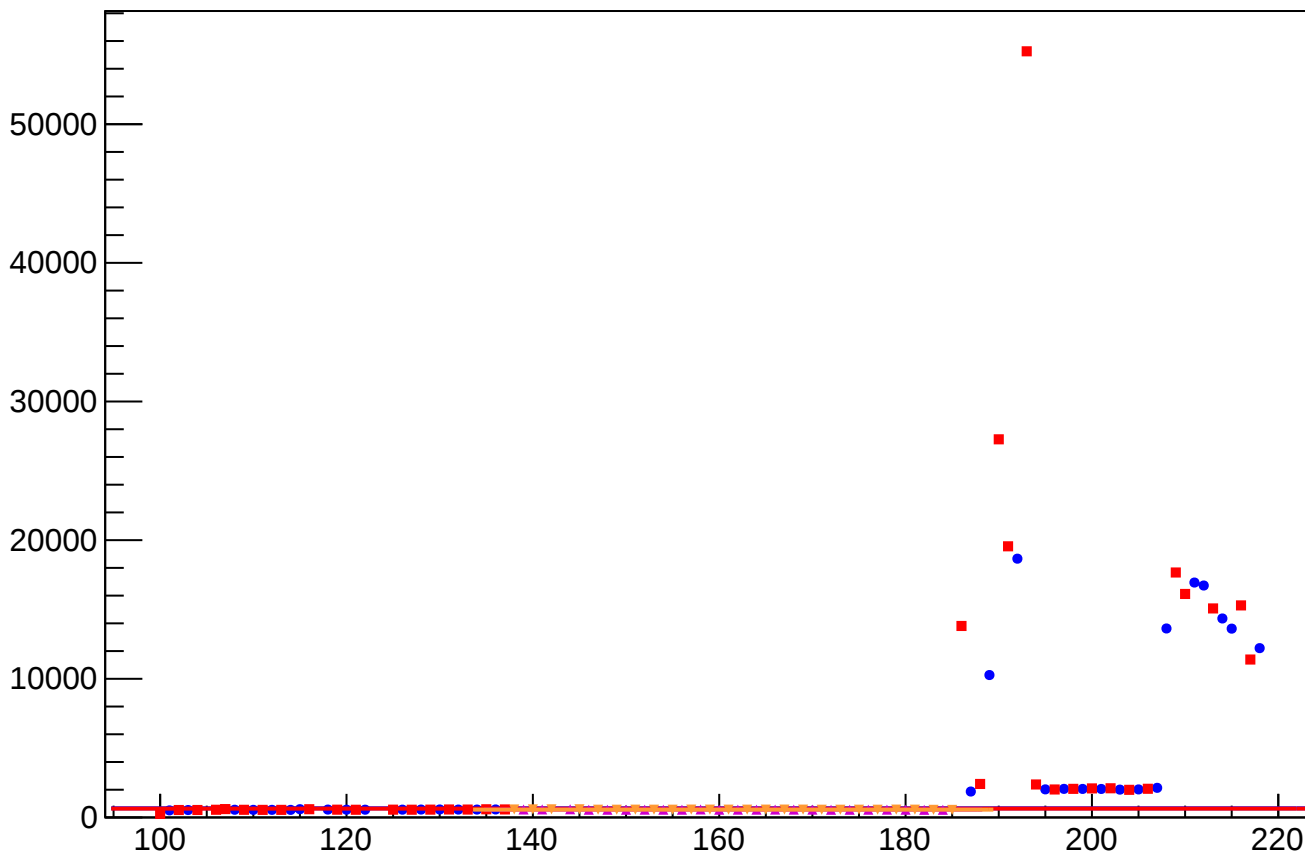
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

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

All: -85.087 $\pm$ 79.592 χ^2 /NDF: 220.2/113

- sign -976.333 $\pm$ 112.246 χ^2 /NDF: 47.2/57

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: 637.545 $\pm$ 0.143 χ^2 /NDF: 12778330.9/34

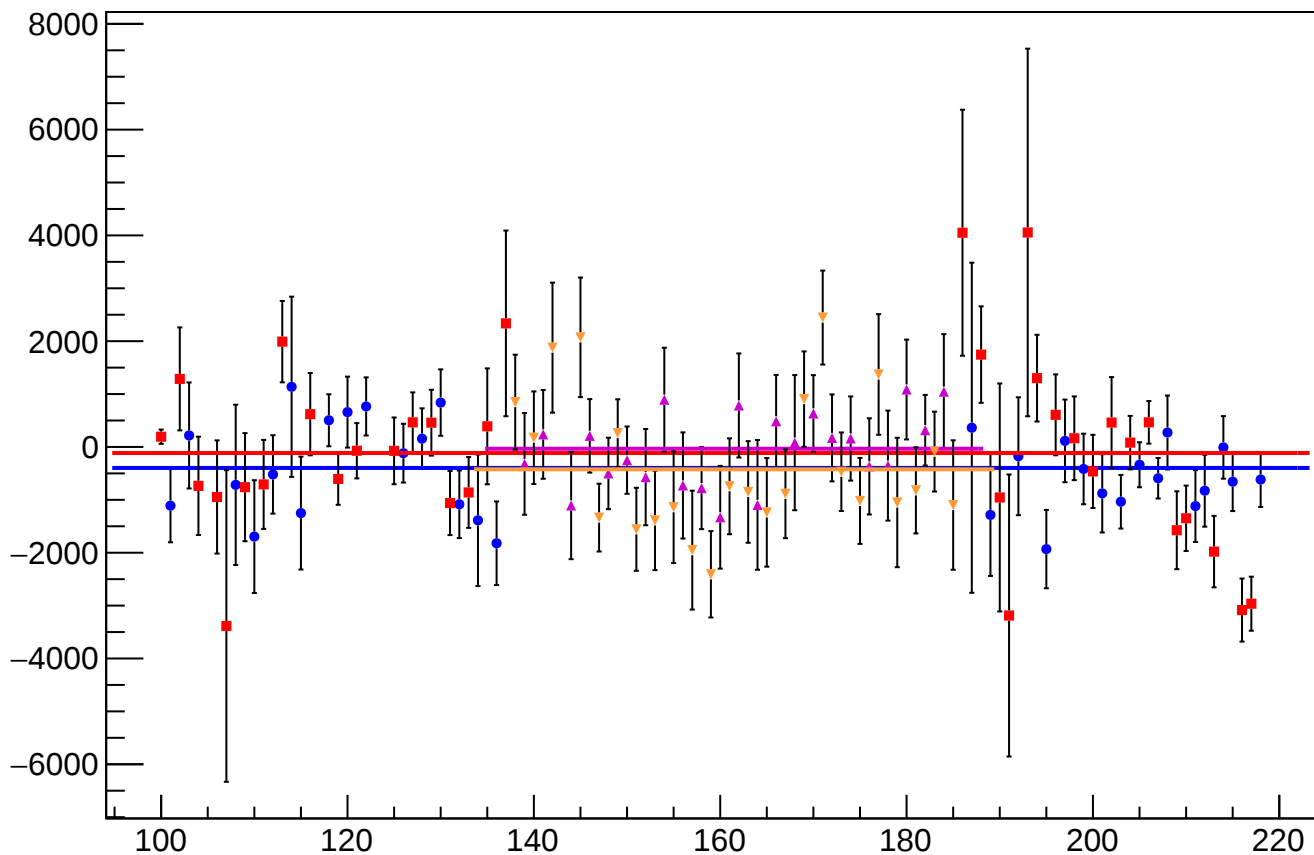
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

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

All: 589.024 $\pm$ 0.056 χ^2 /NDF: 26600102.4/11

- sign 586.524 $\pm$ 0.079 χ^2 /NDF: 12970498.6/57

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: -114.644 ± 91.509 χ^2/NDF : 116.2/34

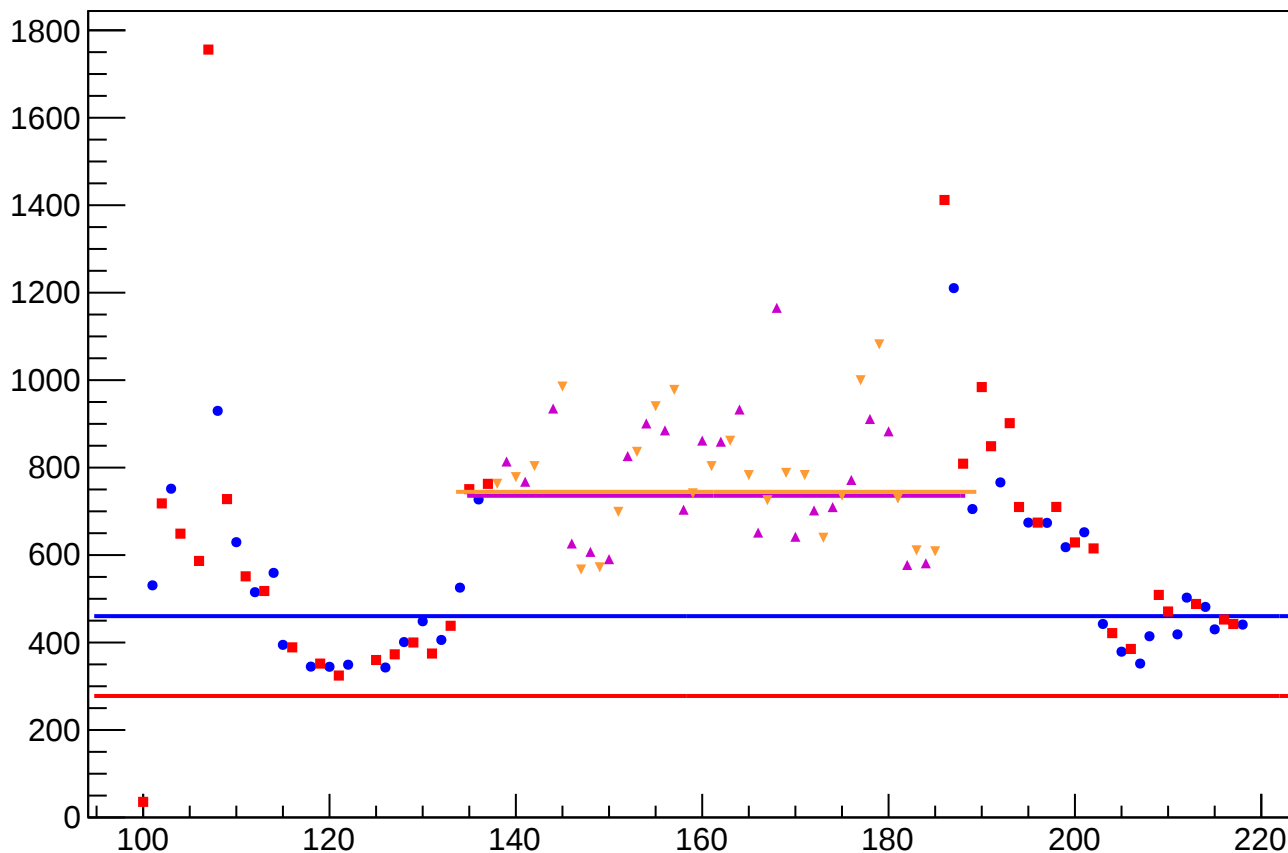
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

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

All: -222.407 ± 62.815 χ^2/NDF : 213.4/113

- sign -97.848 ± 81.512 χ^2/NDF : 128.5/57

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: 277.783 $\pm$ 0.065 χ^2 /NDF: 14899457.9/34

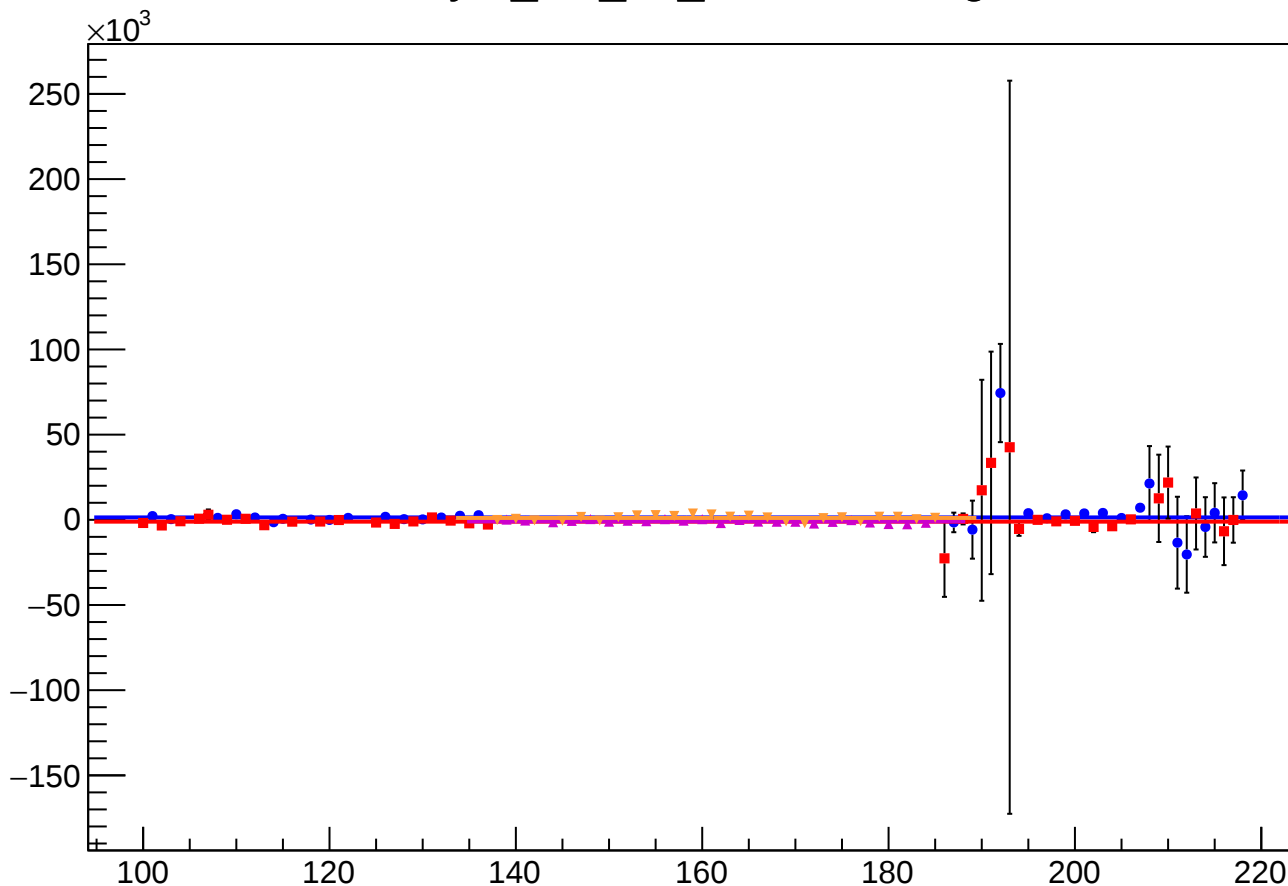
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

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

All: 442.491 $\pm$ 0.044 χ^2 /NDF: 36737202.7/11

- sign 372.332 $\pm$ 0.058 χ^2 /NDF: 26341795.9/57

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: -1070.173 $\pm$ 269.375 χ^2 /NDF: 29.6/34

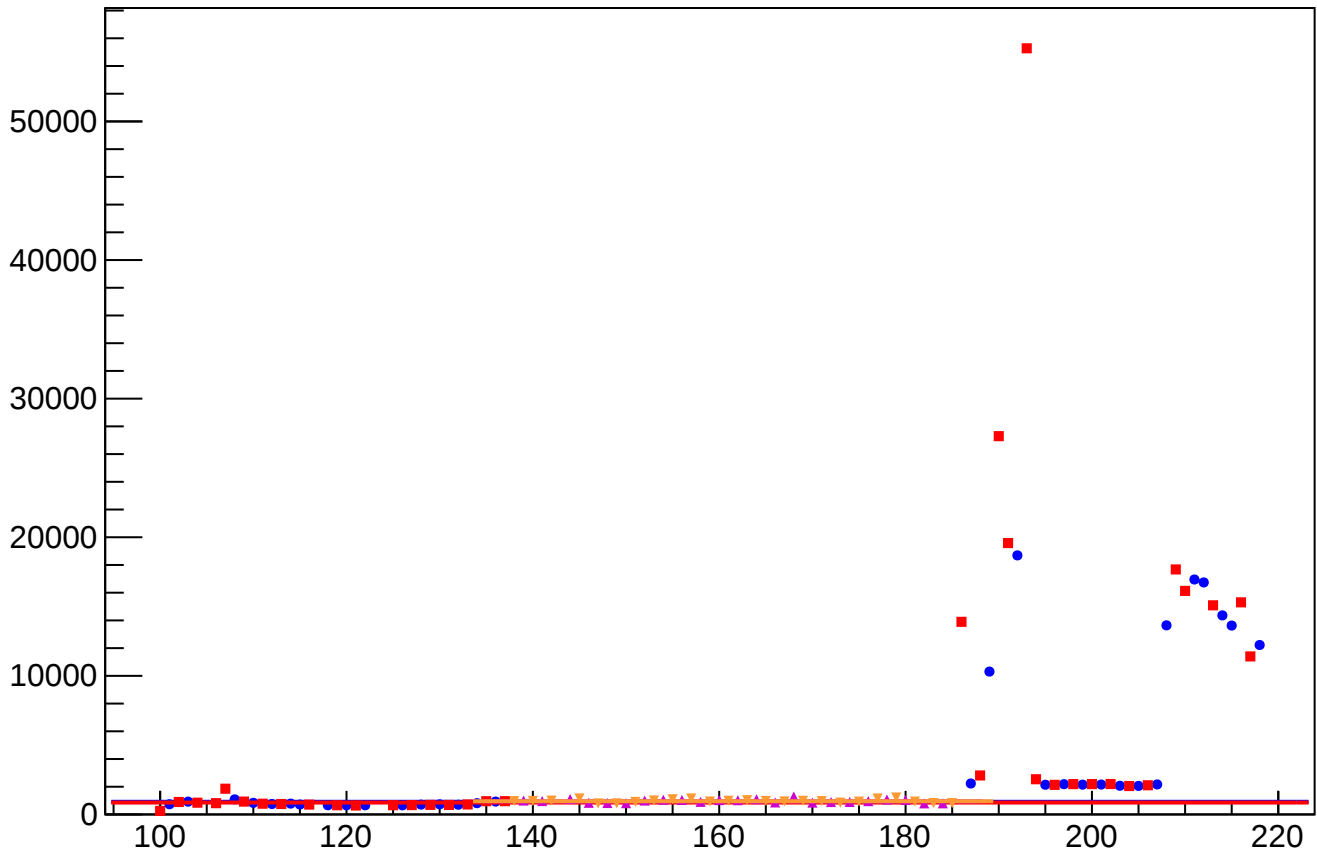
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

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

All: 101.066 $\pm$ 124.202 χ^2 /NDF: 195.2/113

- sign -986.400 $\pm$ 174.118 χ^2 /NDF: 44.9/57

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: 859.731 ± 0.190 χ^2/NDF : 12257889.0/34

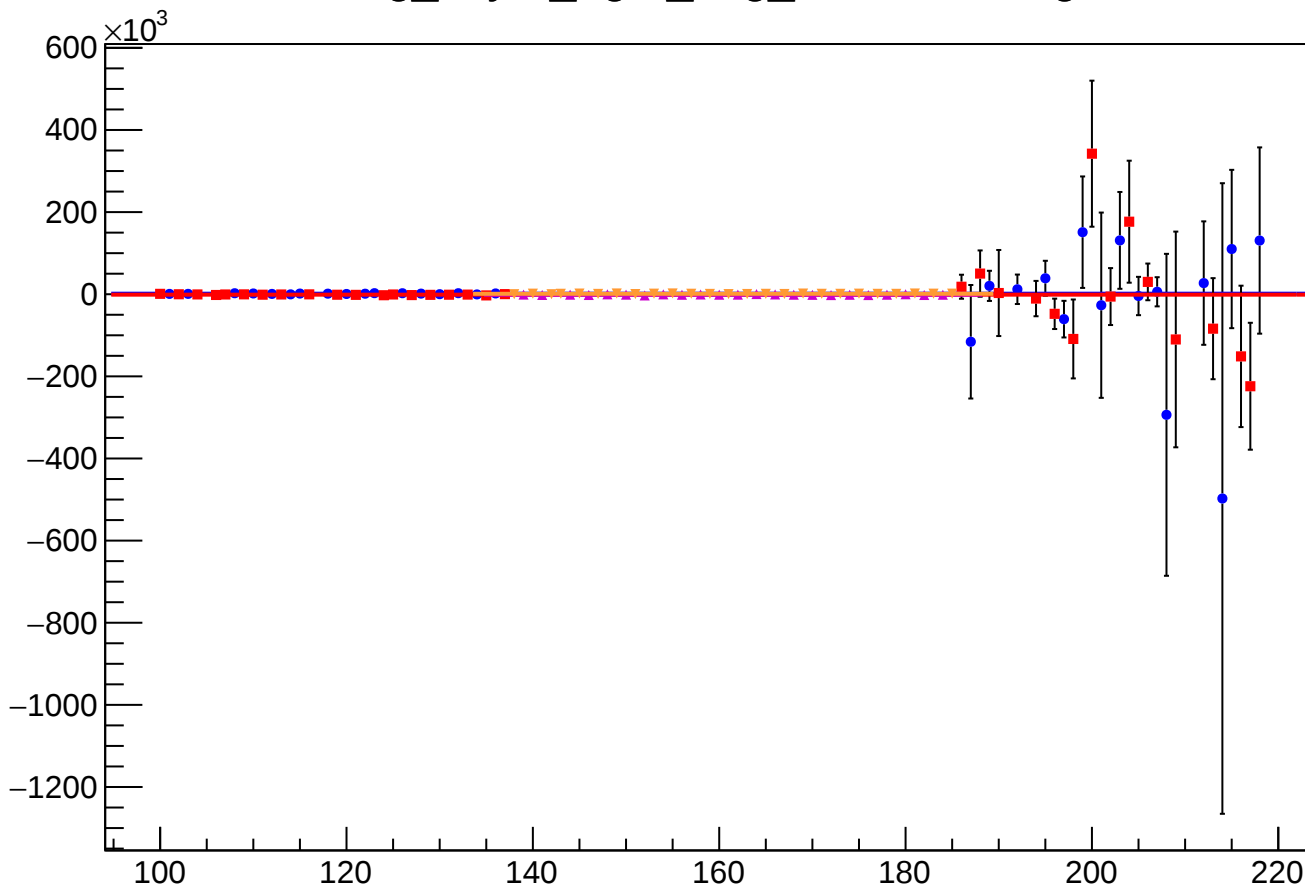
Left In: 946.041 ± 0.161 χ^2/NDF : 501442.7/22

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

All: 923.652 ± 0.088 χ^2/NDF : 25255788.0/11

- sign 909.980 ± 0.123 χ^2/NDF : 12878870.4/57

reg_asym_right_avg_mean vs Slug



Right In: 1325.376 $\pm$ 218.578 χ^2 /NDF: 20.7/31

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

Right Out: -1040.494 $\pm$ 212.061 χ^2 /NDF: 26.8/32

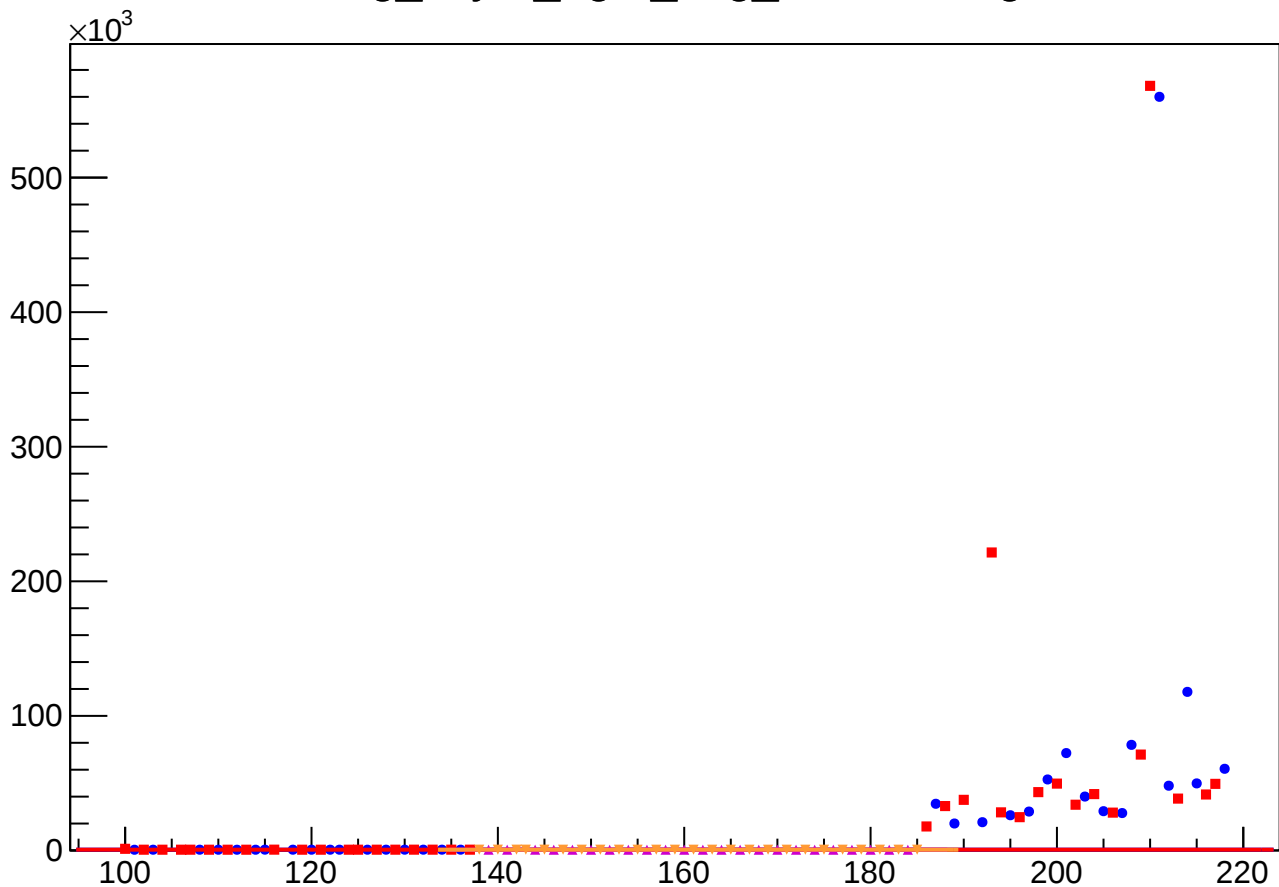
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1139.176 $\pm$ 111.535 χ^2 /NDF: 36.8/56

All: 31.805 $\pm$ 79.301 χ^2 /NDF: 293.1/112

- sign -1100.281 $\pm$ 112.773 χ^2 /NDF: 56.9/55

reg_asym_right_avg_rms vs Slug



Right In: 568.790 $\pm$ 0.155 χ^2 /NDF: 6467415.7/32

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

Right Out: 570.027 $\pm$ 0.150 χ^2 /NDF: 6257377.4/34

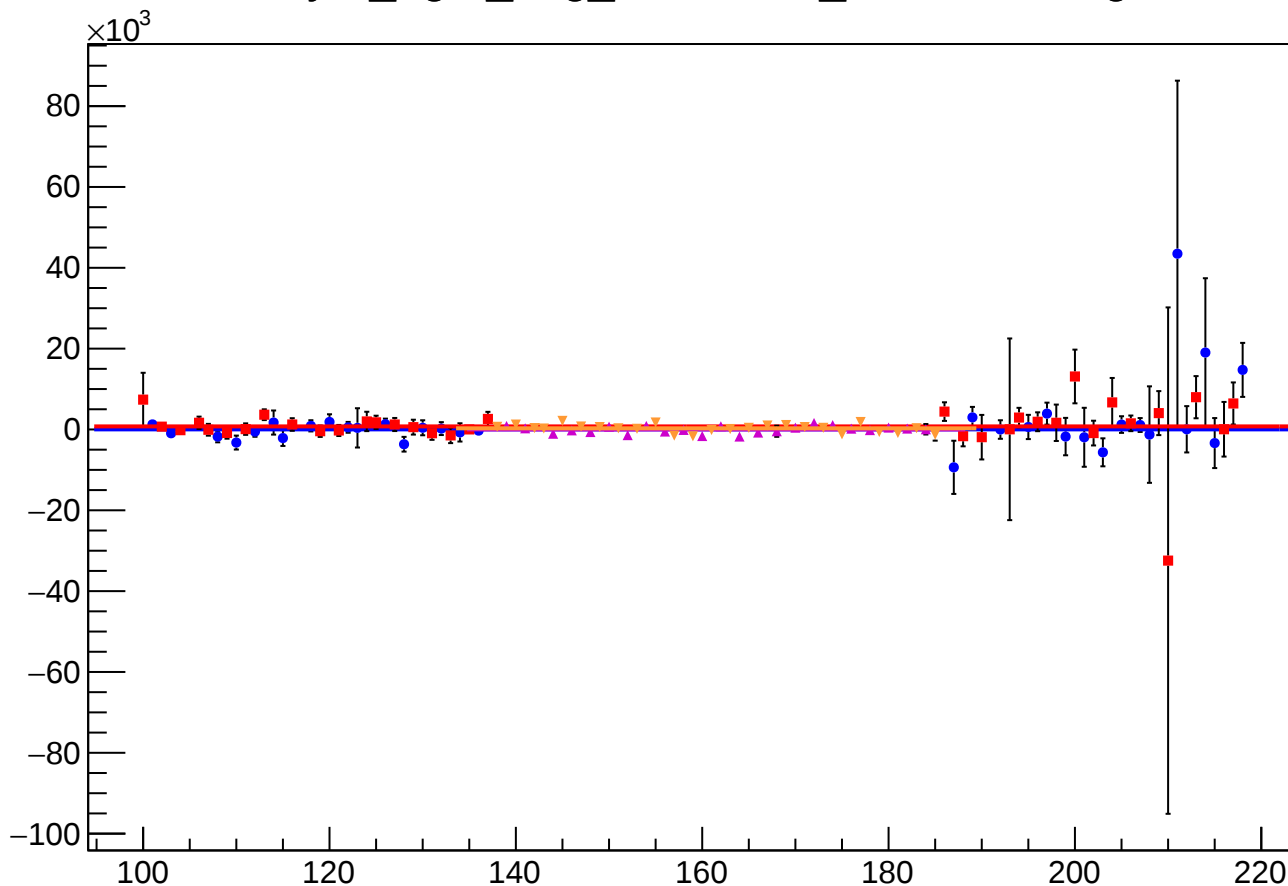
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 560.465 $\pm$ 0.079 χ^2 /NDF: 6486091.3/57

All: 560.562 $\pm$ 0.056 χ^2 /NDF: 12760120.4/11

- sign 560.662 $\pm$ 0.080 χ^2 /NDF: 6274026.0/57

asym_right_avg_correction_mean vs Slug



Right In: 21.901 ± 305.695 χ^2/NDF : 33.5/32

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

Right Out: 757.987 ± 310.673 χ^2/NDF : 28.4/34

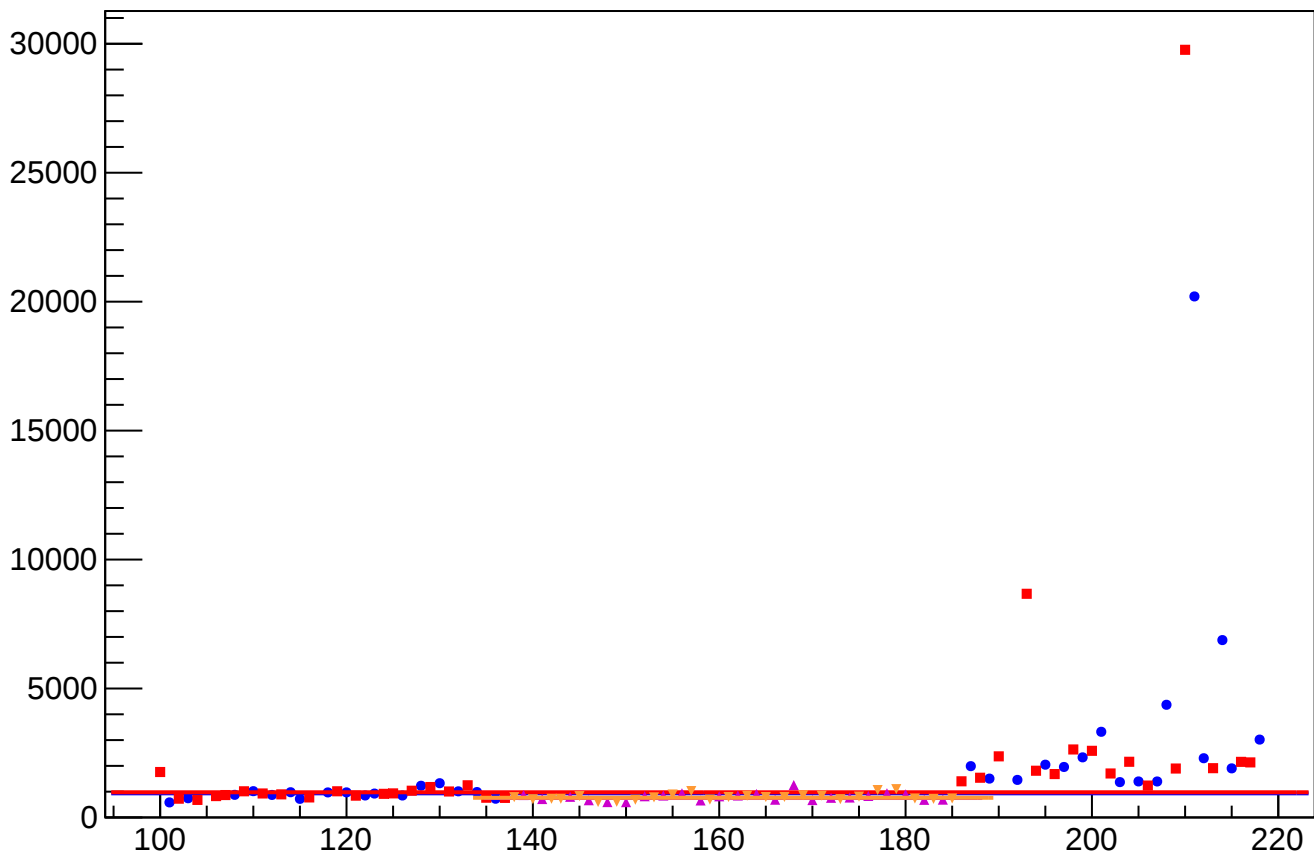
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 214.711 ± 155.379 χ^2/NDF : 60.8/57

All: 208.433 ± 110.758 χ^2/NDF : 113.7/115

- sign 201.947 ± 157.922 χ^2/NDF : 52.9/57

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: 976.376 $\pm$ 0.220 χ^2 /NDF: 2914904.2/34

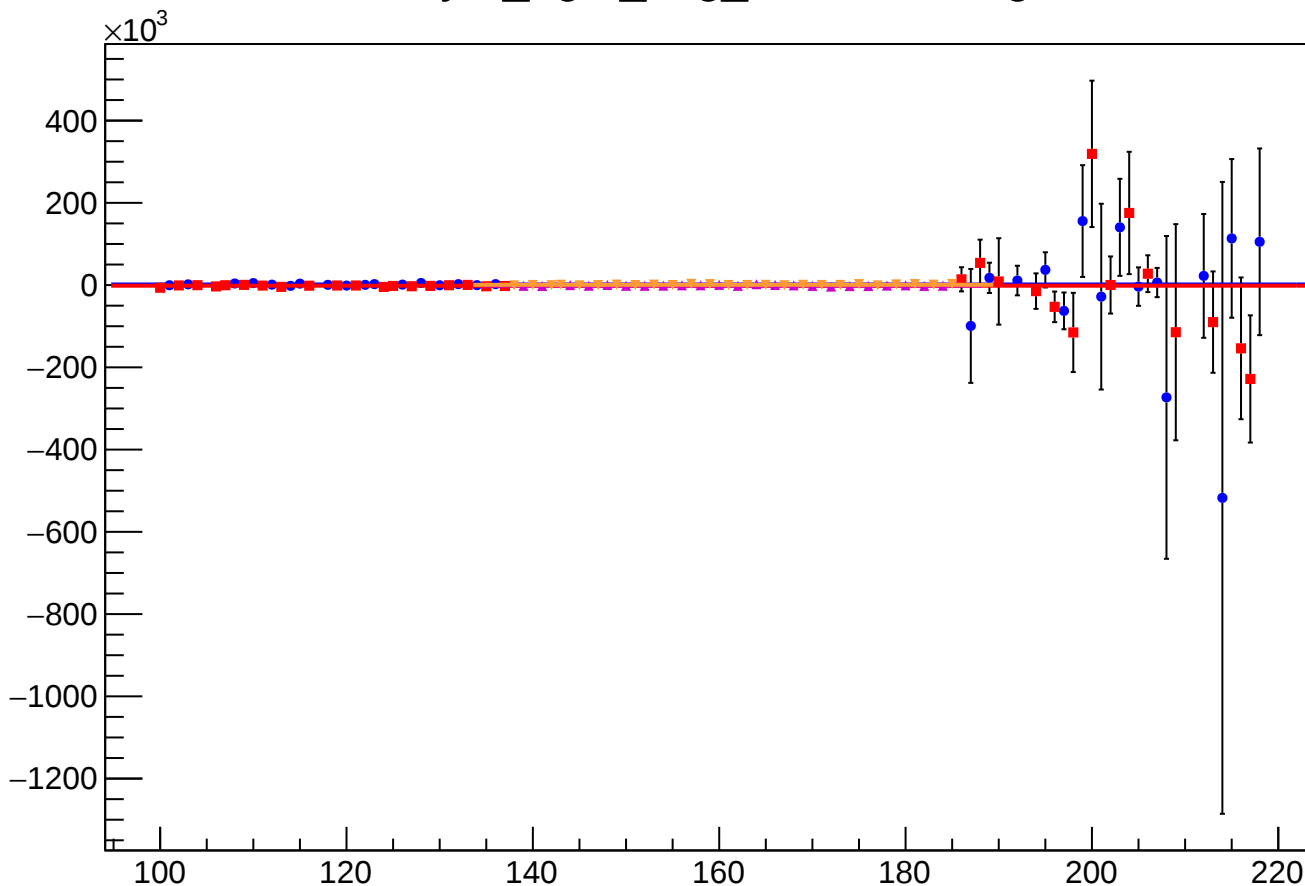
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

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

All: 809.547 $\pm$ 0.078 χ^2 /NDF: 9302747.0/115

- sign 811.534 $\pm$ 0.112 χ^2 /NDF: 4605996.0/57

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: -1489.198 $\pm$ 400.594 χ^2 /NDF: 25.4/32

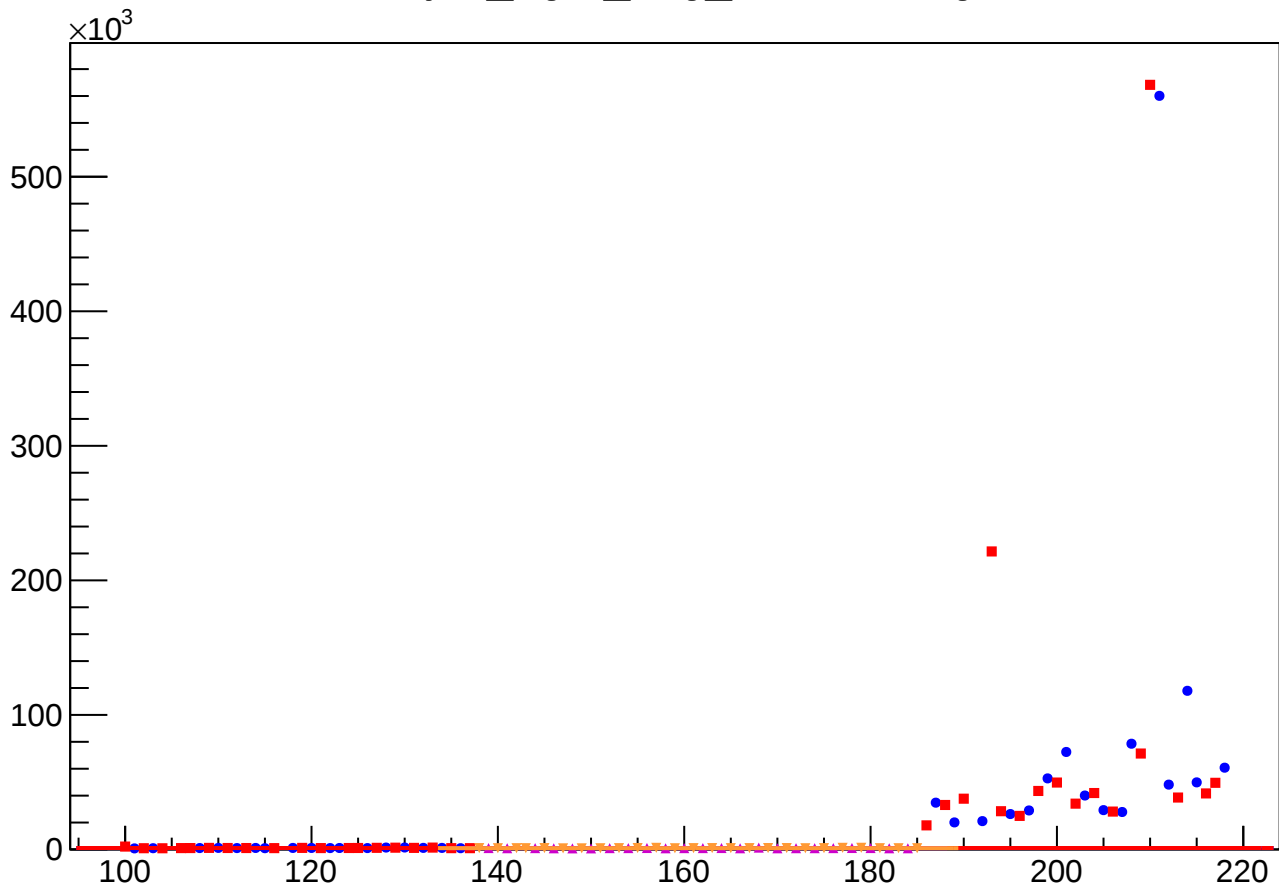
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

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

All: -131.822 $\pm$ 140.089 χ^2 /NDF: 158.7/112

- sign -1215.020 $\pm$ 199.504 χ^2 /NDF: 51.4/55

asym_right_avg_rms vs Slug



Right In: 1039.531 $\pm$ 0.285 χ^2 /NDF: 6592872.7/32

Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF: 362937.6/24

Right Out: 1074.320 $\pm$ 0.283 χ^2 /NDF: 6241435.1/34

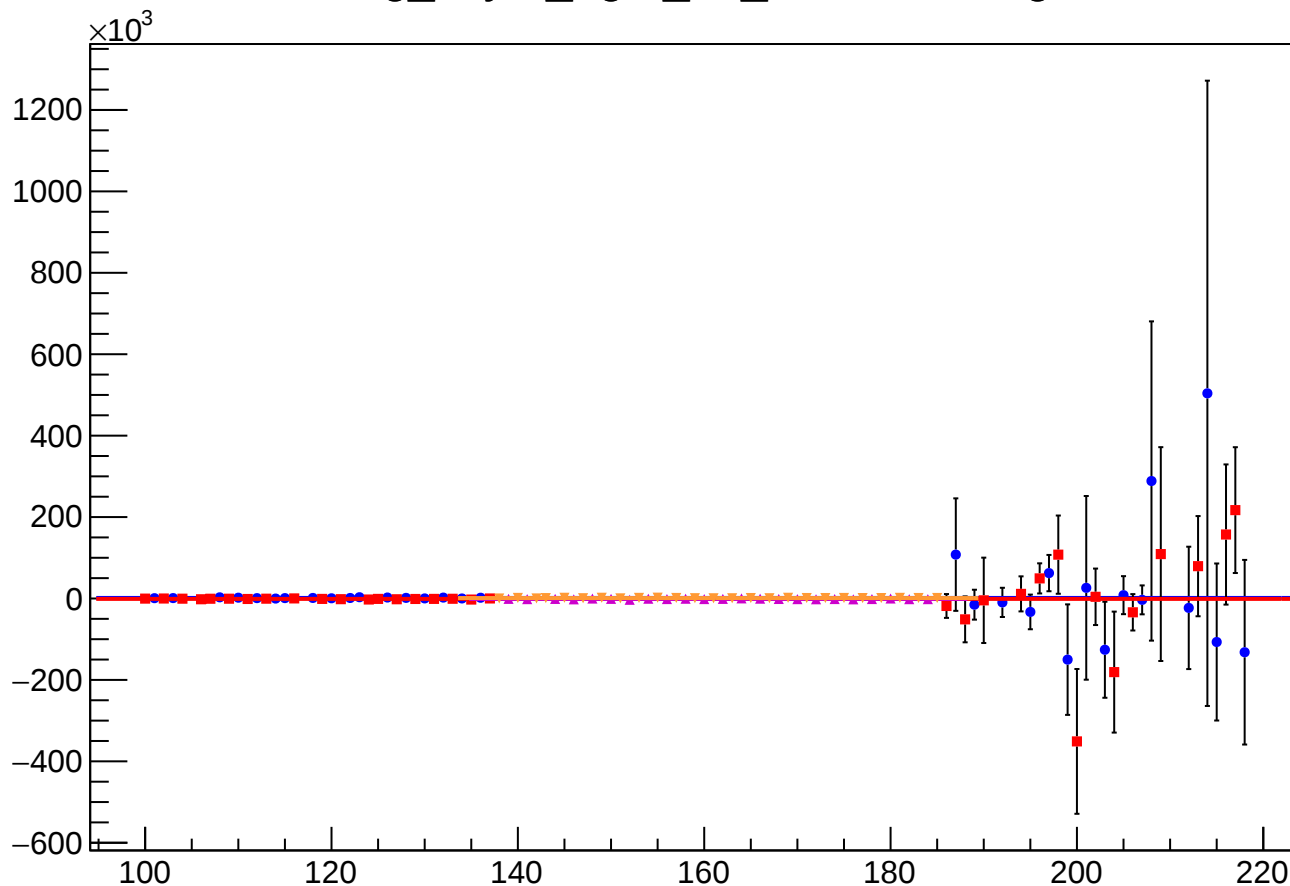
Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

+ sign 980.718 $\pm$ 0.139 χ^2 /NDF: 7011907.5/57

All: 982.497 $\pm$ 0.099 χ^2 /NDF: 13831298.4/1

- sign 984.326 $\pm$ 0.141 χ^2 /NDF: 6819059.3/57

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: -965.201 $\pm$ 208.596 χ^2 /NDF: 25.9/32

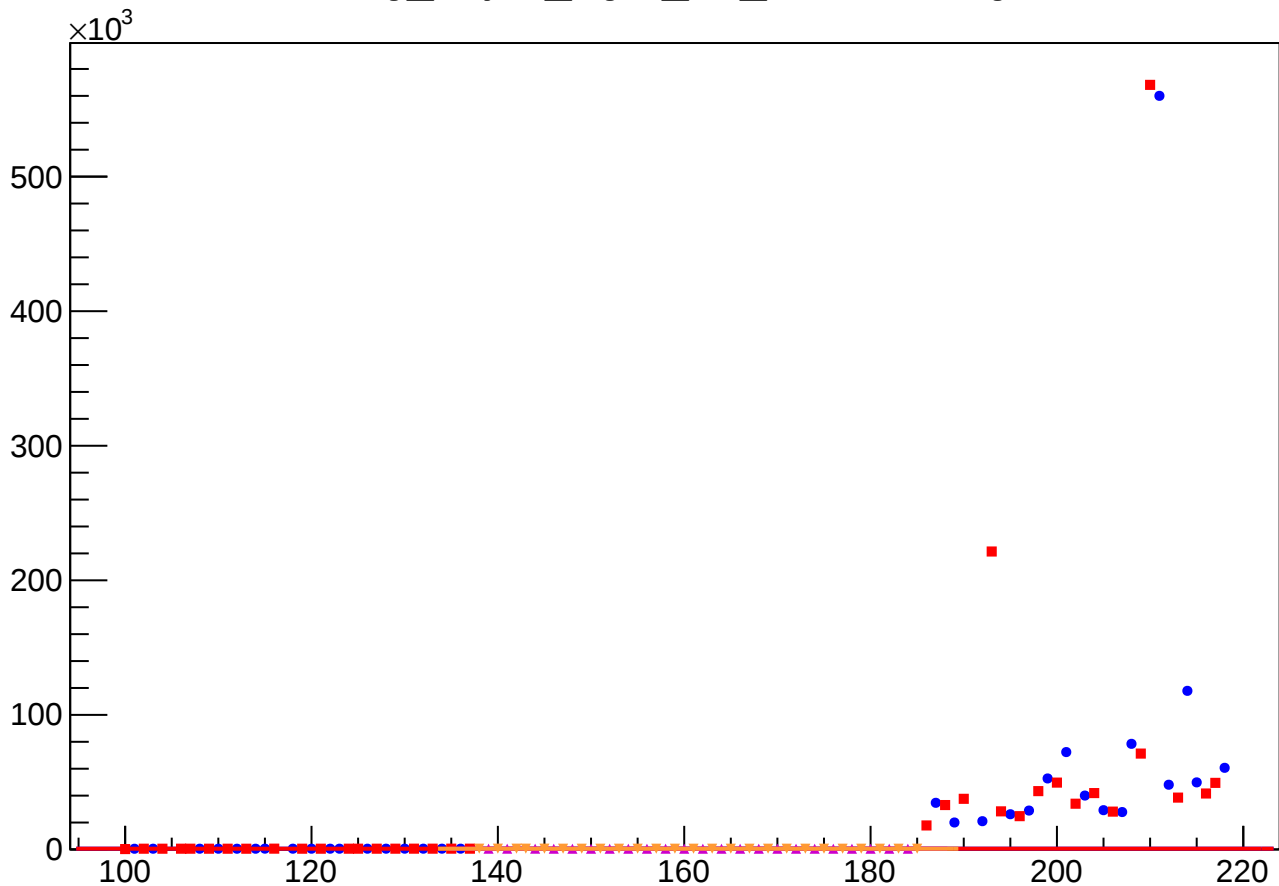
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

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

All: 21.906 $\pm$ 79.189 χ^2 /NDF: 301.4/112

- sign -1124.441 $\pm$ 112.332 χ^2 /NDF: 58.9/55

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: 559.011 $\pm$ 0.147 χ^2 /NDF: 6345355.3/34

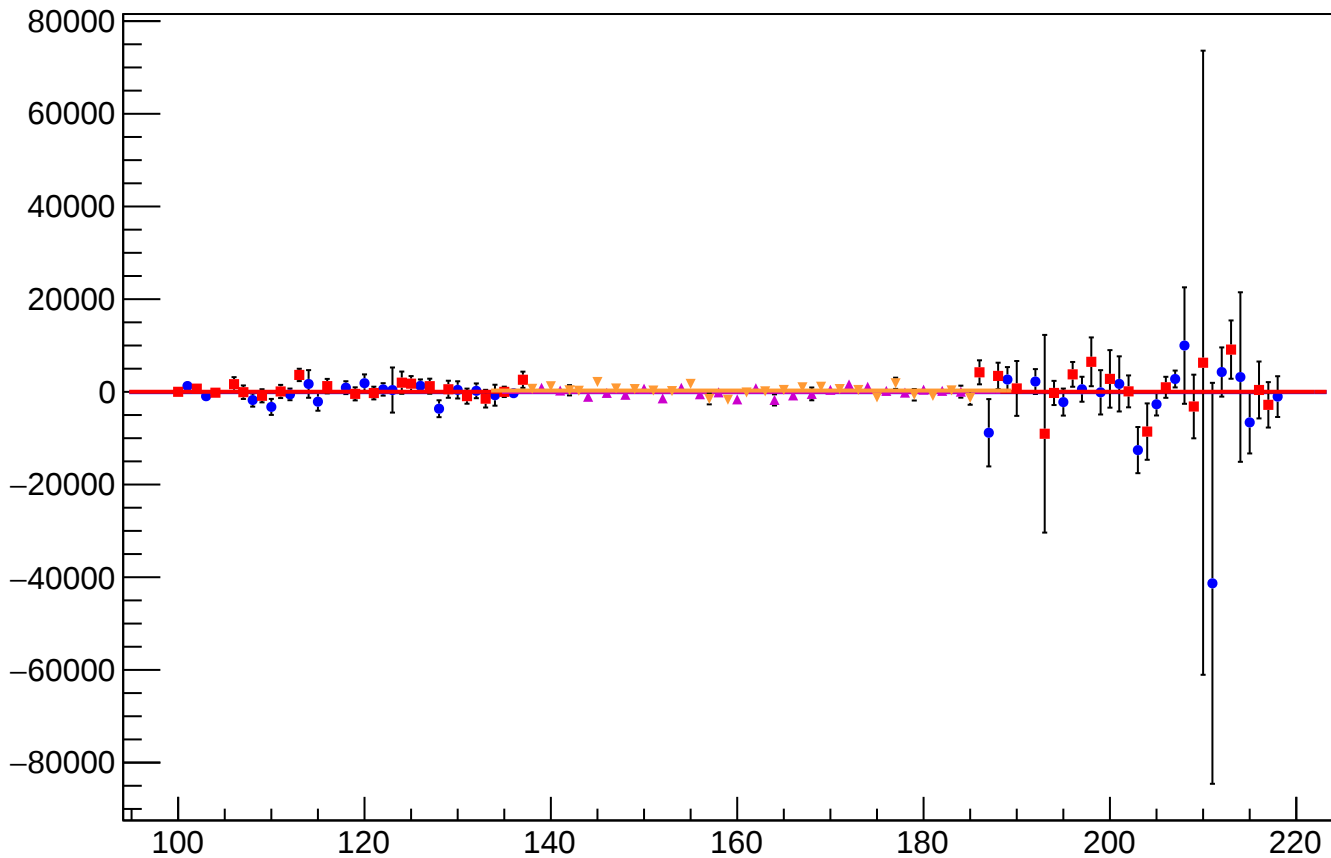
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

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

All: 559.540 $\pm$ 0.056 χ^2 /NDF: 12843801.6/1

- sign 558.007 $\pm$ 0.079 χ^2 /NDF: 6356697.3/57

asym_right_dd_correction_mean vs Slug



Right In: -66.482 $\pm$ 308.137 χ^2 /NDF: 34.1/32

Left Out: 281.402 $\pm$ 180.478 χ^2 /NDF: 26.8/24

Right Out: 22.891 $\pm$ 38.923 χ^2 /NDF: 28.6/34

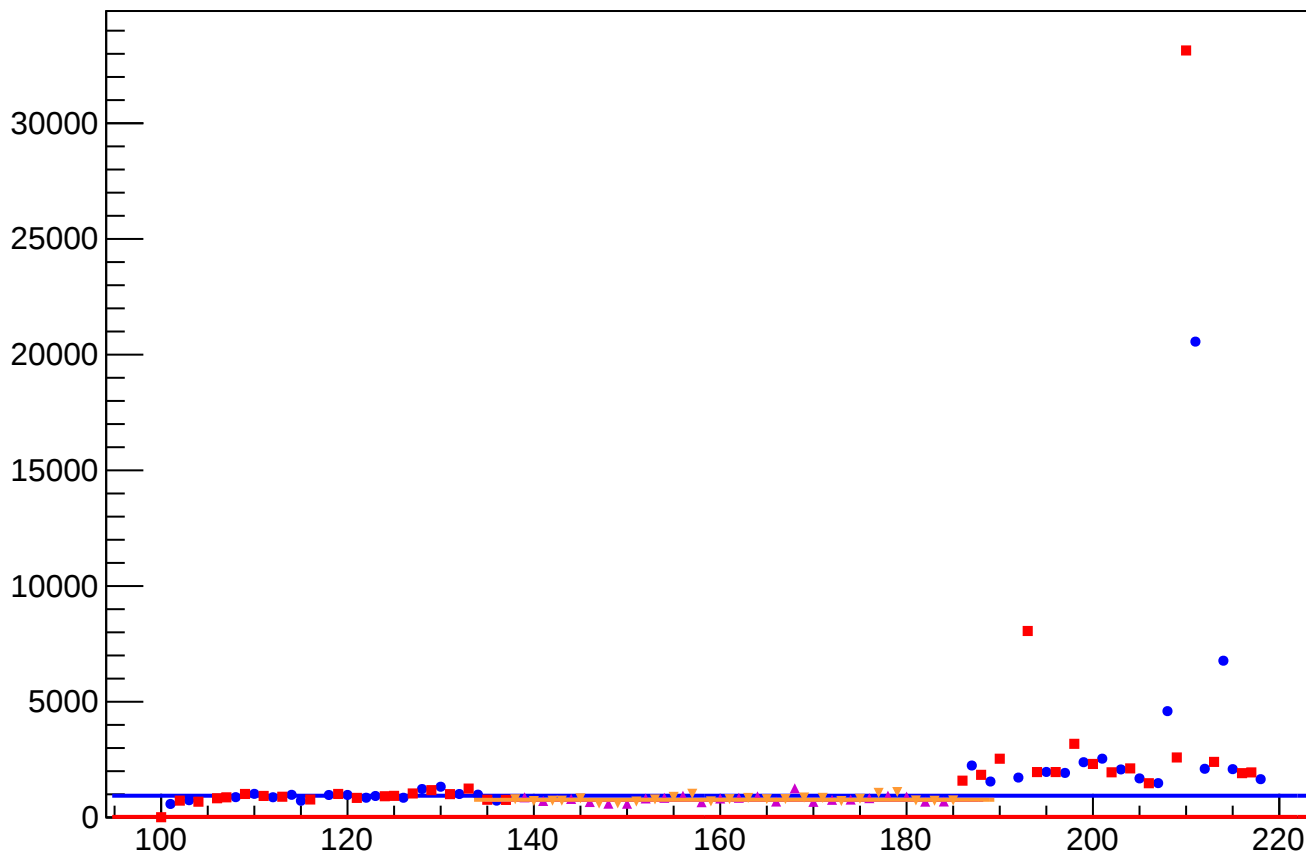
Left In: 7.306 $\pm$ 183.473 χ^2 /NDF: 20.1/22

+ sign 192.543 $\pm$ 155.732 χ^2 /NDF: 61.9/57

All: 31.827 $\pm$ 36.987 χ^2 /NDF: 111.8/115

- sign 22.220 $\pm$ 38.076 χ^2 /NDF: 48.8/57

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: 24.851 $\pm$ 0.028 χ^2 /NDF: 22095992.1/34

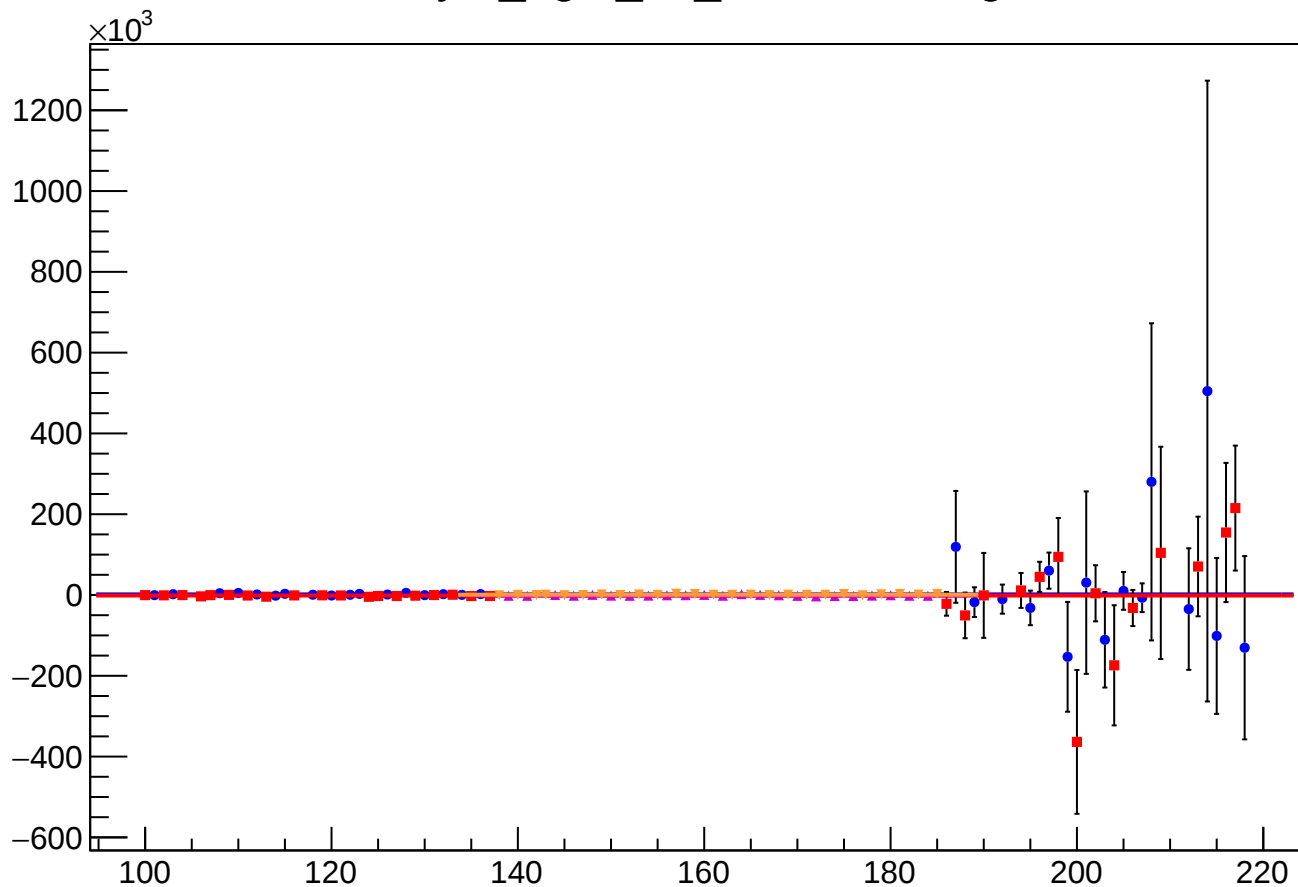
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

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

All: 98.690 $\pm$ 0.026 χ^2 /NDF: 102055347.3/11

- sign 56.275 $\pm$ 0.027 χ^2 /NDF: 53294860.1/57

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: -1287.781 ± 376.576 χ^2/NDF : 25.5/32

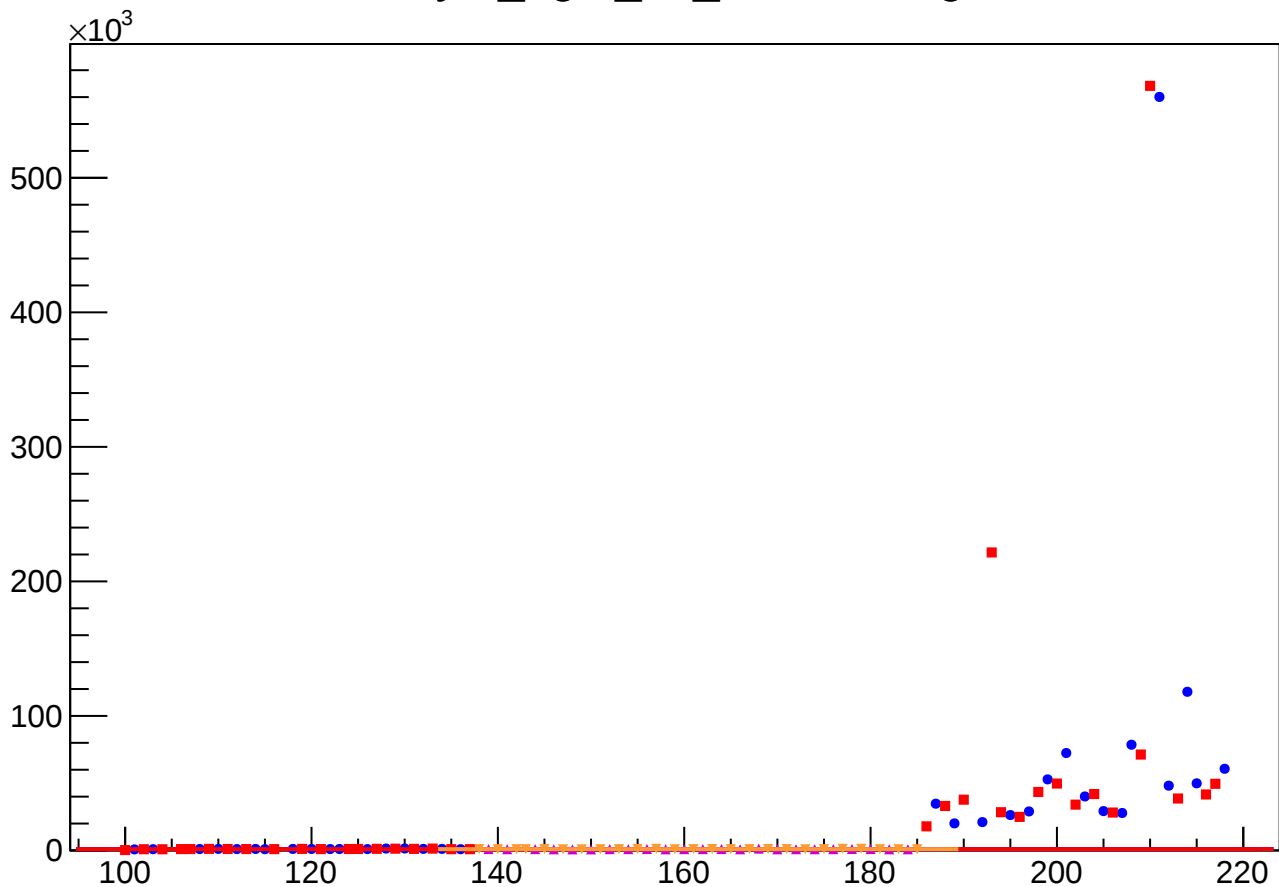
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

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

All: -142.047 ± 139.049 χ^2/NDF : 156.8/112

- sign -1206.623 ± 196.427 χ^2/NDF : 49.8/55

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: 978.704 $\pm$ 0.266 χ^2 /NDF: 7116597.7/34

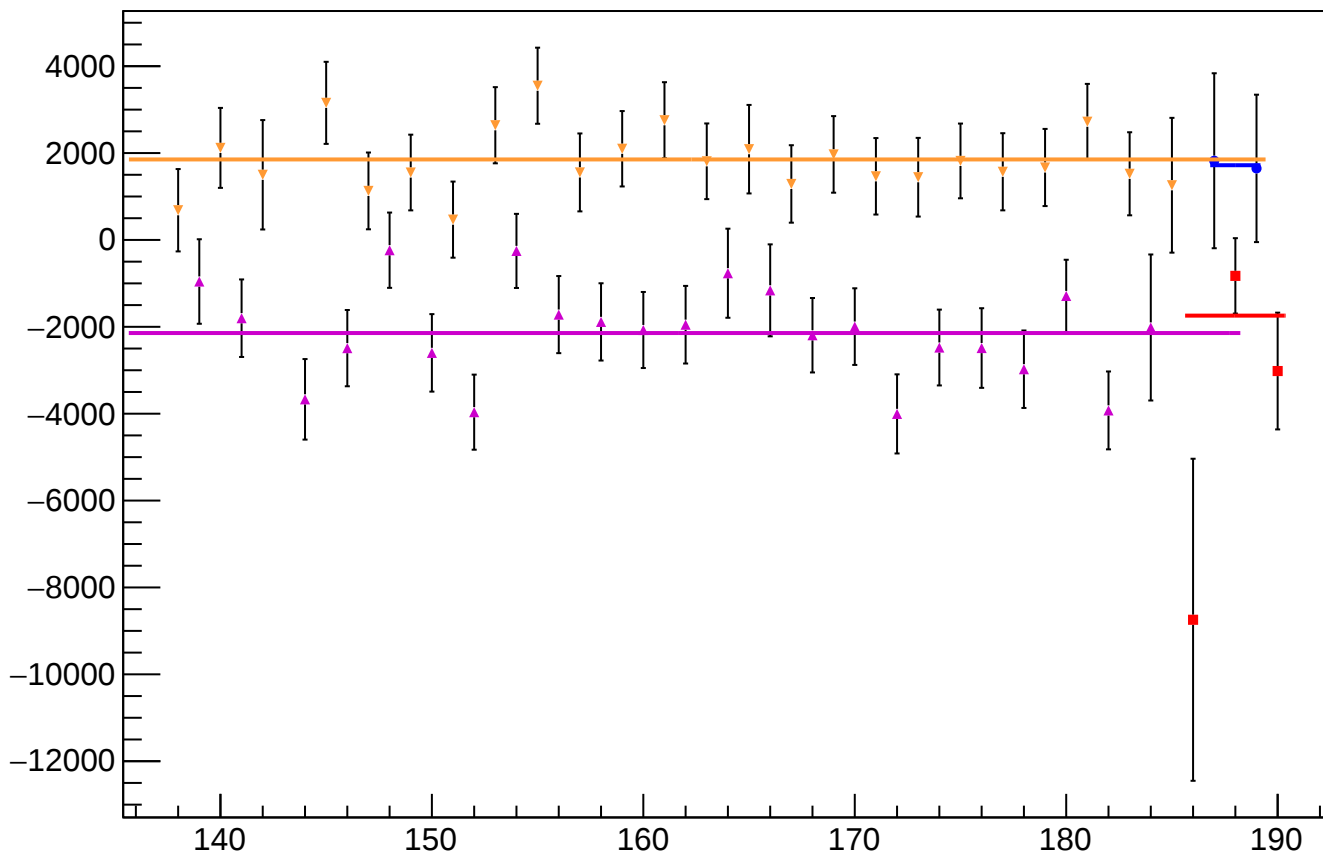
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF: 443068.5/22

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

All: 971.450 $\pm$ 0.098 χ^2 /NDF: 14587596.1/11

- sign 961.690 $\pm$ 0.139 χ^2 /NDF: 7565274.9/57

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

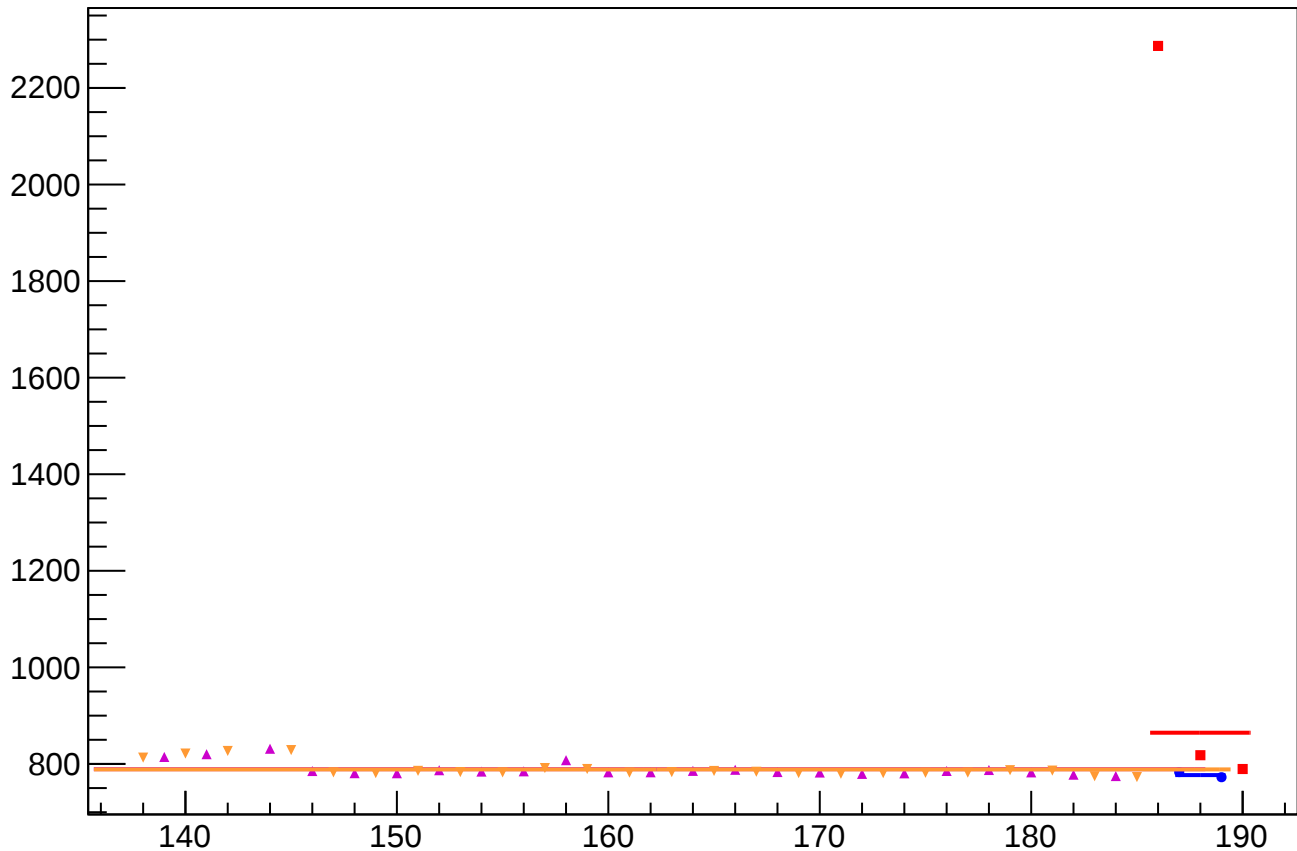
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ 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 ± 0.918 χ^2/NDF : 32.5/1

Left Out: 788.658 ± 0.133 χ^2/NDF : 11499.7/23

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

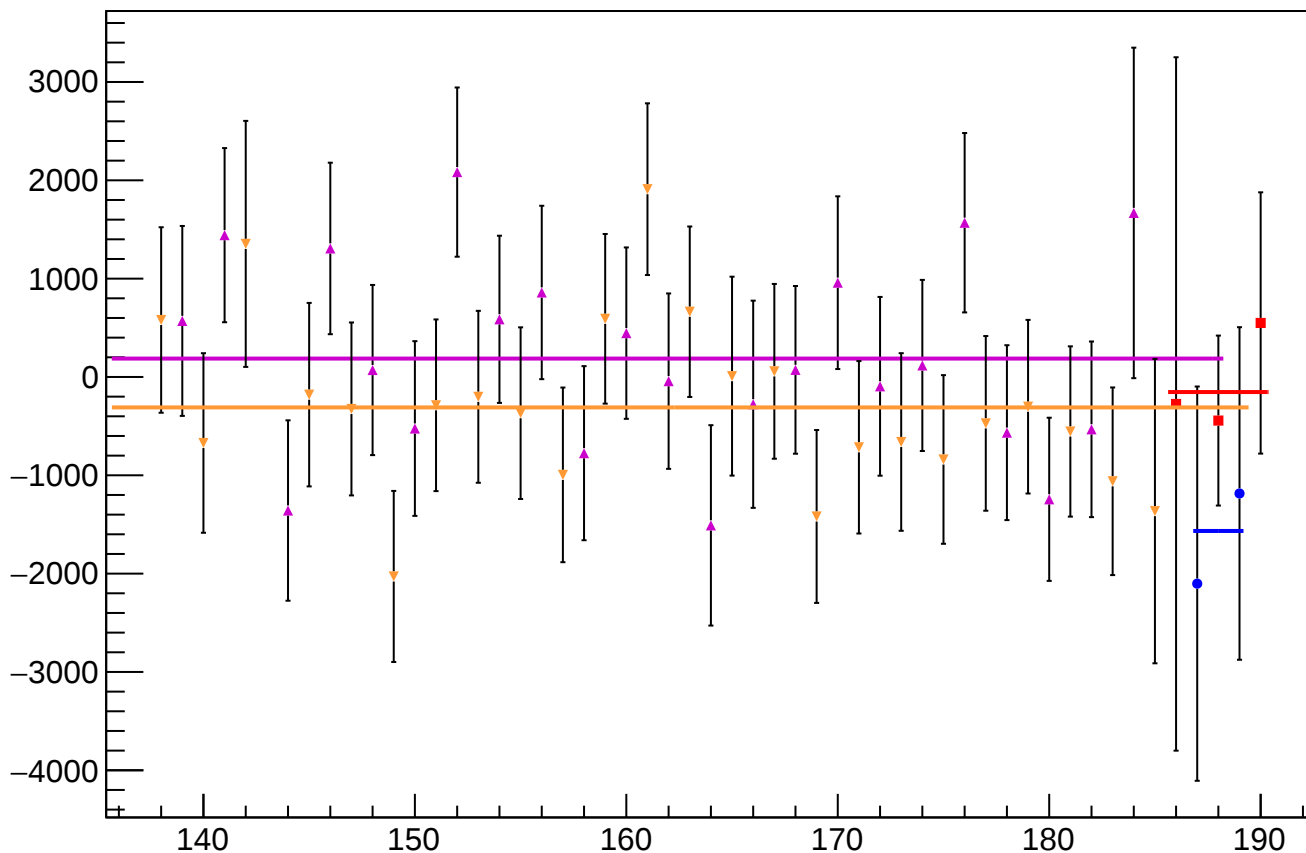
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ sign 788.418 ± 0.131 χ^2/NDF : 11693.3/25

All: 791.315 ± 0.092 χ^2/NDF : 350812.6/51

- sign 794.158 ± 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 $\chi^2/\text{NDF}: 0.4/2$

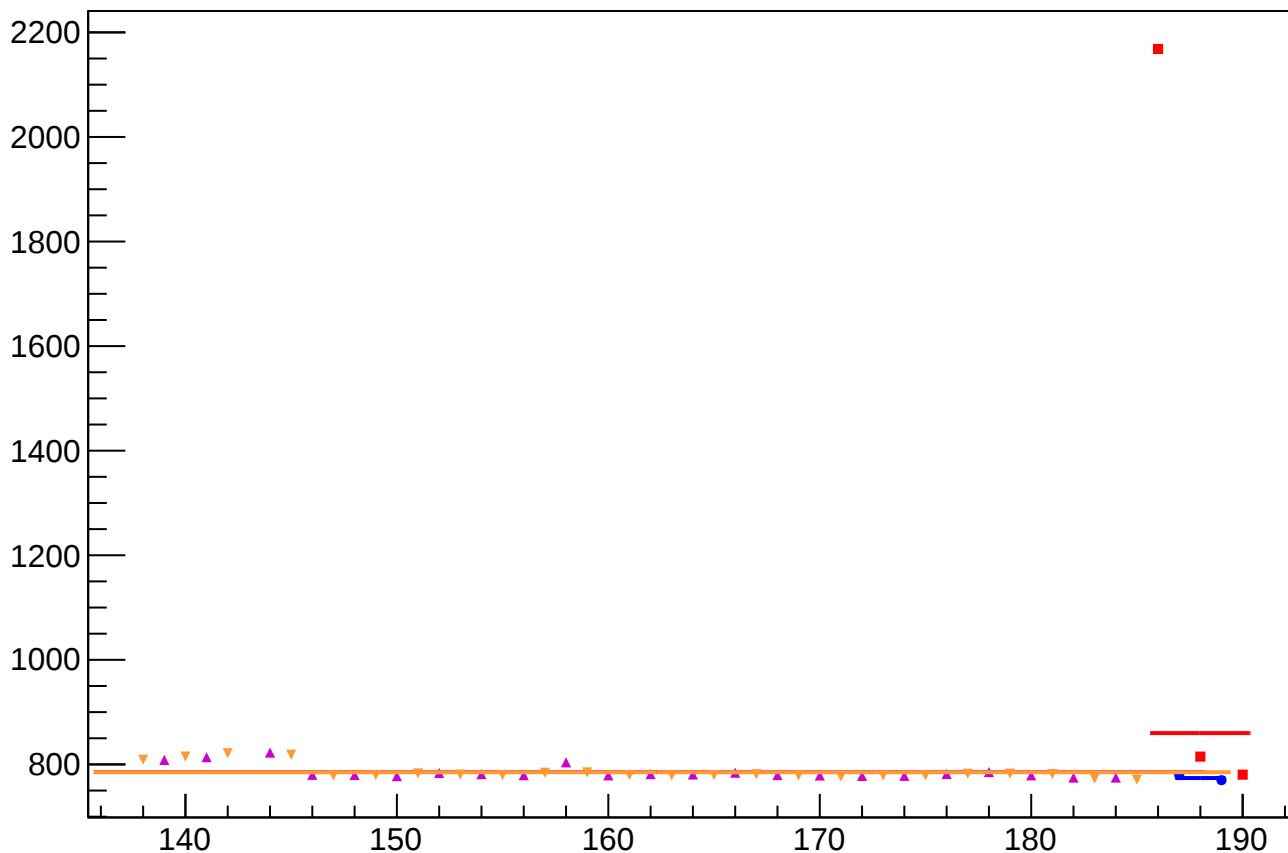
Left In: 187.105 ± 189.265 $\chi^2/\text{NDF}: 25.6/22$

+ 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

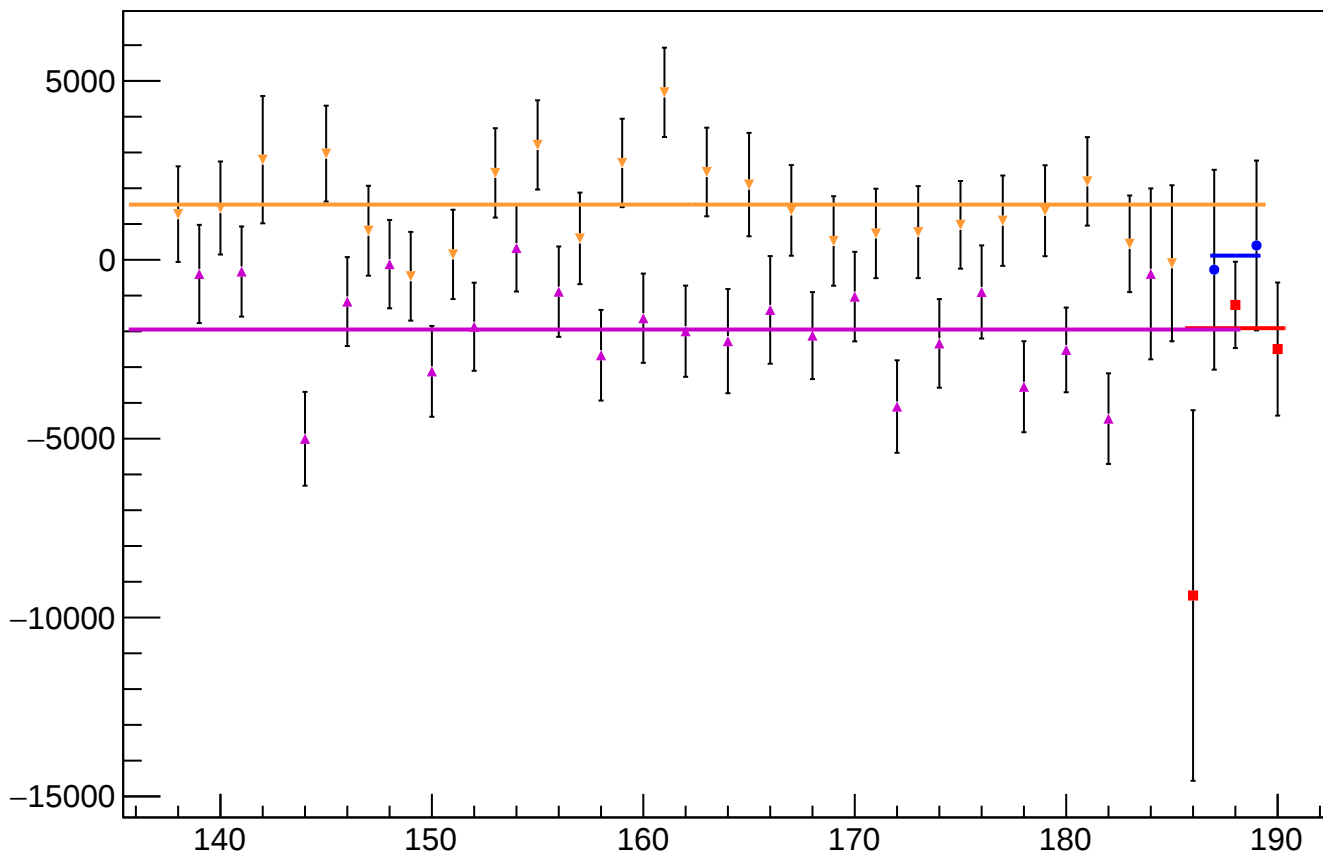
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

+ 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

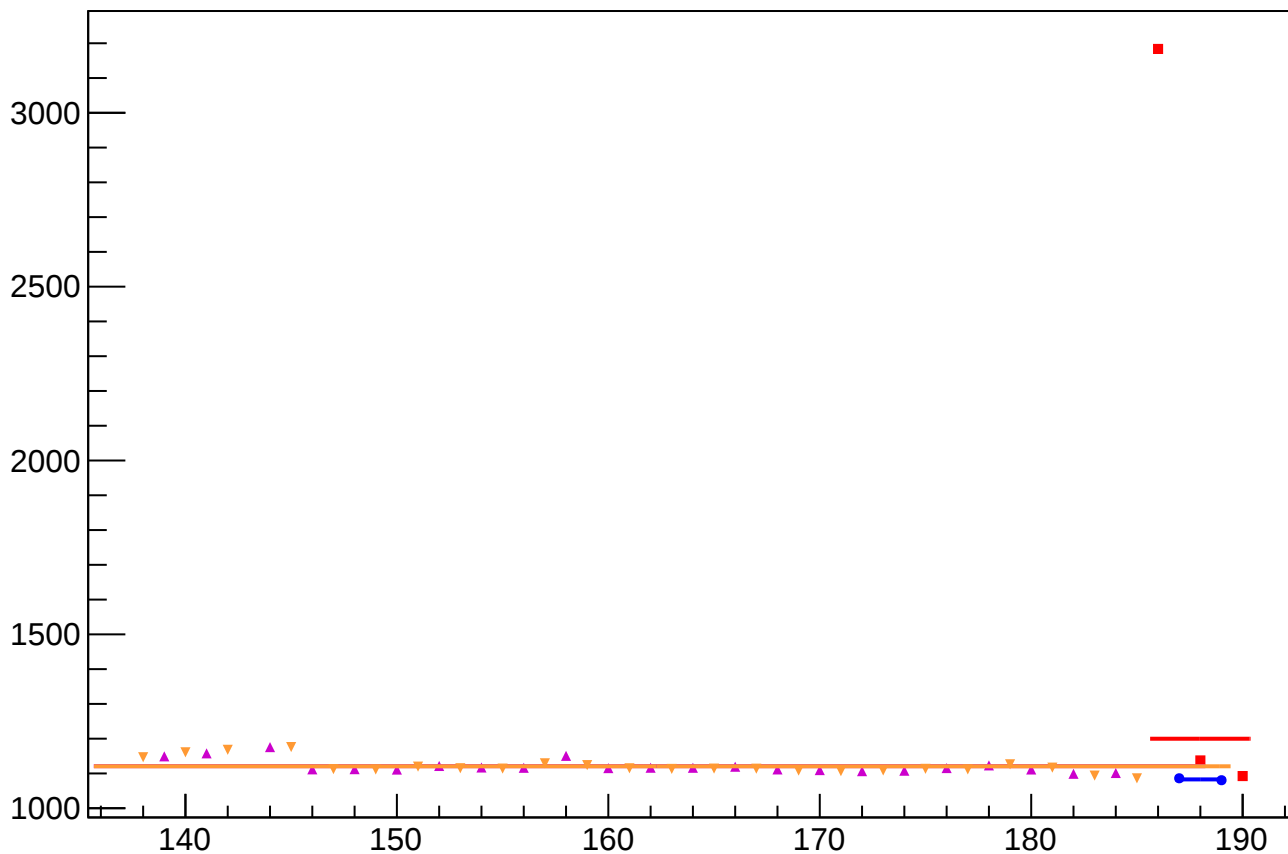
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ 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+/-1.279 χ^2/NDF : 4.6/1

Left Out: 1120.578+/-0.188 χ^2/NDF : 10264.0/23

Right Out: 1199.844+/-0.702 χ^2/NDF : 305356.1/2

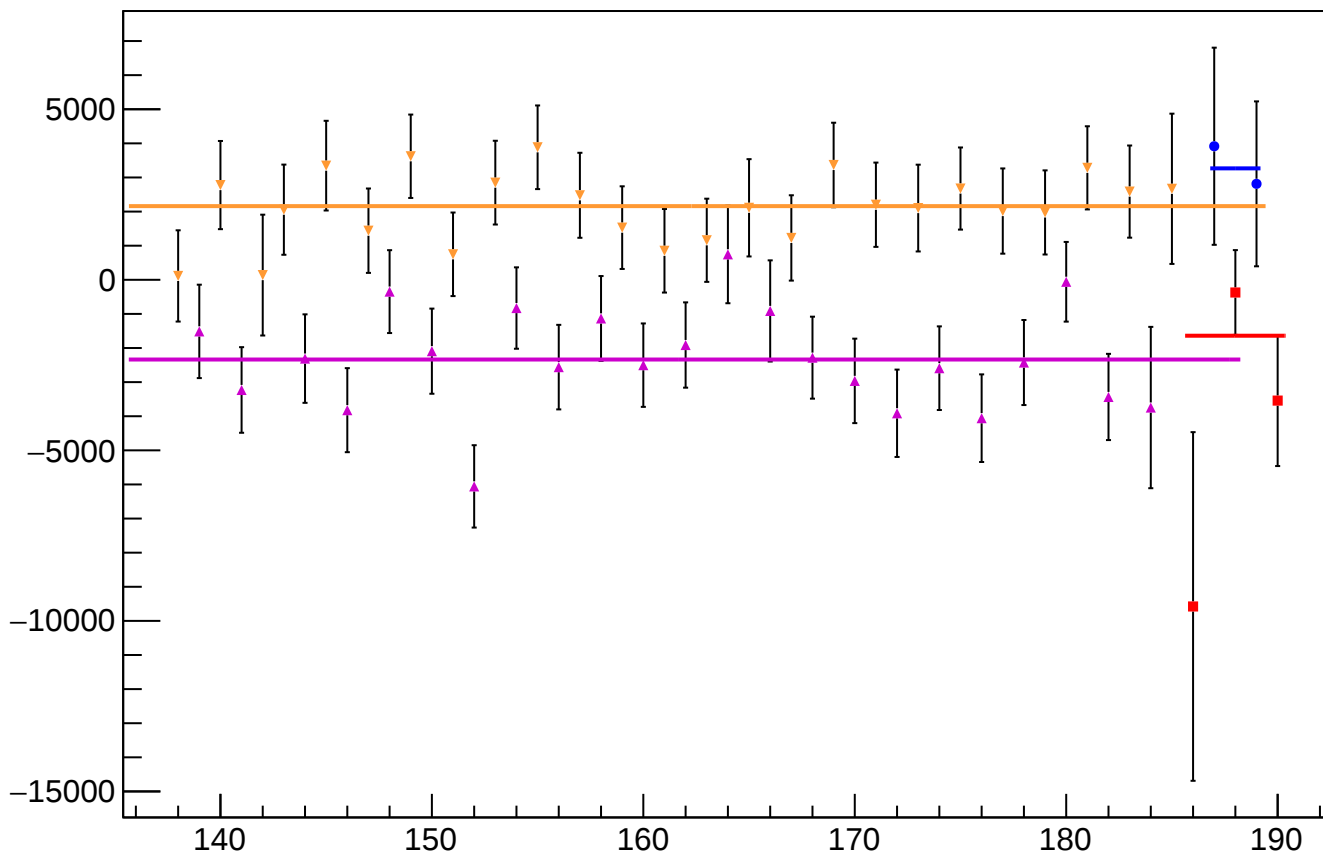
Left In: 1120.977+/-0.191 χ^2/NDF : 9259.6/22

+ sign 1119.778+/-0.186 χ^2/NDF : 11119.7/25

All: 1123.129+/-0.131 χ^2/NDF : 338117.1/51

- sign 1126.407+/-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

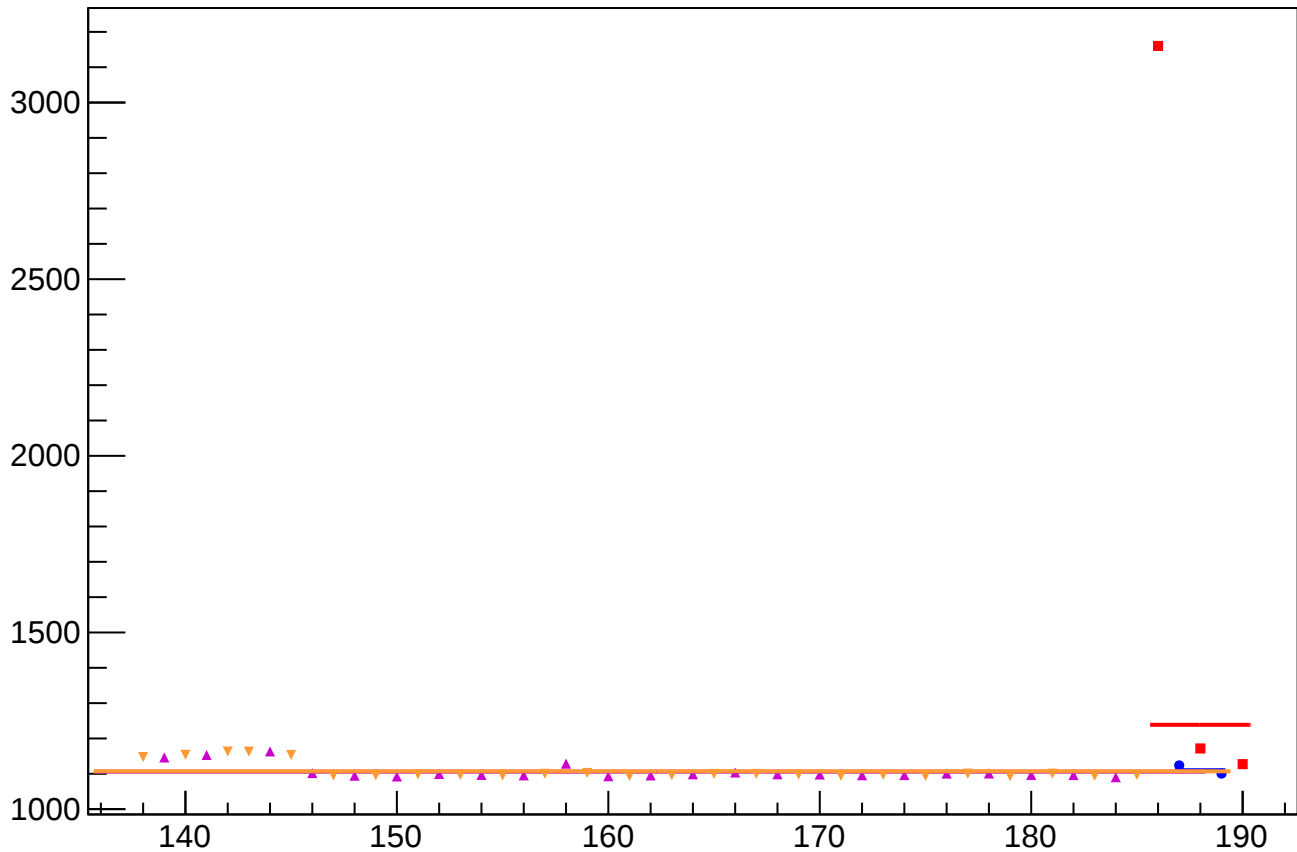
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ 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 $\pm$ 1.311 χ^2 /NDF: 75.3/1

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

Right Out: 1238.637 $\pm$ 0.723 χ^2 /NDF: 295245.1/2

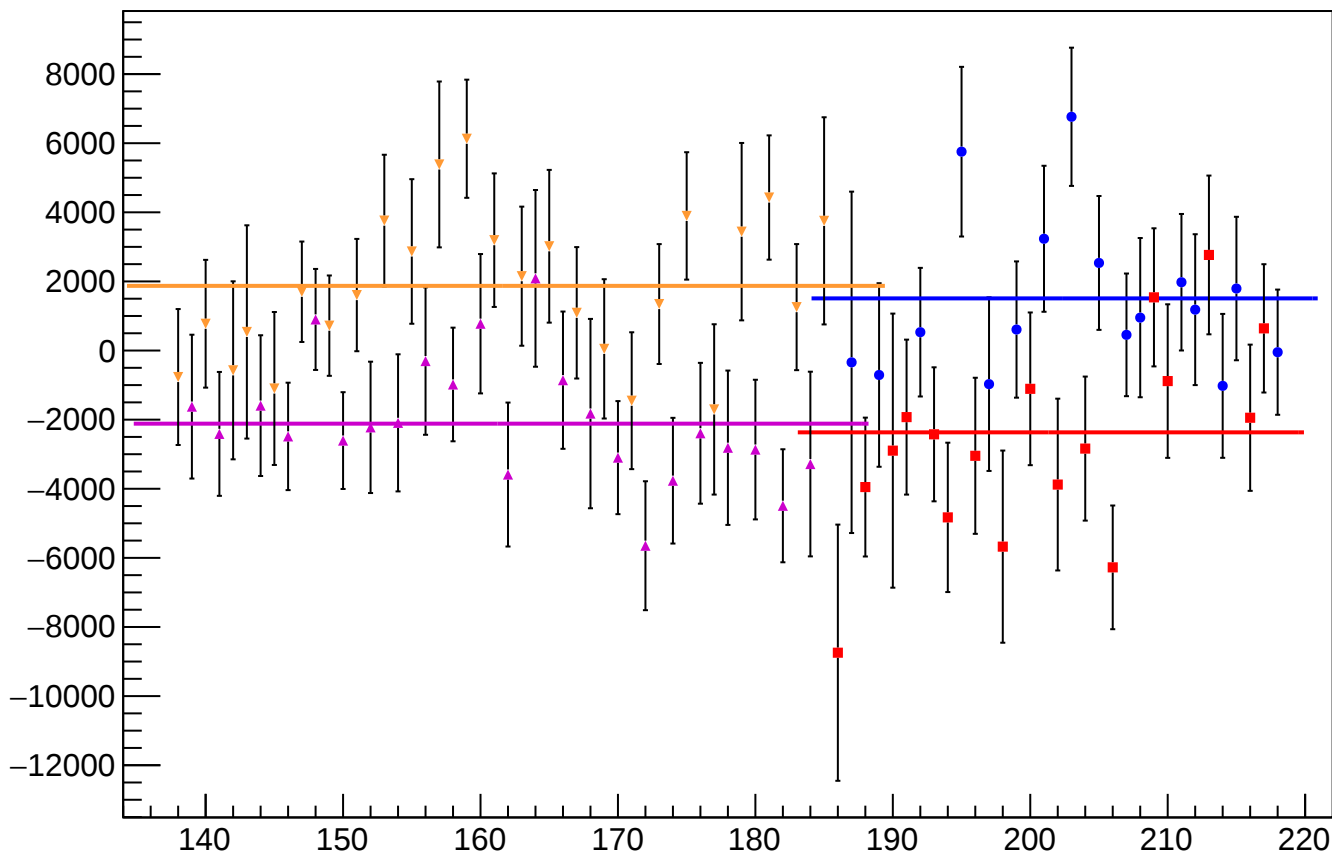
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

+ sign 1107.148 $\pm$ 0.180 χ^2 /NDF: 15265.7/26

All: 1110.735 $\pm$ 0.128 χ^2 /NDF: 353978.0/52

- sign 1114.399 $\pm$ 0.182 χ^2 /NDF: 337913.0/25

asym_us_agg_avg_mean vs Slug



Right In: 1509.135 $\pm$ 532.017 χ^2 /NDF: 15.9/15

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

Right Out: -2367.450 $\pm$ 538.113 χ^2 /NDF: 23.9/16

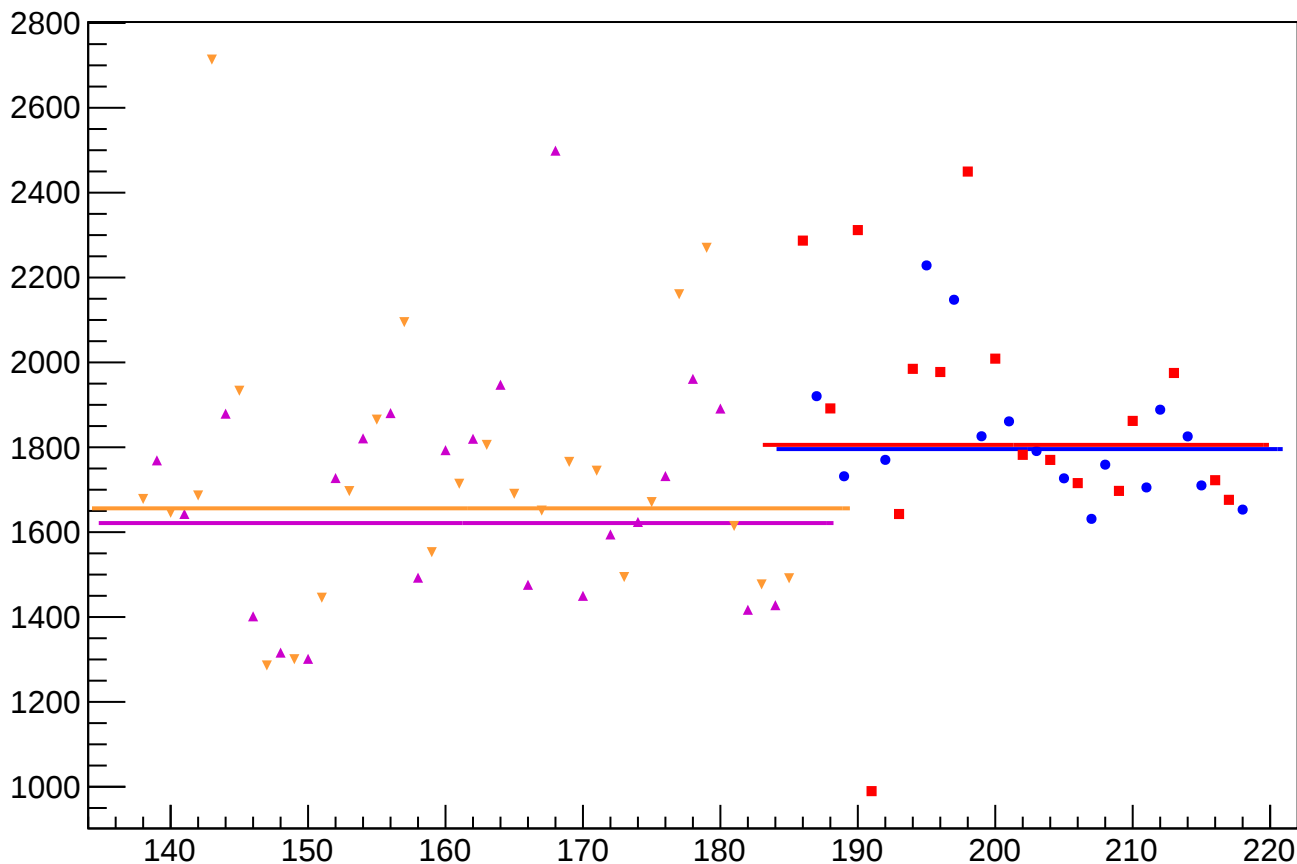
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1744.217 $\pm$ 315.420 χ^2 /NDF: 42.3/40

All: -217.502 $\pm$ 223.722 χ^2 /NDF: 162.9/80

- sign -2203.540 $\pm$ 317.369 χ^2 /NDF: 42.8/39

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: 1805.671 $\pm$ 0.381 χ^2/NDF : 535113.4/16

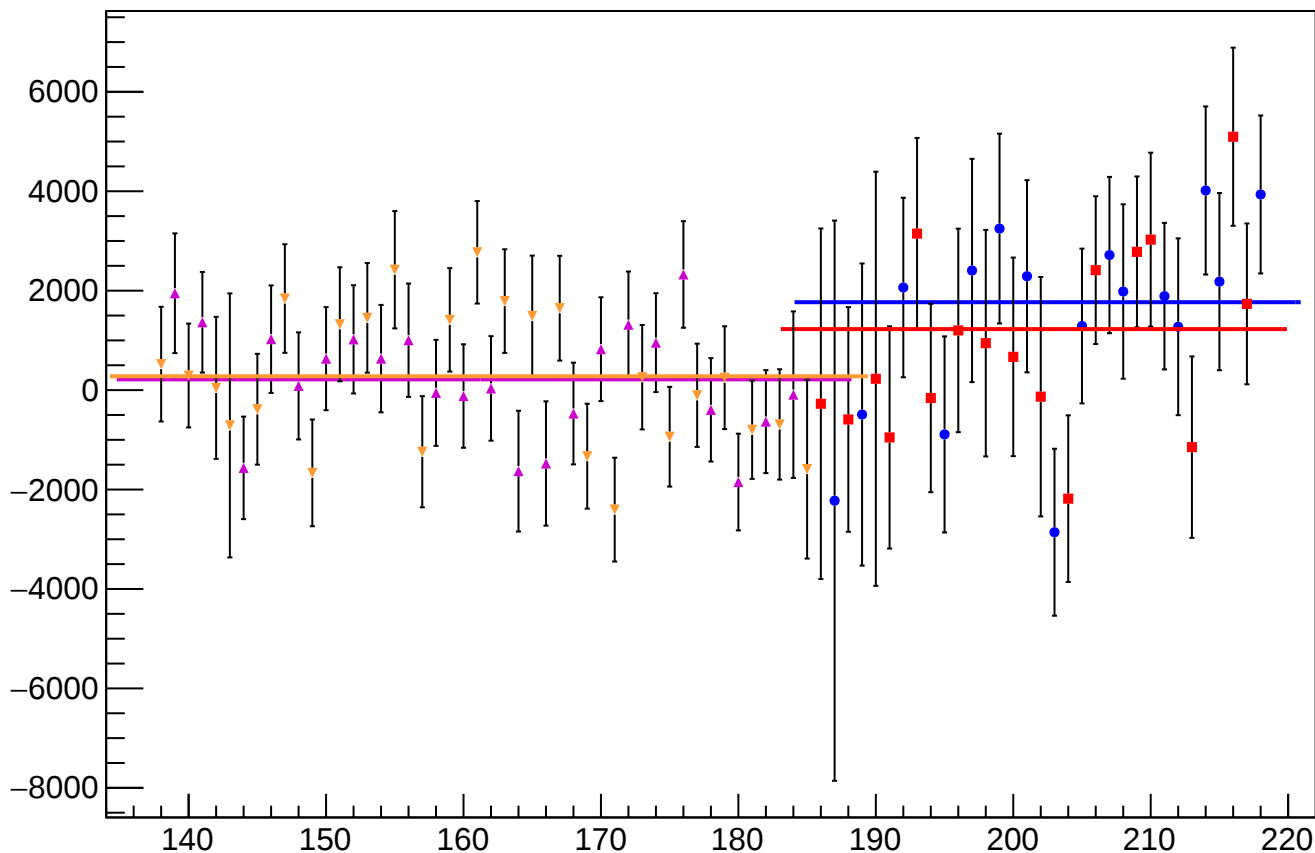
Left In: 1621.417 $\pm$ 0.278 χ^2/NDF : 775310.1/22

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

All: 1695.412 $\pm$ 0.158 χ^2/NDF : 2617942.1/80

- sign 1685.508 $\pm$ 0.224 χ^2/NDF : 1463345.9/39

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: 1227.159 $\pm$ 471.321 χ^2 /NDF: 17.1/16

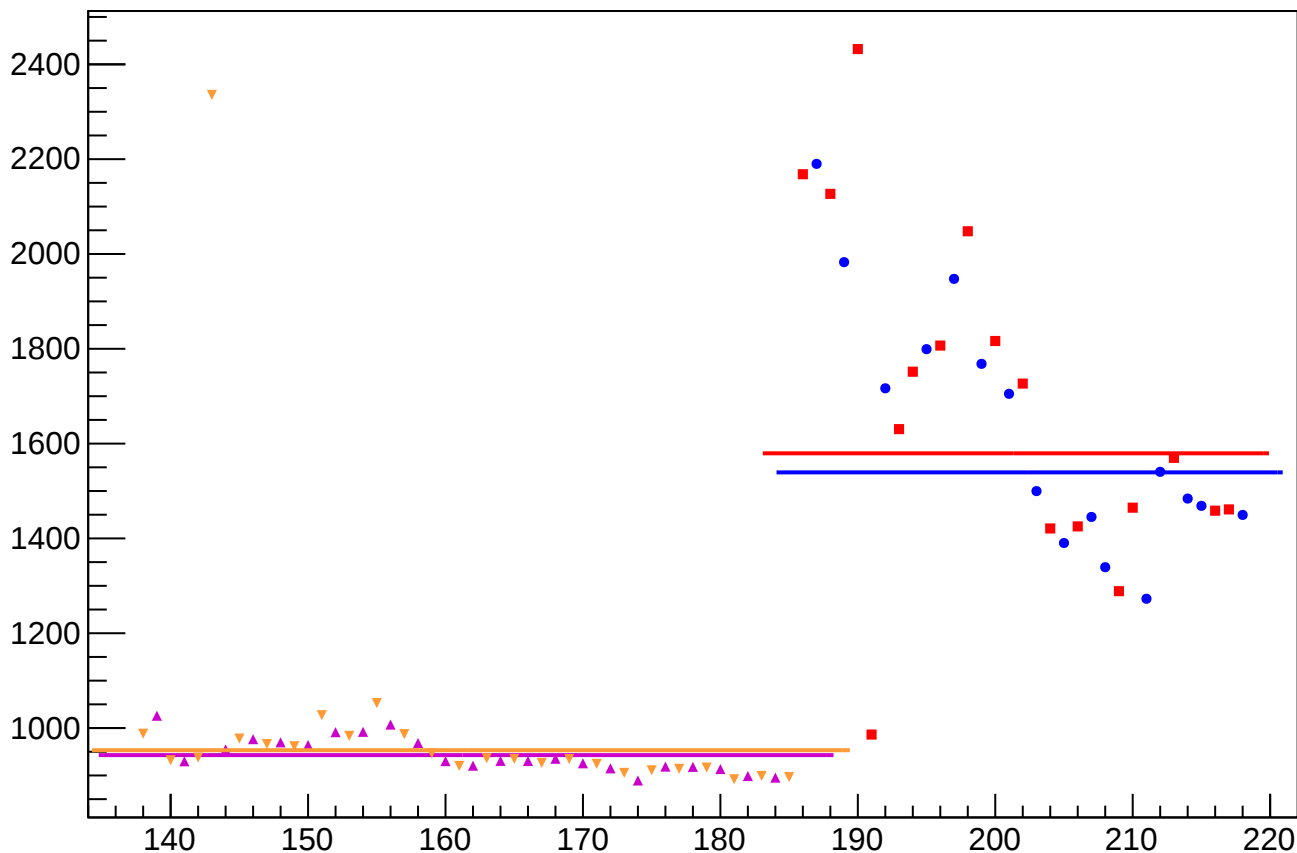
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

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

All: 486.038 $\pm$ 142.955 χ^2 /NDF: 108.0/80

- sign 404.582 $\pm$ 203.490 χ^2 /NDF: 45.3/39

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: 1579.533+/-0.333 χ^2/NDF : 701905.9/16

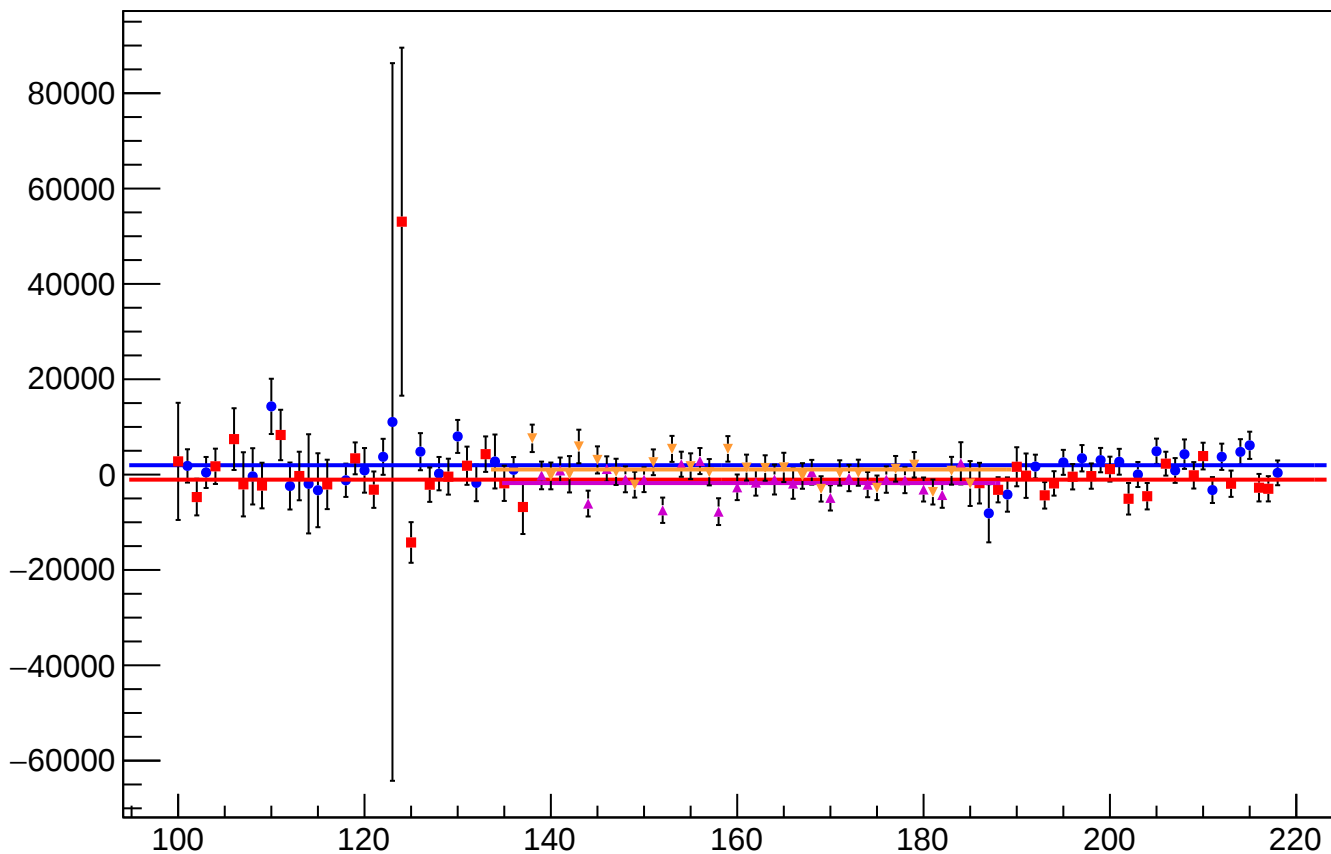
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

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

All: 1063.941+/-0.101 χ^2/NDF : 7338175.7/80

- sign 1061.592+/-0.144 χ^2/NDF : 3718881.4/39

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: -1058.034 $\pm$ 577.774 χ^2 /NDF: 36.7/35

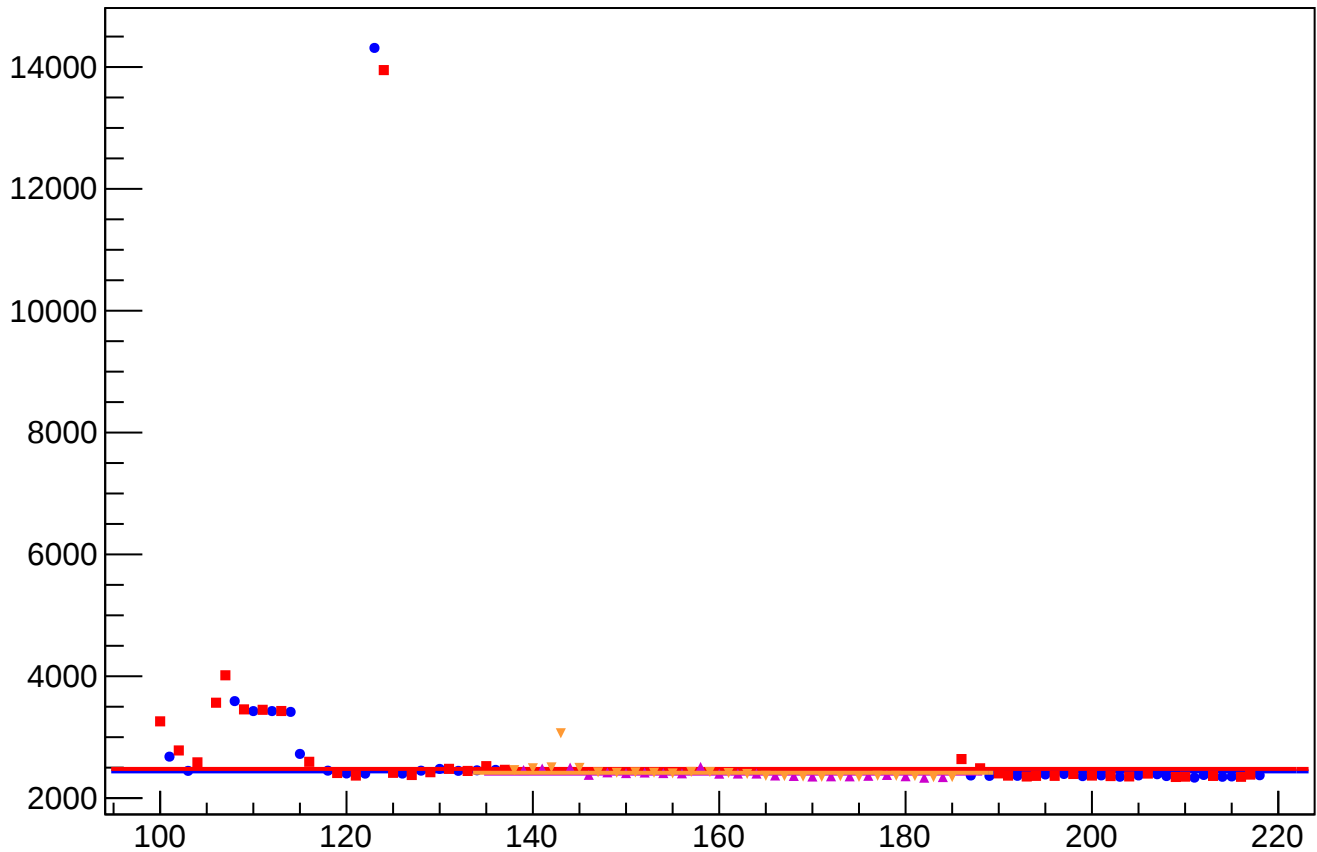
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

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

All: 66.109 $\pm$ 286.615 χ^2 /NDF: 141.3/116

- sign -1418.738 $\pm$ 407.882 χ^2 /NDF: 61.5/58

reg_asym_atl1_rms vs Slug



Right In: 2438.364+/-0.407 χ^2/NDF : 317473.8/32

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

Right Out: 2479.106+/-0.409 χ^2/NDF : 655755.9/35

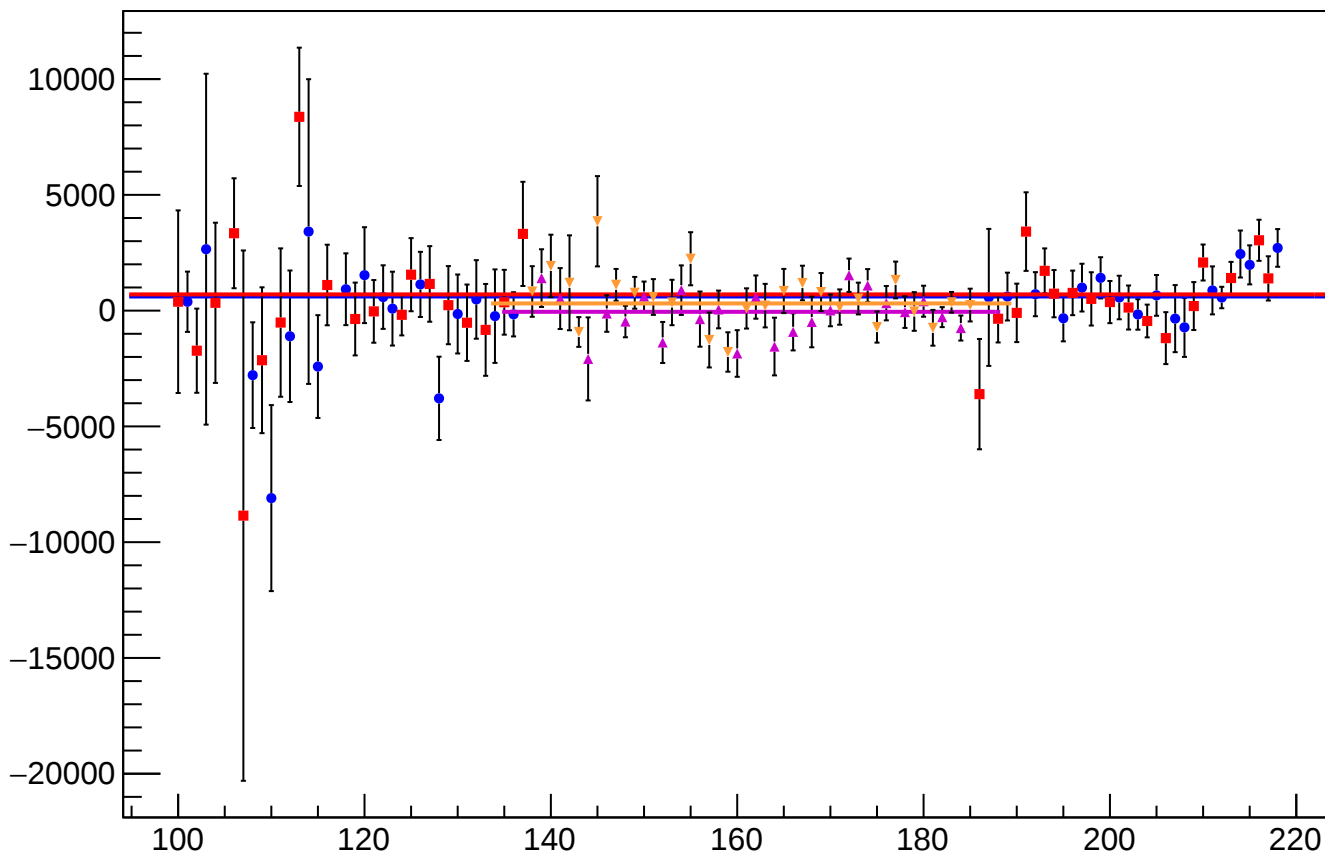
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2426.965+/-0.285 χ^2/NDF : 401647.7/57

All: 2433.469+/-0.203 χ^2/NDF : 1090344.0/11

- sign 2440.137+/-0.288 χ^2/NDF : 687640.5/58

asym_atl1_correction_mean vs Slug



Right In: 611.002 ± 194.997 χ^2/NDF : 34.3/32

Left Out: 310.873 ± 160.650 χ^2/NDF : 29.7/24

Right Out: 701.090 ± 203.994 χ^2/NDF : 42.3/35

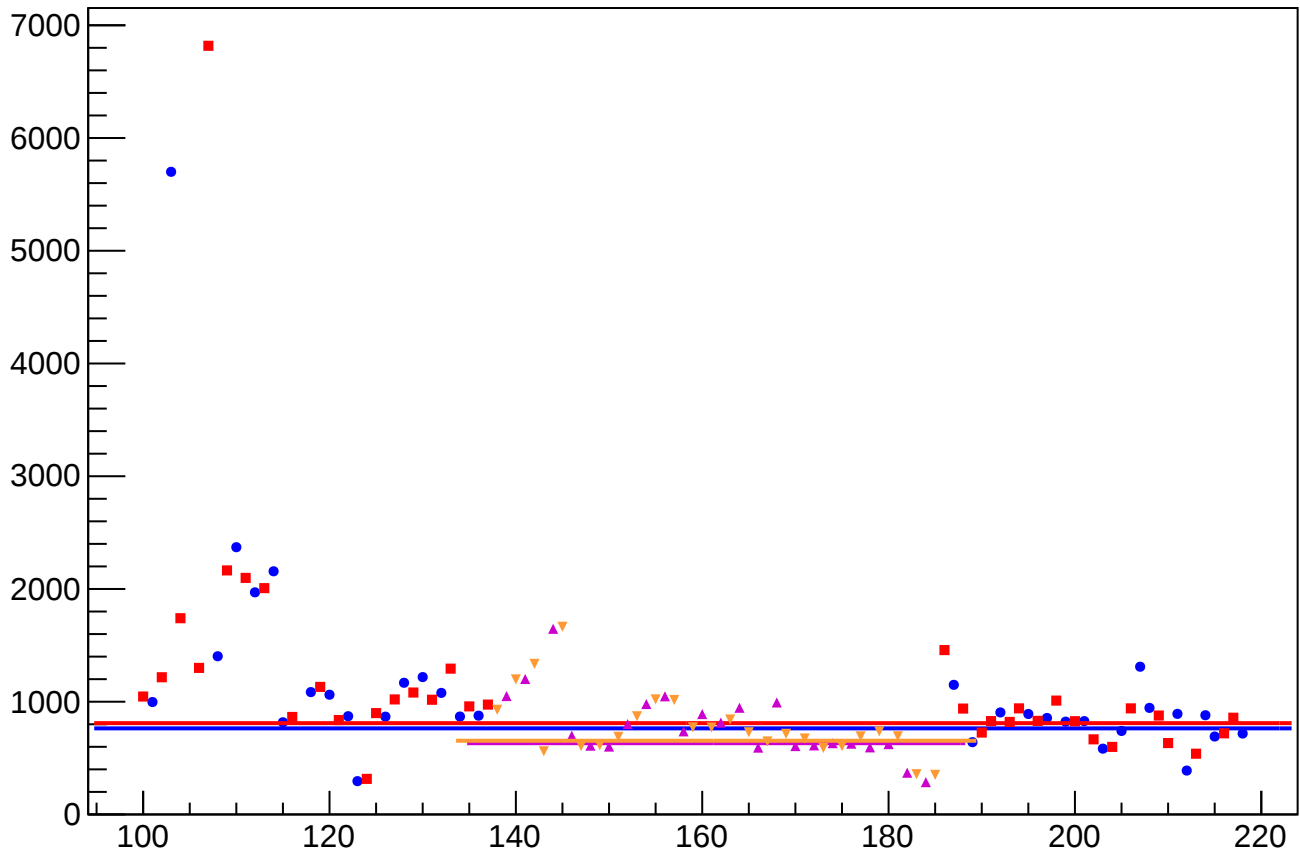
Left In: -51.454 ± 161.744 χ^2/NDF : 23.8/22

+ sign 432.220 ± 123.991 χ^2/NDF : 65.4/57

All: 337.743 ± 88.631 χ^2/NDF : 141.2/116

- sign 239.030 ± 126.740 χ^2/NDF : 74.5/58

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: 809.810 $\pm$ 0.144 χ^2 /NDF: 3856987.5/35

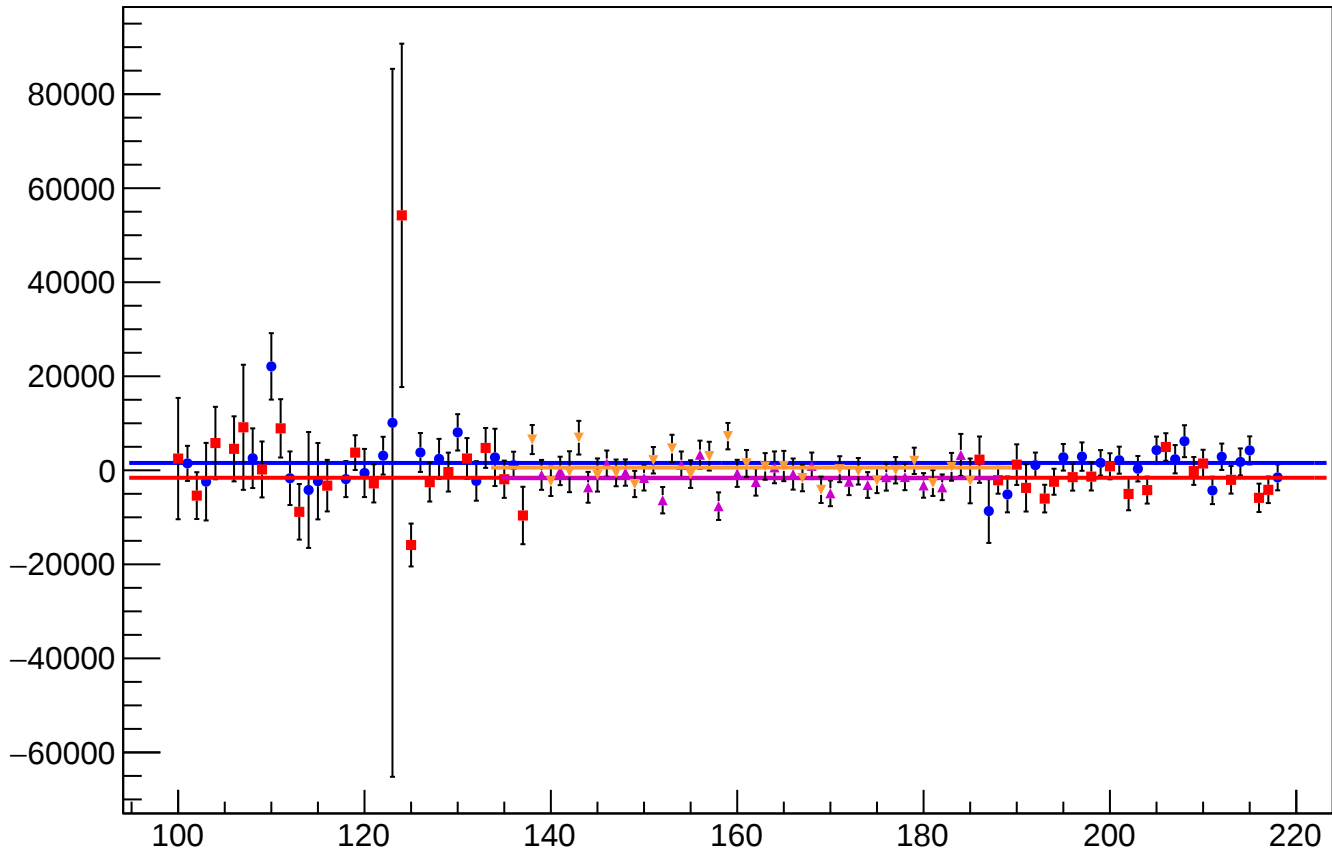
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

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

All: 699.396 $\pm$ 0.063 χ^2 /NDF: 16911318.7/11

- sign 700.668 $\pm$ 0.090 χ^2 /NDF: 8732274.8/58

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: -1586.173 $\pm$ 635.338 χ^2 /NDF: 42.3/35

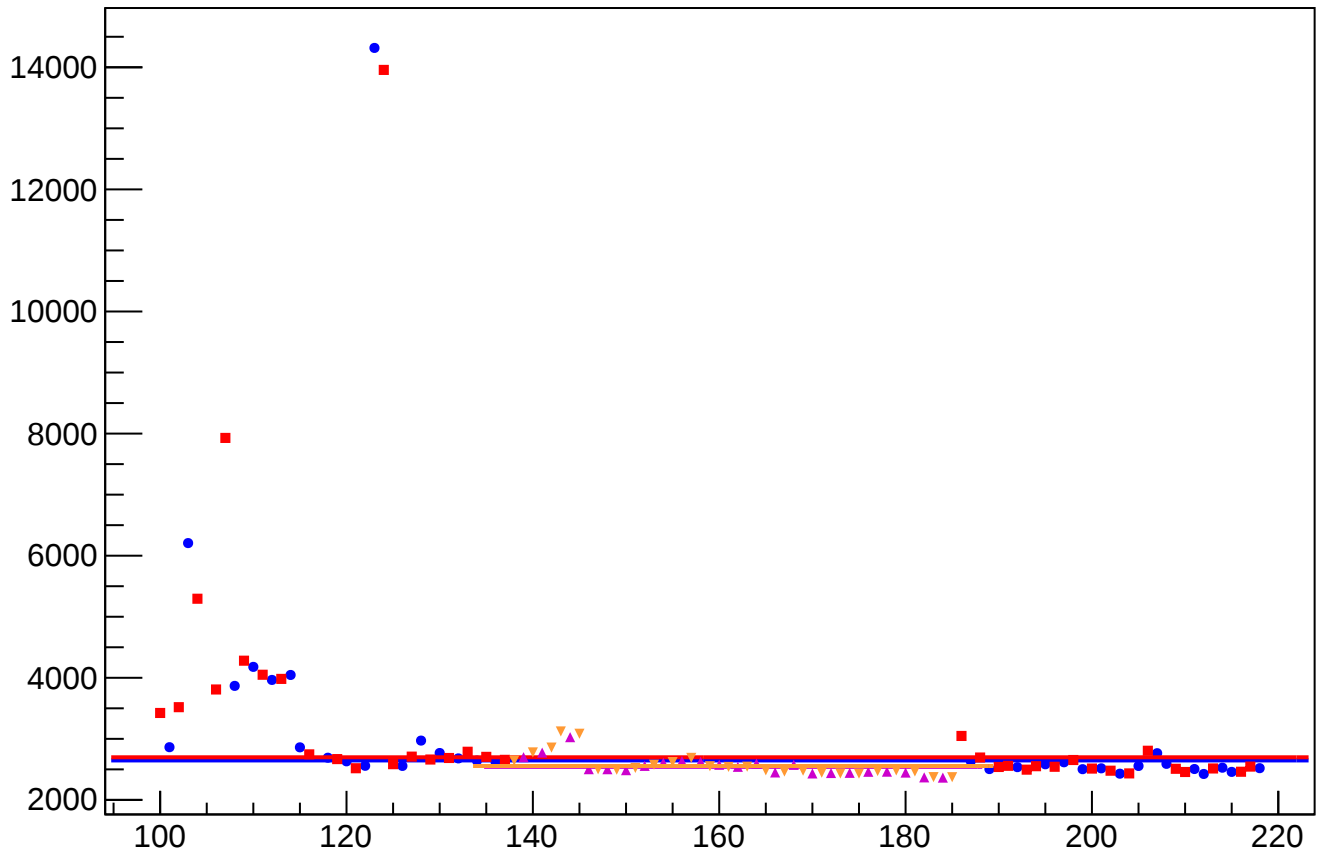
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

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

All: -271.959 $\pm$ 308.701 χ^2 /NDF: 135.8/116

- sign -1634.764 $\pm$ 440.062 χ^2 /NDF: 60.5/58

asym_atl1_rms vs Slug



Right In: 2646.296+/-0.445 χ^2/NDF : 813810.7/32

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

Right Out: 2697.839+/-0.449 χ^2/NDF : 1295876.3/35

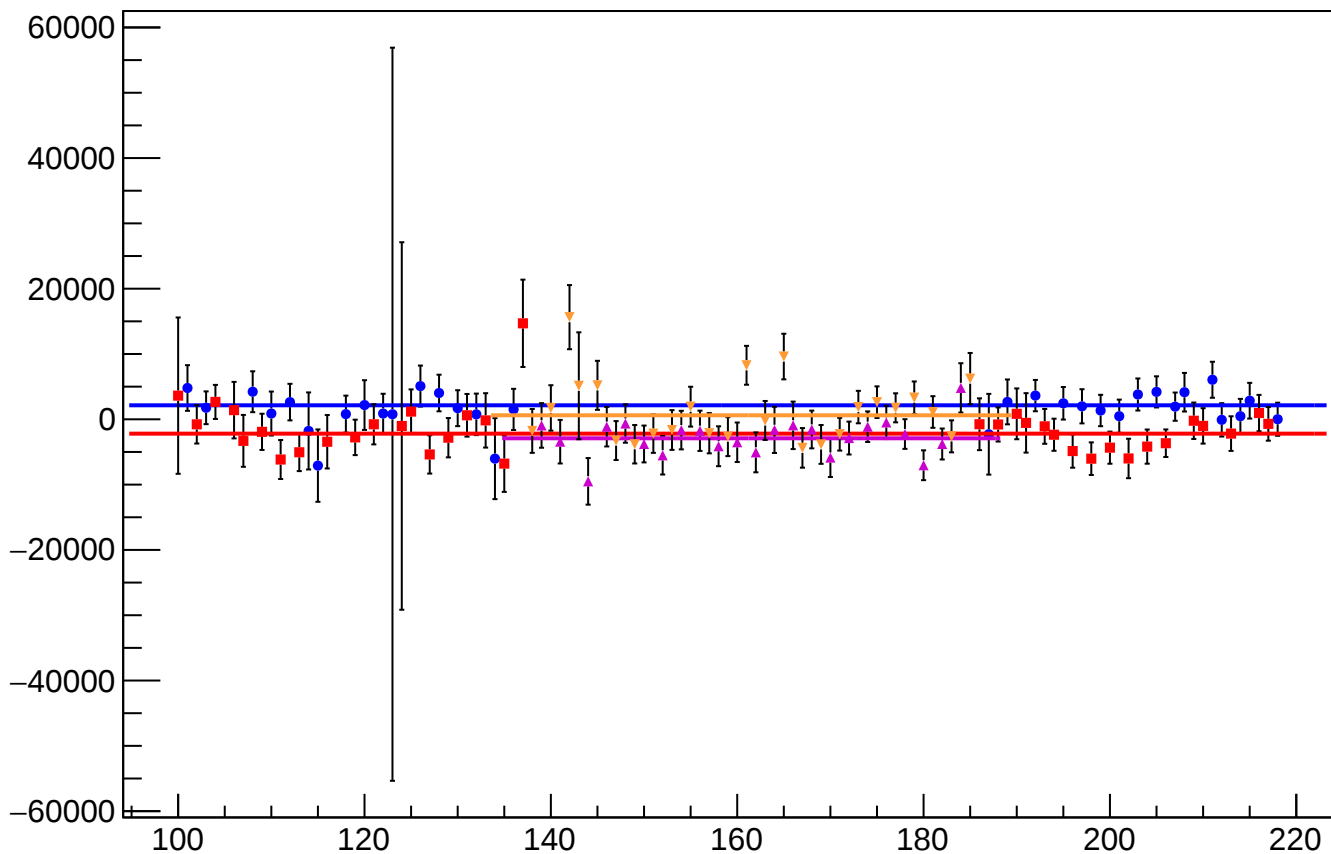
Left In: 2540.988+/-0.431 χ^2/NDF : 94756.7/22

+ sign 2598.410+/-0.306 χ^2/NDF : 990570.4/57

All: 2607.183+/-0.218 χ^2/NDF : 2446287.4/11

- sign 2616.237+/-0.311 χ^2/NDF : 1454049.9/58

reg_asym_atl2_mean vs Slug



Right In: 2144.764 ± 511.726 χ^2/NDF : 15.2/32

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

Right Out: -2196.737 ± 508.350 χ^2/NDF : 29.0/35

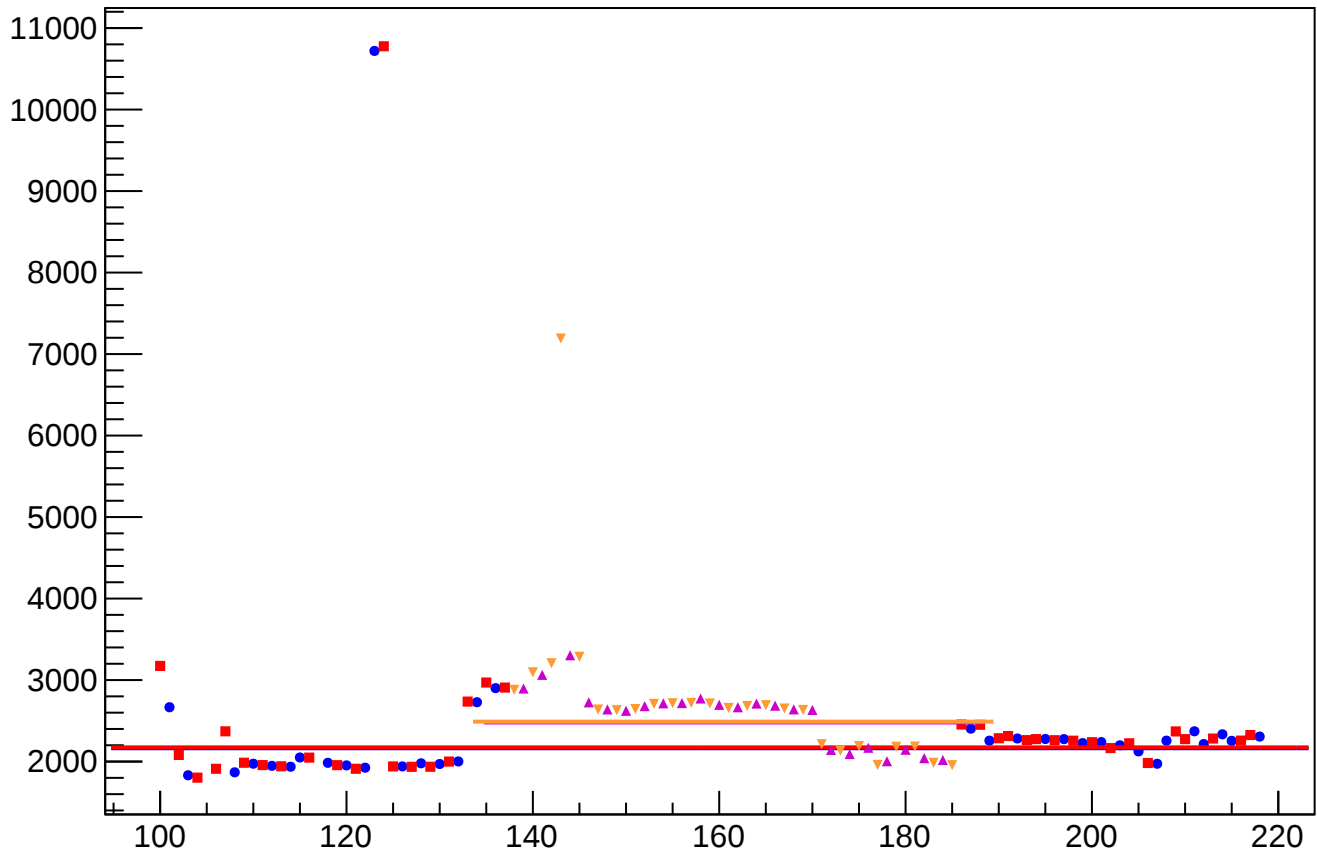
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1489.420 ± 386.901 χ^2/NDF : 64.3/57

All: -498.126 ± 273.887 χ^2/NDF : 164.4/116

- sign -2494.604 ± 387.769 χ^2/NDF : 47.2/58

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: 2174.127 $\pm$ 0.359 χ^2 /NDF: 576535.3/35

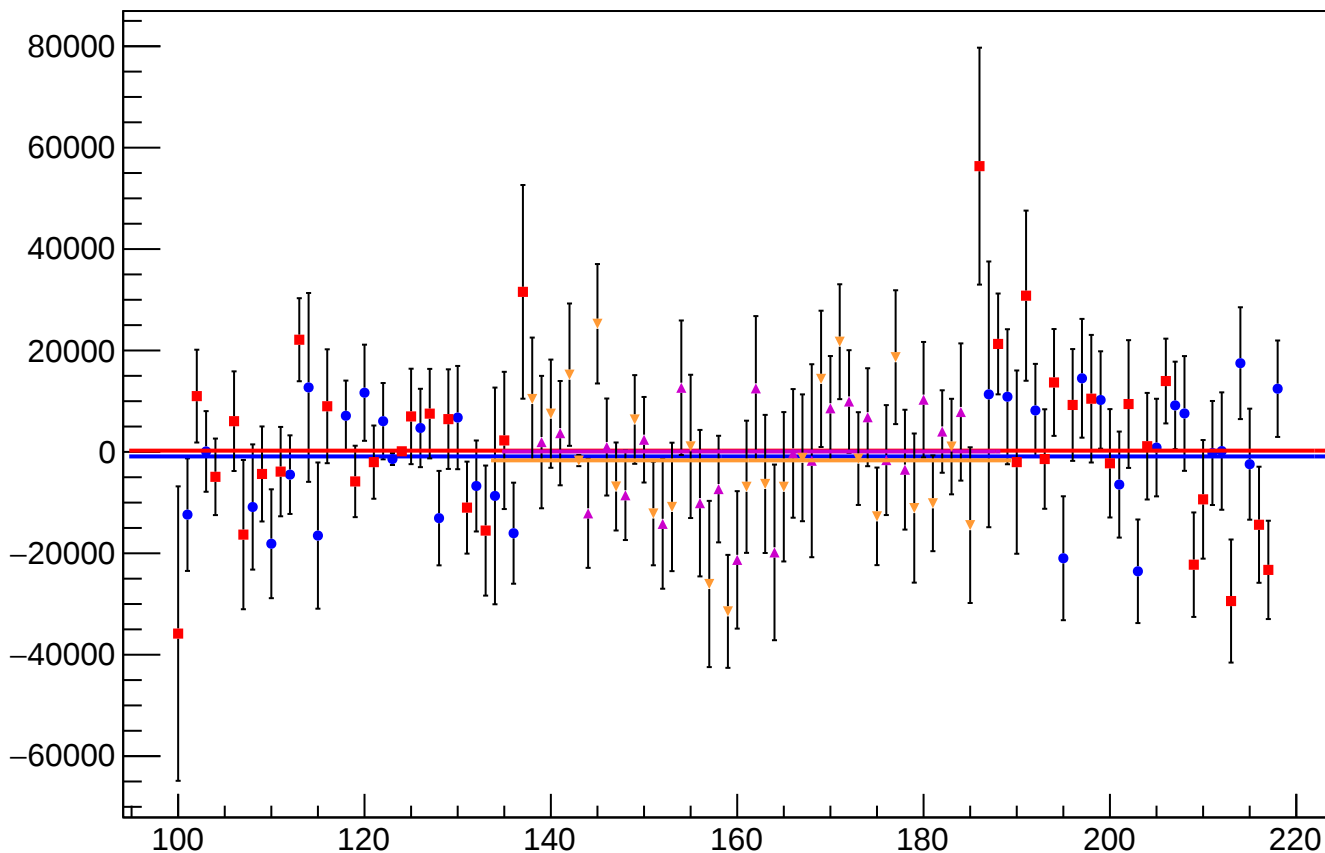
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF:668398.2/22

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

All: 2302.483 $\pm$ 0.194 χ^2 /NDF: 3675843.1/11

- sign 2301.751 $\pm$ 0.274 χ^2 /NDF: 1546409.5/58

asym_atl2_correction_mean vs Slug



Right In: -895.666 $\pm$ 981.439 χ^2 /NDF: 35.7/32

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

Right Out: 246.729 $\pm$ 674.049 χ^2 /NDF: 59.7/35

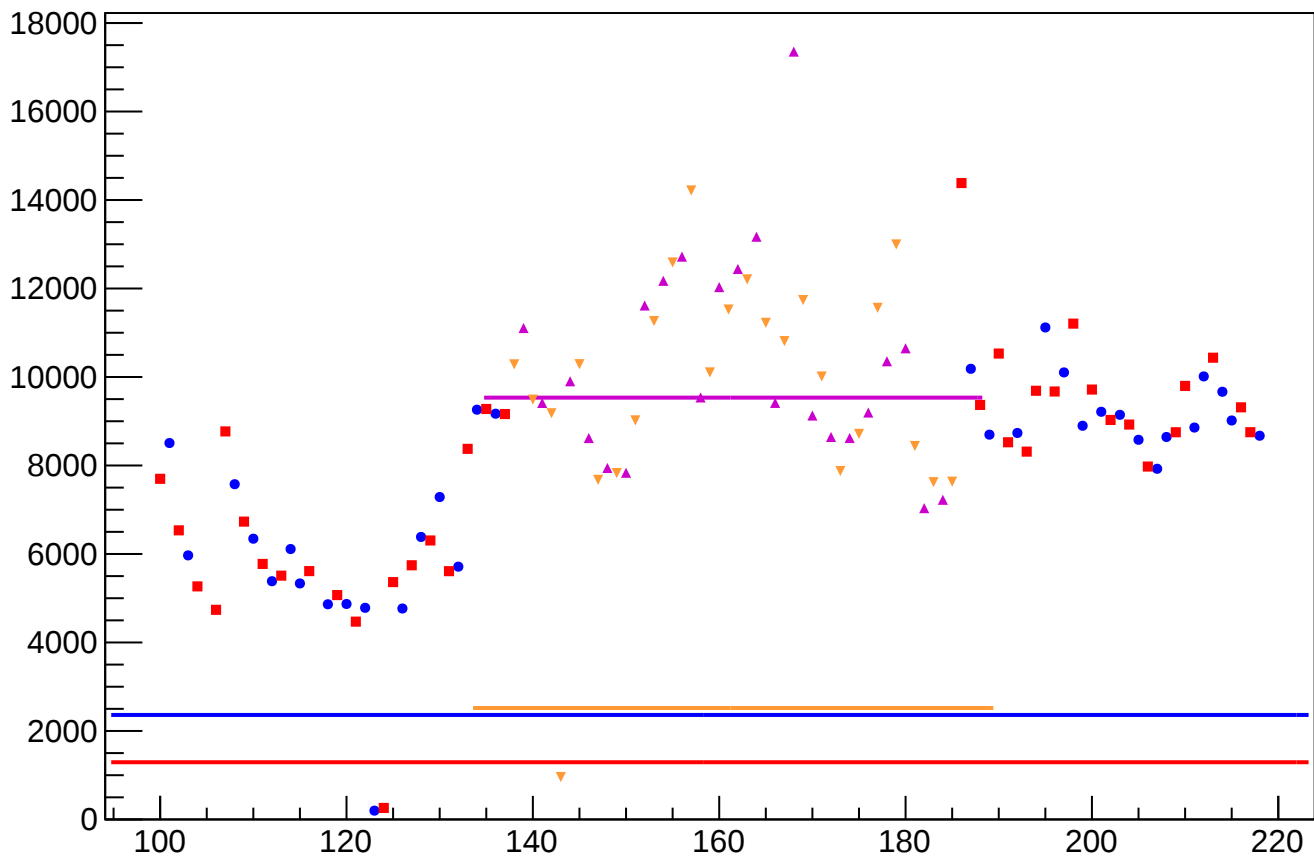
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

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

All: -464.448 $\pm$ 474.731 χ^2 /NDF: 144.5/116

- sign 233.890 $\pm$ 647.532 χ^2 /NDF: 73.6/58

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: 1293.281+/-0.477 χ^2/NDF : 29763893.7/35

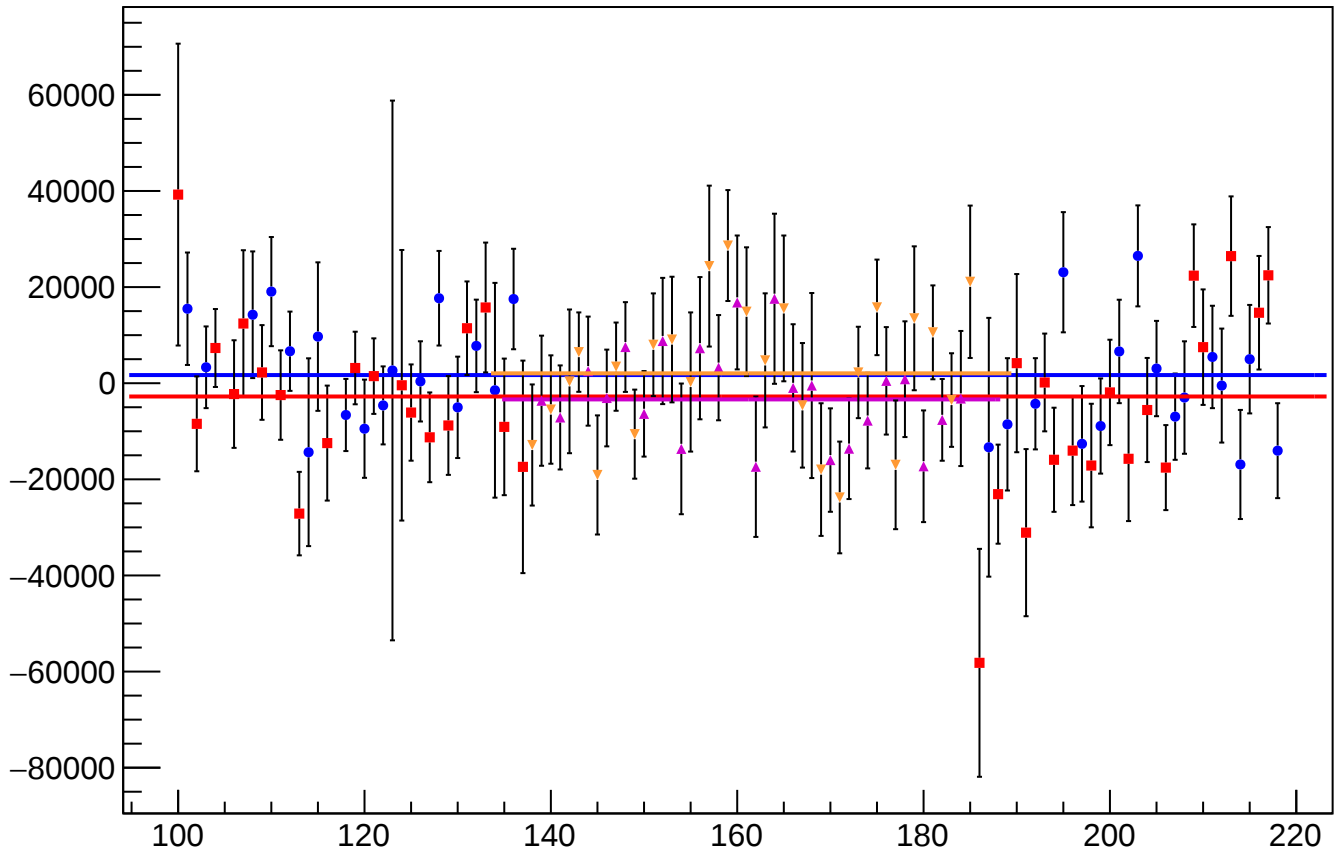
Left In: 9533.563+/-1.649 χ^2/NDF : 1316640.0/22

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

All: 2165.200+/-0.336 χ^2/NDF : 102955331.1

- sign 1928.878+/-0.458 χ^2/NDF : 54135838.0/58

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: -2763.244+/-1844.110 χ^2/NDF : 60.4/35

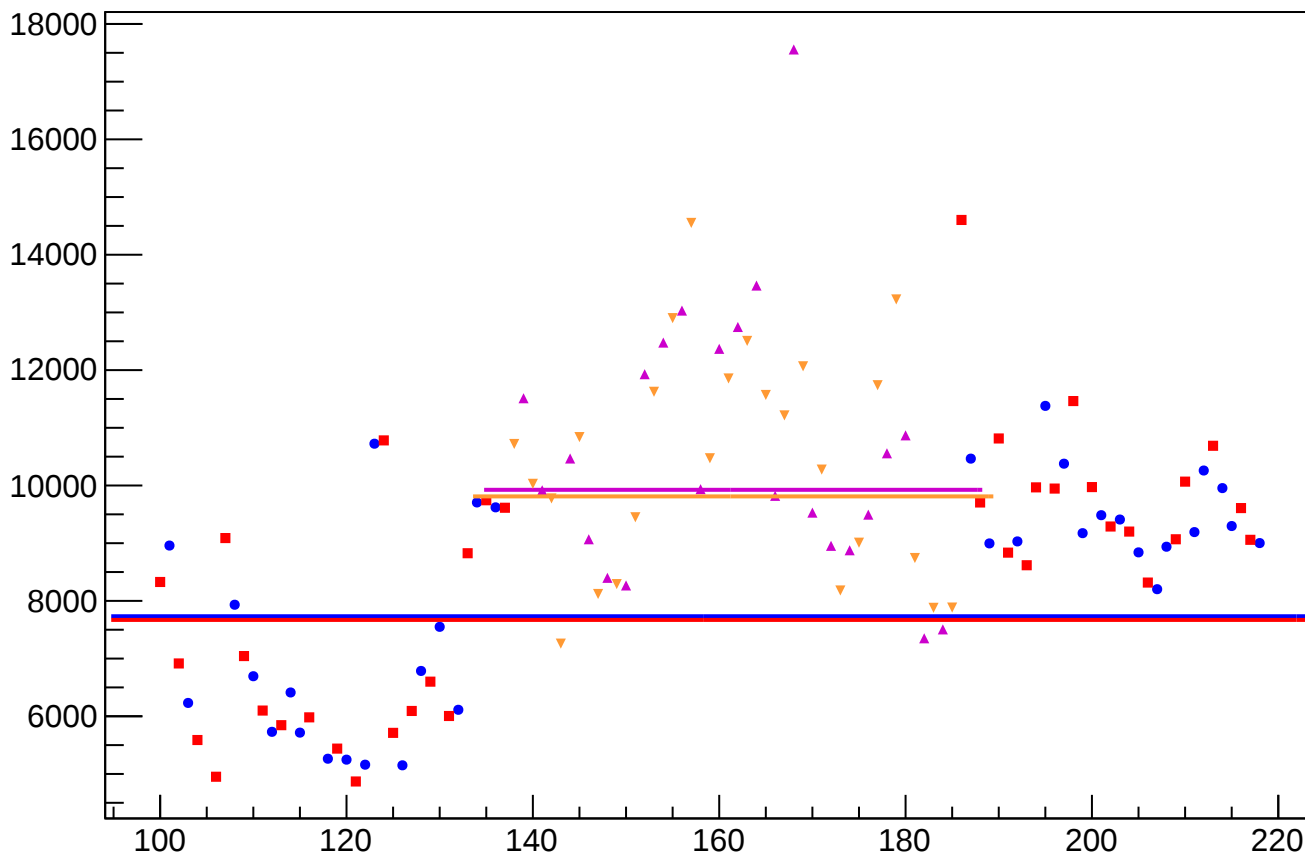
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

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

All: -563.023+/-1035.146 χ^2/NDF : 143.6/116

- sign -2986.475+/-1467.497 χ^2/NDF : 73.5/58

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: 7669.945+/-1.304 χ^2/NDF : 2384010.4/35

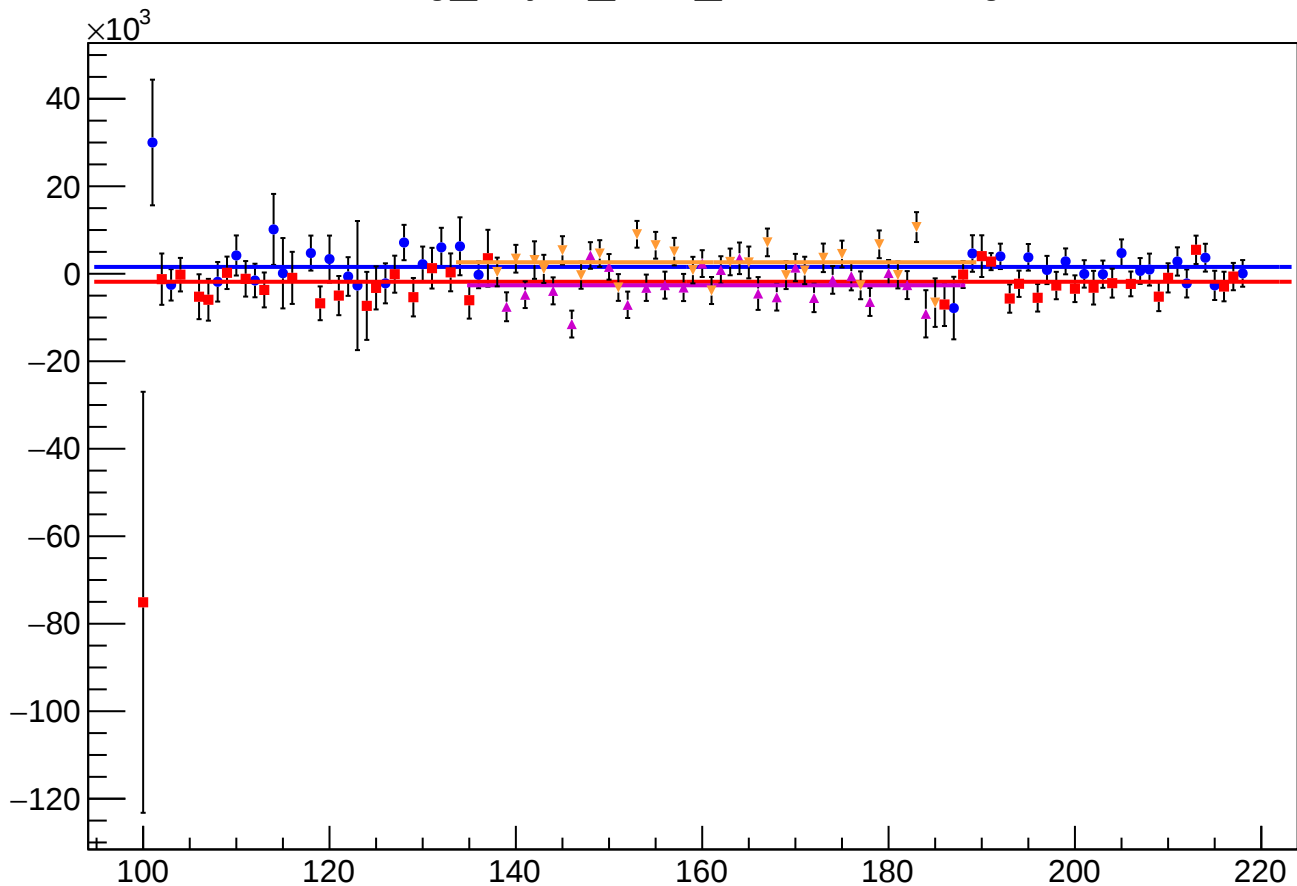
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

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

All: 8522.226+/-0.732 χ^2/NDF : 8840831.7/11

- sign 8497.037+/-1.038 χ^2/NDF : 4692745.0/58

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: -1827.539 $\pm$ 621.710 χ^2 /NDF: 28.4/35

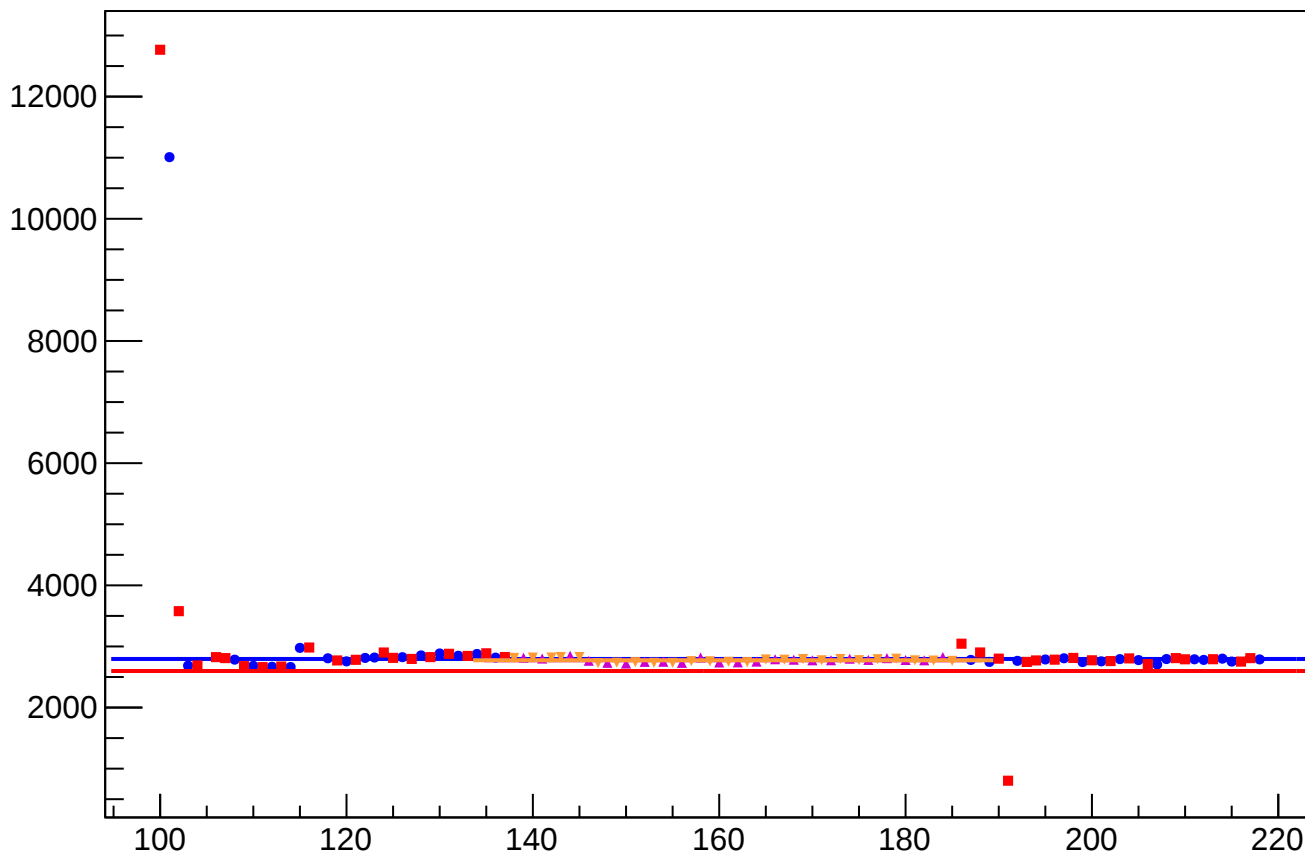
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

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

All: -86.318 $\pm$ 323.954 χ^2 /NDF: 168.0/116

- sign -2206.078 $\pm$ 454.012 χ^2 /NDF: 64.5/58

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: 2598.312+/-0.440 χ^2/NDF : 2036679.0/35

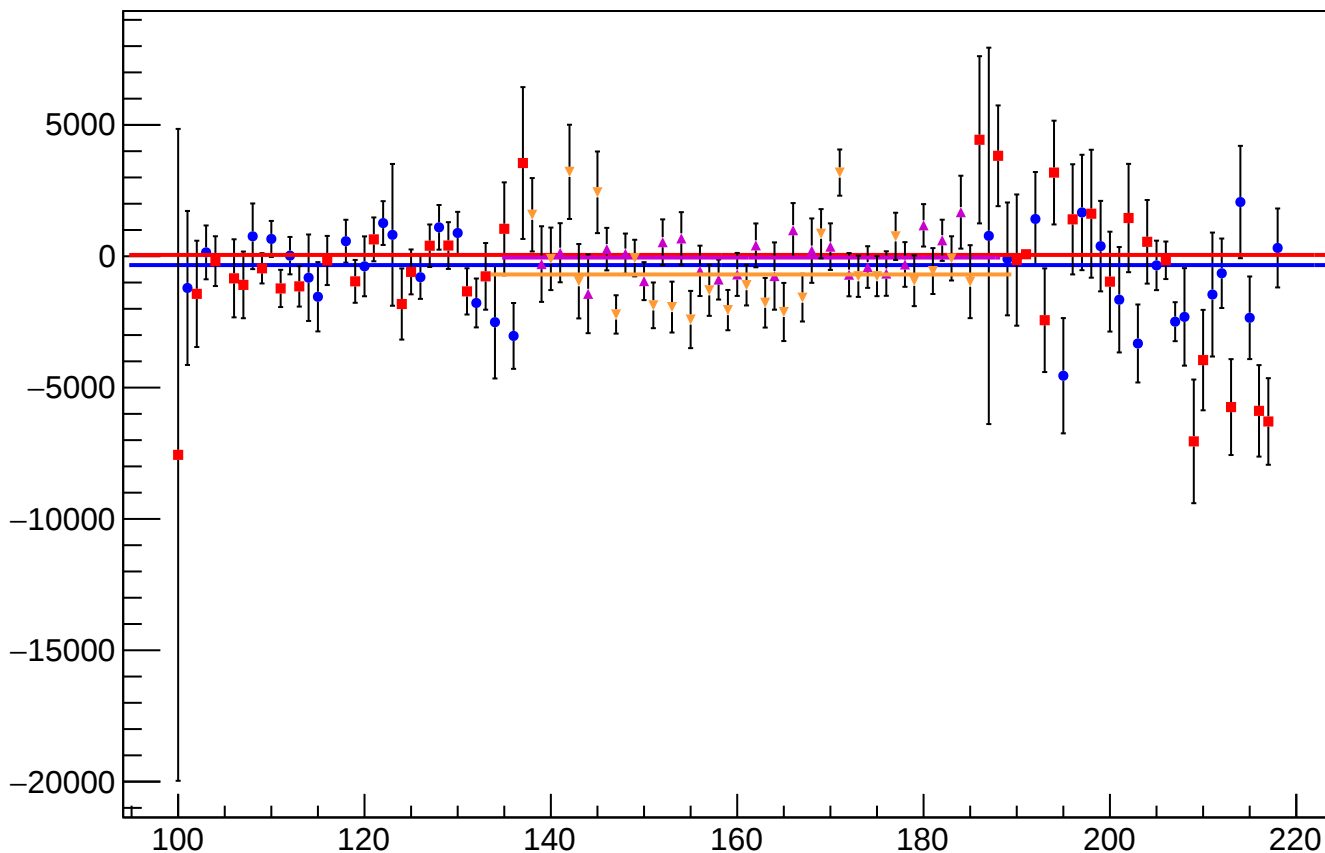
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

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

All: 2731.353+/-0.229 χ^2/NDF : 2840464.9/11

- sign 2680.325+/-0.321 χ^2/NDF : 2116235.5/58

asym_atr1_correction_mean vs Slug



Right In: -335.960 $\pm$ 203.844 χ^2 /NDF: 46.1/32

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

Right Out: 50.602 $\pm$ 37.784 χ^2 /NDF: 80.2/35

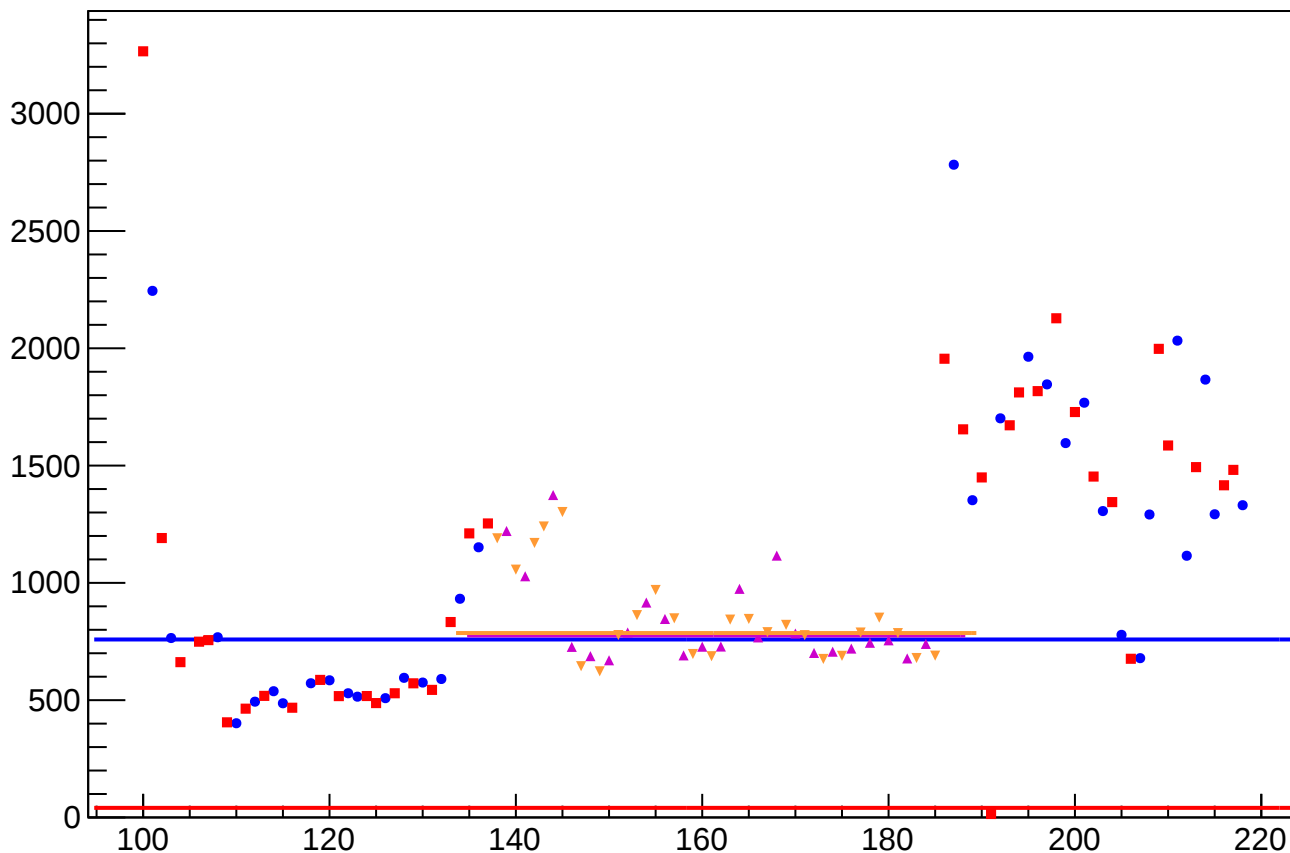
Left In: -49.244 $\pm$ 189.190 χ^2 /NDF: 13.6/22

+ sign -529.453 $\pm$ 137.918 χ^2 /NDF: 103.7/57

All: 7.984 $\pm$ 35.783 χ^2 /NDF: 214.1/116

- sign 46.773 $\pm$ 37.052 χ^2 /NDF: 94.1/58

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: 40.875+/-0.027 χ^2/NDF : 33616349.9/35

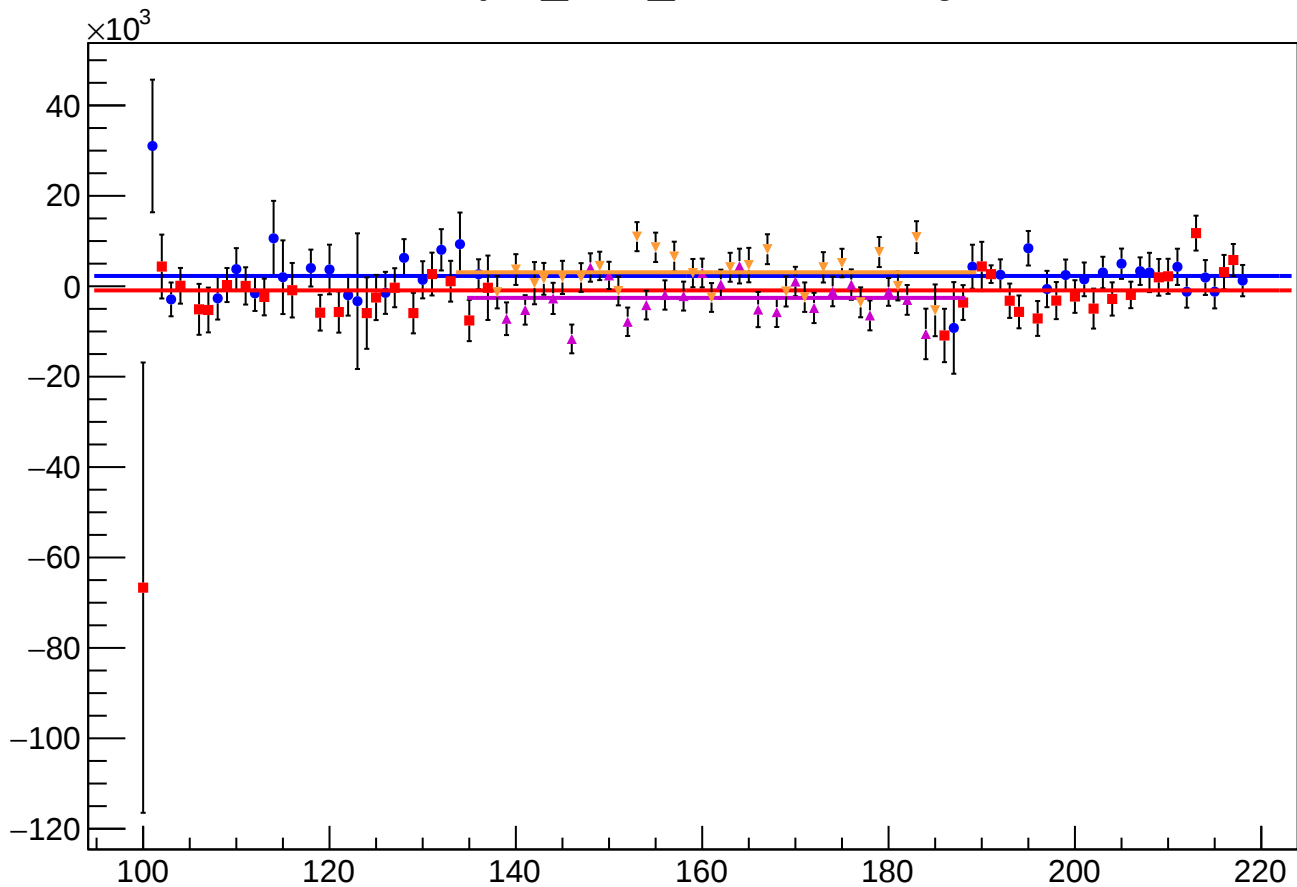
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

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

All: 116.493+/-0.025 χ^2/NDF : 121249476.8/100

- sign 69.068+/-0.026 χ^2/NDF : 63705931.0/58

asym_atr1_mean vs Slug



Right In: 2277.660 ± 733.592 χ^2/NDF : 22.2/32

Left Out: 3094.826 ± 678.510 χ^2/NDF : 38.7/24

Right Out: -915.583 ± 684.670 χ^2/NDF : 42.0/35

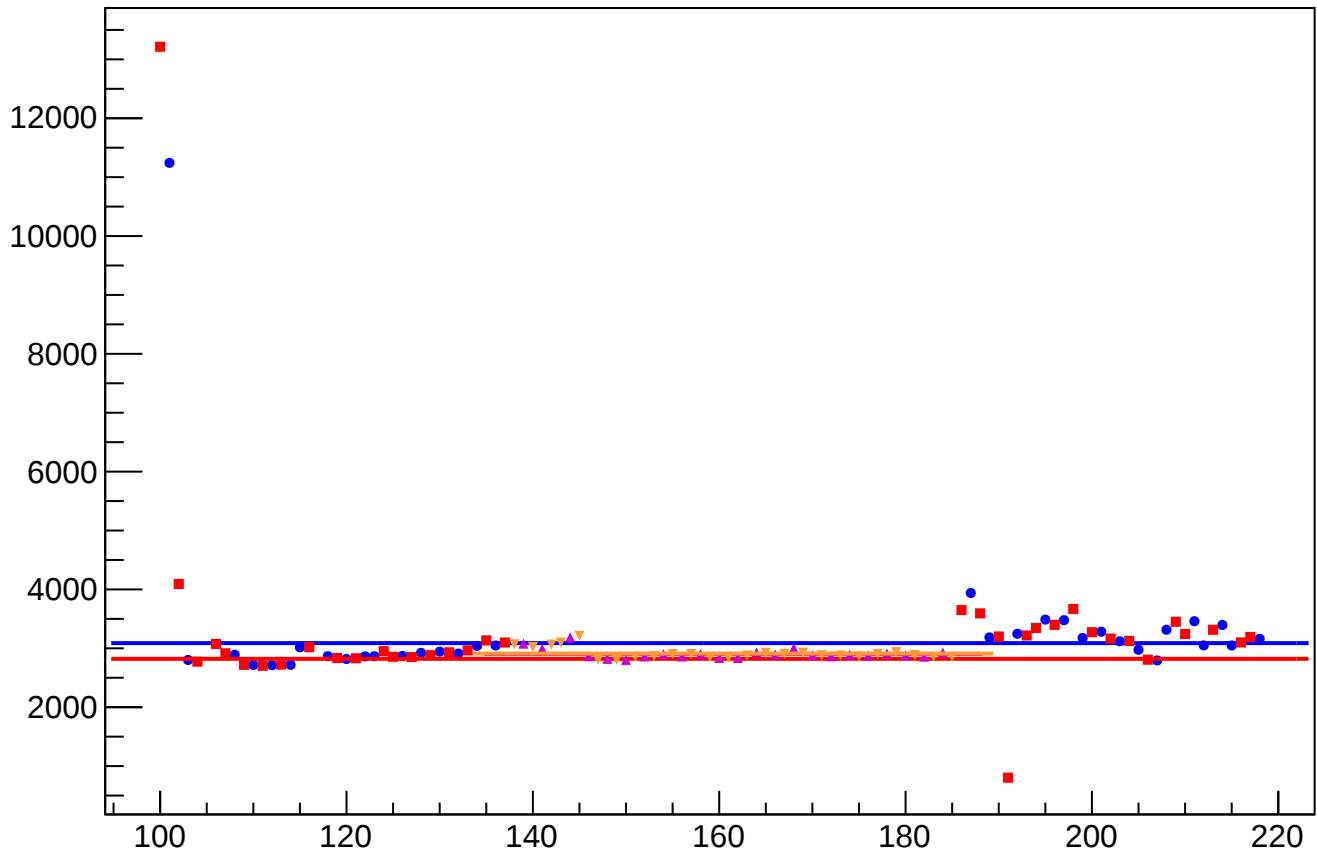
Left In: -2573.184 ± 695.795 χ^2/NDF : 35.7/22

+ sign 2718.070 ± 498.115 χ^2/NDF : 61.5/57

All: 447.982 ± 348.597 χ^2/NDF : 182.8/116

- sign -1731.027 ± 488.020 χ^2/NDF : 80.6/58

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: 2821.501+/-0.484 χ^2/NDF : 2843359.5/35

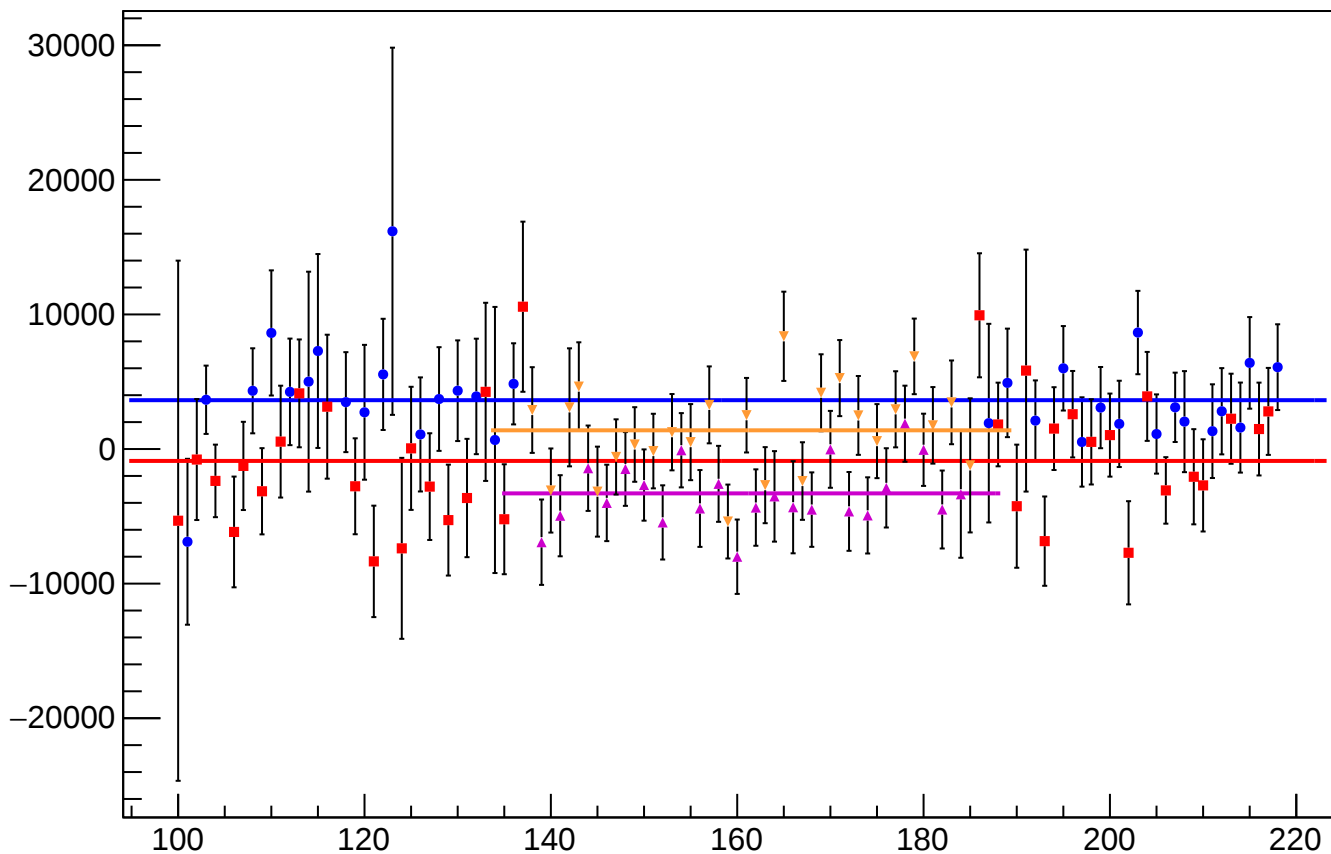
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

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

All: 2925.976+/-0.246 χ^2/NDF : 3879287.6/11

- sign 2861.796+/-0.345 χ^2/NDF : 2886279.4/58

reg_asym_atr2_mean vs Slug



Right In: 3628.888+/-637.782 χ^2/NDF : 14.1/32

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

Right Out: -884.014+/-626.144 χ^2/NDF : 38.1/35

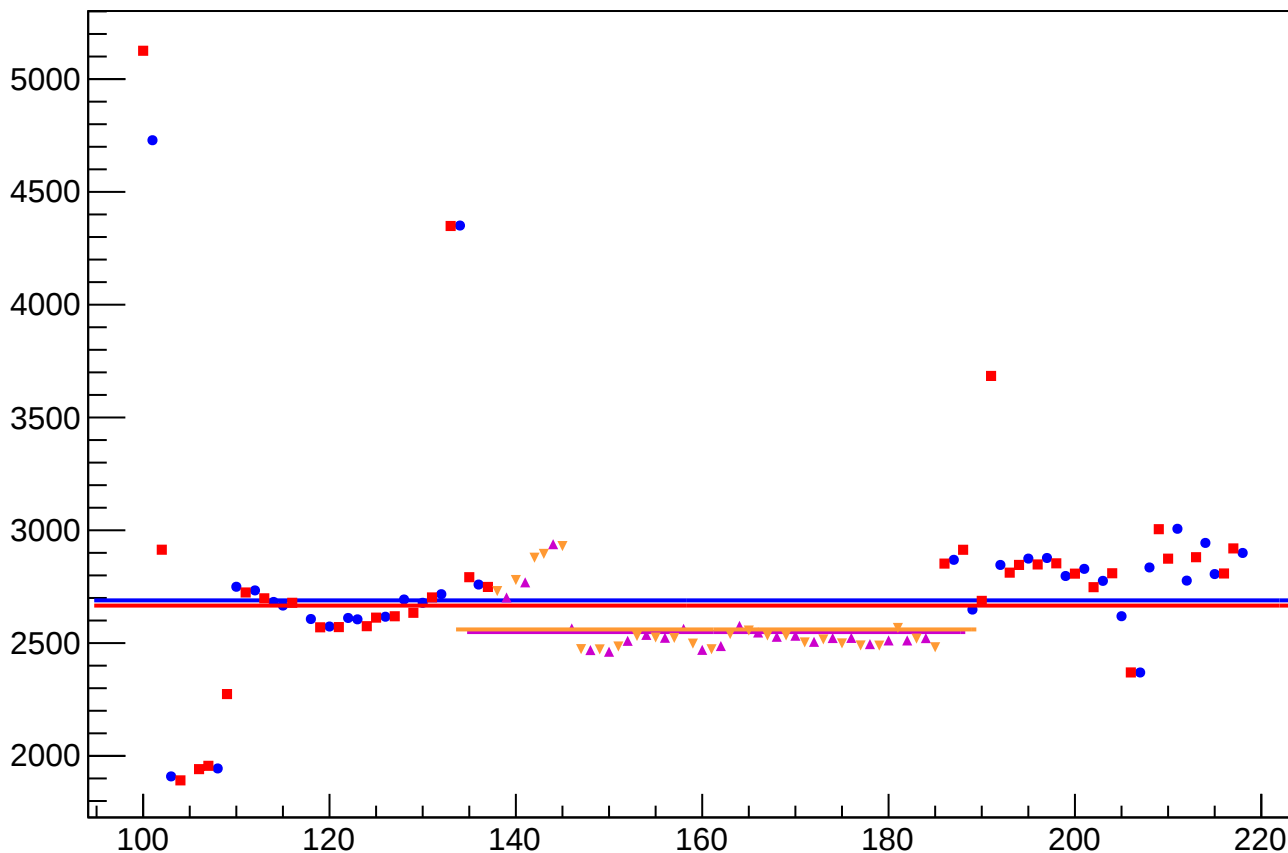
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2434.822+/-435.659 χ^2/NDF : 49.8/57

All: 163.439+/-308.505 χ^2/NDF : 164.9/116

- sign -2121.195+/-436.928 χ^2/NDF : 60.6/58

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: 2666.226 $\pm$ 0.443 χ^2 /NDF: 678652.1/35

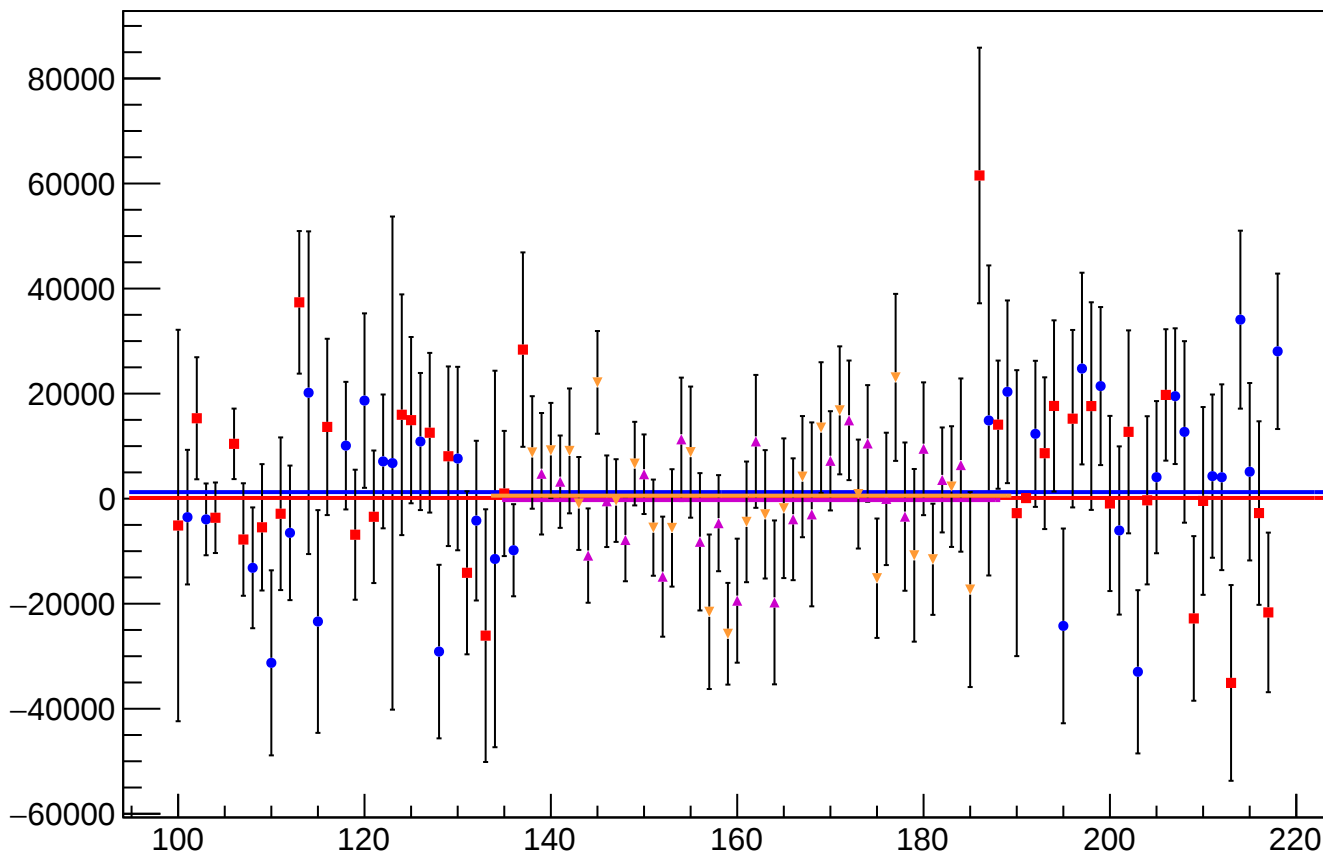
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

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

All: 2613.354 $\pm$ 0.218 χ^2 /NDF: 1586422.9/11

- sign 2606.015 $\pm$ 0.309 χ^2 /NDF: 769964.9/58

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: 134.348 $\pm$ 194.877 χ^2 /NDF: 41.9/35

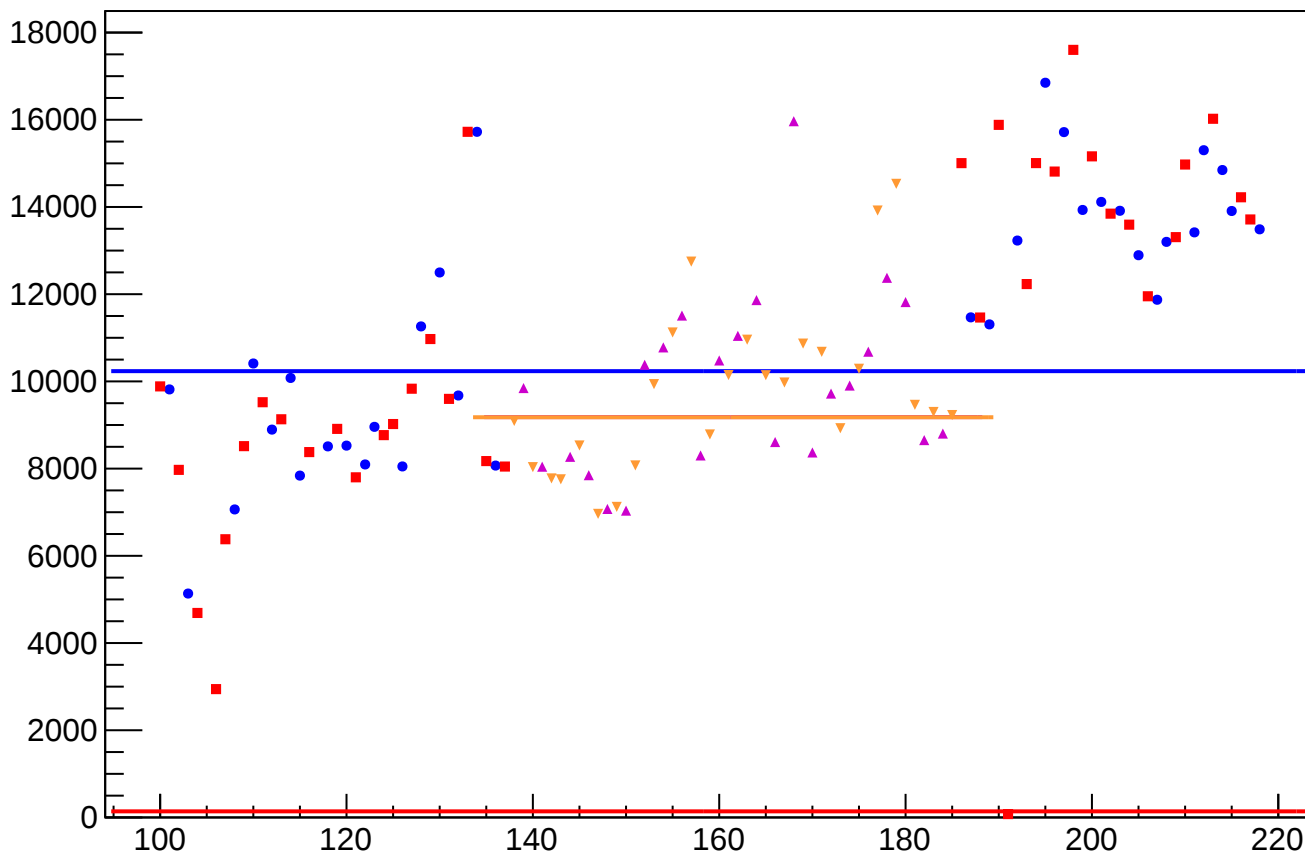
Left In: -275.116 $\pm$ 2242.836 χ^2 /NDF:15.7/22

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

All: 141.201 $\pm$ 192.820 χ^2 /NDF: 123.7/116

- sign 131.280 $\pm$ 194.146 χ^2 /NDF: 57.6/58

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: 140.023+/-0.138 χ^2/NDF : 35722179.7/35

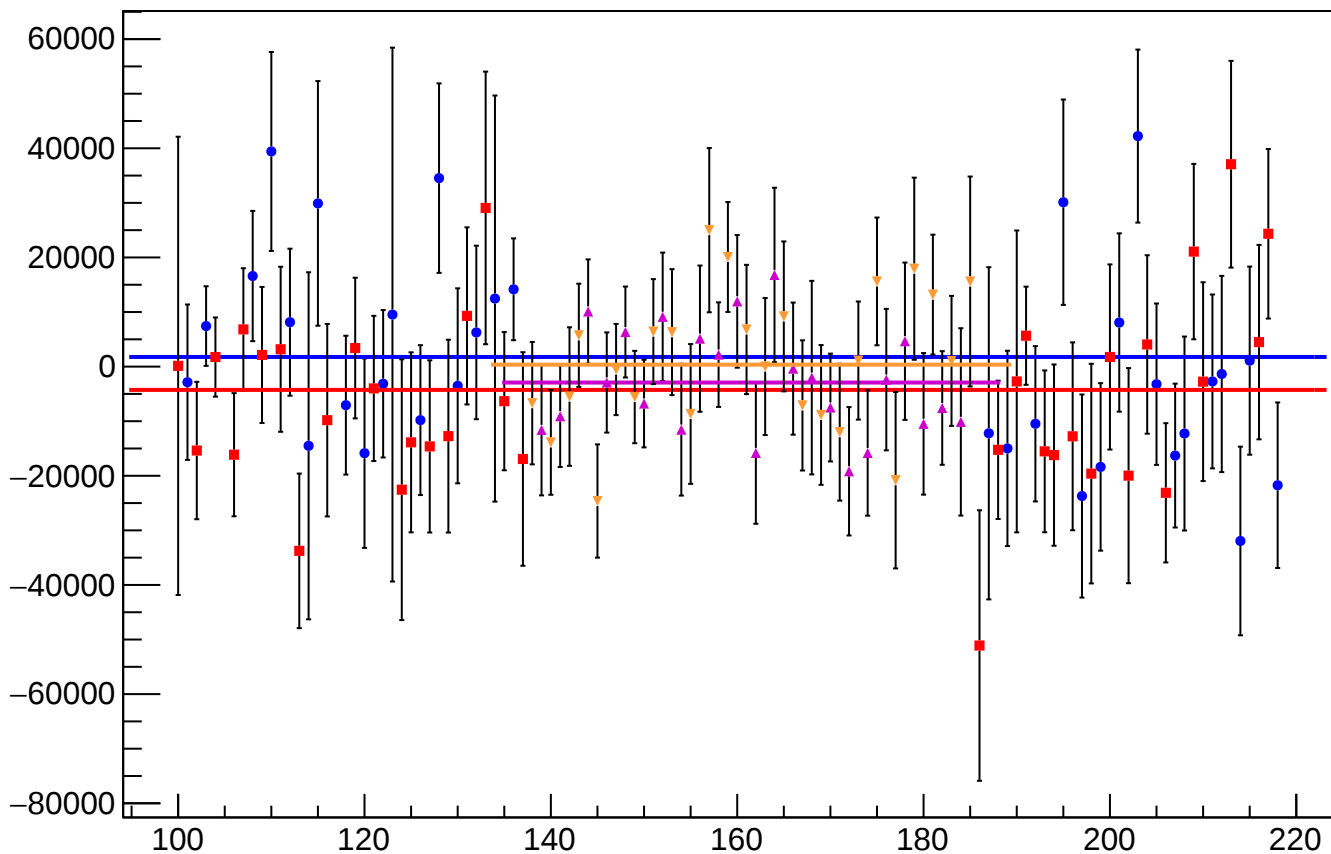
Left In: 9181.254+/-1.586 χ^2/NDF :1236469.7/22

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

All: 336.044+/-0.136 χ^2/NDF : 138061562.2/1

- sign 207.769+/-0.137 χ^2/NDF : 69215622.0/58

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: -4265.012 $\pm$ 2441.360 χ^2 /NDF: 34.9/35

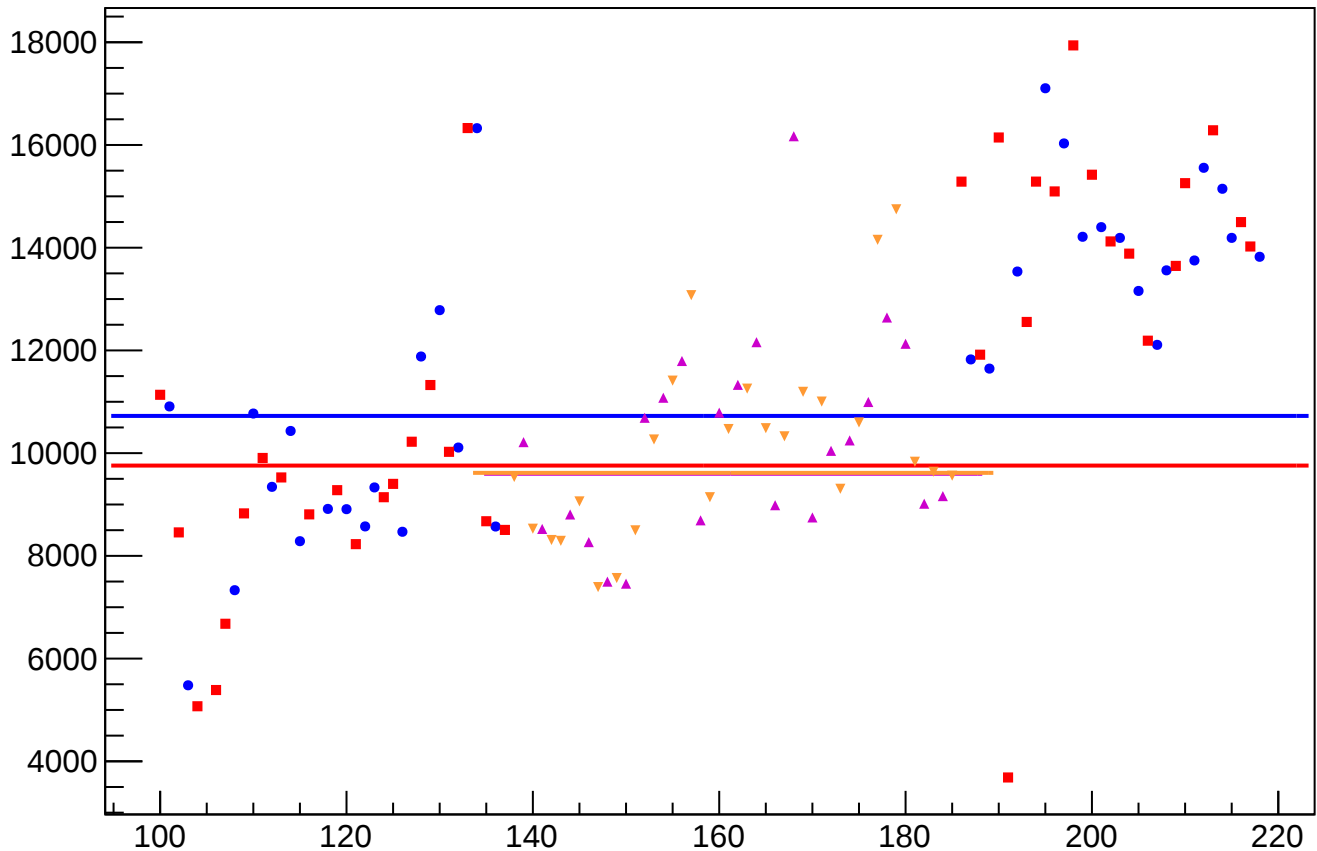
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF:14.9/22

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

All: -1348.669 $\pm$ 1206.678 χ^2 /NDF: 119.8/11

- sign -3562.707 $\pm$ 1688.748 χ^2 /NDF: 50.0/58

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: 9757.965+/-1.726 χ^2/NDF : 4882113.4/35

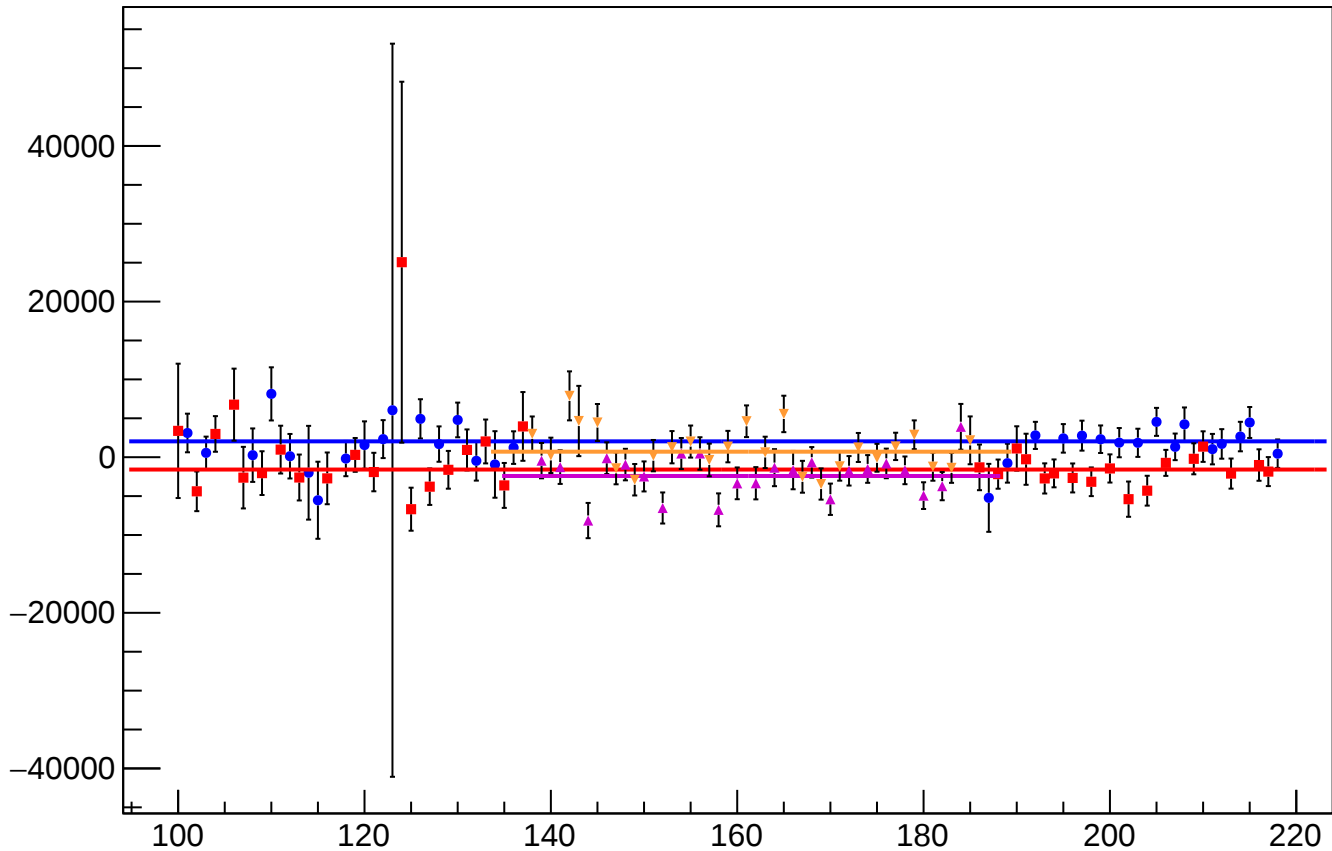
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

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

All: 9878.677+/-0.853 χ^2/NDF : 10261208.0/100

- sign 9674.820+/-1.194 χ^2/NDF : 5968733.5/58

reg_asym_atl_avg_mean vs Slug



Right In: 2037.255 ± 393.379 χ^2/NDF : 23.0/32

Left Out: 709.722 ± 417.377 χ^2/NDF : 34.8/24

Right Out: -1586.150 ± 394.465 χ^2/NDF : 31.5/35

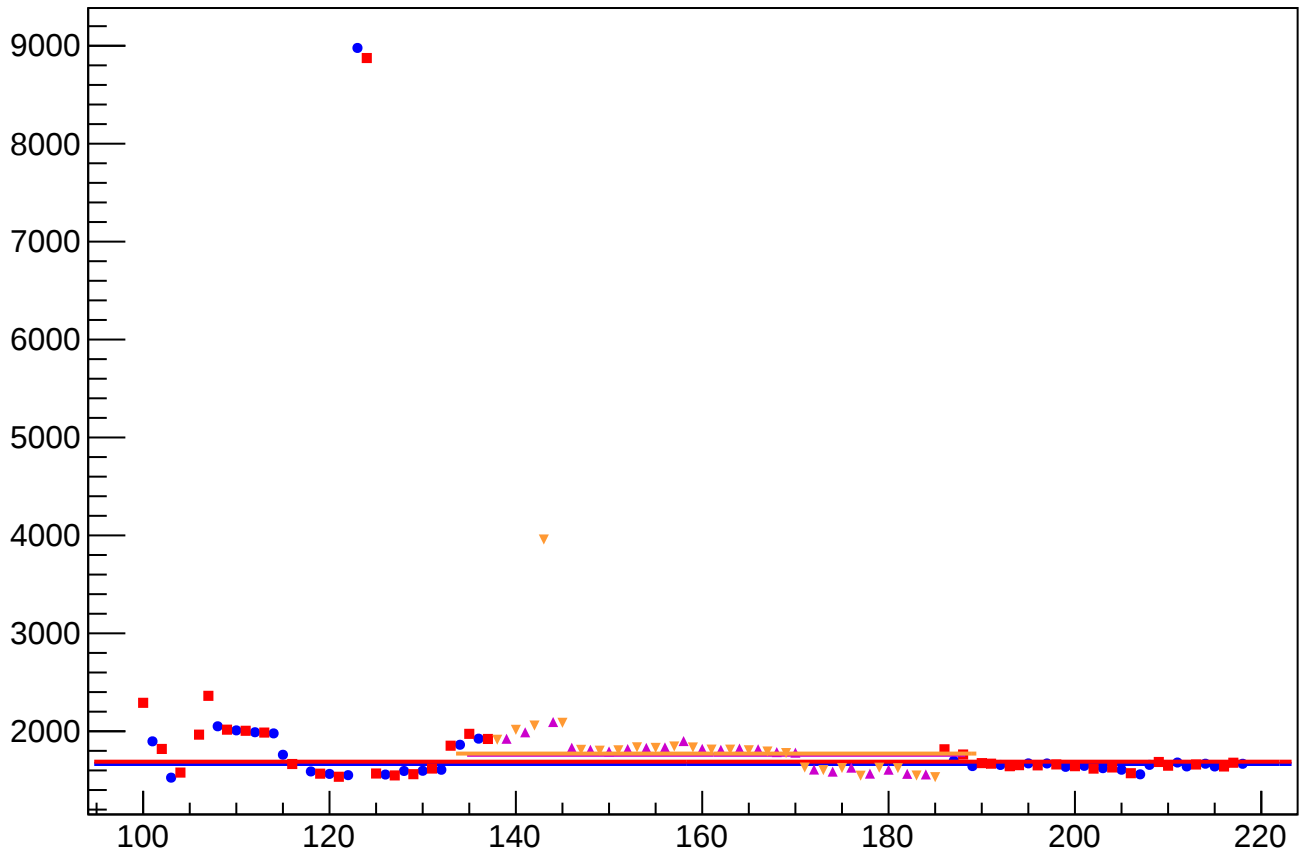
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1412.749 ± 286.269 χ^2/NDF : 63.2/57

All: -265.227 ± 203.256 χ^2/NDF : 200.0/116

- sign -1971.102 ± 288.639 χ^2/NDF : 67.5/58

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: 1689.331+/-0.278 χ^2/NDF : 439466.2/35

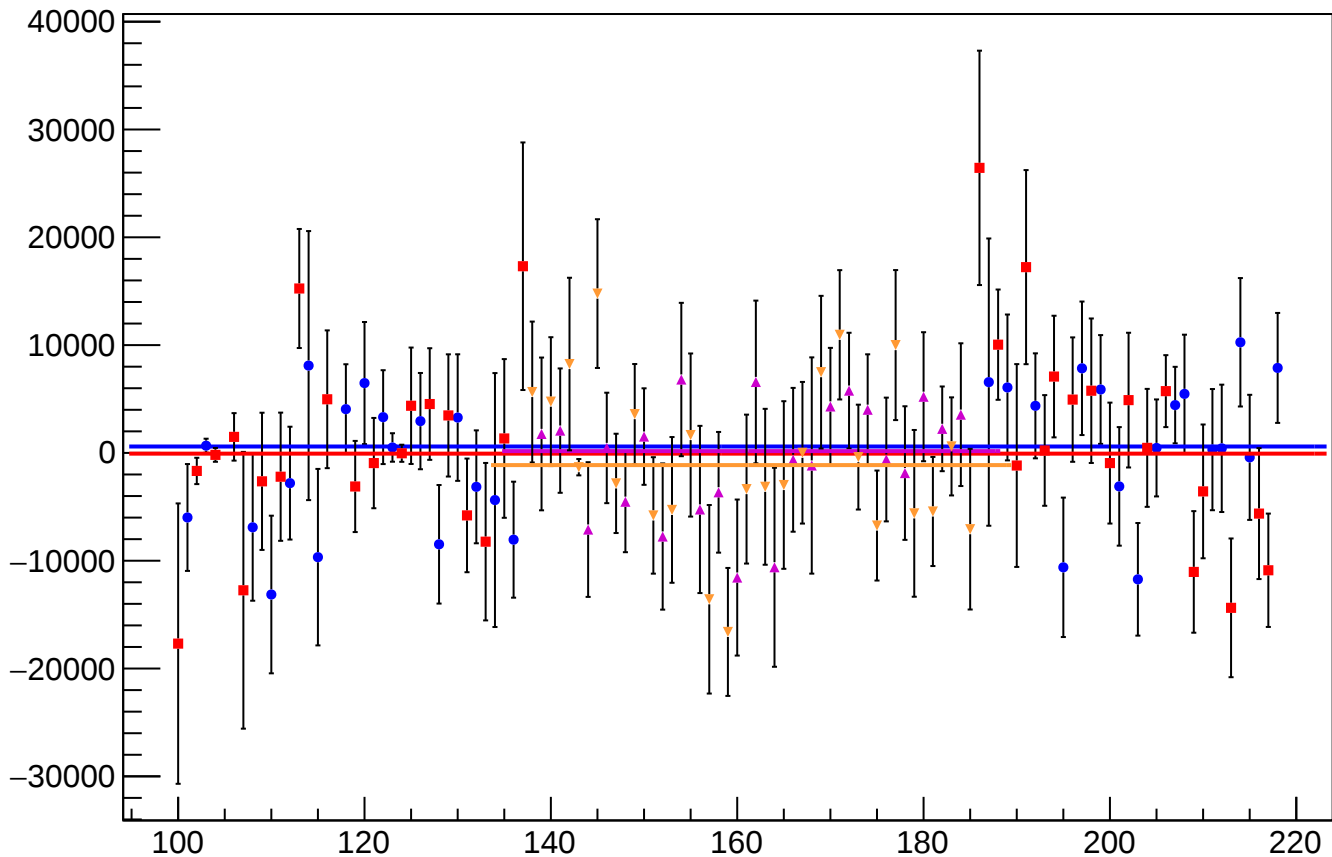
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

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

All: 1718.835+/-0.144 χ^2/NDF : 1671971.5/11

- sign 1721.923+/-0.204 χ^2/NDF : 683884.4/58

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: -67.325 $\pm$ 413.995 χ^2 /NDF: 55.4/35

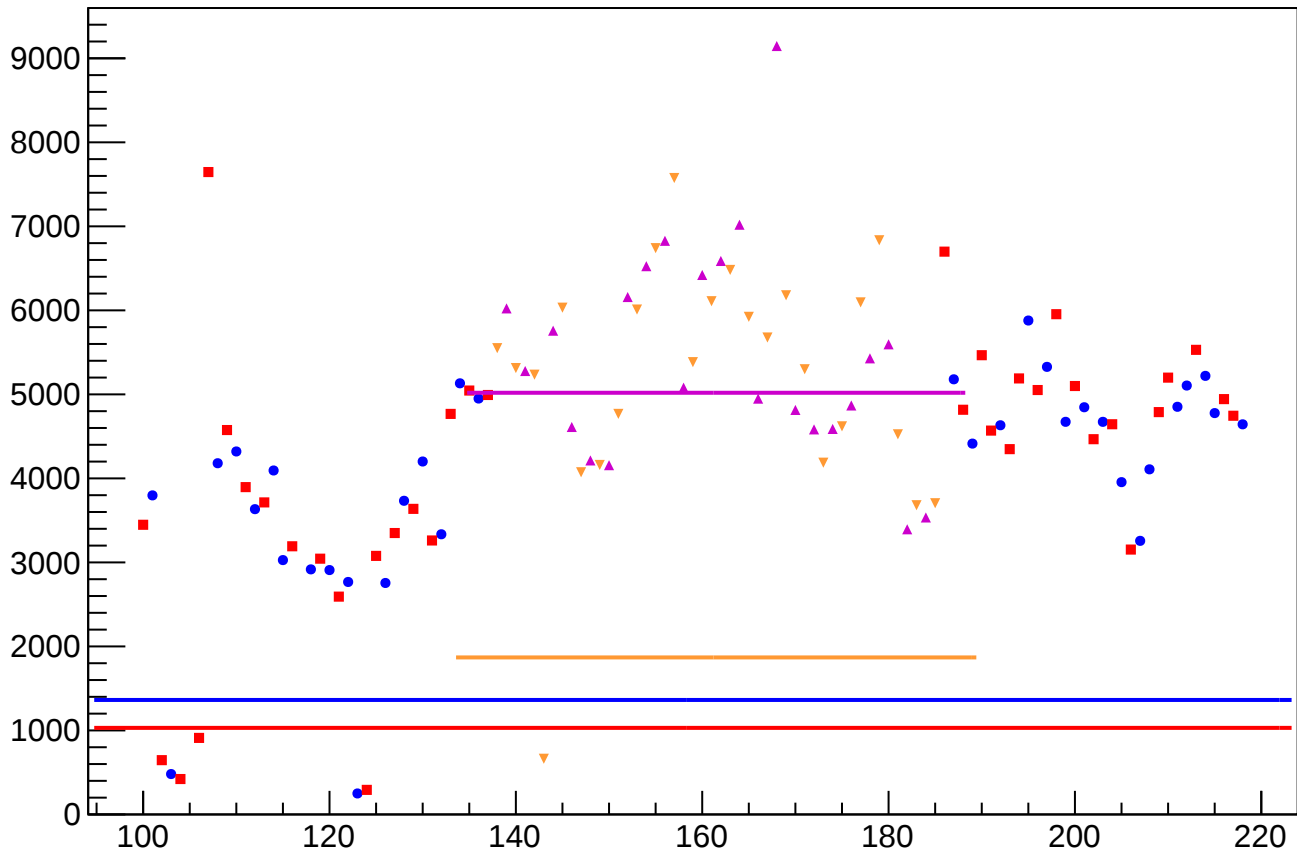
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

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

All: -47.828 $\pm$ 279.011 χ^2 /NDF: 142.6/116

- sign -43.445 $\pm$ 392.444 χ^2 /NDF: 69.5/58

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: 1030.541+/-0.293 χ^2/NDF : 23988170.5/35

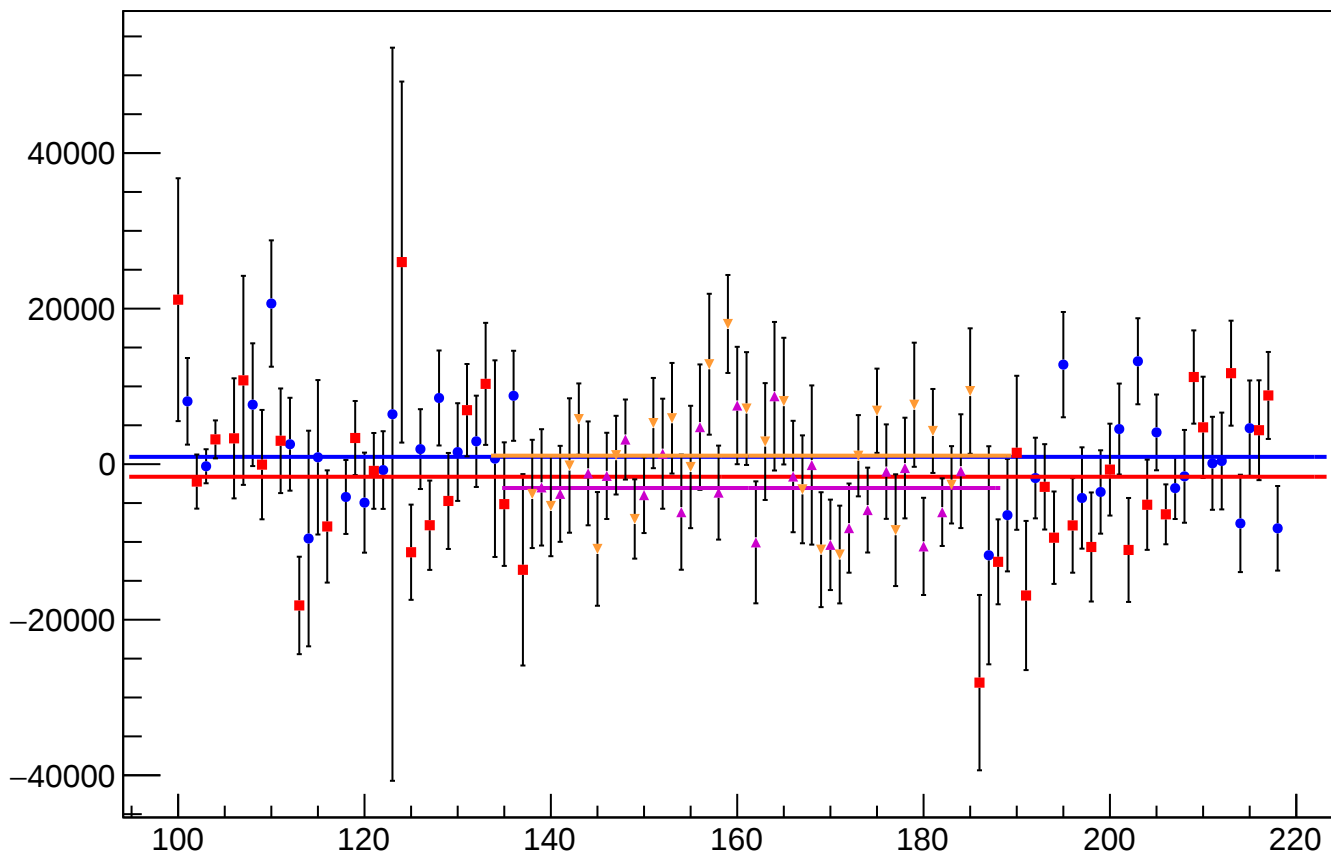
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

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

All: 1493.244+/-0.197 χ^2/NDF : 86359144.0/100

- sign 1434.987+/-0.277 χ^2/NDF : 44381534.2/58

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: -1618.414 ± 975.195 χ^2/NDF : 62.0/35

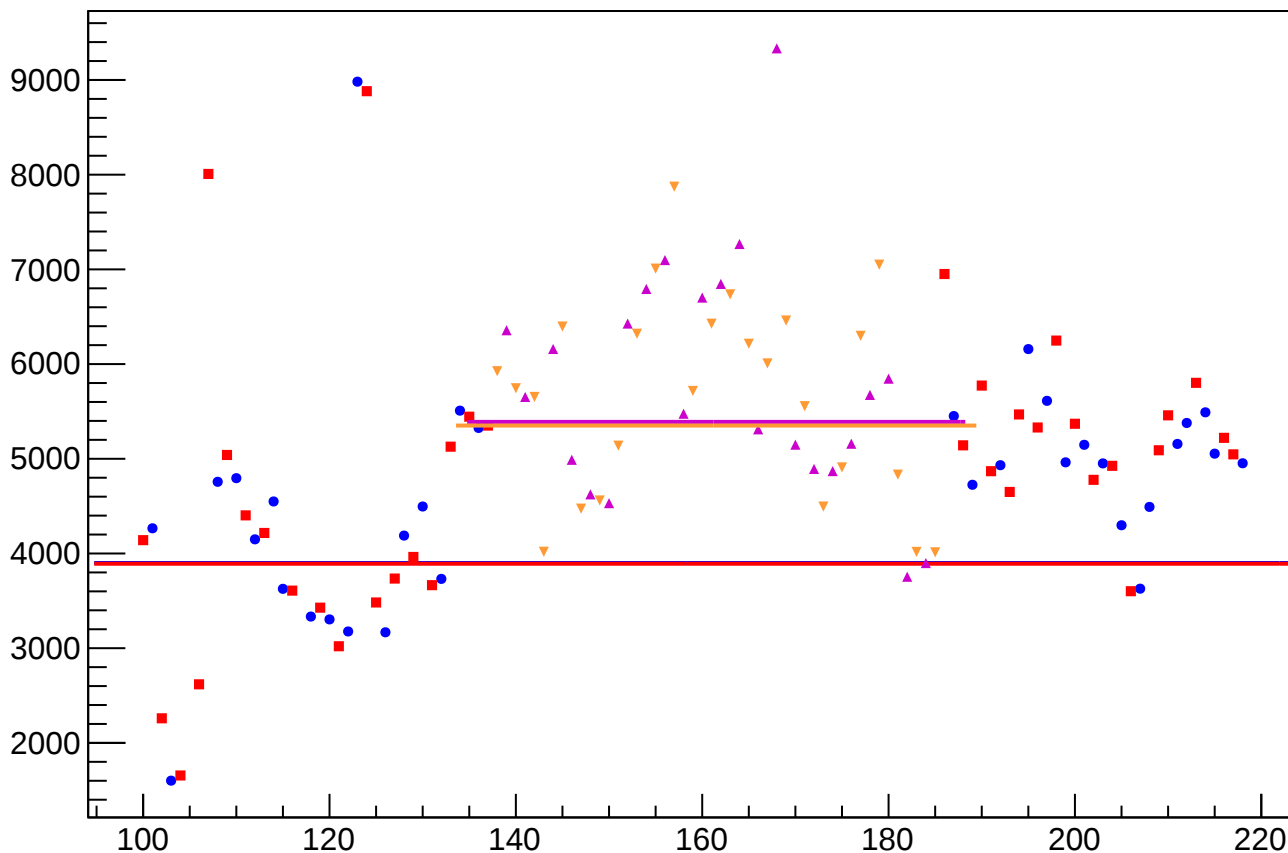
Left In: -3064.775 ± 1318.173 χ^2/NDF : 12.6/22

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

All: -544.378 ± 550.432 χ^2/NDF : 148.9/116

- sign -2130.020 ± 783.974 χ^2/NDF : 75.4/58

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: 3891.976+/-0.684 χ^2/NDF : 4460195.0/35

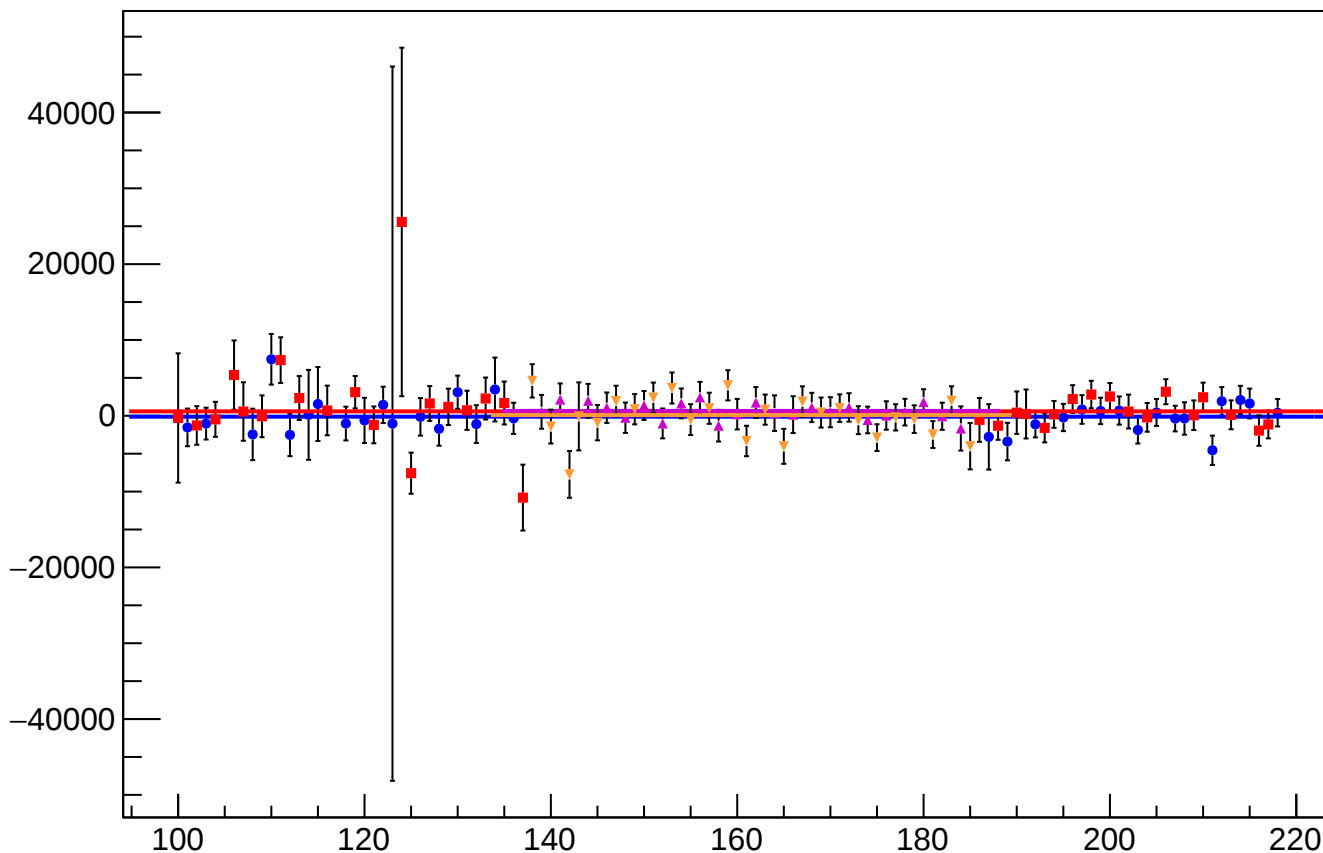
Left In: 5389.724+/-0.932 χ^2/NDF :1309863.0/22

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

All: 4425.304+/-0.388 χ^2/NDF : 14184442.2/100

- sign 4415.995+/-0.551 χ^2/NDF : 7448714.9/58

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: 583.825 ± 388.827 χ^2/NDF : 39.3/35

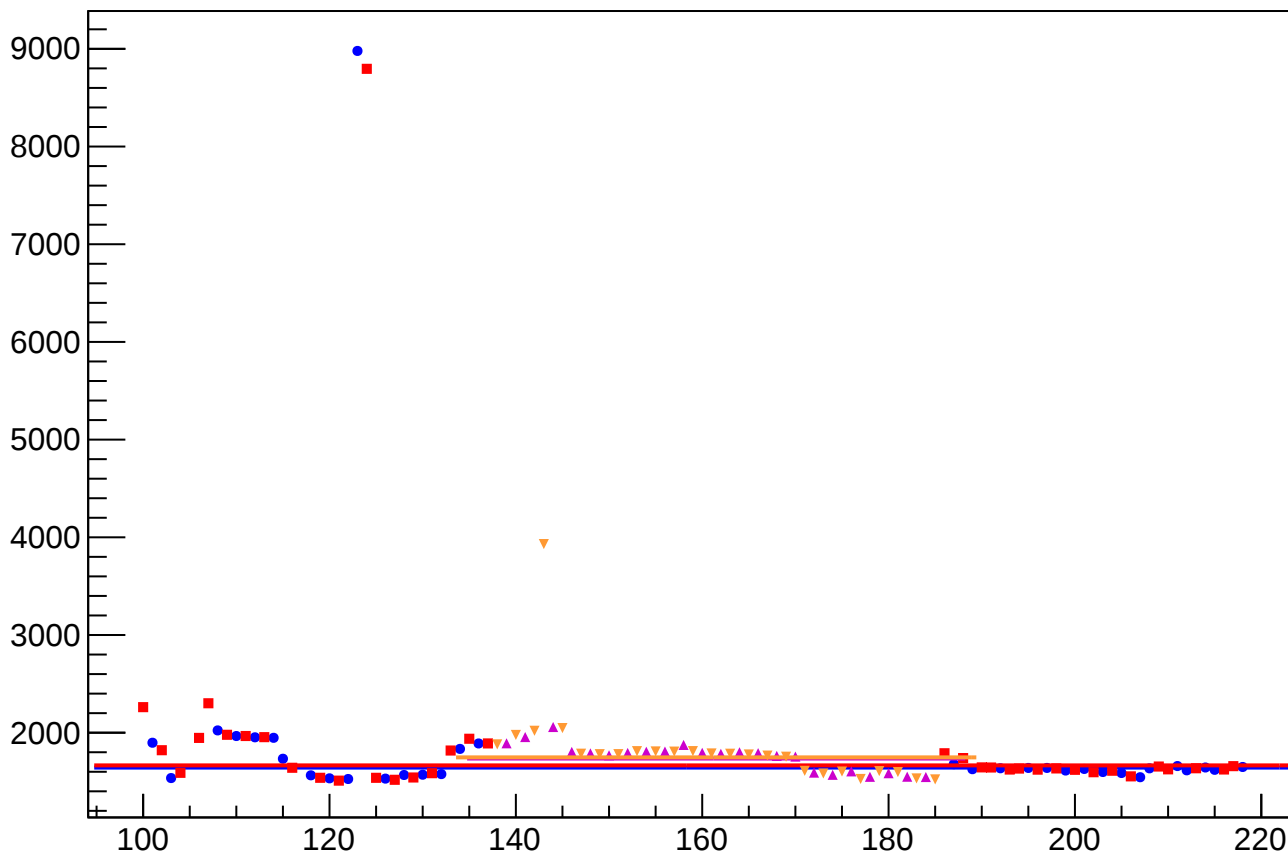
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

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

All: 291.309 ± 200.418 χ^2/NDF : 108.3/116

- sign 610.017 ± 284.585 χ^2/NDF : 45.5/58

reg_asym_atl_dd_rms vs Slug



Right In: 1642.952+/-0.274 χ^2/NDF : 213868.8/32

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

Right Out: 1665.407+/-0.275 χ^2/NDF : 434883.3/35

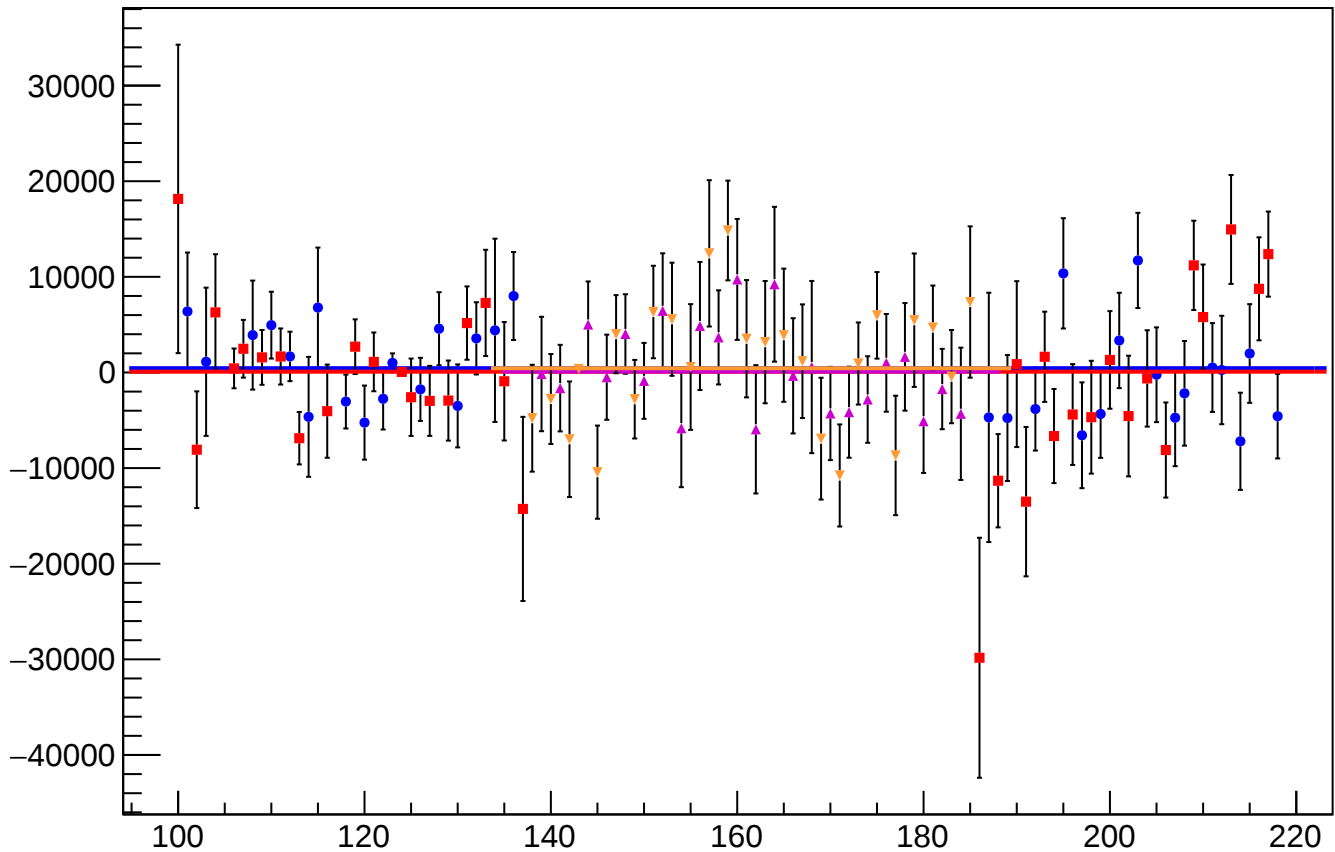
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1692.062+/-0.200 χ^2/NDF : 980167.7/57

All: 1694.969+/-0.142 χ^2/NDF : 1652499.1/11

- sign 1697.918+/-0.201 χ^2/NDF : 671904.2/58

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: 80.996 $\pm$ 345.036 χ^2 /NDF: 65.4/35

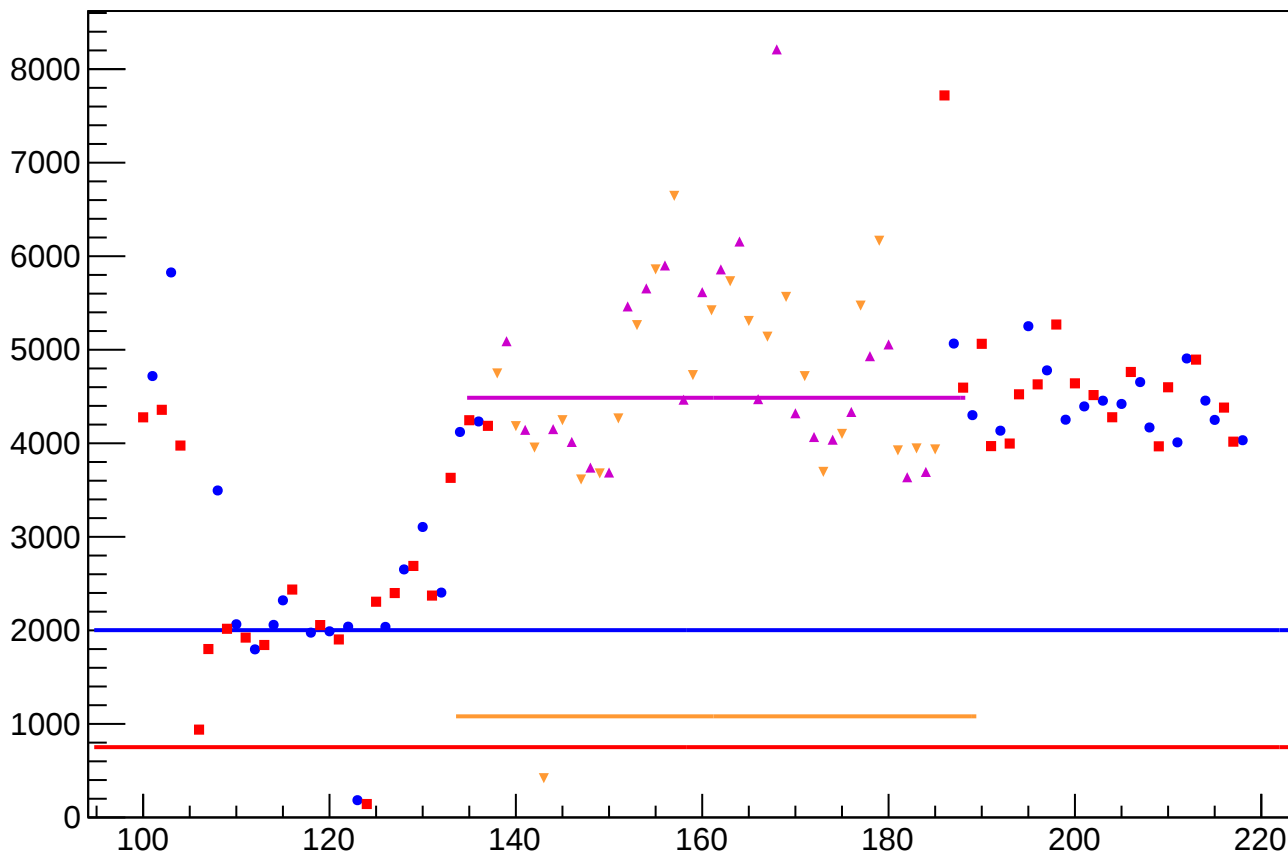
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

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

All: 247.119 $\pm$ 242.651 χ^2 /NDF: 147.0/116

- sign 81.675 $\pm$ 329.081 χ^2 /NDF: 78.9/58

asym_atl_dd_correction_rms vs Slug



Right In: 2002.330+/-0.439 χ^2/NDF : 15418724.6/32

Left Out: 1081.004+/-0.311 χ^2/NDF : 24456244.2/24

Right Out: 751.608+/-0.244 χ^2/NDF : 27463956.9/35

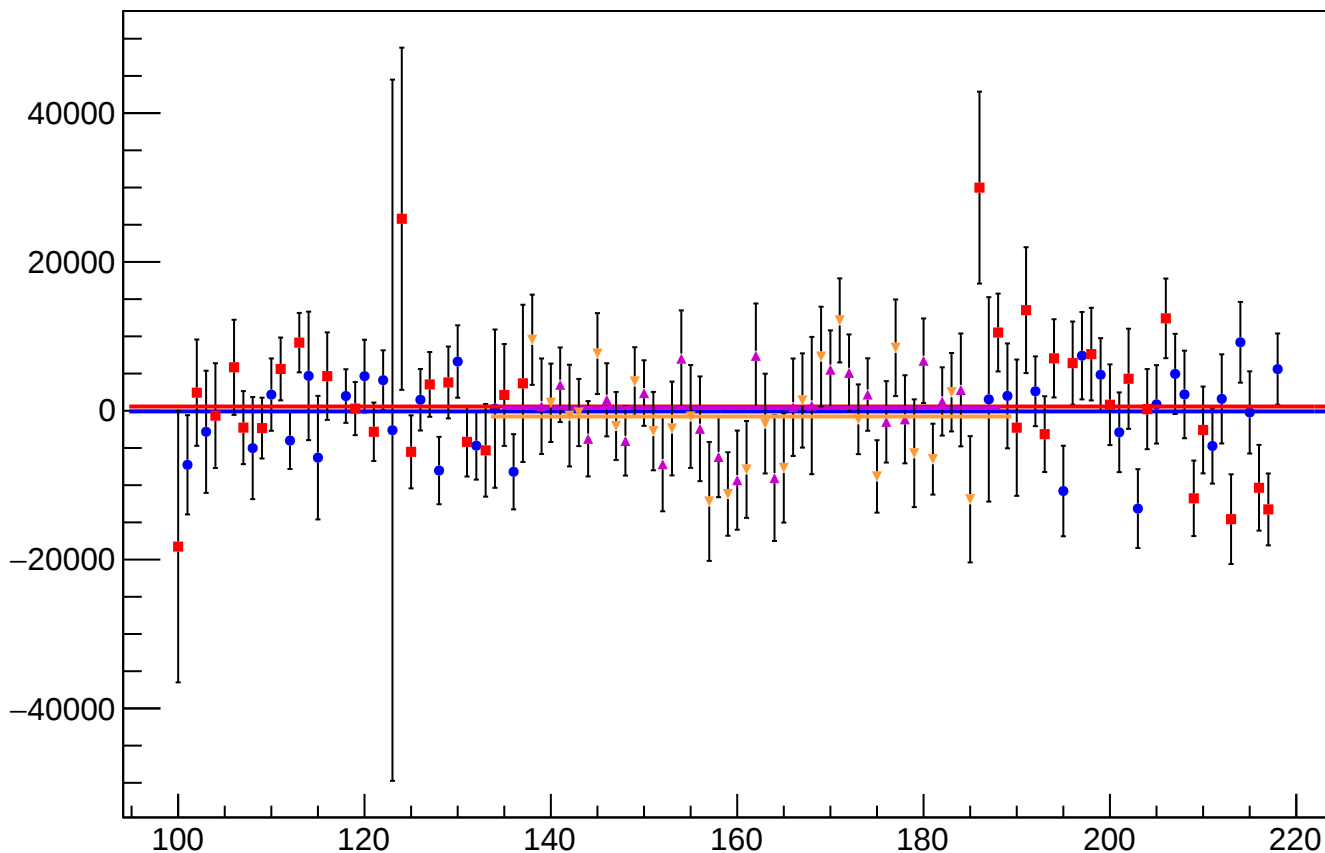
Left In: 4486.570+/-0.774 χ^2/NDF : 1181598.1/22

+ sign 1389.191+/-0.254 χ^2/NDF : 42803789.9/57

All: 1226.001+/-0.172 χ^2/NDF : 93381367.5/100

- sign 1089.044+/-0.233 χ^2/NDF : 49818395.6/58

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: 572.452 ± 914.232 χ^2/NDF : 60.9/35

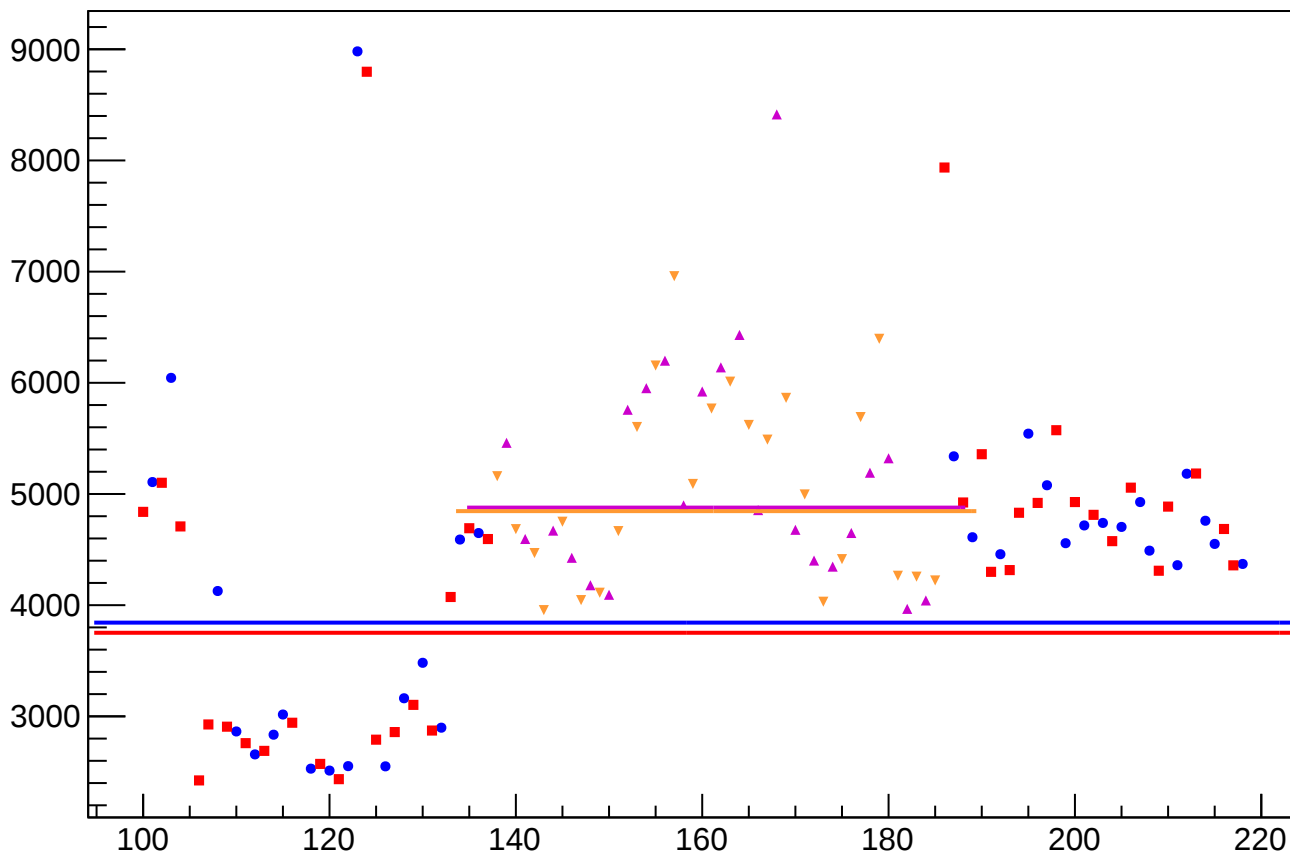
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

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

All: 74.522 ± 512.555 χ^2/NDF : 139.8/116

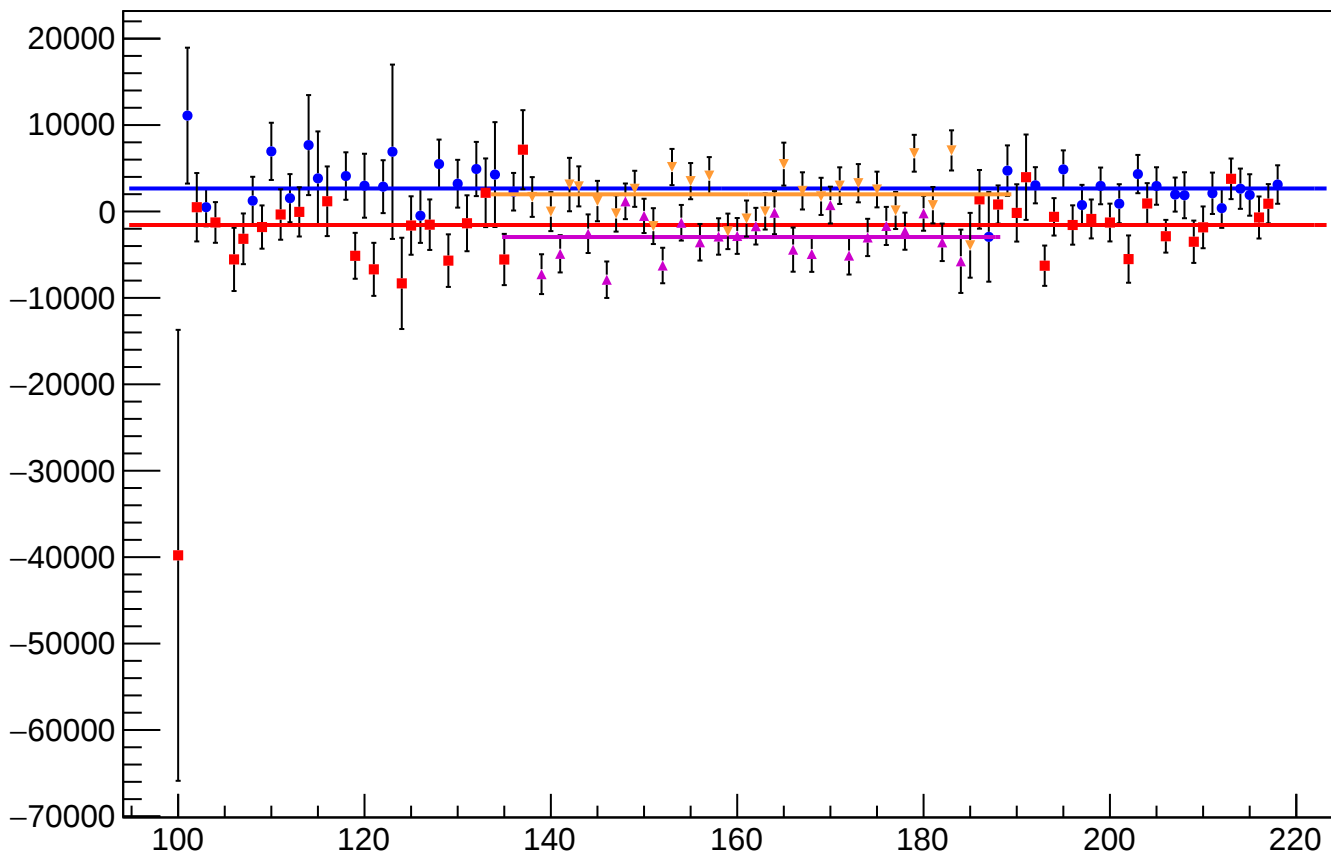
- sign 504.074 ± 724.142 χ^2/NDF : 75.1/58

asym_atl_dd_rms vs Slug



Right In: 3843.034+/-0.662	χ^2/NDF : 2455821.0/32	+ sign 4244.046+/-0.513	χ^2/NDF : 4281670.1/57
Left Out: 4845.779+/-0.811	χ^2/NDF : 909173.9/24	All: 4205.407+/-0.362	χ^2/NDF : 9303163.5/11
Right Out: 3751.710+/-0.642	χ^2/NDF : 2915419.8/35	- sign 4167.278+/-0.510	χ^2/NDF : 5010224.9/58
Left In: 4877.456+/-0.839	χ^2/NDF : 958623.2/22		

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: -1565.248+/-460.708 χ^2 /NDF: 37.8/35

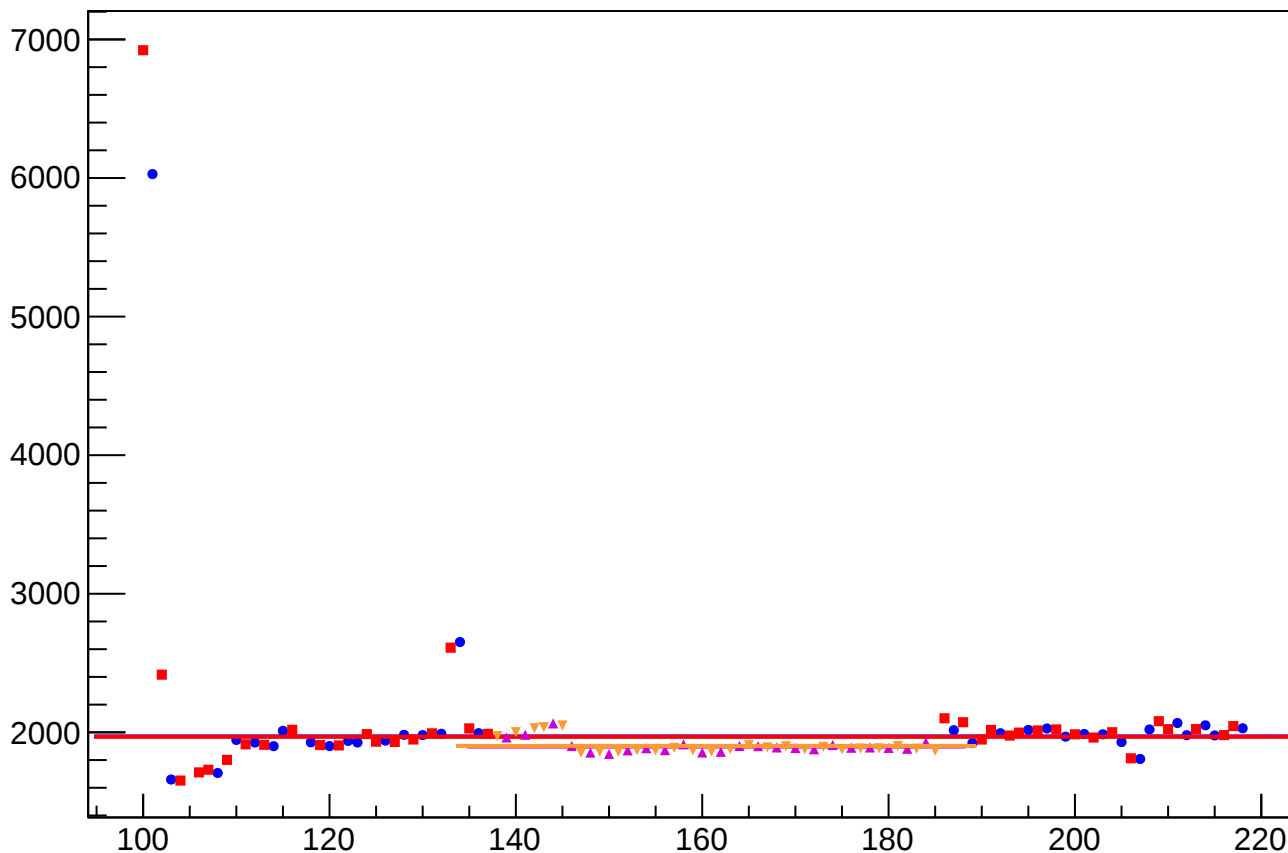
Left In: -2955.900+/-454.551 χ^2 /NDF: 28.4/22

+ sign 2305.327+/-321.484 χ^2 /NDF: 47.7/57

All: 32.500+/-228.058 χ^2 /NDF: 219.1/116

- sign -2269.929+/-323.571 χ^2 /NDF: 70.8/58

reg_asym_atr_avg_rms vs Slug



Right In: 1970.587 $\pm$ 0.330 χ^2 /NDF: 643917.6/32

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

Right Out: 1968.288 $\pm$ 0.325 χ^2 /NDF: 257486.3/35

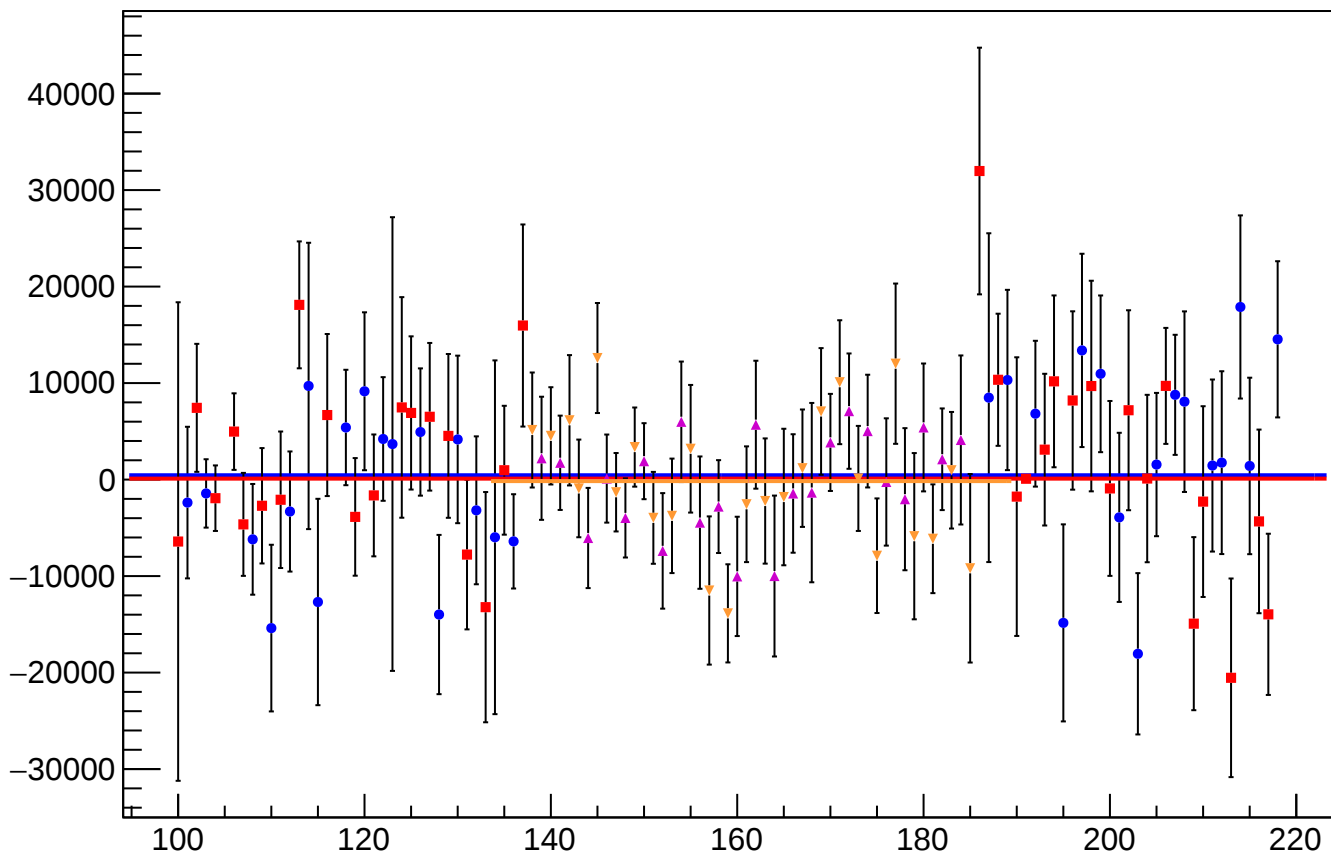
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF: 21180.1/22

+ sign 1934.436 $\pm$ 0.227 χ^2 /NDF: 697136.8/57

All: 1933.438 $\pm$ 0.161 χ^2 /NDF: 999819.9/116

- sign 1932.427 $\pm$ 0.229 χ^2 /NDF: 302644.3/58

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: 98.194 $\pm$ 109.514 χ^2 /NDF: 44.0/35

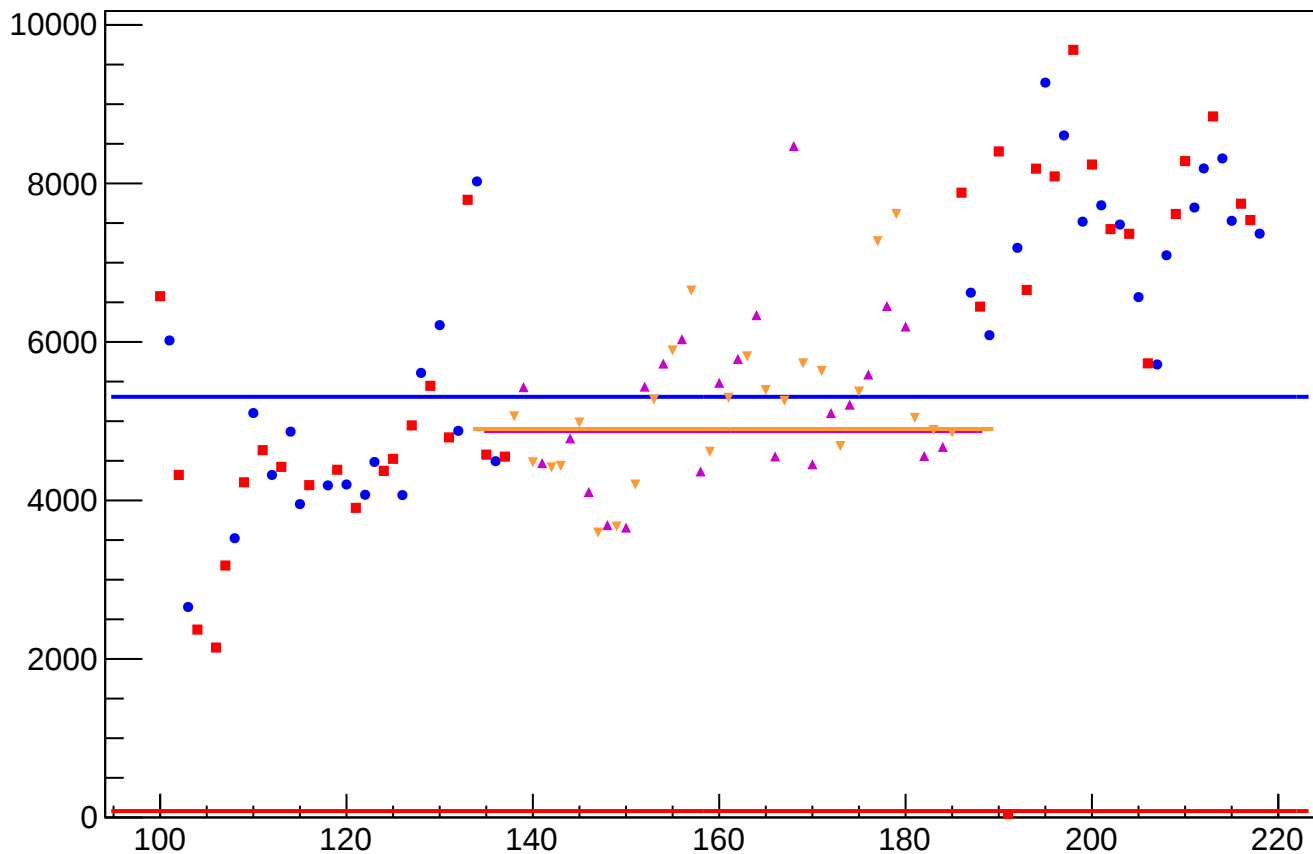
Left In: -139.000 $\pm$ 1190.889 χ^2 /NDF:14.7/22

+ sign 108.154 $\pm$ 874.242 χ^2 /NDF: 66.9/57

All: 96.388 $\pm$ 108.215 χ^2 /NDF: 125.7/116

- sign 96.205 $\pm$ 109.054 χ^2 /NDF: 58.8/58

asym_atr_avg_correction_rms vs Slug



Right In: 5307.596+/-0.934 χ^2/NDF : 3818919.7/32

Left Out: 4901.357+/-0.824 χ^2/NDF : 1136916.0/24

Right Out: 80.798+/-0.077 χ^2/NDF : 35741082.6/35

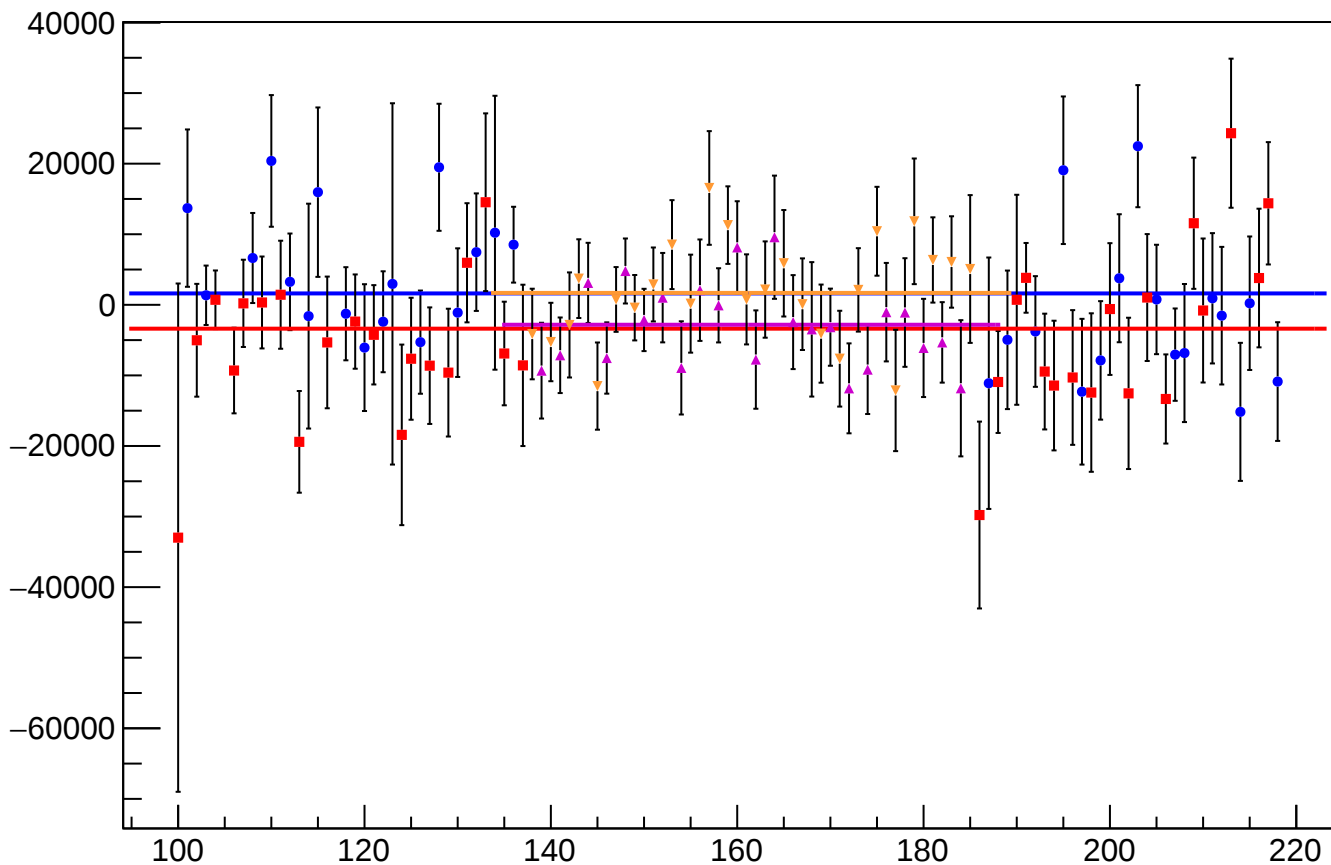
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 5079.160+/-0.618 χ^2/NDF : 5062120.5/57

All: 196.969+/-0.077 χ^2/NDF : 137518671.0/100

- sign 121.001+/-0.077 χ^2/NDF : 69113030.6/58

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: -3379.484+/-1333.707 χ^2/NDF : 42.5/35

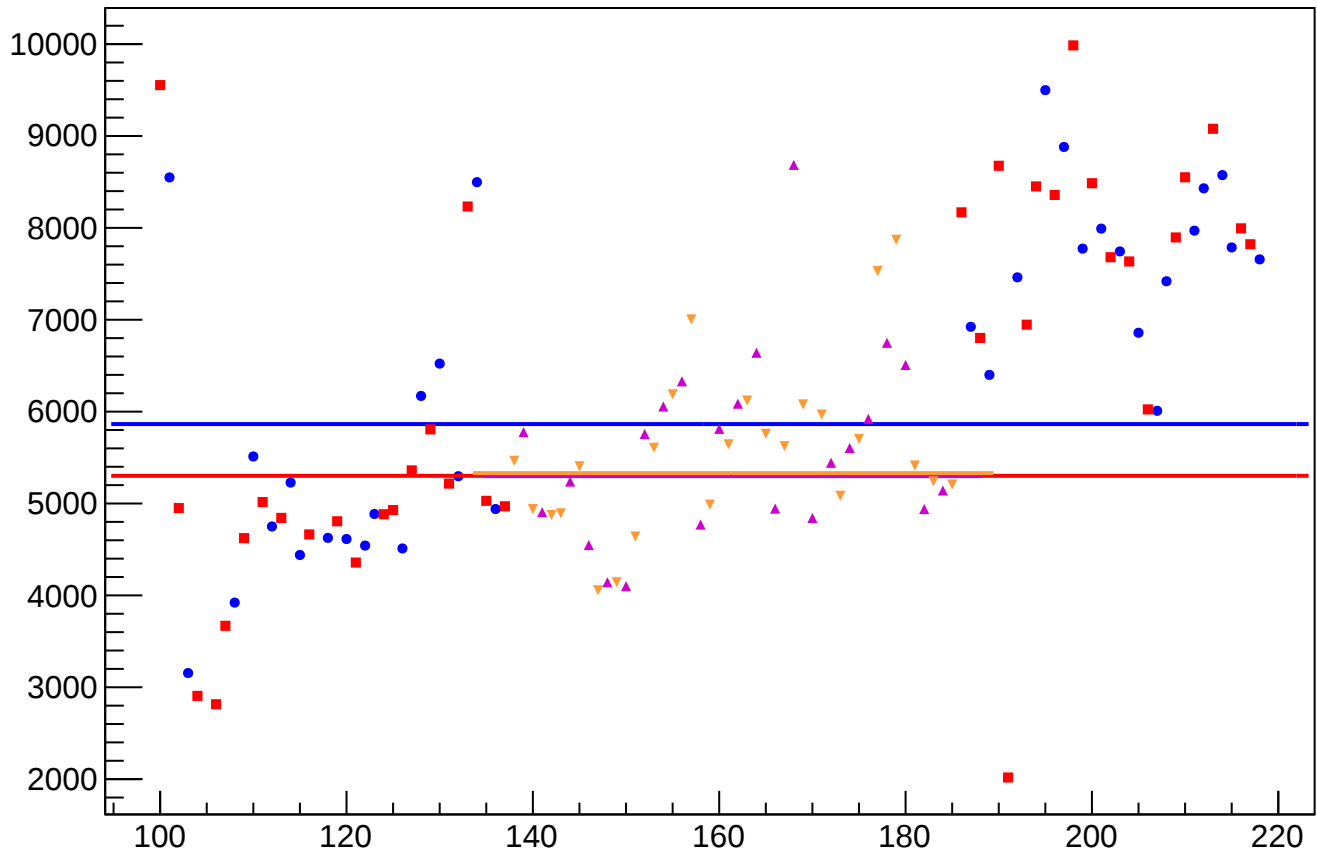
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 1655.241+/-949.652 χ^2/NDF : 62.3/57

All: -776.679+/-663.222 χ^2/NDF : 135.7/116

- sign -3092.190+/-926.645 χ^2/NDF : 60.6/58

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: 5301.573+/-0.940 χ^2/NDF : 4896379.0/35

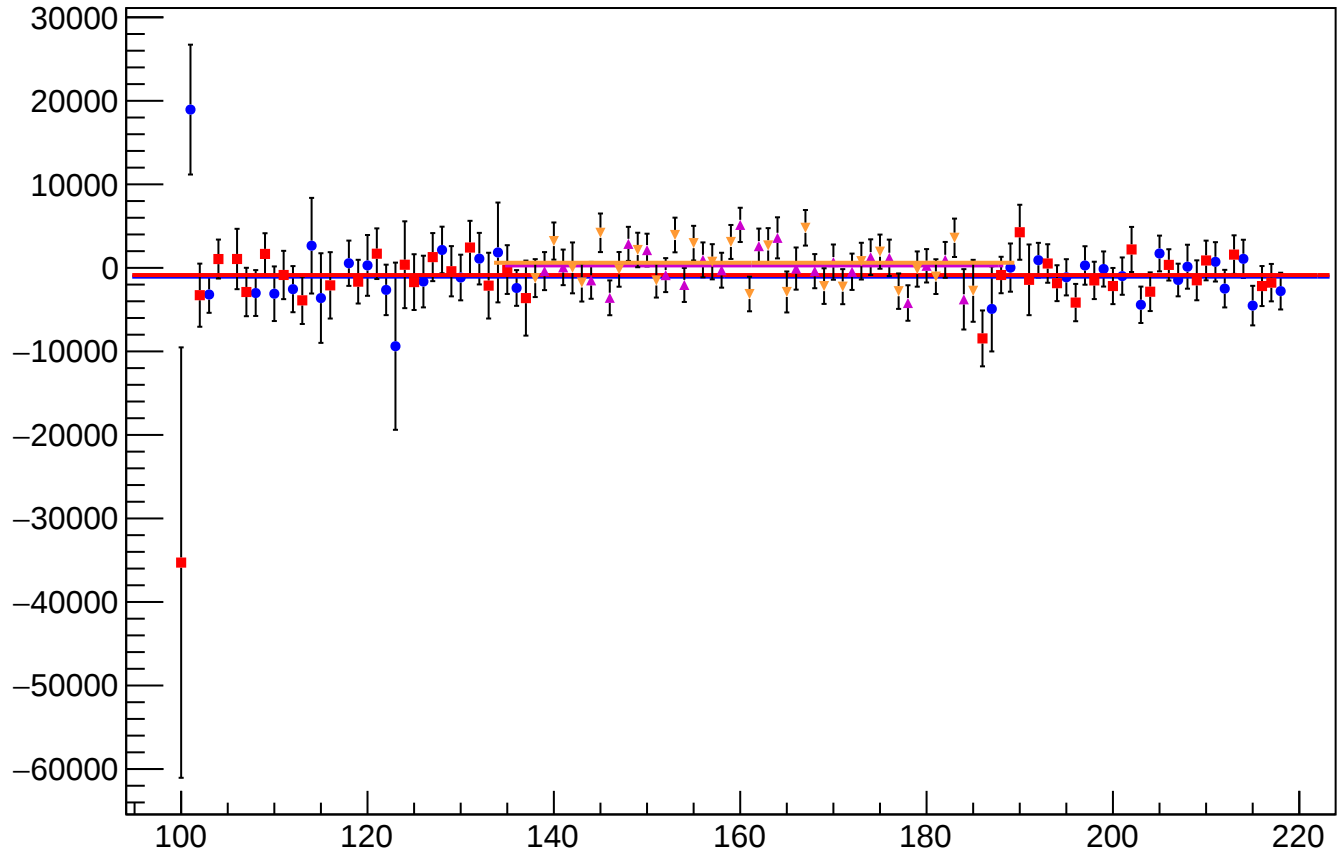
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5562.121+/-0.672 χ^2/NDF : 4078644.8/57

All: 5427.576+/-0.469 χ^2/NDF : 10009292.4/100

- sign 5299.901+/-0.654 χ^2/NDF : 5852406.8/58

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: -858.670 ± 453.981 χ^2/NDF : 24.4/35

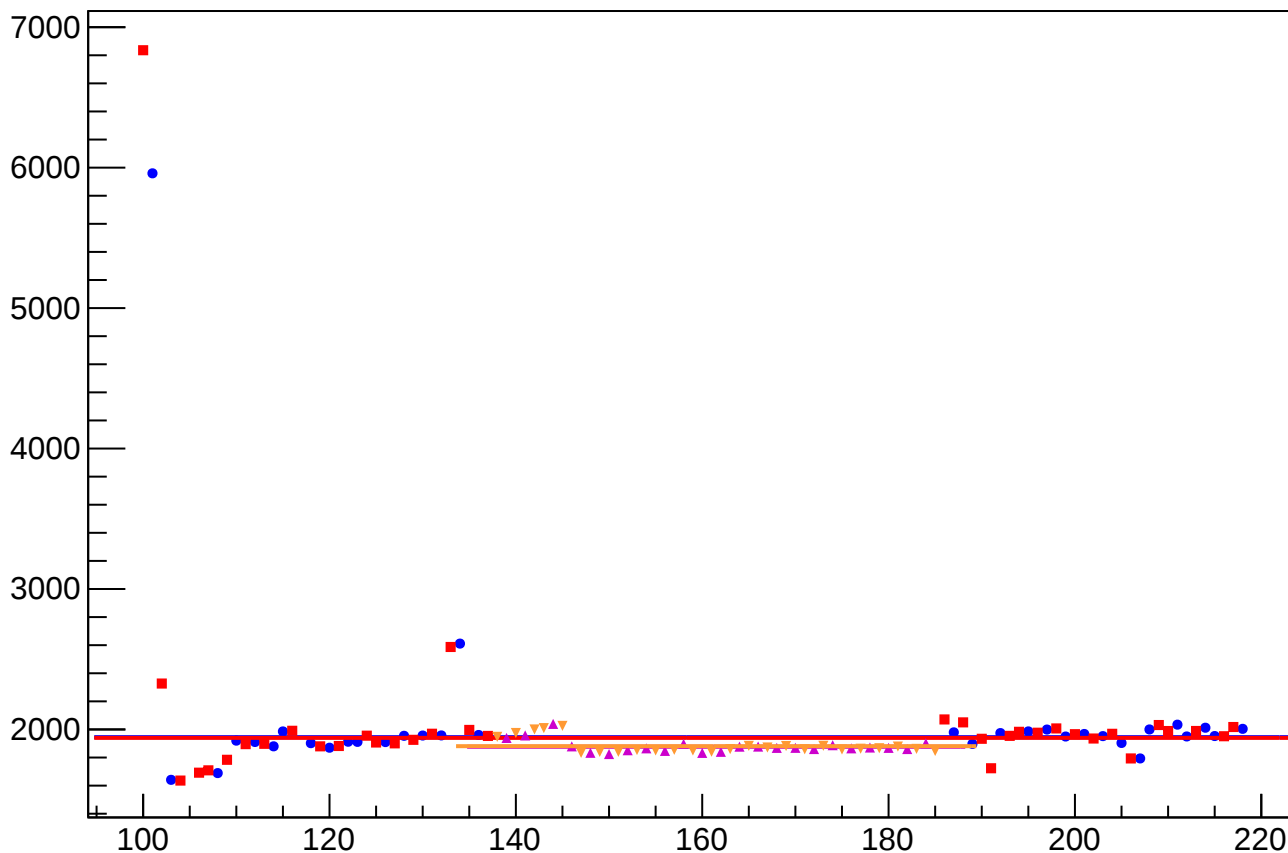
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -177.772 ± 317.619 χ^2/NDF : 64.0/57

All: -227.209 ± 225.233 χ^2/NDF : 115.3/116

- sign -277.215 ± 319.444 χ^2/NDF : 51.3/58

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: 1940.078 $\pm$ 0.321 χ^2 /NDF: 253544.1/35

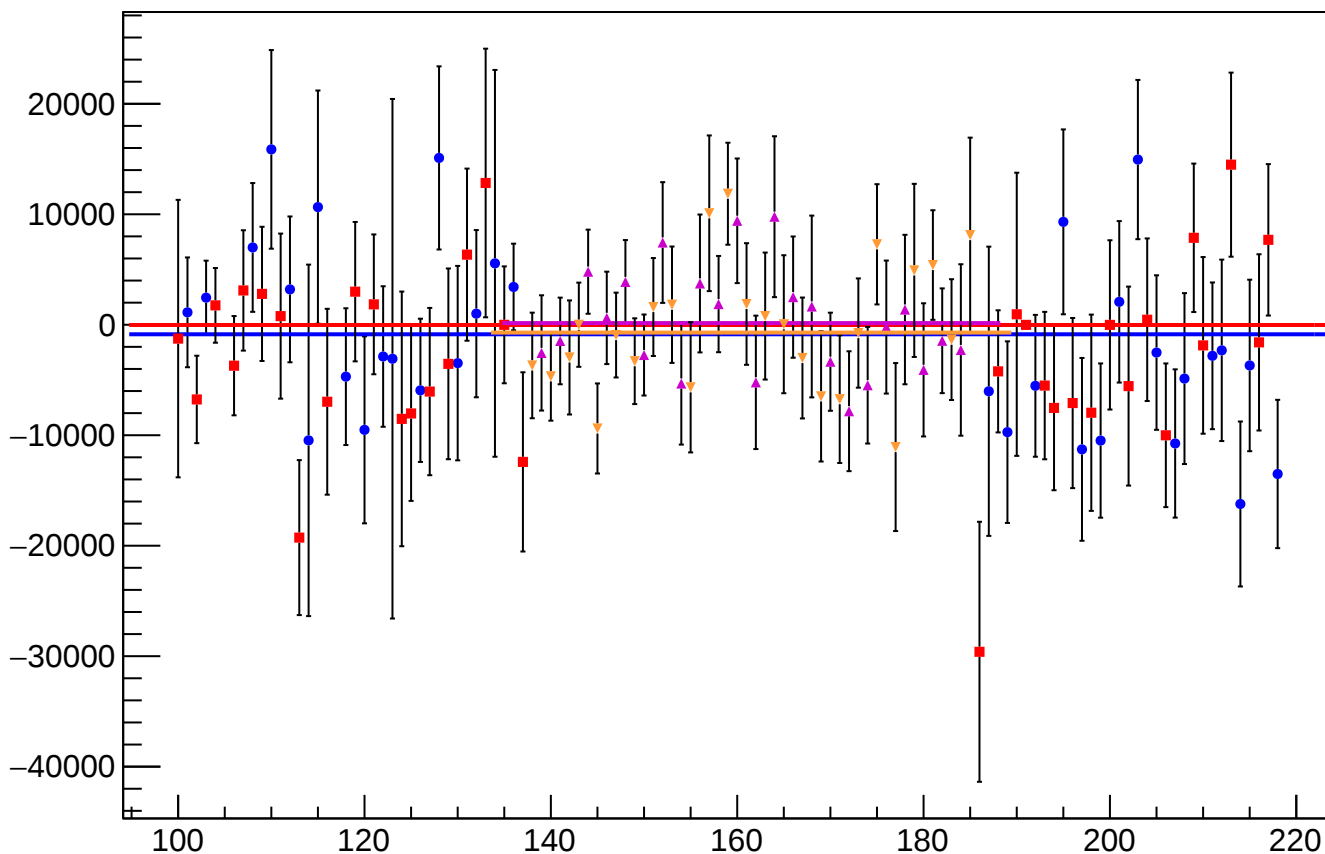
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1911.325 $\pm$ 0.225 χ^2 /NDF: 688921.8/57

All: 1909.721 $\pm$ 0.159 χ^2 /NDF: 982774.8/116

- sign 1908.100 $\pm$ 0.226 χ^2 /NDF: 293750.5/58

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: -20.934 ± 85.768 $\chi^2/\text{NDF}: 38.2/35$

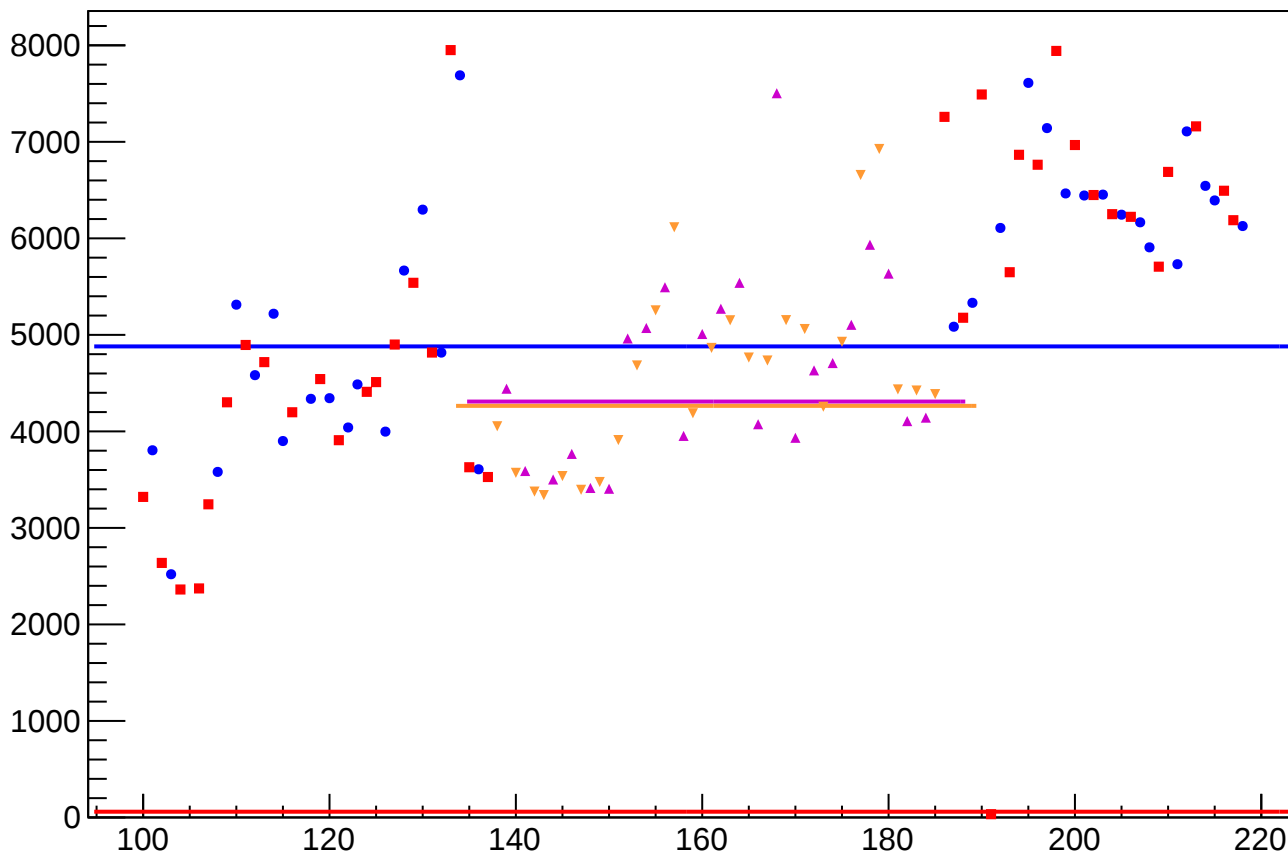
Left In: 150.495 ± 1053.655 $\chi^2/\text{NDF}: 16.9/22$

+ sign -772.567 ± 775.616 $\chi^2/\text{NDF}: 65.1/57$

All: -28.840 ± 84.971 $\chi^2/\text{NDF}: 121.2/116$

- sign -19.806 ± 85.486 $\chi^2/\text{NDF}: 55.1/58$

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: 59.547+/-0.061 χ^2/NDF : 35921914.8/35

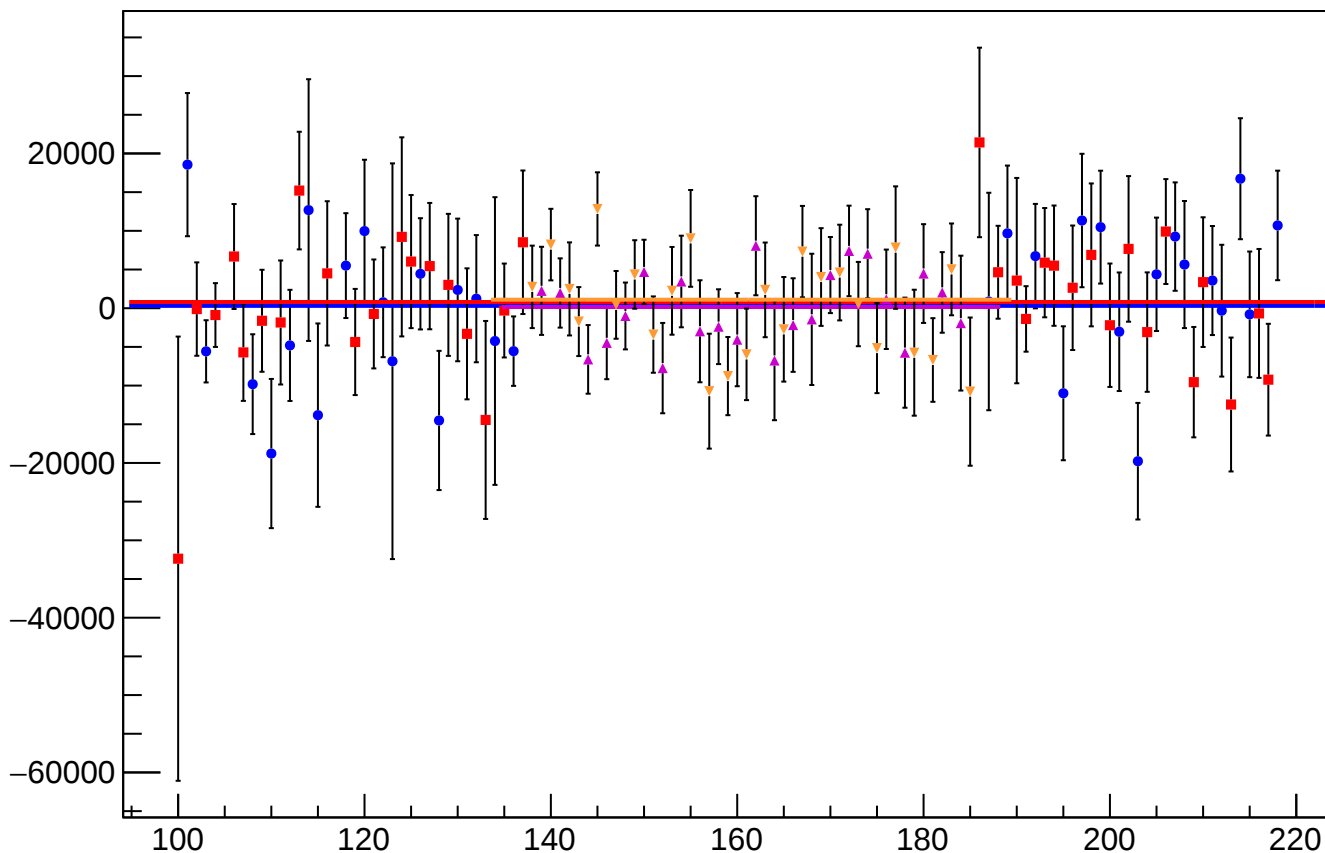
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4522.650+/-0.548 χ^2/NDF : 4644404.9/57

All: 140.749+/-0.060 χ^2/NDF : 138799827.5/100

- sign 87.519+/-0.060 χ^2/NDF : 69544555.2/58

asym_atr_dd_mean vs Slug



Right In: 304.270 $\pm$ 1331.985 χ^2 /NDF: 45.3/32

Left Out: 1102.204 $\pm$ 1126.663 χ^2 /NDF: 28.6/24

Right Out: 803.865 $\pm$ 1235.746 χ^2 /NDF: 25.7/35

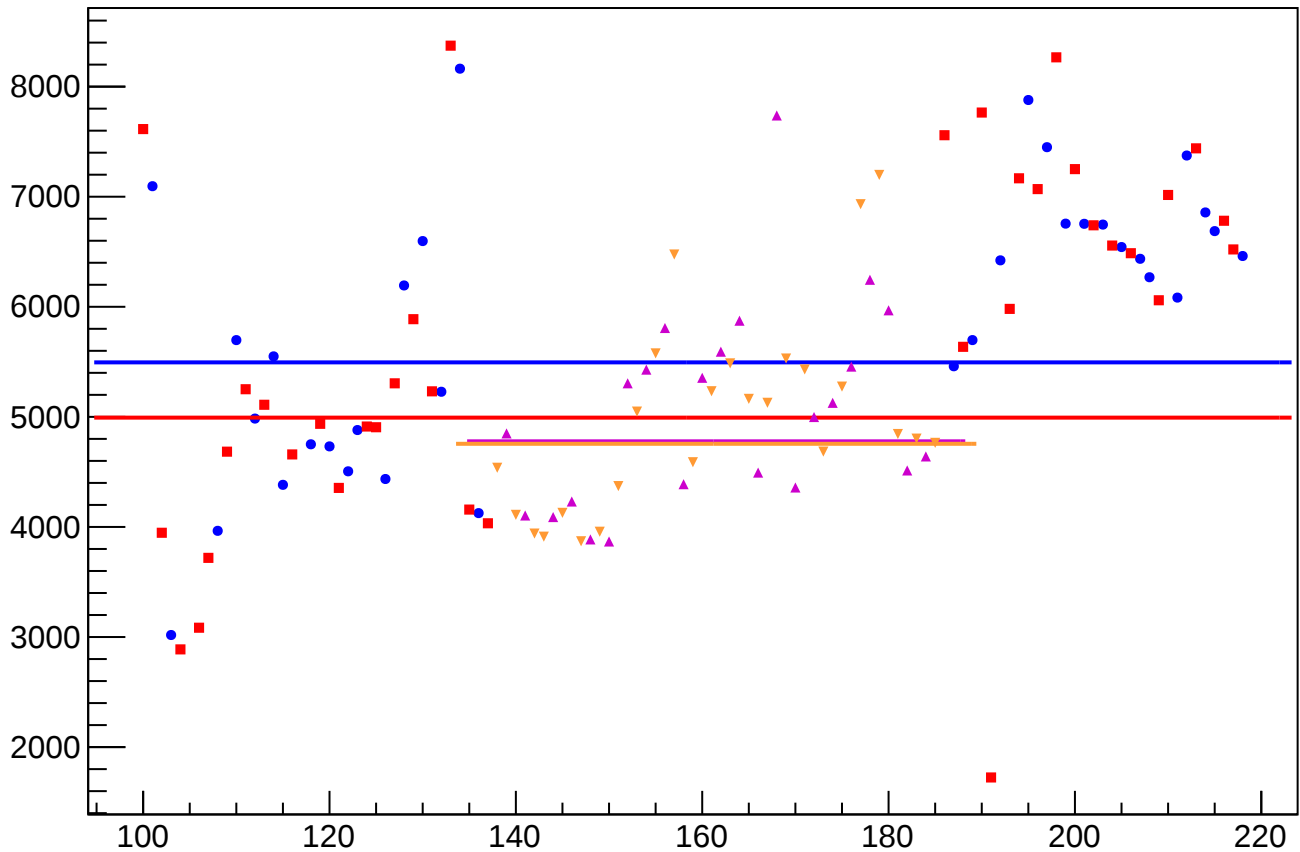
Left In: 158.683 $\pm$ 1161.507 χ^2 /NDF: 15.5/22

+ sign 769.411 $\pm$ 860.207 χ^2 /NDF: 74.1/57

All: 612.858 $\pm$ 603.295 χ^2 /NDF: 115.5/116

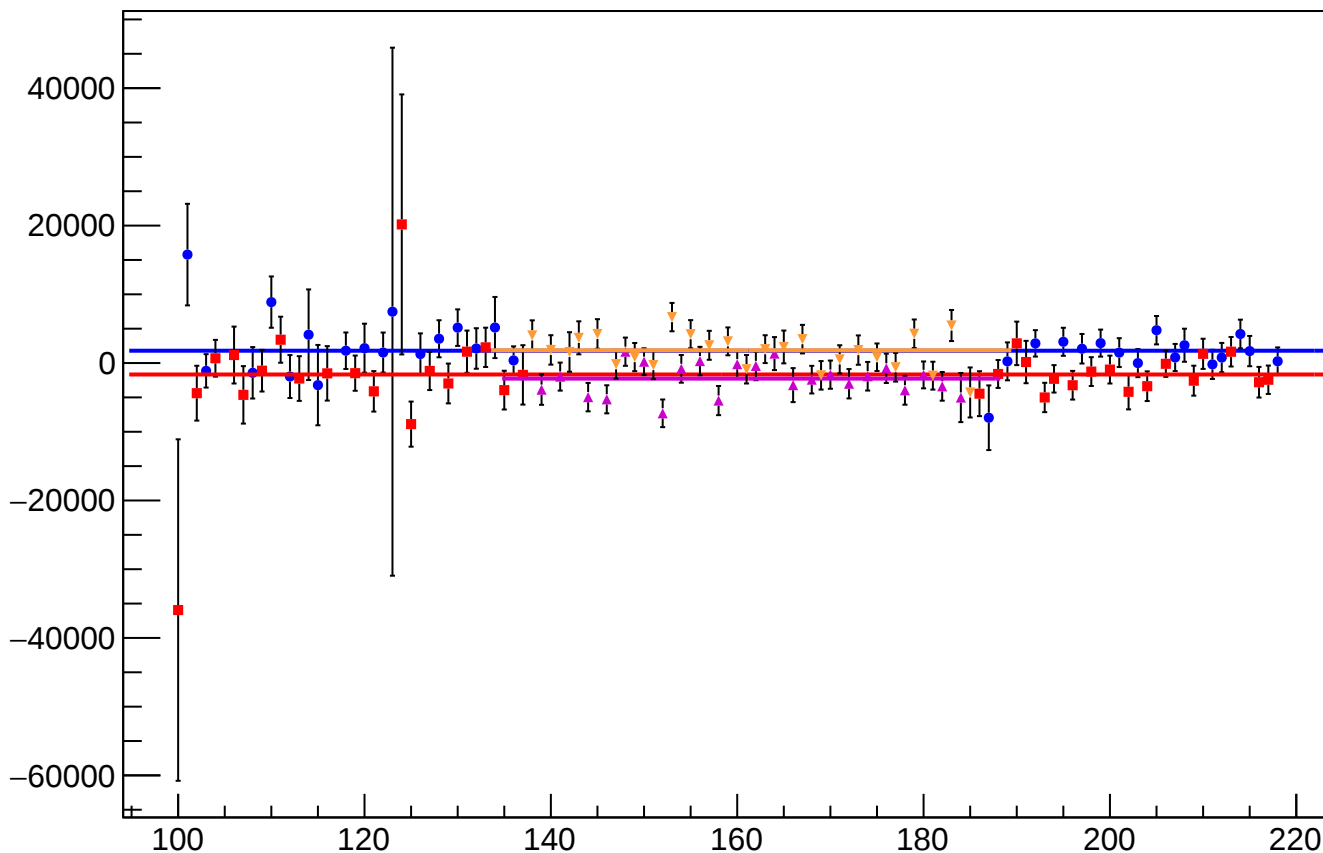
- sign 461.313 $\pm$ 846.338 χ^2 /NDF: 41.4/58

asym_atr_dd_rms vs Slug



Right In: 5495.053+/-0.942	χ^2/NDF : 2160862.4/32	+ sign 5063.876+/-0.608	χ^2/NDF : 3473712.0/57
Left Out: 4755.383+/-0.797	χ^2/NDF : 953328.0/24	All: 4969.869+/-0.426	χ^2/NDF : 8501343.3/11
Right Out: 4993.097+/-0.871	χ^2/NDF : 3998071.5/35	- sign 4879.124+/-0.598	χ^2/NDF : 4980687.9/58
Left In: 4777.831+/-0.821	χ^2/NDF : 950291.2/22		

reg_asym_at1_avg_mean vs Slug



Right In: 1793.447 ± 445.591 χ^2/NDF : 26.7/32

Left Out: 1856.570 ± 430.977 χ^2/NDF : 30.0/24

Right Out: -1664.345 ± 441.944 χ^2/NDF : 30.8/35

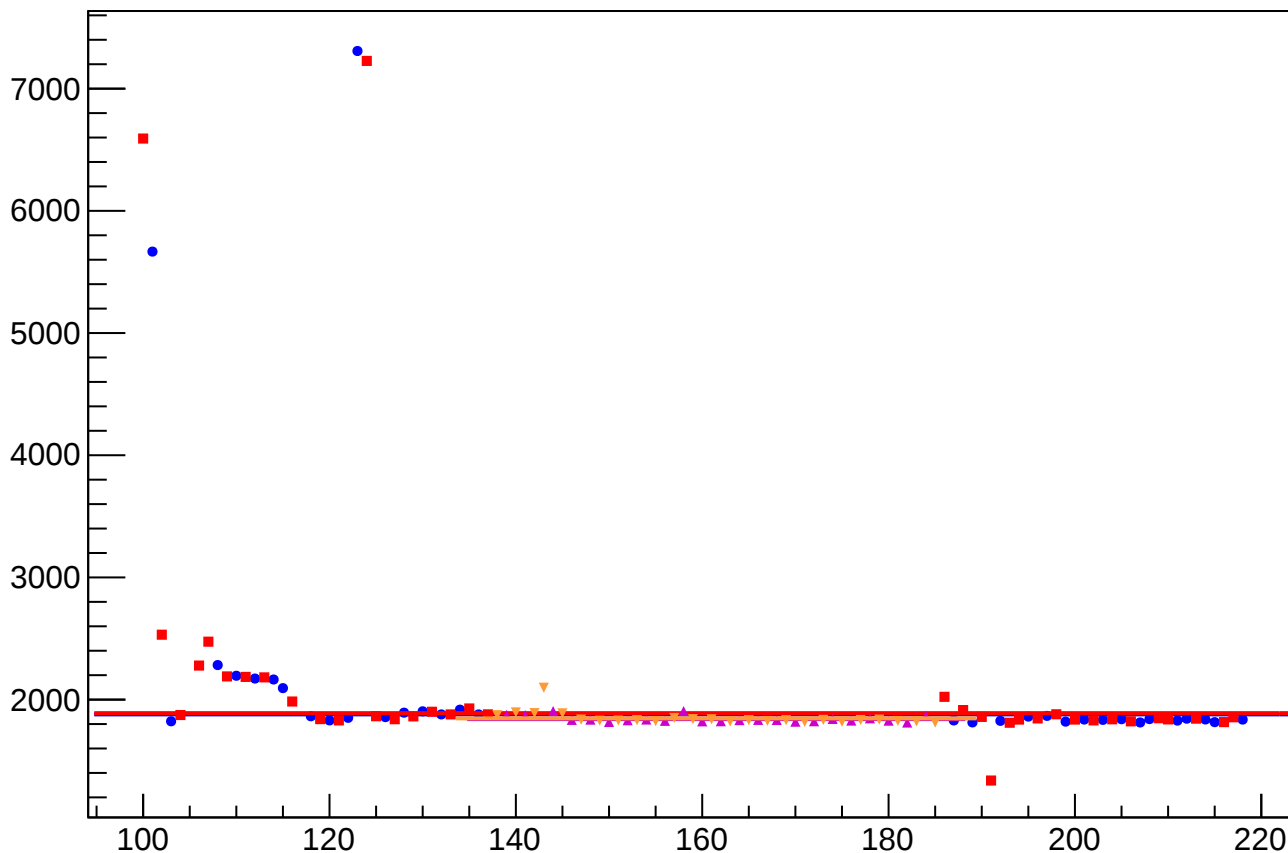
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1826.061 ± 309.784 χ^2/NDF : 56.7/57

All: -54.191 ± 219.976 χ^2/NDF : 189.6/116

- sign -1966.565 ± 312.419 χ^2/NDF : 58.6/58

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: 1889.251 $\pm$ 0.313 χ^2 /NDF: 479444.2/35

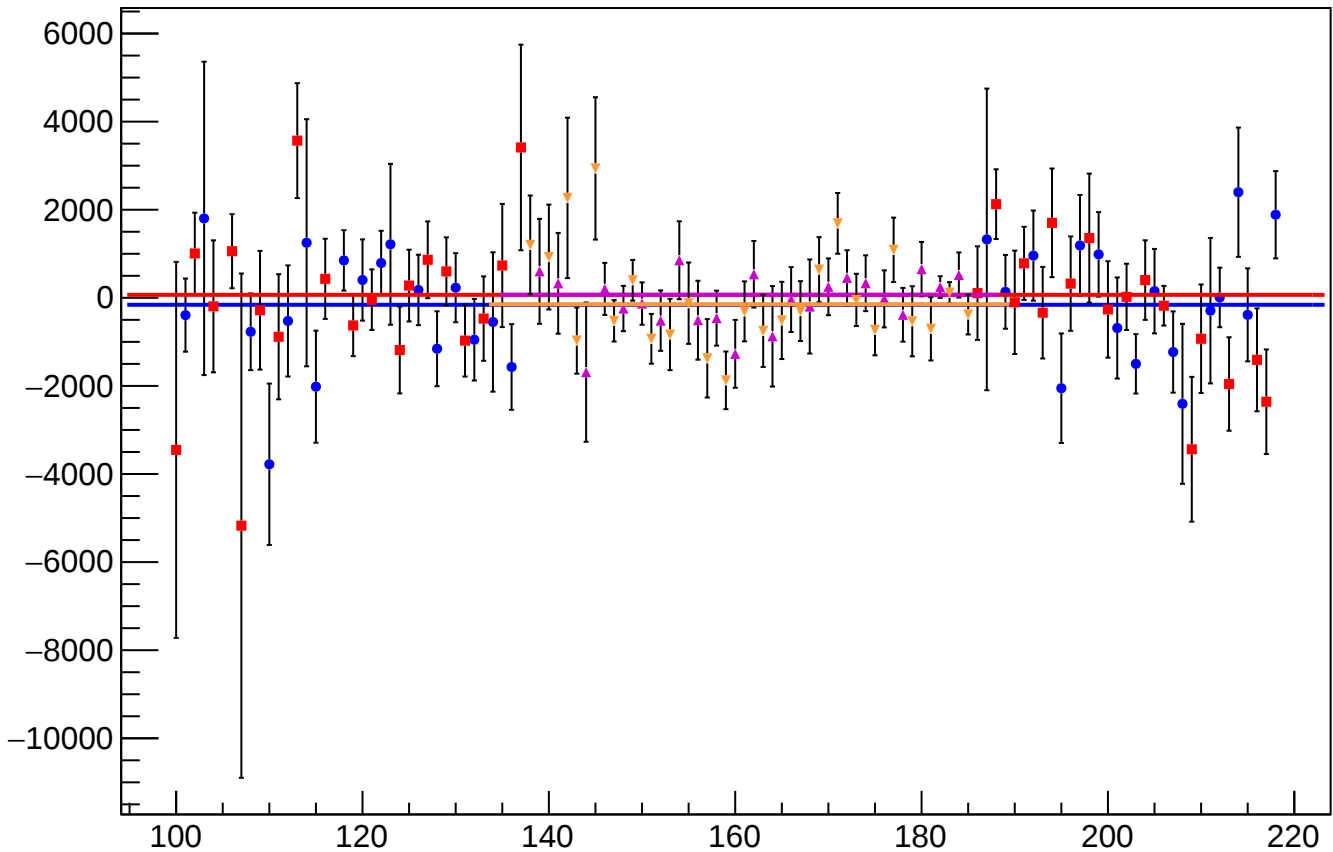
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1862.358 $\pm$ 0.219 χ^2 /NDF: 676970.5/57

All: 1863.610 $\pm$ 0.156 χ^2 /NDF: 1175374.8/117

- sign 1864.883 $\pm$ 0.221 χ^2 /NDF: 498338.4/58

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: 67.702+/-160.856 χ^2/NDF : 45.5/35

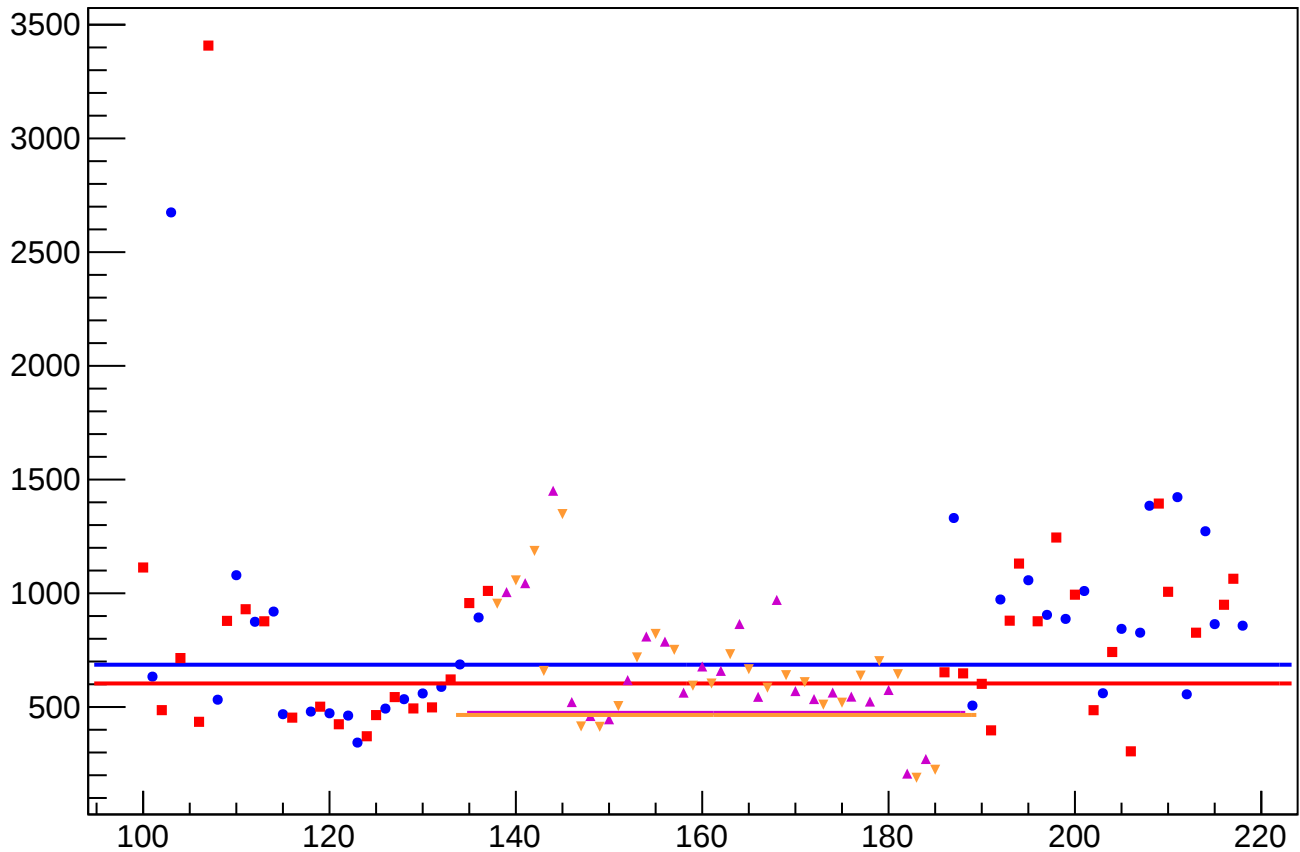
Left In: 70.340+/-126.373 χ^2/NDF : 12.3/22

+ sign -150.545+/-100.093 χ^2/NDF : 75.6/57

All: -39.813+/-70.521 χ^2/NDF : 135.8/116

- sign 69.333+/-99.374 χ^2/NDF : 57.8/58

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: 603.567 $\pm$ 0.114 χ^2 /NDF: 5209941.6/35

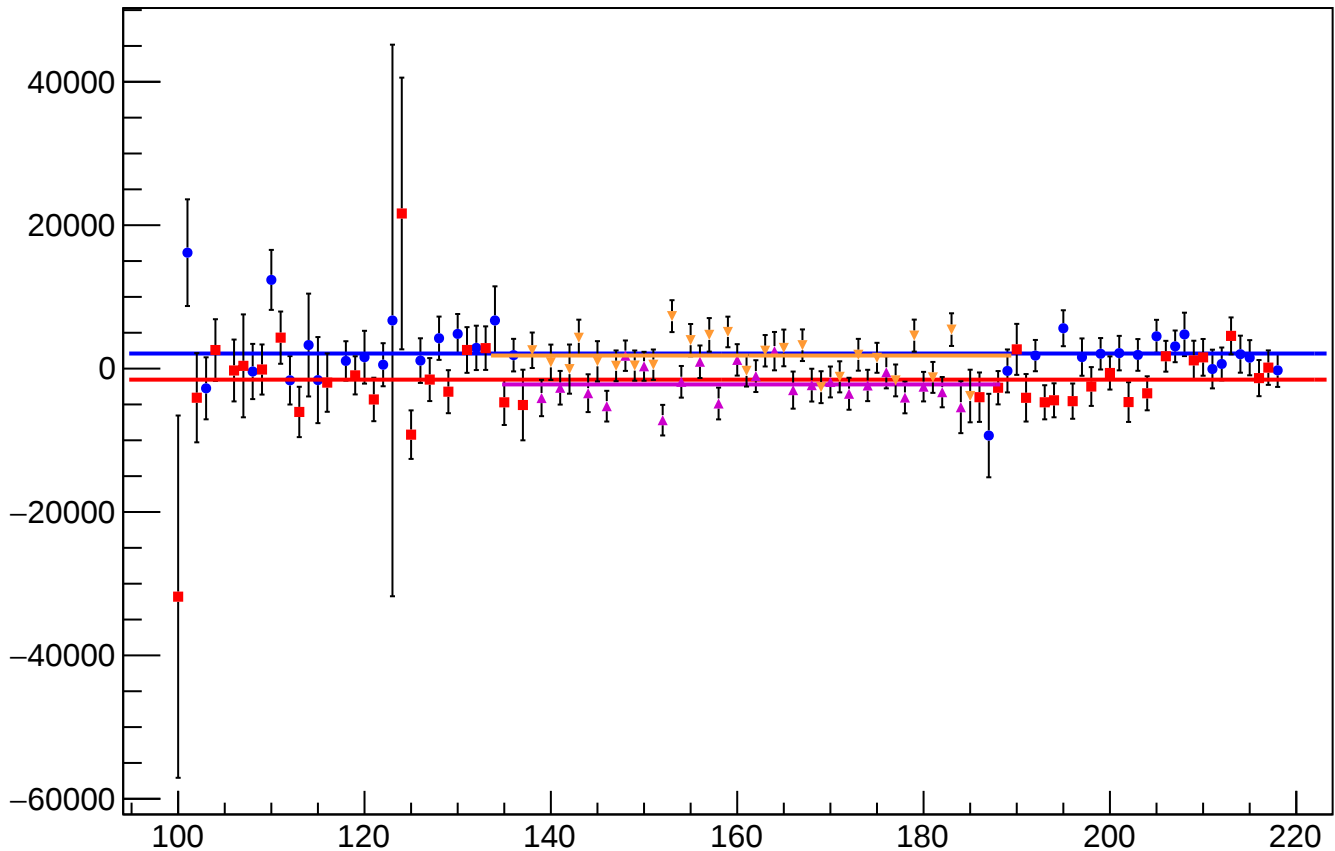
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 537.246 $\pm$ 0.071 χ^2 /NDF: 13219264.5/57

All: 530.380 $\pm$ 0.050 χ^2 /NDF: 25420121.9/1

- sign 523.612 $\pm$ 0.070 χ^2 /NDF: 12182168.2/58

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: -1540.920 $\pm$ 503.853 χ^2 /NDF: 40.7/35

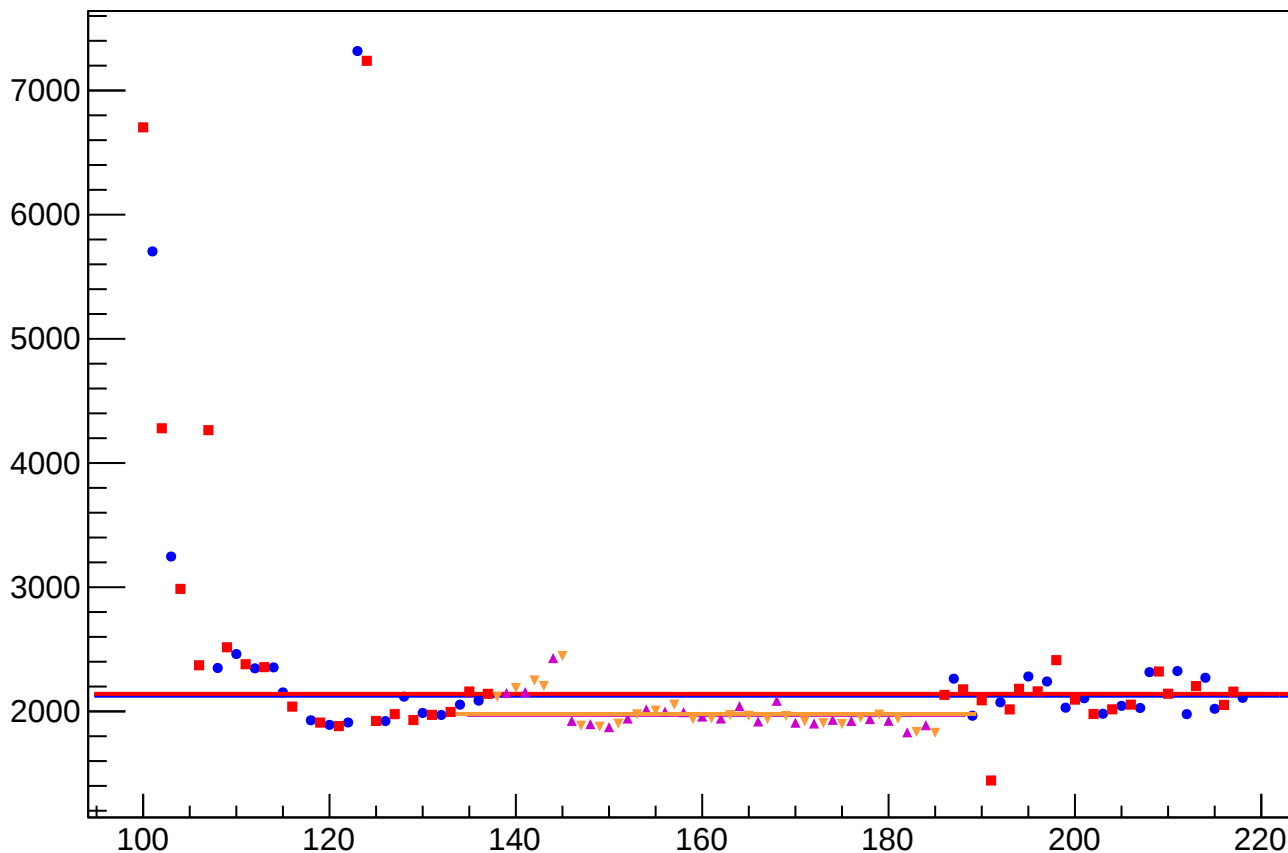
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 1950.855 $\pm$ 341.344 χ^2 /NDF: 59.0/57

All: 49.943 $\pm$ 242.739 χ^2 /NDF: 188.7/116

- sign -1894.832 $\pm$ 345.260 χ^2 /NDF: 67.0/58

asym_at1_avg_rms vs Slug



Right In: 2126.489 $\pm$ 0.358 χ^2 /NDF: 787825.3/32

Left Out: 1978.997 $\pm$ 0.327 χ^2 /NDF:139299.8/24

Right Out: 2141.134 $\pm$ 0.356 χ^2 /NDF: 954290.6/35

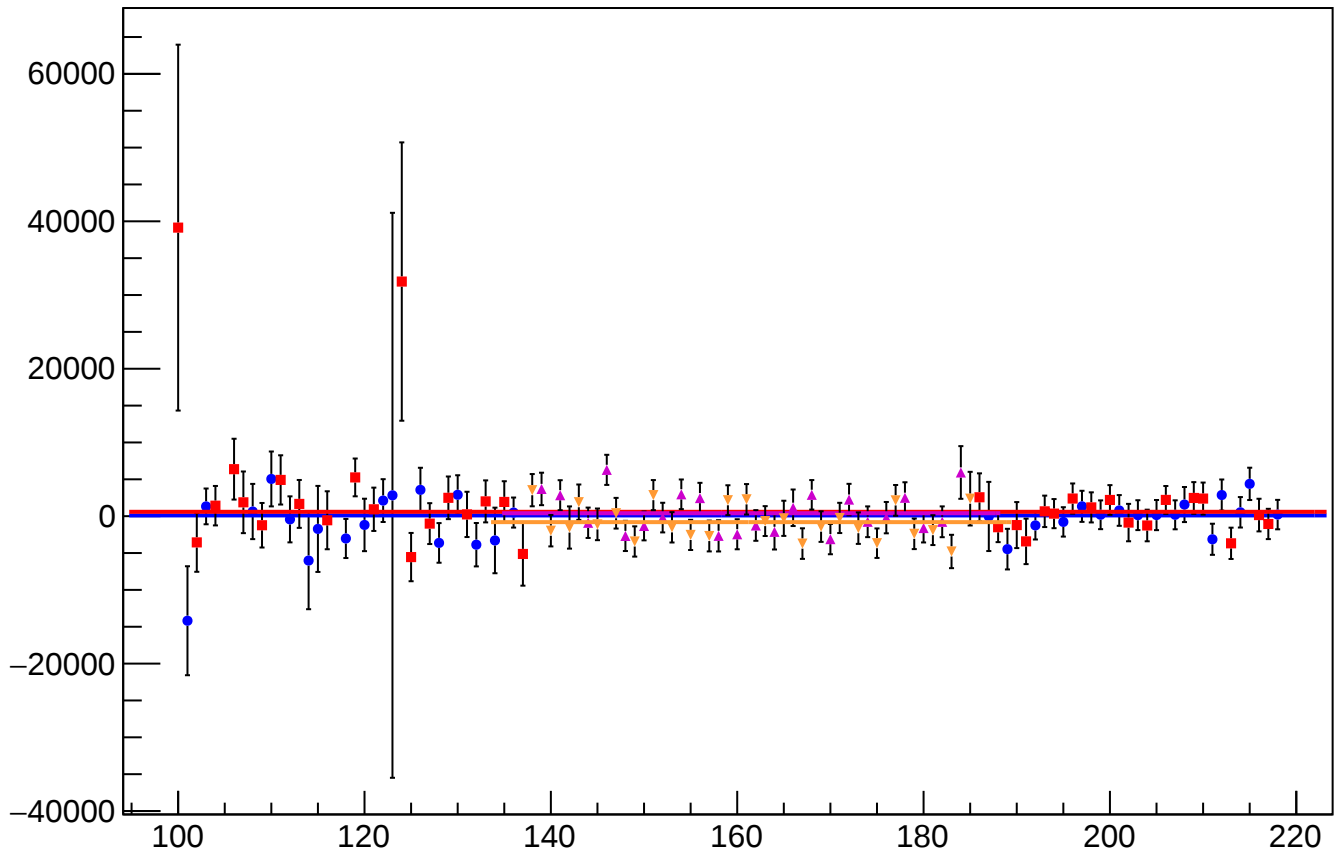
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2046.217 $\pm$ 0.241 χ^2 /NDF: 1019745.3/57

All: 2048.831 $\pm$ 0.172 χ^2 /NDF: 2210035.3/11

- sign 2051.506 $\pm$ 0.244 χ^2 /NDF: 1190052.7/58

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: 593.443 $\pm$ 438.630 χ^2 /NDF: 33.5/35

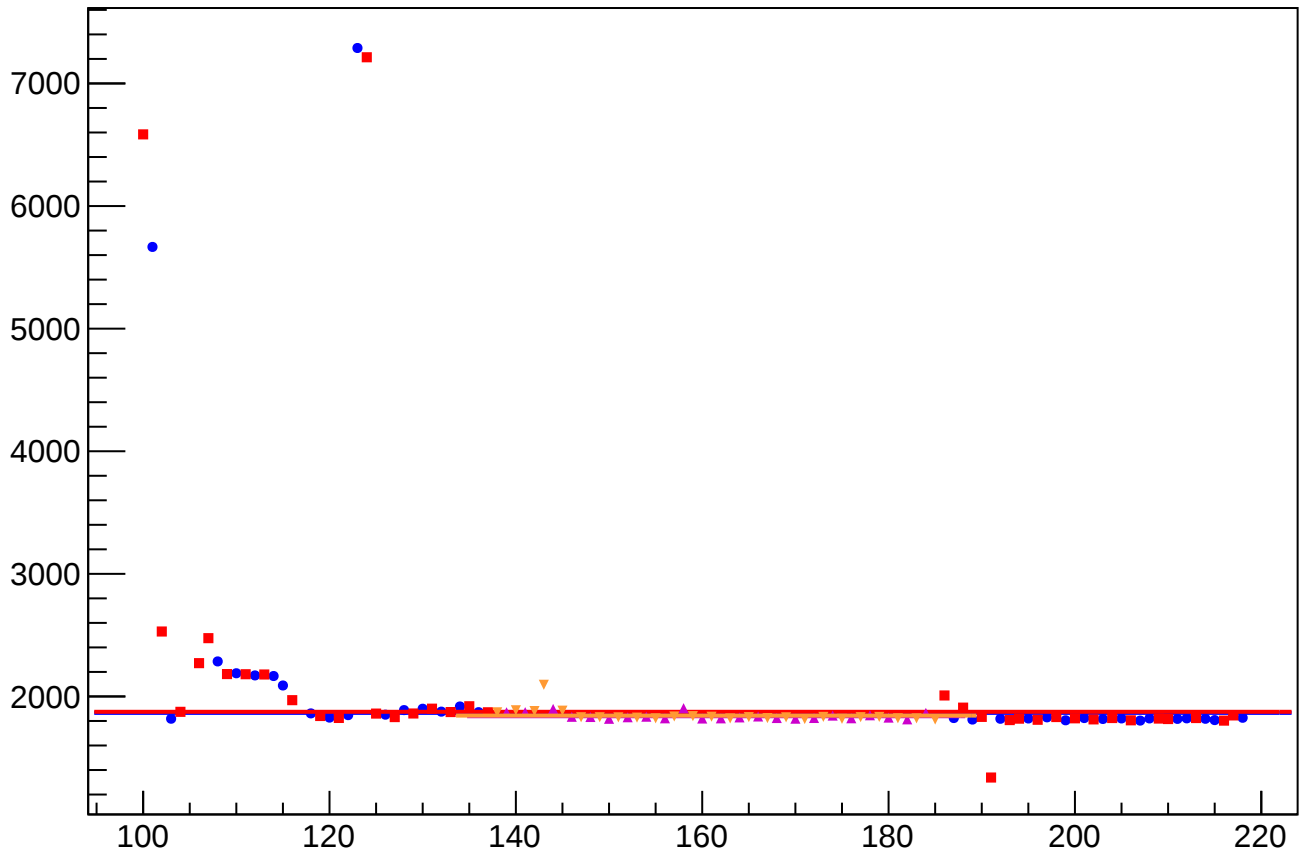
Left In: 398.797 $\pm$ 441.246 χ^2 /NDF: 34.4/22

+ sign -366.838 $\pm$ 308.493 χ^2 /NDF: 57.9/57

All: 61.327 $\pm$ 219.046 χ^2 /NDF: 129.8/116

- sign 496.699 $\pm$ 311.079 χ^2 /NDF: 68.0/58

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: 1874.887+/-0.310 χ^2/NDF : 488213.6/35

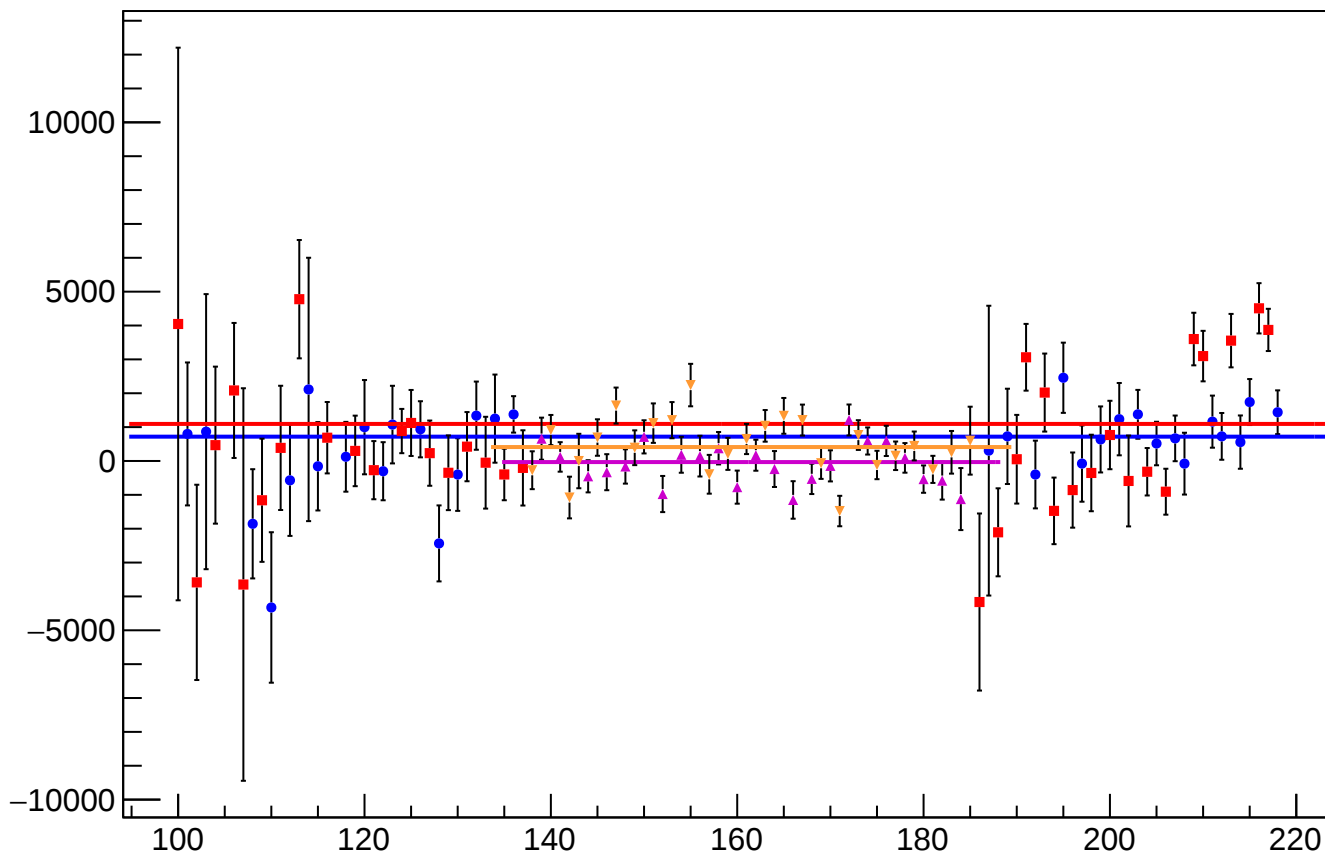
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1854.535+/-0.218 χ^2/NDF : 683421.5/57

All: 1855.686+/-0.155 χ^2/NDF : 1184825.4/118

- sign 1856.857+/-0.220 χ^2/NDF : 501347.8/58

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: 1094.078 $\pm$ 169.101 χ^2/NDF : 131.9/35

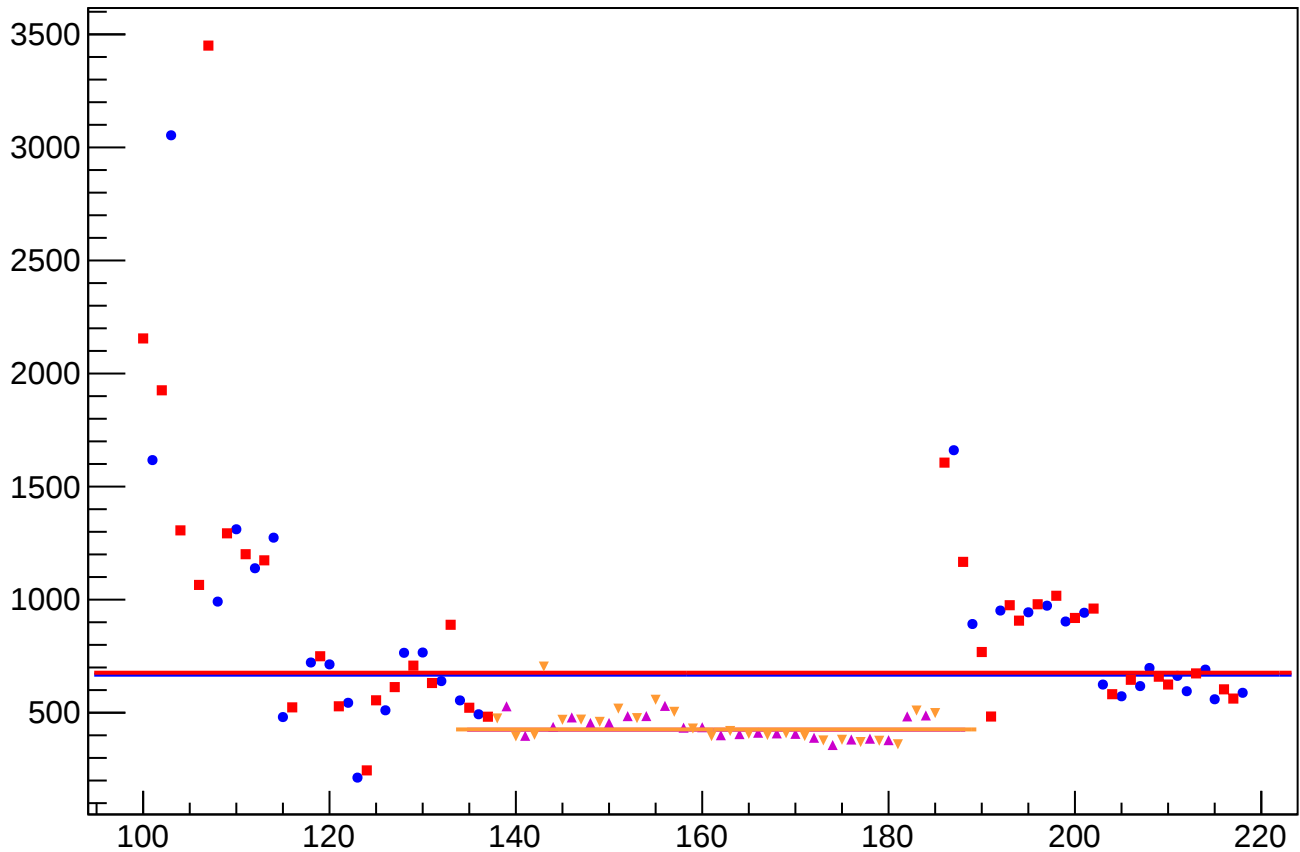
Left In: -32.456 $\pm$ 102.403 χ^2/NDF : 32.7/22

+ sign 493.767 $\pm$ 85.866 χ^2/NDF : 96.0/57

All: 384.023 $\pm$ 61.318 χ^2/NDF : 296.4/116

- sign 269.817 $\pm$ 87.594 χ^2/NDF : 197.1/58

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: 676.860 $\pm$ 0.120 χ^2 /NDF: 4442803.0/35

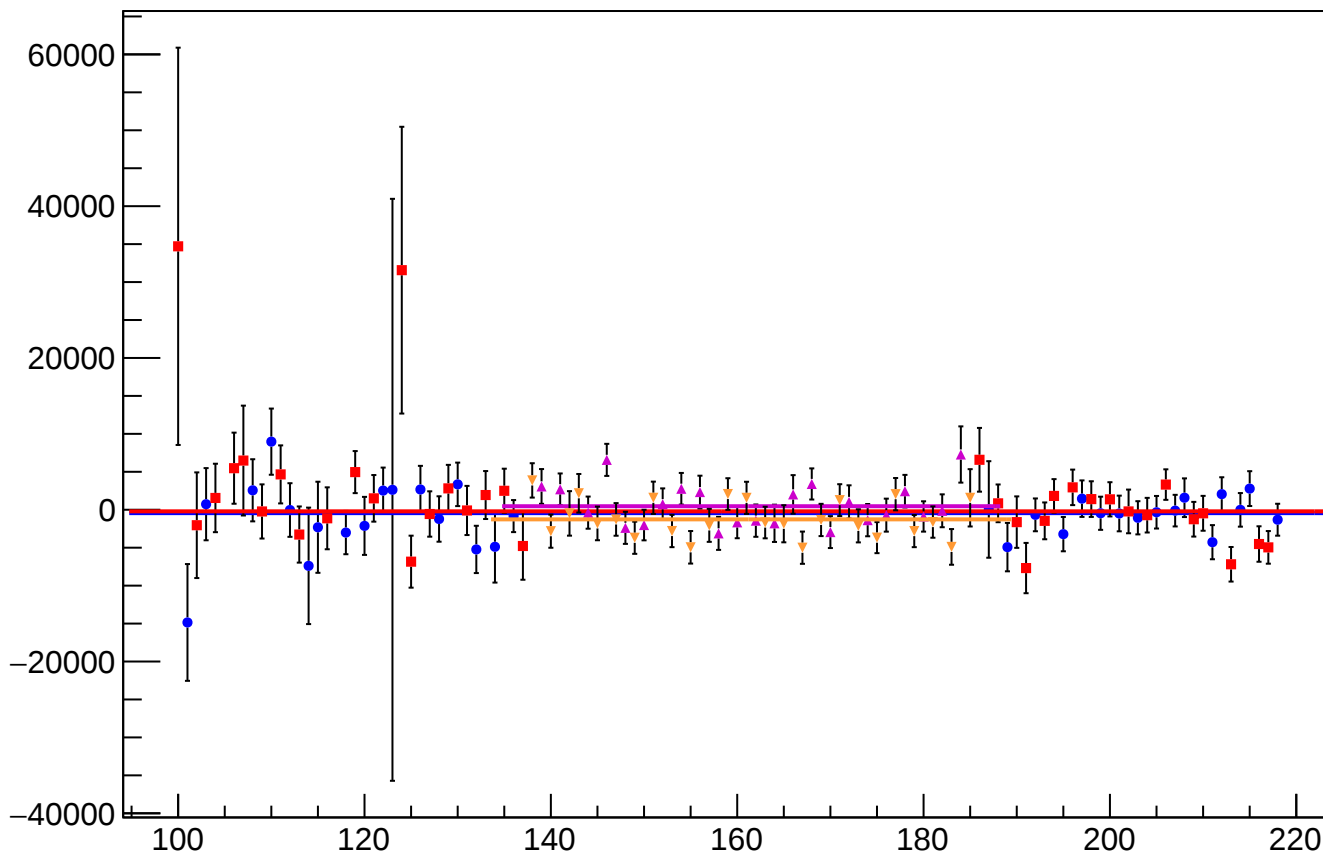
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 491.261 $\pm$ 0.061 χ^2 /NDF: 7184465.0/57

All: 491.777 $\pm$ 0.043 χ^2 /NDF: 15274554.7/1

- sign 492.315 $\pm$ 0.062 χ^2 /NDF: 8089942.0/58

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: -209.032 ± 488.875 χ^2/NDF : 53.3/35

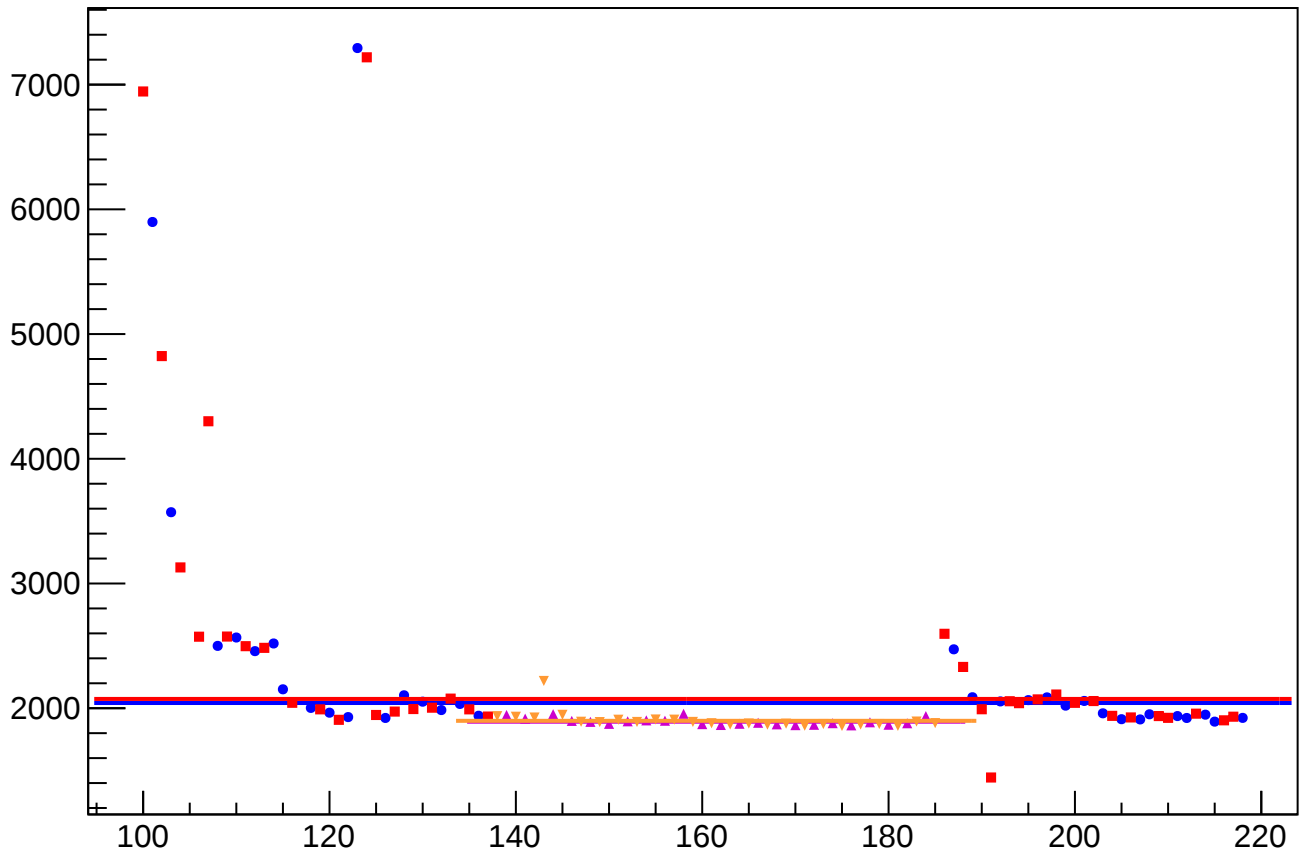
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -895.057 ± 327.460 χ^2/NDF : 61.3/57

All: -379.946 ± 233.363 χ^2/NDF : 153.3/116

- sign 151.631 ± 332.652 χ^2/NDF : 86.9/58

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: 2074.477 $\pm$ 0.346 χ^2 /NDF: 1144052.5/35

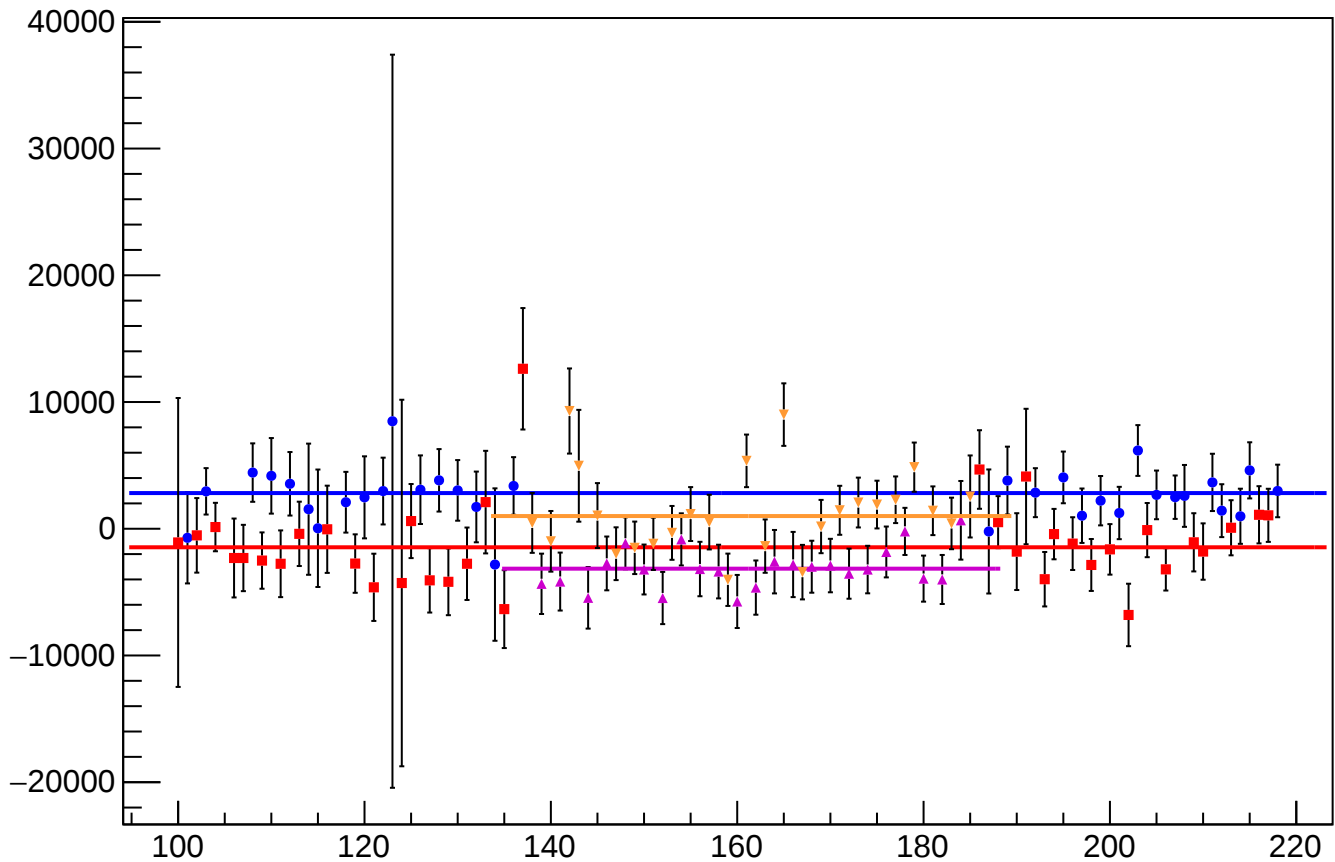
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1963.812 $\pm$ 0.232 χ^2 /NDF: 1043578.8/57

All: 1969.969 $\pm$ 0.165 χ^2 /NDF: 2346624.5/11

- sign 1976.323 $\pm$ 0.235 χ^2 /NDF: 1301609.0/58

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: -1462.745 ± 416.604 χ^2/NDF : 35.9/35

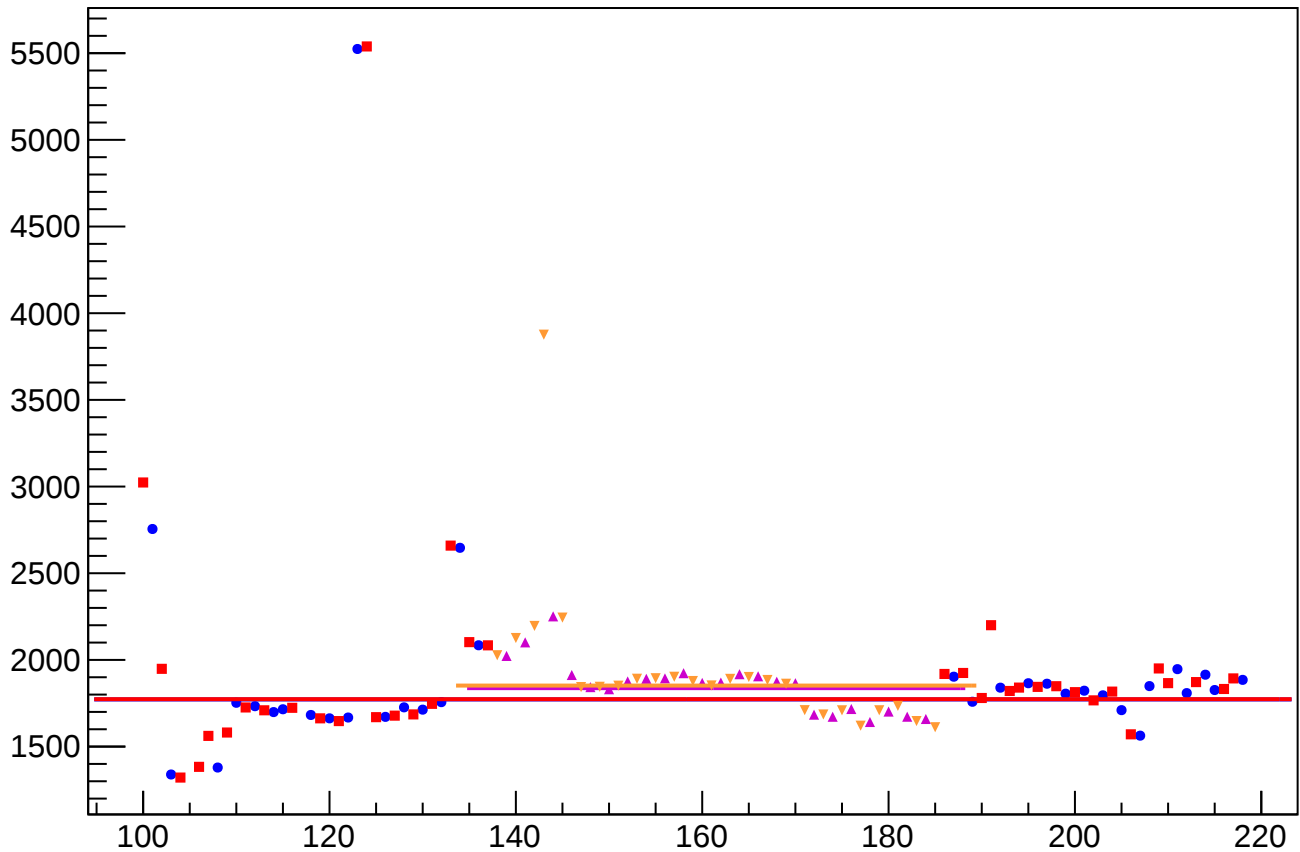
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1940.242 ± 302.276 χ^2/NDF : 64.3/57

All: -154.806 ± 213.957 χ^2/NDF : 216.0/116

- sign -2258.345 ± 302.888 χ^2/NDF : 55.5/58

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: 1773.459+/-0.295 χ^2/NDF : 579380.3/35

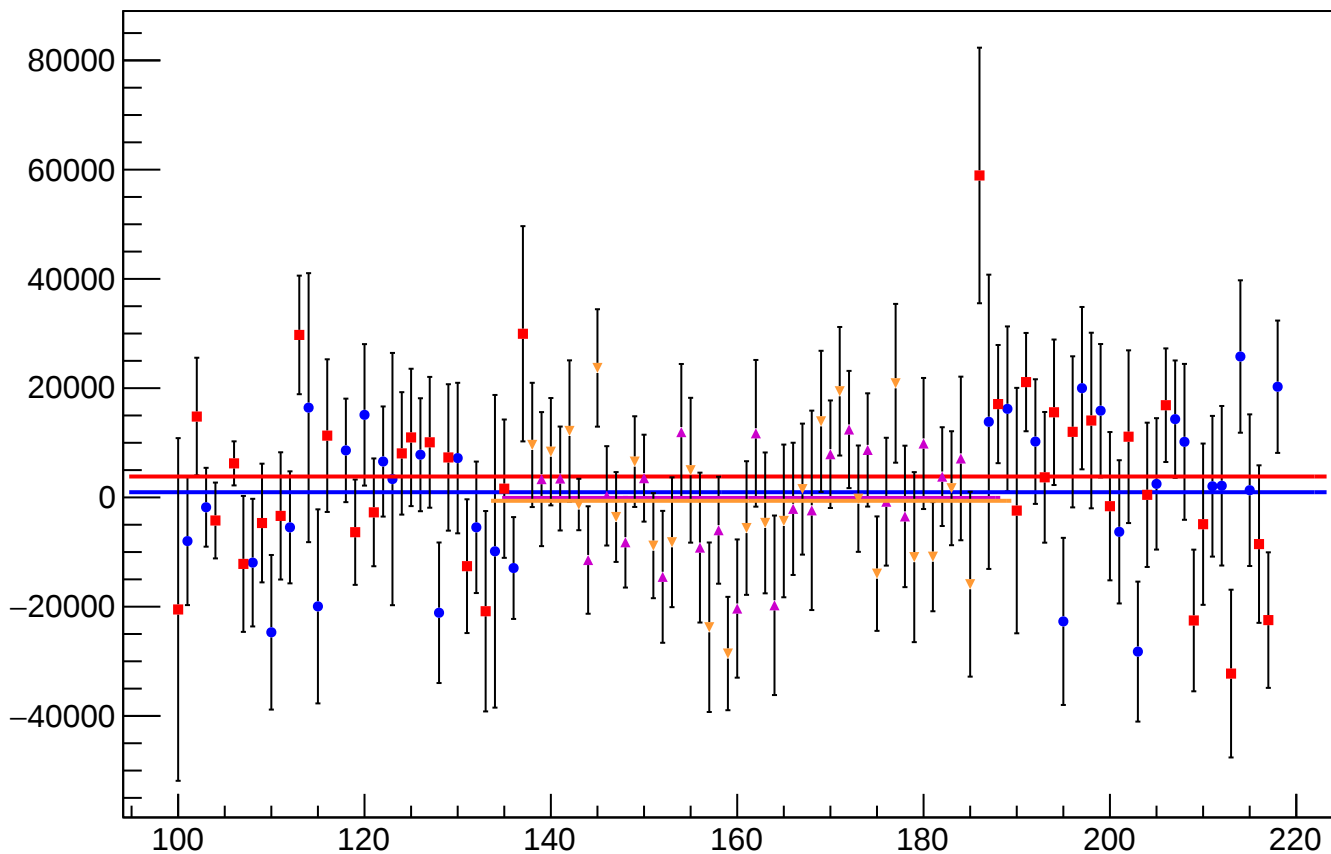
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1810.500+/-0.214 χ^2/NDF : 1206965.8/57

All: 1806.999+/-0.151 χ^2/NDF : 2009434.5/11

- sign 1803.484+/-0.214 χ^2/NDF : 801931.1/58

asym_at2_avg_correction_mean vs Slug



Right In: 954.095 ± 2174.363 χ^2/NDF : 36.5/32

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 3827.312 ± 1853.637 χ^2/NDF : 49.3/35

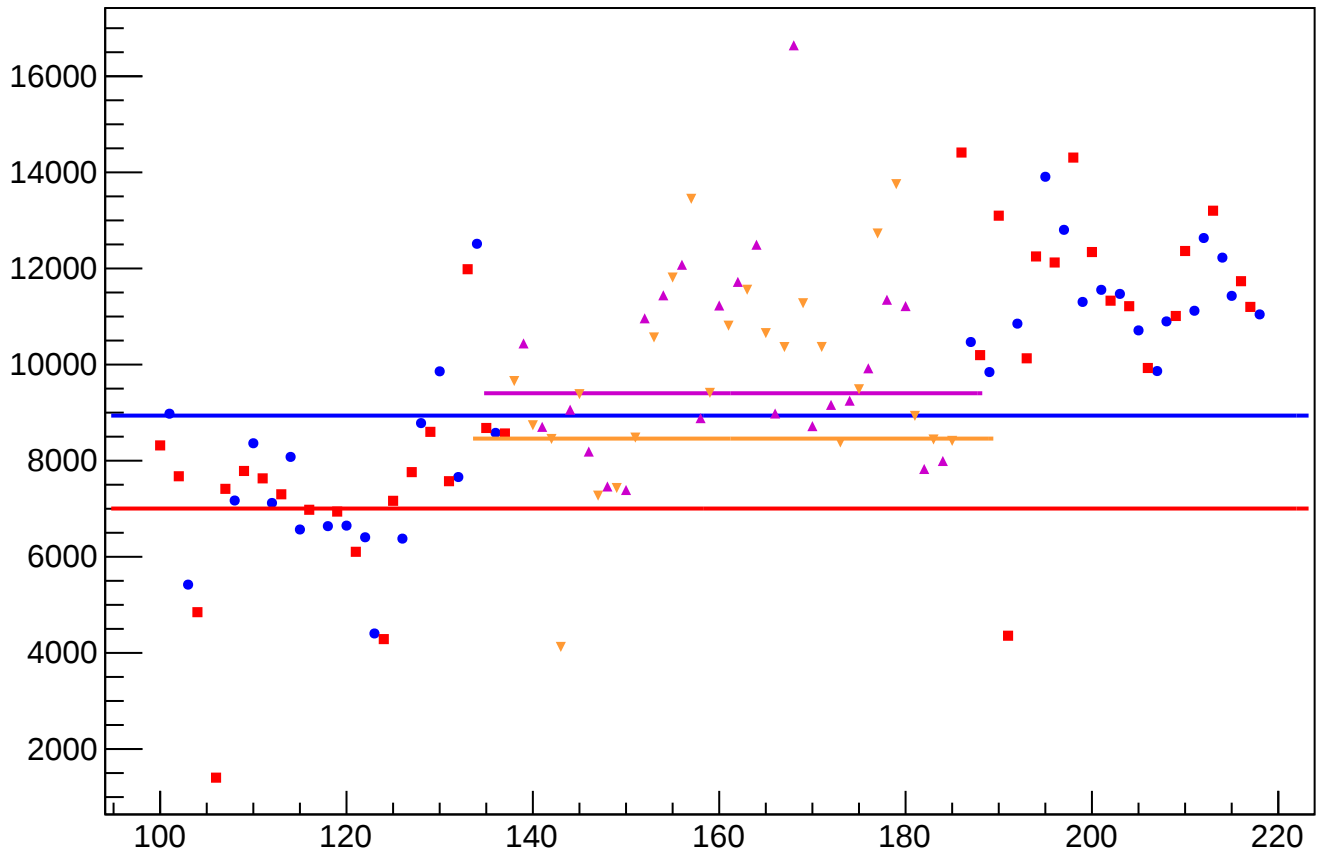
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign 128.577 ± 1499.129 χ^2/NDF : 66.9/57

All: 1245.465 ± 1039.158 χ^2/NDF : 133.7/116

- sign 2278.470 ± 1441.734 χ^2/NDF : 65.7/58

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: 7004.423+/-1.311 χ^2/NDF : 8324673.2/35

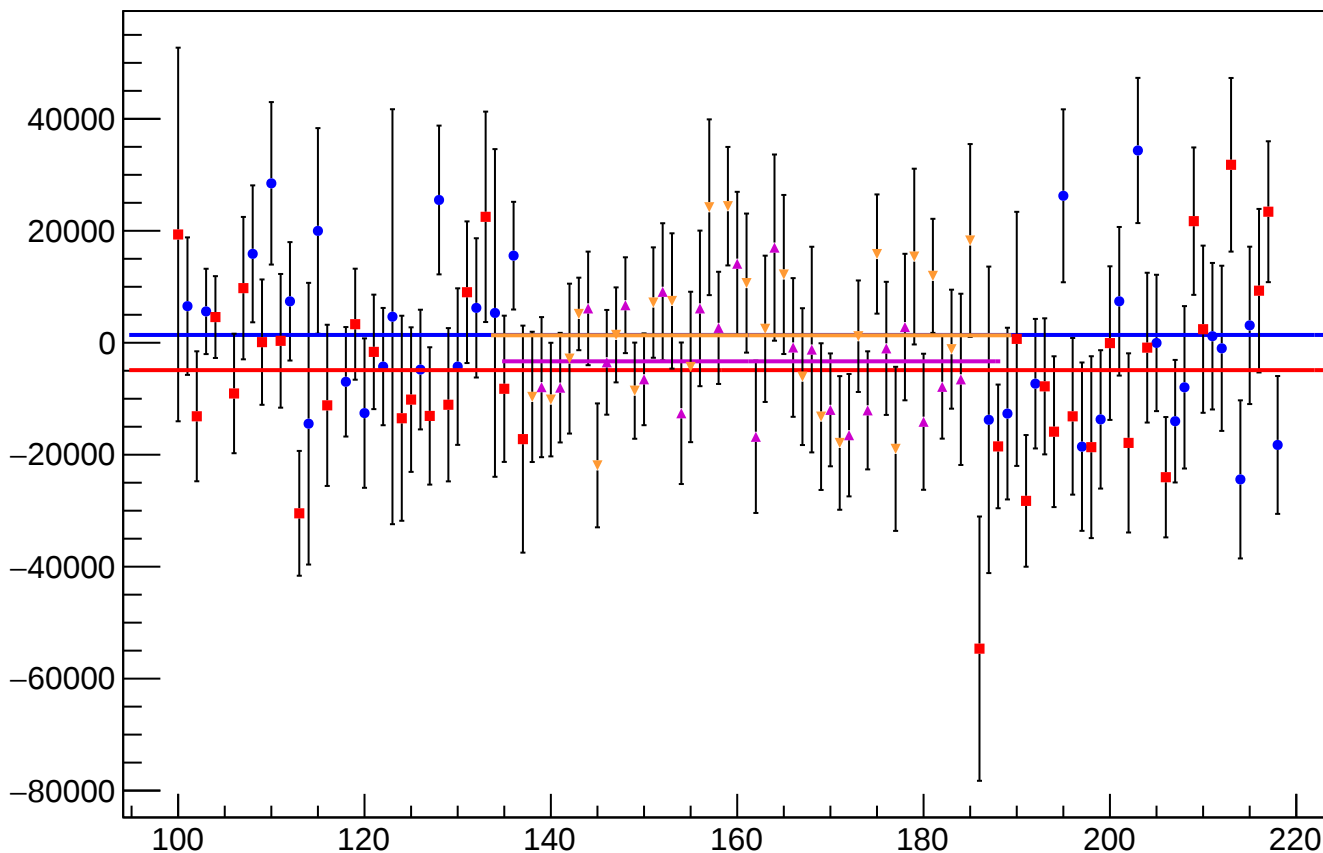
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8687.440+/-1.060 χ^2/NDF : 5502561.7/57

All: 8305.458+/-0.735 χ^2/NDF : 16543288.6/100

- sign 7952.166+/-1.019 χ^2/NDF : 10790782.6/58

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: -4890.679+/-2146.079 χ^2/NDF : 47.3/35

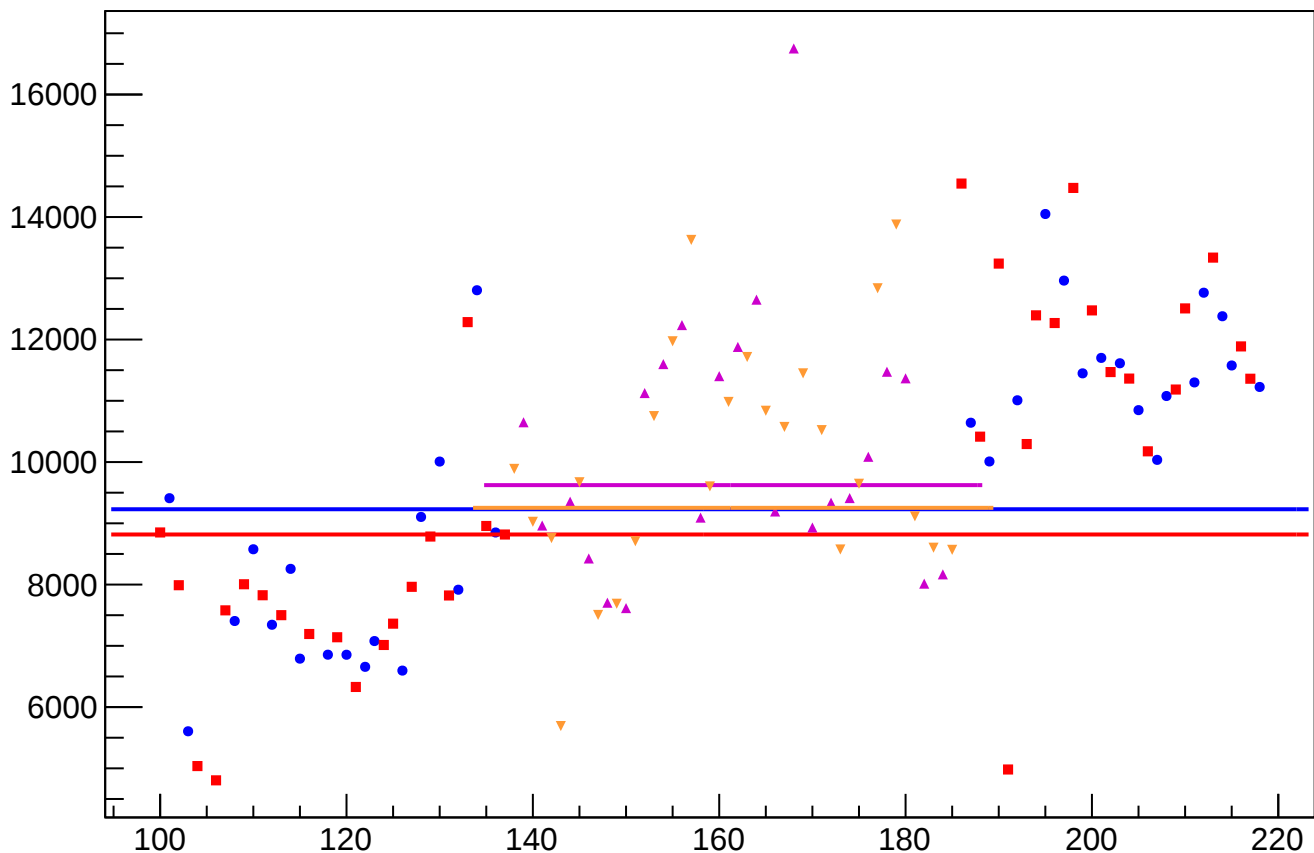
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 1364.036+/-1574.328 χ^2/NDF : 66.0/57

All: -1389.330+/-1116.281 χ^2/NDF : 133.4/11

- sign -4173.211+/-1583.028 χ^2/NDF : 61.3/58

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: 8817.744 $\pm$ 1.517 χ^2 /NDF: 3047838.9/35

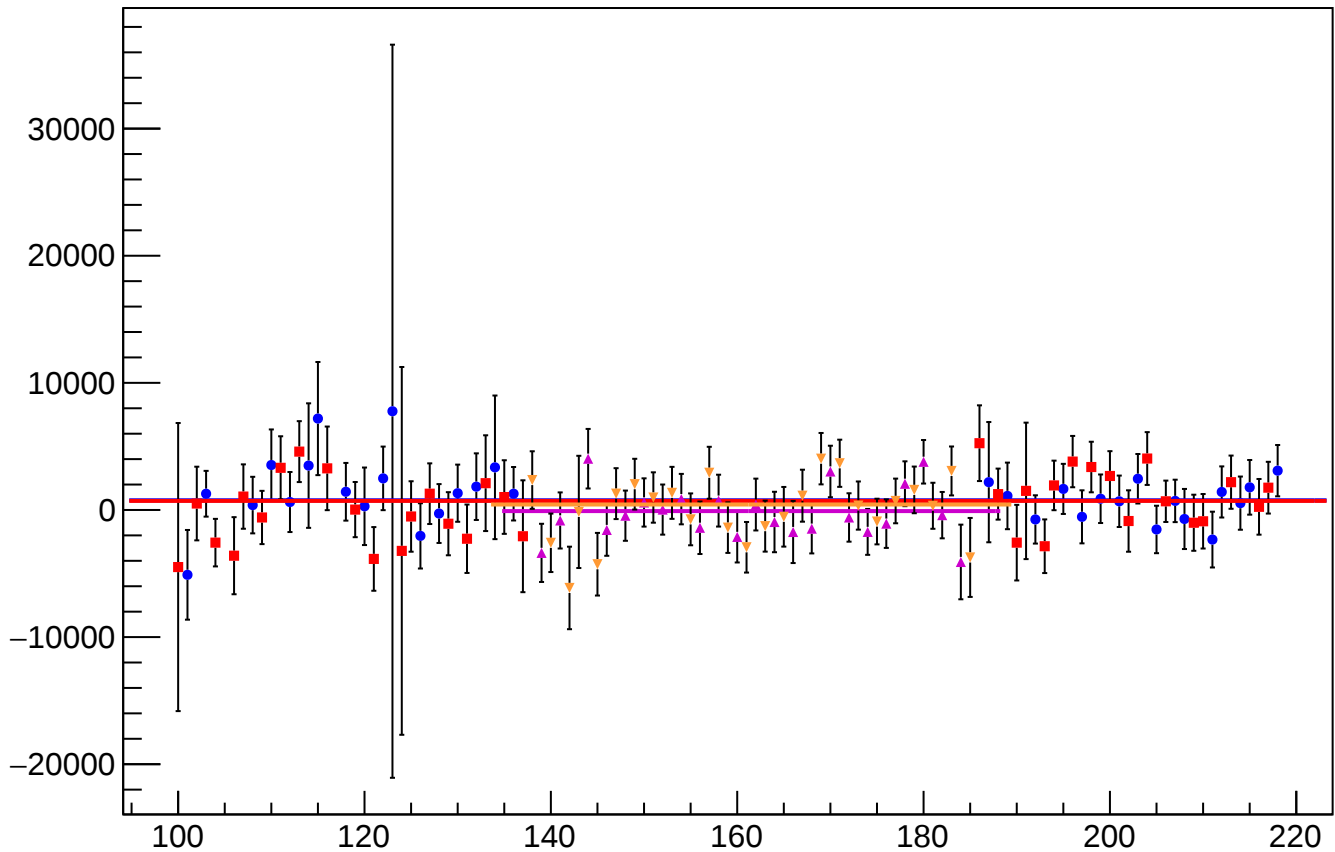
Left In: 9623.485 $\pm$ 1.658 χ^2 /NDF:1069924.0/22

+ sign 9241.335 $\pm$ 1.113 χ^2 /NDF: 3720920.1/57

All: 9213.340 $\pm$ 0.789 χ^2 /NDF: 7968491.7/11

- sign 9185.037 $\pm$ 1.119 χ^2 /NDF: 4246299.8/58

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: 713.603 $\pm$ 401.685 χ^2 /NDF: 33.1/35

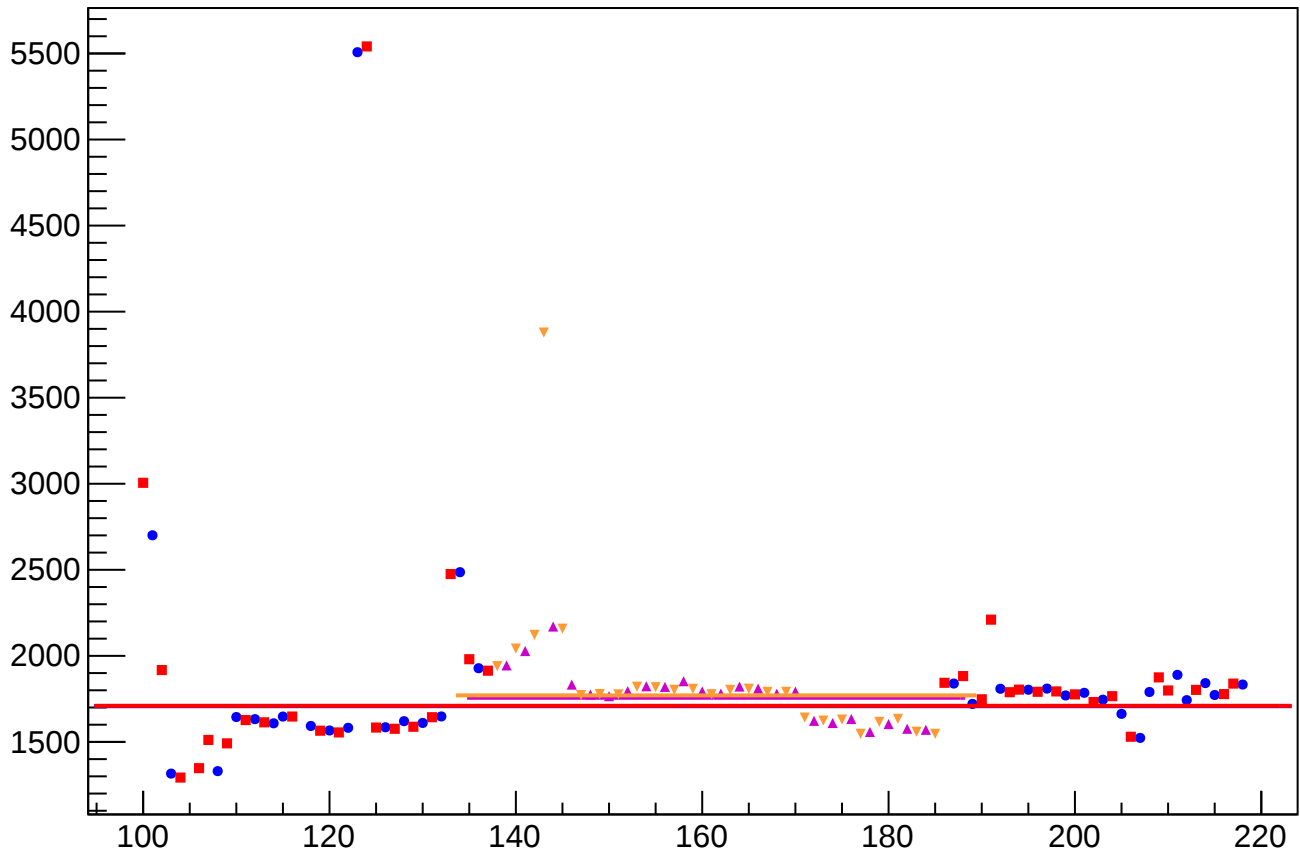
Left In: -88.373 $\pm$ 421.957 χ^2 /NDF: 21.0/22

+ sign 600.139 $\pm$ 290.276 χ^2 /NDF: 45.5/57

All: 466.545 $\pm$ 205.489 χ^2 /NDF: 101.8/116

- sign 332.342 $\pm$ 290.937 χ^2 /NDF: 55.9/58

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: 1709.798 $\pm$ 0.284 χ^2 /NDF: 589854.9/35

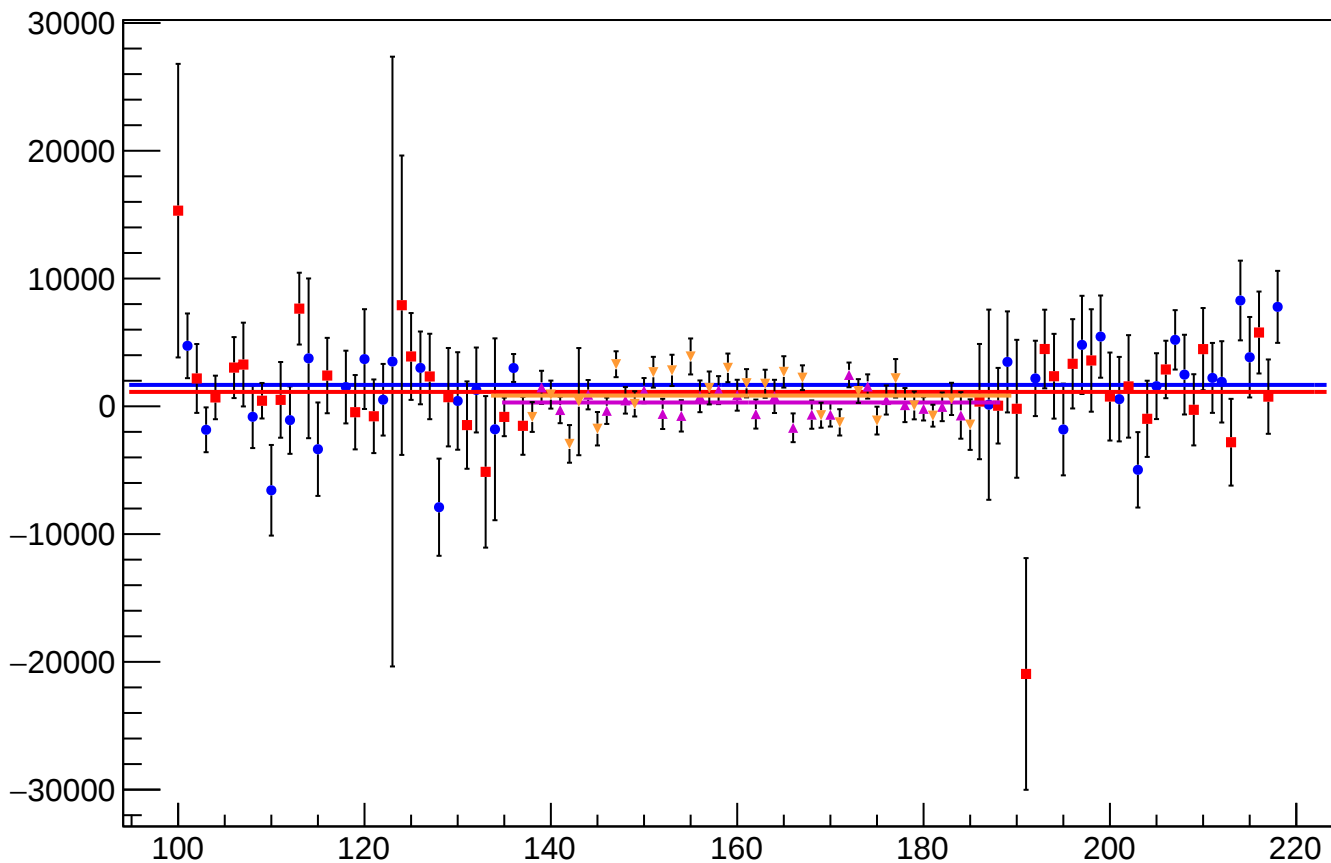
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1738.144 $\pm$ 0.205 χ^2 /NDF: 1241784.4/57

All: 1735.108 $\pm$ 0.145 χ^2 /NDF: 2068075.6/11

- sign 1732.059 $\pm$ 0.206 χ^2 /NDF: 825852.8/58

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: 1126.935 $\pm$ 476.561 χ^2 /NDF: 29.5/35

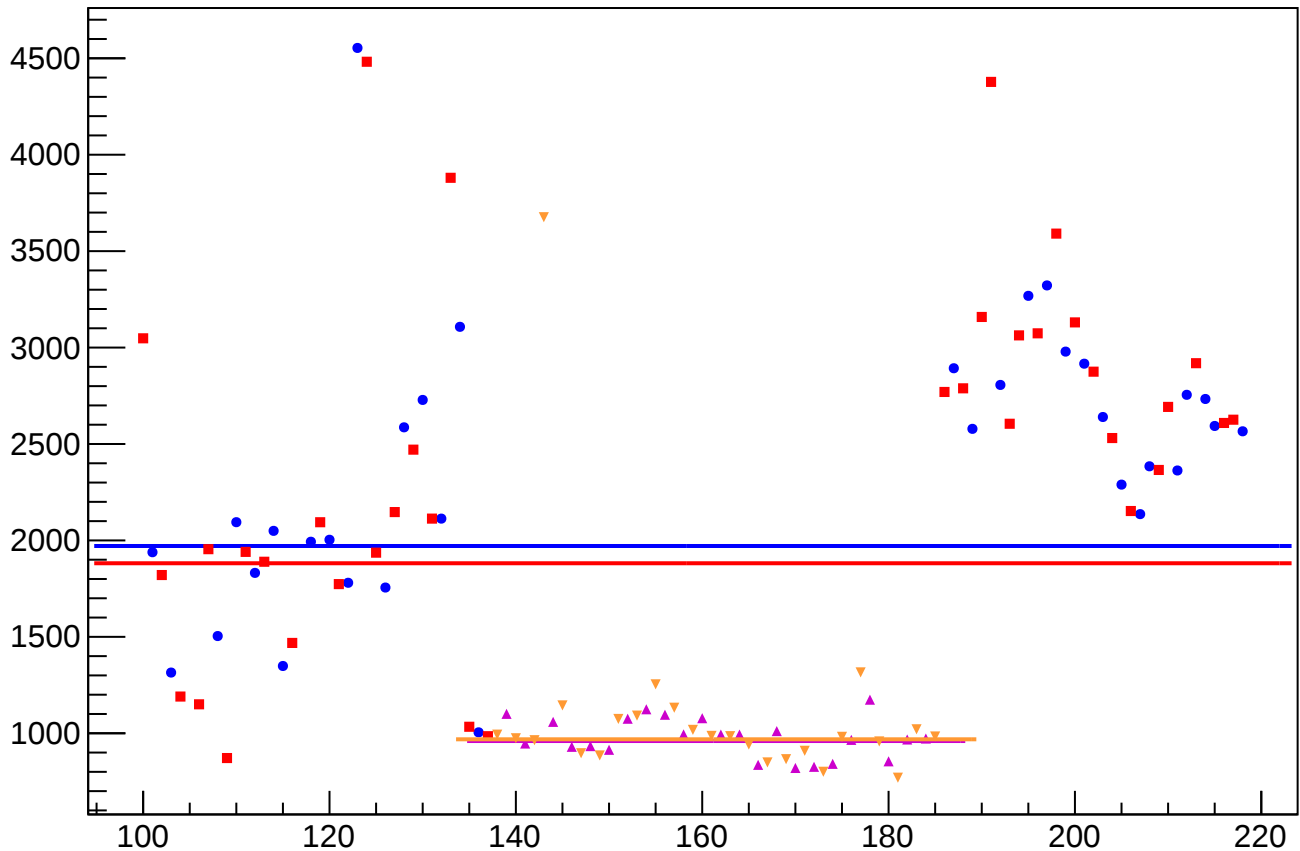
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 990.137 $\pm$ 208.650 χ^2 /NDF: 101.1/57

All: 722.839 $\pm$ 147.364 χ^2 /NDF: 154.6/116

- sign 456.799 $\pm$ 208.158 χ^2 /NDF: 50.2/58

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

+ sign 1149.499+/-0.148 χ^2/NDF : 12163278.4/57

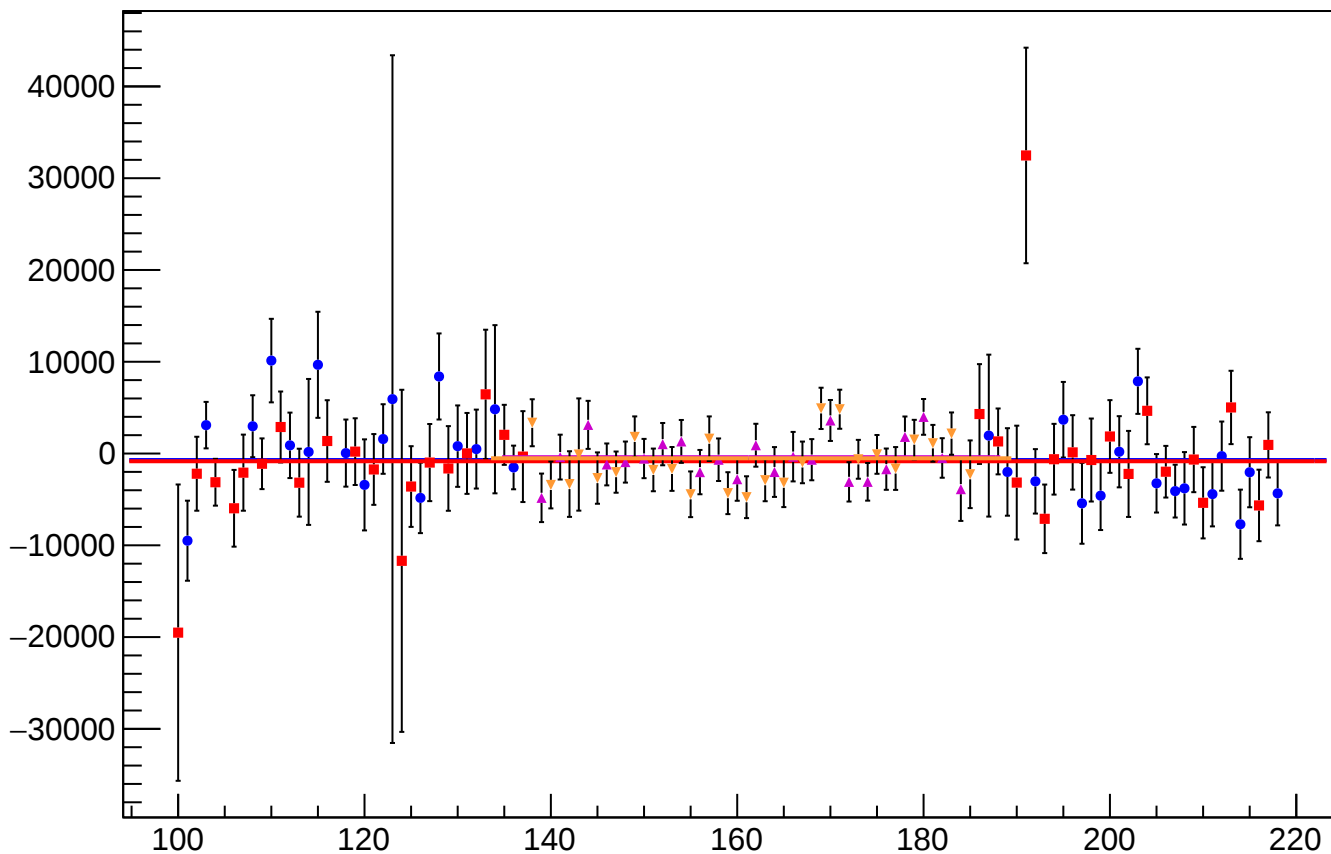
Right Out: 1881.587+/-0.337 χ^2/NDF : 5595403.0/35

All: 1142.568+/-0.104 χ^2/NDF : 24189271.2/100

Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

- sign 1135.670+/-0.147 χ^2/NDF : 12021589.2/58

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: -840.634+/-671.029 χ^2/NDF : 28.8/35

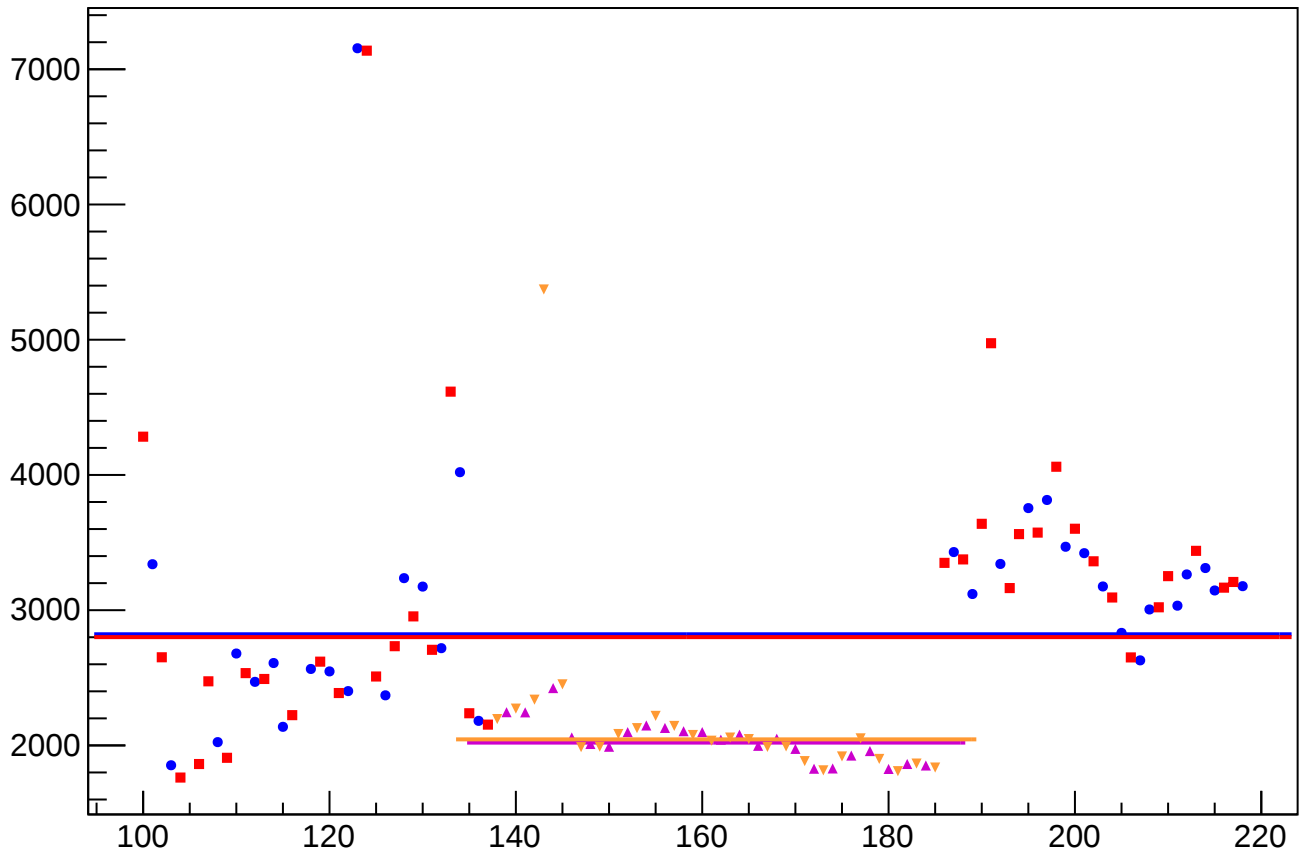
Left In: -397.398+/-485.048 χ^2/NDF : 21.8/22

+ sign -581.656+/-392.337 χ^2/NDF : 75.3/57

All: -565.614+/-277.694 χ^2/NDF : 126.3/116

- sign -549.511+/-393.102 χ^2/NDF : 51.0/58

asym_at2_dd_rms vs Slug



Right In: 2821.880 $\pm$ 0.479 χ^2 /NDF: 1297023.3/32

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2800.796 $\pm$ 0.474 χ^2 /NDF: 1865700.0/35

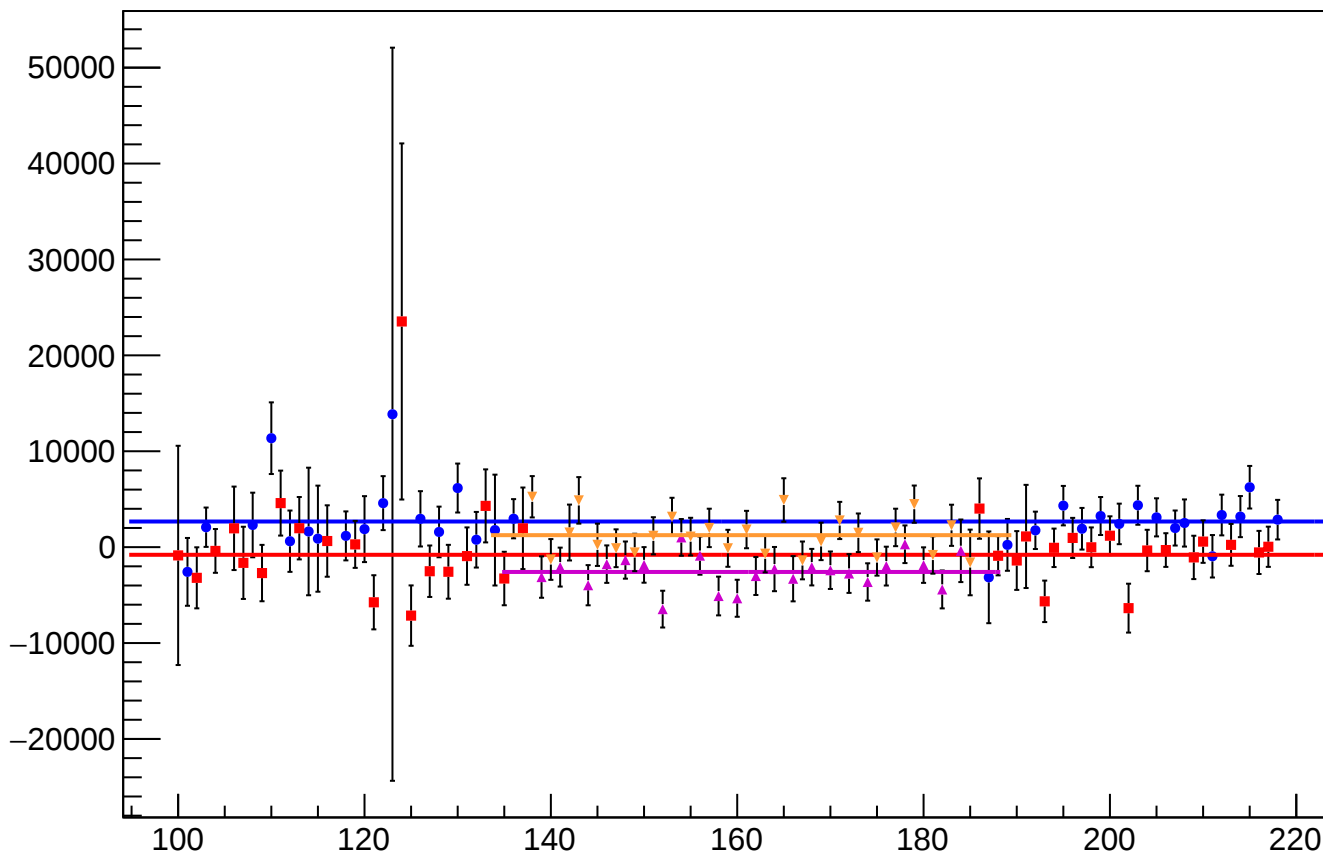
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2305.868 $\pm$ 0.277 χ^2 /NDF: 3836599.5/57

All: 2297.194 $\pm$ 0.196 χ^2 /NDF: 7652667.8/11

- sign 2288.486 $\pm$ 0.278 χ^2 /NDF: 3814109.2/58

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: -797.216 $\pm$ 438.752 χ^2 /NDF: 32.9/35

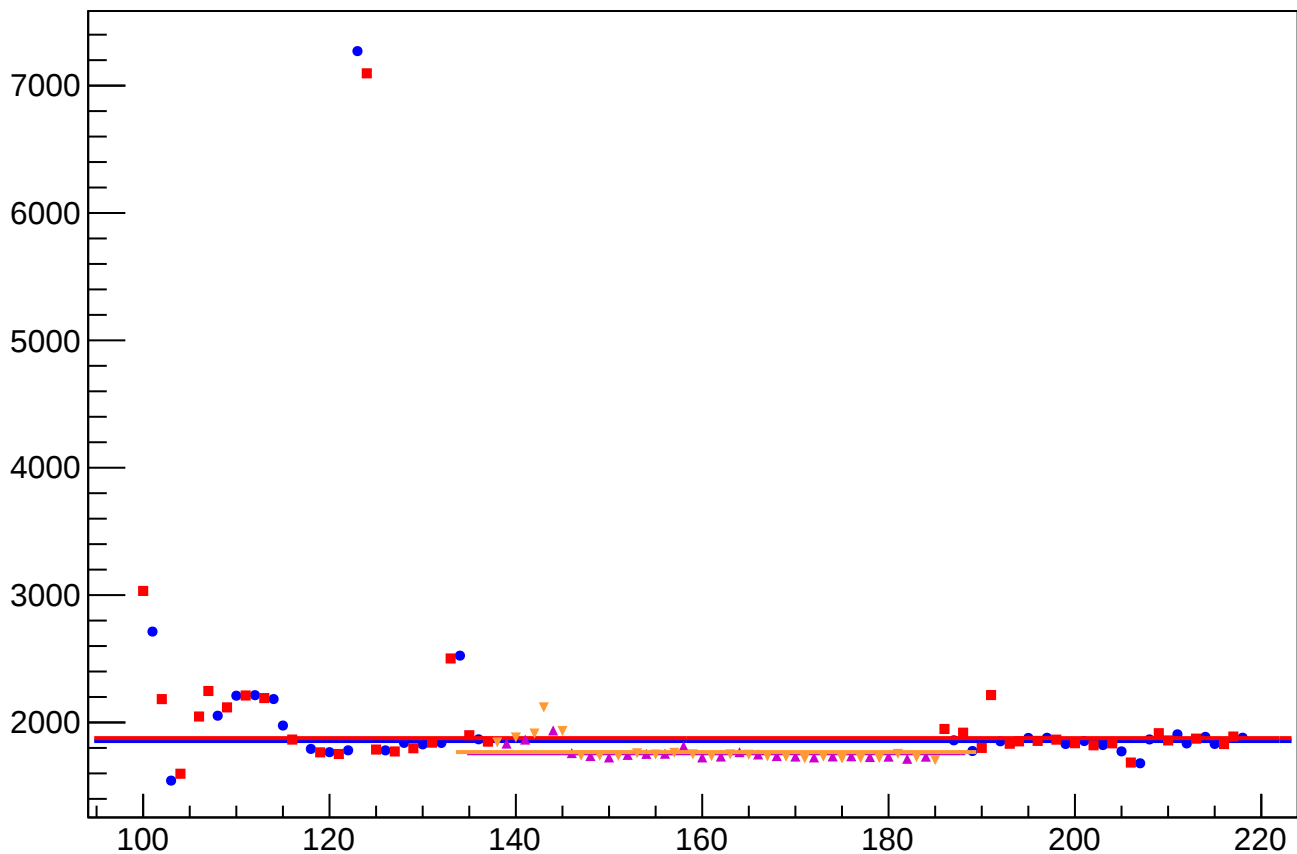
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1919.266 $\pm$ 300.265 χ^2 /NDF: 50.0/57

All: 118.002 $\pm$ 213.616 χ^2 /NDF: 181.9/116

- sign -1727.933 $\pm$ 303.965 χ^2 /NDF: 59.0/58

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: 1877.028 $\pm$ 0.310 χ^2 /NDF: 410722.2/35

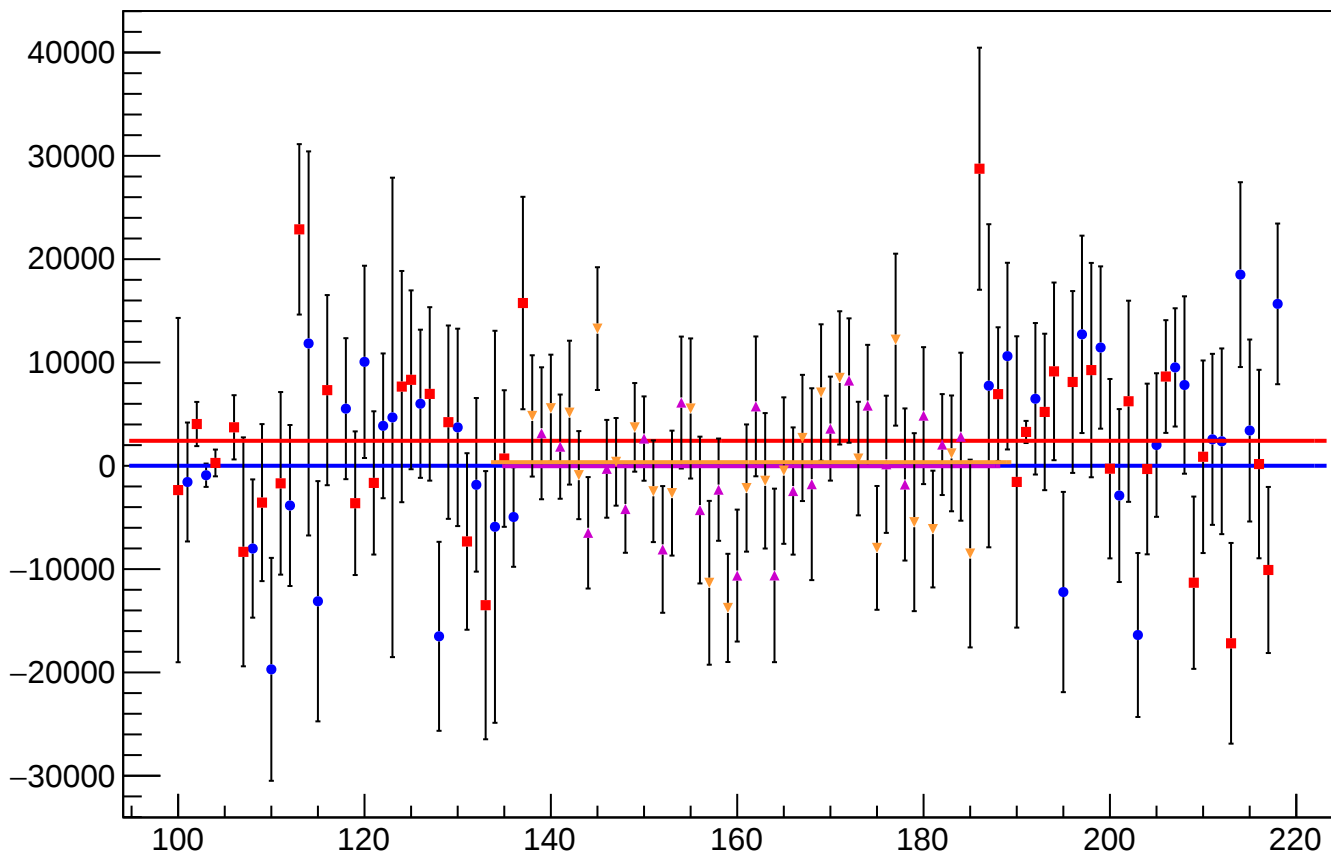
Left In: 1758.076 $\pm$ 0.298 χ^2 /NDF: 29806.0/22

+ sign 1808.213 $\pm$ 0.212 χ^2 /NDF: 439072.7/57

All: 1811.665 $\pm$ 0.151 χ^2 /NDF: 956627.9/116

- sign 1815.202 $\pm$ 0.215 χ^2 /NDF: 517020.0/58

asym_atl1r2_avg_correction_mean vs Slug



Right In: 4.046 ± 888.484 $\chi^2/\text{NDF}: 39.5/32$

Left Out: 351.227 ± 1170.051 $\chi^2/\text{NDF}: 27.8/24$

Right Out: 2419.388 ± 670.310 $\chi^2/\text{NDF}: 37.3/35$

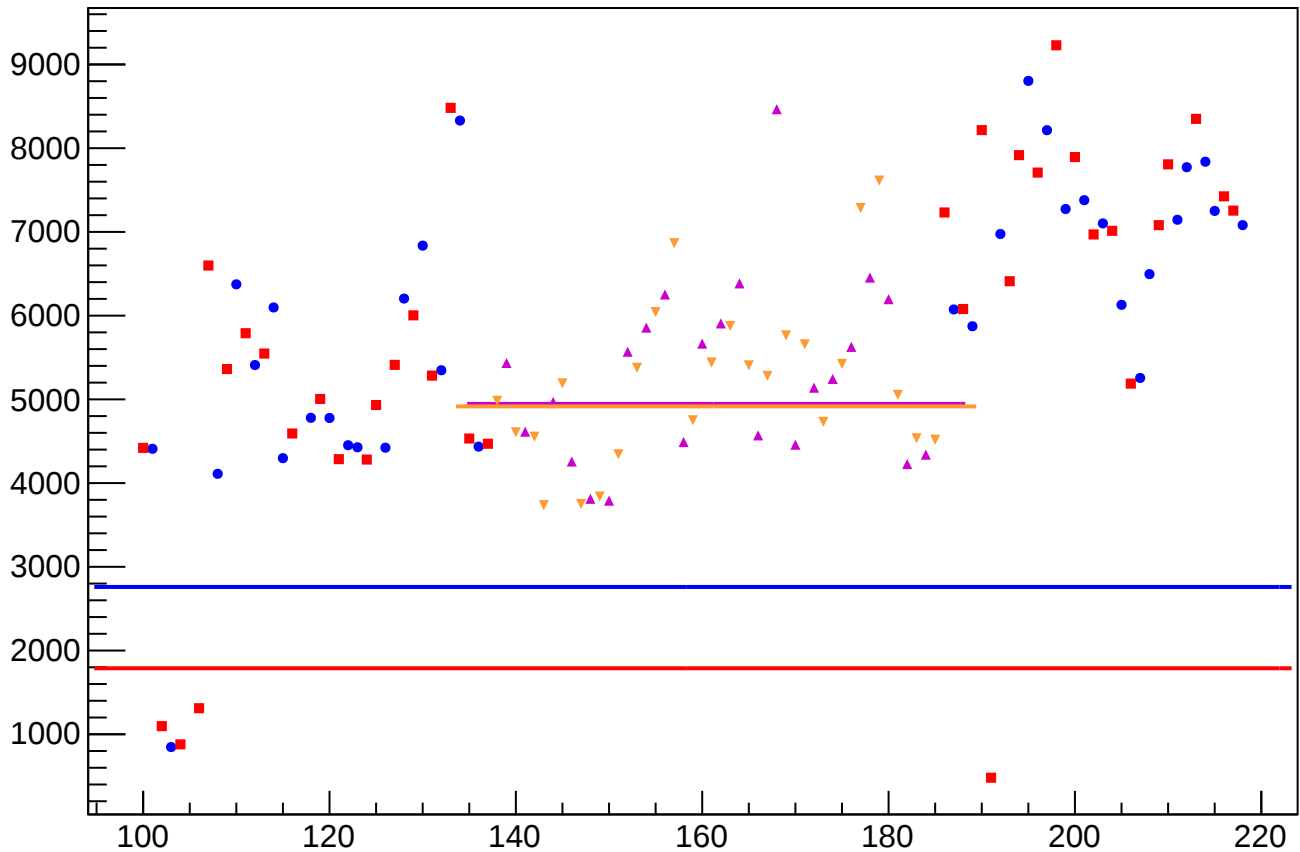
Left In: -40.618 ± 1207.491 $\chi^2/\text{NDF}: 16.0/22$

+ sign 131.021 ± 707.597 $\chi^2/\text{NDF}: 67.4/57$

All: 1144.589 ± 451.354 $\chi^2/\text{NDF}: 127.3/116$

- sign 1839.884 ± 586.063 $\chi^2/\text{NDF}: 56.5/58$

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2759.428 ± 0.628 $\chi^2/\text{NDF}: 16779310.0/32$

Left Out: 4915.865 ± 0.827 $\chi^2/\text{NDF}: 1186479.7/24$

Right Out: 1788.014 ± 0.474 $\chi^2/\text{NDF}: 22081063.4/35$

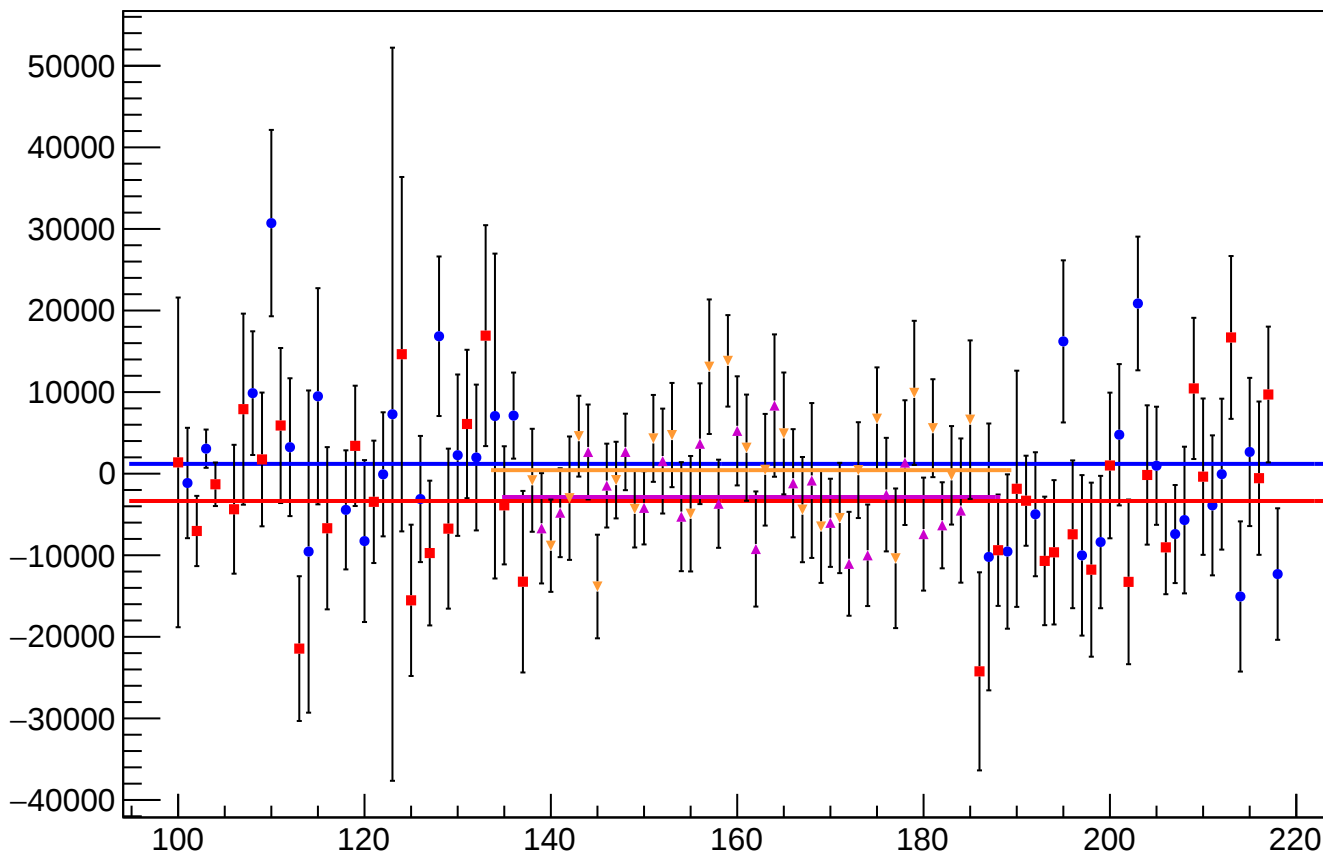
Left In: 4945.817 ± 0.854 $\chi^2/\text{NDF}: 1188288.6/22$

+ sign 3548.105 ± 0.500 $\chi^2/\text{NDF}: 22274693.7/57$

All: 2945.368 ± 0.319 $\chi^2/\text{NDF}: 58446768.6/100$

- sign 2531.898 ± 0.414 $\chi^2/\text{NDF}: 33725450.4/58$

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: -3348.706+/-1261.022 χ^2/NDF : 33.4/35

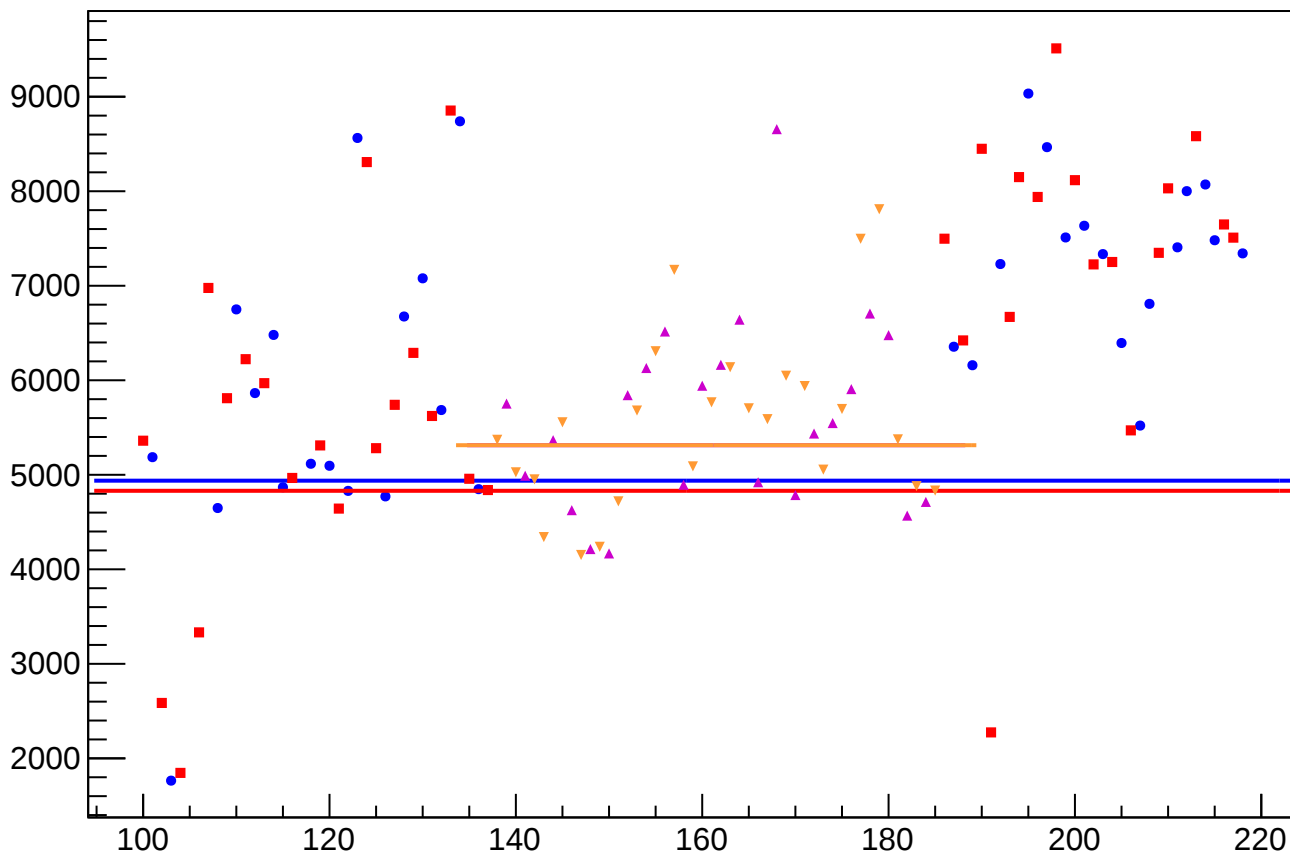
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 807.396+/-898.920 χ^2/NDF : 64.9/57

All: -1143.658+/-636.909 χ^2/NDF : 120.7/116

- sign -3110.467+/-902.542 χ^2/NDF : 46.4/58

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: 4830.651 $\pm$ 0.888 χ^2 /NDF: 7040555.6/35

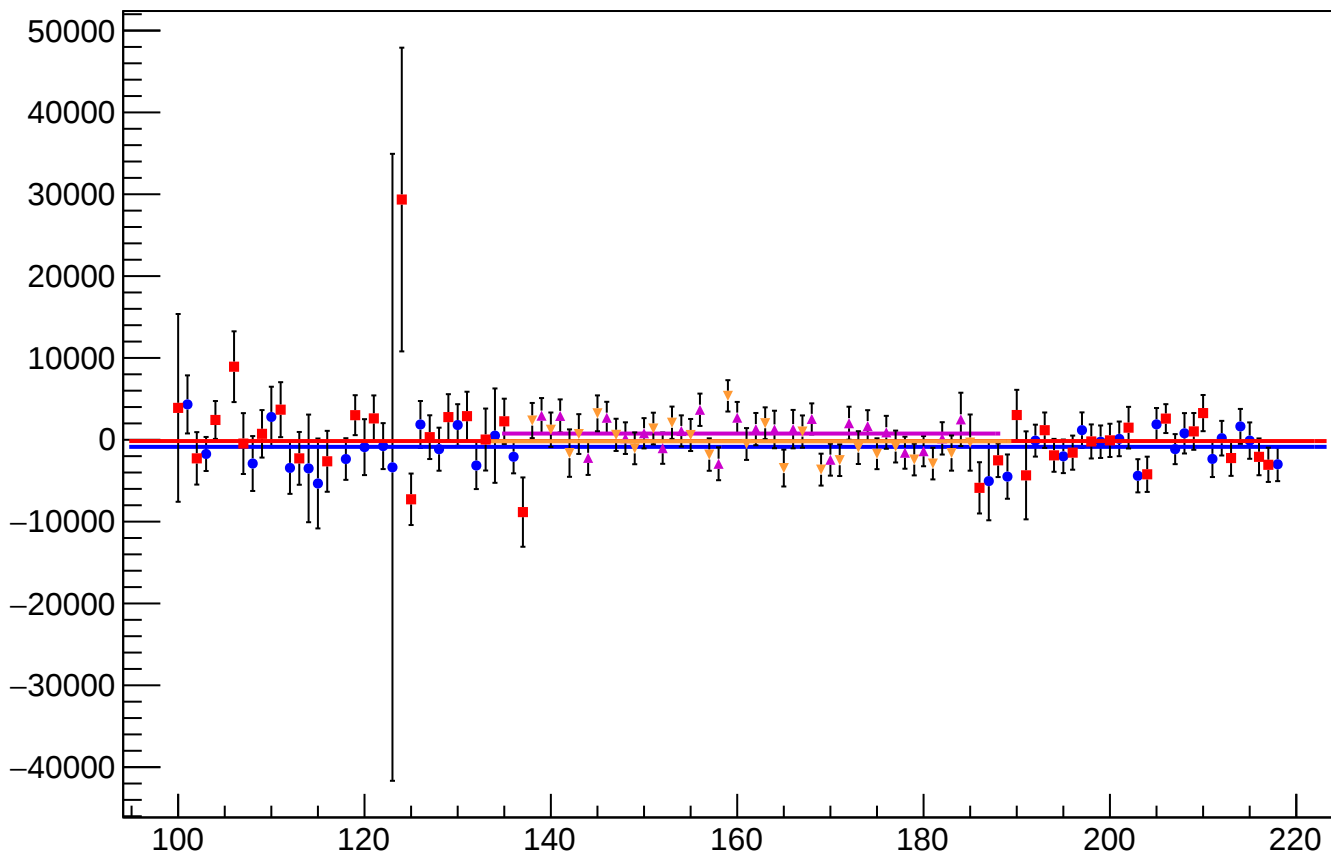
Left In: 5312.861 $\pm$ 0.914 χ^2 /NDF: 957400.7/22

+ sign 5129.297 $\pm$ 0.636 χ^2 /NDF: 7528659.2/57

All: 5097.136 $\pm$ 0.450 χ^2 /NDF: 15674959.7/100

- sign 5064.852 $\pm$ 0.637 χ^2 /NDF: 8141170.8/58

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: -155.814 ± 438.357 χ^2/NDF : 46.5/35

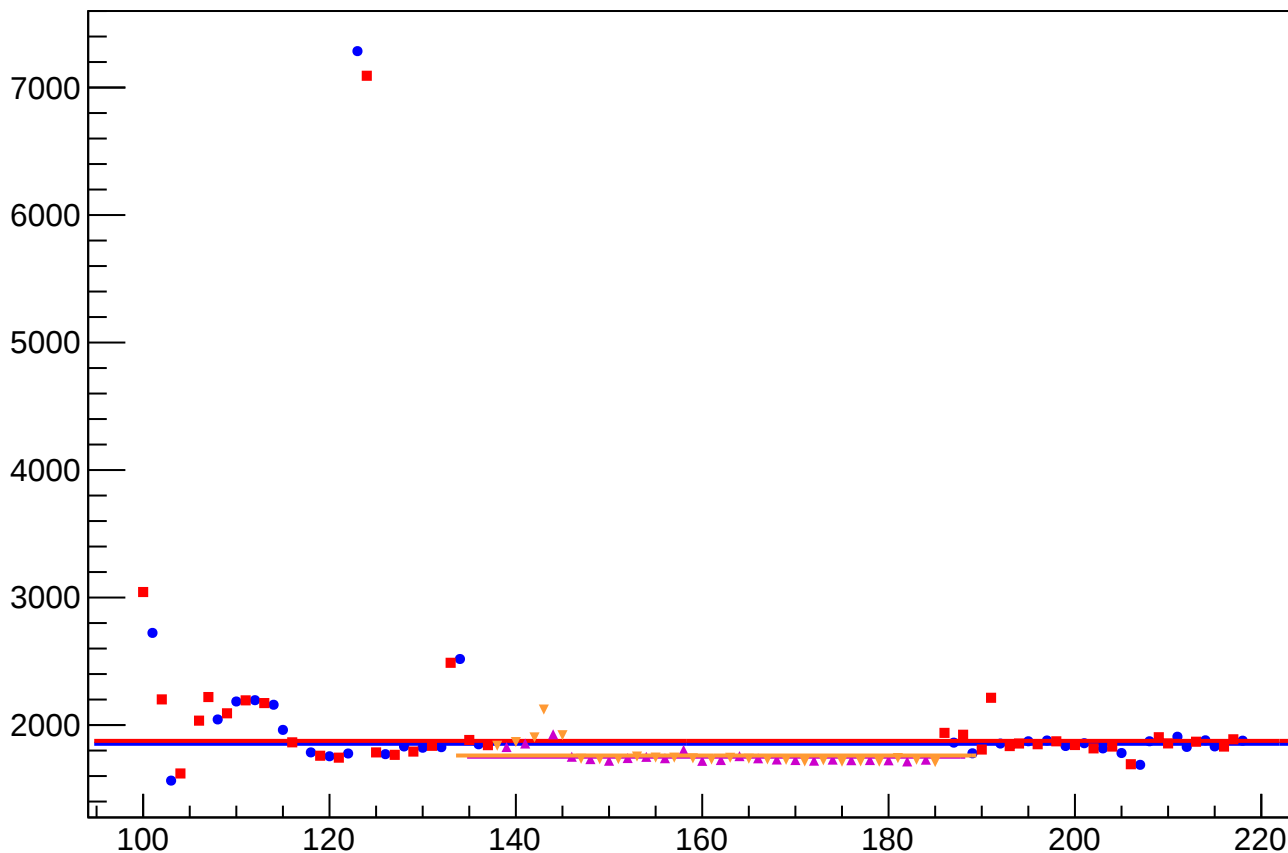
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -500.915 ± 299.571 χ^2/NDF : 52.0/57

All: -94.629 ± 213.111 χ^2/NDF : 124.7/116

- sign 321.645 ± 303.231 χ^2/NDF : 69.0/58

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: 1875.916+/-0.310 χ^2/NDF : 395733.7/35

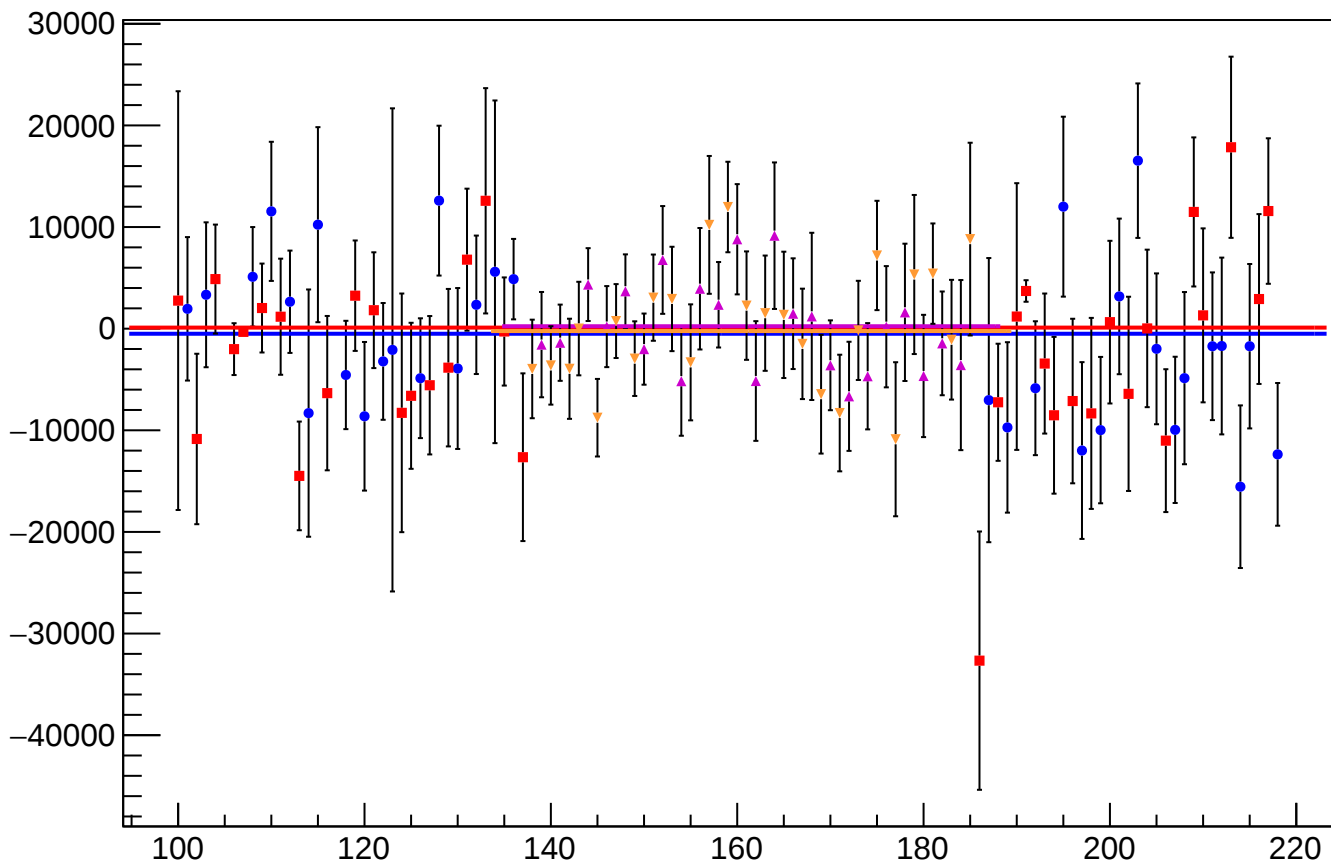
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1804.163+/-0.212 χ^2/NDF : 431719.7/57

All: 1807.553+/-0.151 χ^2/NDF : 940728.1/116

- sign 1811.026+/-0.214 χ^2/NDF : 508489.7/58

asym_atl1r2_dd_correction_mean vs Slug



Right In: -499.892 ± 1235.935 $\chi^2/\text{NDF}: 36.3/32$

Left Out: -235.806 ± 1005.144 $\chi^2/\text{NDF}: 28.9/24$

Right Out: 105.069 ± 408.393 $\chi^2/\text{NDF}: 54.7/35$

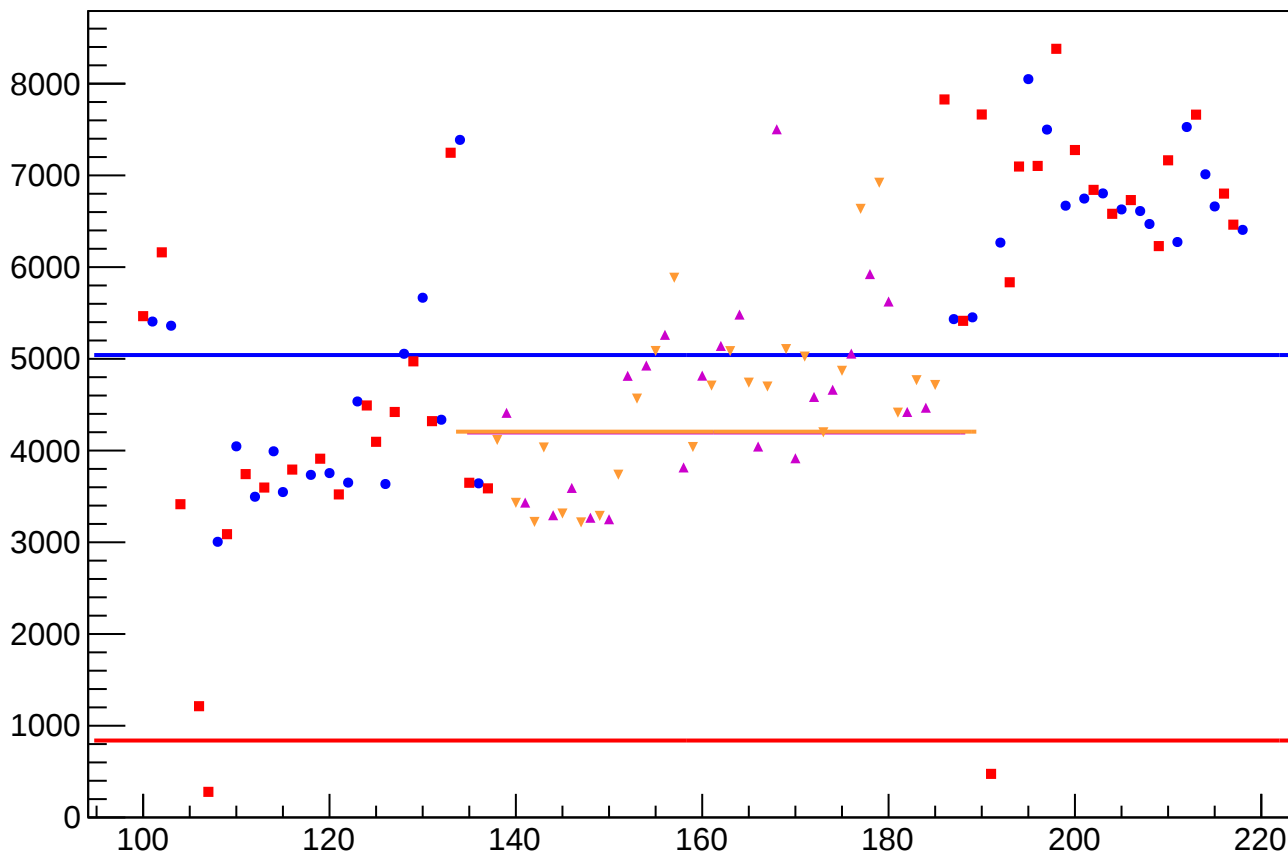
Left In: 239.224 ± 1028.883 $\chi^2/\text{NDF}: 15.3/22$

+ sign -340.938 ± 779.814 $\chi^2/\text{NDF}: 65.2/57$

All: 34.397 ± 341.298 $\chi^2/\text{NDF}: 135.5/116$

- sign 123.328 ± 379.584 $\chi^2/\text{NDF}: 70.0/58$

asym_atl1r2_dd_correction_rms vs Slug



Right In: 5041.481+/-0.874 χ^2/NDF : 2902759.2/32

Left Out: 4206.076+/-0.711 χ^2/NDF :1442269.3/24

Right Out: 838.727+/-0.289 χ^2/NDF : 28426589.6/35

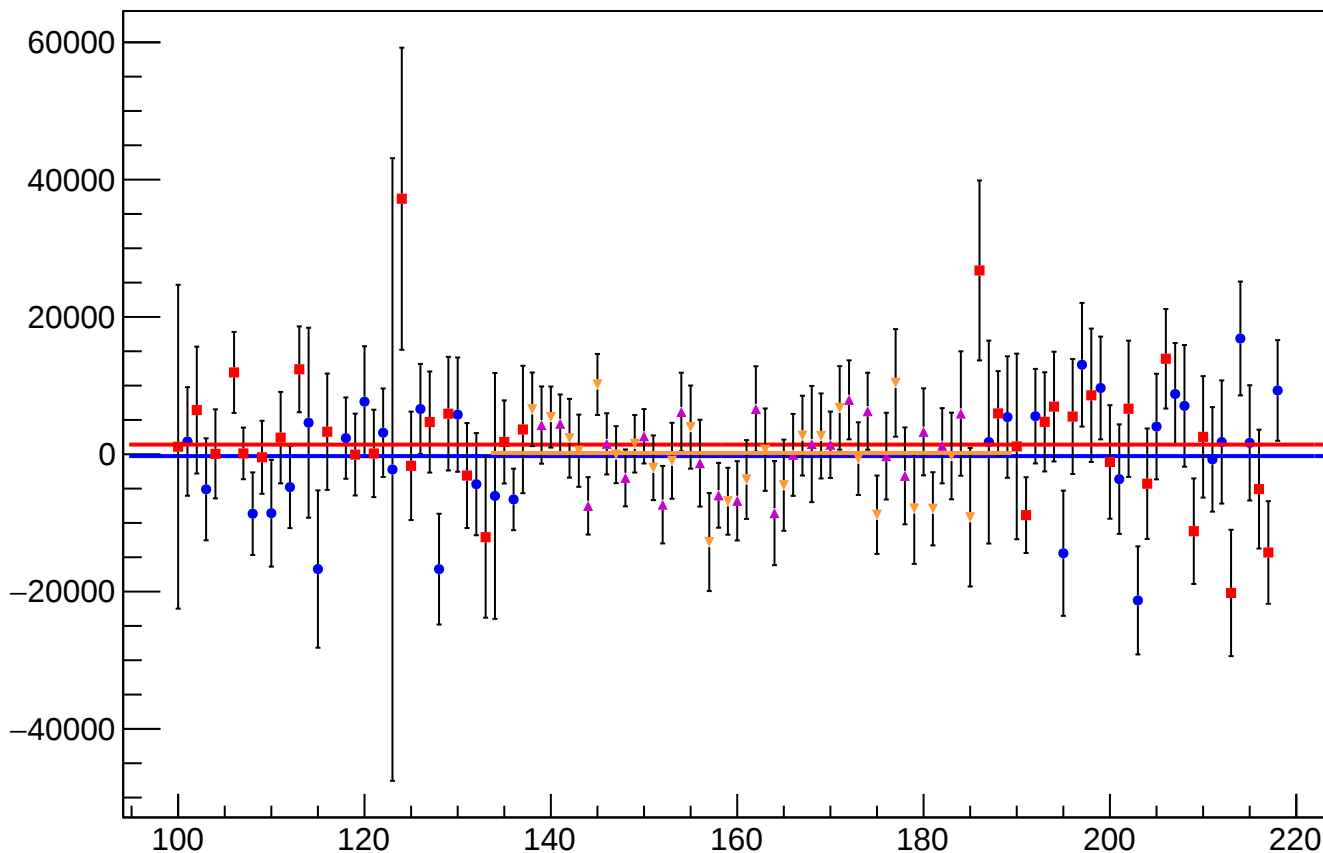
Left In: 4197.267+/-0.728 χ^2/NDF :1471012.9/22

+ sign 4538.649+/-0.551 χ^2/NDF : 4895022.8/57

All: 1917.017+/-0.241 χ^2/NDF : 81162988.1/1

- sign 1295.852+/-0.268 χ^2/NDF : 48307790.3/58

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: 1404.784+/-1227.394 χ^2/NDF : 38.3/35

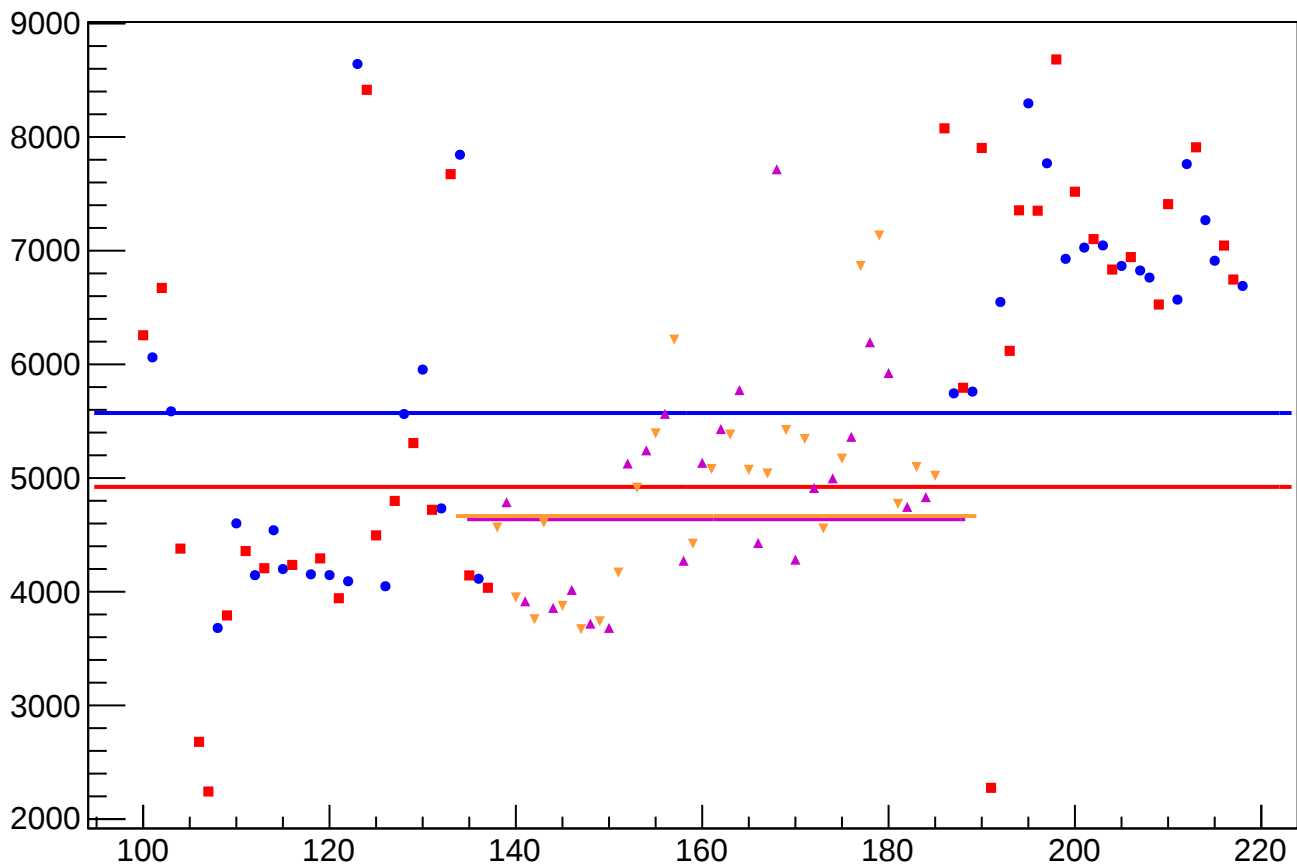
Left In: 137.477+/-1129.656 χ^2/NDF : 18.6/22

+ sign 6.448+/-855.836 χ^2/NDF : 64.4/57

All: 372.959+/-596.265 χ^2/NDF : 122.2/116

- sign 718.670+/-831.196 χ^2/NDF : 57.5/58

asym_atl1r2_dd_rms vs Slug



Right In: 5572.158 ± 0.954 $\chi^2/\text{NDF}: 2089831.7/32$

Left Out: 4665.620 ± 0.783 $\chi^2/\text{NDF}: 1017235.0/24$

Right Out: 4922.172 ± 0.865 $\chi^2/\text{NDF}: 4567874.6/35$

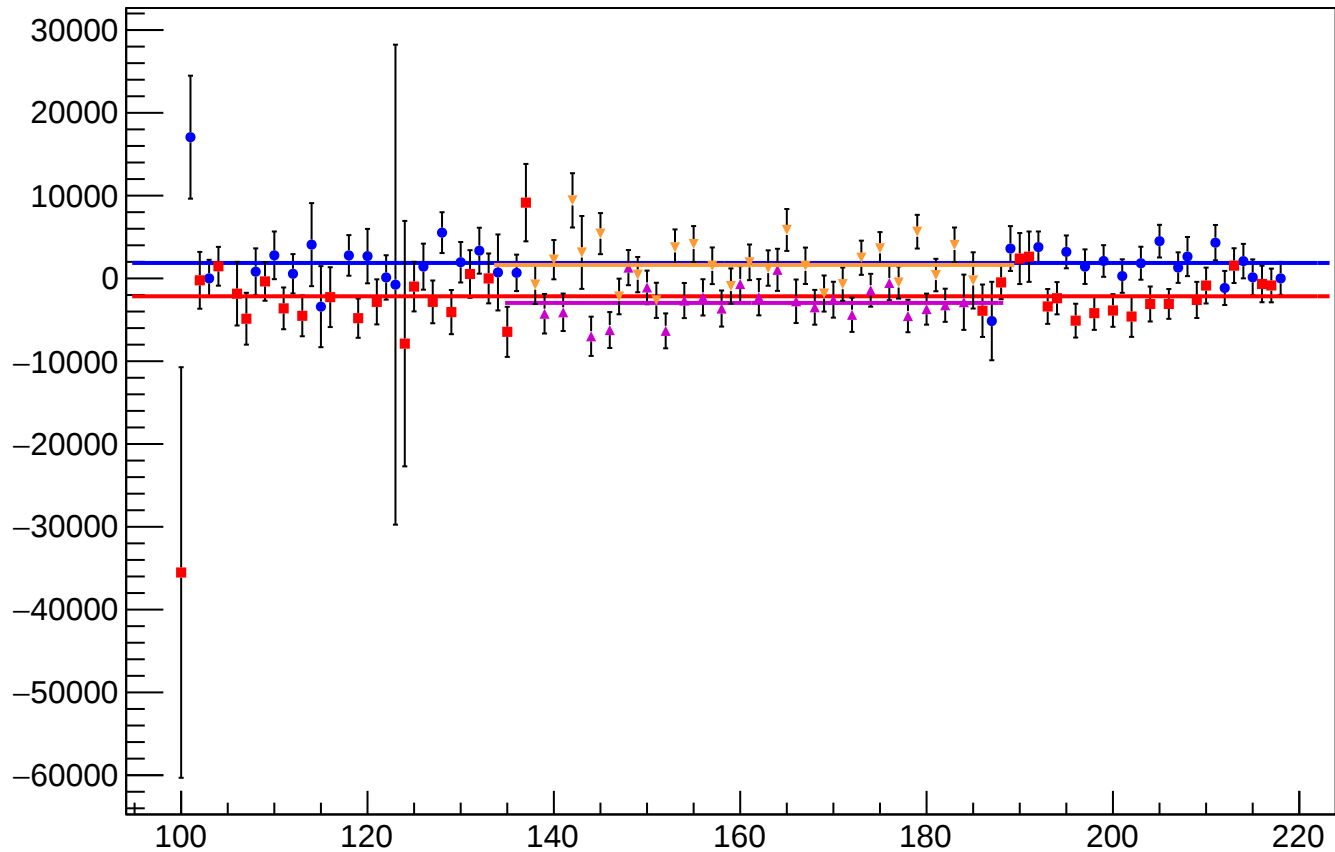
Left In: 4637.777 ± 0.799 $\chi^2/\text{NDF}: 1065217.2/22$

+ sign 5030.171 ± 0.605 $\chi^2/\text{NDF}: 3646573.2/57$

All: 4895.411 ± 0.421 $\chi^2/\text{NDF}: 9434237.0/11$

- sign 4768.754 ± 0.587 $\chi^2/\text{NDF}: 5691470.1/58$

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: -2158.414 $\pm$ 418.541 χ^2 /NDF: 34.2/35

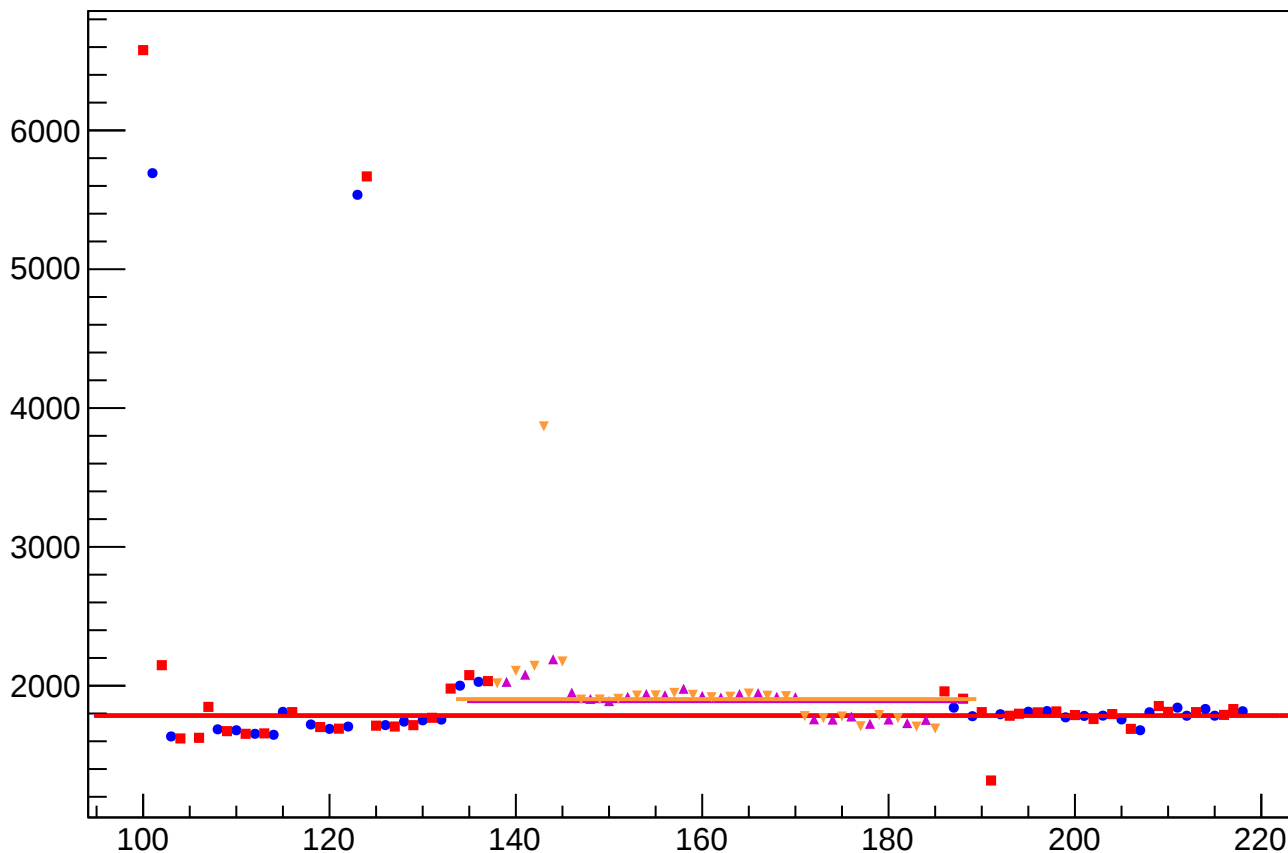
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1755.739 $\pm$ 307.648 χ^2 /NDF: 57.6/57

All: -385.425 $\pm$ 217.533 χ^2 /NDF: 210.8/116

- sign -2526.325 $\pm$ 307.629 χ^2 /NDF: 56.3/58

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1786.671+/-0.300 χ^2/NDF : 656045.9/32

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1782.540+/-0.295 χ^2/NDF : 378326.8/35

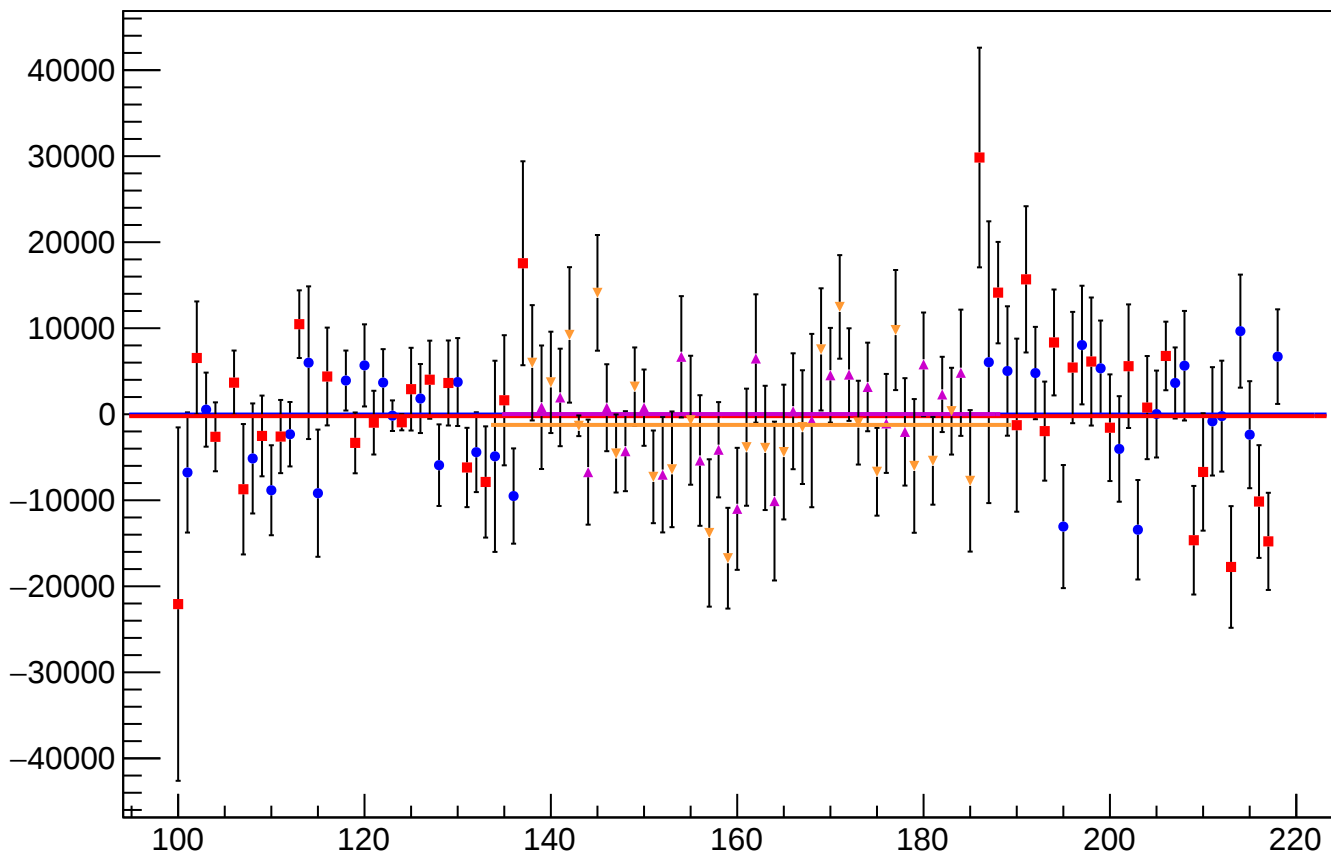
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1842.052+/-0.218 χ^2/NDF : 1269669.9/57

All: 1836.677+/-0.154 χ^2/NDF : 1835185.8/11

- sign 1831.317+/-0.217 χ^2/NDF : 564296.6/58

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: -222.969 ± 657.606 χ^2/NDF : 65.7/35

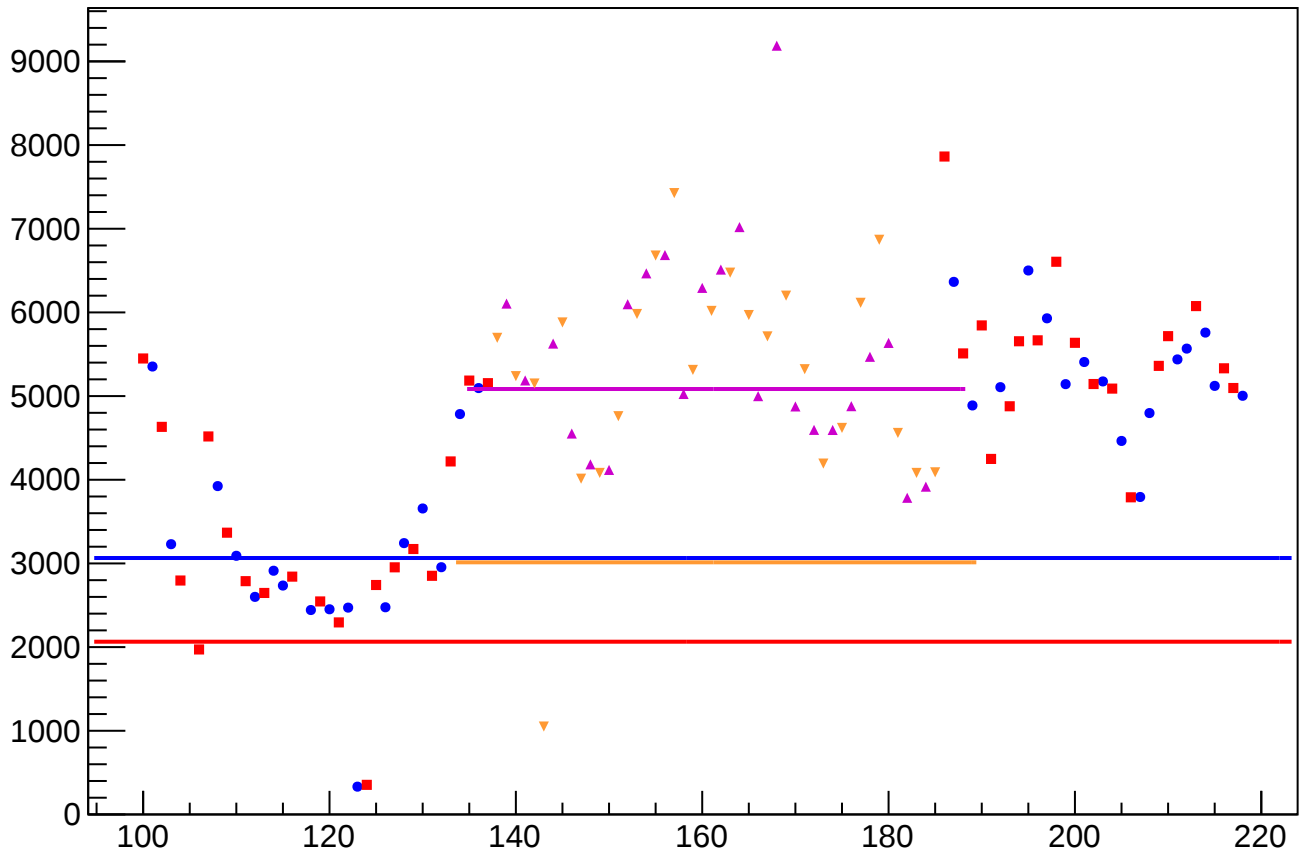
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -618.776 ± 602.620 χ^2/NDF : 69.9/57

All: -386.705 ± 418.377 χ^2/NDF : 149.1/116

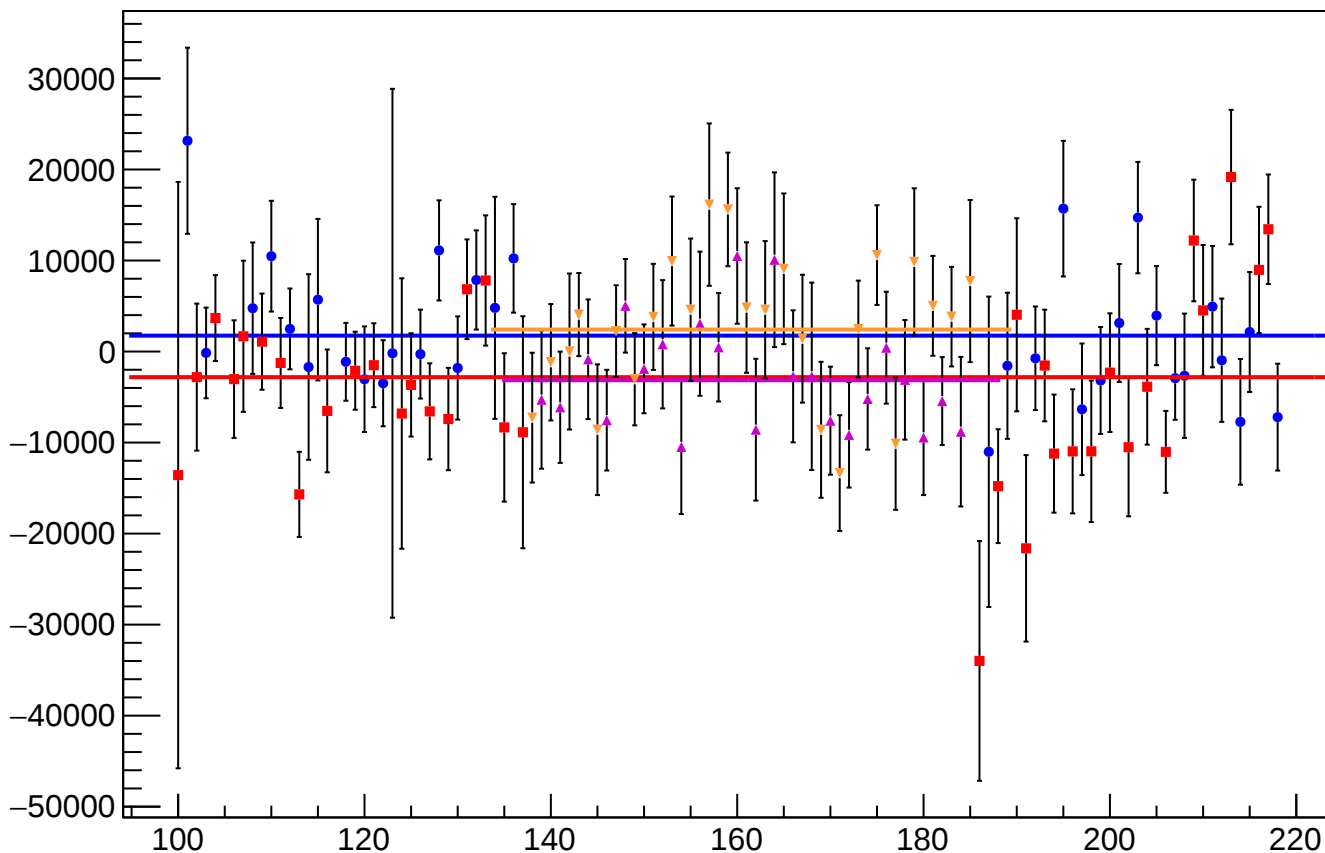
- sign -170.761 ± 581.305 χ^2/NDF : 79.0/58

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: 2876.593+/-0.296	χ^2/NDF : 49938868.8/1
Right Out: 2064.517+/-0.465	χ^2/NDF : 17425489.1/35	- sign 2724.707+/-0.411	χ^2/NDF : 27950374.7/58
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: -2813.532 $\pm$ 1063.141 χ^2 /NDF: 65.0/35

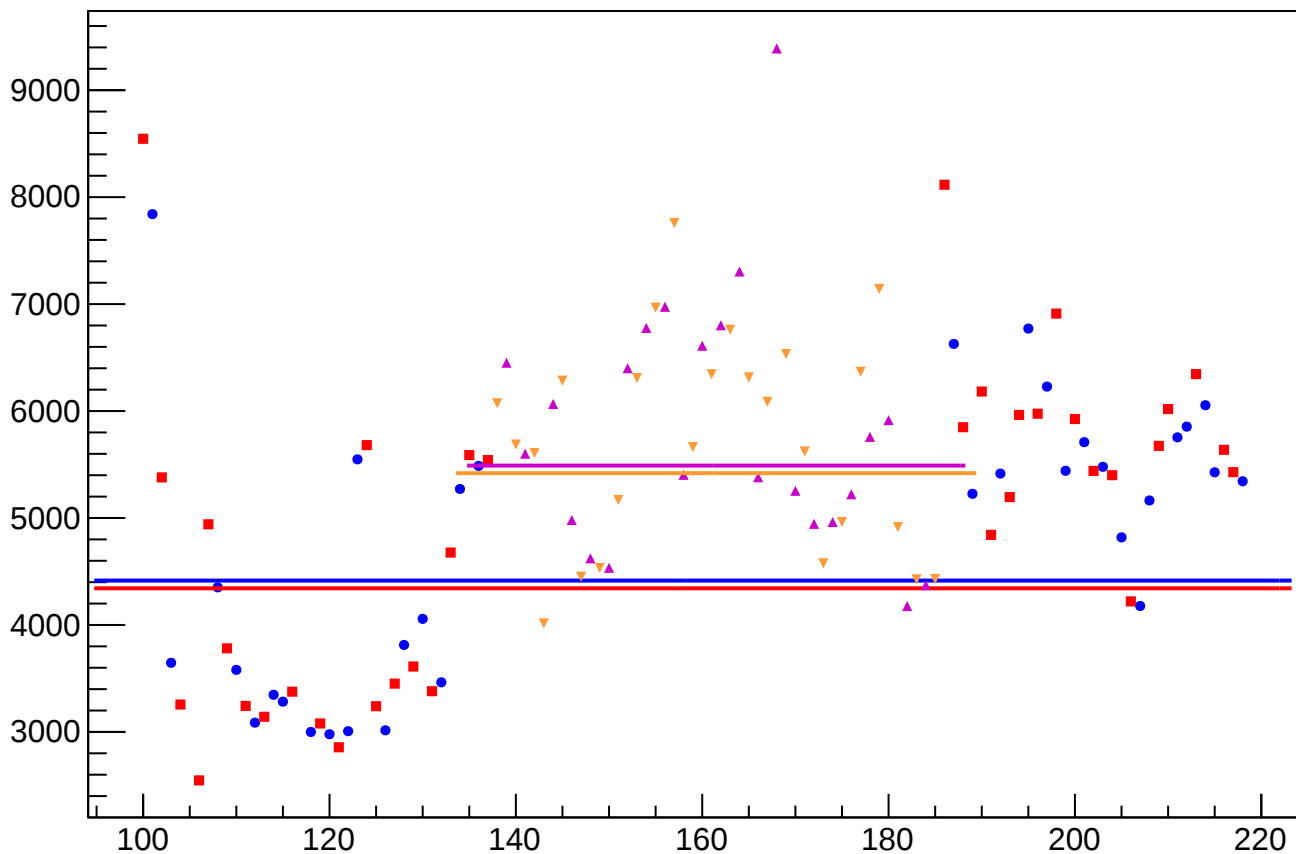
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF: 15.5/22

+ sign 2023.718 $\pm$ 826.125 χ^2 /NDF: 63.5/57

All: -442.452 $\pm$ 586.302 χ^2 /NDF: 162.0/116

- sign -2945.158 $\pm$ 832.222 χ^2 /NDF: 80.6/58

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: 4342.593+/-0.745 χ^2/NDF : 2953232.8/35

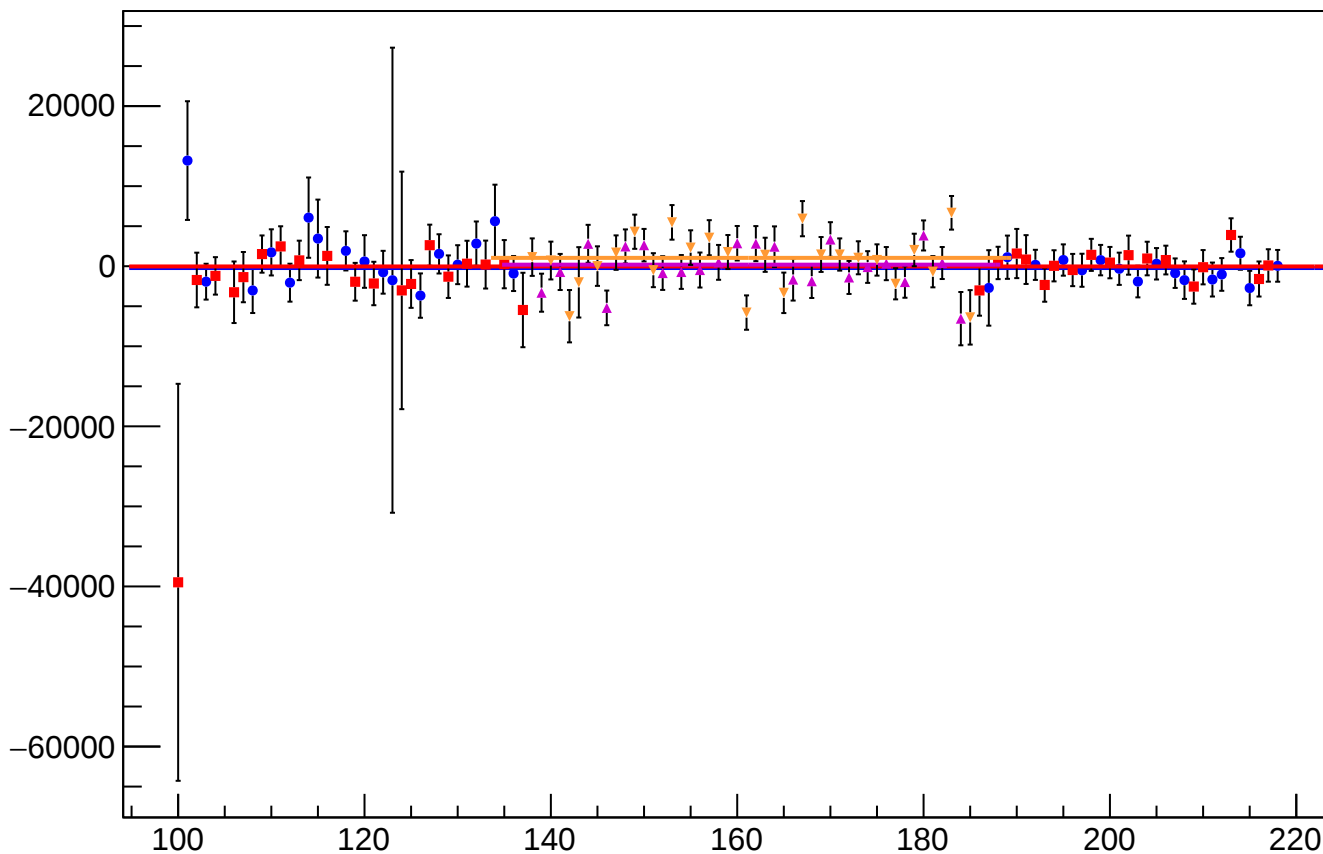
Left In: 5489.885+/-0.946 χ^2/NDF :1064353.3/22

+ sign 4829.154+/-0.584 χ^2/NDF : 4288720.4/57

All: 4805.785+/-0.414 χ^2/NDF : 9217265.2/11

- sign 4782.313+/-0.585 χ^2/NDF : 4925337.0/58

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: -30.517 ± 416.275 χ^2/NDF : 19.5/35

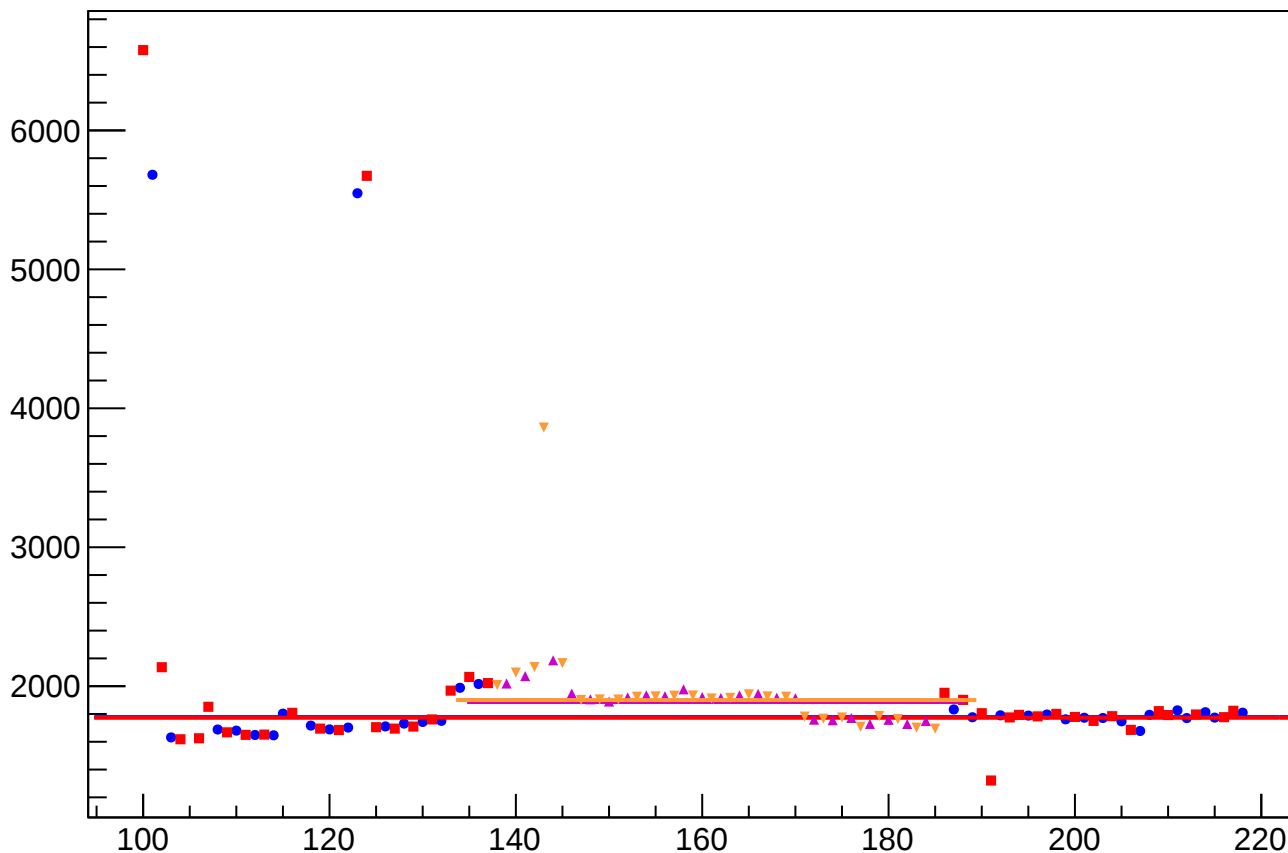
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 371.761 ± 306.504 χ^2/NDF : 72.0/57

All: 221.557 ± 216.740 χ^2/NDF : 122.1/116

- sign 71.328 ± 306.530 χ^2/NDF : 49.6/58

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: 1773.147 $\pm$ 0.294 χ^2 /NDF: 372864.2/35

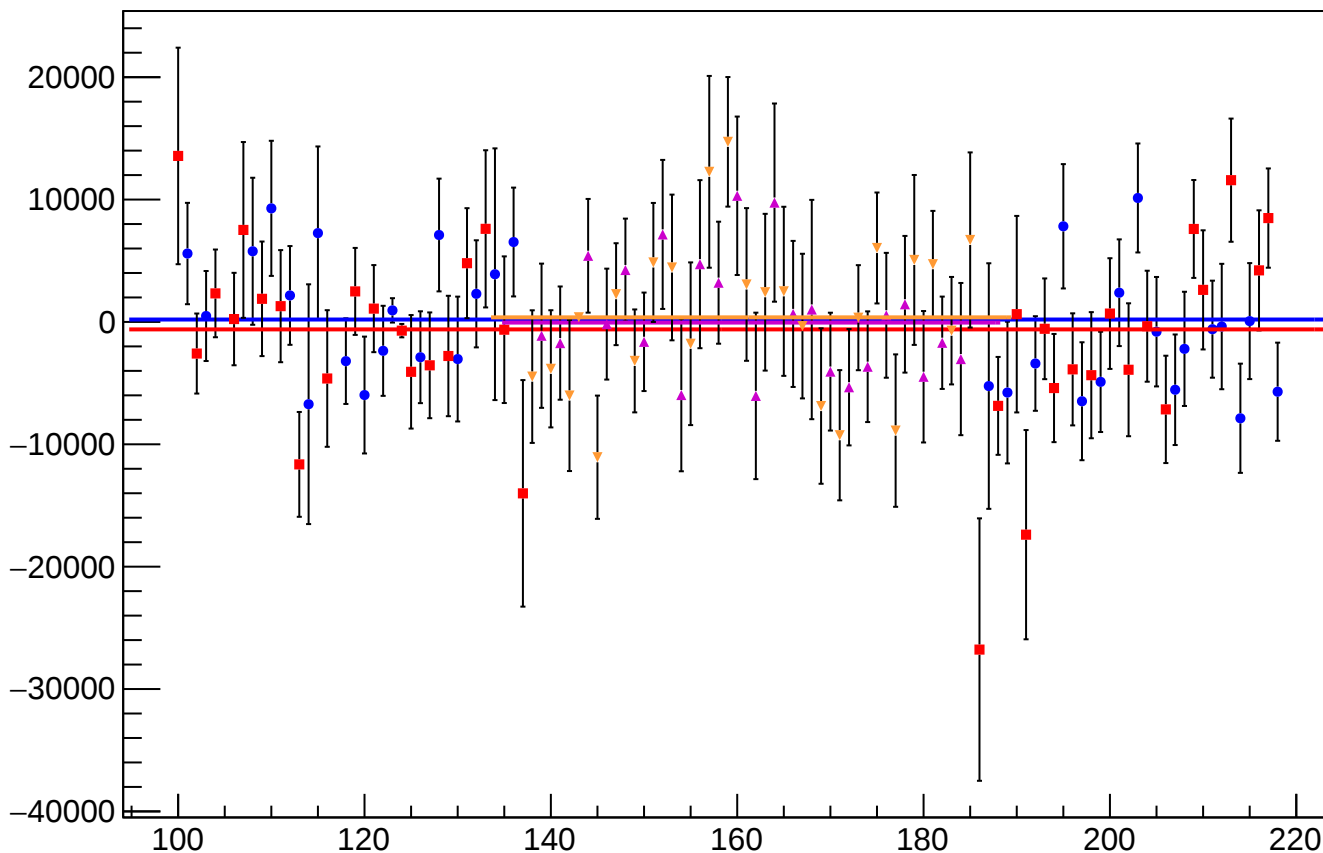
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1835.234 $\pm$ 0.217 χ^2 /NDF: 1270747.6/57

All: 1830.028 $\pm$ 0.153 χ^2 /NDF: 1836182.5/11

- sign 1824.837 $\pm$ 0.216 χ^2 /NDF: 564282.7/58

asym_atr1l2_dd_correction_mean vs Slug



Right In: 196.859 ± 630.349 $\chi^2/\text{NDF}: 37.0/32$

Left Out: 373.277 ± 382.071 $\chi^2/\text{NDF}: 30.8/24$

Right Out: -610.175 ± 450.826 $\chi^2/\text{NDF}: 53.6/35$

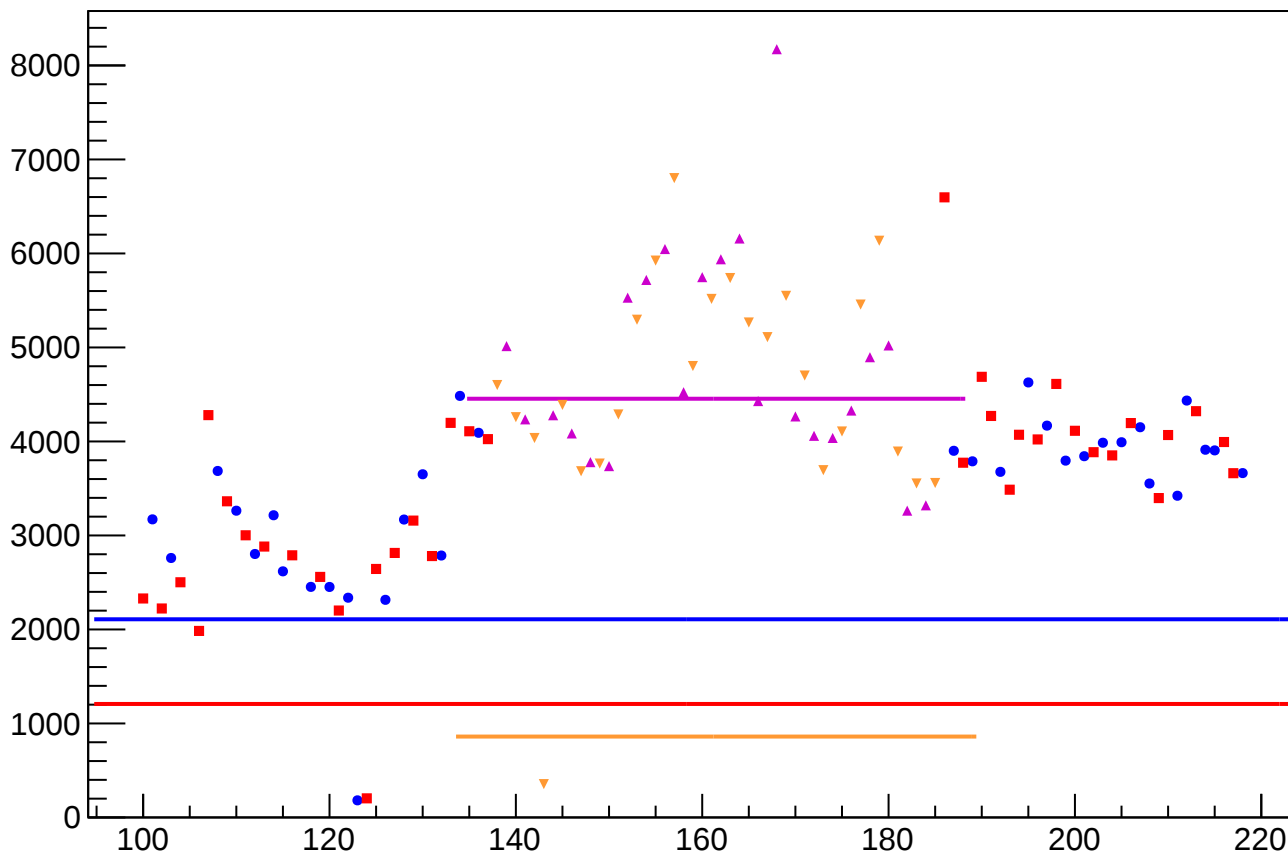
Left In: -53.099 ± 1089.888 $\chi^2/\text{NDF}: 14.5/22$

+ sign 325.877 ± 326.737 $\chi^2/\text{NDF}: 67.8/57$

All: 0.372 ± 257.095 $\chi^2/\text{NDF}: 138.8/116$

- sign -528.784 ± 416.593 $\chi^2/\text{NDF}: 68.4/58$

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: 1207.361 $\pm$ 0.319 χ^2 /NDF: 22800764.3/35

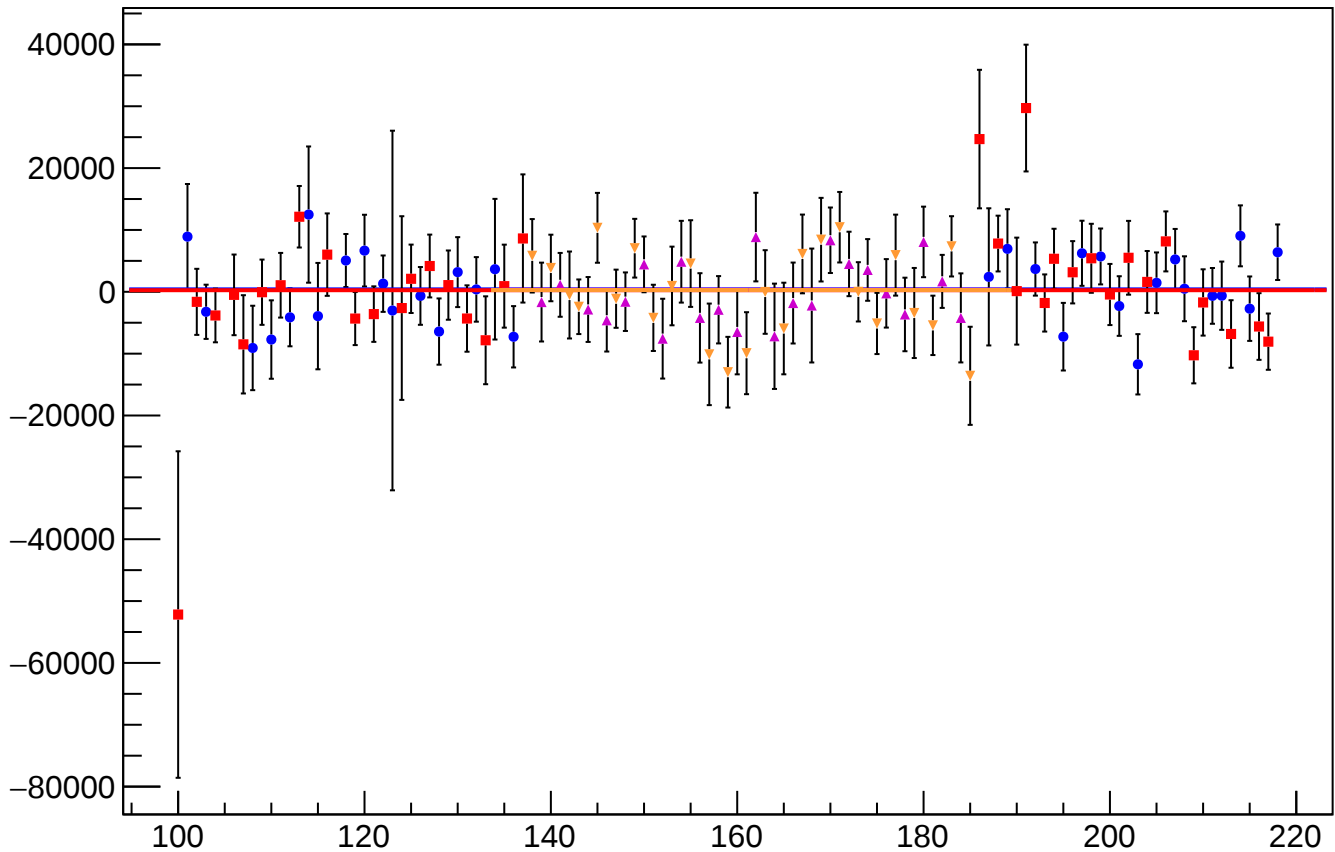
Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 1195.768 $\pm$ 0.231 χ^2 /NDF: 45894685.5/57

All: 1380.864 $\pm$ 0.182 χ^2 /NDF: 86888642.4/1

- sign 1681.764 $\pm$ 0.295 χ^2 /NDF: 39308712.1/58

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: 258.189 $\pm$ 930.639 χ^2 /NDF: 51.5/35

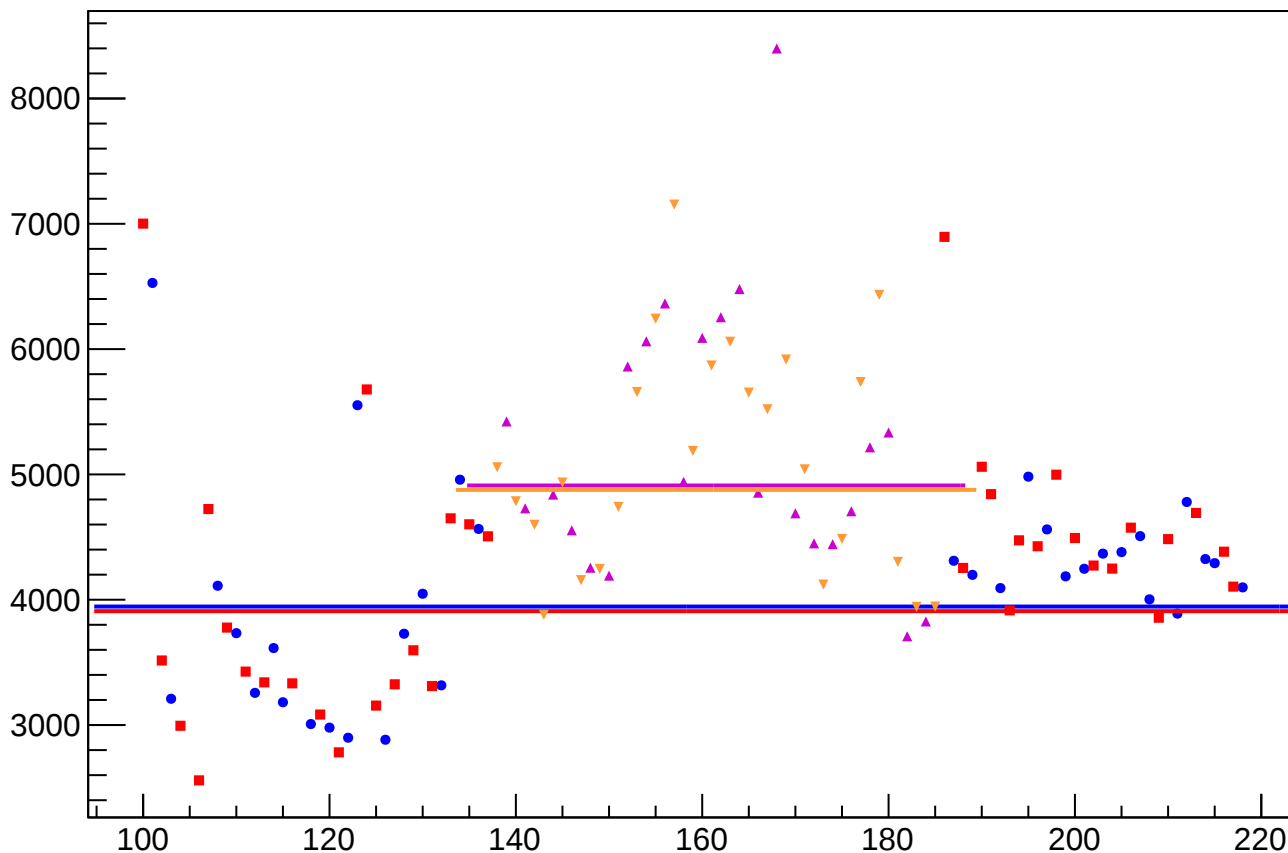
Left In: 332.488 $\pm$ 1196.011 χ^2 /NDF:14.7/22

+ sign 350.220 $\pm$ 729.714 χ^2 /NDF: 65.9/57

All: 318.423 $\pm$ 517.663 χ^2 /NDF: 132.1/116

- sign 286.209 $\pm$ 734.481 χ^2 /NDF: 66.2/58

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: 3908.745+/-0.654 χ^2/NDF : 1217365.1/35

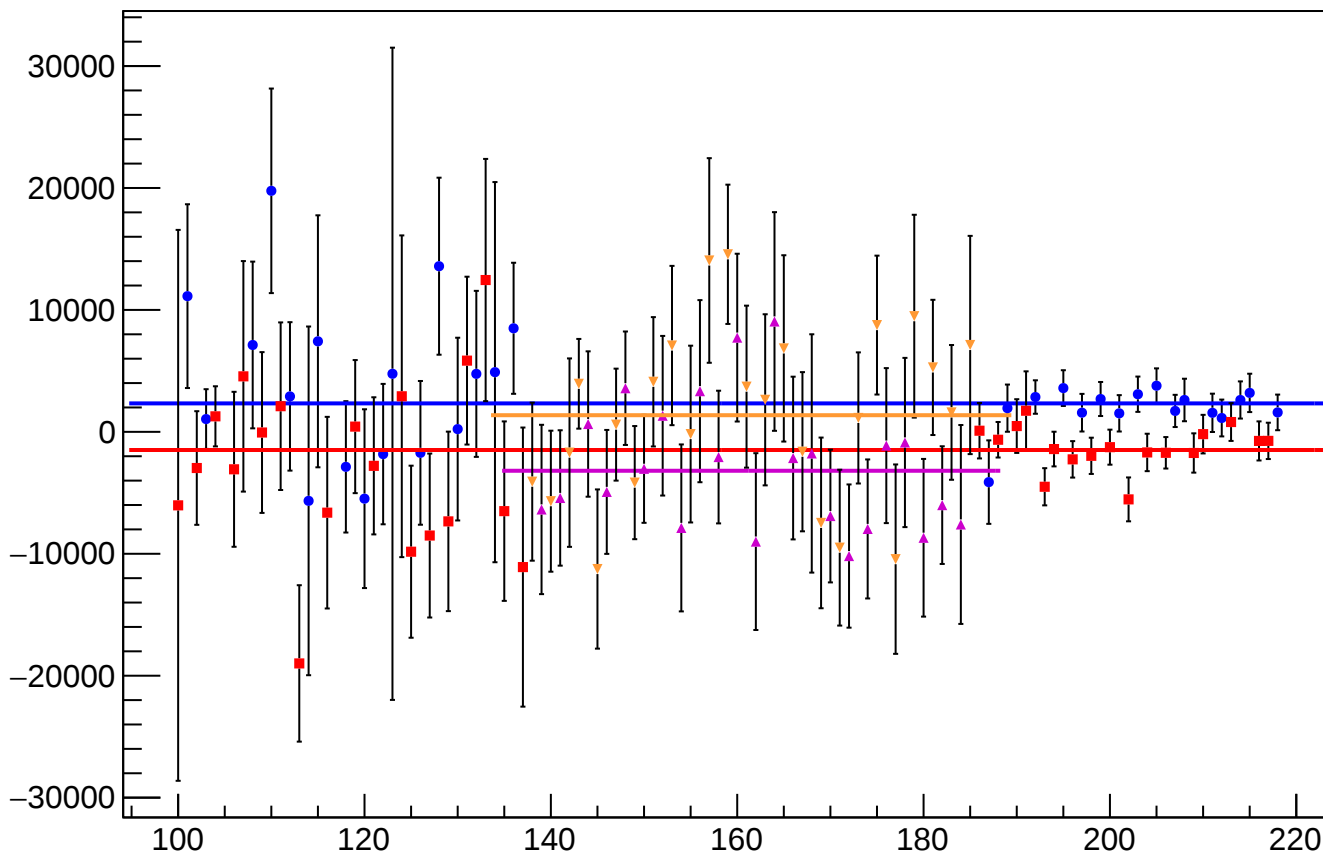
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4316.924+/-0.516 χ^2/NDF : 2750456.8/57

All: 4300.457+/-0.365 χ^2/NDF : 5893030.7/11

- sign 4283.908+/-0.517 χ^2/NDF : 3140531.9/58

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2333.794 $\pm$ 372.119 χ^2 /NDF: 22.1/32

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -1488.887 $\pm$ 373.394 χ^2 /NDF: 33.1/35

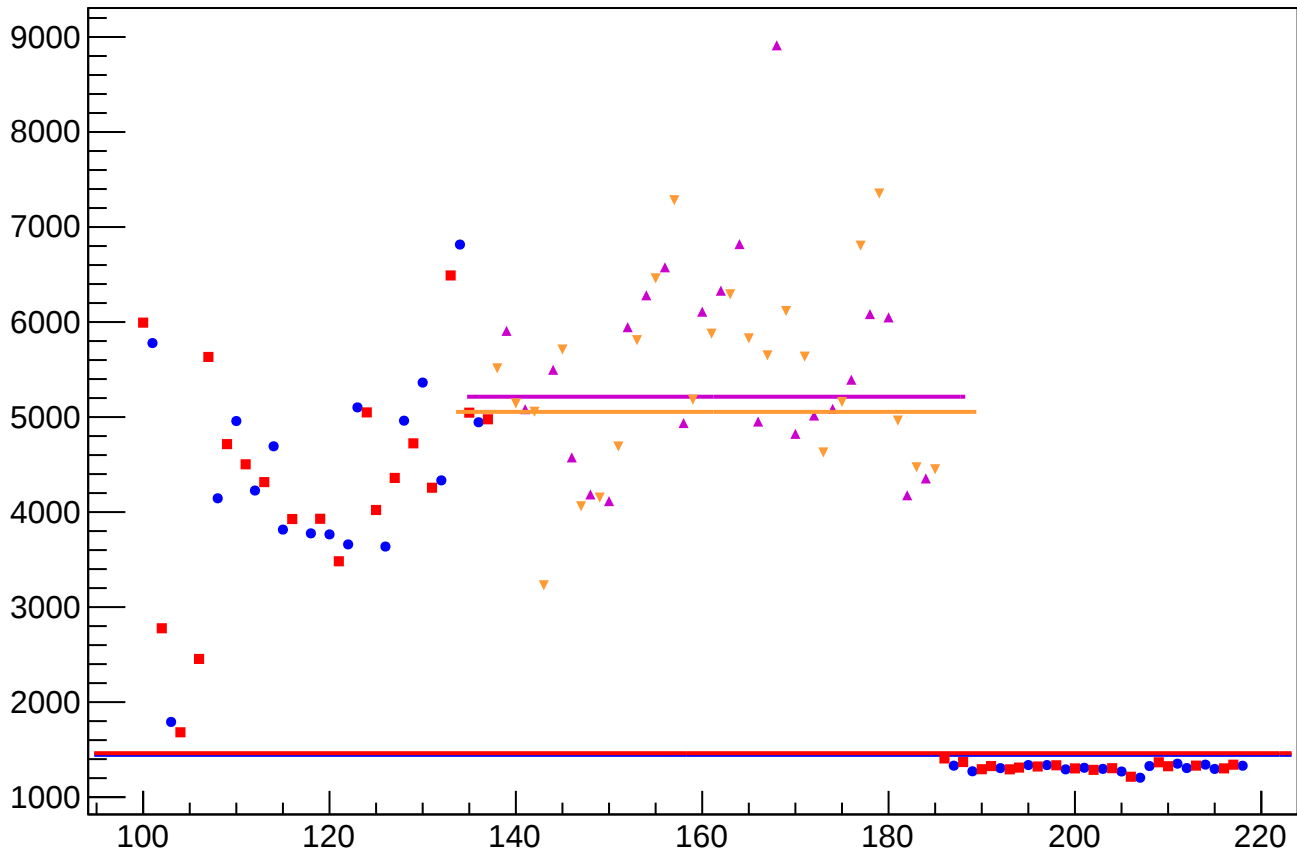
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2249.617 $\pm$ 355.584 χ^2 /NDF: 50.7/57

All: 327.019 $\pm$ 252.367 χ^2 /NDF: 158.3/116

- sign -1624.324 $\pm$ 358.232 χ^2 /NDF: 48.8/58

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: 1462.442 $\pm$ 0.264 χ^2 /NDF: 5842355.6/35

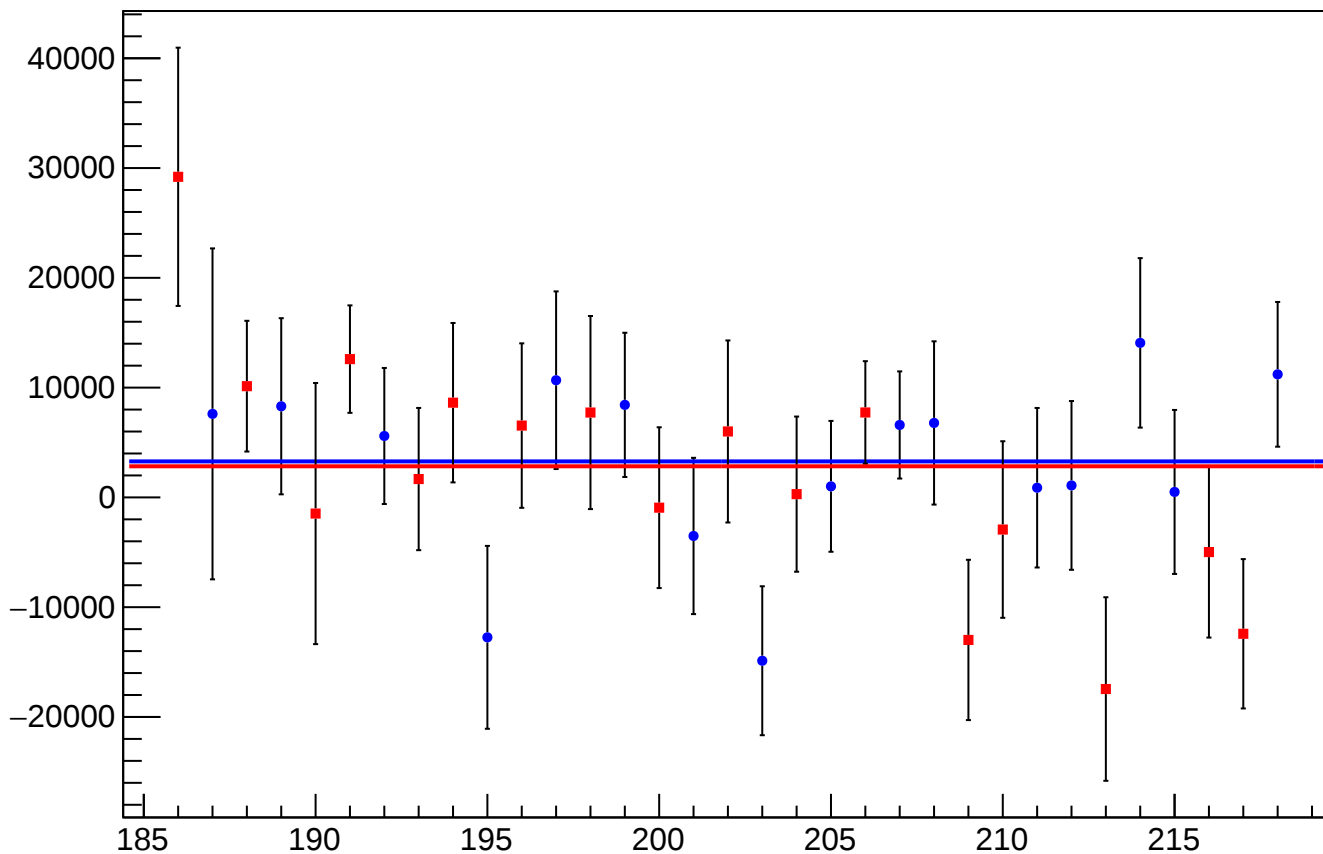
Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF: 1052501.5/22

+ sign 1758.793 $\pm$ 0.251 χ^2 /NDF: 23716414.0/57

All: 1759.671 $\pm$ 0.178 χ^2 /NDF: 46677024.8/100

- sign 1760.562 $\pm$ 0.253 χ^2 /NDF: 22960586.3/58

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: 2833.678 $\pm$ 1706.343 χ^2 /NDF: 30.6/16

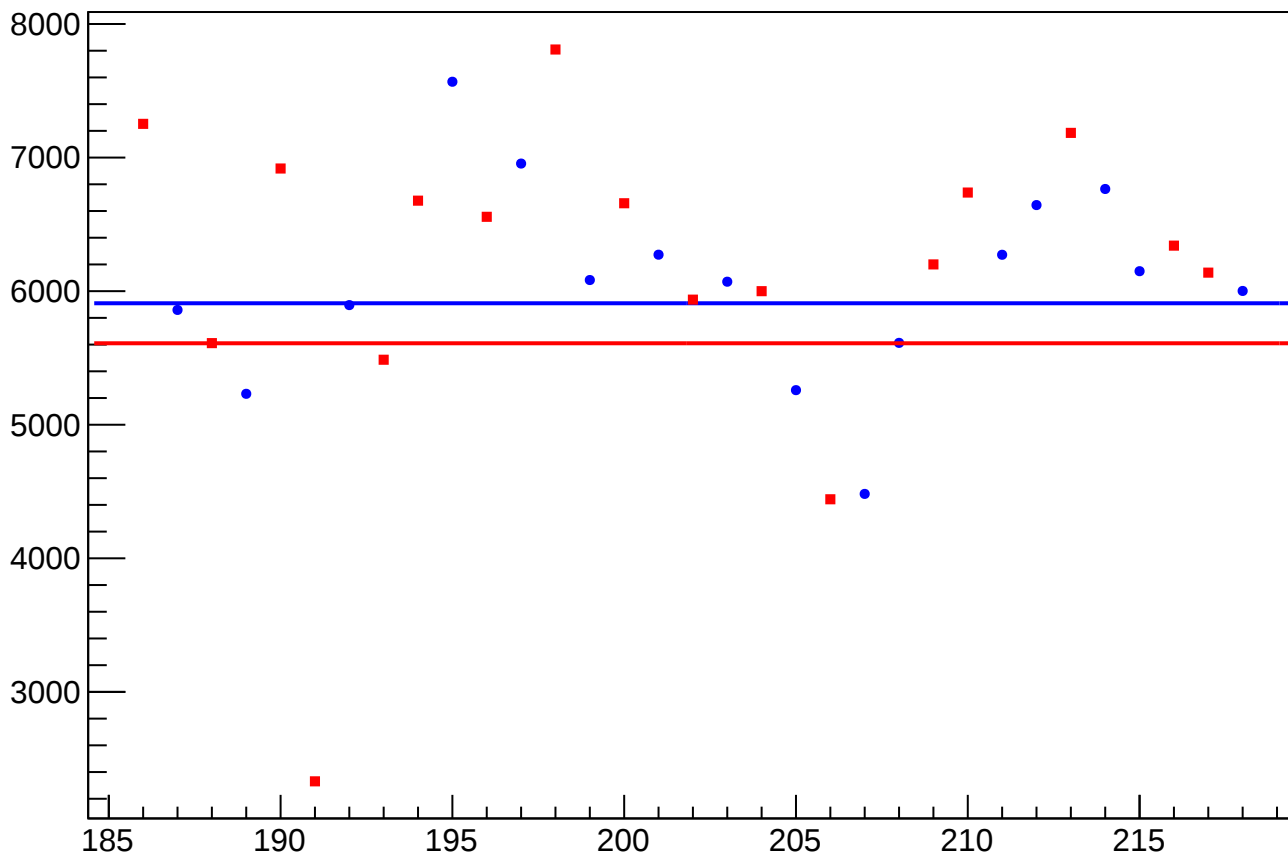
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 3049.296 $\pm$ 1225.746 χ^2 /NDF: 49.1/32

- 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 $\pm$ 1.246 χ^2 /NDF: 383079.8/15

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

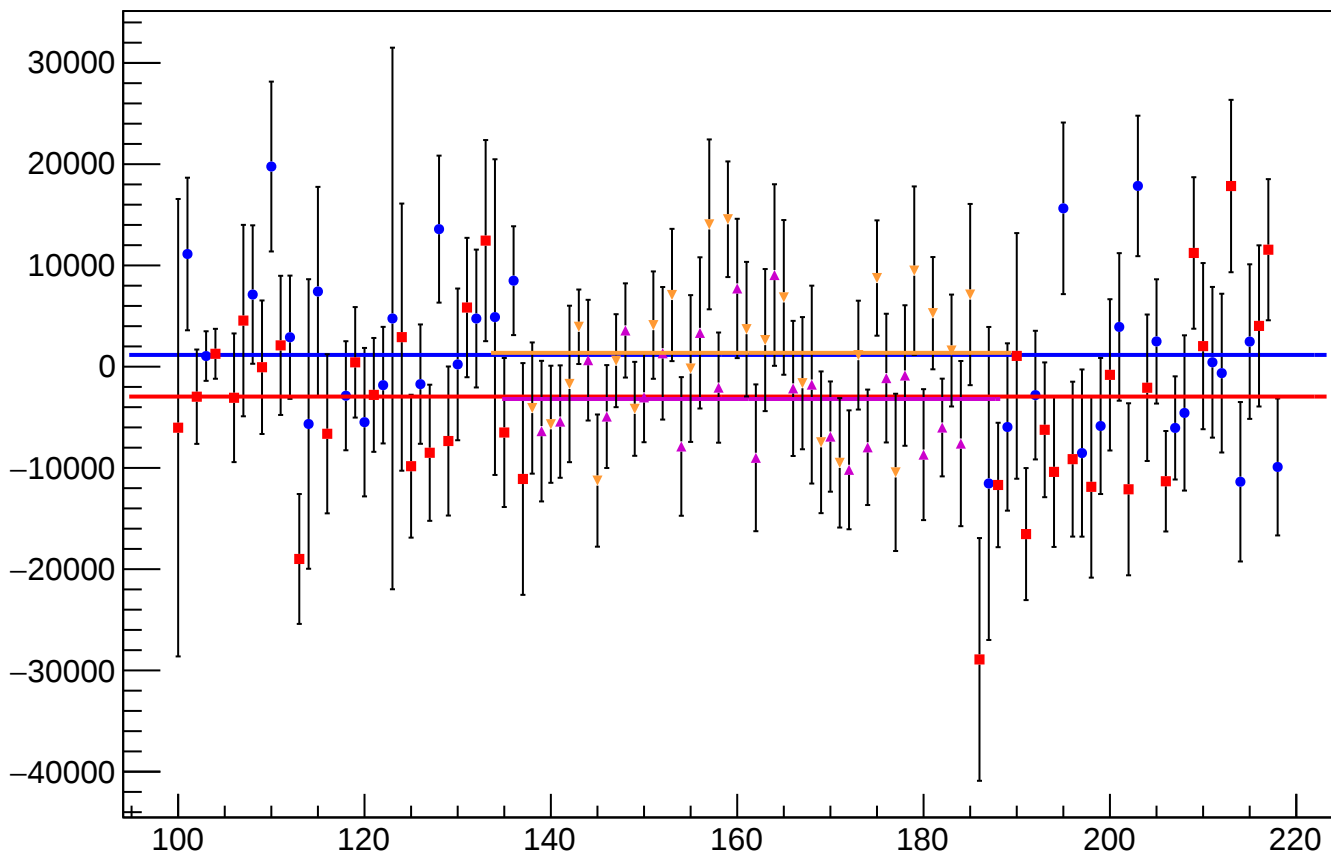
Right Out: 5609.860 $\pm$ 1.207 χ^2 /NDF: 1490488.7/16

All: 5754.825 $\pm$ 0.867 χ^2 /NDF: 1903394.6/32

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 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: -2952.928 $\pm$ 1097.274 χ^2 /NDF: 51.3/35

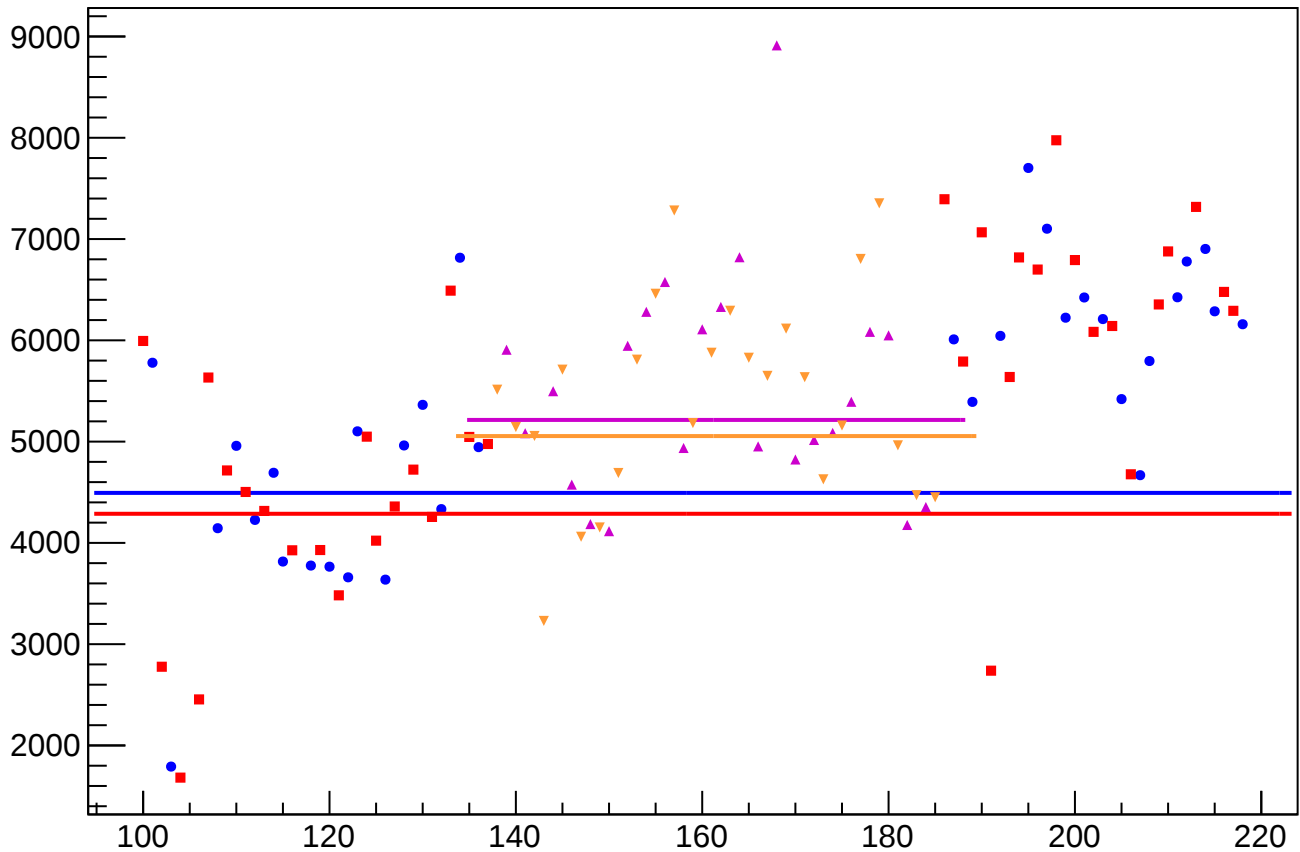
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 1256.863 $\pm$ 826.337 χ^2 /NDF: 64.2/57

All: -888.627 $\pm$ 585.705 χ^2 /NDF: 143.0/116

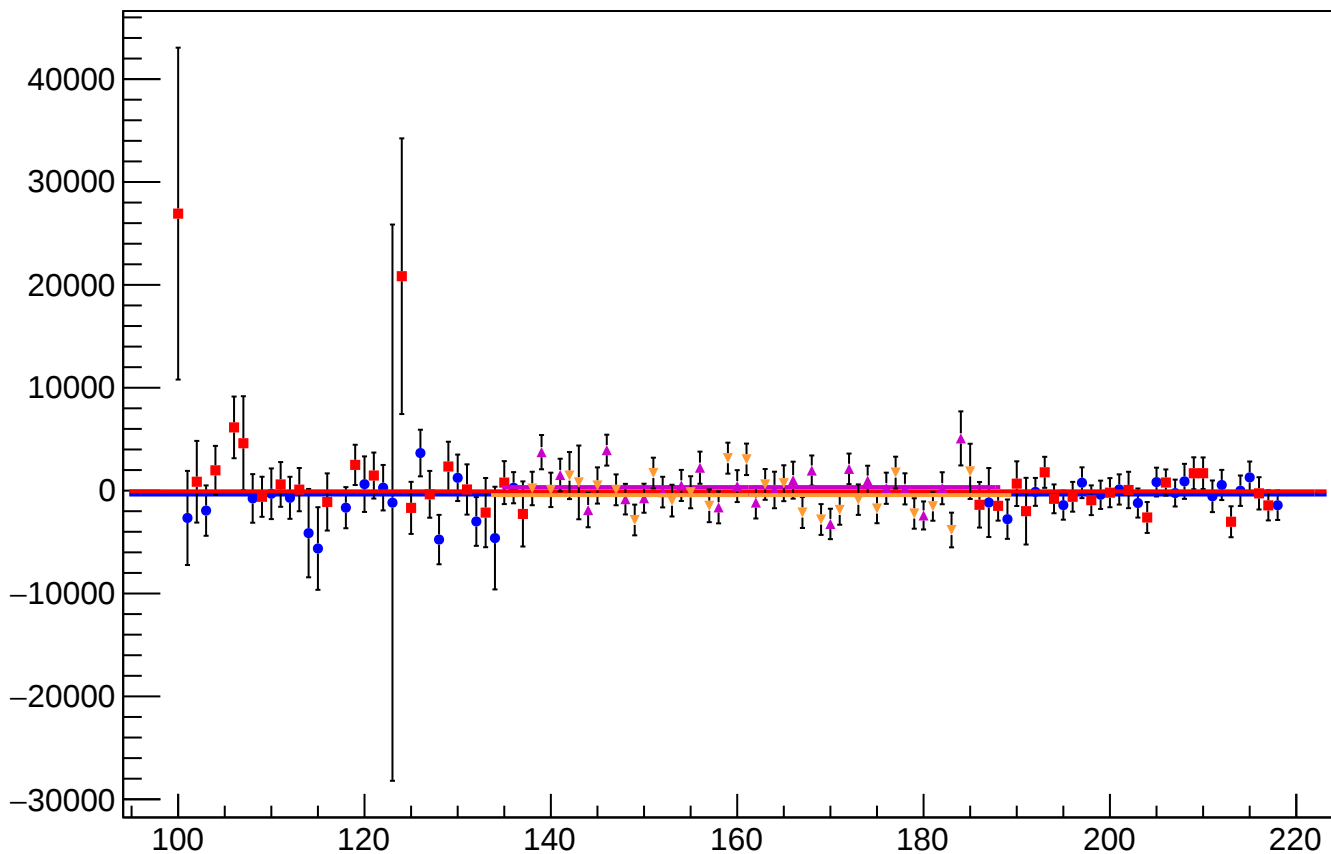
- sign -3054.752 $\pm$ 830.301 χ^2 /NDF: 65.3/58

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: 4719.006+/-0.413	χ^2/NDF : 13604958.7/1
Right Out: 4287.516+/-0.771	χ^2/NDF : 5638987.2/35	- sign 4680.920+/-0.585	χ^2/NDF : 7304109.9/58
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: -68.163 ± 320.280 χ^2/NDF : 31.1/35

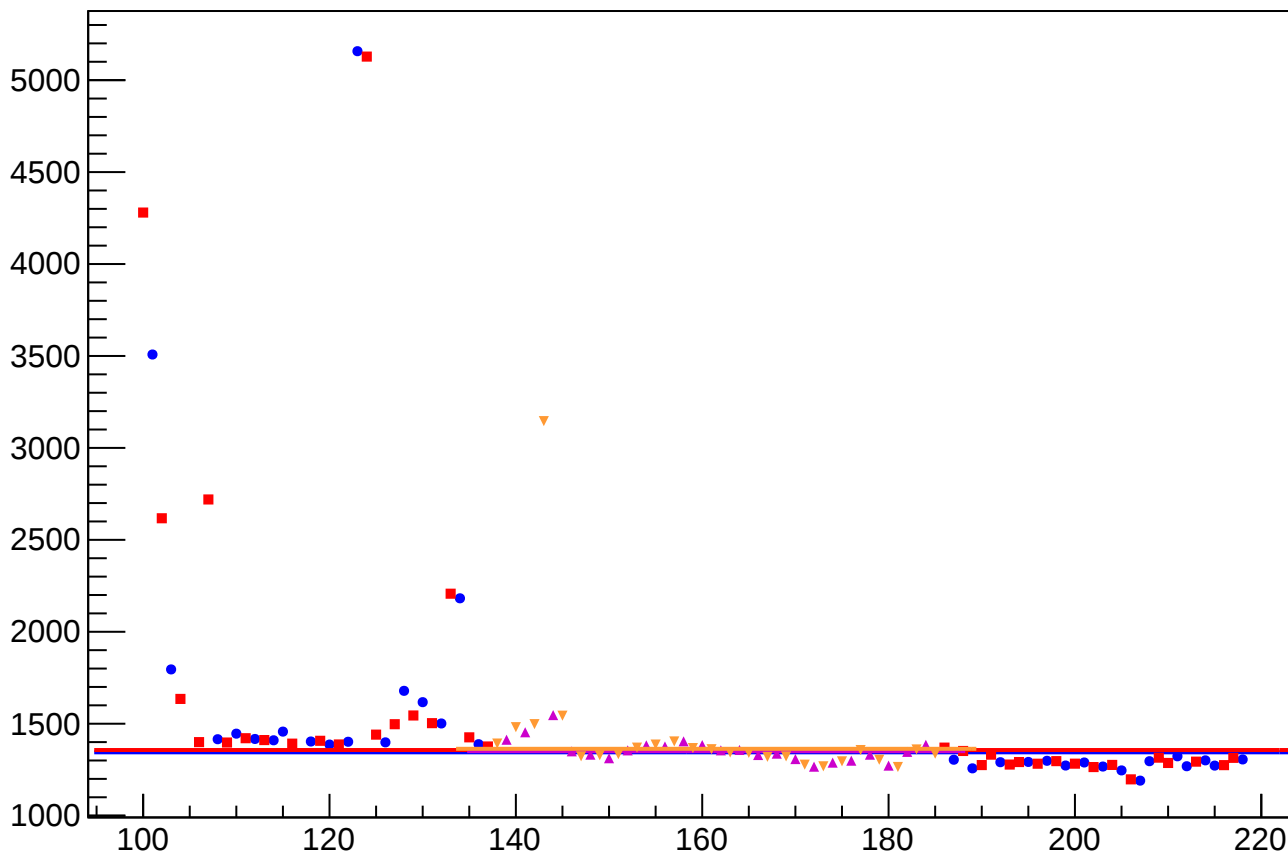
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -405.120 ± 226.466 χ^2/NDF : 52.8/57

All: -136.683 ± 160.641 χ^2/NDF : 121.3/116

- sign 135.175 ± 227.904 χ^2/NDF : 65.7/58

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: 1356.935+/-0.226 χ^2/NDF : 882692.2/35

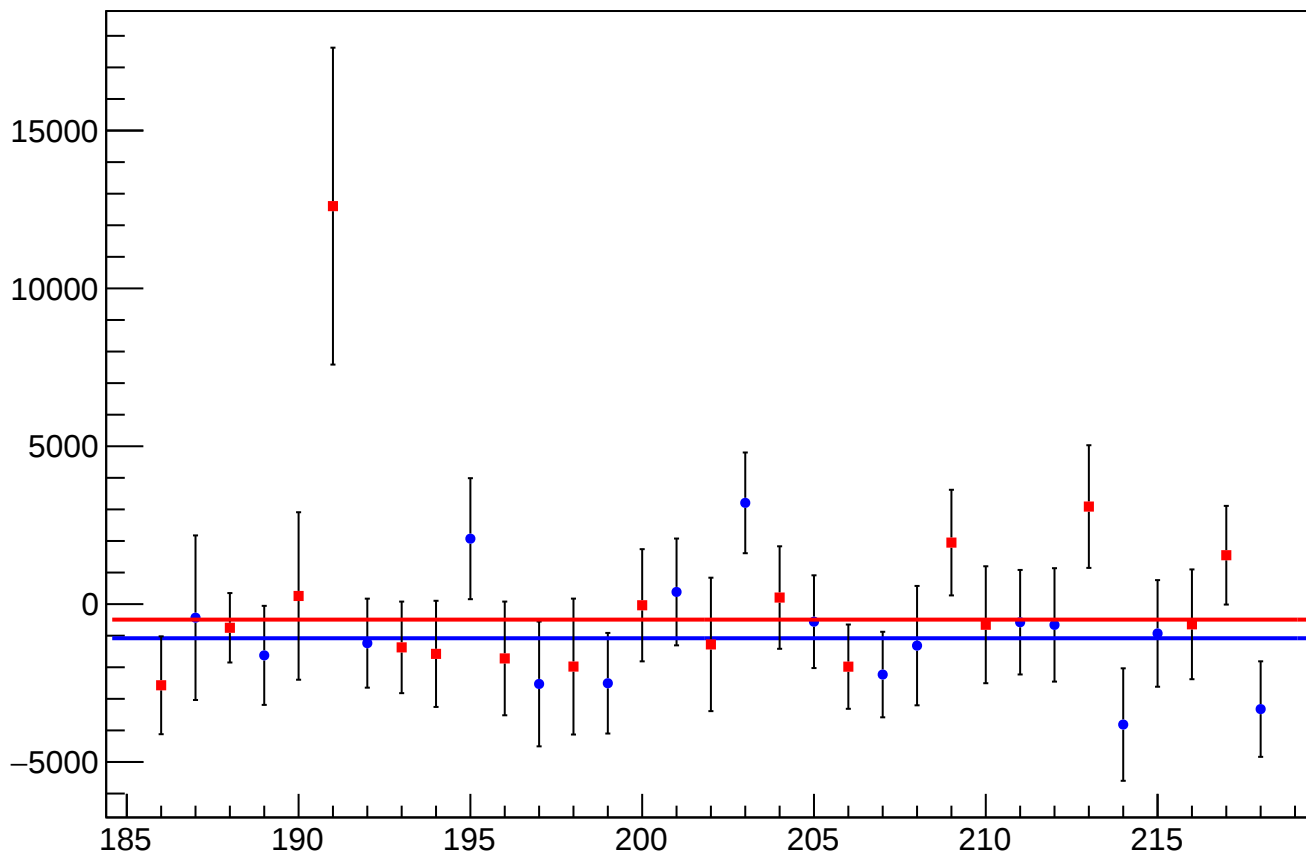
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1353.999+/-0.160 χ^2/NDF : 1362008.8/57

All: 1353.980+/-0.114 χ^2/NDF : 2312195.1/11

- sign 1353.960+/-0.161 χ^2/NDF : 950186.2/58

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -1080.809+/-415.680 χ^2/NDF : 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -490.617+/-411.206 χ^2/NDF : 19.3/16

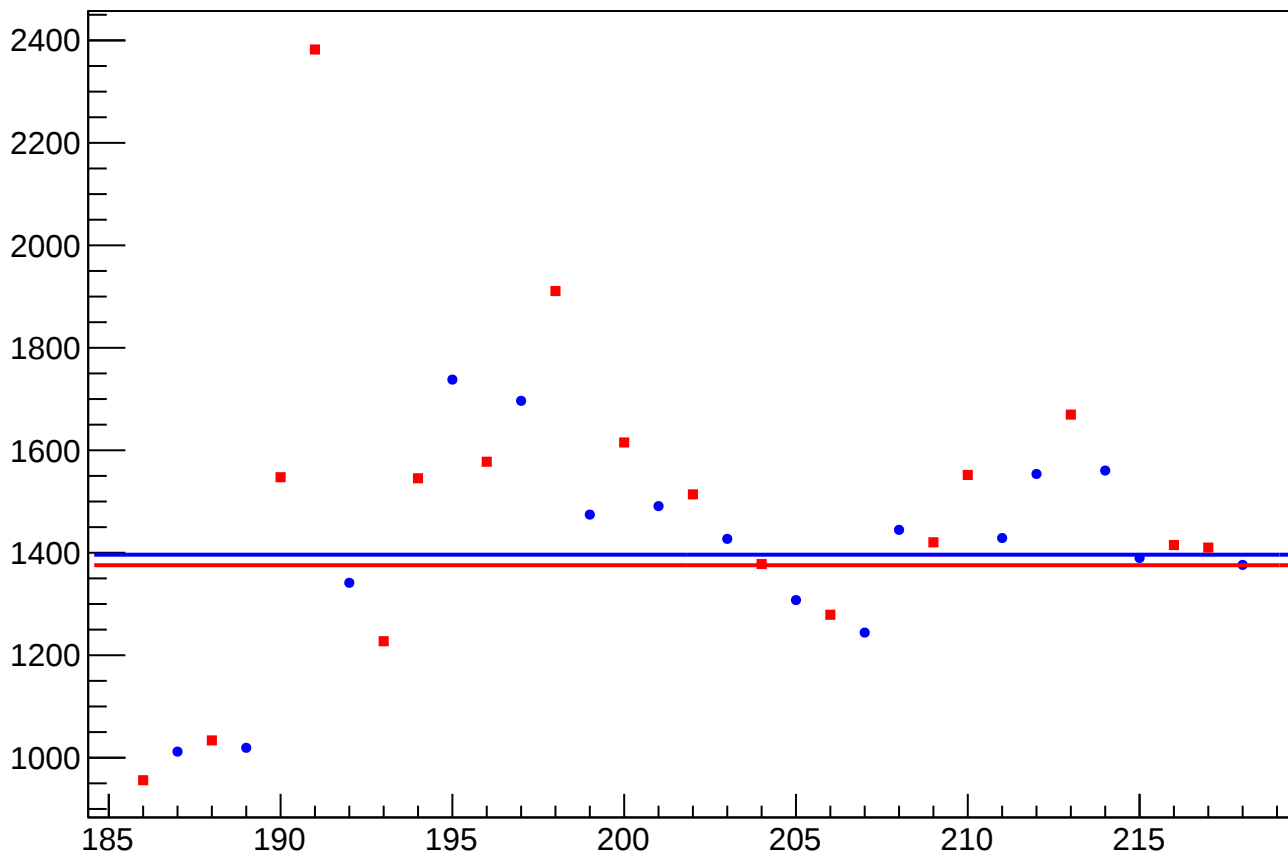
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -782.520+/-292.336 χ^2/NDF : 38.2/32

- sign 0.000+/-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

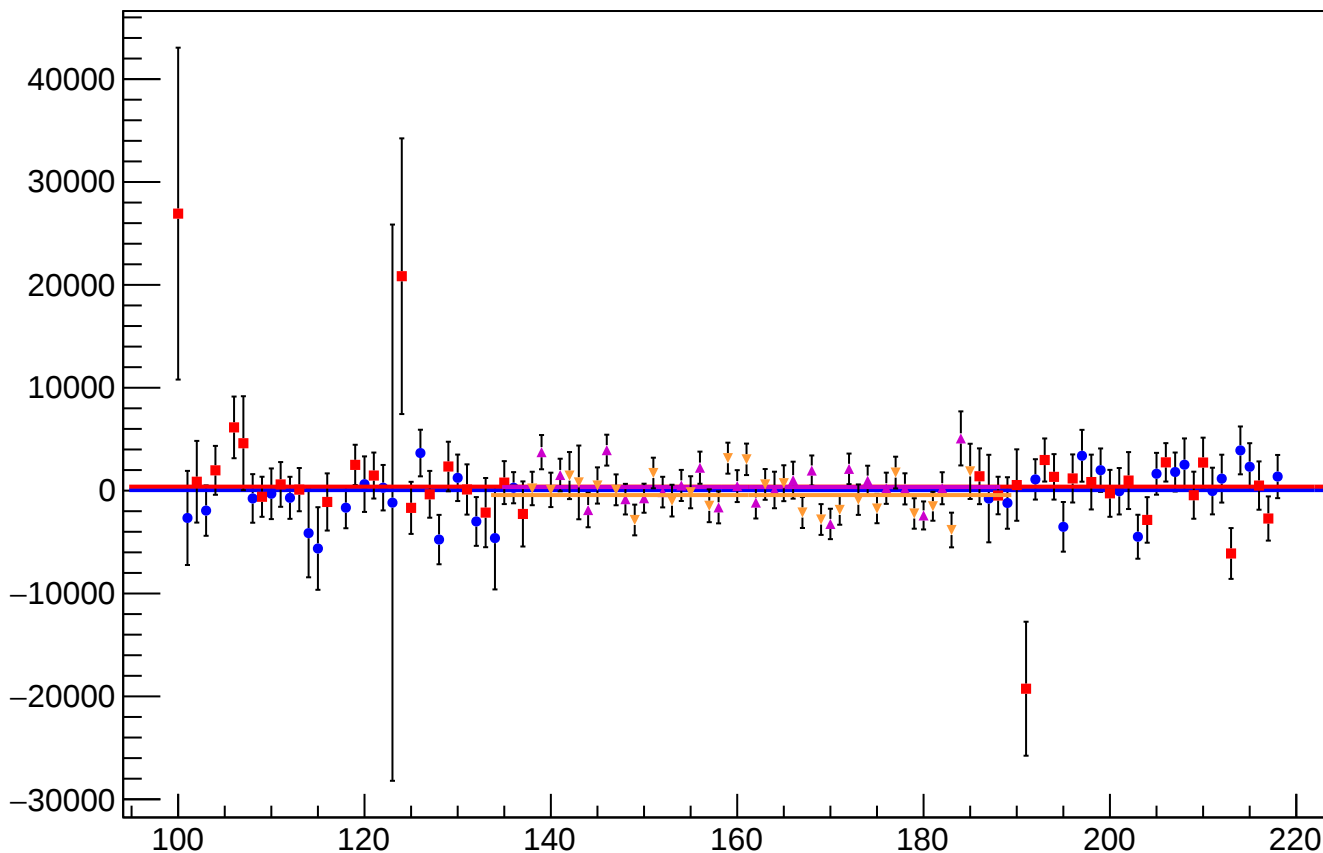
Right Out: 1375.695+/-0.291 χ^2/NDF : 741623.9/16

All: 1385.846+/-0.207 χ^2/NDF : 1095008.3/32

- 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: 389.237+/-413.575 χ^2/NDF : 40.0/35

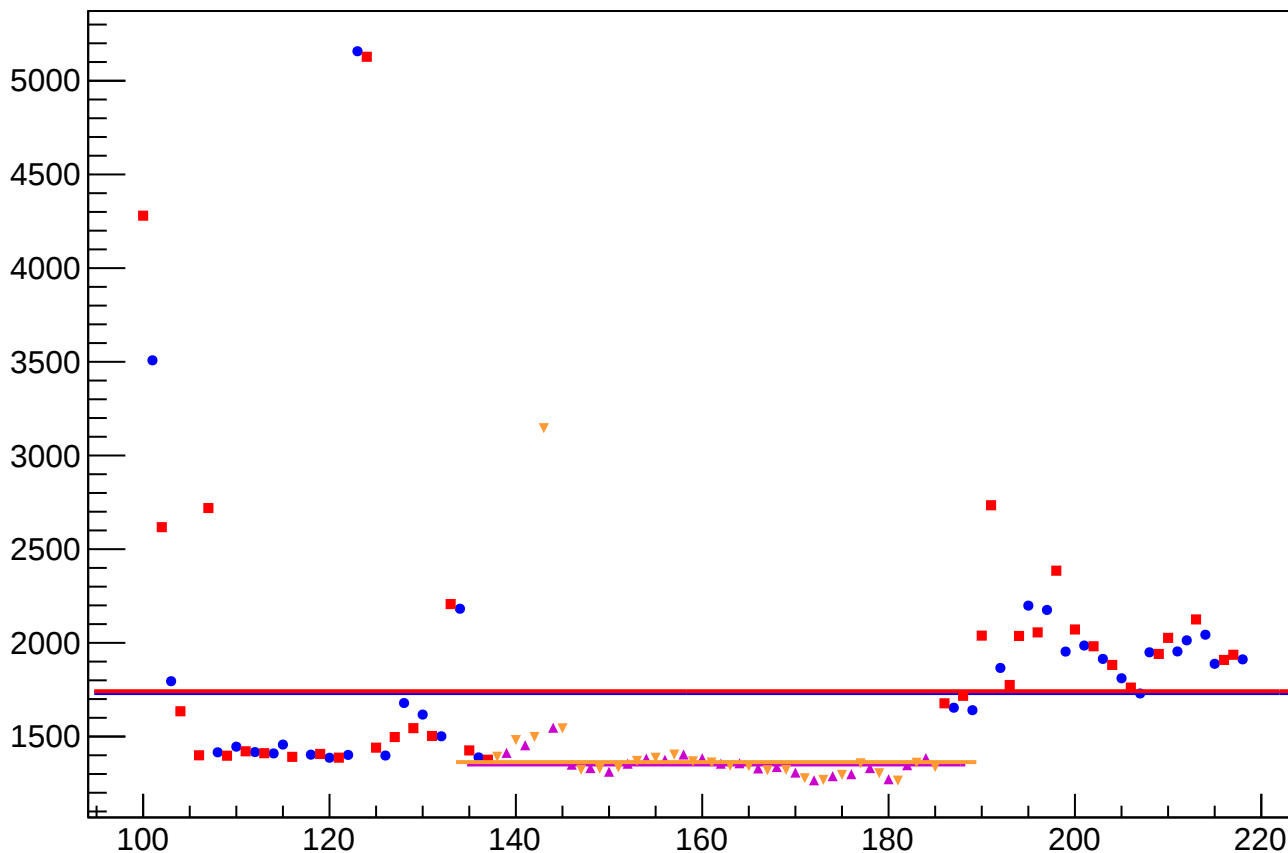
Left In: 343.737+/-324.368 χ^2/NDF :33.8/22

+ sign -251.428+/-253.524 χ^2/NDF : 64.9/57

All: 52.763+/-179.869 χ^2/NDF : 141.6/116

- sign 361.066+/-255.232 χ^2/NDF : 73.8/58

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1732.048+/-0.293 χ^2/NDF : 1121894.0/32

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1741.759+/-0.292 χ^2/NDF : 1321144.8/35

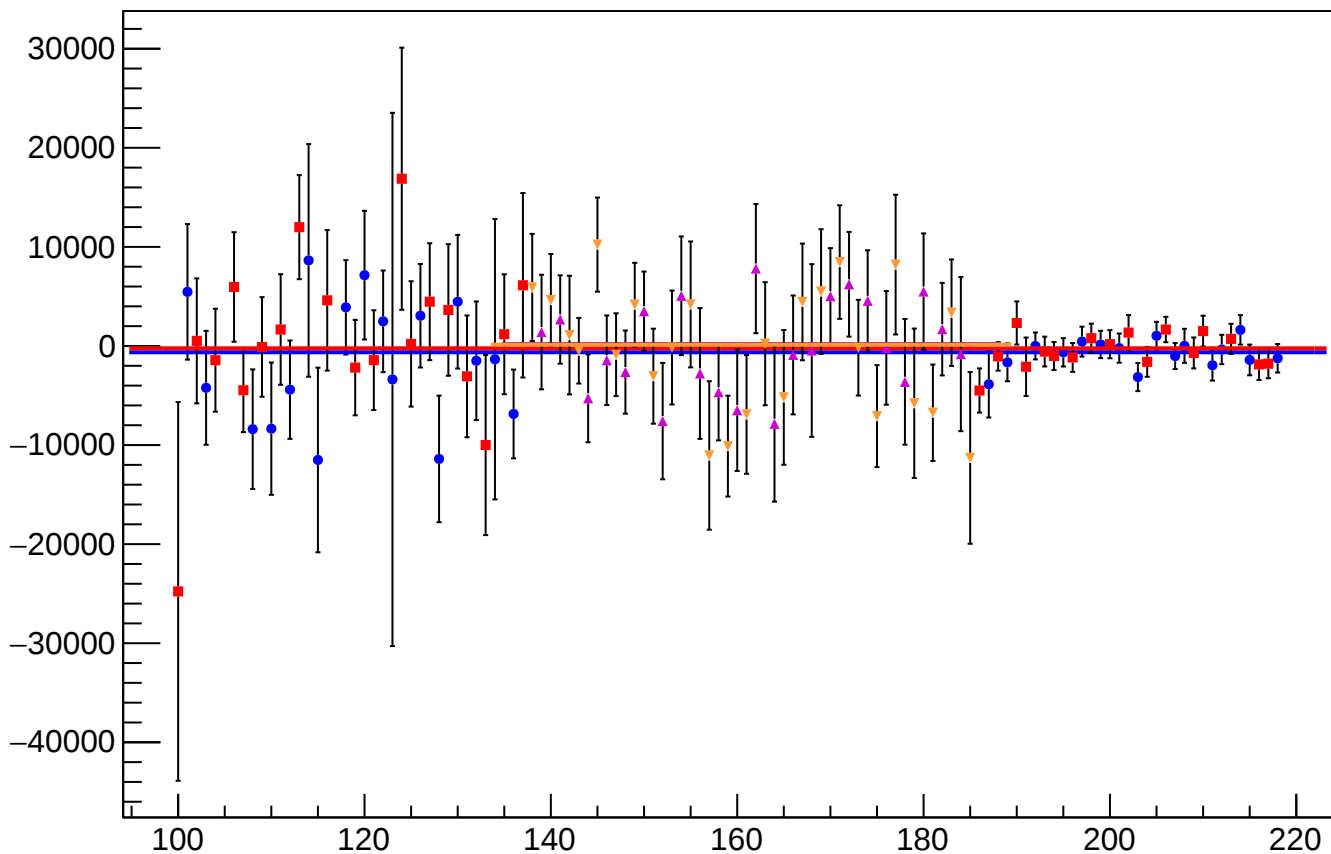
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1501.535+/-0.179 χ^2/NDF : 2686777.0/57

All: 1500.657+/-0.127 χ^2/NDF : 5181068.4/11

- sign 1499.767+/-0.180 χ^2/NDF : 2494243.1/58

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -635.674 ± 367.557 χ^2/NDF : 25.9/32

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -233.276 ± 367.350 χ^2/NDF : 29.5/35

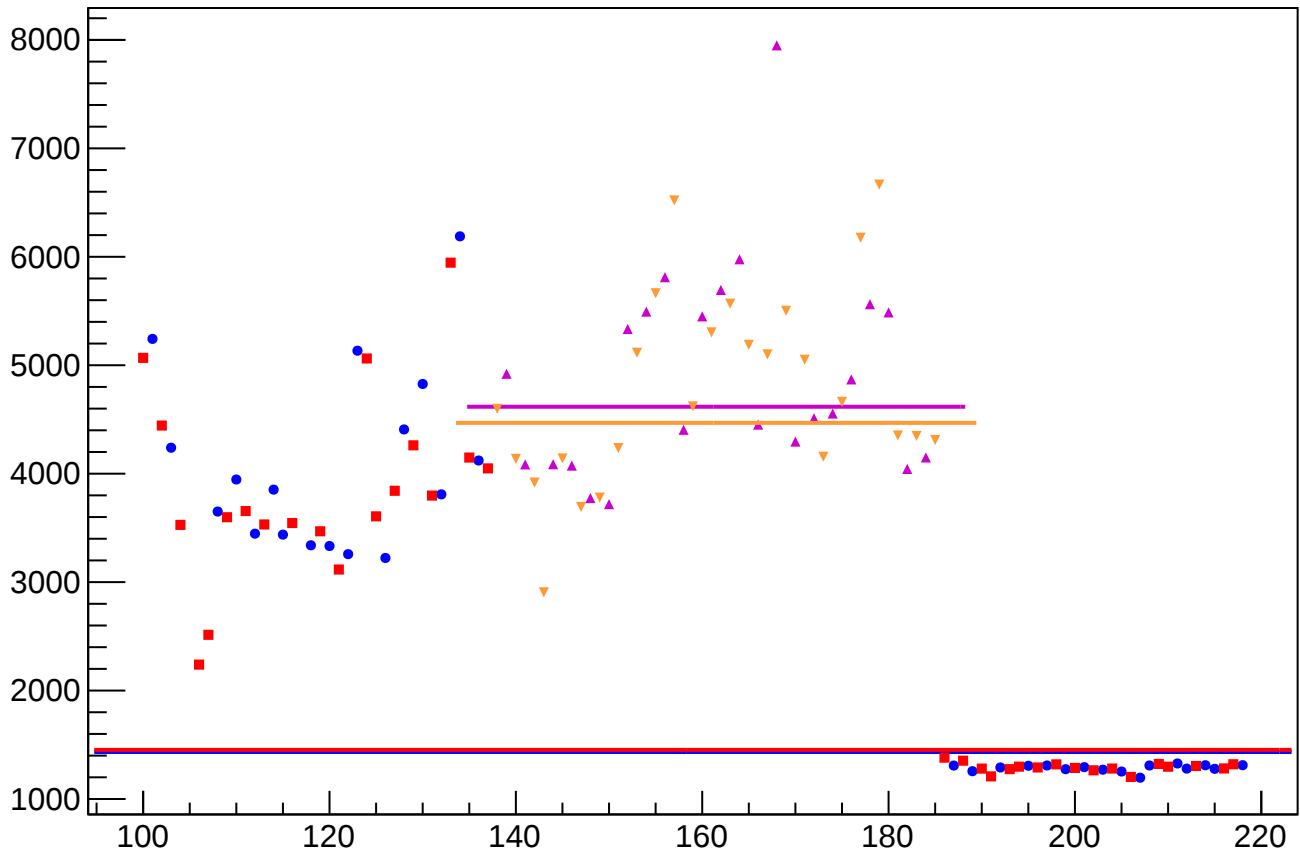
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -554.028 ± 347.465 χ^2/NDF : 54.5/57

All: -373.601 ± 246.292 χ^2/NDF : 99.4/116

- sign -191.411 ± 349.159 χ^2/NDF : 44.4/58

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: 1453.096 $\pm$ 0.260 χ^2 /NDF: 5527340.8/35

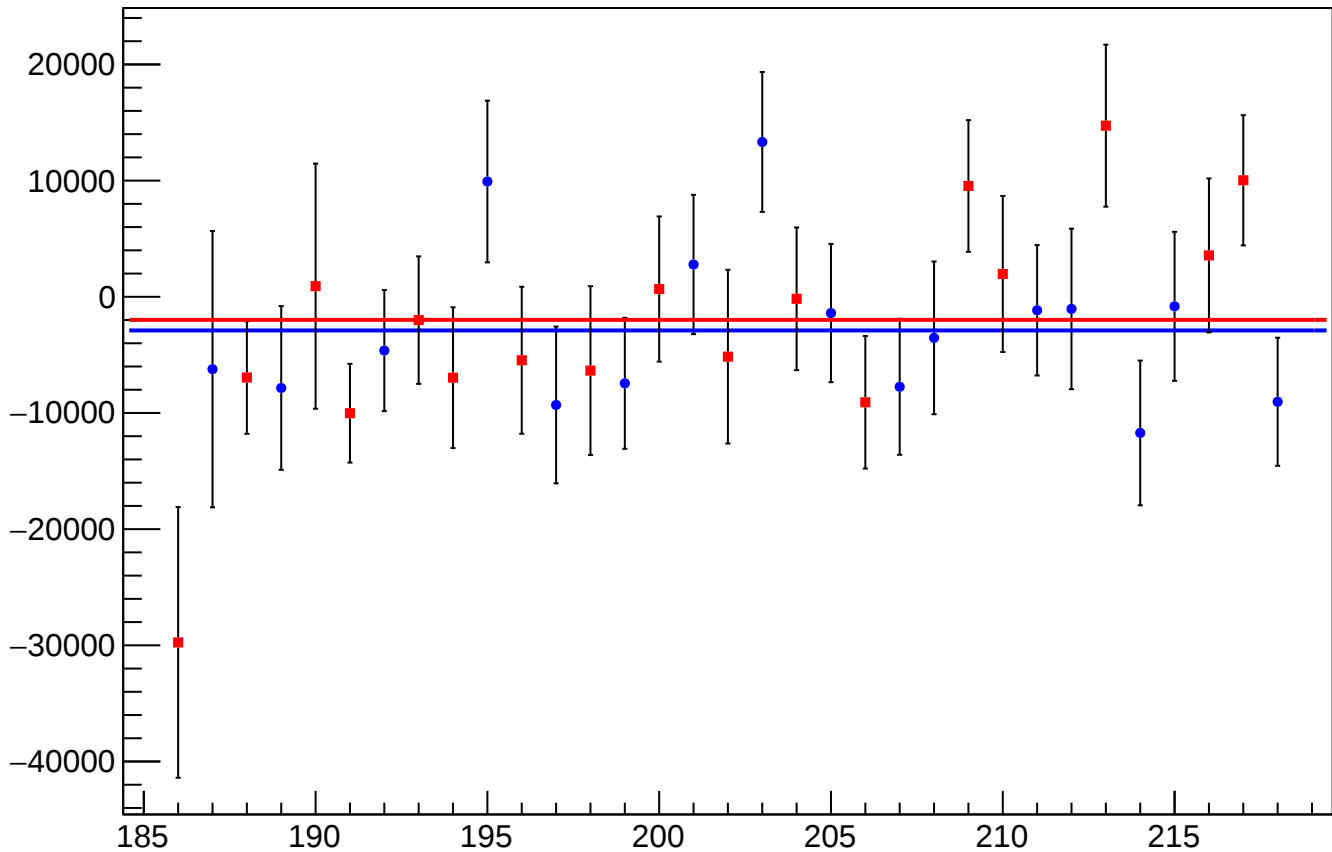
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 1756.272 $\pm$ 0.246 χ^2 /NDF: 21588019.1/57

All: 1757.303 $\pm$ 0.174 χ^2 /NDF: 42448569.2/100

- sign 1758.342 $\pm$ 0.247 χ^2 /NDF: 20860514.7/58

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: -1985.922 ± 1494.050 χ^2/NDF : 29.2/16

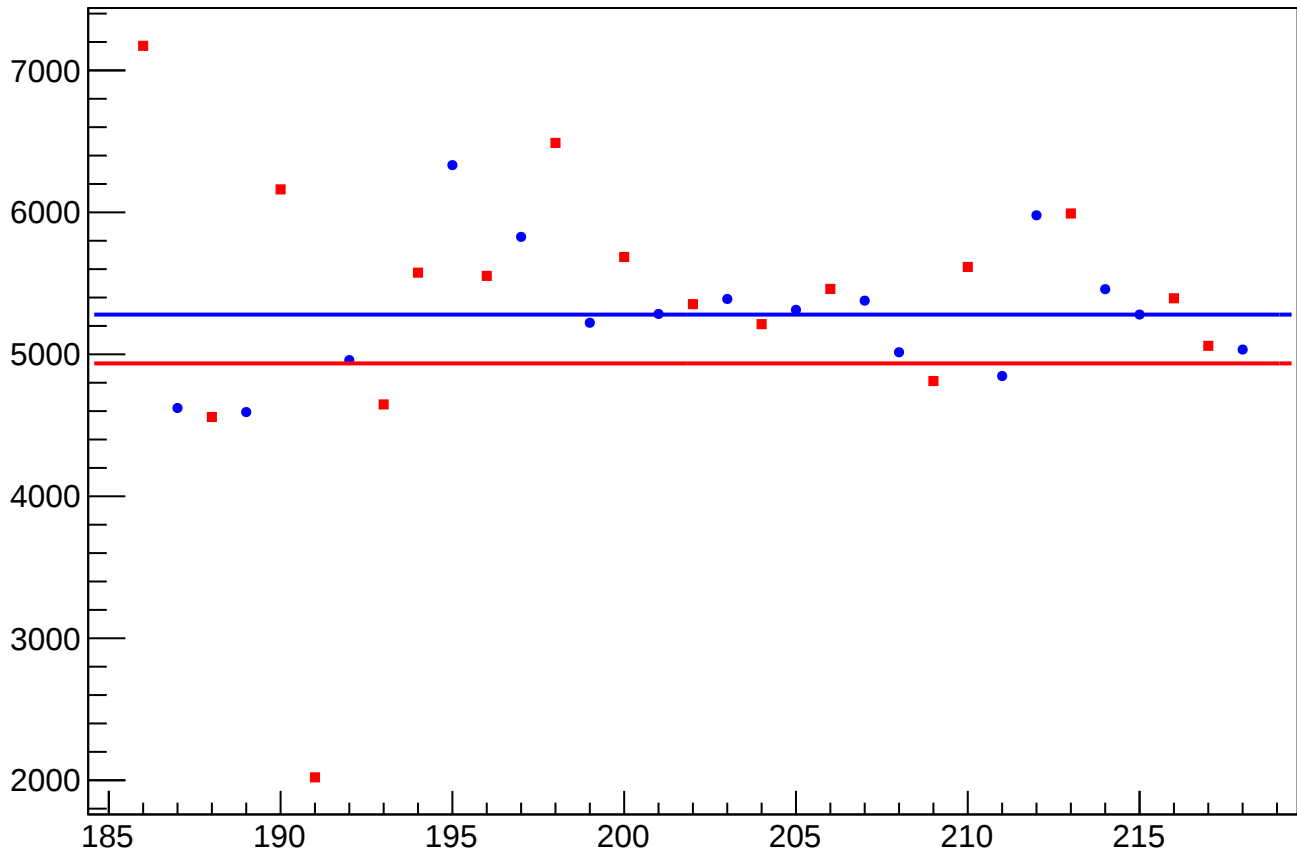
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -2420.603 ± 1079.755 χ^2/NDF : 47.5/32

- 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

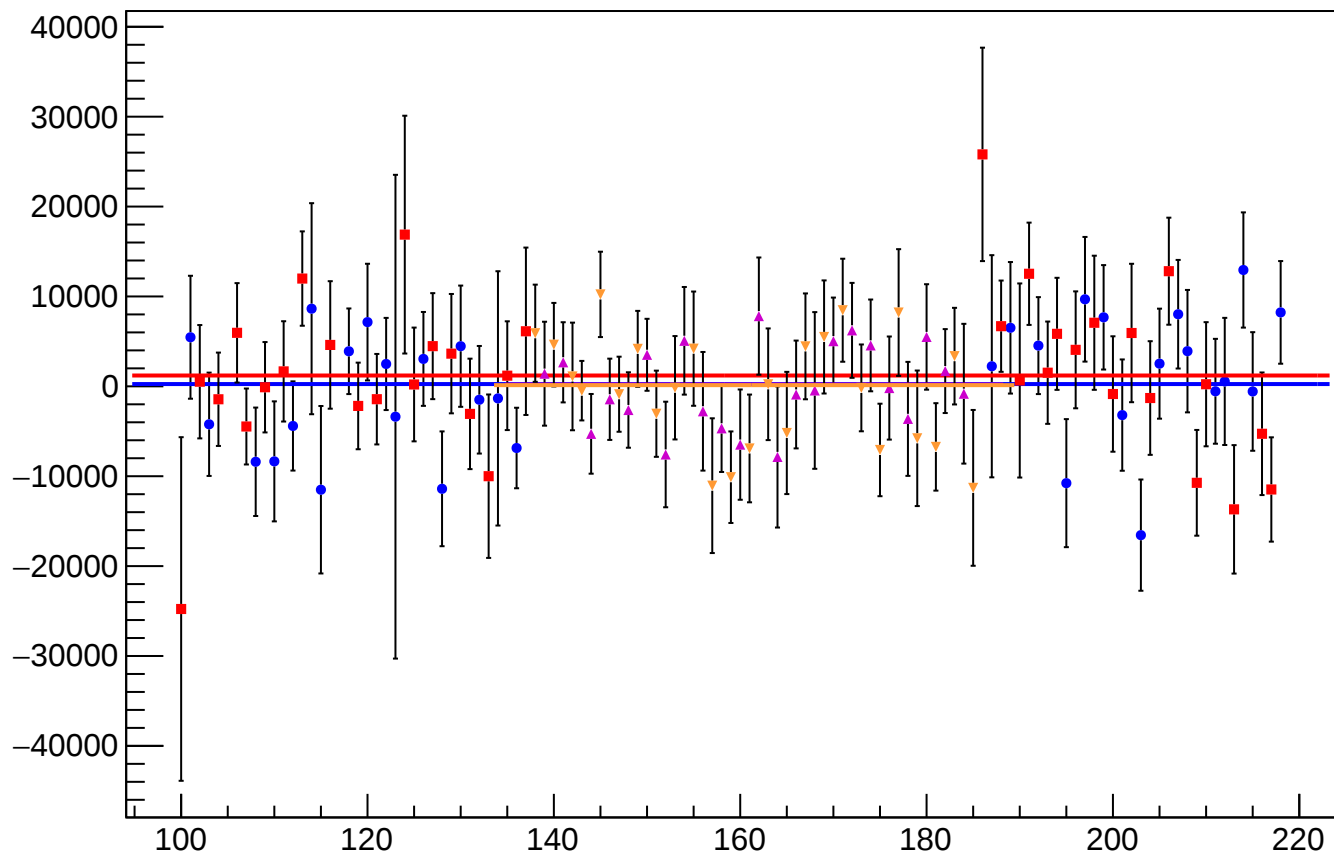
Right Out: 4936.112+/-1.056 χ^2/NDF : 1326228.1/16

All: 5100.318+/-0.764 χ^2/NDF : 1511172.1/32

- 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: 1205.018 $\pm$ 1041.277 χ^2 /NDF: 43.5/35

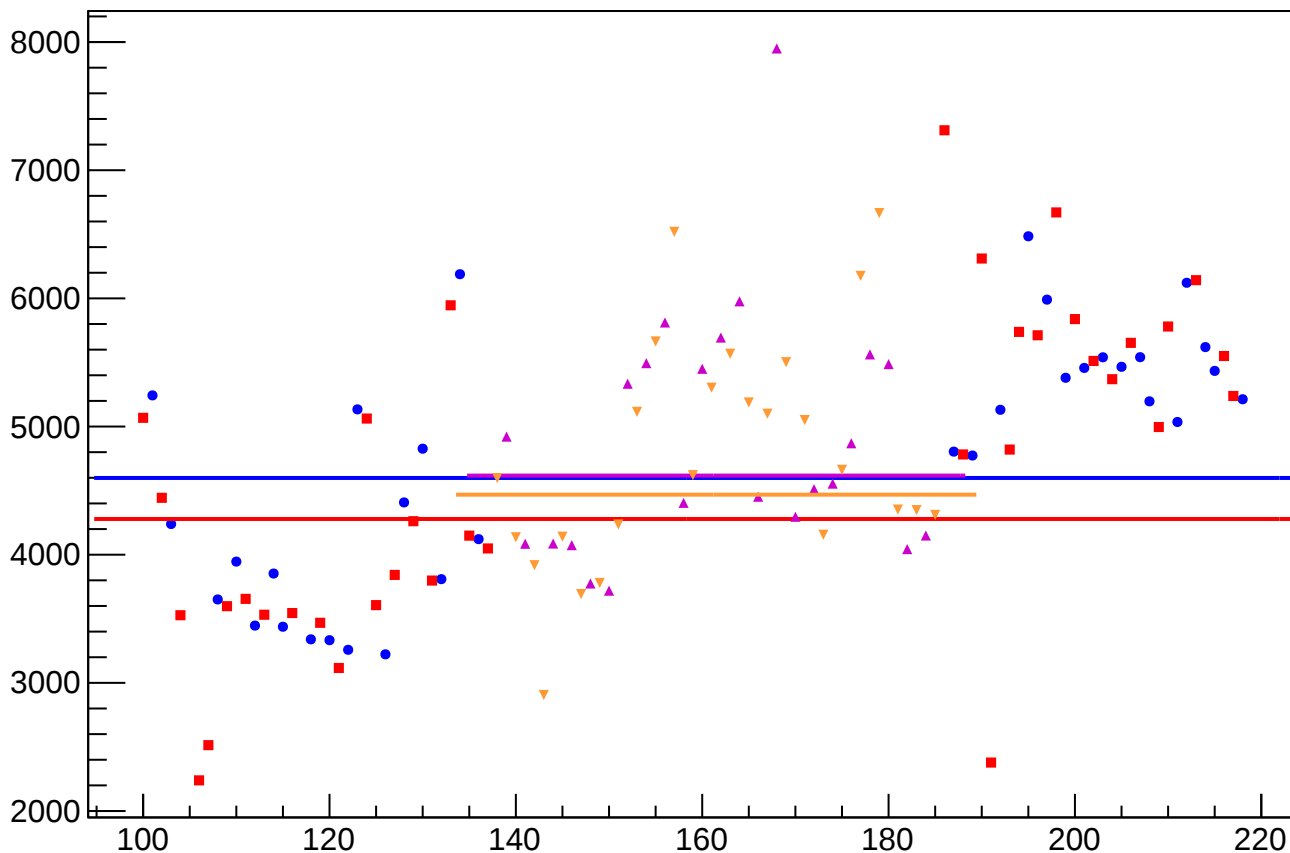
Left In: 200.182 $\pm$ 1123.499 χ^2 /NDF: 14.7/22

+ sign 190.356 $\pm$ 766.986 χ^2 /NDF: 67.5/57

All: 466.711 $\pm$ 541.179 χ^2 /NDF: 126.4/116

- sign 740.710 $\pm$ 763.709 χ^2 /NDF: 58.7/58

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4598.813 $\pm$ 0.781 χ^2 /NDF: 1497143.1/32

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 4278.663 $\pm$ 0.732 χ^2 /NDF: 2752078.1/35

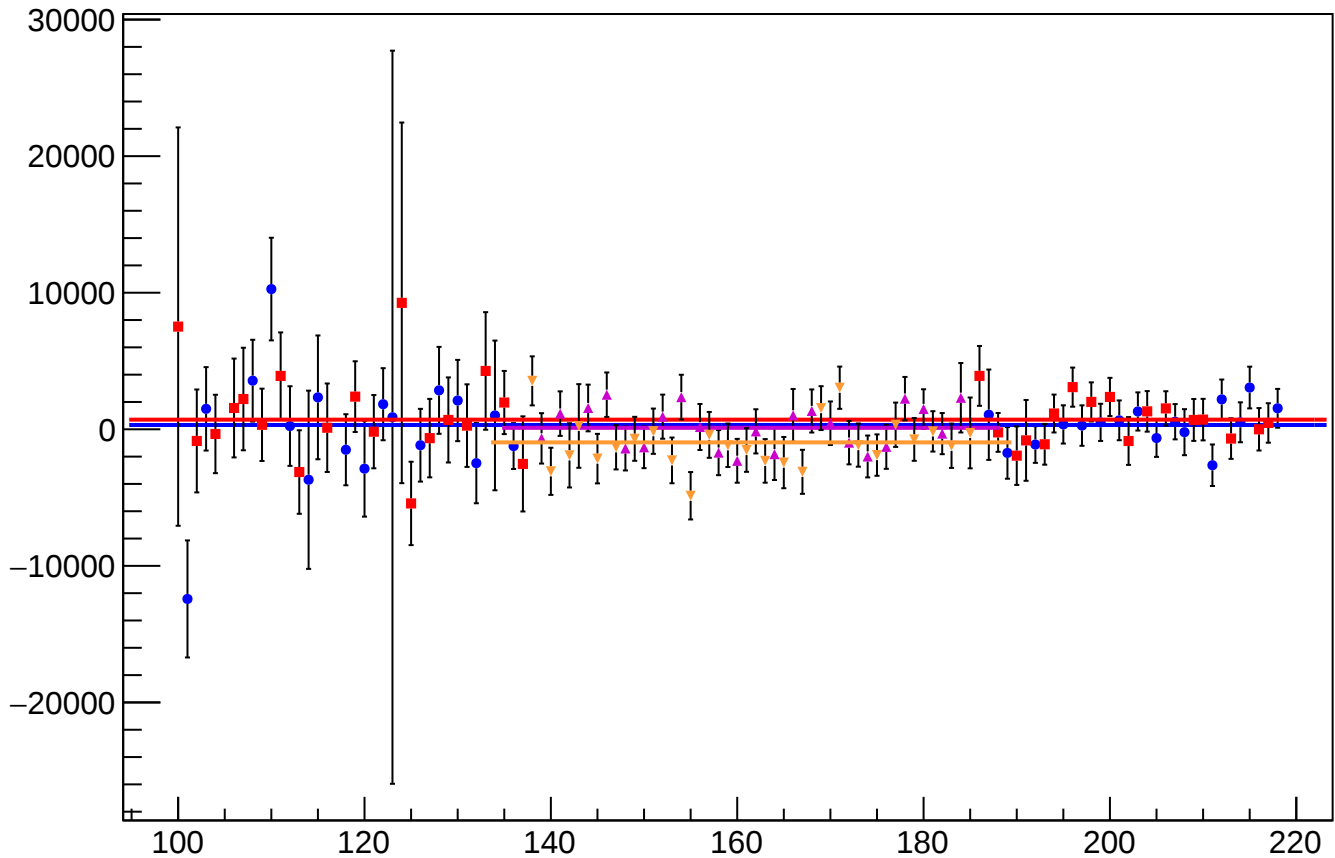
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 4531.306 $\pm$ 0.542 χ^2 /NDF: 2892154.5/57

All: 4482.435 $\pm$ 0.382 χ^2 /NDF: 6758168.5/11

- sign 4434.253 $\pm$ 0.538 χ^2 /NDF: 3849888.3/58

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 315.840 $\pm$ 334.177 χ^2 /NDF: 35.4/32

Left Out: -958.410 $\pm$ 339.496 χ^2 /NDF:28.5/24

Right Out: 705.538 $\pm$ 334.219 χ^2 /NDF: 23.9/35

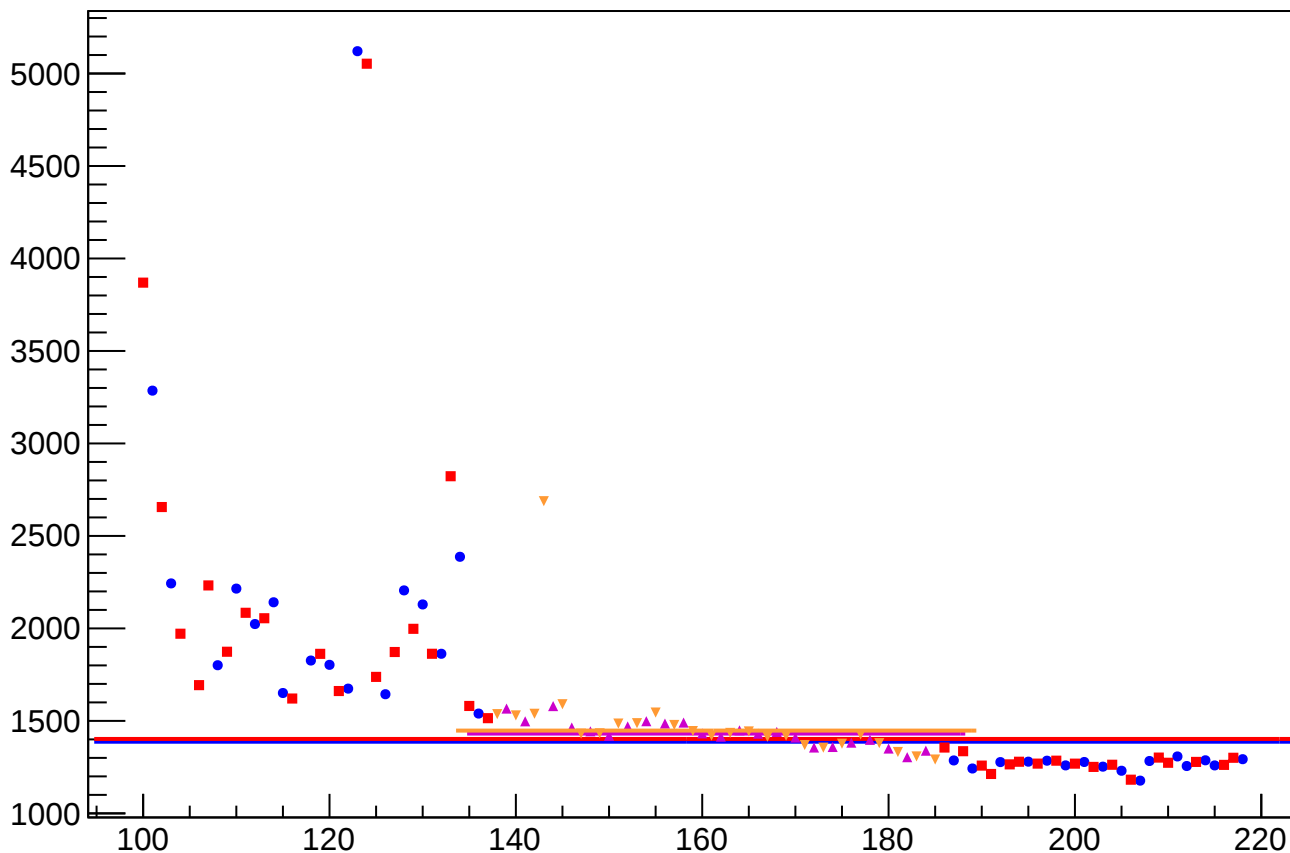
Left In: 107.512 $\pm$ 343.663 χ^2 /NDF:19.5/22

+ sign -311.224 $\pm$ 238.157 χ^2 /NDF: 71.1/57

All: 49.626 $\pm$ 168.910 χ^2 /NDF: 120.6/116

- sign 414.854 $\pm$ 239.598 χ^2 /NDF: 44.9/58

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: 1402.348 $\pm$ 0.236 χ^2 /NDF: 1648512.3/35

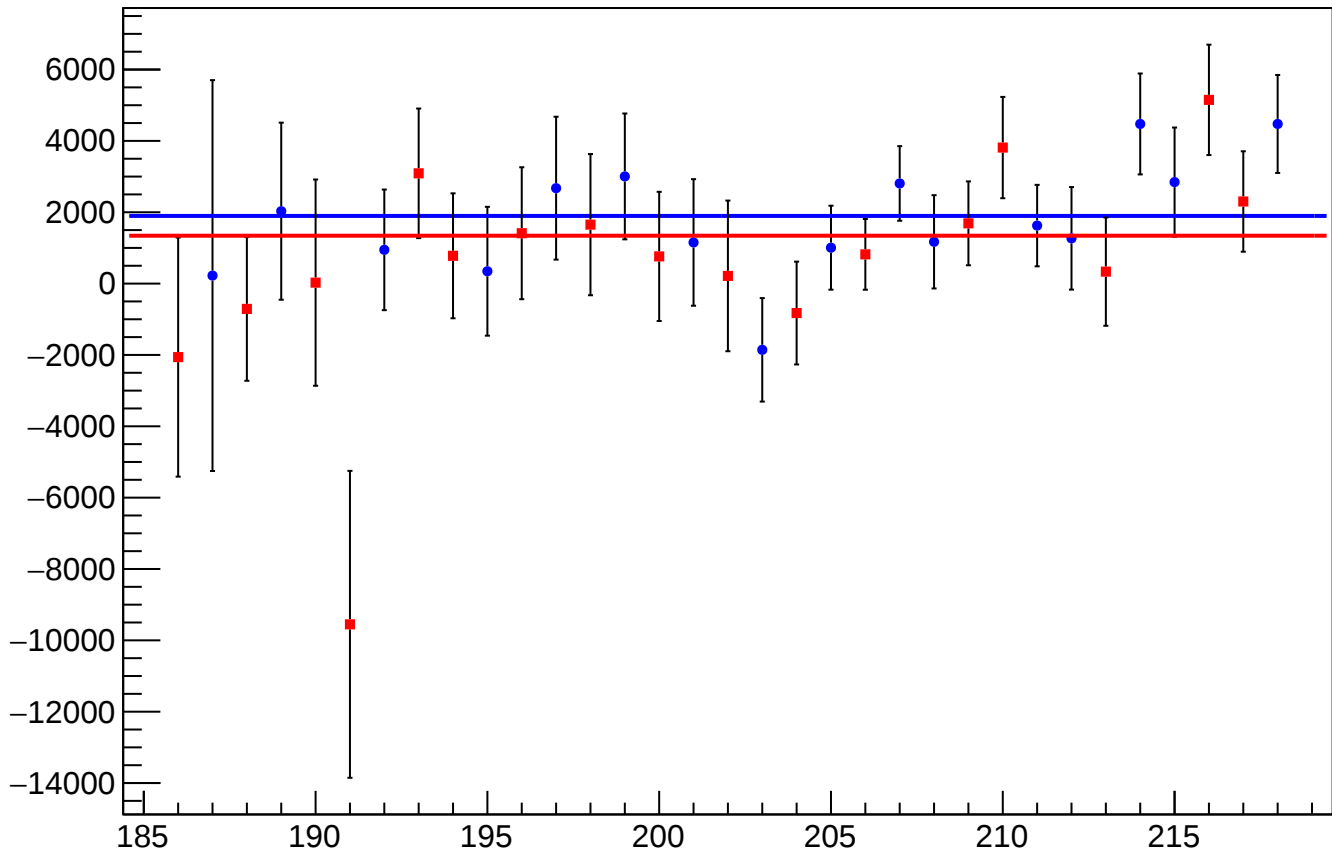
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1417.041 $\pm$ 0.168 χ^2 /NDF: 2059226.1/57

All: 1416.770 $\pm$ 0.119 χ^2 /NDF: 3790247.7/11

- sign 1416.496 $\pm$ 0.169 χ^2 /NDF: 1731016.4/58

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1897.098+/-374.050 χ^2/NDF : 17.7/15

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1342.227+/-398.729 χ^2/NDF : 22.8/16

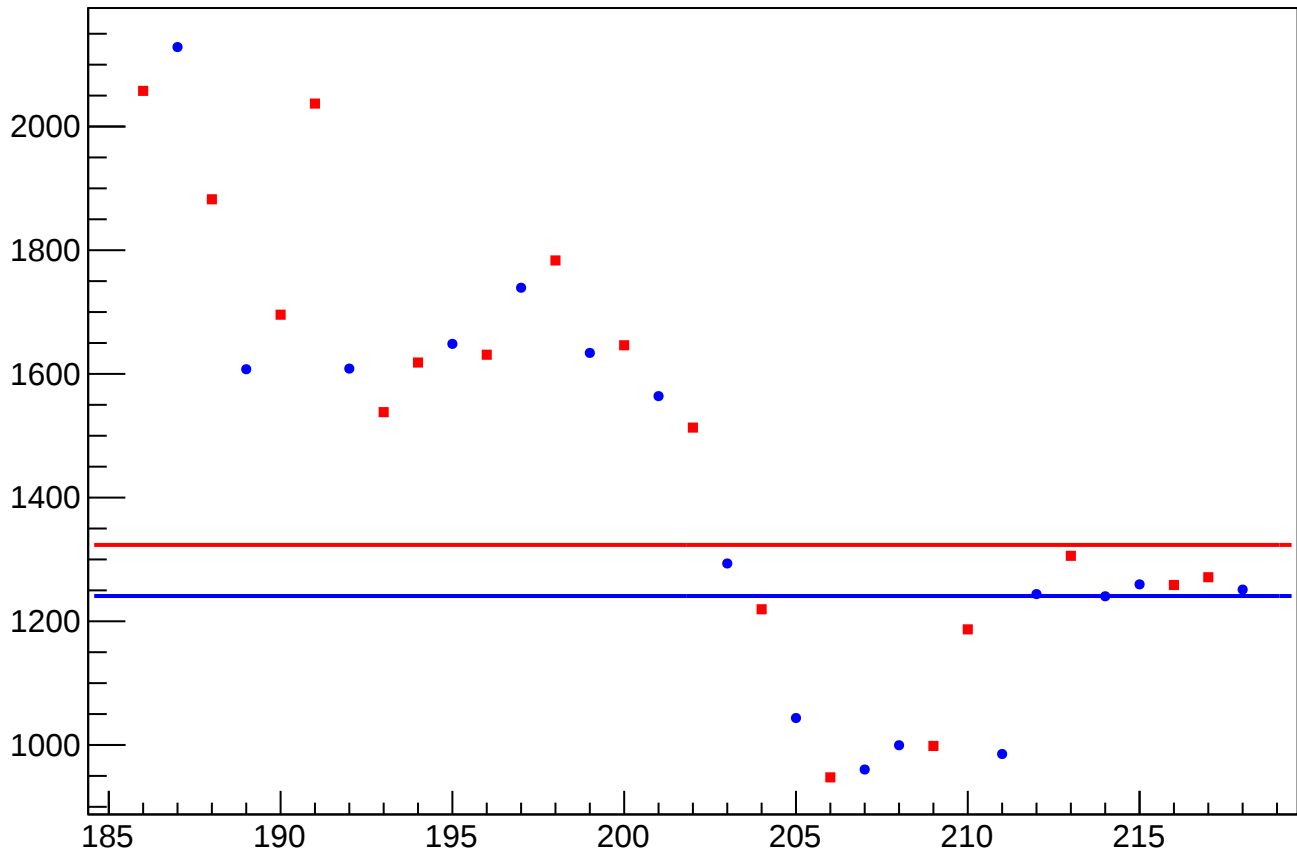
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1637.364+/-272.801 χ^2/NDF : 41.5/32

- sign 0.000+/-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: 1323.459+/-0.282 χ^2/NDF : 1141386.5/16

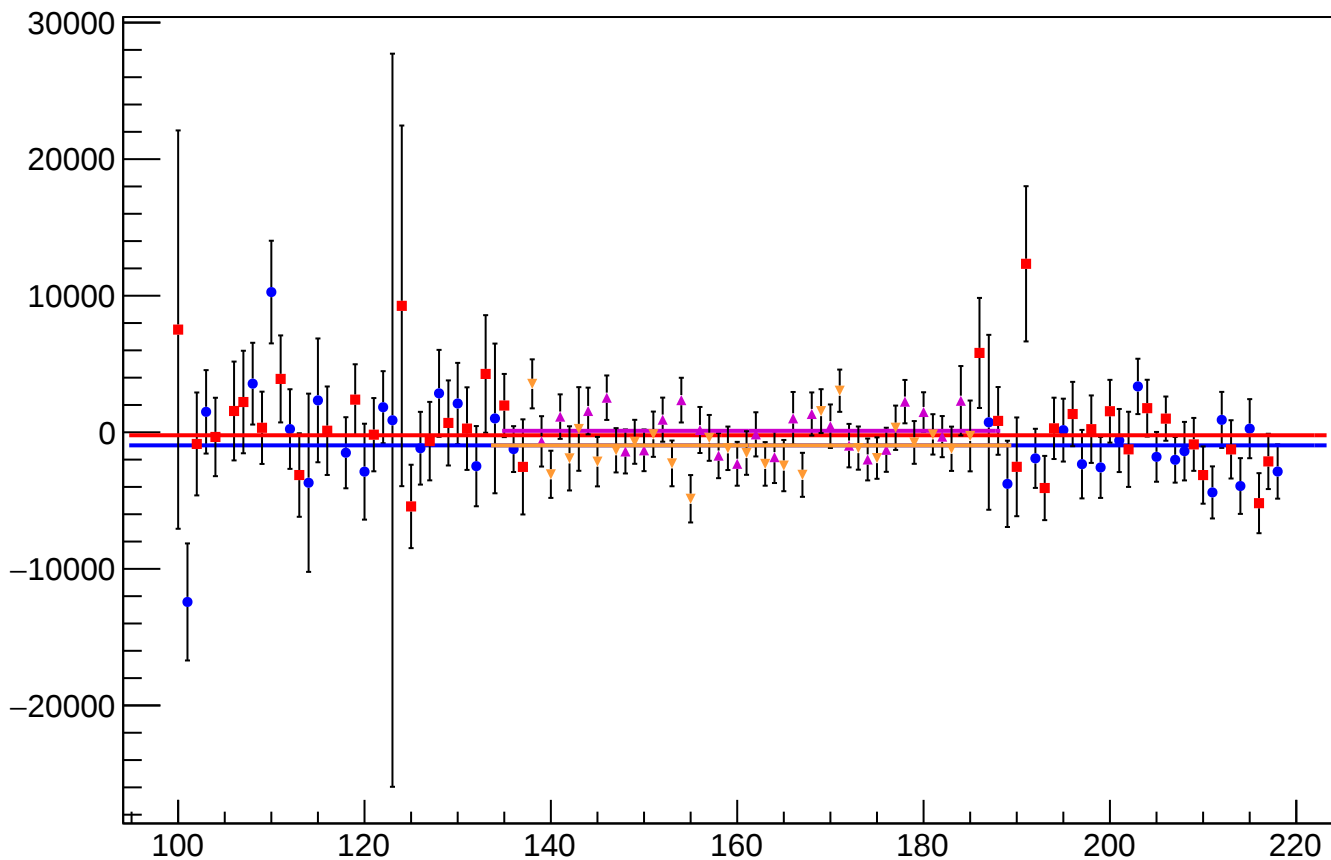
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1279.521+/-0.193 χ^2/NDF : 2140791.7/32

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -956.878 $\pm$ 439.447 χ^2/NDF : 39.1/32

Left Out: -958.410 $\pm$ 339.496 χ^2/NDF : 28.5/24

Right Out: -217.658 $\pm$ 447.233 χ^2/NDF : 32.0/35

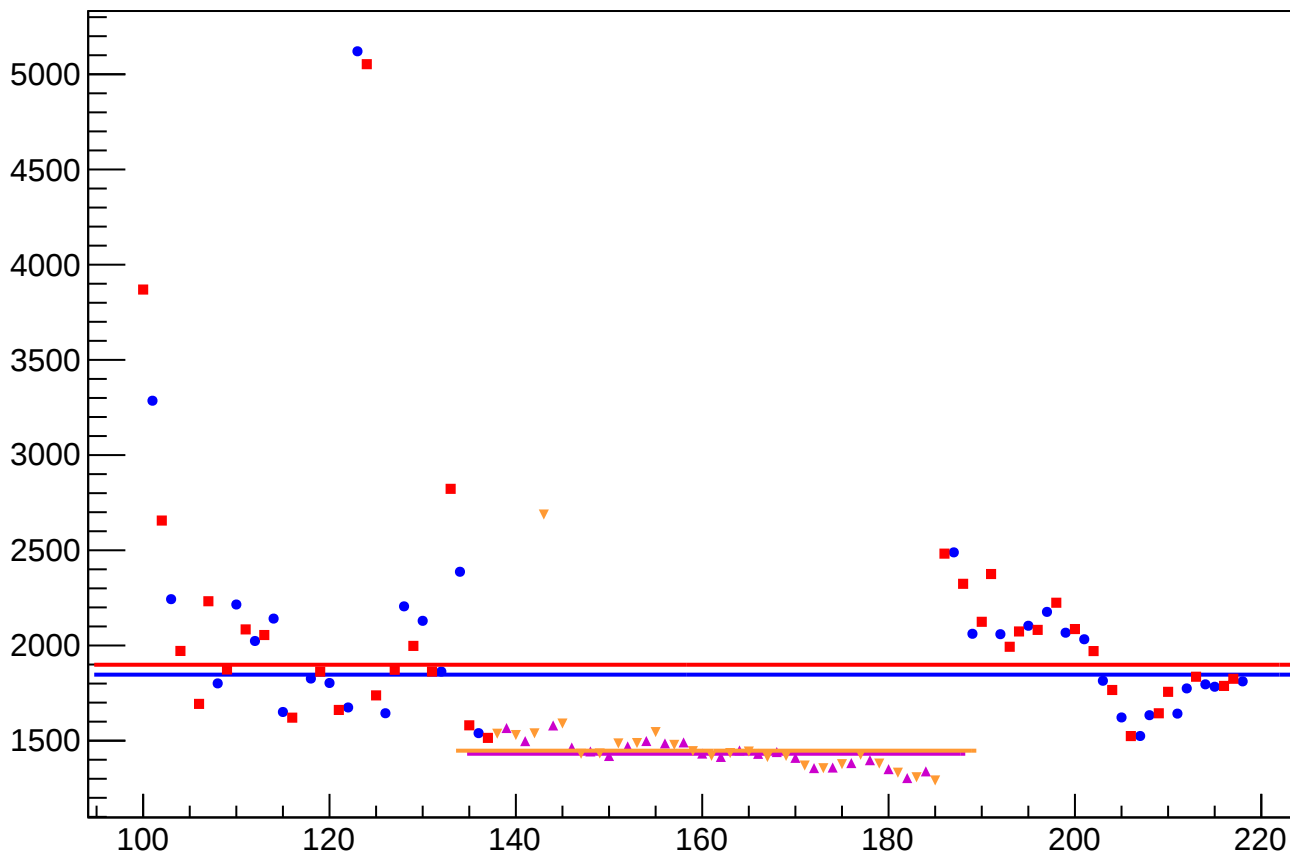
Left In: 107.512 $\pm$ 343.663 χ^2/NDF : 19.5/22

+ sign -957.838 $\pm$ 268.661 χ^2/NDF : 67.6/57

All: -492.228 $\pm$ 191.316 χ^2/NDF : 125.5/116

- sign -13.209 $\pm$ 272.502 χ^2/NDF : 51.8/58

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: 1898.863 $\pm$ 0.316 χ^2 /NDF: 828329.8/35

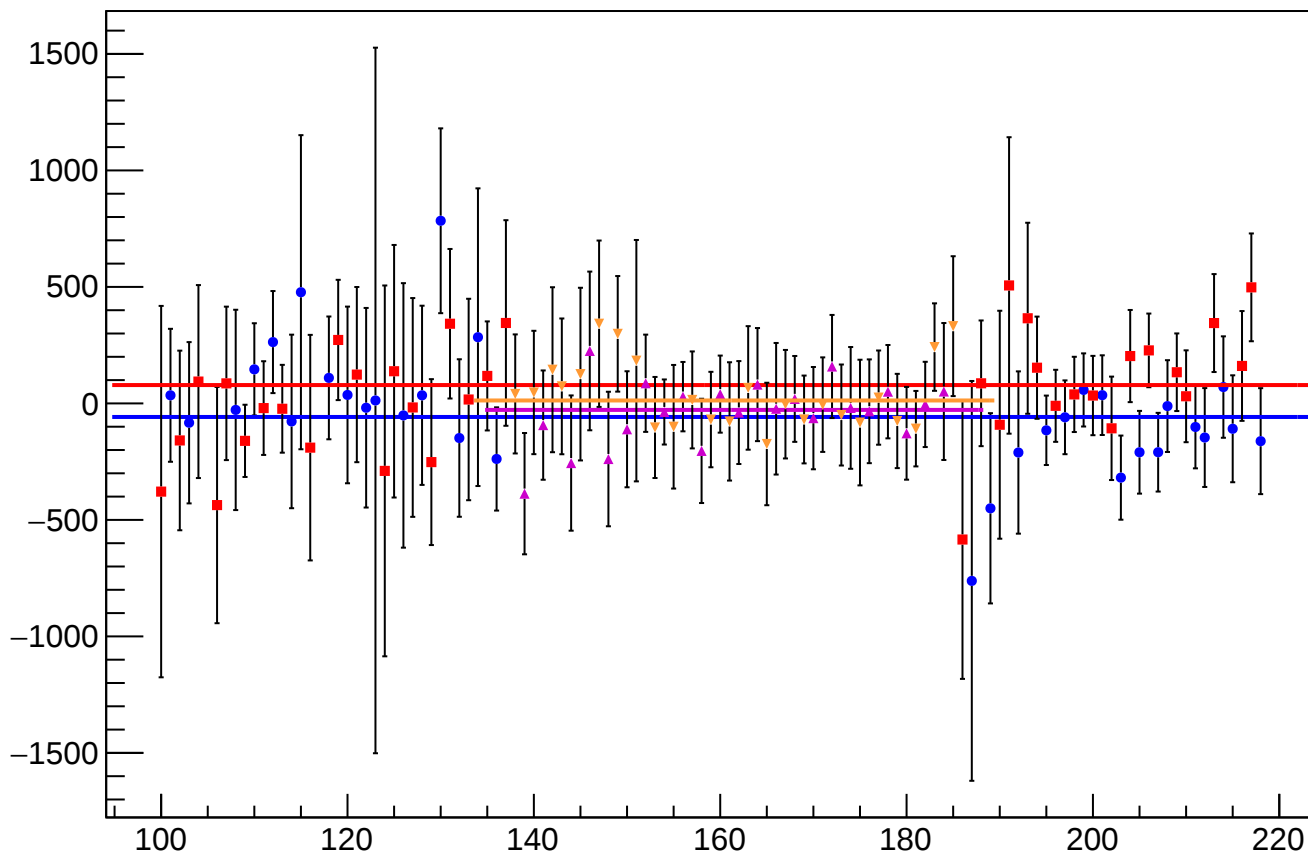
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1596.792 $\pm$ 0.190 χ^2 /NDF: 2222120.5/57

All: 1600.830 $\pm$ 0.135 χ^2 /NDF: 4500009.7/11

- sign 1604.984 $\pm$ 0.193 χ^2 /NDF: 2276972.6/58

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -58.199 ± 41.930 χ^2/NDF : 17.3/32

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 78.749 ± 41.682 χ^2/NDF : 17.8/35

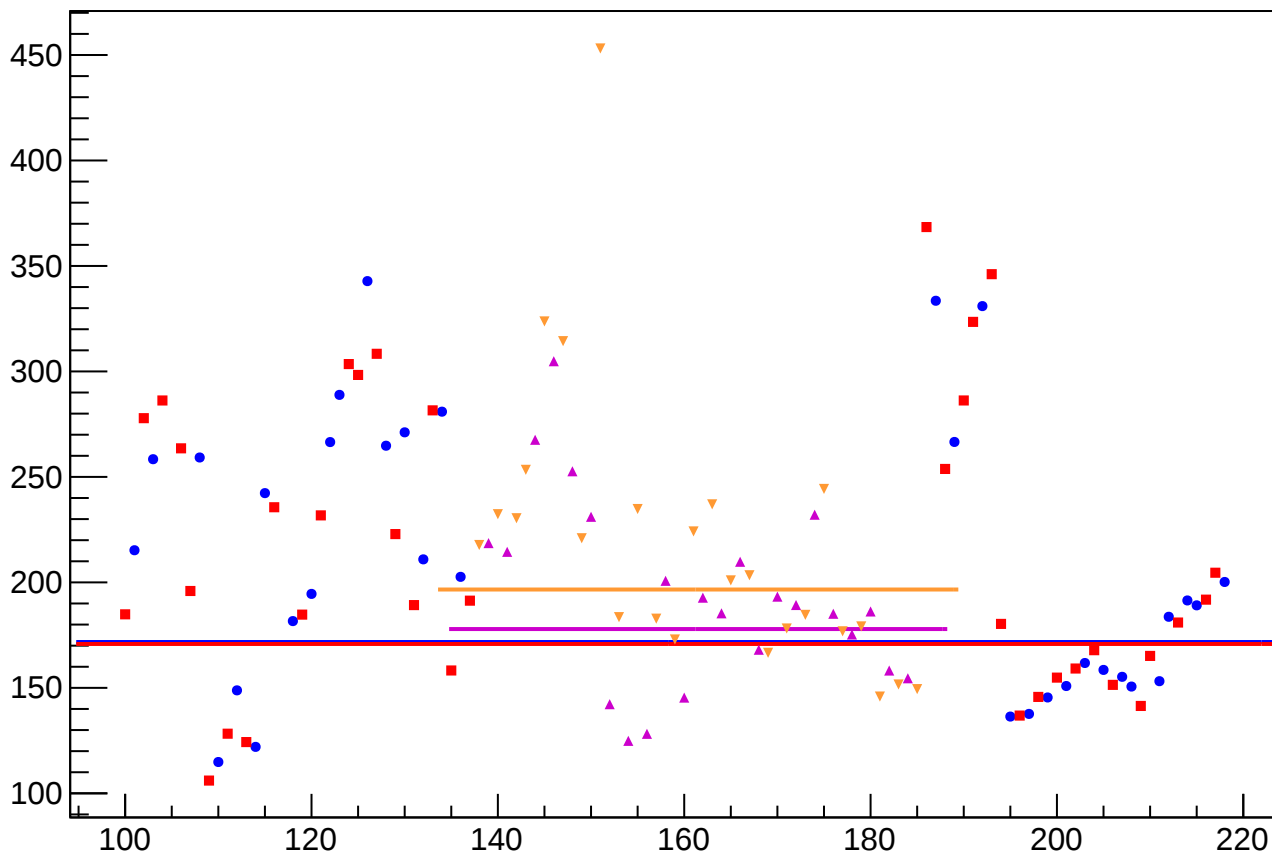
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign -27.173 ± 31.431 χ^2/NDF : 26.2/57

All: 1.785 ± 21.862 χ^2/NDF : 55.3/116

- sign 28.926 ± 30.429 χ^2/NDF : 27.4/58

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: 170.810 $\pm$ 0.029 χ^2 /NDF: 2901013.0/35

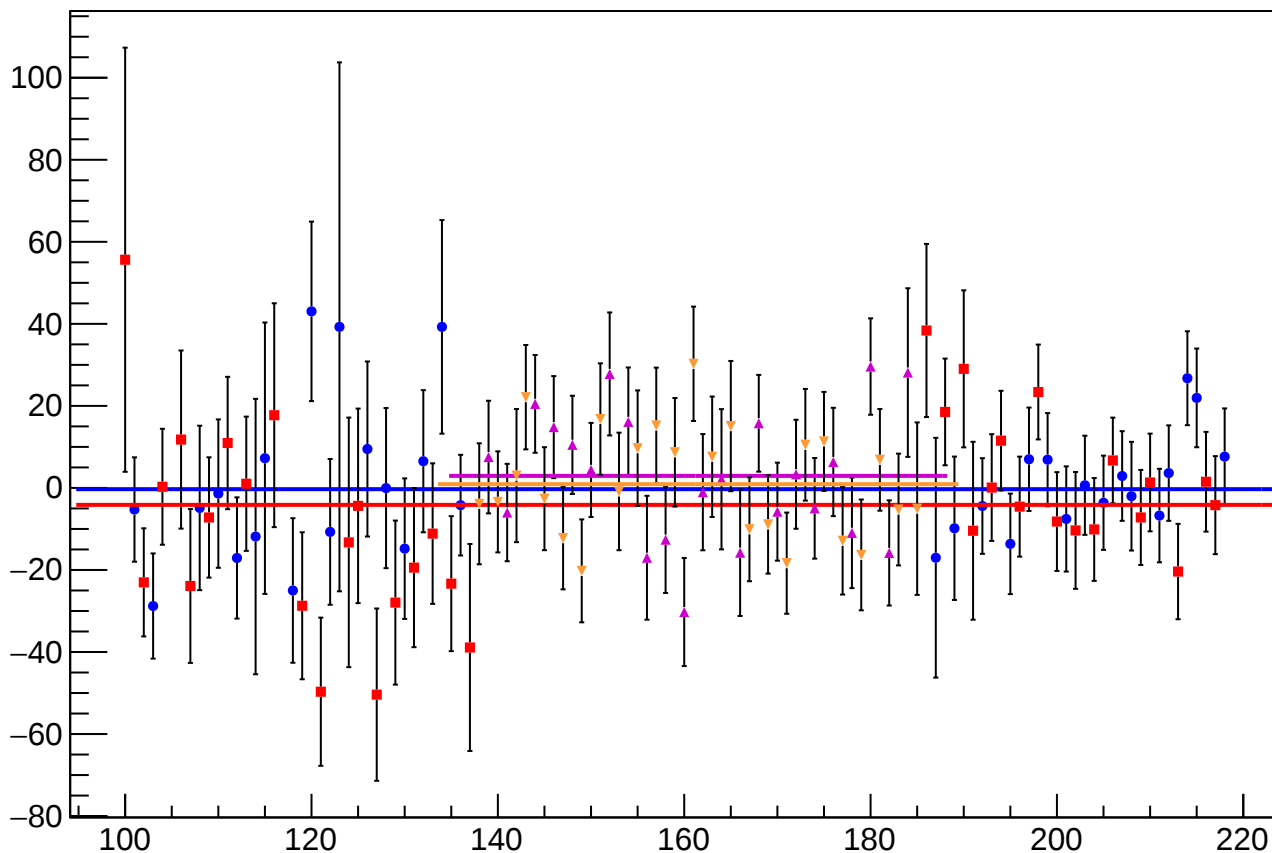
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 182.631 $\pm$ 0.022 χ^2 /NDF: 4305152.5/57

All: 178.233 $\pm$ 0.015 χ^2 /NDF: 8952971.8/116

- sign 174.111 $\pm$ 0.022 χ^2 /NDF: 4571959.1/58

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: -4.127 $\pm$ 2.518 χ^2/NDF : 47.1/35

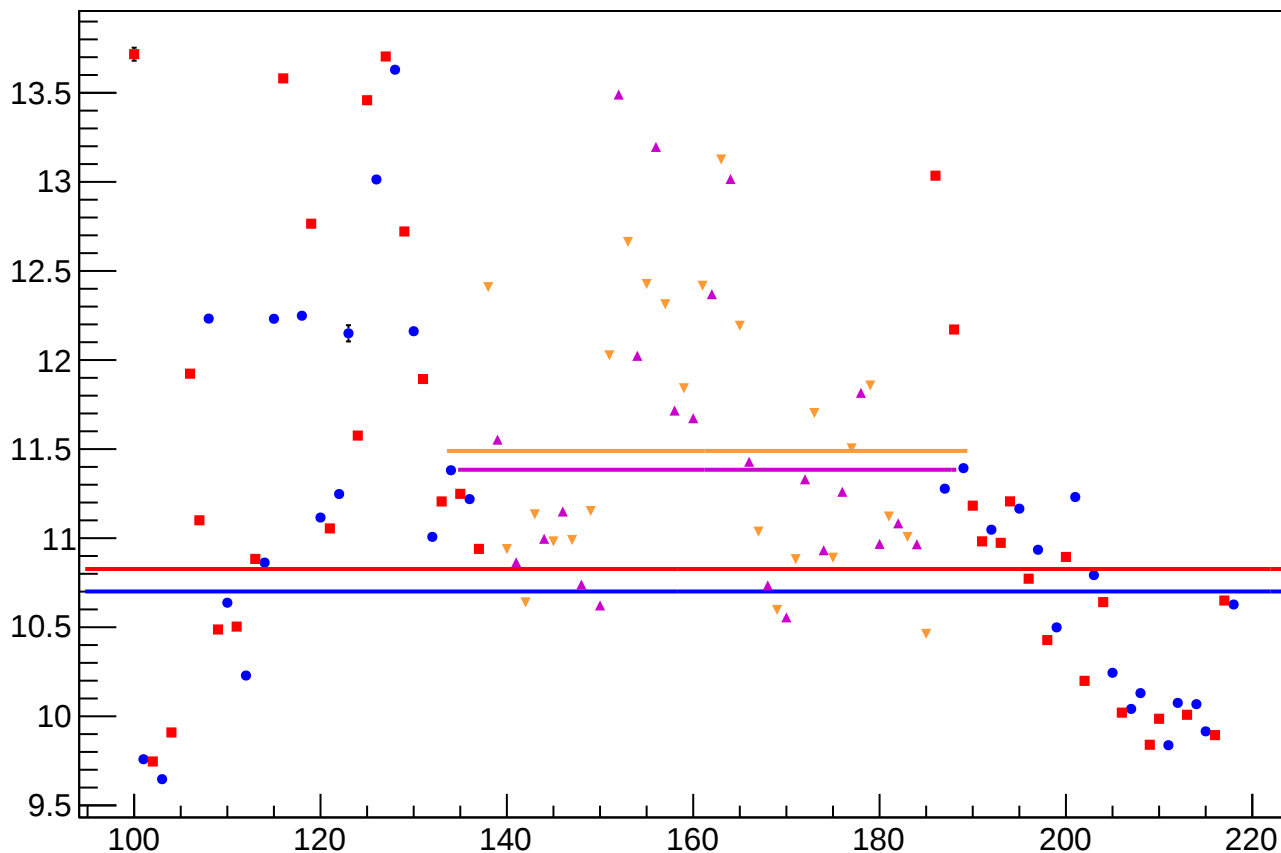
Left In: 2.941 $\pm$ 2.745 χ^2/NDF : 31.0/22

+ sign 0.269 $\pm$ 1.844 χ^2/NDF : 53.9/57

All: -0.310 $\pm$ 1.308 χ^2/NDF : 135.8/116

- sign -0.897 $\pm$ 1.855 χ^2/NDF : 81.8/58

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: 10.827 $\pm$ 0.002 χ^2 /NDF: 280938.9/35

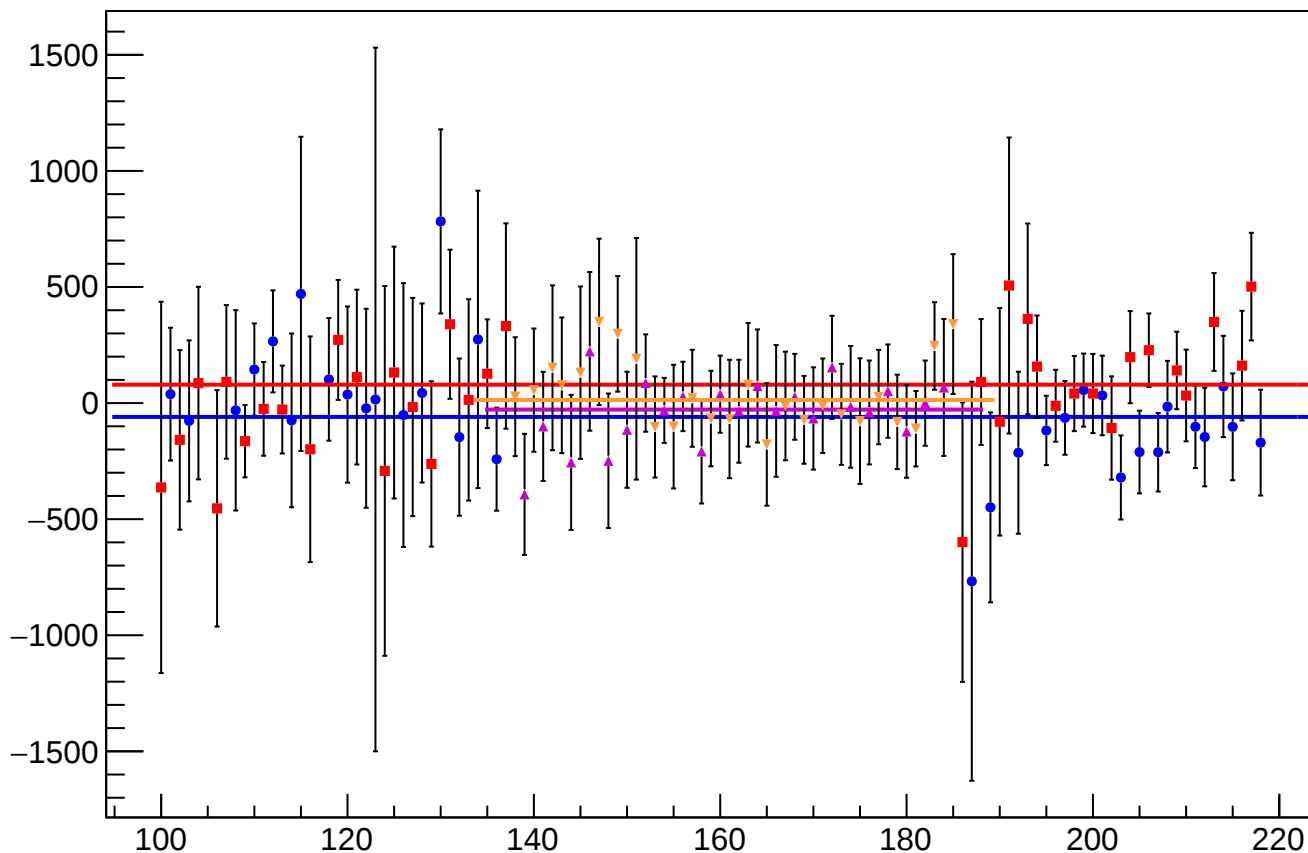
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.070 $\pm$ 0.001 χ^2 /NDF: 433322.9/57

All: 11.076 $\pm$ 0.001 χ^2 /NDF: 908836.3/116

- sign 11.082 $\pm$ 0.001 χ^2 /NDF: 475473.1/58

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: 79.249 ± 41.789 χ^2/NDF : 18.0/35

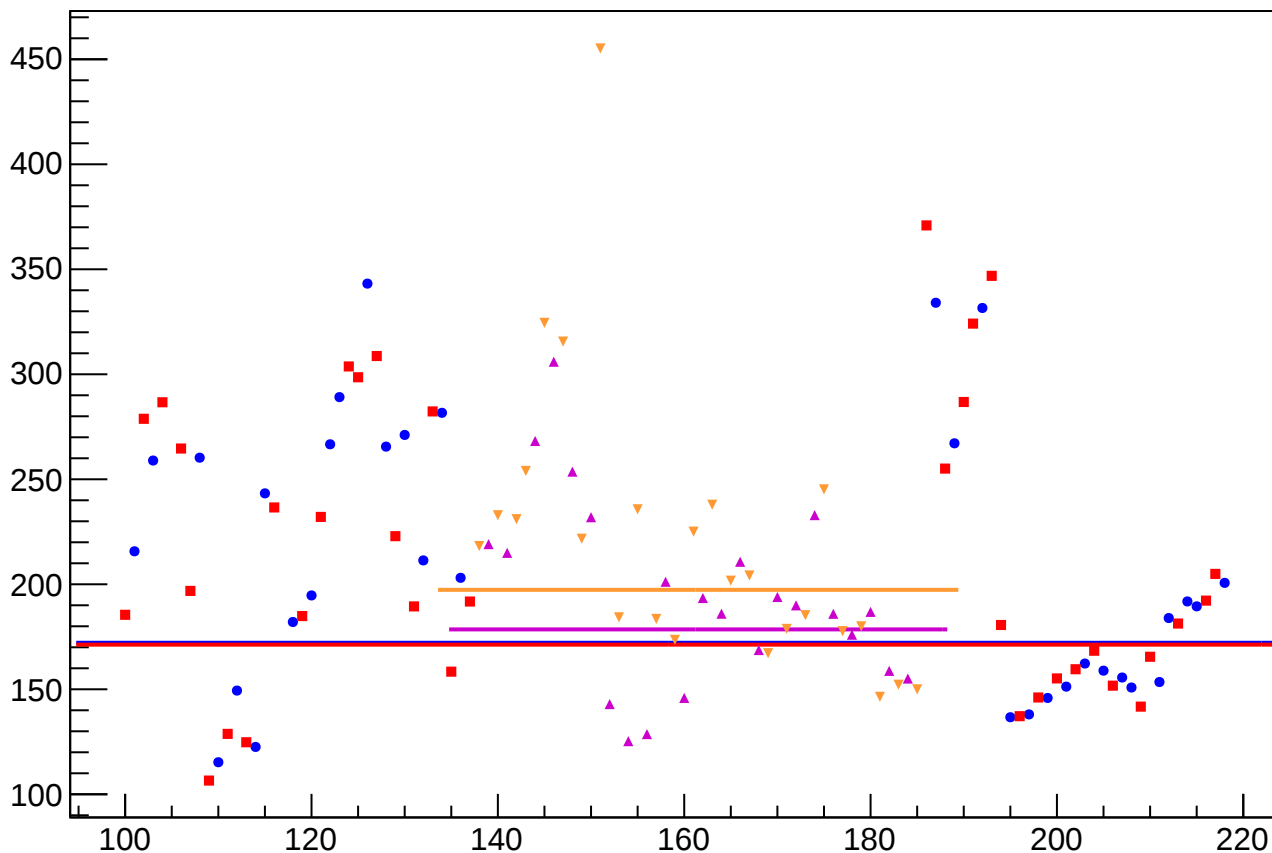
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -27.717 ± 31.524 χ^2/NDF : 26.5/57

All: 1.654 ± 21.928 χ^2/NDF : 55.9/116

- sign 29.184 ± 30.521 χ^2/NDF : 27.7/58

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: 171.258 $\pm$ 0.030 χ^2 /NDF: 2897085.8/35

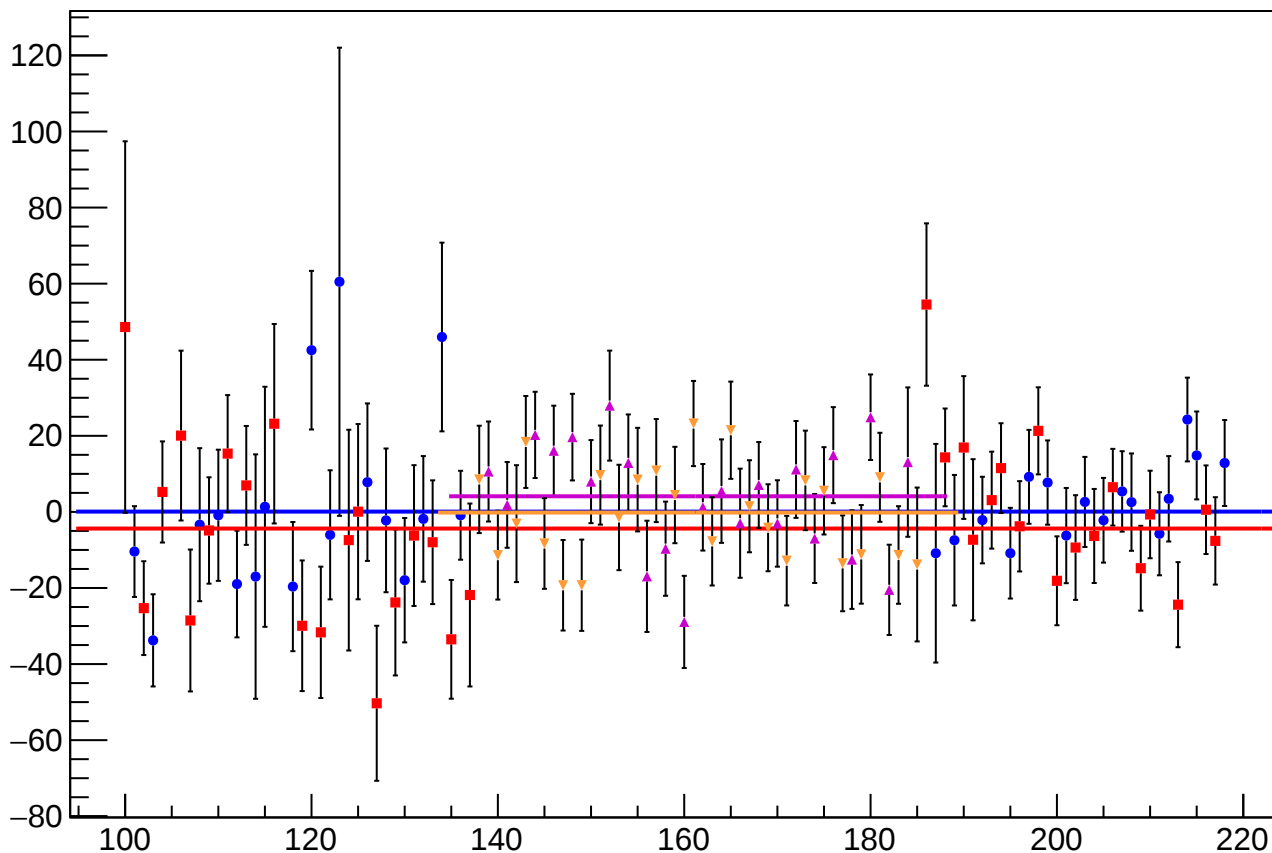
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 183.175 $\pm$ 0.022 χ^2 /NDF: 4303193.6/57

All: 178.771 $\pm$ 0.016 χ^2 /NDF: 8946322.3/116

- sign 174.643 $\pm$ 0.022 χ^2 /NDF: 4567505.1/58

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.080 ± 2.437 χ^2/NDF : 33.1/32

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -4.376 ± 2.434 χ^2/NDF : 51.0/35

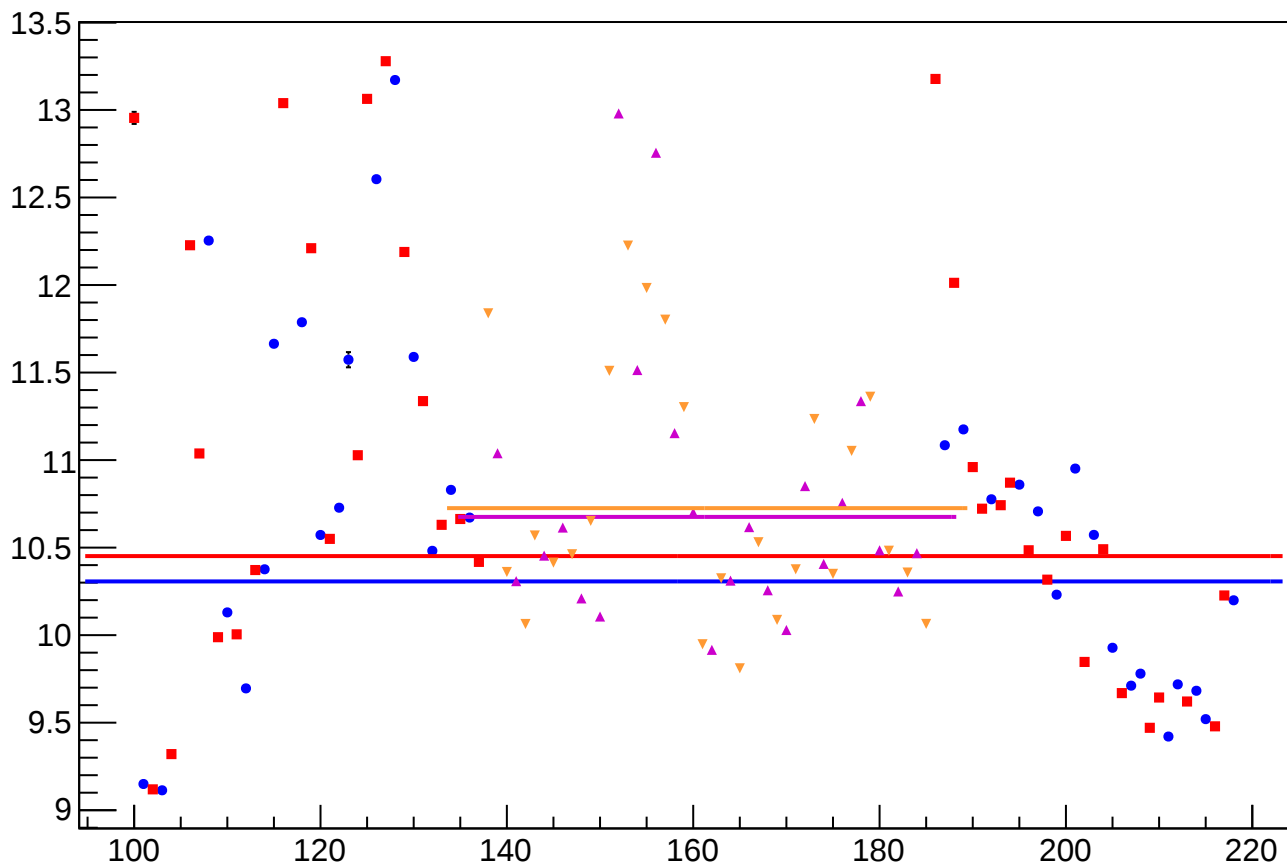
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -0.041 ± 1.752 χ^2/NDF : 57.5/57

All: -0.207 ± 1.245 χ^2/NDF : 145.8/116

- sign -0.377 ± 1.769 χ^2/NDF : 88.3/58

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: 10.452 $\pm$ 0.002 χ^2/NDF : 323797.2/35

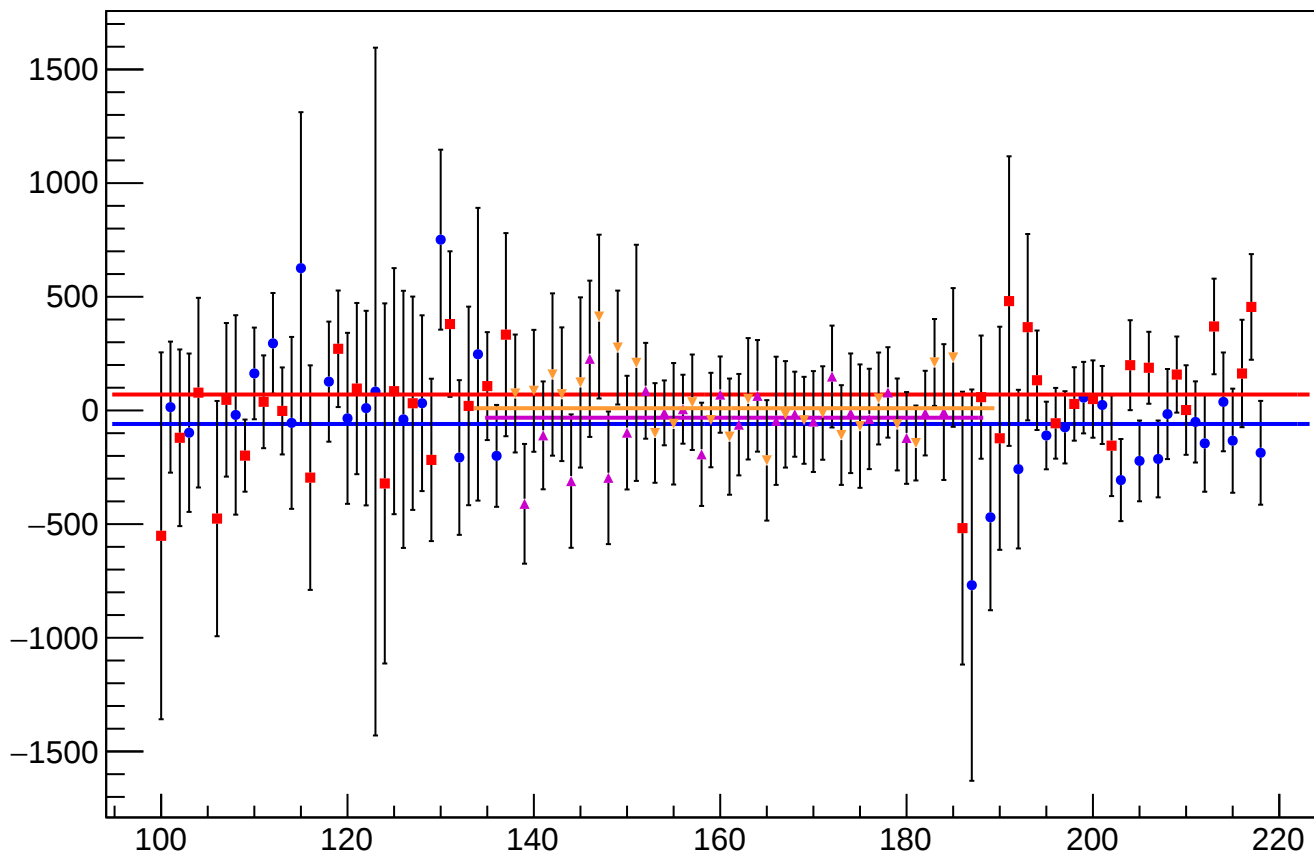
Left In: 10.675 $\pm$ 0.002 χ^2/NDF : 145938.2/22

+ sign 10.509 $\pm$ 0.001 χ^2/NDF : 398387.6/57

All: 10.533 $\pm$ 0.001 χ^2/NDF : 876840.9/116

- sign 10.557 $\pm$ 0.001 χ^2/NDF : 477711.2/58

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: 70.101 ± 41.910 χ^2/NDF : 18.6/35

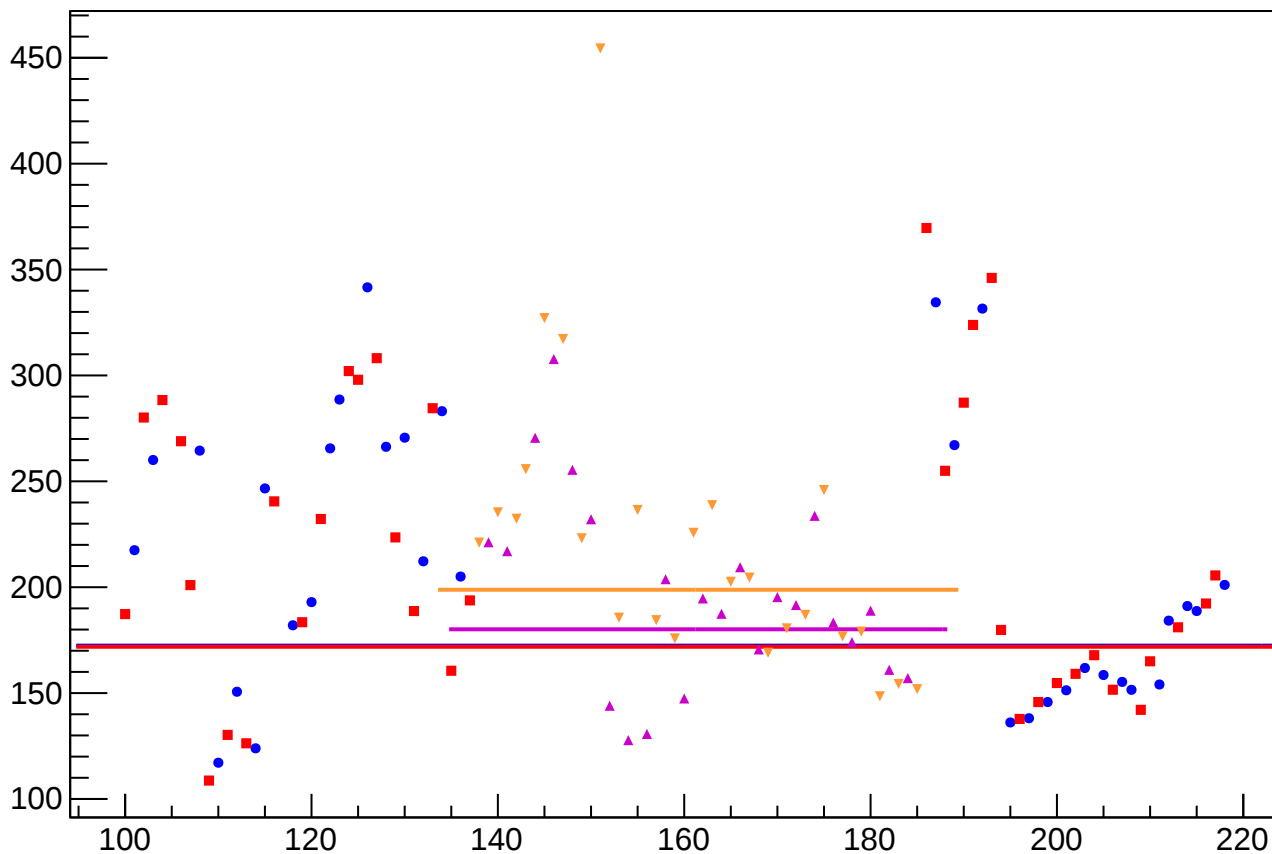
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -29.350 ± 31.641 χ^2/NDF : 26.4/57

All: -2.511 ± 22.026 χ^2/NDF : 56.4/116

- sign 22.724 ± 30.681 χ^2/NDF : 28.5/58

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: 171.885 $\pm$ 0.030 χ^2 /NDF: 2855014.2/35

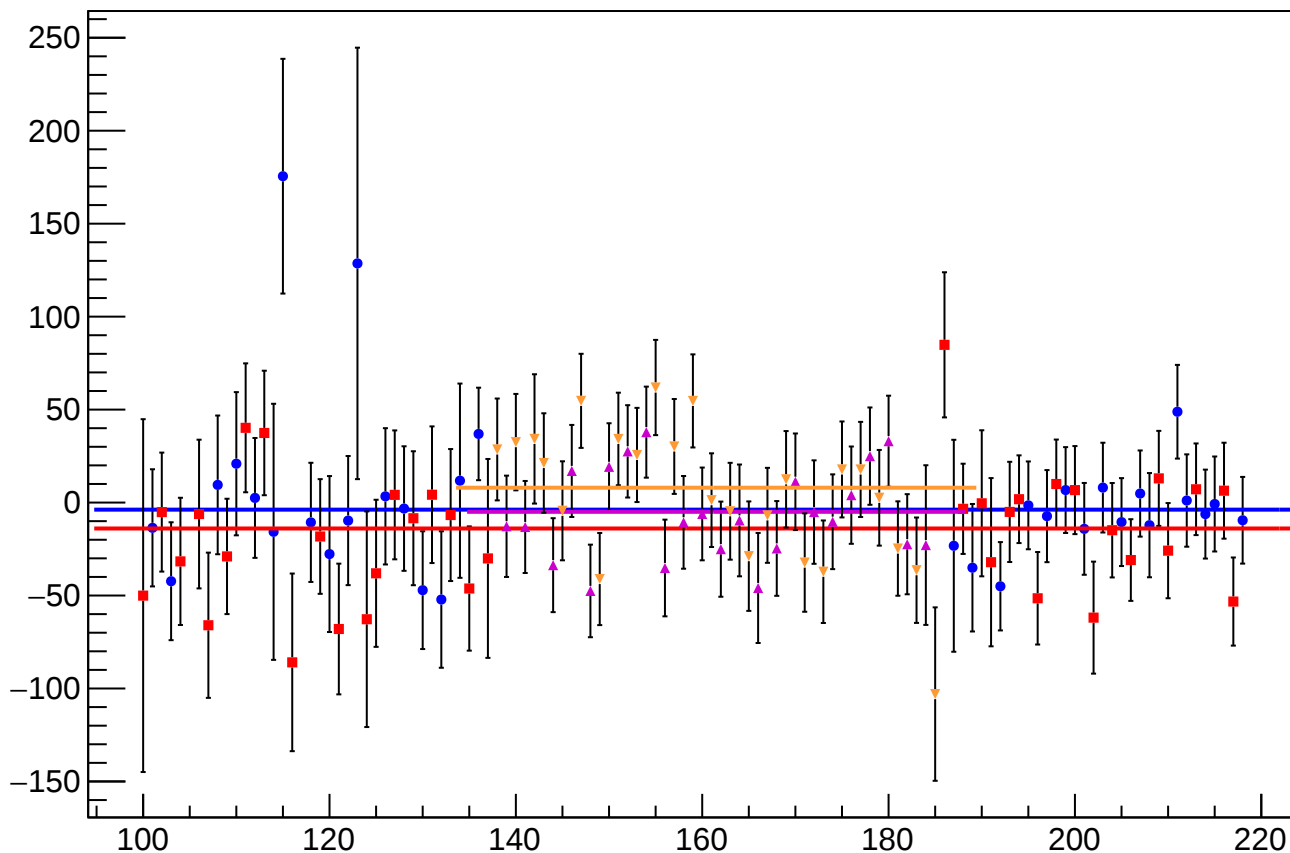
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 183.883 $\pm$ 0.022 χ^2 /NDF: 4298509.2/57

All: 179.670 $\pm$ 0.016 χ^2 /NDF: 8852043.1/116

- sign 175.708 $\pm$ 0.022 χ^2 /NDF: 4484719.3/58

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.808 ± 5.167 $\chi^2/\text{NDF}: 27.8/32$

Left Out: 7.990 ± 5.327 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -13.944 ± 5.121 $\chi^2/\text{NDF}: 34.7/35$

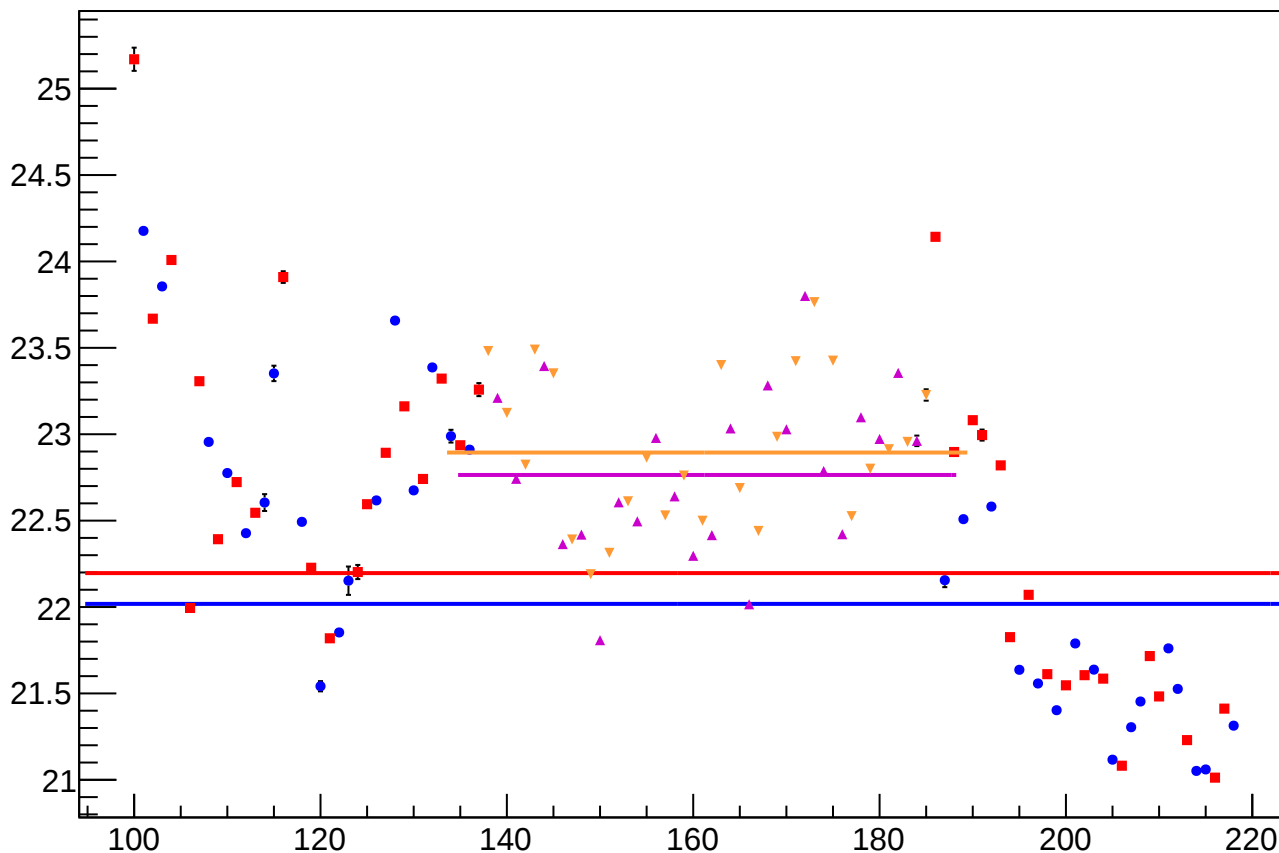
Left In: -4.973 ± 5.444 $\chi^2/\text{NDF}: 20.5/22$

+ sign 1.911 ± 3.709 $\chi^2/\text{NDF}: 67.7/57$

All: -3.878 ± 2.630 $\chi^2/\text{NDF}: 129.2/116$

- sign -9.733 ± 3.730 $\chi^2/\text{NDF}: 56.6/58$

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: 22.196 $\pm$ 0.004 χ^2 /NDF: 55116.0/35

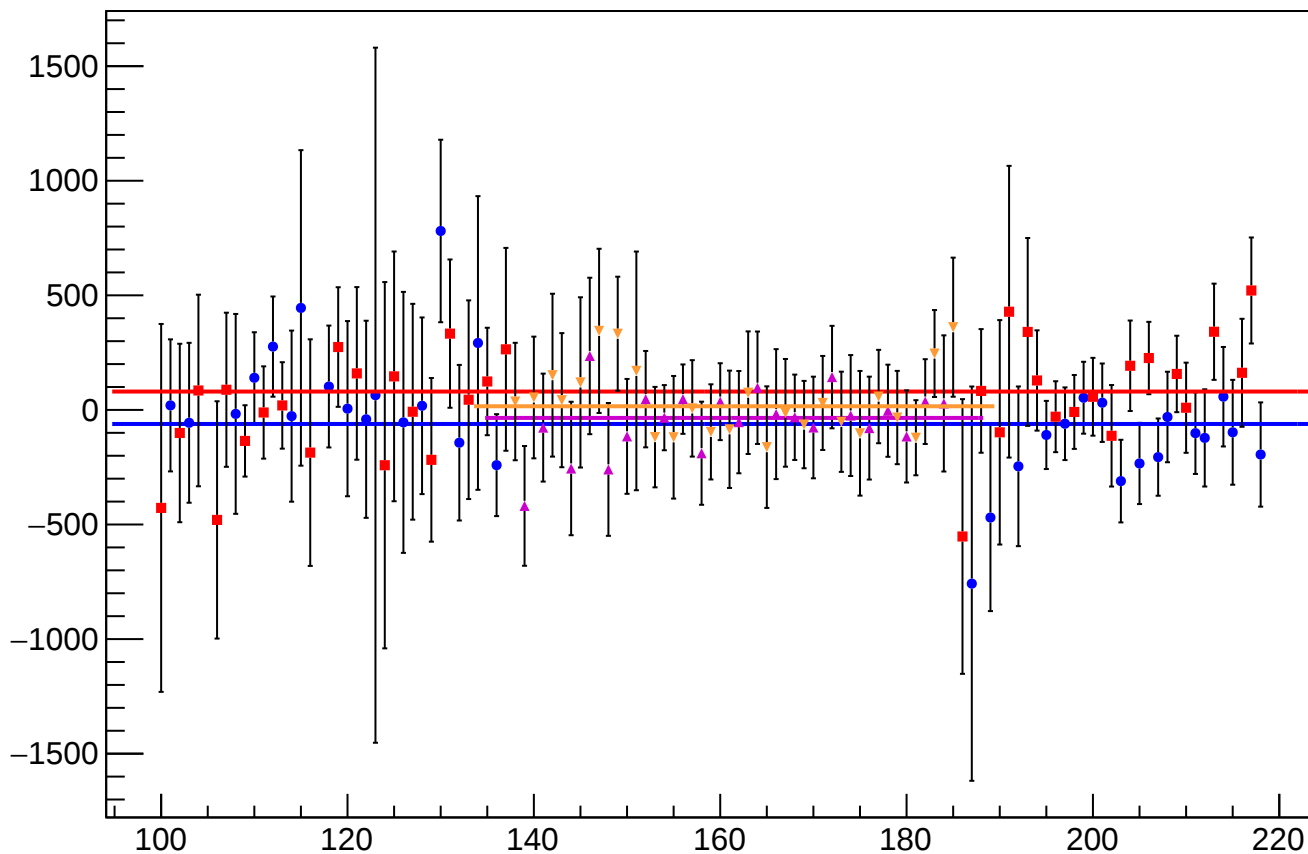
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.443 $\pm$ 0.003 χ^2 /NDF: 92782.1/57

All: 22.453 $\pm$ 0.002 χ^2 /NDF: 174138.8/116

- sign 22.463 $\pm$ 0.003 χ^2 /NDF: 81327.3/58

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: 80.154 ± 41.735 $\chi^2/\text{NDF}: 17.0/35$

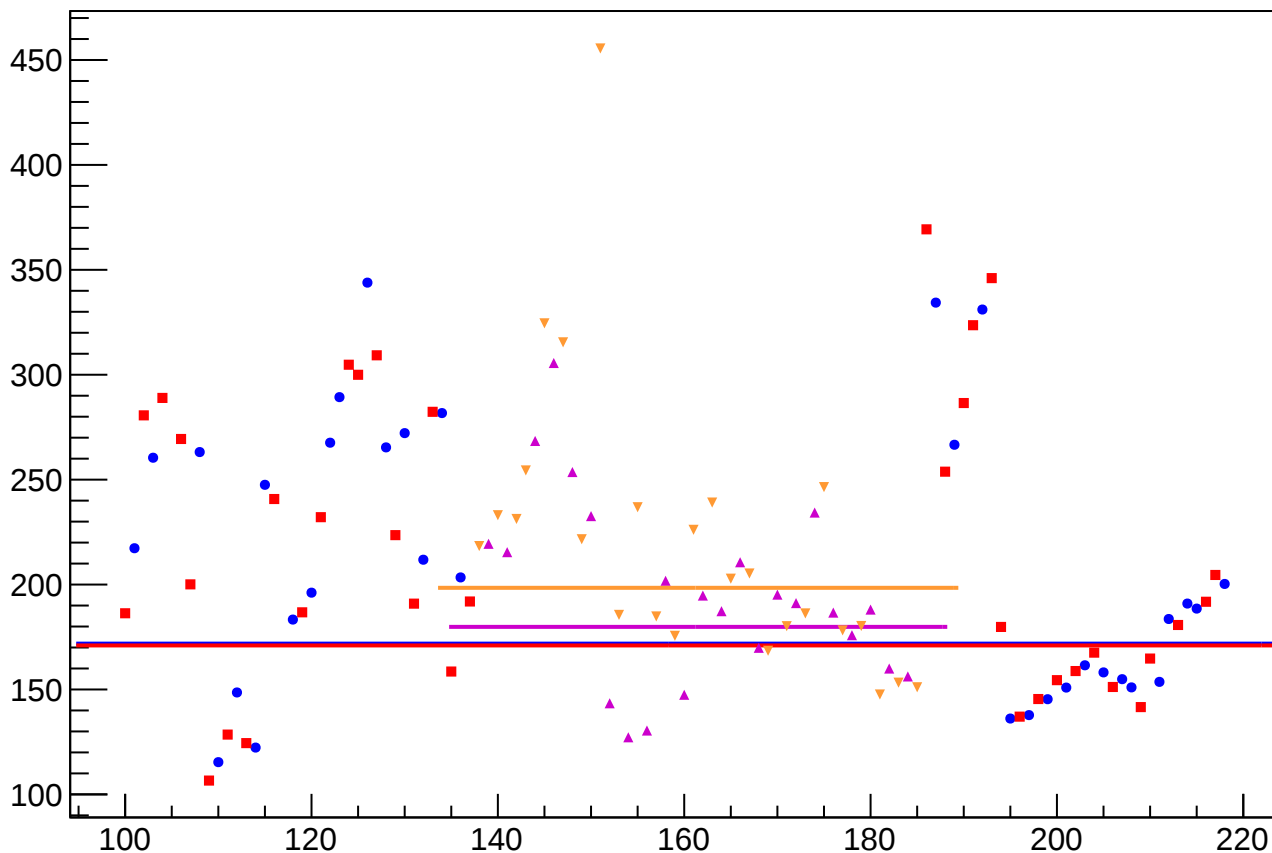
Left In: -34.919 ± 44.971 $\chi^2/\text{NDF}: 6.6/22$

+ sign -27.768 ± 31.567 $\chi^2/\text{NDF}: 27.2/57$

All: 0.427 ± 21.968 $\chi^2/\text{NDF}: 55.9/116$

- sign 26.906 ± 30.591 $\chi^2/\text{NDF}: 27.1/58$

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: 170.987 $\pm$ 0.030 χ^2 /NDF: 2924061.6/35

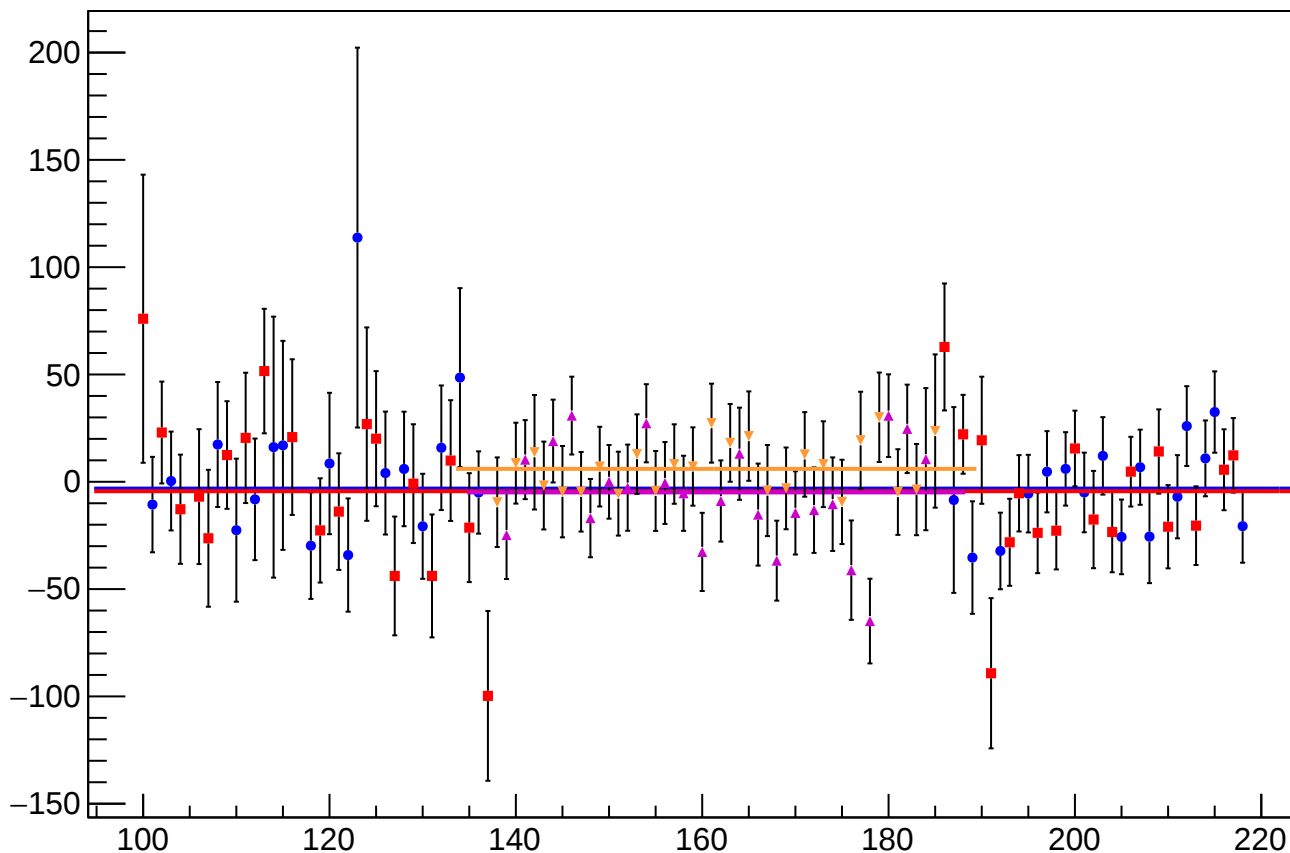
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 183.401 $\pm$ 0.022 χ^2 /NDF: 4334821.7/57

All: 179.112 $\pm$ 0.016 χ^2 /NDF: 8960972.8/116

- sign 175.083 $\pm$ 0.022 χ^2 /NDF: 4554532.6/58

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: -4.388 ± 3.901 χ^2/NDF : 44.7/35

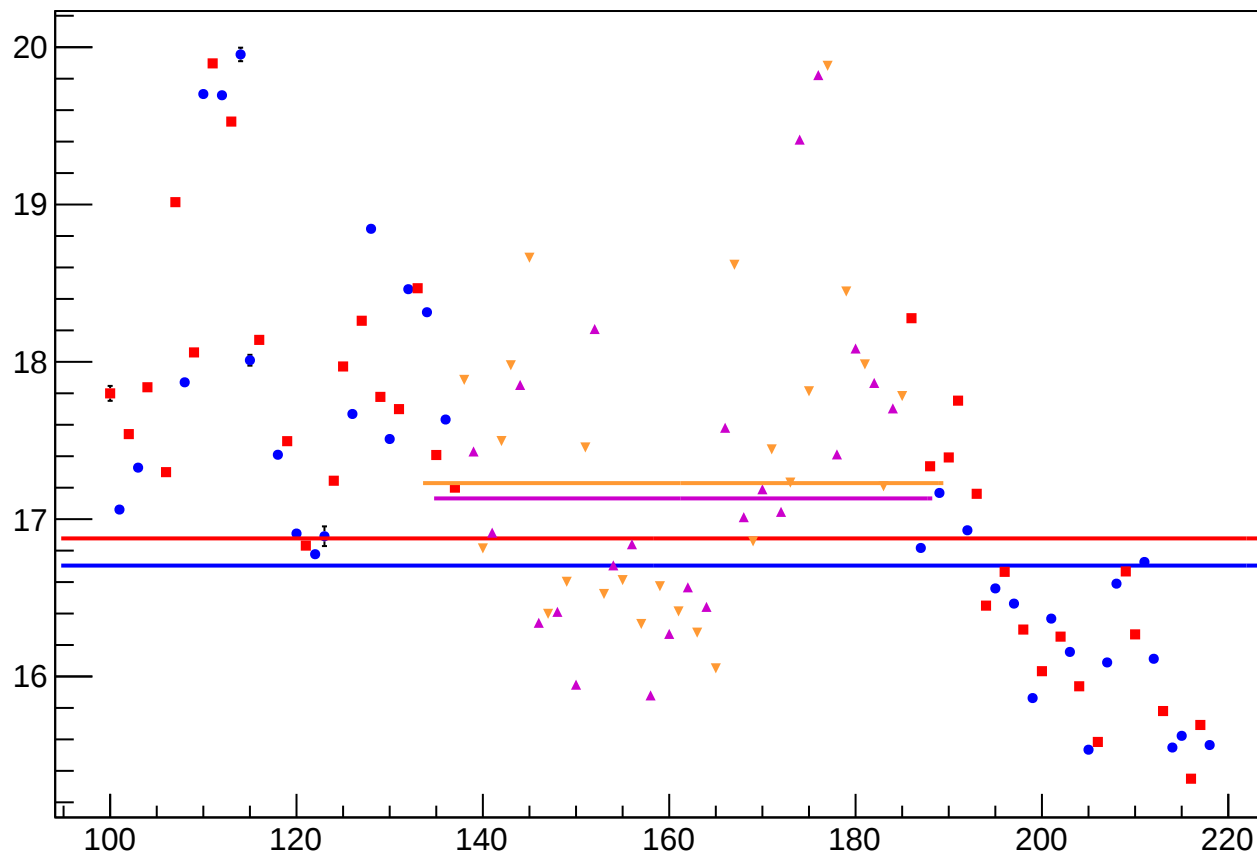
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.313 ± 2.808 χ^2/NDF : 35.3/57

All: -1.647 ± 1.993 χ^2/NDF : 117.1/116

- sign -4.651 ± 2.829 χ^2/NDF : 79.6/58

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: 16.878 $\pm$ 0.003 χ^2/NDF : 144546.3/35

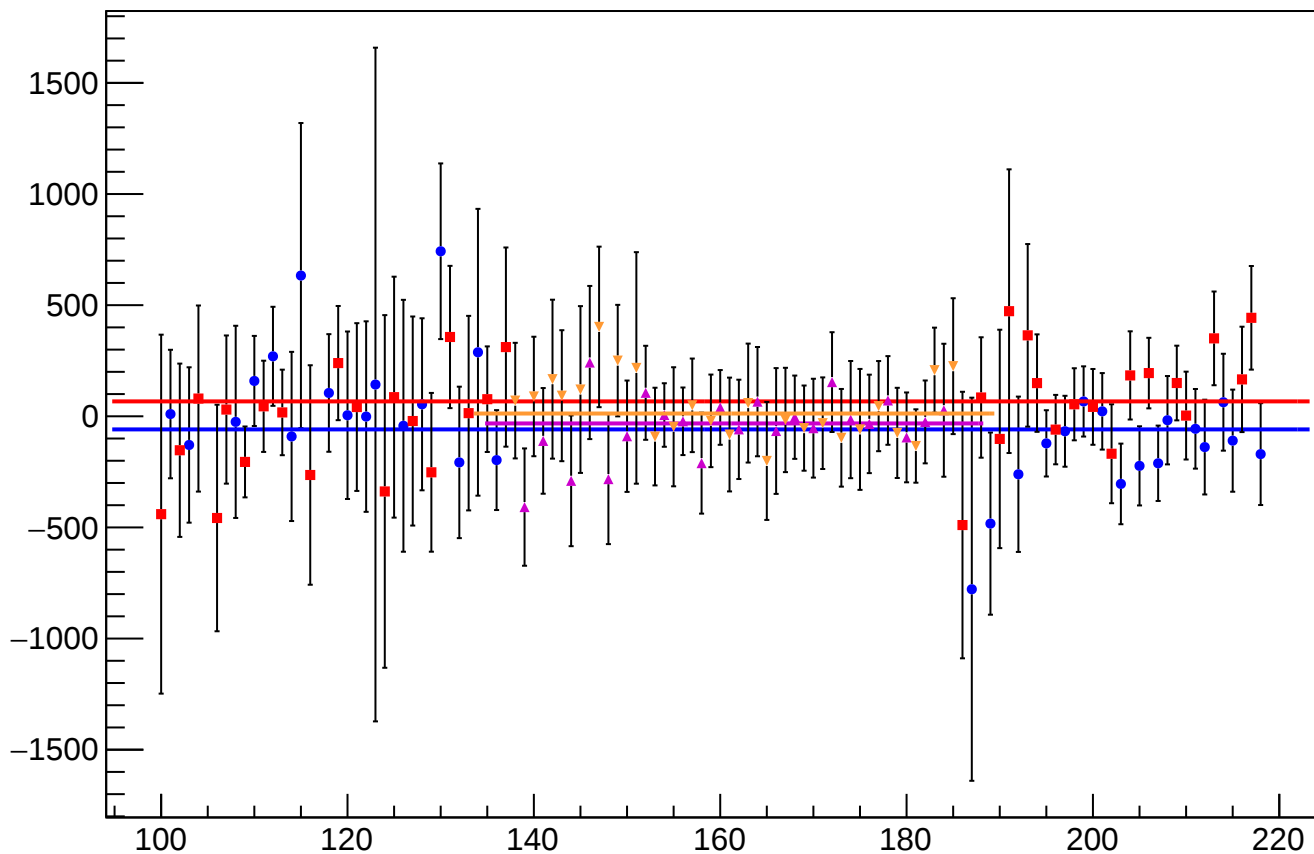
Left In: 17.132 $\pm$ 0.003 χ^2/NDF : 103997.3/22

+ sign 16.961 $\pm$ 0.002 χ^2/NDF : 247299.1/57

All: 16.979 $\pm$ 0.001 χ^2/NDF : 500044.8/116

- sign 16.998 $\pm$ 0.002 χ^2/NDF : 252571.8/58

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -58.991 ± 42.217 $\chi^2/\text{NDF}: 17.4/32$

Left Out: 12.474 ± 48.086 $\chi^2/\text{NDF}: 6.8/24$

Right Out: 67.055 ± 42.022 $\chi^2/\text{NDF}: 17.7/35$

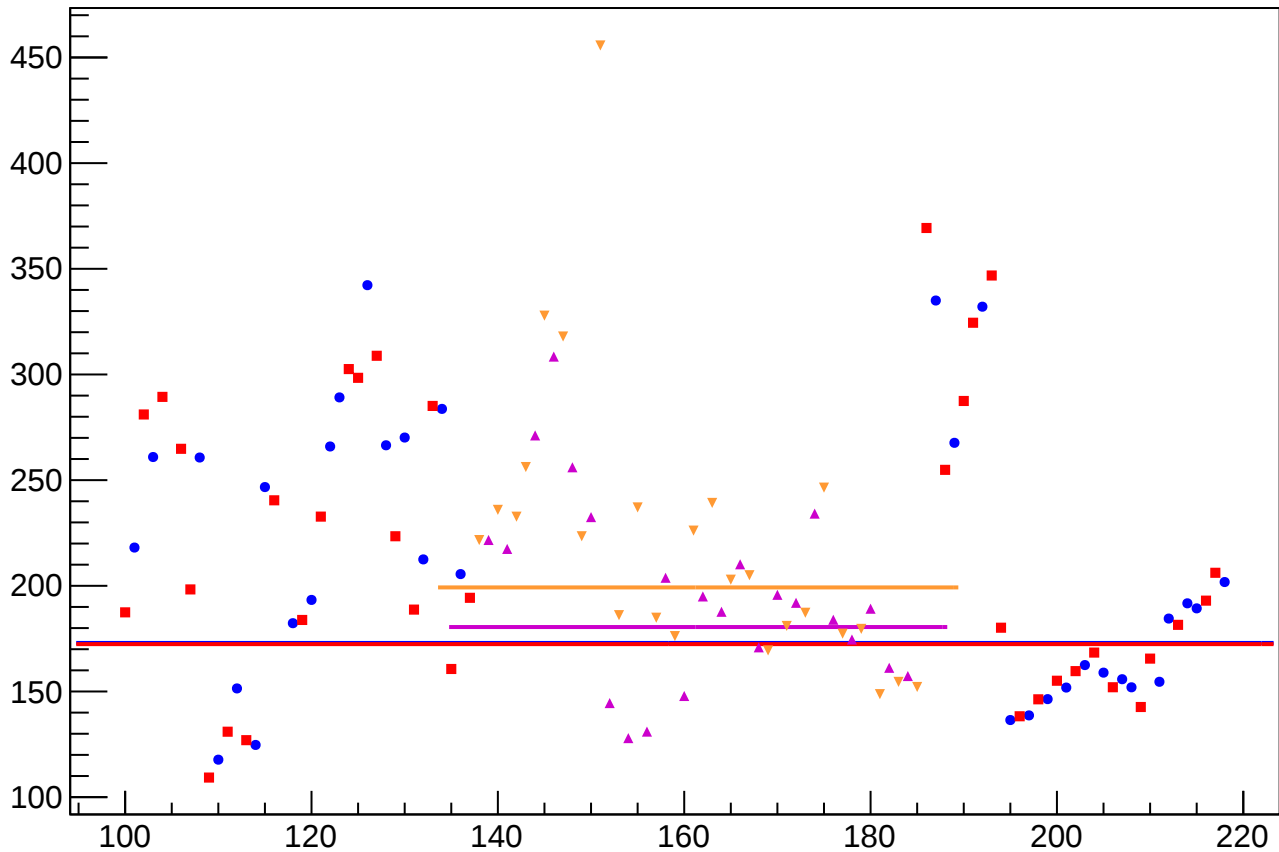
Left In: -32.159 ± 45.131 $\chi^2/\text{NDF}: 6.9/22$

+ sign -27.884 ± 31.725 $\chi^2/\text{NDF}: 25.5/57$

All: -2.692 ± 22.082 $\chi^2/\text{NDF}: 53.9/116$

- sign 20.983 ± 30.755 $\chi^2/\text{NDF}: 27.2/58$

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: 172.405 $\pm$ 0.030 χ^2 /NDF: 2830426.0/35

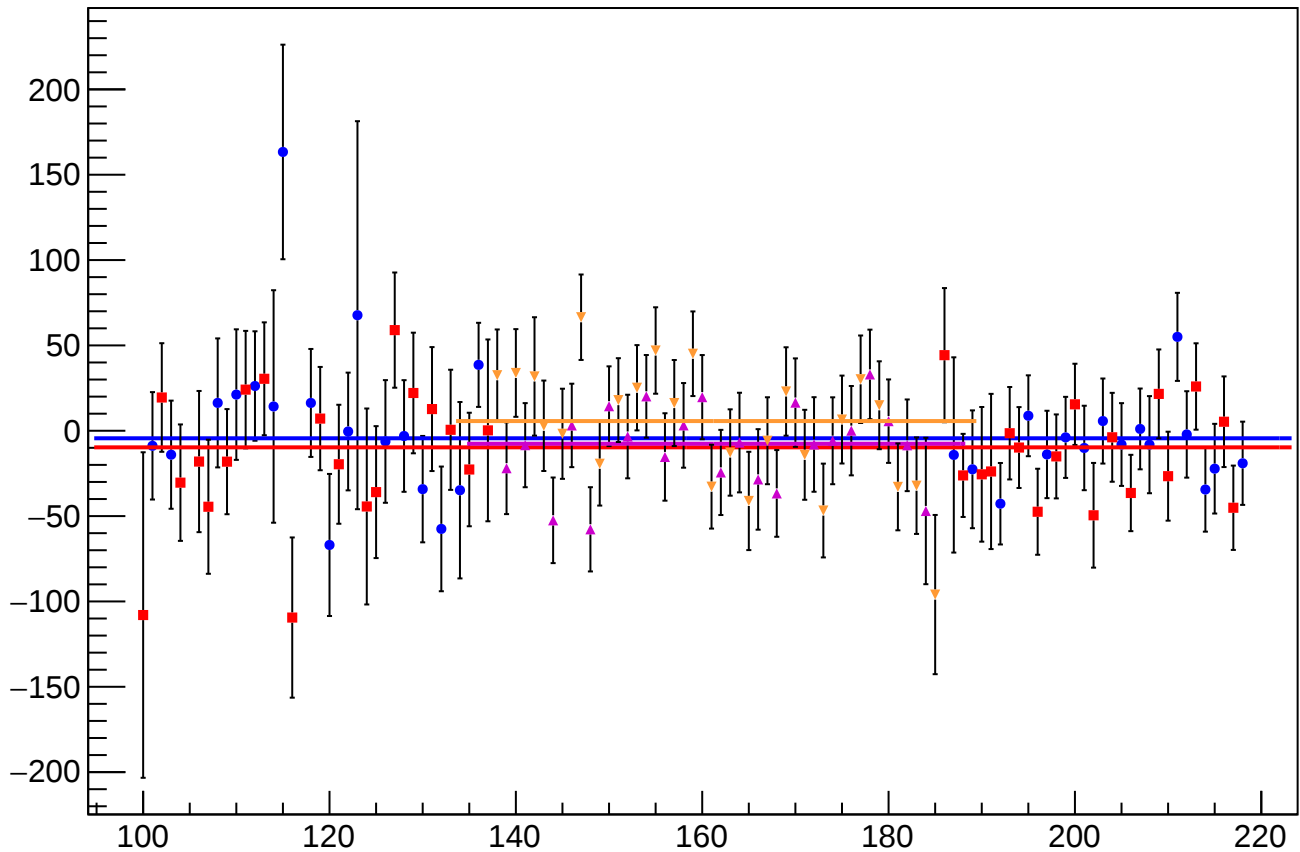
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 184.403 $\pm$ 0.022 χ^2 /NDF: 4276237.4/57

All: 180.154 $\pm$ 0.016 χ^2 /NDF: 8804458.2/116

- sign 176.161 $\pm$ 0.022 χ^2 /NDF: 4458624.9/58

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.409 ± 5.226 $\chi^2/\text{NDF}: 29.8/32$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -9.723 ± 5.160 $\chi^2/\text{NDF}: 32.4/35$

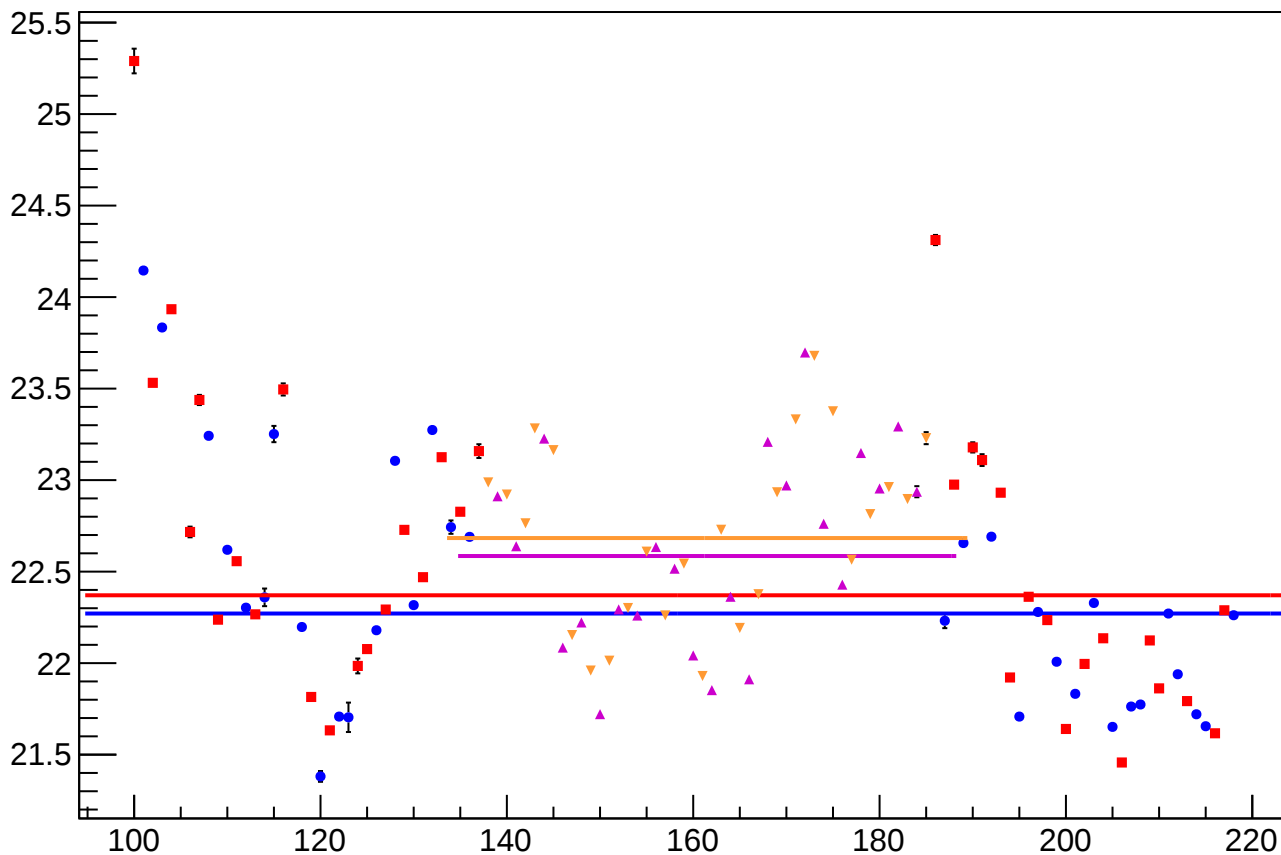
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 0.582 ± 3.713 $\chi^2/\text{NDF}: 68.0/57$

All: -4.040 ± 2.632 $\chi^2/\text{NDF}: 121.9/116$

- sign -8.707 ± 3.731 $\chi^2/\text{NDF}: 50.8/58$

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: 22.371 $\pm$ 0.004 χ^2 /NDF: 33785.1/35

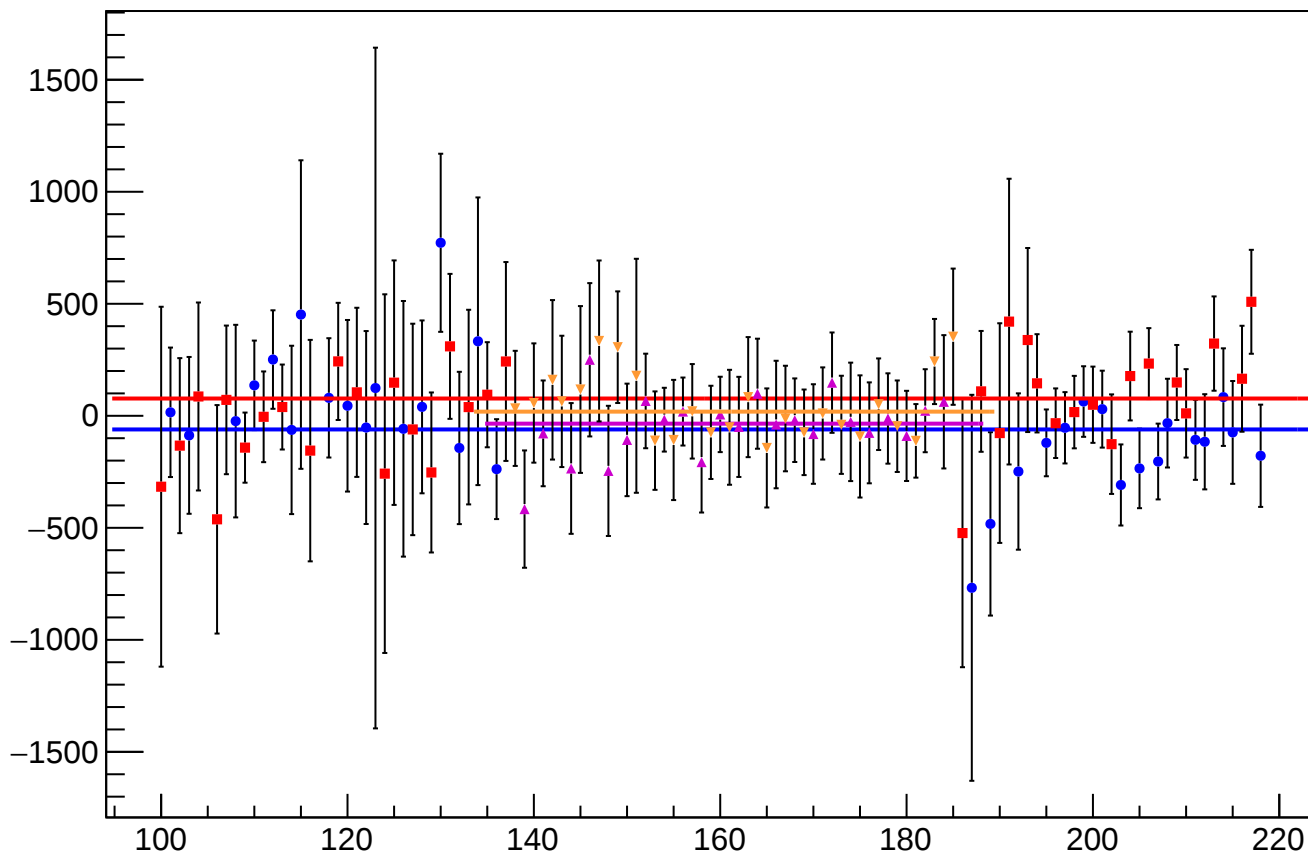
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF:18087.5/22

+ sign 22.475 $\pm$ 0.003 χ^2 /NDF: 49666.3/57

All: 22.474 $\pm$ 0.002 χ^2 /NDF: 103188.9/116

- sign 22.473 $\pm$ 0.003 χ^2 /NDF: 53522.3/58

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -60.879 ± 42.099 $\chi^2/\text{NDF}: 17.0/32$

Left Out: 18.633 ± 48.006 $\chi^2/\text{NDF}: 7.6/24$

Right Out: 77.161 ± 41.848 $\chi^2/\text{NDF}: 16.1/35$

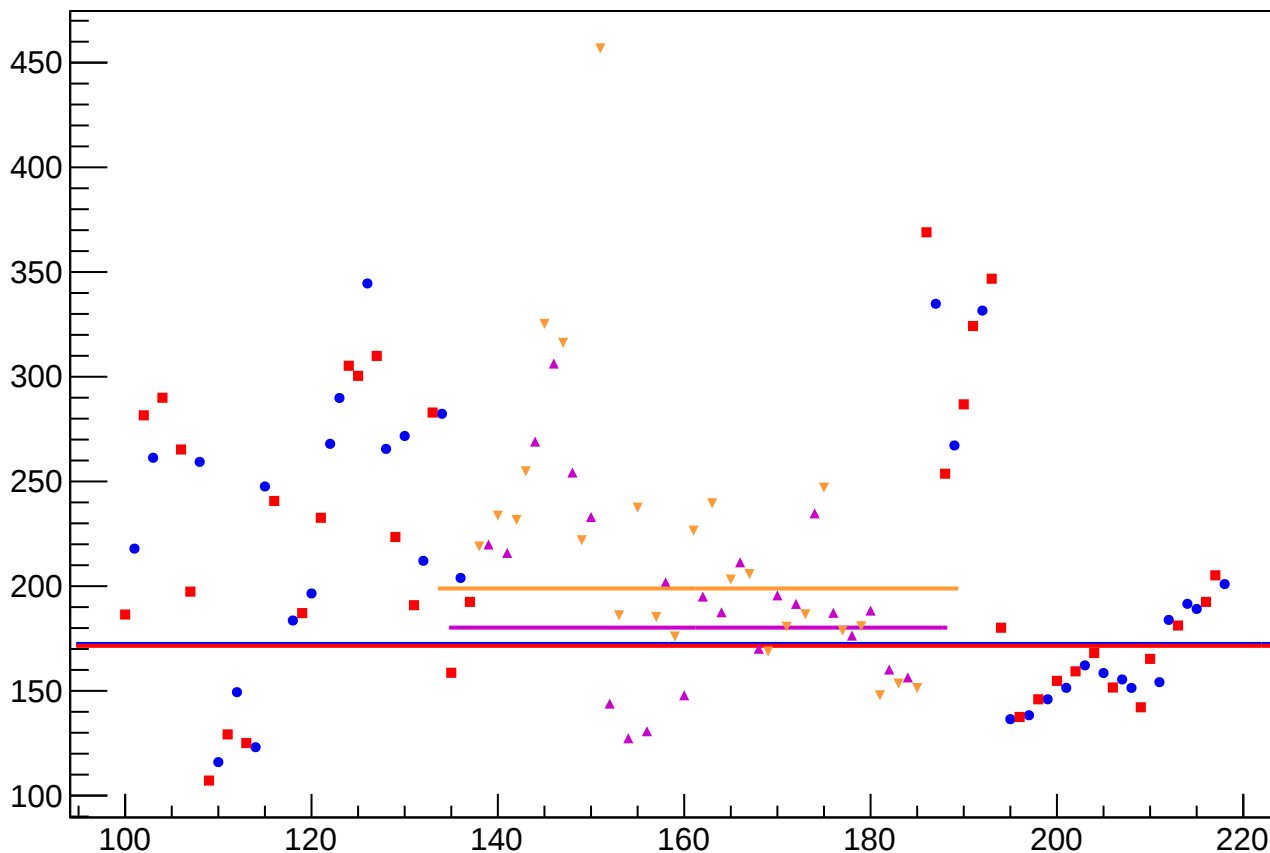
Left In: -35.046 ± 45.063 $\chi^2/\text{NDF}: 6.3/22$

+ sign -26.313 ± 31.652 $\chi^2/\text{NDF}: 26.2/57$

All: 0.260 ± 22.024 $\chi^2/\text{NDF}: 53.3/116$

- sign 25.202 ± 30.665 $\chi^2/\text{NDF}: 25.8/58$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.415 ± 0.030 χ^2/NDF : 2205451.6/32

Left Out: 198.891 ± 0.034 χ^2/NDF : 1762454.6/24

Right Out: 171.512 ± 0.030 χ^2/NDF : 2898534.4/35

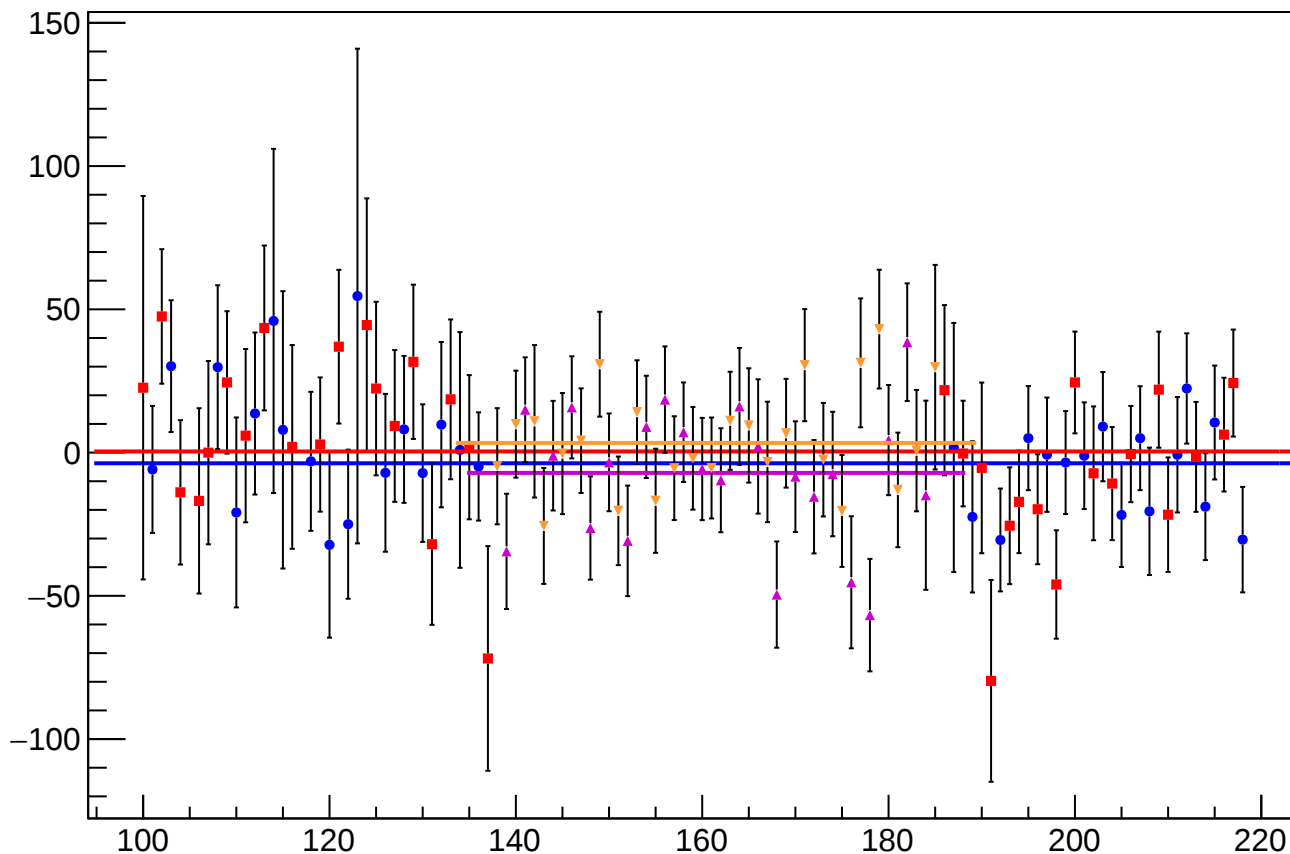
Left In: 180.207 ± 0.032 χ^2/NDF : 1589005.4/22

+ sign 183.924 ± 0.022 χ^2/NDF : 4311779.8/57

All: 179.599 ± 0.016 χ^2/NDF : 8911714.0/116

- sign 175.539 ± 0.022 χ^2/NDF : 4527518.2/58

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.733 $\pm$ 4.003 χ^2/NDF : 17.7/32

Left Out: 3.372 $\pm$ 3.947 χ^2/NDF :18.8/24

Right Out: 0.390 $\pm$ 3.956 χ^2/NDF : 39.8/35

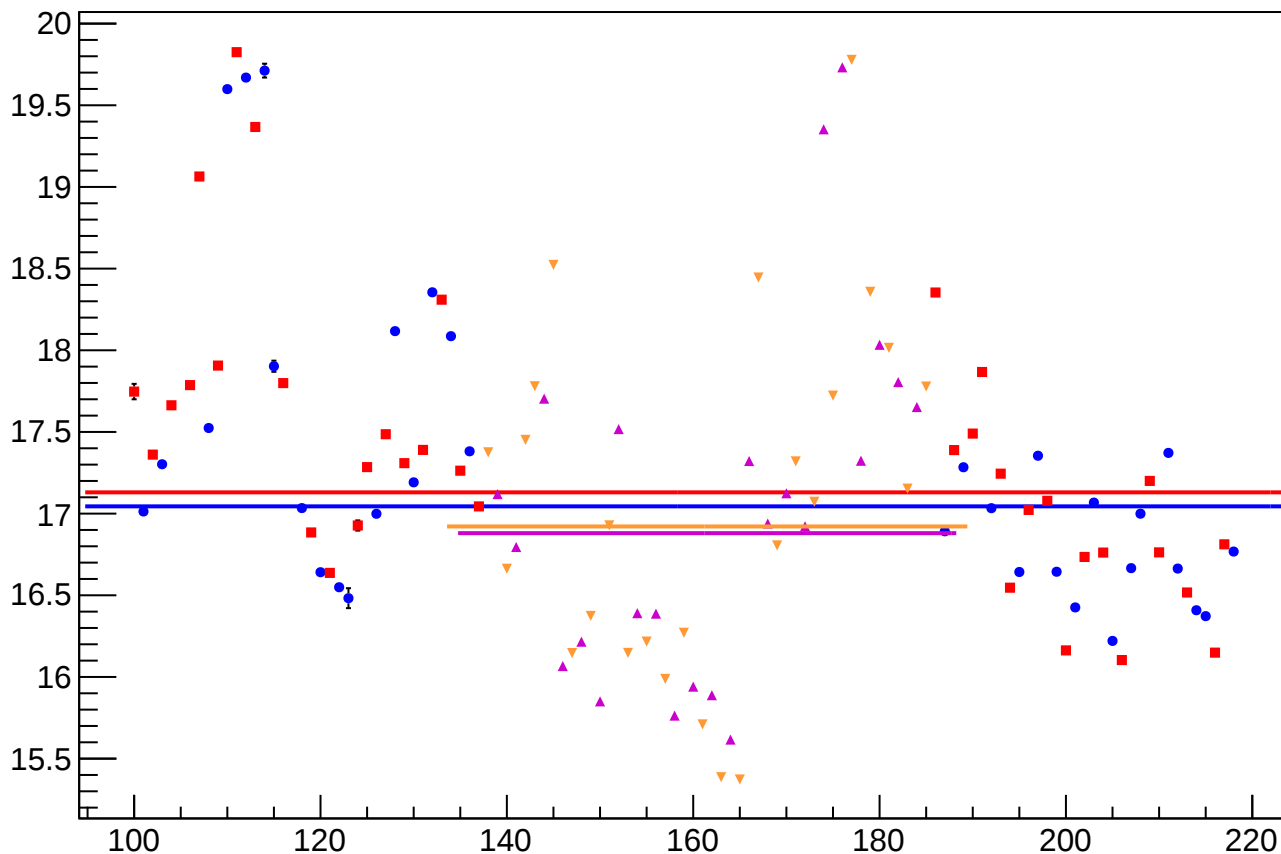
Left In: -7.099 $\pm$ 4.047 χ^2/NDF :32.5/22

+ sign -0.130 $\pm$ 2.811 χ^2/NDF : 38.1/57

All: -1.689 $\pm$ 1.994 χ^2/NDF : 112.8/116

- sign -3.269 $\pm$ 2.829 χ^2/NDF : 74.0/58

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.044 $\pm$ 0.003 χ^2 /NDF: 61459.0/32

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.130 $\pm$ 0.003 χ^2 /NDF: 75386.3/35

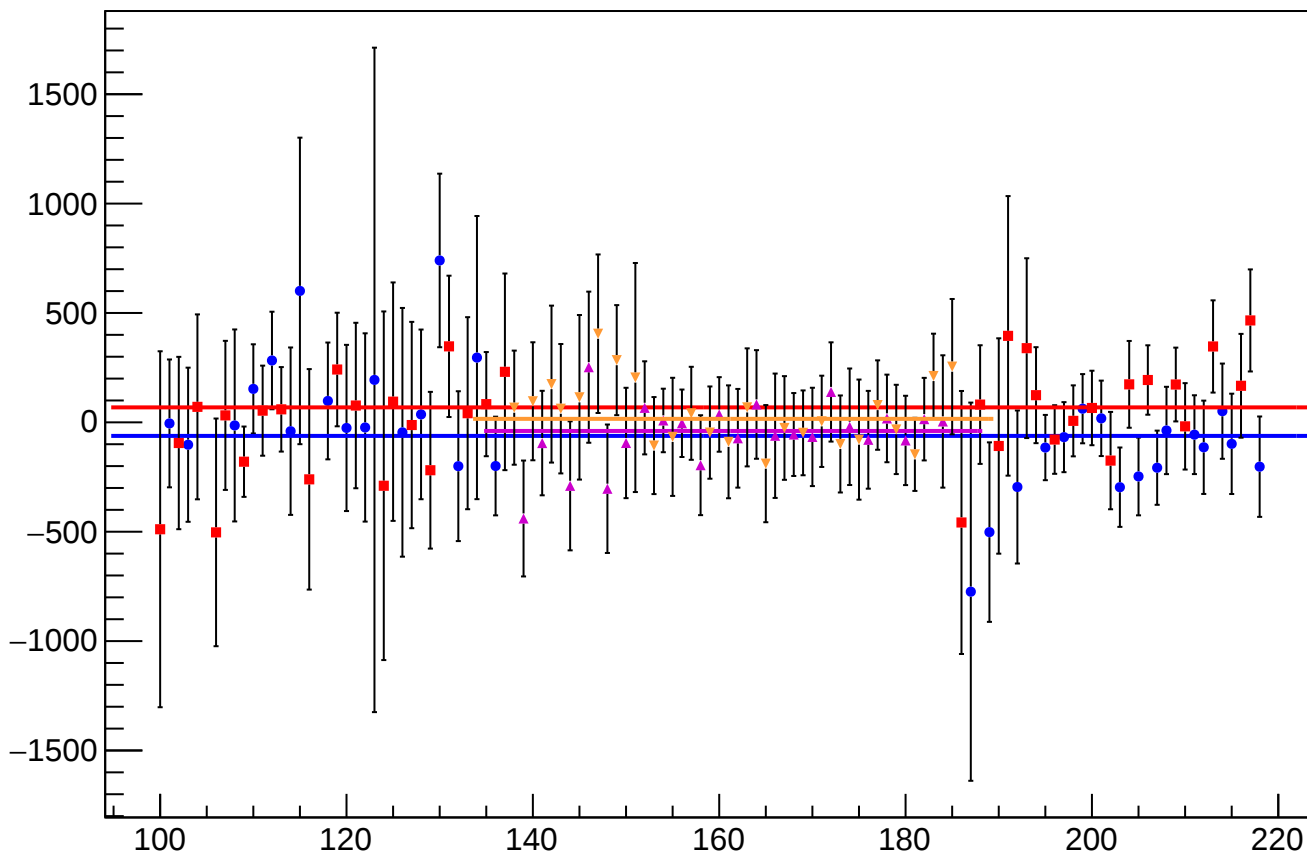
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 16.982 $\pm$ 0.002 χ^2 /NDF: 201407.0/57

All: 16.995 $\pm$ 0.001 χ^2 /NDF: 402510.6/116

- sign 17.008 $\pm$ 0.002 χ^2 /NDF: 201018.1/58

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -61.981 ± 42.325 χ^2/NDF : 17.3/32

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 68.392 ± 42.150 χ^2/NDF : 17.1/35

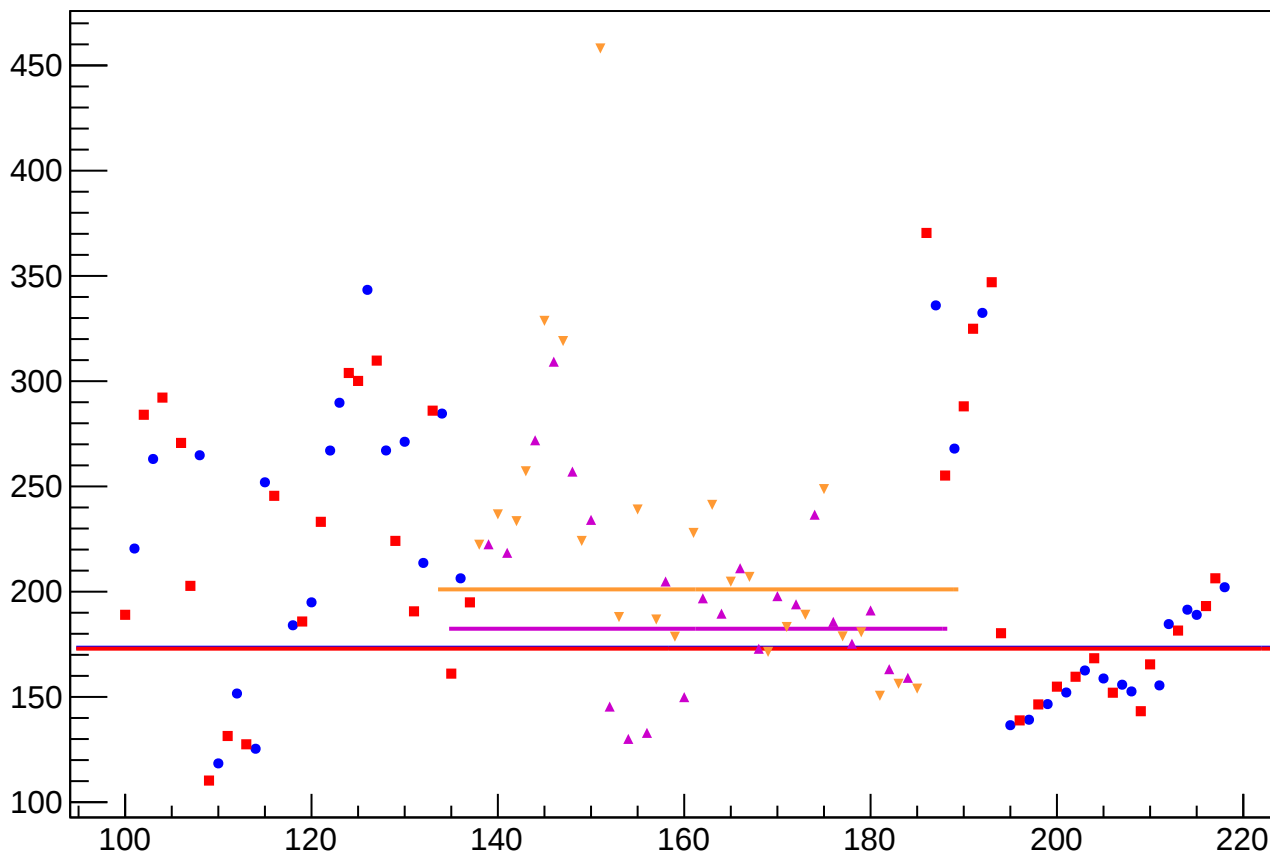
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -28.284 ± 31.890 χ^2/NDF : 26.2/57

All: -4.082 ± 22.207 χ^2/NDF : 54.2/116

- sign 18.704 ± 30.943 χ^2/NDF : 26.9/58

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.390 $\pm$ 0.030 χ^2 /NDF: 2187003.7/32

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 172.934 $\pm$ 0.030 χ^2 /NDF: 2839145.8/35

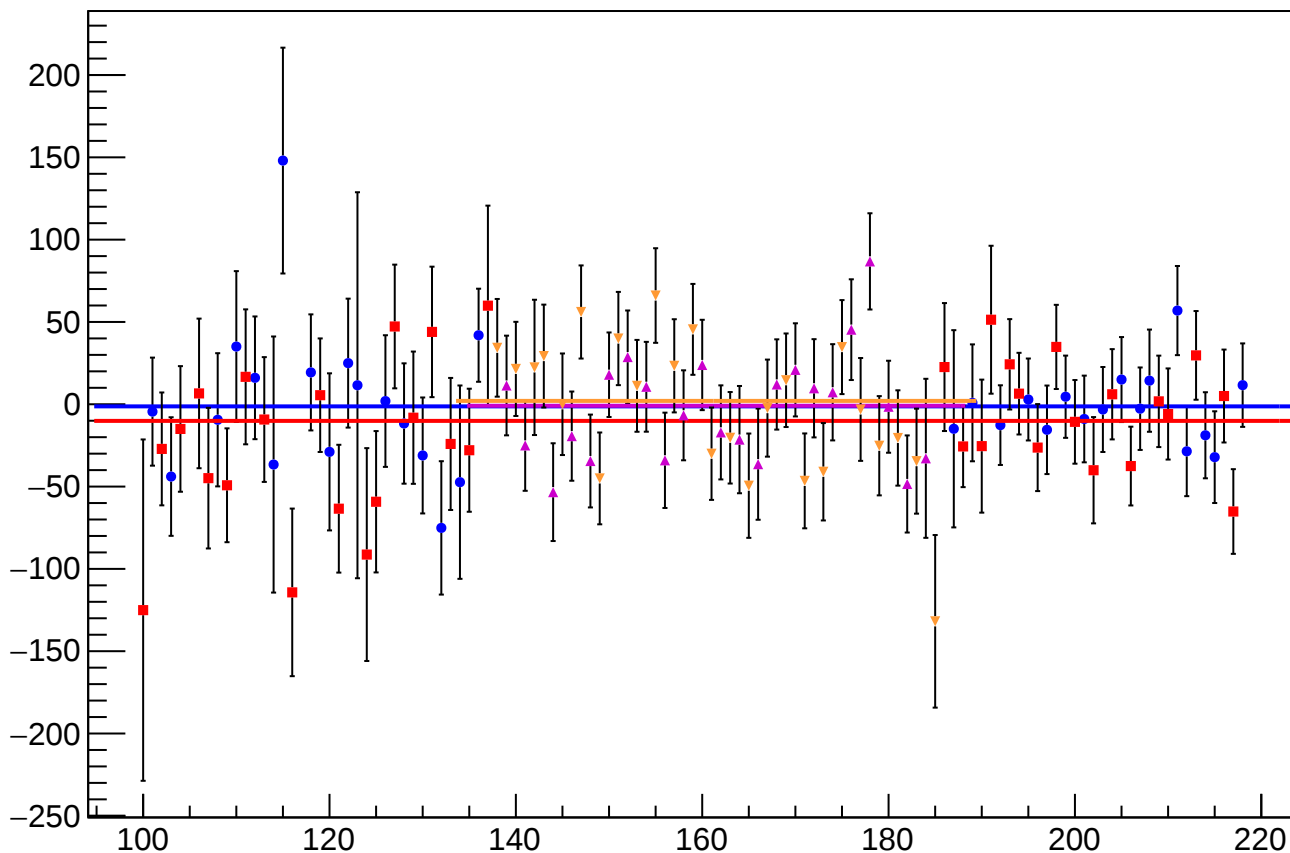
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 185.365 $\pm$ 0.023 χ^2 /NDF: 4288426.2/57

All: 181.209 $\pm$ 0.016 χ^2 /NDF: 8788894.8/116

- sign 177.296 $\pm$ 0.022 χ^2 /NDF: 4434527.2/58

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: -10.095 ± 5.531 $\chi^2/\text{NDF}: 37.4/35$

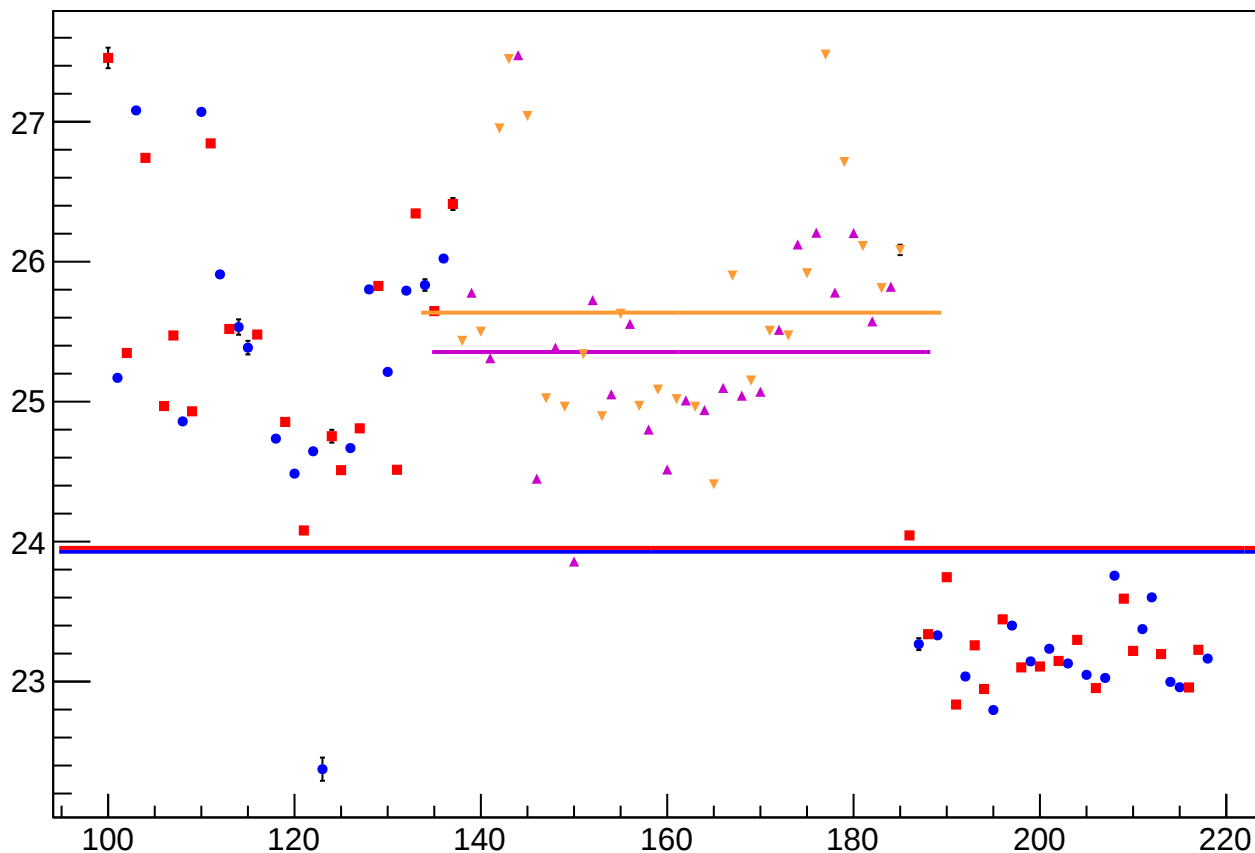
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 0.287 ± 4.092 $\chi^2/\text{NDF}: 64.0/57$

All: -2.821 ± 2.892 $\chi^2/\text{NDF}: 130.9/116$

- sign -5.923 ± 4.088 $\chi^2/\text{NDF}: 65.7/58$

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: 23.955 $\pm$ 0.004 χ^2 /NDF: 84456.6/35

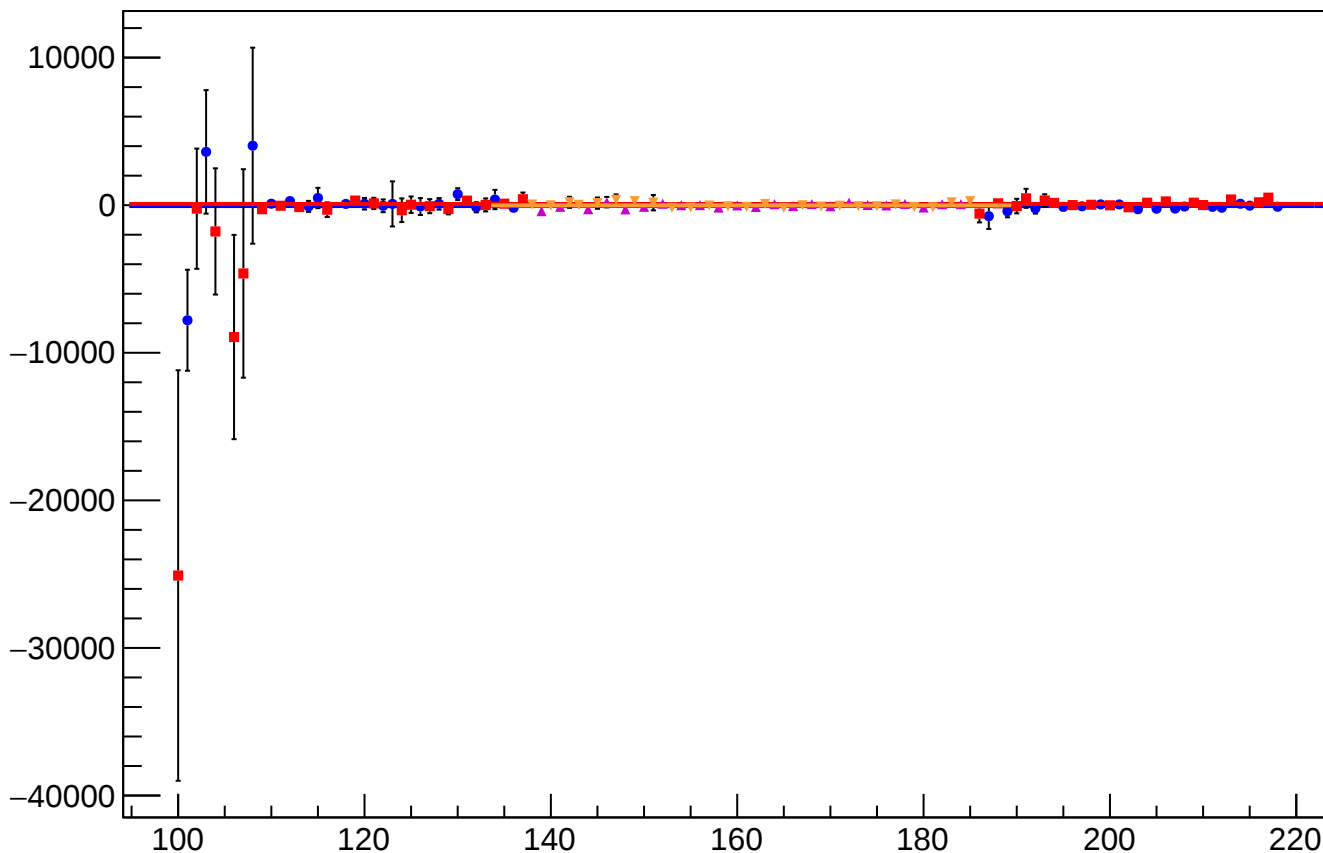
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 24.730 $\pm$ 0.003 χ^2 /NDF: 212845.9/57

All: 24.660 $\pm$ 0.002 χ^2 /NDF: 386349.2/116

- sign 24.590 $\pm$ 0.003 χ^2 /NDF: 172326.2/58

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: 82.756 ± 44.553 χ^2/NDF : 24.4/35

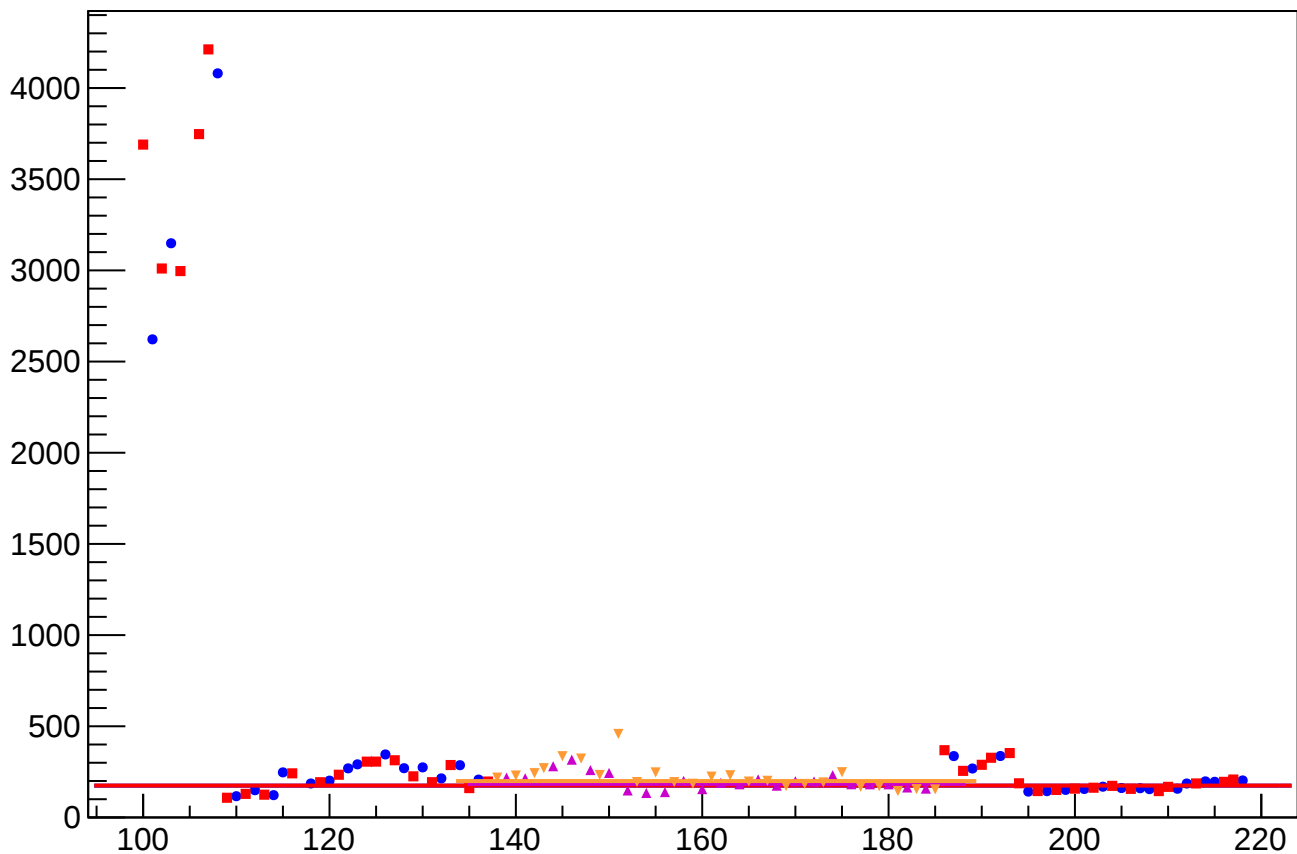
Left In: -26.836 ± 45.876 χ^2/NDF : 7.5/22

+ sign -37.983 ± 32.550 χ^2/NDF : 30.4/57

All: -3.594 ± 22.805 χ^2/NDF : 67.4/116

- sign 29.562 ± 31.961 χ^2/NDF : 34.8/58

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: 174.775+/-0.032 χ^2/NDF : 5461108.8/35

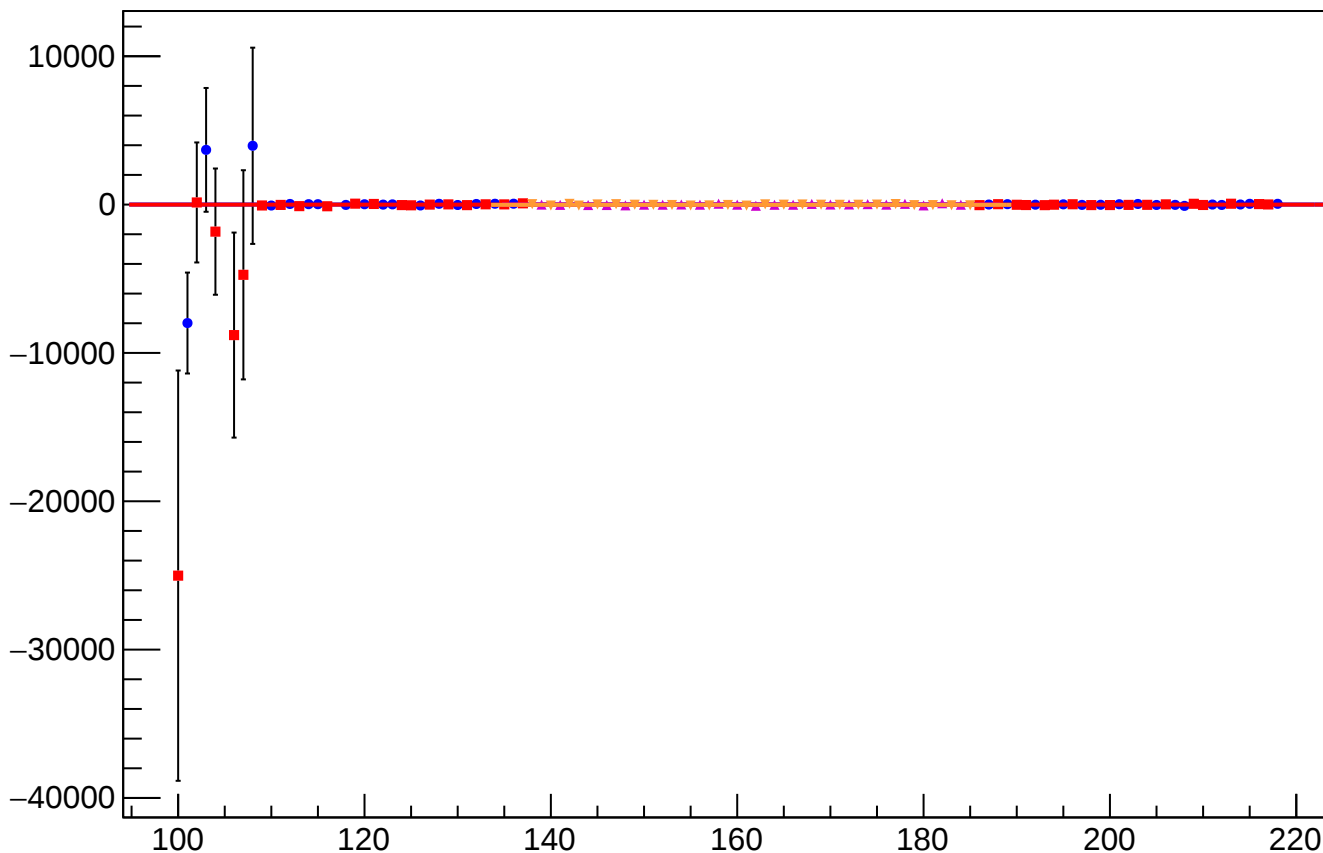
Left In: 184.031+/-0.032 χ^2/NDF : 1423454.3/22

+ sign 185.843+/-0.023 χ^2/NDF : 6774702.5/57

All: 182.495+/-0.016 χ^2/NDF : 13742715.3/11

- sign 179.268+/-0.023 χ^2/NDF : 6926468.5/58

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: -3.177 $\pm$ 6.706 χ^2 /NDF: 39.9/35

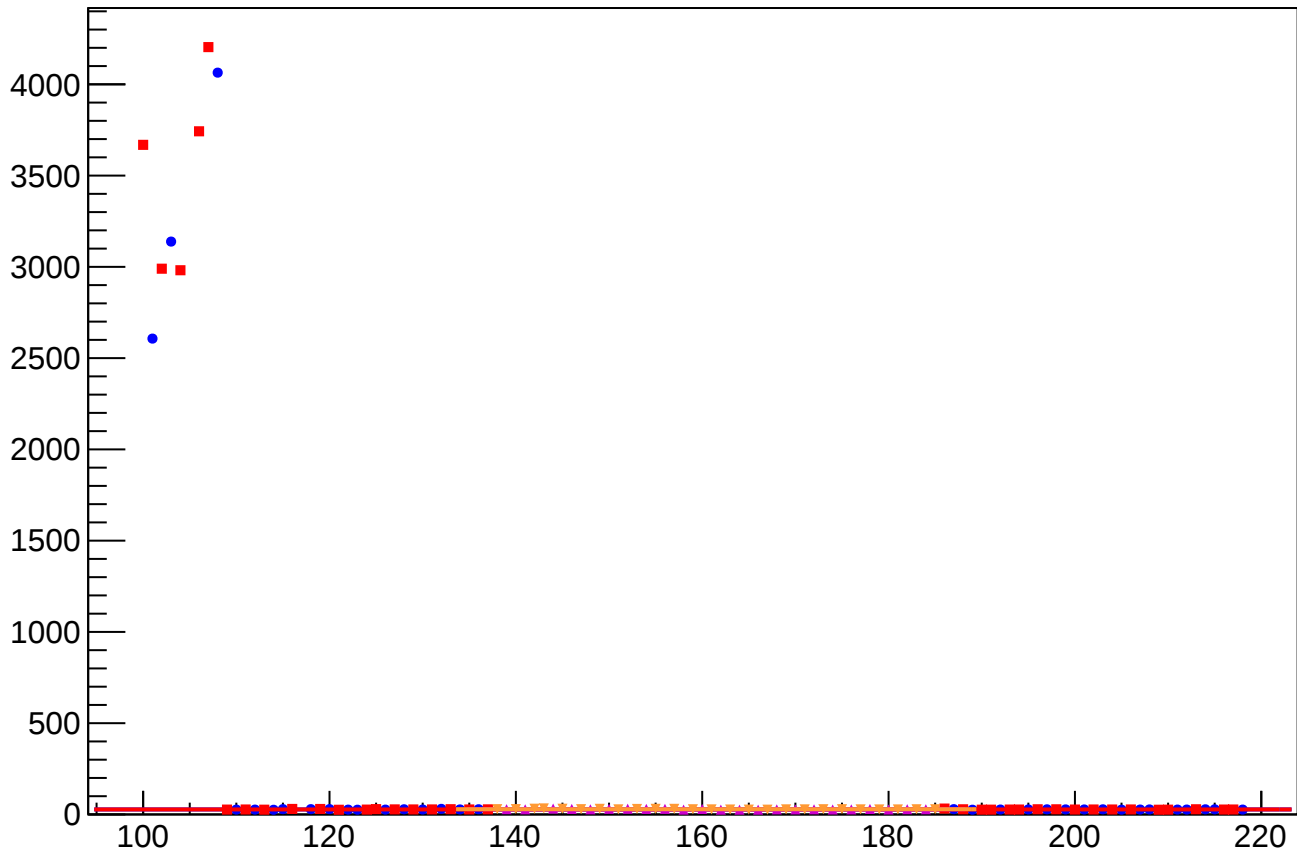
Left In: -1.038 $\pm$ 6.880 χ^2 /NDF:32.4/22

+ sign -6.732 $\pm$ 4.747 χ^2 /NDF: 63.9/57

All: -4.460 $\pm$ 3.376 χ^2 /NDF: 136.8/116

- sign -2.135 $\pm$ 4.802 χ^2 /NDF: 72.4/58

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: 27.428 $\pm$ 0.005 χ^2 /NDF: 3514749.7/35

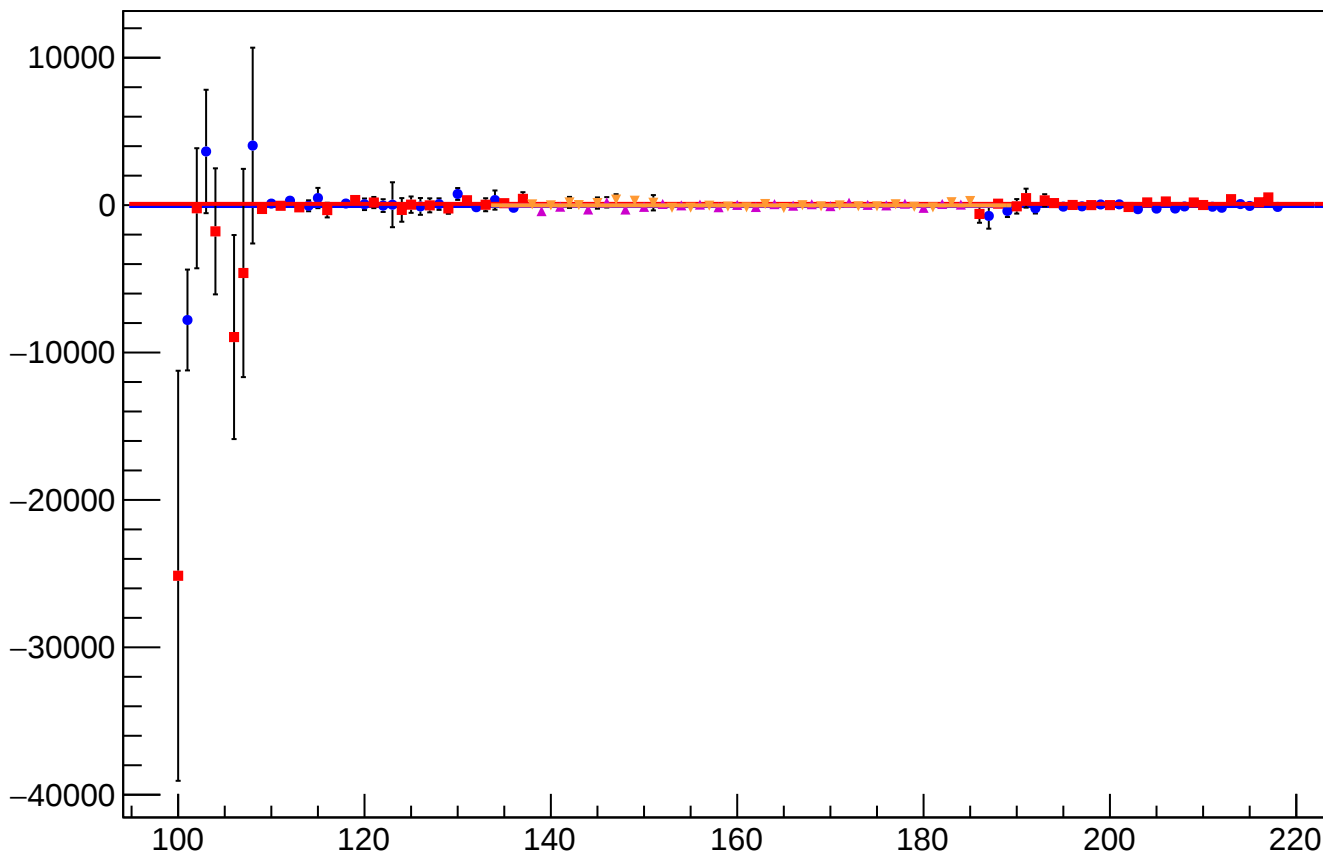
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.080 $\pm$ 0.003 χ^2 /NDF: 3189825.5/57

All: 28.057 $\pm$ 0.002 χ^2 /NDF: 6863013.7/116

- sign 28.034 $\pm$ 0.003 χ^2 /NDF: 3673095.9/58

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: 85.435 ± 44.424 χ^2/NDF : 25.5/35

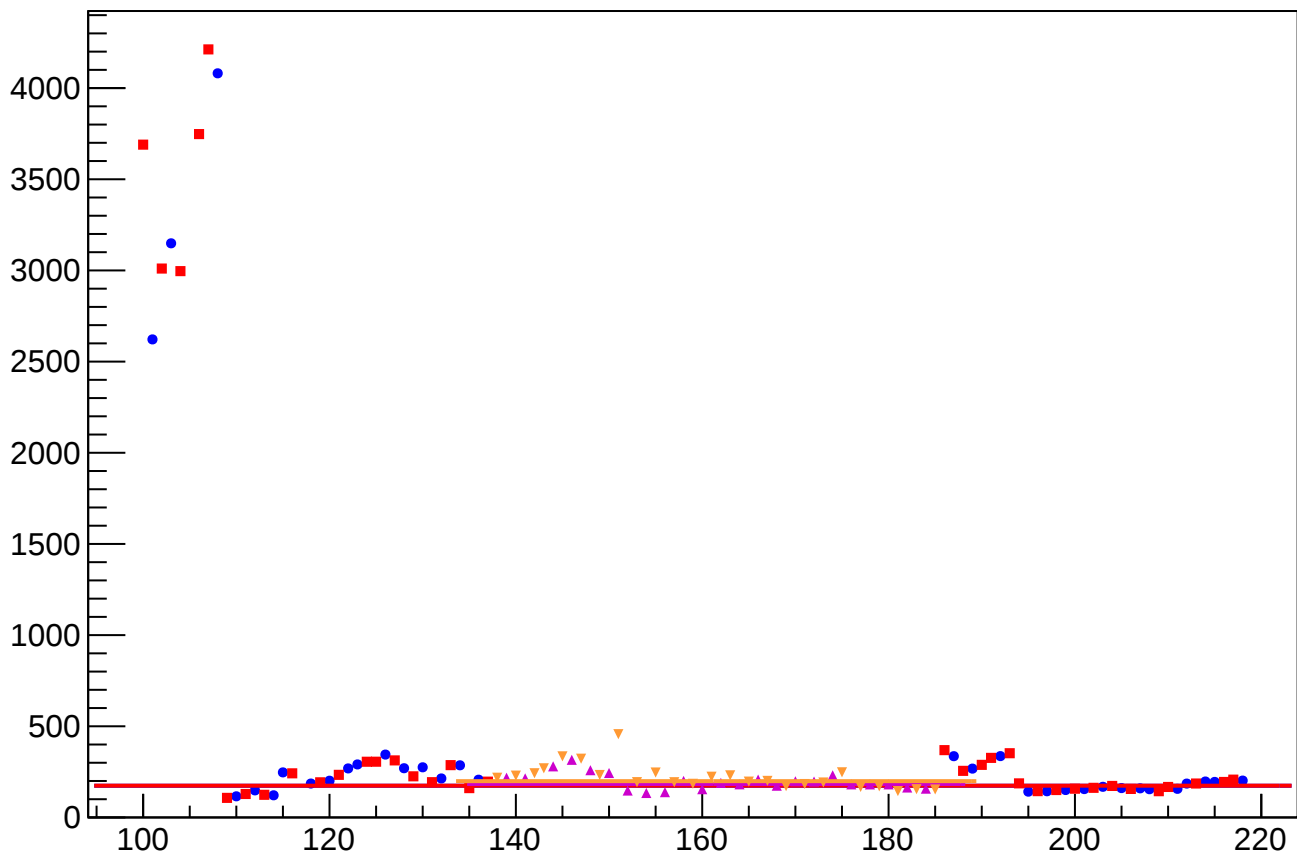
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -39.655 ± 32.463 χ^2/NDF : 31.3/57

All: -3.736 ± 22.747 χ^2/NDF : 70.1/116

- sign 30.909 ± 31.883 χ^2/NDF : 36.4/58

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: 174.218 $\pm$ 0.031 χ^2 /NDF: 5479006.4/35

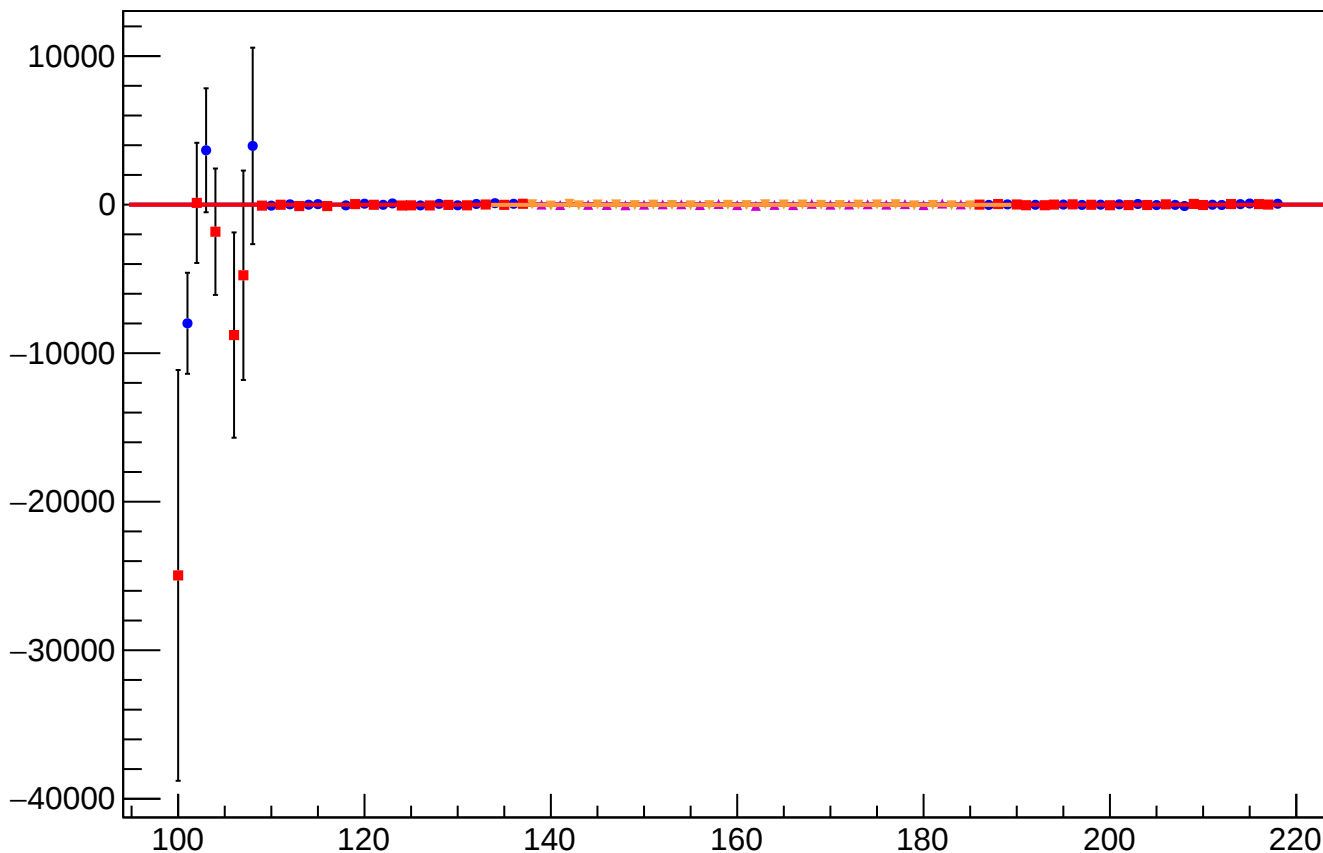
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 185.320 $\pm$ 0.023 χ^2 /NDF: 6792620.9/57

All: 182.001 $\pm$ 0.016 χ^2 /NDF: 13779473.3/13

- sign 178.800 $\pm$ 0.023 χ^2 /NDF: 6945782.6/58

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: -6.464 $\pm$ 6.671 χ^2 /NDF: 34.9/35

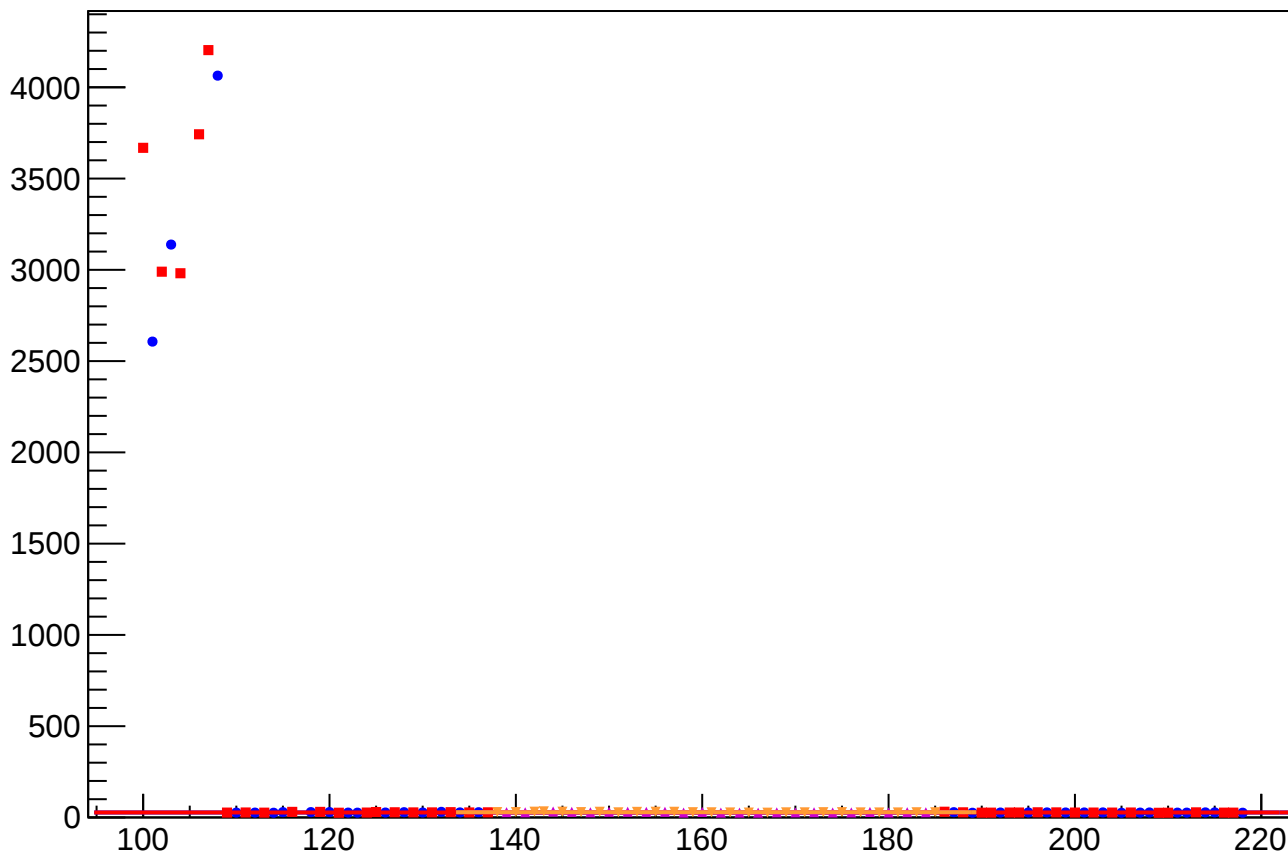
Left In: 0.702 $\pm$ 6.909 χ^2 /NDF:26.4/22

+ sign -4.913 $\pm$ 4.741 χ^2 /NDF: 67.1/57

All: -3.971 $\pm$ 3.373 χ^2 /NDF: 128.9/116

- sign -3.006 $\pm$ 4.799 χ^2 /NDF: 61.8/58

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: 27.285 $\pm$ 0.005 χ^2 /NDF: 3521474.2/35

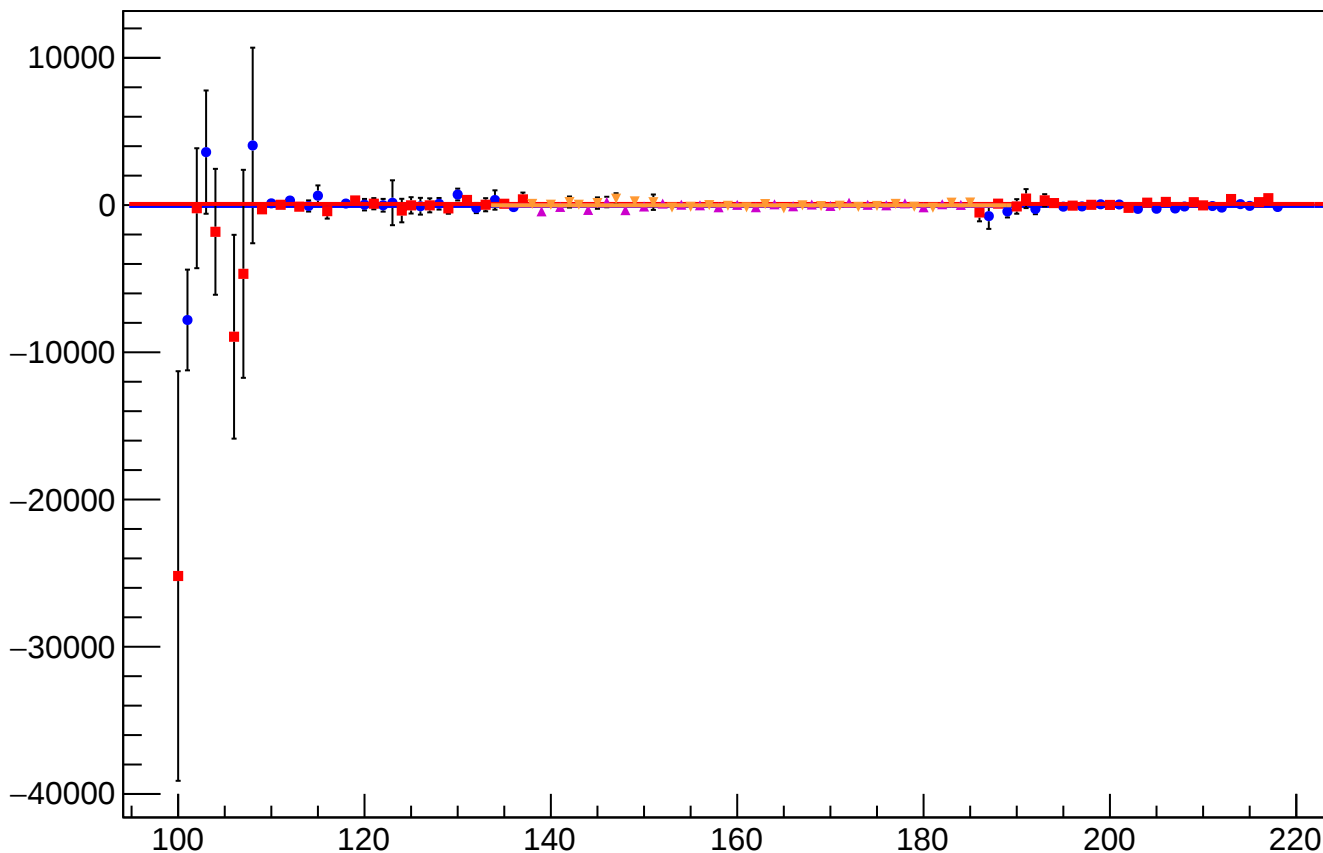
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.038 $\pm$ 0.003 χ^2 /NDF: 3231235.5/57

All: 28.025 $\pm$ 0.002 χ^2 /NDF: 6931429.8/116

- sign 28.012 $\pm$ 0.003 χ^2 /NDF: 3700163.8/58

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -59.322 $\pm$ 44.277 χ^2 /NDF: 22.3/32

Left Out: -15.548 $\pm$ 48.688 χ^2 /NDF: 8.0/24

Right Out: 76.806 $\pm$ 44.743 χ^2 /NDF: 24.3/35

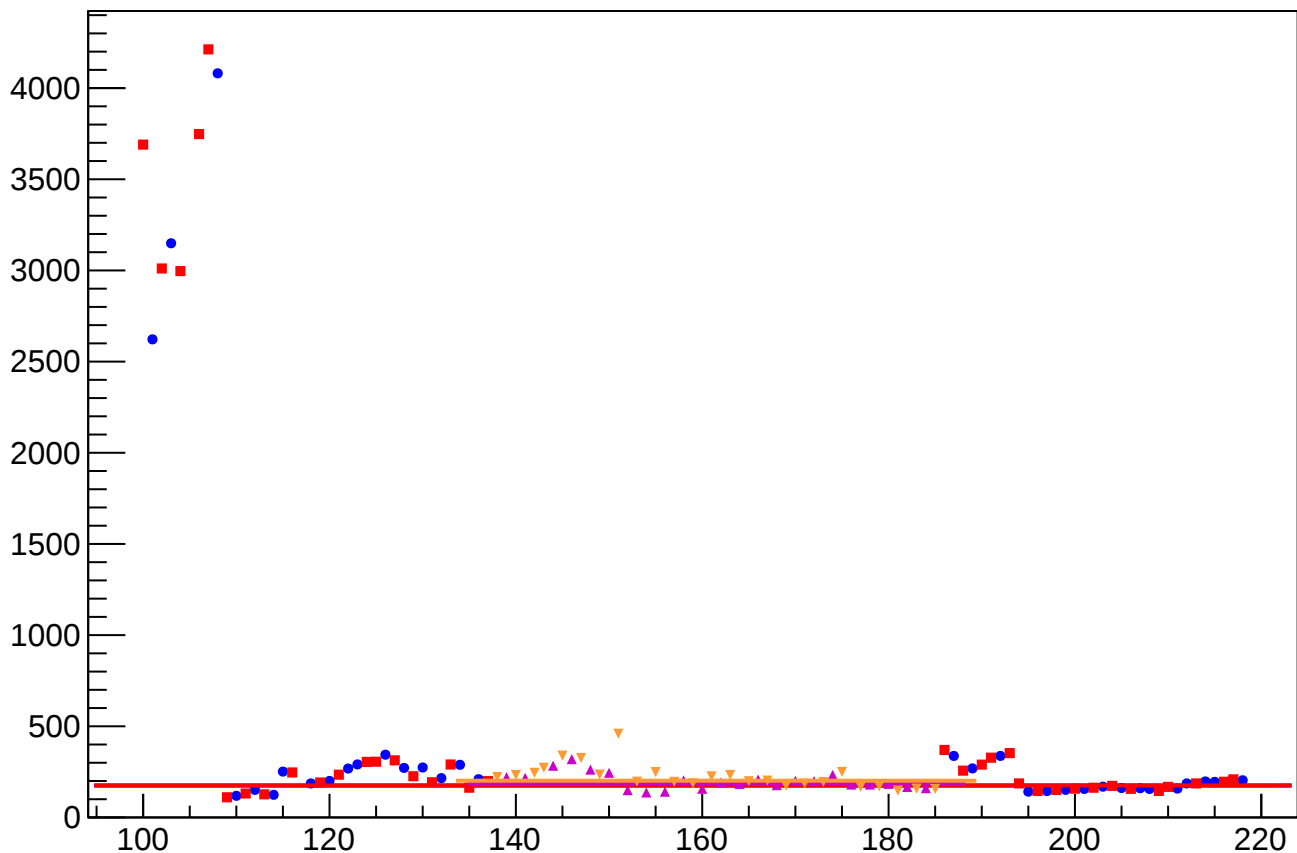
Left In: -31.170 $\pm$ 46.359 χ^2 /NDF: 8.2/22

+ sign -39.507 $\pm$ 32.757 χ^2 /NDF: 30.8/57

All: -6.830 $\pm$ 22.961 χ^2 /NDF: 68.0/116

- sign 24.733 $\pm$ 32.194 χ^2 /NDF: 35.2/58

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: 175.657 $\pm$ 0.032 χ^2 /NDF: 5418628.2/35

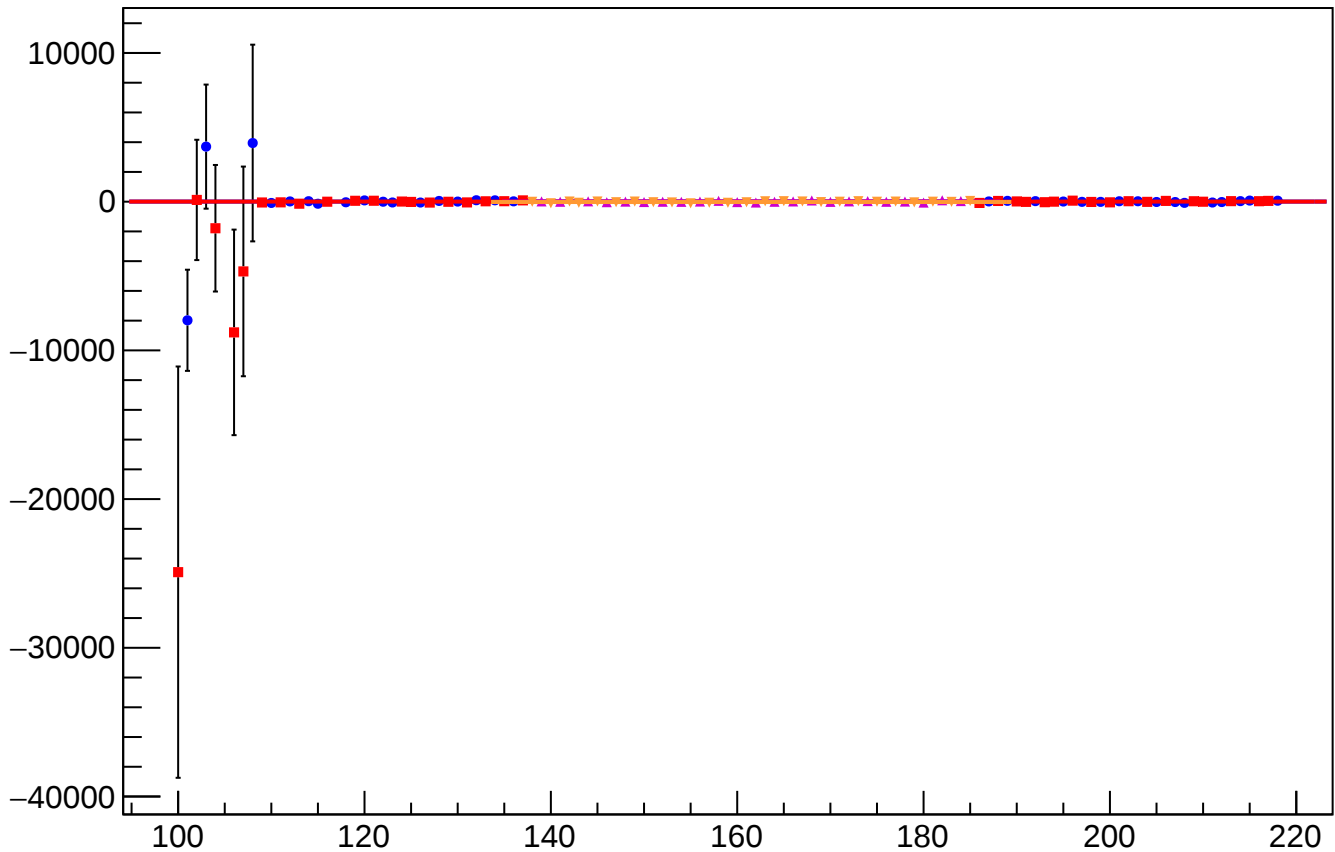
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF: 1391327.2/22

+ sign 187.067 $\pm$ 0.023 χ^2 /NDF: 6759082.2/57

All: 183.827 $\pm$ 0.016 χ^2 /NDF: 13660120.3/13

- sign 180.697 $\pm$ 0.023 χ^2 /NDF: 6862565.7/58

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: 6.374 ± 8.142 χ^2/NDF : 38.1/35

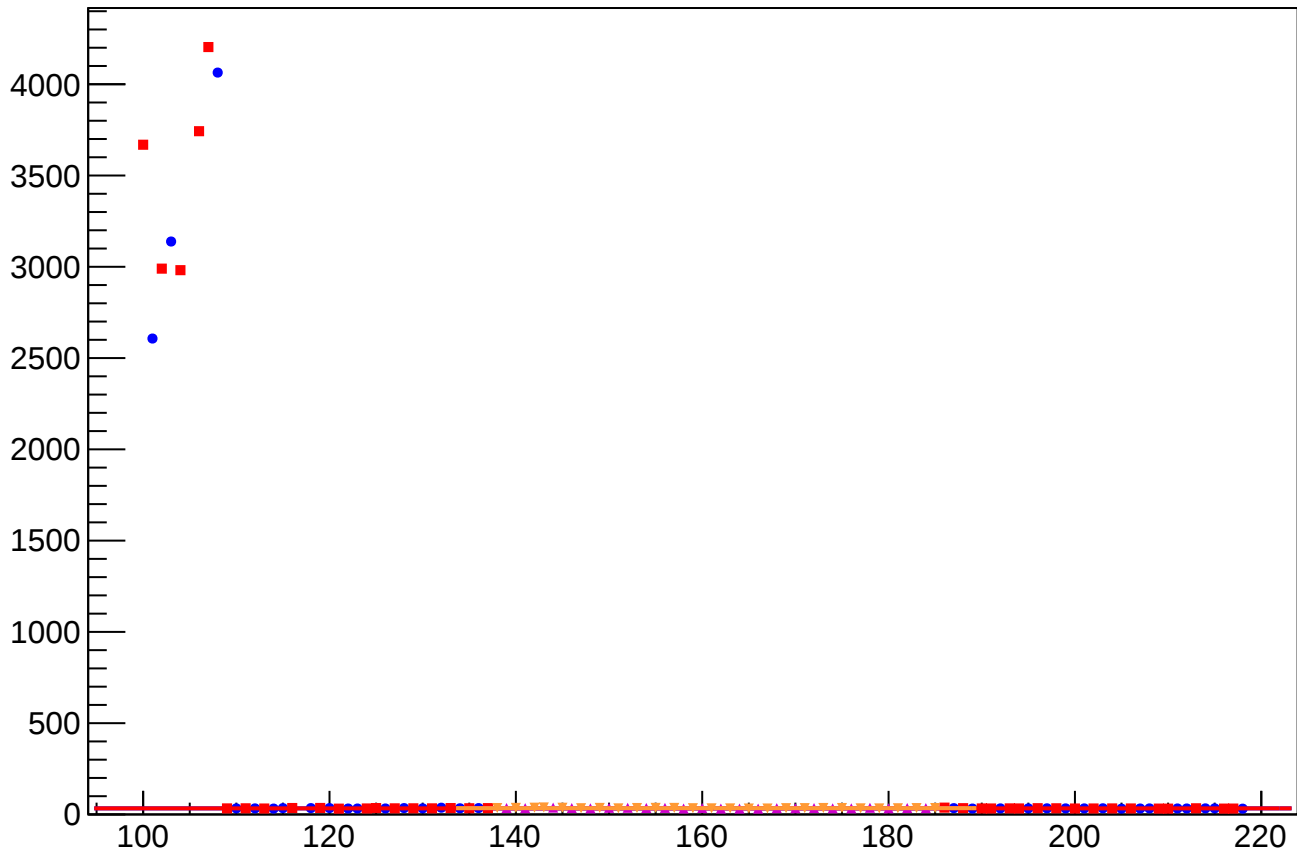
Left In: 6.001 ± 8.309 χ^2/NDF : 21.1/22

+ sign -8.261 ± 5.736 χ^2/NDF : 70.9/57

All: -1.134 ± 4.084 χ^2/NDF : 133.3/116

- sign 6.191 ± 5.815 χ^2/NDF : 59.3/58

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: 33.343 $\pm$ 0.006 χ^2 /NDF: 3478617.5/35

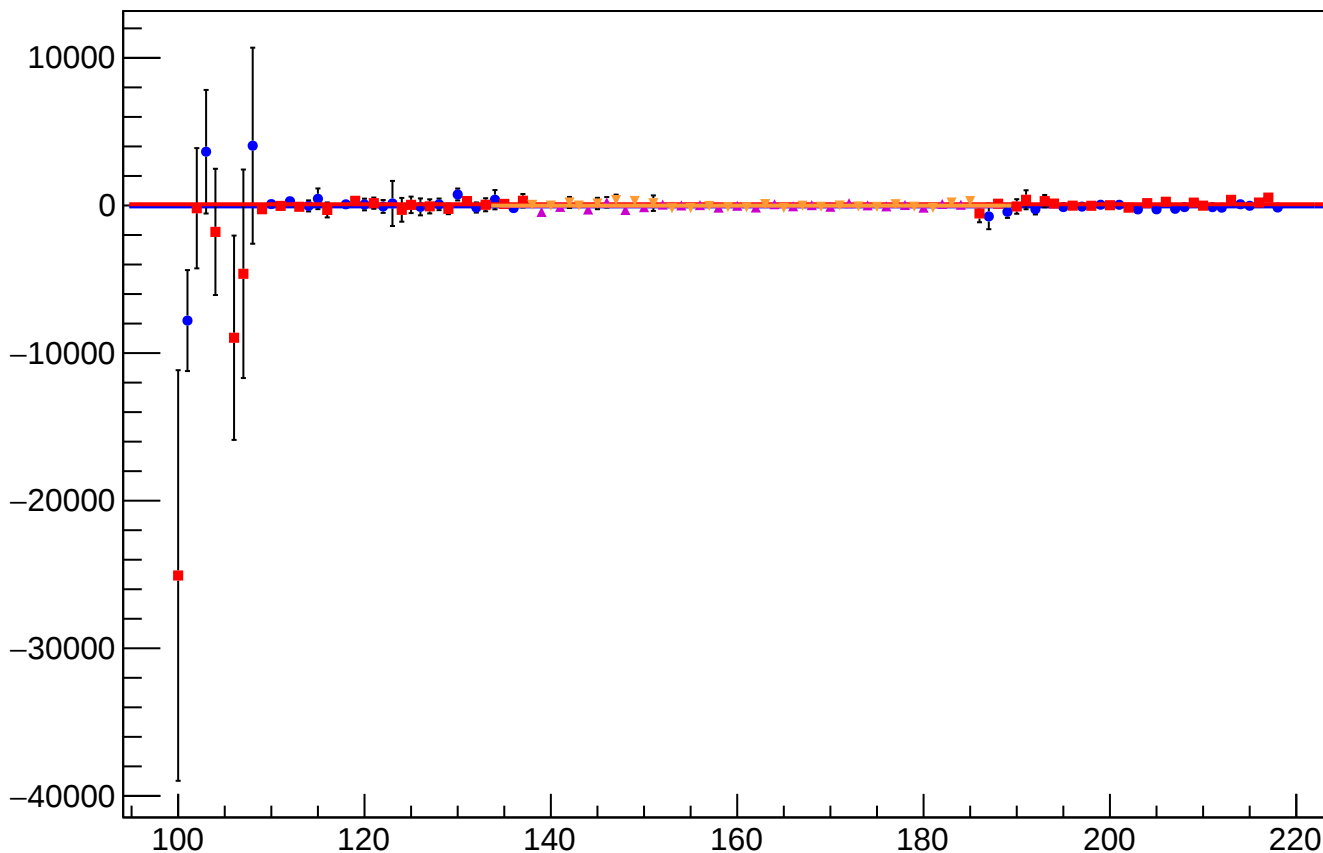
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 33.966 $\pm$ 0.004 χ^2 /NDF: 3108946.8/57

All: 33.983 $\pm$ 0.003 χ^2 /NDF: 6674519.5/116

- sign 34.001 $\pm$ 0.004 χ^2 /NDF: 3565536.8/58

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: 82.932 $\pm$ 44.580 χ^2 /NDF: 23.5/35

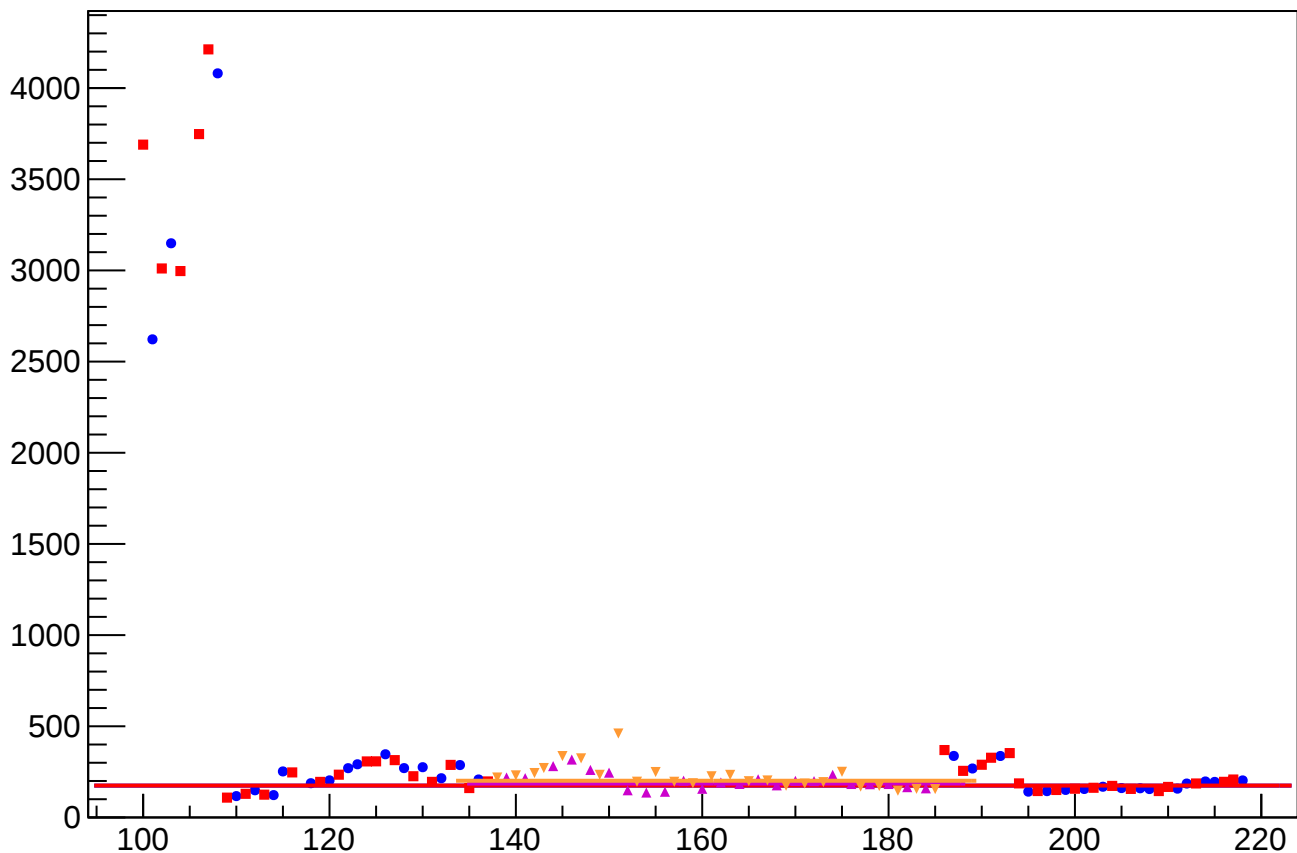
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign -38.207 $\pm$ 32.684 χ^2 /NDF: 31.4/57

All: -5.225 $\pm$ 22.906 χ^2 /NDF: 67.7/116

- sign 26.613 $\pm$ 32.112 χ^2 /NDF: 34.3/58

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.475+/-0.031 χ^2/NDF : 4606113.1/32

Left Out: 201.296+/-0.034 χ^2/NDF :1851134.1/24

Right Out: 174.873+/-0.032 χ^2/NDF : 5467139.6/35

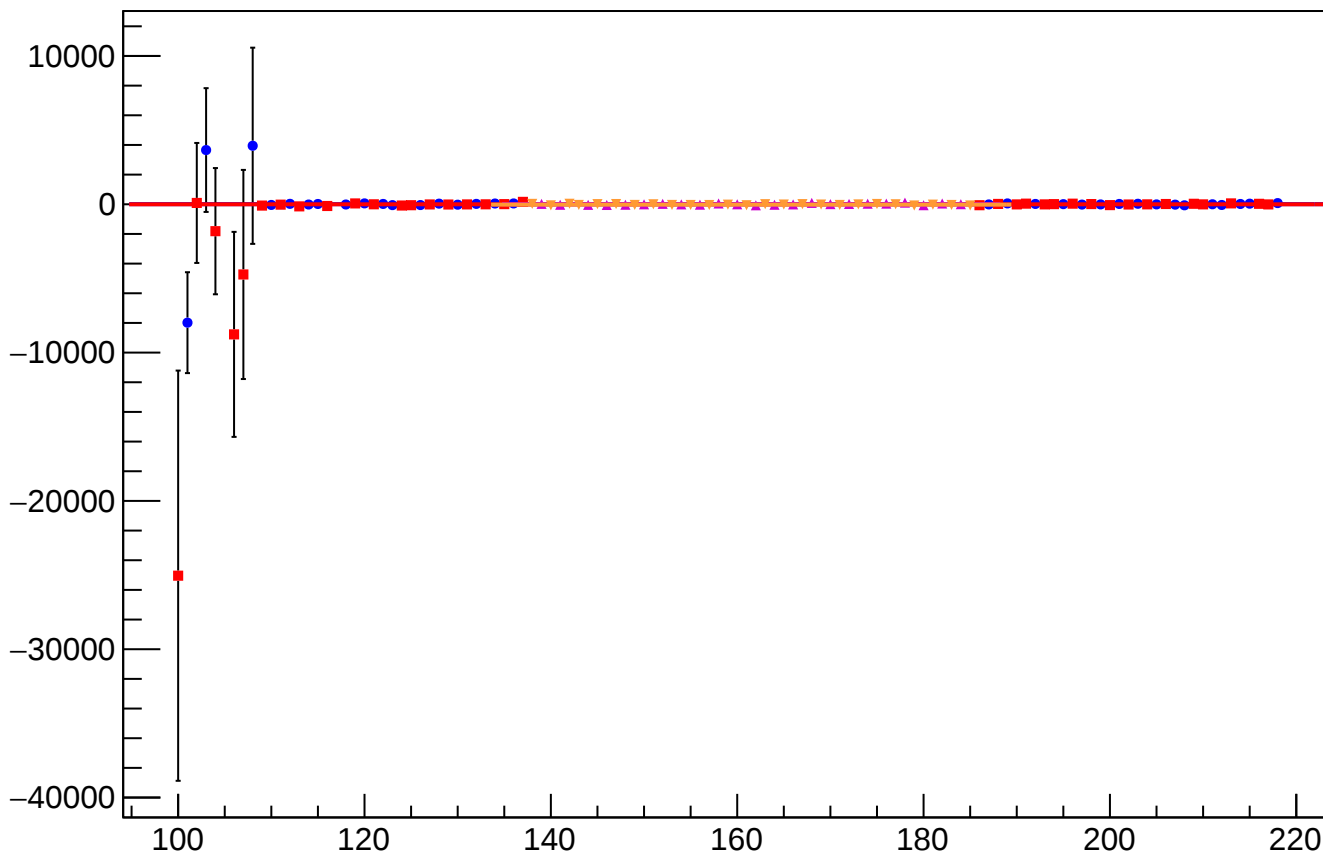
Left In: 185.854+/-0.033 χ^2/NDF :1381771.9/22

+ sign 186.598+/-0.023 χ^2/NDF : 6790841.7/57

All: 183.320+/-0.016 χ^2/NDF : 13737675.4/13

- sign 180.156+/-0.023 χ^2/NDF : 6907295.0/58

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: -0.923 $\pm$ 7.363 χ^2 /NDF: 42.8/35

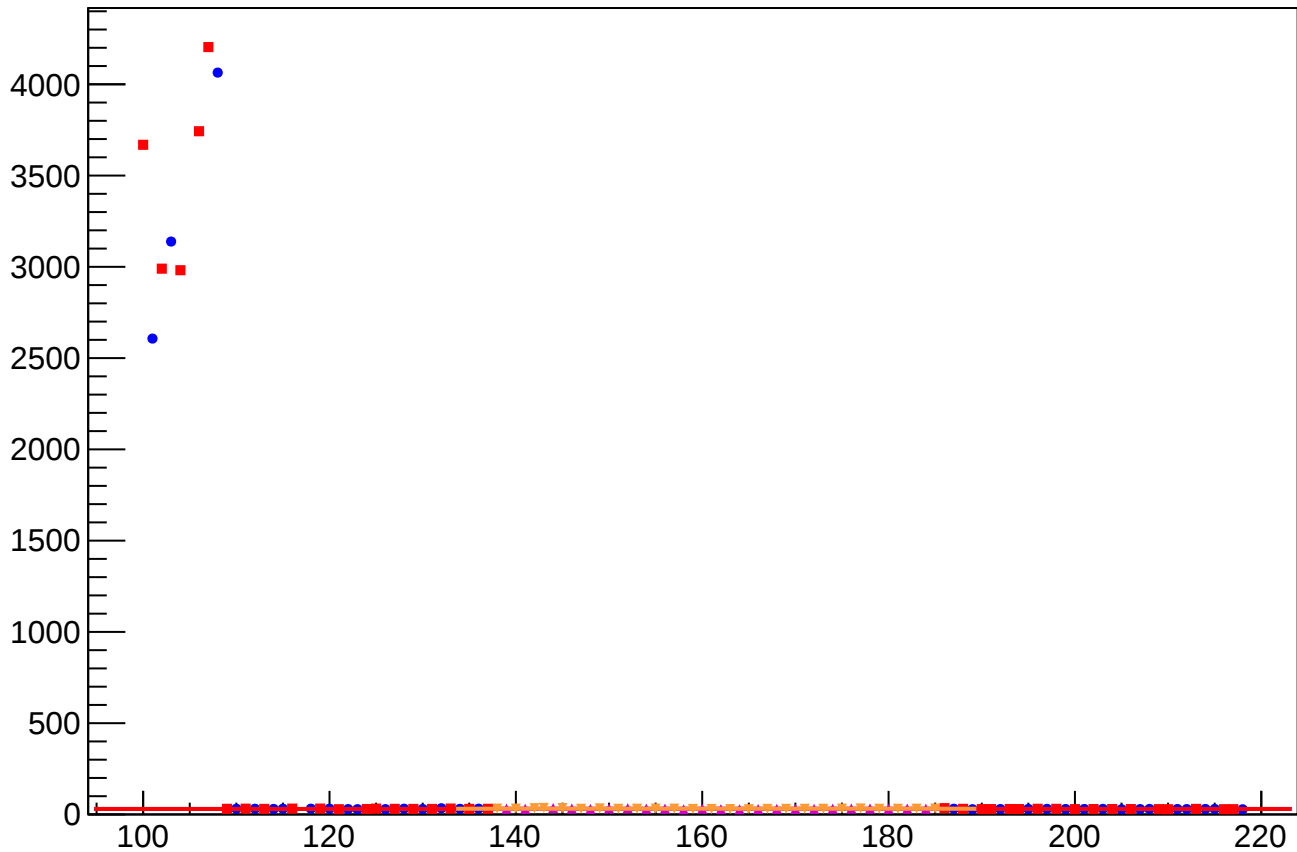
Left In: 5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

+ sign -7.075 $\pm$ 5.204 χ^2 /NDF: 60.1/57

All: -2.386 $\pm$ 3.703 χ^2 /NDF: 143.2/116

- sign 2.424 $\pm$ 5.271 χ^2 /NDF: 81.5/58

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: 30.129 $\pm$ 0.005 χ^2 /NDF: 3498825.1/35

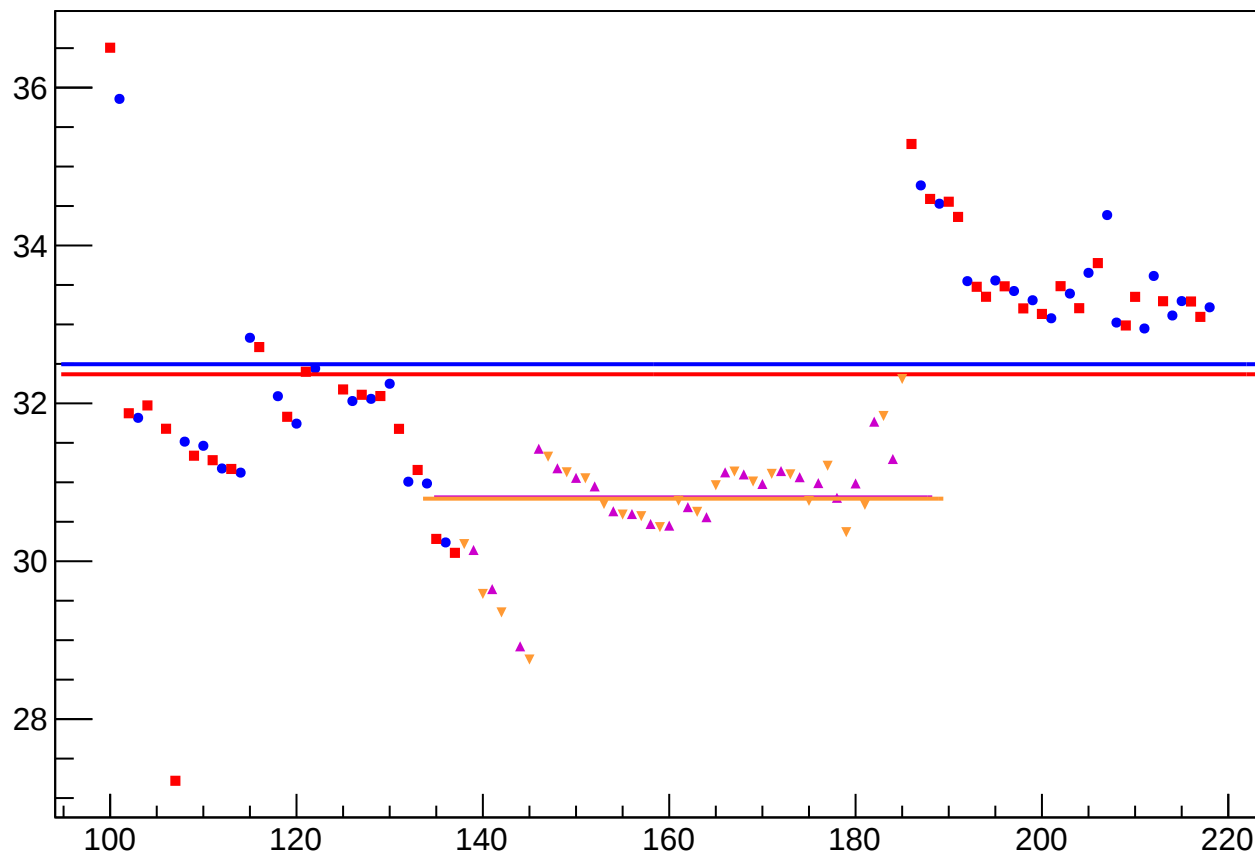
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.796 $\pm$ 0.004 χ^2 /NDF: 3162498.0/57

All: 30.793 $\pm$ 0.003 χ^2 /NDF: 6782327.7/116

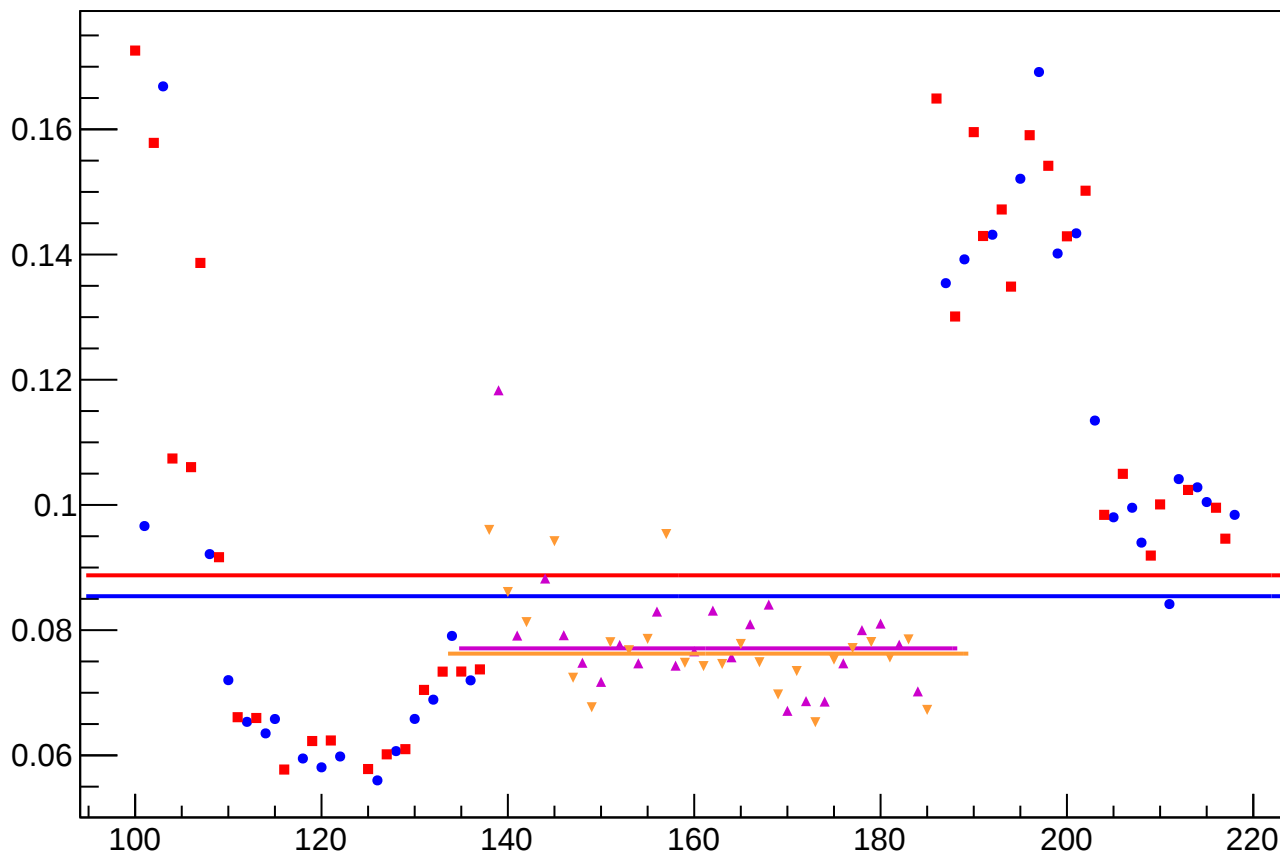
- sign 30.790 $\pm$ 0.004 χ^2 /NDF: 3619828.2/58

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: 31.505+/-0.000	χ^2/NDF : 13794131745.1
Right Out: 32.368+/-0.000	χ^2/NDF : 2638690024.2/34	- sign 31.476+/-0.000	χ^2/NDF : 6230988379.2/57
Left In: 30.809+/-0.000	χ^2/NDF : 821961762.3/22		

yield_usl_rms vs Slug



Right In: 0.085+/-0.000 χ^2/NDF : 3304031.0/31

Left Out: 0.076+/-0.000 χ^2/NDF : 277876.5/23

Right Out: 0.089+/-0.000 χ^2/NDF : 3682716.1/34

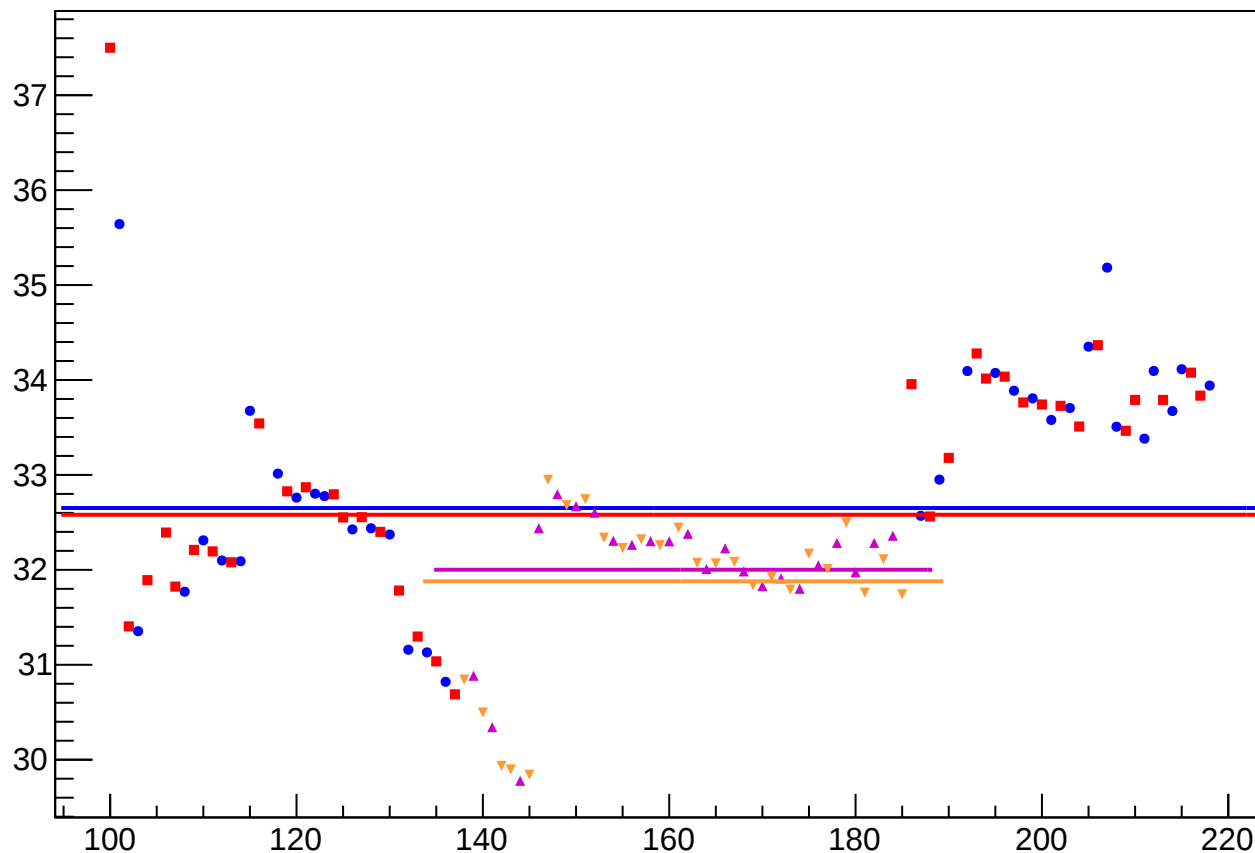
Left In: 0.077+/-0.000 χ^2/NDF : 325844.3/22

+ sign 0.080+/-0.000 χ^2/NDF : 3783830.6/55

All: 0.081+/-0.000 χ^2/NDF : 8118667.1/113

- sign 0.082+/-0.000 χ^2/NDF : 4318693.6/57

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: 32.580+/-0.000 χ^2/NDF : 1031885991.1/34

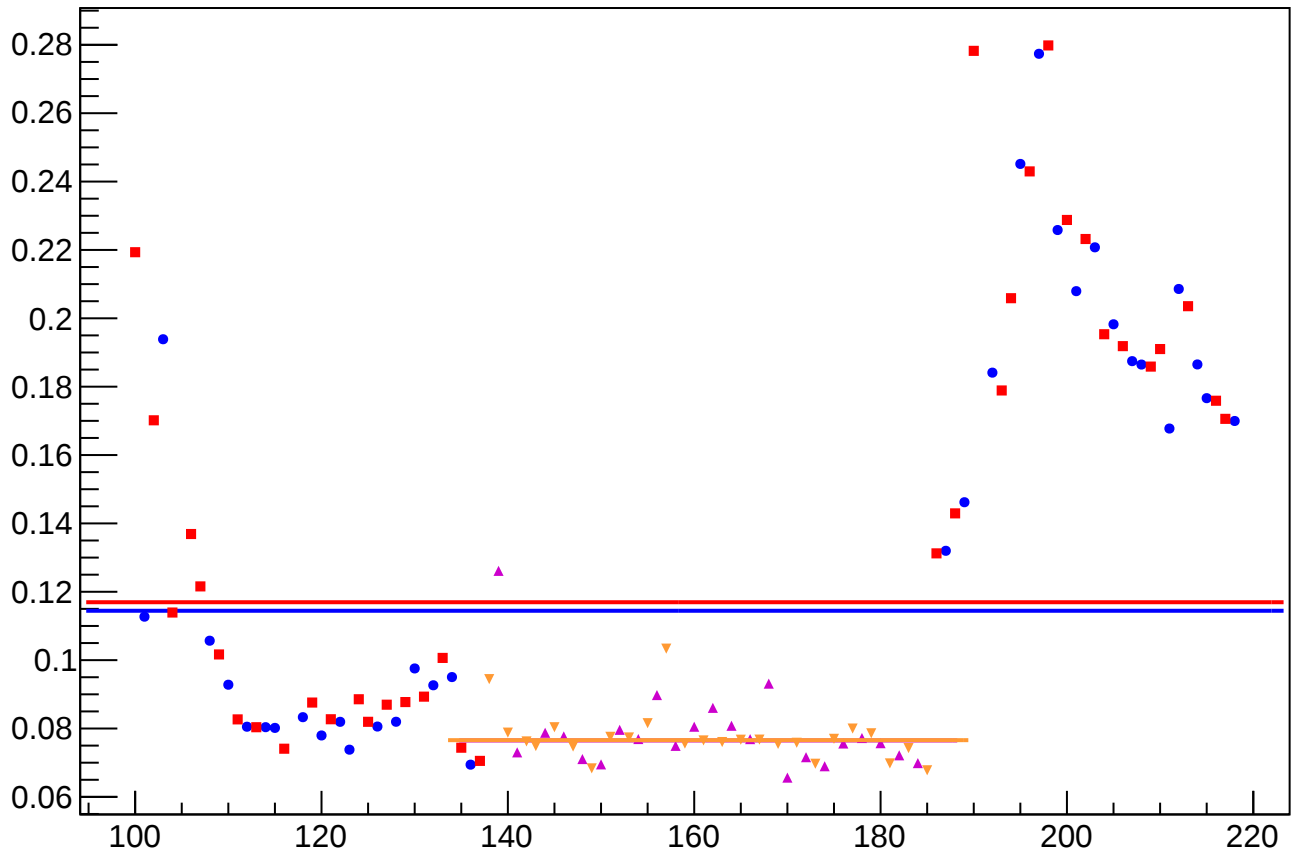
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 32.089+/-0.000 χ^2/NDF : 4136950595.8/57

All: 32.125+/-0.000 χ^2/NDF : 6846902788.6/100

- sign 32.163+/-0.000 χ^2/NDF : 2699571758.7/57

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: 0.117 $\pm$ 0.000 χ^2 /NDF: 5389564.6/34

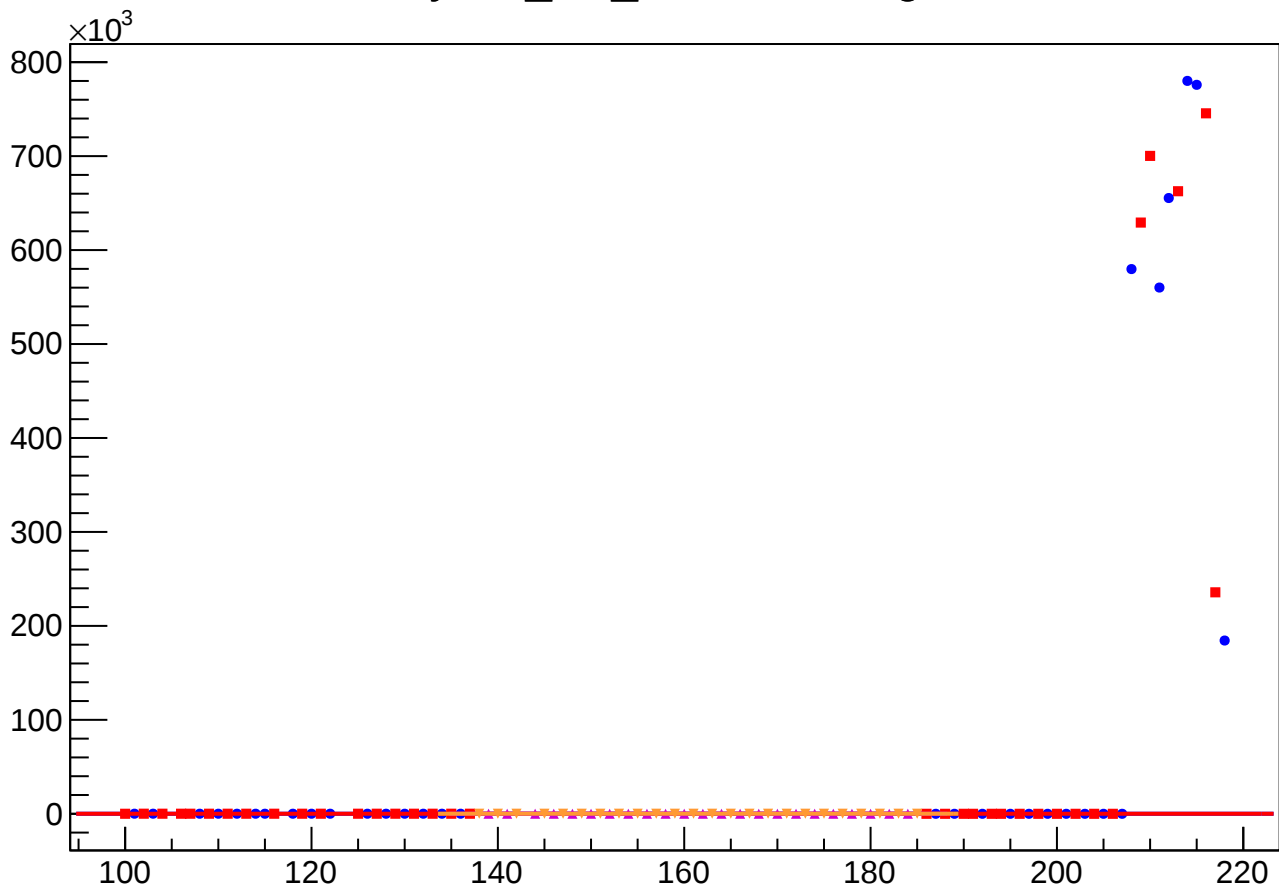
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF: 432563.3/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 8248350.0/57

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 16576357.4/115

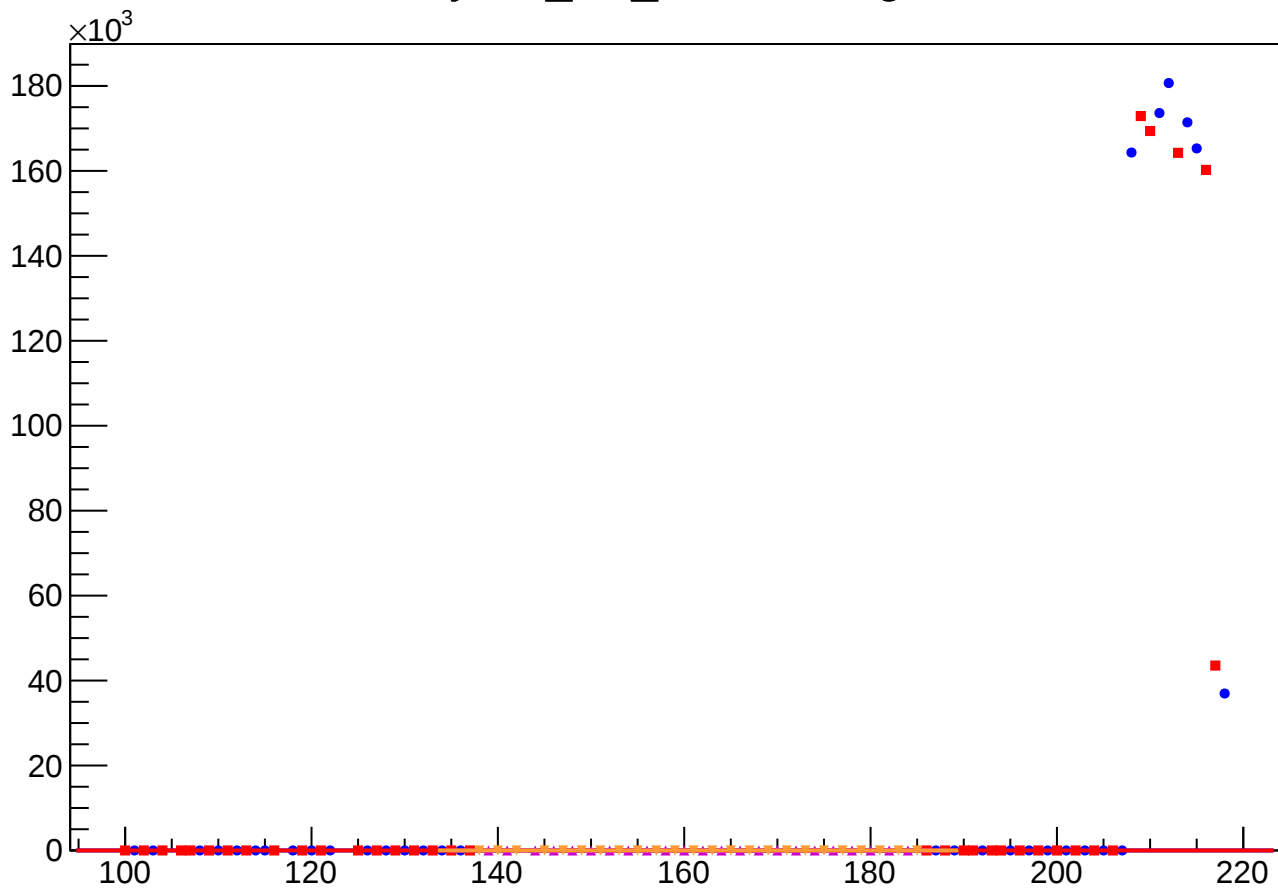
- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 8325124.8/57

yield_dsl_mean vs Slug



Right In: 54.615 $\pm$ 0.000 χ^2 /NDF: 10853566355060.2/31
 Left Out: 83.402 $\pm$ 0.000 χ^2 /NDF: 8756634444.3/23
 Right Out: 51.099 $\pm$ 0.000 χ^2 /NDF: 11528467569329.3/34
 Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22
 + sign 71.450 $\pm$ 0.000 χ^2 /NDF: 13713621001391.7
 All: 70.353 $\pm$ 0.000 χ^2 /NDF: 2903834916817
 - sign 69.298 $\pm$ 0.000 χ^2 /NDF: 15291282416729.9

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: 7156623.2/34

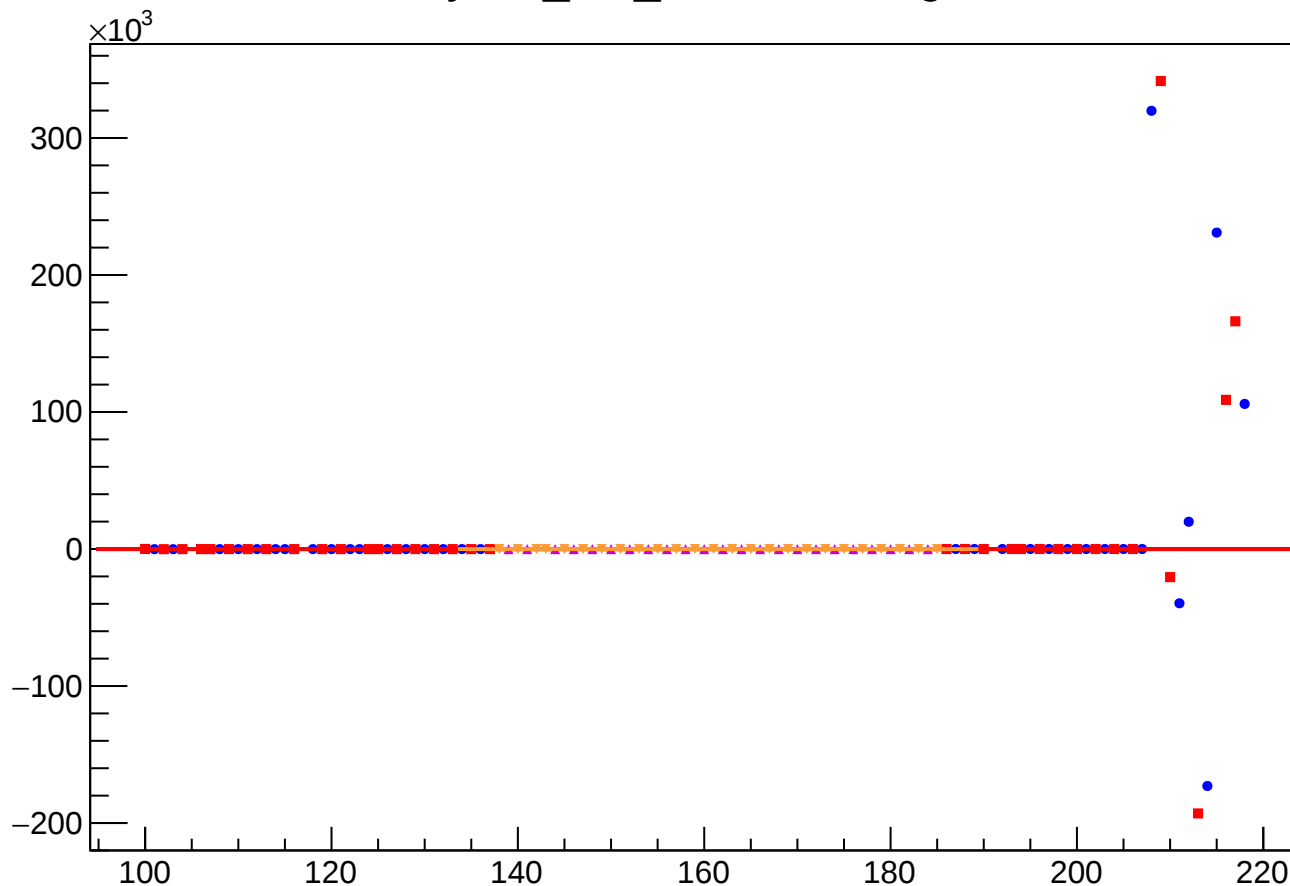
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 8654786.3/55

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 16081630.5/113

- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 7426559.9/57

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 : 234256984783

Right Out: -28.760+/-0.000

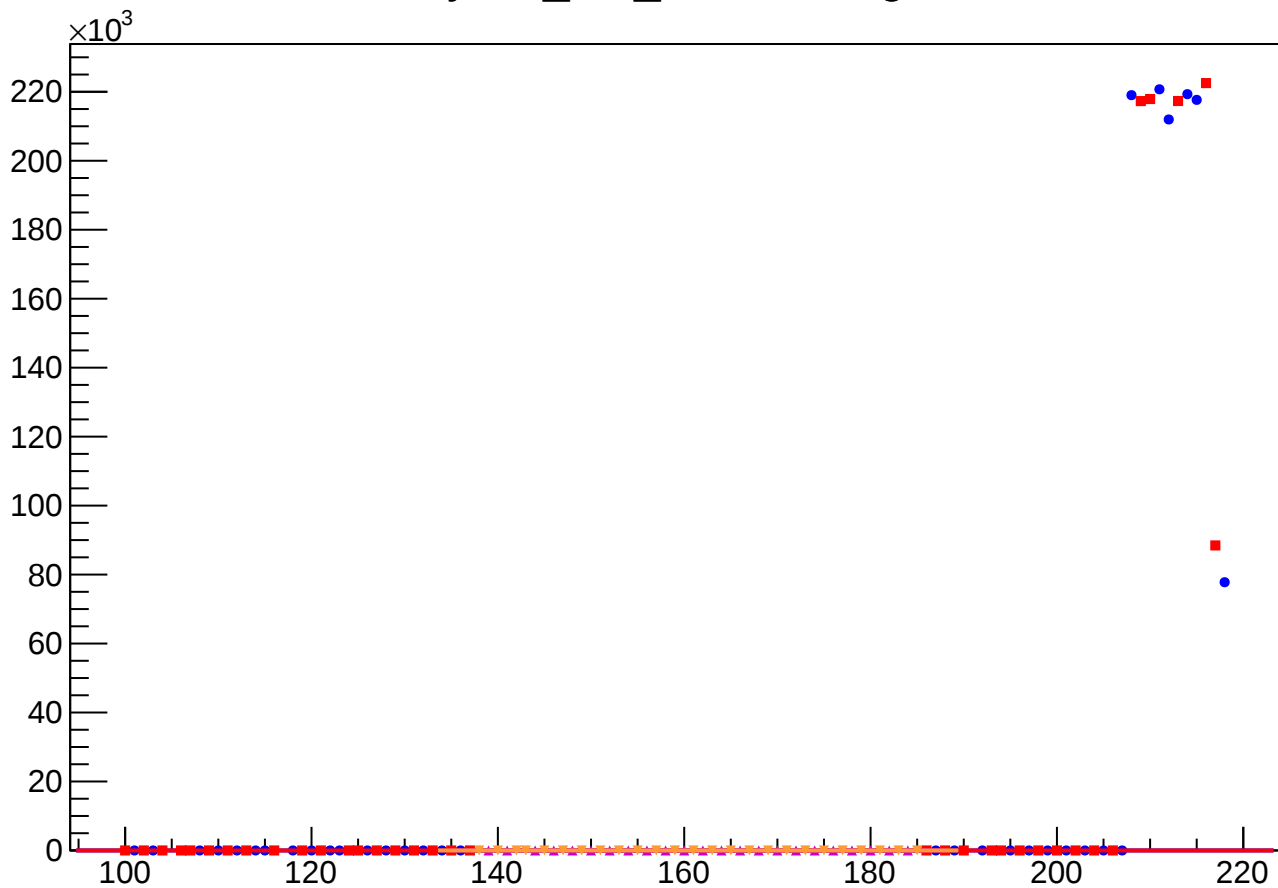
χ^2/NDF : 7325684169551.0/34

- sign -49.388+/-0.000 χ^2/NDF : 11777432312323.0

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: 7029606.5/34

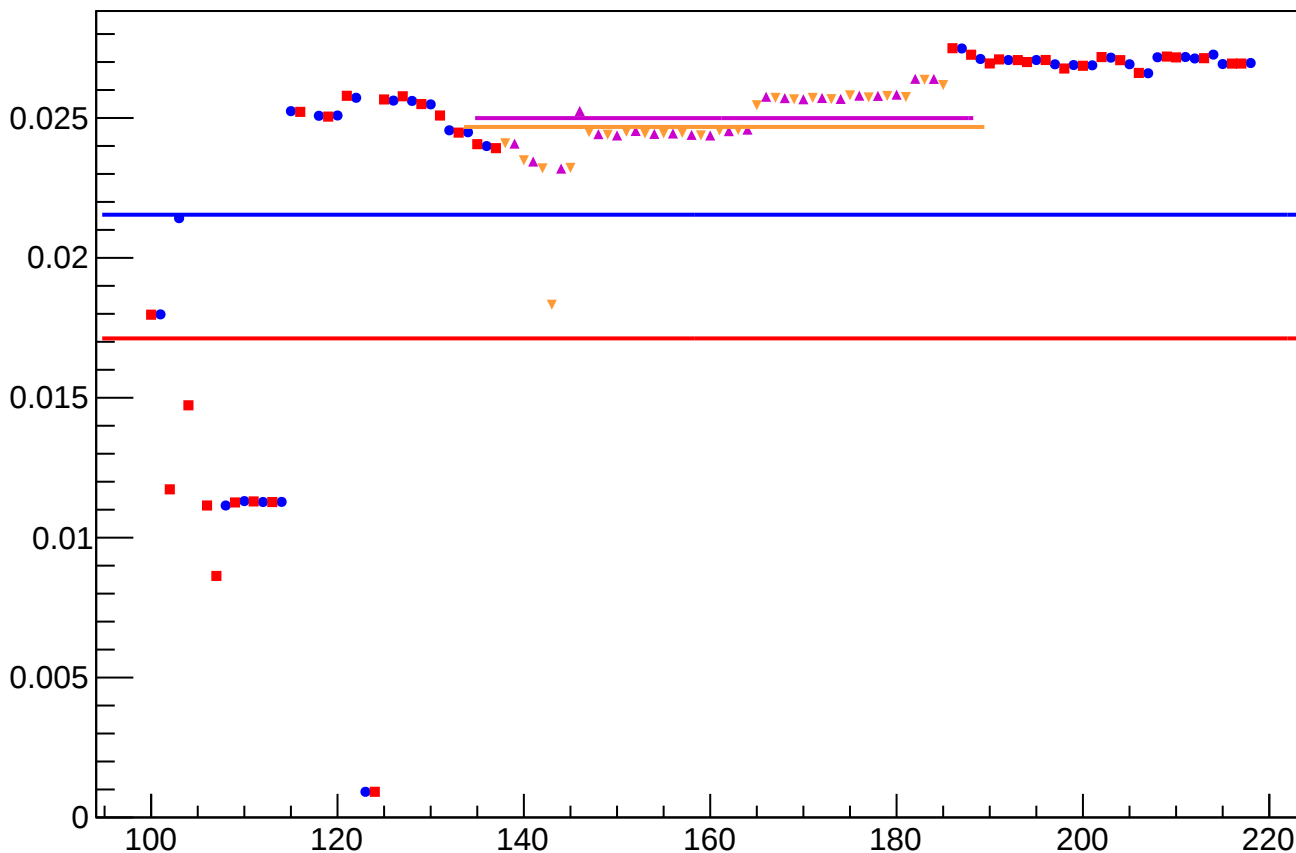
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 8487841.2/57

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 15637649.1/115

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 7149793.2/57

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: 452809447865.2/35

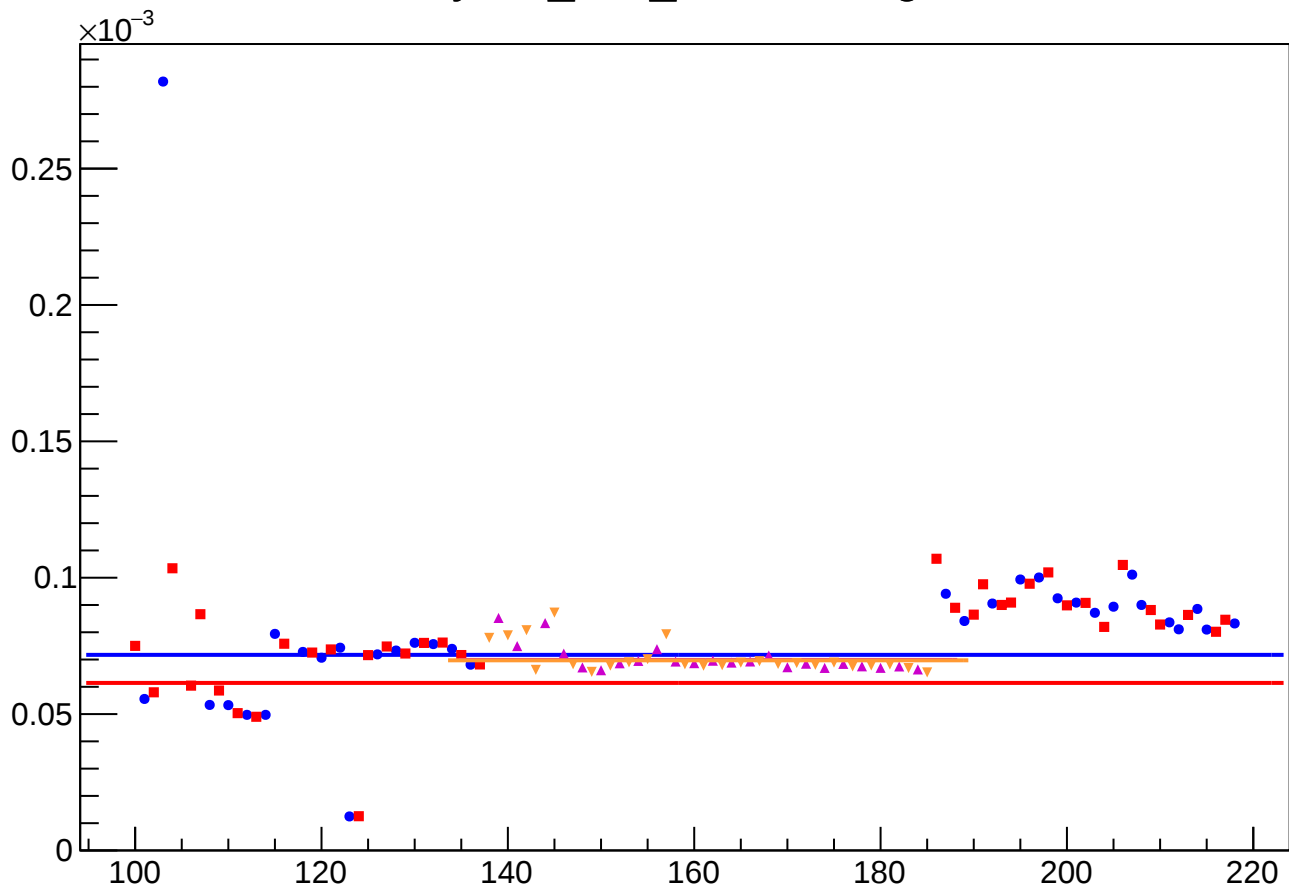
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 230959977790.6/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 818926470260.1

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 568558321109.5/58

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: 7309054.8/35

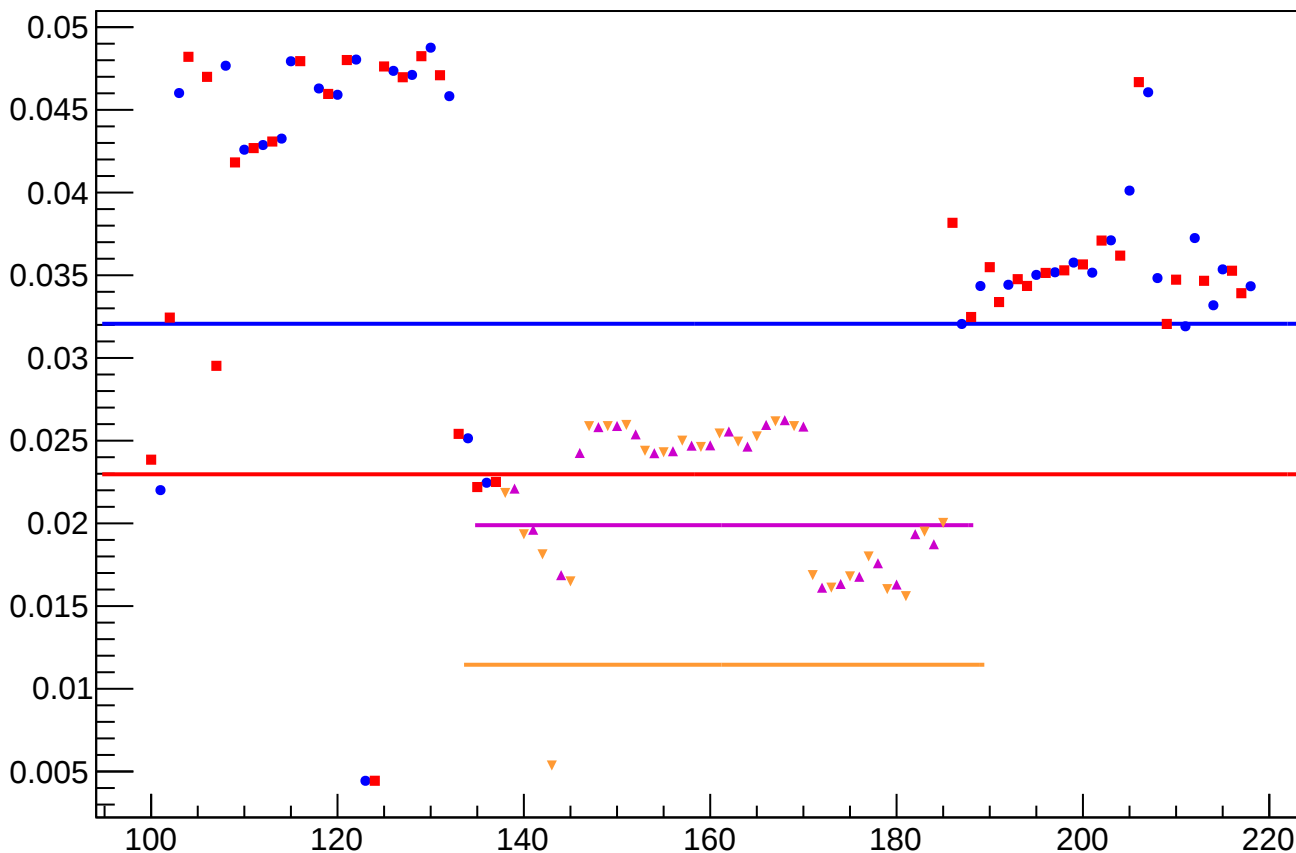
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3849467.6/57

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11734011.6/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7698029.1/58

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: 45377775726.1/35

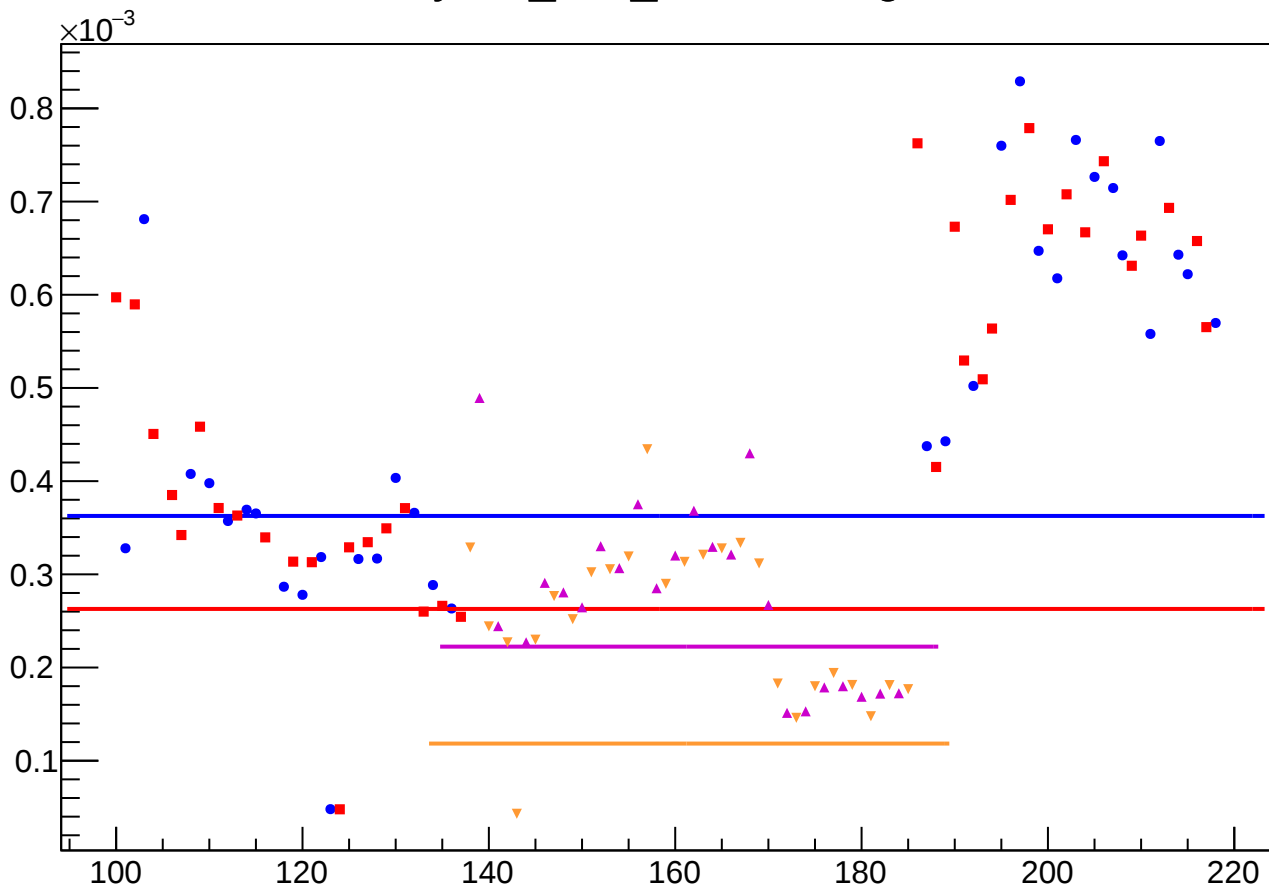
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 98755505704.2/57

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 163398443102.6

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 50759419034.3/58

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

+ sign 0.000+/-0.000 χ^2/NDF : 31901789.8/57

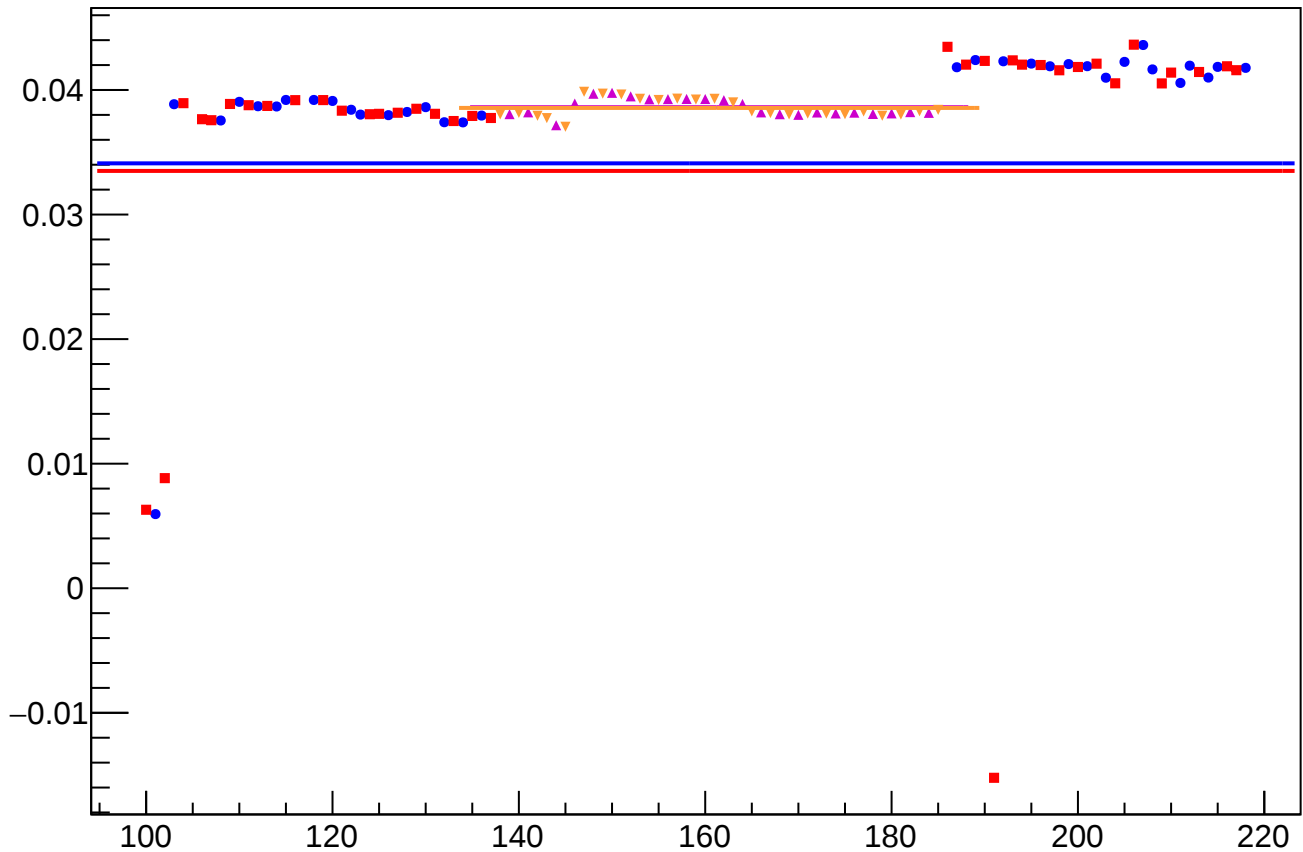
Right Out: 0.000+/-0.000 χ^2/NDF : 14423446.6/35

All: 0.000+/-0.000 χ^2/NDF : 54348088.6/116

- sign 0.000+/-0.000 χ^2/NDF : 18023483.9/58

Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

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: 186794401655.2/35

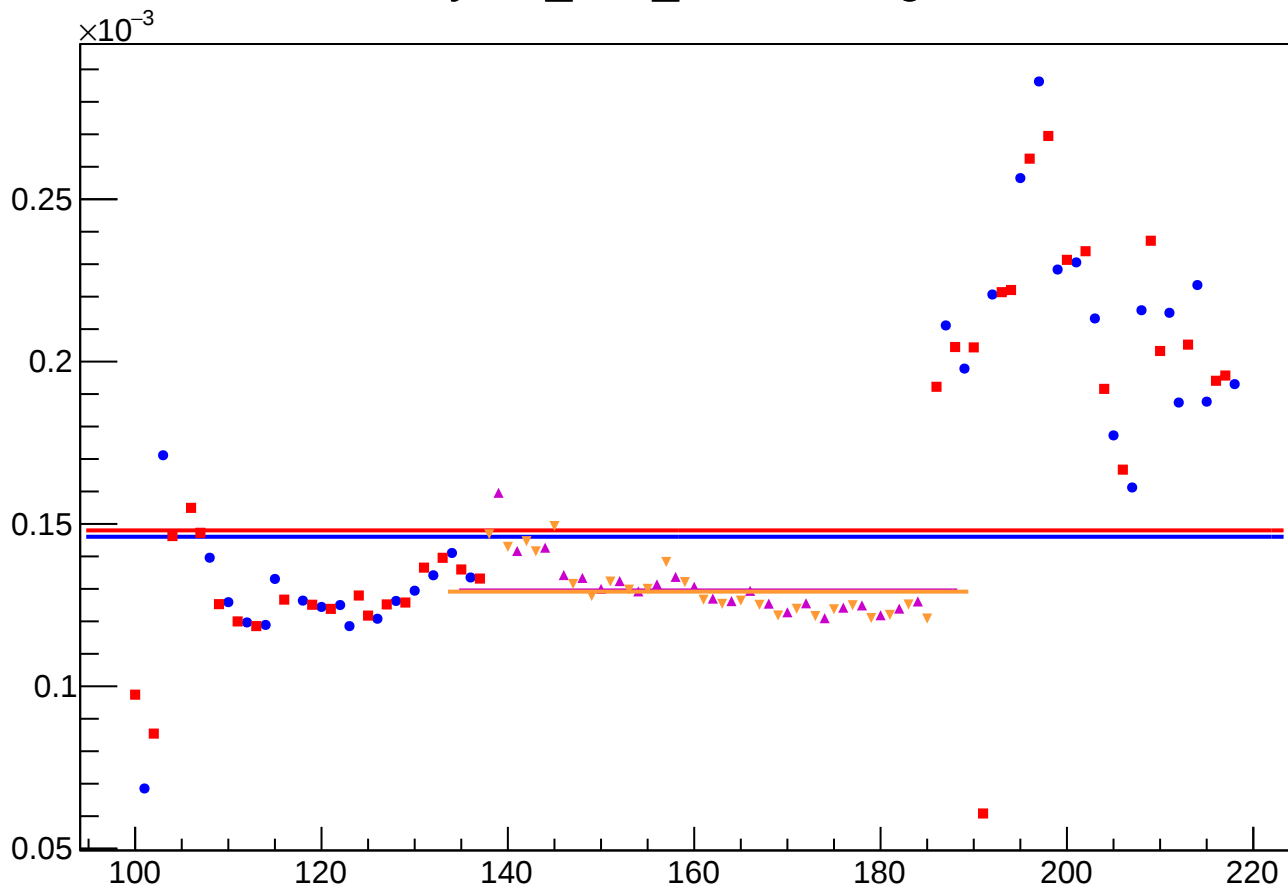
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 131198388484.6/57

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 329677047749.2

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 198405362036.8/58

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: 3684234.0/35

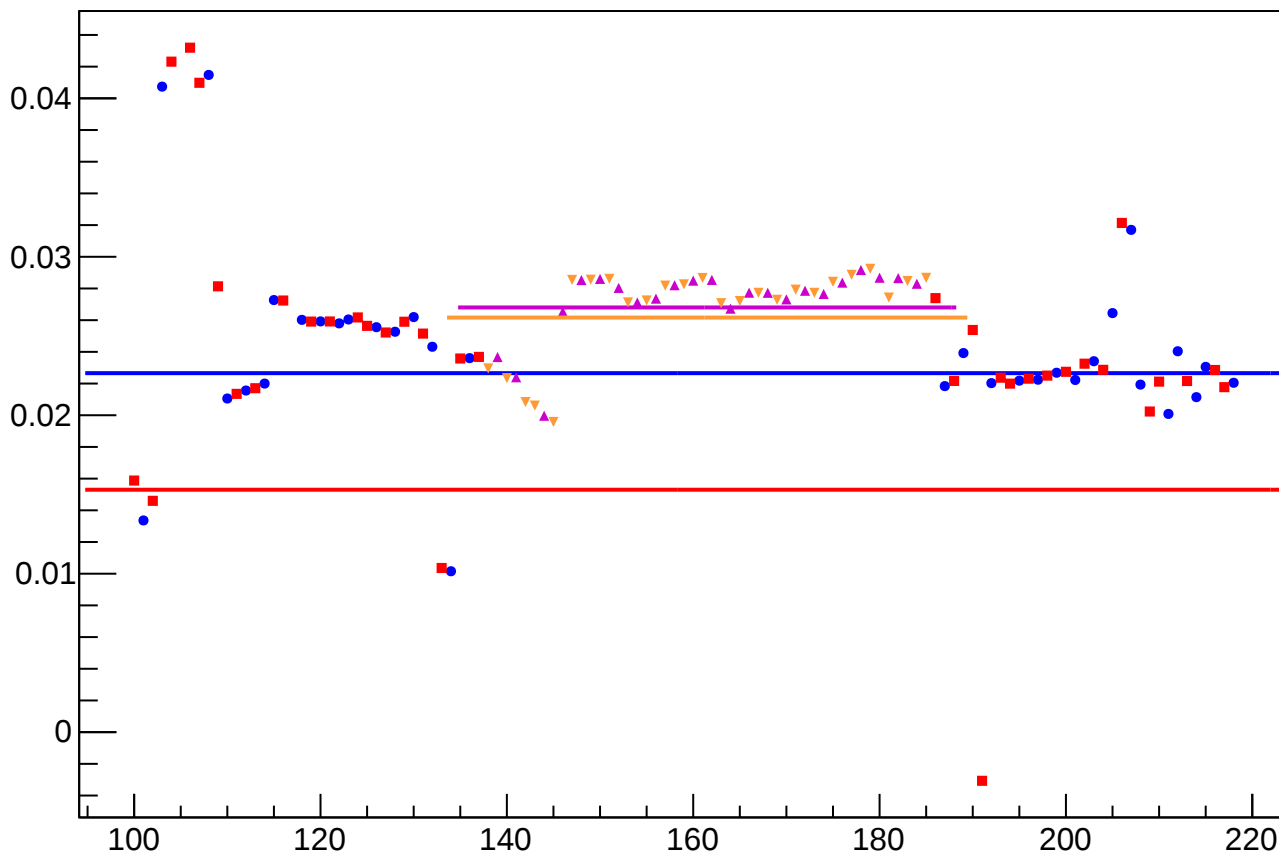
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4359092.1/57

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8452061.5/116

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4089977.7/58

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 : 31984217947.2/35

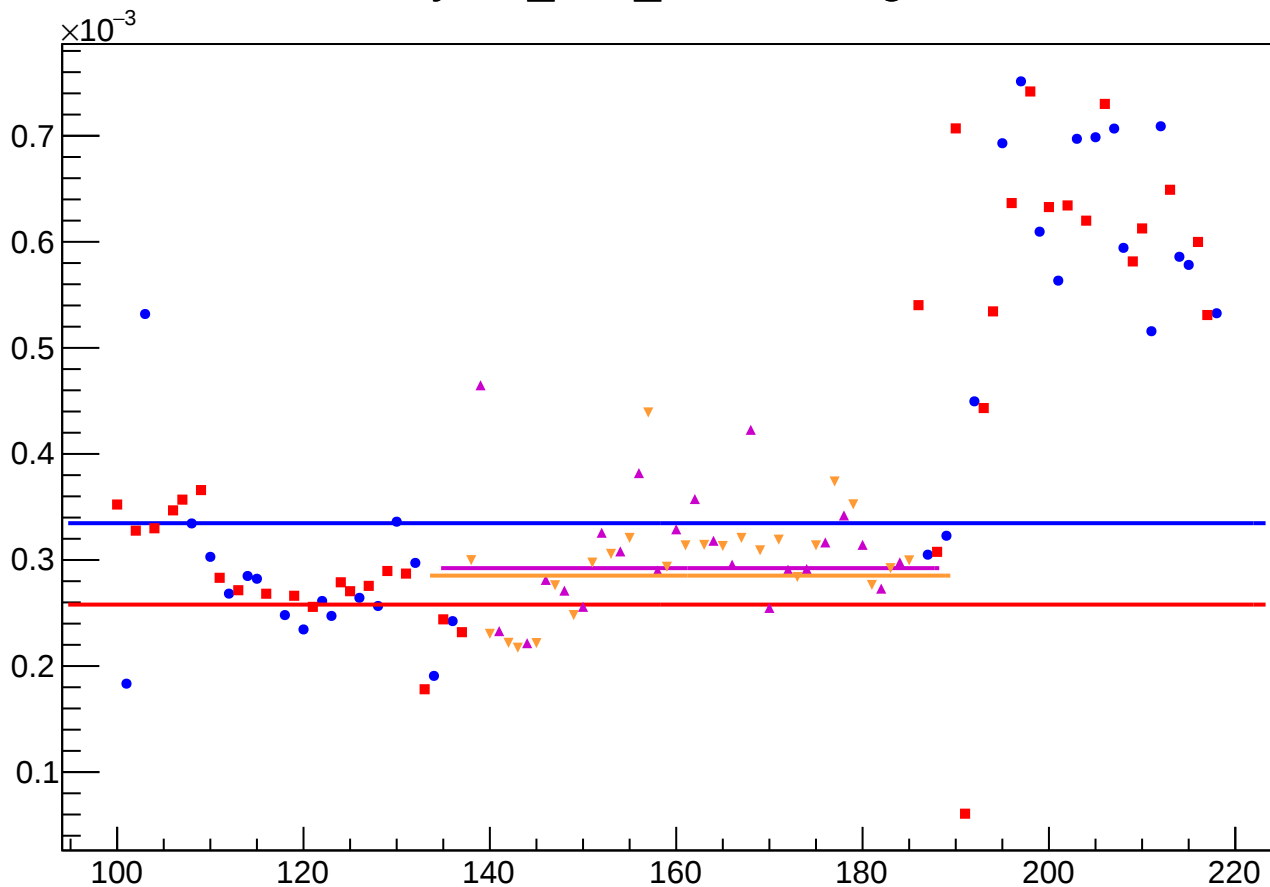
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7428588525.1/57

All: 0.023+/-0.000 χ^2/NDF : 54860556749.2/100

- sign 0.021+/-0.000 χ^2/NDF : 45196547971.5/58

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 6110009.8/32

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 11203878.0/35

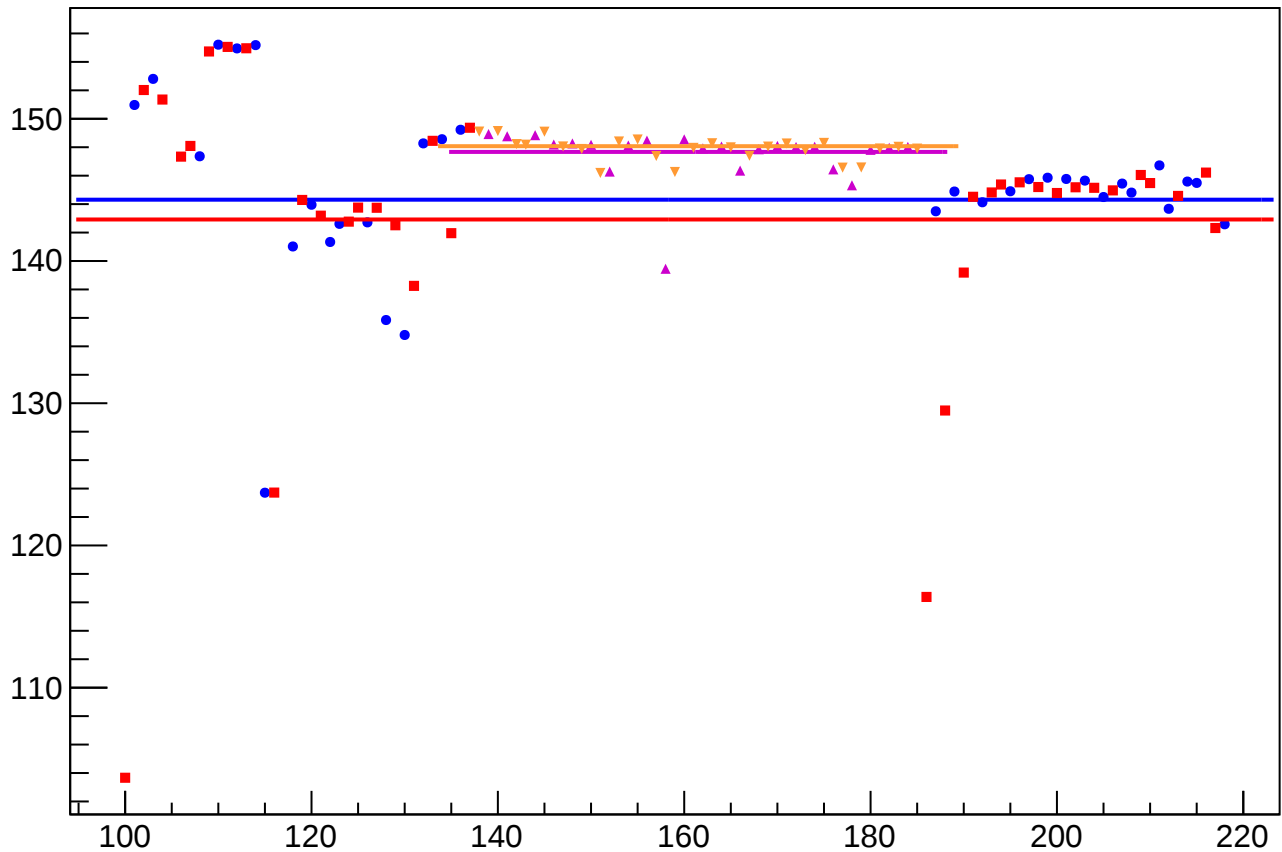
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7297809.2/57

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 19889074.4/116

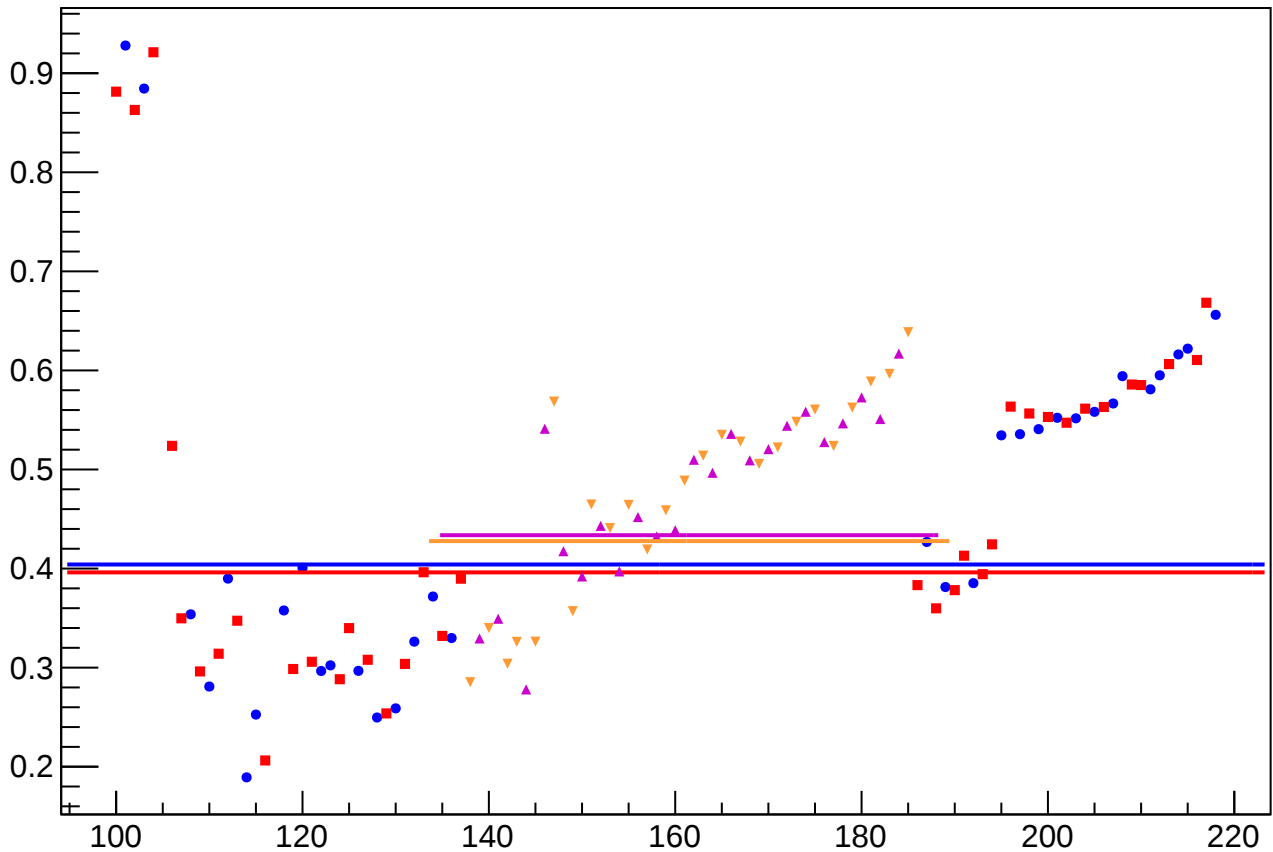
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12315109.5/58

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: 142.920 ± 0.000 χ^2/NDF : 7470617842.4/35
 Left In: 147.670 ± 0.000 χ^2/NDF : 345222604.4/22
 All: 145.633 ± 0.000 χ^2/NDF : 13226896634.
 + sign 146.178 ± 0.000 χ^2/NDF : 4242030081.3/57
 - sign 145.093 ± 0.000 χ^2/NDF : 8874349732.1/58

yield_bcm_an_ds_rms vs Slug



Right In: 0.404 ± 0.000 χ^2/NDF : 3855539.6/32

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.396 ± 0.000 χ^2/NDF : 3525730.7/35

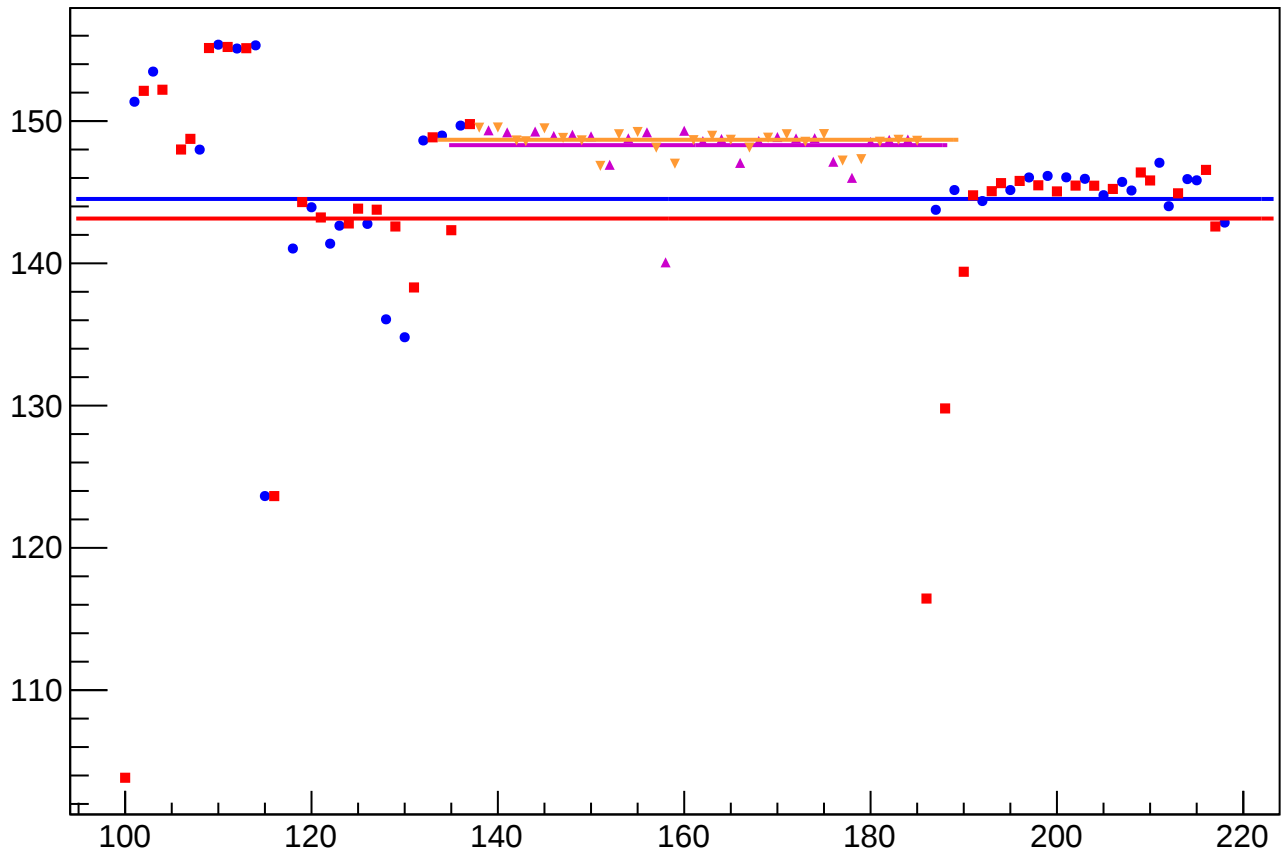
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.416 ± 0.000 χ^2/NDF : 5804545.6/57

All: 0.415 ± 0.000 χ^2/NDF : 10959899.7/116

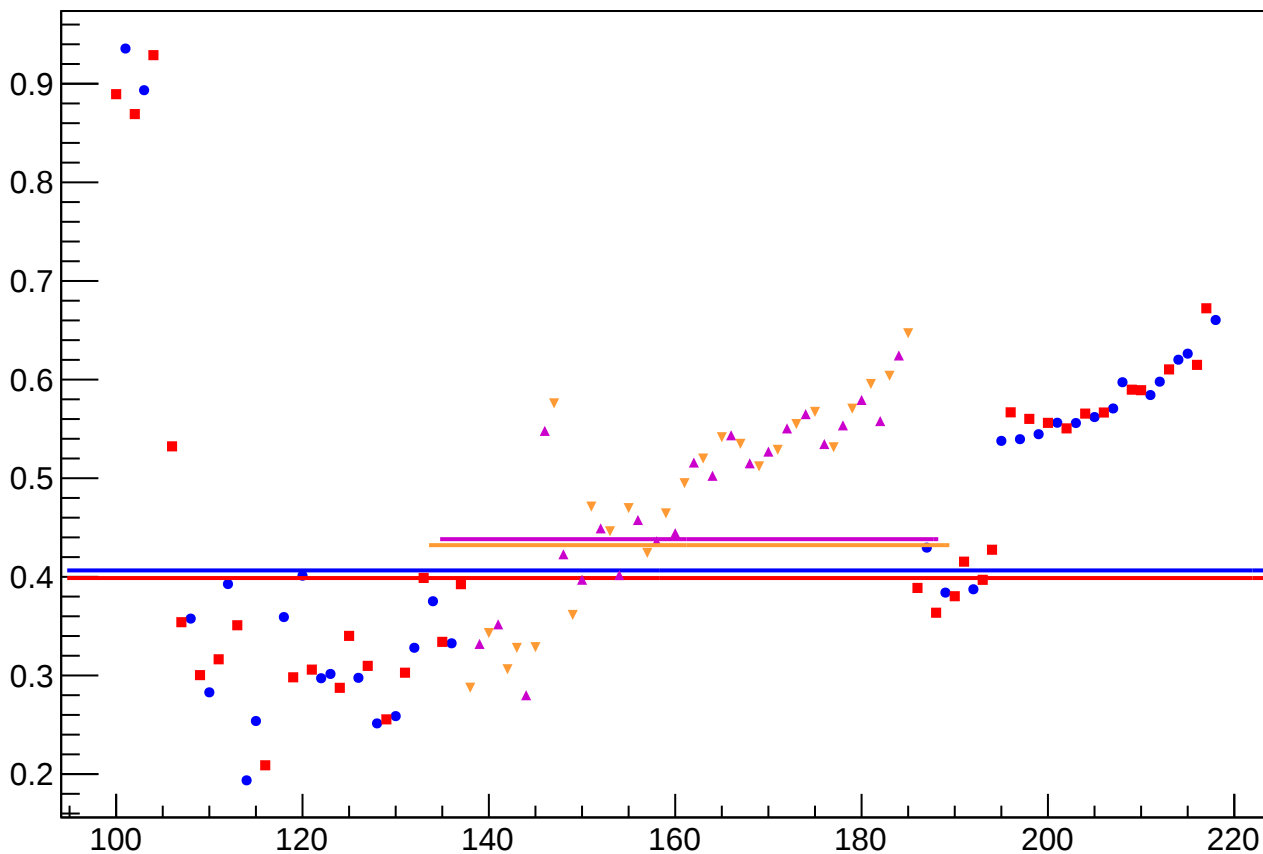
- sign 0.413 ± 0.000 χ^2/NDF : 5154167.0/58

yield_bcm_an_ds3_mean vs Slug



Right In: 144.526+/-0.000	χ^2/NDF : 3565977777.1/32	+ sign 146.580+/-0.000	χ^2/NDF : 4414014507.4/57
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.037+/-0.000	χ^2/NDF : 13504719785.
Right Out: 143.149+/-0.000	χ^2/NDF : 7423340863.4/35	- sign 145.499+/-0.000	χ^2/NDF : 8982625714.7/58
Left In: 148.307+/-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: 0.399 $\pm$ 0.000 χ^2 /NDF: 3529368.6/35

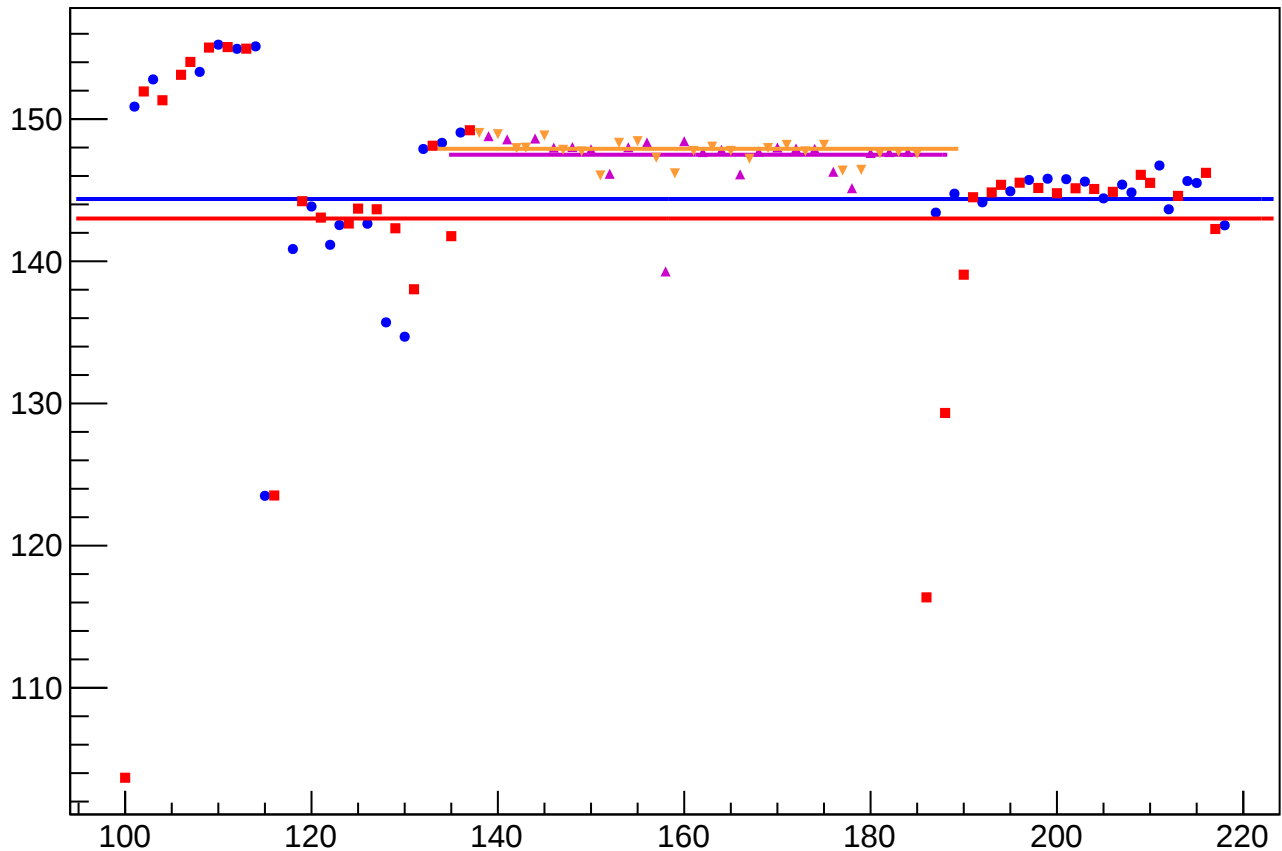
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.419 $\pm$ 0.000 χ^2 /NDF: 5853514.1/57

All: 0.418 $\pm$ 0.000 χ^2 /NDF: 11049085.3/116

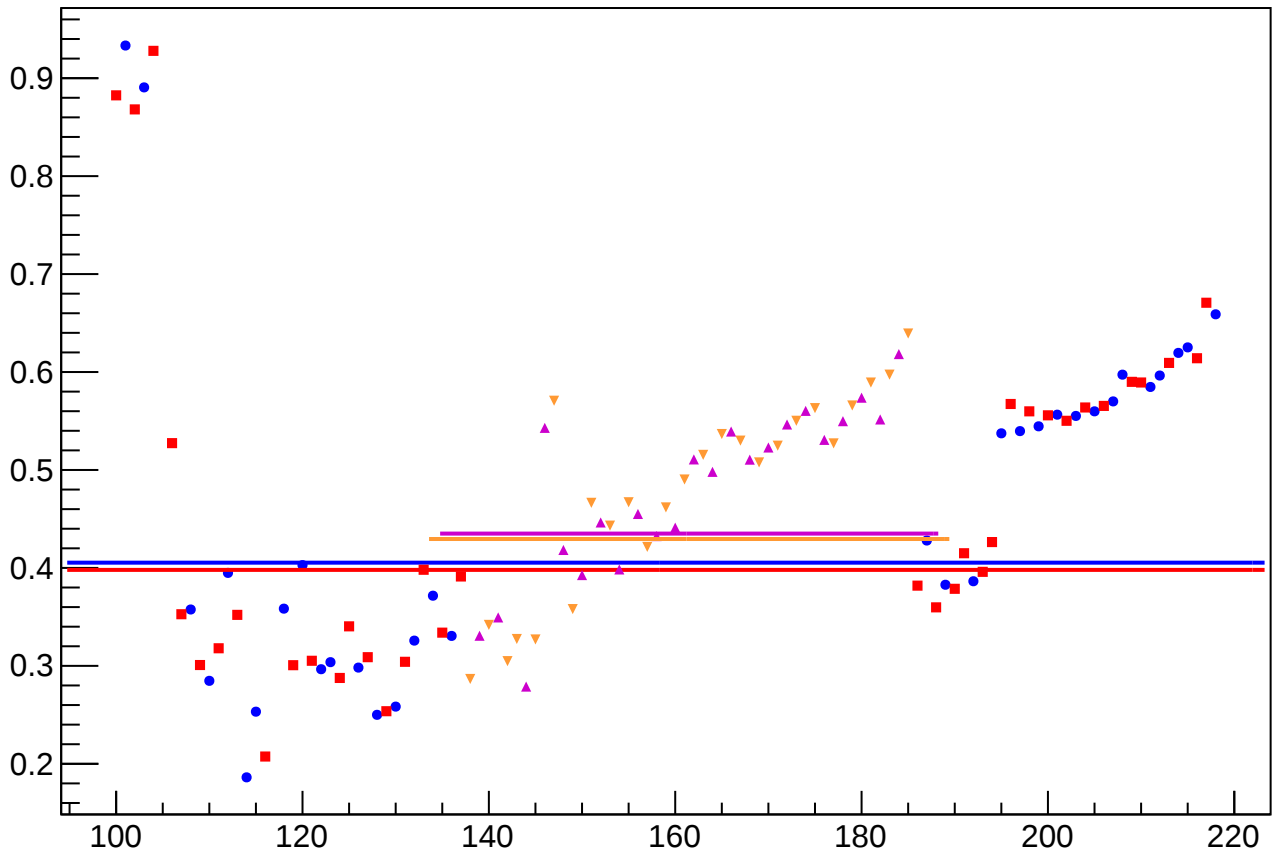
- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5194486.9/58

yield_bcm_an_us_mean vs Slug



Right In: 144.381+/-0.000	χ^2/NDF : 3720974553.4/32	+ sign 146.132+/-0.000	χ^2/NDF : 4363488454.9/57
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.595+/-0.000	χ^2/NDF : 13593924691.
Right Out: 143.008+/-0.000	χ^2/NDF : 7844049068.8/35	- sign 145.064+/-0.000	χ^2/NDF : 9124078949.7/58
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

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: 0.398 ± 0.000 χ^2/NDF : 3532631.6/35

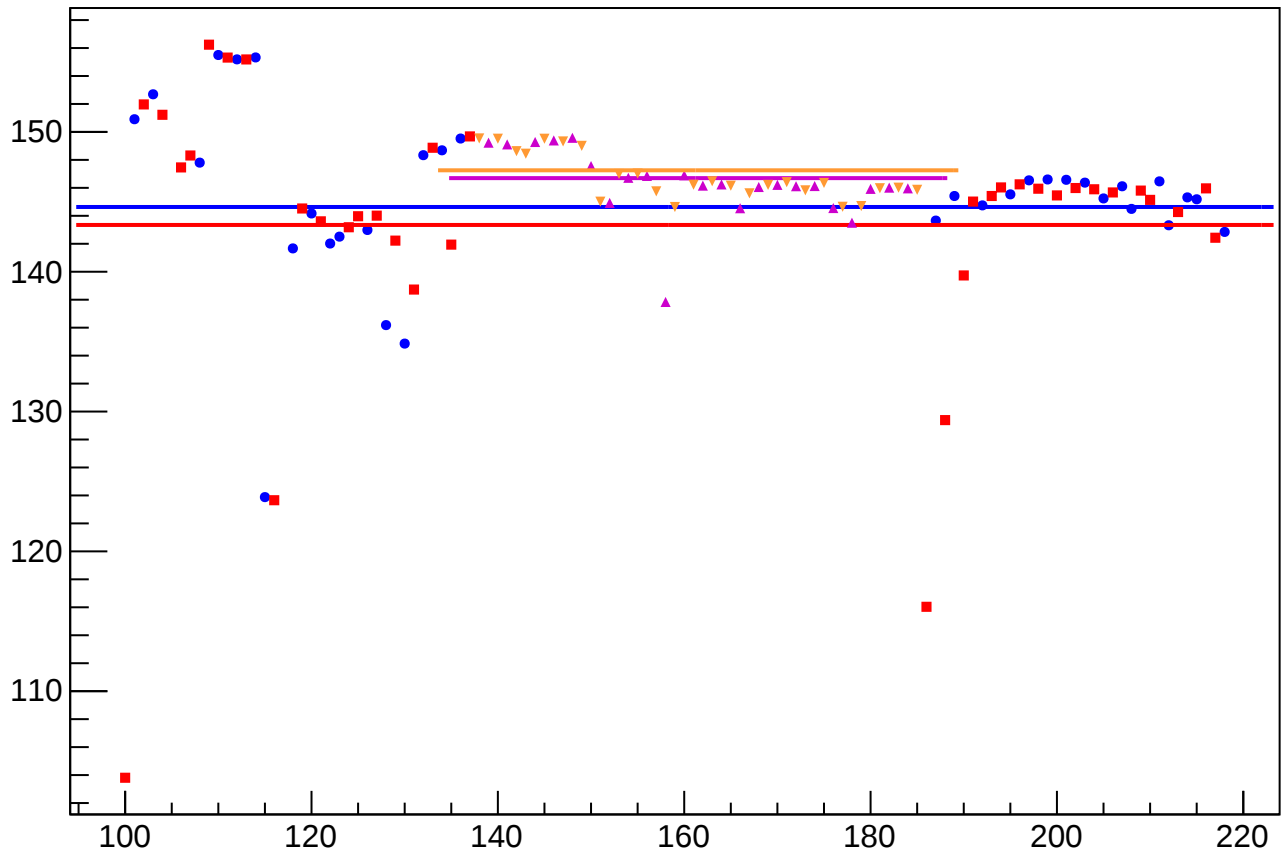
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.417 ± 0.000 χ^2/NDF : 5845141.5/57

All: 0.416 ± 0.000 χ^2/NDF : 11009417.8/116

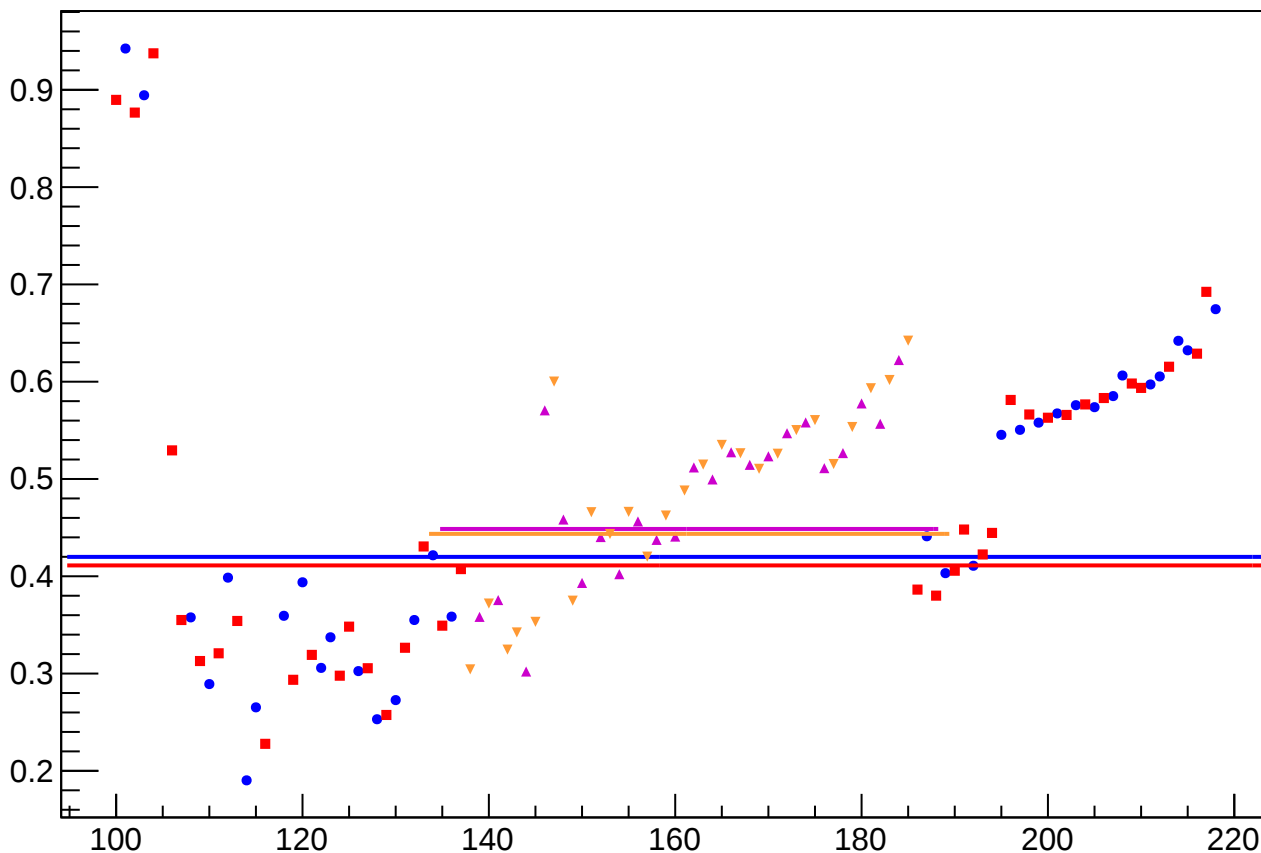
- sign 0.415 ± 0.000 χ^2/NDF : 5163224.0/58

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: 145.414 $\pm$ 0.000	χ^2 /NDF: 12105153520.
Right Out: 143.346 $\pm$ 0.000	χ^2 /NDF: 7156401888.7/35	- sign 144.893 $\pm$ 0.000	χ^2 /NDF: 8207029707.8/58
Left In: 146.695 $\pm$ 0.000	χ^2 /NDF: 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.420 $\pm$ 0.000 χ^2 /NDF: 3763734.5/32

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.411 $\pm$ 0.000 χ^2 /NDF: 3421792.7/35

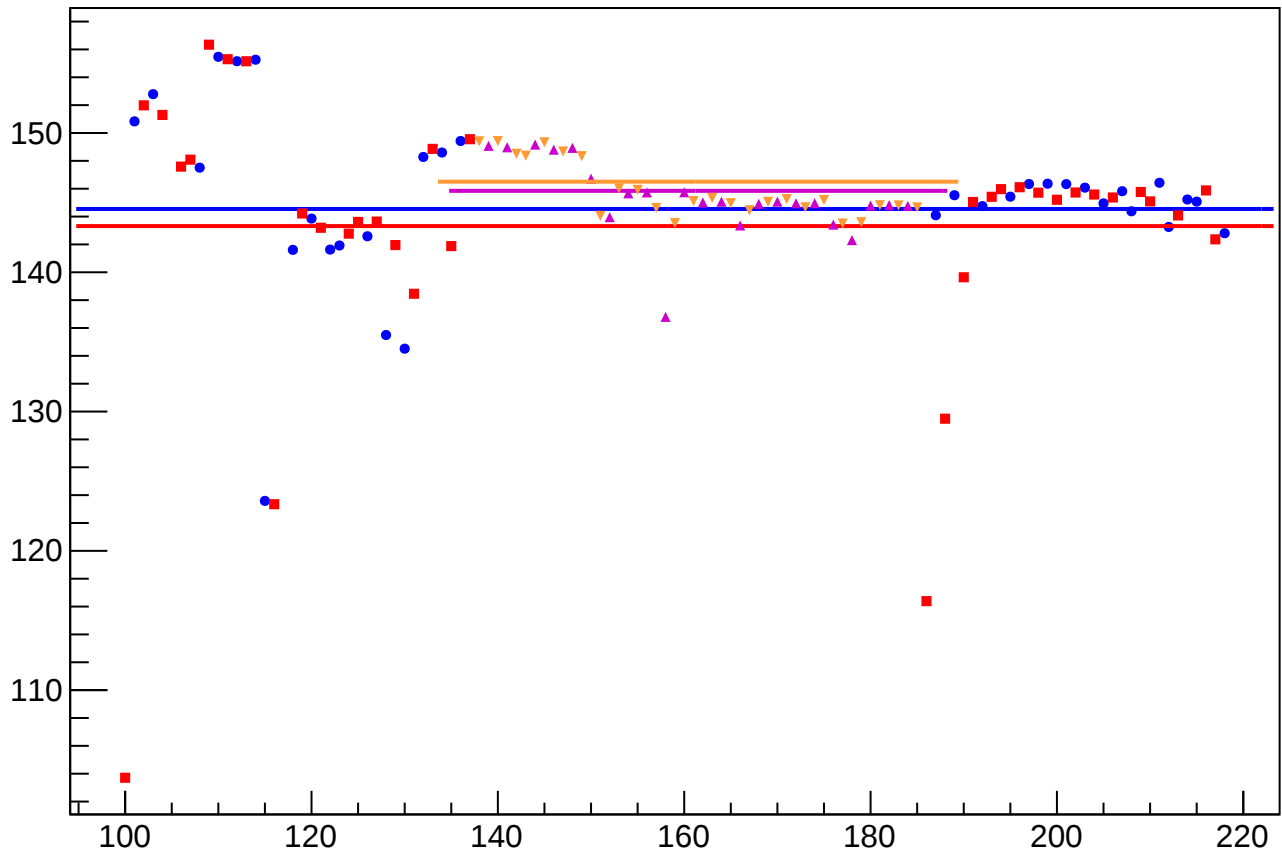
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.432 $\pm$ 0.000 χ^2 /NDF: 5295948.6/57

All: 0.430 $\pm$ 0.000 χ^2 /NDF: 9975687.6/116

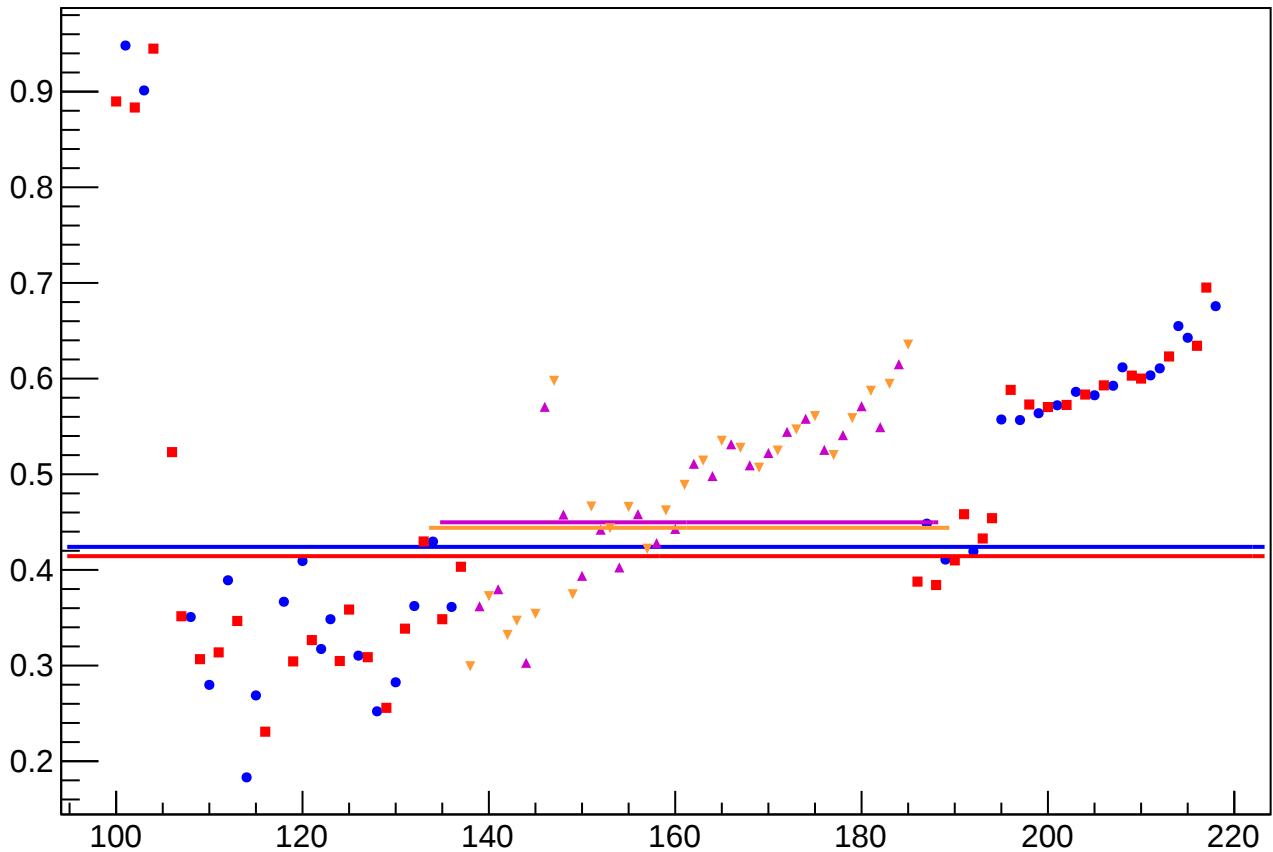
- sign 0.428 $\pm$ 0.000 χ^2 /NDF: 4677845.5/58

yield_bcm_dg_ds_mean vs Slug



Right In: 144.546+/-0.000	χ^2/NDF : 3349027773.0/32	+ sign 145.535+/-0.000	χ^2/NDF : 3915816742.2/57
Left Out: 146.505+/-0.000	χ^2/NDF : 401688176.3/24	All: 145.011+/-0.000	χ^2/NDF : 12090566883.
Right Out: 143.317+/-0.000	χ^2/NDF : 7108165070.2/35	- sign 144.494+/-0.000	χ^2/NDF : 8080779898.7/58
Left In: 145.847+/-0.000	χ^2/NDF : 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.424+/-0.000 χ^2/NDF : 3814525.8/32

Left Out: 0.444+/-0.000 χ^2/NDF :1463293.5/24

Right Out: 0.414+/-0.000 χ^2/NDF : 3454792.8/35

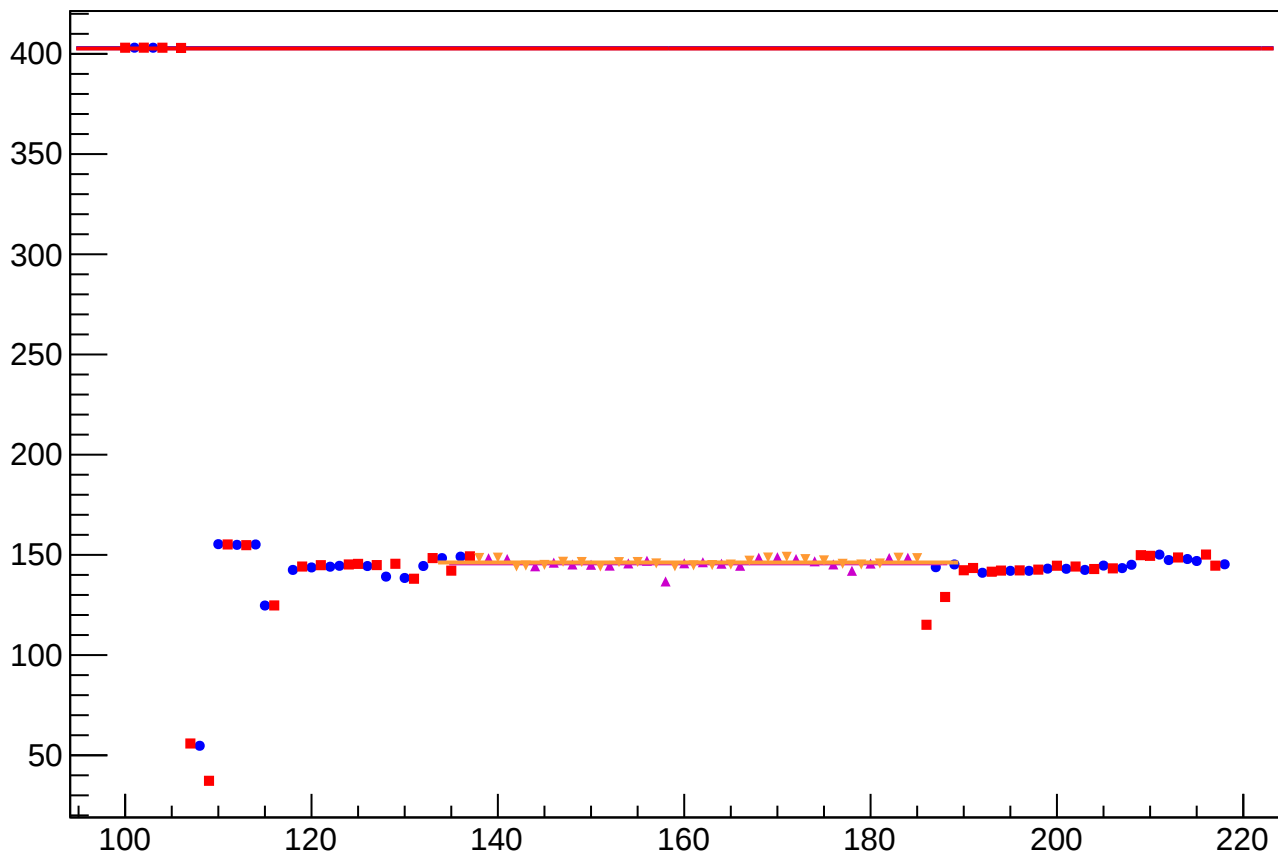
Left In: 0.450+/-0.000 χ^2/NDF :1105405.0/22

+ sign 0.434+/-0.000 χ^2/NDF : 5311955.1/57

All: 0.432+/-0.000 χ^2/NDF : 9982809.0/116

- sign 0.431+/-0.000 χ^2/NDF : 4668961.7/58

yield_cav4bQ_mean vs Slug



Right In: 402.854+/-0.000 χ^2/NDF : 1930473326000.7/32

Left Out: 146.205+/-0.000 χ^2/NDF : 86658381.3/24

Right Out: 402.688+/-0.000 χ^2/NDF : 4122498786779.9/35

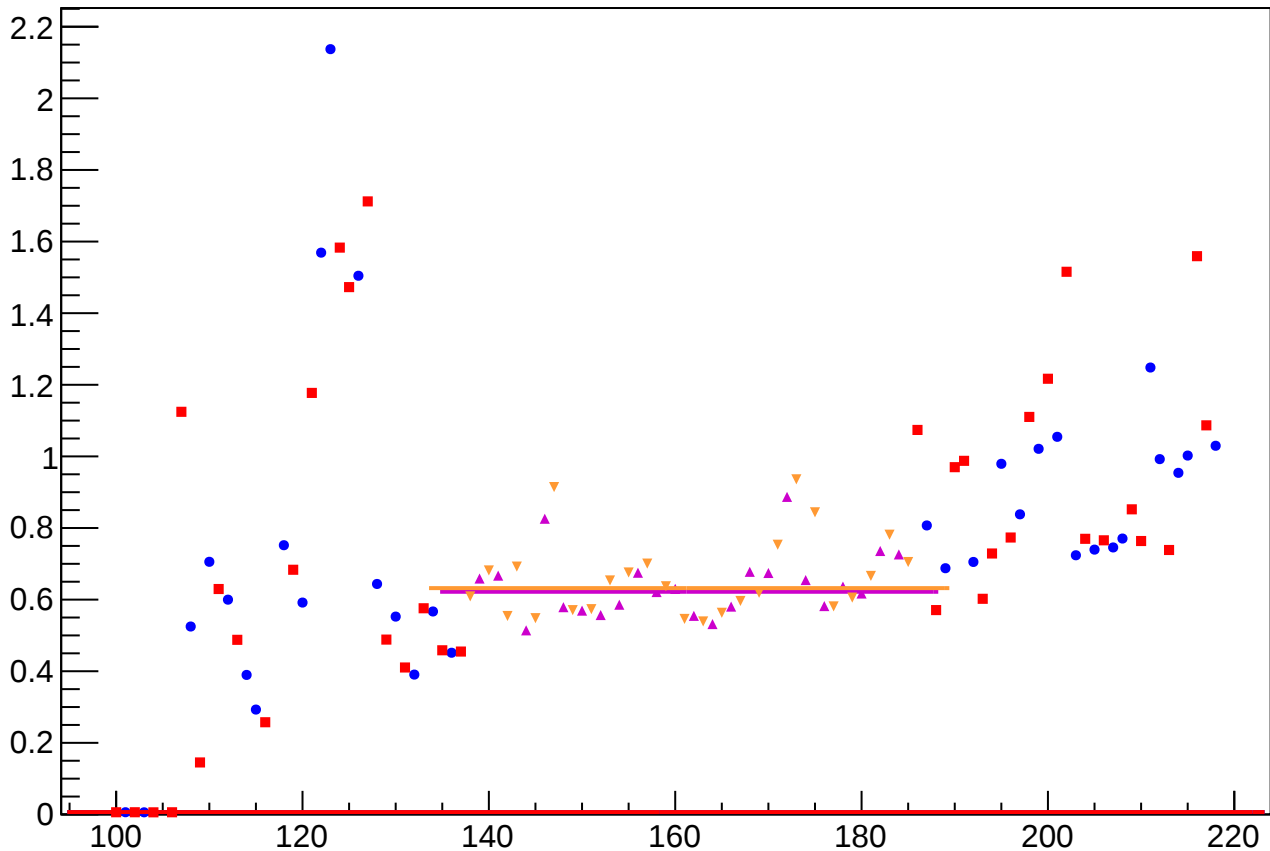
Left In: 145.773+/-0.000 χ^2/NDF : 207332354.9/22

+ sign 402.558+/-0.000 χ^2/NDF : 4300554696391.3

All: 402.489+/-0.000 χ^2/NDF : 107687494142

- sign 402.429+/-0.000 χ^2/NDF : 6467922172747.8

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: 28964289.7/35

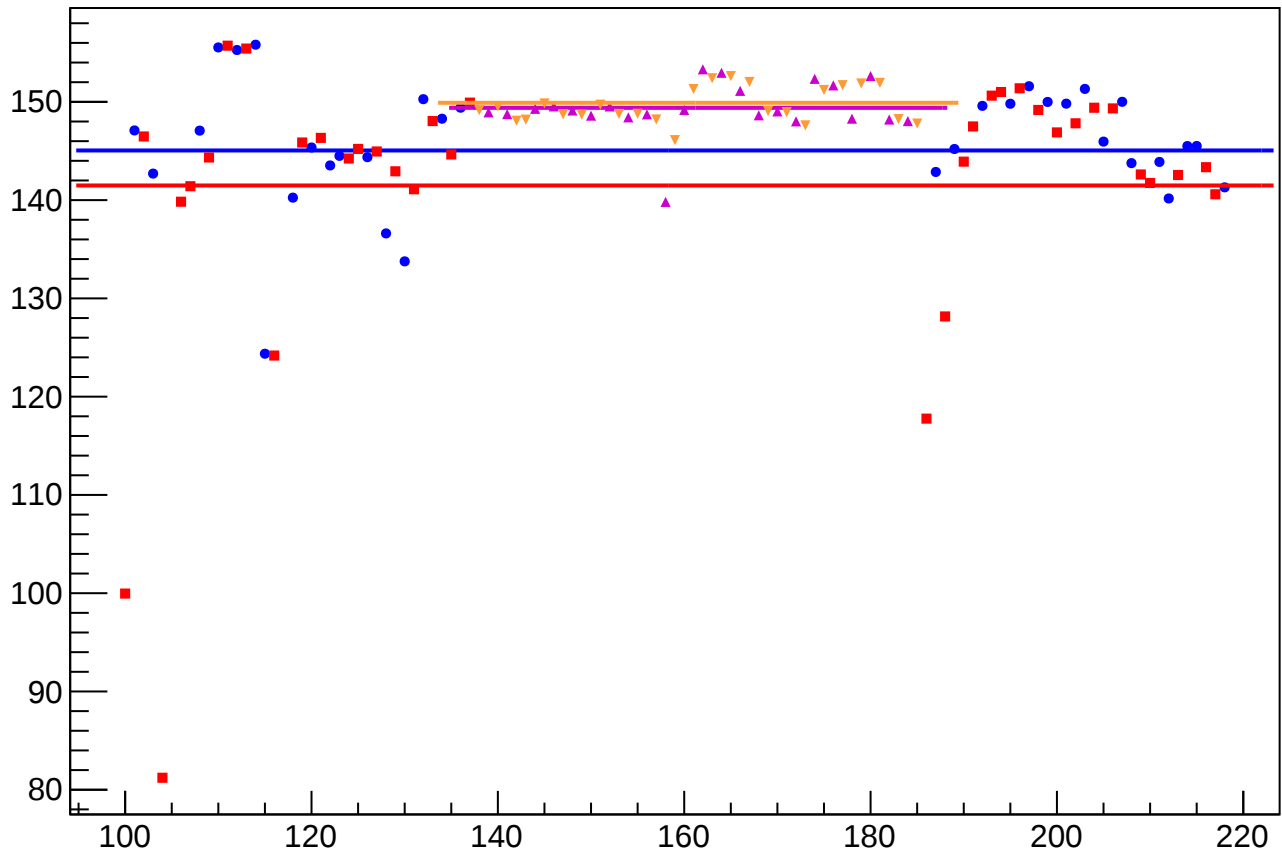
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 56124212.6/57

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 112394977.2/116

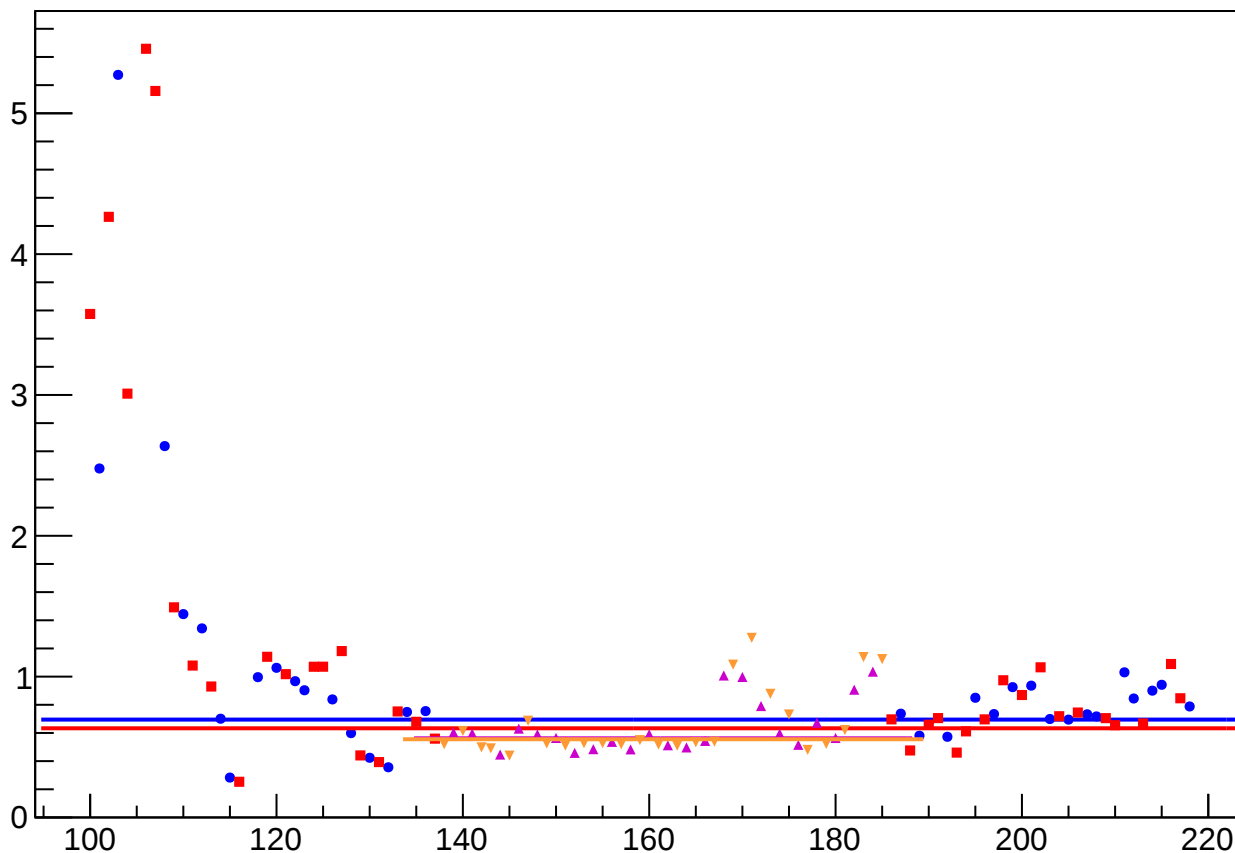
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 56270307.1/58

yield_cav4cQ_mean vs Slug



Right In: 145.053+/-0.000	χ^2/NDF : 1379417191.1/32	+ sign 148.239+/-0.000	χ^2/NDF : 1954546905.6/57
Left Out: 149.906+/-0.000	χ^2/NDF : 163261802.4/24	All: 147.197+/-0.000	χ^2/NDF : 7016262589.1
Right Out: 141.491+/-0.000	χ^2/NDF : 3254164238.2/35	- sign 146.187+/-0.000	χ^2/NDF : 4895761935.2/58
Left In: 149.391+/-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: 0.633 ± 0.000 χ^2/NDF : 5911555.5/35

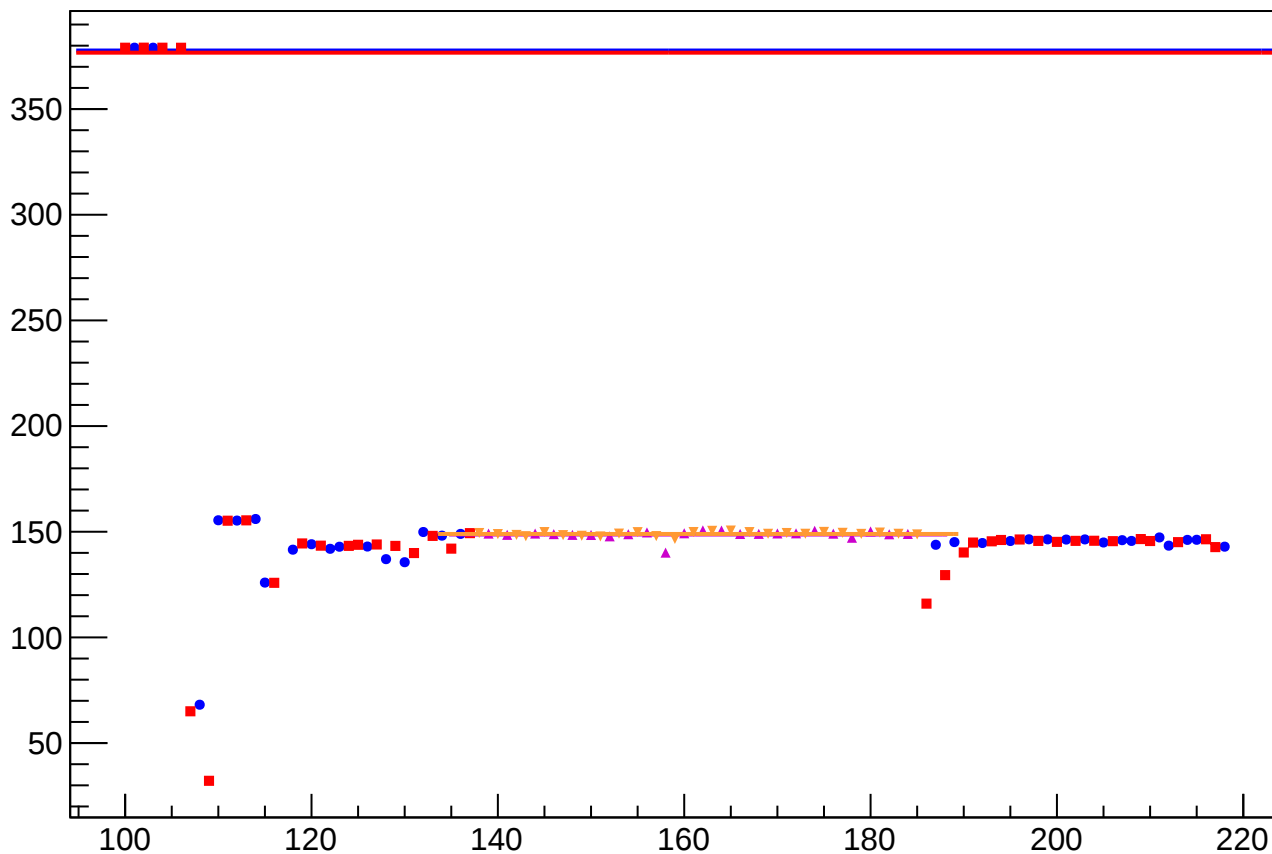
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.603 ± 0.000 χ^2/NDF : 6821102.5/57

All: 0.597 ± 0.000 χ^2/NDF : 14250859.6/116

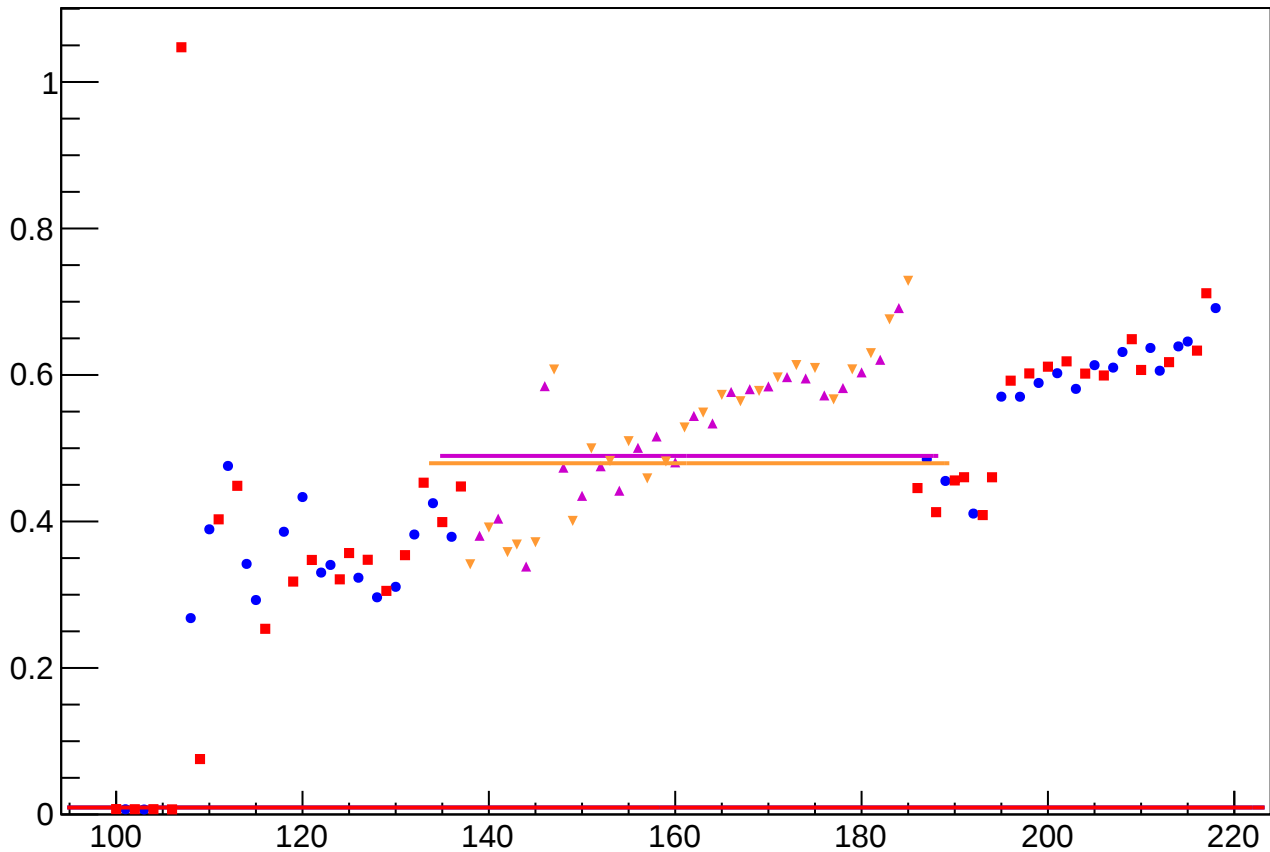
- sign 0.591 ± 0.000 χ^2/NDF : 7417581.4/58

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: 376.020+/-0.000	χ^2/NDF : 221955374008
Right Out: 376.691+/-0.000	χ^2/NDF : 10421732523945.6/35	- sign 375.663+/-0.000	χ^2/NDF : 13988230607264.5
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: 0.009 $\pm$ 0.000 χ^2 /NDF: 31502197.8/35

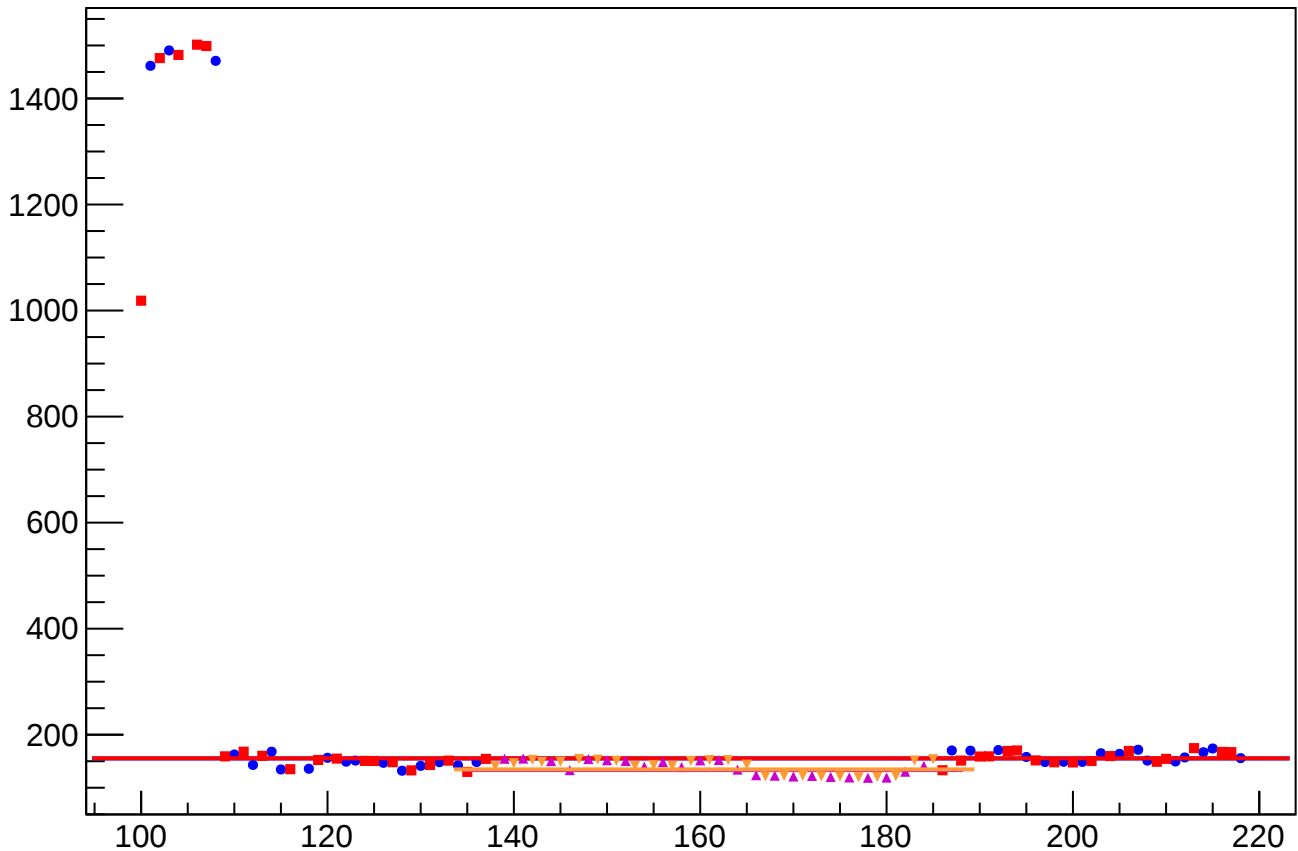
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 65744621.6/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 129956288.4/116

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 64207970.5/58

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: 155.491+/-0.000 χ^2/NDF : 35305015972.0/35

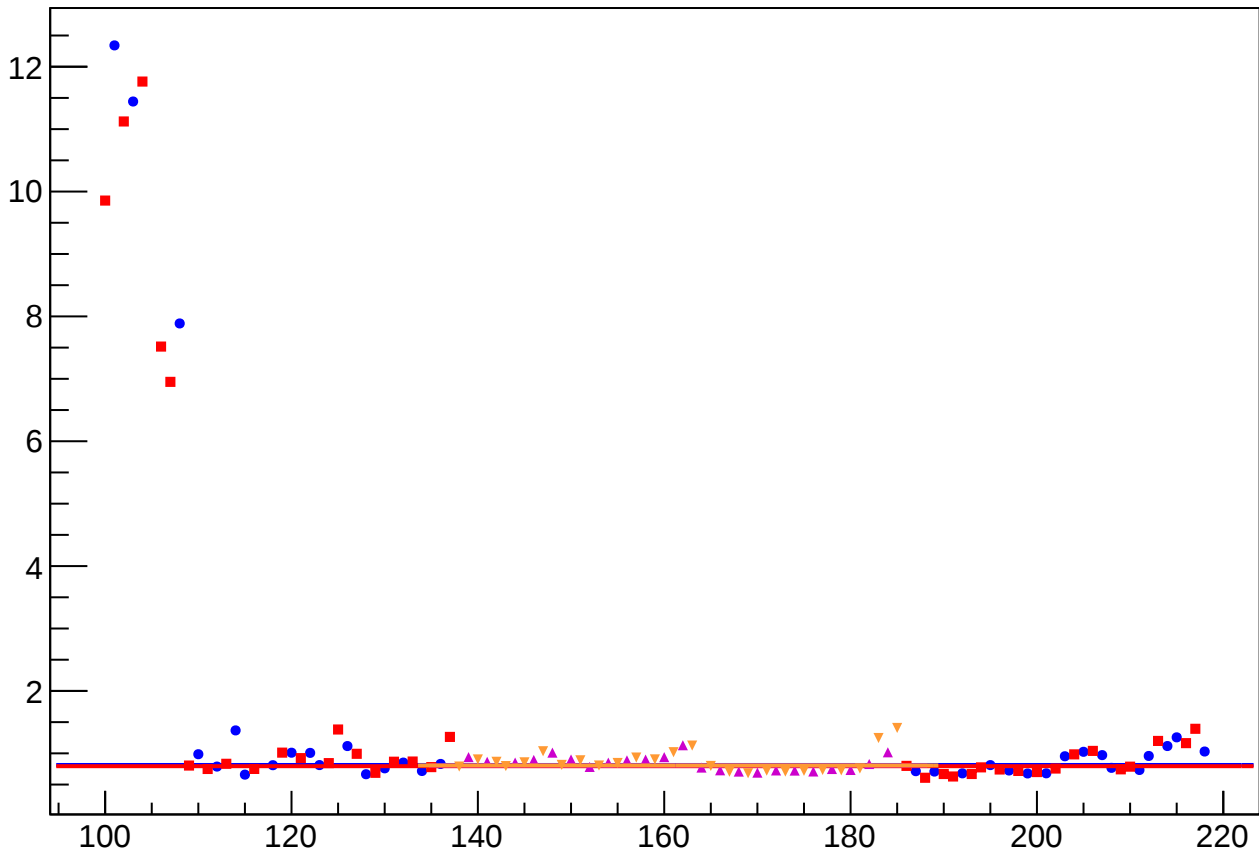
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 144.059+/-0.000 χ^2/NDF : 35190392037.3/57

All: 144.067+/-0.000 χ^2/NDF : 80328668634.0

- sign 144.075+/-0.000 χ^2/NDF : 45138270675.2/58

yield_bcm0l02_rms vs Slug



Right In: 0.814 ± 0.000 χ^2/NDF : 3363798.9/32

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.794 ± 0.000 χ^2/NDF : 3800553.5/35

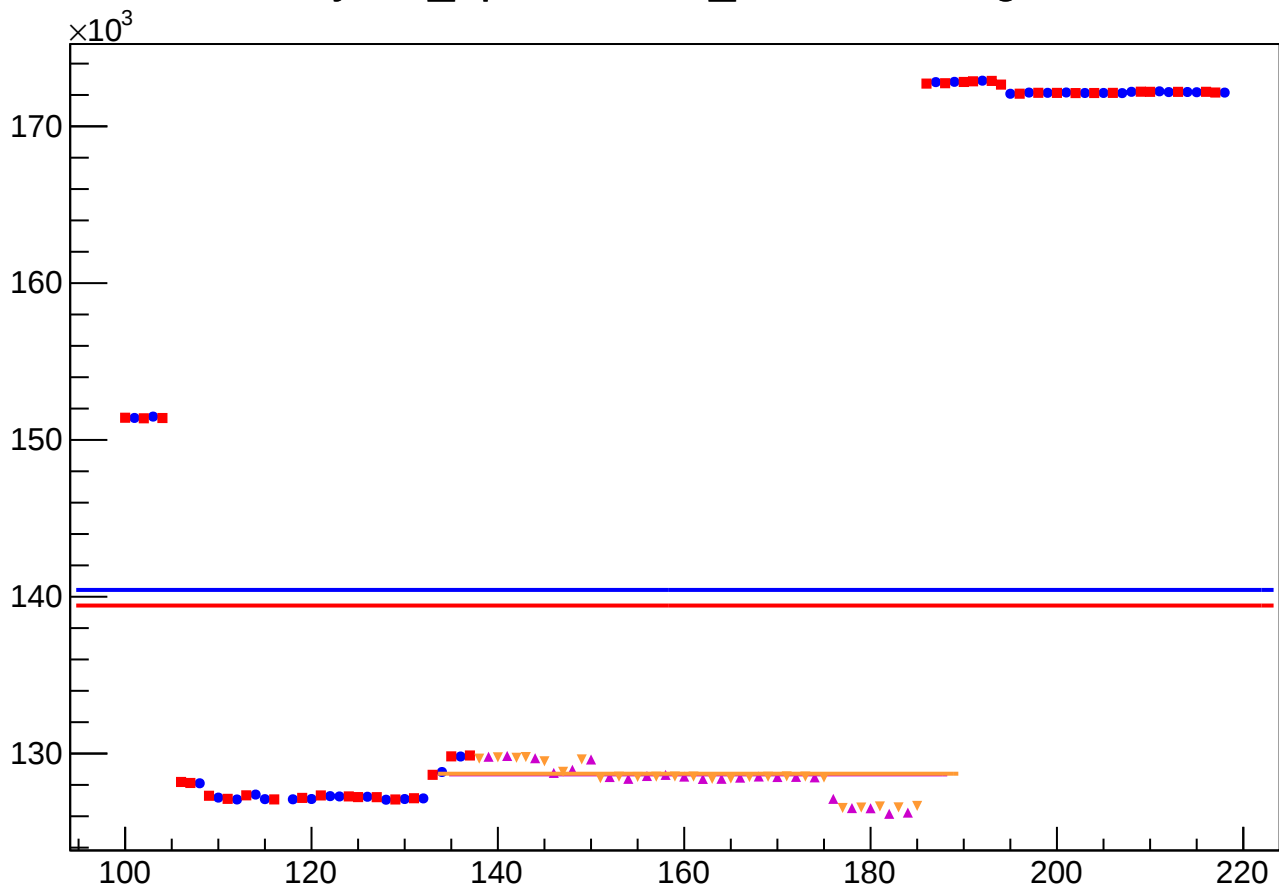
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.810 ± 0.000 χ^2/NDF : 4069049.0/57

All: 0.805 ± 0.000 χ^2/NDF : 8356401.0/116

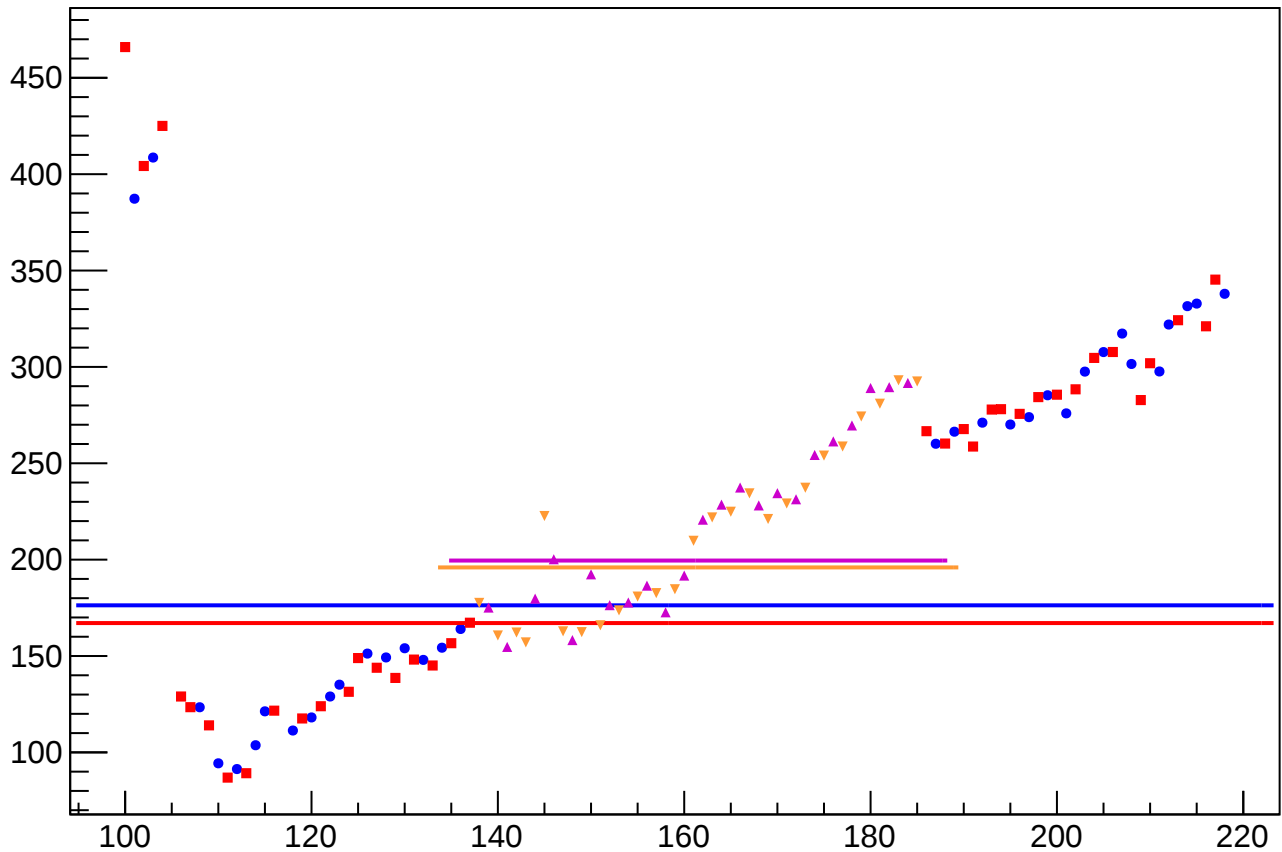
- sign 0.800 ± 0.000 χ^2/NDF : 4282611.1/58

yield_bpm2i01WS_mean vs Slug



Right In: 140434.746 $\pm$ 0.046 χ^2 /NDF: 188248920148.3/32
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 139438.497 $\pm$ 0.043 χ^2 /NDF: 205272901523.1/35
 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: 167.095 $\pm$ 0.031 χ^2 /NDF: 7199363.6/35

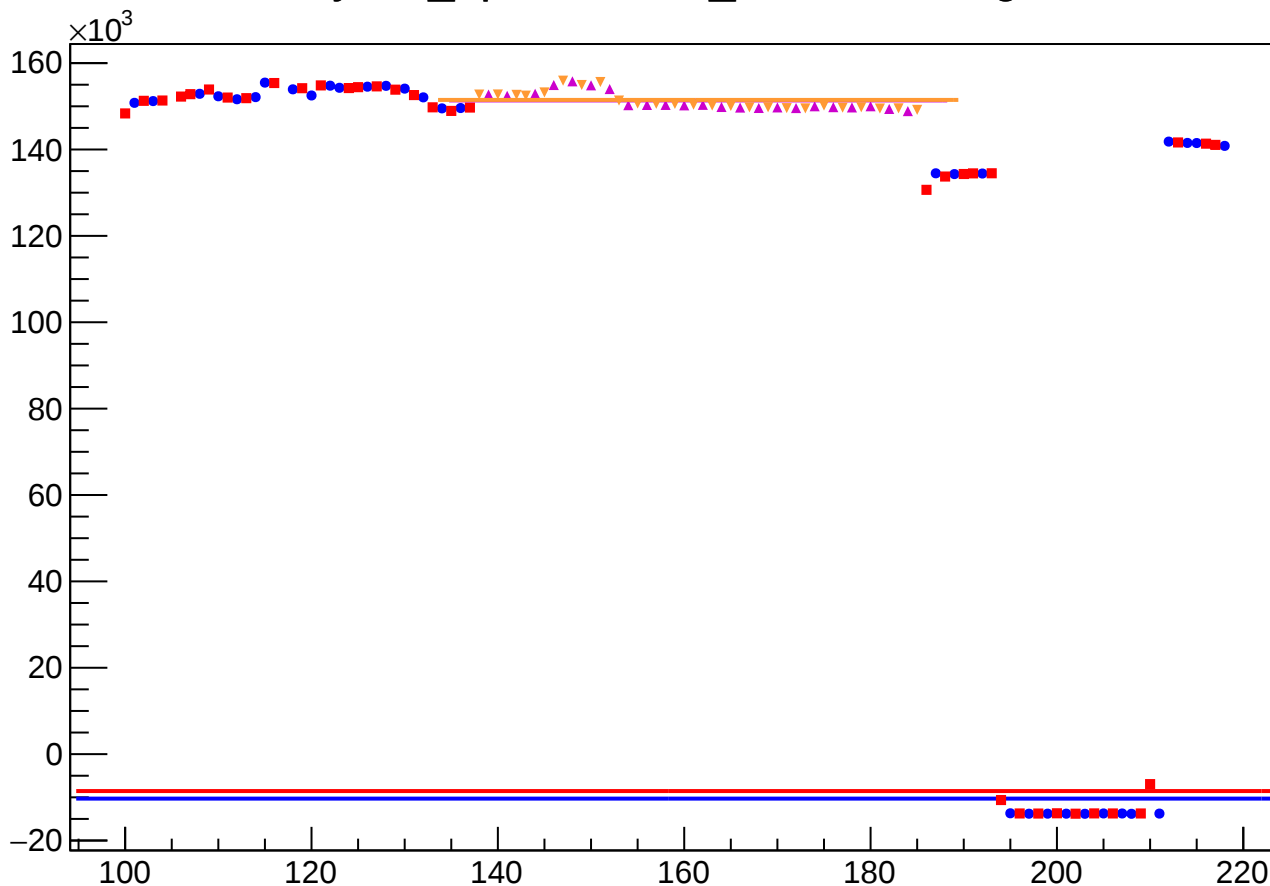
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 186.065 $\pm$ 0.023 χ^2 /NDF: 8255419.3/57

All: 183.699 $\pm$ 0.016 χ^2 /NDF: 17143859.9/1

- sign 181.397 $\pm$ 0.023 χ^2 /NDF: 8868007.1/58

yield_bpm0i07WS_mean vs Slug



Right In: -10297.072 ± 0.009

χ^2/NDF : 6559543902722.5/32

Left Out: 151480.339 ± 0.049

χ^2/NDF : 1483692735.3/24

Right Out: -8549.276 ± 0.010

χ^2/NDF : 7667544552353.8/35

Left In: 151362.440 ± 0.051

χ^2/NDF : 1426782789.9/22

+ sign -4905.444 ± 0.009

χ^2/NDF : 1689810980402

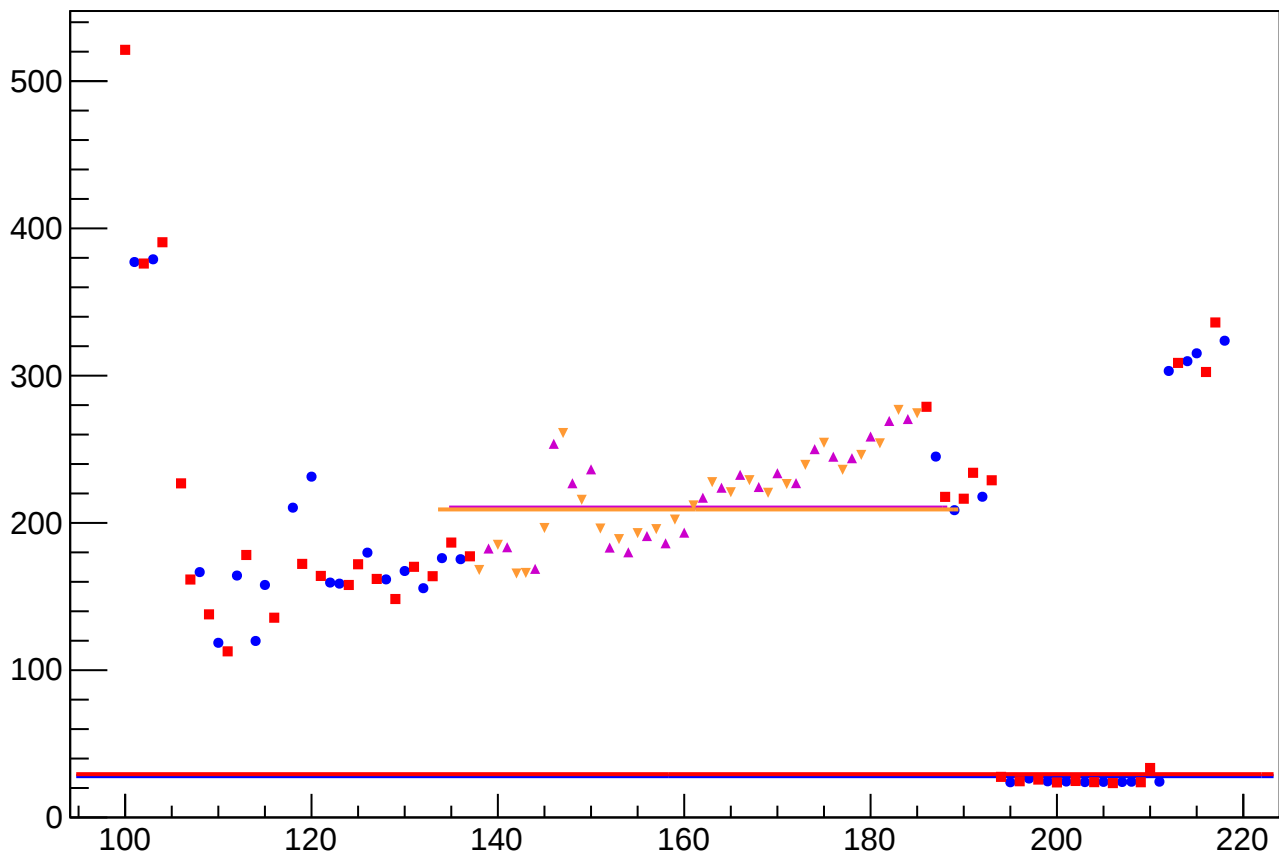
All: -3865.350 ± 0.007

χ^2/NDF : 3398111357

- sign -2626.085 ± 0.010

χ^2/NDF : 17053939070680

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: 29.396 ± 0.007 $\chi^2/\text{NDF}: 17153934.3/35$

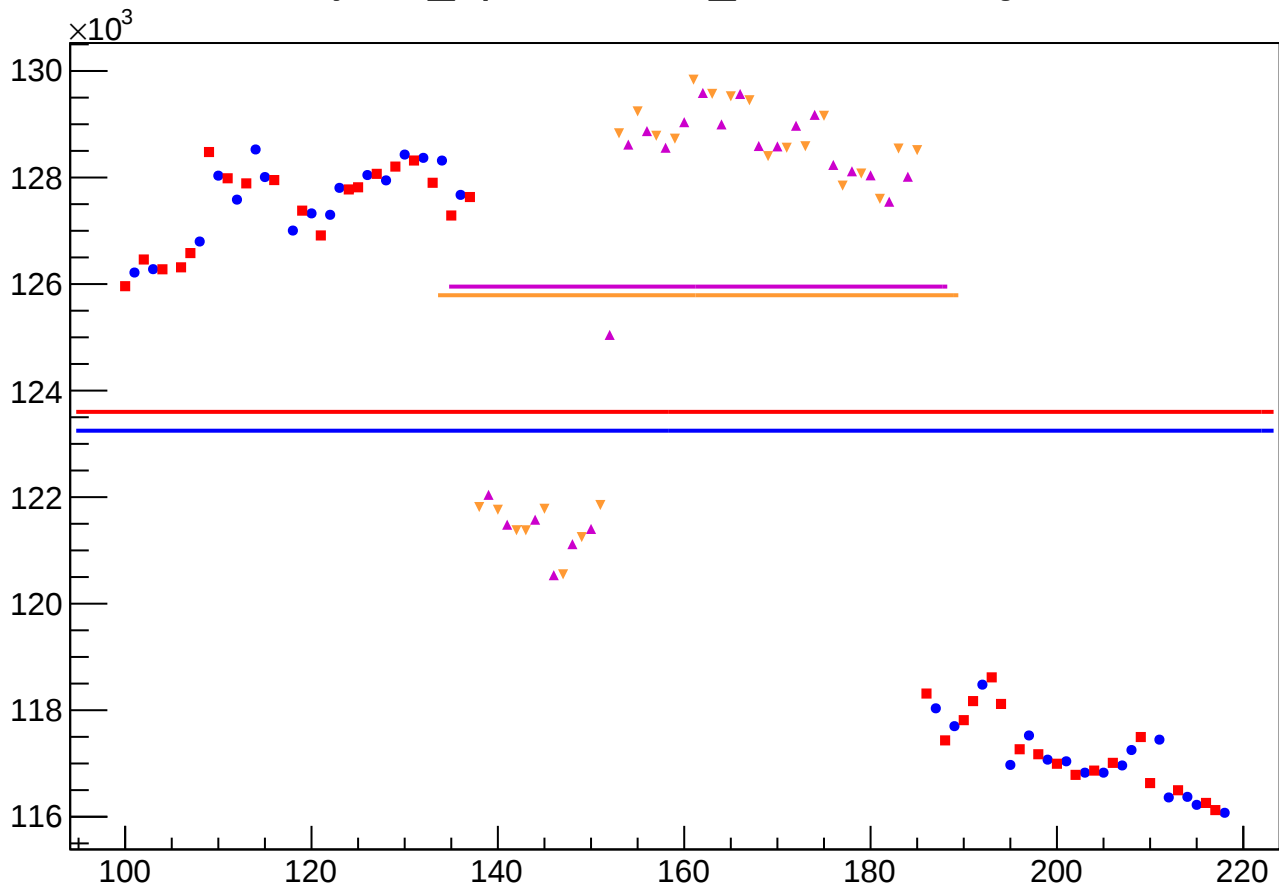
Left In: 210.431 ± 0.036 $\chi^2/\text{NDF}: 684015.0/22$

+ sign 34.072 ± 0.006 $\chi^2/\text{NDF}: 42962604.1/57$

All: 34.998 ± 0.005 $\chi^2/\text{NDF}: 84902742.4/116$

- sign 36.102 ± 0.007 $\chi^2/\text{NDF}: 41894022.6/58$

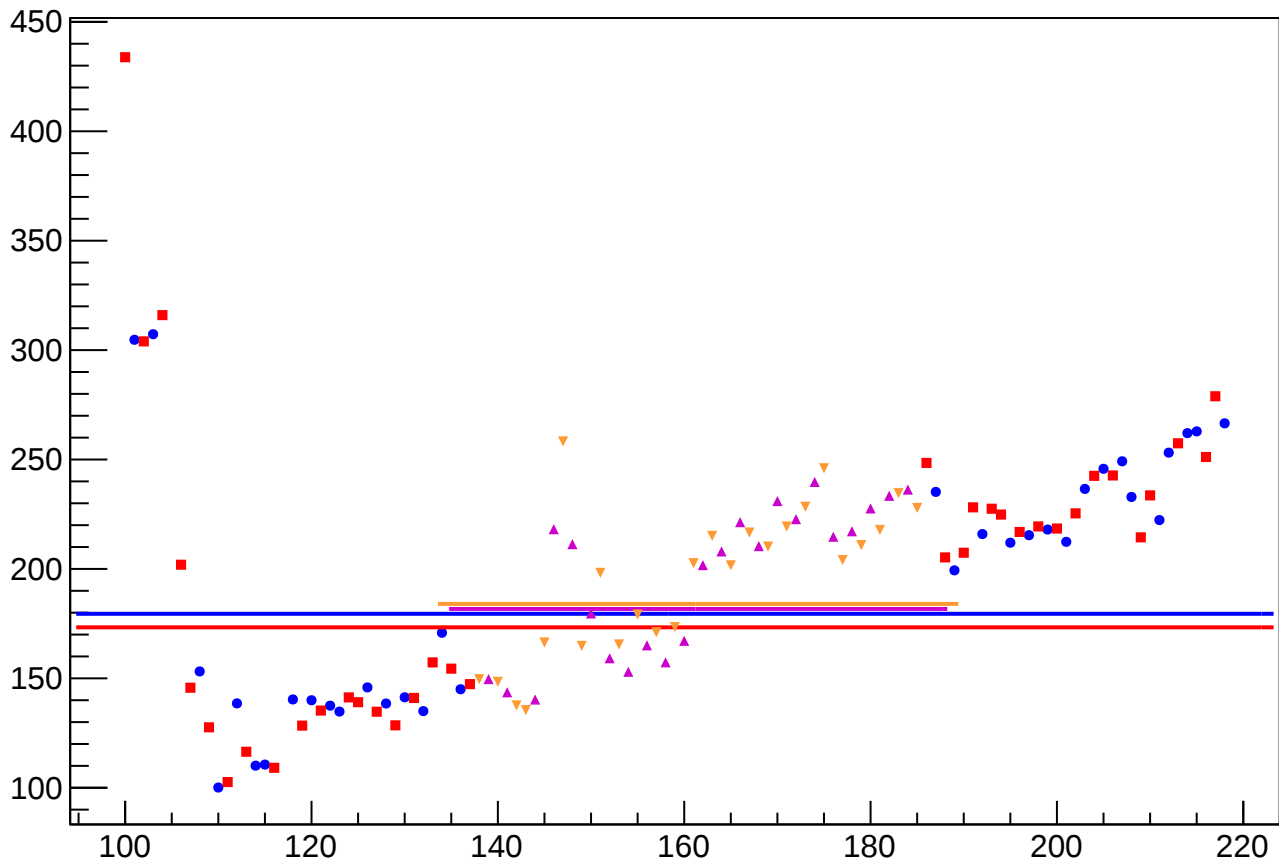
yield_bpm0l01WS_mean vs Slug



Right In: 123247.218 $\pm$ 0.044 χ^2 /NDF: 14084487429.5/32
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 123600.829 $\pm$ 0.042 χ^2 /NDF: 14724656479.5/35
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 124532.702 $\pm$ 0.031 χ^2 /NDF: 22483330512.3
 All: 124626.556 $\pm$ 0.022 χ^2 /NDF: 445233555
 - sign 124717.558 $\pm$ 0.031 χ^2 /NDF: 22022266145.3

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: 173.309+/-0.030 χ^2/NDF : 3354182.5/35

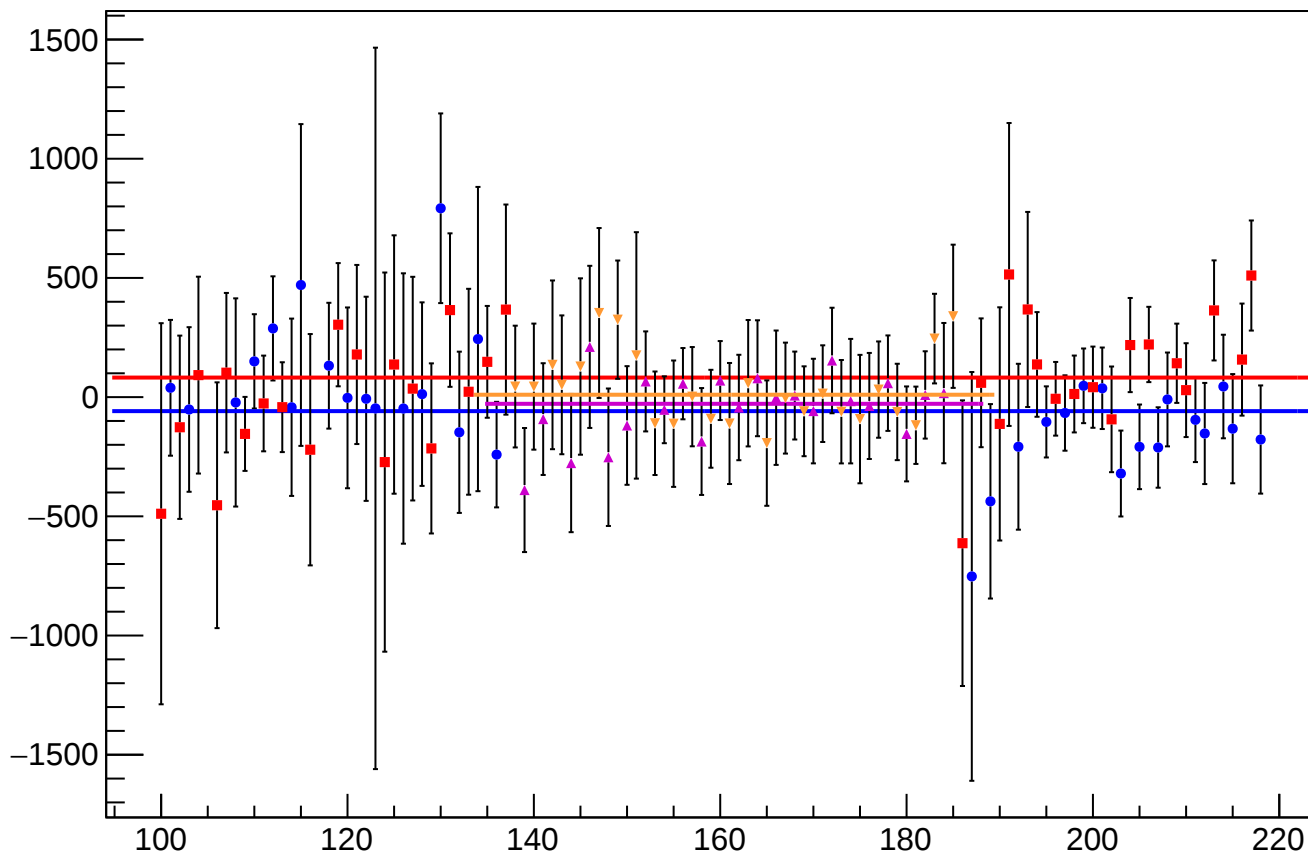
Left In: 181.714+/-0.032 χ^2/NDF :1116142.0/22

+ sign 181.788+/-0.022 χ^2/NDF : 4070636.2/57

All: 179.509+/-0.016 χ^2/NDF : 8599089.9/116

- sign 177.300+/-0.022 χ^2/NDF : 4507522.0/58

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: 82.029 ± 41.674 χ^2/NDF : 18.8/35

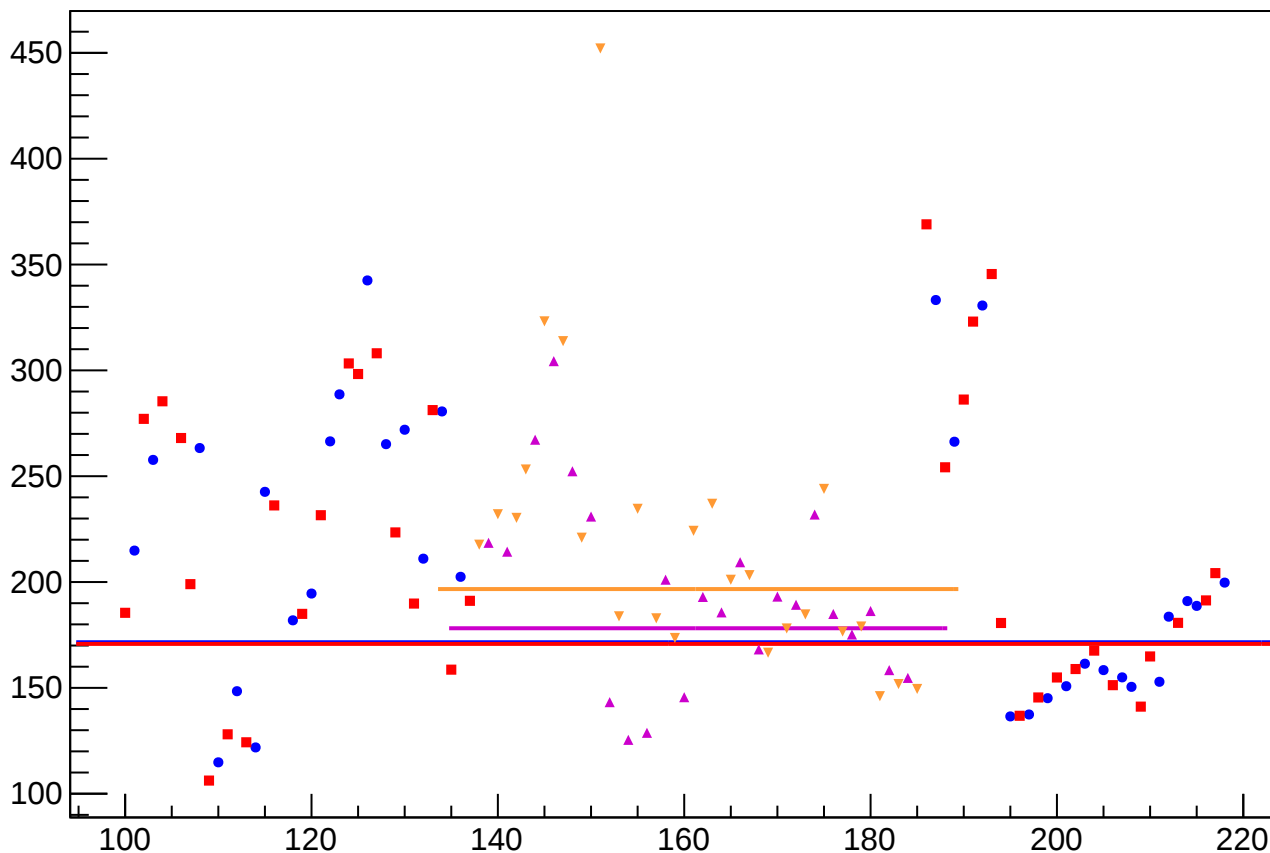
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -28.620 ± 31.415 χ^2/NDF : 27.3/57

All: 1.966 ± 21.861 χ^2/NDF : 58.2/116

- sign 30.685 ± 30.441 χ^2/NDF : 29.1/58

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: 170.777 $\pm$ 0.029 χ^2 /NDF: 2907033.8/35

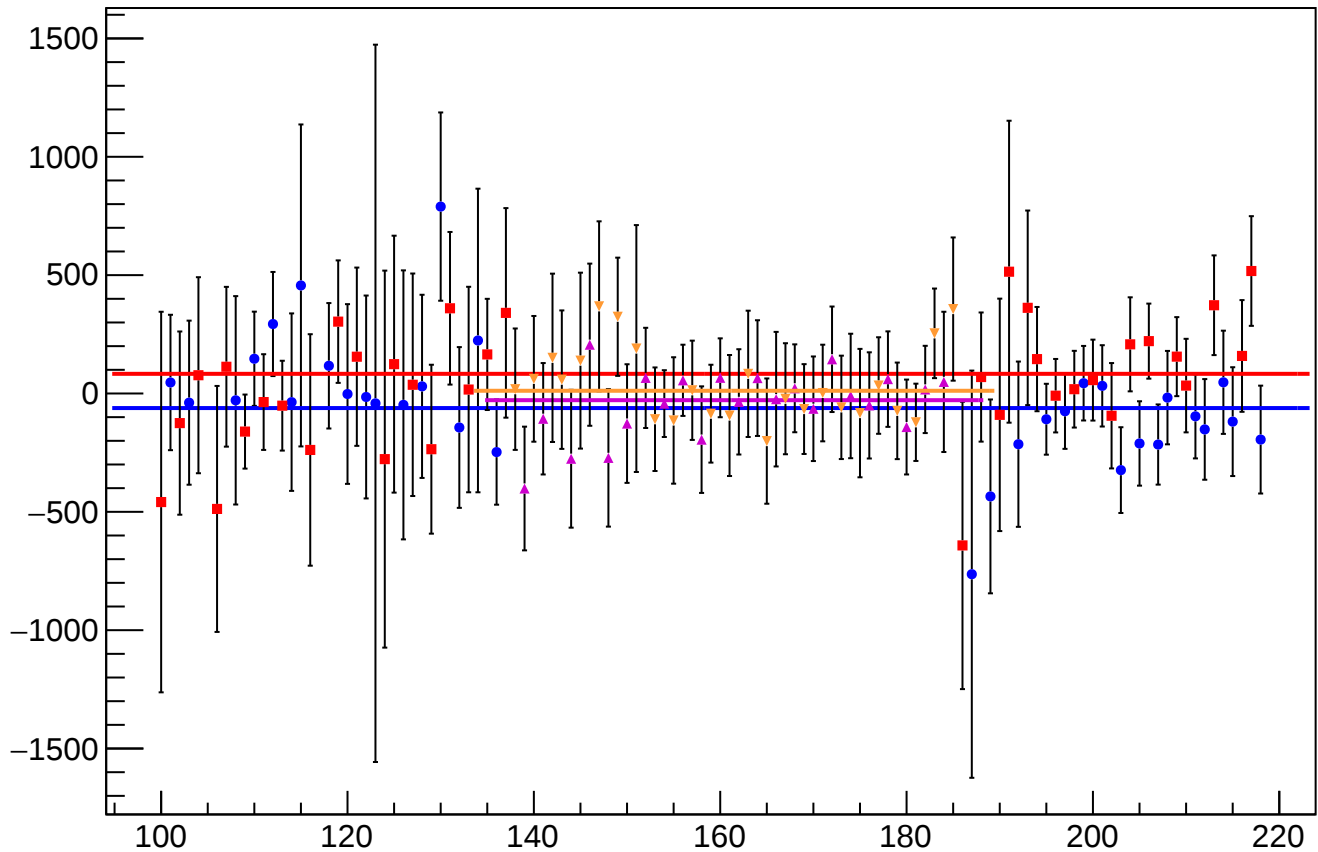
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 182.548 $\pm$ 0.022 χ^2 /NDF: 4308132.5/57

All: 178.255 $\pm$ 0.015 χ^2 /NDF: 8935888.5/116

- sign 174.223 $\pm$ 0.022 χ^2 /NDF: 4555323.3/58

asym_bcm_an_ds3_mean vs Slug



Right In: -61.572 ± 42.080 χ^2/NDF : 17.6/32

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 83.044 ± 41.873 χ^2/NDF : 19.3/35

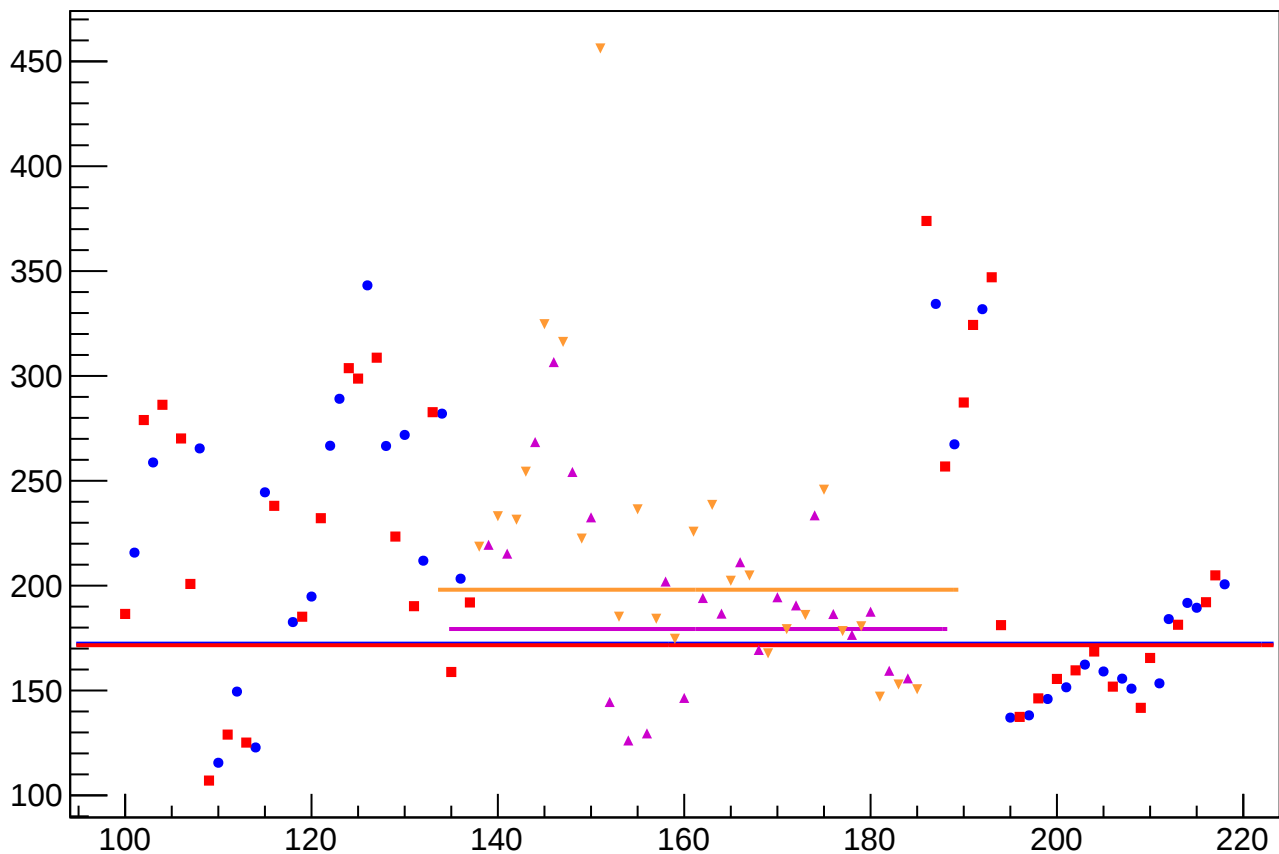
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -29.692 ± 31.590 χ^2/NDF : 27.8/57

All: 1.720 ± 21.983 χ^2/NDF : 59.4/116

- sign 31.215 ± 30.611 χ^2/NDF : 29.7/58

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: 171.605 $\pm$ 0.030 χ^2 /NDF: 2901978.4/35

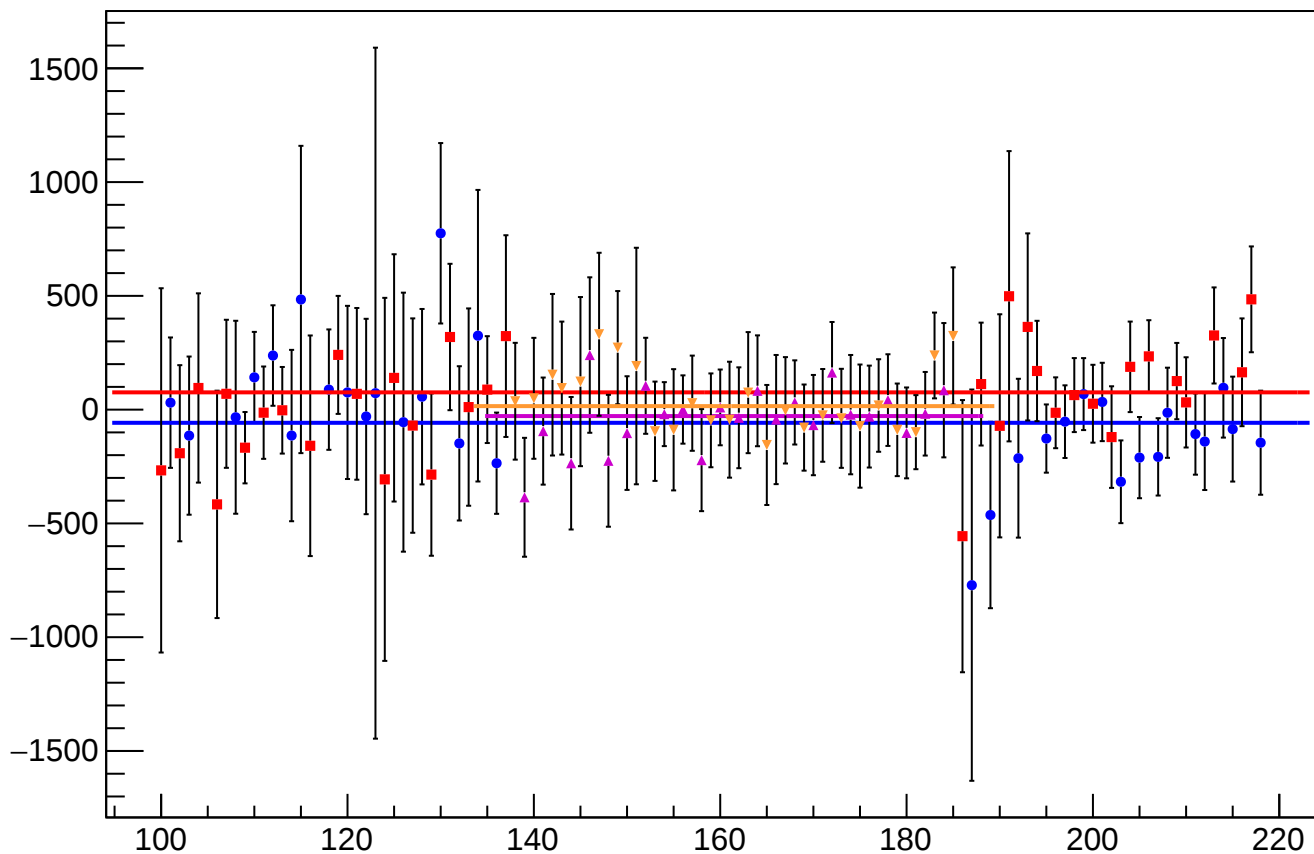
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 183.566 $\pm$ 0.022 χ^2 /NDF: 4306037.2/57

All: 179.251 $\pm$ 0.016 χ^2 /NDF: 8930279.9/116

- sign 175.199 $\pm$ 0.022 χ^2 /NDF: 4551882.8/58

asym_bcm_an_us_mean vs Slug



Right In: -57.844 ± 42.167 χ^2/NDF : 17.1/32

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 75.933 ± 41.911 χ^2/NDF : 16.9/35

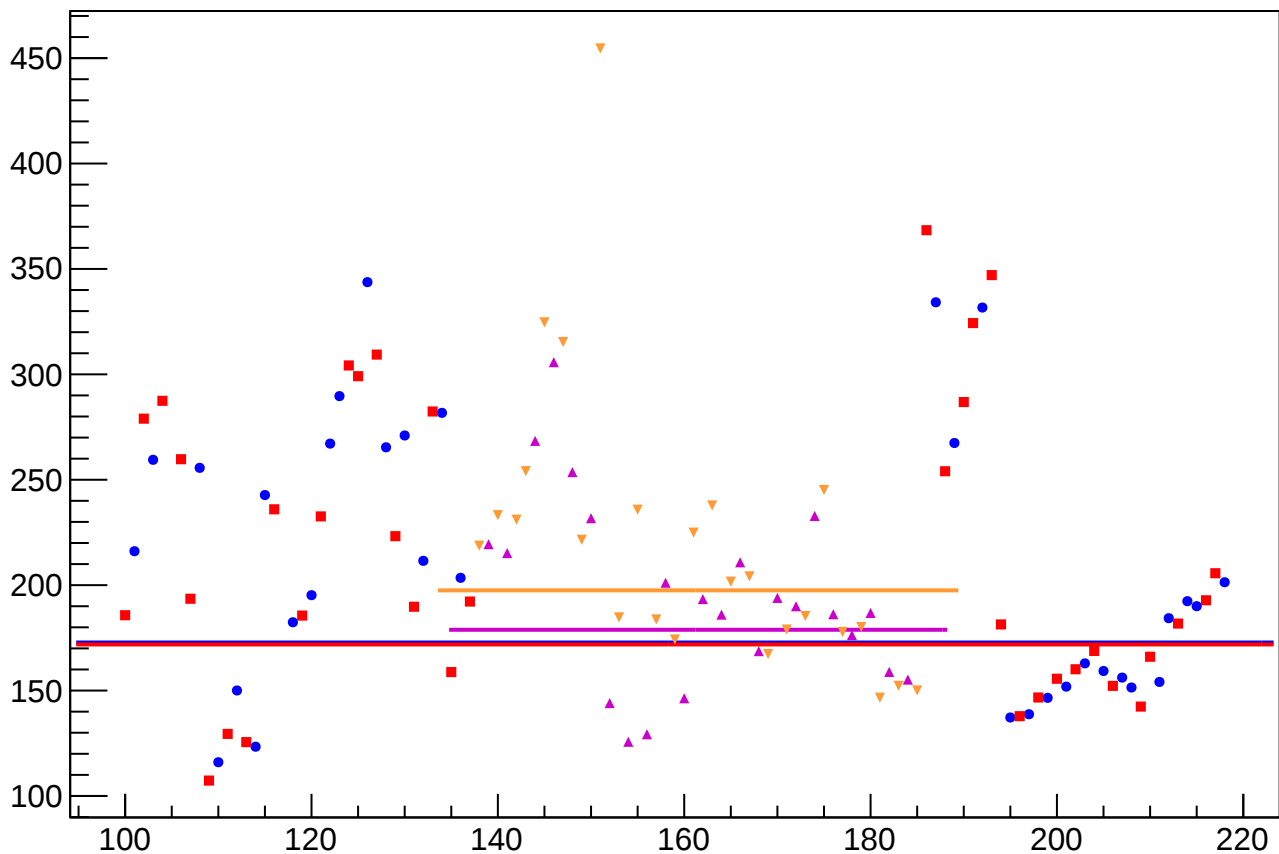
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign -25.694 ± 31.591 χ^2/NDF : 25.4/57

All: 1.622 ± 21.975 χ^2/NDF : 53.0/116

- sign 27.231 ± 30.588 χ^2/NDF : 26.2/58

asym_bcm_an_us_rms vs Slug



Right In: 172.783 ± 0.030 χ^2/NDF : 2169586.8/32

Left Out: 197.527 ± 0.034 χ^2/NDF : 1784225.5/24

Right Out: 171.873 ± 0.030 χ^2/NDF : 2855966.2/35

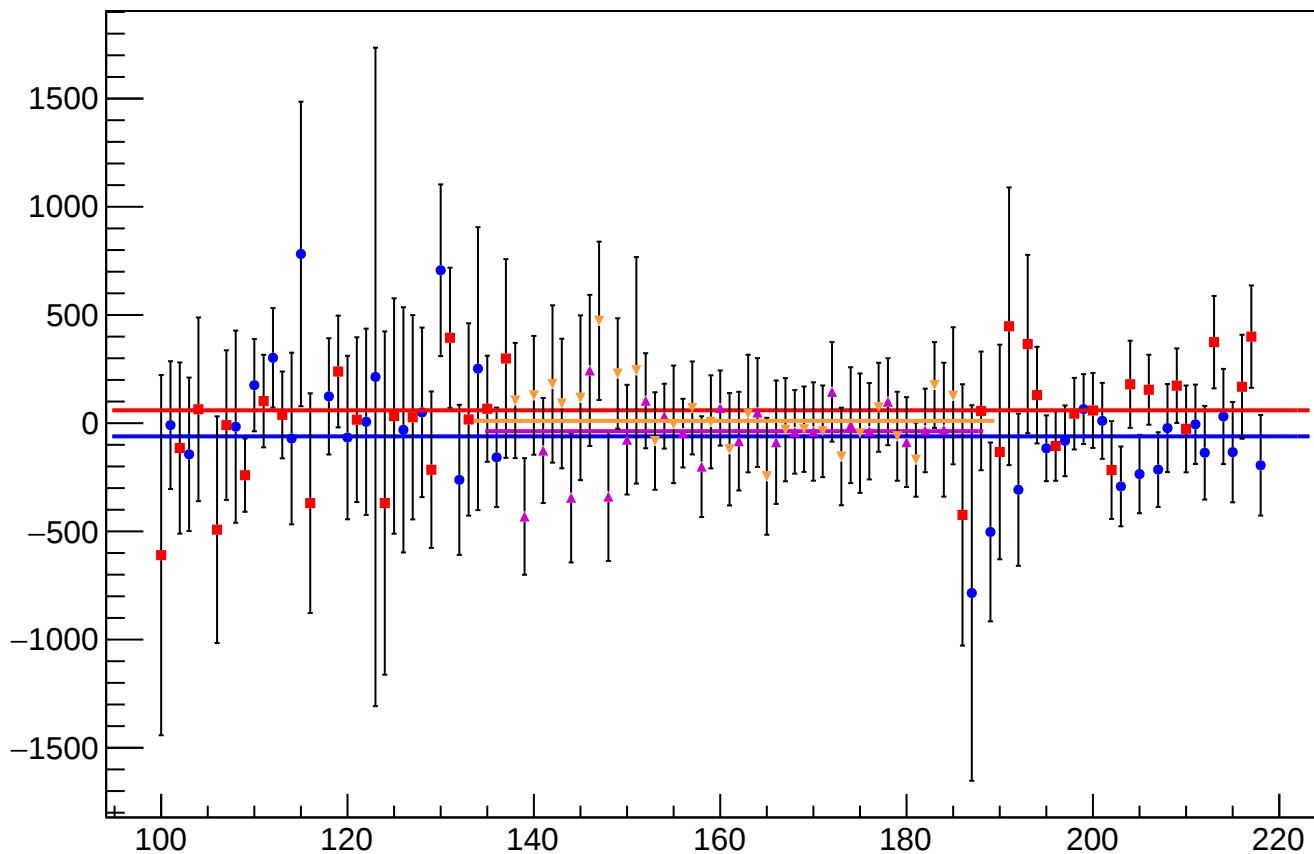
Left In: 178.836 ± 0.032 χ^2/NDF : 1622266.9/22

+ sign 183.639 ± 0.022 χ^2/NDF : 4255956.6/57

All: 179.246 ± 0.016 χ^2/NDF : 8834920.6/116

- sign 175.127 ± 0.022 χ^2/NDF : 4504027.3/58

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: 59.623 ± 42.987 χ^2/NDF : 18.7/35

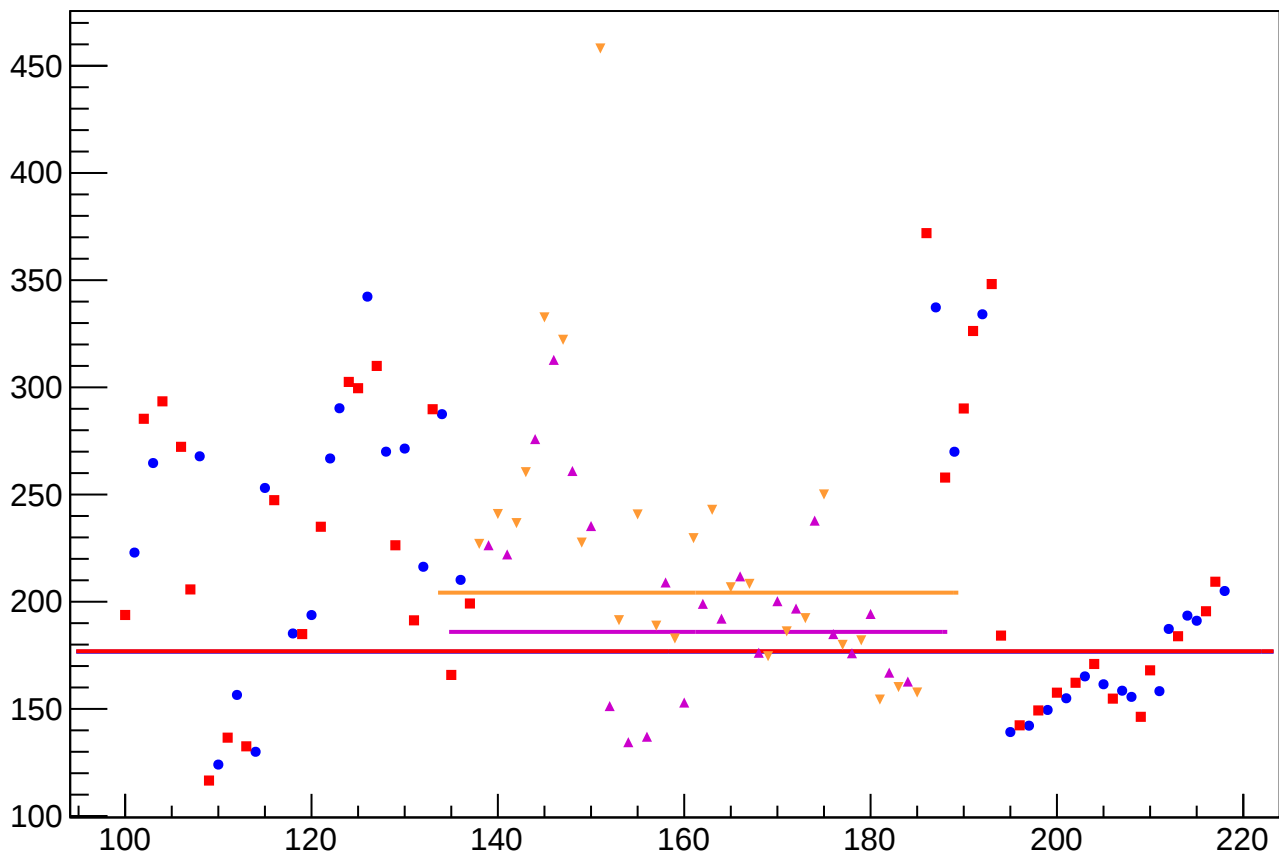
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -29.940 ± 32.401 χ^2/NDF : 26.4/57

All: -6.876 ± 22.593 χ^2/NDF : 56.4/116

- sign 14.952 ± 31.521 χ^2/NDF : 29.0/58

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: 176.909 $\pm$ 0.030 χ^2 /NDF: 2664862.9/35

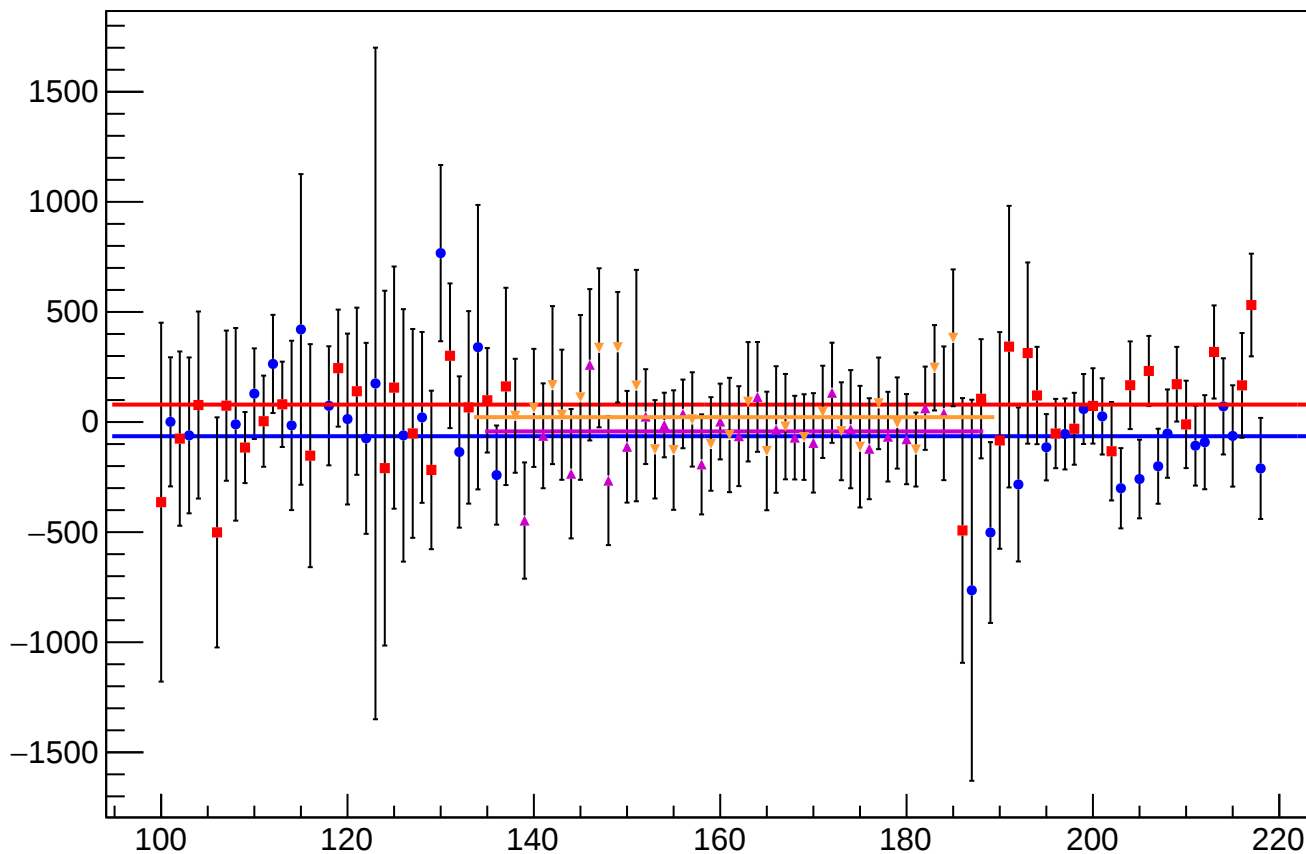
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 188.641 $\pm$ 0.023 χ^2 /NDF: 4114156.5/57

All: 184.757 $\pm$ 0.016 χ^2 /NDF: 8335764.9/116

- sign 181.080 $\pm$ 0.022 χ^2 /NDF: 4165660.6/58

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: 79.213 ± 42.335 χ^2/NDF : 15.7/35

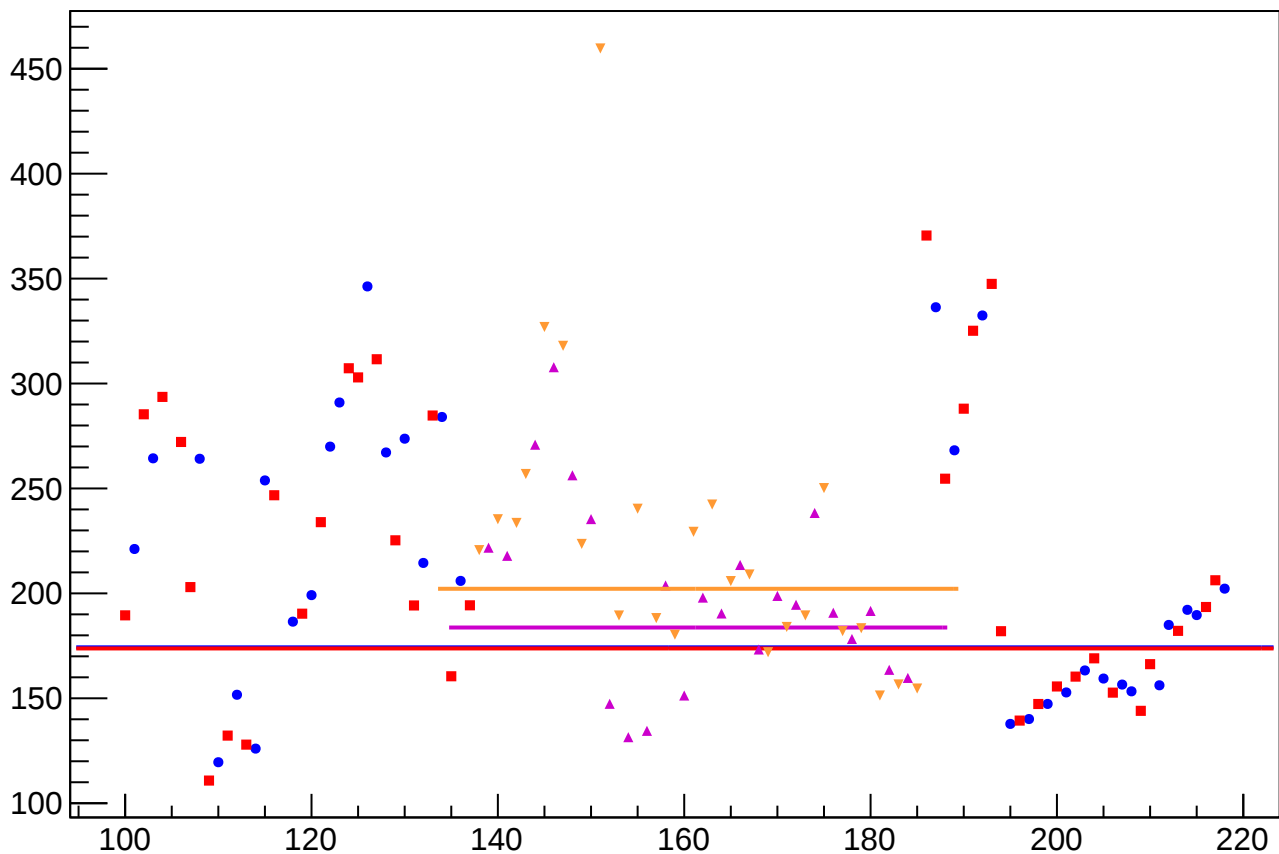
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -26.957 ± 32.043 χ^2/NDF : 27.1/57

All: -1.115 ± 22.320 χ^2/NDF : 54.6/116

- sign 23.239 ± 31.107 χ^2/NDF : 26.2/58

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: 173.755 $\pm$ 0.030 χ^2 /NDF: 2829165.1/35

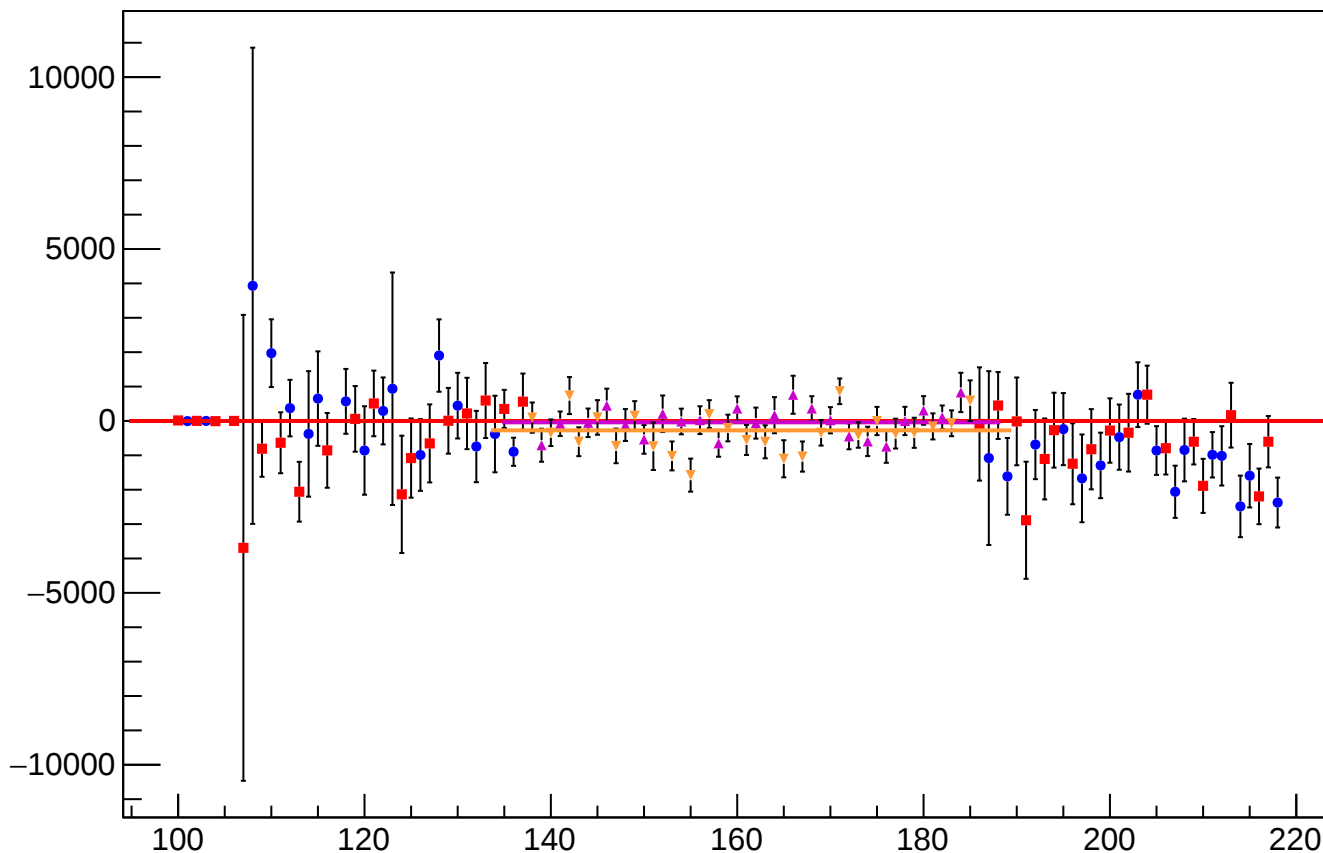
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 186.348 $\pm$ 0.023 χ^2 /NDF: 4237479.4/57

All: 182.228 $\pm$ 0.016 χ^2 /NDF: 8677896.7/116

- sign 178.346 $\pm$ 0.022 χ^2 /NDF: 4376199.1/58

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: -0.787 ± 2.111 χ^2/NDF : 40.6/35

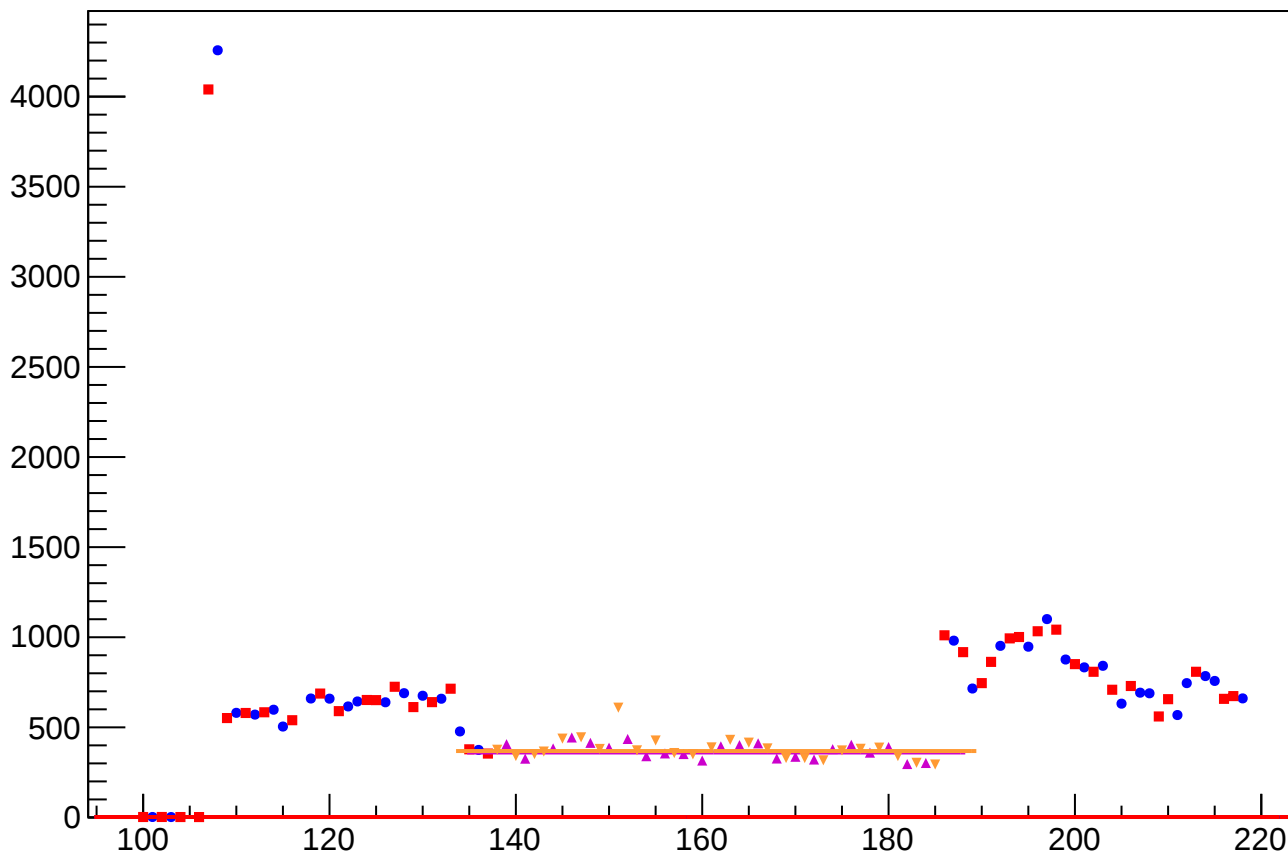
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.832 ± 2.251 χ^2/NDF : 106.9/57

All: -1.288 ± 1.539 χ^2/NDF : 167.9/116

- sign -0.810 ± 2.110 χ^2/NDF : 60.9/58

asym_cav4bQ_rms vs Slug



Right In: 2.530 ± 0.002 χ^2/NDF : 33296484.7/32

Left Out: 368.500 ± 0.061 χ^2/NDF : 623011.6/24

Right Out: 2.501 ± 0.001 χ^2/NDF : 34077991.1/35

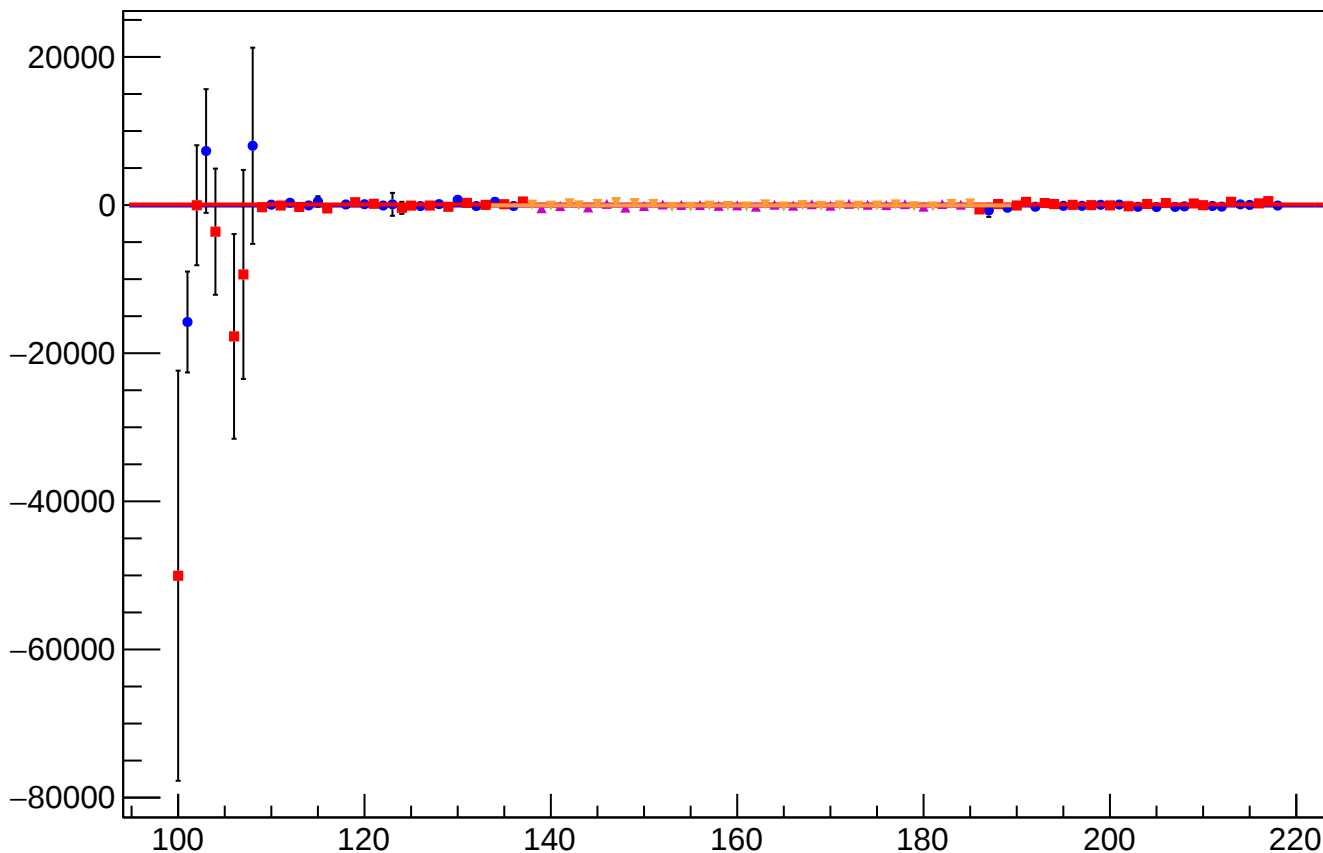
Left In: 360.571 ± 0.062 χ^2/NDF : 421995.5/22

+ sign 2.776 ± 0.002 χ^2/NDF : 69392333.2/57

All: 2.741 ± 0.001 χ^2/NDF : 137389536.7/116

- sign 2.709 ± 0.001 χ^2/NDF : 67996265.0/58

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: 79.877 $\pm$ 46.635 χ^2 /NDF: 28.4/35

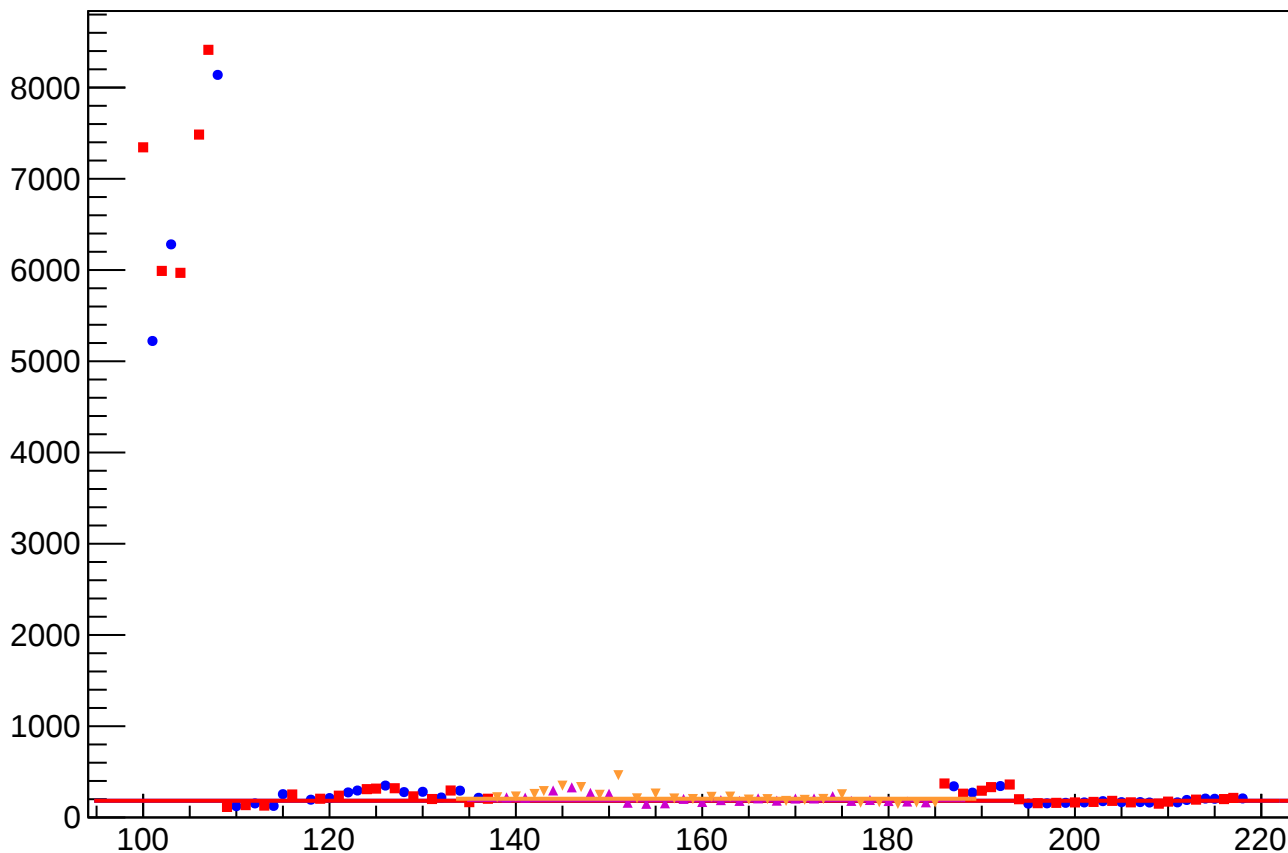
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -49.180 $\pm$ 33.812 χ^2 /NDF: 30.7/57

All: -10.437 $\pm$ 23.783 χ^2 /NDF: 73.9/116

- sign 27.501 $\pm$ 33.459 χ^2 /NDF: 40.6/58

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: 183.027 $\pm$ 0.033 χ^2 /NDF: 5472968.4/35

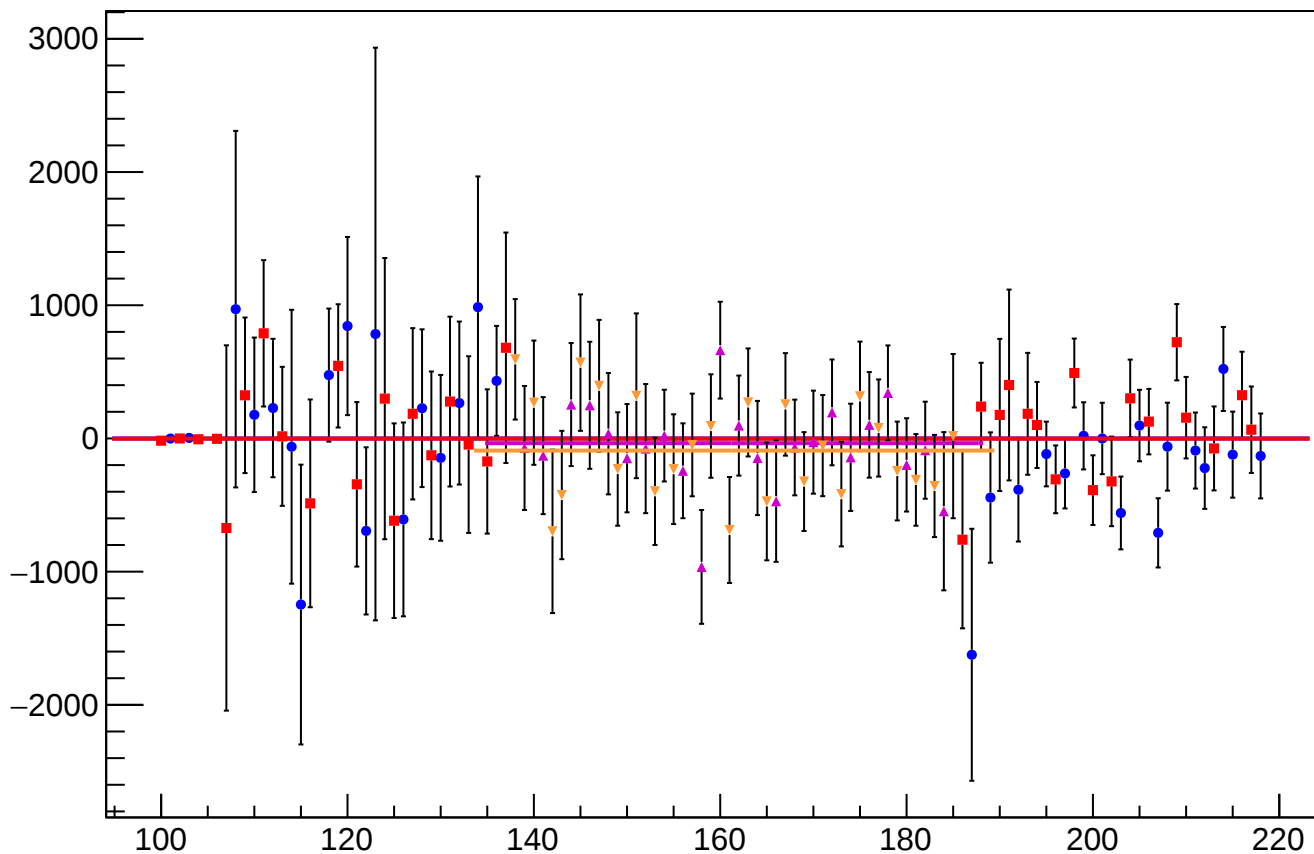
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 193.152 $\pm$ 0.024 χ^2 /NDF: 6778263.6/57

All: 190.632 $\pm$ 0.017 χ^2 /NDF: 13502717.3/13

- sign 188.165 $\pm$ 0.024 χ^2 /NDF: 6702475.5/58

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: -1.278 ± 1.622 χ^2/NDF : 29.1/35

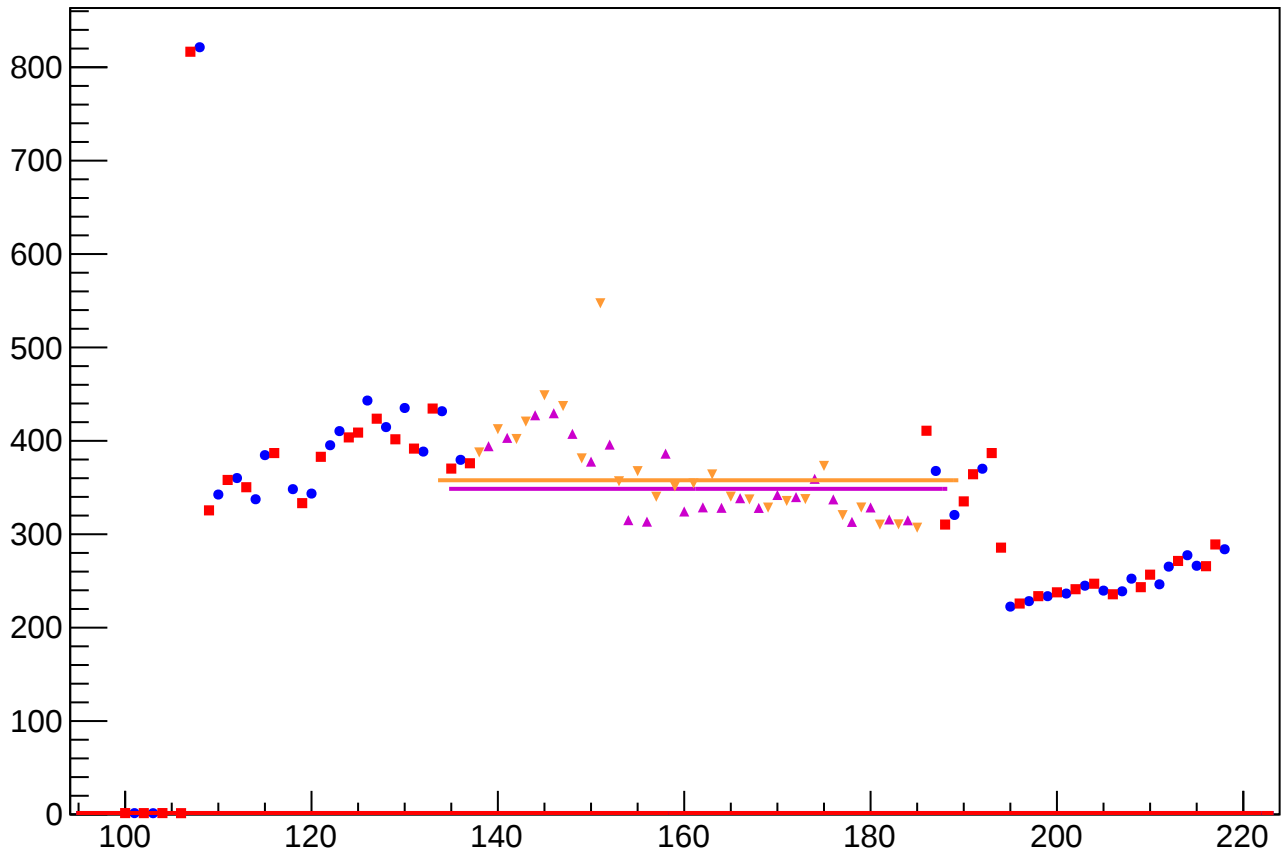
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.269 ± 1.736 χ^2/NDF : 49.2/57

All: -0.814 ± 1.185 χ^2/NDF : 92.0/116

- sign -1.291 ± 1.622 χ^2/NDF : 42.7/58

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: 1.564 ± 0.001 $\chi^2/\text{NDF}: 33740125.6/35$

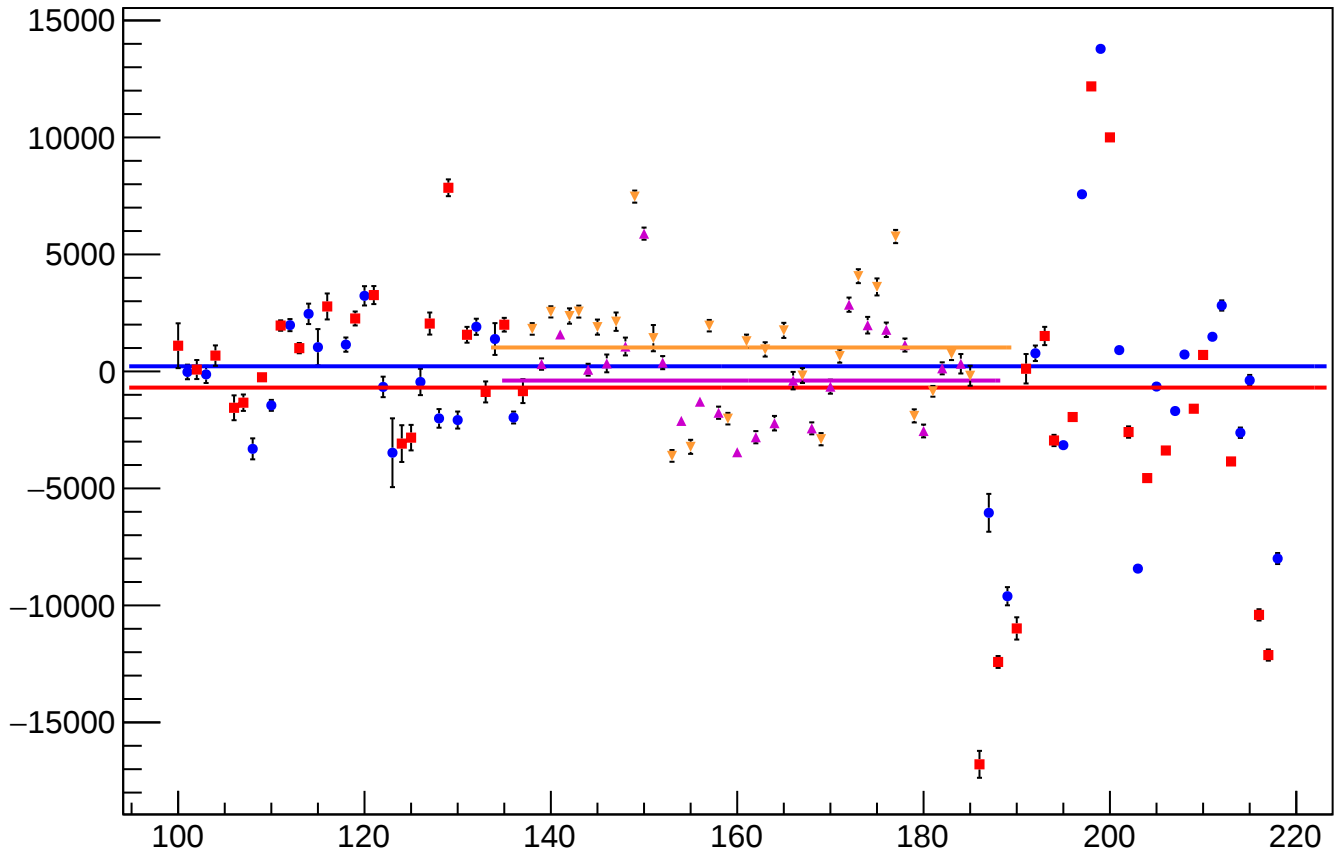
Left In: 348.611 ± 0.060 $\chi^2/\text{NDF}: 362511.2/22$

+ sign 1.738 ± 0.001 $\chi^2/\text{NDF}: 69924072.1/57$

All: 1.713 ± 0.001 $\chi^2/\text{NDF}: 137845051.9/116$

- sign 1.692 ± 0.001 $\chi^2/\text{NDF}: 67920243.7/58$

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: -690.901 $\pm$ 45.431 χ^2 /NDF: 17900.5/35

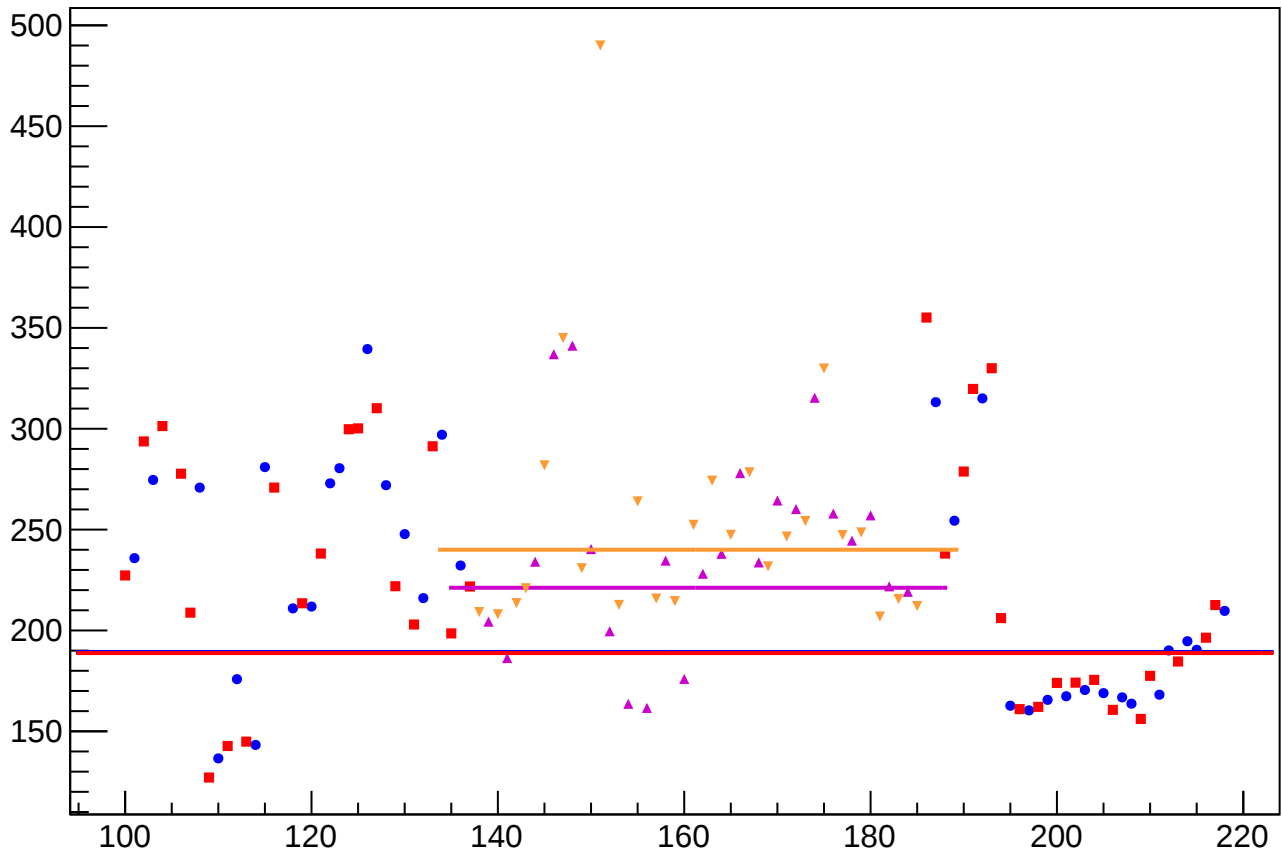
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 532.095 $\pm$ 35.767 χ^2 /NDF: 15051.7/57

All: -30.139 $\pm$ 25.019 χ^2 /NDF: 35038.8/116

- sign -568.778 $\pm$ 35.009 χ^2 /NDF: 19503.2/58

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: 188.795 $\pm$ 0.032 χ^2 /NDF: 2144978.1/35

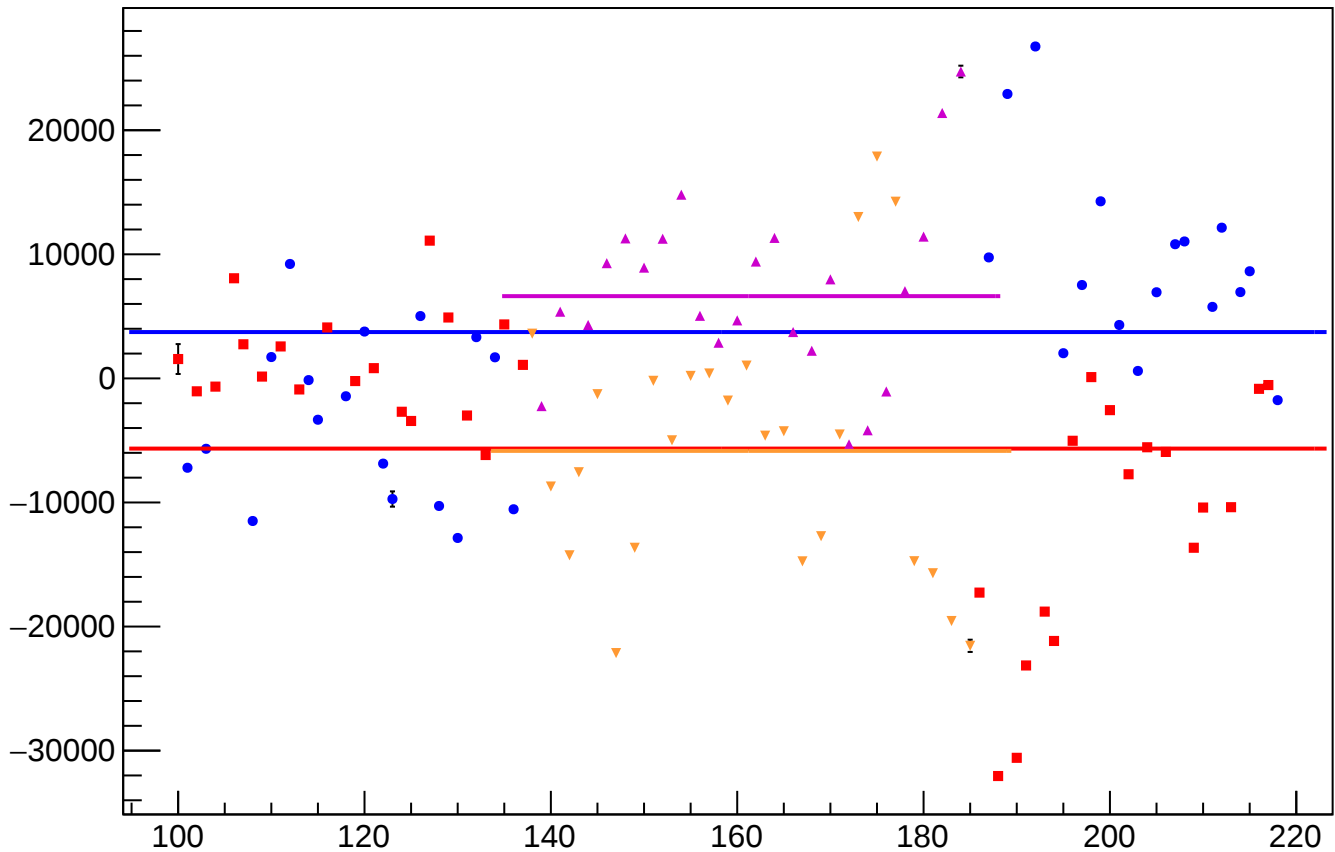
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 209.056 $\pm$ 0.025 χ^2 /NDF: 3517043.0/57

All: 205.425 $\pm$ 0.018 χ^2 /NDF: 7457526.6/116

- sign 201.946 $\pm$ 0.025 χ^2 /NDF: 3900116.9/58

asym_bpm2i01WS_mean vs Slug



Right In: 3733.894+/-33.368 χ^2/NDF : 85066.6/32

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5657.369+/-32.109 χ^2/NDF : 105668.6/35

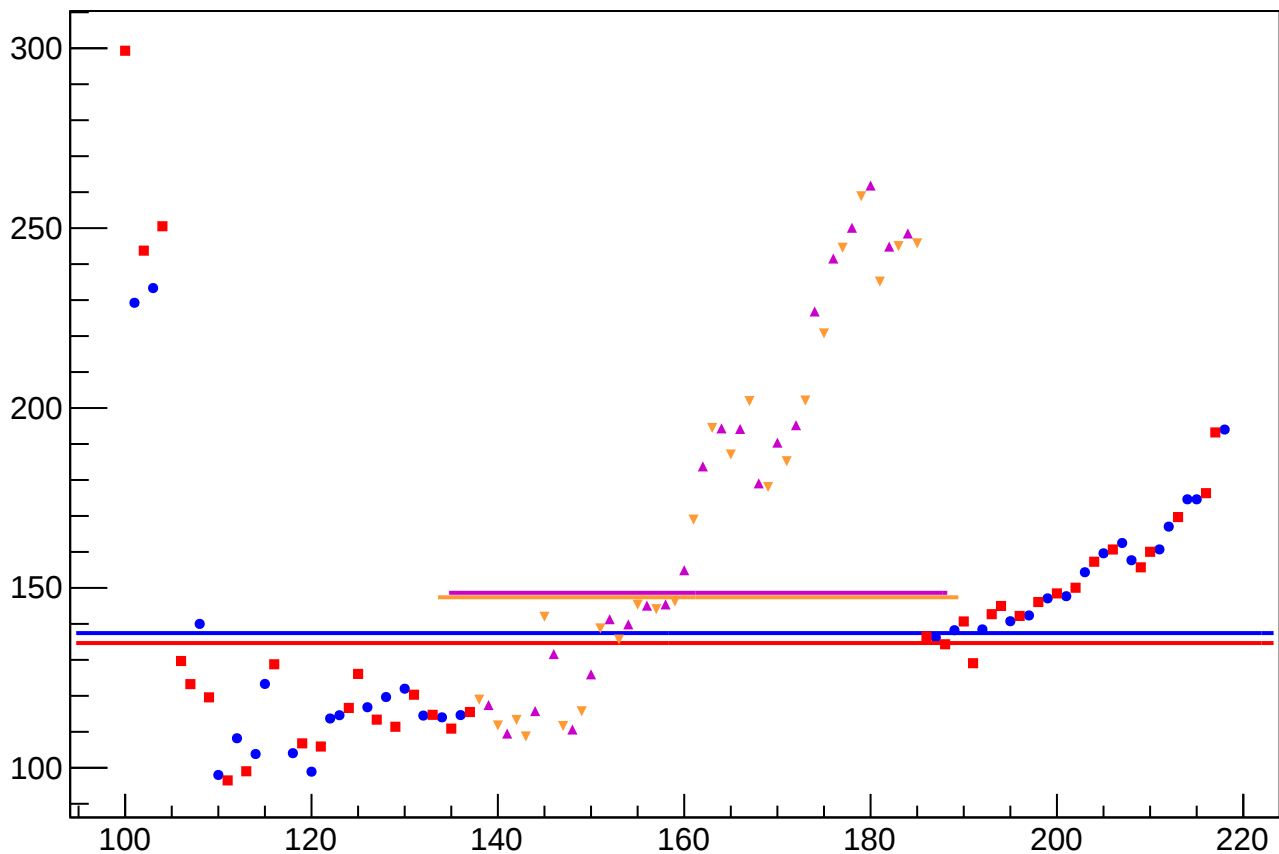
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -711.277+/-24.424 χ^2/NDF : 186692.3/57

All: -557.678+/-17.225 χ^2/NDF : 376760.4/11

- sign -405.698+/-24.295 χ^2/NDF : 189989.4/58

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: 134.678+/-0.023 χ^2/NDF : 1457677.6/35

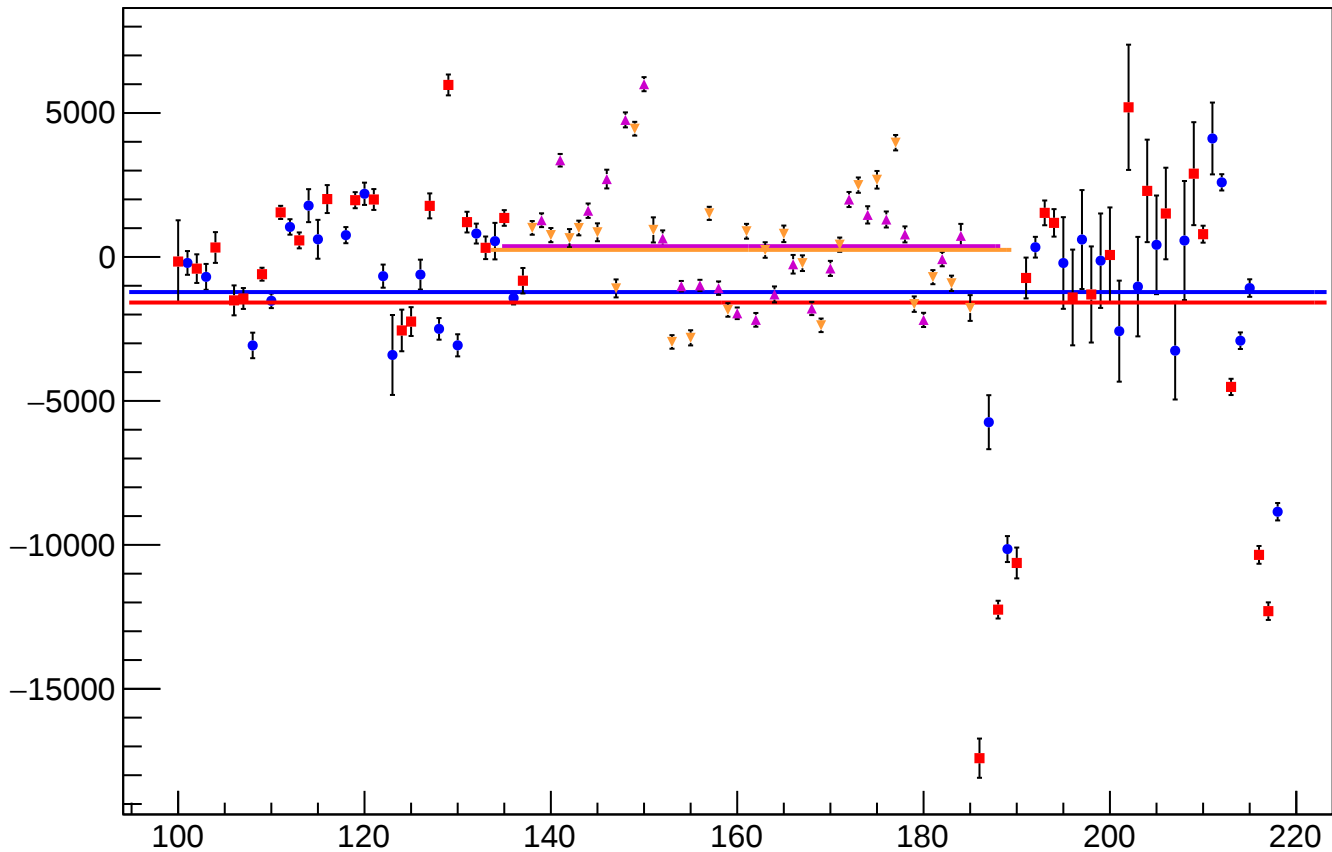
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 142.065+/-0.017 χ^2/NDF : 4017534.8/57

All: 141.352+/-0.012 χ^2/NDF : 8055820.0/116

- sign 140.647+/-0.017 χ^2/NDF : 4034900.5/58

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: -1582.746 ± 66.910 $\chi^2/\text{NDF}: 5652.1/35$

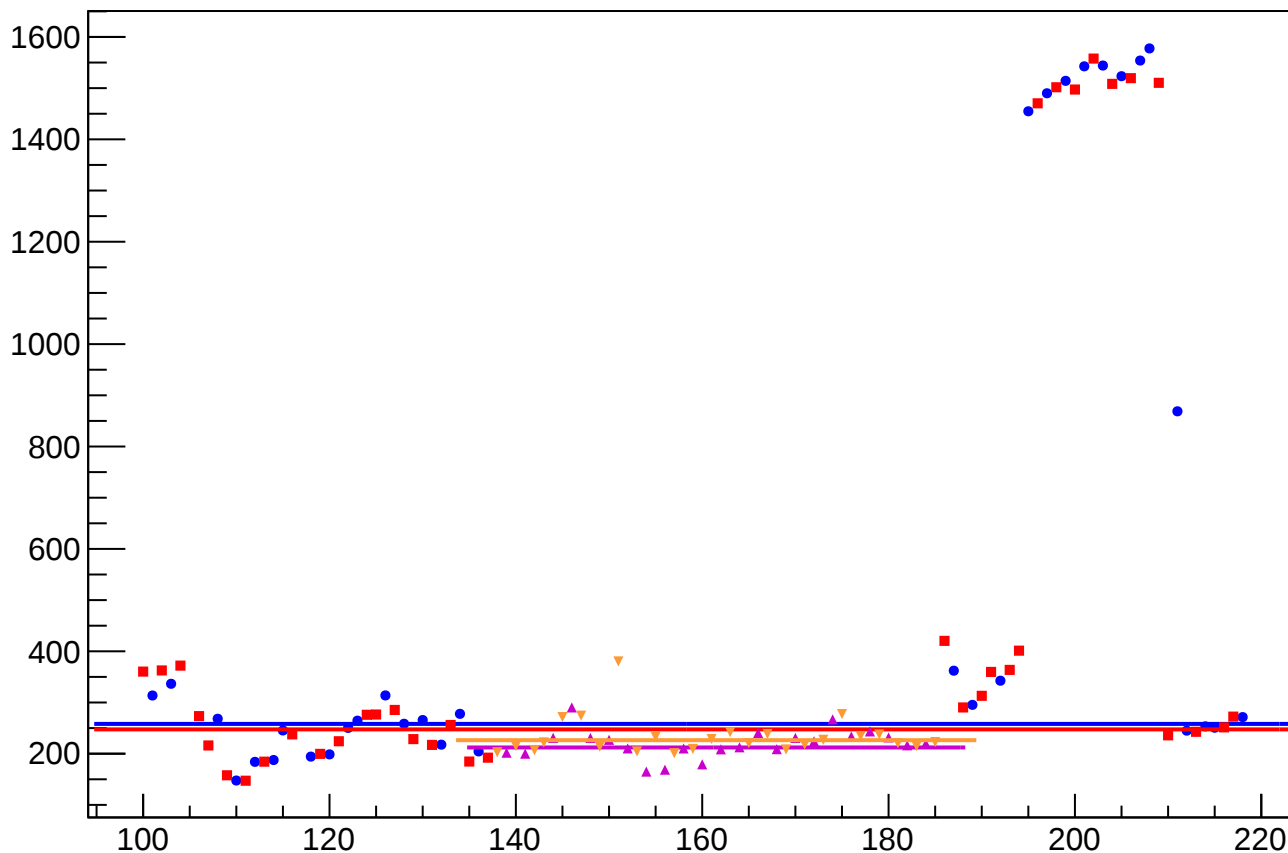
Left In: 374.465 ± 51.892 $\chi^2/\text{NDF}: 1798.3/22$

+ sign -267.206 ± 43.114 $\chi^2/\text{NDF}: 3272.2/57$

All: -316.258 ± 29.713 $\chi^2/\text{NDF}: 11259.3/116$

- sign -360.629 ± 41.005 $\chi^2/\text{NDF}: 7984.7/58$

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: 247.466+/-0.047 χ^2/NDF : 9287288.2/35

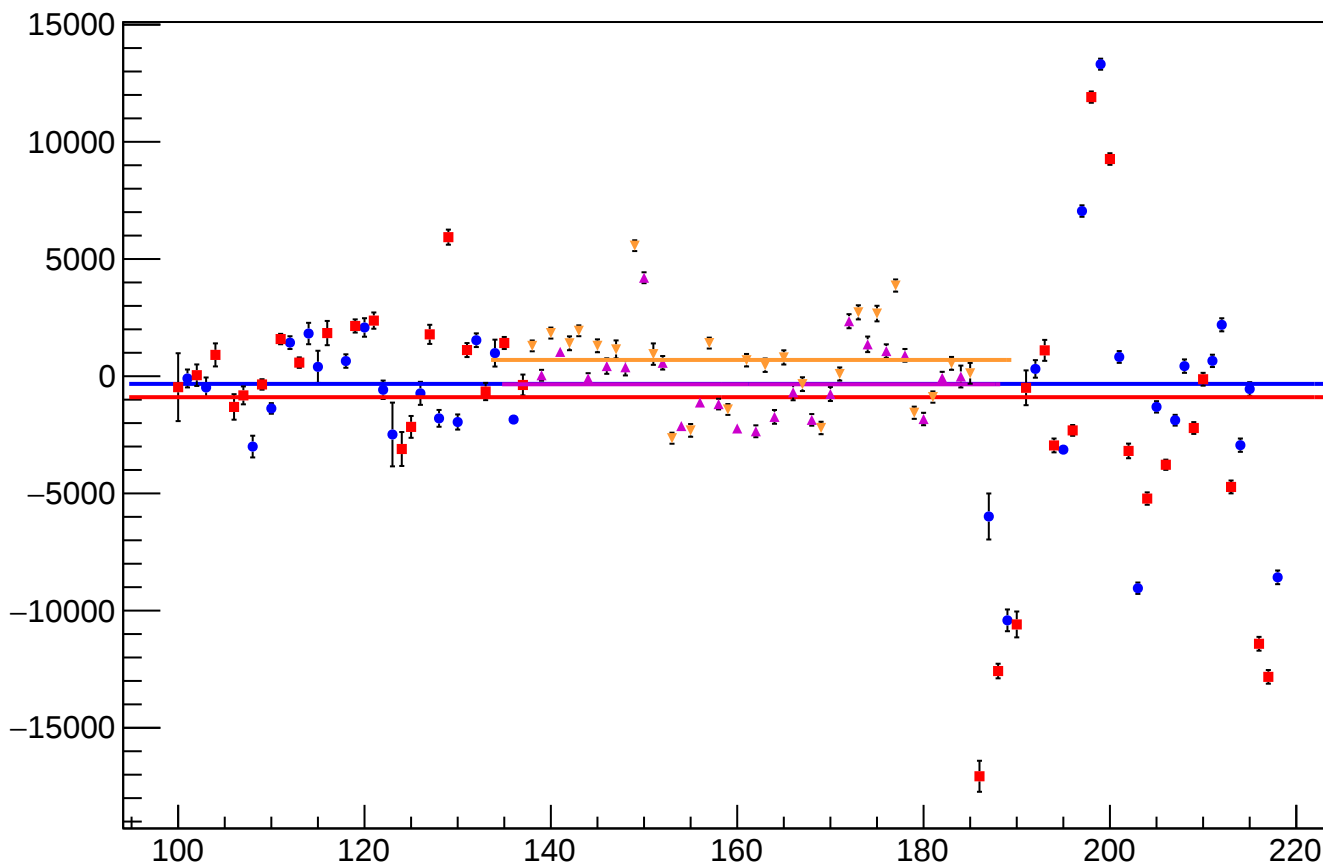
Left In: 212.145+/-0.037 χ^2/NDF : 591698.6/22

+ sign 237.522+/-0.030 χ^2/NDF : 10971779.1/57

All: 231.163+/-0.021 χ^2/NDF : 21281645.2/111

- sign 225.411+/-0.029 χ^2/NDF : 10226999.5/58

asym_bpm0l01WS_mean vs Slug



Right In: -327.285 ± 53.182 χ^2/NDF : 7609.7/32

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -894.210 ± 52.448 χ^2/NDF : 11658.0/35

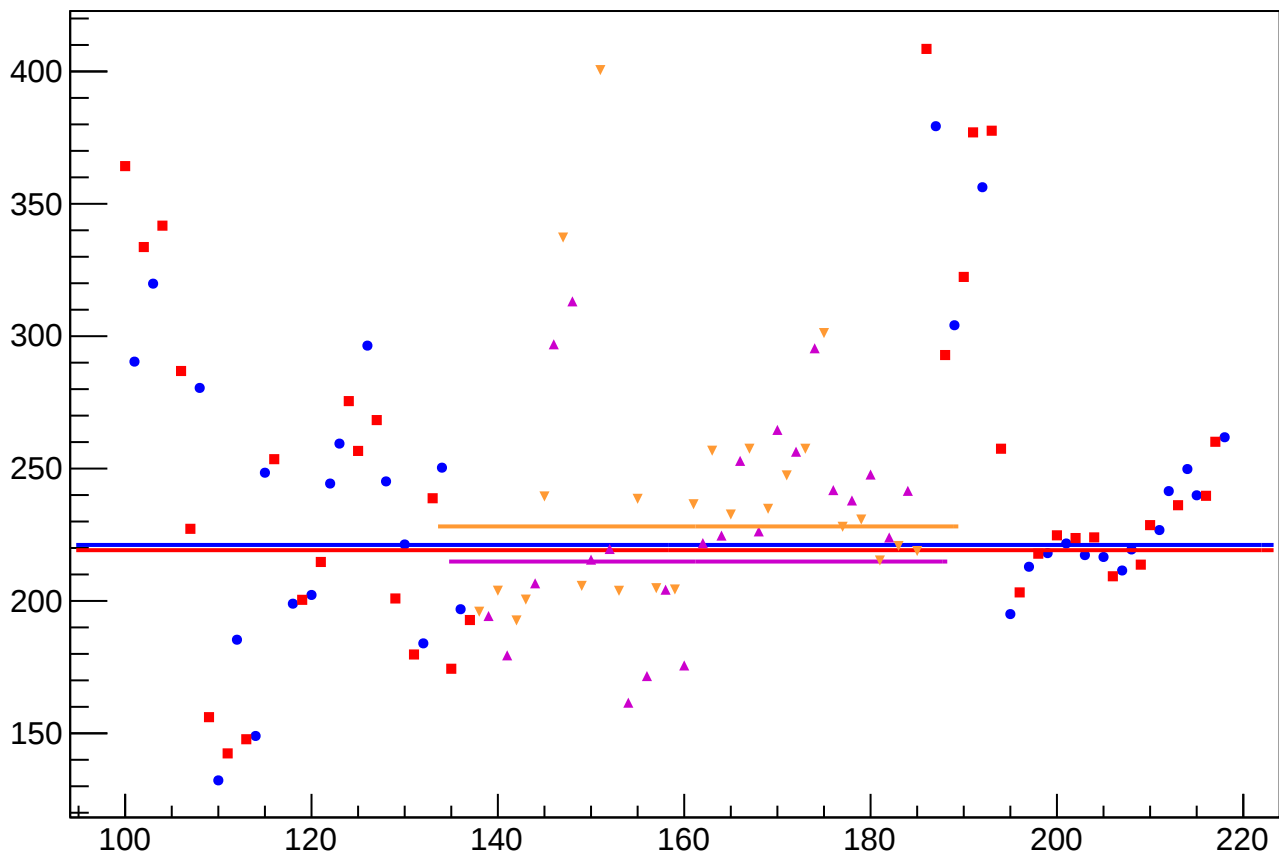
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 173.396 ± 37.976 χ^2/NDF : 9212.6/57

All: -231.846 ± 26.598 χ^2/NDF : 22133.5/116

- sign -622.034 ± 37.264 χ^2/NDF : 12697.4/58

asym_bpm0l01WS_rms vs Slug



Right In: 221.153+/-0.038 χ^2/NDF : 1237289.1/32

Left Out: 228.144+/-0.038 χ^2/NDF : 828399.3/24

Right Out: 219.173+/-0.037 χ^2/NDF : 1888186.0/35

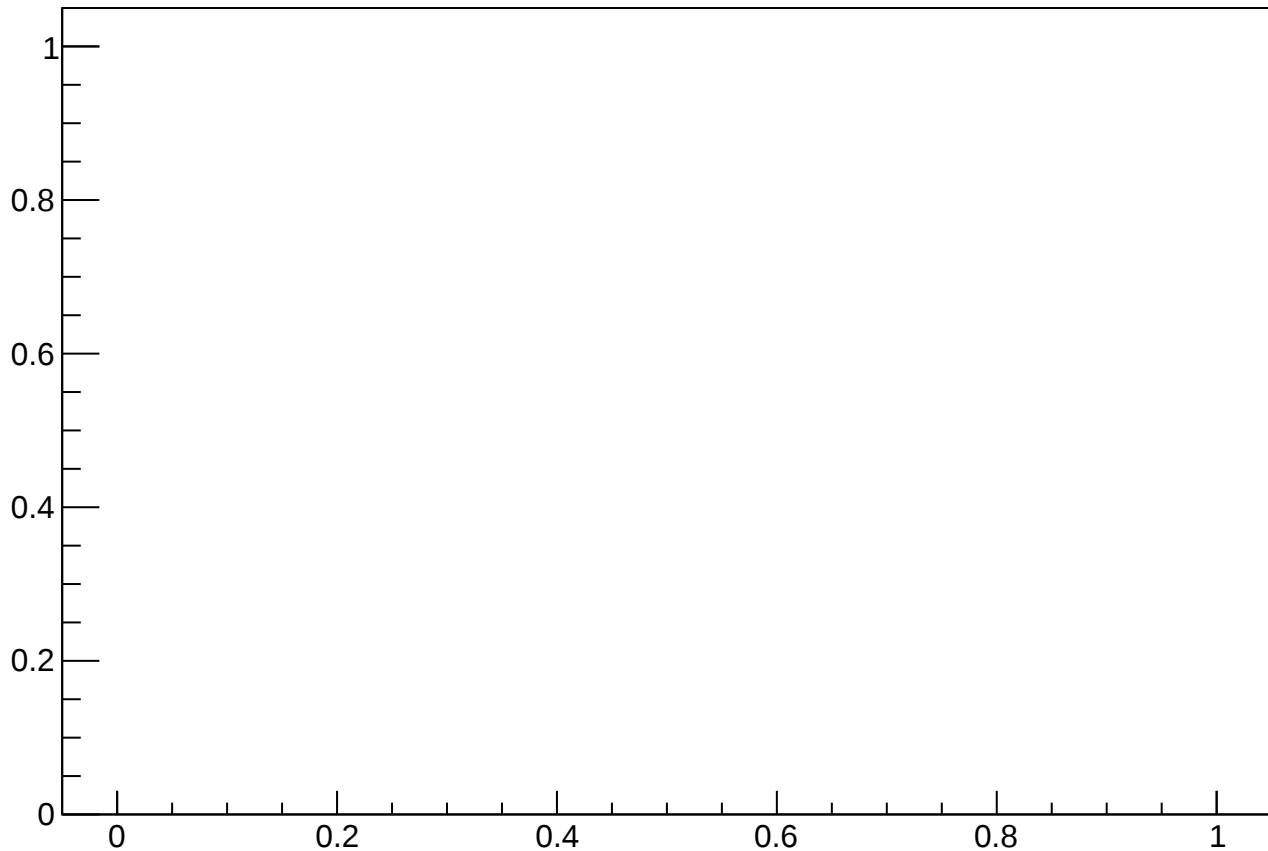
Left In: 214.878+/-0.037 χ^2/NDF : 1037509.6/22

+ sign 224.579+/-0.027 χ^2/NDF : 2082623.0/57

All: 220.741+/-0.019 χ^2/NDF : 5055053.1/116

- sign 217.046+/-0.026 χ^2/NDF : 2932336.2/58

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

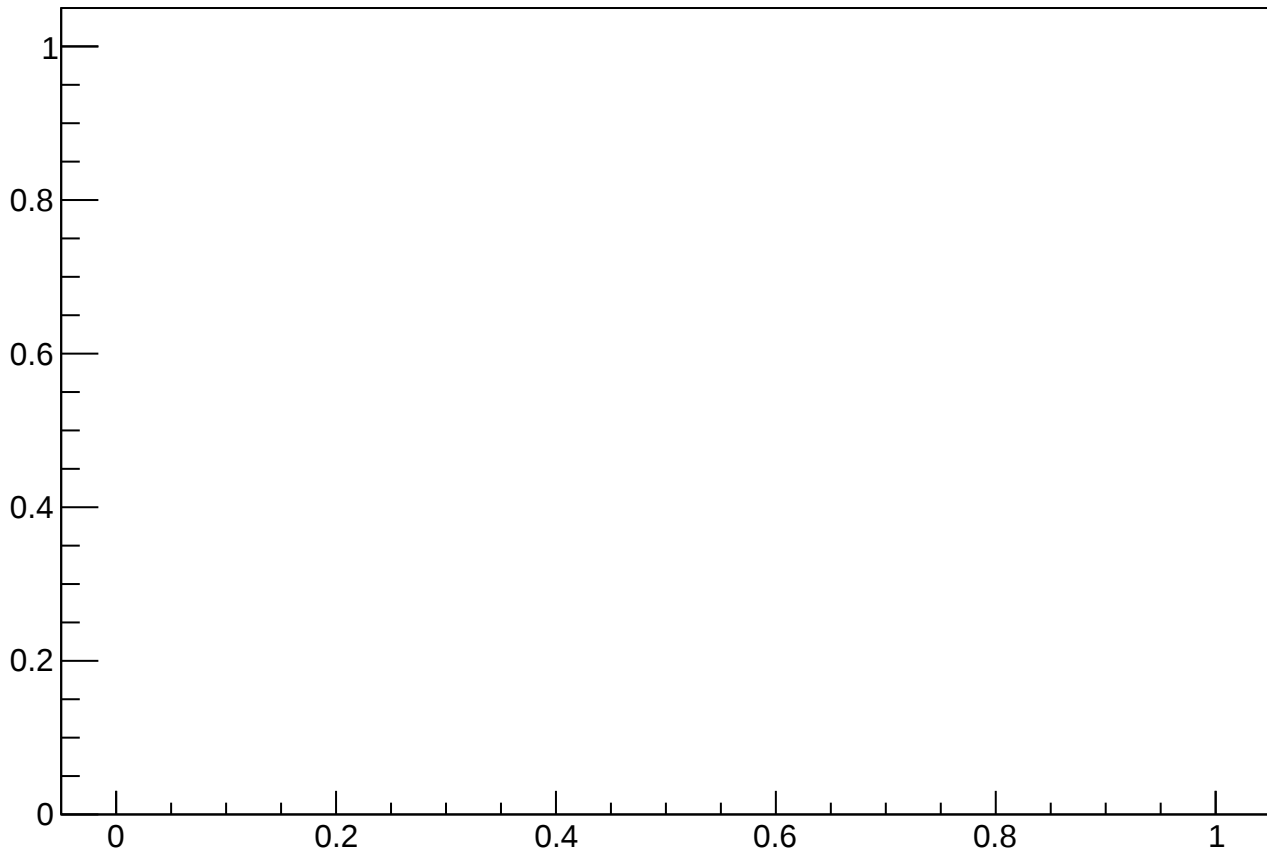
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

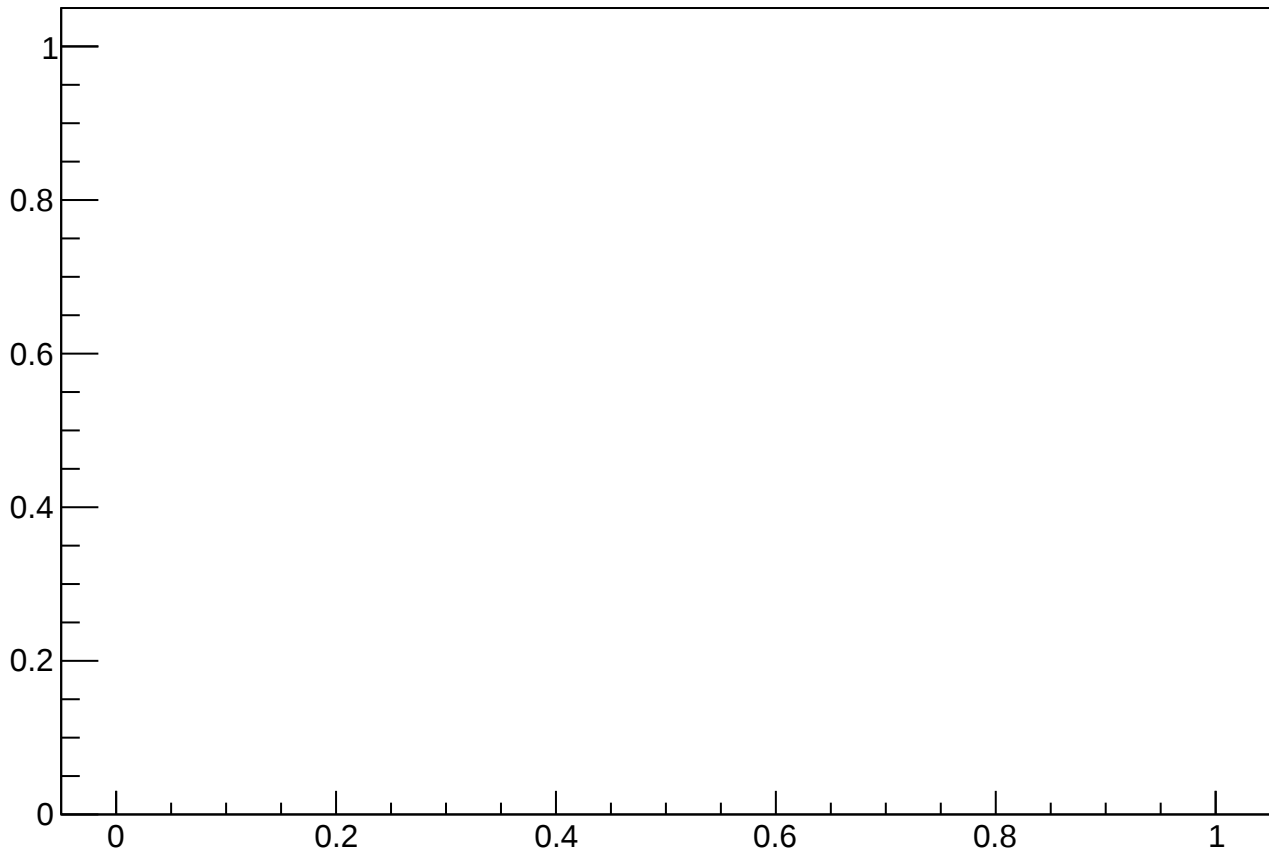
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

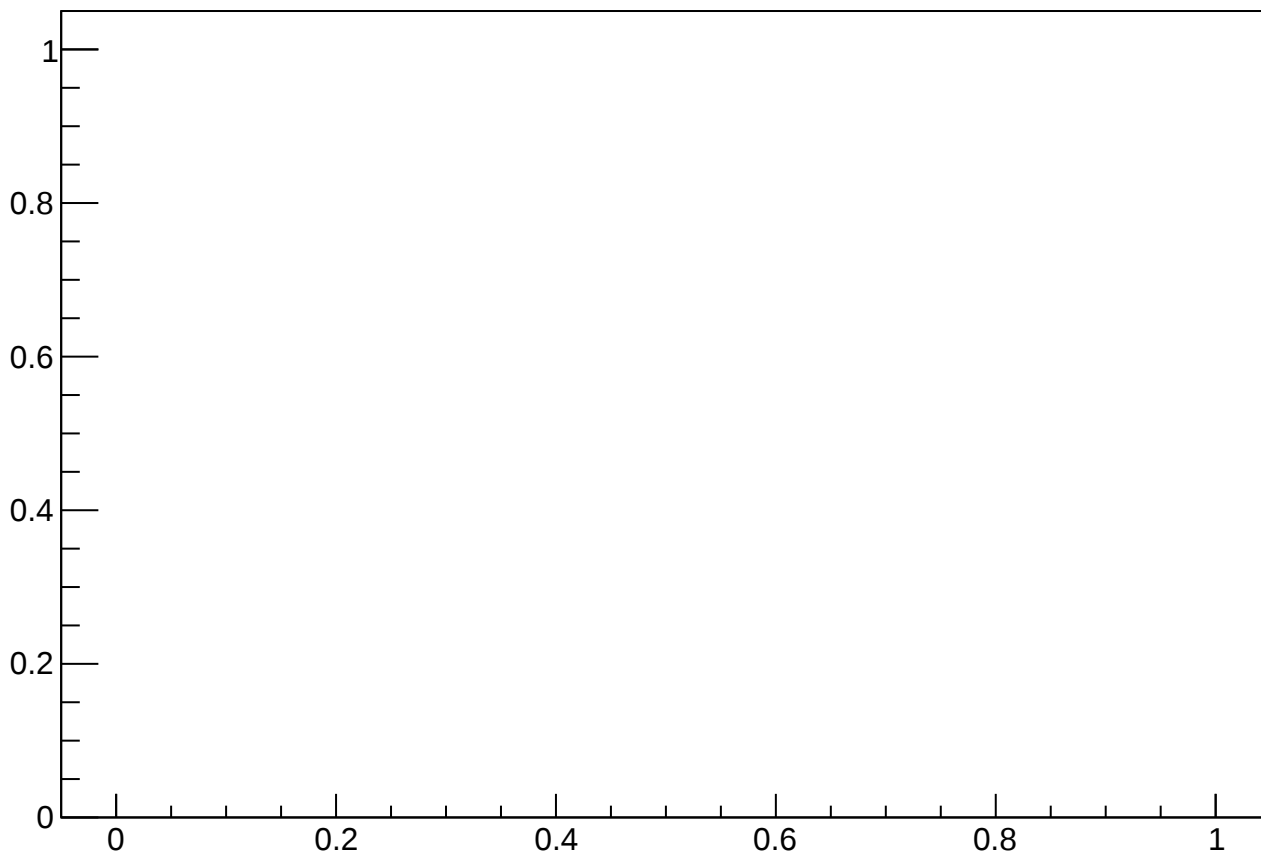
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

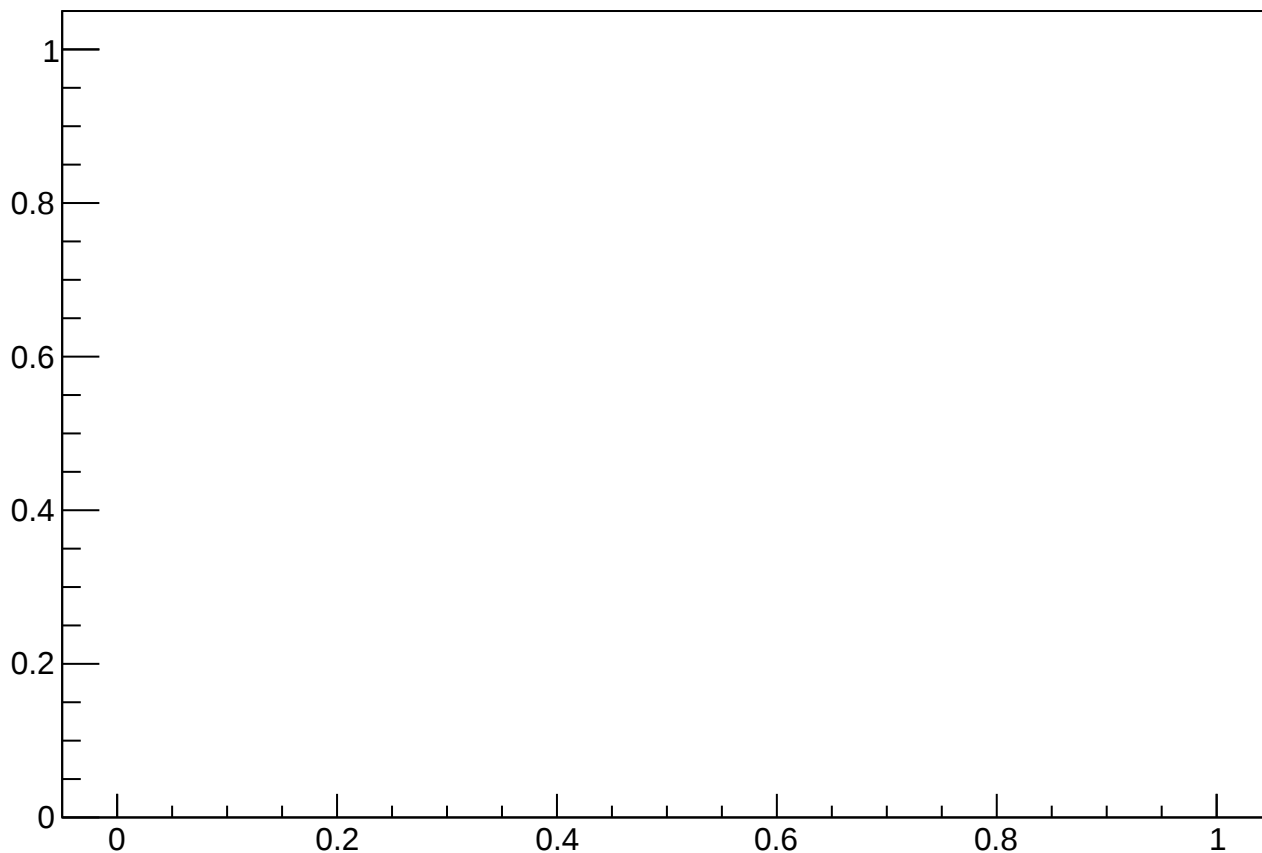
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

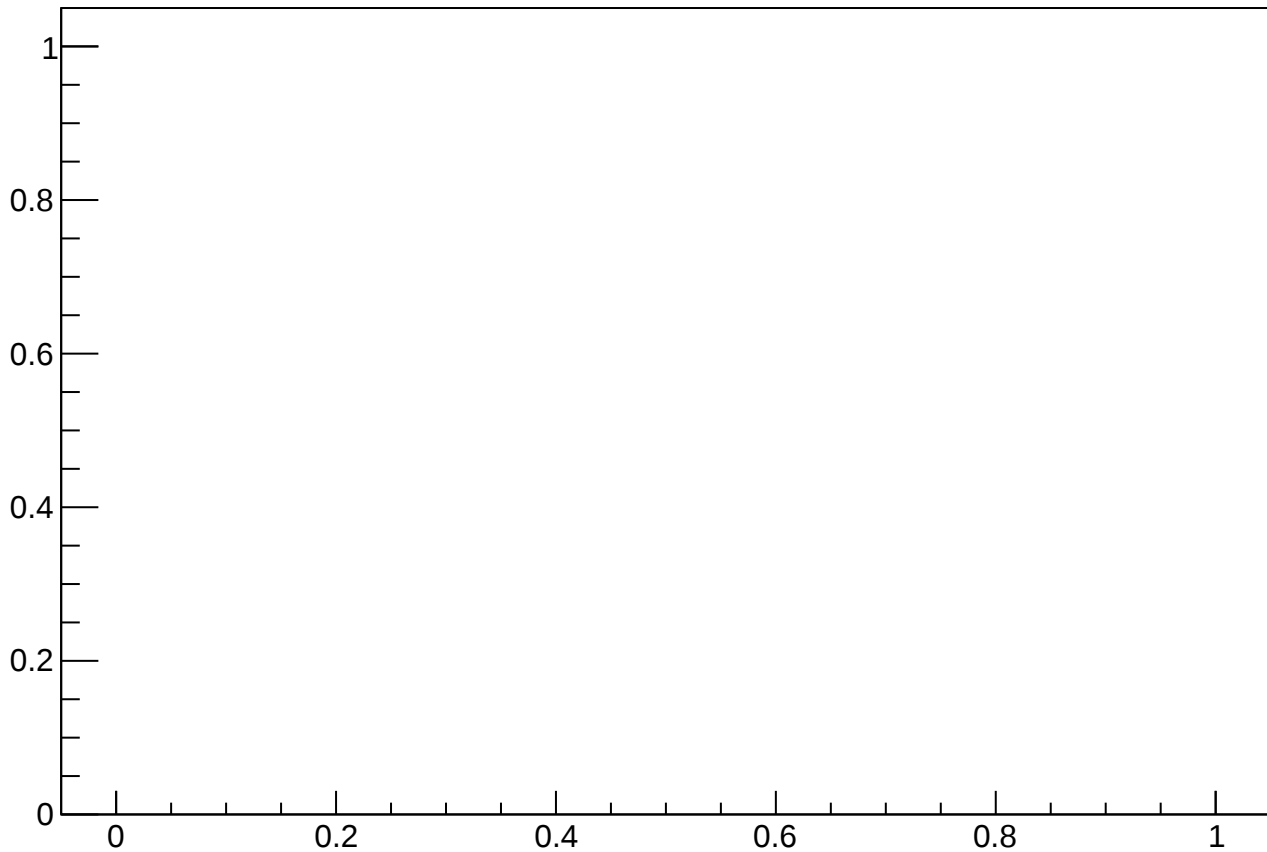
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

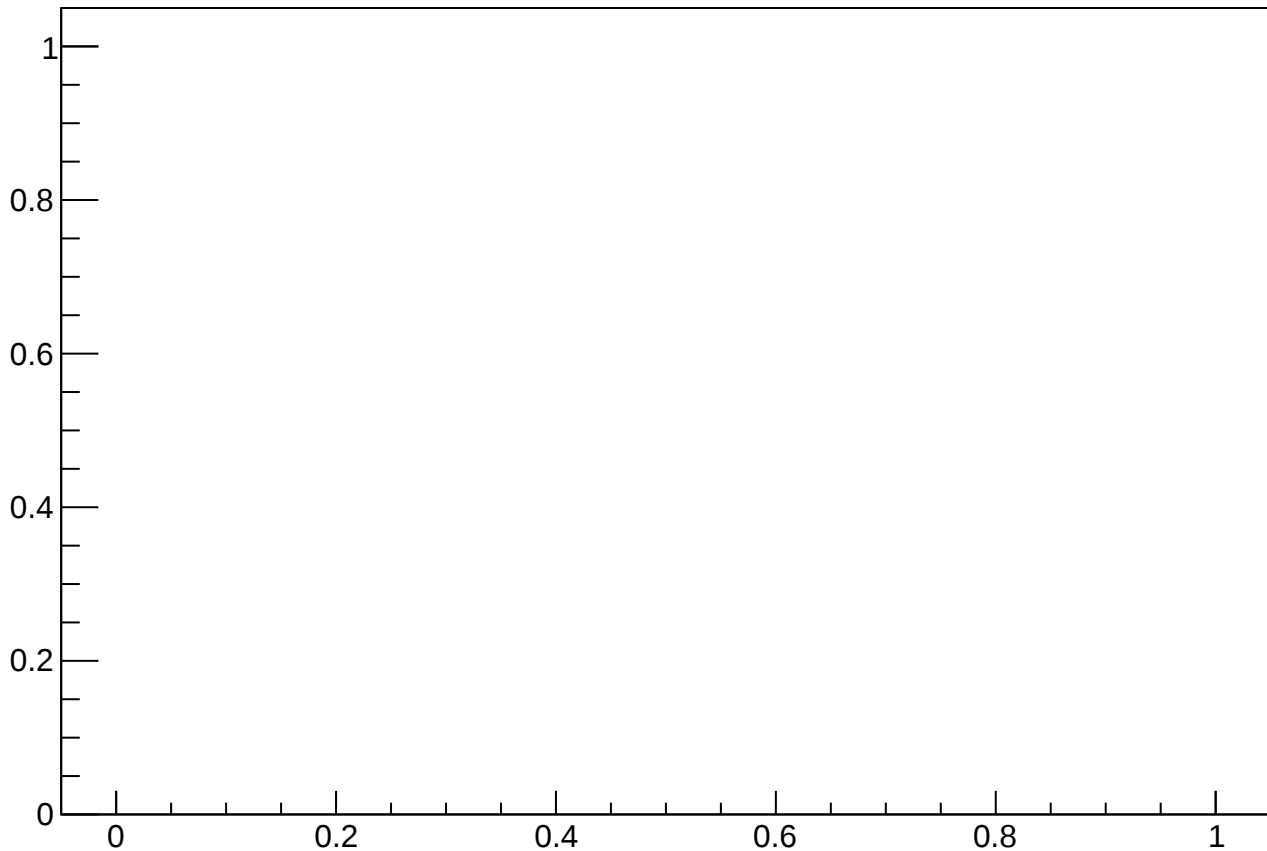
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

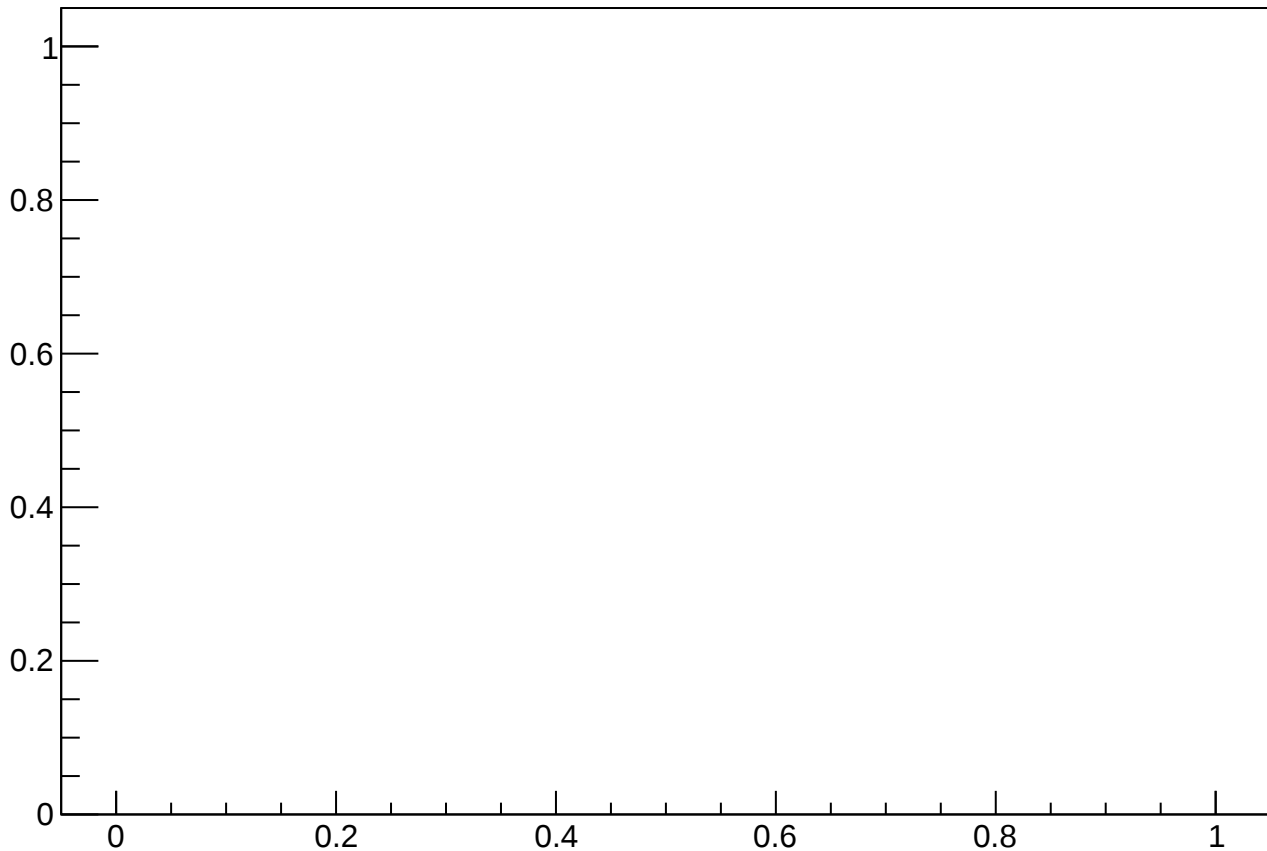
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

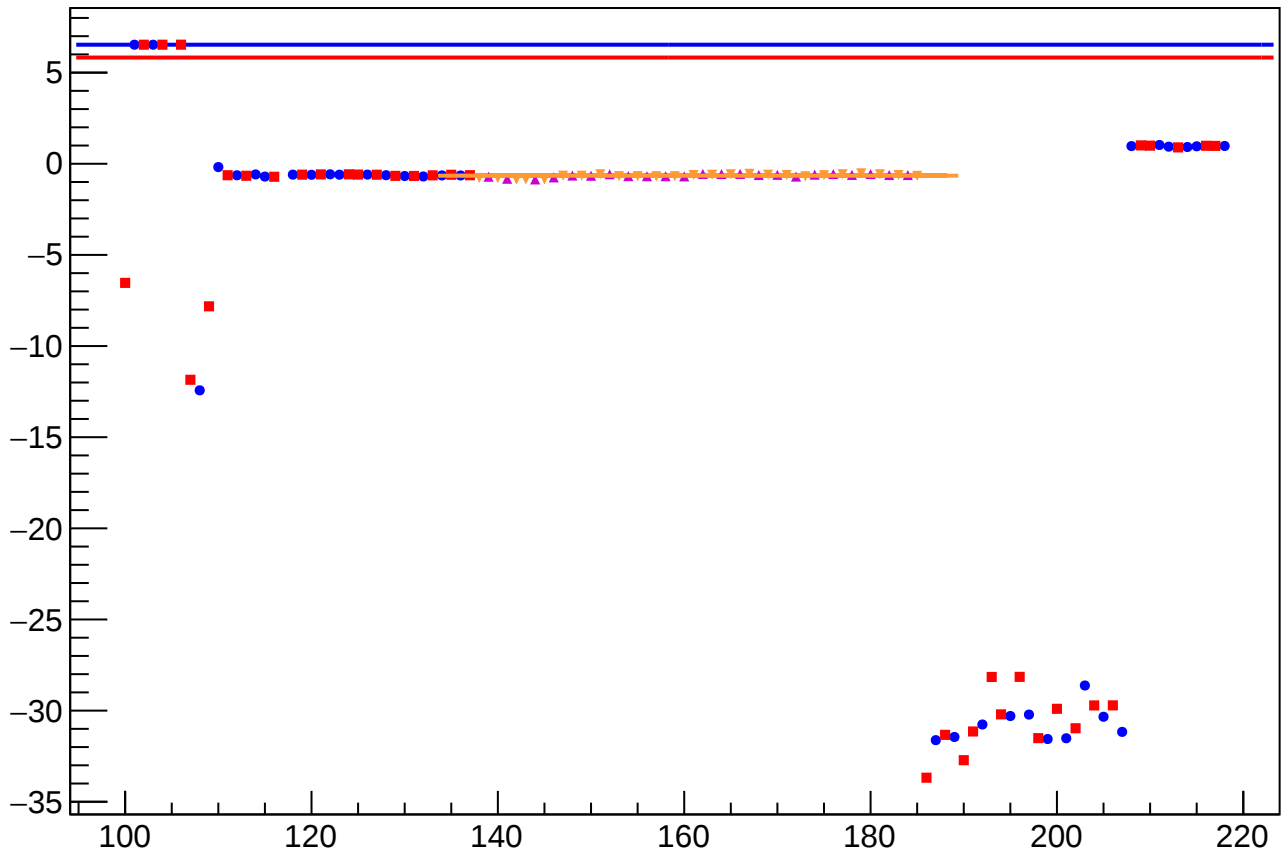
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 138717637246.6/32

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755968872698746.2/35

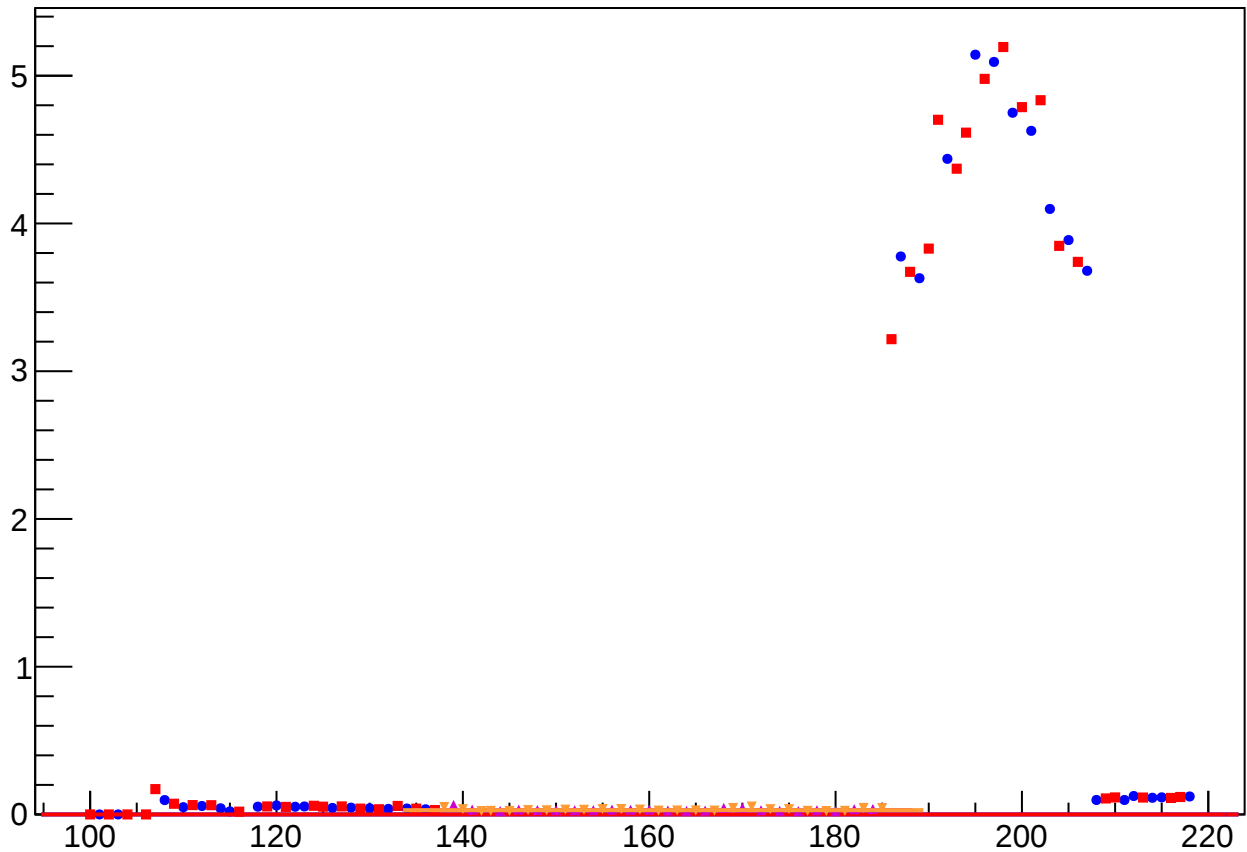
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1012550972765.3/57

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77764448235215

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756647332633415.1/

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 : 31916350.7/35

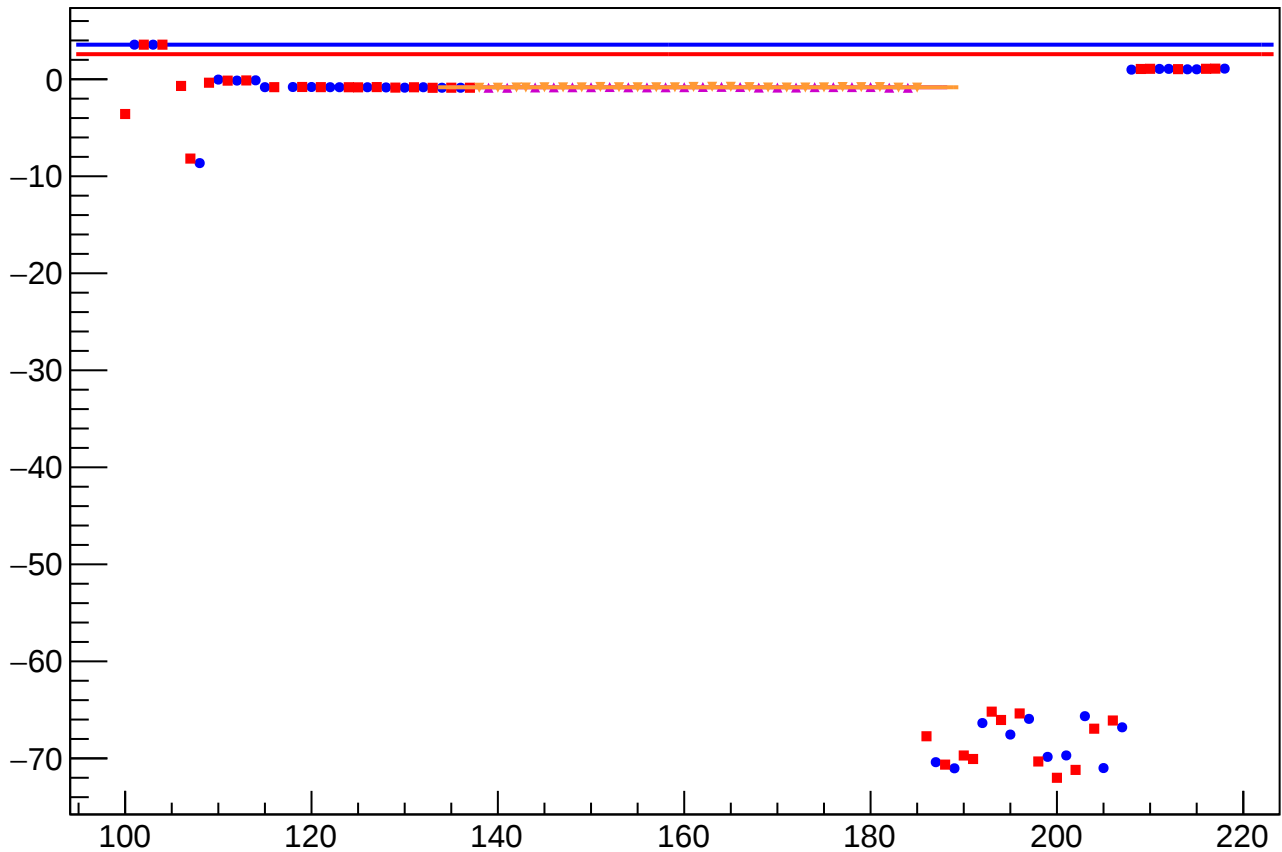
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 61180192.2/57

All: 0.000+/-0.000 χ^2/NDF : 121278445.1/116

- sign 0.000+/-0.000 χ^2/NDF : 60097513.8/58

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 : 1253555643634191.2/35

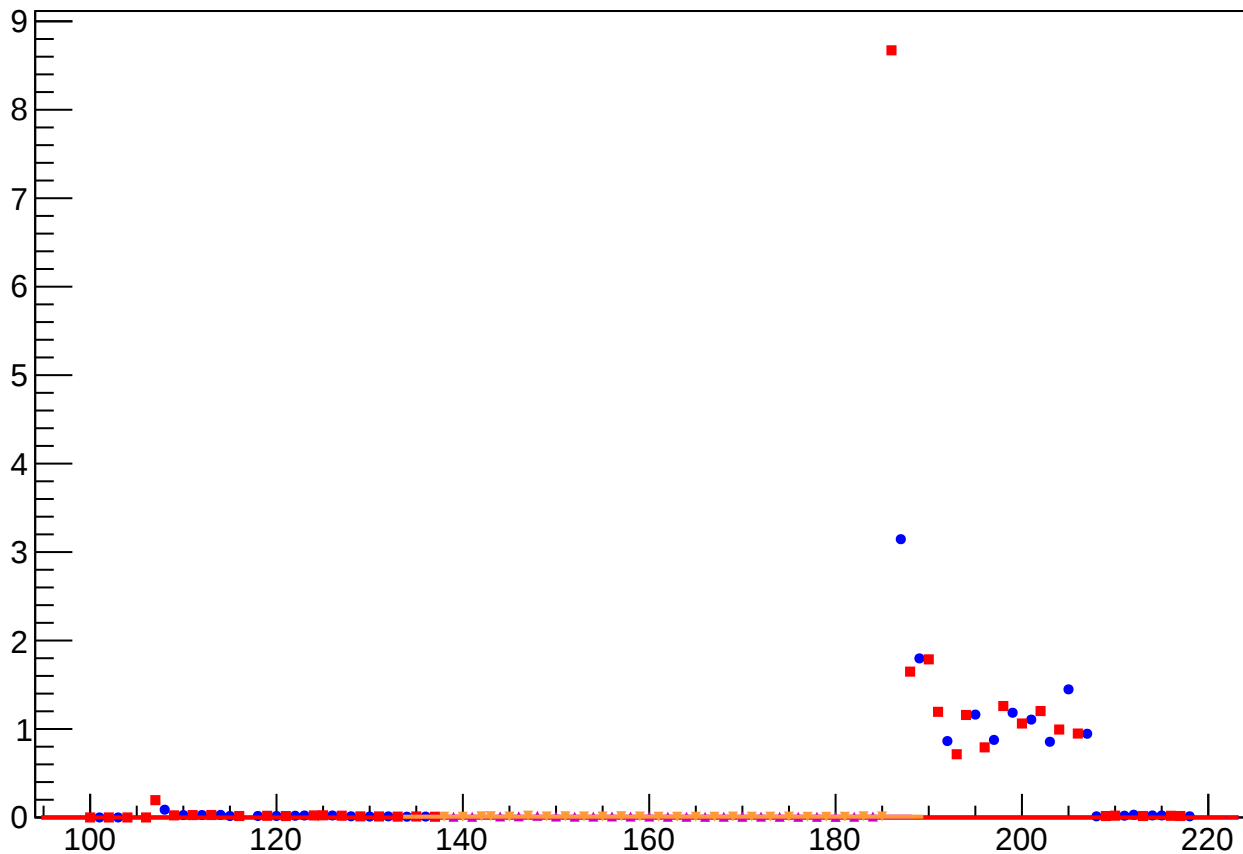
Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4278148968191.6/57

All: 3.038+/-0.000 χ^2/NDF : 13881222957804

- sign 2.581+/-0.000 χ^2/NDF : 1255776661685842.0

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 : 29536537.1/35

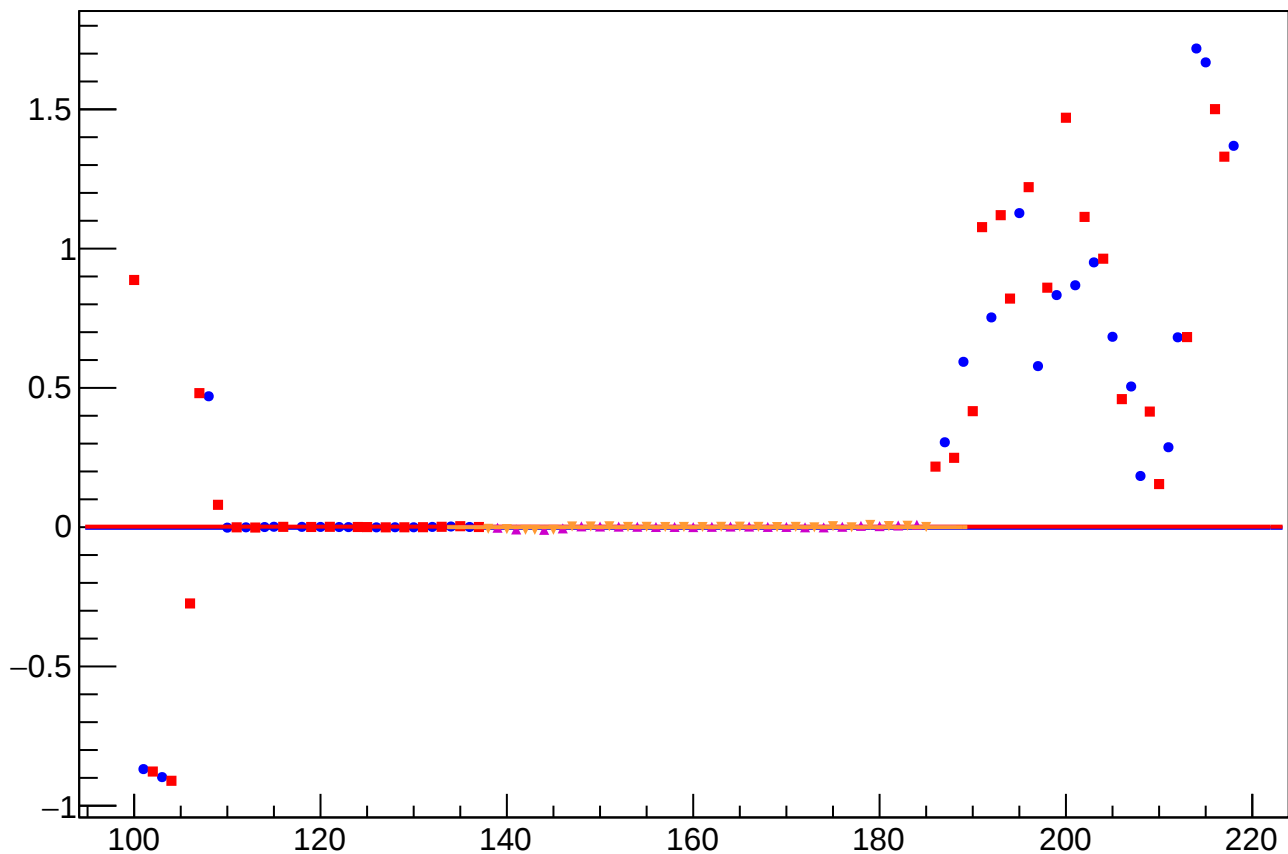
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 59948253.1/57

All: 0.000+/-0.000 χ^2/NDF : 119288267.0/116

- sign 0.000+/-0.000 χ^2/NDF : 59338783.7/58

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 : 3044218268.8/35

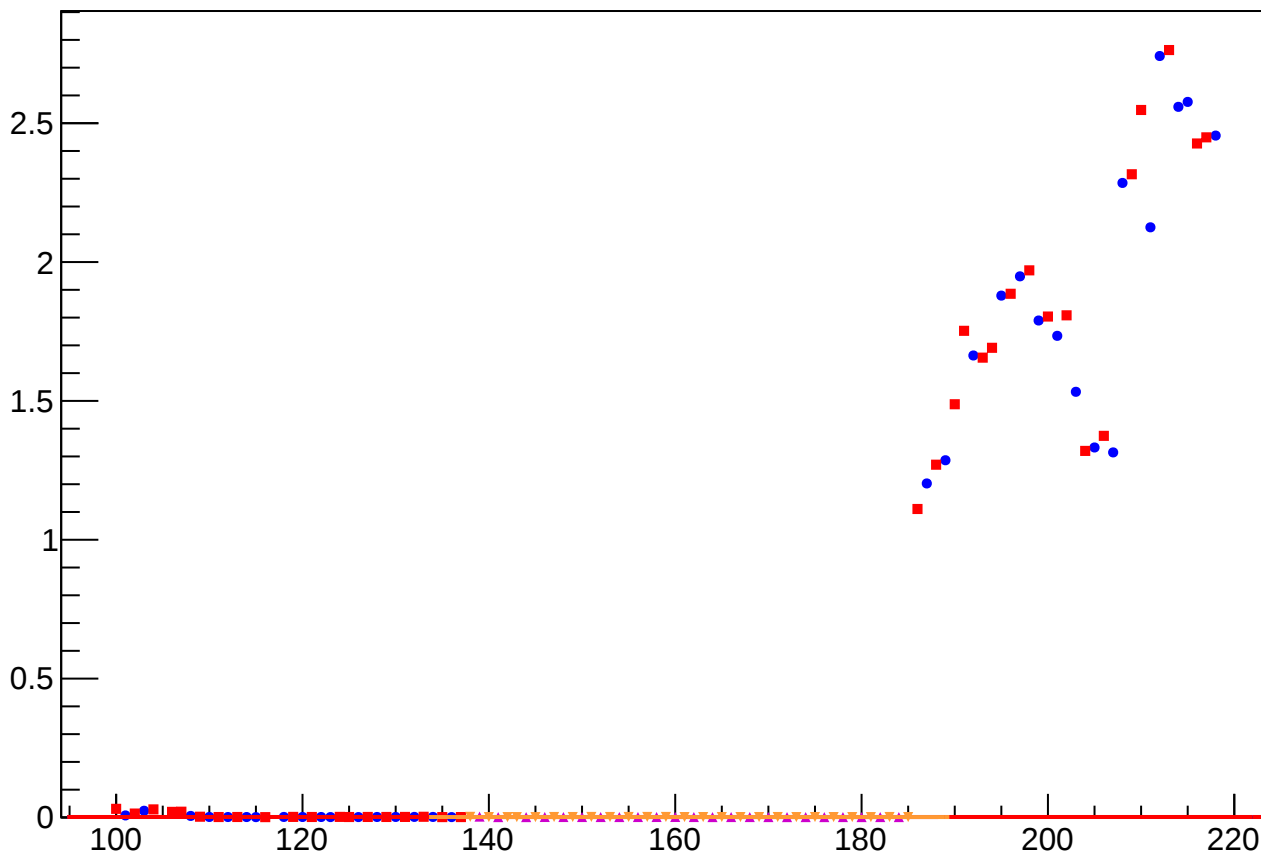
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9955958904.1/57

All: 0.000 ± 0.000 χ^2/NDF : 13111177000.4/100

- sign 0.001 ± 0.000 χ^2/NDF : 3147666794.3/58

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: 25588681.5/35

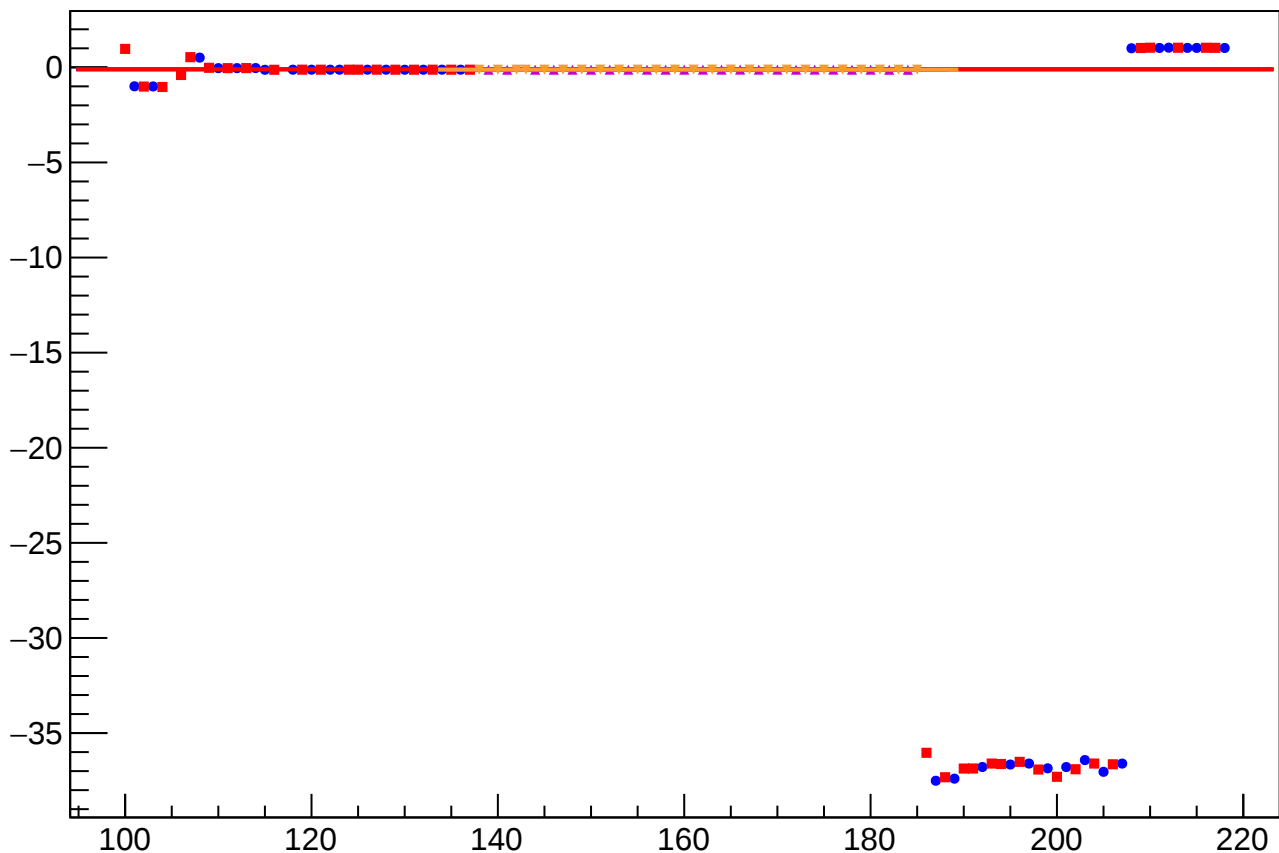
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 24873071.2/57

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 51240871.2/116

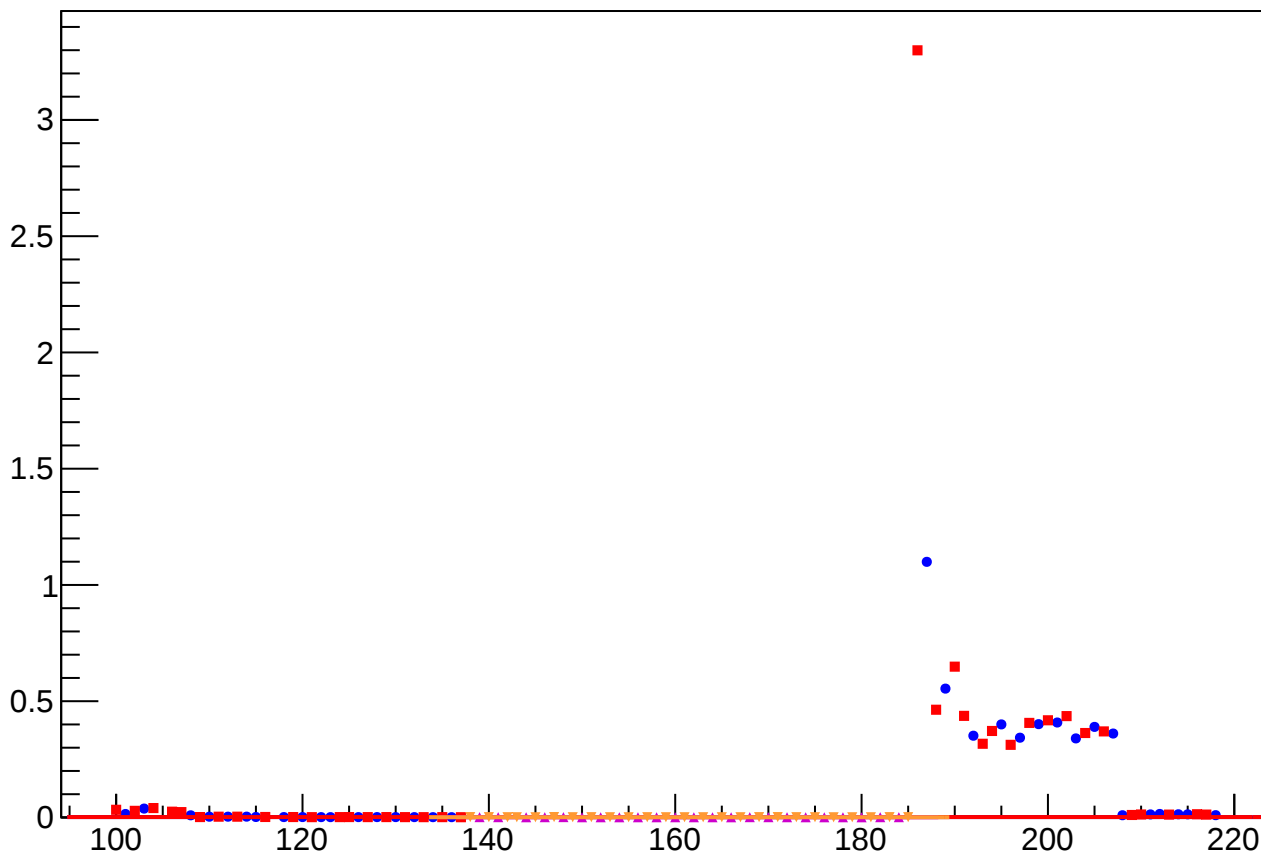
- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 26359913.7/58

yield_cav4cY_mean vs Slug



Right In: -0.104+/-0.000	χ^2/NDF : 101942570413.8/32	+ sign -0.119+/-0.000	χ^2/NDF : 102494423692.8/57
Left Out: -0.121+/-0.000	χ^2/NDF : 58329026.8/24	All: -0.119+/-0.000	χ^2/NDF : 201719037599.6
Right Out: -0.102+/-0.000	χ^2/NDF : 98579699567.9/35	- sign -0.119+/-0.000	χ^2/NDF : 99222785495.0/58
Left In: -0.121+/-0.000	χ^2/NDF : 53134323.3/22		

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 22300223.4/32

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 23779297.8/35

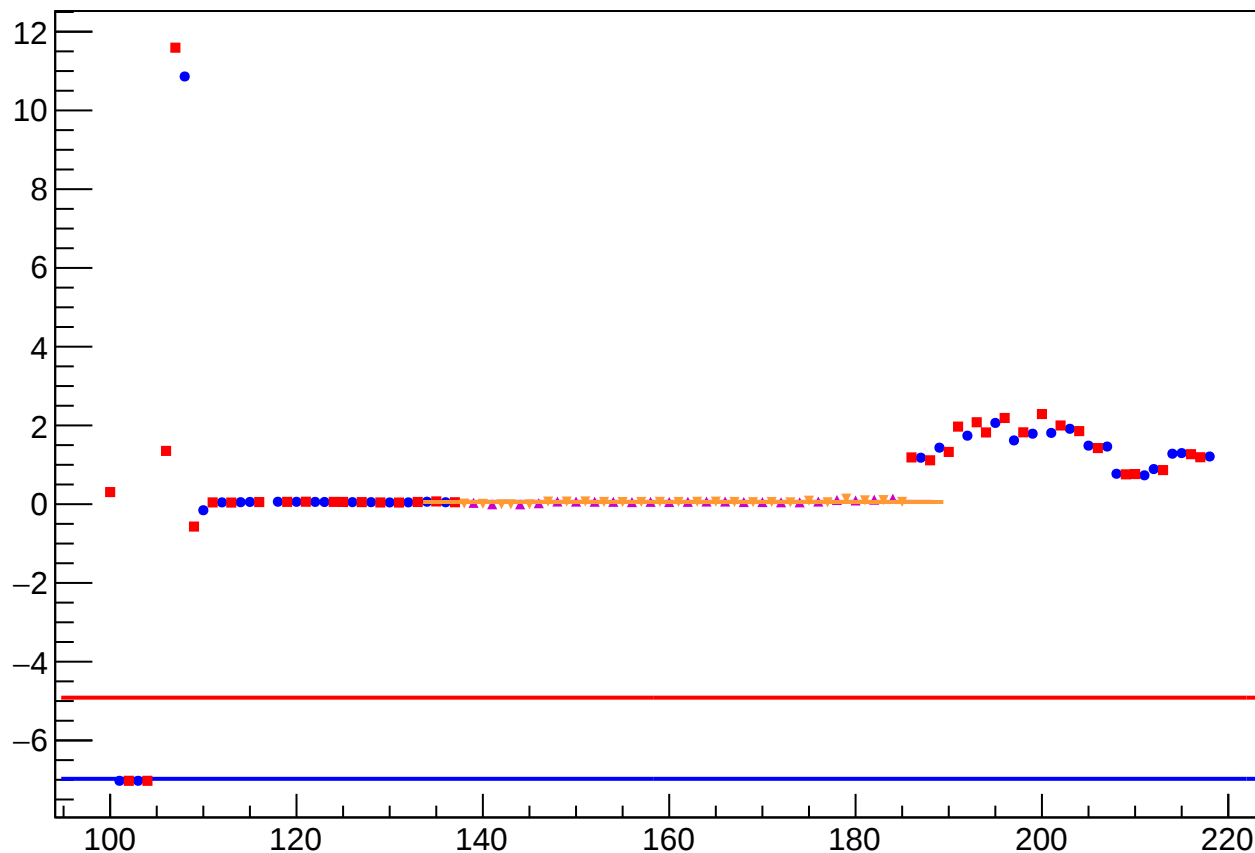
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 25577839.6/57

All: 0.001+/-0.000 χ^2/NDF : 52060777.2/116

- sign 0.001+/-0.000 χ^2/NDF : 26481474.5/58

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 : 365348903601656.3/35

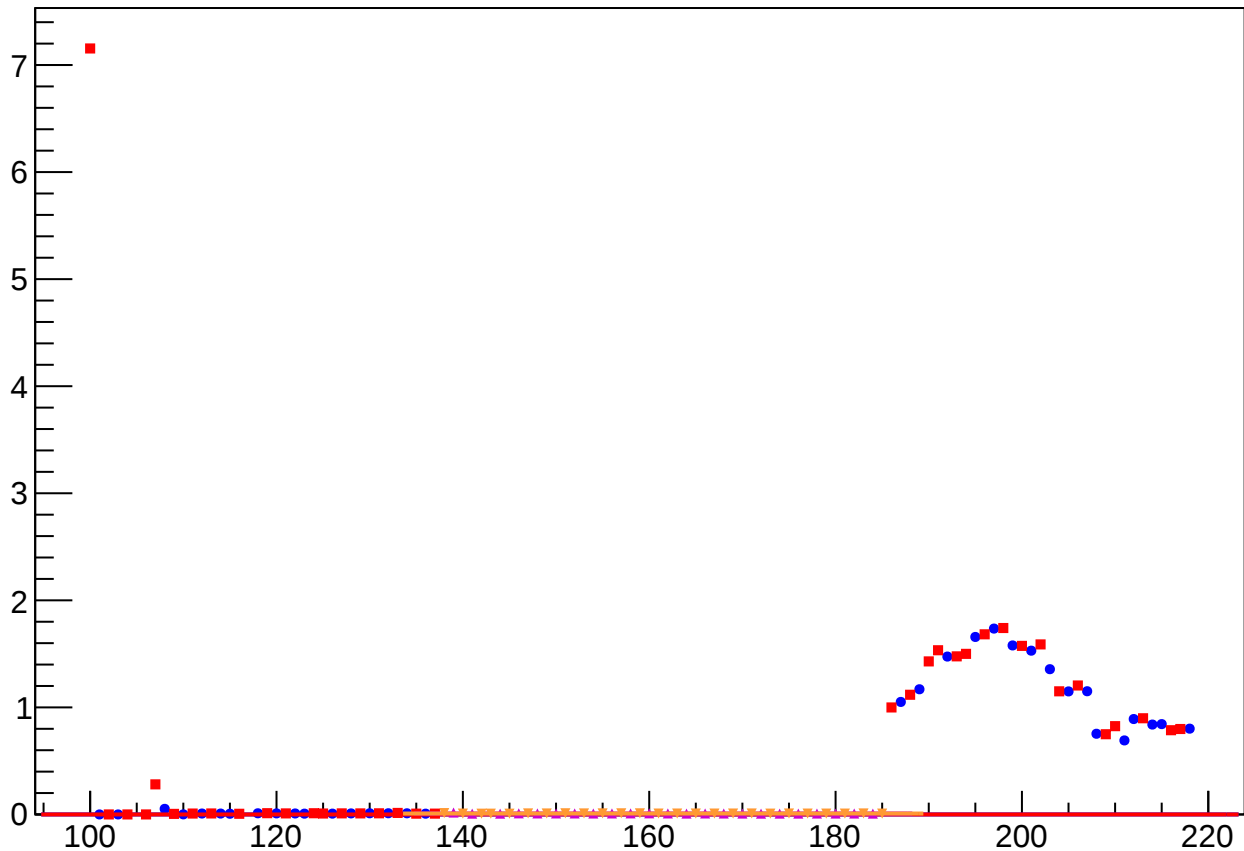
Left In: 0.059+/-0.000 χ^2/NDF :178713649.9/22

+ sign -6.921+/-0.000 χ^2/NDF : 18418129533180.6/32

All: -5.858+/-0.000 χ^2/NDF : 4435821709911.3/32

- sign -4.882+/-0.000 χ^2/NDF : 369771191918210.2/32

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 : 31354075.2/35

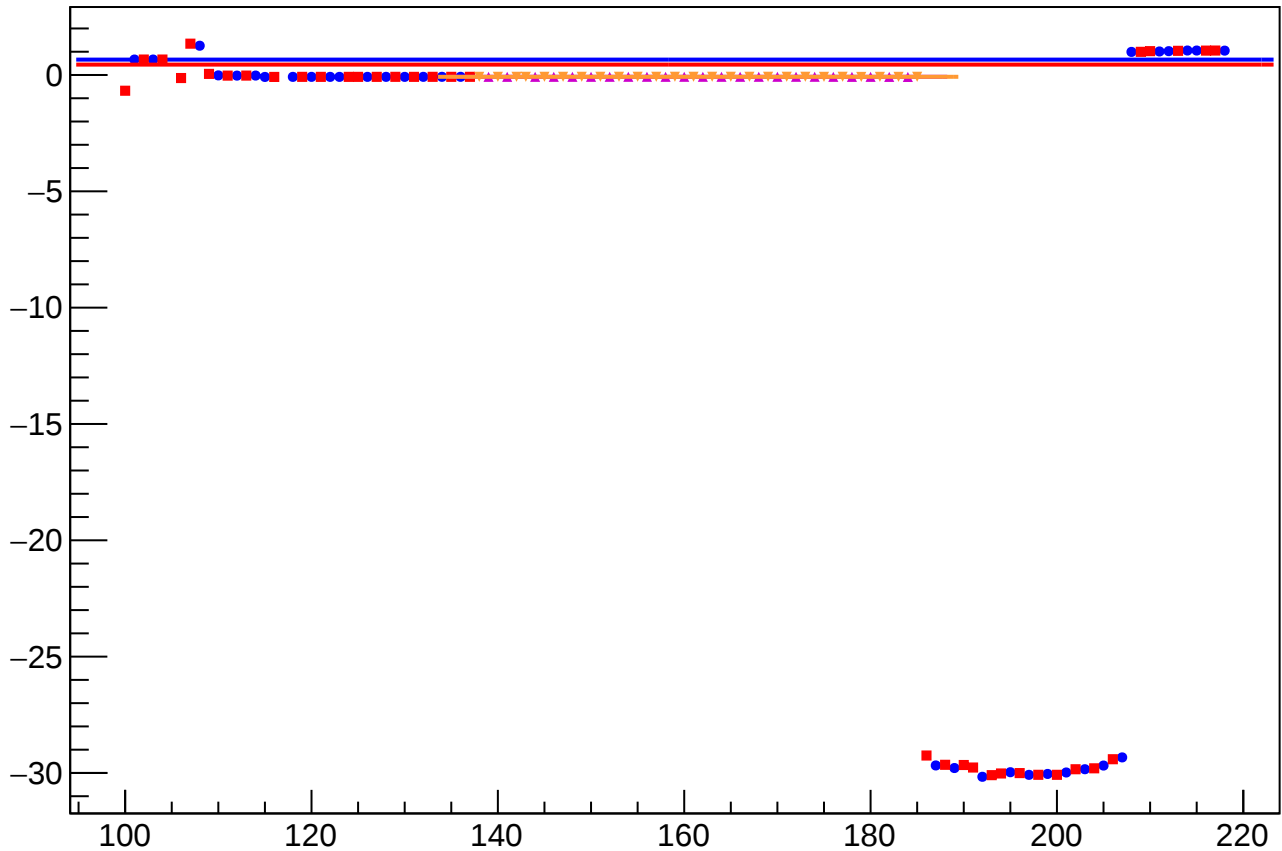
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 59576542.7/57

All: 0.000+/-0.000 χ^2/NDF : 118607538.3/116

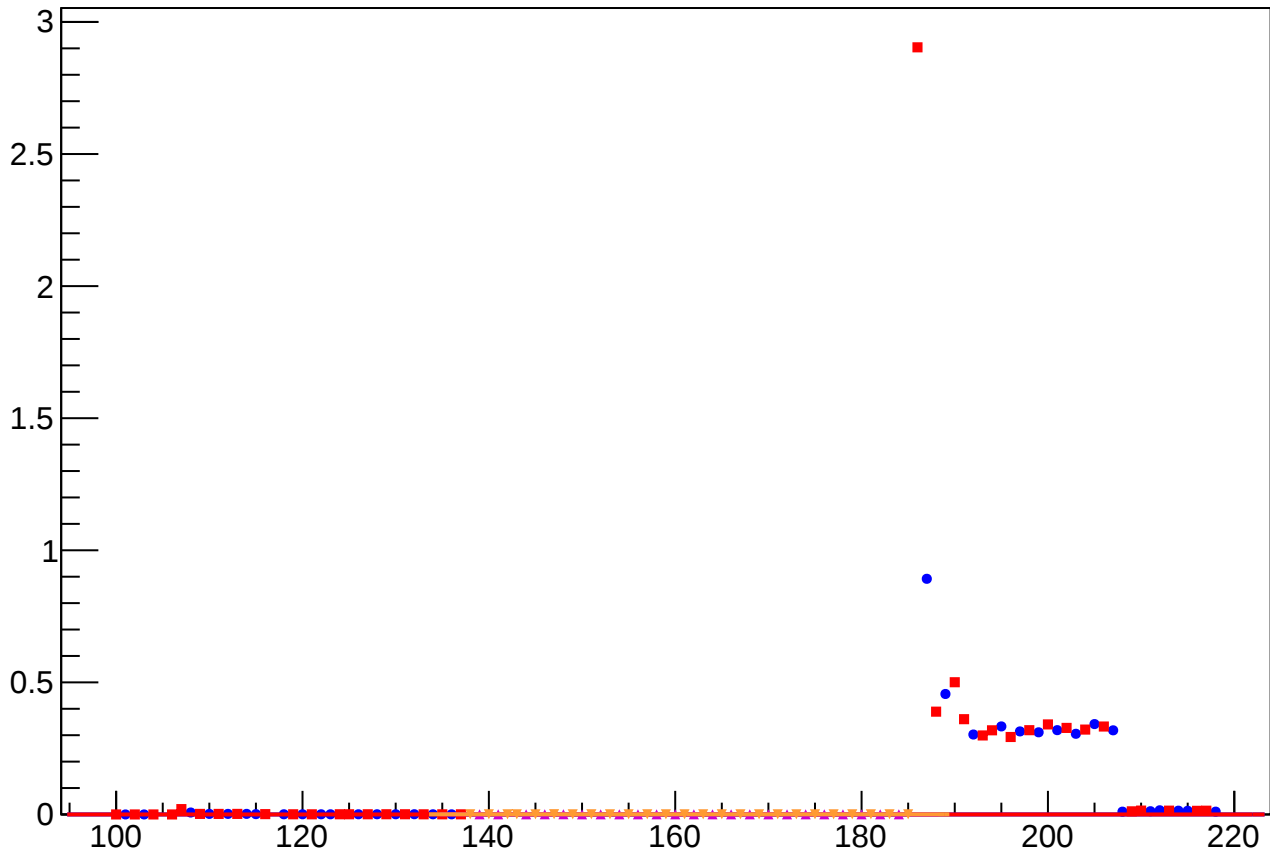
- sign 0.000+/-0.000 χ^2/NDF : 59026493.9/58

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5649334062454.2/32
 Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24
 Right Out: 0.446+/-0.000 χ^2/NDF : 405485244489401.0/35
 Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22
 All: 0.537+/-0.000 χ^2/NDF : 5161146983853
 + sign 0.646+/-0.000 χ^2/NDF : 35817095030036.7/5
 - sign 0.437+/-0.000 χ^2/NDF : 419716969983396.3/

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 : 31883858.8/35

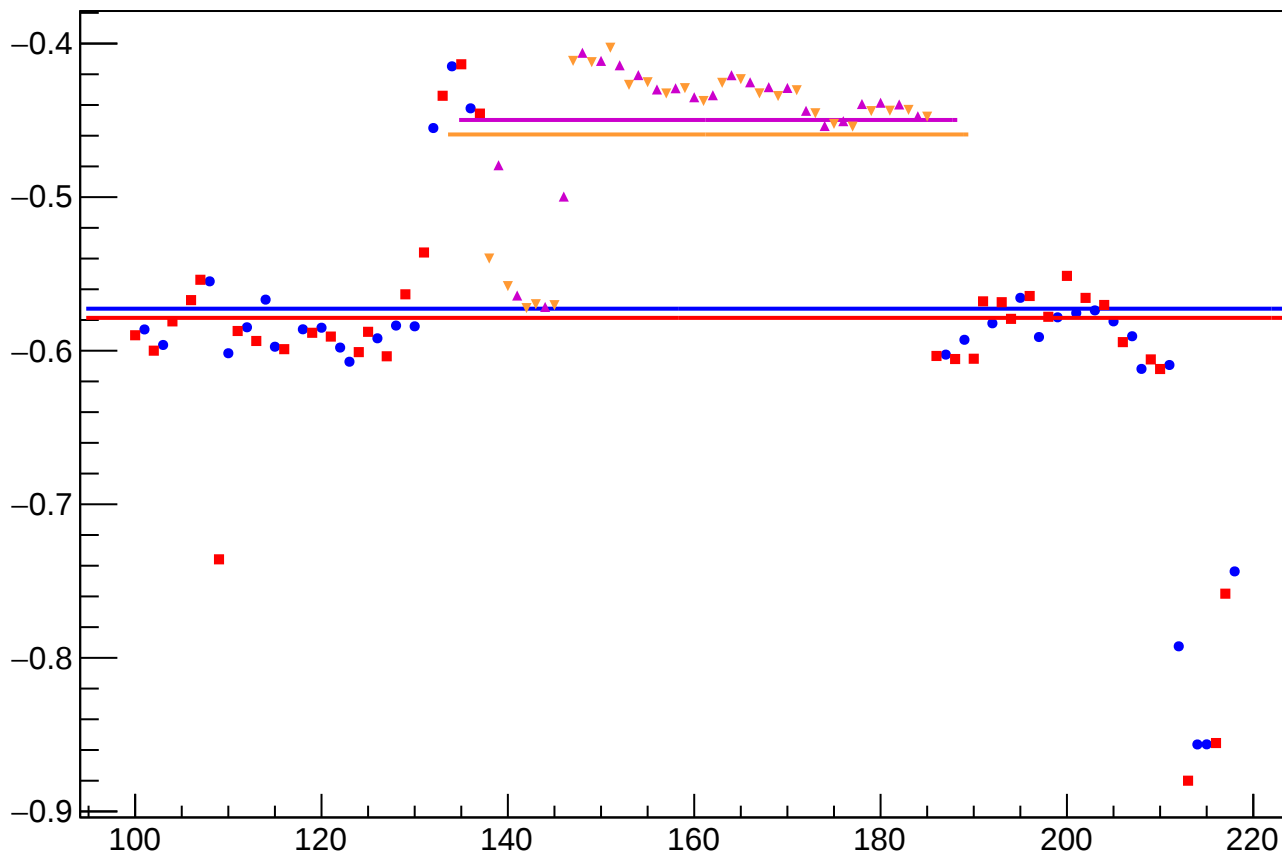
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 64443819.1/57

All: 0.000+/-0.000 χ^2/NDF : 127361332.3/116

- sign 0.000+/-0.000 χ^2/NDF : 62910059.7/58

yield_bpm4aX_mean vs Slug



Right In: -0.573+/-0.000 χ^2/NDF : 114533730.0/32

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.579+/-0.000 χ^2/NDF : 119587299.5/35

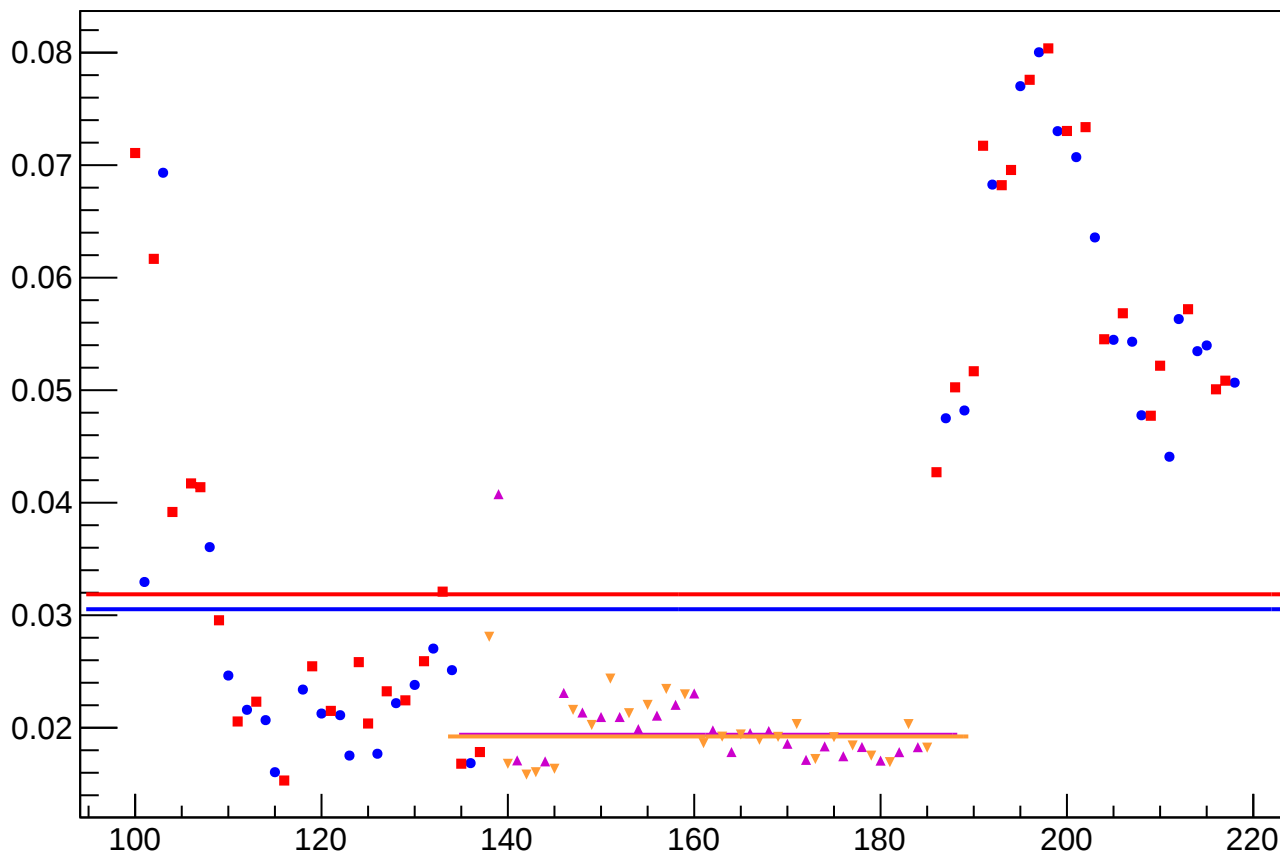
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.488+/-0.000 χ^2/NDF : 360283305.3/57

All: -0.486+/-0.000 χ^2/NDF : 718545406.1/111

- sign -0.483+/-0.000 χ^2/NDF : 357673724.2/58

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 : 7597554.7/35

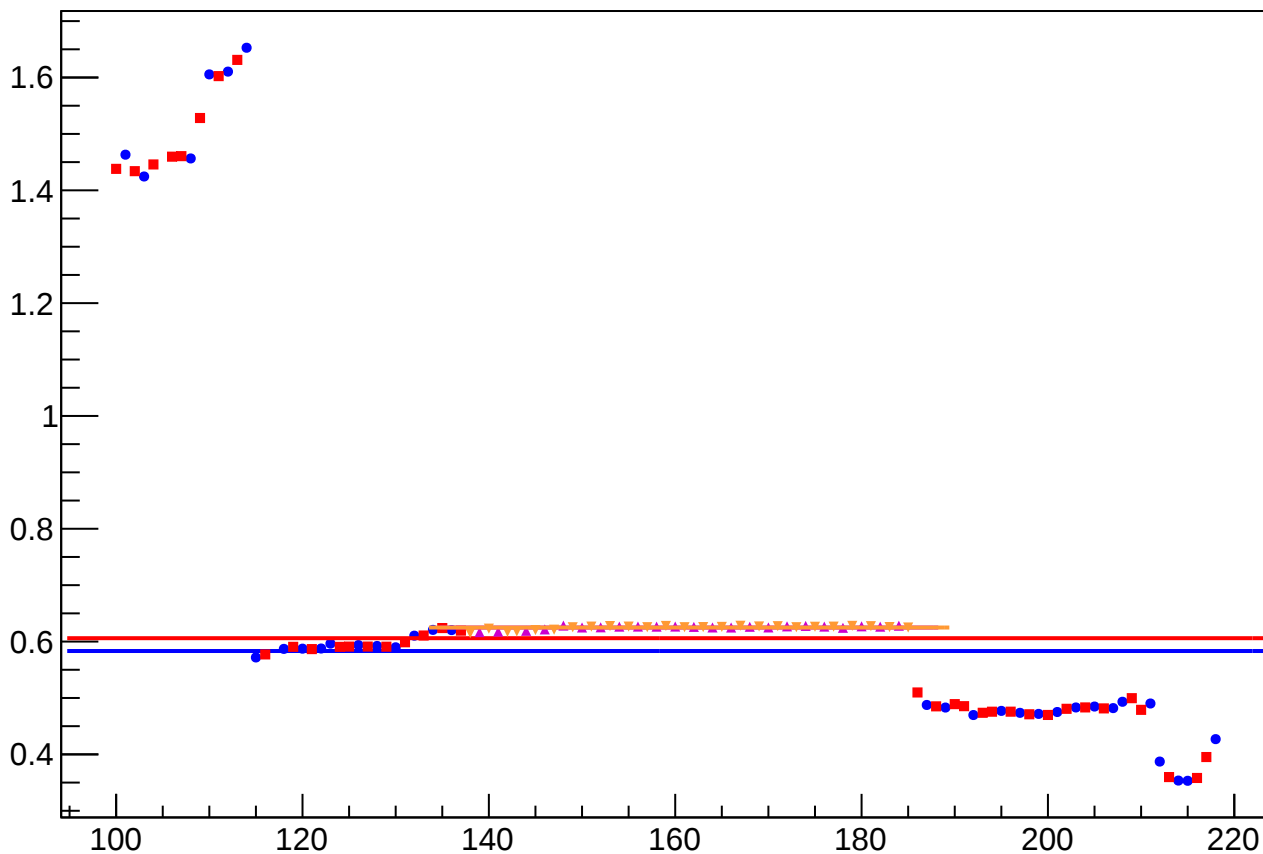
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.022+/-0.000 χ^2/NDF : 10889631.3/57

All: 0.022+/-0.000 χ^2/NDF : 22196618.1/116

- sign 0.023+/-0.000 χ^2/NDF : 11292589.4/58

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: 0.606 $\pm$ 0.000 χ^2 /NDF: 6584330350.0/35

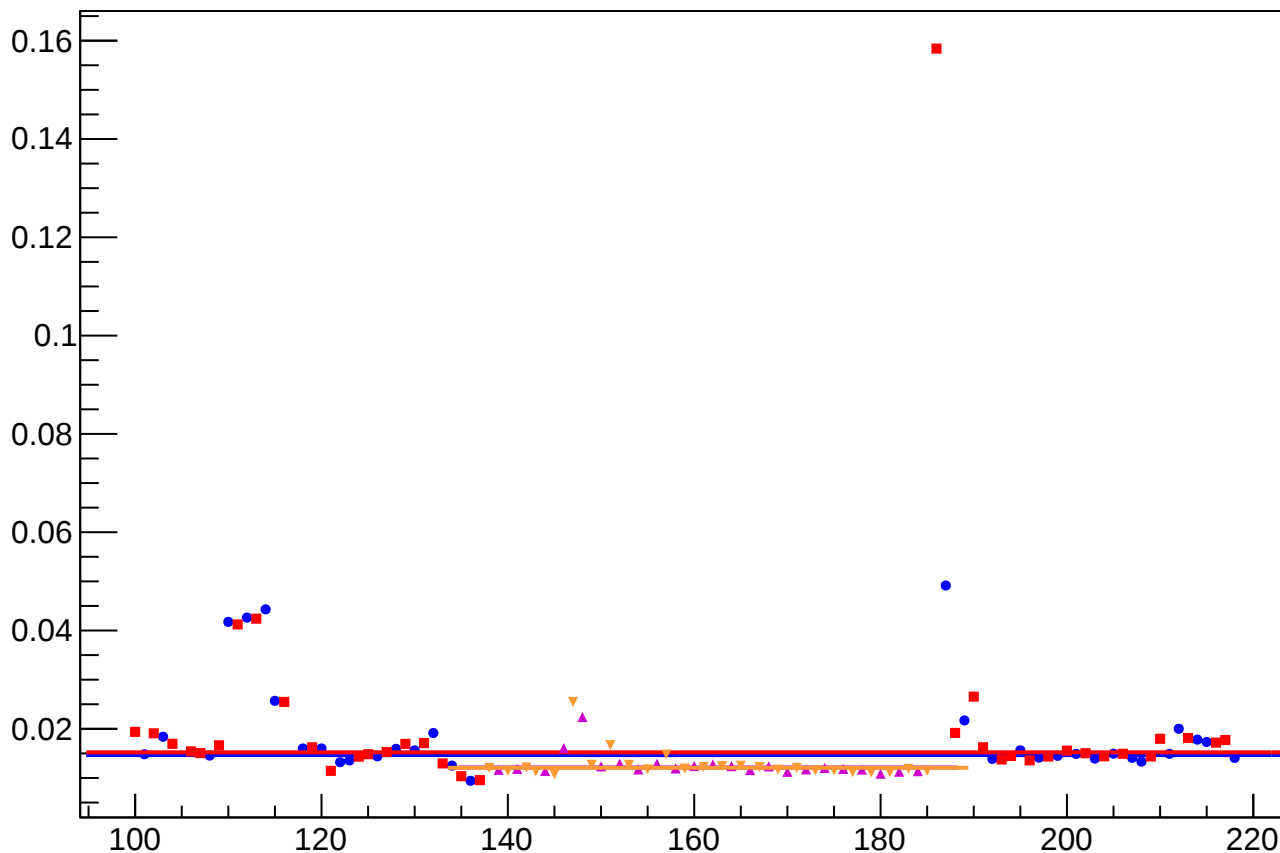
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.609 $\pm$ 0.000 χ^2 /NDF: 5670578965.0/57

All: 0.613 $\pm$ 0.000 χ^2 /NDF: 12279016931.1/113

- sign 0.618 $\pm$ 0.000 χ^2 /NDF: 6601175334.9/58

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: 2208806.4/35

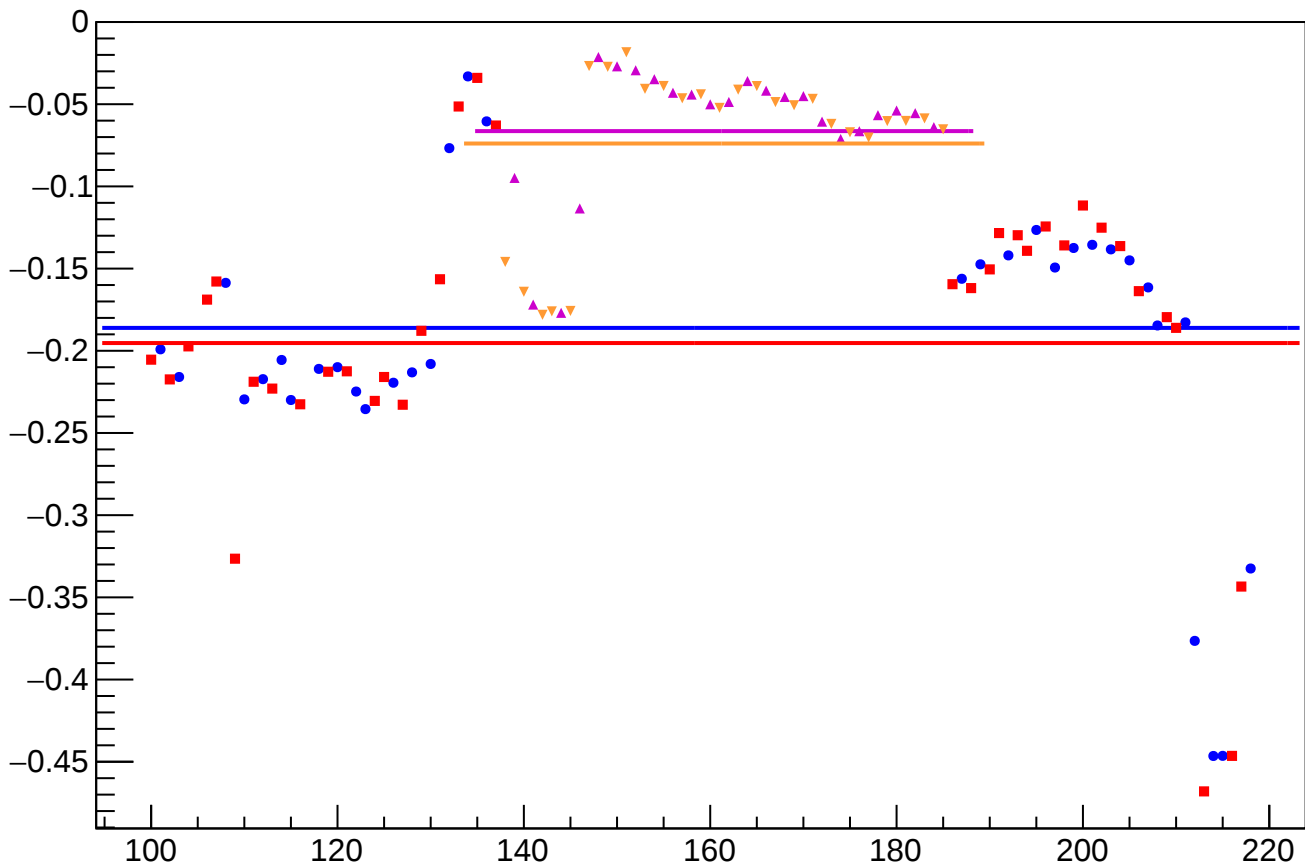
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3132561.3/57

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6684346.5/116

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3538711.4/58

yield_bpm4eX_mean vs Slug



Right In: -0.186 ± 0.000 χ^2/NDF : 127789775.4/32

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.195 ± 0.000 χ^2/NDF : 134102420.4/35

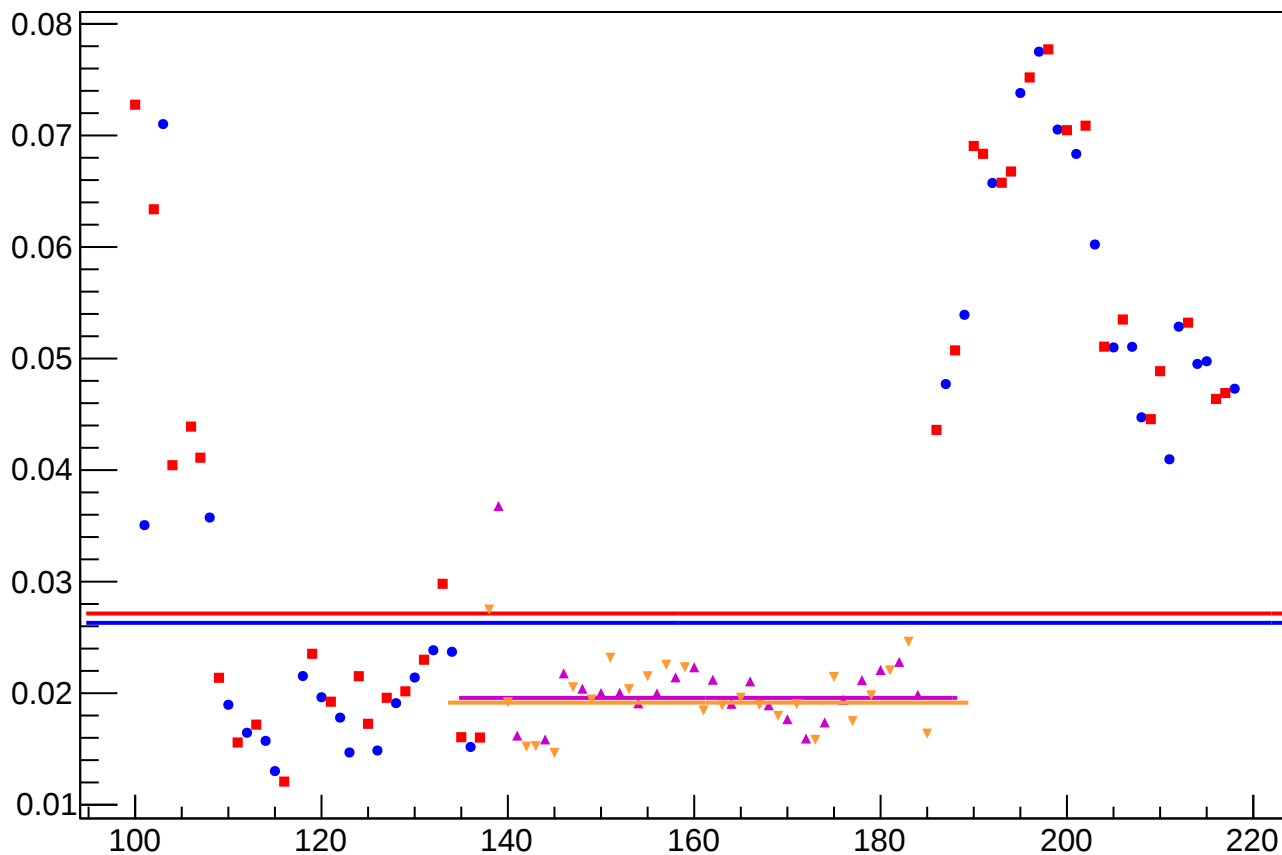
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.107 ± 0.000 χ^2/NDF : 390639820.0/57

All: -0.107 ± 0.000 χ^2/NDF : 795671740.3/11

- sign -0.107 ± 0.000 χ^2/NDF : 405014787.4/58

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: 0.027 $\pm$ 0.000 χ^2 /NDF: 9292400.1/35

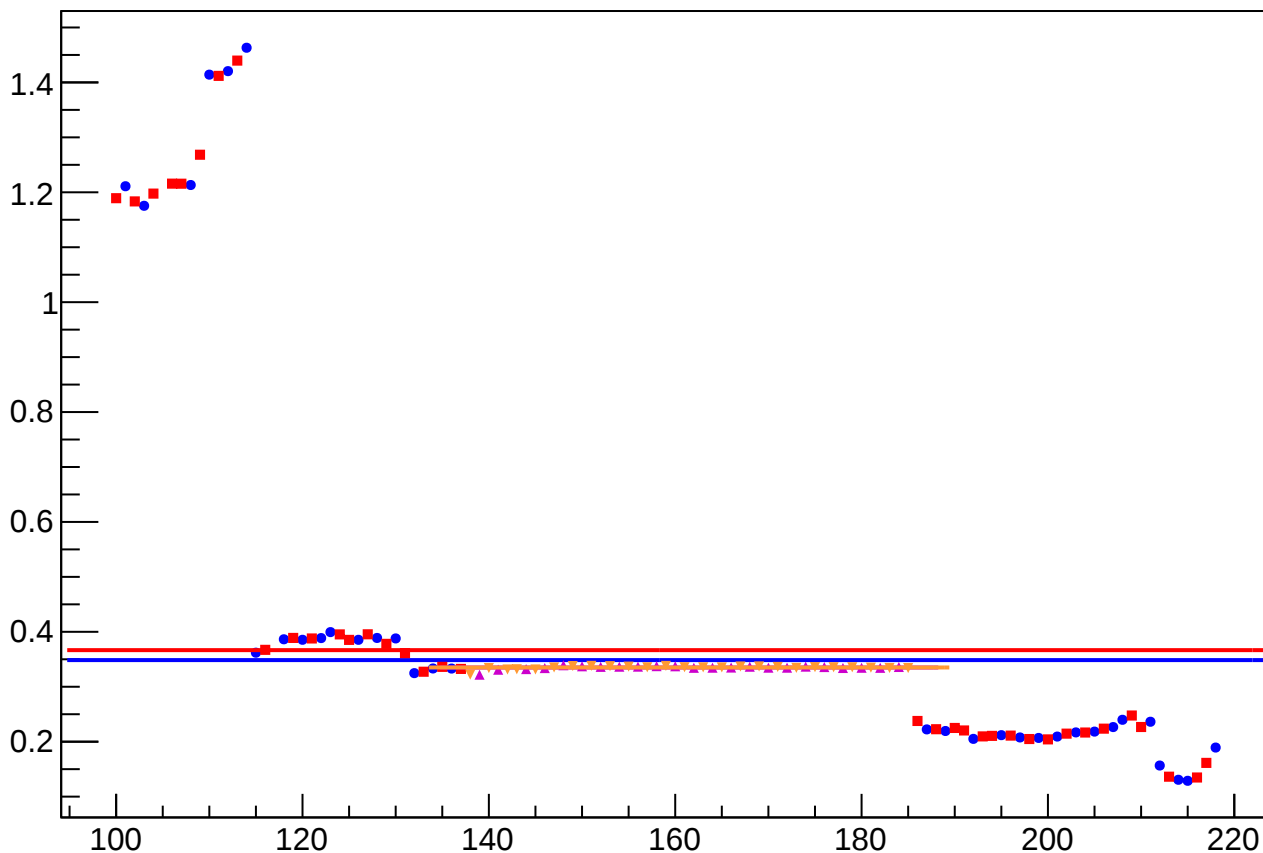
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11018400.0/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22326077.7/116

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11283649.8/58

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: 0.367 $\pm$ 0.000 χ^2 /NDF: 9074851395.5/35

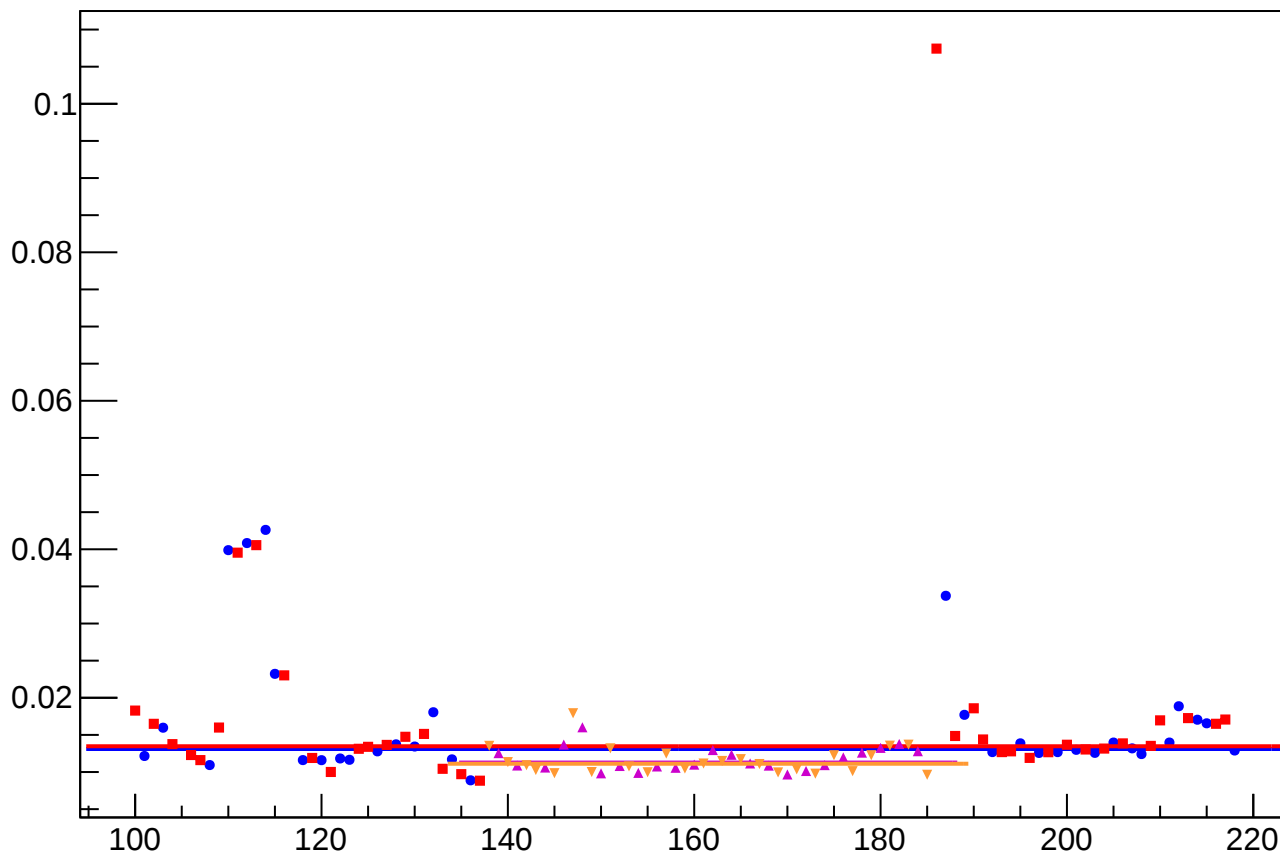
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198302.8/22

+ sign 0.340 $\pm$ 0.000 χ^2 /NDF: 8058669769.9/57

All: 0.344 $\pm$ 0.000 χ^2 /NDF: 17195181638.4/1

- sign 0.348 $\pm$ 0.000 χ^2 /NDF: 9129979010.5/58

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: 0.013 $\pm$ 0.000 χ^2 /NDF: 2209776.6/35

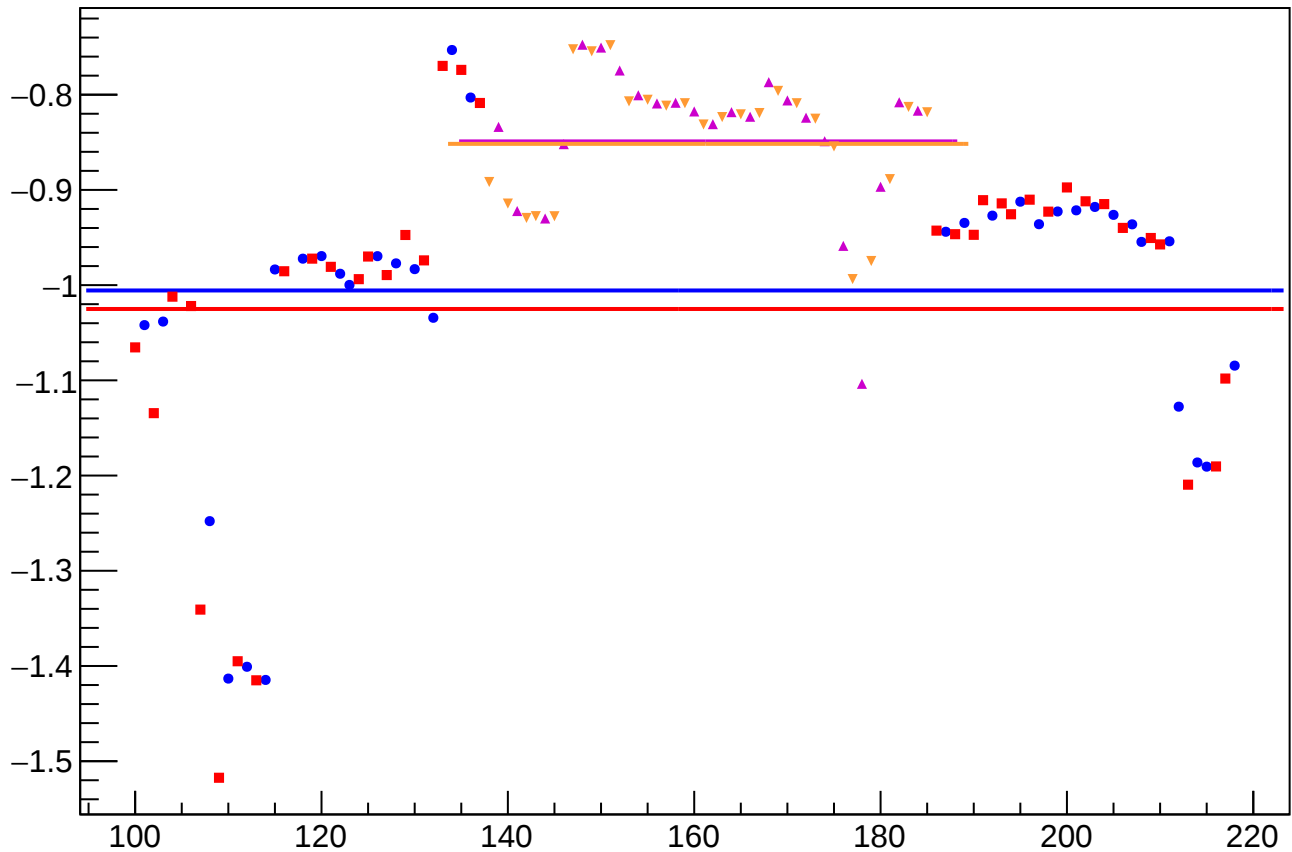
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2886529.8/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 6134313.7/116

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3231676.6/58

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: -1.025 ± 0.000 $\chi^2/\text{NDF}: 577169915.1/35$

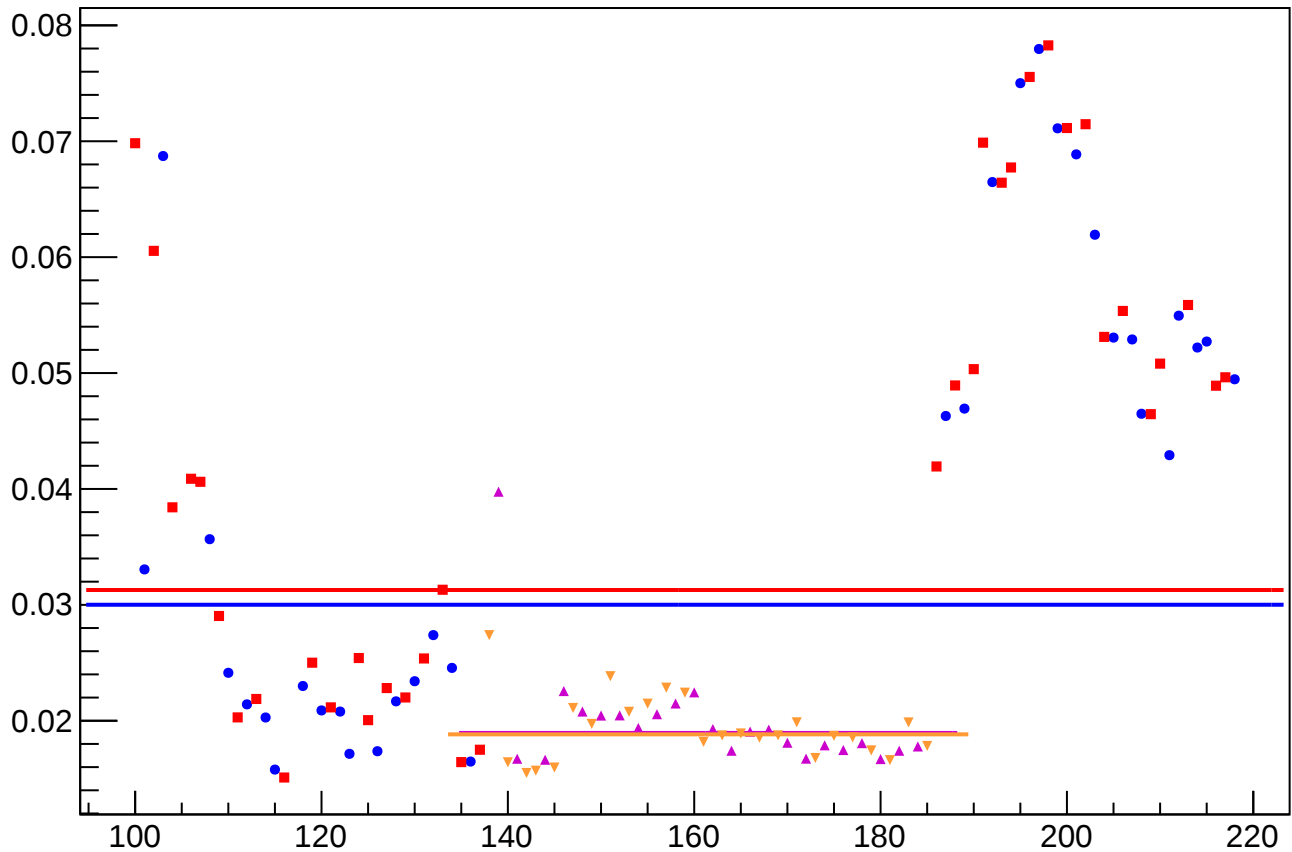
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256438306.8/22$

+ sign -0.891 ± 0.000 $\chi^2/\text{NDF}: 870566246.3/57$

All: -0.893 ± 0.000 $\chi^2/\text{NDF}: 2019127571.1/11$

- sign -0.895 ± 0.000 $\chi^2/\text{NDF}: 1148133392.6/58$

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: 0.031 $\pm$ 0.000 χ^2 /NDF: 7511207.7/35

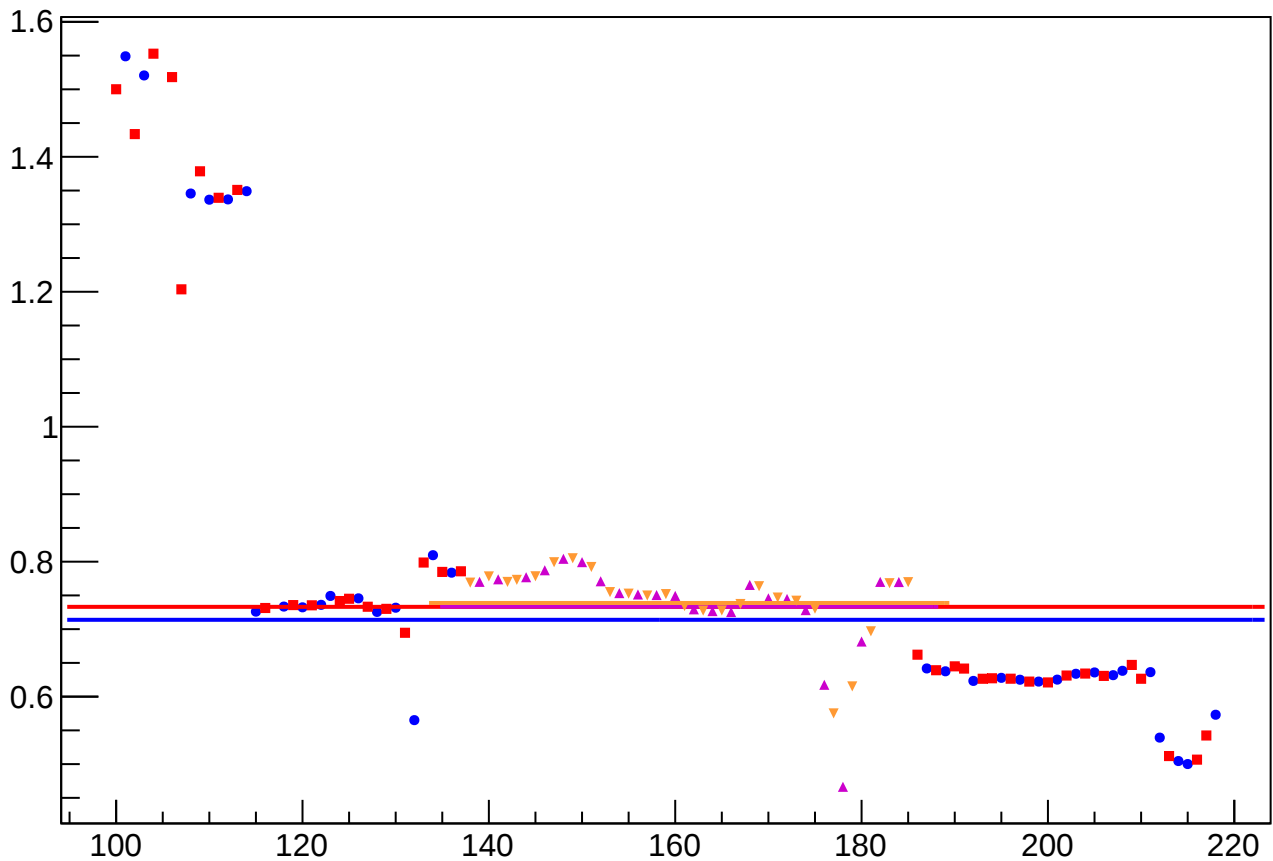
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10852014.4/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22109317.7/116

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11244710.5/58

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

+ sign 0.729 $\pm$ 0.000 χ^2 /NDF: 4264295822.2/57

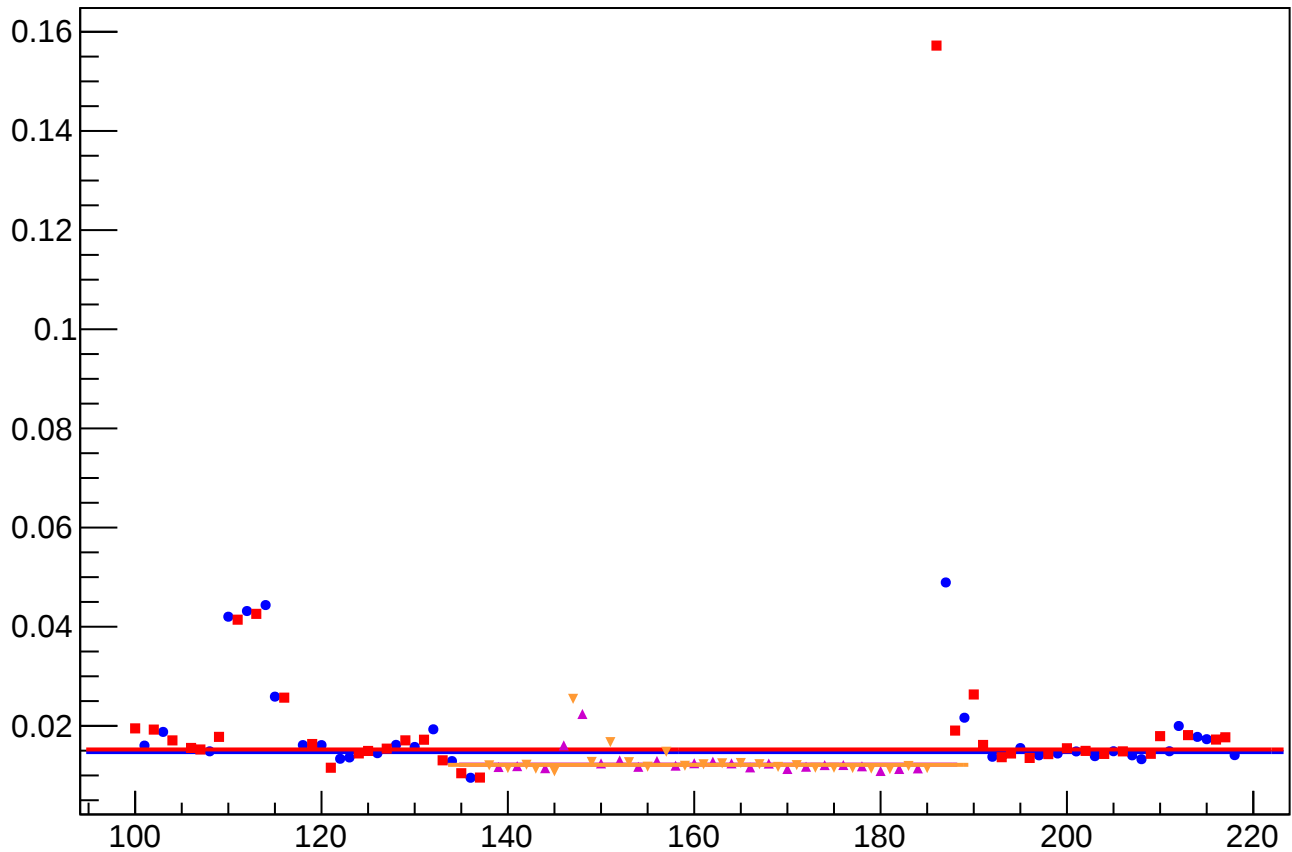
Right Out: 0.733 $\pm$ 0.000 χ^2 /NDF: 4186838710.7/35

All: 0.731 $\pm$ 0.000 χ^2 /NDF: 9022974826.7/11

- sign 0.733 $\pm$ 0.000 χ^2 /NDF: 4757106182.2/58

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1846280.6/32

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2210512.0/35

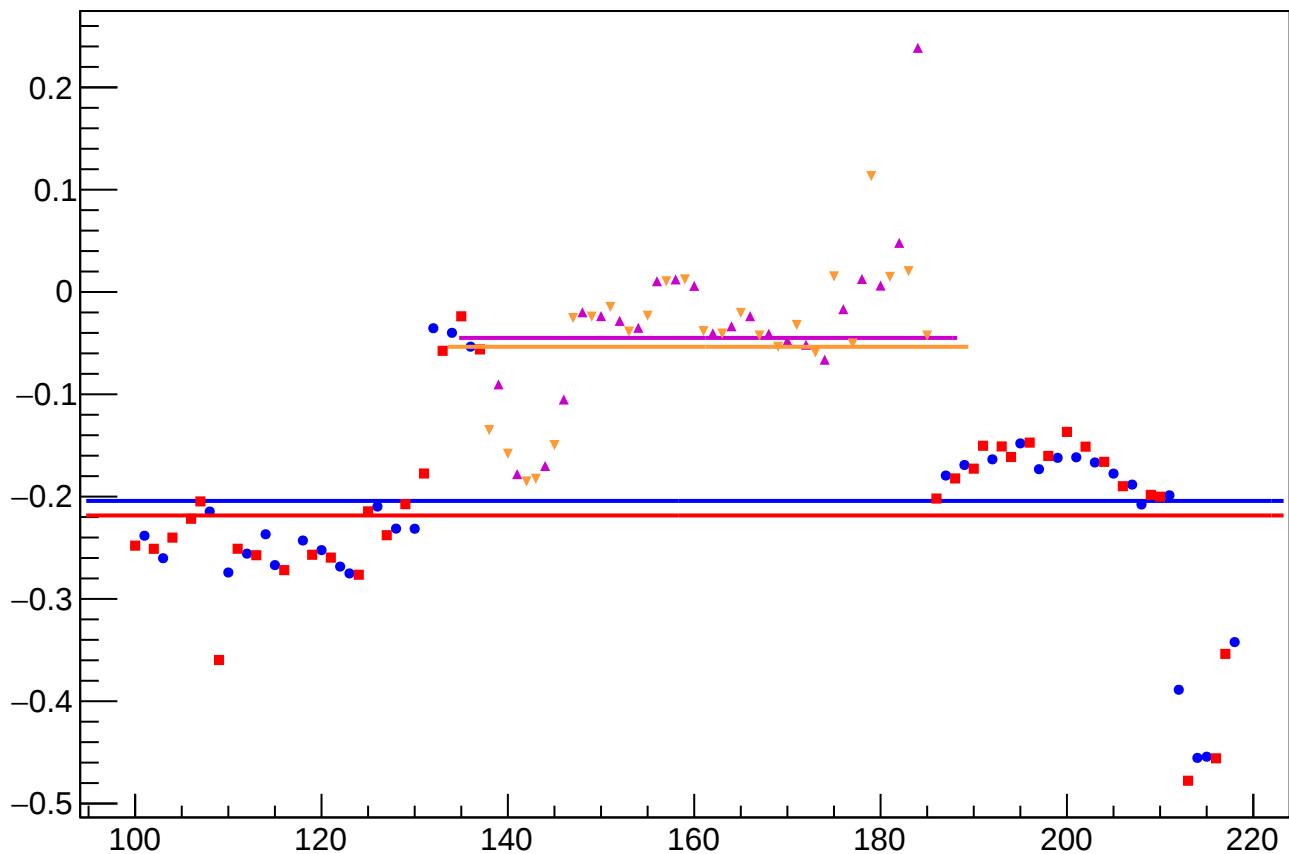
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 3096610.0/57

All: 0.013+/-0.000 χ^2/NDF : 6618685.5/116

- sign 0.013+/-0.000 χ^2/NDF : 3511088.3/58

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 : 155496543.4/35

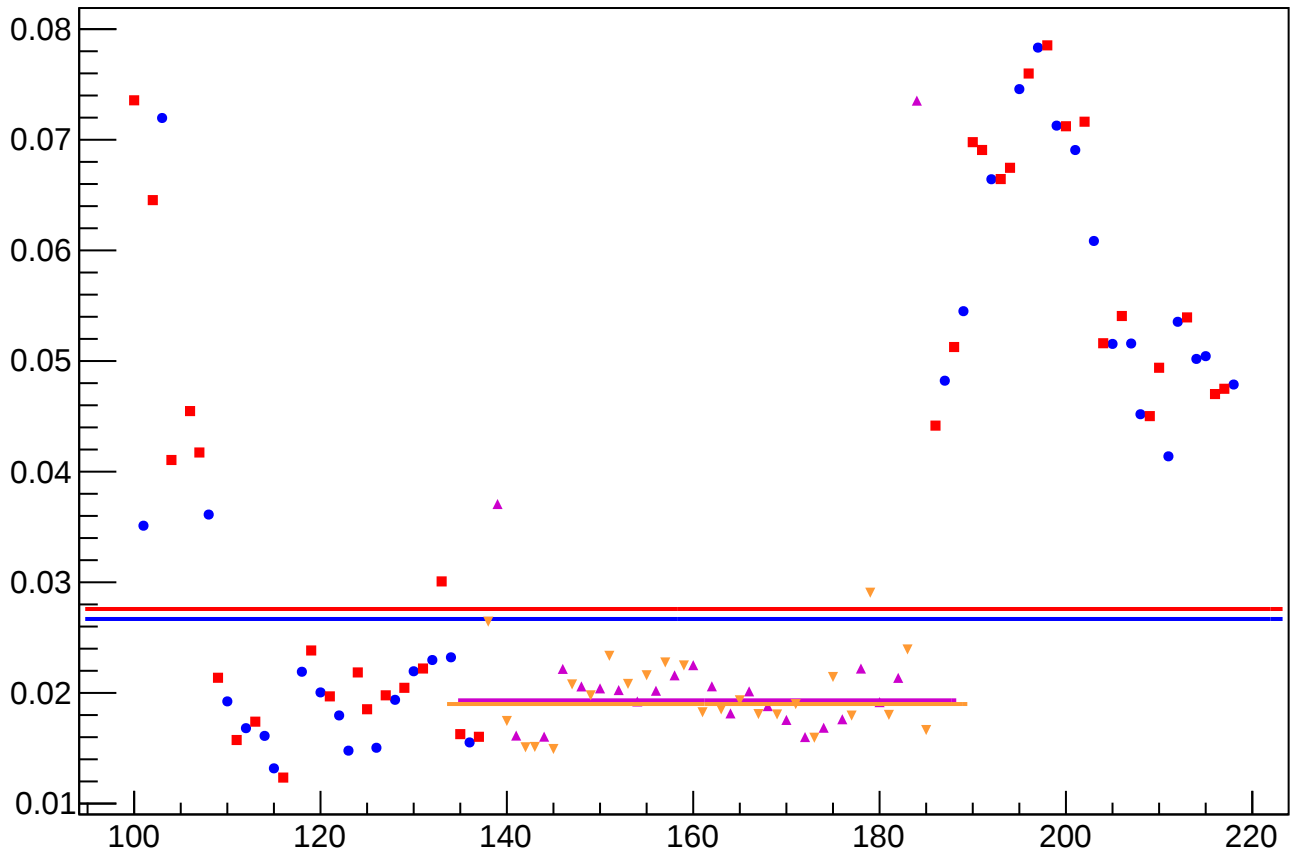
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.098 ± 0.000 χ^2/NDF : 601329762.4/57

All: -0.098 ± 0.000 χ^2/NDF : 1229000942.0/1

- sign -0.098 ± 0.000 χ^2/NDF : 627670591.1/58

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: 9229655.1/35

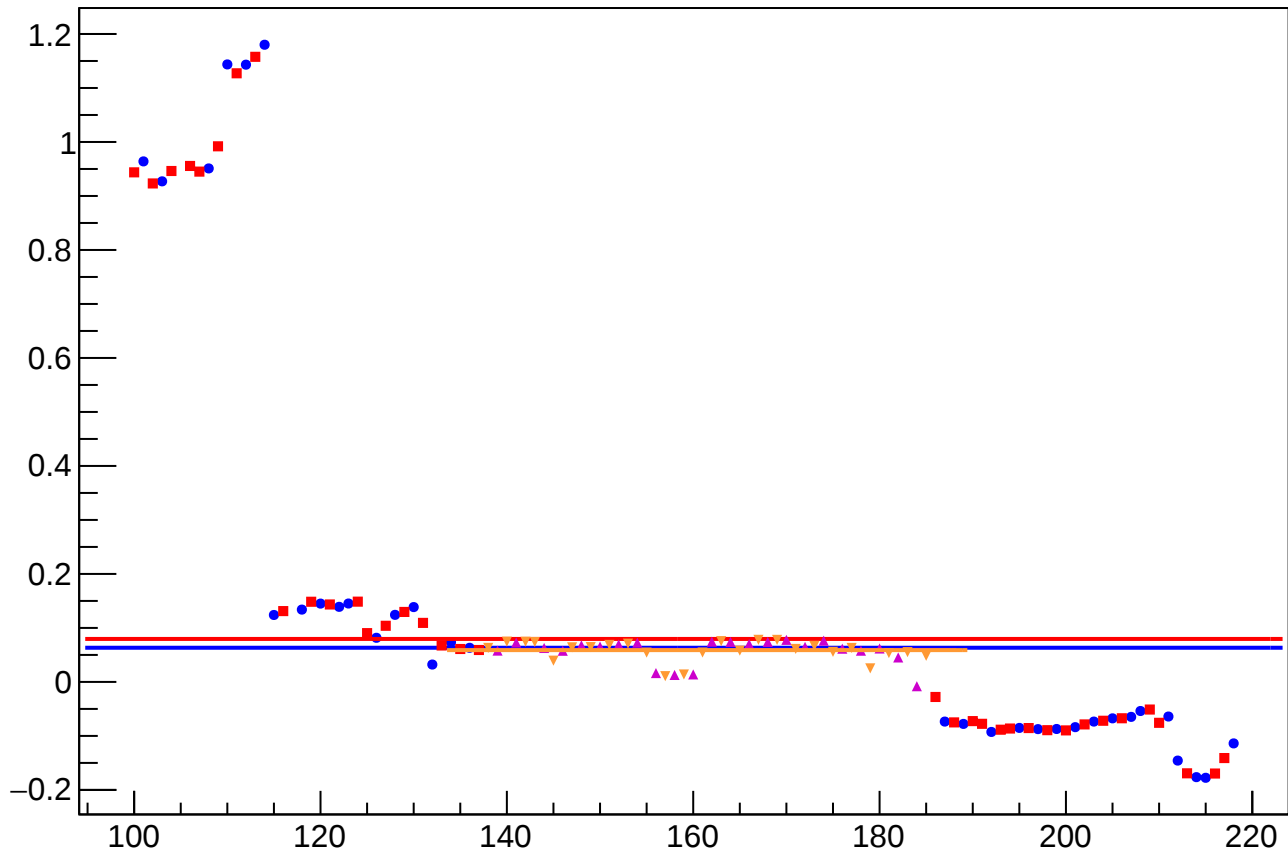
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11176120.2/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22878629.9/116

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11683371.7/58

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

Right Out: 0.080 $\pm$ 0.000 χ^2 /NDF: 9649848194.4/35

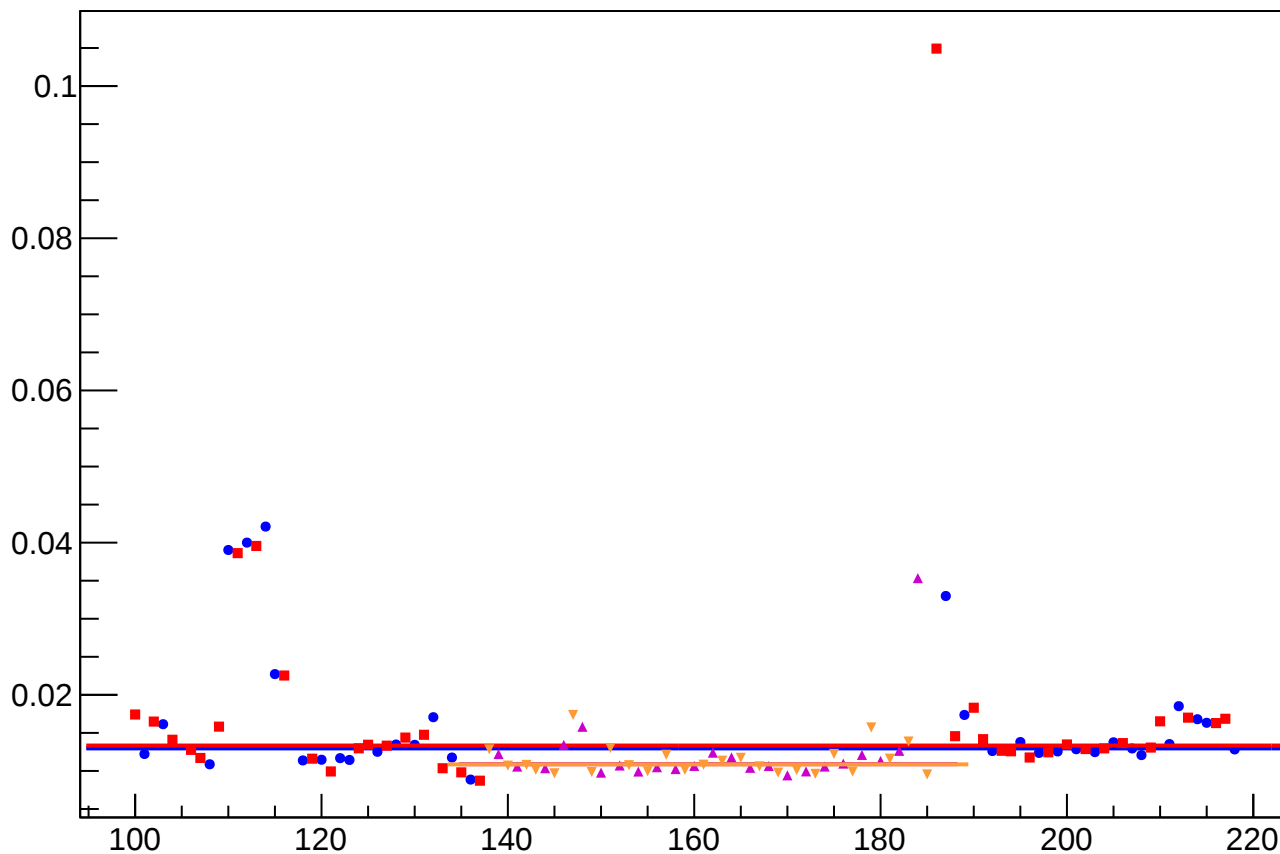
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.061 $\pm$ 0.000 χ^2 /NDF: 8839840514.2/57

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 18576963387.3/100

- sign 0.067 $\pm$ 0.000 χ^2 /NDF: 9731667391.2/58

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1782098.6/32

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2151385.7/35

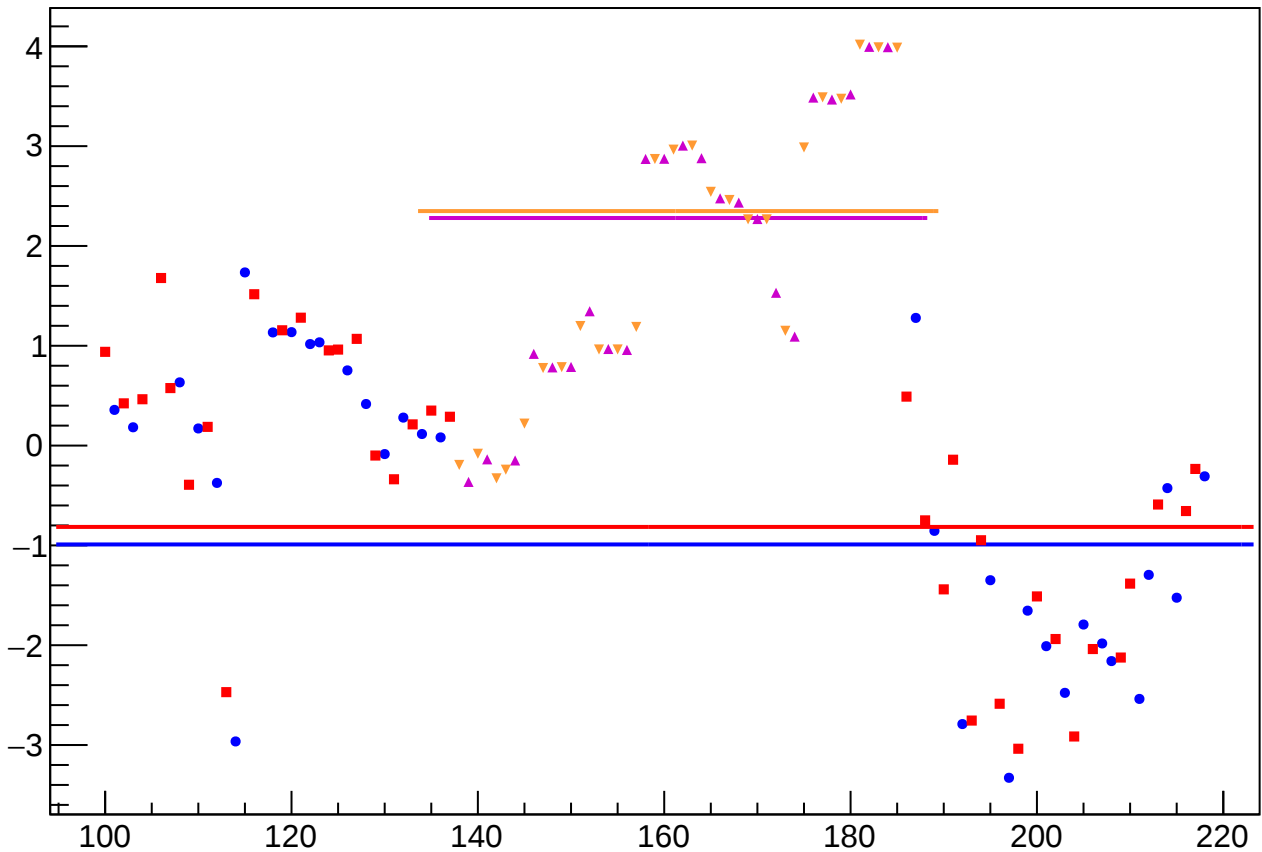
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 2899608.4/57

All: 0.012+/-0.000 χ^2/NDF : 6253652.7/116

- sign 0.012+/-0.000 χ^2/NDF : 3346847.0/58

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: -0.815 ± 0.000 $\chi^2/\text{NDF}: 8285096879.5/35$

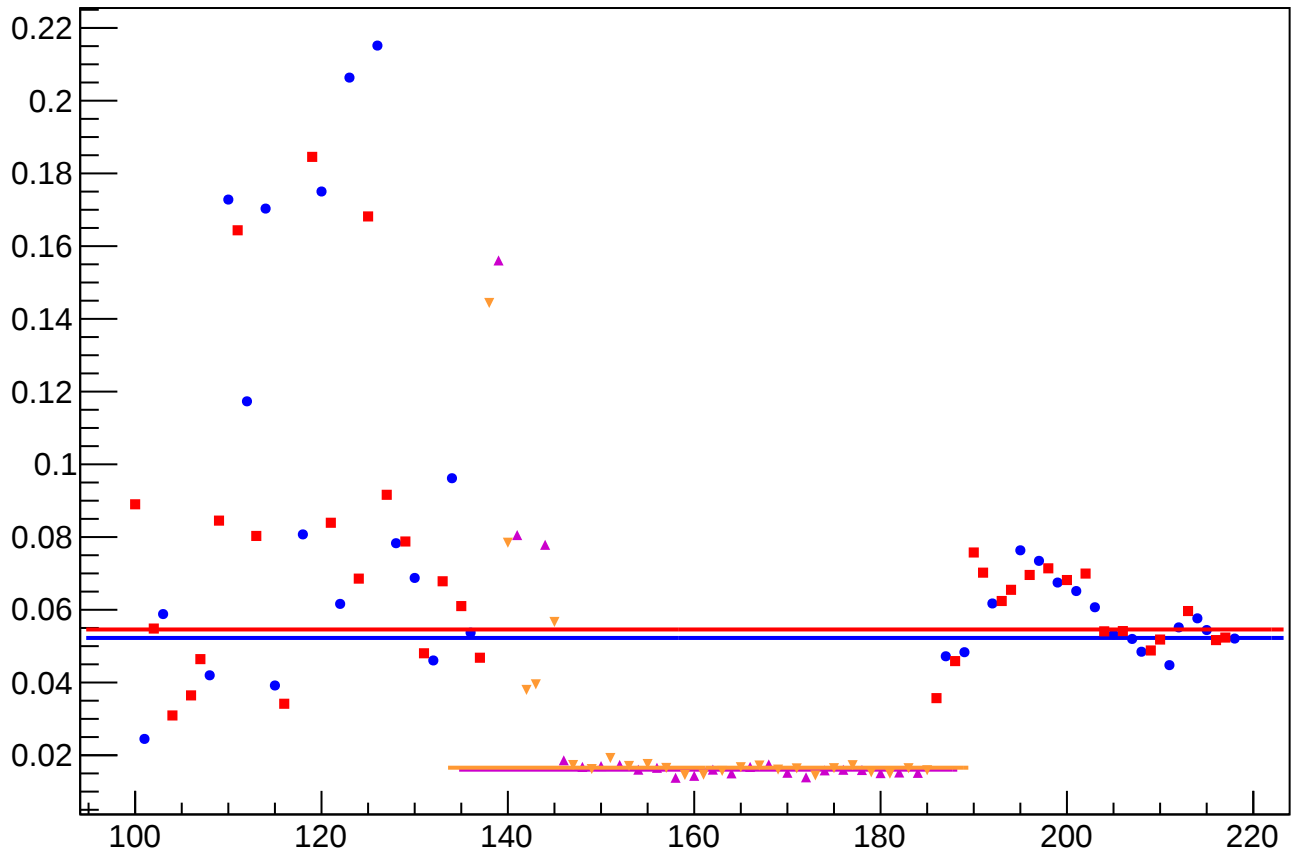
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.044 ± 0.000 $\chi^2/\text{NDF}: 123801920842.9/57$

All: 2.027 ± 0.000 $\chi^2/\text{NDF}: 236989531916.4$

- sign 2.011 ± 0.000 $\chi^2/\text{NDF}: 113157801743.9/58$

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: 0.055 $\pm$ 0.000 χ^2 /NDF: 2881852.3/35

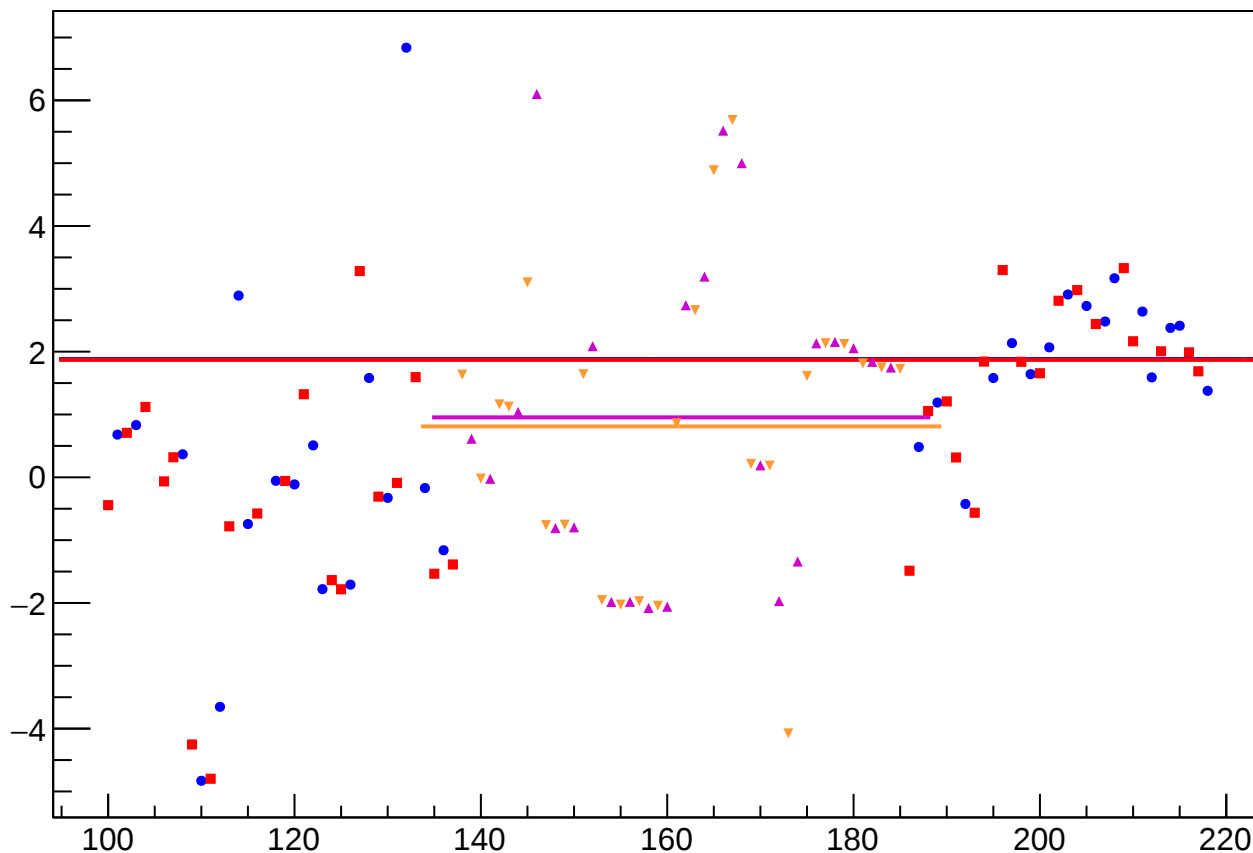
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 18062964.6/57

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 36900463.7/116

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 18825325.5/58

yield_bpm1Y_mean vs Slug



Right In: 1.882 $\pm$ 0.000 χ^2 /NDF: 40044475555.7/32

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.869 $\pm$ 0.000 χ^2 /NDF: 39627303231.6/35

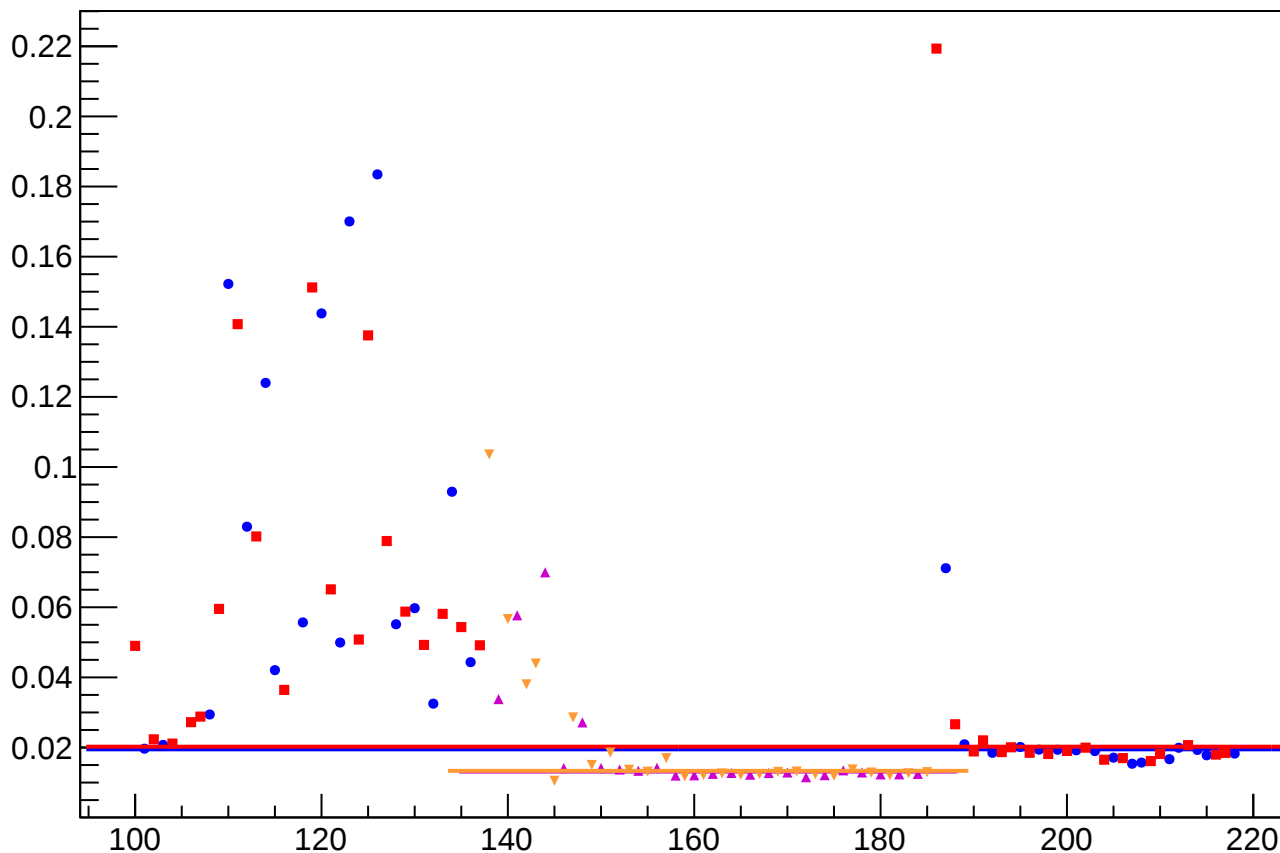
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 1.114 $\pm$ 0.000 χ^2 /NDF: 575305685020.7/57

All: 1.157 $\pm$ 0.000 χ^2 /NDF: 1209522098433.

- sign 1.201 $\pm$ 0.000 χ^2 /NDF: 633766247318.3/58

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 : 5203730.9/35

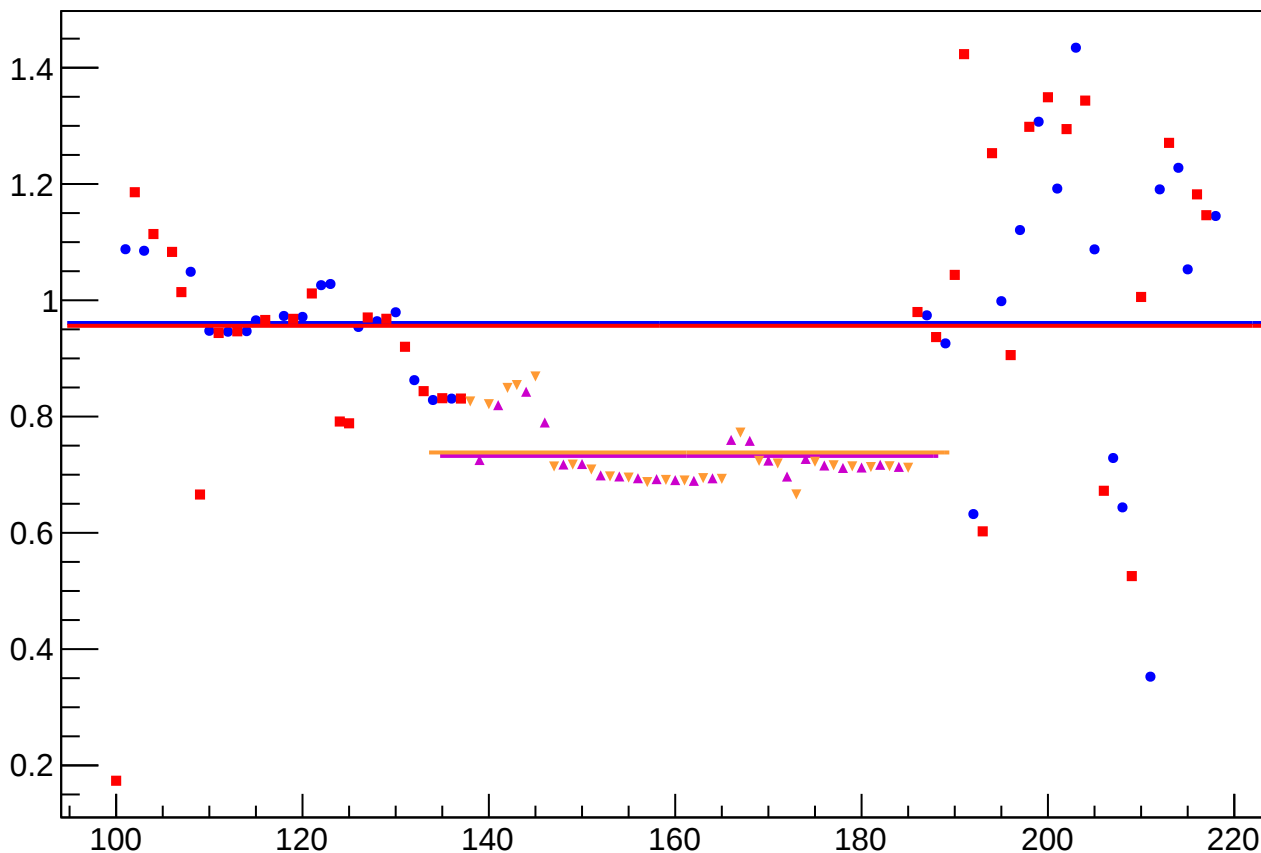
Left In: 0.013+/-0.000 χ^2/NDF : 1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8779293.3/57

All: 0.015+/-0.000 χ^2/NDF : 18280403.2/116

- sign 0.015+/-0.000 χ^2/NDF : 9501010.7/58

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: 0.956+/-0.000 χ^2/NDF : 1277973098.9/35

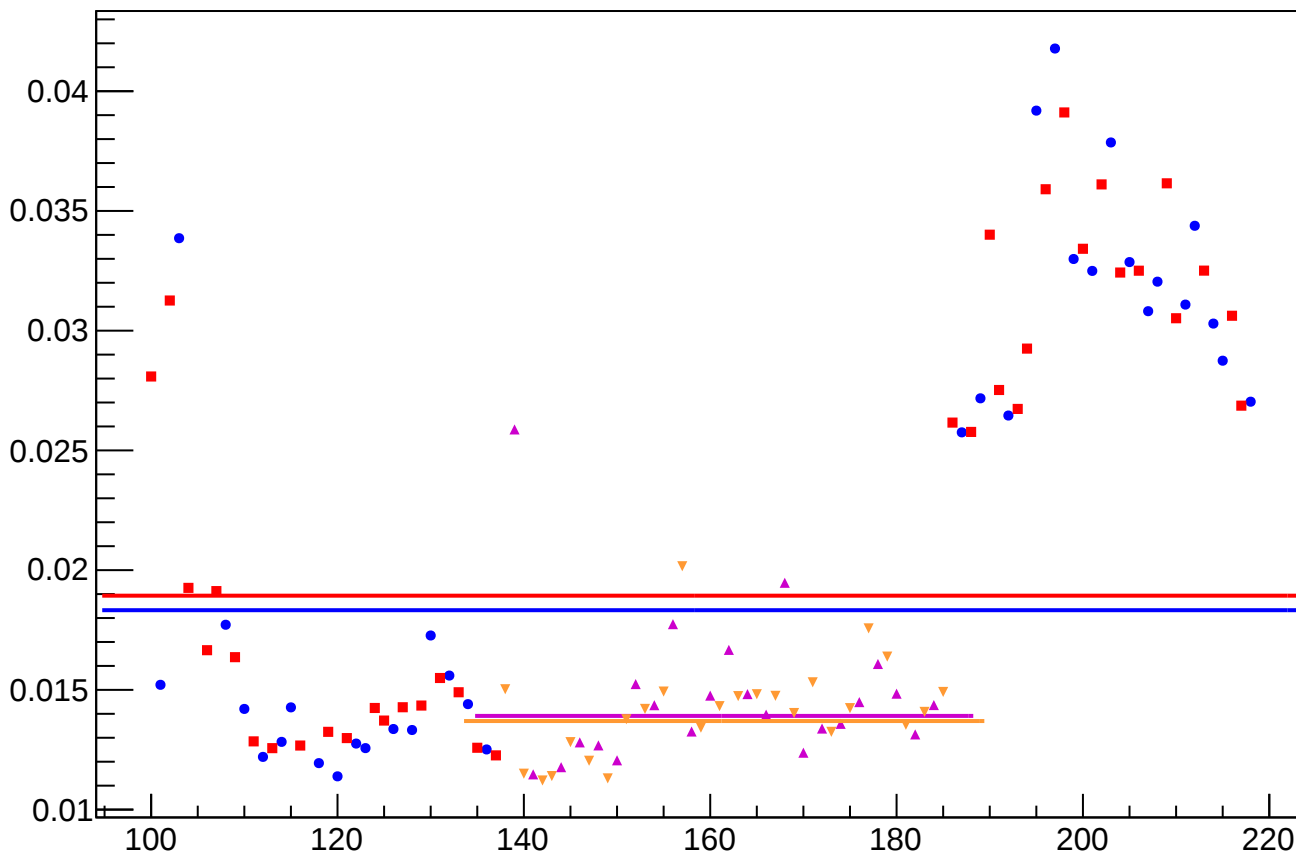
Left In: 0.732+/-0.000 χ^2/NDF : 170806298.1/22

+ sign 0.810+/-0.000 χ^2/NDF : 2704648547.1/57

All: 0.809+/-0.000 χ^2/NDF : 5505111174.8/11

- sign 0.807+/-0.000 χ^2/NDF : 2800105894.0/58

yield_bpm11X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 5723174.1/32

Left Out: 0.014+/-0.000 χ^2/NDF : 530851.9/24

Right Out: 0.019+/-0.000 χ^2/NDF : 5131952.5/35

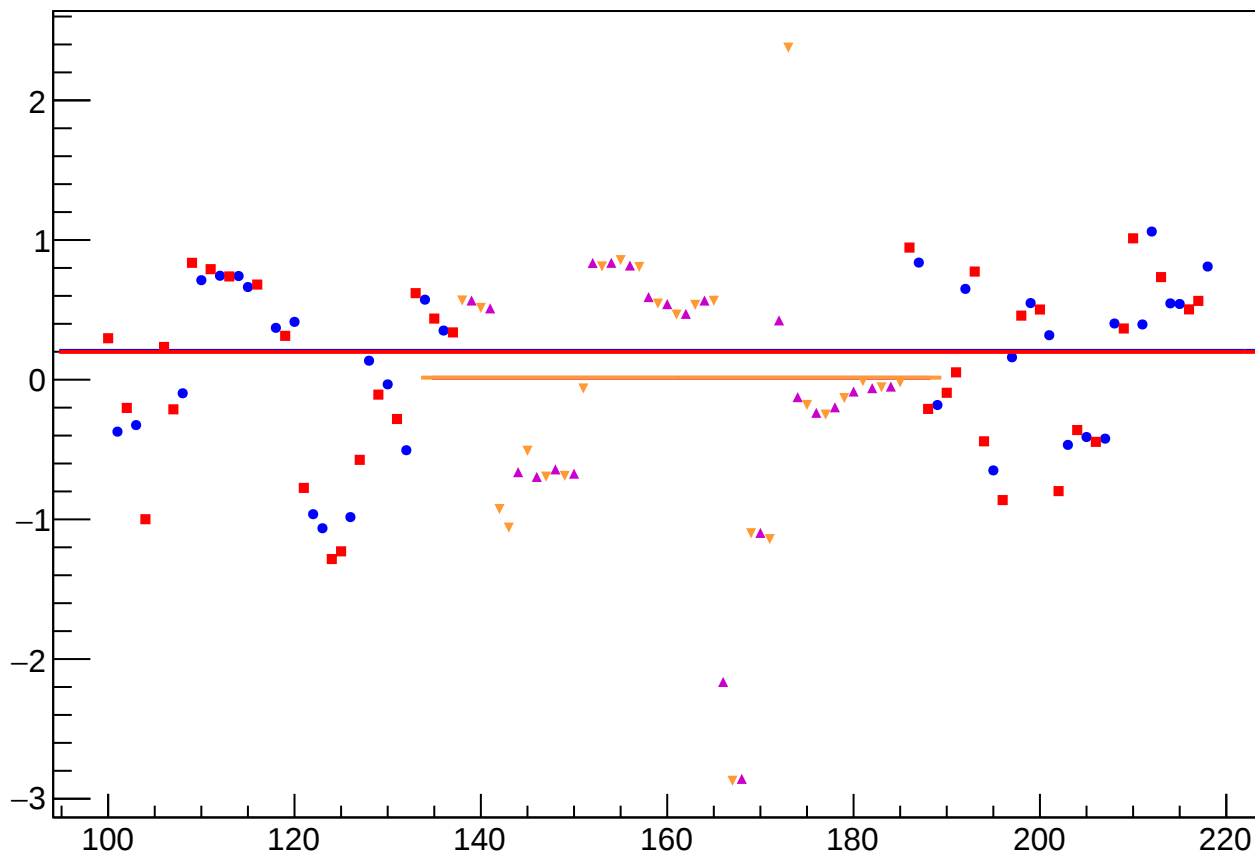
Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

+ sign 0.015+/-0.000 χ^2/NDF : 7446205.3/57

All: 0.015+/-0.000 χ^2/NDF : 14754236.0/116

- sign 0.016+/-0.000 χ^2/NDF : 7287023.2/58

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: 0.199 $\pm$ 0.000 χ^2 /NDF: 42711118894.5/35

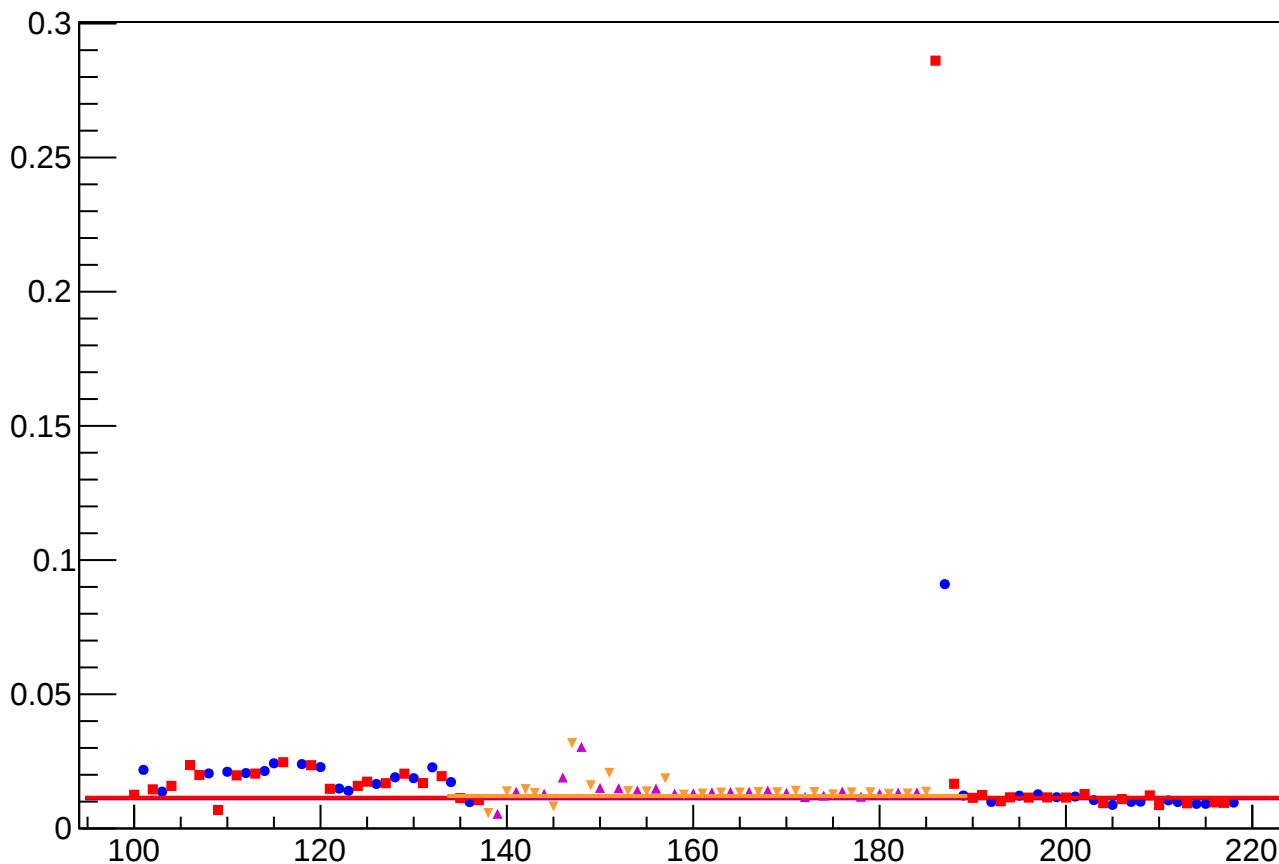
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.115 $\pm$ 0.000 χ^2 /NDF: 132105110178.1/57

All: 0.113 $\pm$ 0.000 χ^2 /NDF: 256191346483.0

- sign 0.110 $\pm$ 0.000 χ^2 /NDF: 124084071760.4/58

yield_bpm11Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2621508.8/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 3085722.7/35

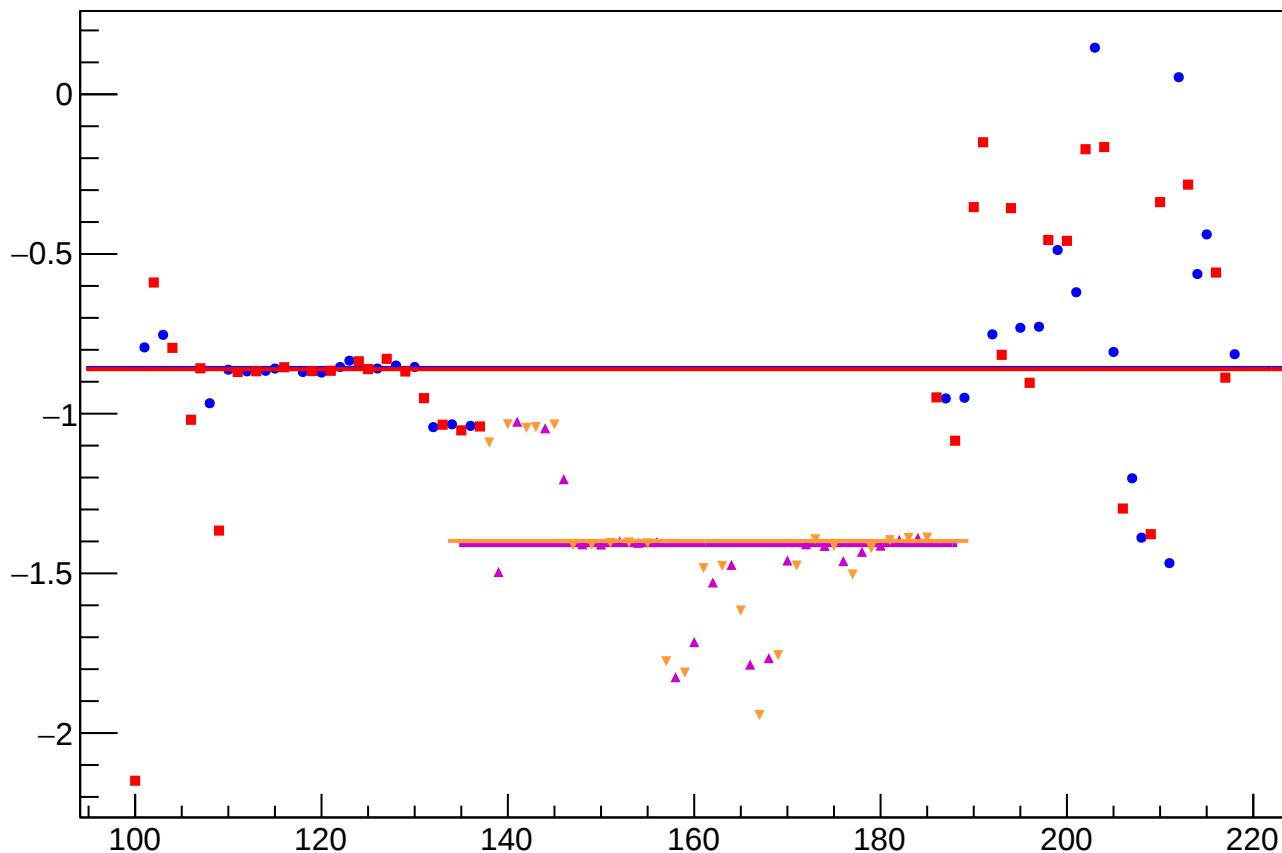
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5816755.1/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 12033093.1/116

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6216209.0/58

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: -0.861 ± 0.000 χ^2/NDF : 493161579.9/35

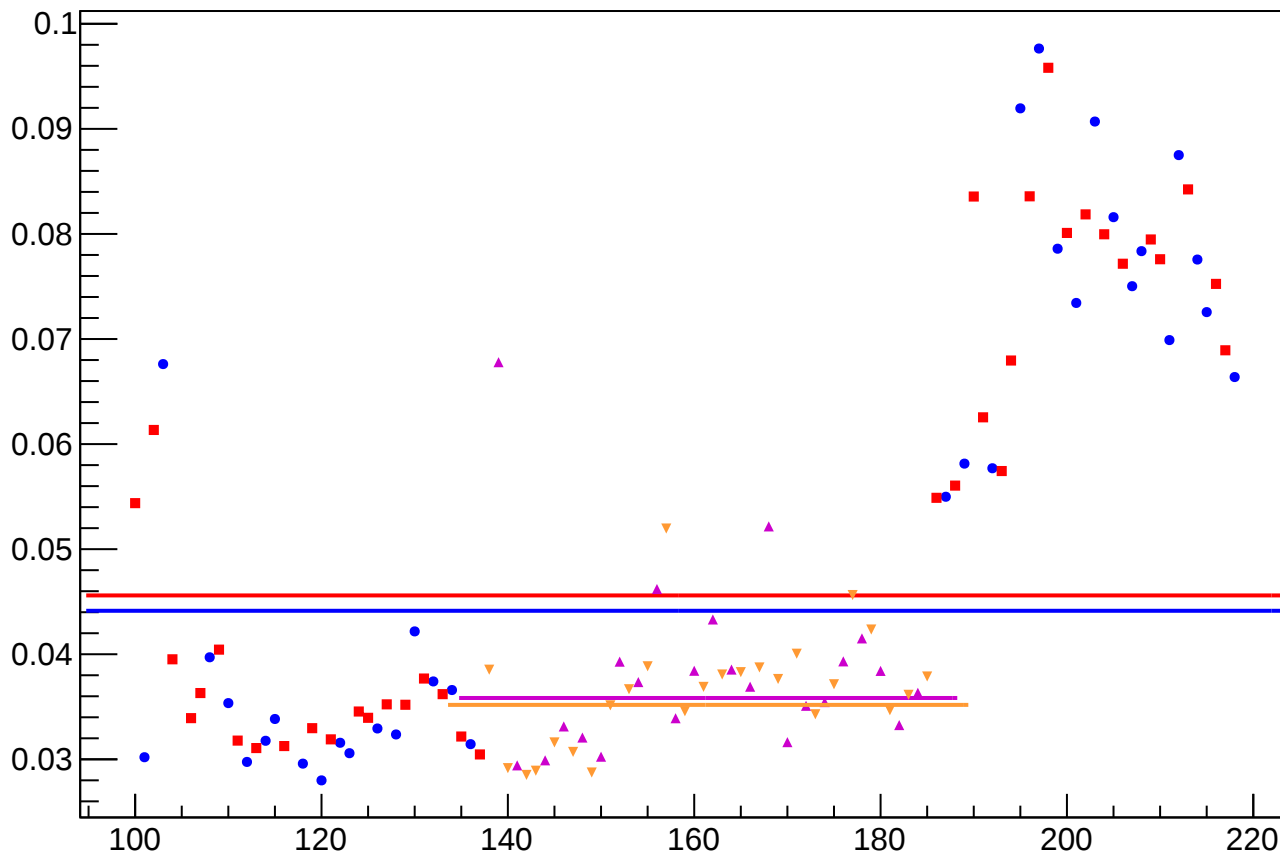
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.205 ± 0.000 χ^2/NDF : 2466086642.5/57

All: -1.206 ± 0.000 χ^2/NDF : 4827118014.9/1

- sign -1.206 ± 0.000 χ^2/NDF : 2361022249.8/58

yield_bpm12X_rms vs Slug



Right In: 0.044 ± 0.000 χ^2/NDF : 5546181.5/32

Left Out: 0.035 ± 0.000 χ^2/NDF : 597886.0/24

Right Out: 0.046 ± 0.000 χ^2/NDF : 4747421.2/35

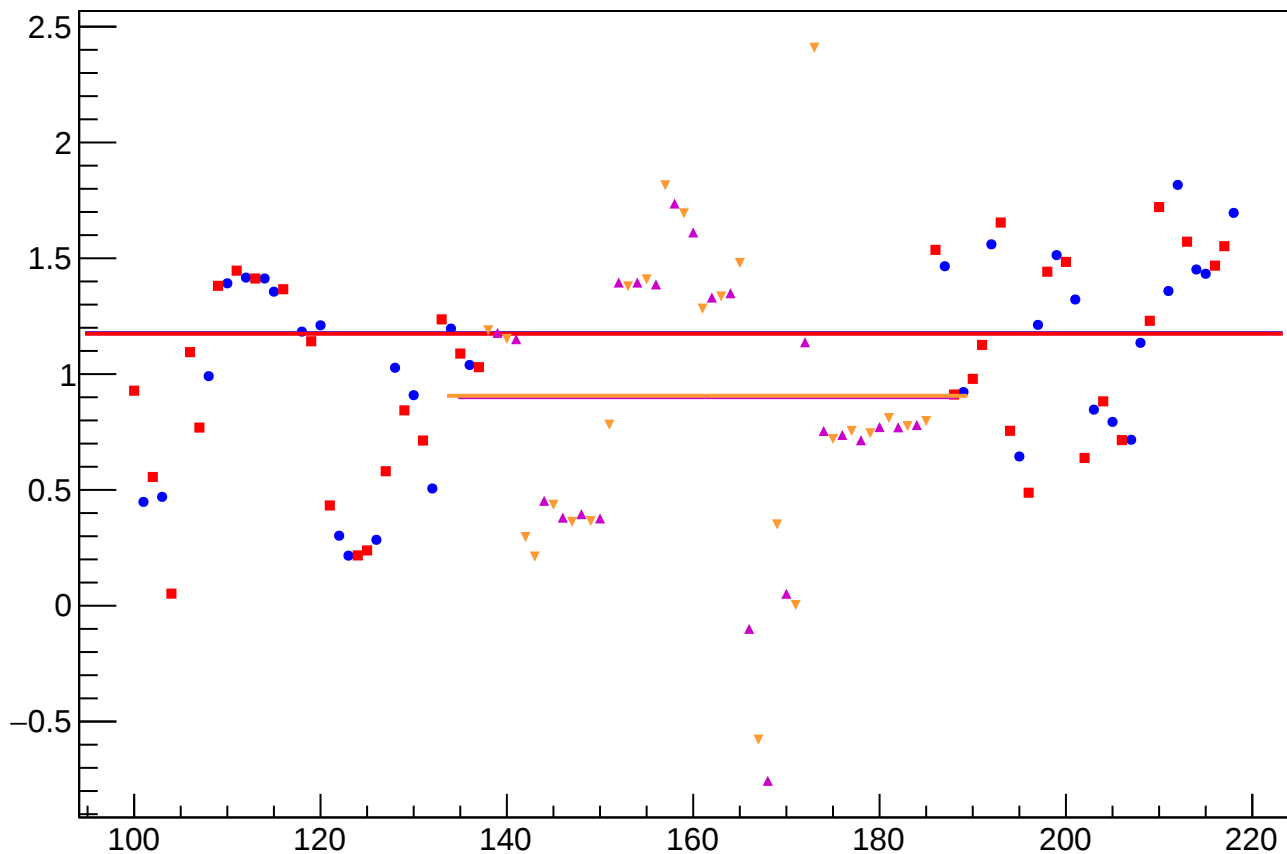
Left In: 0.036 ± 0.000 χ^2/NDF : 890993.5/22

+ sign 0.038 ± 0.000 χ^2/NDF : 6887657.7/57

All: 0.039 ± 0.000 χ^2/NDF : 13401025.7/116

- sign 0.039 ± 0.000 χ^2/NDF : 6489601.4/58

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: 1.174 $\pm$ 0.000 χ^2 /NDF: 50361557581.1/35

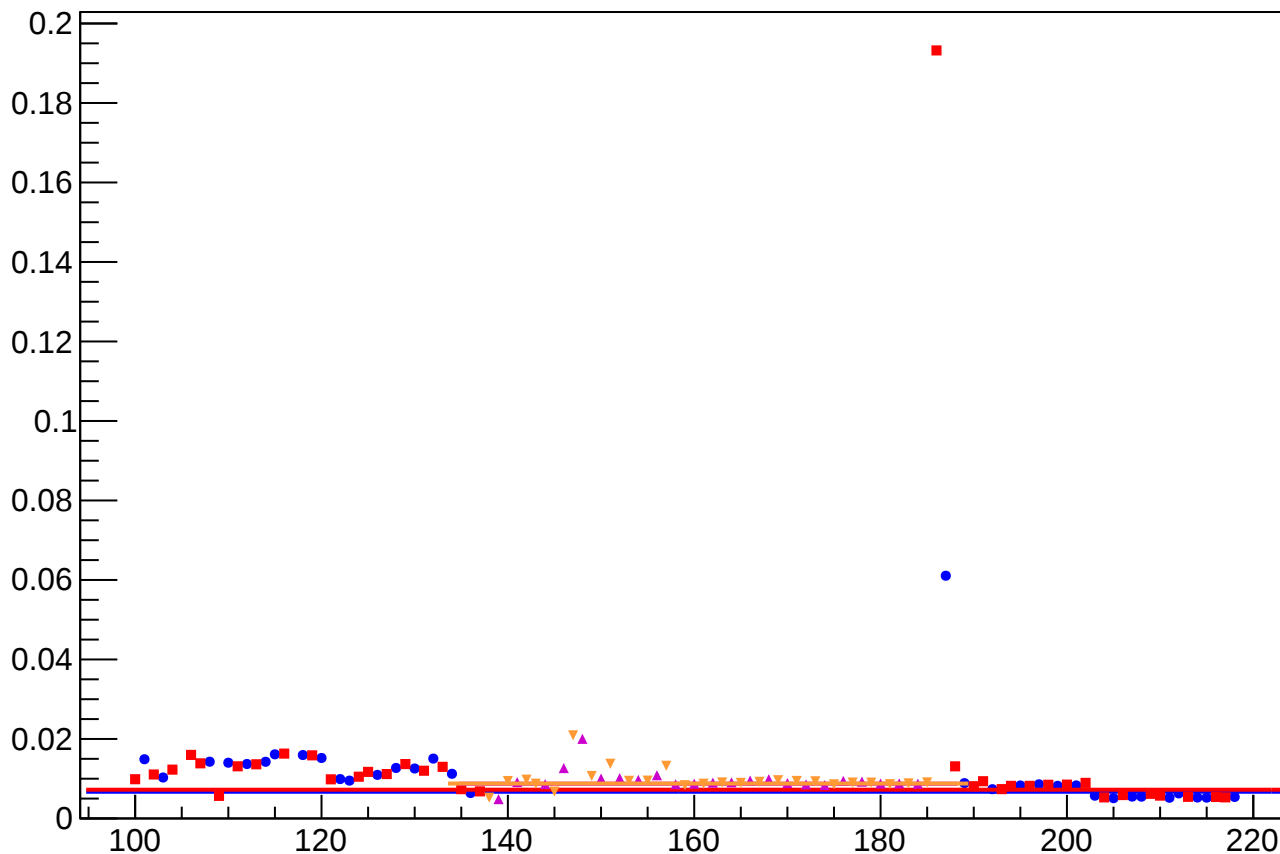
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 1.069 $\pm$ 0.000 χ^2 /NDF: 143515643965.9/57

All: 1.065 $\pm$ 0.000 χ^2 /NDF: 269929784322.0

- sign 1.060 $\pm$ 0.000 χ^2 /NDF: 126394180051.3/58

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3797165.4/32

Left Out: 0.009+/-0.000 χ^2/NDF : 1698526.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4089673.8/35

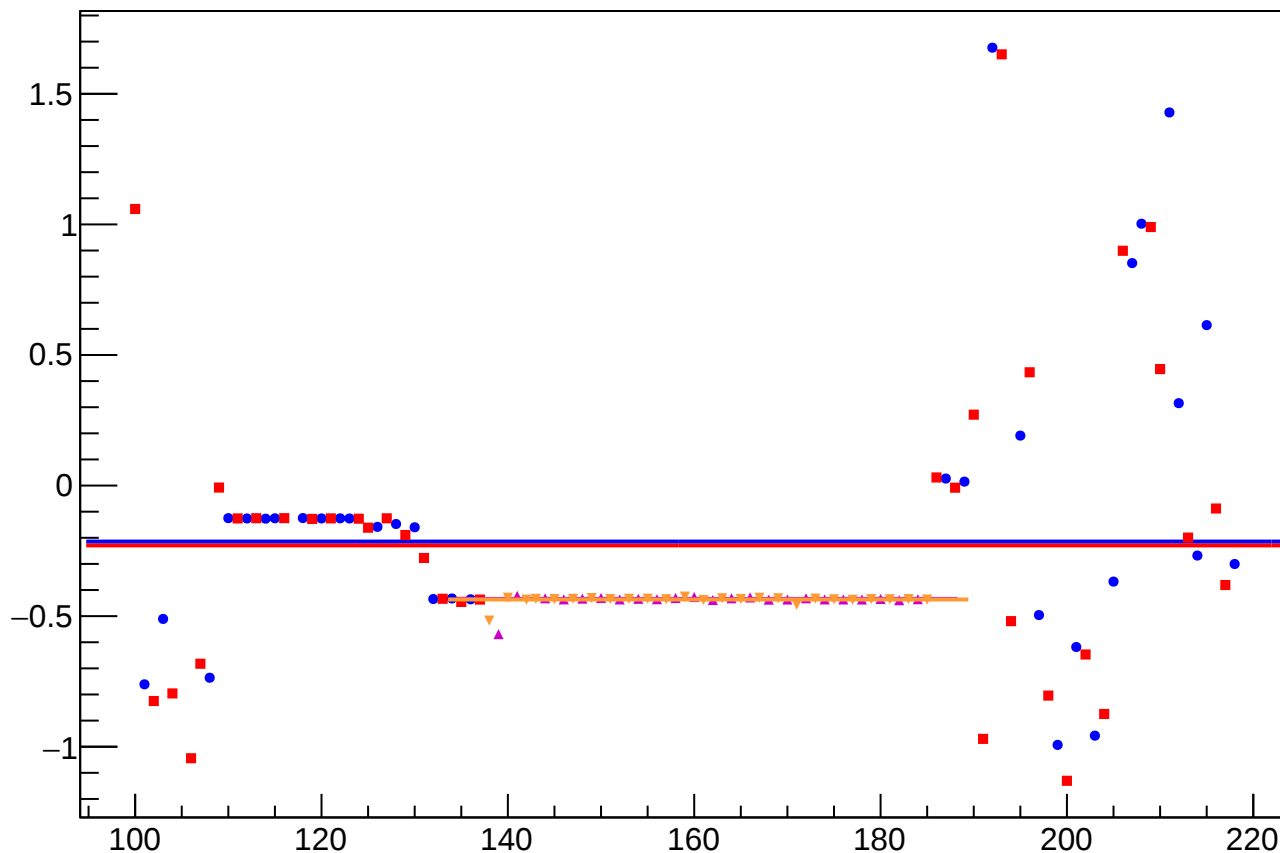
Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/22

+ sign 0.008+/-0.000 χ^2/NDF : 6620066.3/57

All: 0.008+/-0.000 χ^2/NDF : 12981777.4/116

- sign 0.008+/-0.000 χ^2/NDF : 6308964.7/58

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: -0.229+/-0.000 χ^2/NDF : 3431148881.8/35

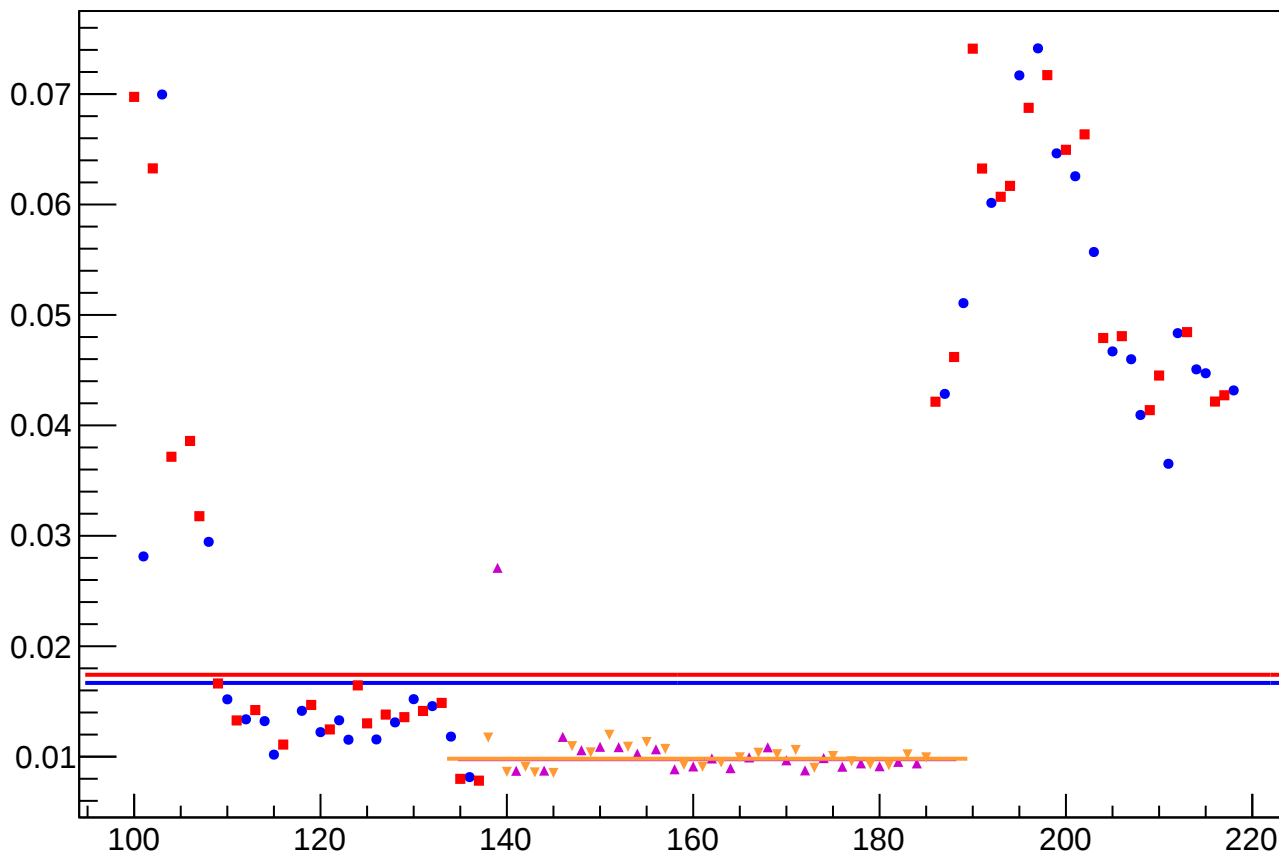
Left In: -0.434+/-0.000 χ^2/NDF : 20164730.3/22

+ sign -0.396+/-0.000 χ^2/NDF : 6458869232.1/57

All: -0.396+/-0.000 χ^2/NDF : 11077213128.1/103

- sign -0.397+/-0.000 χ^2/NDF : 4618282514.3/58

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: 0.017 $\pm$ 0.000 χ^2 /NDF: 13287321.0/35

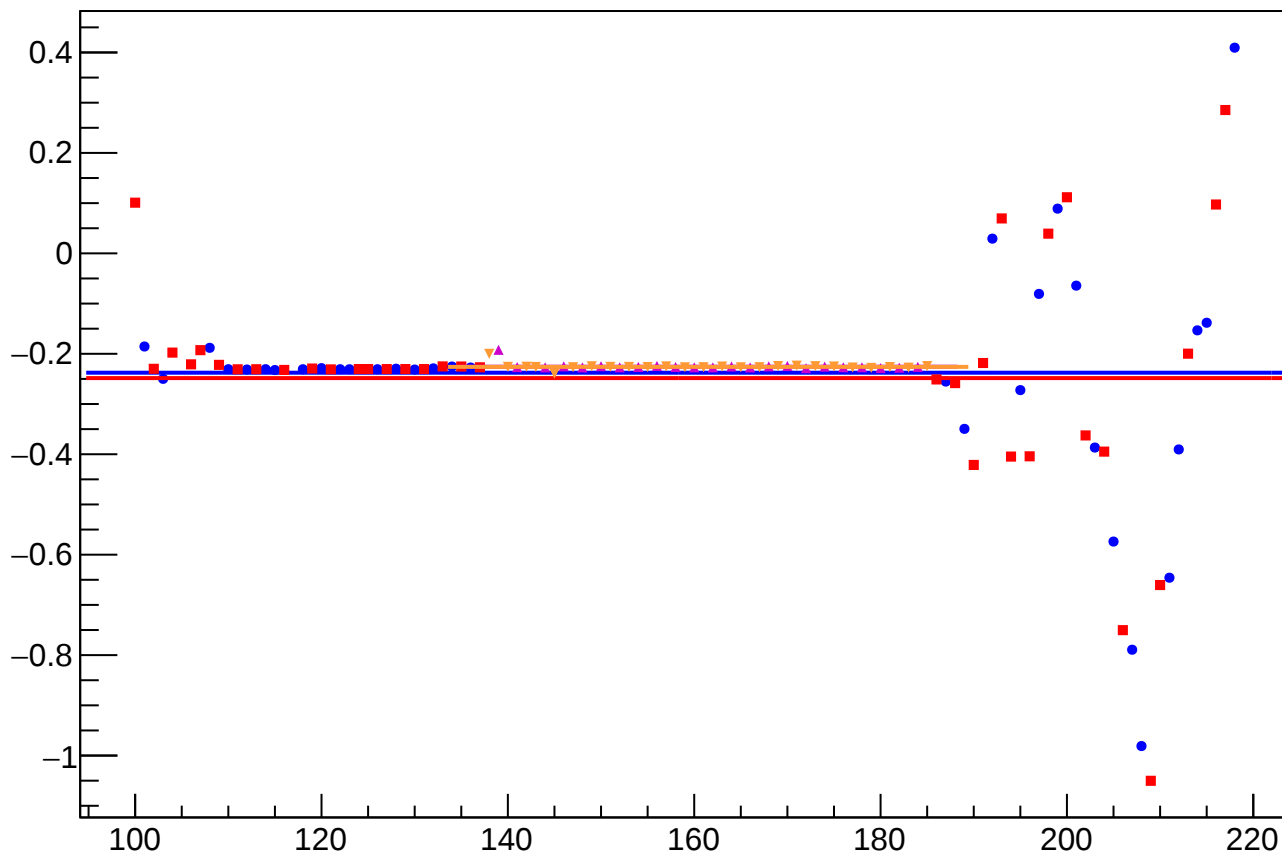
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 16138861.5/57

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 33465872.1/116

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 17325024.9/58

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: -0.248+/-0.000 χ^2/NDF : 30054361401.0/35

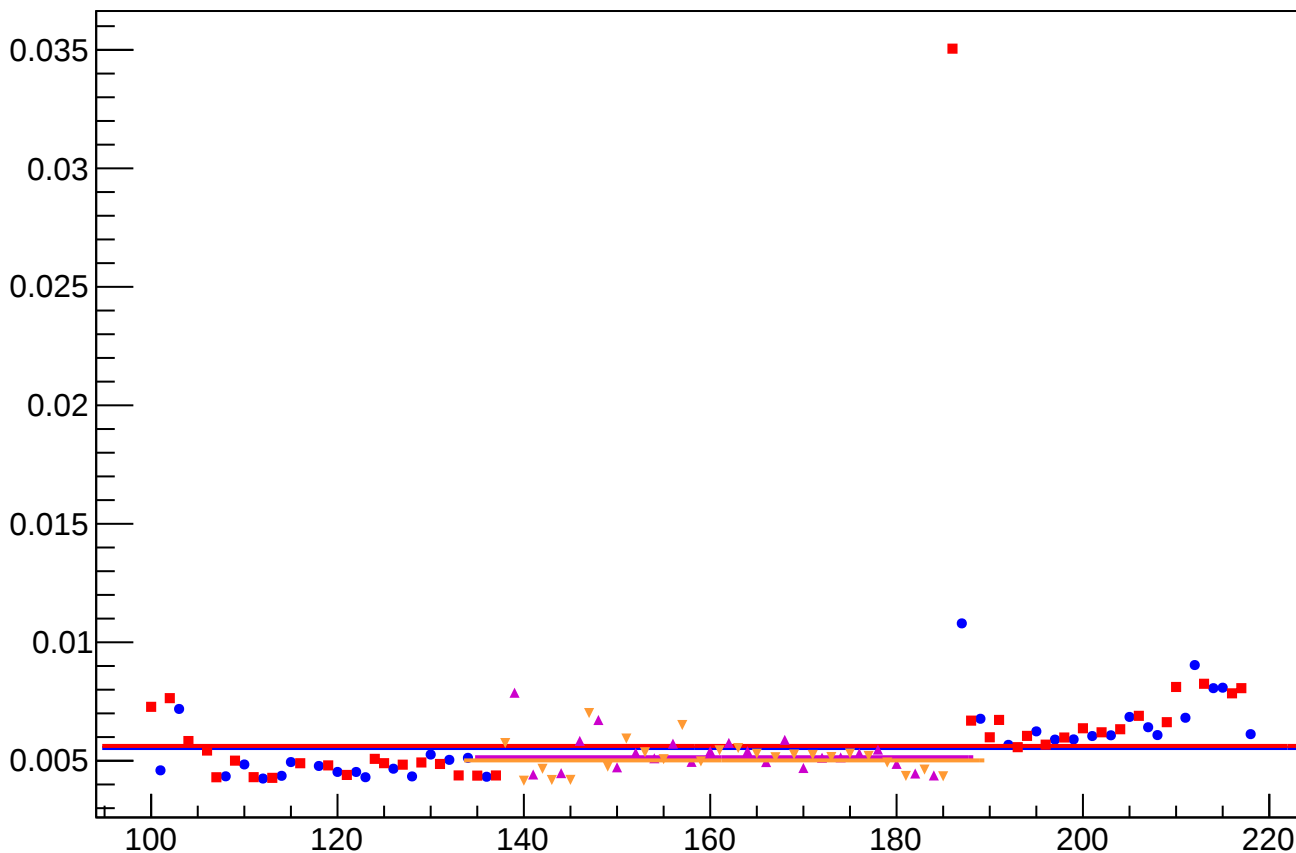
Left In: -0.226+/-0.000 χ^2/NDF : 13717302.5/22

+ sign -0.231+/-0.000 χ^2/NDF : 33599113359.8/57

All: -0.234+/-0.000 χ^2/NDF : 63828357992.4/100

- sign -0.236+/-0.000 χ^2/NDF : 30214098648.1/58

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 : 1863740.5/35

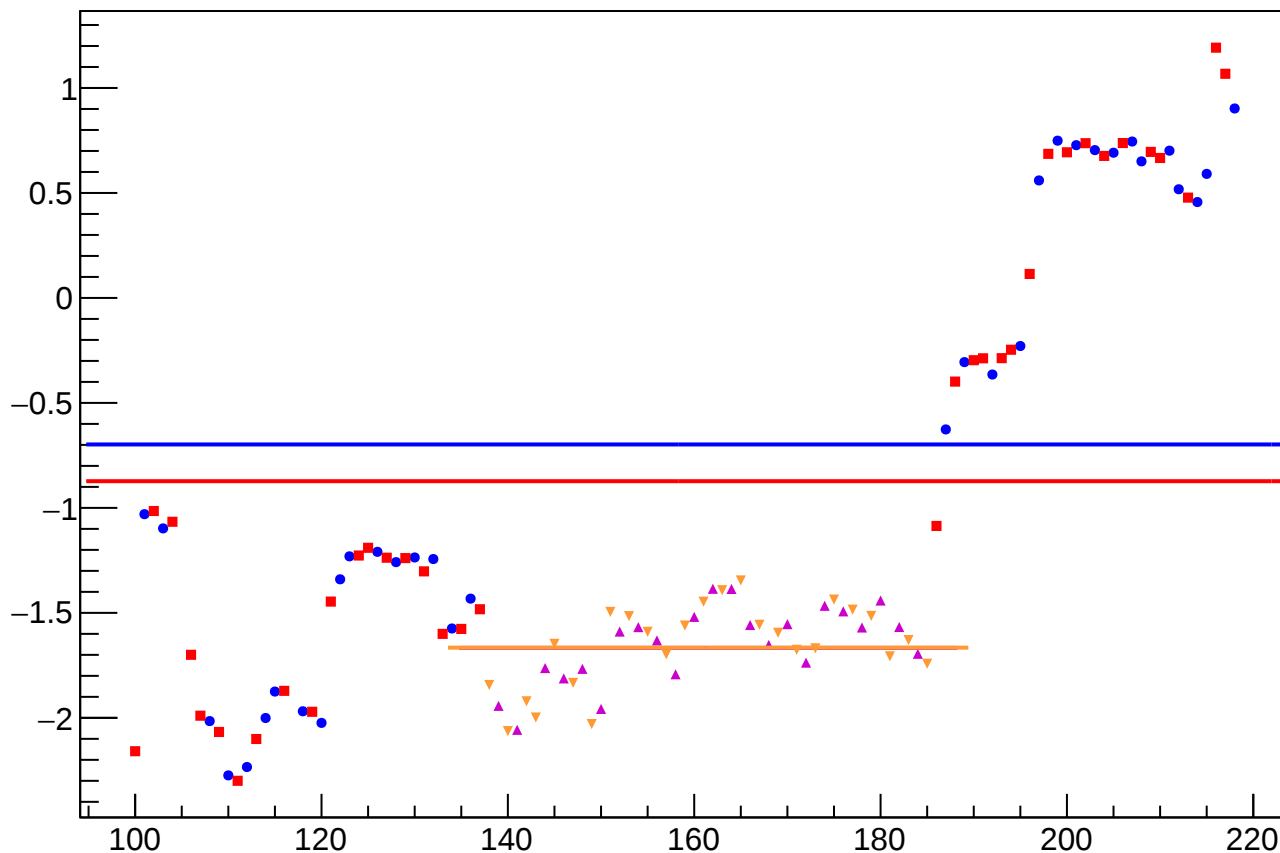
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 2065342.7/57

All: 0.005+/-0.000 χ^2/NDF : 4581357.0/116

- sign 0.005+/-0.000 χ^2/NDF : 2497344.1/58

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: -0.873+/-0.000 χ^2/NDF : 290127538479.2/35

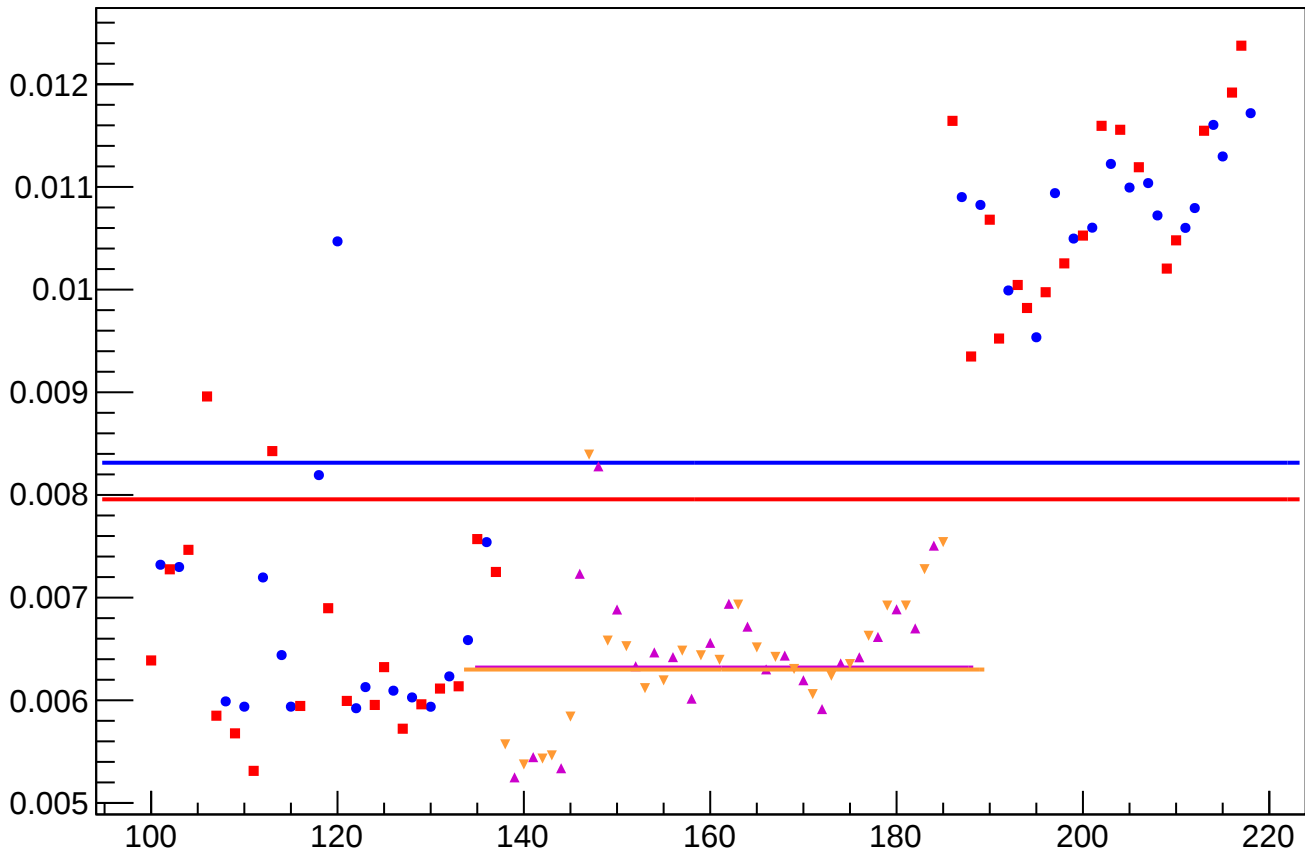
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.330+/-0.000 χ^2/NDF : 416175471490.9/57

All: -1.344+/-0.000 χ^2/NDF : 822714646479.2

- sign -1.358+/-0.000 χ^2/NDF : 406270476728.8/58

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 : 2604831.7/35

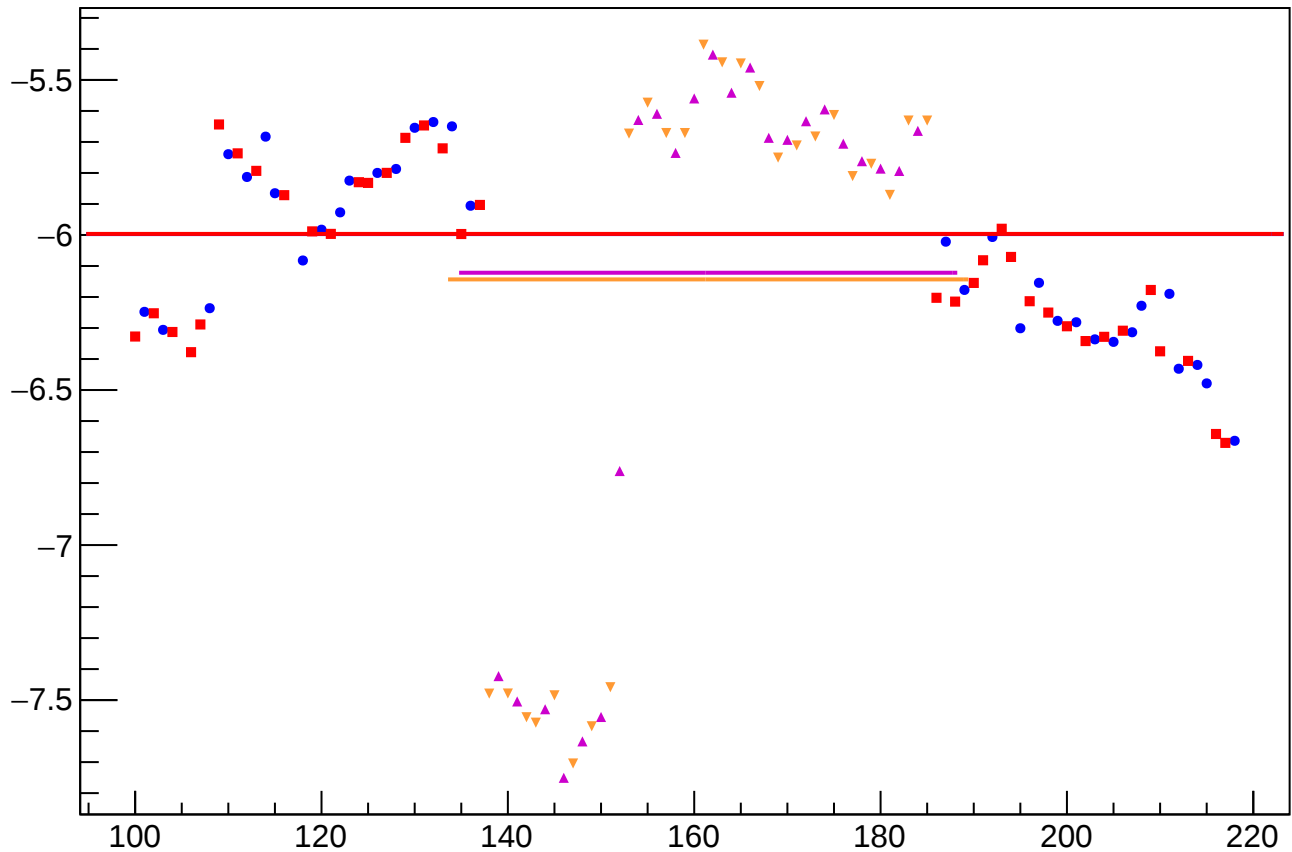
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 3767590.0/57

All: 0.007+/-0.000 χ^2/NDF : 7572563.3/116

- sign 0.007+/-0.000 χ^2/NDF : 3803764.2/58

yield_bpm0l01Y_mean vs Slug



Right In: -5.997 ± 0.000 $\chi^2/\text{NDF}: 19262914798.7/32$

Left Out: -6.143 ± 0.000 $\chi^2/\text{NDF}: 185721259239.3/24$

Right Out: -5.997 ± 0.000 $\chi^2/\text{NDF}: 20728570961.0/35$

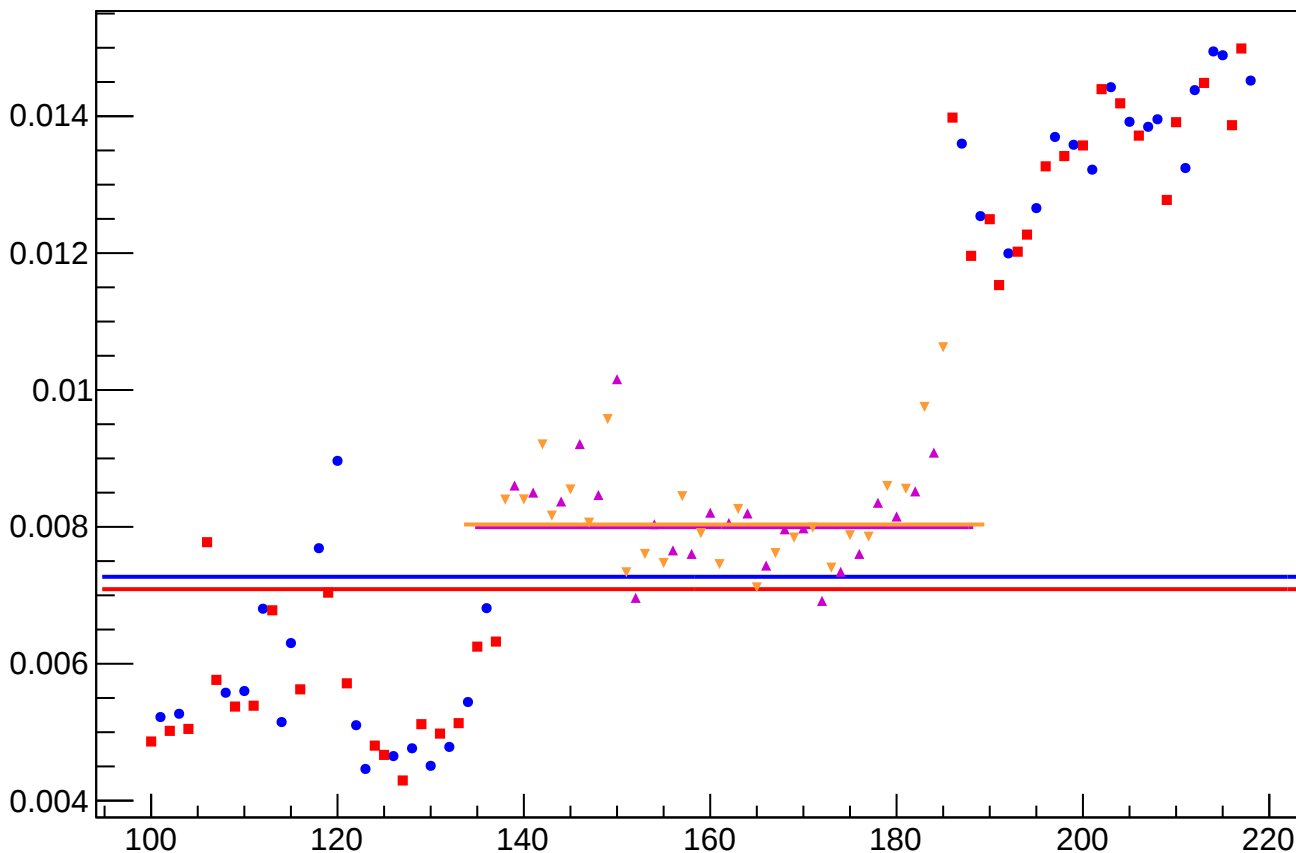
Left In: -6.122 ± 0.000 $\chi^2/\text{NDF}: 159909473006.6/22$

+ sign -6.070 ± 0.000 $\chi^2/\text{NDF}: 207756188279.8/57$

All: -6.062 ± 0.000 $\chi^2/\text{NDF}: 390539603345.2$

- sign -6.055 ± 0.000 $\chi^2/\text{NDF}: 182724905013.3/58$

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6675960.9/32

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 6549031.6/35

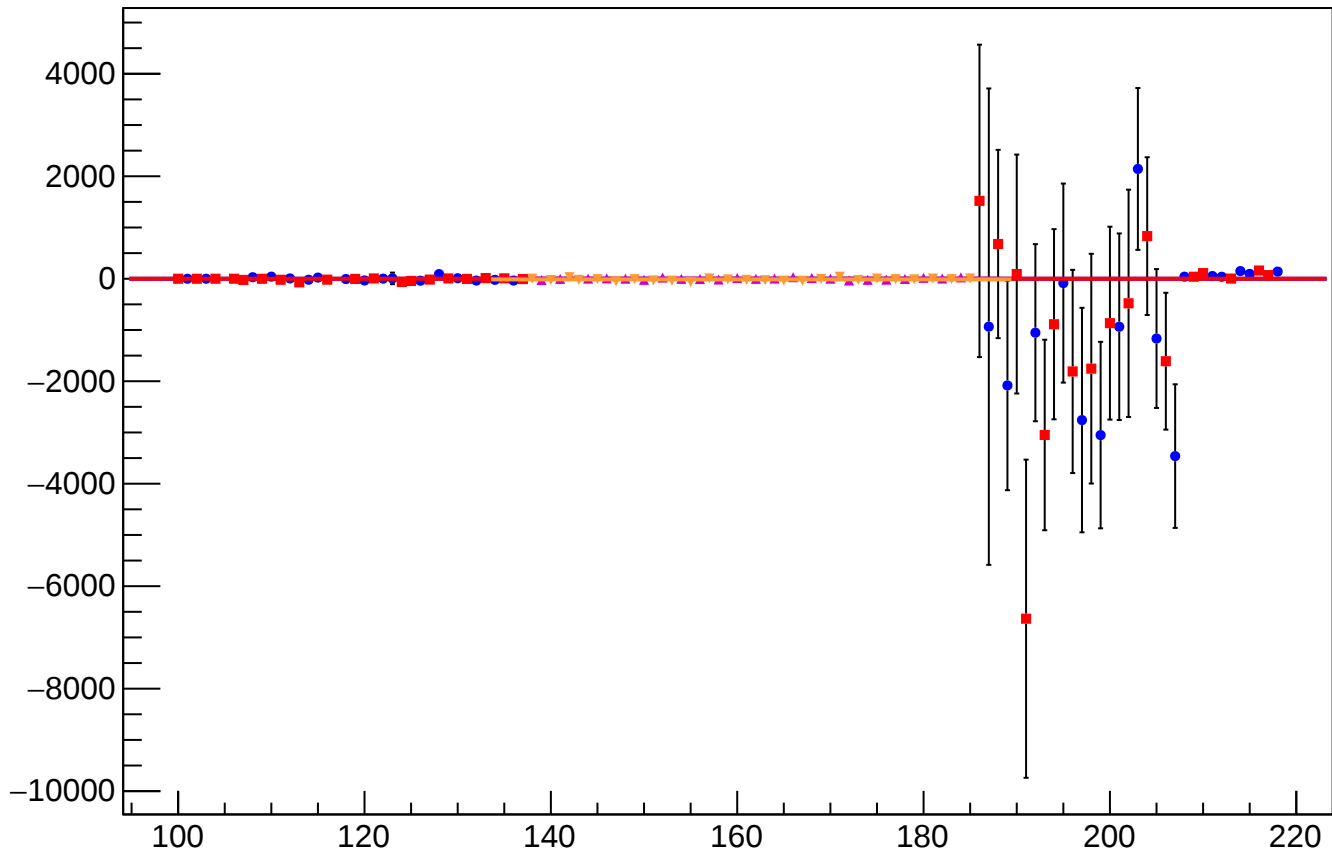
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 7033285.9/57

All: 0.008+/-0.000 χ^2/NDF : 14031302.9/116

- sign 0.008+/-0.000 χ^2/NDF : 6987851.0/58

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 57.0/32$

Left Out: -13.472 ± 2.796 $\chi^2/\text{NDF}: 58.5/24$

Right Out: 0.003 ± 0.016 $\chi^2/\text{NDF}: 45.4/35$

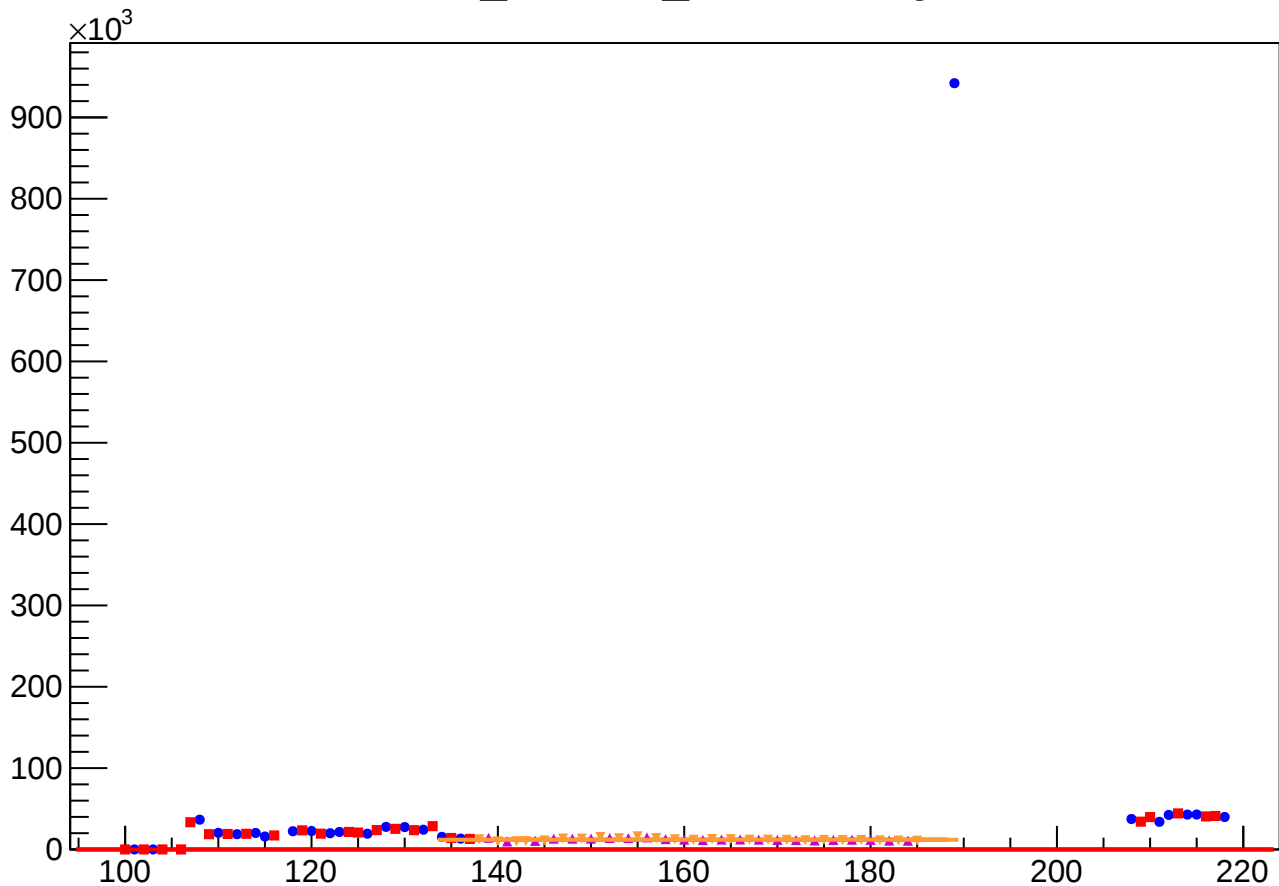
Left In: -0.489 ± 2.905 $\chi^2/\text{NDF}: 28.7/22$

+ sign 0.013 ± 0.017 $\chi^2/\text{NDF}: 138.7/57$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 213.0/116$

- sign 0.003 ± 0.016 $\chi^2/\text{NDF}: 74.1/58$

diff_cav4bX_rms vs Slug



Right In: 18.673+/-0.012 χ^2/NDF : 19678367.1/23

Left Out: 11909.835+/-1.977 χ^2/NDF : 475310.2/24

Right Out: 18.335+/-0.011 χ^2/NDF : 18322654.6/23

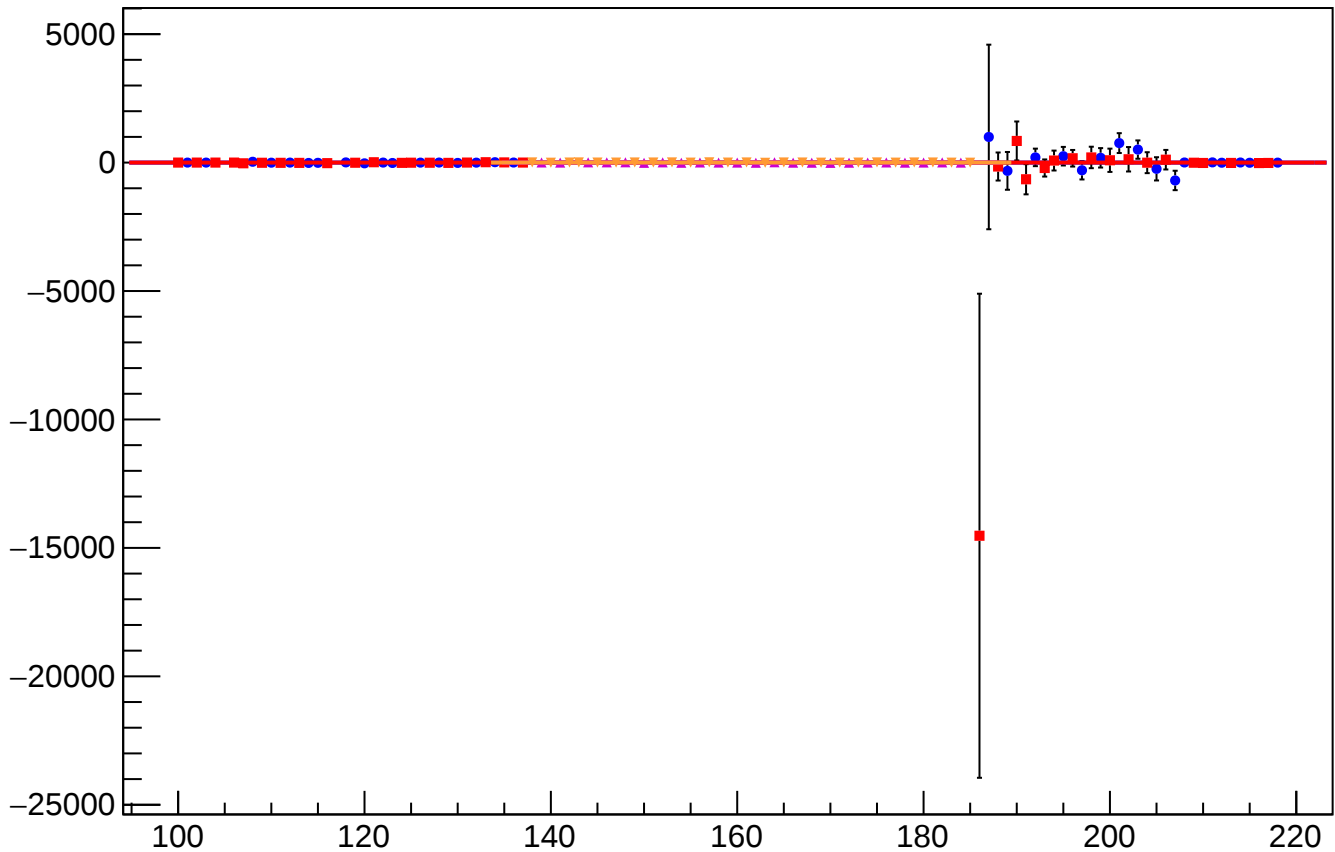
Left In: 12064.321+/-2.054 χ^2/NDF : 372586.0/22

+ sign 19.130+/-0.012 χ^2/NDF : 56318409.4/48

All: 18.901+/-0.008 χ^2/NDF : 109394125.3/95

- sign 18.703+/-0.011 χ^2/NDF : 53075063.4/46

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: 48.3/35

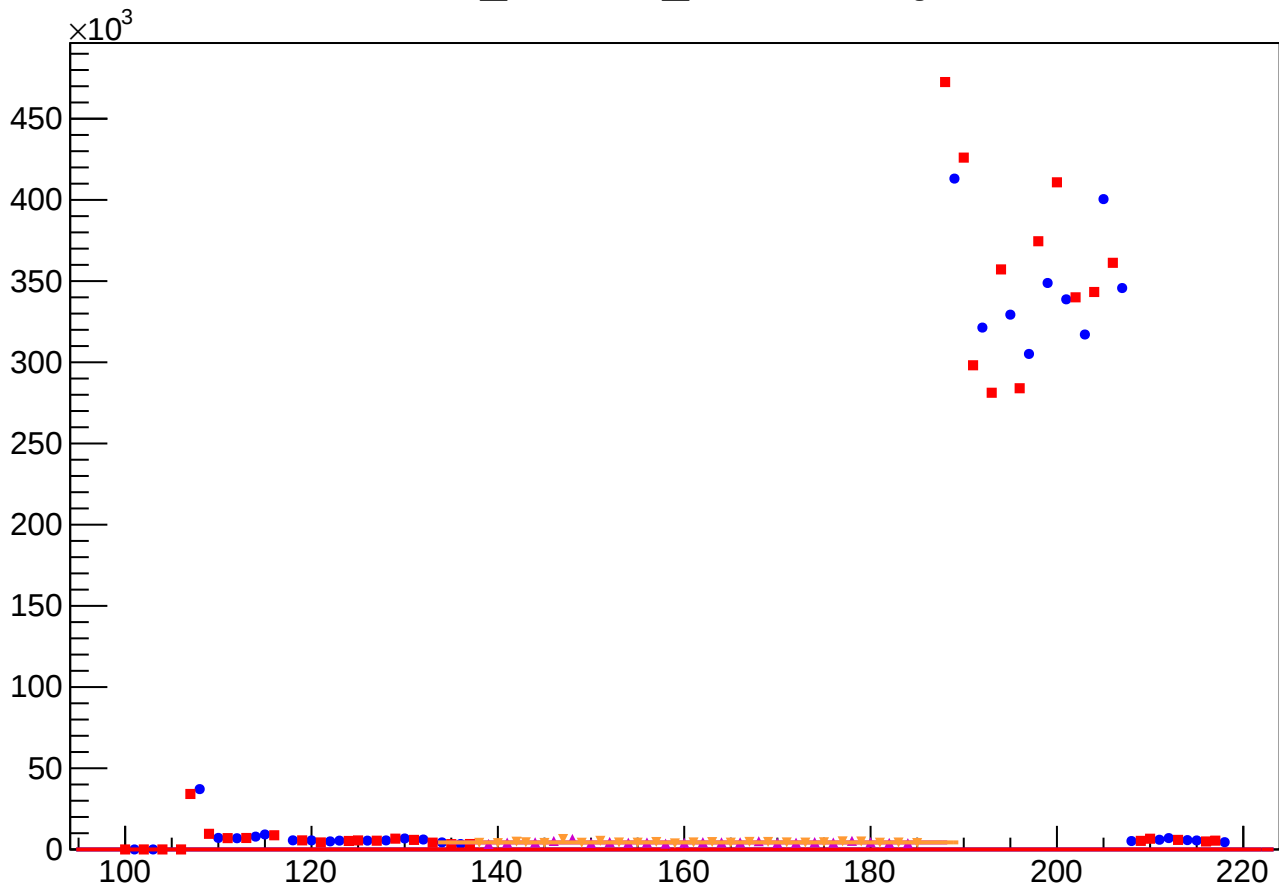
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF:35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 50.1/57

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 135.7/116

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 84.5/58

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: 9.904 ± 0.006 χ^2/NDF : 33088450.0/34

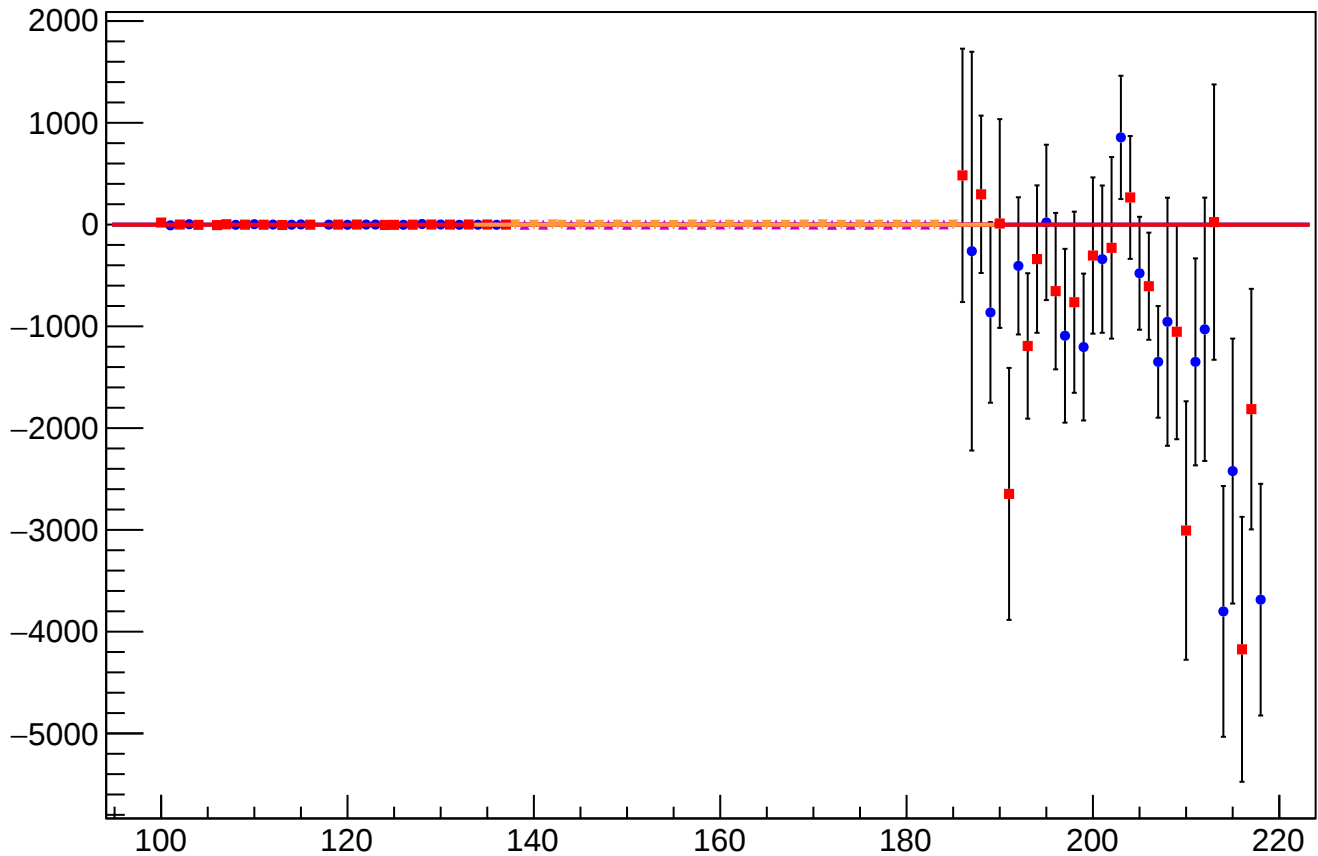
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.357 ± 0.007 χ^2/NDF : 69595776.5/56

All: 10.274 ± 0.004 χ^2/NDF : 137281413.1/11

- sign 10.200 ± 0.006 χ^2/NDF : 67685325.5/57

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: -0.764 ± 0.502 χ^2/NDF : 42.0/35

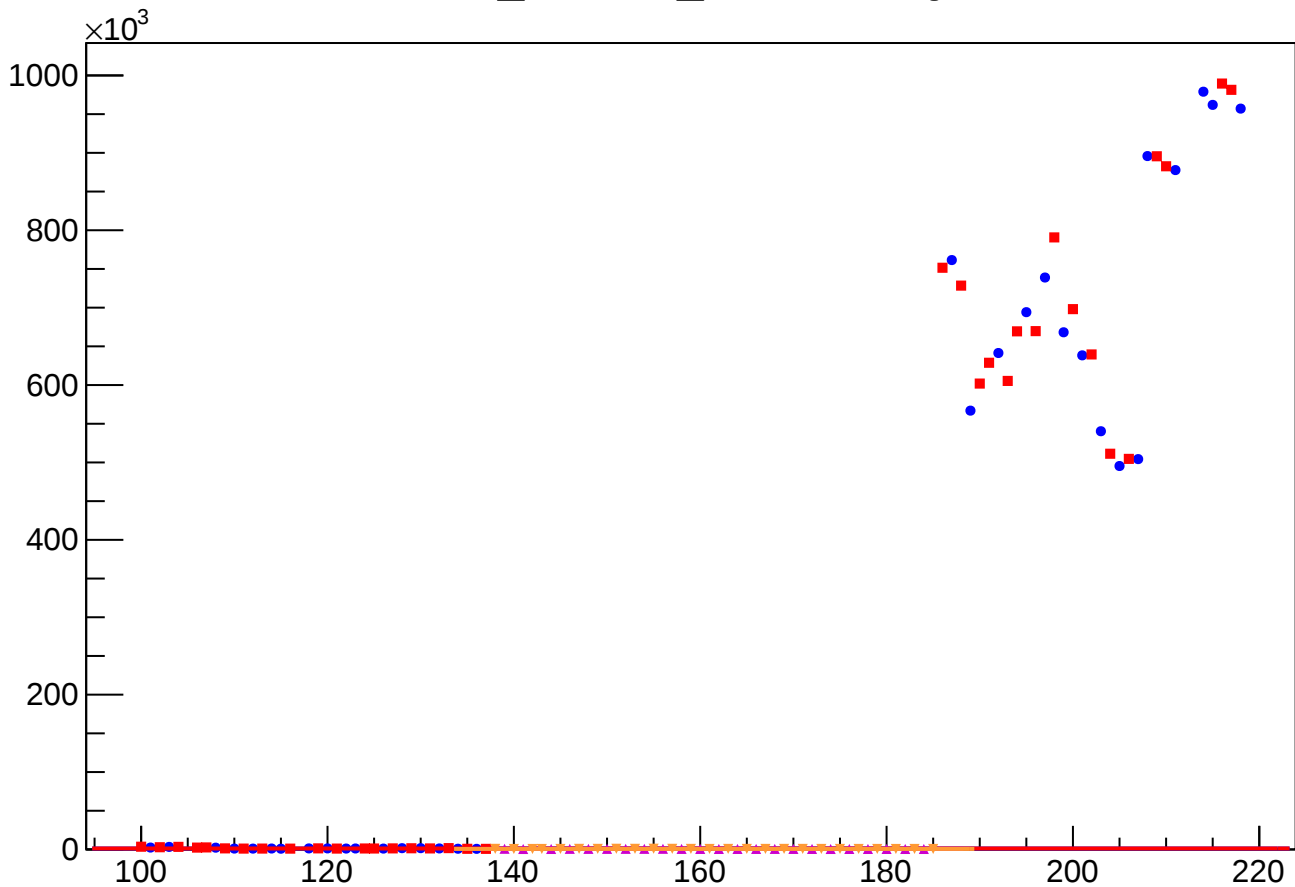
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 122.1/57

All: -0.444 ± 0.112 χ^2/NDF : 204.3/116

- sign -0.097 ± 0.161 χ^2/NDF : 73.2/58

diff_cav4cX_rms vs Slug



Right In: 1167.405+/-0.343 χ^2/NDF : 19026450.6/31

Left Out: 700.797+/-0.116 χ^2/NDF : 392521.4/24

Right Out: 1252.656+/-0.355 χ^2/NDF : 19238469.7/34

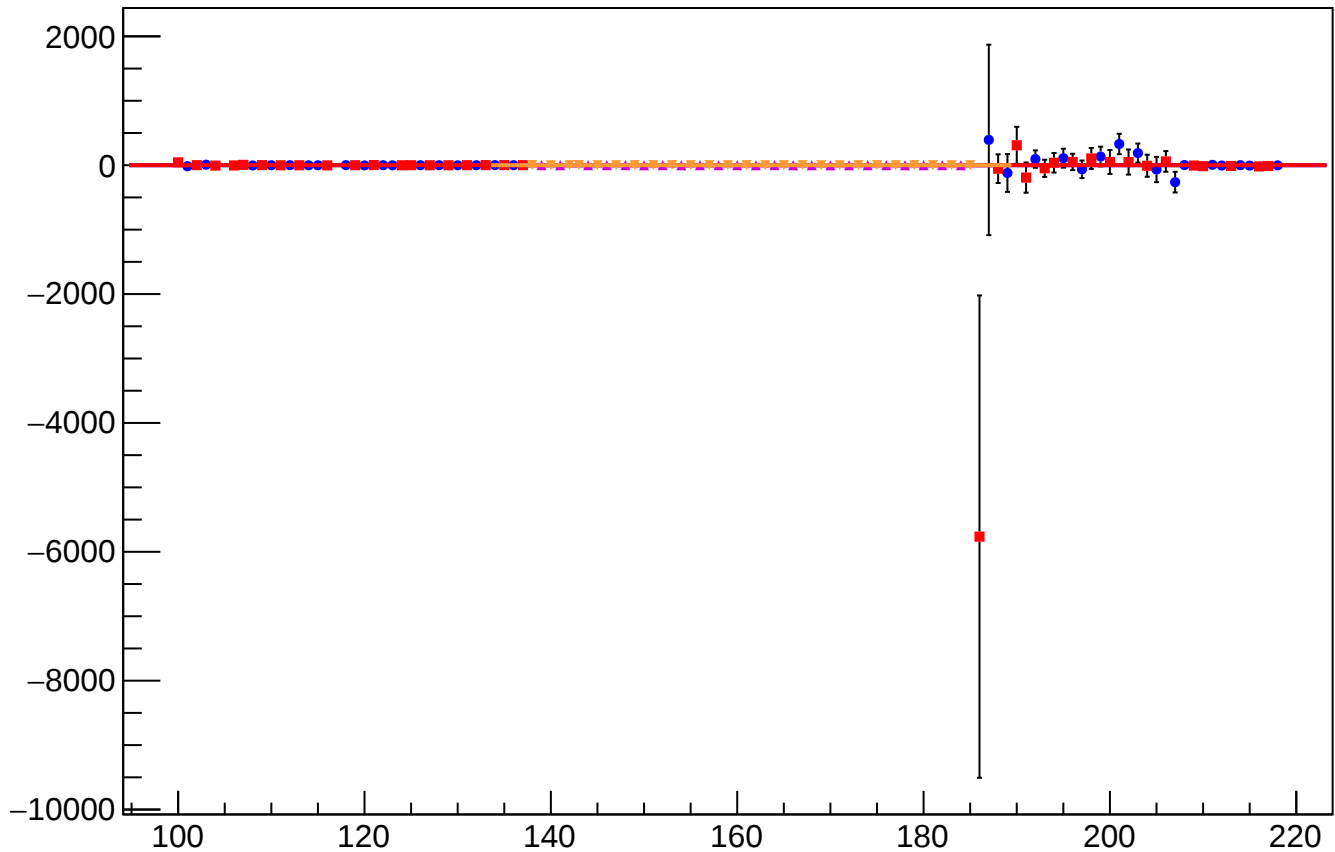
Left In: 706.950+/-0.120 χ^2/NDF : 338177.1/22

+ sign 748.831+/-0.110 χ^2/NDF : 21079513.7/56

All: 755.740+/-0.079 χ^2/NDF : 42783579.8/1

- sign 763.147+/-0.114 χ^2/NDF : 21695896.9/57

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: 0.093 ± 0.263 χ^2/NDF : 57.3/35

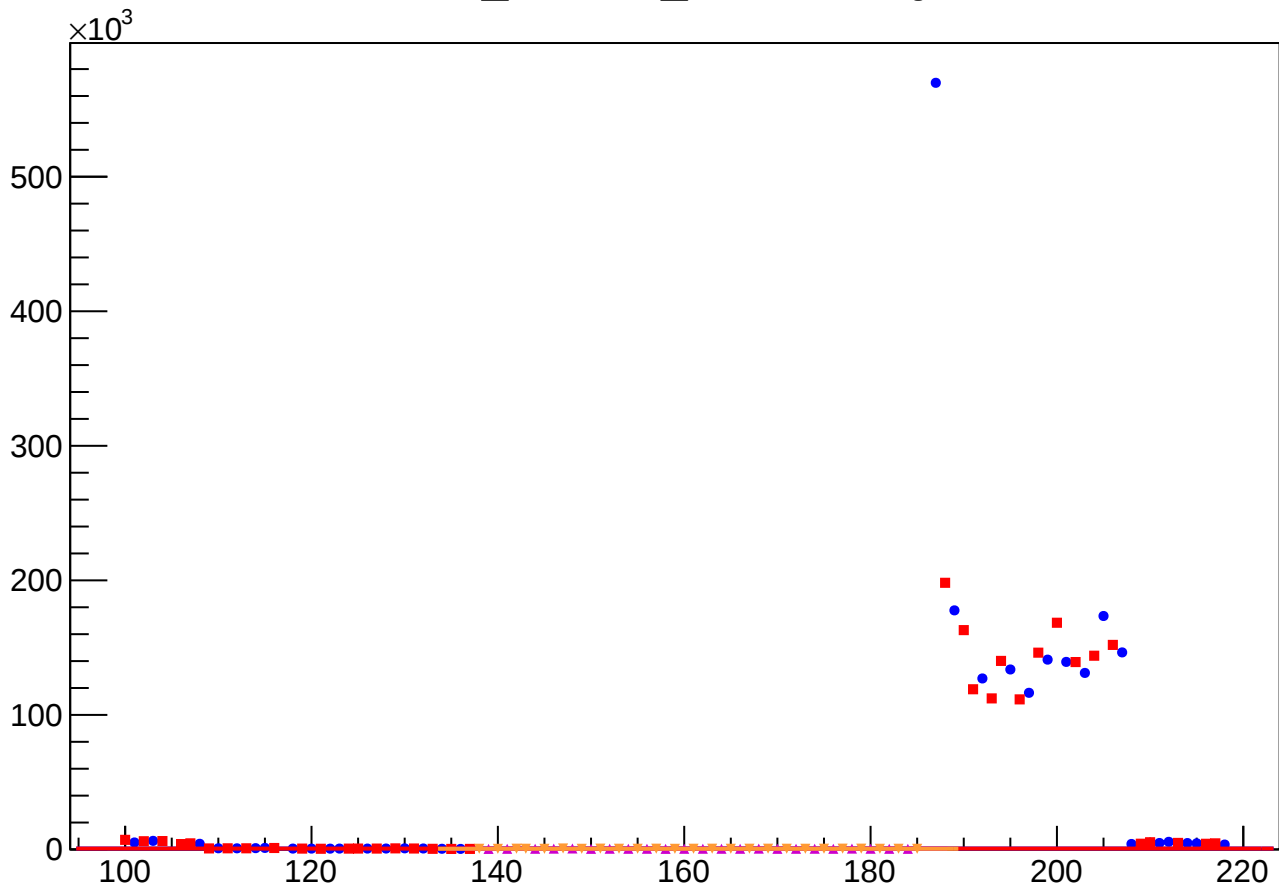
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.111 χ^2/NDF : 54.1/57

All: 0.148 ± 0.079 χ^2/NDF : 146.6/116

- sign 0.111 ± 0.113 χ^2/NDF : 92.2/58

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: 650.499 ± 0.186 χ^2/NDF : 23731854.9/34

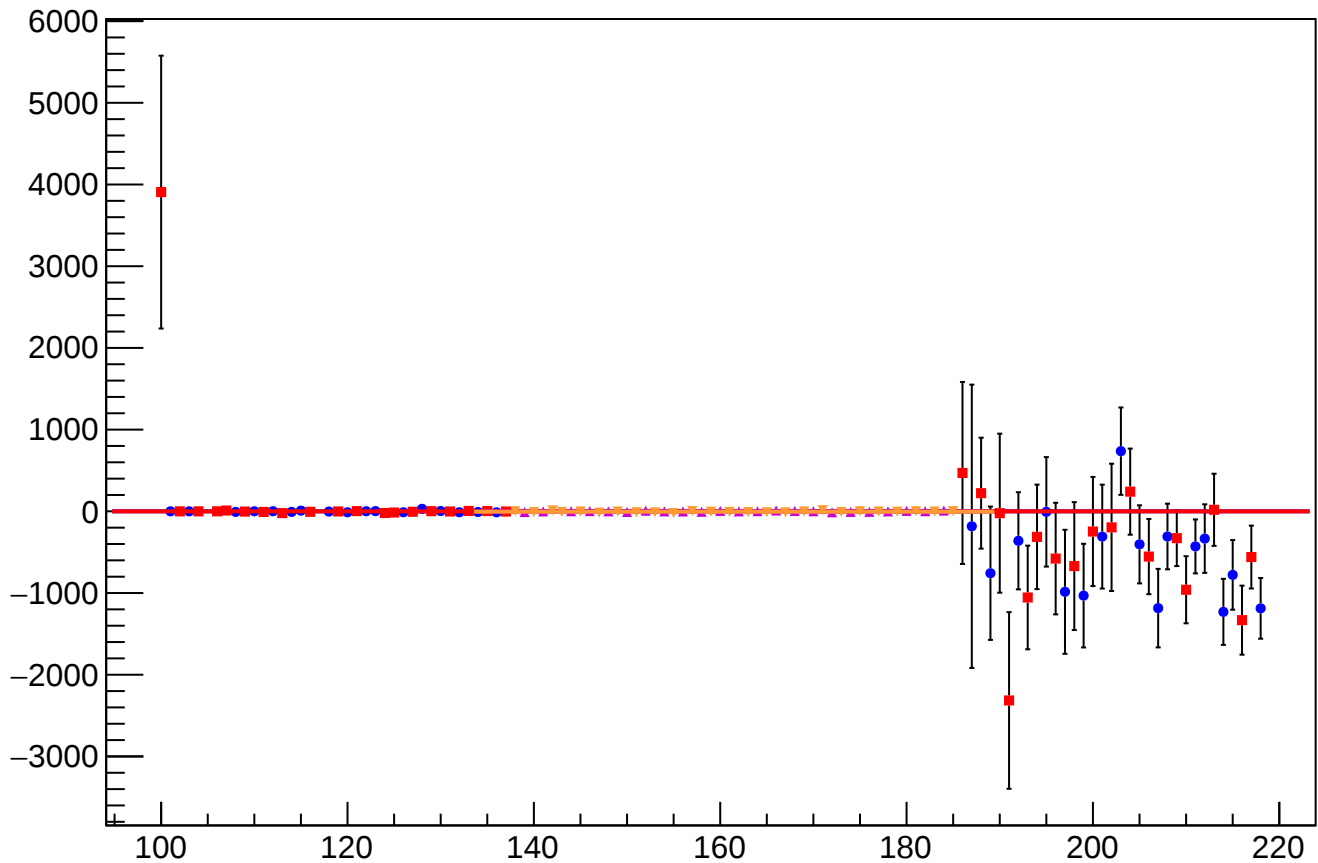
Left In: 519.909 ± 0.089 χ^2/NDF : 444746.3/22

+ sign 548.093 ± 0.079 χ^2/NDF : 24158548.3/57

All: 546.123 ± 0.056 χ^2/NDF : 48737398.3/11

- sign 544.088 ± 0.080 χ^2/NDF : 24577579.4/57

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 : 46.4/35

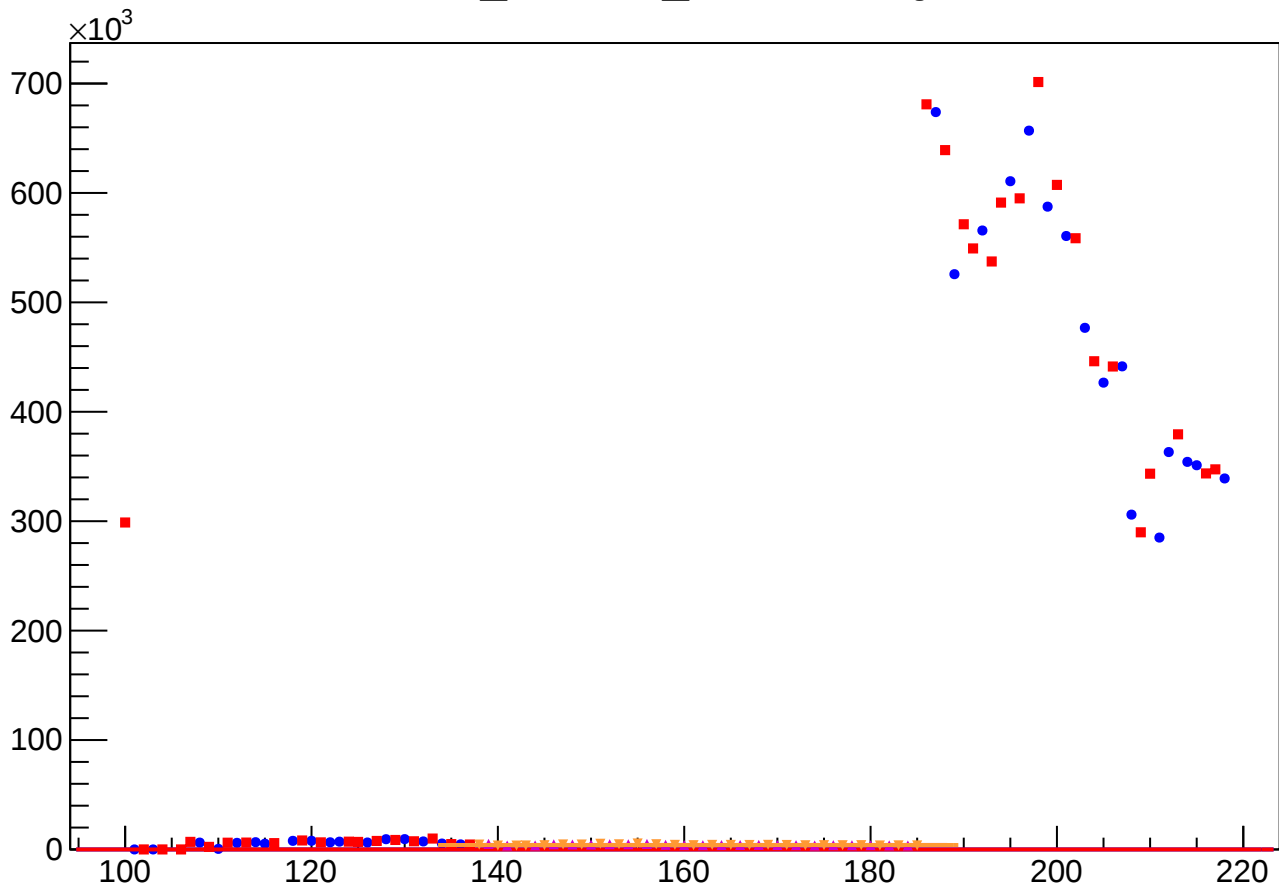
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 135.8/57

All: -0.025 ± 0.014 χ^2/NDF : 211.5/116

- sign -0.027 ± 0.020 χ^2/NDF : 75.7/58

diff_cav4dX_rms vs Slug



Right In: 17.347+/-0.015 χ^2/NDF : 33266045.6/32

Left Out: 4074.257+/-0.676 χ^2/NDF :416916.0/24

Right Out: 17.277+/-0.014 χ^2/NDF : 33956116.4/35

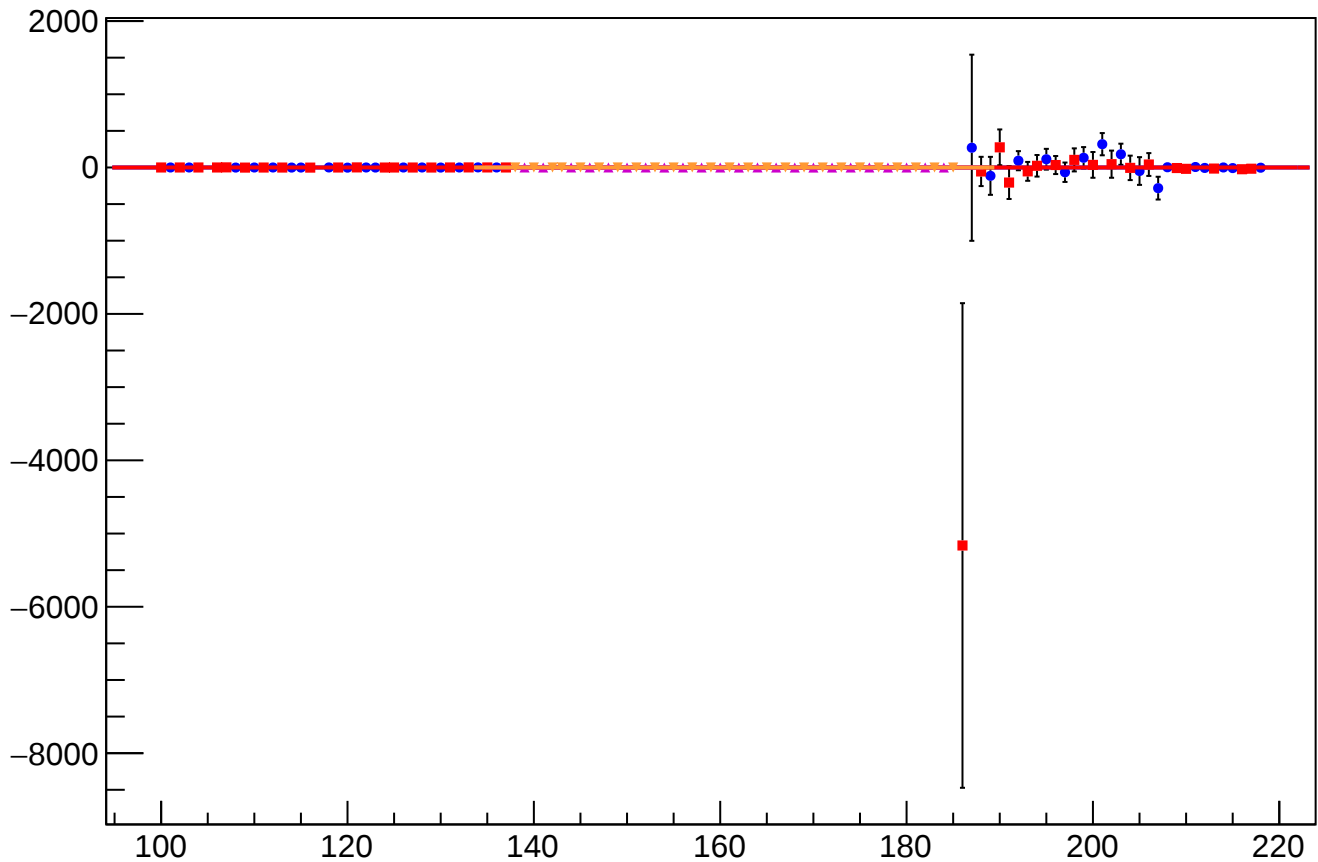
Left In: 4113.744+/-0.700 χ^2/NDF :354965.8/22

+ sign 19.267+/-0.015 χ^2/NDF : 69715993.7/57

All: 19.080+/-0.010 χ^2/NDF : 138244088.2/11

- sign 18.910+/-0.014 χ^2/NDF : 68527784.9/58

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 30.7/32

Left Out: 0.151 ± 0.076 χ^2/NDF : 16.8/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 57.4/35

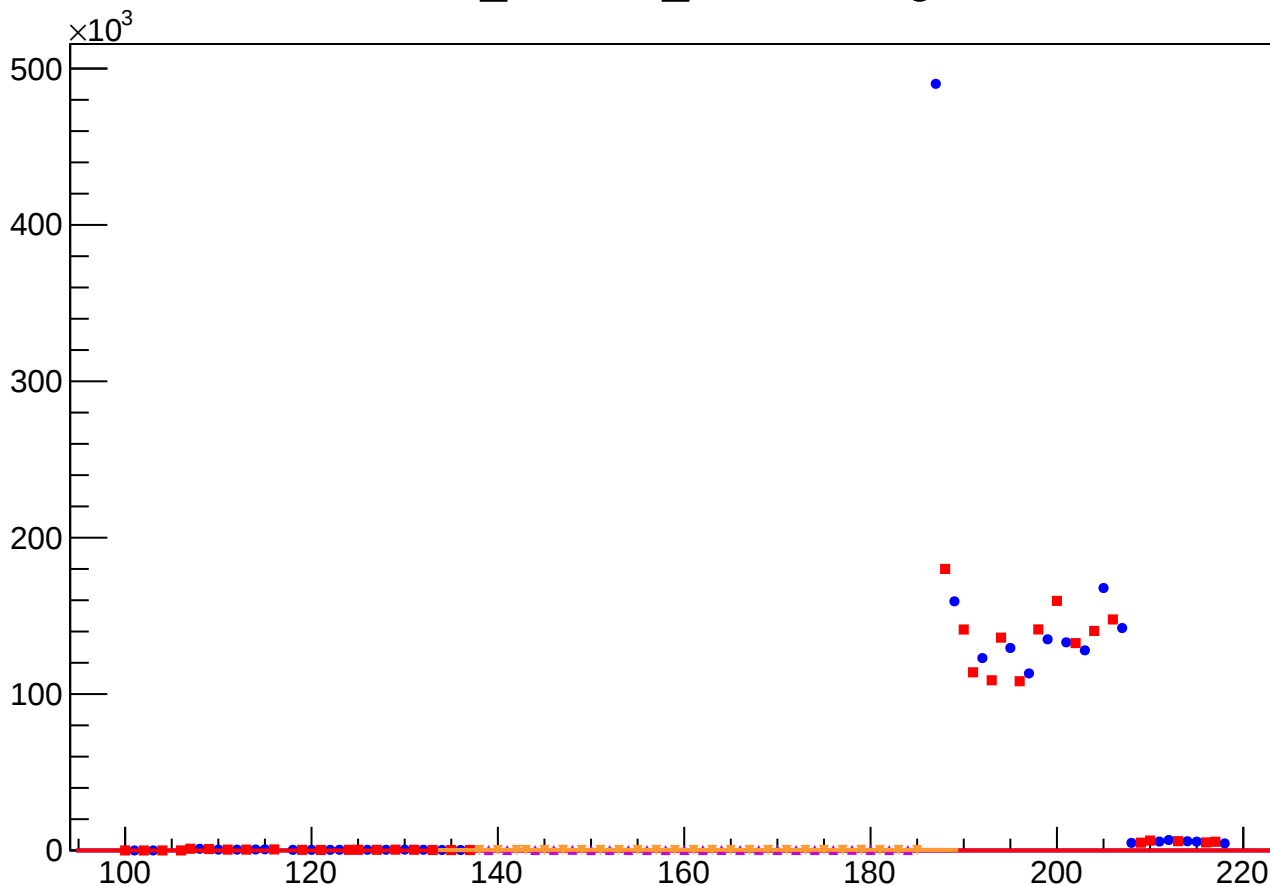
Left In: 0.075 ± 0.078 χ^2/NDF : 34.8/22

+ sign 0.000 ± 0.002 χ^2/NDF : 51.4/57

All: 0.001 ± 0.001 χ^2/NDF : 144.5/116

- sign 0.001 ± 0.002 χ^2/NDF : 93.1/58

diff_cav4dY_rms vs Slug



Right In: 1.702 $\pm$ 0.001 χ^2 /NDF: 33462675.7/32

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.731 $\pm$ 0.001 χ^2 /NDF: 32886055.5/34

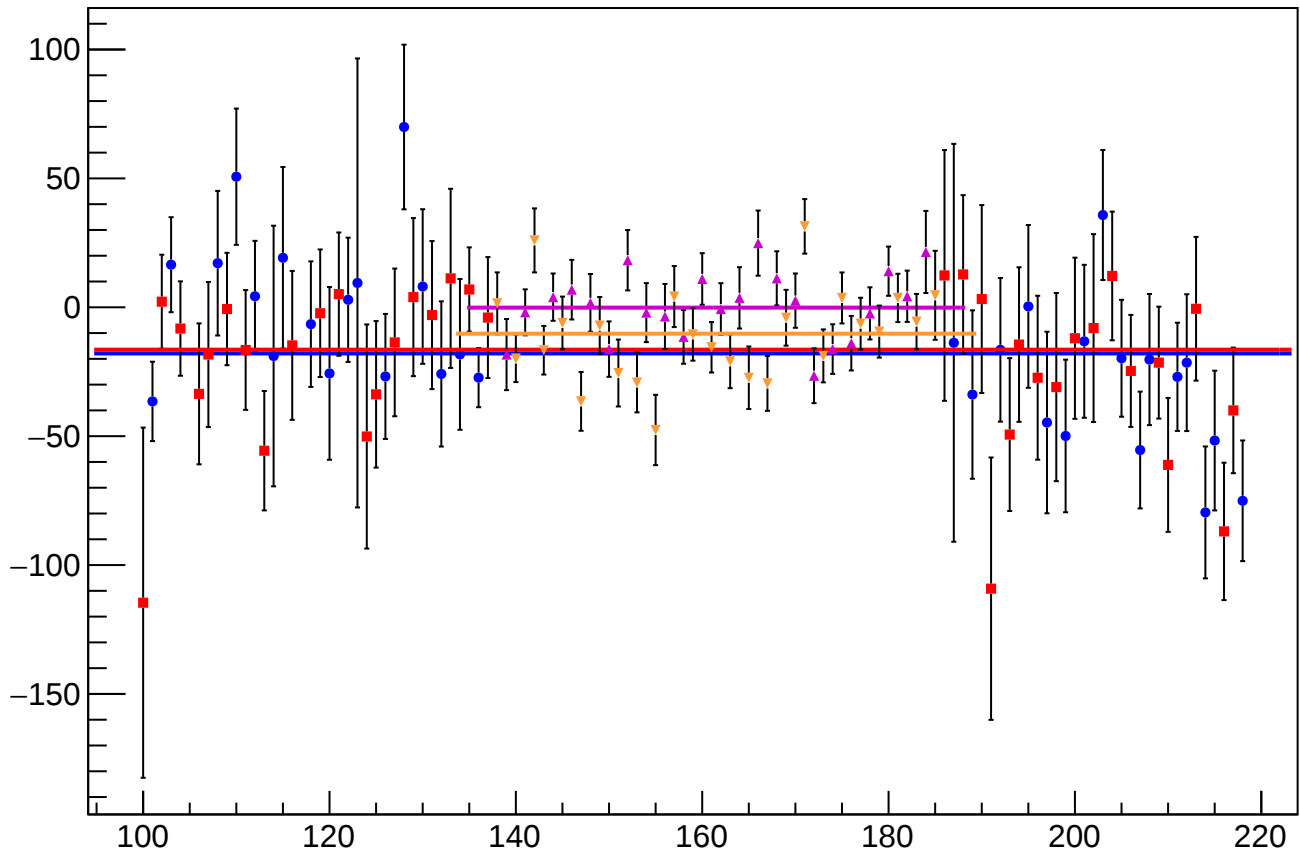
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.929 $\pm$ 0.001 χ^2 /NDF: 69774288.1/57

All: 1.929 $\pm$ 0.001 χ^2 /NDF: 137058866.4/115

- sign 1.928 $\pm$ 0.001 χ^2 /NDF: 67284577.8/57

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: -16.430 ± 4.430 $\chi^2/\text{NDF}: 32.0/35$

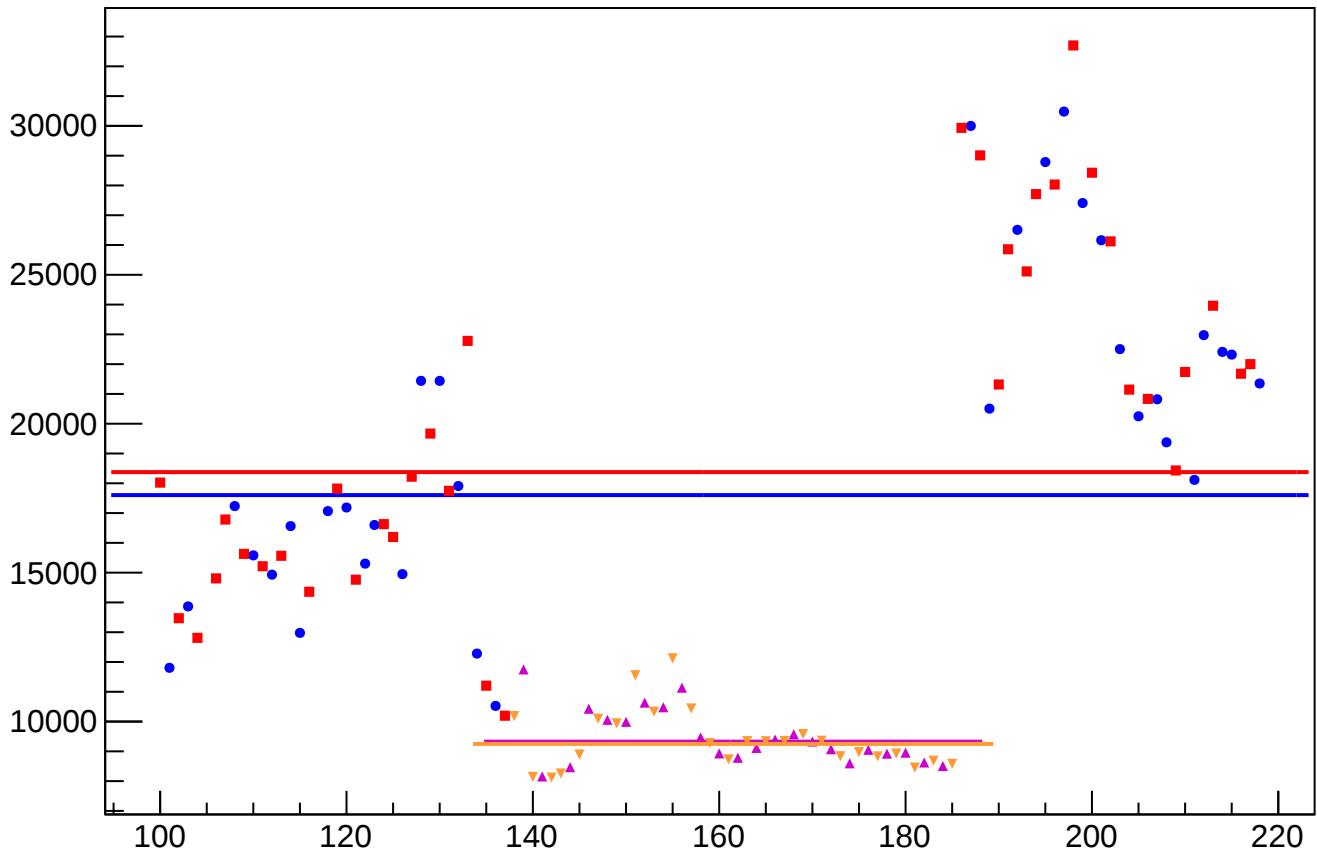
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.771 ± 1.938 $\chi^2/\text{NDF}: 109.4/57$

All: -7.745 ± 1.392 $\chi^2/\text{NDF}: 190.9/116$

- sign -3.454 ± 2.001 $\chi^2/\text{NDF}: 72.6/58$

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: 18375.508 $\pm$ 3.133 χ^2 /NDF: 2967300.7/35

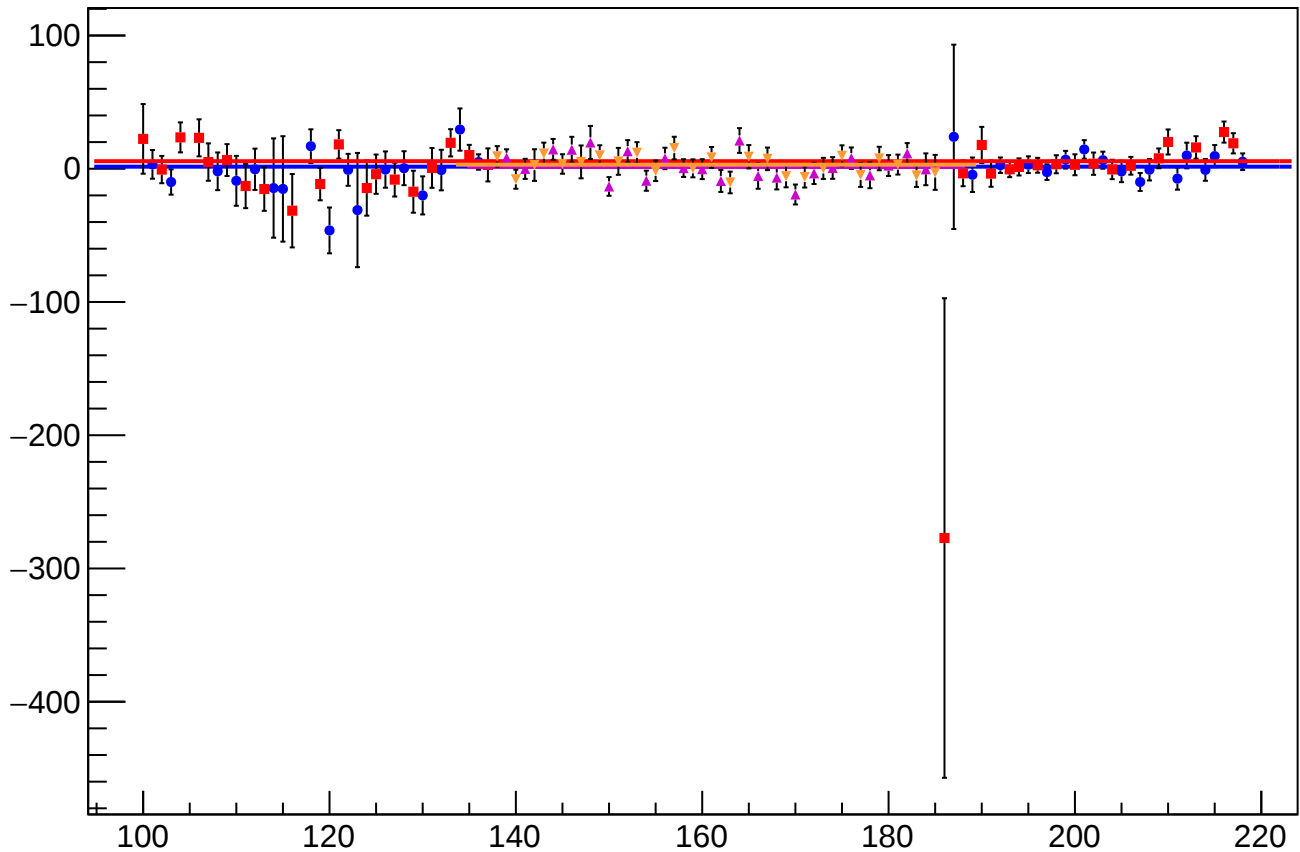
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10922.438 $\pm$ 1.370 χ^2 /NDF: 9256342.9/57

All: 11042.573 $\pm$ 0.984 χ^2 /NDF: 19165043.3

- sign 11170.647 $\pm$ 1.415 χ^2 /NDF: 9892815.0/58

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: 5.672 ± 1.587 χ^2/NDF : 42.8/35

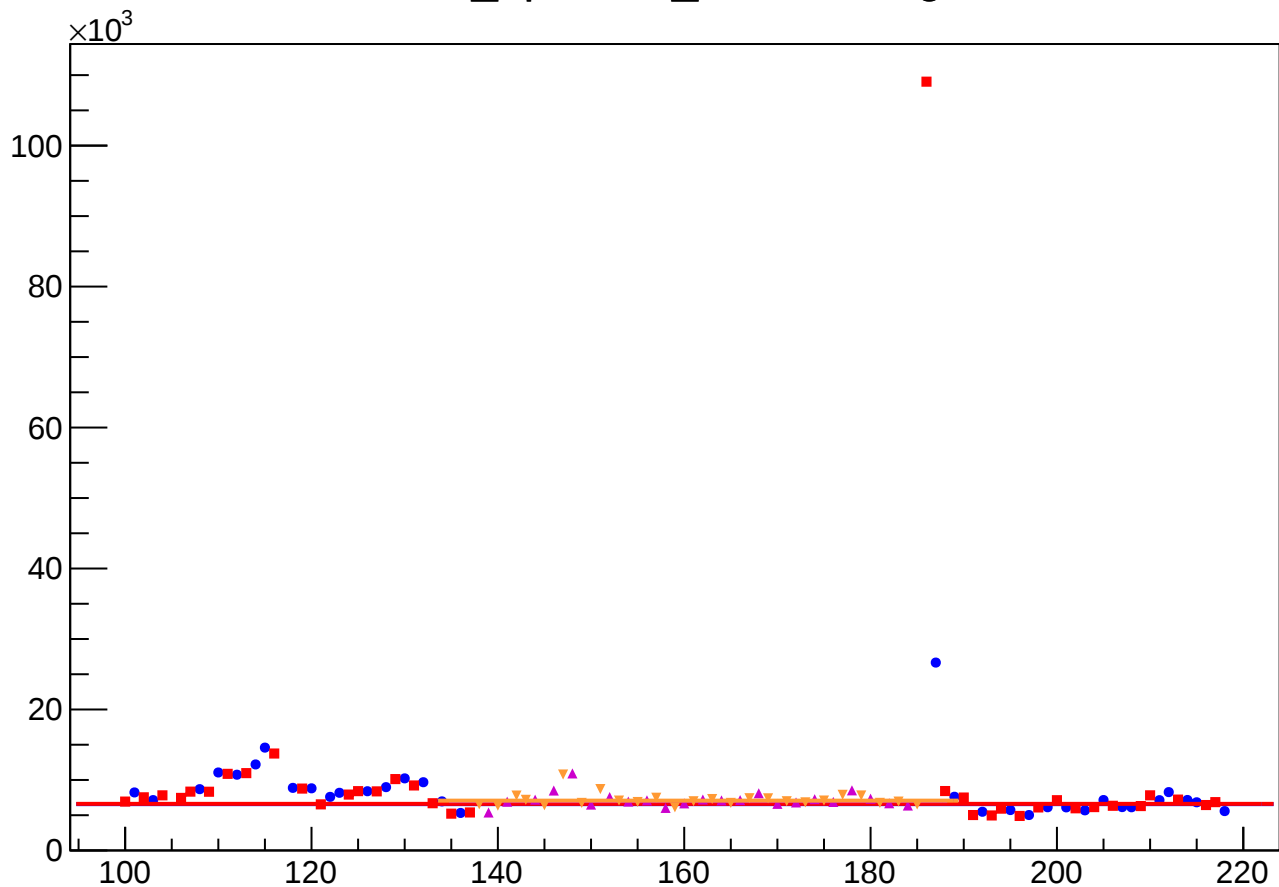
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.281 ± 1.148 χ^2/NDF : 48.6/57

All: 2.971 ± 0.815 χ^2/NDF : 130.9/116

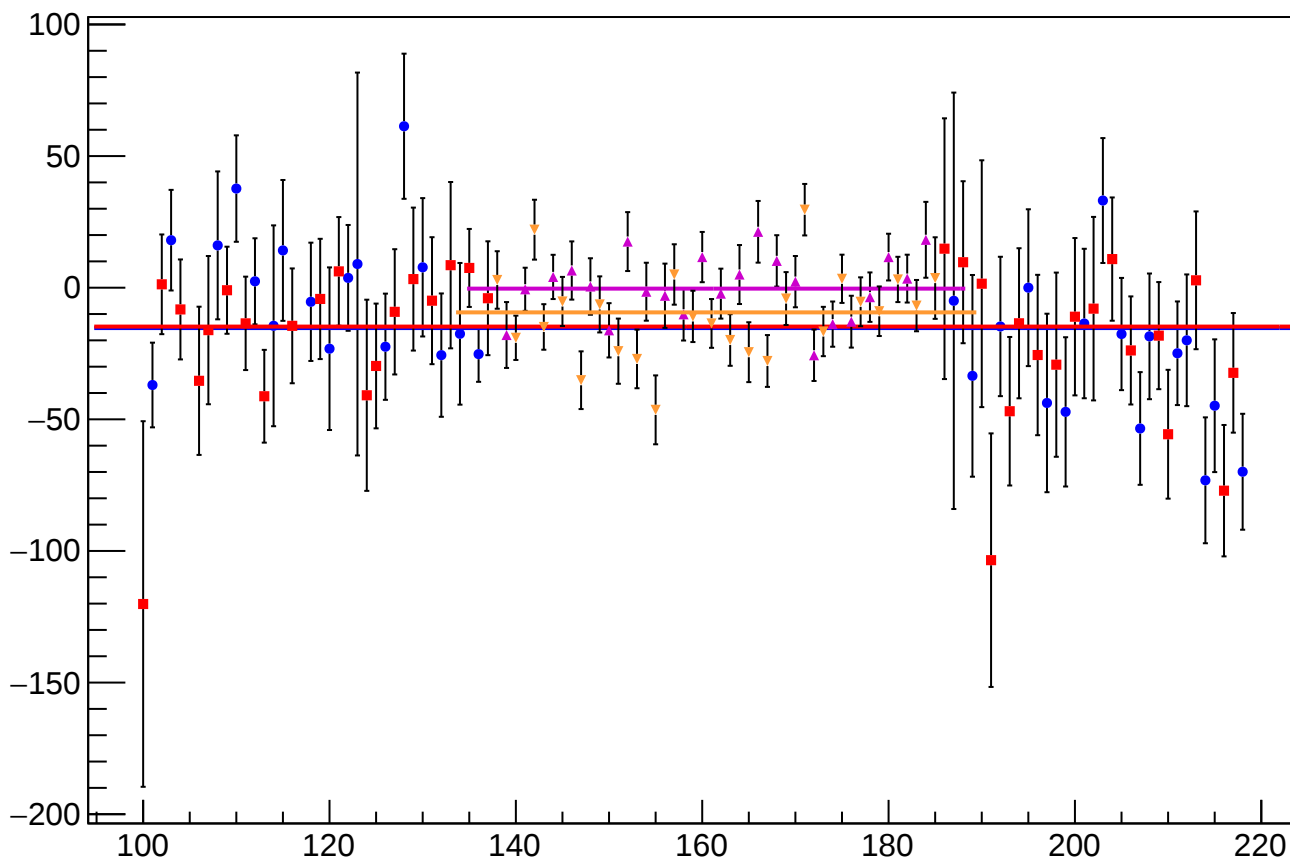
- sign 3.672 ± 1.158 χ^2/NDF : 81.6/58

diff_bpm4aY_rms vs Slug



Right In: 6569.898 ± 1.124 $\chi^2/\text{NDF}: 1660628.7/32$ + sign 6807.762 ± 0.812 $\chi^2/\text{NDF}: 2141645.5/57$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6800.492 ± 0.576 $\chi^2/\text{NDF}: 4901874.6/11$
 Right Out: 6610.916 ± 1.122 $\chi^2/\text{NDF}: 2153654.9/35$ - sign 6793.093 ± 0.819 $\chi^2/\text{NDF}: 2760067.1/58$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

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: -14.771 ± 4.024 $\chi^2/\text{NDF}: 30.2/35$

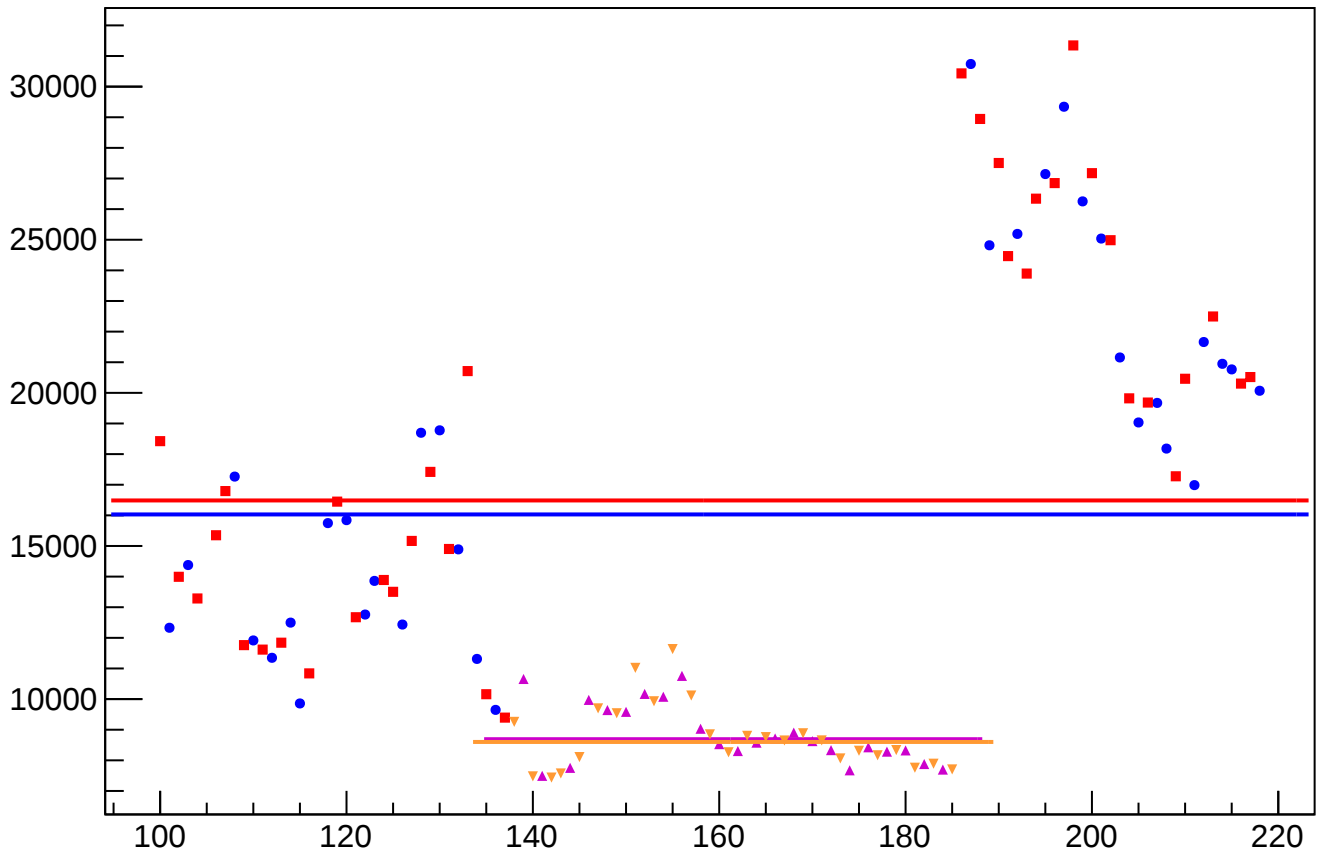
Left In: -0.353 ± 2.092 $\chi^2/\text{NDF}: 29.6/22$

+ sign -10.600 ± 1.799 $\chi^2/\text{NDF}: 110.1/57$

All: -7.124 ± 1.292 $\chi^2/\text{NDF}: 187.7/116$

- sign -3.422 ± 1.856 $\chi^2/\text{NDF}: 69.9/58$

diff_bpm4eX_rms vs Slug



Right In: 16030.011 ± 2.806 χ^2/NDF : 3453843.8/32

Left Out: 8600.457 ± 1.427 χ^2/NDF : 438229.4/24

+ sign 10126.951 ± 1.272 χ^2/NDF : 9463316.7/57

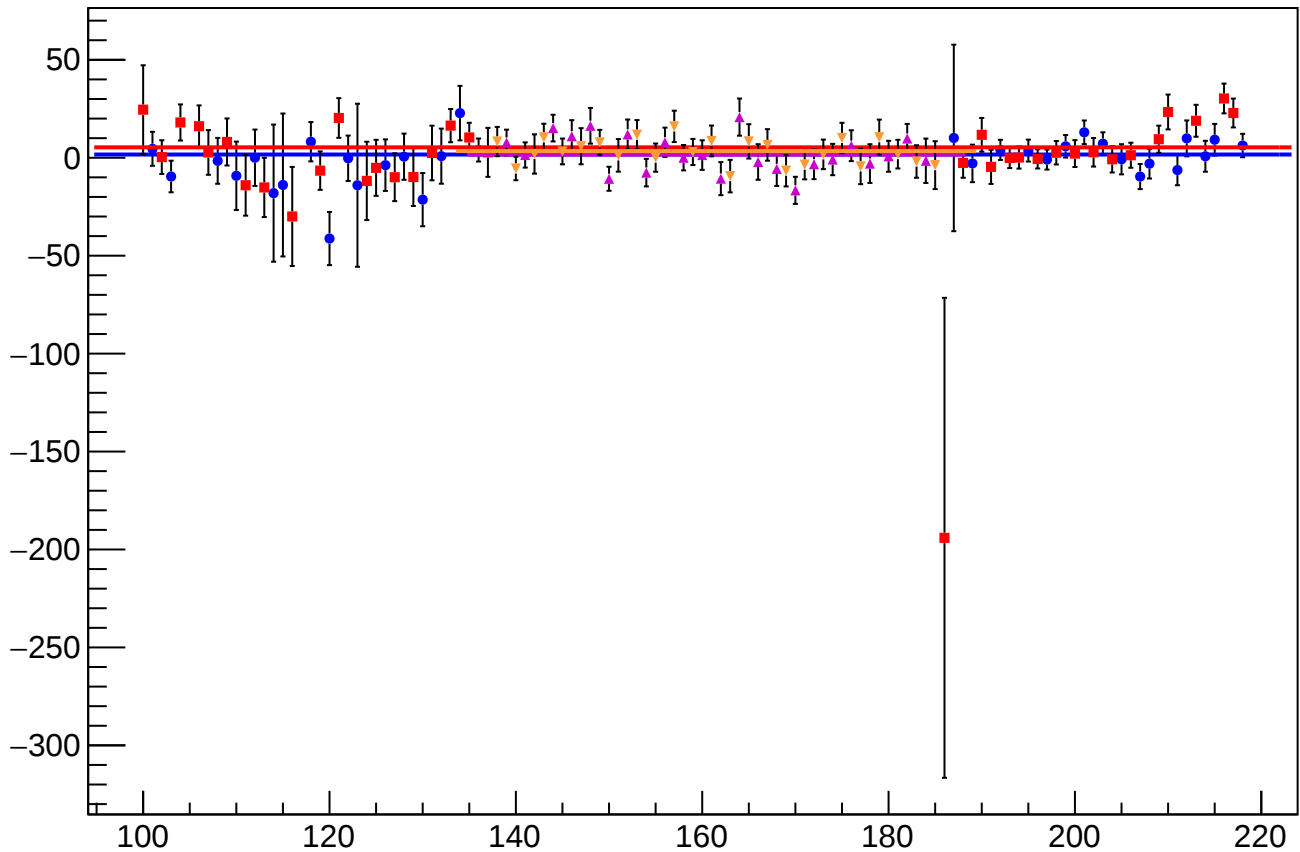
Right Out: 16486.741 ± 2.845 χ^2/NDF : 3782551.1/35

All: 10234.618 ± 0.913 χ^2/NDF : 19541535.1

Left In: 8690.209 ± 1.479 χ^2/NDF : 370834.1/22

- sign 10349.310 ± 1.313 χ^2/NDF : 10063416.4/58

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: 5.319 ± 1.420 χ^2/NDF : 53.7/35

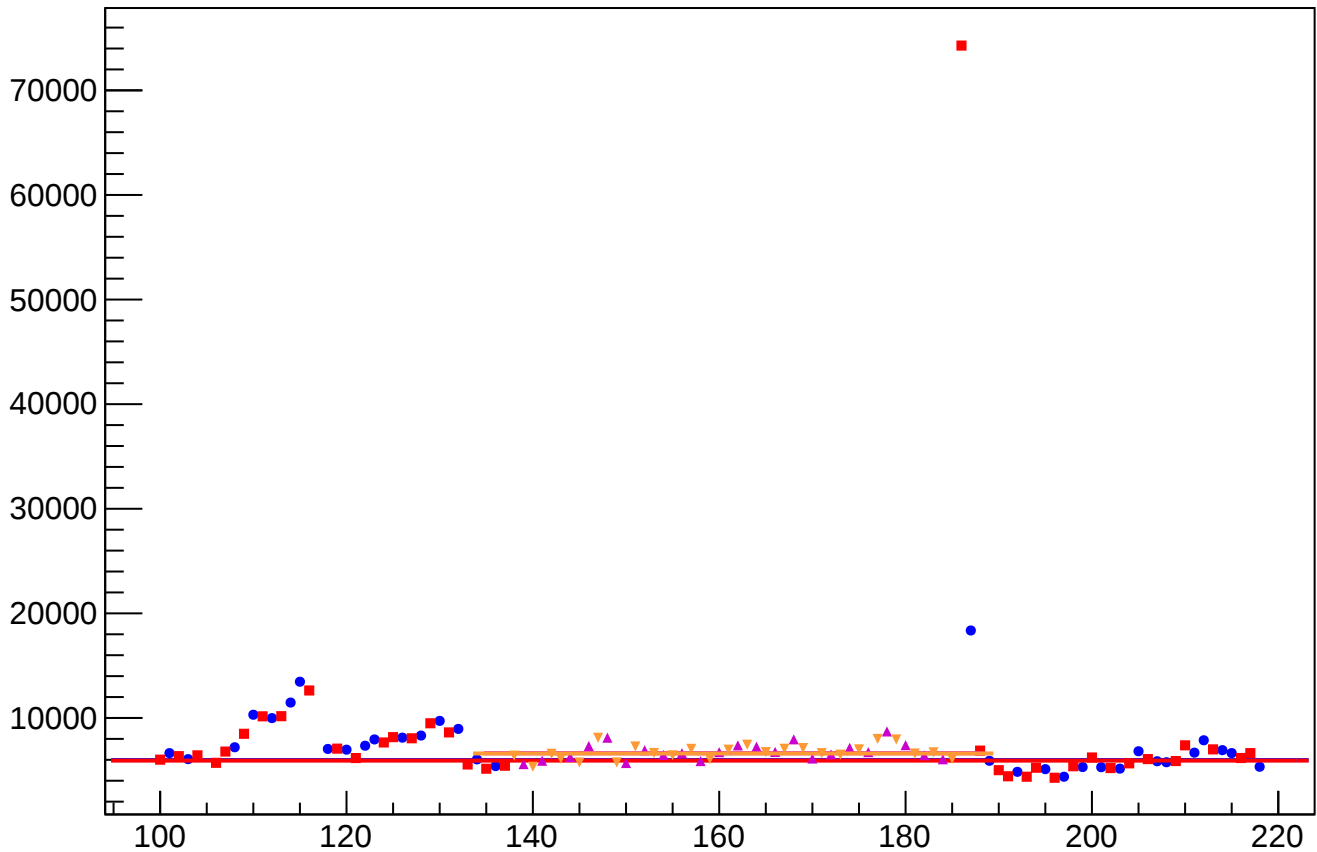
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.466 ± 1.057 χ^2/NDF : 49.4/57

All: 3.075 ± 0.749 χ^2/NDF : 140.1/116

- sign 3.691 ± 1.062 χ^2/NDF : 90.1/58

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: 5927.421+/-1.004 χ^2/NDF : 2254509.3/35

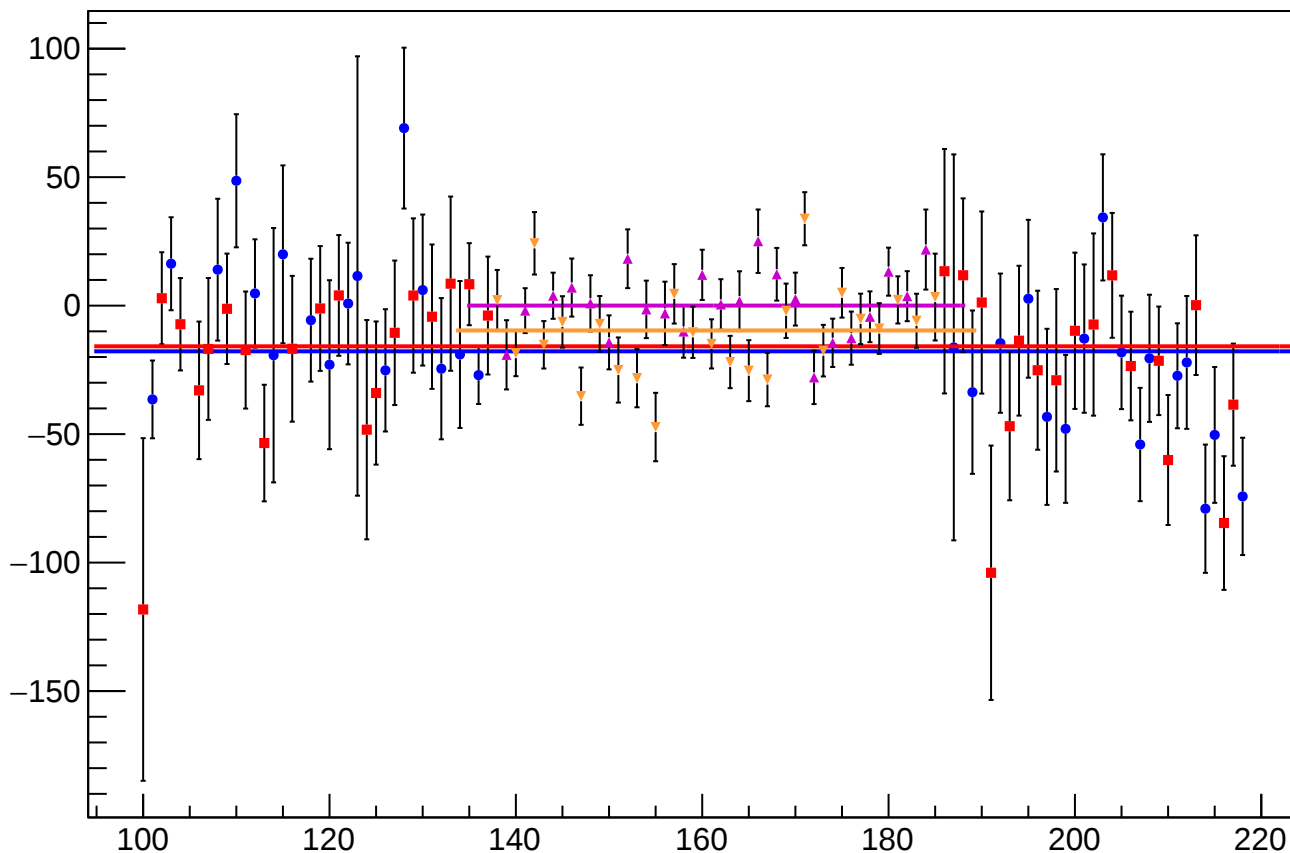
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6267.454+/-0.747 χ^2/NDF : 2241005.4/57

All: 6252.121+/-0.530 χ^2/NDF : 5141646.5/11

- sign 6236.634+/-0.751 χ^2/NDF : 2899794.5/58

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: -15.831 ± 4.331 χ^2/NDF : 32.0/35

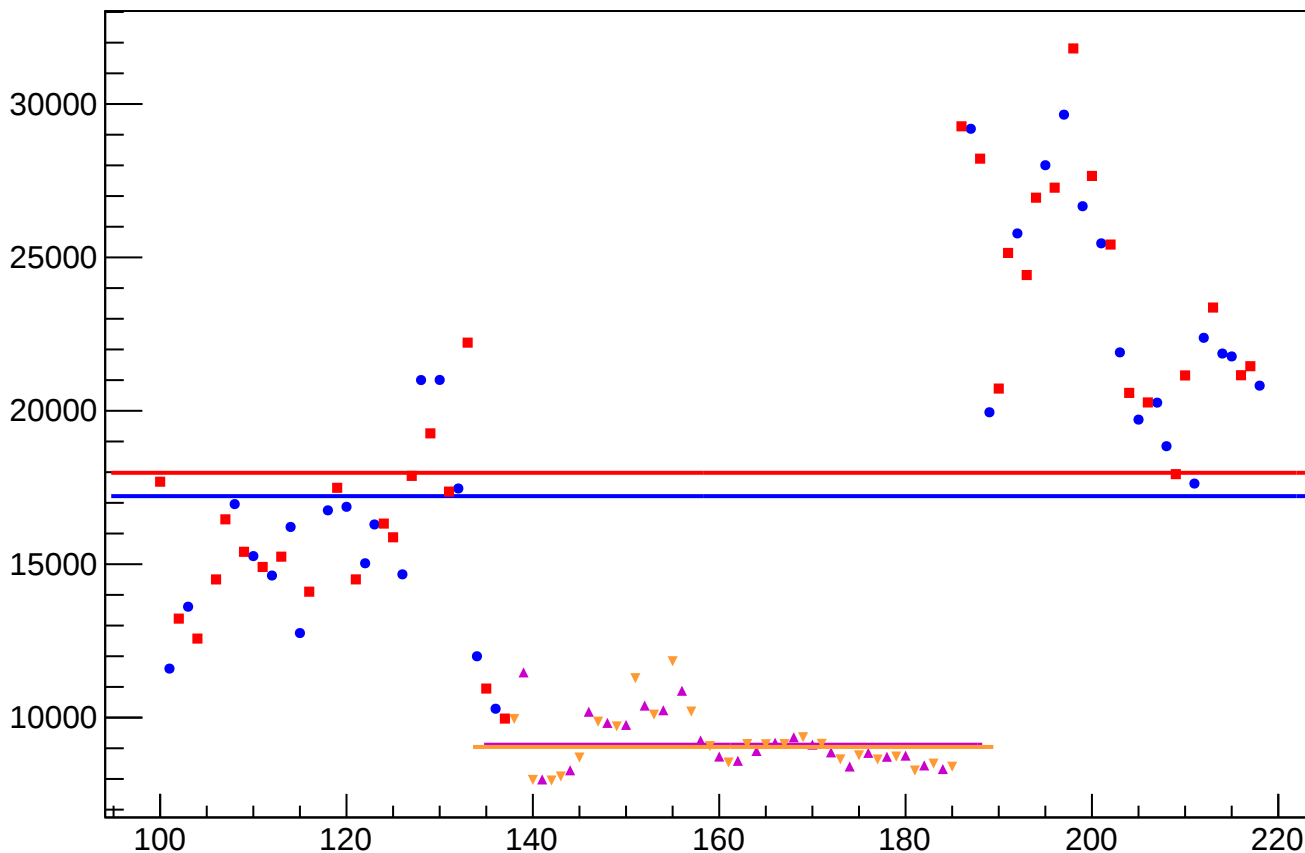
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -11.278 ± 1.894 χ^2/NDF : 111.8/57

All: -7.374 ± 1.361 χ^2/NDF : 193.9/116

- sign -3.212 ± 1.956 χ^2/NDF : 73.3/58

diff_bpm4acX_rms vs Slug



Right In: 17218.720 $\pm$ 2.992 χ^2 /NDF: 2921560.4/32

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

+ sign 10681.355 $\pm$ 1.339 χ^2 /NDF: 9218229.6/57

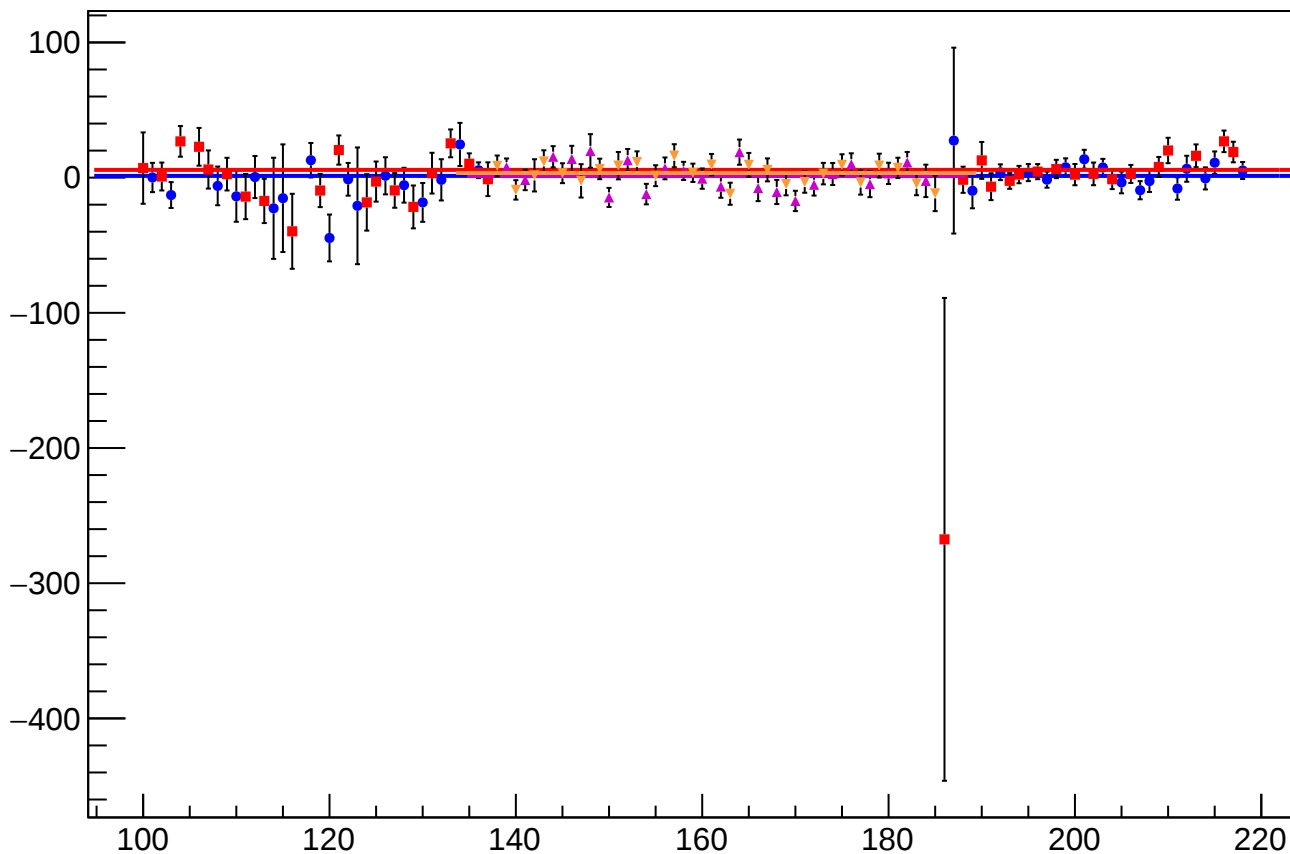
Right Out: 17979.636 $\pm$ 3.063 χ^2 /NDF: 2913529.5/35

All: 10798.767 $\pm$ 0.962 χ^2 /NDF: 19091474.6

Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

- sign 10923.943 $\pm$ 1.383 χ^2 /NDF: 9857368.0/58

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: 5.738+/-1.592 χ^2/NDF : 47.4/35

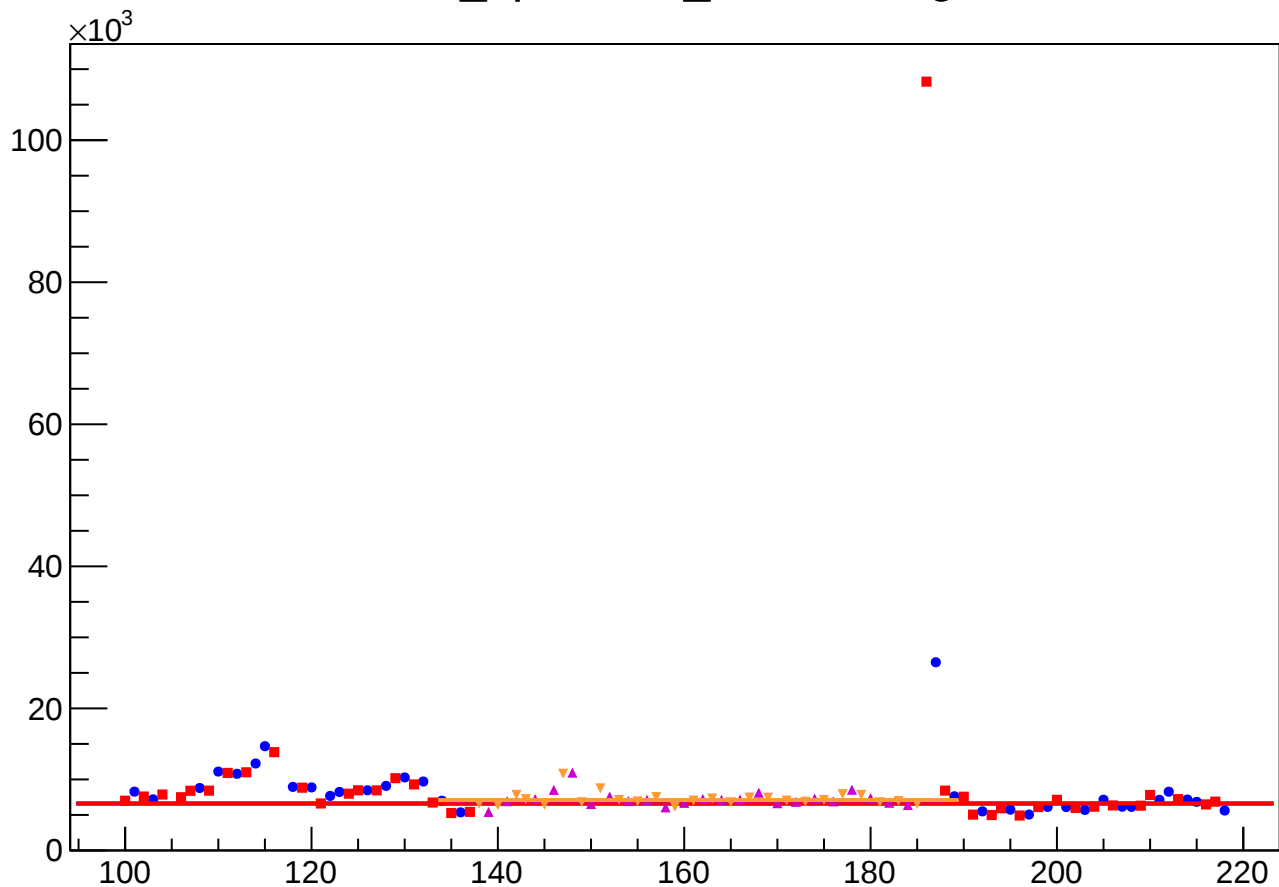
Left In: 1.291+/-1.701 χ^2/NDF : 36.5/22

+ sign 2.315+/-1.152 χ^2/NDF : 49.4/57

All: 2.982+/-0.818 χ^2/NDF : 137.7/116

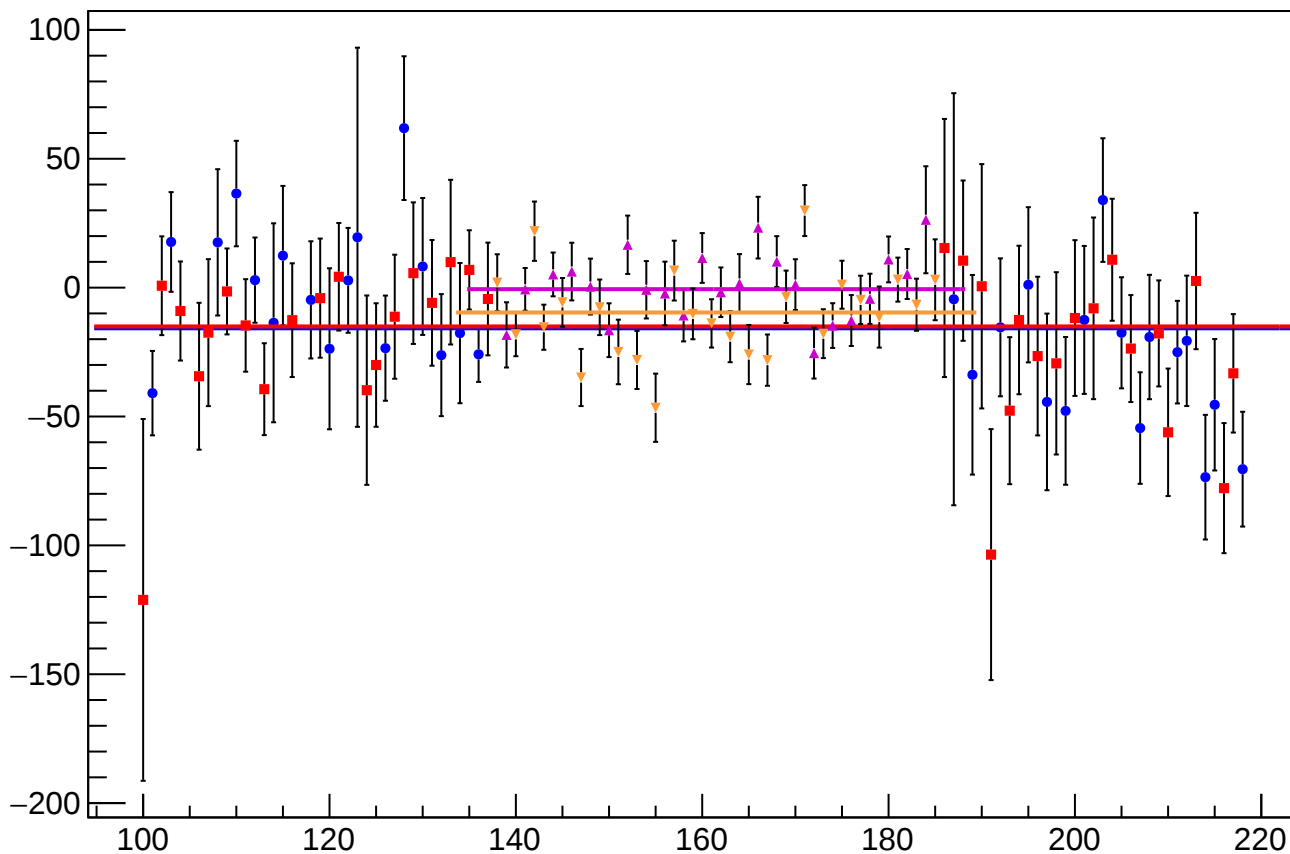
- sign 3.661+/-1.162 χ^2/NDF : 87.6/58

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: 6827.859 $\pm$ 0.579	χ^2/NDF : 4900270.3/11
Right Out: 6635.702 $\pm$ 1.126	χ^2/NDF : 2156903.9/35	- sign 6821.613 $\pm$ 0.822	χ^2/NDF : 2756294.9/58
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: -15.052 ± 4.077 χ^2/NDF : 29.1/35

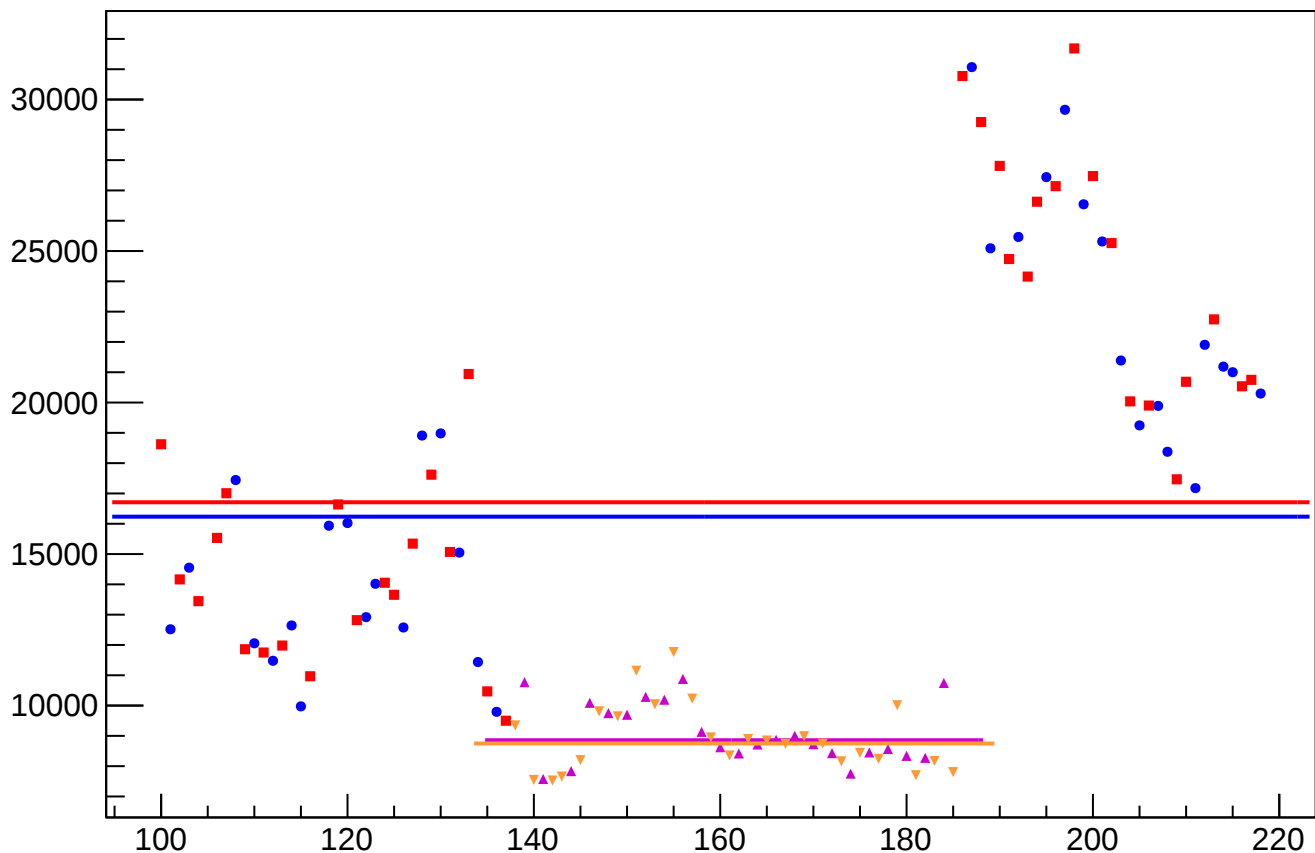
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -10.917 ± 1.831 χ^2/NDF : 109.7/57

All: -7.430 ± 1.316 χ^2/NDF : 185.8/116

- sign -3.710 ± 1.891 χ^2/NDF : 68.6/58

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: 16709.590 $\pm$ 2.883 χ^2 /NDF: 3742163.4/35

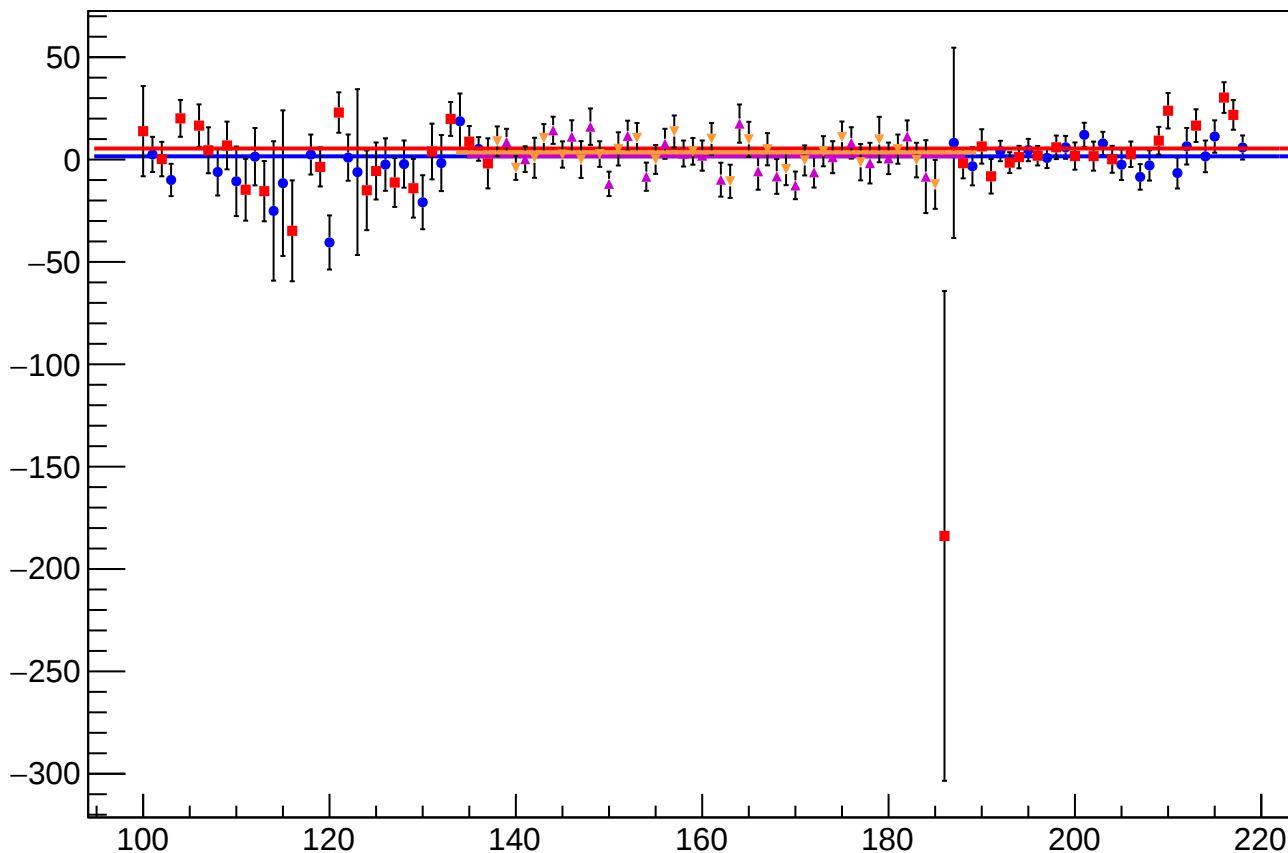
Left In: 8855.591 $\pm$ 1.510 χ^2 /NDF:367542.7/22

+ sign 10303.399 $\pm$ 1.295 χ^2 /NDF: 9393132.7/57

All: 10420.799 $\pm$ 0.930 χ^2 /NDF: 19345091.5

- sign 10546.045 $\pm$ 1.337 χ^2 /NDF: 9934967.9/58

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: 5.395 ± 1.386 χ^2/NDF : 57.4/35

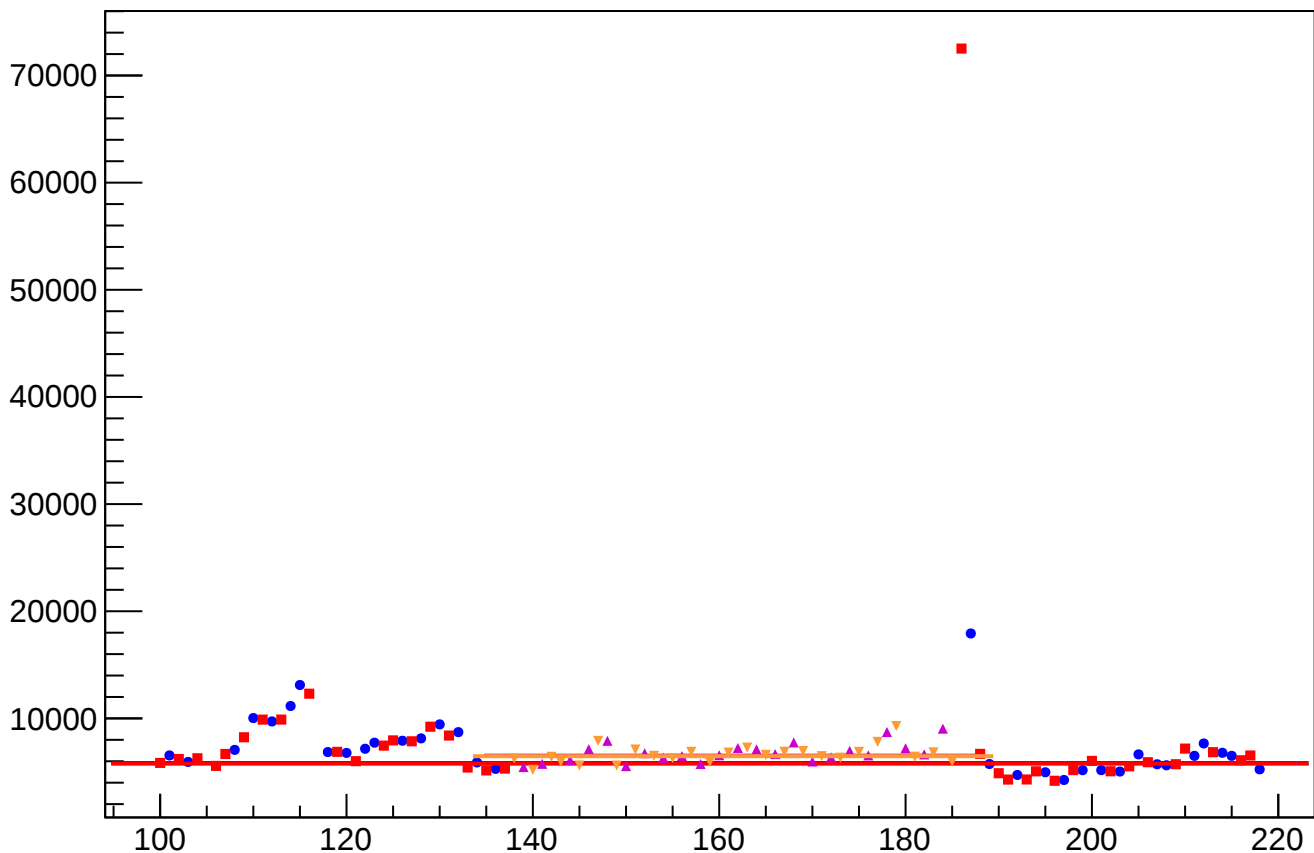
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.451 ± 1.035 χ^2/NDF : 48.4/57

All: 3.101 ± 0.734 χ^2/NDF : 143.6/116

- sign 3.760 ± 1.041 χ^2/NDF : 94.3/58

diff_bpm4ecY_rms vs Slug



Right In: 5827.797+/-0.997 χ^2/NDF : 1668938.3/32

Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24

Right Out: 5781.127+/-0.980 χ^2/NDF : 2250808.4/35

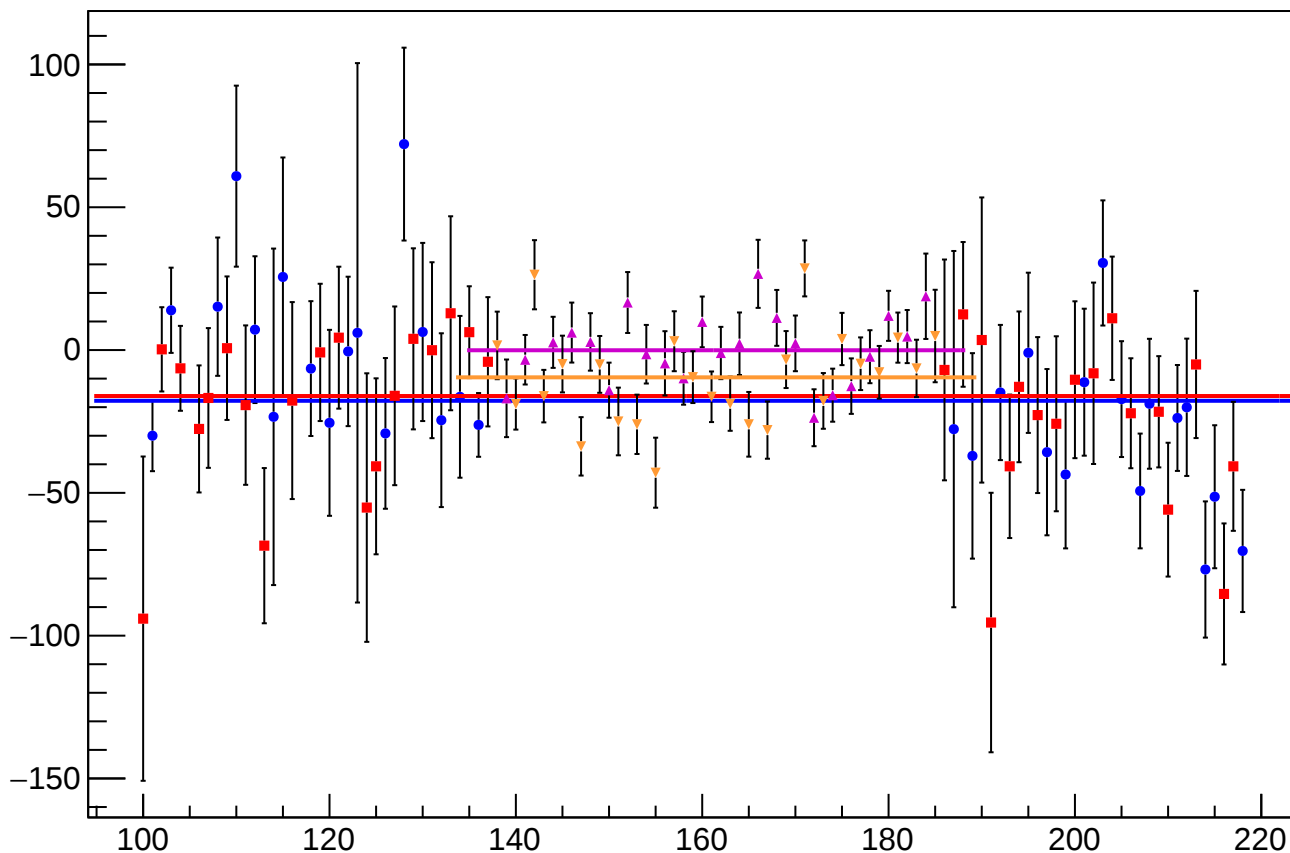
Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

+ sign 6124.669+/-0.732 χ^2/NDF : 2351800.6/57

All: 6114.247+/-0.519 χ^2/NDF : 5331981.8/11

- sign 6103.697+/-0.736 χ^2/NDF : 2979772.9/58

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: -16.095 ± 4.150 $\chi^2/\text{NDF}: 33.7/35$

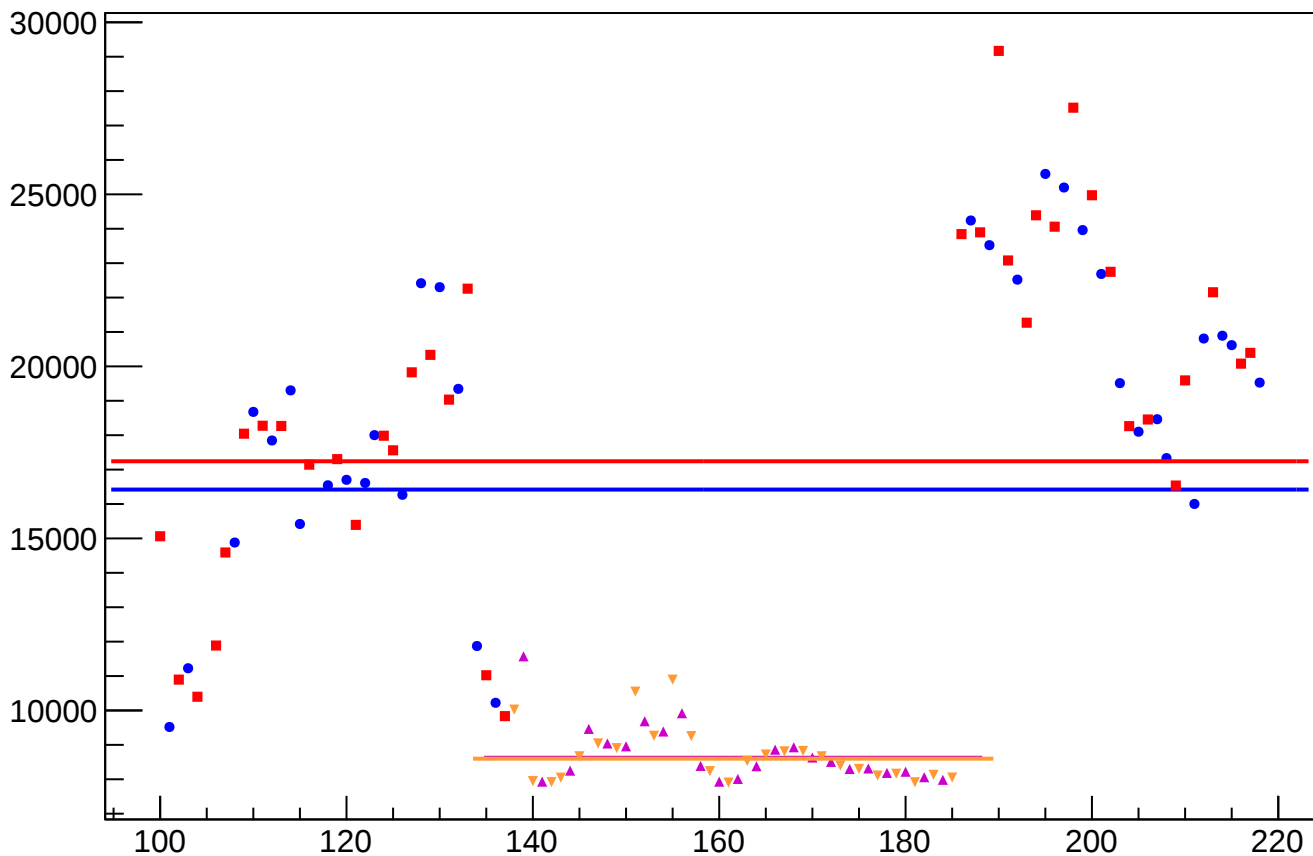
Left In: -0.072 ± 2.073 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.188 ± 1.800 $\chi^2/\text{NDF}: 111.2/57$

All: -7.347 ± 1.292 $\chi^2/\text{NDF}: 196.0/116$

- sign -3.271 ± 1.854 $\chi^2/\text{NDF}: 75.4/58$

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

+ sign 10156.182 $\pm$ 1.273 χ^2 /NDF: 9219560.6/57

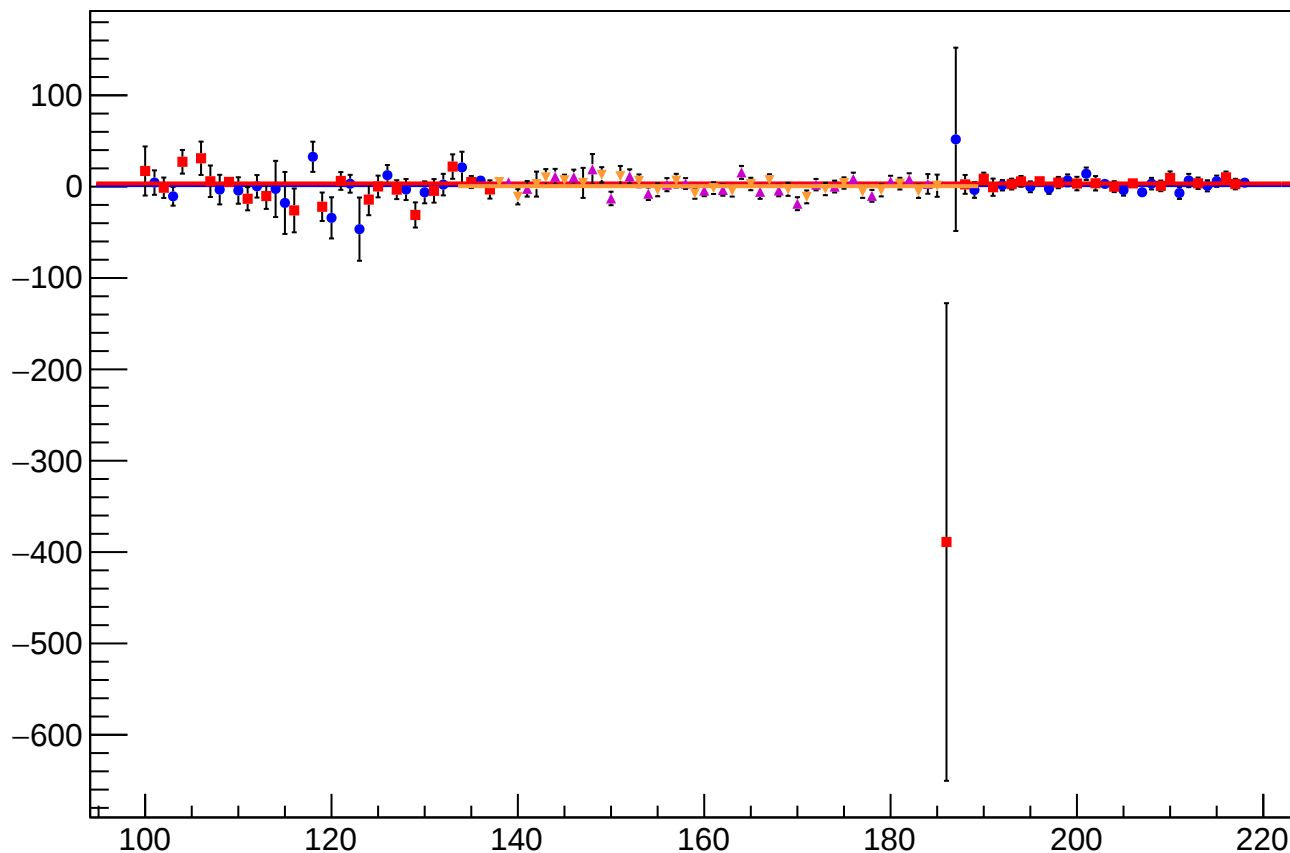
Right Out: 17242.339 $\pm$ 2.934 χ^2 /NDF: 2835823.4/35

All: 10248.237 $\pm$ 0.913 χ^2 /NDF: 19205849.1

Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

- sign 10345.888 $\pm$ 1.311 χ^2 /NDF: 9975513.1/58

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: 3.500 $\pm$ 1.336 χ^2 /NDF: 29.7/35

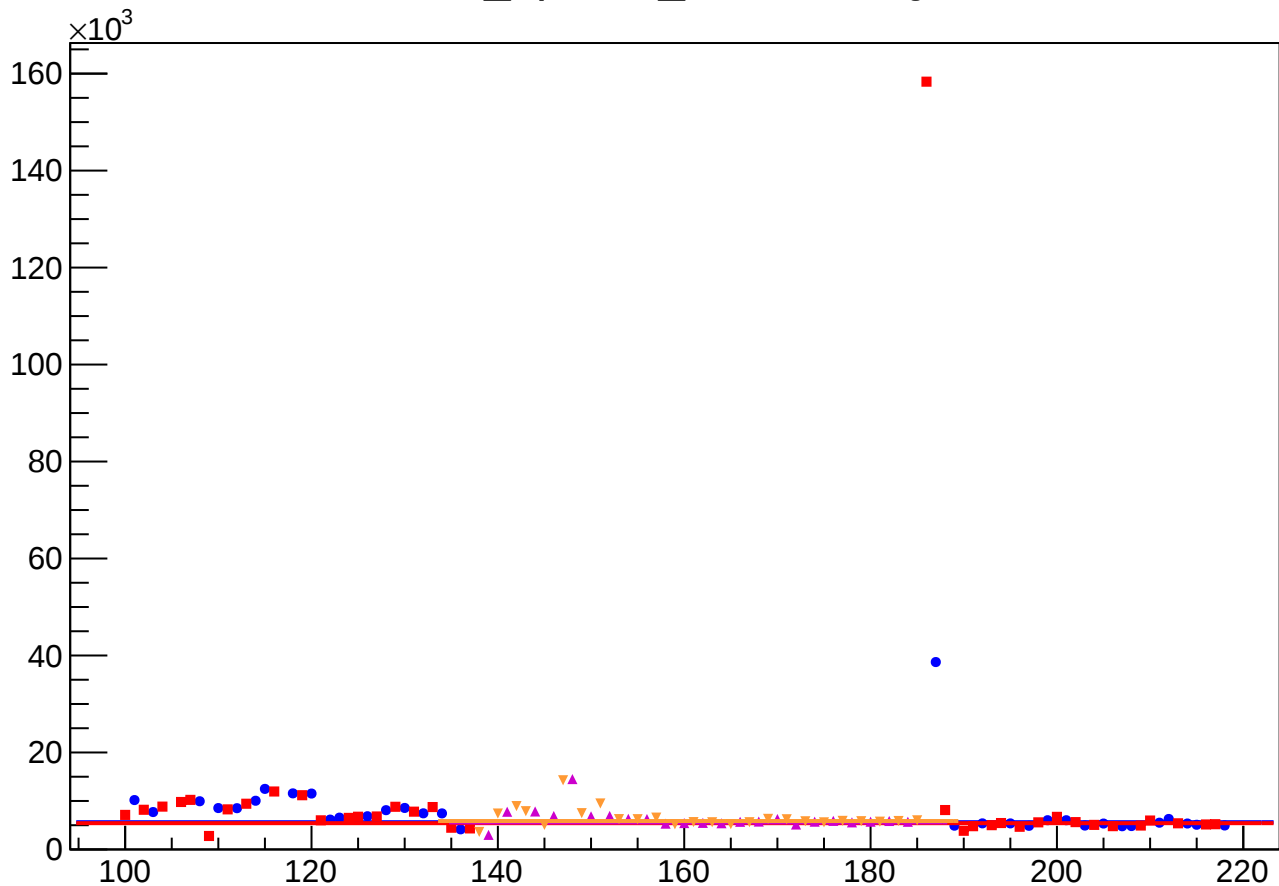
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.128 $\pm$ 0.985 χ^2 /NDF: 45.3/57

All: 1.740 $\pm$ 0.690 χ^2 /NDF: 109.9/116

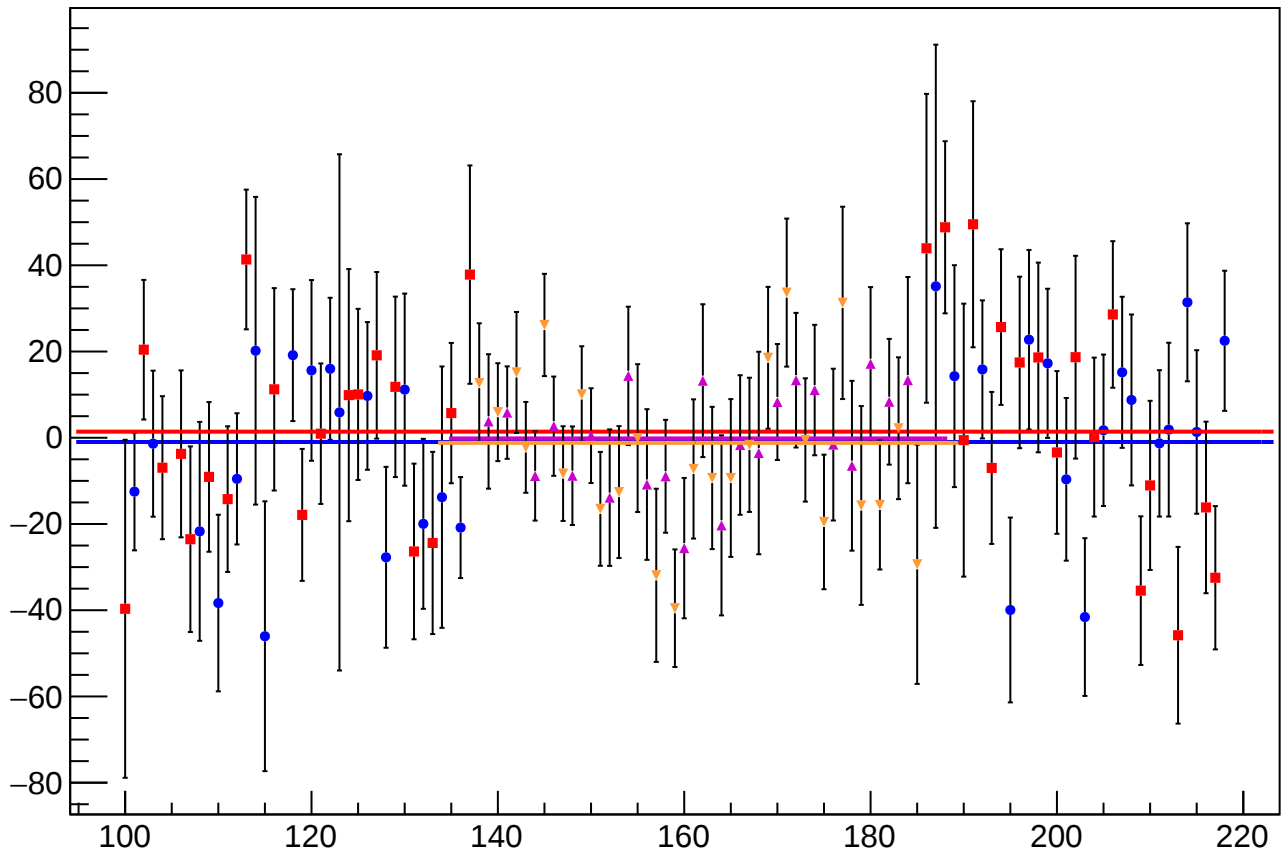
- sign 2.328 $\pm$ 0.965 χ^2 /NDF: 63.8/58

diff_bpm1Y_rms vs Slug



Right In: 5622.899+/-0.969	χ^2/NDF : 2169161.6/32	+ sign 5737.770+/-0.697	χ^2/NDF : 3888269.4/57
Left Out: 5860.605+/-1.002	χ^2/NDF : 1690049.2/24	All: 5612.372+/-0.488	χ^2/NDF : 9595740.8/11
Right Out: 5419.399+/-0.945	χ^2/NDF : 3468869.3/35	- sign 5492.077+/-0.683	χ^2/NDF : 5644022.7/58
Left In: 5571.330+/-0.987	χ^2/NDF : 2162788.3/22		

diff_bpm11X_mean vs Slug



Right In: -0.985 ± 3.297 χ^2/NDF : 36.3/32

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 1.412 ± 3.262 χ^2/NDF : 51.6/35

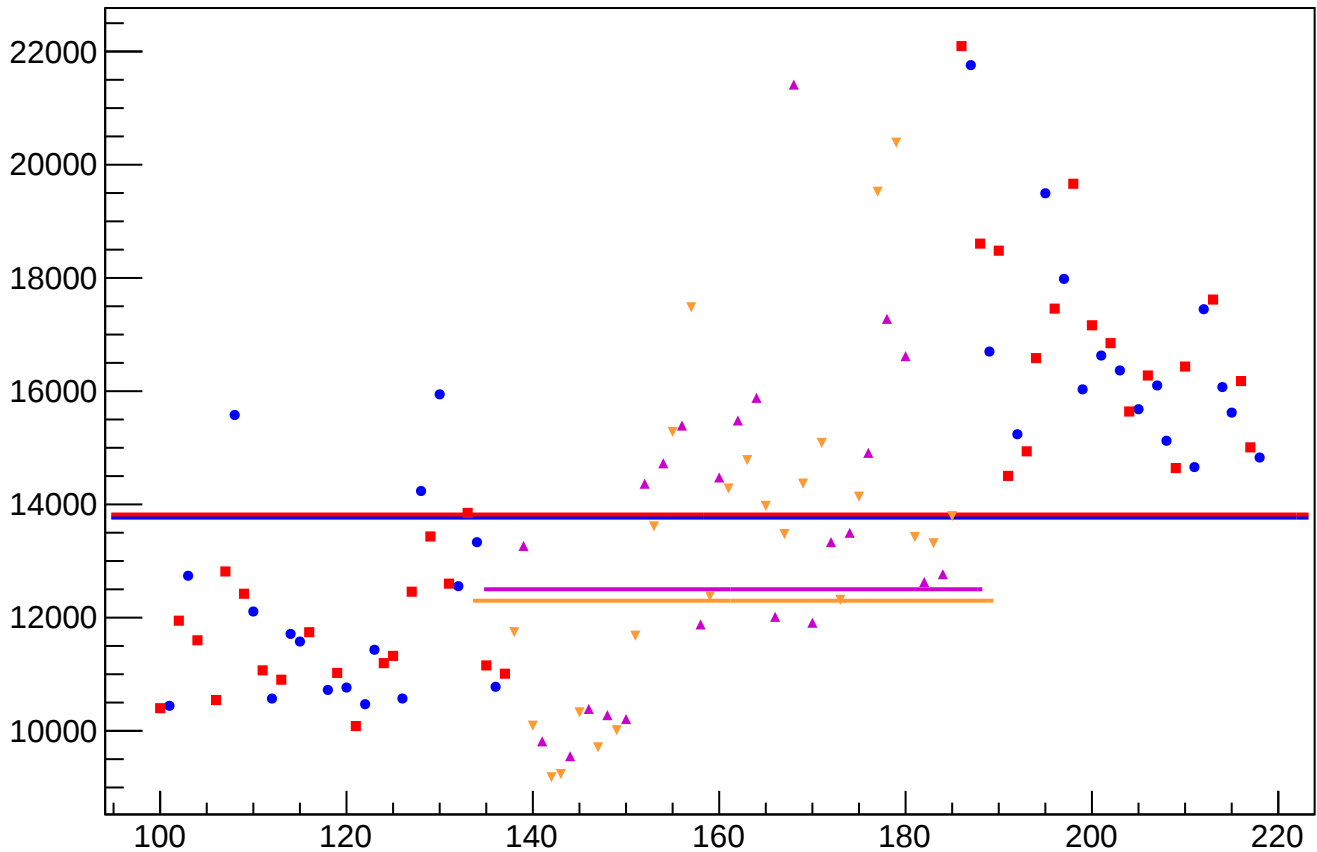
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -1.095 ± 2.194 χ^2/NDF : 70.0/57

All: -0.273 ± 1.564 χ^2/NDF : 133.5/116

- sign 0.577 ± 2.231 χ^2/NDF : 63.3/58

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: 13821.283 $\pm$ 2.307 χ^2 /NDF: 1435325.2/35

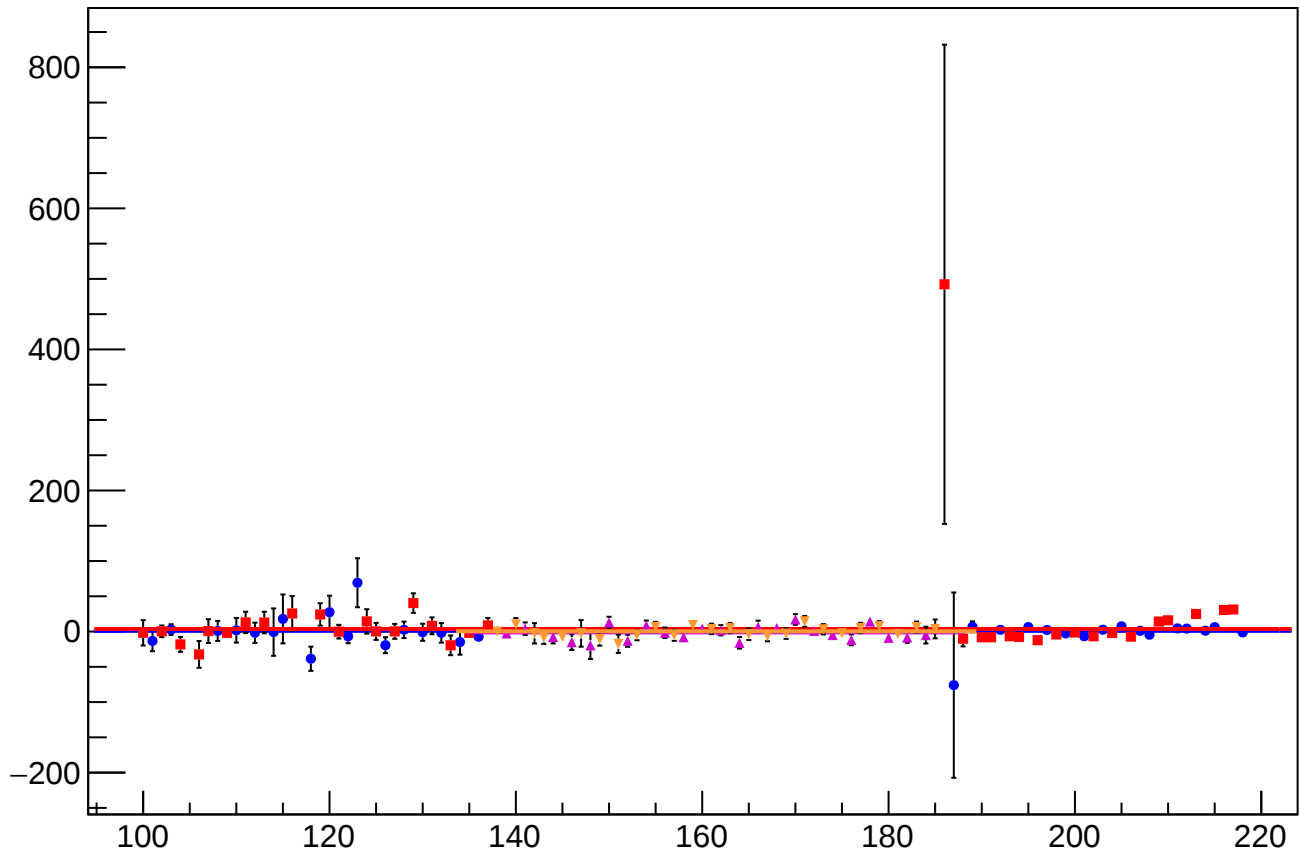
Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF: 1357889.1/22

+ sign 12948.731 $\pm$ 1.551 χ^2 /NDF: 3042377.4/57

All: 13032.171 $\pm$ 1.106 χ^2 /NDF: 6015911.3/100

- sign 13118.459 $\pm$ 1.578 χ^2 /NDF: 2967649.0/58

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: 3.670 ± 1.134 χ^2/NDF : 158.8/35

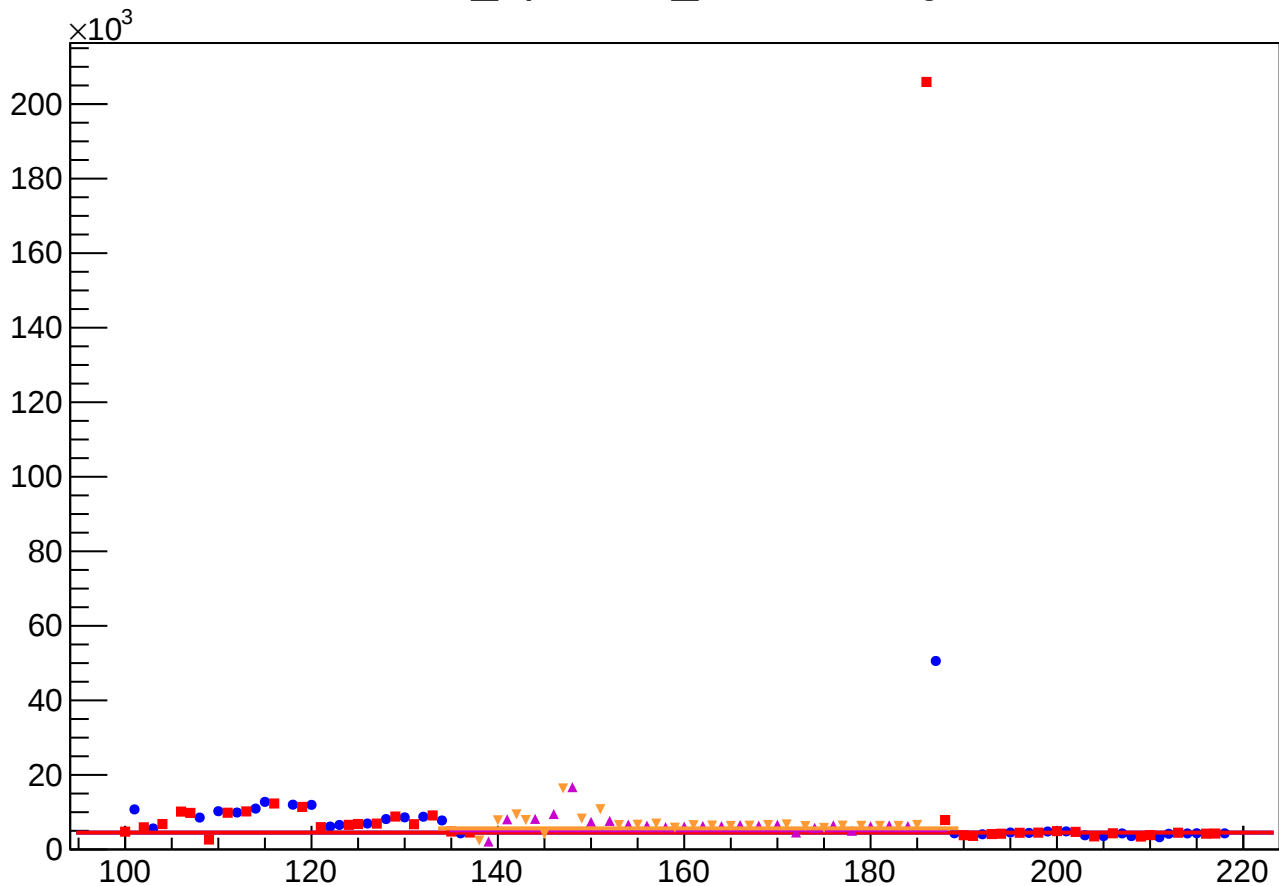
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.760 ± 0.886 χ^2/NDF : 49.9/57

All: 1.240 ± 0.622 χ^2/NDF : 250.3/116

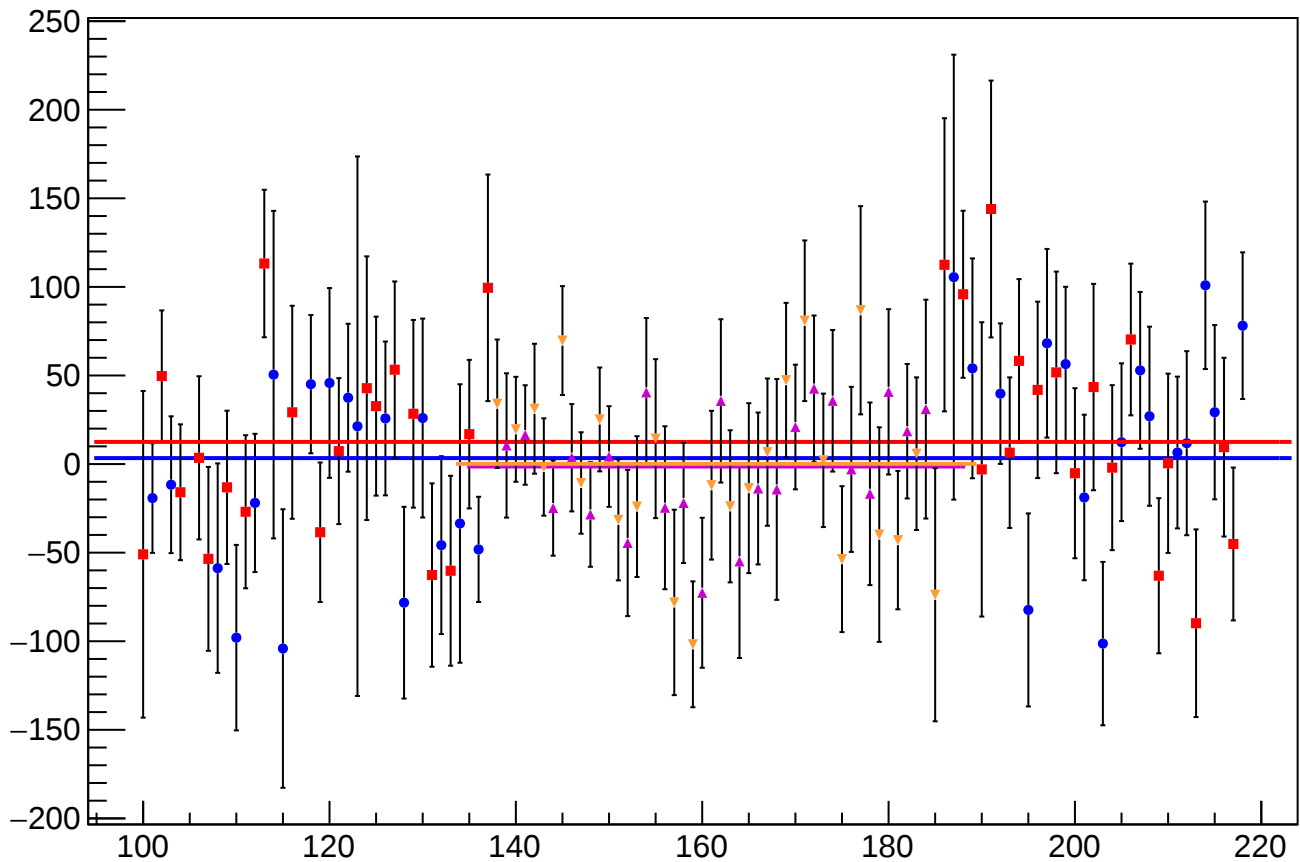
- sign 1.707 ± 0.874 χ^2/NDF : 199.8/58

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: 4525.089 ± 0.802 $\chi^2/\text{NDF}: 3972735.3/35$ All: 4865.073 ± 0.440 $\chi^2/\text{NDF}: 18099982.3/100$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$ - sign 4773.859 ± 0.618 $\chi^2/\text{NDF}: 9705451.9/58$

diff_bpm12X_mean vs Slug



Right In: 3.368 ± 8.254 χ^2/NDF : 39.8/32

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 12.506 ± 8.166 χ^2/NDF : 40.0/35

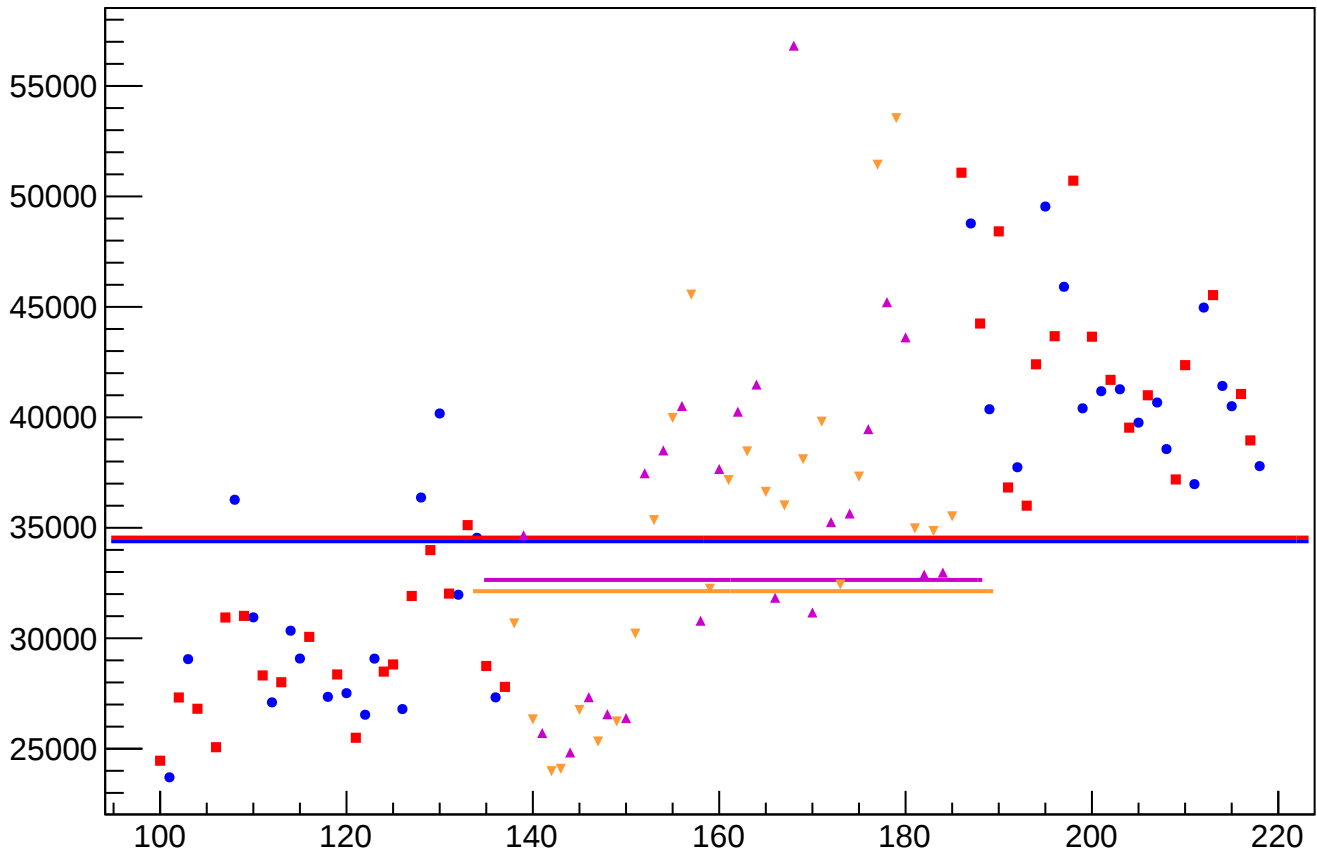
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign 1.640 ± 5.624 χ^2/NDF : 71.1/57

All: 3.499 ± 4.007 χ^2/NDF : 126.1/116

- sign 5.415 ± 5.711 χ^2/NDF : 54.8/58

diff_bpm12X_rms vs Slug



Right In: 34390.922+/-5.837 χ^2/NDF : 1438879.7/32

Left Out: 32132.314+/-5.433 χ^2/NDF :1540079.4/24

Right Out: 34557.625+/-5.774 χ^2/NDF : 1524604.0/35

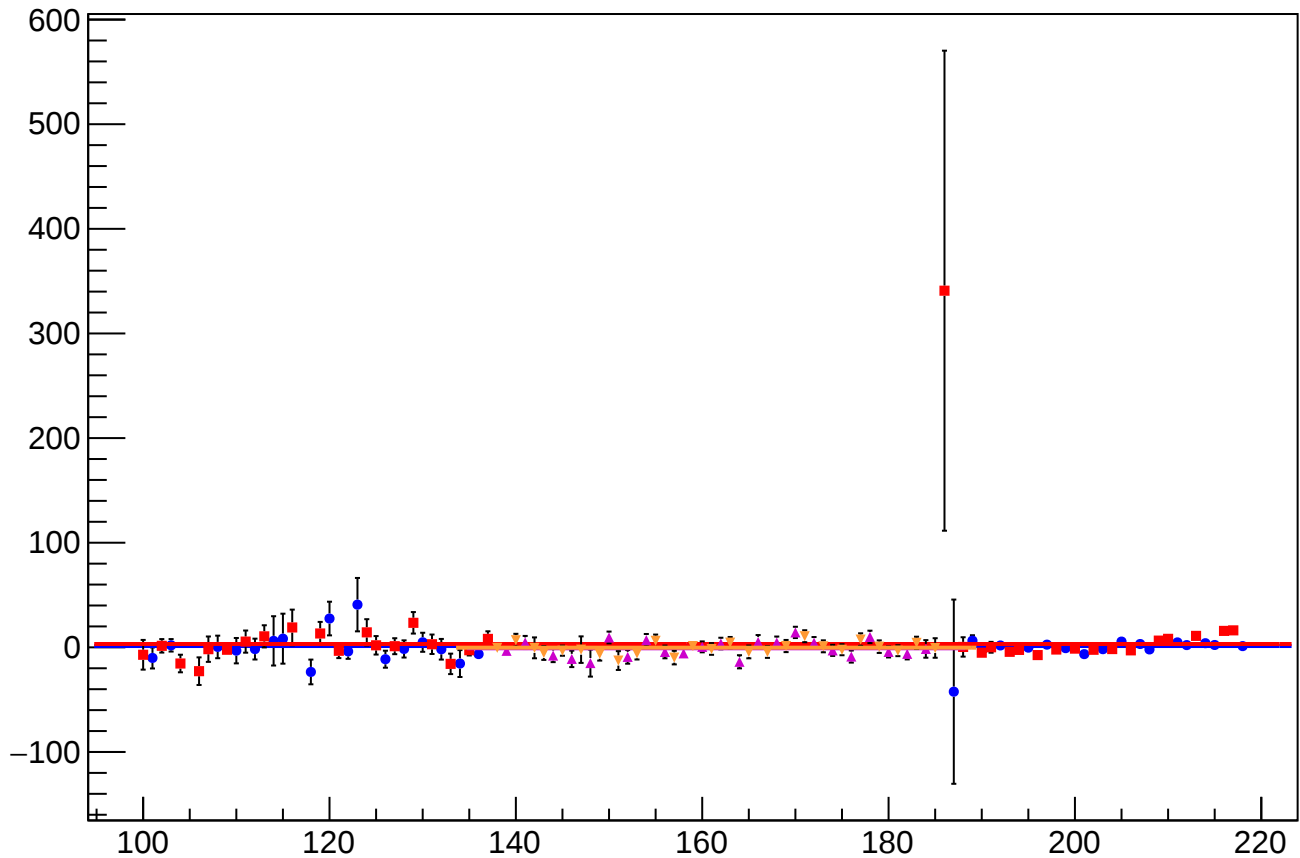
Left In: 32641.162+/-5.650 χ^2/NDF :1402162.4/22

+ sign 33180.804+/-3.977 χ^2/NDF : 3059190.3/57

All: 33376.635+/-2.833 χ^2/NDF : 6047160.4/100

- sign 33578.578+/-4.038 χ^2/NDF : 2983044.4/58

diff_bpm12Y_mean vs Slug



Right In: 1.261 $\pm$ 0.650 χ^2 /NDF: 40.2/32

Left Out: -0.312 $\pm$ 1.172 χ^2 /NDF: 17.6/24

Right Out: 3.204 $\pm$ 0.684 χ^2 /NDF: 138.2/35

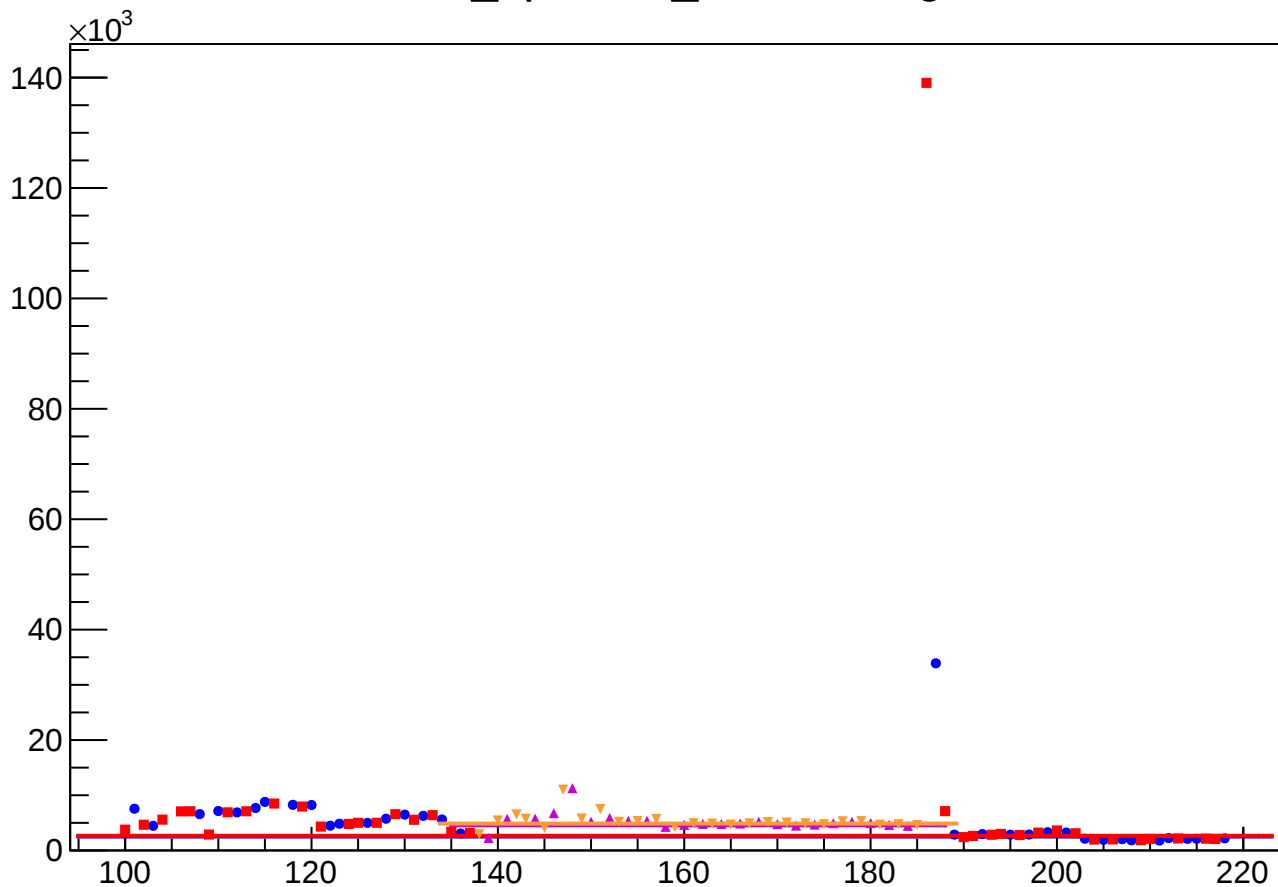
Left In: -0.908 $\pm$ 1.142 χ^2 /NDF: 36.2/22

+ sign 0.891 $\pm$ 0.568 χ^2 /NDF: 59.3/57

All: 1.484 $\pm$ 0.408 χ^2 /NDF: 245.4/116

- sign 2.118 $\pm$ 0.587 χ^2 /NDF: 183.9/58

diff_bpm12Y_rms vs Slug



Right In: 2522.922 ± 0.460 $\chi^2/\text{NDF}: 5544220.2/32$

Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$

Right Out: 2657.633 ± 0.484 $\chi^2/\text{NDF}: 6071498.1/35$

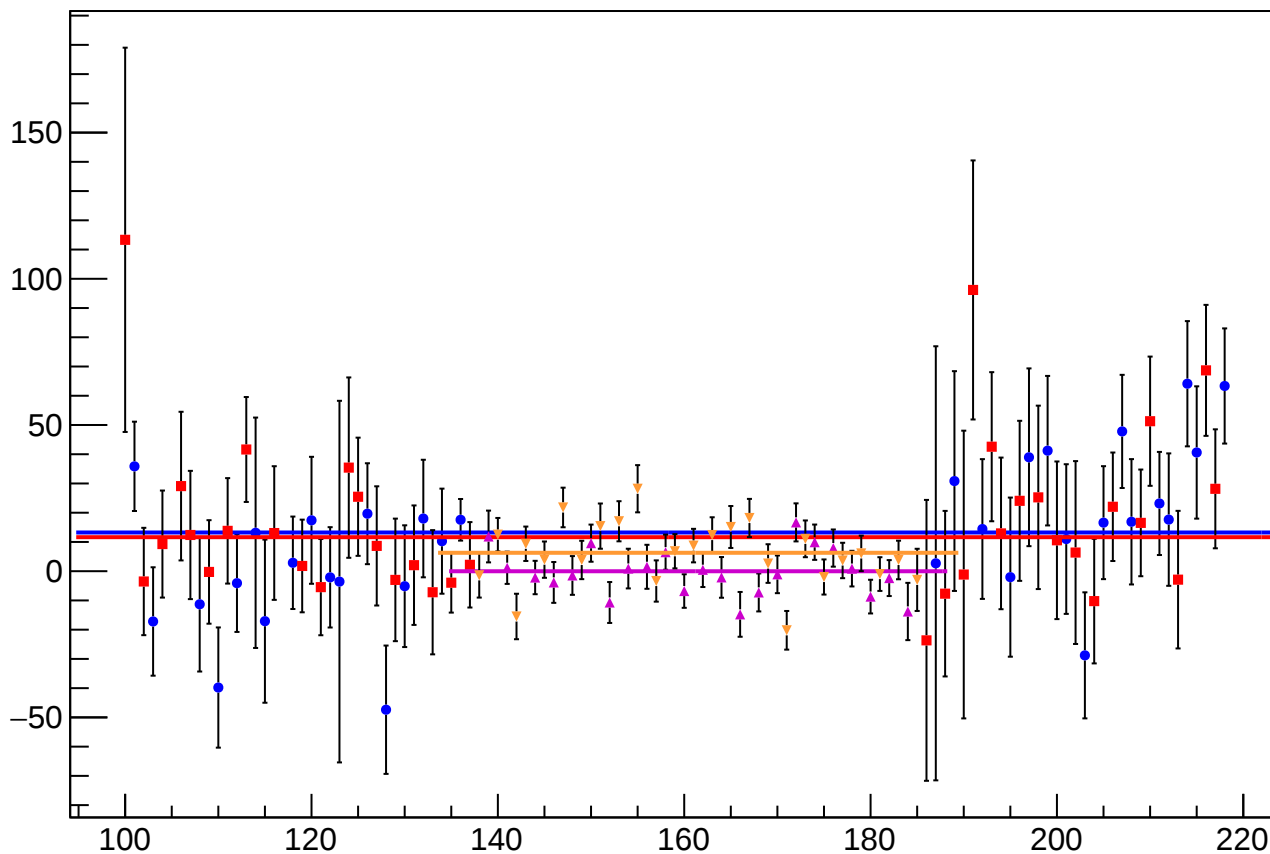
Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

+ sign 3074.929 ± 0.402 $\chi^2/\text{NDF}: 13184652.3/57$

All: 3114.144 ± 0.289 $\chi^2/\text{NDF}: 25925866.7/100$

- sign 3155.969 ± 0.415 $\chi^2/\text{NDF}: 12721540.7/58$

diff_bpm16X_mean vs Slug



Right In: 13.237 ± 3.342 χ^2/NDF : 48.7/32

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 11.630 ± 3.480 χ^2/NDF : 32.4/35

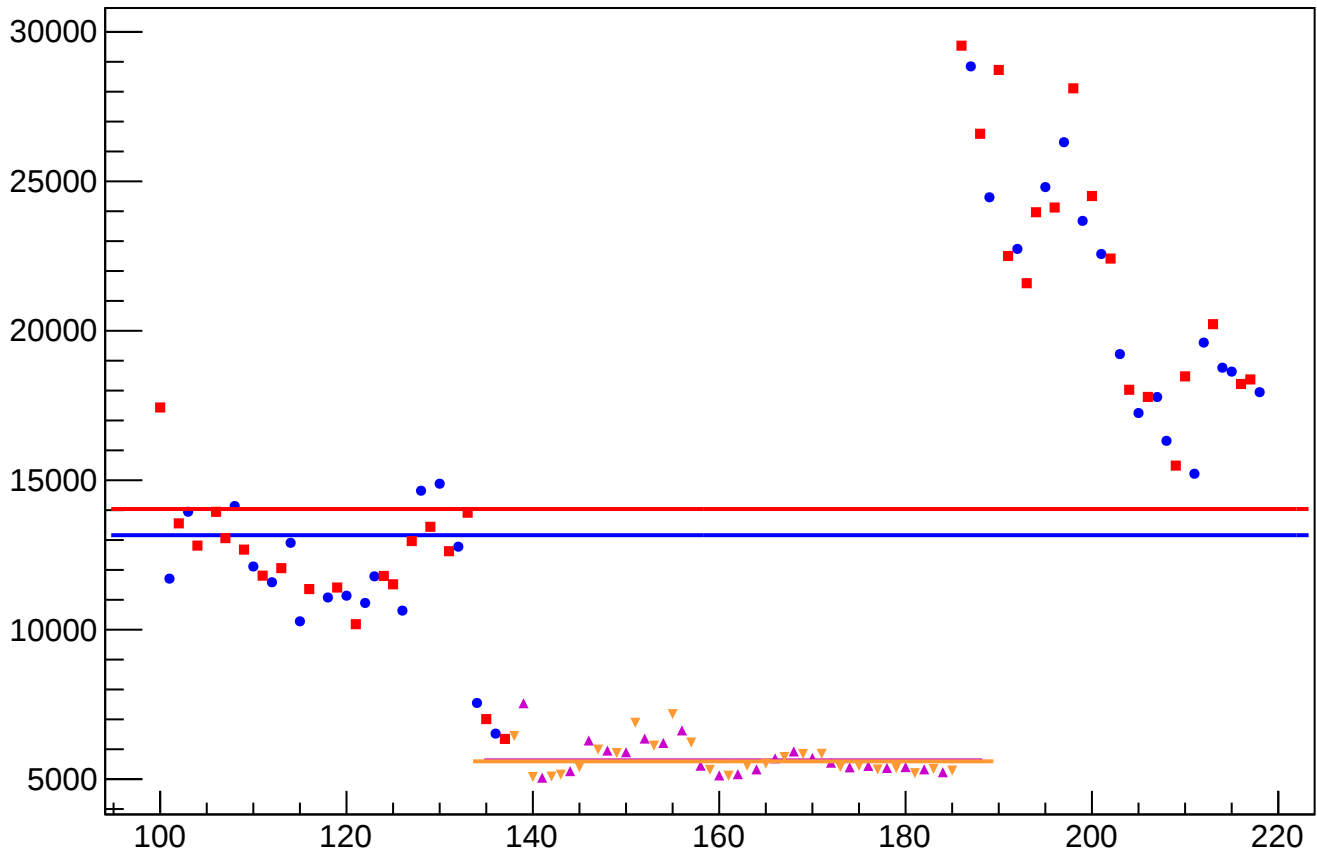
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 7.220 ± 1.220 χ^2/NDF : 109.0/57

All: 4.460 ± 0.877 χ^2/NDF : 191.7/116

- sign 1.510 ± 1.261 χ^2/NDF : 72.1/58

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: 14037.607+/-2.461 χ^2/NDF : 4822727.3/35

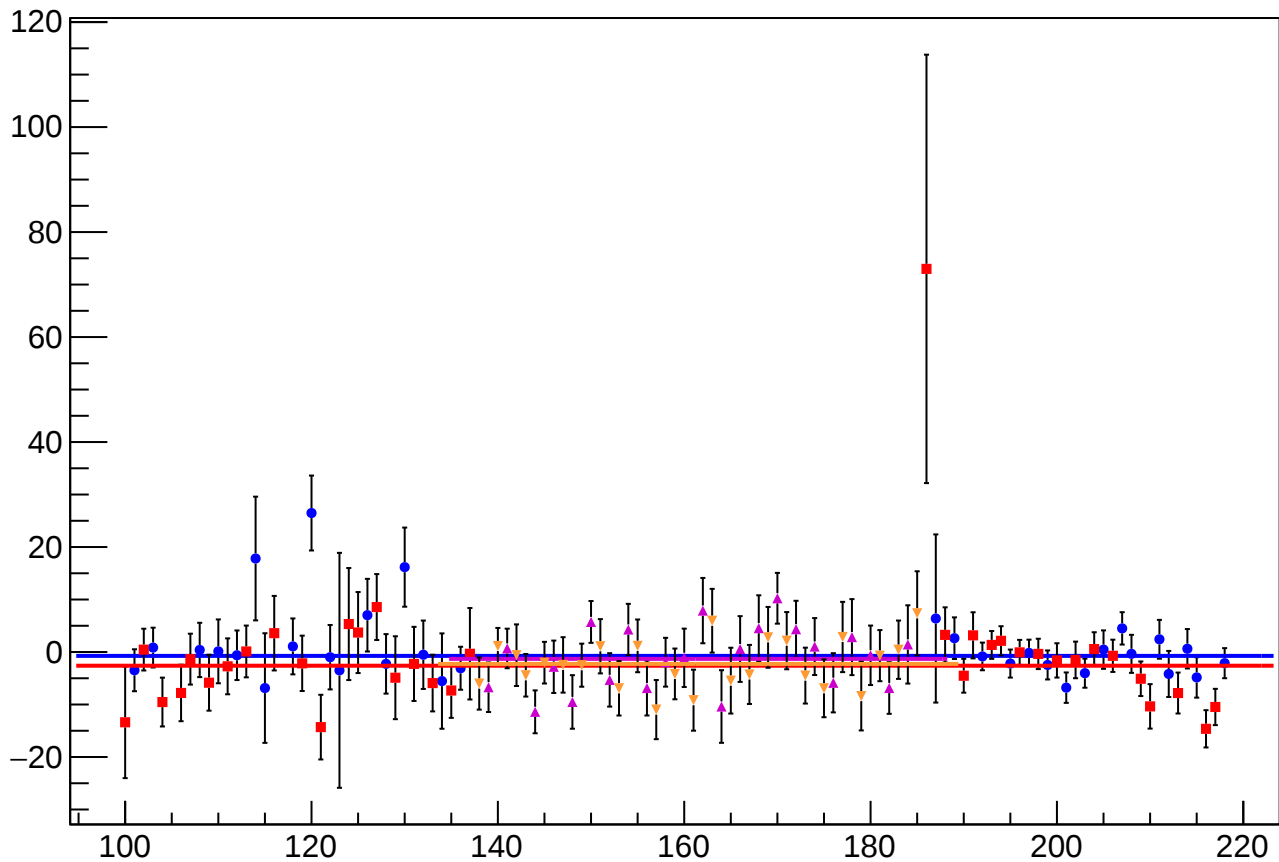
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6603.971+/-0.863 χ^2/NDF : 14232791.0/57

All: 6665.811+/-0.620 χ^2/NDF : 29494128.9/100

- sign 6731.907+/-0.892 χ^2/NDF : 15250703.9/58

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: -2.610 ± 0.695 χ^2/NDF : 53.2/35

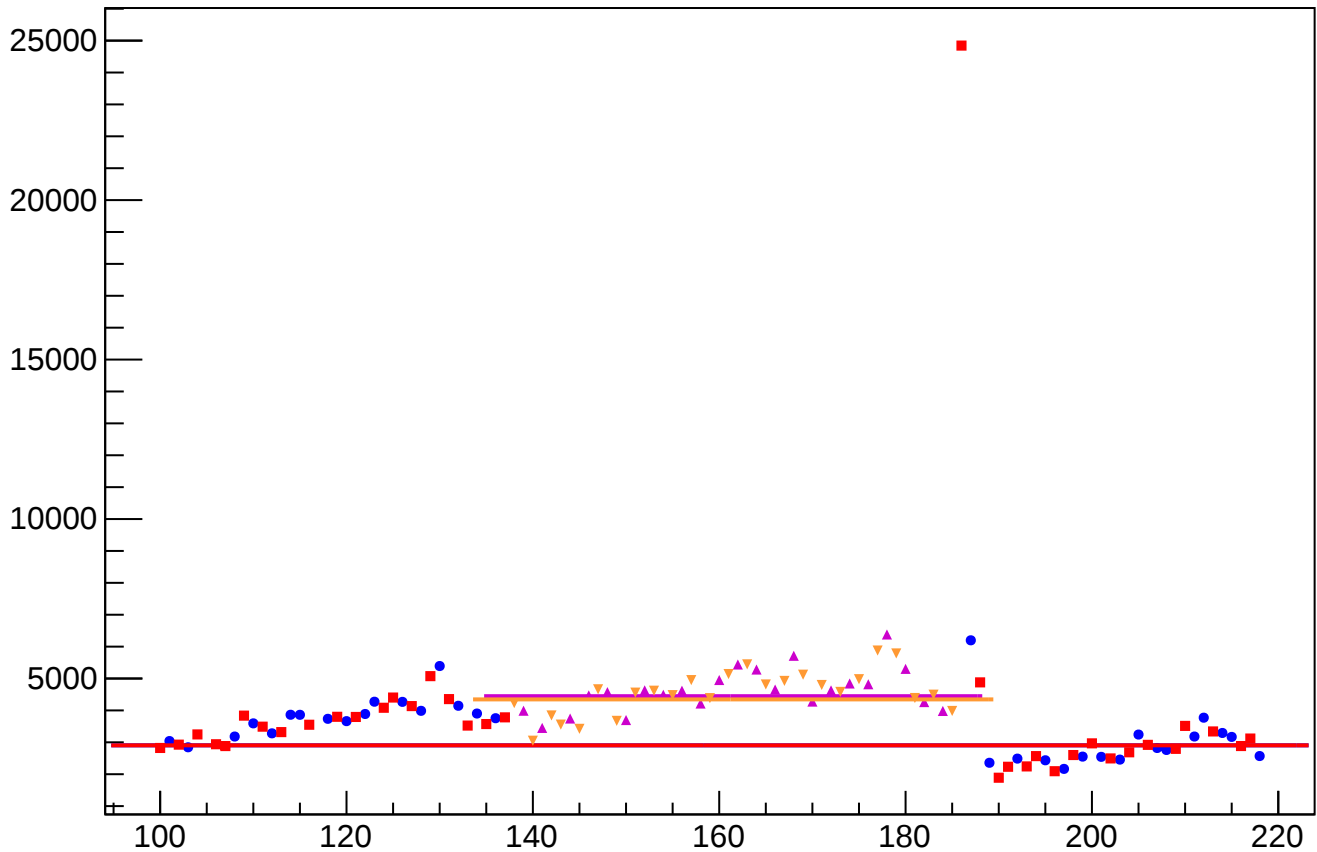
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.221 ± 0.579 χ^2/NDF : 55.4/57

All: -1.720 ± 0.411 χ^2/NDF : 141.9/116

- sign -2.226 ± 0.584 χ^2/NDF : 85.0/58

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: 2905.055+/-0.492 χ^2/NDF : 2346385.4/35

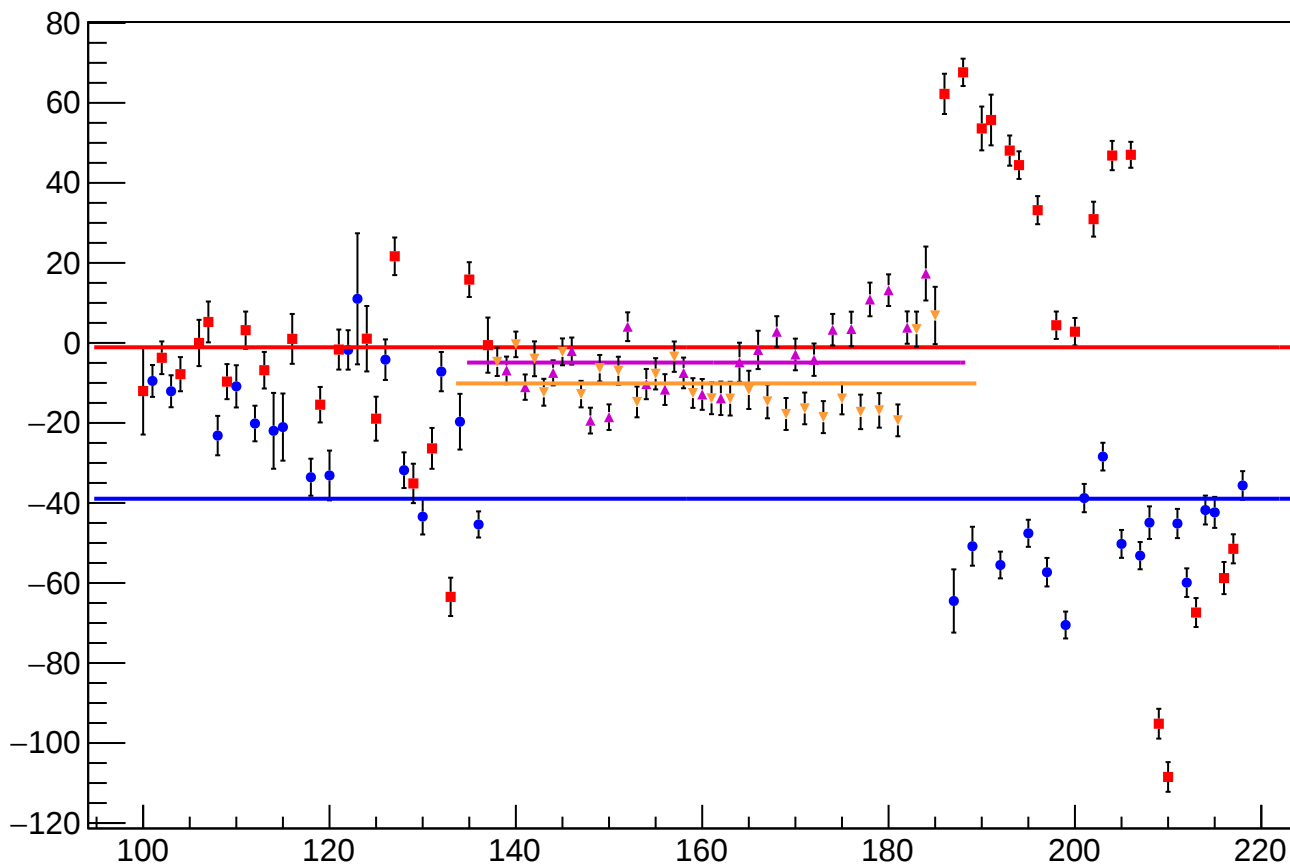
Left In: 4446.181+/-0.762 χ^2/NDF : 702797.6/22

+ sign 3361.182+/-0.410 χ^2/NDF : 5124336.9/57

All: 3359.716+/-0.291 χ^2/NDF : 11064252.5/1

- sign 3358.227+/-0.413 χ^2/NDF : 5939889.8/58

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: -1.090 ± 0.723 χ^2/NDF : 4155.9/35

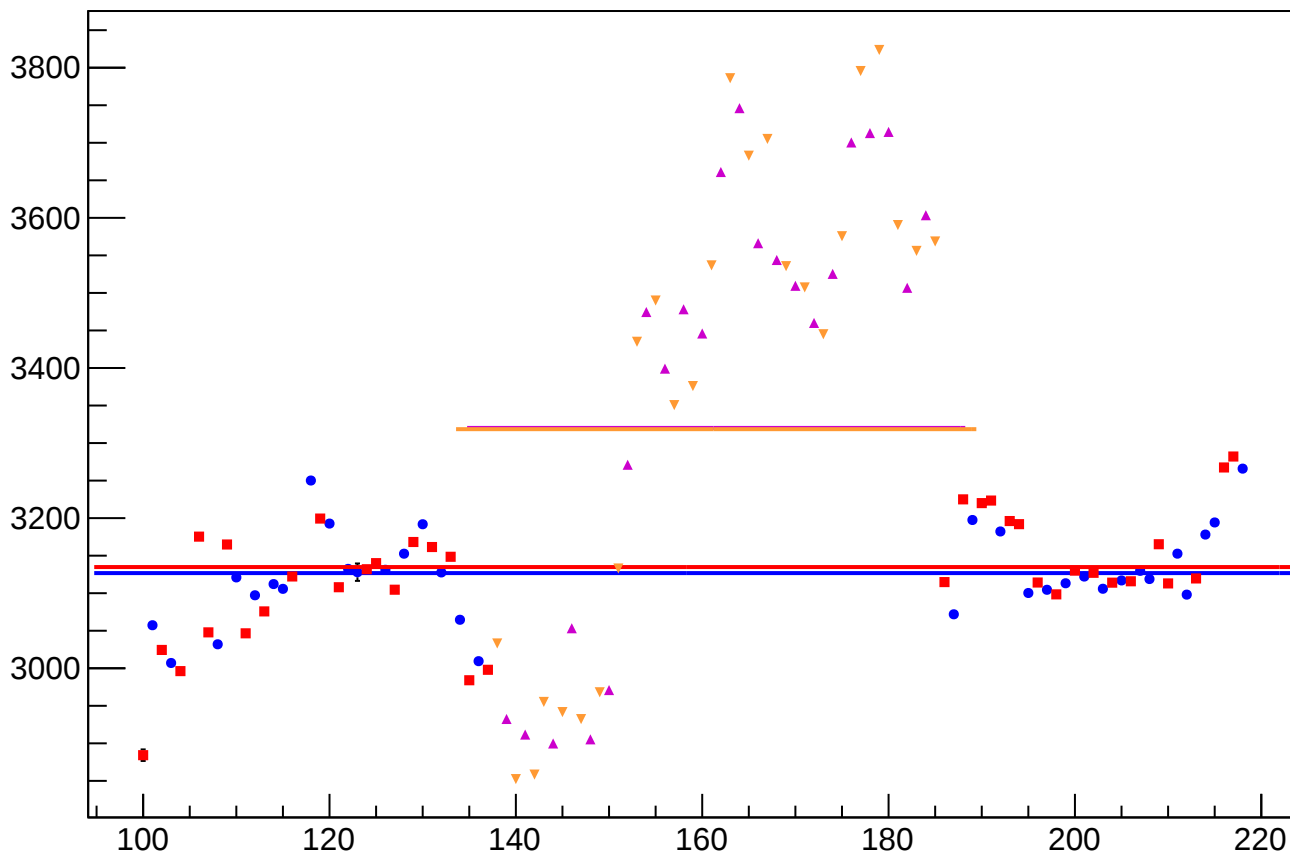
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -25.343 ± 0.533 χ^2/NDF : 1375.1/57

All: -14.136 ± 0.378 χ^2/NDF : 6561.4/116

- sign -2.814 ± 0.535 χ^2/NDF : 4296.5/58

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: 3134.830 $\pm$ 0.511 χ^2 /NDF: 19918.6/35

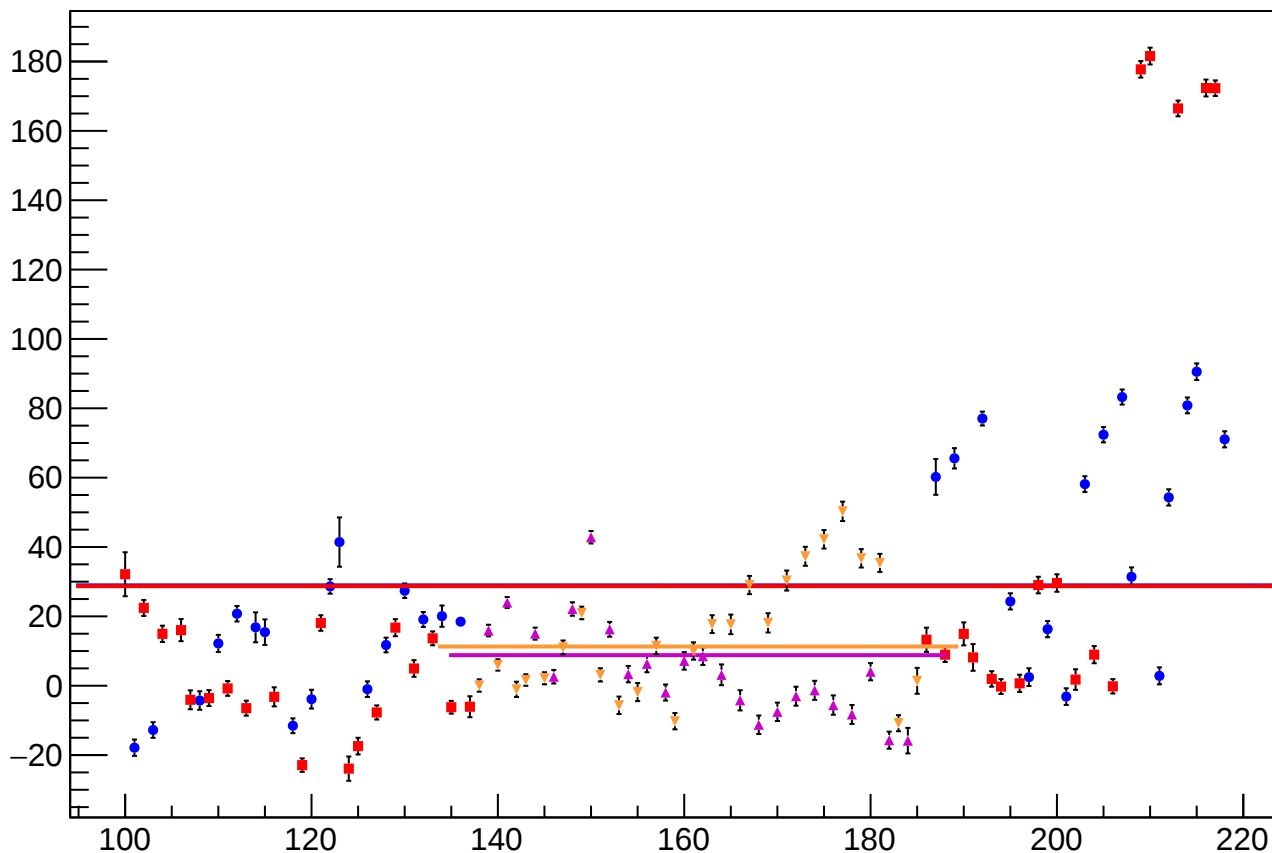
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3217.260 $\pm$ 0.377 χ^2 /NDF: 416066.4/57

All: 3217.852 $\pm$ 0.267 χ^2 /NDF: 782965.4/116

- sign 3218.450 $\pm$ 0.379 χ^2 /NDF: 366894.0/58

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: 28.719 ± 0.404 $\chi^2/\text{NDF}: 23385.2/35$

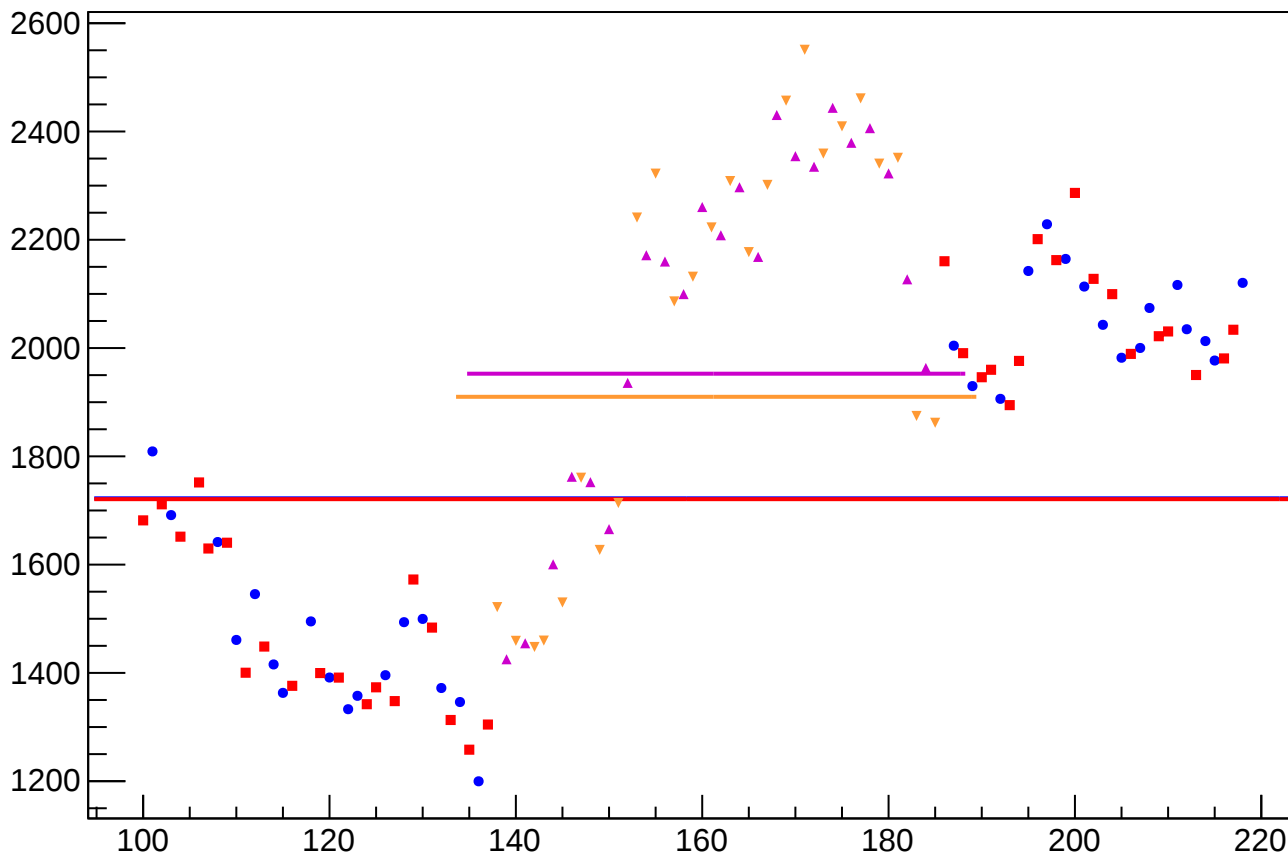
Left In: 8.815 ± 0.475 $\chi^2/\text{NDF}: 942.2/22$

+ sign 20.968 ± 0.305 $\chi^2/\text{NDF}: 7773.8/57$

All: 20.672 ± 0.217 $\chi^2/\text{NDF}: 33120.8/116$

- sign 20.370 ± 0.308 $\chi^2/\text{NDF}: 25345.1/58$

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: 1720.892+/-0.286 χ^2/NDF : 1248239.0/35

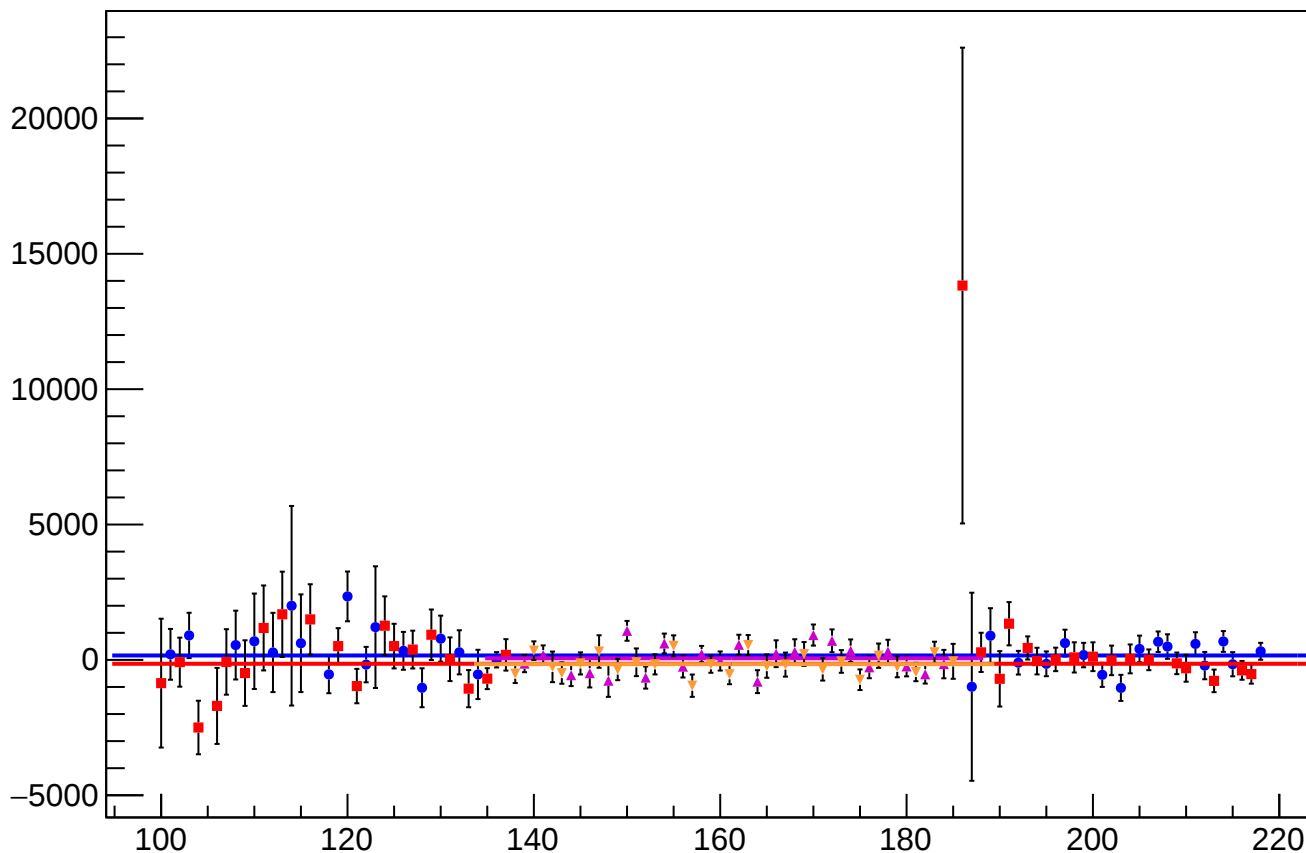
Left In: 1952.637+/-0.336 χ^2/NDF :1065333.8/22

+ sign 1807.170+/-0.216 χ^2/NDF : 2904981.4/57

All: 1812.584+/-0.153 χ^2/NDF : 5495772.5/11

- sign 1818.100+/-0.218 χ^2/NDF : 2589519.0/58

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: -142.997 ± 99.312 χ^2/NDF : 35.2/35

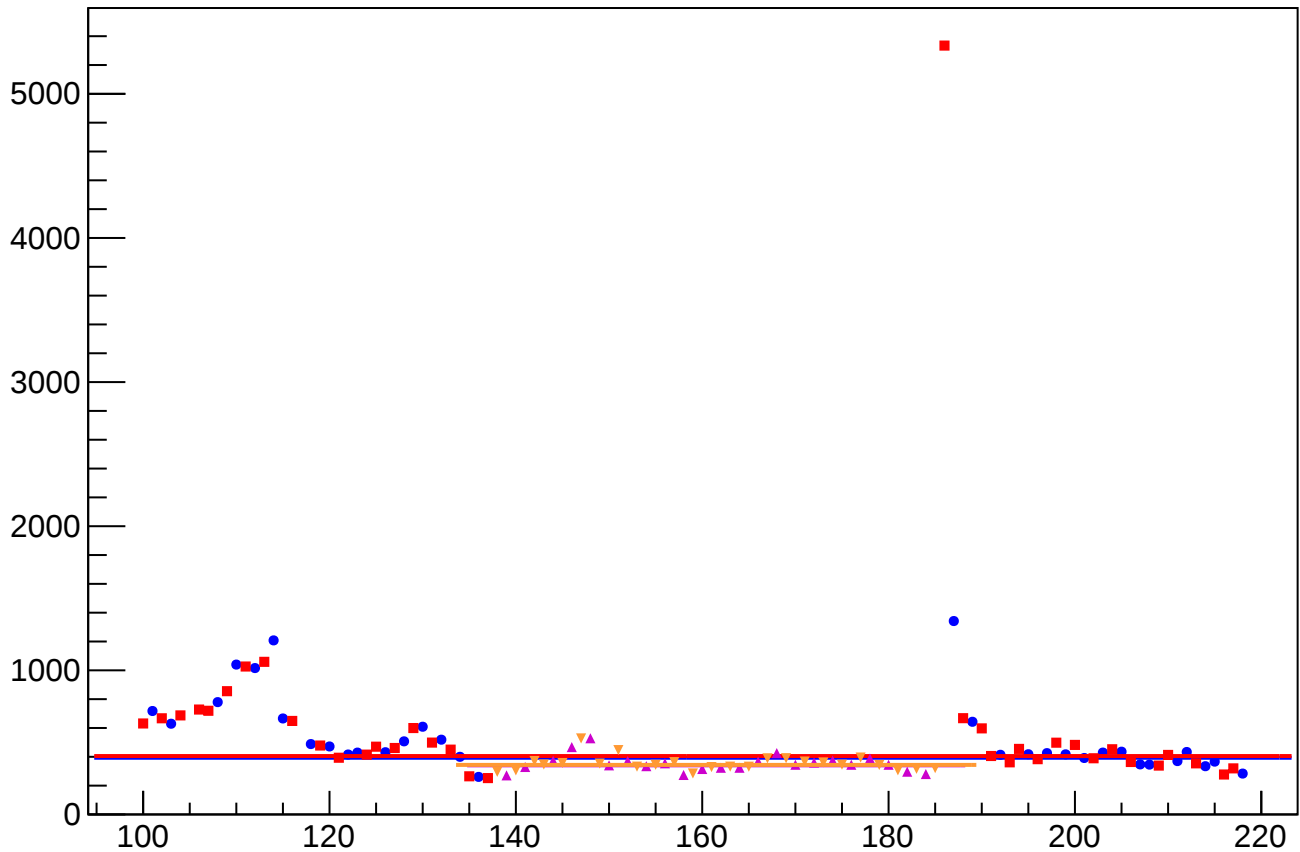
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -25.172 ± 61.960 χ^2/NDF : 58.9/57

All: -24.414 ± 44.346 χ^2/NDF : 135.1/116

- sign -23.618 ± 63.498 χ^2/NDF : 76.2/58

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: 405.226+/-0.070 χ^2/NDF : 3790714.4/35

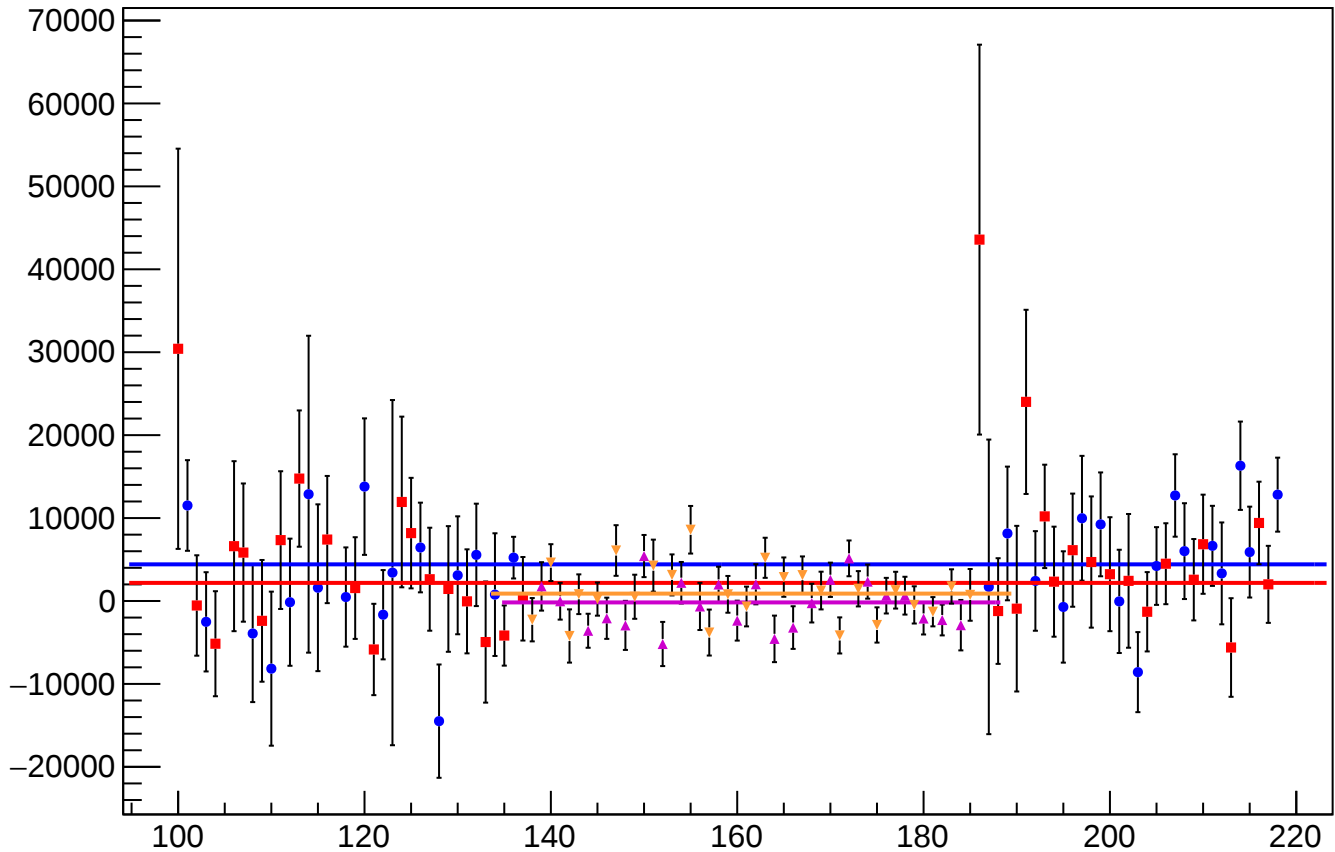
Left In: 340.876+/-0.058 χ^2/NDF : 724672.0/22

+ sign 364.284+/-0.044 χ^2/NDF : 3622606.3/57

All: 365.698+/-0.031 χ^2/NDF : 8636548.0/116

- sign 367.183+/-0.045 χ^2/NDF : 5011806.3/58

asym_sam2_mean vs Slug



Right In: 4418.980 $\pm$ 1020.823 χ^2 /NDF: 39.3/32

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF: 38.0/24

Right Out: 2183.081 $\pm$ 1069.473 χ^2 /NDF: 29.7/35

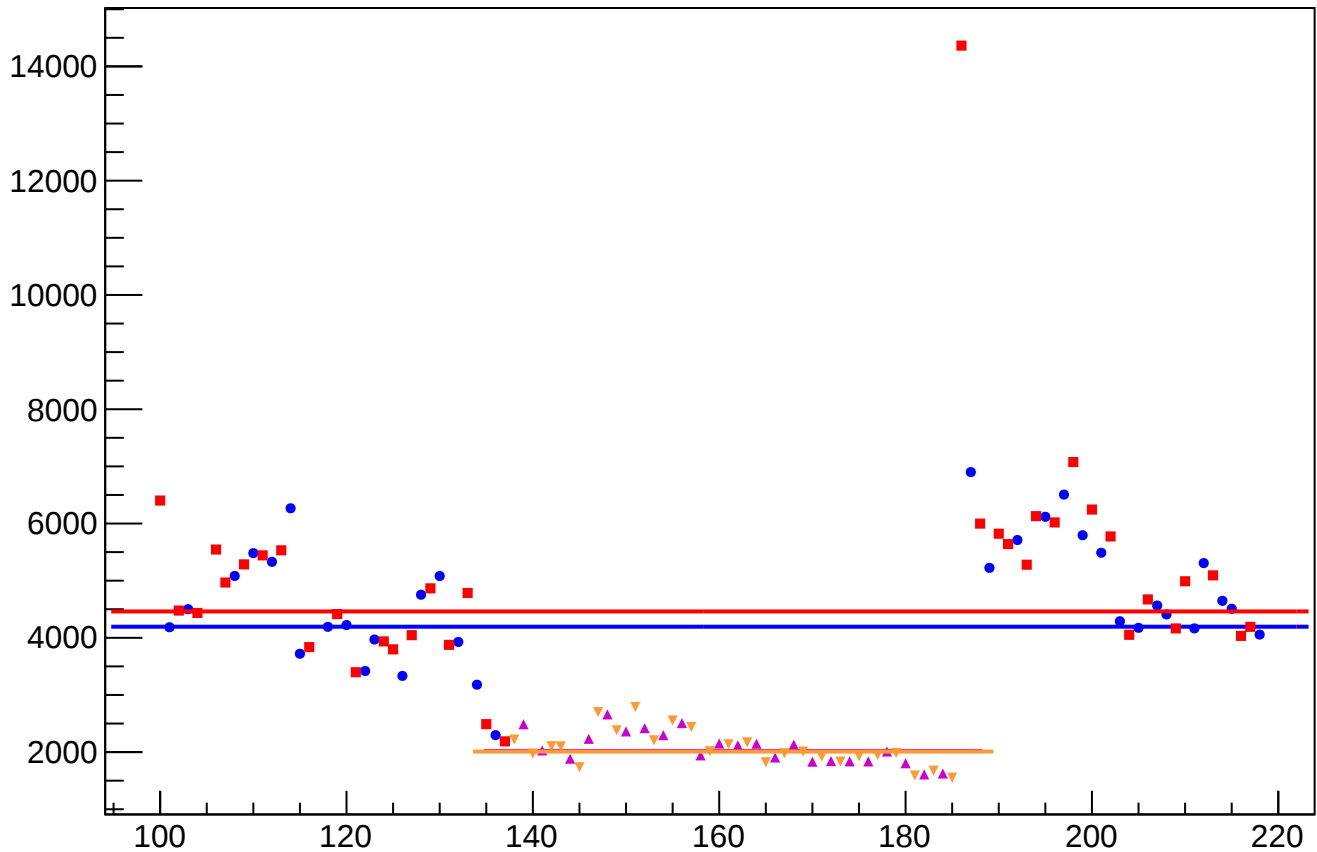
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

+ sign 1514.634 $\pm$ 429.364 χ^2 /NDF: 87.1/57

All: 895.610 $\pm$ 308.656 χ^2 /NDF: 158.3/116

- sign 233.617 $\pm$ 444.016 χ^2 /NDF: 66.9/58

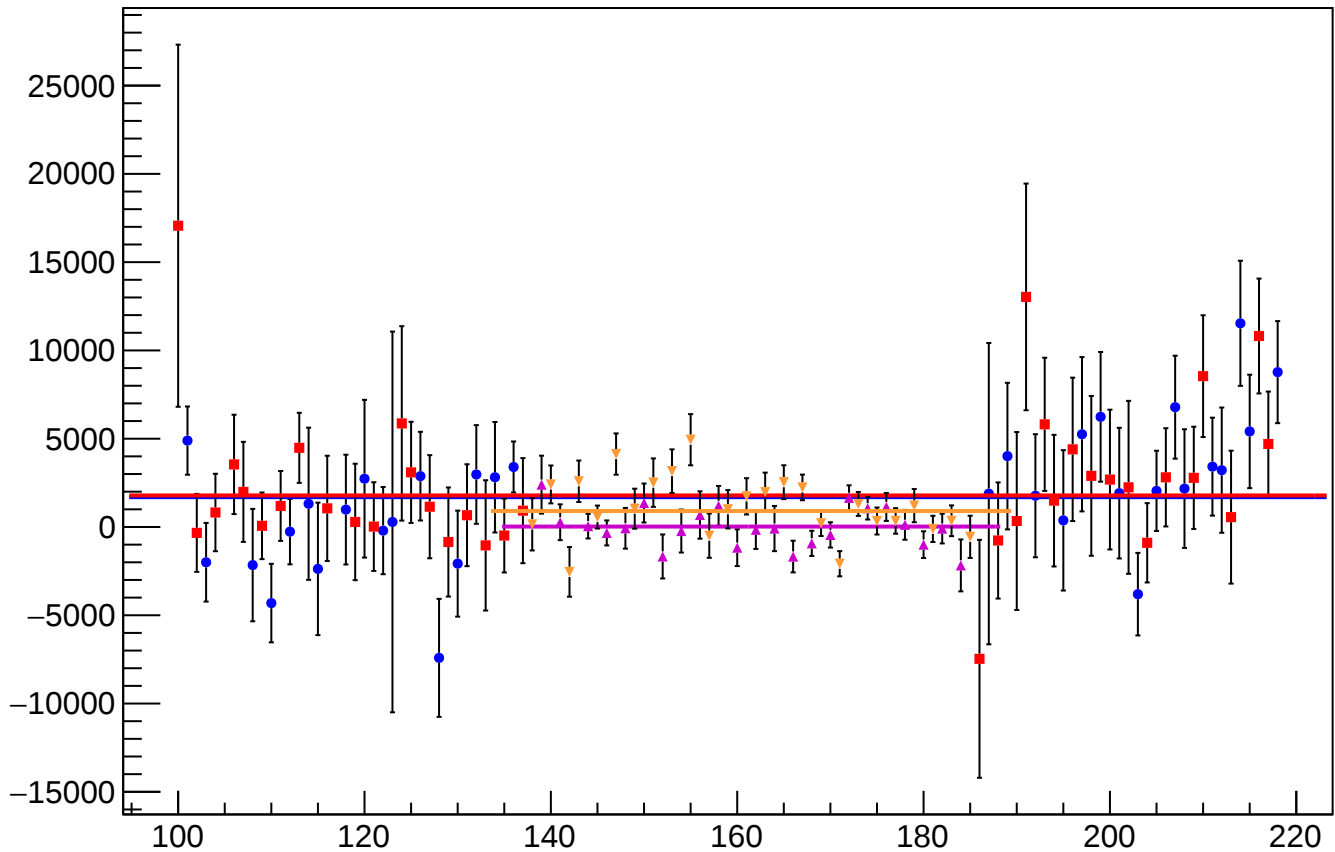
asym_sam2_rms vs Slug



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: 4461.627 $\pm$ 0.756 χ^2 /NDF: 2563570.1/35
 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: 2417.907 $\pm$ 0.218 χ^2 /NDF: 22362662.0/100
 - sign 2441.161 $\pm$ 0.314 χ^2 /NDF: 11761995.9/58

asym_sam3_mean vs Slug



Right In: 1689.380 ± 494.708 $\chi^2/\text{NDF}: 55.1/32$

Left Out: 902.091 ± 185.850 $\chi^2/\text{NDF}: 63.5/24$

Right Out: 1787.114 ± 494.922 $\chi^2/\text{NDF}: 32.4/35$

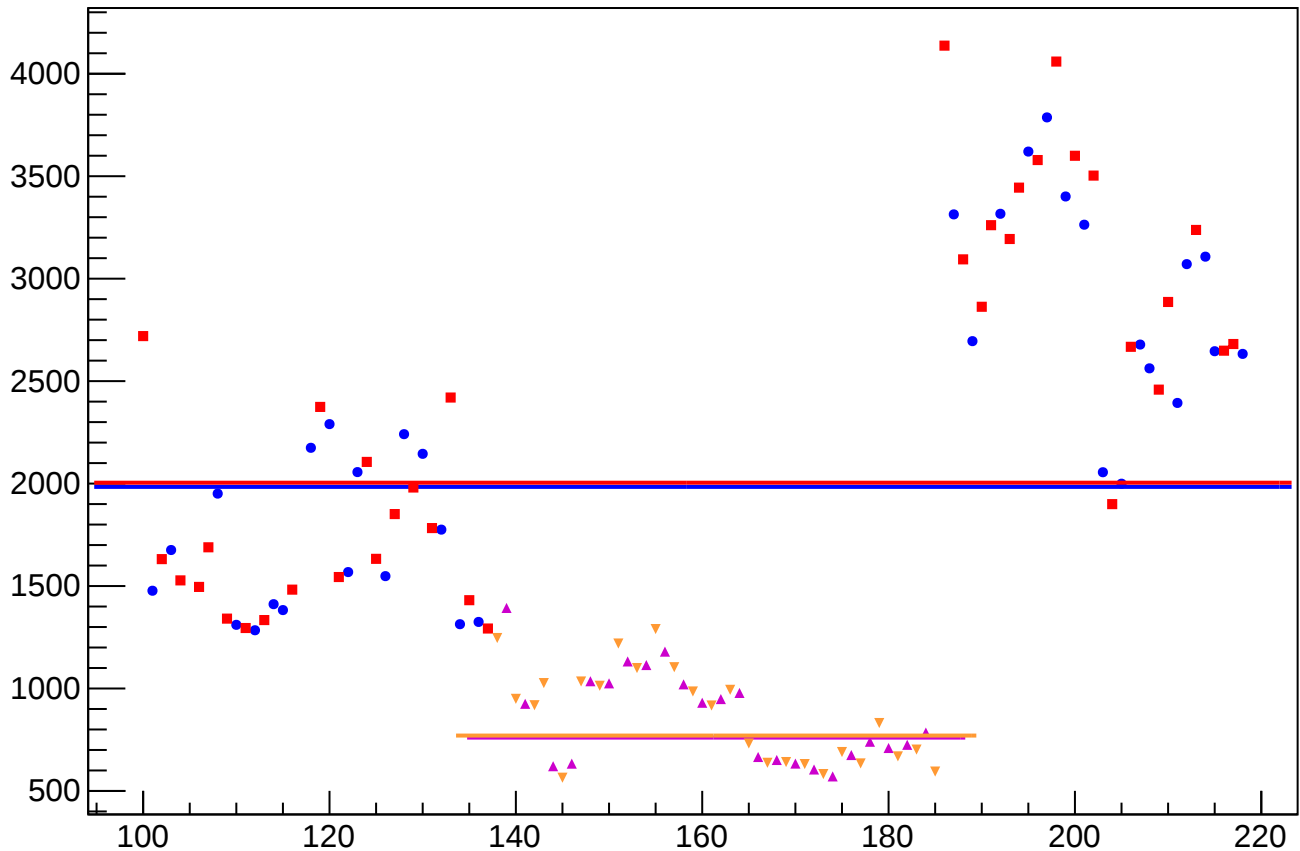
Left In: 23.529 ± 188.137 $\chi^2/\text{NDF}: 28.2/22$

+ sign 999.462 ± 173.978 $\chi^2/\text{NDF}: 120.8/57$

All: 626.879 ± 123.681 $\chi^2/\text{NDF}: 201.8/116$

- sign 246.195 ± 175.859 $\chi^2/\text{NDF}: 71.7/58$

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

Right Out: 2004.330 $\pm$ 0.350 χ^2 /NDF: 4450828.0/35

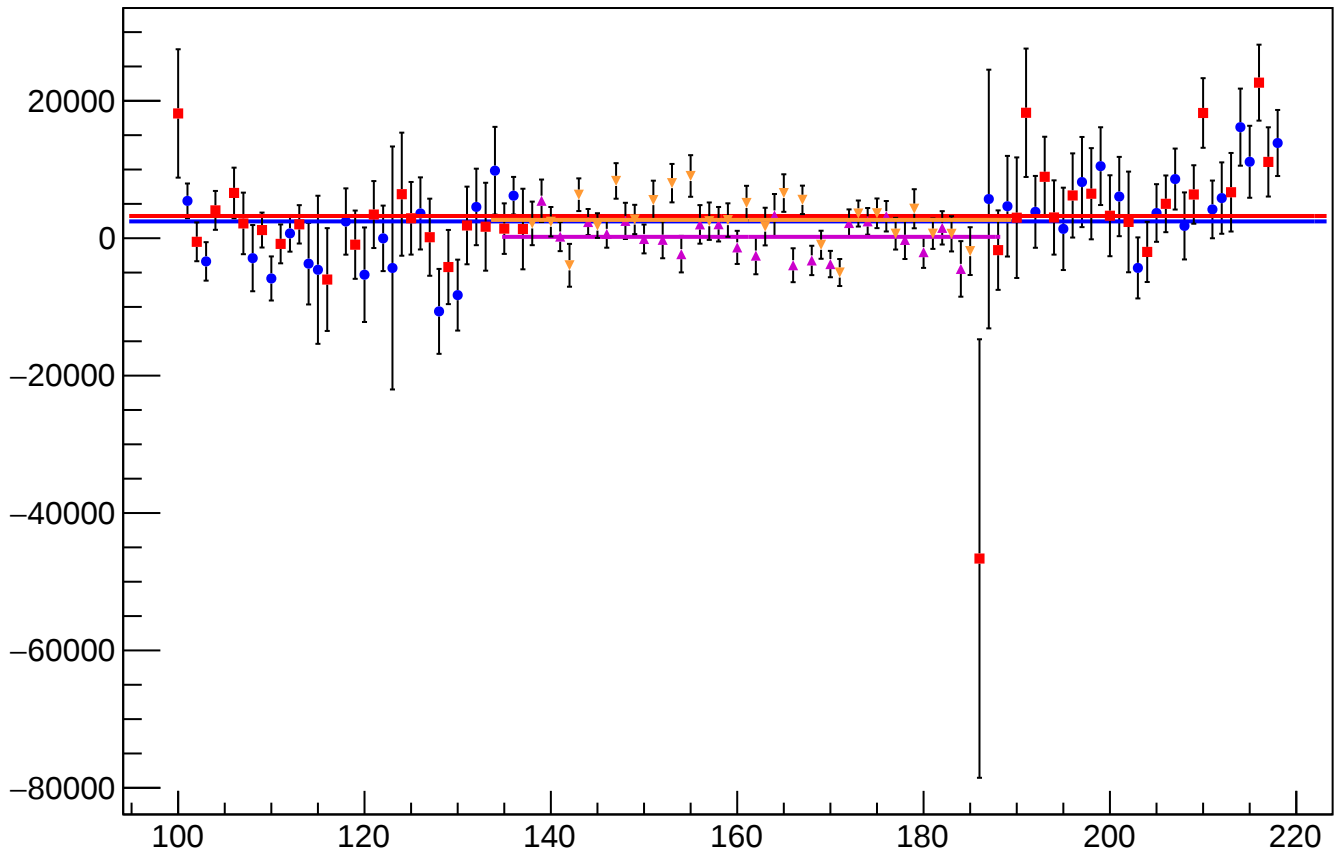
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 920.411 $\pm$ 0.123 χ^2 /NDF: 16645235.9/57

All: 918.928 $\pm$ 0.087 χ^2 /NDF: 34123009.1/11

- sign 917.413 $\pm$ 0.124 χ^2 /NDF: 17477479.6/58

asym_sam4_mean vs Slug



Right In: 2448.802 $\pm$ 795.639 χ^2 /NDF: 52.2/32

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 3236.226 $\pm$ 769.195 χ^2 /NDF: 46.5/35

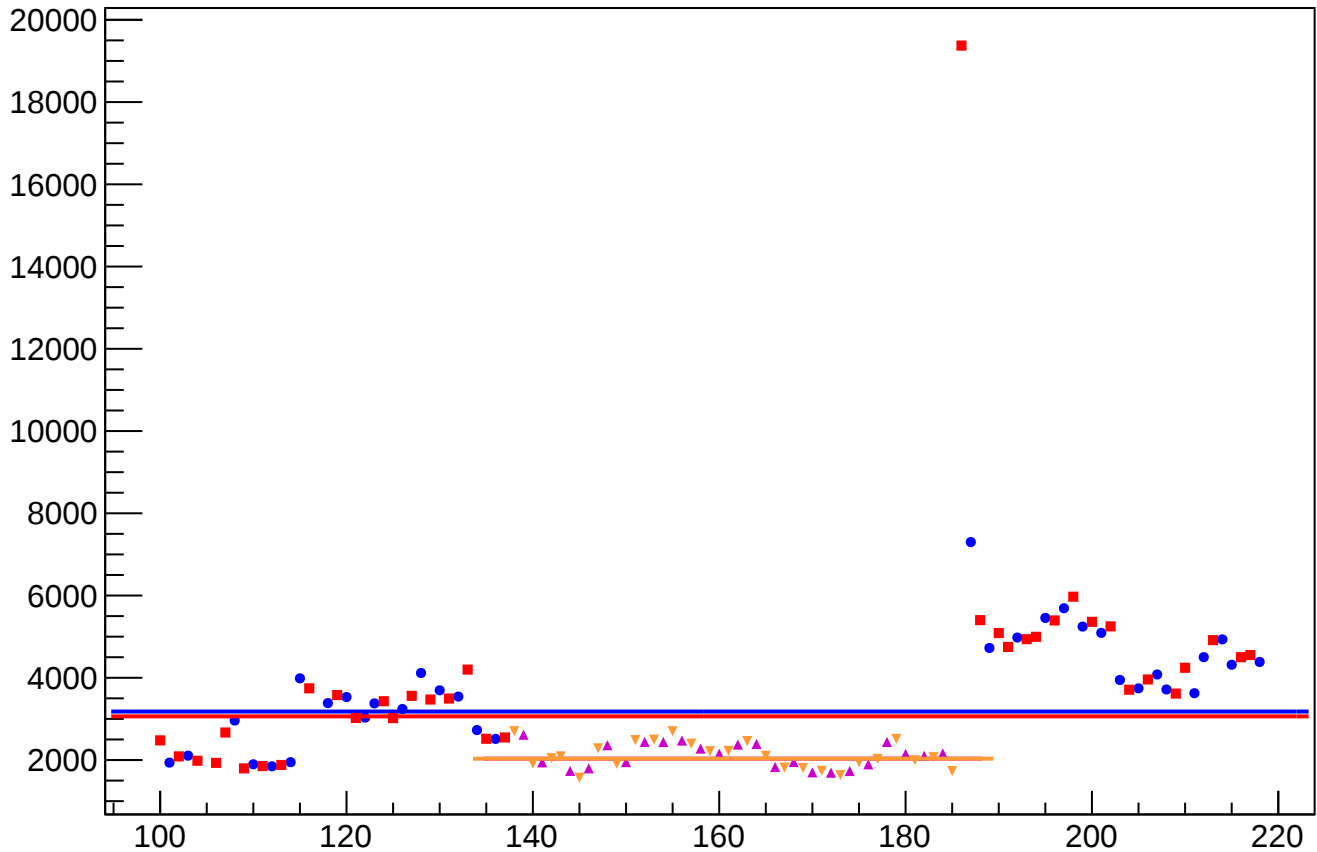
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2607.781 $\pm$ 410.857 χ^2 /NDF: 101.5/57

All: 1851.309 $\pm$ 291.805 χ^2 /NDF: 191.6/116

- sign 1081.300 $\pm$ 414.516 χ^2 /NDF: 83.3/58

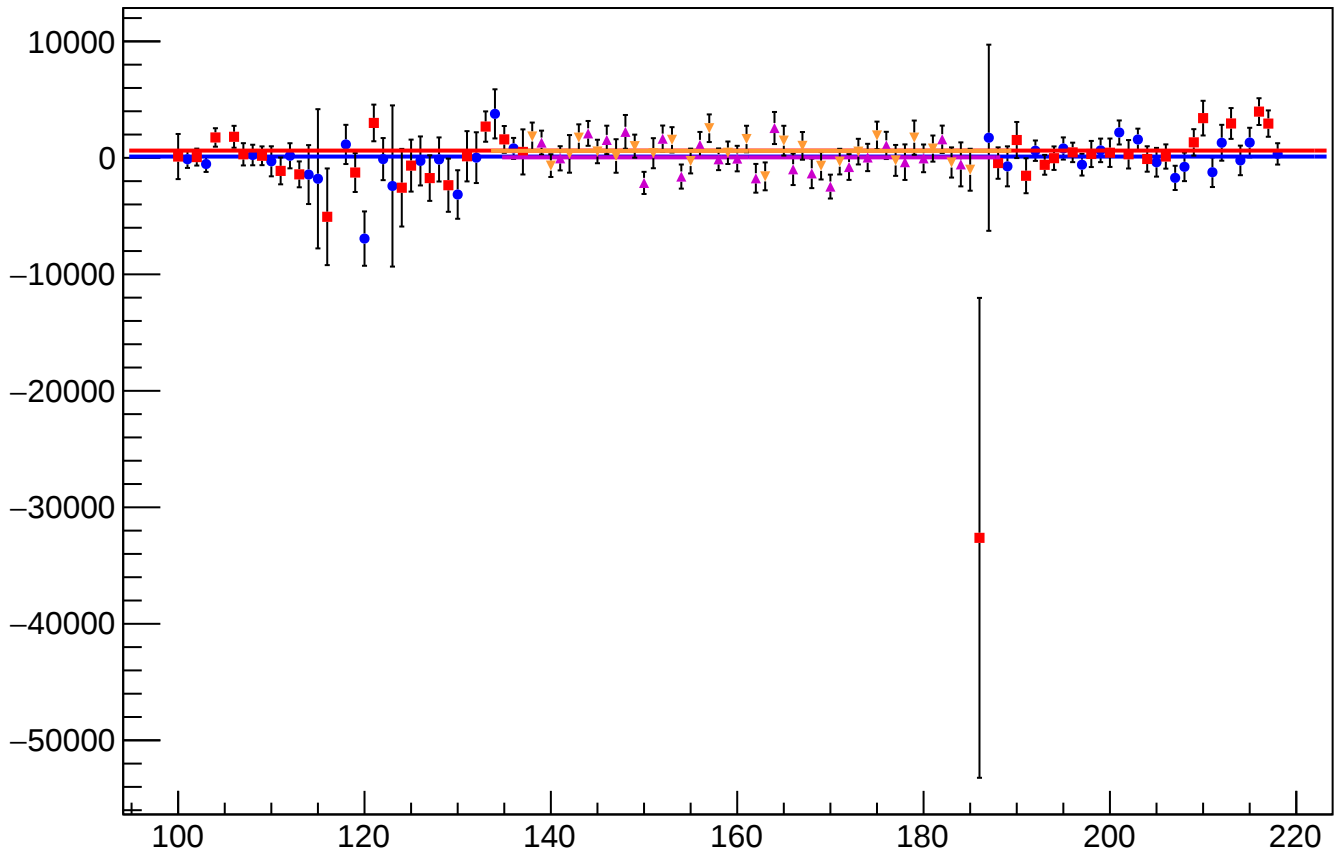
asym_sam4_rms vs Slug



Right In: 3179.117 $\pm$ 0.563 χ^2 /NDF: 4171605.4/32
 Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24
 Right Out: 3061.391 $\pm$ 0.544 χ^2 /NDF: 5606768.3/35
 Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2338.864 $\pm$ 0.291 χ^2 /NDF: 8037319.1/57
 All: 2335.170 $\pm$ 0.206 χ^2 /NDF: 16835655.0/100
 - sign 2331.409 $\pm$ 0.293 χ^2 /NDF: 8798009.6/58

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: 624.352 $\pm$ 200.318 χ^2 /NDF: 52.1/35

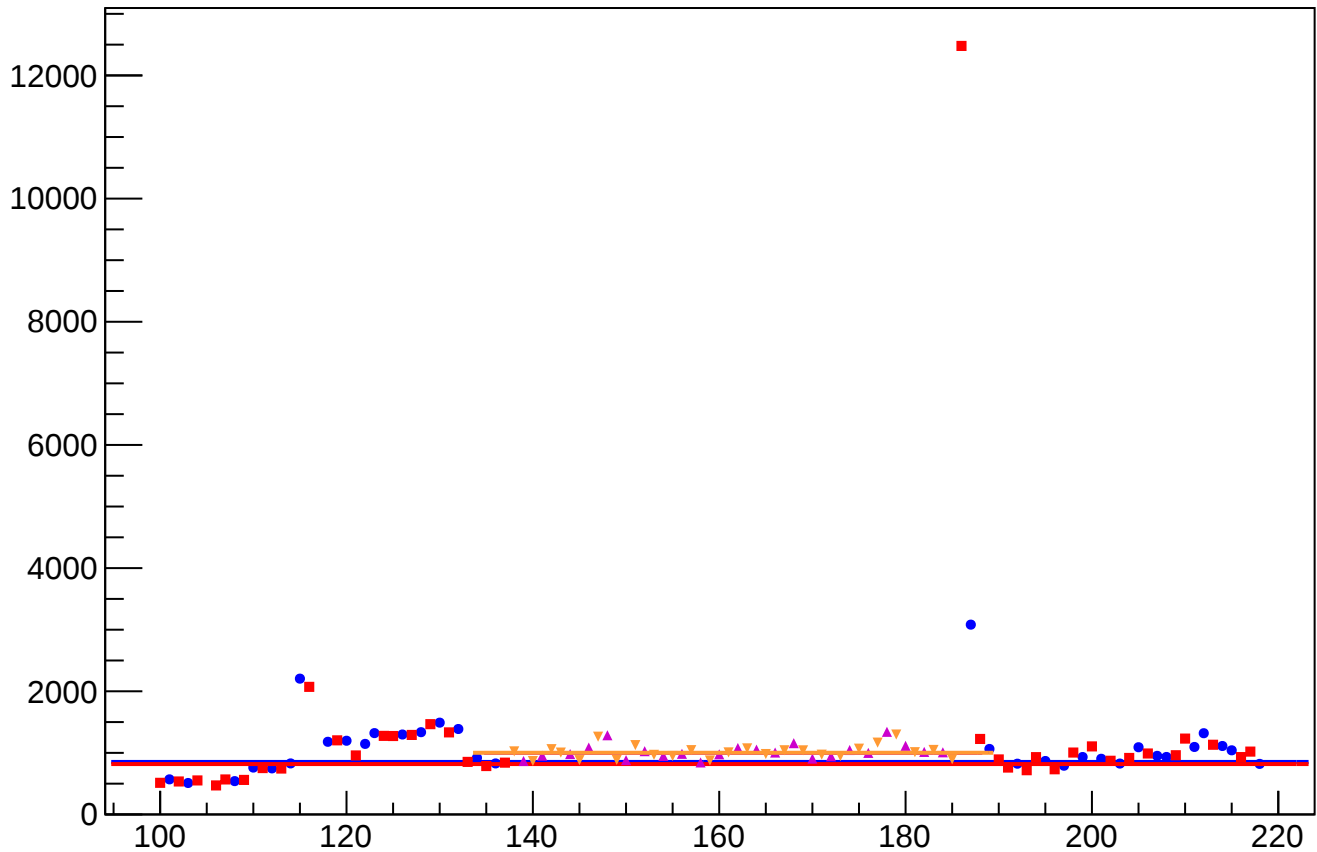
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF: 36.4/22

+ sign 327.016 $\pm$ 156.220 χ^2 /NDF: 53.2/57

All: 356.931 $\pm$ 109.671 χ^2 /NDF: 145.2/116

- sign 386.002 $\pm$ 154.000 χ^2 /NDF: 91.9/58

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: 818.248 $\pm$ 0.142 χ^2 /NDF: 3553212.9/35

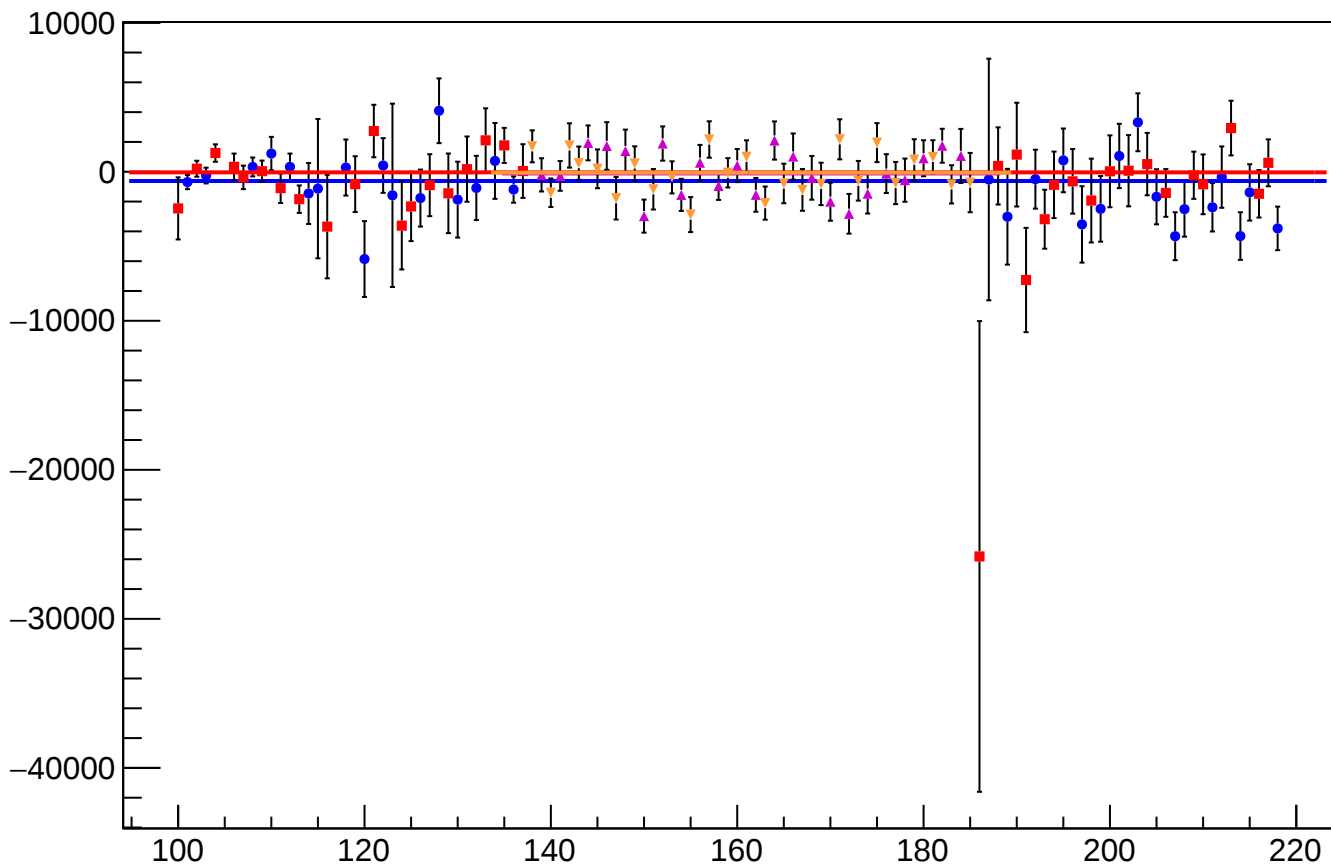
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 918.480 $\pm$ 0.110 χ^2 /NDF: 3408199.7/57

All: 904.940 $\pm$ 0.078 χ^2 /NDF: 8054688.4/116

- sign 891.783 $\pm$ 0.109 χ^2 /NDF: 4616866.7/58

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: -40.805+/-221.854 χ^2/NDF : 36.7/35

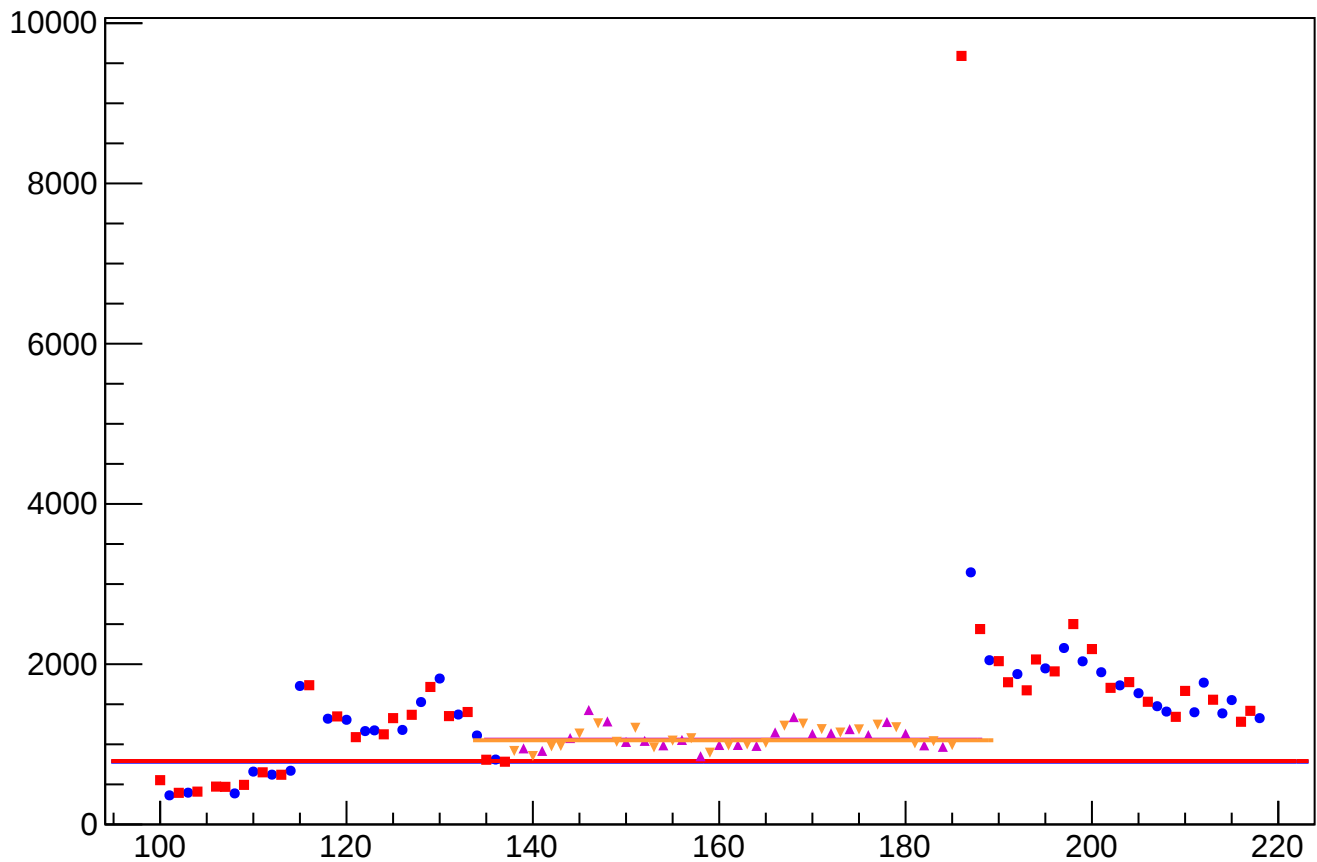
Left In: -112.398+/-255.409 χ^2/NDF : 34.9/22

+ sign -368.089+/-165.469 χ^2/NDF : 77.3/57

All: -221.641+/-117.713 χ^2/NDF : 150.4/116

- sign -71.593+/-167.491 χ^2/NDF : 71.6/58

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: 791.812+/-0.157 χ^2/NDF : 11702285.4/35

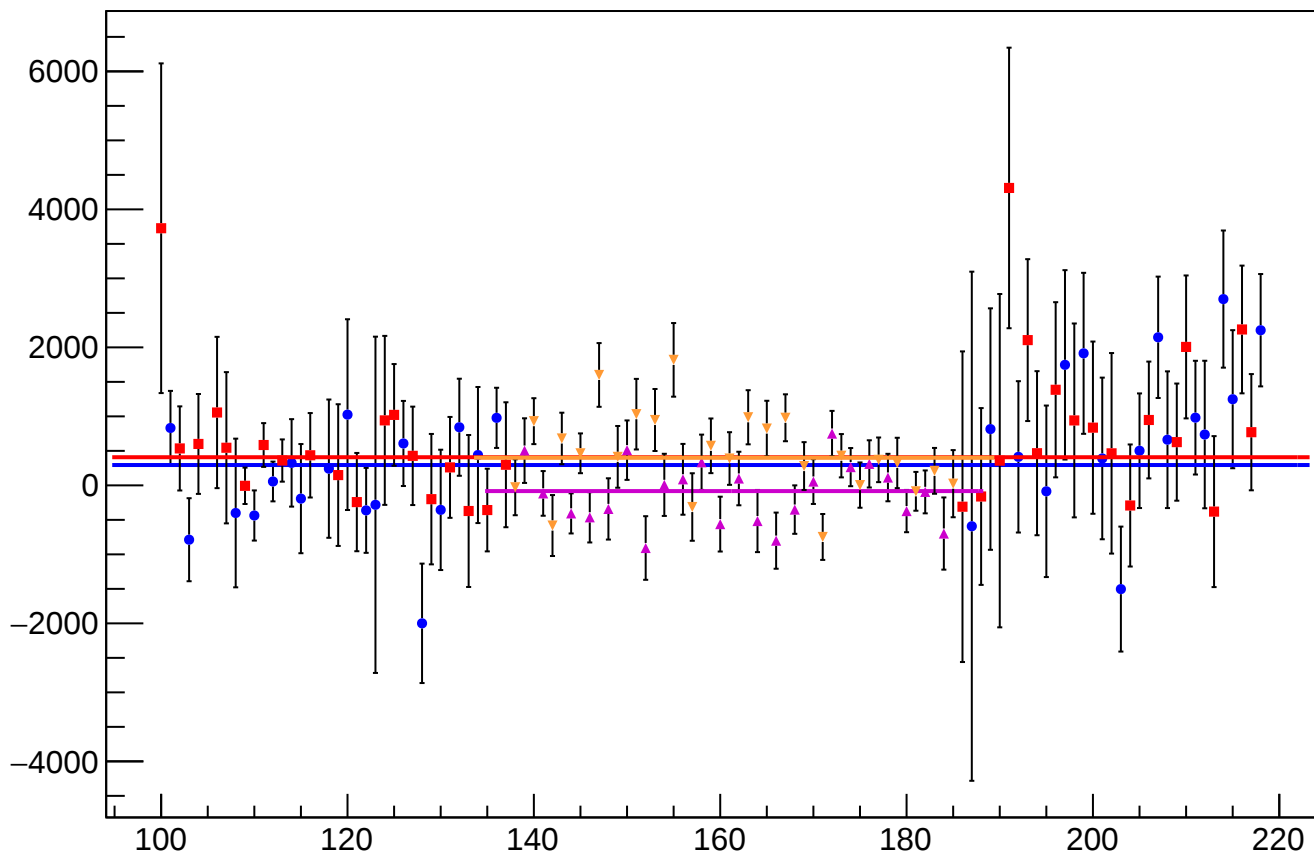
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 903.802+/-0.117 χ^2/NDF : 13184756.9/57

All: 905.048+/-0.083 χ^2/NDF : 26654916.2/117

- sign 906.325+/-0.118 χ^2/NDF : 13469929.6/58

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: 407.893 ± 117.328 χ^2/NDF : 24.7/35

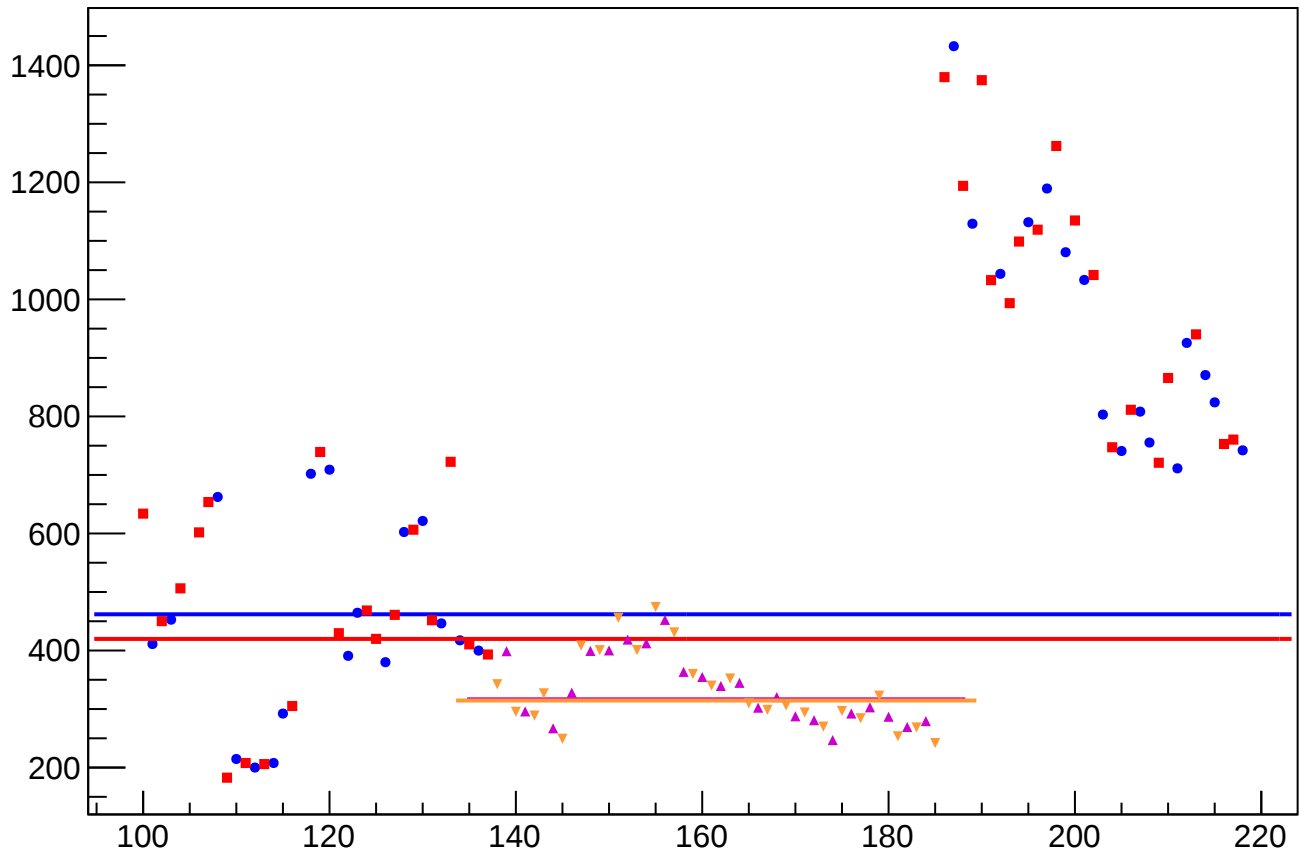
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 373.325 ± 64.099 χ^2/NDF : 100.0/57

All: 219.490 ± 45.402 χ^2/NDF : 177.5/116

- sign 64.600 ± 64.319 χ^2/NDF : 65.9/58

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: 419.826+/-0.083 χ^2/NDF : 11624711.1/35

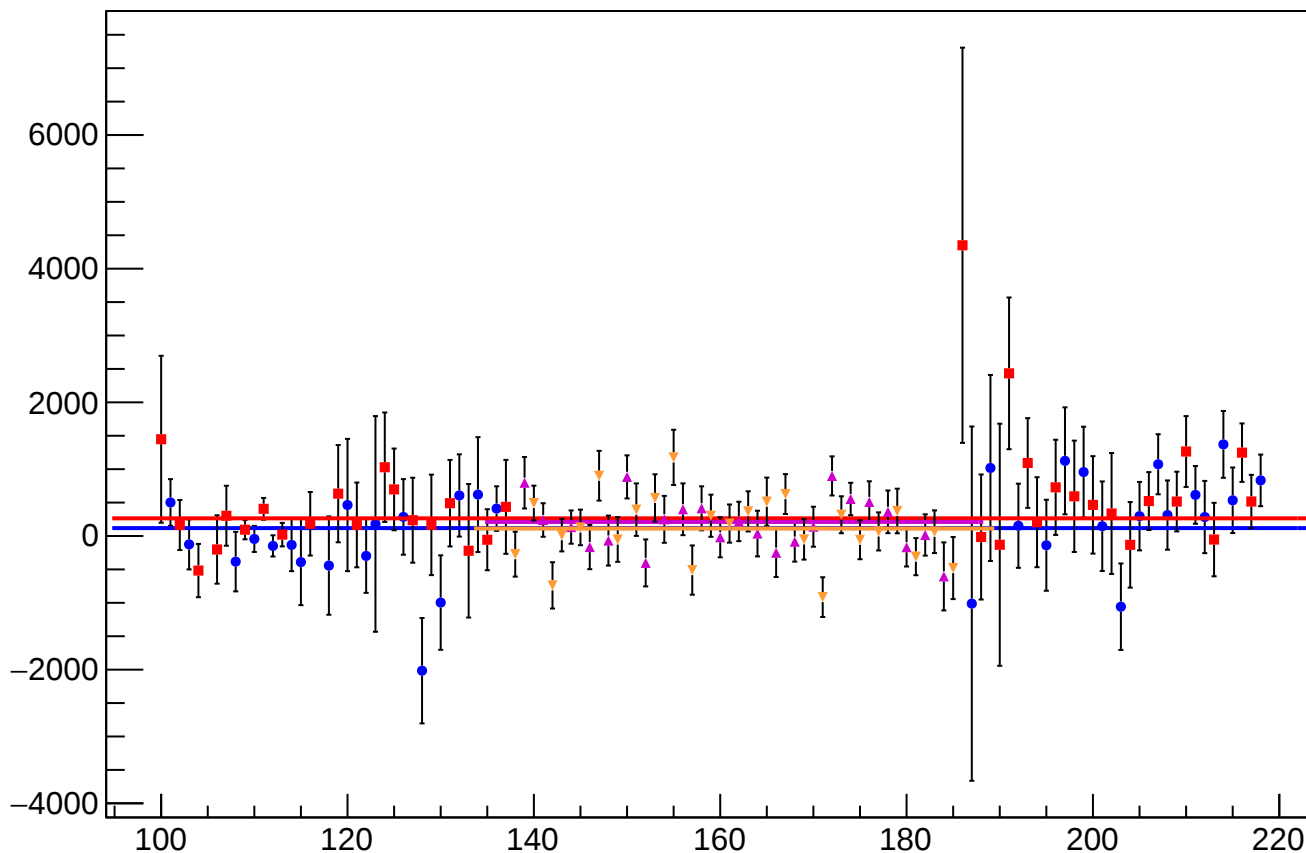
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 352.950+/-0.045 χ^2/NDF : 12201387.2/57

All: 350.311+/-0.032 χ^2/NDF : 25835672.2/11

- sign 347.654+/-0.045 χ^2/NDF : 13627483.1/58

asym_sam8_mean vs Slug



Right In: 118.121 $\pm$ 76.381 χ^2 /NDF: 44.1/32

Left Out: 112.242 $\pm$ 62.643 χ^2 /NDF: 49.1/24

Right Out: 264.175 $\pm$ 68.480 χ^2 /NDF: 30.6/35

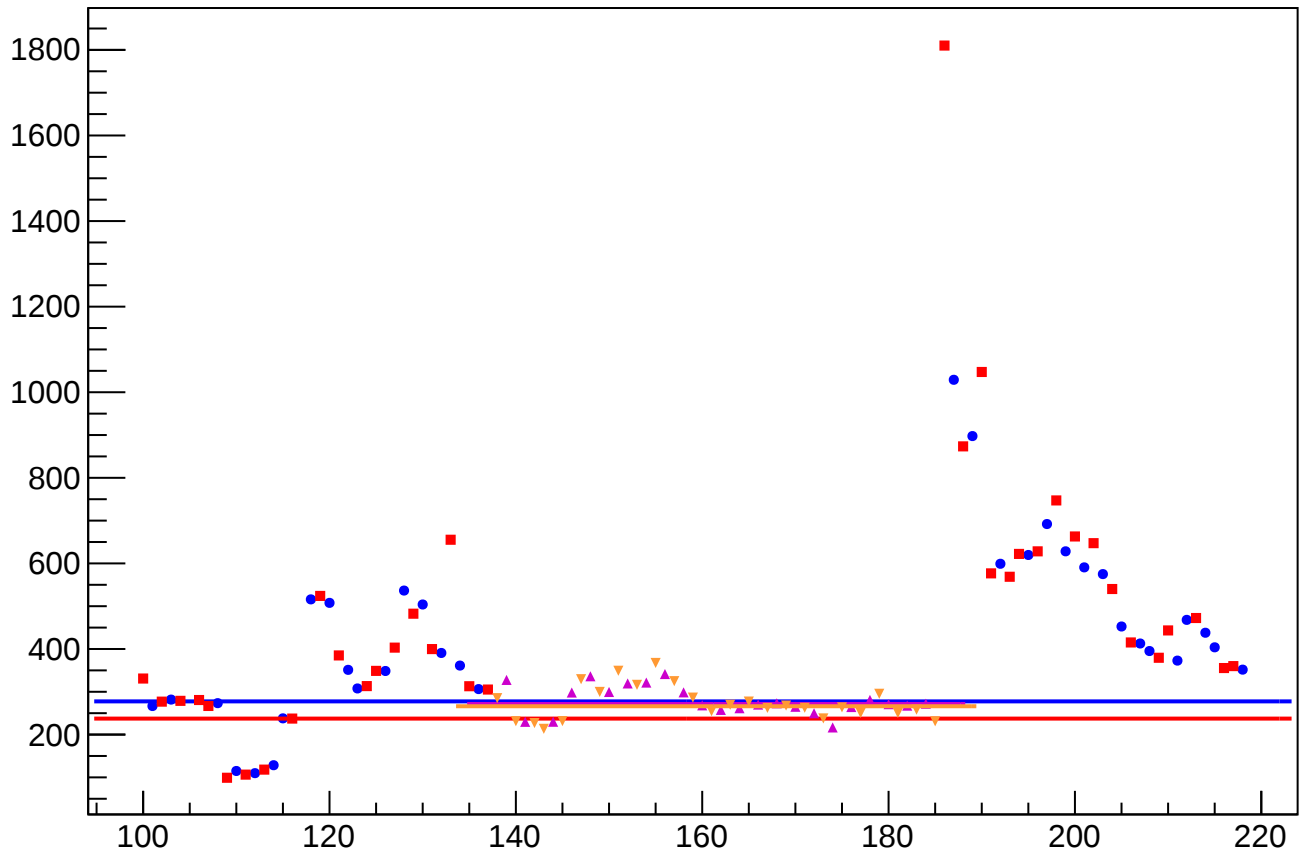
Left In: 210.453 $\pm$ 65.510 χ^2 /NDF: 29.2/22

+ sign 114.606 $\pm$ 48.437 χ^2 /NDF: 93.3/57

All: 176.759 $\pm$ 33.855 χ^2 /NDF: 156.6/116

- sign 236.124 $\pm$ 47.338 χ^2 /NDF: 60.1/58

asym_sam8_rms vs Slug



Right In: 277.574+/-0.054 χ^2/NDF : 9625210.1/32

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 237.340+/-0.048 χ^2/NDF : 13187979.5/35

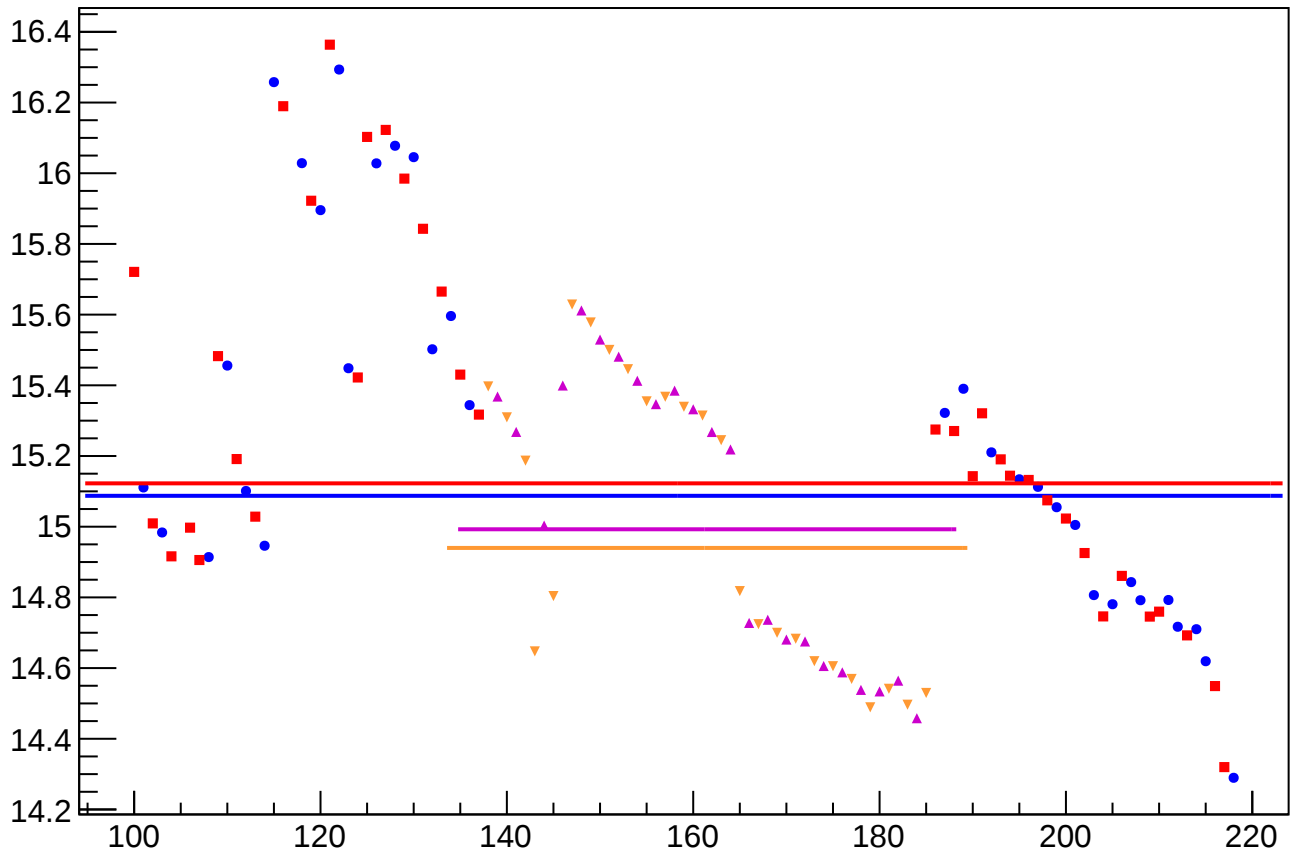
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 270.778+/-0.034 χ^2/NDF : 10301320.4/57

All: 262.776+/-0.024 χ^2/NDF : 24376481.9/132

- sign 255.132+/-0.033 χ^2/NDF : 13968426.8/58

yield_sam1_mean vs Slug



Right In: 15.087 $\pm$ 0.000 χ^2 /NDF: 25653445118.3/32

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.123 $\pm$ 0.000 χ^2 /NDF: 24026771622.9/35

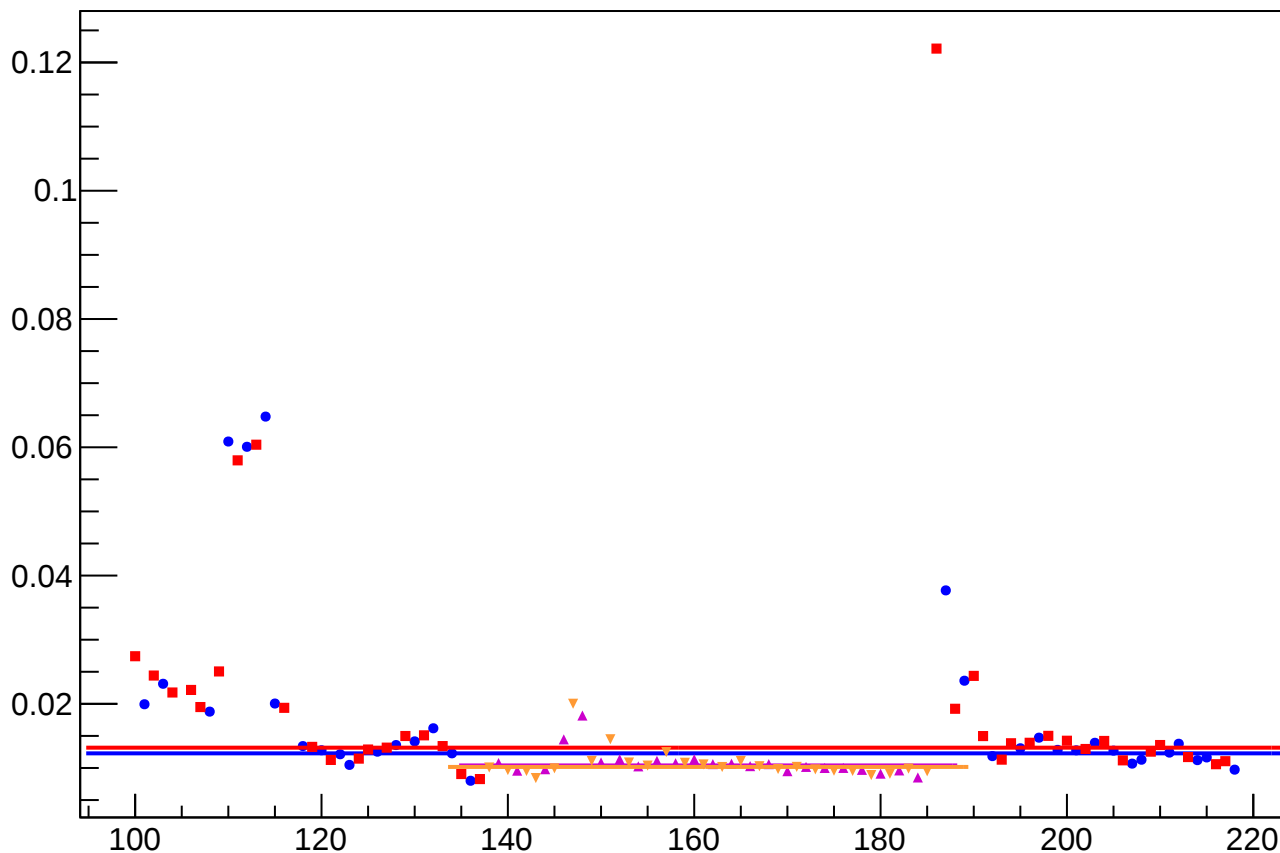
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 14.997 $\pm$ 0.000 χ^2 /NDF: 51260796048.1/57

All: 15.018 $\pm$ 0.000 χ^2 /NDF: 98544789534.3

- sign 15.042 $\pm$ 0.000 χ^2 /NDF: 47023294621.4/58

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: 3283807.3/35

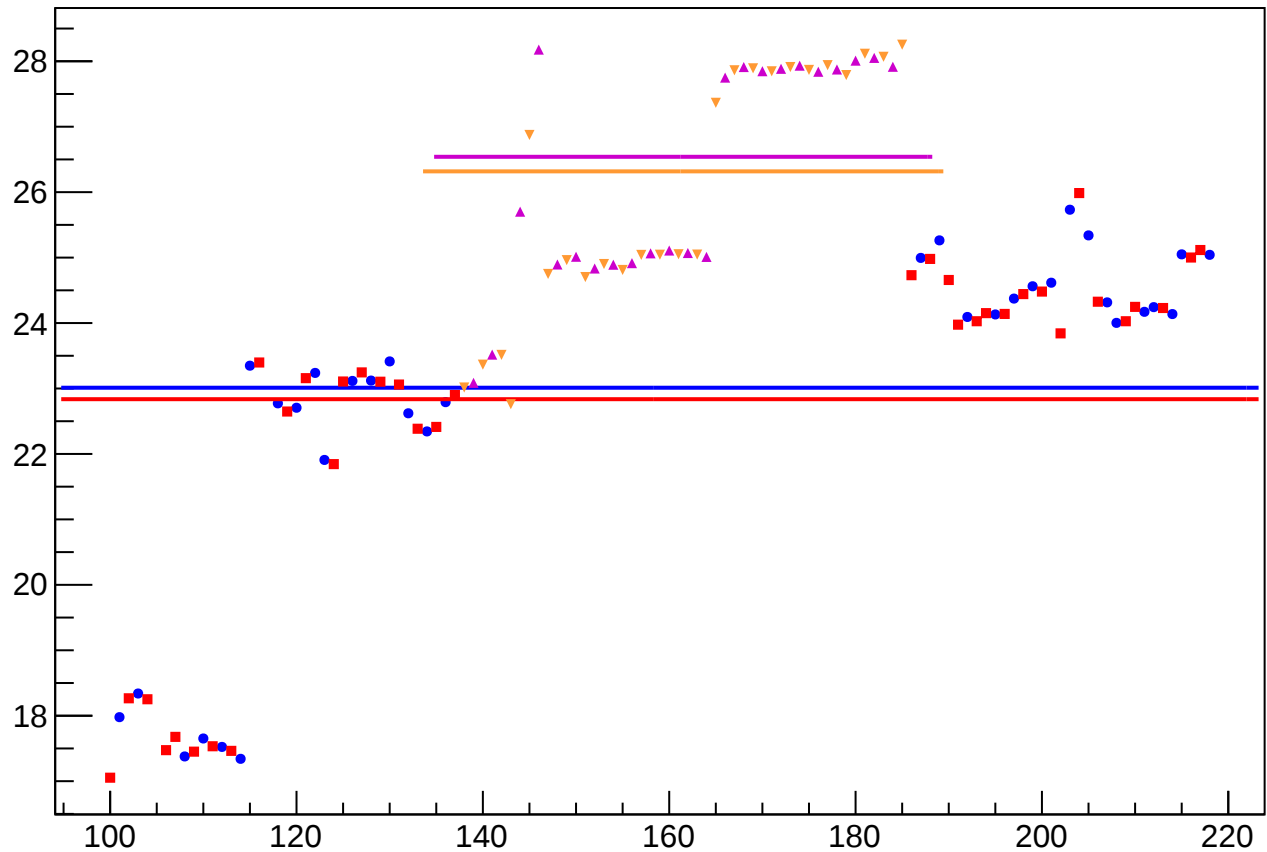
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4023438.4/57

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8791203.9/116

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4712234.1/58

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: 22.837 $\pm$ 0.000 χ^2 /NDF: 1720801111.1/35

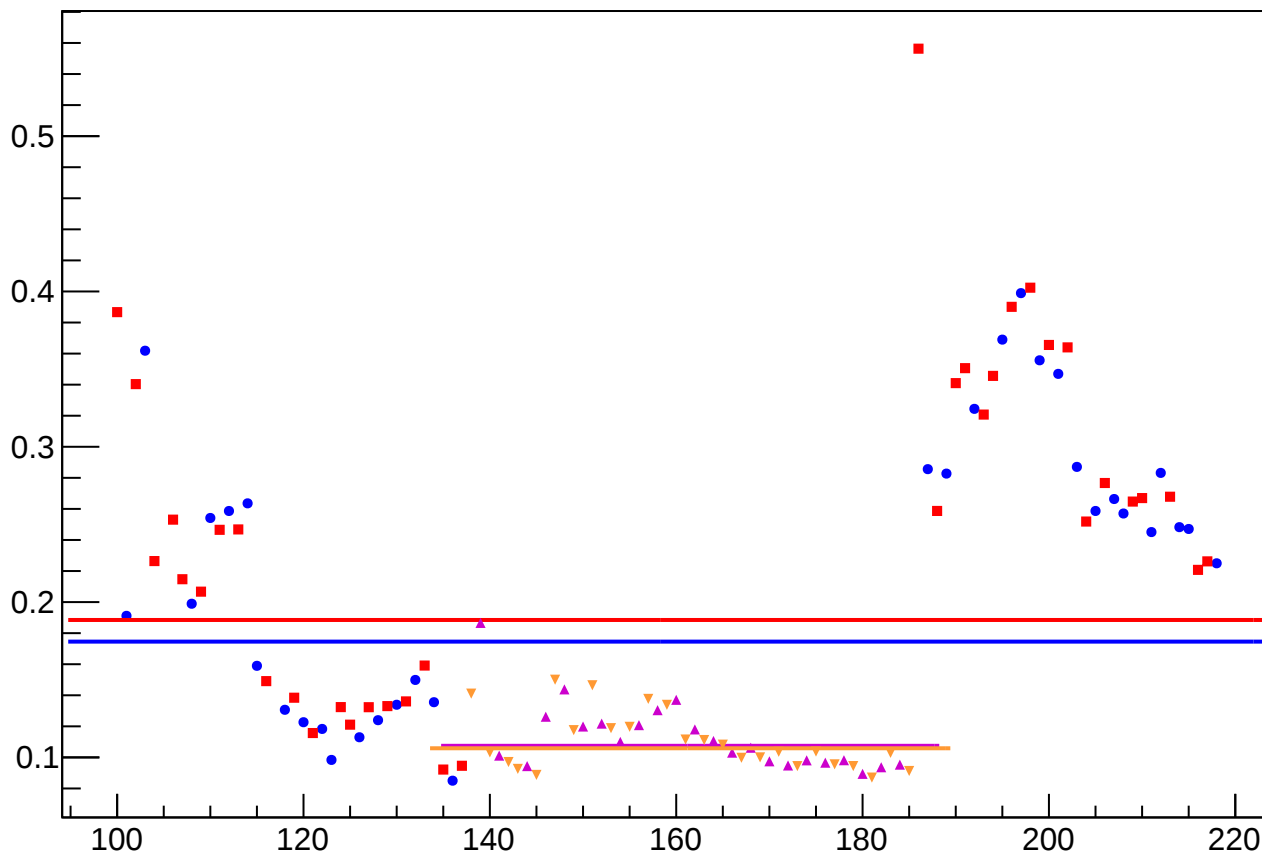
Left In: 26.540 $\pm$ 0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.518 $\pm$ 0.000 χ^2 /NDF: 9942903062.1/57

All: 25.583 $\pm$ 0.000 χ^2 /NDF: 19239618914.9

- sign 25.655 $\pm$ 0.000 χ^2 /NDF: 9280187567.9/58

yield_sam2_rms vs Slug



Right In: 0.175+/-0.000 χ^2/NDF : 6507546.3/32

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.188+/-0.000 χ^2/NDF : 6115545.0/35

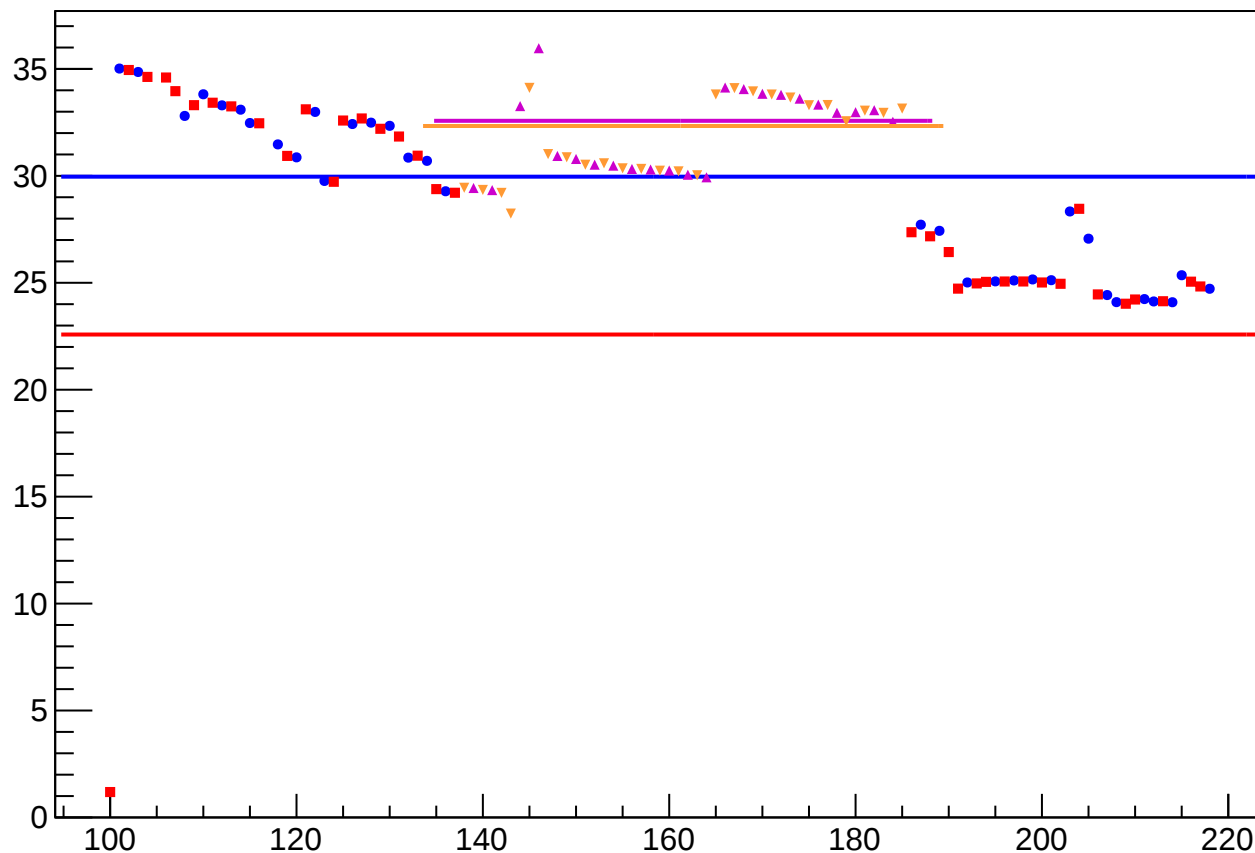
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.122+/-0.000 χ^2/NDF : 10457489.9/57

All: 0.125+/-0.000 χ^2/NDF : 21445326.8/116

- sign 0.127+/-0.000 χ^2/NDF : 10954113.2/58

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: 22.581 $\pm$ 0.000 χ^2 /NDF: 232570150549.2/35

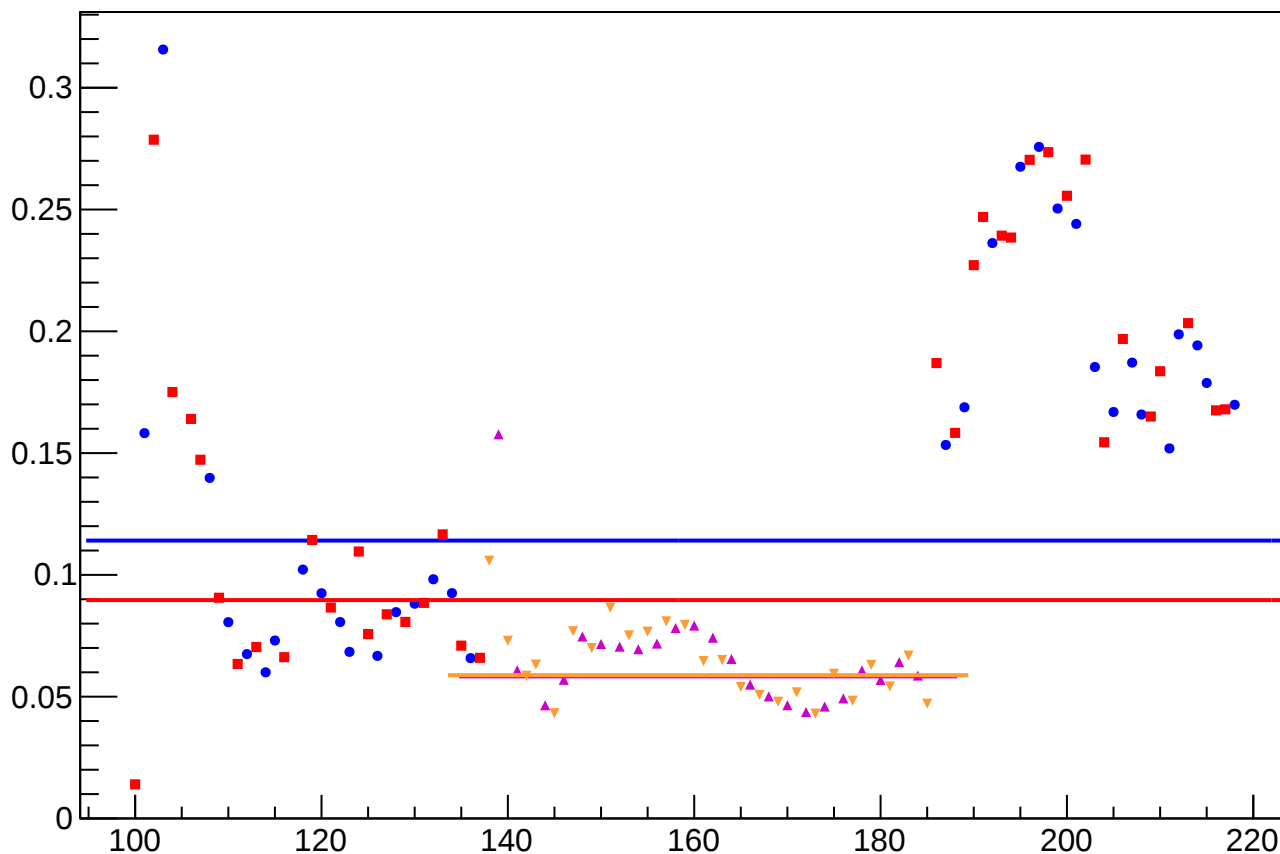
Left In: 32.574 $\pm$ 0.000 χ^2 /NDF:11797772603.7/22

+ sign 31.862 $\pm$ 0.000 χ^2 /NDF: 28764497511.7/57

All: 30.926 $\pm$ 0.000 χ^2 /NDF: 382086823100.

- sign 30.018 $\pm$ 0.000 χ^2 /NDF: 344502863013.1/58

yield_sam3_rms vs Slug



Right In: 0.114 $\pm$ 0.000 χ^2 /NDF: 6846723.7/32

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 12488087.1/35

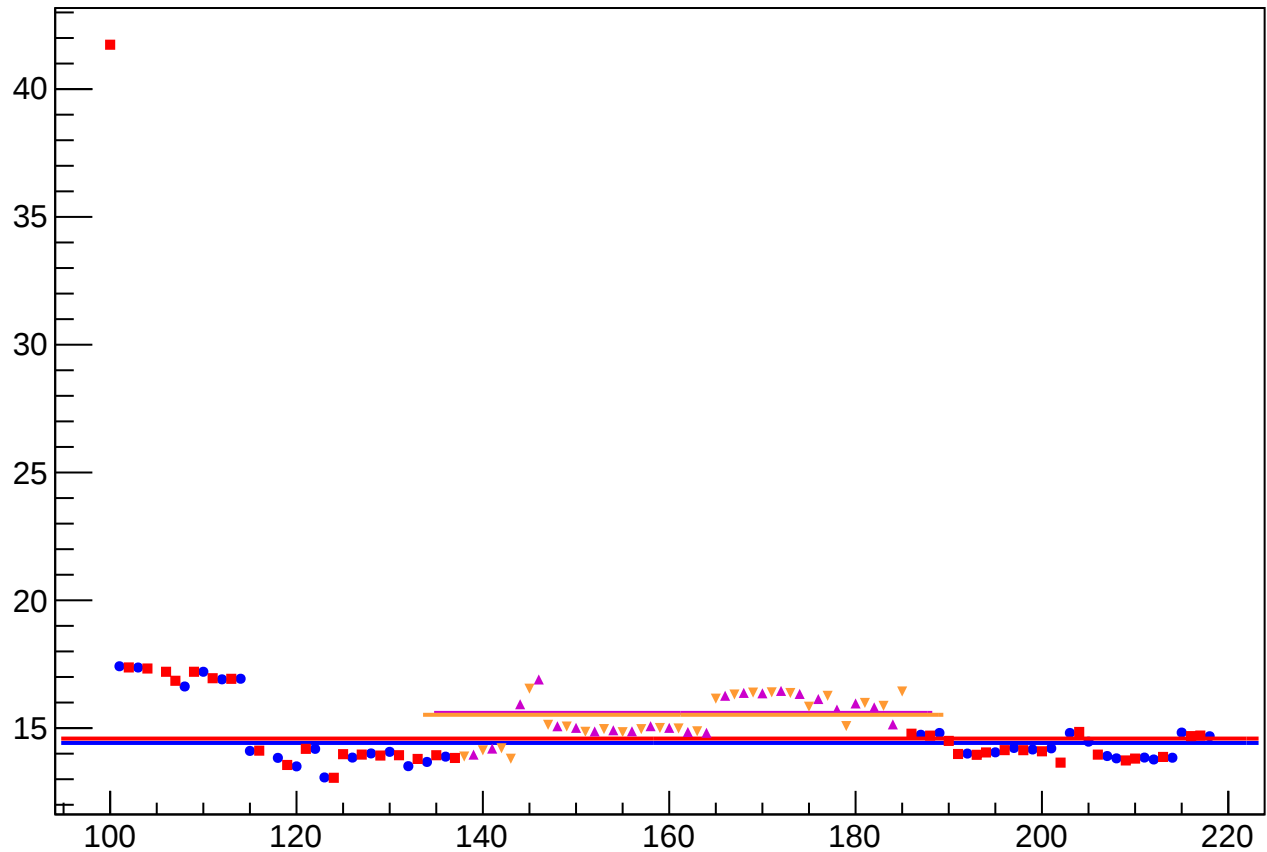
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.070 $\pm$ 0.000 χ^2 /NDF: 13206194.1/57

All: 0.068 $\pm$ 0.000 χ^2 /NDF: 29250379.7/116

- sign 0.066 $\pm$ 0.000 χ^2 /NDF: 15982560.3/58

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: 14.591+/-0.000 χ^2/NDF : 2039265364.3/35

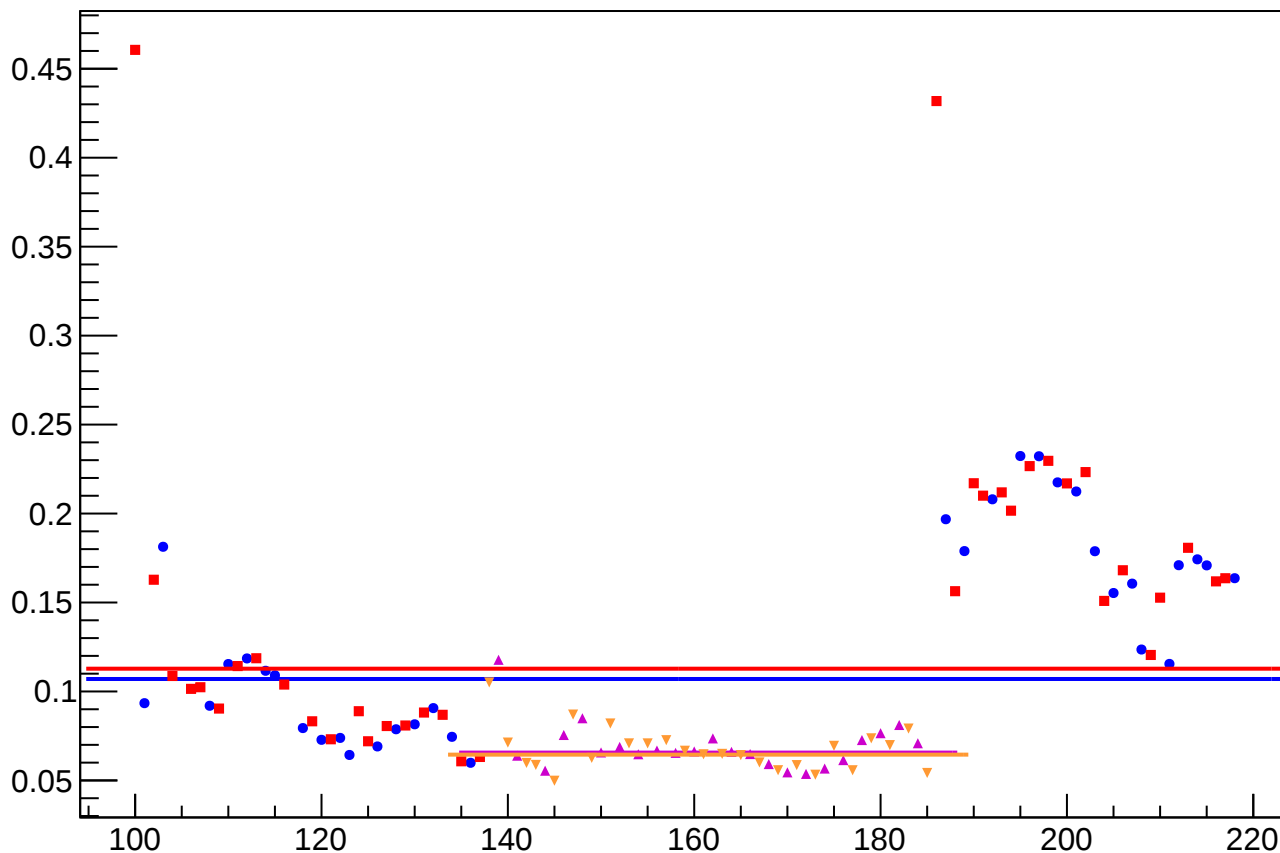
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.247+/-0.000 χ^2/NDF : 5295763130.7/57

All: 15.293+/-0.000 χ^2/NDF : 10139305490.0

- sign 15.342+/-0.000 χ^2/NDF : 4821943854.9/58

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: 0.113 $\pm$ 0.000 χ^2 /NDF: 5620105.9/35

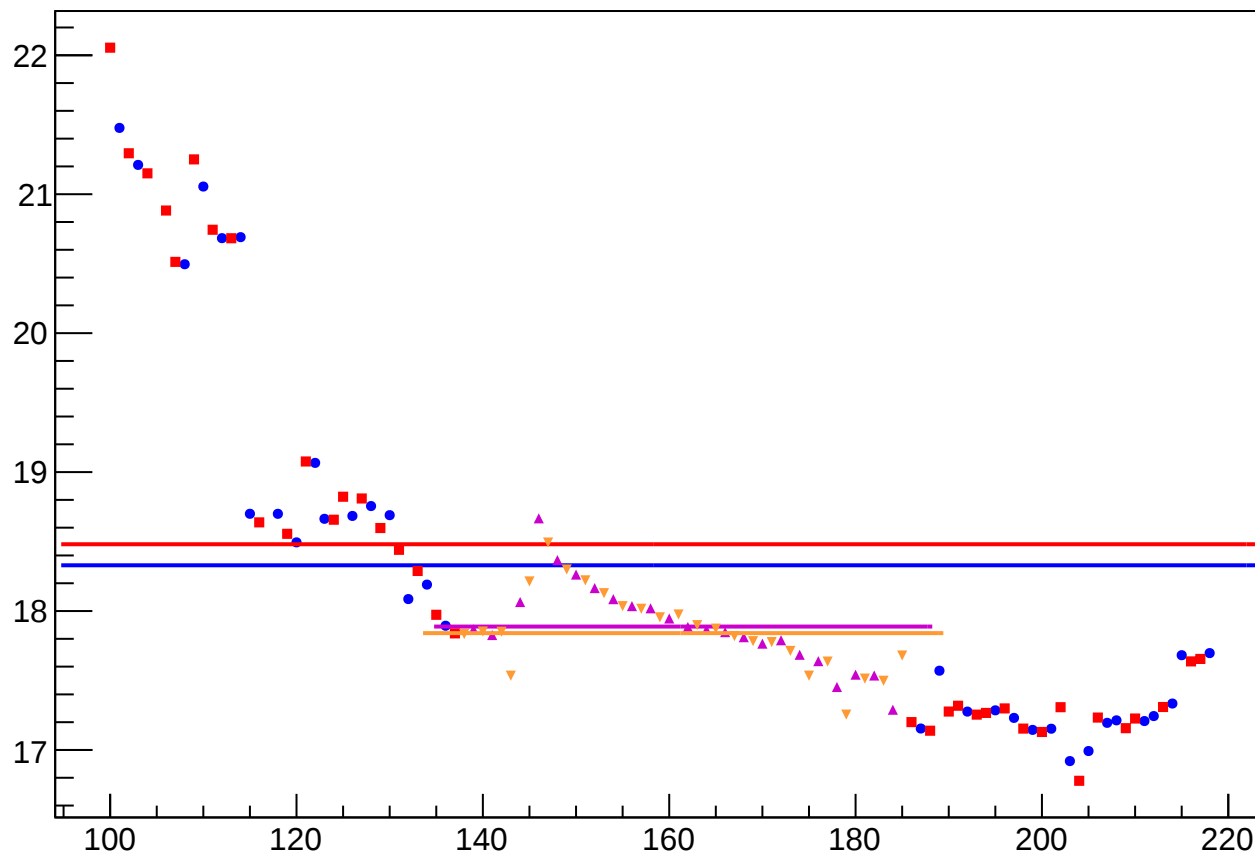
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.075 $\pm$ 0.000 χ^2 /NDF: 9874444.6/57

All: 0.076 $\pm$ 0.000 χ^2 /NDF: 20090349.5/116

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 10186815.5/58

yield_sam5_mean vs Slug



Right In: 18.329 $\pm$ 0.000 χ^2 /NDF: 32682585637.8/32

Left Out: 17.841 $\pm$ 0.000 χ^2 /NDF: 1283287989.7/24

Right Out: 18.481 $\pm$ 0.000 χ^2 /NDF: 34707389050.5/35

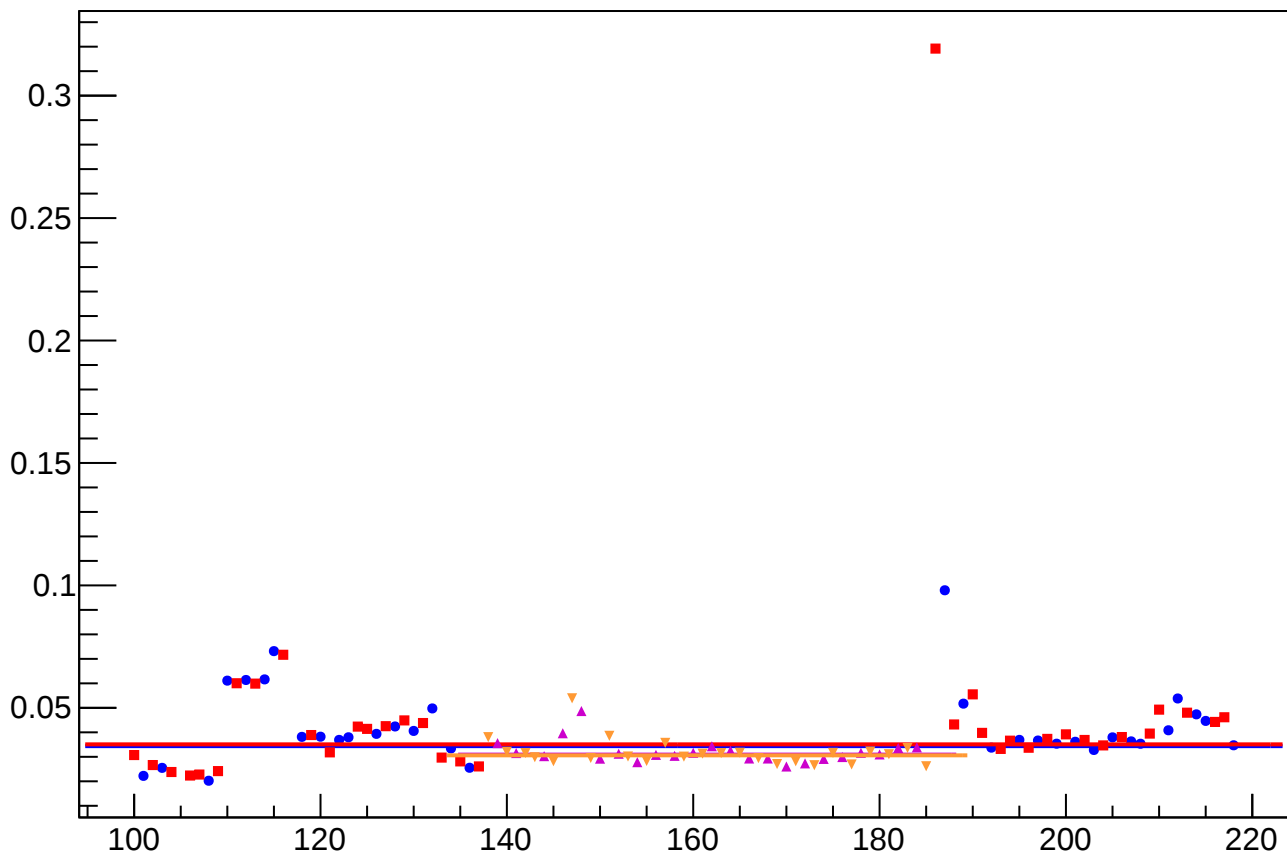
Left In: 17.888 $\pm$ 0.000 χ^2 /NDF: 1203002311.3/22

+ sign 18.048 $\pm$ 0.000 χ^2 /NDF: 35846539322.3/57

All: 18.095 $\pm$ 0.000 χ^2 /NDF: 74553270823.6

- sign 18.145 $\pm$ 0.000 χ^2 /NDF: 38556174118.4/58

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: 2585090.6/35

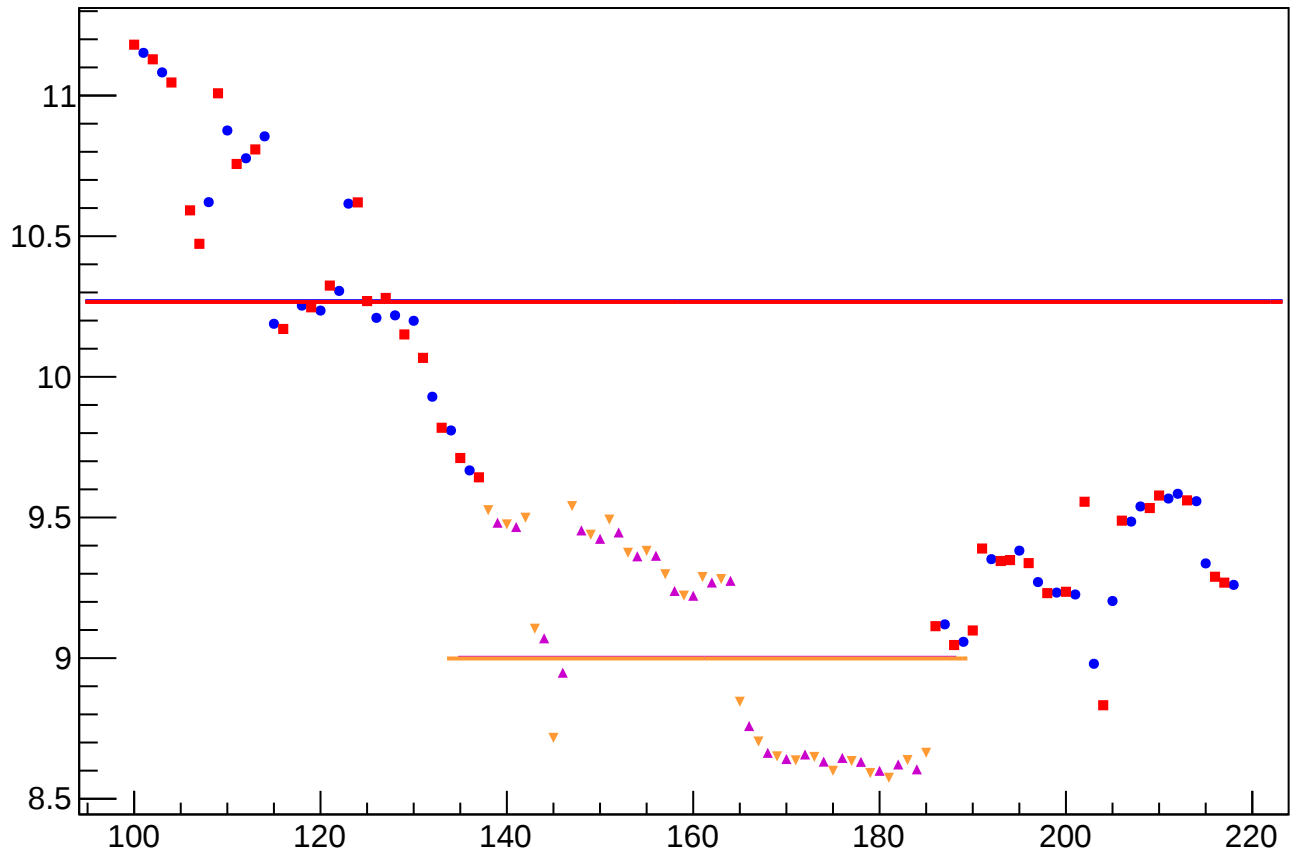
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2998102.6/57

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 6309935.0/116

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3303209.9/58

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: 10.266 $\pm$ 0.000 χ^2 /NDF: 15923702272.3/35

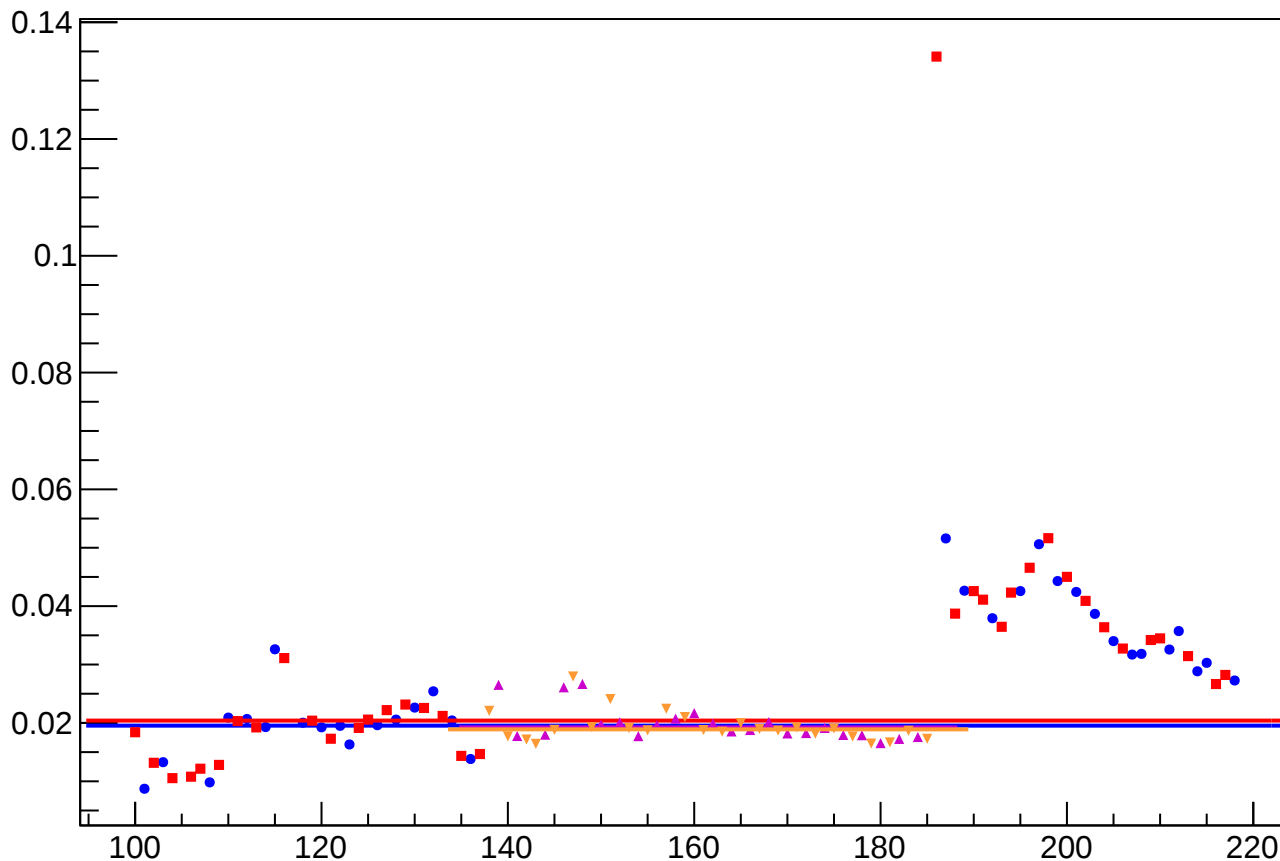
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.541 $\pm$ 0.000 χ^2 /NDF: 56468327248.0/57

All: 9.549 $\pm$ 0.000 χ^2 /NDF: 107843745379.8

- sign 9.558 $\pm$ 0.000 χ^2 /NDF: 51364442418.0/58

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: 0.020+/-0.000 χ^2/NDF : 7401948.0/35

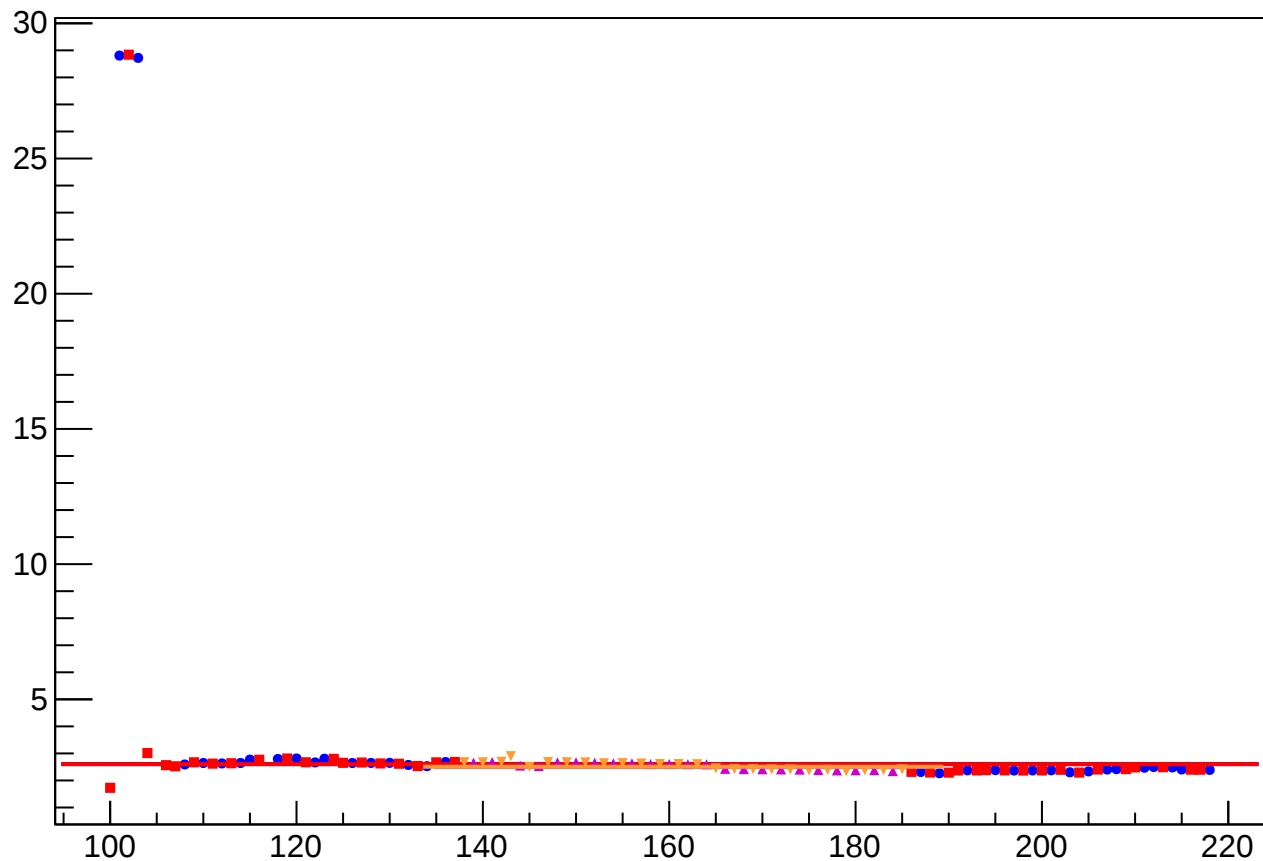
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.019+/-0.000 χ^2/NDF : 8098063.8/57

All: 0.019+/-0.000 χ^2/NDF : 16059907.4/116

- sign 0.020+/-0.000 χ^2/NDF : 7935849.0/58

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: 2.604 $\pm$ 0.000 χ^2 /NDF: 94198806881.7/35

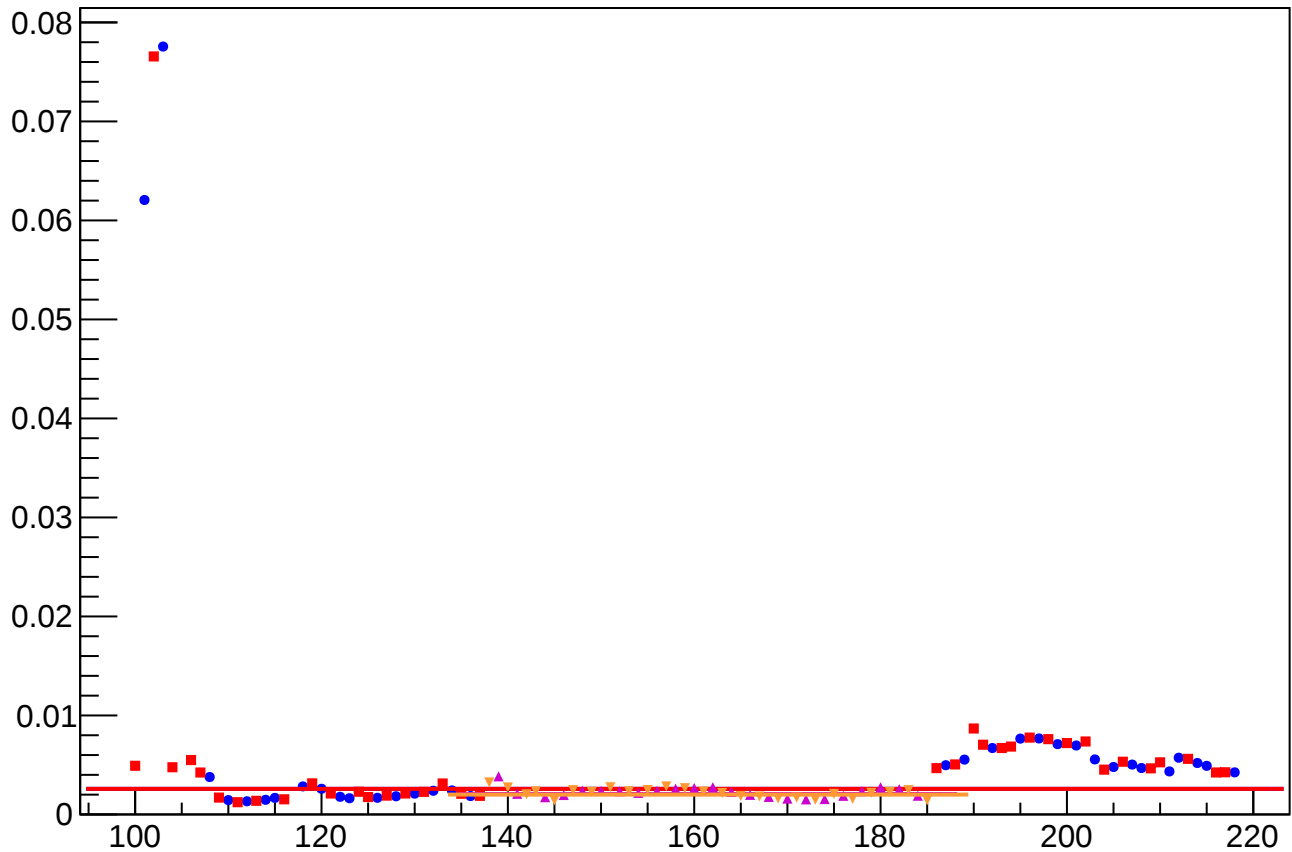
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.538 $\pm$ 0.000 χ^2 /NDF: 261152214523.9/57

All: 2.539 $\pm$ 0.000 χ^2 /NDF: 409380639869.8

- sign 2.540 $\pm$ 0.000 χ^2 /NDF: 148224126037.2/58

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: 10766561.2/35

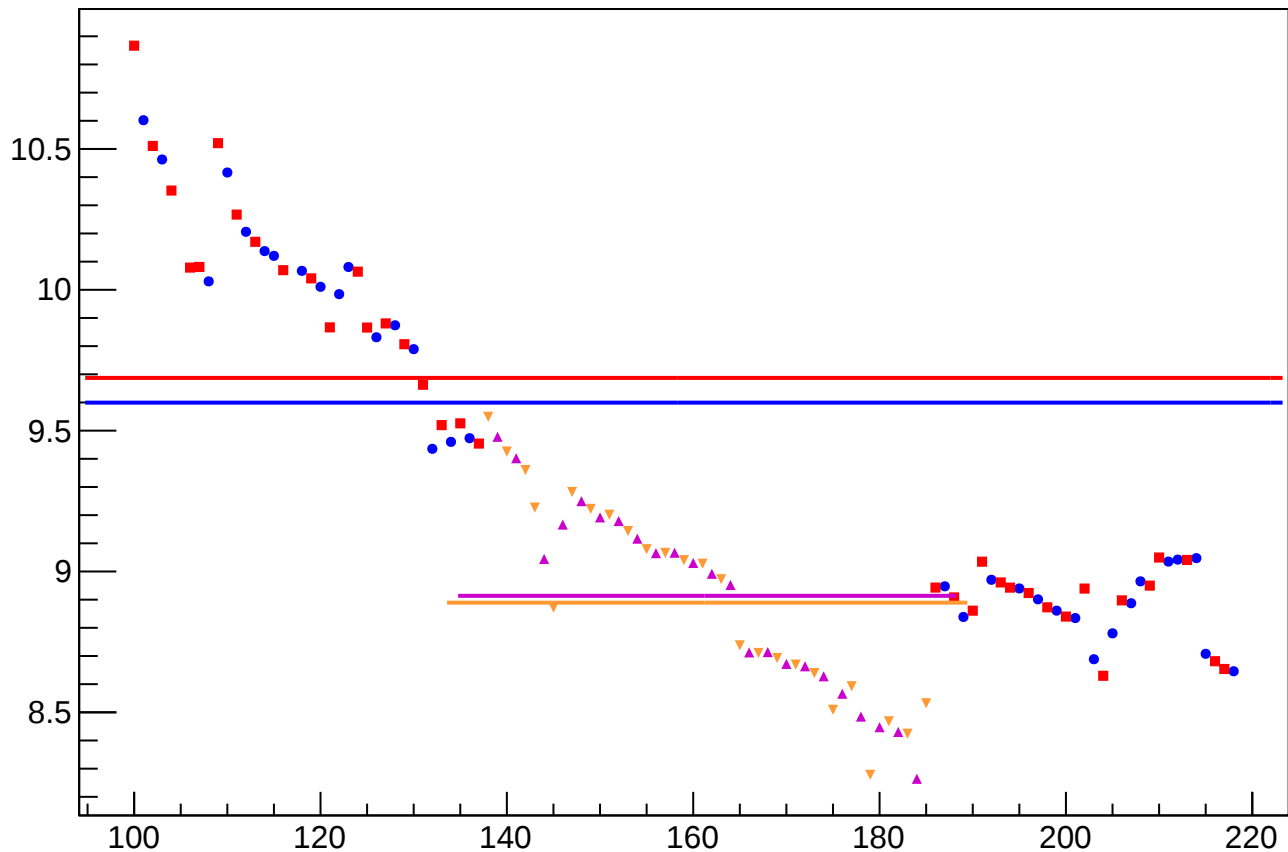
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13056564.2/57

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 25774911.7/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12705008.4/58

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: 9.687 $\pm$ 0.000 χ^2 /NDF: 109656091065.1/35

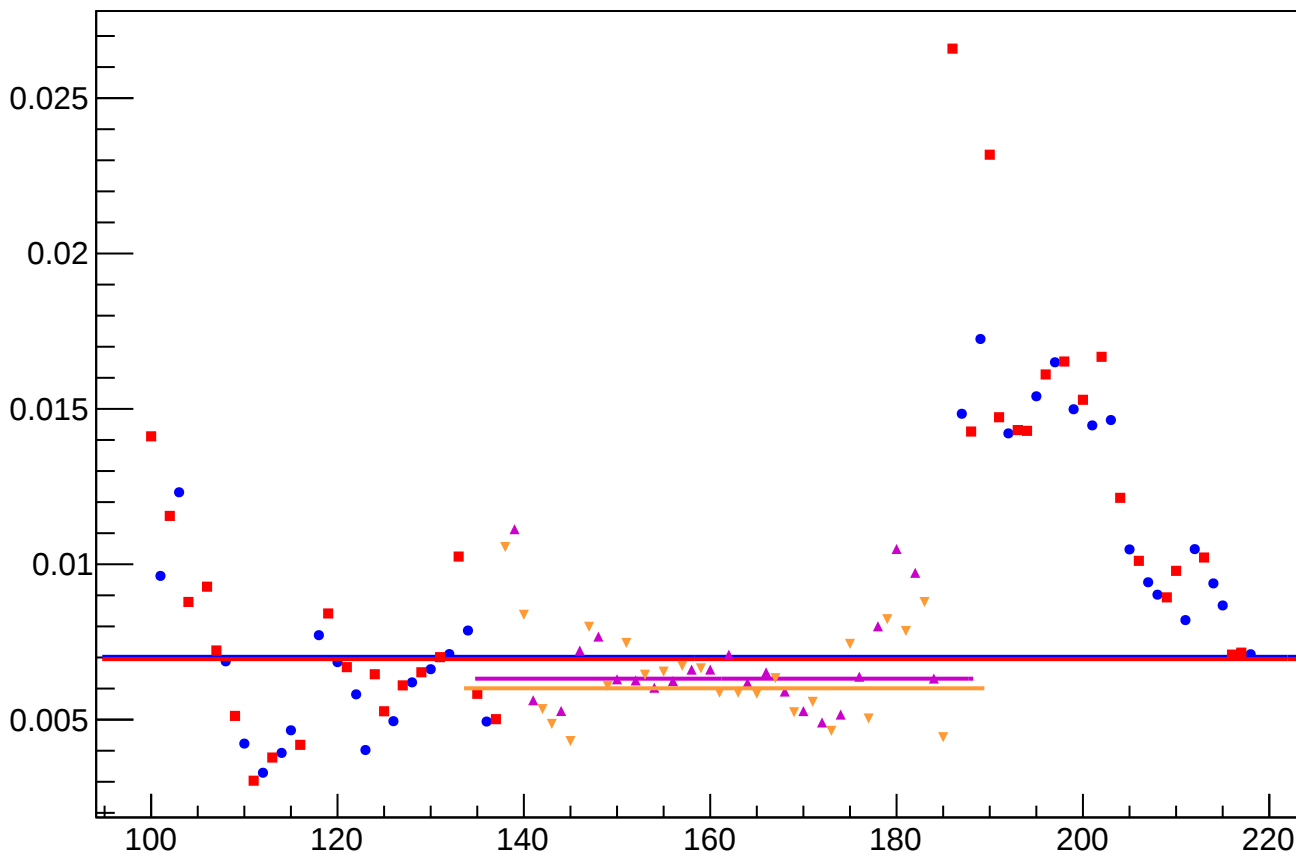
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.179 $\pm$ 0.000 χ^2 /NDF: 217706450166.1/57

All: 9.217 $\pm$ 0.000 χ^2 /NDF: 450783773043.3

- sign 9.258 $\pm$ 0.000 χ^2 /NDF: 231012142856.6/58

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: 7552942.9/35

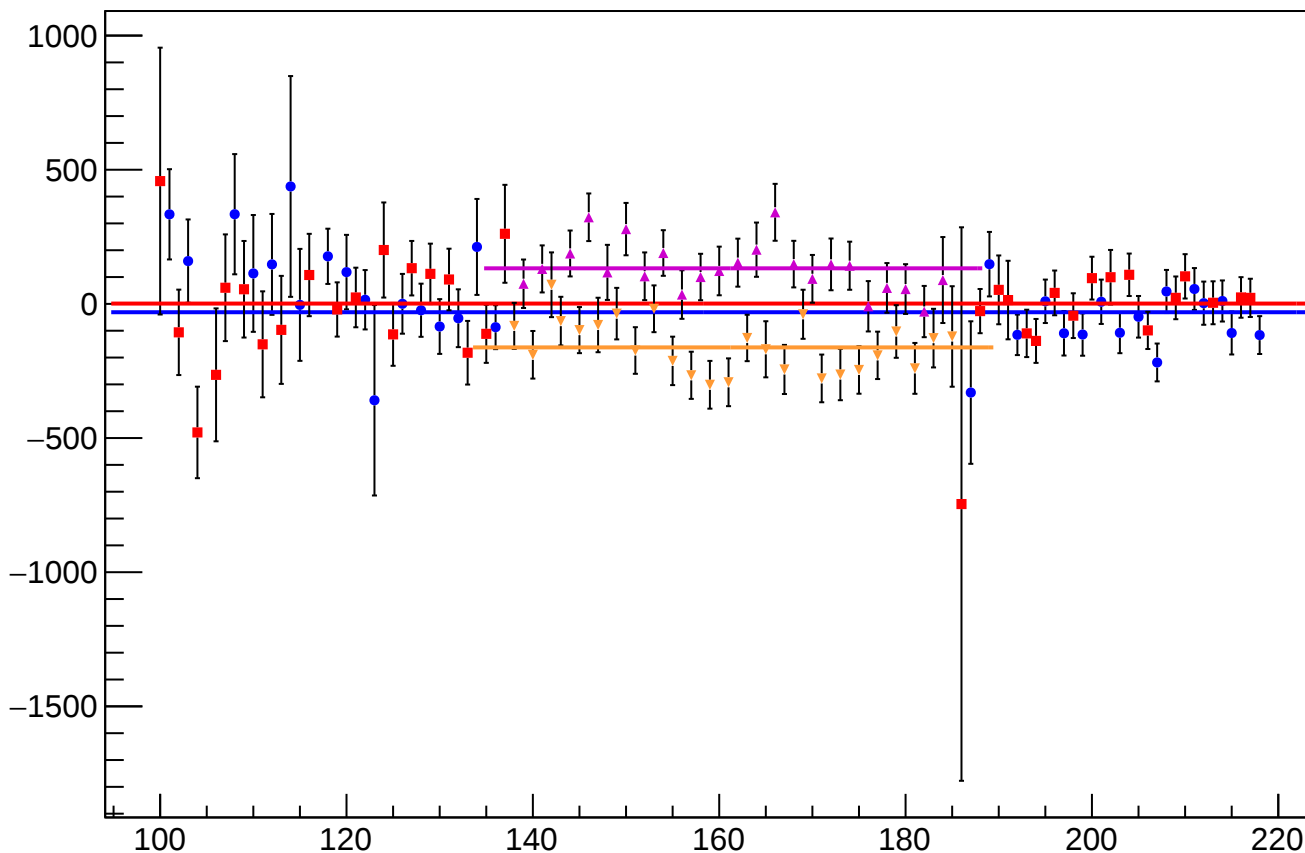
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7742551.0/57

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 16525718.9/116

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8762809.1/58

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: 1.185 ± 17.569 χ^2/NDF : 36.8/35

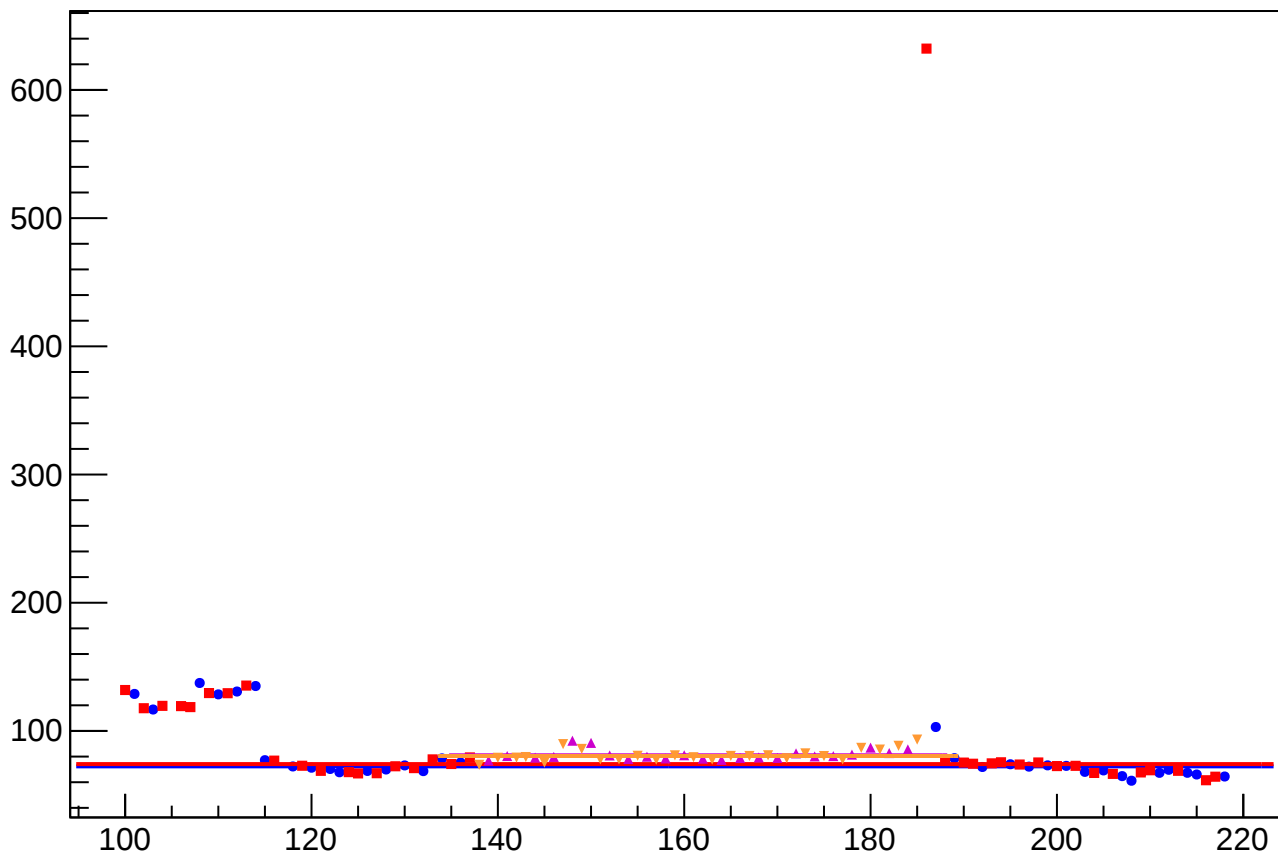
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -91.178 ± 12.692 χ^2/NDF : 93.1/57

All: -17.356 ± 9.090 χ^2/NDF : 245.2/116

- sign 60.368 ± 13.023 χ^2/NDF : 82.7/58

reg_asym_sam1_rms vs Slug



Right In: 72.378 $\pm$ 0.012 χ^2 /NDF: 1105256.0/32

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 74.146 $\pm$ 0.012 χ^2 /NDF: 1801659.4/35

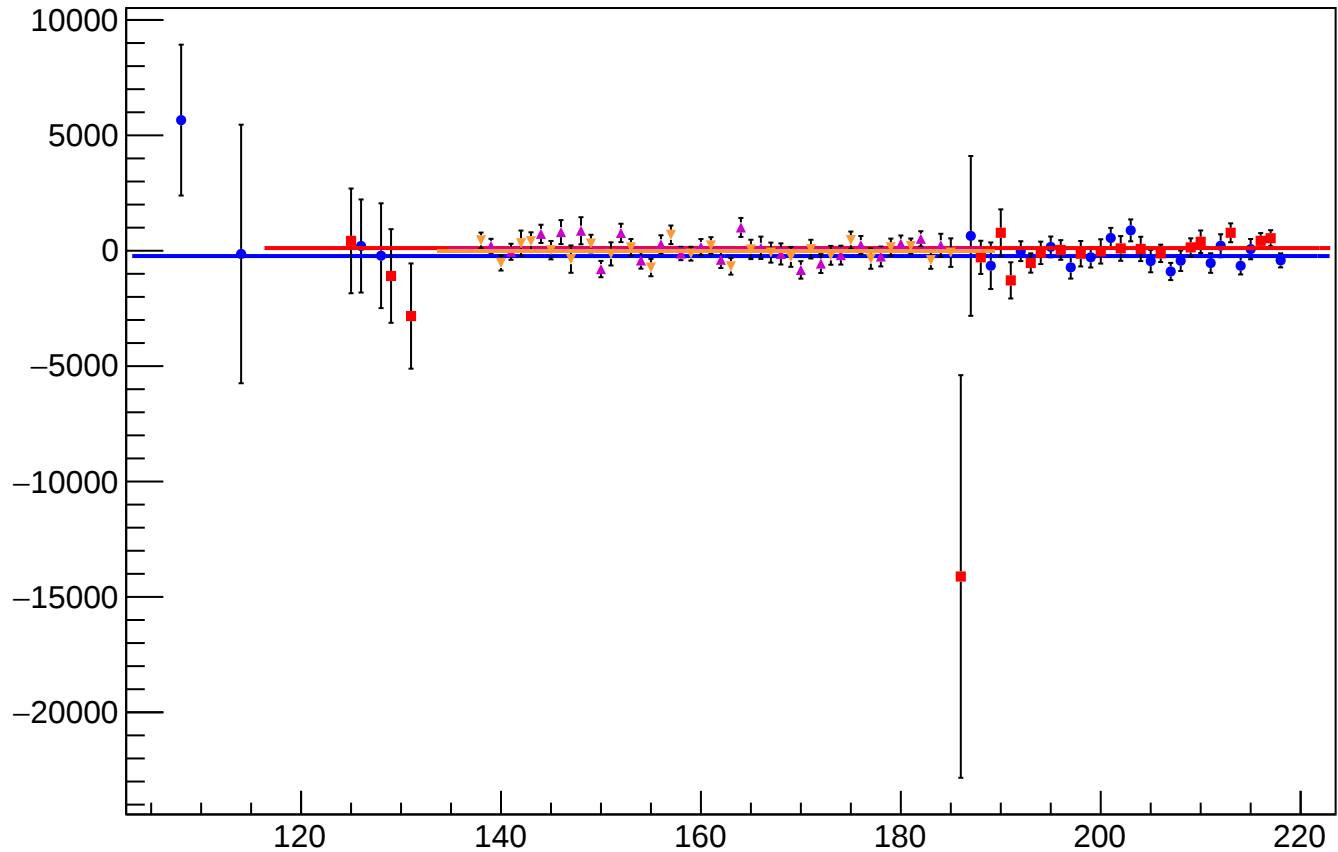
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 76.083 $\pm$ 0.009 χ^2 /NDF: 1396474.0/57

All: 76.646 $\pm$ 0.006 χ^2 /NDF: 3416182.5/116

- sign 77.240 $\pm$ 0.009 χ^2 /NDF: 2011614.4/58

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: 116.280 ± 115.094 χ^2/NDF : 17.2/19

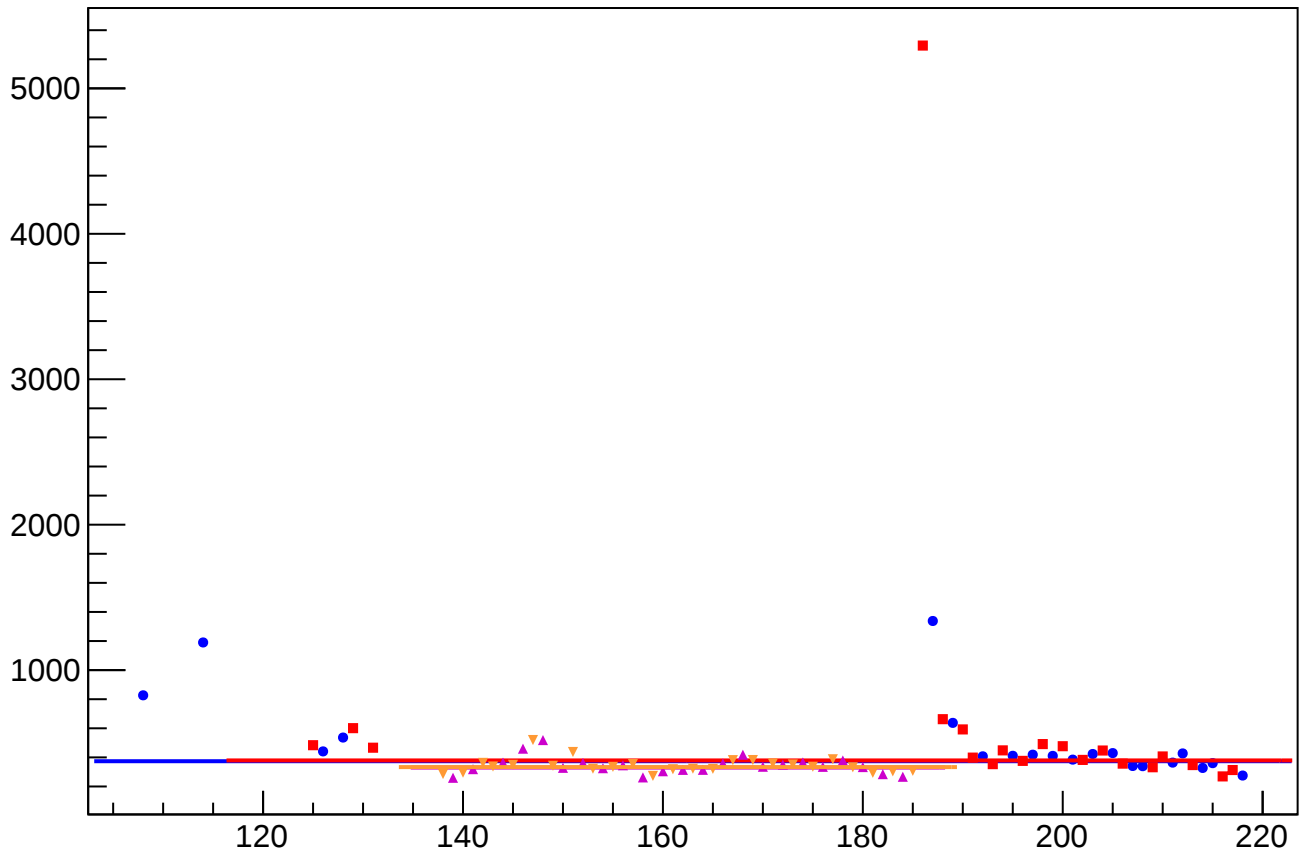
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -82.973 ± 64.176 χ^2/NDF : 46.4/44

All: -2.714 ± 45.914 χ^2/NDF : 104.4/87

- sign 81.442 ± 65.716 χ^2/NDF : 54.7/42

asym_sam1_correction_rms vs Slug



Right In: 373.672 $\pm$ 0.079 χ^2 /NDF: 784749.7/19

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 379.093 $\pm$ 0.081 χ^2 /NDF: 1640120.5/19

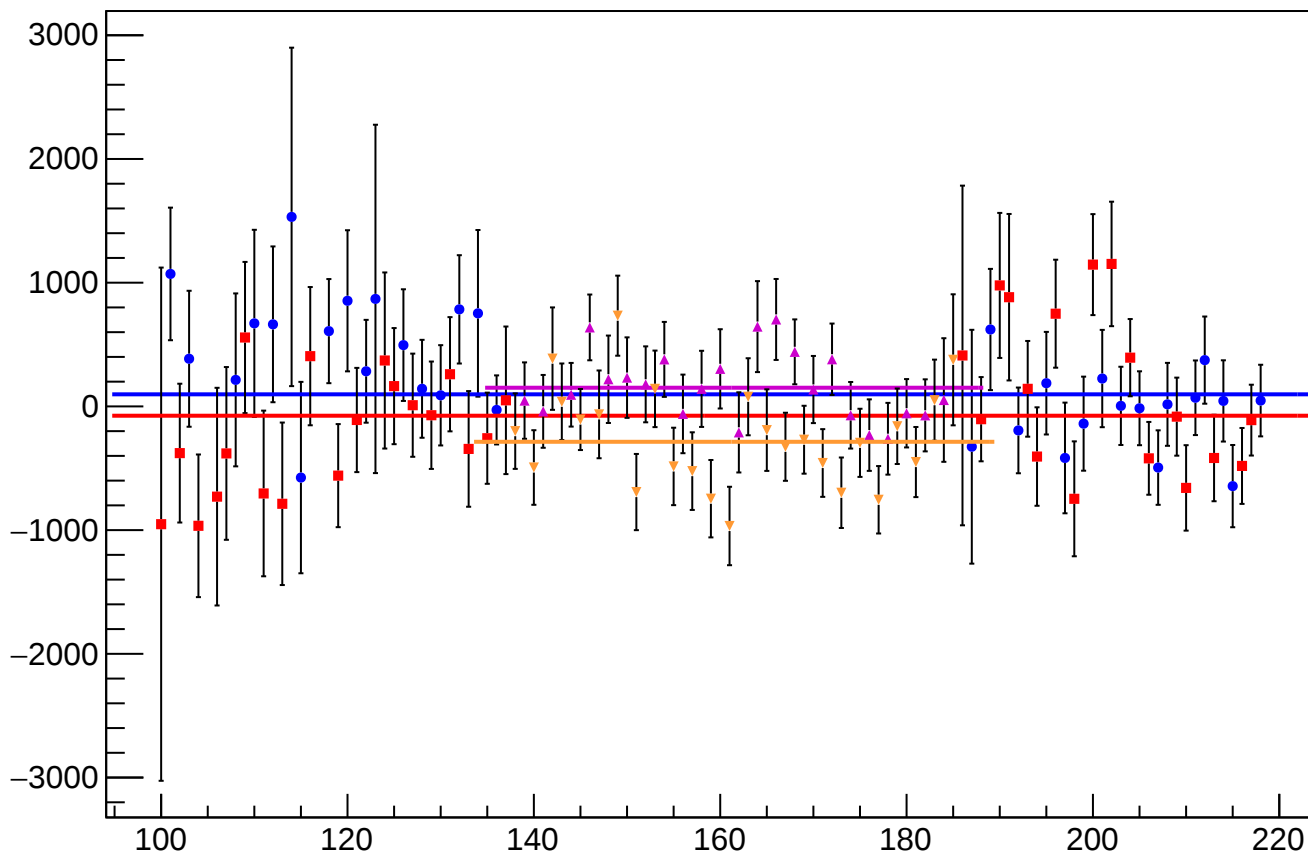
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 346.569 $\pm$ 0.045 χ^2 /NDF: 1552388.3/44

All: 346.289 $\pm$ 0.032 χ^2 /NDF: 4233955.9/87

- sign 345.995 $\pm$ 0.046 χ^2 /NDF: 2681489.5/42

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: -75.309 ± 73.131 χ^2/NDF : 46.8/35

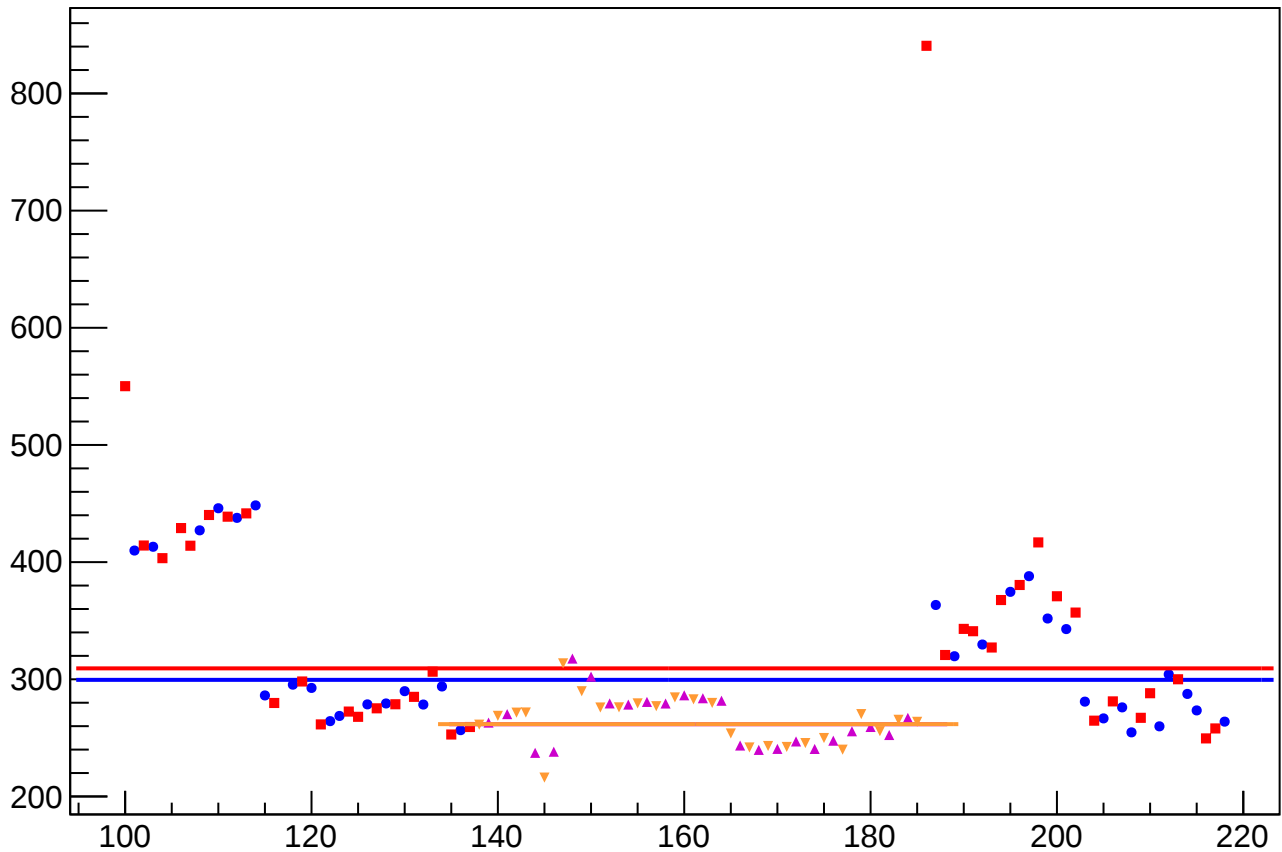
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -123.812 ± 46.415 χ^2/NDF : 82.0/57

All: -36.820 ± 33.249 χ^2/NDF : 160.2/116

- sign 54.869 ± 47.651 χ^2/NDF : 71.0/58

reg_asym_sam2_rms vs Slug



Right In: 299.527+/-0.050 χ^2/NDF : 904463.5/32

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 309.325+/-0.052 χ^2/NDF : 1451308.5/35

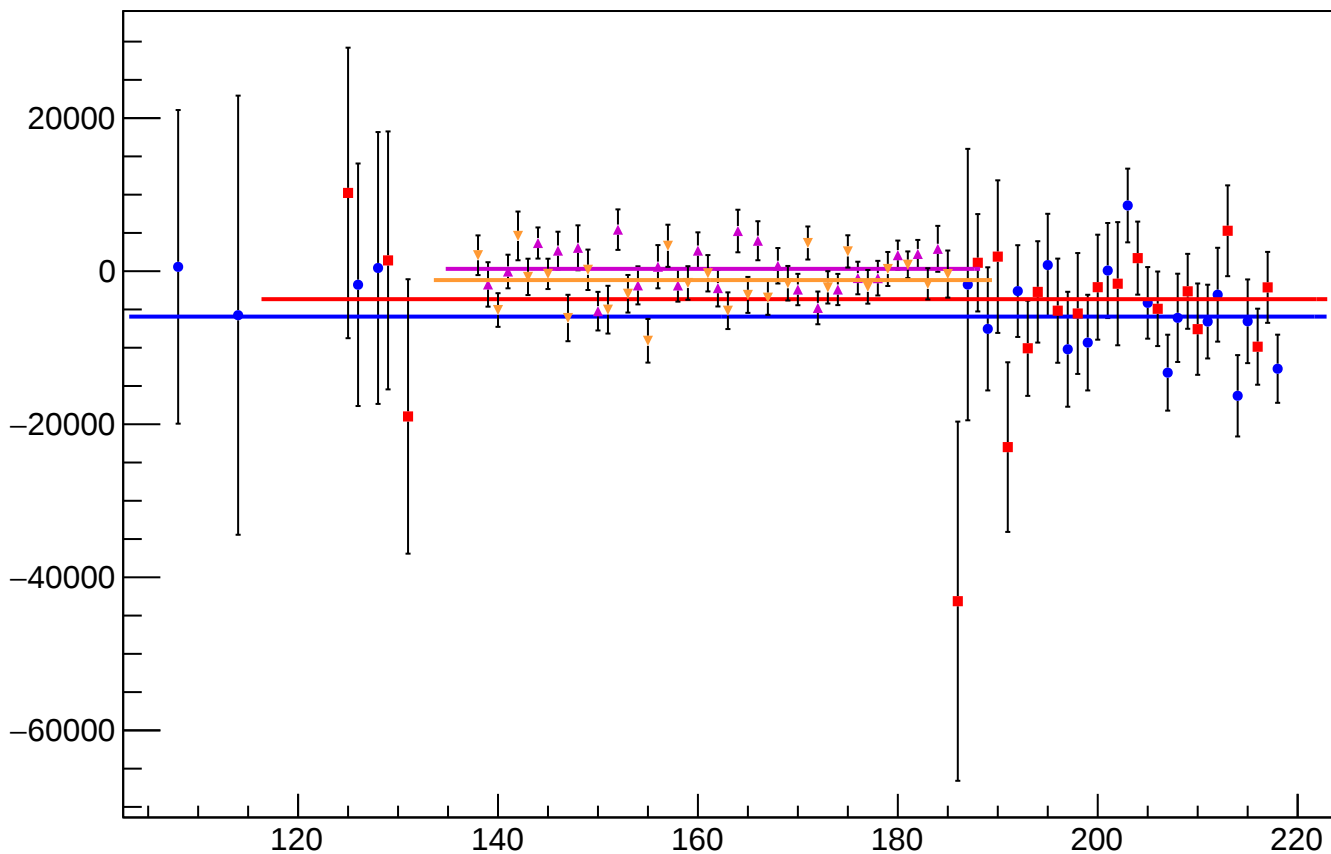
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 277.706+/-0.033 χ^2/NDF : 1461491.5/57

All: 279.740+/-0.024 χ^2/NDF : 3638309.1/116

- sign 281.884+/-0.034 χ^2/NDF : 2168929.7/58

asym_sam2_correction_mean vs Slug



Right In: -5933.505 $\pm$ 1418.203 χ^2 /NDF: 21.1/19

Left Out: -1161.443 $\pm$ 469.036 χ^2 /NDF: 38.8/24

Right Out: -3655.109 $\pm$ 1493.449 χ^2 /NDF: 15.1/19

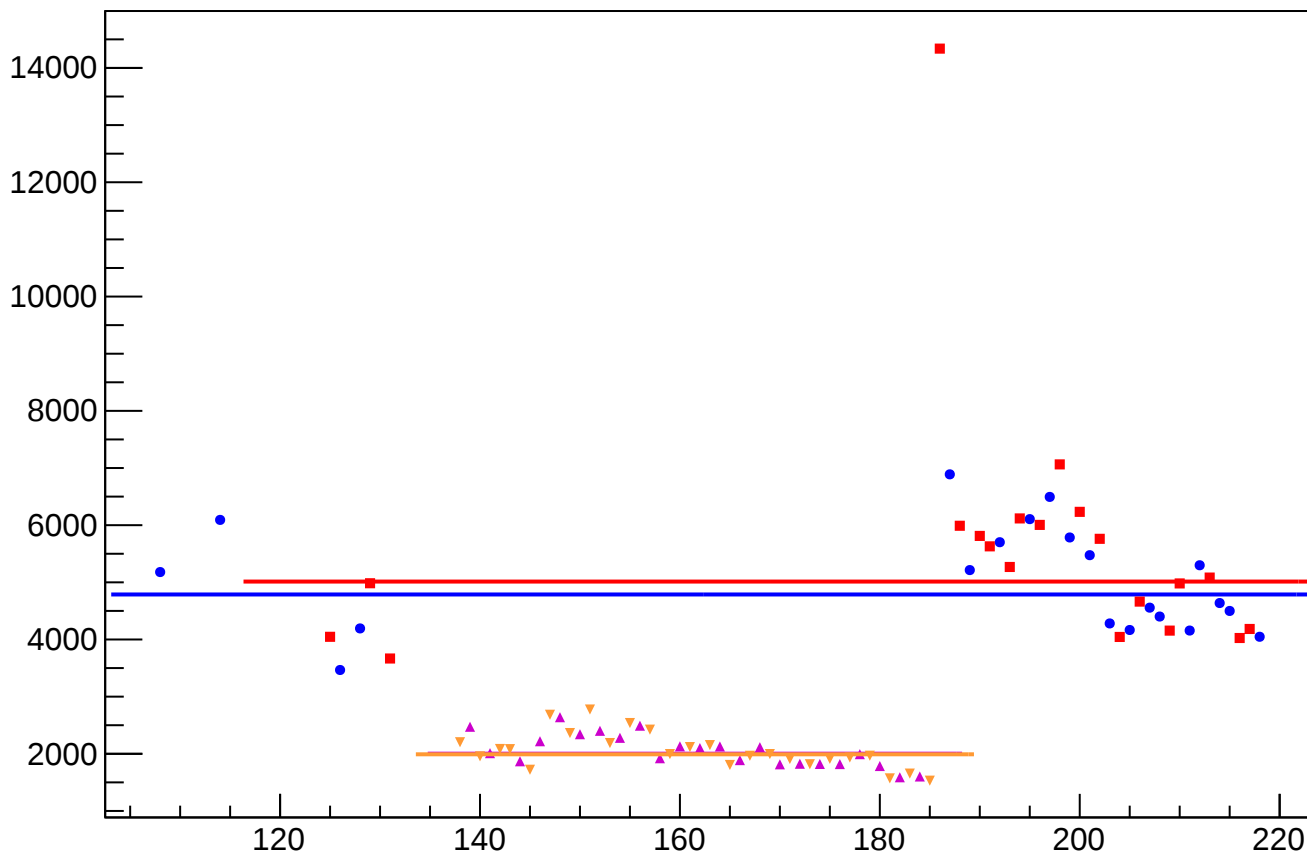
Left In: 304.366 $\pm$ 483.778 χ^2 /NDF: 35.4/22

+ sign -1631.945 $\pm$ 445.314 χ^2 /NDF: 70.0/44

All: -877.501 $\pm$ 320.029 χ^2 /NDF: 132.8/87

- sign -71.656 $\pm$ 460.234 χ^2 /NDF: 56.9/42

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: 5013.495 $\pm$ 1.056 χ^2 /NDF: 1012657.6/19

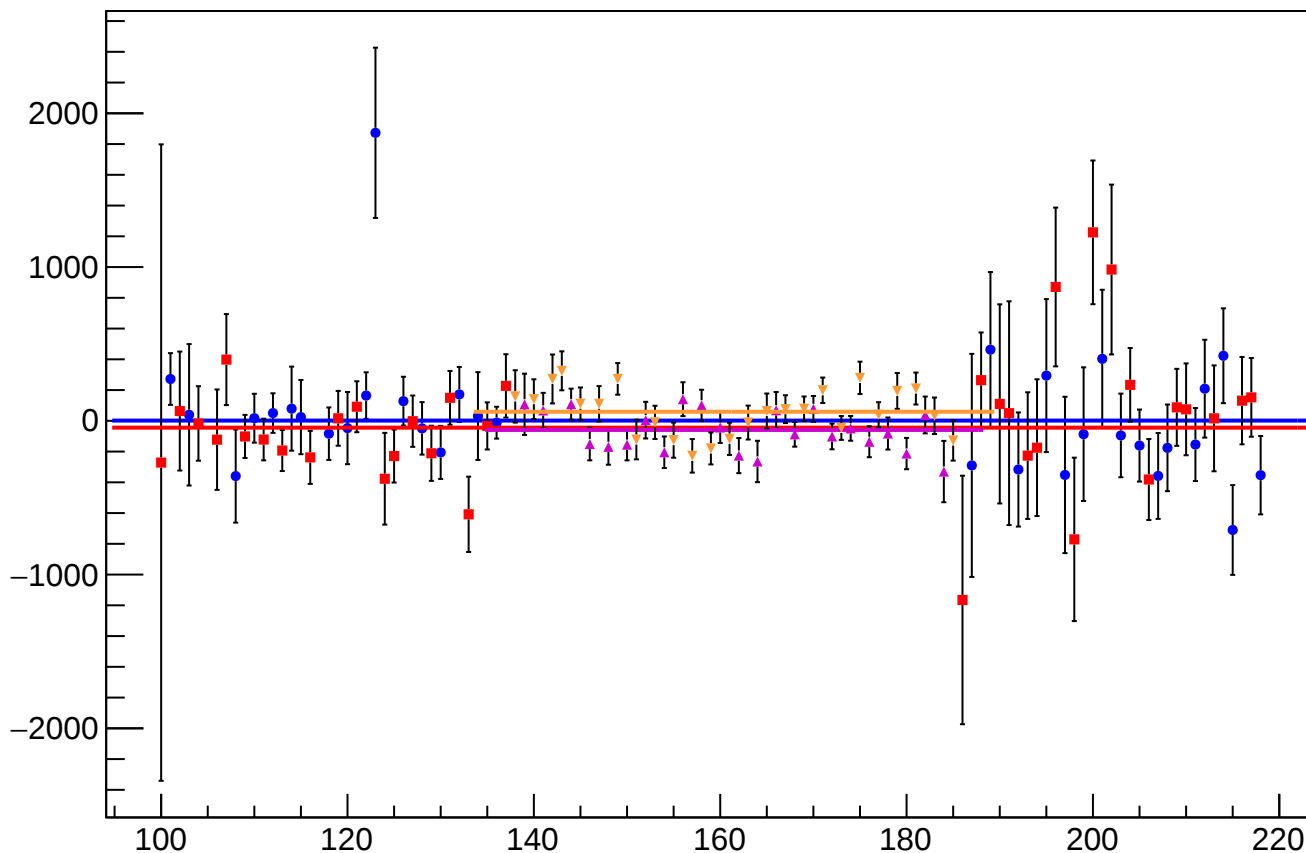
Left In: 2002.154 $\pm$ 0.342 χ^2 /NDF: 585947.4/22

+ sign 2266.830 $\pm$ 0.315 χ^2 /NDF: 8275038.0/44

All: 2277.131 $\pm$ 0.226 χ^2 /NDF: 17235098.6/6

- sign 2288.134 $\pm$ 0.325 χ^2 /NDF: 8957847.3/42

reg_asym_sam3_mean vs Slug



Right In: 1.581 ± 38.378 $\chi^2/\text{NDF}: 36.9/32$

Left Out: 58.983 ± 21.137 $\chi^2/\text{NDF}: 46.9/24$

Right Out: -44.427 ± 38.549 $\chi^2/\text{NDF}: 41.3/35$

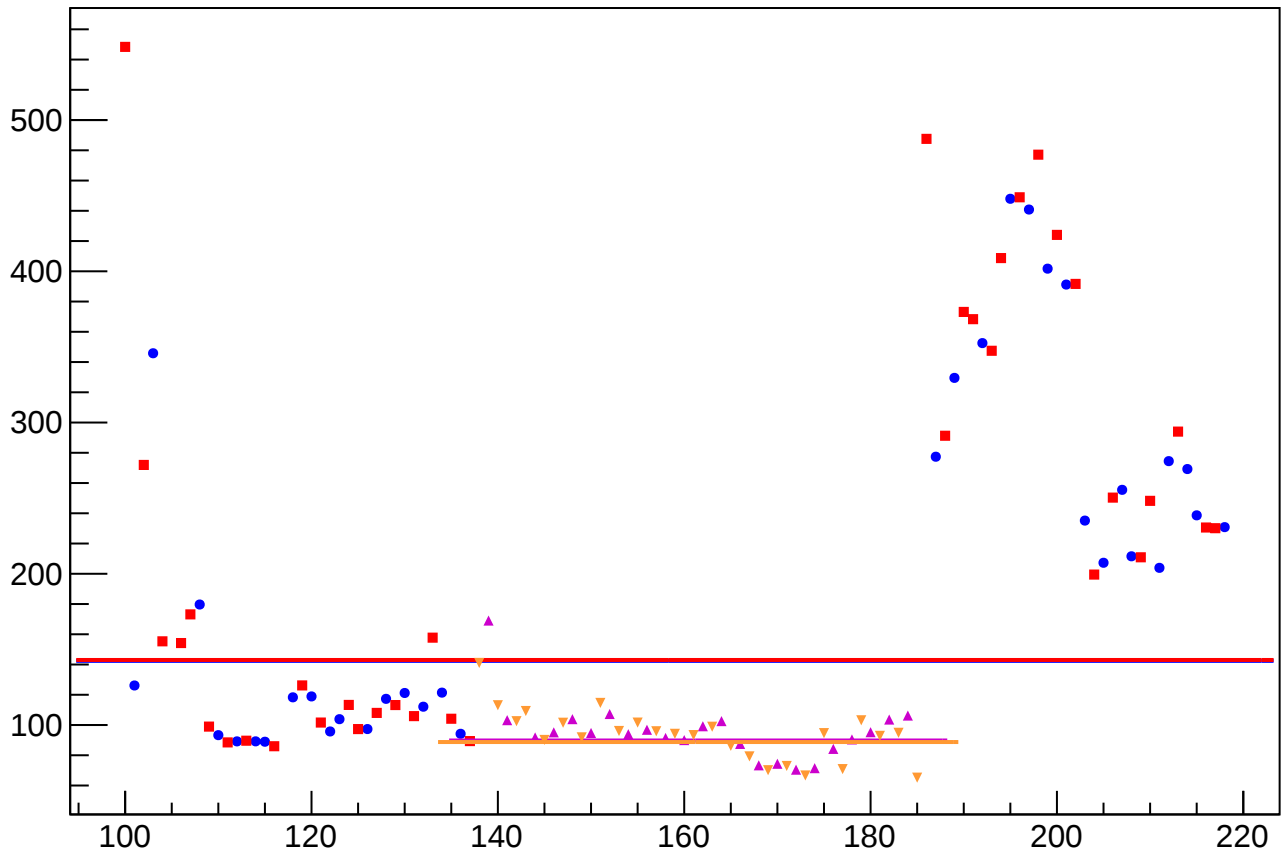
Left In: -59.235 ± 21.921 $\chi^2/\text{NDF}: 29.4/22$

+ sign 45.623 ± 18.515 $\chi^2/\text{NDF}: 85.5/57$

All: -3.540 ± 13.279 $\chi^2/\text{NDF}: 170.9/116$

- sign -55.616 ± 19.056 $\chi^2/\text{NDF}: 70.8/58$

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: 143.004 $\pm$ 0.027 χ^2 /NDF: 8934593.2/35

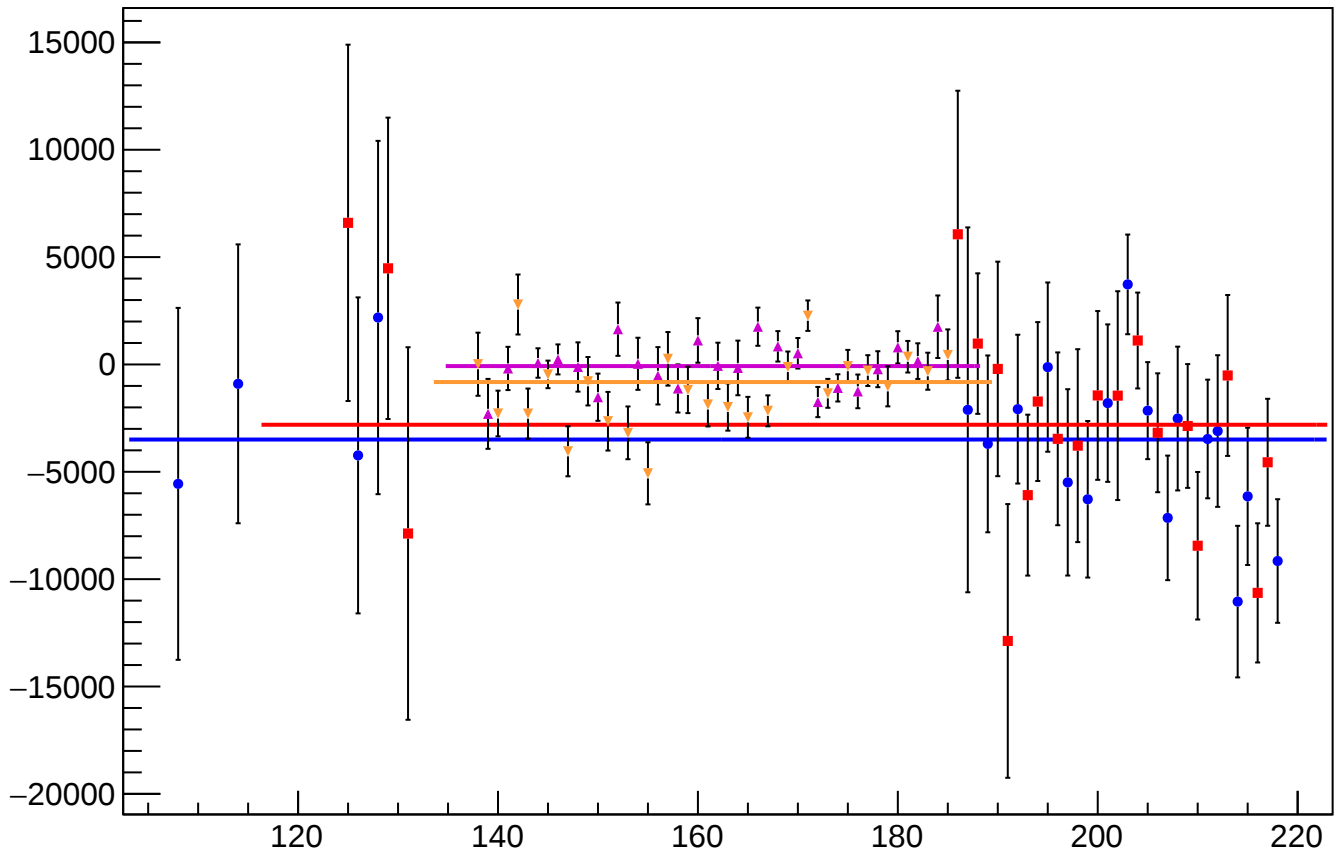
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 101.241 $\pm$ 0.013 χ^2 /NDF: 12088934.6/57

All: 101.986 $\pm$ 0.009 χ^2 /NDF: 24798524.2/1

- sign 102.775 $\pm$ 0.013 χ^2 /NDF: 12702928.3/58

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: -2808.301 $\pm$ 842.786 χ^2/NDF : 22.0/19

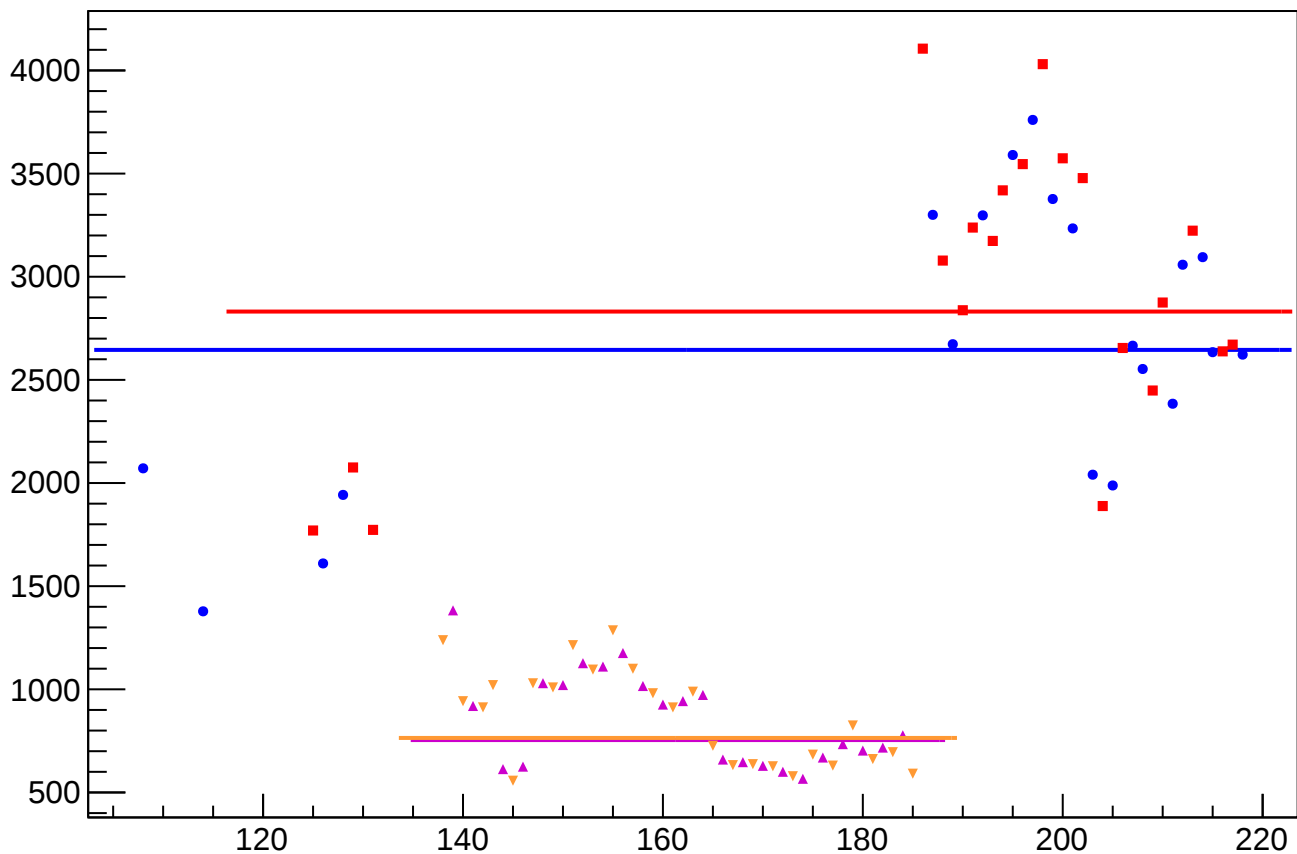
Left In: -76.204 $\pm$ 186.651 χ^2/NDF : 28.3/22

+ sign -956.674 $\pm$ 179.655 χ^2/NDF : 102.6/44

All: -585.676 $\pm$ 127.938 χ^2/NDF : 171.5/87

- sign -203.944 $\pm$ 182.235 χ^2/NDF : 60.3/42

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: 2831.201+/-0.596 χ^2/NDF : 992770.5/19

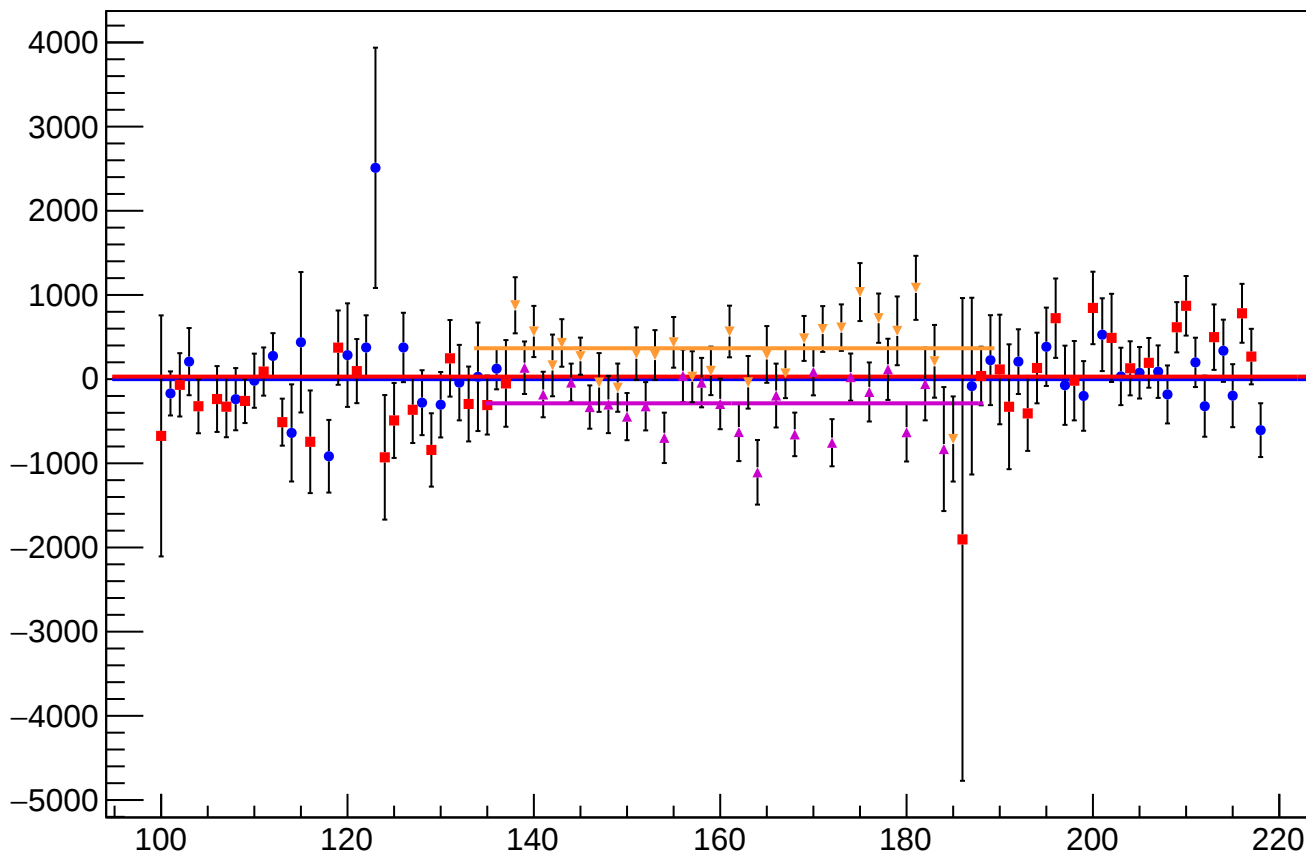
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 861.084+/-0.127 χ^2/NDF : 14005520.6/44

All: 856.186+/-0.090 χ^2/NDF : 28595696.2/87

- sign 851.145+/-0.129 χ^2/NDF : 14587158.9/42

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: 30.008 ± 65.713 χ^2/NDF : 44.7/35

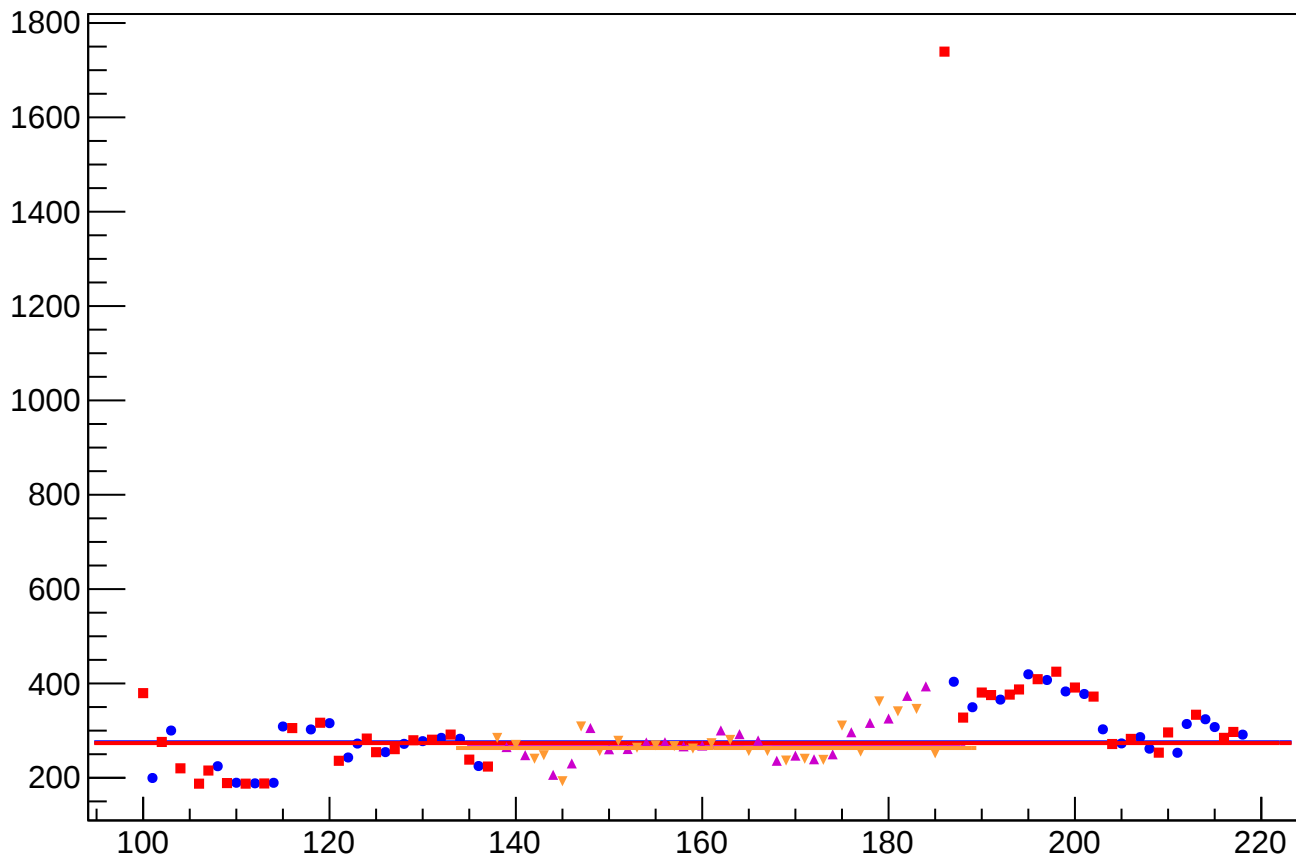
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 195.901 ± 45.265 χ^2/NDF : 68.6/57

All: 34.009 ± 32.229 χ^2/NDF : 175.1/116

- sign -132.461 ± 45.900 χ^2/NDF : 80.5/58

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: 273.571+/-0.046 χ^2/NDF : 2470547.9/35

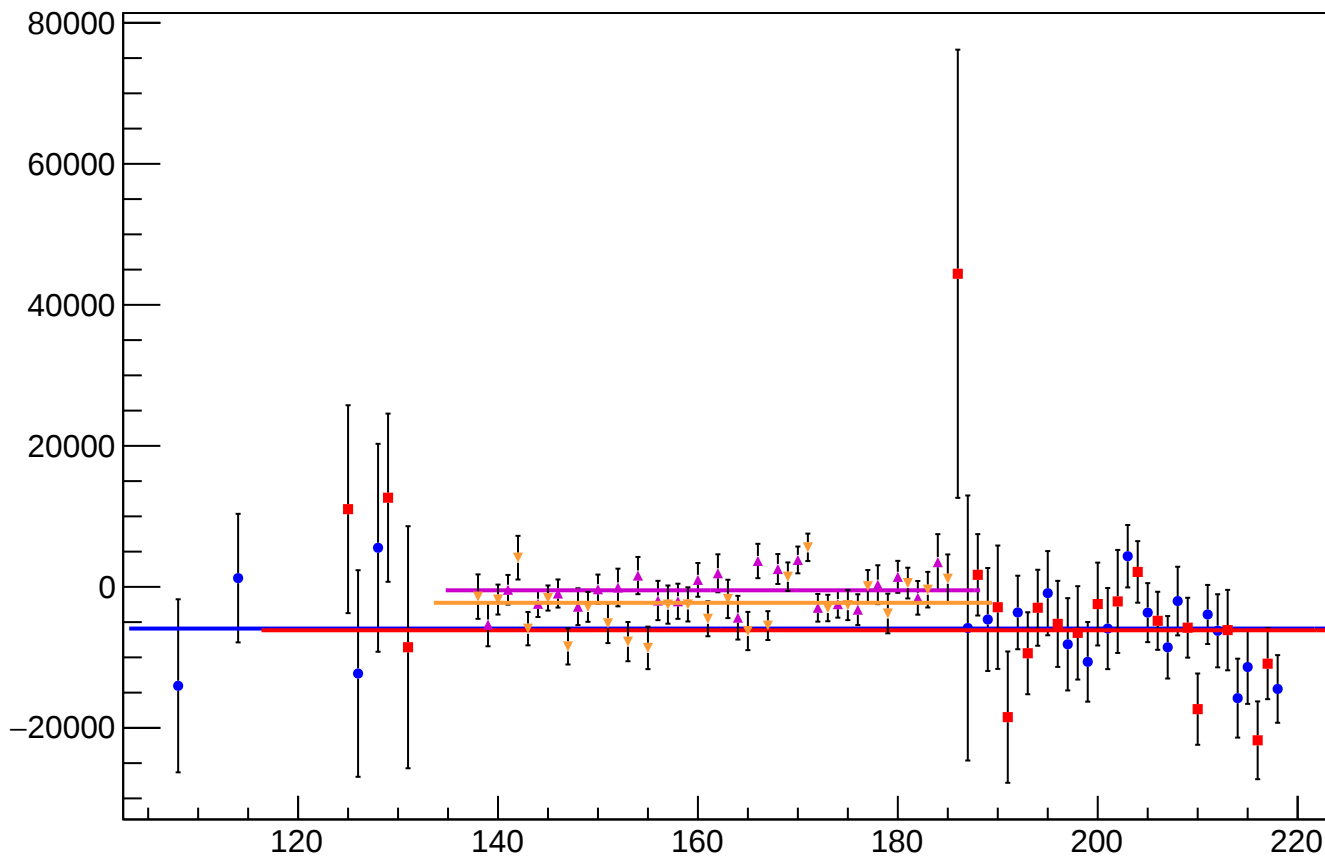
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 268.800+/-0.032 χ^2/NDF : 2293269.0/57

All: 268.969+/-0.023 χ^2/NDF : 5390634.5/116

- sign 269.142+/-0.032 χ^2/NDF : 3097309.1/58

asym_sam4_correction_mean vs Slug



Right In: -5911.799 ± 1283.782 $\chi^2/\text{NDF}: 17.9/19$

Left Out: -2260.196 ± 475.336 $\chi^2/\text{NDF}: 52.3/24$

Right Out: -6154.732 ± 1359.352 $\chi^2/\text{NDF}: 29.0/19$

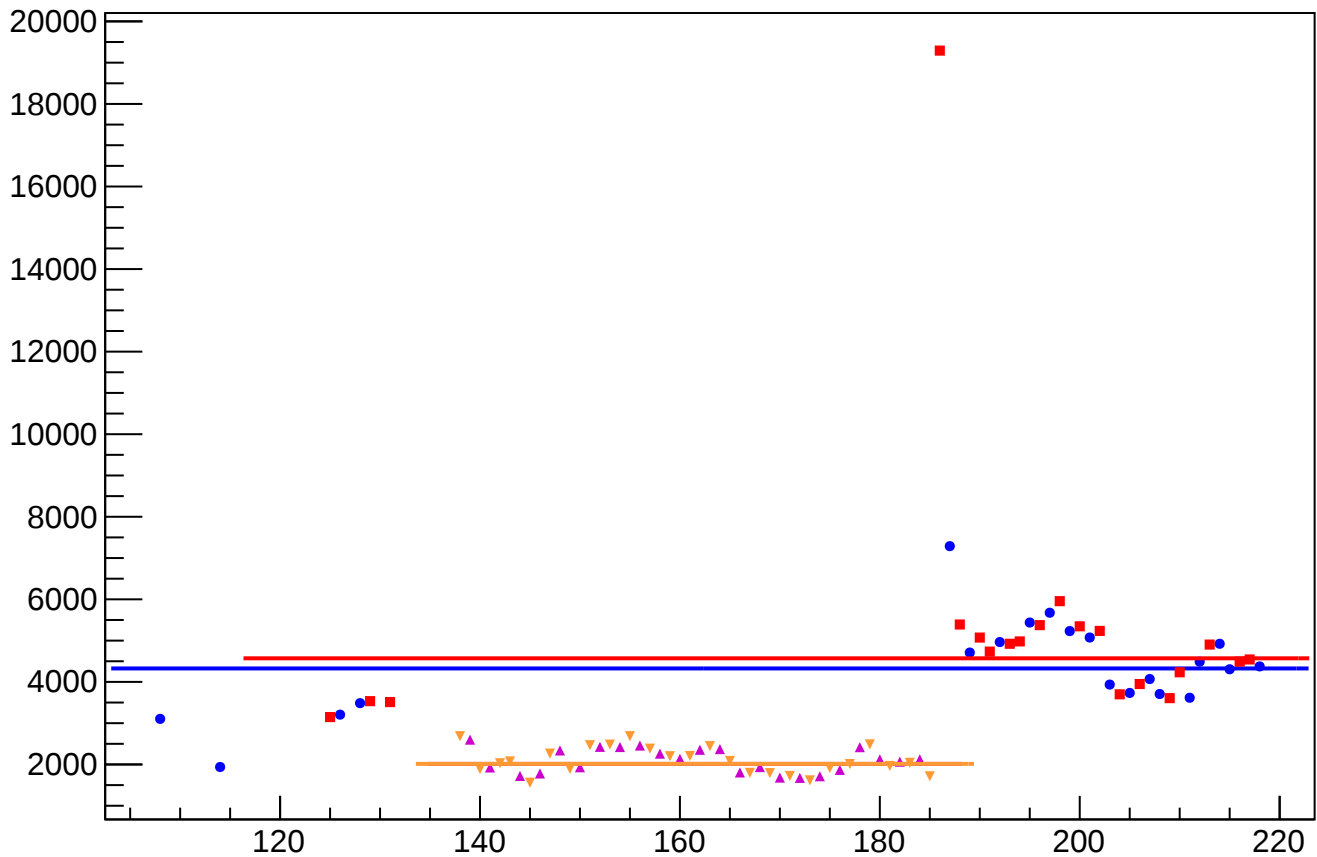
Left In: -485.590 ± 487.465 $\chi^2/\text{NDF}: 24.8/22$

+ sign -2700.452 ± 445.761 $\chi^2/\text{NDF}: 77.3/44$

All: -1938.702 ± 319.729 $\chi^2/\text{NDF}: 152.5/87$

- sign -1131.546 ± 458.854 $\chi^2/\text{NDF}: 69.2/42$

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: 4571.178+/-0.961 χ^2/NDF : 955482.0/19

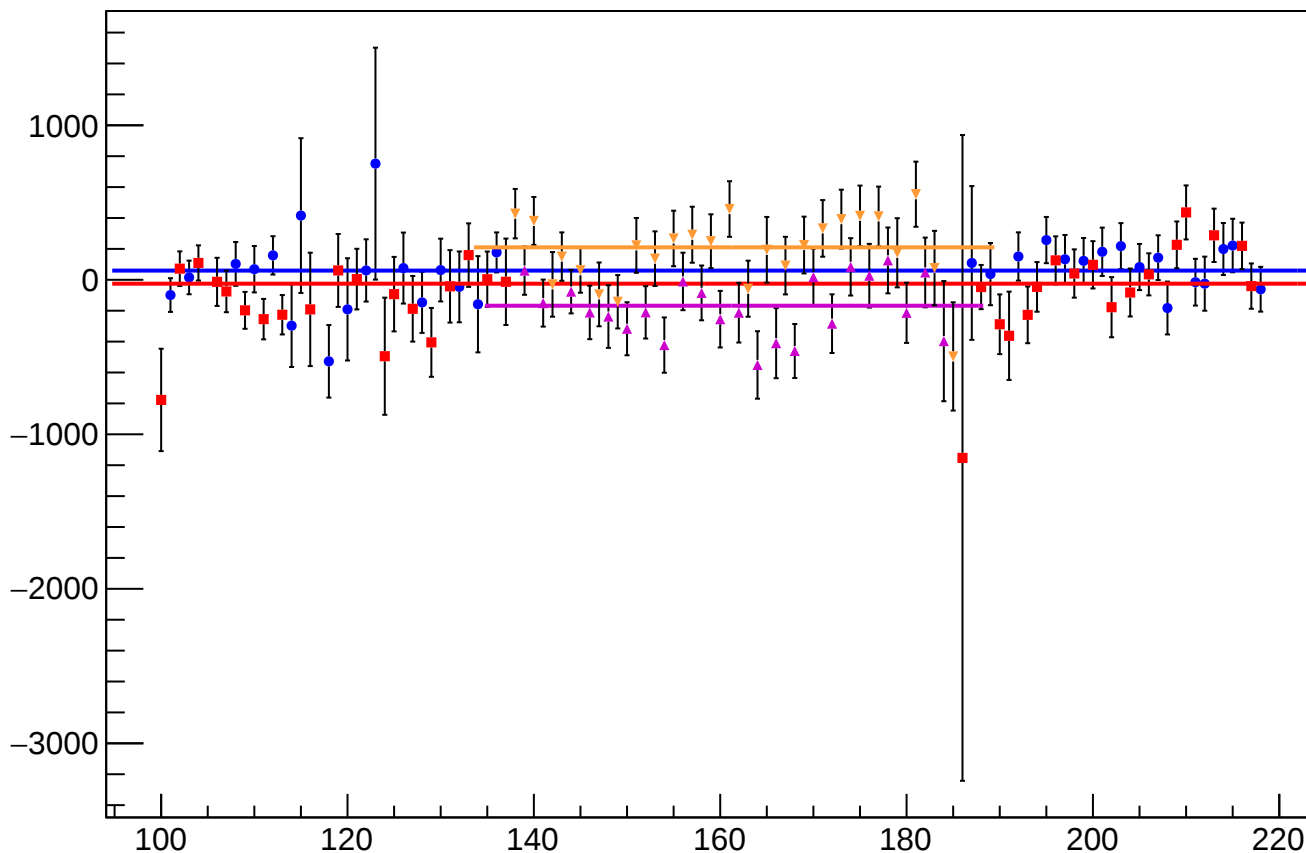
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2292.822+/-0.315 χ^2/NDF : 7216355.4/44

All: 2298.591+/-0.226 χ^2/NDF : 15109497.3/8

- sign 2304.703+/-0.324 χ^2/NDF : 7892452.2/42

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: -25.139 ± 28.169 χ^2/NDF : 44.5/35

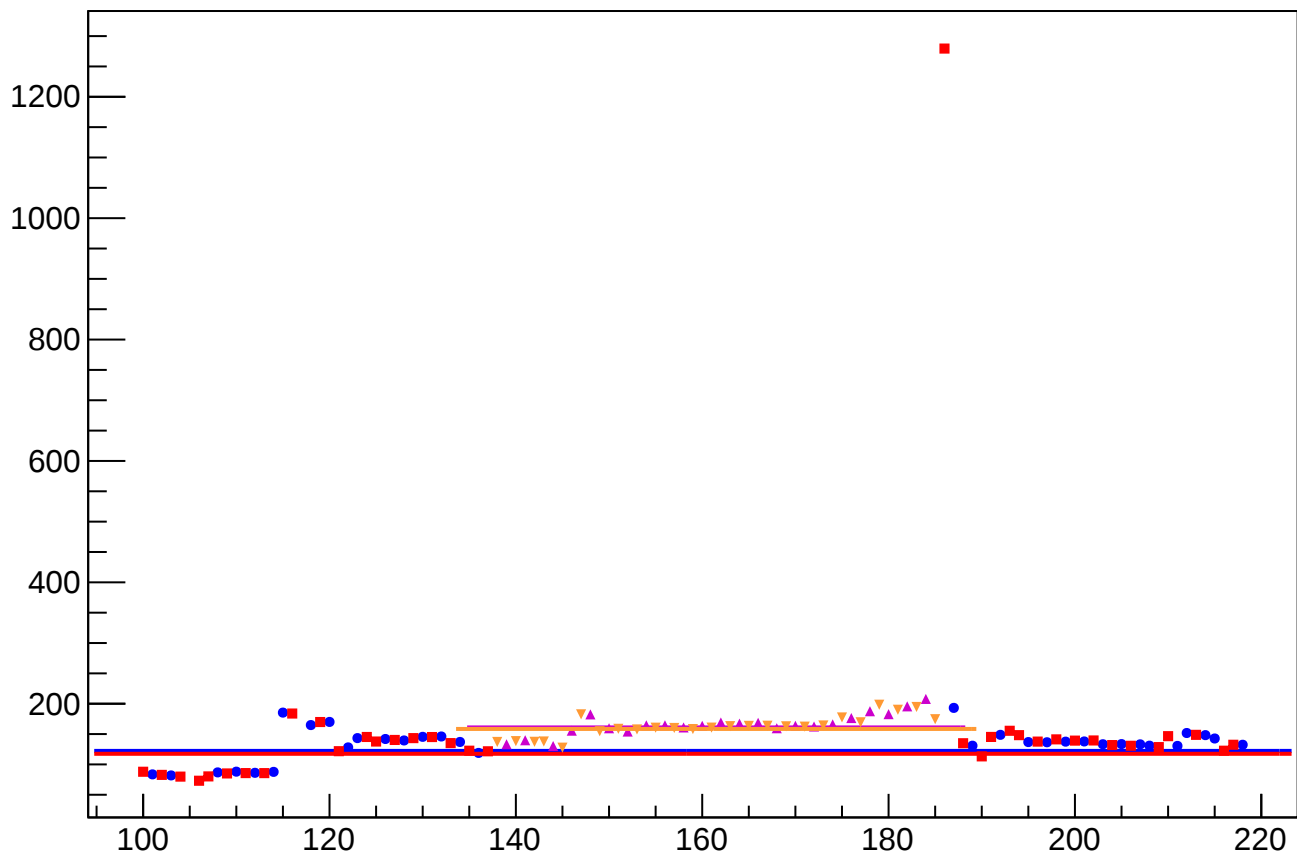
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 117.451 ± 23.003 χ^2/NDF : 62.6/57

All: 20.521 ± 16.186 χ^2/NDF : 172.3/116

- sign -74.524 ± 22.778 χ^2/NDF : 74.6/58

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: 117.488 $\pm$ 0.020 χ^2 /NDF: 2578159.0/35

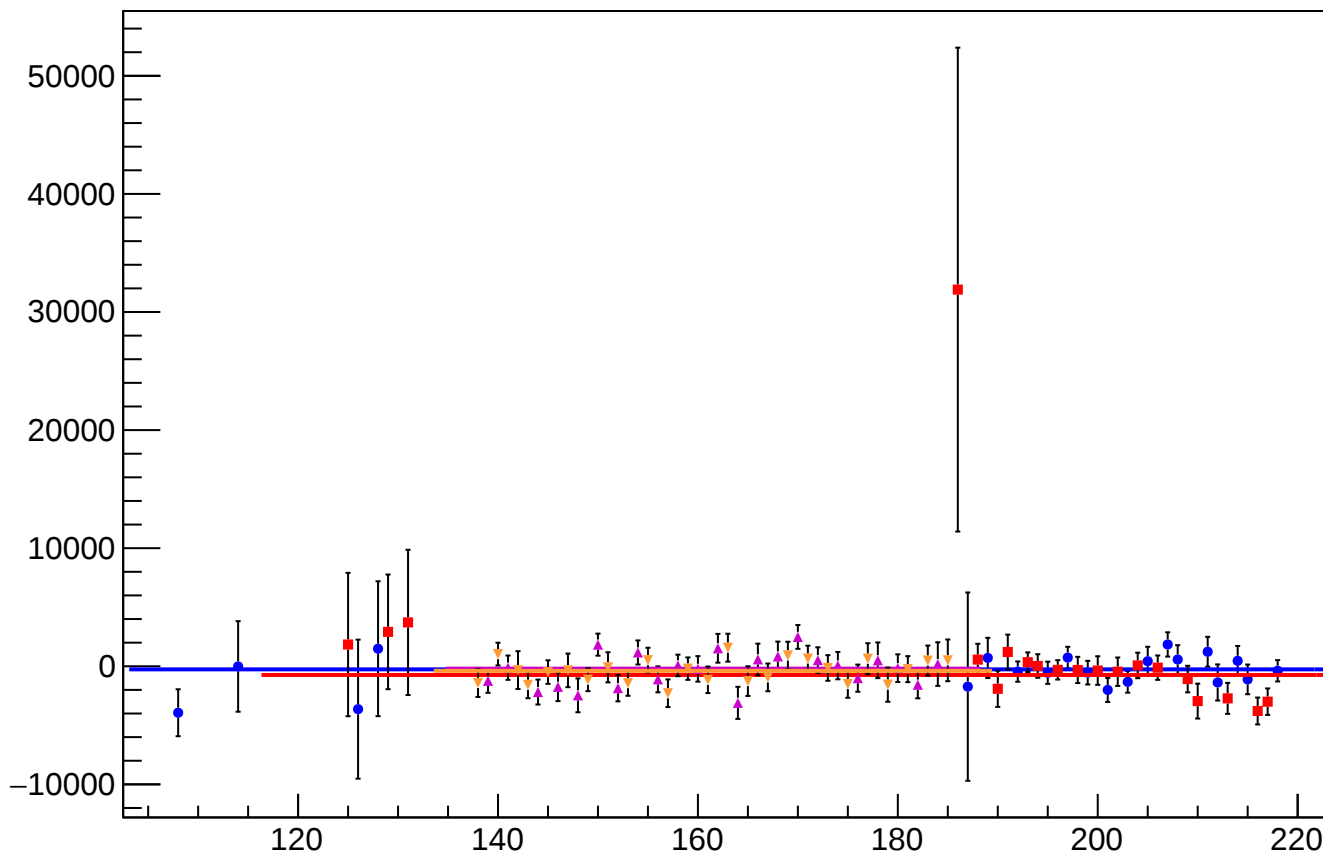
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 136.172 $\pm$ 0.016 χ^2 /NDF: 3154240.4/57

All: 134.333 $\pm$ 0.011 χ^2 /NDF: 7785063.6/116

- sign 132.530 $\pm$ 0.016 χ^2 /NDF: 4605514.5/58

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: -735.817+/-278.725 χ^2 /NDF: 26.7/19

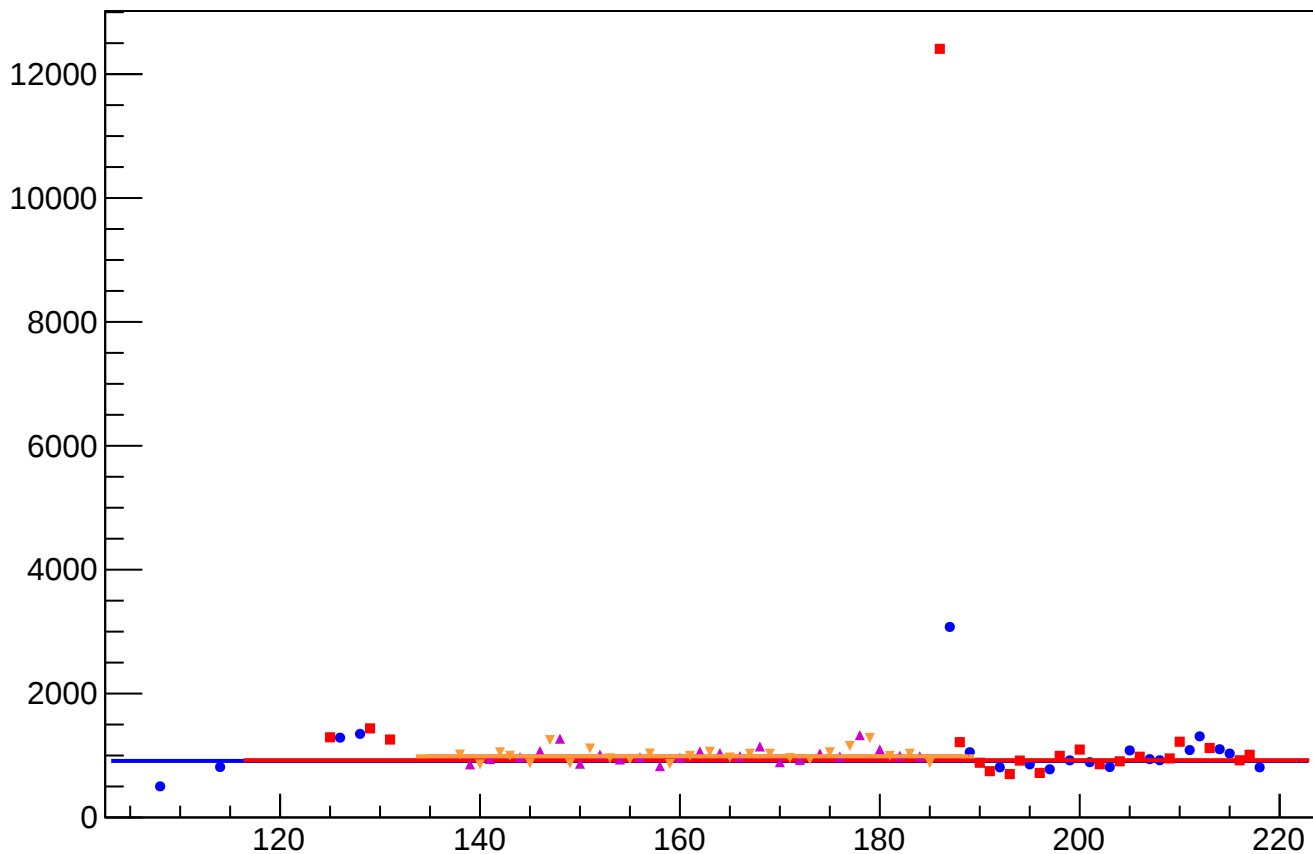
Left In: -202.234+/-237.460 χ^2 /NDF:35.5/22

+ sign -333.270+/-176.753 χ^2 /NDF: 35.7/44

All: -378.910+/-126.375 χ^2 /NDF: 100.2/87

- sign -426.640+/-180.756 χ^2 /NDF: 64.3/42

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: 924.647 $\pm$ 0.197 χ^2 /NDF: 1261677.6/19

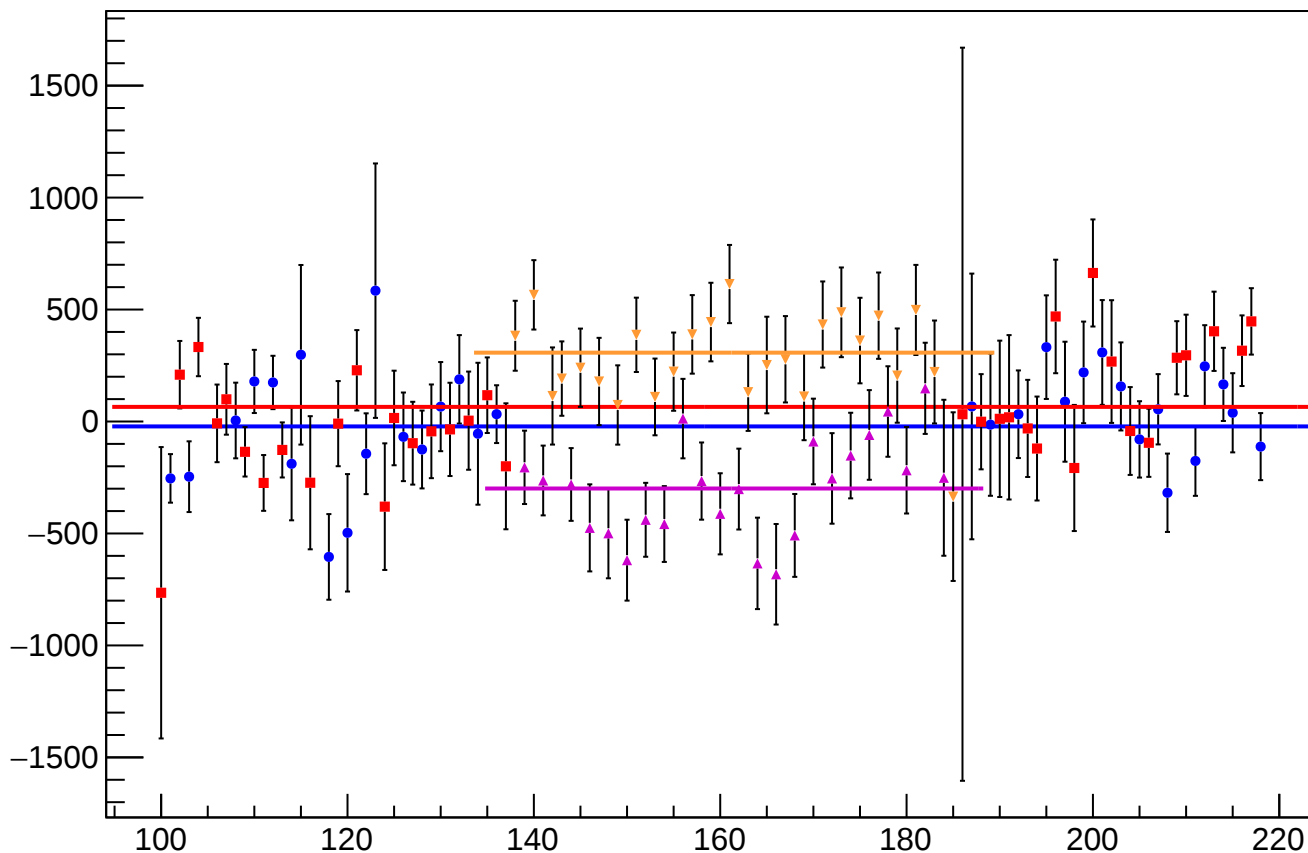
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 956.351 $\pm$ 0.125 χ^2 /NDF: 1139512.5/44

All: 957.634 $\pm$ 0.089 χ^2 /NDF: 2870032.7/87

- sign 958.976 $\pm$ 0.128 χ^2 /NDF: 1730304.5/42

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: 65.315 ± 31.137 $\chi^2/\text{NDF}: 56.2/35$

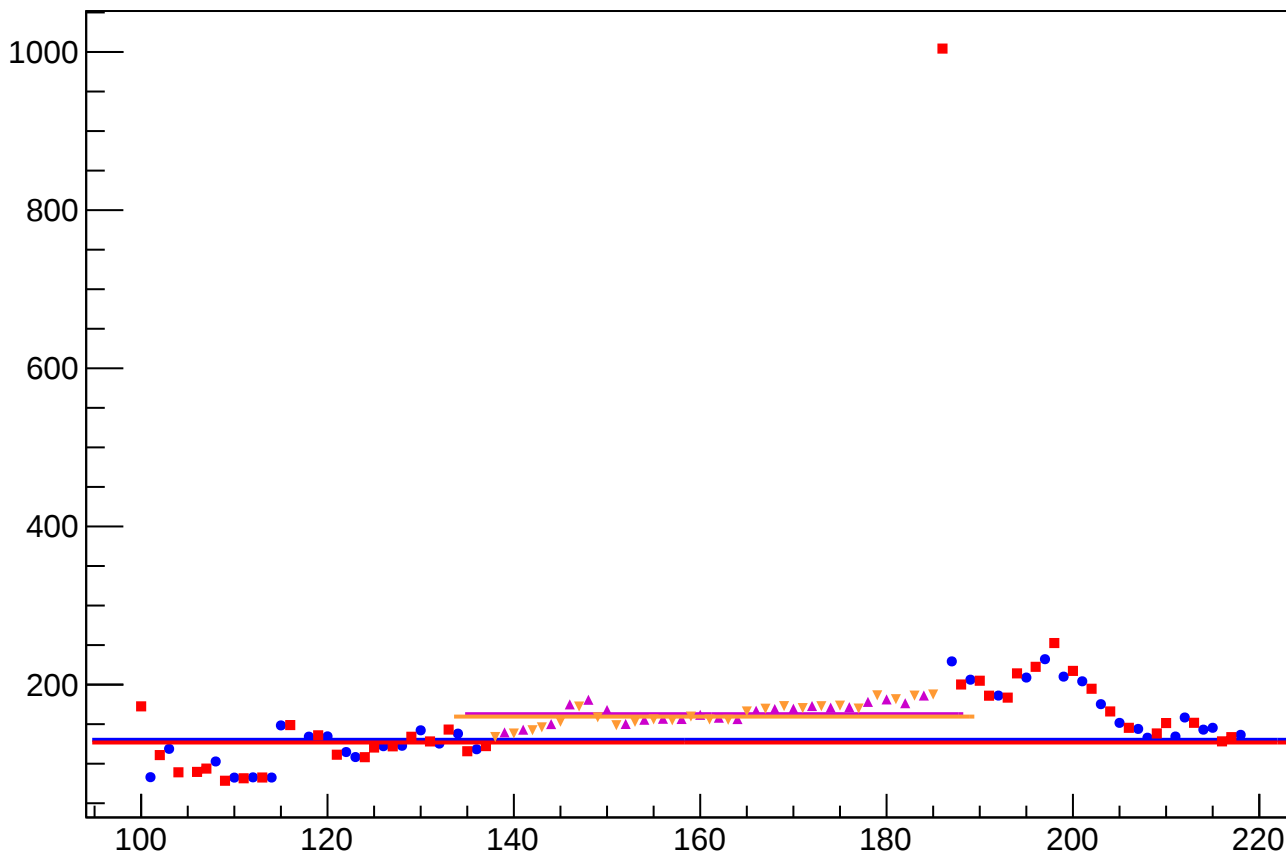
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 117.092 ± 24.217 $\chi^2/\text{NDF}: 109.1/57$

All: 20.746 ± 17.166 $\chi^2/\text{NDF}: 278.9/116$

- sign -76.541 ± 24.335 $\chi^2/\text{NDF}: 138.1/58$

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: 126.806 $\pm$ 0.022 χ^2 /NDF: 4029877.7/35

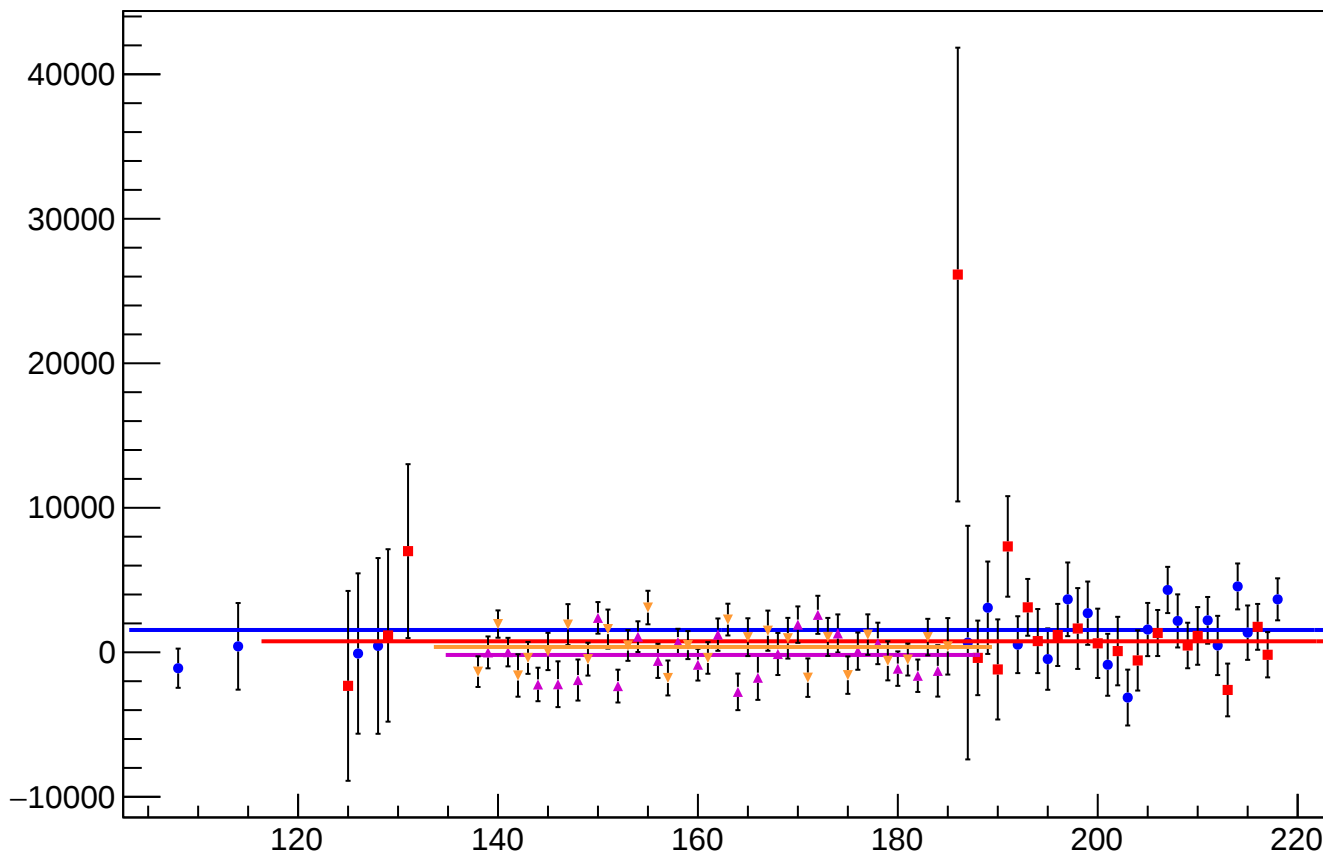
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF:199542.3/22

+ sign 142.599 $\pm$ 0.017 χ^2 /NDF: 3657869.1/57

All: 141.673 $\pm$ 0.012 χ^2 /NDF: 8922119.8/116

- sign 140.738 $\pm$ 0.017 χ^2 /NDF: 5258376.7/58

asym_sam6_correction_mean vs Slug



Right In: 1544.987 ± 451.277 χ^2/NDF : 22.9/19

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 762.247 ± 503.748 χ^2/NDF : 14.4/19

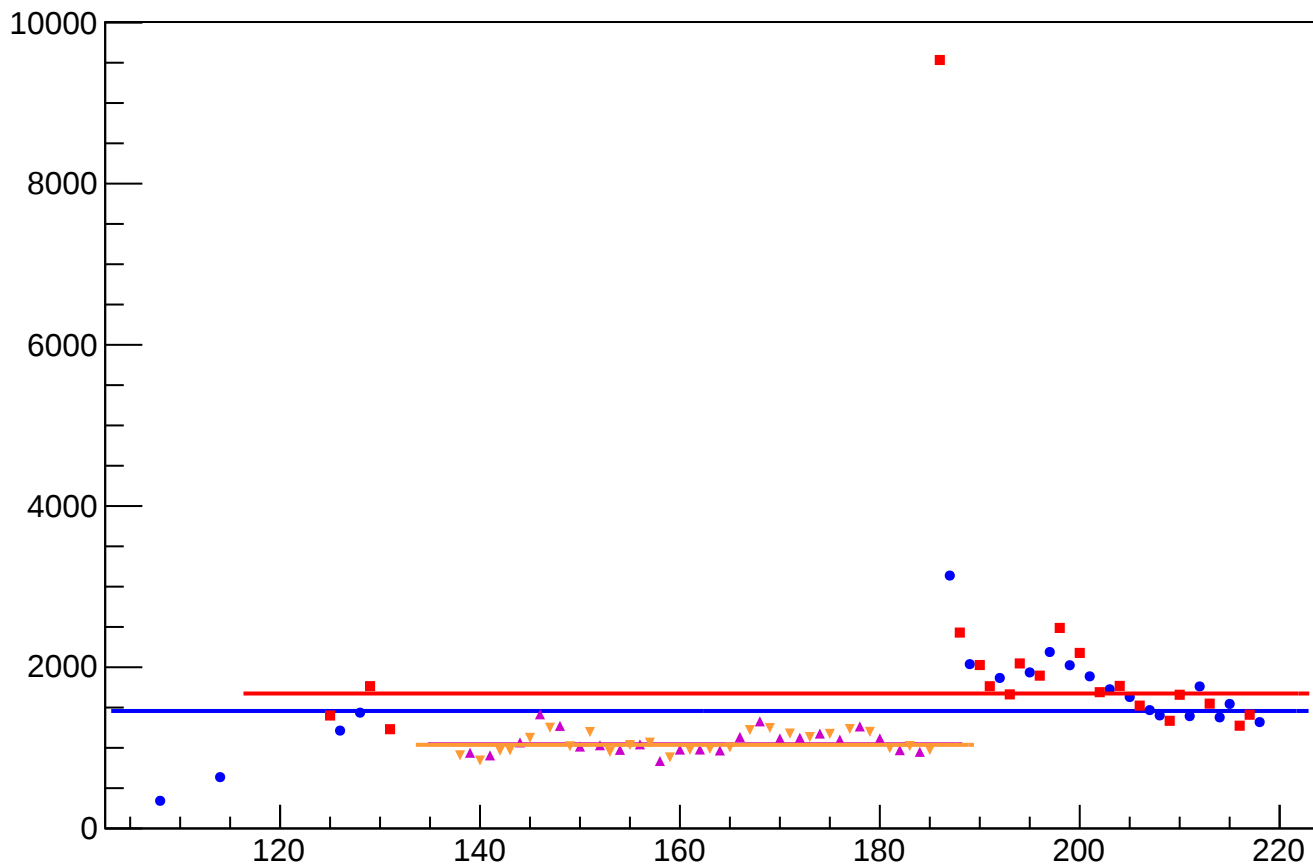
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 634.988 ± 214.309 χ^2/NDF : 58.6/44

All: 336.771 ± 155.364 χ^2/NDF : 116.4/87

- sign 6.425 ± 225.558 χ^2/NDF : 53.7/42

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: 1674.290+/-0.356 χ^2/NDF : 1352307.8/19

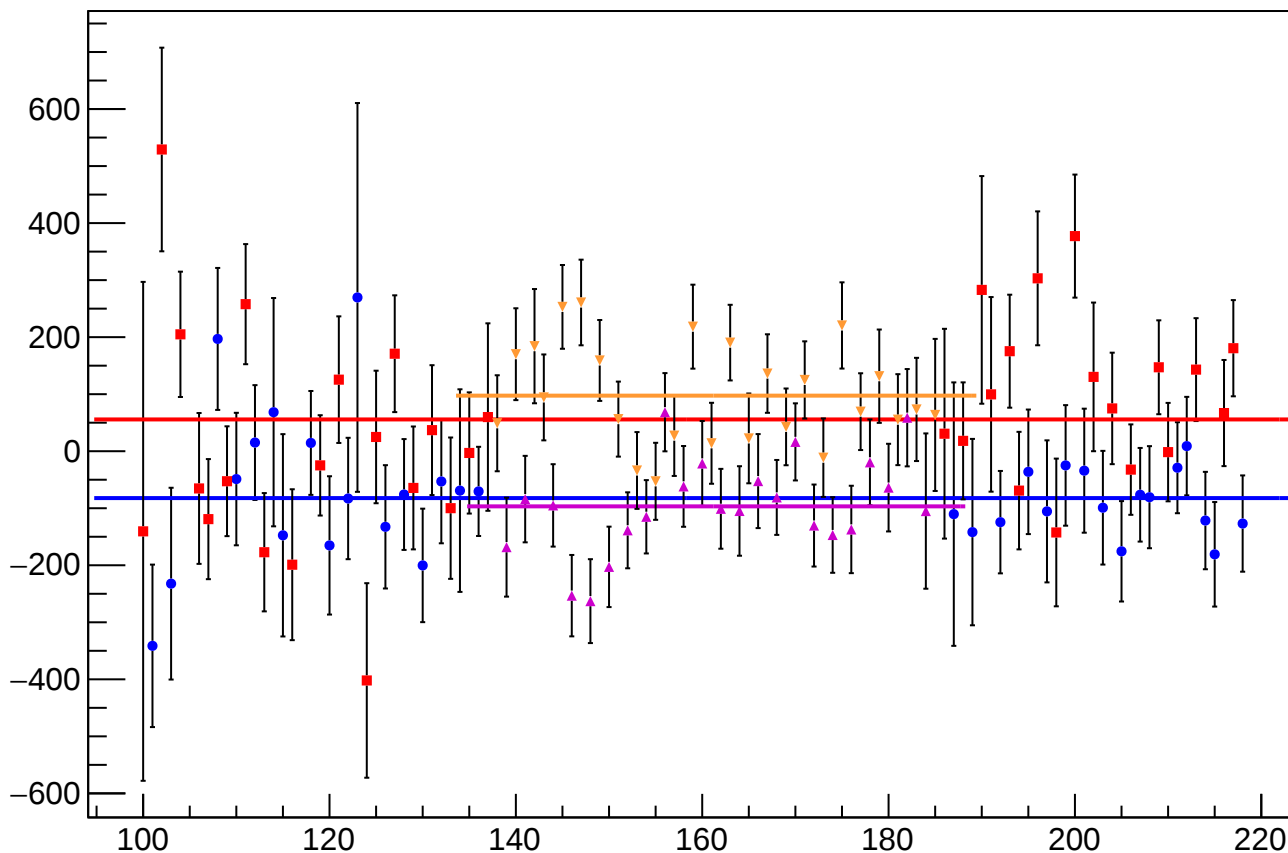
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1132.379+/-0.152 χ^2/NDF : 4192314.6/44

All: 1150.684+/-0.110 χ^2/NDF : 8616049.5/87

- sign 1170.962+/-0.159 χ^2/NDF : 4392979.0/42

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: 55.717 ± 18.366 $\chi^2/\text{NDF}: 65.8/35$

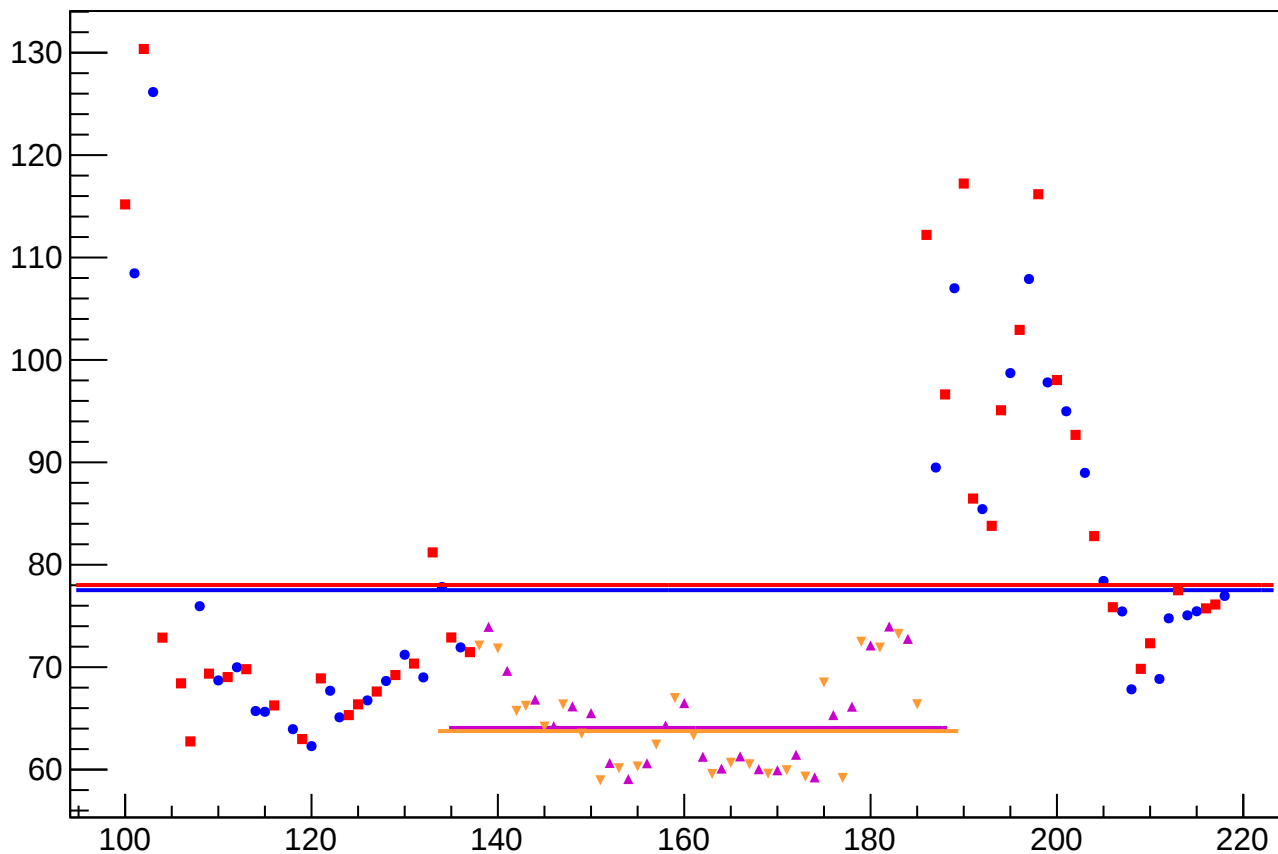
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 26.760 ± 11.588 $\chi^2/\text{NDF}: 114.0/57$

All: -3.068 ± 8.263 $\chi^2/\text{NDF}: 263.1/116$

- sign -33.927 ± 11.787 $\chi^2/\text{NDF}: 135.5/58$

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: 78.021 $\pm$ 0.013 χ^2 /NDF: 1131181.2/35

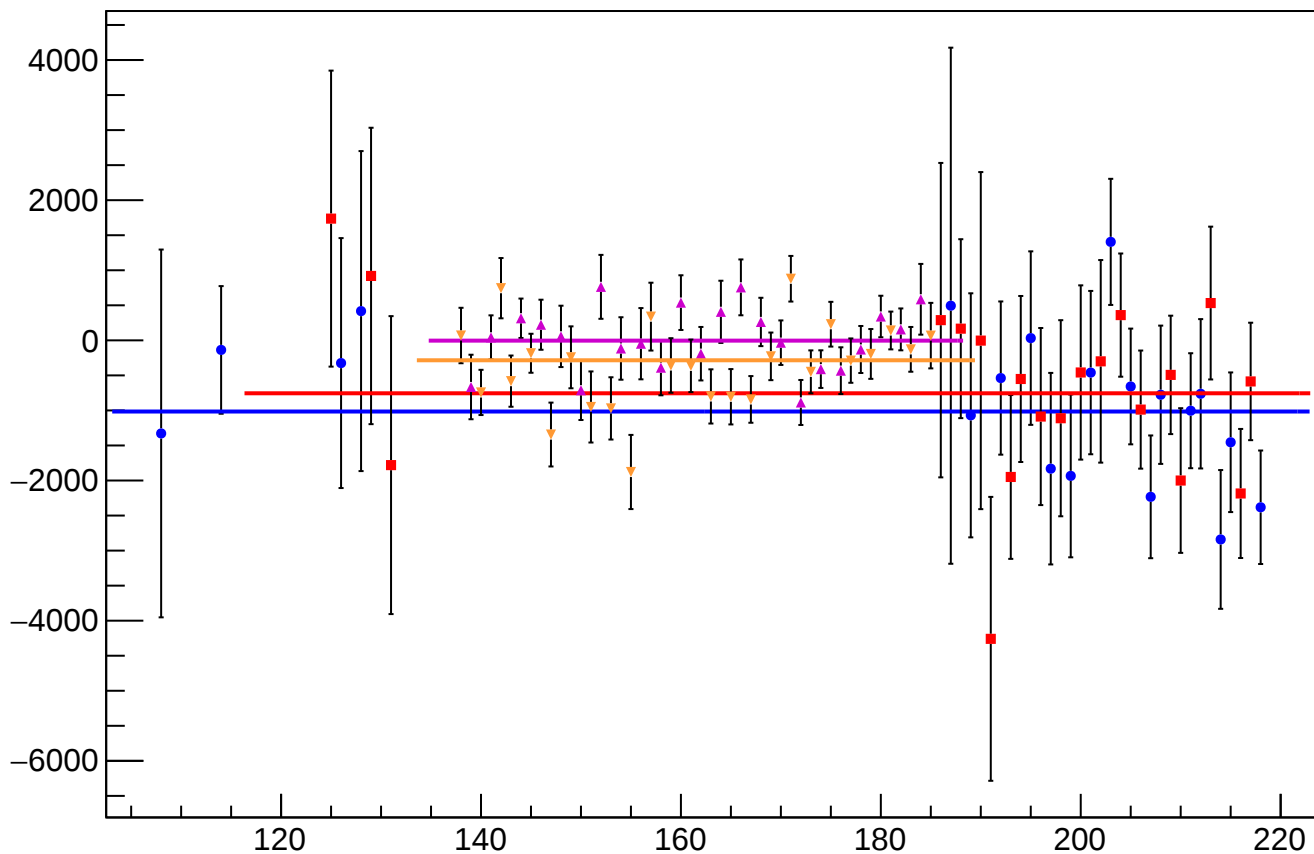
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 69.175 $\pm$ 0.008 χ^2 /NDF: 1814355.6/57

All: 69.490 $\pm$ 0.006 χ^2 /NDF: 3792082.2/116

- sign 69.815 $\pm$ 0.008 χ^2 /NDF: 1974728.2/58

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: -755.279 ± 266.371 χ^2/NDF : 14.5/19

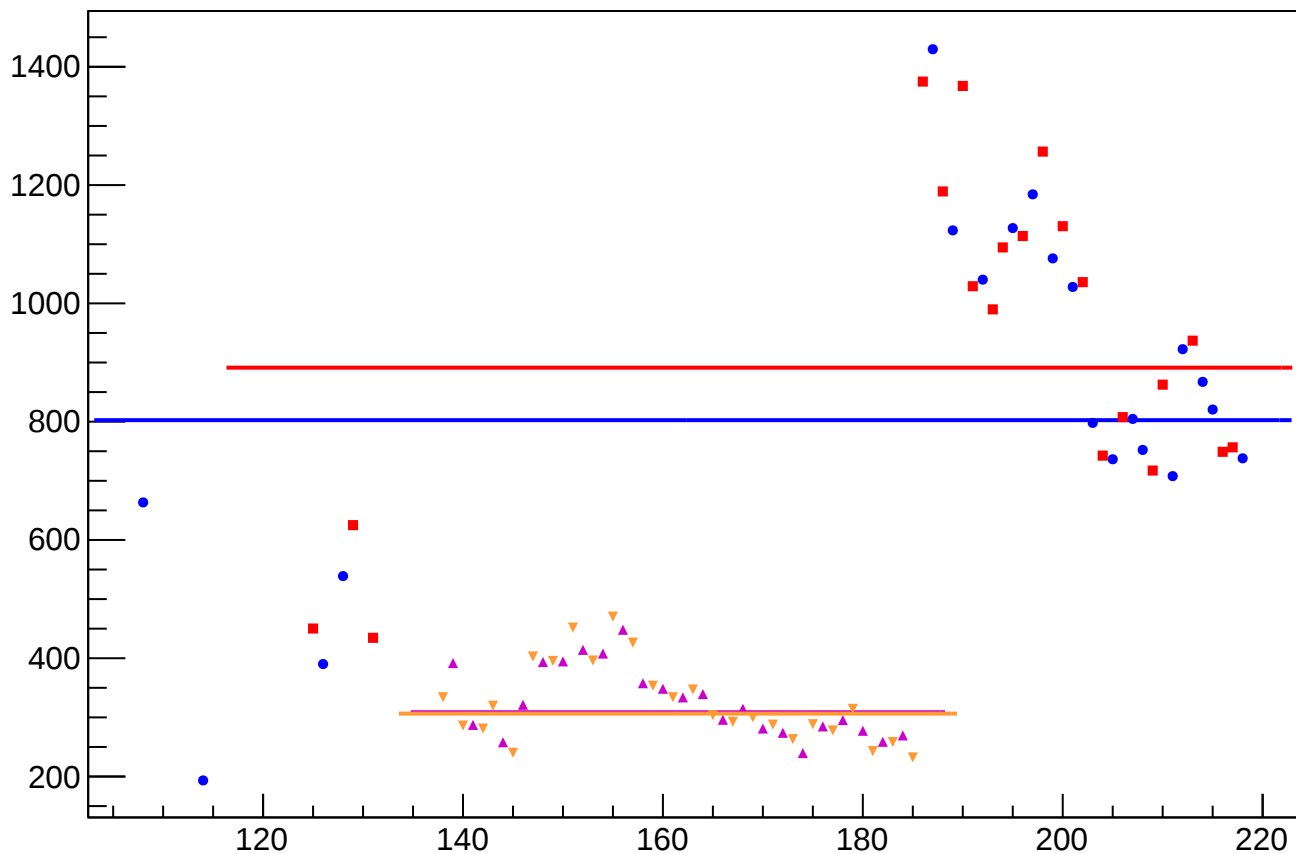
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -343.710 ± 69.715 χ^2/NDF : 83.0/44

All: -206.633 ± 50.174 χ^2/NDF : 145.2/87

- sign -59.334 ± 72.268 χ^2/NDF : 54.3/42

asym_sam7_correction_rms vs Slug



Right In: 802.532+/-0.173 χ^2/NDF : 1826116.4/19

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 891.324+/-0.188 χ^2/NDF : 1132891.9/19

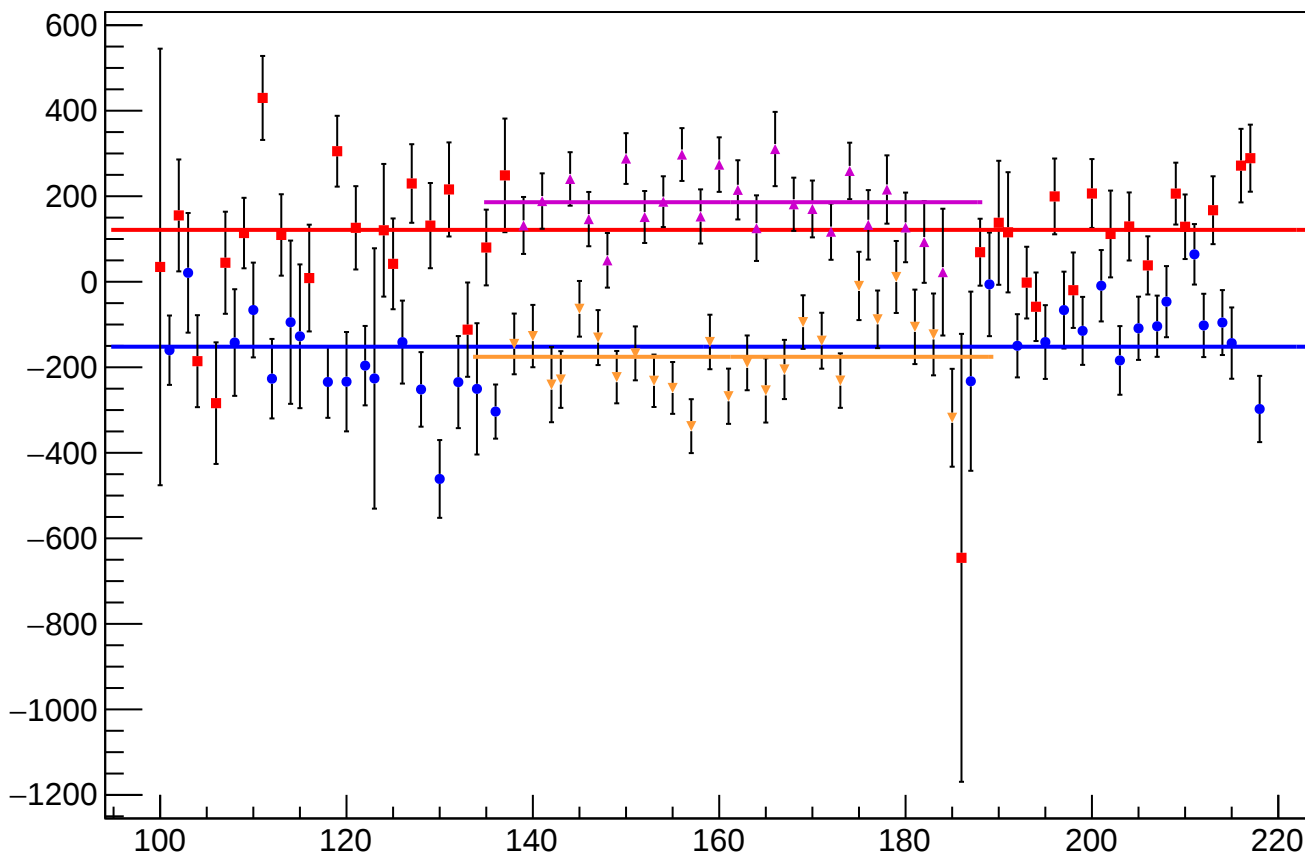
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 346.677+/-0.049 χ^2/NDF : 10604117.0/44

All: 349.055+/-0.035 χ^2/NDF : 21607950.4/87

- sign 351.610+/-0.051 χ^2/NDF : 10999005.7/42

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: 121.334 ± 15.990 χ^2/NDF : 65.8/35

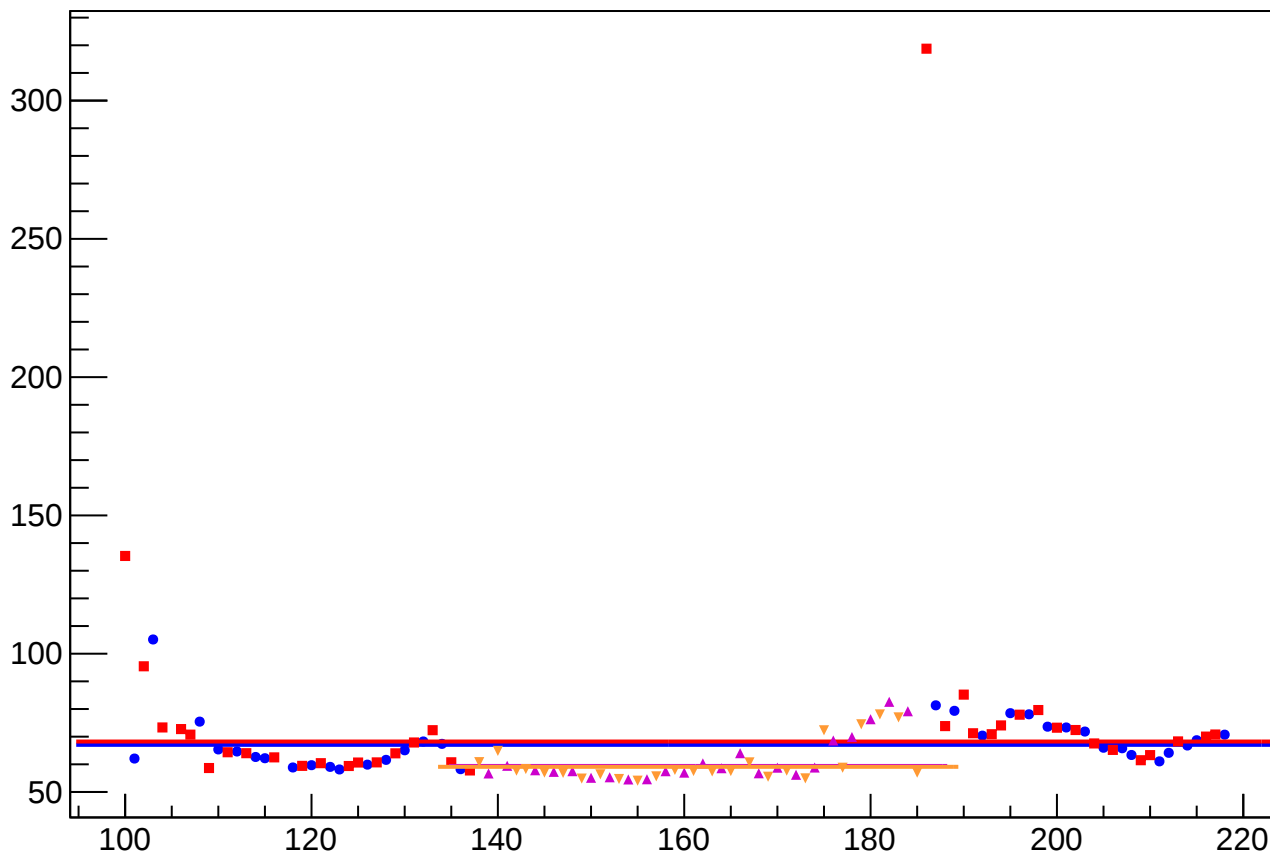
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -165.243 ± 10.424 χ^2/NDF : 82.3/57

All: -7.681 ± 7.455 χ^2/NDF : 648.4/116

- sign 157.257 ± 10.666 χ^2/NDF : 98.5/58

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: 68.243 $\pm$ 0.011 χ^2 /NDF: 875580.6/35

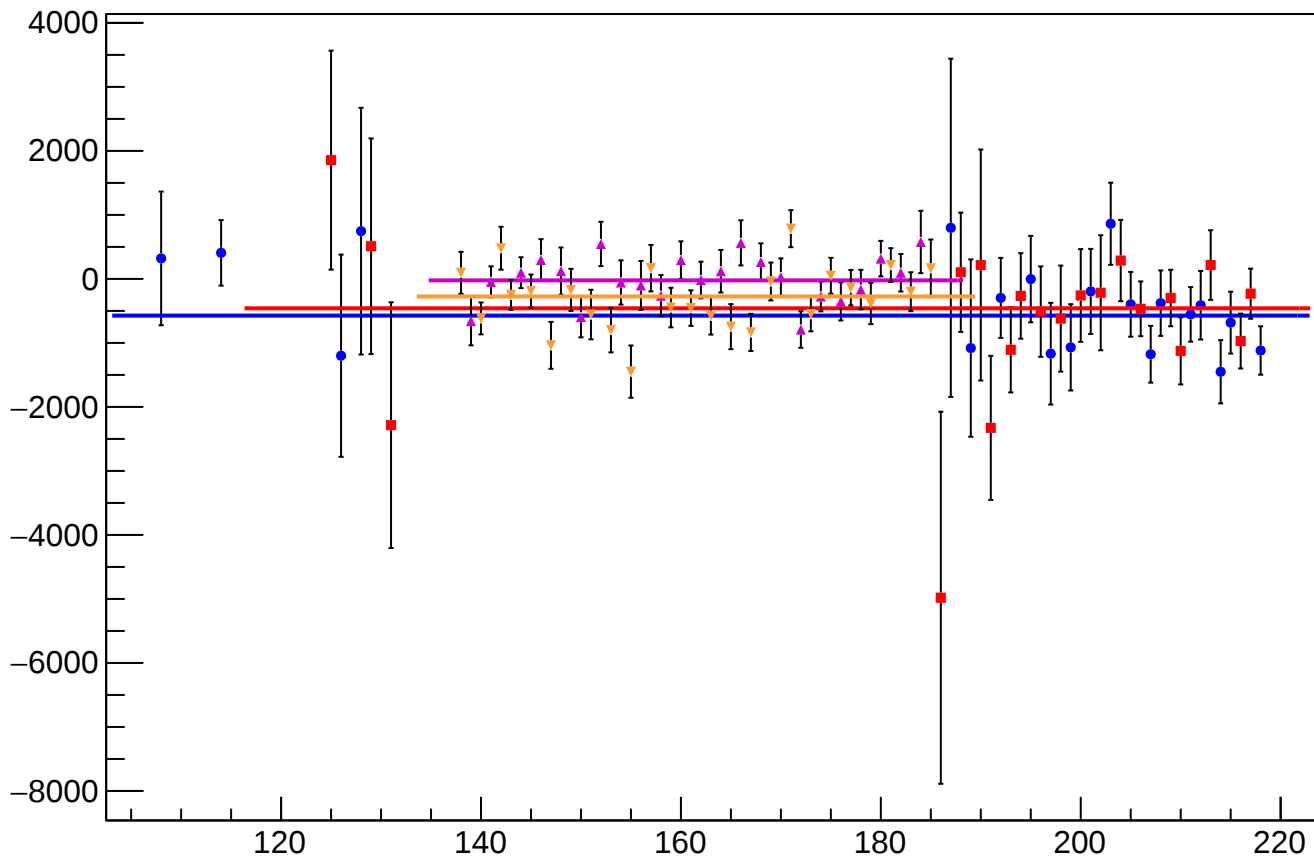
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.541 $\pm$ 0.007 χ^2 /NDF: 1085631.2/57

All: 62.931 $\pm$ 0.005 χ^2 /NDF: 2678778.9/116

- sign 63.340 $\pm$ 0.008 χ^2 /NDF: 1587406.5/58

asym_sam8_correction_mean vs Slug



Right In: -573.040 ± 133.068 χ^2/NDF : 20.3/19

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -458.943 ± 146.615 χ^2/NDF : 16.4/19

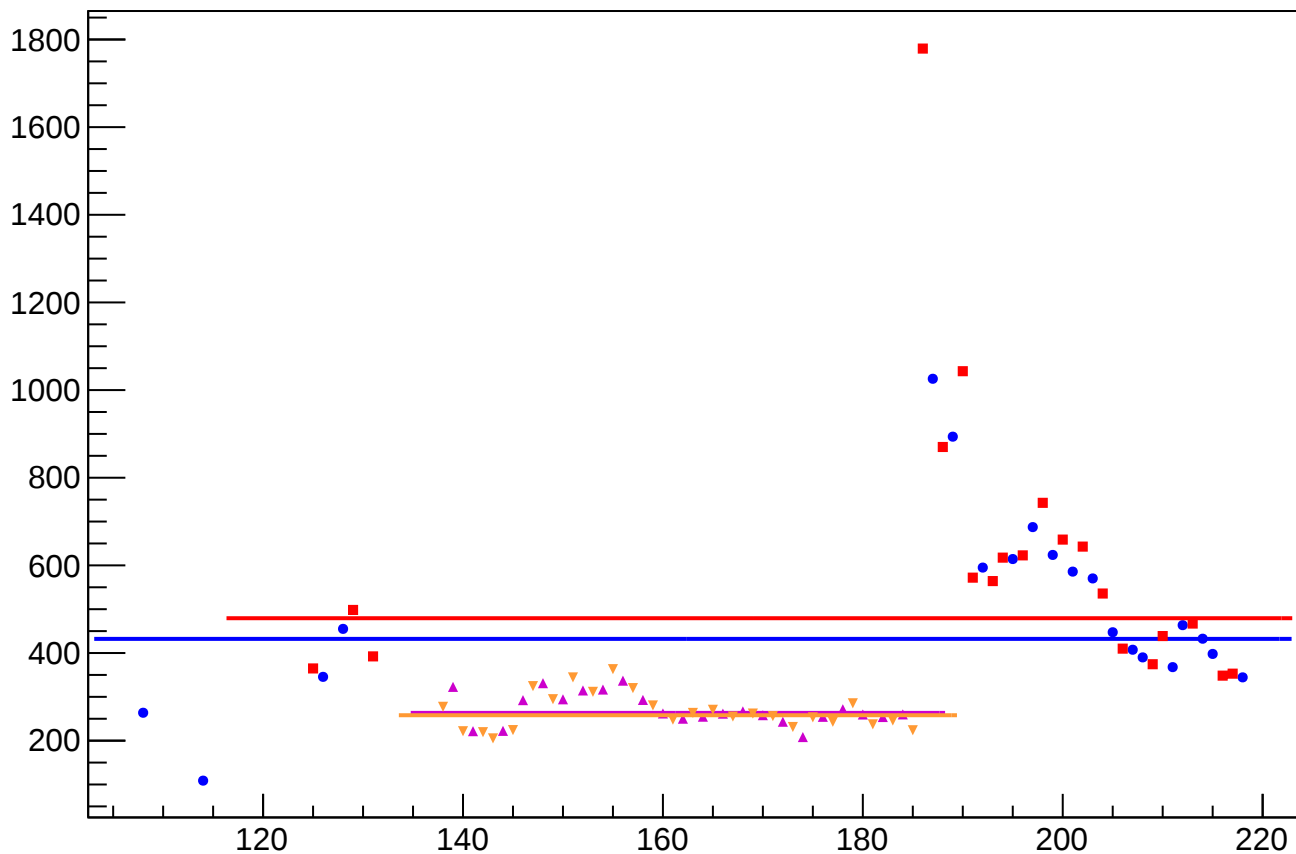
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -325.721 ± 55.300 χ^2/NDF : 78.3/44

All: -215.097 ± 40.148 χ^2/NDF : 139.5/87

- sign -91.809 ± 58.380 χ^2/NDF : 52.7/42

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

Right Out: 479.402+/-0.104 χ^2/NDF : 2155895.1/19

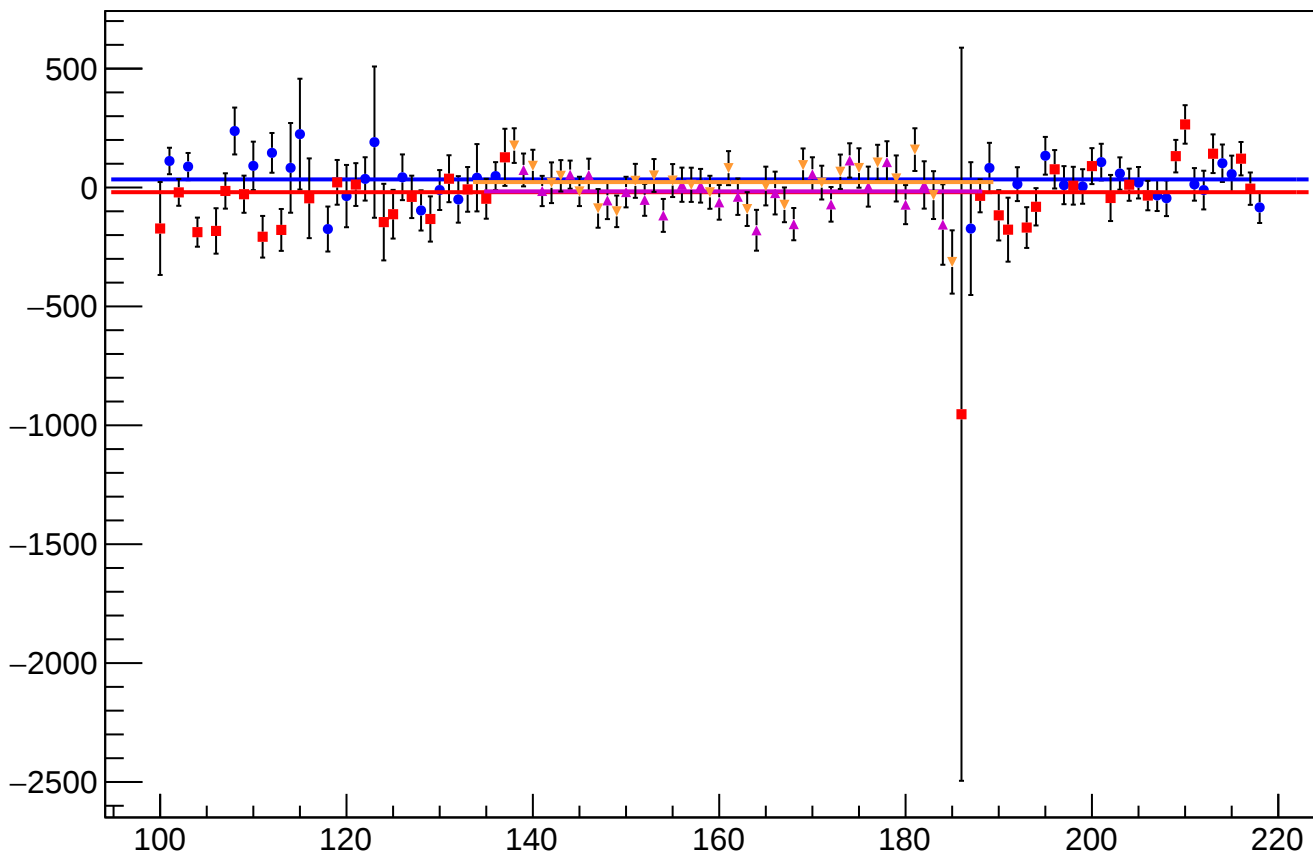
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 288.129+/-0.039 χ^2/NDF : 5779491.3/44

All: 292.629+/-0.028 χ^2/NDF : 12201817.3/87

- sign 297.645+/-0.041 χ^2/NDF : 6394320.4/42

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: -19.656 ± 14.070 χ^2/NDF : 59.6/35

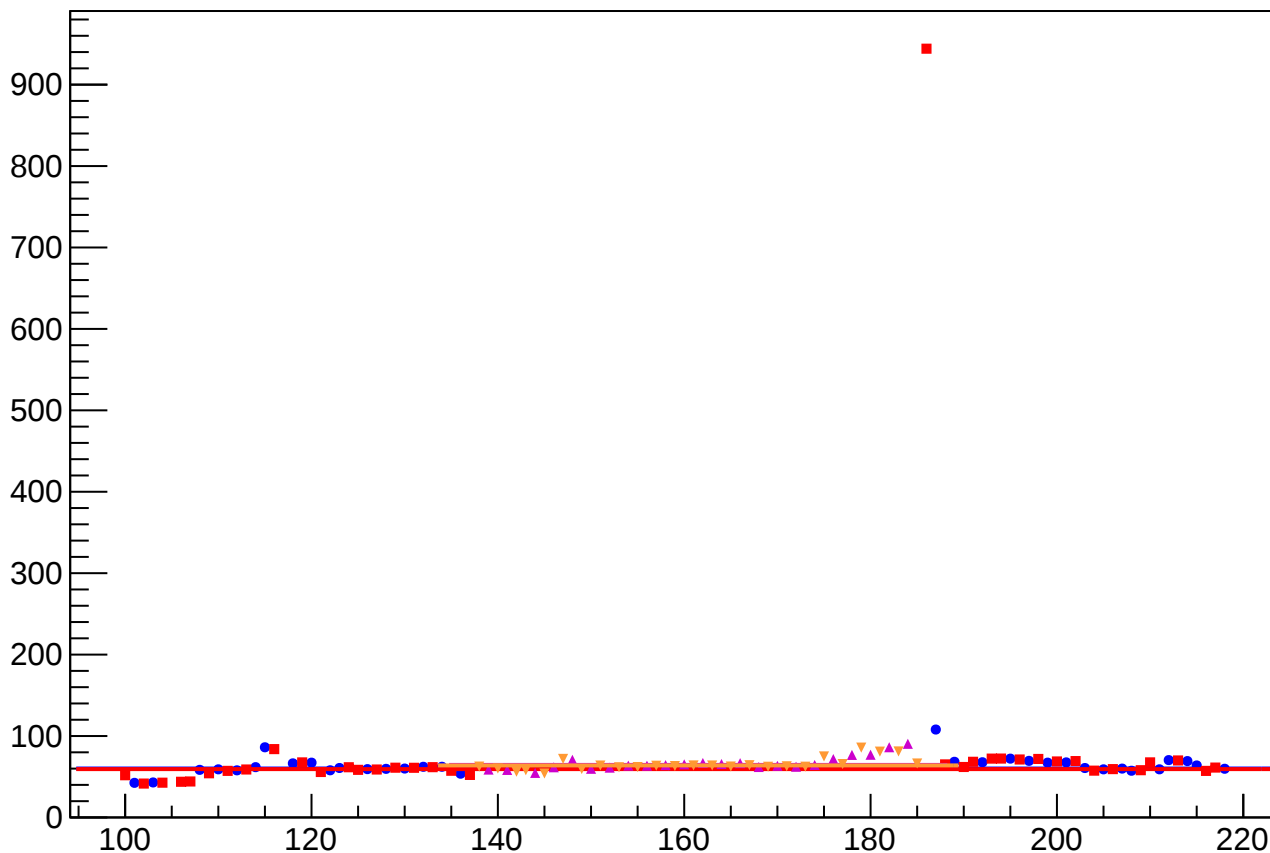
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 28.760 ± 10.330 χ^2/NDF : 58.4/57

All: 5.550 ± 7.339 χ^2/NDF : 151.6/116

- sign -18.098 ± 10.427 χ^2/NDF : 83.0/58

reg_asym_sam_15_avg_rms vs Slug



Right In: 60.086 $\pm$ 0.010 χ^2 /NDF: 722825.1/32

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 59.385 $\pm$ 0.010 χ^2 /NDF: 1556395.6/35

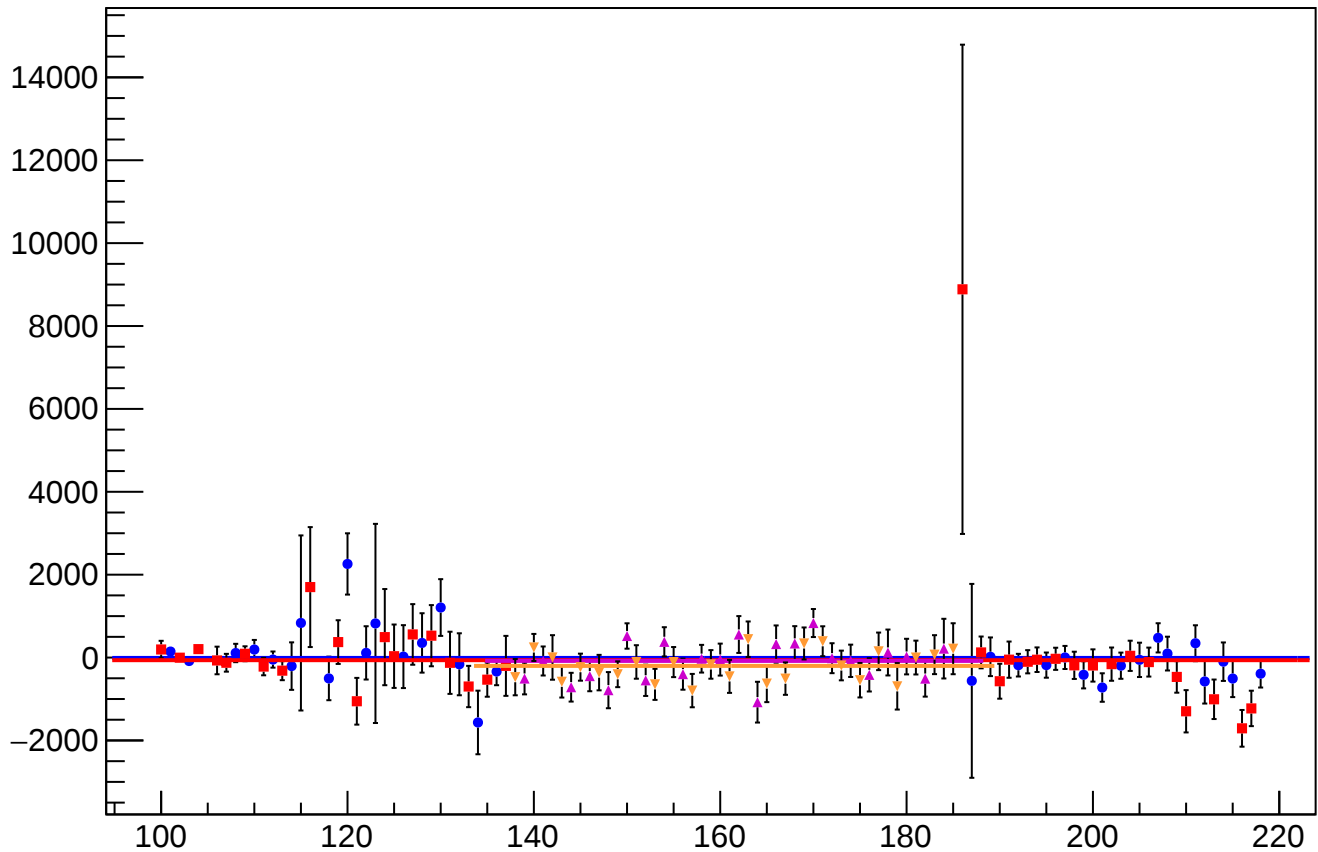
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.912 $\pm$ 0.007 χ^2 /NDF: 1186951.5/57

All: 61.805 $\pm$ 0.005 χ^2 /NDF: 3233933.3/116

- sign 61.696 $\pm$ 0.007 χ^2 /NDF: 2046546.9/58

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: -63.113 ± 46.053 χ^2/NDF : 57.8/35

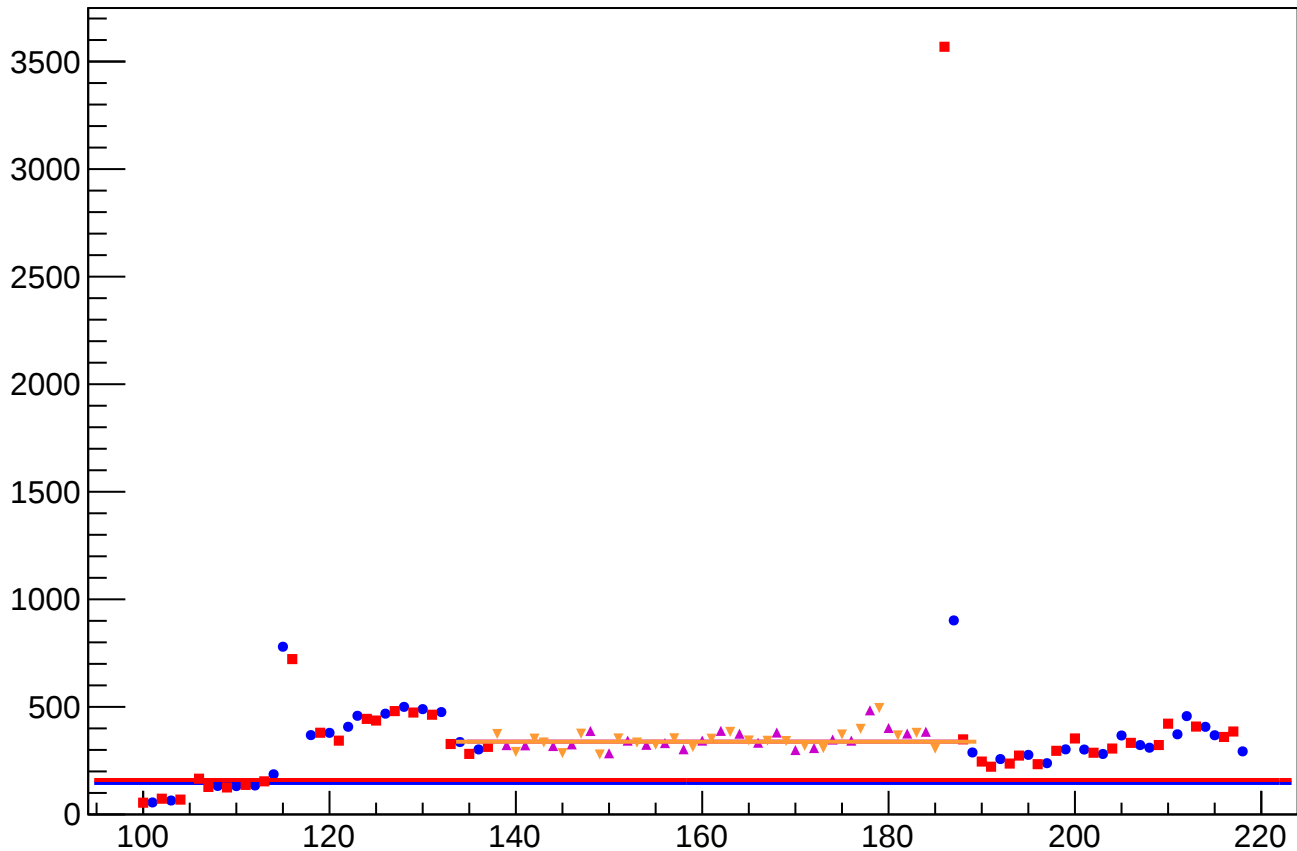
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -55.389 ± 39.187 χ^2/NDF : 62.1/57

All: -61.142 ± 28.036 χ^2/NDF : 153.4/116

- sign -67.175 ± 40.128 χ^2/NDF : 91.3/58

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: 160.198 $\pm$ 0.033 χ^2 /NDF: 12726012.9/35

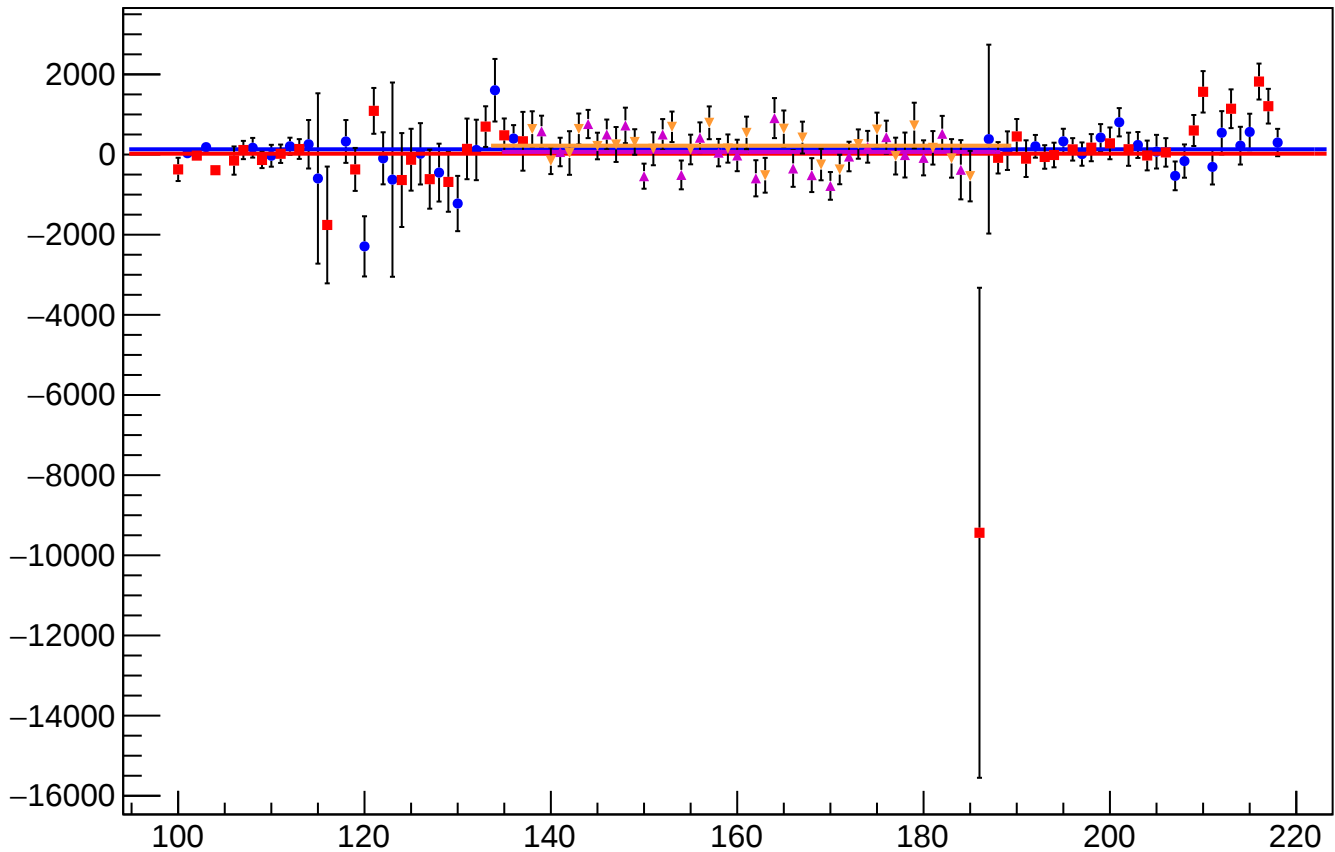
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 192.933 $\pm$ 0.028 χ^2 /NDF: 23604643.3/57

All: 197.916 $\pm$ 0.020 χ^2 /NDF: 44057276.3/11

- sign 203.142 $\pm$ 0.028 χ^2 /NDF: 20386364.0/58

asym_sam_15_avg_mean vs Slug



Right In: 130.967 $\pm$ 52.592 χ^2 /NDF: 33.1/32

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: 20.782 $\pm$ 51.132 χ^2 /NDF: 70.2/35

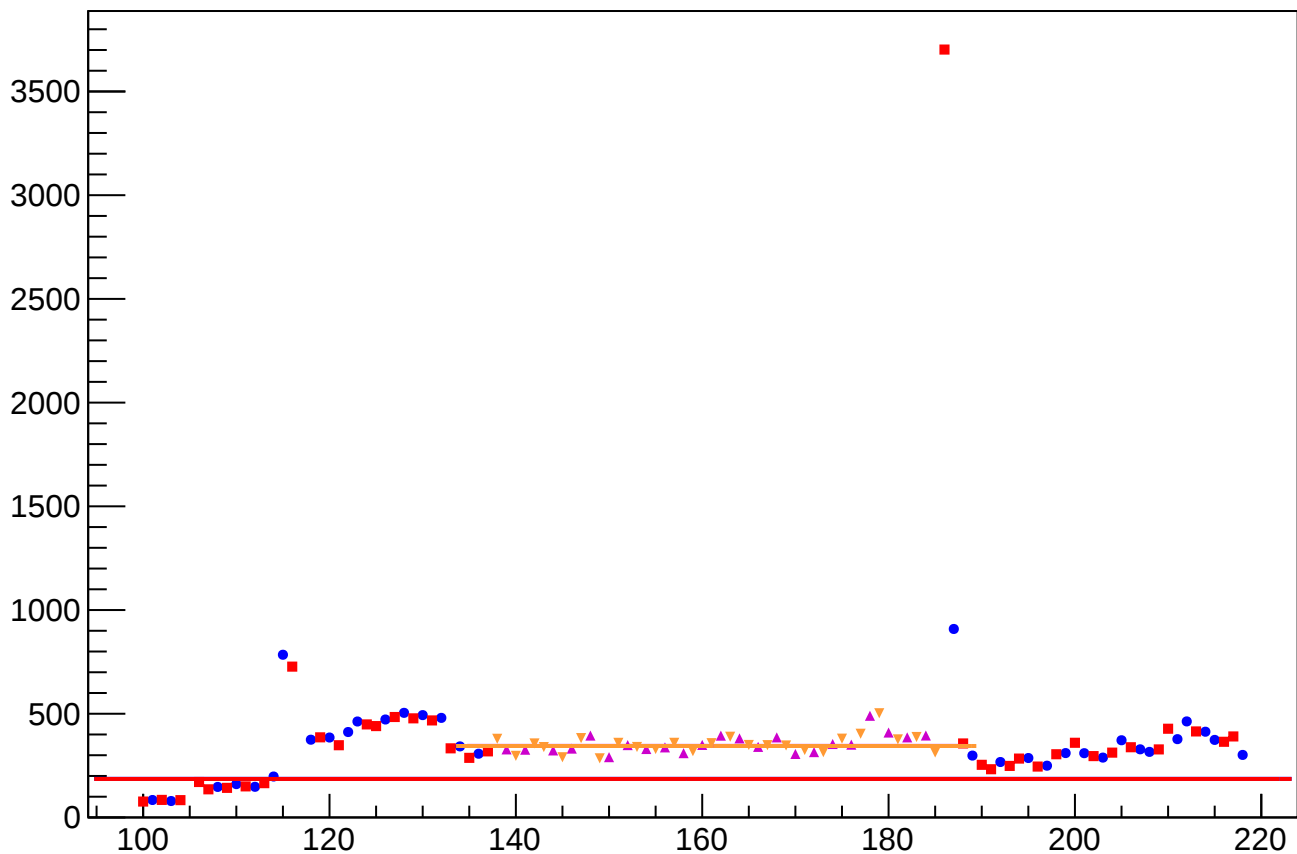
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 157.682 $\pm$ 44.113 χ^2 /NDF: 53.6/57

All: 94.593 $\pm$ 31.002 χ^2 /NDF: 162.0/116

- sign 33.019 $\pm$ 43.580 χ^2 /NDF: 104.4/58

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: 185.595+/-0.036 χ^2/NDF : 10626877.1/35

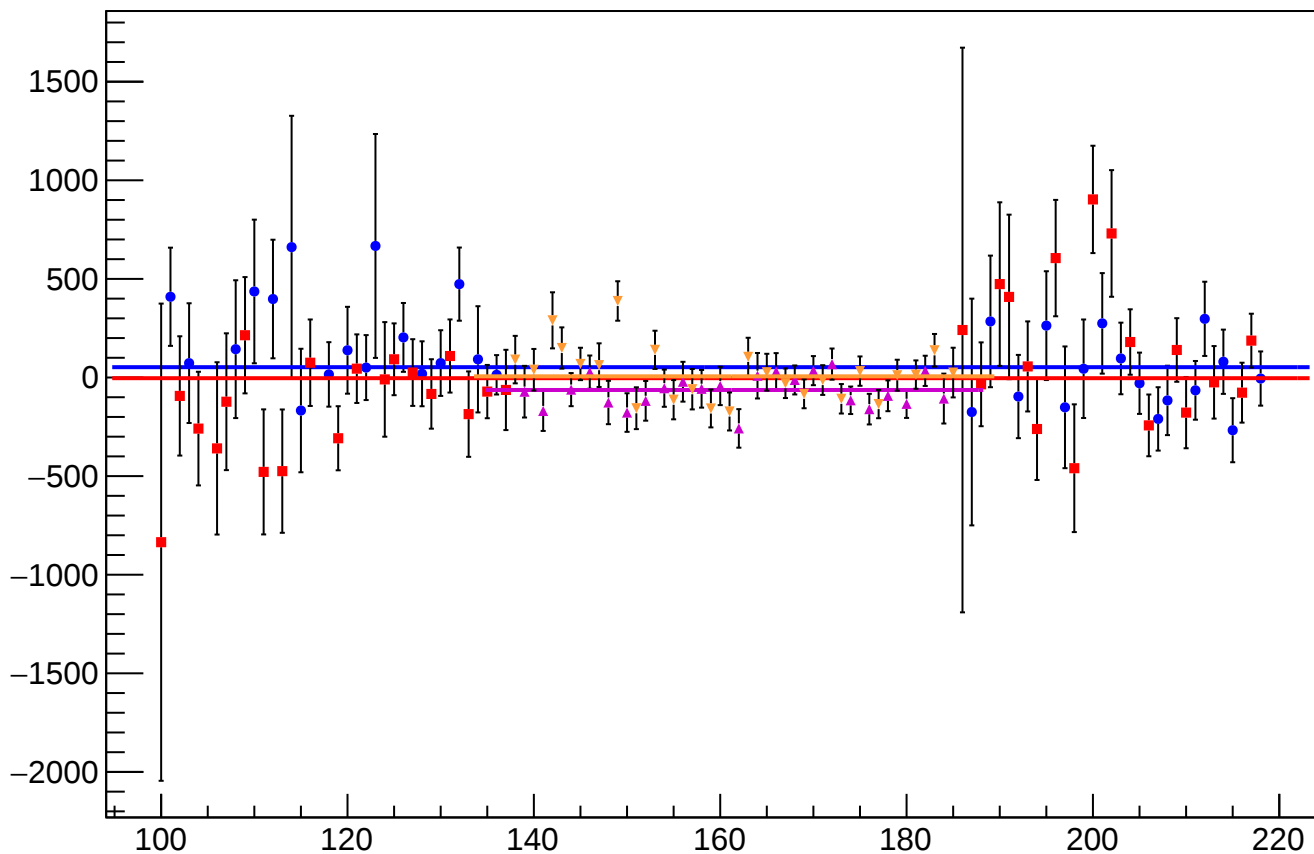
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 233.133+/-0.031 χ^2/NDF : 16556453.3/57

All: 231.151+/-0.022 χ^2/NDF : 32939146.0/1

- sign 229.216+/-0.031 χ^2/NDF : 16374712.2/58

reg_asym_sam_26_avg_mean vs Slug



Right In: 52.385 $\pm$ 34.354 χ^2 /NDF: 26.6/32

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF: 46.0/24

Right Out: -3.475 $\pm$ 35.700 χ^2 /NDF: 46.3/35

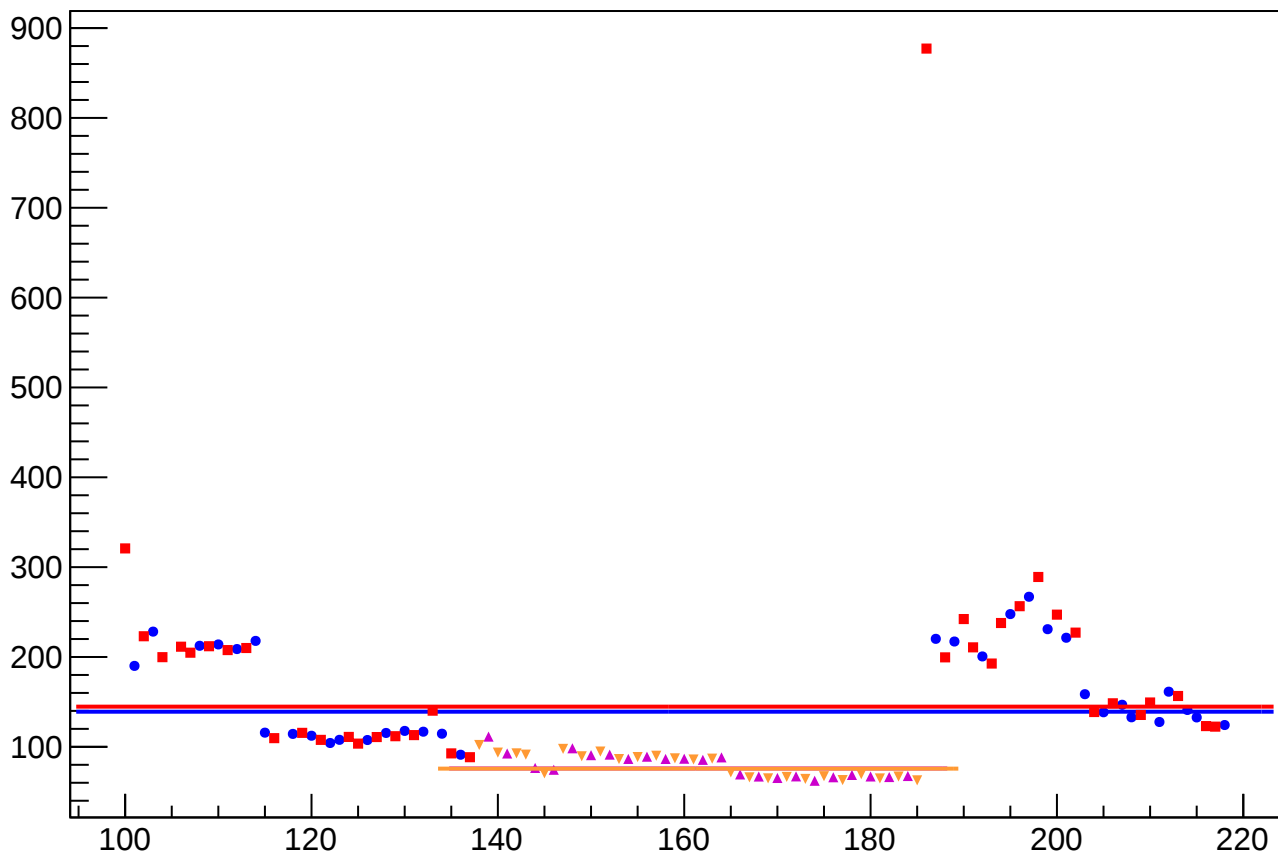
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF: 19.8/22

+ sign 15.928 $\pm$ 15.881 χ^2 /NDF: 74.1/57

All: -16.329 $\pm$ 11.405 χ^2 /NDF: 150.9/116

- sign -50.677 $\pm$ 16.388 χ^2 /NDF: 68.3/58

reg_asym_sam_26_avg_rms vs Slug



Right In: 139.110 $\pm$ 0.024 χ^2 /NDF: 2939937.9/32

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 144.731 $\pm$ 0.025 χ^2 /NDF: 3997685.4/35

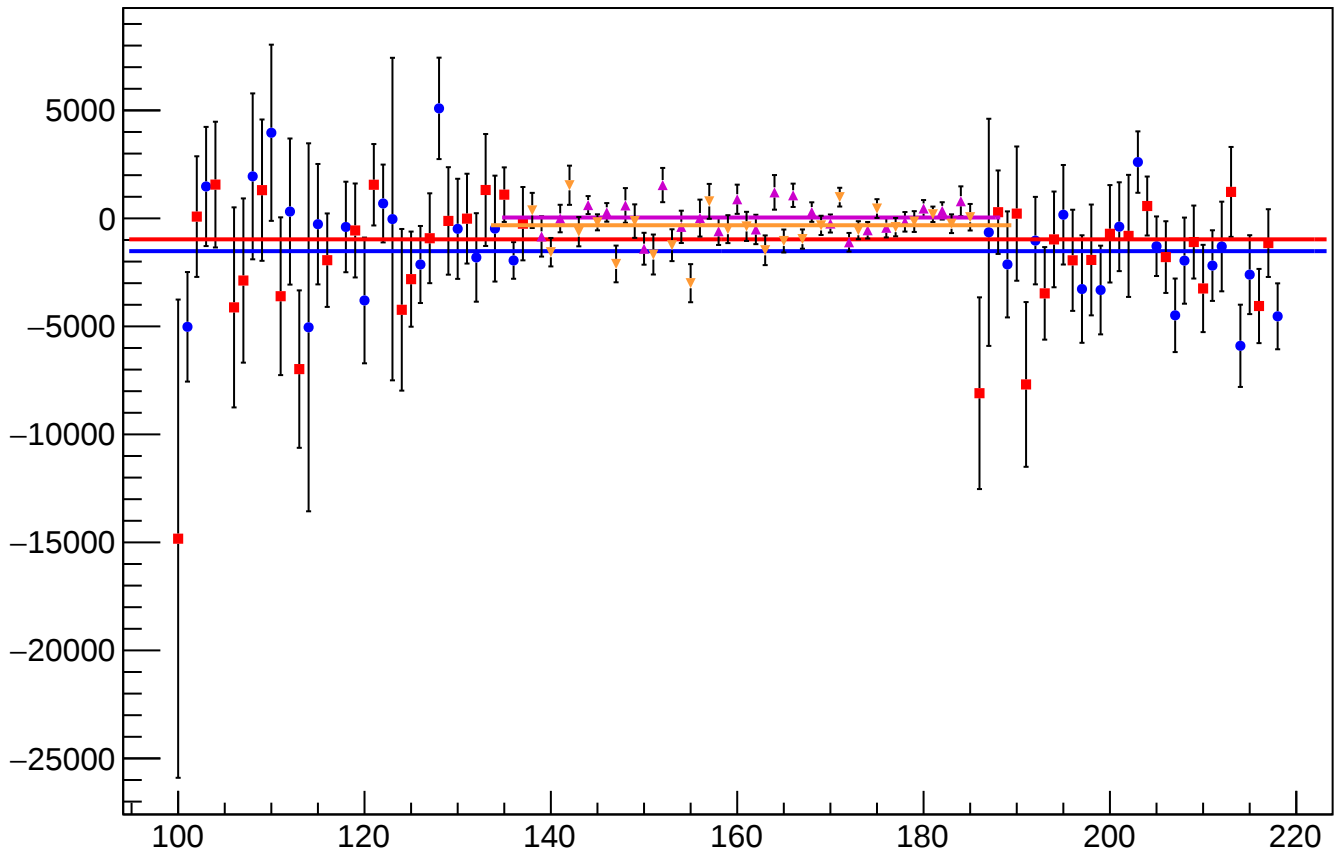
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 89.285 $\pm$ 0.011 χ^2 /NDF: 9228209.1/57

All: 89.830 $\pm$ 0.008 χ^2 /NDF: 19928359.7/116

- sign 90.412 $\pm$ 0.012 χ^2 /NDF: 10695272.2/58

asym_sam_26_avg_correction_mean vs Slug



Right In: -1517.230 ± 347.273 χ^2/NDF : 41.0/32

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -970.100 ± 367.988 χ^2/NDF : 29.5/35

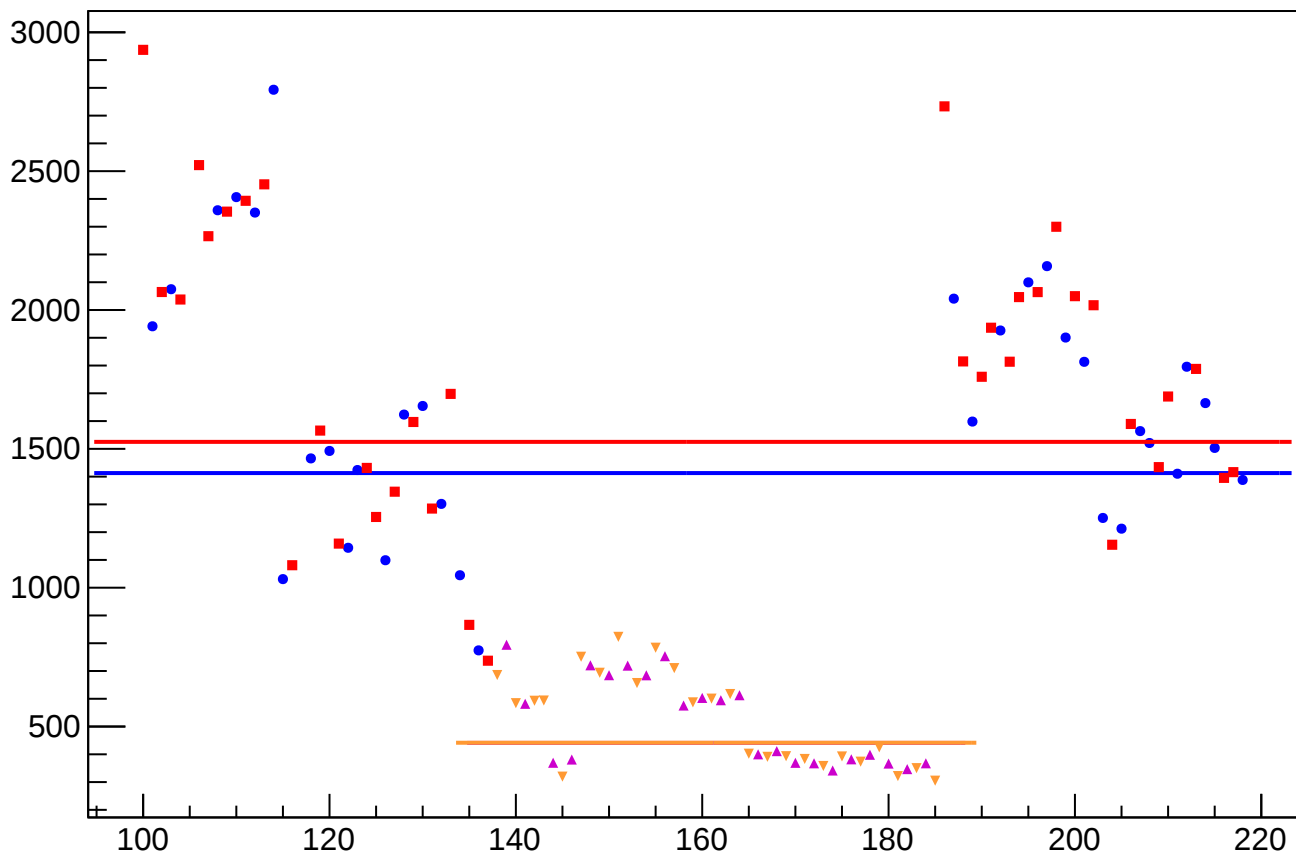
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -423.841 ± 103.140 χ^2/NDF : 101.9/57

All: -237.821 ± 73.790 χ^2/NDF : 179.7/116

- sign -42.769 ± 105.614 χ^2/NDF : 71.1/58

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: 1525.131+/-0.260 χ^2/NDF : 2982678.5/35

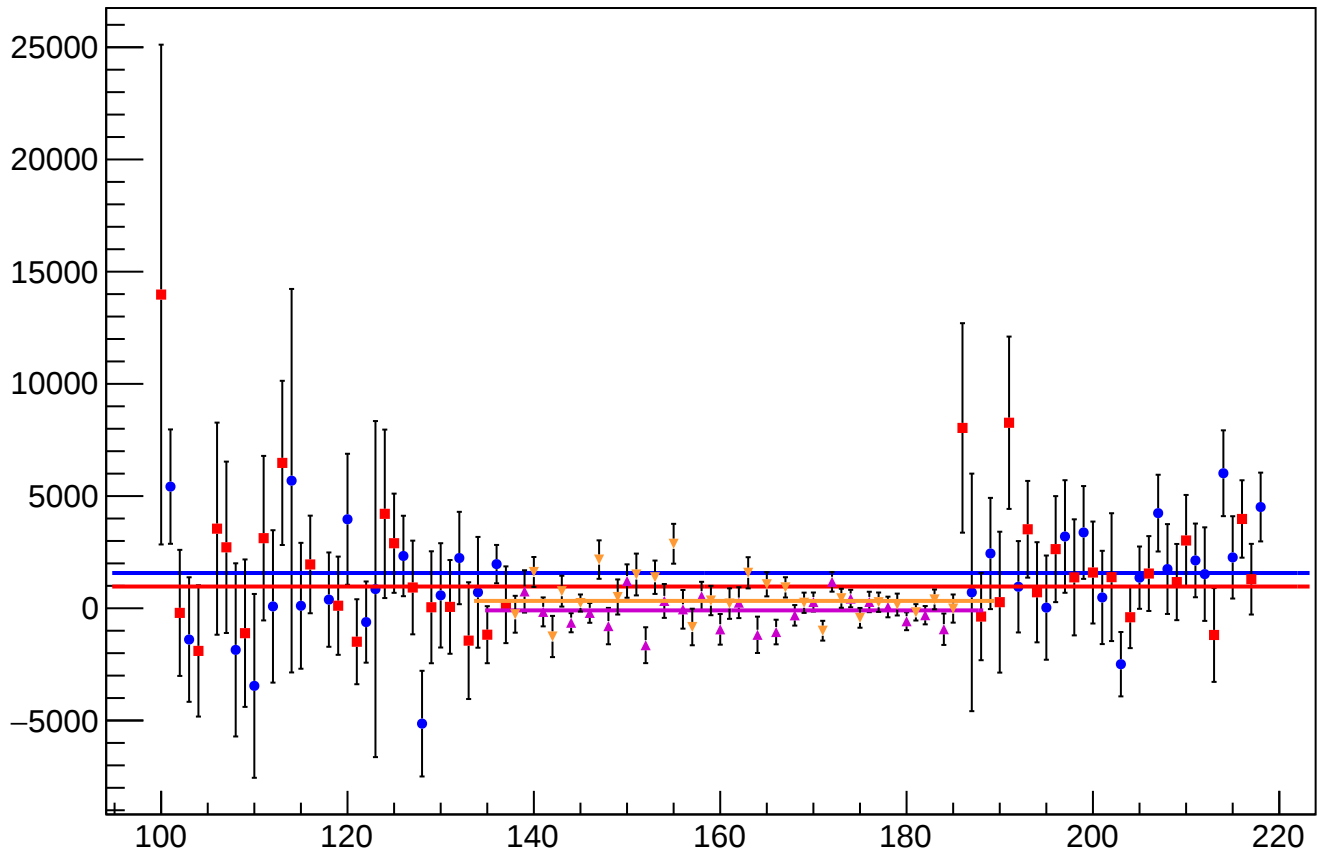
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 527.345+/-0.073 χ^2/NDF : 20359991.0/57

All: 528.792+/-0.052 χ^2/NDF : 41869429.0/11

- sign 530.309+/-0.075 χ^2/NDF : 21508631.8/58

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: 969.512 $\pm$ 370.178 χ^2 /NDF: 28.6/35

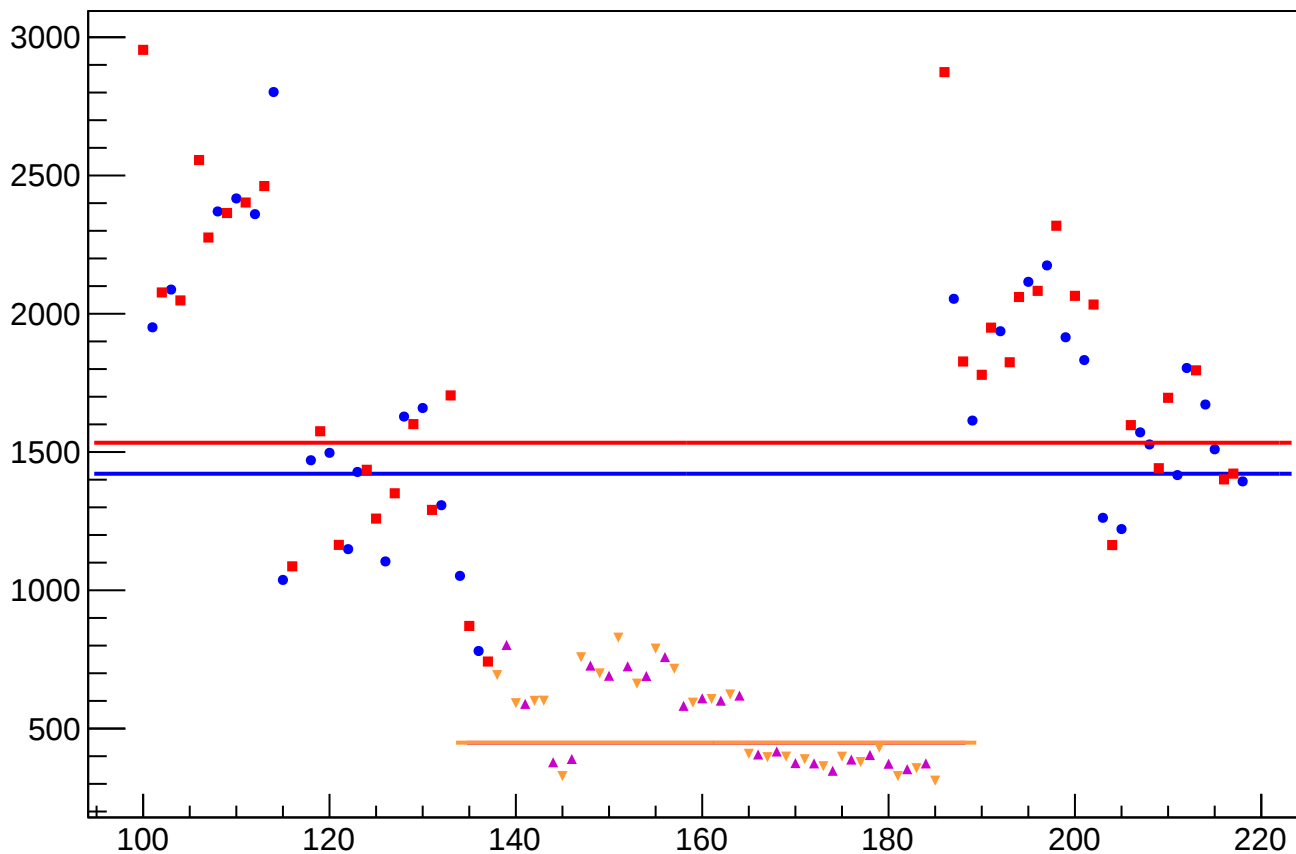
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 440.147 $\pm$ 104.633 χ^2 /NDF: 99.0/57

All: 223.267 $\pm$ 74.866 χ^2 /NDF: 177.3/116

- sign -4.237 $\pm$ 107.166 χ^2 /NDF: 69.5/58

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: 1533.595+/-0.262 χ^2/NDF : 3002617.5/35

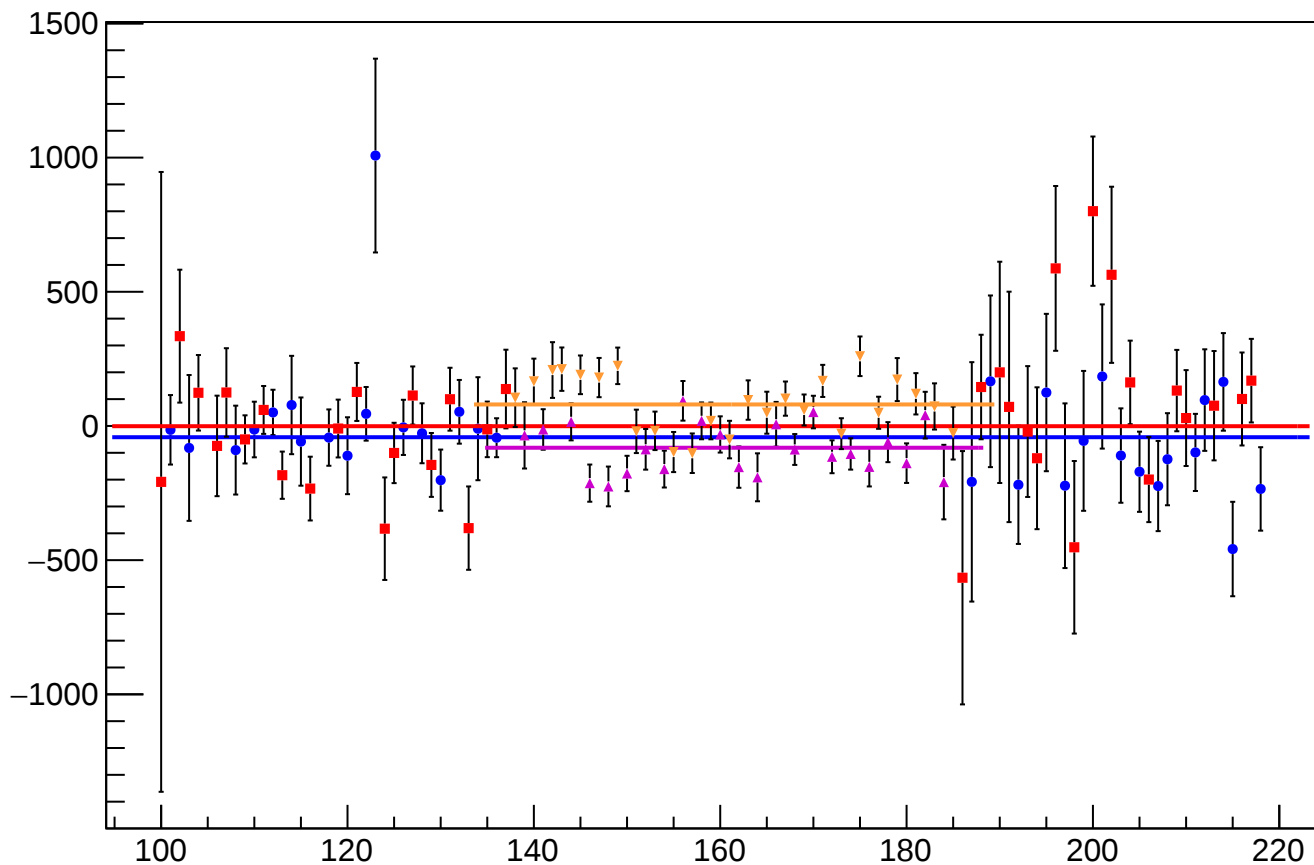
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 536.257+/-0.074 χ^2/NDF : 20117679.6/57

All: 537.724+/-0.053 χ^2/NDF : 41408642.1/11

- sign 539.263+/-0.076 χ^2/NDF : 21290156.5/58

reg_asym_sam_37_avg_mean vs Slug



Right In: -41.915 ± 24.924 χ^2/NDF : 28.1/32

Left Out: 80.171 ± 14.592 χ^2/NDF : 48.6/24

Right Out: -0.879 ± 24.684 χ^2/NDF : 53.2/35

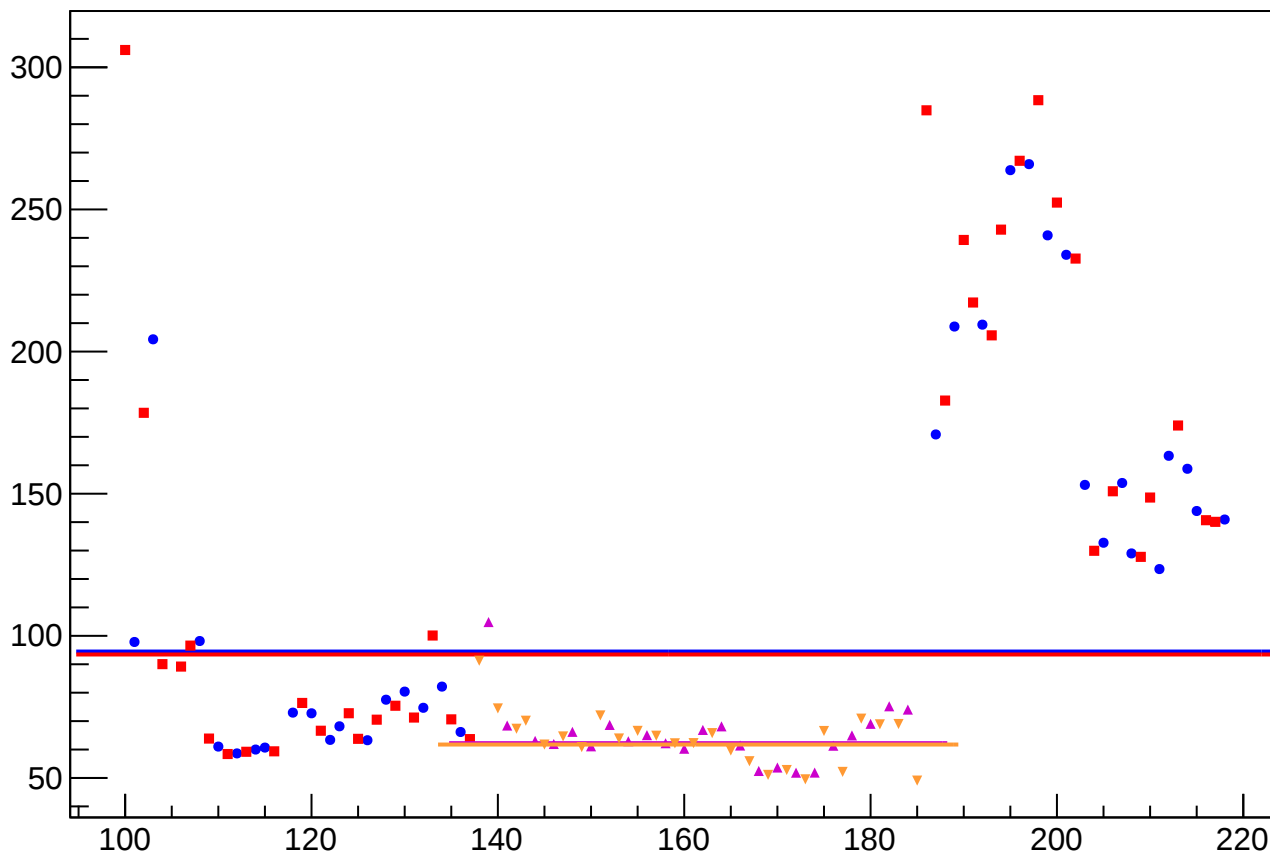
Left In: -81.156 ± 15.105 χ^2/NDF : 35.3/22

+ sign 49.006 ± 12.593 χ^2/NDF : 94.5/57

All: -3.900 ± 9.006 χ^2/NDF : 226.8/116

- sign -59.284 ± 12.884 χ^2/NDF : 96.2/58

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: 93.439 $\pm$ 0.017 χ^2 /NDF: 7951195.3/35

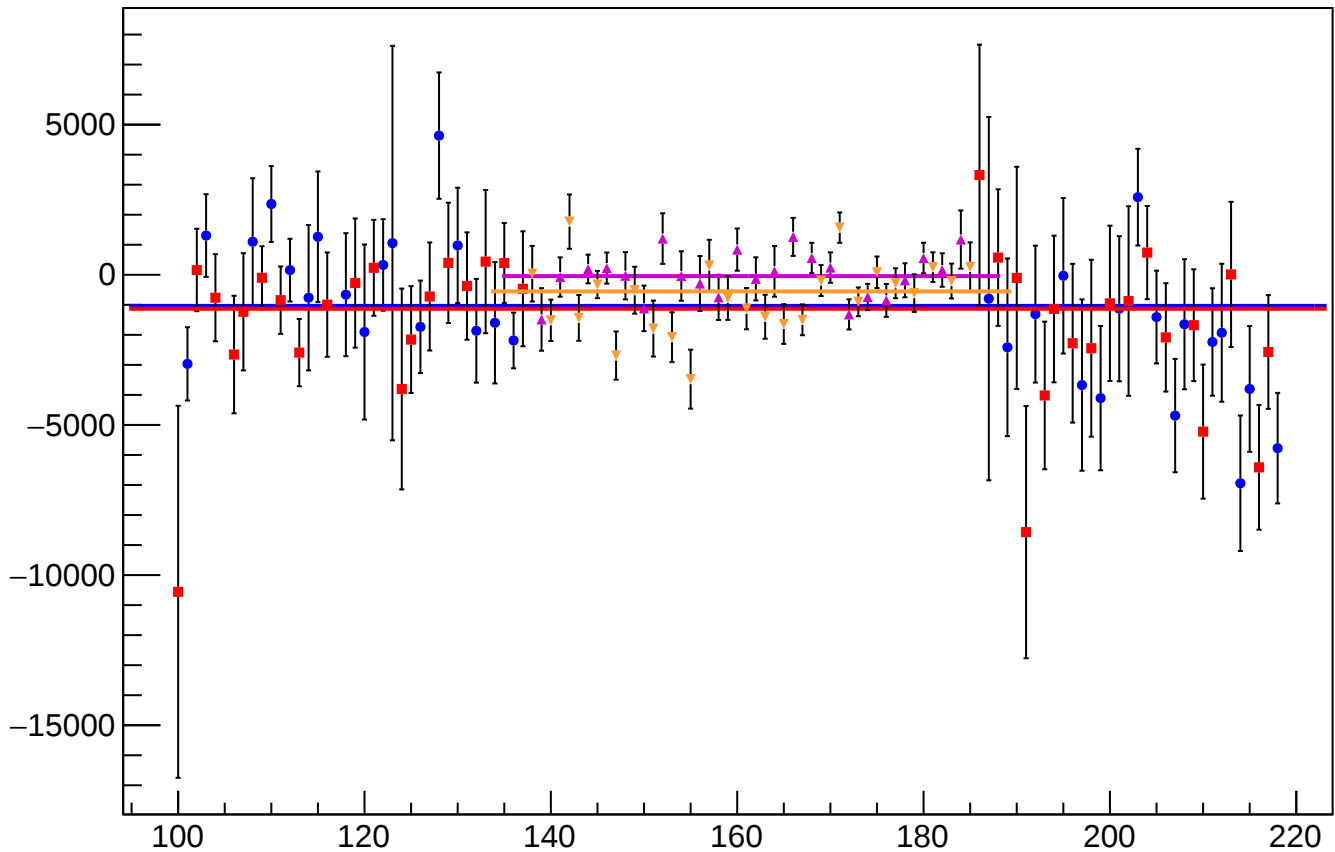
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 70.113 $\pm$ 0.009 χ^2 /NDF: 10164347.6/57

All: 70.423 $\pm$ 0.006 χ^2 /NDF: 21032224.7/116

- sign 70.748 $\pm$ 0.009 χ^2 /NDF: 10865392.9/58

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: -1131.021 ± 310.176 χ^2/NDF : 30.2/35

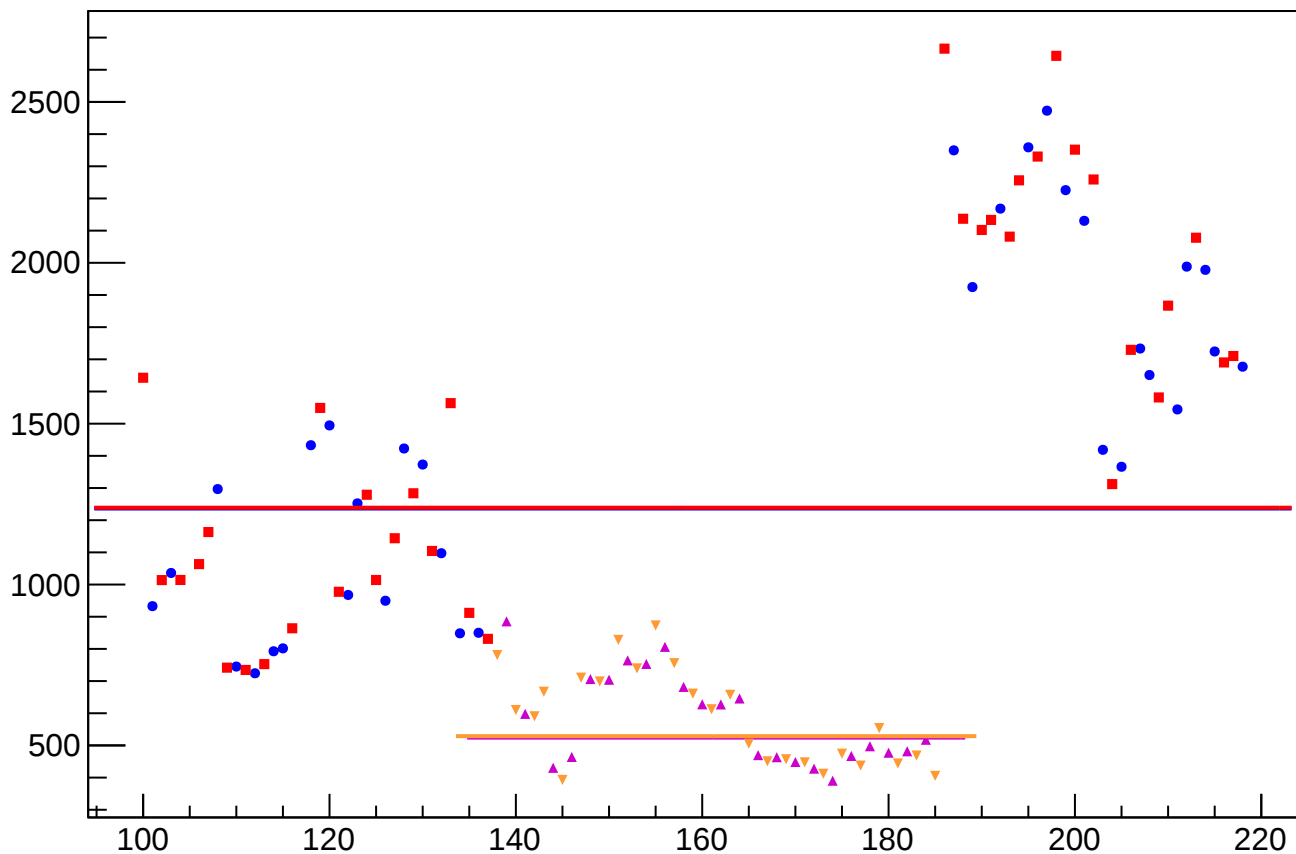
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -621.379 ± 117.600 χ^2/NDF : 122.5/57

All: -415.968 ± 83.710 χ^2/NDF : 198.9/116

- sign -204.987 ± 119.184 χ^2/NDF : 70.2/58

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: 1238.859 $\pm$ 0.219 χ^2 /NDF: 5367230.5/35

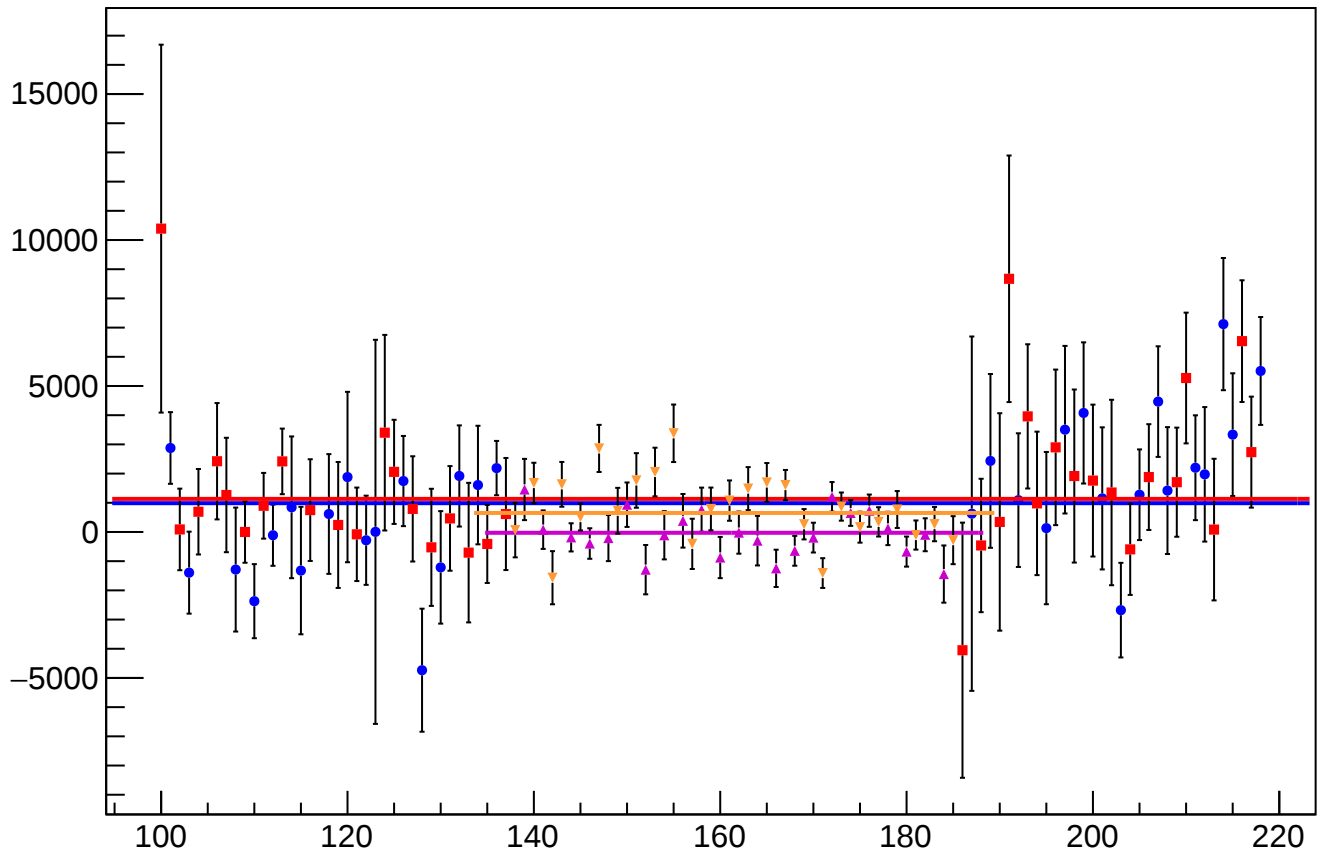
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 629.428 $\pm$ 0.083 χ^2 /NDF: 15385009.1/57

All: 629.599 $\pm$ 0.059 χ^2 /NDF: 31516445.1/11

- sign 629.774 $\pm$ 0.084 χ^2 /NDF: 16131427.4/58

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: 1133.807 ± 311.713 χ^2/NDF : 29.7/35

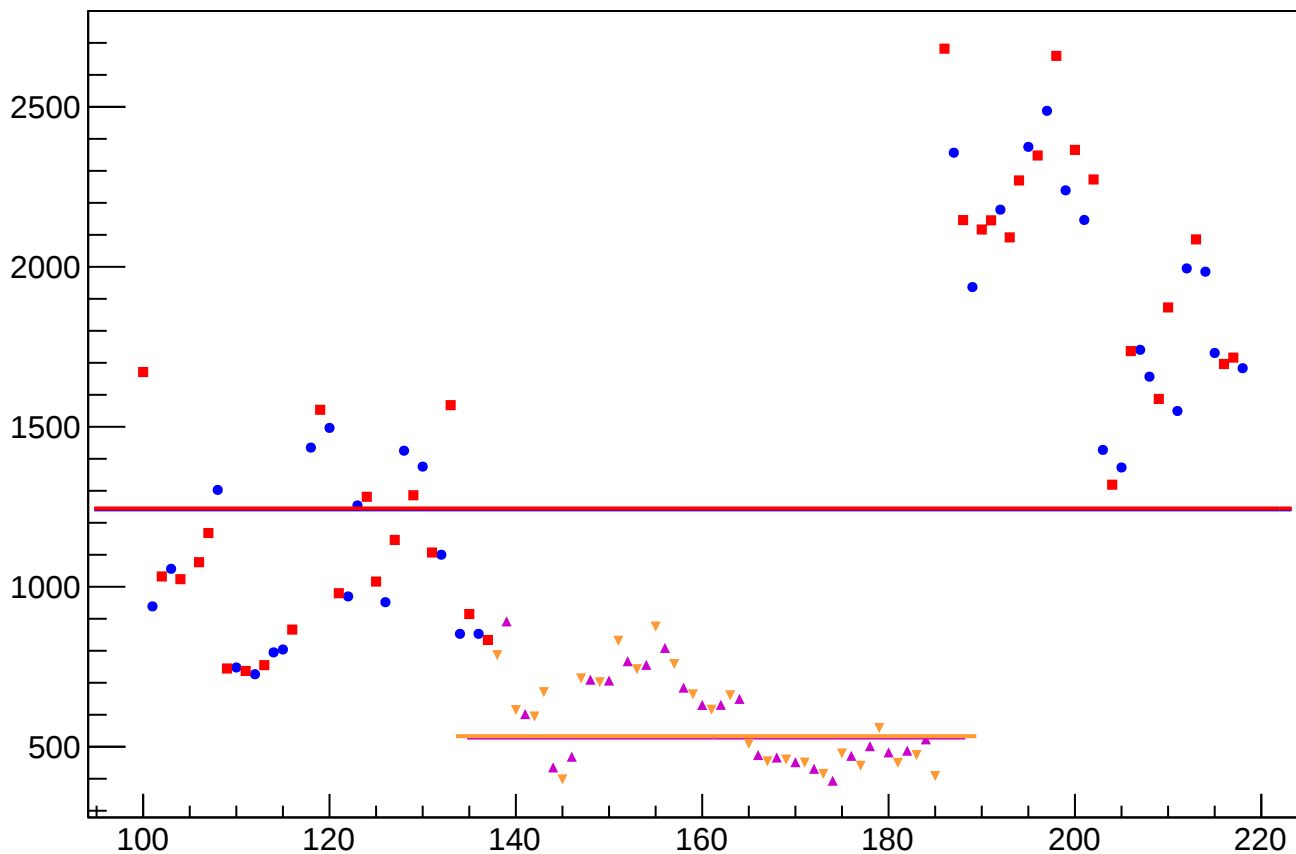
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 699.378 ± 118.455 χ^2/NDF : 116.0/57

All: 425.903 ± 84.330 χ^2/NDF : 196.8/116

- sign 144.860 ± 120.083 χ^2/NDF : 69.9/58

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: 1244.741+/-0.220 χ^2/NDF : 5373220.0/35

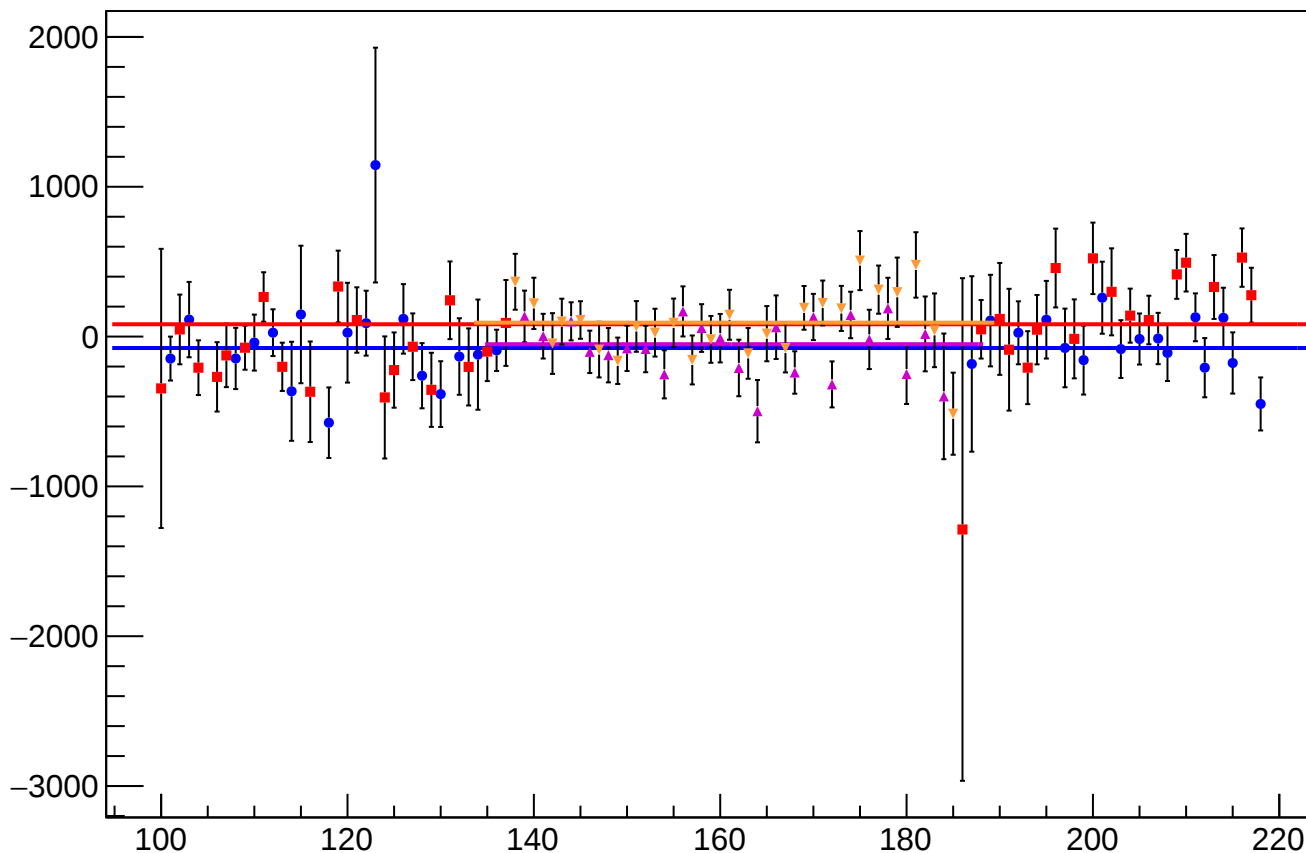
Left In: 528.694+/-0.092 χ^2/NDF :1688511.2/22

+ sign 634.474+/-0.084 χ^2/NDF : 15300272.6/57

All: 634.714+/-0.060 χ^2/NDF : 31349414.3/11

- sign 634.960+/-0.085 χ^2/NDF : 16049125.1/58

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: 82.237 ± 36.994 χ^2/NDF : 48.4/35

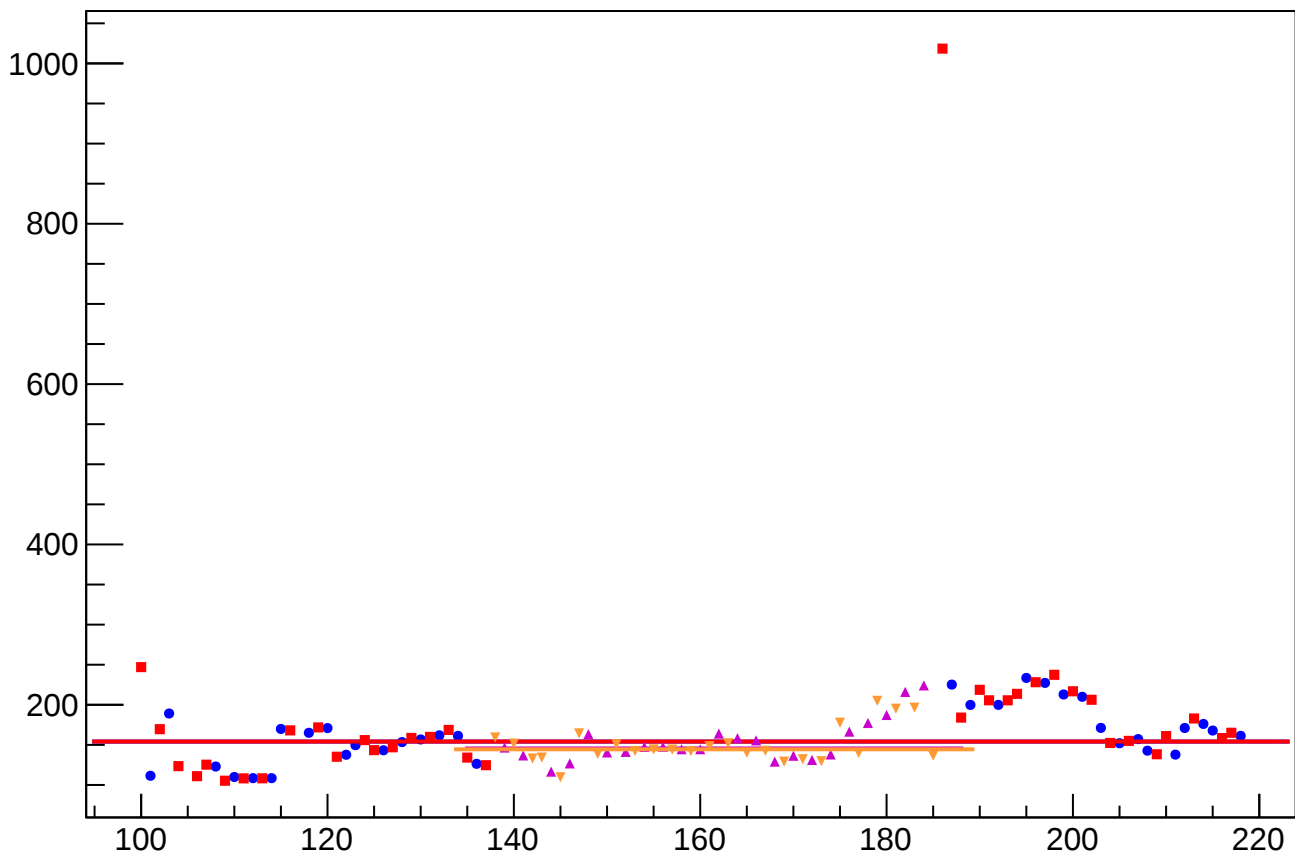
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 15.546 ± 25.086 χ^2/NDF : 65.5/57

All: 14.057 ± 17.894 χ^2/NDF : 144.1/116

- sign 12.514 ± 25.531 χ^2/NDF : 78.6/58

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: 154.176 $\pm$ 0.026 χ^2 /NDF: 2331336.7/35

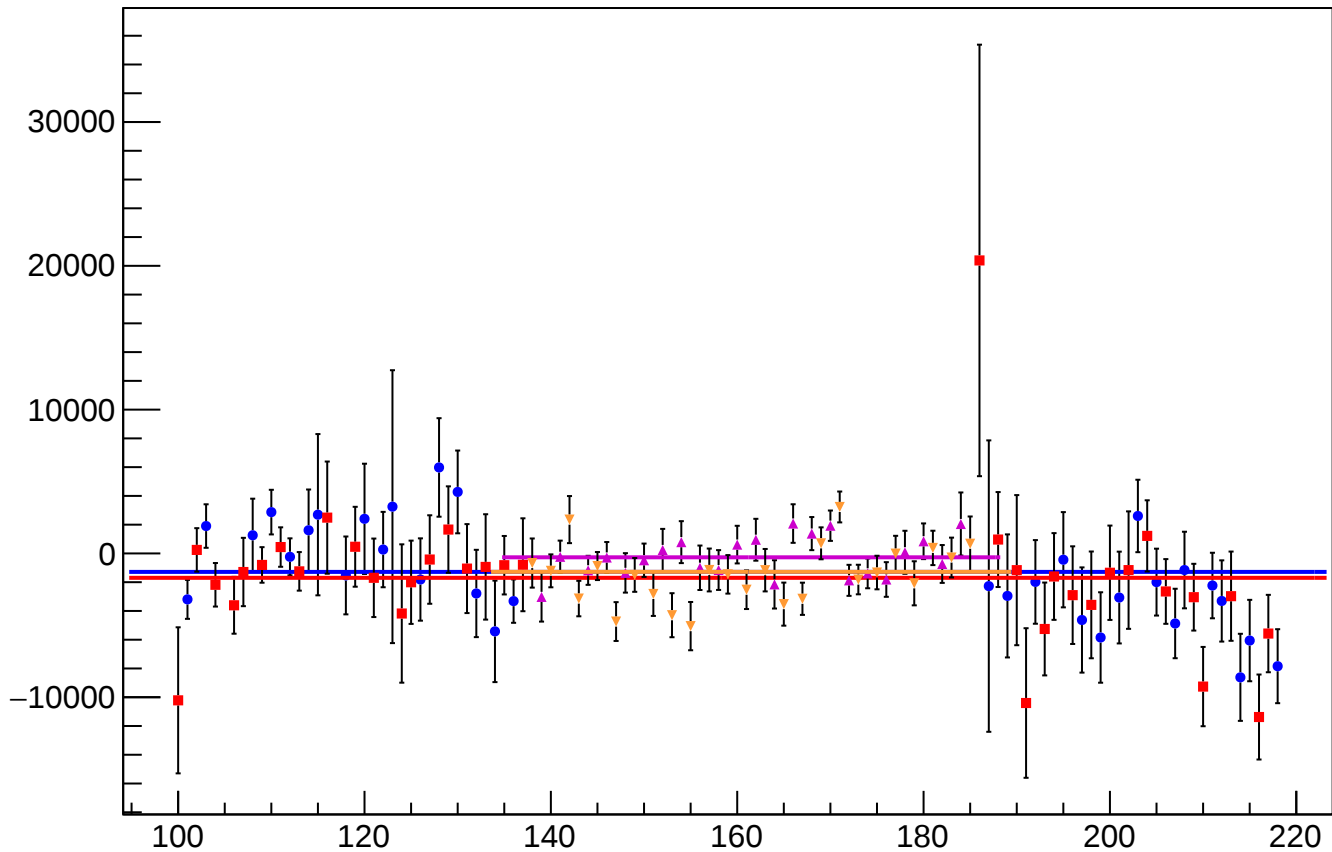
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 148.895 $\pm$ 0.018 χ^2 /NDF: 2277566.6/57

All: 149.266 $\pm$ 0.013 χ^2 /NDF: 5310470.4/116

- sign 149.650 $\pm$ 0.018 χ^2 /NDF: 3032013.4/58

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: -1696.070 ± 407.099 χ^2/NDF : 42.0/35

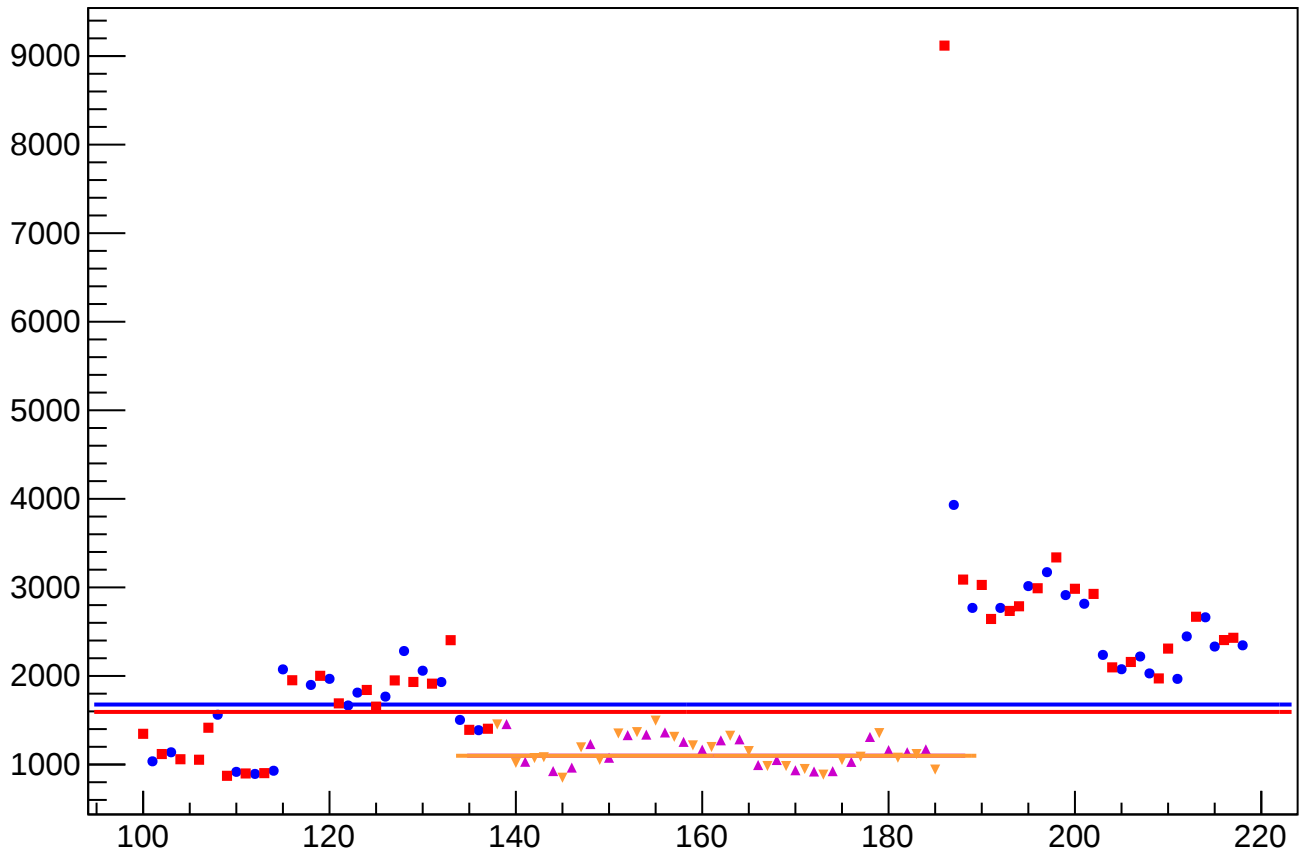
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1280.719 ± 221.358 χ^2/NDF : 110.1/57

All: -990.881 ± 157.039 χ^2/NDF : 188.5/116

- sign -697.196 ± 222.823 χ^2/NDF : 74.9/58

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: 1593.853+/-0.288 χ^2/NDF : 6644228.1/35

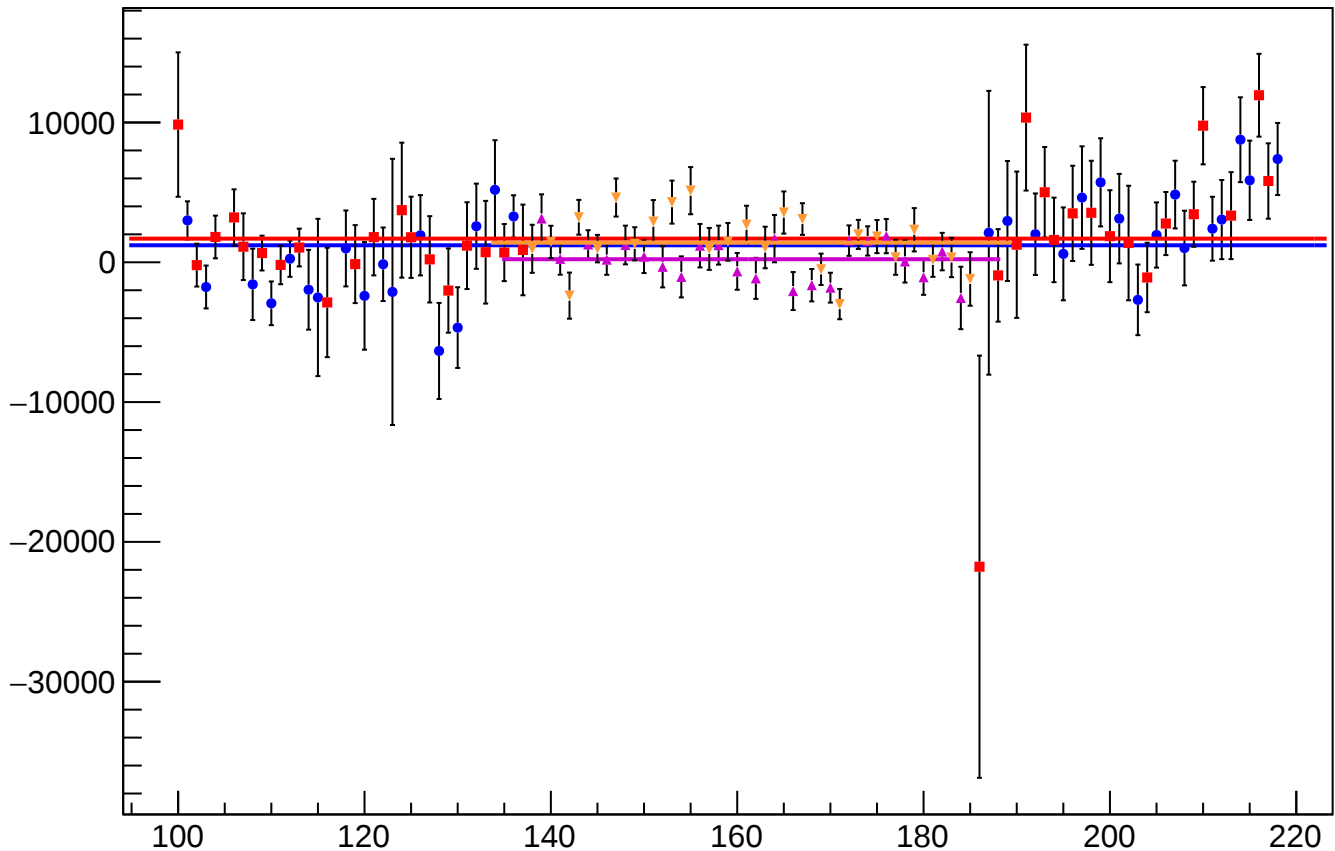
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1255.787+/-0.157 χ^2/NDF : 8480526.3/57

All: 1251.750+/-0.111 χ^2/NDF : 17870943.2/1

- sign 1247.660+/-0.158 χ^2/NDF : 9389077.9/58

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: 1692.345 $\pm$ 409.631 χ^2 /NDF: 44.1/35

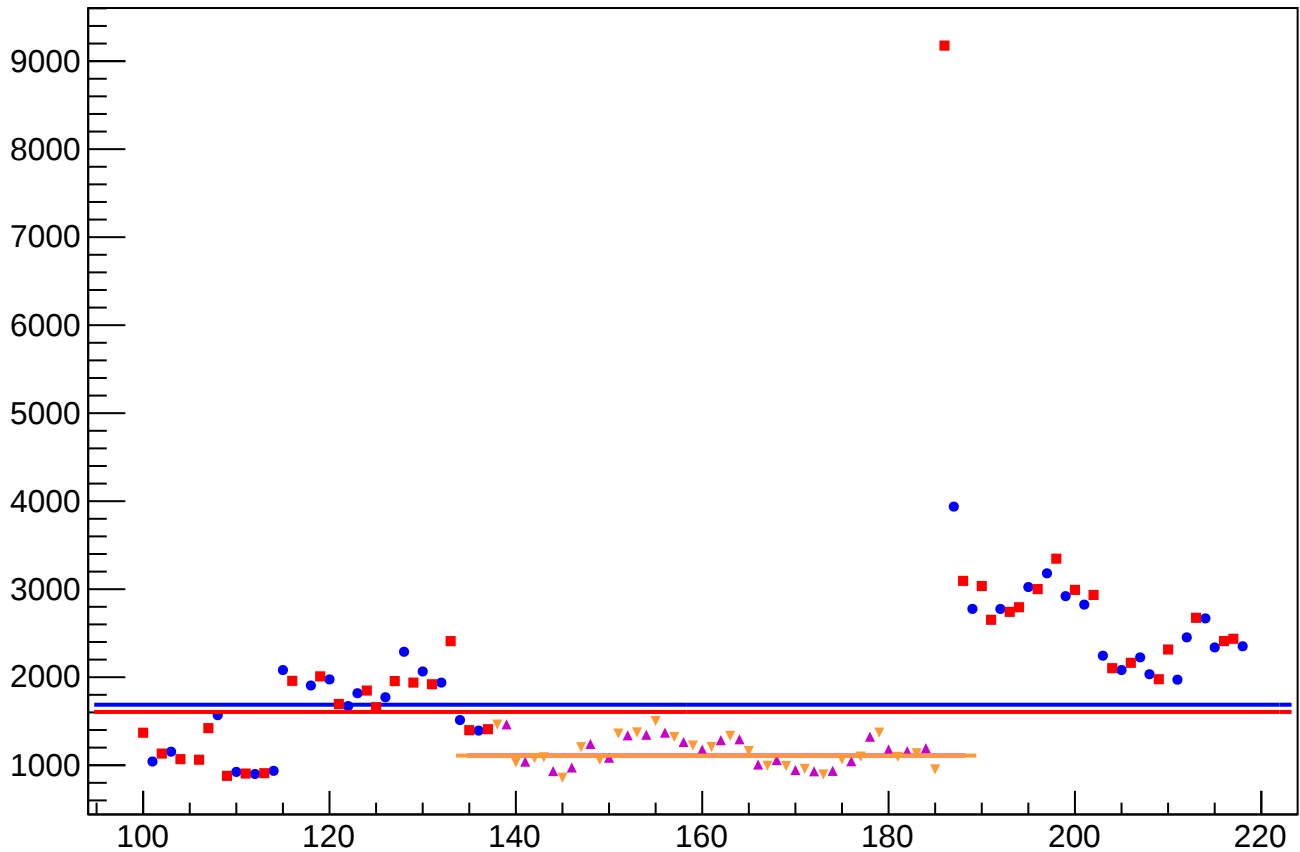
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1350.298 $\pm$ 223.227 χ^2 /NDF: 105.6/57

All: 1008.941 $\pm$ 158.386 χ^2 /NDF: 188.4/116

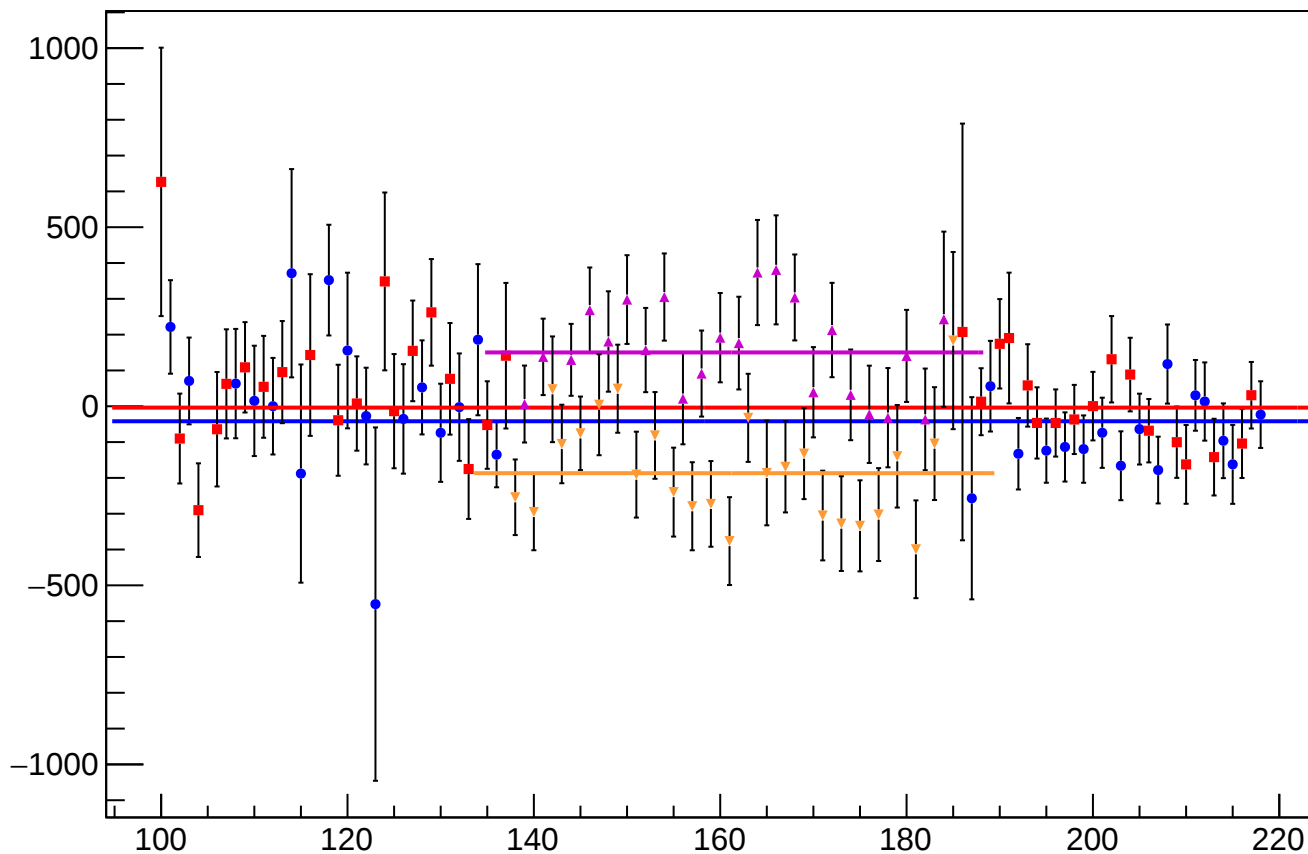
- sign 662.860 $\pm$ 224.765 χ^2 /NDF: 78.1/58

asym_sam_48_avg_rms vs Slug



Right In: 1687.470+/-0.302 χ^2/NDF : 4903928.8/32 + sign 1267.471+/-0.158 χ^2/NDF : 8374653.9/57
 Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24 All: 1263.511+/-0.112 χ^2/NDF : 17661673.9/1
 Right Out: 1605.285+/-0.290 χ^2/NDF : 6576735.0/35 - sign 1259.496+/-0.159 χ^2/NDF : 9285752.4/58
 Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

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: -3.771 ± 20.714 χ^2/NDF : 31.9/35

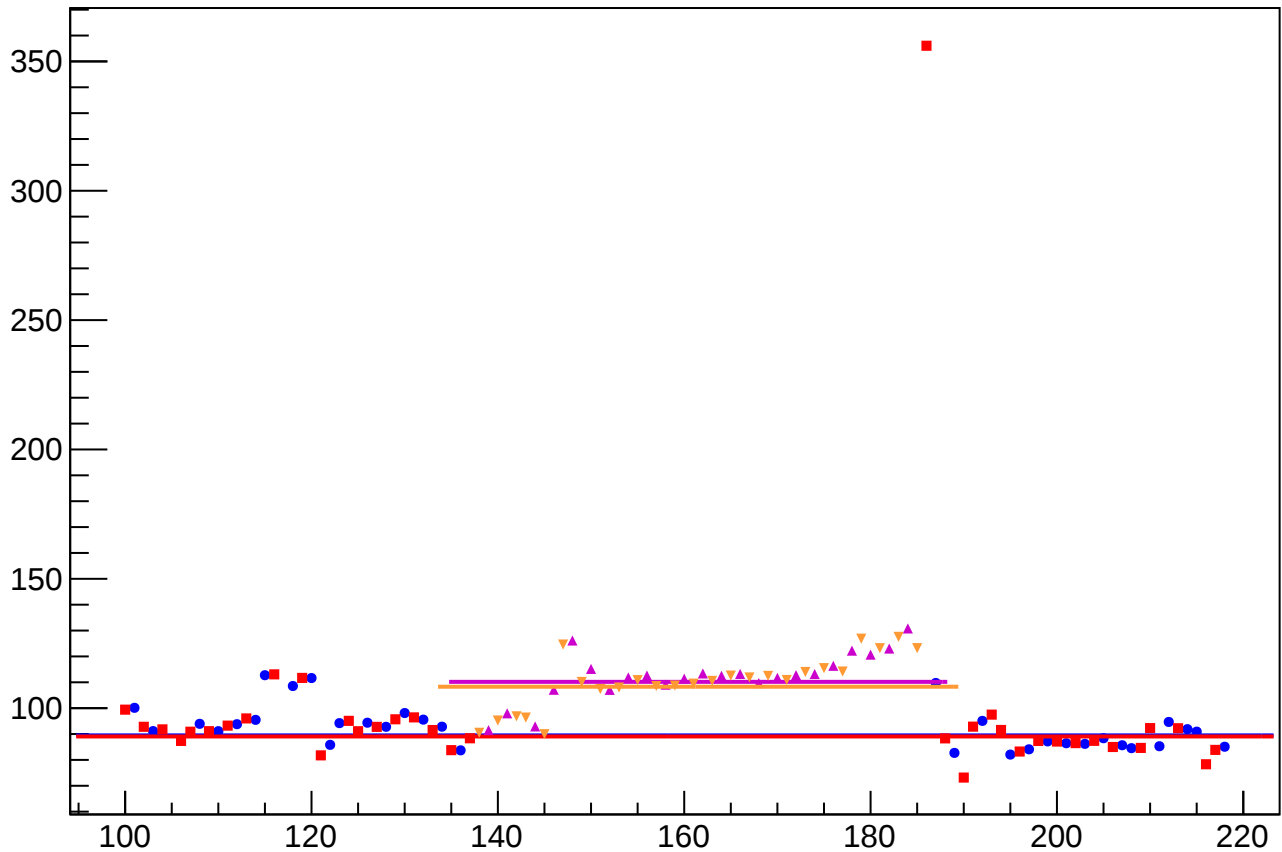
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -101.093 ± 16.176 χ^2/NDF : 77.6/57

All: -23.768 ± 11.484 χ^2/NDF : 197.3/116

- sign 54.820 ± 16.307 χ^2/NDF : 73.7/58

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.480+/-0.015 χ^2/NDF : 175600.1/32

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 89.057+/-0.015 χ^2/NDF : 619079.2/35

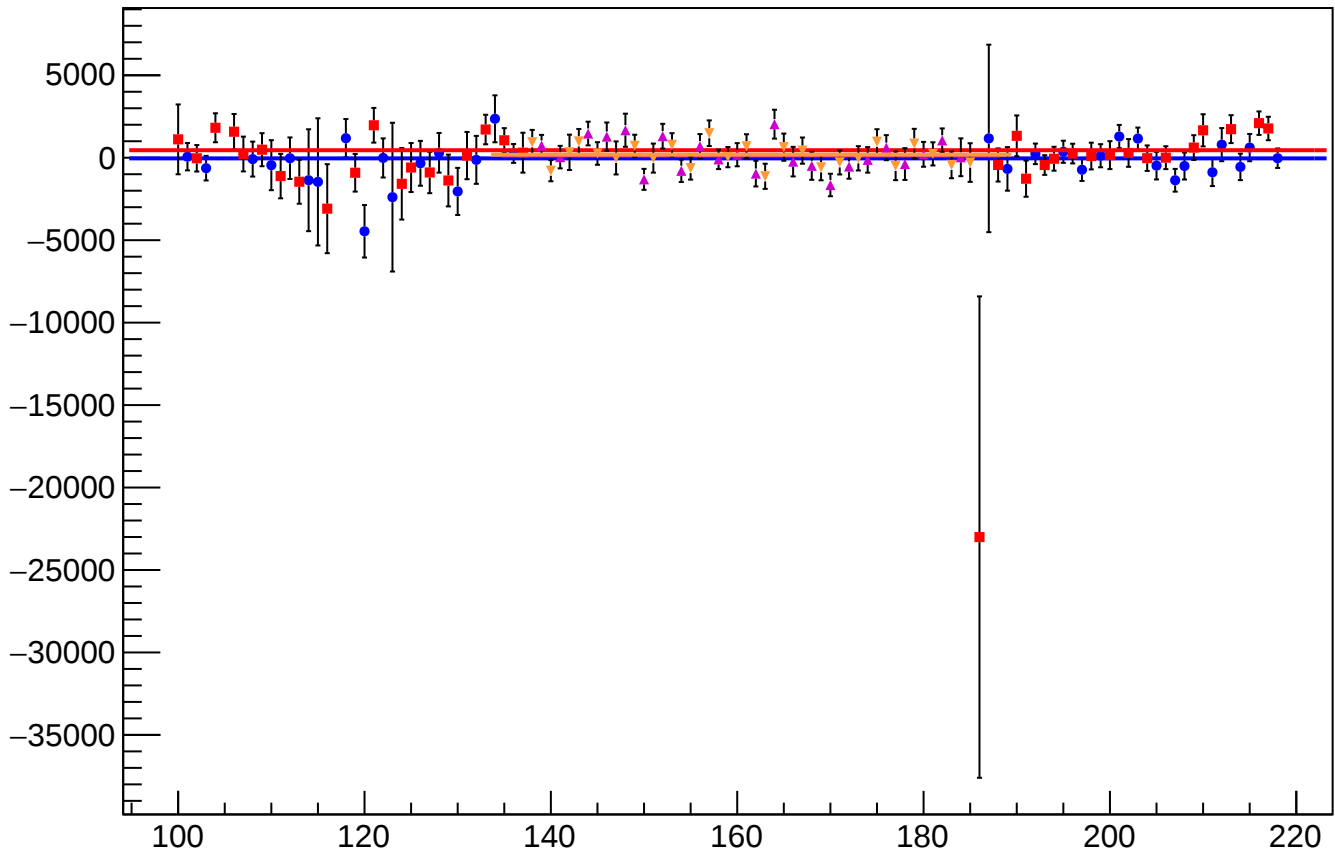
Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

+ sign 97.163+/-0.011 χ^2/NDF : 1159597.0/57

All: 97.125+/-0.008 χ^2/NDF : 2815957.1/116

- sign 97.086+/-0.012 χ^2/NDF : 1656337.8/58

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: 456.140 ± 156.199 χ^2/NDF : 42.3/35

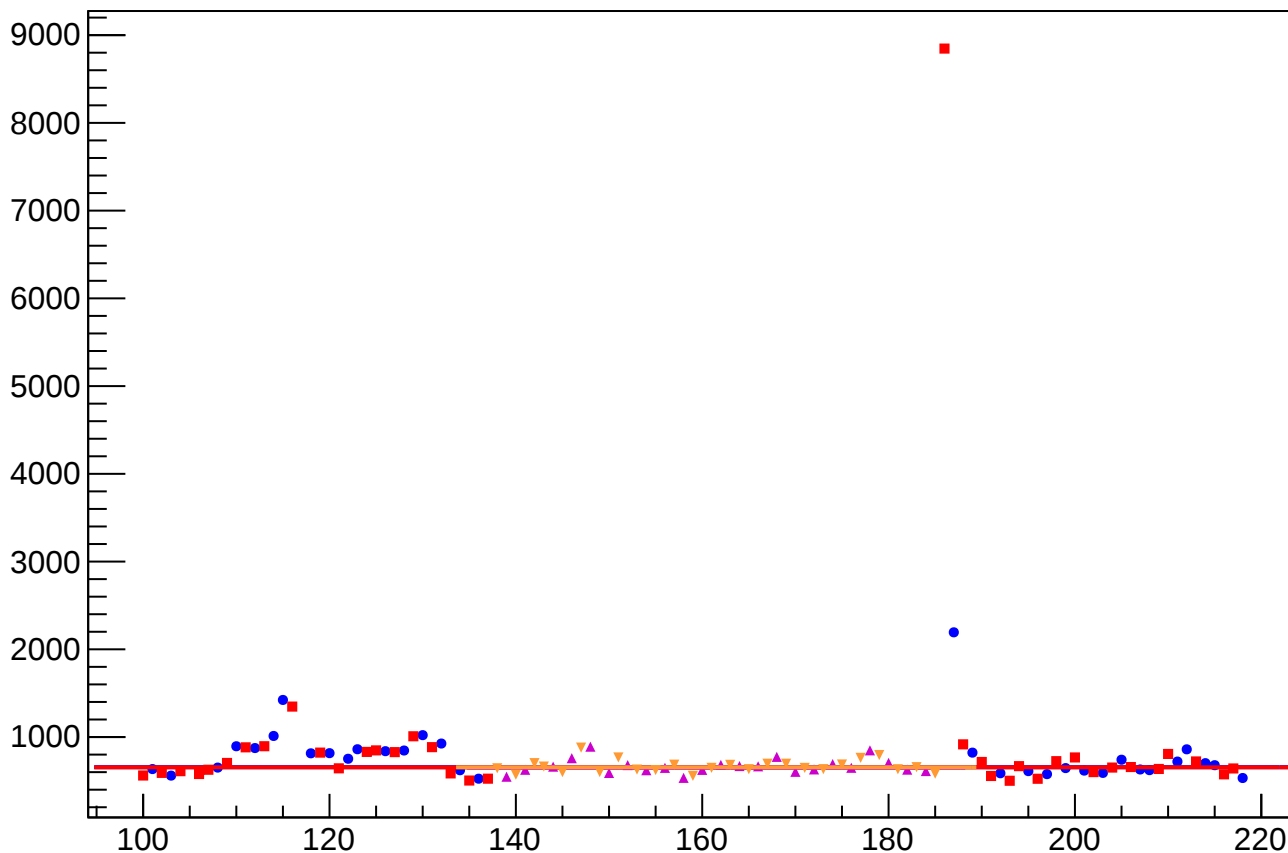
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 76.100 ± 110.054 χ^2/NDF : 50.5/57

All: 184.060 ± 78.078 χ^2/NDF : 133.1/116

- sign 293.460 ± 110.786 χ^2/NDF : 80.7/58

asym_sam_15_dd_correction_rms vs Slug



Right In: 656.657 $\pm$ 0.111 χ^2 /NDF: 1196480.7/32

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 655.021 $\pm$ 0.110 χ^2 /NDF: 1854294.3/35

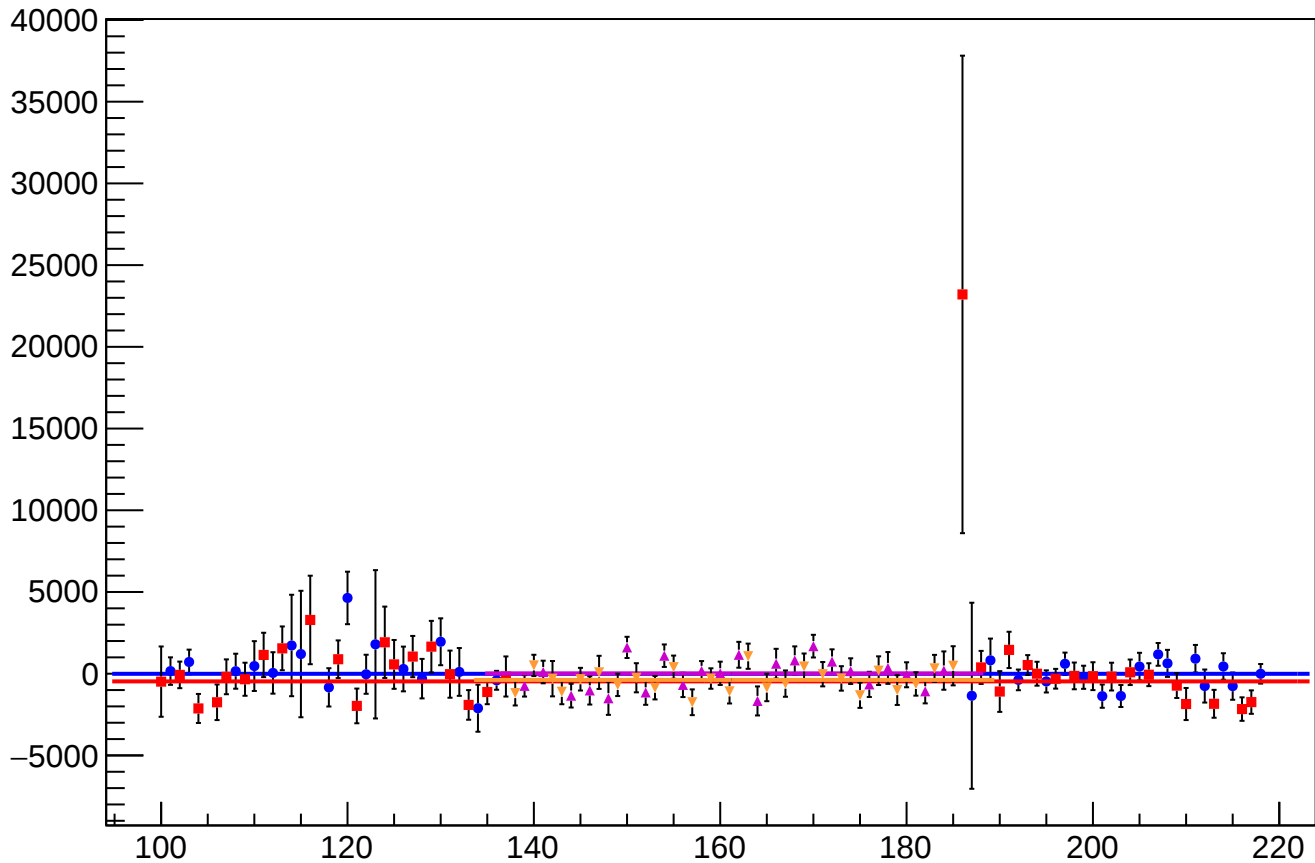
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 655.887 $\pm$ 0.078 χ^2 /NDF: 1563923.6/57

All: 654.436 $\pm$ 0.055 χ^2 /NDF: 3885732.6/116

- sign 652.965 $\pm$ 0.078 χ^2 /NDF: 2321108.5/58

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: -469.539 ± 157.815 χ^2/NDF : 47.0/35

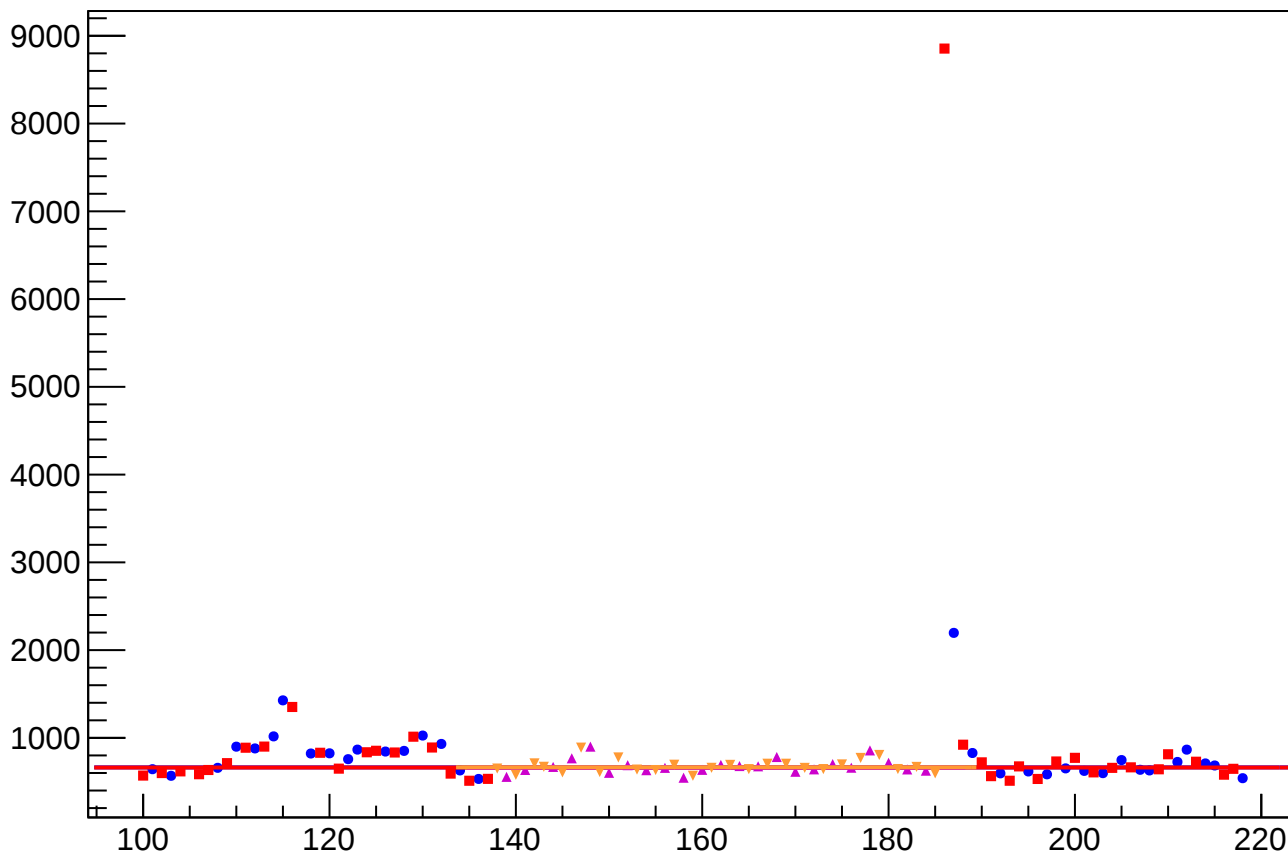
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -196.669 ± 111.406 χ^2/NDF : 53.3/57

All: -213.207 ± 79.051 χ^2/NDF : 142.2/116

- sign -229.978 ± 112.188 χ^2/NDF : 88.9/58

asym_sam_15_dd_rms vs Slug



Right In: 663.697+/-0.113 χ^2/NDF : 1168147.4/32

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 662.309+/-0.112 χ^2/NDF : 1816642.2/35

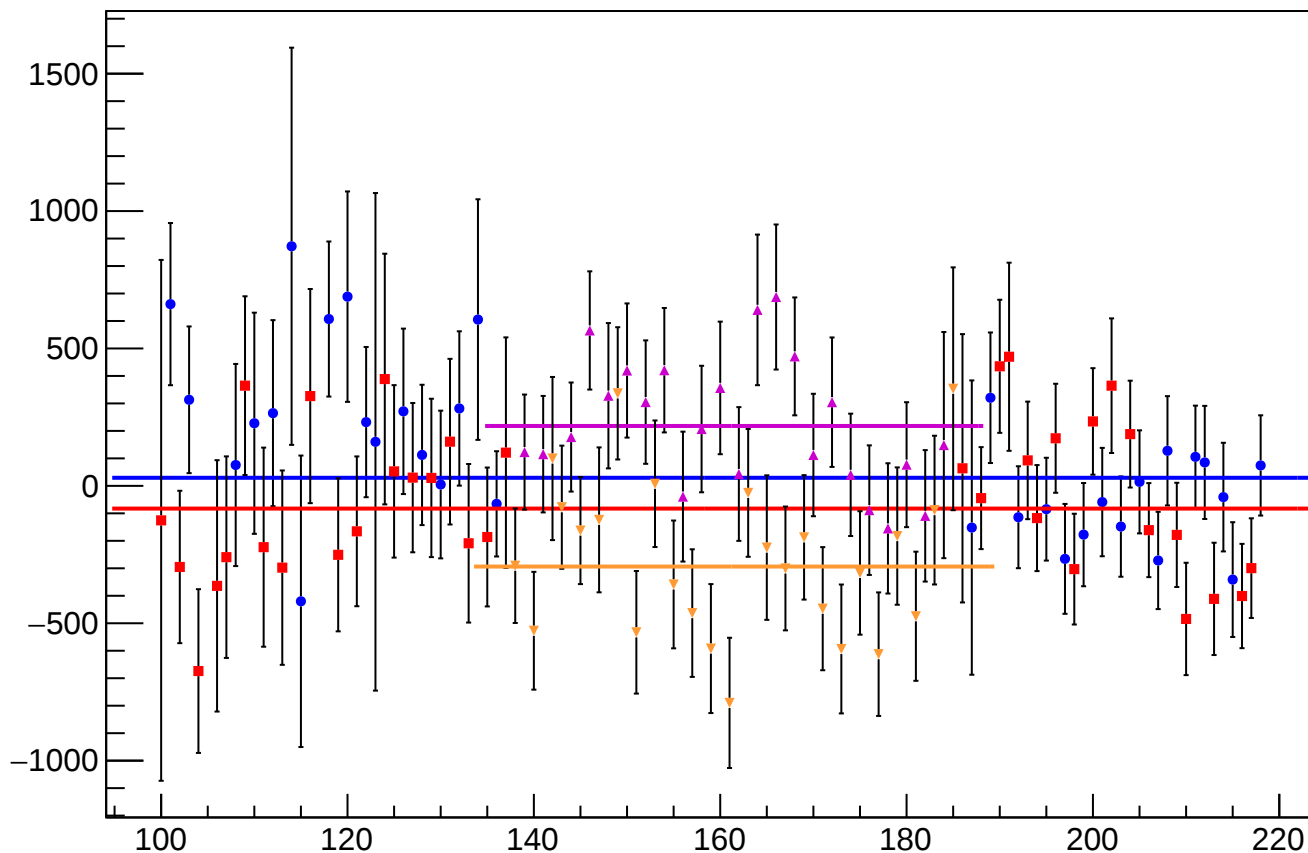
Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

+ sign 664.246+/-0.079 χ^2/NDF : 1525247.8/57

All: 662.936+/-0.056 χ^2/NDF : 3791707.2/116

- sign 661.608+/-0.079 χ^2/NDF : 2265902.2/58

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: -82.662 $\pm$ 41.671 χ^2 /NDF: 41.9/35

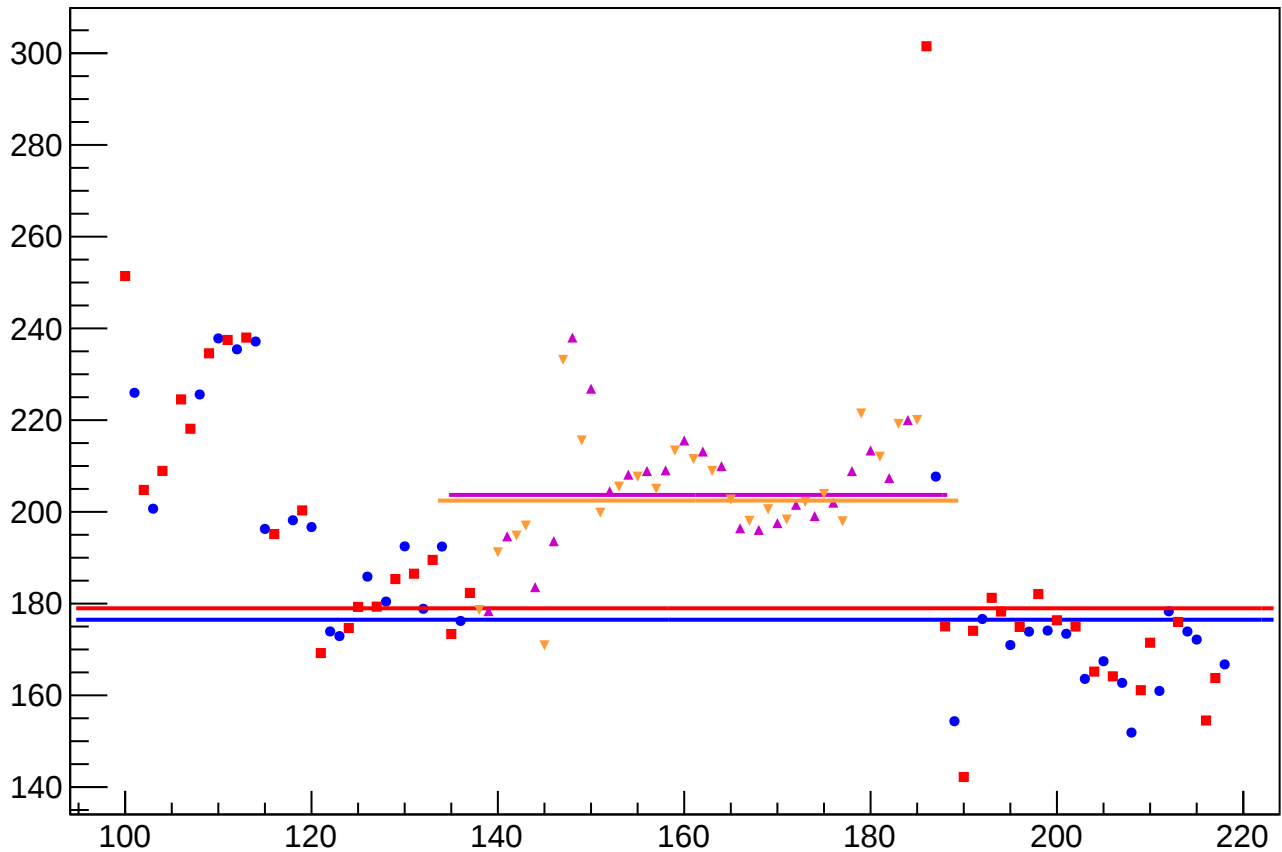
Left In: 217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

+ sign -111.890 $\pm$ 31.220 χ^2 /NDF: 90.3/57

All: -35.096 $\pm$ 22.242 χ^2 /NDF: 187.8/116

- sign 44.052 $\pm$ 31.695 χ^2 /NDF: 85.2/58

reg_asym_sam_26_dd_rms vs Slug

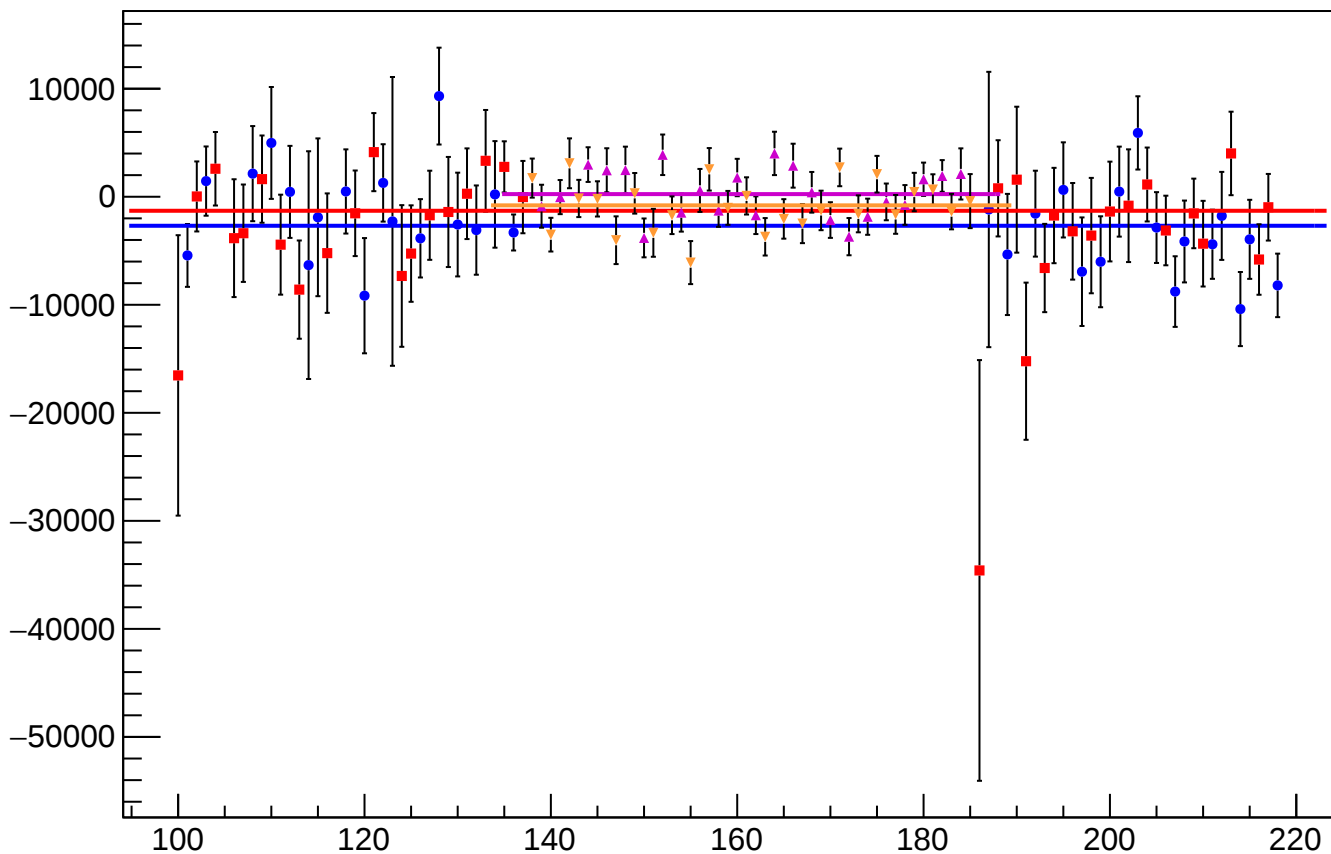


Right In: 176.487 $\pm$ 0.029 χ^2 /NDF: 367530.6/32
 Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24
 Right Out: 178.976 $\pm$ 0.029 χ^2 /NDF: 551231.9/35
 Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 187.848 $\pm$ 0.022 χ^2 /NDF: 866713.4/57
 - sign 189.397 $\pm$ 0.022 χ^2 /NDF: 984152.4/58

All: 188.611 $\pm$ 0.016 χ^2 /NDF: 1853287.6/116

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: -1297.191 ± 686.509 χ^2/NDF : 29.7/35

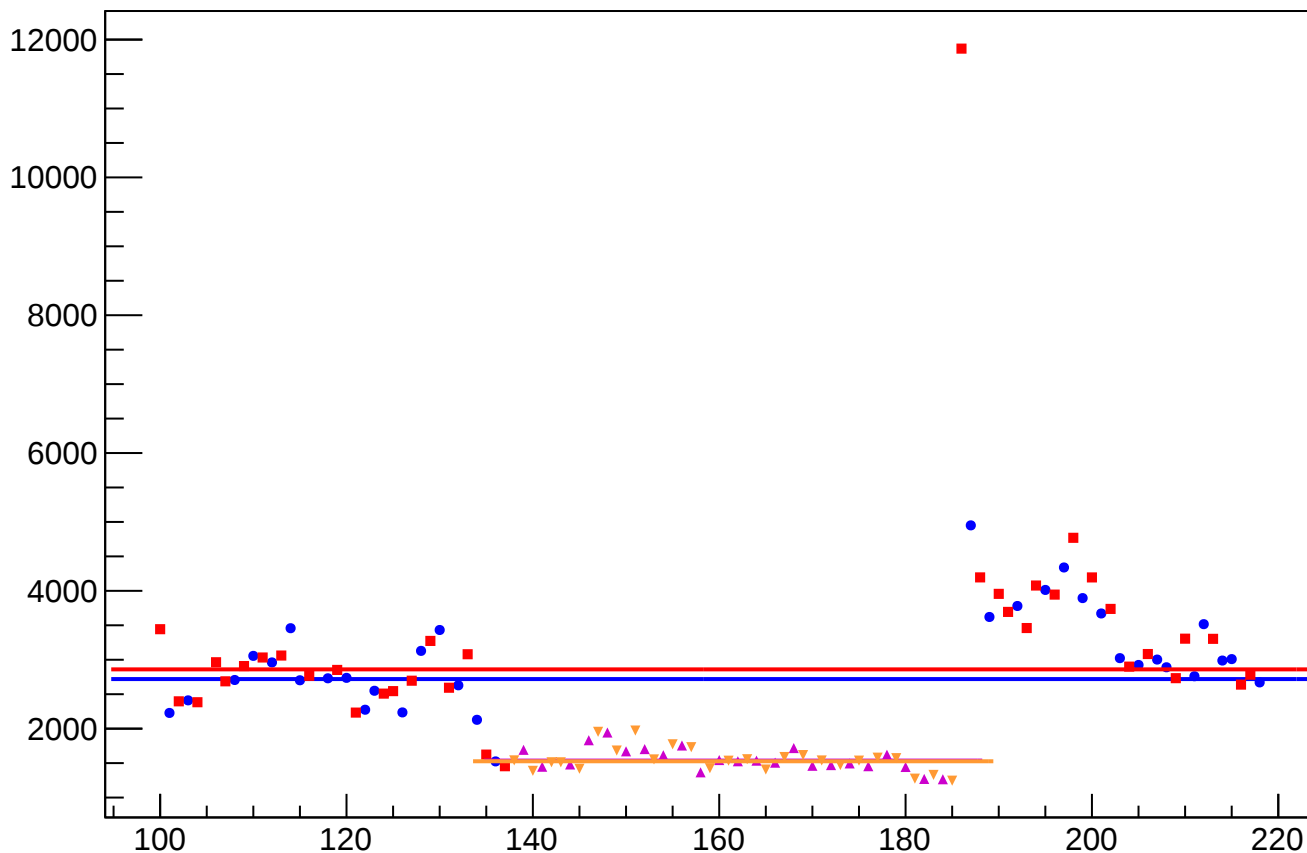
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1224.055 ± 314.767 χ^2/NDF : 81.7/57

All: -681.926 ± 226.307 χ^2/NDF : 157.2/116

- sign -101.833 ± 325.602 χ^2/NDF : 69.3/58

asym_sam_26_dd_correction_rms vs Slug



Right In: 2719.626 $\pm$ 0.468 χ^2 /NDF: 2327265.9/32

Left Out: 1526.712 $\pm$ 0.253 χ^2 /NDF: 394892.7/24

Right Out: 2860.371 $\pm$ 0.485 χ^2 /NDF: 2652655.6/35

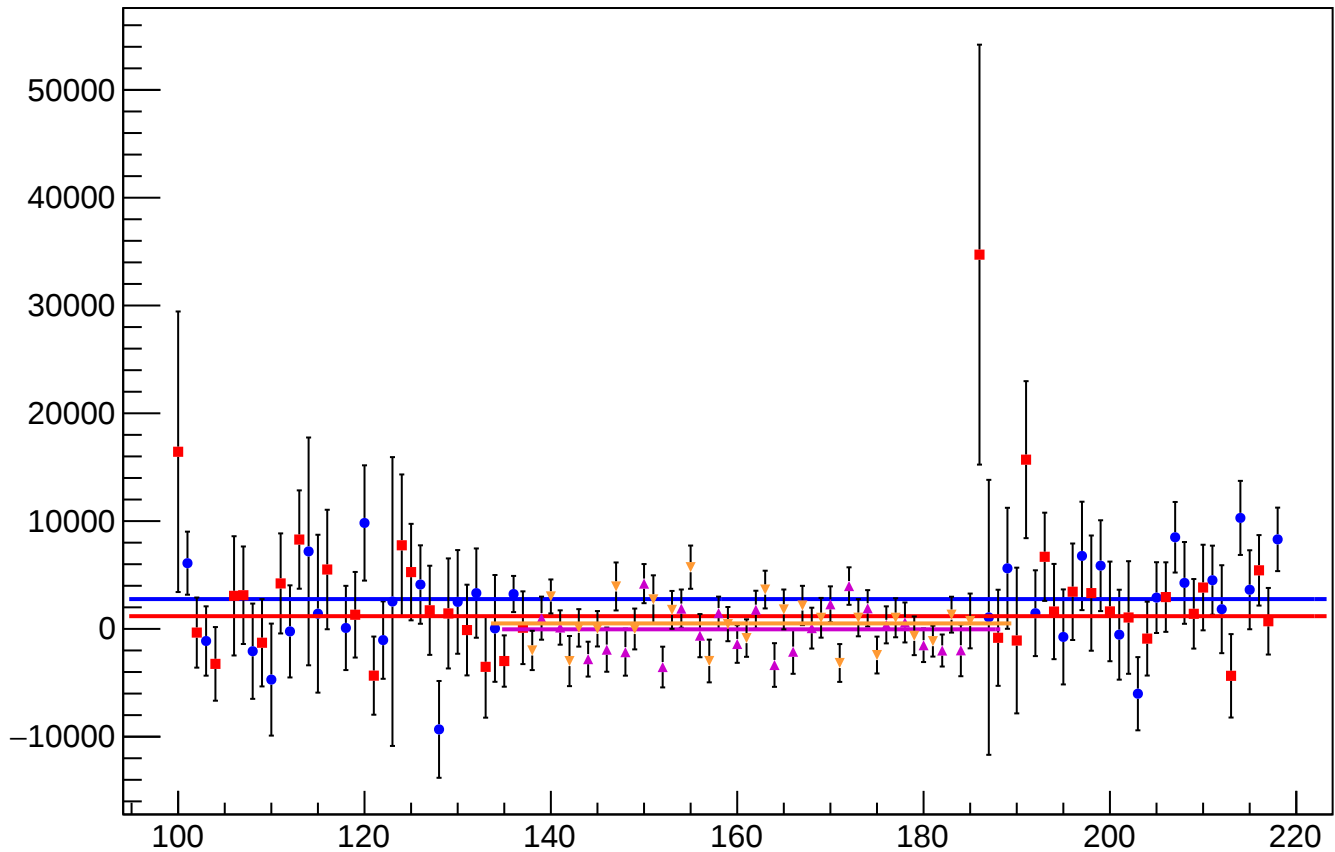
Left In: 1536.538 $\pm$ 0.262 χ^2 /NDF: 350373.3/22

+ sign 1796.667 $\pm$ 0.223 χ^2 /NDF: 7751684.4/57

All: 1814.862 $\pm$ 0.160 χ^2 /NDF: 16532694.5/100

- sign 1834.330 $\pm$ 0.230 χ^2 /NDF: 8767177.2/58

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: 1180.090 $\pm$ 688.456 χ^2 /NDF: 30.2/35

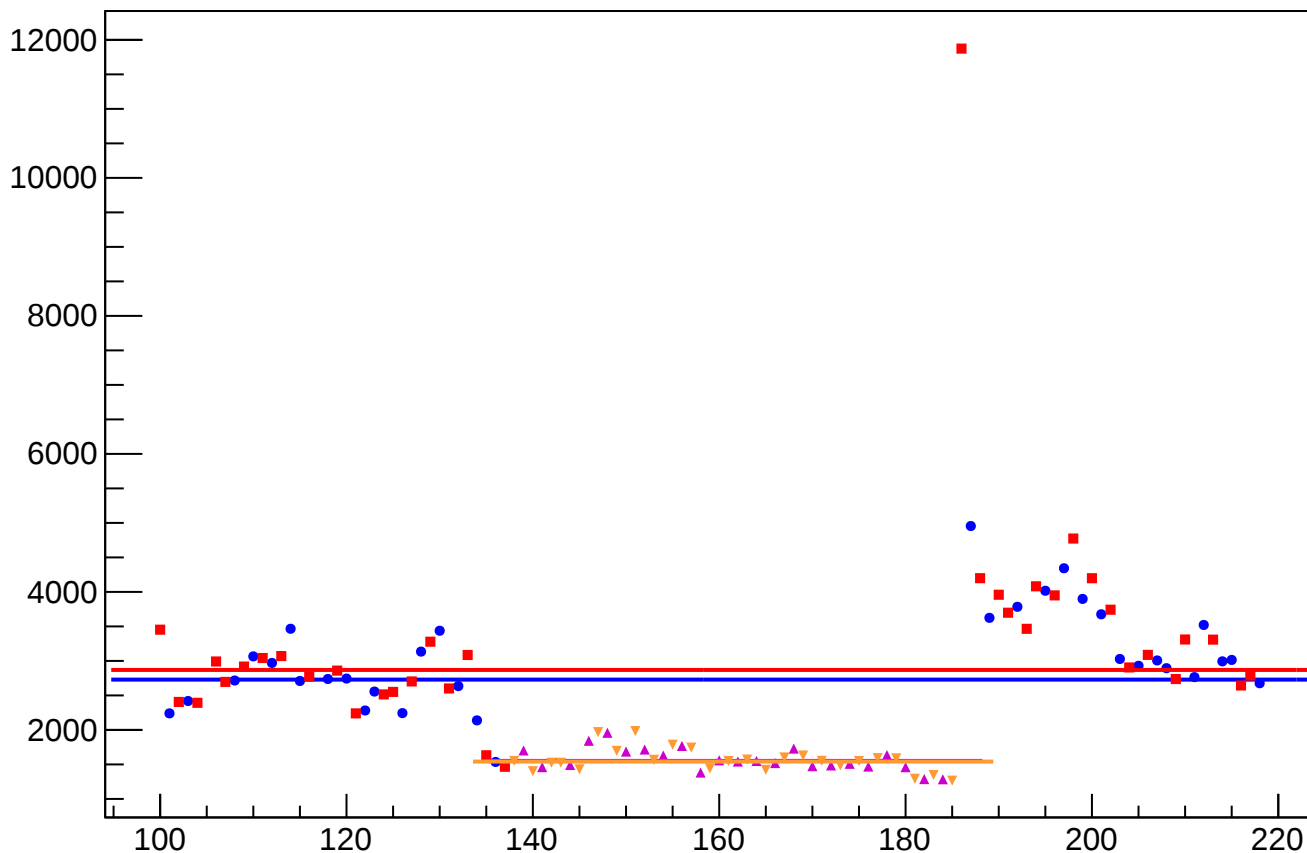
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 1023.833 $\pm$ 317.238 χ^2 /NDF: 83.6/57

All: 643.752 $\pm$ 228.077 χ^2 /NDF: 152.8/116

- sign 237.109 $\pm$ 328.136 χ^2 /NDF: 66.2/58

asym_sam_26_dd_rms vs Slug



Right In: 2729.236+/-0.469 χ^2/NDF : 2294256.4/32

Left Out: 1541.258+/-0.255 χ^2/NDF : 382045.4/24

Right Out: 2869.365+/-0.487 χ^2/NDF : 2627031.8/35

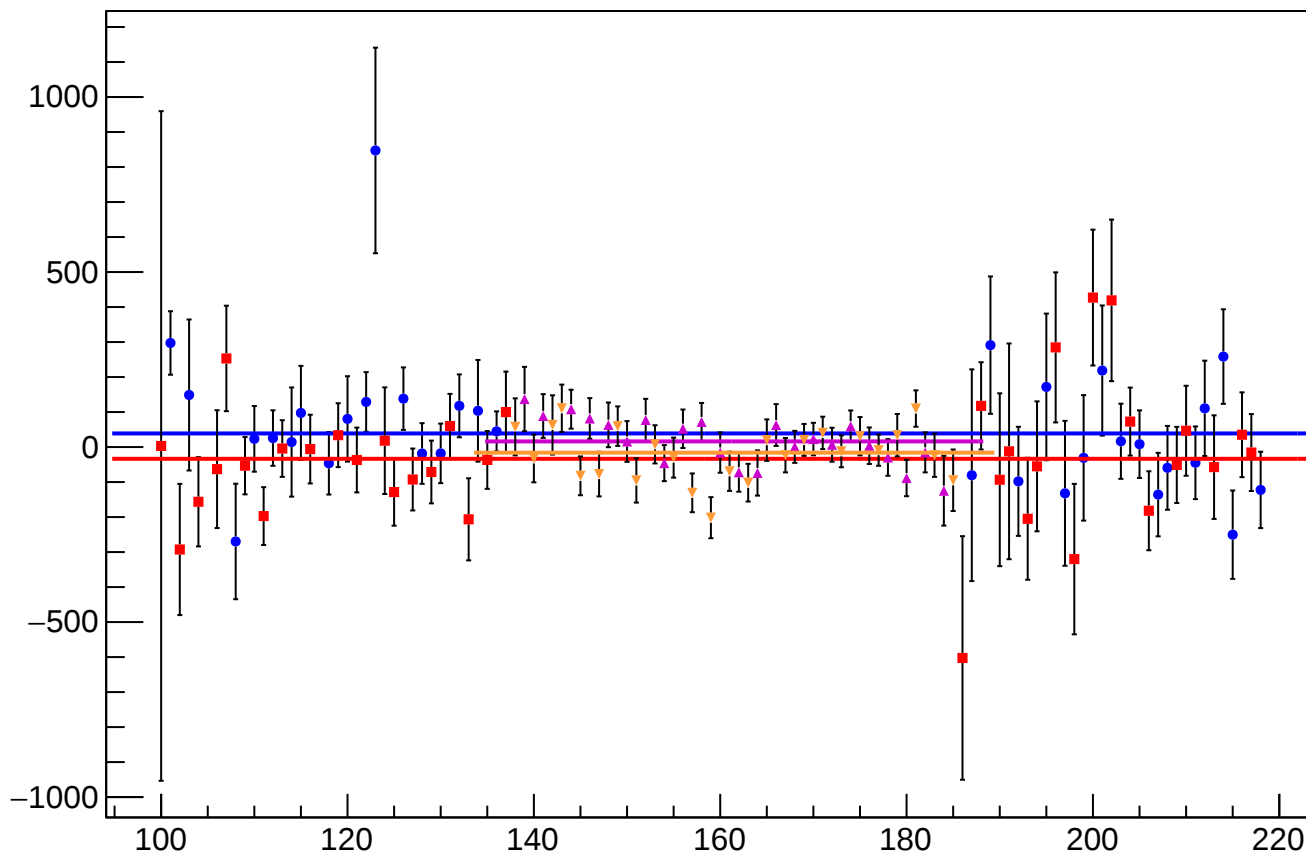
Left In: 1551.063+/-0.264 χ^2/NDF : 338898.9/22

+ sign 1812.697+/-0.224 χ^2/NDF : 7620328.2/57

All: 1830.982+/-0.161 χ^2/NDF : 16267486.2/1

- sign 1850.545+/-0.232 χ^2/NDF : 8633404.9/58

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: -33.558 ± 19.795 χ^2/NDF : 39.9/35

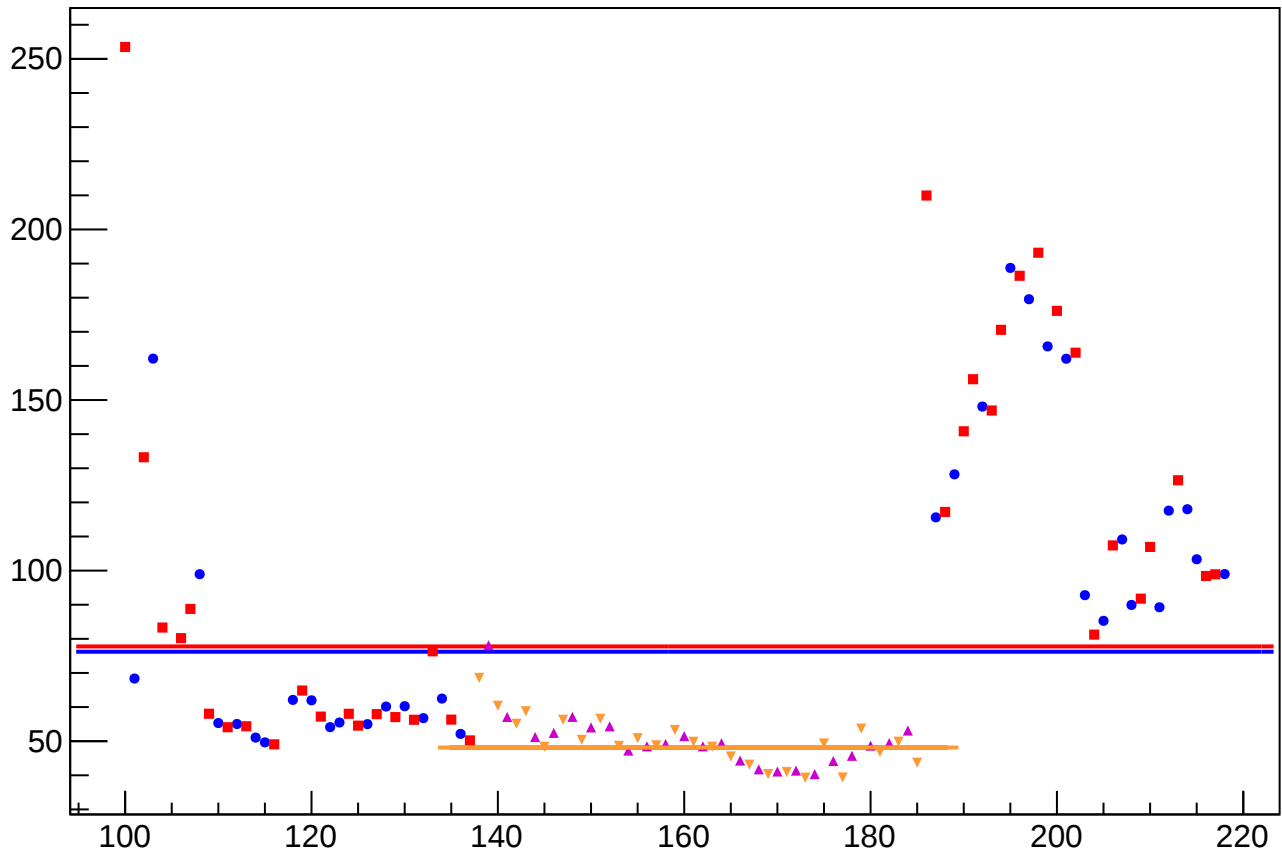
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -2.153 ± 9.801 χ^2/NDF : 89.3/57

All: 0.543 ± 7.013 χ^2/NDF : 159.2/116

- sign 3.371 ± 10.040 χ^2/NDF : 69.8/58

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: 77.777 $\pm$ 0.014 χ^2 /NDF: 5802749.3/35

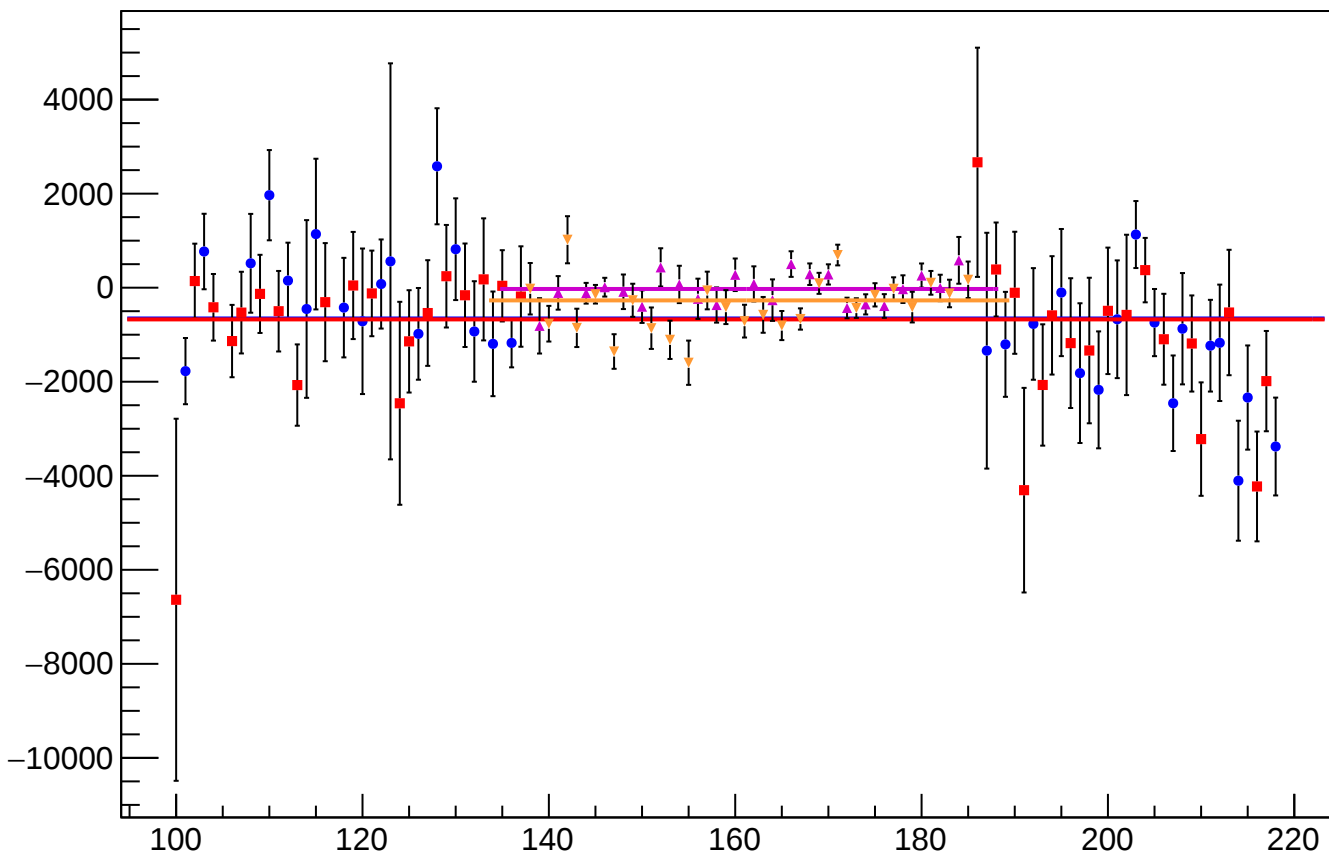
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 55.244 $\pm$ 0.007 χ^2 /NDF: 8873782.1/57

All: 55.498 $\pm$ 0.005 χ^2 /NDF: 18584491.5/116

- sign 55.763 $\pm$ 0.007 χ^2 /NDF: 9707973.5/58

asym_sam_37_dd_correction_mean vs Slug



Right In: -654.844 ± 177.292 χ^2/NDF : 56.6/32

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -674.702 ± 176.198 χ^2/NDF : 36.7/35

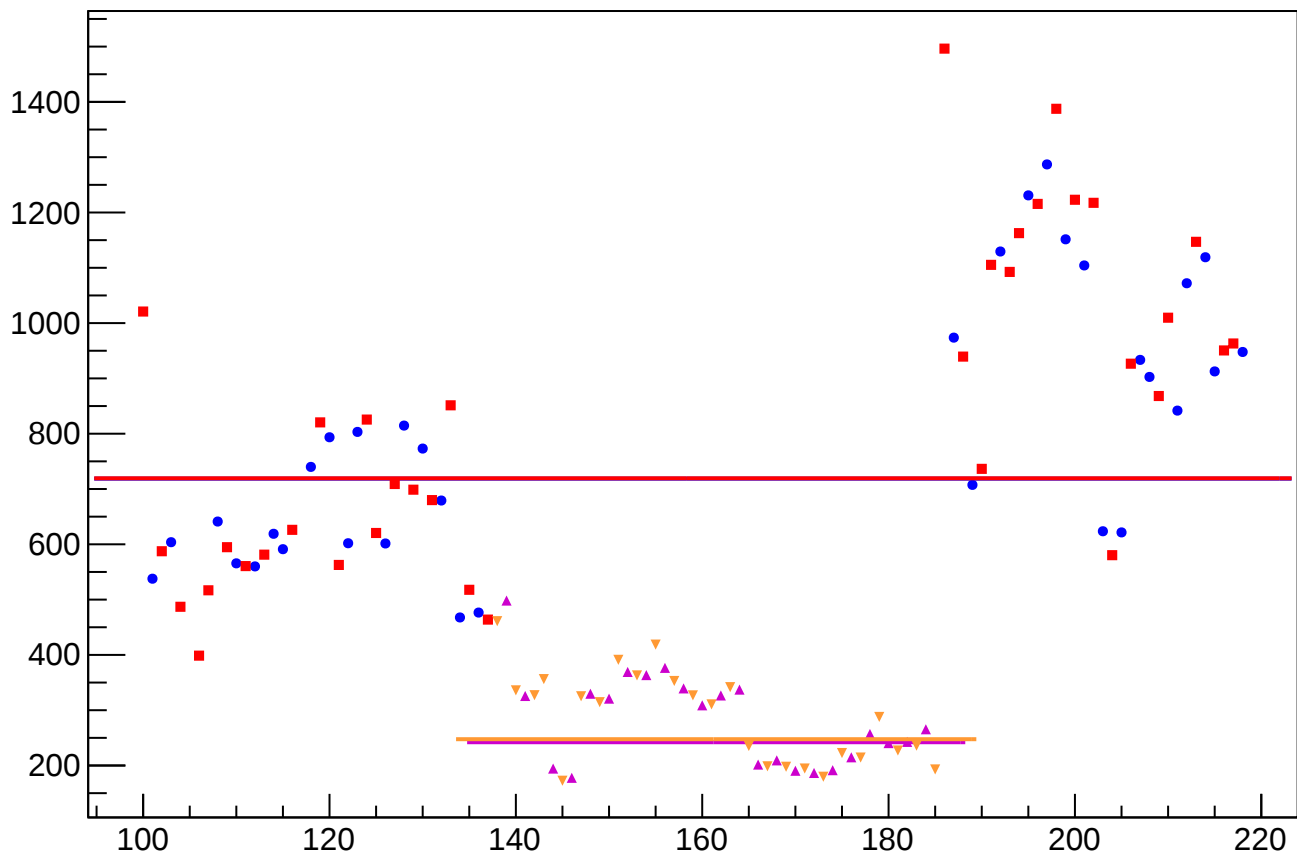
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -309.949 ± 56.984 χ^2/NDF : 130.9/57

All: -203.014 ± 40.357 χ^2/NDF : 211.9/116

- sign -95.411 ± 57.162 χ^2/NDF : 73.9/58

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: 719.332 $\pm$ 0.125 χ^2 /NDF: 3873236.6/35

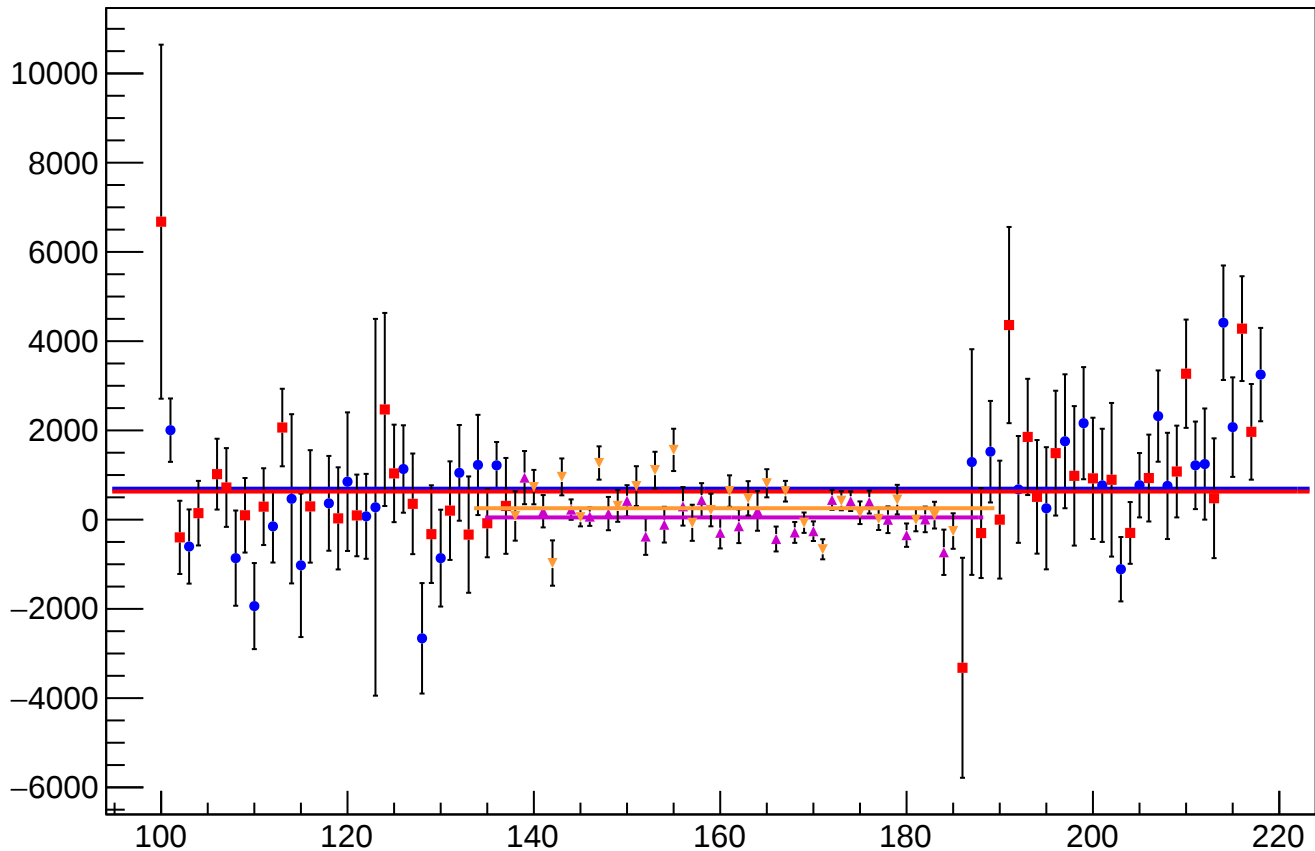
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 296.244 $\pm$ 0.040 χ^2 /NDF: 18430238.8/57

All: 294.299 $\pm$ 0.029 χ^2 /NDF: 37901100.6/1

- sign 292.342 $\pm$ 0.040 χ^2 /NDF: 19466187.1/58

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: 629.774 ± 178.056 χ^2/NDF : 37.9/35

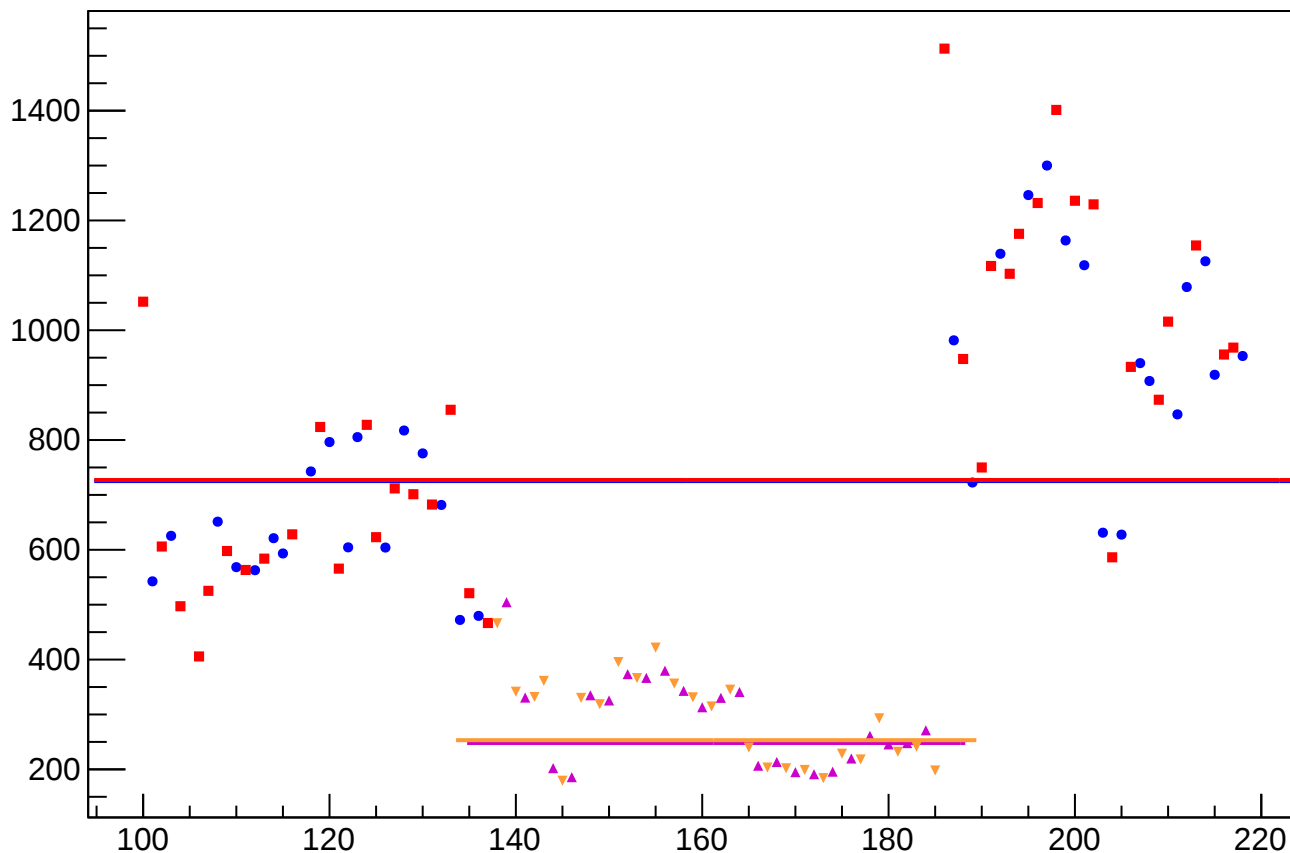
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 302.163 ± 58.089 χ^2/NDF : 125.8/57

All: 207.611 ± 41.173 χ^2/NDF : 206.0/116

- sign 112.150 ± 58.367 χ^2/NDF : 74.9/58

asym_sam_37_dd_rms vs Slug



Right In: 725.186+/-0.126 χ^2/NDF : 2978397.5/32

Left Out: 253.137+/-0.043 χ^2/NDF : 2665975.8/24

Right Out: 727.184+/-0.126 χ^2/NDF : 3831236.8/35

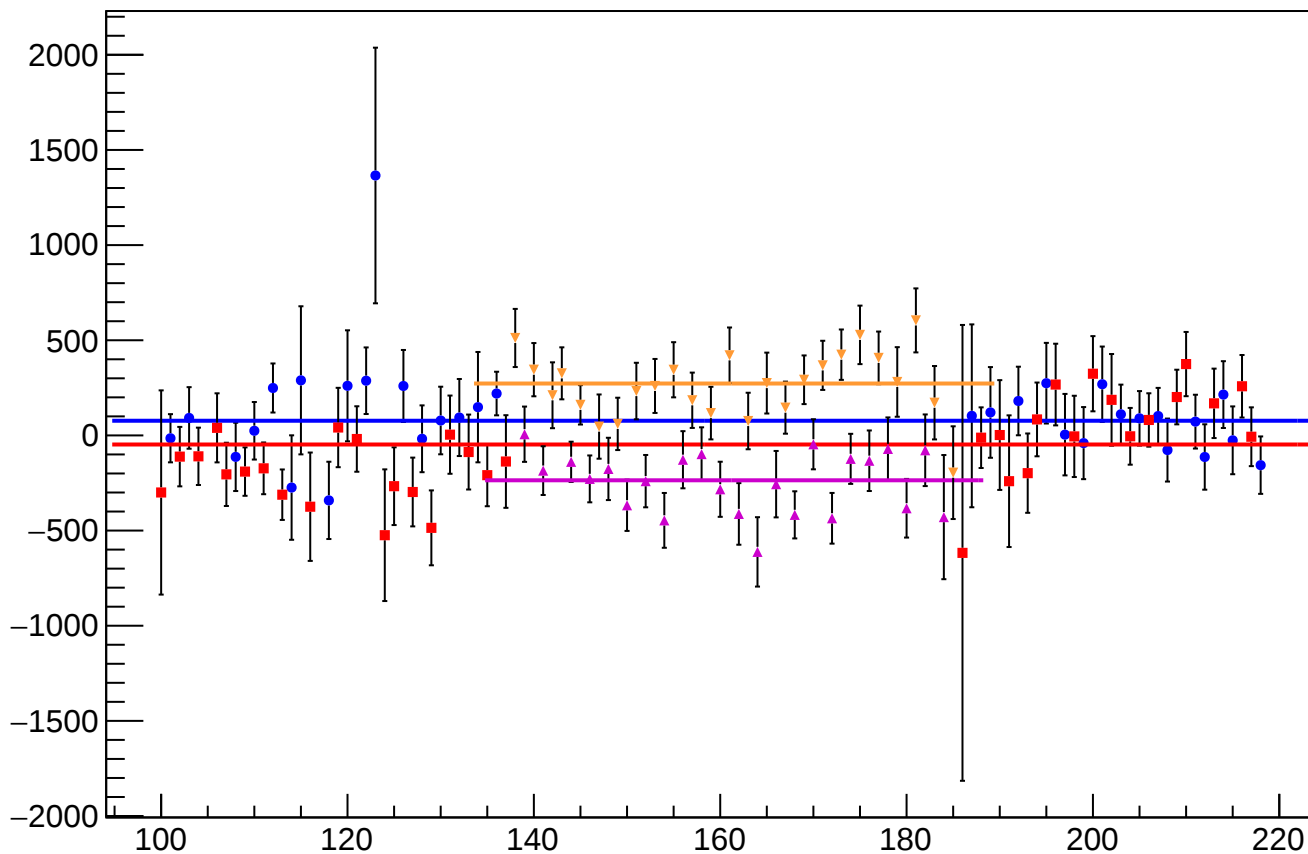
Left In: 248.069+/-0.044 χ^2/NDF : 2343295.0/22

+ sign 302.928+/-0.041 χ^2/NDF : 18105957.3/57

All: 301.248+/-0.029 χ^2/NDF : 37208817.2/11

- sign 299.552+/-0.041 χ^2/NDF : 19099498.8/58

reg_asym_sam_48_dd_mean vs Slug



Right In: 77.080 ± 30.929 χ^2/NDF : 26.3/32

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -47.744 ± 30.503 χ^2/NDF : 43.8/35

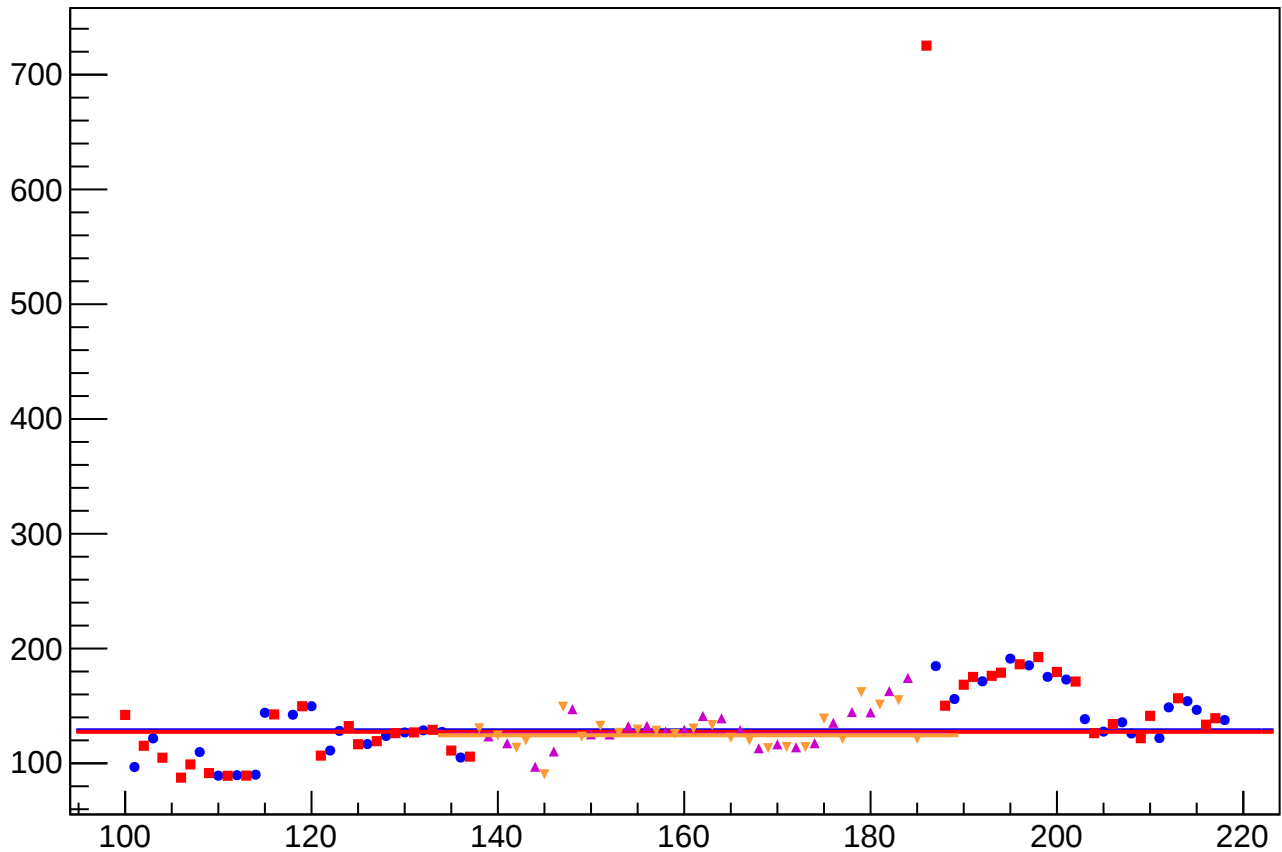
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 180.431 ± 21.241 χ^2/NDF : 74.9/57

All: 20.662 ± 15.101 χ^2/NDF : 276.9/116

- sign -142.614 ± 21.472 χ^2/NDF : 87.6/58

reg_asym_sam_48_dd_rms vs Slug



Right In: 128.805 $\pm$ 0.022 χ^2 /NDF: 1466295.7/32

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 127.464 $\pm$ 0.022 χ^2 /NDF: 2299723.9/35

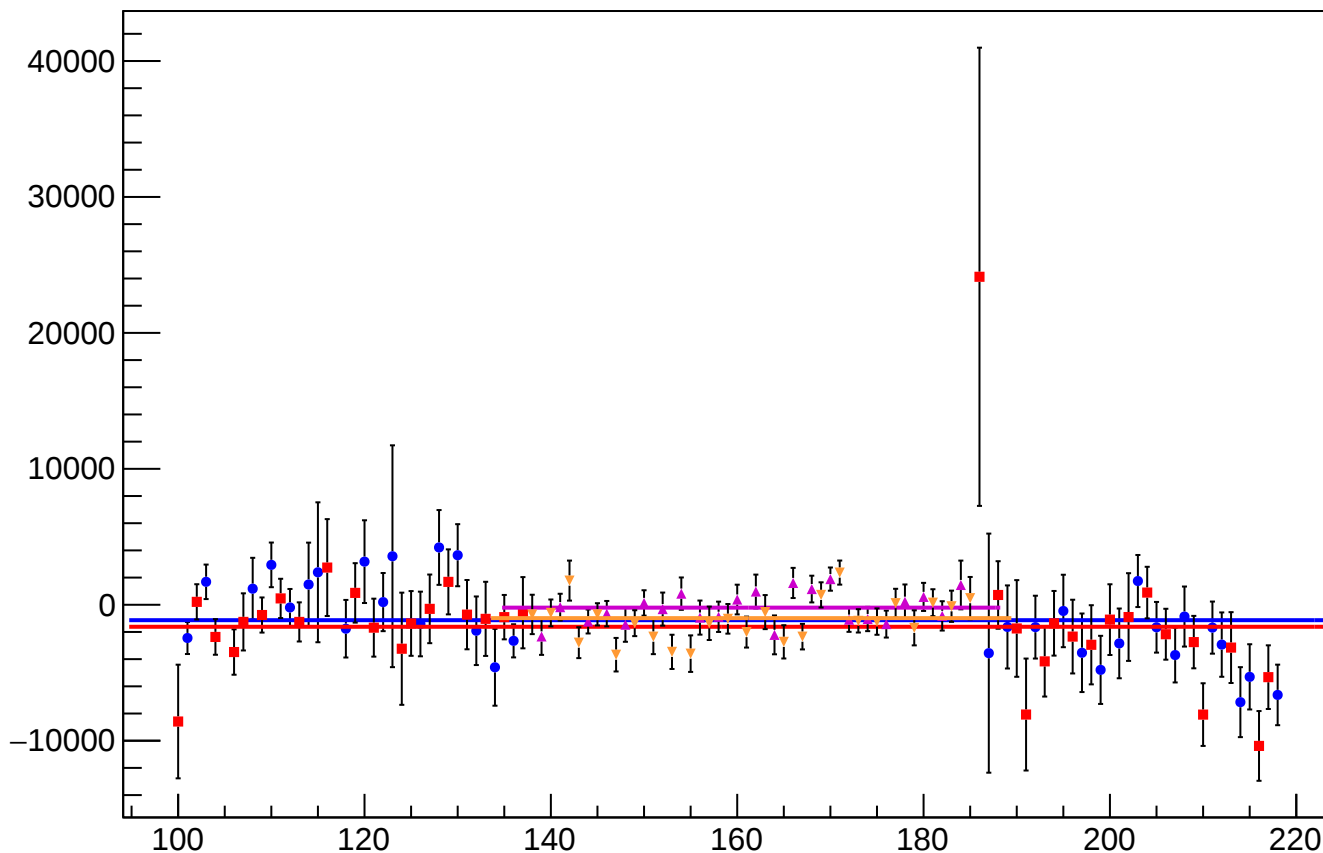
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 126.493 $\pm$ 0.015 χ^2 /NDF: 2027181.1/57

All: 126.409 $\pm$ 0.011 χ^2 /NDF: 4833887.8/116

- sign 126.324 $\pm$ 0.015 χ^2 /NDF: 2806644.7/58

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: -1618.377 ± 355.899 χ^2/NDF : 46.2/35

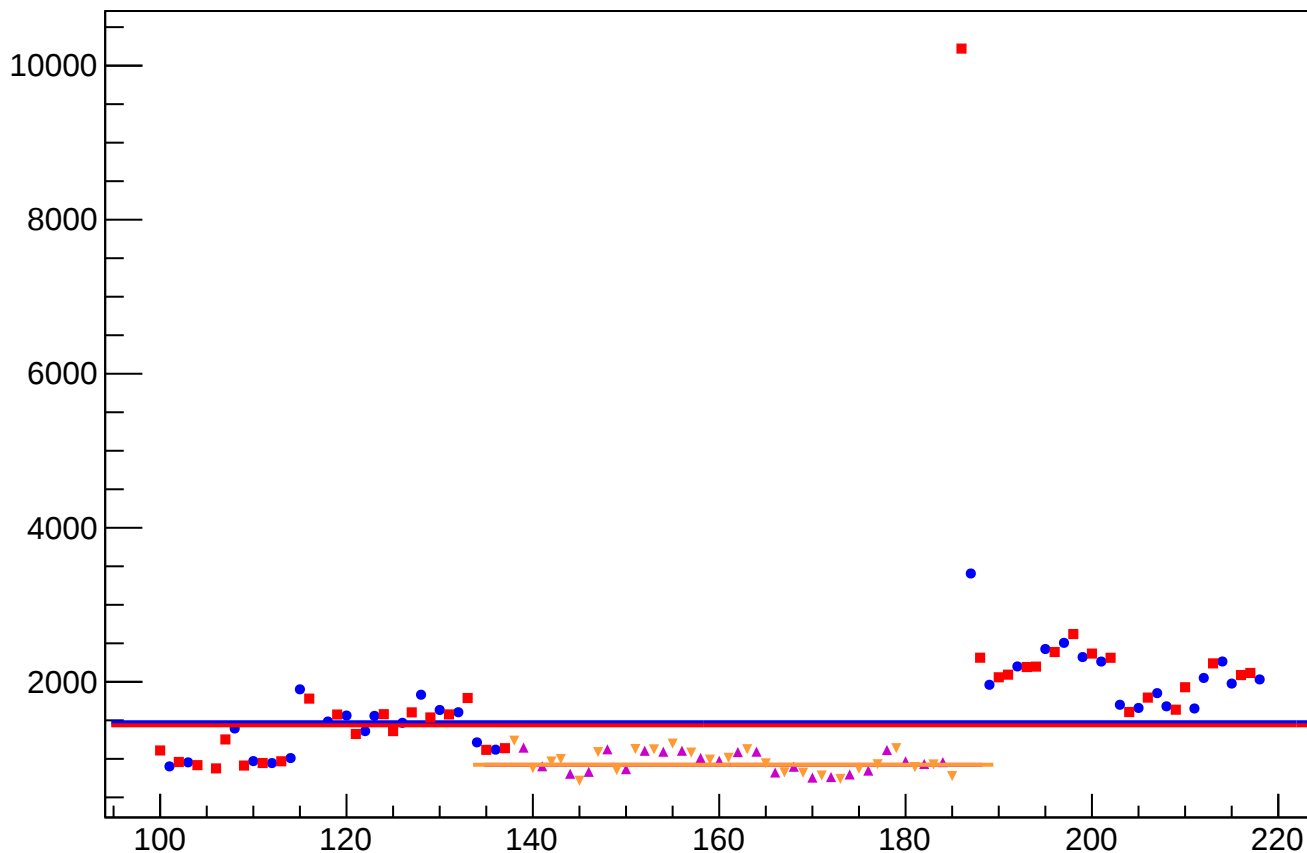
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -1022.446 ± 187.267 χ^2/NDF : 99.2/57

All: -817.706 ± 133.078 χ^2/NDF : 184.7/116

- sign -608.828 ± 189.149 χ^2/NDF : 83.1/58

asym_sam_48_dd_correction_rms vs Slug



Right In: 1475.241+/-0.259 χ^2/NDF : 3548411.2/32

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1435.448+/-0.252 χ^2/NDF : 4747995.9/35

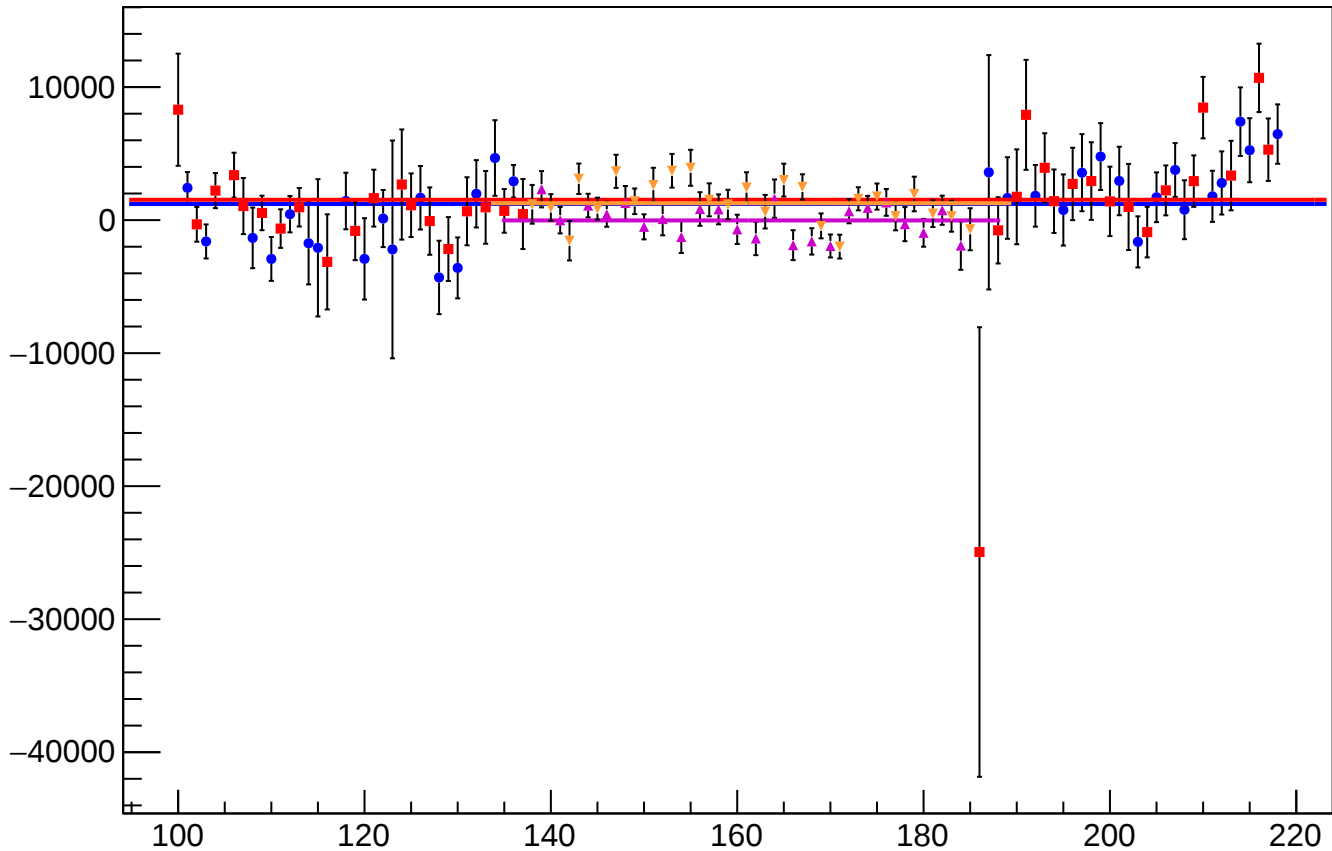
Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

+ sign 1068.244+/-0.132 χ^2/NDF : 7748863.0/57

All: 1067.729+/-0.094 χ^2/NDF : 16115613.7/100

- sign 1067.204+/-0.134 χ^2/NDF : 8366720.2/58

asym_sam_48_dd_mean vs Slug



Right In: 1212.278+/-367.214 χ^2/NDF : 51.1/32

Left Out: 1267.344+/-220.133 χ^2/NDF : 44.9/24

Right Out: 1530.946+/-357.537 χ^2/NDF : 49.4/35

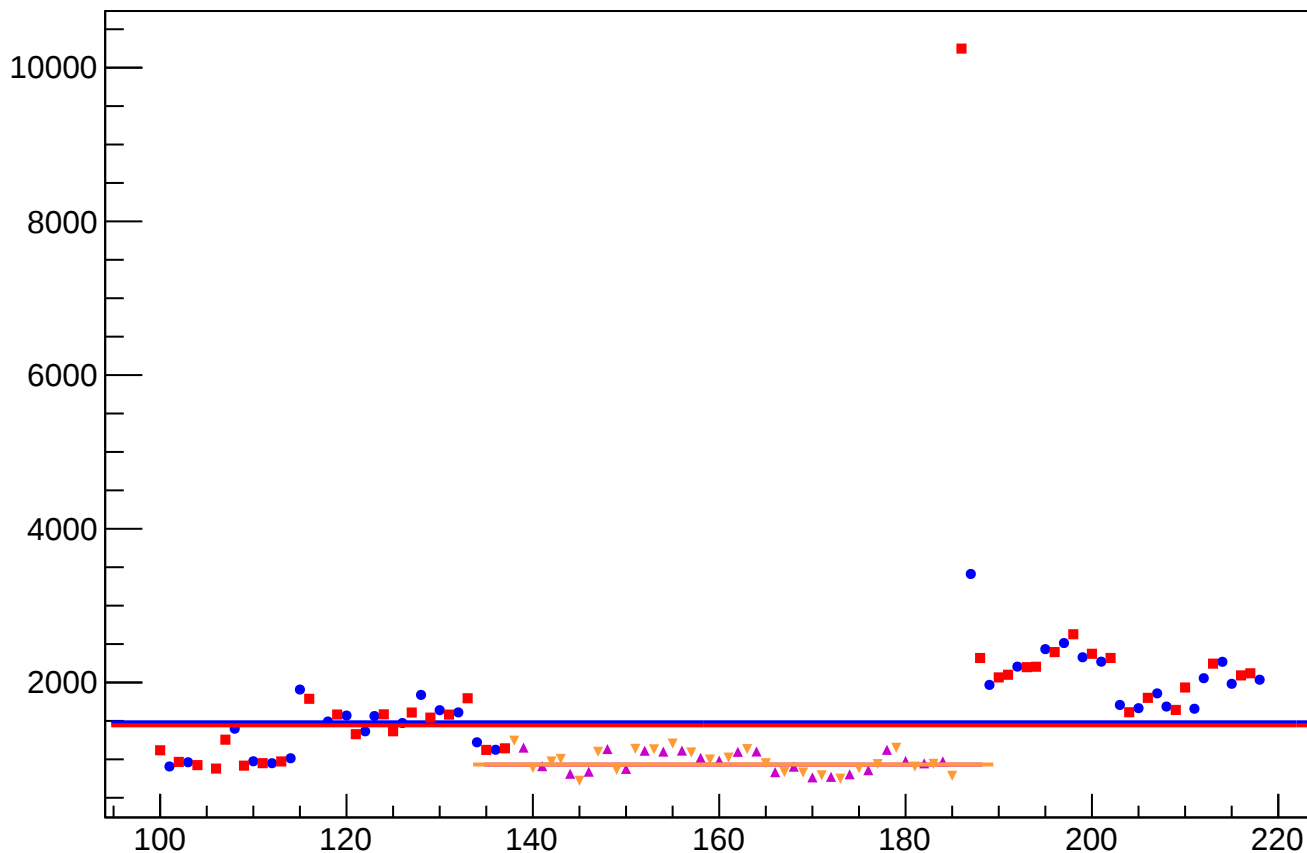
Left In: -23.478+/-225.490 χ^2/NDF : 27.2/22

+ sign 1252.786+/-188.807 χ^2/NDF : 96.1/57

All: 840.042+/-134.180 χ^2/NDF : 195.9/116

- sign 418.859+/-190.727 χ^2/NDF : 90.1/58

asym_sam_48_dd_rms vs Slug



Right In: 1481.936 $\pm$ 0.260 χ^2 /NDF: 3524070.2/32

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1442.551 $\pm$ 0.253 χ^2 /NDF: 4718111.7/35

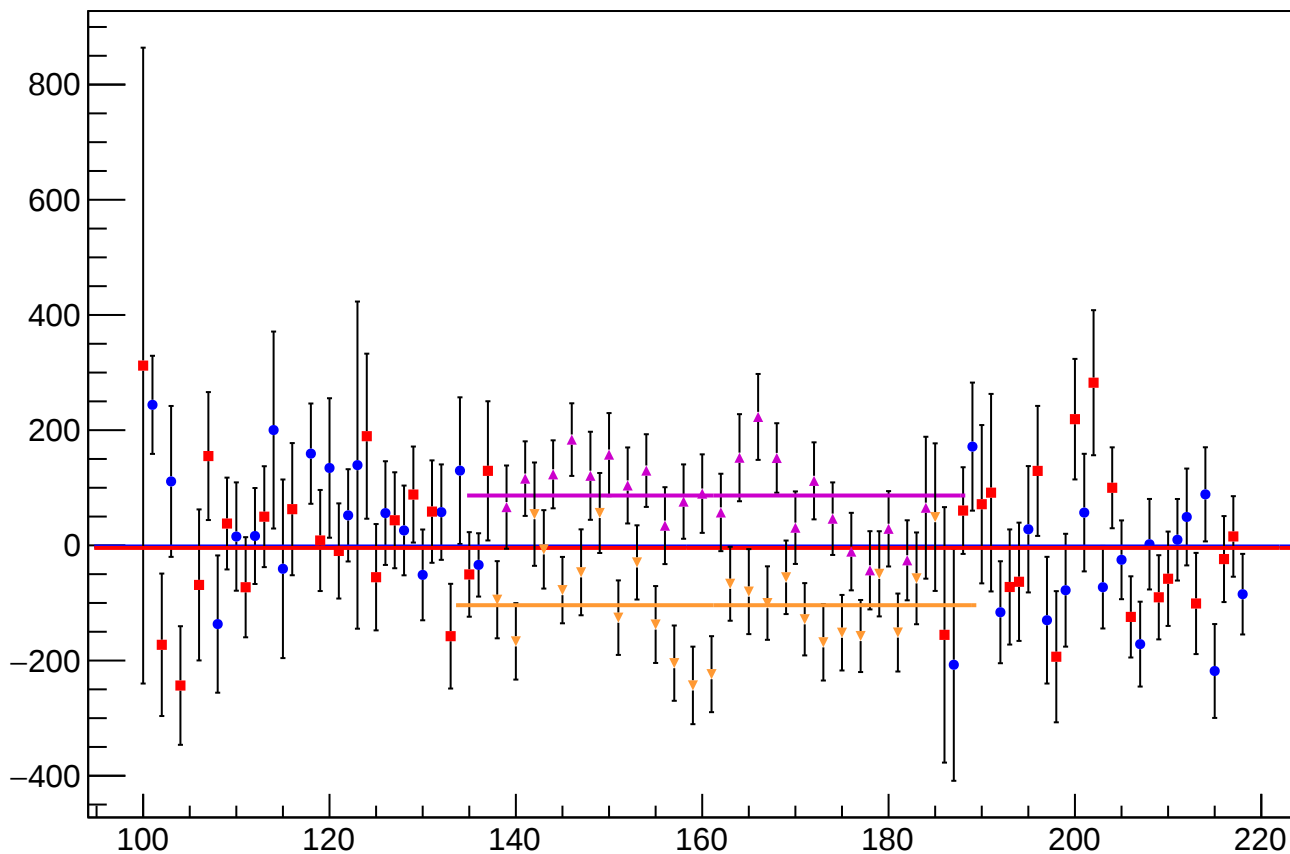
Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

+ sign 1077.944 $\pm$ 0.134 χ^2 /NDF: 7644454.8/57

All: 1077.438 $\pm$ 0.095 χ^2 /NDF: 15910505.3/100

- sign 1076.923 $\pm$ 0.135 χ^2 /NDF: 8266021.5/58

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: -4.433 ± 15.669 $\chi^2/\text{NDF}: 45.0/35$

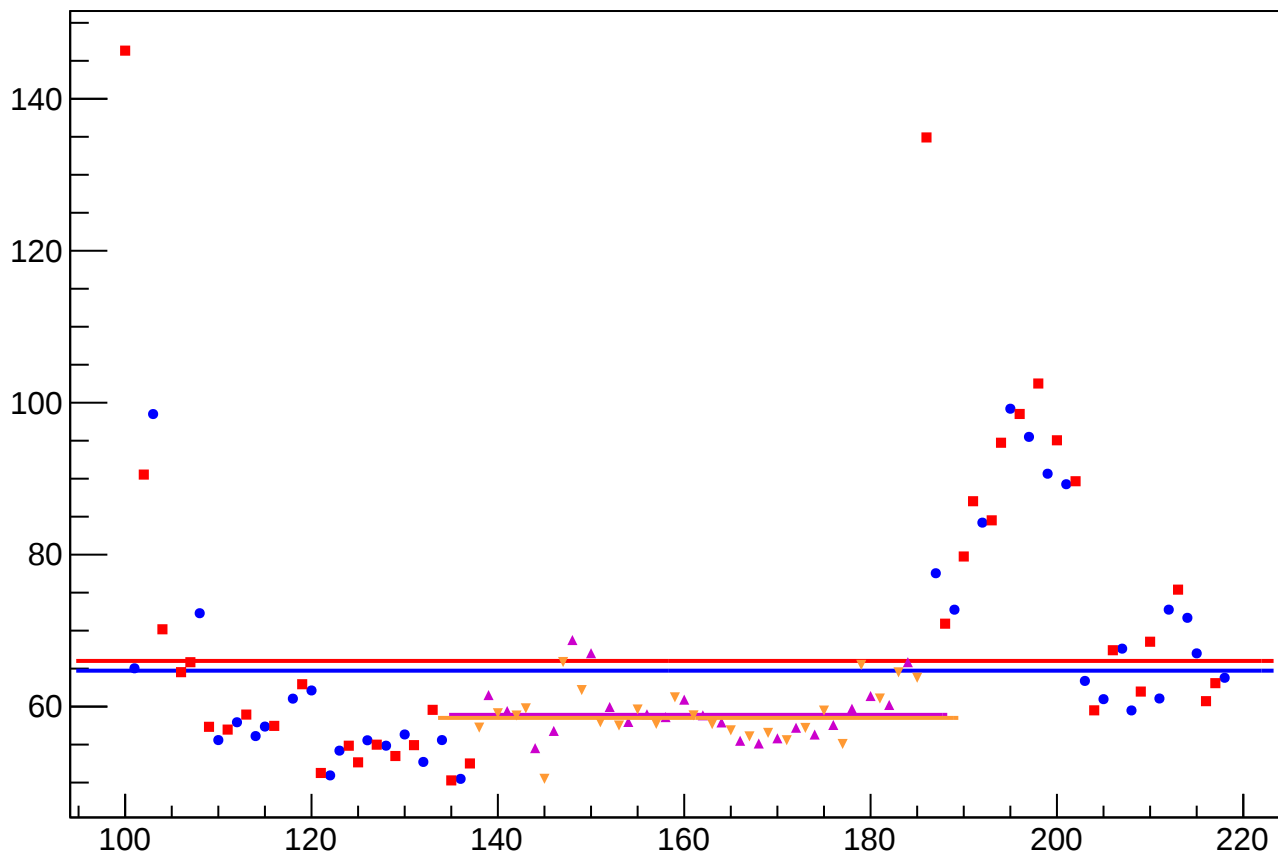
Left In: 86.542 ± 14.120 $\chi^2/\text{NDF}: 21.4/22$

+ sign -59.439 ± 10.245 $\chi^2/\text{NDF}: 98.4/57$

All: -8.074 ± 7.329 $\chi^2/\text{NDF}: 234.9/116$

- sign 45.773 ± 10.489 $\chi^2/\text{NDF}: 84.9/58$

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: 66.011 $\pm$ 0.011 χ^2 /NDF: 1687213.1/35

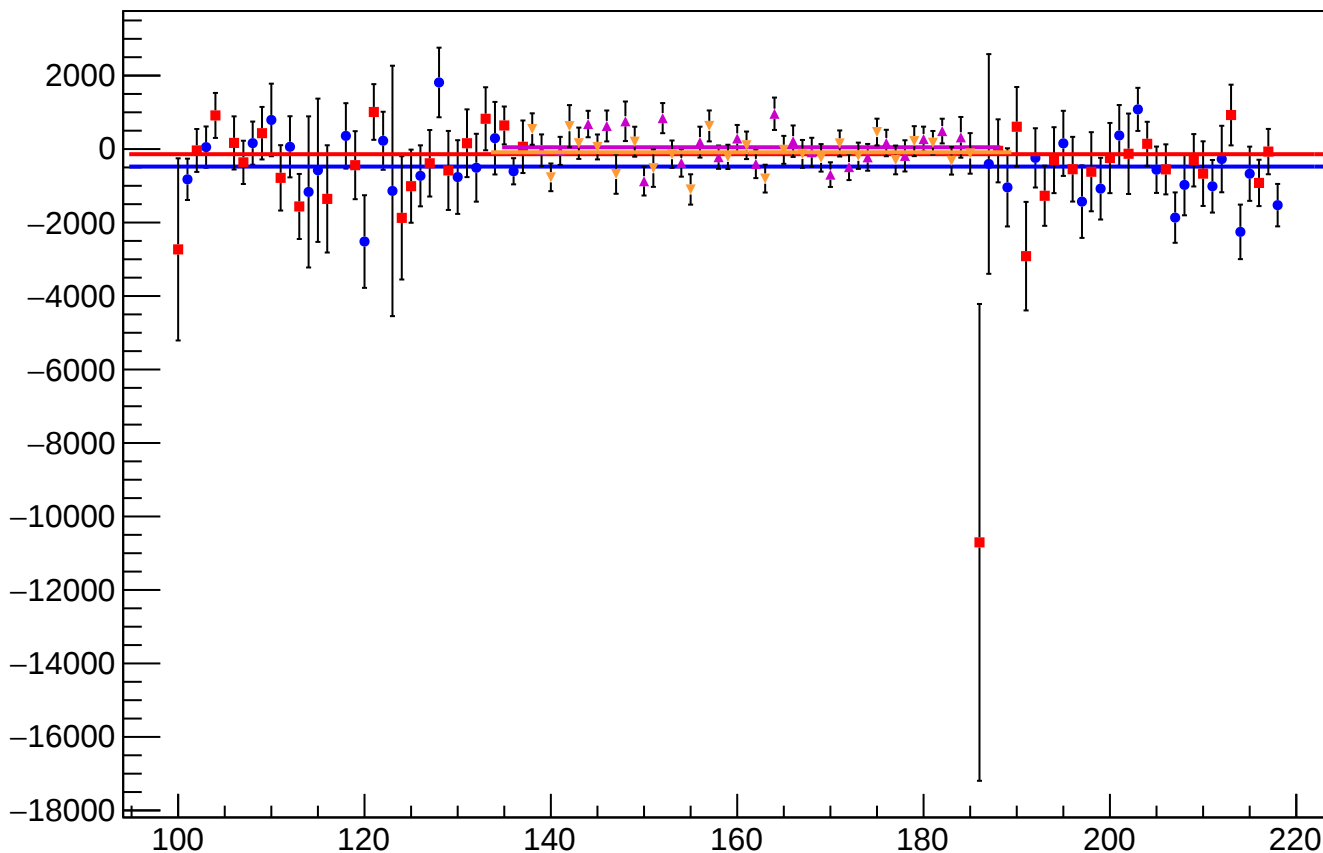
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 61.223 $\pm$ 0.007 χ^2 /NDF: 1599597.4/57

All: 61.648 $\pm$ 0.005 χ^2 /NDF: 3630316.9/116

- sign 62.094 $\pm$ 0.007 χ^2 /NDF: 2023659.2/58

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: -139.714 ± 135.507 χ^2/NDF : 30.3/35

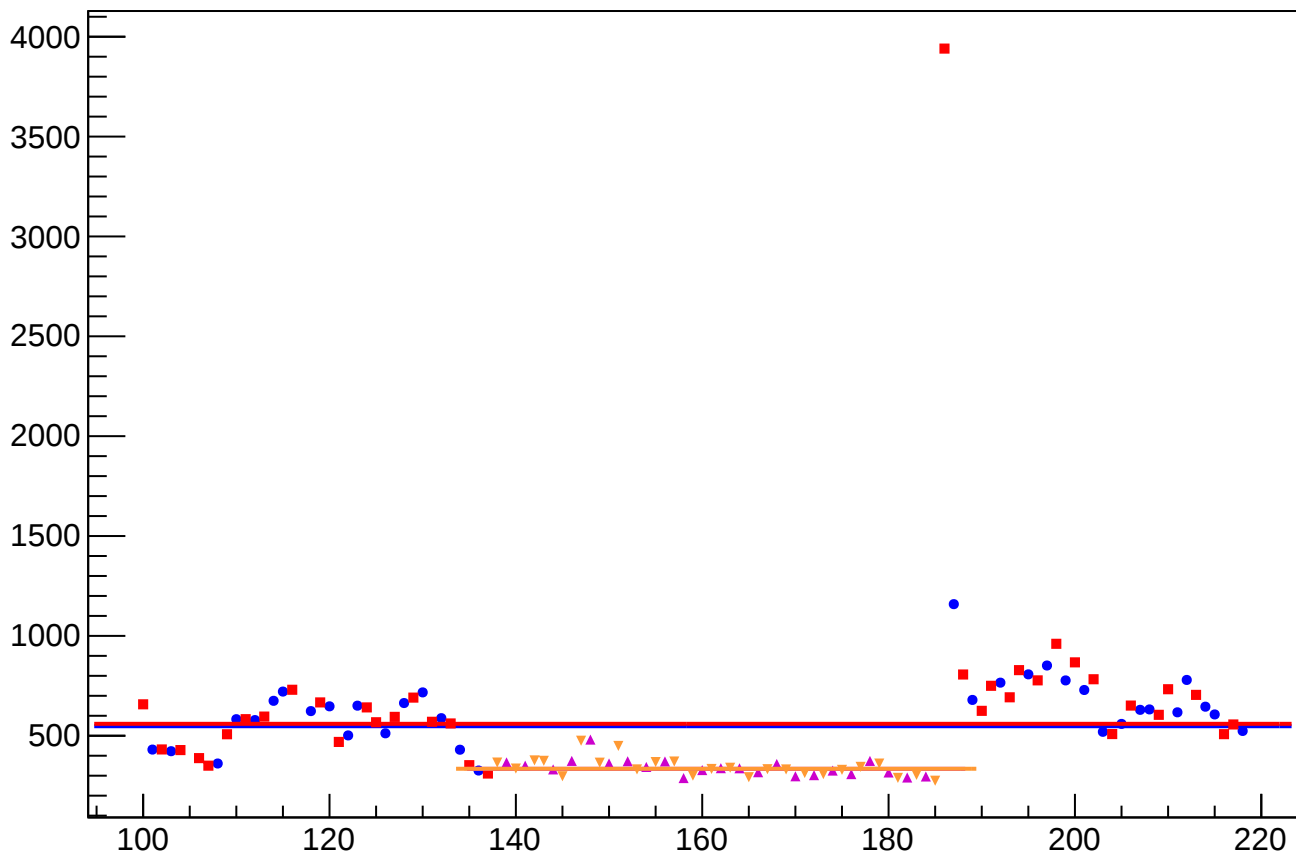
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -187.376 ± 67.730 χ^2/NDF : 74.4/57

All: -95.977 ± 48.417 χ^2/NDF : 145.2/116

- sign -0.461 ± 69.239 χ^2/NDF : 67.1/58

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: 559.719 $\pm$ 0.096 χ^2 /NDF: 3141473.8/35

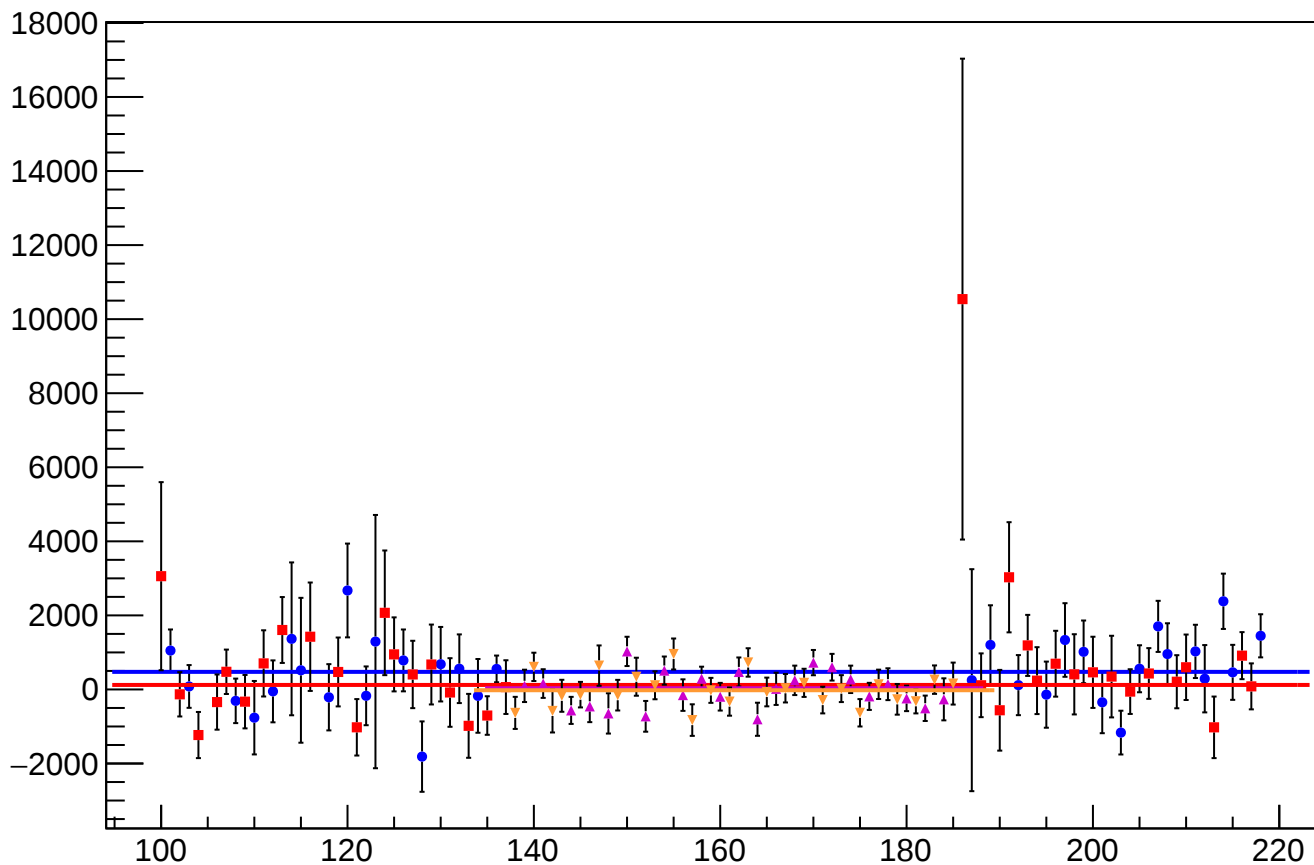
Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

+ sign 389.404 $\pm$ 0.048 χ^2 /NDF: 6736408.3/57

All: 391.182 $\pm$ 0.034 χ^2 /NDF: 14373082.9/1

- sign 393.040 $\pm$ 0.049 χ^2 /NDF: 7633856.3/58

asym_sam_13_57_dd_mean vs Slug



Right In: 474.902 ± 134.940 χ^2/NDF : 40.5/32

Left Out: -20.895 ± 79.812 χ^2/NDF : 27.2/24

Right Out: 121.865 ± 136.823 χ^2/NDF : 33.5/35

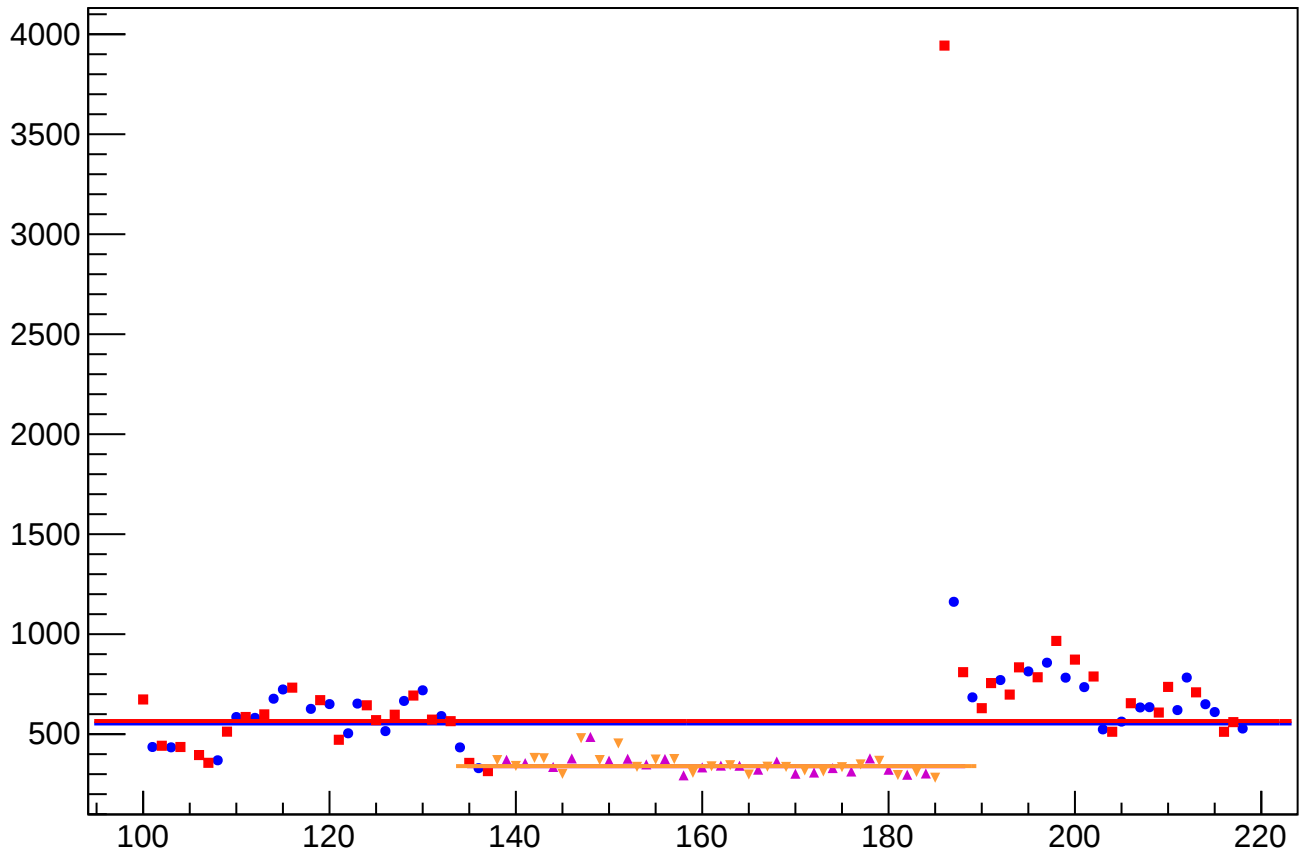
Left In: 31.800 ± 81.839 χ^2/NDF : 34.0/22

+ sign 107.598 ± 68.695 χ^2/NDF : 77.7/57

All: 82.142 ± 49.110 χ^2/NDF : 145.9/116

- sign 55.532 ± 70.234 χ^2/NDF : 67.9/58

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: 565.686 $\pm$ 0.097 χ^2 /NDF: 3071430.8/35

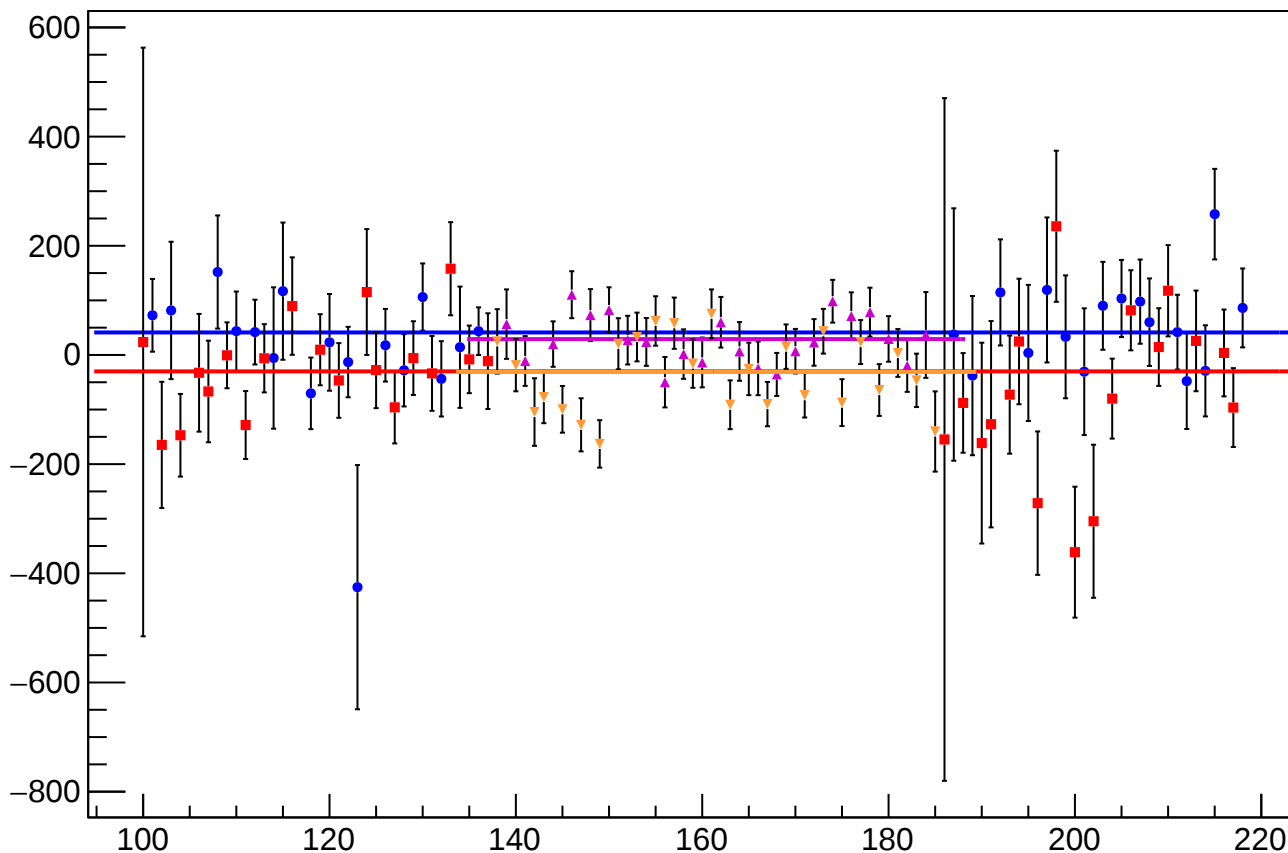
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 395.484 $\pm$ 0.049 χ^2 /NDF: 6570885.2/57

All: 397.296 $\pm$ 0.035 χ^2 /NDF: 14046121.6/1

- sign 399.189 $\pm$ 0.050 χ^2 /NDF: 7472392.6/58

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: -30.083 ± 14.084 $\chi^2/\text{NDF}: 44.6/35$

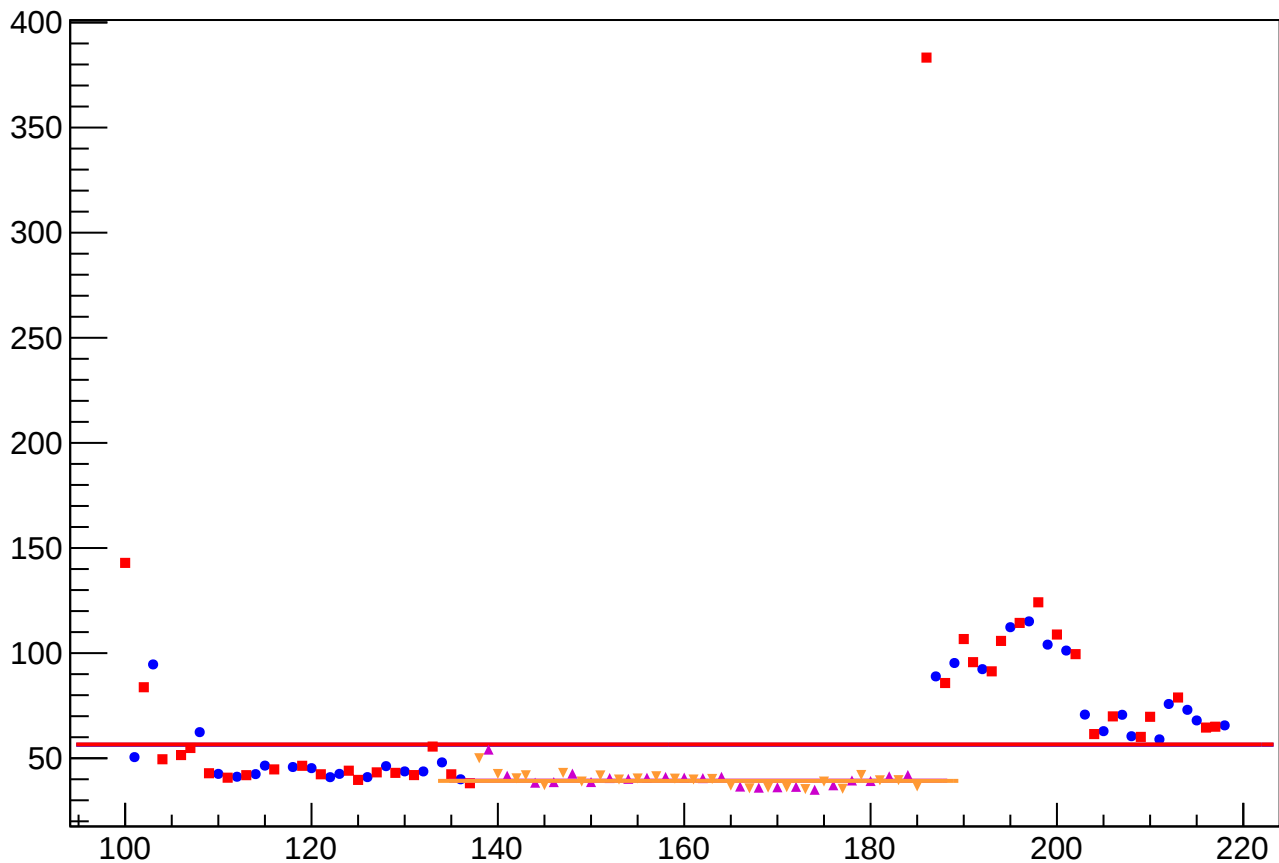
Left In: 29.055 ± 9.449 $\chi^2/\text{NDF}: 22.4/22$

+ sign -9.427 ± 7.676 $\chi^2/\text{NDF}: 97.4/57$

All: 0.414 ± 5.487 $\chi^2/\text{NDF}: 180.0/116$

- sign 10.697 ± 7.847 $\chi^2/\text{NDF}: 79.2/58$

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: 56.567 $\pm$ 0.010 χ^2 /NDF: 4568923.4/35

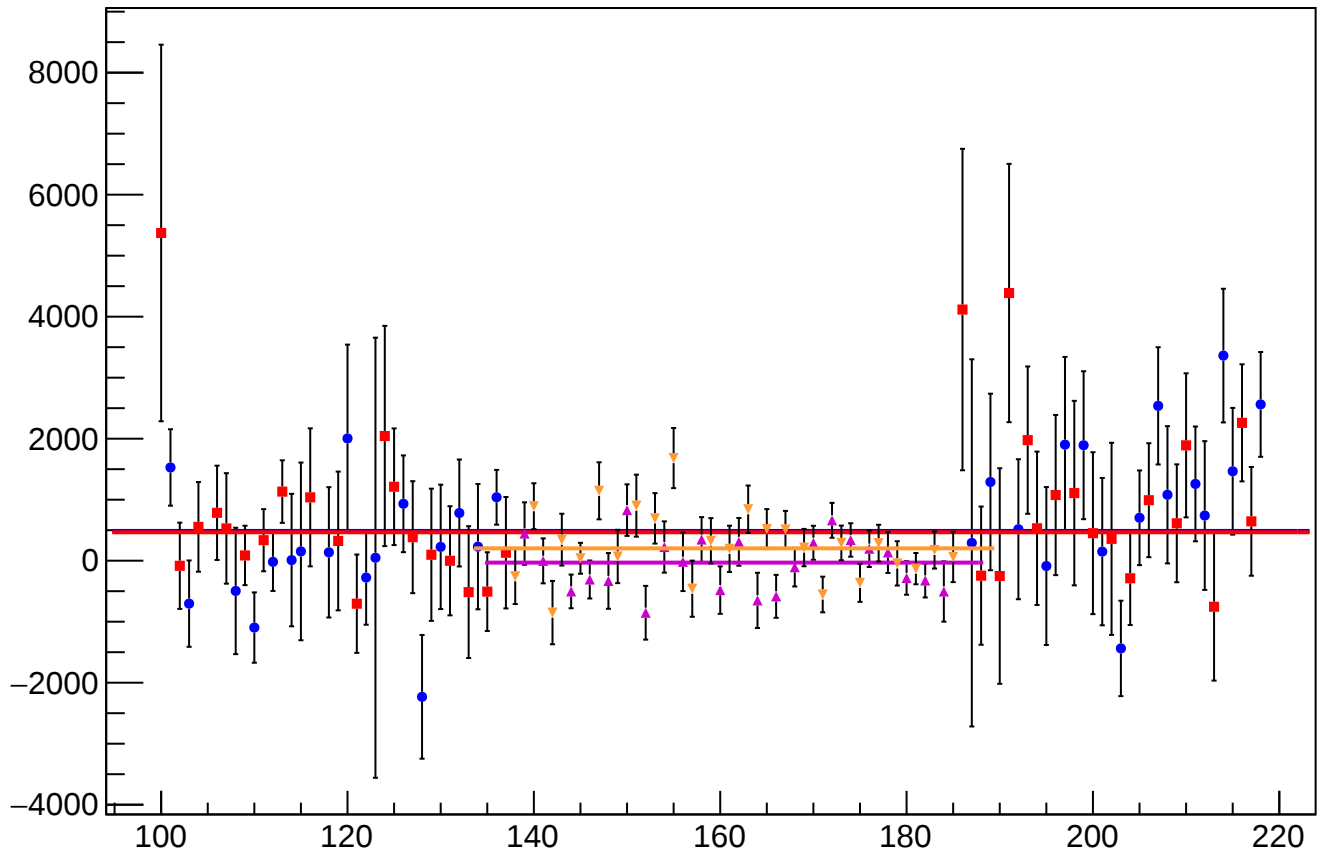
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 44.374 $\pm$ 0.005 χ^2 /NDF: 5863770.0/57

All: 44.527 $\pm$ 0.004 χ^2 /NDF: 12713935.7/116

- sign 44.687 $\pm$ 0.006 χ^2 /NDF: 6848545.0/58

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: 465.903 ± 151.778 χ^2/NDF : 28.3/35

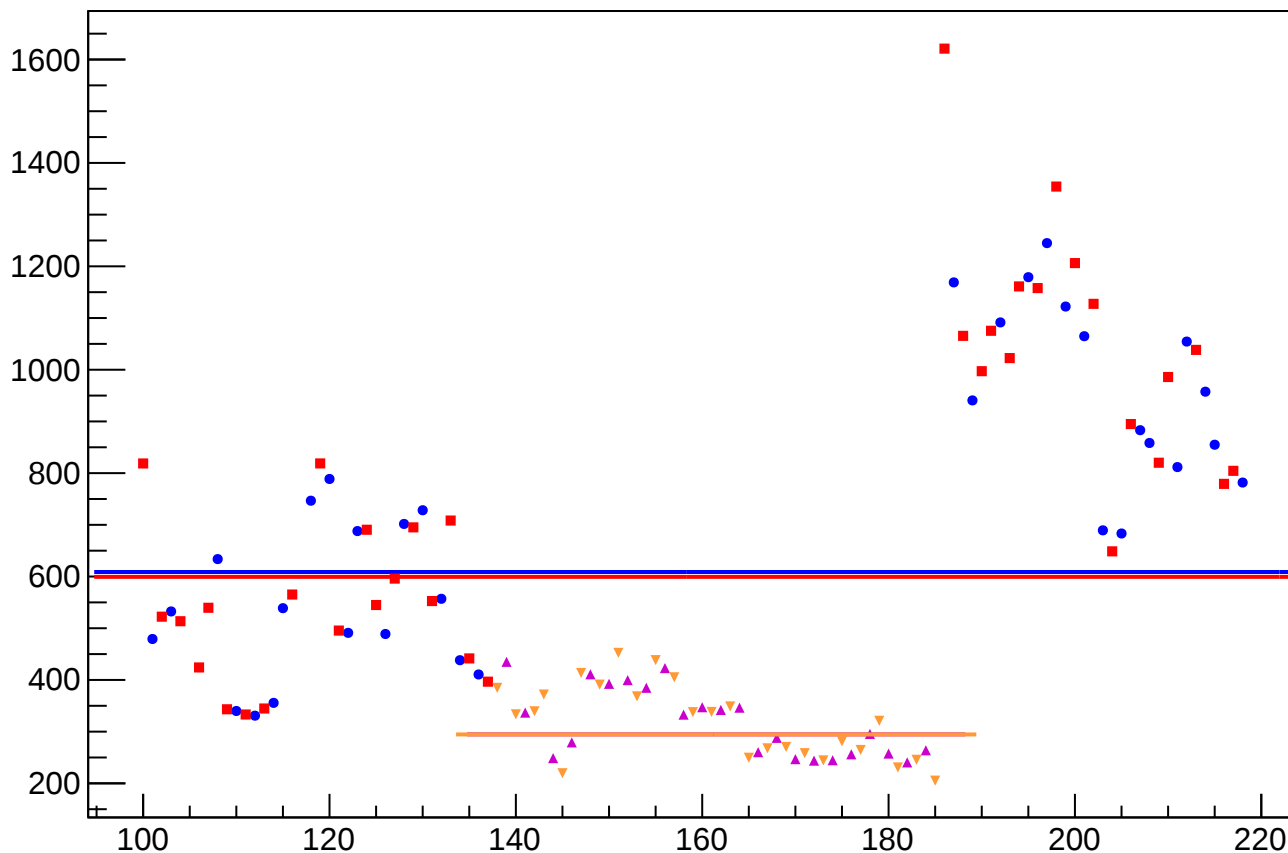
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 251.429 ± 64.086 χ^2/NDF : 102.6/57

All: 157.272 ± 45.679 χ^2/NDF : 177.4/116

- sign 60.038 ± 65.125 χ^2/NDF : 70.4/58

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: 599.398+/-0.107 χ^2/NDF : 6103784.0/35

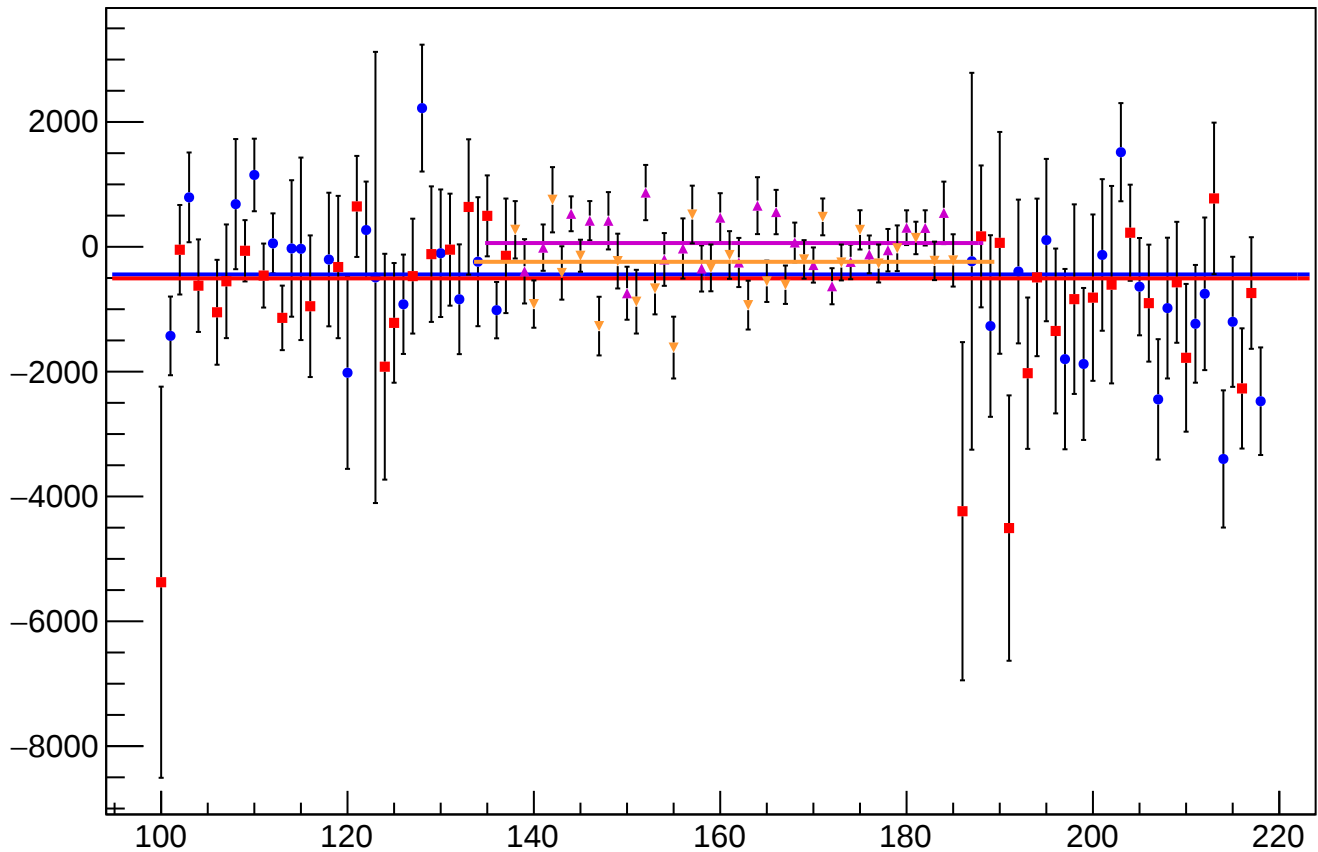
Left In: 294.722+/-0.051 χ^2/NDF : 1297310.3/22

+ sign 348.610+/-0.045 χ^2/NDF : 13520763.0/57

All: 349.696+/-0.032 χ^2/NDF : 27498354.7/11

- sign 350.816+/-0.046 χ^2/NDF : 13976426.0/58

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: -506.046 ± 153.092 χ^2/NDF : 27.8/35

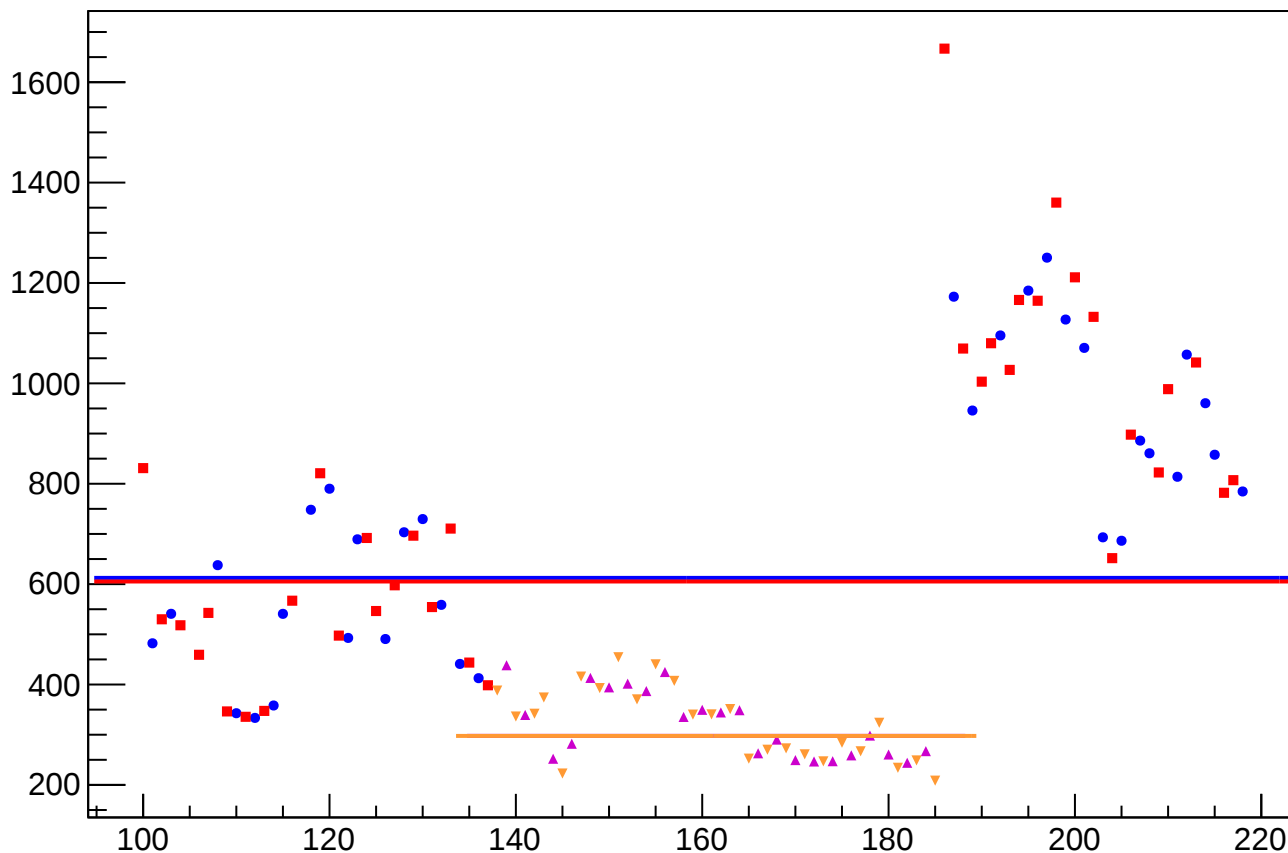
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -275.447 ± 64.655 χ^2/NDF : 98.6/57

All: -161.691 ± 46.095 χ^2/NDF : 174.7/116

- sign -44.097 ± 65.736 χ^2/NDF : 69.8/58

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: 605.278+/-0.108 χ^2/NDF : 6028286.9/35

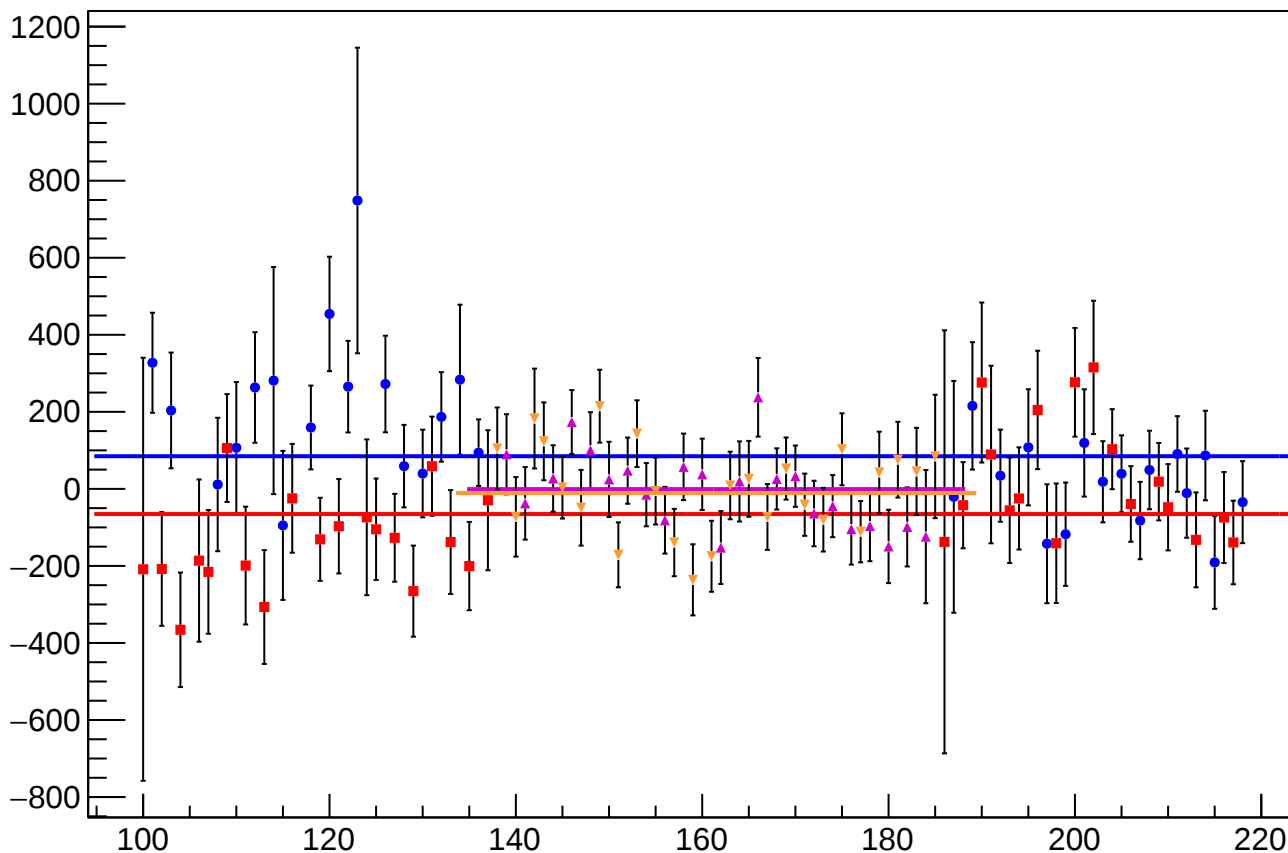
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 352.110+/-0.046 χ^2/NDF : 13389217.1/57

All: 353.241+/-0.033 χ^2/NDF : 27269675.3/11

- sign 354.410+/-0.046 χ^2/NDF : 13879213.5/58

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 84.796 $\pm$ 22.174 χ^2 /NDF: 39.3/32

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -65.350 $\pm$ 22.639 χ^2 /NDF: 39.2/35

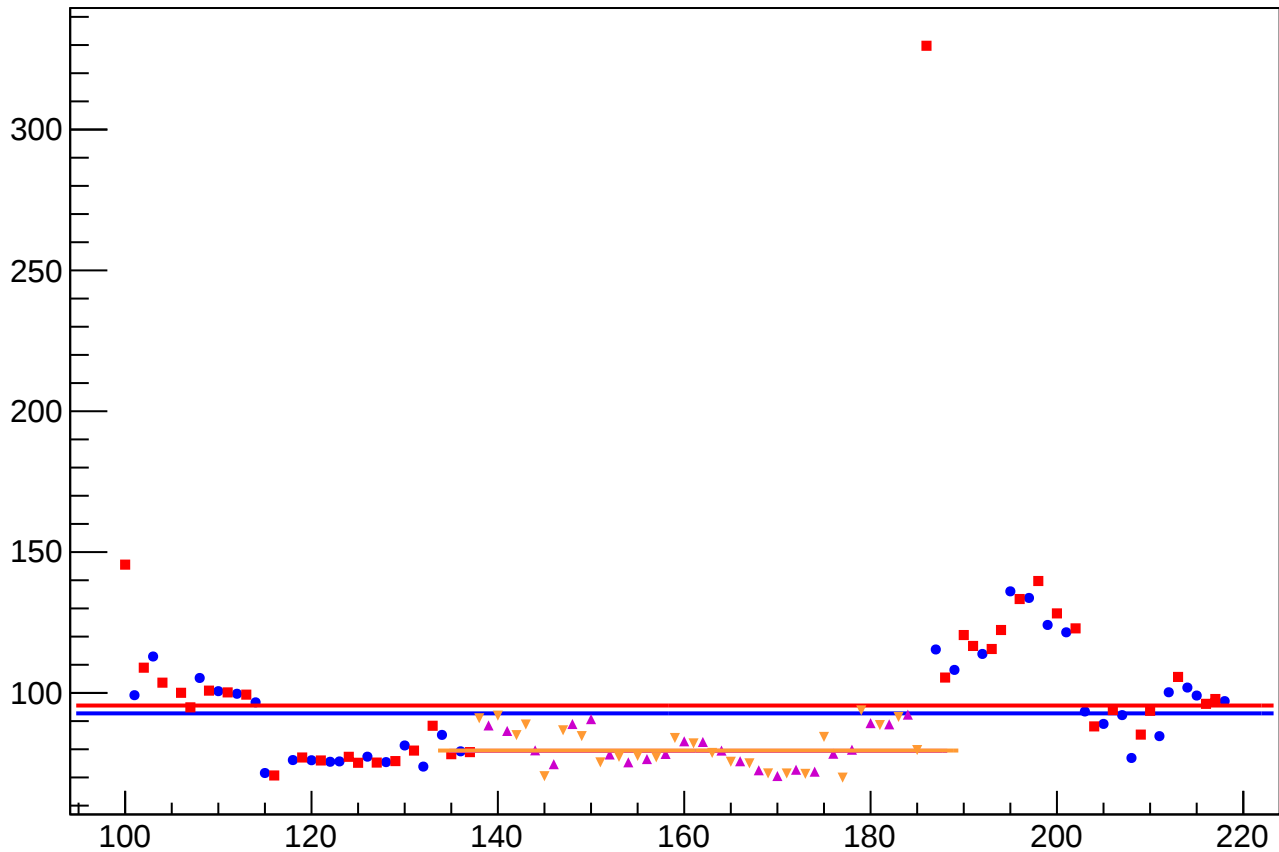
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 28.785 $\pm$ 14.255 χ^2 /NDF: 86.6/57

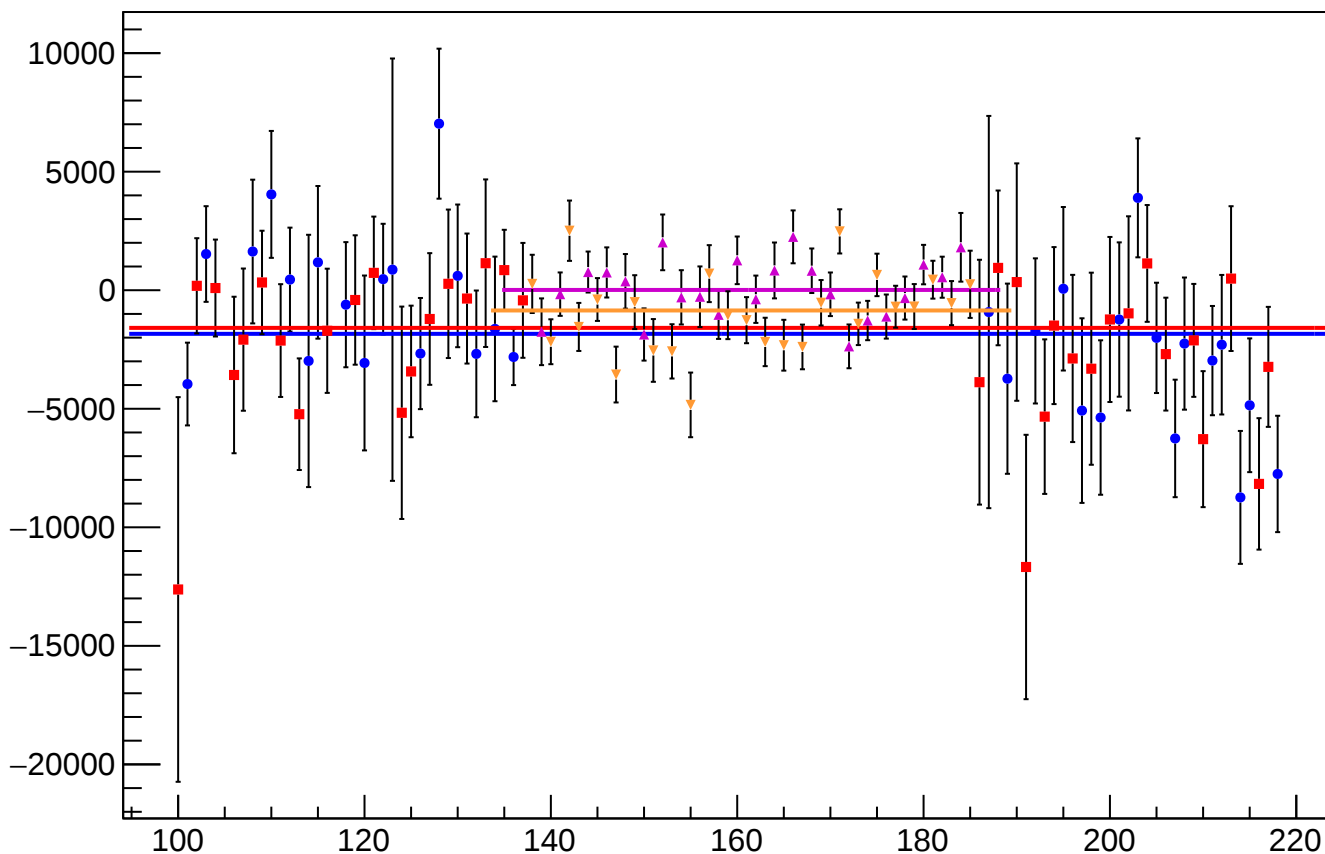
All: 1.309 $\pm$ 10.198 χ^2 /NDF: 161.9/116

- sign -27.494 $\pm$ 14.595 χ^2 /NDF: 67.7/58

reg_asym_sam_24_68_dd_rms vs Slug



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: -1588.308 ± 467.477 χ^2/NDF : 29.2/35

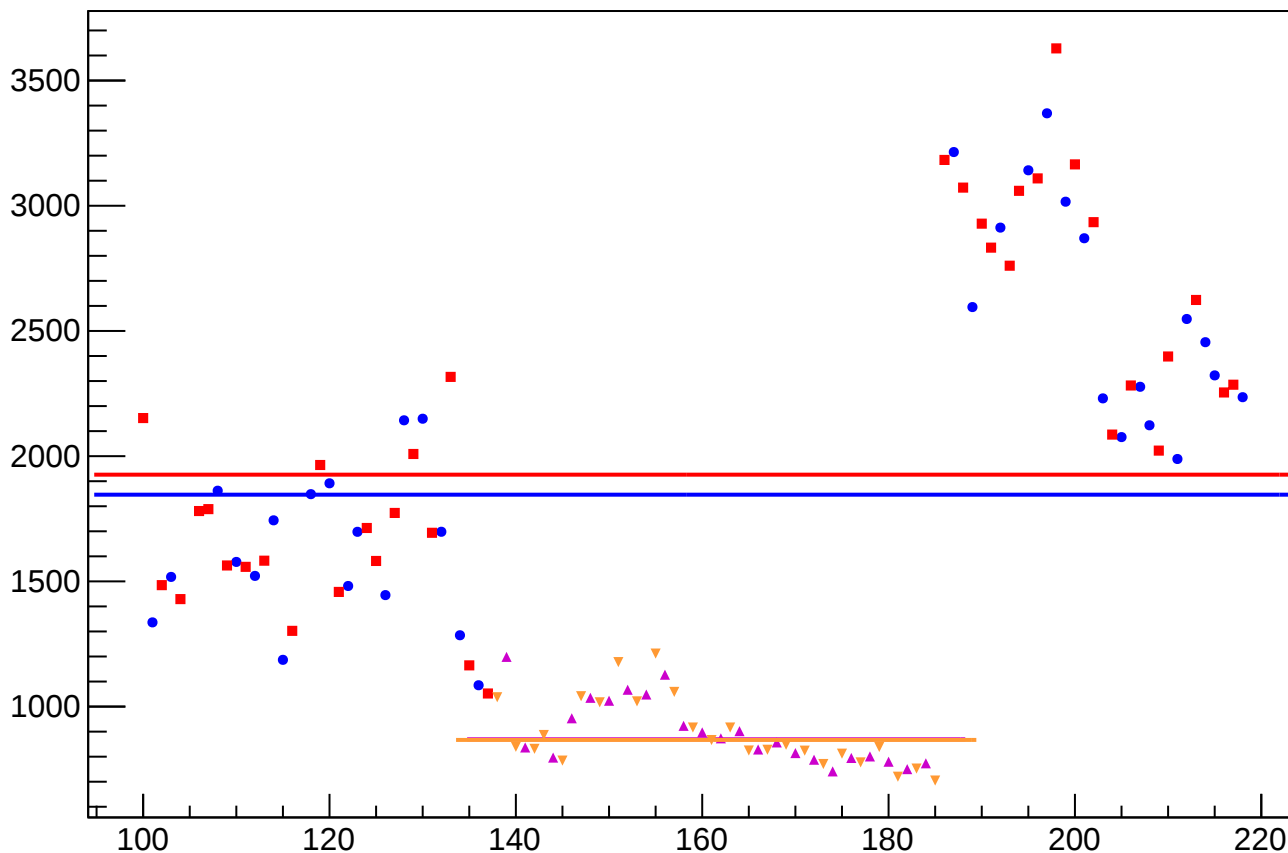
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -1018.555 ± 186.290 χ^2/NDF : 107.2/57

All: -648.570 ± 133.570 χ^2/NDF : 185.5/116

- sign -257.129 ± 191.615 χ^2/NDF : 70.1/58

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

Right Out: 1926.146 $\pm$ 0.331 χ^2 /NDF: 3404627.8/35

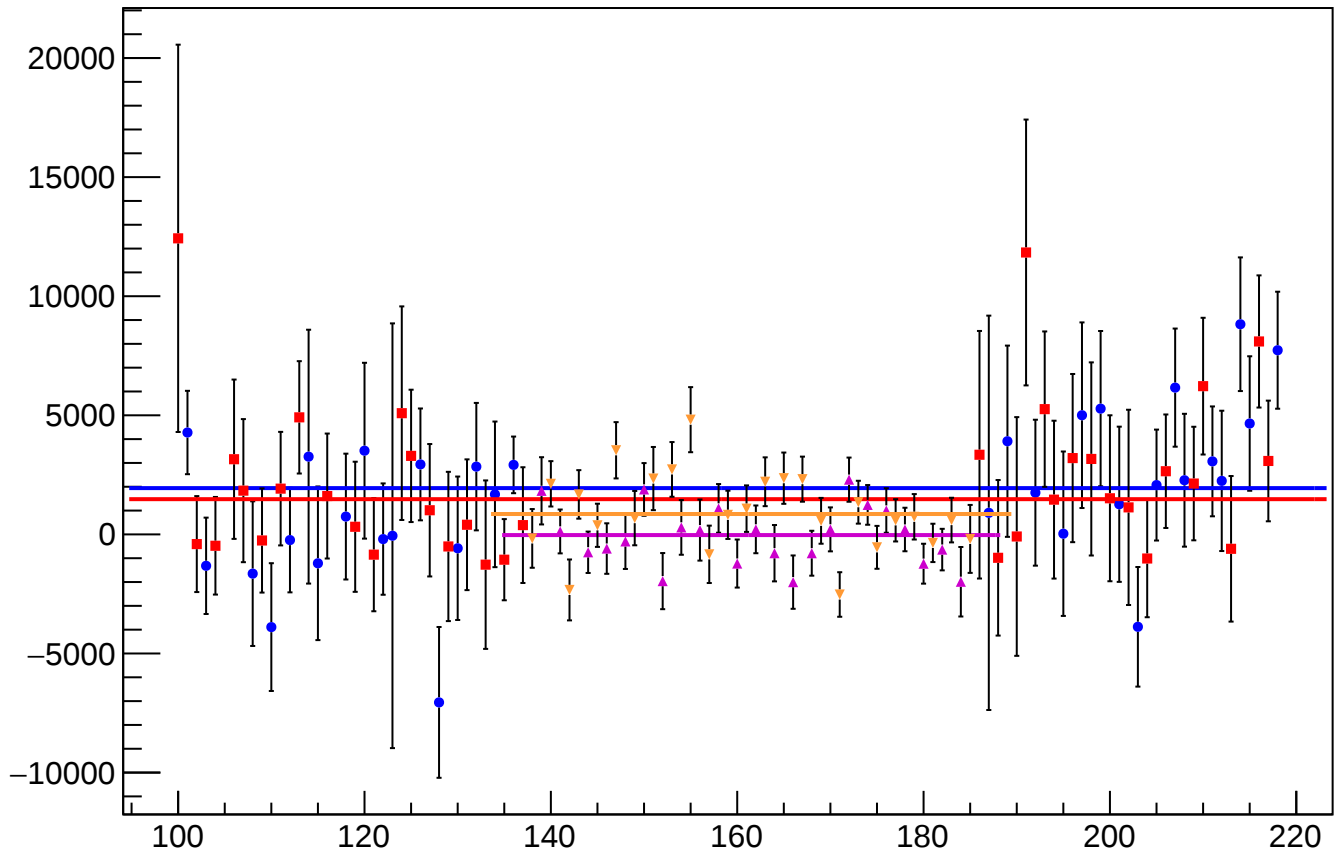
Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

+ sign 1030.274 $\pm$ 0.132 χ^2 /NDF: 11642200.2/57

All: 1038.443 $\pm$ 0.094 χ^2 /NDF: 24137252.3/100

- sign 1047.085 $\pm$ 0.135 χ^2 /NDF: 12487137.6/58

asym_sam_24_68_dd_mean vs Slug



Right In: 1943.278 $\pm$ 456.825 χ^2/NDF : 46.8/32

Left Out: 855.664 $\pm$ 205.047 χ^2/NDF : 54.1/24

Right Out: 1479.015 $\pm$ 468.309 χ^2/NDF : 29.1/35

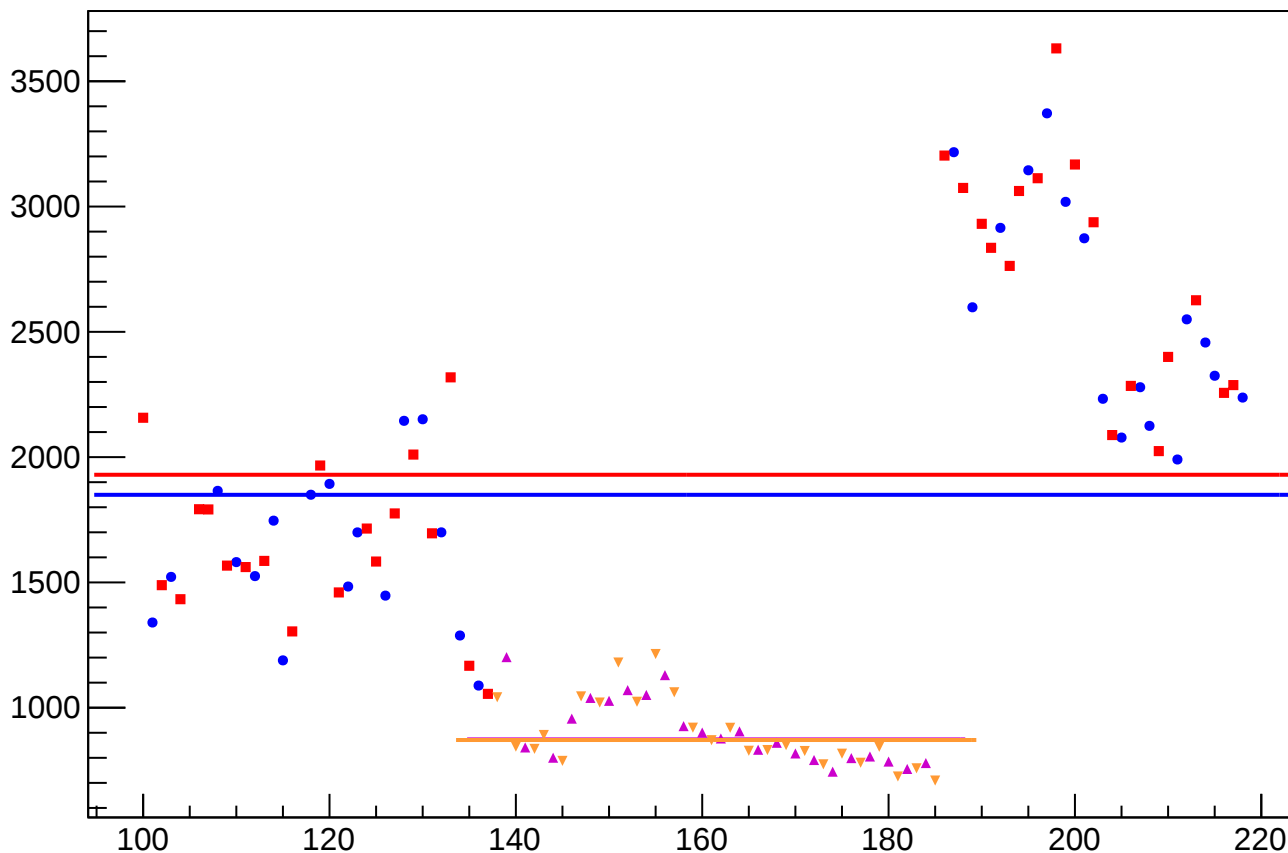
Left In: -28.553 $\pm$ 211.034 χ^2/NDF : 29.7/22

+ sign 1038.041 $\pm$ 187.067 χ^2/NDF : 105.6/57

All: 643.389 $\pm$ 134.122 χ^2/NDF : 182.3/116

- sign 225.911 $\pm$ 192.401 χ^2/NDF : 67.5/58

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

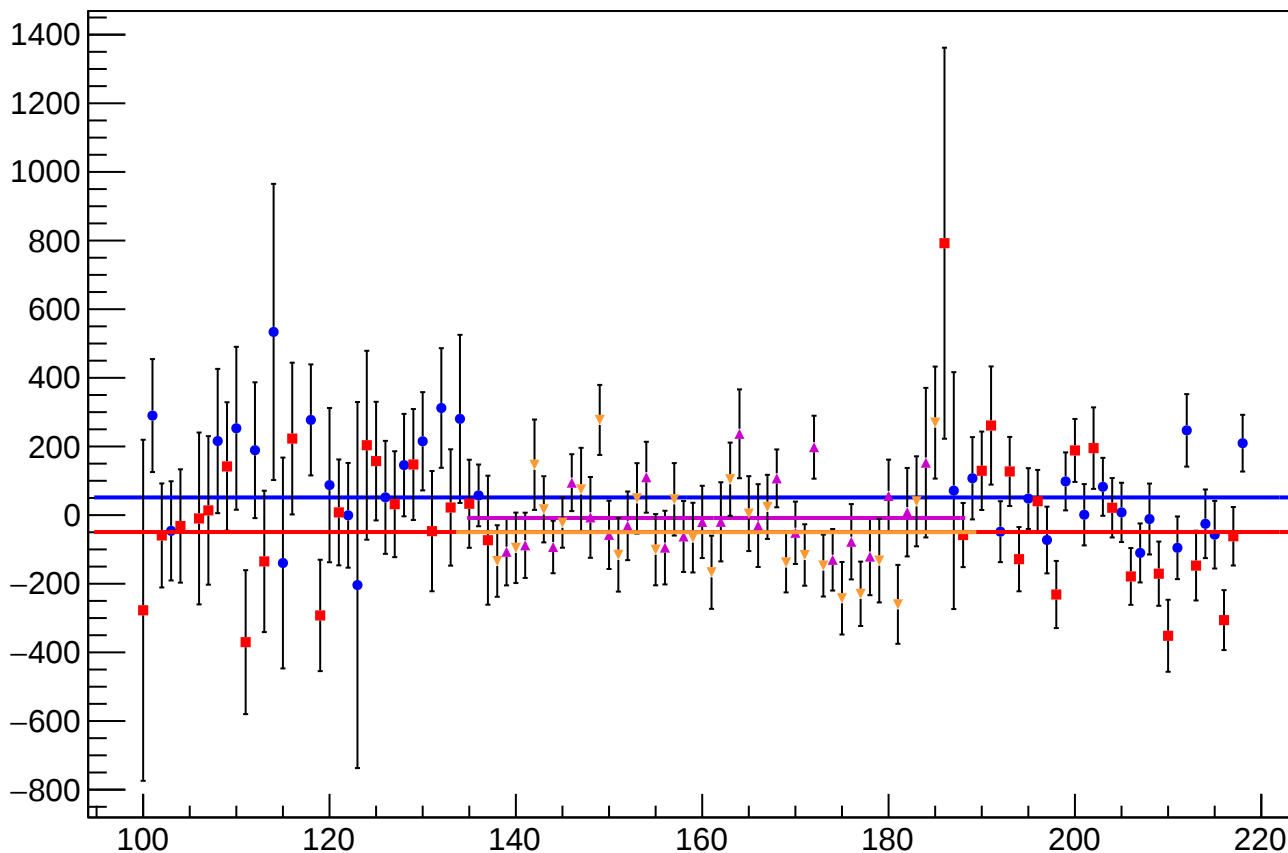
Right Out: 1929.646 $\pm$ 0.331 χ^2 /NDF: 3394537.7/35

All: 1043.316 $\pm$ 0.095 χ^2 /NDF: 24001215.1/100

Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

- sign 1051.913 $\pm$ 0.136 χ^2 /NDF: 12420737.9/58

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 51.517 ± 20.669 χ^2/NDF : 32.7/32

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: -49.245 ± 20.919 χ^2/NDF : 62.2/35

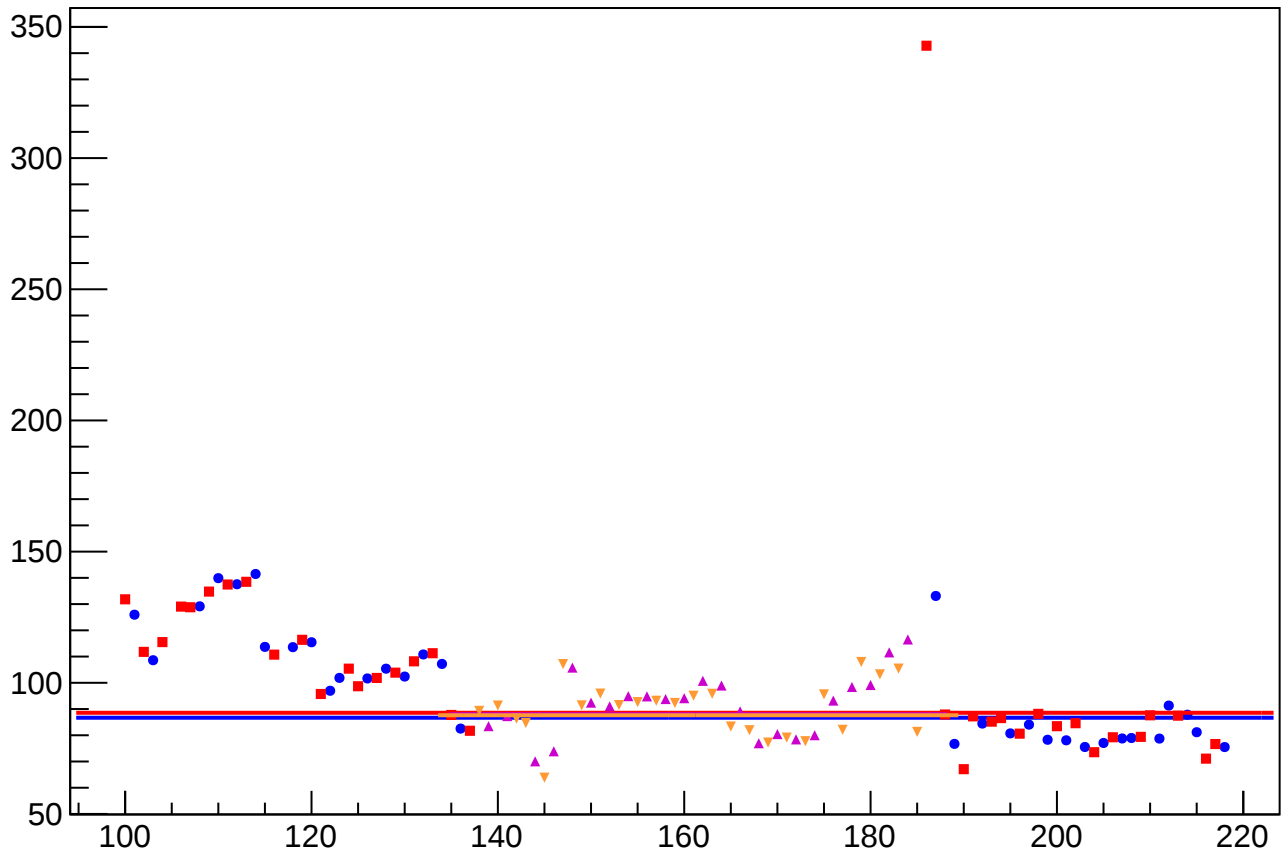
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign 0.681 ± 14.584 χ^2/NDF : 84.1/57

All: -13.892 ± 10.427 χ^2/NDF : 172.2/116

- sign -29.135 ± 14.915 χ^2/NDF : 86.0/58

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: 88.574 $\pm$ 0.015 χ^2 /NDF: 1499527.0/35

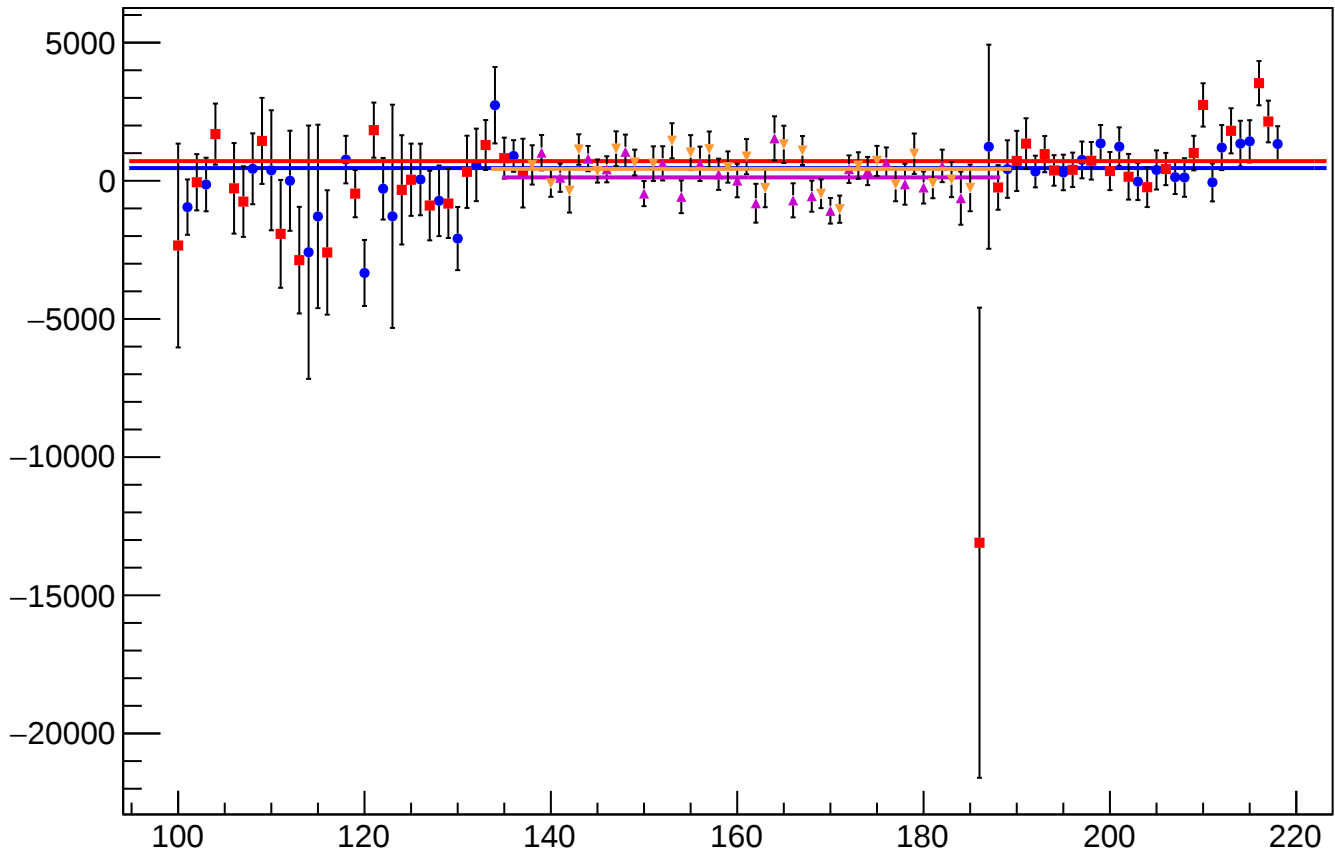
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 87.158 $\pm$ 0.010 χ^2 /NDF: 1556080.9/57

All: 87.720 $\pm$ 0.007 χ^2 /NDF: 3586053.9/116

- sign 88.307 $\pm$ 0.011 χ^2 /NDF: 2023897.2/58

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: 711.903 $\pm$ 150.602 χ^2 /NDF: 51.6/35

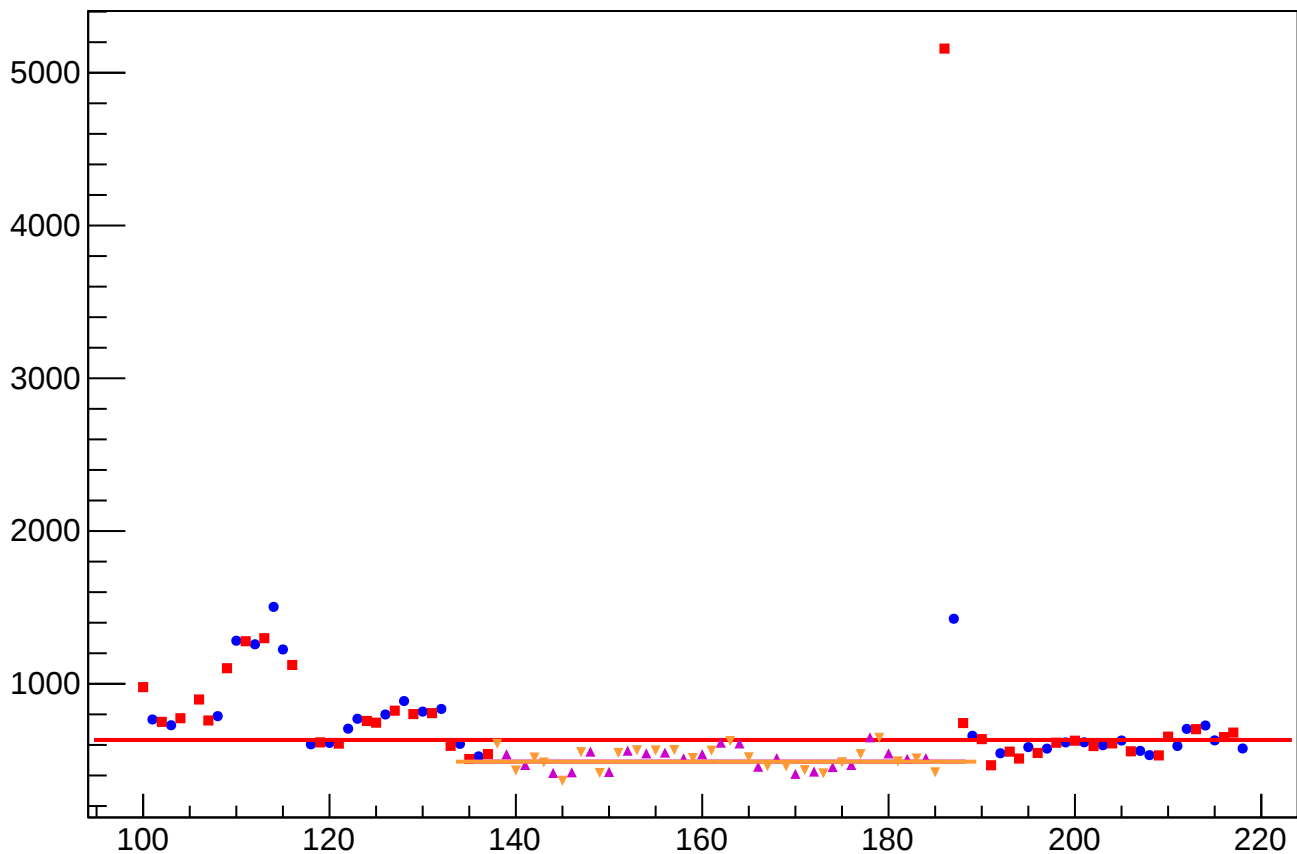
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF: 29.3/22

+ sign 442.288 $\pm$ 91.960 χ^2 /NDF: 64.2/57

All: 396.325 $\pm$ 65.493 χ^2 /NDF: 154.9/116

- sign 349.015 $\pm$ 93.297 χ^2 /NDF: 90.3/58

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 632.522 $\pm$ 0.107 χ^2 /NDF: 1241371.5/32

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 632.445 $\pm$ 0.106 χ^2 /NDF: 2048603.3/35

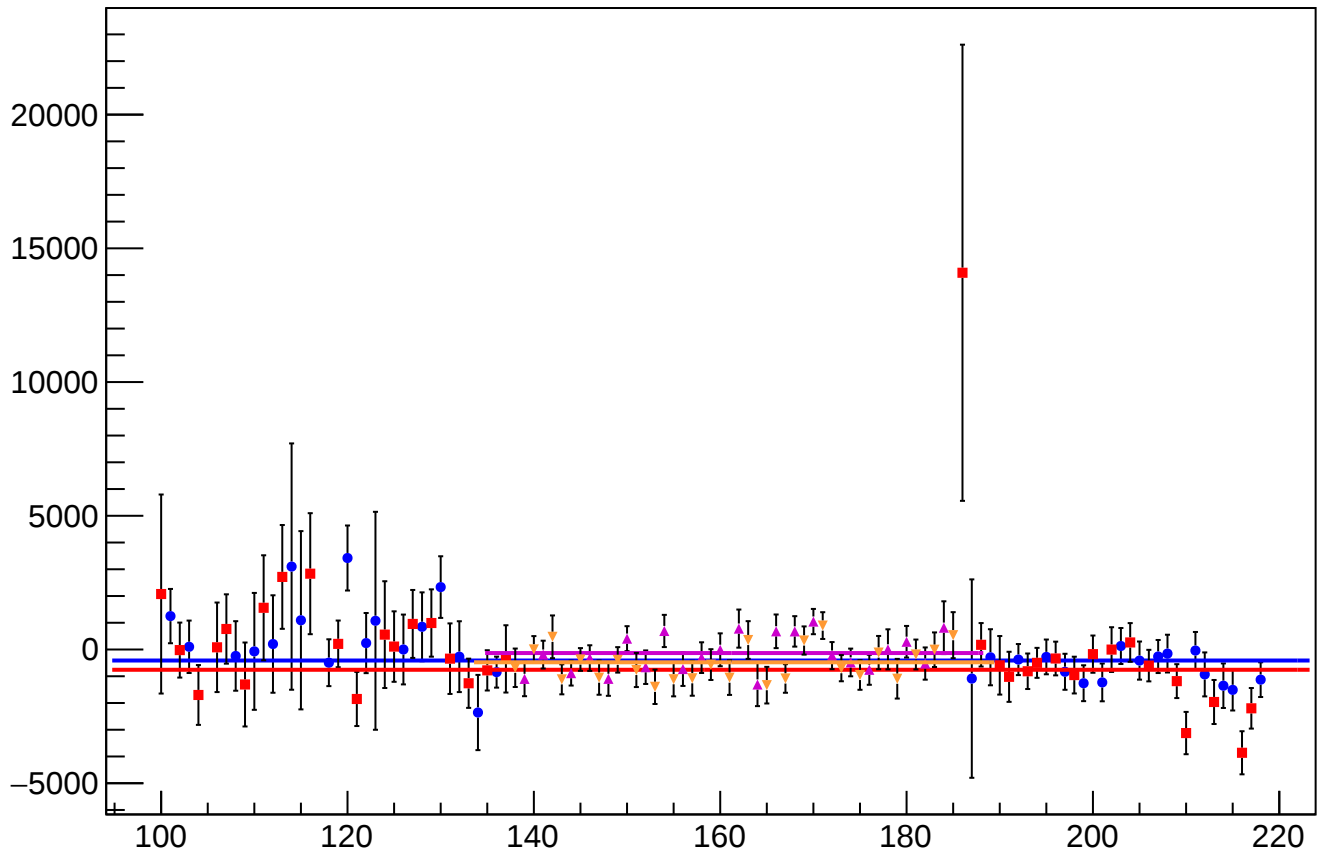
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 542.665 $\pm$ 0.065 χ^2 /NDF: 3105186.4/57

All: 543.927 $\pm$ 0.046 χ^2 /NDF: 6832318.4/116

- sign 545.227 $\pm$ 0.066 χ^2 /NDF: 3726367.0/58

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: -758.043 ± 152.267 χ^2/NDF : 57.0/35

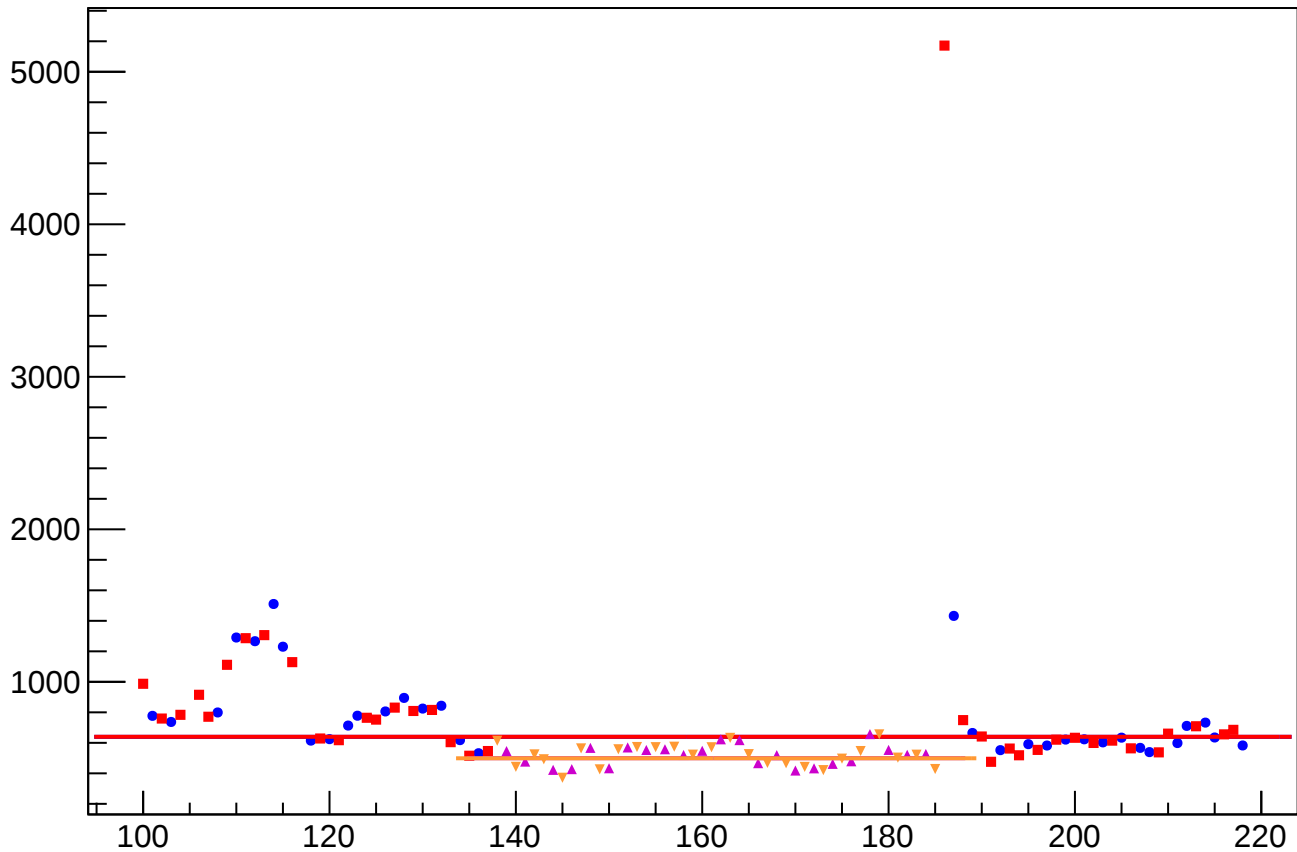
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -453.481 ± 93.287 χ^2/NDF : 60.9/57

All: -414.482 ± 66.447 χ^2/NDF : 158.1/116

- sign -374.320 ± 94.667 χ^2/NDF : 96.9/58

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: 639.675+/-0.108 χ^2/NDF : 2025974.5/35

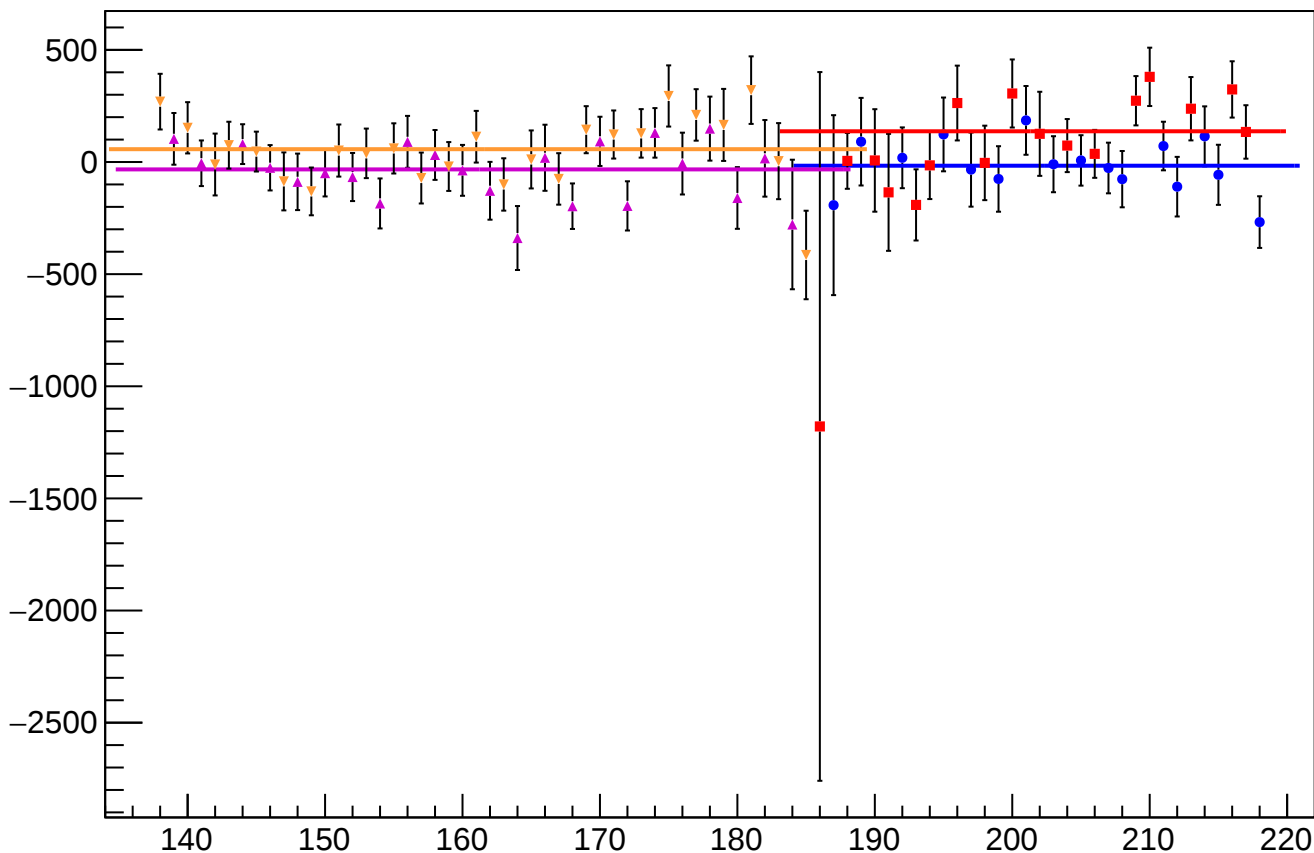
Left In: 499.393+/-0.085 χ^2/NDF : 576539.2/22

+ sign 550.914+/-0.066 χ^2/NDF : 3022117.2/57

All: 552.246+/-0.047 χ^2/NDF : 6666849.4/116

- sign 553.617+/-0.067 χ^2/NDF : 3643905.2/58

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: 137.068 ± 35.097 χ^2/NDF : 20.0/16

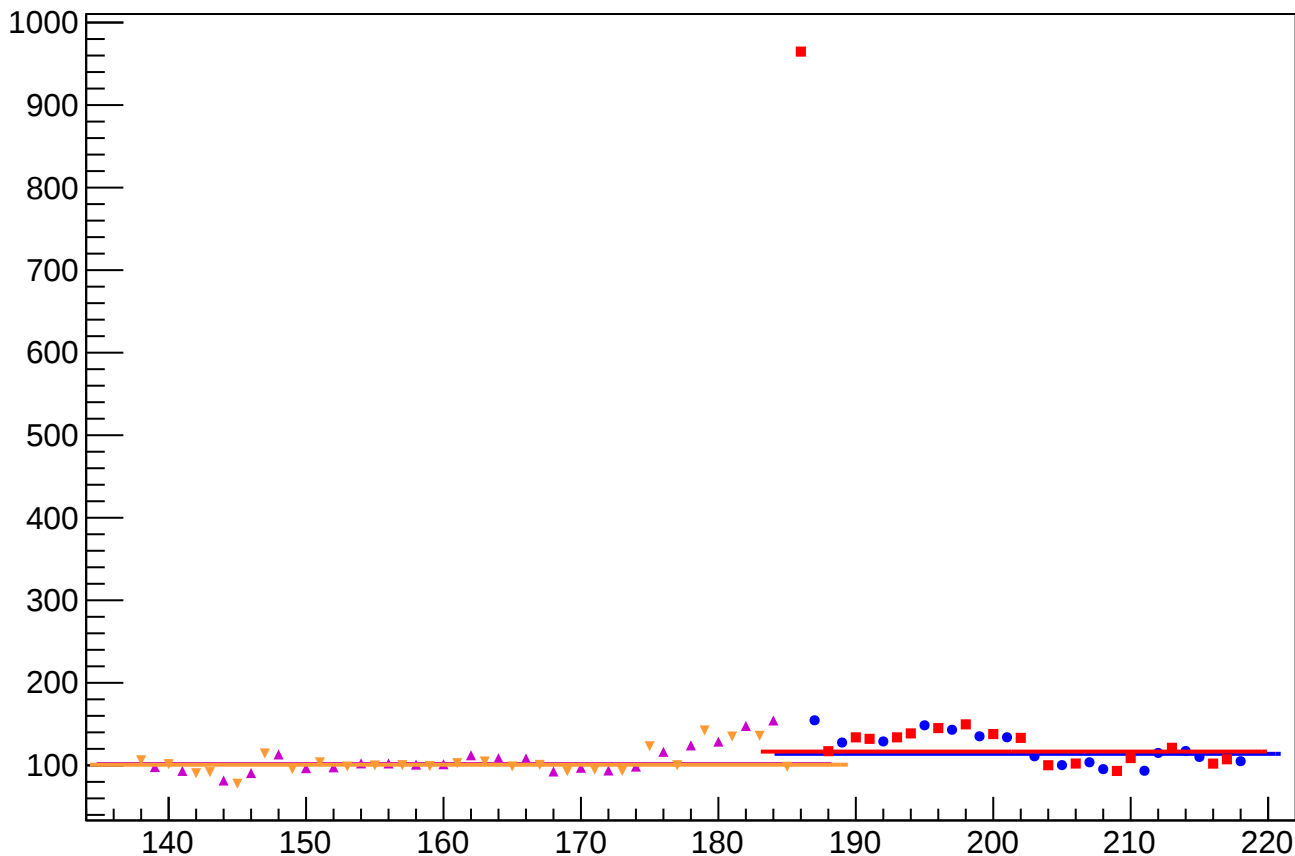
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 33.108 ± 19.455 χ^2/NDF : 42.8/40

All: 28.239 ± 13.992 χ^2/NDF : 102.2/80

- sign 23.023 ± 20.137 χ^2/NDF : 59.3/39

reg_asym_sam_1548_avg_rms vs Slug



Right In: 113.973+/-0.024 χ^2/NDF : 459584.6/15

Left Out: 100.801+/-0.017 χ^2/NDF :600502.4/24

Right Out: 116.690+/-0.025 χ^2/NDF : 1068731.7/16

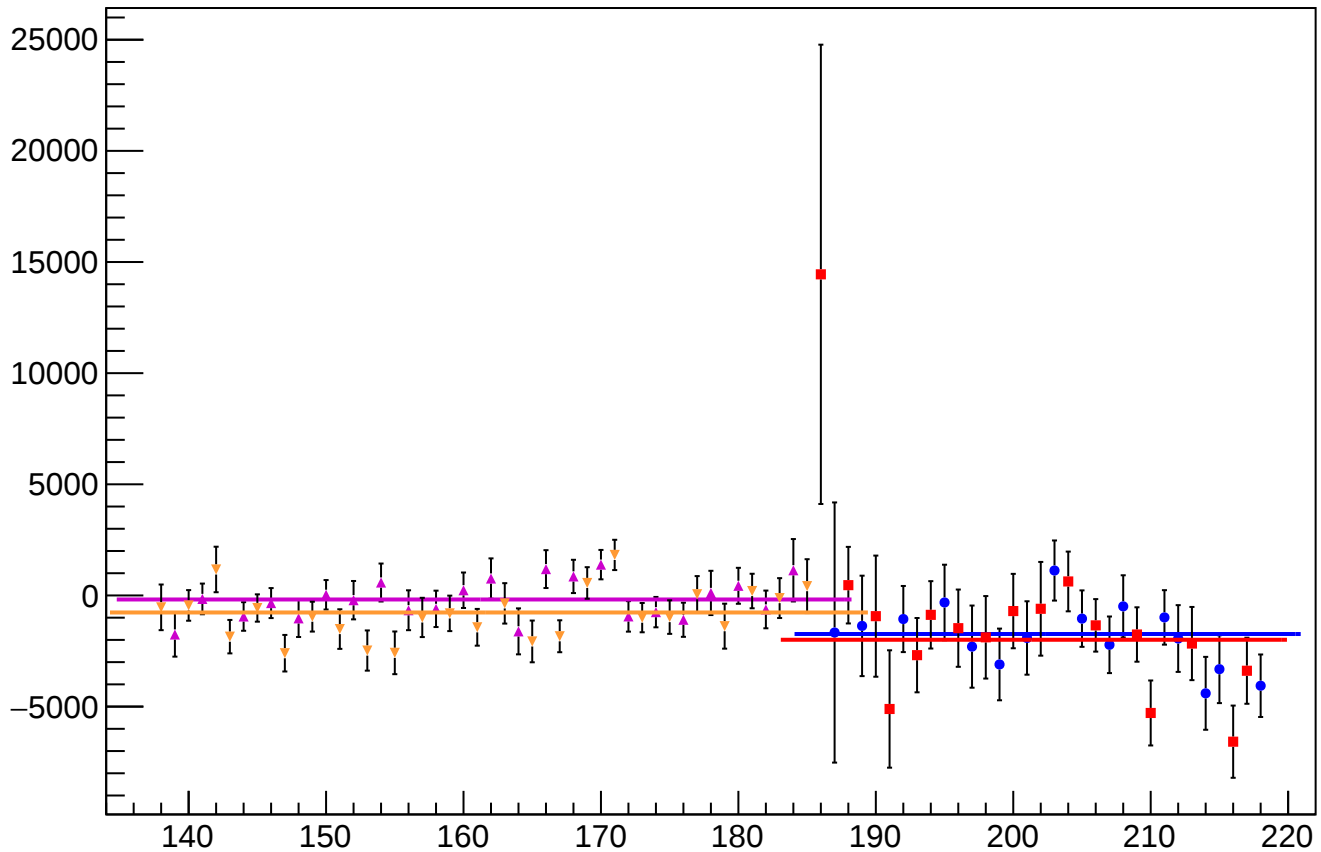
Left In: 101.622+/-0.017 χ^2/NDF :582329.3/22

+ sign 105.107+/-0.014 χ^2/NDF : 1261836.6/40

All: 105.819+/-0.010 χ^2/NDF : 3165758.2/80

- sign 106.582+/-0.014 χ^2/NDF : 1898367.4/39

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: -1993.826 ± 400.685 χ^2/NDF : 26.0/16

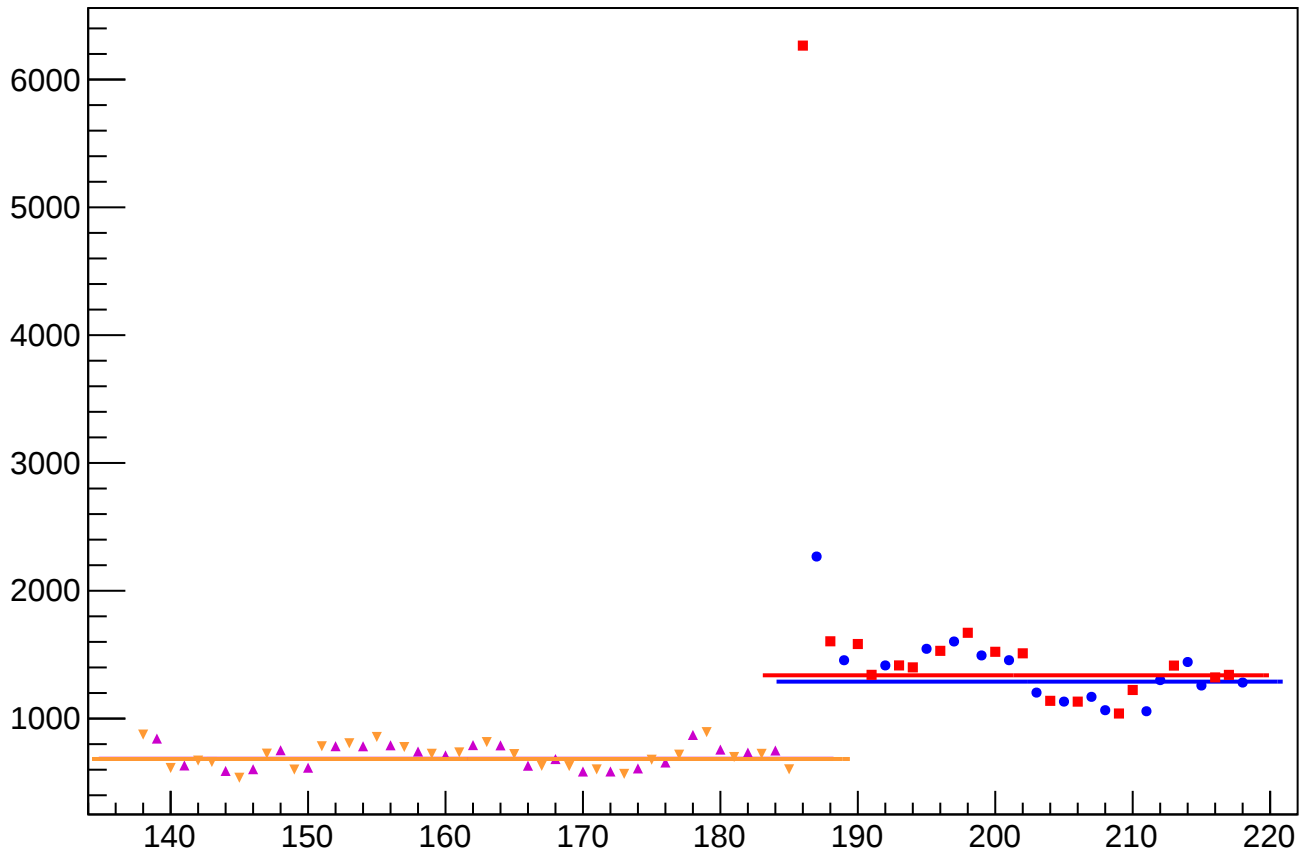
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -911.219 ± 148.533 χ^2/NDF : 66.2/40

All: -685.733 ± 106.607 χ^2/NDF : 139.5/80

- sign -446.166 ± 153.100 χ^2/NDF : 68.5/39

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1289.090 ± 0.272 χ^2/NDF : 434782.3/15

Left Out: 683.884 ± 0.114 χ^2/NDF : 667158.2/24

Right Out: 1338.591 ± 0.283 χ^2/NDF : 893430.3/16

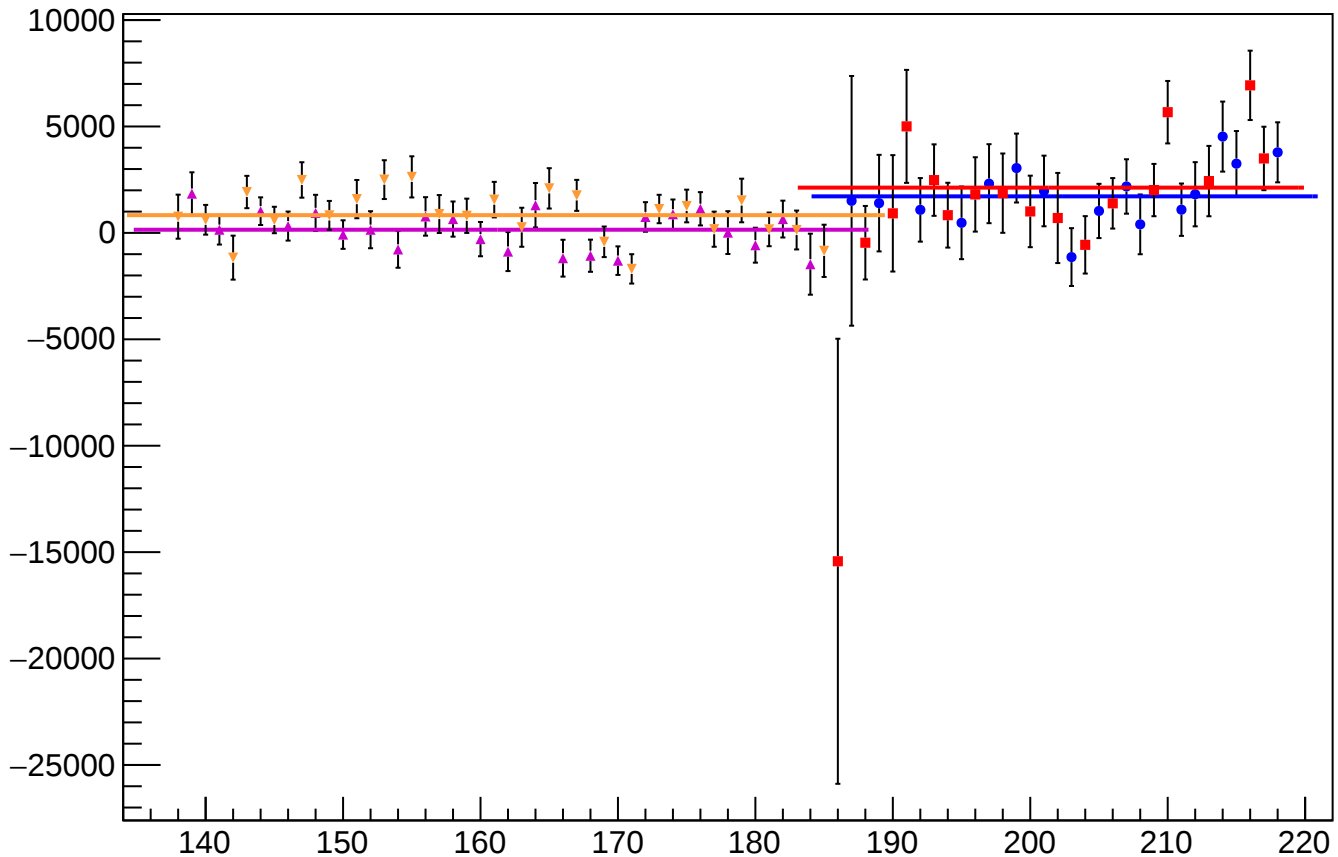
Left In: 685.593 ± 0.117 χ^2/NDF : 529353.6/22

+ sign 774.407 ± 0.105 χ^2/NDF : 5325504.5/40

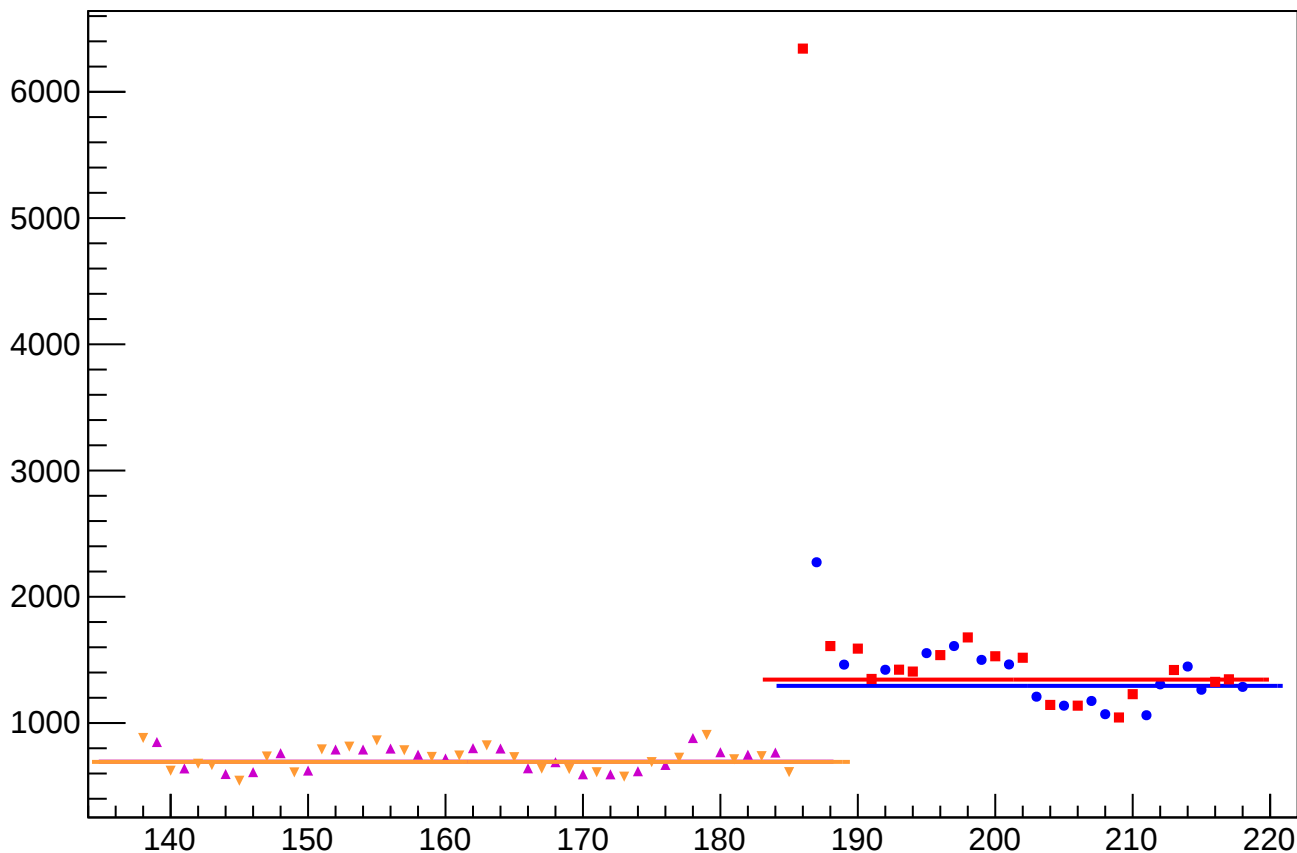
All: 777.569 ± 0.075 χ^2/NDF : 11286507.1/80

- sign 780.929 ± 0.108 χ^2/NDF : 5959132.9/39

asym_sam_1548_avg_mean vs Slug



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: 1344.009+/-0.284 χ^2/NDF : 895892.0/16

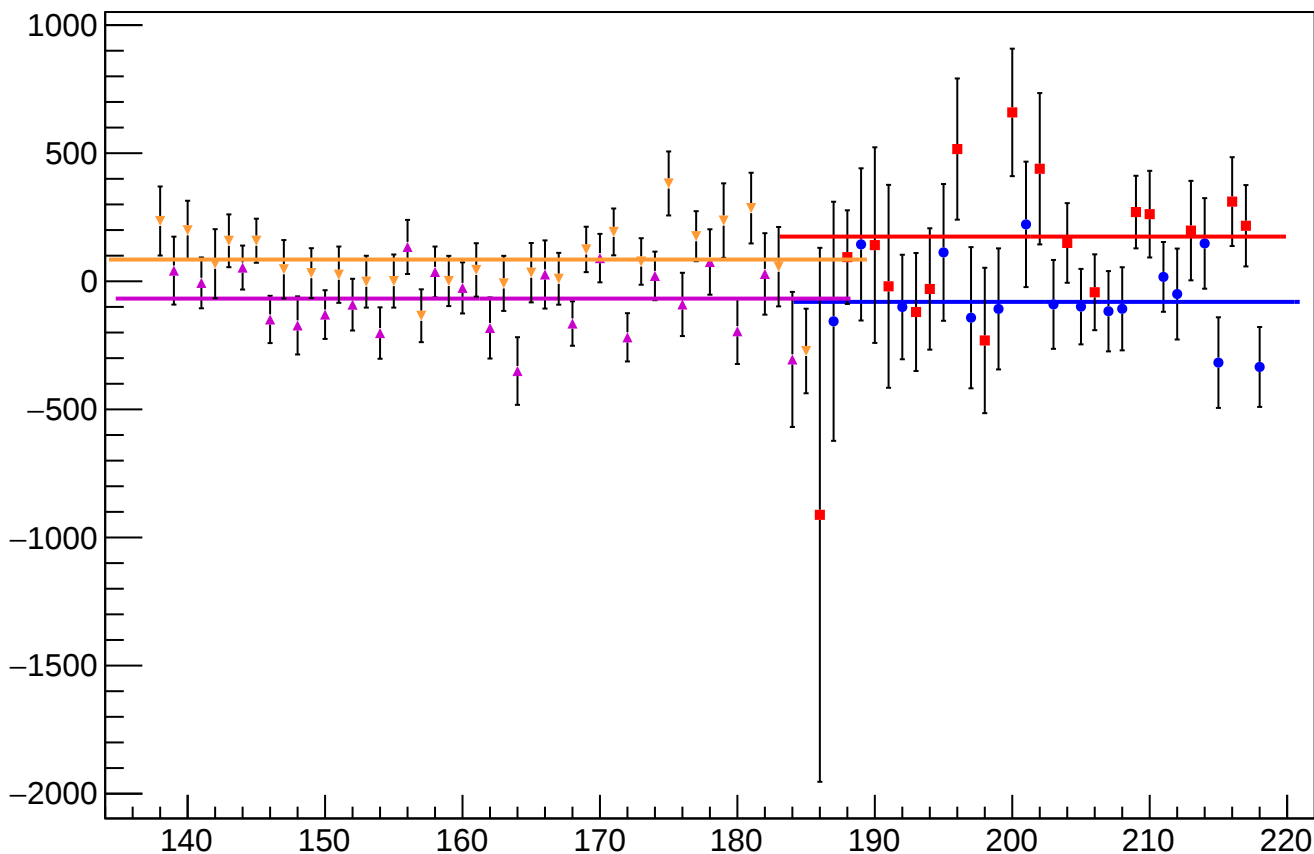
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 783.354+/-0.106 χ^2/NDF : 5231309.0/40

All: 786.602+/-0.076 χ^2/NDF : 11101328.6/80

- sign 790.053+/-0.109 χ^2/NDF : 5868088.7/39

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: 174.479 ± 49.675 χ^2/NDF : 15.7/16

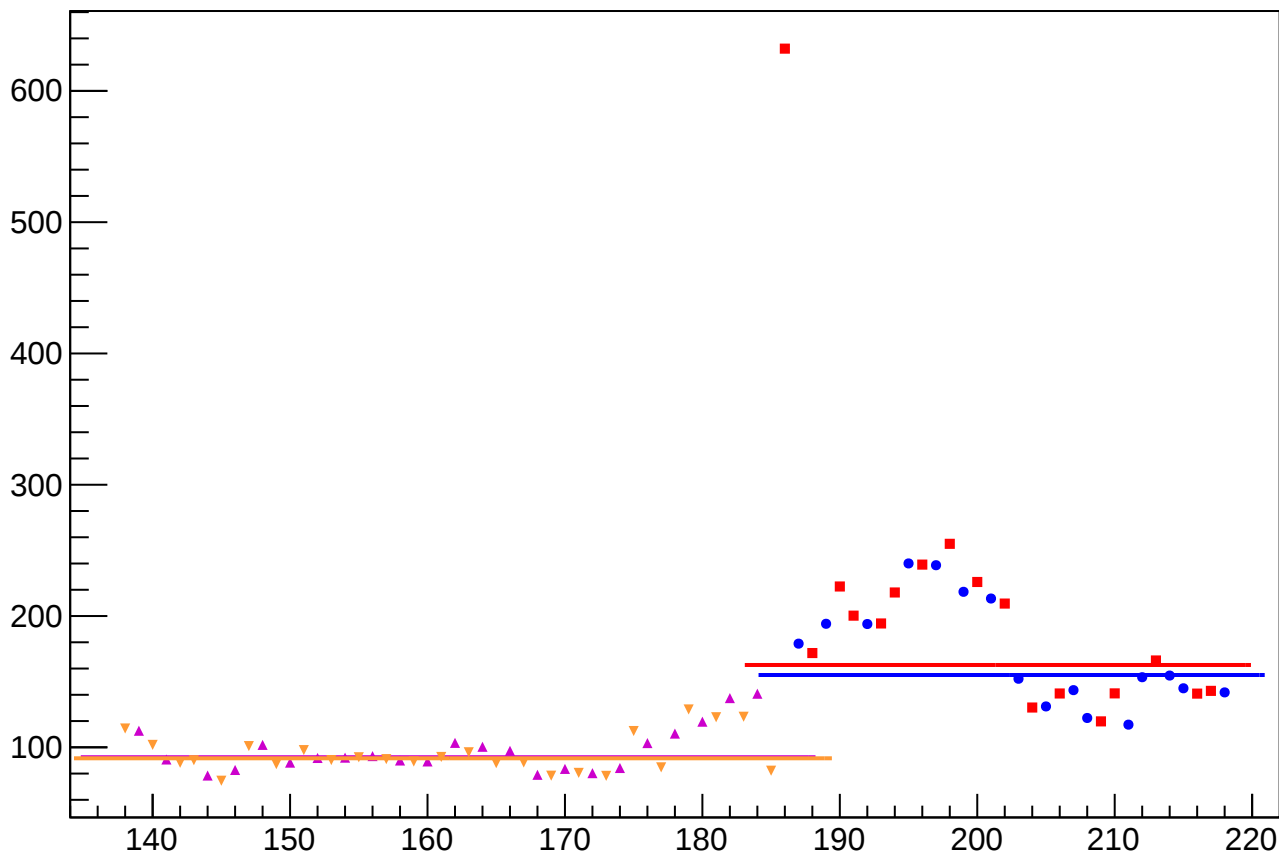
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 56.066 ± 19.667 χ^2/NDF : 48.1/40

All: 16.407 ± 14.178 χ^2/NDF : 120.9/80

- sign -26.505 ± 20.457 χ^2/NDF : 64.3/39

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: 162.713 $\pm$ 0.035 χ^2 /NDF: 1578925.1/16

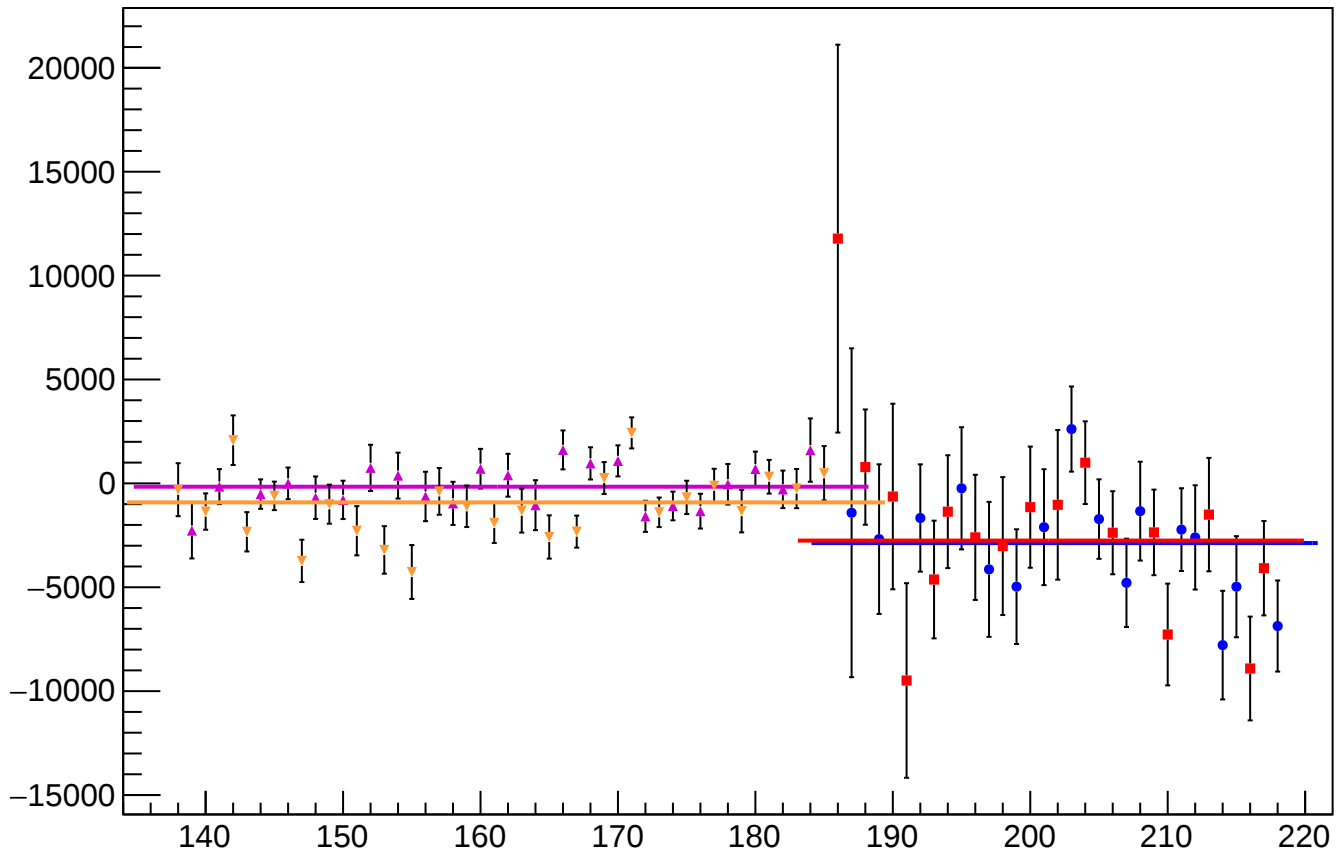
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 102.690 $\pm$ 0.014 χ^2 /NDF: 4766142.1/40

All: 103.502 $\pm$ 0.010 χ^2 /NDF: 10329047.5/80

- sign 104.379 $\pm$ 0.014 χ^2 /NDF: 5555818.3/39

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2872.902 ± 625.262 χ^2/NDF : 18.3/15

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -2753.645 ± 661.222 χ^2/NDF : 21.2/16

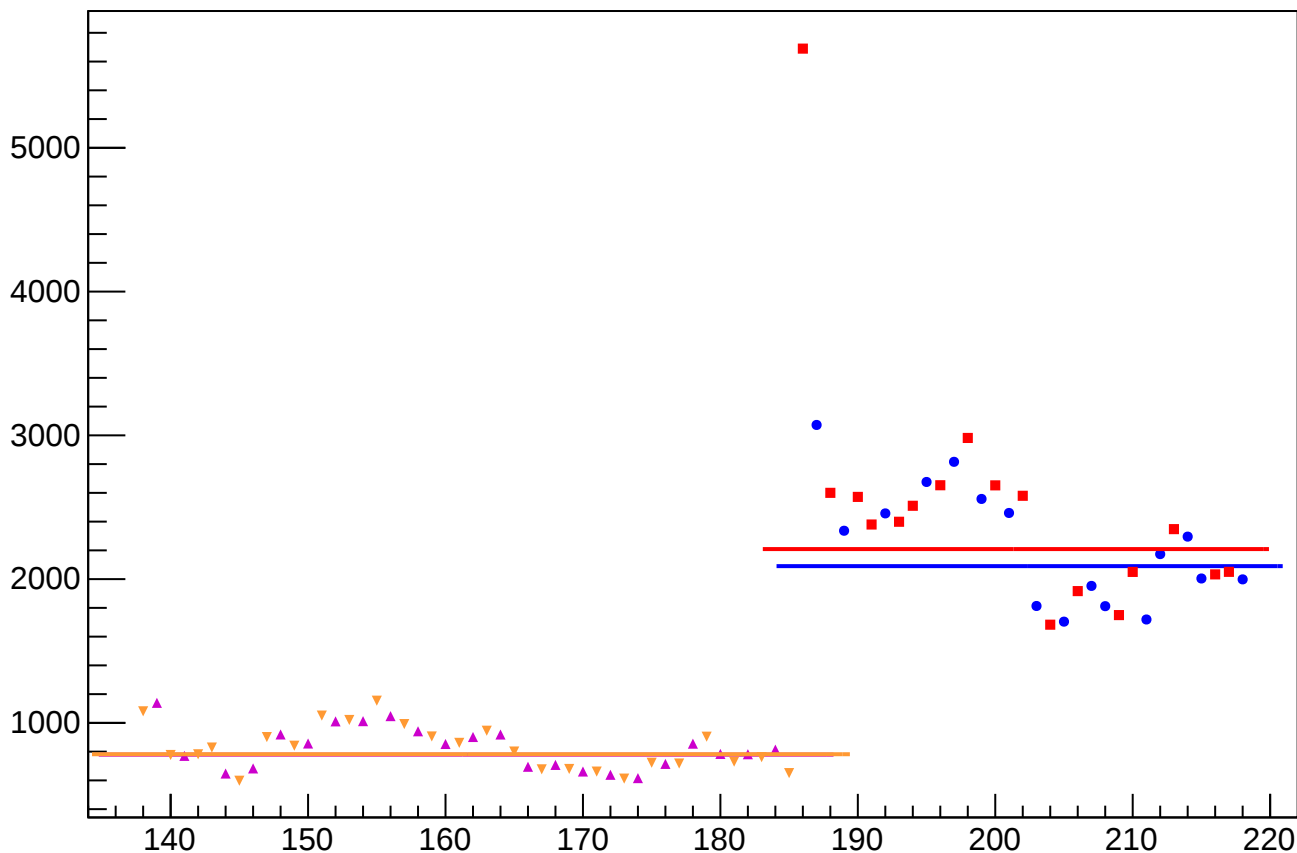
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -1072.879 ± 177.698 χ^2/NDF : 91.5/40

All: -724.217 ± 127.199 χ^2/NDF : 160.0/80

- sign -357.835 ± 182.158 χ^2/NDF : 60.5/39

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: 2209.006 $\pm$ 0.468 χ^2 /NDF: 901971.6/16

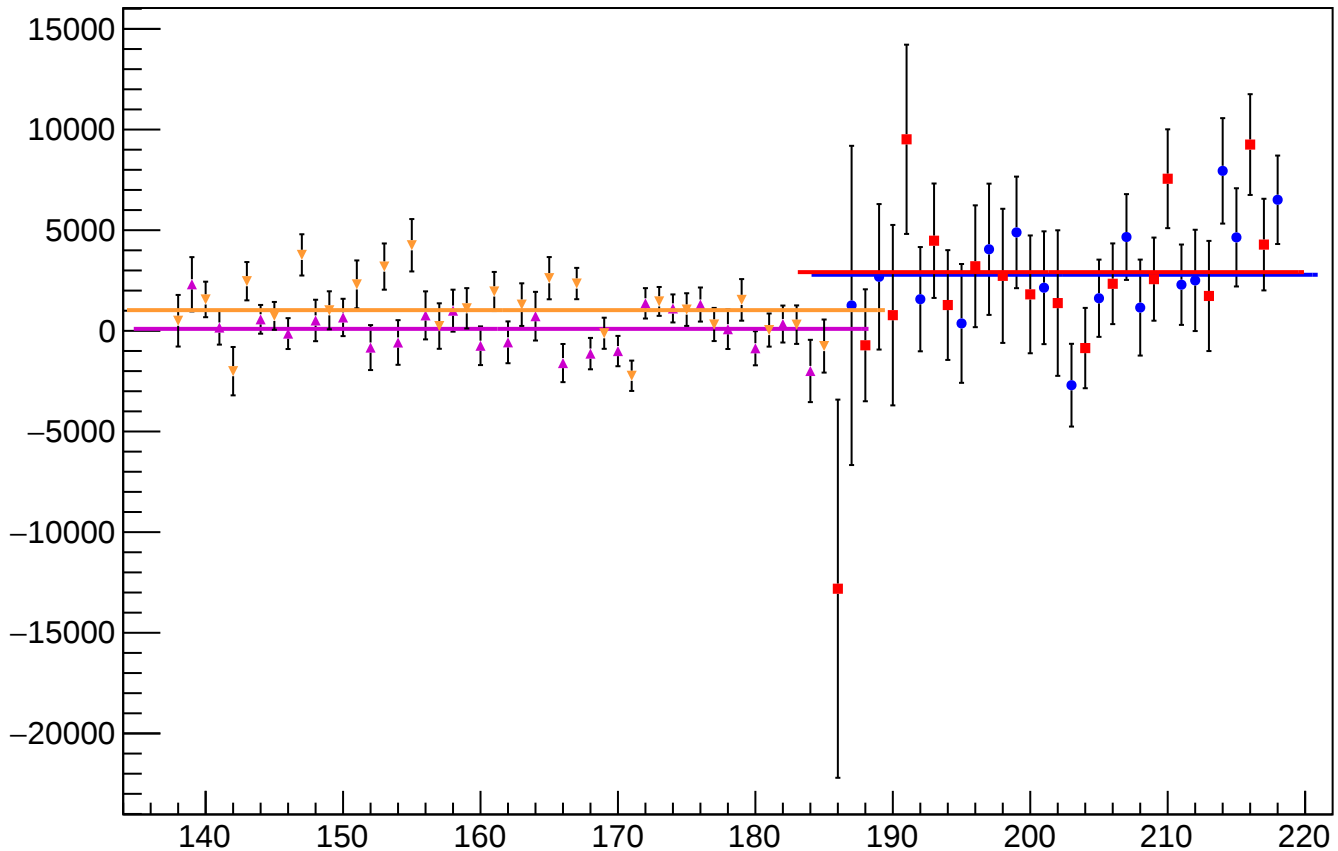
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 887.711 $\pm$ 0.126 χ^2 /NDF: 9776068.8/40

All: 887.619 $\pm$ 0.090 χ^2 /NDF: 20302711.9/80

- sign 887.523 $\pm$ 0.129 χ^2 /NDF: 10526642.0/39

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: 2917.166 $\pm$ 663.275 χ^2 /NDF: 21.9/16

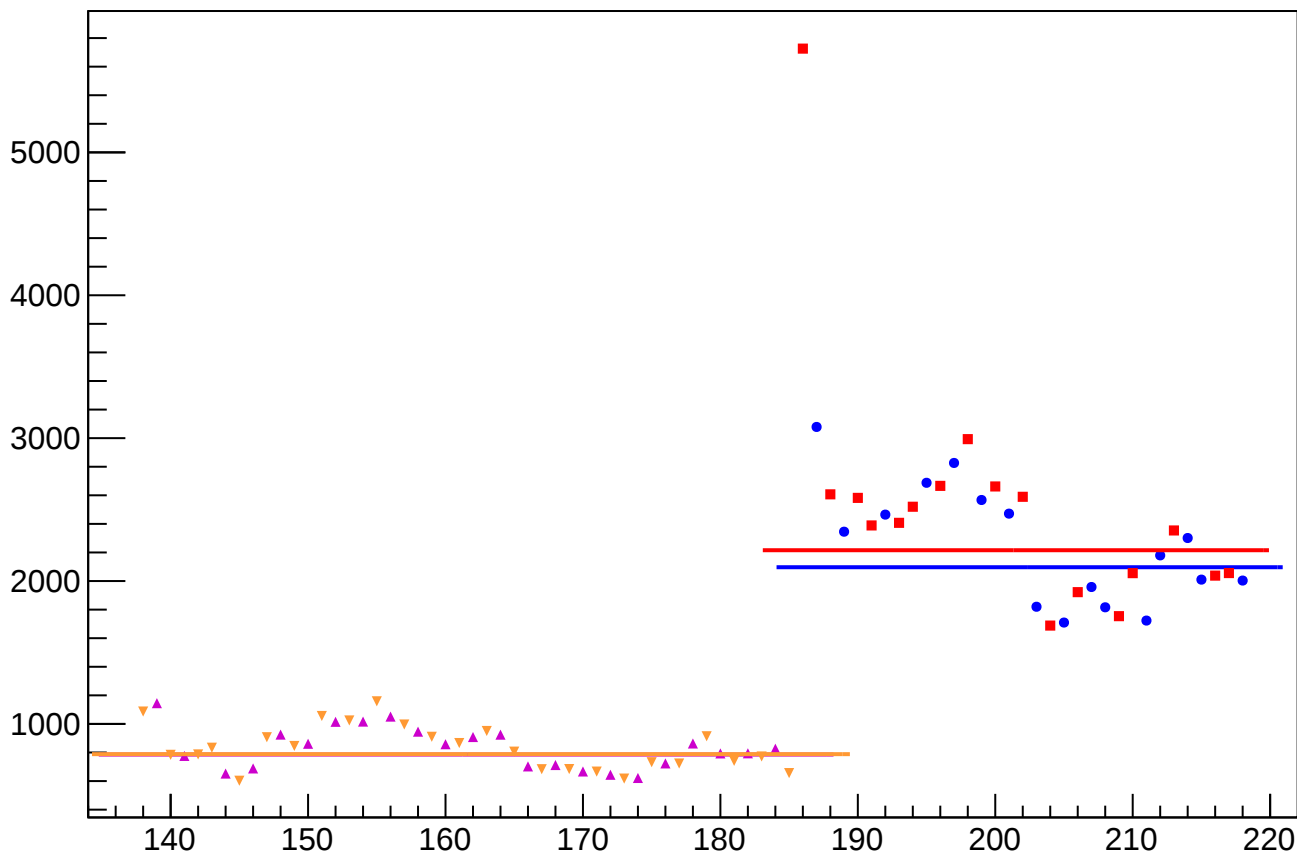
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF: 25.4/22

+ sign 1172.055 $\pm$ 179.037 χ^2 /NDF: 85.2/40

All: 754.019 $\pm$ 128.169 χ^2 /NDF: 160.4/80

- sign 314.569 $\pm$ 183.565 χ^2 /NDF: 64.0/39

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: 2215.668 $\pm$ 0.469 χ^2 /NDF: 906119.7/16

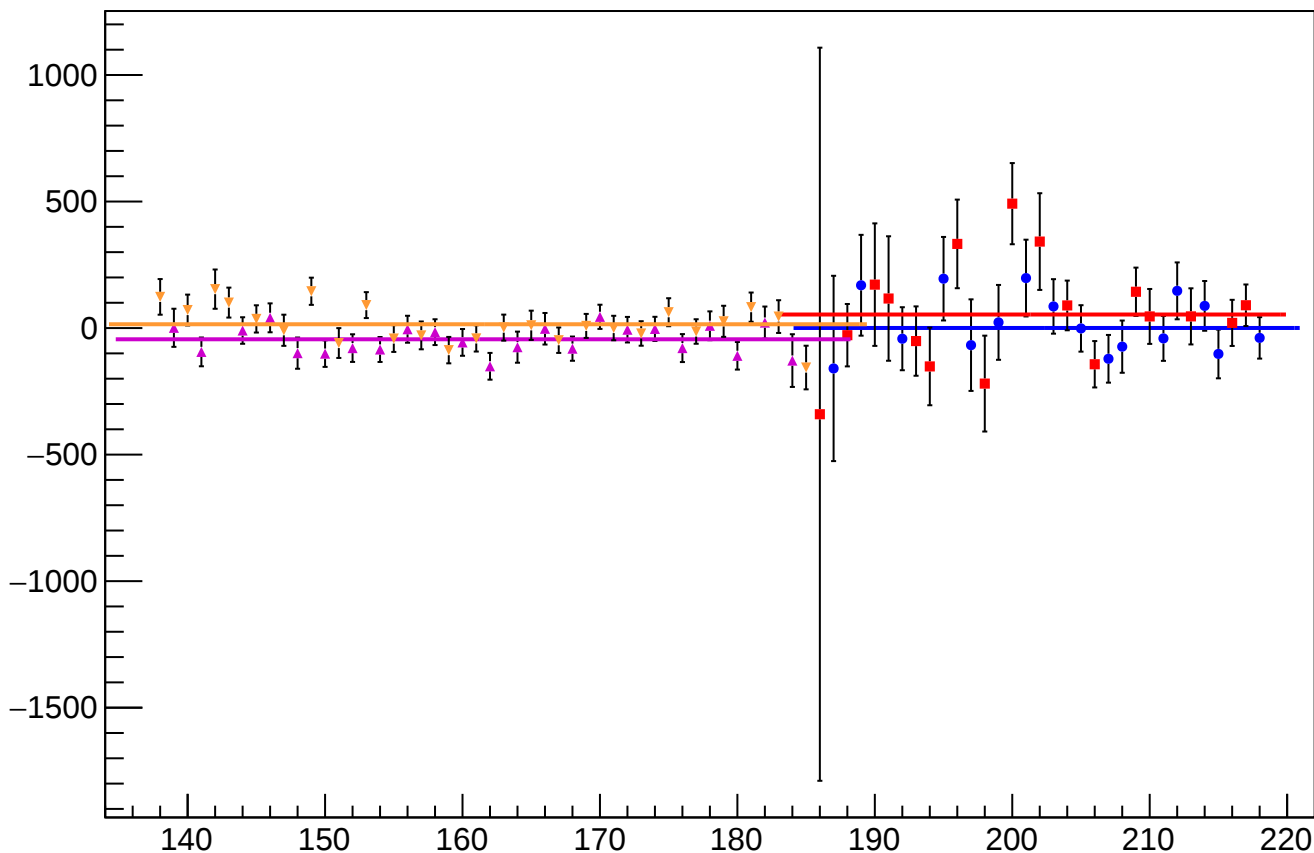
Left In: 785.490 $\pm$ 0.135 χ^2 /NDF: 965338.9/22

+ sign 895.045 $\pm$ 0.127 χ^2 /NDF: 9704800.2/40

All: 895.039 $\pm$ 0.091 χ^2 /NDF: 20162746.6/80

- sign 895.033 $\pm$ 0.130 χ^2 /NDF: 10457946.4/39

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: 53.588 ± 30.288 χ^2/NDF : 23.5/16

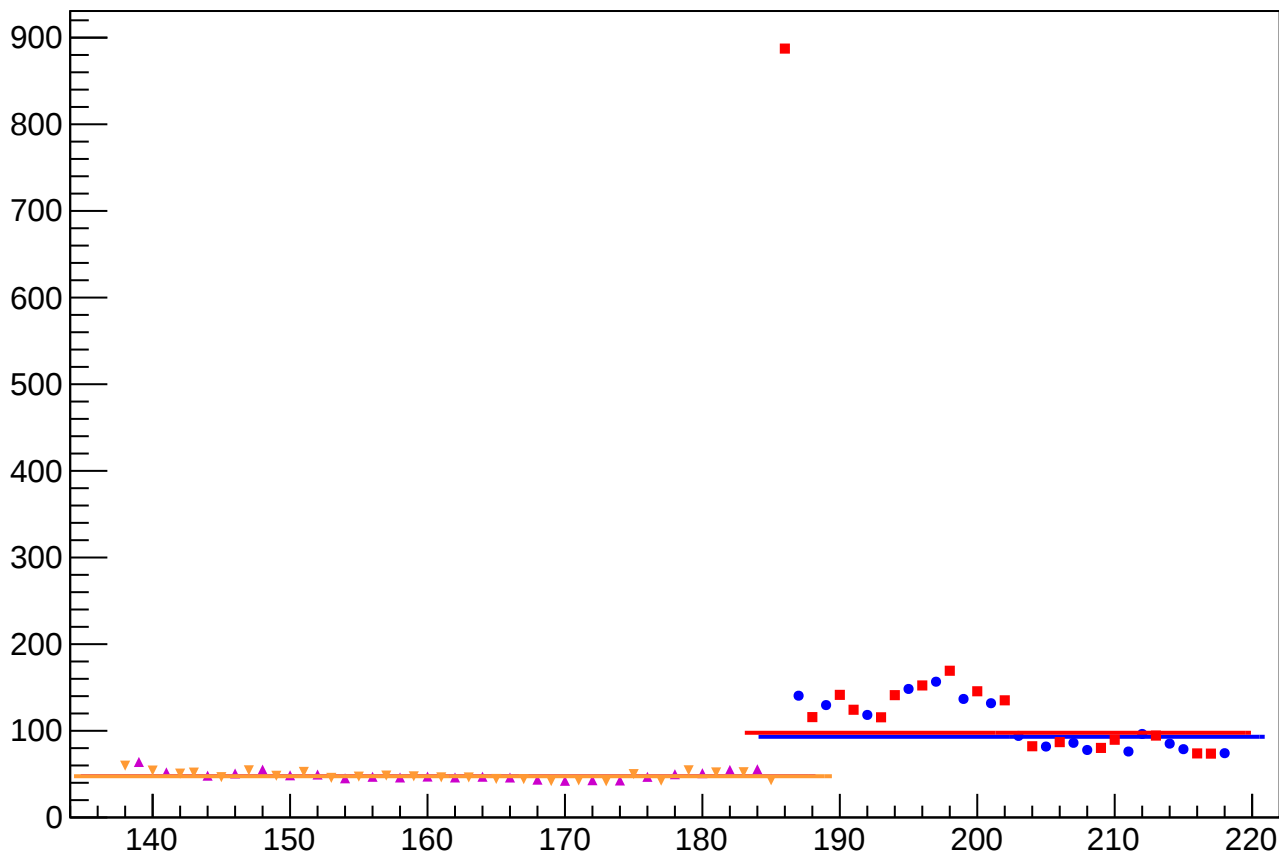
Left In: -44.297 ± 11.530 χ^2/NDF : 22.3/22

+ sign 13.148 ± 10.387 χ^2/NDF : 45.6/40

All: -8.553 ± 7.478 χ^2/NDF : 109.6/80

- sign -31.908 ± 10.775 χ^2/NDF : 54.9/39

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: 97.738 $\pm$ 0.021 χ^2 /NDF: 2122179.1/16

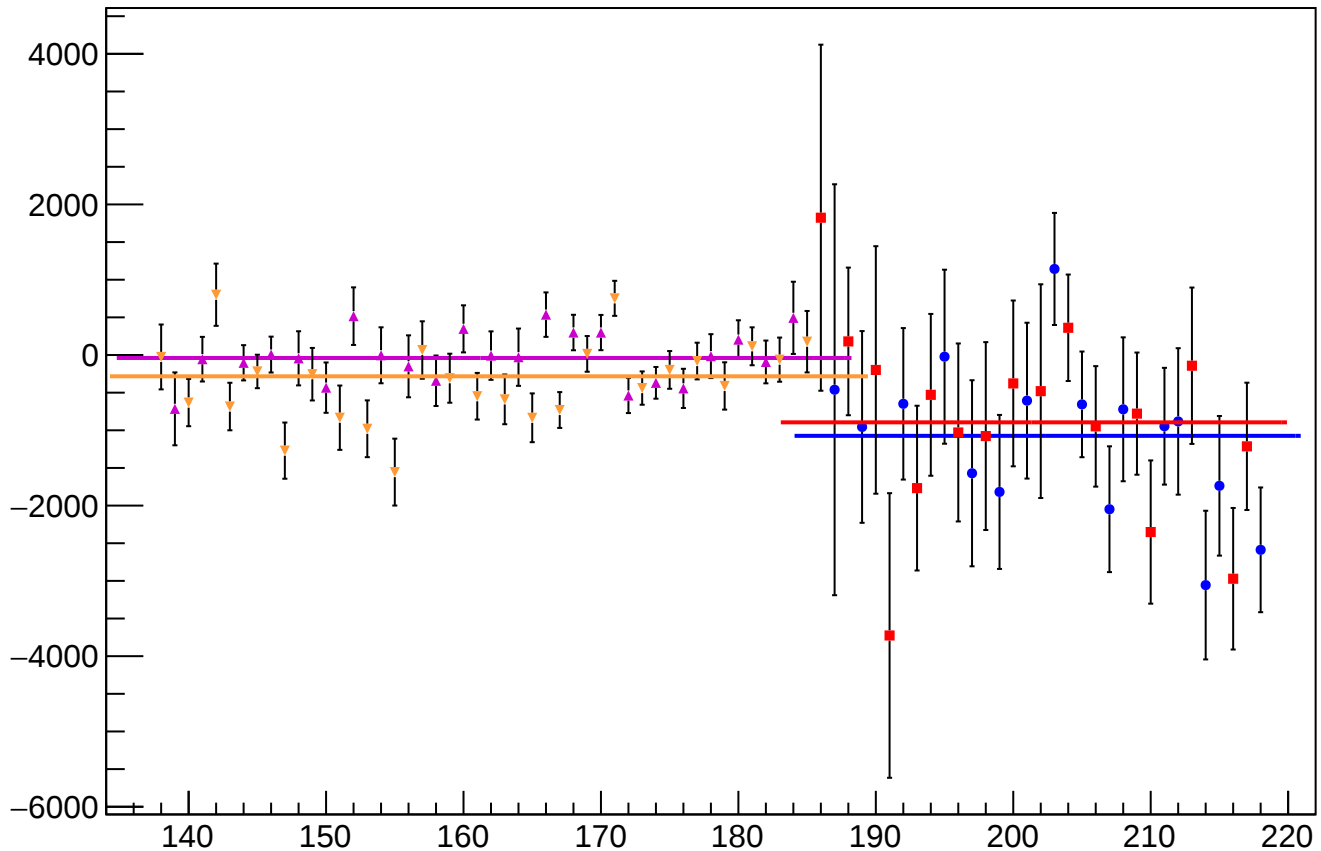
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 53.635 $\pm$ 0.007 χ^2 /NDF: 6021989.3/40

All: 53.888 $\pm$ 0.005 χ^2 /NDF: 13168401.9/80

- sign 54.161 $\pm$ 0.008 χ^2 /NDF: 7143943.9/39

asym_sam_1526_avg_correction_mean vs Slug



Right In: -1073.483+/-237.286 χ^2/NDF : 20.6/15

Left Out: -282.798+/-59.690 χ^2/NDF : 66.5/24

Right Out: -894.343+/-250.755 χ^2/NDF : 17.2/16

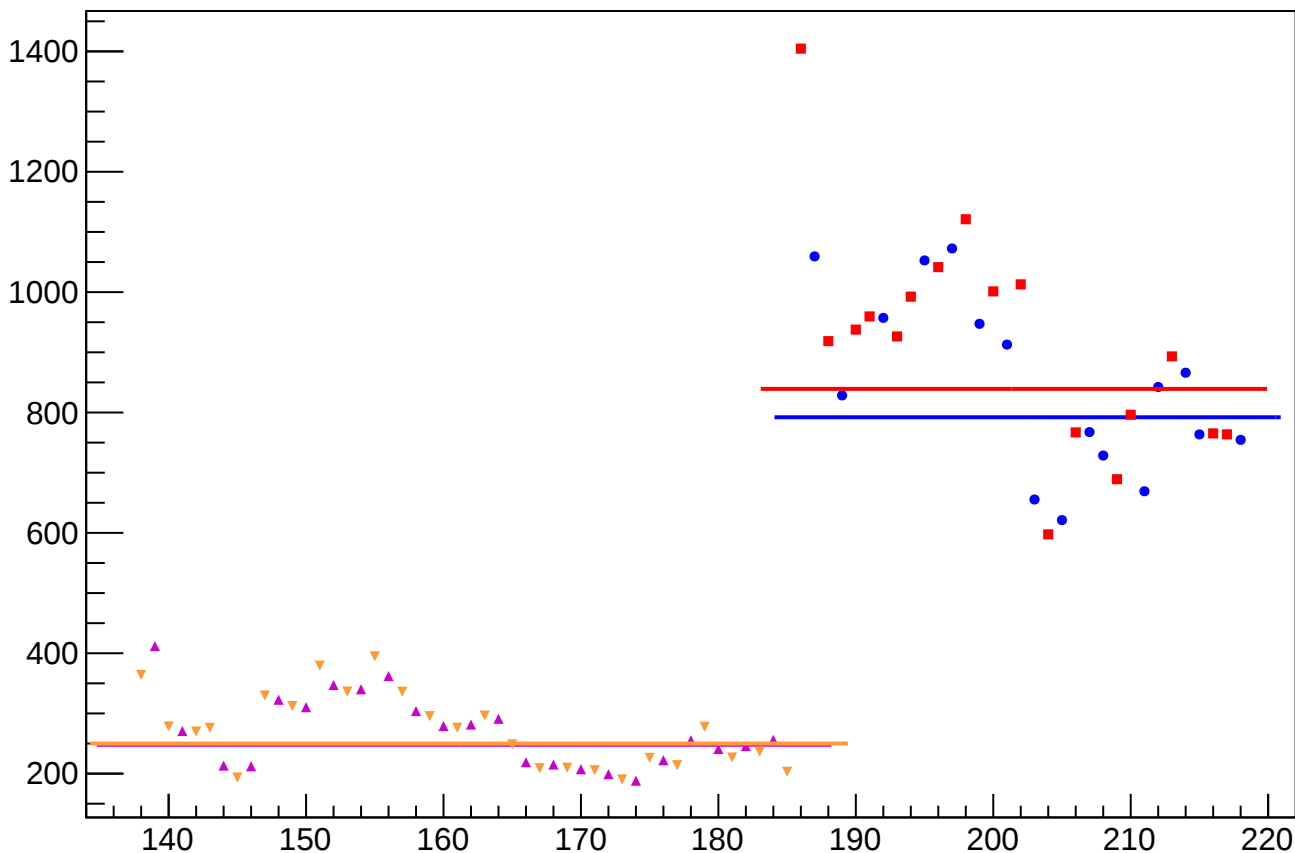
Left In: -39.432+/-60.759 χ^2/NDF : 27.5/22

+ sign -329.854+/-57.886 χ^2/NDF : 97.6/40

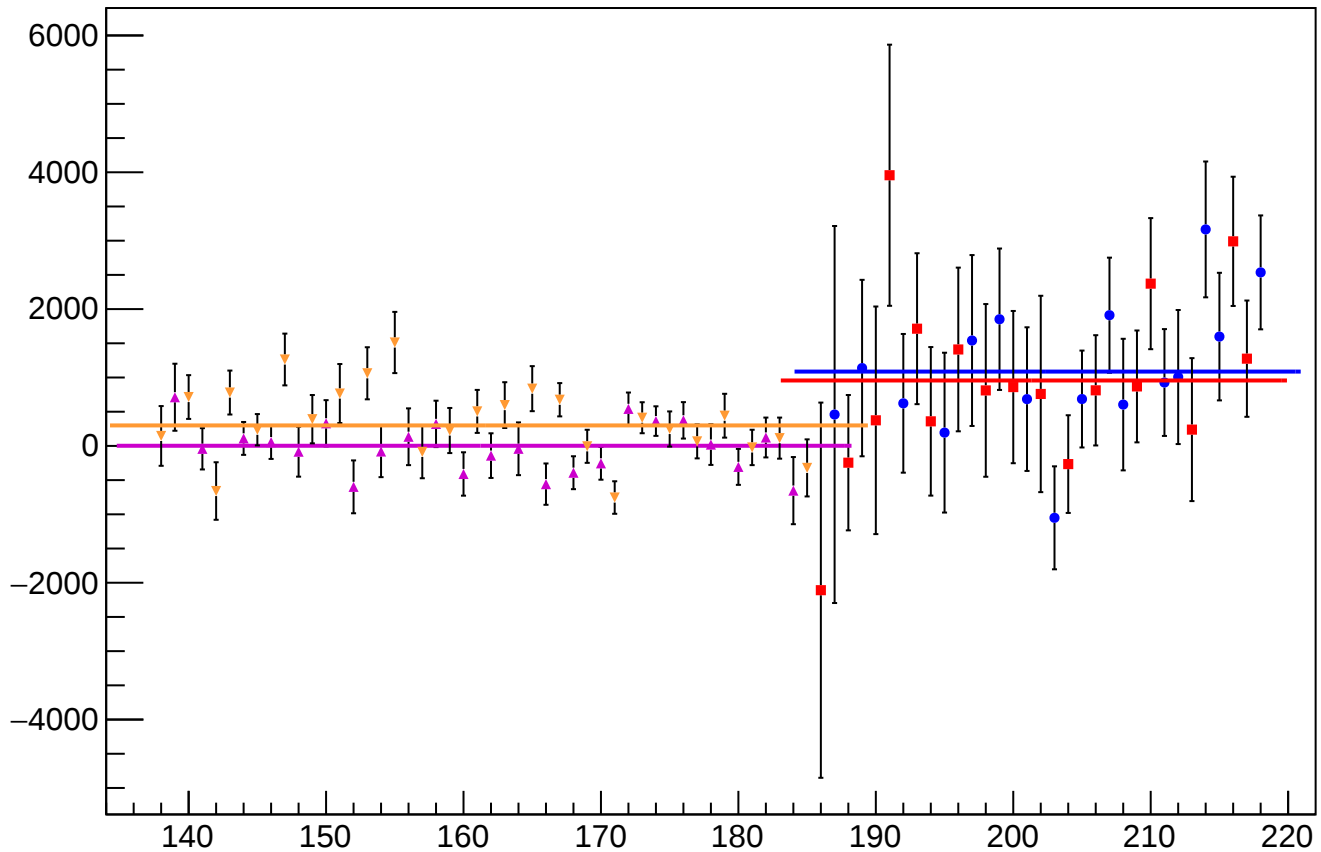
All: -210.766+/-41.337 χ^2/NDF : 161.9/80

- sign -86.841+/-59.050 χ^2/NDF : 55.7/39

asym_sam_1526_avg_correction_rms vs Slug



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: 956.572 ± 253.293 χ^2/NDF : 16.7/16

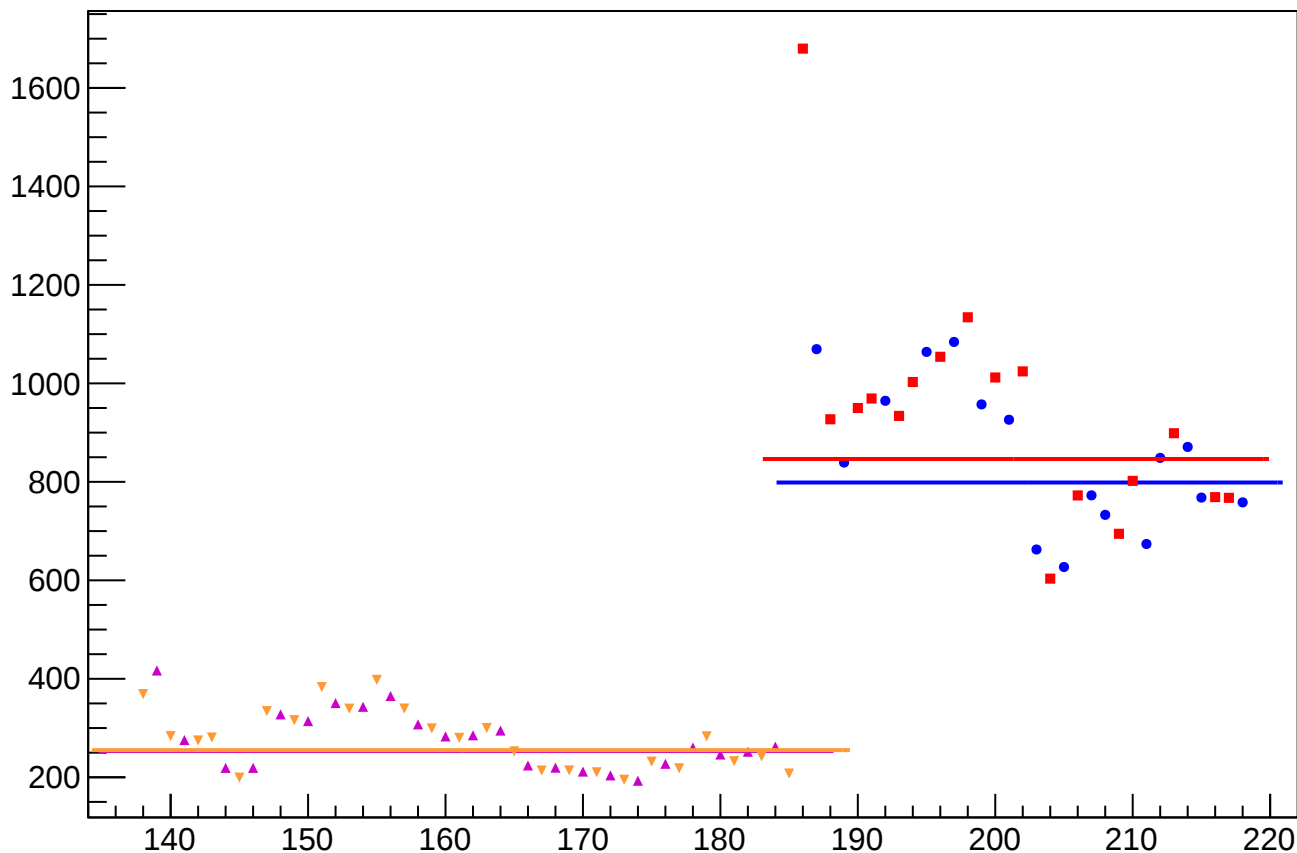
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 347.379 ± 58.982 χ^2/NDF : 91.7/40

All: 204.801 ± 42.140 χ^2/NDF : 162.9/80

- sign 56.143 ± 60.226 χ^2/NDF : 59.2/39

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: 846.451 $\pm$ 0.179 χ^2 /NDF: 864729.3/16

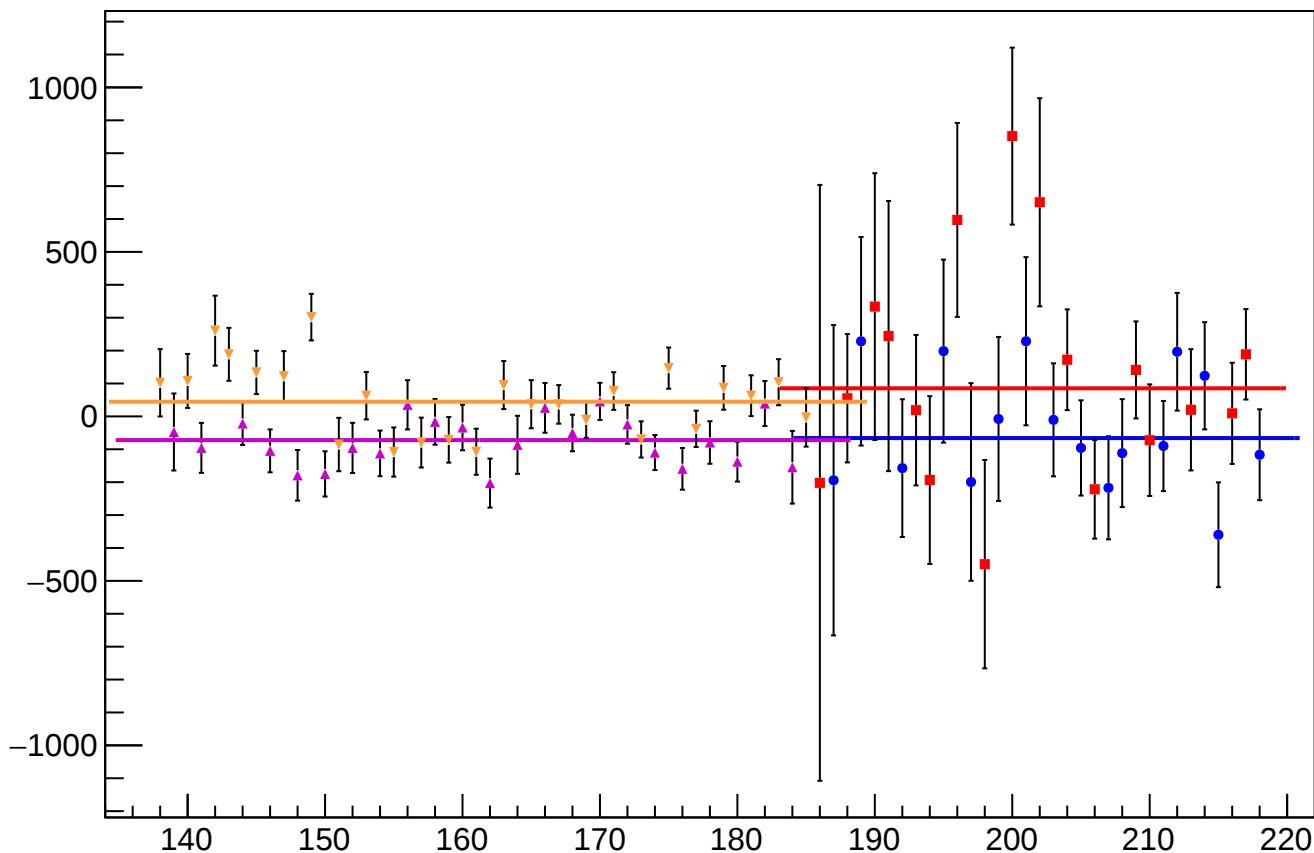
Left In: 253.287 $\pm$ 0.044 χ^2 /NDF: 1341662.3/22

+ sign 288.159 $\pm$ 0.042 χ^2 /NDF: 11861226.0/40

All: 287.505 $\pm$ 0.030 χ^2 /NDF: 24416116.4/80

- sign 286.823 $\pm$ 0.043 χ^2 /NDF: 12554387.3/39

reg_asym_sam_3726_avg_mean vs Slug



Right In: -65.854 ± 46.317 $\chi^2/\text{NDF}: 11.8/15$

Left Out: 44.602 ± 13.824 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 85.415 ± 49.282 $\chi^2/\text{NDF}: 25.6/16$

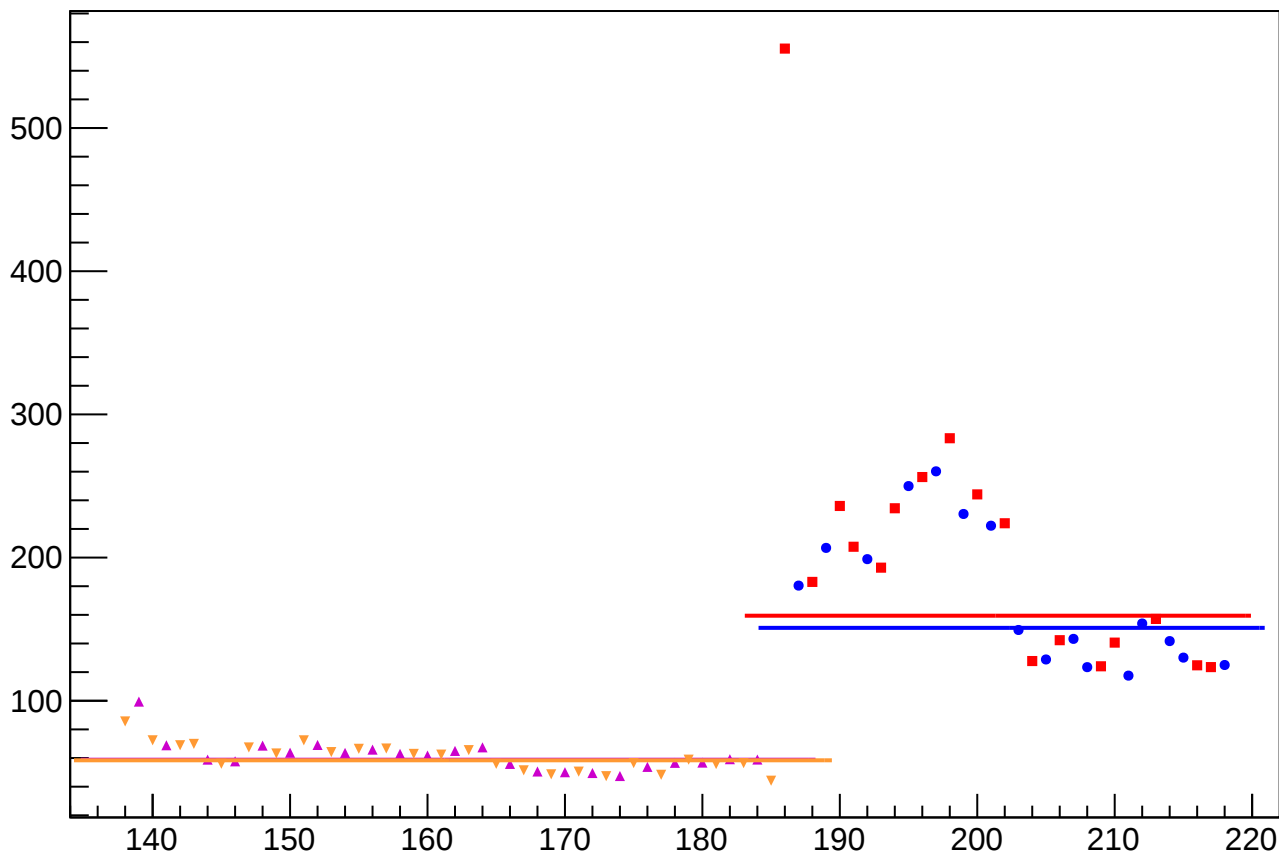
Left In: -72.037 ± 14.296 $\chi^2/\text{NDF}: 25.3/22$

+ sign 35.567 ± 13.247 $\chi^2/\text{NDF}: 71.0/40$

All: -10.415 ± 9.533 $\chi^2/\text{NDF}: 156.2/80$

- sign -59.815 ± 13.730 $\chi^2/\text{NDF}: 60.3/39$

reg_asym_sam_3726_avg_rms vs Slug



Right In: 150.923 $\pm$ 0.033 χ^2 /NDF: 1390238.3/15

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

+ sign 65.989 $\pm$ 0.009 χ^2 /NDF: 9504779.6/40

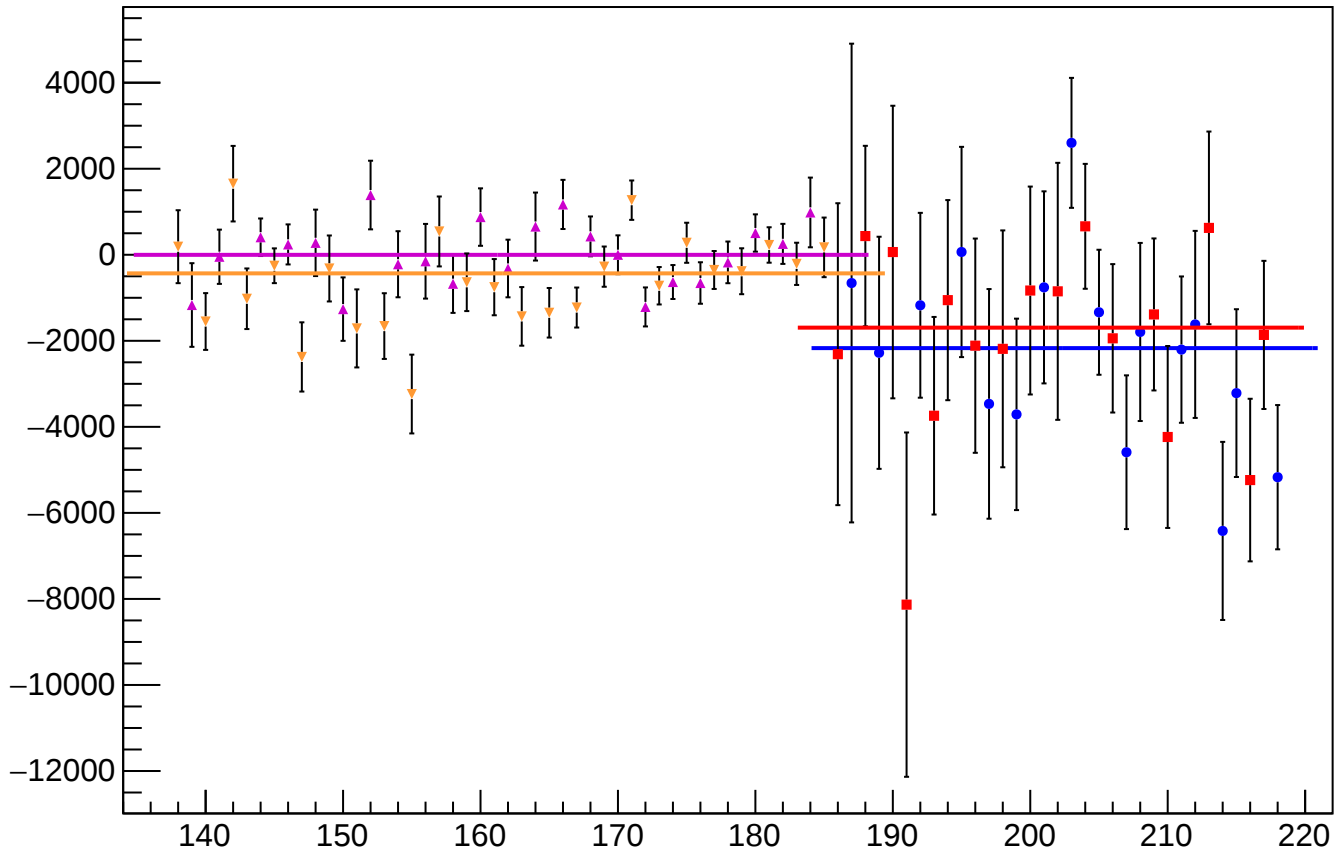
Right Out: 159.407 $\pm$ 0.035 χ^2 /NDF: 2019881.5/16

All: 66.306 $\pm$ 0.007 χ^2 /NDF: 19888825.4/80

- sign 66.646 $\pm$ 0.010 χ^2 /NDF: 10381676.3/39

Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

asym_sam_3726_avg_correction_mean vs Slug



Right In: -2169.866±/502.220 χ^2/NDF : 22.2/15

Left Out: -432.330±/114.408 χ^2/NDF : 59.4/24

Right Out: -1693.920±/528.541 χ^2/NDF : 13.8/16

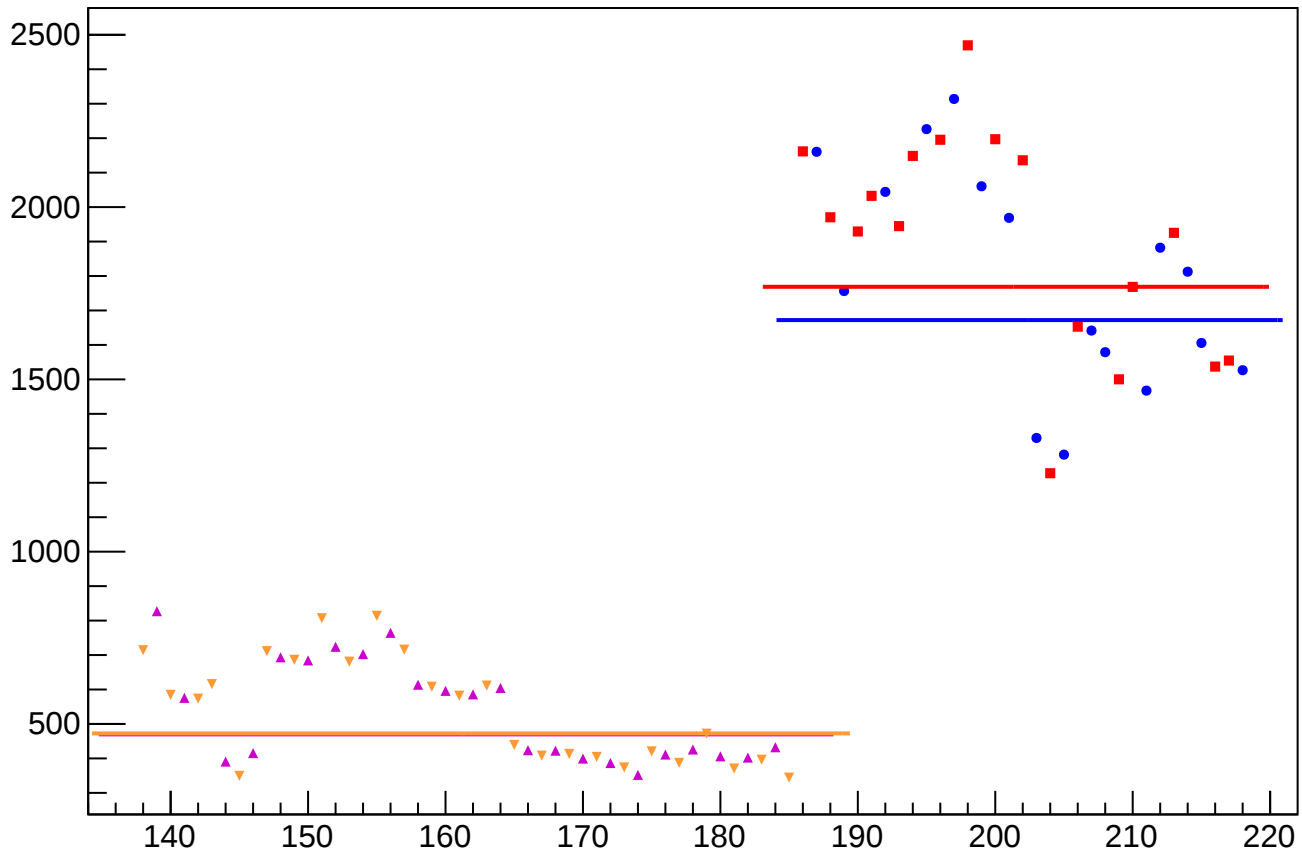
Left In: -1.825±/116.459 χ^2/NDF : 32.3/22

+ sign -518.051±/111.550 χ^2/NDF : 92.9/40

All: -303.349±/79.638 χ^2/NDF : 156.4/80

- sign -80.172±/113.731 χ^2/NDF : 55.9/39

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: 1768.678 $\pm$ 0.374 χ^2 /NDF: 806905.2/16

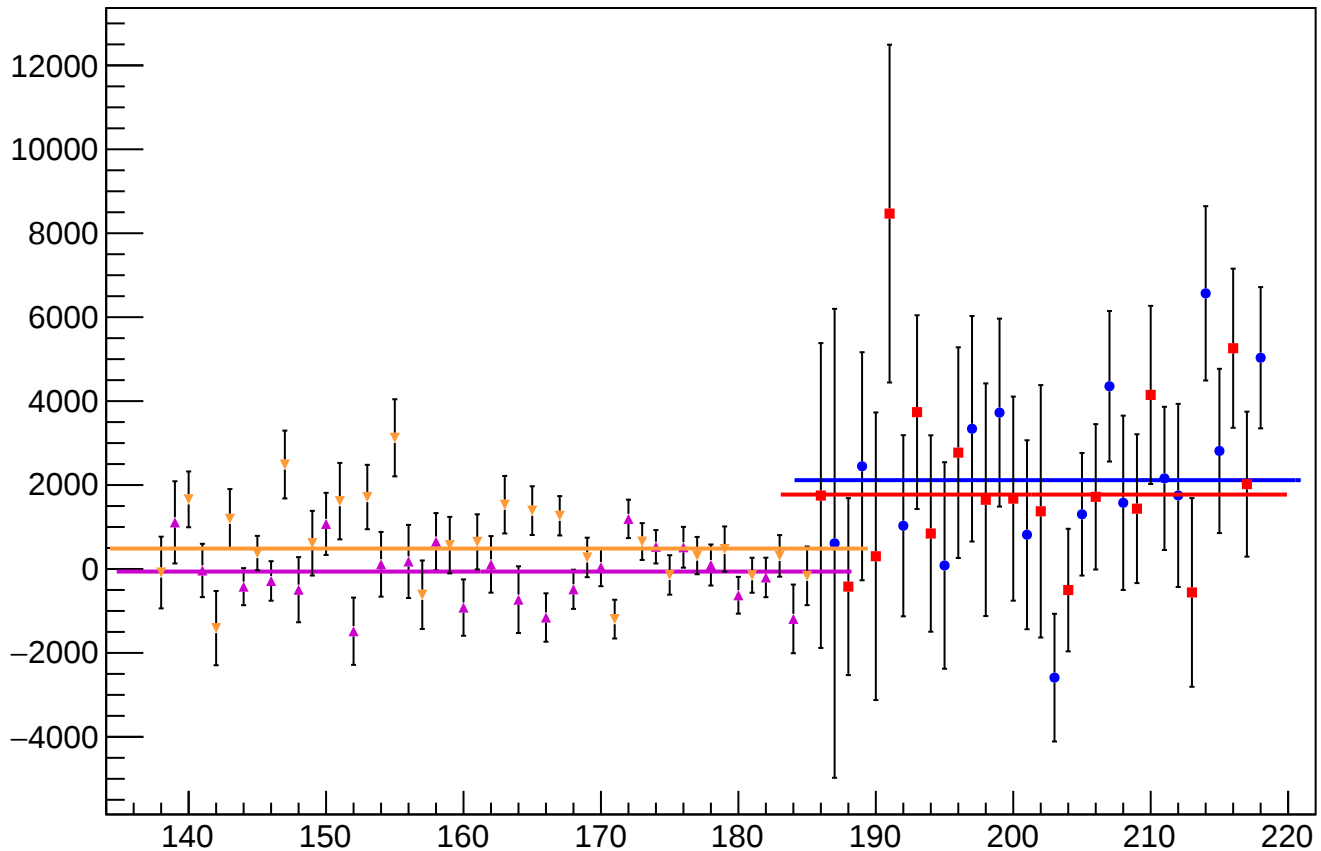
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF:2116885.7/22

+ sign 531.747 $\pm$ 0.079 χ^2 /NDF: 14072419.0/40

All: 530.843 $\pm$ 0.056 χ^2 /NDF: 28516331.6/80

- sign 529.904 $\pm$ 0.080 χ^2 /NDF: 14443644.8/39

asym_sam_3726_avg_mean vs Slug



Right In: 2116.500+/-504.725 χ^2/NDF : 21.3/15

Left Out: 486.645+/-115.346 χ^2/NDF : 56.0/24

Right Out: 1773.399+/-531.496 χ^2/NDF : 13.3/16

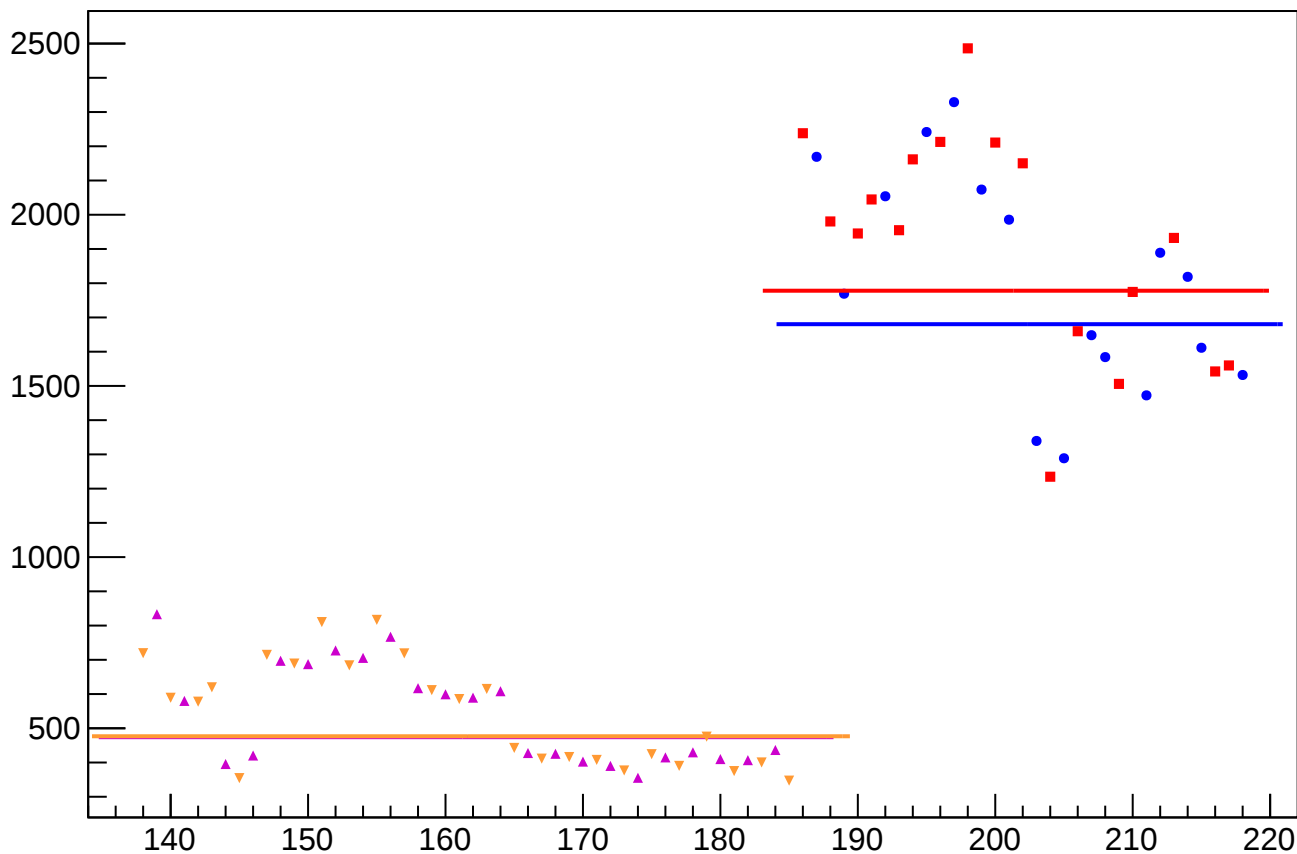
Left In: -61.775+/-117.449 χ^2/NDF : 31.2/22

+ sign 567.543+/-112.447 χ^2/NDF : 87.3/40

All: 300.956+/-80.291 χ^2/NDF : 154.6/80

- sign 23.667+/-114.682 χ^2/NDF : 55.8/39

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: 1778.104+/-0.376 χ^2/NDF : 819505.6/16

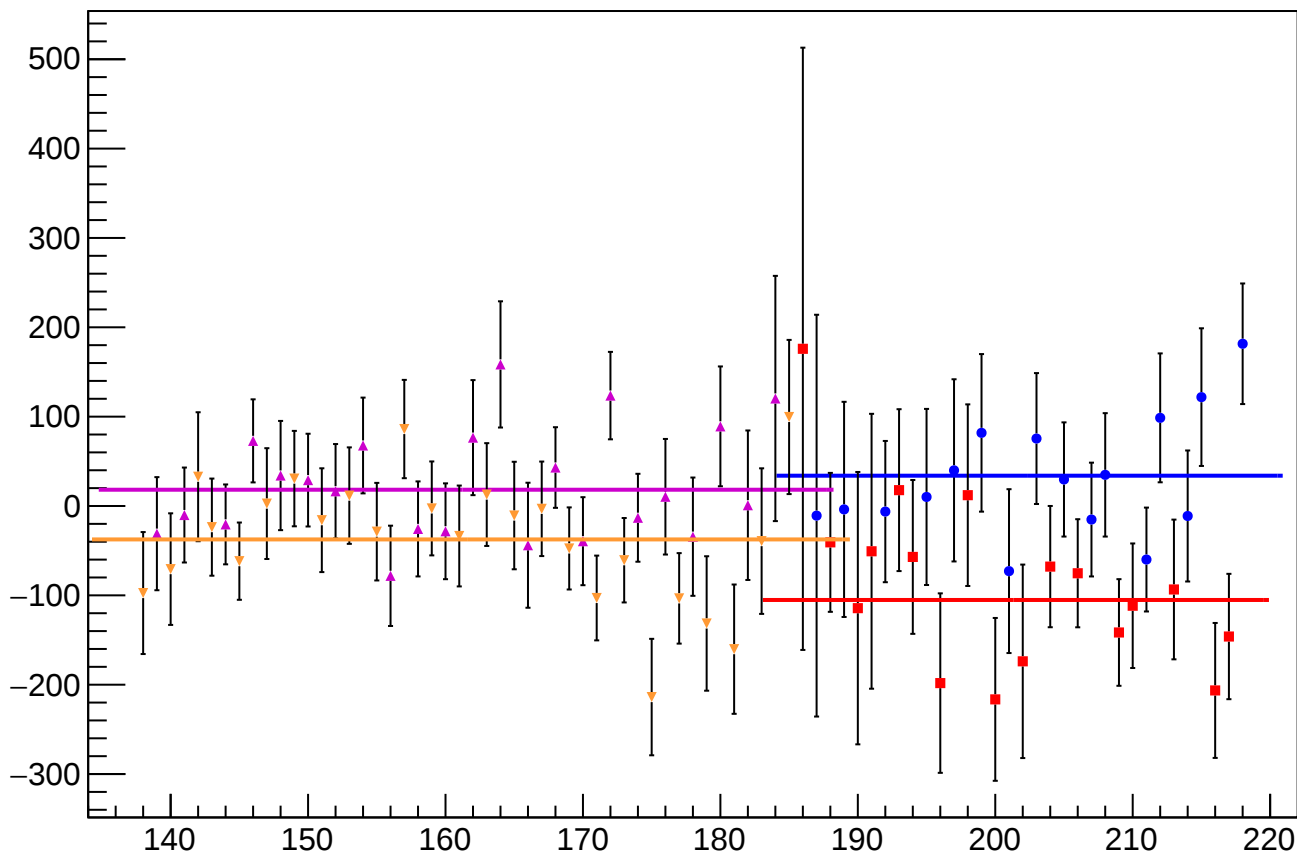
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 536.432+/-0.080 χ^2/NDF : 14002657.9/40

All: 535.583+/-0.057 χ^2/NDF : 28389976.7/80

- sign 534.700+/-0.081 χ^2/NDF : 14387086.1/39

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 33.912 ± 19.443 χ^2/NDF : 12.9/15

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -105.178 ± 20.256 χ^2/NDF : 10.8/16

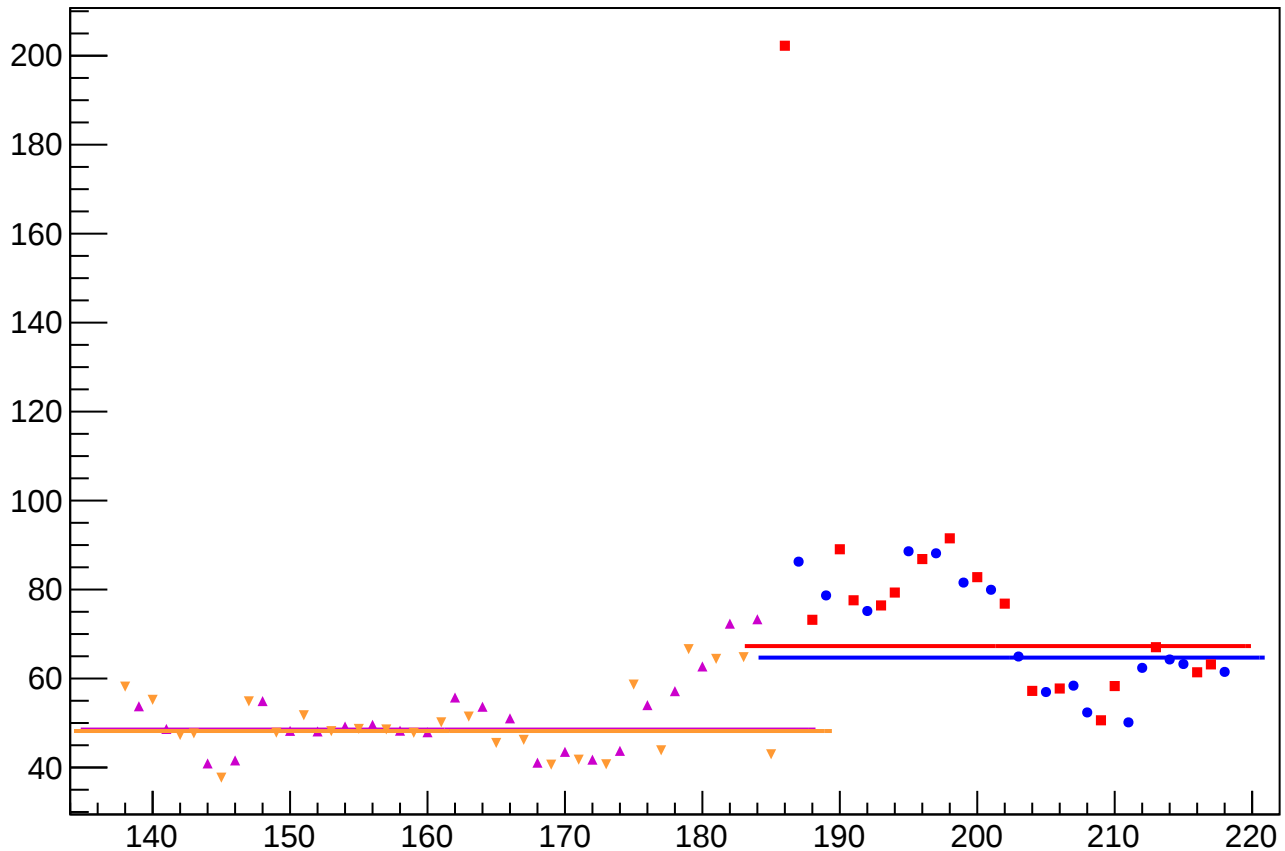
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -19.191 ± 9.828 χ^2/NDF : 53.4/40

All: -16.209 ± 7.073 χ^2/NDF : 115.1/80

- sign -13.005 ± 10.188 χ^2/NDF : 61.5/39

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: 67.291 $\pm$ 0.014 χ^2 /NDF: 1006598.9/16

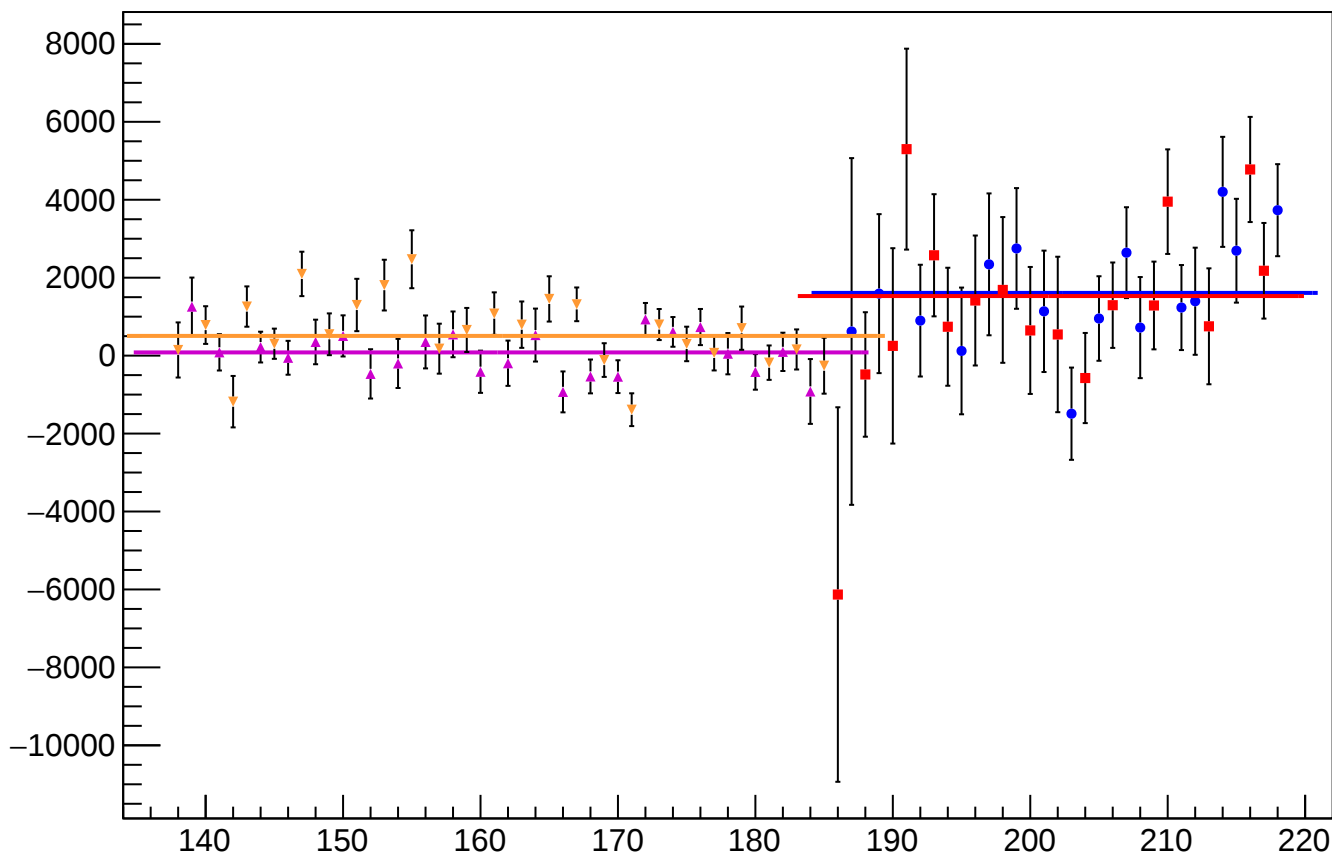
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 52.415 $\pm$ 0.007 χ^2 /NDF: 2500676.5/40

All: 52.829 $\pm$ 0.005 χ^2 /NDF: 5472121.8/80

- sign 53.274 $\pm$ 0.007 χ^2 /NDF: 2964090.4/39

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: 1528.878 $\pm$ 366.328 χ^2 /NDF: 20.8/16

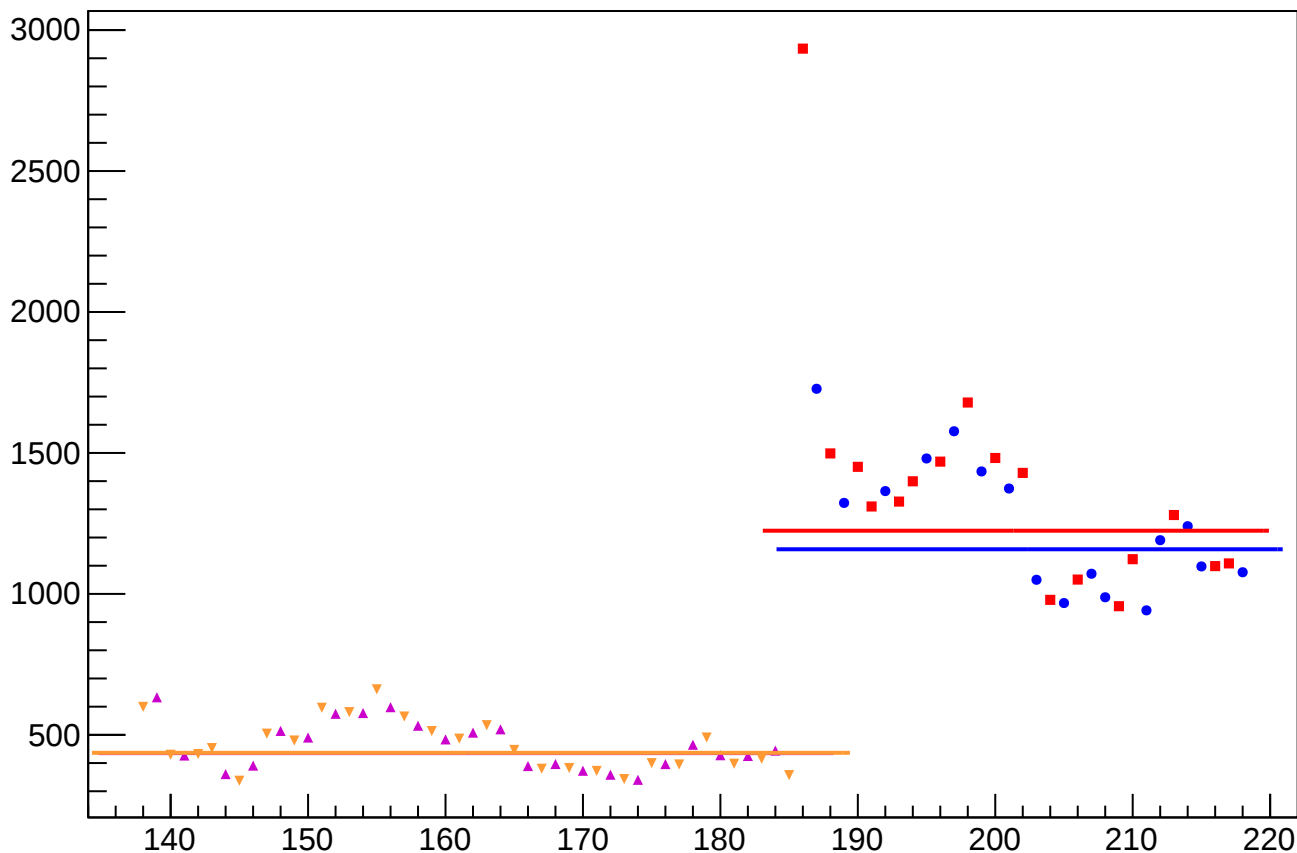
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF: 25.3/22

+ sign 596.583 $\pm$ 99.140 χ^2 /NDF: 92.8/40

All: 400.574 $\pm$ 71.013 χ^2 /NDF: 161.4/80

- sign 194.047 $\pm$ 101.766 χ^2 /NDF: 60.5/39

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: 1224.169+/-0.259 χ^2/NDF : 901415.2/16

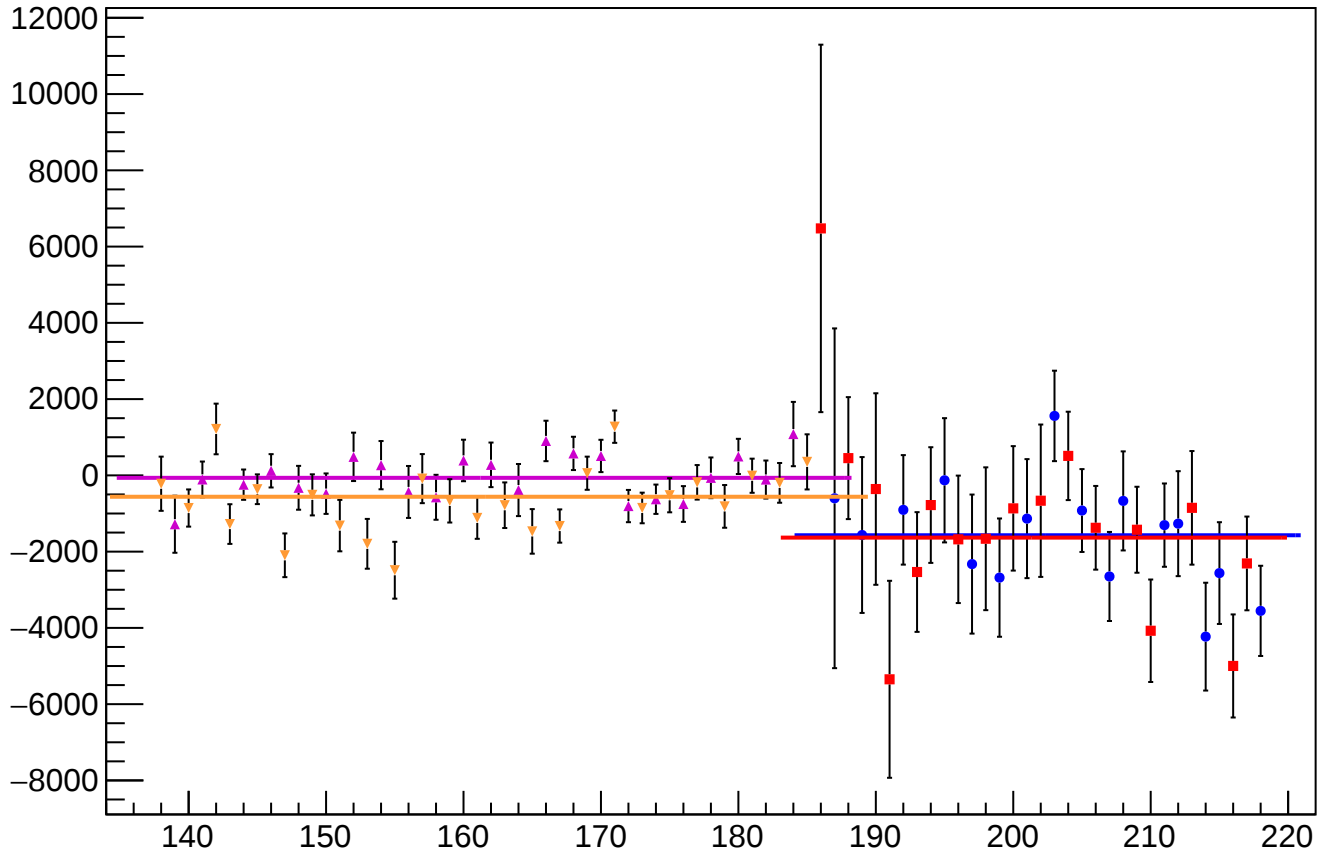
Left In: 435.275+/-0.075 χ^2/NDF : 1027713.1/22

+ sign 495.430+/-0.070 χ^2/NDF : 9752720.3/40

All: 495.784+/-0.050 χ^2/NDF : 20241392.8/80

- sign 496.156+/-0.072 χ^2/NDF : 10488620.3/39

asym_sam_15_48_dd_mean vs Slug



Right In: -1570.484 ± 347.010 $\chi^2/\text{NDF}: 17.5/15$

Left Out: -560.684 ± 104.207 $\chi^2/\text{NDF}: 61.8/24$

Right Out: -1632.301 ± 366.926 $\chi^2/\text{NDF}: 21.6/16$

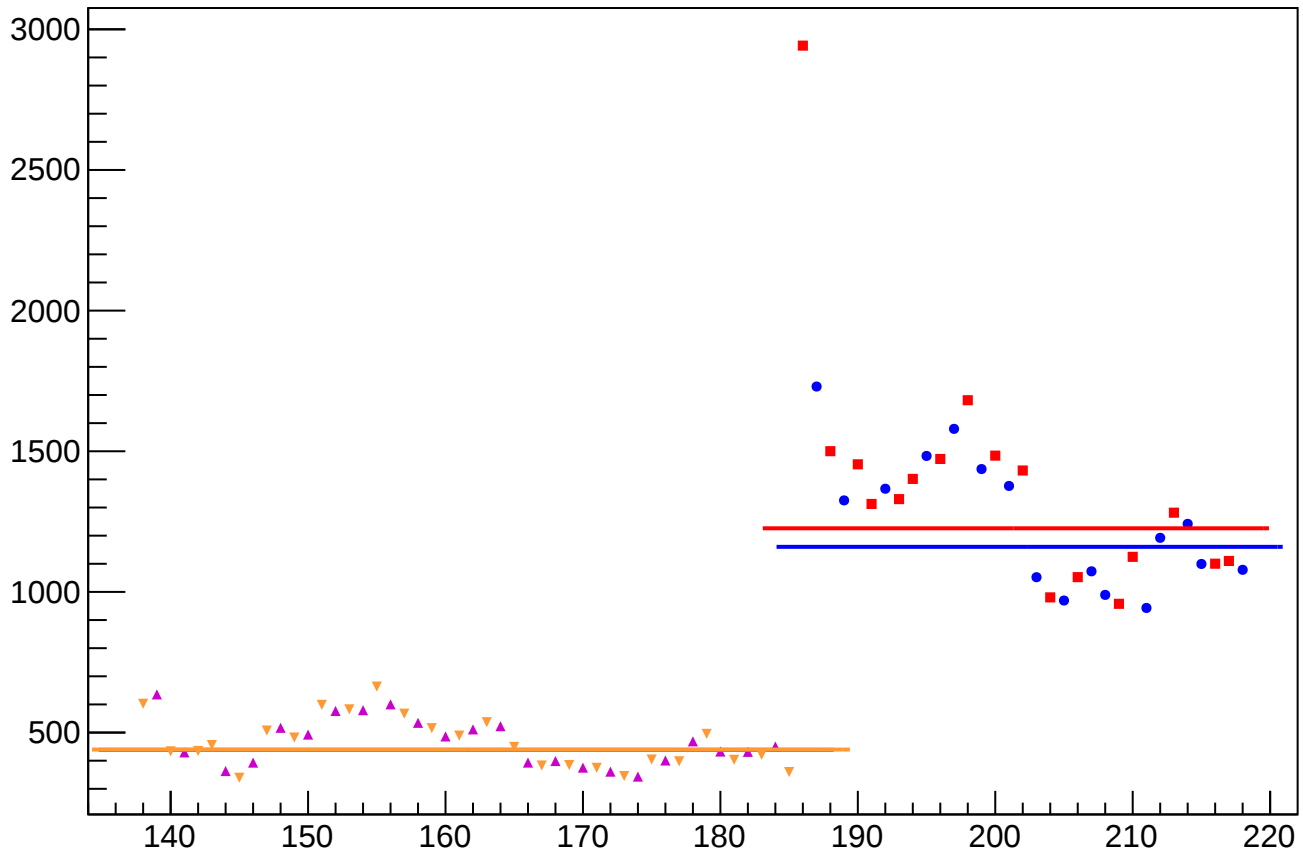
Left In: -64.594 ± 106.708 $\chi^2/\text{NDF}: 25.2/22$

+ sign -644.215 ± 99.804 $\chi^2/\text{NDF}: 87.0/40$

All: -421.539 ± 71.494 $\chi^2/\text{NDF}: 160.8/80$

- sign -186.842 ± 102.463 $\chi^2/\text{NDF}: 63.6/39$

asym_sam_15_48_dd_rms vs Slug



Right In: 1160.225 $\pm$ 0.245 χ^2 /NDF: 598253.8/15

Left Out: 439.527 $\pm$ 0.074 χ^2 /NDF: 1163352.8/24

Right Out: 1226.151 $\pm$ 0.259 χ^2 /NDF: 902094.5/16

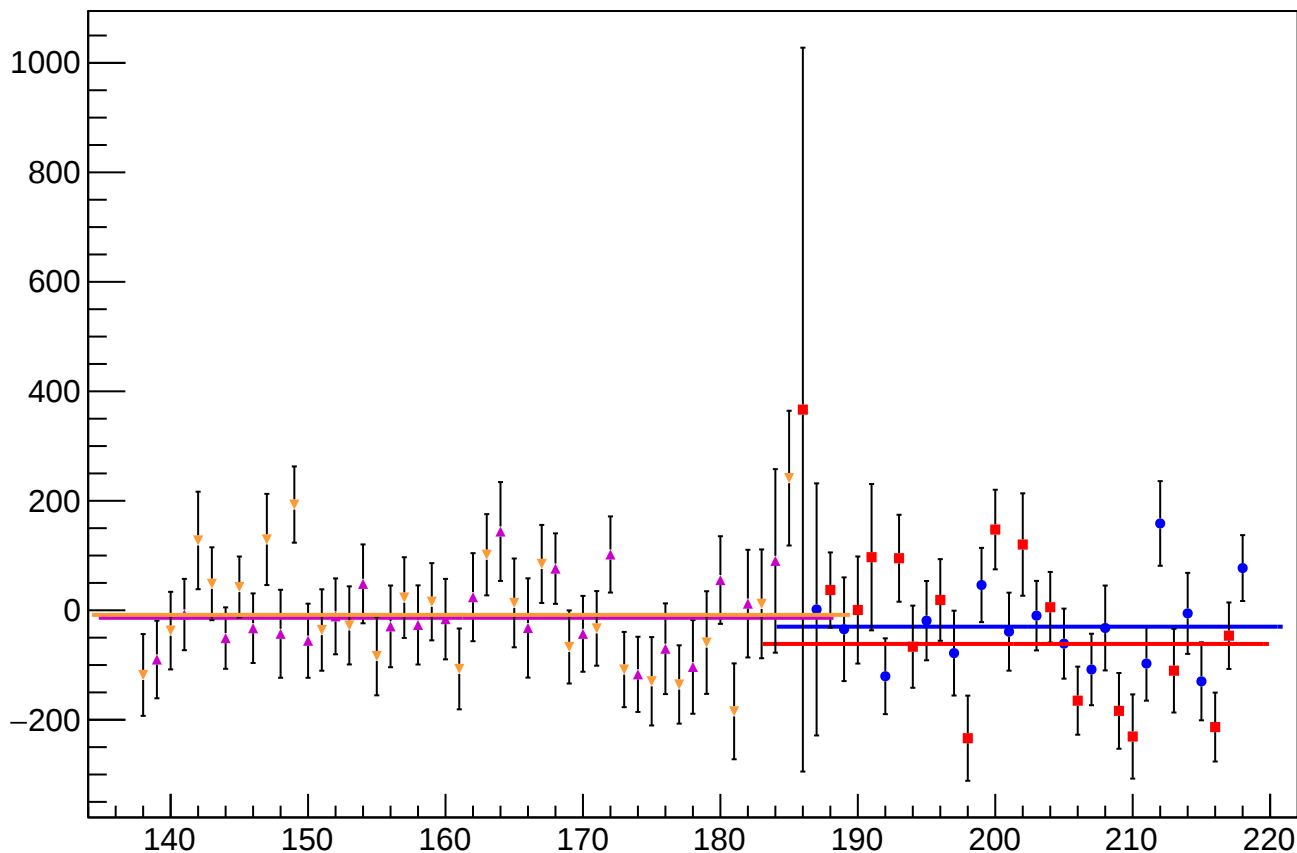
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF: 1013071.4/22

+ sign 499.143 $\pm$ 0.071 χ^2 /NDF: 9674853.7/40

All: 499.543 $\pm$ 0.051 χ^2 /NDF: 20086381.6/80

- sign 499.964 $\pm$ 0.072 χ^2 /NDF: 10411462.2/39

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: -61.463 ± 18.470 χ^2/NDF : 44.4/16

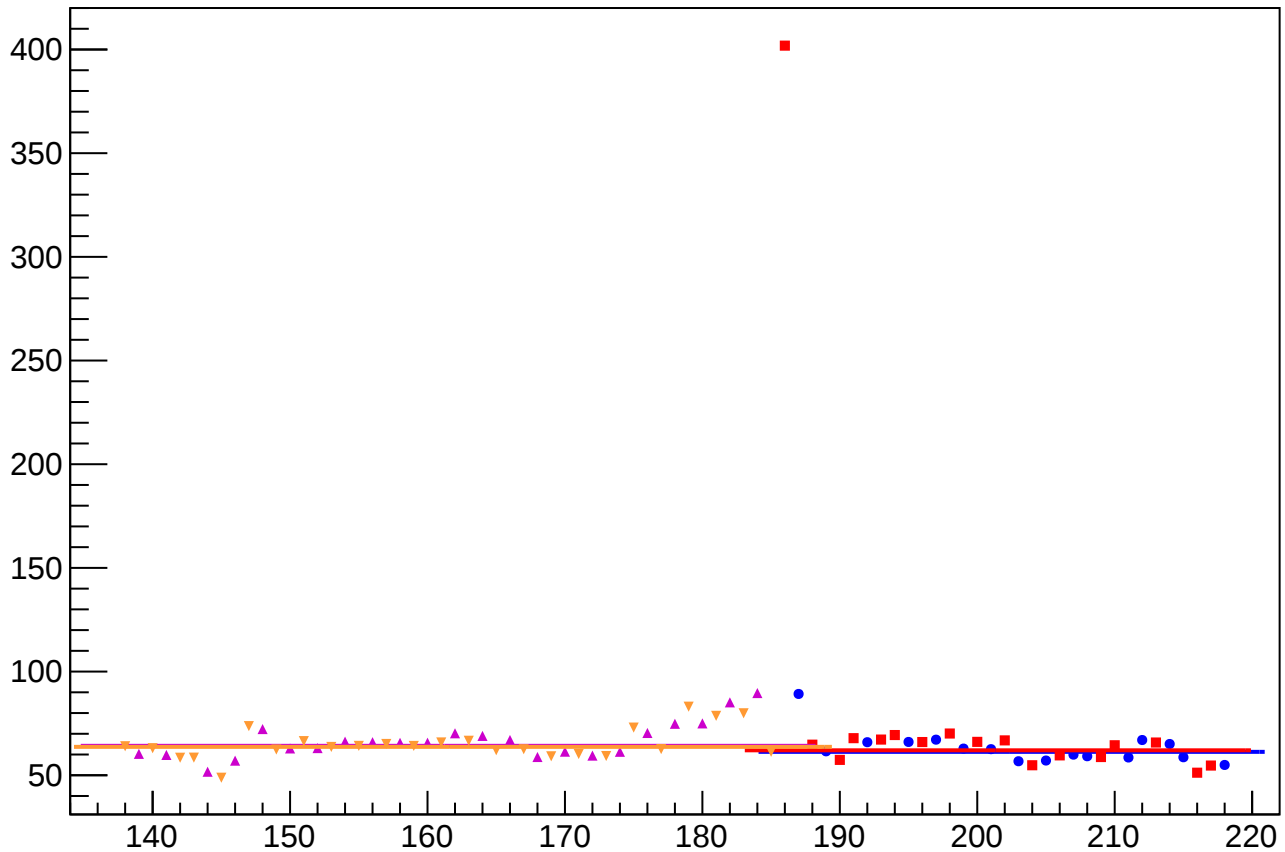
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -17.132 ± 11.526 χ^2/NDF : 59.8/40

All: -25.040 ± 8.267 χ^2/NDF : 125.3/80

- sign -33.418 ± 11.863 χ^2/NDF : 64.6/39

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: 62.026 $\pm$ 0.013 χ^2 /NDF: 733933.8/16

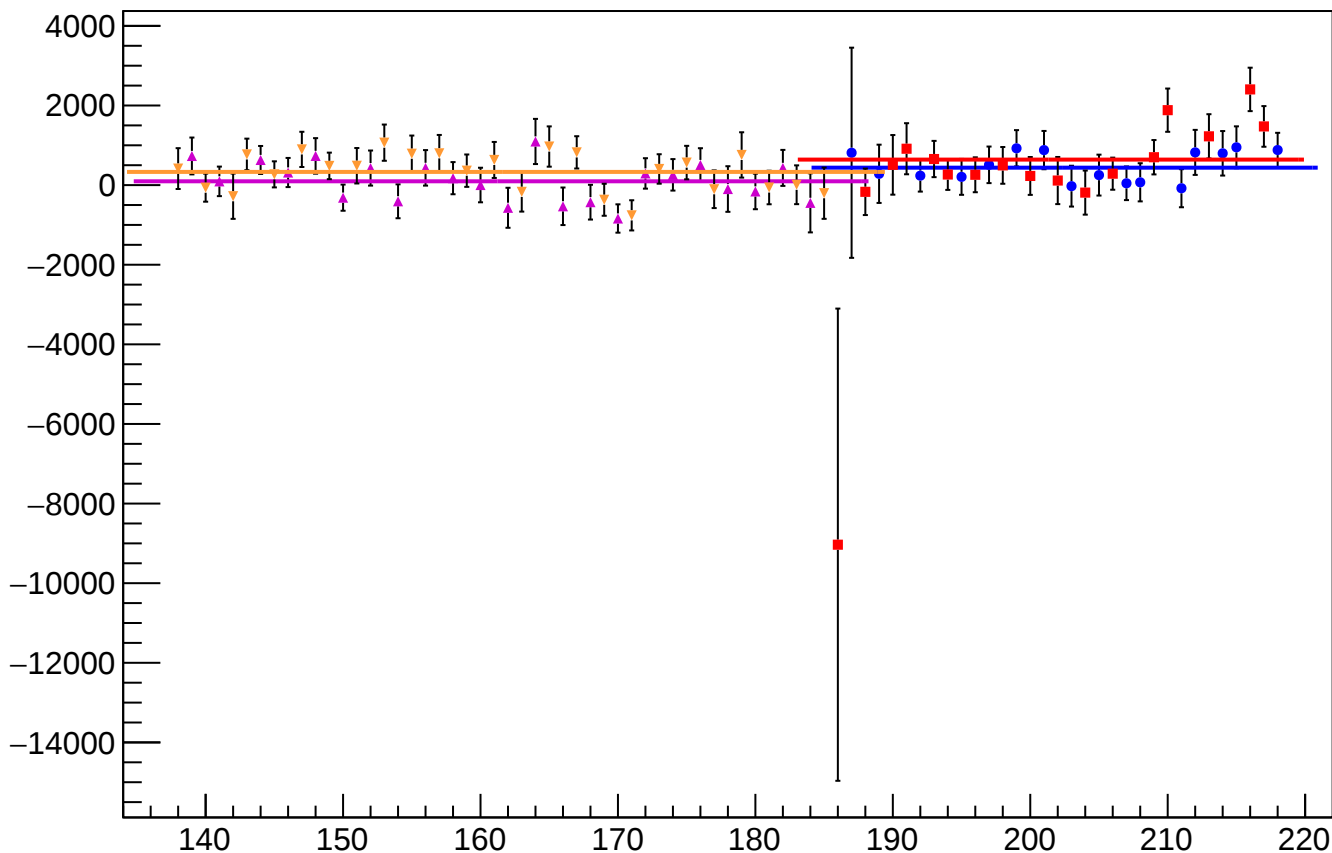
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 62.721 $\pm$ 0.008 χ^2 /NDF: 595120.1/40

All: 63.000 $\pm$ 0.006 χ^2 /NDF: 1777265.4/80

- sign 63.297 $\pm$ 0.008 χ^2 /NDF: 1179721.9/39

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 438.183 ± 124.751 χ^2/NDF : 9.0/15

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 641.067 ± 124.548 χ^2/NDF : 30.6/16

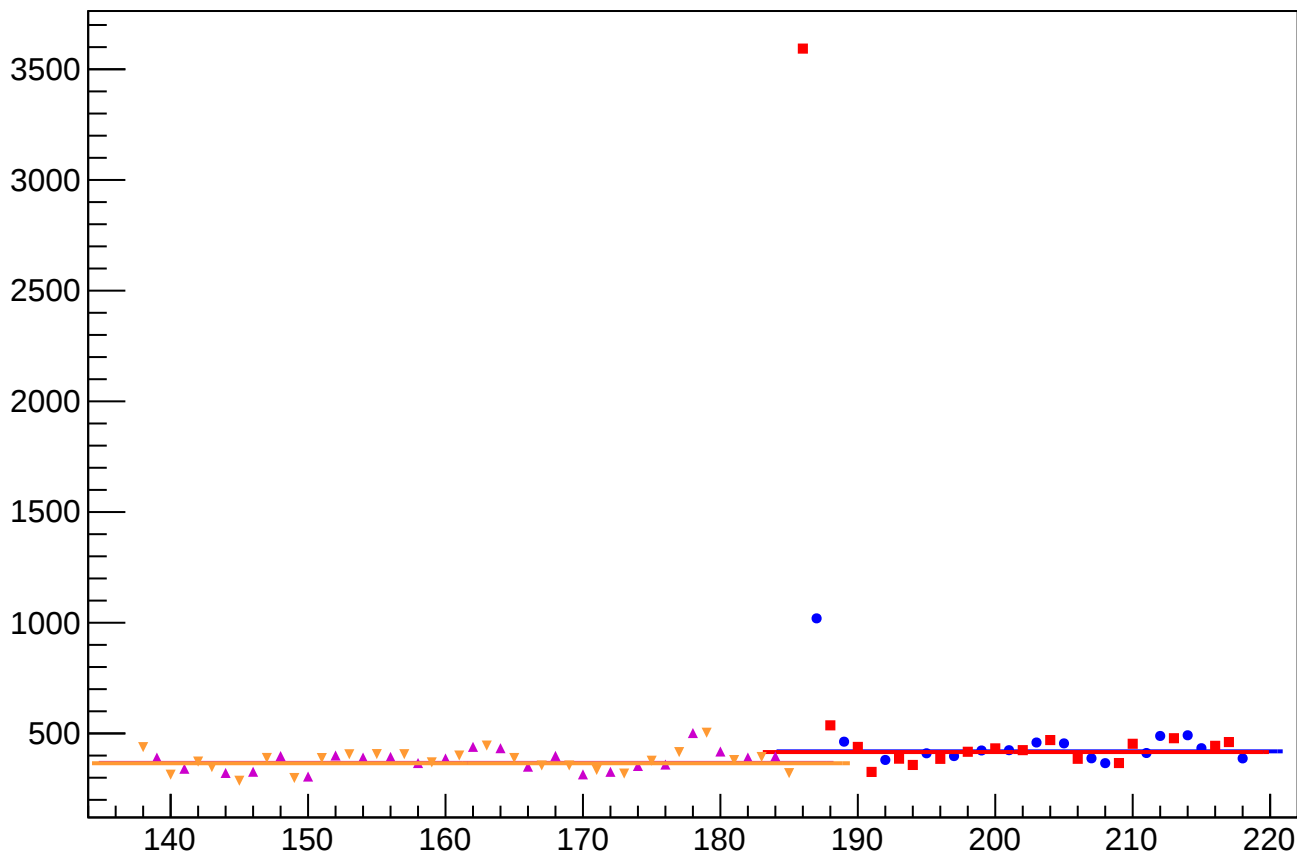
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 366.067 ± 70.845 χ^2/NDF : 39.4/40

All: 323.493 ± 50.576 χ^2/NDF : 112.1/80

- sign 279.242 ± 72.226 χ^2/NDF : 72.0/39

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: 415.884+/-0.088 χ^2/NDF : 880134.7/16

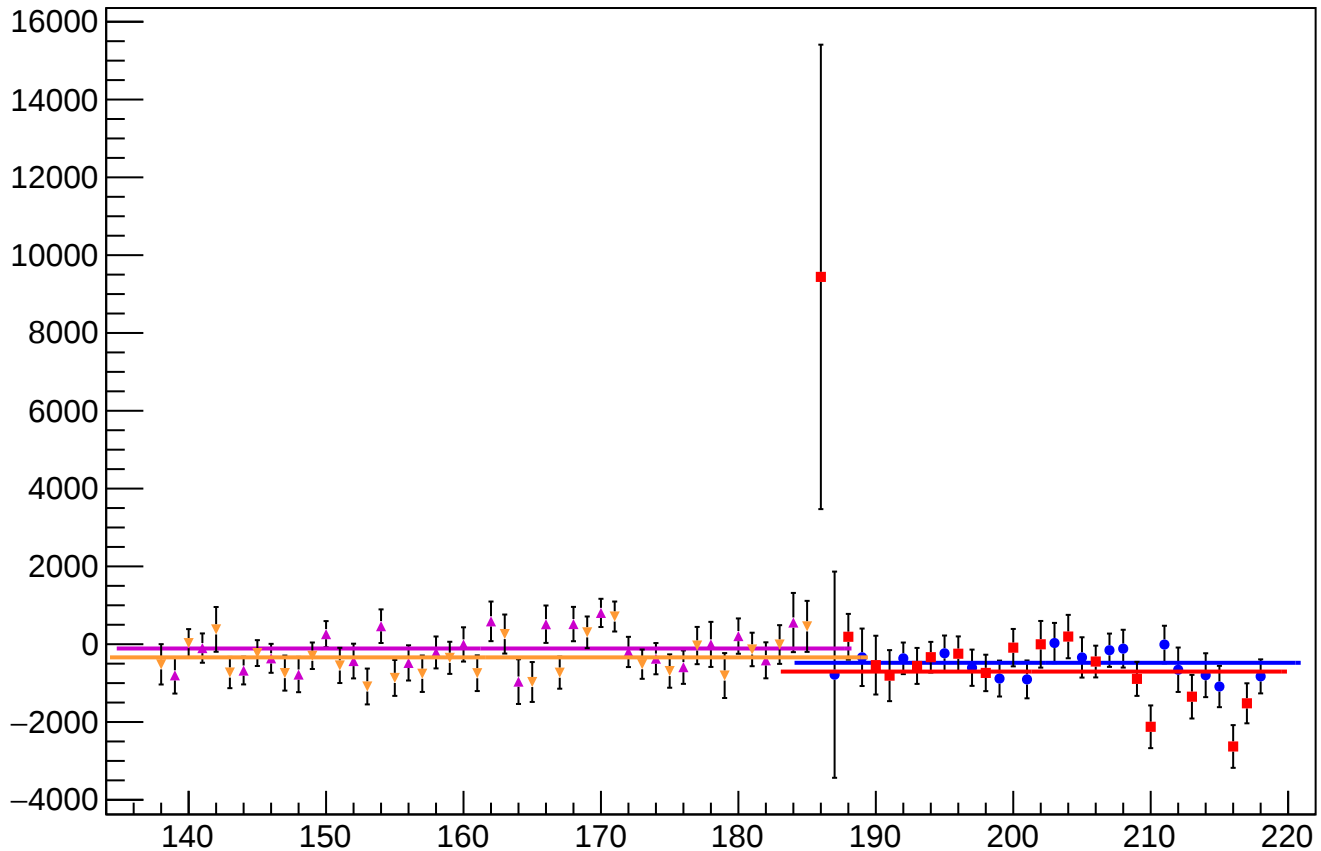
Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

+ sign 382.685+/-0.050 χ^2/NDF : 1139333.8/40

All: 383.030+/-0.036 χ^2/NDF : 2702768.2/80

- sign 383.389+/-0.051 χ^2/NDF : 1563337.3/39

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: -703.752 ± 126.107 χ^2/NDF : 36.3/16

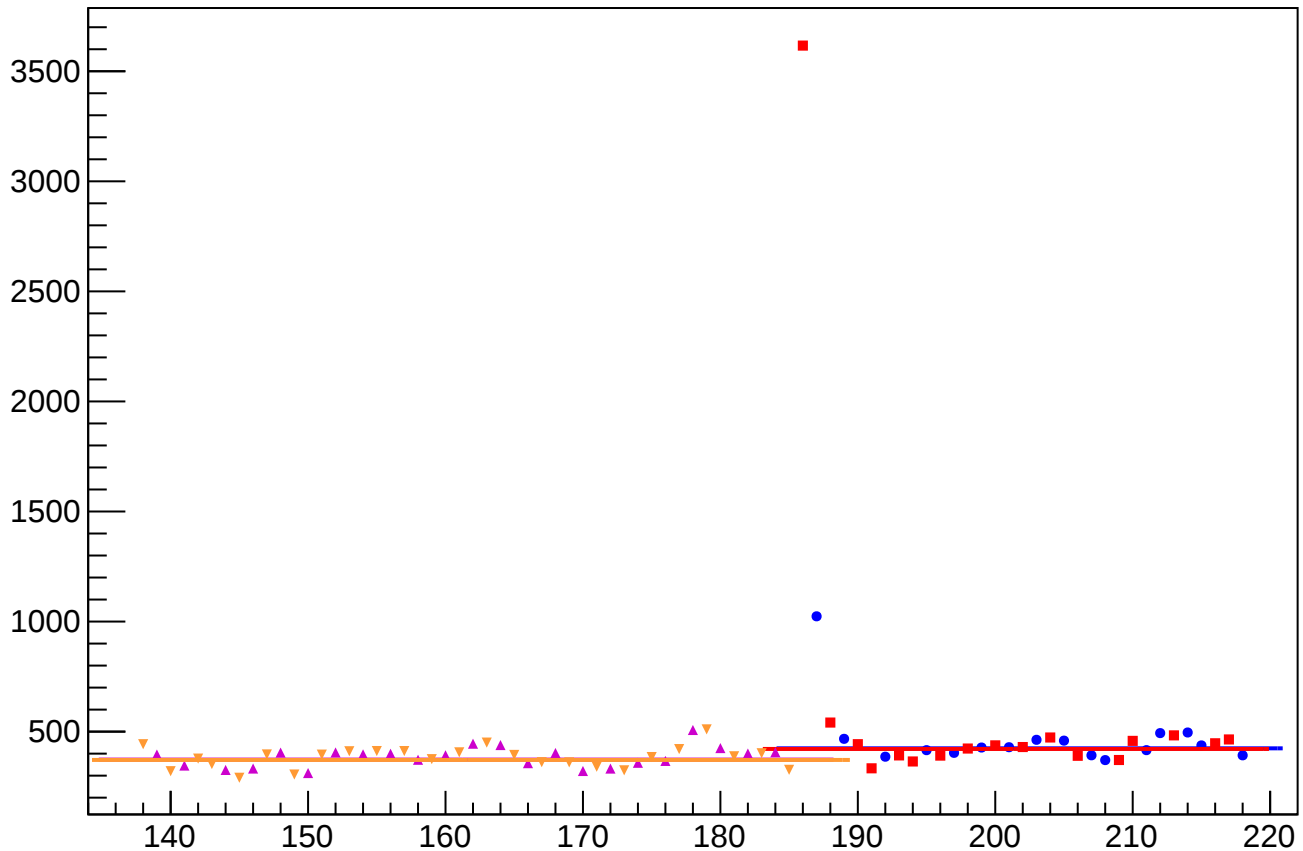
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -383.821 ± 71.877 χ^2/NDF : 36.6/40

All: -348.046 ± 51.321 χ^2/NDF : 117.3/80

- sign -310.839 ± 73.302 χ^2/NDF : 80.2/39

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: 421.297 $\pm$ 0.089 χ^2 /NDF: 862724.1/16

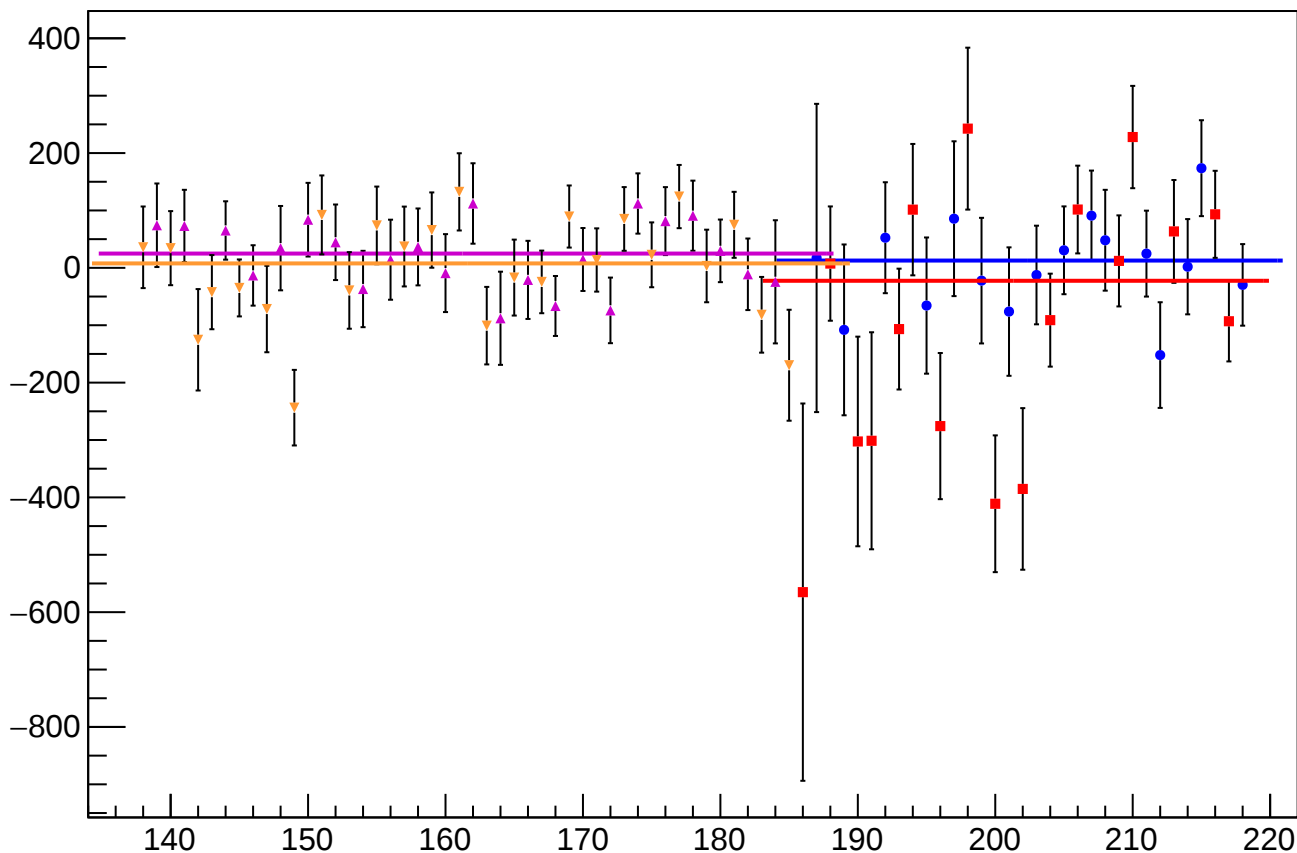
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 388.457 $\pm$ 0.051 χ^2 /NDF: 1101250.2/40

All: 388.859 $\pm$ 0.036 χ^2 /NDF: 2626177.0/80

- sign 389.277 $\pm$ 0.052 χ^2 /NDF: 1524799.2/39

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 12.702 ± 23.339 $\chi^2/\text{NDF}: 10.9/15$

Left Out: 7.723 ± 12.656 $\chi^2/\text{NDF}: 45.4/24$

Right Out: -22.538 ± 24.412 $\chi^2/\text{NDF}: 49.6/16$

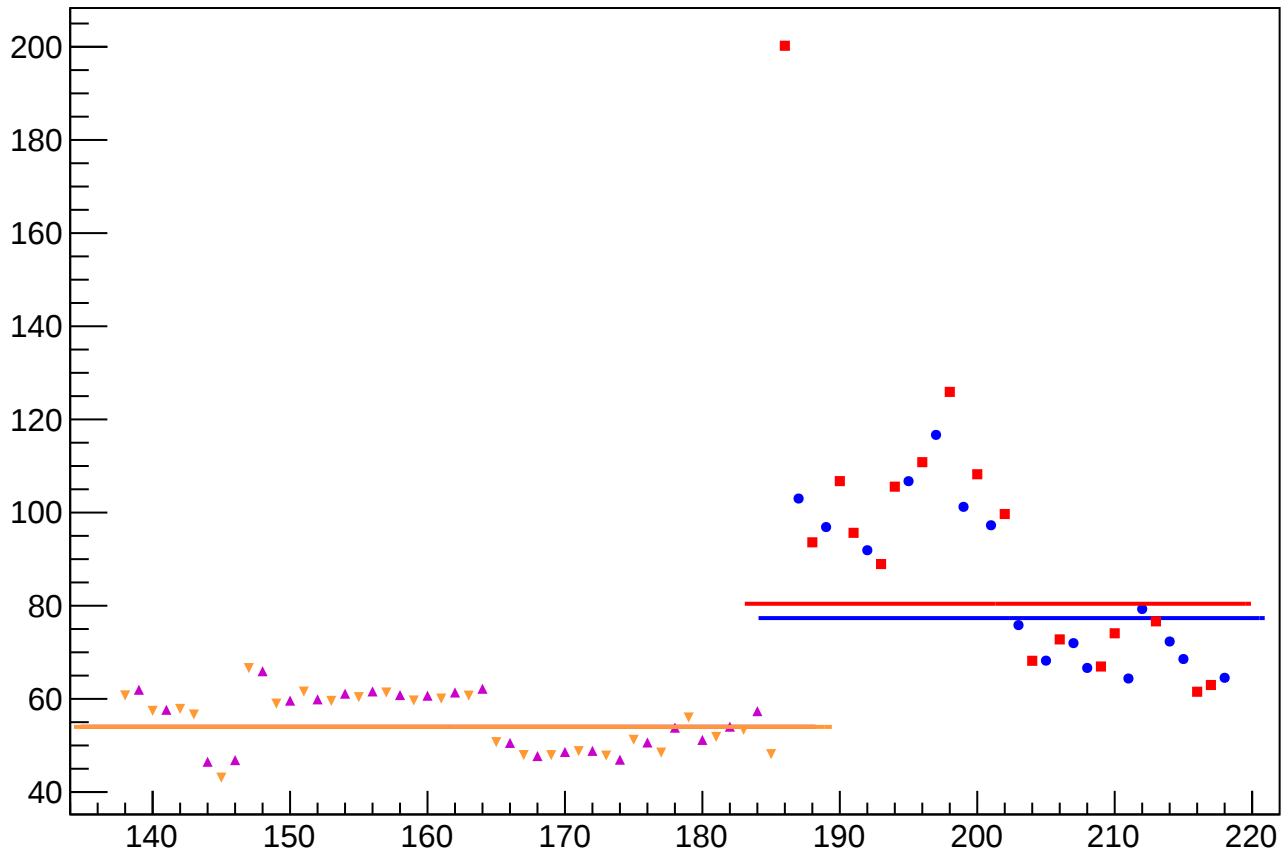
Left In: 24.887 ± 13.029 $\chi^2/\text{NDF}: 19.7/22$

+ sign 8.855 ± 11.125 $\chi^2/\text{NDF}: 56.3/40$

All: 11.524 ± 7.994 $\chi^2/\text{NDF}: 128.7/80$

- sign -14.374 ± 11.494 $\chi^2/\text{NDF}: 72.3/39$

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 77.347 $\pm$ 0.017 χ^2 /NDF: 773250.1/15

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 80.426 $\pm$ 0.017 χ^2 /NDF: 1318271.5/16

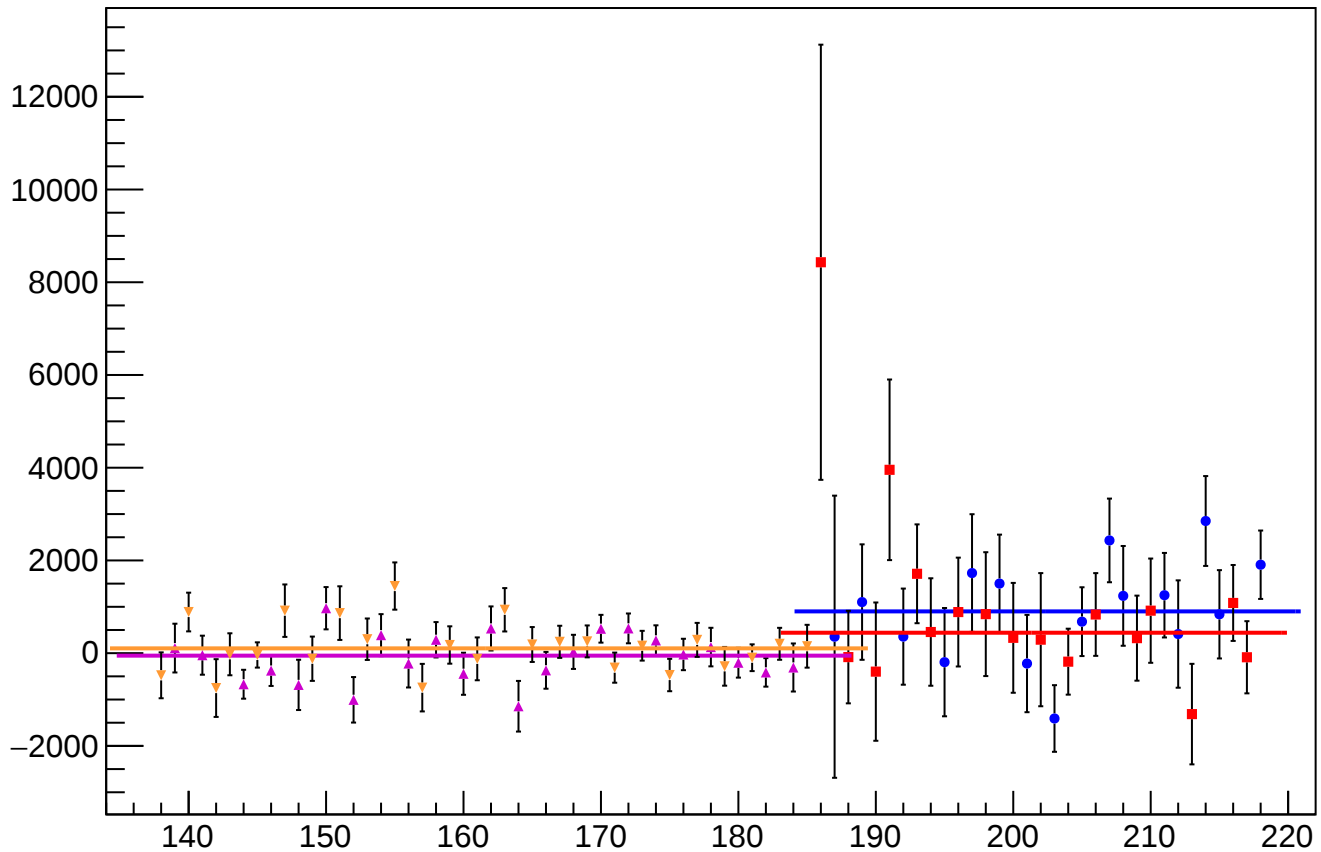
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 59.292 $\pm$ 0.008 χ^2 /NDF: 2781003.2/40

All: 59.577 $\pm$ 0.006 χ^2 /NDF: 6366017.6/80

- sign 59.880 $\pm$ 0.008 χ^2 /NDF: 3582316.8/39

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: 440.887 ± 257.528 χ^2/NDF : 13.3/16

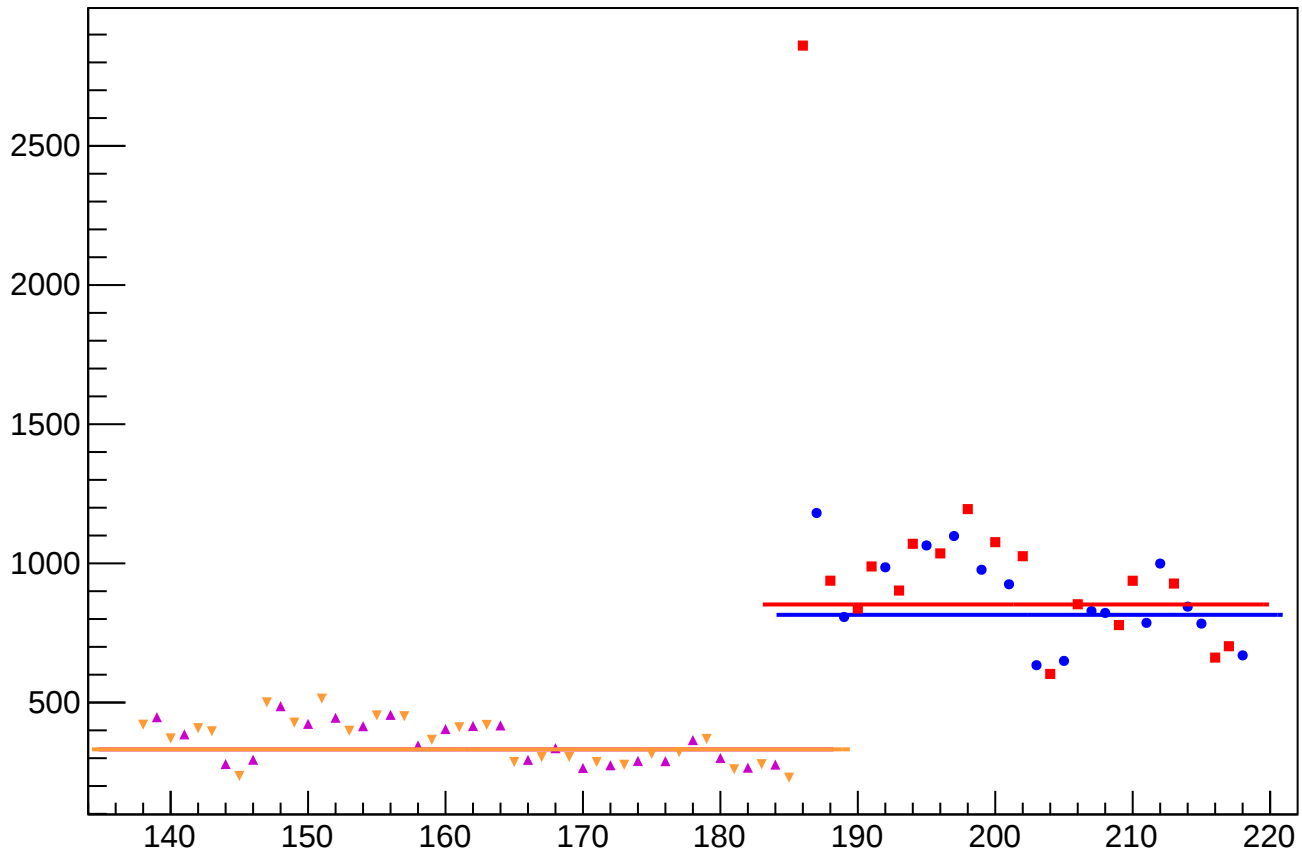
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 179.375 ± 75.488 χ^2/NDF : 63.3/40

All: 87.699 ± 54.056 χ^2/NDF : 117.0/80

- sign -8.786 ± 77.443 χ^2/NDF : 50.7/39

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 815.085 $\pm$ 0.173 χ^2 /NDF: 704440.8/15

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 852.319 $\pm$ 0.182 χ^2 /NDF: 1210697.9/16

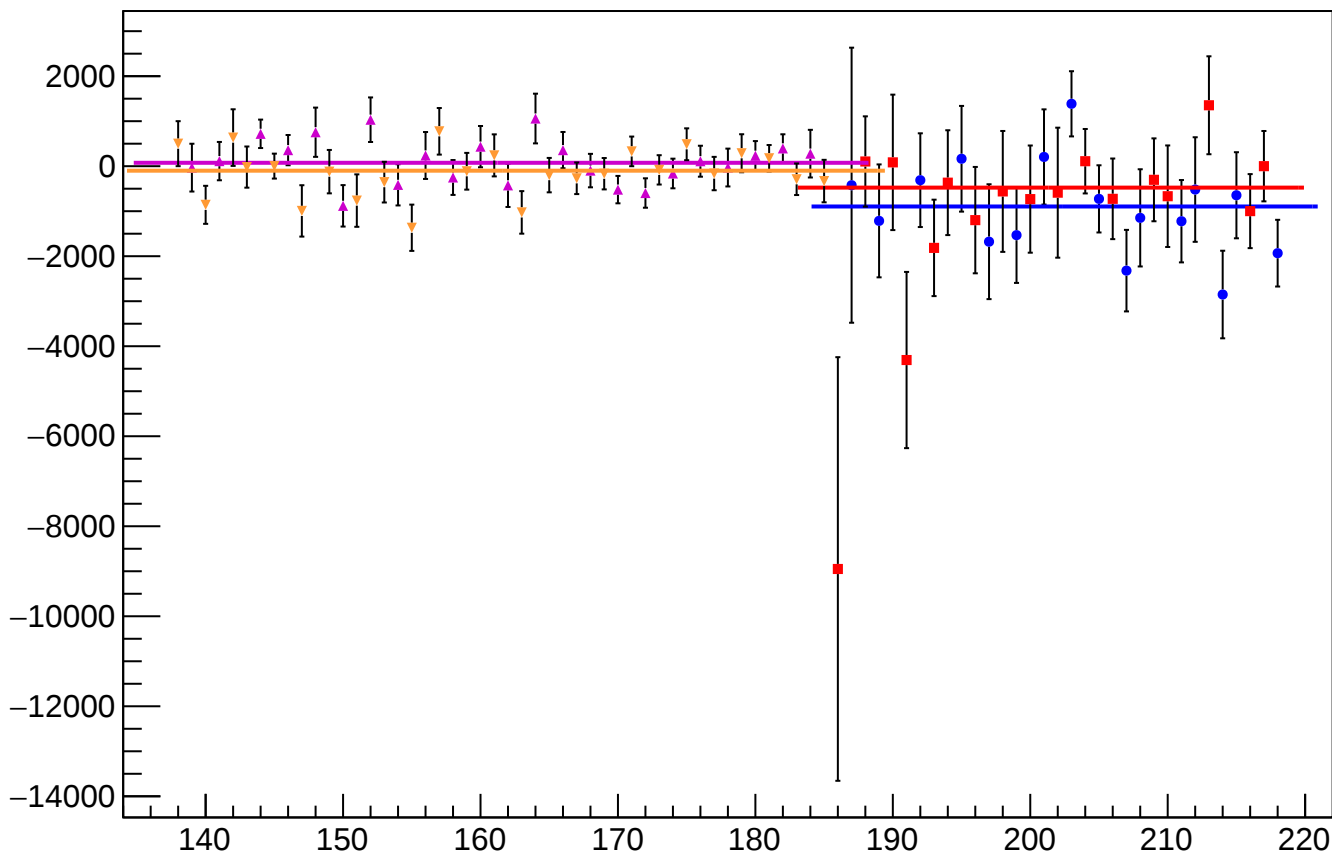
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 377.604 $\pm$ 0.053 χ^2 /NDF: 9453598.2/40

All: 378.162 $\pm$ 0.038 χ^2 /NDF: 19403322.9/80

- sign 378.748 $\pm$ 0.055 χ^2 /NDF: 9949500.7/39

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: -475.952 ± 258.827 χ^2/NDF : 14.0/16

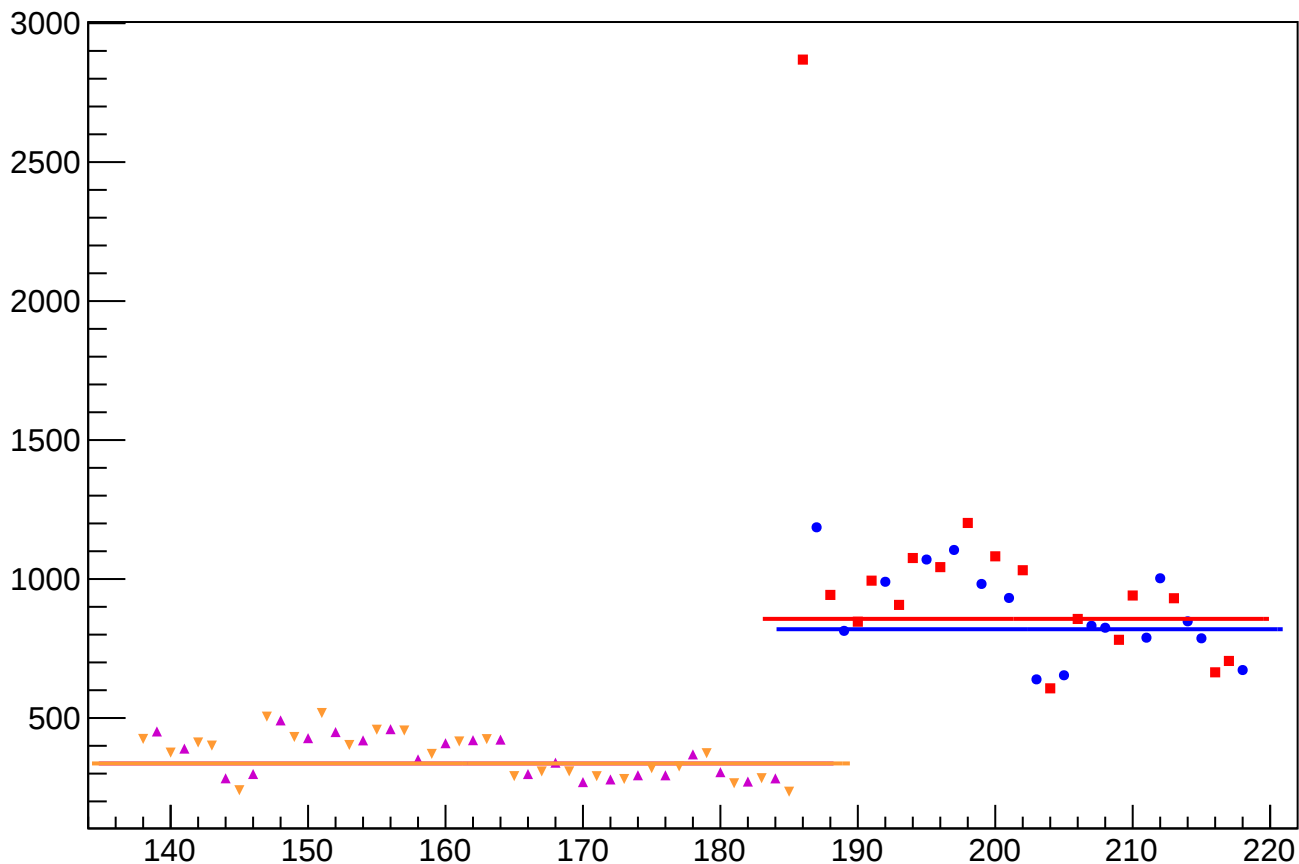
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -176.375 ± 76.458 χ^2/NDF : 61.9/40

All: -78.313 ± 54.754 χ^2/NDF : 115.5/80

- sign 24.915 ± 78.447 χ^2/NDF : 50.2/39

asym_sam_15_26_dd_rms vs Slug



Right In: 819.426 ± 0.174 $\chi^2/\text{NDF}: 701011.1/15$

Left Out: 336.557 ± 0.057 $\chi^2/\text{NDF}: 1665919.4/24$

Right Out: 856.685 ± 0.183 $\chi^2/\text{NDF}: 1209552.8/16$

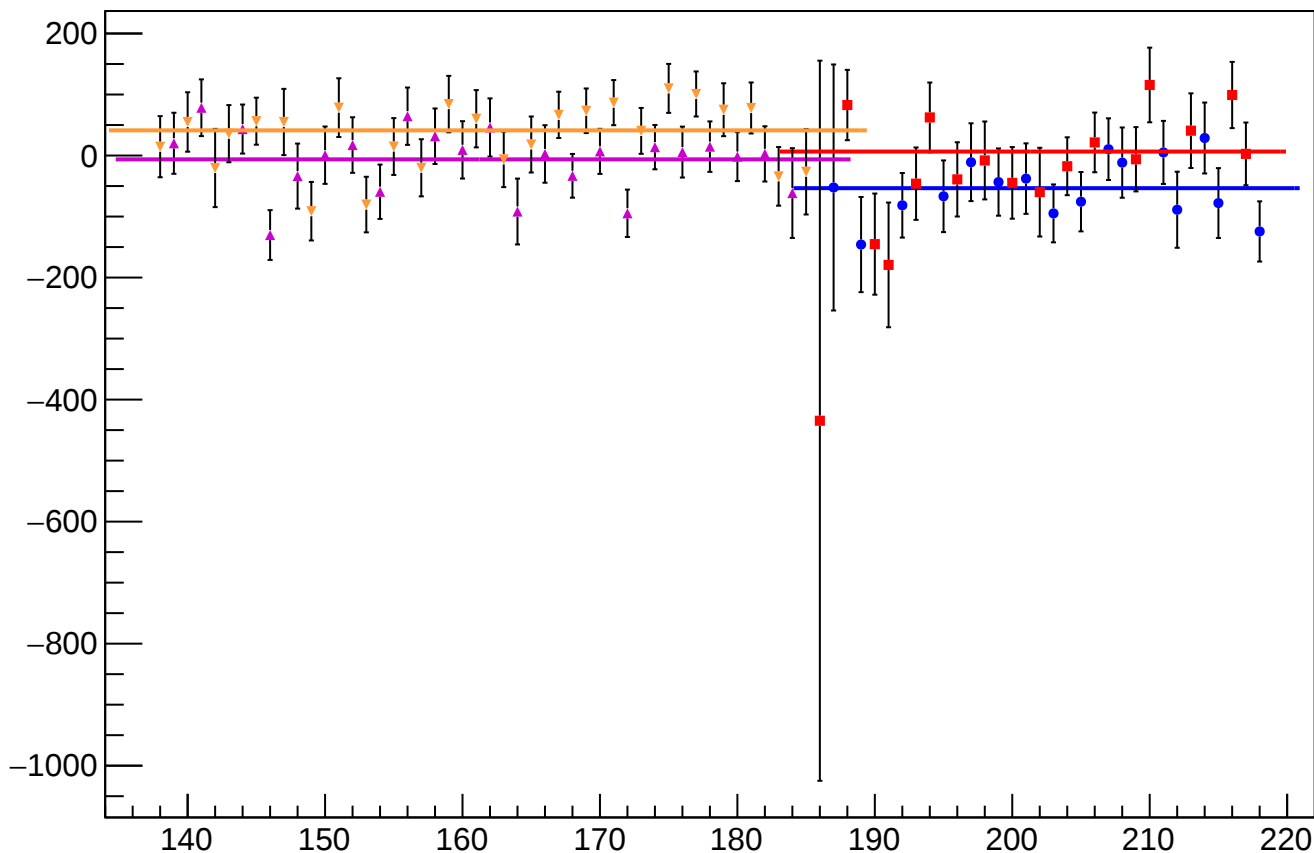
Left In: 336.439 ± 0.058 $\chi^2/\text{NDF}: 1269066.3/22$

+ sign 383.048 ± 0.054 $\chi^2/\text{NDF}: 9307688.6/40$

All: 383.623 ± 0.039 $\chi^2/\text{NDF}: 19124546.5/80$

- sign 384.229 ± 0.055 $\chi^2/\text{NDF}: 9816625.2/39$

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: 6.520 ± 14.735 $\chi^2/\text{NDF}: 19.8/16$

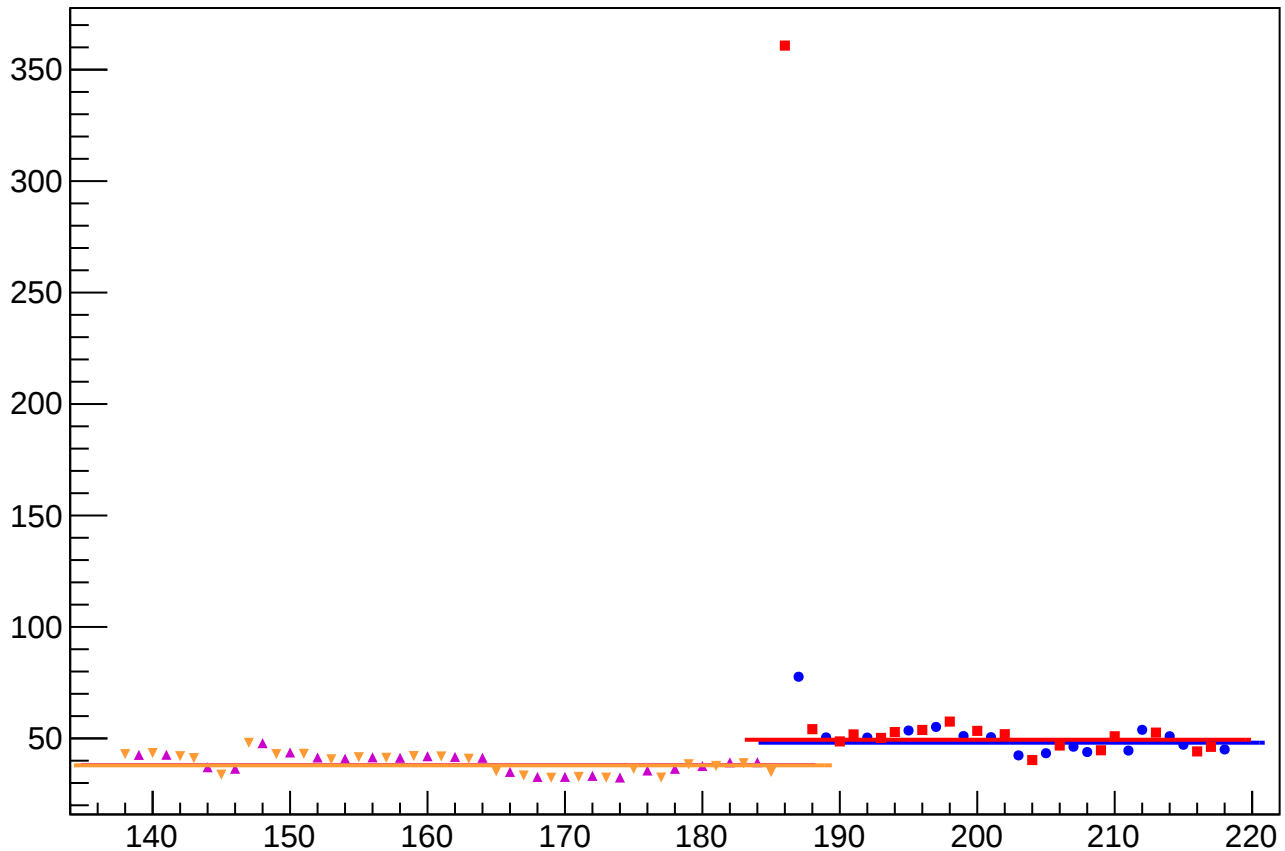
Left In: -6.254 ± 9.175 $\chi^2/\text{NDF}: 30.3/22$

+ sign 14.772 ± 7.544 $\chi^2/\text{NDF}: 77.4/40$

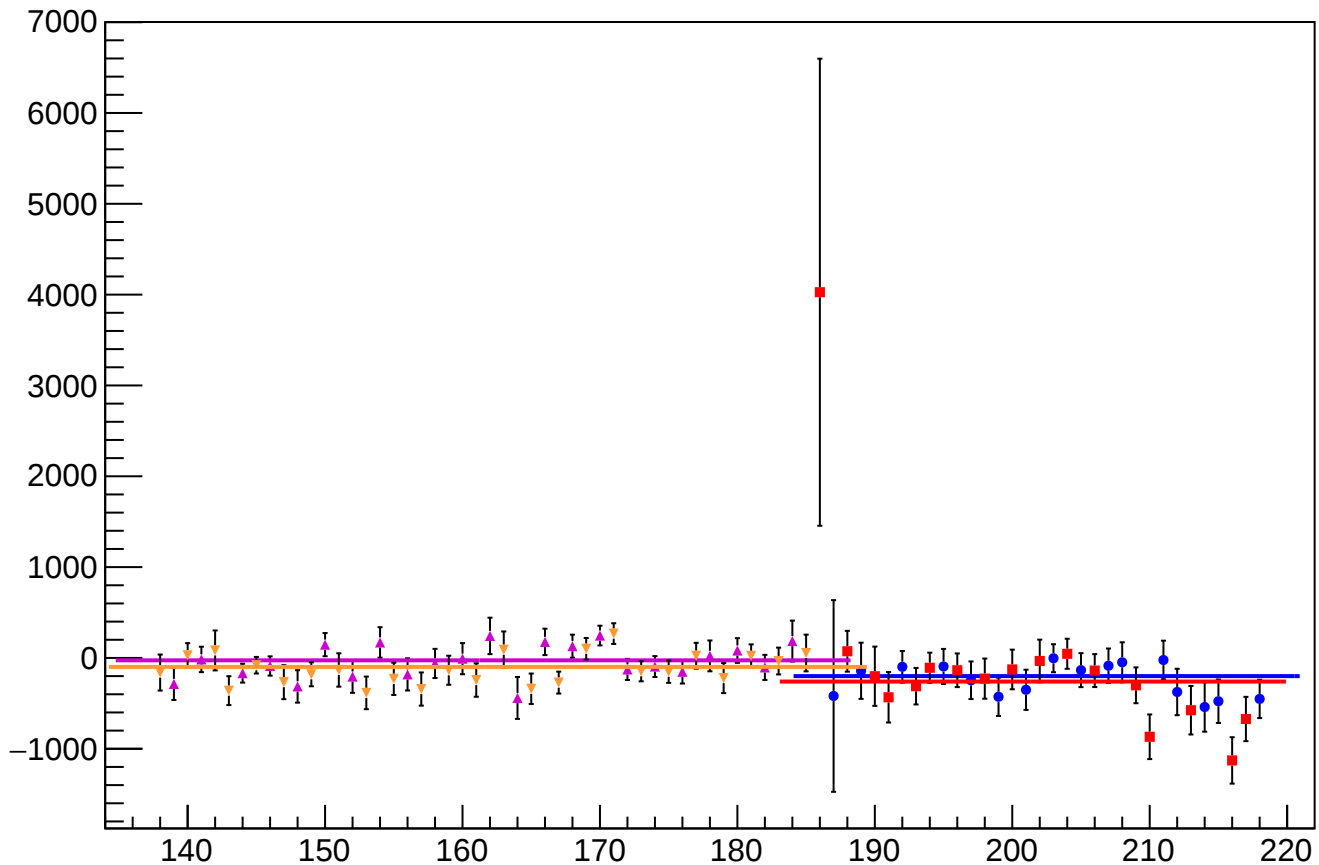
All: 6.321 ± 5.419 $\chi^2/\text{NDF}: 130.6/80$

- sign -2.685 ± 7.788 $\chi^2/\text{NDF}: 50.6/39$

reg_asym_sam_37_26_dd_rms vs Slug



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: -259.848 ± 53.650 χ^2/NDF : 33.9/16

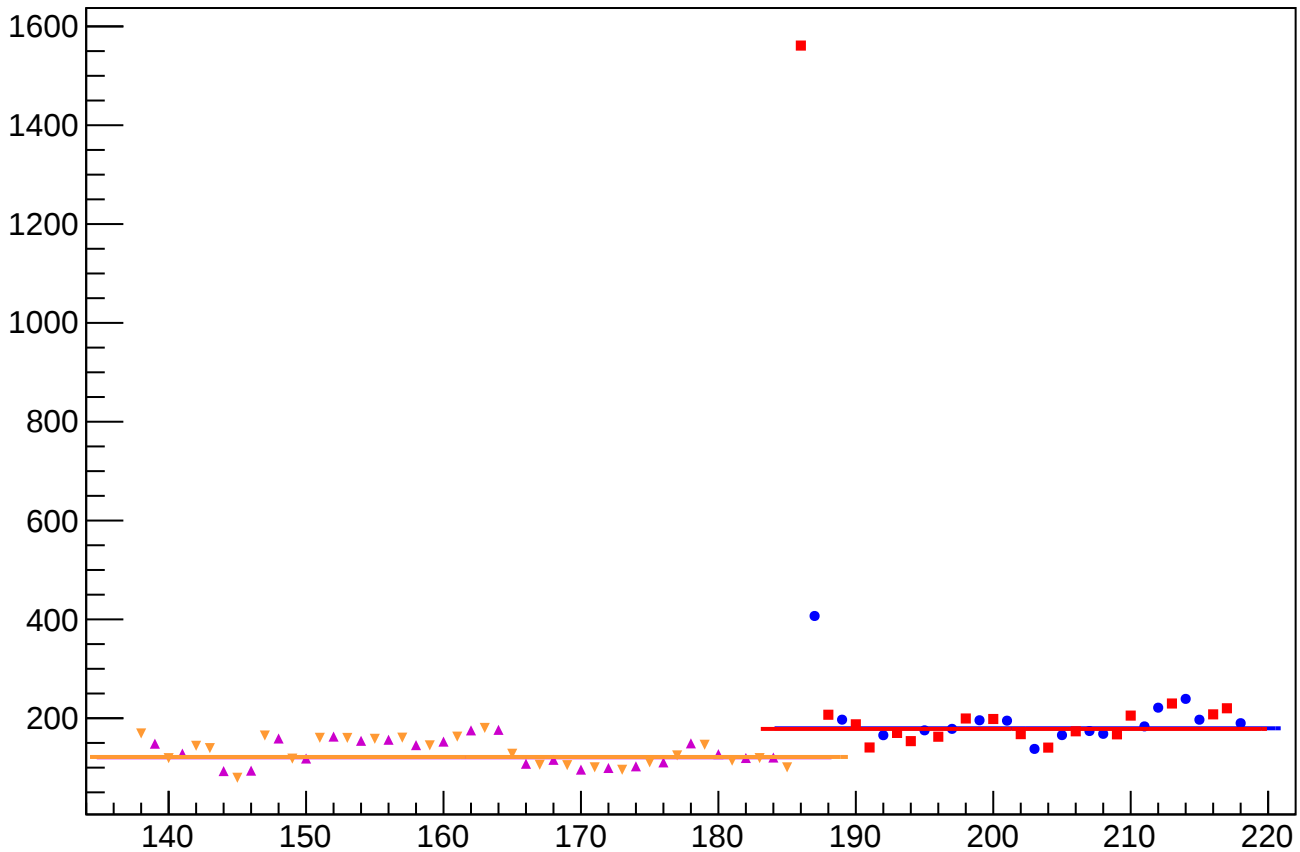
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -121.732 ± 25.579 χ^2/NDF : 46.0/40

All: -101.652 ± 18.223 χ^2/NDF : 126.3/80

- sign -80.956 ± 25.968 χ^2/NDF : 79.1/39

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 179.613+/-0.038 χ^2/NDF : 463816.0/15

Left Out: 121.592+/-0.021 χ^2/NDF : 1711423.9/24

Right Out: 178.333+/-0.038 χ^2/NDF : 1046076.6/16

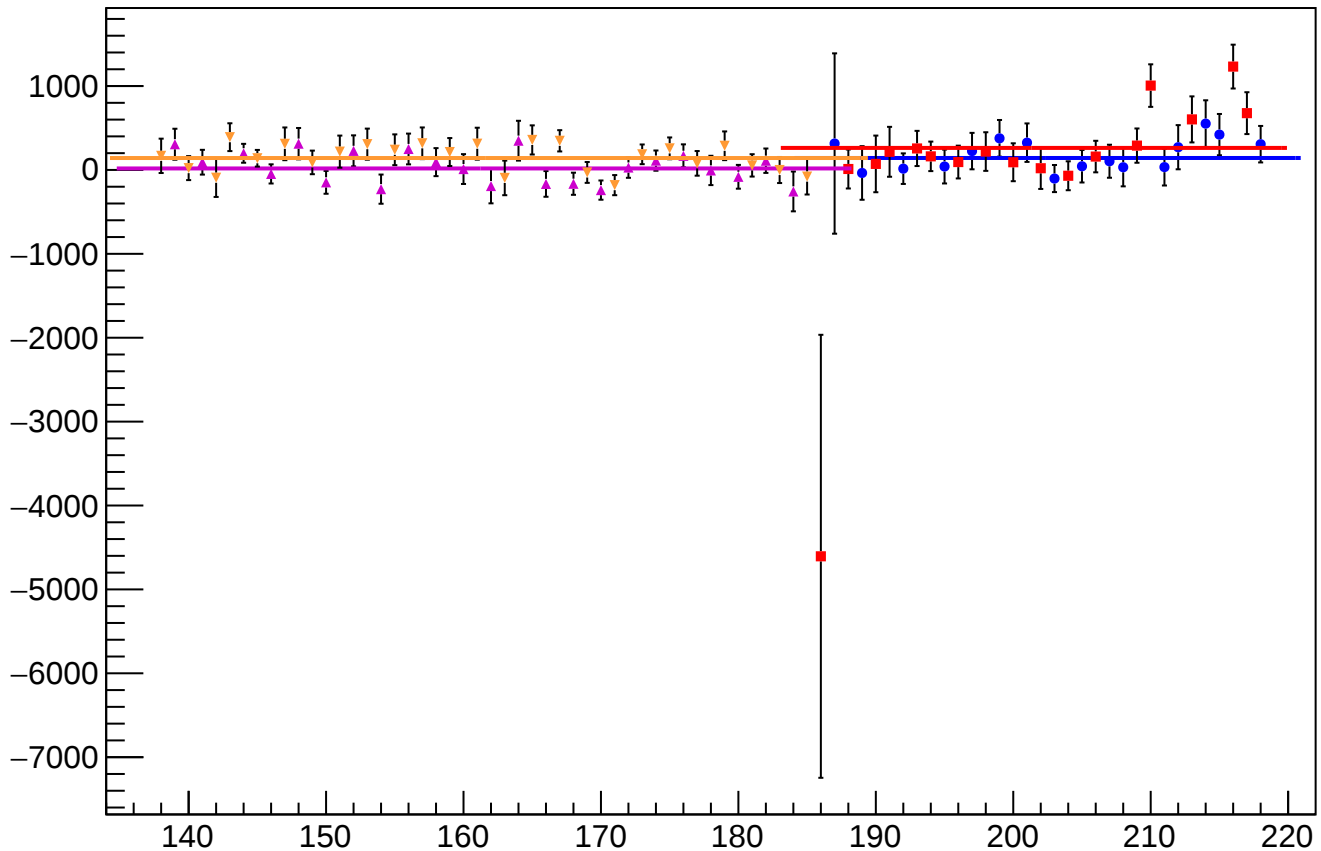
Left In: 120.927+/-0.021 χ^2/NDF : 1382861.4/22

+ sign 134.767+/-0.018 χ^2/NDF : 3981331.9/40

All: 134.575+/-0.013 χ^2/NDF : 8163926.2/80

- sign 134.376+/-0.018 χ^2/NDF : 4182363.7/39

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: 262.521 $\pm$ 55.873 χ^2 /NDF: 38.2/16

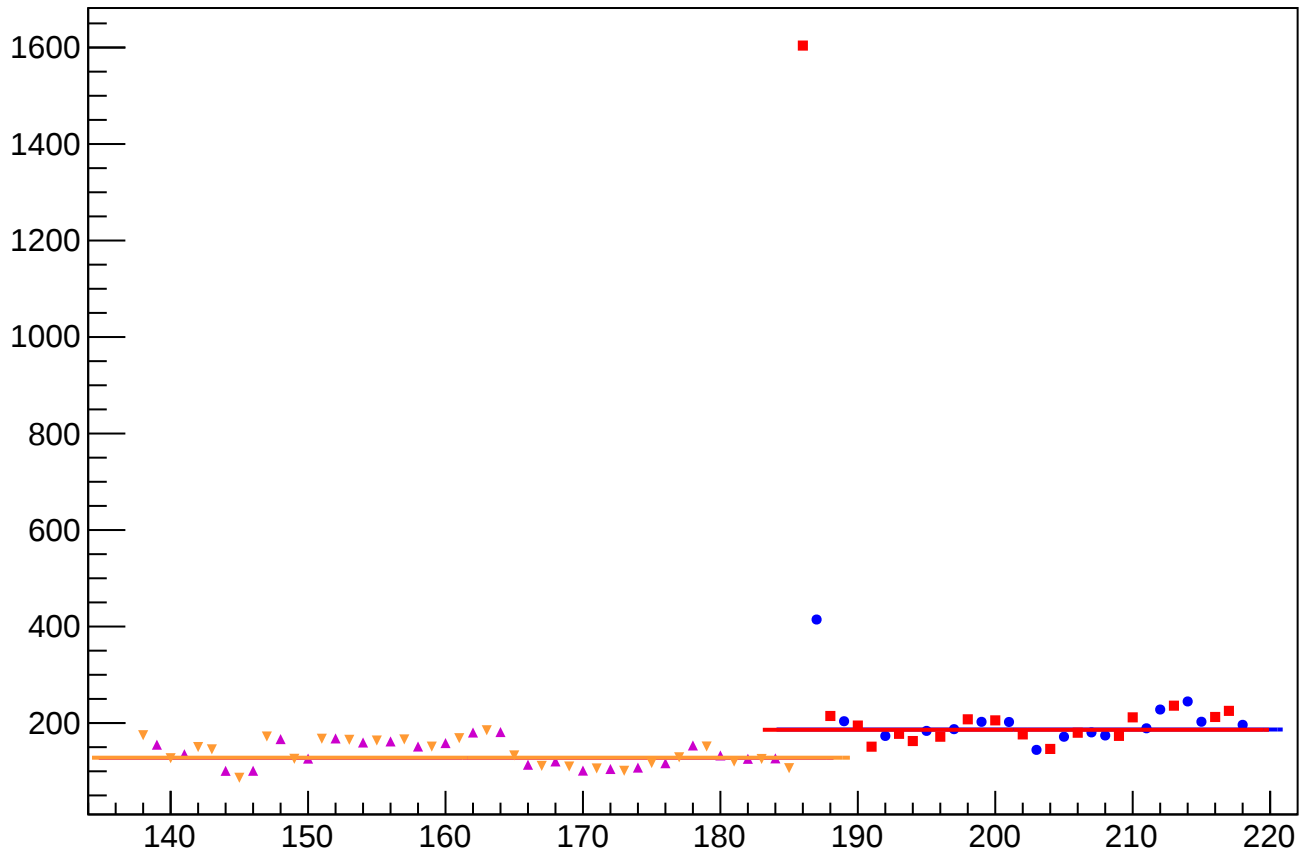
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 142.134 $\pm$ 26.803 χ^2 /NDF: 37.2/40

All: 109.562 $\pm$ 19.107 χ^2 /NDF: 123.2/80

- sign 75.902 $\pm$ 27.246 χ^2 /NDF: 83.0/39

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: 186.027 $\pm$ 0.040 χ^2 /NDF: 994046.0/16

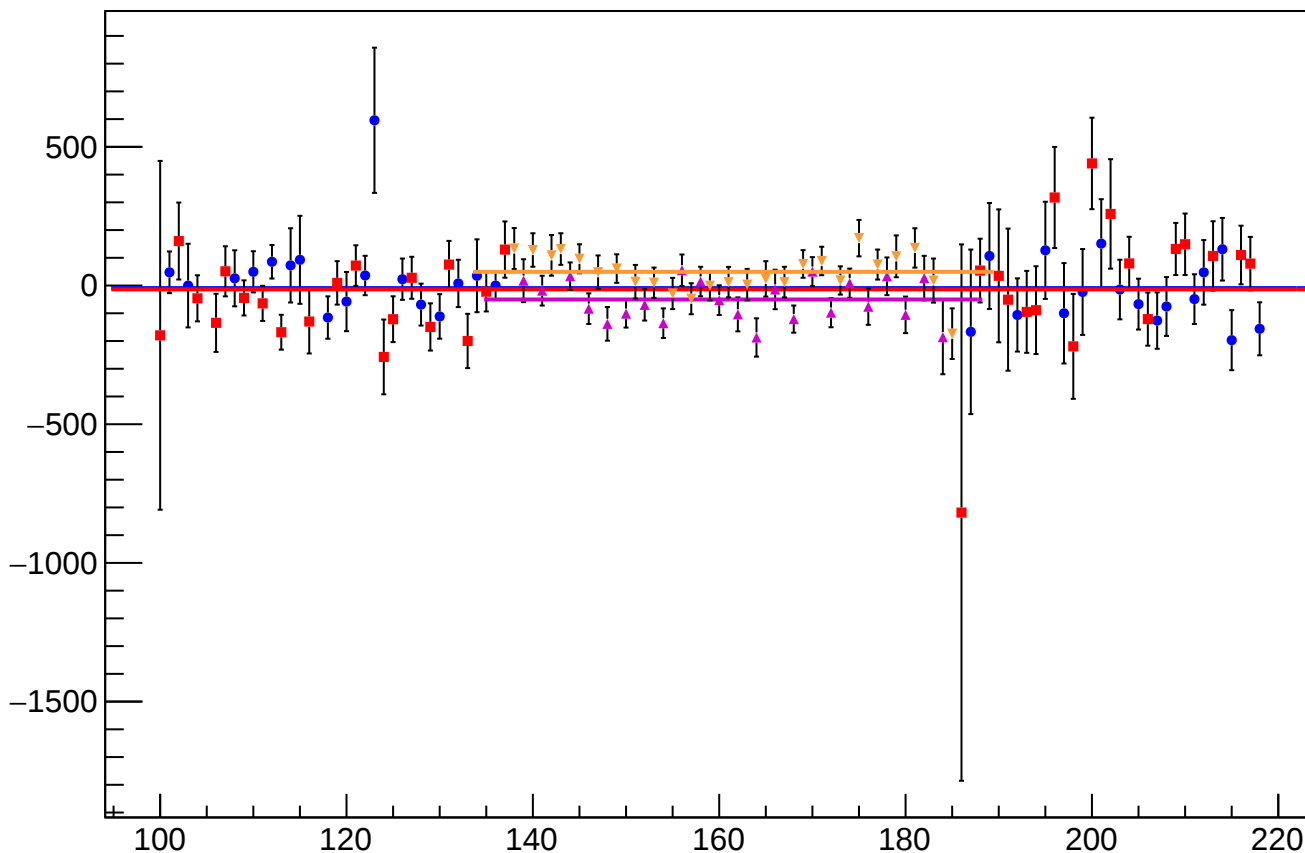
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 141.700 $\pm$ 0.019 χ^2 /NDF: 3656100.3/40

All: 141.578 $\pm$ 0.014 χ^2 /NDF: 7556093.8/80

- sign 141.451 $\pm$ 0.019 χ^2 /NDF: 3899908.3/39

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: -13.796 ± 16.597 χ^2/NDF : 53.1/35

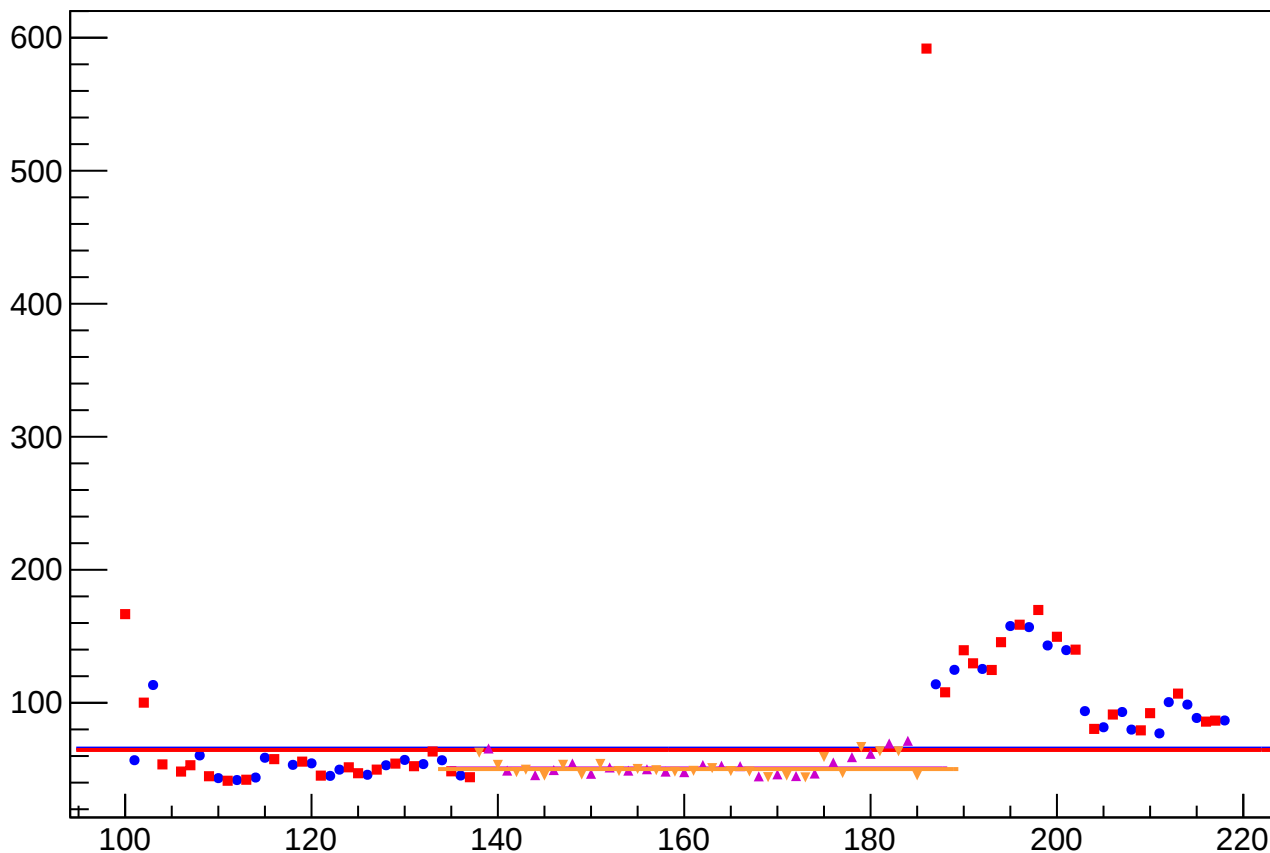
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 29.919 ± 9.653 χ^2/NDF : 63.9/57

All: -3.053 ± 6.897 χ^2/NDF : 176.2/116

- sign -37.442 ± 9.858 χ^2/NDF : 88.5/58

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: 64.560 $\pm$ 0.012 χ^2 /NDF: 6460048.8/35

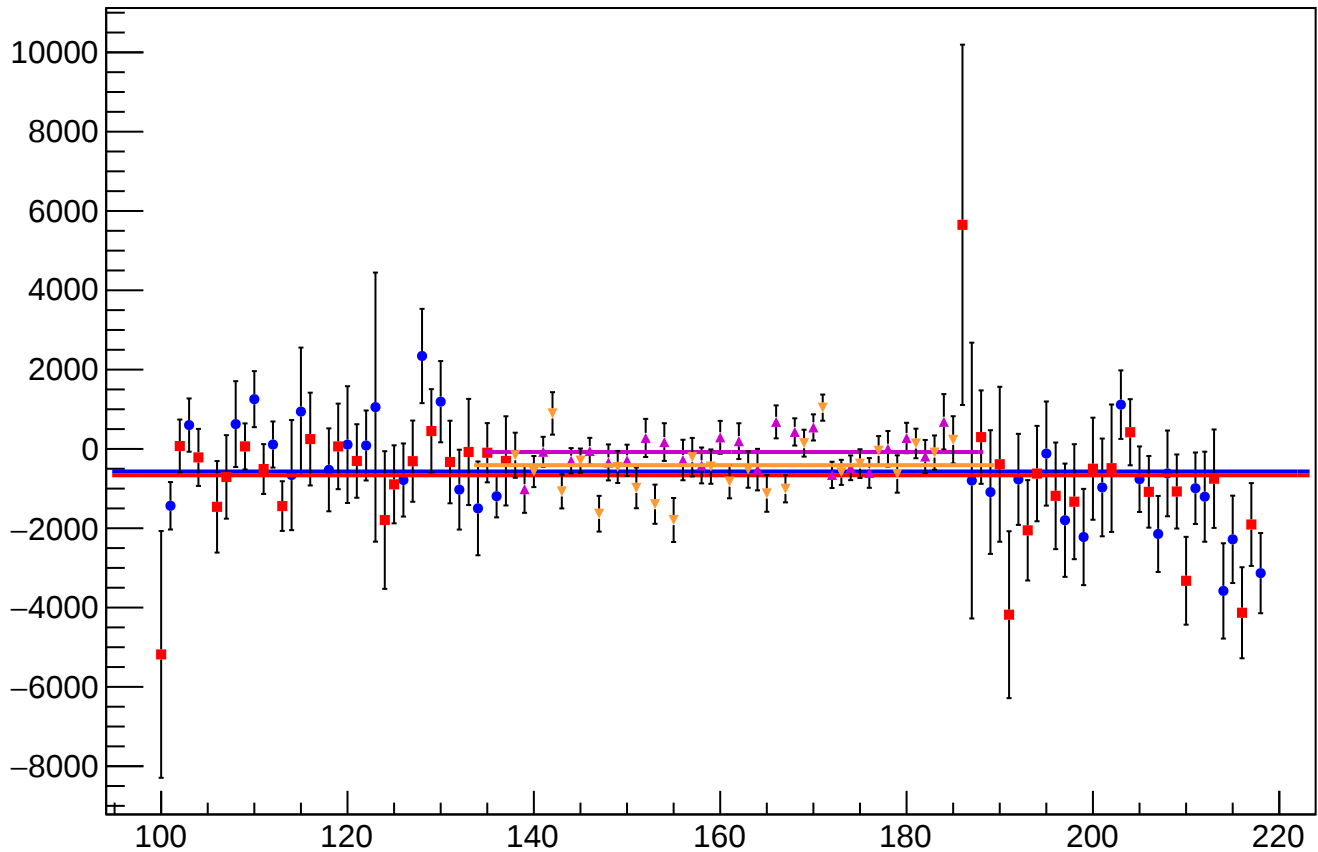
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 55.293 $\pm$ 0.007 χ^2 /NDF: 6815763.7/57

All: 55.433 $\pm$ 0.005 χ^2 /NDF: 14650872.9/116

- sign 55.579 $\pm$ 0.007 χ^2 /NDF: 7834250.2/58

asym_sam_1357_avg_correction_mean vs Slug



Right In: -568.777 $\pm$ 167.971 χ^2 /NDF: 52.6/32

Left Out: -409.164 $\pm$ 82.348 χ^2 /NDF: 61.7/24

Right Out: -664.974 $\pm$ 167.680 χ^2 /NDF: 36.7/35

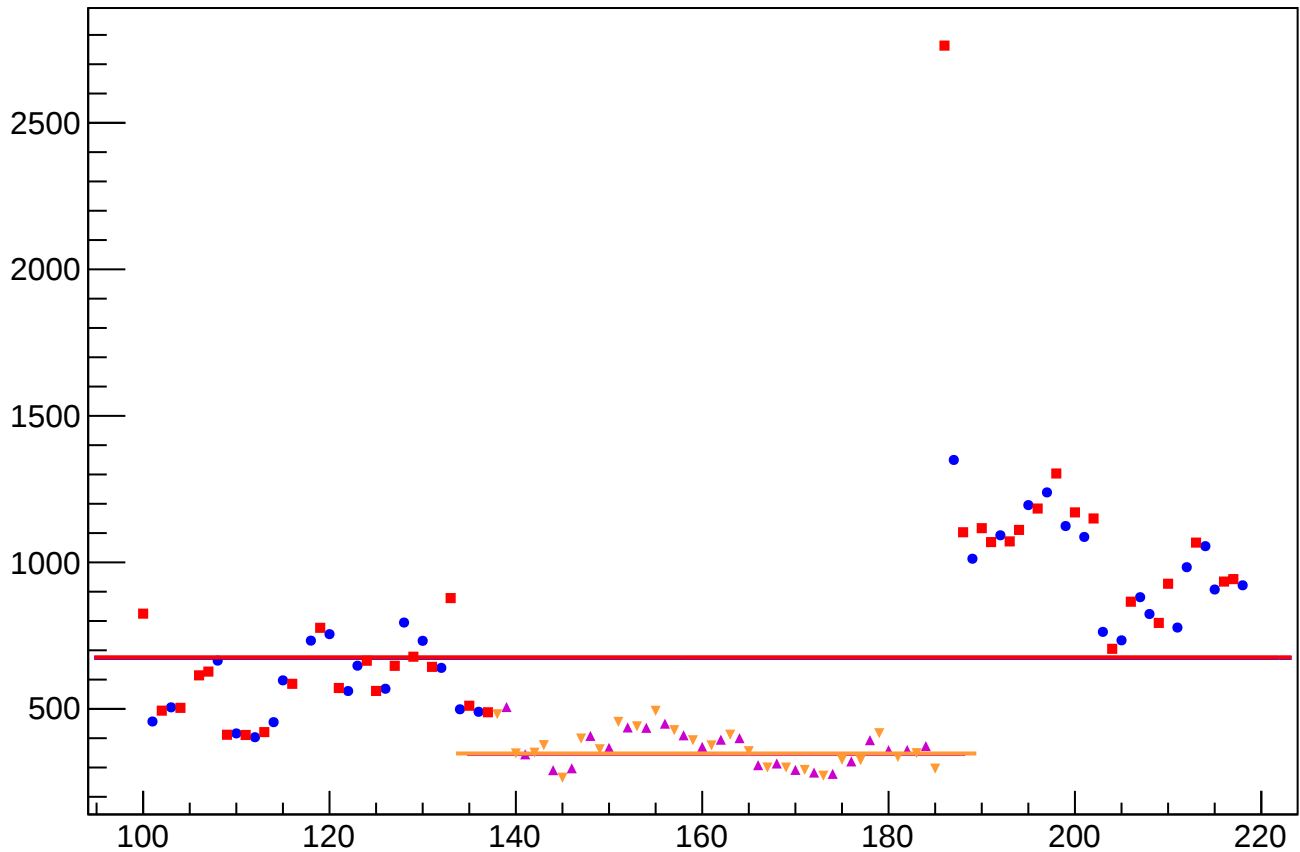
Left In: -77.872 $\pm$ 84.072 χ^2 /NDF: 24.8/22

+ sign -440.093 $\pm$ 73.941 χ^2 /NDF: 115.0/57

All: -319.942 $\pm$ 52.708 χ^2 /NDF: 191.7/116

- sign -195.813 $\pm$ 75.155 χ^2 /NDF: 71.3/58

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: 675.957 $\pm$ 0.119 χ^2 /NDF: 4764922.9/35

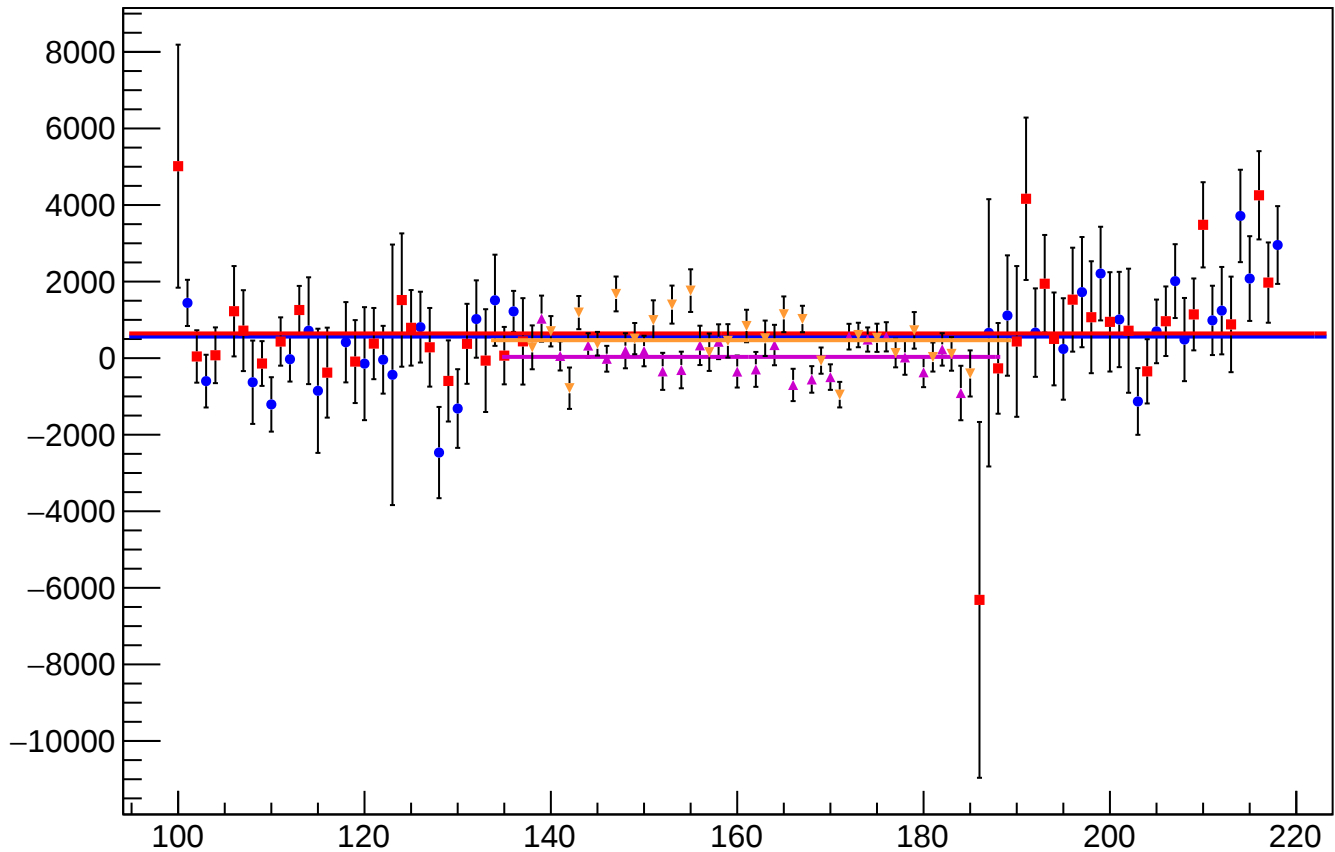
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF: 900847.0/22

+ sign 411.094 $\pm$ 0.052 χ^2 /NDF: 10966661.4/57

All: 411.661 $\pm$ 0.037 χ^2 /NDF: 22822941.5/11

- sign 412.247 $\pm$ 0.053 χ^2 /NDF: 11856041.0/58

asym_sam_1357_avg_mean vs Slug



Right In: 563.562 ± 169.120 χ^2/NDF : 50.9/32

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 645.551 ± 168.914 χ^2/NDF : 37.4/35

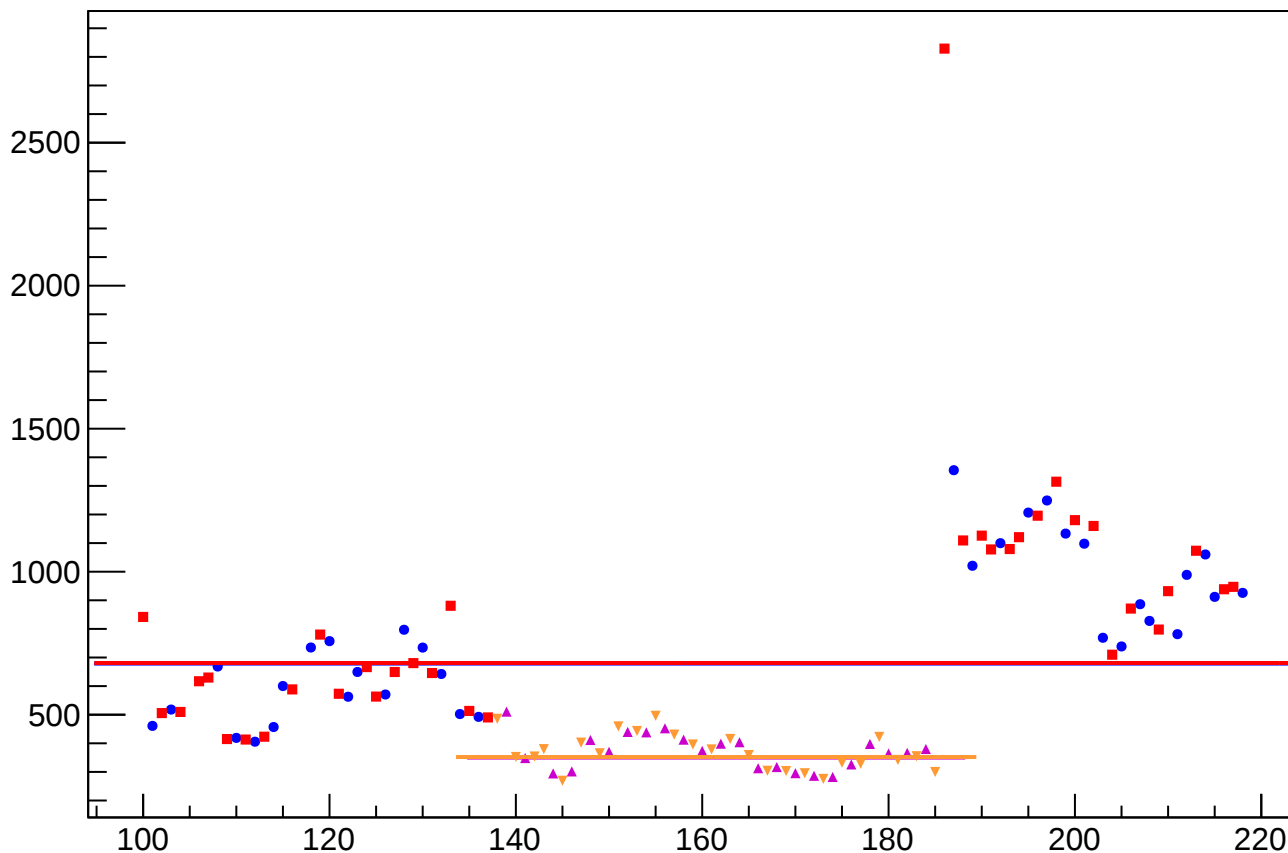
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 487.350 ± 74.724 χ^2/NDF : 108.6/57

All: 324.797 ± 53.274 χ^2/NDF : 191.8/116

- sign 156.760 ± 75.974 χ^2/NDF : 73.6/58

asym_sam_1357_avg_rms vs Slug



Right In: 678.864 $\pm$ 0.120 χ^2 /NDF: 3828015.2/32

Left Out: 352.015 $\pm$ 0.059 χ^2 /NDF: 1017195.6/24

Right Out: 680.785 $\pm$ 0.119 χ^2 /NDF: 4759520.5/35

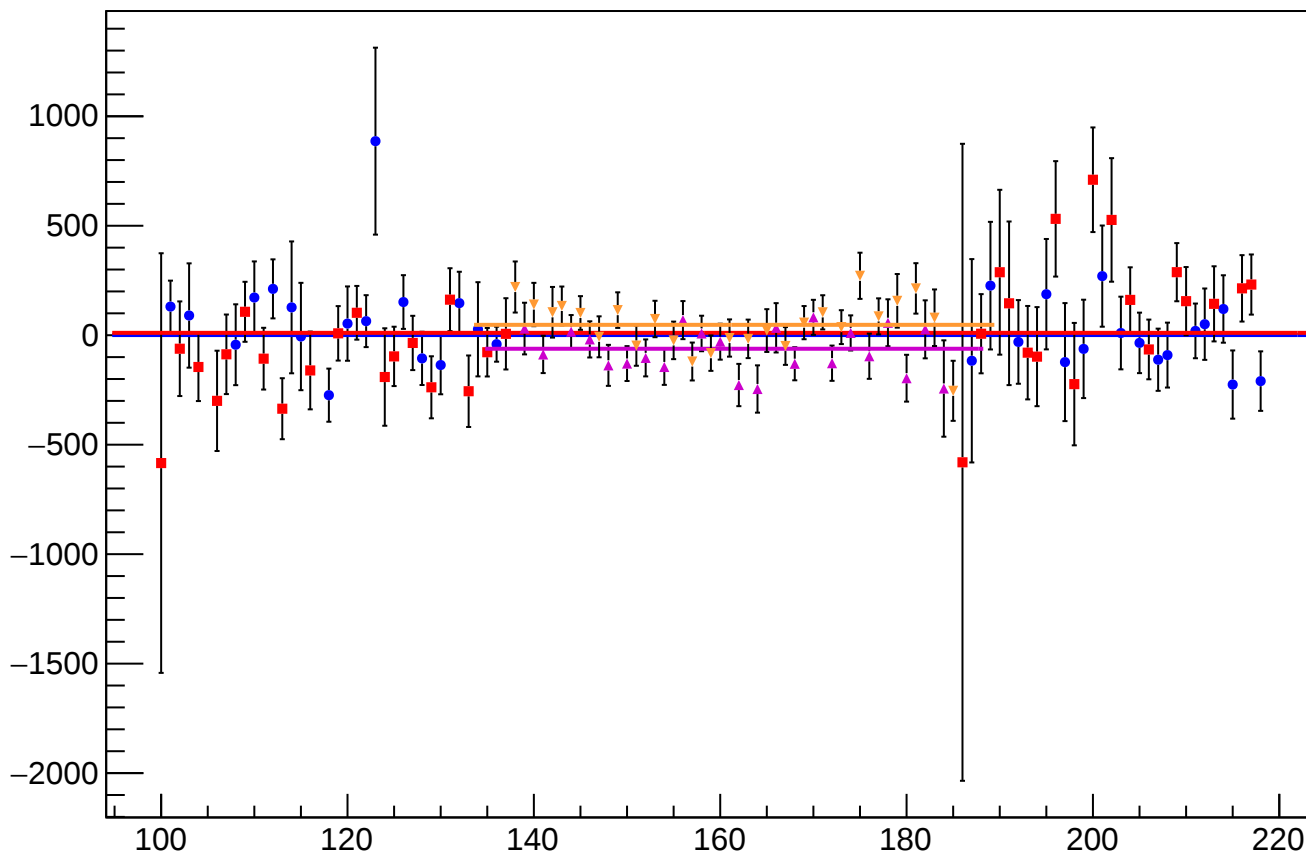
Left In: 350.160 $\pm$ 0.060 χ^2 /NDF: 878380.0/22

+ sign 415.823 $\pm$ 0.053 χ^2 /NDF: 10857104.1/57

All: 416.424 $\pm$ 0.038 χ^2 /NDF: 22607622.3/1

- sign 417.046 $\pm$ 0.054 χ^2 /NDF: 11750254.8/58

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: 10.836 ± 27.767 χ^2/NDF : 50.9/35

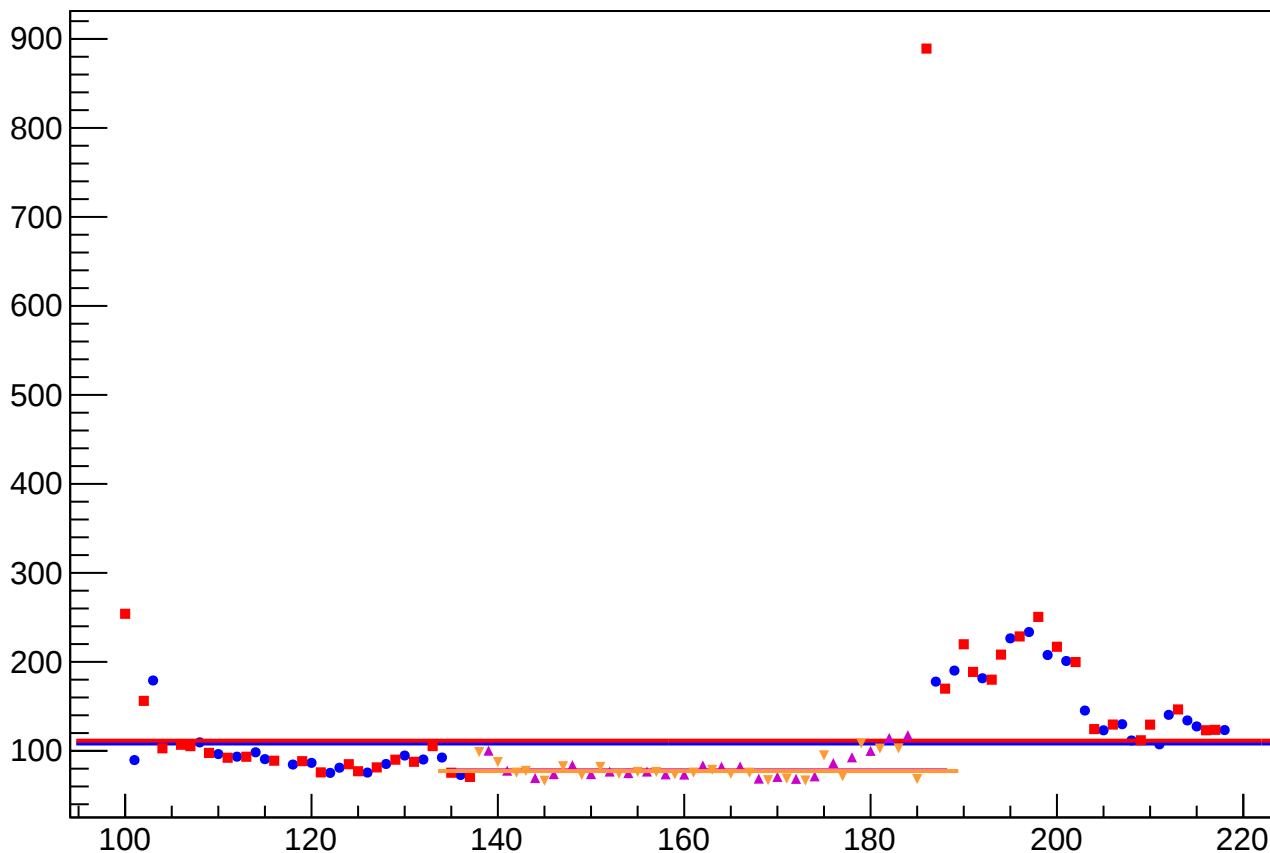
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 32.802 ± 15.127 χ^2/NDF : 60.2/57

All: -1.733 ± 10.879 χ^2/NDF : 150.5/116

- sign -38.726 ± 15.657 χ^2/NDF : 79.5/58

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: 111.441+/-0.020 χ^2/NDF : 4481142.1/35

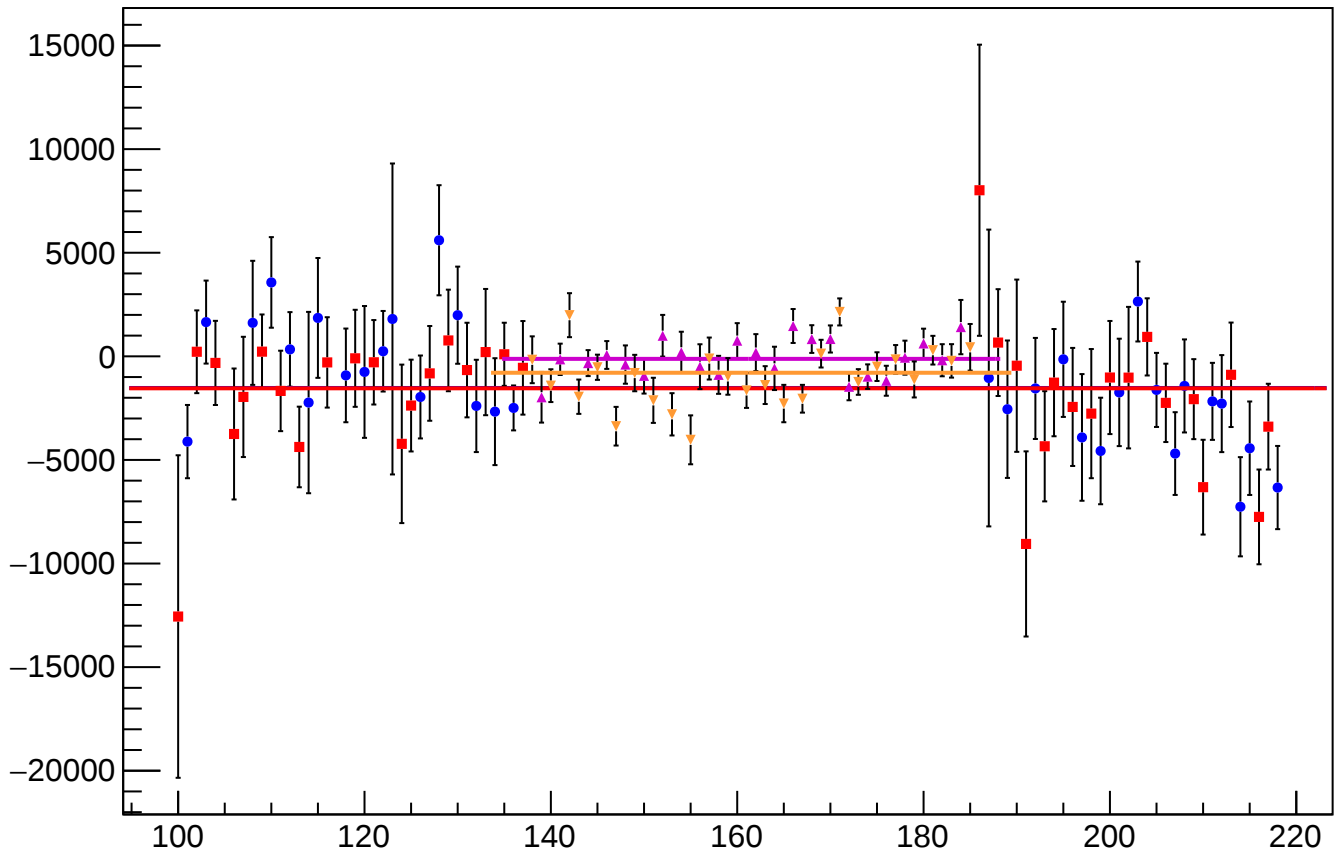
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 87.015+/-0.011 χ^2/NDF : 6093948.1/57

All: 87.842+/-0.008 χ^2/NDF : 13131832.1/116

- sign 88.727+/-0.011 χ^2/NDF : 7025519.0/58

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1527.508 $\pm$ 387.475 χ^2 /NDF: 48.4/32

Left Out: -792.776 $\pm$ 162.659 χ^2 /NDF: 66.6/24

Right Out: -1543.453 $\pm$ 395.783 χ^2 /NDF: 32.8/35

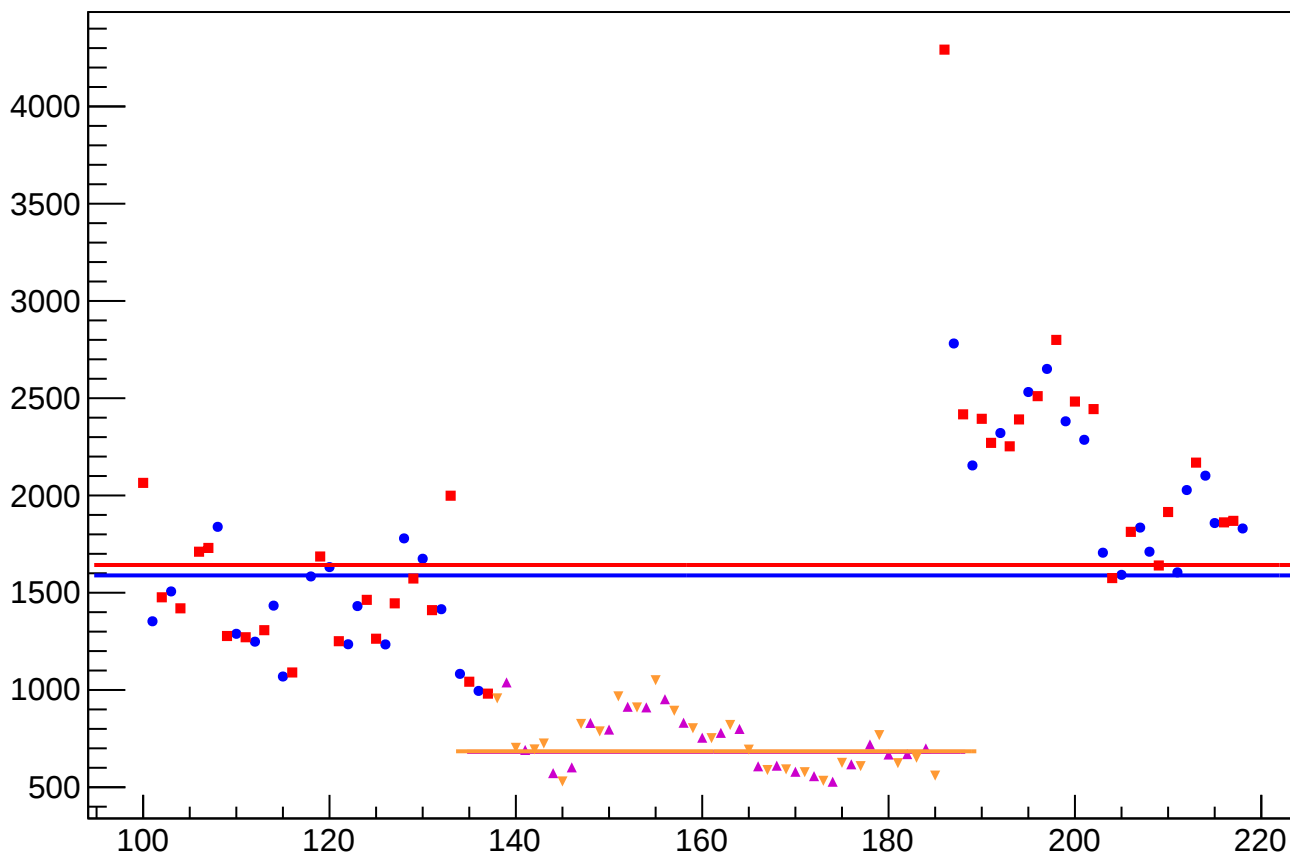
Left In: -122.198 $\pm$ 166.193 χ^2 /NDF: 25.9/22

+ sign -902.855 $\pm$ 149.980 χ^2 /NDF: 118.0/57

All: -625.134 $\pm$ 107.183 χ^2 /NDF: 194.7/116

- sign -335.236 $\pm$ 153.232 χ^2 /NDF: 69.7/58

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 $\chi^2/\text{NDF}: 1280146.2/24$

Right Out: 1642.575 ± 0.280 $\chi^2/\text{NDF}: 2854628.7/35$

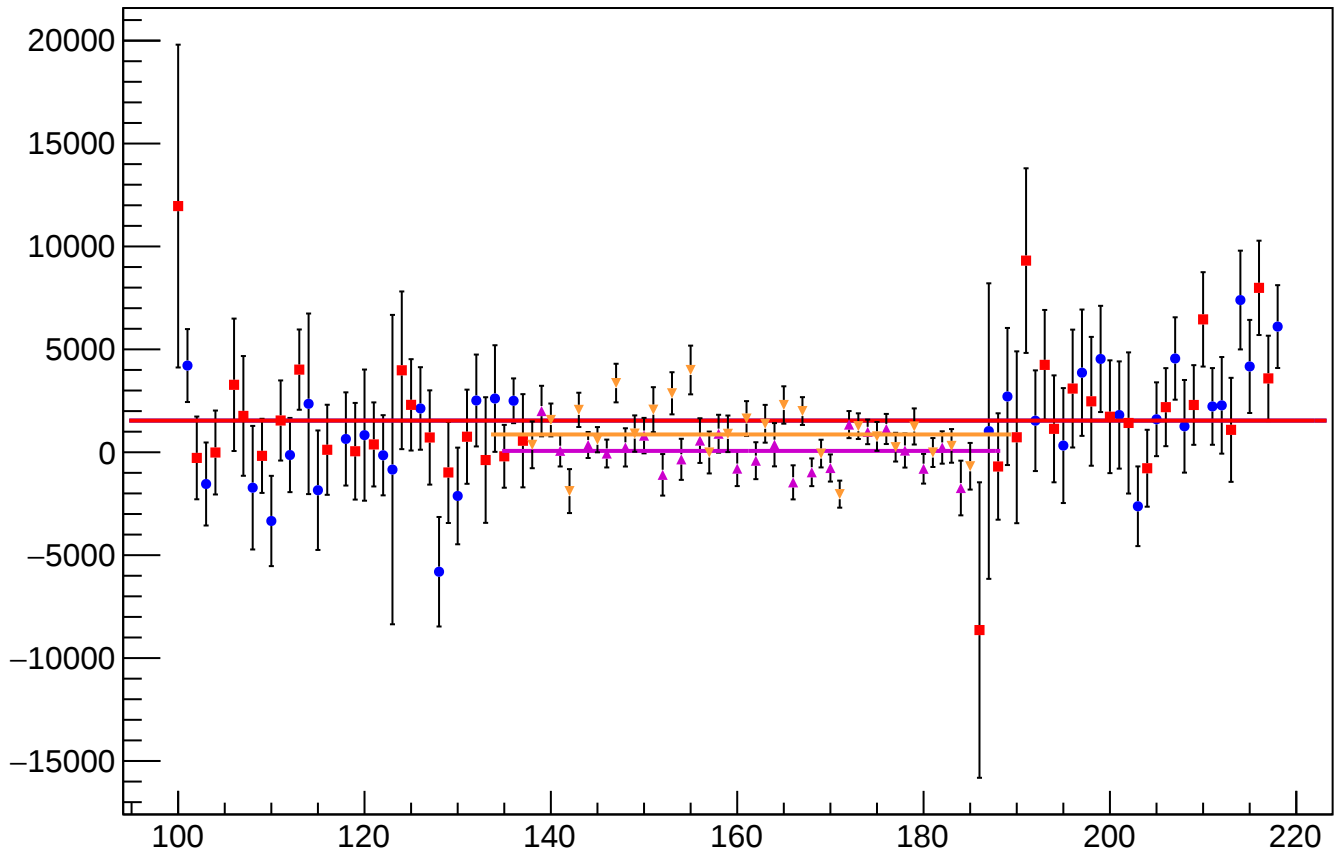
Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

+ sign 820.258 ± 0.106 $\chi^2/\text{NDF}: 12964564.1/57$

All: 822.940 ± 0.076 $\chi^2/\text{NDF}: 26961129.3/119$

- sign 825.740 ± 0.108 $\chi^2/\text{NDF}: 13995257.7/58$

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: 1538.812 $\pm$ 397.087 χ^2 /NDF: 33.4/35

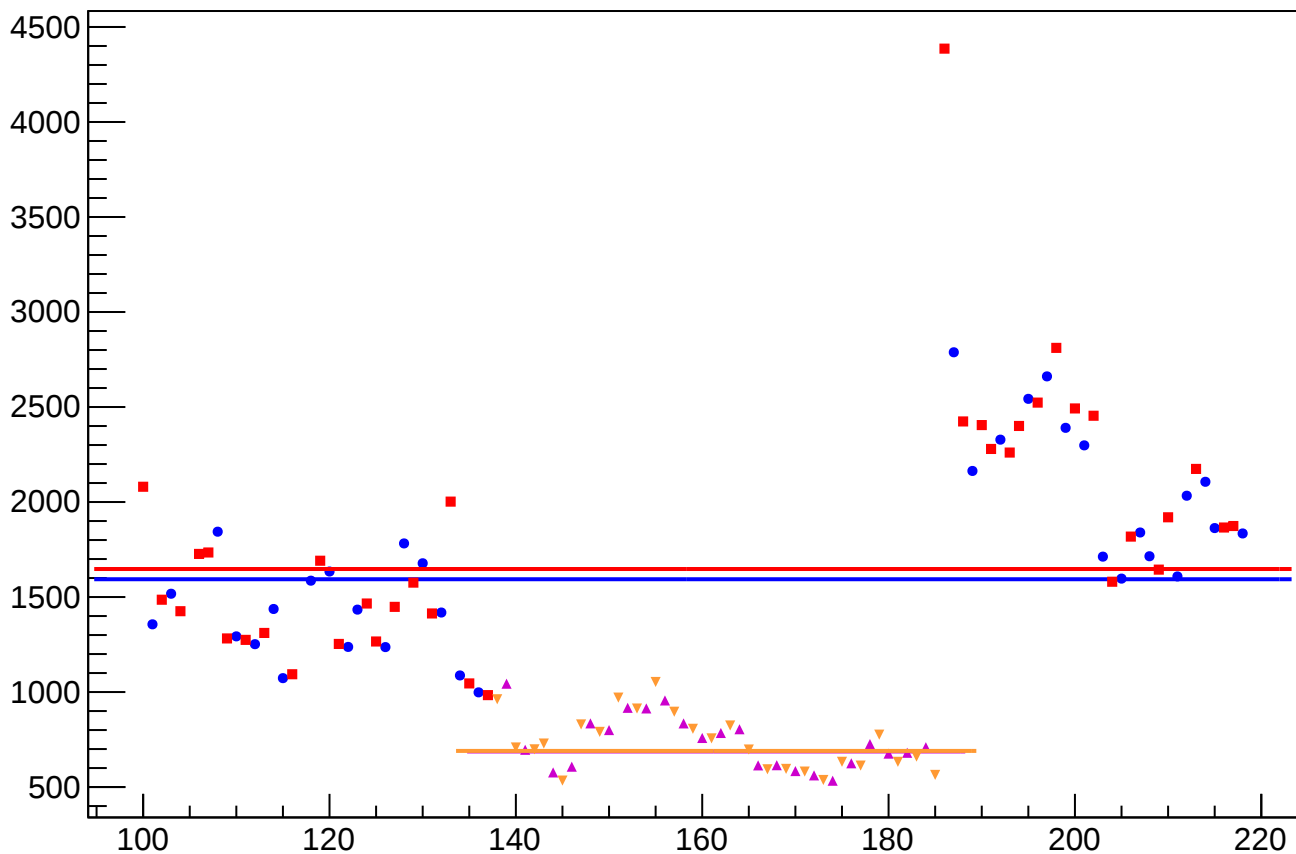
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF: 26.4/22

+ sign 967.395 $\pm$ 151.007 χ^2 /NDF: 112.6/57

All: 635.252 $\pm$ 107.930 χ^2 /NDF: 194.0/116

- sign 288.378 $\pm$ 154.319 χ^2 /NDF: 71.5/58

asym_sam_2468_avg_rms vs Slug



Right In: 1593.634 $\pm$ 0.275 χ^2 /NDF: 2427650.4/32

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF: 1258158.2/24

Right Out: 1647.478 $\pm$ 0.281 χ^2 /NDF: 2866187.4/35

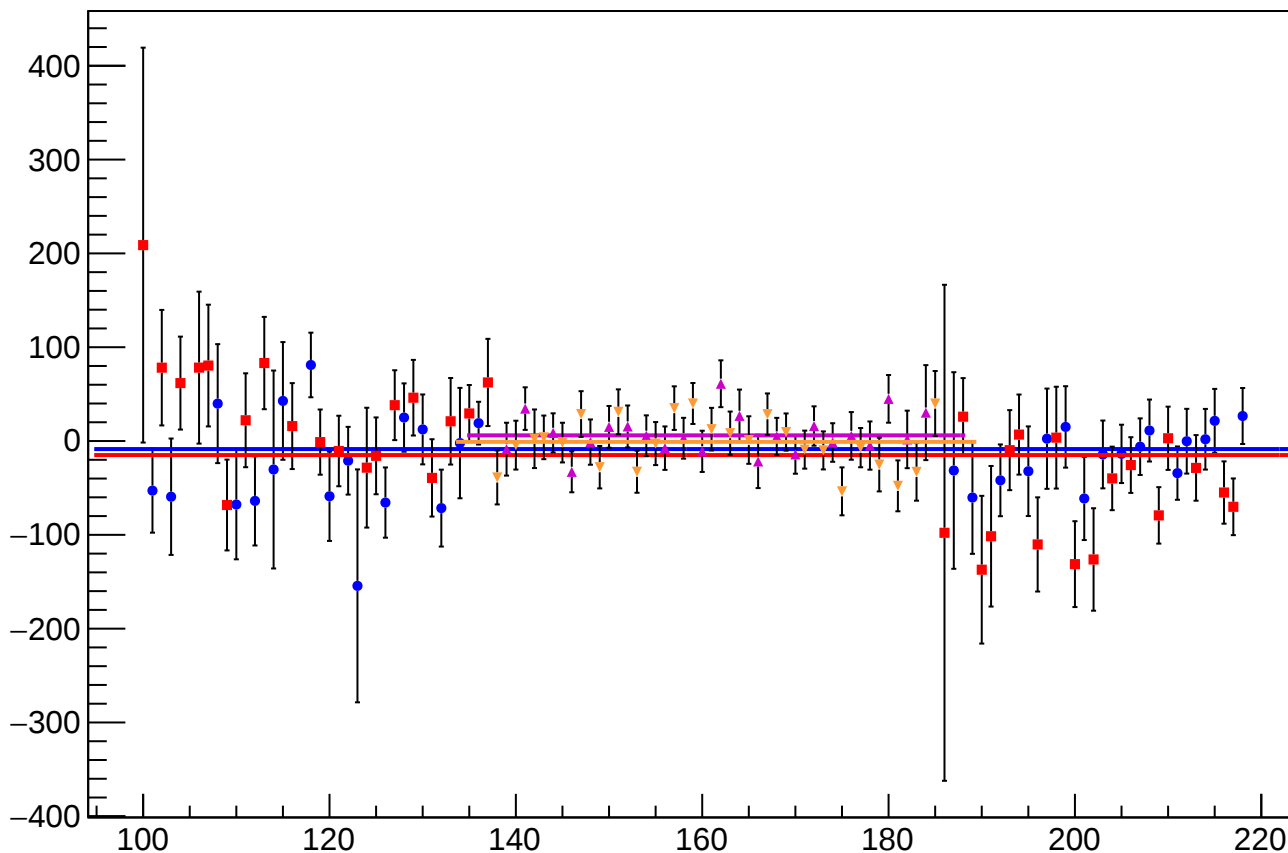
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF: 1099706.1/22

+ sign 826.580 $\pm$ 0.107 χ^2 /NDF: 12863213.4/57

All: 829.352 $\pm$ 0.076 χ^2 /NDF: 26760029.8/1

- sign 832.247 $\pm$ 0.109 χ^2 /NDF: 13895438.5/58

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -8.568 ± 6.914 $\chi^2/\text{NDF}: 29.1/32$

Left Out: -0.861 ± 4.760 $\chi^2/\text{NDF}: 27.9/24$

Right Out: -14.960 ± 7.156 $\chi^2/\text{NDF}: 55.8/35$

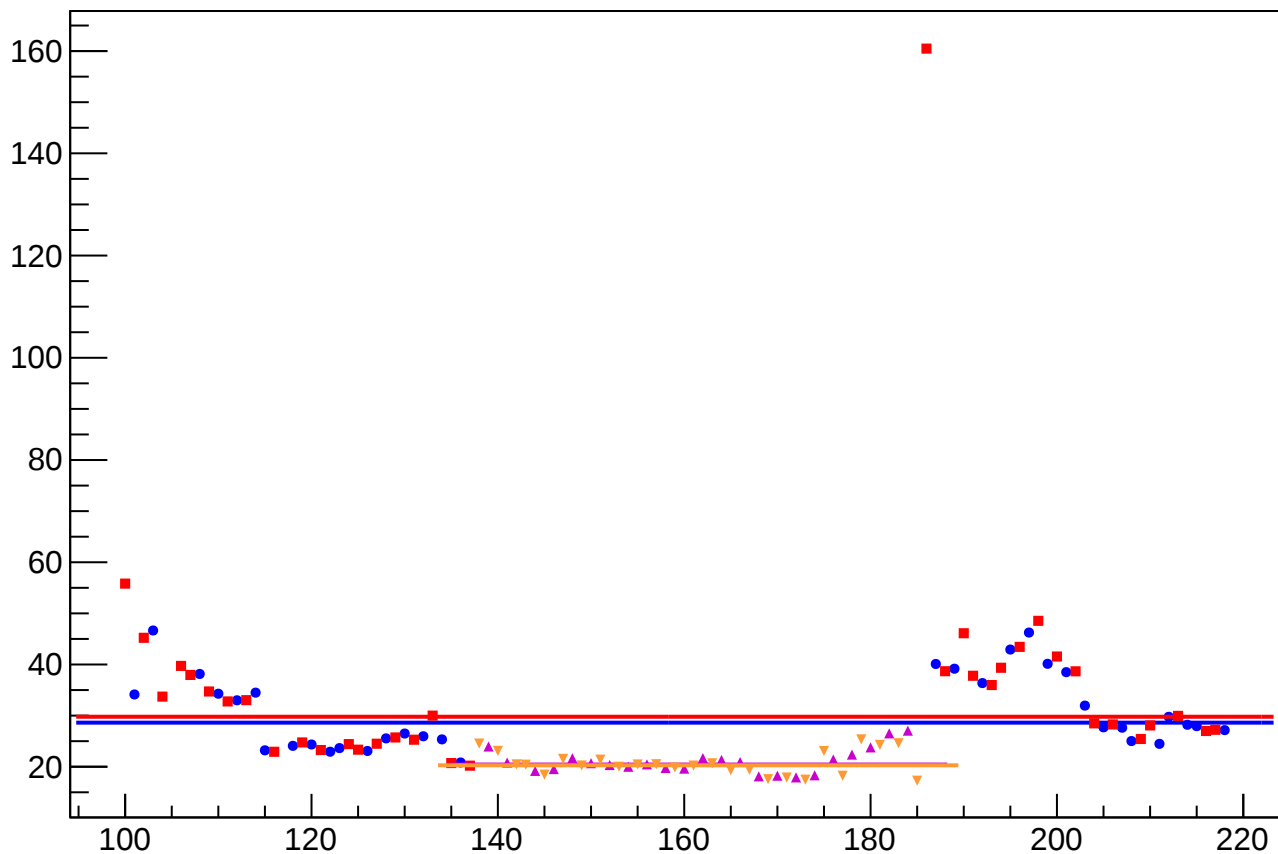
Left In: 6.042 ± 4.925 $\chi^2/\text{NDF}: 16.9/22$

+ sign -3.340 ± 3.921 $\chi^2/\text{NDF}: 57.9/57$

All: -2.069 ± 2.819 $\chi^2/\text{NDF}: 136.7/116$

- sign -0.709 ± 4.057 $\chi^2/\text{NDF}: 78.6/58$

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.625+/-0.005 χ^2/NDF : 1618800.8/32

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 29.779+/-0.005 χ^2/NDF : 2316724.0/35

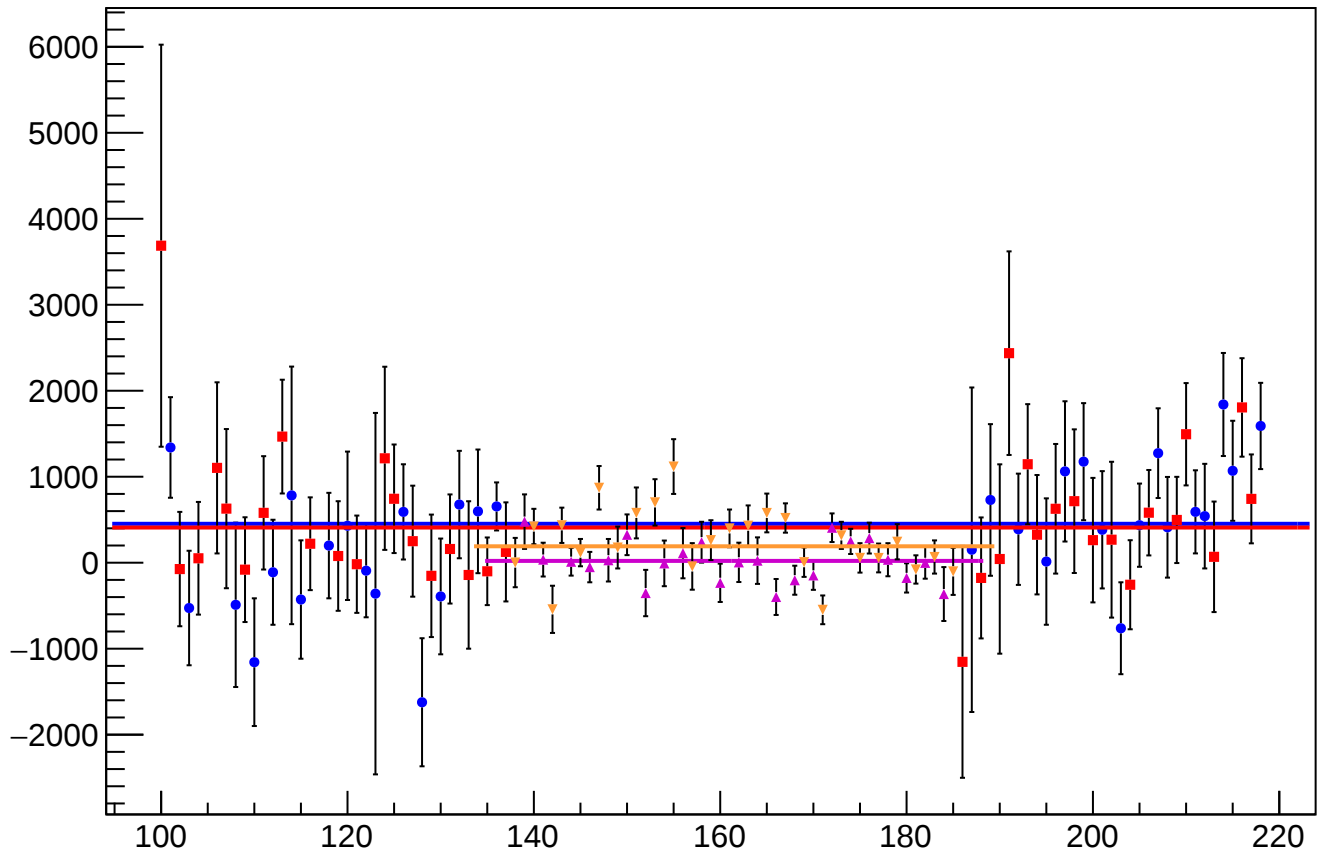
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 22.963+/-0.003 χ^2/NDF : 4003002.2/57

All: 23.189+/-0.002 χ^2/NDF : 8976289.3/116

- sign 23.431+/-0.003 χ^2/NDF : 4959557.4/58

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: 409.044 $\pm$ 109.979 χ^2 /NDF: 29.8/35

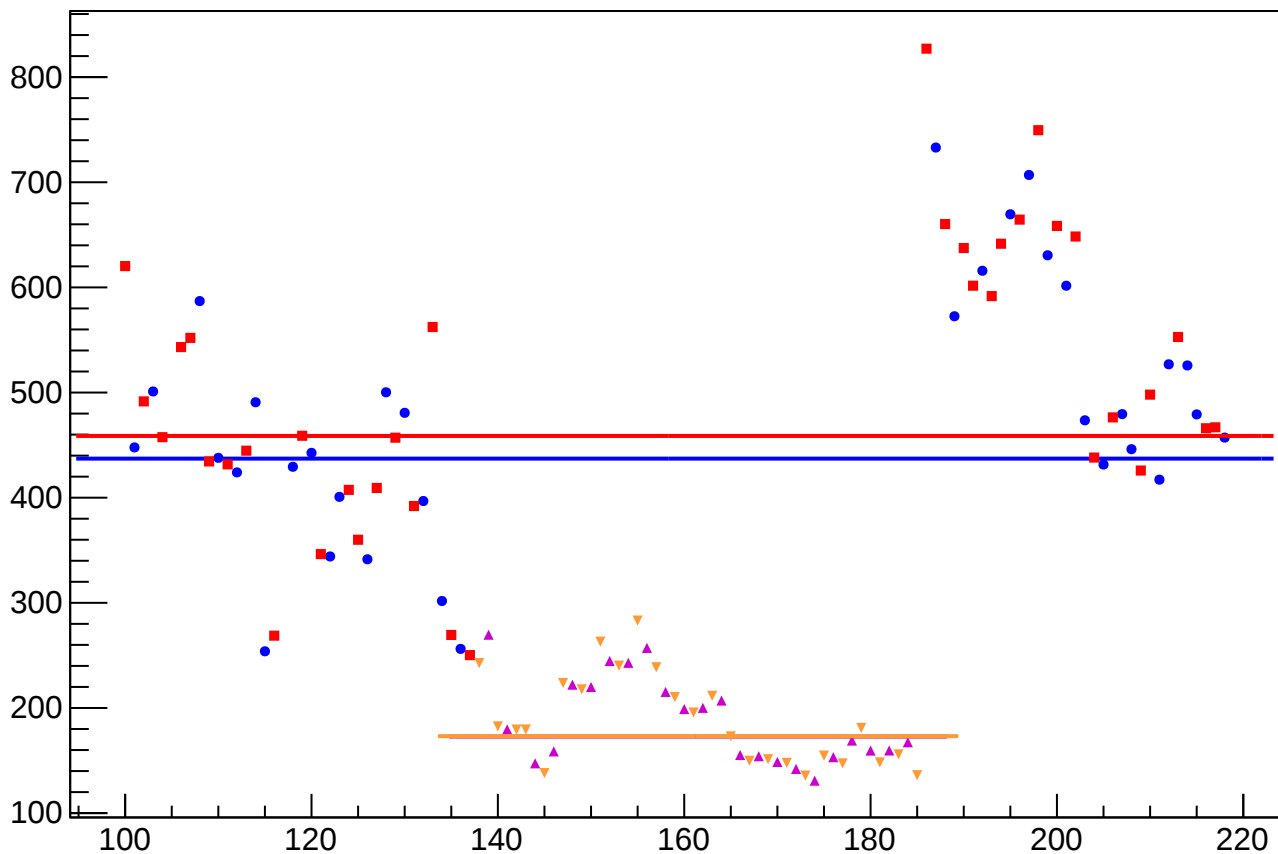
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF:27.7/22

+ sign 225.117 $\pm$ 38.516 χ^2 /NDF: 118.8/57

All: 149.942 $\pm$ 27.567 χ^2 /NDF: 195.0/116

- sign 70.986 $\pm$ 39.473 χ^2 /NDF: 68.4/58

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 437.160 $\pm$ 0.075 χ^2 /NDF: 2346838.2/32

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF:1561250.6/24

Right Out: 458.713 $\pm$ 0.078 χ^2 /NDF: 2529250.9/35

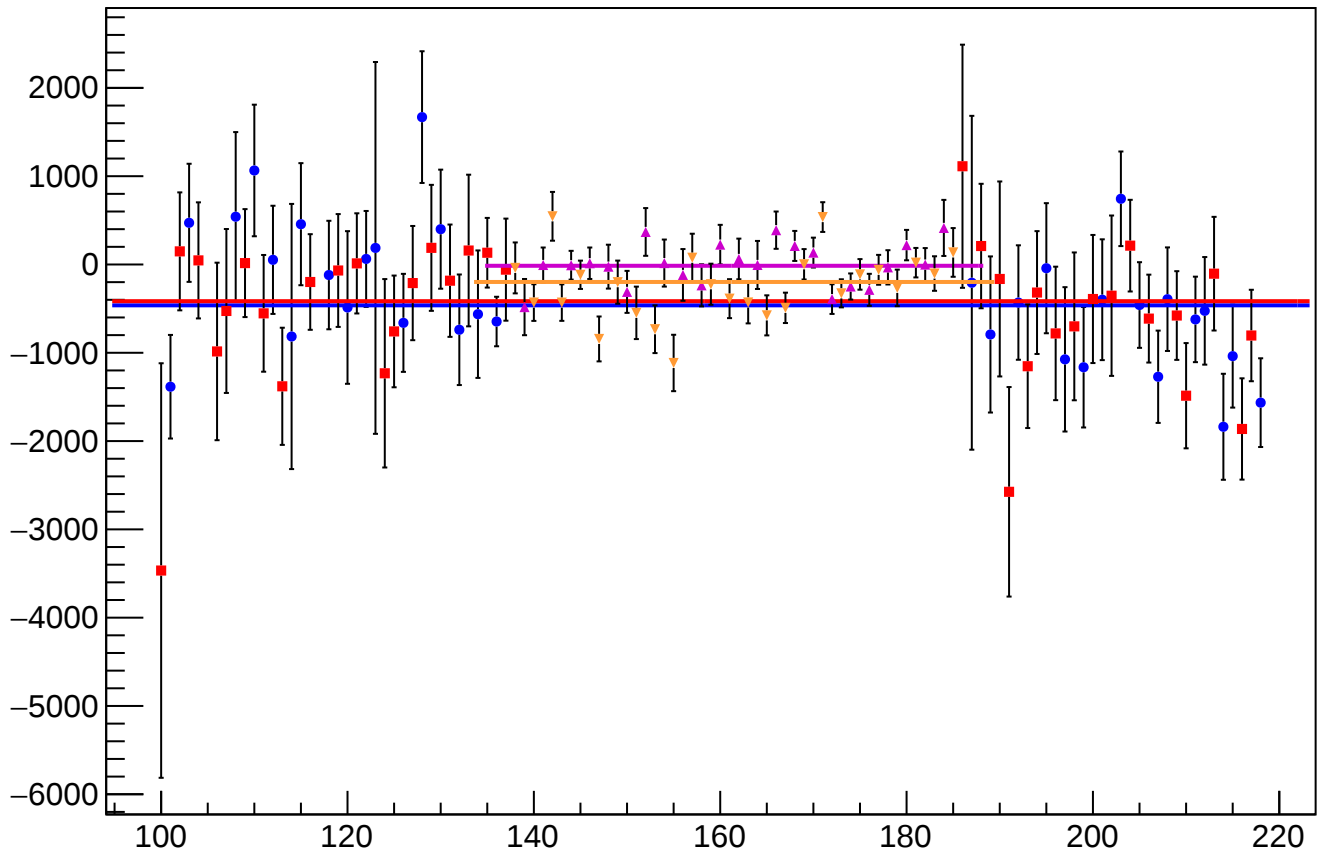
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF:1372131.7/22

+ sign 207.749 $\pm$ 0.027 χ^2 /NDF: 14590435.3/57

All: 208.679 $\pm$ 0.019 χ^2 /NDF: 30267632.9/1

- sign 209.655 $\pm$ 0.028 χ^2 /NDF: 15674807.6/58

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: -415.512 ± 110.270 χ^2/NDF : 30.5/35

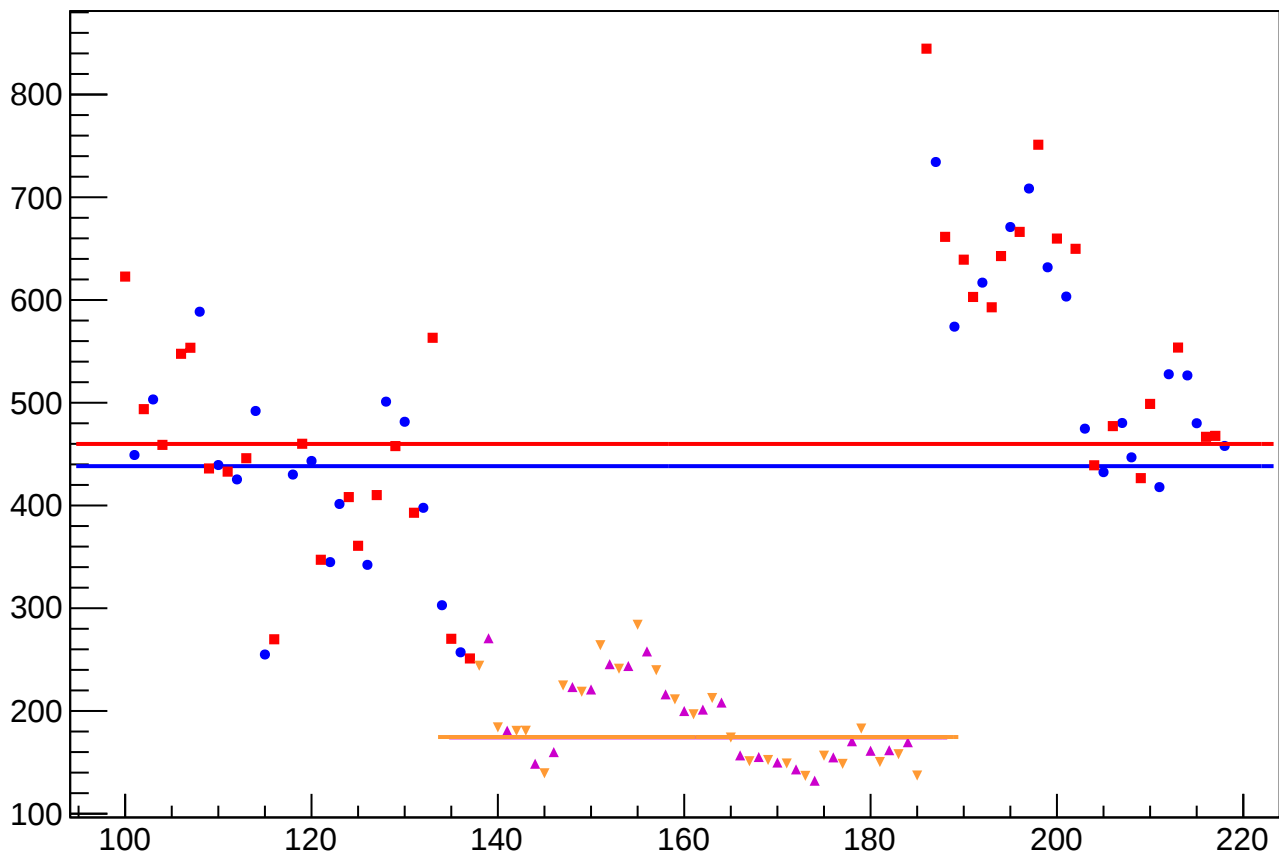
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -232.874 ± 38.791 χ^2/NDF : 114.5/57

All: -151.860 ± 27.766 χ^2/NDF : 193.2/116

- sign -66.741 ± 39.762 χ^2/NDF : 69.7/58

asym_sam_1357_2468_dd_rms vs Slug



Right In: 438.291 $\pm$ 0.075 χ^2 /NDF: 2339080.5/32

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF:1531999.5/24

Right Out: 459.897 $\pm$ 0.078 χ^2 /NDF: 2531651.0/35

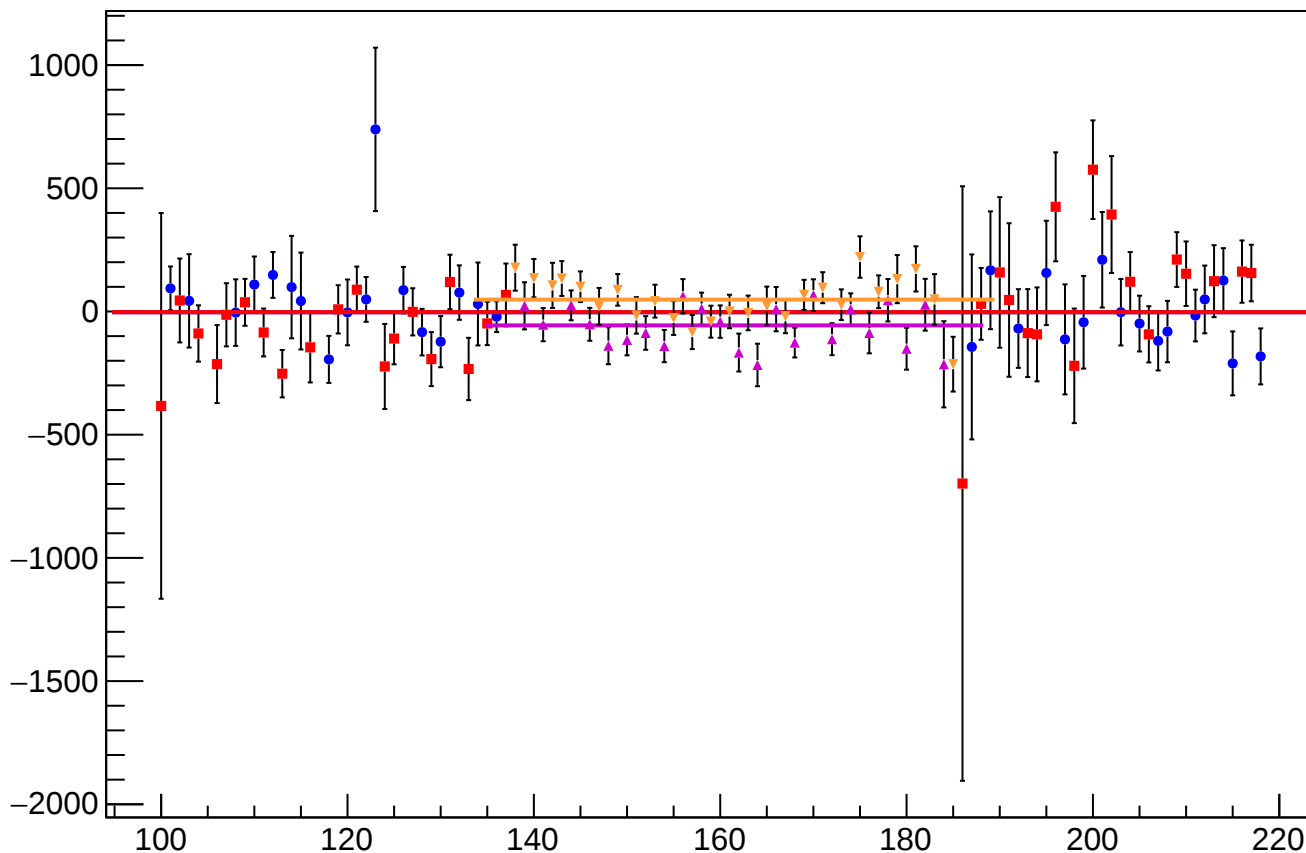
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF:1344779.5/22

+ sign 209.469 $\pm$ 0.027 χ^2 /NDF: 14461391.3/57

All: 210.422 $\pm$ 0.020 χ^2 /NDF: 30012928.1/11

- sign 211.423 $\pm$ 0.028 χ^2 /NDF: 15549061.6/58

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: -2.588 ± 21.632 χ^2/NDF : 51.1/35

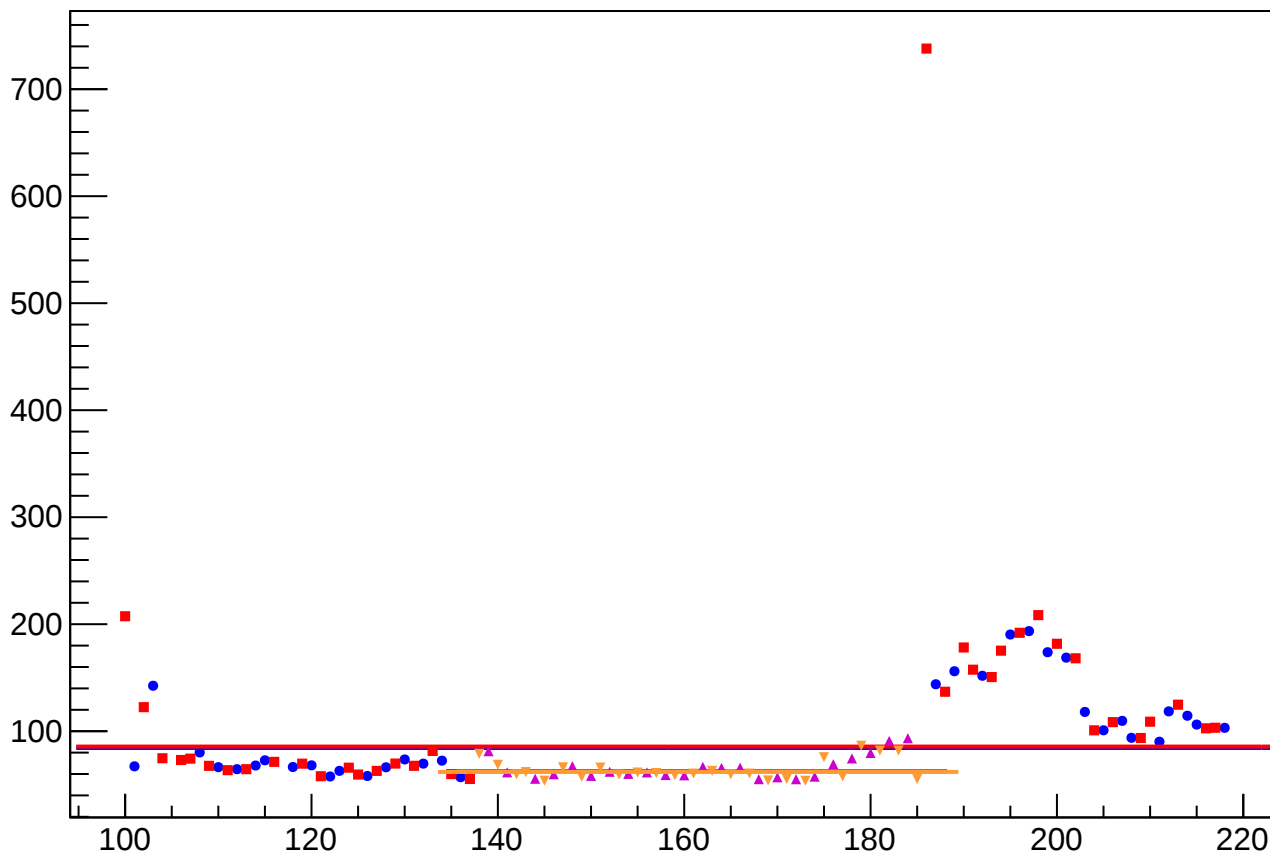
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 31.748 ± 12.051 χ^2/NDF : 61.9/57

All: -2.368 ± 8.651 χ^2/NDF : 161.2/116

- sign -38.644 ± 12.427 χ^2/NDF : 82.7/58

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: 85.645+/-0.015 χ^2/NDF : 5317799.9/35

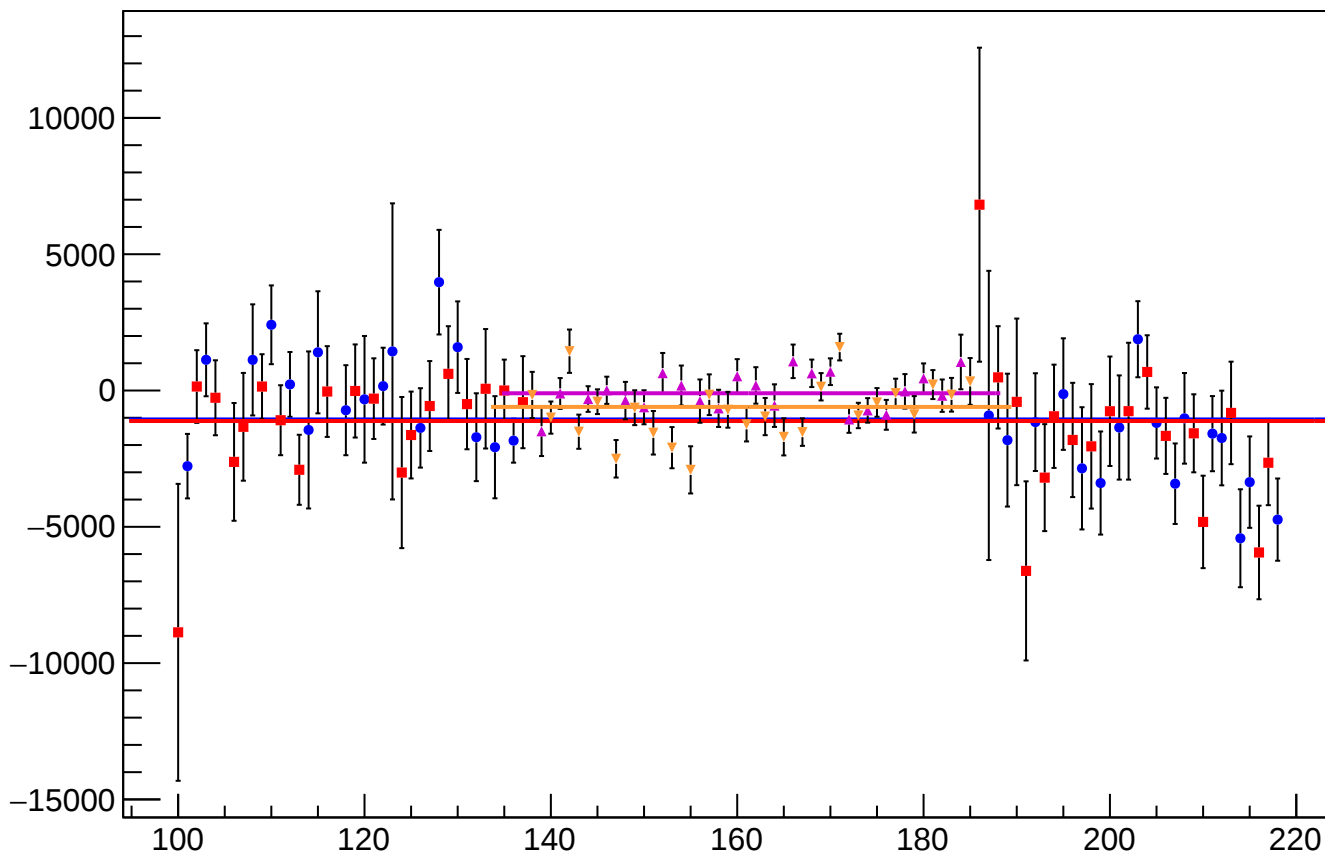
Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

+ sign 69.117+/-0.009 χ^2/NDF : 6502907.7/57

All: 69.647+/-0.006 χ^2/NDF : 13924000.6/116

- sign 70.210+/-0.009 χ^2/NDF : 7413122.2/58

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -1061.209 ± 279.484 $\chi^2/\text{NDF}: 49.5/32$

Left Out: -601.486 ± 122.119 $\chi^2/\text{NDF}: 65.4/24$

Right Out: -1118.371 ± 283.789 $\chi^2/\text{NDF}: 33.9/35$

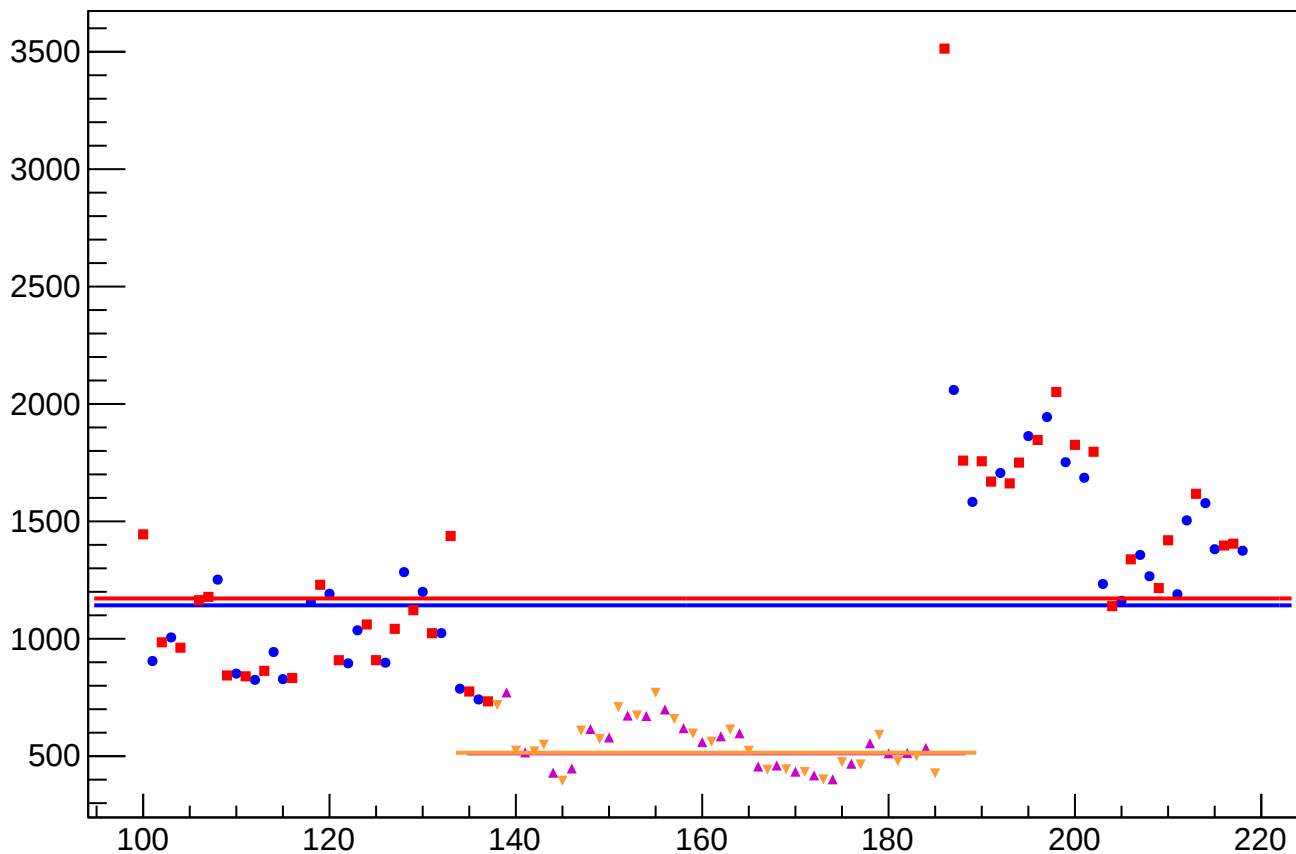
Left In: -100.548 ± 124.725 $\chi^2/\text{NDF}: 25.5/22$

+ sign -675.185 ± 111.903 $\chi^2/\text{NDF}: 117.2/57$

All: -474.388 ± 79.921 $\chi^2/\text{NDF}: 193.9/116$

- sign -265.322 ± 114.184 $\chi^2/\text{NDF}: 70.1/58$

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: 1171.675 $\pm$ 0.201 χ^2 /NDF: 3200665.9/35

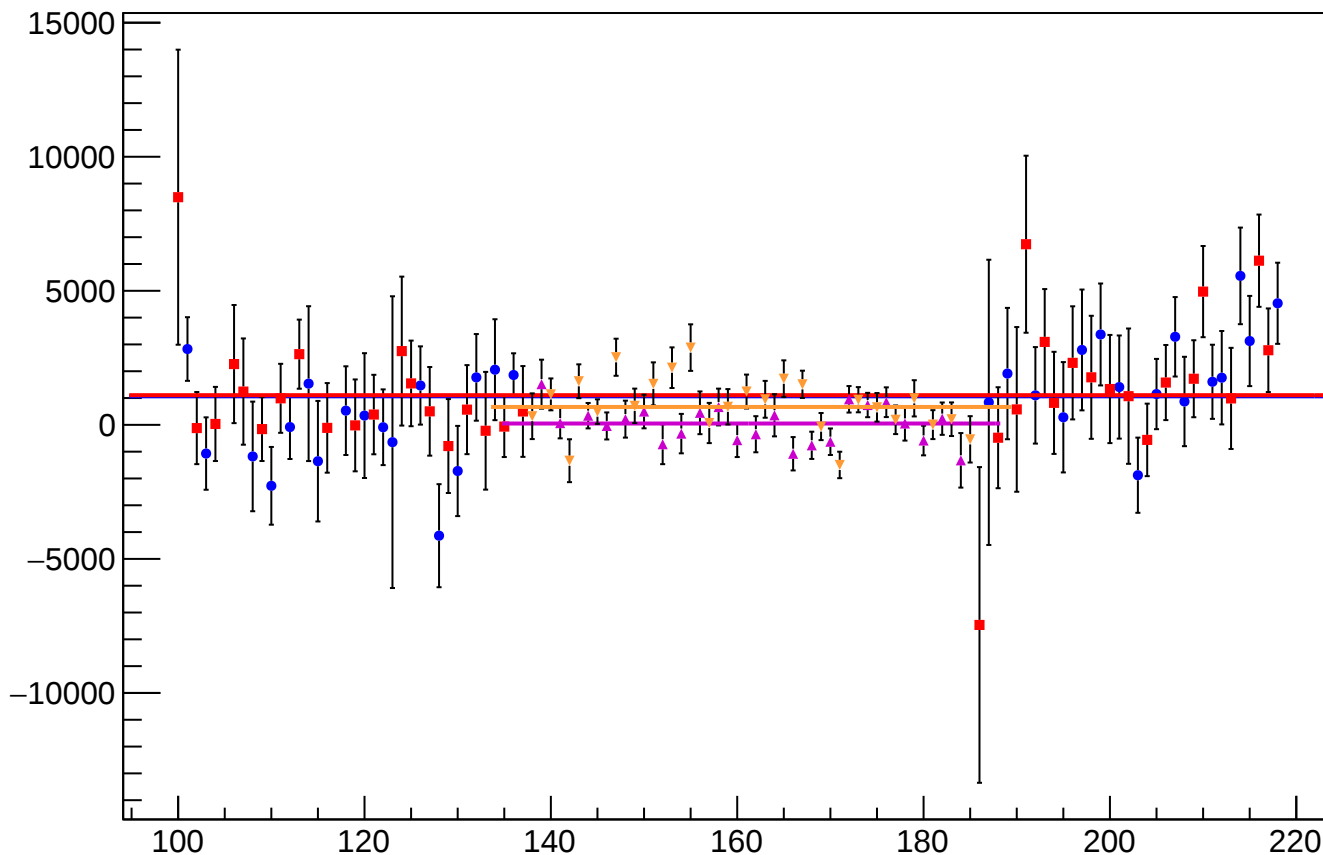
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 615.379 $\pm$ 0.079 χ^2 /NDF: 12306591.3/57

All: 617.134 $\pm$ 0.057 χ^2 /NDF: 25601445.9/1

- sign 618.961 $\pm$ 0.081 χ^2 /NDF: 13293850.8/58

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: 1106.704 $\pm$ 284.931 χ^2 /NDF: 34.5/35

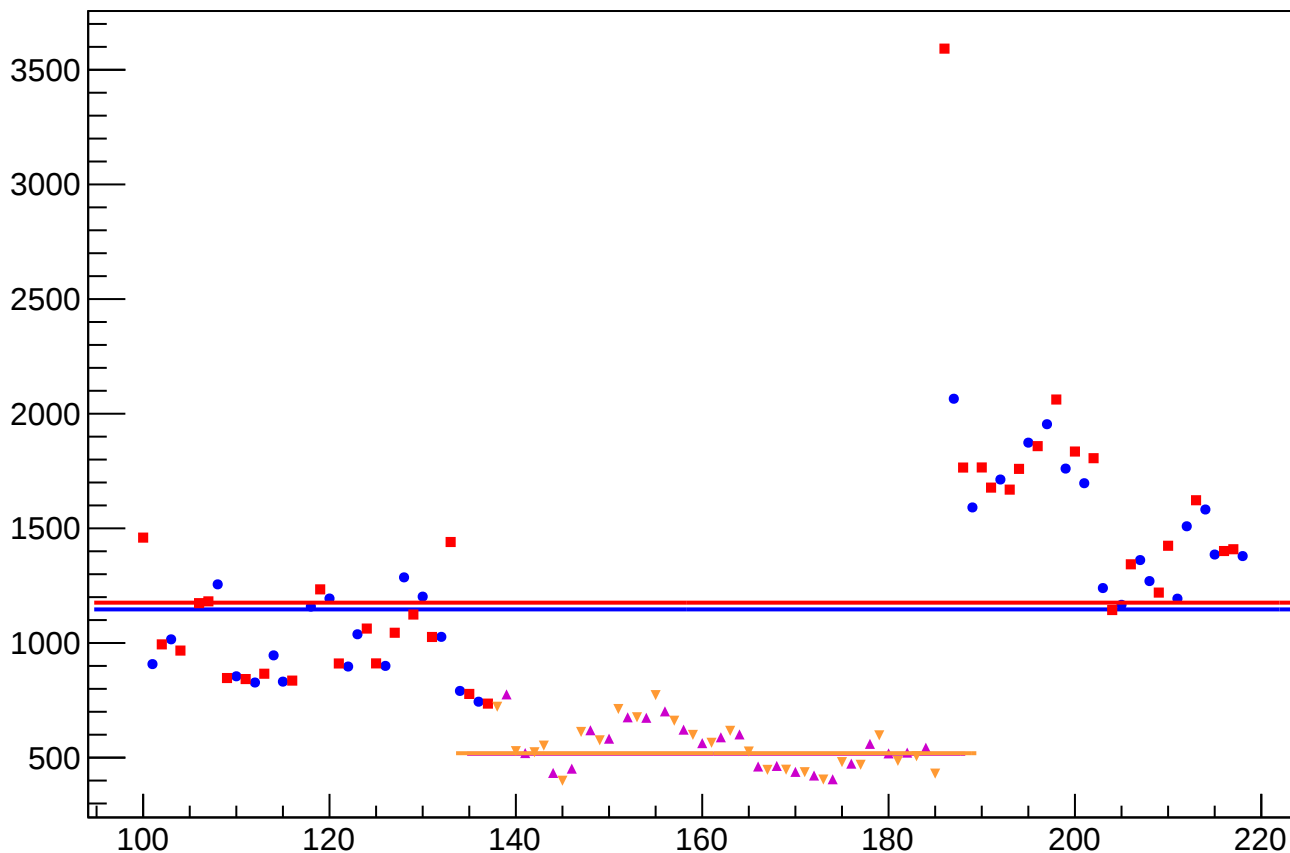
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF: 26.1/22

+ sign 731.652 $\pm$ 112.758 χ^2 /NDF: 111.3/57

All: 482.259 $\pm$ 80.542 χ^2 /NDF: 193.5/116

- sign 222.459 $\pm$ 115.086 χ^2 /NDF: 72.1/58

asym_sam_12345678_avg_rms vs Slug



Right In: 1146.478+/-0.198 χ^2/NDF : 2647250.3/32

Left Out: 519.254+/-0.087 χ^2/NDF :1172411.1/24

Right Out: 1175.938+/-0.201 χ^2/NDF : 3213955.5/35

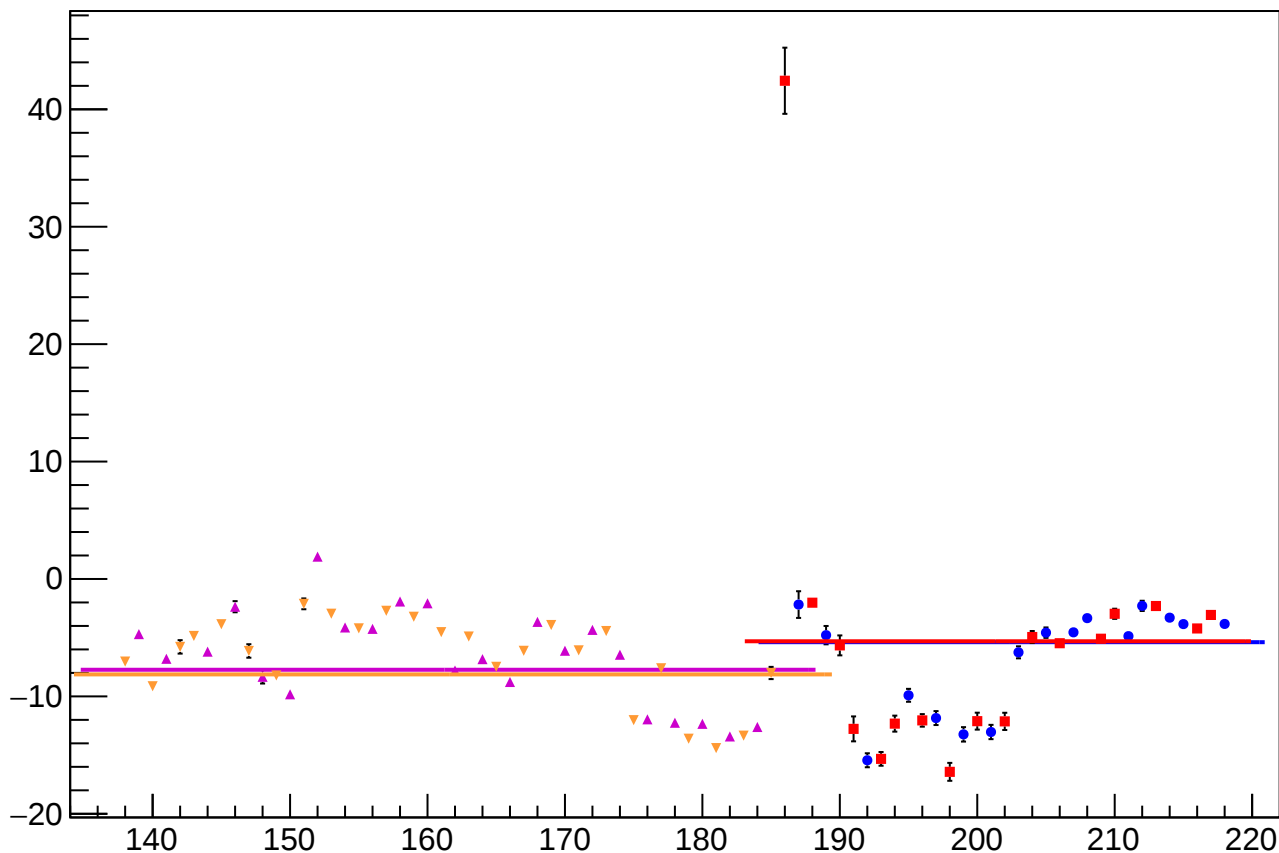
Left In: 516.792+/-0.089 χ^2/NDF :1021374.1/22

+ sign 620.610+/-0.080 χ^2/NDF : 12203897.2/57

All: 622.430+/-0.057 χ^2/NDF : 25397349.5/11

- sign 624.327+/-0.081 χ^2/NDF : 13192387.9/58

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.384 $\pm$ 0.107 χ^2/NDF : 995.9/15

Left Out: -8.127 $\pm$ 0.067 χ^2/NDF : 3635.5/24

Right Out: -5.306 $\pm$ 0.108 χ^2/NDF : 1574.3/16

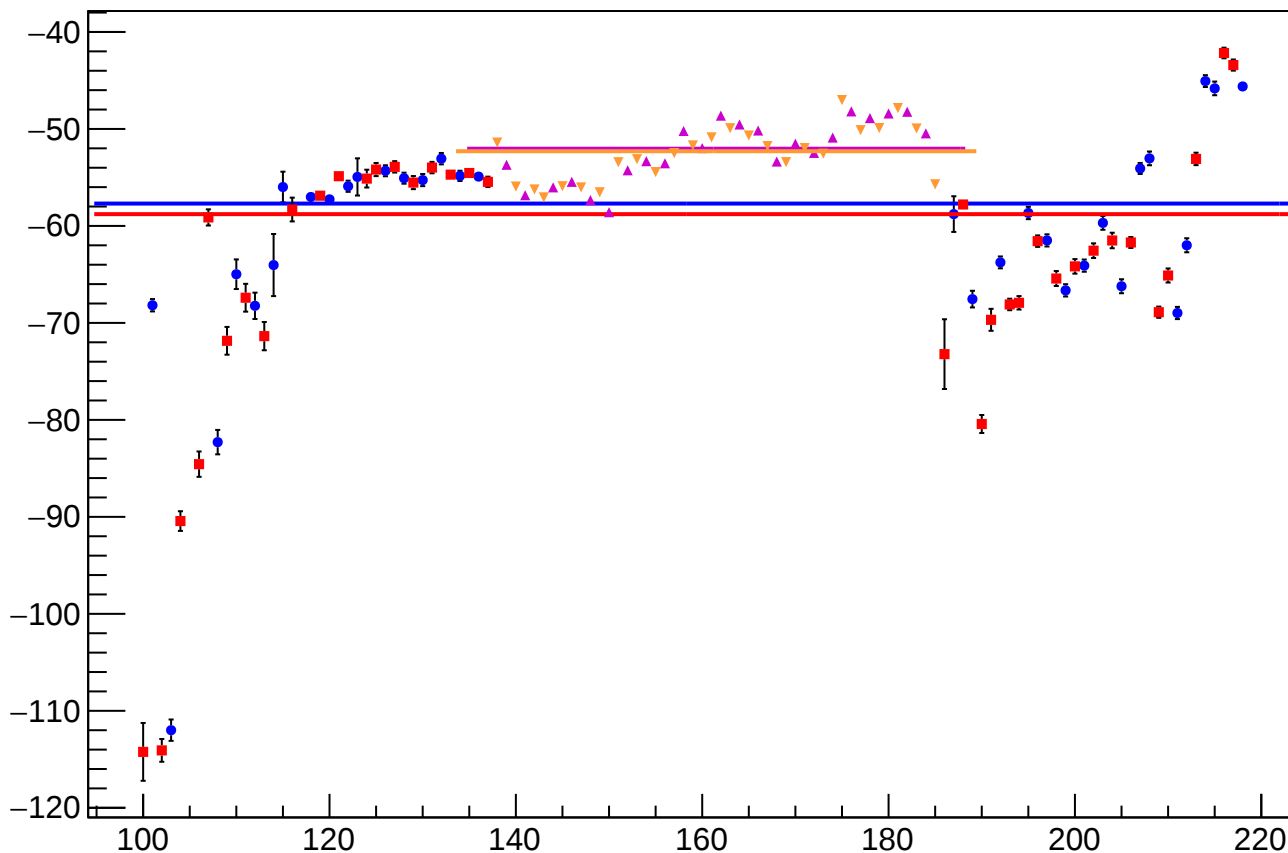
Left In: -7.732 $\pm$ 0.069 χ^2/NDF : 3719.0/22

+ sign -7.353 $\pm$ 0.057 χ^2/NDF : 5099.0/40

All: -7.195 $\pm$ 0.041 χ^2/NDF : 10767.0/80

- sign -7.031 $\pm$ 0.058 χ^2/NDF : 5652.3/39

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.695 ± 0.108 $\chi^2/\text{NDF}: 5972.0/32$

Left Out: -52.297 ± 0.055 $\chi^2/\text{NDF}: 2657.5/24$

Right Out: -58.786 ± 0.108 $\chi^2/\text{NDF}: 8139.8/35$

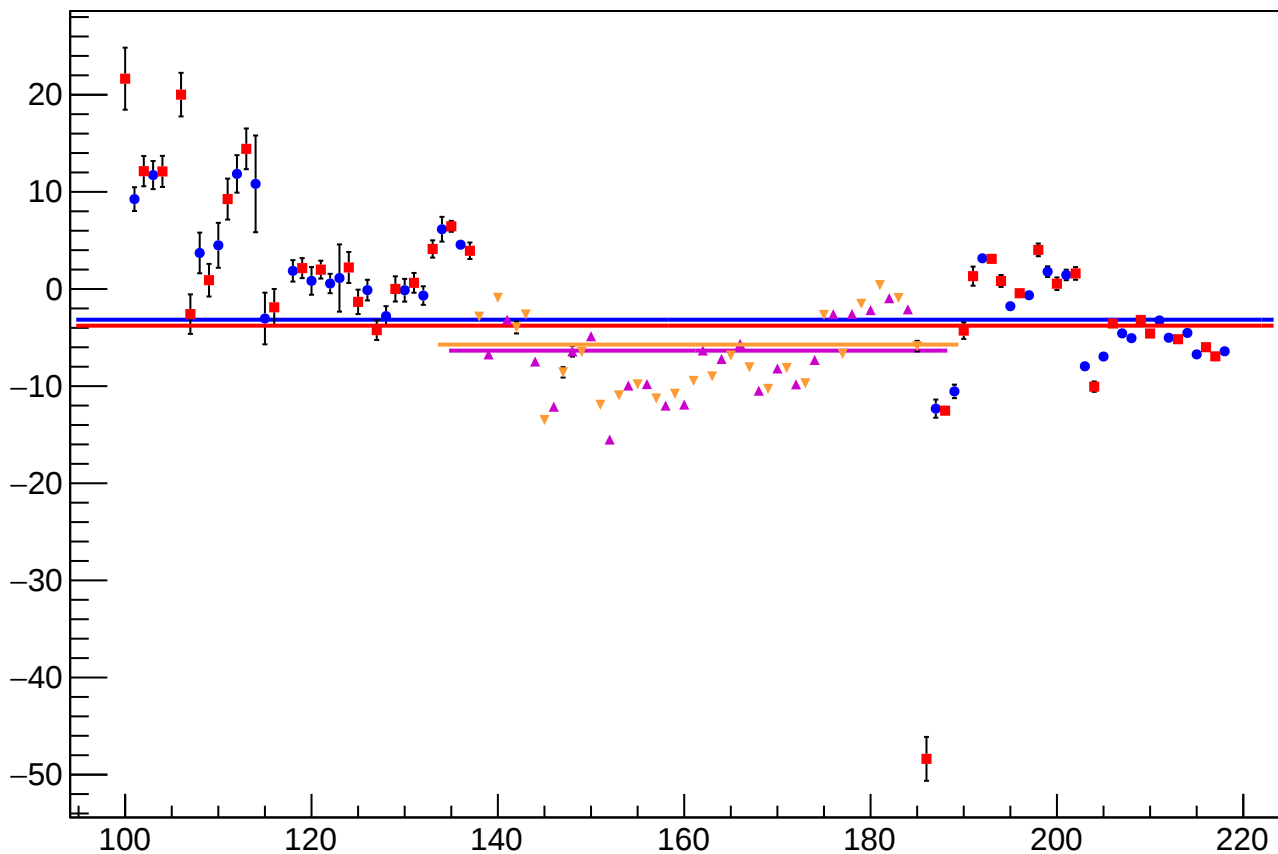
Left In: -52.038 ± 0.057 $\chi^2/\text{NDF}: 3180.4/22$

+ sign -53.409 ± 0.049 $\chi^2/\text{NDF}: 10610.4/57$

All: -53.463 ± 0.035 $\chi^2/\text{NDF}: 24994.2/116$

- sign -53.520 ± 0.050 $\chi^2/\text{NDF}: 14381.3/58$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -3.159 ± 0.100 χ^2/NDF : 1757.6/32

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -3.775 ± 0.099 χ^2/NDF : 3406.9/35

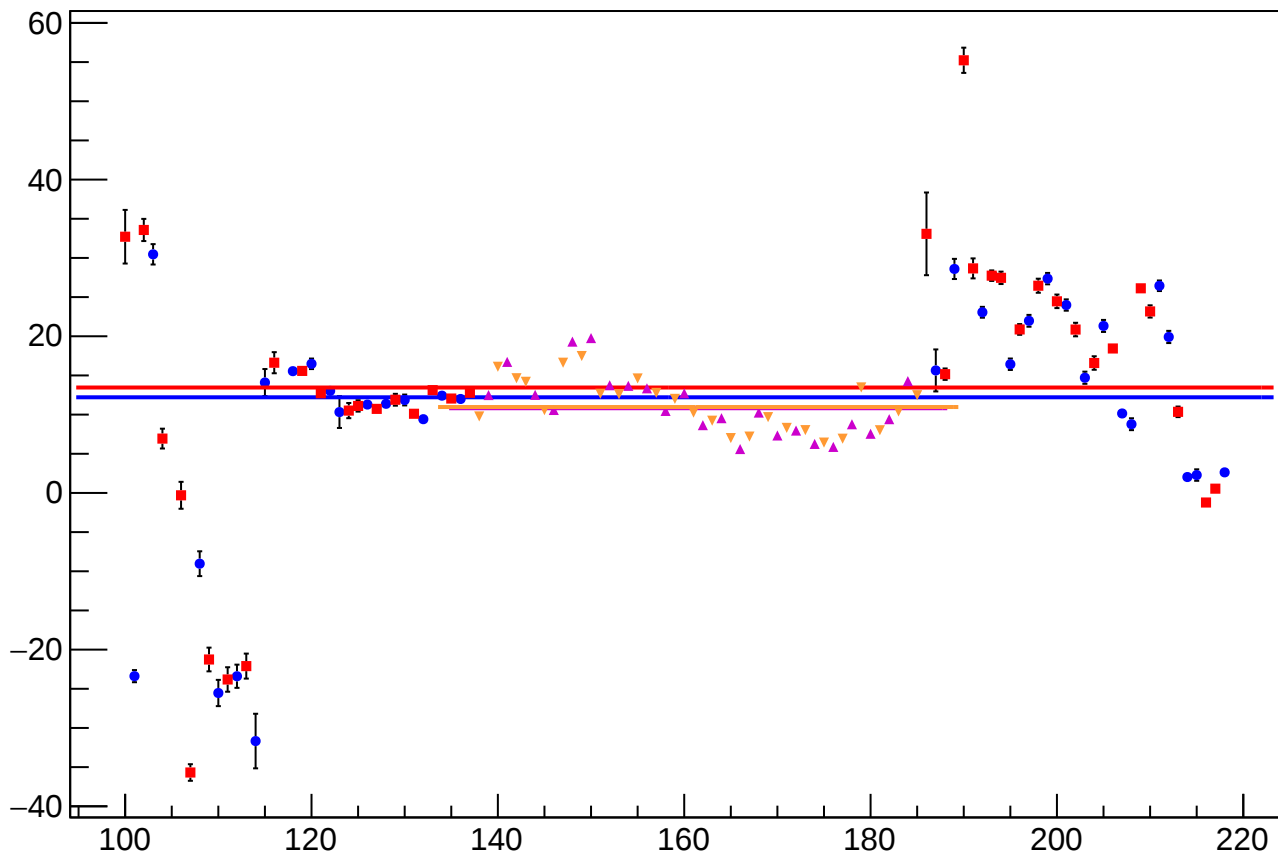
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.915 ± 0.056 χ^2/NDF : 6193.2/57

All: -5.211 ± 0.040 χ^2/NDF : 13493.7/116

- sign -5.513 ± 0.056 χ^2/NDF : 7244.0/58

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: 13.459 ± 0.121 χ^2/NDF : 8156.0/35

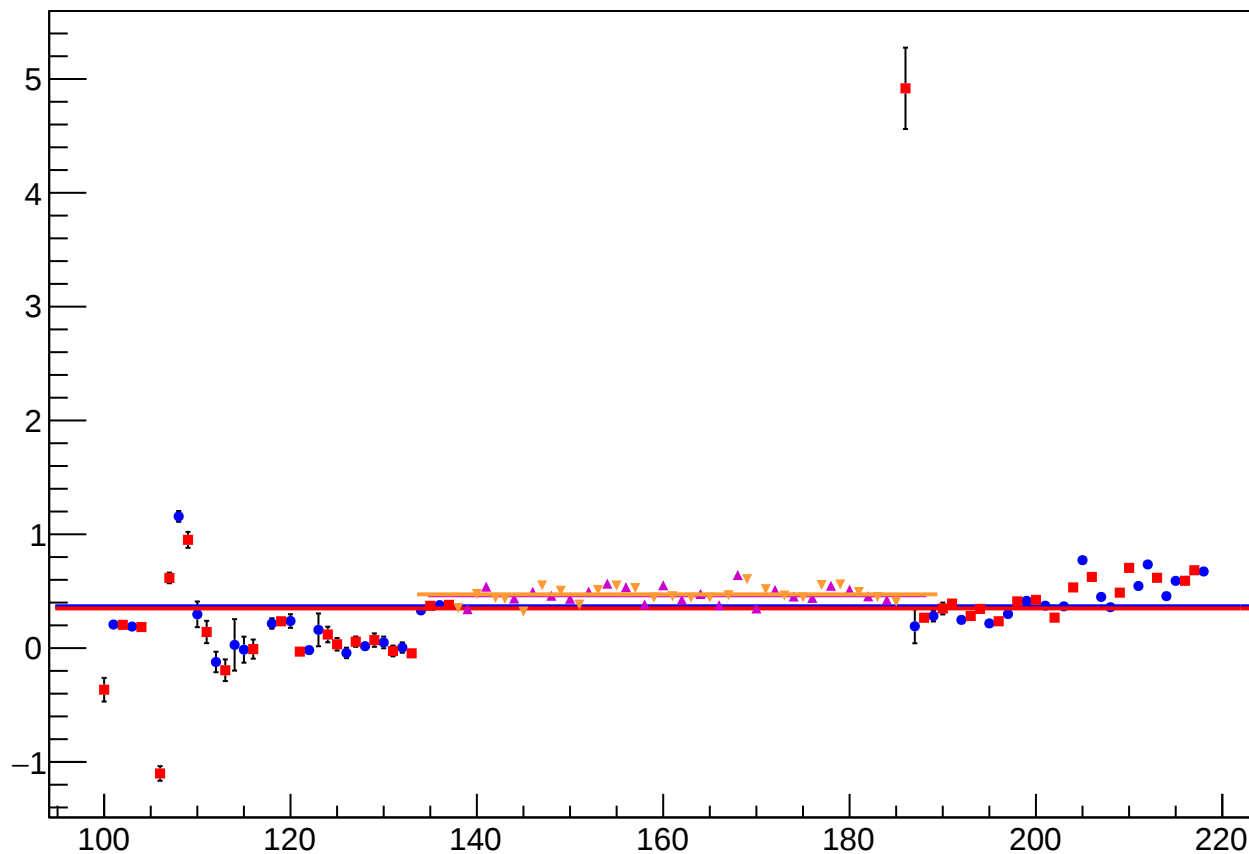
Left In: 10.813 ± 0.063 χ^2/NDF : 3546.8/22

+ sign 11.227 ± 0.055 χ^2/NDF : 9399.5/57

All: 11.301 ± 0.039 χ^2/NDF : 21481.2/116

- sign 11.379 ± 0.056 χ^2/NDF : 12078.0/58

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: 0.349 ± 0.005 χ^2/NDF : 1878.8/35

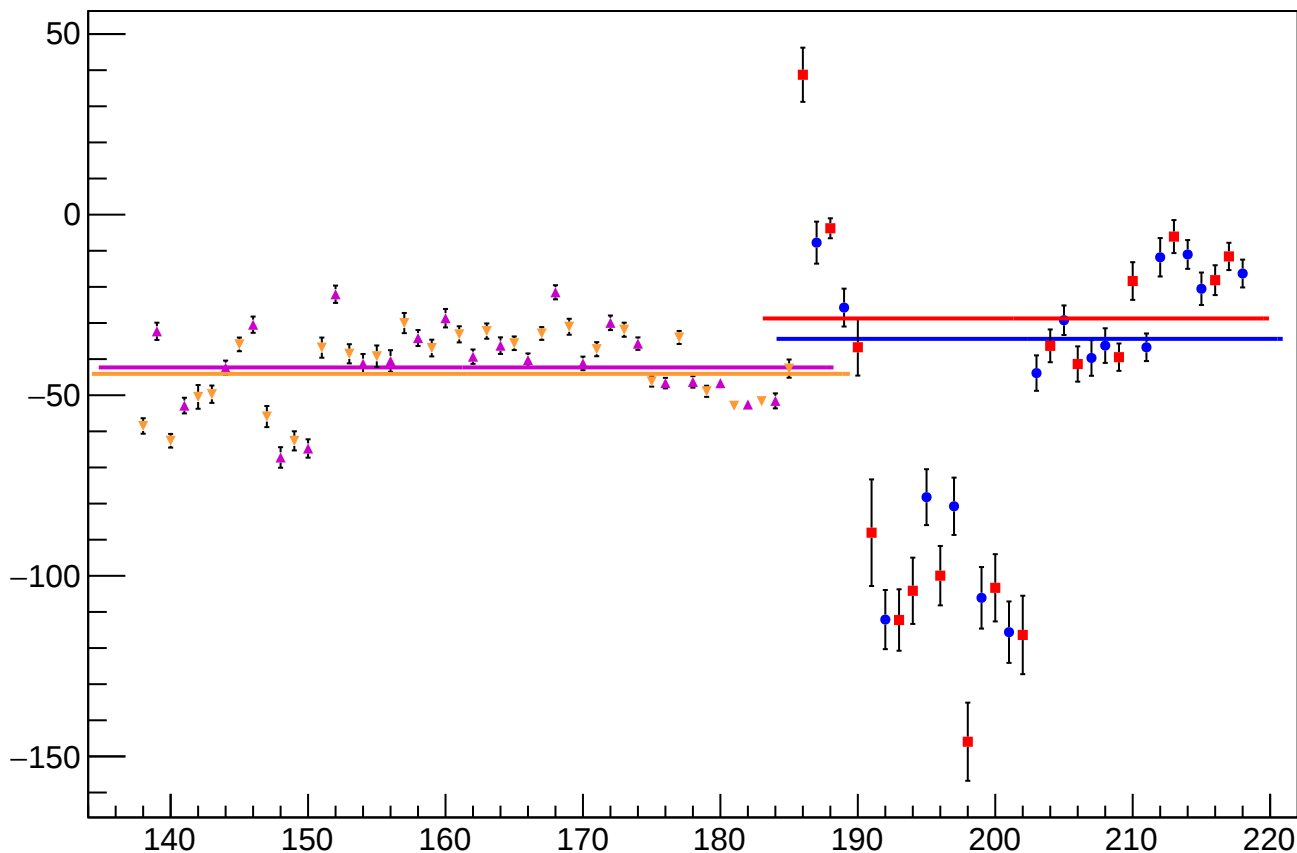
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.450 ± 0.002 χ^2/NDF : 2075.0/57

All: 0.445 ± 0.002 χ^2/NDF : 5053.7/116

- sign 0.440 ± 0.002 χ^2/NDF : 2970.8/58

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: -28.739 ± 1.278 χ^2/NDF : 738.5/16

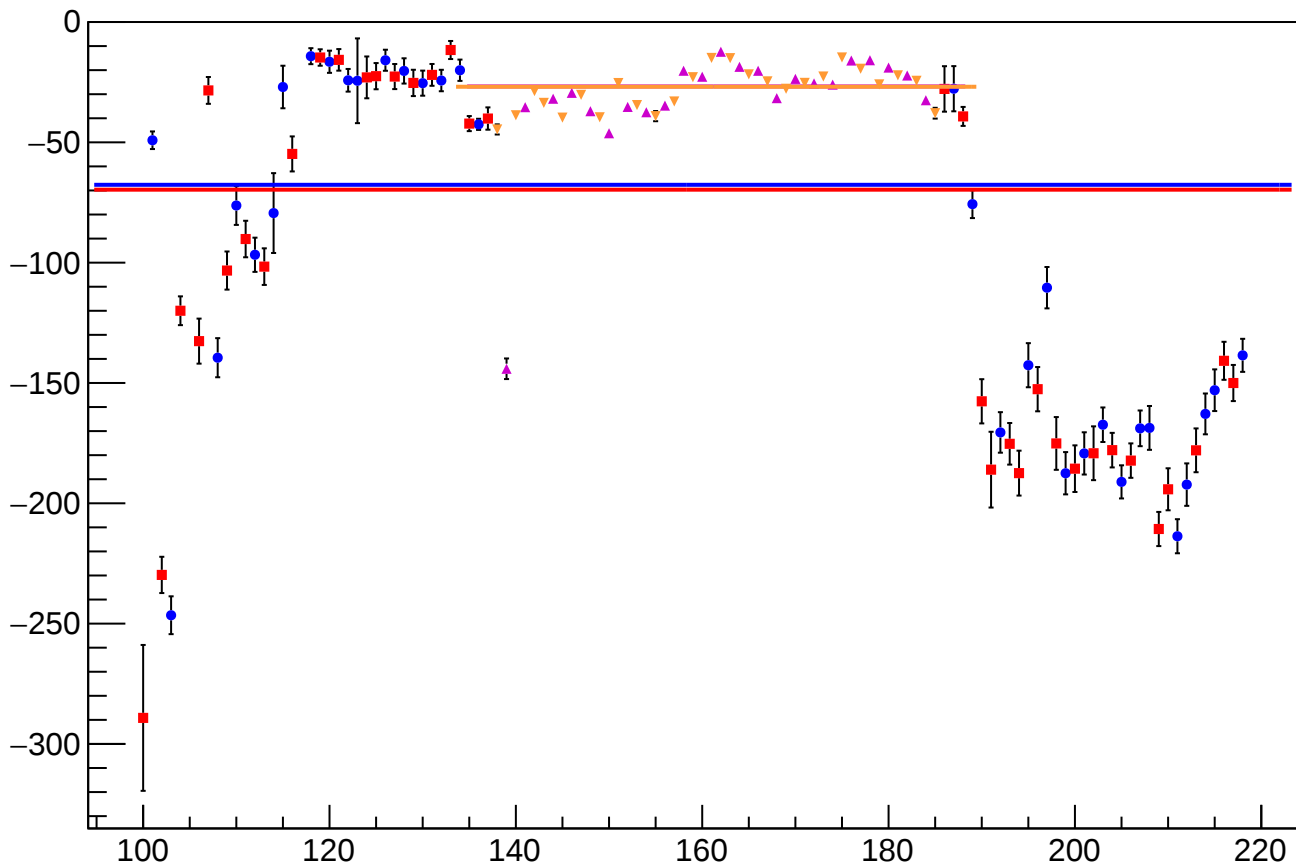
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.260 ± 0.372 χ^2/NDF : 1118.0/40

All: -42.206 ± 0.266 χ^2/NDF : 2616.2/80

- sign -41.099 ± 0.381 χ^2/NDF : 1481.7/39

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: -69.673 ± 1.024 $\chi^2/\text{NDF}: 4201.2/35$

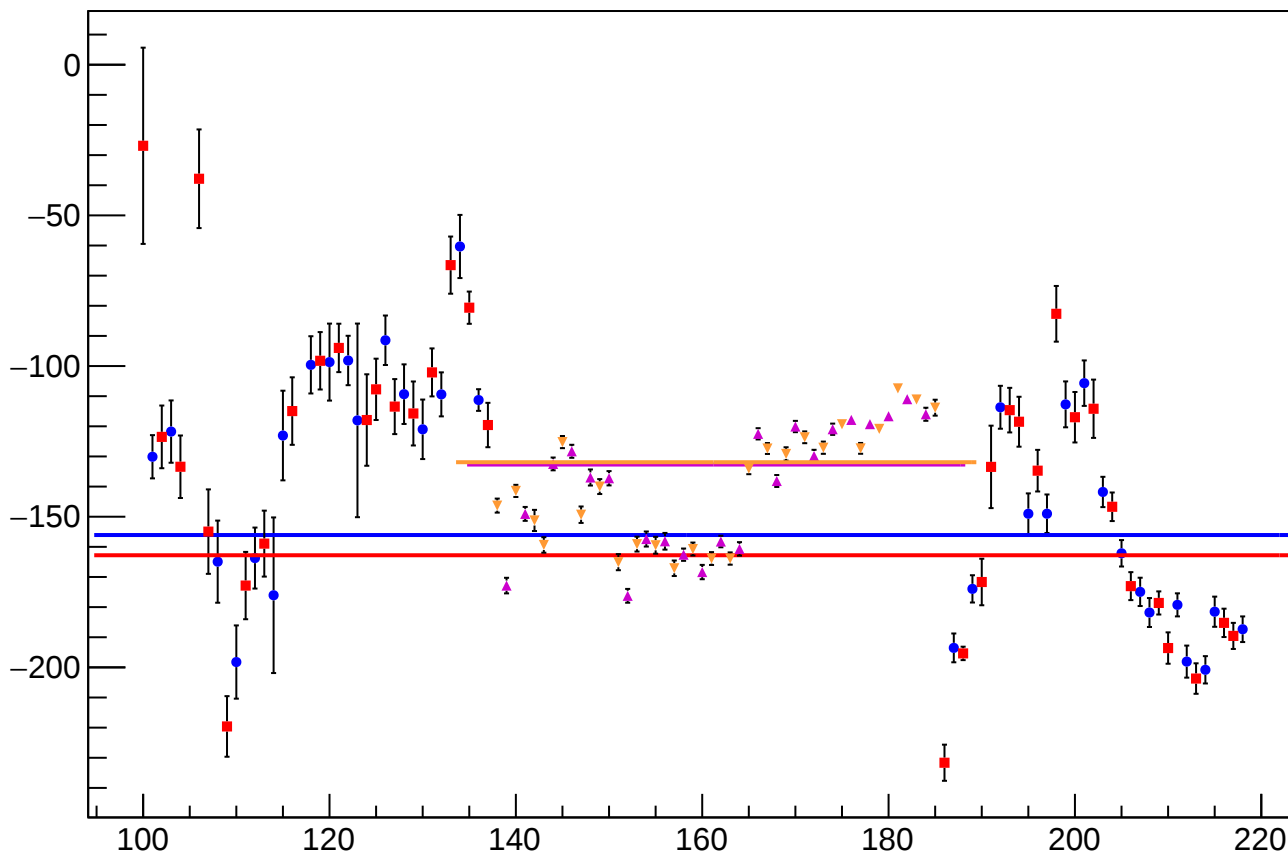
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -30.658 ± 0.301 $\chi^2/\text{NDF}: 6297.6/57$

All: -30.692 ± 0.216 $\chi^2/\text{NDF}: 13486.6/116$

- sign -30.729 ± 0.311 $\chi^2/\text{NDF}: 7189.0/58$

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: -162.789 ± 1.067 χ^2/NDF : 1550.9/35

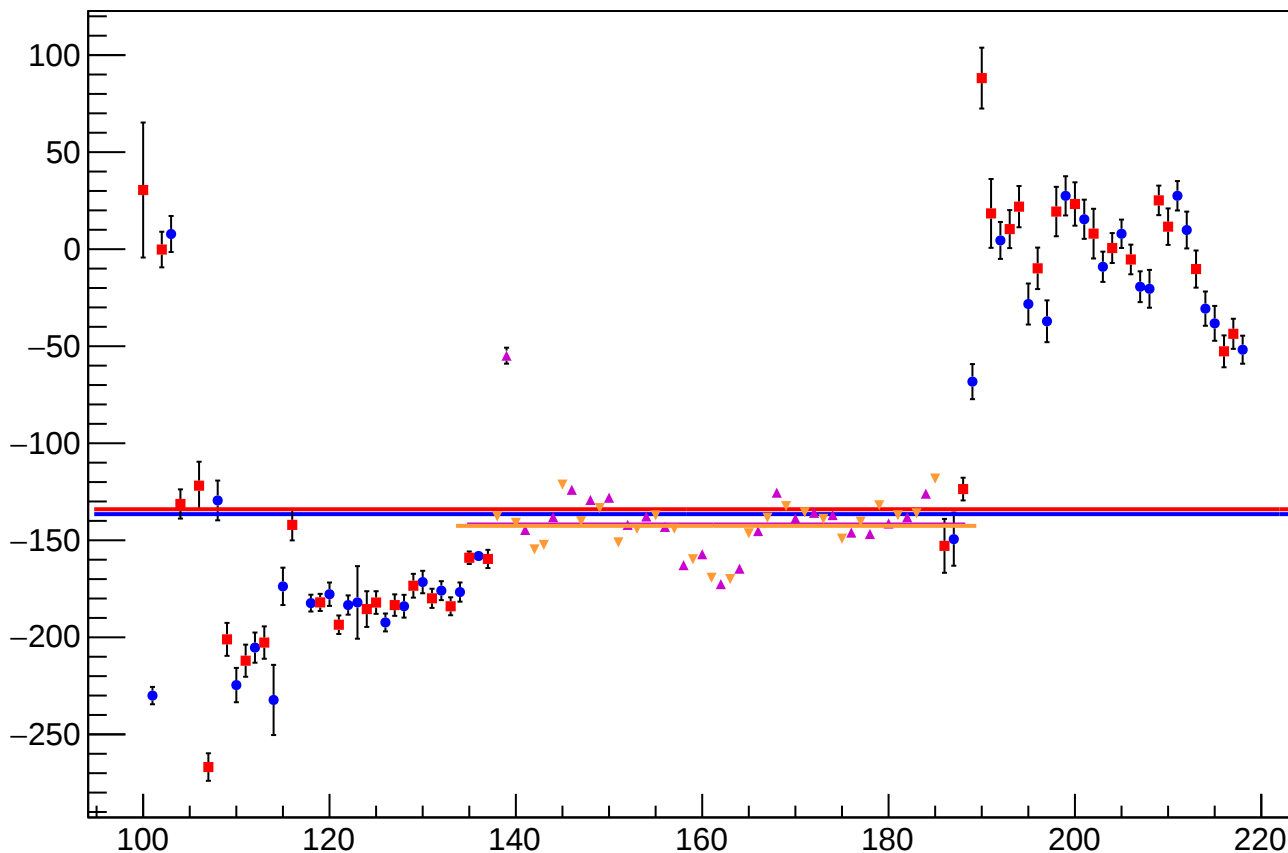
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -134.701 ± 0.368 χ^2/NDF : 3928.0/57

All: -135.533 ± 0.262 χ^2/NDF : 8668.0/116

- sign -136.392 ± 0.374 χ^2/NDF : 4729.6/58

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: -134.000 ± 1.165 $\chi^2/\text{NDF}: 4576.3/35$

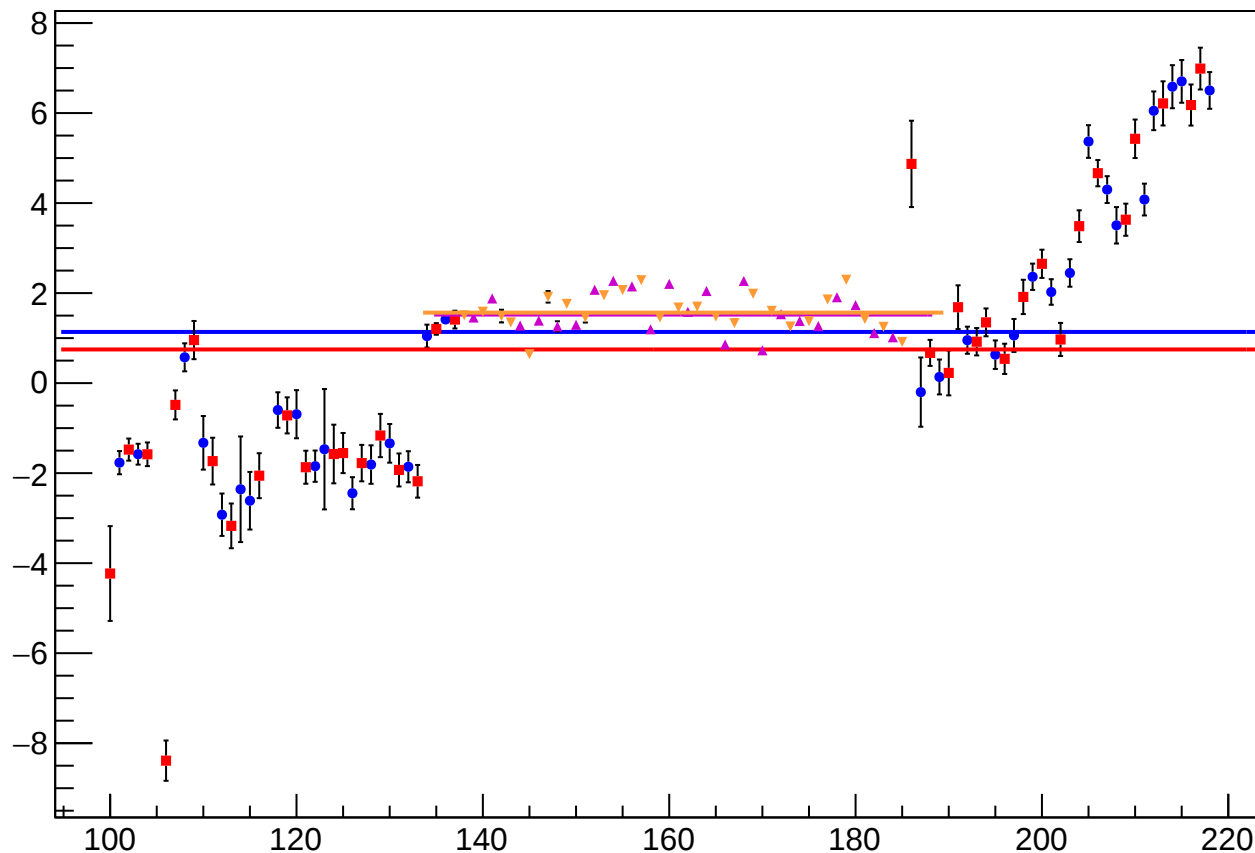
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -142.006 ± 0.337 $\chi^2/\text{NDF}: 5878.1/57$

All: -141.595 ± 0.242 $\chi^2/\text{NDF}: 12043.1/116$

- sign -141.159 ± 0.347 $\chi^2/\text{NDF}: 6162.0/58$

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: 0.748 ± 0.056 $\chi^2/\text{NDF}: 1977.7/35$

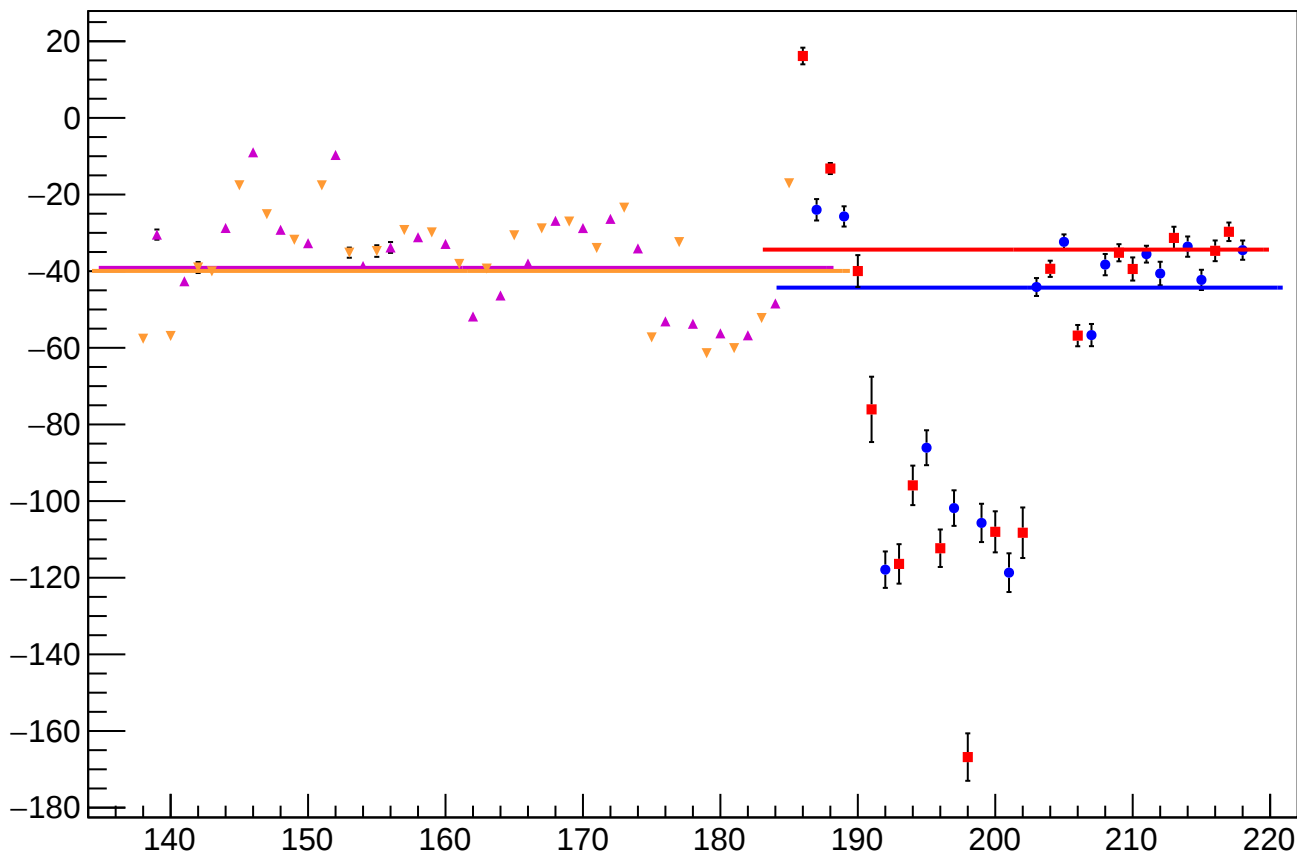
Left In: 1.523 ± 0.017 $\chi^2/\text{NDF}: 738.5/22$

+ sign 1.531 ± 0.015 $\chi^2/\text{NDF}: 2358.2/57$

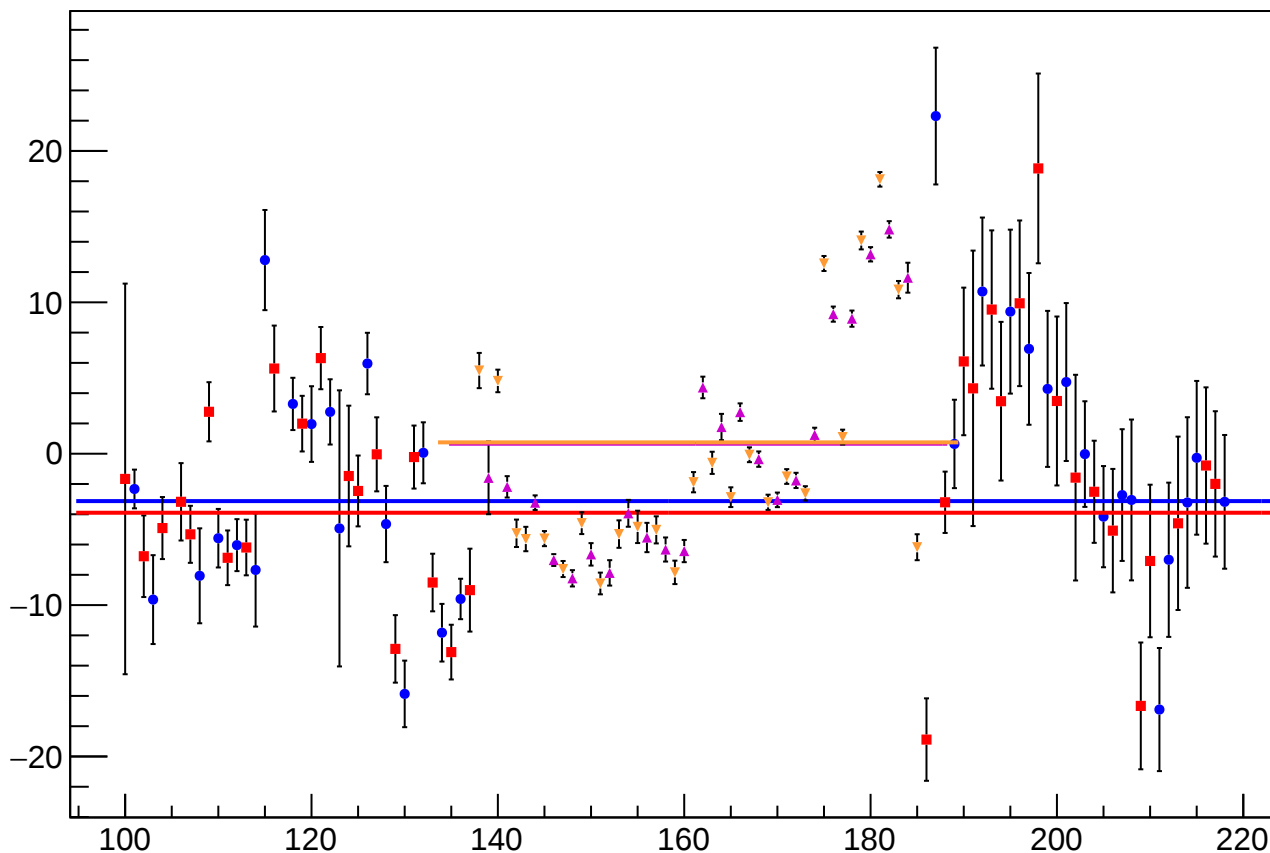
All: 1.497 ± 0.011 $\chi^2/\text{NDF}: 5260.5/116$

- sign 1.461 ± 0.016 $\chi^2/\text{NDF}: 2892.4/58$

reg_asym_sam3_diff_bpm1X_slope vs Slug



reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.130 ± 0.454 χ^2/NDF : 231.5/32

Left Out: 0.749 ± 0.124 χ^2/NDF : 3970.9/24

Right Out: -3.900 ± 0.454 χ^2/NDF : 197.9/35

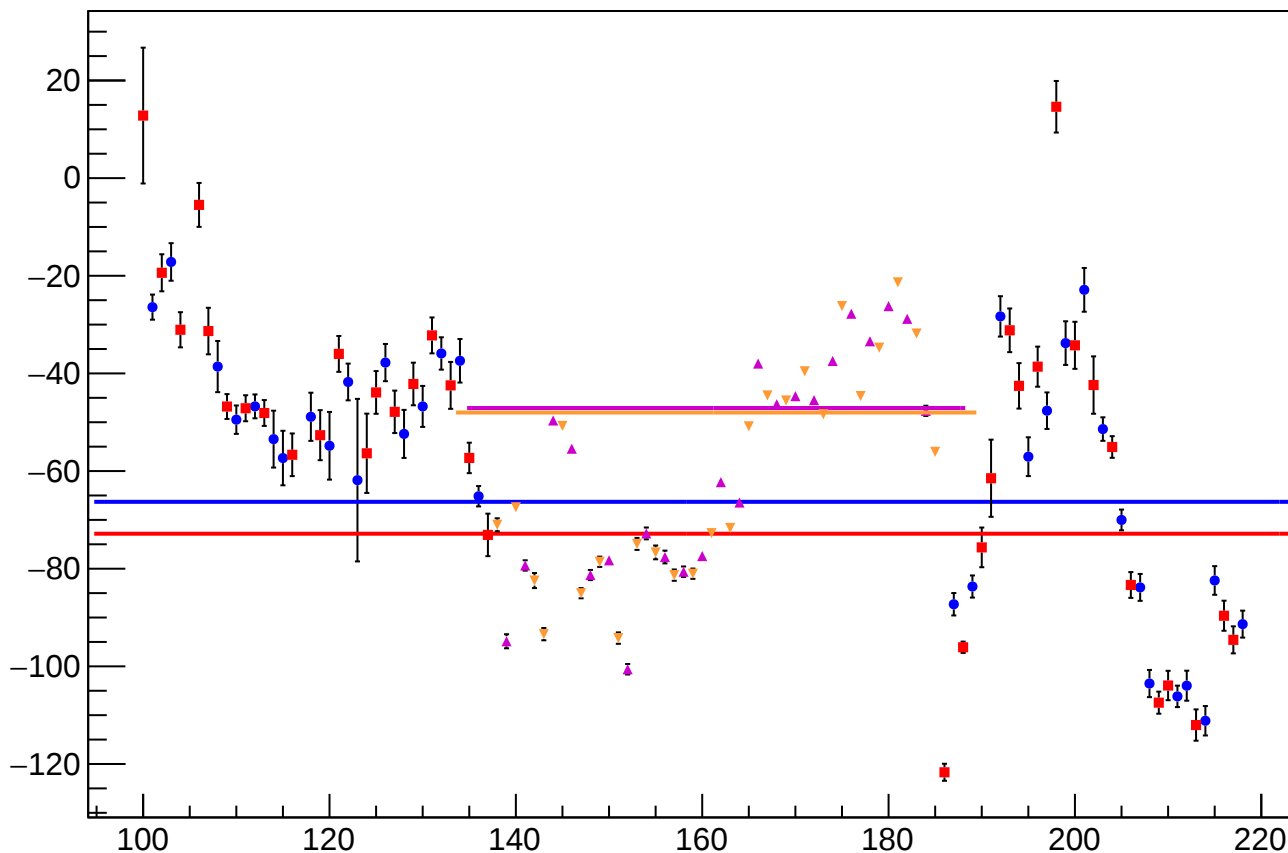
Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

+ sign 0.479 ± 0.120 χ^2/NDF : 4270.3/57

All: 0.411 ± 0.085 χ^2/NDF : 7900.6/116

- sign 0.342 ± 0.120 χ^2/NDF : 3629.6/58

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: -72.832 ± 0.521 χ^2/NDF : 3816.6/35

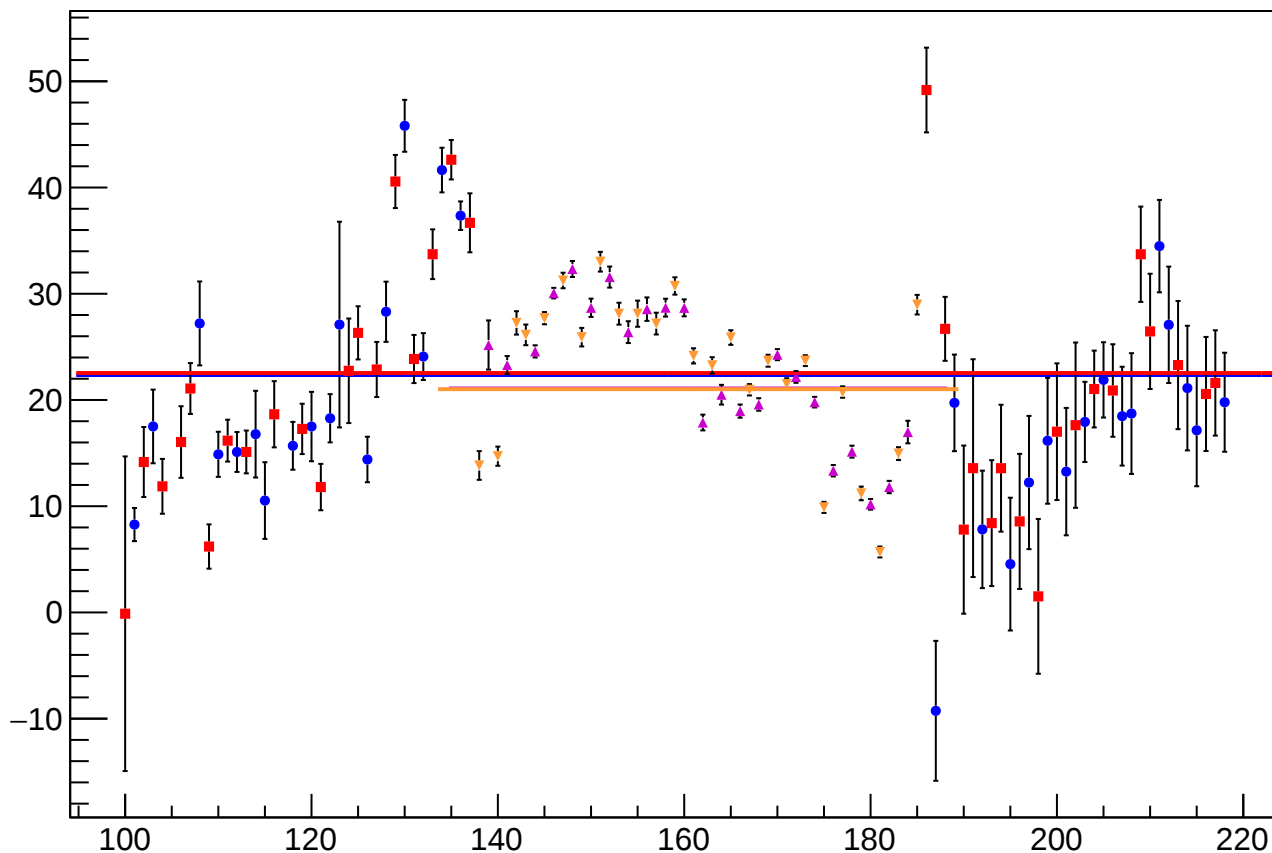
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -49.338 ± 0.149 χ^2/NDF : 20250.6/57

All: -49.264 ± 0.105 χ^2/NDF : 41829.6/116

- sign -49.191 ± 0.149 χ^2/NDF : 21578.5/58

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.353+/-0.511 χ^2/NDF : 515.9/32

Left Out: 21.020+/-0.139 χ^2/NDF : 2799.3/24

Right Out: 22.536+/-0.520 χ^2/NDF : 446.7/35

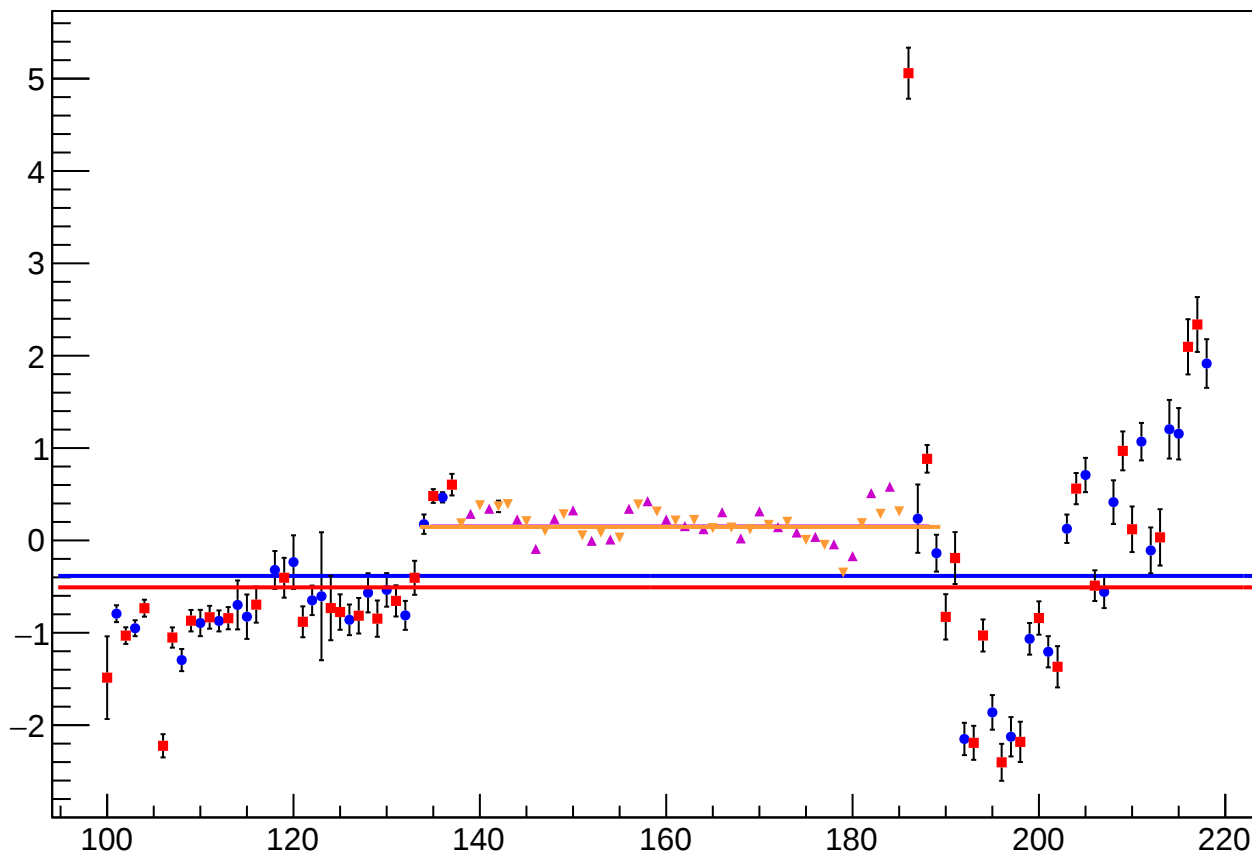
Left In: 21.079+/-0.140 χ^2/NDF : 2173.2/22

+ sign 21.111+/-0.134 χ^2/NDF : 3321.5/57

All: 21.144+/-0.095 χ^2/NDF : 5948.8/116

- sign 21.177+/-0.135 χ^2/NDF : 2627.2/58

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: -0.508 ± 0.026 $\chi^2/\text{NDF}: 1582.8/35$

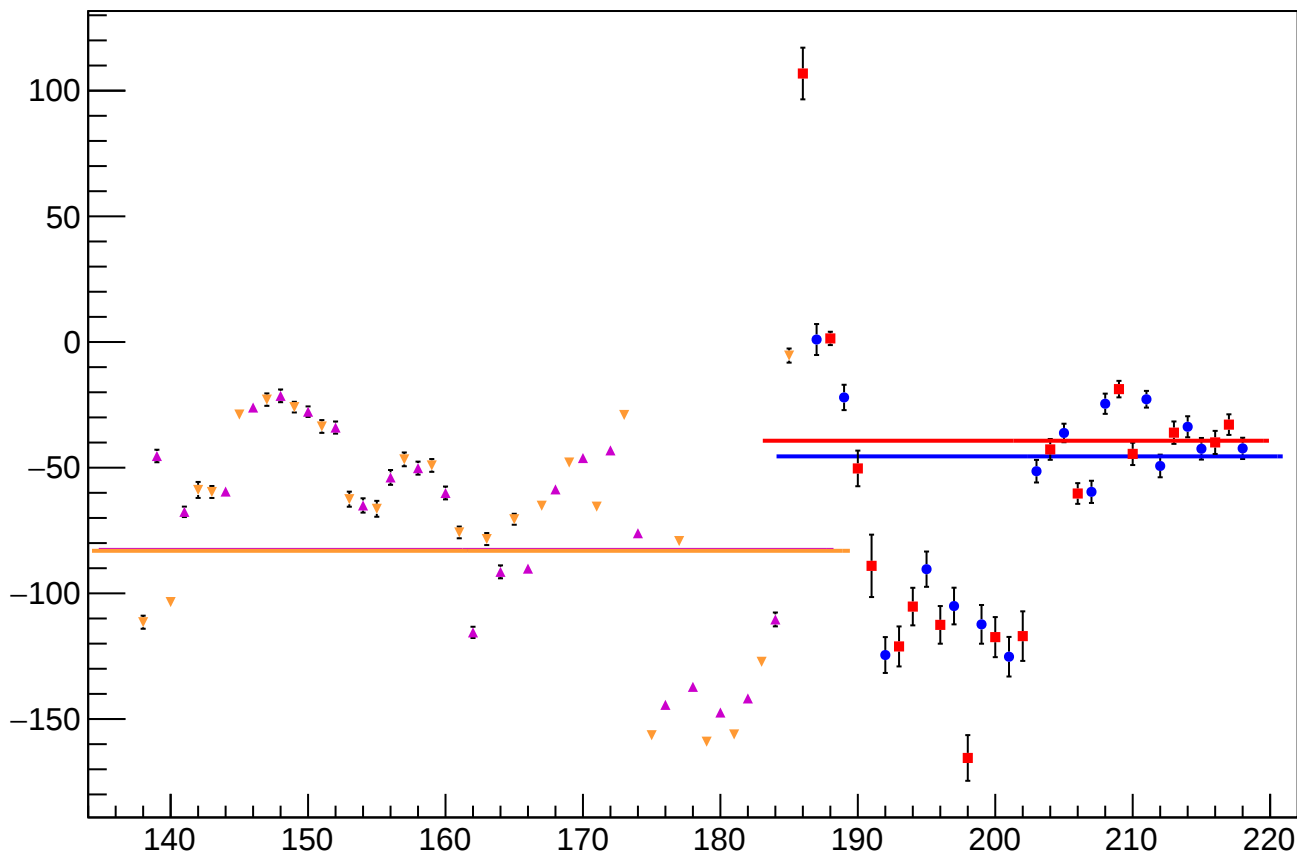
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.116 ± 0.006 $\chi^2/\text{NDF}: 1959.4/57$

All: 0.115 ± 0.004 $\chi^2/\text{NDF}: 5019.3/116$

- sign 0.113 ± 0.006 $\chi^2/\text{NDF}: 3059.8/58$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -45.501 ± 1.195 χ^2/NDF : 588.3/15

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -39.276 ± 1.208 χ^2/NDF : 1156.4/16

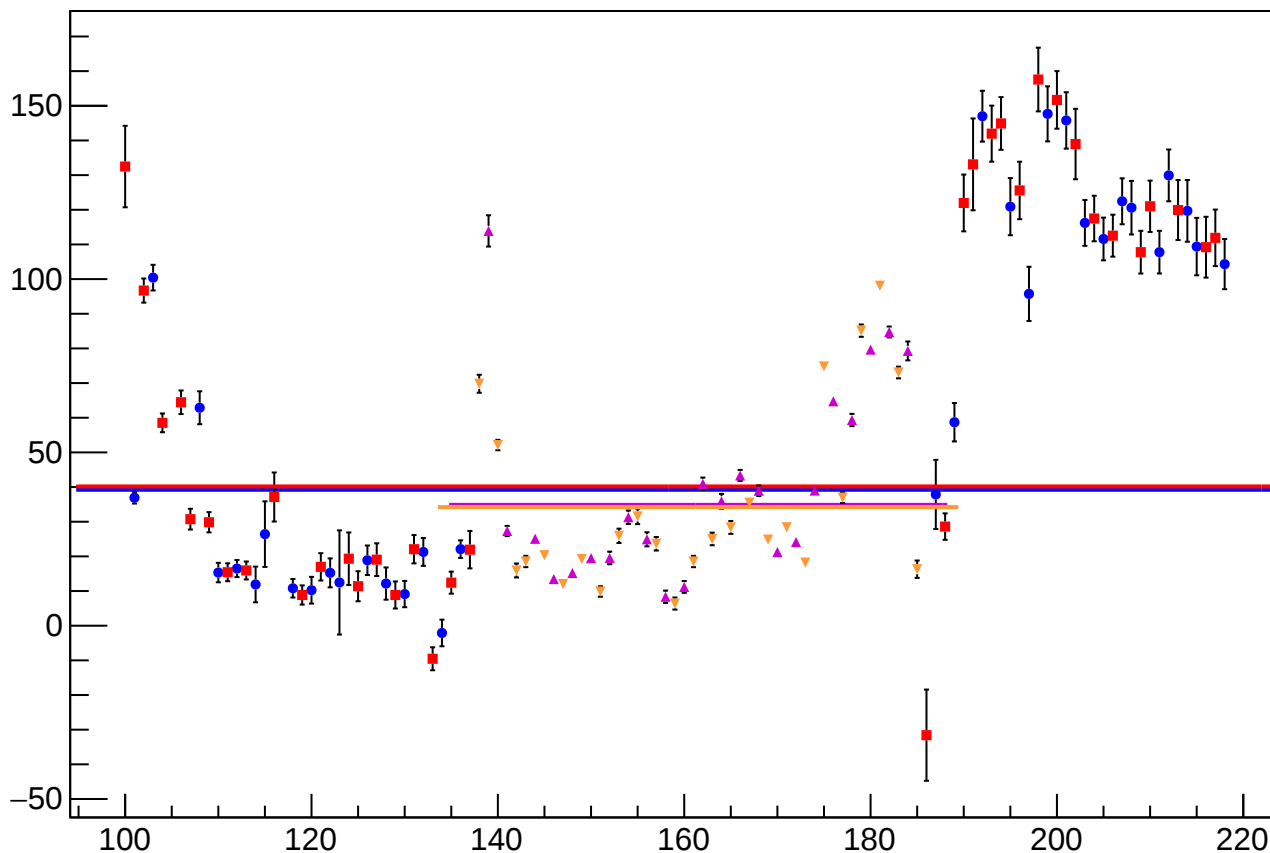
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -79.174 ± 0.385 χ^2/NDF : 15291.6/40

All: -78.659 ± 0.275 χ^2/NDF : 28449.5/80

- sign -78.122 ± 0.393 χ^2/NDF : 13154.2/39

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 39.228 $\pm$ 0.738 χ^2 /NDF: 2778.7/32

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF:6192.6/24

Right Out: 40.175 $\pm$ 0.738 χ^2 /NDF: 3081.1/35

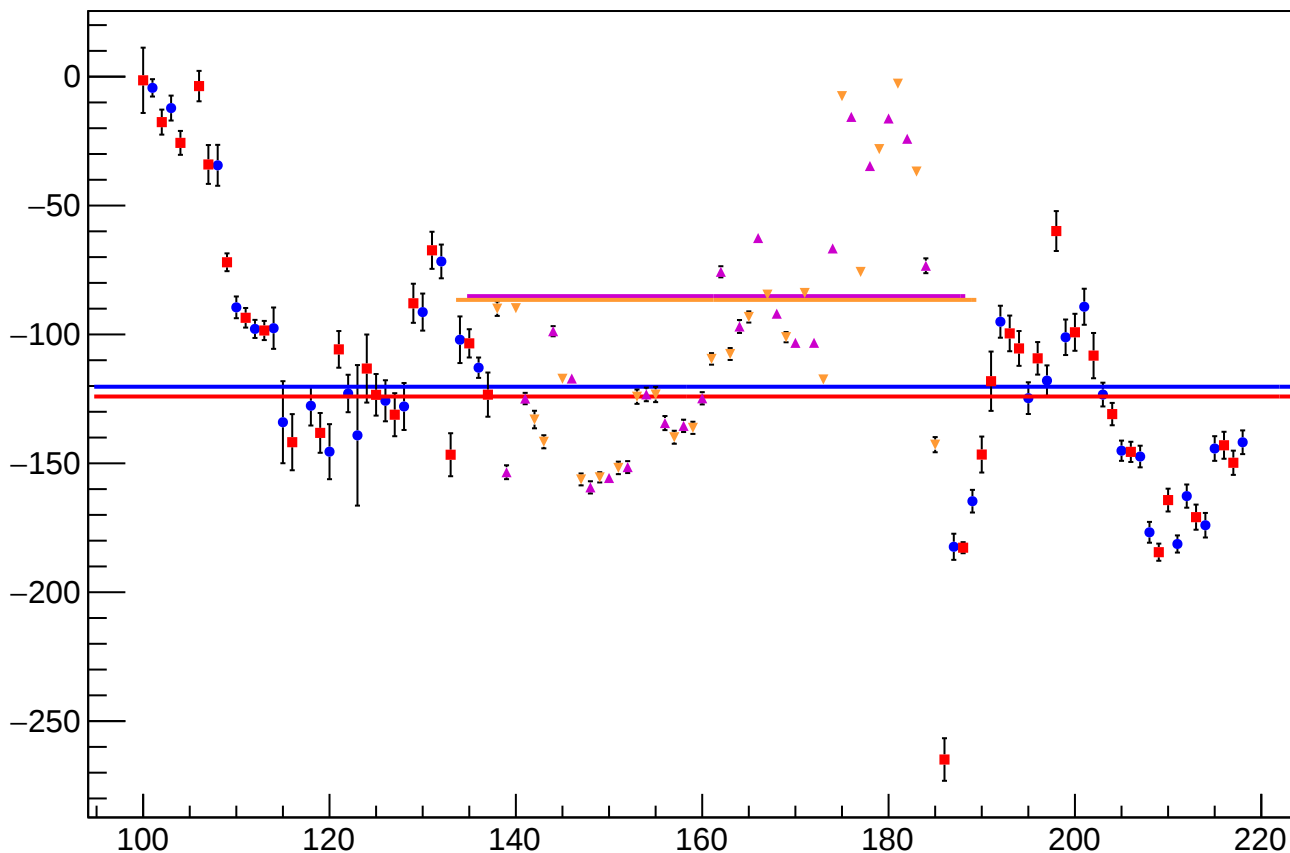
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF:4716.1/22

+ sign 35.013 $\pm$ 0.294 χ^2 /NDF: 9010.1/57

All: 35.373 $\pm$ 0.210 χ^2 /NDF: 16853.5/116

- sign 35.750 $\pm$ 0.301 χ^2 /NDF: 7840.3/58

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: -124.077 ± 0.875 χ^2/NDF : 3783.7/35

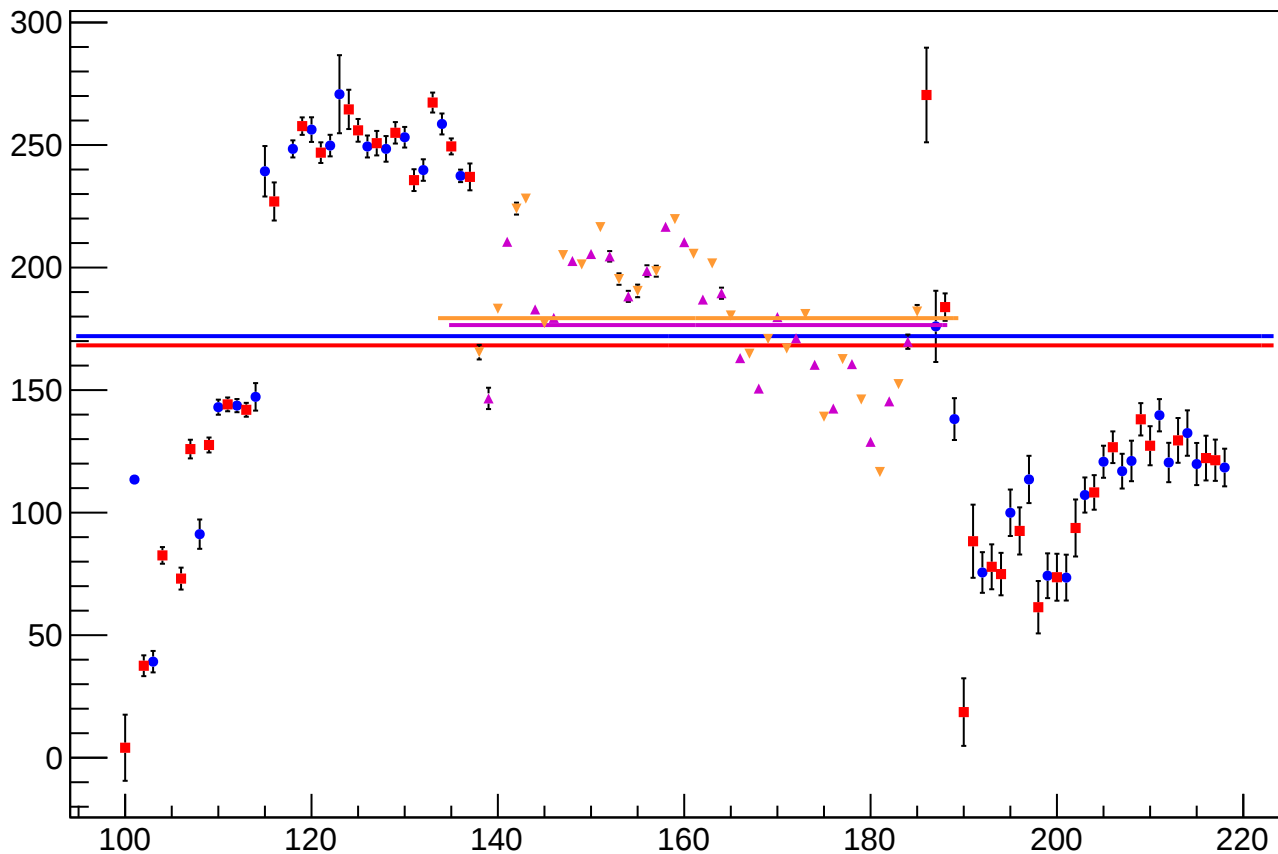
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -92.270 ± 0.372 χ^2/NDF : 18826.3/57

All: -92.279 ± 0.264 χ^2/NDF : 37068.5/116

- sign -92.287 ± 0.375 χ^2/NDF : 18242.2/58

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: 168.244 $\pm$ 0.846 χ^2 /NDF: 7376.3/35

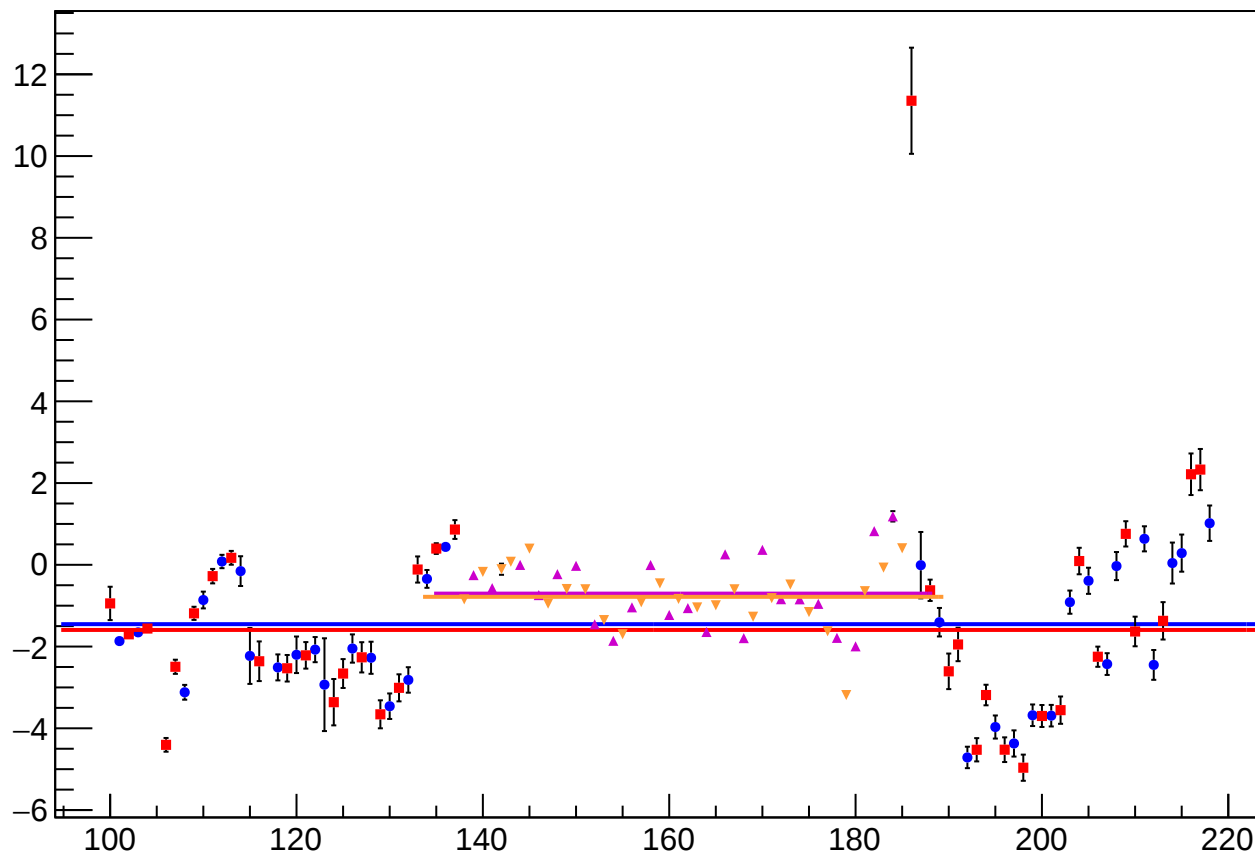
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 178.210 $\pm$ 0.332 χ^2 /NDF: 12400.8/57

All: 176.736 $\pm$ 0.238 χ^2 /NDF: 24323.8/116

- sign 175.195 $\pm$ 0.340 χ^2 /NDF: 11882.7/58

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: -1.594 ± 0.040 χ^2/NDF : 1714.5/35

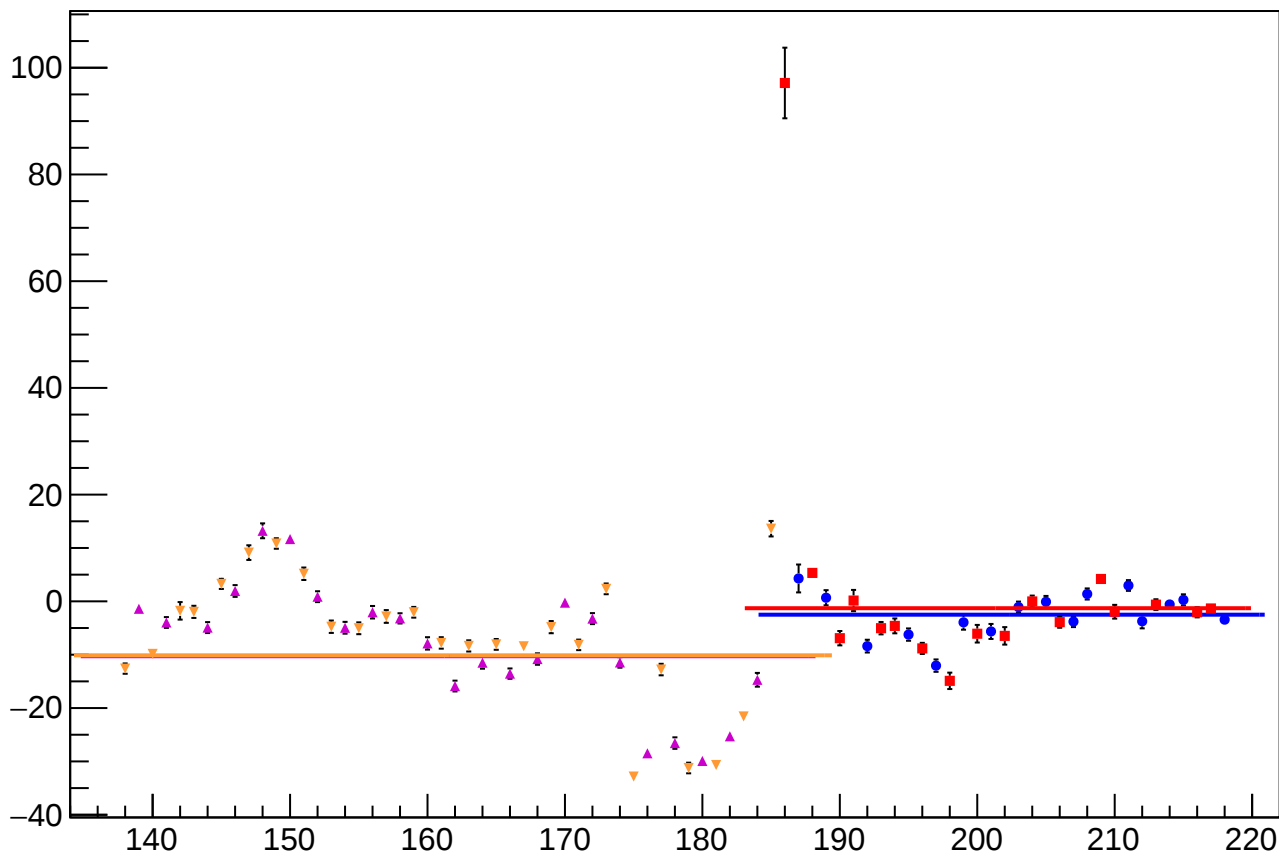
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.876 ± 0.015 χ^2/NDF : 3263.5/57

All: -0.858 ± 0.011 χ^2/NDF : 7810.1/116

- sign -0.841 ± 0.016 χ^2/NDF : 4544.0/58

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: -1.289 ± 0.272 χ^2/NDF : 559.2/16

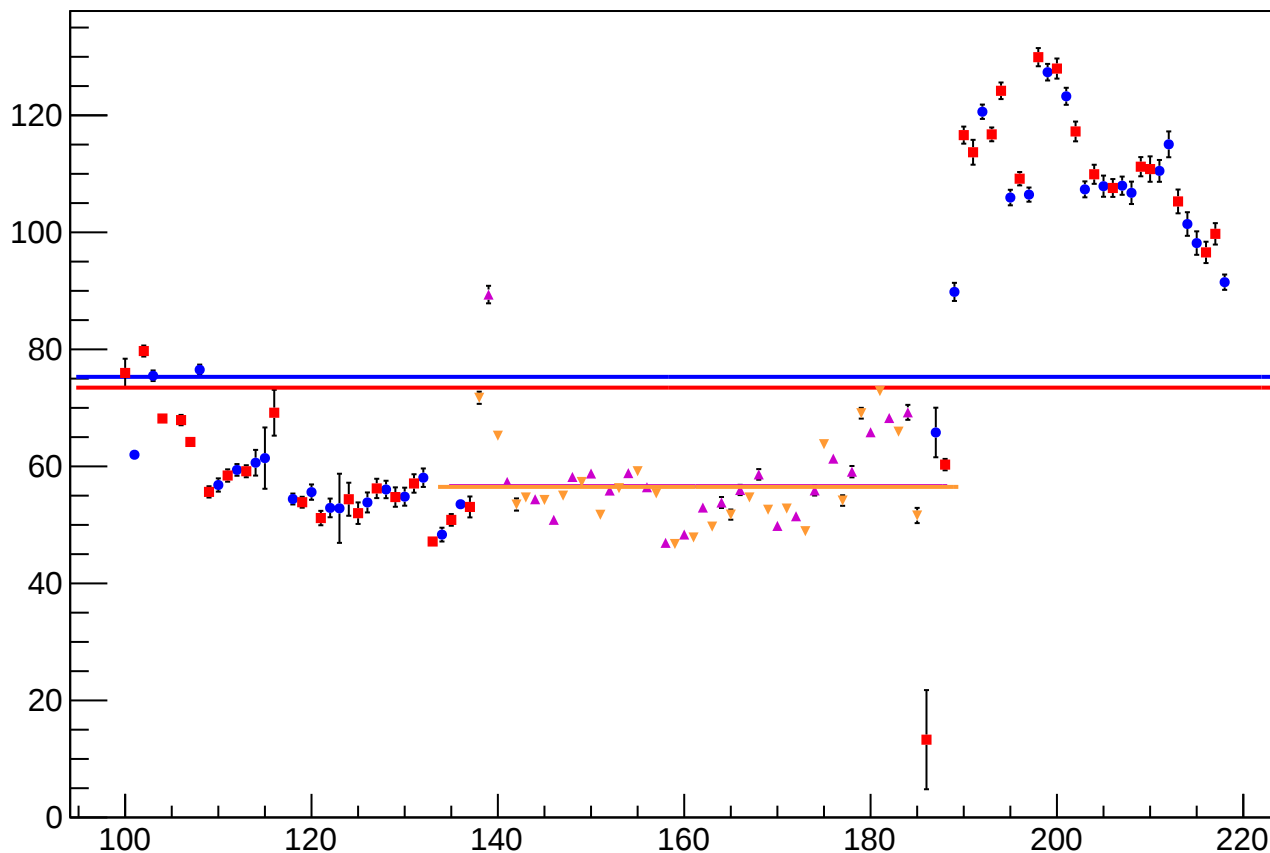
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -7.553 ± 0.164 χ^2/NDF : 4804.6/40

All: -7.287 ± 0.116 χ^2/NDF : 9517.3/80

- sign -7.021 ± 0.164 χ^2/NDF : 4707.4/39

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: 73.460 $\pm$ 0.207 χ^2 /NDF: 15031.1/35

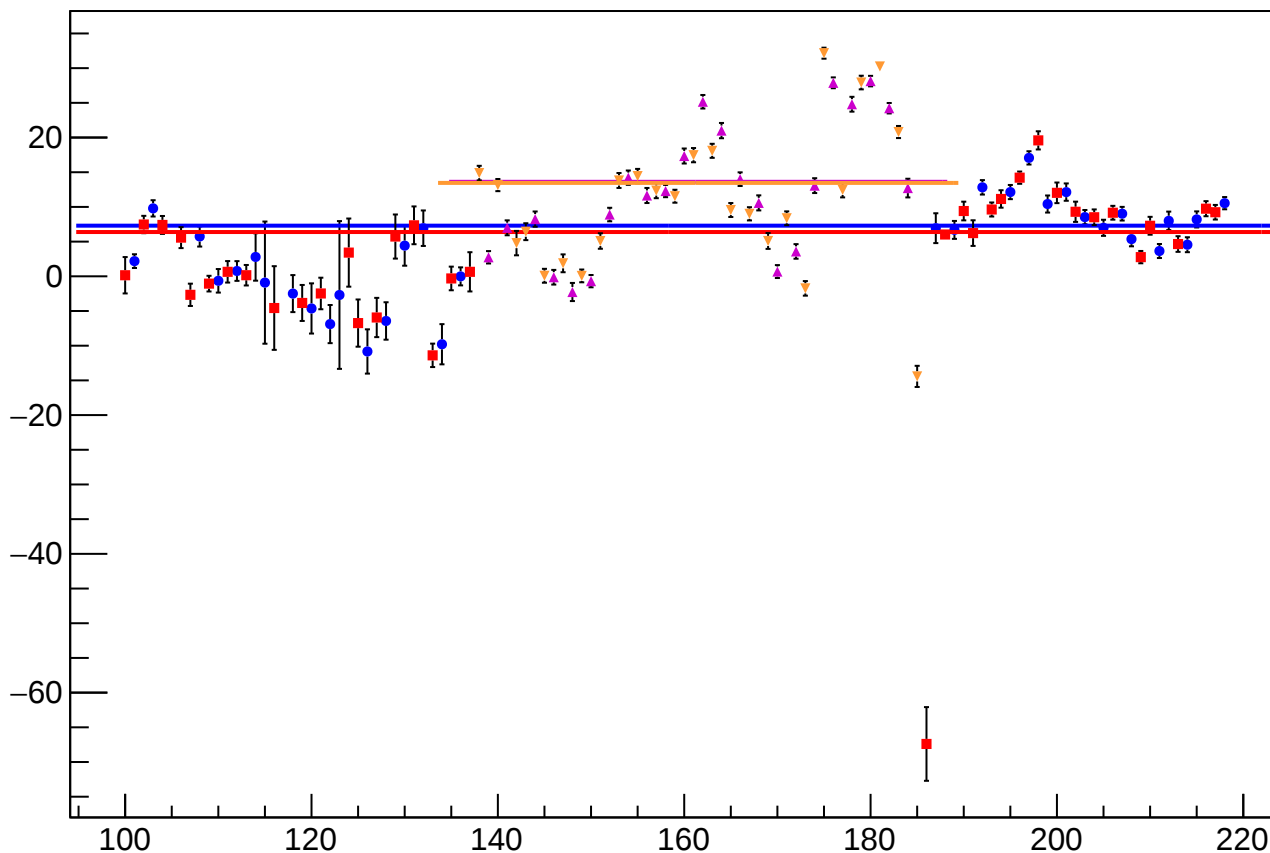
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 62.985 $\pm$ 0.129 χ^2 /NDF: 18632.4/57

All: 63.081 $\pm$ 0.091 χ^2 /NDF: 39310.2/116

- sign 63.179 $\pm$ 0.129 χ^2 /NDF: 20676.7/58

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: 6.382 ± 0.220 χ^2/NDF : 782.2/35

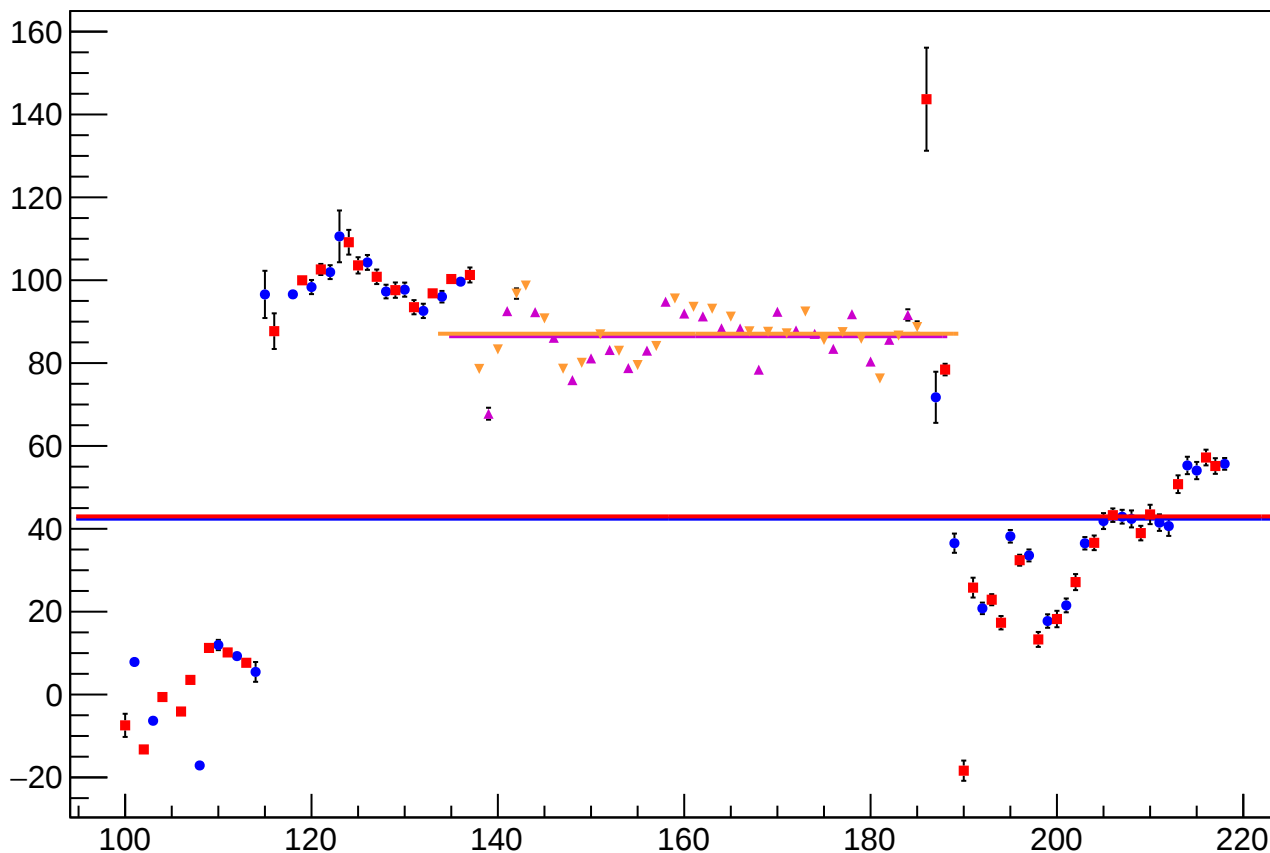
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 10.867 ± 0.153 χ^2/NDF : 3604.3/57

All: 10.556 ± 0.107 χ^2/NDF : 7291.9/116

- sign 10.260 ± 0.150 χ^2/NDF : 3679.5/58

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: 42.992 $\pm$ 0.242 χ^2 /NDF: 30877.1/35

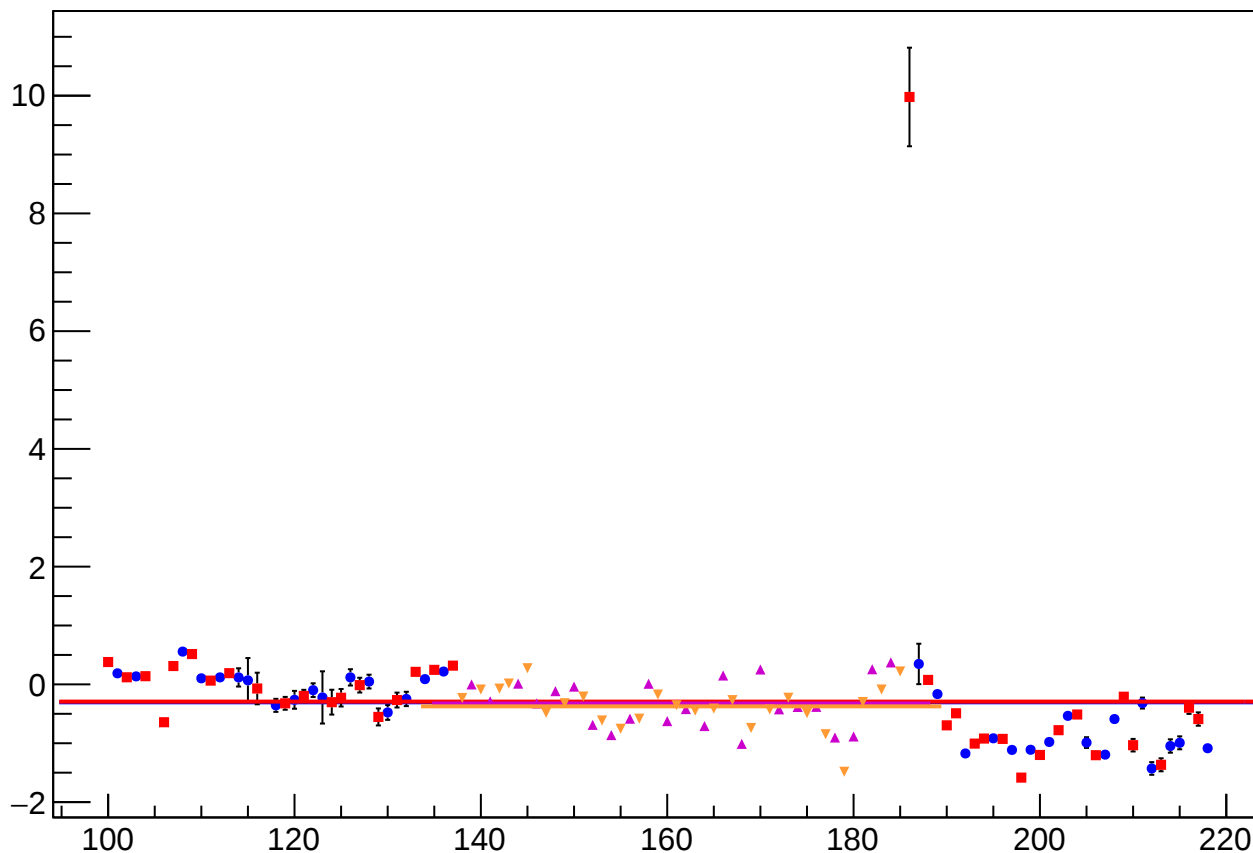
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 72.061 $\pm$ 0.146 χ^2 /NDF: 47638.4/57

All: 71.270 $\pm$ 0.103 χ^2 /NDF: 100009.4/116

- sign 70.470 $\pm$ 0.147 χ^2 /NDF: 52312.0/58

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: -0.293 ± 0.010 χ^2/NDF : 3711.7/35

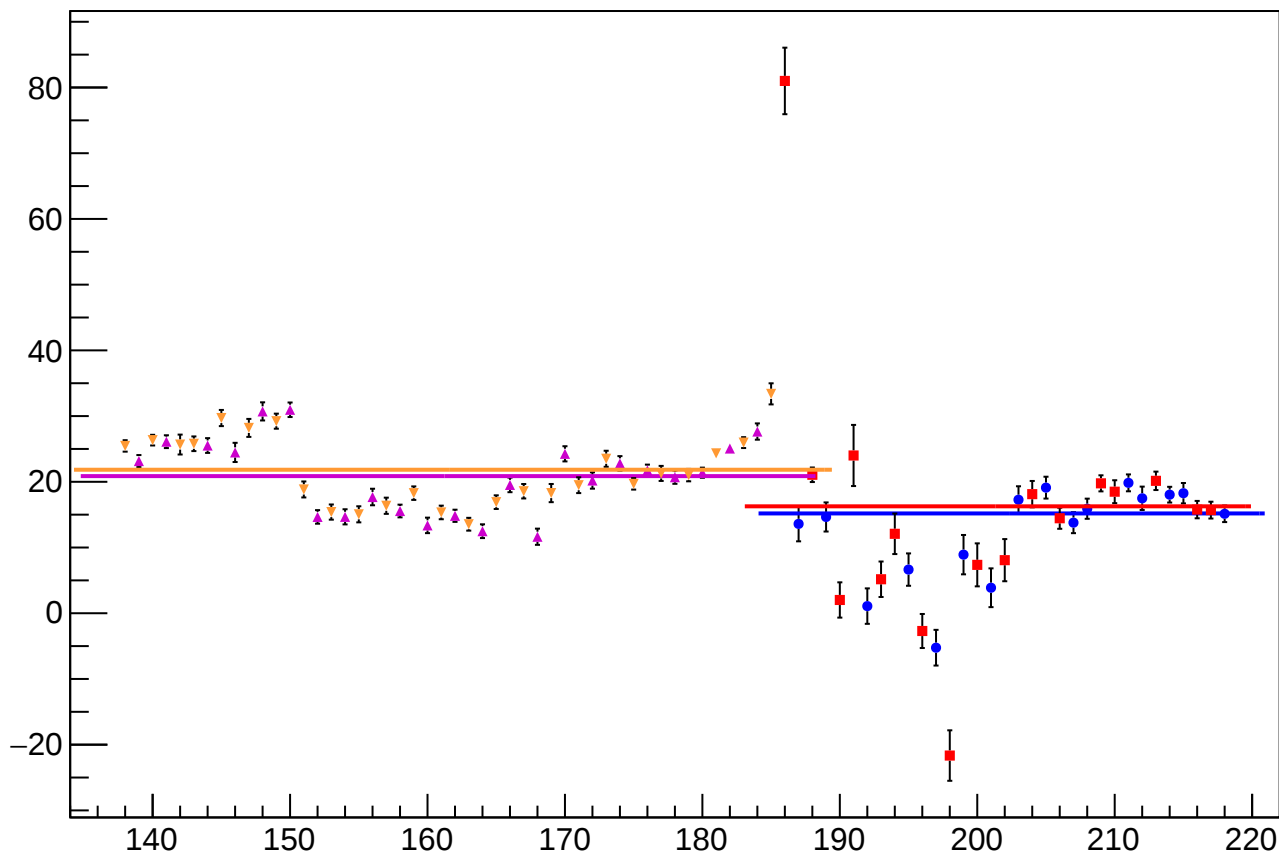
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.348 ± 0.006 χ^2/NDF : 5191.3/57

All: -0.330 ± 0.005 χ^2/NDF : 11209.0/116

- sign -0.312 ± 0.006 χ^2/NDF : 6002.1/58

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 15.186 $\pm$ 0.443 χ^2 /NDF: 147.4/15

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 16.268 $\pm$ 0.446 χ^2 /NDF: 417.1/16

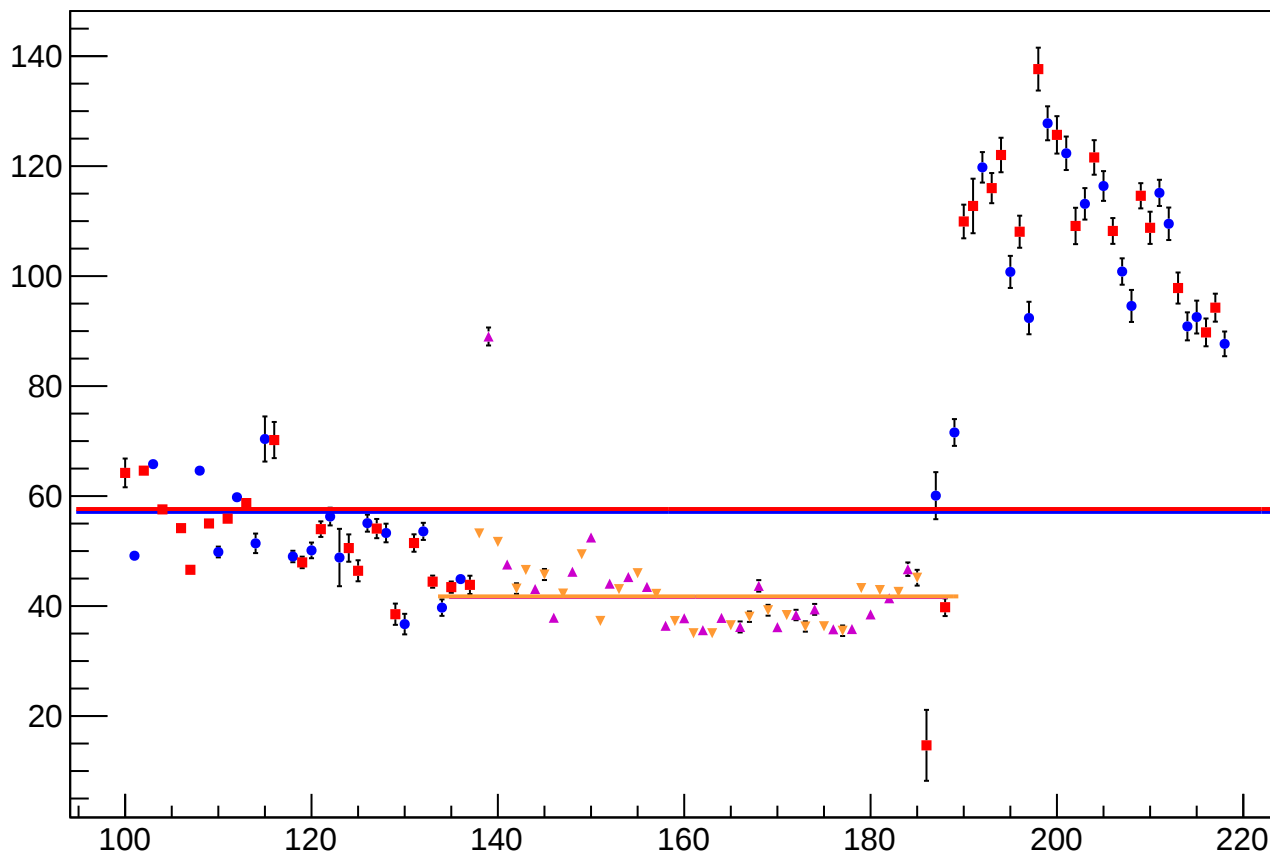
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 20.619 $\pm$ 0.190 χ^2 /NDF: 855.7/40

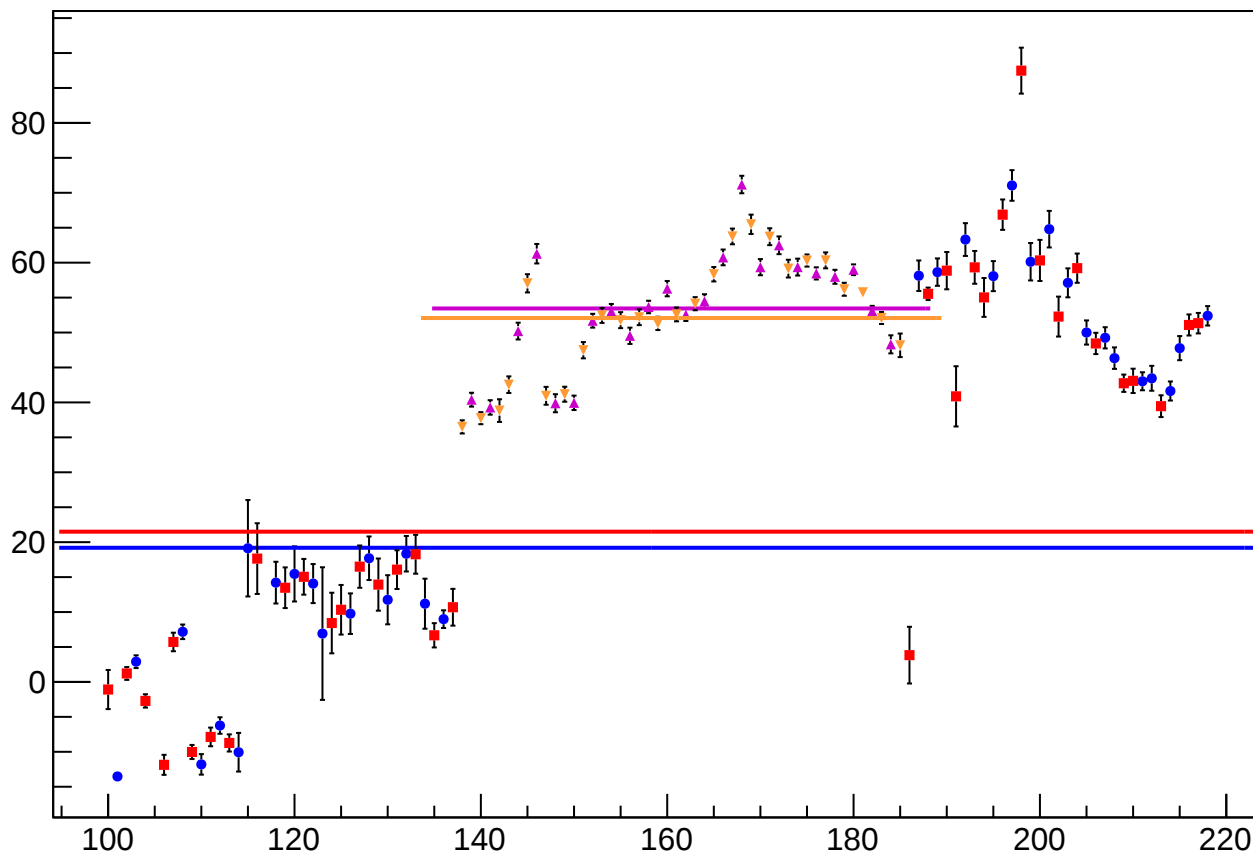
All: 20.313 $\pm$ 0.136 χ^2 /NDF: 1940.9/80

- sign 19.989 $\pm$ 0.195 χ^2 /NDF: 1079.8/39

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: 21.504 $\pm$ 0.285 χ^2 /NDF: 9320.5/35

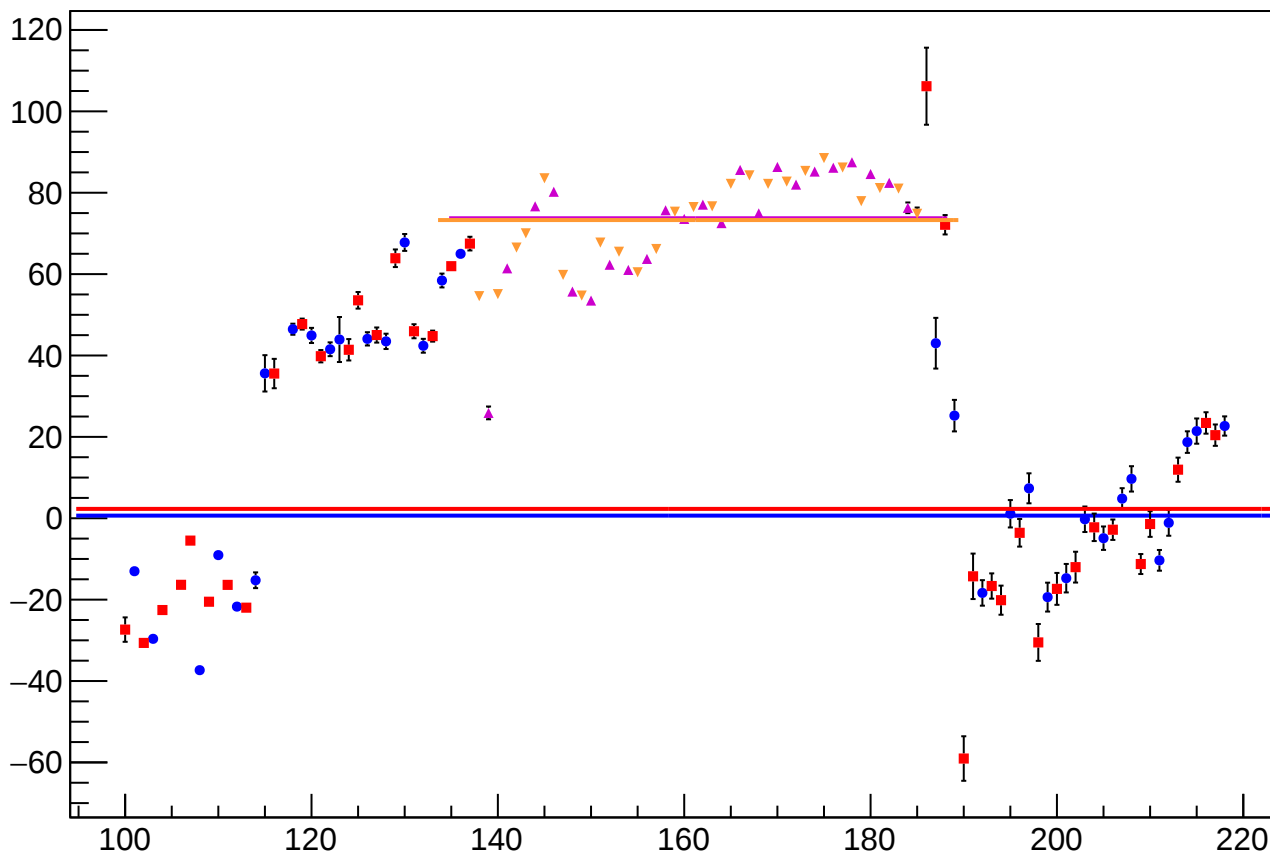
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 40.323 $\pm$ 0.168 χ^2 /NDF: 20052.2/57

All: 41.055 $\pm$ 0.120 χ^2 /NDF: 38591.7/116

- sign 41.816 $\pm$ 0.172 χ^2 /NDF: 18501.0/58

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: 2.303 ± 0.253 χ^2/NDF : 16860.8/35

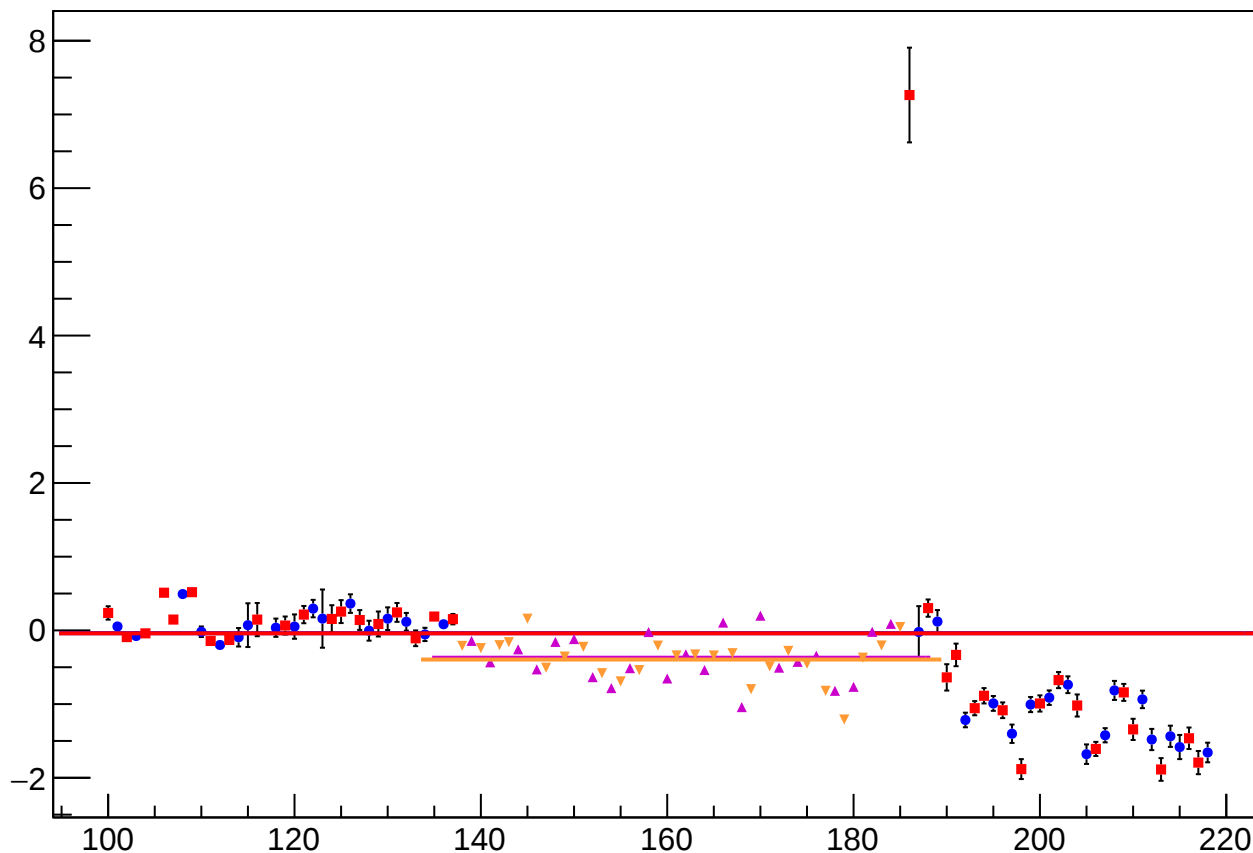
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 45.274 ± 0.146 χ^2/NDF : 80032.0/57

All: 46.176 ± 0.106 χ^2/NDF : 150974.7/116

- sign 47.173 ± 0.154 χ^2/NDF : 70862.9/58

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: -0.040 ± 0.010 χ^2/NDF : 2050.4/35

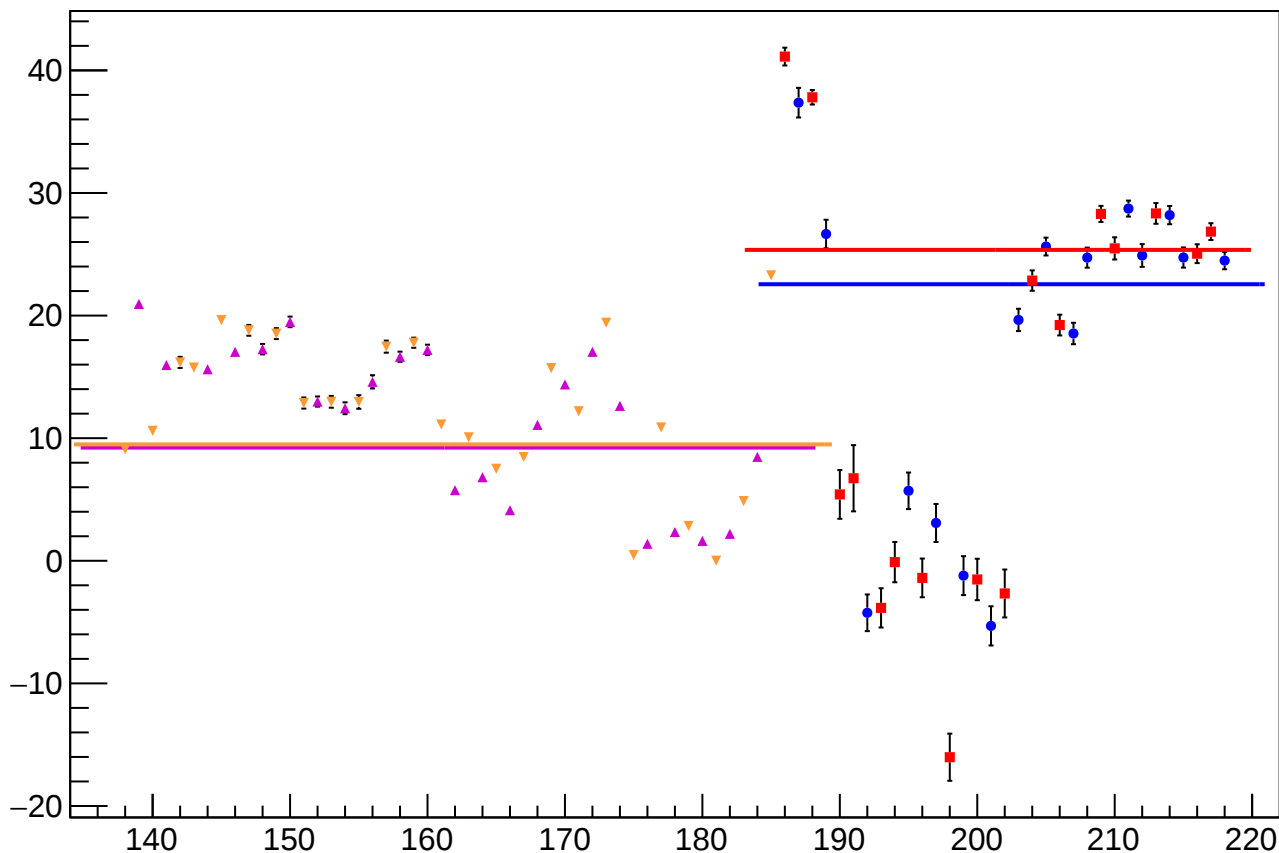
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.251 ± 0.007 χ^2/NDF : 3667.1/57

All: -0.243 ± 0.005 χ^2/NDF : 7630.3/116

- sign -0.234 ± 0.007 χ^2/NDF : 3959.8/58

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 22.558 ± 0.234 χ^2/NDF : 1521.1/15

Left Out: 9.495 ± 0.061 χ^2/NDF : 12609.1/24

Right Out: 25.359 ± 0.231 χ^2/NDF : 2942.9/16

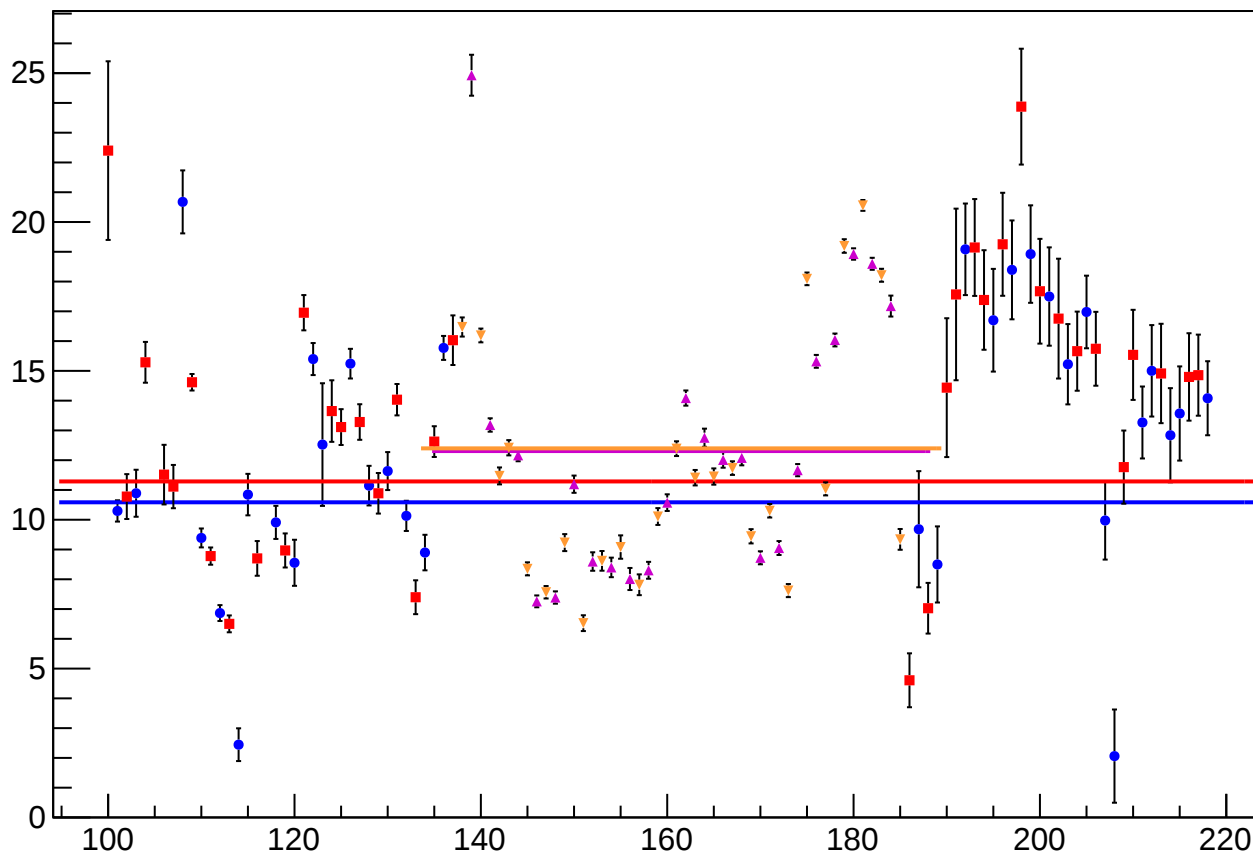
Left In: 9.231 ± 0.063 χ^2/NDF : 10736.2/22

+ sign 10.331 ± 0.059 χ^2/NDF : 17041.3/40

All: 10.341 ± 0.042 χ^2/NDF : 35272.8/80

- sign 10.352 ± 0.061 χ^2/NDF : 18231.4/39

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.585 ± 0.114 $\chi^2/\text{NDF}: 1081.5/32$

Left Out: 12.397 ± 0.050 $\chi^2/\text{NDF}: 7542.8/24$

Right Out: 11.286 ± 0.110 $\chi^2/\text{NDF}: 1074.8/35$

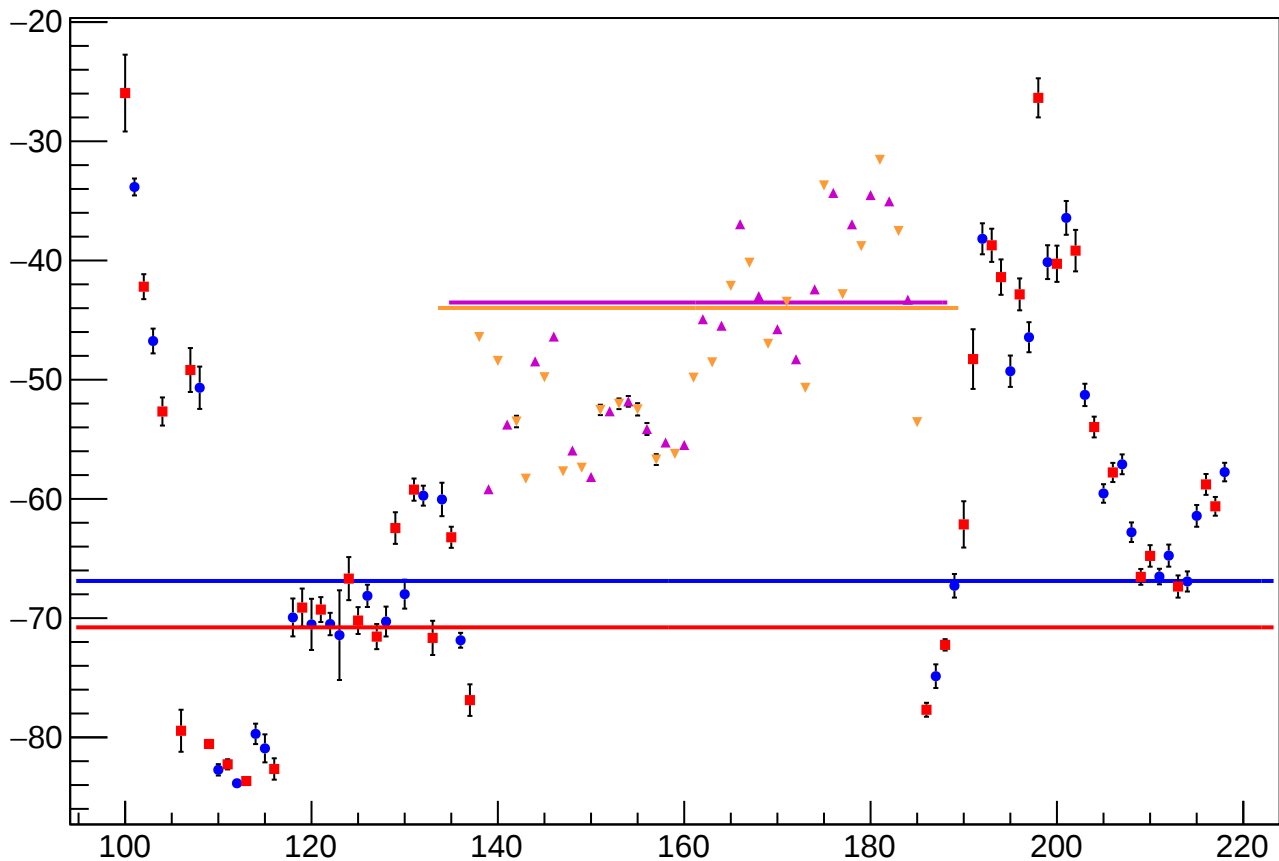
Left In: 12.307 ± 0.051 $\chi^2/\text{NDF}: 5601.8/22$

+ sign 12.106 ± 0.046 $\chi^2/\text{NDF}: 8837.5/57$

All: 12.116 ± 0.033 $\chi^2/\text{NDF}: 15584.6/116$

- sign 12.126 ± 0.046 $\chi^2/\text{NDF}: 6747.0/58$

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: -70.773 ± 0.140 $\chi^2/\text{NDF}: 8459.2/35$

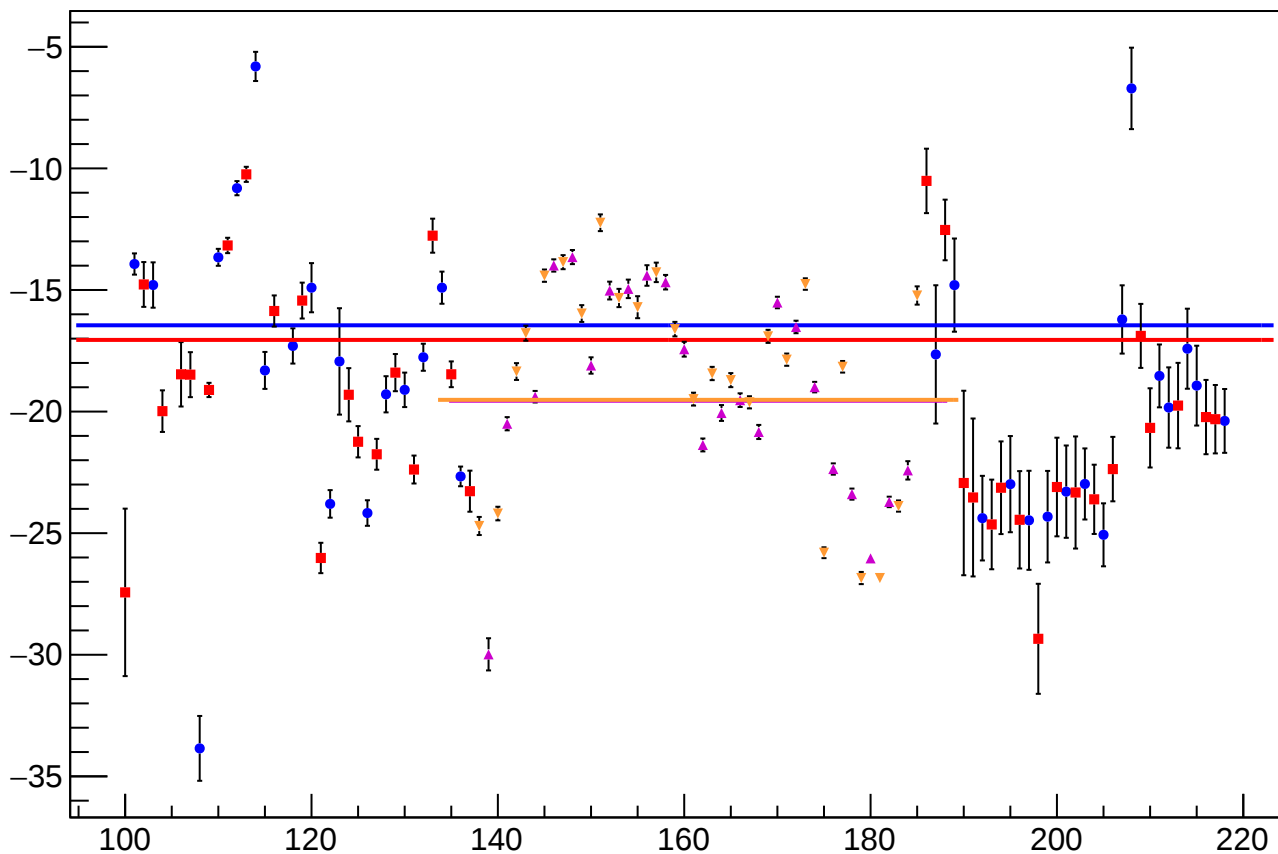
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -47.270 ± 0.057 $\chi^2/\text{NDF}: 46168.8/57$

All: -47.719 ± 0.041 $\chi^2/\text{NDF}: 101618.5/116$

- sign -48.173 ± 0.058 $\chi^2/\text{NDF}: 55326.4/58$

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: -17.053 ± 0.122 $\chi^2/\text{NDF}: 1400.5/35$

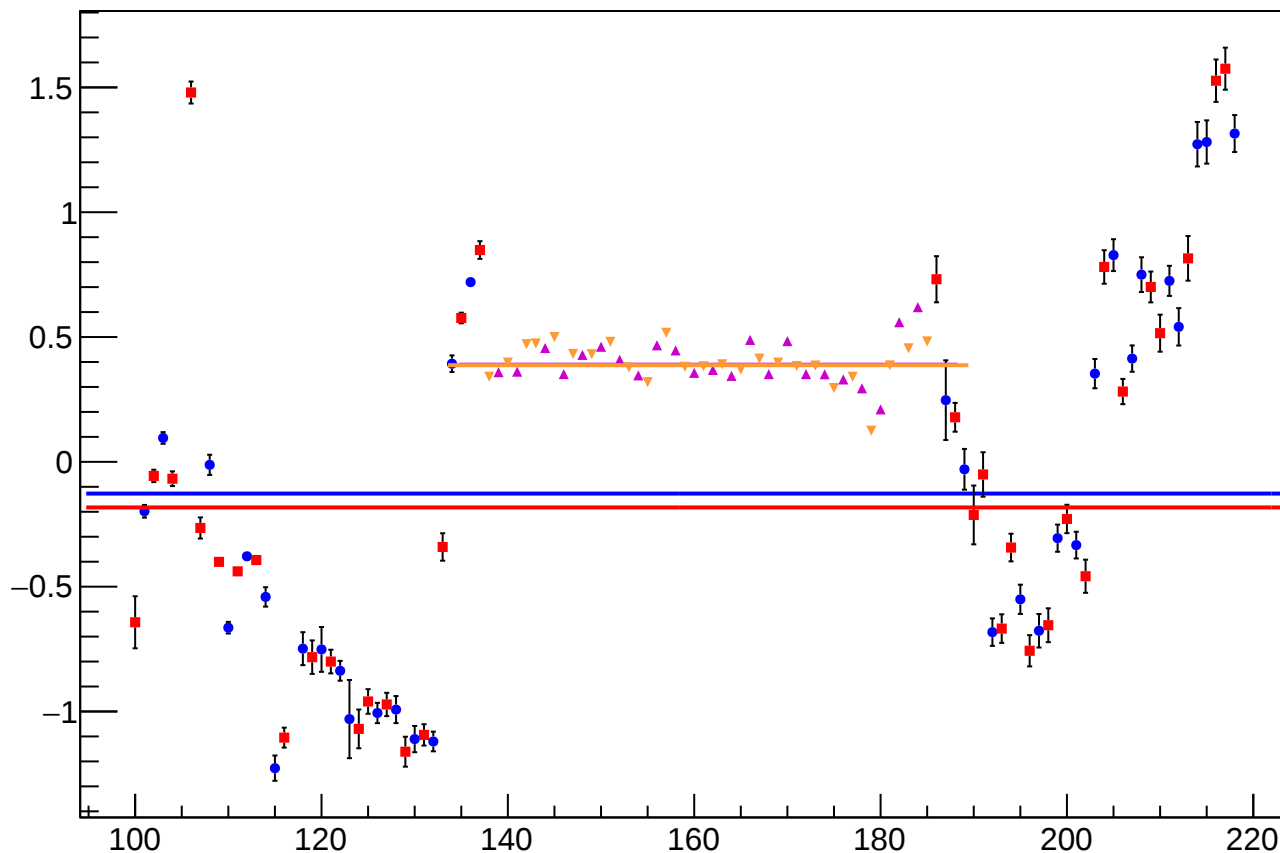
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.017 ± 0.051 $\chi^2/\text{NDF}: 8834.4/57$

All: -19.060 ± 0.036 $\chi^2/\text{NDF}: 14890.4/116$

- sign -19.104 ± 0.052 $\chi^2/\text{NDF}: 6054.6/58$

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: -0.183 ± 0.007 χ^2/NDF : 8154.8/35

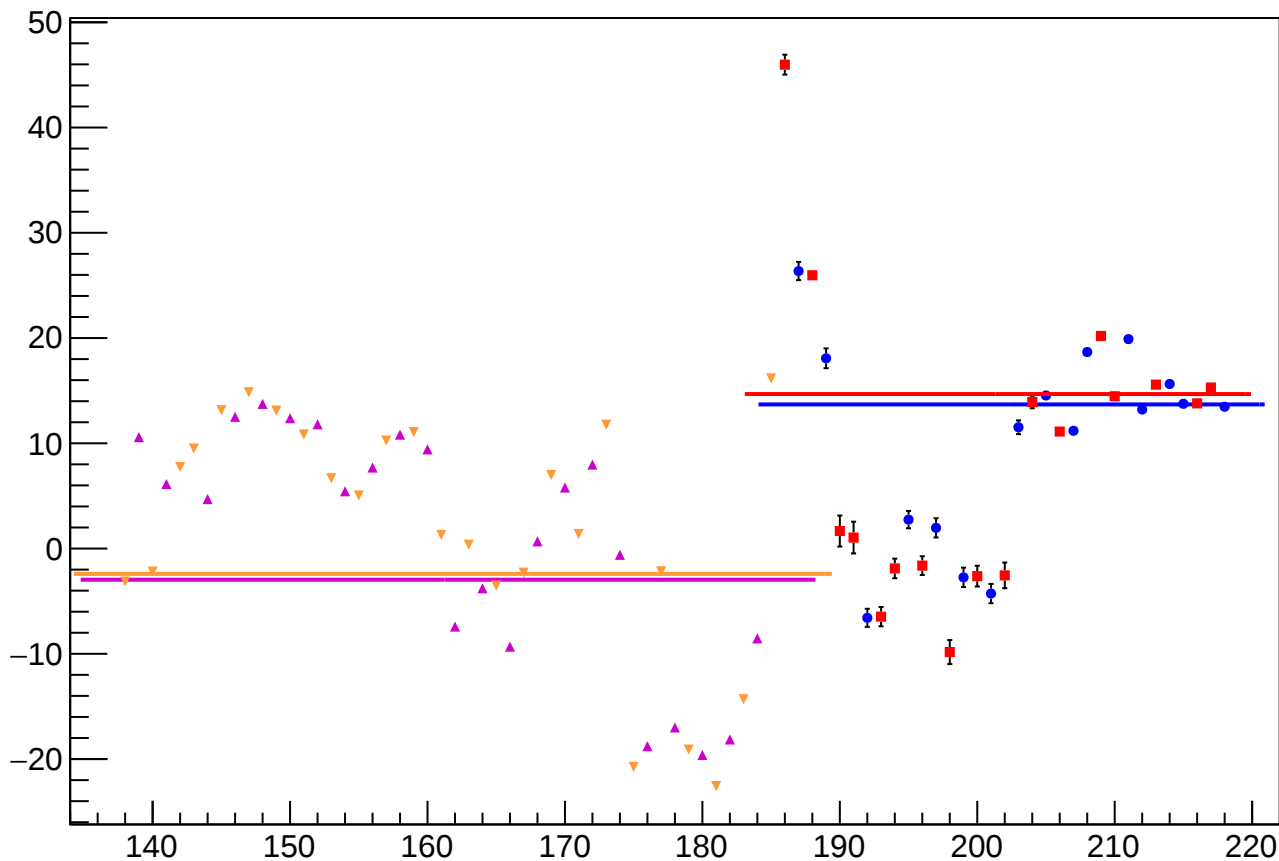
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.324 ± 0.002 χ^2/NDF : 14297.8/57

All: 0.318 ± 0.002 χ^2/NDF : 30242.5/116

- sign 0.311 ± 0.002 χ^2/NDF : 15929.2/58

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.693+/-0.127 χ^2/NDF : 2374.8/15

Left Out: -2.407+/-0.053 χ^2/NDF : 56368.5/24

Right Out: 14.679+/-0.132 χ^2/NDF : 4439.8/16

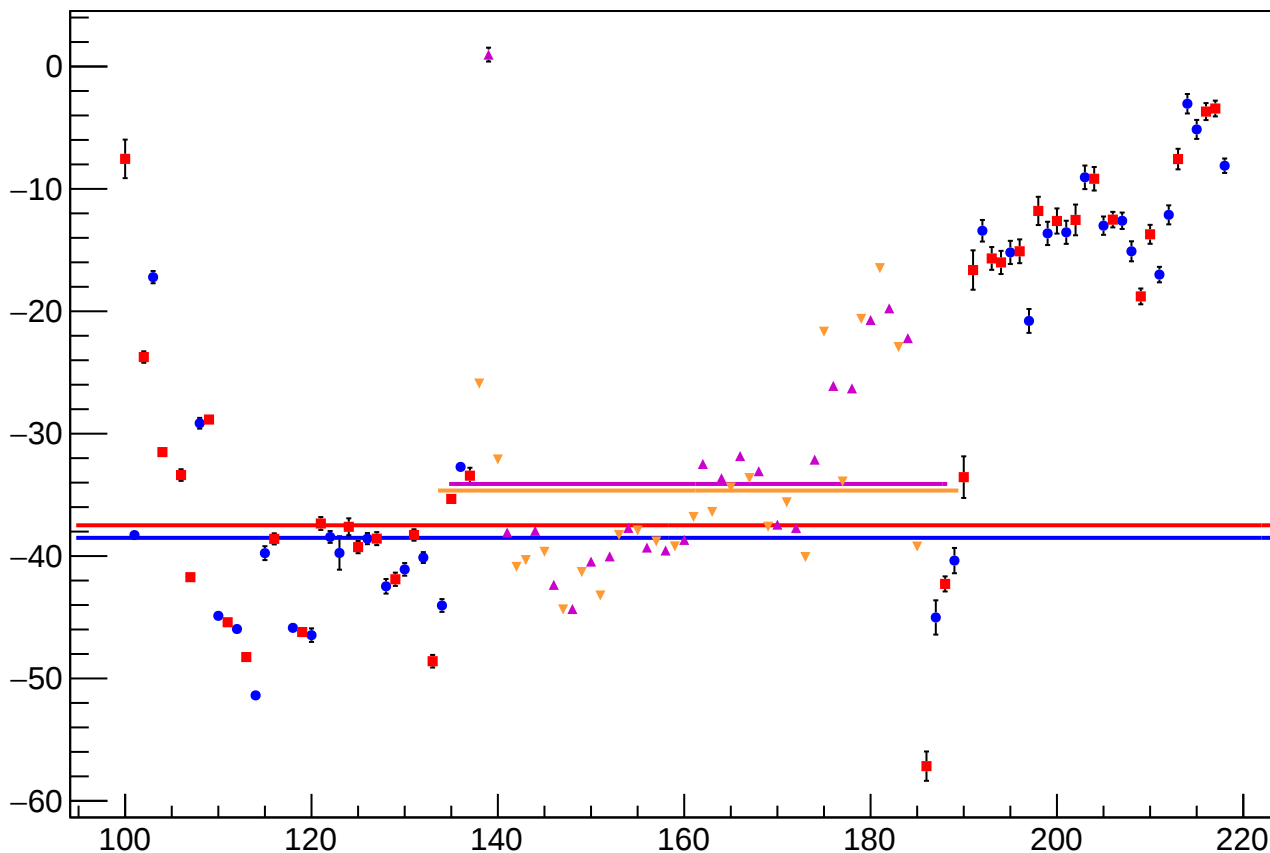
Left In: -2.959+/-0.055 χ^2/NDF : 45922.6/22

+ sign -0.047+/-0.049 χ^2/NDF : 72383.4/40

All: -0.199+/-0.035 χ^2/NDF : 137986.9/80

- sign -0.362+/-0.051 χ^2/NDF : 65583.4/39

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: -37.485 ± 0.069 χ^2/NDF : 26768.6/35

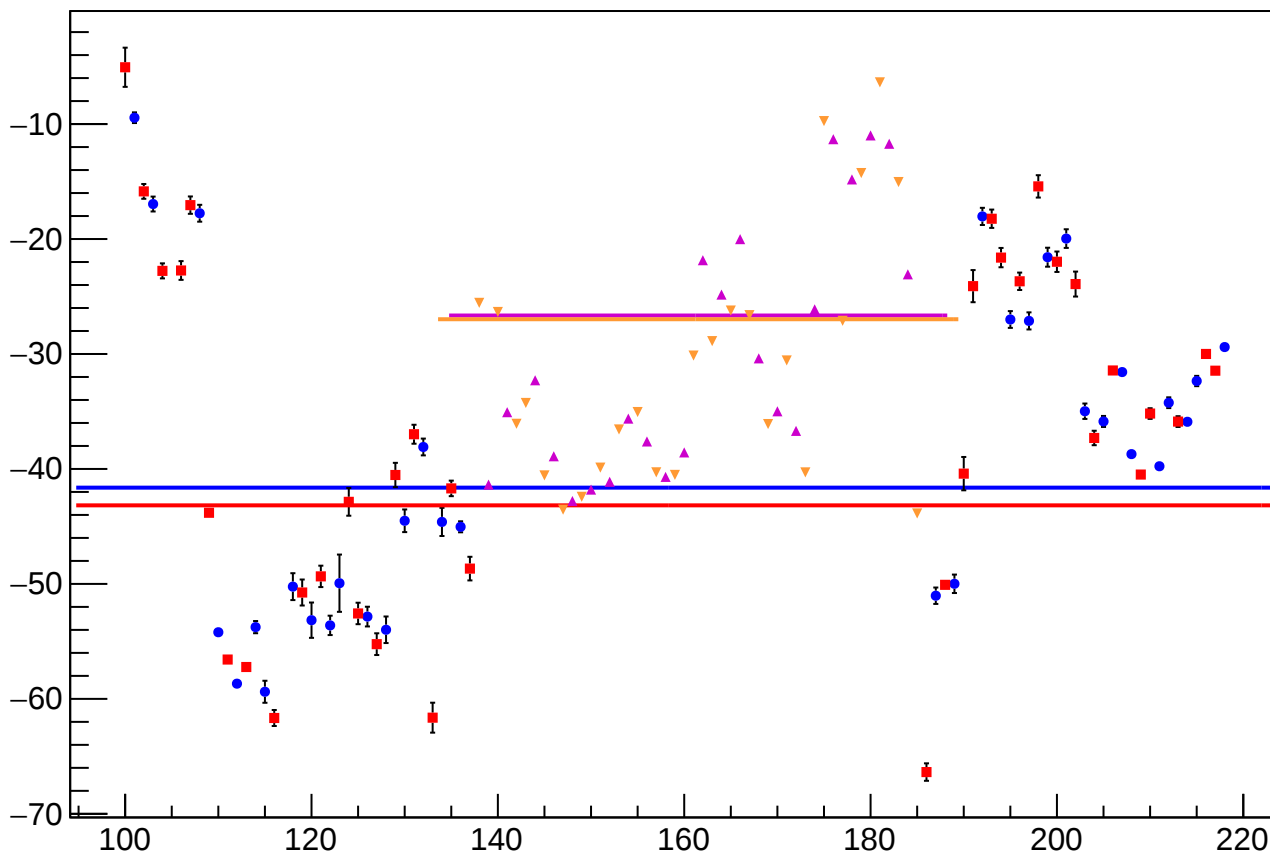
Left In: -34.108 ± 0.044 χ^2/NDF : 29052.8/22

+ sign -35.599 ± 0.036 χ^2/NDF : 61849.9/57

All: -35.350 ± 0.026 χ^2/NDF : 119482.7/116

- sign -35.089 ± 0.037 χ^2/NDF : 57536.0/58

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -41.626 ± 0.090 $\chi^2/\text{NDF}: 24101.7/32$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -43.166 ± 0.083 $\chi^2/\text{NDF}: 22863.9/35$

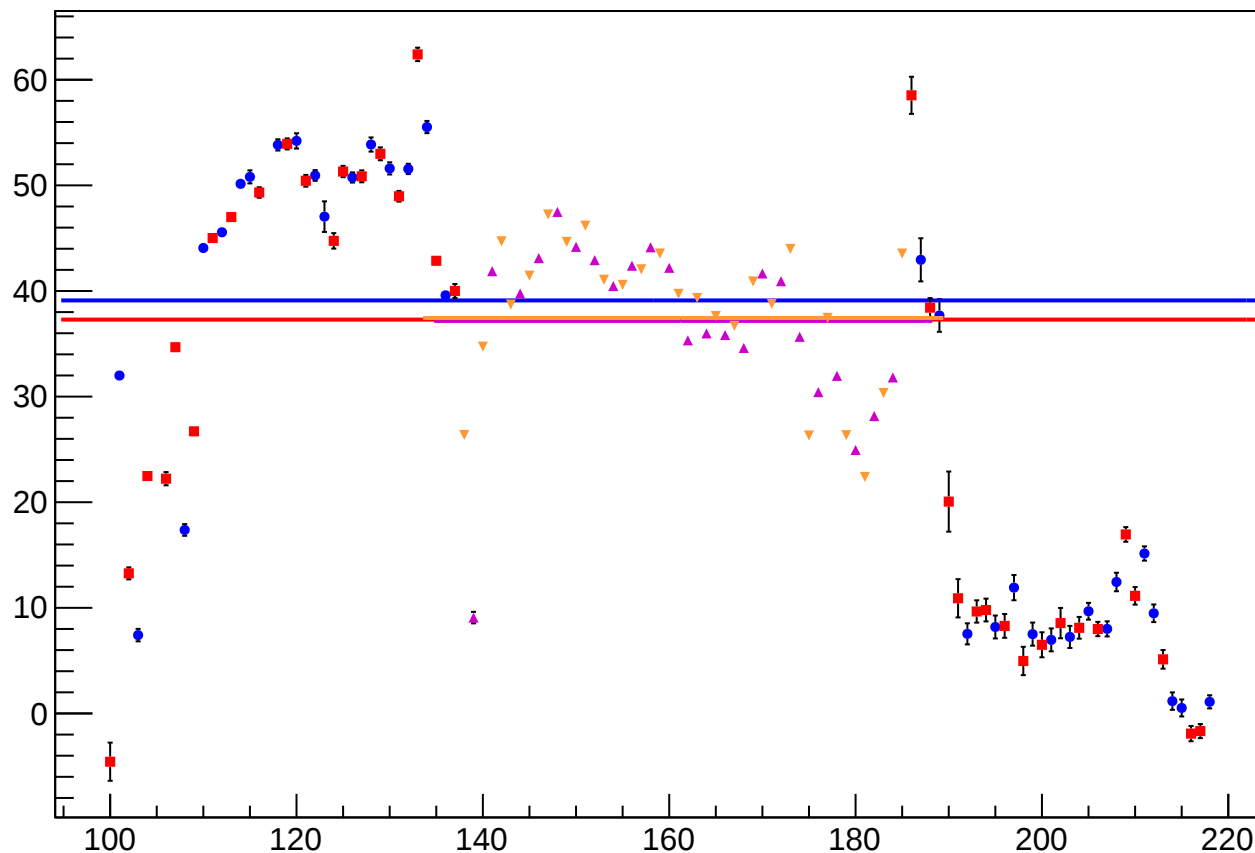
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.797 ± 0.046 $\chi^2/\text{NDF}: 93239.6/57$

All: -31.236 ± 0.032 $\chi^2/\text{NDF}: 185873.5/116$

- sign -31.676 ± 0.046 $\chi^2/\text{NDF}: 92449.7/58$

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: 37.290 $\pm$ 0.076 χ^2 /NDF: 35466.3/35

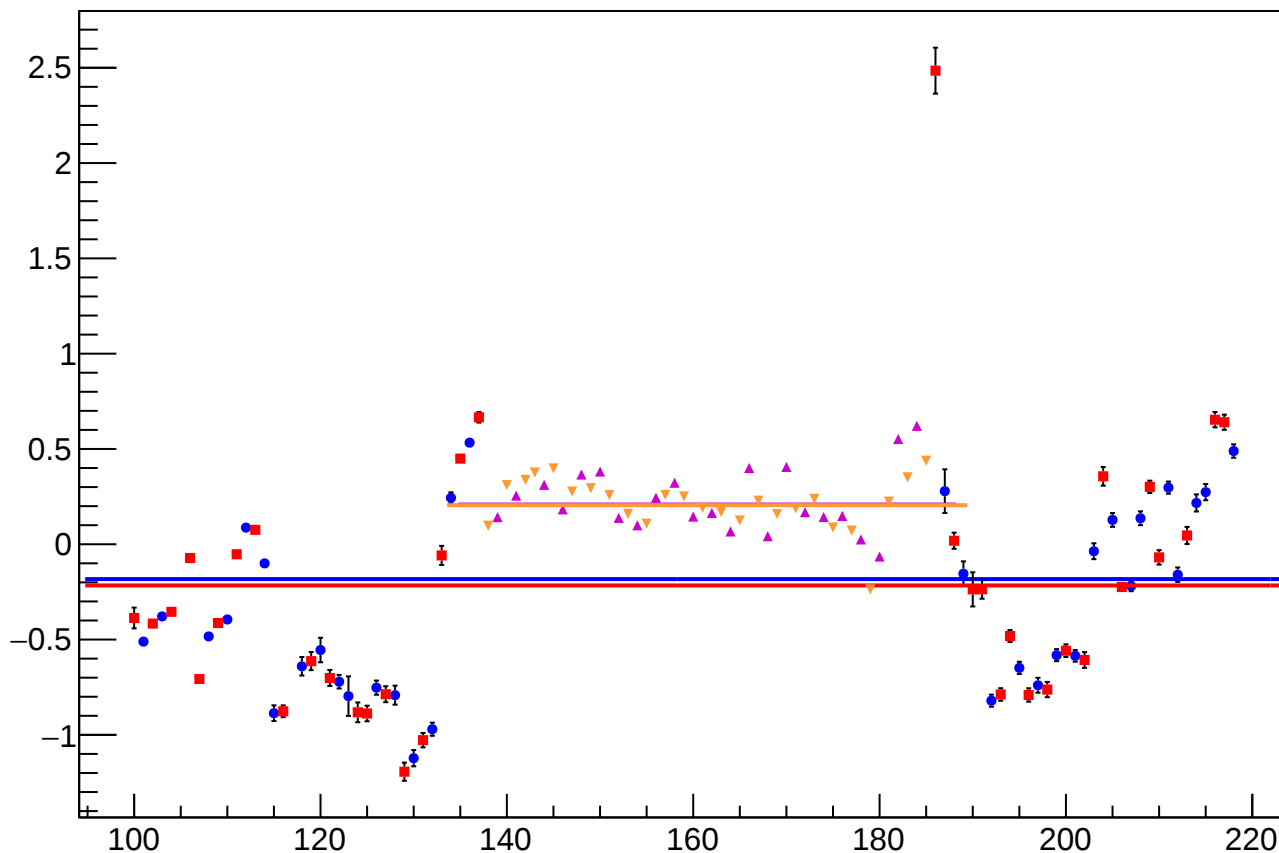
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 37.866 $\pm$ 0.041 χ^2 /NDF: 55033.4/57

All: 37.540 $\pm$ 0.029 χ^2 /NDF: 107868.0/116

- sign 37.205 $\pm$ 0.041 χ^2 /NDF: 52704.9/58

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.183 ± 0.004 χ^2/NDF : 9480.2/32

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.216 ± 0.004 χ^2/NDF : 10345.3/35

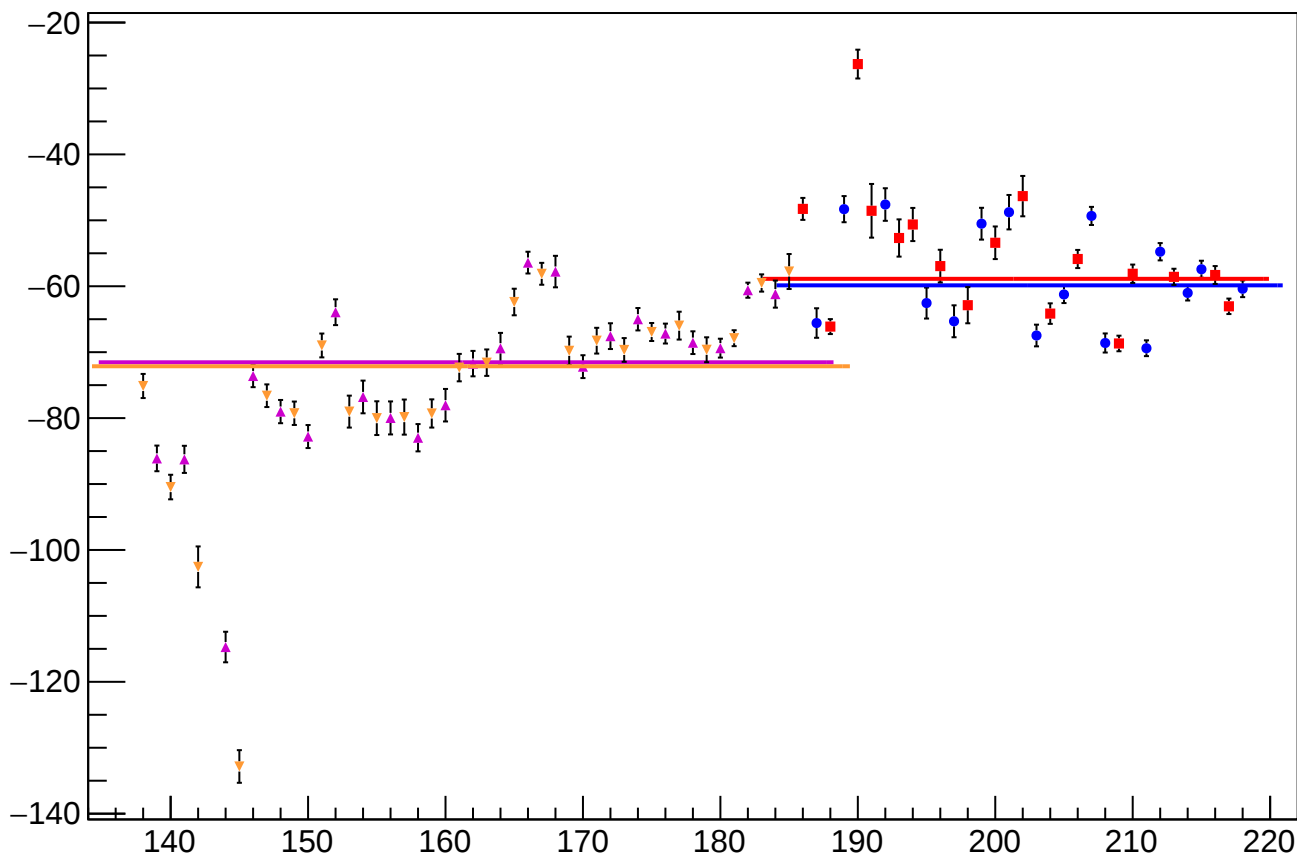
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.125 ± 0.002 χ^2/NDF : 19831.7/57

All: 0.114 ± 0.001 χ^2/NDF : 44186.2/116

- sign 0.103 ± 0.002 χ^2/NDF : 24289.1/58

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: -58.874 +/- 0.396 χ^2/NDF : 448.0/16

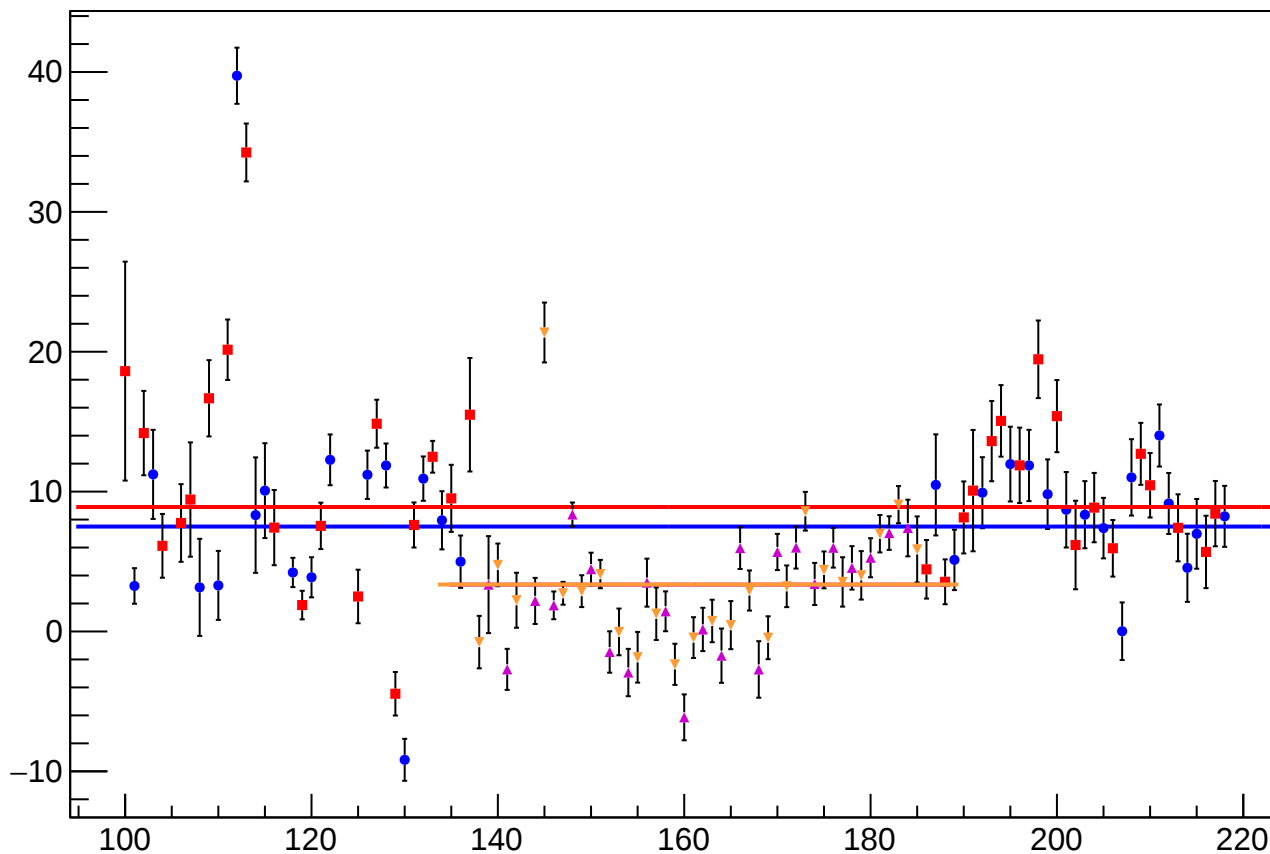
Left In: -71.534 +/- 0.382 χ^2/NDF : 851.4/22

+ sign -66.145 +/- 0.274 χ^2/NDF : 1928.8/39

All: -65.795 +/- 0.194 χ^2/NDF : 3760.8/79

- sign -65.443 +/- 0.275 χ^2/NDF : 1828.7/39

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.500 ± 0.356 χ^2/NDF : 476.6/31

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 8.898 ± 0.356 χ^2/NDF : 404.3/34

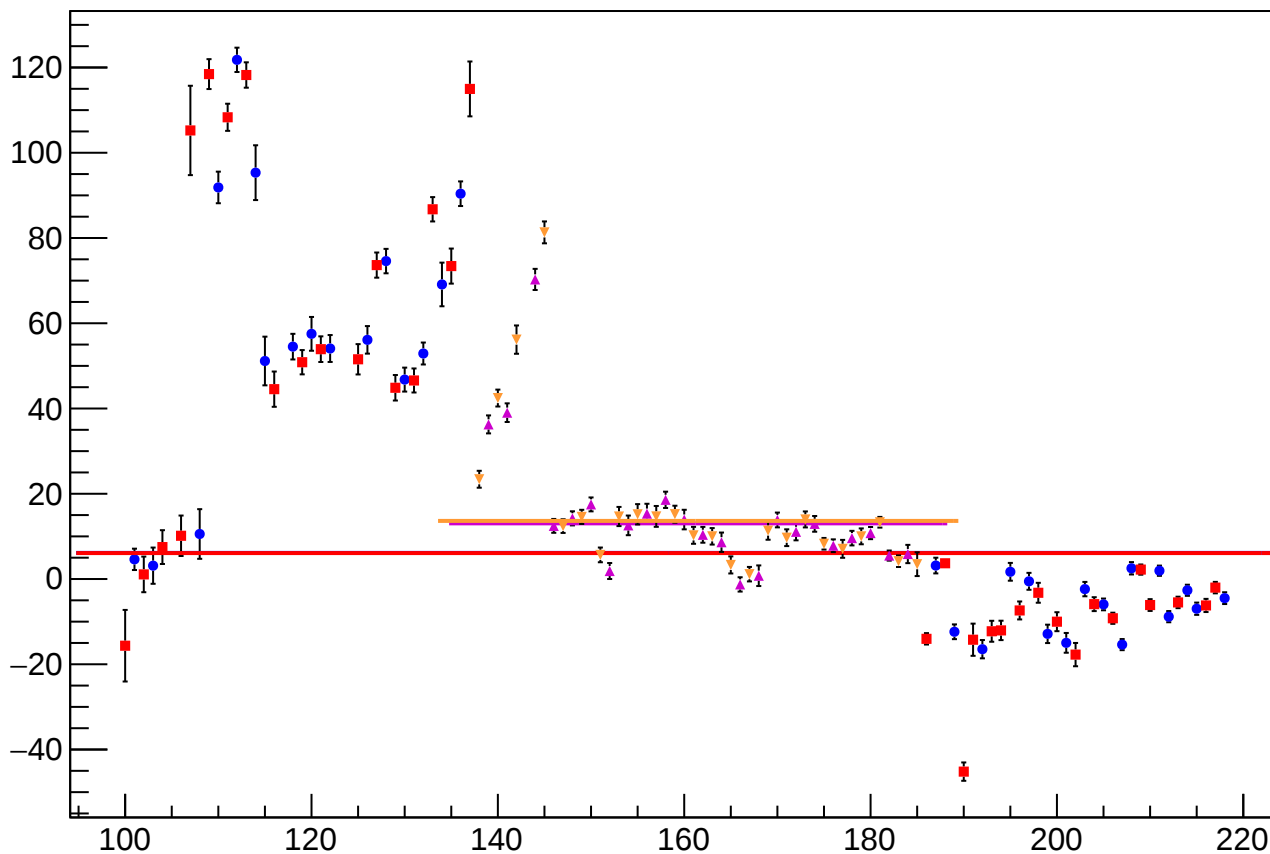
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 5.045 ± 0.227 χ^2/NDF : 724.7/55

All: 5.339 ± 0.161 χ^2/NDF : 1438.7/113

- sign 5.637 ± 0.229 χ^2/NDF : 710.6/57

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 6.125 ± 0.354 χ^2/NDF : 6553.3/31

Left Out: 13.632 ± 0.382 χ^2/NDF : 1300.0/23

Right Out: 6.085 ± 0.348 χ^2/NDF : 8163.6/34

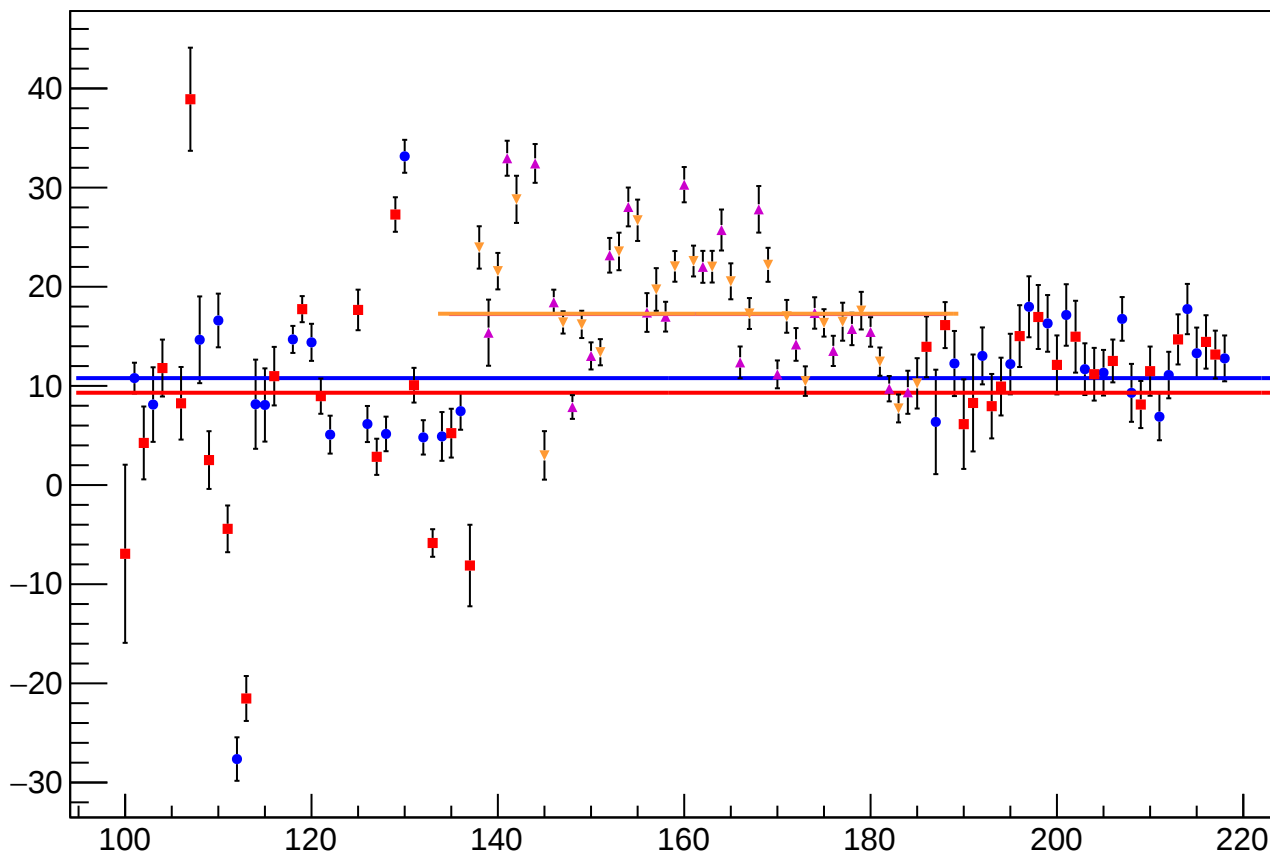
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 9.600 ± 0.260 χ^2/NDF : 8061.0/55

All: 9.433 ± 0.183 χ^2/NDF : 17433.2/113

- sign 9.270 ± 0.257 χ^2/NDF : 9371.4/57

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.785 ± 0.406 $\chi^2/\text{NDF}: 588.5/31$

Left Out: 17.280 ± 0.337 $\chi^2/\text{NDF}: 243.9/23$

Right Out: 9.310 ± 0.412 $\chi^2/\text{NDF}: 617.9/34$

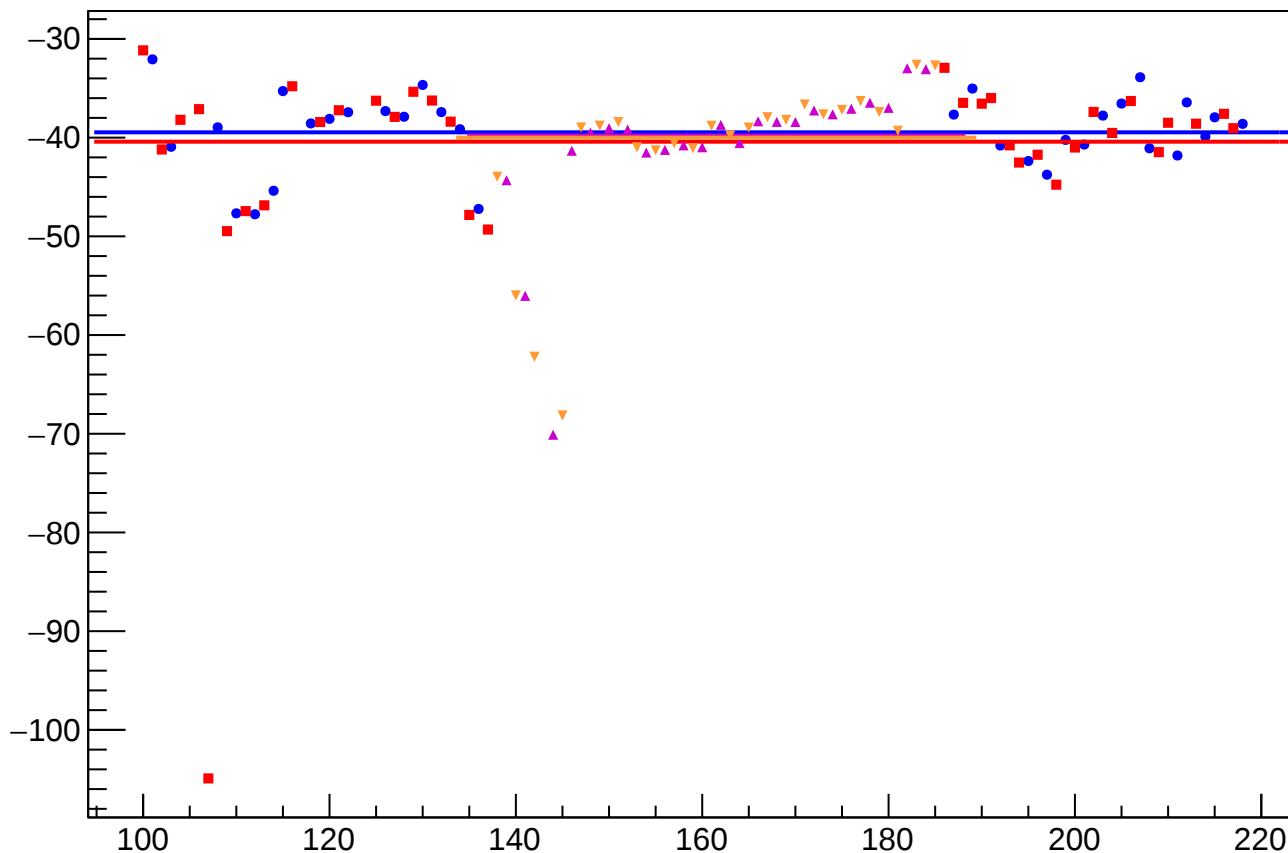
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.626 ± 0.259 $\chi^2/\text{NDF}: 984.0/55$

All: 14.333 ± 0.184 $\chi^2/\text{NDF}: 2266.6/113$

- sign 14.033 ± 0.262 $\chi^2/\text{NDF}: 1280.0/57$

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: -40.412 ± 0.020 χ^2/NDF : 107796.0/34

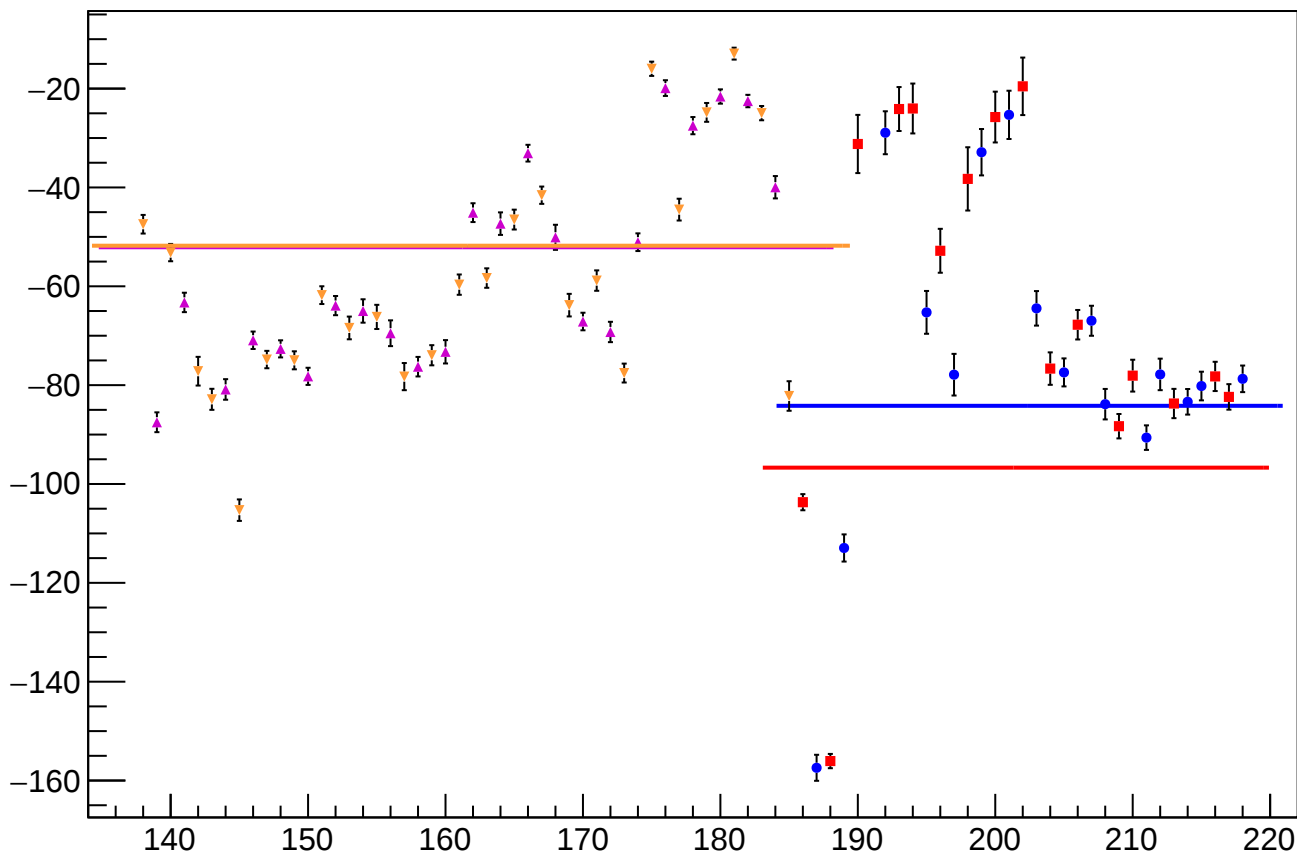
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.796 ± 0.012 χ^2/NDF : 210649.5/55

All: -39.909 ± 0.009 χ^2/NDF : 463706.5/113

- sign -40.020 ± 0.012 χ^2/NDF : 252893.8/57

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: -96.693 ± 0.714 χ^2/NDF : 3114.1/15

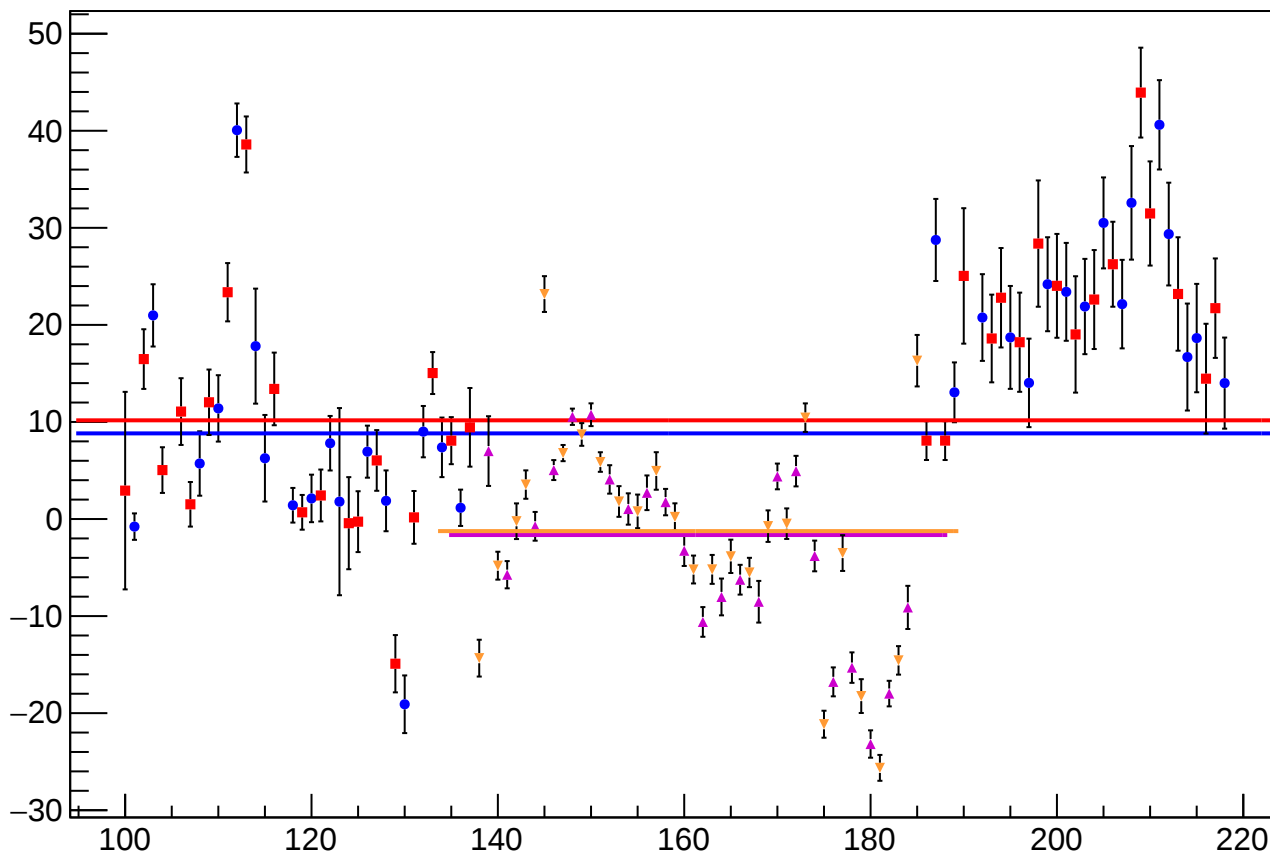
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -57.977 ± 0.344 χ^2/NDF : 6952.8/40

All: -60.148 ± 0.242 χ^2/NDF : 16431.4/79

- sign -62.285 ± 0.341 χ^2/NDF : 9399.6/38

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: 10.168 ± 0.545 $\chi^2/\text{NDF}: 421.4/34$

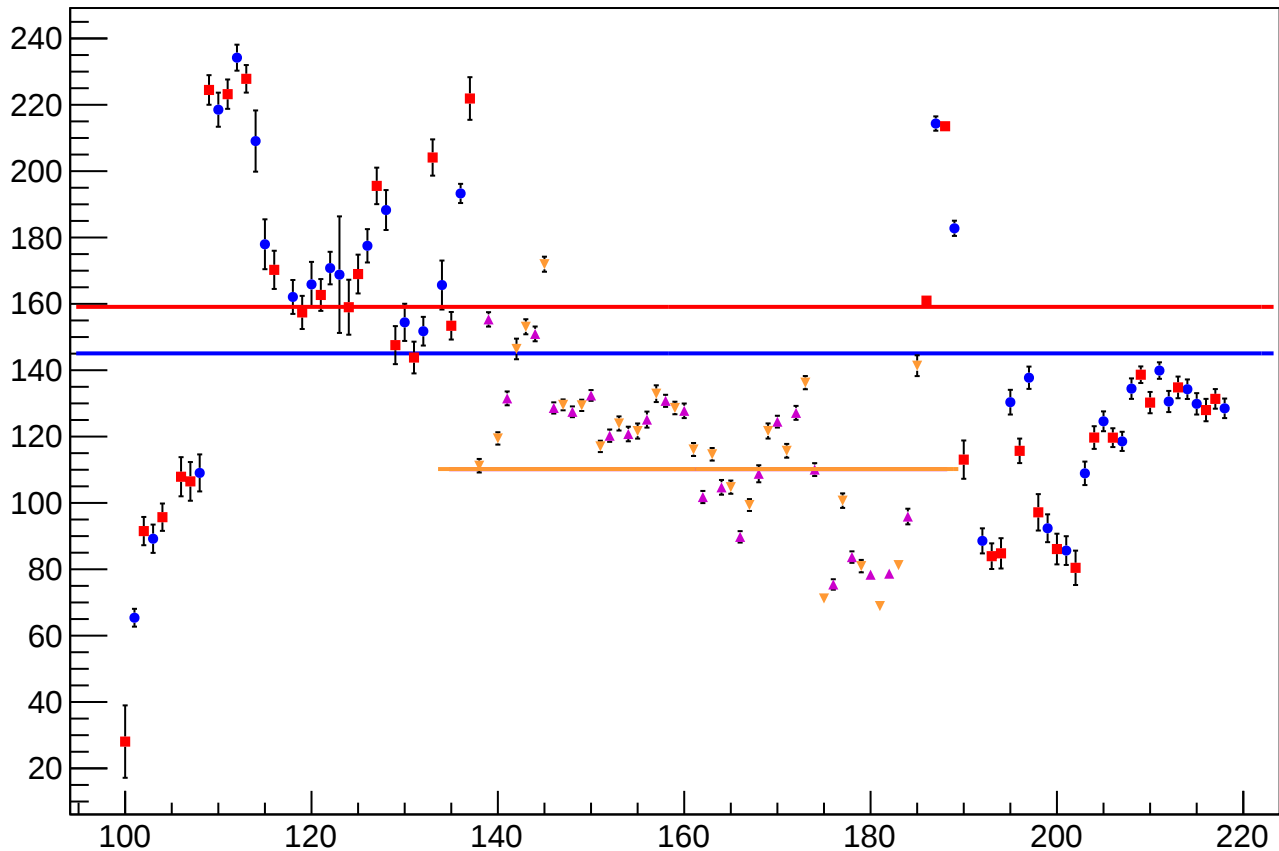
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.944 ± 0.258 $\chi^2/\text{NDF}: 2091.7/57$

All: 1.019 ± 0.184 $\chi^2/\text{NDF}: 3965.8/115$

- sign 1.096 ± 0.263 $\chi^2/\text{NDF}: 1873.9/57$

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: 159.096 ± 0.564 $\chi^2/\text{NDF}: 6073.1/34$

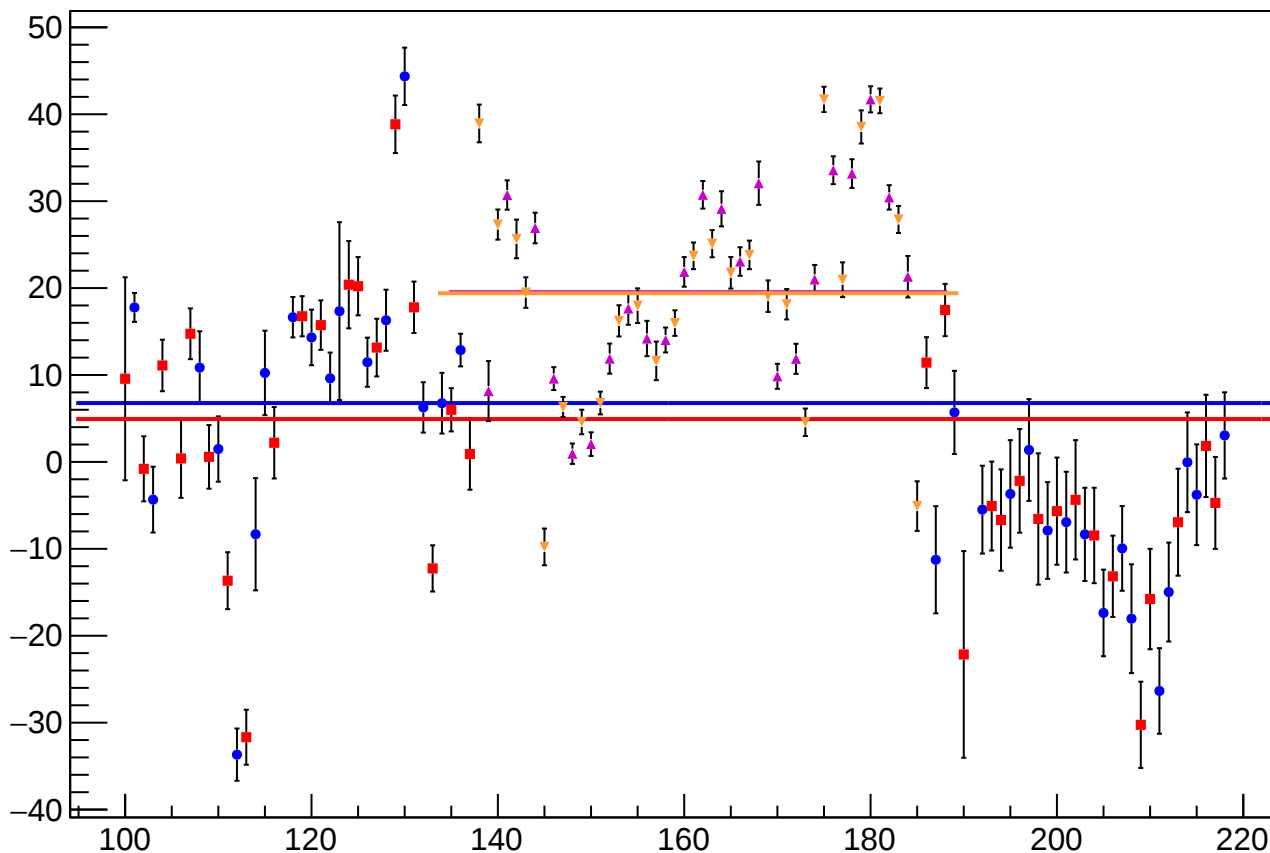
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 119.536 ± 0.327 $\chi^2/\text{NDF}: 11365.0/57$

All: 122.747 ± 0.228 $\chi^2/\text{NDF}: 26458.1/115$

- sign 125.792 ± 0.318 $\chi^2/\text{NDF}: 14905.4/57$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 6.772 $\pm$ 0.637 χ^2/NDF : 573.2/32

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 4.933 $\pm$ 0.643 χ^2/NDF : 566.3/34

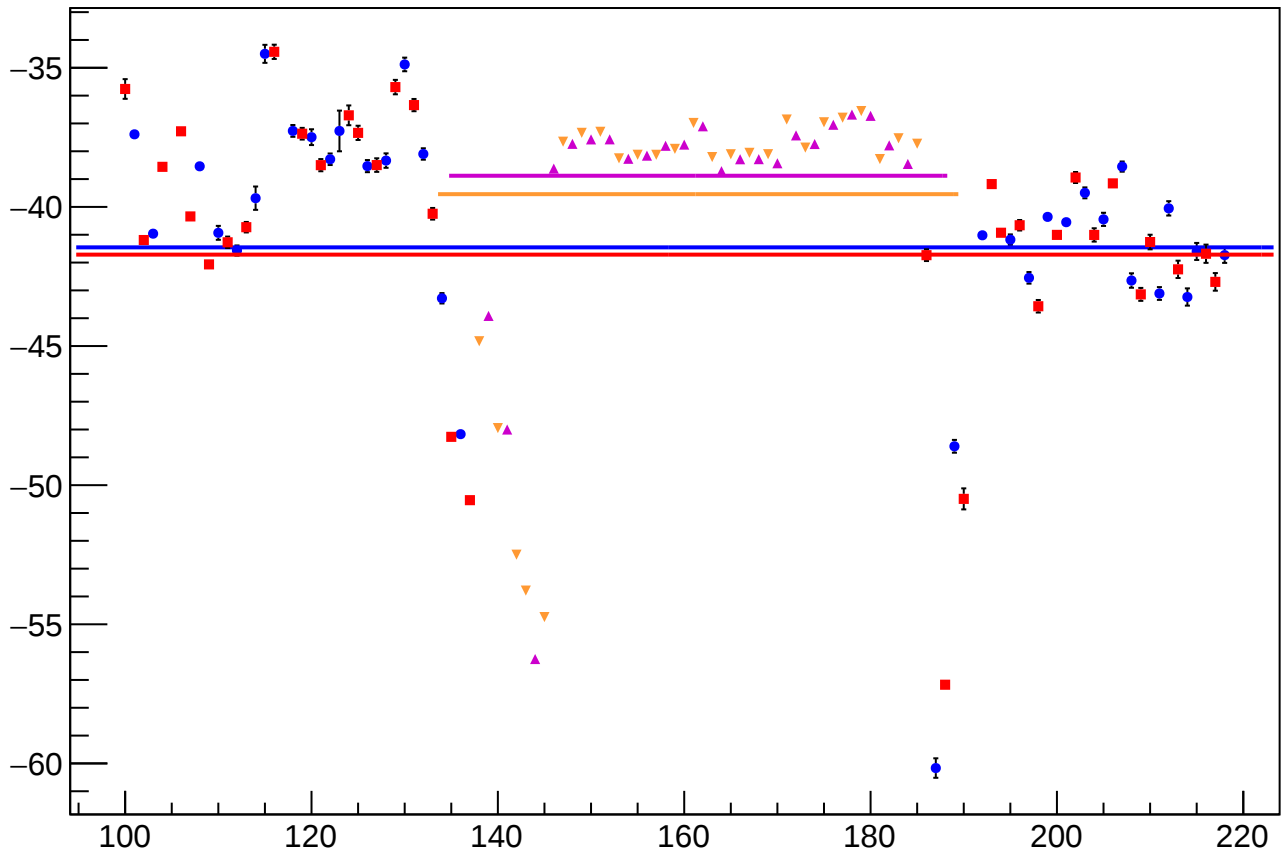
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 16.669 $\pm$ 0.296 χ^2/NDF : 2335.1/57

All: 16.490 $\pm$ 0.212 χ^2/NDF : 4485.1/115

- sign 16.303 $\pm$ 0.302 χ^2/NDF : 2149.2/57

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: -41.715 ± 0.031 χ^2/NDF : 23123.4/34

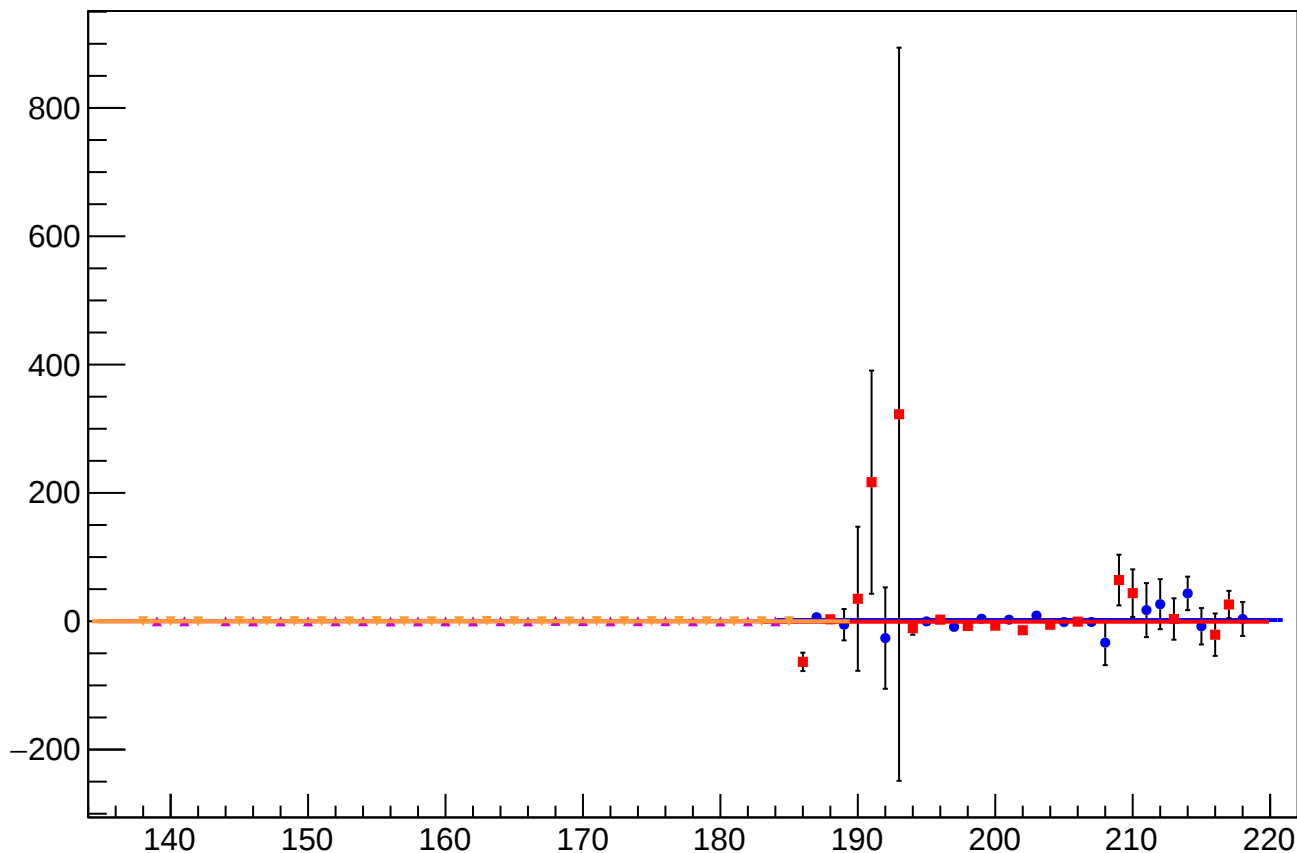
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.927 ± 0.014 χ^2/NDF : 111956.5/57

All: -39.696 ± 0.010 χ^2/NDF : 195600.4/115

- sign -39.463 ± 0.014 χ^2/NDF : 83102.5/57

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: -0.754 ± 1.414 χ^2/NDF : 38.7/16

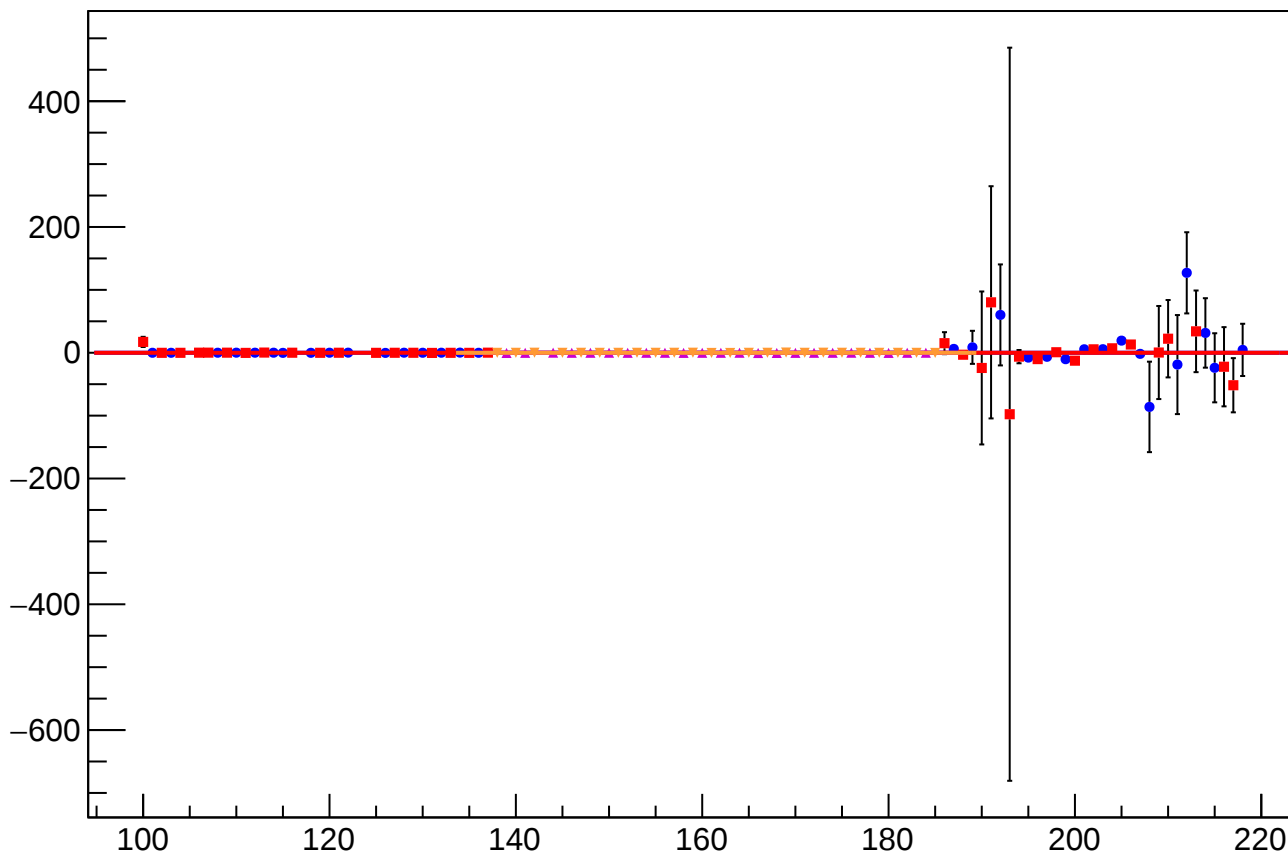
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 56.8/39

All: -0.057 ± 0.016 χ^2/NDF : 133.0/79

- sign -0.026 ± 0.022 χ^2/NDF : 72.2/39

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 : 43.1/34

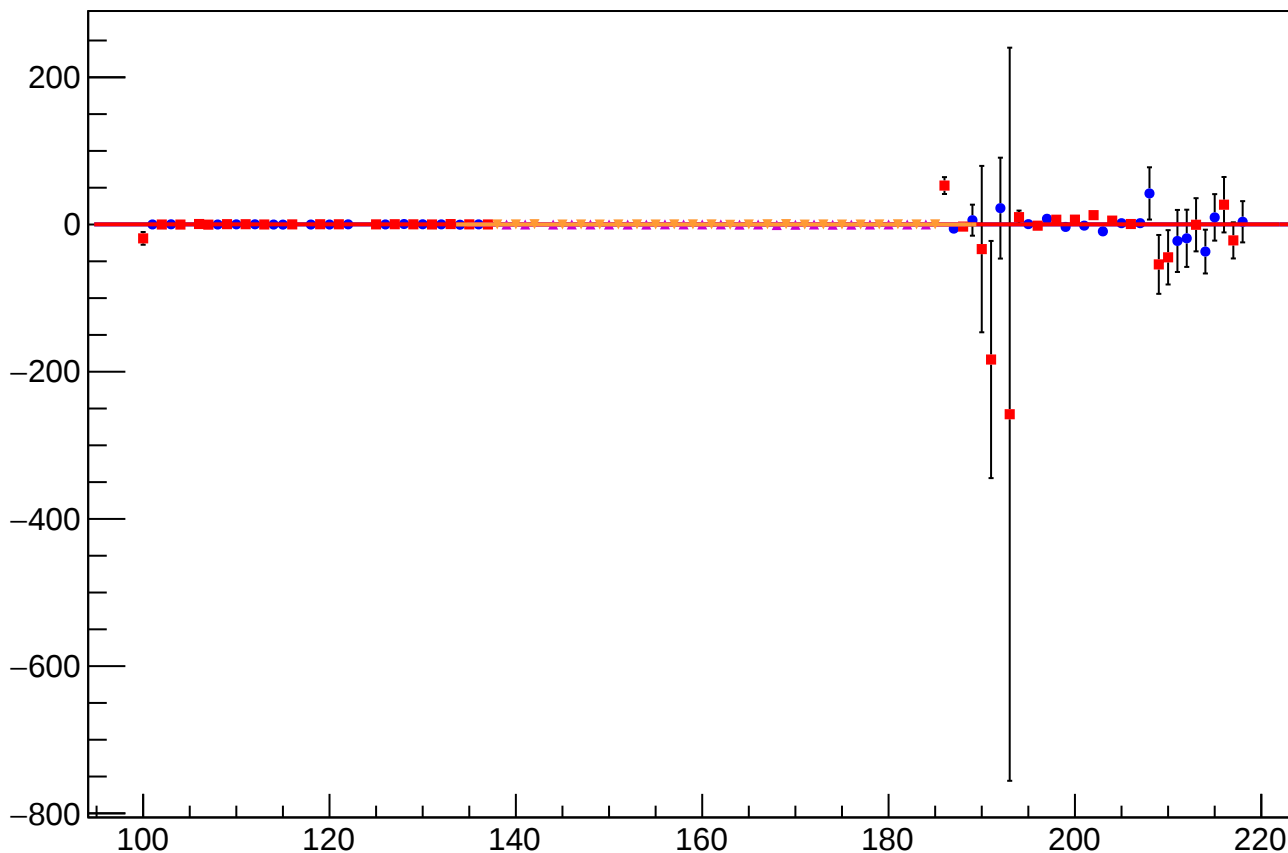
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 69.3/55

All: -0.056 ± 0.011 χ^2/NDF : 144.2/113

- sign -0.052 ± 0.015 χ^2/NDF : 74.8/57

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 : 61.6/34

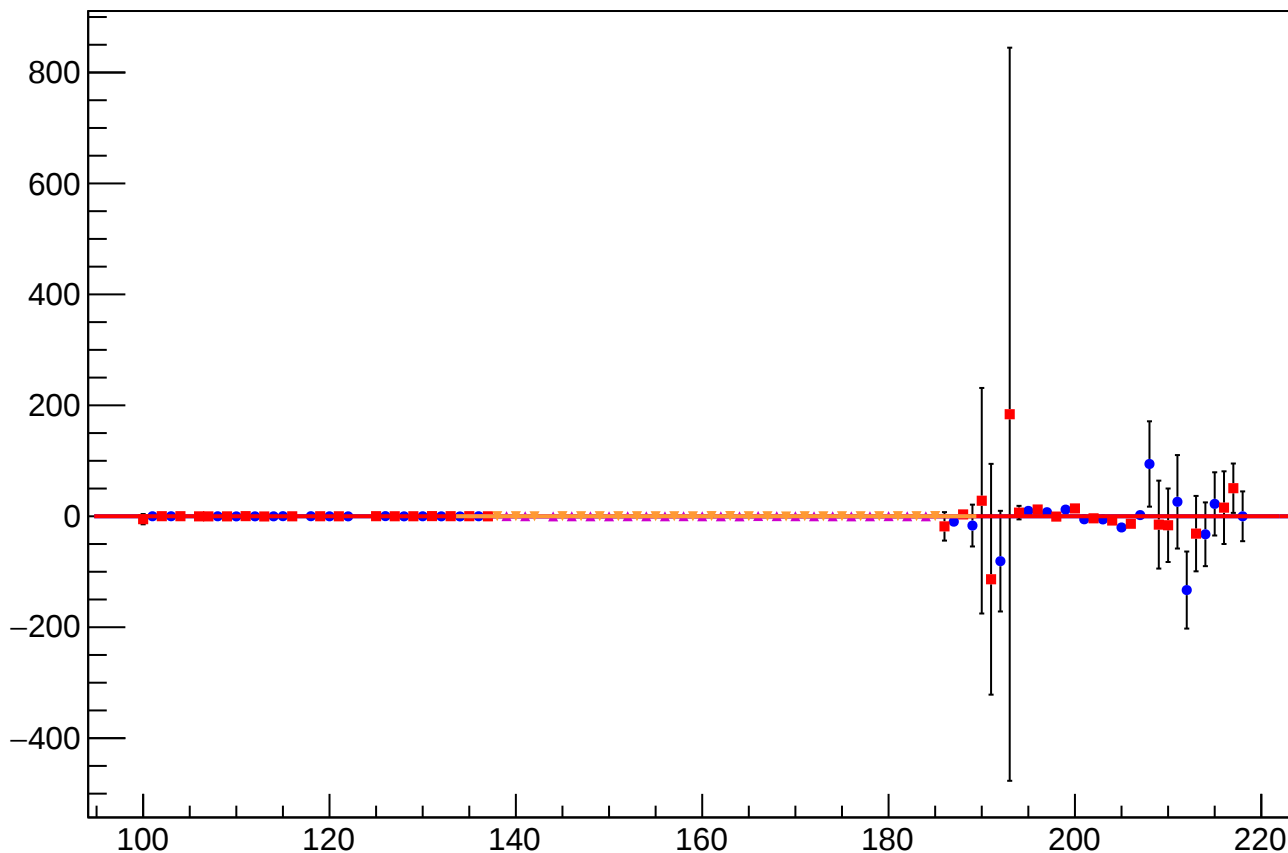
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 71.6/55

All: 0.073 ± 0.014 χ^2/NDF : 184.8/113

- sign 0.051 ± 0.021 χ^2/NDF : 110.8/57

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 : 36.2/34

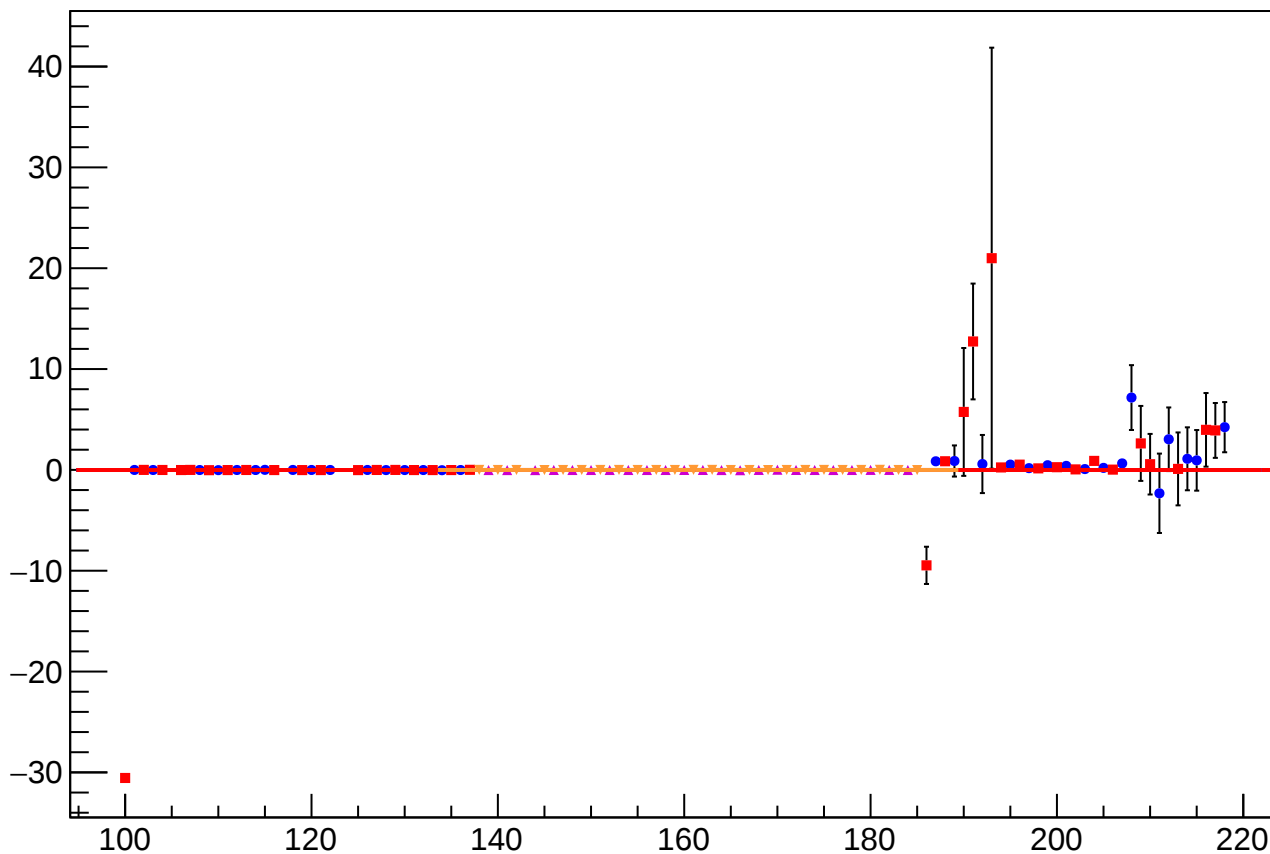
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 77.2/55

All: 0.071 ± 0.012 χ^2/NDF : 145.1/113

- sign 0.066 ± 0.017 χ^2/NDF : 67.7/57

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 : 11958.1/34

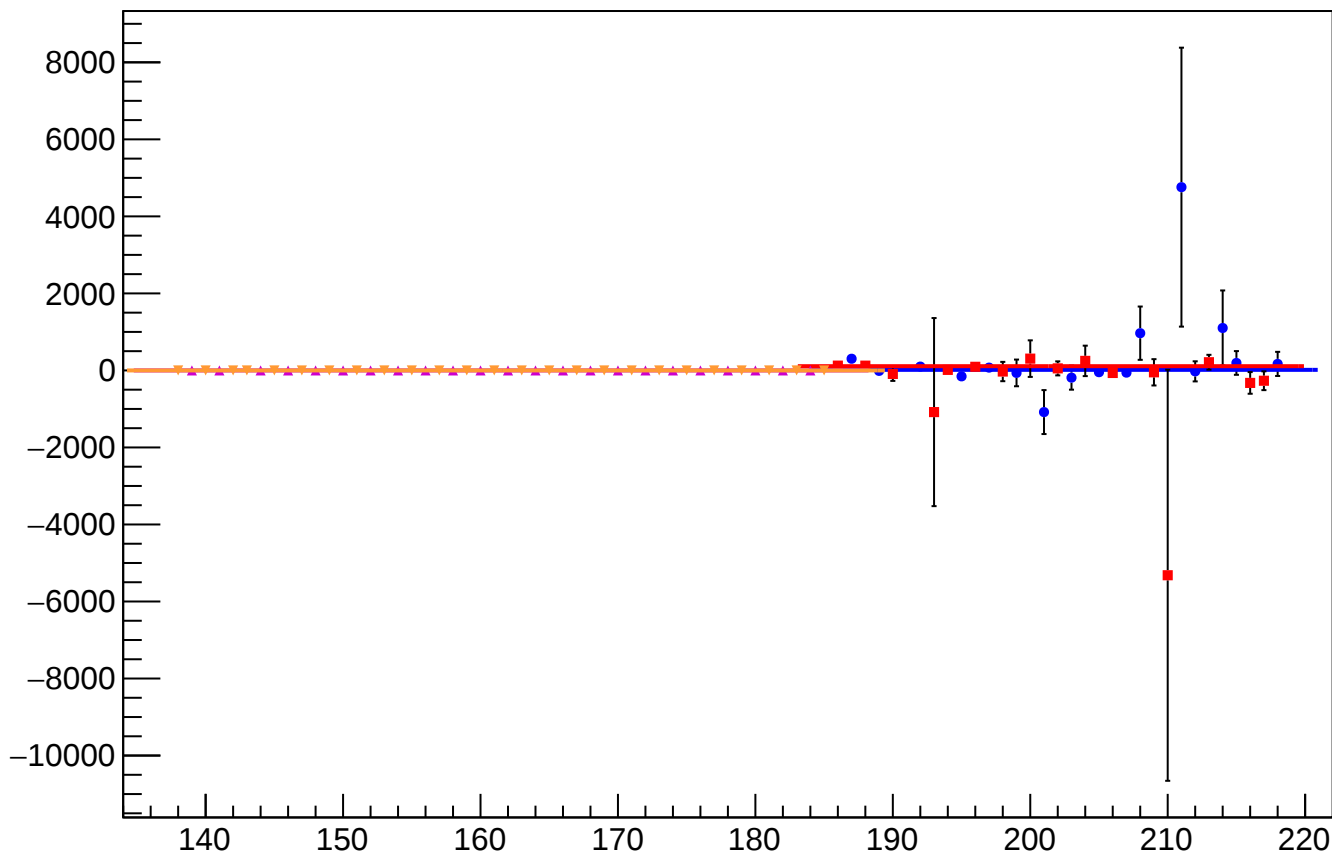
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 84.6/55

All: -0.009 ± 0.001 χ^2/NDF : 12086.3/113

- sign -0.009 ± 0.001 χ^2/NDF : 12001.4/57

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: 110.162+/-16.049 χ^2/NDF : 13.6/15

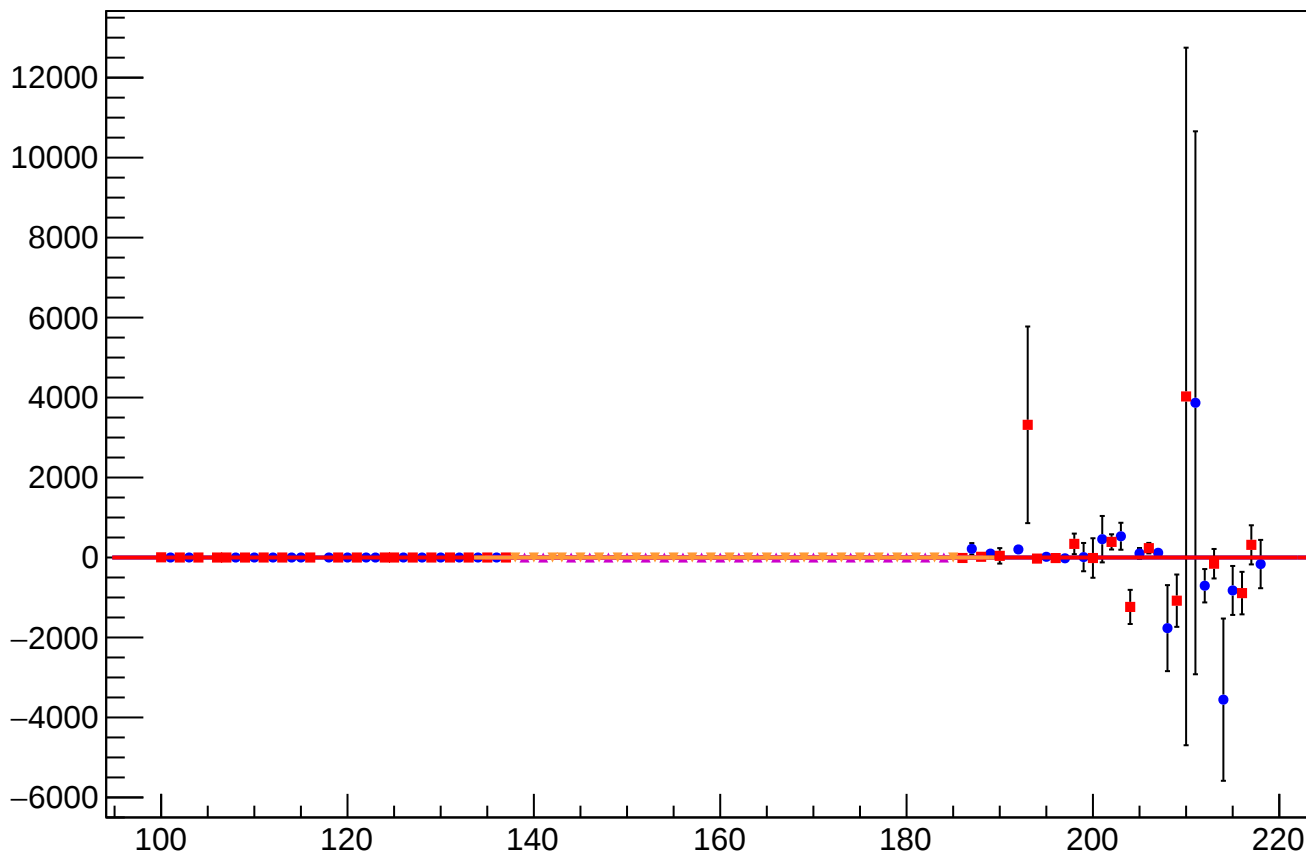
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 57.1/40

All: 0.010+/-0.019 χ^2/NDF : 147.0/79

- sign 0.003+/-0.028 χ^2/NDF : 89.8/38

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 : 44.6/34

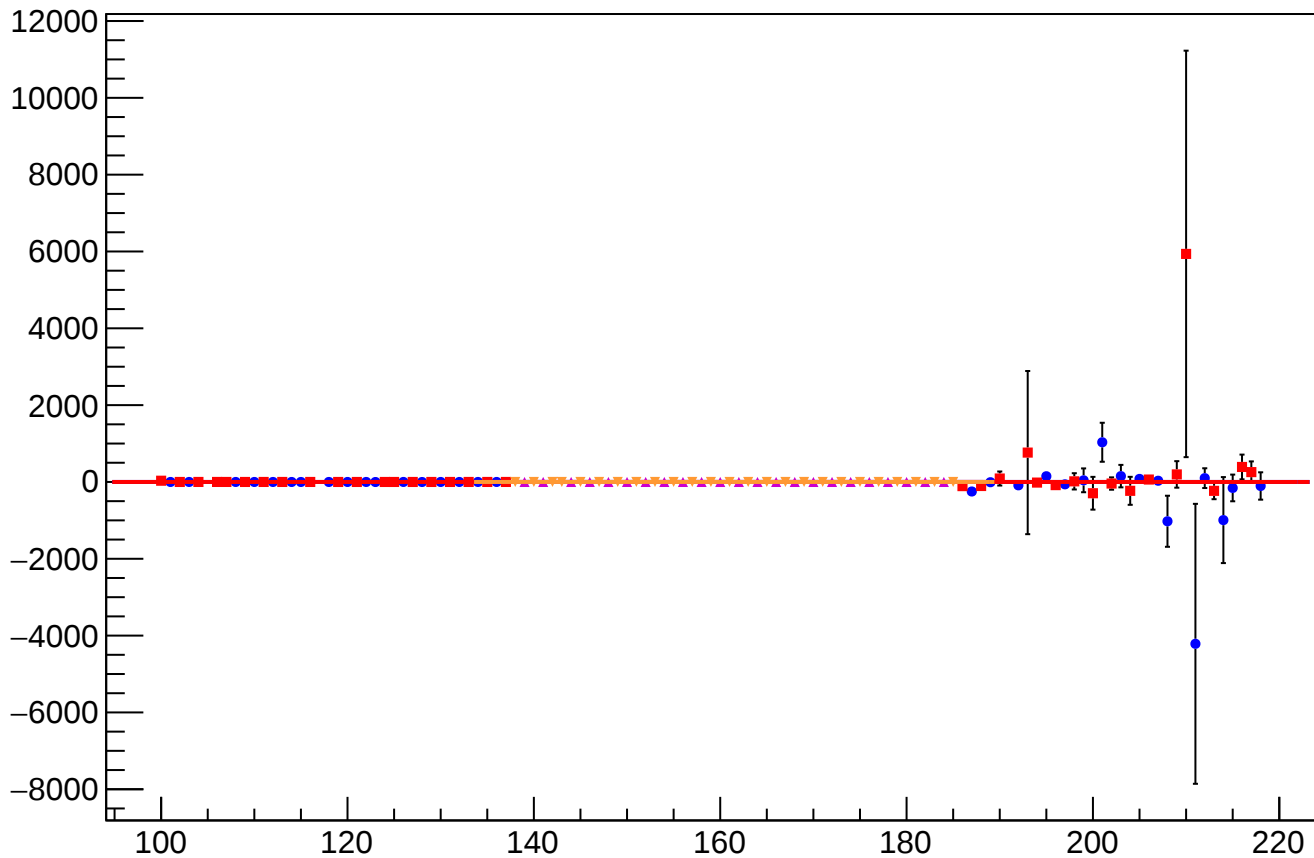
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 75.3/57

All: -0.066 ± 0.013 χ^2/NDF : 171.5/115

- sign -0.083 ± 0.019 χ^2/NDF : 94.7/57

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 : 84.1/34

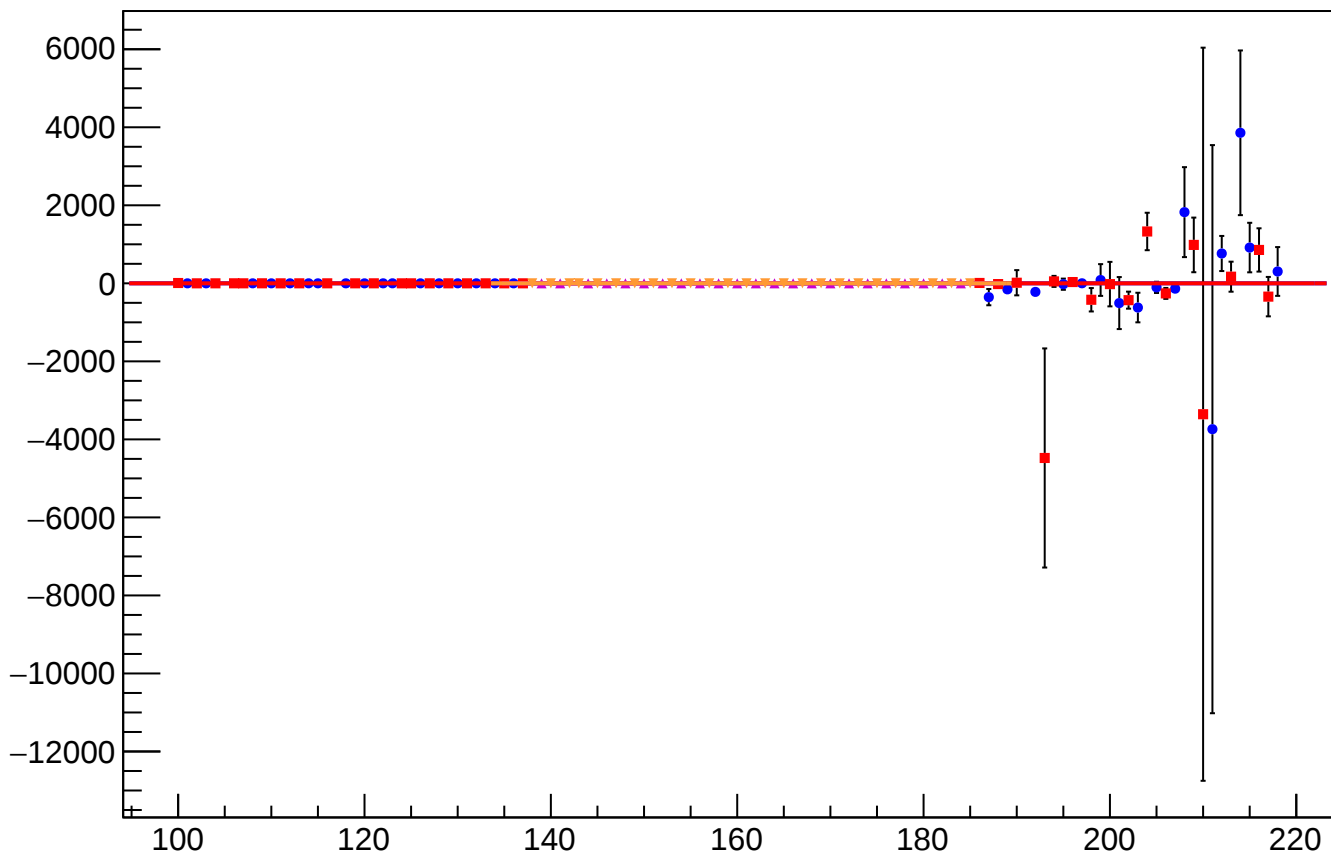
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 82.7/57

All: -0.042 ± 0.018 χ^2/NDF : 198.6/115

- sign -0.050 ± 0.026 χ^2/NDF : 115.7/57

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: 41.8/34

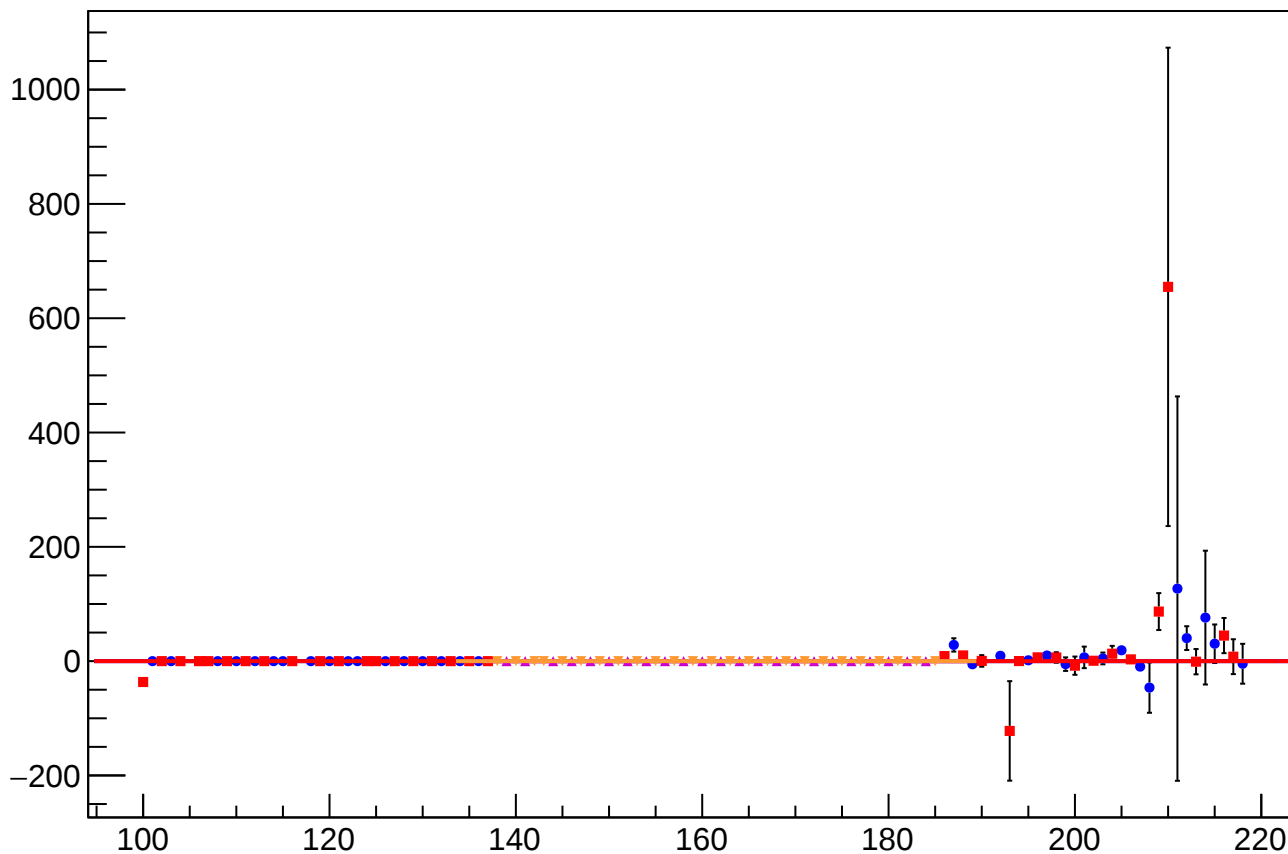
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 74.9/57

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 171.8/115

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 95.7/57

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 69.2/32

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 26.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10486.2/34

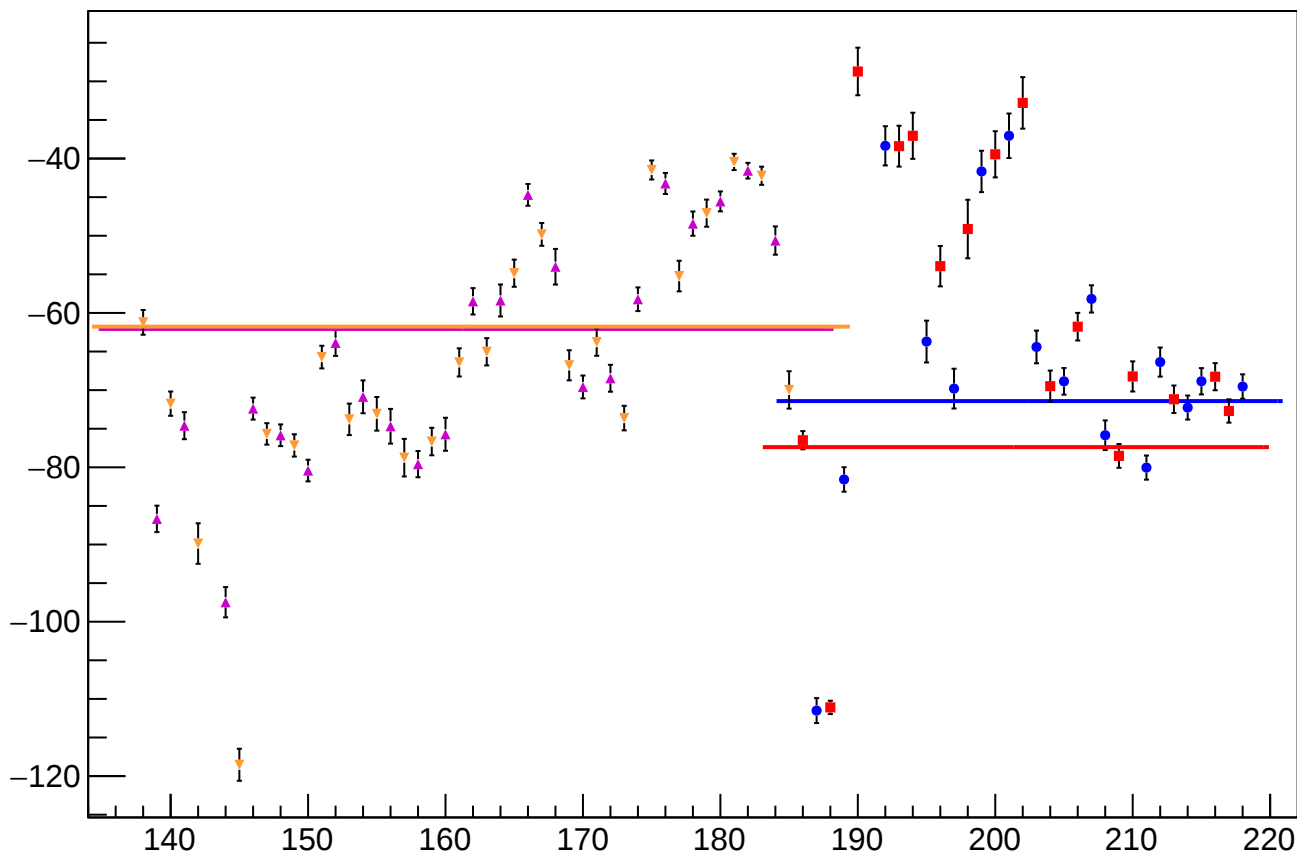
Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 15.0/22

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 103.6/57

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10615.2/115

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10511.5/57

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: -77.382 ± 0.440 $\chi^2/\text{NDF}: 2809.4/15$

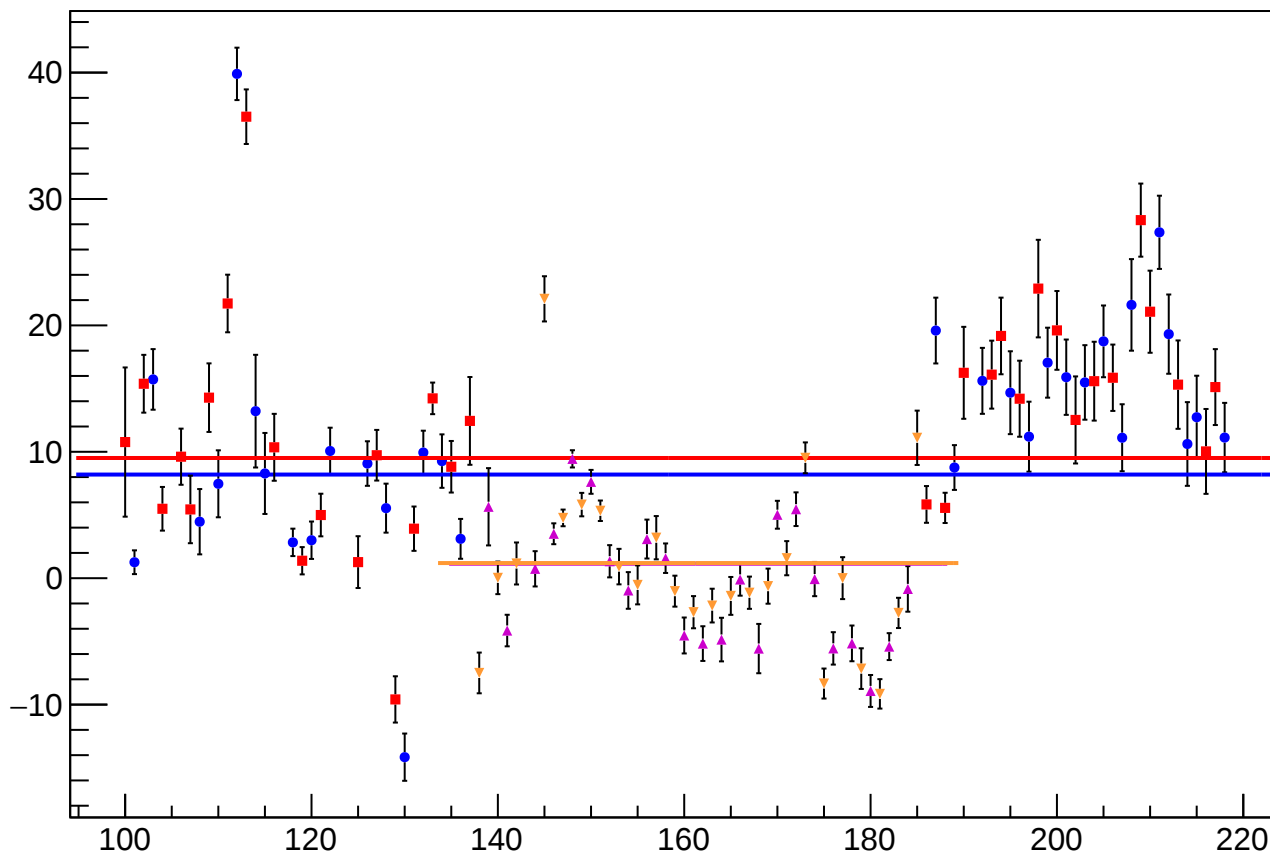
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -64.985 ± 0.273 $\chi^2/\text{NDF}: 3997.9/39$

All: -66.342 ± 0.190 $\chi^2/\text{NDF}: 9817.2/78$

- sign -67.627 ± 0.265 $\chi^2/\text{NDF}: 5771.2/38$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 8.199 ± 0.365 $\chi^2/\text{NDF}: 640.2/31$

Left Out: 1.198 ± 0.253 $\chi^2/\text{NDF}: 526.3/23$

Right Out: 9.510 ± 0.366 $\chi^2/\text{NDF}: 550.5/33$

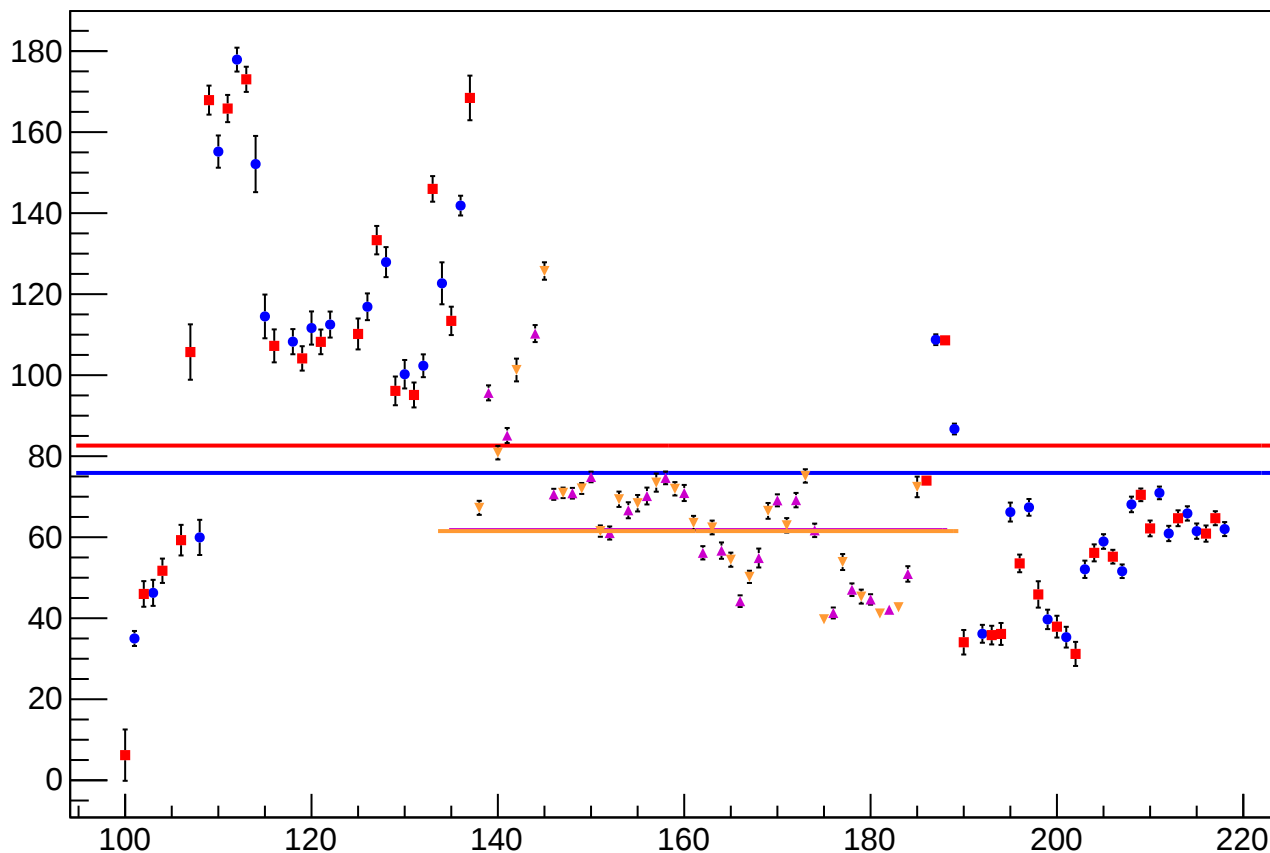
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 3.462 ± 0.208 $\chi^2/\text{NDF}: 1415.0/55$

All: 3.672 ± 0.147 $\chi^2/\text{NDF}: 2782.1/112$

- sign 3.886 ± 0.209 $\chi^2/\text{NDF}: 1365.0/56$

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: 82.622 $\pm$ 0.360 χ^2 /NDF: 7864.4/33

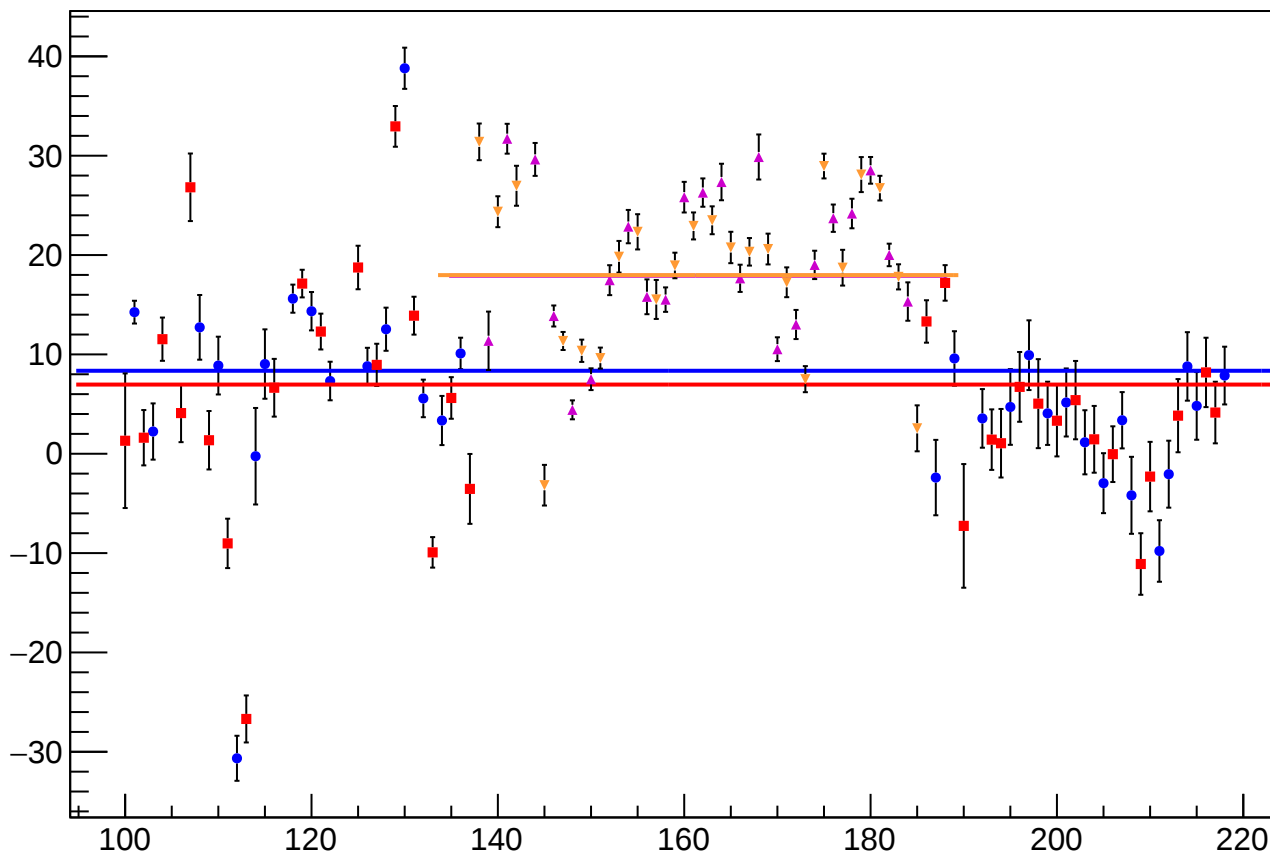
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 67.436 $\pm$ 0.255 χ^2 /NDF: 9520.3/55

All: 69.447 $\pm$ 0.176 χ^2 /NDF: 21746.2/112

- sign 71.282 $\pm$ 0.243 χ^2 /NDF: 12106.7/56

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: 6.963 ± 0.433 χ^2/NDF : 793.5/33

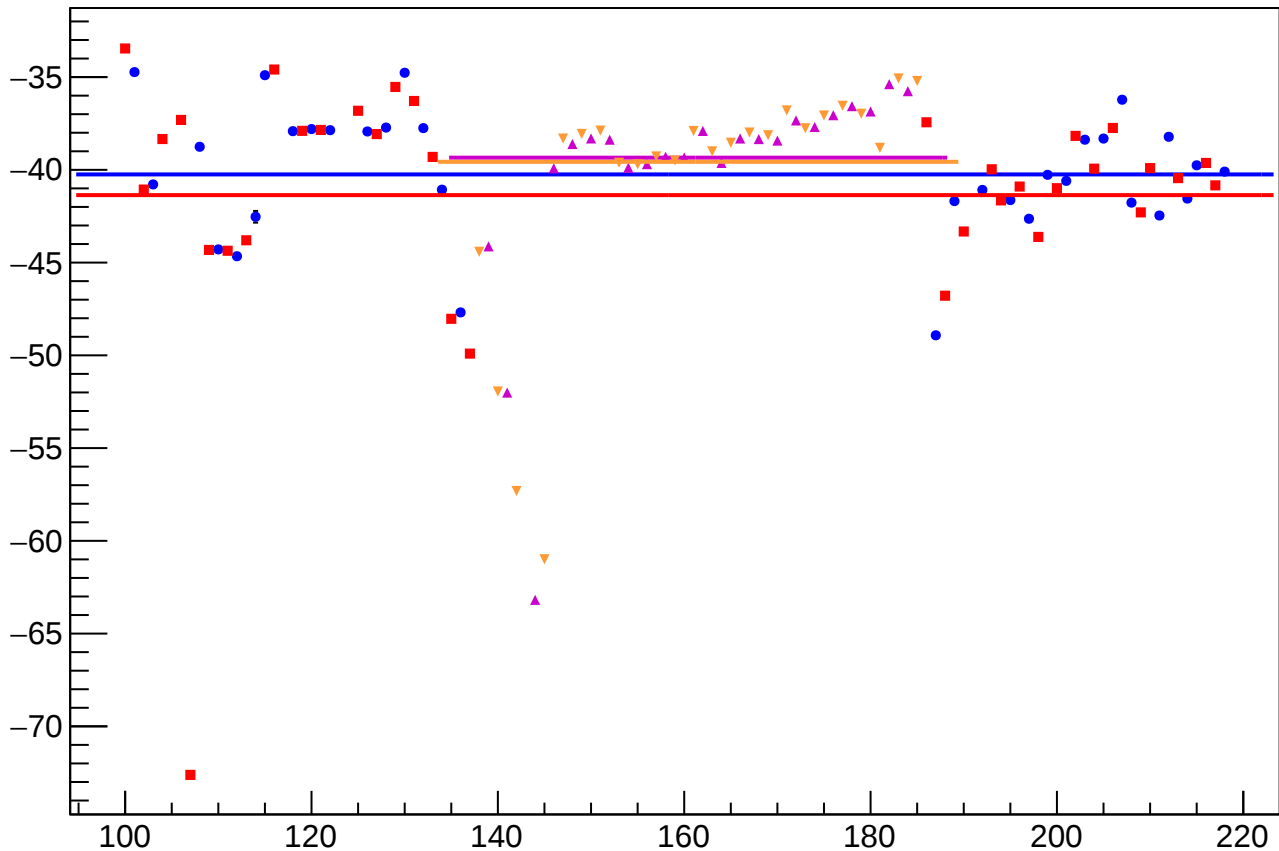
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 14.901 ± 0.240 χ^2/NDF : 1712.7/55

All: 14.698 ± 0.170 χ^2/NDF : 3673.1/112

- sign 14.491 ± 0.242 χ^2/NDF : 1958.9/56

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: -41.362 ± 0.021 $\chi^2/\text{NDF}: 68795.3/33$

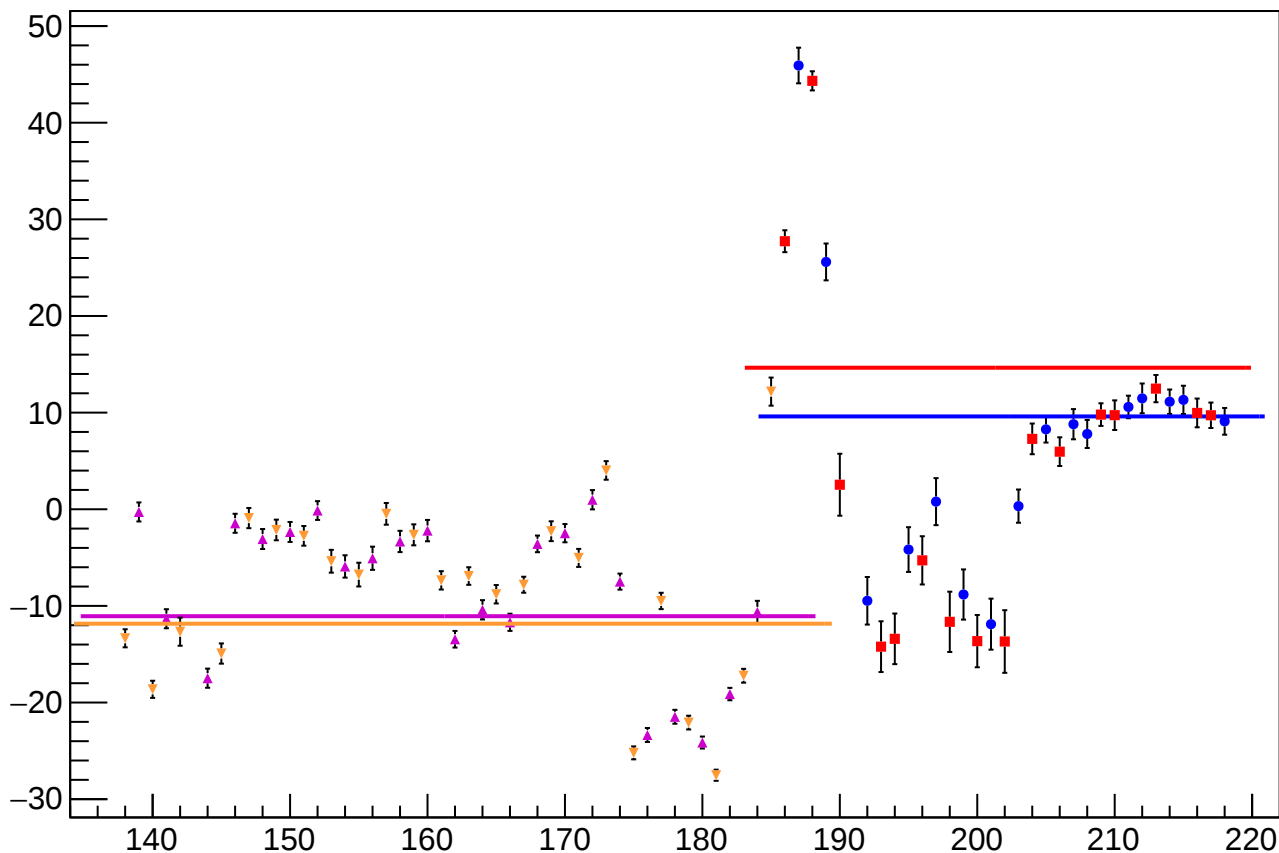
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.769 ± 0.012 $\chi^2/\text{NDF}: 171829.1/55$

All: -39.852 ± 0.008 $\chi^2/\text{NDF}: 363796.1/112$

- sign -39.935 ± 0.011 $\chi^2/\text{NDF}: 191862.4/56$

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: 14.646 ± 0.401 χ^2/NDF : 1711.9/15

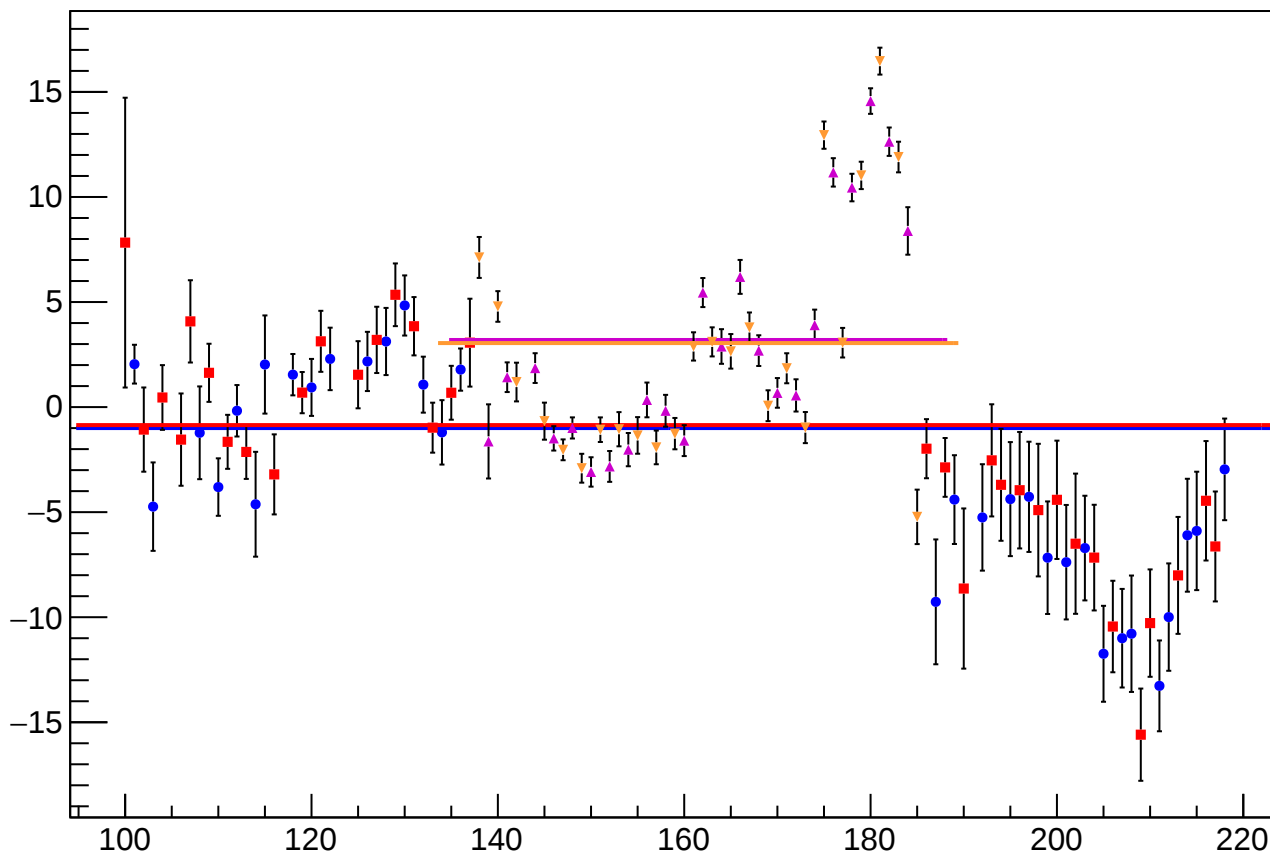
Left In: -11.067 ± 0.188 χ^2/NDF : 2104.8/22

+ sign -8.175 ± 0.170 χ^2/NDF : 5713.6/39

All: -7.306 ± 0.120 χ^2/NDF : 12952.9/78

- sign -6.436 ± 0.170 χ^2/NDF : 7187.0/38

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: -0.857 ± 0.302 χ^2/NDF : 180.7/33

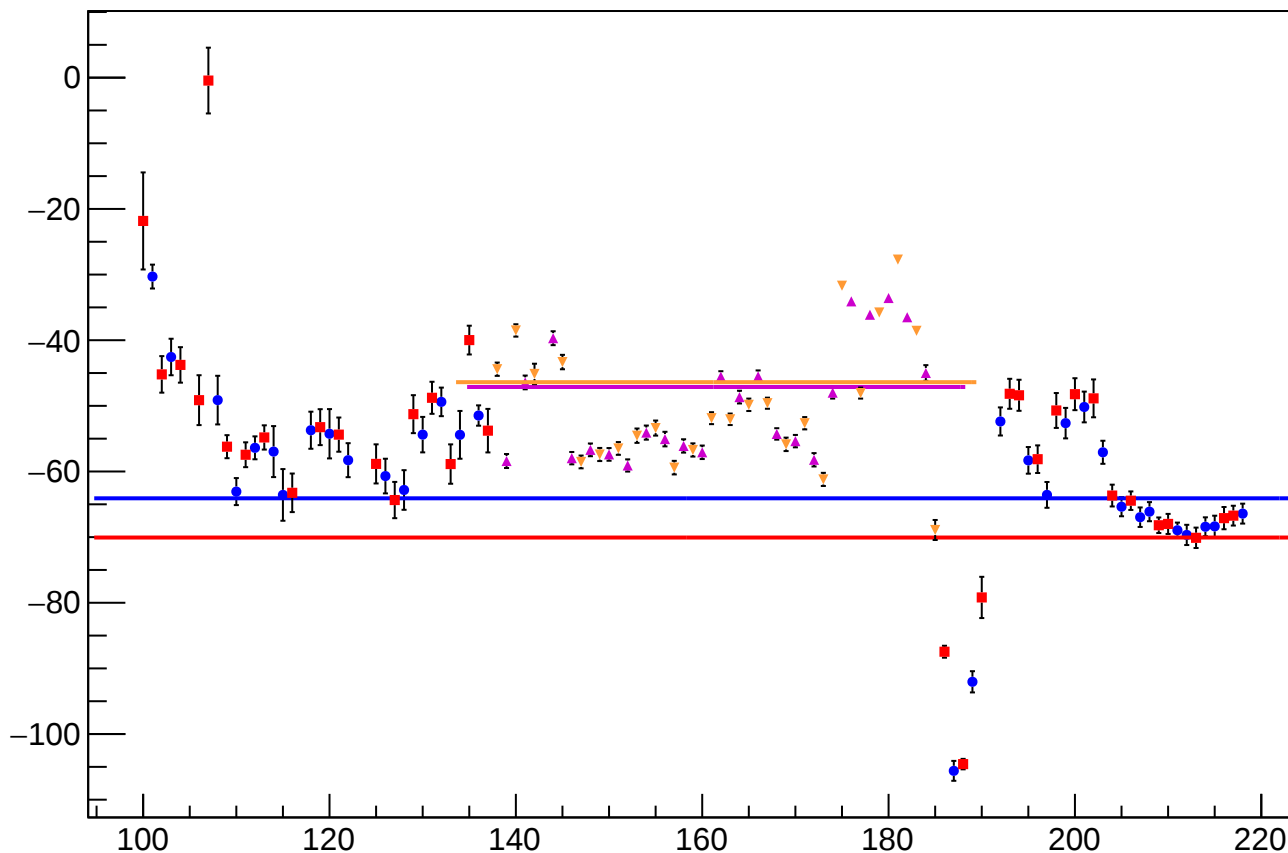
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.259 ± 0.133 χ^2/NDF : 1814.5/55

All: 2.326 ± 0.094 χ^2/NDF : 3434.7/112

- sign 2.395 ± 0.134 χ^2/NDF : 1619.7/56

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: -70.061 ± 0.320 χ^2/NDF : 3741.1/33

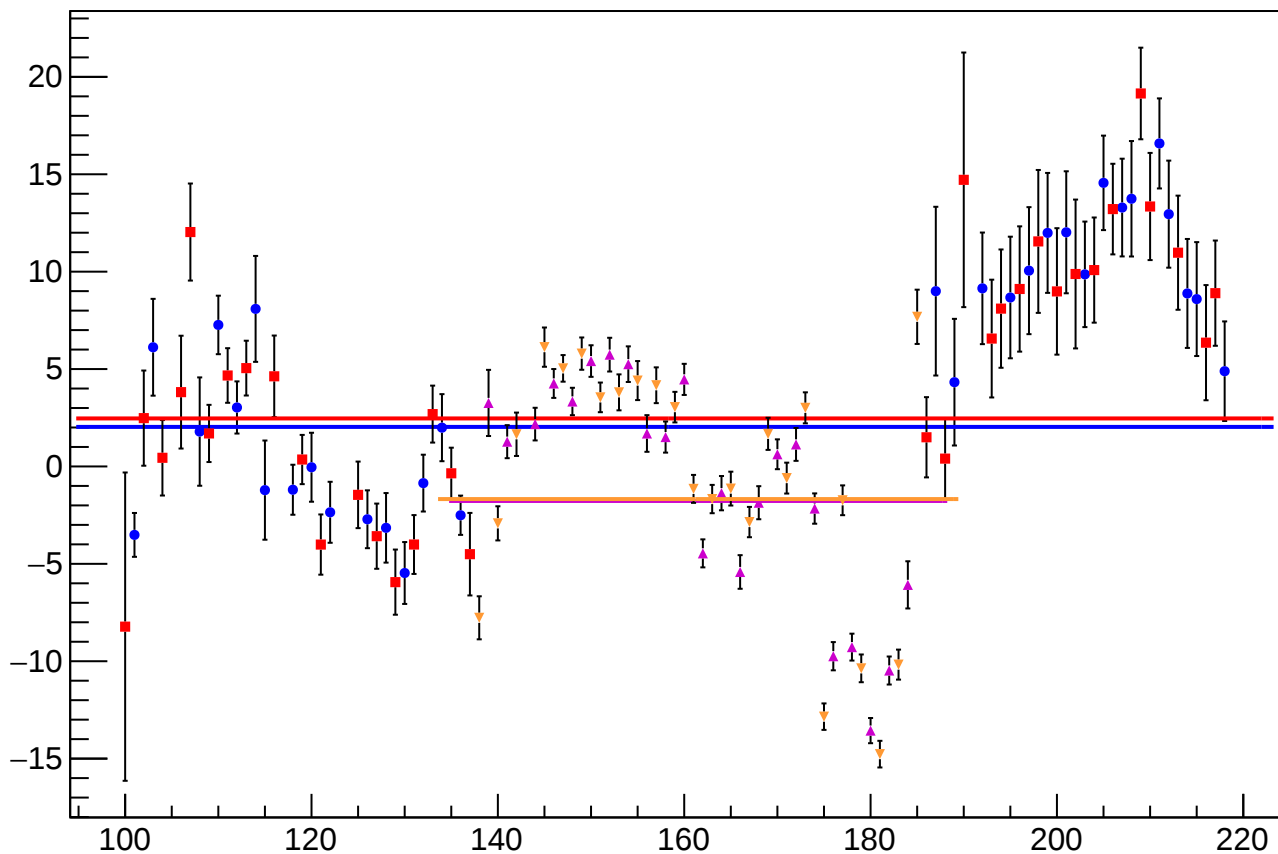
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -50.510 ± 0.163 χ^2/NDF : 7201.5/55

All: -51.750 ± 0.115 χ^2/NDF : 17390.9/112

- sign -52.962 ± 0.162 χ^2/NDF : 10075.7/56

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: 2.465 ± 0.347 χ^2/NDF : 262.1/33

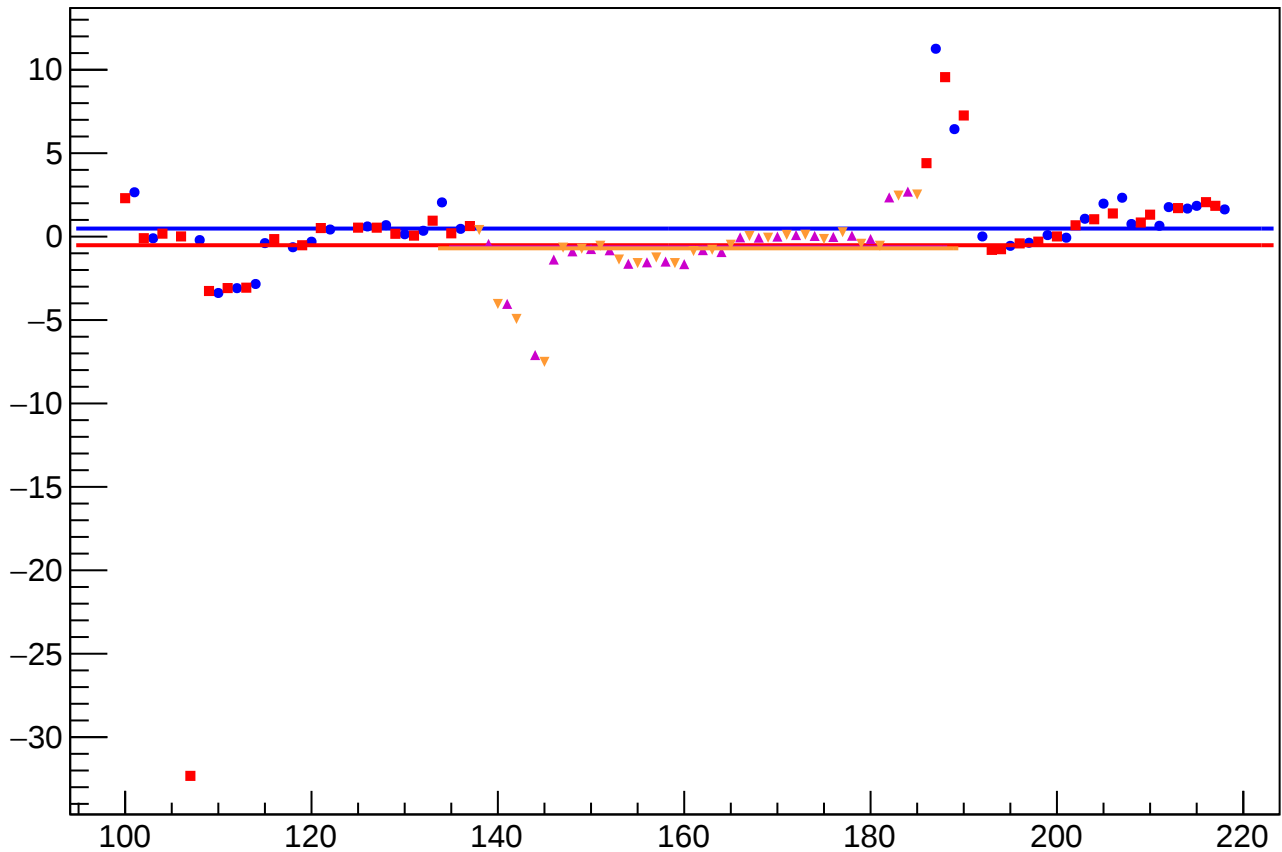
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -0.956 ± 0.150 χ^2/NDF : 1885.1/55

All: -0.958 ± 0.107 χ^2/NDF : 3518.8/112

- sign -0.961 ± 0.152 χ^2/NDF : 1633.7/56

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: -0.516 ± 0.017 χ^2/NDF : 94500.2/33

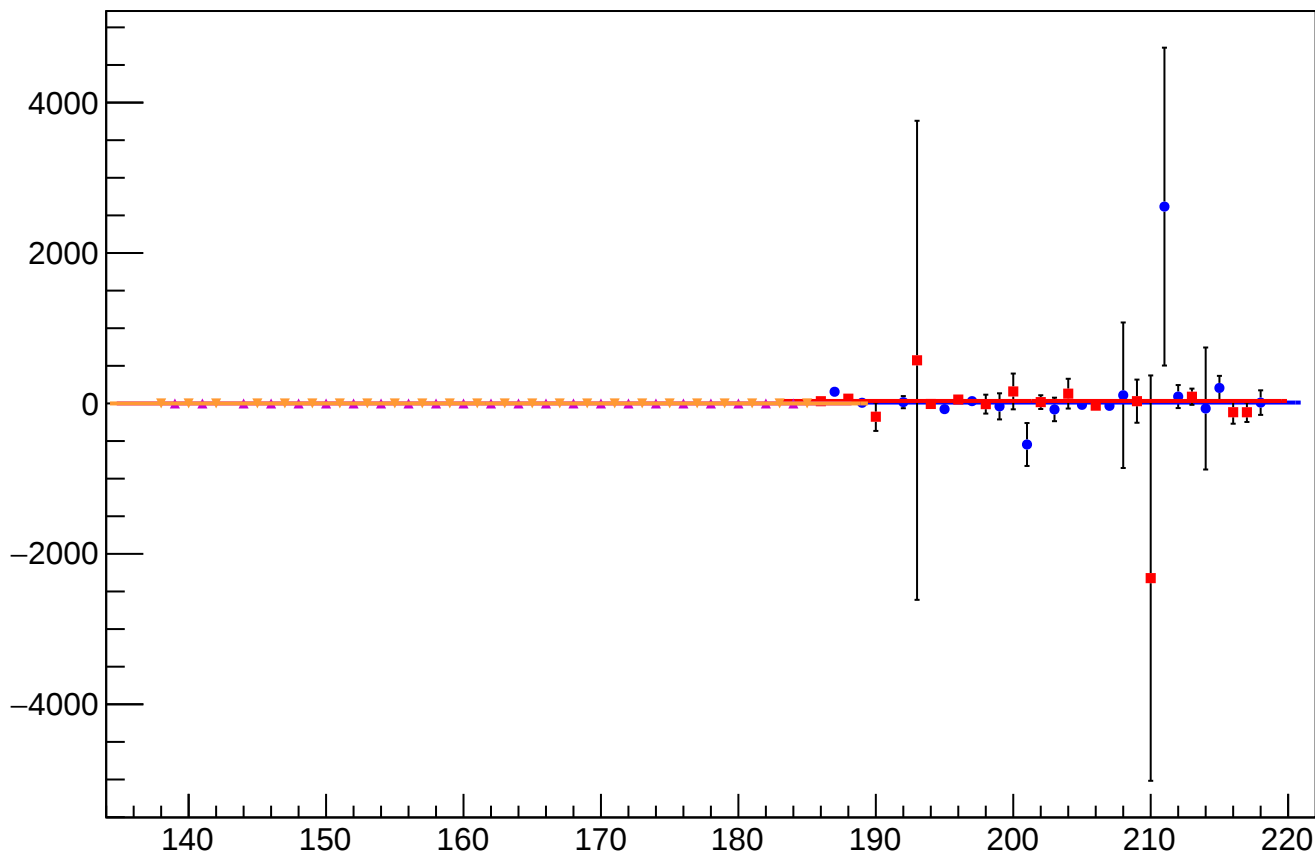
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.505 ± 0.007 χ^2/NDF : 68118.0/55

All: -0.564 ± 0.005 χ^2/NDF : 206975.4/112

- sign -0.623 ± 0.007 χ^2/NDF : 138714.8/56

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 11.654 $\pm$ 15.007 χ^2 /NDF: 22.7/15

Left Out: -0.037 $\pm$ 0.018 χ^2 /NDF: 35.4/23

Right Out: 32.972 $\pm$ 9.587 χ^2 /NDF: 9.9/15

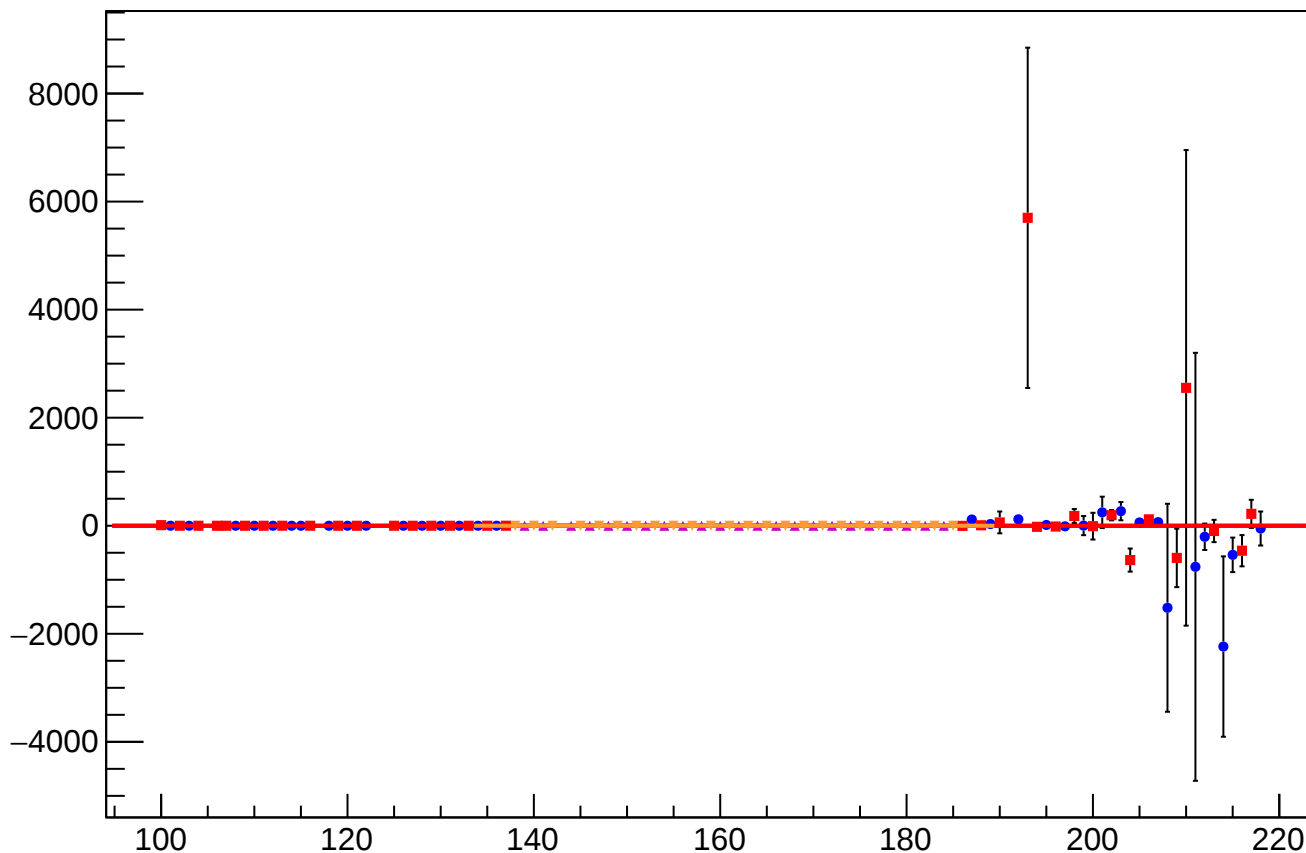
Left In: -0.010 $\pm$ 0.018 χ^2 /NDF: 35.1/22

+ sign -0.037 $\pm$ 0.018 χ^2 /NDF: 58.7/39

All: -0.024 $\pm$ 0.013 χ^2 /NDF: 116.7/78

- sign -0.010 $\pm$ 0.018 χ^2 /NDF: 56.9/38

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 $\chi^2/\text{NDF}: 29.5/31$

Left Out: -0.073 ± 0.014 $\chi^2/\text{NDF}: 27.8/23$

Right Out: -0.088 ± 0.025 $\chi^2/\text{NDF}: 39.8/33$

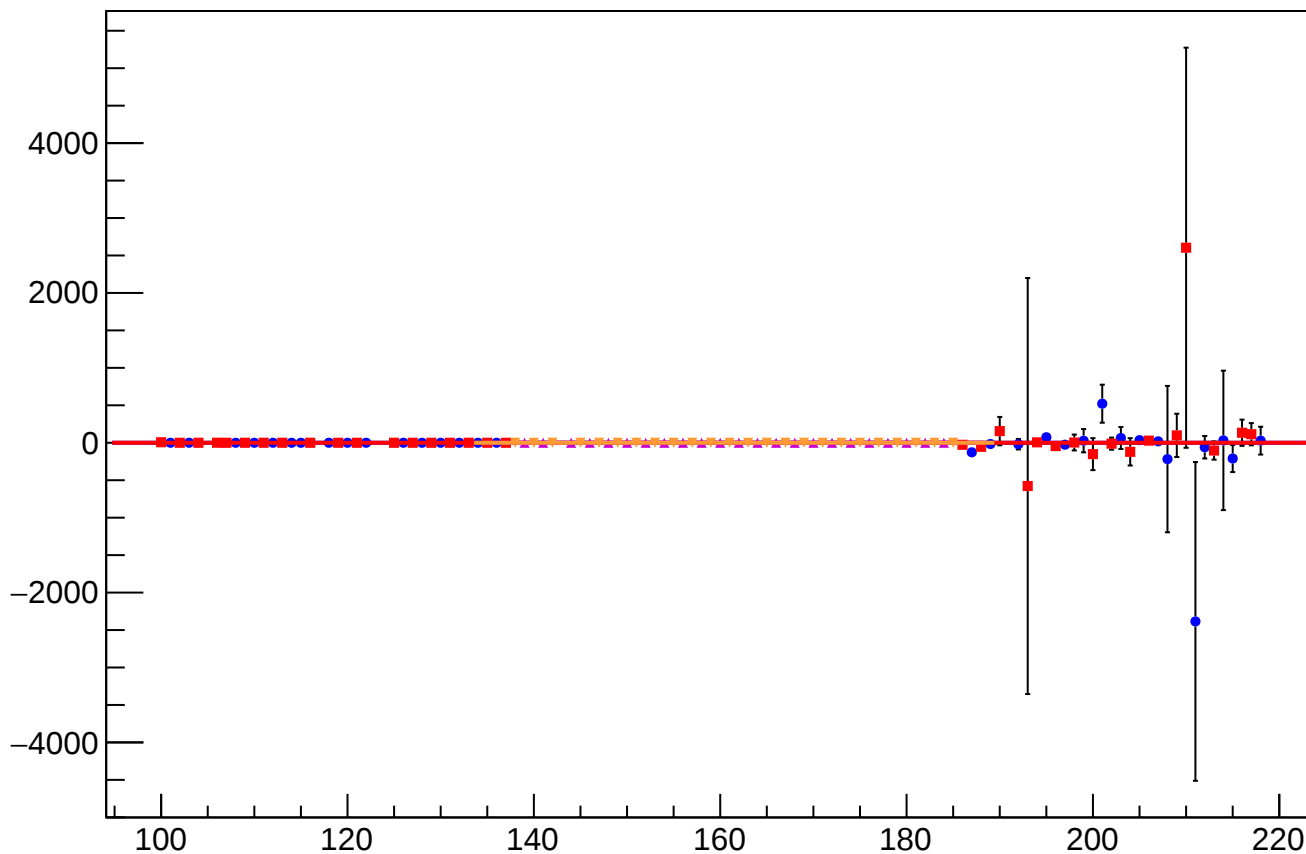
Left In: -0.064 ± 0.014 $\chi^2/\text{NDF}: 41.1/22$

+ sign -0.057 ± 0.012 $\chi^2/\text{NDF}: 62.0/55$

All: -0.063 ± 0.009 $\chi^2/\text{NDF}: 144.2/112$

- sign -0.070 ± 0.012 $\chi^2/\text{NDF}: 81.6/56$

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 33.0/31

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 33.6/33

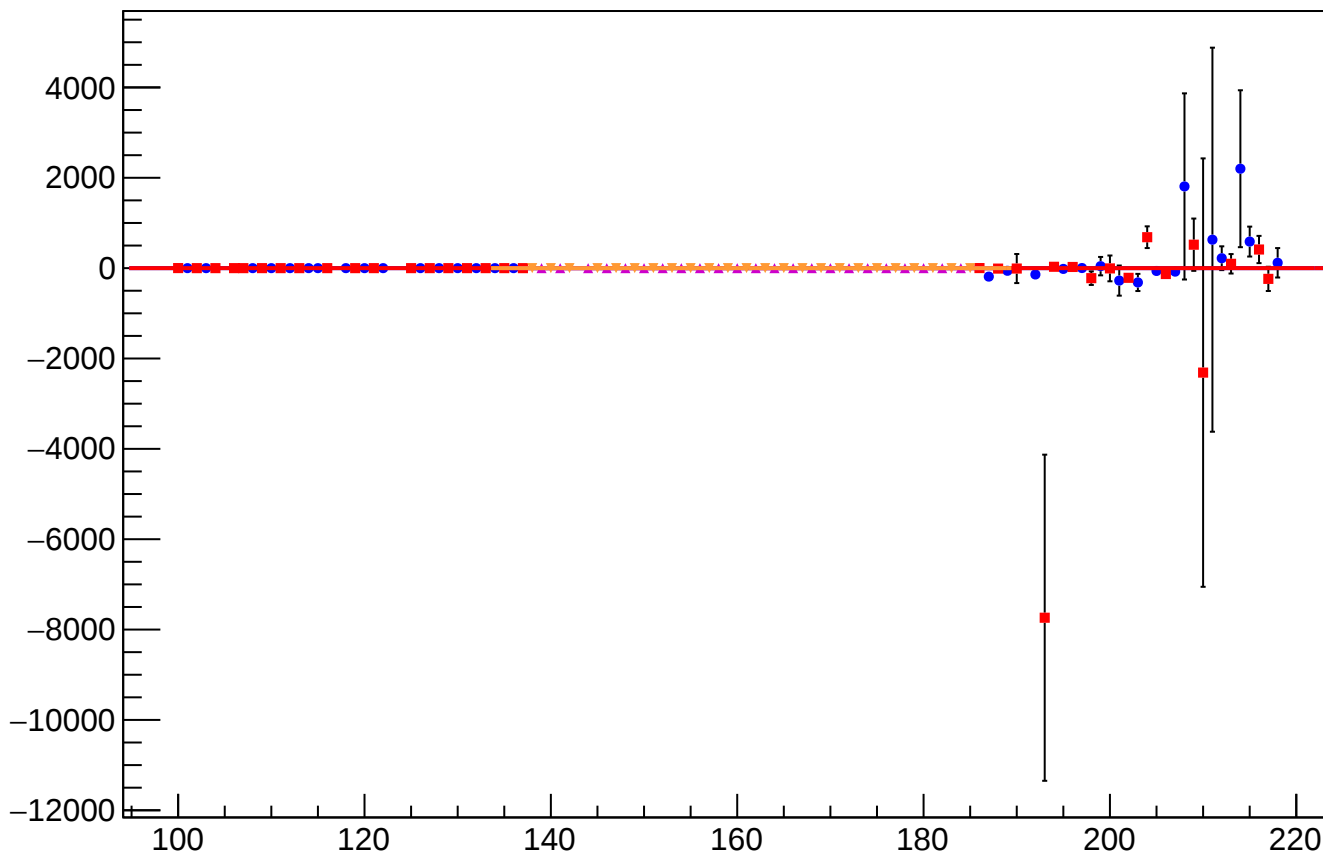
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 65.3/55

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 138.8/112

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 71.1/56

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 31.1/31

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 34.6/33

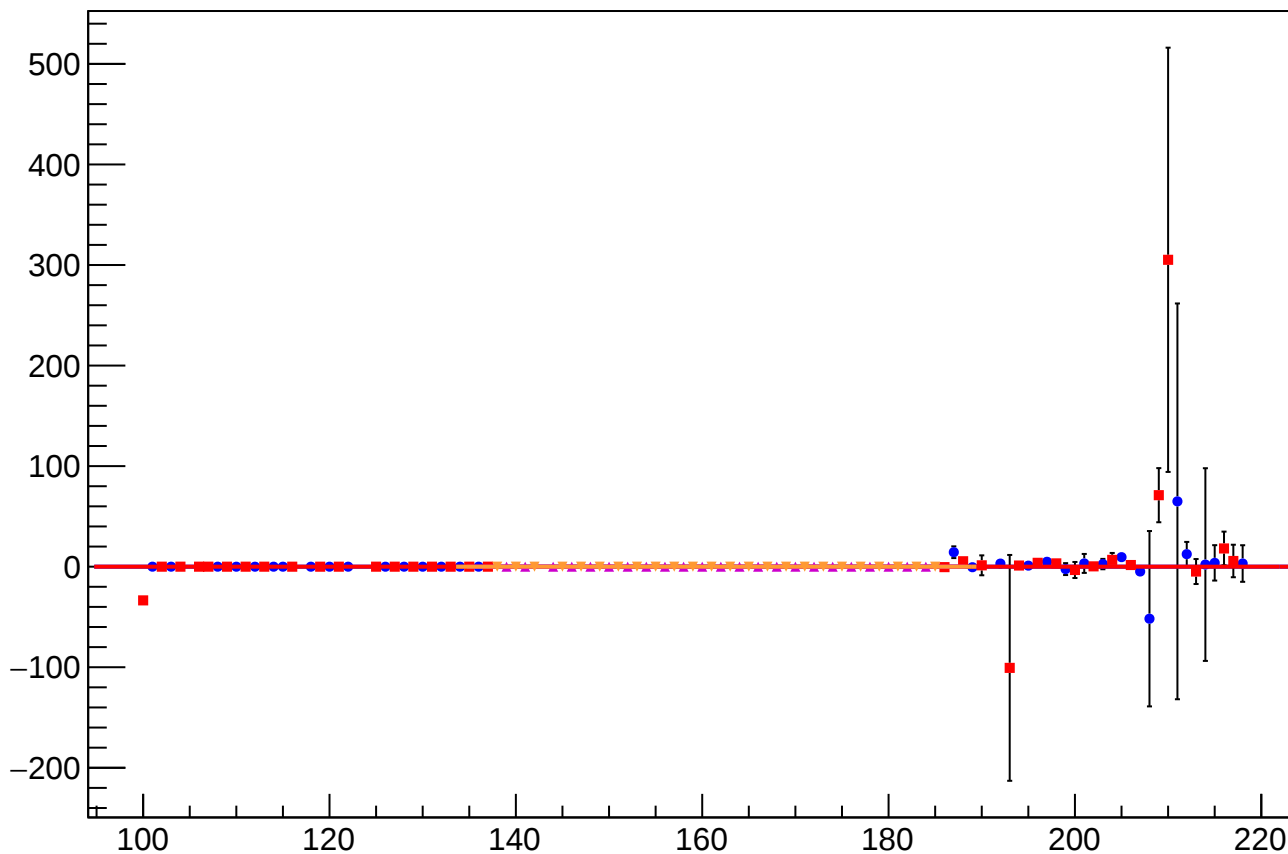
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 64.9/55

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 145.9/112

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 80.6/56

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 : 26532.1/33

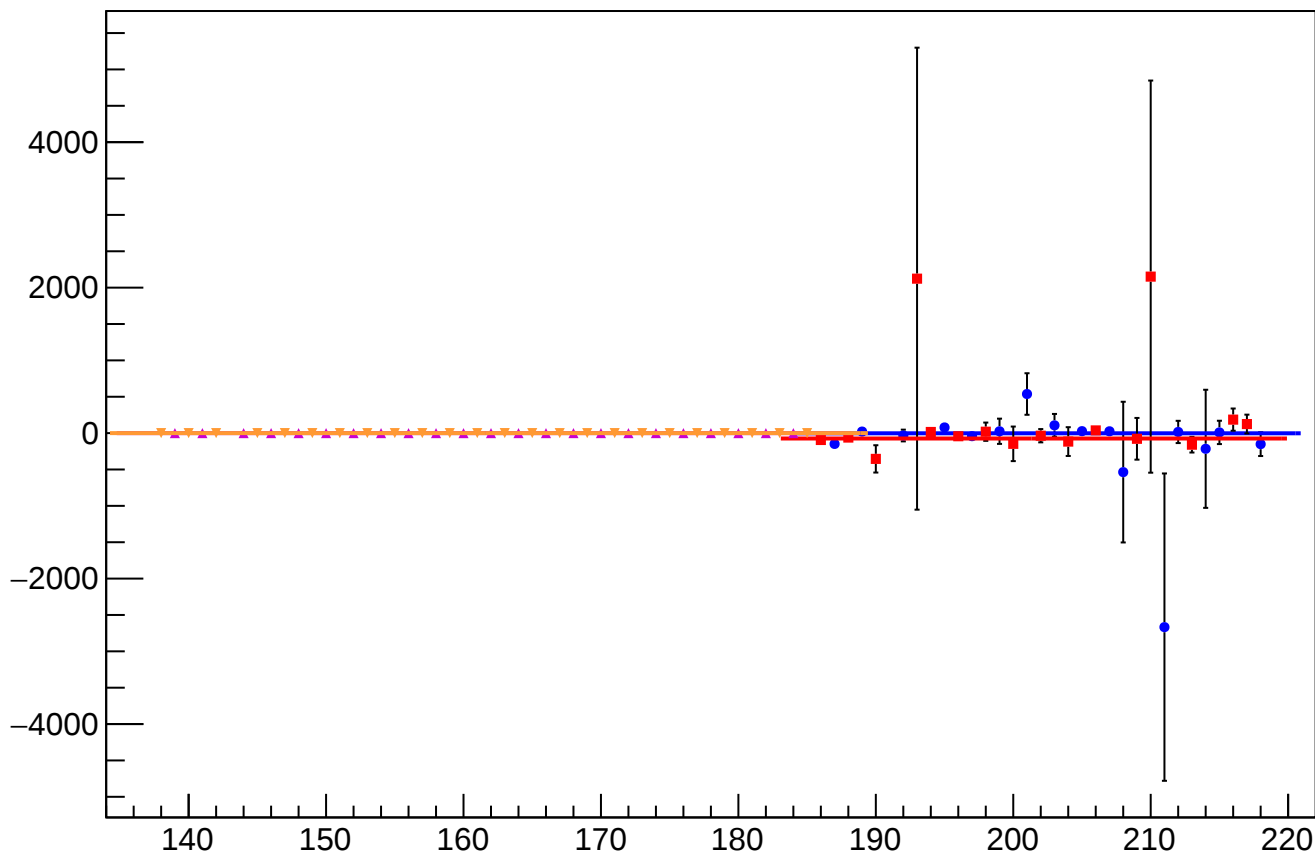
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.3/55

All: -0.001 ± 0.000 χ^2/NDF : 26652.7/112

- sign -0.001 ± 0.001 χ^2/NDF : 26568.3/56

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: -74.064 ± 9.589 χ^2/NDF : 21.9/15

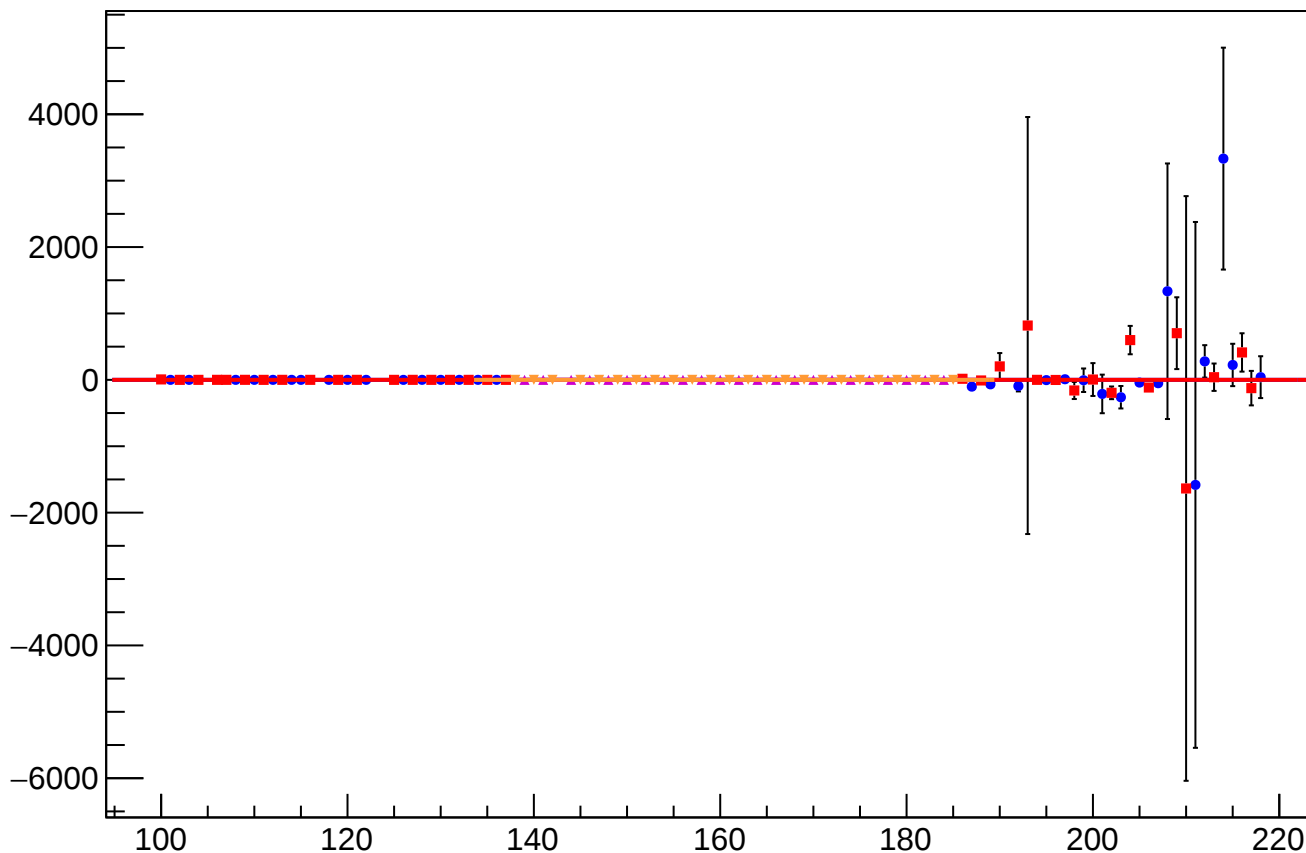
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 60.0/39

All: -0.031 ± 0.013 χ^2/NDF : 179.5/78

- sign -0.009 ± 0.018 χ^2/NDF : 116.6/38

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 : 51.9/33

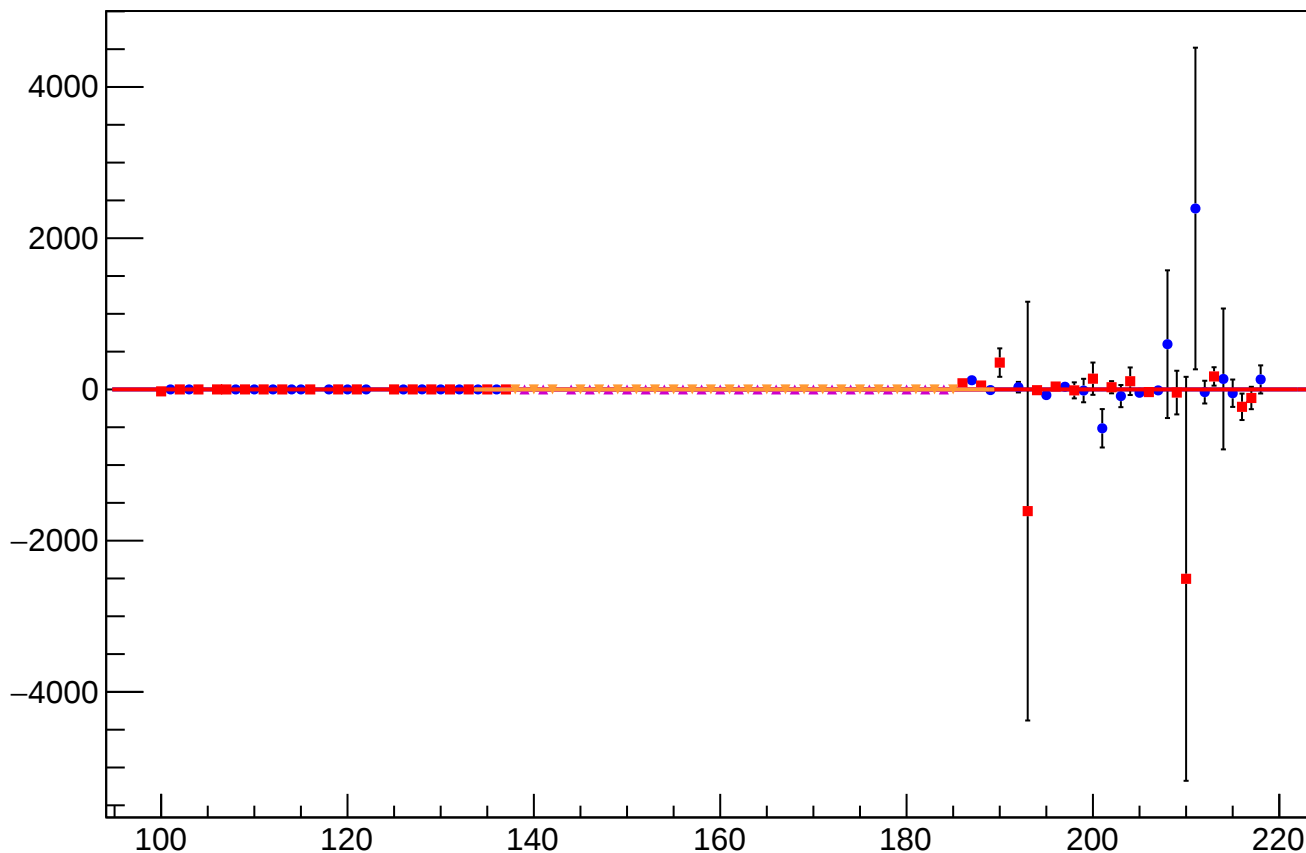
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 73.7/55

All: 0.003 ± 0.009 χ^2/NDF : 177.5/112

- sign 0.013 ± 0.012 χ^2/NDF : 102.7/56

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 52.5/31

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 113.8/33

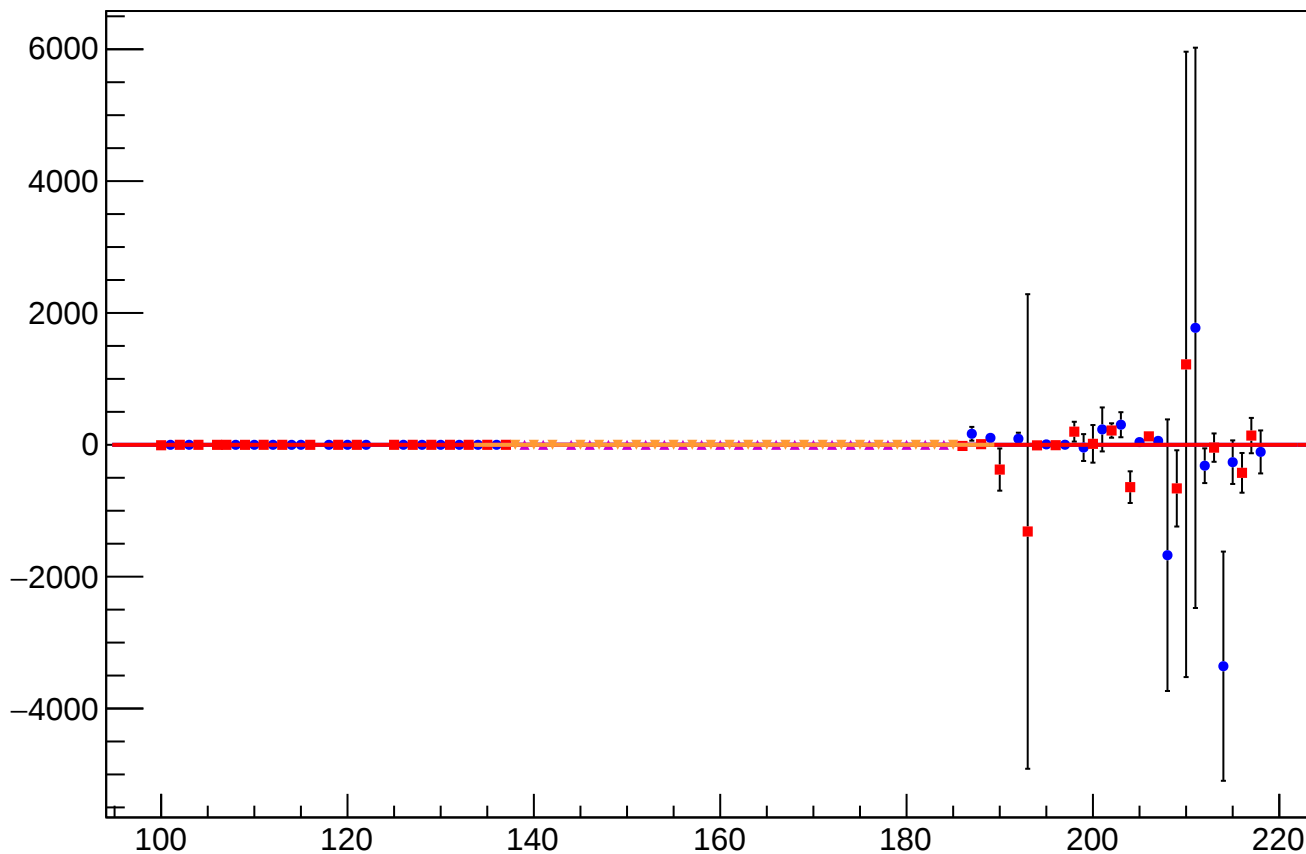
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 93.3/55

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 257.0/112

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 163.0/56

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 $\chi^2/\text{NDF}: 48.3/33$

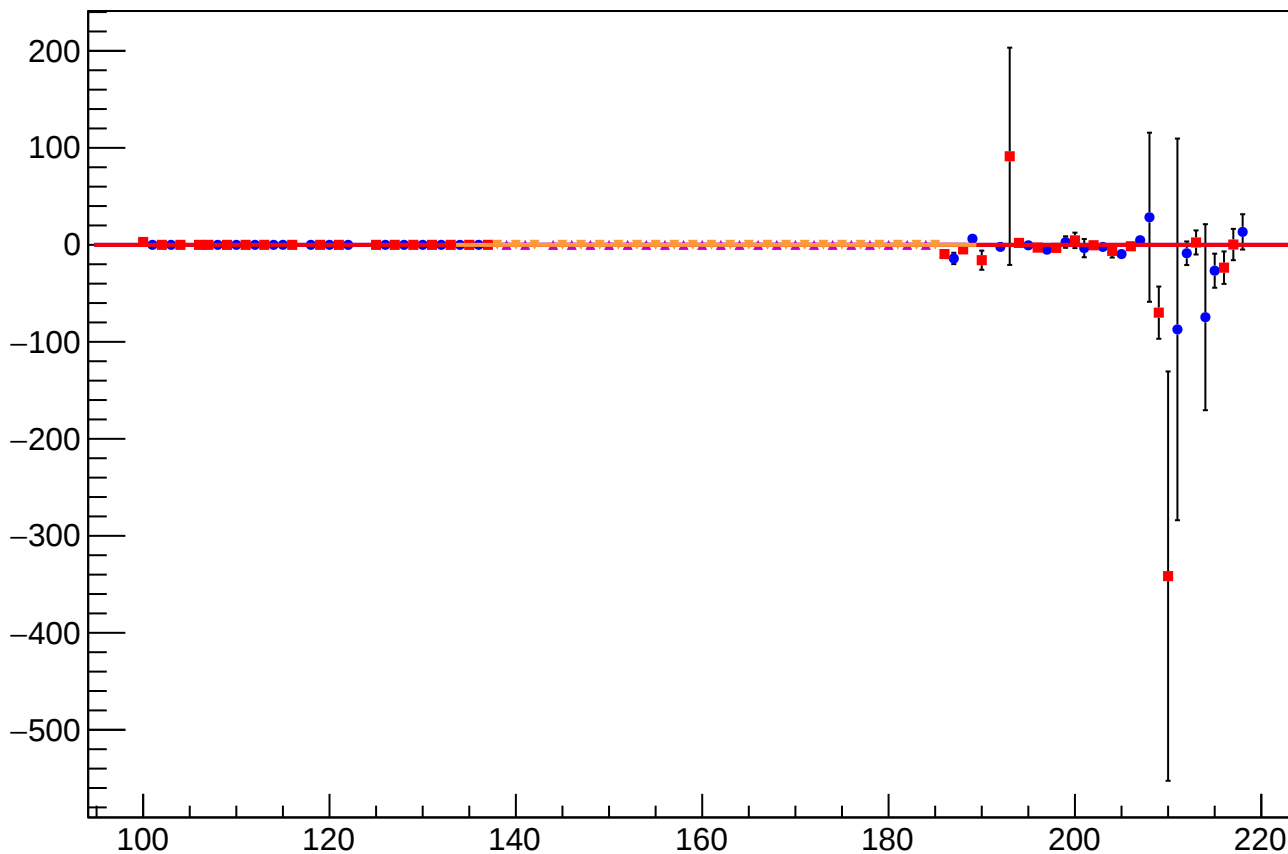
Left In: 0.006 ± 0.016 $\chi^2/\text{NDF}: 50.1/22$

+ sign 0.013 ± 0.014 $\chi^2/\text{NDF}: 77.9/55$

All: 0.004 ± 0.010 $\chi^2/\text{NDF}: 179.9/112$

- sign -0.007 ± 0.014 $\chi^2/\text{NDF}: 101.0/56$

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 : 226.2/33

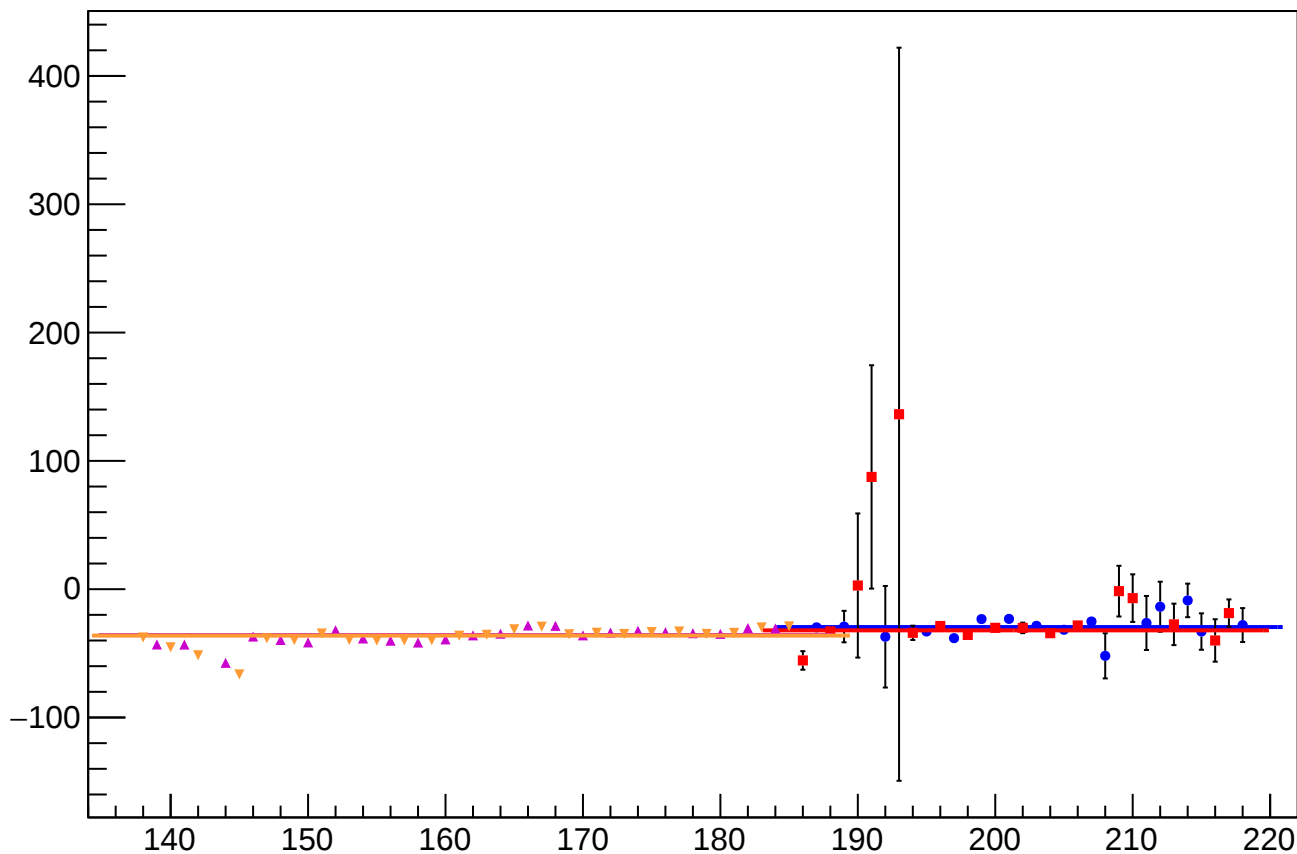
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 95.5/55

All: -0.008 ± 0.000 χ^2/NDF : 362.1/112

- sign -0.008 ± 0.001 χ^2/NDF : 266.4/56

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: -32.085 ± 0.803 χ^2/NDF : 26.9/16

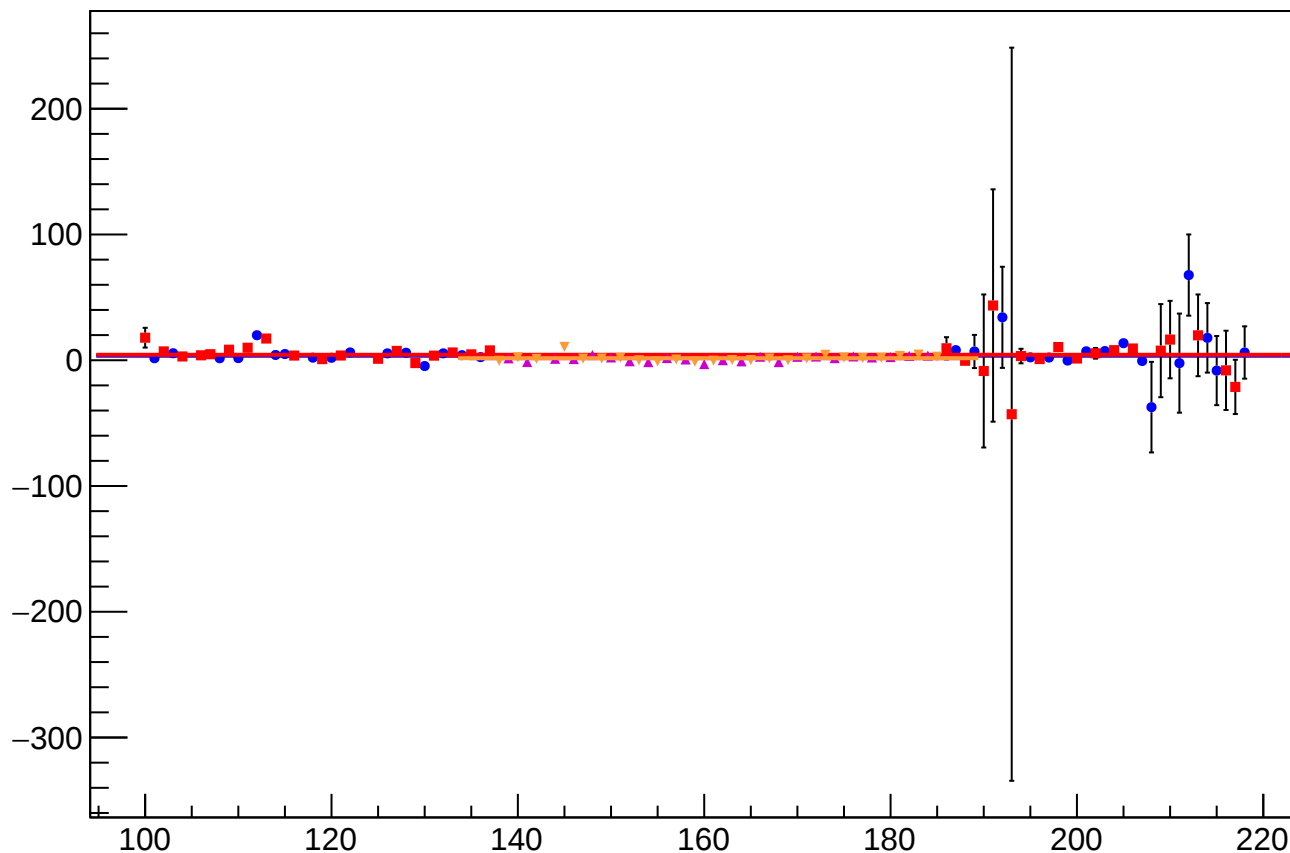
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.801 ± 0.187 χ^2/NDF : 1201.3/39

All: -35.690 ± 0.132 χ^2/NDF : 2103.0/79

- sign -35.581 ± 0.186 χ^2/NDF : 901.1/39

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 : 370.9/34

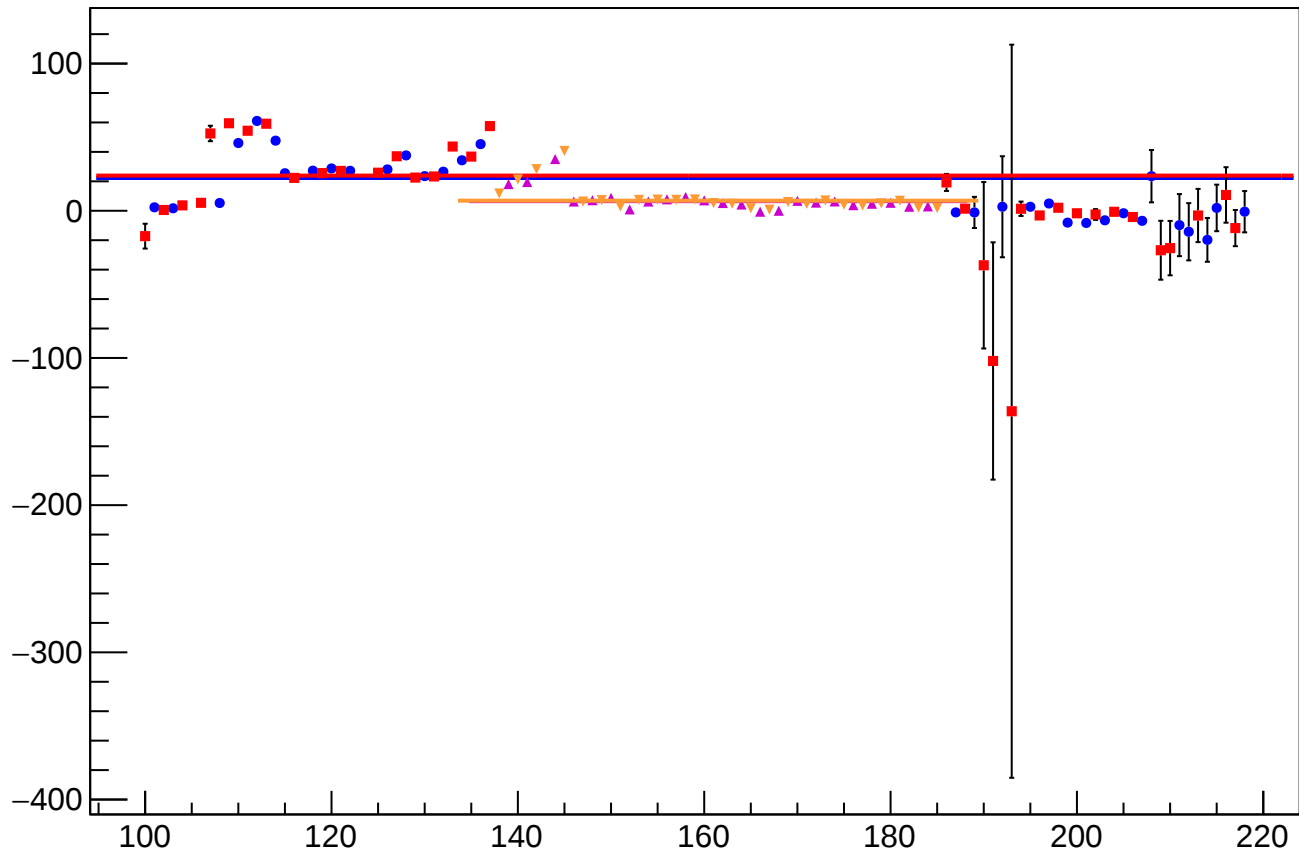
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.259 ± 0.122 χ^2/NDF : 685.5/55

All: 2.374 ± 0.087 χ^2/NDF : 1324.5/113

- sign 2.493 ± 0.124 χ^2/NDF : 637.2/57

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.272 ± 0.370 χ^2/NDF : 2824.3/31

Left Out: 6.866 ± 0.191 χ^2/NDF : 1295.7/23

Right Out: 23.899 ± 0.361 χ^2/NDF : 3308.4/34

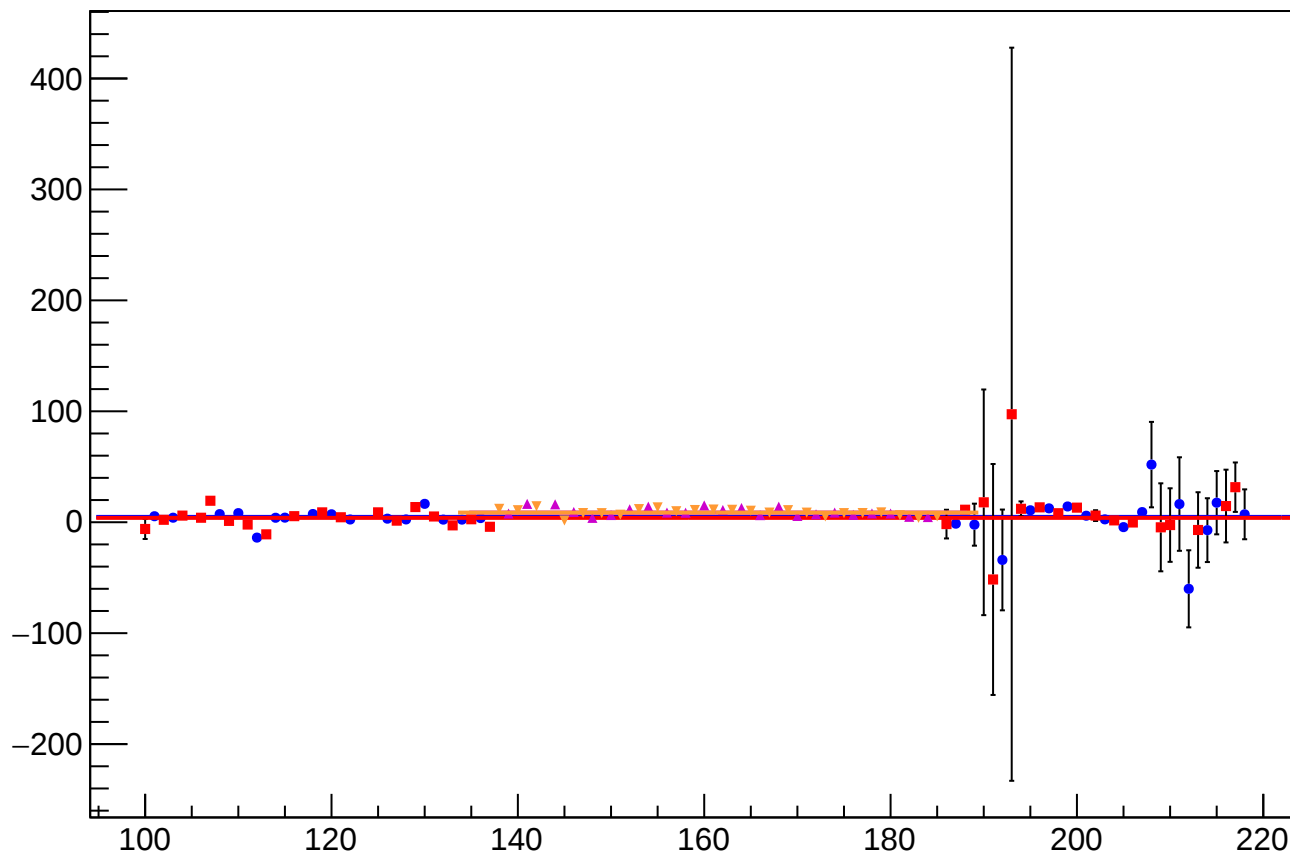
Left In: 6.537 ± 0.190 χ^2/NDF : 1025.1/22

+ sign 10.125 ± 0.170 χ^2/NDF : 5490.6/55

All: 10.217 ± 0.120 χ^2/NDF : 11631.2/113

- sign 10.308 ± 0.168 χ^2/NDF : 6140.0/57

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 : 590.9/34

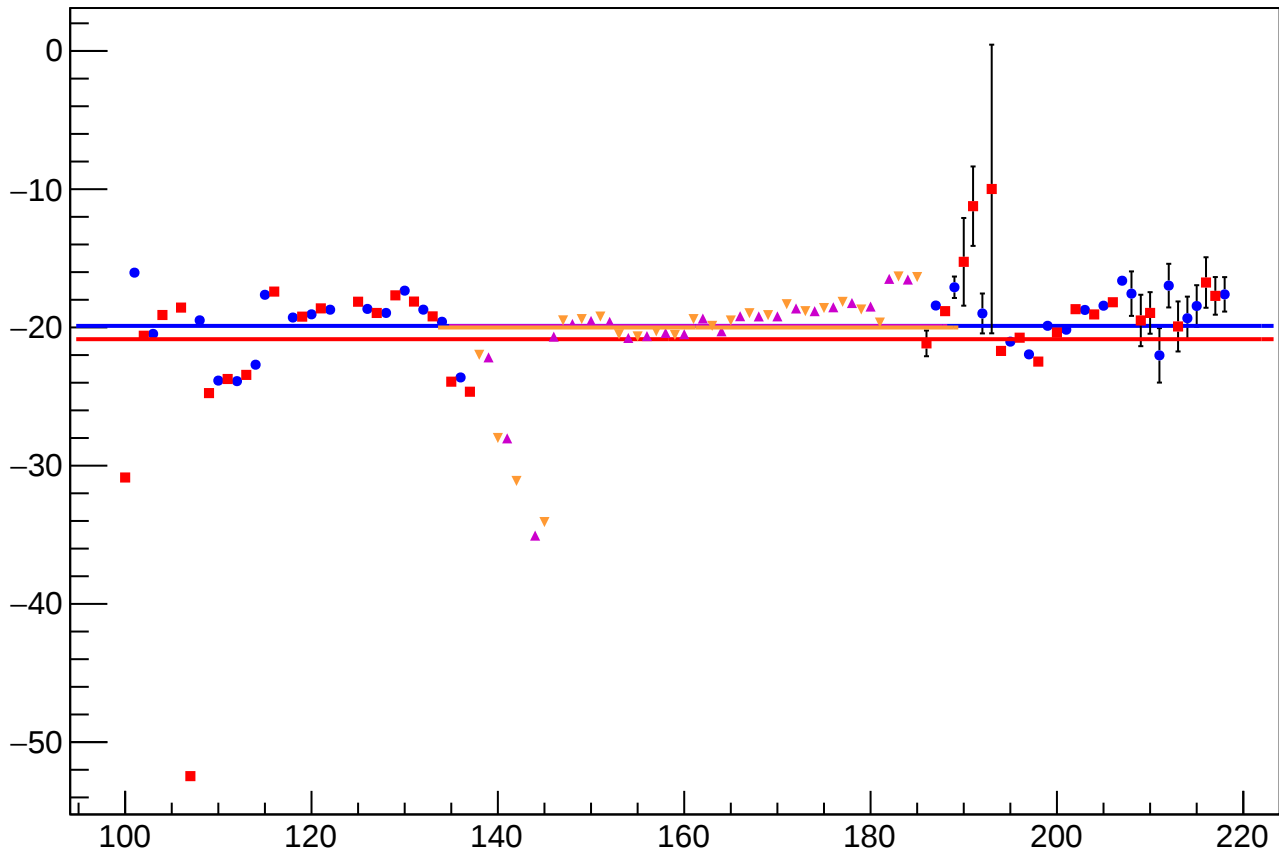
Left In: 8.668+/-0.170 χ^2/NDF : 436.7/22

+ sign 7.475+/-0.140 χ^2/NDF : 983.8/55

All: 7.341+/-0.099 χ^2/NDF : 2252.1/113

- sign 7.206+/-0.141 χ^2/NDF : 1266.4/57

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 : 95250.9/34

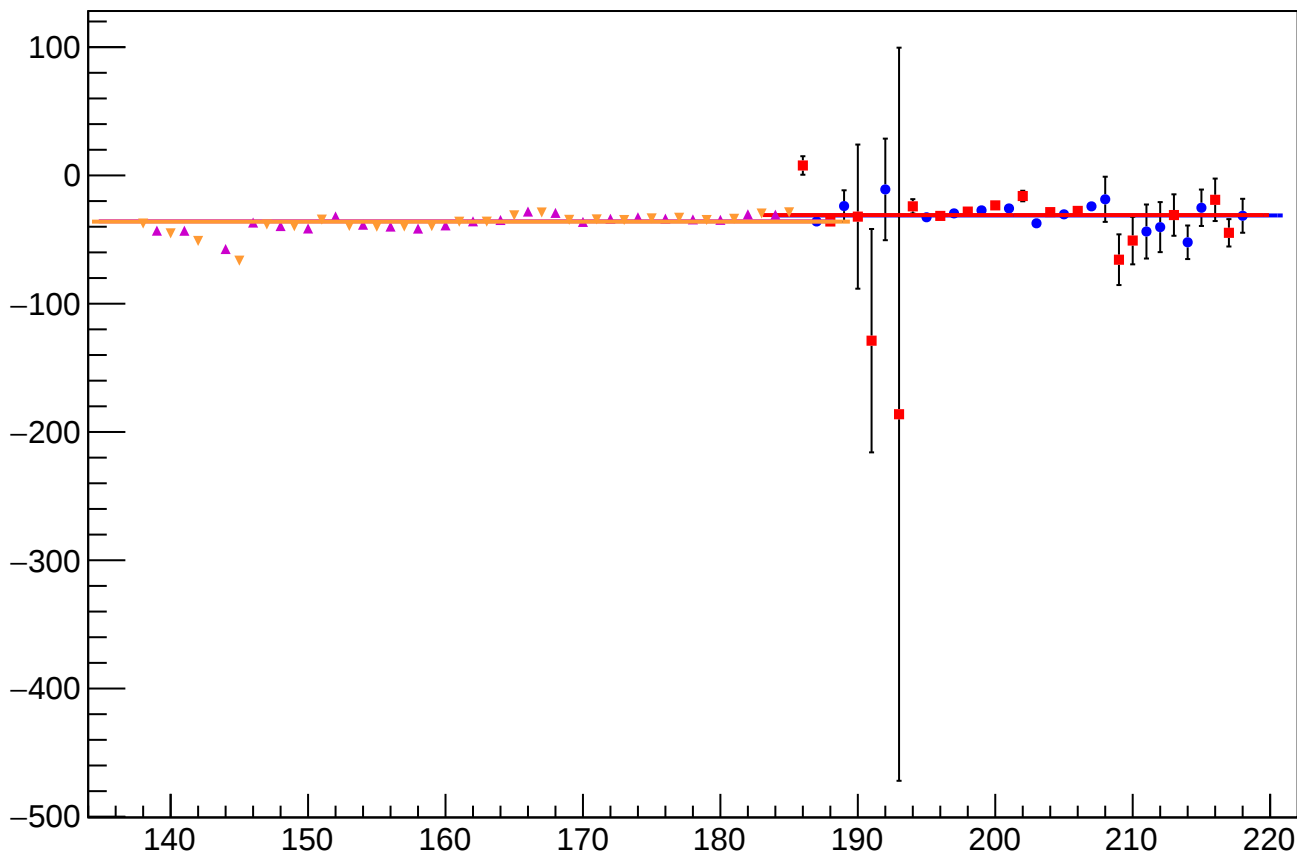
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.980 ± 0.007 χ^2/NDF : 198964.3/55

All: -20.042 ± 0.005 χ^2/NDF : 441758.2/113

- sign -20.104 ± 0.007 χ^2/NDF : 242634.7/57

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: -30.903 ± 0.805 χ^2/NDF : 78.4/16

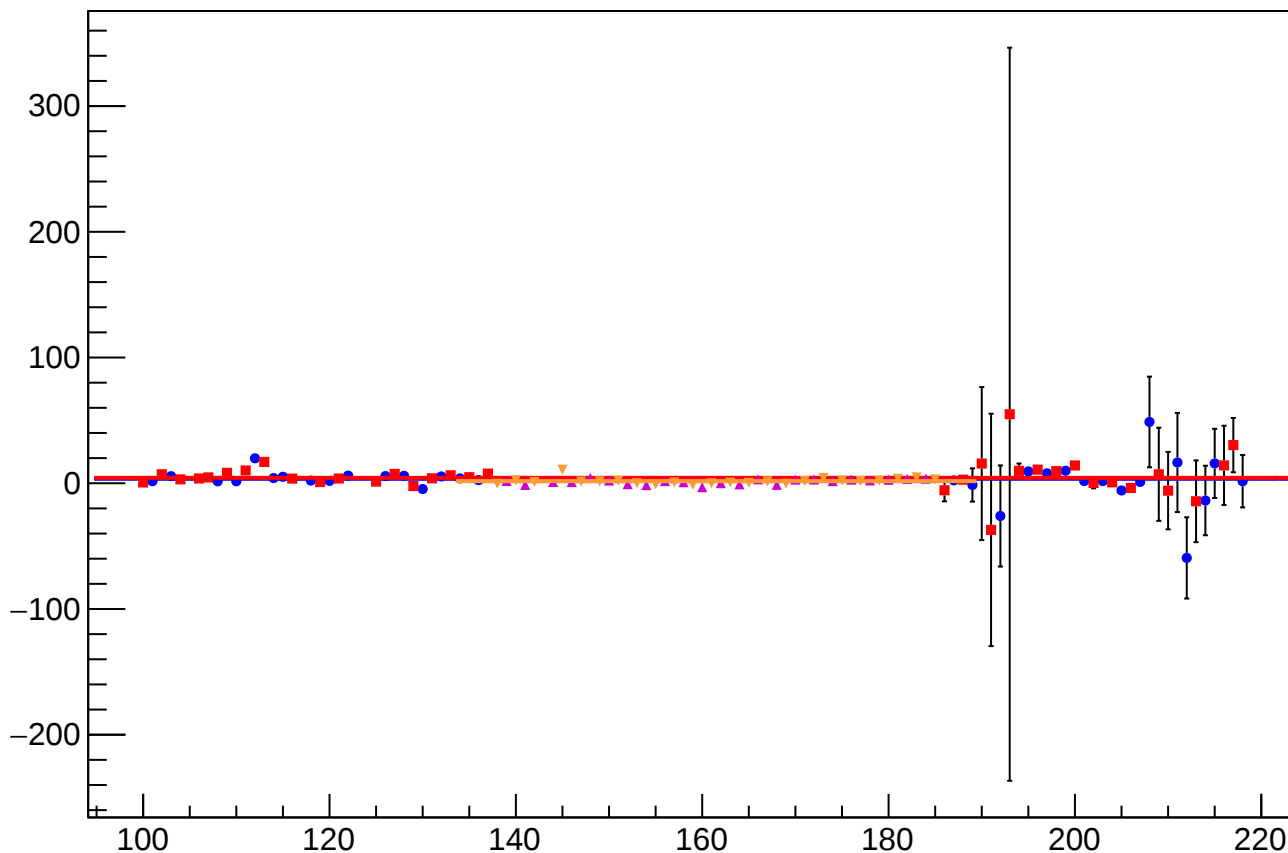
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.799 ± 0.187 χ^2/NDF : 1183.1/39

All: -35.652 ± 0.132 χ^2/NDF : 2139.9/79

- sign -35.507 ± 0.186 χ^2/NDF : 955.6/39

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 : 380.2/34

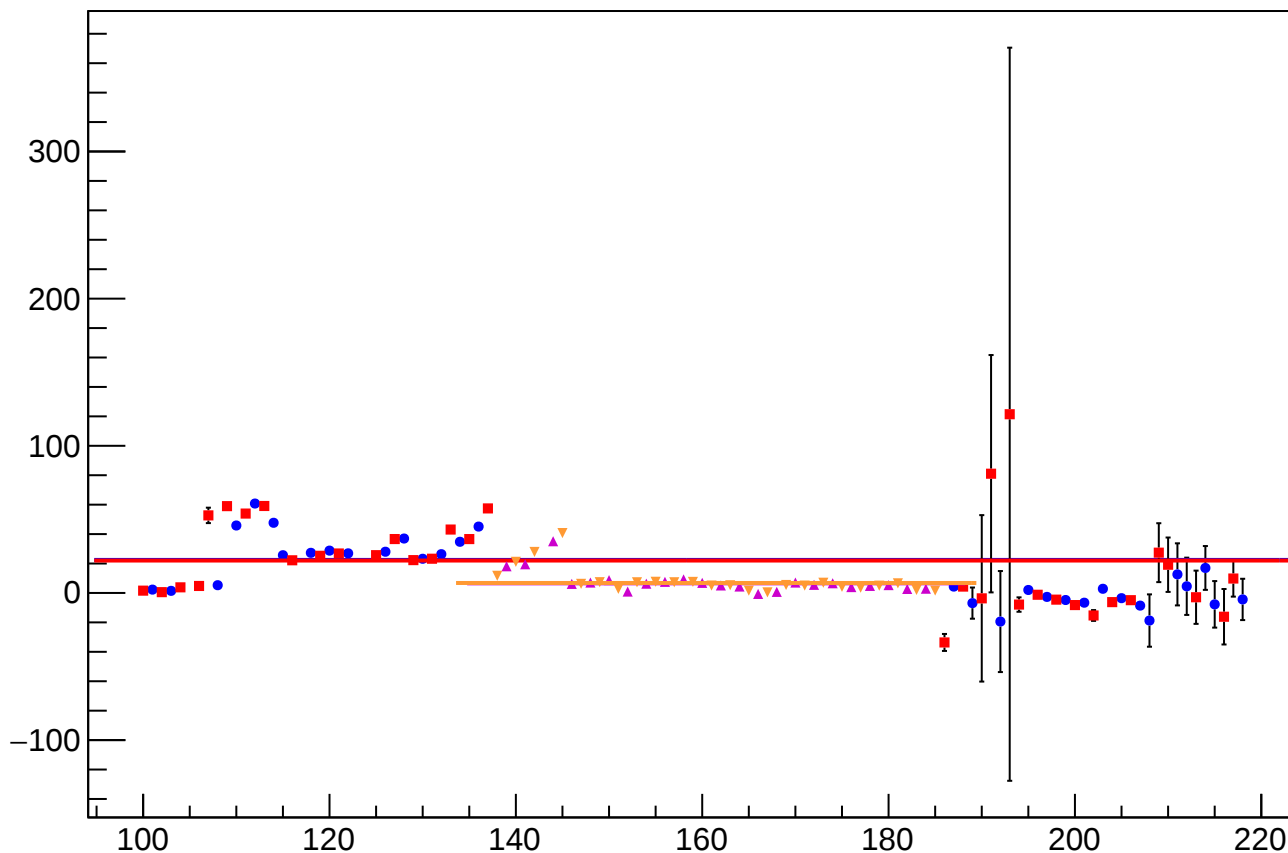
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.309 ± 0.122 χ^2/NDF : 679.7/55

All: 2.427 ± 0.087 χ^2/NDF : 1323.5/113

- sign 2.547 ± 0.123 χ^2/NDF : 642.0/57

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.445 $\pm$ 0.370 χ^2 /NDF: 2708.2/31

Left Out: 6.779 $\pm$ 0.191 χ^2 /NDF: 1297.7/23

Right Out: 22.031 $\pm$ 0.349 χ^2 /NDF: 3666.3/34

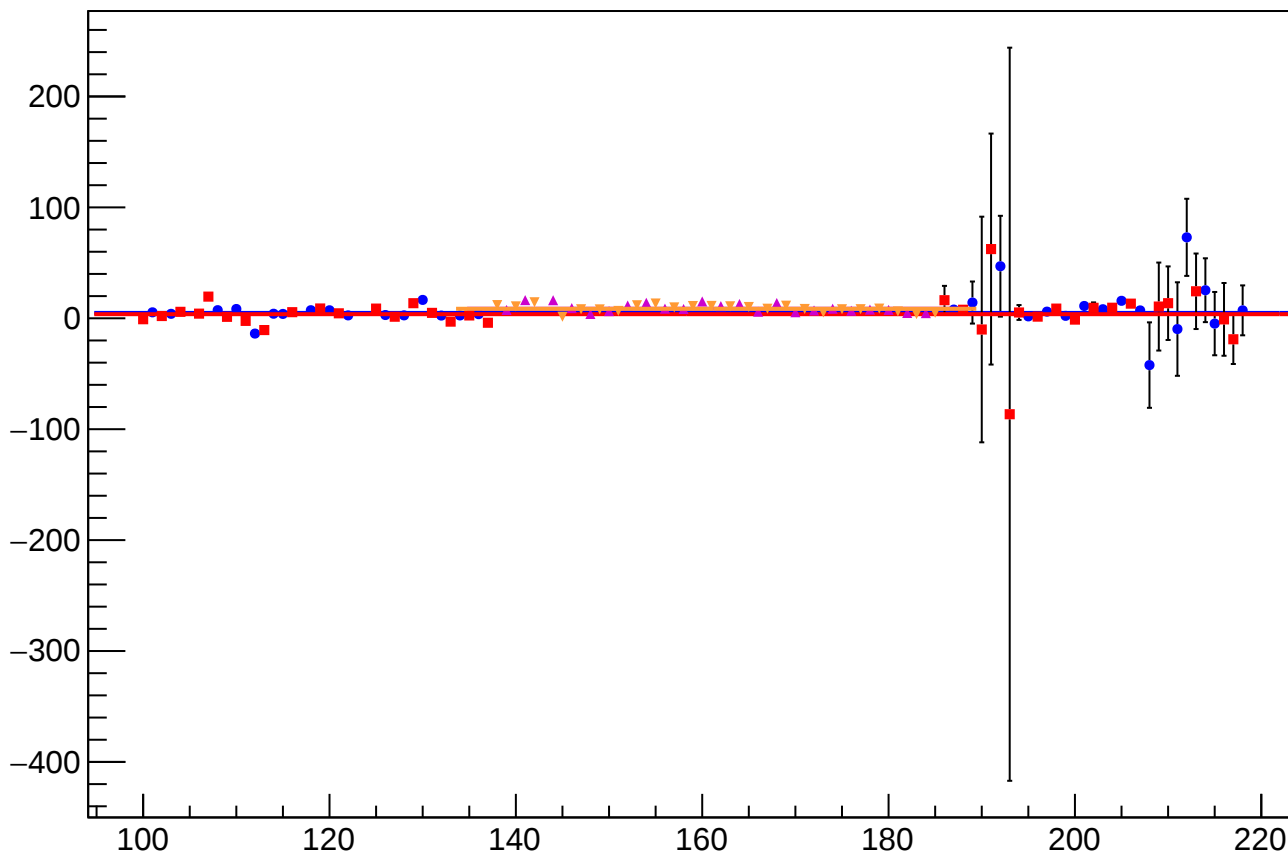
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.089 $\pm$ 0.170 χ^2 /NDF: 5423.0/55

All: 10.089 $\pm$ 0.119 χ^2 /NDF: 11629.9/113

- sign 10.088 $\pm$ 0.167 χ^2 /NDF: 6206.9/57

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: 3.696 ± 0.250 χ^2/NDF : 590.5/34

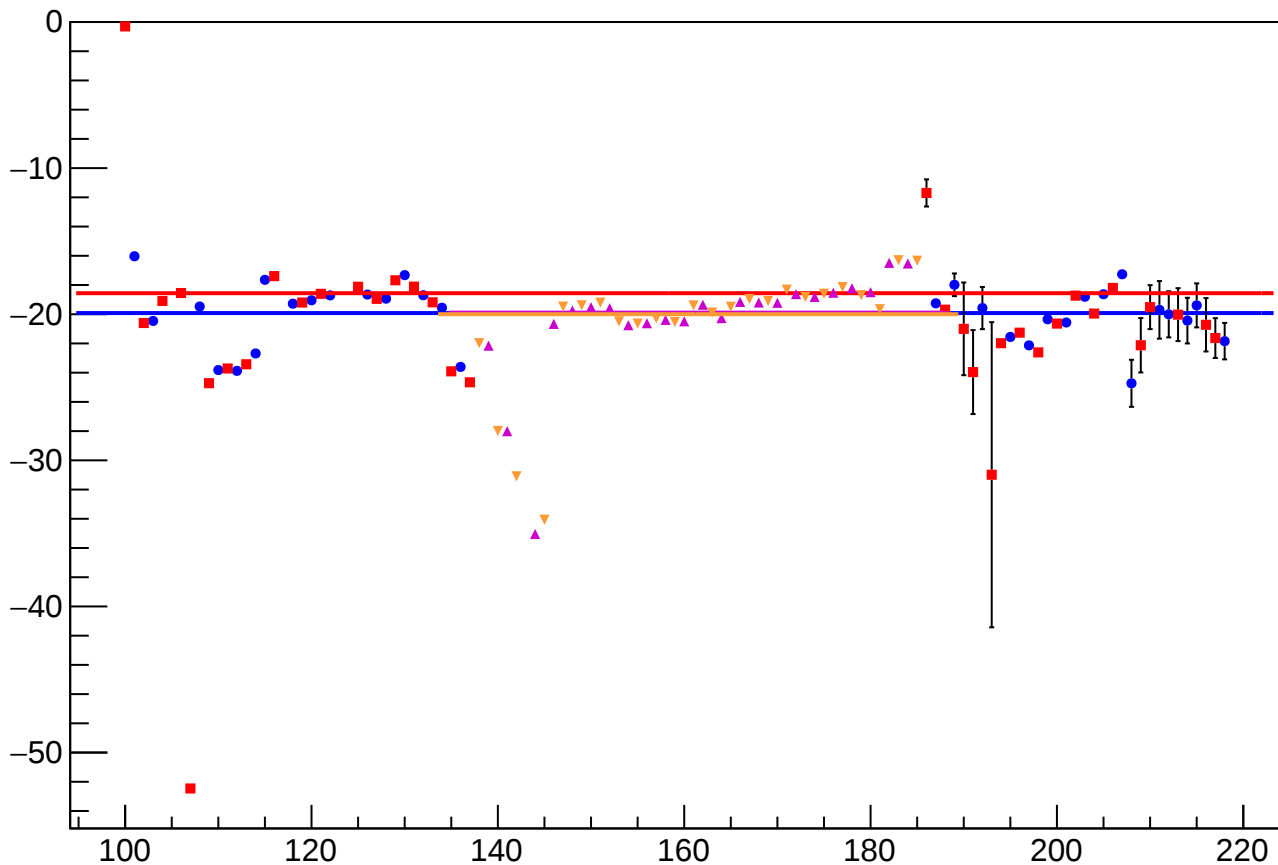
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.414 ± 0.140 χ^2/NDF : 964.0/55

All: 7.227 ± 0.099 χ^2/NDF : 2261.1/113

- sign 7.039 ± 0.141 χ^2/NDF : 1293.5/57

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 $\chi^2/\text{NDF}: 303735.3/34$

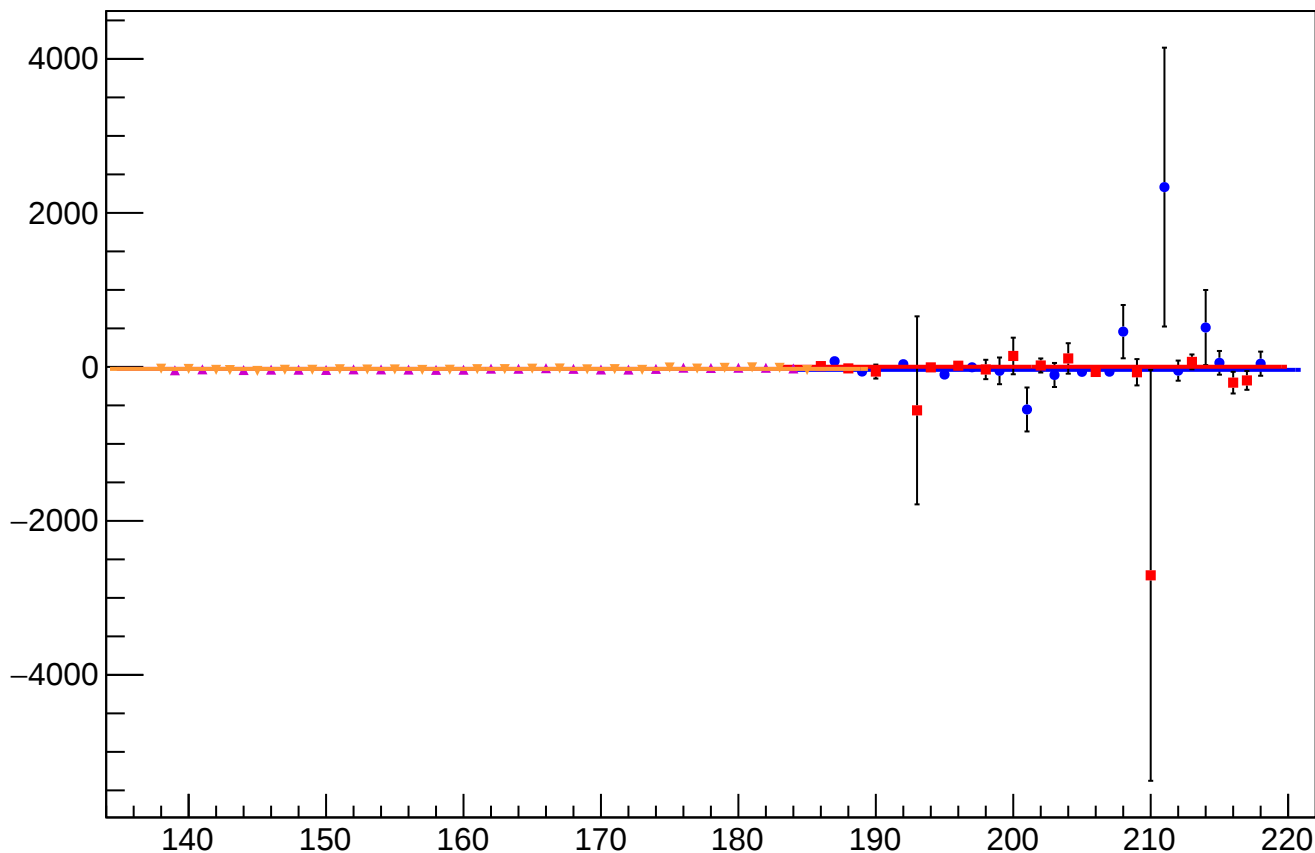
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.981 ± 0.007 $\chi^2/\text{NDF}: 199065.9/55$

All: -19.775 ± 0.005 $\chi^2/\text{NDF}: 655378.3/113$

- sign -19.576 ± 0.007 $\chi^2/\text{NDF}: 454596.2/57$

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: 1.752 ± 8.052 χ^2/NDF : 11.5/15

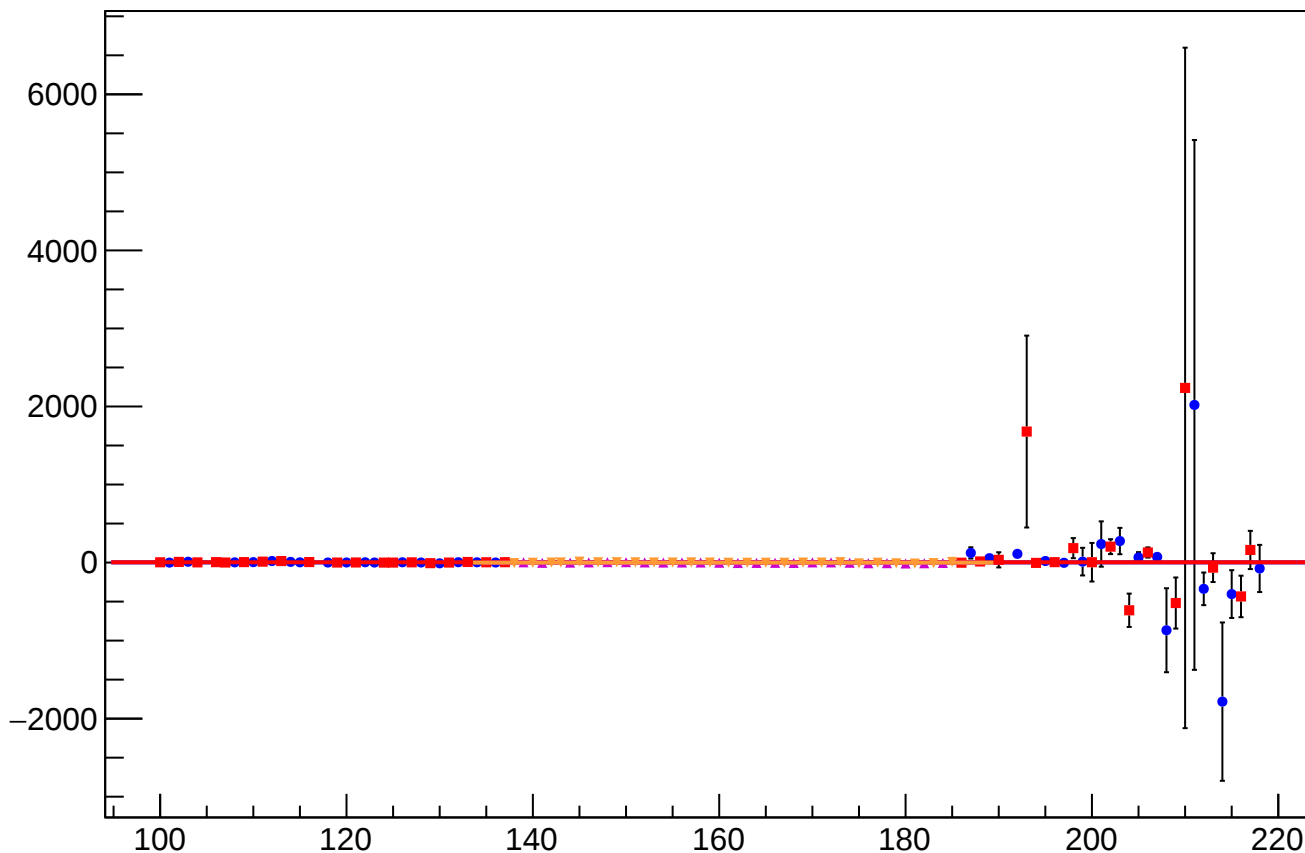
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.887 ± 0.192 χ^2/NDF : 4180.5/40

All: -25.960 ± 0.137 χ^2/NDF : 7483.8/79

- sign -26.036 ± 0.195 χ^2/NDF : 3302.9/38

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 : 295.8/34

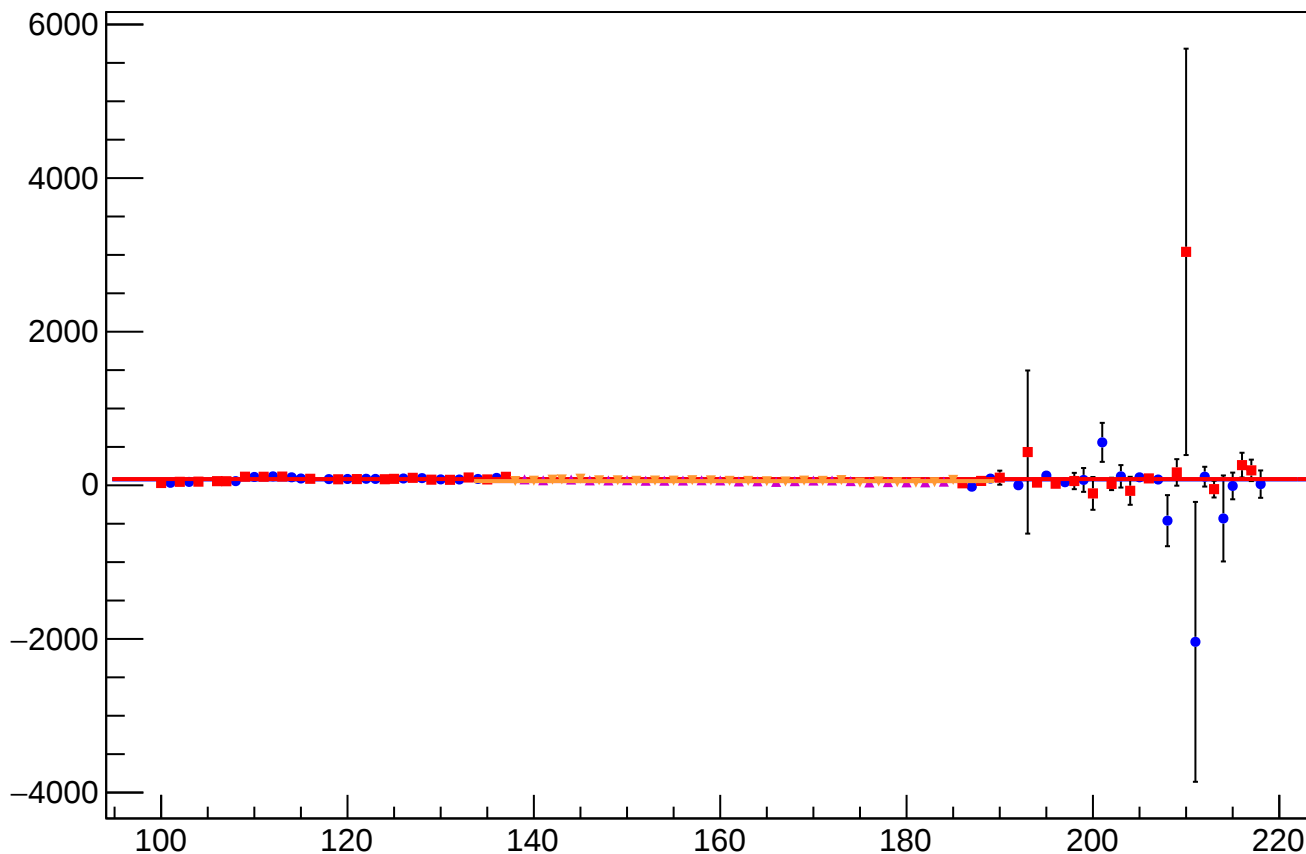
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1726.2/57

All: -0.081+/-0.095 χ^2/NDF : 3250.7/115

- sign -0.062+/-0.137 χ^2/NDF : 1524.4/57

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: 81.492 $\pm$ 0.590 χ^2 /NDF: 1637.5/34

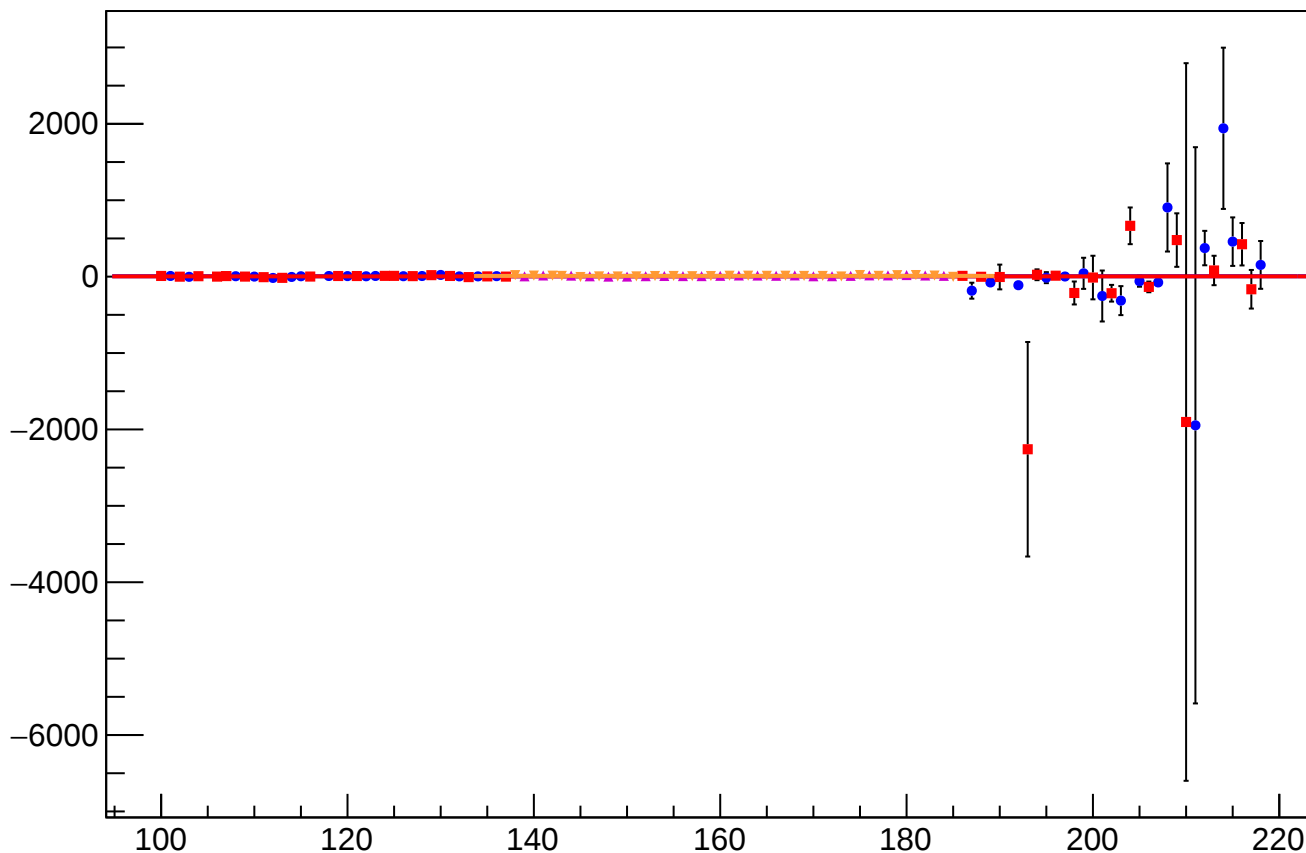
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8100.0/57

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15250.8/115

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7148.4/57

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: 3.581 ± 0.375 $\chi^2/\text{NDF}: 447.0/34$

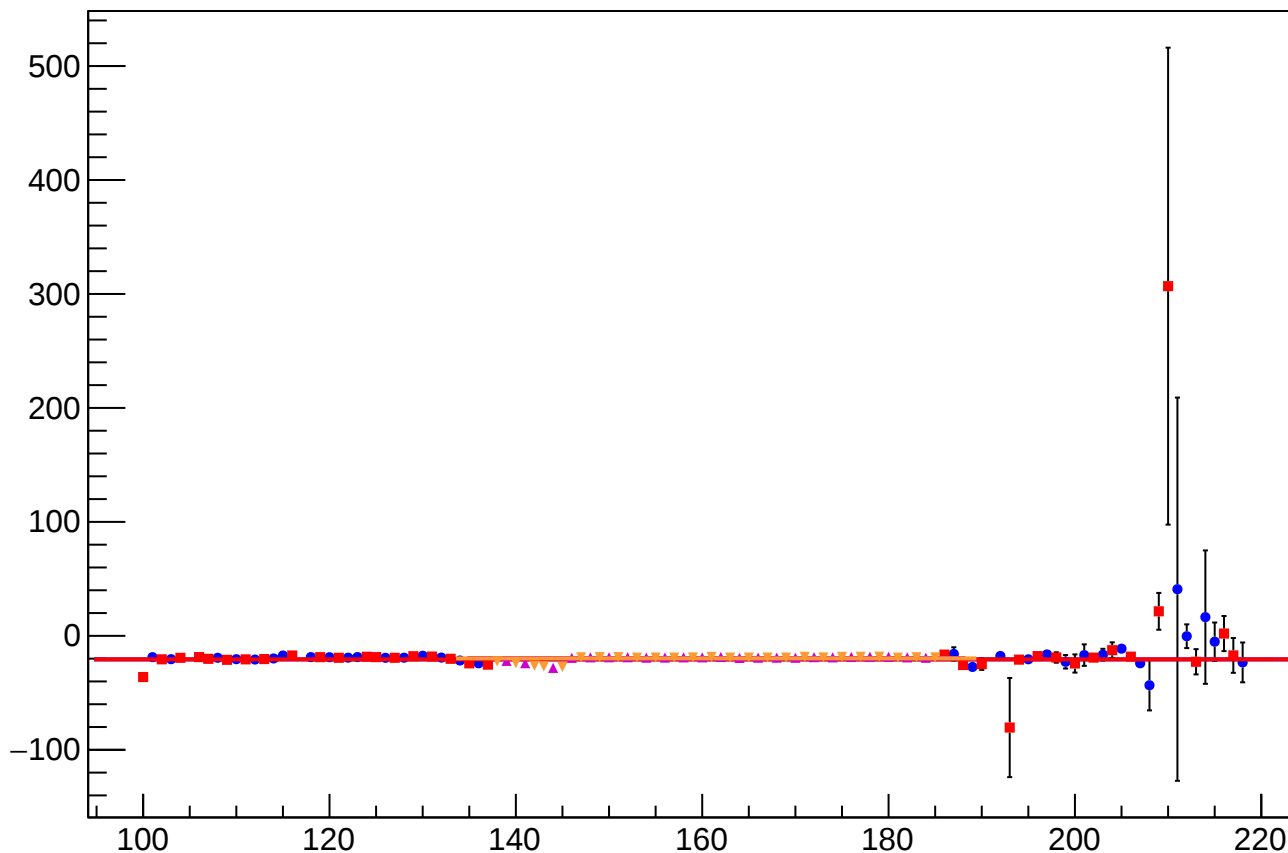
Left In: 9.803 ± 0.172 $\chi^2/\text{NDF}: 1158.7/22$

+ sign 8.968 ± 0.152 $\chi^2/\text{NDF}: 1984.2/57$

All: 8.851 ± 0.109 $\chi^2/\text{NDF}: 3818.4/115$

- sign 8.727 ± 0.156 $\chi^2/\text{NDF}: 1833.0/57$

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 : 13821.4/34

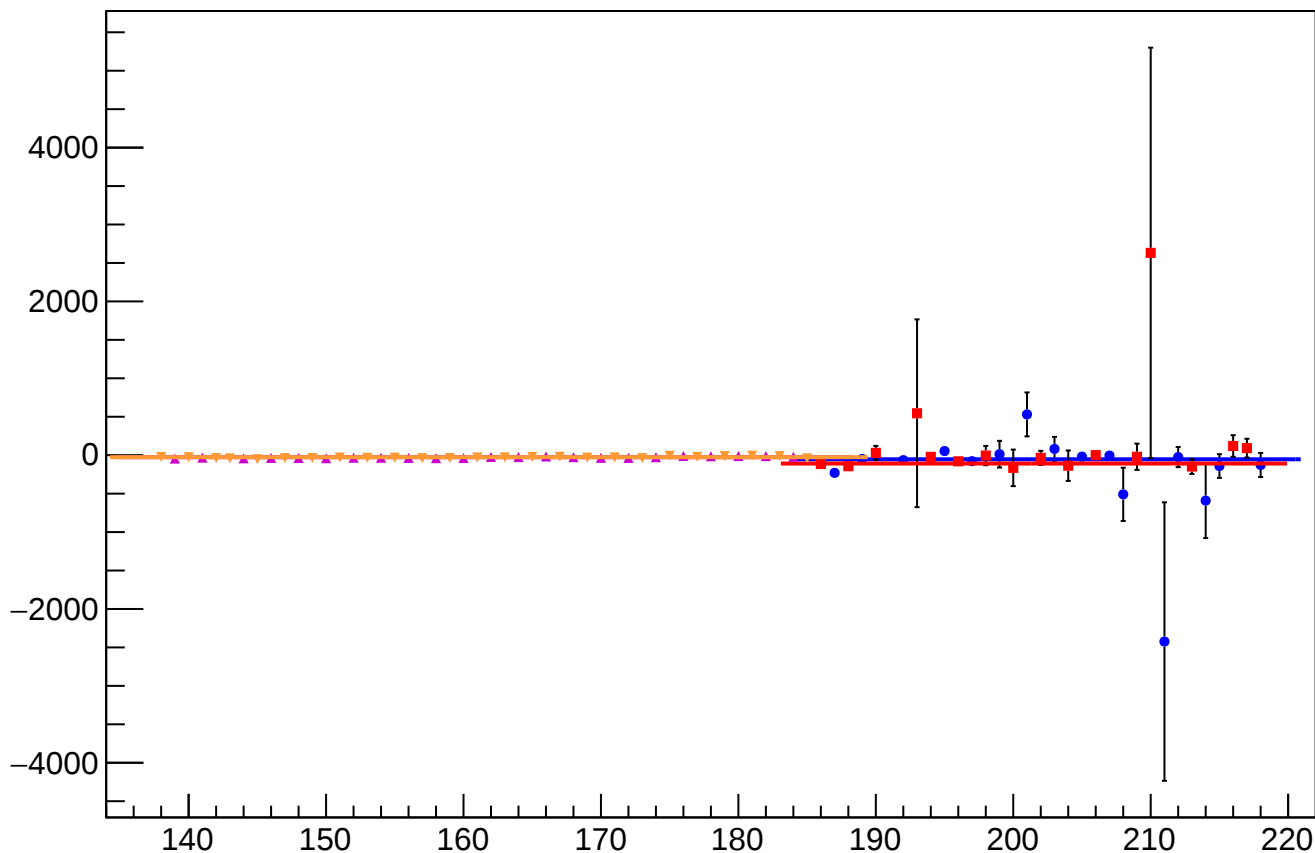
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105838.9/57

All: -19.751 ± 0.005 χ^2/NDF : 176857.7/115

- sign -19.607 ± 0.007 χ^2/NDF : 70266.3/57

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: -108.434 ± 8.057 χ^2/NDF : 22.4/15

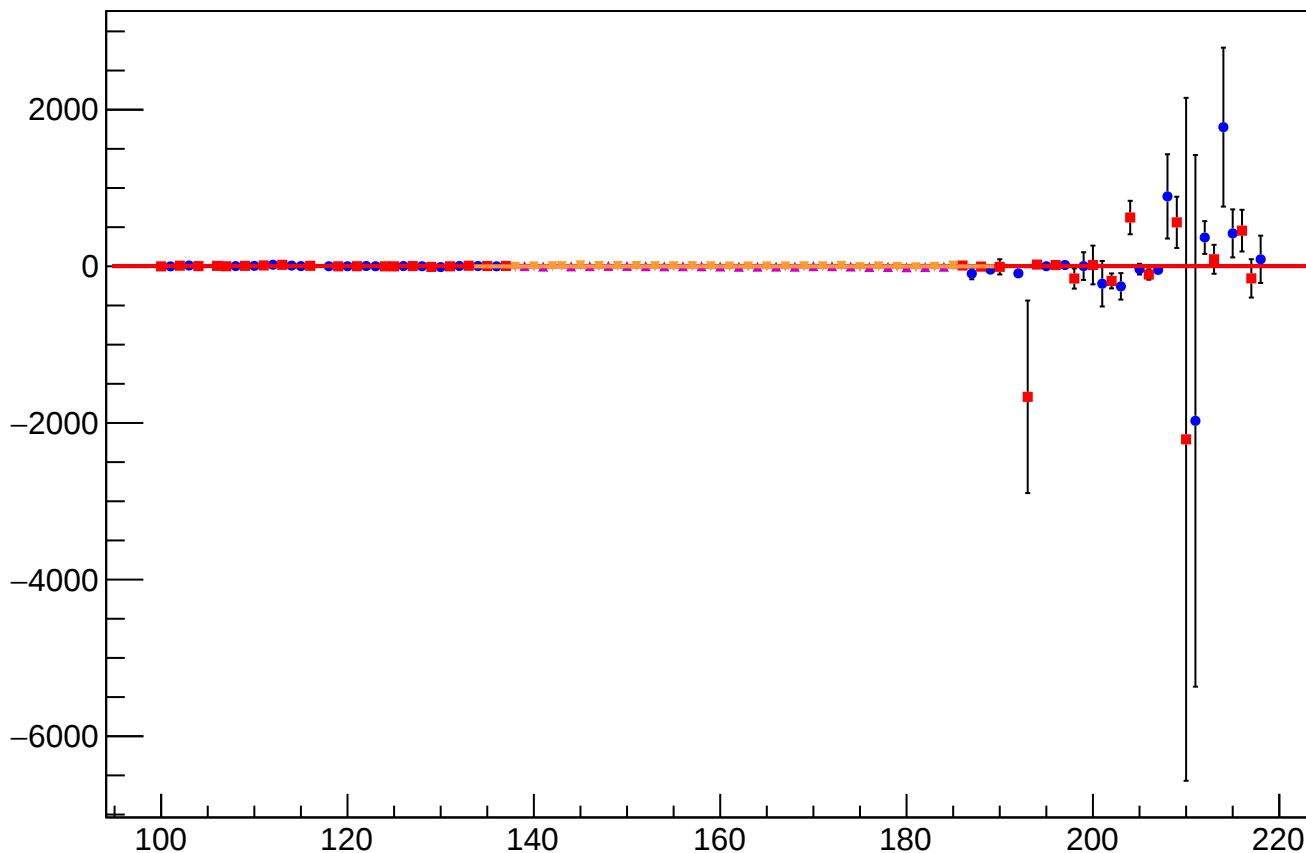
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4164.9/40

All: -25.998 ± 0.137 χ^2/NDF : 7539.0/79

- sign -26.094 ± 0.195 χ^2/NDF : 3373.6/38

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: 3.594 $\pm$ 0.318 χ^2 /NDF: 305.7/34

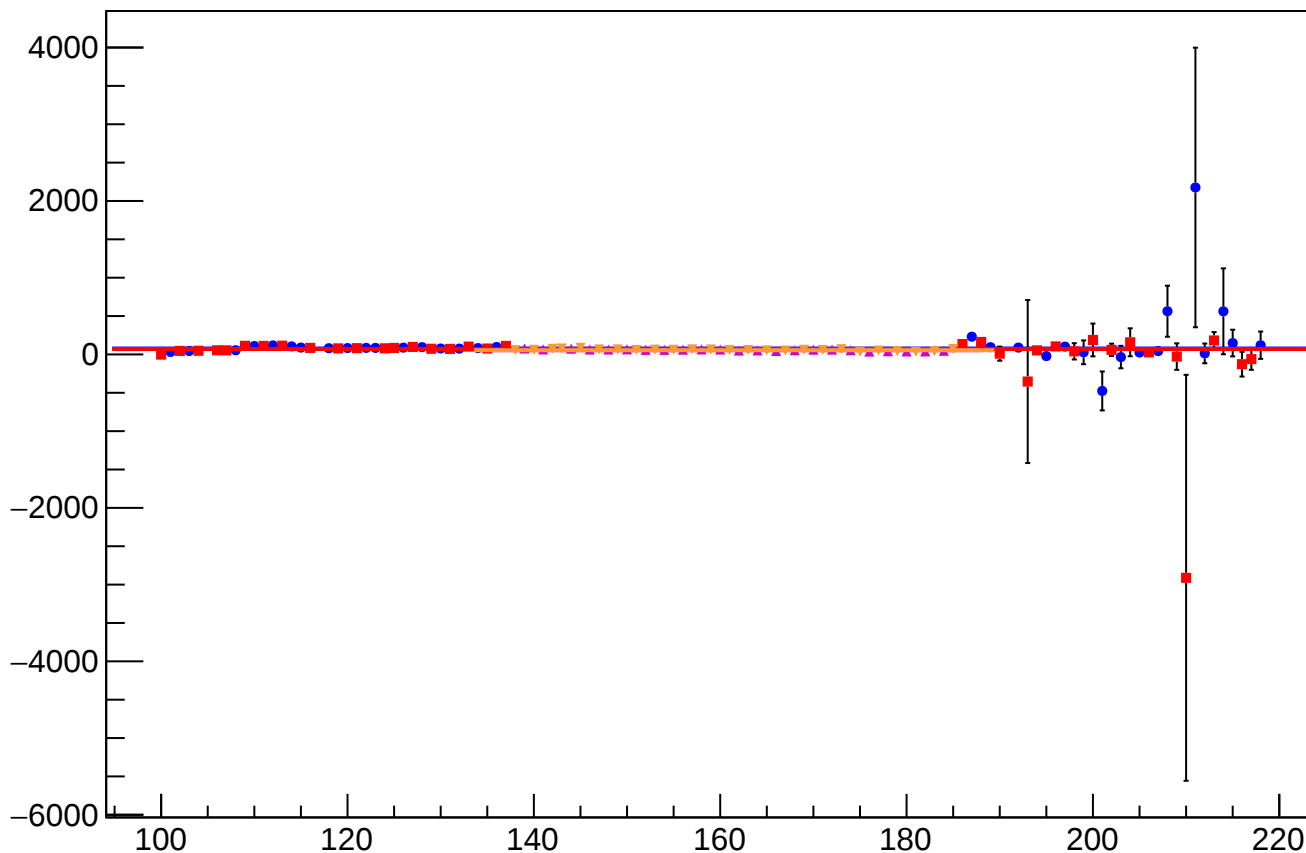
Left In: -0.795 $\pm$ 0.151 χ^2 /NDF: 1106.3/22

+ sign -0.057 $\pm$ 0.133 χ^2 /NDF: 1703.8/57

All: -0.025 $\pm$ 0.095 χ^2 /NDF: 3271.5/115

- sign 0.009 $\pm$ 0.136 χ^2 /NDF: 1567.6/57

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: 70.746 $\pm$ 0.549 χ^2 /NDF: 4497.5/34

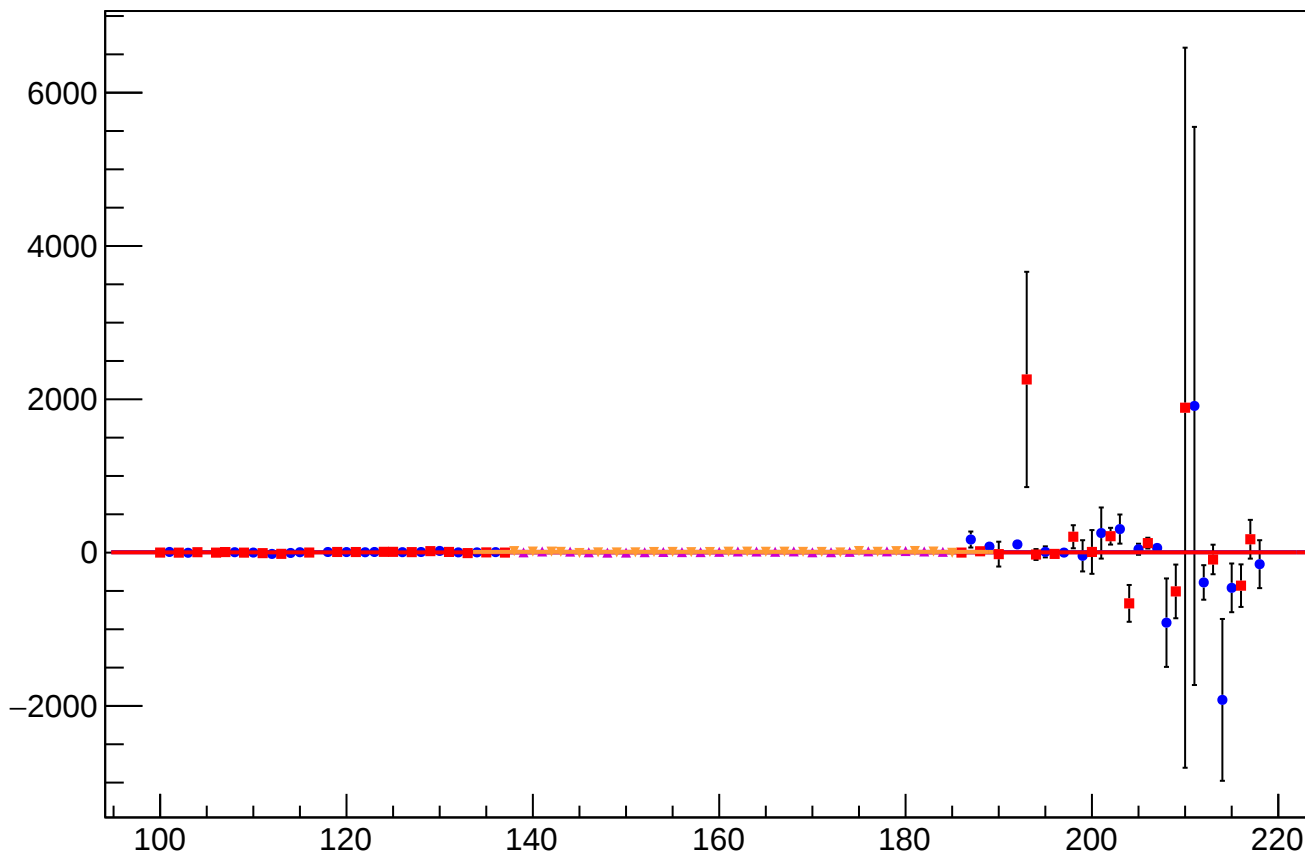
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.259 $\pm$ 0.182 χ^2 /NDF: 8125.4/57

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17014.1/115

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8885.9/57

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.443 ± 0.361 χ^2/NDF : 409.9/32

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.282 ± 0.365 χ^2/NDF : 449.6/34

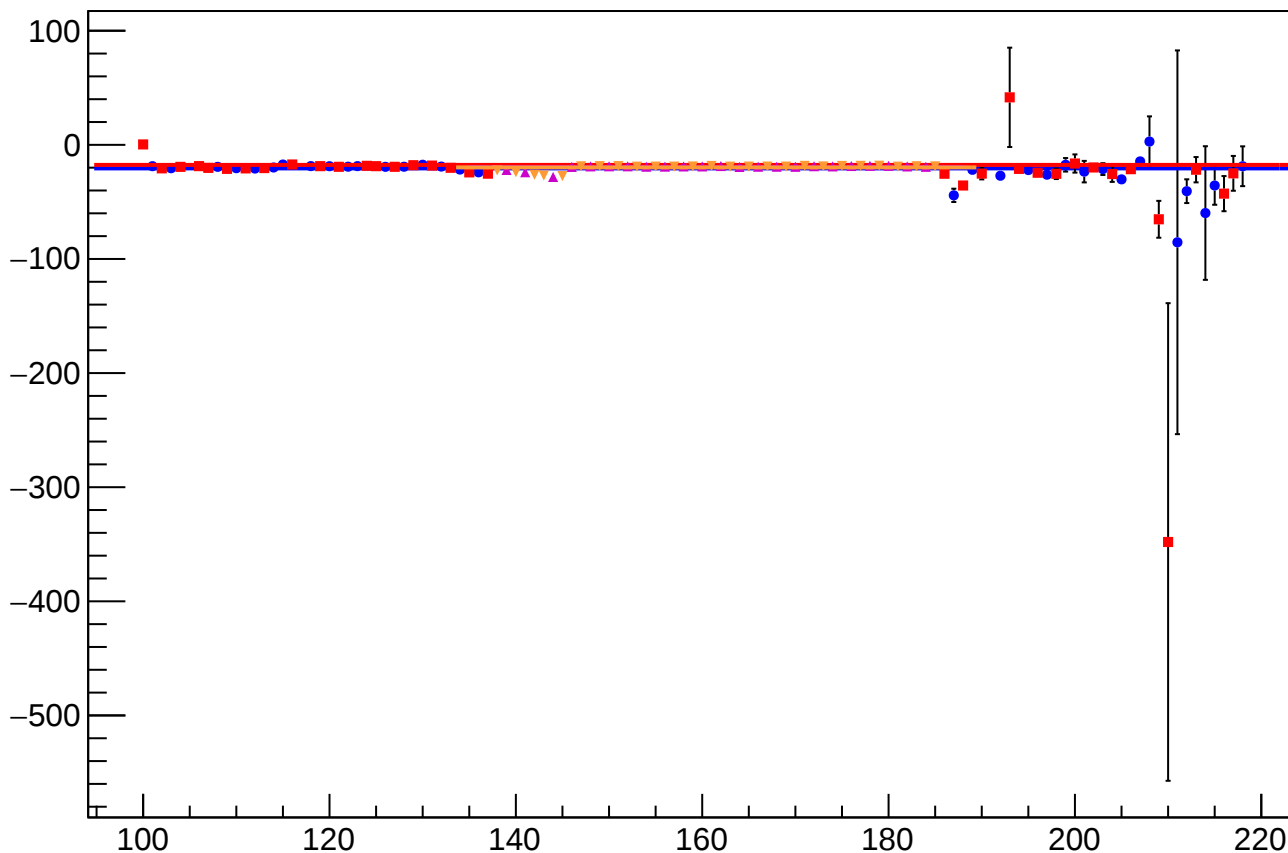
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1964.2/57

All: 8.750 ± 0.109 χ^2/NDF : 3863.2/115

- sign 8.570 ± 0.155 χ^2/NDF : 1896.3/57

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 : 178455.8/34

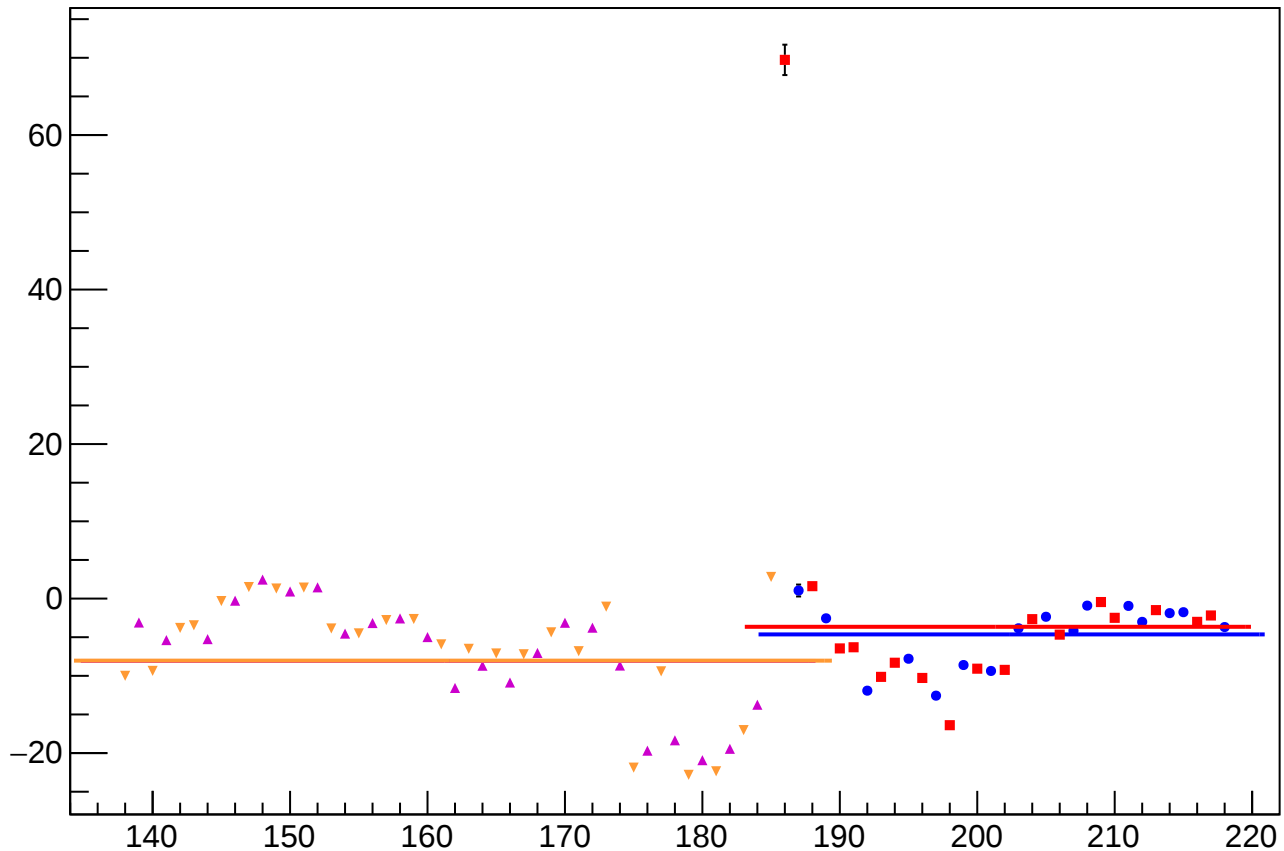
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105770.1/57

All: -19.518 ± 0.005 χ^2/NDF : 351748.2/115

- sign -19.140 ± 0.007 χ^2/NDF : 240567.0/57

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: -3.652 ± 0.090 χ^2/NDF : 4163.5/16

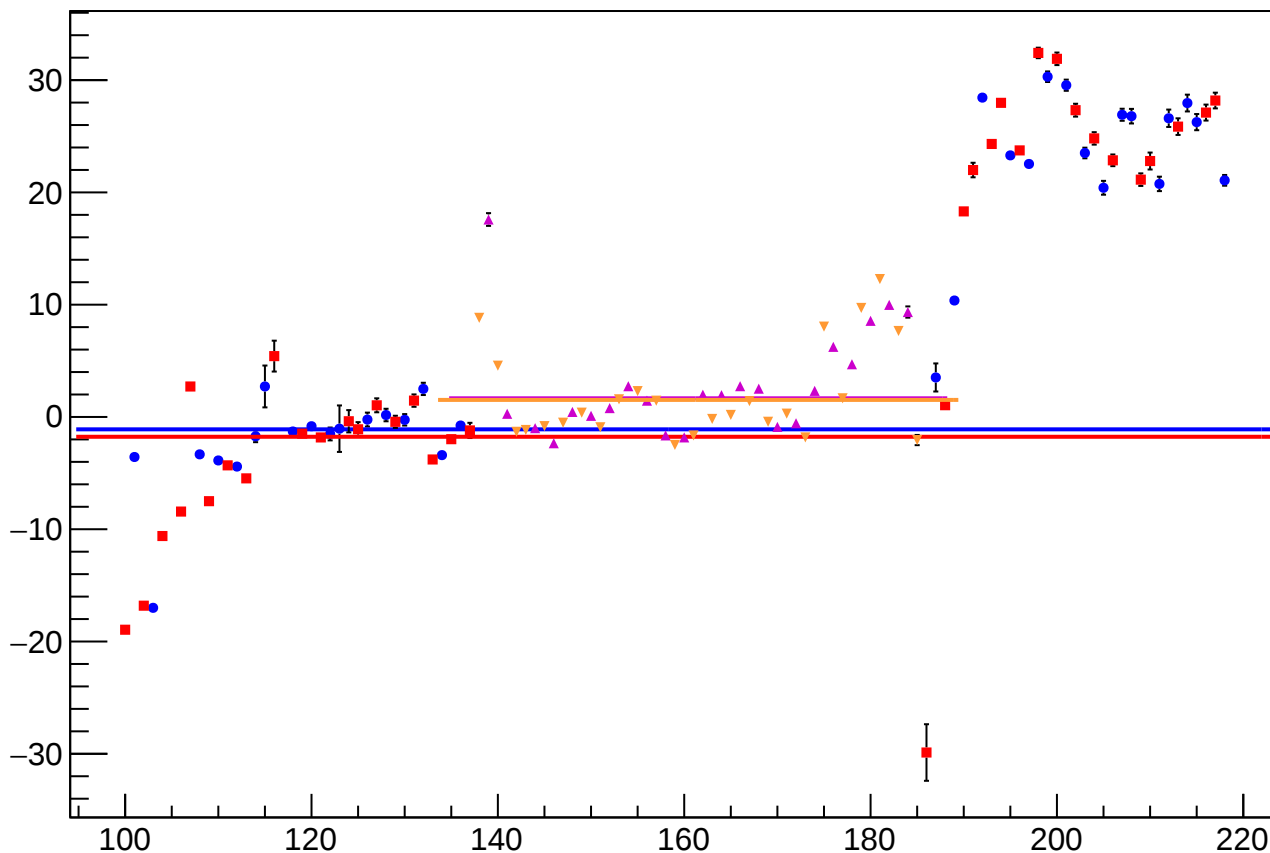
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -6.855 ± 0.057 χ^2/NDF : 14939.9/40

All: -6.595 ± 0.040 χ^2/NDF : 31171.7/80

- sign -6.342 ± 0.056 χ^2/NDF : 16190.5/39

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: -1.764 ± 0.053 χ^2/NDF : 61496.1/35

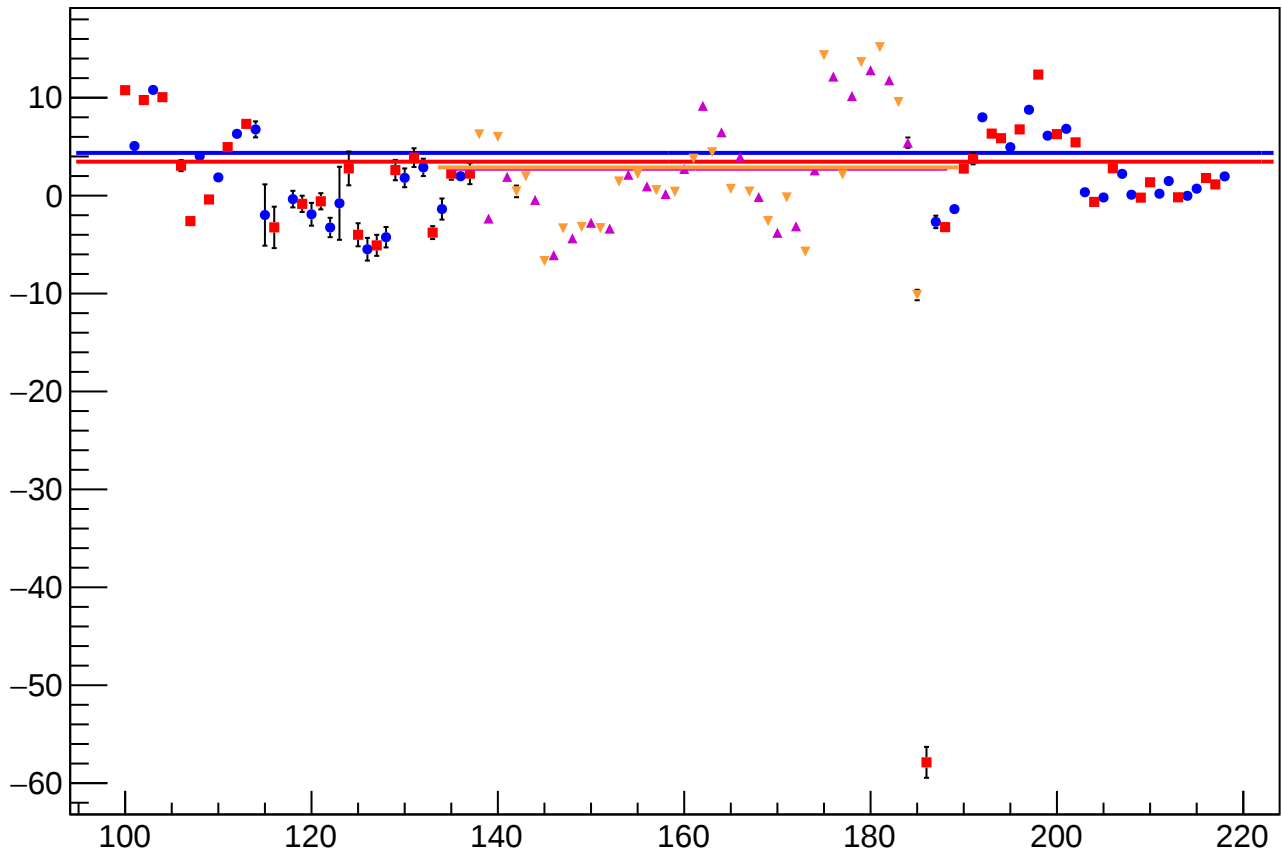
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign 0.115 ± 0.037 χ^2/NDF : 59038.9/57

All: -0.017 ± 0.027 χ^2/NDF : 126547.5/116

- sign -0.161 ± 0.039 χ^2/NDF : 67482.0/58

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: 3.466 ± 0.062 χ^2/NDF : 8124.1/35

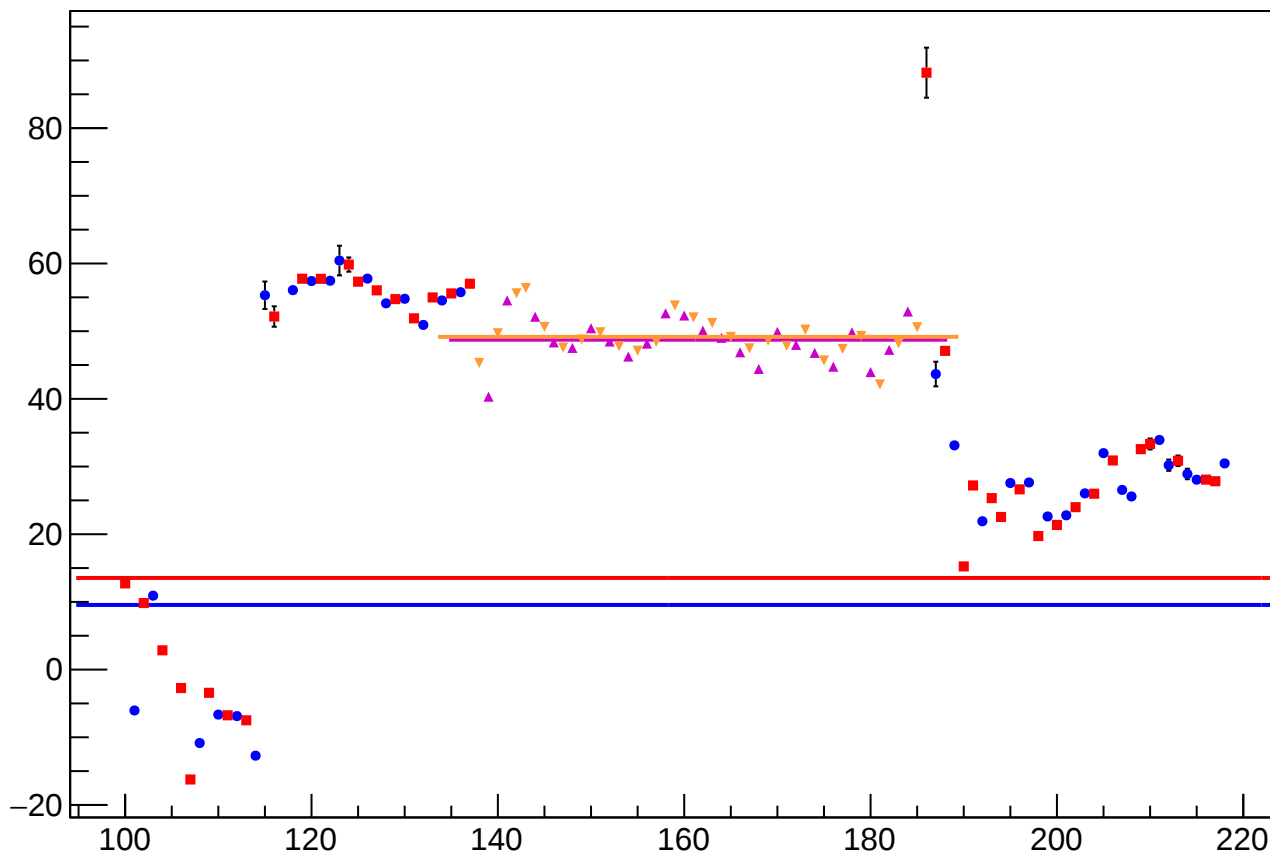
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.688 ± 0.048 χ^2/NDF : 12481.9/57

All: 3.418 ± 0.033 χ^2/NDF : 27910.5/116

- sign 3.157 ± 0.047 χ^2/NDF : 15365.3/58

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.551 ± 0.060 χ^2/NDF : 137944.9/32

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 13.539 ± 0.063 χ^2/NDF : 138551.5/35

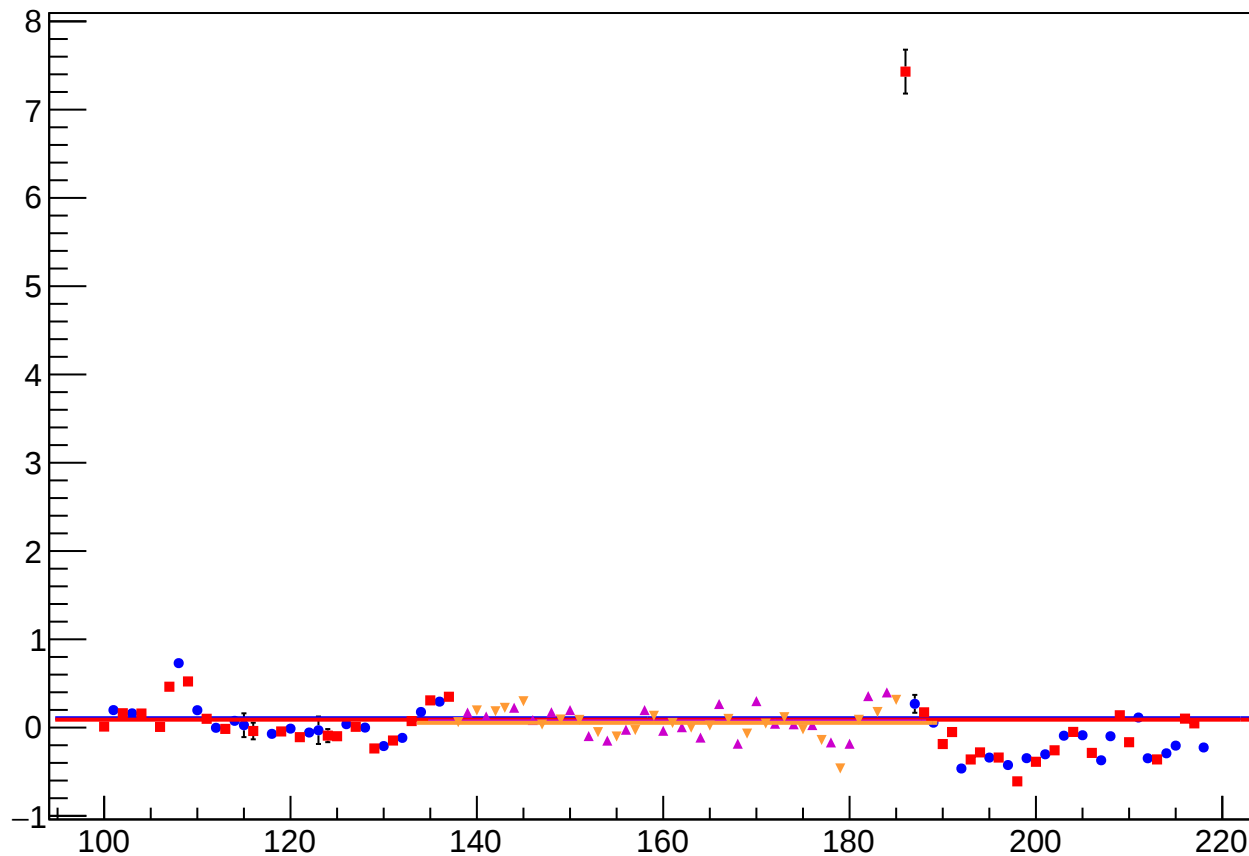
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.627 ± 0.043 χ^2/NDF : 353610.7/57

All: 29.704 ± 0.031 χ^2/NDF : 650250.8/116

- sign 30.879 ± 0.045 χ^2/NDF : 295318.5/58

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.106 $\pm$ 0.002 χ^2 /NDF: 11998.4/32

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF: 2379.8/24

Right Out: 0.090 $\pm$ 0.002 χ^2 /NDF: 11111.8/35

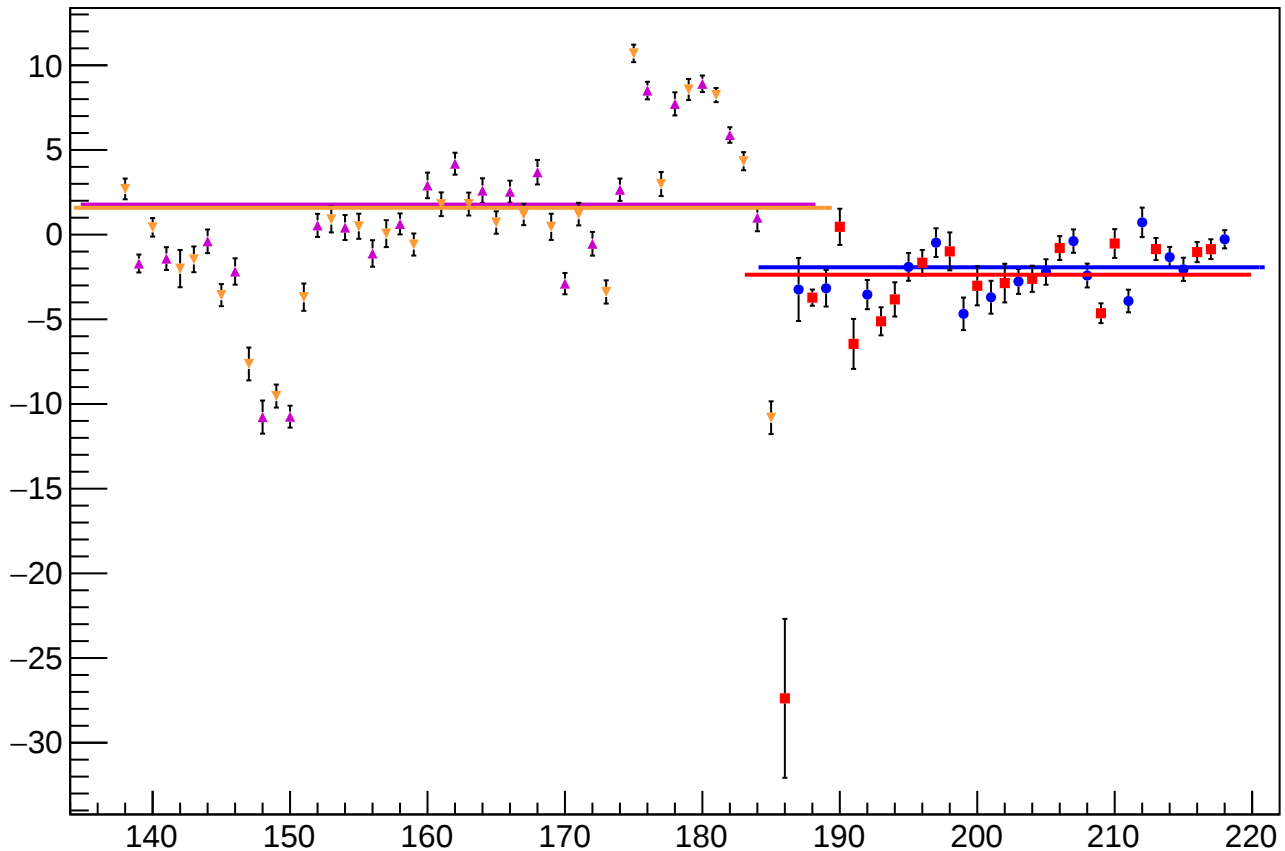
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF: 3233.8/22

+ sign 0.084 $\pm$ 0.002 χ^2 /NDF: 14572.9/57

All: 0.083 $\pm$ 0.001 χ^2 /NDF: 28946.2/116

- sign 0.082 $\pm$ 0.002 χ^2 /NDF: 14372.7/58

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.928 ± 0.192 χ^2/NDF : 55.4/15

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.367 ± 0.188 χ^2/NDF : 109.2/16

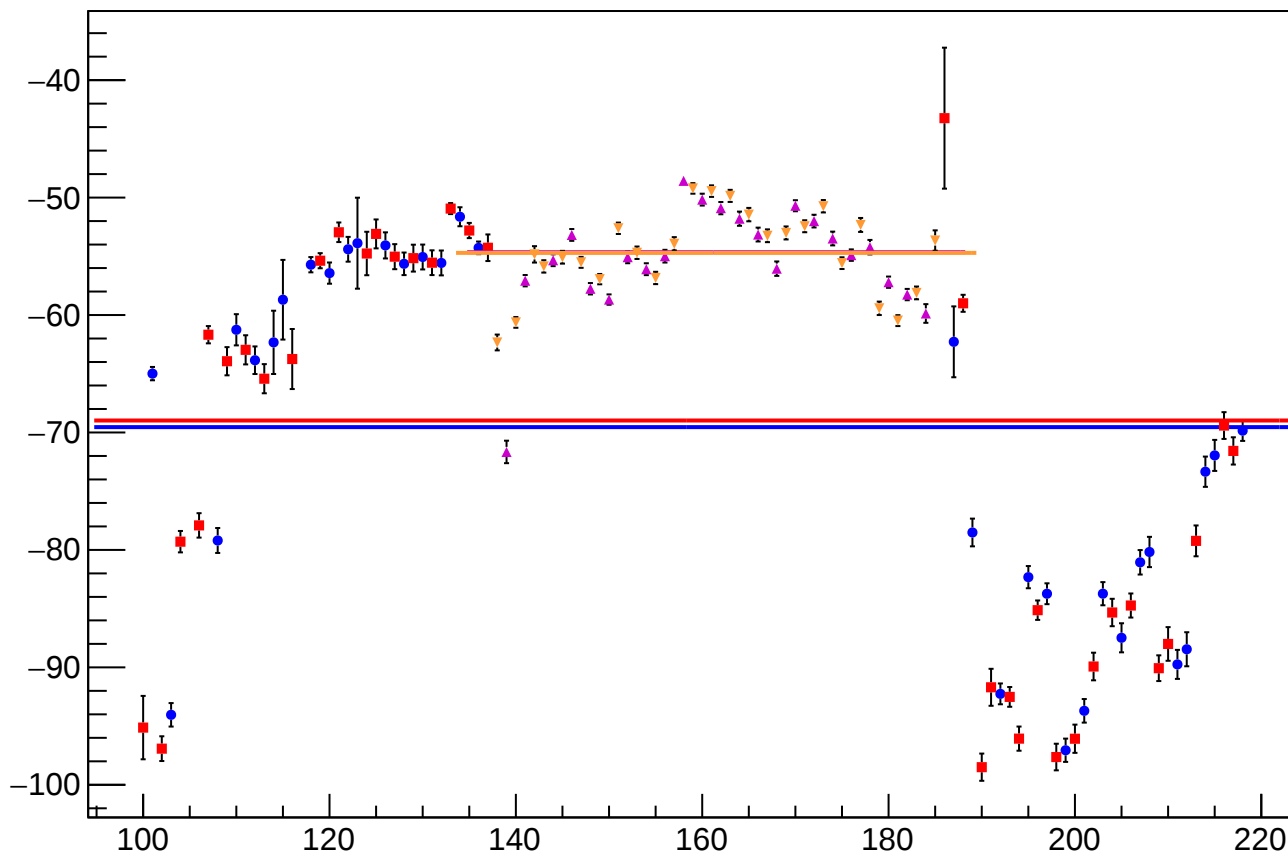
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.449 ± 0.109 χ^2/NDF : 1740.6/40

All: 0.404 ± 0.077 χ^2/NDF : 3468.0/80

- sign 0.359 ± 0.110 χ^2/NDF : 1727.0/39

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: -68.981 ± 0.166 $\chi^2/\text{NDF}: 10379.9/35$

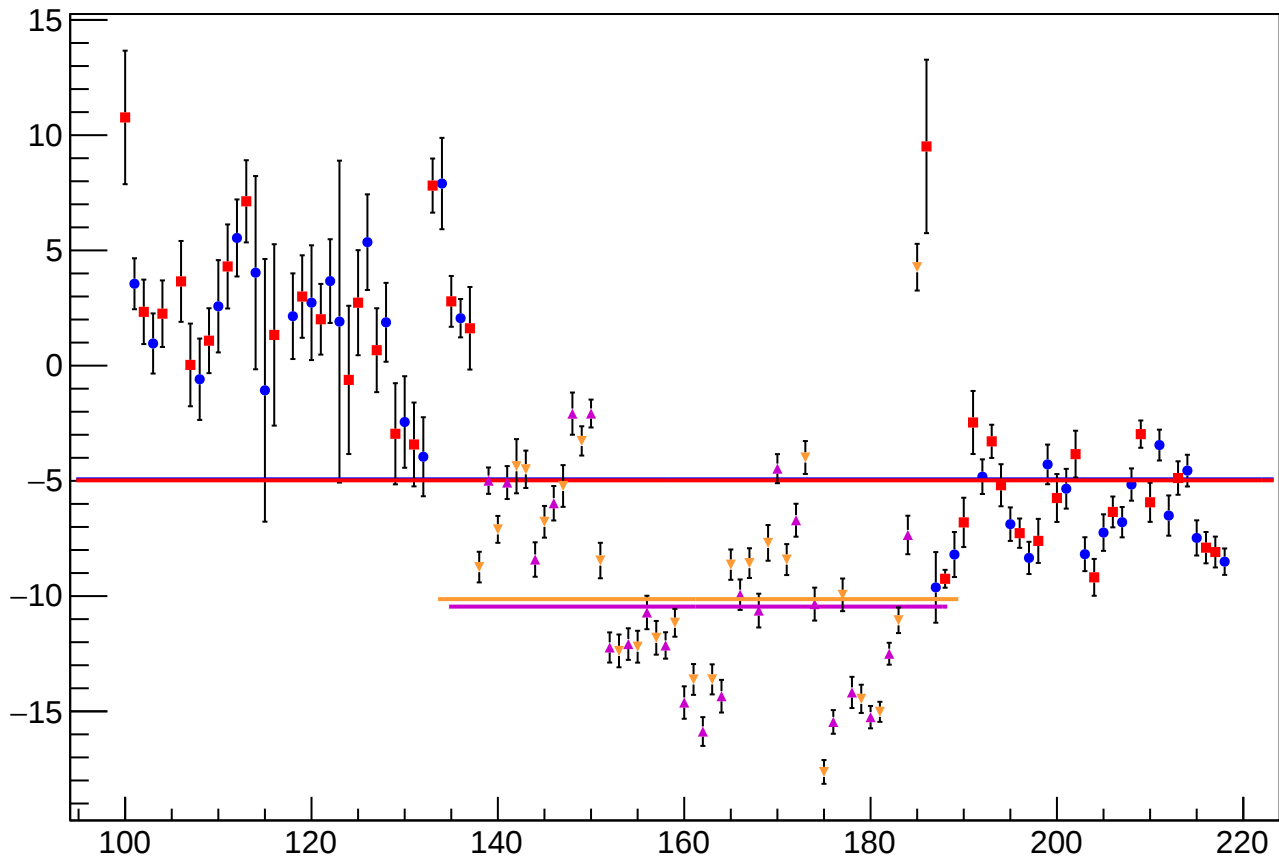
Left In: -54.650 ± 0.110 $\chi^2/\text{NDF}: 1077.1/22$

+ sign -58.707 ± 0.090 $\chi^2/\text{NDF}: 13773.7/57$

All: -58.862 ± 0.064 $\chi^2/\text{NDF}: 30434.3/116$

- sign -59.021 ± 0.092 $\chi^2/\text{NDF}: 16654.7/58$

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: -4.977 ± 0.163 χ^2/NDF : 709.3/35

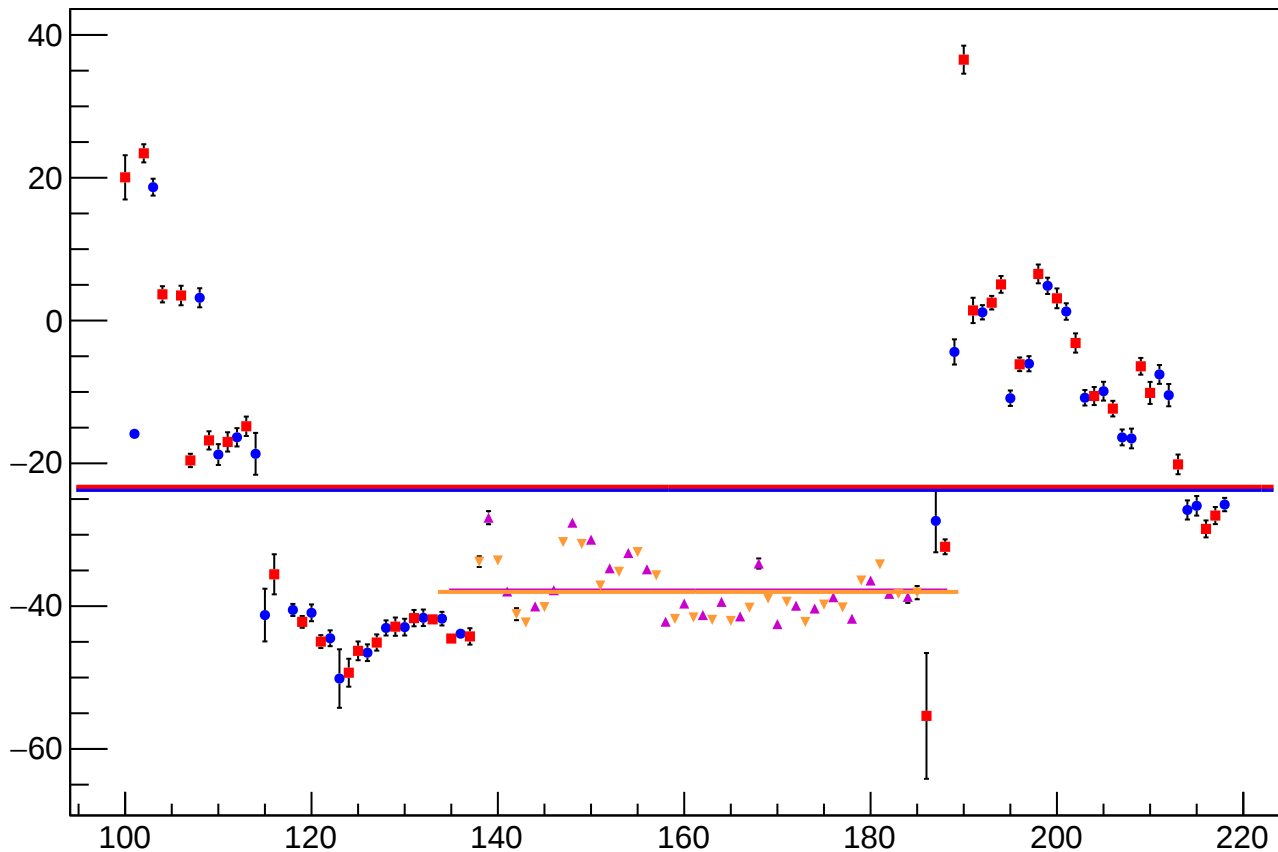
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.178 ± 0.105 χ^2/NDF : 2124.0/57

All: -8.205 ± 0.074 χ^2/NDF : 4508.3/116

- sign -8.232 ± 0.104 χ^2/NDF : 2384.2/58

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: -23.278 ± 0.191 $\chi^2/\text{NDF}: 11928.4/35$

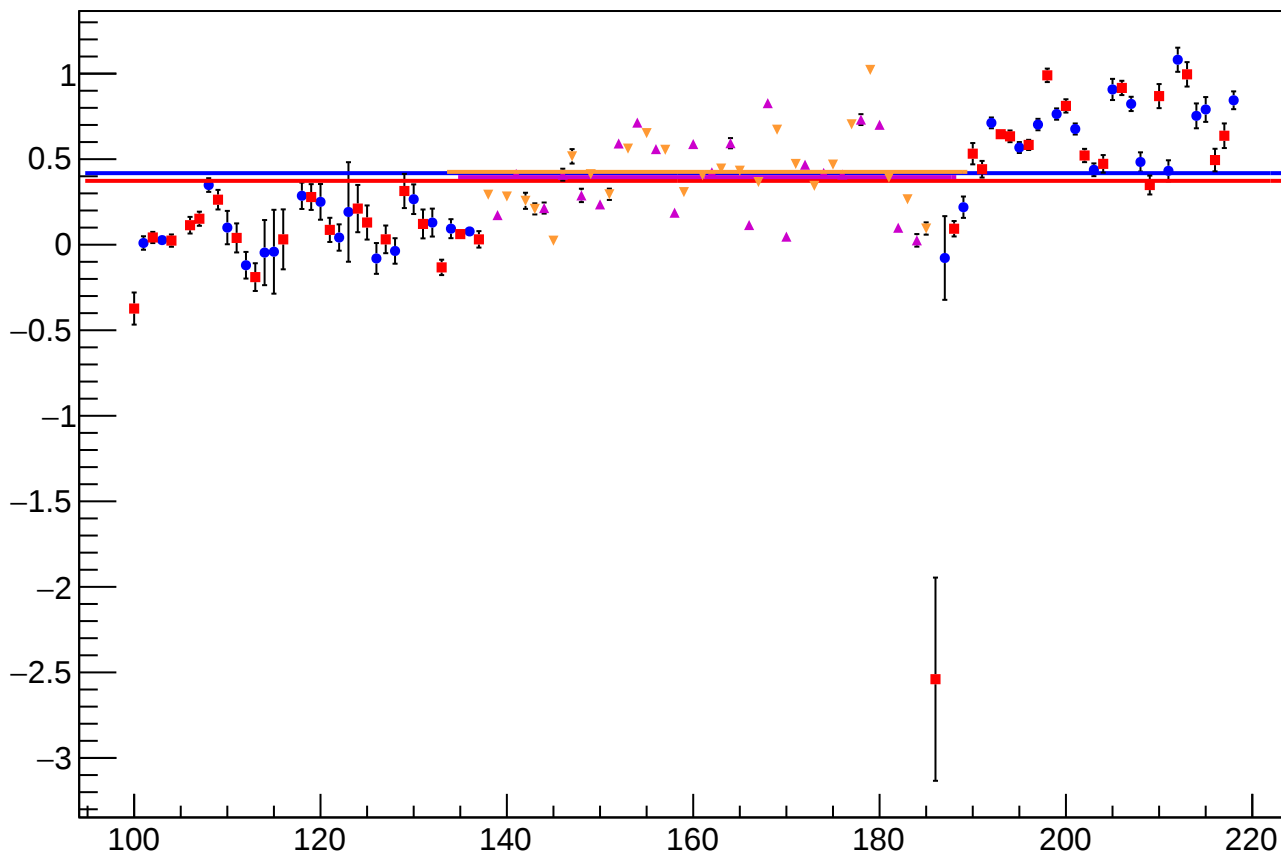
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -34.190 ± 0.102 $\chi^2/\text{NDF}: 13487.0/57$

All: -33.893 ± 0.072 $\chi^2/\text{NDF}: 30574.1/116$

- sign -33.588 ± 0.103 $\chi^2/\text{NDF}: 17069.8/58$

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: 0.373 $\pm$ 0.008 χ^2 /NDF: 1723.5/35

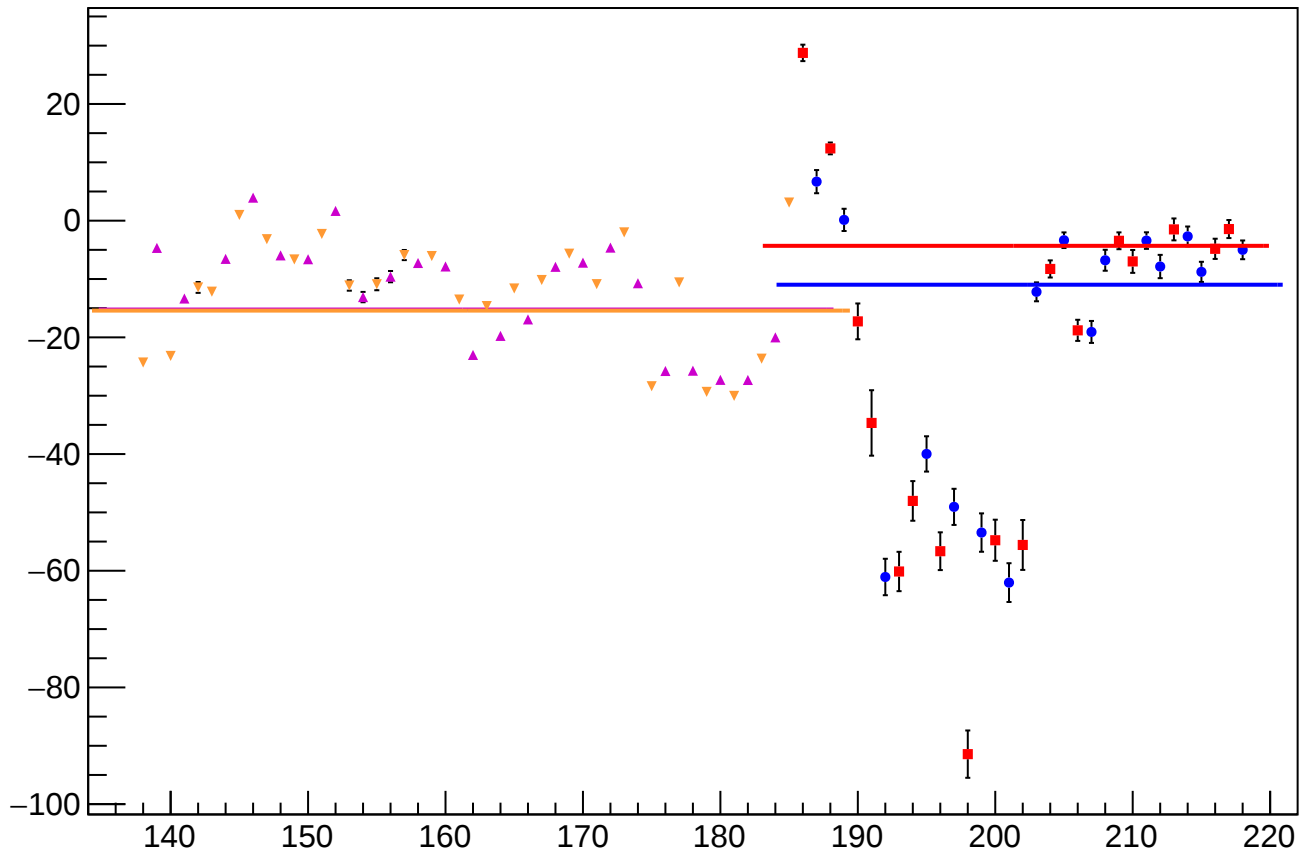
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.424 $\pm$ 0.005 χ^2 /NDF: 2775.1/57

All: 0.406 $\pm$ 0.003 χ^2 /NDF: 6332.1/116

- sign 0.388 $\pm$ 0.005 χ^2 /NDF: 3526.6/58

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: -4.312 ± 0.465 $\chi^2/\text{NDF}: 2460.5/16$

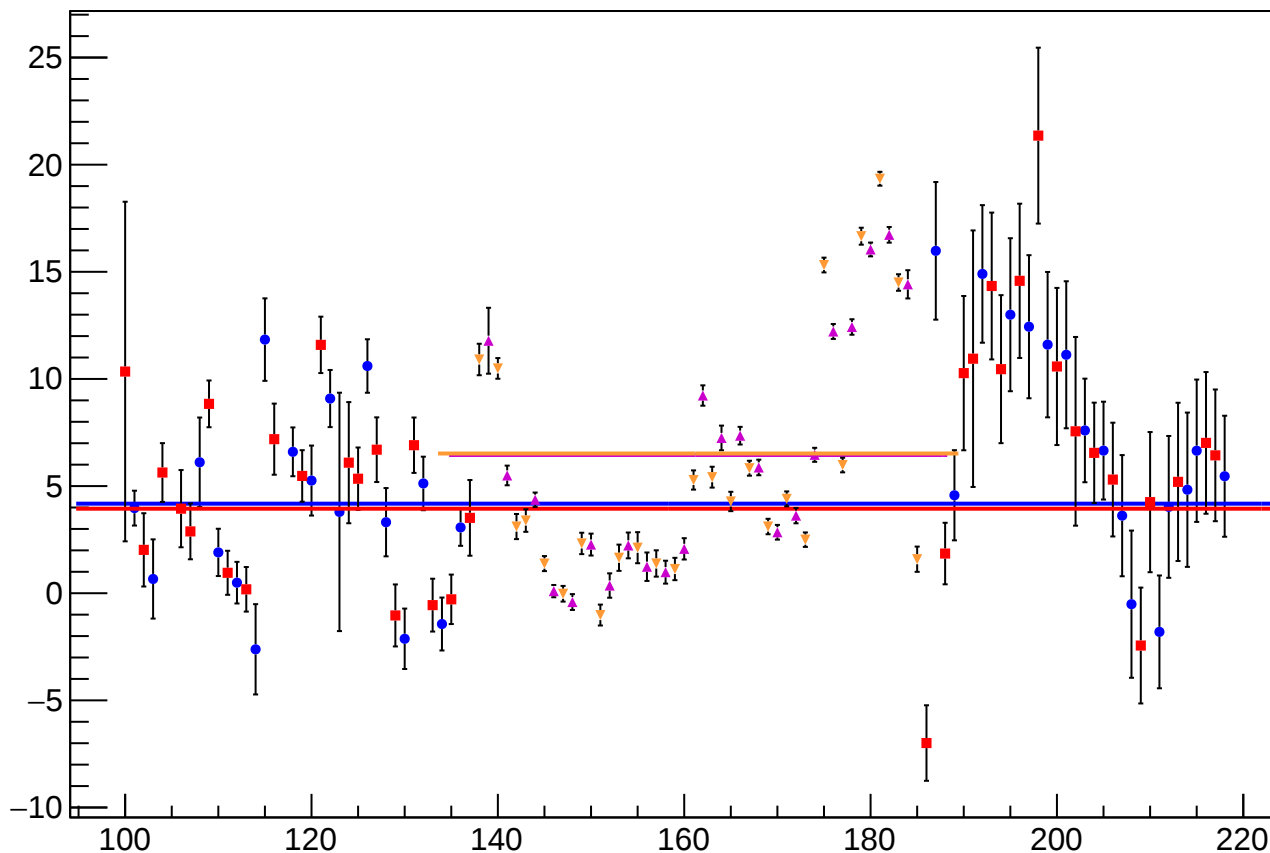
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.208 ± 0.103 $\chi^2/\text{NDF}: 11734.8/40$

All: -14.948 ± 0.073 $\chi^2/\text{NDF}: 23389.6/80$

- sign -14.683 ± 0.104 $\chi^2/\text{NDF}: 11641.9/39$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.179 ± 0.286 $\chi^2/\text{NDF}: 194.5/32$

Left Out: 6.521 ± 0.085 $\chi^2/\text{NDF}: 4985.2/24$

Right Out: 3.945 ± 0.287 $\chi^2/\text{NDF}: 230.9/35$

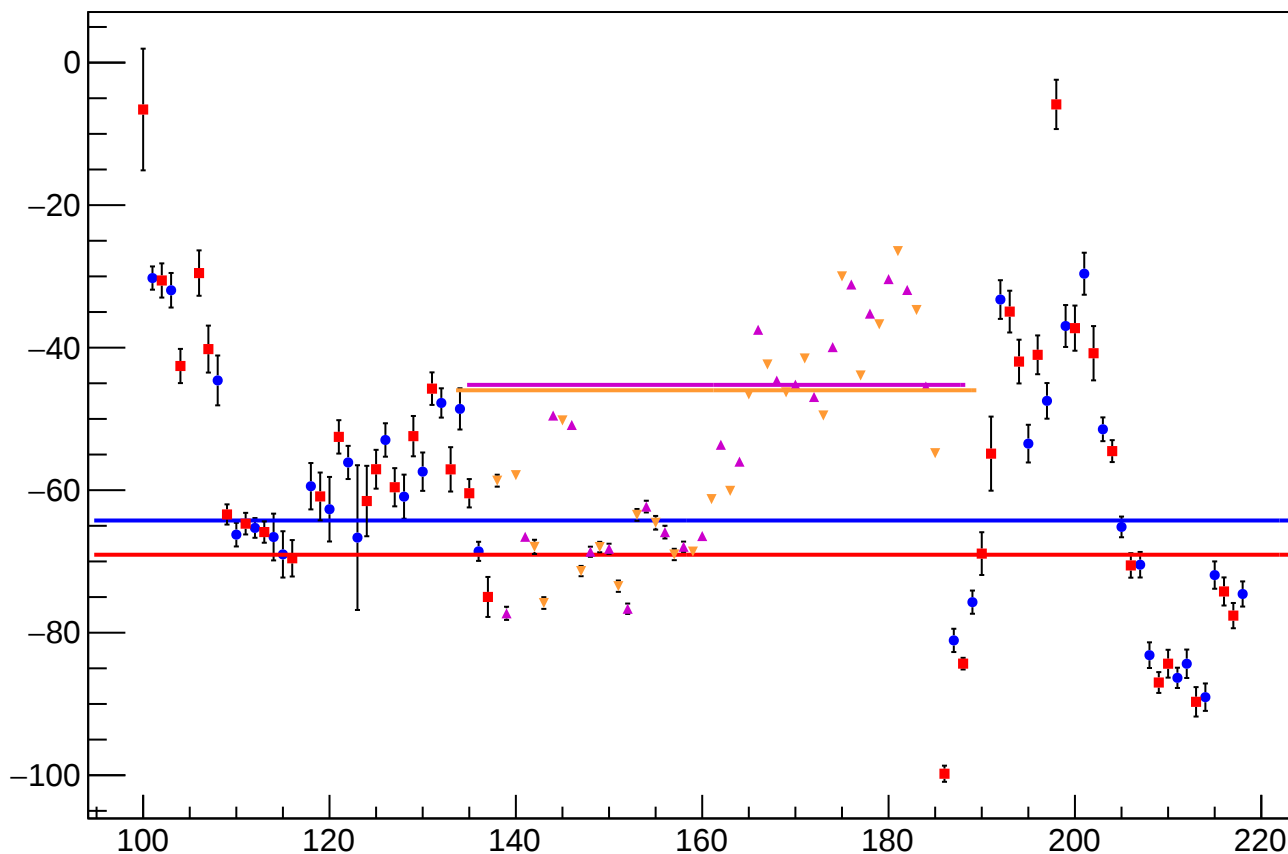
Left In: 6.452 ± 0.086 $\chi^2/\text{NDF}: 3948.0/22$

+ sign 6.330 ± 0.082 $\chi^2/\text{NDF}: 5241.1/57$

All: 6.288 ± 0.058 $\chi^2/\text{NDF}: 9490.6/116$

- sign 6.245 ± 0.082 $\chi^2/\text{NDF}: 4249.0/58$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -64.255 ± 0.357 χ^2/NDF : 2109.6/32

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -69.059 ± 0.337 χ^2/NDF : 3294.1/35

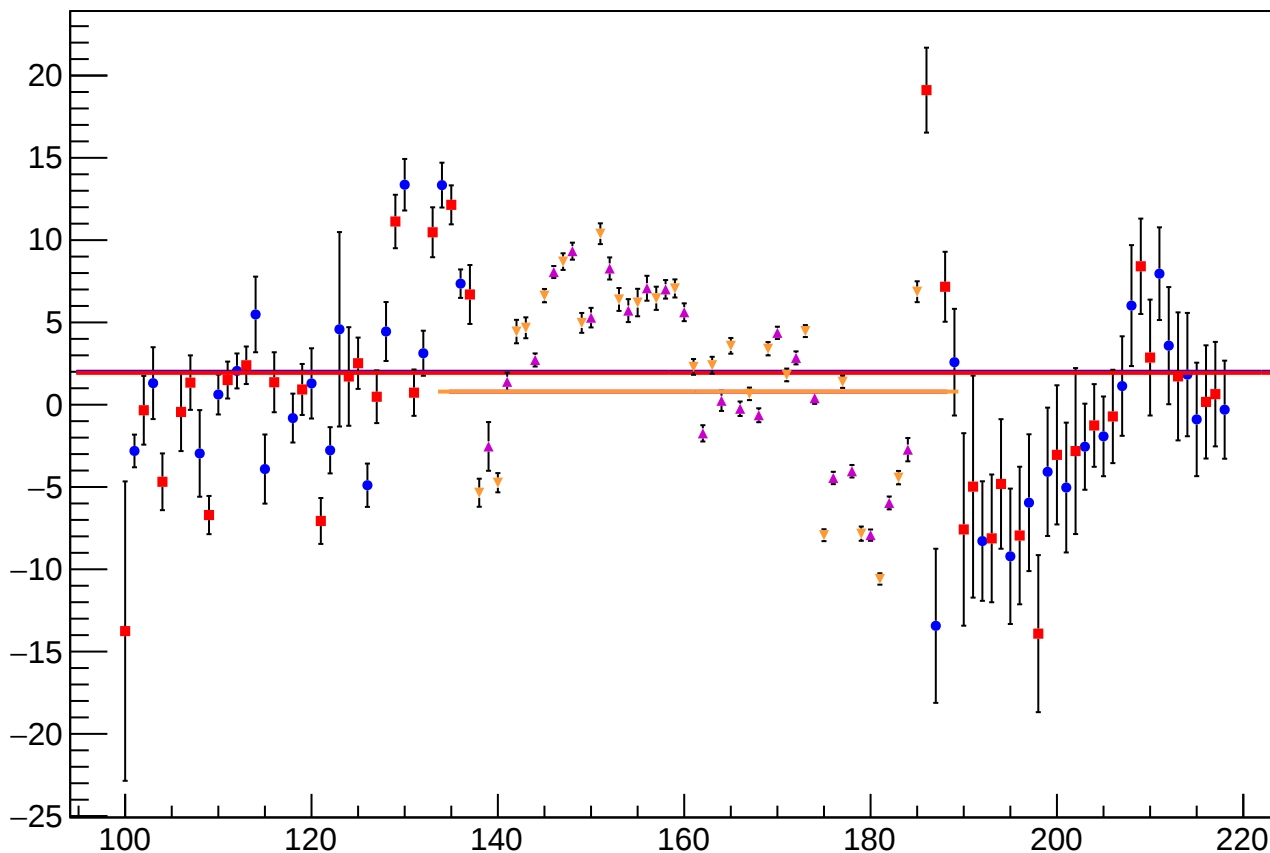
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -47.471 ± 0.102 χ^2/NDF : 21879.5/57

All: -47.442 ± 0.072 χ^2/NDF : 45318.2/116

- sign -47.413 ± 0.102 χ^2/NDF : 23438.5/58

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.004 $\pm$ 0.321 χ^2 /NDF: 292.9/32

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 1.935 $\pm$ 0.326 χ^2 /NDF: 355.2/35

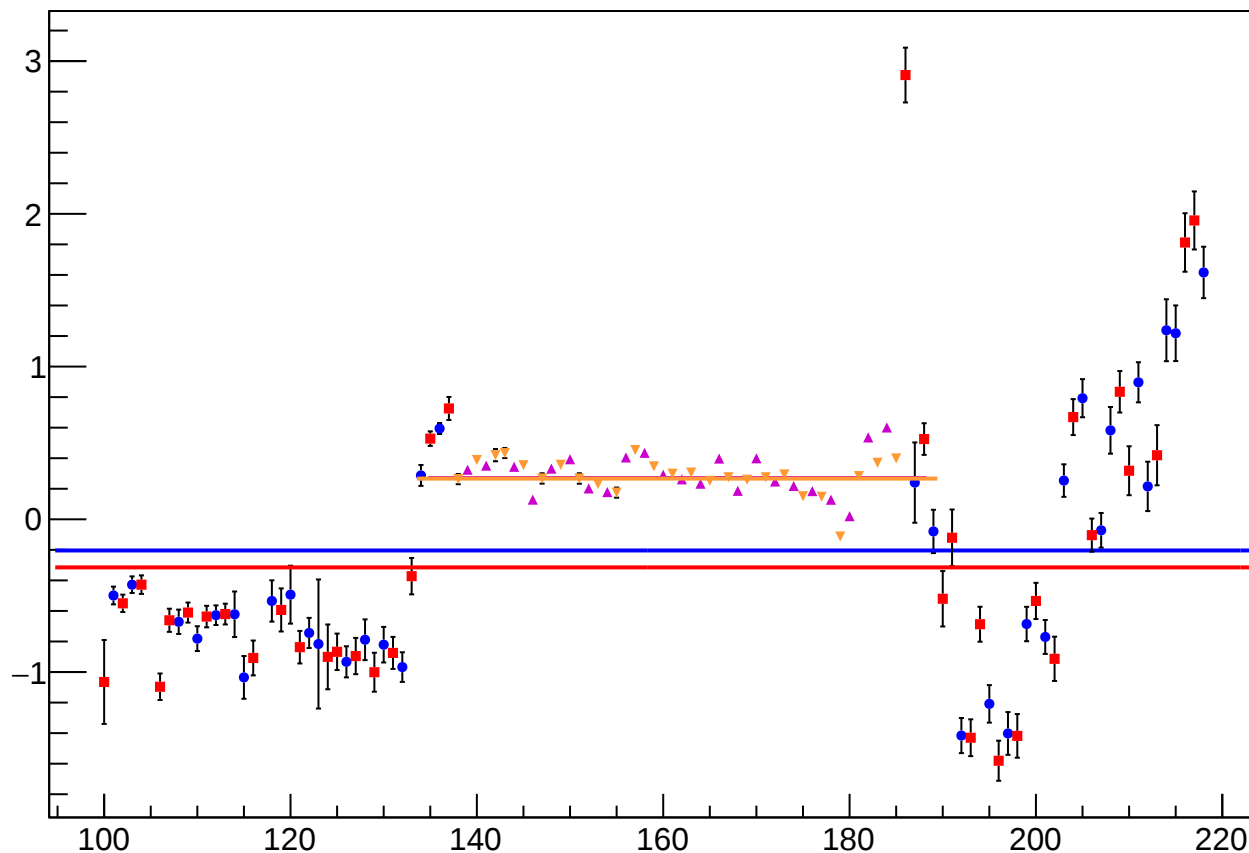
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.896 $\pm$ 0.092 χ^2 /NDF: 4065.8/57

All: 0.890 $\pm$ 0.065 χ^2 /NDF: 7124.8/116

- sign 0.884 $\pm$ 0.093 χ^2 /NDF: 3059.0/58

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: -0.315 ± 0.017 χ^2/NDF : 1963.2/35

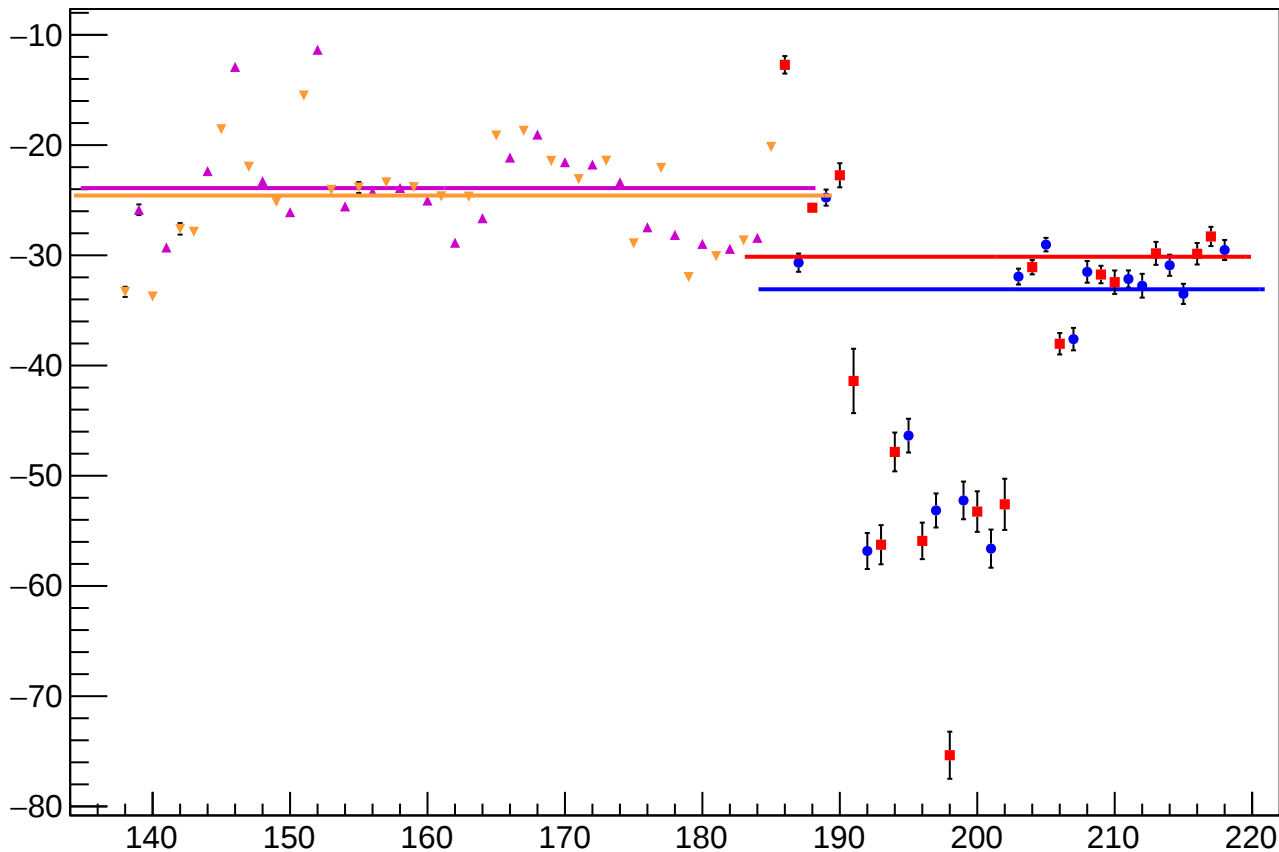
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.236 ± 0.004 χ^2/NDF : 3133.2/57

All: 0.234 ± 0.003 χ^2/NDF : 7235.0/116

- sign 0.231 ± 0.004 χ^2/NDF : 4101.3/58

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: -30.130 ± 0.231 χ^2/NDF : 1988.2/16

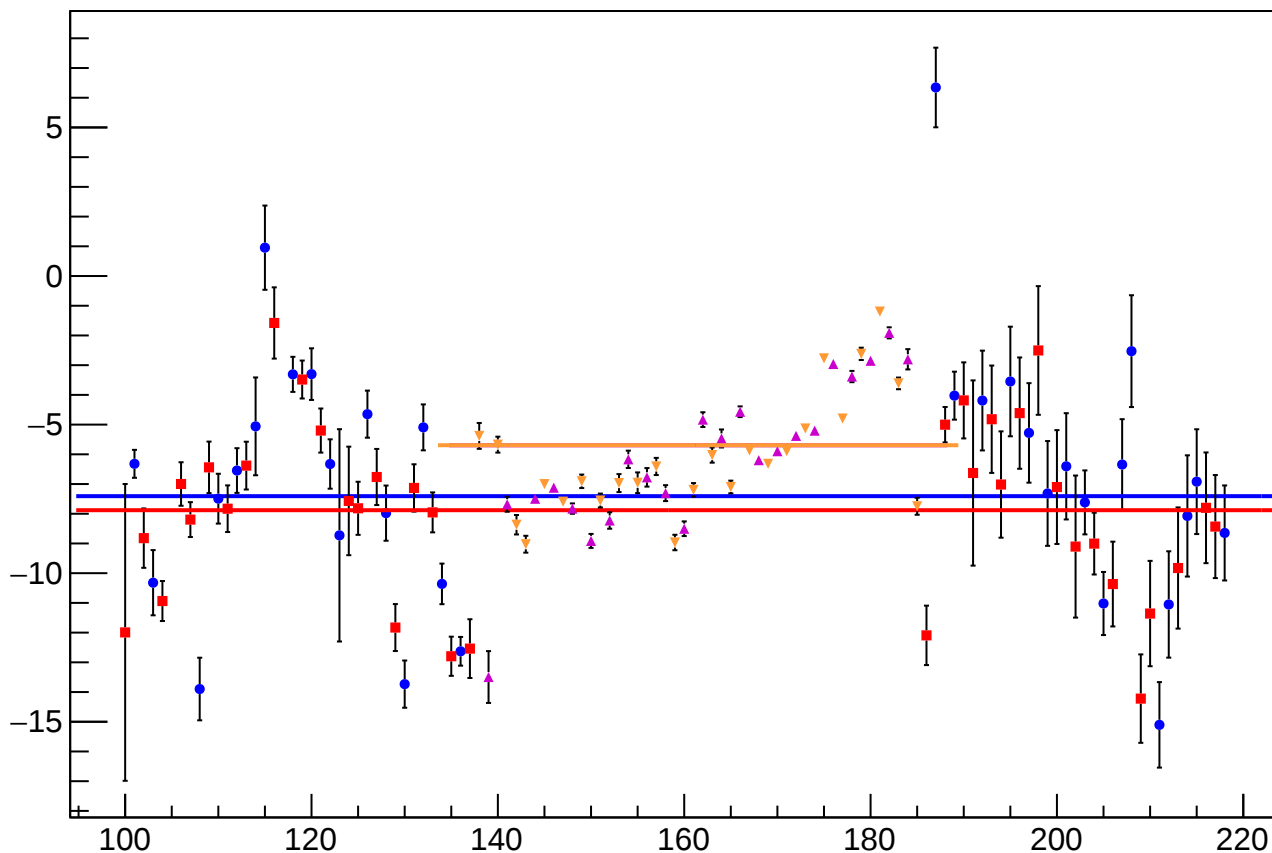
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.953 ± 0.050 χ^2/NDF : 10815.4/40

All: -24.573 ± 0.035 χ^2/NDF : 22769.7/80

- sign -24.192 ± 0.050 χ^2/NDF : 11837.8/39

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: -7.881 ± 0.162 χ^2/NDF : 313.0/35

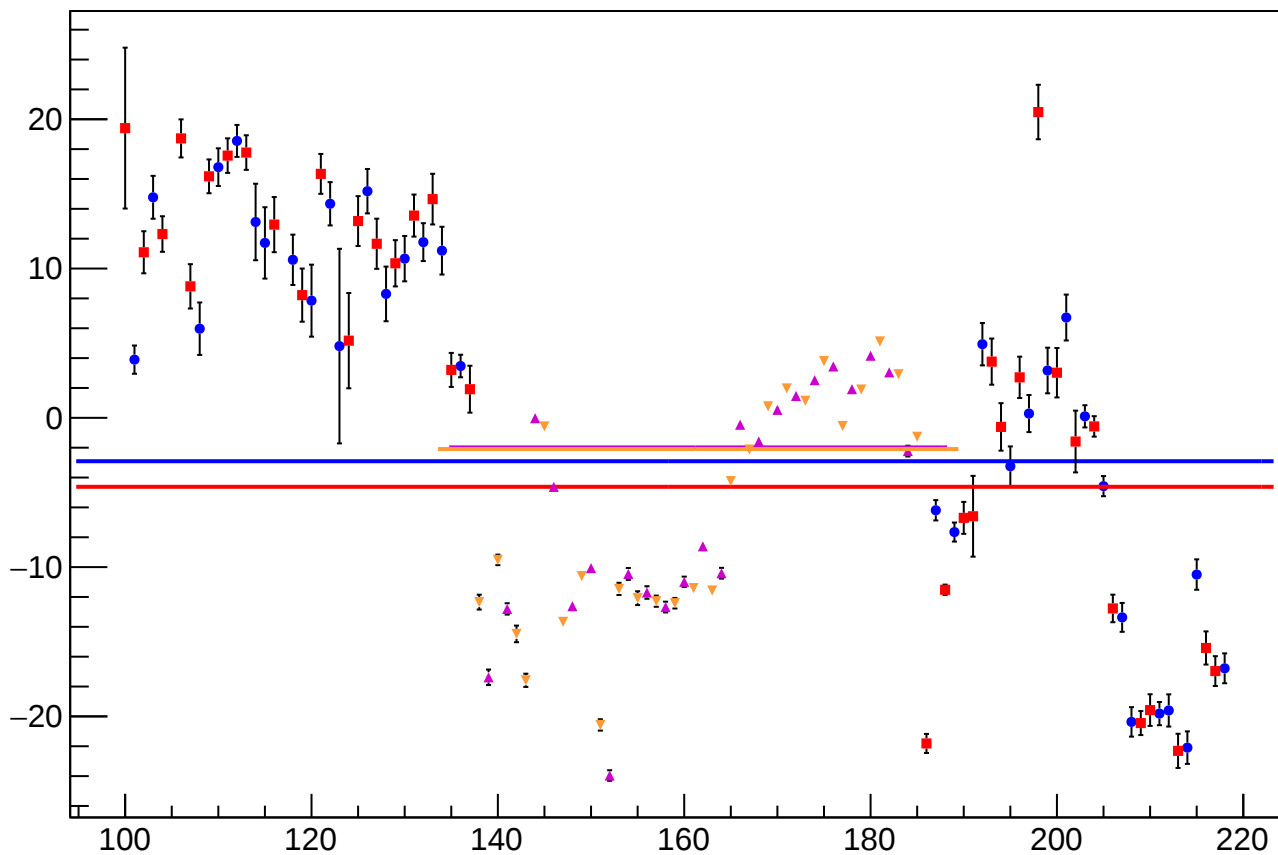
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.793 ± 0.040 χ^2/NDF : 2925.4/57

All: -5.810 ± 0.028 χ^2/NDF : 5719.2/116

- sign -5.826 ± 0.040 χ^2/NDF : 2793.5/58

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: -4.620 ± 0.179 χ^2/NDF : 5491.9/35

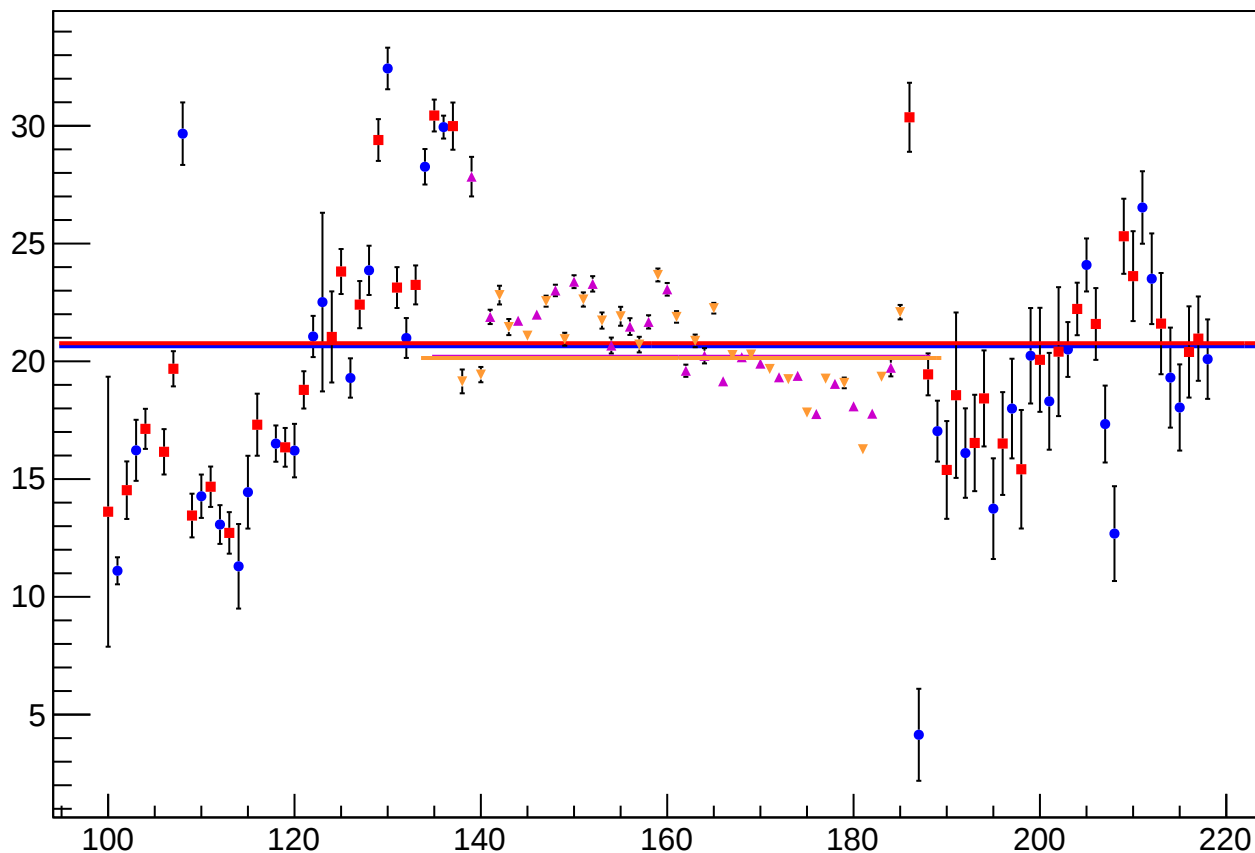
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -2.147 ± 0.050 χ^2/NDF : 19940.1/57

All: -2.164 ± 0.035 χ^2/NDF : 41016.6/116

- sign -2.182 ± 0.049 χ^2/NDF : 21076.2/58

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: 20.769 $\pm$ 0.189 χ^2 /NDF: 800.6/35

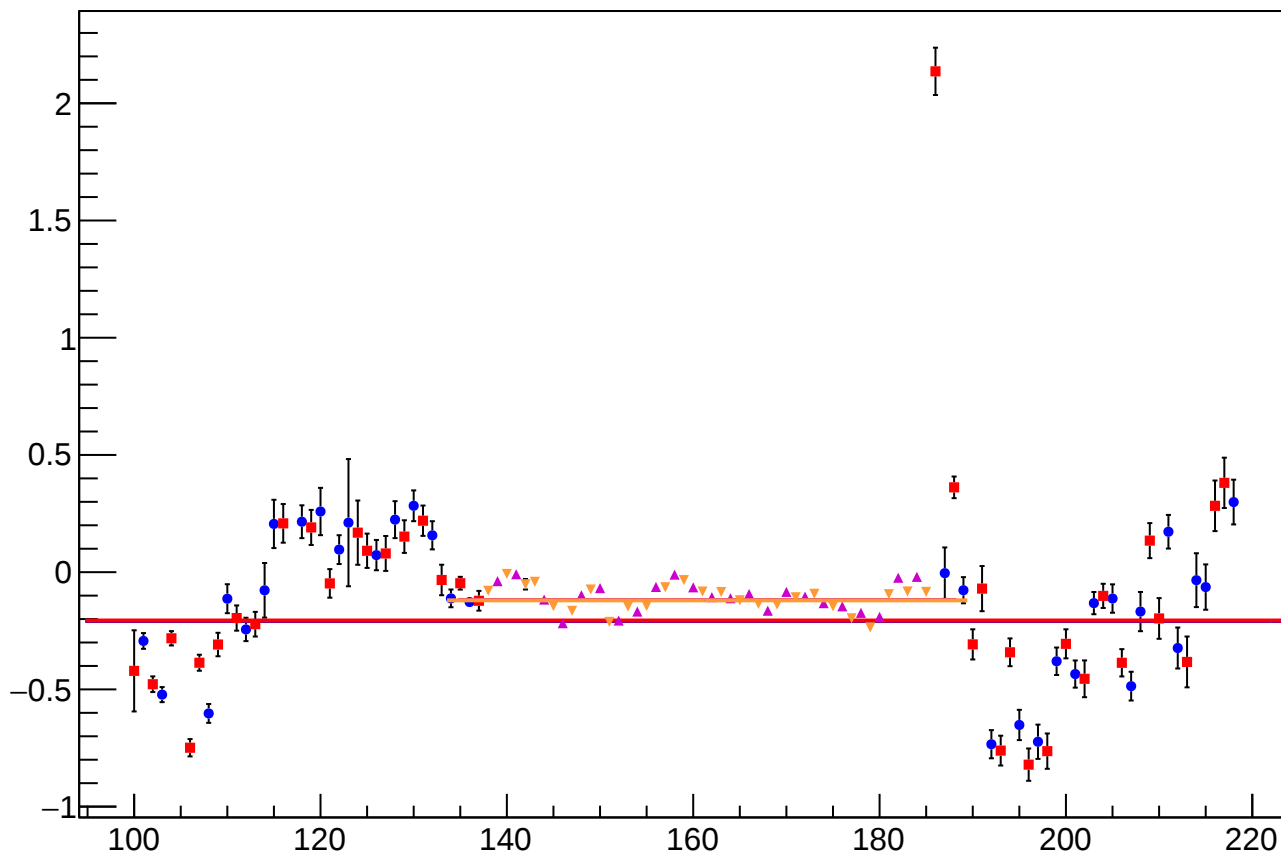
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

+ sign 20.169 $\pm$ 0.045 χ^2 /NDF: 2785.4/57

All: 20.197 $\pm$ 0.032 χ^2 /NDF: 5042.9/116

- sign 20.226 $\pm$ 0.045 χ^2 /NDF: 2256.7/58

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: -0.206 ± 0.009 $\chi^2/\text{NDF}: 1545.9/35$

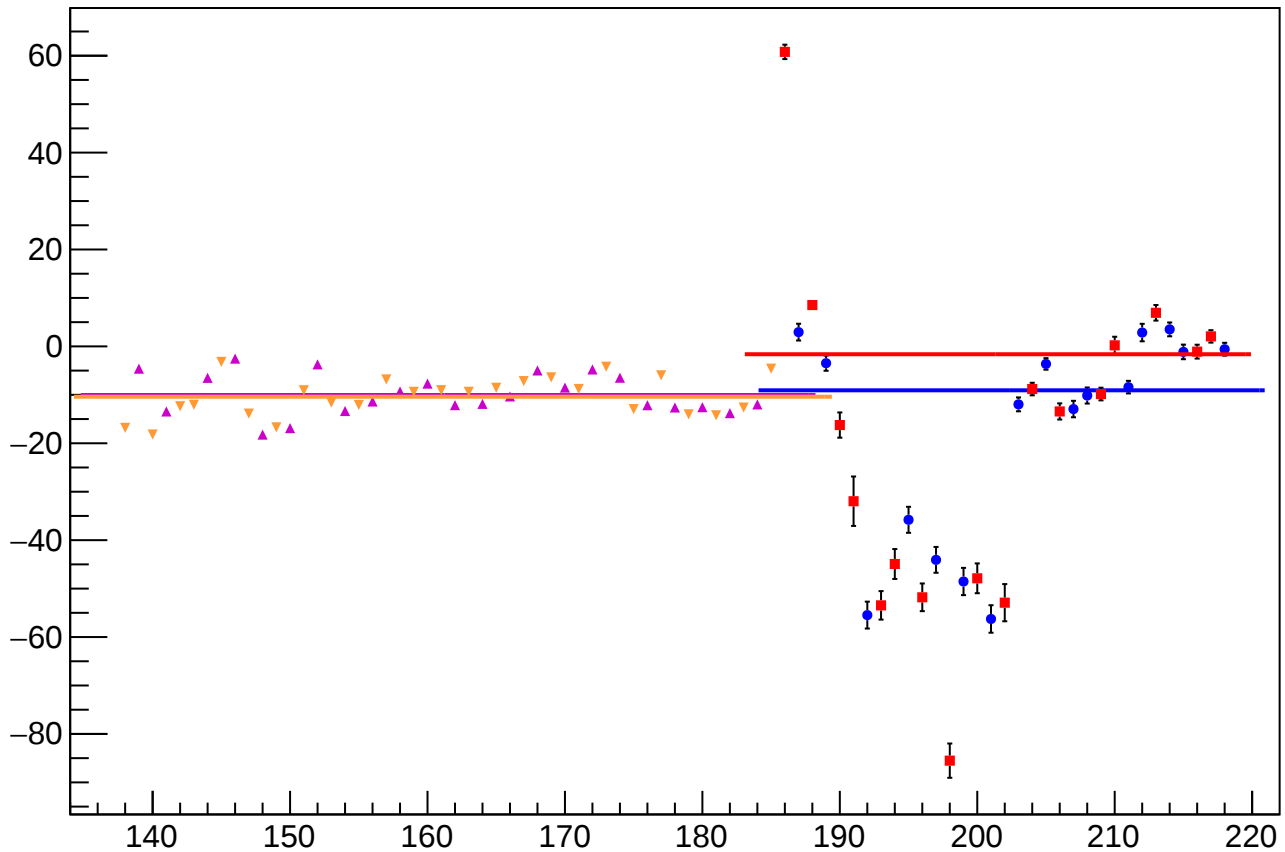
Left In: -0.119 ± 0.002 $\chi^2/\text{NDF}: 721.8/22$

+ sign -0.124 ± 0.002 $\chi^2/\text{NDF}: 1376.9/57$

All: -0.124 ± 0.001 $\chi^2/\text{NDF}: 3730.9/116$

- sign -0.123 ± 0.002 $\chi^2/\text{NDF}: 2353.9/58$

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -9.068 ± 0.419 χ^2/NDF : 1305.4/15

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: -1.621 ± 0.411 χ^2/NDF : 3909.9/16

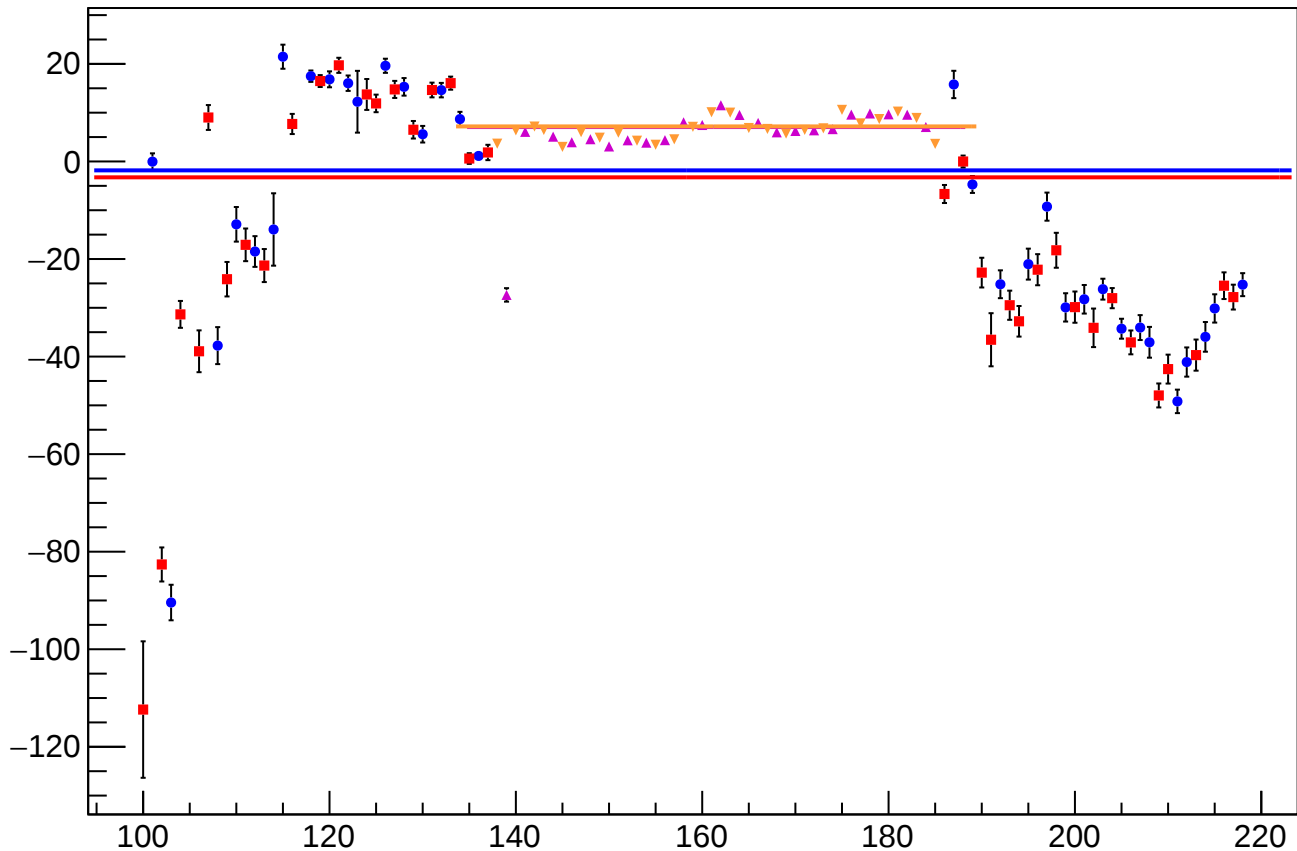
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.335 ± 0.086 χ^2/NDF : 3426.5/40

All: -10.001 ± 0.061 χ^2/NDF : 9526.4/80

- sign -9.654 ± 0.087 χ^2/NDF : 6069.1/39

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: -3.255 ± 0.353 χ^2/NDF : 3539.8/35

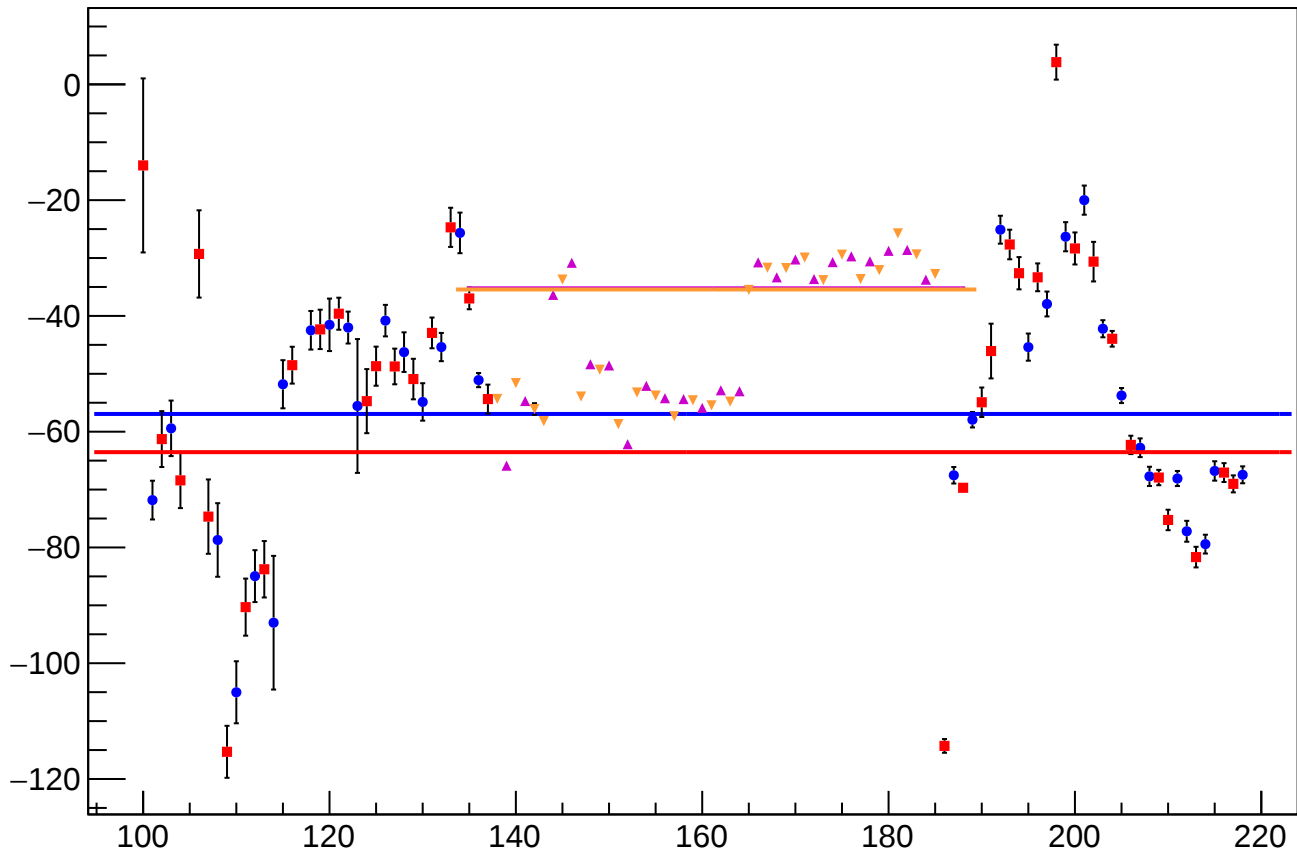
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 6.790 ± 0.072 χ^2/NDF : 5311.9/57

All: 6.704 ± 0.051 χ^2/NDF : 11206.0/116

- sign 6.617 ± 0.073 χ^2/NDF : 5891.2/58

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: -63.535 ± 0.347 $\chi^2/\text{NDF}: 4360.6/35$

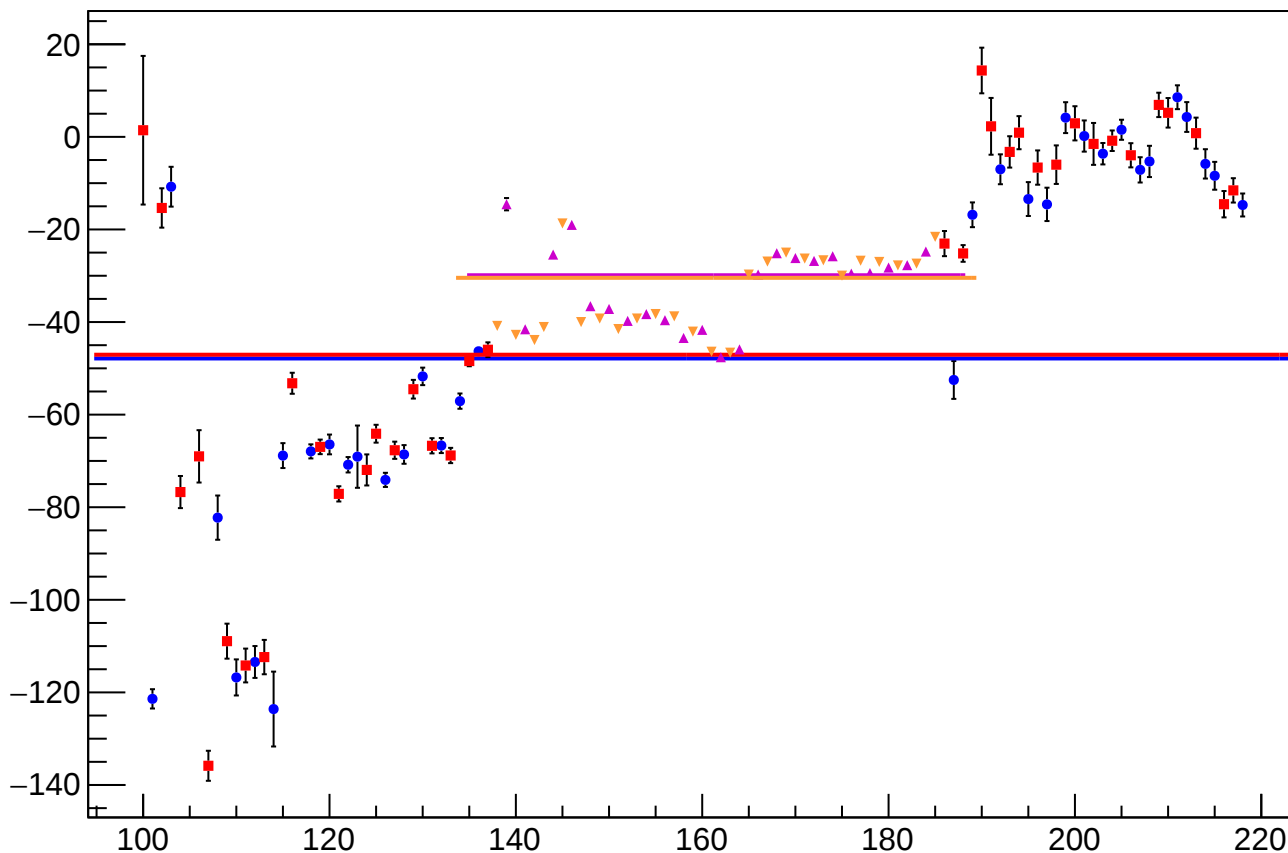
Left In: -35.229 ± 0.090 $\chi^2/\text{NDF}: 11602.9/22$

+ sign -36.663 ± 0.086 $\chi^2/\text{NDF}: 17842.1/57$

All: -36.840 ± 0.061 $\chi^2/\text{NDF}: 40057.4/116$

- sign -37.020 ± 0.087 $\chi^2/\text{NDF}: 22206.9/58$

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: -47.058 ± 0.403 $\chi^2/\text{NDF}: 6114.0/35$

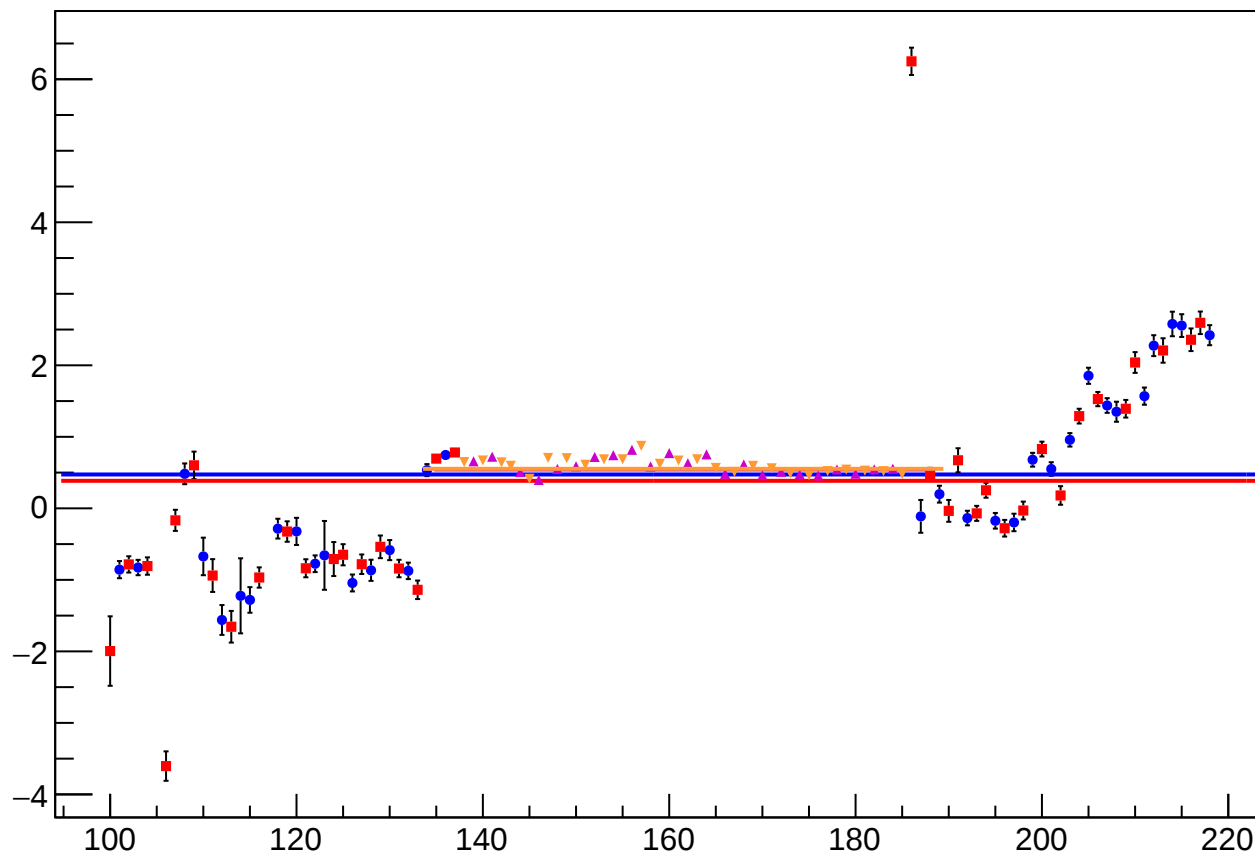
Left In: -29.892 ± 0.083 $\chi^2/\text{NDF}: 7115.0/22$

+ sign -31.204 ± 0.080 $\chi^2/\text{NDF}: 16817.4/57$

All: -30.898 ± 0.057 $\chi^2/\text{NDF}: 31815.7/116$

- sign -30.583 ± 0.081 $\chi^2/\text{NDF}: 14968.4/58$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.474 +/- 0.019 χ^2/NDF : 2337.6/32

Left Out: 0.553 +/- 0.004 χ^2/NDF : 542.1/24

Right Out: 0.385 +/- 0.020 χ^2/NDF : 3351.1/35

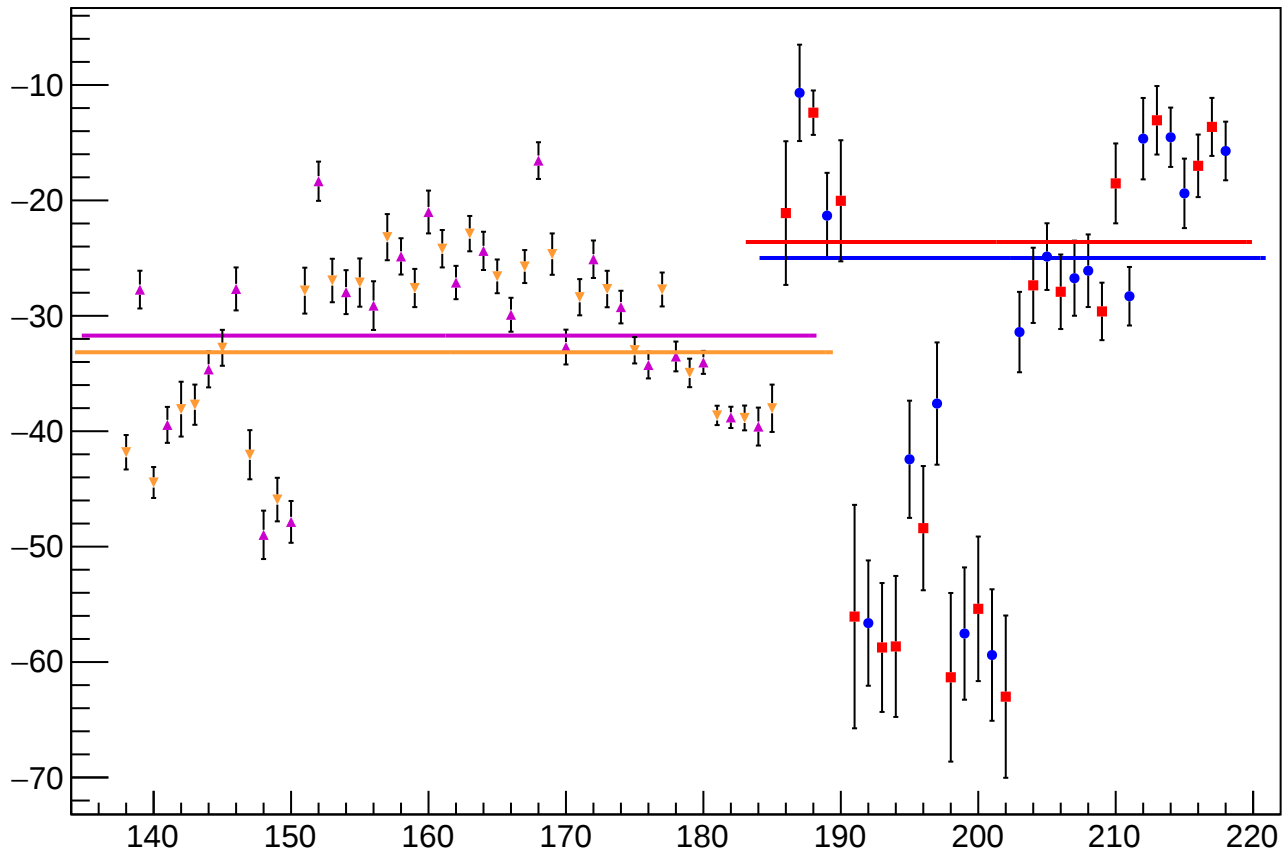
Left In: 0.544 +/- 0.004 χ^2/NDF : 655.9/22

+ sign 0.550 +/- 0.004 χ^2/NDF : 2897.0/57

All: 0.544 +/- 0.003 χ^2/NDF : 6971.6/116

- sign 0.538 +/- 0.004 χ^2/NDF : 4069.5/58

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: -23.604 ± 0.863 χ^2/NDF : 268.7/16

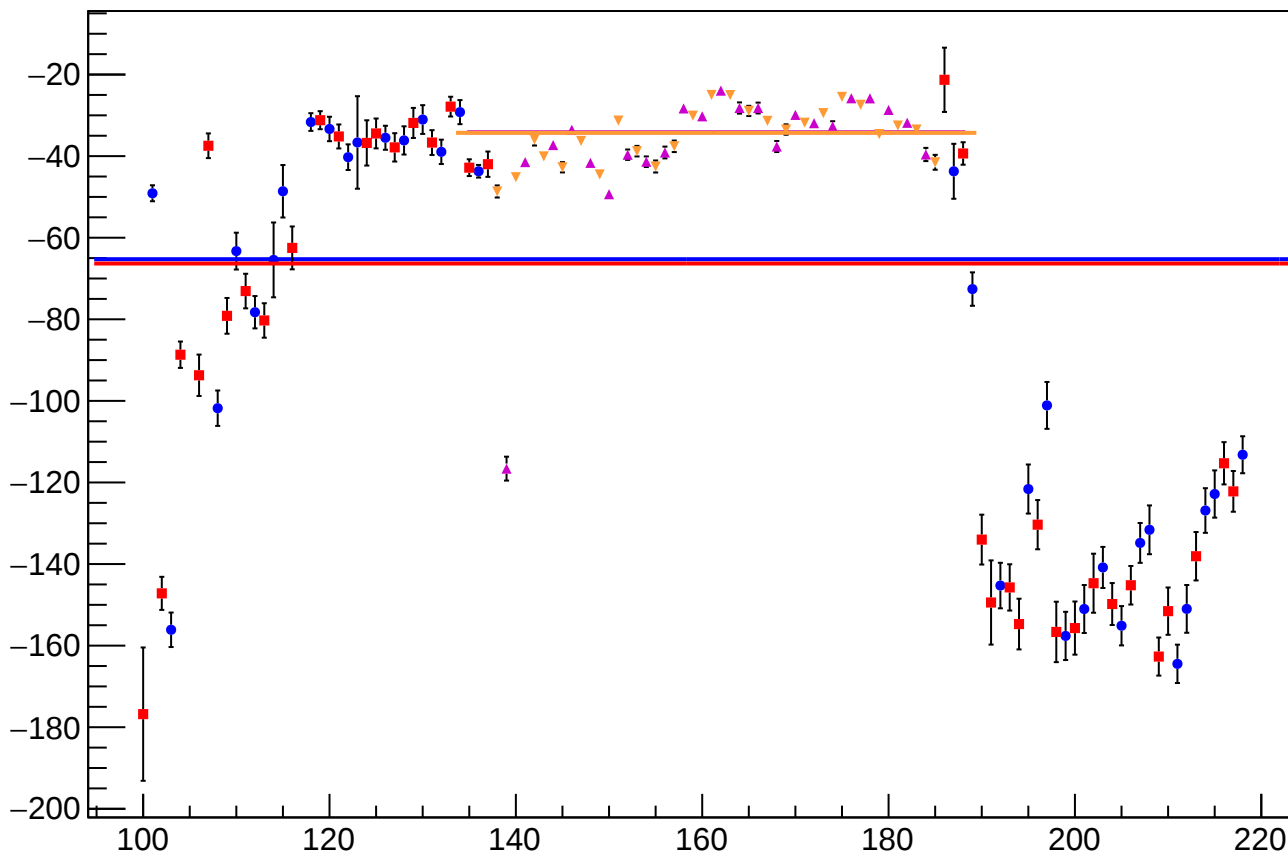
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -32.271 ± 0.283 χ^2/NDF : 760.7/40

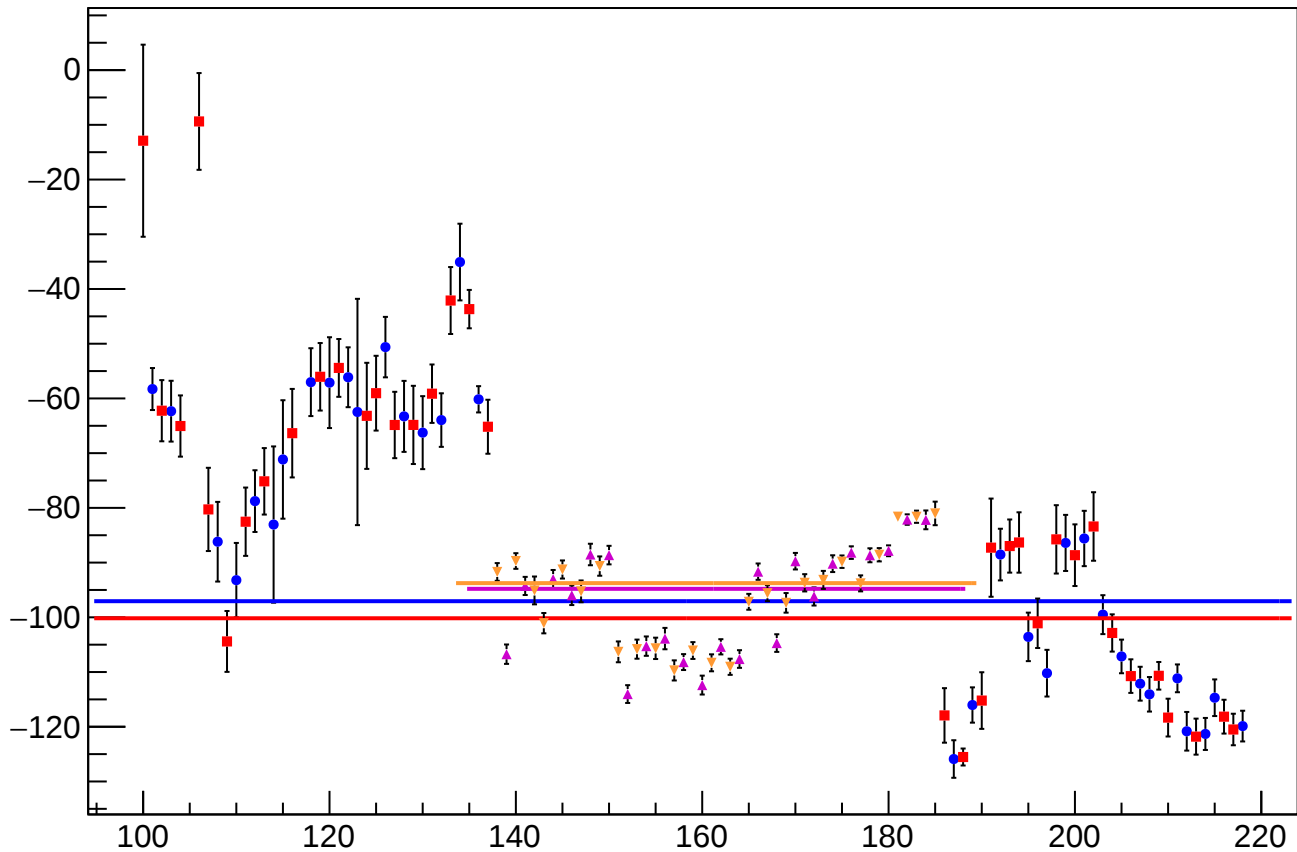
All: -31.551 ± 0.203 χ^2/NDF : 1663.2/80

- sign -30.793 ± 0.291 χ^2/NDF : 889.3/39

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: -100.174 ± 0.710 $\chi^2/\text{NDF}: 1465.2/35$

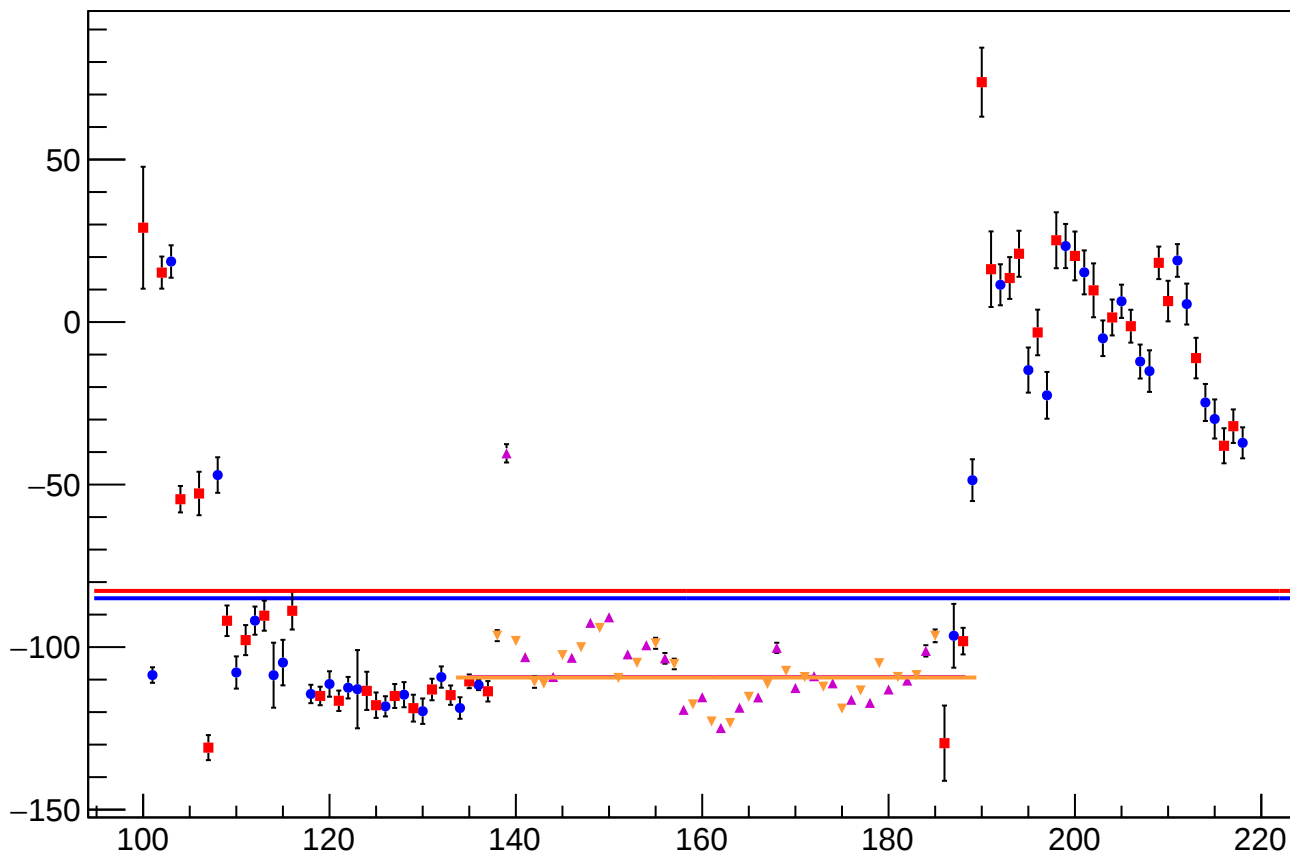
Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

+ sign -94.250 ± 0.278 $\chi^2/\text{NDF}: 2097.0/57$

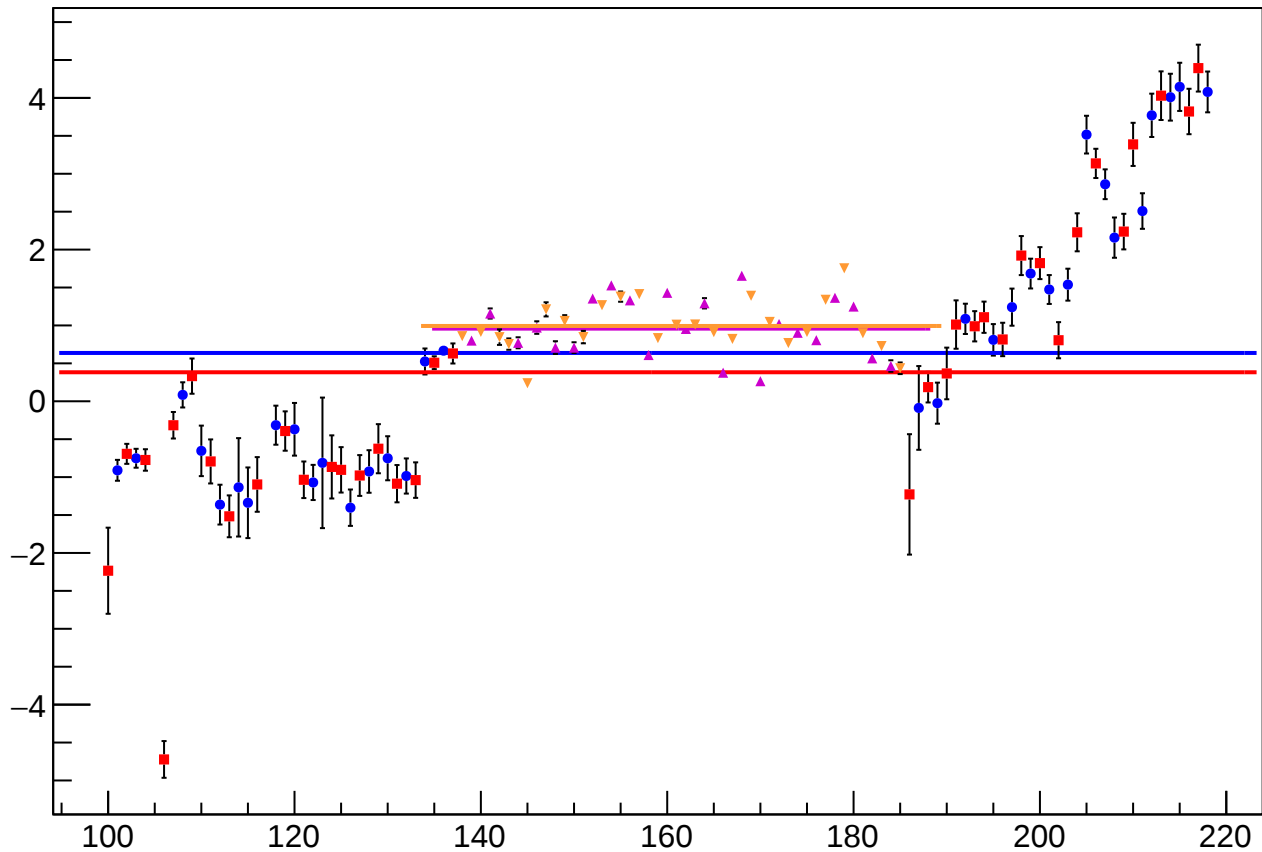
All: -94.939 ± 0.198 $\chi^2/\text{NDF}: 4597.7/116$

- sign -95.651 ± 0.283 $\chi^2/\text{NDF}: 2488.2/58$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.637 ± 0.035 χ^2/NDF : 1584.7/32

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: 0.382 ± 0.036 χ^2/NDF : 1861.9/35

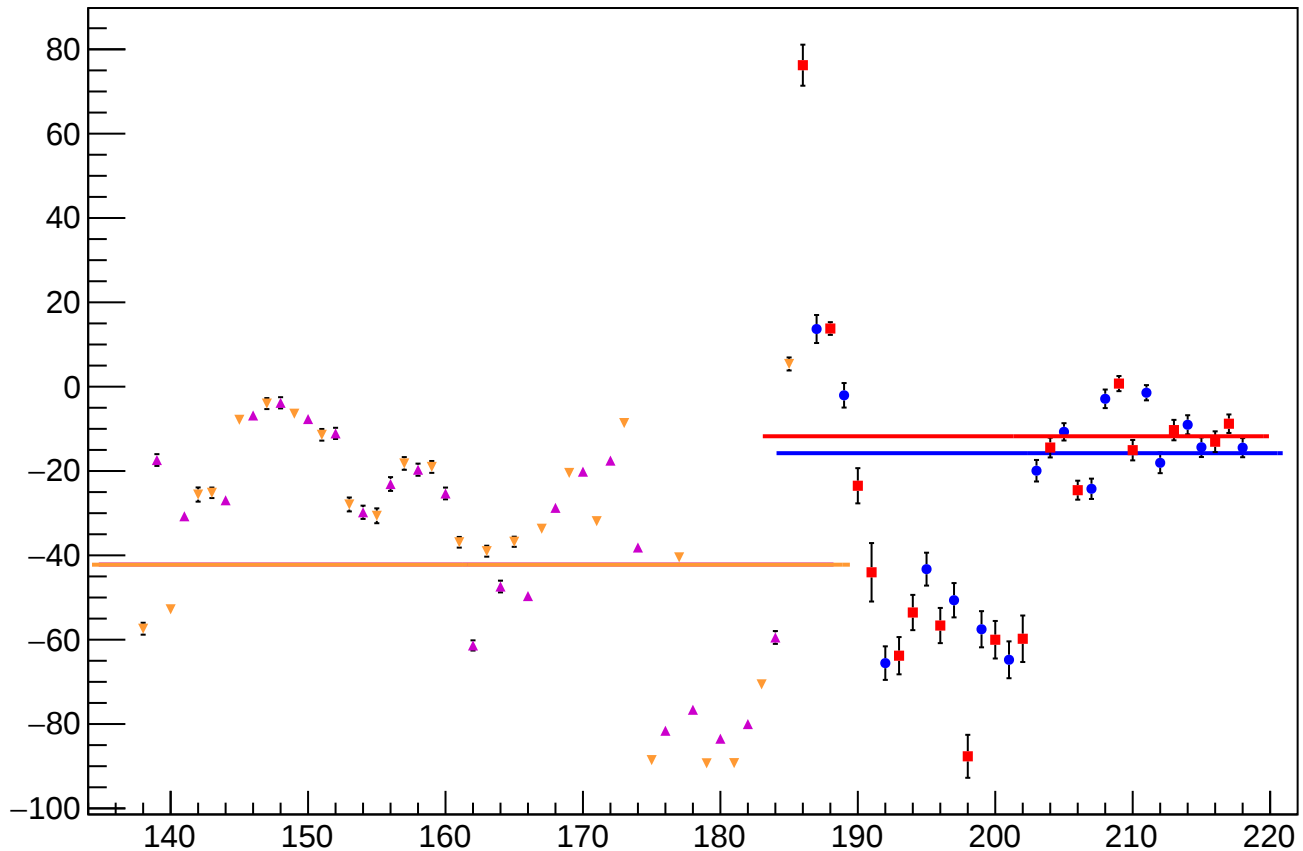
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.952 ± 0.012 χ^2/NDF : 2317.2/57

All: 0.923 ± 0.008 χ^2/NDF : 5318.0/116

- sign 0.893 ± 0.012 χ^2/NDF : 2988.3/58

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: -11.760 ± 0.667 $\chi^2/\text{NDF}: 1499.4/16$

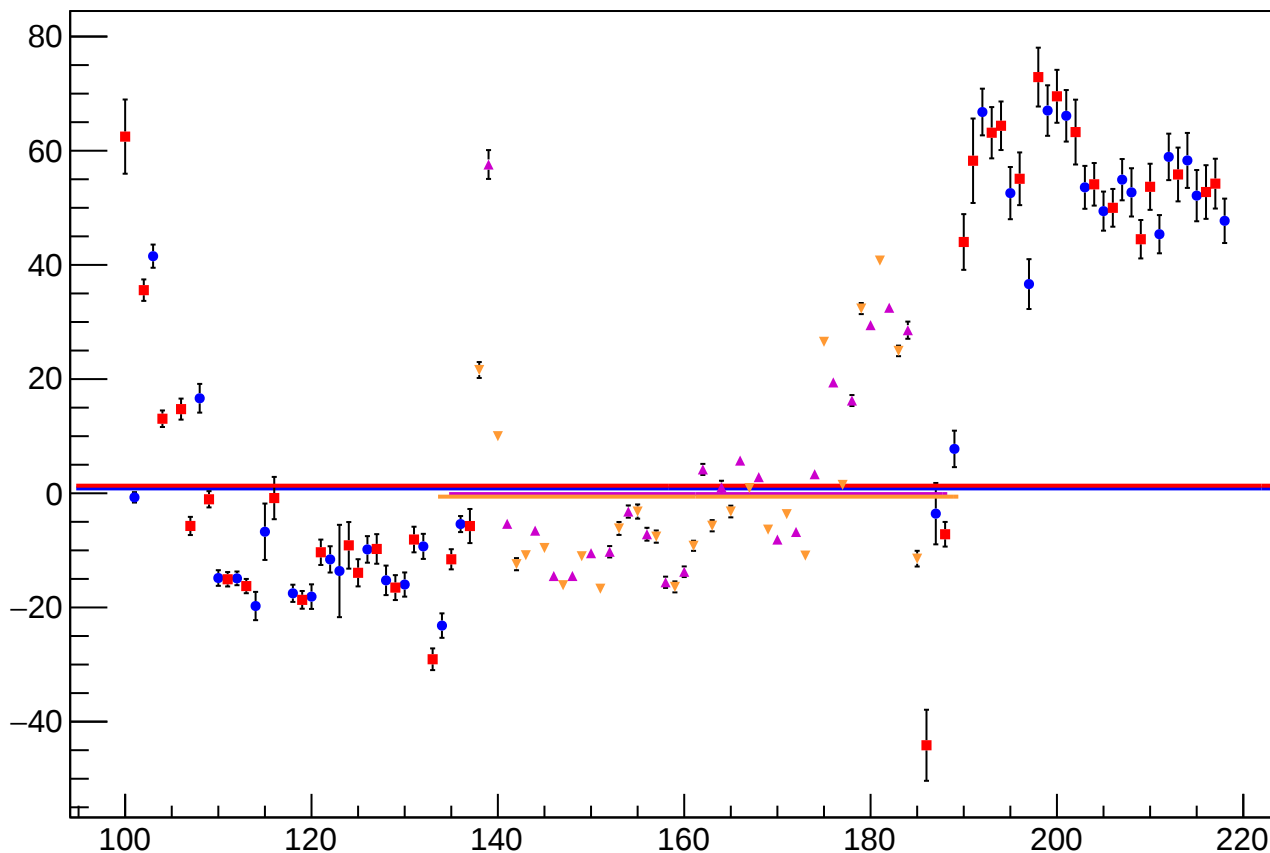
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -39.500 ± 0.210 $\chi^2/\text{NDF}: 20494.1/40$

All: -39.262 ± 0.150 $\chi^2/\text{NDF}: 38437.8/80$

- sign -39.013 ± 0.215 $\chi^2/\text{NDF}: 17941.1/39$

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: 1.331 ± 0.394 $\chi^2/\text{NDF}: 4014.3/35$

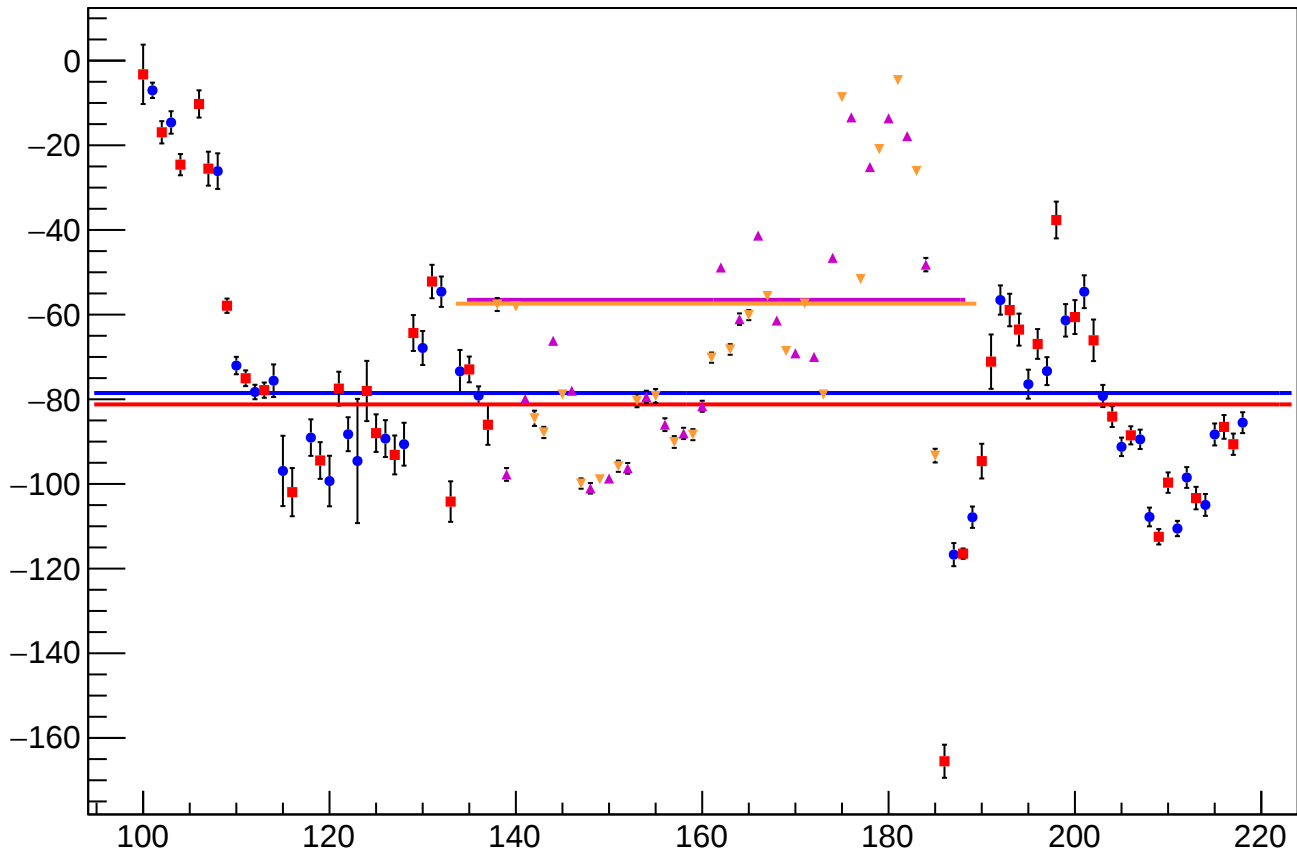
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -0.356 ± 0.159 $\chi^2/\text{NDF}: 12593.4/57$

All: -0.128 ± 0.114 $\chi^2/\text{NDF}: 23486.0/116$

- sign 0.111 ± 0.163 $\chi^2/\text{NDF}: 10888.4/58$

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: -81.211 ± 0.472 χ^2/NDF : 4227.8/35

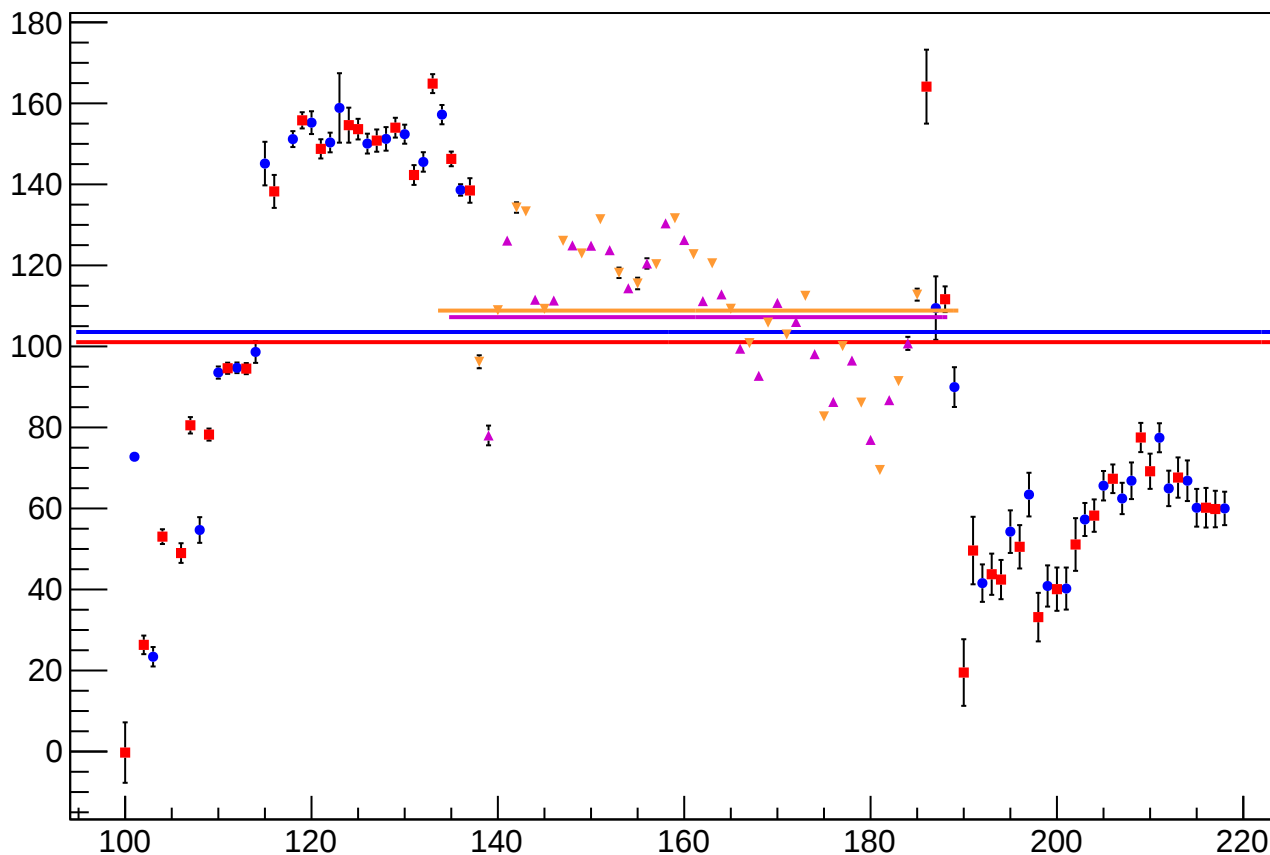
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -61.040 ± 0.203 χ^2/NDF : 23702.7/57

All: -61.102 ± 0.144 χ^2/NDF : 46508.7/116

- sign -61.165 ± 0.205 χ^2/NDF : 22805.8/58

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: 101.055 $\pm$ 0.450 χ^2 /NDF: 8577.3/35

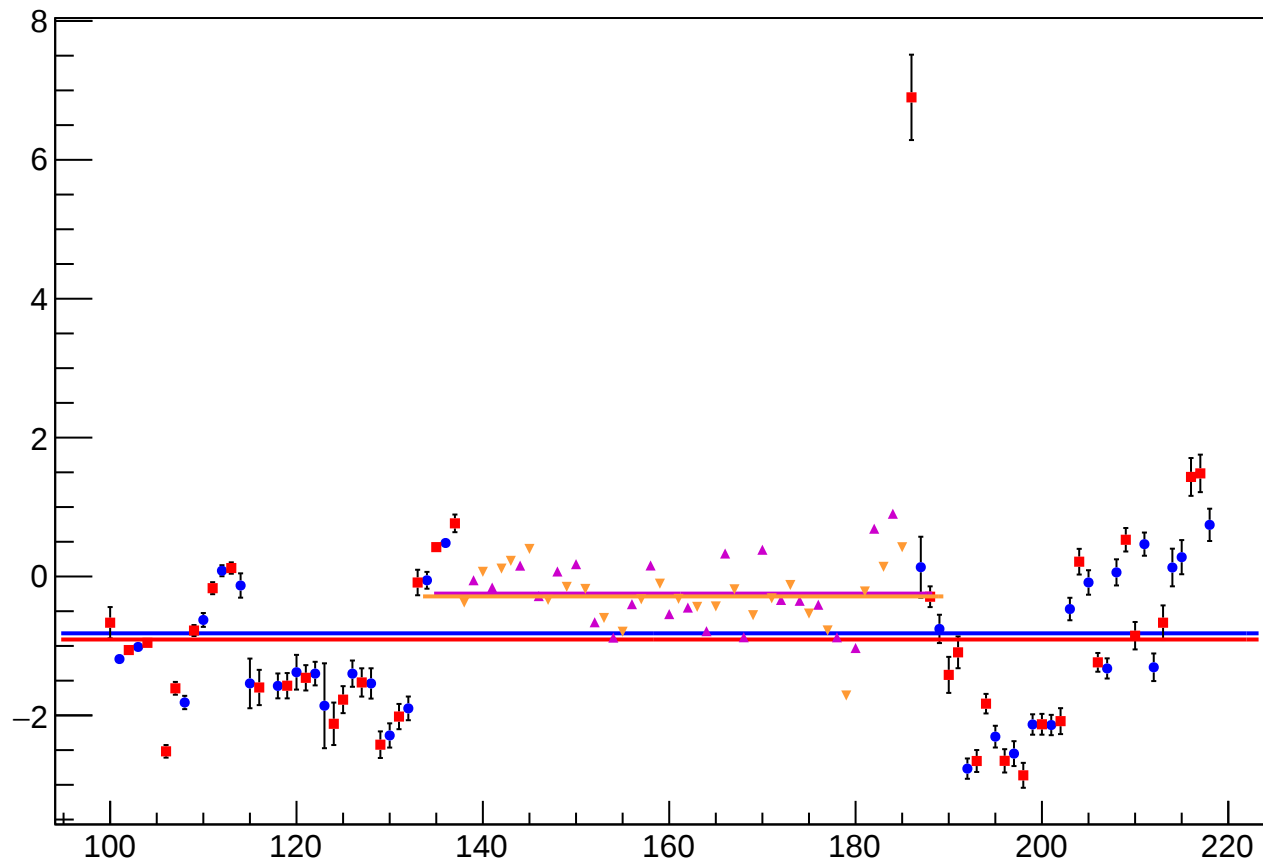
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 107.993 $\pm$ 0.181 χ^2 /NDF: 15050.8/57

All: 107.109 $\pm$ 0.129 χ^2 /NDF: 29398.7/116

- sign 106.186 $\pm$ 0.185 χ^2 /NDF: 14299.0/58

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: -0.907 ± 0.021 χ^2/NDF : 2266.3/35

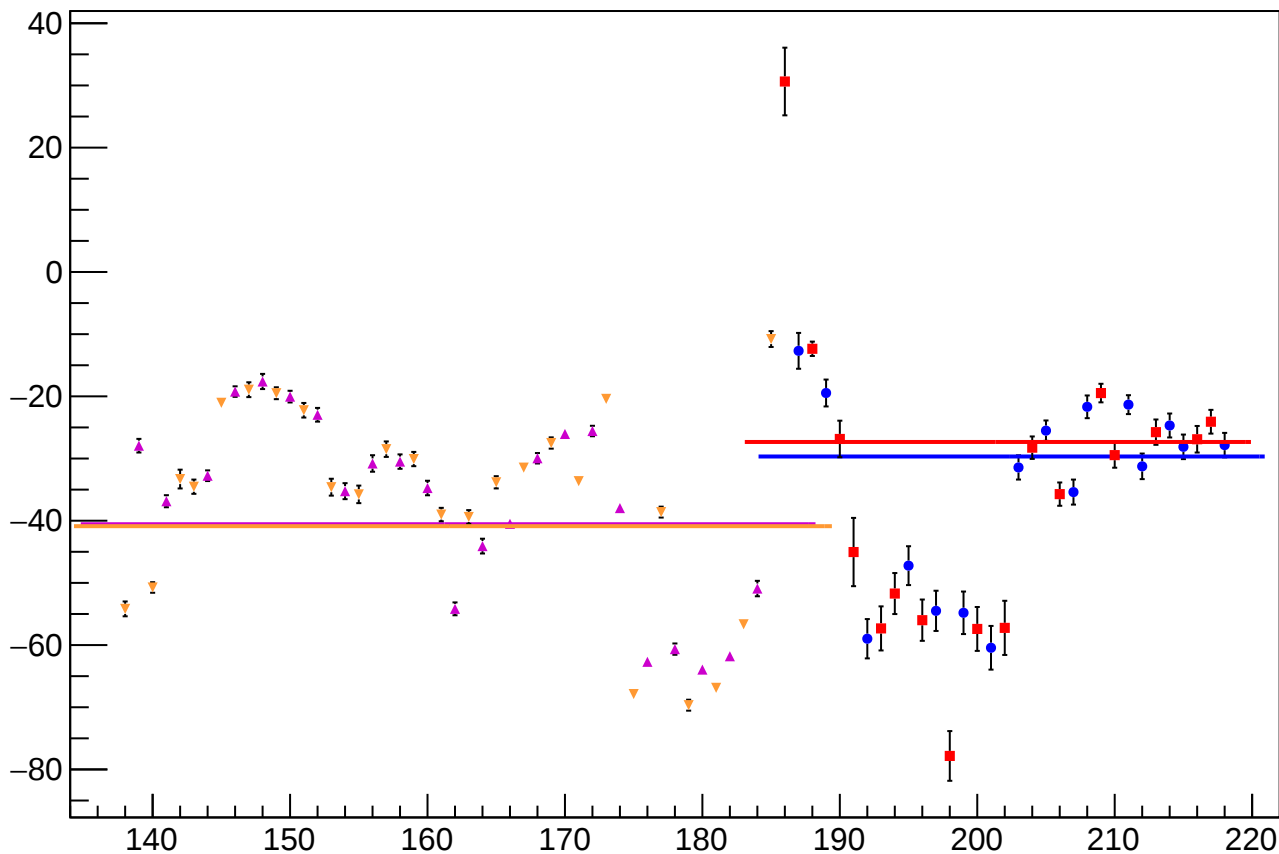
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.362 ± 0.008 χ^2/NDF : 4275.2/57

All: -0.356 ± 0.006 χ^2/NDF : 10137.8/116

- sign -0.351 ± 0.008 χ^2/NDF : 5861.7/58

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: -27.336 ± 0.542 χ^2/NDF : 824.9/16

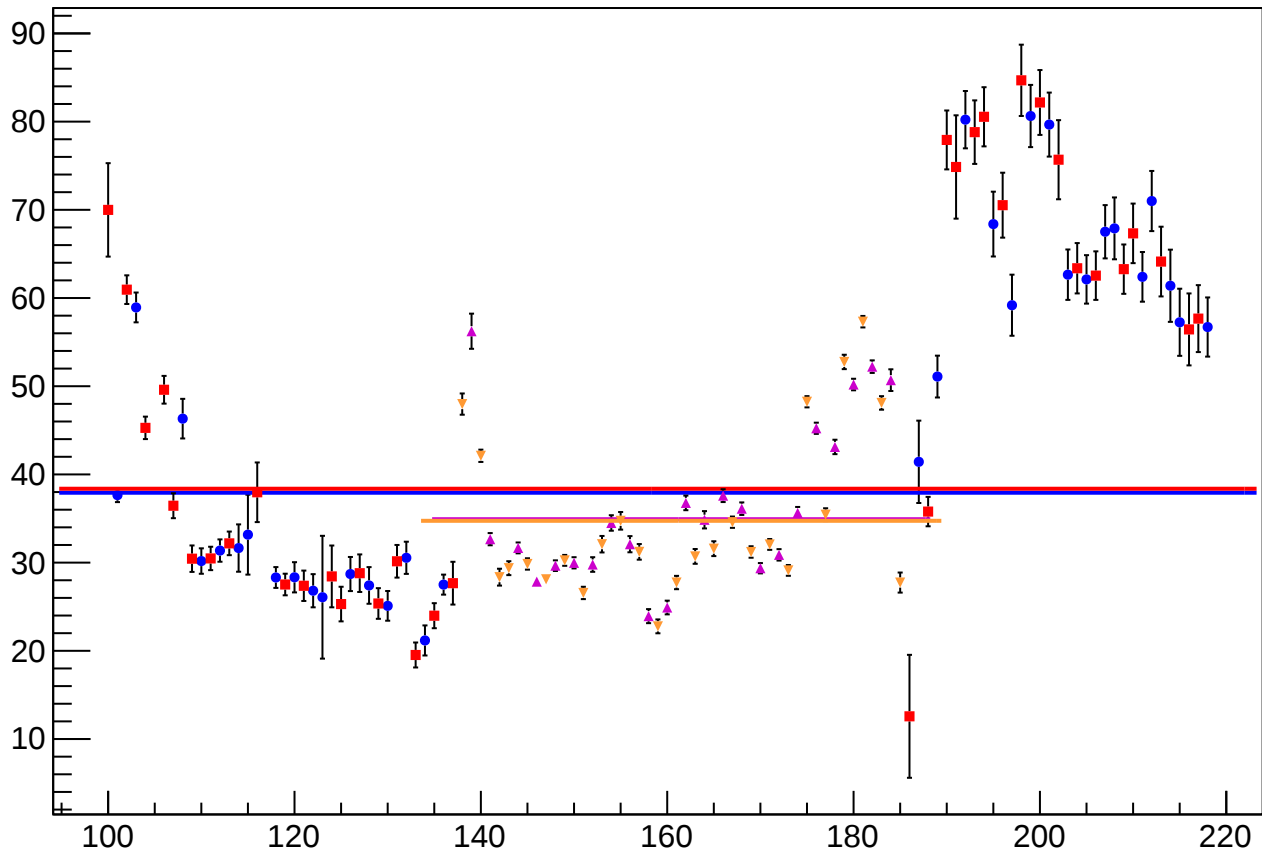
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -39.688 ± 0.176 χ^2/NDF : 9946.2/40

All: -39.408 ± 0.126 χ^2/NDF : 18262.4/80

- sign -39.119 ± 0.179 χ^2/NDF : 8311.0/39

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: 38.378 $\pm$ 0.342 χ^2 /NDF: 2255.6/35

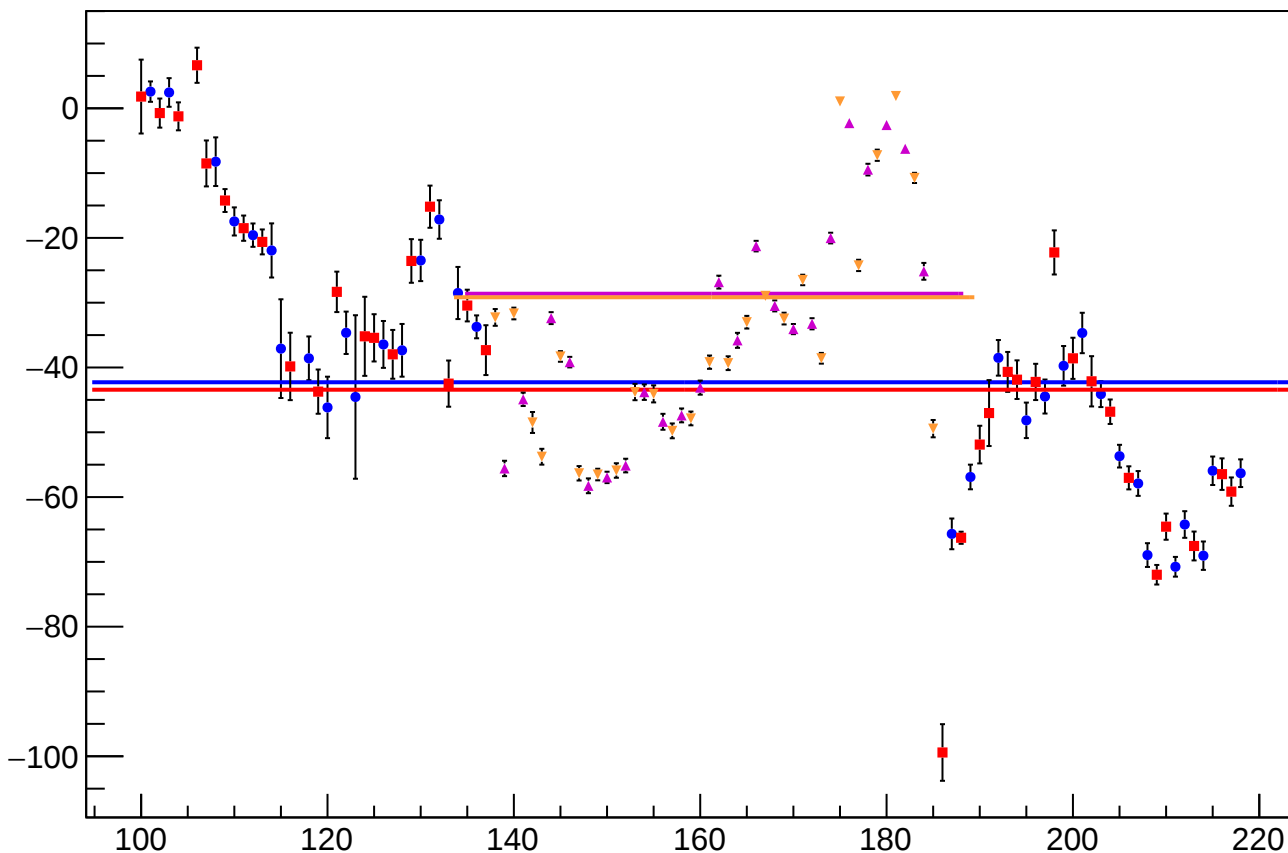
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 35.241 $\pm$ 0.135 χ^2 /NDF: 5603.4/57

All: 35.362 $\pm$ 0.097 χ^2 /NDF: 10618.8/116

- sign 35.489 $\pm$ 0.139 χ^2 /NDF: 5013.8/58

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -42.279 ± 0.417 $\chi^2/\text{NDF}: 2957.1/32$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -43.430 ± 0.401 $\chi^2/\text{NDF}: 3535.0/35$

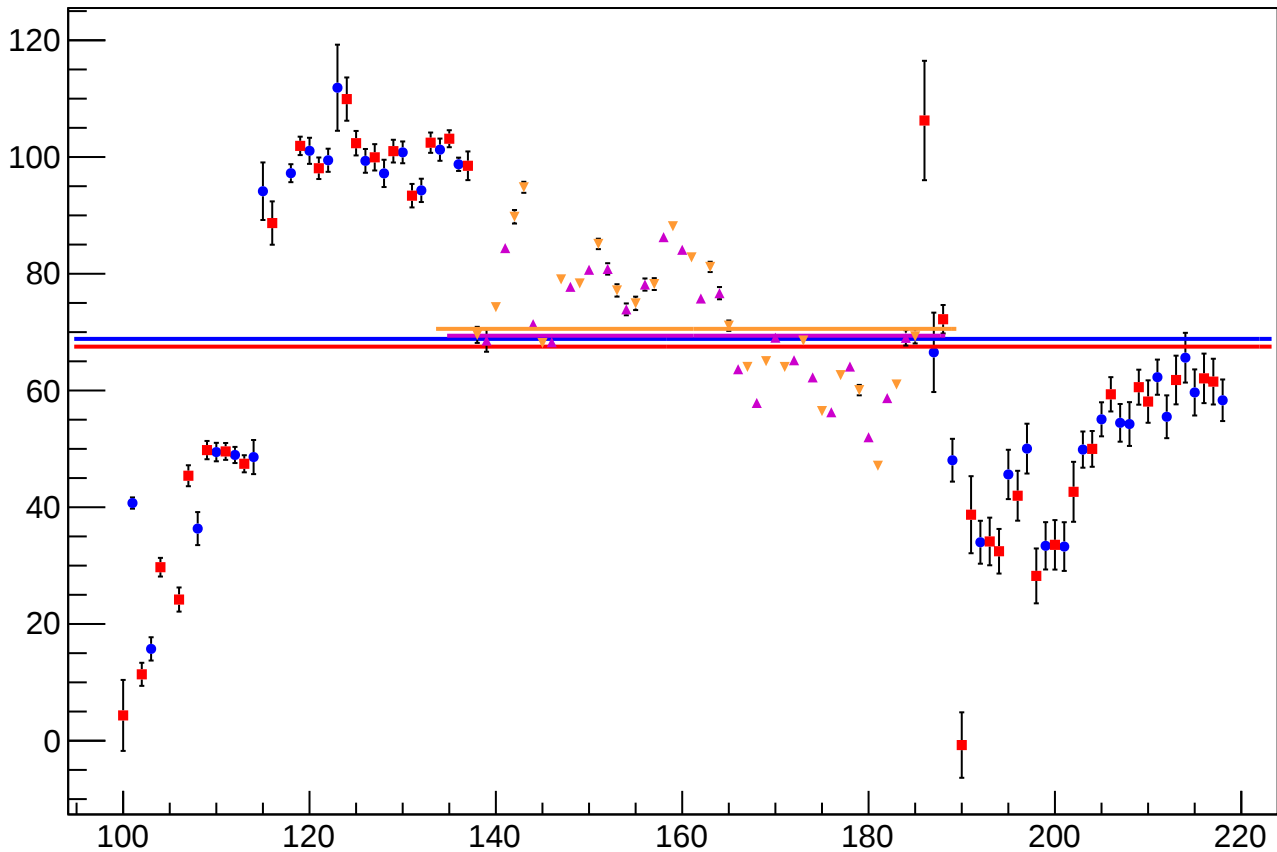
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -31.363 ± 0.171 $\chi^2/\text{NDF}: 13908.1/57$

All: -31.345 ± 0.121 $\chi^2/\text{NDF}: 27598.9/116$

- sign -31.328 ± 0.172 $\chi^2/\text{NDF}: 13690.8/58$

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: 67.516 ± 0.394 $\chi^2/\text{NDF}: 6139.3/35$

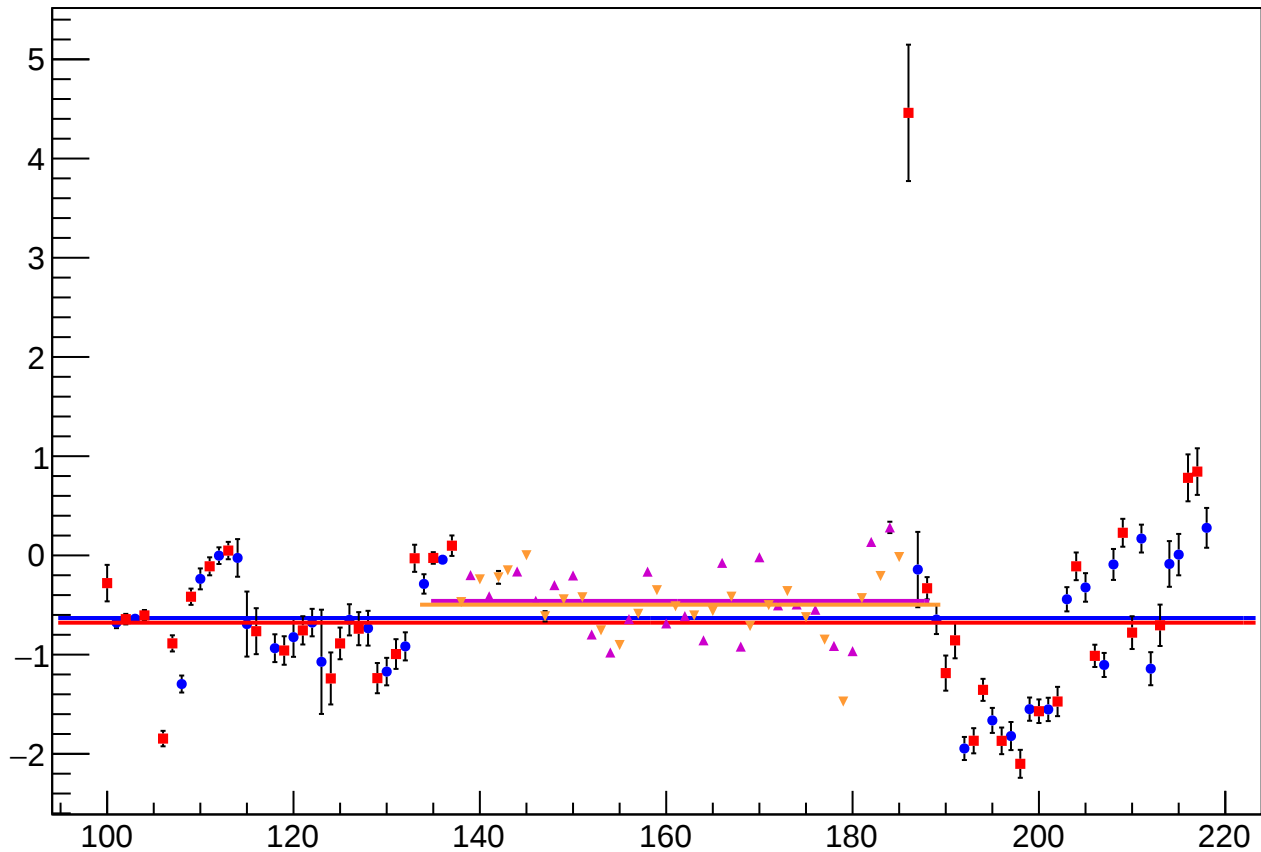
Left In: 69.387 ± 0.170 $\chi^2/\text{NDF}: 3321.8/22$

+ sign 70.297 ± 0.153 $\chi^2/\text{NDF}: 9799.8/57$

All: 69.708 ± 0.109 $\chi^2/\text{NDF}: 19310.4/116$

- sign 69.092 ± 0.156 $\chi^2/\text{NDF}: 9480.2/58$

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: -0.678 ± 0.018 χ^2/NDF : 1203.0/35

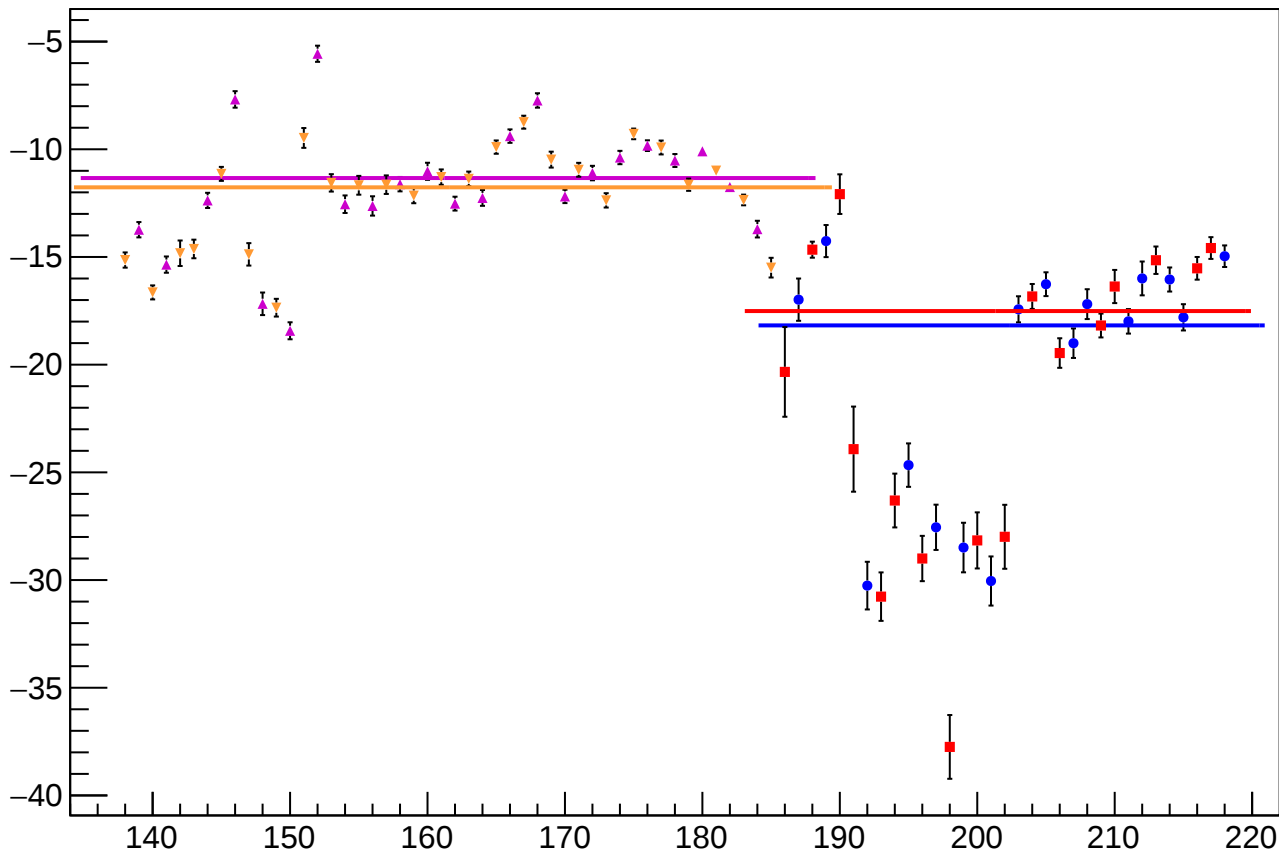
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.515 ± 0.007 χ^2/NDF : 2331.0/57

All: -0.504 ± 0.005 χ^2/NDF : 5618.8/116

- sign -0.492 ± 0.007 χ^2/NDF : 3282.4/58

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -18.177 ± 0.177 χ^2/NDF : 538.7/15

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -17.511 ± 0.175 χ^2/NDF : 791.7/16

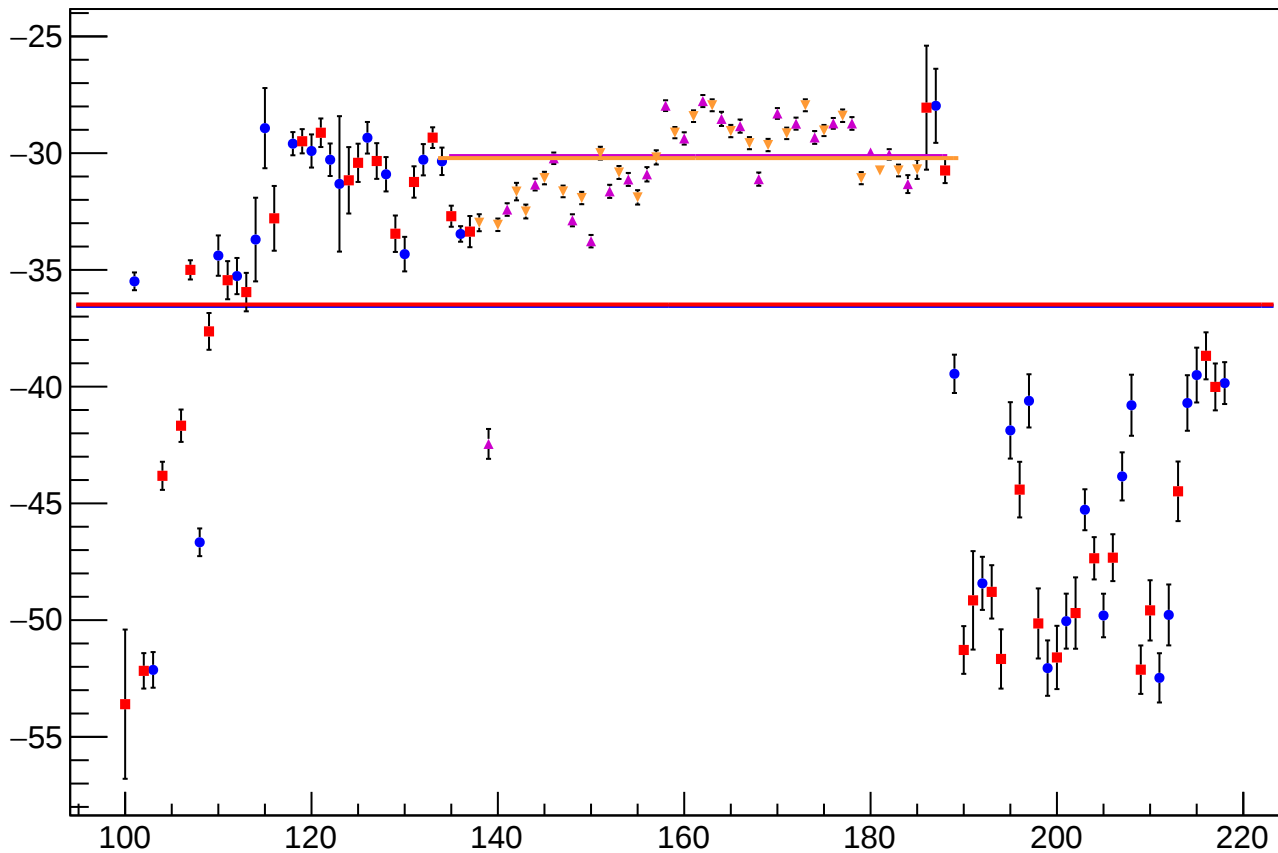
Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.562 ± 0.062 χ^2/NDF : 2706.3/40

All: -12.359 ± 0.044 χ^2/NDF : 5874.1/80

- sign -12.149 ± 0.063 χ^2/NDF : 3146.3/39

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.542 ± 0.132 χ^2/NDF : 2788.9/32

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -36.482 ± 0.131 χ^2/NDF : 3174.4/35

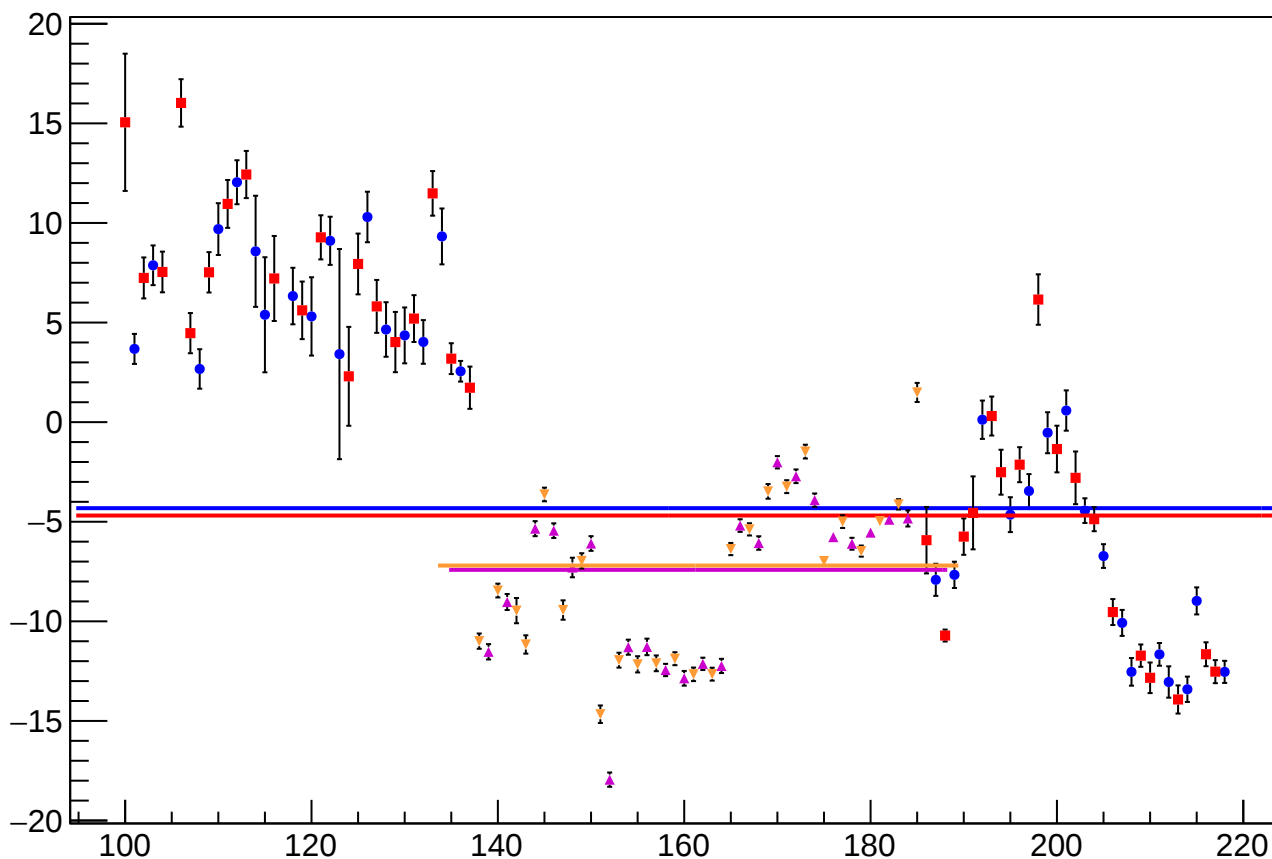
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -31.110 ± 0.050 χ^2/NDF : 5482.1/57

All: -31.102 ± 0.036 χ^2/NDF : 11885.1/116

- sign -31.094 ± 0.051 χ^2/NDF : 6402.9/58

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: -4.688 ± 0.143 χ^2/NDF : 3391.0/35

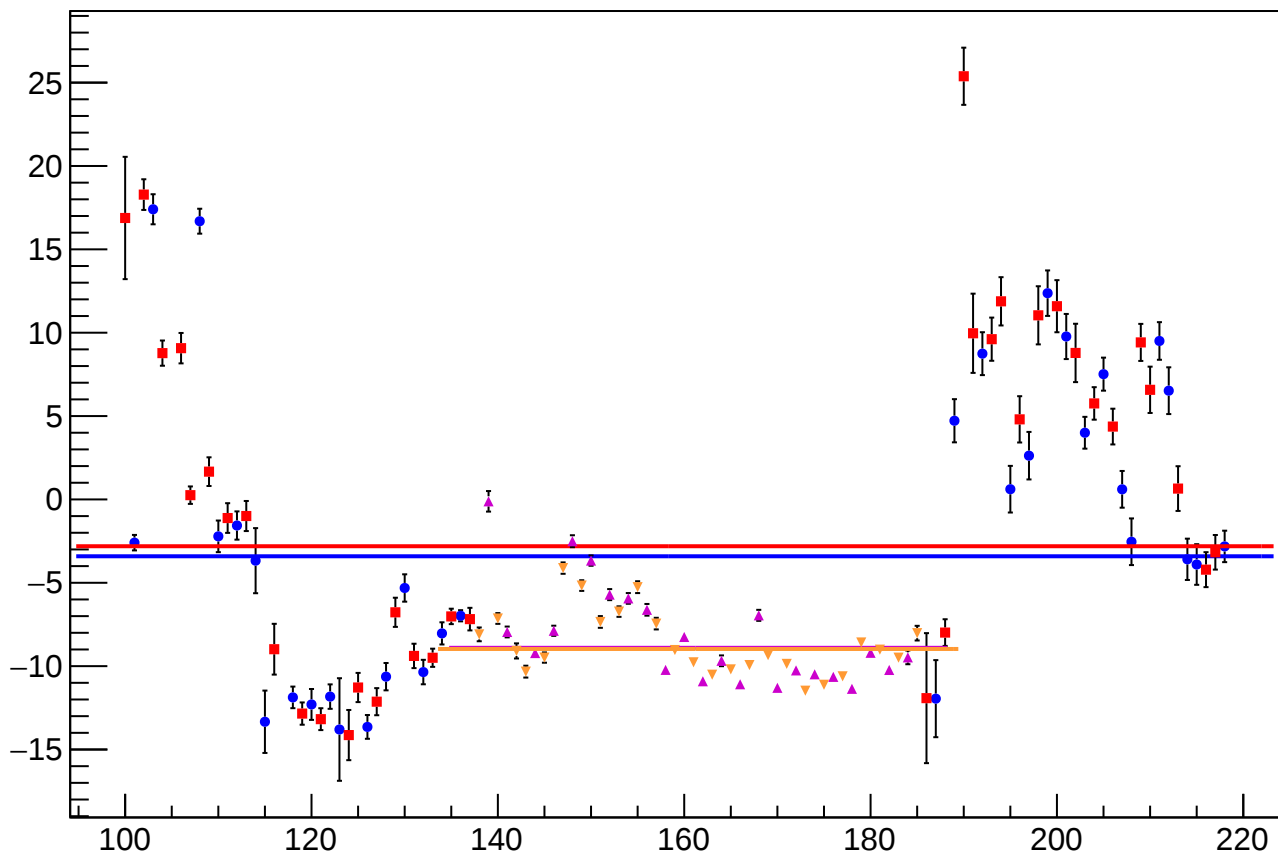
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.711 ± 0.061 χ^2/NDF : 5879.9/57

All: -6.811 ± 0.043 χ^2/NDF : 12696.9/116

- sign -6.913 ± 0.061 χ^2/NDF : 6811.5/58

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: -2.808 ± 0.151 χ^2/NDF : 3239.1/35

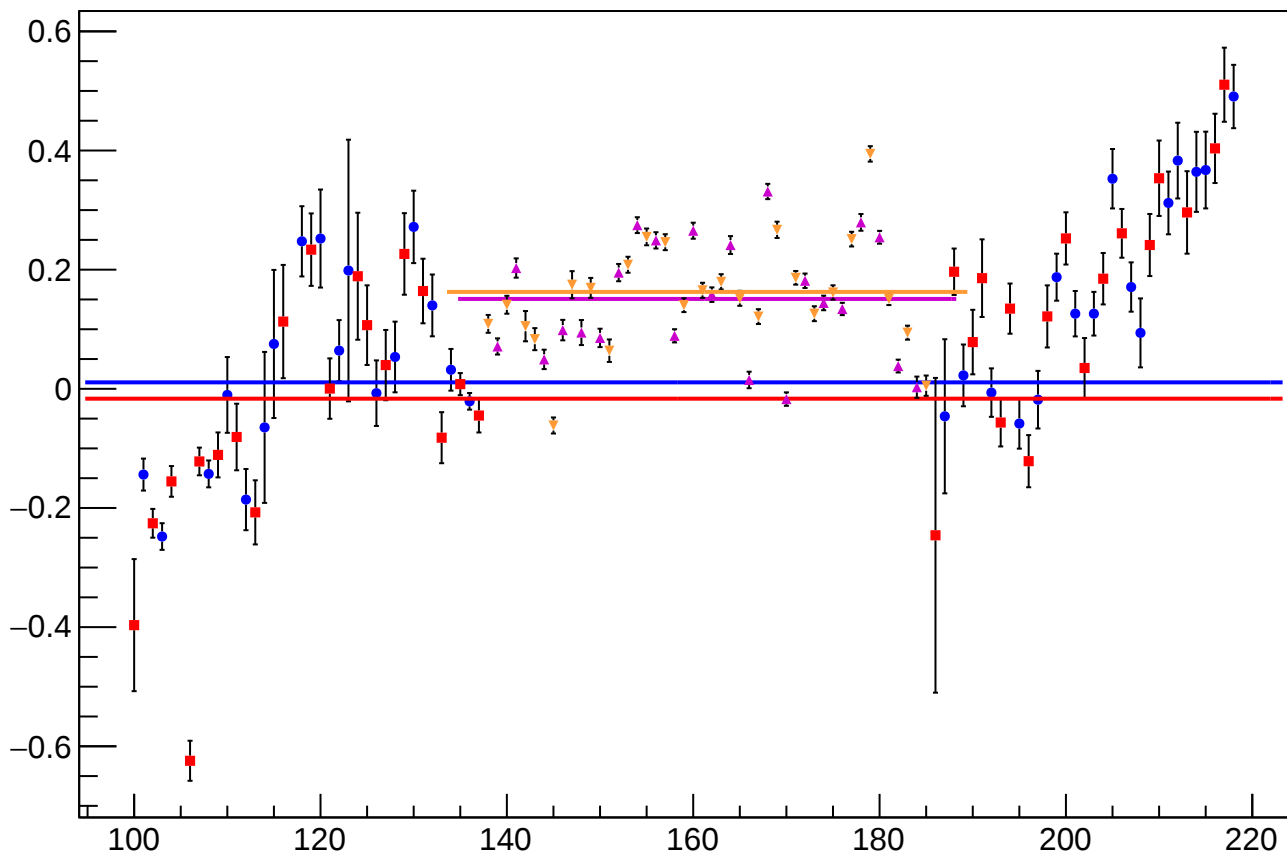
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.193 ± 0.056 χ^2/NDF : 5085.5/57

All: -8.114 ± 0.040 χ^2/NDF : 11256.5/116

- sign -8.031 ± 0.057 χ^2/NDF : 6166.9/58

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.011 ± 0.007 χ^2/NDF : 599.6/32

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.017 ± 0.007 χ^2/NDF : 918.8/35

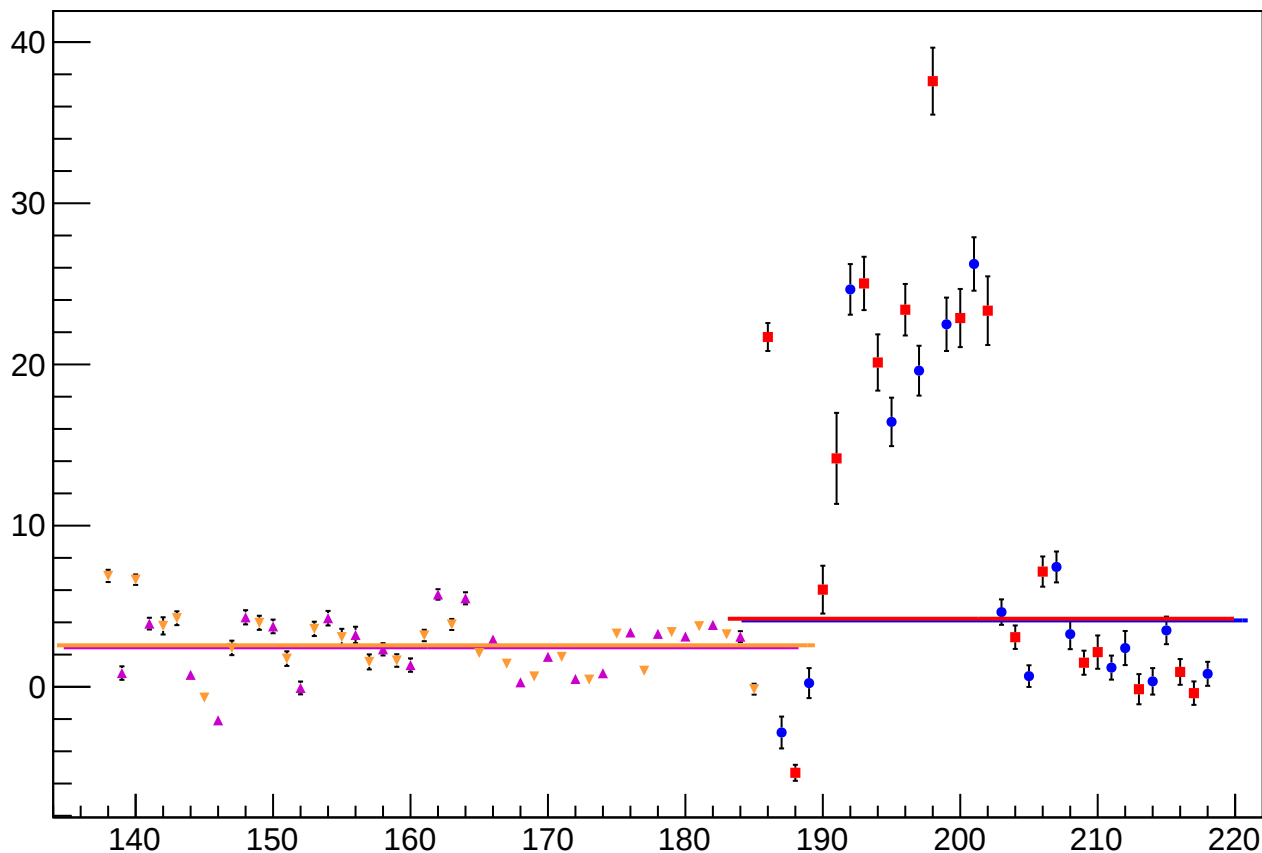
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.142 ± 0.003 χ^2/NDF : 2035.8/57

All: 0.135 ± 0.002 χ^2/NDF : 4759.4/116

- sign 0.128 ± 0.003 χ^2/NDF : 2707.9/58

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 4.120 ± 0.239 χ^2/NDF : 805.5/15

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 4.224 ± 0.235 χ^2/NDF : 1730.2/16

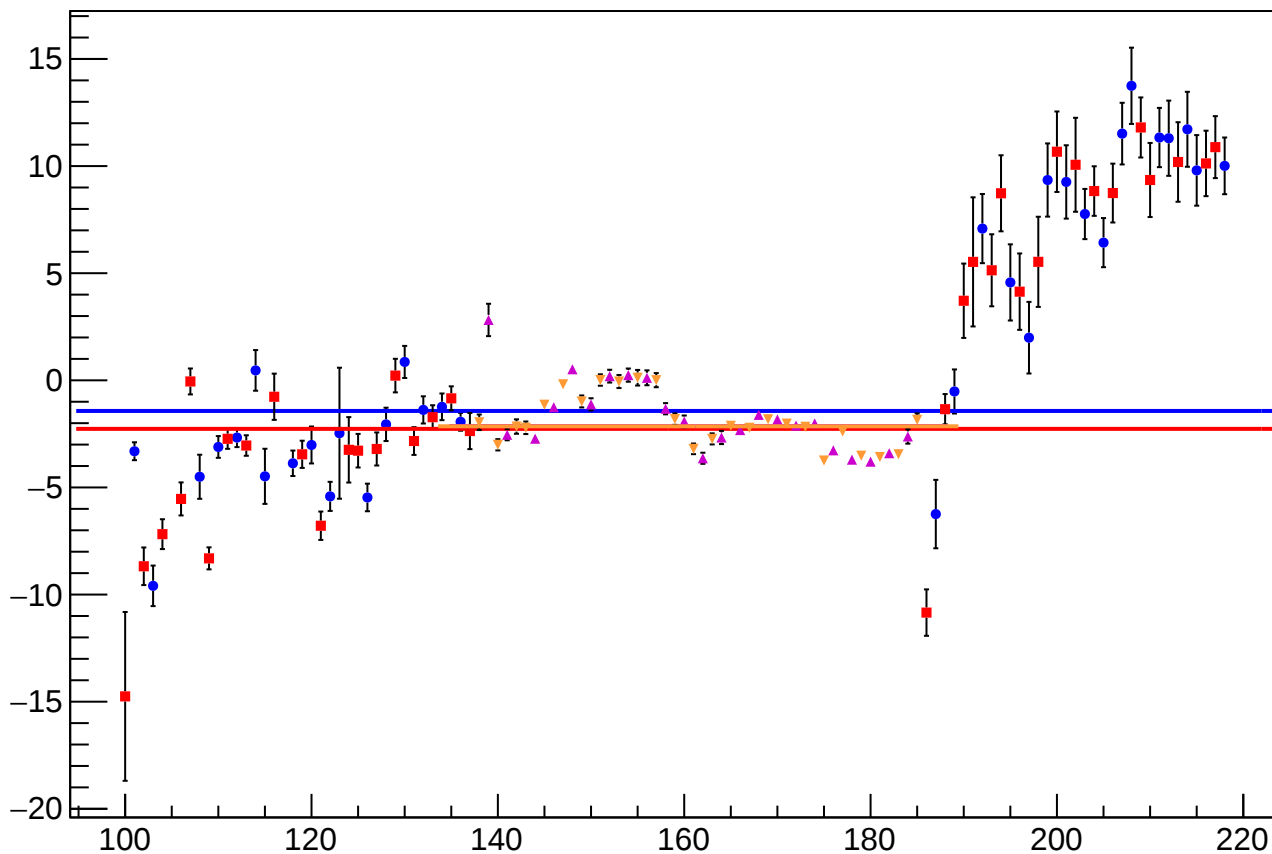
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.664 ± 0.057 χ^2/NDF : 1712.4/40

All: 2.612 ± 0.040 χ^2/NDF : 4369.2/80

- sign 2.559 ± 0.058 χ^2/NDF : 2655.1/39

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: -2.266 ± 0.141 χ^2/NDF : 1102.4/35

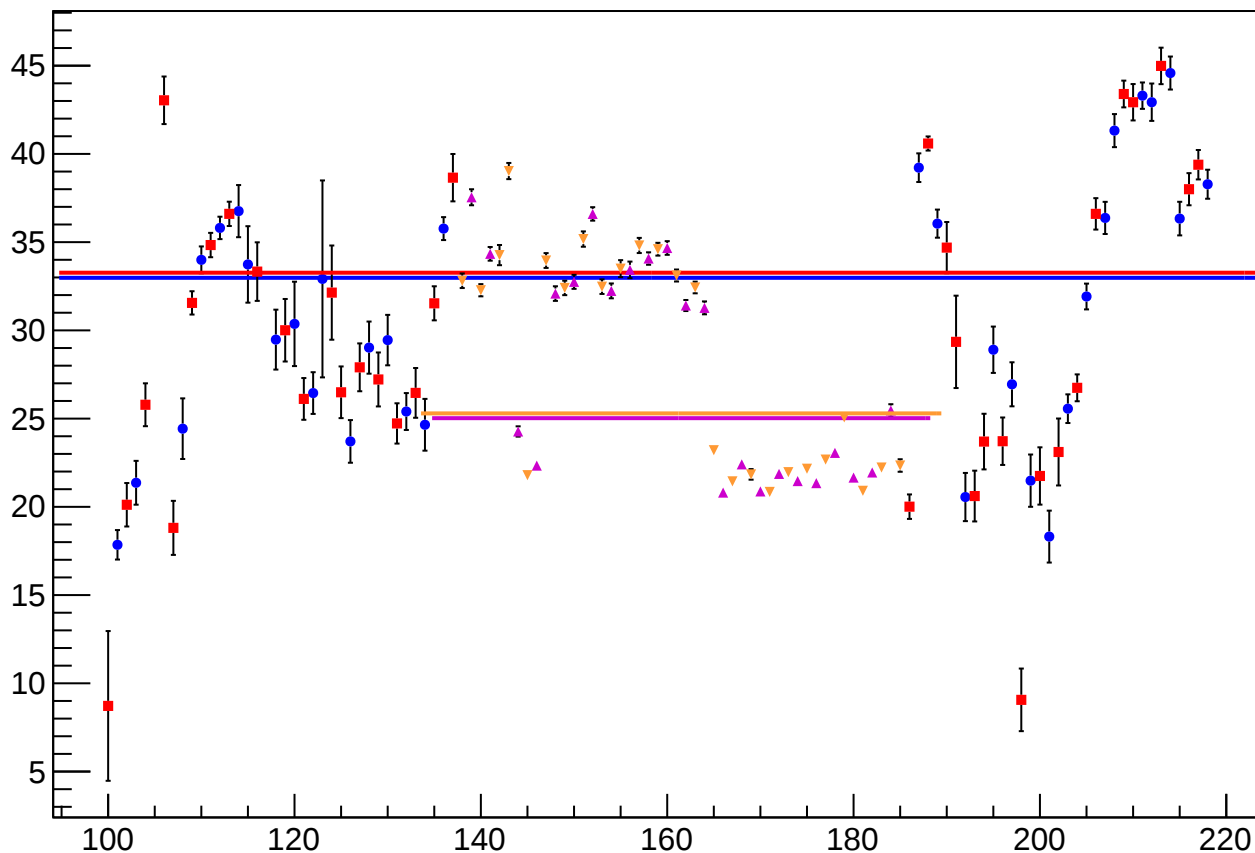
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.074 ± 0.045 χ^2/NDF : 1543.2/57

All: -2.111 ± 0.032 χ^2/NDF : 3339.0/116

- sign -2.150 ± 0.046 χ^2/NDF : 1794.4/58

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 32.979+/-0.177 χ^2/NDF : 1694.5/32

Left Out: 25.296+/-0.059 χ^2/NDF : 8272.3/24

Right Out: 33.268+/-0.168 χ^2/NDF : 2250.7/35

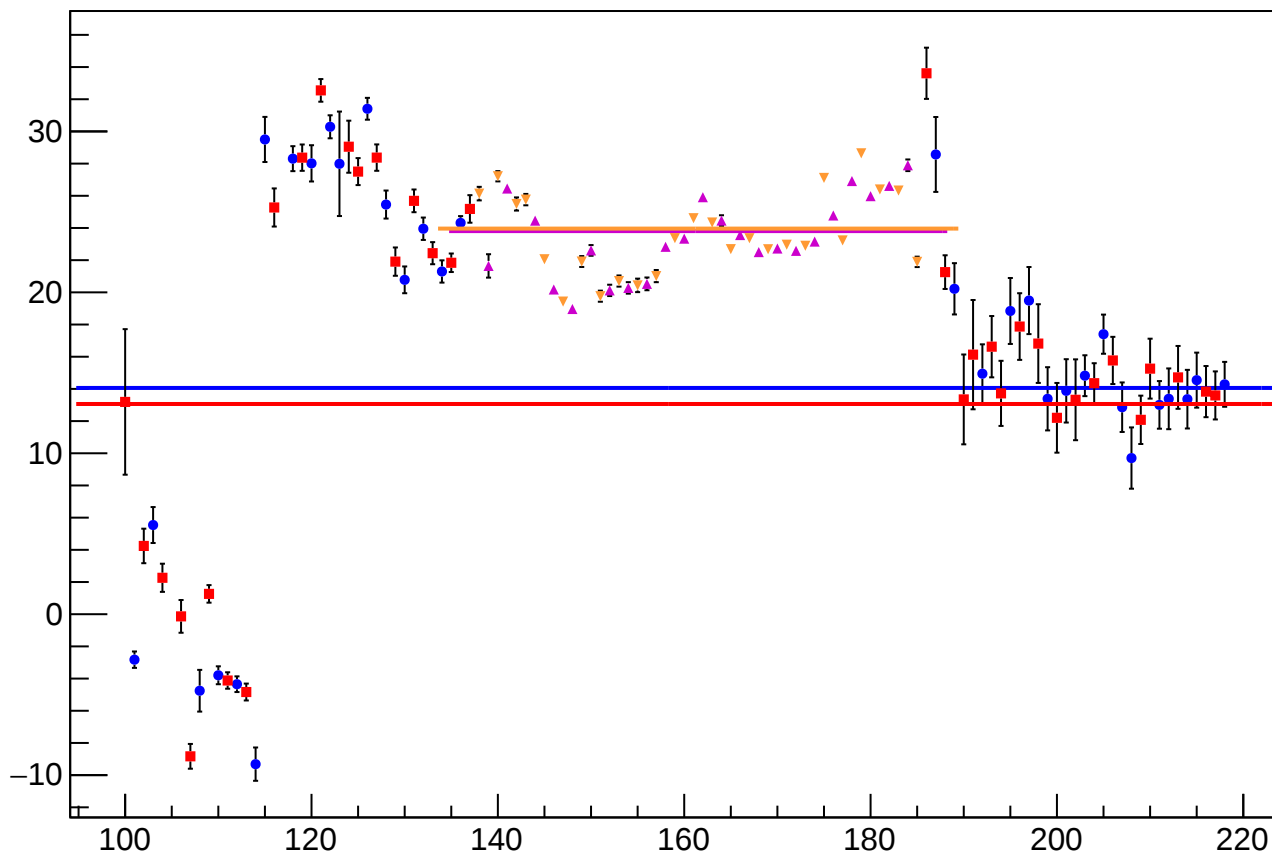
Left In: 25.025+/-0.060 χ^2/NDF : 7610.5/22

+ sign 26.059+/-0.056 χ^2/NDF : 11660.2/57

All: 26.002+/-0.040 χ^2/NDF : 23657.9/116

- sign 25.945+/-0.056 χ^2/NDF : 11995.6/58

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: 13.063 $\pm$ 0.161 χ^2 /NDF: 7215.2/35

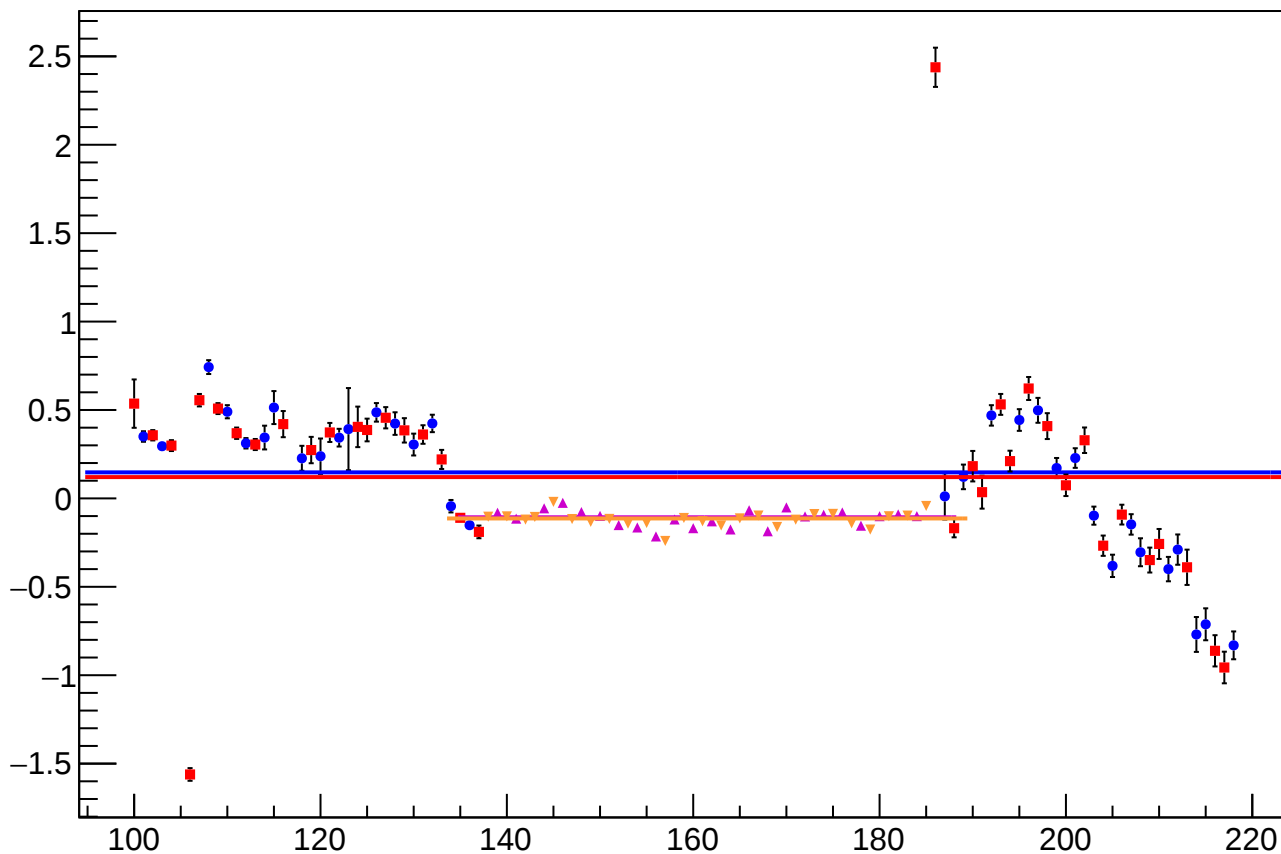
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 22.976 $\pm$ 0.050 χ^2 /NDF: 12736.8/57

All: 22.846 $\pm$ 0.036 χ^2 /NDF: 25748.6/116

- sign 22.712 $\pm$ 0.051 χ^2 /NDF: 12998.3/58

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.147 $\pm$ 0.008 χ^2 /NDF: 1538.4/32

Left Out: -0.113 $\pm$ 0.002 χ^2 /NDF: 291.0/24

Right Out: 0.120 $\pm$ 0.008 χ^2 /NDF: 4040.6/35

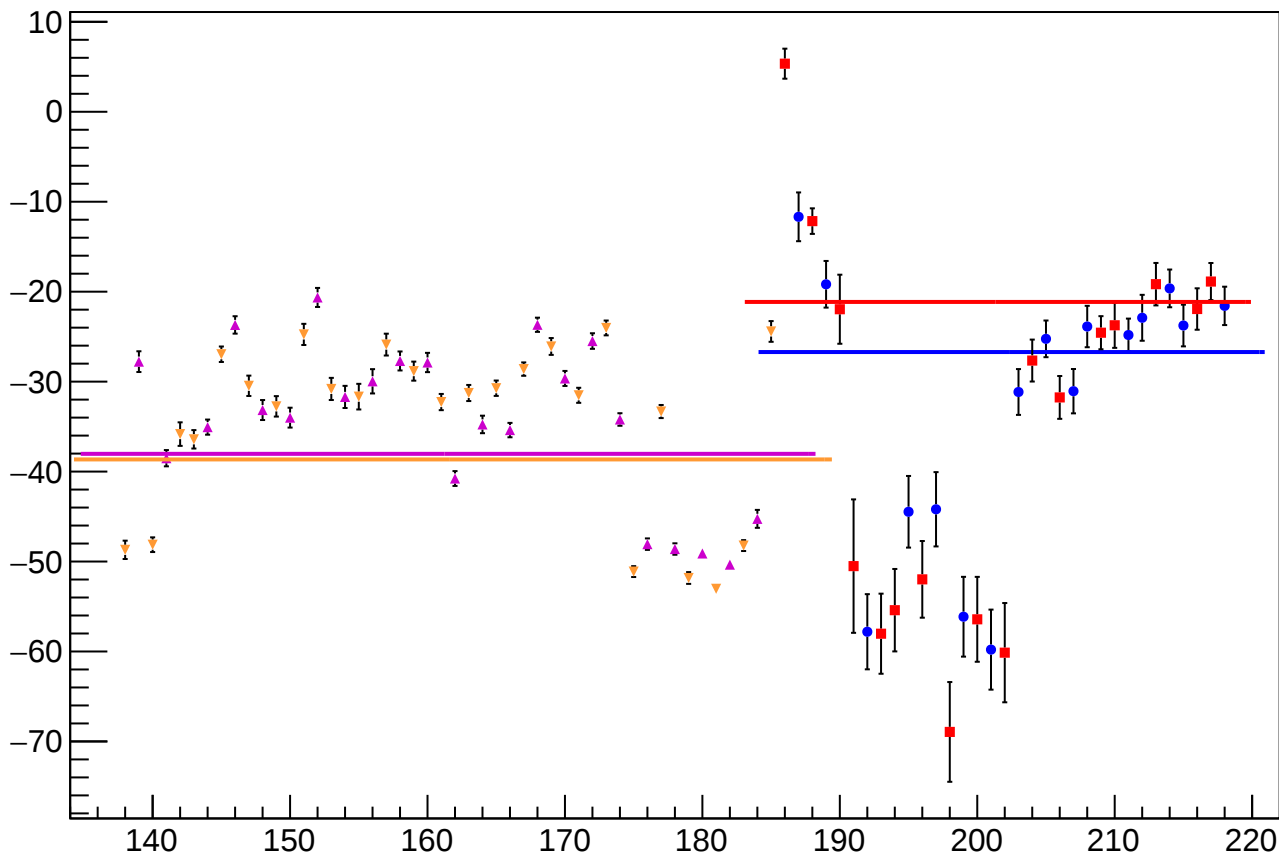
Left In: -0.107 $\pm$ 0.002 χ^2 /NDF: 321.8/22

+ sign -0.093 $\pm$ 0.002 χ^2 /NDF: 2757.5/57

All: -0.090 $\pm$ 0.002 χ^2 /NDF: 7842.8/116

- sign -0.087 $\pm$ 0.002 χ^2 /NDF: 5082.9/58

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: -21.140 ± 0.618 χ^2/NDF : 698.8/16

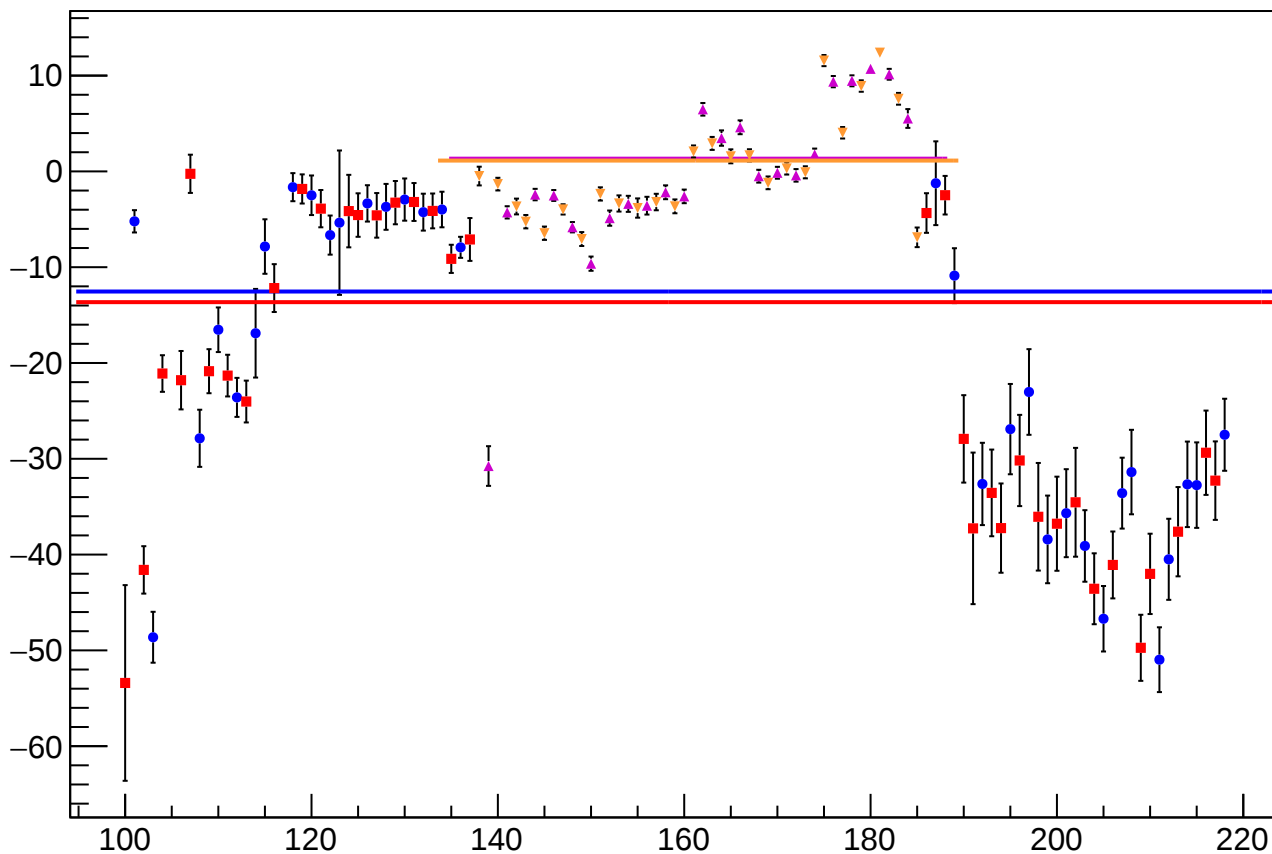
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -37.883 ± 0.164 χ^2/NDF : 4659.3/40

All: -37.350 ± 0.117 χ^2/NDF : 9164.8/80

- sign -36.796 ± 0.167 χ^2/NDF : 4483.8/39

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -12.540 ± 0.422 $\chi^2/\text{NDF}: 1019.9/32$

Left Out: 1.130 ± 0.136 $\chi^2/\text{NDF}: 1799.3/24$

Right Out: -13.649 ± 0.431 $\chi^2/\text{NDF}: 993.3/35$

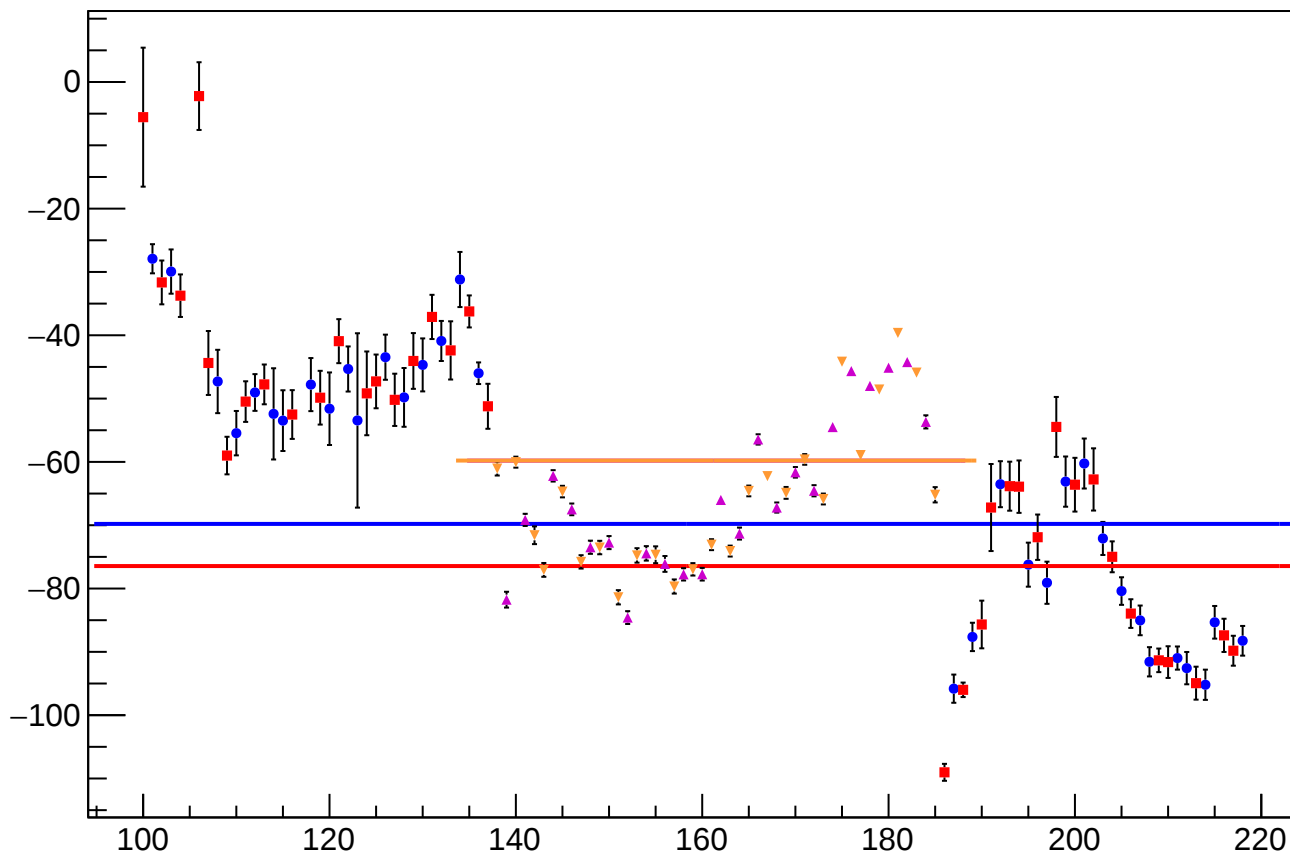
Left In: 1.329 ± 0.140 $\chi^2/\text{NDF}: 2048.0/22$

+ sign -0.154 ± 0.129 $\chi^2/\text{NDF}: 3768.7/57$

All: -0.126 ± 0.093 $\chi^2/\text{NDF}: 7901.8/116$

- sign -0.096 ± 0.133 $\chi^2/\text{NDF}: 4133.0/58$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -69.793 ± 0.507 χ^2/NDF : 1922.0/32

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -76.450 ± 0.479 χ^2/NDF : 2777.0/35

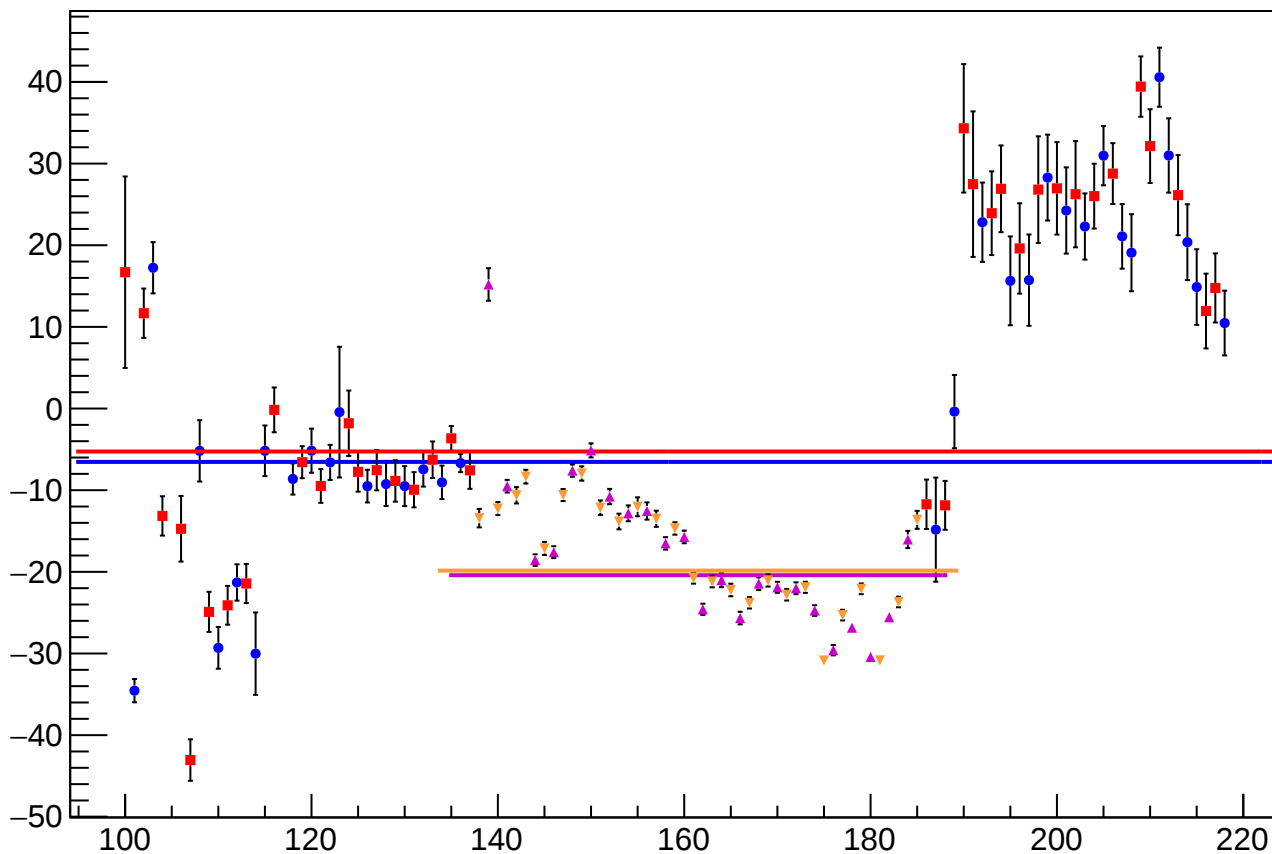
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -60.800 ± 0.161 χ^2/NDF : 8109.4/57

All: -61.261 ± 0.115 χ^2/NDF : 17190.2/116

- sign -61.732 ± 0.163 χ^2/NDF : 9064.3/58

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: -5.262 ± 0.495 $\chi^2/\text{NDF}: 1120.3/35$

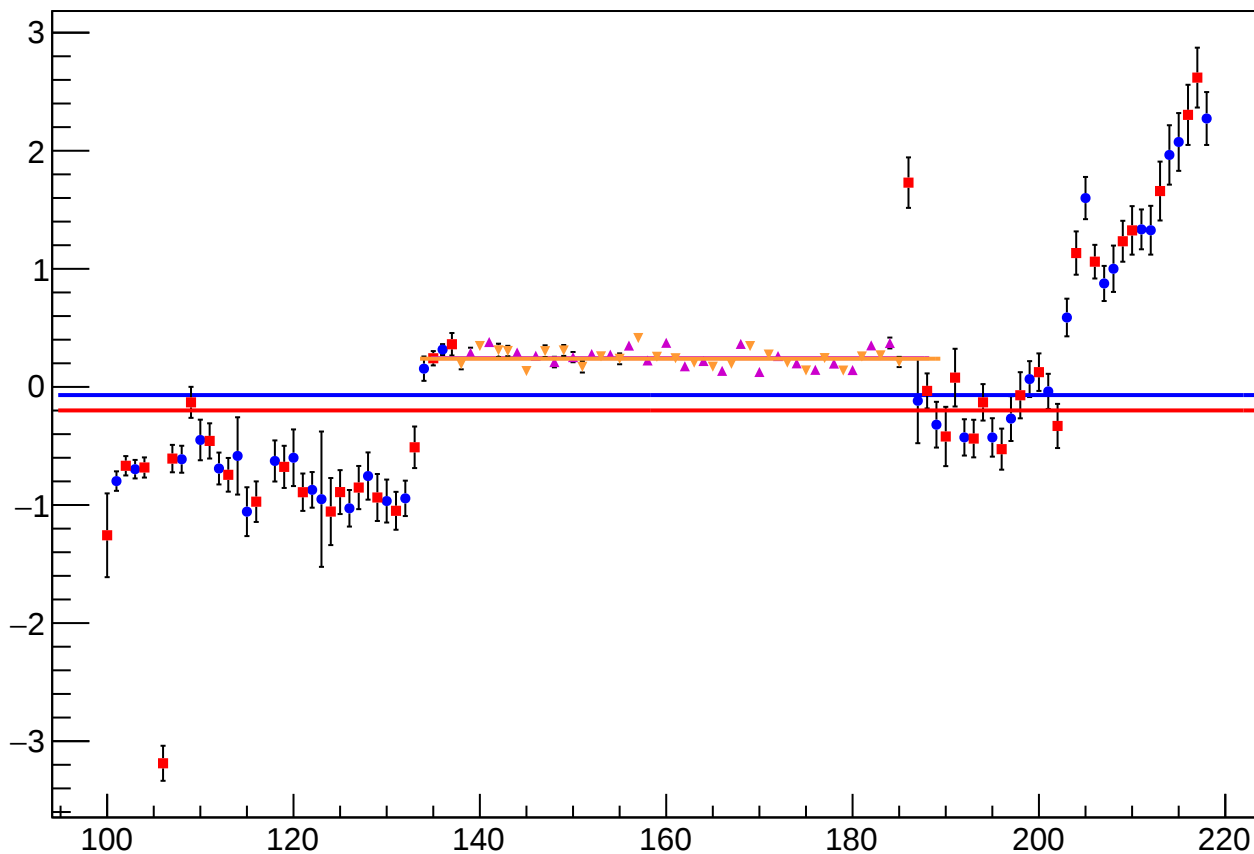
Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

+ sign -18.601 ± 0.145 $\chi^2/\text{NDF}: 3938.7/57$

All: -18.809 ± 0.104 $\chi^2/\text{NDF}: 8217.7/116$

- sign -19.029 ± 0.149 $\chi^2/\text{NDF}: 4274.8/58$

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: -0.199 ± 0.024 χ^2/NDF : 1350.5/35

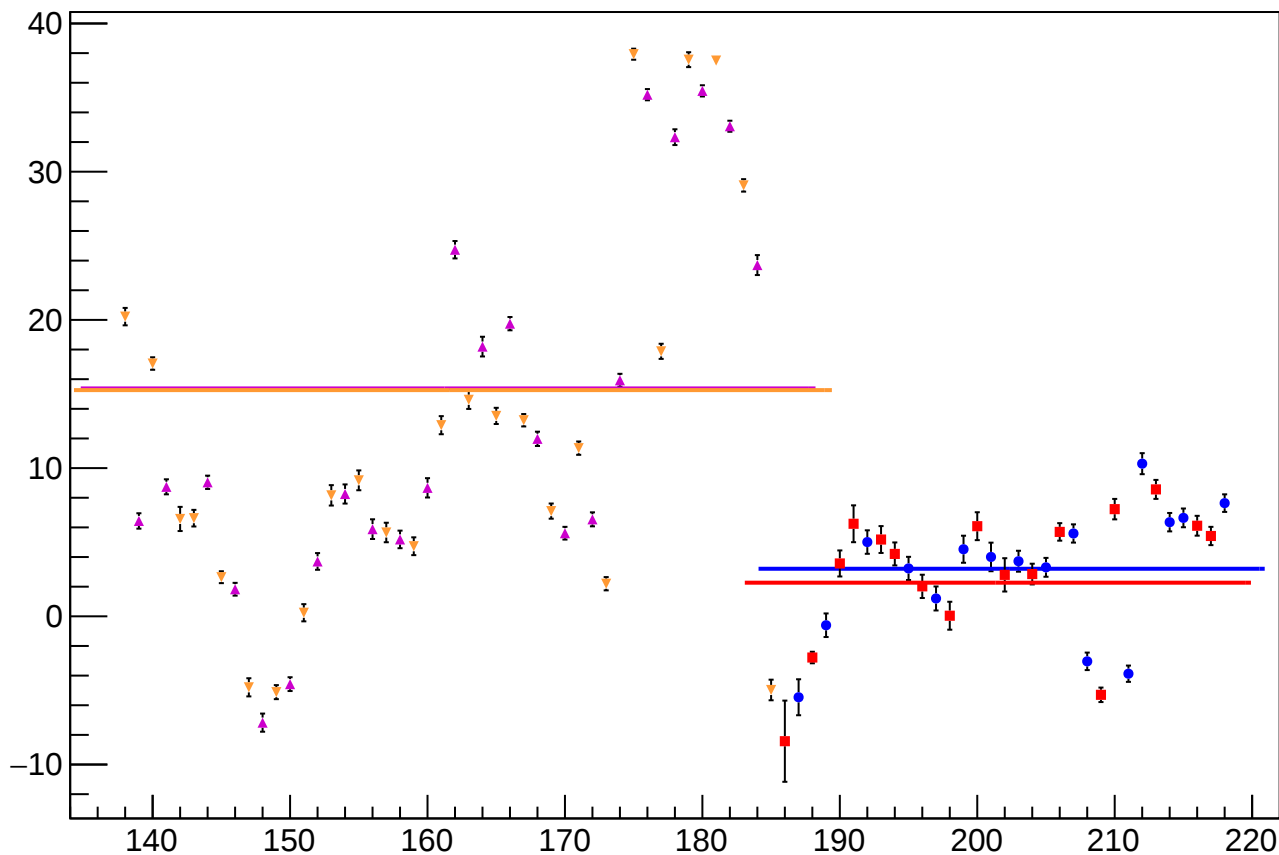
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.214 ± 0.007 χ^2/NDF : 1249.4/57

All: 0.211 ± 0.005 χ^2/NDF : 3046.6/116

- sign 0.207 ± 0.007 χ^2/NDF : 1796.8/58

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: 2.269 ± 0.170 χ^2/NDF : 716.2/16

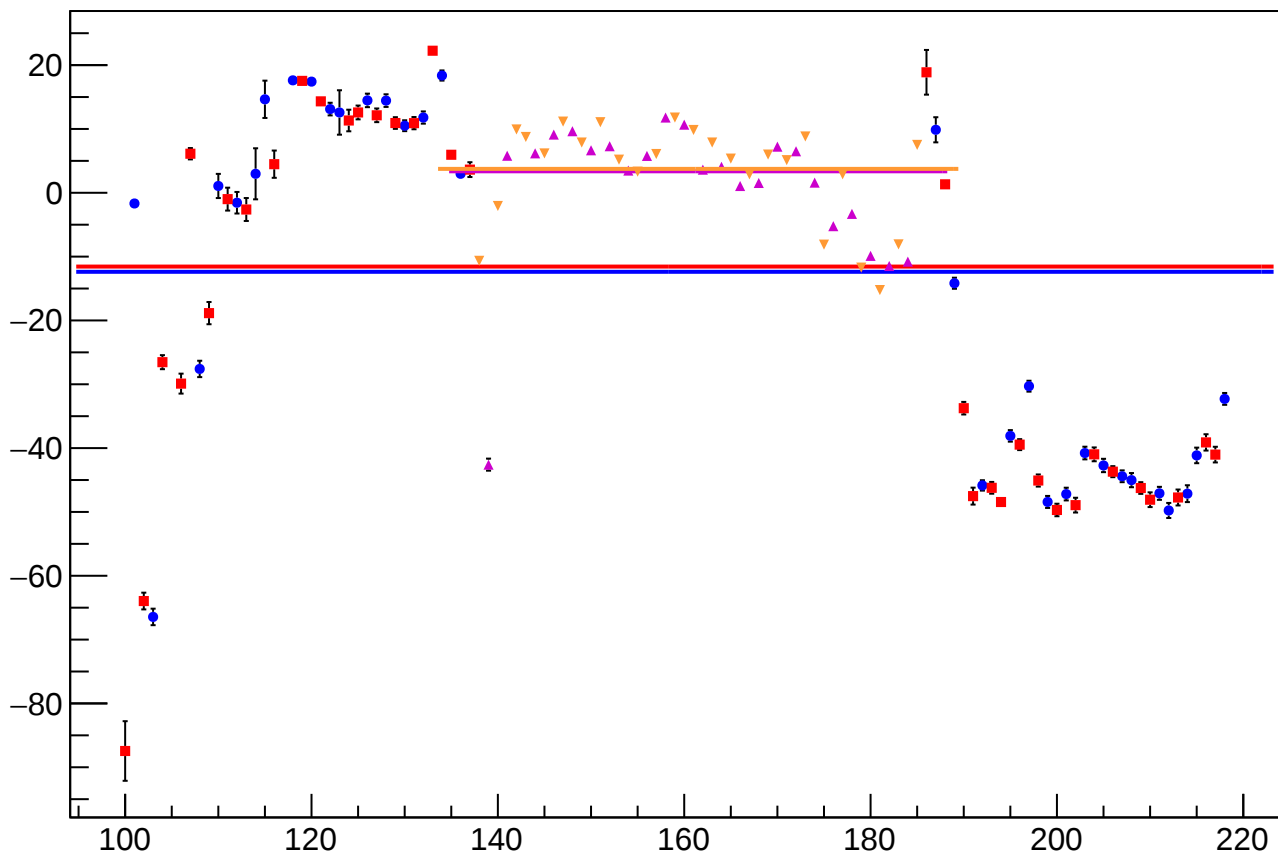
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 12.284 ± 0.087 χ^2/NDF : 23322.8/40

All: 12.074 ± 0.062 χ^2/NDF : 44685.5/80

- sign 11.860 ± 0.088 χ^2/NDF : 21351.0/39

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: -11.560 ± 0.159 χ^2/NDF : 32277.6/35

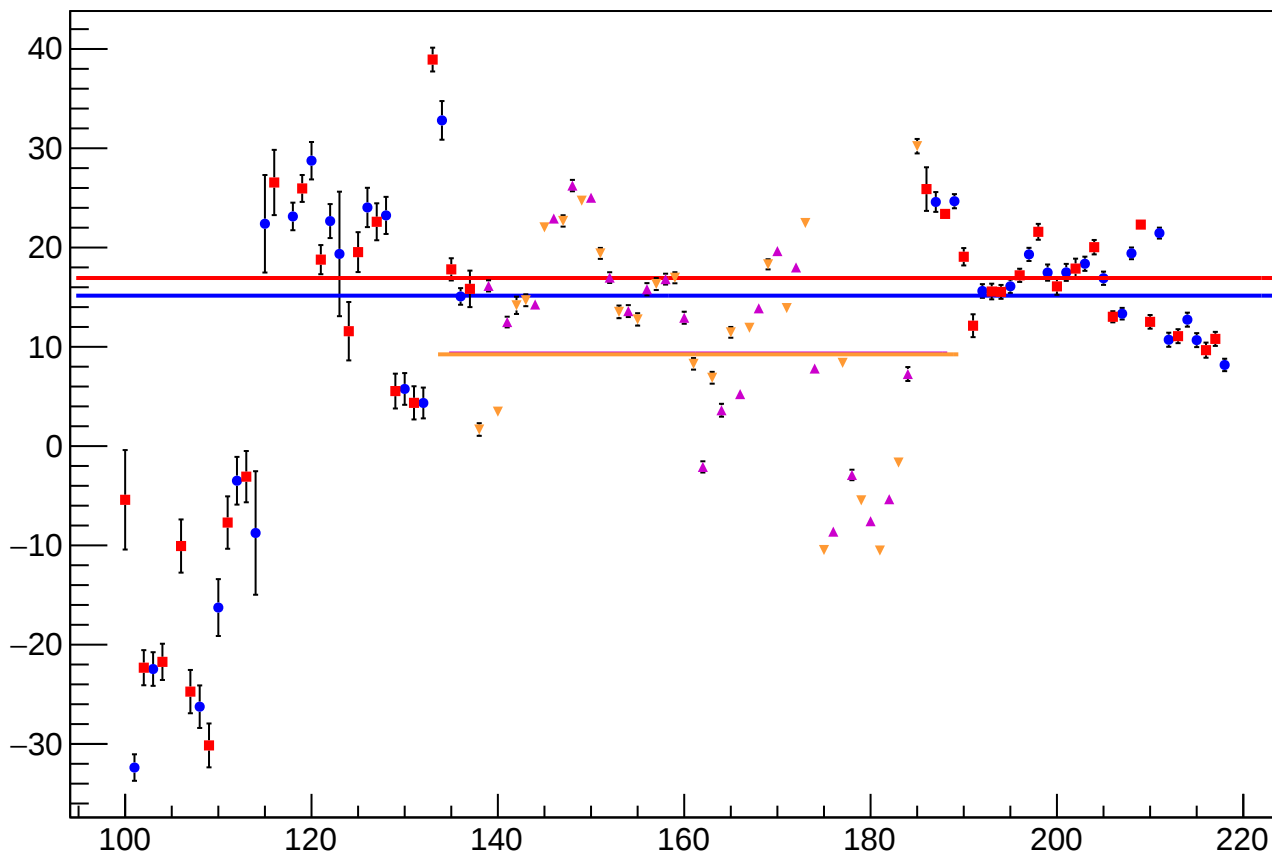
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 0.749 ± 0.071 χ^2/NDF : 44186.6/57

All: 0.510 ± 0.051 χ^2/NDF : 92029.9/116

- sign 0.263 ± 0.072 χ^2/NDF : 47820.3/58

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: 16.932 $\pm$ 0.149 χ^2 /NDF: 3497.0/35

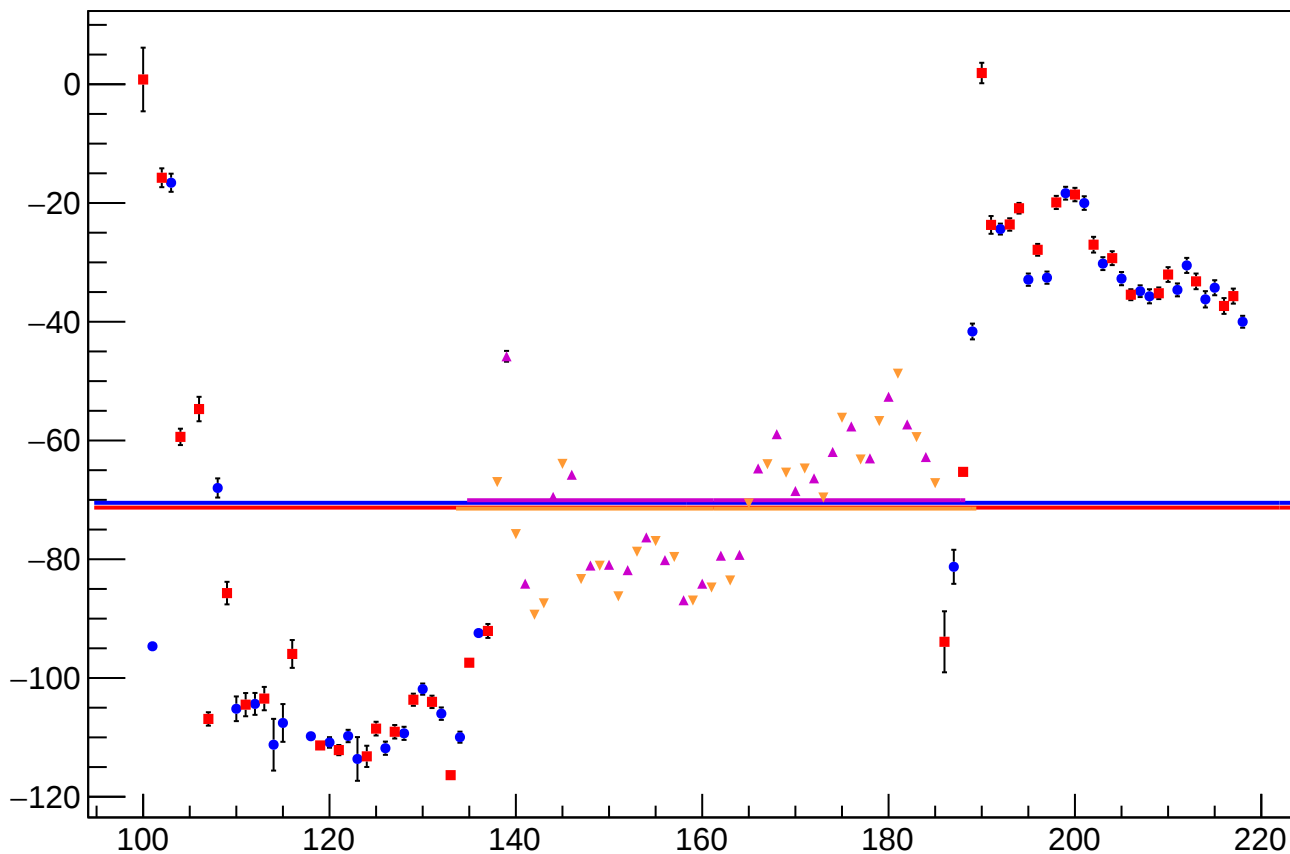
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.948 $\pm$ 0.085 χ^2 /NDF: 18024.2/57

All: 11.361 $\pm$ 0.060 χ^2 /NDF: 35300.3/116

- sign 11.768 $\pm$ 0.085 χ^2 /NDF: 17229.4/58

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -70.495 ± 0.188 $\chi^2/\text{NDF}: 37748.9/32$

Left Out: -71.465 ± 0.089 $\chi^2/\text{NDF}: 16409.7/24$

Right Out: -71.298 ± 0.184 $\chi^2/\text{NDF}: 44936.9/35$

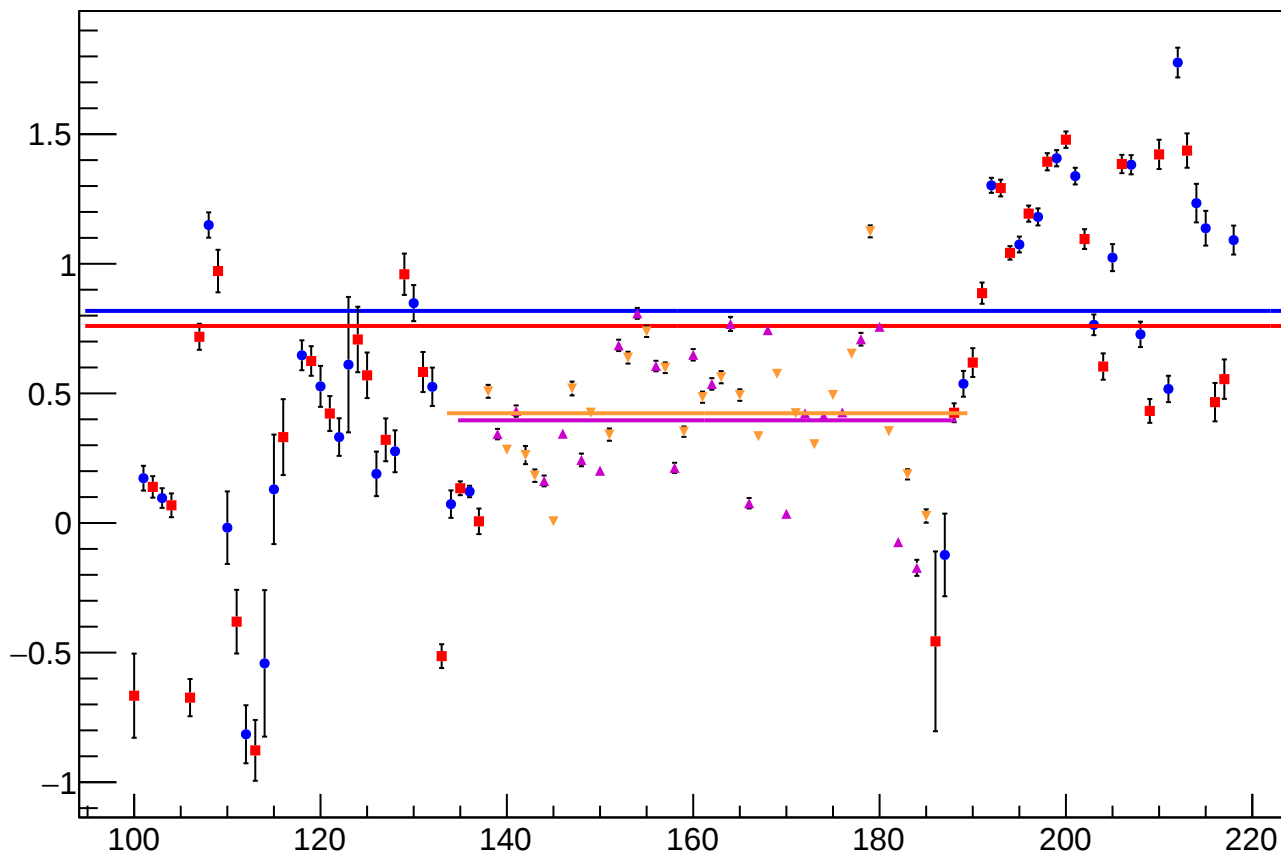
Left In: -70.061 ± 0.092 $\chi^2/\text{NDF}: 13058.5/22$

+ sign -71.287 ± 0.081 $\chi^2/\text{NDF}: 54180.2/57$

All: -70.805 ± 0.058 $\chi^2/\text{NDF}: 112284.2/116$

- sign -70.306 ± 0.082 $\chi^2/\text{NDF}: 58031.5/58$

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: 0.760 $\pm$ 0.008 χ^2 /NDF: 5136.7/35

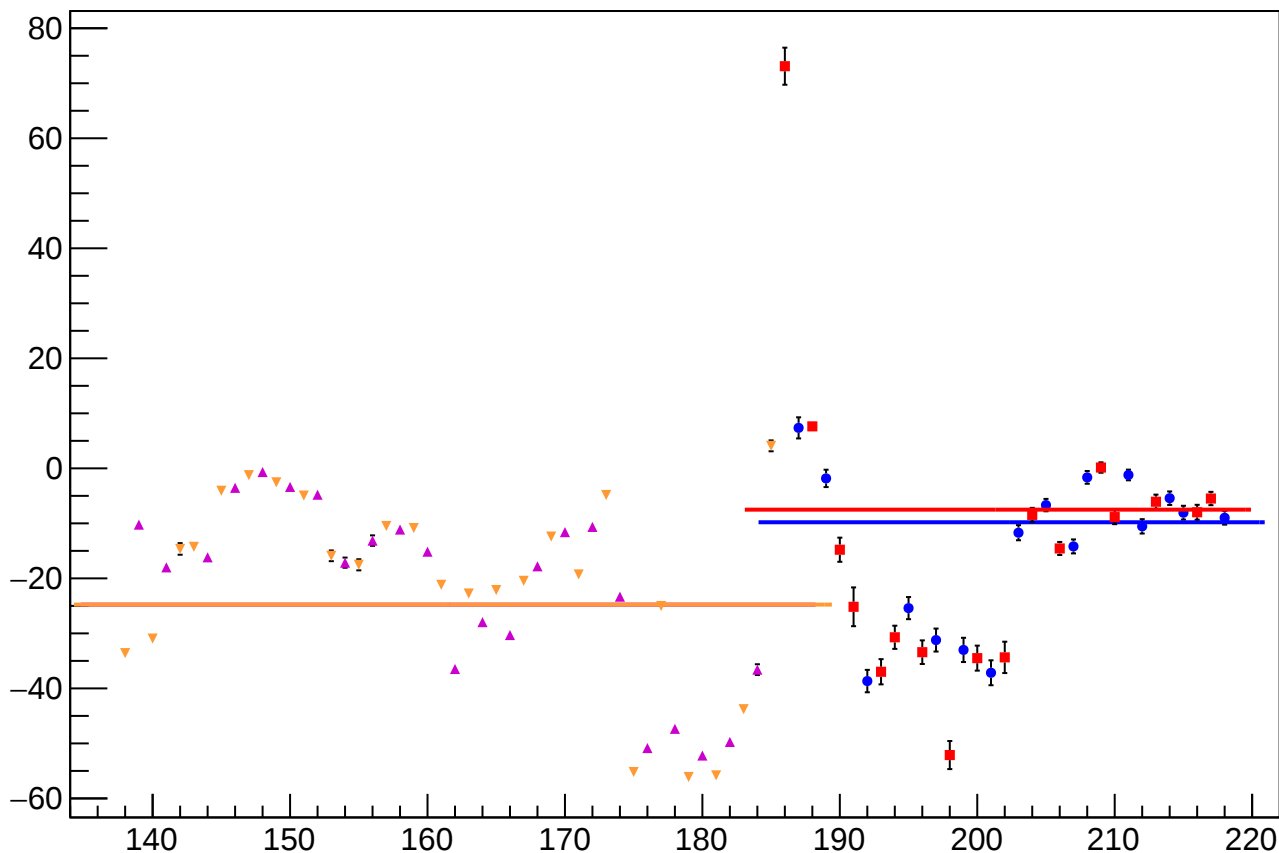
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF:4051.5/22

+ sign 0.501 $\pm$ 0.004 χ^2 /NDF: 8752.8/57

All: 0.488 $\pm$ 0.003 χ^2 /NDF: 19610.0/116

- sign 0.474 $\pm$ 0.004 χ^2 /NDF: 10830.6/58

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: -7.508 ± 0.356 χ^2/NDF : 2040.6/16

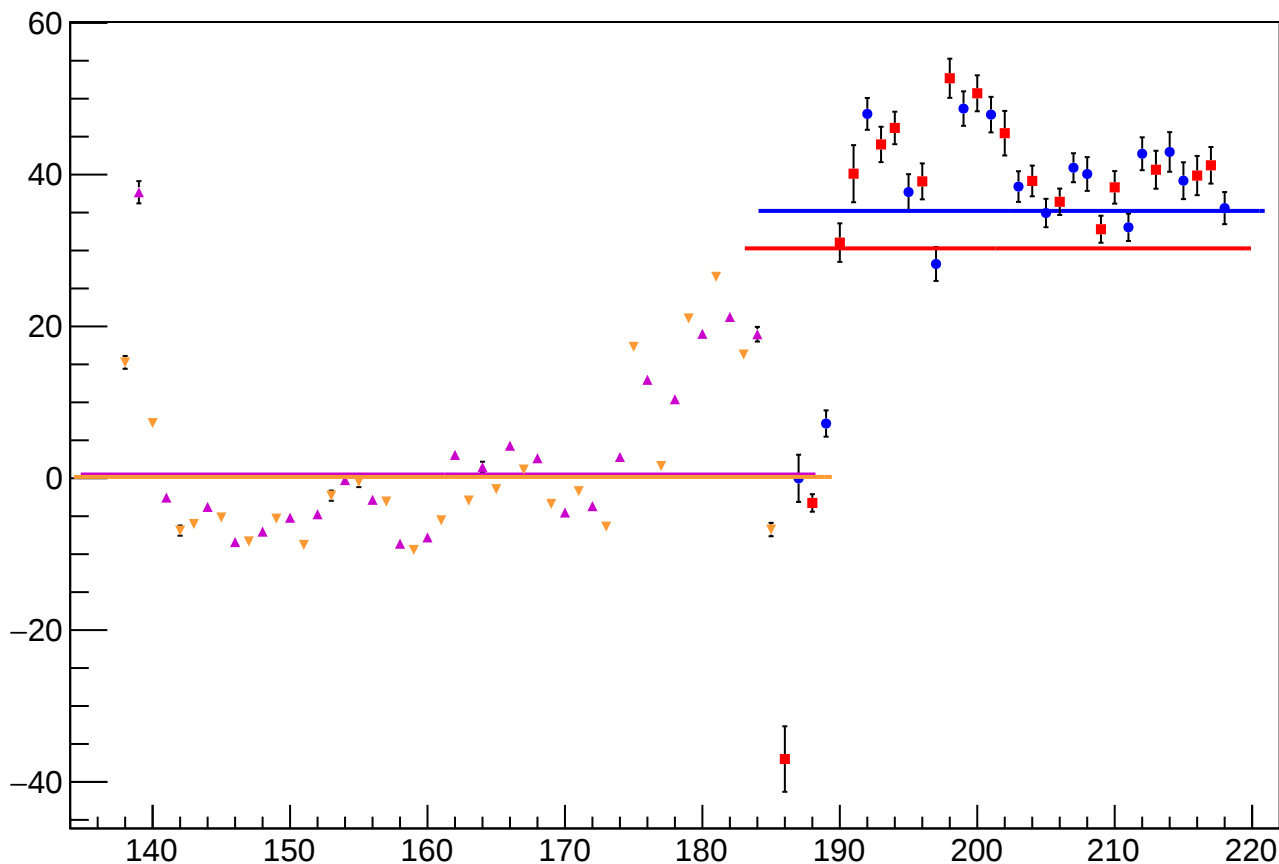
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -22.745 ± 0.130 χ^2/NDF : 20770.8/40

All: -22.565 ± 0.093 χ^2/NDF : 39653.4/80

- sign -22.378 ± 0.132 χ^2/NDF : 18878.7/39

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 35.219 ± 0.535 $\chi^2/\text{NDF}: 543.7/15$

Left Out: 0.177 ± 0.109 $\chi^2/\text{NDF}: 8295.6/24$

Right Out: 30.283 ± 0.524 $\chi^2/\text{NDF}: 1475.7/16$

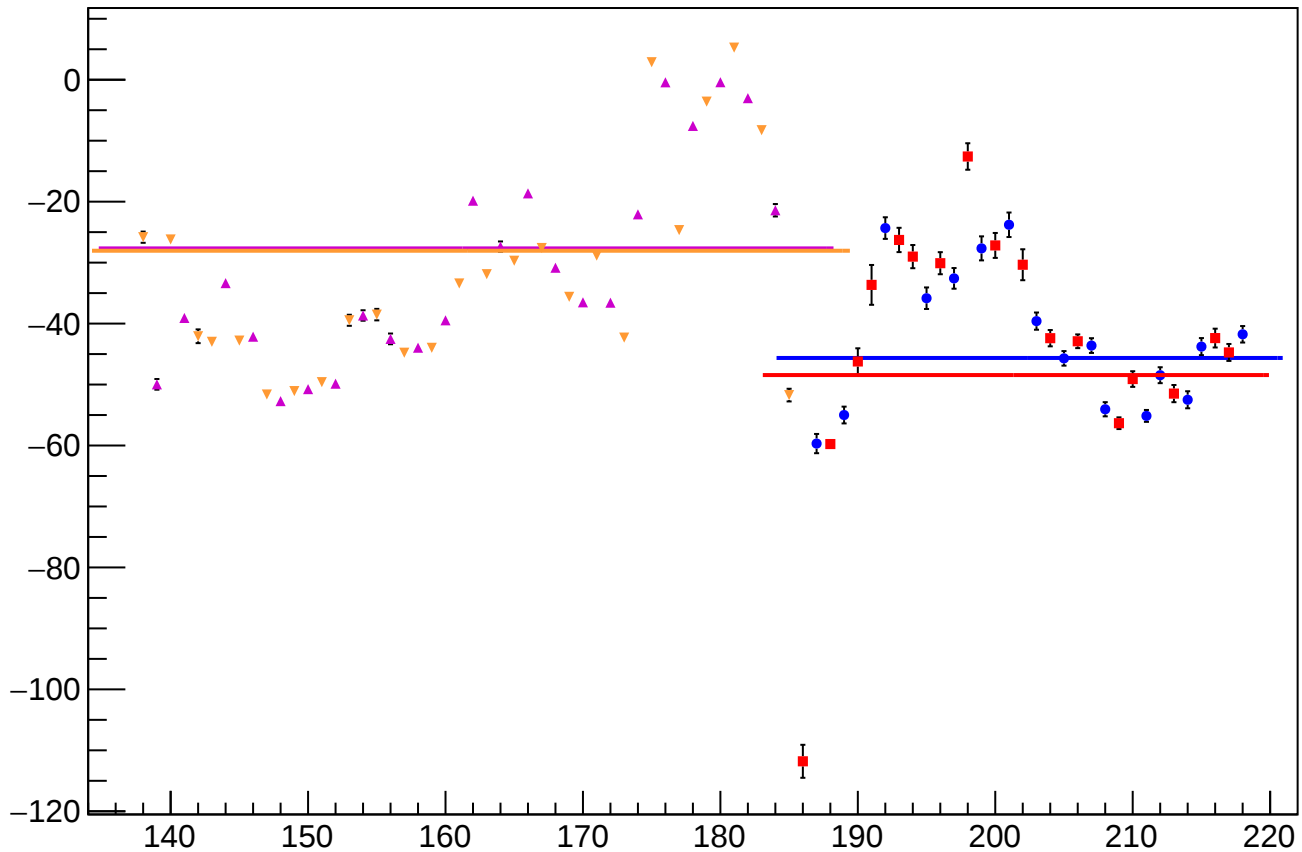
Left In: 0.493 ± 0.112 $\chi^2/\text{NDF}: 6555.4/22$

+ sign 1.561 ± 0.106 $\chi^2/\text{NDF}: 12957.1/40$

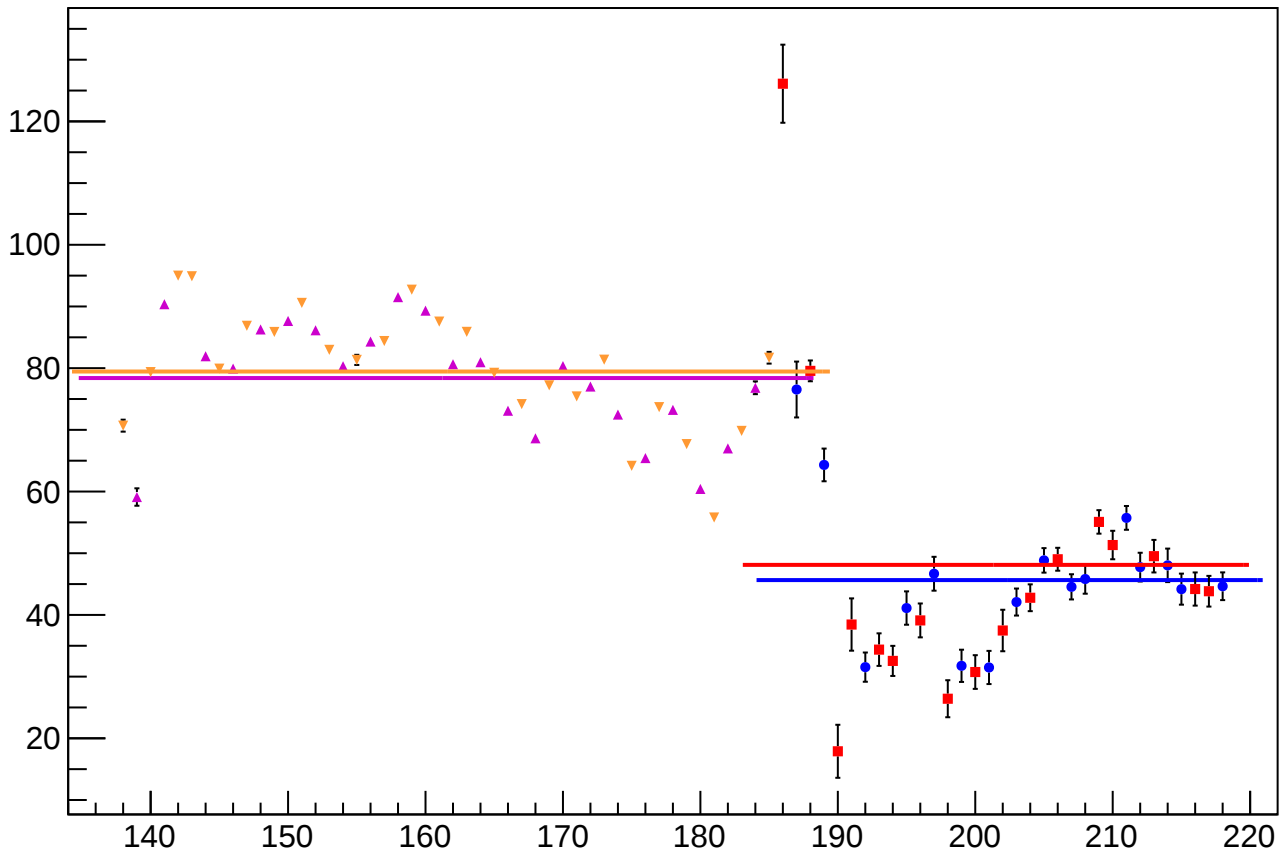
All: 1.677 ± 0.076 $\chi^2/\text{NDF}: 24086.1/80$

- sign 1.799 ± 0.110 $\chi^2/\text{NDF}: 11126.6/39$

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 45.647 $\pm$ 0.603 χ^2 /NDF: 225.6/15

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF: 6077.1/24

Right Out: 48.113 $\pm$ 0.612 χ^2 /NDF: 762.6/16

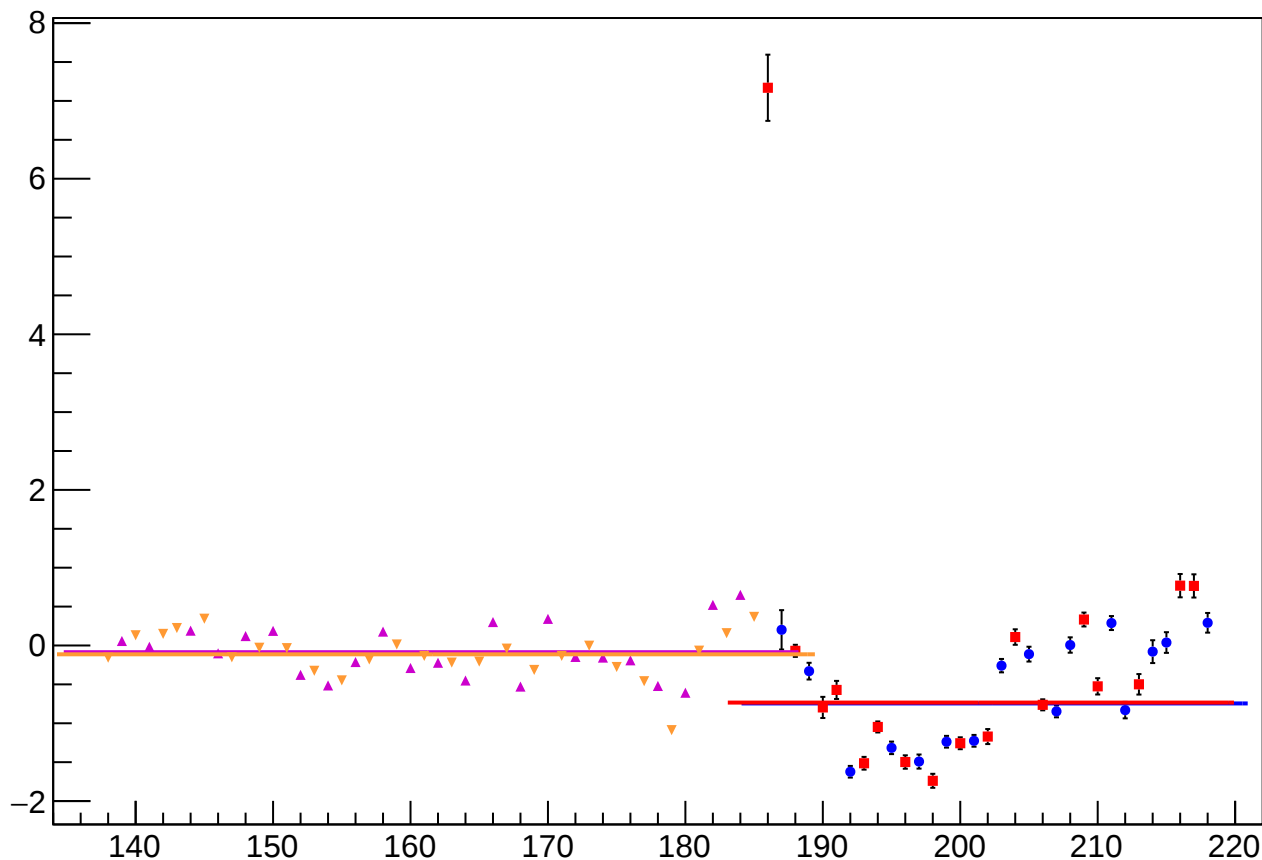
Left In: 78.396 $\pm$ 0.127 χ^2 /NDF: 4707.3/22

+ sign 78.103 $\pm$ 0.121 χ^2 /NDF: 9316.4/40

All: 77.640 $\pm$ 0.087 χ^2 /NDF: 17167.1/80

- sign 77.149 $\pm$ 0.124 χ^2 /NDF: 7820.4/39

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: -0.734 ± 0.023 χ^2/NDF : 1224.2/16

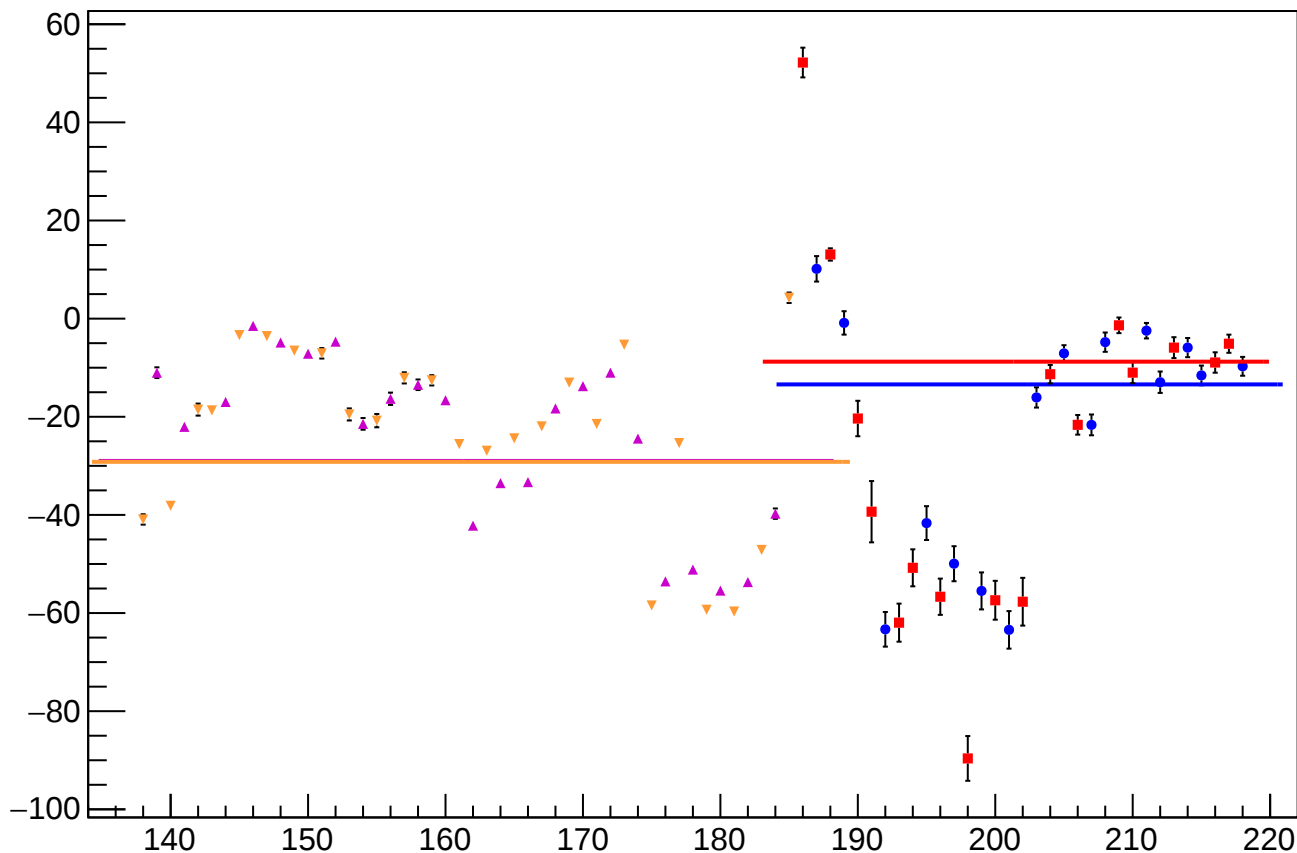
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.148 ± 0.006 χ^2/NDF : 3739.6/40

All: -0.136 ± 0.004 χ^2/NDF : 8834.4/80

- sign -0.124 ± 0.006 χ^2/NDF : 5085.5/39

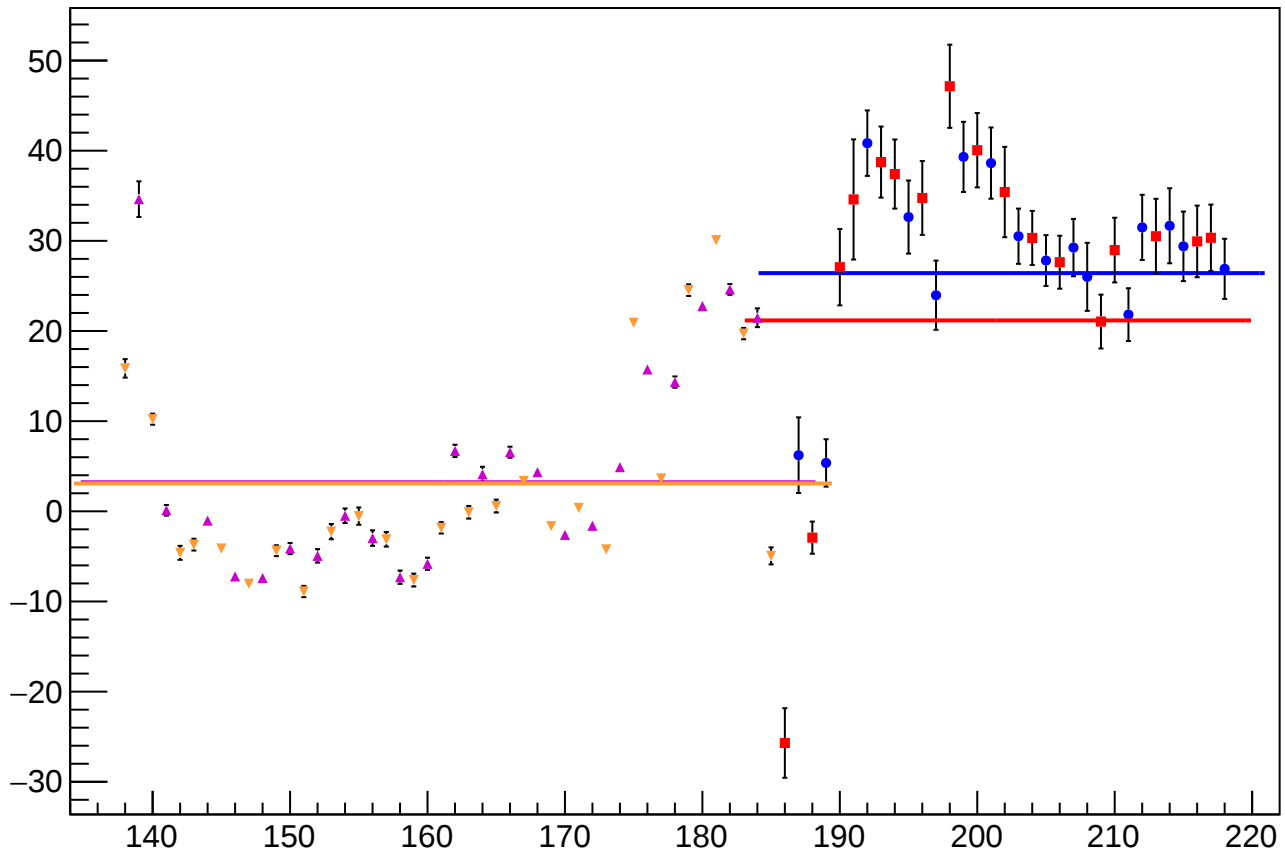
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -13.404 ± 0.562 $\chi^2/\text{NDF}: 894.7/15$
 Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$
 Right Out: -8.768 ± 0.568 $\chi^2/\text{NDF}: 1861.6/16$
 Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -28.040 ± 0.151 $\chi^2/\text{NDF}: 18538.9/40$
 All: -27.784 ± 0.108 $\chi^2/\text{NDF}: 34999.2/80$
 - sign -27.519 ± 0.154 $\chi^2/\text{NDF}: 16454.5/39$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 26.421 ± 0.862 χ^2/NDF : 135.9/15

Left Out: 3.091 ± 0.124 χ^2/NDF : 8084.1/24

Right Out: 21.172 ± 0.842 χ^2/NDF : 480.1/16

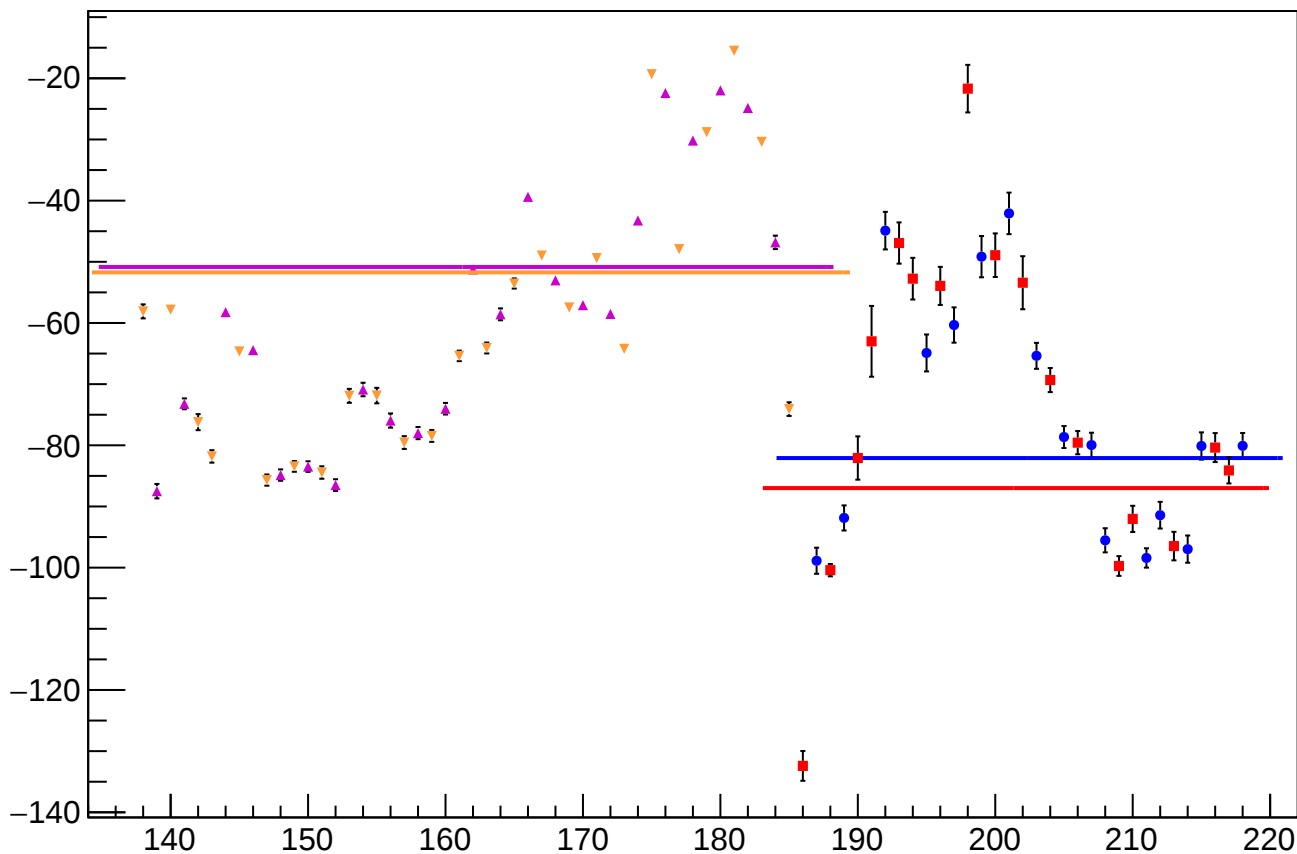
Left In: 3.221 ± 0.127 χ^2/NDF : 6237.6/22

+ sign 3.567 ± 0.123 χ^2/NDF : 8937.7/40

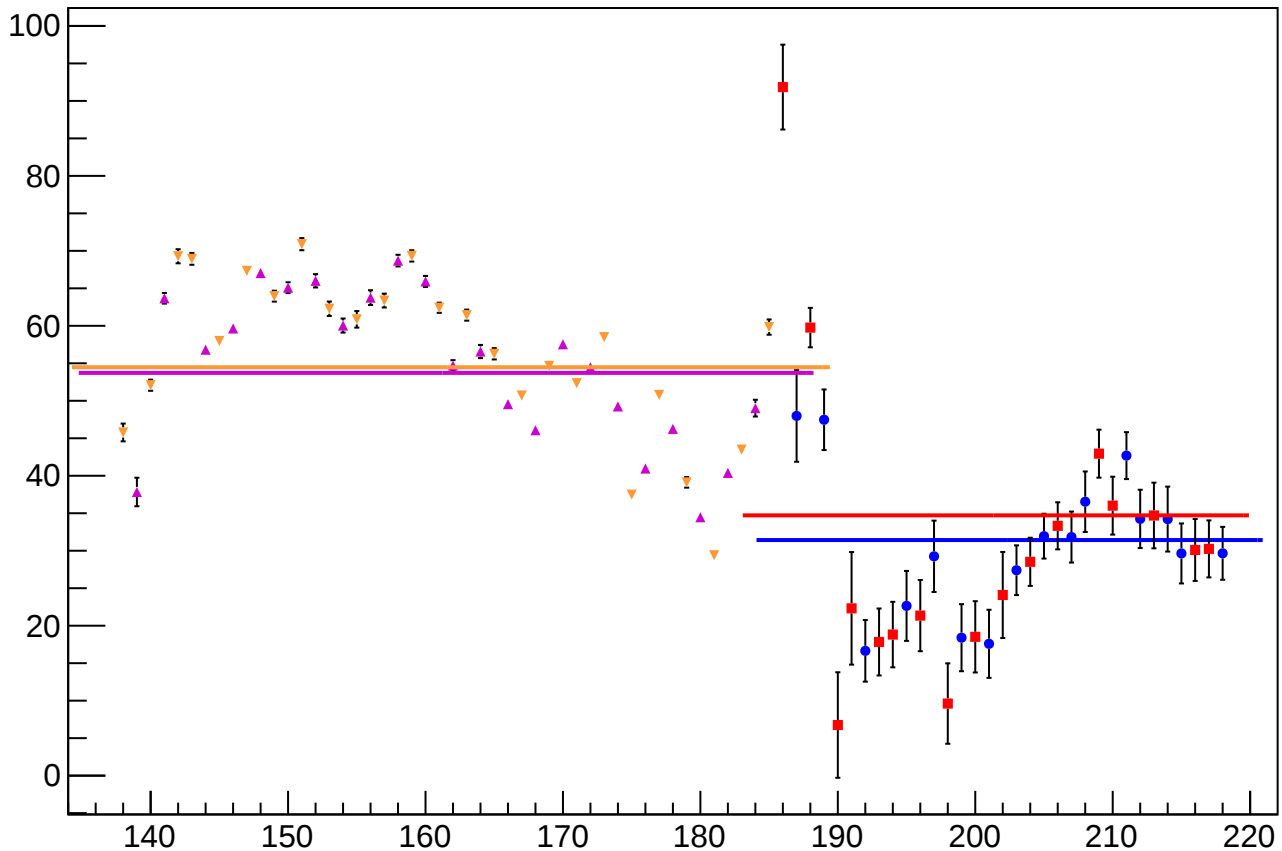
All: 3.593 ± 0.088 χ^2/NDF : 16099.5/80

- sign 3.620 ± 0.126 χ^2/NDF : 7161.7/39

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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: 34.718 $\pm$ 0.994 χ^2 /NDF: 296.7/16

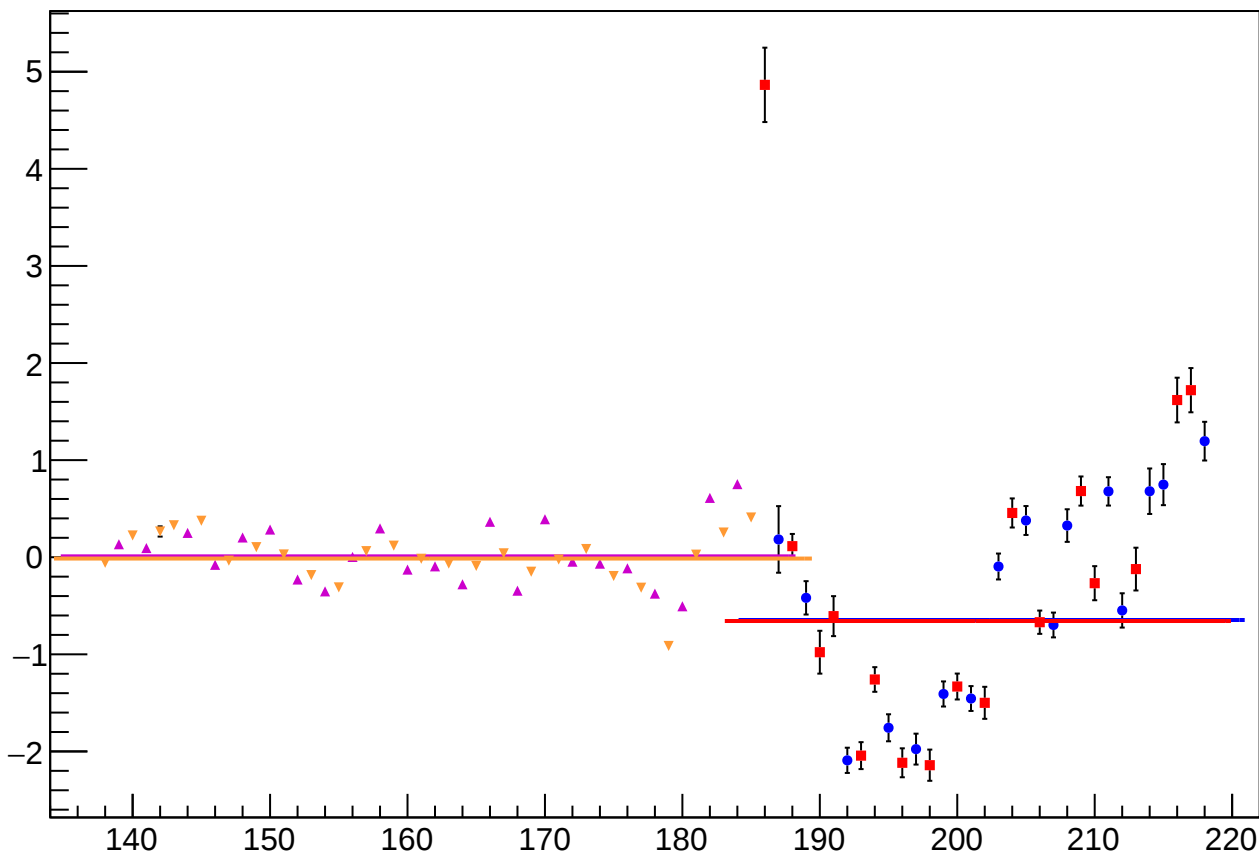
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.009 $\pm$ 0.139 χ^2 /NDF: 6888.9/40

All: 53.680 $\pm$ 0.099 χ^2 /NDF: 12141.1/80

- sign 53.337 $\pm$ 0.142 χ^2 /NDF: 5240.8/39

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: -0.657 ± 0.039 χ^2/NDF : 955.1/16

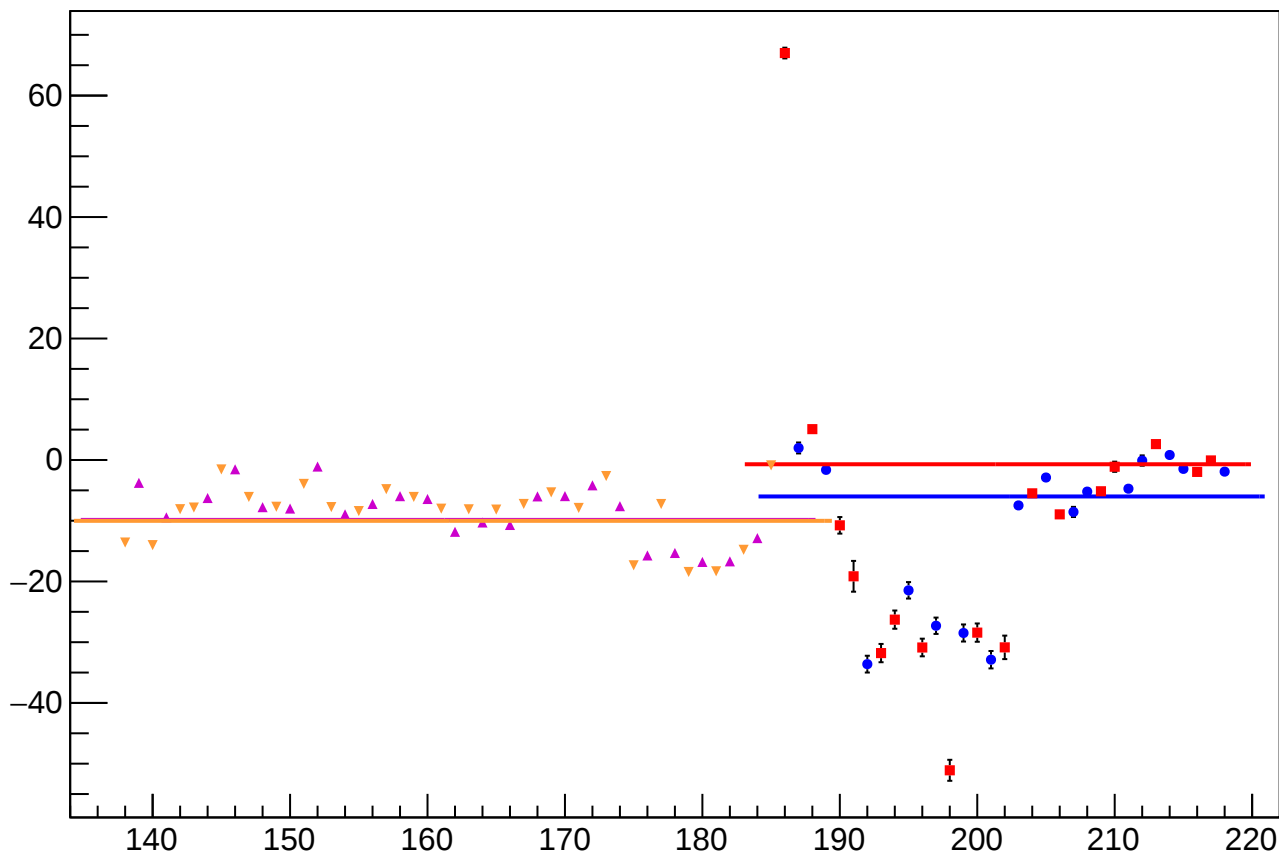
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.030 ± 0.006 χ^2/NDF : 2591.8/40

All: -0.020 ± 0.005 χ^2/NDF : 6055.2/80

- sign -0.009 ± 0.006 χ^2/NDF : 3458.0/39

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: -0.702 ± 0.212 χ^2/NDF : 8936.7/16

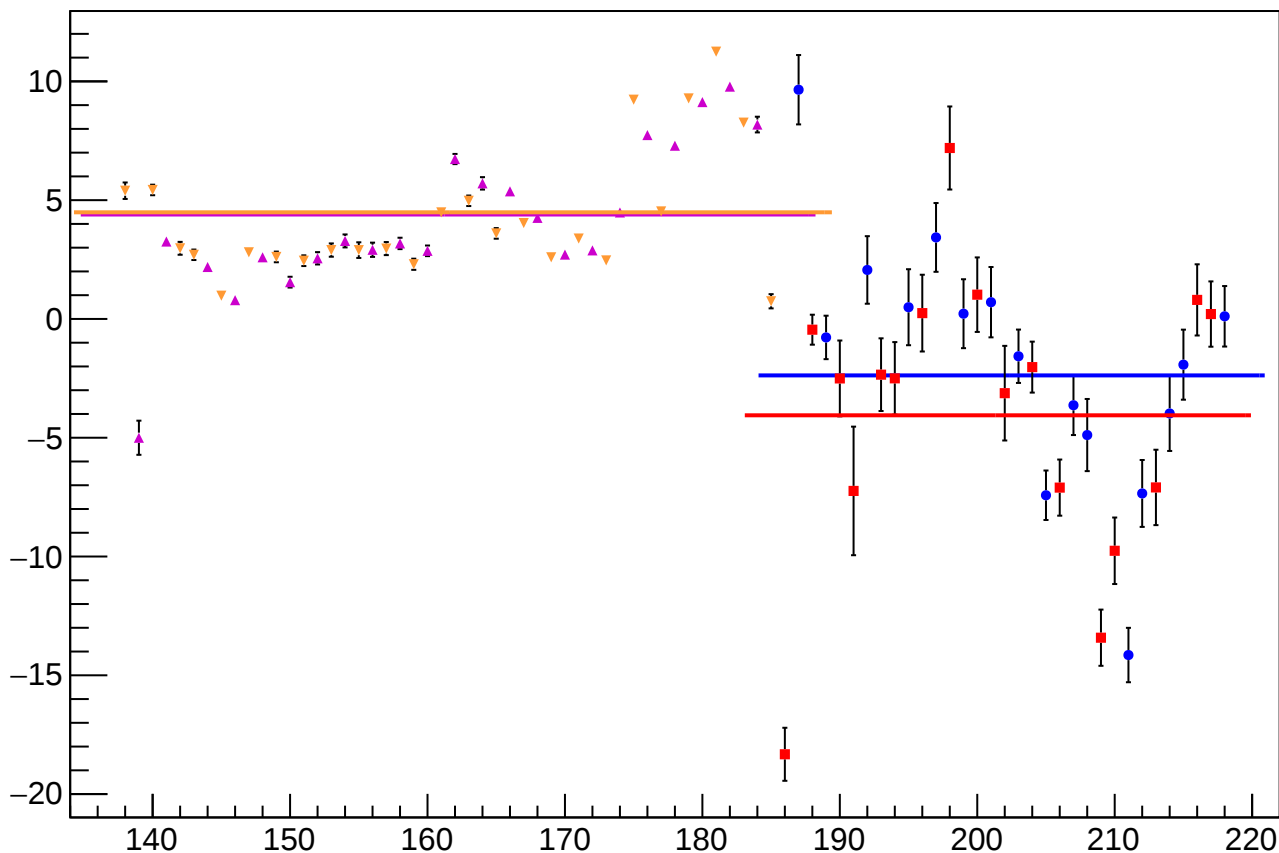
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.801 ± 0.049 χ^2/NDF : 14628.1/40

All: -9.581 ± 0.035 χ^2/NDF : 34721.7/80

- sign -9.355 ± 0.050 χ^2/NDF : 20053.2/39

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: -4.056 ± 0.312 χ^2/NDF : 373.1/16

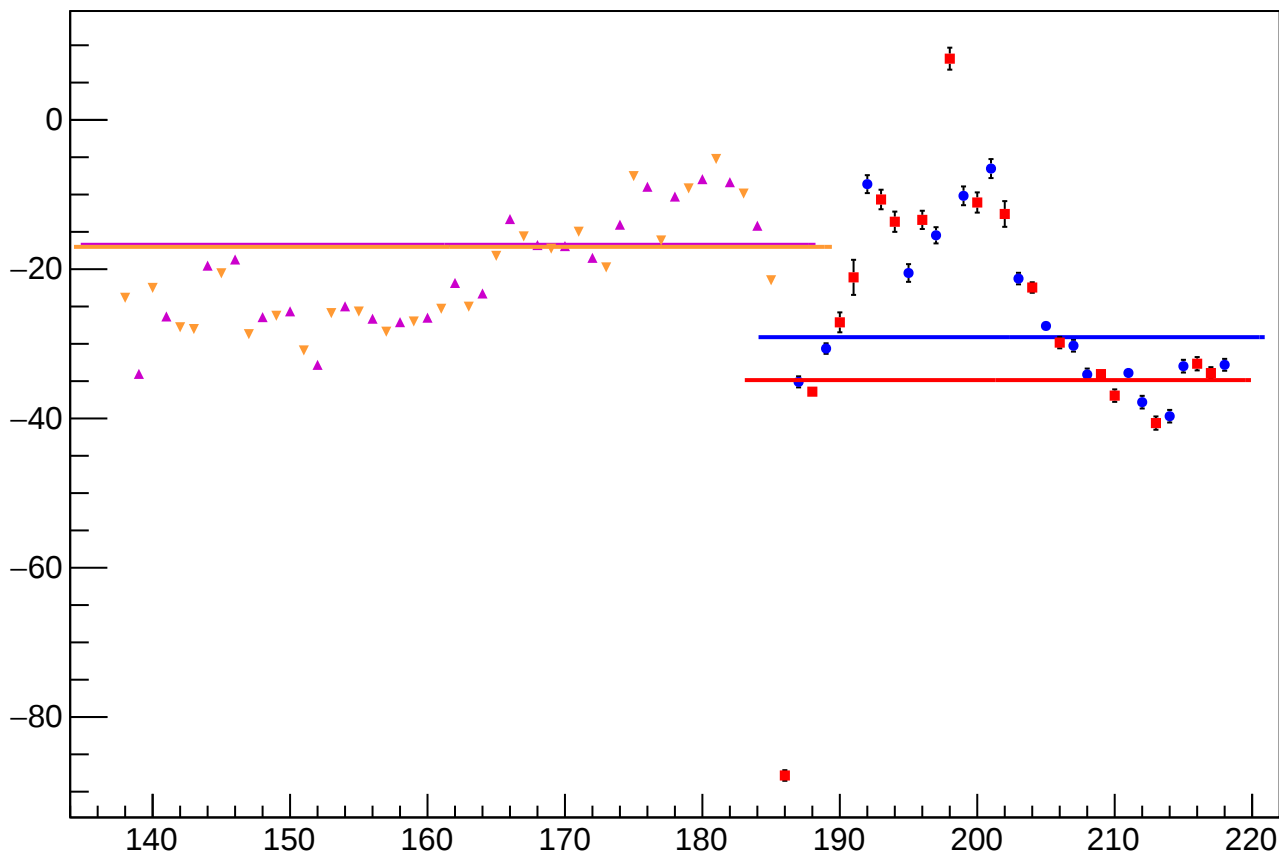
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.383 ± 0.040 χ^2/NDF : 5530.8/40

All: 4.318 ± 0.029 χ^2/NDF : 10859.5/80

- sign 4.251 ± 0.041 χ^2/NDF : 5323.4/39

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -29.107 ± 0.209 χ^2/NDF : 1628.3/15

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -34.860 ± 0.199 χ^2/NDF : 8275.1/16

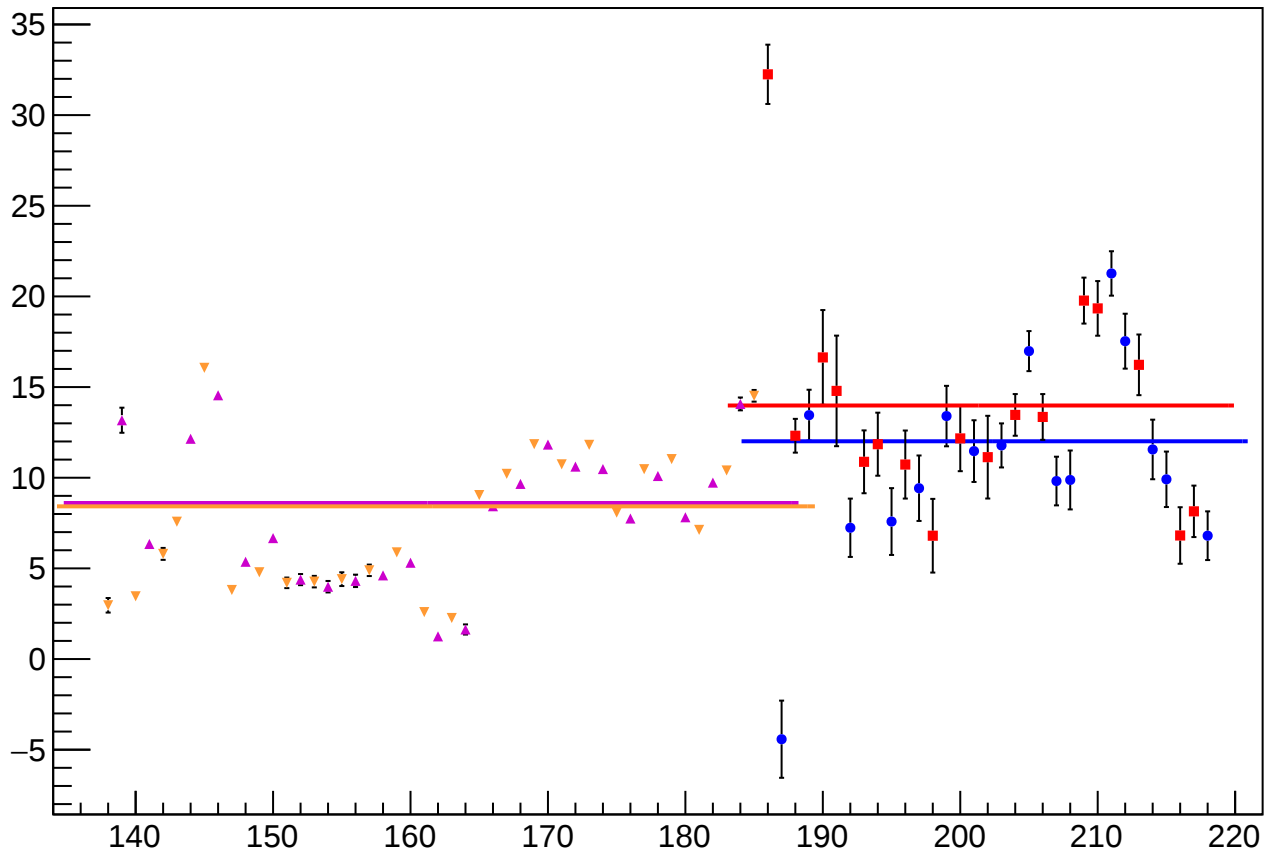
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.687 ± 0.050 χ^2/NDF : 26872.1/40

All: -17.780 ± 0.035 χ^2/NDF : 61724.4/80

- sign -17.873 ± 0.050 χ^2/NDF : 34845.3/39

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 12.011+/-0.370 χ^2/NDF : 190.2/15

Left Out: 8.422+/-0.046 χ^2/NDF : 6470.1/24

Right Out: 13.984+/-0.373 χ^2/NDF : 225.7/16

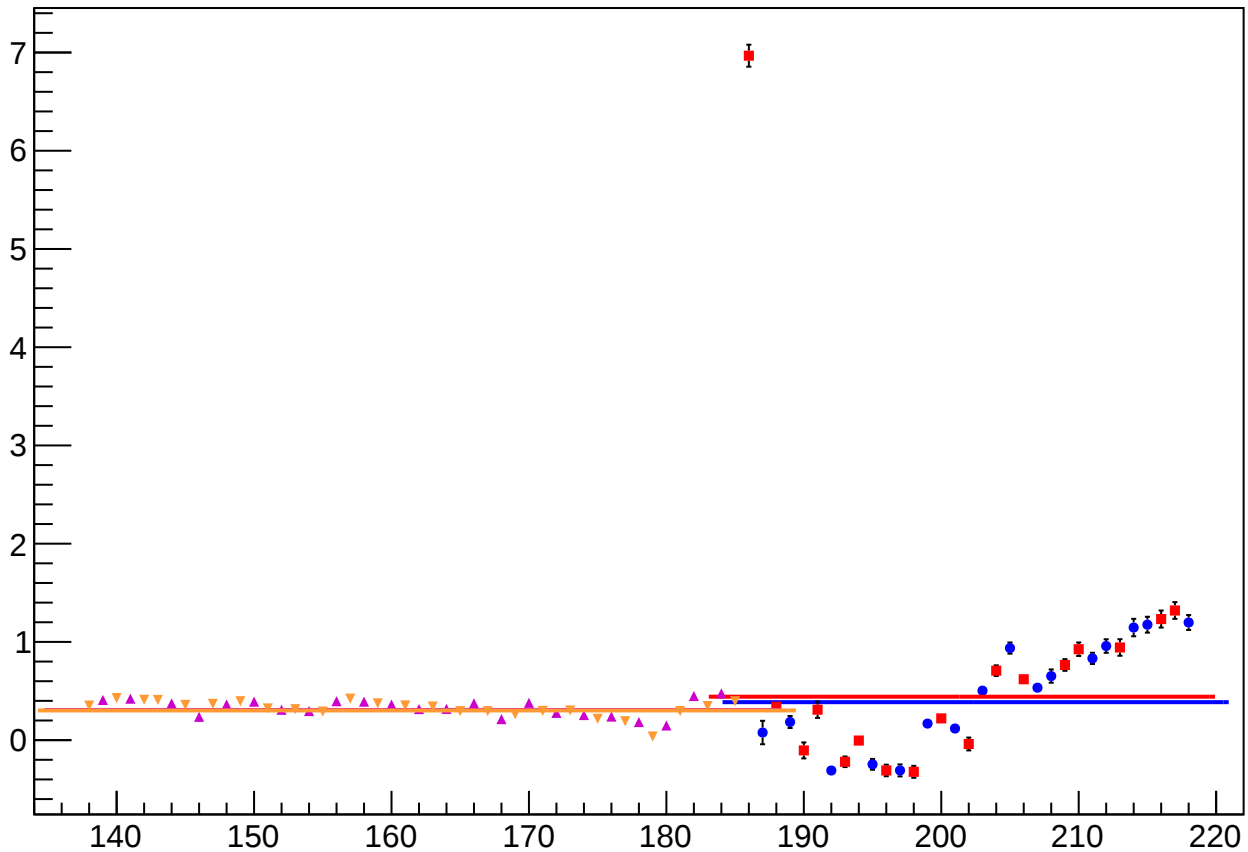
Left In: 8.606+/-0.046 χ^2/NDF : 5504.2/22

+ sign 8.476+/-0.045 χ^2/NDF : 6753.0/40

All: 8.580+/-0.032 χ^2/NDF : 12698.3/80

- sign 8.688+/-0.046 χ^2/NDF : 5934.4/39

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: 0.442 ± 0.015 χ^2/NDF : 4400.1/16

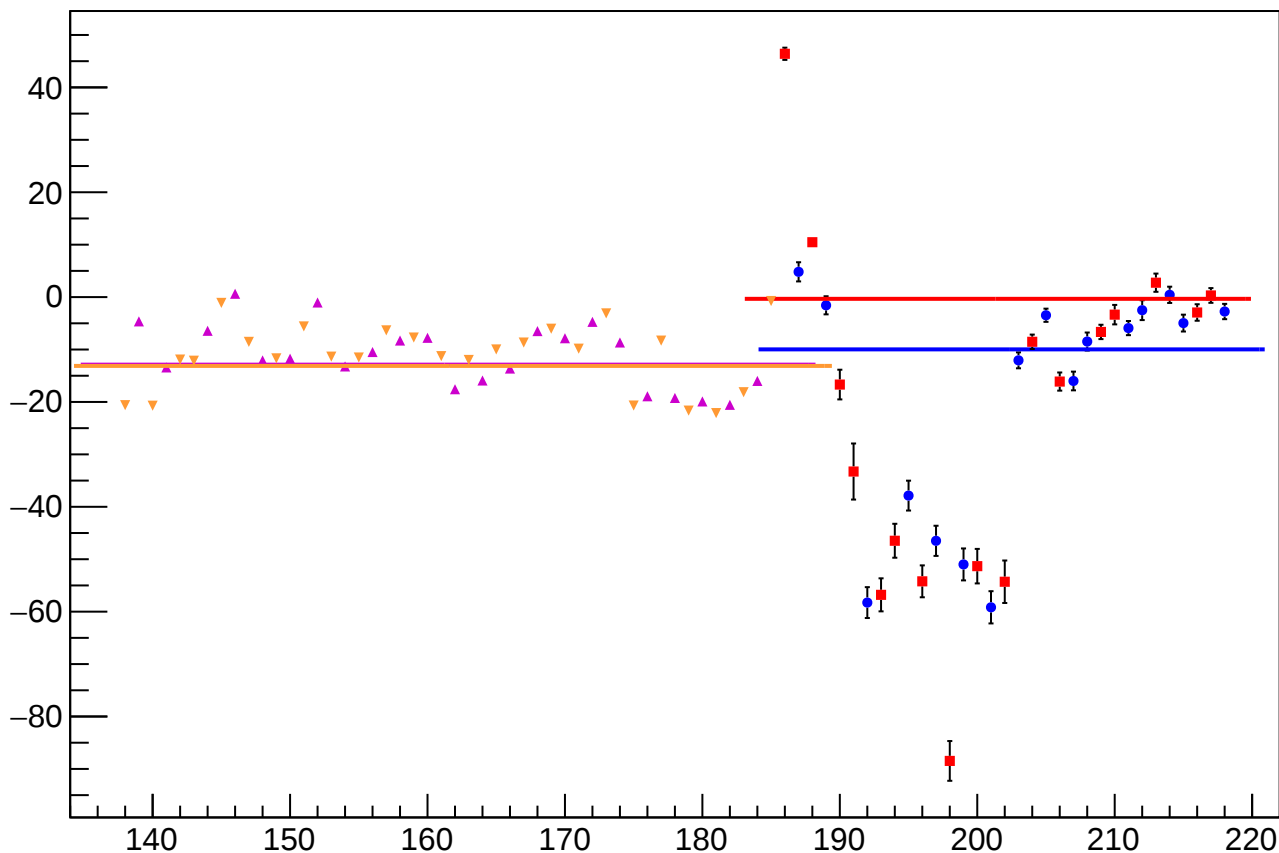
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.304 ± 0.002 χ^2/NDF : 2676.5/40

All: 0.307 ± 0.001 χ^2/NDF : 8860.0/80

- sign 0.310 ± 0.002 χ^2/NDF : 6179.7/39

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -9.973 ± 0.446 χ^2/NDF : 1197.4/15

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: -0.330 ± 0.426 χ^2/NDF : 3755.4/16

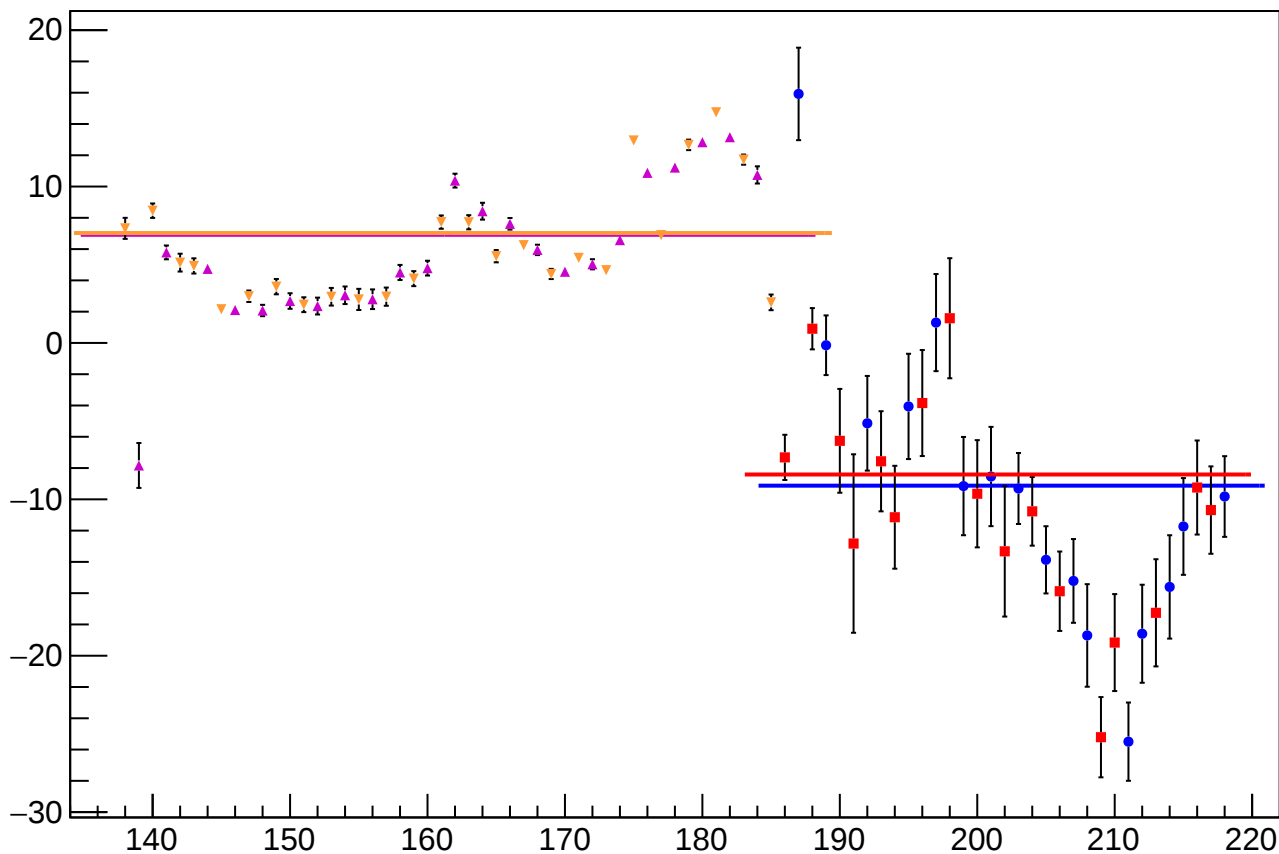
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -12.992 ± 0.092 χ^2/NDF : 7222.9/40

All: -12.646 ± 0.065 χ^2/NDF : 16609.3/80

- sign -12.290 ± 0.093 χ^2/NDF : 9357.5/39

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: -8.412+/-0.620 χ^2 /NDF: 134.4/16

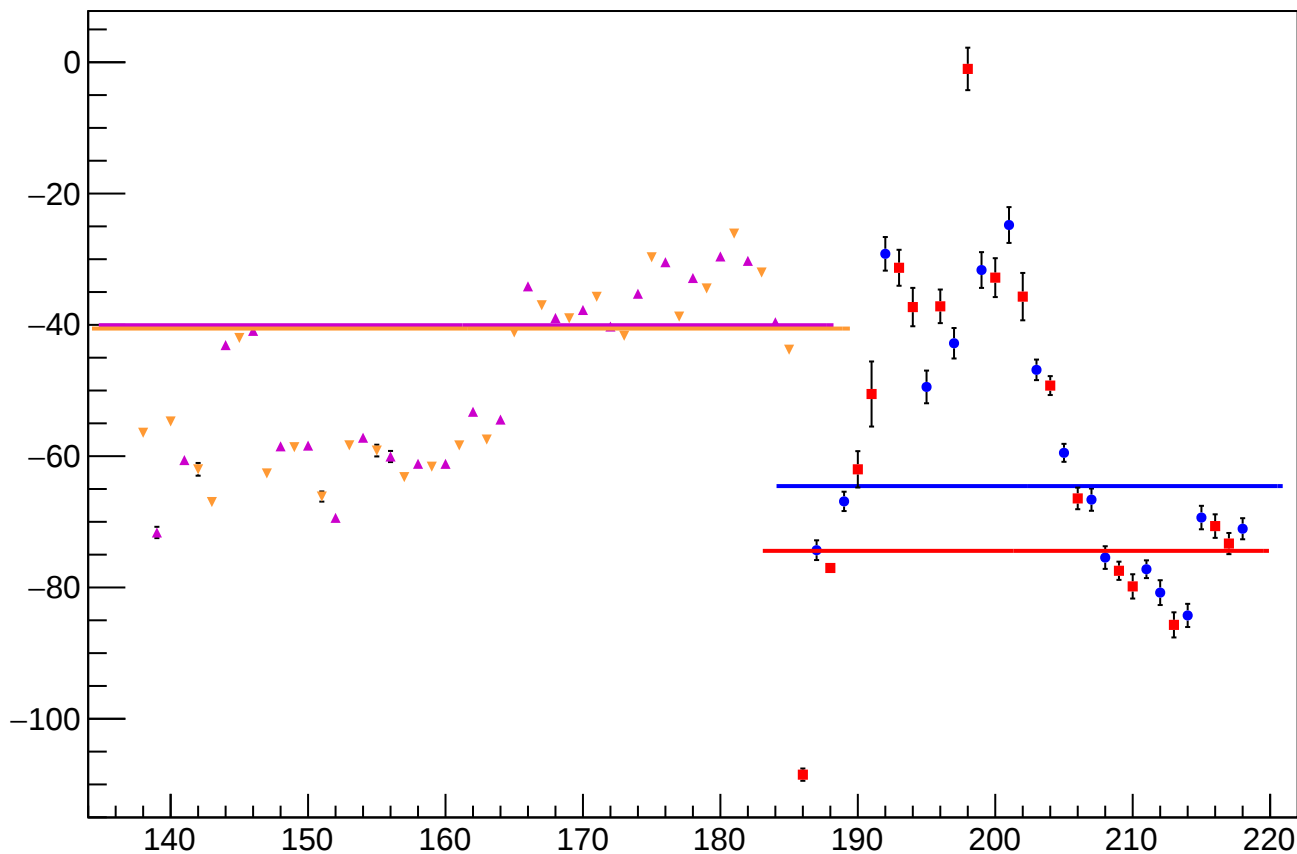
Left In: 6.914+/-0.078 χ^2 /NDF:2428.2/22

+ sign 6.824+/-0.077 χ^2 /NDF: 3401.5/40

All: 6.751+/-0.054 χ^2 /NDF: 6568.3/80

- sign 6.676+/-0.077 χ^2 /NDF: 3165.0/39

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: -74.422 ± 0.395 χ^2/NDF : 3213.1/16

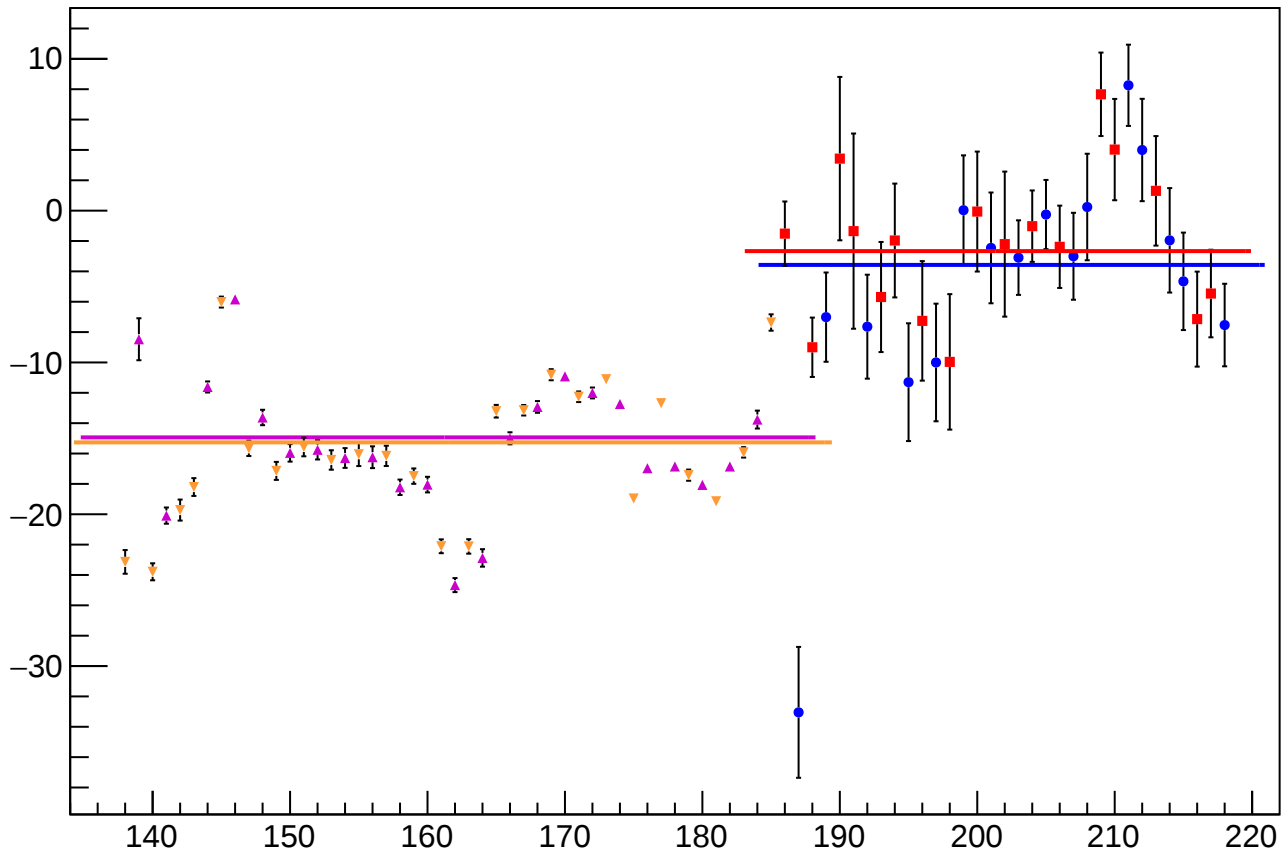
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.622 ± 0.093 χ^2/NDF : 19680.9/40

All: -41.789 ± 0.066 χ^2/NDF : 43976.0/80

- sign -41.956 ± 0.093 χ^2/NDF : 24288.6/39

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: -2.665 ± 0.756 χ^2/NDF : 40.2/16

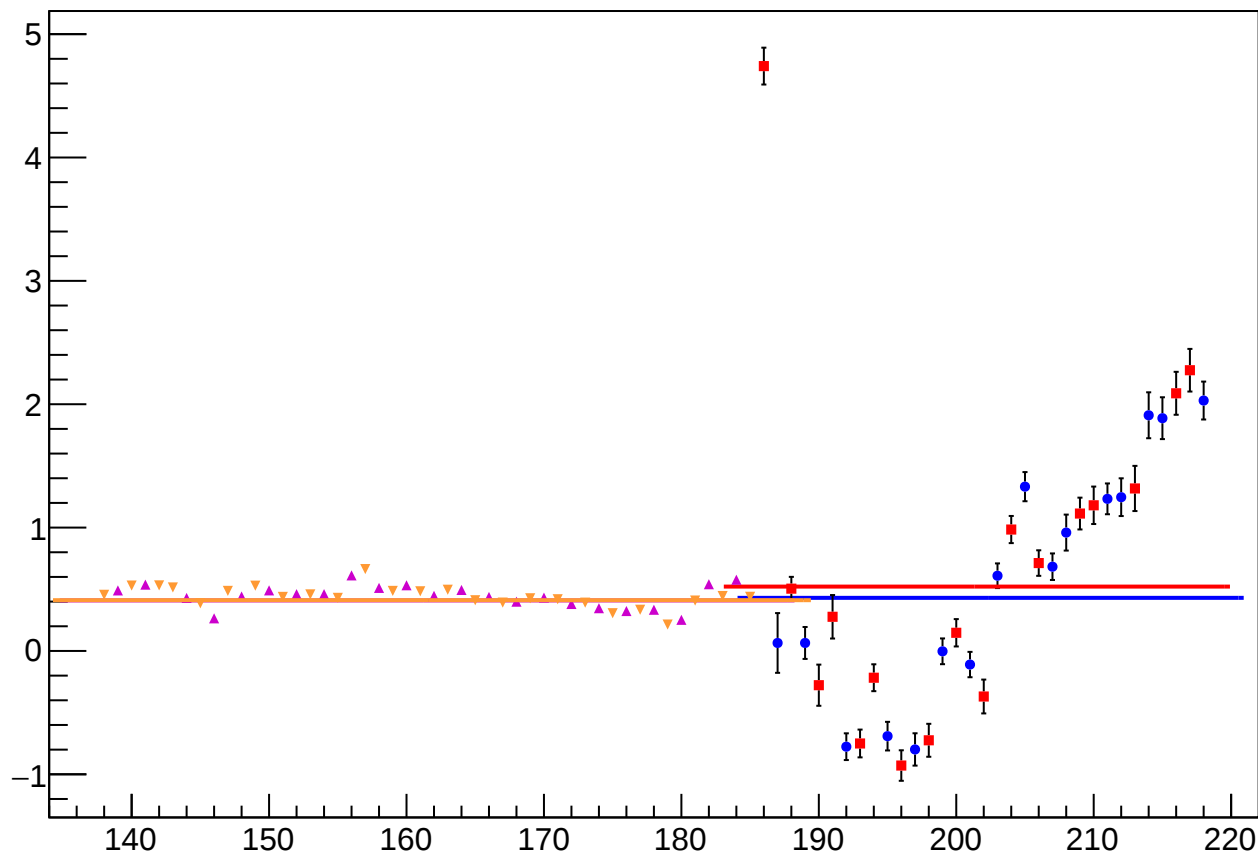
Left In: -14.936 ± 0.087 χ^2/NDF : 2199.7/22

+ sign -15.125 ± 0.085 χ^2/NDF : 2905.5/40

All: -14.953 ± 0.061 χ^2/NDF : 5413.8/80

- sign -14.776 ± 0.086 χ^2/NDF : 2500.1/39

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: 0.522 ± 0.031 χ^2/NDF : 1538.3/16

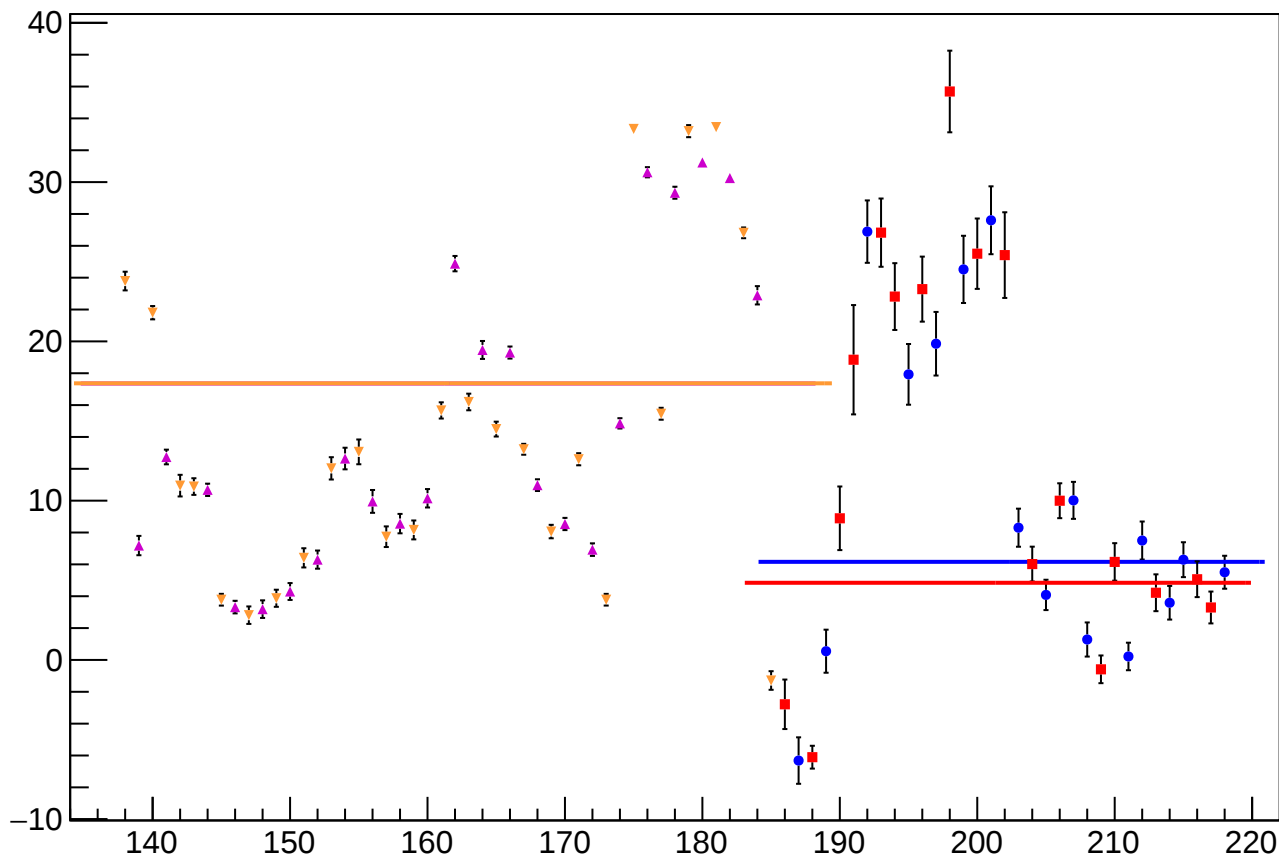
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.412 ± 0.004 χ^2/NDF : 1184.8/40

All: 0.411 ± 0.003 χ^2/NDF : 3293.6/80

- sign 0.411 ± 0.004 χ^2/NDF : 2108.8/39

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 6.159 ± 0.311 χ^2/NDF : 559.1/15

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: 4.844 ± 0.314 χ^2/NDF : 895.6/16

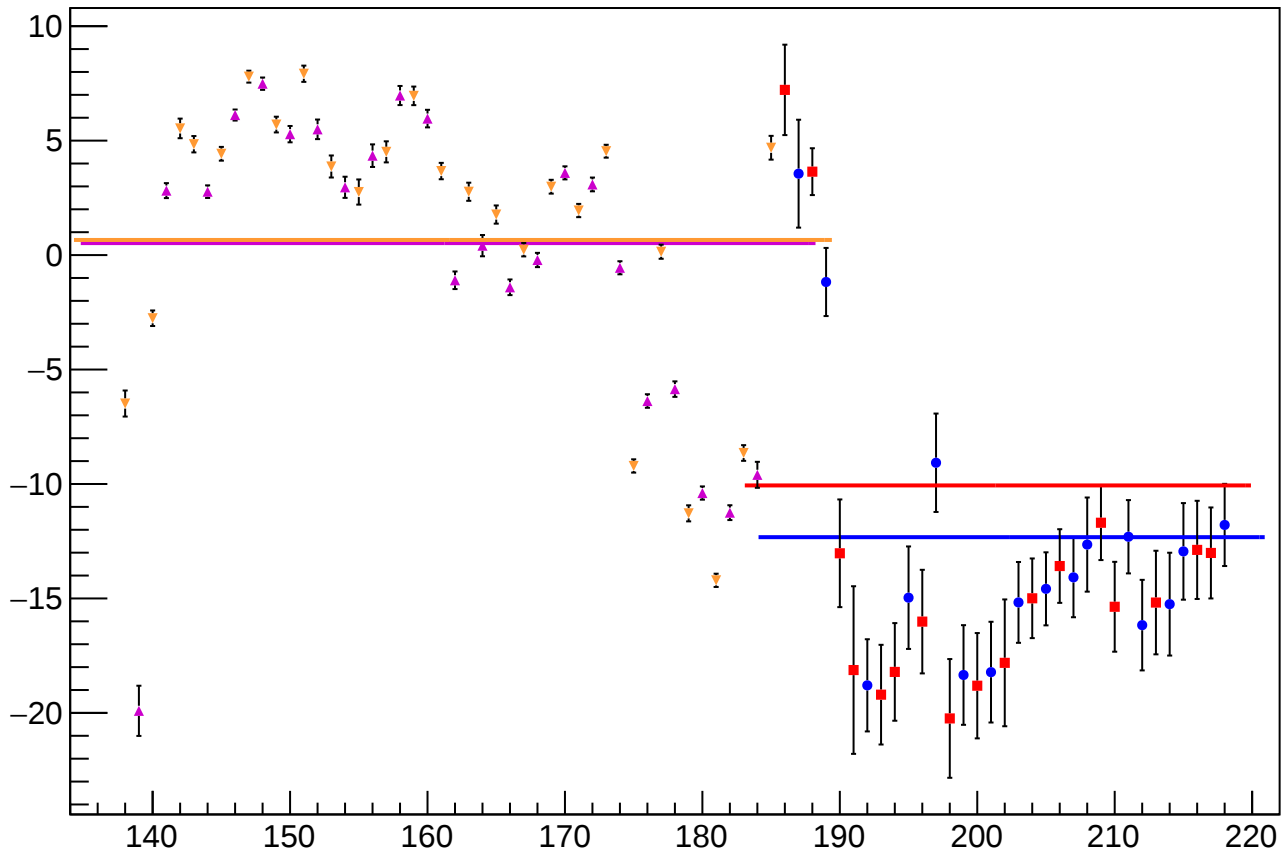
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 16.550 ± 0.084 χ^2/NDF : 18104.2/40

All: 16.490 ± 0.060 χ^2/NDF : 33214.4/80

- sign 16.428 ± 0.086 χ^2/NDF : 15109.1/39

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: -10.063 ± 0.467 χ^2/NDF : 369.5/16

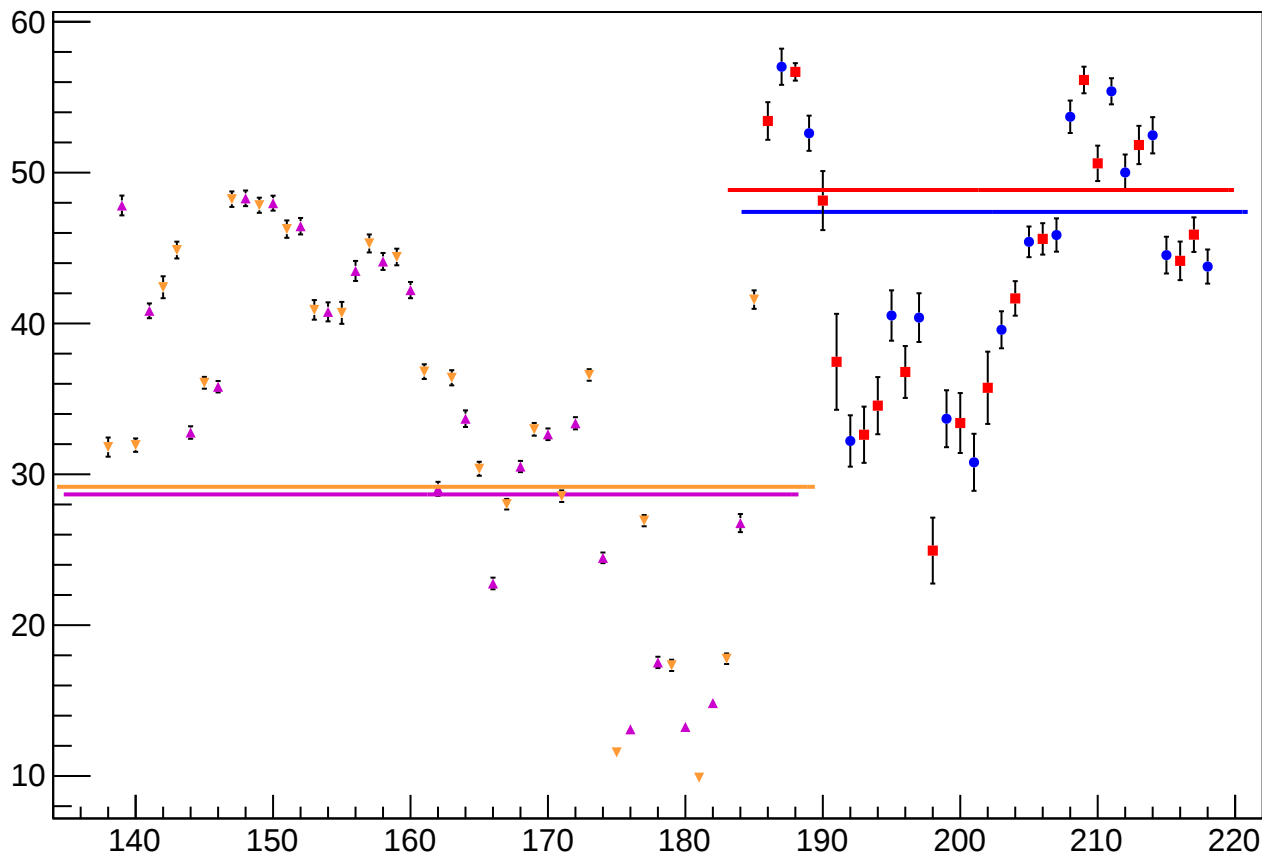
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.393 ± 0.069 χ^2/NDF : 9417.0/40

All: 0.341 ± 0.049 χ^2/NDF : 17019.2/80

- sign 0.286 ± 0.070 χ^2/NDF : 7601.0/39

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.396 $\pm$ 0.307 χ^2 /NDF: 533.9/15

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 48.849 $\pm$ 0.298 χ^2 /NDF: 747.2/16

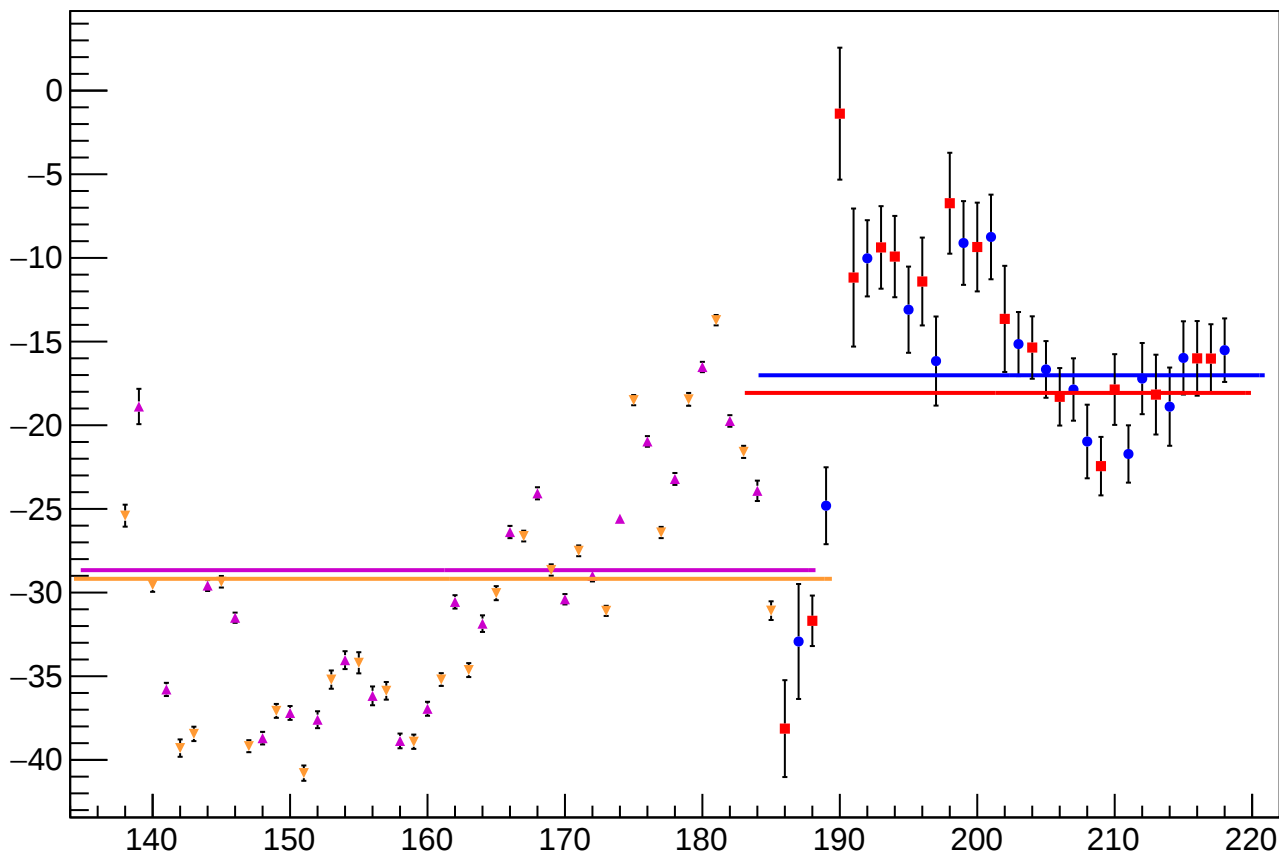
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 30.544 $\pm$ 0.084 χ^2 /NDF: 22756.9/40

All: 30.433 $\pm$ 0.060 χ^2 /NDF: 44552.5/80

- sign 30.319 $\pm$ 0.085 χ^2 /NDF: 21792.1/39

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -17.013 ± 0.541 χ^2/NDF : 78.9/15

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -18.068 ± 0.550 χ^2/NDF : 217.4/16

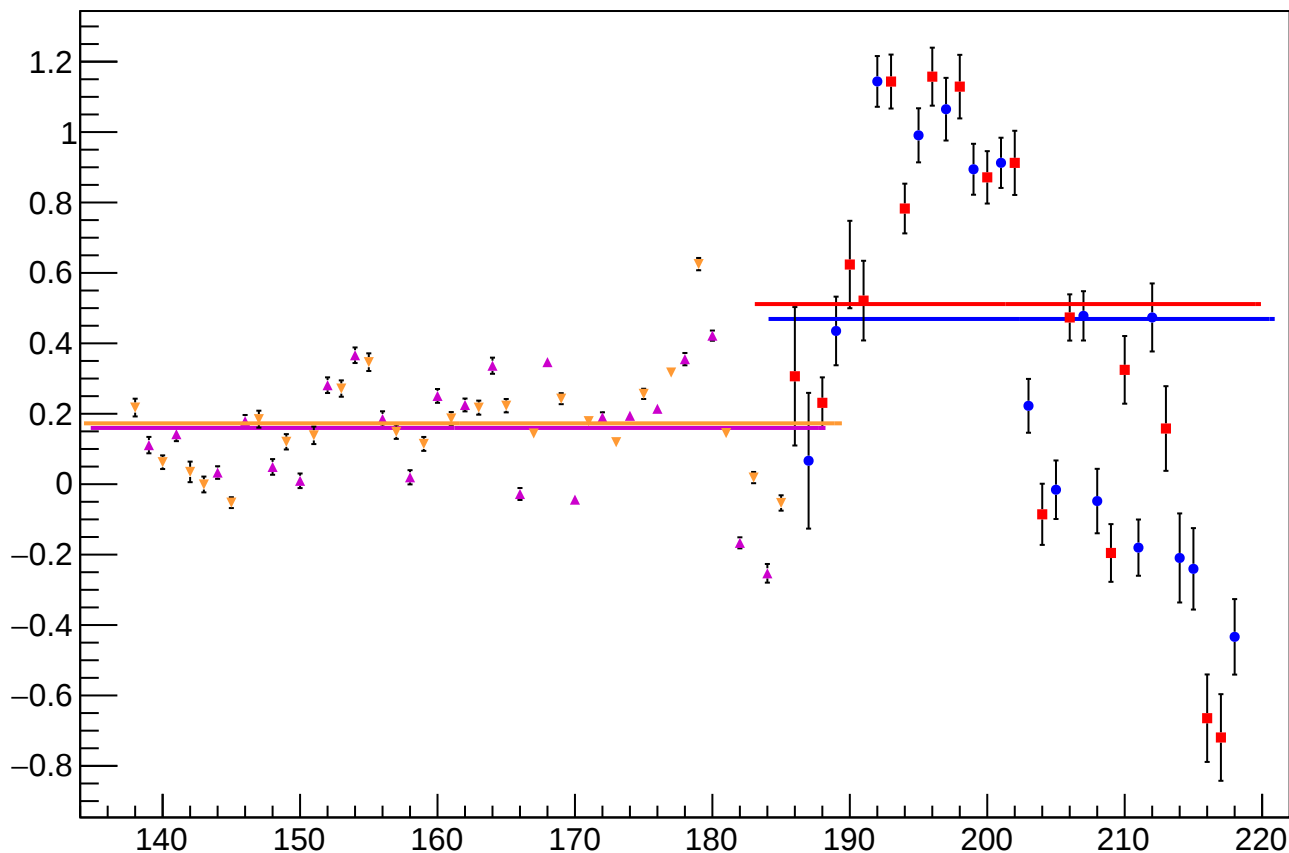
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -28.929 ± 0.077 χ^2/NDF : 9656.2/40

All: -28.690 ± 0.055 χ^2/NDF : 16926.1/80

- sign -28.442 ± 0.079 χ^2/NDF : 7250.5/39

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.469 ± 0.022 $\chi^2/\text{NDF}: 536.1/15$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.512 ± 0.022 $\chi^2/\text{NDF}: 574.9/16$

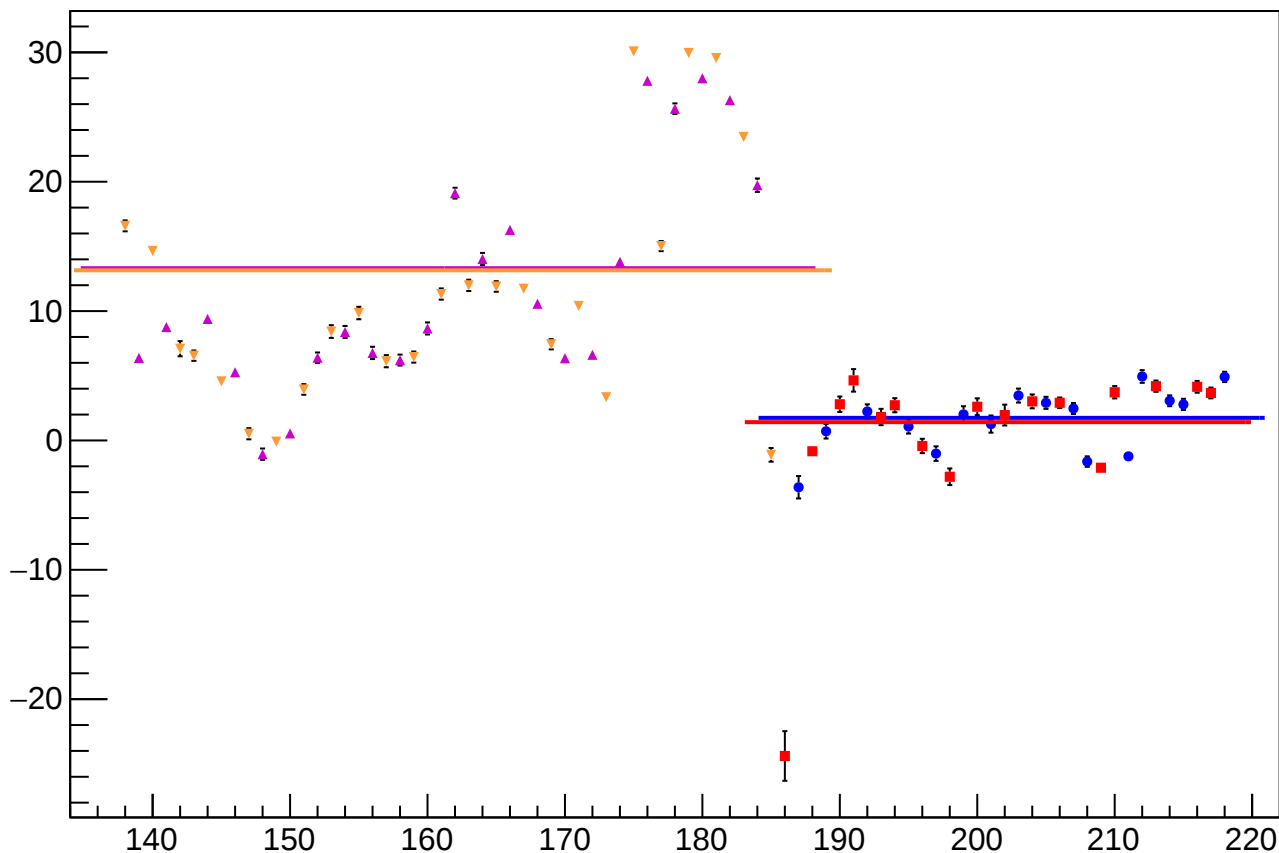
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.181 ± 0.004 $\chi^2/\text{NDF}: 2197.2/40$

All: 0.175 ± 0.003 $\chi^2/\text{NDF}: 5090.8/80$

- sign 0.169 ± 0.004 $\chi^2/\text{NDF}: 2888.5/39$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.747 $\pm$ 0.122 χ^2 /NDF: 338.1/15

Left Out: 13.153 $\pm$ 0.075 χ^2 /NDF:17079.7/24

Right Out: 1.415 $\pm$ 0.119 χ^2 /NDF: 588.2/16

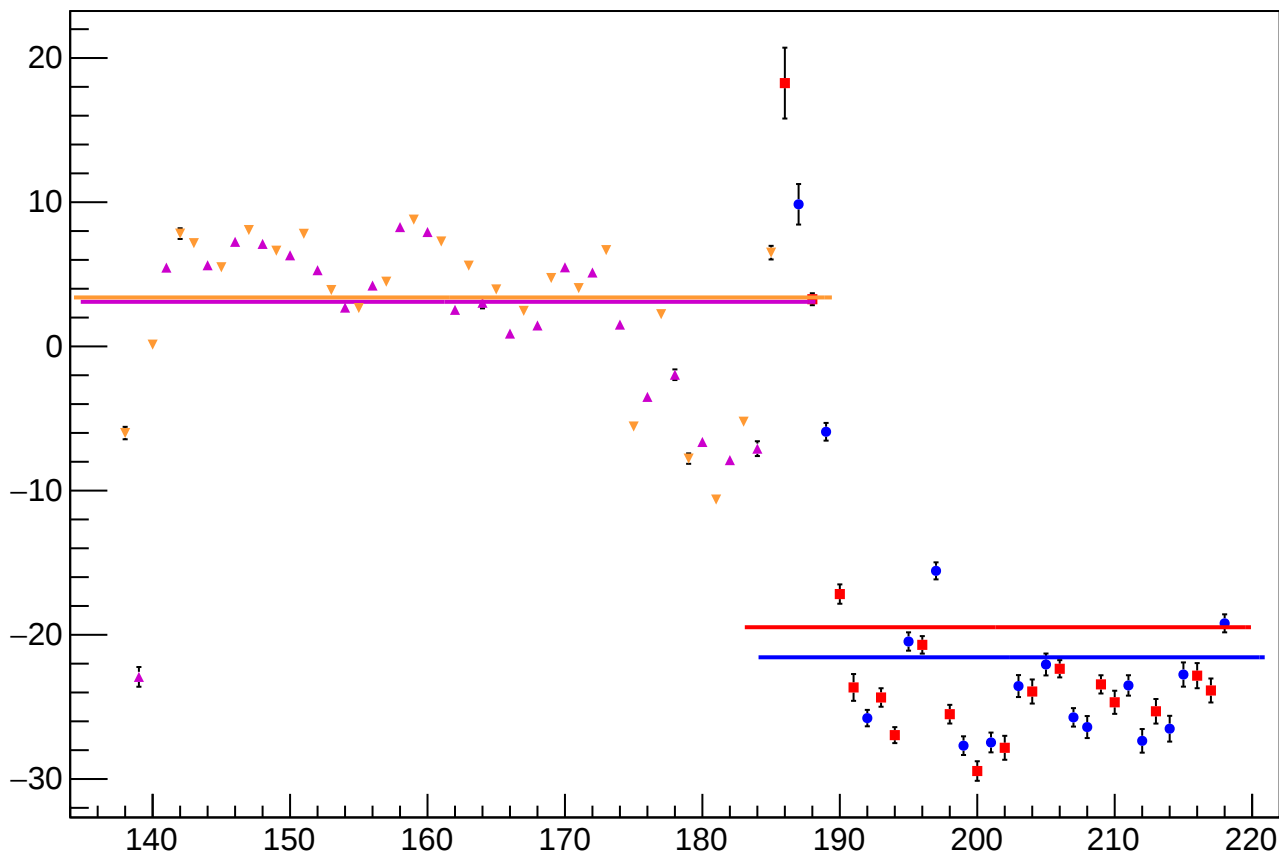
Left In: 13.315 $\pm$ 0.077 χ^2 /NDF:13977.7/22

+ sign 10.027 $\pm$ 0.064 χ^2 /NDF: 23719.0/40

All: 9.910 $\pm$ 0.046 χ^2 /NDF: 45348.1/80

- sign 9.790 $\pm$ 0.065 χ^2 /NDF: 21622.3/39

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -21.560 ± 0.176 χ^2/NDF : 1667.1/15

Left Out: 3.396 ± 0.058 χ^2/NDF : 8101.5/24

Right Out: -19.474 ± 0.166 χ^2/NDF : 4151.7/16

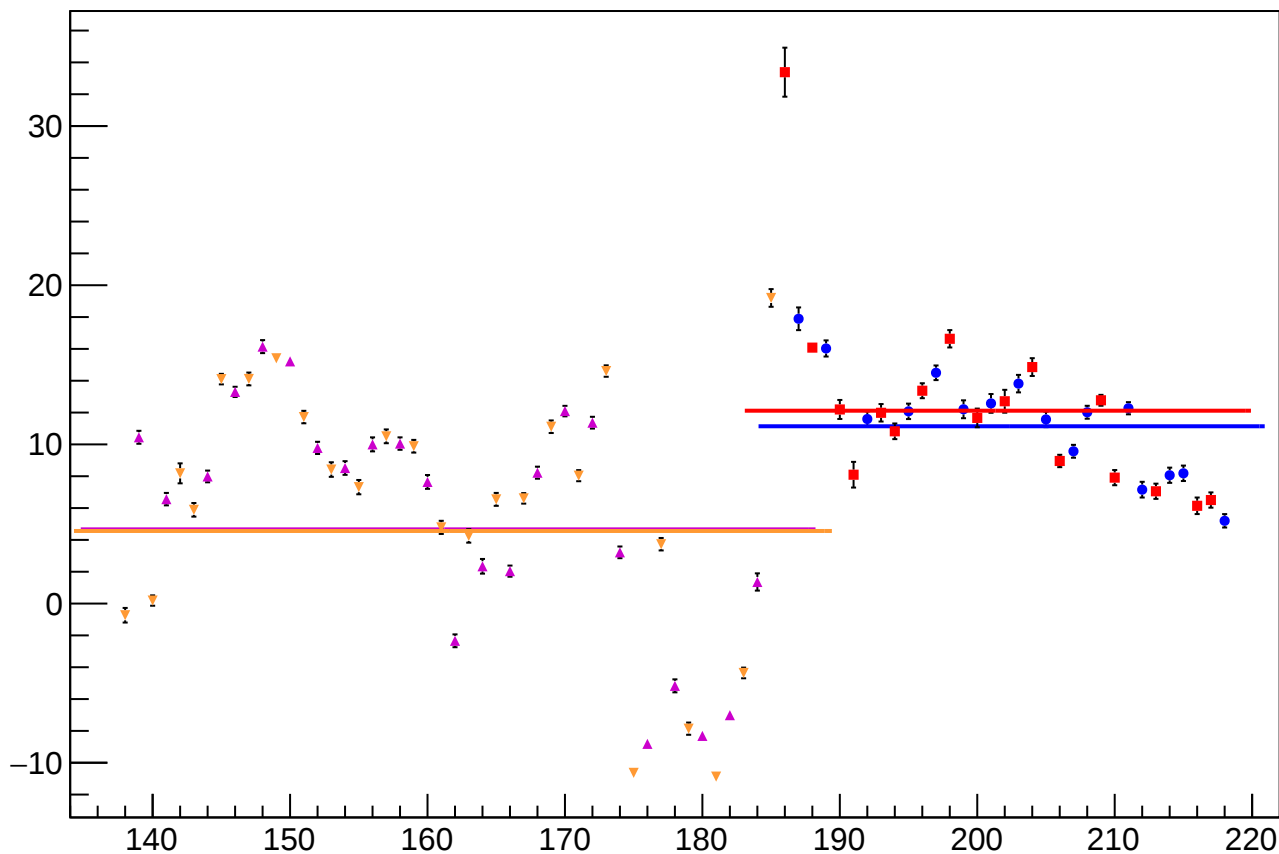
Left In: 3.092 ± 0.061 χ^2/NDF : 7104.4/22

+ sign 0.913 ± 0.055 χ^2/NDF : 27950.5/40

All: 0.686 ± 0.040 χ^2/NDF : 55517.8/80

- sign 0.446 ± 0.057 χ^2/NDF : 27532.7/39

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: 12.117 $\pm$ 0.112 χ^2 /NDF: 1152.6/16

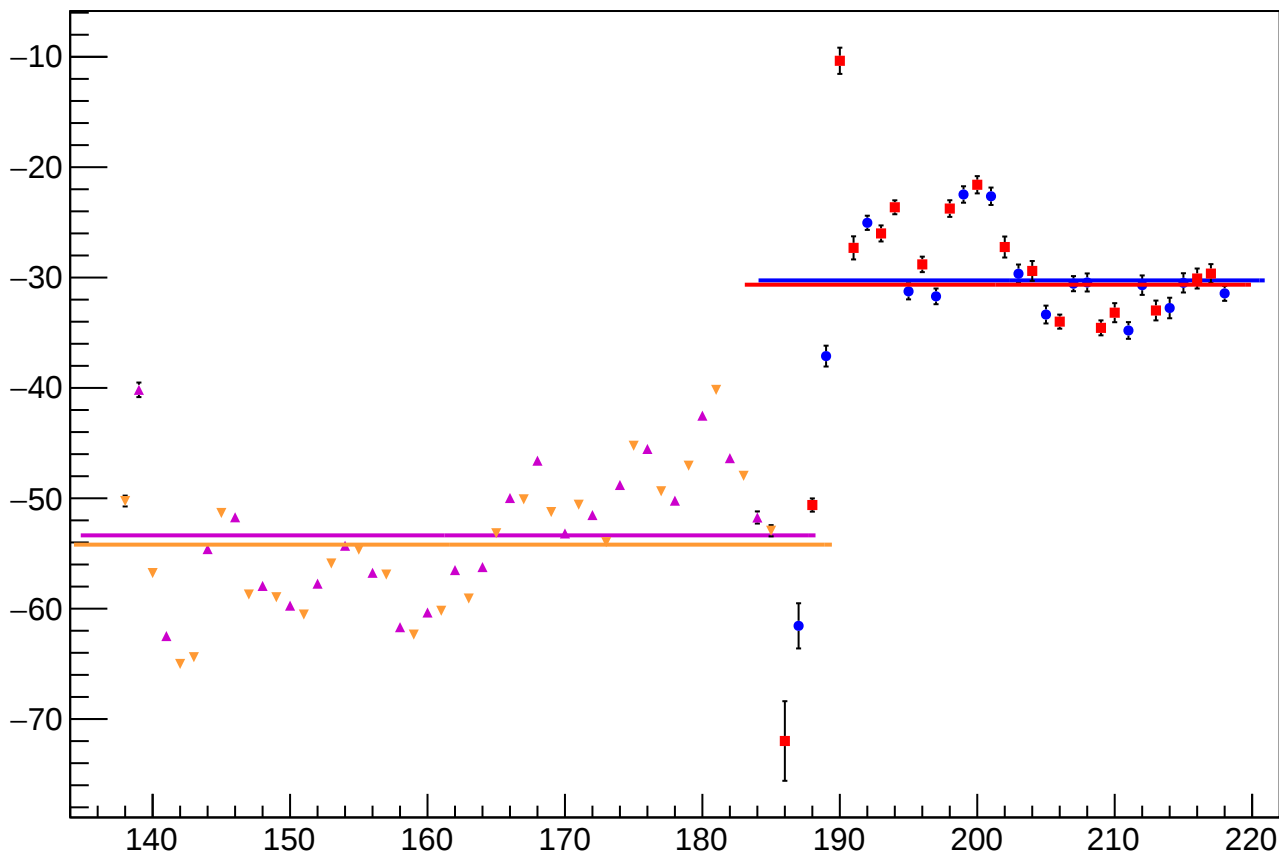
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 6.434 $\pm$ 0.064 χ^2 /NDF: 16405.3/40

All: 6.738 $\pm$ 0.045 χ^2 /NDF: 31886.7/80

- sign 7.038 $\pm$ 0.063 χ^2 /NDF: 15436.2/39

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: -30.647 ± 0.194 χ^2/NDF : 2025.7/16

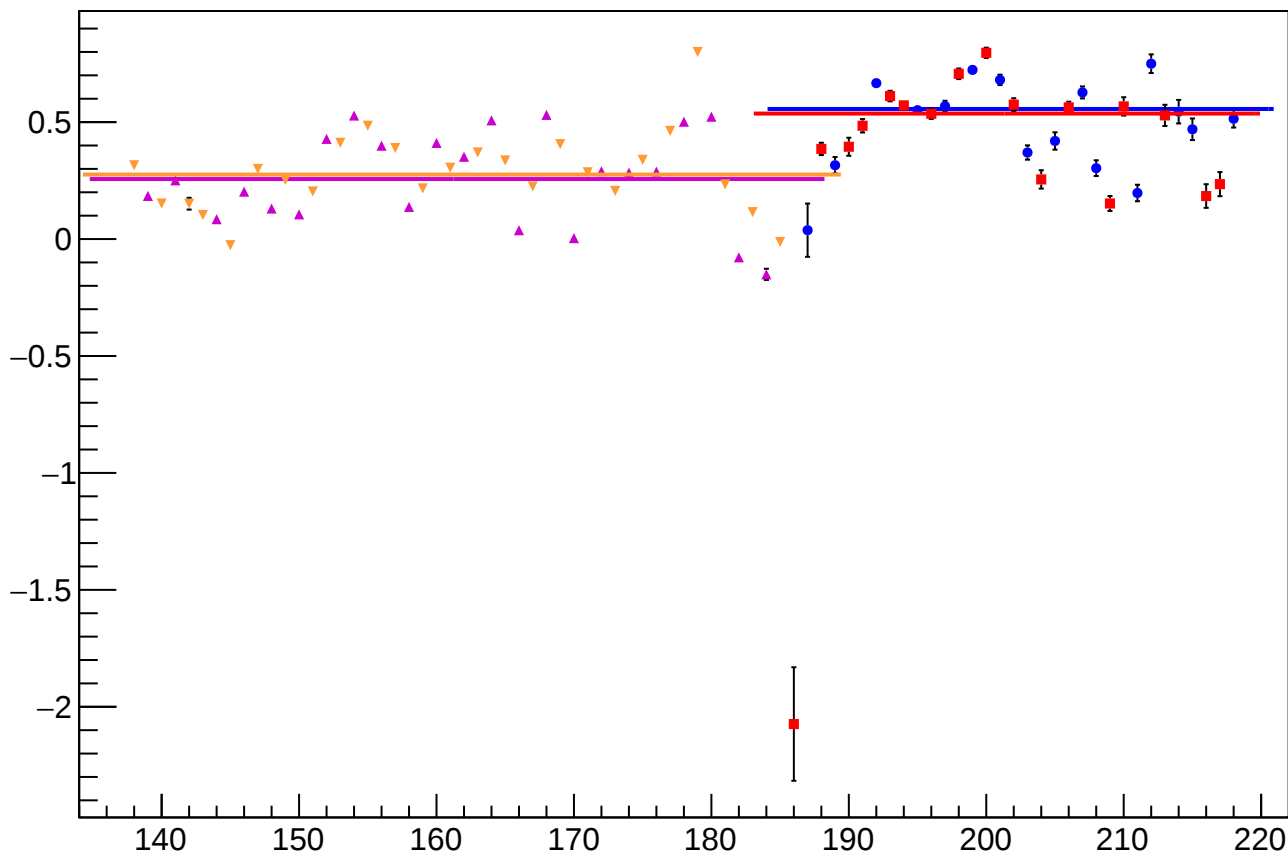
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -51.794 ± 0.063 χ^2/NDF : 22142.1/40

All: -51.335 ± 0.045 χ^2/NDF : 43292.6/80

- sign -50.853 ± 0.065 χ^2/NDF : 21041.8/39

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: 0.537 ± 0.007 χ^2/NDF : 661.1/16

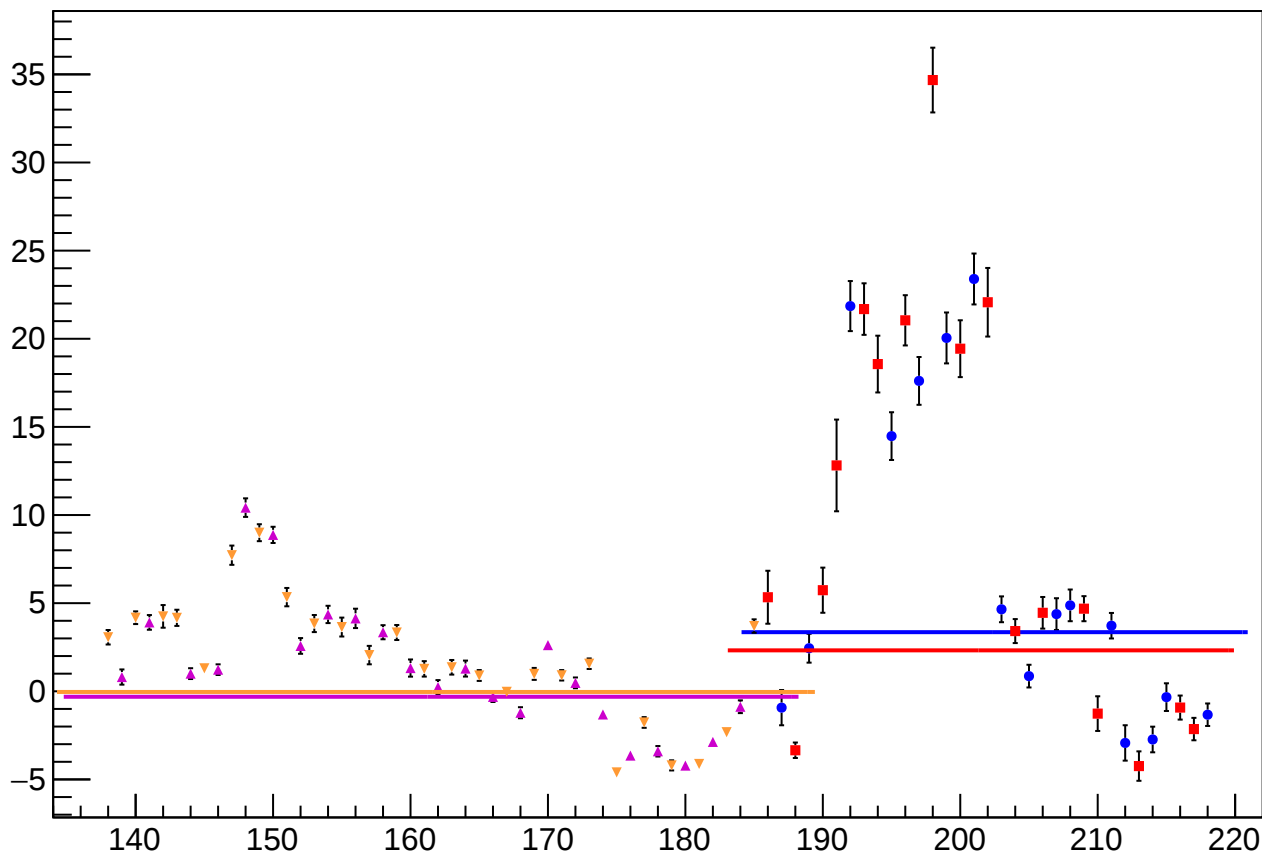
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.318 ± 0.003 χ^2/NDF : 4314.3/40

All: 0.311 ± 0.002 χ^2/NDF : 9976.8/80

- sign 0.304 ± 0.003 χ^2/NDF : 5650.5/39

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: 2.323 ± 0.217 $\chi^2/\text{NDF}: 1336.0/16$

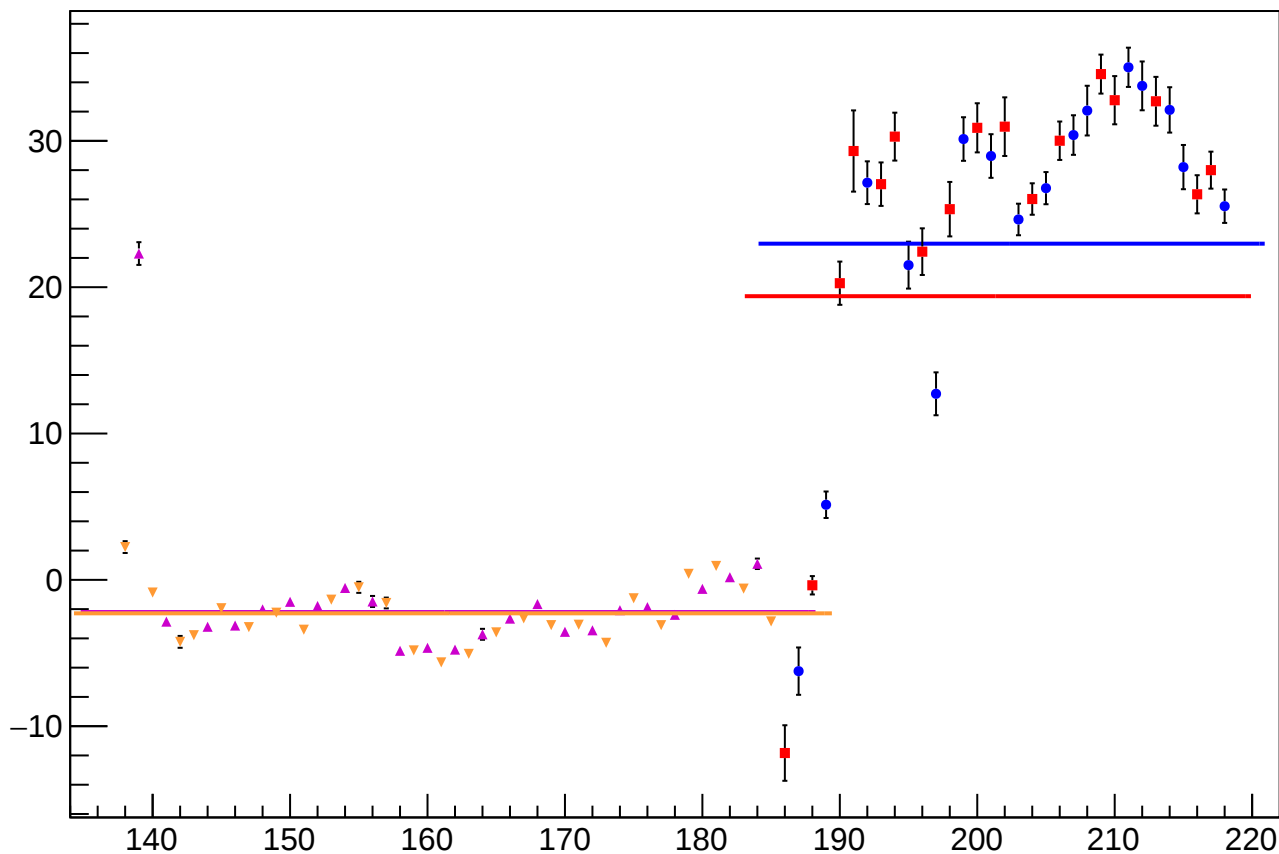
Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.243 ± 0.063 $\chi^2/\text{NDF}: 3756.6/40$

All: 0.084 ± 0.045 $\chi^2/\text{NDF}: 7489.7/80$

- sign -0.080 ± 0.064 $\chi^2/\text{NDF}: 3720.2/39$

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: 19.385 ± 0.325 $\chi^2/\text{NDF}: 1877.4/16$

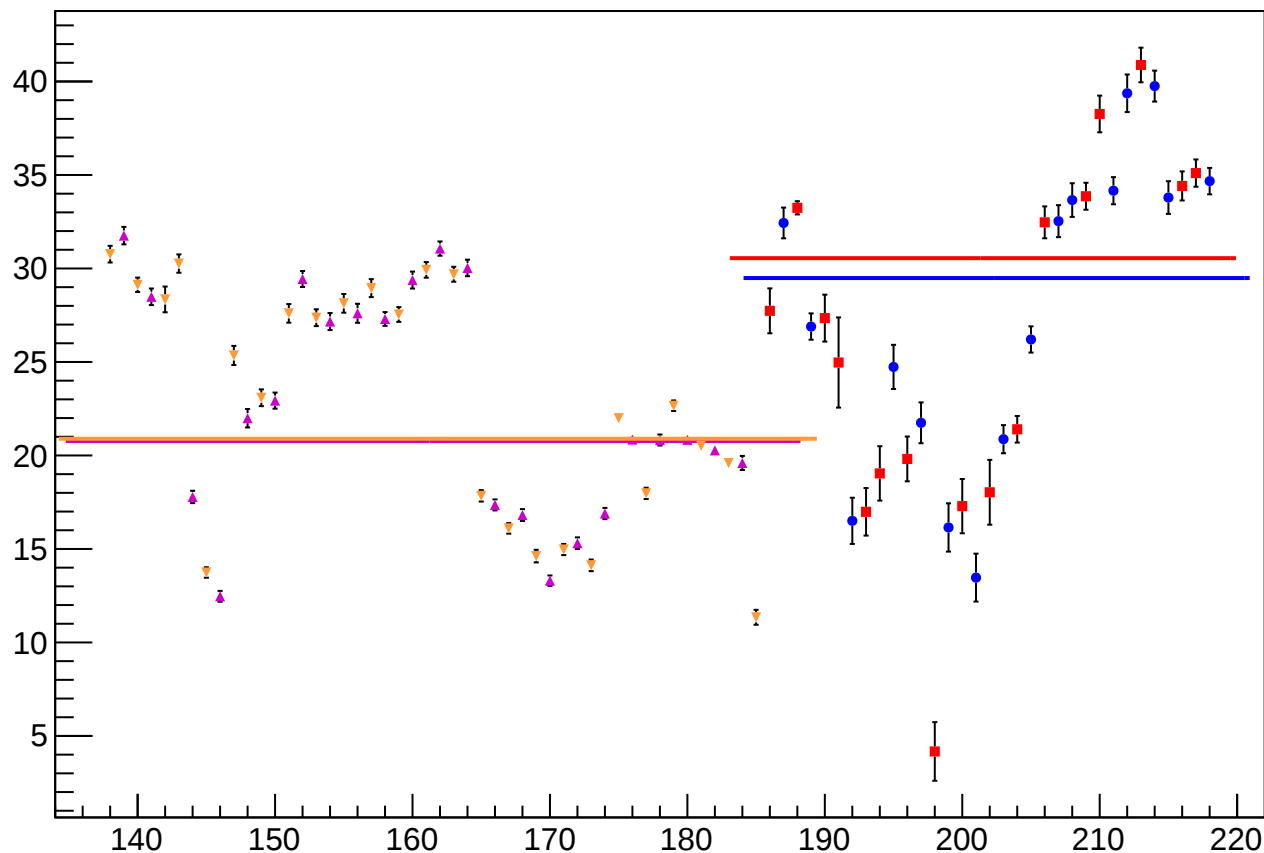
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -1.643 ± 0.053 $\chi^2/\text{NDF}: 7758.3/40$

All: -1.619 ± 0.038 $\chi^2/\text{NDF}: 15596.4/80$

- sign -1.595 ± 0.054 $\chi^2/\text{NDF}: 7837.8/39$

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: 30.551 $\pm$ 0.206 χ^2 /NDF: 1192.3/16

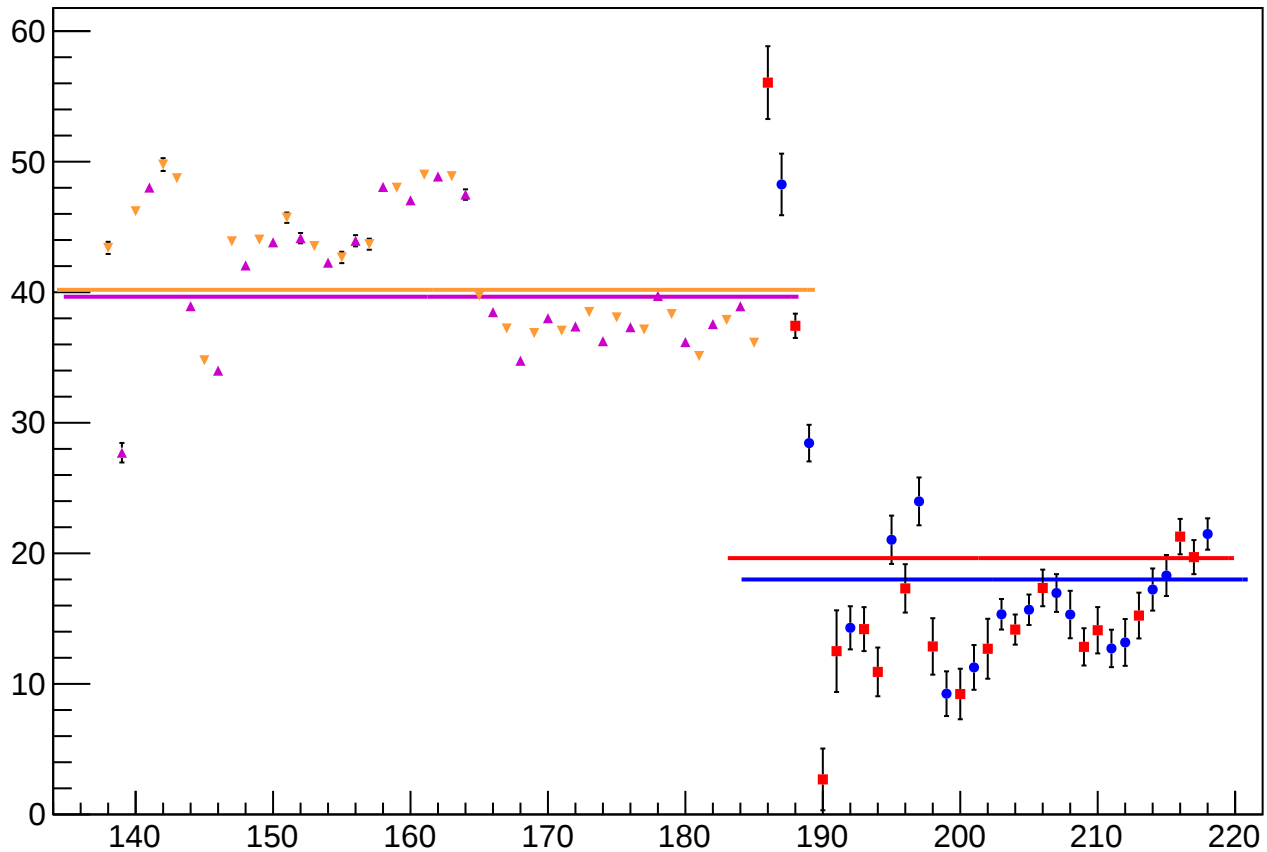
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 21.628 $\pm$ 0.064 χ^2 /NDF: 9095.8/40

All: 21.674 $\pm$ 0.045 χ^2 /NDF: 18246.6/80

- sign 21.721 $\pm$ 0.064 χ^2 /NDF: 9149.8/39

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: 19.634 ± 0.387 χ^2/NDF : 740.2/16

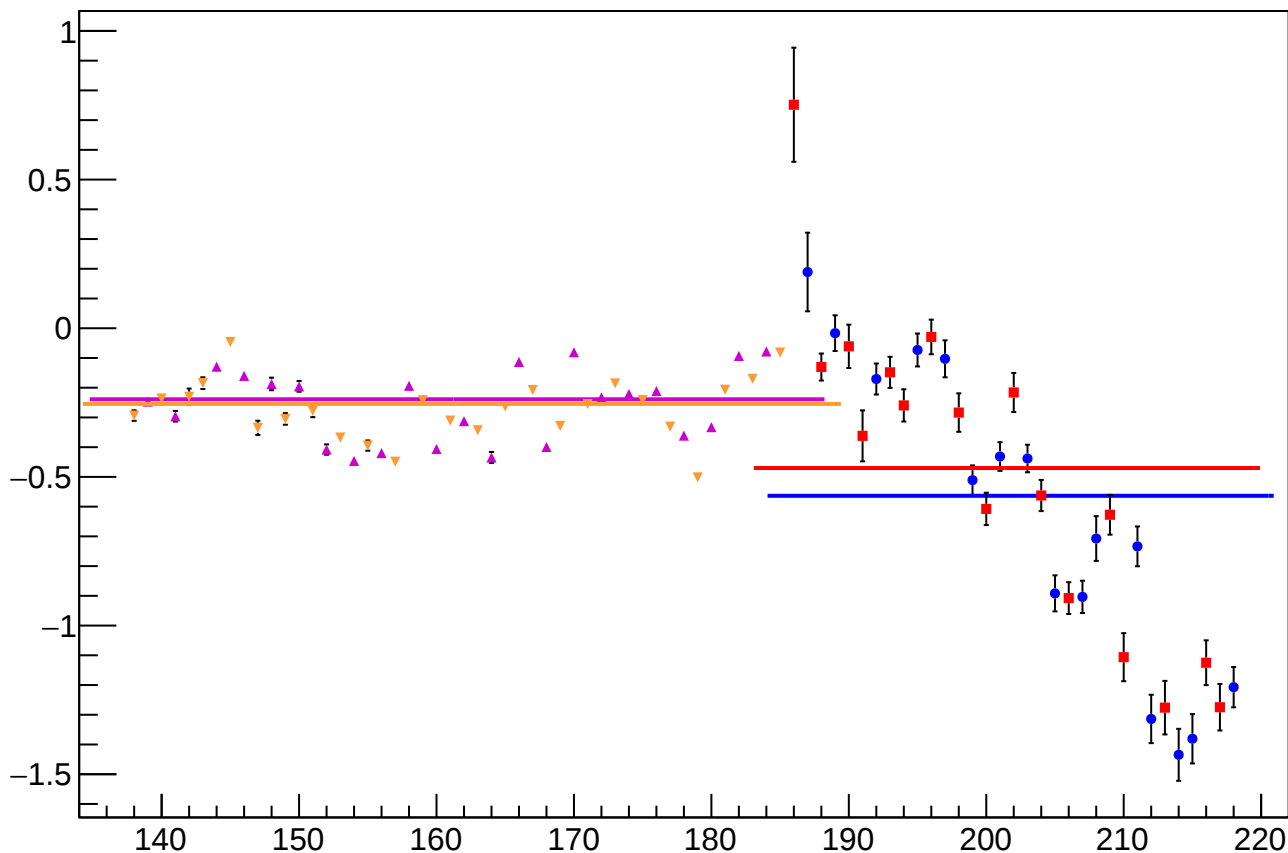
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 39.645 ± 0.060 χ^2/NDF : 9546.4/40

All: 39.407 ± 0.043 χ^2/NDF : 18233.1/80

- sign 39.162 ± 0.061 χ^2/NDF : 8654.5/39

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: -0.470 ± 0.015 χ^2/NDF : 668.3/16

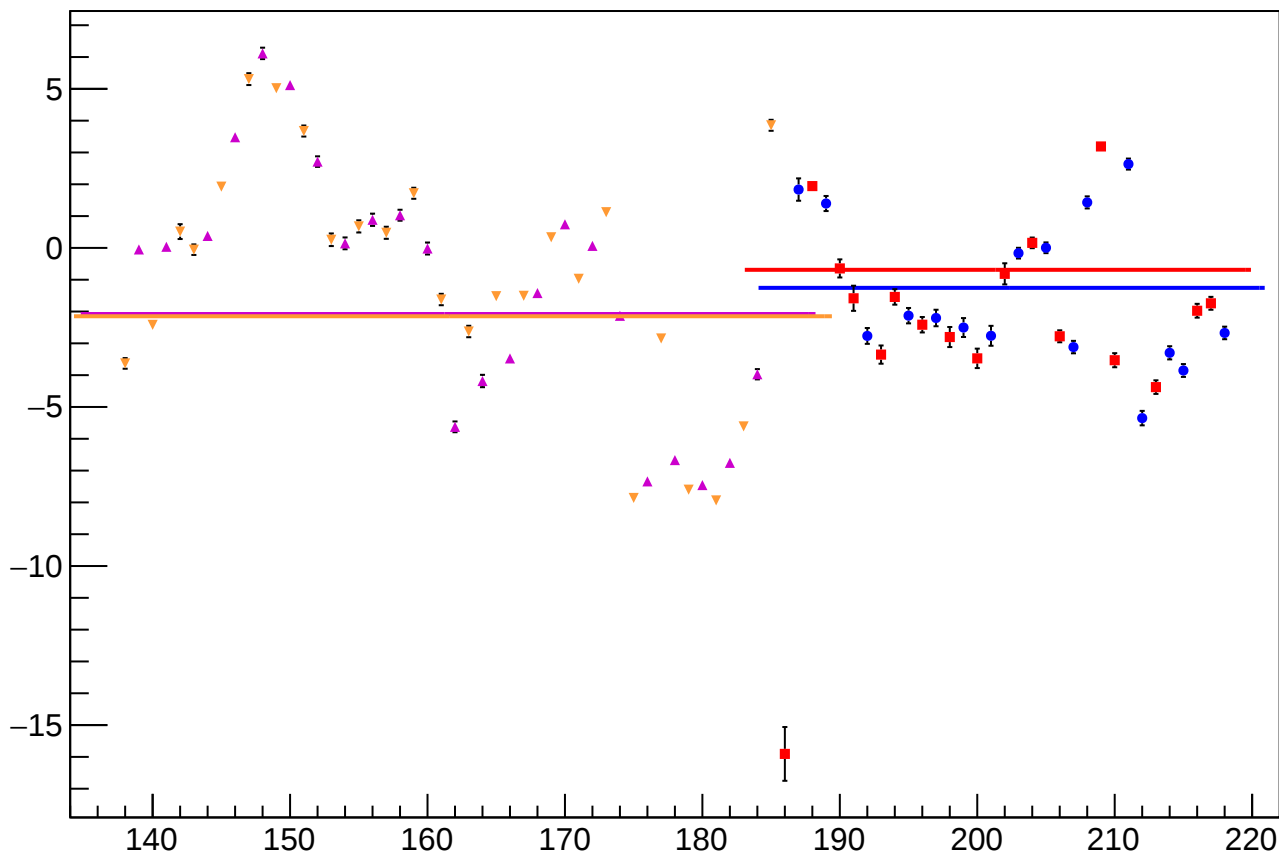
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.264 ± 0.003 χ^2/NDF : 2585.0/40

All: -0.255 ± 0.002 χ^2/NDF : 5242.3/80

- sign -0.246 ± 0.003 χ^2/NDF : 2635.9/39

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



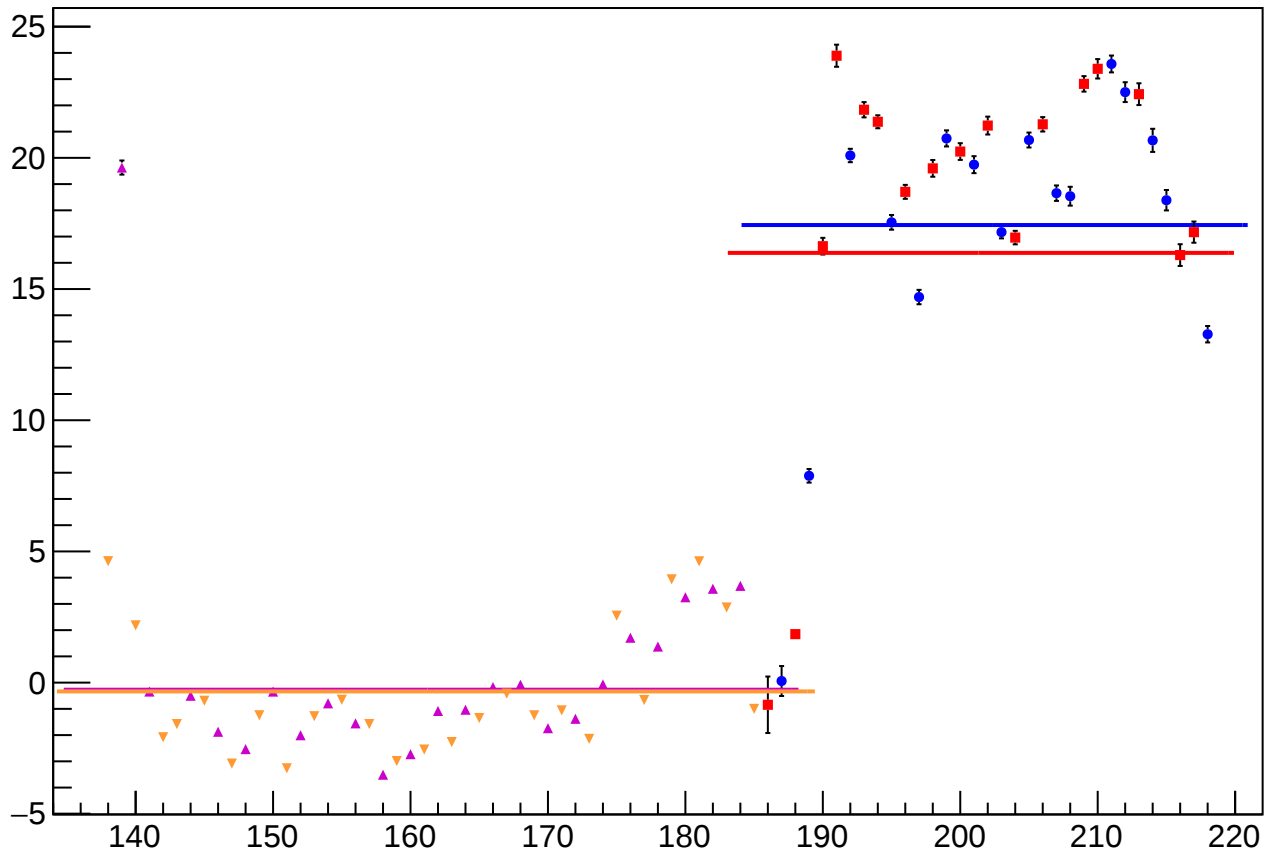
Right In: -1.256 ± 0.054 χ^2/NDF : 1833.9/15
 Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24
 Right Out: -0.689 ± 0.052 χ^2/NDF : 2460.0/16
 Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.984 ± 0.023 χ^2/NDF : 26594.5/40

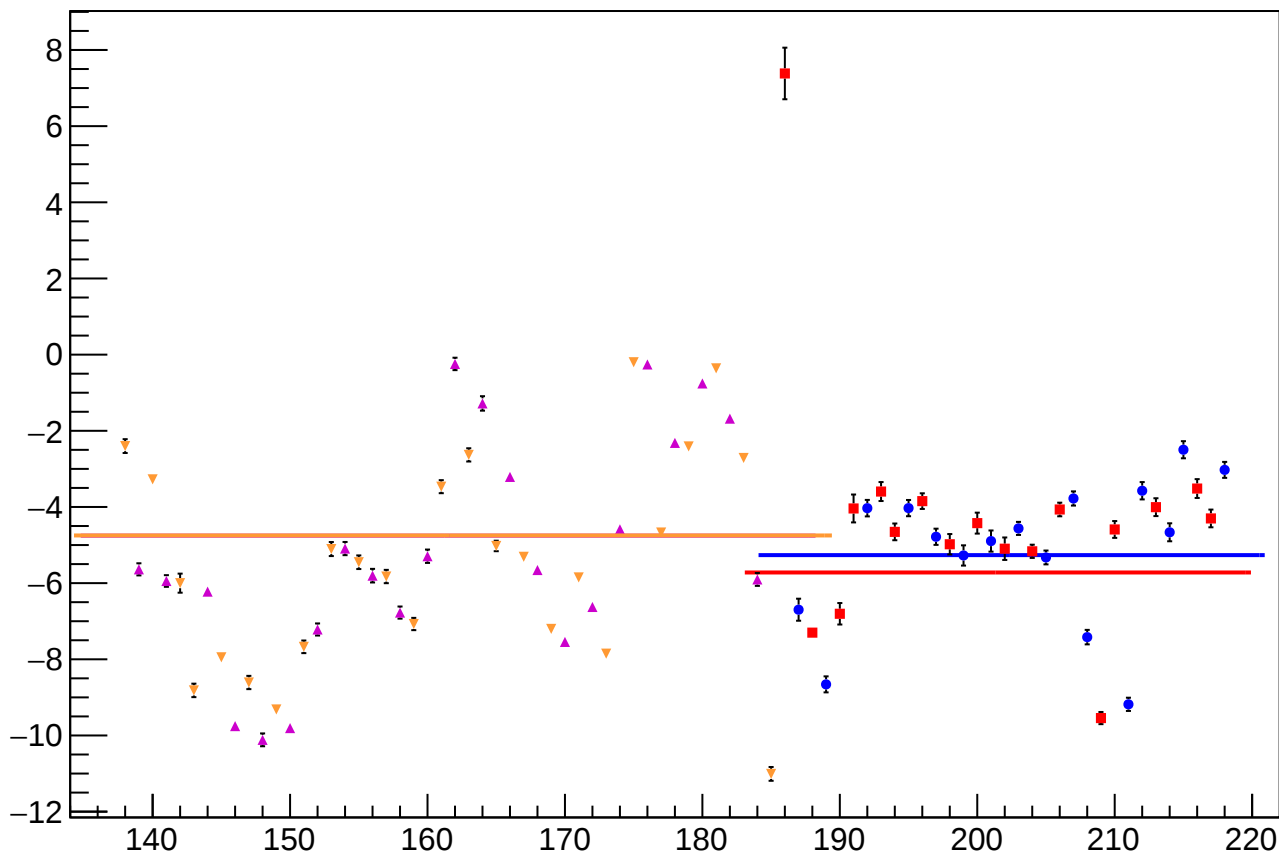
All: -1.892 ± 0.016 χ^2/NDF : 52904.2/80

- sign -1.798 ± 0.023 χ^2/NDF : 26277.8/39

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.264 ± 0.053 χ^2/NDF : 1400.8/15

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.720 ± 0.049 χ^2/NDF : 1805.0/16

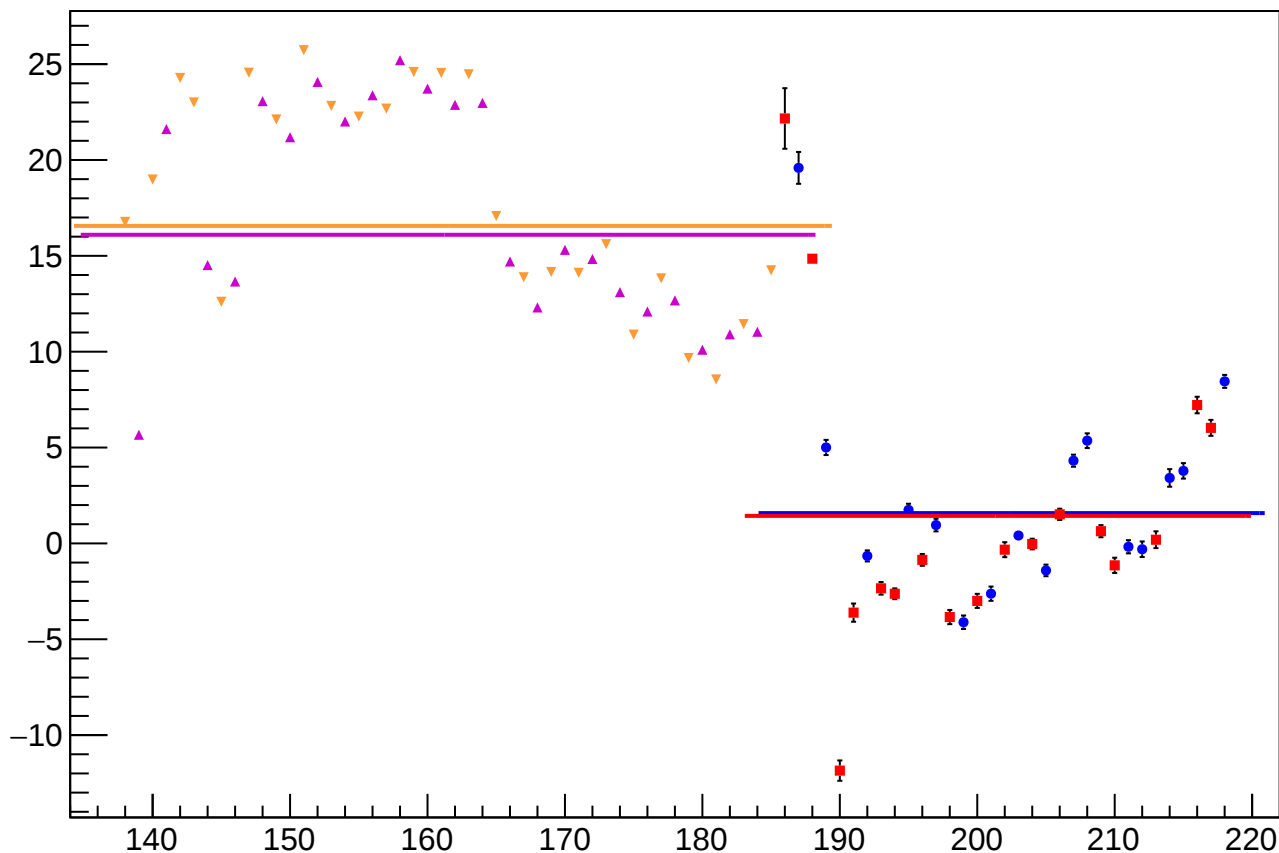
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.848 ± 0.023 χ^2/NDF : 14768.0/40

All: -4.910 ± 0.016 χ^2/NDF : 31014.3/80

- sign -4.971 ± 0.023 χ^2/NDF : 16232.2/39

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 1.580 ± 0.088 χ^2/NDF : 1791.8/15

Left Out: 16.563 ± 0.023 χ^2/NDF : 53858.5/24

Right Out: 1.435 ± 0.085 χ^2/NDF : 5347.5/16

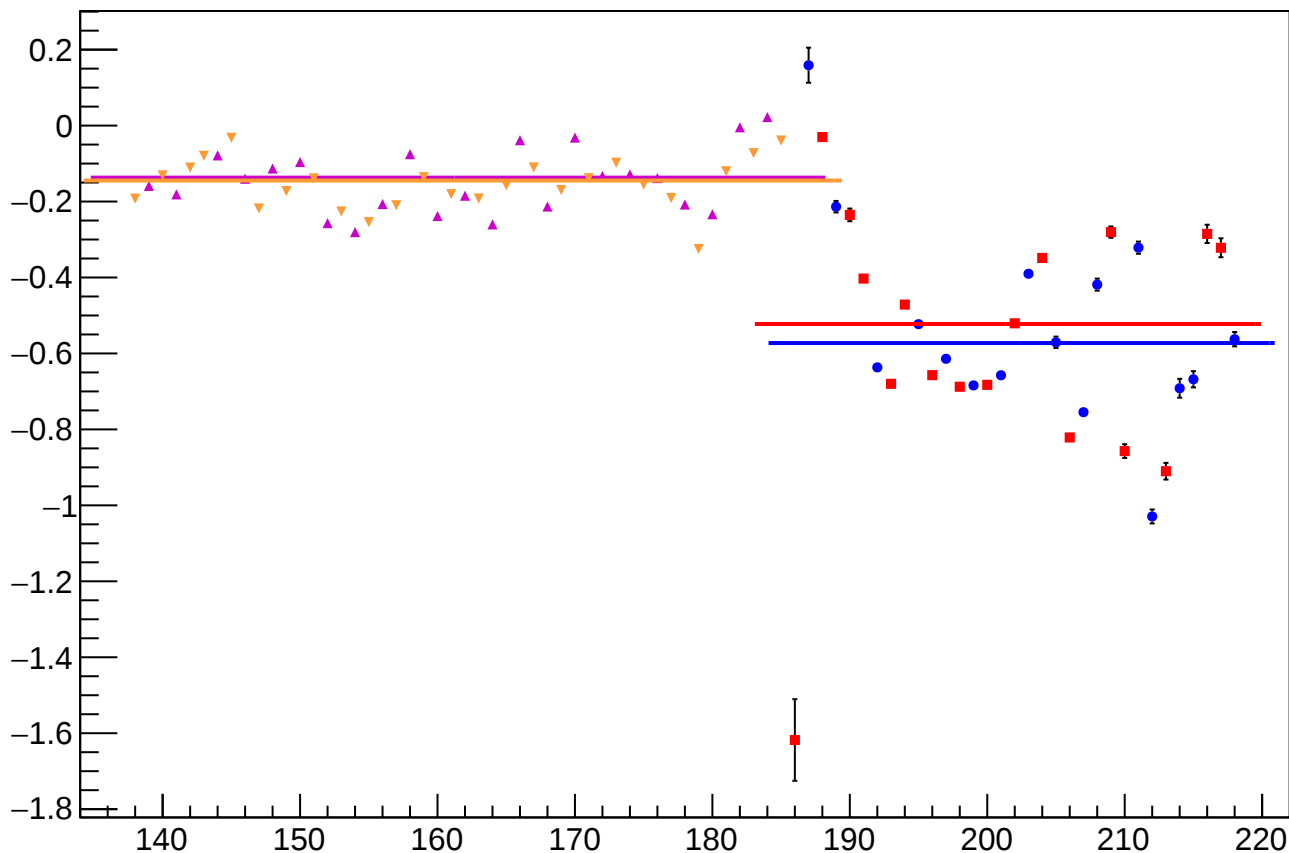
Left In: 16.098 ± 0.024 χ^2/NDF : 42345.7/22

+ sign 15.583 ± 0.022 χ^2/NDF : 83039.9/40

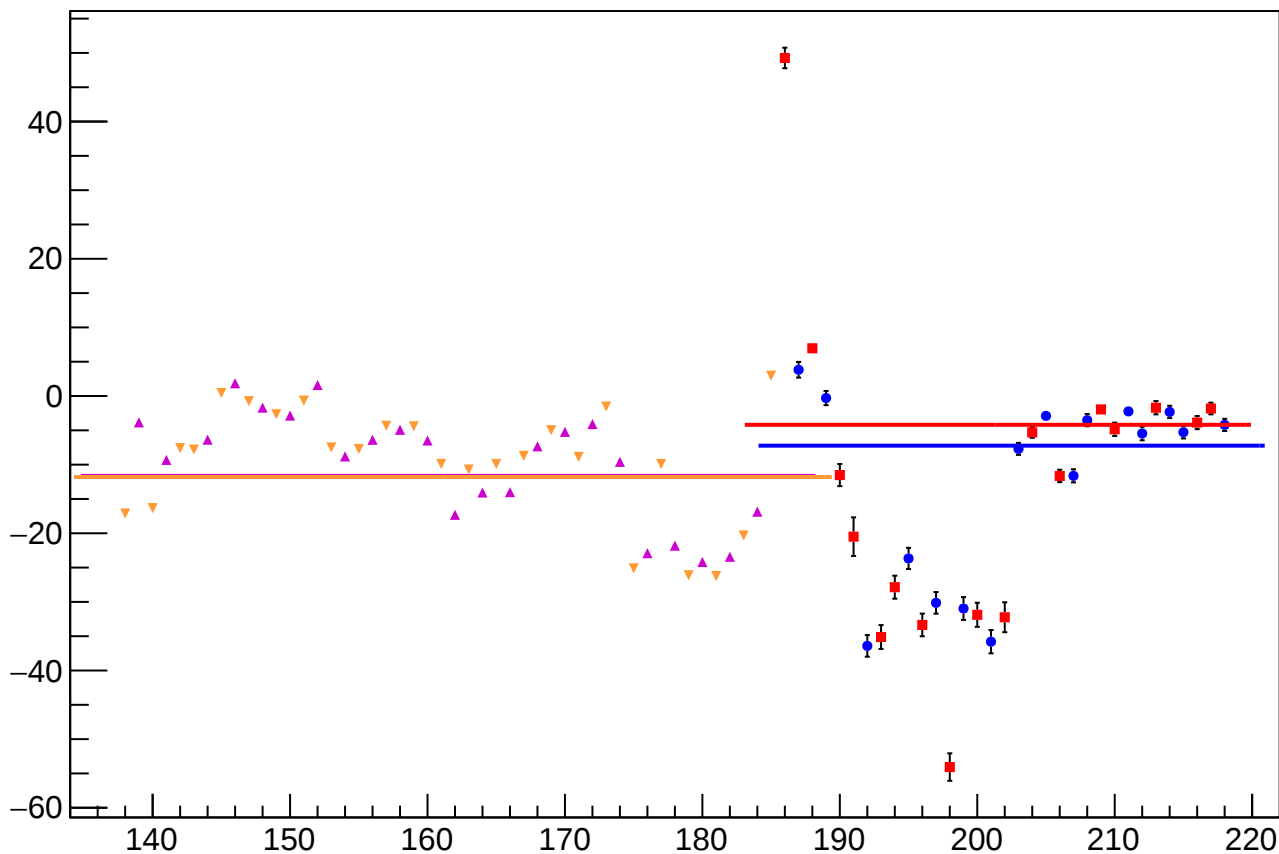
All: 15.326 ± 0.016 χ^2/NDF : 158425.1/80

- sign 15.060 ± 0.023 χ^2/NDF : 75115.9/39

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: -4.193 ± 0.254 χ^2/NDF : 3710.4/16

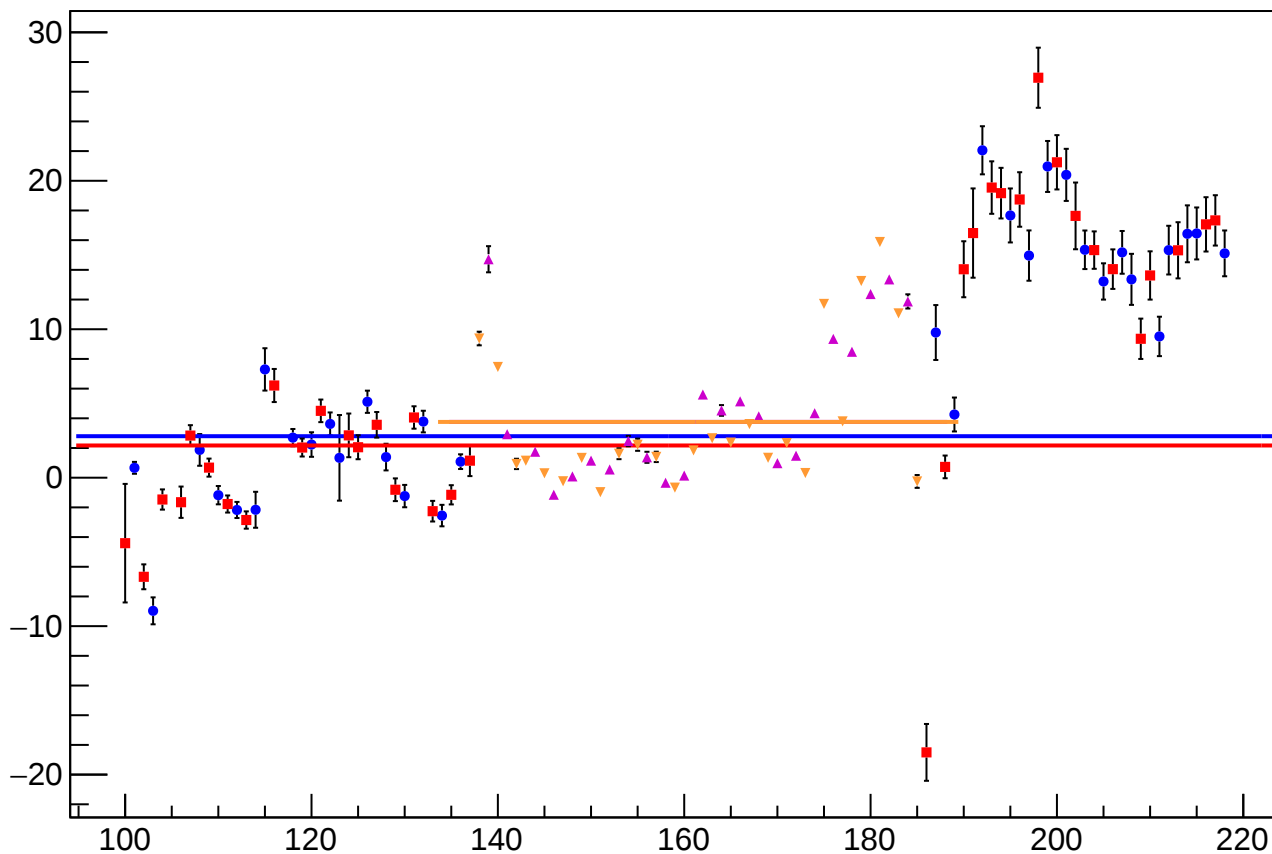
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.469 ± 0.068 χ^2/NDF : 19079.5/40

All: -11.284 ± 0.048 χ^2/NDF : 37725.6/80

- sign -11.093 ± 0.069 χ^2/NDF : 18631.0/39

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.795 ± 0.156 χ^2/NDF : 1485.9/32

Left Out: 3.757 ± 0.056 χ^2/NDF : 7450.7/24

Right Out: 2.170 ± 0.158 χ^2/NDF : 1625.1/35

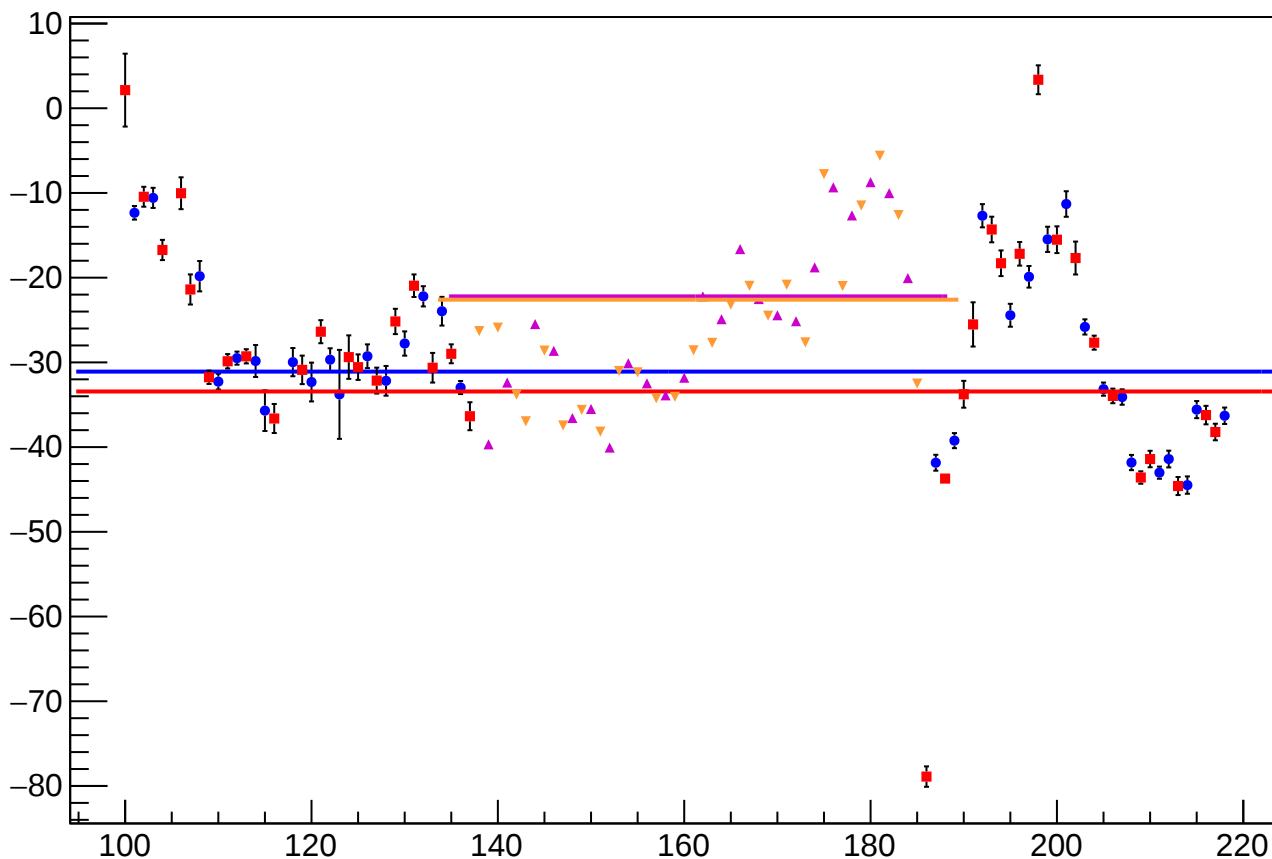
Left In: 3.757 ± 0.057 χ^2/NDF : 5629.4/22

+ sign 3.648 ± 0.052 χ^2/NDF : 8970.4/57

All: 3.614 ± 0.037 χ^2/NDF : 16314.7/116

- sign 3.578 ± 0.053 χ^2/NDF : 7343.5/58

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -31.088 ± 0.191 χ^2/NDF : 2558.2/32

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -33.434 ± 0.187 χ^2/NDF : 4571.6/35

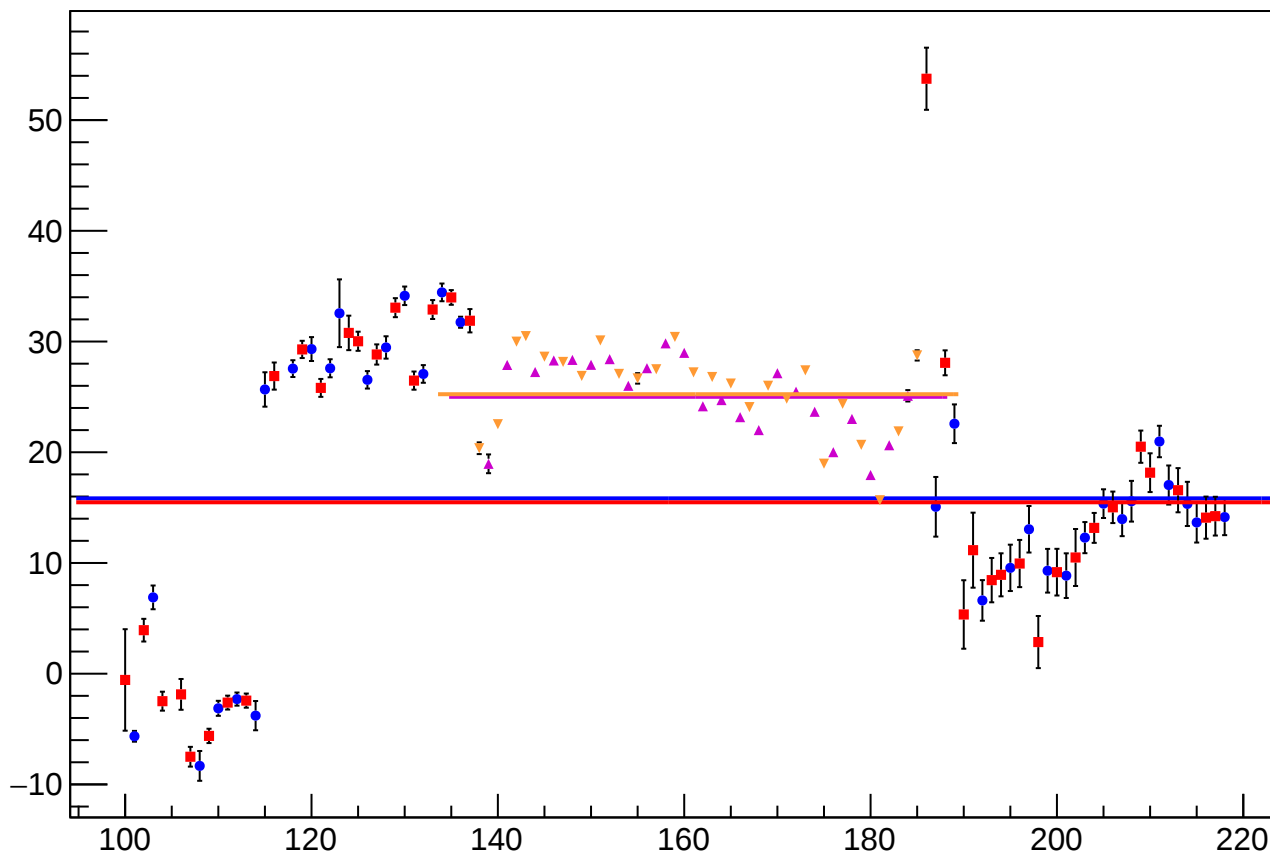
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -23.617 ± 0.066 χ^2/NDF : 24223.5/57

All: -23.633 ± 0.047 χ^2/NDF : 49574.7/116

- sign -23.648 ± 0.067 χ^2/NDF : 25351.2/58

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: 15.481 $\pm$ 0.180 χ^2 /NDF: 7676.7/35

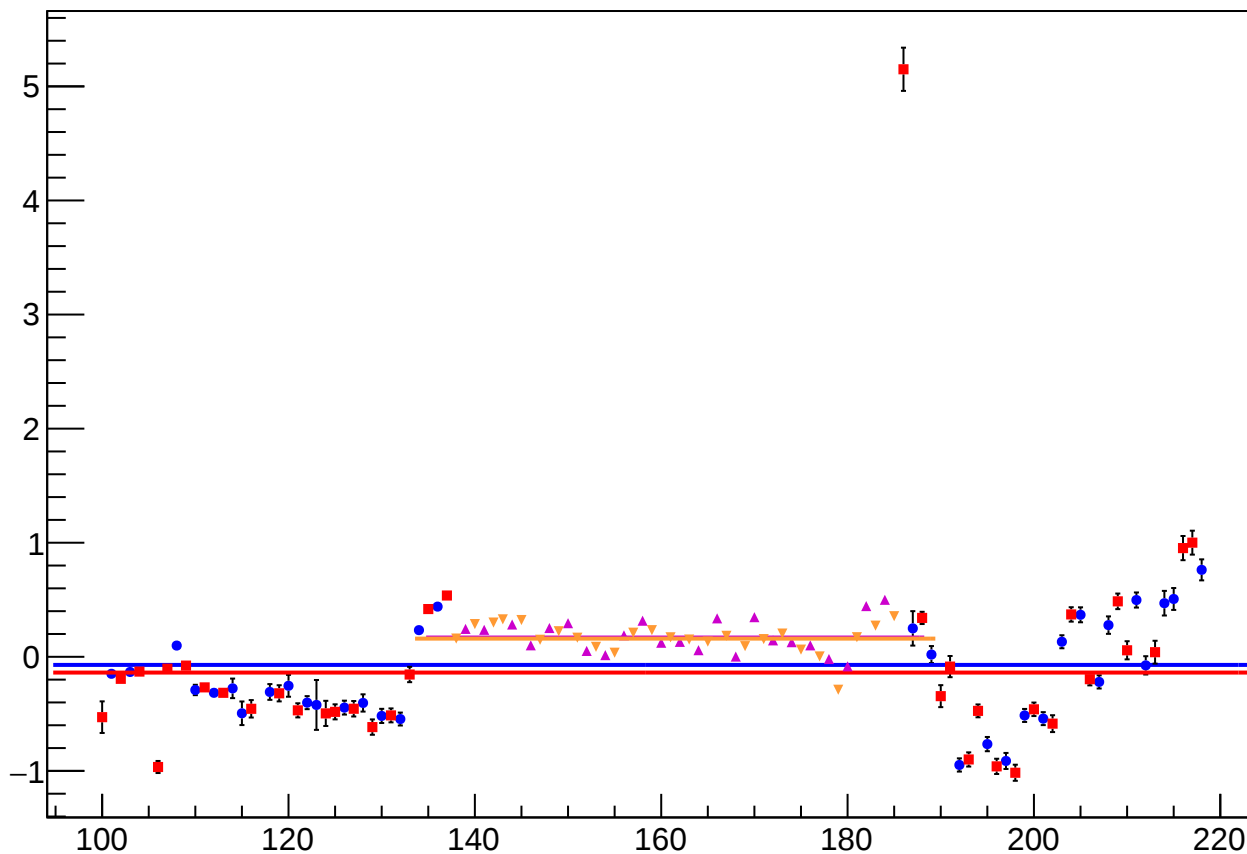
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.184 $\pm$ 0.059 χ^2 /NDF: 13964.9/57

All: 24.068 $\pm$ 0.042 χ^2 /NDF: 26853.5/116

- sign 23.947 $\pm$ 0.060 χ^2 /NDF: 12880.7/58

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: -0.138 ± 0.009 χ^2/NDF : 2965.5/35

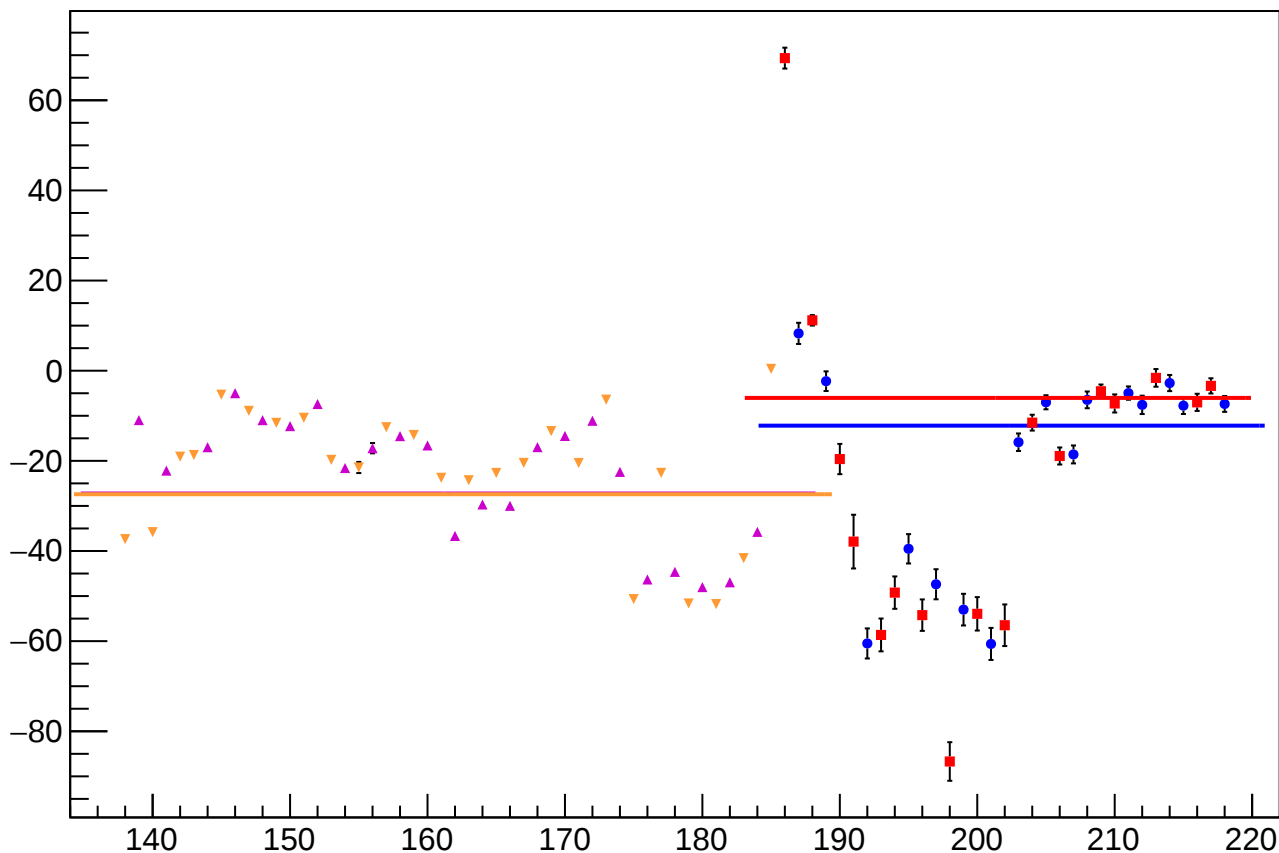
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.138 ± 0.003 χ^2/NDF : 4429.1/57

All: 0.138 ± 0.002 χ^2/NDF : 10885.3/116

- sign 0.139 ± 0.003 χ^2/NDF : 6456.0/58

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: -6.035 ± 0.524 χ^2/NDF : 2572.8/16

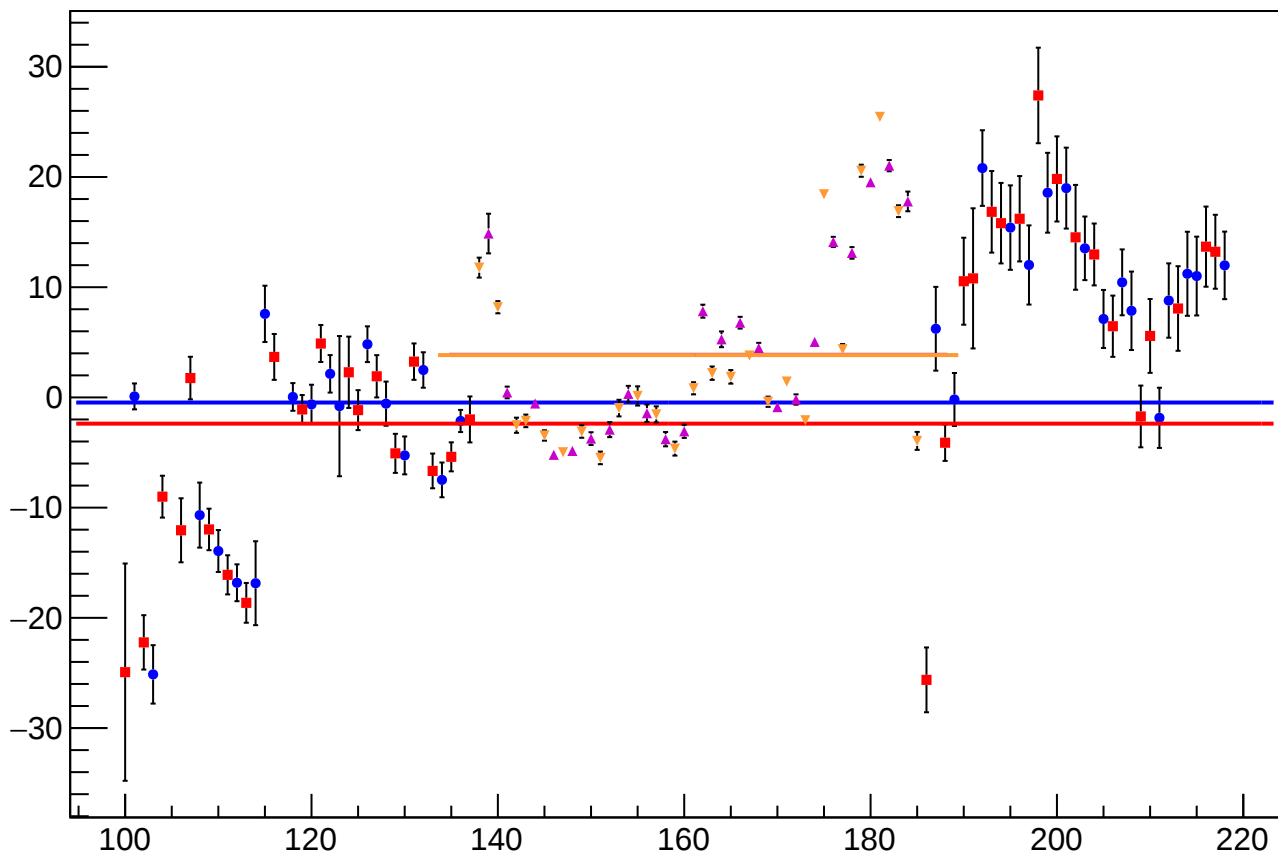
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -26.429 ± 0.132 χ^2/NDF : 16558.4/40

All: -26.141 ± 0.094 χ^2/NDF : 31974.7/80

- sign -25.843 ± 0.135 χ^2/NDF : 15406.6/39

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.463 ± 0.366 $\chi^2/\text{NDF}: 540.9/32$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -2.380 ± 0.374 $\chi^2/\text{NDF}: 667.5/35$

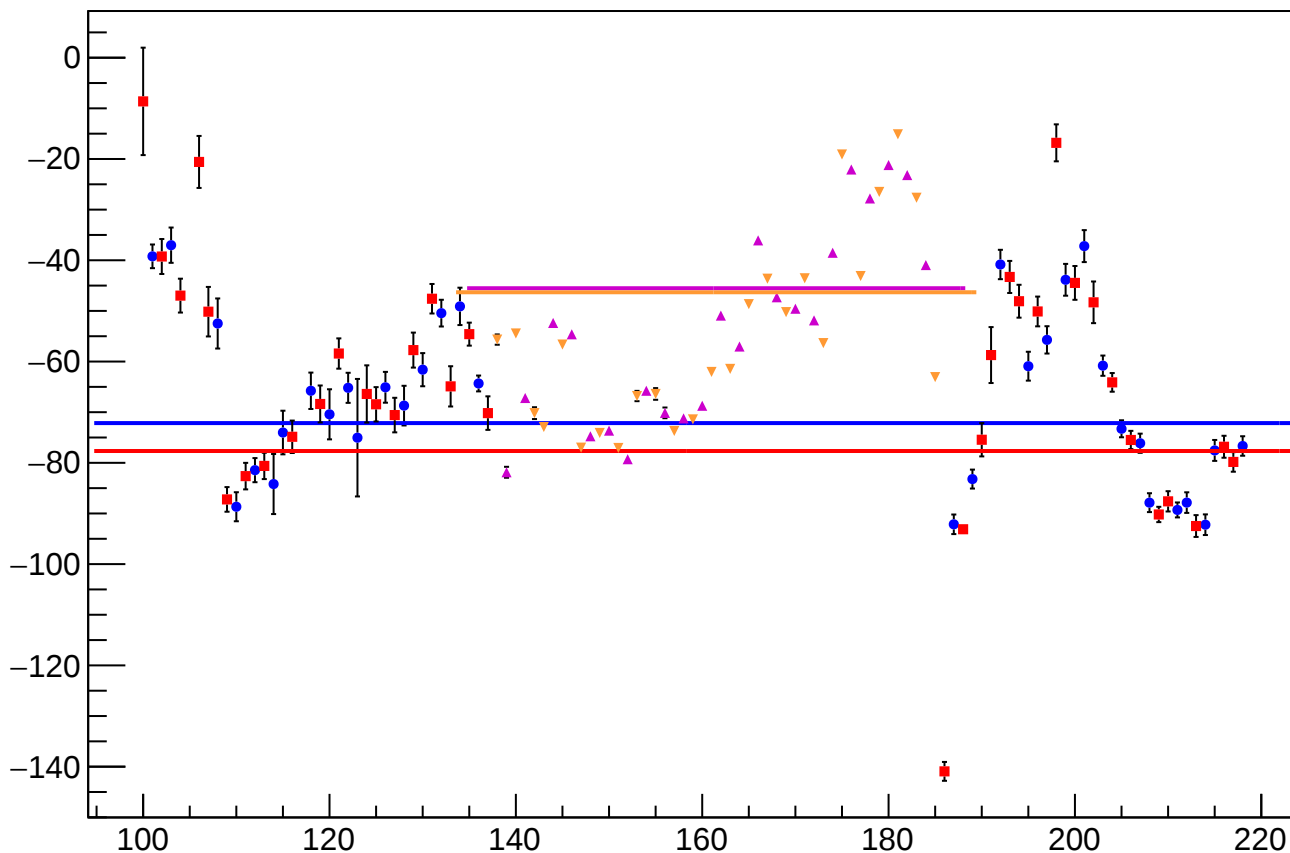
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.490 ± 0.105 $\chi^2/\text{NDF}: 7607.0/57$

All: 3.426 ± 0.075 $\chi^2/\text{NDF}: 13955.2/116$

- sign 3.359 ± 0.107 $\chi^2/\text{NDF}: 6347.4/58$

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: -77.665 ± 0.414 χ^2/NDF : 3100.3/35

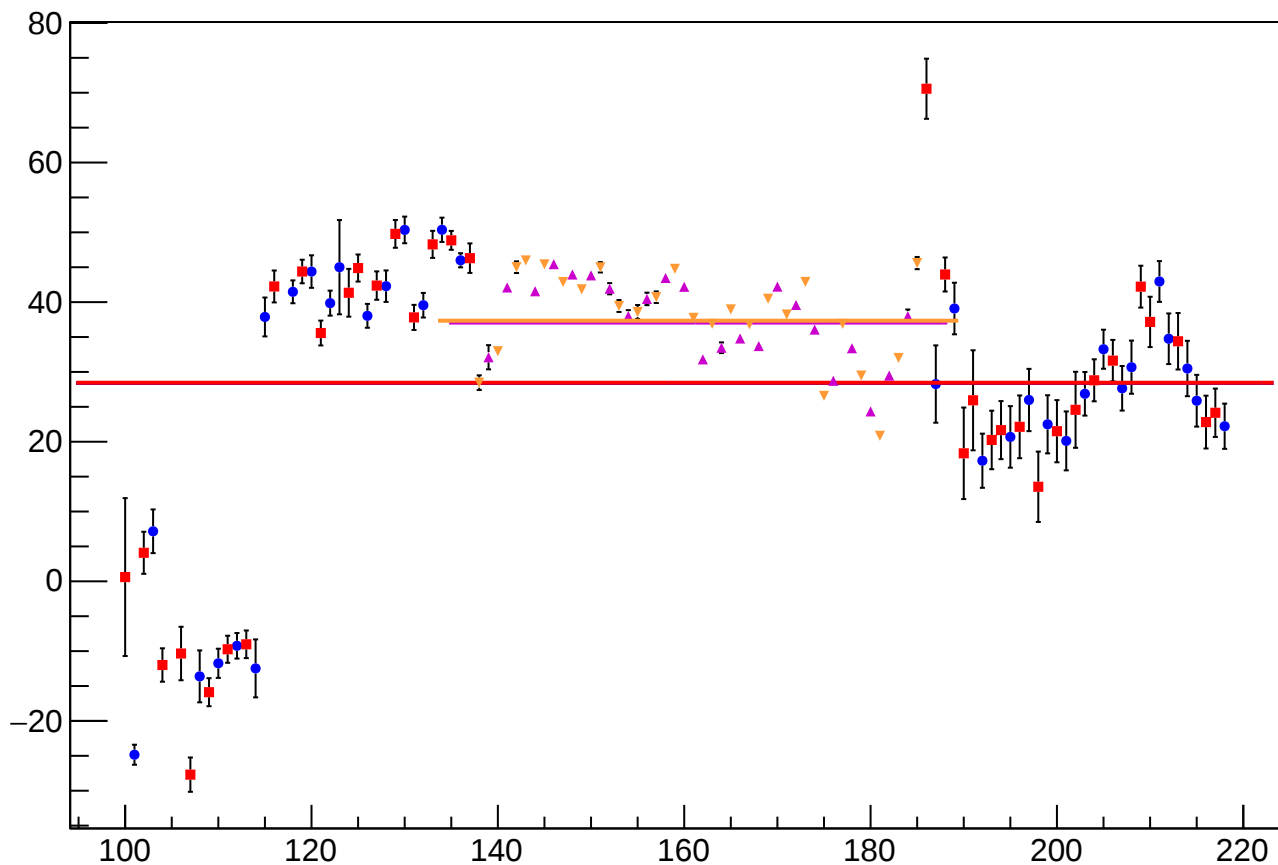
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -48.793 ± 0.131 χ^2/NDF : 24948.1/57

All: -48.801 ± 0.093 χ^2/NDF : 50986.3/116

- sign -48.810 ± 0.132 χ^2/NDF : 26038.1/58

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.416 $\pm$ 0.411 χ^2 /NDF: 3372.7/32

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.450 $\pm$ 0.425 χ^2 /NDF: 3229.0/35

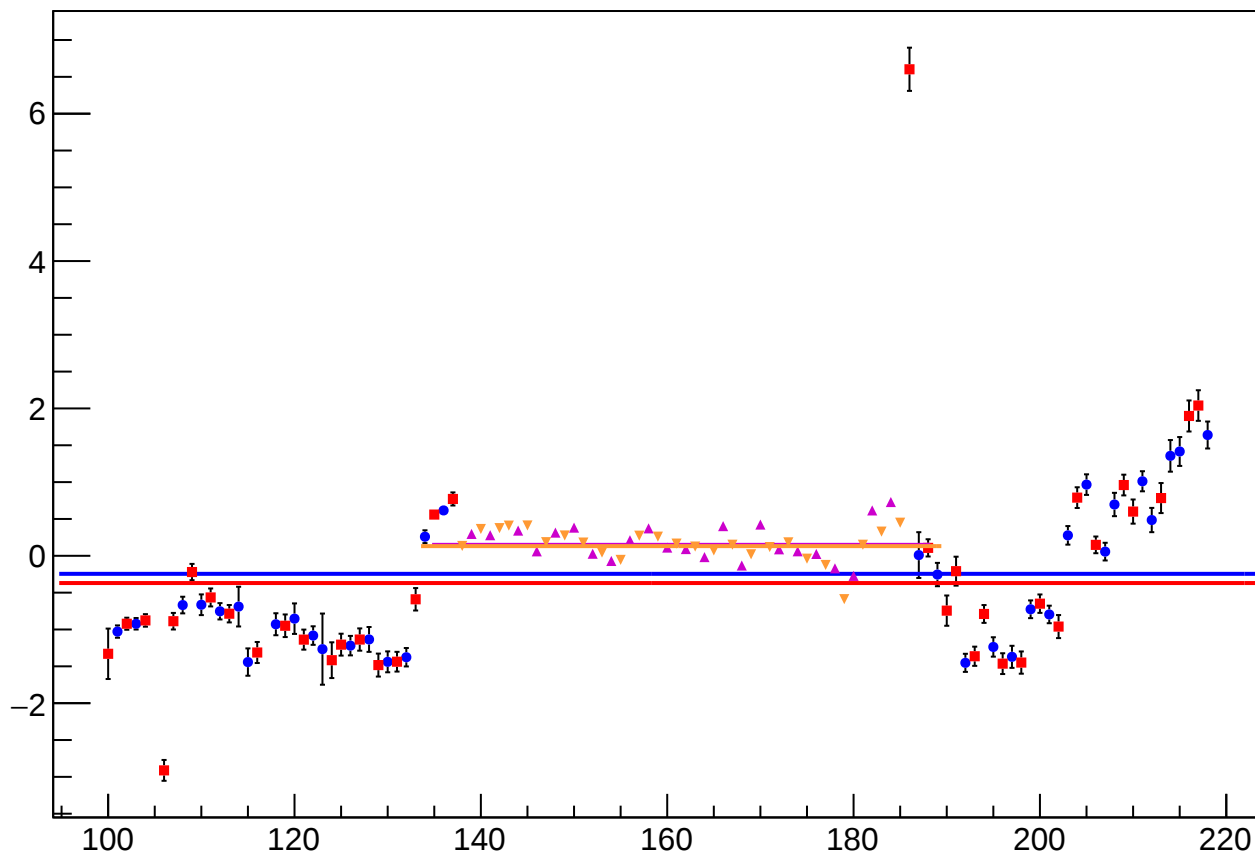
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.608 $\pm$ 0.118 χ^2 /NDF: 6954.5/57

All: 36.500 $\pm$ 0.084 χ^2 /NDF: 12960.7/116

- sign 36.387 $\pm$ 0.120 χ^2 /NDF: 6004.5/58

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: -0.370 ± 0.021 χ^2/NDF : 2472.9/35

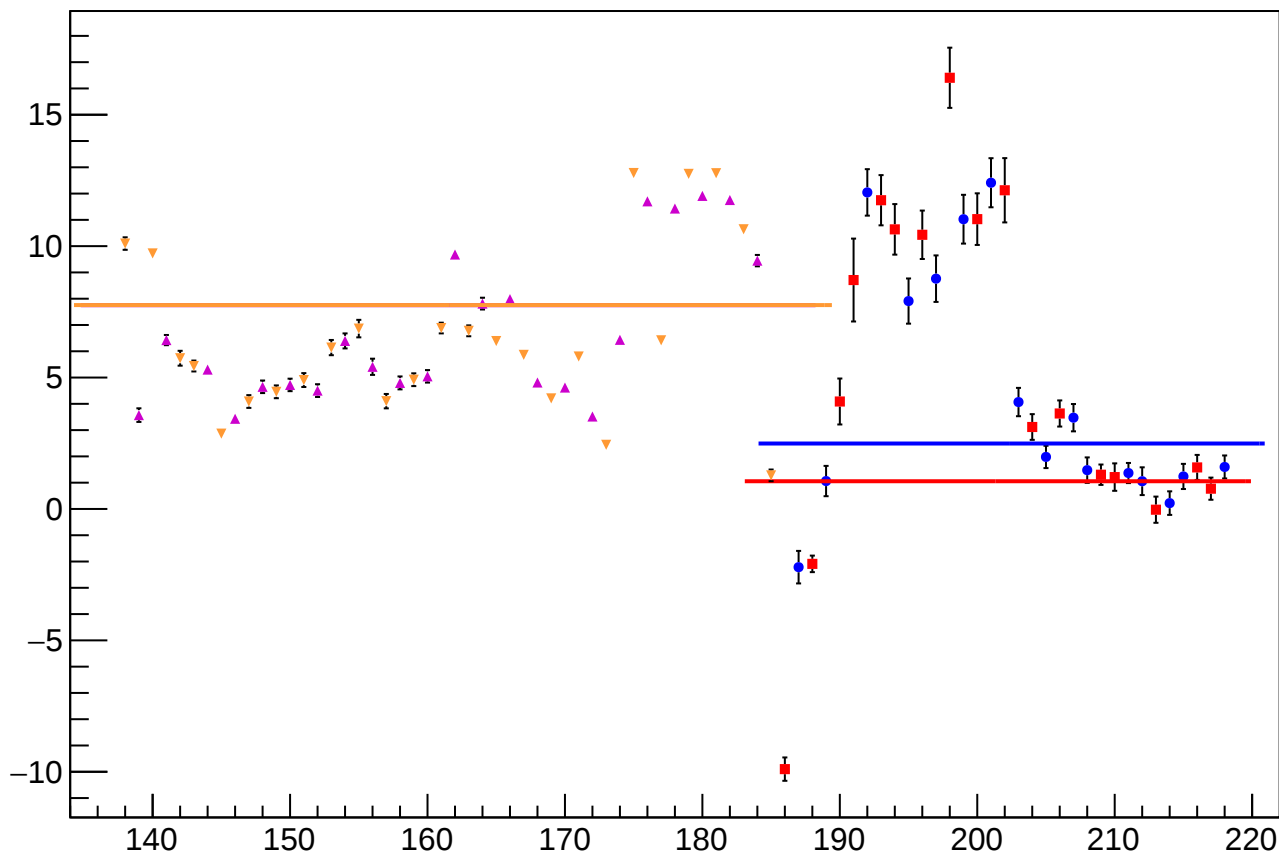
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.105 ± 0.005 χ^2/NDF : 3475.9/57

All: 0.109 ± 0.004 χ^2/NDF : 8316.5/116

- sign 0.113 ± 0.006 χ^2/NDF : 4839.6/58

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.490 ± 0.136 $\chi^2/\text{NDF}: 538.6/15$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 1.055 ± 0.134 $\chi^2/\text{NDF}: 1487.9/16$

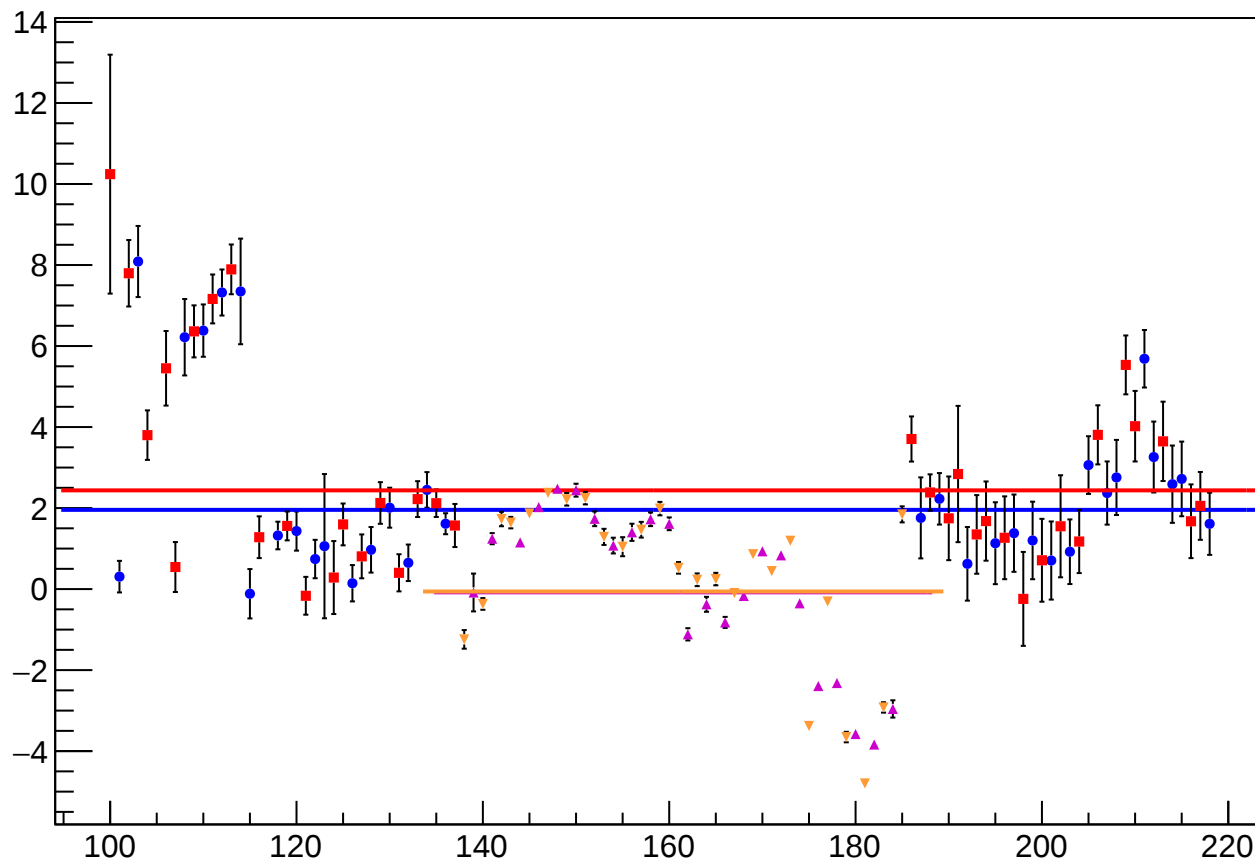
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.443 ± 0.033 $\chi^2/\text{NDF}: 13669.6/40$

All: 7.386 ± 0.024 $\chi^2/\text{NDF}: 25832.6/80$

- sign 7.326 ± 0.034 $\chi^2/\text{NDF}: 12157.0/39$

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: 2.437 ± 0.104 $\chi^2/\text{NDF}: 383.4/35$

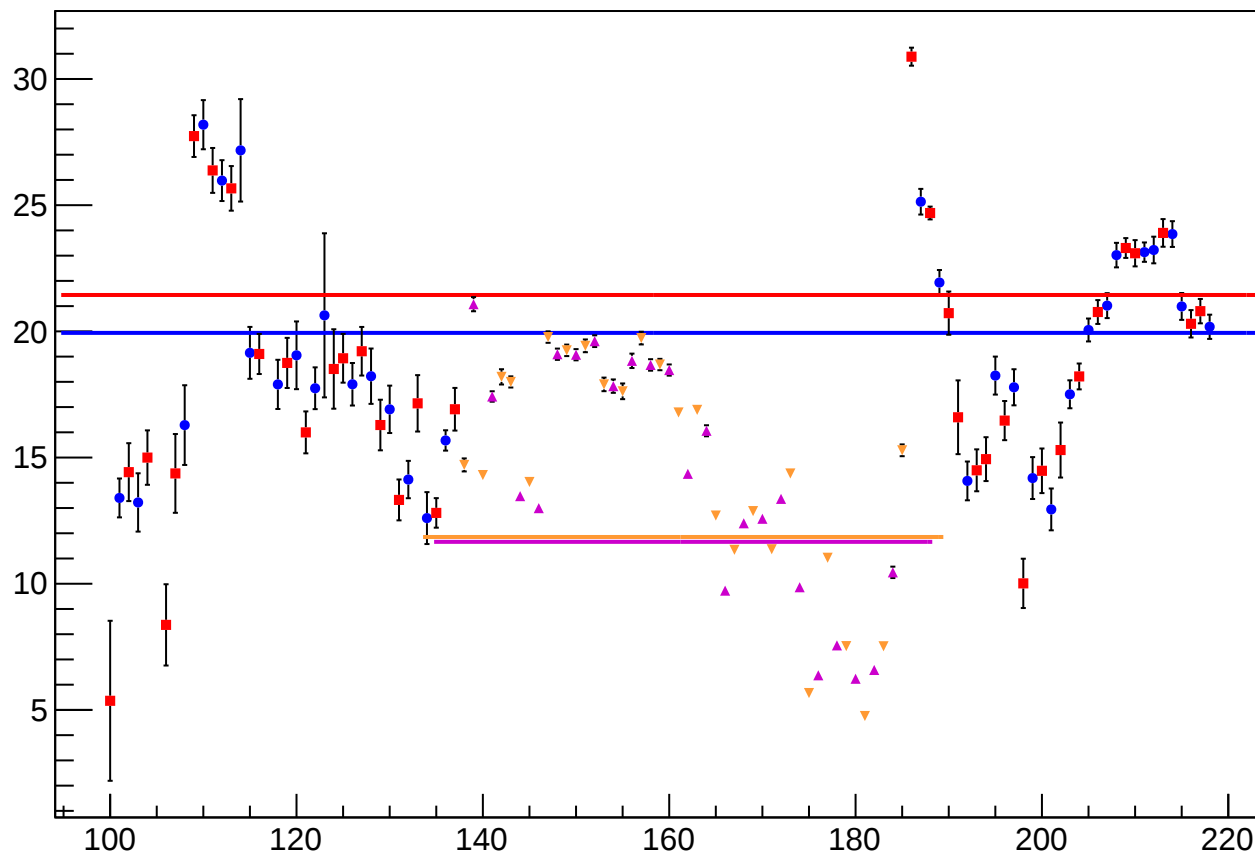
Left In: -0.080 ± 0.028 $\chi^2/\text{NDF}: 4979.5/22$

+ sign 0.078 ± 0.027 $\chi^2/\text{NDF}: 6765.0/57$

All: 0.085 ± 0.019 $\chi^2/\text{NDF}: 12669.4/116$

- sign 0.091 ± 0.027 $\chi^2/\text{NDF}: 5904.3/58$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.940 $\pm$ 0.114 χ^2 /NDF: 1054.6/32

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 21.442 $\pm$ 0.110 χ^2 /NDF: 2133.0/35

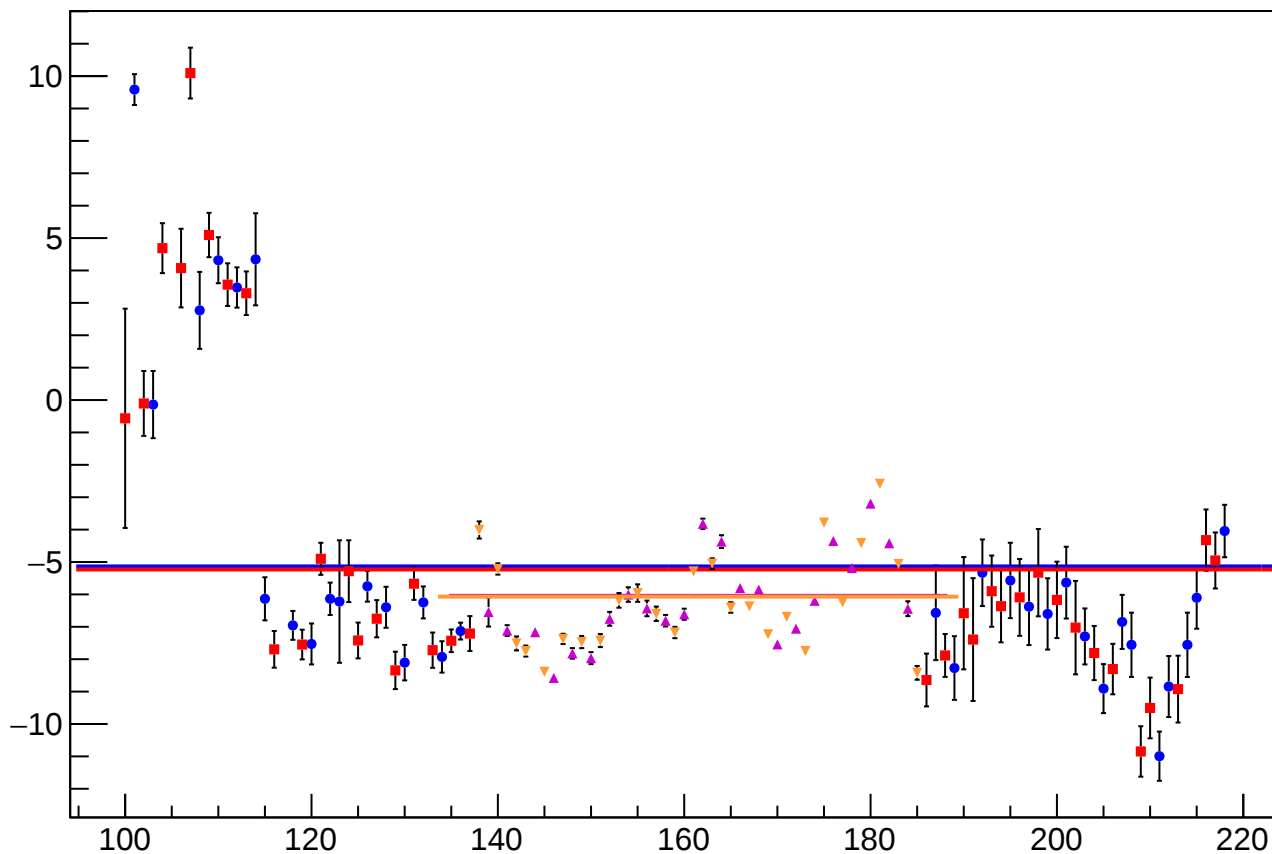
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.537 $\pm$ 0.033 χ^2 /NDF: 24804.4/57

All: 12.554 $\pm$ 0.024 χ^2 /NDF: 50853.6/116

- sign 12.572 $\pm$ 0.034 χ^2 /NDF: 26048.6/58

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.136 ± 0.115 $\chi^2/\text{NDF}: 1746.3/32$

Left Out: -6.068 ± 0.031 $\chi^2/\text{NDF}: 2671.7/24$

Right Out: -5.229 ± 0.119 $\chi^2/\text{NDF}: 1523.5/35$

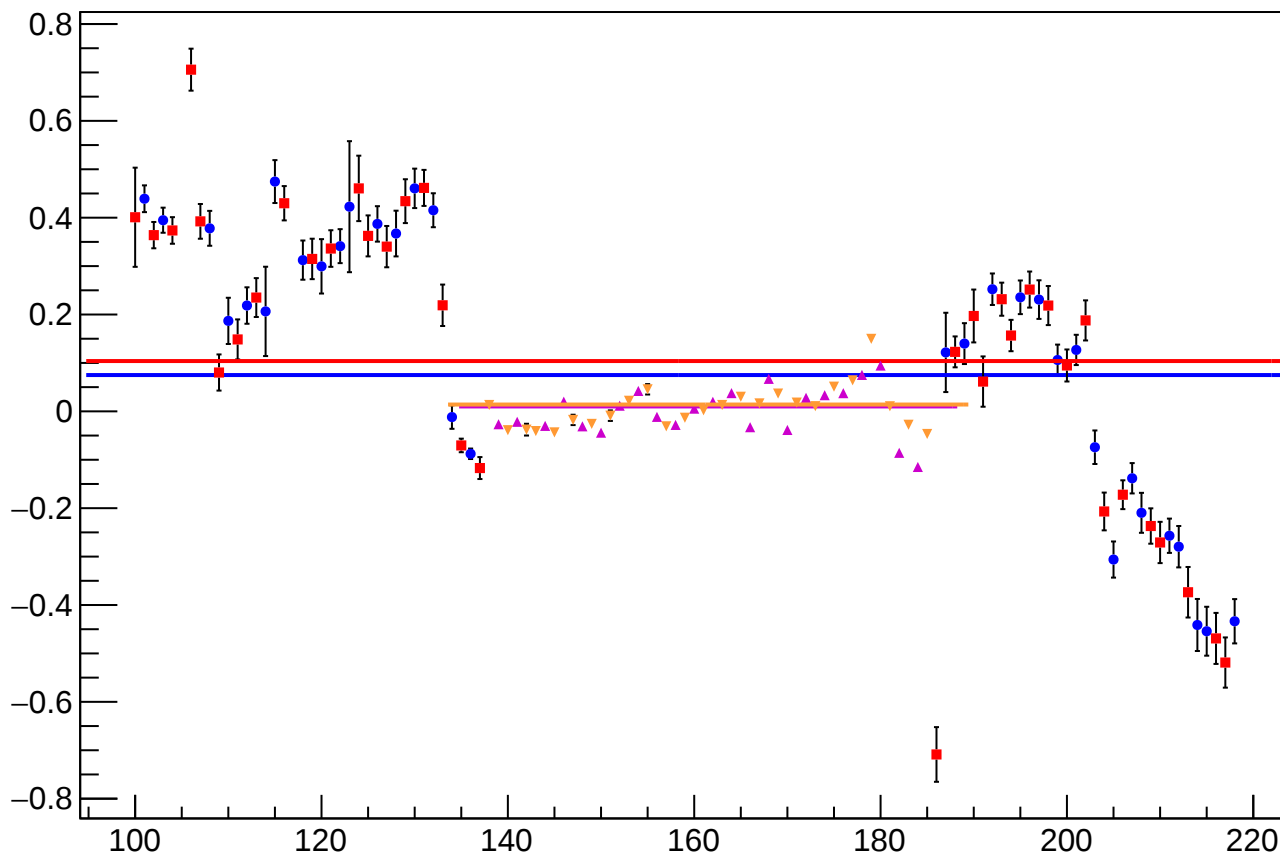
Left In: -6.045 ± 0.032 $\chi^2/\text{NDF}: 2293.7/22$

+ sign -6.004 ± 0.030 $\chi^2/\text{NDF}: 4479.7/57$

All: -5.998 ± 0.021 $\chi^2/\text{NDF}: 8341.1/116$

- sign -5.991 ± 0.031 $\chi^2/\text{NDF}: 3861.3/58$

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: 0.104 $\pm$ 0.006 χ^2 /NDF: 2027.7/35

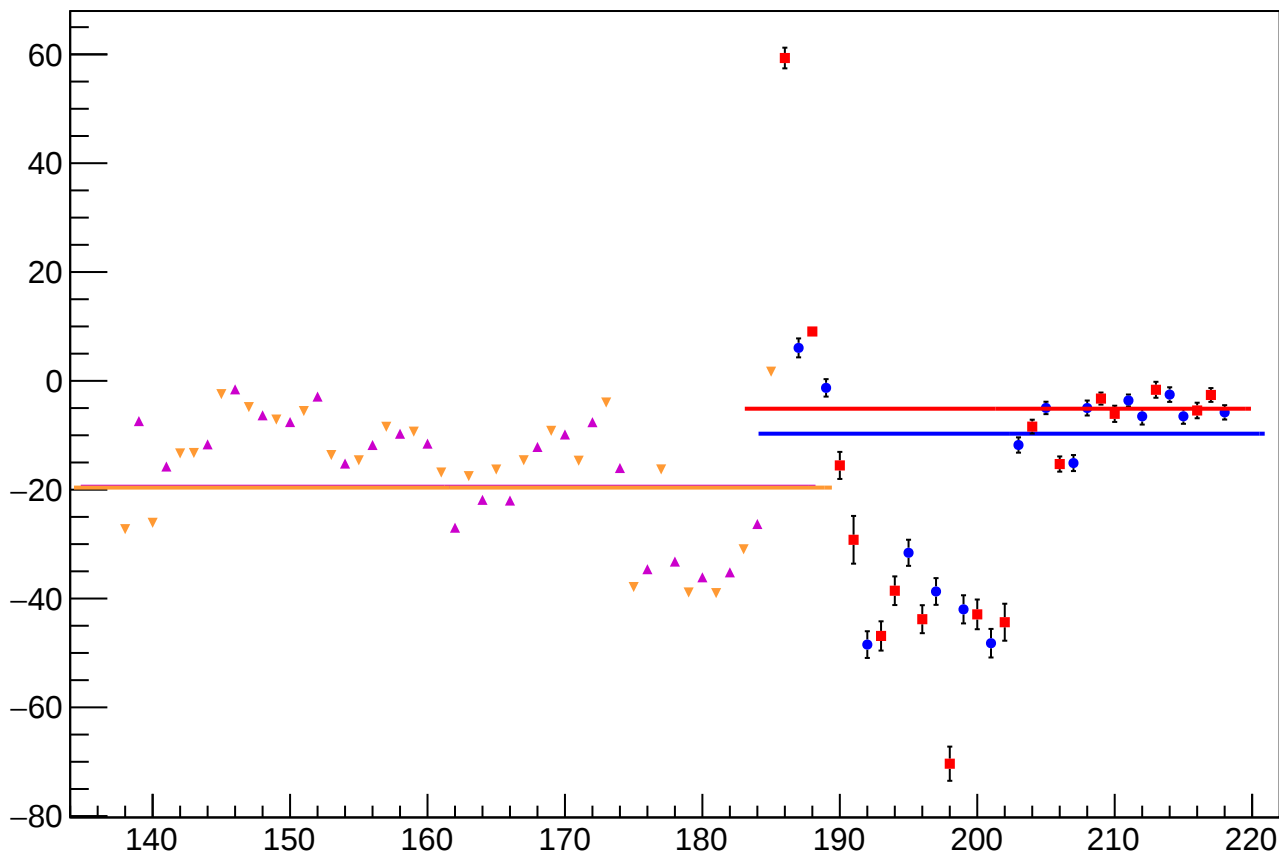
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.018 $\pm$ 0.001 χ^2 /NDF: 2983.6/57

All: 0.017 $\pm$ 0.001 χ^2 /NDF: 6469.1/116

- sign 0.016 $\pm$ 0.001 χ^2 /NDF: 3484.4/58

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: -5.117 ± 0.389 χ^2/NDF : 2934.9/16

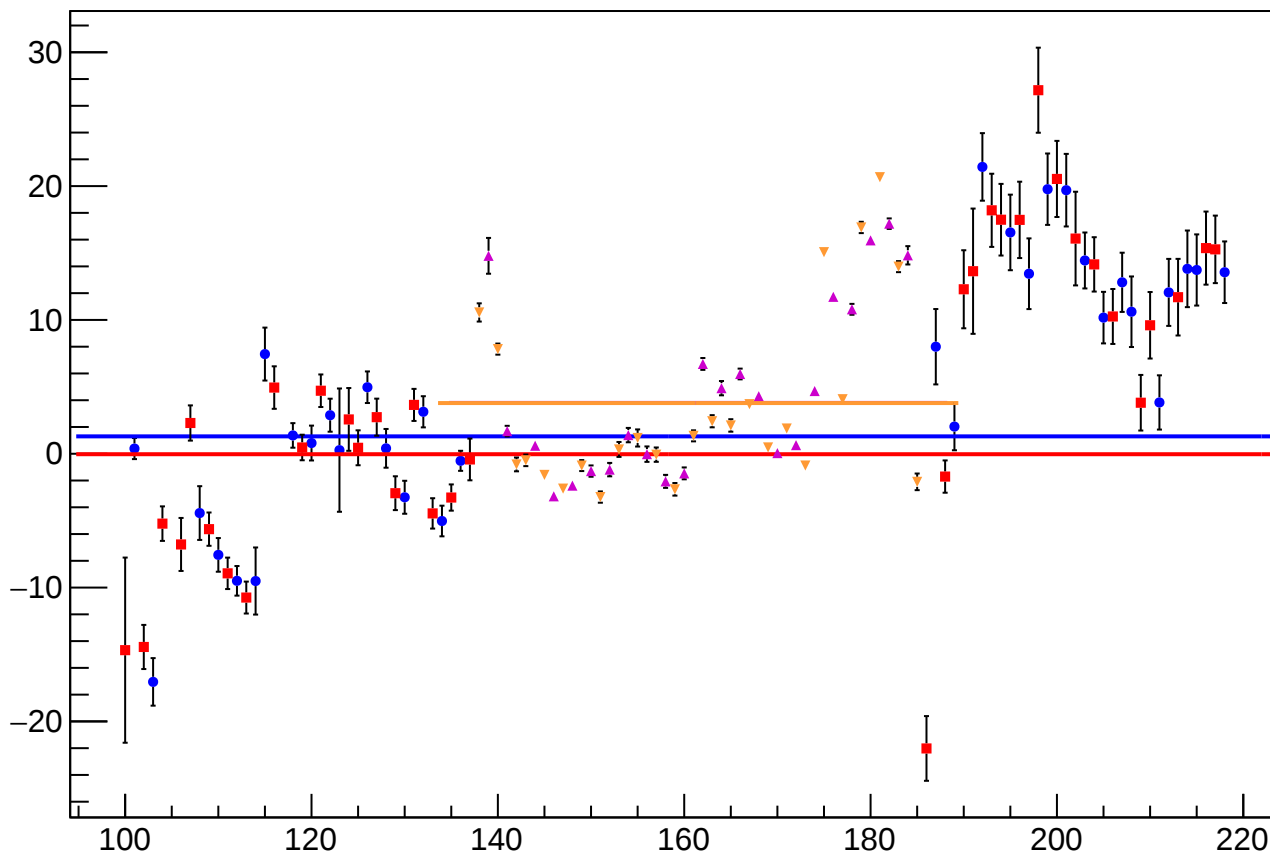
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -18.952 ± 0.100 χ^2/NDF : 17450.3/40

All: -18.718 ± 0.071 χ^2/NDF : 33944.4/80

- sign -18.476 ± 0.101 χ^2/NDF : 16482.9/39

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: -0.034 ± 0.268 $\chi^2/\text{NDF}: 902.3/35$

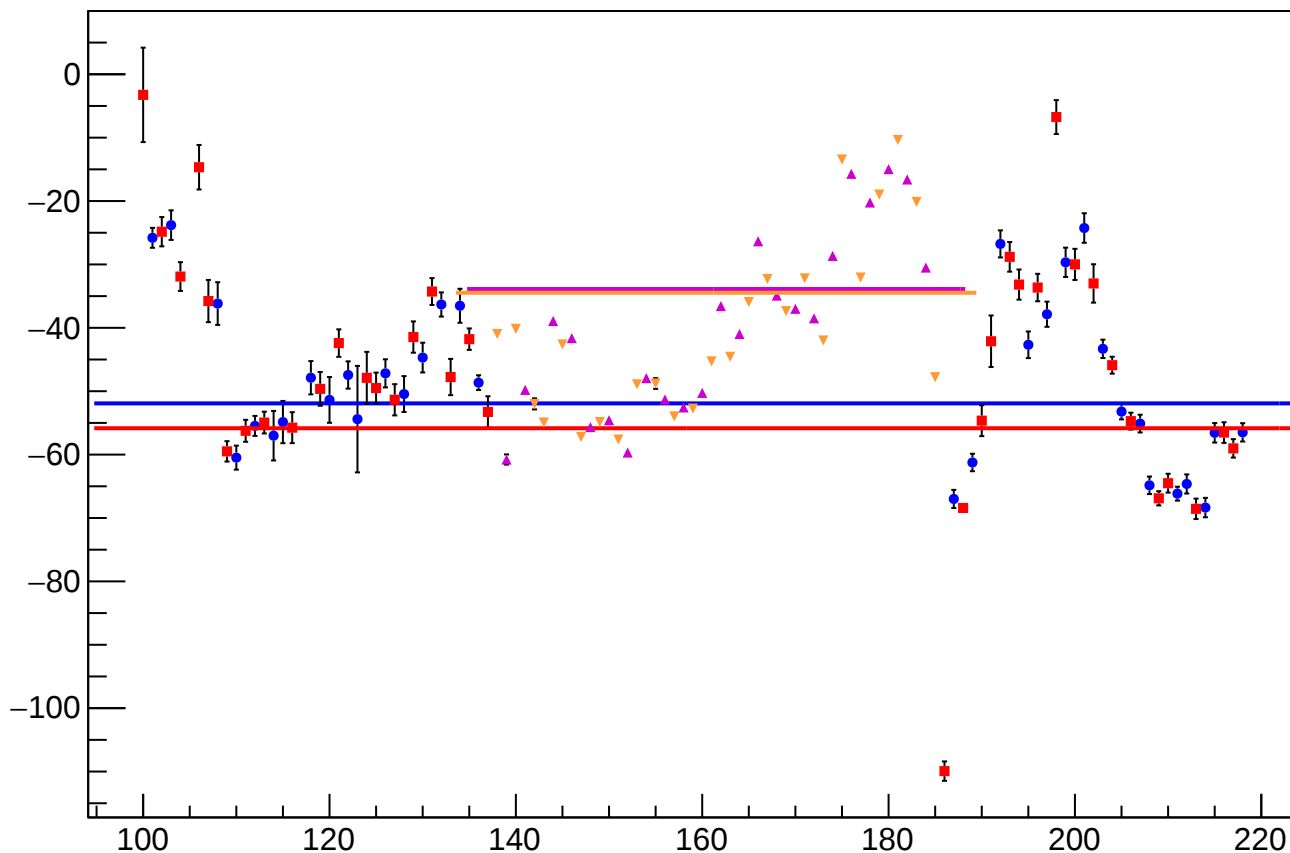
Left In: 3.799 ± 0.084 $\chi^2/\text{NDF}: 5517.0/22$

+ sign 3.567 ± 0.078 $\chi^2/\text{NDF}: 7989.6/57$

All: 3.514 ± 0.056 $\chi^2/\text{NDF}: 14596.1/116$

- sign 3.459 ± 0.080 $\chi^2/\text{NDF}: 6605.6/58$

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: -55.841 ± 0.302 χ^2/NDF : 3485.7/35

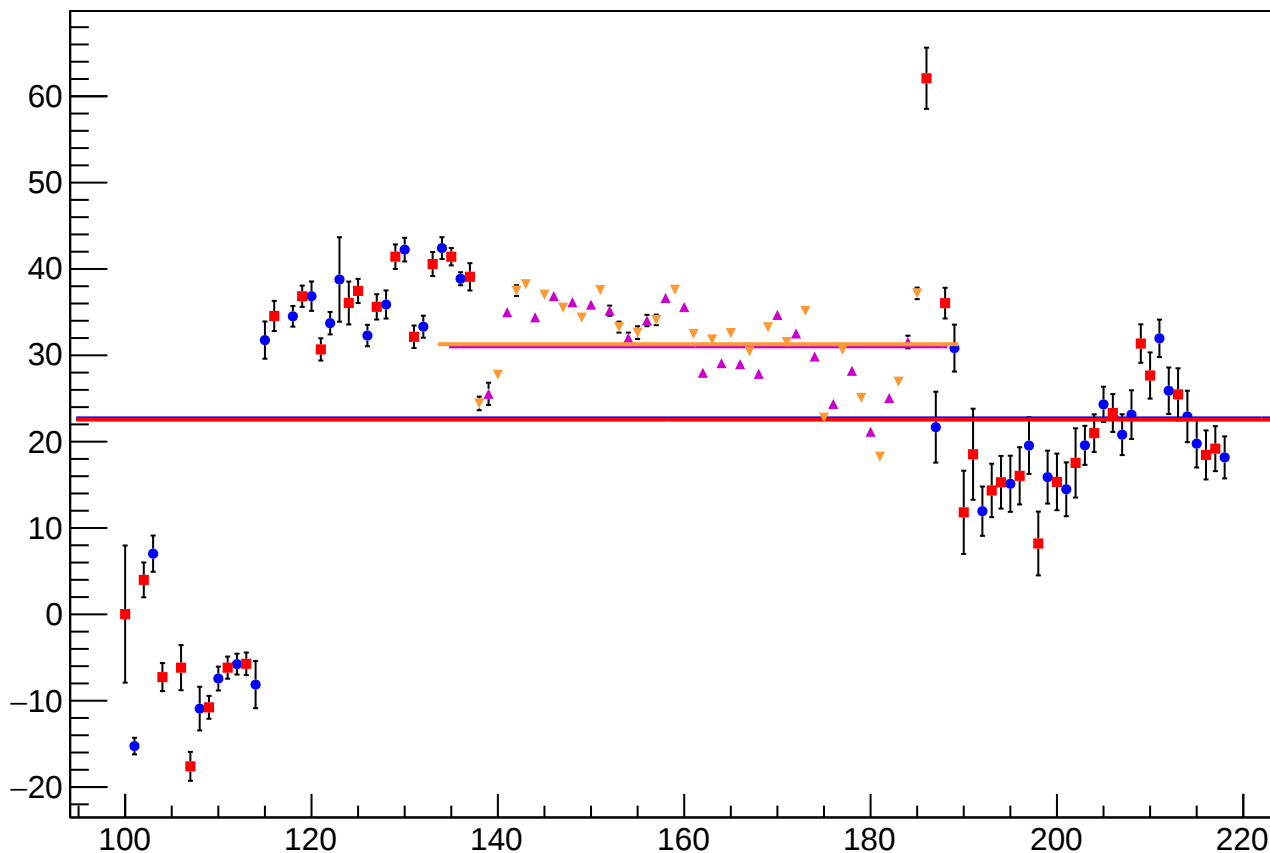
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -36.247 ± 0.099 χ^2/NDF : 24767.1/57

All: -36.251 ± 0.070 χ^2/NDF : 50606.4/116

- sign -36.254 ± 0.099 χ^2/NDF : 25839.4/58

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: 22.561 $\pm$ 0.305 χ^2 /NDF: 4282.0/35

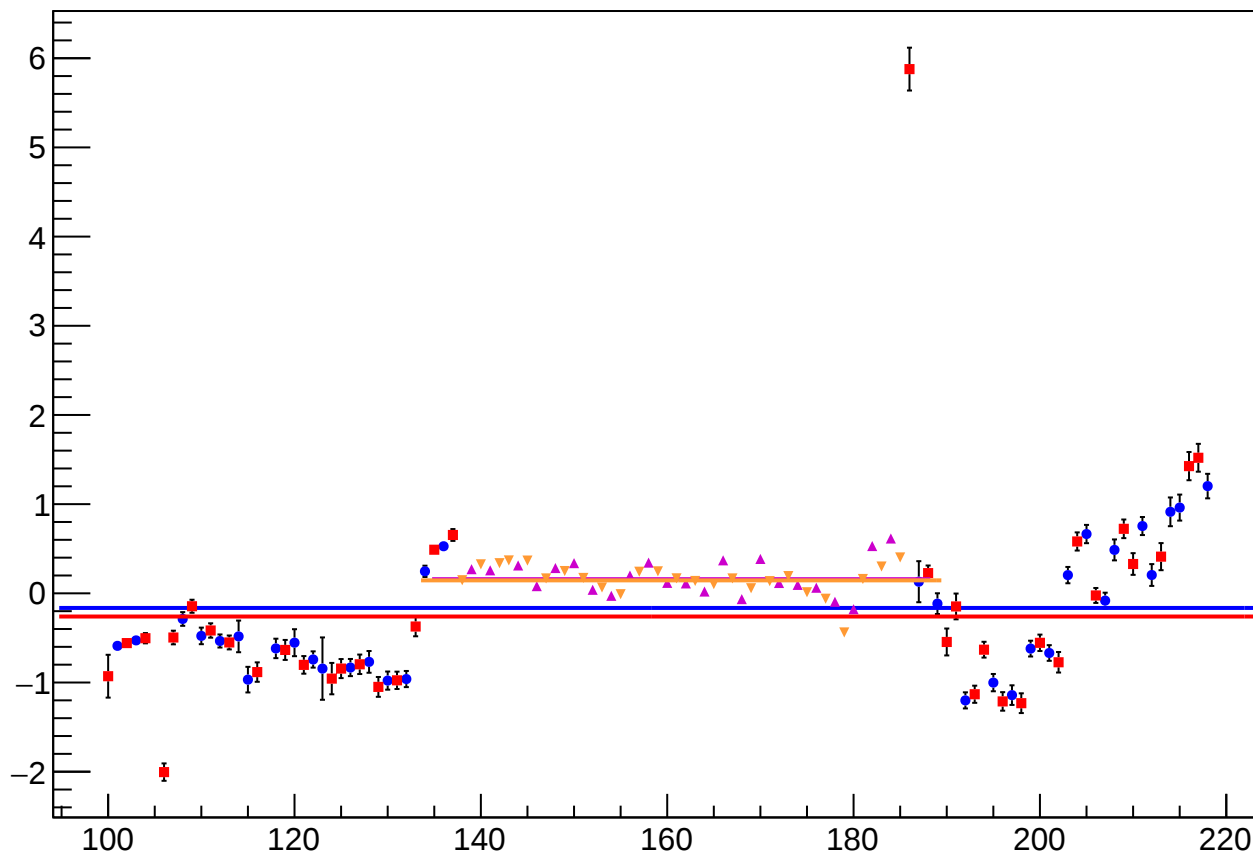
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.520 $\pm$ 0.088 χ^2 /NDF: 8503.8/57

All: 30.412 $\pm$ 0.063 χ^2 /NDF: 15975.5/116

- sign 30.300 $\pm$ 0.090 χ^2 /NDF: 7468.6/58

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: -0.260 ± 0.015 χ^2/NDF : 2619.0/35

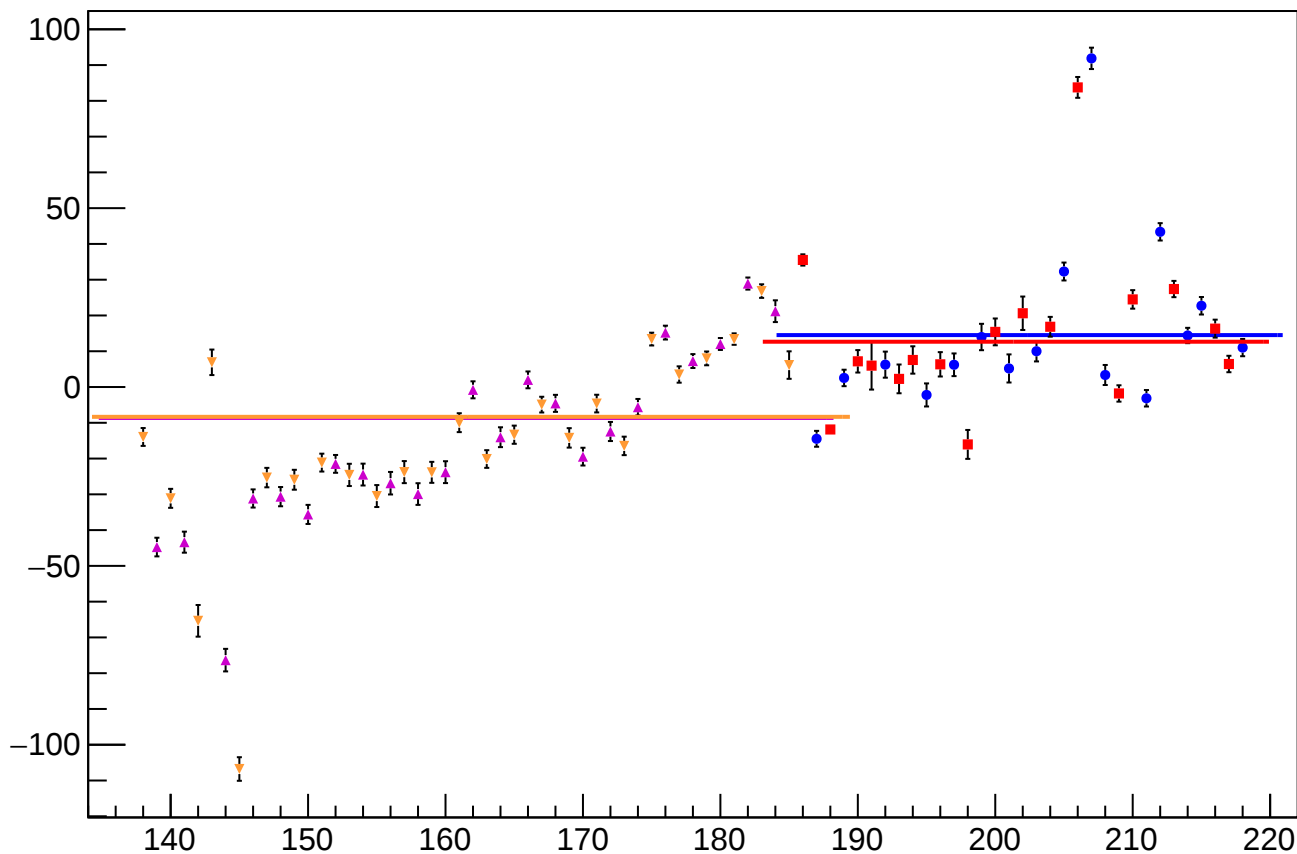
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.122 ± 0.004 χ^2/NDF : 3731.3/57

All: 0.125 ± 0.003 χ^2/NDF : 9072.6/116

- sign 0.127 ± 0.004 χ^2/NDF : 5340.5/58

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: 12.663 ± 0.608 $\chi^2/\text{NDF}: 1384.2/16$

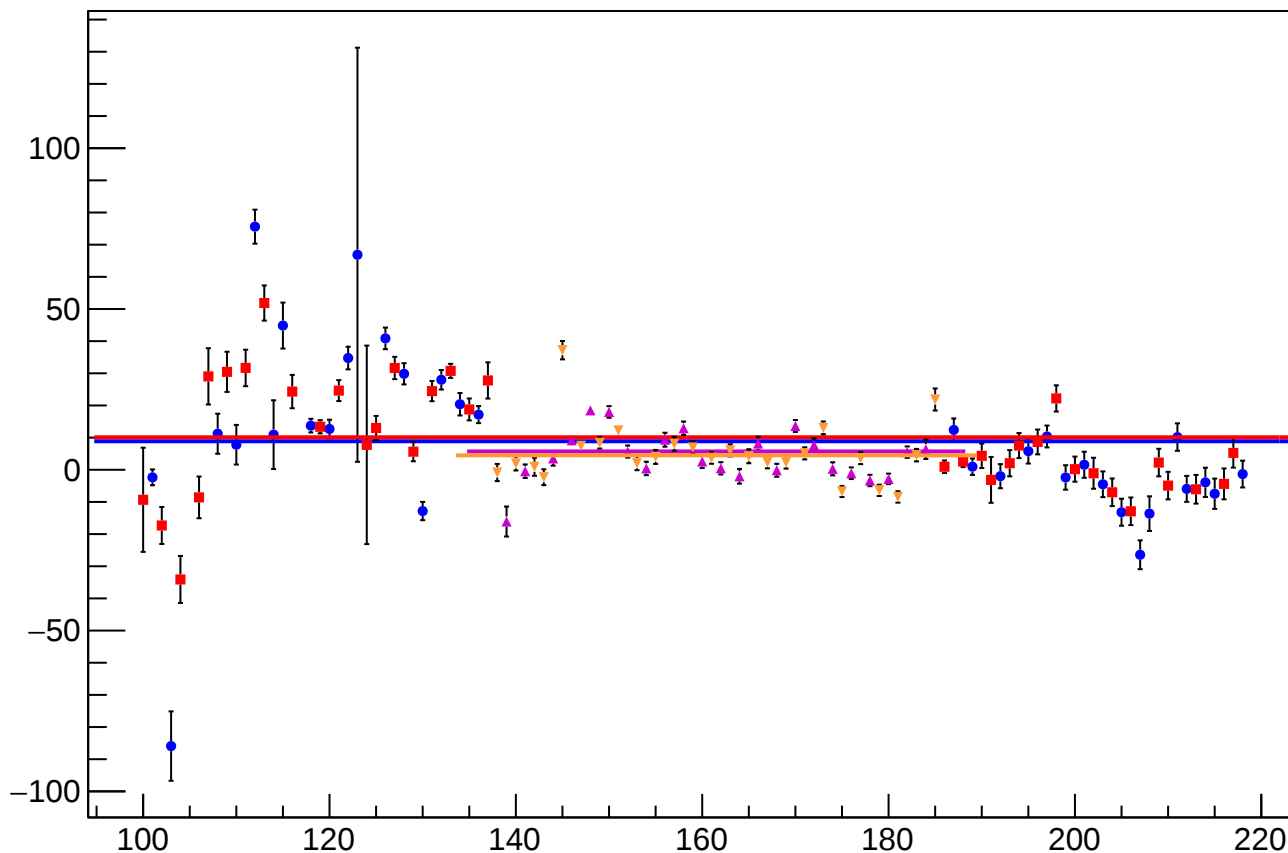
Left In: -8.652 ± 0.507 $\chi^2/\text{NDF}: 2223.8/22$

+ sign -0.145 ± 0.400 $\chi^2/\text{NDF}: 4170.4/40$

All: -0.021 ± 0.279 $\chi^2/\text{NDF}: 8503.6/80$

- sign 0.097 ± 0.389 $\chi^2/\text{NDF}: 4333.0/39$

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: 10.111 ± 0.614 χ^2/NDF : 510.1/35

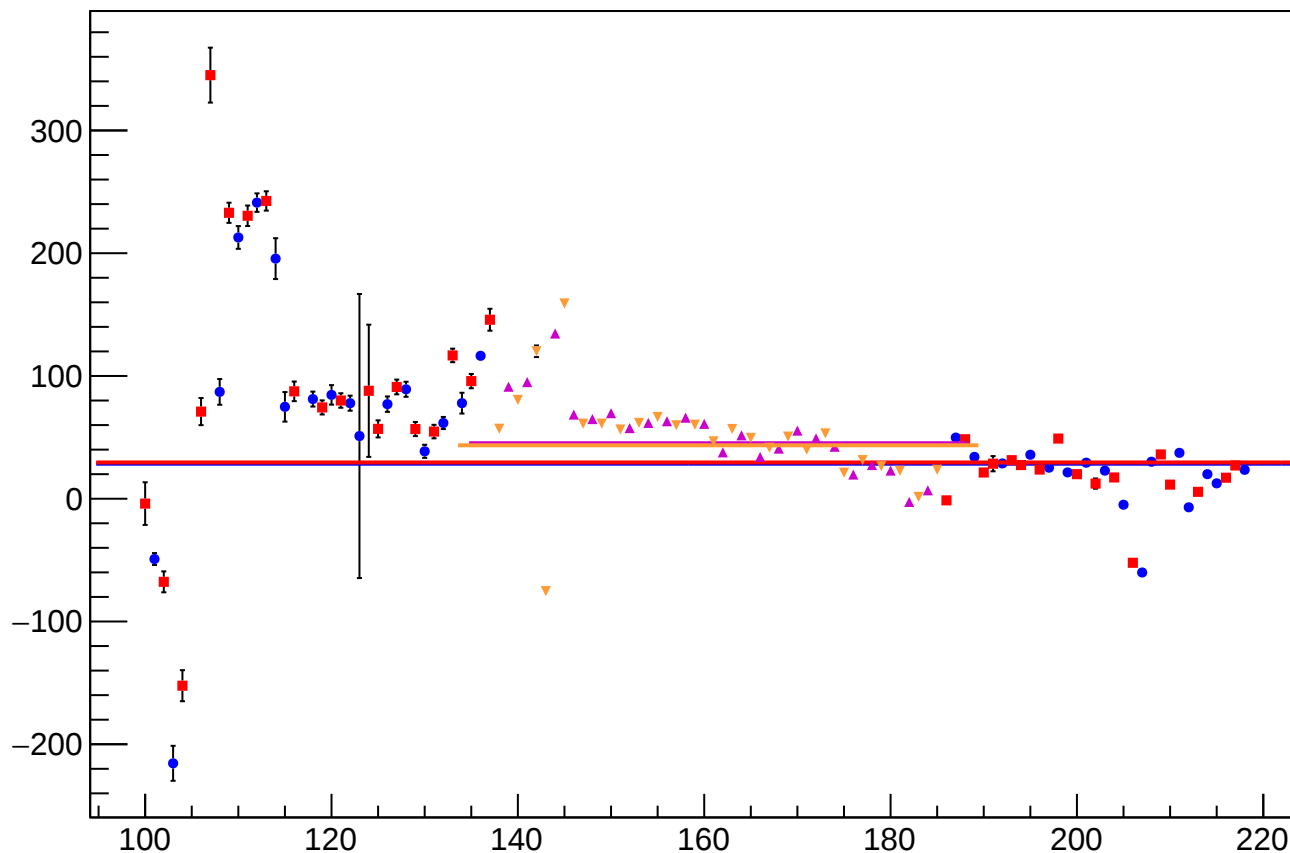
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.669 ± 0.335 χ^2/NDF : 1189.9/57

All: 6.347 ± 0.238 χ^2/NDF : 2068.2/116

- sign 7.036 ± 0.338 χ^2/NDF : 870.0/58

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 28.526+/-0.597 χ^2 /NDF: 4350.2/32

Left Out: 43.524+/-0.498 χ^2 /NDF:3830.7/24

Right Out: 29.545+/-0.524 χ^2 /NDF: 5466.8/35

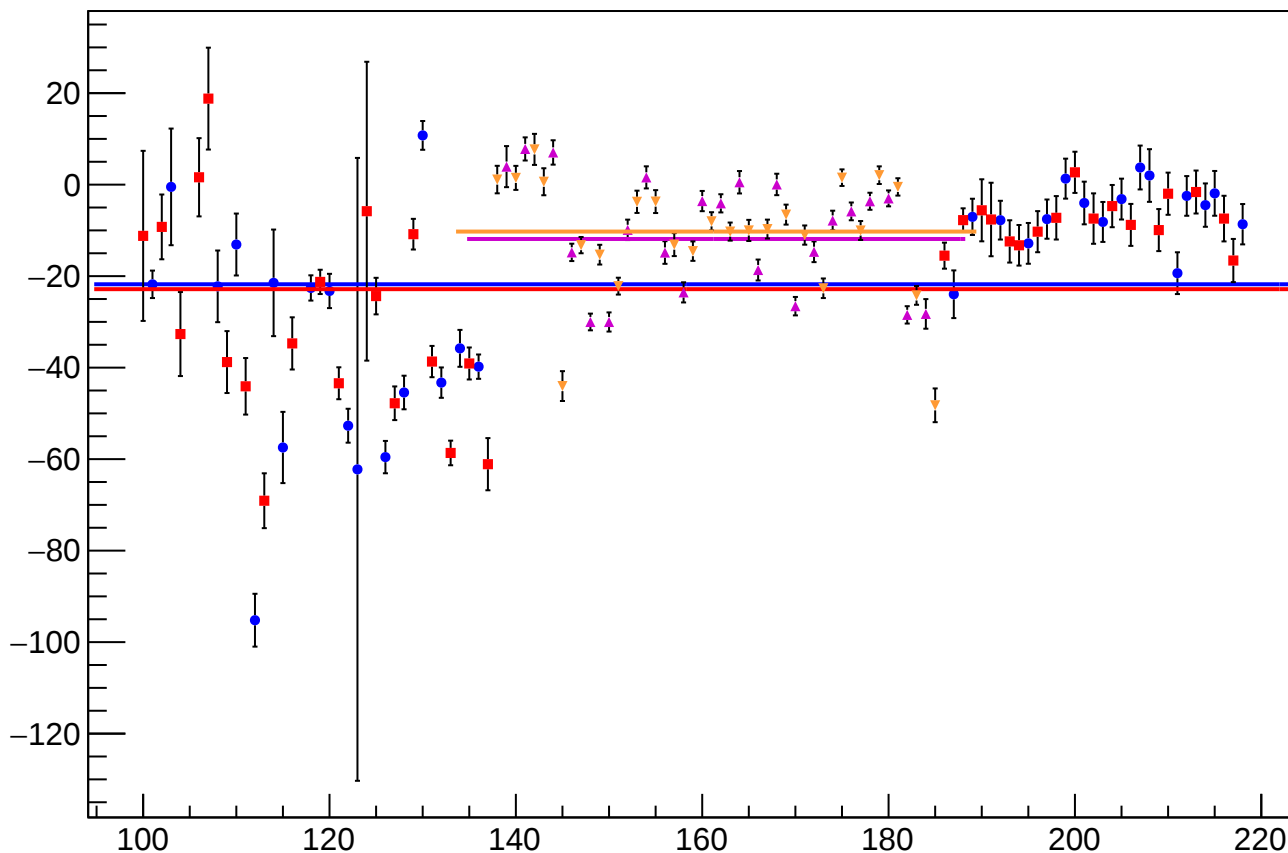
Left In: 45.211+/-0.504 χ^2 /NDF:3048.5/22

+ sign 37.366+/-0.383 χ^2 /NDF: 8552.7/57

All: 37.528+/-0.263 χ^2 /NDF: 17532.7/116

- sign 37.674+/-0.363 χ^2 /NDF: 8979.7/58

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: -22.848 ± 0.735 χ^2/NDF : 672.2/35

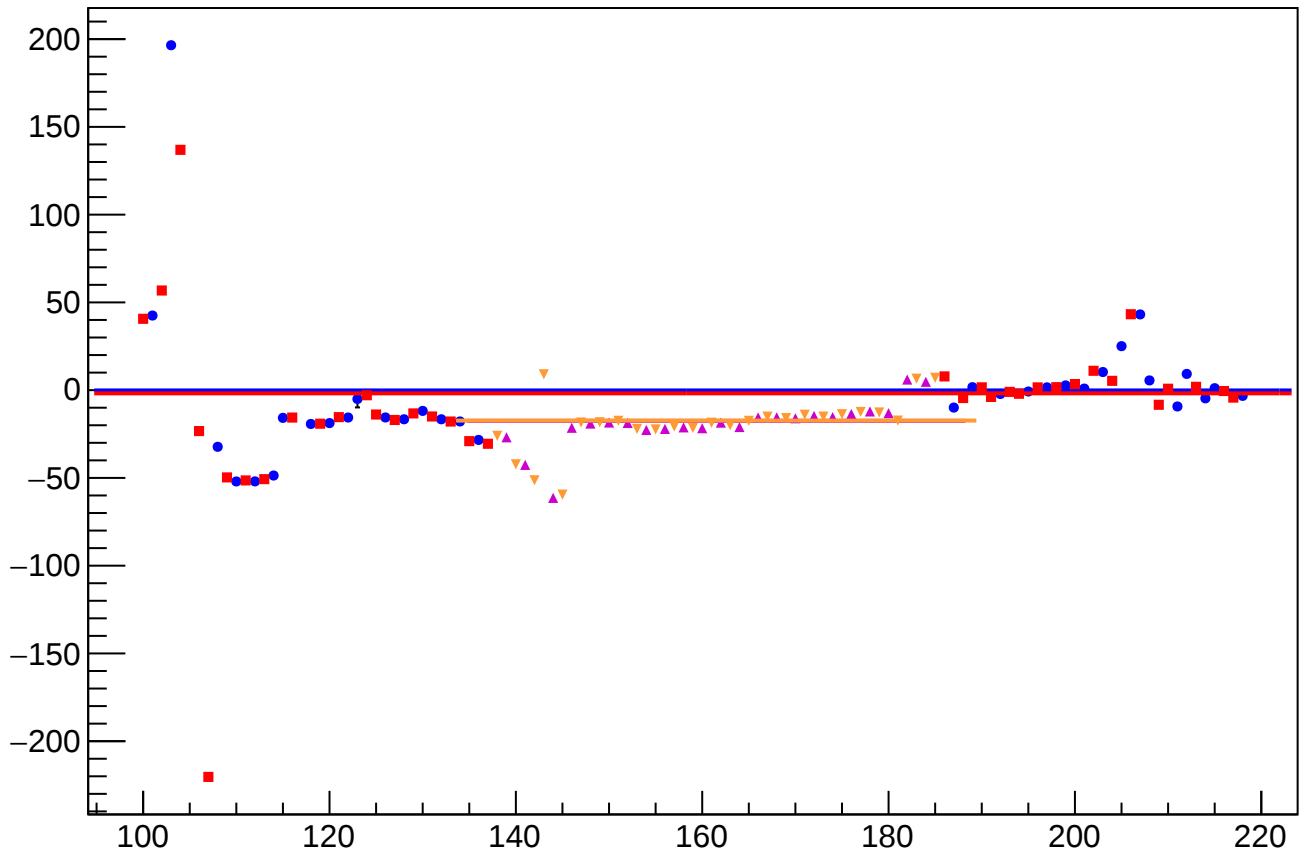
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.287 ± 0.381 χ^2/NDF : 1562.9/57

All: -14.095 ± 0.272 χ^2/NDF : 3071.5/116

- sign -14.929 ± 0.387 χ^2/NDF : 1499.5/58

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: -1.817 ± 0.034 χ^2/NDF : 672412.7/35

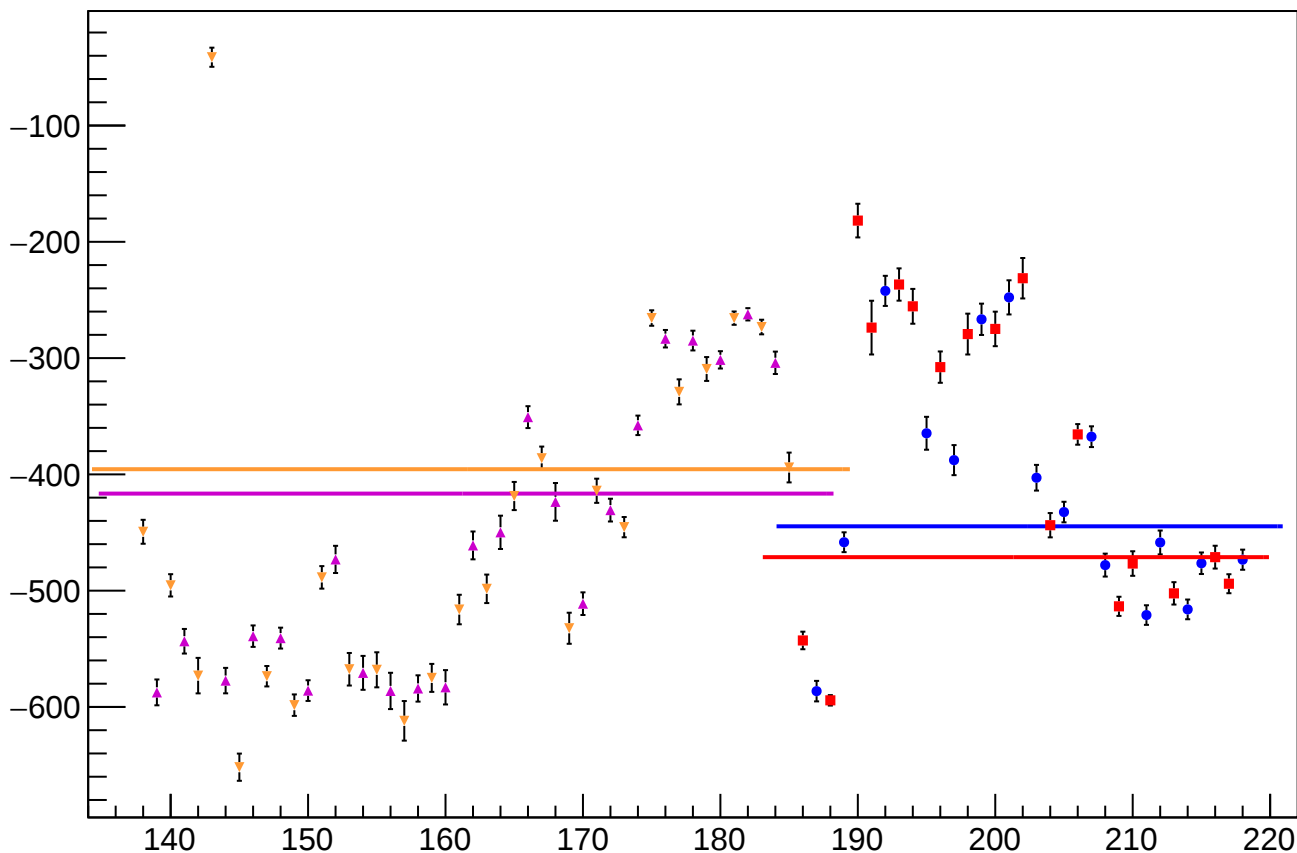
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -13.011 ± 0.018 χ^2/NDF : 1182048.2/57

All: -13.177 ± 0.013 χ^2/NDF : 2265886.2/116

- sign -13.345 ± 0.018 χ^2/NDF : 1083659.5/58

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: -471.183 ± 2.345 $\chi^2/\text{NDF}: 2634.0/16$

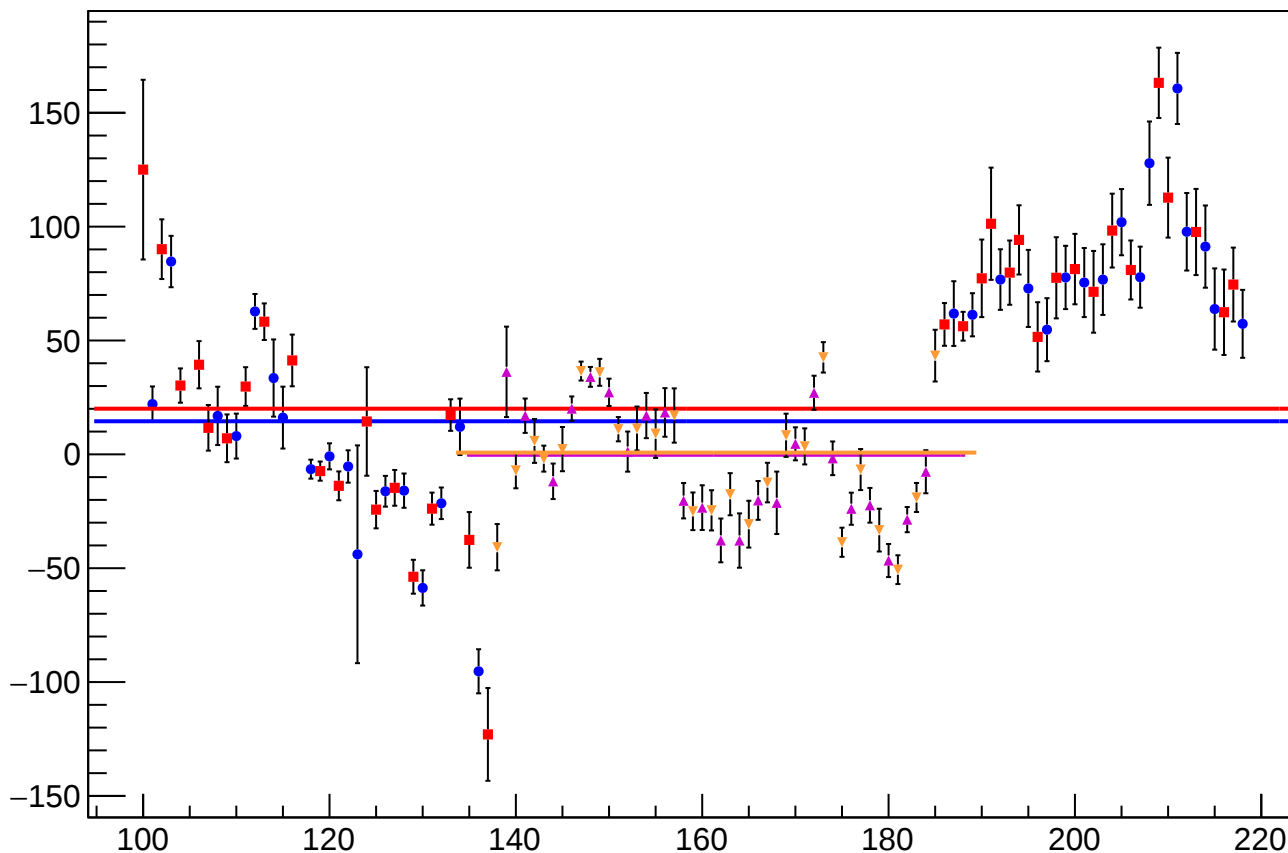
Left In: -416.521 ± 2.005 $\chi^2/\text{NDF}: 3917.0/22$

+ sign -414.169 ± 1.539 $\chi^2/\text{NDF}: 7377.1/40$

All: -427.016 ± 1.083 $\chi^2/\text{NDF}: 14380.0/80$

- sign -439.606 ± 1.524 $\chi^2/\text{NDF}: 6865.0/39$

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: 20.050 ± 1.657 $\chi^2/\text{NDF}: 742.5/35$

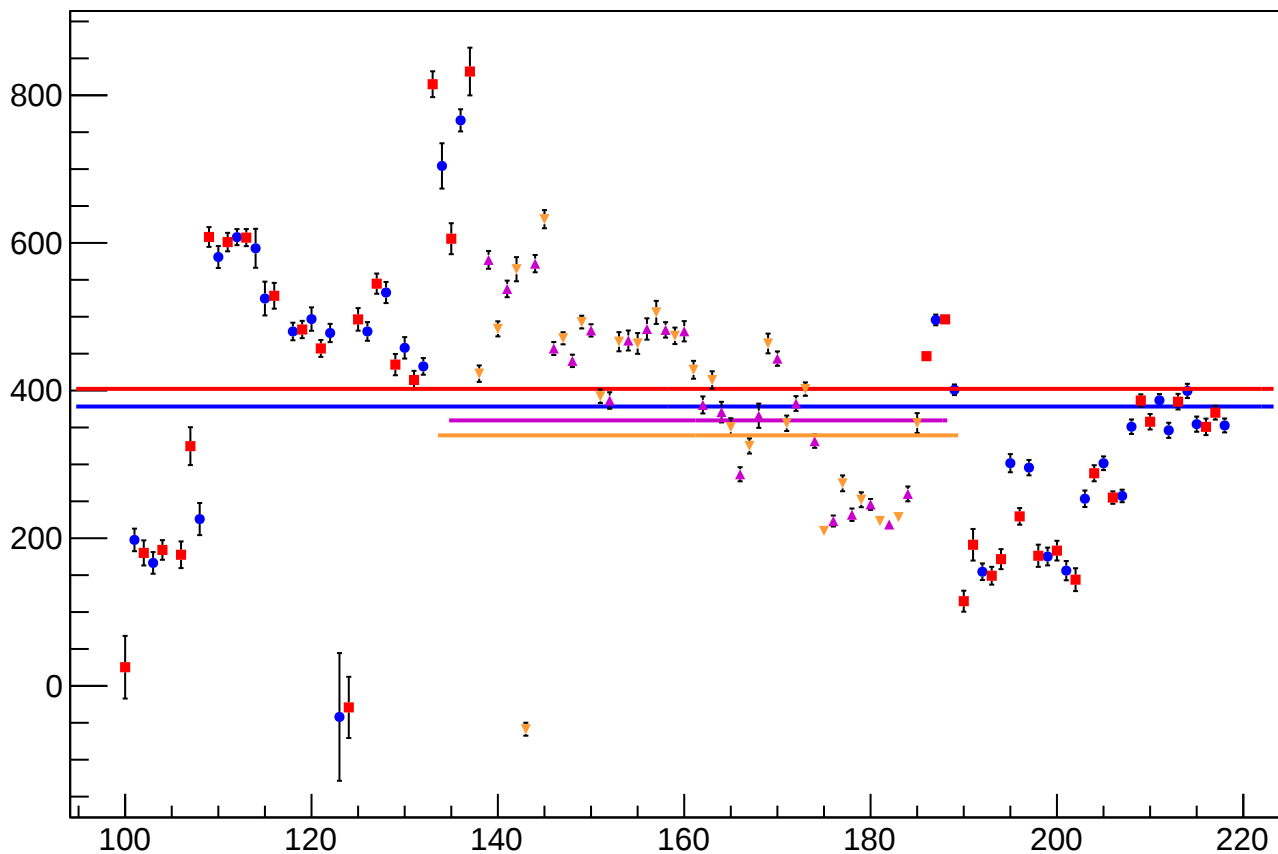
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 6.793 ± 1.127 $\chi^2/\text{NDF}: 1164.5/57$

All: 8.086 ± 0.802 $\chi^2/\text{NDF}: 2249.0/116$

- sign 9.413 ± 1.142 $\chi^2/\text{NDF}: 1081.8/58$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 378.410 ± 2.009 $\chi^2/\text{NDF}: 4142.8/32$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 402.323 ± 1.826 $\chi^2/\text{NDF}: 6144.5/35$

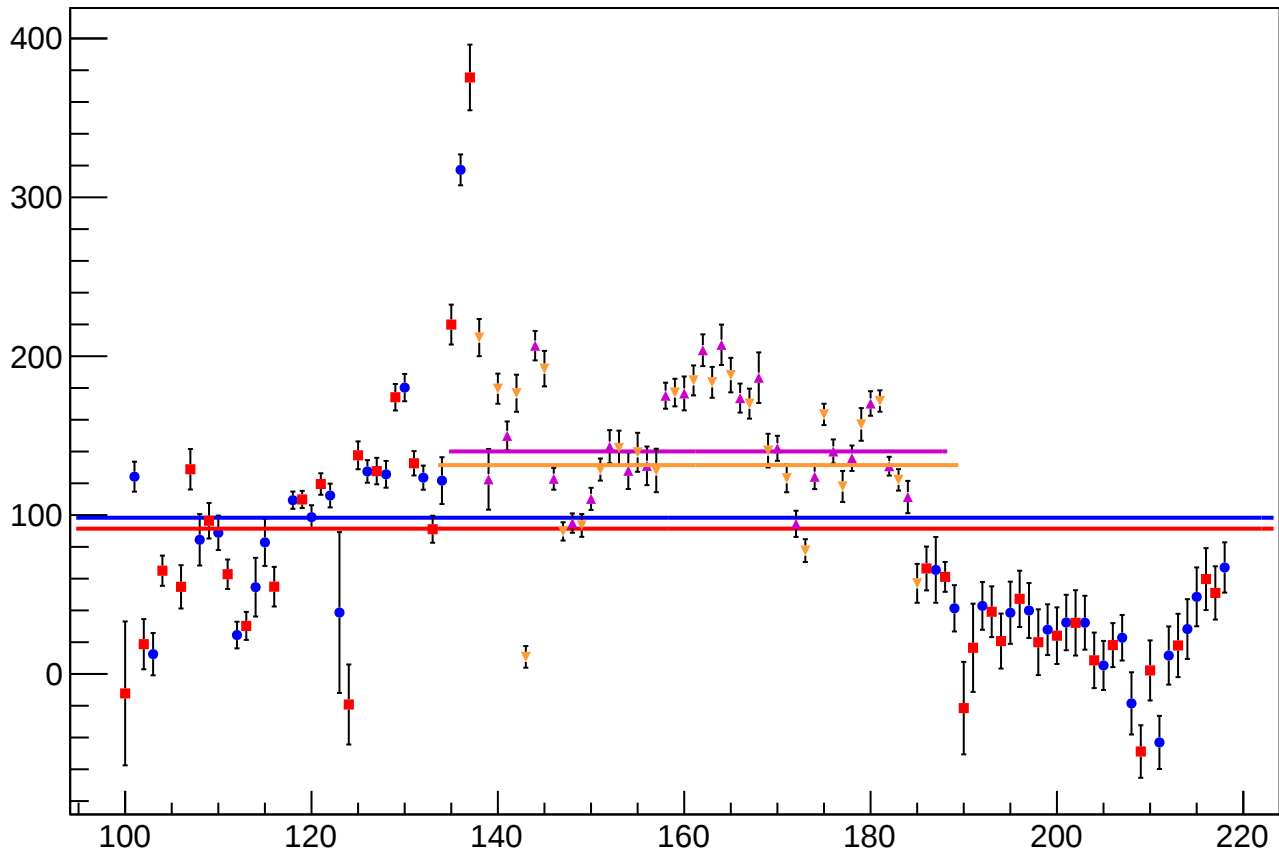
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 358.426 ± 1.404 $\chi^2/\text{NDF}: 9838.7/57$

All: 371.161 ± 0.973 $\chi^2/\text{NDF}: 19788.4/116$

- sign 382.928 ± 1.349 $\chi^2/\text{NDF}: 9791.4/58$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.336 $\pm$ 1.972 χ^2/NDF : 1102.8/32

Left Out: 131.464 $\pm$ 1.728 χ^2/NDF : 809.3/24

Right Out: 91.463 $\pm$ 1.939 χ^2/NDF : 903.7/35

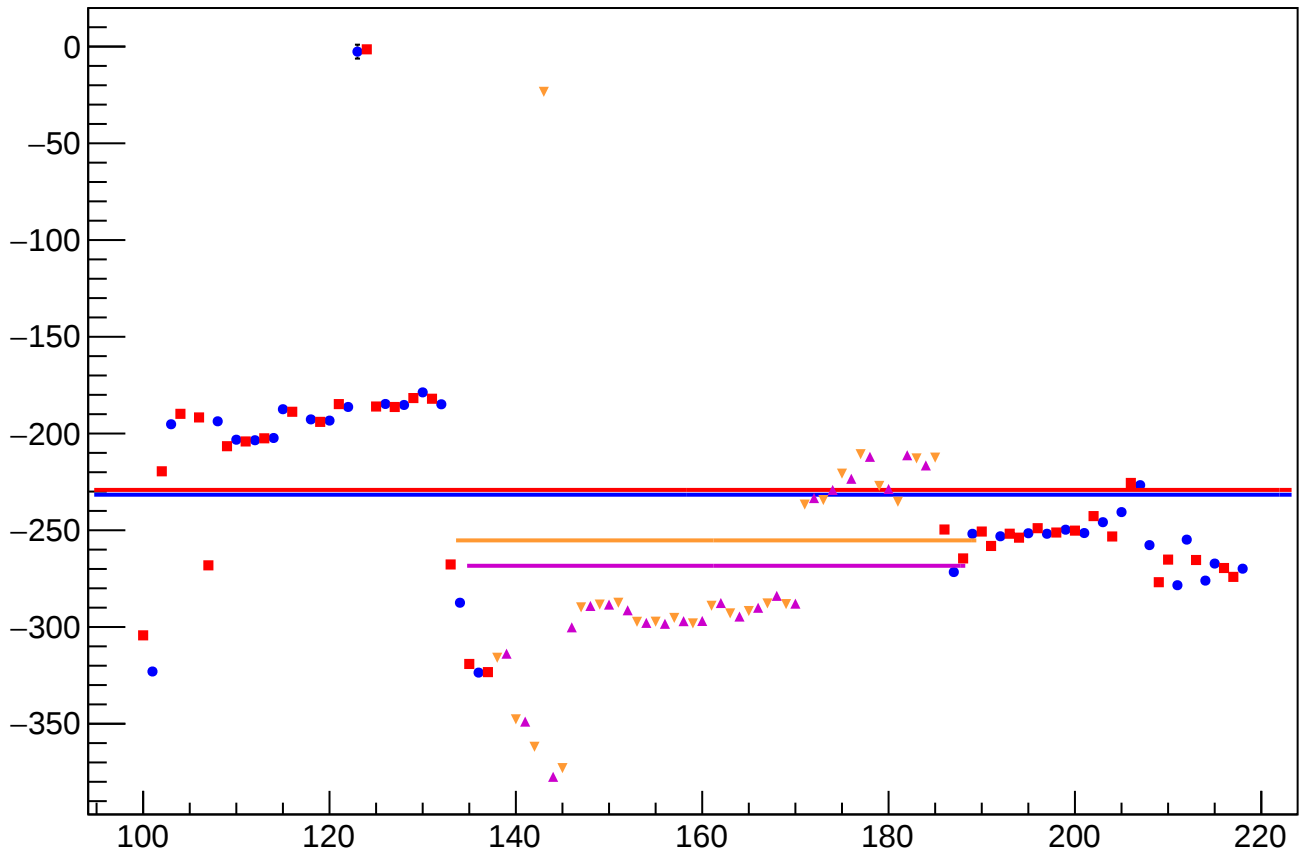
Left In: 140.069 $\pm$ 1.795 χ^2/NDF : 316.5/22

+ sign 117.082 $\pm$ 1.300 χ^2/NDF : 2071.8/57

All: 117.358 $\pm$ 0.925 χ^2/NDF : 3630.4/116

- sign 117.641 $\pm$ 1.317 χ^2/NDF : 1558.5/58

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: -229.139 ± 0.100 χ^2/NDF : 159998.6/35

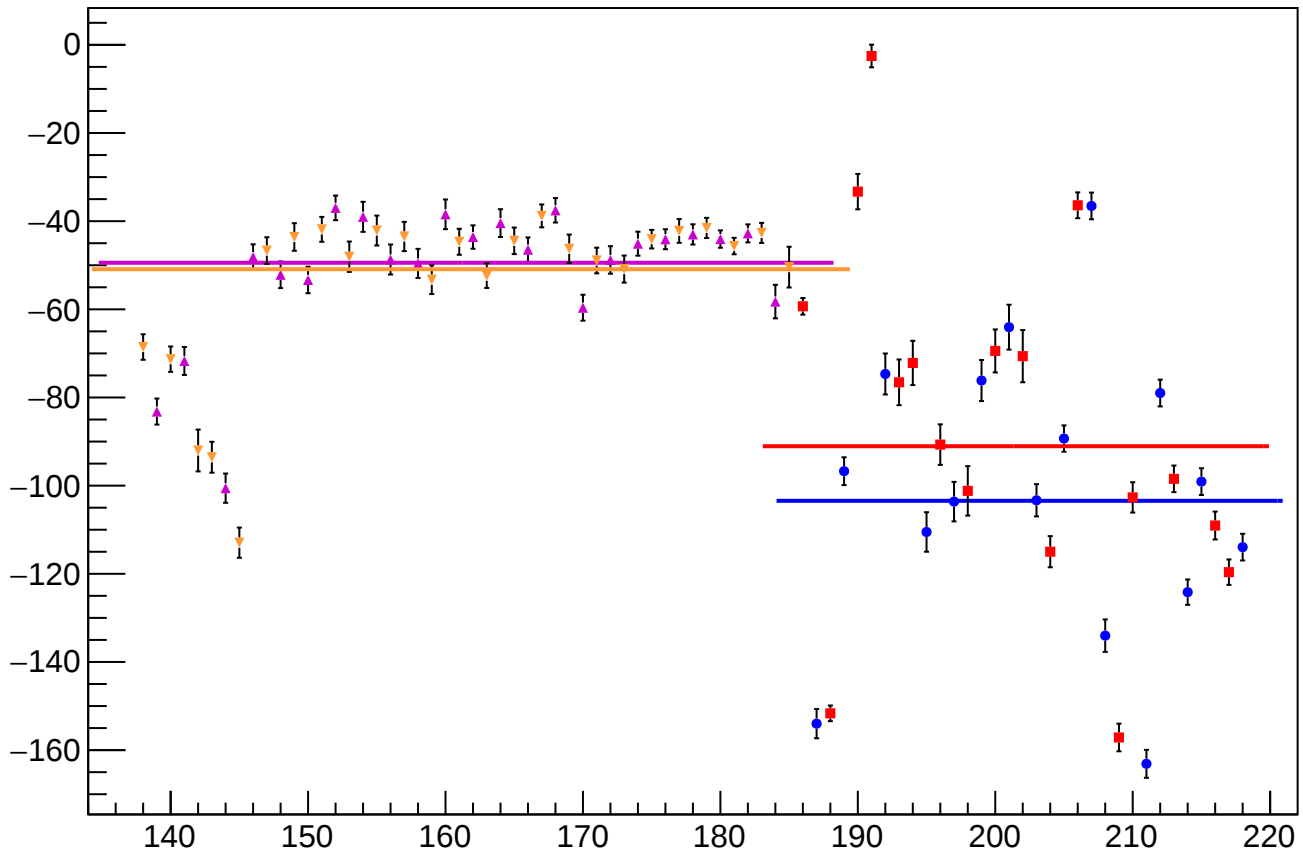
Left In: -268.353 ± 0.084 χ^2/NDF : 262479.3/22

+ sign -246.248 ± 0.065 χ^2/NDF : 938073.0/57

All: -249.281 ± 0.046 χ^2/NDF : 1455040.6/11

- sign -252.288 ± 0.064 χ^2/NDF : 512567.8/58

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: -91.058 ± 0.756 $\chi^2/\text{NDF}: 3880.3/16$

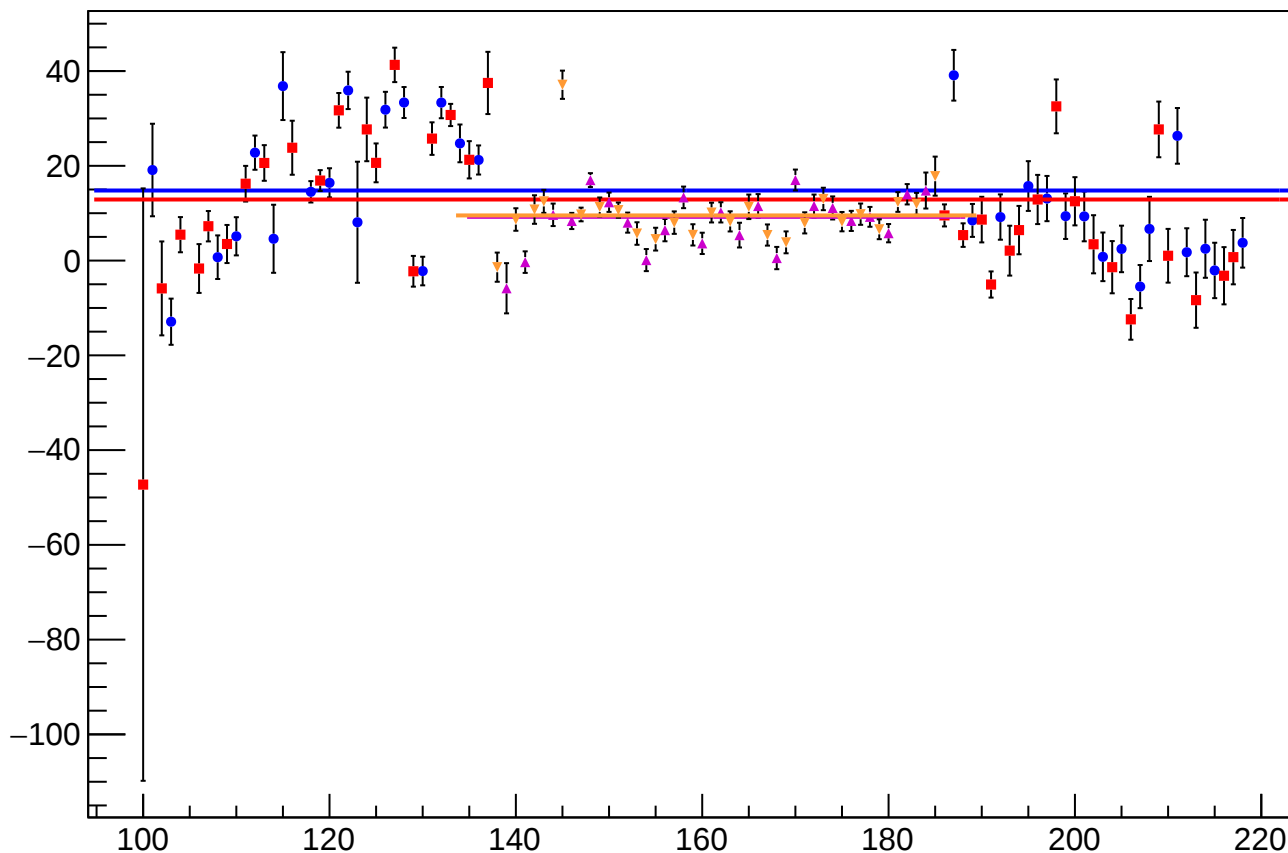
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -66.915 ± 0.478 $\chi^2/\text{NDF}: 4761.1/40$

All: -65.919 ± 0.332 $\chi^2/\text{NDF}: 11092.2/80$

- sign -64.987 ± 0.462 $\chi^2/\text{NDF}: 6322.7/39$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 14.791 $\pm$ 0.742 χ^2 /NDF: 310.2/32

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF:134.4/24

Right Out: 12.890 $\pm$ 0.659 χ^2 /NDF: 396.6/35

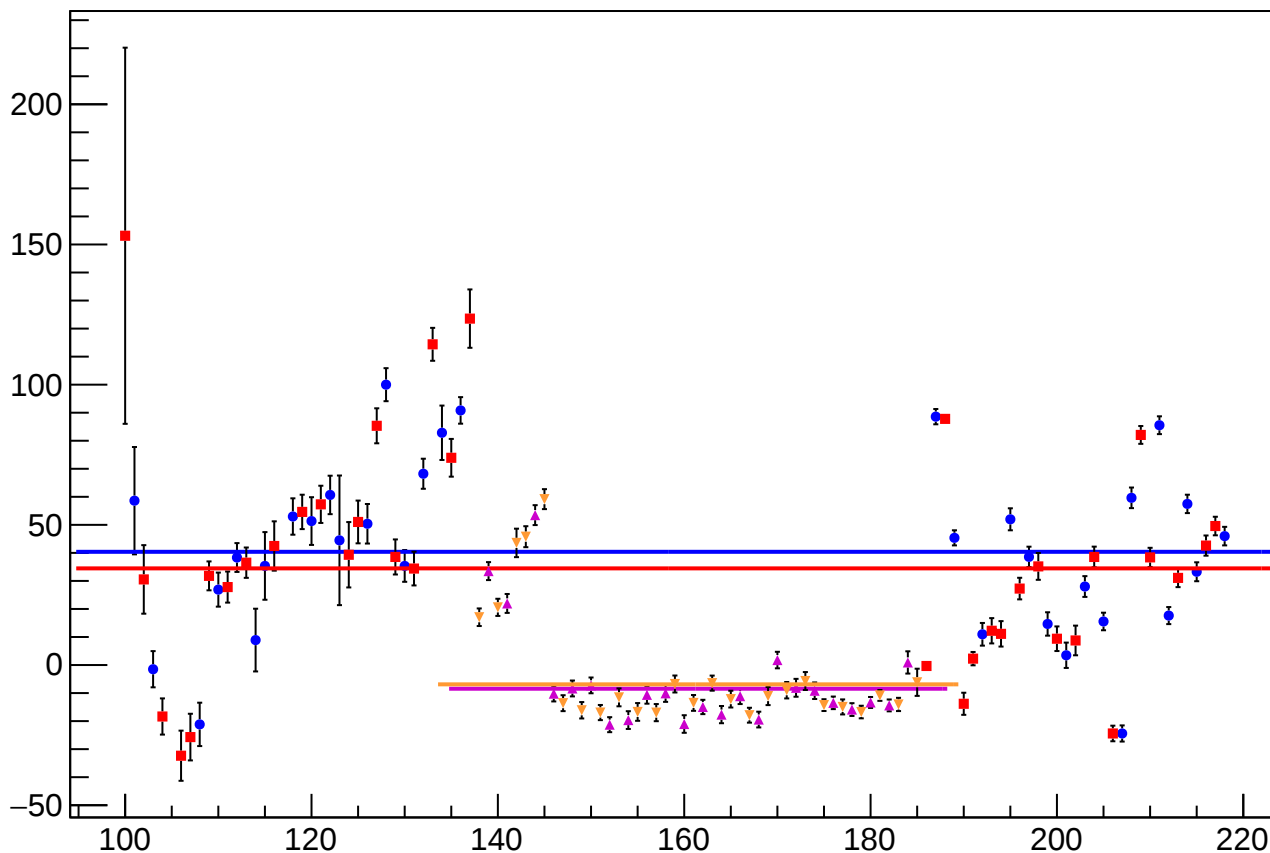
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF:124.0/22

+ sign 10.926 $\pm$ 0.382 χ^2 /NDF: 481.5/57

All: 10.678 $\pm$ 0.269 χ^2 /NDF: 1023.6/116

- sign 10.436 $\pm$ 0.378 χ^2 /NDF: 541.3/58

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: 34.472+/-0.633 χ^2/NDF : 3624.4/35

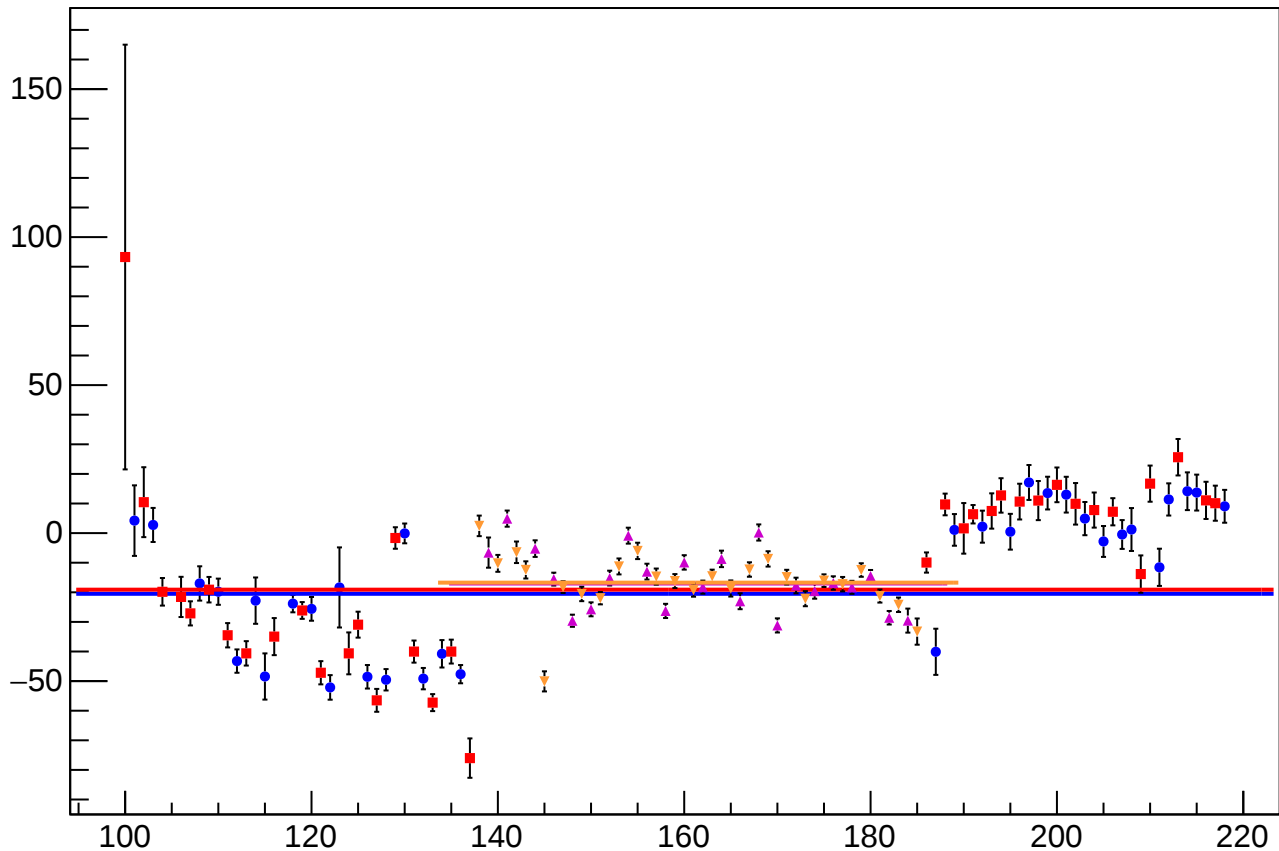
Left In: -8.451+/-0.580 χ^2/NDF : 688.9/22

+ sign 10.491+/-0.454 χ^2/NDF : 5215.0/57

All: 10.835+/-0.311 χ^2/NDF : 12030.5/116

- sign 11.139+/-0.427 χ^2/NDF : 6814.5/58

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -20.502 ± 0.848 χ^2/NDF : 785.2/32

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -19.108 ± 0.777 χ^2/NDF : 1038.1/35

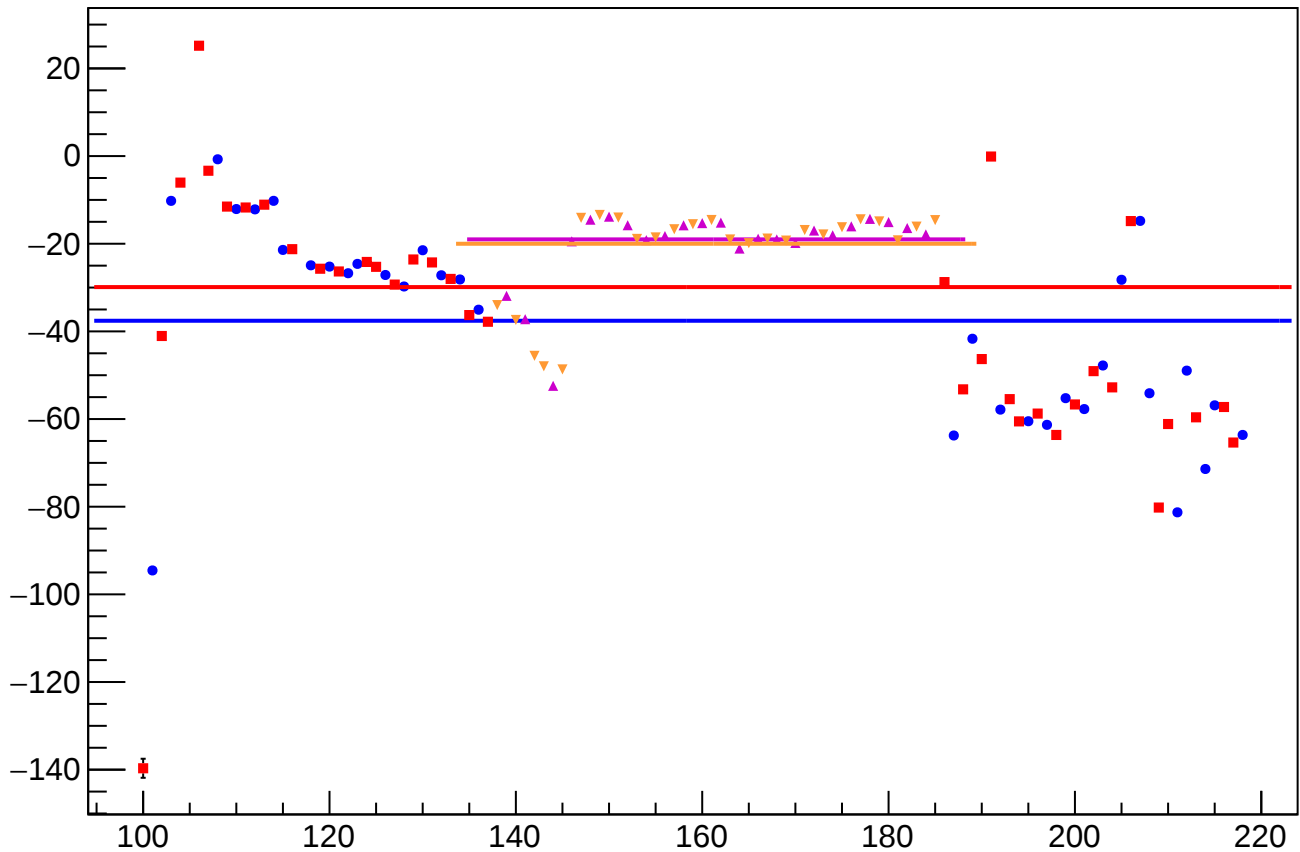
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -17.724 ± 0.435 χ^2/NDF : 1023.1/57

All: -17.698 ± 0.307 χ^2/NDF : 2393.8/116

- sign -17.671 ± 0.433 χ^2/NDF : 1370.7/58

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: -29.892 ± 0.036 $\chi^2/\text{NDF}: 485899.5/35$

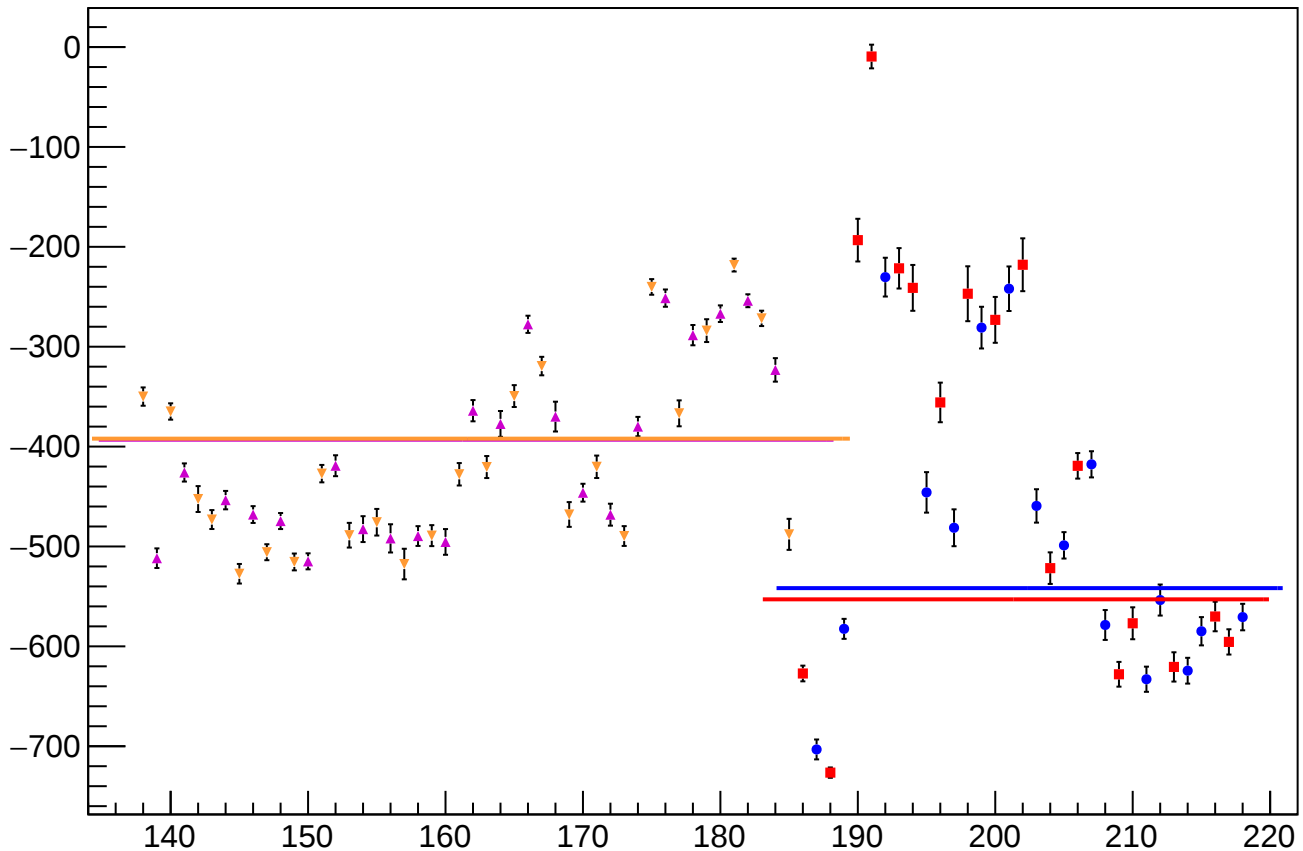
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -24.398 ± 0.020 $\chi^2/\text{NDF}: 553671.6/57$

All: -23.337 ± 0.014 $\chi^2/\text{NDF}: 1200223.3/116$

- sign -22.322 ± 0.020 $\chi^2/\text{NDF}: 641139.3/58$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -541.712 $\pm$ 3.555 χ^2 /NDF: 1144.8/15

Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF: 2717.2/24

Right Out: -552.938 $\pm$ 3.011 χ^2 /NDF: 4766.2/16

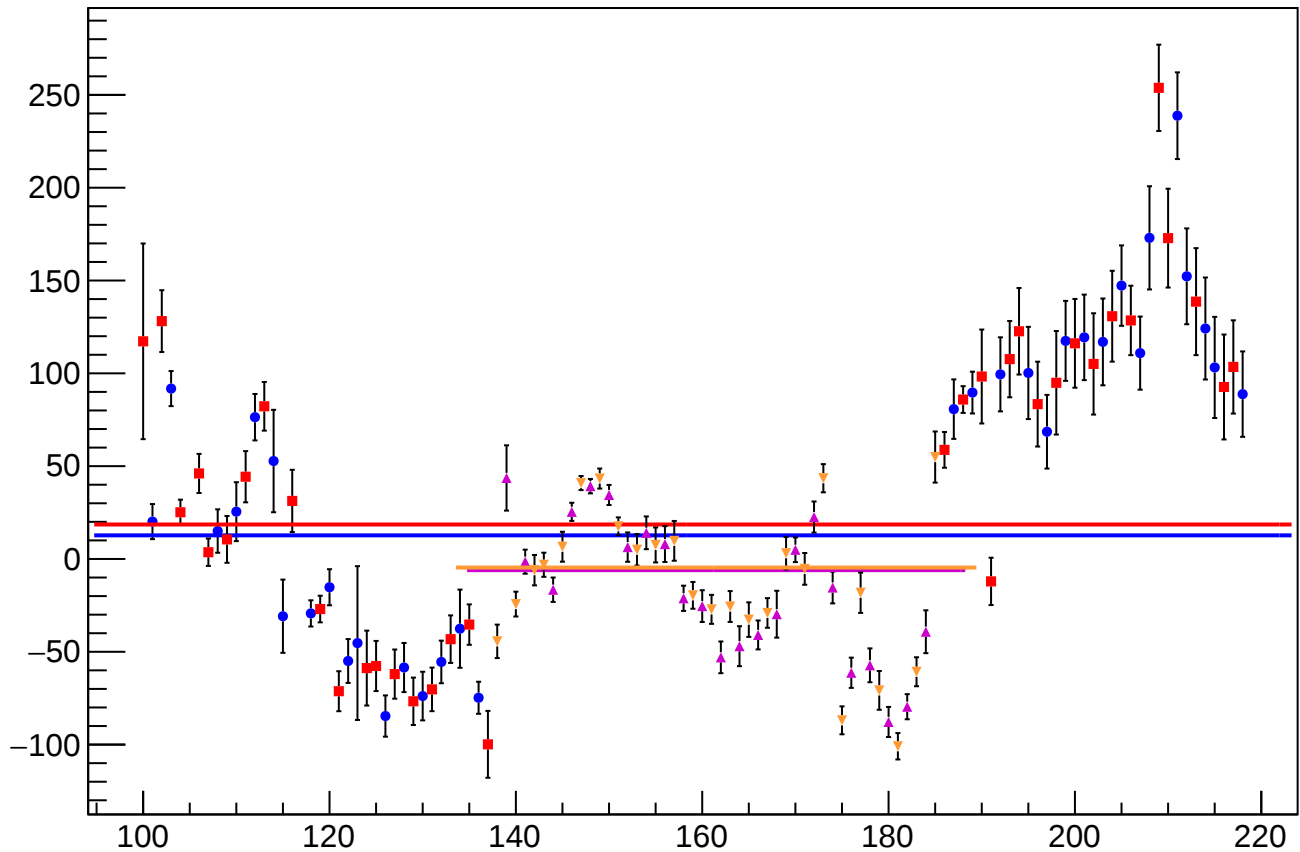
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF: 2253.3/22

+ sign -427.117 $\pm$ 1.721 χ^2 /NDF: 5218.8/40

All: -434.906 $\pm$ 1.198 χ^2 /NDF: 14229.8/80

- sign -442.233 $\pm$ 1.669 χ^2 /NDF: 8971.3/39

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 12.725 ± 2.473 $\chi^2/\text{NDF}: 902.8/32$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 18.571 ± 2.199 $\chi^2/\text{NDF}: 913.0/35$

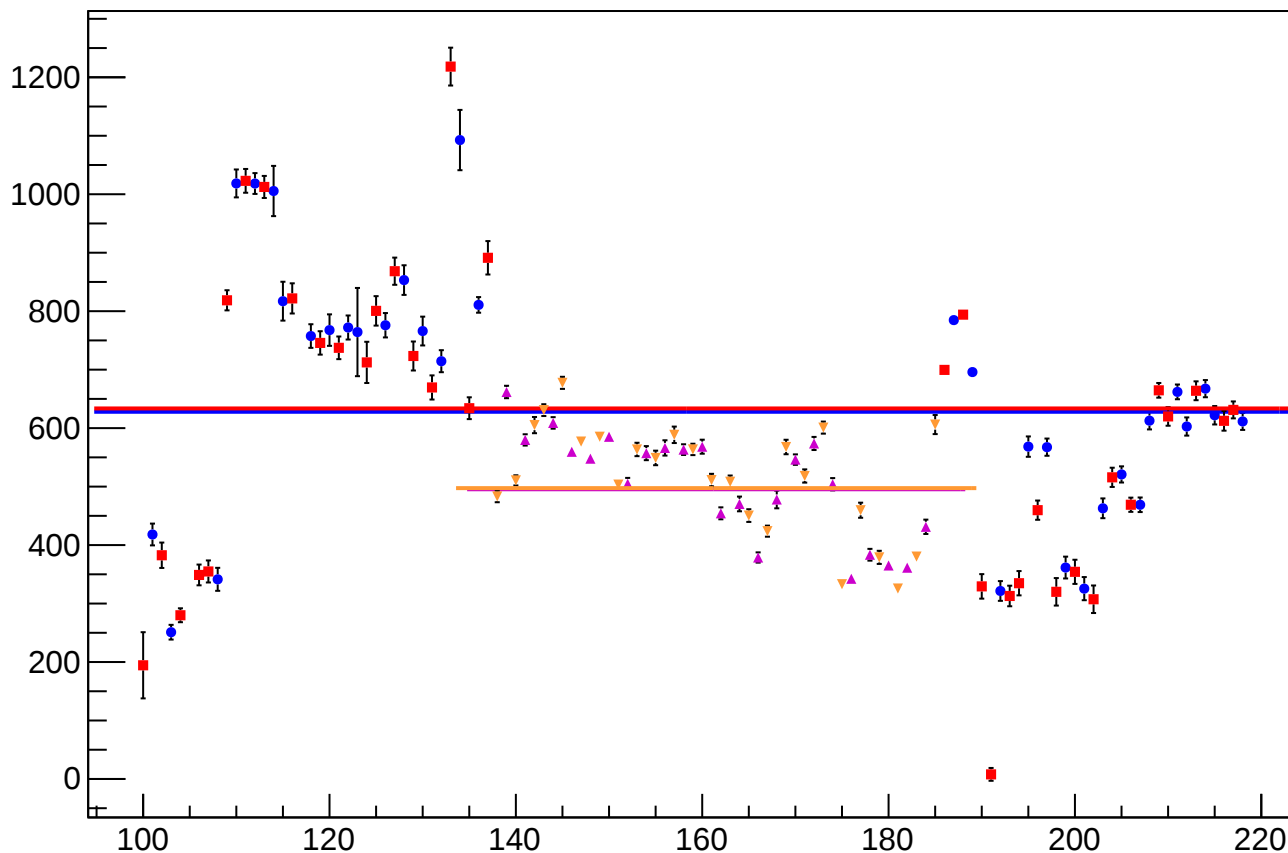
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign -0.130 ± 1.259 $\chi^2/\text{NDF}: 1712.2/57$

All: 0.895 ± 0.886 $\chi^2/\text{NDF}: 3365.3/116$

- sign 1.904 ± 1.248 $\chi^2/\text{NDF}: 1651.8/58$

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: 633.649 $\pm$ 2.319 χ^2 /NDF: 9634.0/35

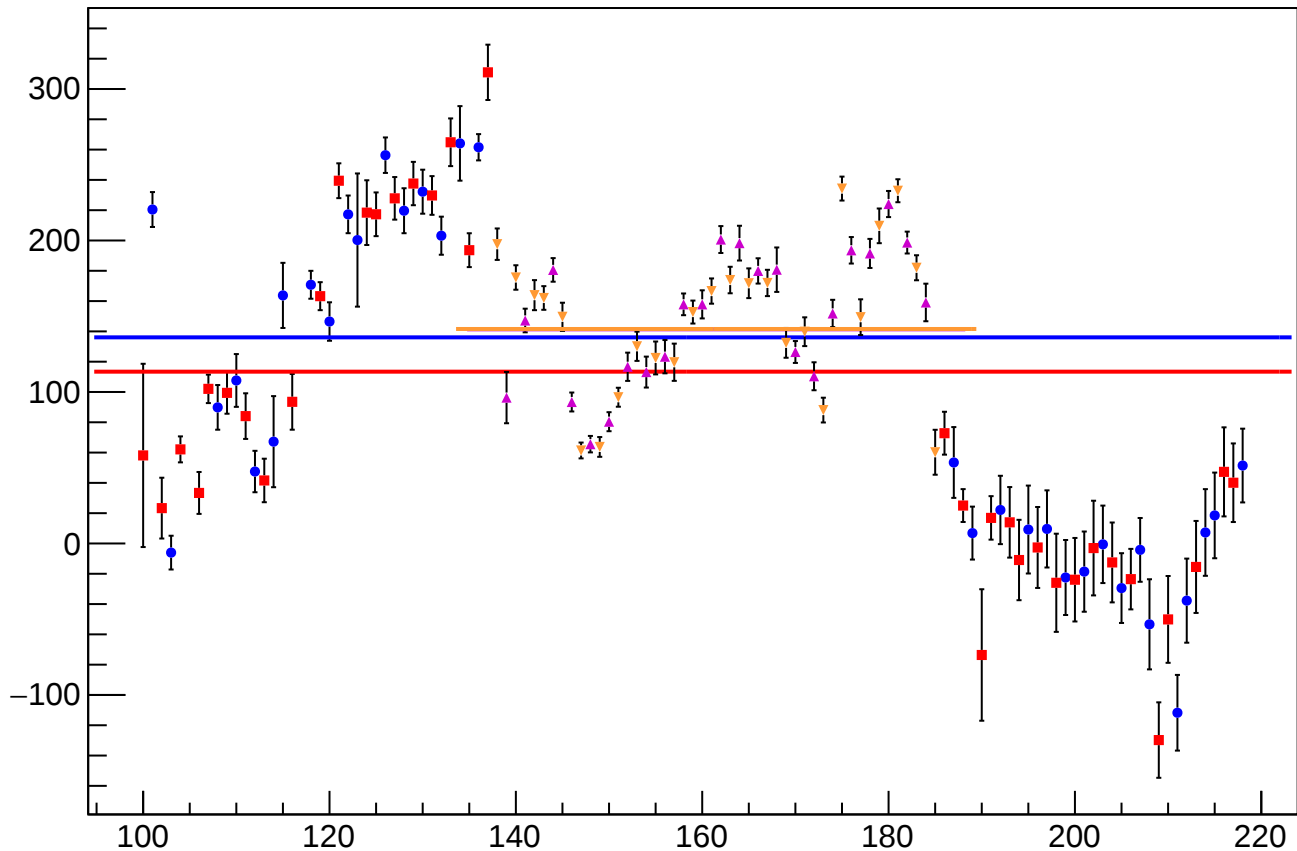
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 540.745 $\pm$ 1.607 χ^2 /NDF: 8311.8/57

All: 547.854 $\pm$ 1.101 χ^2 /NDF: 22280.0/116

- sign 554.140 $\pm$ 1.511 χ^2 /NDF: 13931.3/58

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: 113.412 $\pm$ 2.625 χ^2 /NDF: 1317.3/35

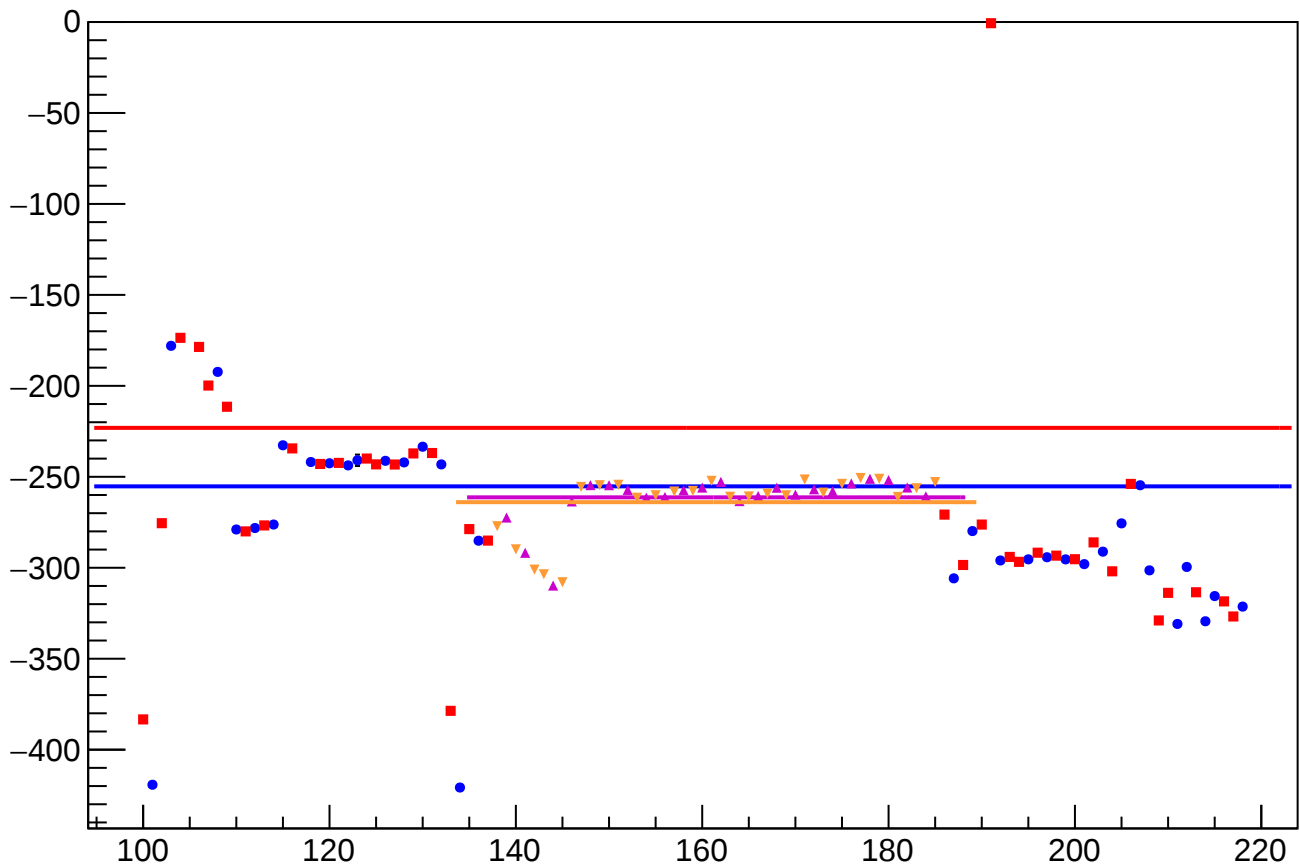
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF:741.2/22

+ sign 140.153 $\pm$ 1.461 χ^2 /NDF: 2309.5/57

All: 136.448 $\pm$ 1.031 χ^2 /NDF: 4459.3/116

- sign 132.775 $\pm$ 1.455 χ^2 /NDF: 2137.0/58

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: -223.097 ± 0.121 χ^2/NDF : 518307.2/35

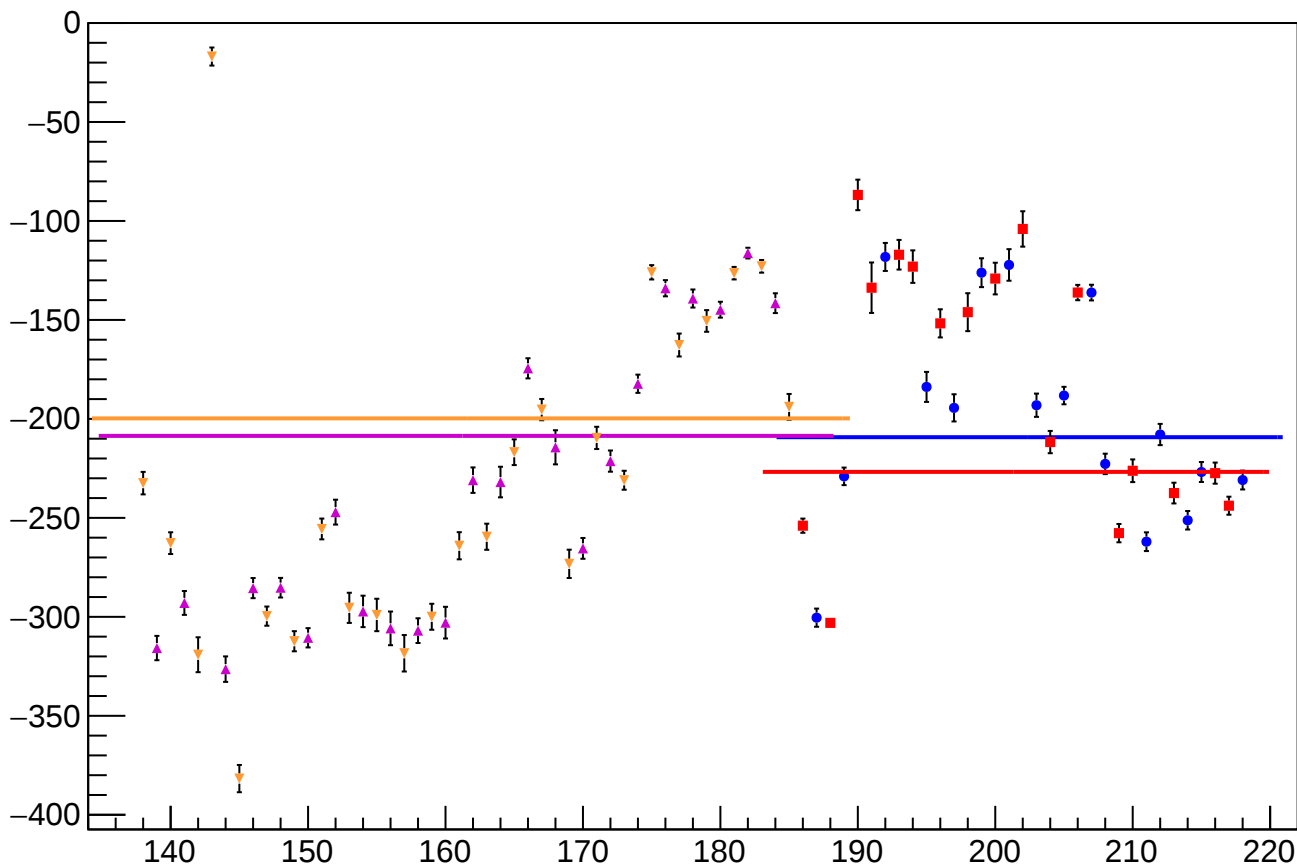
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -261.600 ± 0.069 χ^2/NDF : 251381.2/57

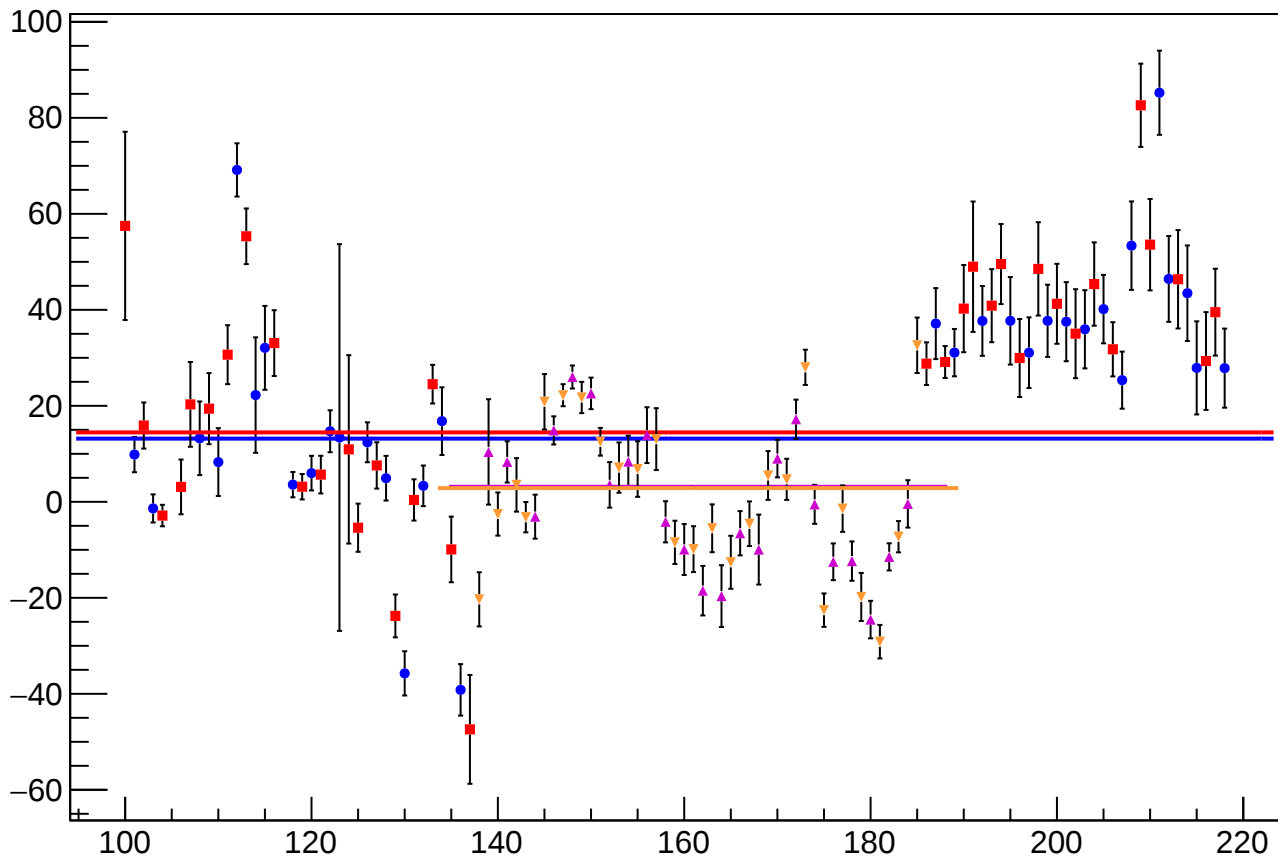
All: -255.276 ± 0.049 χ^2/NDF : 877700.9/116

- sign -249.242 ± 0.068 χ^2/NDF : 610108.1/58

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 13.169 ± 0.957 $\chi^2/\text{NDF}: 576.5/32$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 14.465 ± 0.907 $\chi^2/\text{NDF}: 533.0/35$

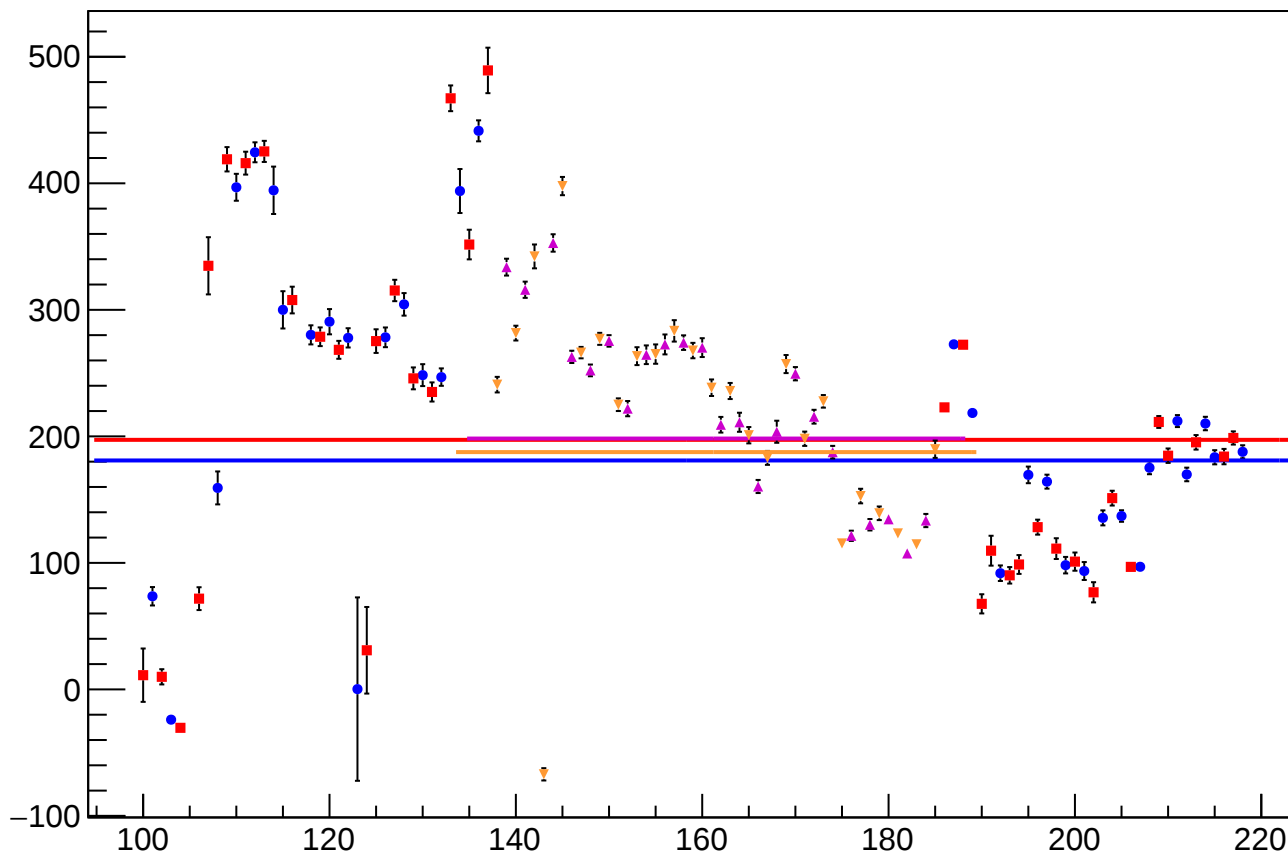
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 7.222 ± 0.623 $\chi^2/\text{NDF}: 1063.3/57$

All: 7.850 ± 0.440 $\chi^2/\text{NDF}: 2000.7/116$

- sign 8.478 ± 0.623 $\chi^2/\text{NDF}: 935.3/58$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 180.949 $\pm$ 1.060 χ^2 /NDF: 8771.9/32

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 197.245 $\pm$ 0.961 χ^2 /NDF: 12149.8/35

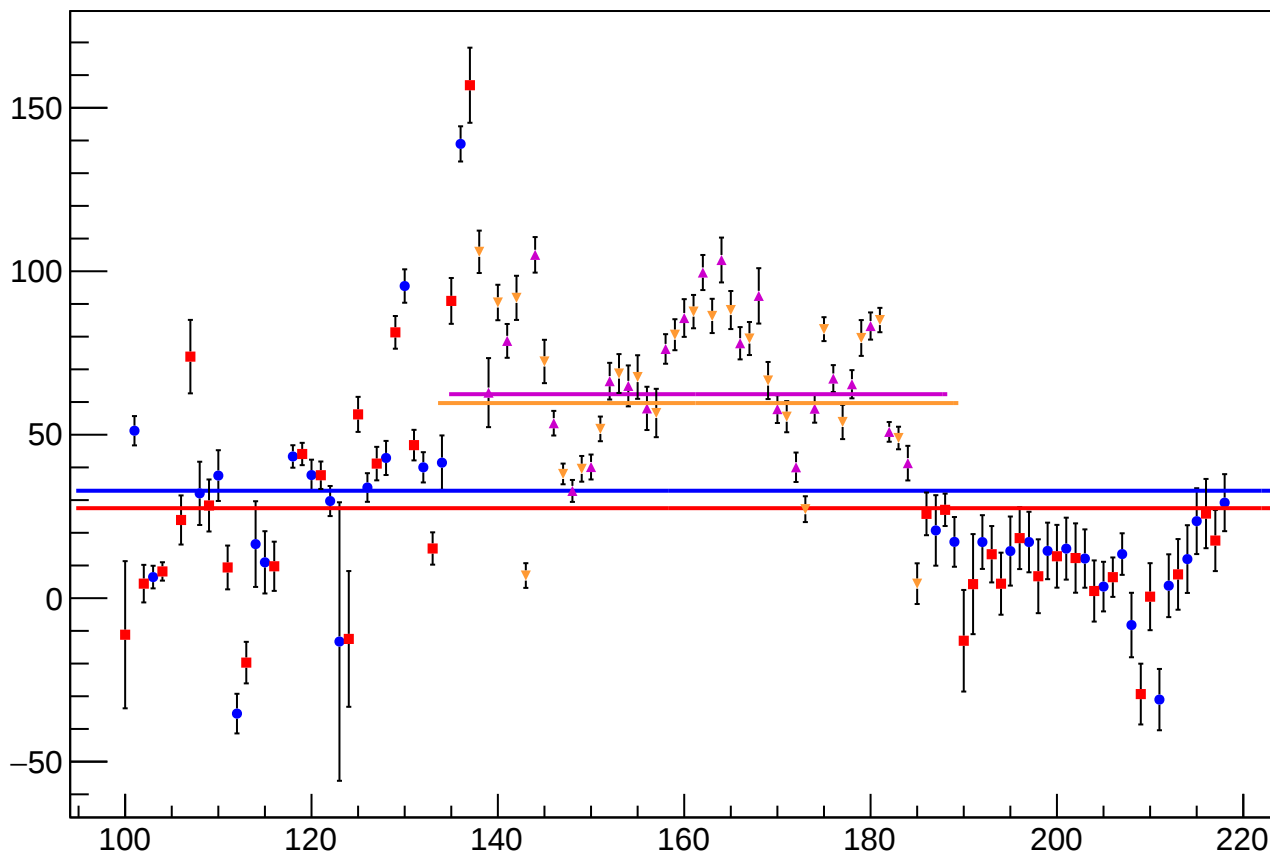
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 184.239 $\pm$ 0.752 χ^2 /NDF: 15873.3/57

All: 191.274 $\pm$ 0.519 χ^2 /NDF: 32706.9/116

- sign 197.697 $\pm$ 0.718 χ^2 /NDF: 16666.0/58

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 32.865 $\pm$ 1.111 χ^2 /NDF: 897.3/32

Left Out: 59.682 $\pm$ 0.941 χ^2 /NDF: 757.6/24

Right Out: 27.530 $\pm$ 1.077 χ^2 /NDF: 663.3/35

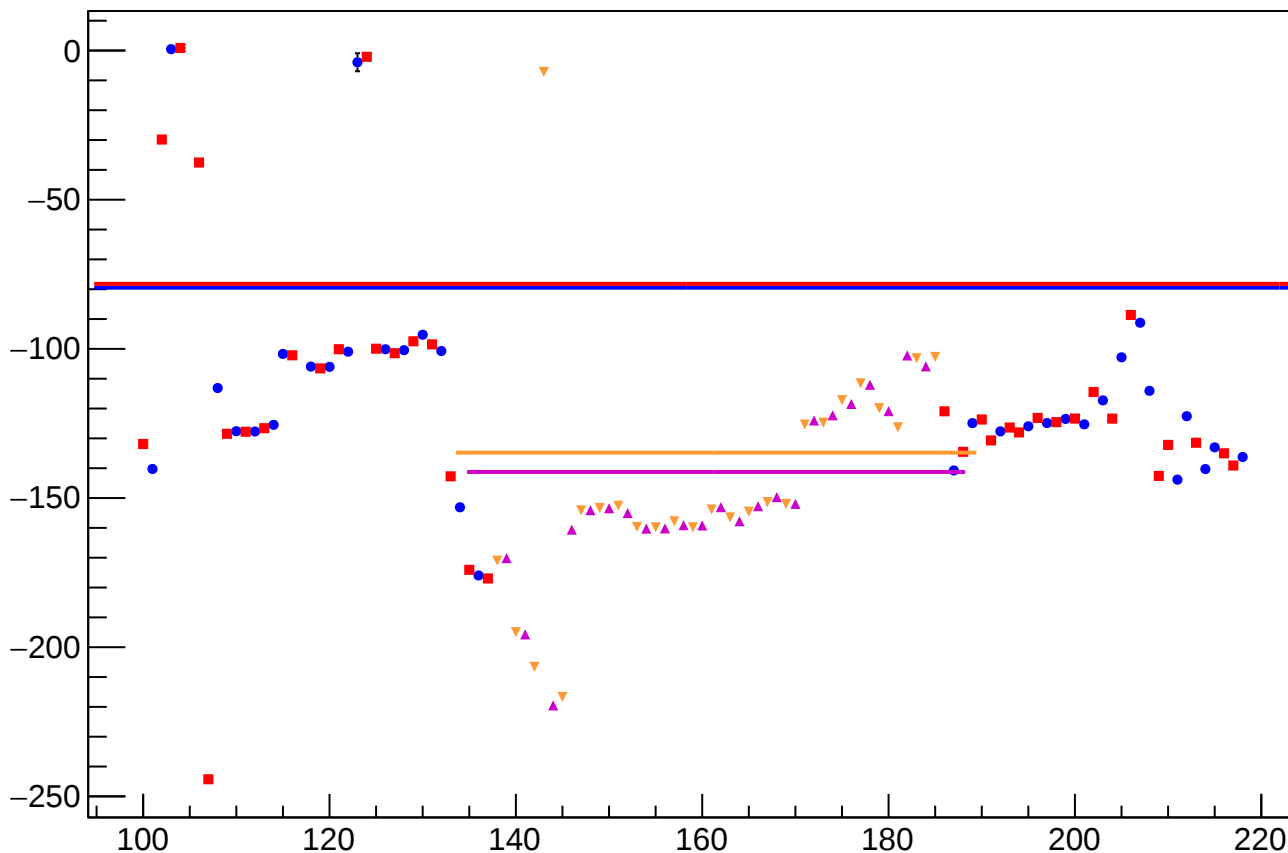
Left In: 62.400 $\pm$ 0.974 χ^2 /NDF: 406.3/22

+ sign 48.483 $\pm$ 0.718 χ^2 /NDF: 1994.3/57

All: 47.600 $\pm$ 0.509 χ^2 /NDF: 3643.6/116

- sign 46.706 $\pm$ 0.722 χ^2 /NDF: 1646.3/58

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: -78.200 ± 0.049 $\chi^2/\text{NDF}: 1464441.1/35$

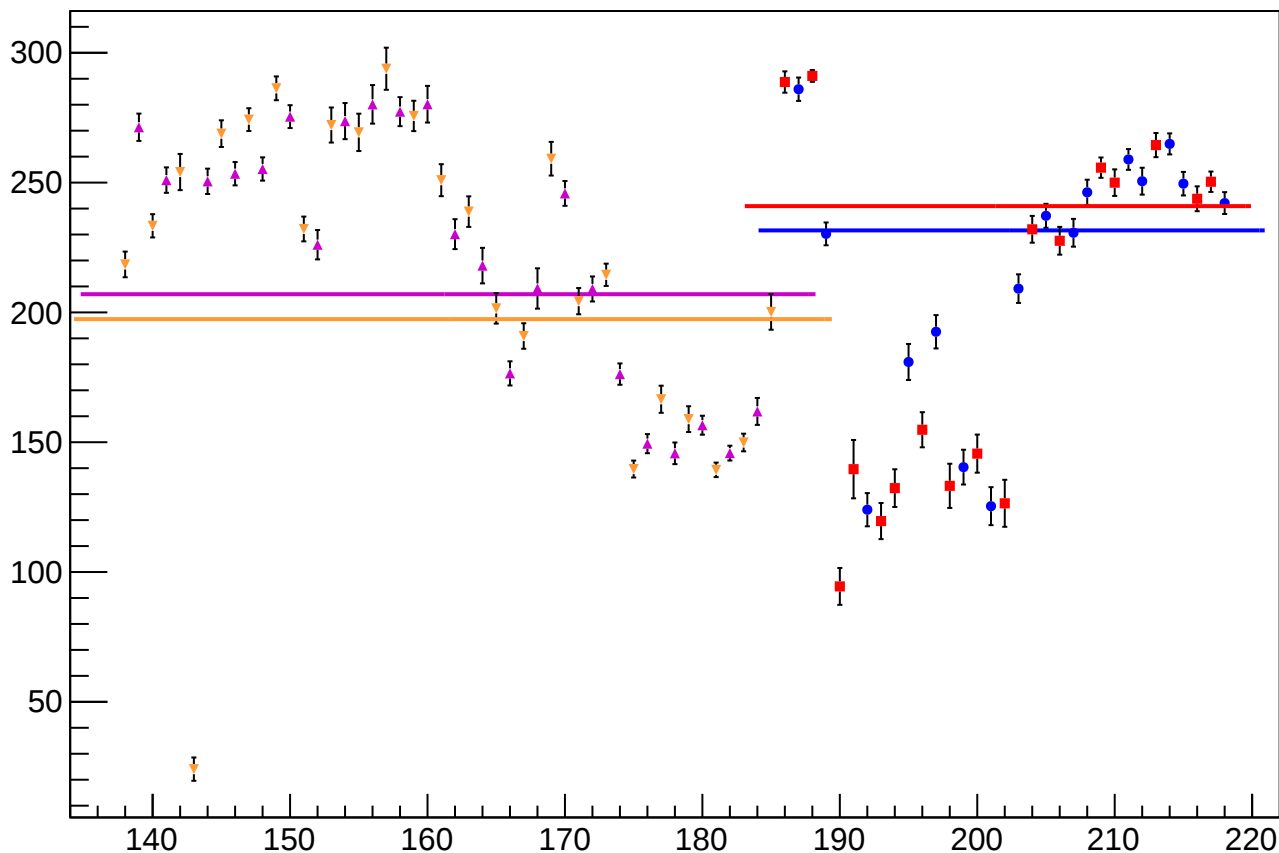
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -110.314 ± 0.033 $\chi^2/\text{NDF}: 2970691.4/57$

All: -111.157 ± 0.023 $\chi^2/\text{NDF}: 5683077.4/11$

- sign -111.996 ± 0.033 $\chi^2/\text{NDF}: 2711102.4/58$

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: 240.936 $\pm$ 1.182 χ^2 /NDF: 2364.2/16

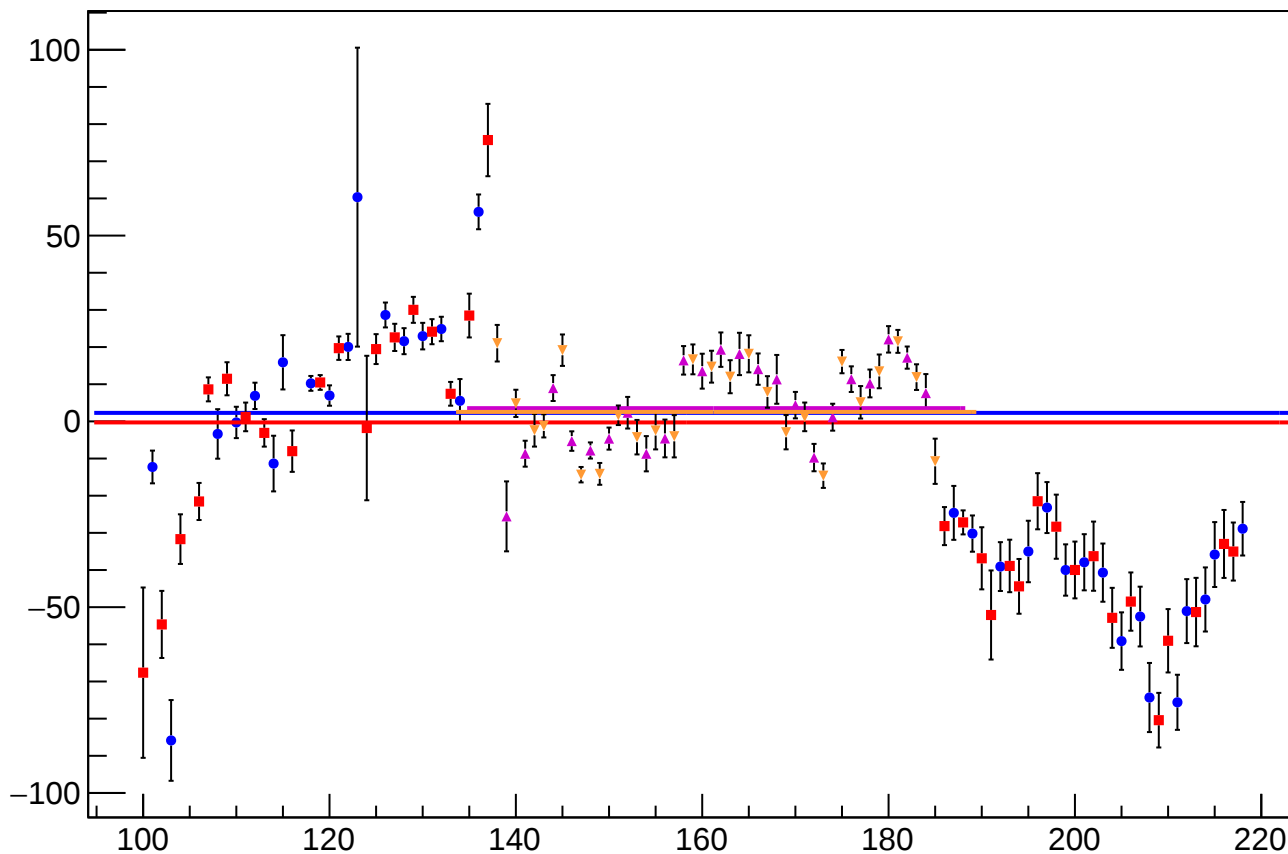
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF: 2611.5/22

+ sign 210.069 $\pm$ 0.764 χ^2 /NDF: 5943.8/40

All: 215.574 $\pm$ 0.538 χ^2 /NDF: 11506.7/80

- sign 221.007 $\pm$ 0.759 χ^2 /NDF: 5459.8/39

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 2.288 ± 0.836 χ^2/NDF : 1064.9/32

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: -0.283 ± 0.803 χ^2/NDF : 1025.9/35

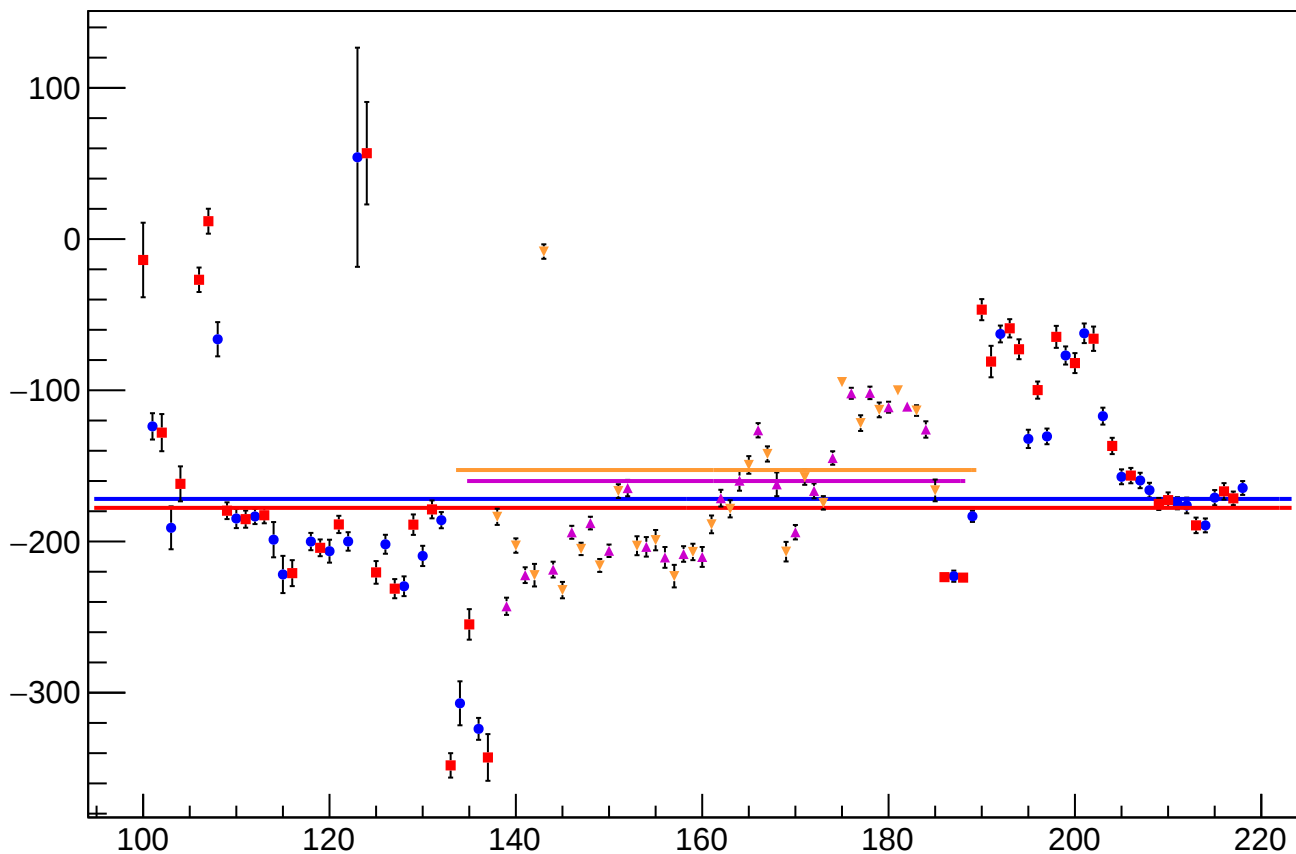
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 2.433 ± 0.554 χ^2/NDF : 1340.4/57

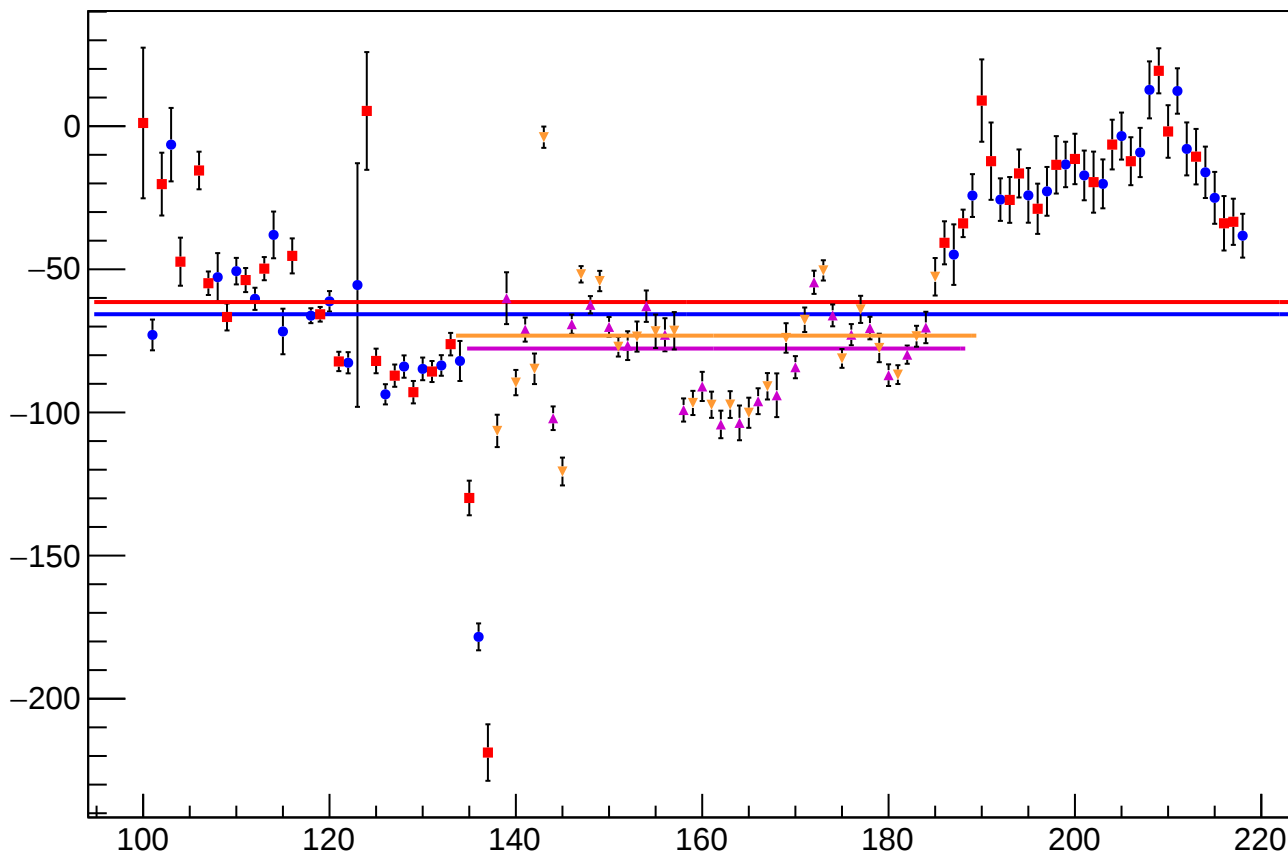
All: 2.072 ± 0.393 χ^2/NDF : 2571.0/116

- sign 1.708 ± 0.557 χ^2/NDF : 1229.7/58

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -65.688 ± 0.966 $\chi^2/\text{NDF}: 1358.5/32$

Left Out: -73.165 ± 0.851 $\chi^2/\text{NDF}: 788.6/24$

Right Out: -61.434 ± 0.937 $\chi^2/\text{NDF}: 1196.7/35$

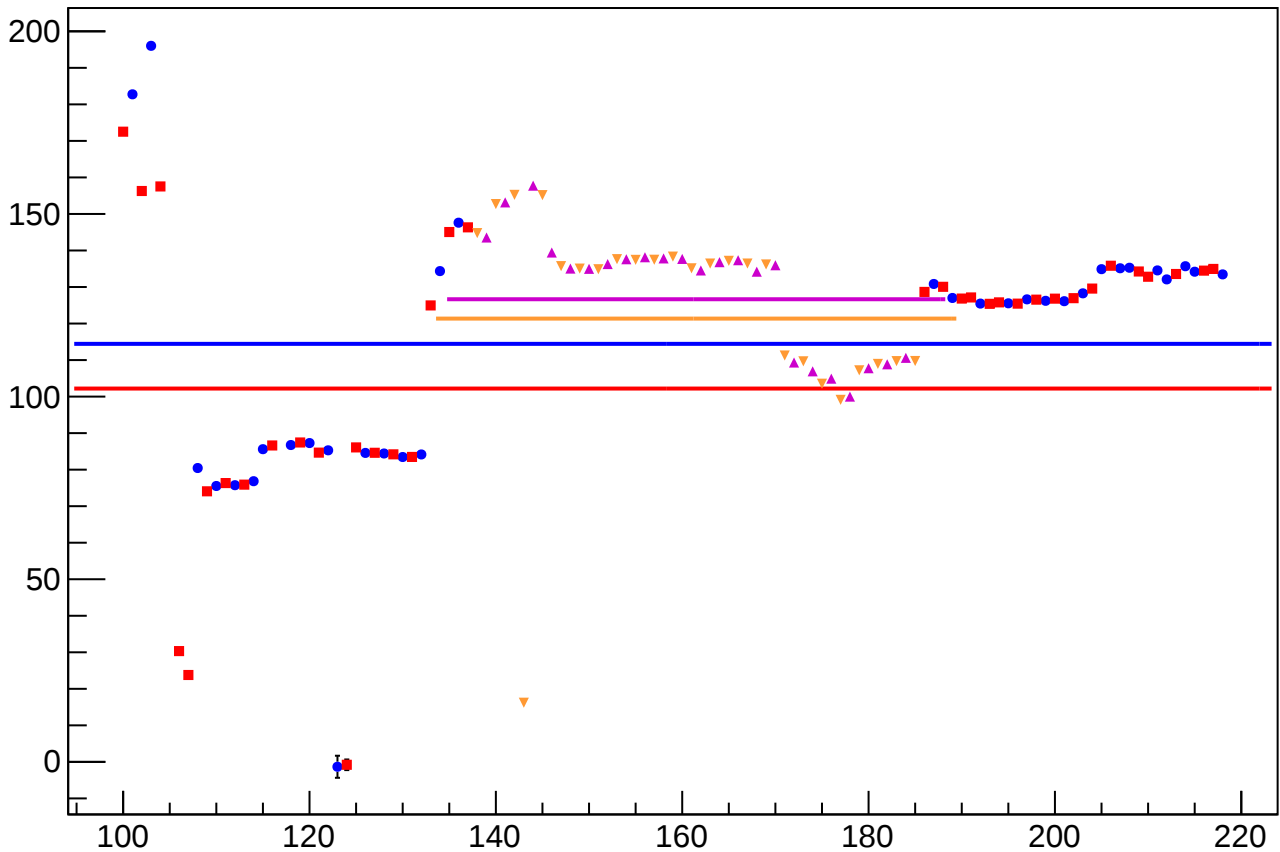
Left In: -77.678 ± 0.883 $\chi^2/\text{NDF}: 248.3/22$

+ sign -69.897 ± 0.639 $\chi^2/\text{NDF}: 2180.8/57$

All: -69.968 ± 0.453 $\chi^2/\text{NDF}: 3785.0/116$

- sign -70.039 ± 0.643 $\chi^2/\text{NDF}: 1604.2/58$

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: 102.203 $\pm$ 0.050 χ^2 /NDF: 607974.2/35

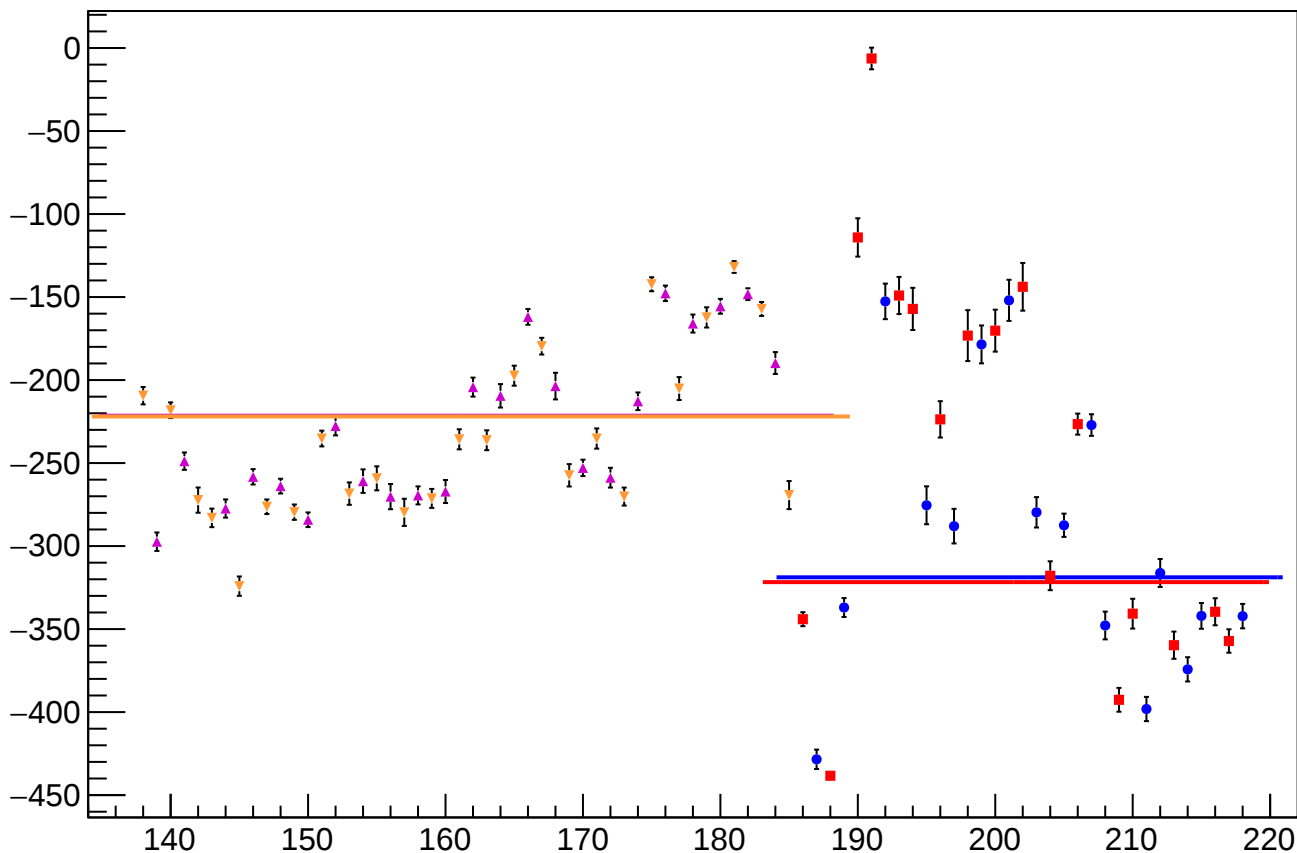
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.865 $\pm$ 0.032 χ^2 /NDF: 822739.3/57

All: 117.779 $\pm$ 0.023 χ^2 /NDF: 1739755.6/116

- sign 116.732 $\pm$ 0.032 χ^2 /NDF: 914788.4/58

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: -321.717 ± 1.681 $\chi^2/\text{NDF}: 5424.7/16$

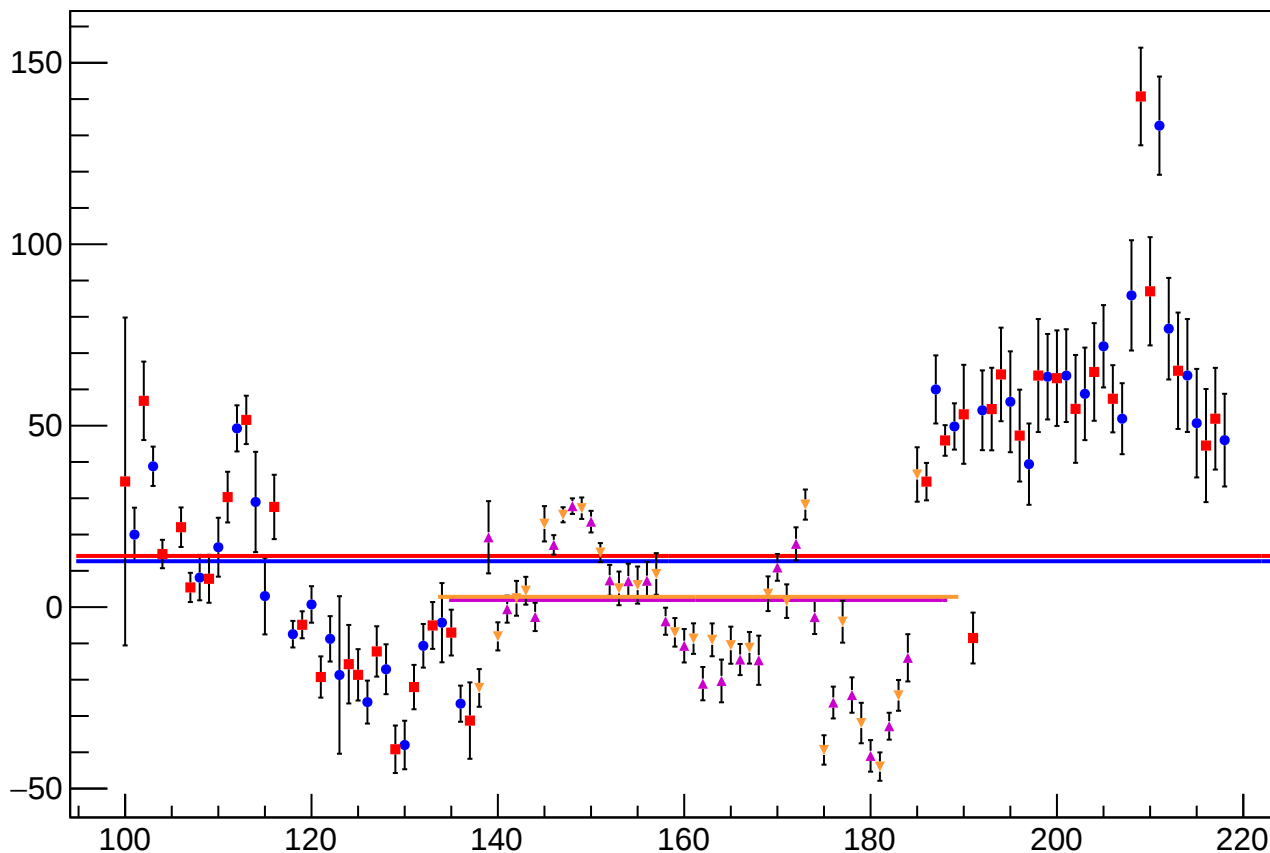
Left In: -221.483 ± 1.102 $\chi^2/\text{NDF}: 2149.8/22$

+ sign -244.420 ± 0.950 $\chi^2/\text{NDF}: 5835.1/40$

All: -248.127 ± 0.662 $\chi^2/\text{NDF}: 15925.1/80$

- sign -251.615 ± 0.922 $\chi^2/\text{NDF}: 10060.5/39$

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: 14.104 ± 1.192 $\chi^2/\text{NDF}: 633.8/35$

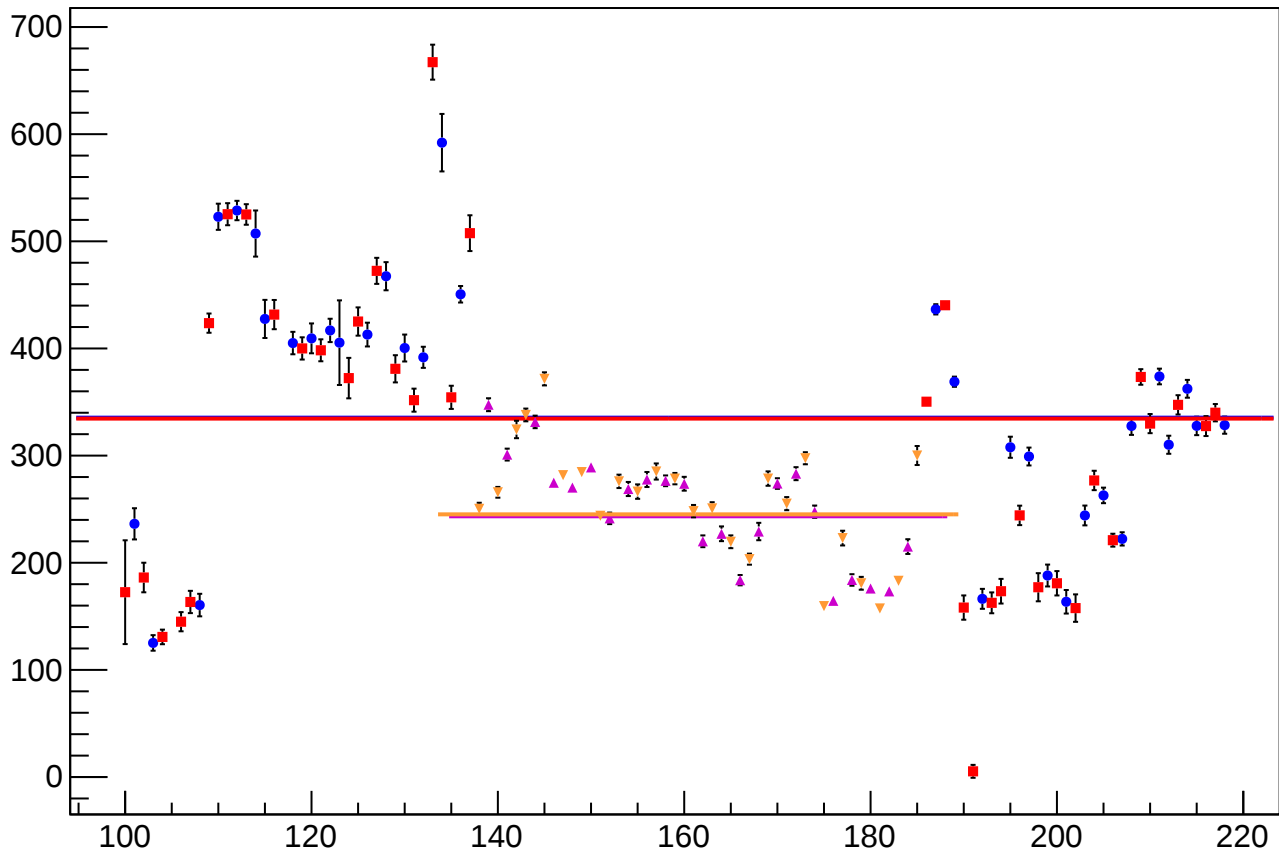
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 5.410 ± 0.693 $\chi^2/\text{NDF}: 1362.0/57$

All: 5.690 ± 0.487 $\chi^2/\text{NDF}: 2654.7/116$

- sign 5.961 ± 0.684 $\chi^2/\text{NDF}: 1292.4/58$

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: 334.543 ± 1.286 $\chi^2/\text{NDF}: 10100.6/35$

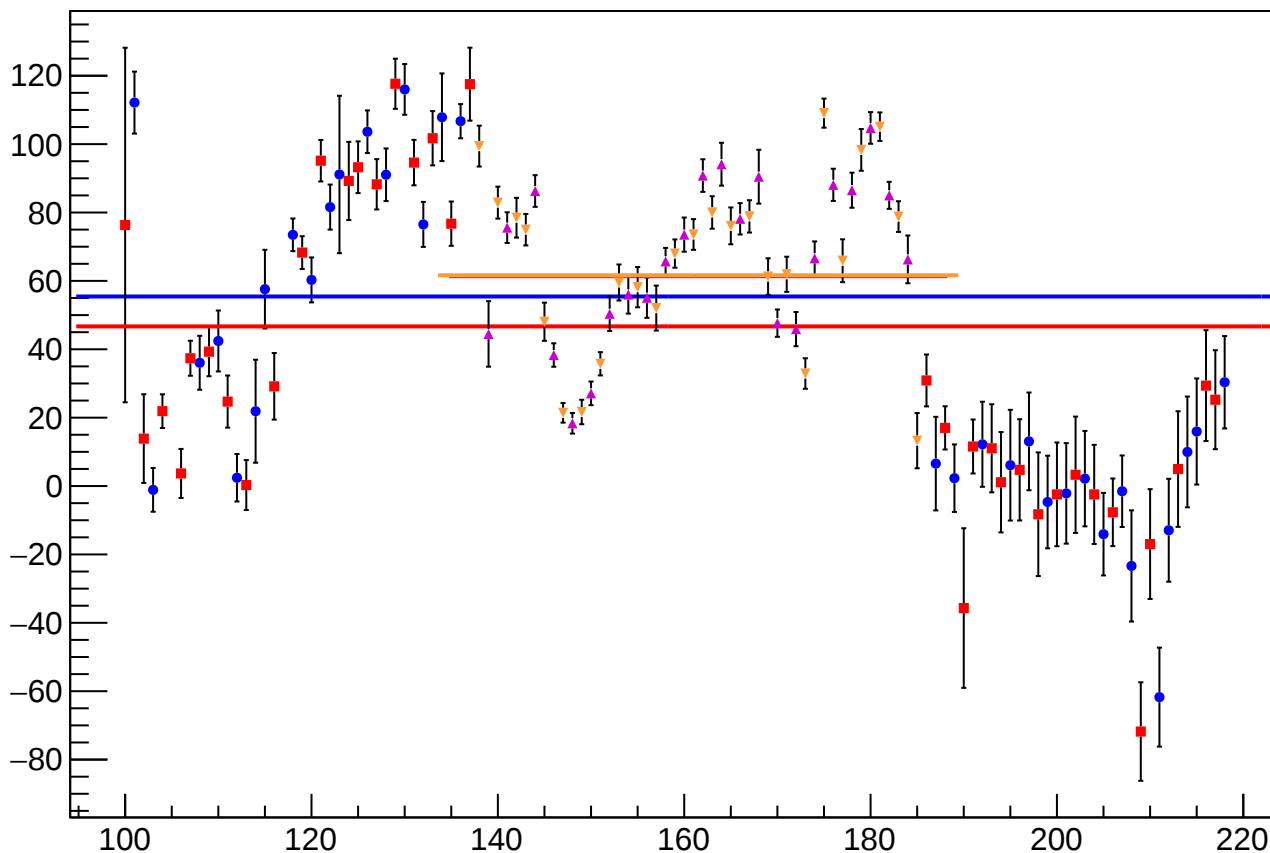
Left In: 243.366 ± 1.094 $\chi^2/\text{NDF}: 2236.7/22$

+ sign 274.854 ± 0.886 $\chi^2/\text{NDF}: 9370.8/57$

All: 278.448 ± 0.607 $\chi^2/\text{NDF}: 24655.4/116$

- sign 281.623 ± 0.833 $\chi^2/\text{NDF}: 15253.7/58$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 55.439+/-1.565 χ^2/NDF : 813.4/32

Left Out: 61.647+/-0.936 χ^2/NDF : 871.5/24

Right Out: 46.700+/-1.419 χ^2/NDF : 795.7/35

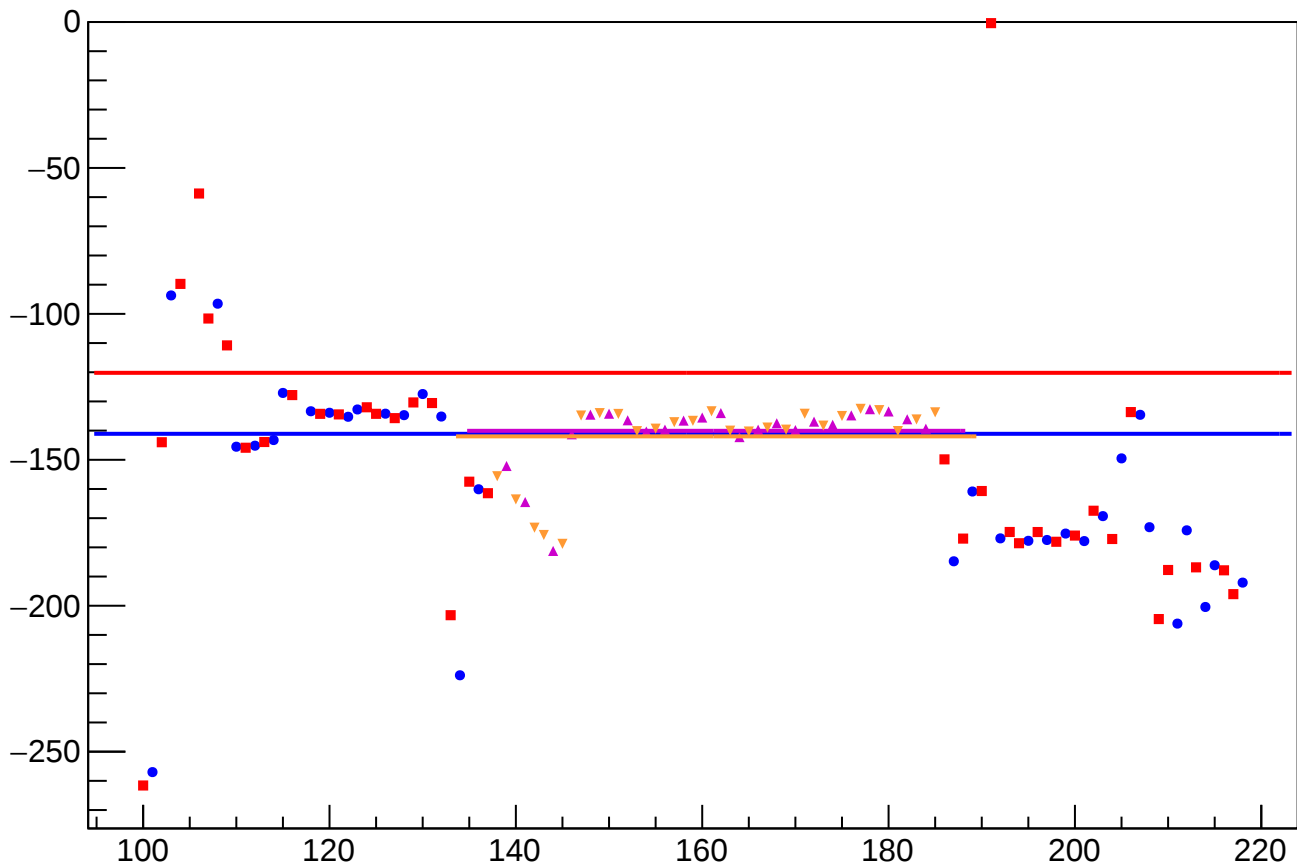
Left In: 61.375+/-0.961 χ^2/NDF : 699.7/22

+ sign 60.011+/-0.803 χ^2/NDF : 1696.6/57

All: 58.369+/-0.565 χ^2/NDF : 3273.6/116

- sign 56.758+/-0.796 χ^2/NDF : 1568.7/58

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: -120.198 ± 0.066 χ^2/NDF : 653871.2/35

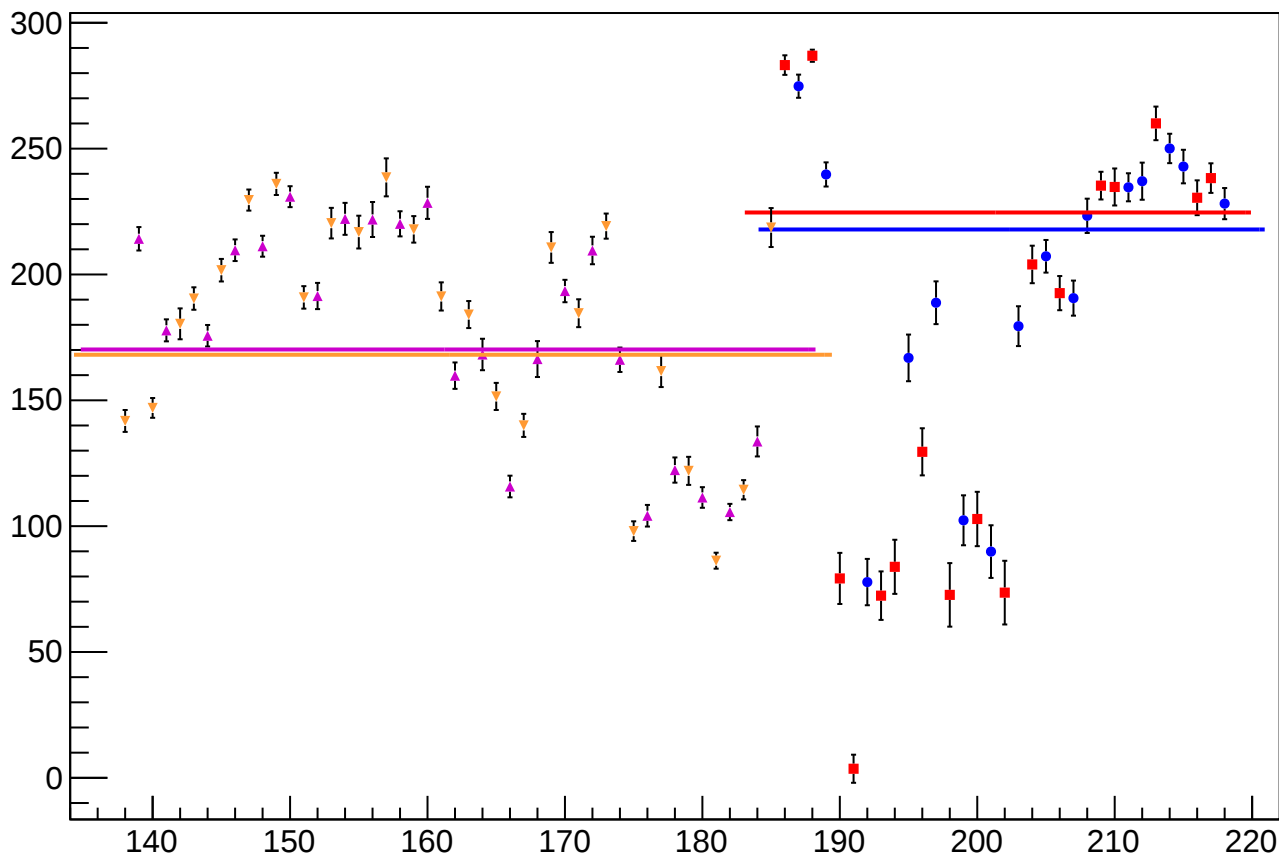
Left In: -140.068 ± 0.045 χ^2/NDF : 48030.7/22

+ sign -141.736 ± 0.038 χ^2/NDF : 341053.8/57

All: -137.654 ± 0.027 χ^2/NDF : 1126602.2/11

- sign -133.796 ± 0.037 χ^2/NDF : 763442.0/58

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 217.879 $\pm$ 1.672 χ^2 /NDF: 837.9/15

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF: 2468.8/24

Right Out: 224.629 $\pm$ 1.421 χ^2 /NDF: 3675.1/16

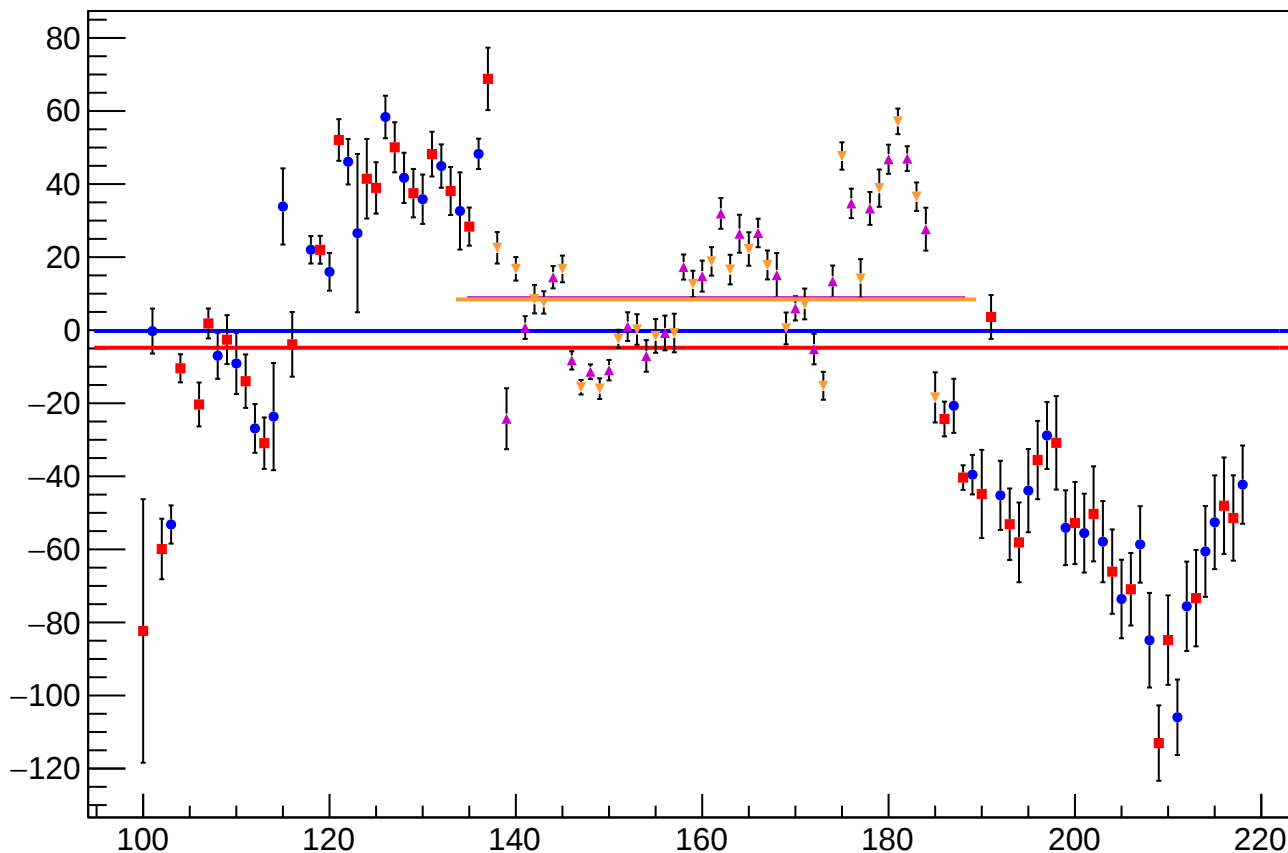
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF: 2024.5/22

+ sign 180.640 $\pm$ 0.839 χ^2 /NDF: 3969.4/40

All: 184.490 $\pm$ 0.585 χ^2 /NDF: 10694.6/80

- sign 188.122 $\pm$ 0.815 χ^2 /NDF: 6684.3/39

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: -4.802 ± 1.130 χ^2/NDF : 1128.9/35

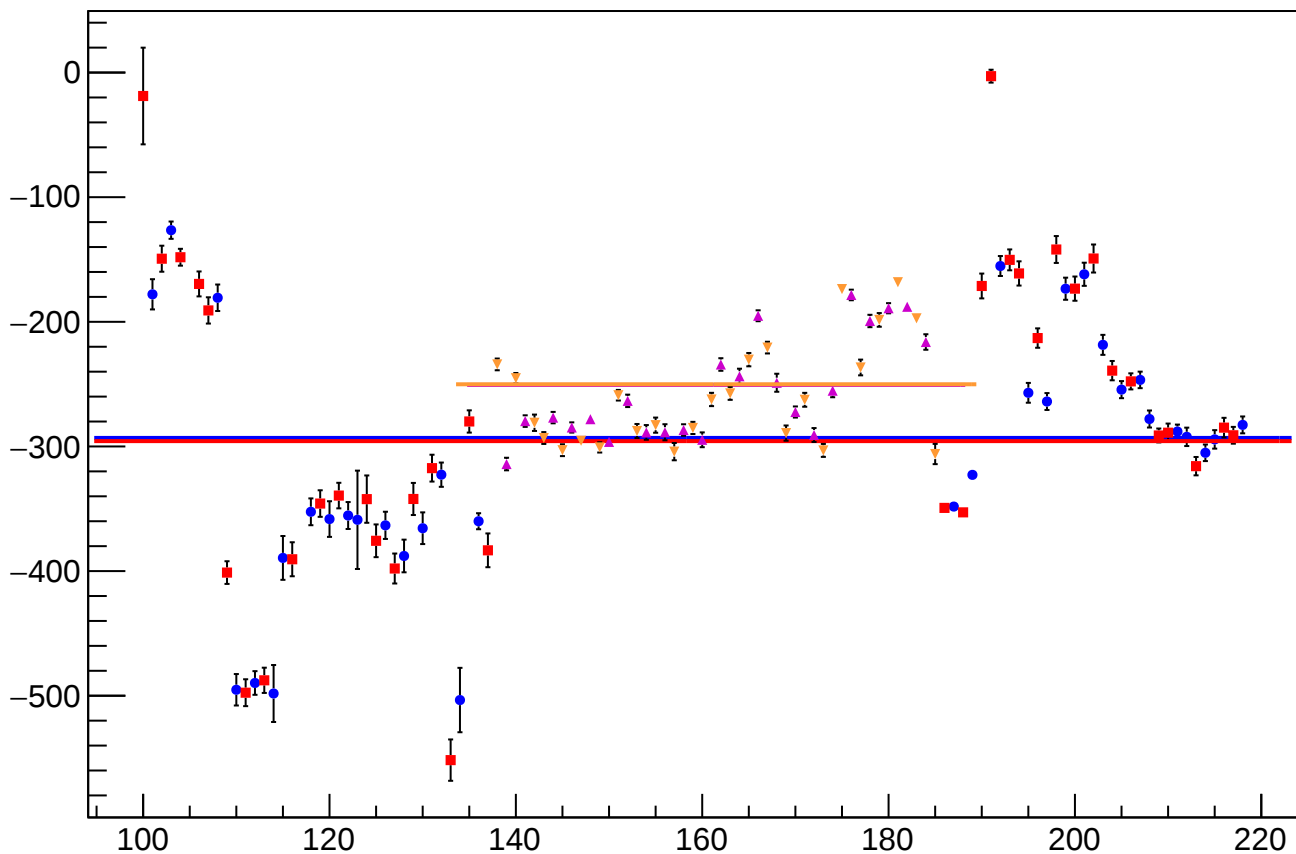
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 6.315 ± 0.633 χ^2/NDF : 1900.4/57

All: 5.431 ± 0.446 χ^2/NDF : 3759.5/116

- sign 4.554 ± 0.630 χ^2/NDF : 1855.2/58

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: -295.721 ± 1.124 χ^2/NDF : 8121.2/35

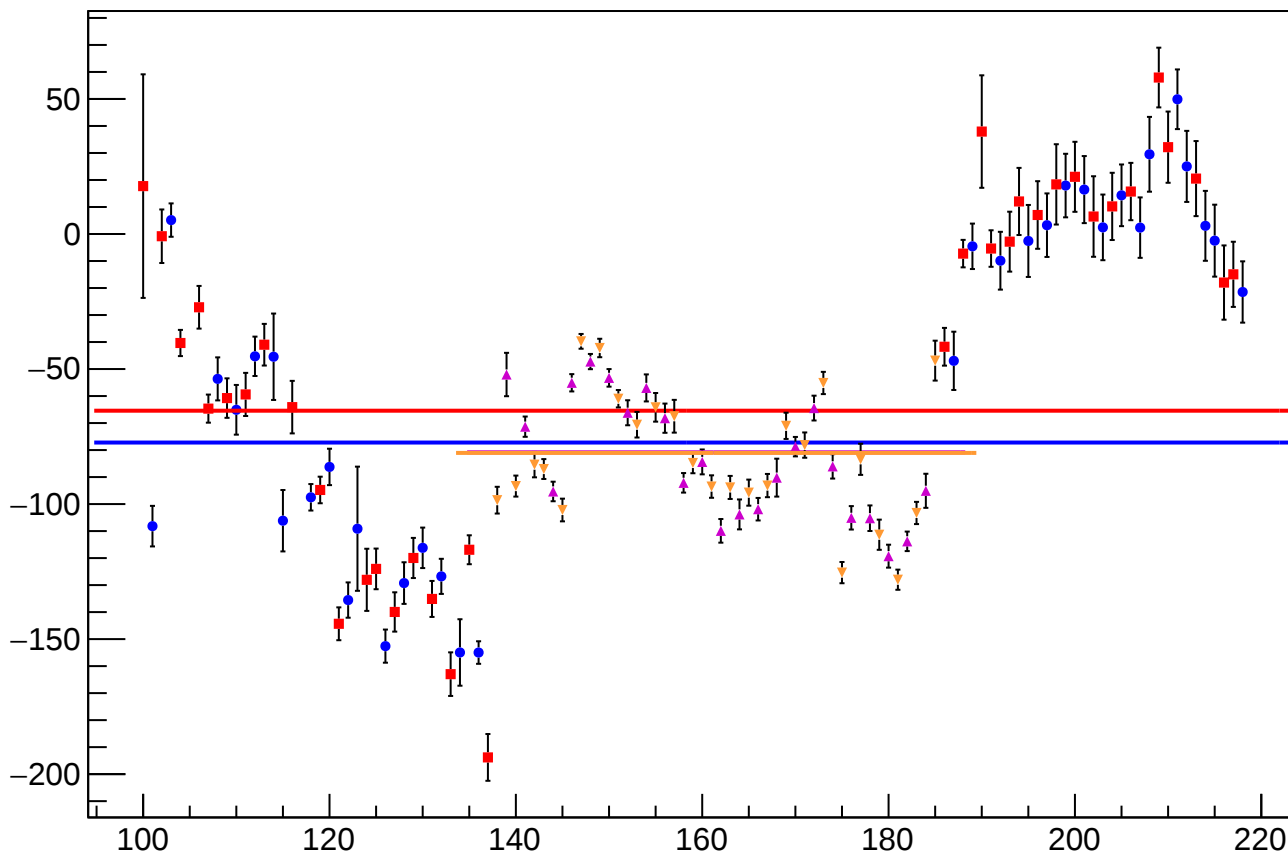
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.725 ± 0.790 χ^2/NDF : 6049.4/57

All: -267.706 ± 0.541 χ^2/NDF : 17040.8/116

- sign -270.342 ± 0.743 χ^2/NDF : 10964.7/58

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: -65.427 ± 1.348 $\chi^2/\text{NDF}: 1920.0/35$

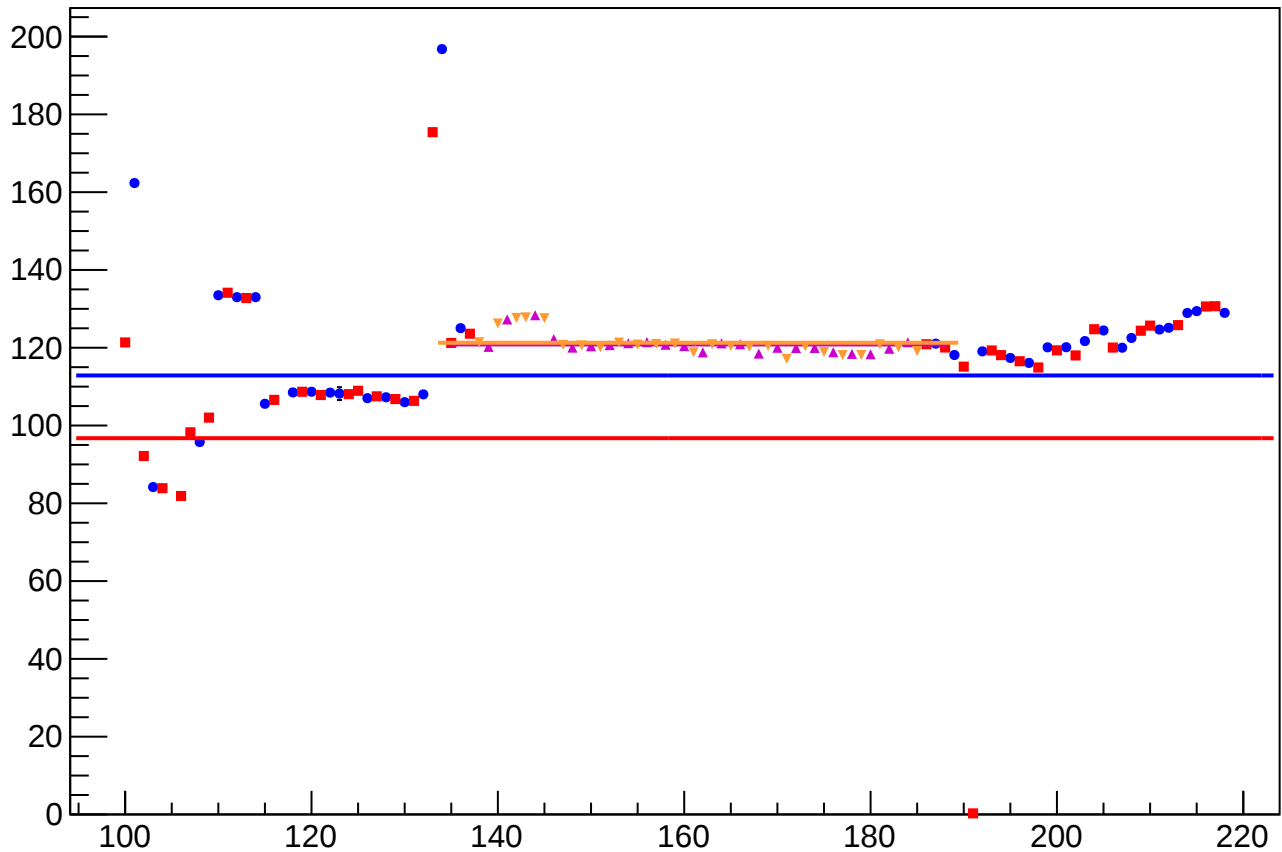
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -80.113 ± 0.732 $\chi^2/\text{NDF}: 2748.7/57$

All: -78.201 ± 0.518 $\chi^2/\text{NDF}: 5467.6/116$

- sign -76.289 ± 0.732 $\chi^2/\text{NDF}: 2705.3/58$

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: 96.741 $\pm$ 0.061 χ^2 /NDF: 375011.4/35

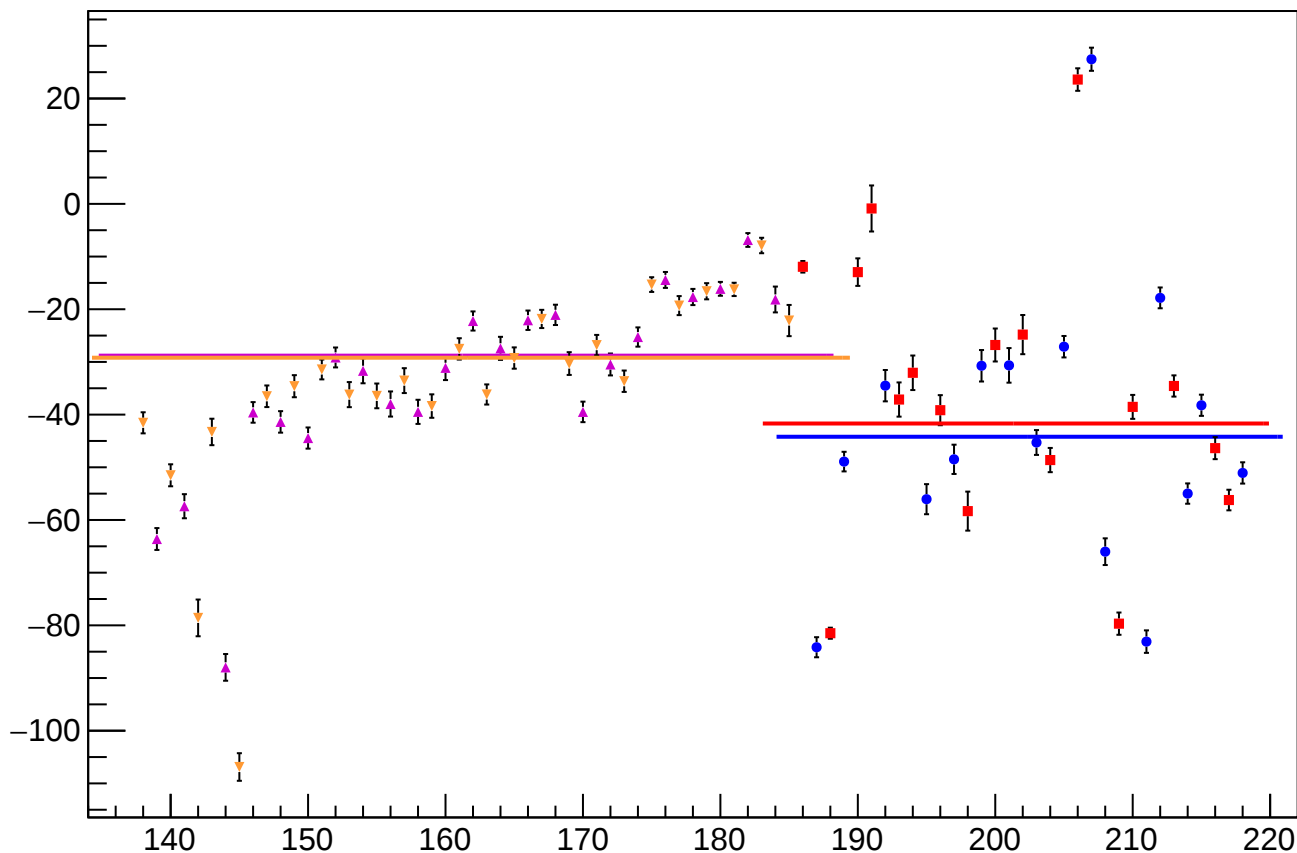
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.130 $\pm$ 0.035 χ^2 /NDF: 97975.9/57

All: 116.217 $\pm$ 0.024 χ^2 /NDF: 598175.8/116

- sign 113.427 $\pm$ 0.034 χ^2 /NDF: 486320.3/58

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -44.202 ± 0.563 $\chi^2/\text{NDF}: 2283.6/15$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -41.689 ± 0.497 $\chi^2/\text{NDF}: 3795.9/16$

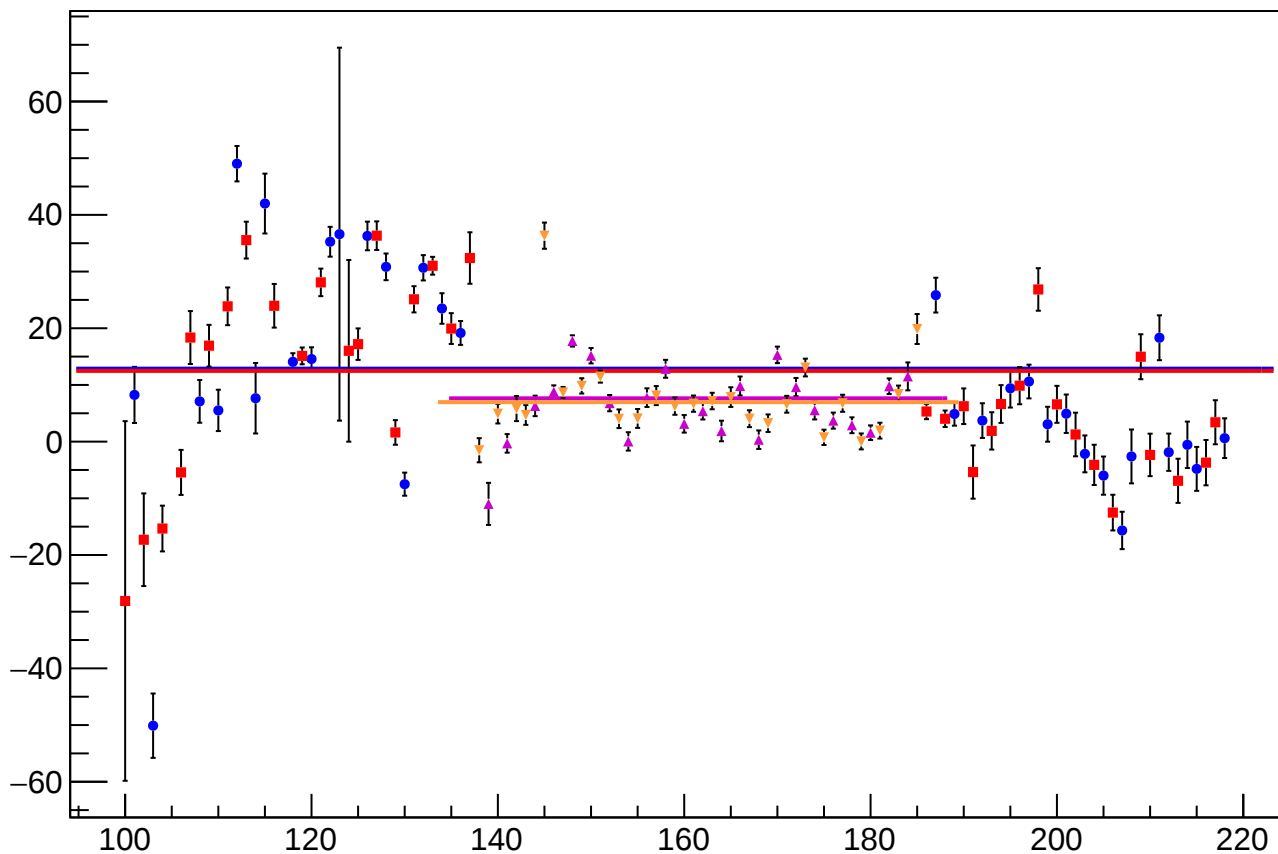
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -34.040 ± 0.320 $\chi^2/\text{NDF}: 4646.2/40$

All: -33.919 ± 0.222 $\chi^2/\text{NDF}: 10617.9/80$

- sign -33.807 ± 0.309 $\chi^2/\text{NDF}: 5971.5/39$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.872 ± 0.509 $\chi^2/\text{NDF}: 965.0/32$

Left Out: 6.960 ± 0.303 $\chi^2/\text{NDF}: 321.3/24$

Right Out: 12.477 ± 0.466 $\chi^2/\text{NDF}: 782.9/35$

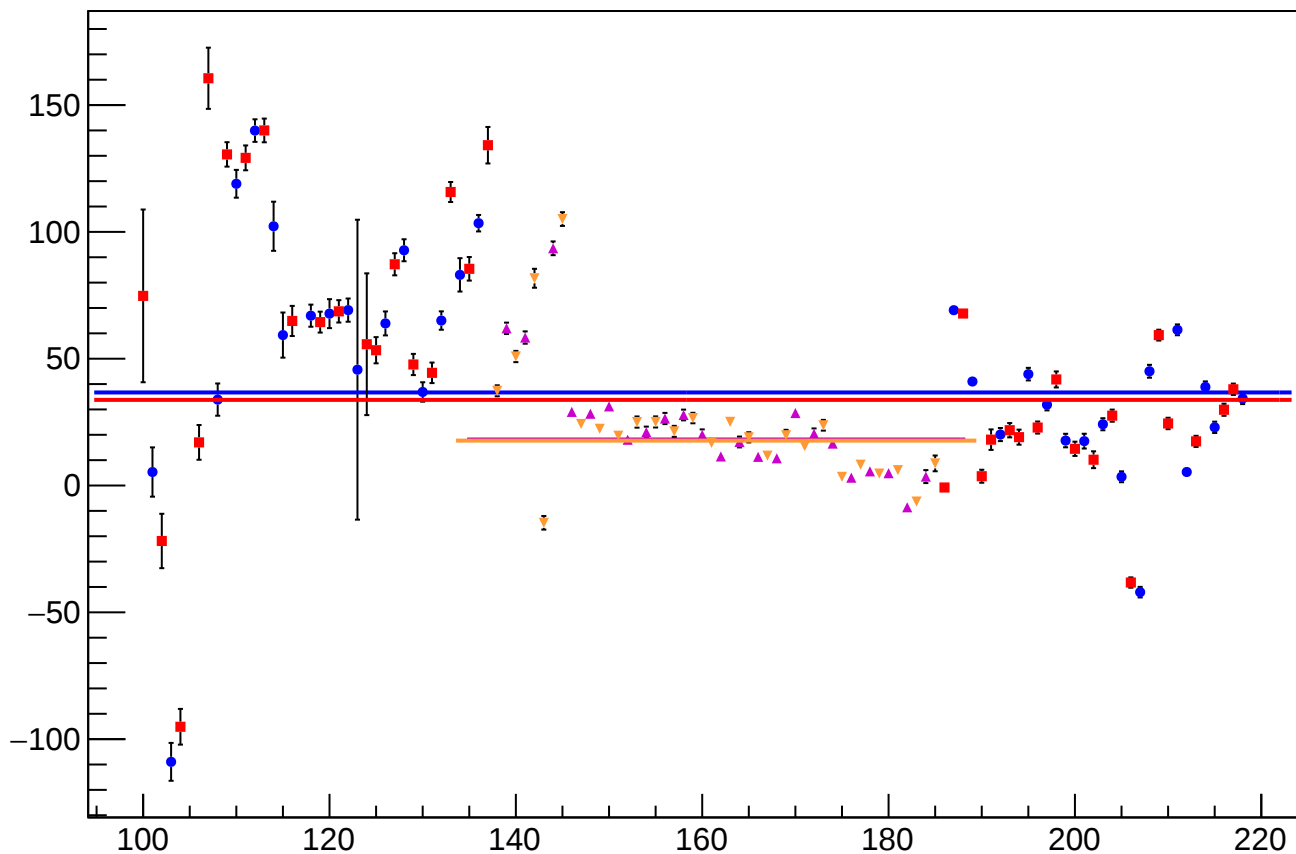
Left In: 7.638 ± 0.313 $\chi^2/\text{NDF}: 337.7/22$

+ sign 8.507 ± 0.260 $\chi^2/\text{NDF}: 1385.9/57$

All: 8.826 ± 0.184 $\chi^2/\text{NDF}: 2583.8/116$

- sign 9.146 ± 0.260 $\chi^2/\text{NDF}: 1194.9/58$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 36.695 ± 0.494 $\chi^2/\text{NDF}: 4775.5/32$

Left Out: 17.705 ± 0.387 $\chi^2/\text{NDF}: 2432.2/24$

Right Out: 33.766 ± 0.418 $\chi^2/\text{NDF}: 7831.5/35$

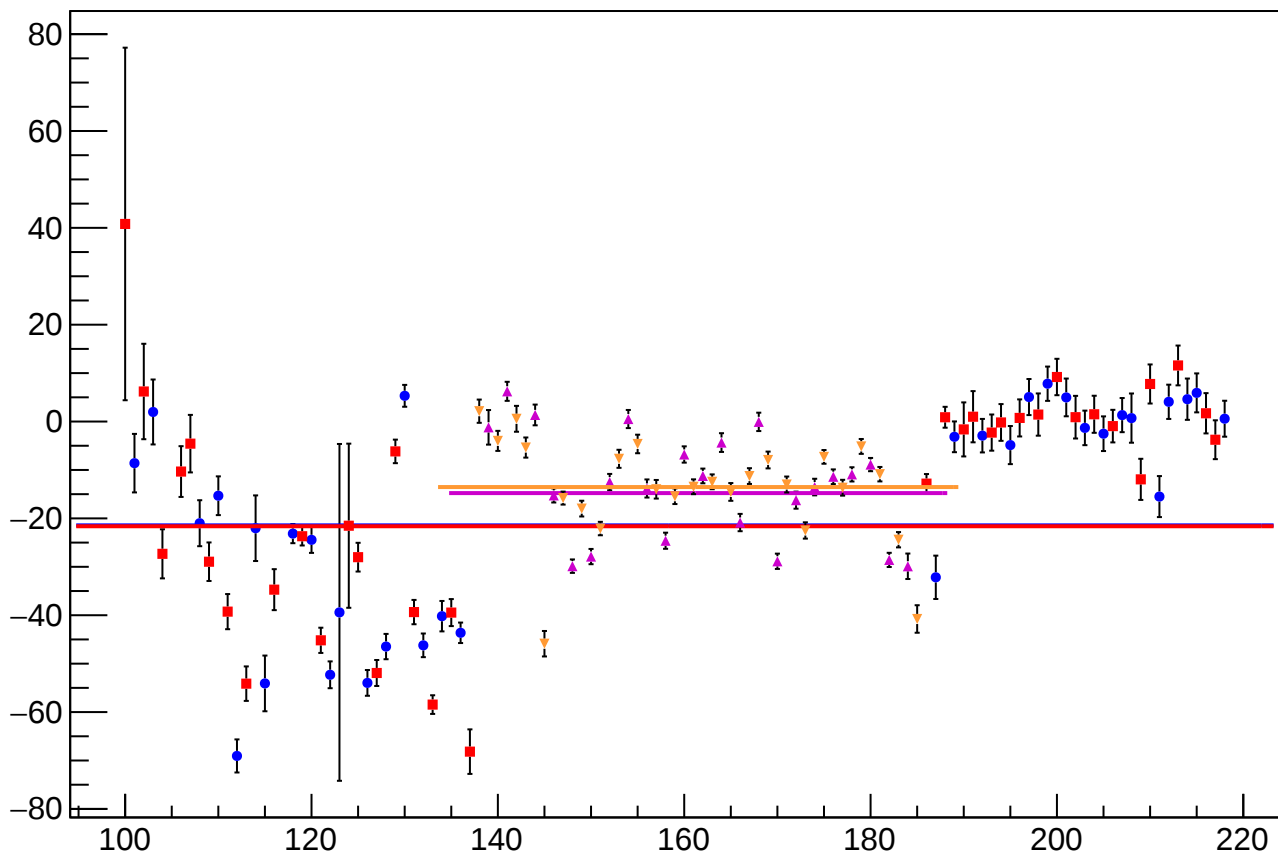
Left In: 18.150 ± 0.393 $\chi^2/\text{NDF}: 2339.4/22$

+ sign 24.932 ± 0.305 $\chi^2/\text{NDF}: 8122.9/57$

All: 25.218 ± 0.209 $\chi^2/\text{NDF}: 19037.1/116$

- sign 25.469 ± 0.286 $\chi^2/\text{NDF}: 10912.5/58$

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: -21.627 ± 0.558 $\chi^2/\text{NDF}: 1582.6/35$

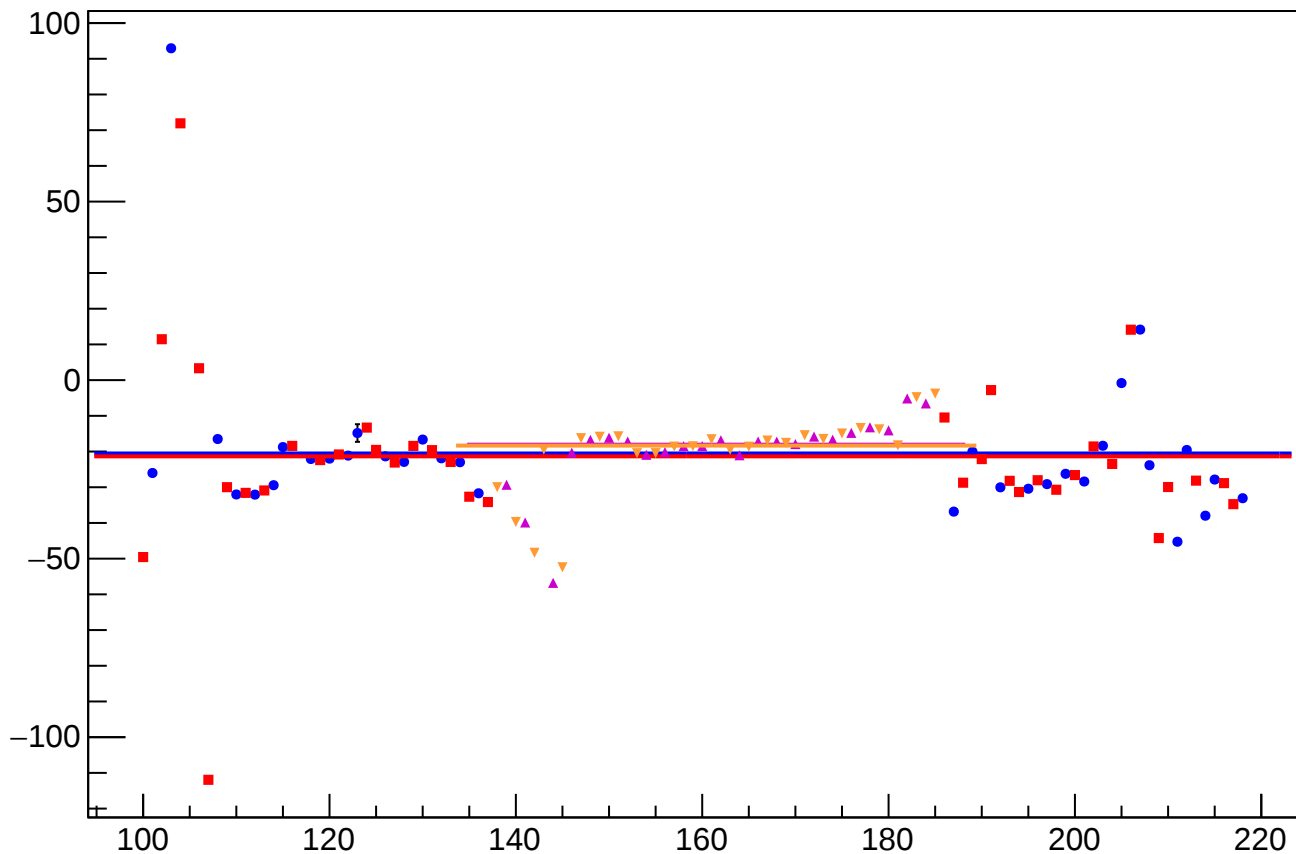
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -15.559 ± 0.297 $\chi^2/\text{NDF}: 2254.3/57$

All: -16.148 ± 0.211 $\chi^2/\text{NDF}: 4790.3/116$

- sign -16.746 ± 0.299 $\chi^2/\text{NDF}: 2528.1/58$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.546 ± 0.028 $\chi^2/\text{NDF}: 623044.4/32$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -21.351 ± 0.027 $\chi^2/\text{NDF}: 583577.8/35$

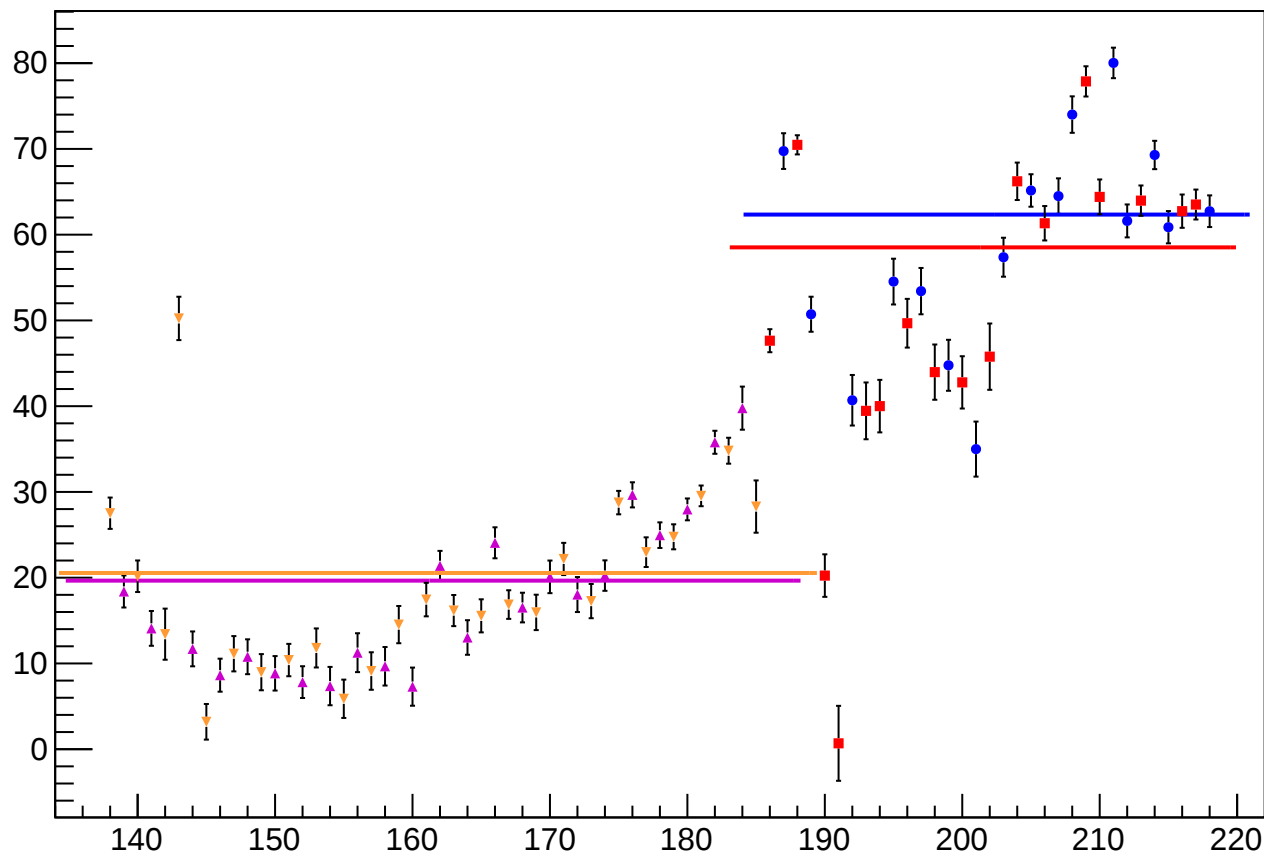
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.867 ± 0.014 $\chi^2/\text{NDF}: 911893.5/57$

All: -18.899 ± 0.010 $\chi^2/\text{NDF}: 1748130.0/116$

- sign -18.931 ± 0.014 $\chi^2/\text{NDF}: 836225.9/58$

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: 58.519 ± 0.494 $\chi^2/\text{NDF}: 896.4/16$

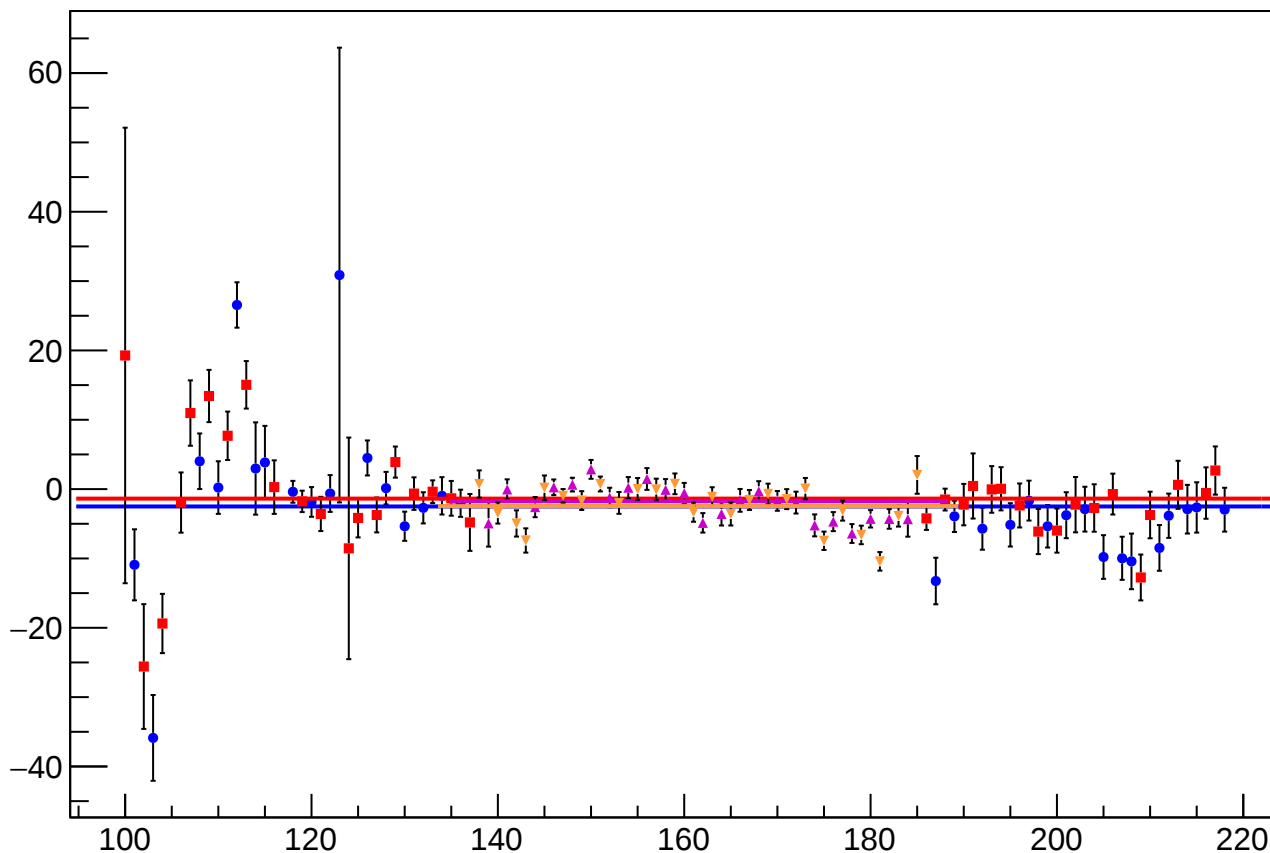
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 34.316 ± 0.305 $\chi^2/\text{NDF}: 5141.8/40$

All: 34.218 ± 0.215 $\chi^2/\text{NDF}: 10495.4/80$

- sign 34.122 ± 0.301 $\chi^2/\text{NDF}: 5353.3/39$

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: -1.371 ± 0.476 χ^2/NDF : 109.4/35

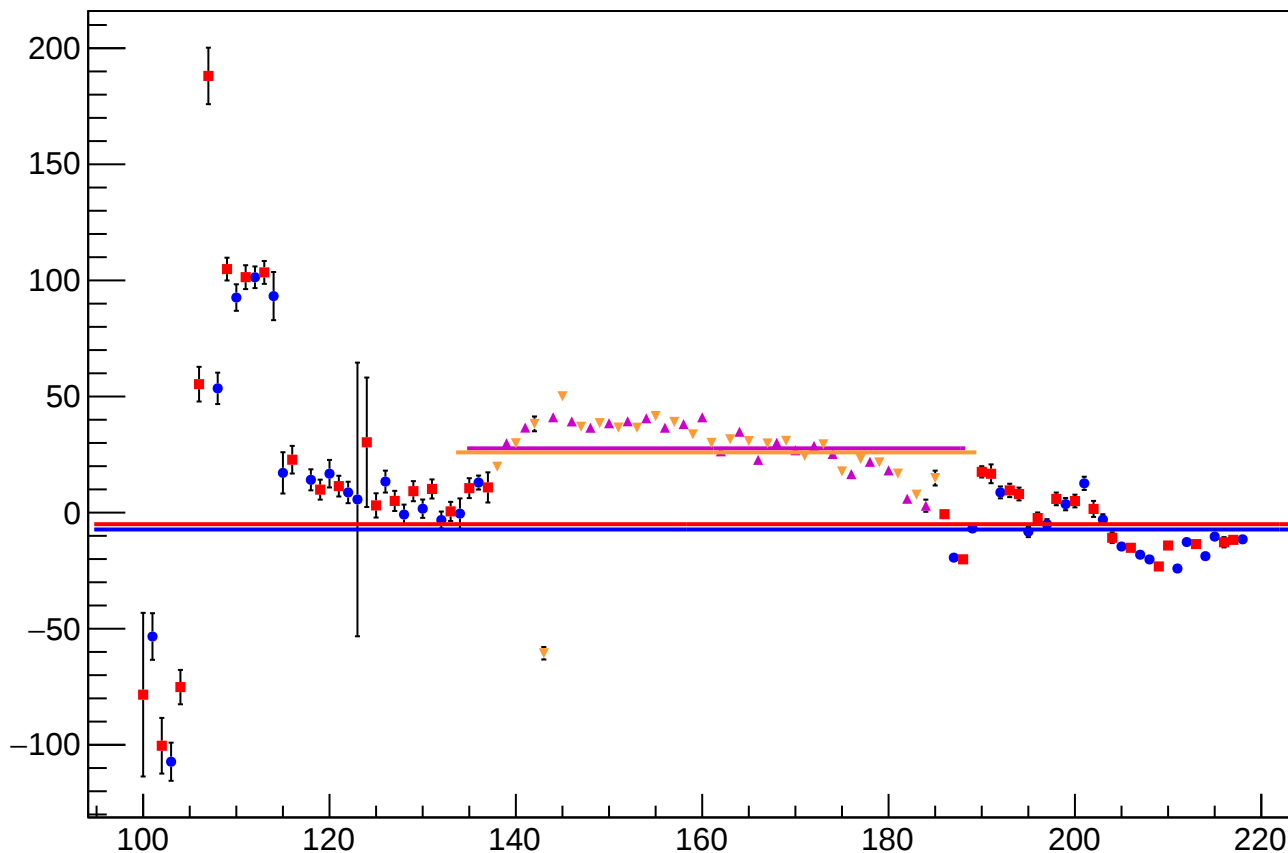
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.466 ± 0.253 χ^2/NDF : 268.6/57

All: -2.060 ± 0.180 χ^2/NDF : 451.1/116

- sign -1.647 ± 0.255 χ^2/NDF : 177.3/58

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -7.265 ± 0.478 $\chi^2/\text{NDF}: 1705.9/32$

Left Out: 25.938 ± 0.372 $\chi^2/\text{NDF}: 1711.6/24$

Right Out: -4.985 ± 0.427 $\chi^2/\text{NDF}: 2687.3/35$

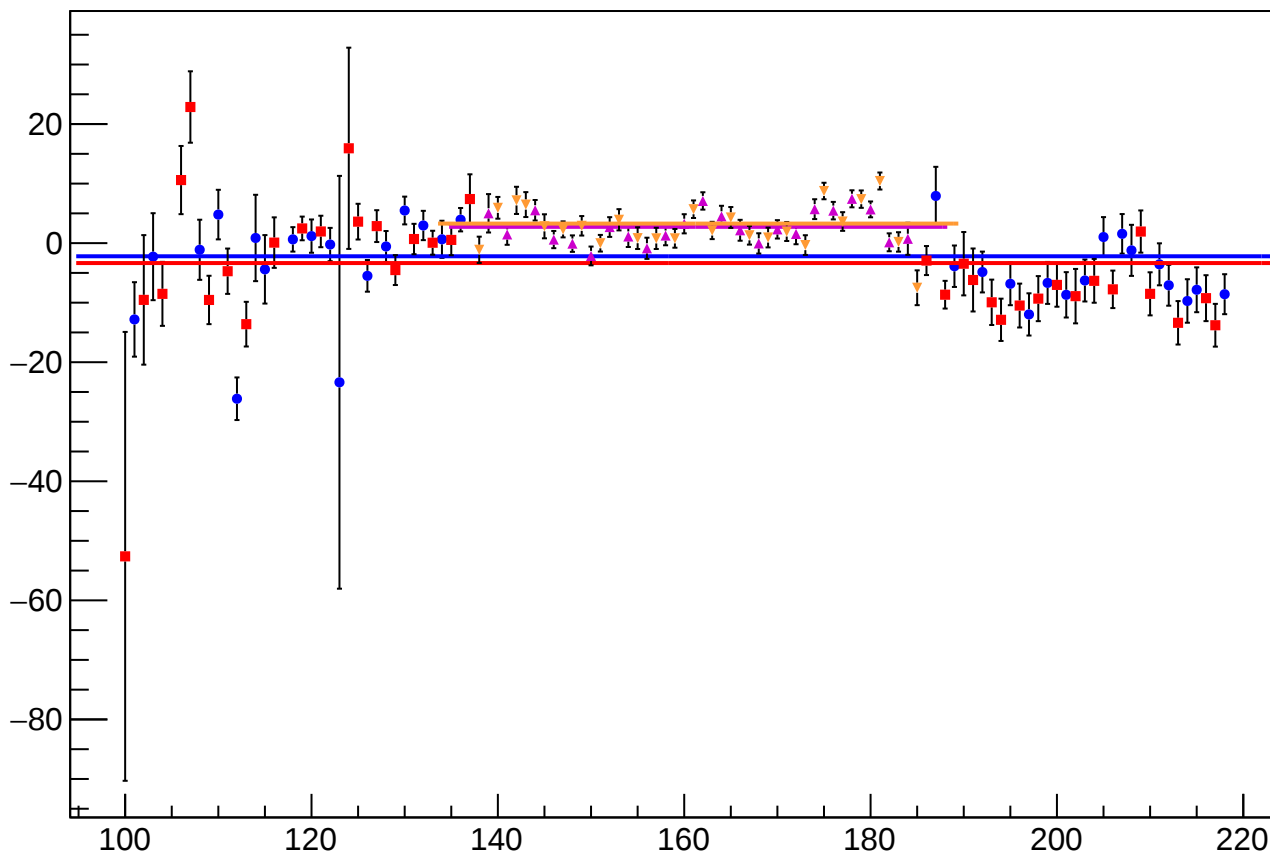
Left In: 27.677 ± 0.378 $\chi^2/\text{NDF}: 803.9/22$

+ sign 13.397 ± 0.294 $\chi^2/\text{NDF}: 6421.1/57$

All: 13.352 ± 0.204 $\chi^2/\text{NDF}: 13192.7/116$

- sign 13.310 ± 0.283 $\chi^2/\text{NDF}: 6771.6/58$

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: -3.346 ± 0.562 χ^2/NDF : 127.5/35

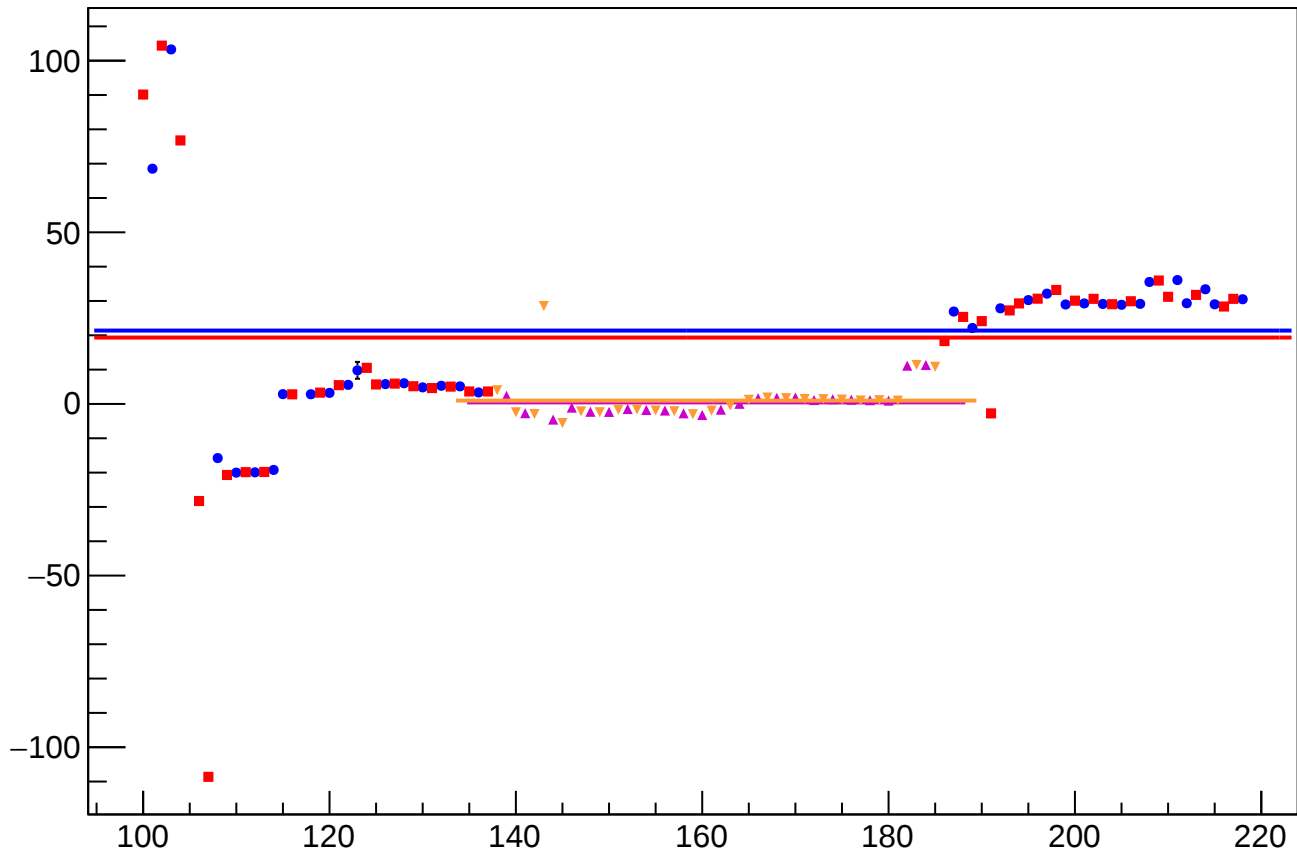
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 1.925 ± 0.288 χ^2/NDF : 287.7/57

All: 1.518 ± 0.205 χ^2/NDF : 569.5/116

- sign 1.099 ± 0.292 χ^2/NDF : 277.7/58

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: 19.344 $\pm$ 0.027 χ^2 /NDF: 749909.1/35

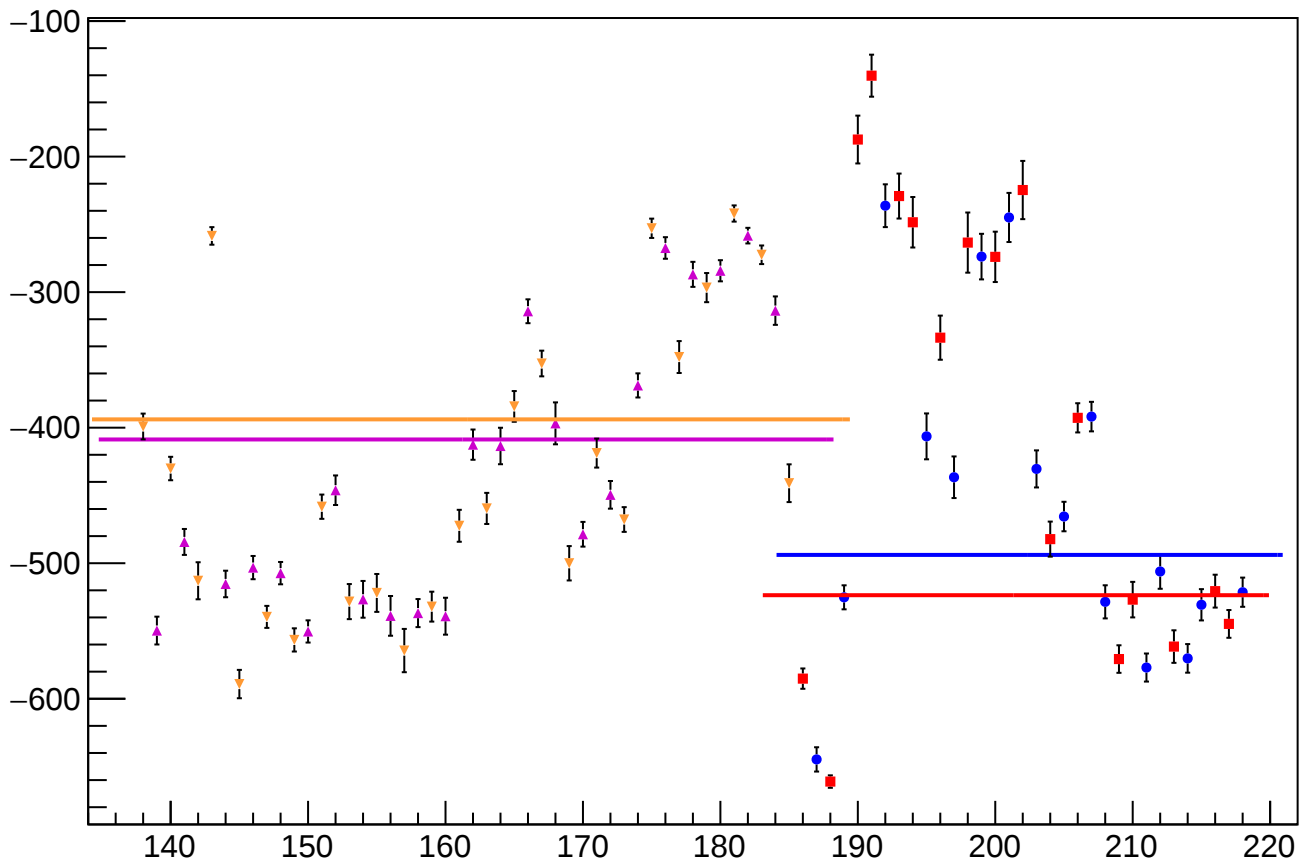
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF:50699.8/22

+ sign 5.781 $\pm$ 0.013 χ^2 /NDF: 1058297.5/57

All: 5.475 $\pm$ 0.009 χ^2 /NDF: 2233994.4/116

- sign 5.165 $\pm$ 0.013 χ^2 /NDF: 1174629.0/58

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -493.865+/-2.975 χ^2 /NDF: 1221.2/15

Left Out: -393.871+/-1.897 χ^2 /NDF:3772.8/24

Right Out: -523.596+/-2.642 χ^2 /NDF: 3312.8/16

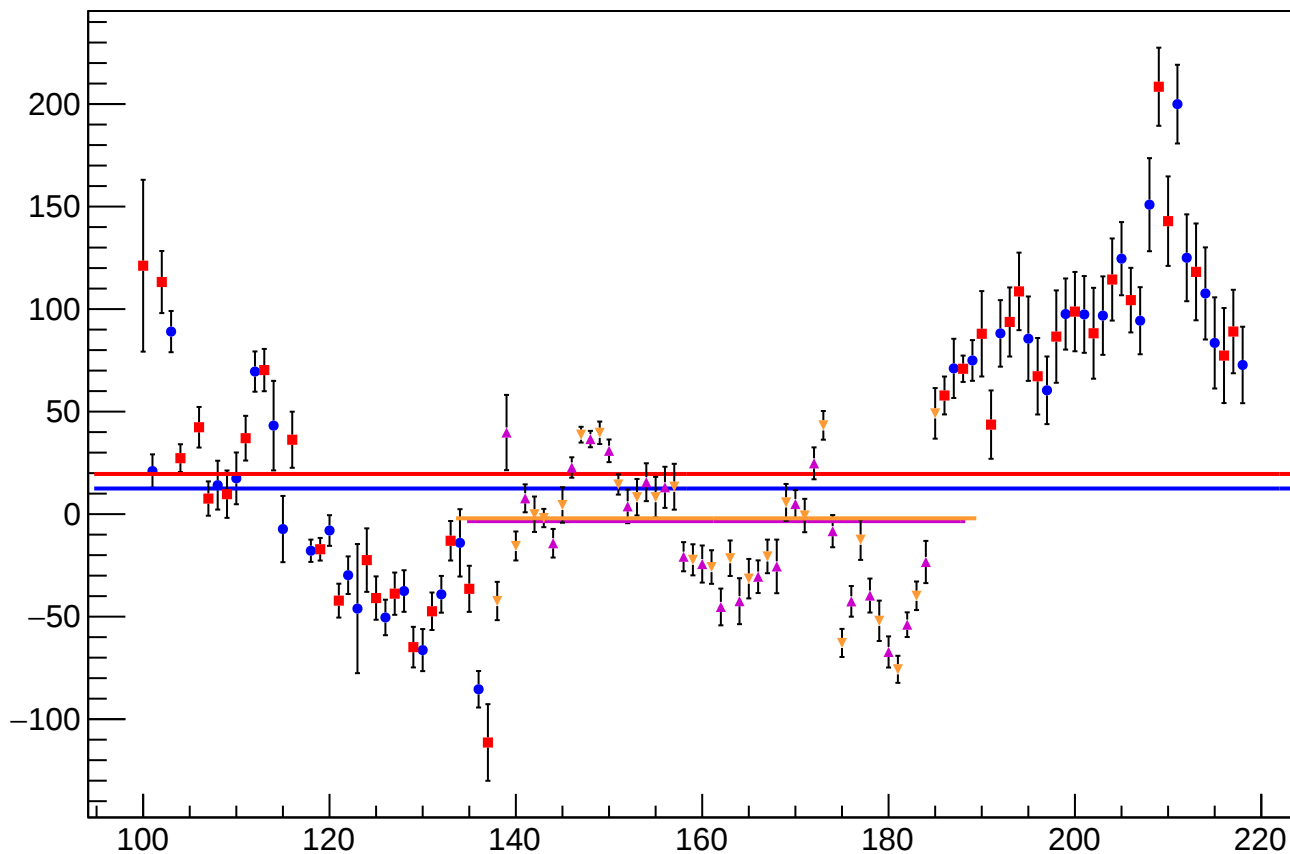
Left In: -408.696+/-1.979 χ^2 /NDF:3062.9/22

+ sign -422.782+/-1.599 χ^2 /NDF: 5797.3/40

All: -436.524+/-1.125 χ^2 /NDF: 13530.9/80

- sign -449.998+/-1.584 χ^2 /NDF: 7587.4/39

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: 19.589 ± 1.922 $\chi^2/\text{NDF}: 859.8/35$

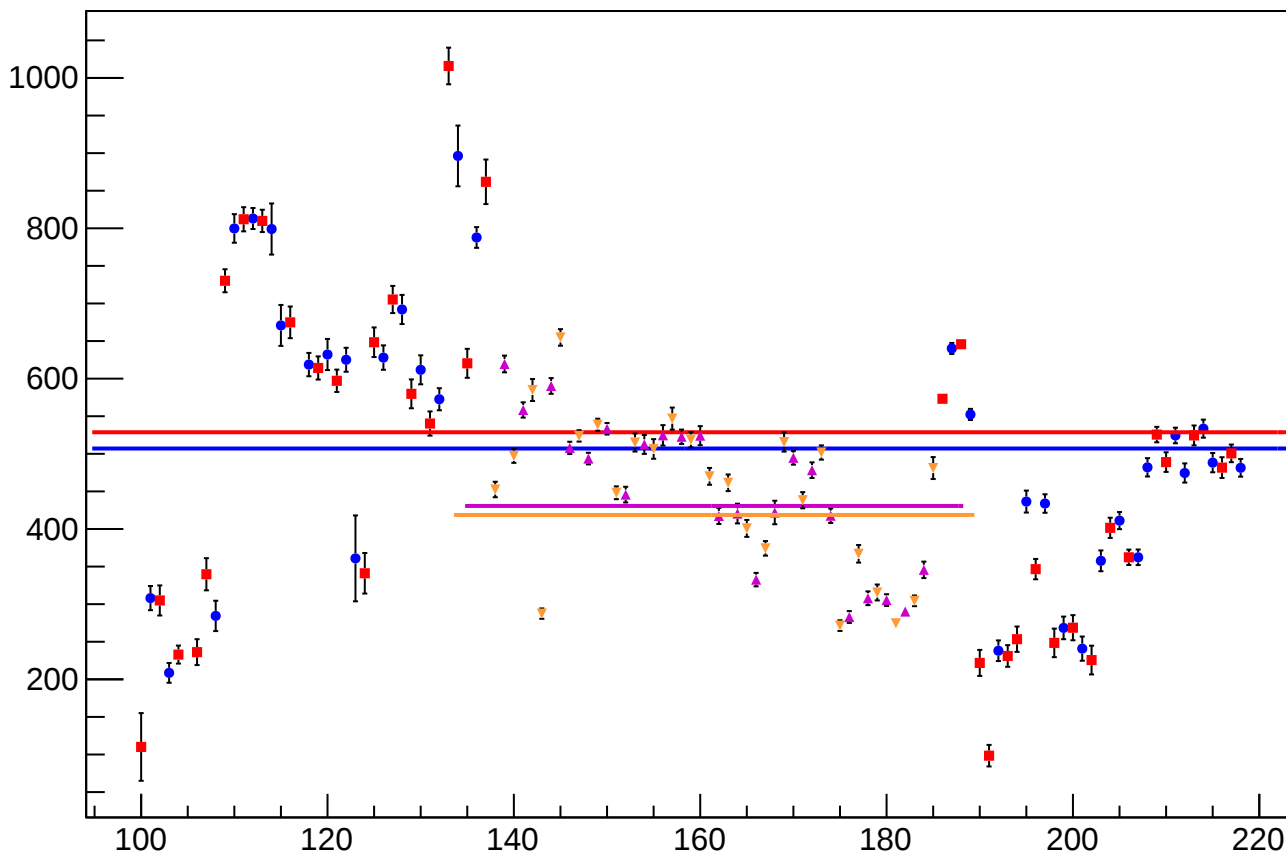
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign 2.654 ± 1.172 $\chi^2/\text{NDF}: 1476.8/57$

All: 4.020 ± 0.836 $\chi^2/\text{NDF}: 2878.5/116$

- sign 5.434 ± 1.192 $\chi^2/\text{NDF}: 1398.9/58$

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: 528.684 $\pm$ 2.044 χ^2 /NDF: 7106.2/35

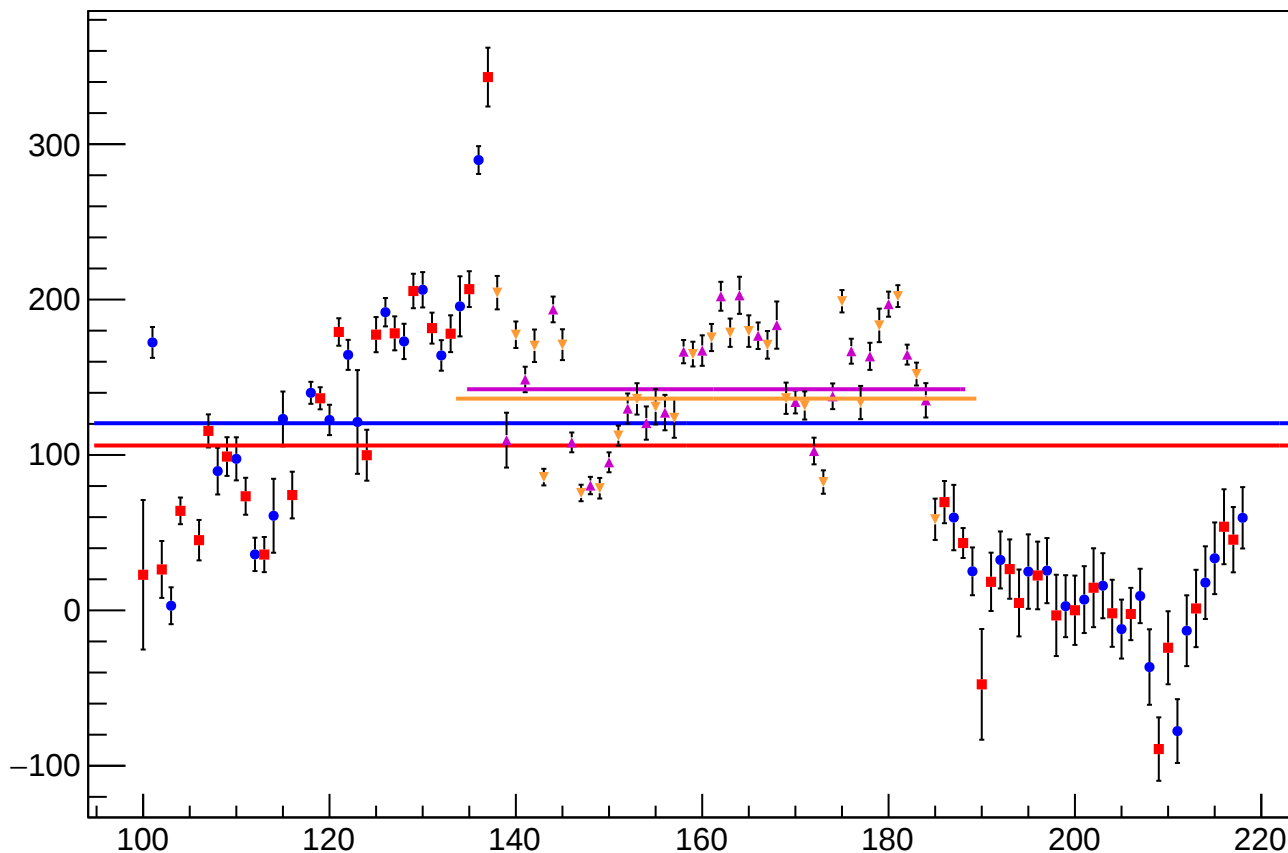
Left In: 430.640 $\pm$ 1.971 χ^2 /NDF: 2850.6/22

+ sign 453.459 $\pm$ 1.483 χ^2 /NDF: 8352.9/57

All: 466.205 $\pm$ 1.025 χ^2 /NDF: 19643.2/116

- sign 477.864 $\pm$ 1.419 χ^2 /NDF: 11149.0/58

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 120.428 $\pm$ 2.395 χ^2 /NDF: 1257.1/32

Left Out: 136.258 $\pm$ 1.651 χ^2 /NDF: 758.3/24

Right Out: 106.088 $\pm$ 2.276 χ^2 /NDF: 1114.7/35

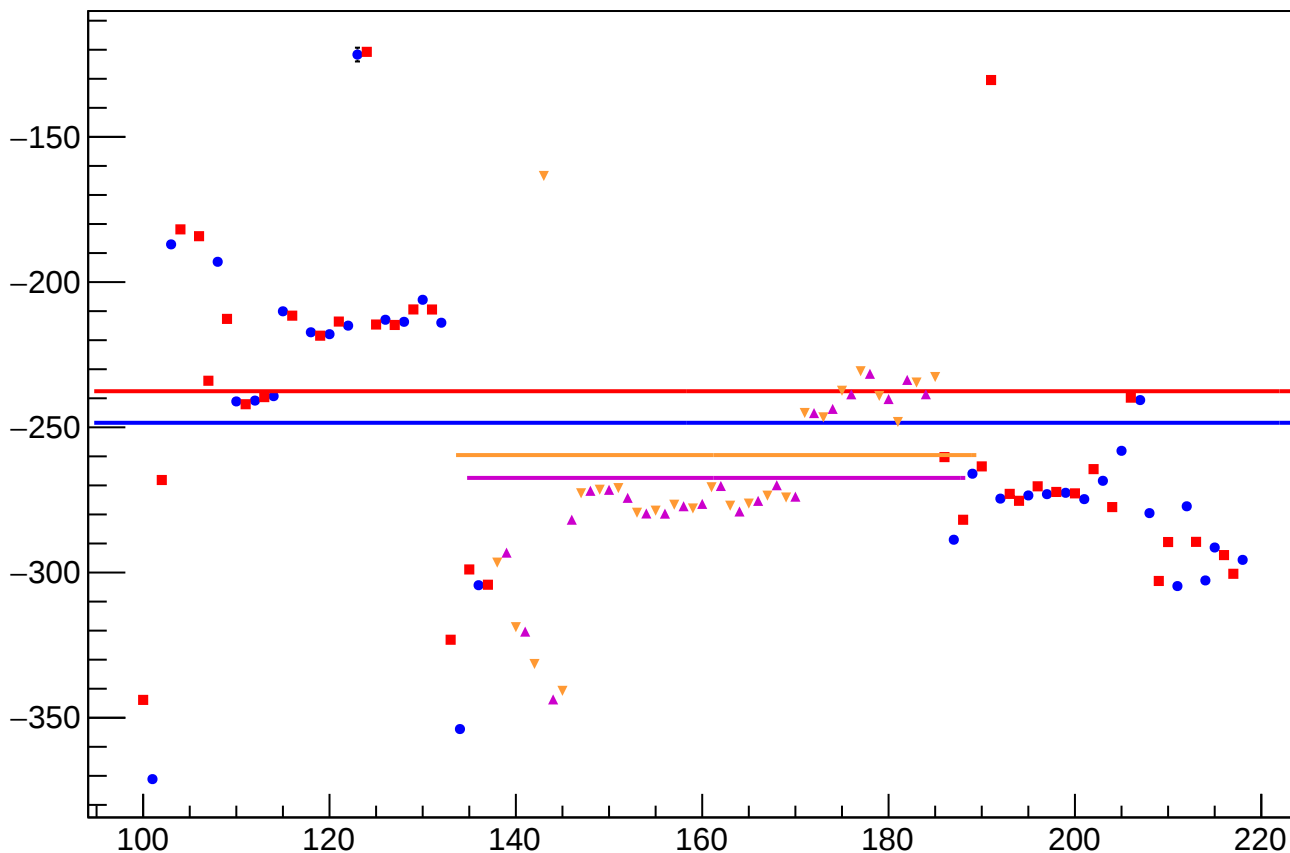
Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

+ sign 131.158 $\pm$ 1.359 χ^2 /NDF: 2045.0/57

All: 130.047 $\pm$ 0.970 χ^2 /NDF: 3780.2/116

- sign 128.894 $\pm$ 1.385 χ^2 /NDF: 1733.9/58

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: -237.571 ± 0.112 $\chi^2/\text{NDF}: 187765.0/35$

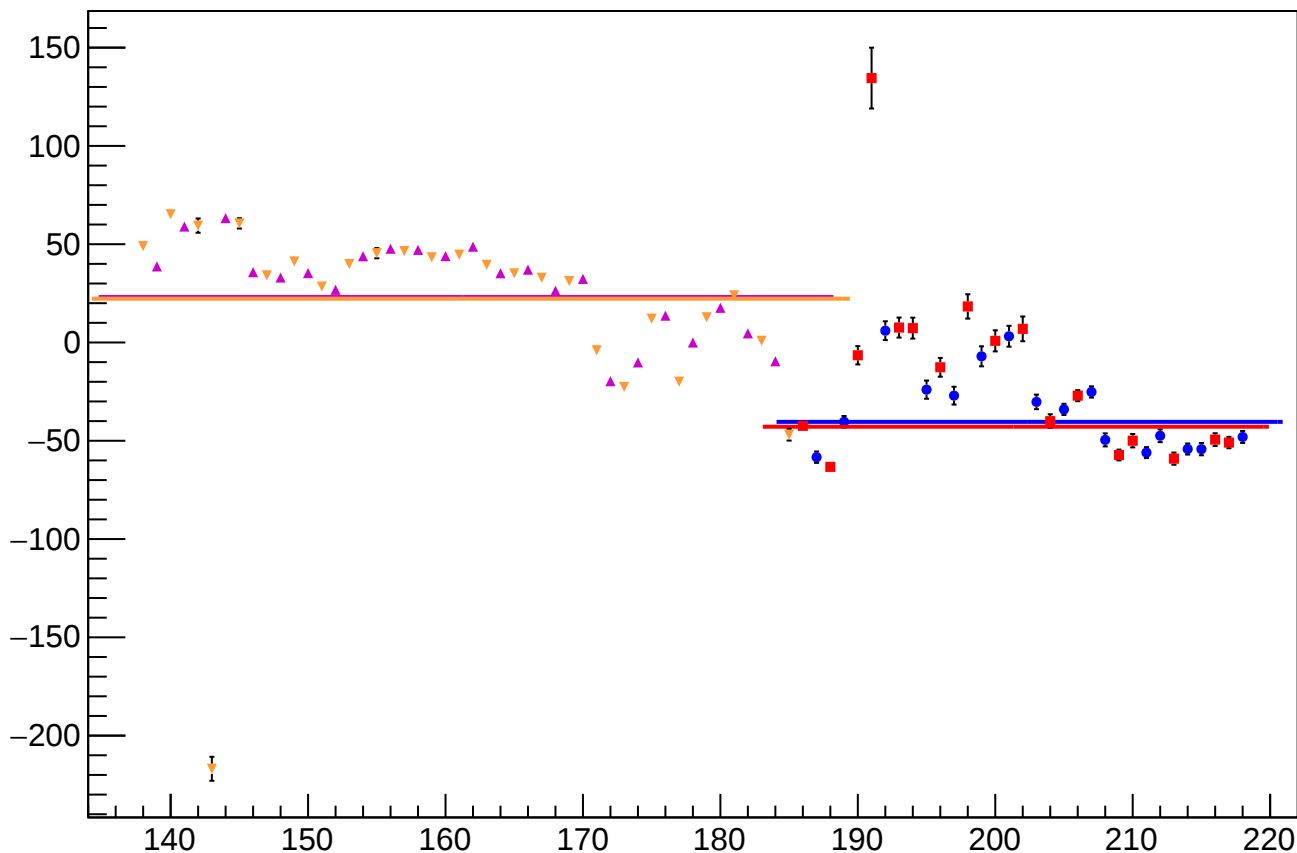
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -256.158 ± 0.066 $\chi^2/\text{NDF}: 418680.5/57$

All: -256.579 ± 0.047 $\chi^2/\text{NDF}: 751177.9/116$

- sign -256.999 ± 0.066 $\chi^2/\text{NDF}: 332415.9/58$

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: -42.857 ± 0.758 χ^2/NDF : 920.2/16

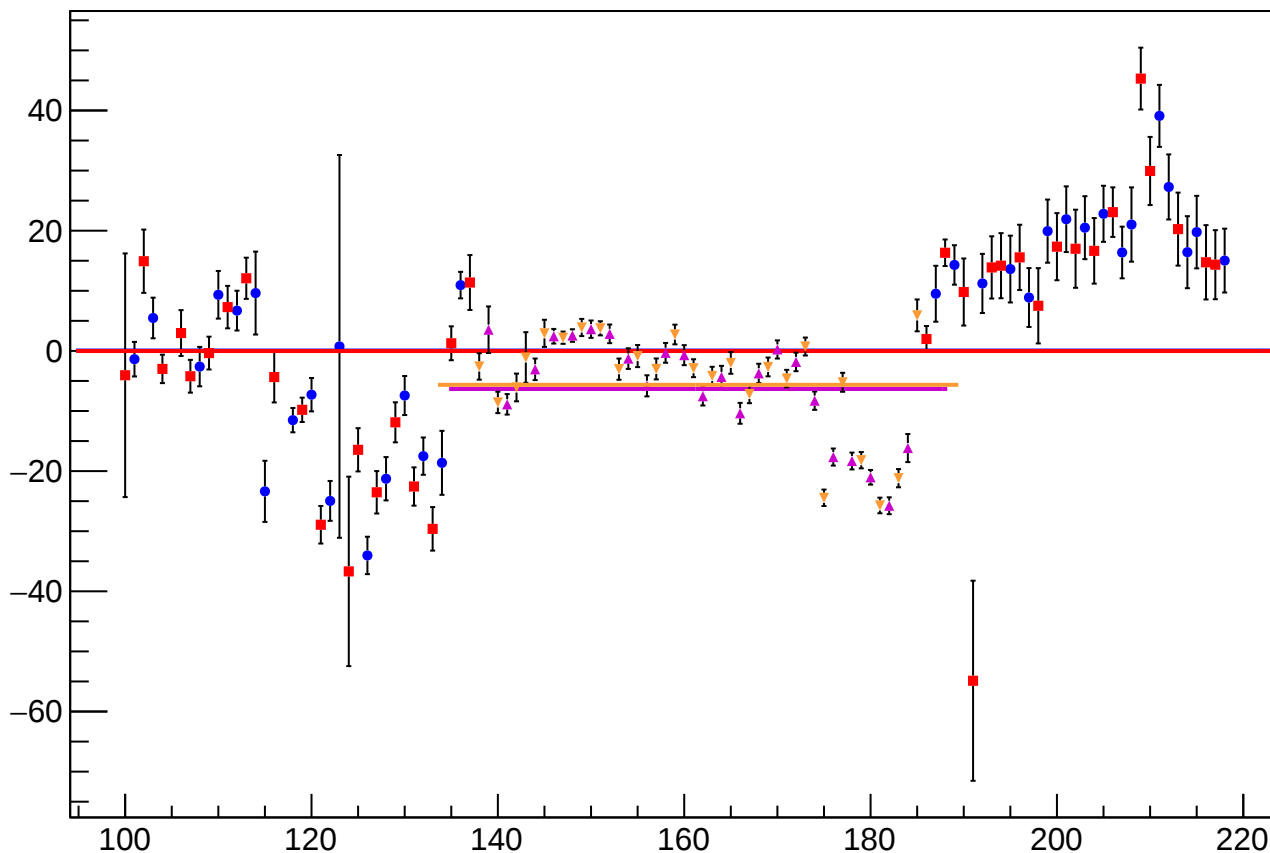
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 10.776 ± 0.360 χ^2/NDF : 10102.5/40

All: 9.718 ± 0.253 χ^2/NDF : 19699.0/80

- sign 8.692 ± 0.355 χ^2/NDF : 9579.5/39

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: -0.024 ± 0.619 χ^2/NDF : 625.3/35

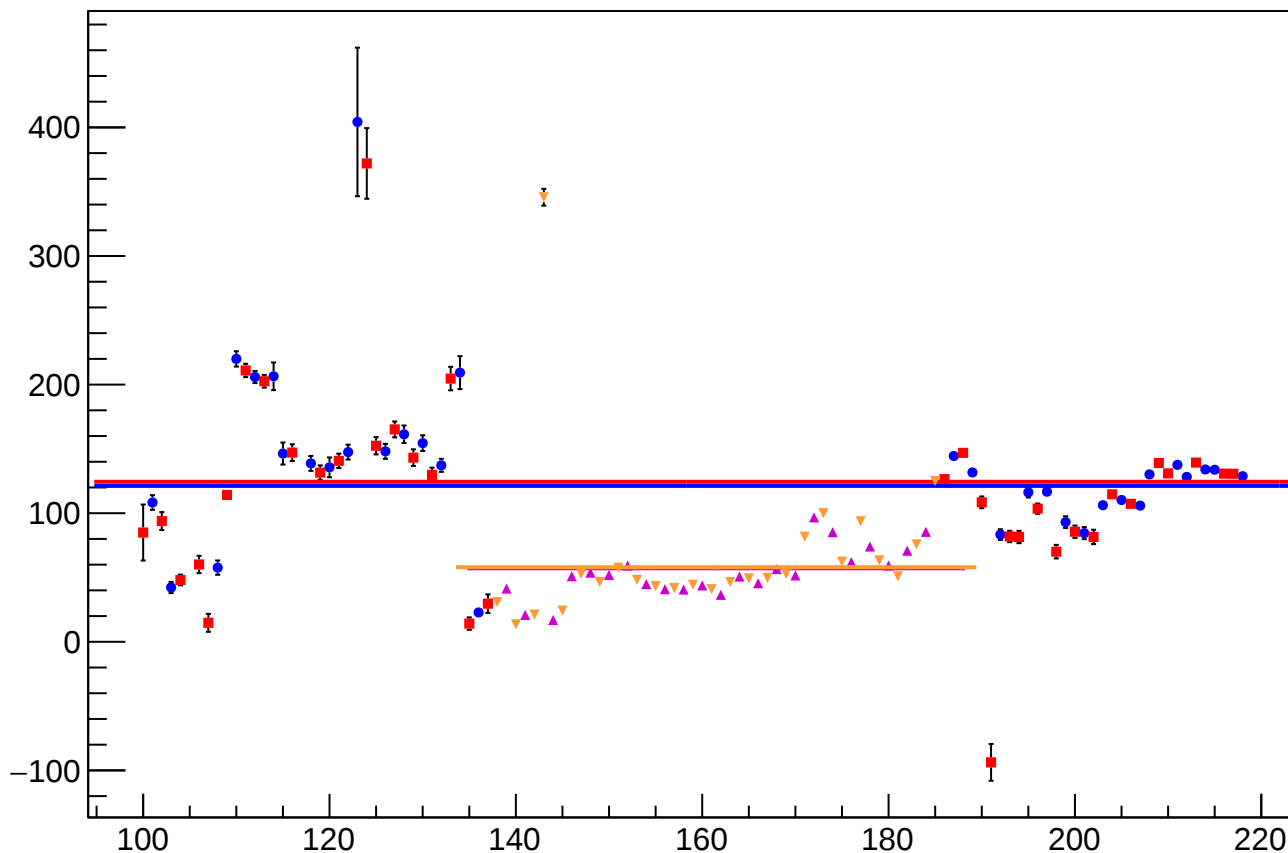
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -4.599 ± 0.285 χ^2/NDF : 1556.5/57

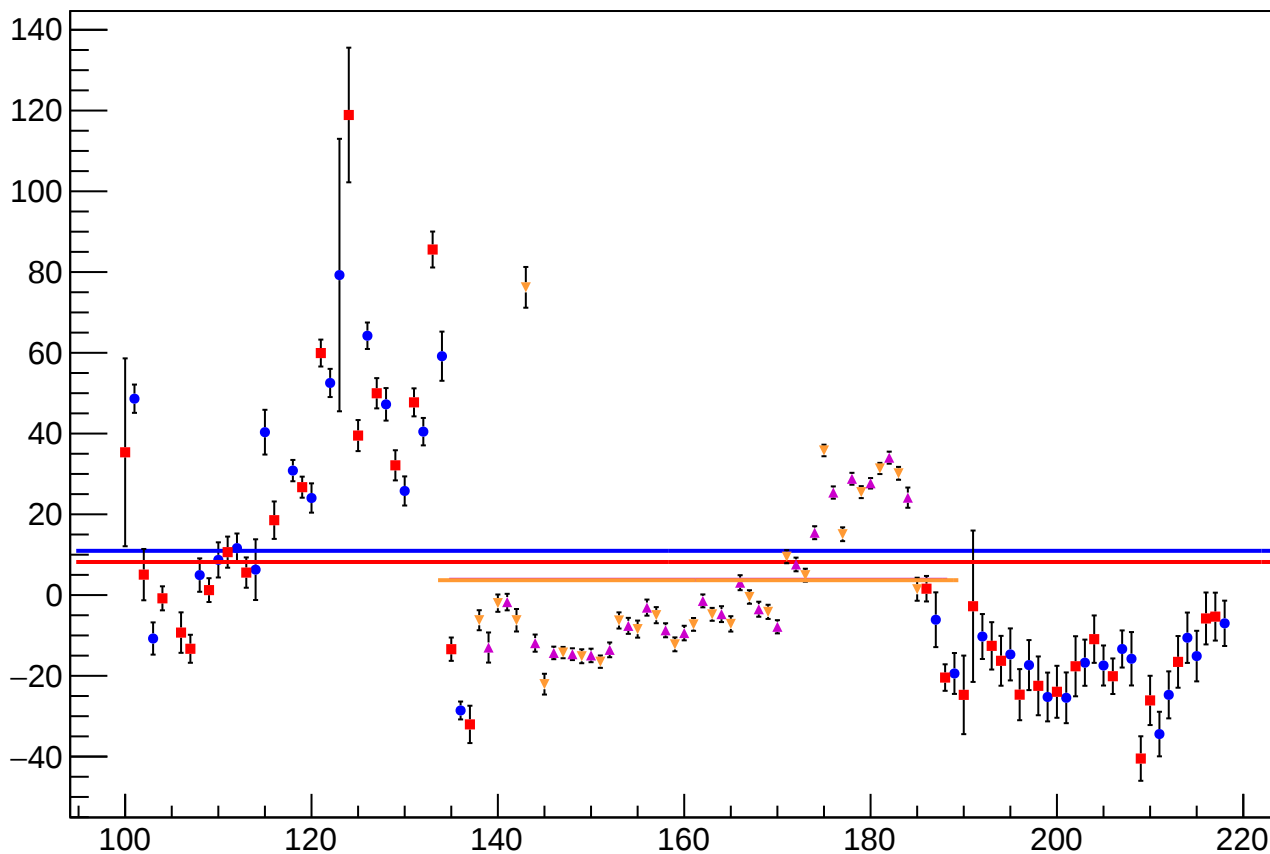
All: -4.798 ± 0.202 χ^2/NDF : 3047.7/116

- sign -4.998 ± 0.285 χ^2/NDF : 1490.3/58

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 10.957 ± 0.763 χ^2/NDF : 1619.4/32

Left Out: 3.684 ± 0.357 χ^2/NDF : 2541.7/24

Right Out: 8.193 ± 0.730 χ^2/NDF : 1592.1/35

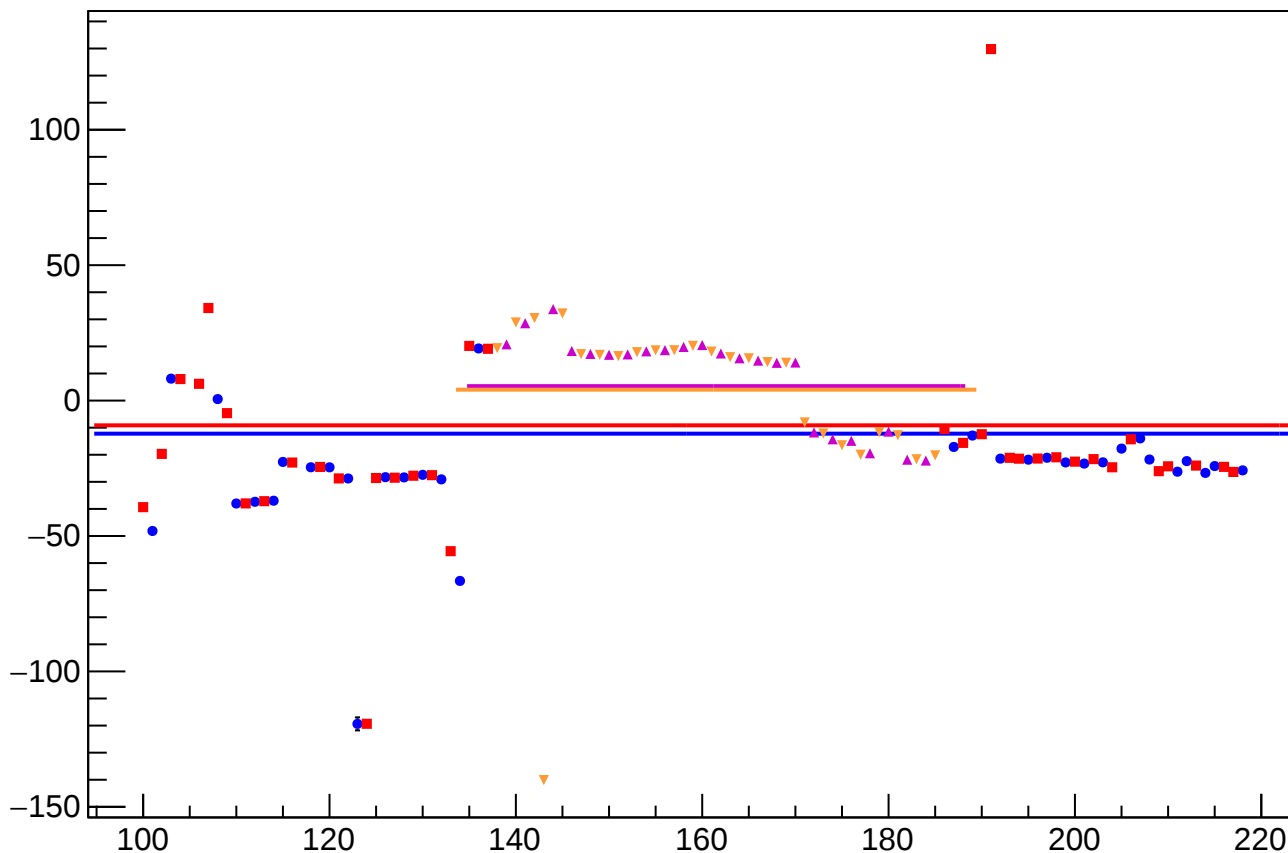
Left In: 3.786 ± 0.362 χ^2/NDF : 2198.8/22

+ sign 4.988 ± 0.323 χ^2/NDF : 4235.6/57

All: 4.822 ± 0.229 χ^2/NDF : 8056.3/116

- sign 4.655 ± 0.324 χ^2/NDF : 3820.2/58

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: -9.136 ± 0.035 χ^2/NDF : 401699.3/35

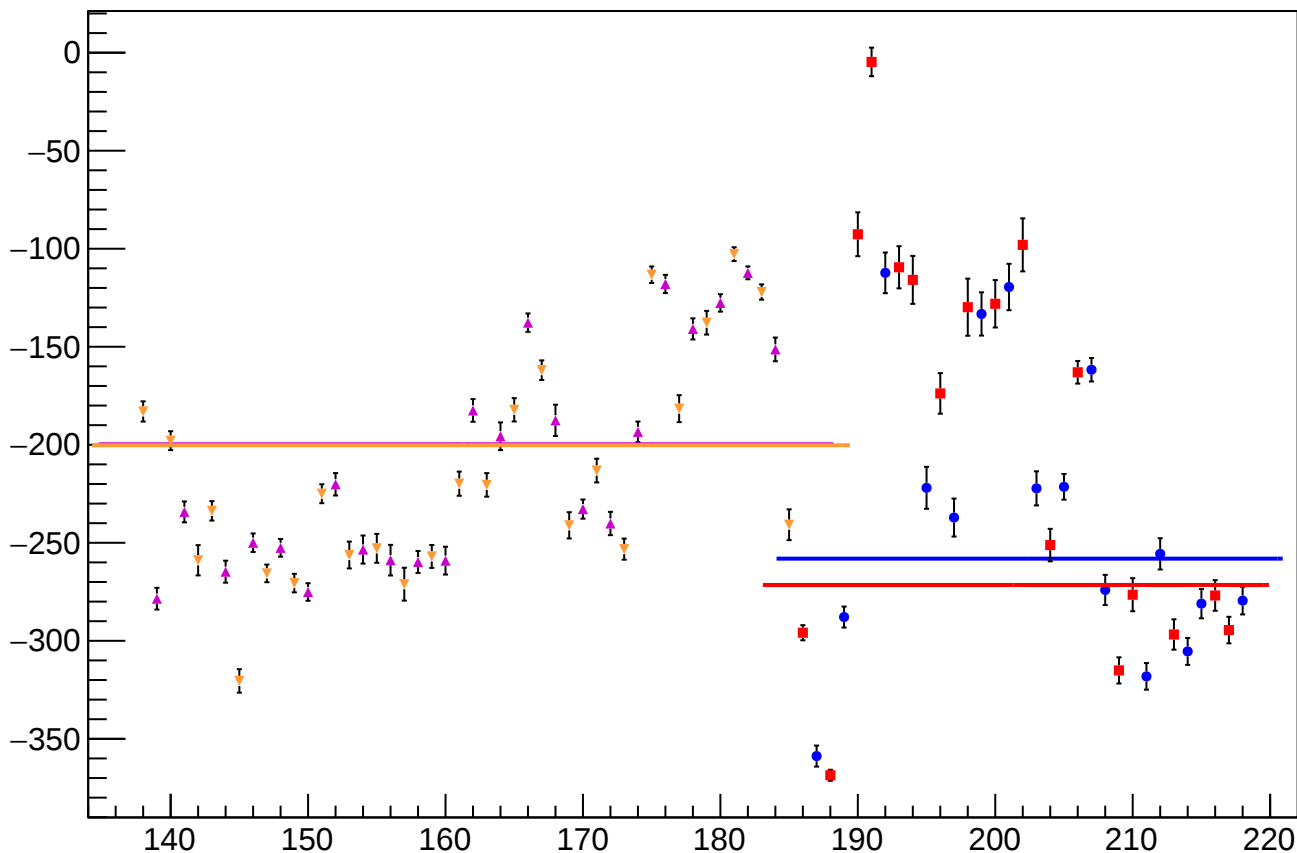
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.214 ± 0.015 χ^2/NDF : 1862552.0/57

All: 1.974 ± 0.011 χ^2/NDF : 3486808.0/116

- sign 2.735 ± 0.015 χ^2/NDF : 1619030.5/58

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: -271.516 ± 1.584 $\chi^2/\text{NDF}: 4134.3/16$

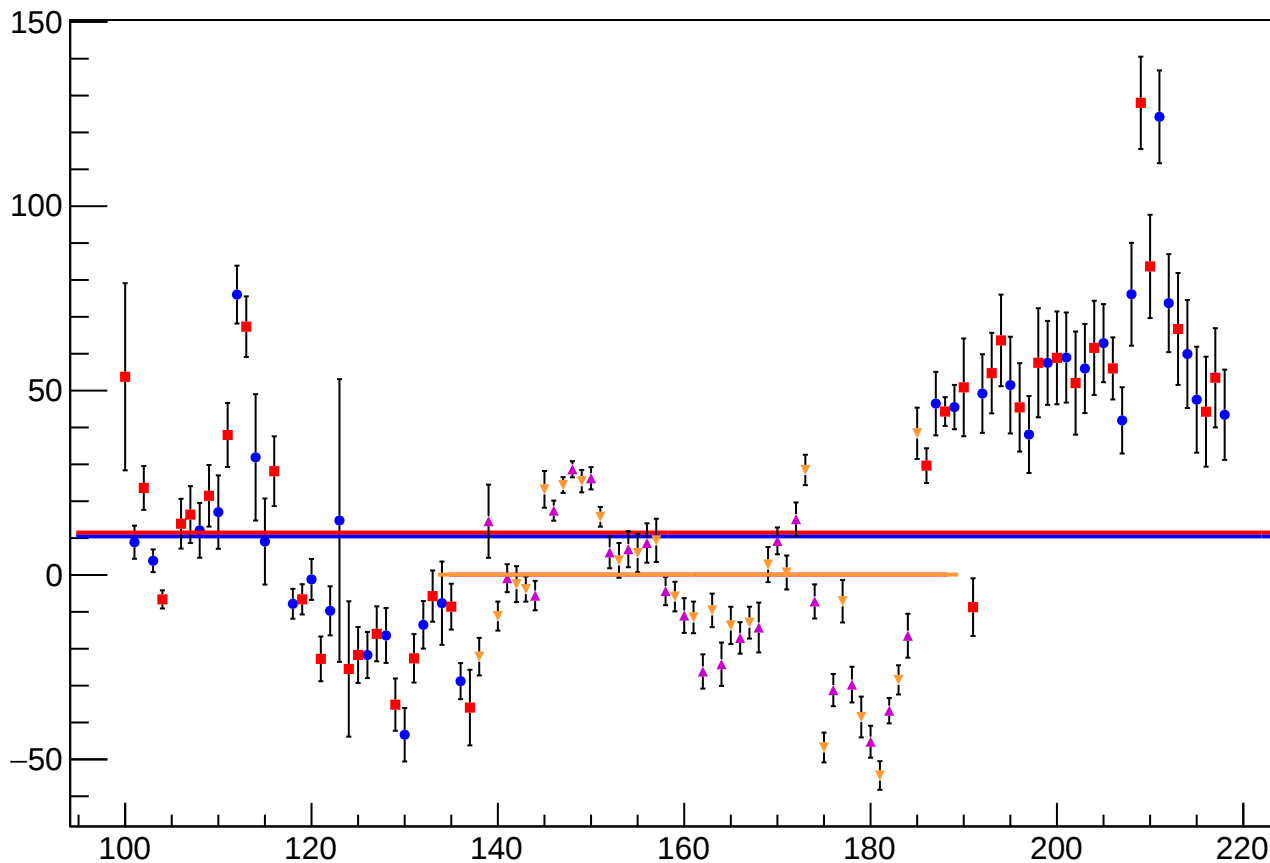
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -214.876 ± 0.931 $\chi^2/\text{NDF}: 5274.6/40$

All: -219.072 ± 0.648 $\chi^2/\text{NDF}: 13803.2/80$

- sign -223.008 ± 0.902 $\chi^2/\text{NDF}: 8489.2/39$

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: 11.513 ± 1.172 χ^2/NDF : 677.2/35

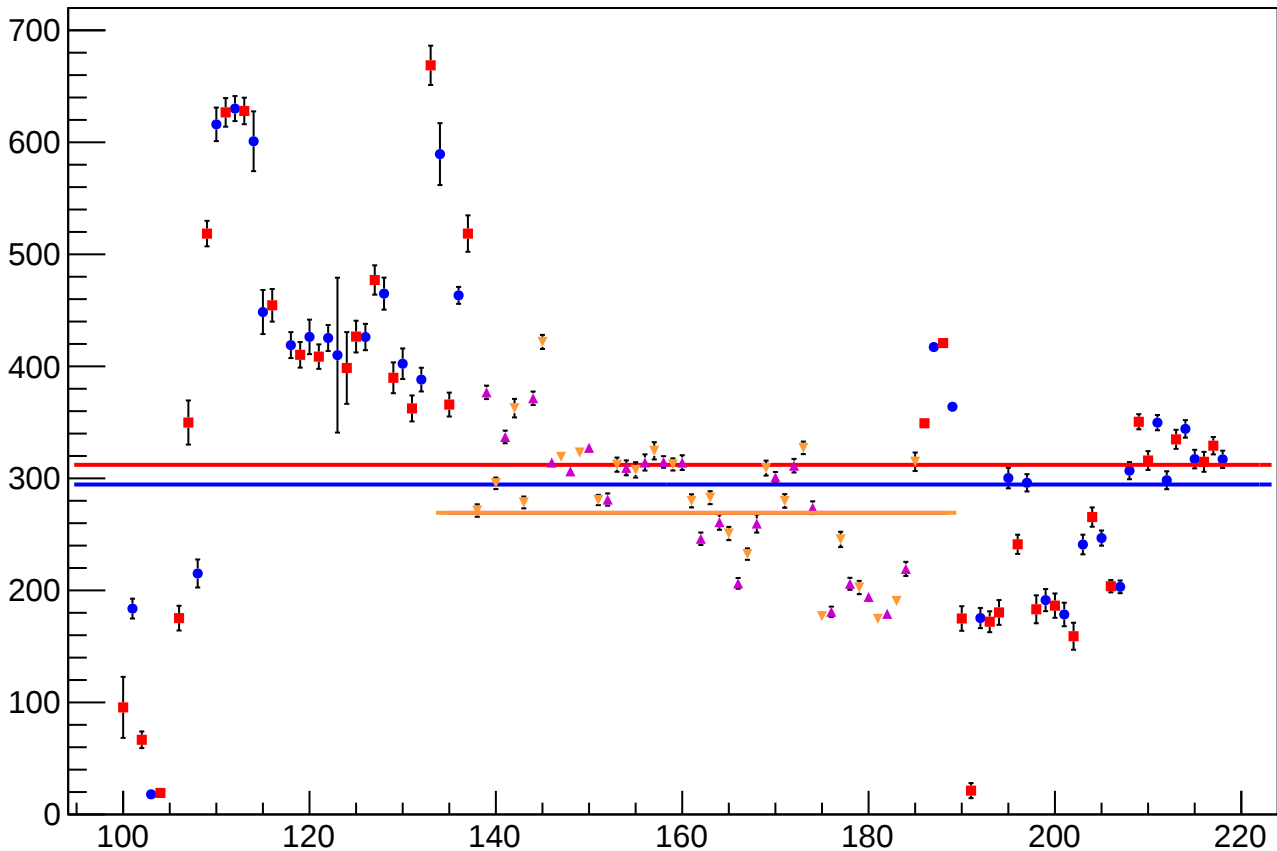
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign 3.036 ± 0.684 χ^2/NDF : 1481.1/57

All: 3.499 ± 0.483 χ^2/NDF : 2937.5/116

- sign 3.960 ± 0.682 χ^2/NDF : 1455.4/58

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: 312.082 $\pm$ 1.214 χ^2 /NDF: 14408.7/35

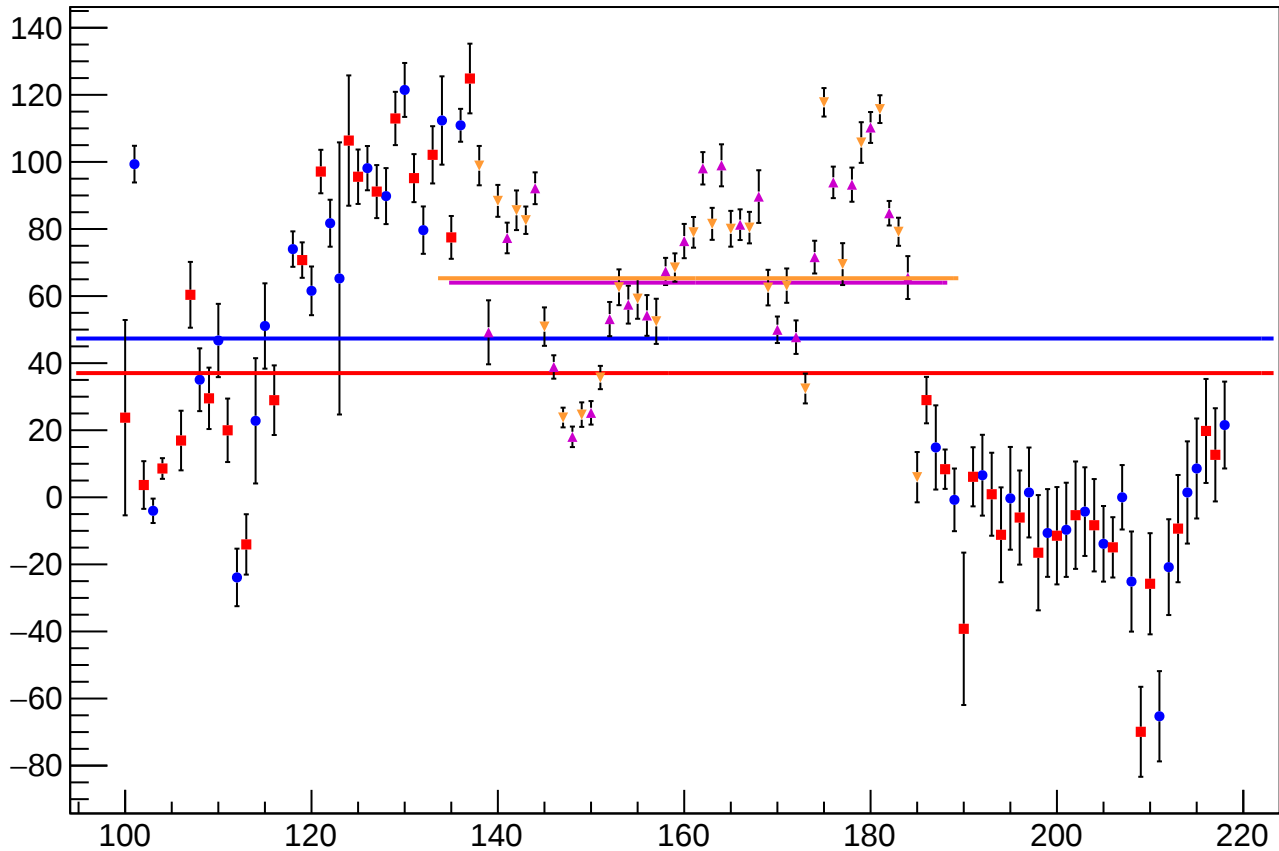
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 278.448 $\pm$ 0.860 χ^2 /NDF: 13000.0/57

All: 283.684 $\pm$ 0.590 χ^2 /NDF: 31339.8/116

- sign 288.346 $\pm$ 0.811 χ^2 /NDF: 18269.7/58

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.345 ± 1.496 $\chi^2/\text{NDF}: 1106.7/32$

Left Out: 65.323 ± 0.935 $\chi^2/\text{NDF}: 1007.1/24$

Right Out: 37.035 ± 1.408 $\chi^2/\text{NDF}: 964.1/35$

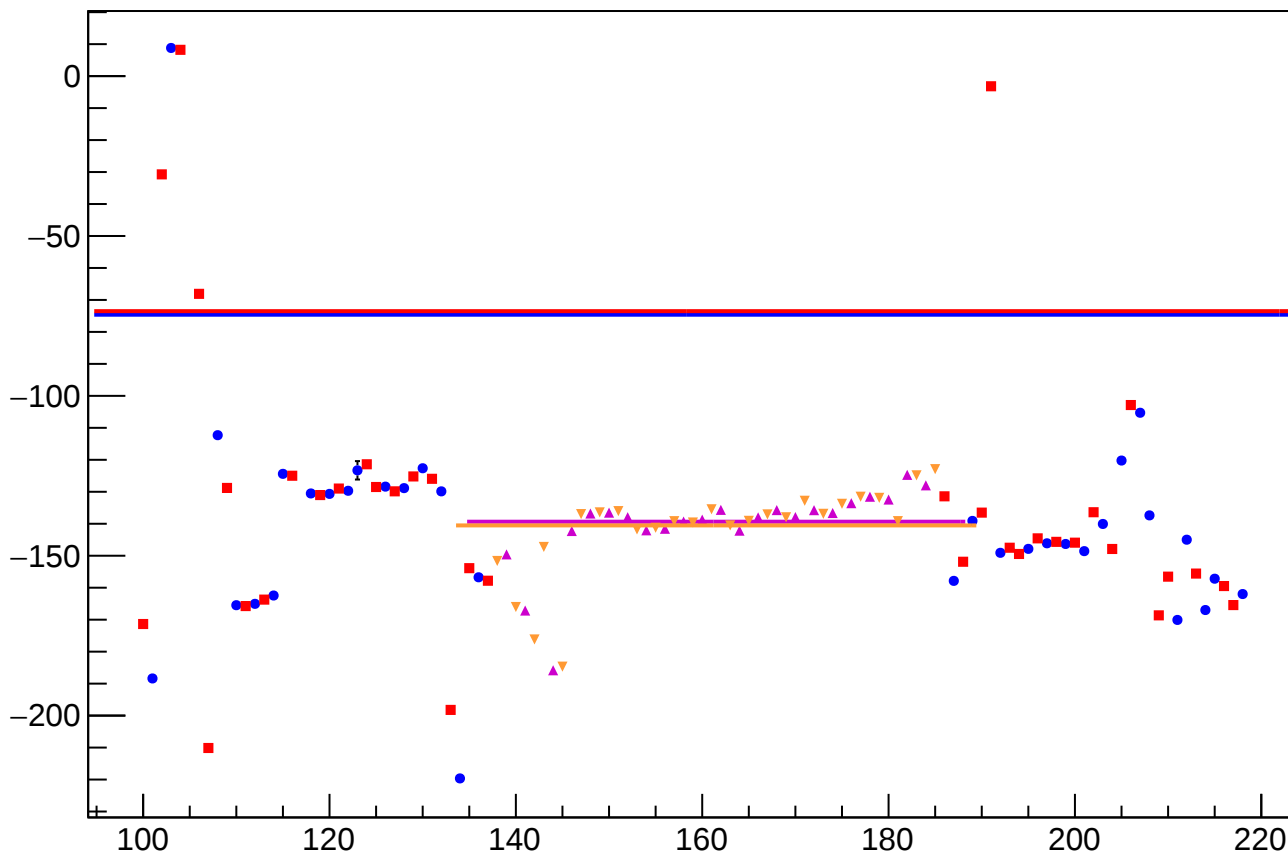
Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

+ sign 60.275 ± 0.793 $\chi^2/\text{NDF}: 2217.6/57$

All: 57.849 ± 0.561 $\chi^2/\text{NDF}: 4249.8/116$

- sign 55.410 ± 0.795 $\chi^2/\text{NDF}: 2013.4/58$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -74.618 ± 0.061 $\chi^2/\text{NDF}: 1623744.6/32$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -73.508 ± 0.060 $\chi^2/\text{NDF}: 1458157.4/35$

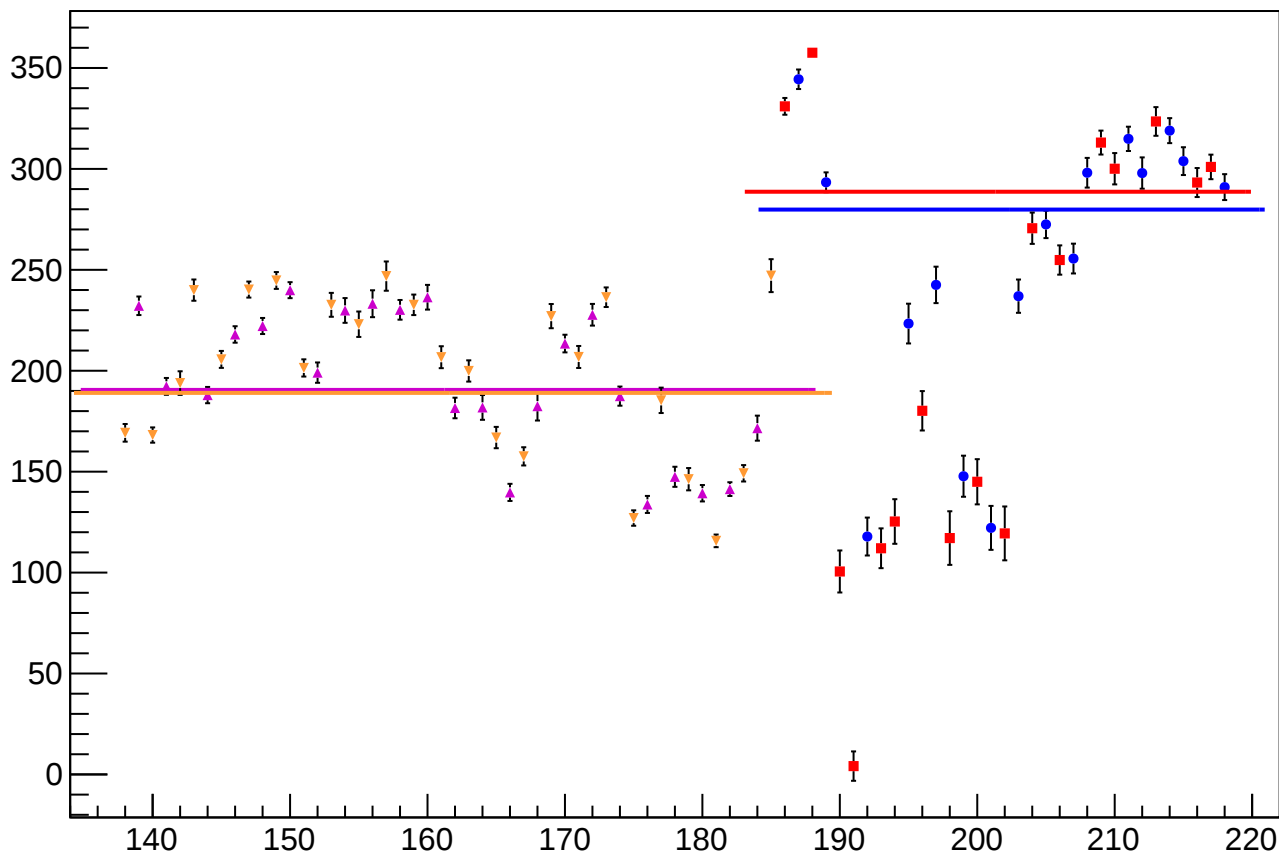
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.746 ± 0.036 $\chi^2/\text{NDF}: 2457282.4/57$

All: -116.665 ± 0.025 $\chi^2/\text{NDF}: 4752423.8/11$

- sign -115.587 ± 0.036 $\chi^2/\text{NDF}: 2293344.6/58$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 279.851 ± 1.754 $\chi^2/\text{NDF}: 1050.6/15$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 288.690 ± 1.507 $\chi^2/\text{NDF}: 3945.1/16$

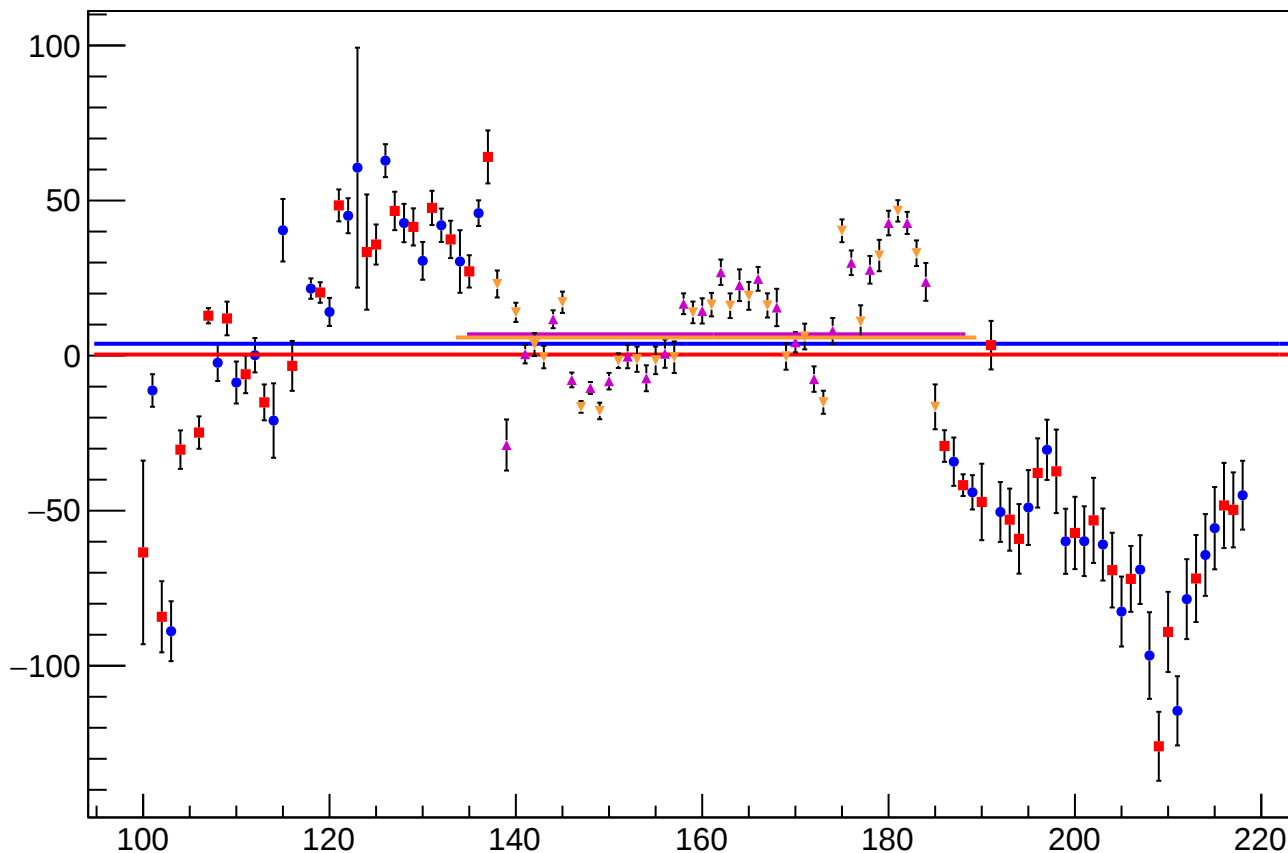
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 209.825 ± 0.839 $\chi^2/\text{NDF}: 5098.5/40$

All: 214.777 ± 0.586 $\chi^2/\text{NDF}: 13517.2/80$

- sign 219.488 ± 0.819 $\chi^2/\text{NDF}: 8350.7/39$

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: 0.341 ± 1.056 $\chi^2/\text{NDF}: 1220.0/35$

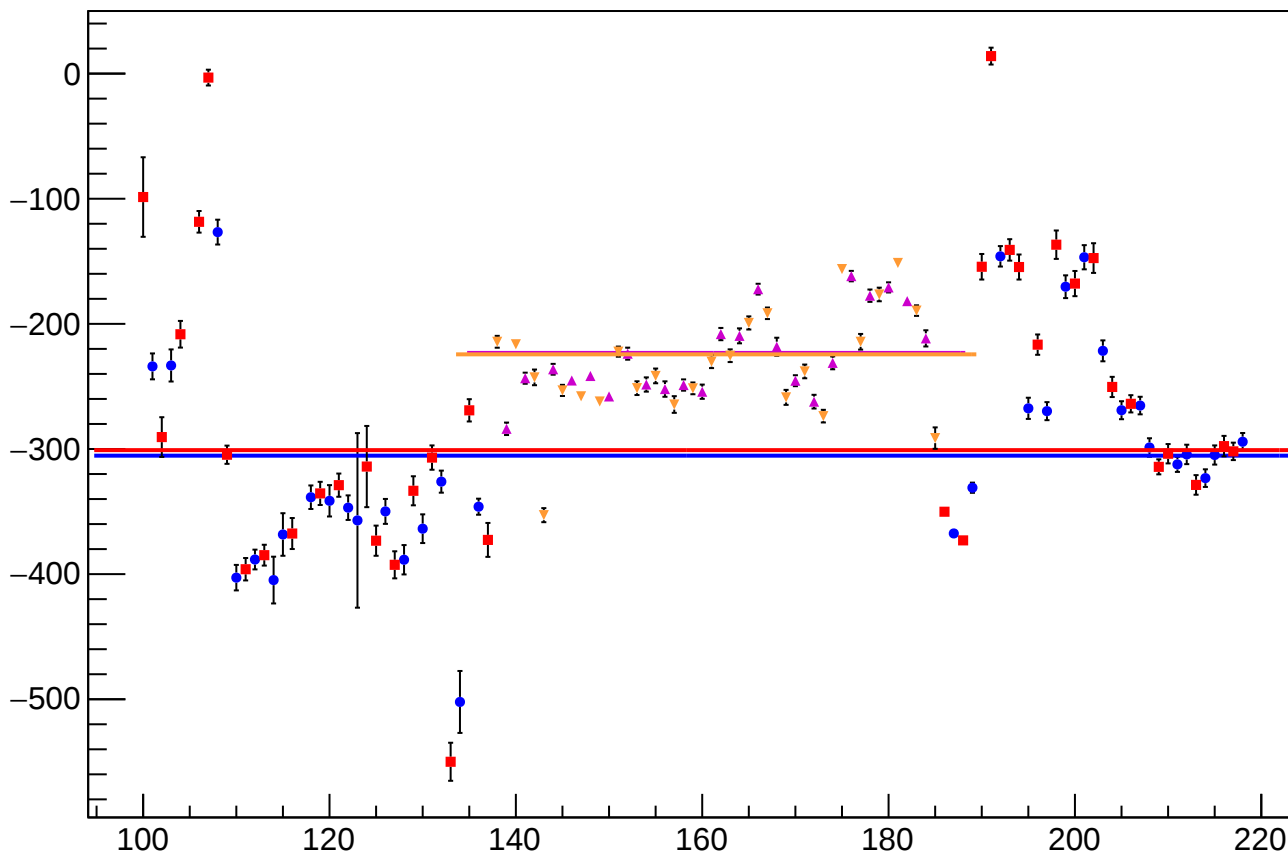
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 5.324 ± 0.616 $\chi^2/\text{NDF}: 1844.6/57$

All: 5.021 ± 0.431 $\chi^2/\text{NDF}: 3613.5/116$

- sign 4.729 ± 0.604 $\chi^2/\text{NDF}: 1768.4/58$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -305.327 ± 1.389 χ^2/NDF : 2259.6/32

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -300.909 ± 1.154 χ^2/NDF : 8677.8/35

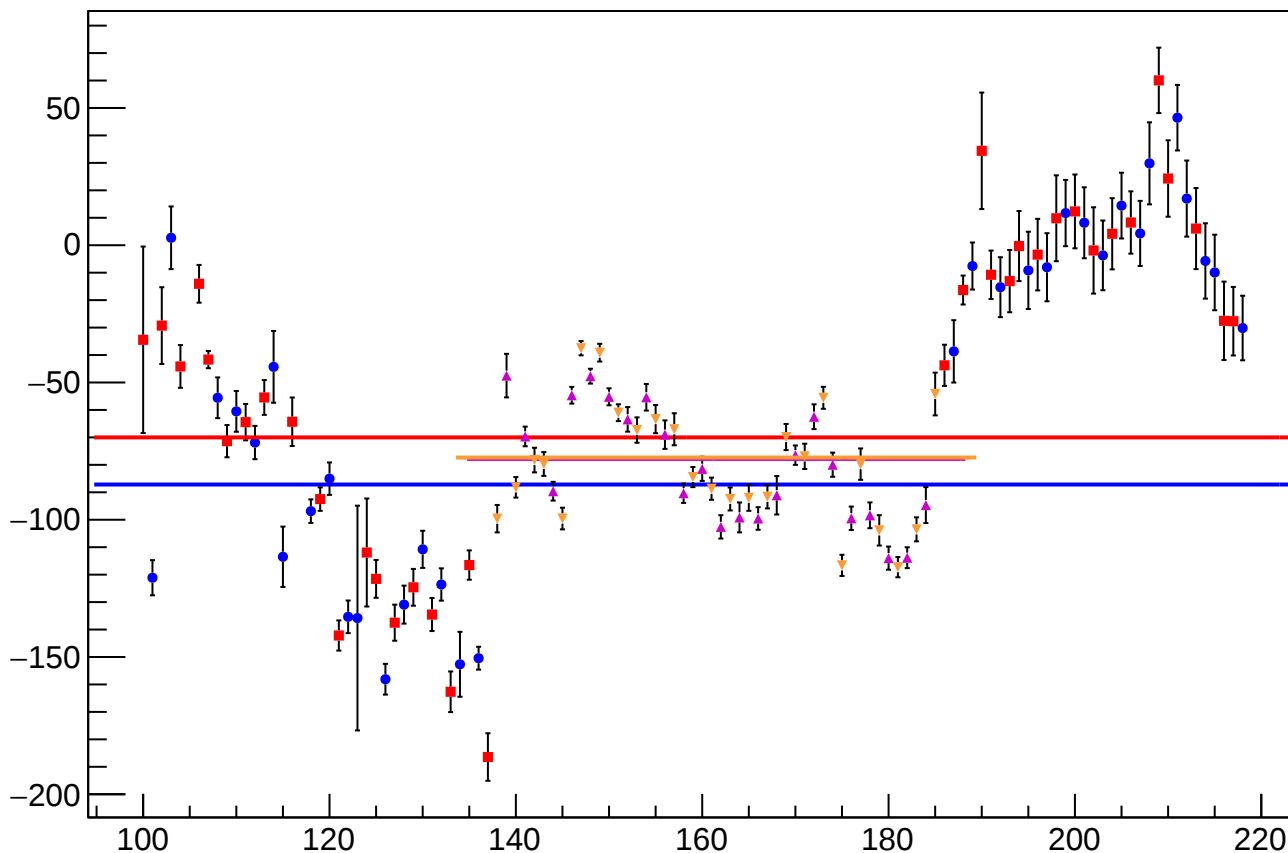
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -250.383 ± 0.788 χ^2/NDF : 6667.6/57

All: -253.010 ± 0.540 χ^2/NDF : 19292.3/116

- sign -255.344 ± 0.742 χ^2/NDF : 12603.7/58

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: -70.001 ± 1.260 $\chi^2/\text{NDF}: 1776.0/35$

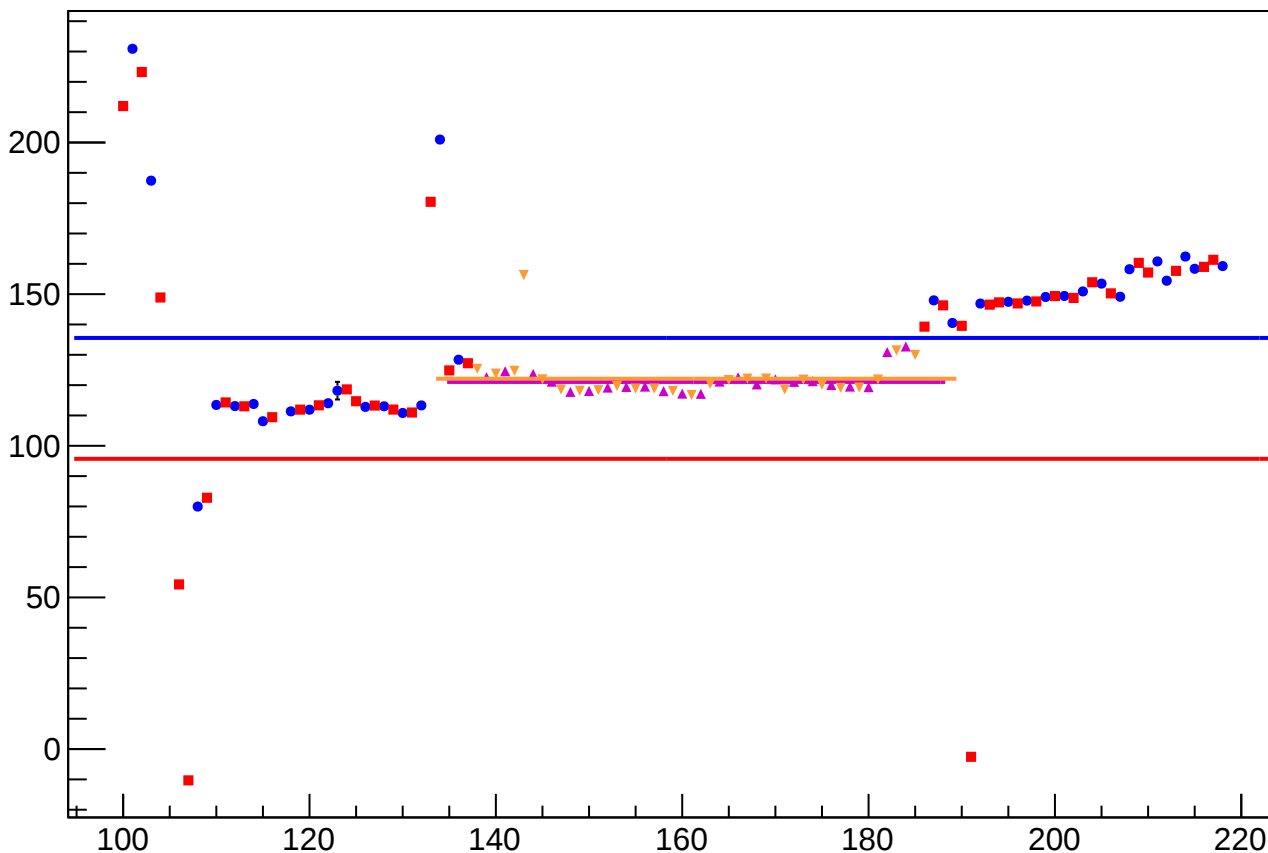
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -79.843 ± 0.714 $\chi^2/\text{NDF}: 2459.9/57$

All: -77.587 ± 0.501 $\chi^2/\text{NDF}: 4905.0/116$

- sign -75.392 ± 0.704 $\chi^2/\text{NDF}: 2425.5/58$

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: 95.705 $\pm$ 0.061 χ^2 /NDF: 1175412.5/35

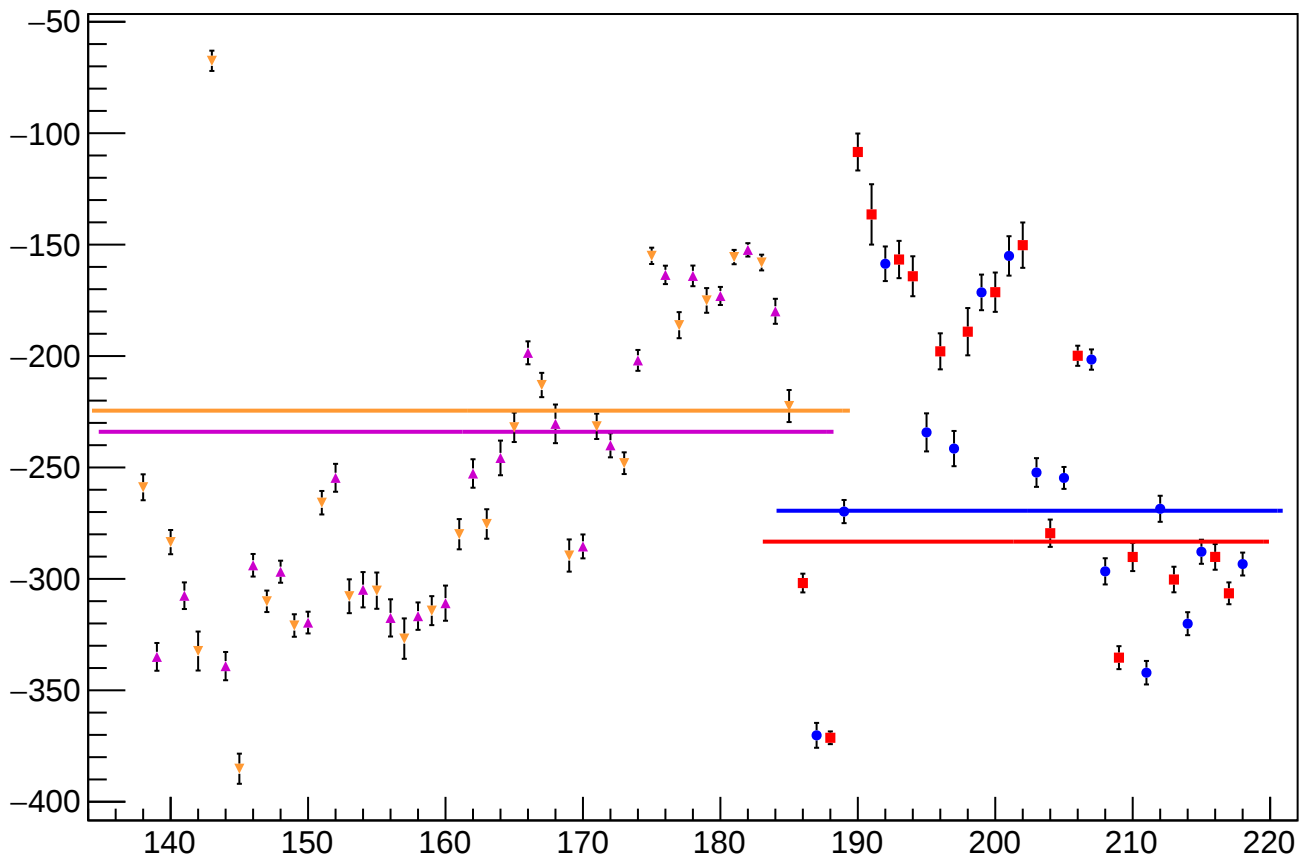
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 125.237 $\pm$ 0.035 χ^2 /NDF: 270521.6/57

All: 119.164 $\pm$ 0.024 χ^2 /NDF: 1634537.9/116

- sign 113.517 $\pm$ 0.033 χ^2 /NDF: 1304366.9/58

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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: -283.282 ± 1.396 $\chi^2/\text{NDF}: 2939.1/16$

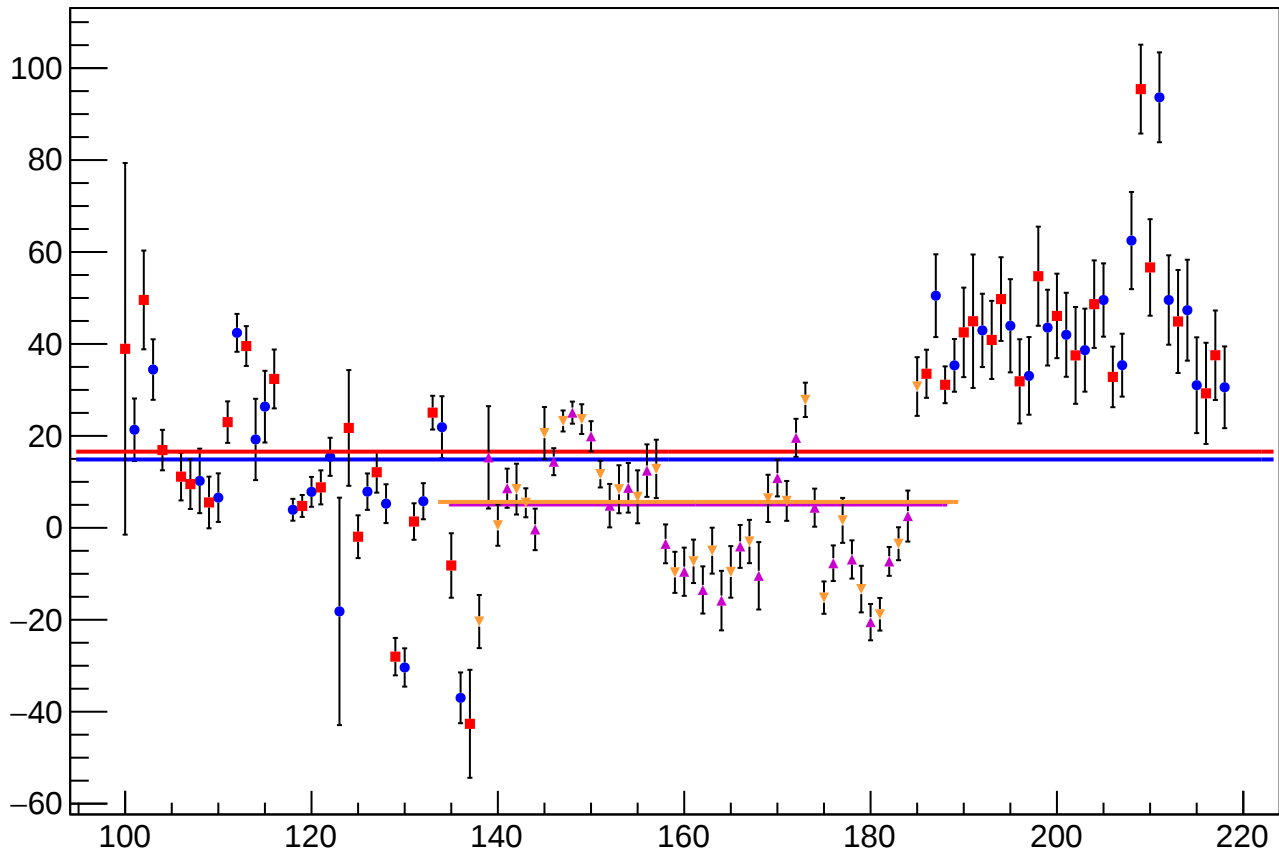
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -240.197 ± 0.870 $\chi^2/\text{NDF}: 6931.7/40$

All: -246.643 ± 0.615 $\chi^2/\text{NDF}: 14283.6/80$

- sign -253.056 ± 0.868 $\chi^2/\text{NDF}: 7242.4/39$

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: 16.572 ± 0.940 $\chi^2/\text{NDF}: 473.3/35$

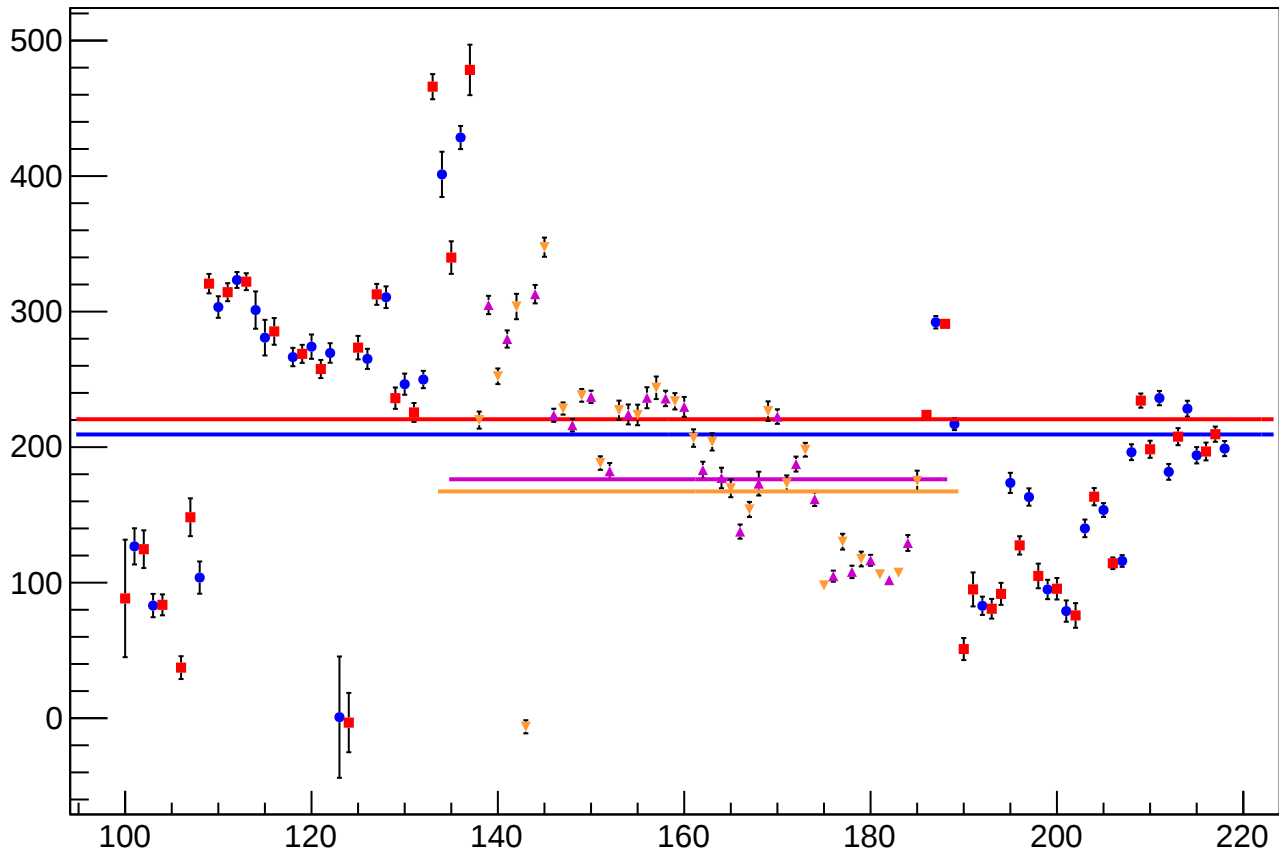
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 9.475 ± 0.633 $\chi^2/\text{NDF}: 895.5/57$

All: 9.920 ± 0.449 $\chi^2/\text{NDF}: 1690.0/116$

- sign 10.372 ± 0.638 $\chi^2/\text{NDF}: 793.6/58$

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: 220.580 $\pm$ 1.072 χ^2 /NDF: 6613.7/35

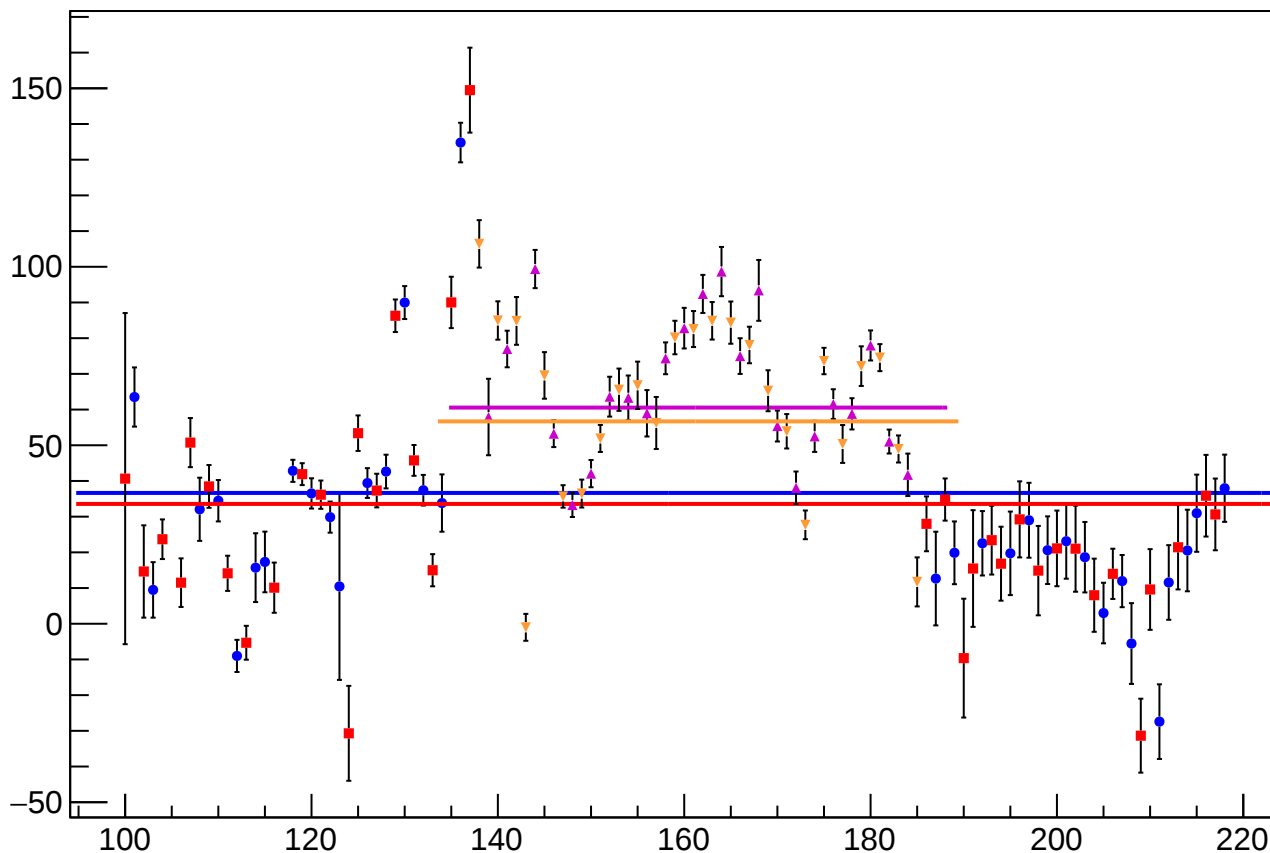
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 186.626 $\pm$ 0.796 χ^2 /NDF: 9410.9/57

All: 193.084 $\pm$ 0.553 χ^2 /NDF: 20149.5/116

- sign 199.120 $\pm$ 0.770 χ^2 /NDF: 10611.3/58

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.648 ± 1.134 χ^2/NDF : 698.9/32

Left Out: 56.695 ± 0.952 χ^2/NDF : 690.4/24

Right Out: 33.566 ± 1.098 χ^2/NDF : 555.6/35

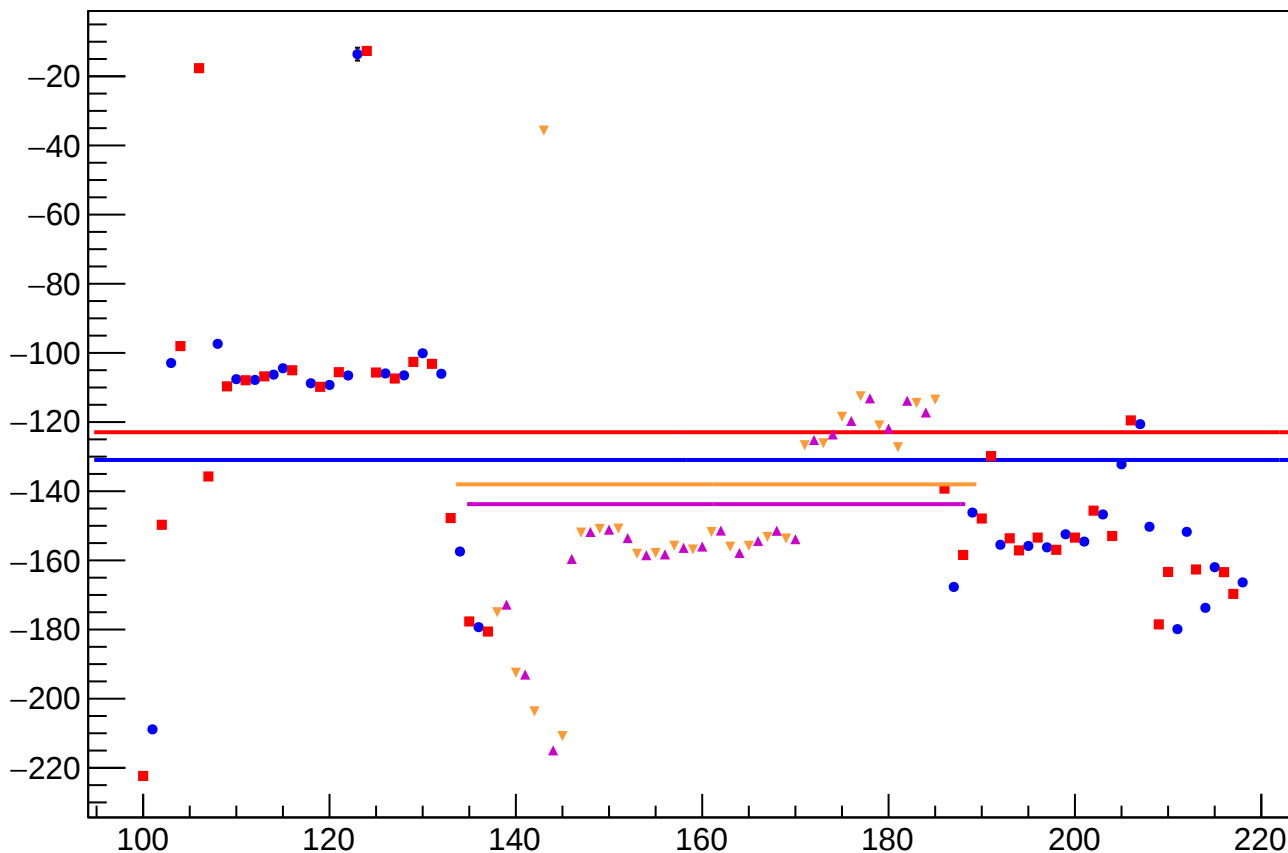
Left In: 60.555 ± 0.990 χ^2/NDF : 335.6/22

+ sign 48.410 ± 0.729 χ^2/NDF : 1572.7/57

All: 48.431 ± 0.518 χ^2/NDF : 2797.1/116

- sign 48.453 ± 0.735 χ^2/NDF : 1224.4/58

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: -122.939+/-0.057 χ^2/NDF : 490752.3/35

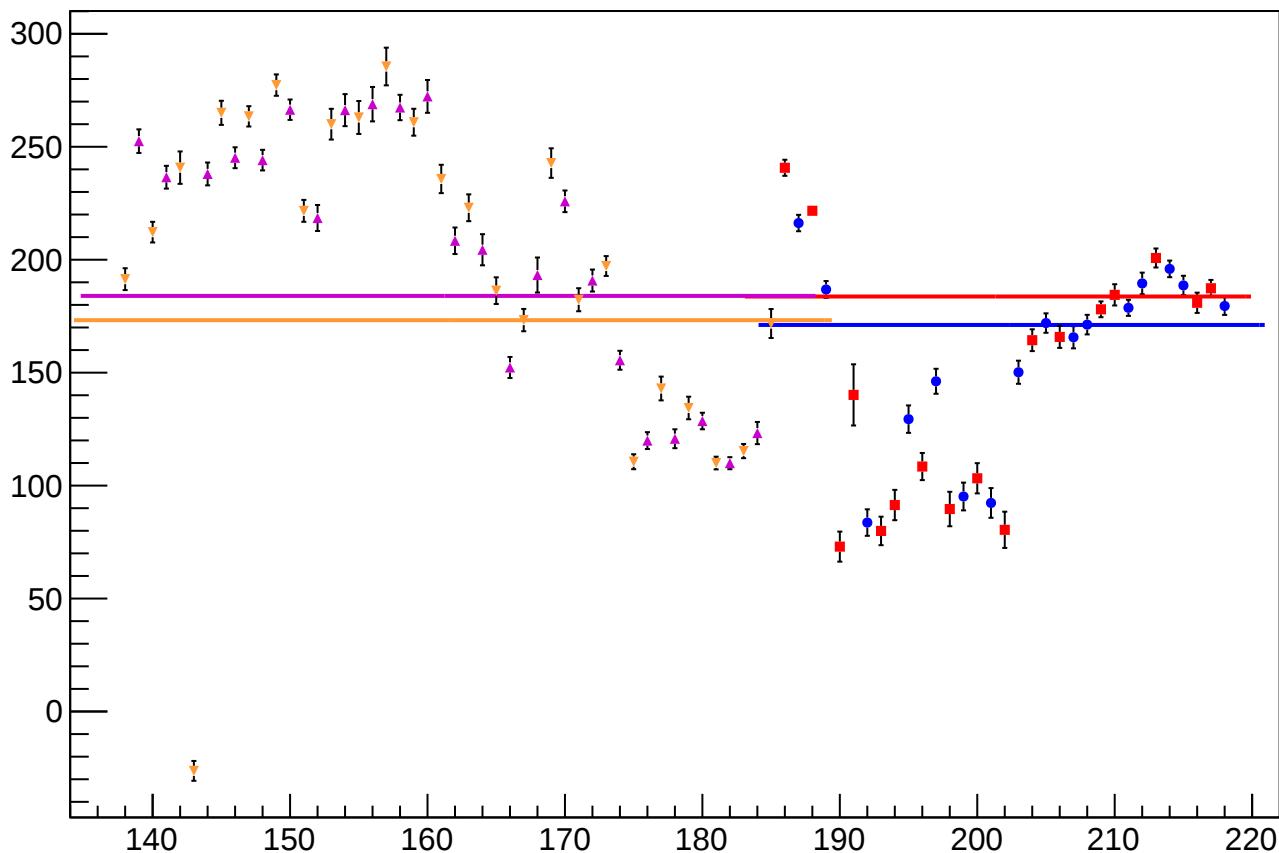
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -135.484+/-0.036 χ^2/NDF : 808377.5/57

All: -135.516+/-0.025 χ^2/NDF : 1637663.4/11

- sign -135.548+/-0.036 χ^2/NDF : 829284.4/58

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 171.123 $\pm$ 1.126 χ^2 /NDF: 862.0/15

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF: 5846.0/24

Right Out: 183.713 $\pm$ 1.044 χ^2 /NDF: 2087.8/16

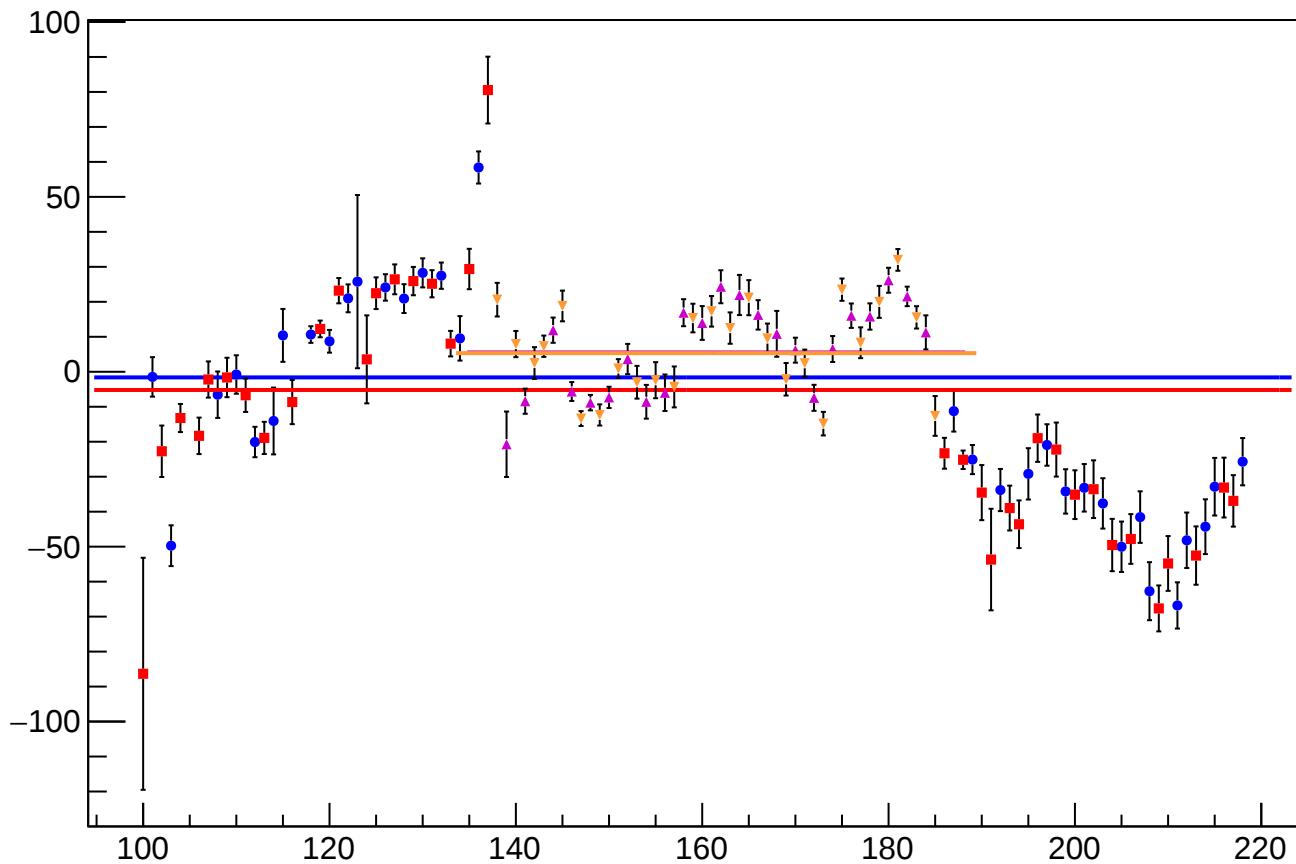
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF: 3613.7/22

+ sign 172.337 $\pm$ 0.733 χ^2 /NDF: 6710.0/40

All: 178.208 $\pm$ 0.513 χ^2 /NDF: 12537.4/80

- sign 183.856 $\pm$ 0.719 χ^2 /NDF: 5701.5/39

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: -5.201 ± 0.855 $\chi^2/\text{NDF}: 950.5/35$

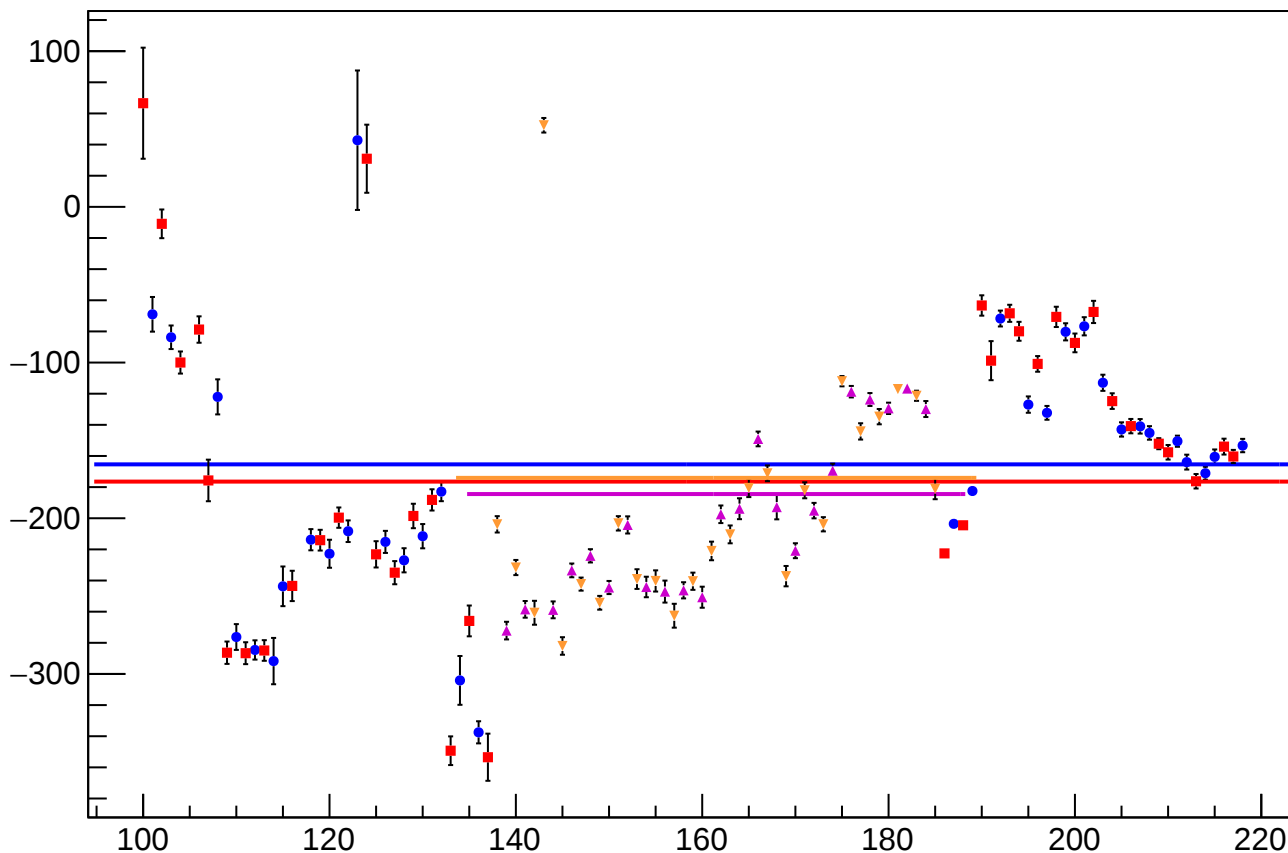
Left In: 5.527 ± 0.781 $\chi^2/\text{NDF}: 256.3/22$

+ sign 2.493 ± 0.575 $\chi^2/\text{NDF}: 1381.4/57$

All: 1.573 ± 0.407 $\chi^2/\text{NDF}: 2679.1/116$

- sign 0.647 ± 0.577 $\chi^2/\text{NDF}: 1292.6/58$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -165.387 ± 0.950 $\chi^2/\text{NDF}: 3151.3/32$

Left Out: -174.061 ± 0.971 $\chi^2/\text{NDF}: 5443.3/24$

Right Out: -176.458 ± 0.848 $\chi^2/\text{NDF}: 5019.8/35$

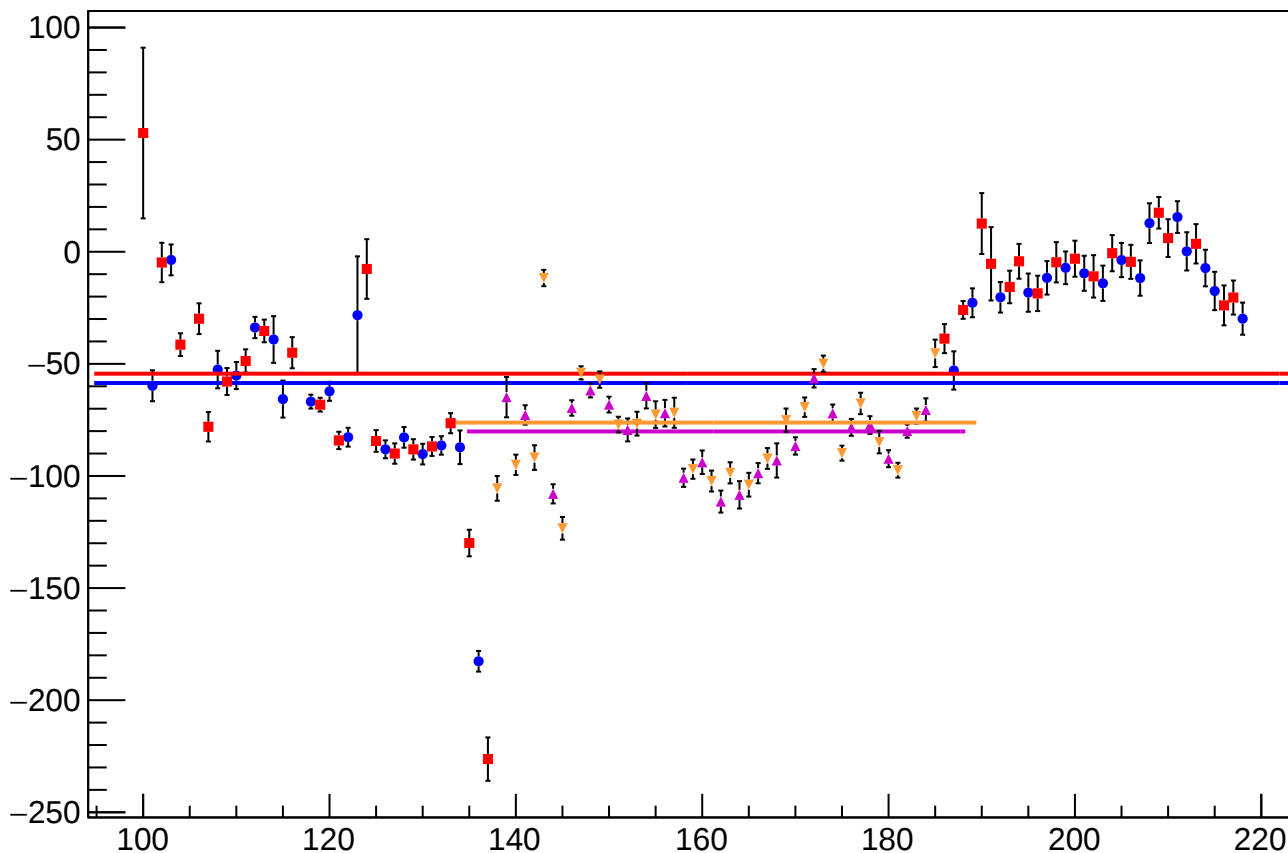
Left In: -184.456 ± 0.991 $\chi^2/\text{NDF}: 3051.6/22$

+ sign -169.630 ± 0.679 $\chi^2/\text{NDF}: 8635.4/57$

All: -175.003 ± 0.467 $\chi^2/\text{NDF}: 16863.4/116$

- sign -179.841 ± 0.644 $\chi^2/\text{NDF}: 8109.0/58$

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: -54.380 ± 1.009 χ^2/NDF : 1490.6/35

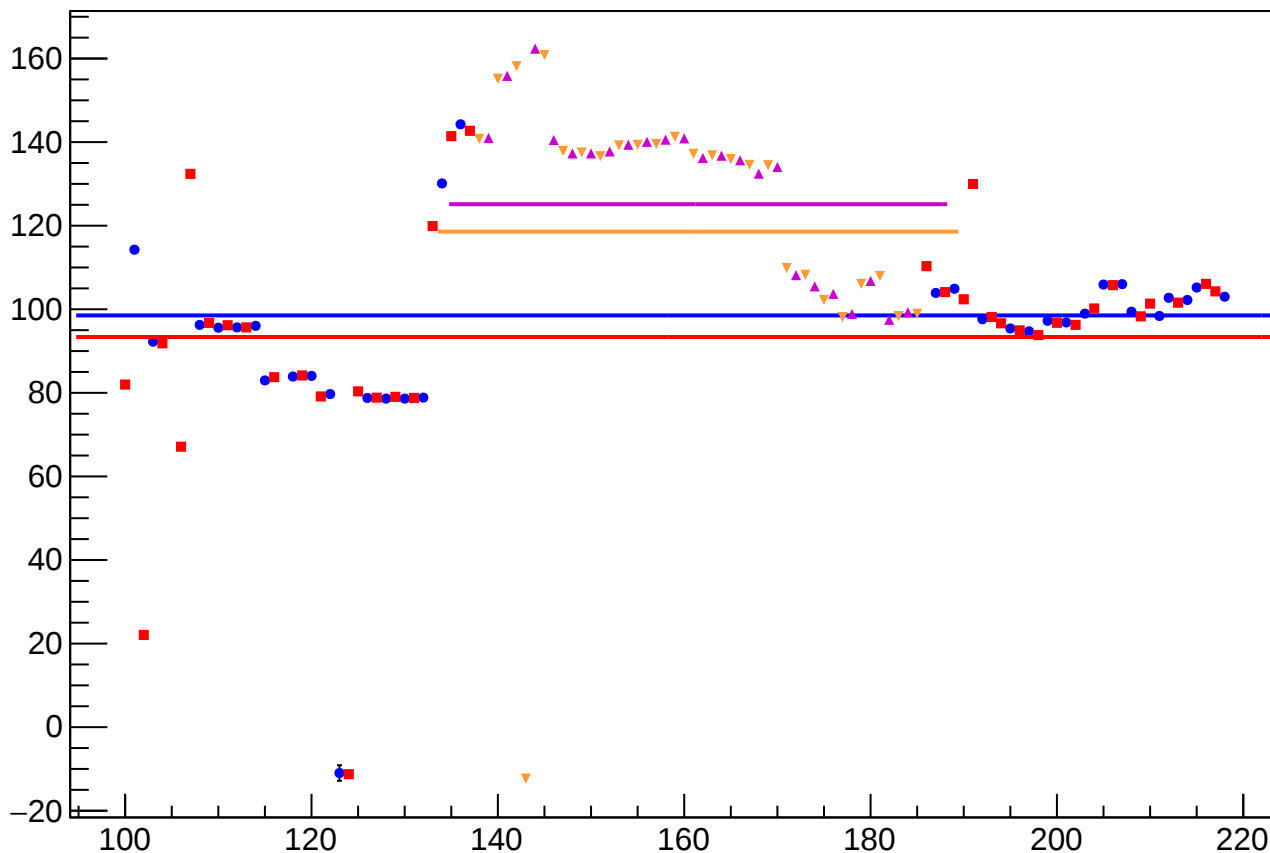
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -69.052 ± 0.662 χ^2/NDF : 2657.4/57

All: -68.970 ± 0.470 χ^2/NDF : 4798.5/116

- sign -68.886 ± 0.667 χ^2/NDF : 2141.1/58

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: 93.361+/-0.050 χ^2/NDF : 245552.8/35

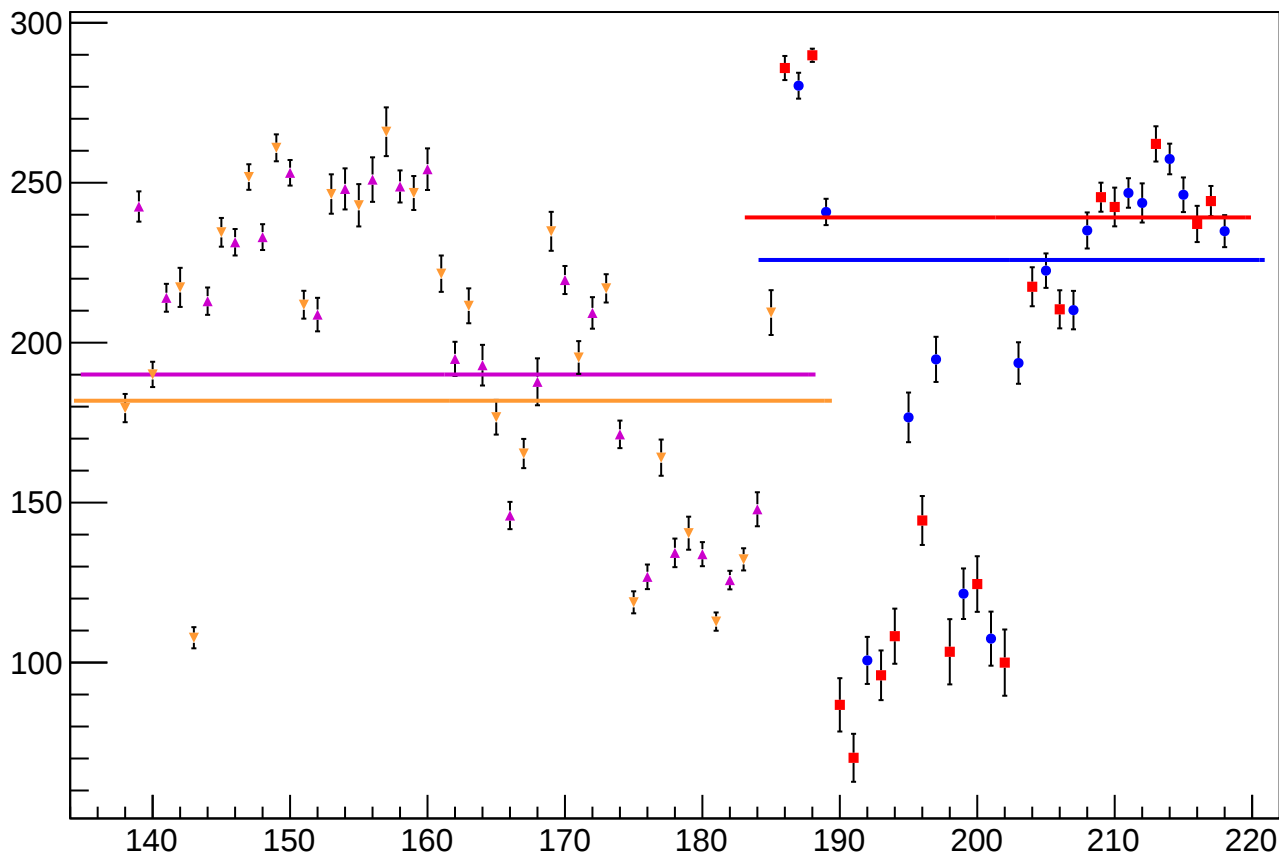
Left In: 125.139+/-0.041 χ^2/NDF : 220927.1/22

+ sign 111.085+/-0.032 χ^2/NDF : 916823.6/57

All: 111.626+/-0.023 χ^2/NDF : 1625927.9/116

- sign 112.157+/-0.032 χ^2/NDF : 708539.8/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 225.857 $\pm$ 1.395 χ^2 /NDF: 1038.6/15

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF: 3303.4/24

Right Out: 239.153 $\pm$ 1.235 χ^2 /NDF: 2908.6/16

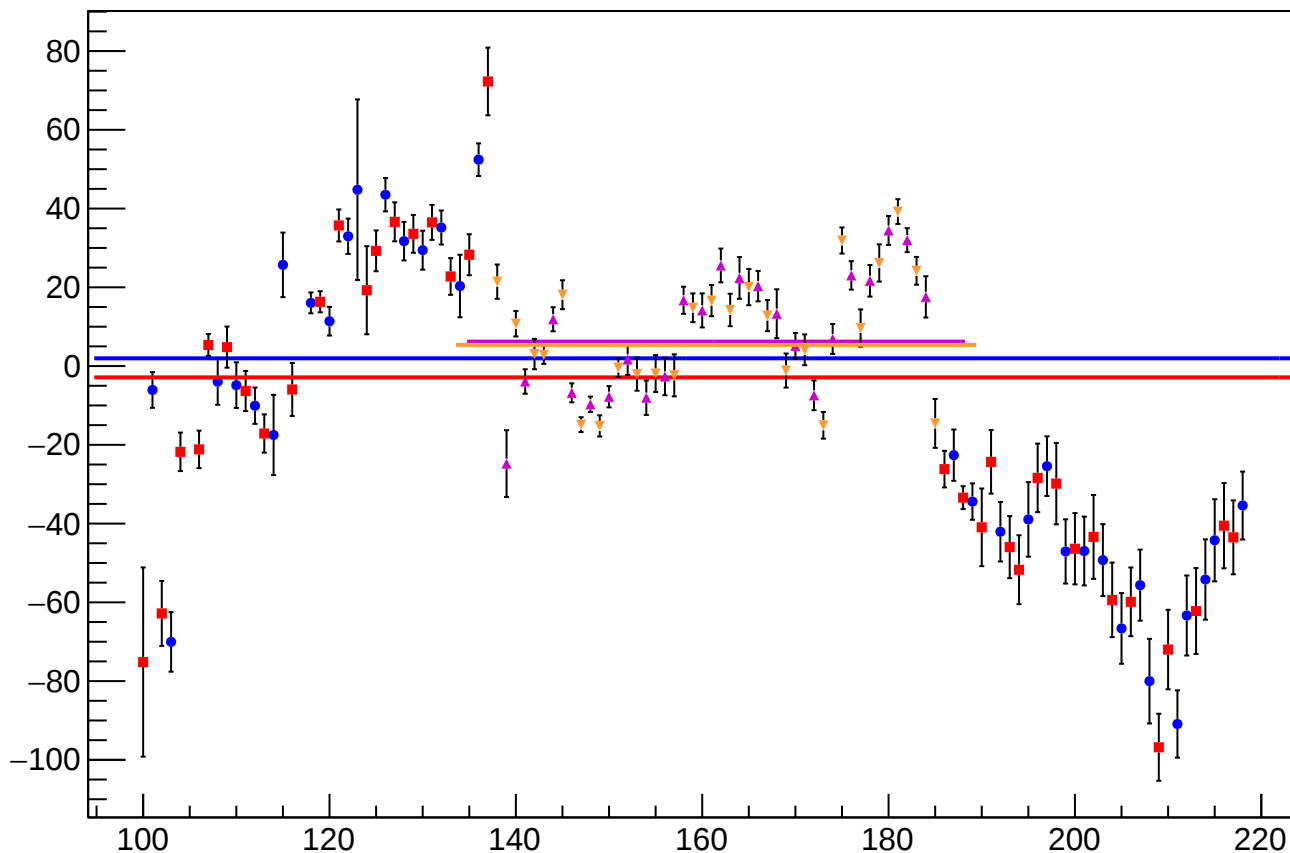
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF: 2438.4/22

+ sign 195.058 $\pm$ 0.764 χ^2 /NDF: 5038.7/40

All: 201.801 $\pm$ 0.537 χ^2 /NDF: 11530.5/80

- sign 208.373 $\pm$ 0.754 χ^2 /NDF: 6338.0/39

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.969 $\pm$ 1.011 χ^2 /NDF: 1204.2/32

Left Out: 5.394 $\pm$ 0.688 χ^2 /NDF: 526.5/24

Right Out: -2.873 $\pm$ 0.917 χ^2 /NDF: 1217.0/35

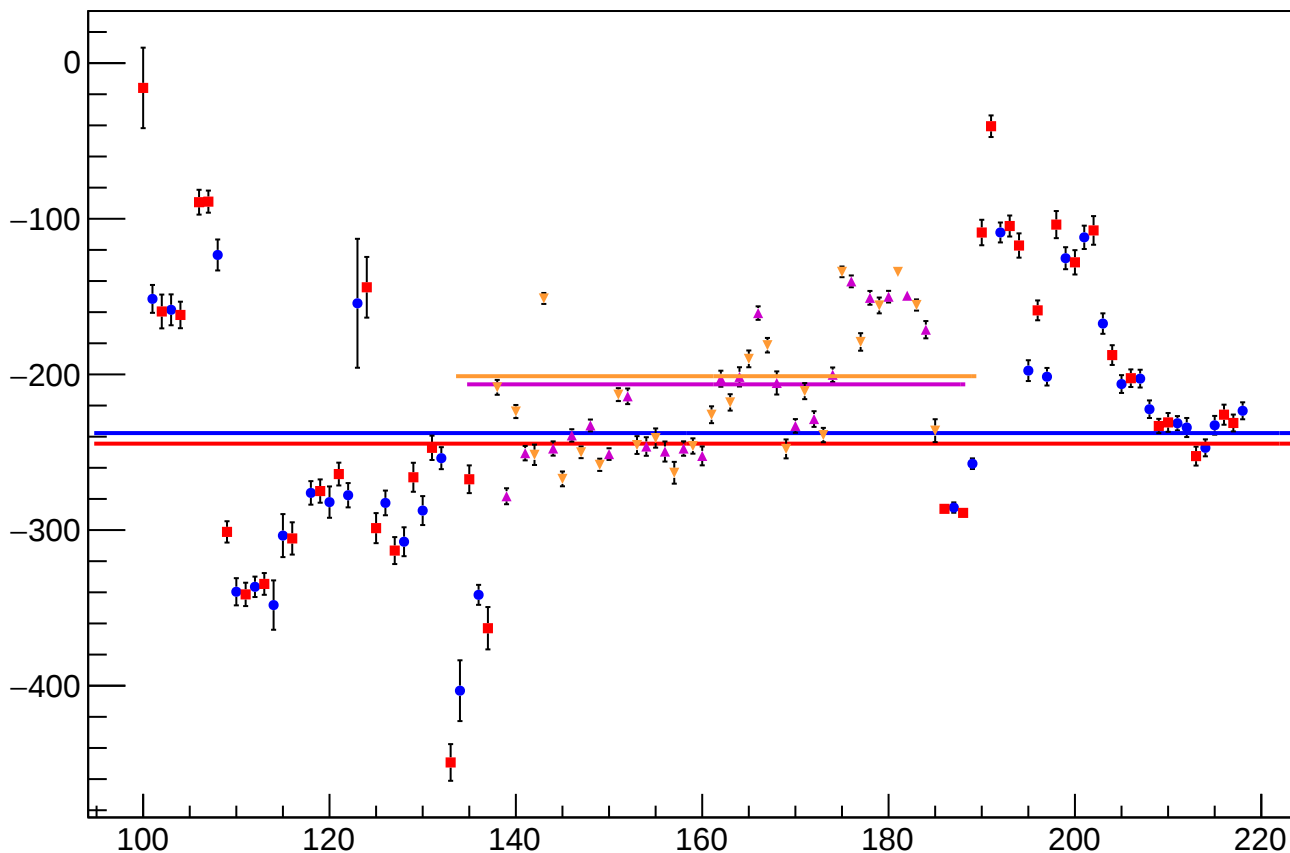
Left In: 6.206 $\pm$ 0.732 χ^2 /NDF: 407.5/22

+ sign 4.310 $\pm$ 0.569 χ^2 /NDF: 1738.6/57

All: 3.497 $\pm$ 0.403 χ^2 /NDF: 3427.1/116

- sign 2.675 $\pm$ 0.572 χ^2 /NDF: 1684.4/58

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: -244.481 ± 0.965 χ^2/NDF : 5851.8/35

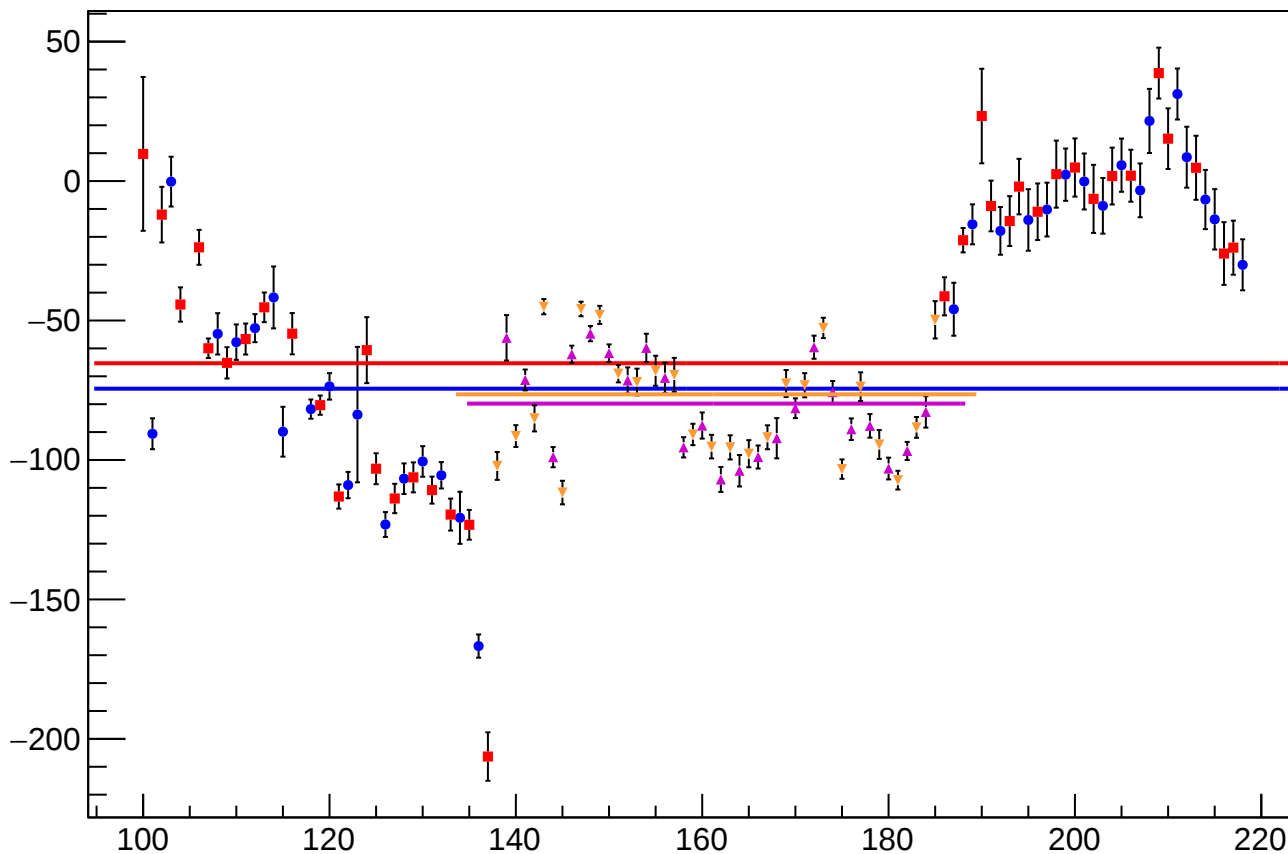
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -215.687 ± 0.712 χ^2/NDF : 5833.9/57

All: -220.643 ± 0.491 χ^2/NDF : 14681.4/116

- sign -225.120 ± 0.677 χ^2/NDF : 8755.3/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -74.442 $\pm$ 1.172 χ^2/NDF : 1756.7/32

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -65.318 $\pm$ 1.089 χ^2/NDF : 1731.6/35

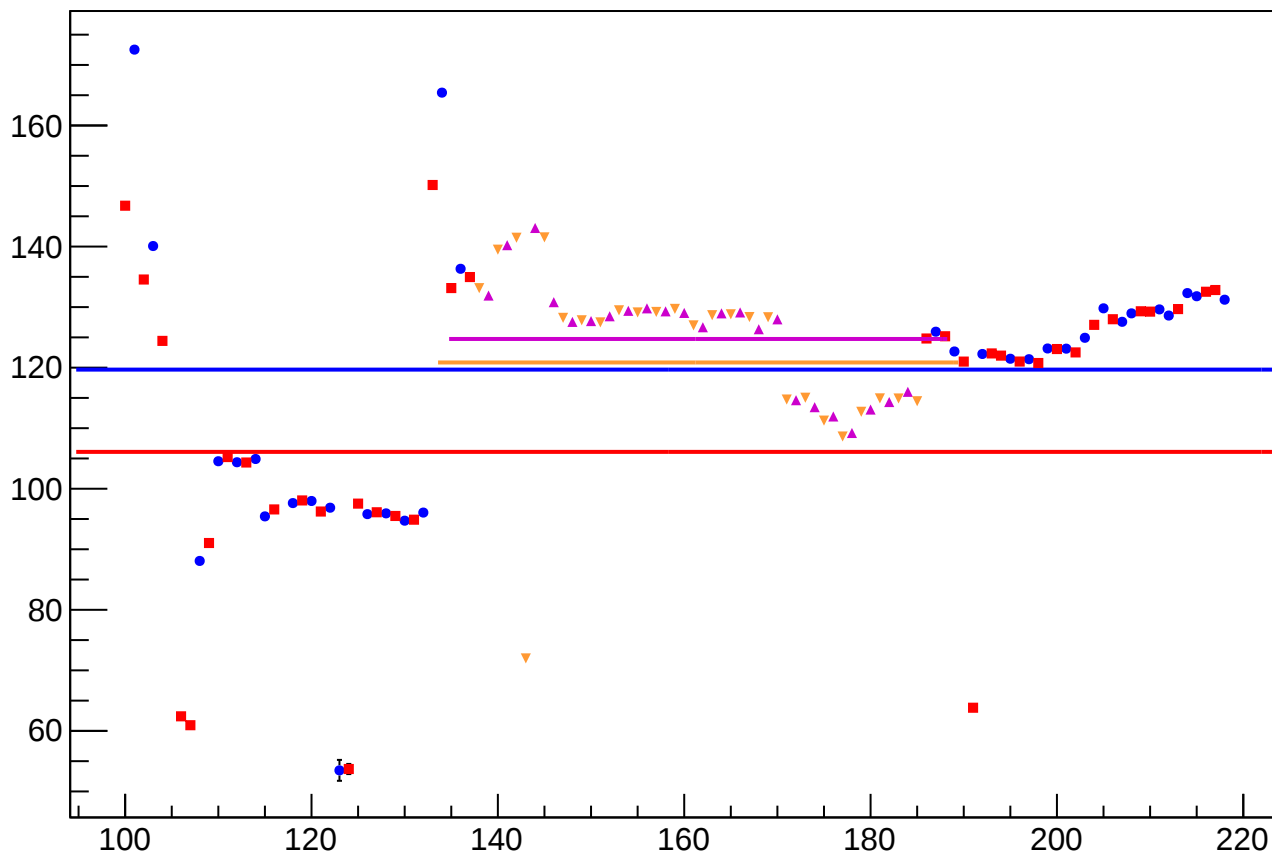
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -75.822 $\pm$ 0.659 χ^2/NDF : 2540.1/57

All: -75.115 $\pm$ 0.468 χ^2/NDF : 4797.1/116

- sign -74.394 $\pm$ 0.665 χ^2/NDF : 2254.7/58

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: 106.088 $\pm$ 0.054 χ^2 /NDF: 254005.0/35

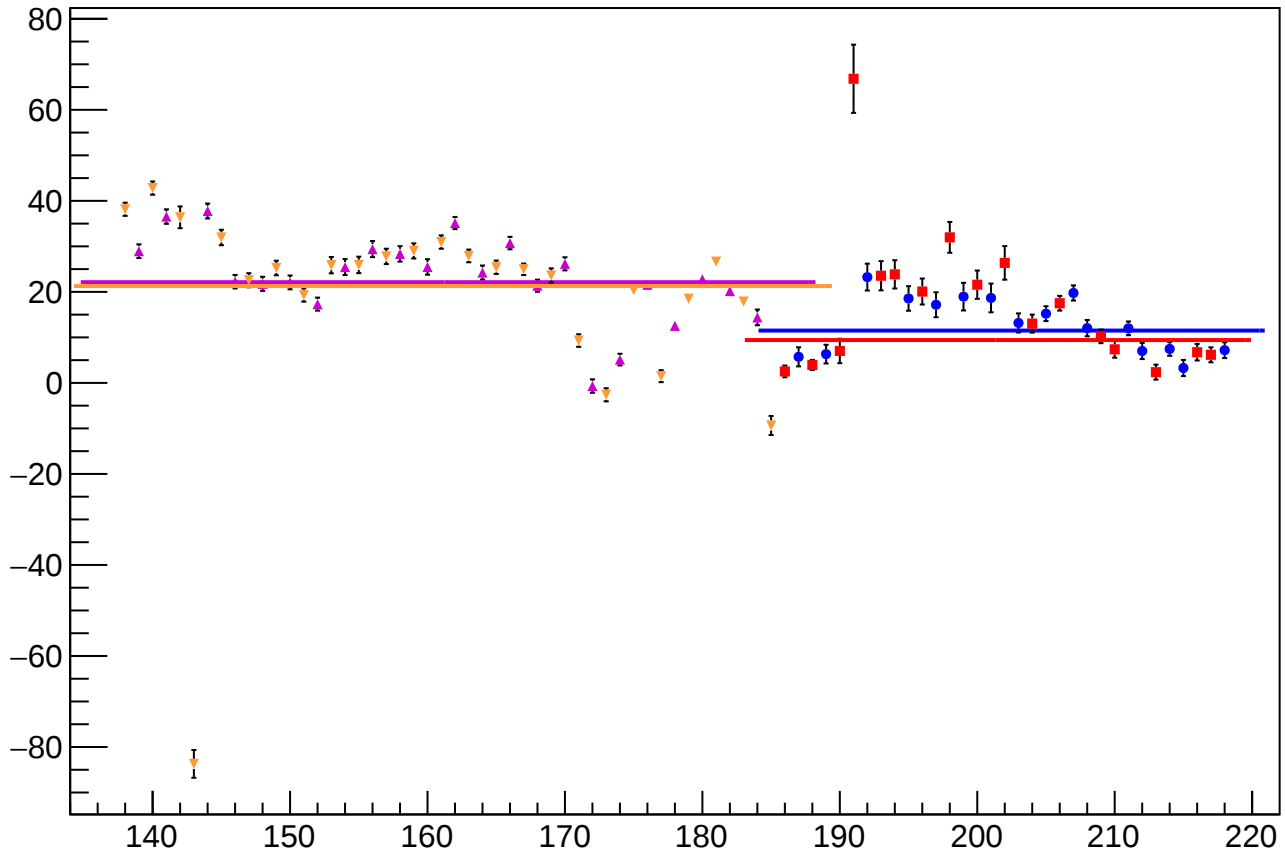
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.520 $\pm$ 0.032 χ^2 /NDF: 295425.0/57

All: 119.357 $\pm$ 0.023 χ^2 /NDF: 682062.6/116

- sign 118.232 $\pm$ 0.032 χ^2 /NDF: 384070.5/58

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: 9.414 $\pm$ 0.468 χ^2 /NDF: 301.8/16

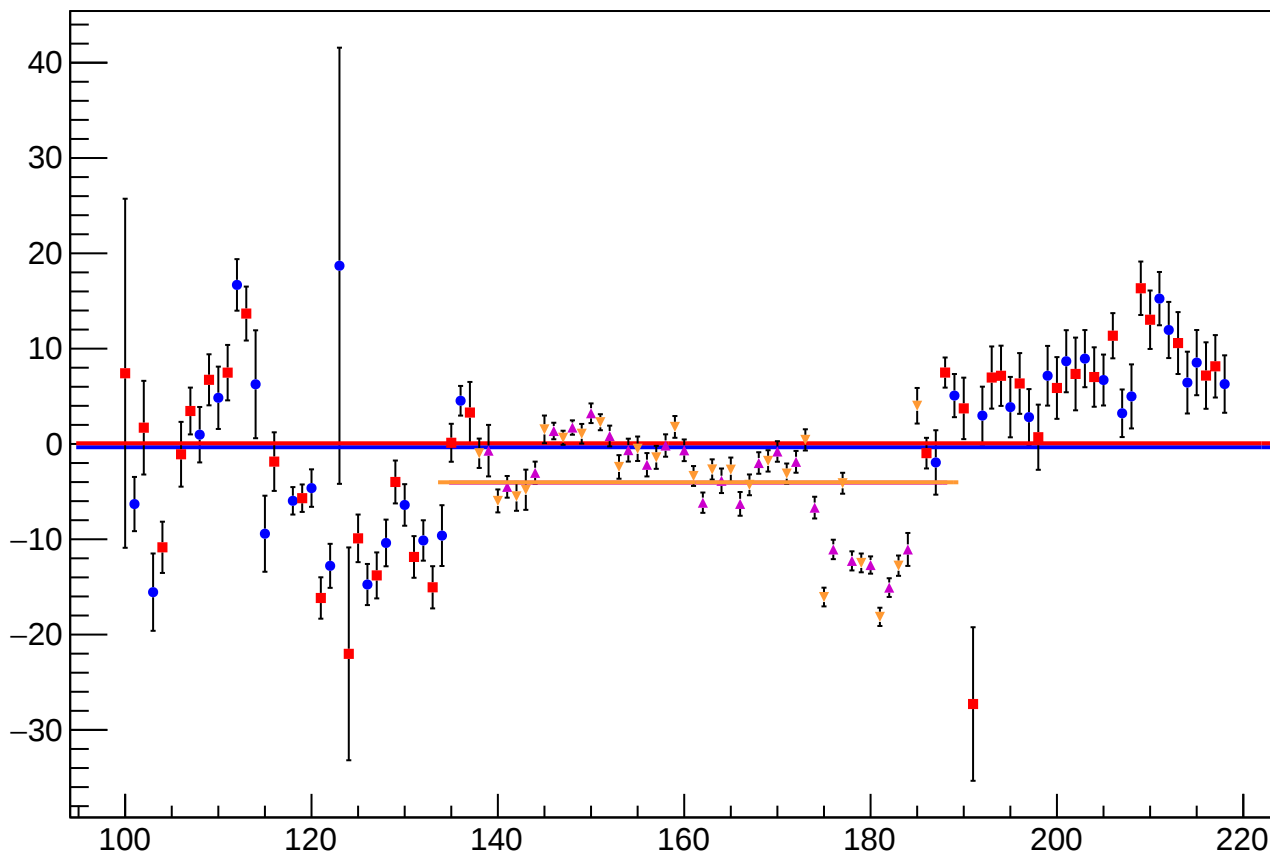
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 18.841 $\pm$ 0.245 χ^2 /NDF: 3023.6/40

All: 18.762 $\pm$ 0.173 χ^2 /NDF: 4762.9/80

- sign 18.683 $\pm$ 0.244 χ^2 /NDF: 1739.1/39

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.344 ± 0.460 χ^2/NDF : 334.9/32

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: 0.070 ± 0.441 χ^2/NDF : 415.7/35

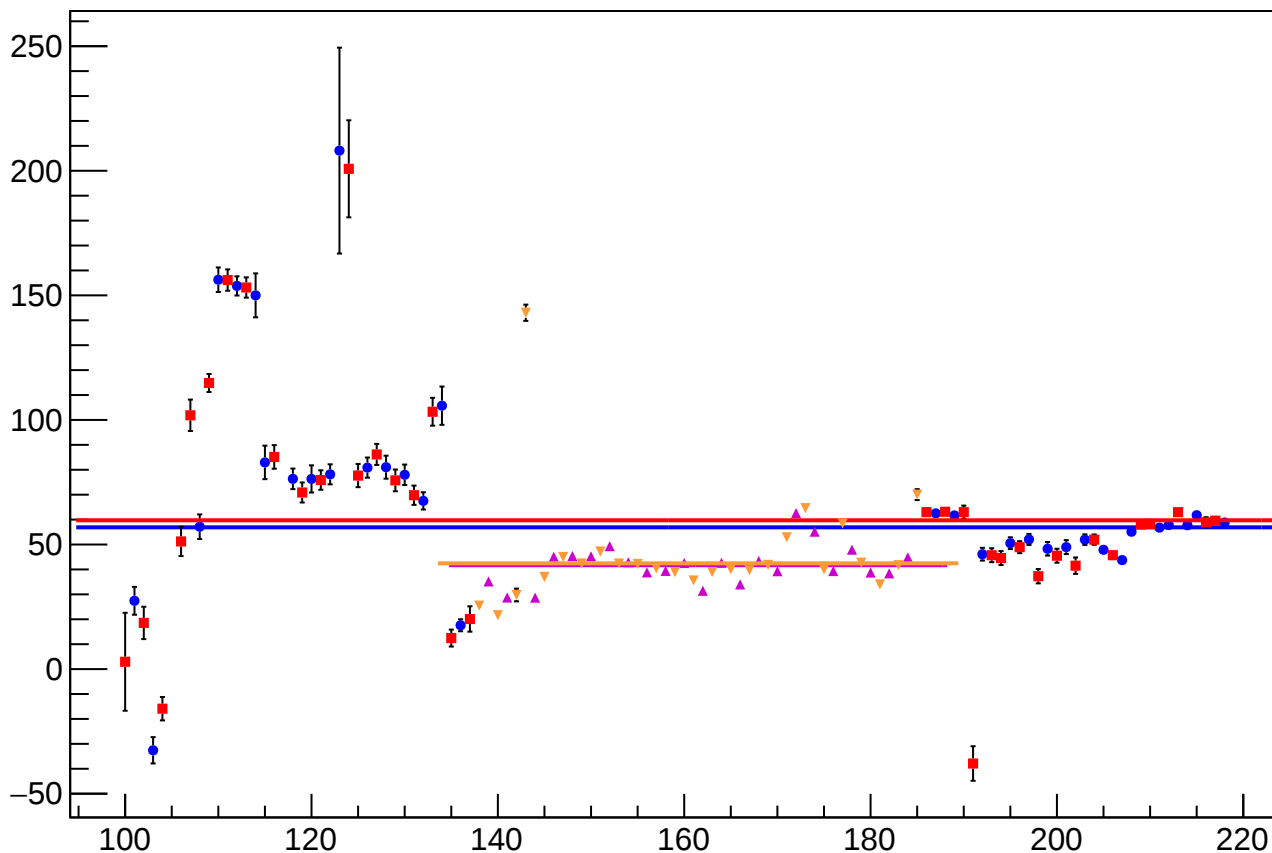
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.322 ± 0.201 χ^2/NDF : 1120.7/57

All: -3.255 ± 0.143 χ^2/NDF : 2183.0/116

- sign -3.187 ± 0.203 χ^2/NDF : 1062.1/58

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: 59.726 $\pm$ 0.403 χ^2 /NDF: 2633.0/35

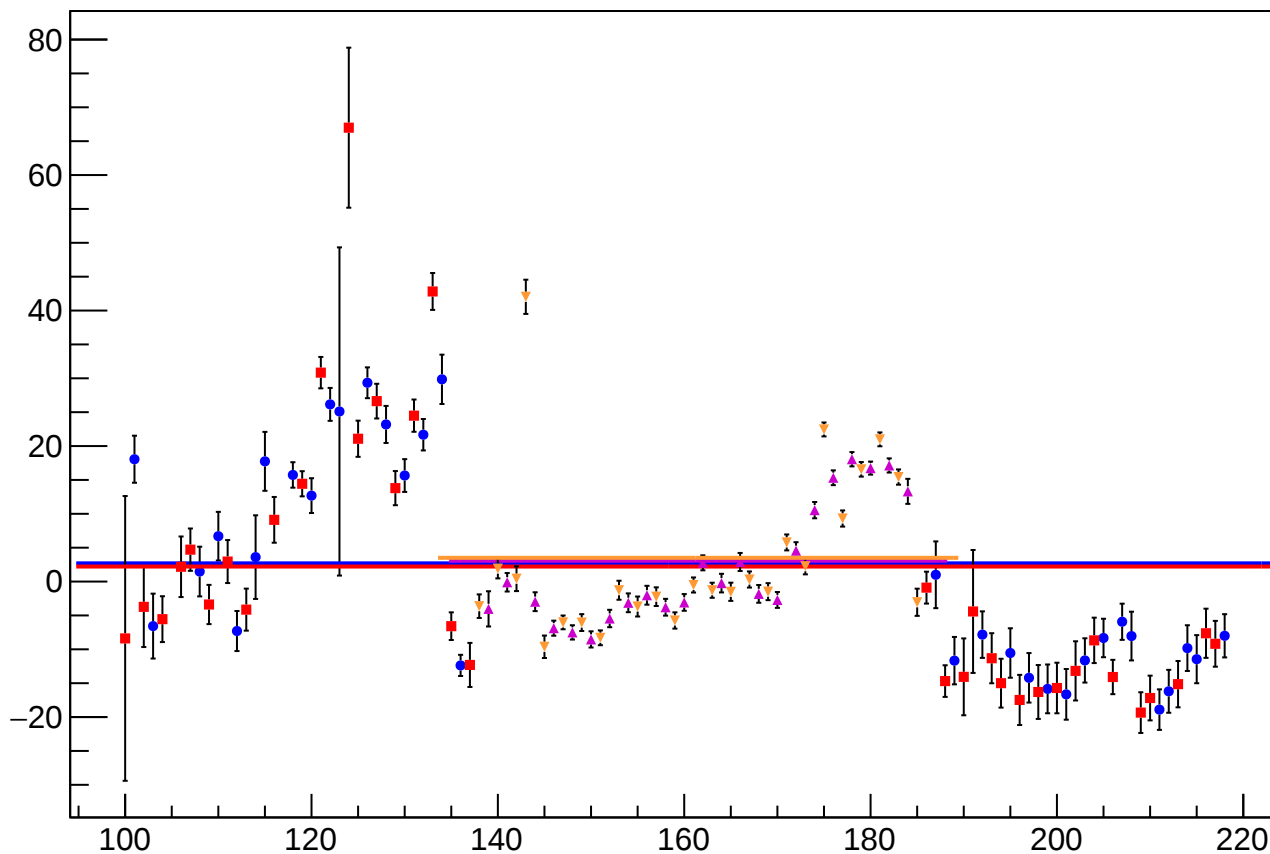
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 46.676 $\pm$ 0.237 χ^2 /NDF: 4927.1/57

All: 47.195 $\pm$ 0.166 χ^2 /NDF: 9539.0/116

- sign 47.691 $\pm$ 0.232 χ^2 /NDF: 4602.5/58

reg_asym_atl_dd_atr_dd_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: 2.218 ± 0.515 χ^2/NDF : 1122.8/35

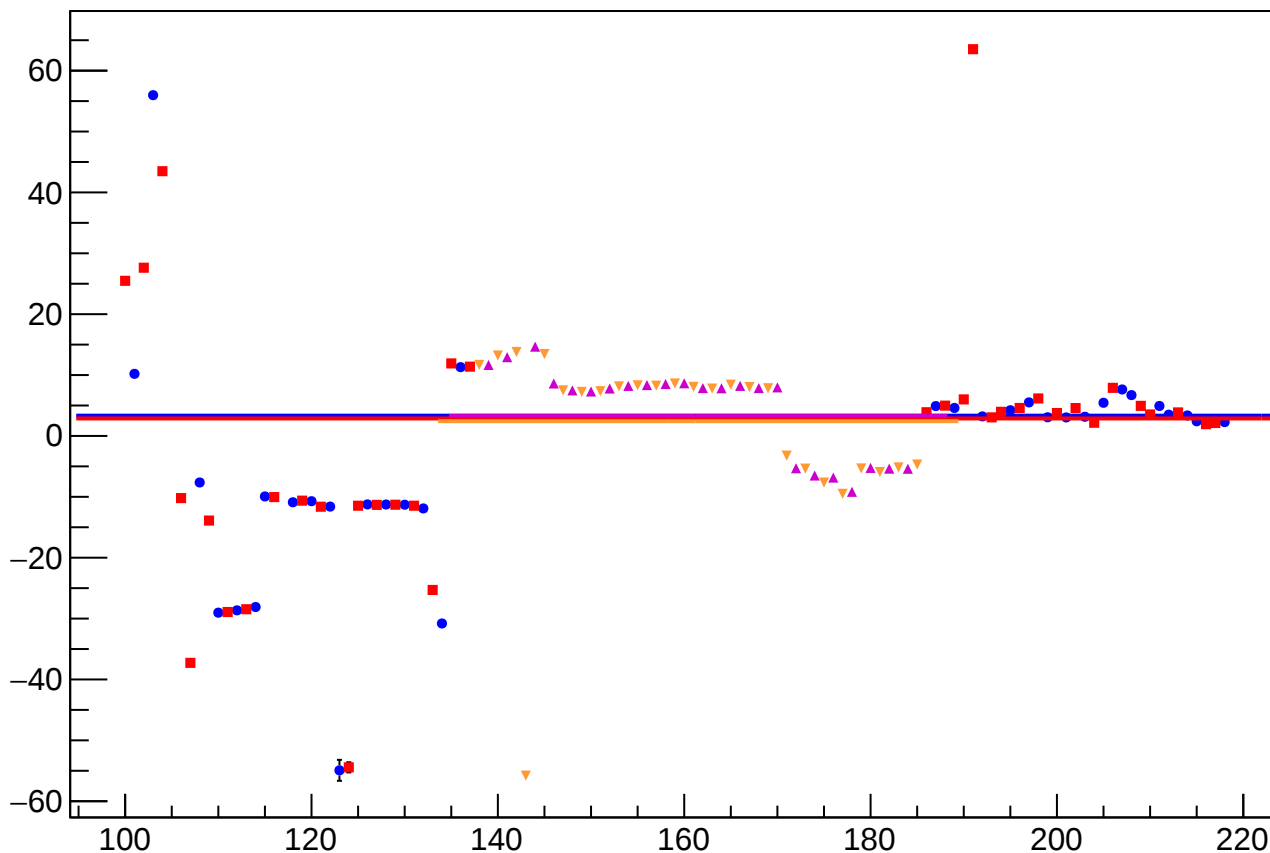
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.350 ± 0.227 χ^2/NDF : 2633.2/57

All: 3.132 ± 0.162 χ^2/NDF : 5025.8/116

- sign 2.909 ± 0.230 χ^2/NDF : 2390.7/58

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: 2.873 $\pm$ 0.024 χ^2 /NDF: 434567.5/35

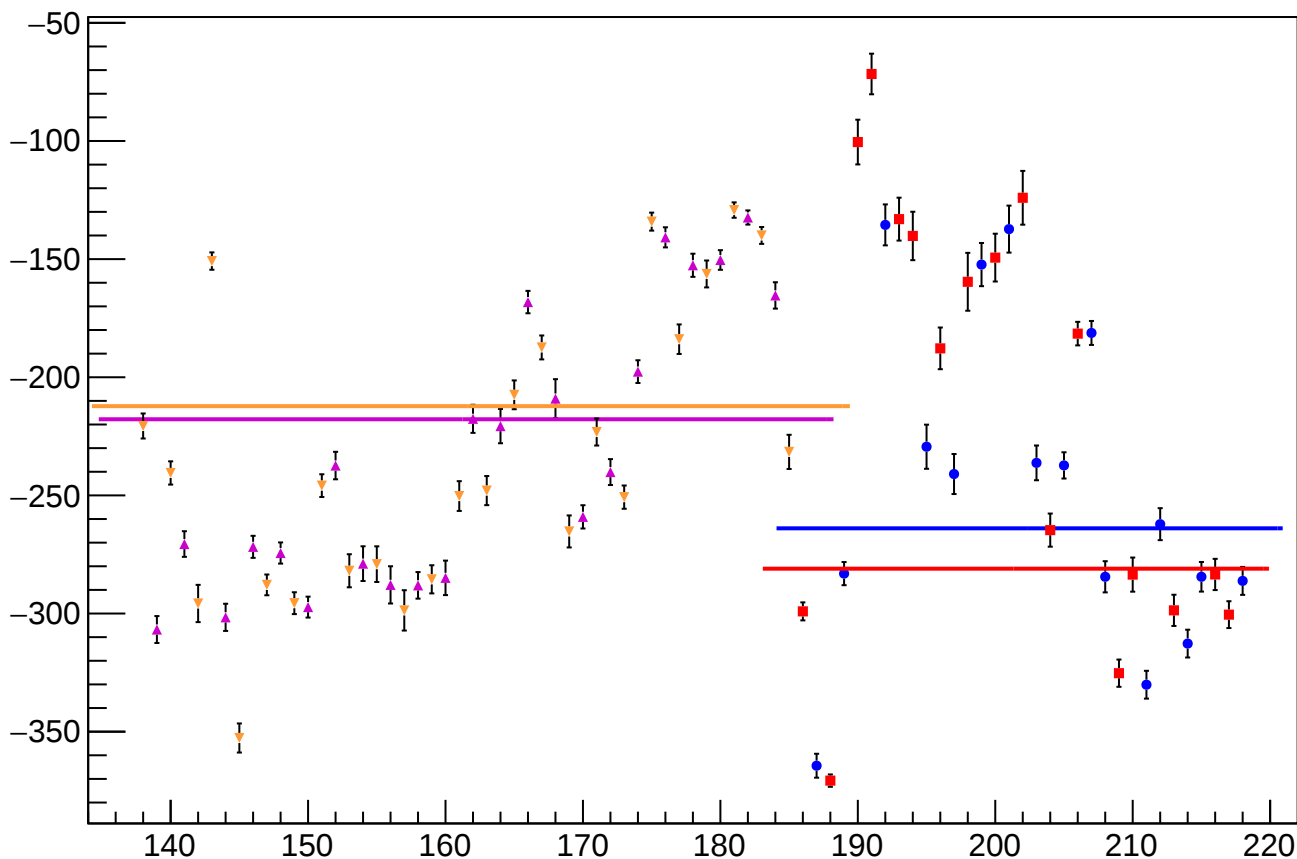
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.589 $\pm$ 0.010 χ^2 /NDF: 979950.2/57

All: 2.900 $\pm$ 0.007 χ^2 /NDF: 1820859.8/116

- sign 3.215 $\pm$ 0.011 χ^2 /NDF: 839131.6/58

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: -281.017 ± 1.435 χ^2/NDF : 3665.0/16

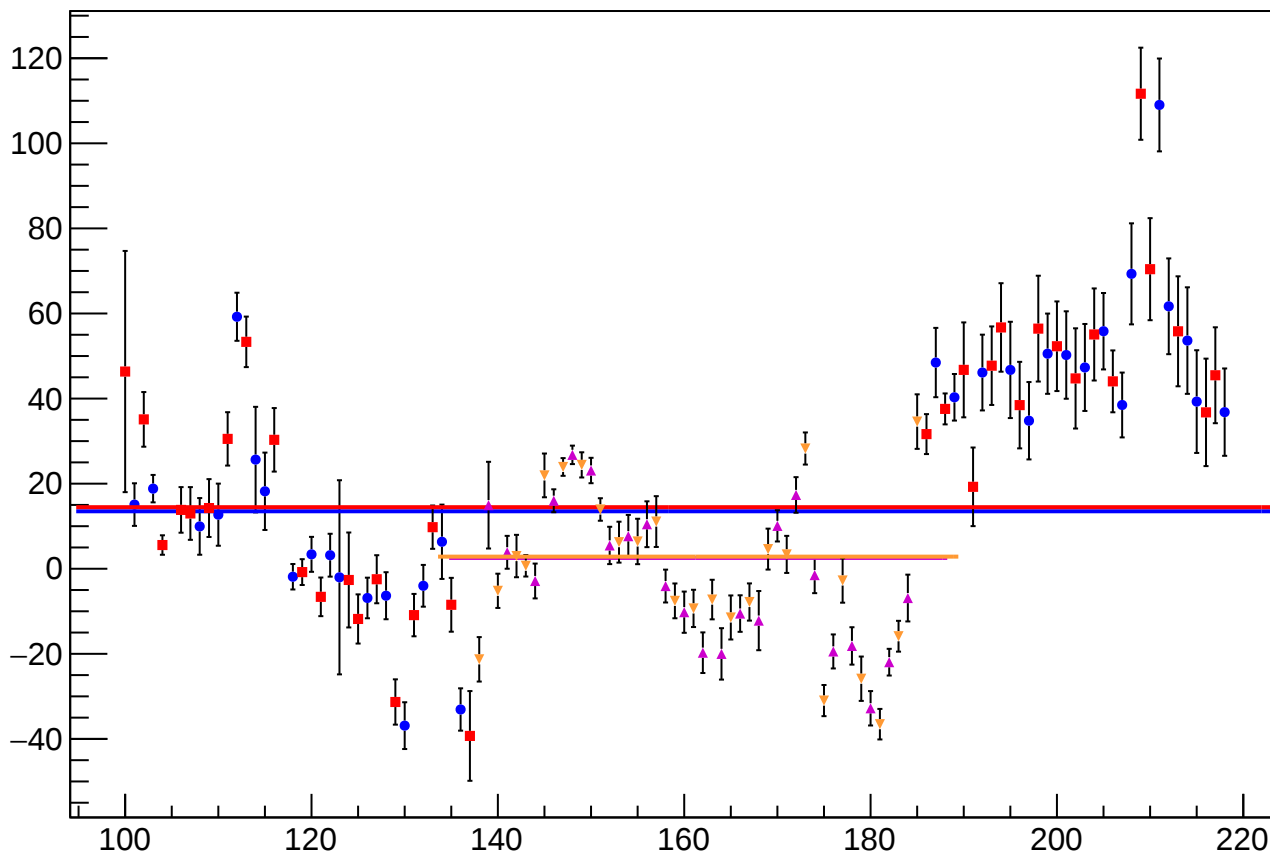
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -227.291 ± 0.867 χ^2/NDF : 6104.0/40

All: -233.865 ± 0.609 χ^2/NDF : 14582.1/80

- sign -240.282 ± 0.856 χ^2/NDF : 8364.4/39

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 13.507 ± 1.097 χ^2/NDF : 602.2/32

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 14.469 ± 0.999 χ^2/NDF : 581.6/35

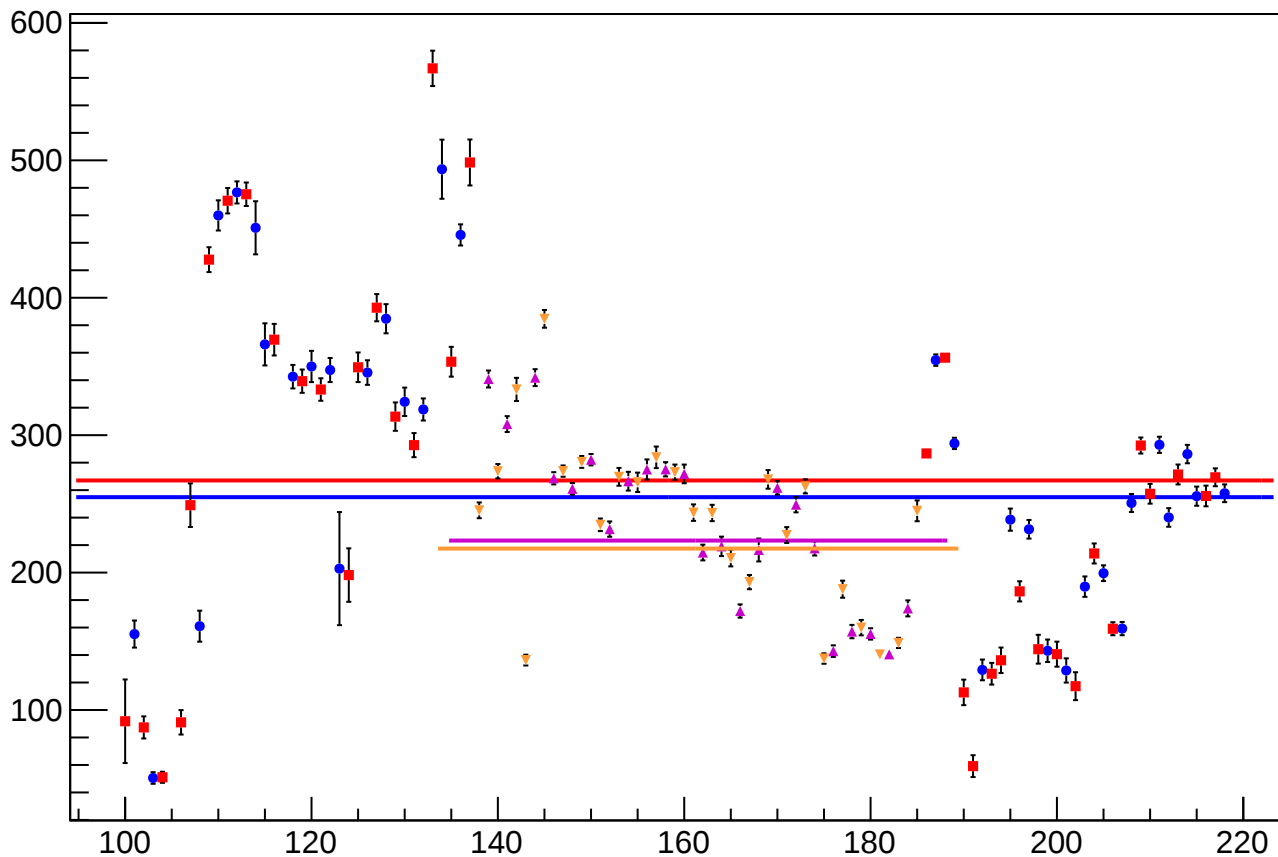
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 6.395 ± 0.633 χ^2/NDF : 1247.3/57

All: 6.876 ± 0.448 χ^2/NDF : 2388.7/116

- sign 7.360 ± 0.635 χ^2/NDF : 1140.2/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 254.885 ± 1.253 $\chi^2/\text{NDF}: 7141.0/32$

Left Out: 217.484 ± 1.032 $\chi^2/\text{NDF}: 3769.5/24$

Right Out: 267.039 ± 1.090 $\chi^2/\text{NDF}: 11054.5/35$

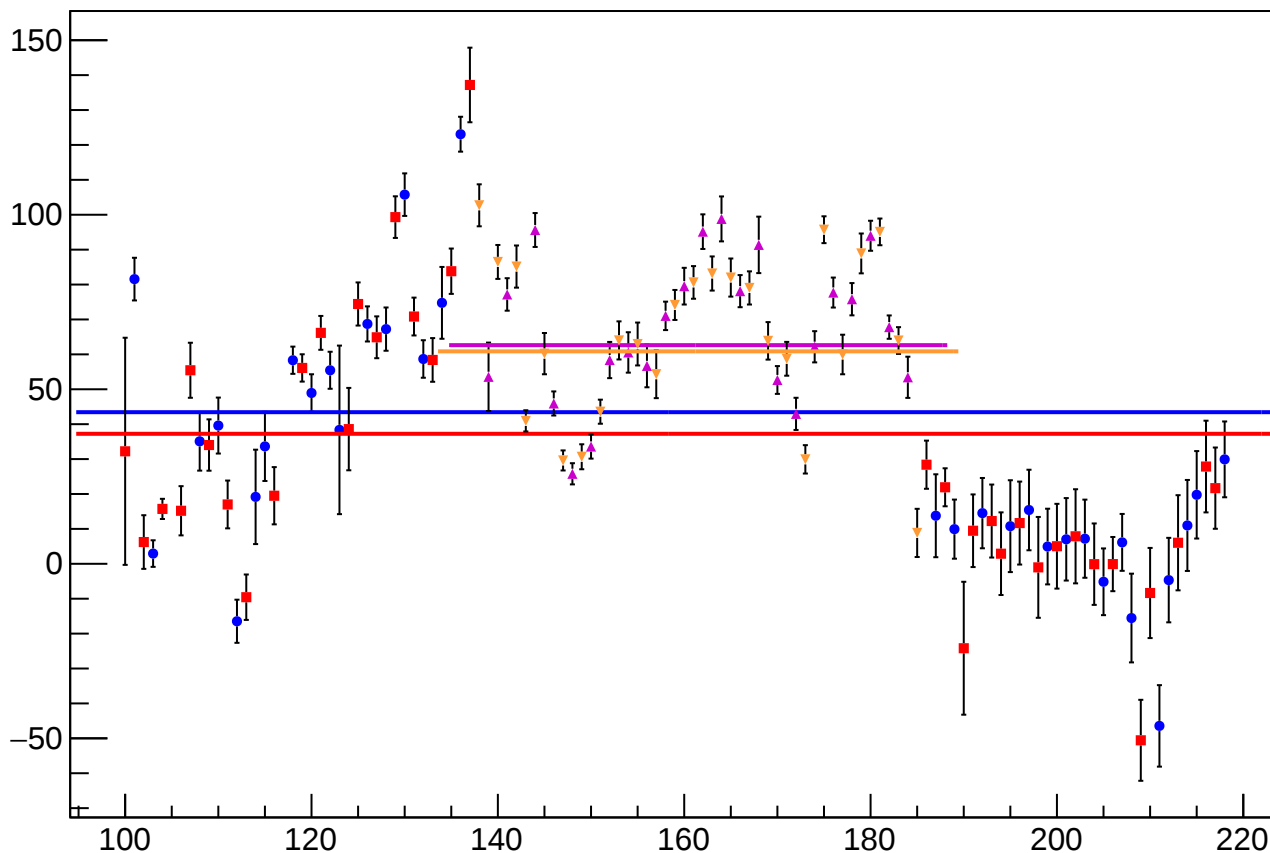
Left In: 223.309 ± 1.062 $\chi^2/\text{NDF}: 3378.0/22$

+ sign 232.604 ± 0.797 $\chi^2/\text{NDF}: 11441.1/57$

All: 238.889 ± 0.550 $\chi^2/\text{NDF}: 26818.7/116$

- sign 244.613 ± 0.760 $\chi^2/\text{NDF}: 15258.7/58$

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: 37.245 $\pm$ 1.191 χ^2 /NDF: 741.1/35

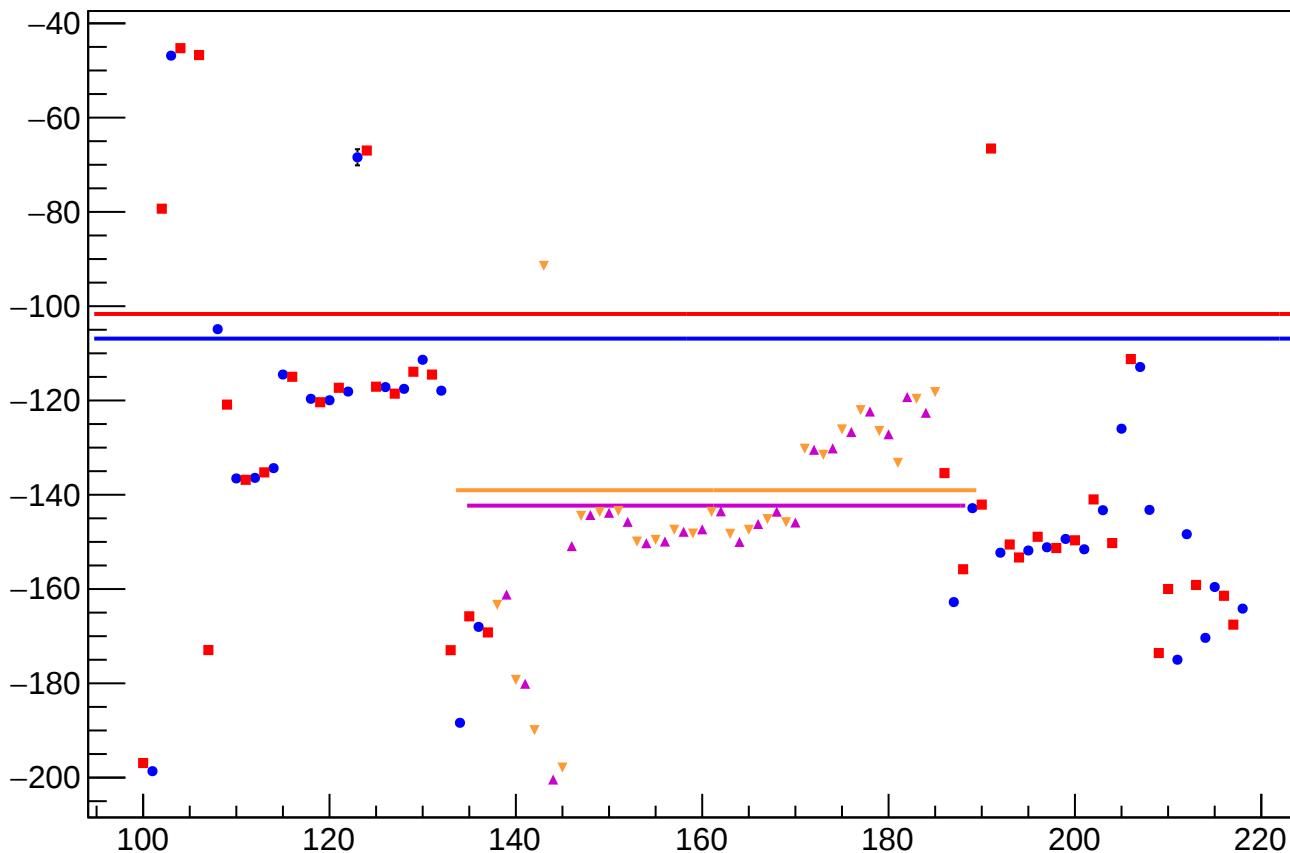
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 55.086 $\pm$ 0.733 χ^2 /NDF: 1774.6/57

All: 53.984 $\pm$ 0.521 χ^2 /NDF: 3315.0/116

- sign 52.862 $\pm$ 0.739 χ^2 /NDF: 1535.9/58

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: -101.649 ± 0.054 χ^2/NDF : 780383.4/35

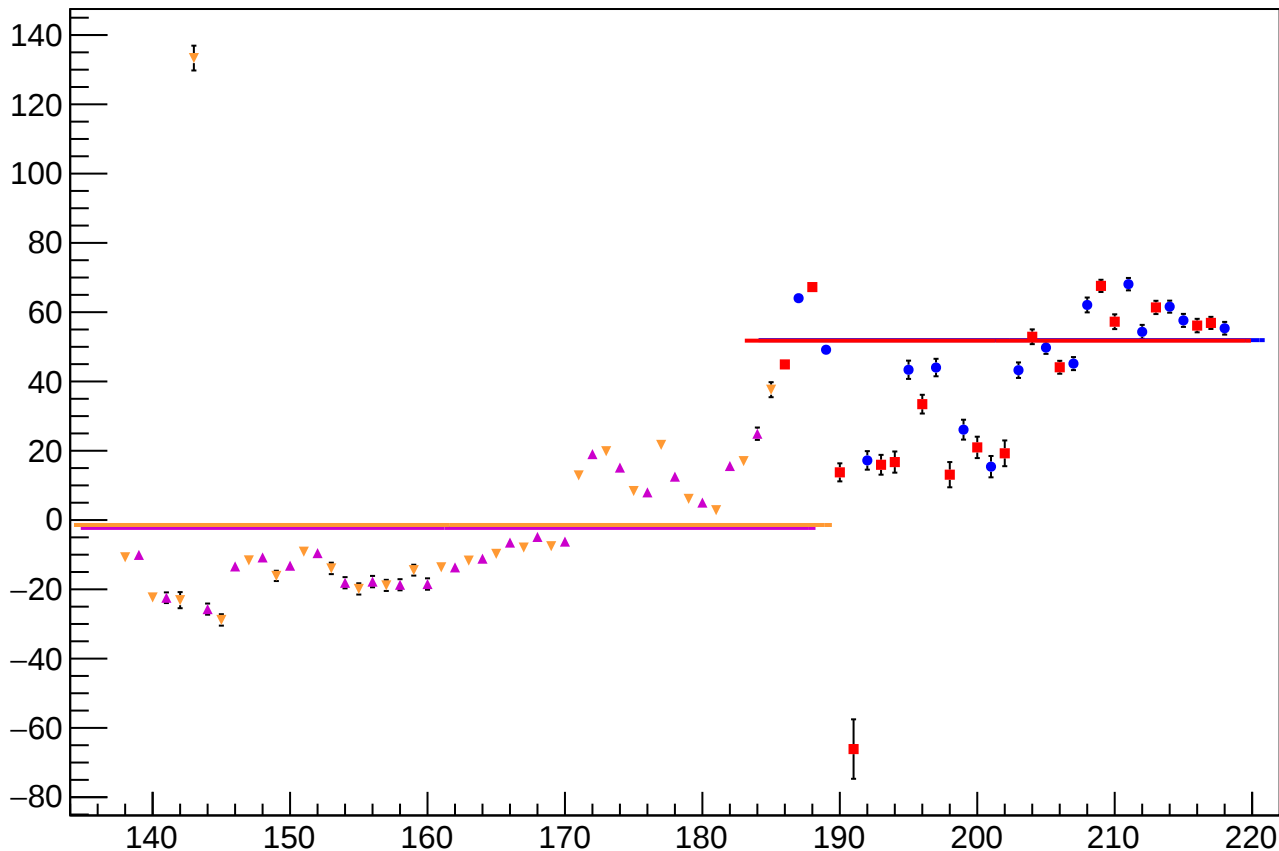
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -127.432 ± 0.034 χ^2/NDF : 1207102.4/57

All: -126.764 ± 0.024 χ^2/NDF : 2470712.9/11

- sign -126.100 ± 0.034 χ^2/NDF : 1262852.8/58

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: 51.782 $\pm$ 0.419 χ^2 /NDF: 1630.2/16

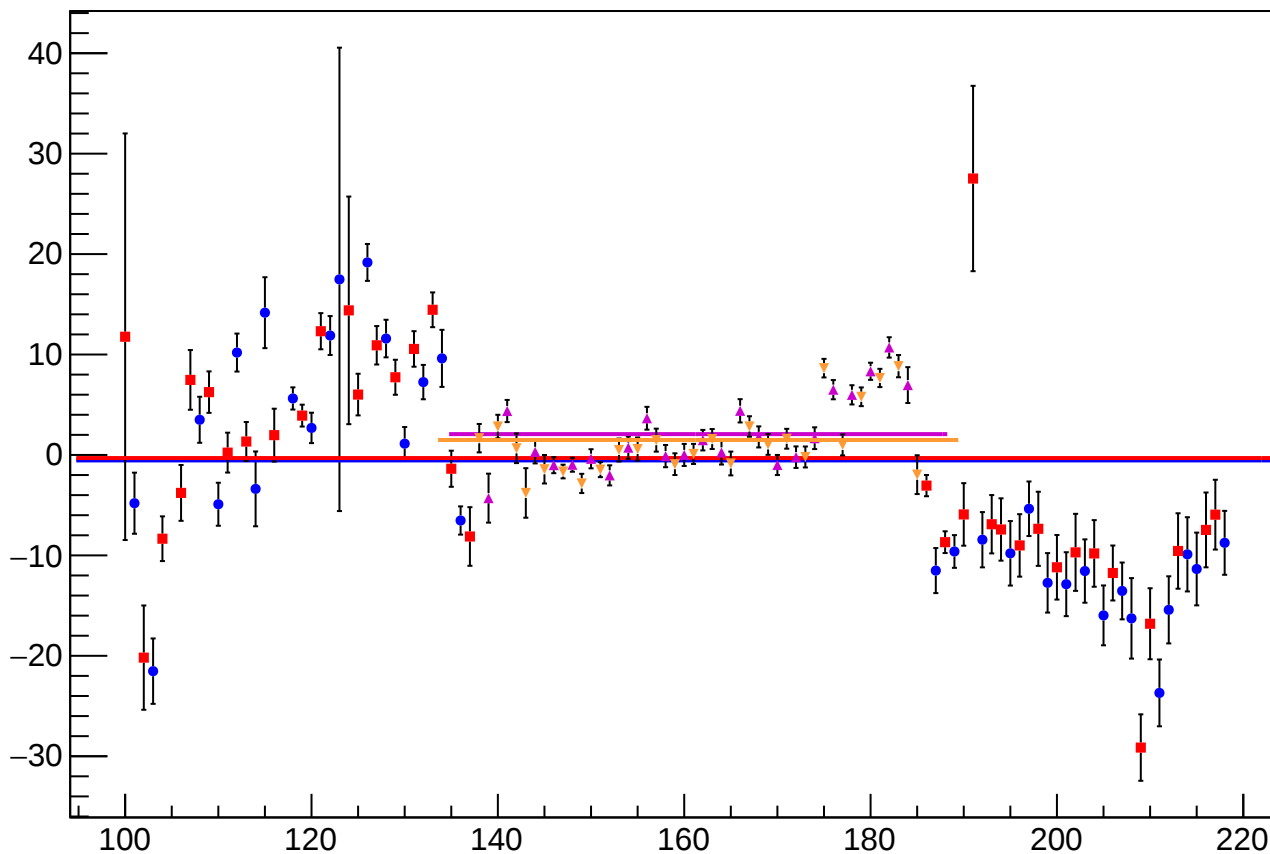
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 10.746 $\pm$ 0.235 χ^2 /NDF: 14073.7/40

All: 12.247 $\pm$ 0.163 χ^2 /NDF: 30044.8/80

- sign 13.651 $\pm$ 0.227 χ^2 /NDF: 15892.2/39

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.545 ± 0.393 $\chi^2/\text{NDF}: 660.9/32$

Left Out: 1.491 ± 0.210 $\chi^2/\text{NDF}: 259.1/24$

Right Out: -0.309 ± 0.365 $\chi^2/\text{NDF}: 550.7/35$

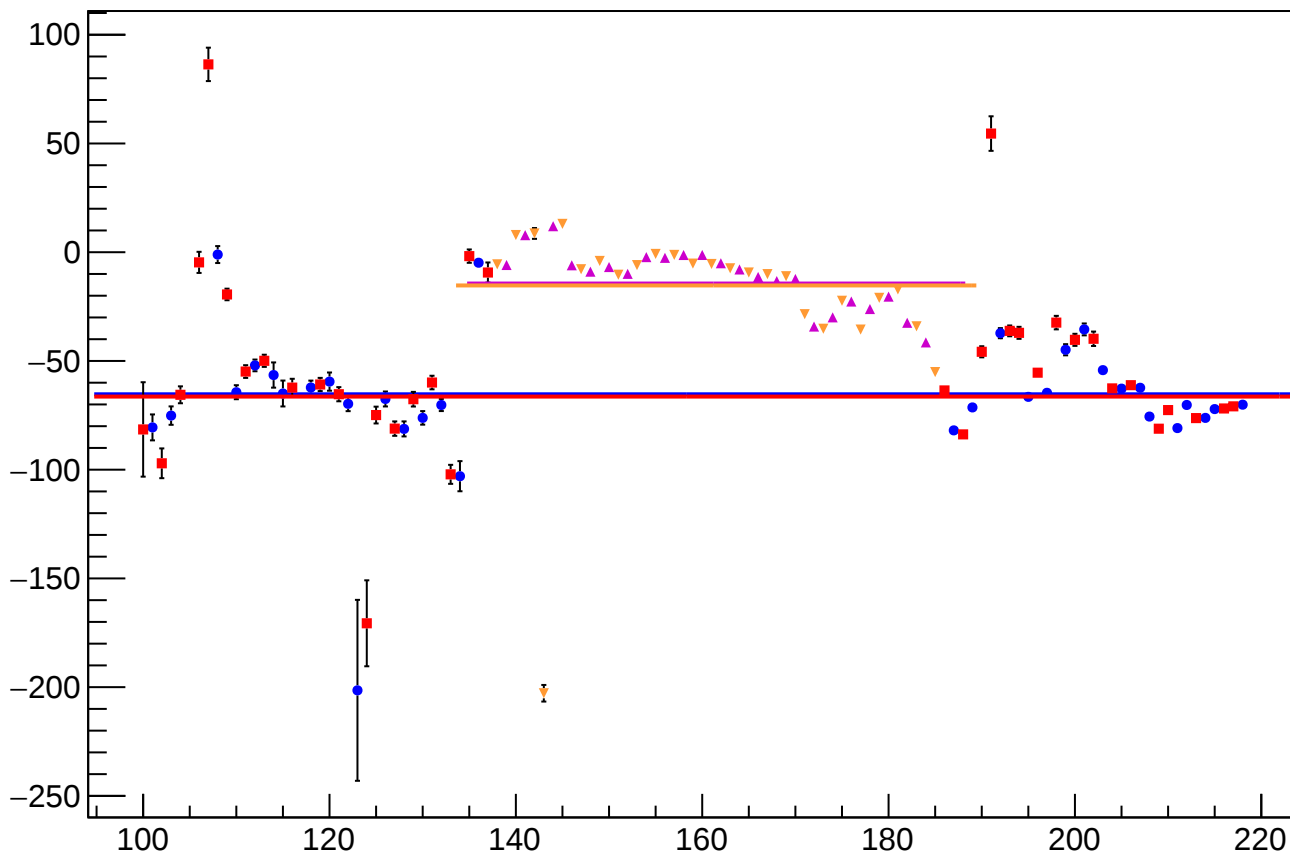
Left In: 2.075 ± 0.215 $\chi^2/\text{NDF}: 274.6/22$

+ sign 1.038 ± 0.185 $\chi^2/\text{NDF}: 940.8/57$

All: 1.249 ± 0.131 $\chi^2/\text{NDF}: 1800.3/116$

- sign 1.460 ± 0.186 $\chi^2/\text{NDF}: 856.9/58$

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: -66.381 ± 0.338 χ^2/NDF : 3432.2/35

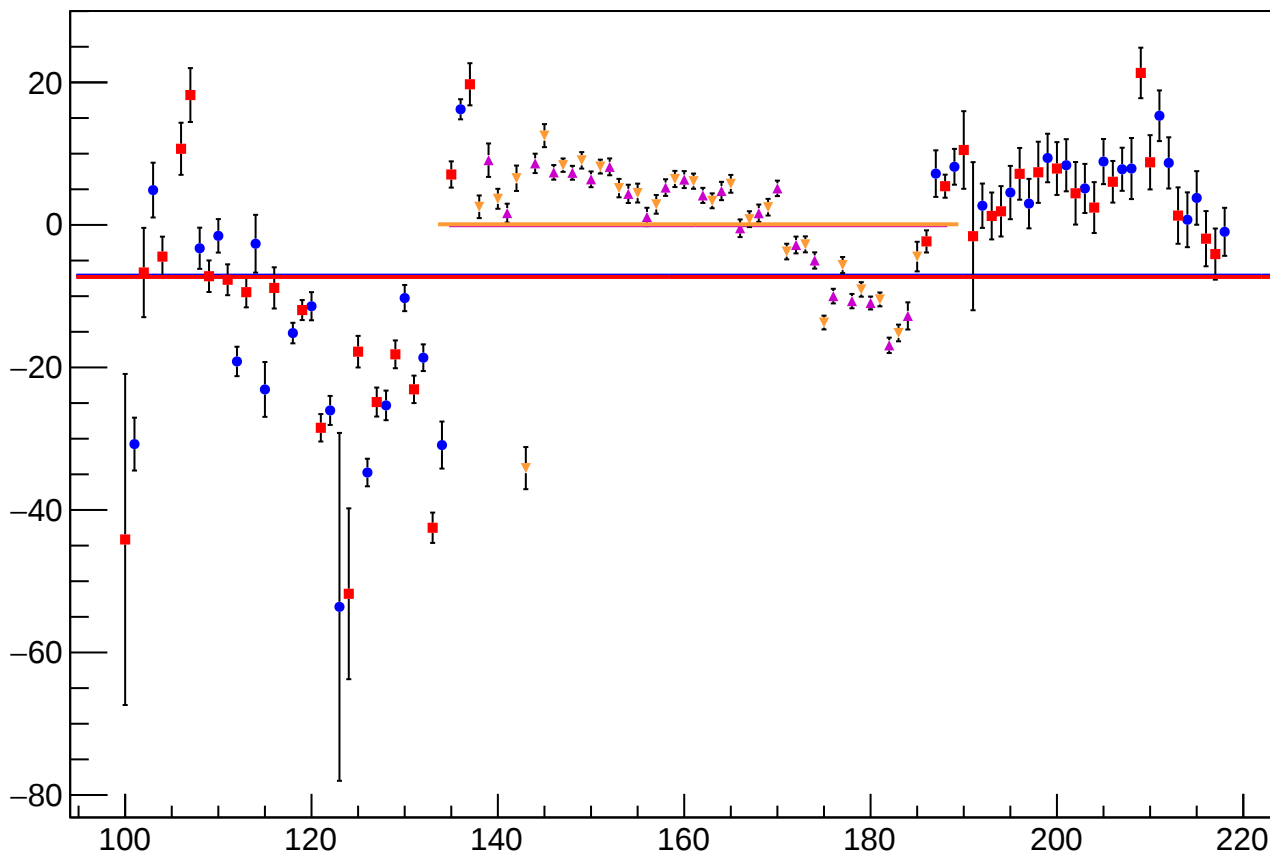
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -30.191 ± 0.224 χ^2/NDF : 17222.3/57

All: -32.503 ± 0.153 χ^2/NDF : 37349.5/116

- sign -34.555 ± 0.211 χ^2/NDF : 19925.3/58

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: -7.302 ± 0.436 χ^2/NDF : 1100.1/35

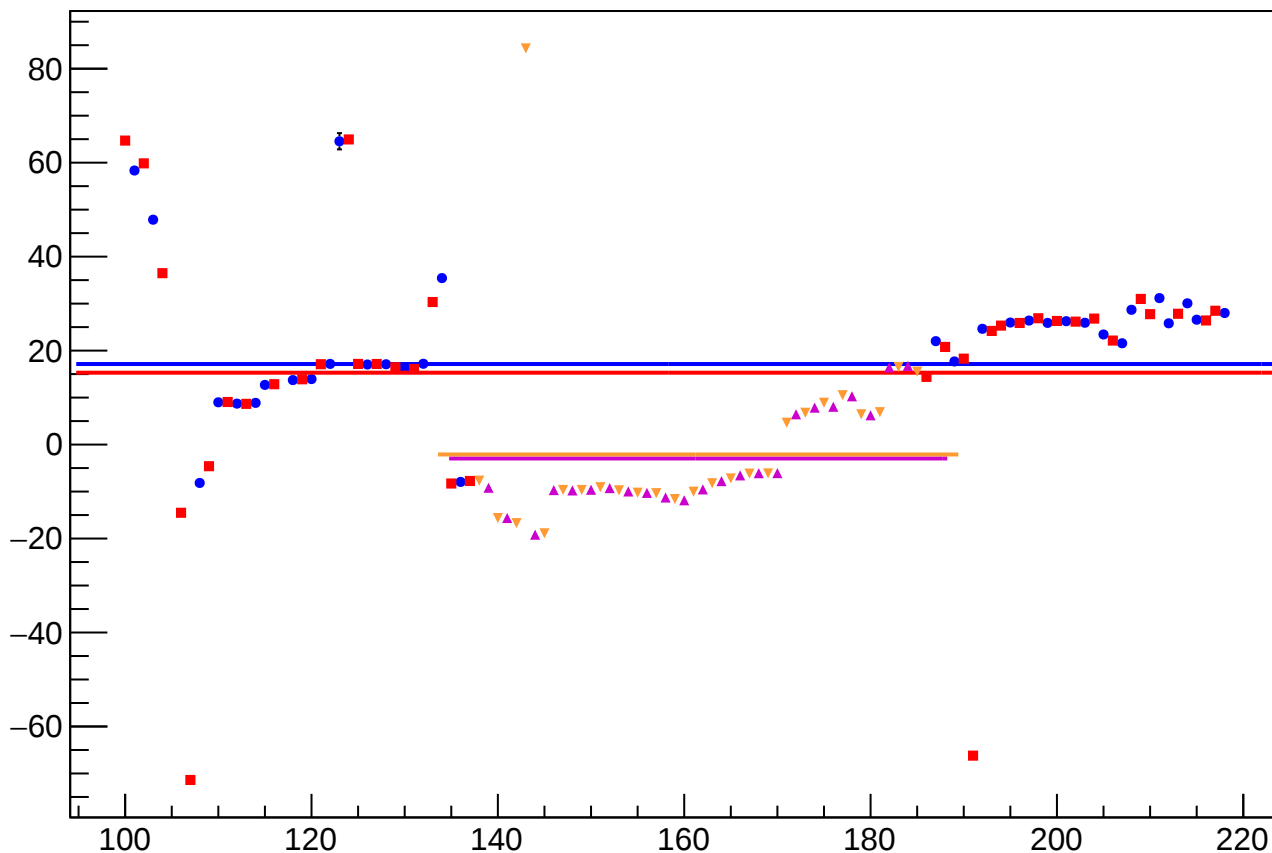
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.471 ± 0.211 χ^2/NDF : 2529.1/57

All: -1.617 ± 0.150 χ^2/NDF : 4869.9/116

- sign -1.766 ± 0.212 χ^2/NDF : 2339.9/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 17.144+/-0.023 χ^2/NDF : 495895.0/32

Left Out: -2.105+/-0.011 χ^2/NDF : 1093120.2/24

Right Out: 15.298+/-0.022 χ^2/NDF : 774160.7/35

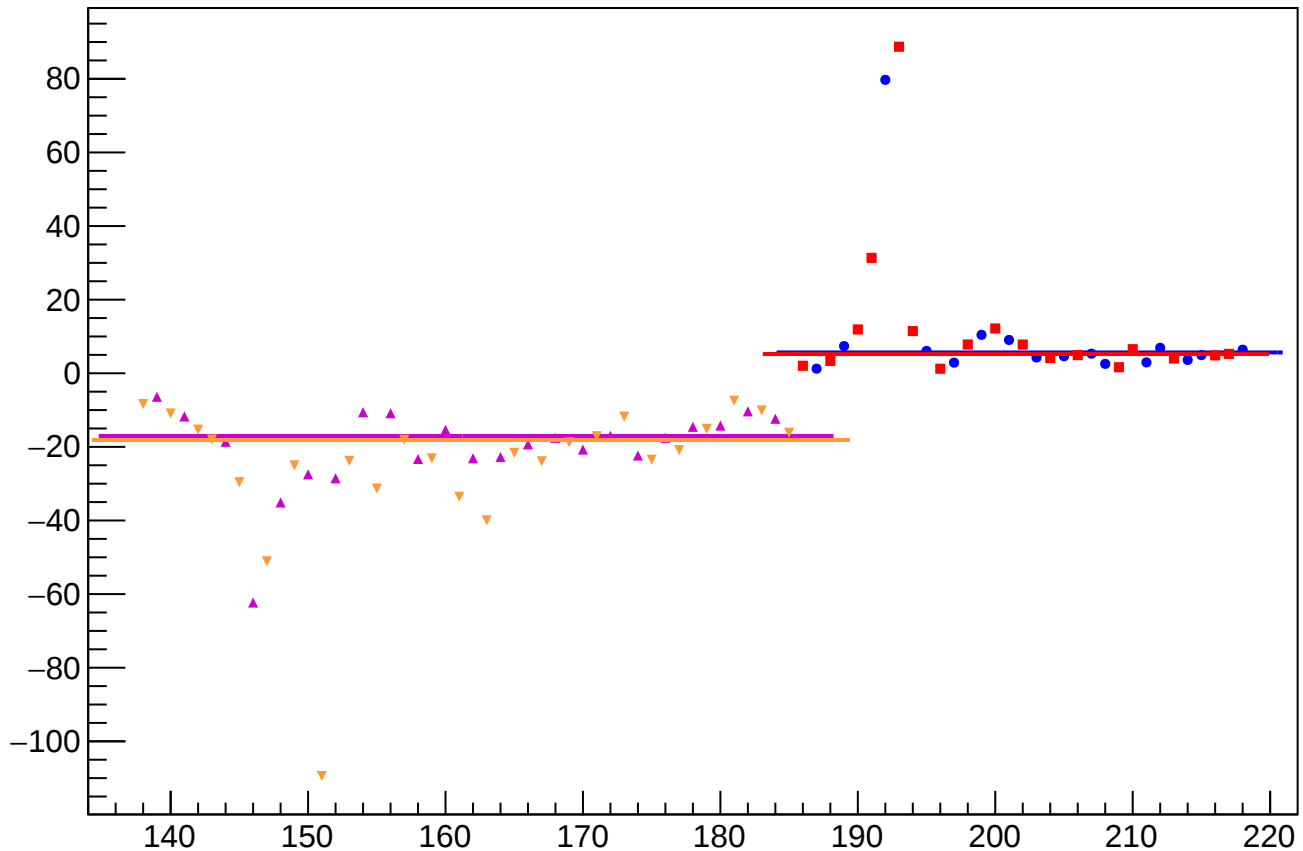
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign 1.558+/-0.010 χ^2/NDF : 2180153.9/57

All: 1.100+/-0.007 χ^2/NDF : 4264564.6/116

- sign 0.640+/-0.010 χ^2/NDF : 2080059.0/58

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: 5.241 ± 0.046 χ^2/NDF : 26888.1/16

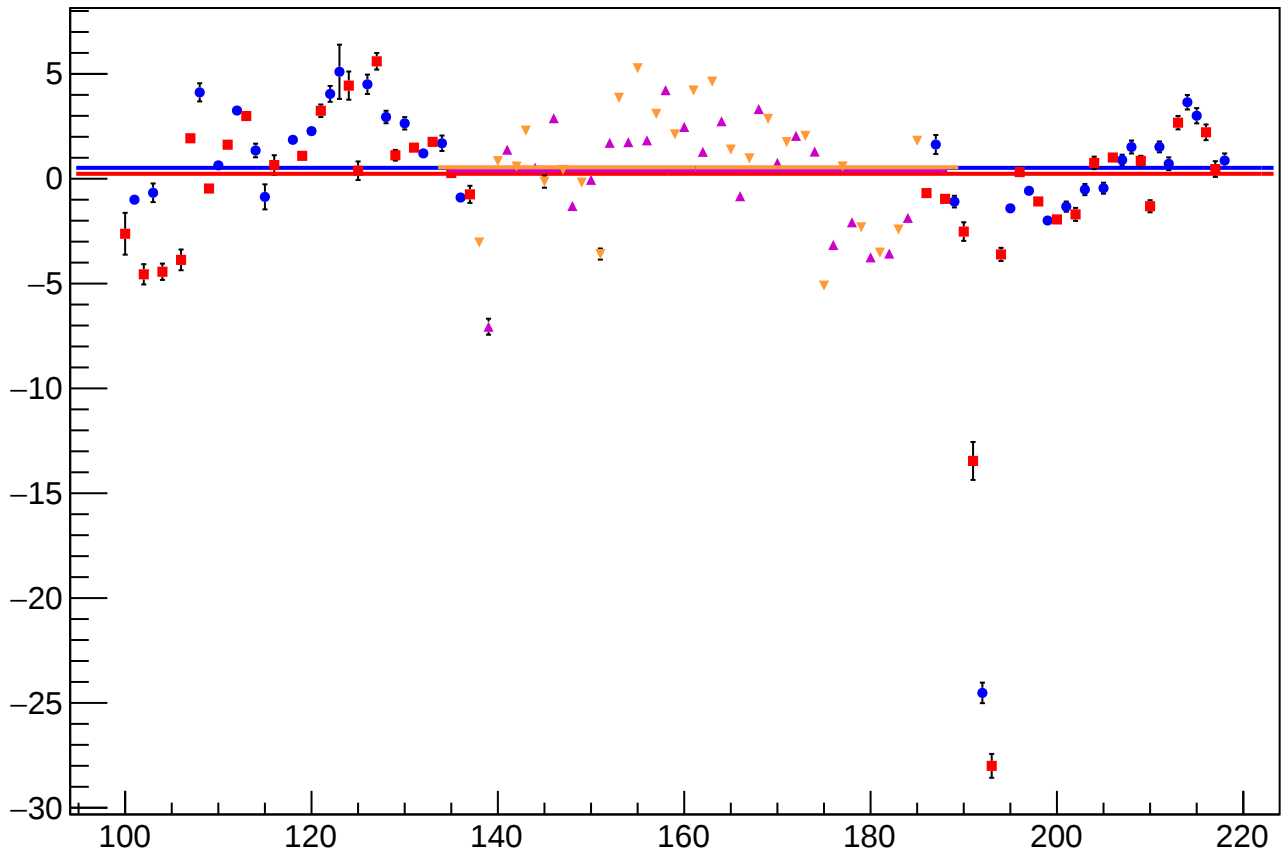
Left In: -17.038 ± 0.038 χ^2/NDF : 44141.1/22

+ sign -8.463 ± 0.030 χ^2/NDF : 266818.0/40

All: -8.260 ± 0.021 χ^2/NDF : 475292.0/80

- sign -8.064 ± 0.029 χ^2/NDF : 208383.5/39

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.520 ± 0.046 $\chi^2/\text{NDF}: 3995.4/32$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.236 ± 0.044 $\chi^2/\text{NDF}: 4388.0/35$

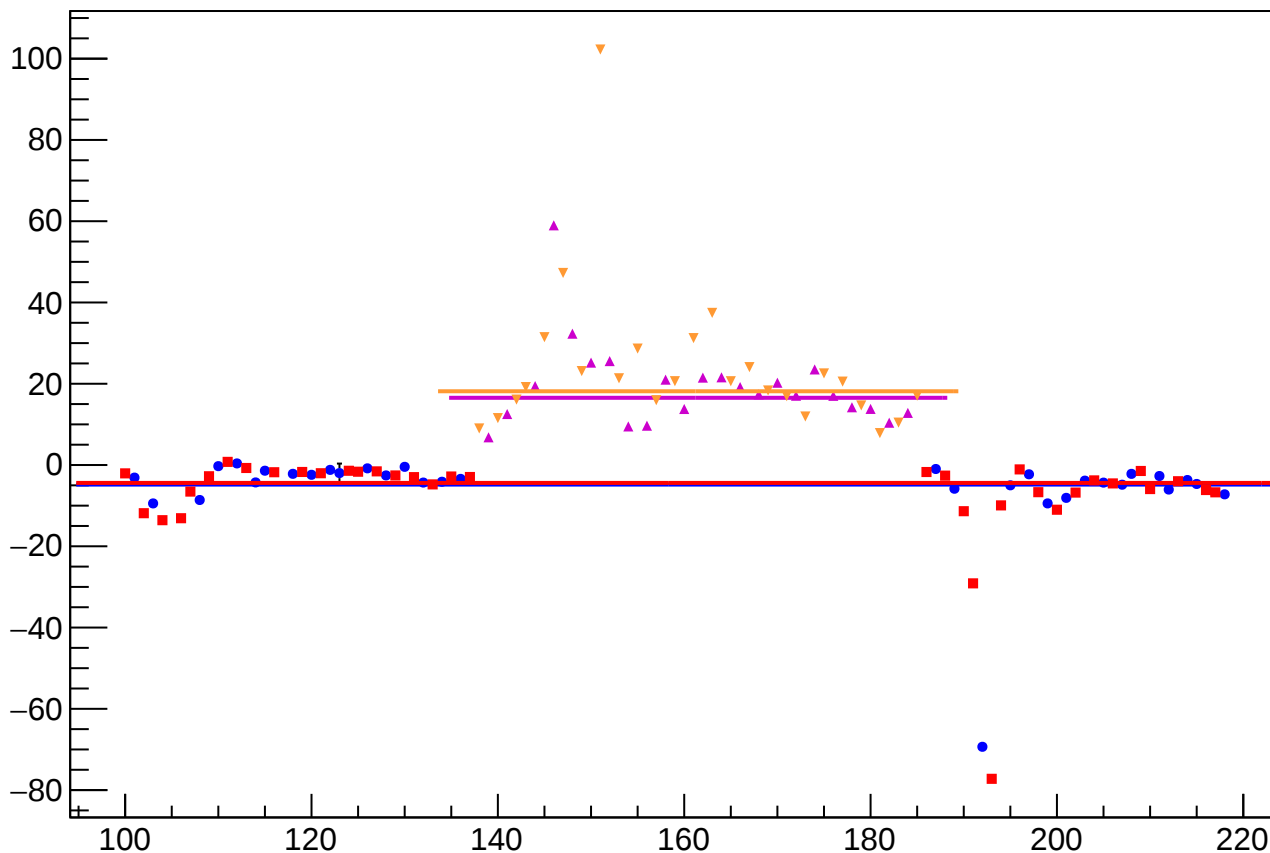
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.535 ± 0.026 $\chi^2/\text{NDF}: 11080.8/57$

All: 0.435 ± 0.018 $\chi^2/\text{NDF}: 21741.3/116$

- sign 0.344 ± 0.025 $\chi^2/\text{NDF}: 10632.8/58$

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: -4.404 ± 0.040 χ^2/NDF : 28422.3/35

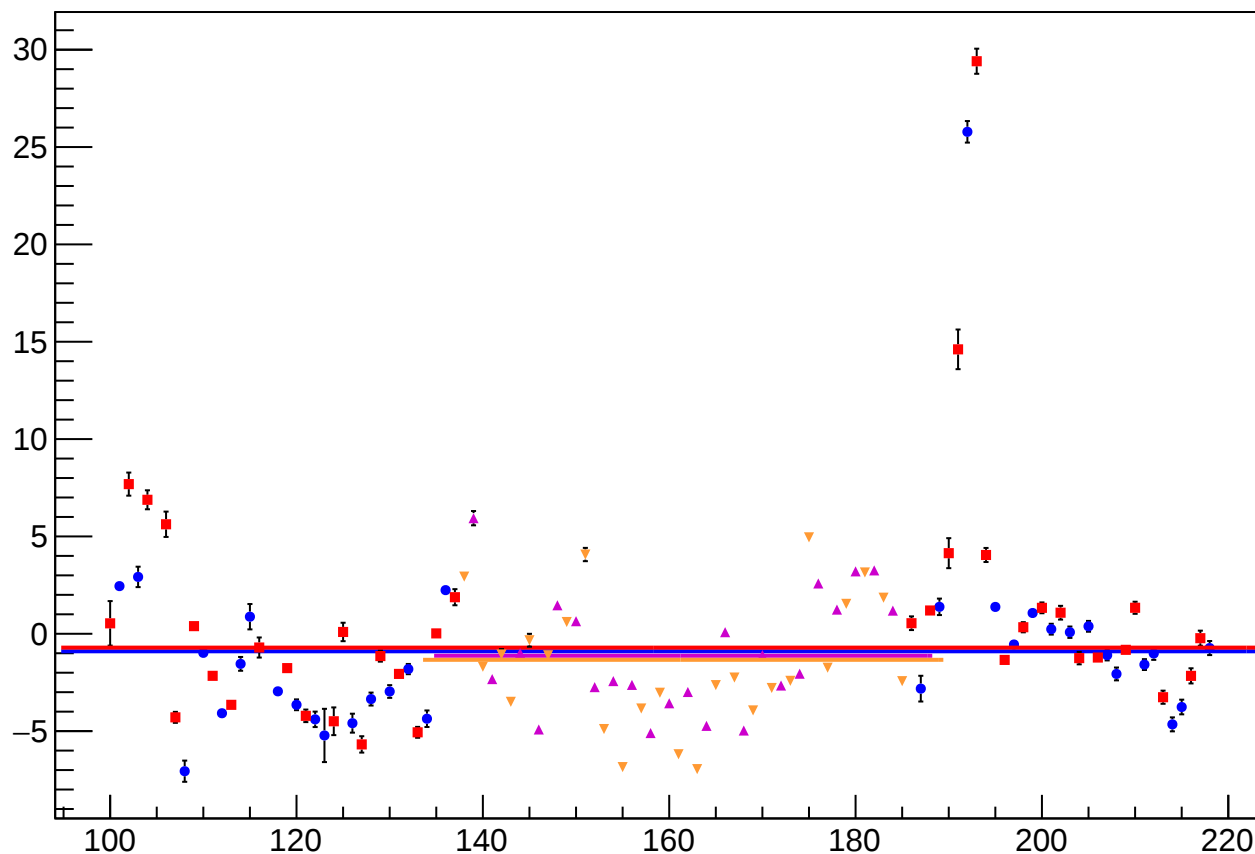
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 7.468 ± 0.029 χ^2/NDF : 265740.8/57

All: 6.992 ± 0.020 χ^2/NDF : 482262.8/116

- sign 6.557 ± 0.027 χ^2/NDF : 215992.3/58

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: -0.711 ± 0.050 $\chi^2/\text{NDF}: 4591.1/35$

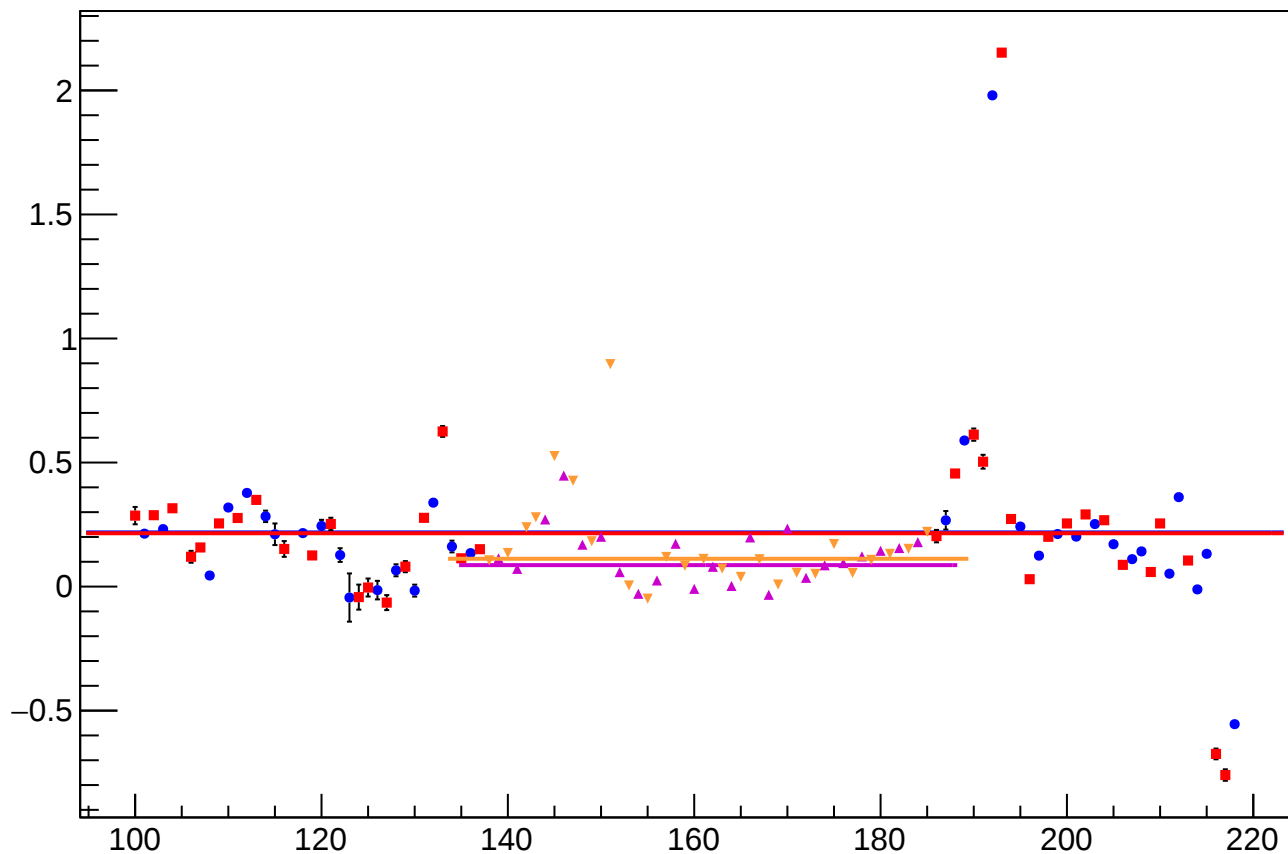
Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6740.3/22$

+ sign -1.197 ± 0.030 $\chi^2/\text{NDF}: 12105.7/57$

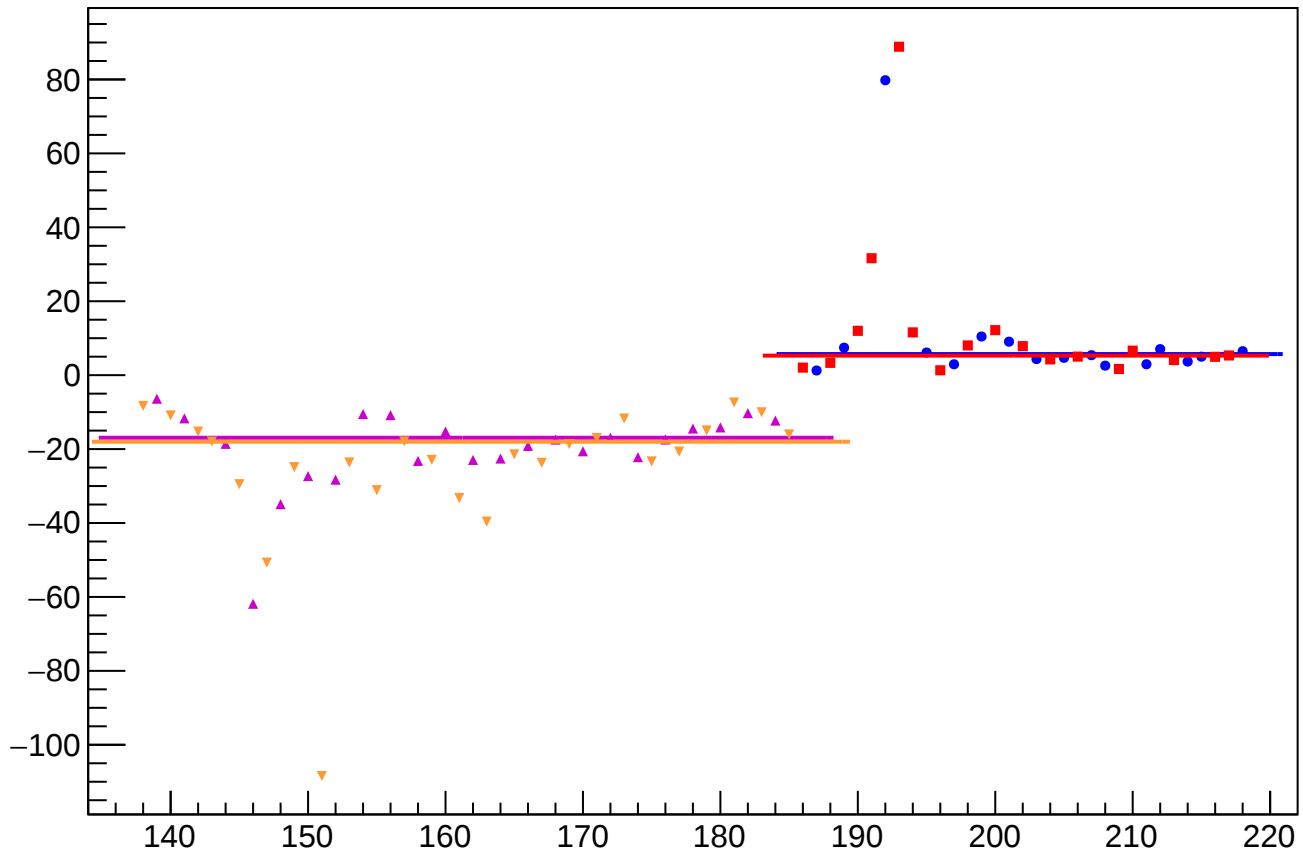
All: -1.093 ± 0.020 $\chi^2/\text{NDF}: 23508.3/116$

- sign -0.997 ± 0.028 $\chi^2/\text{NDF}: 11378.7/58$

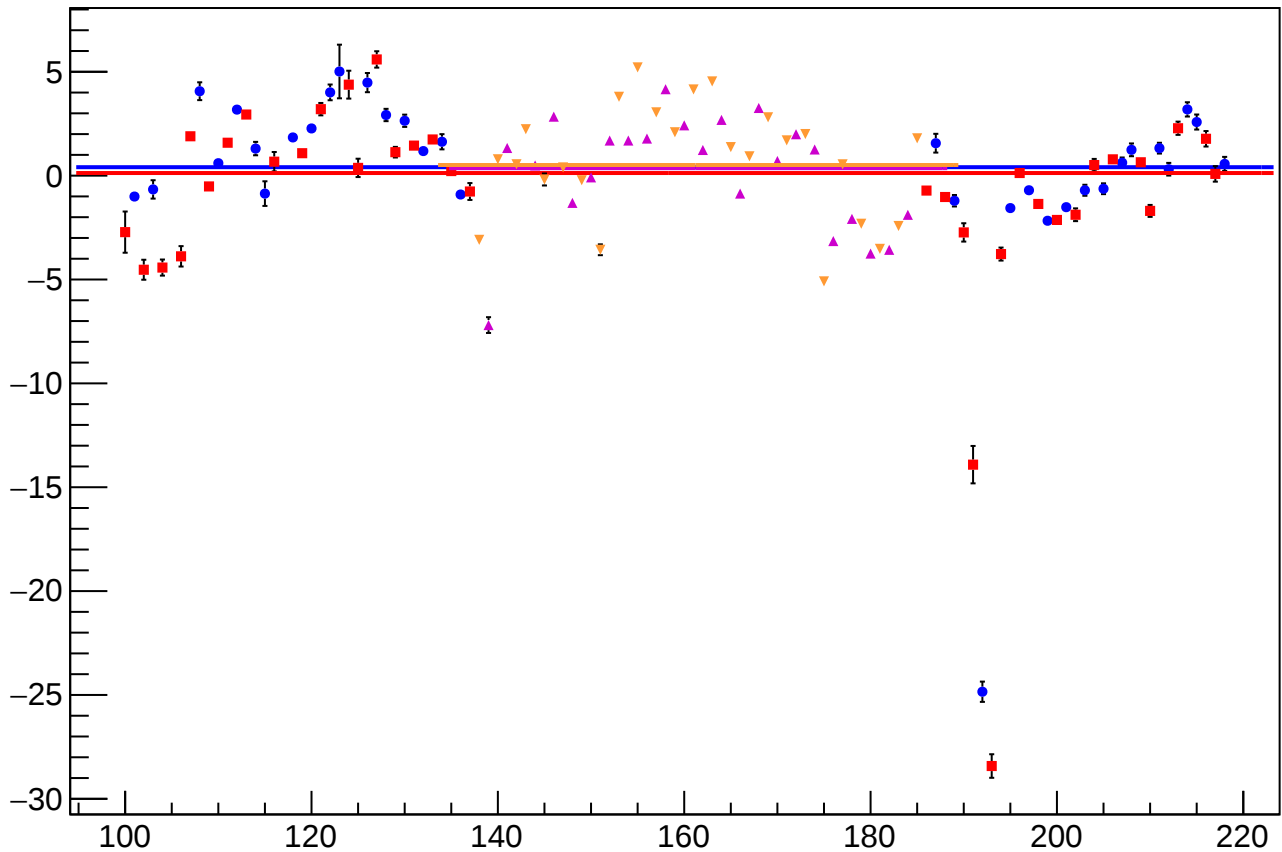
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.407 ± 0.045 $\chi^2/\text{NDF}: 4090.7/32$

Left Out: 0.511 ± 0.032 $\chi^2/\text{NDF}: 7070.4/24$

Right Out: 0.126 ± 0.043 $\chi^2/\text{NDF}: 4534.6/35$

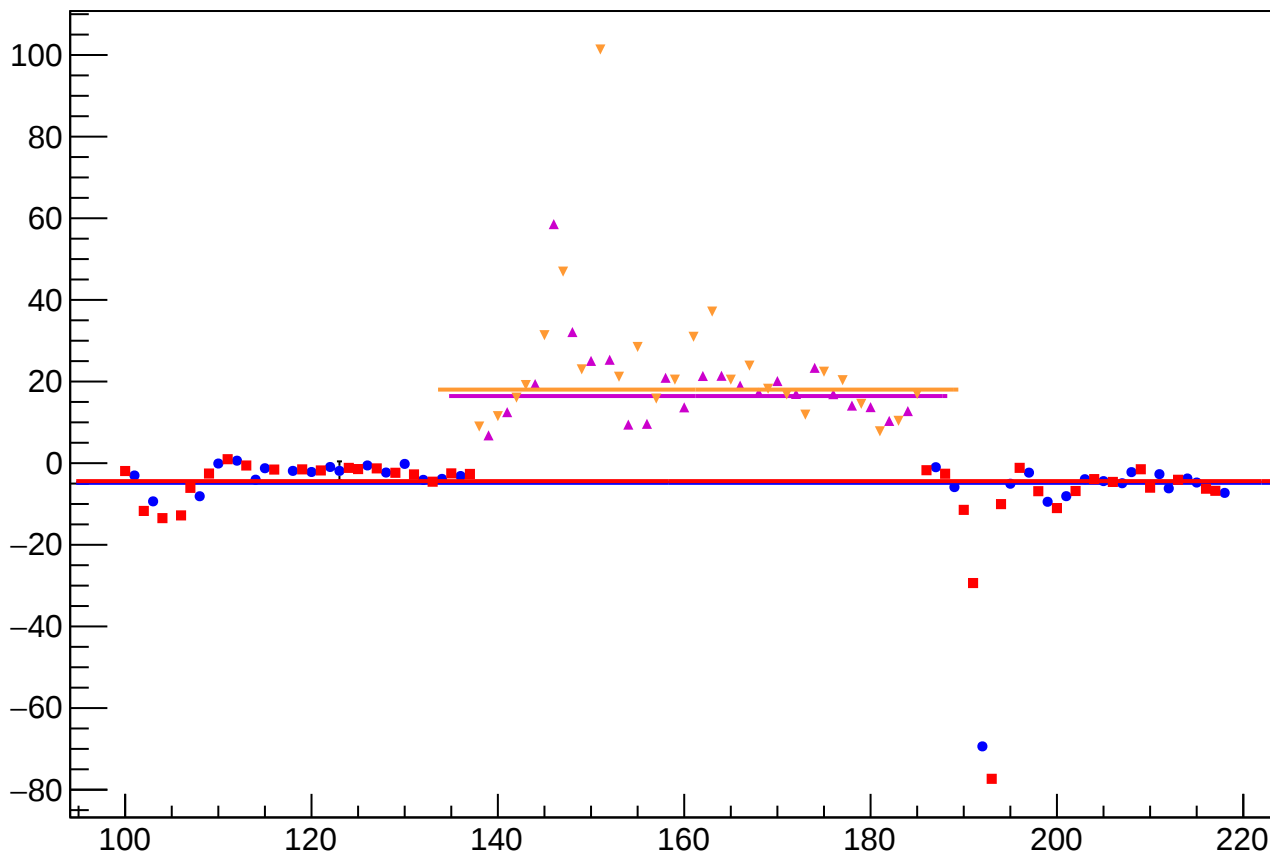
Left In: 0.360 ± 0.031 $\chi^2/\text{NDF}: 6221.1/22$

+ sign 0.477 ± 0.026 $\chi^2/\text{NDF}: 11164.6/57$

All: 0.375 ± 0.018 $\chi^2/\text{NDF}: 21968.5/116$

- sign 0.282 ± 0.025 $\chi^2/\text{NDF}: 10775.1/58$

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: -4.397 ± 0.039 χ^2/NDF : 28904.0/35

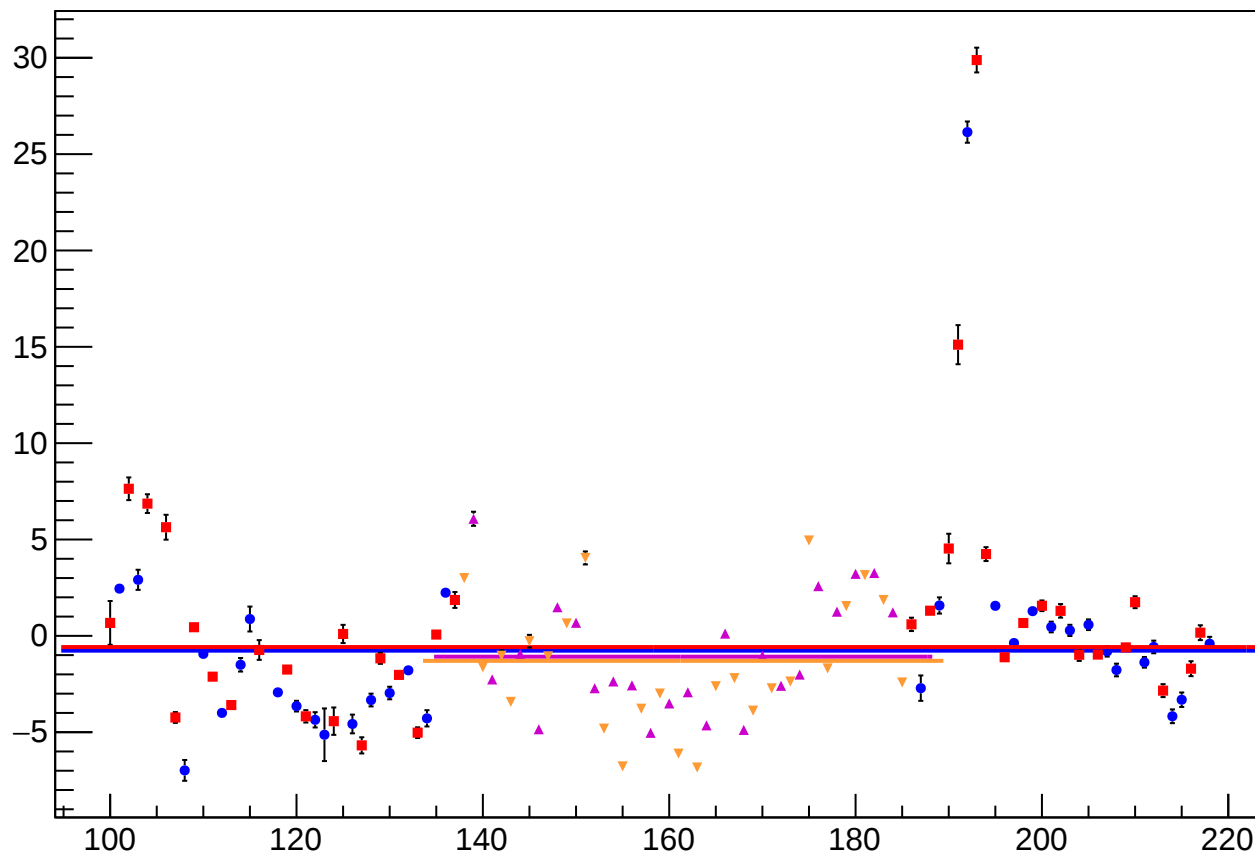
Left In: 16.443 ± 0.038 χ^2/NDF : 40780.6/22

+ sign 7.430 ± 0.028 χ^2/NDF : 266083.8/57

All: 6.949 ± 0.020 χ^2/NDF : 483431.6/116

- sign 6.511 ± 0.027 χ^2/NDF : 216800.4/58

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: -0.582 ± 0.050 χ^2/NDF : 4738.9/35

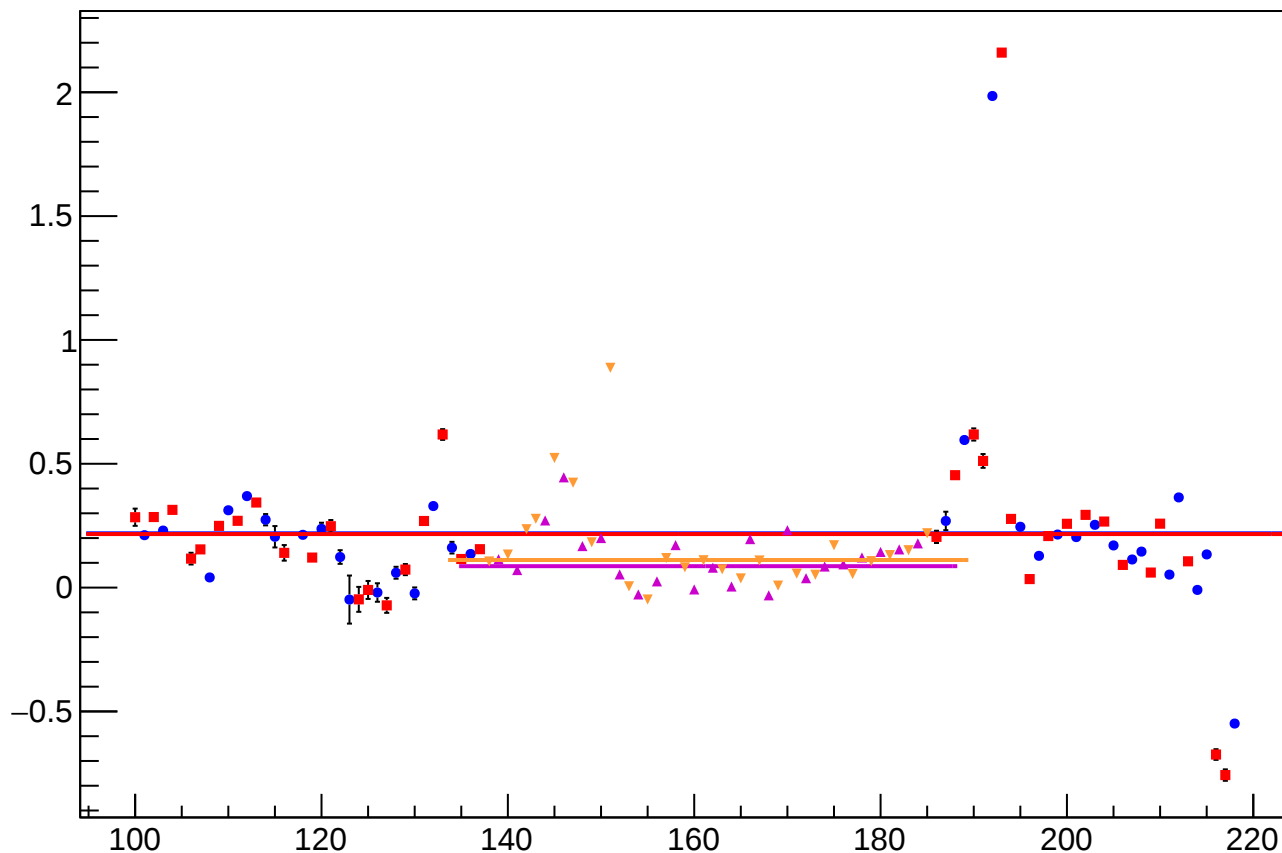
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.128 ± 0.029 χ^2/NDF : 12182.8/57

All: -1.021 ± 0.020 χ^2/NDF : 23739.2/116

- sign -0.924 ± 0.028 χ^2/NDF : 11531.3/58

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: 0.216 $\pm$ 0.002 χ^2 /NDF: 15846.0/35

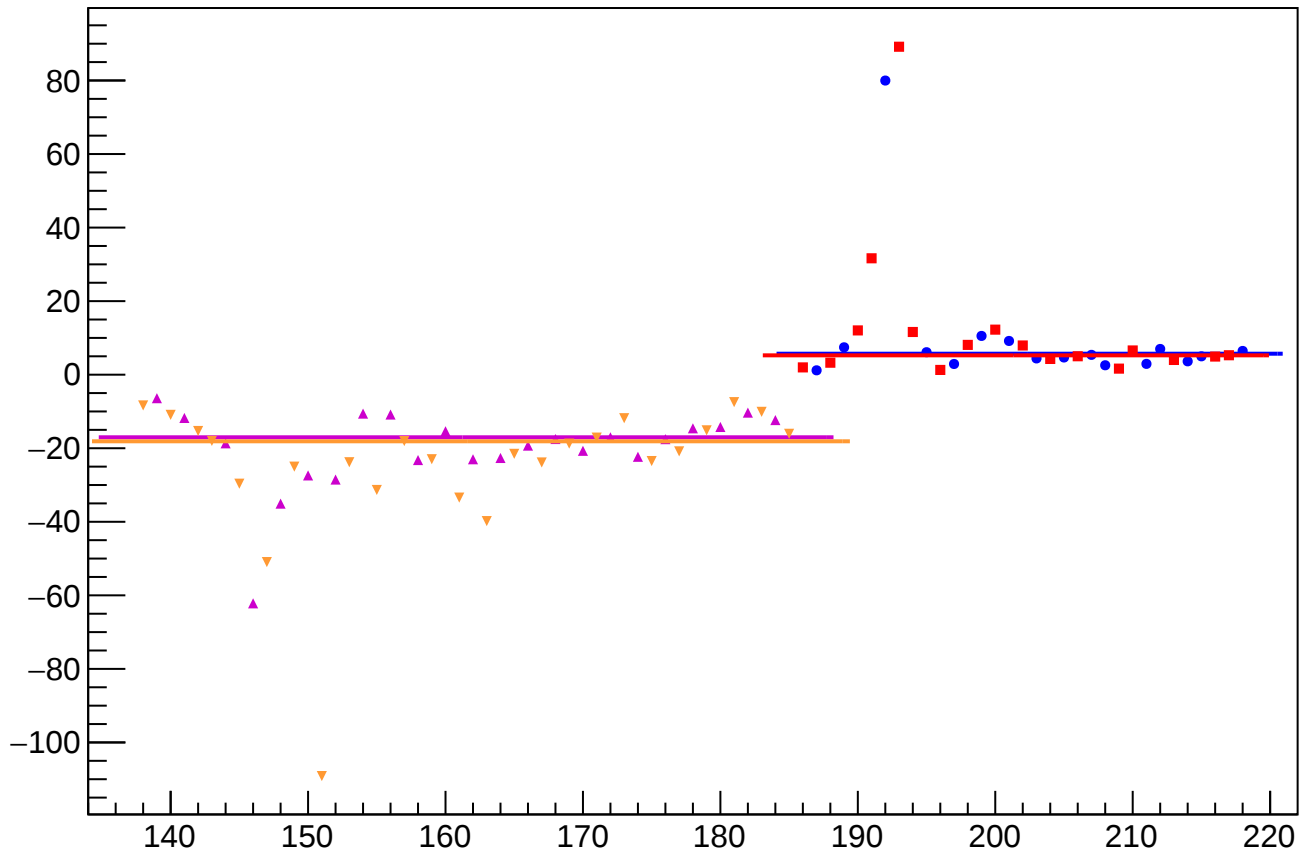
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3625.5/22

+ sign 0.146 $\pm$ 0.001 χ^2 /NDF: 19424.5/57

All: 0.135 $\pm$ 0.001 χ^2 /NDF: 41286.7/116

- sign 0.125 $\pm$ 0.001 χ^2 /NDF: 21735.1/58

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: 5.261 ± 0.046 χ^2/NDF : 27264.0/16

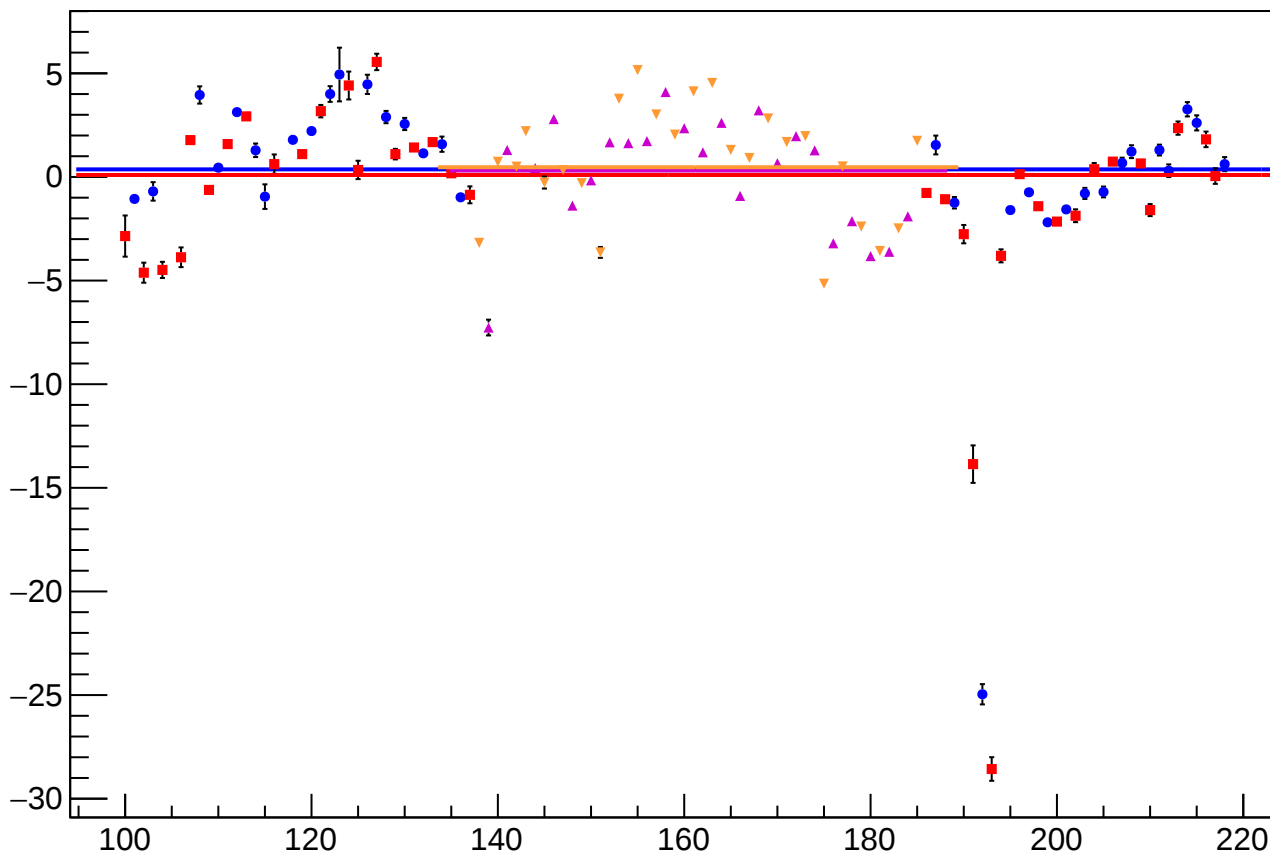
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -8.496 ± 0.030 χ^2/NDF : 267303.8/40

All: -8.276 ± 0.021 χ^2/NDF : 476728.8/80

- sign -8.064 ± 0.029 χ^2/NDF : 209319.0/39

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.366 ± 0.046 χ^2/NDF : 4086.3/32

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.095 ± 0.044 χ^2/NDF : 4527.4/35

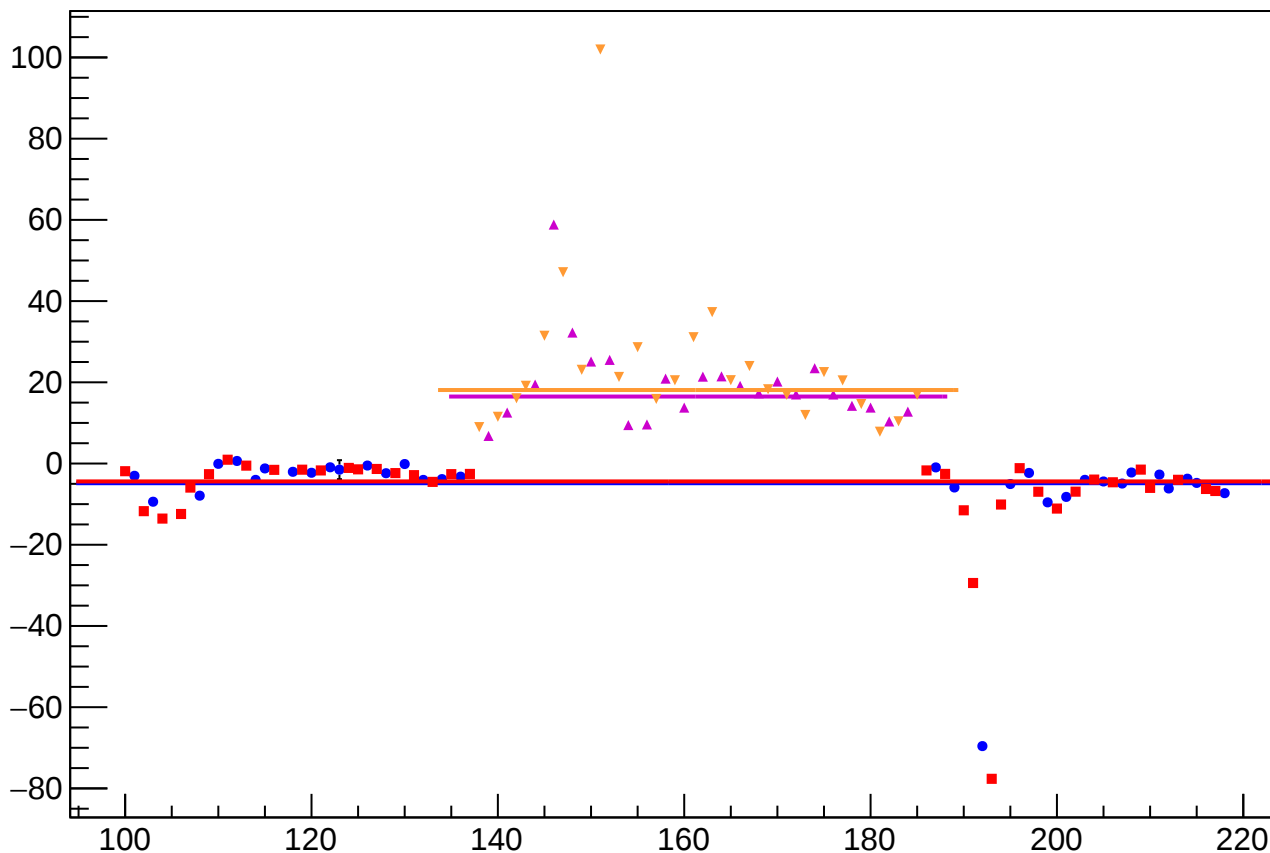
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.435 ± 0.026 χ^2/NDF : 11182.7/57

All: 0.332 ± 0.018 χ^2/NDF : 21938.4/116

- sign 0.239 ± 0.025 χ^2/NDF : 10726.9/58

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: -4.404 ± 0.039 $\chi^2/\text{NDF}: 28907.7/35$

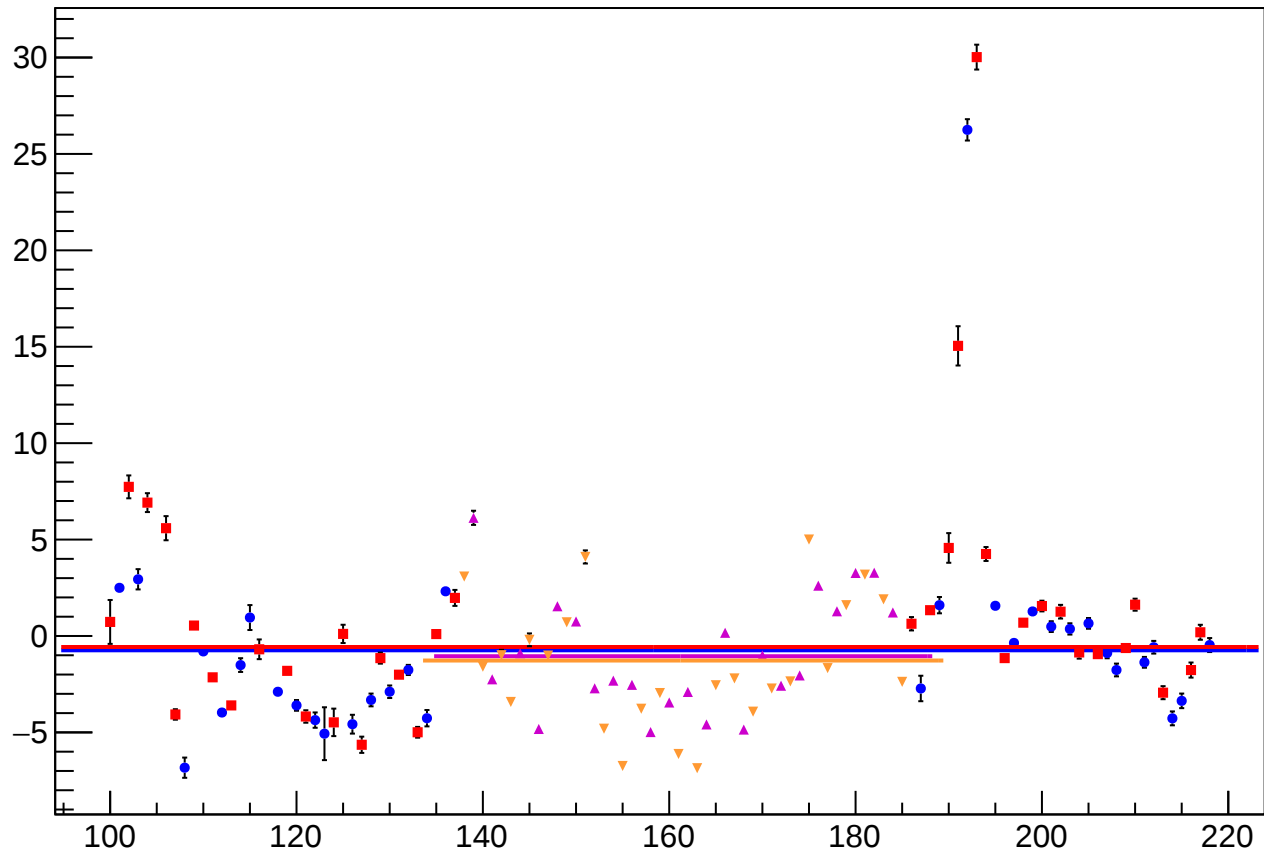
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 7.483 ± 0.029 $\chi^2/\text{NDF}: 265851.2/57$

All: 6.989 ± 0.020 $\chi^2/\text{NDF}: 482953.4/116$

- sign 6.540 ± 0.027 $\chi^2/\text{NDF}: 216531.7/58$

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: -0.572 ± 0.050 χ^2/NDF : 4733.2/35

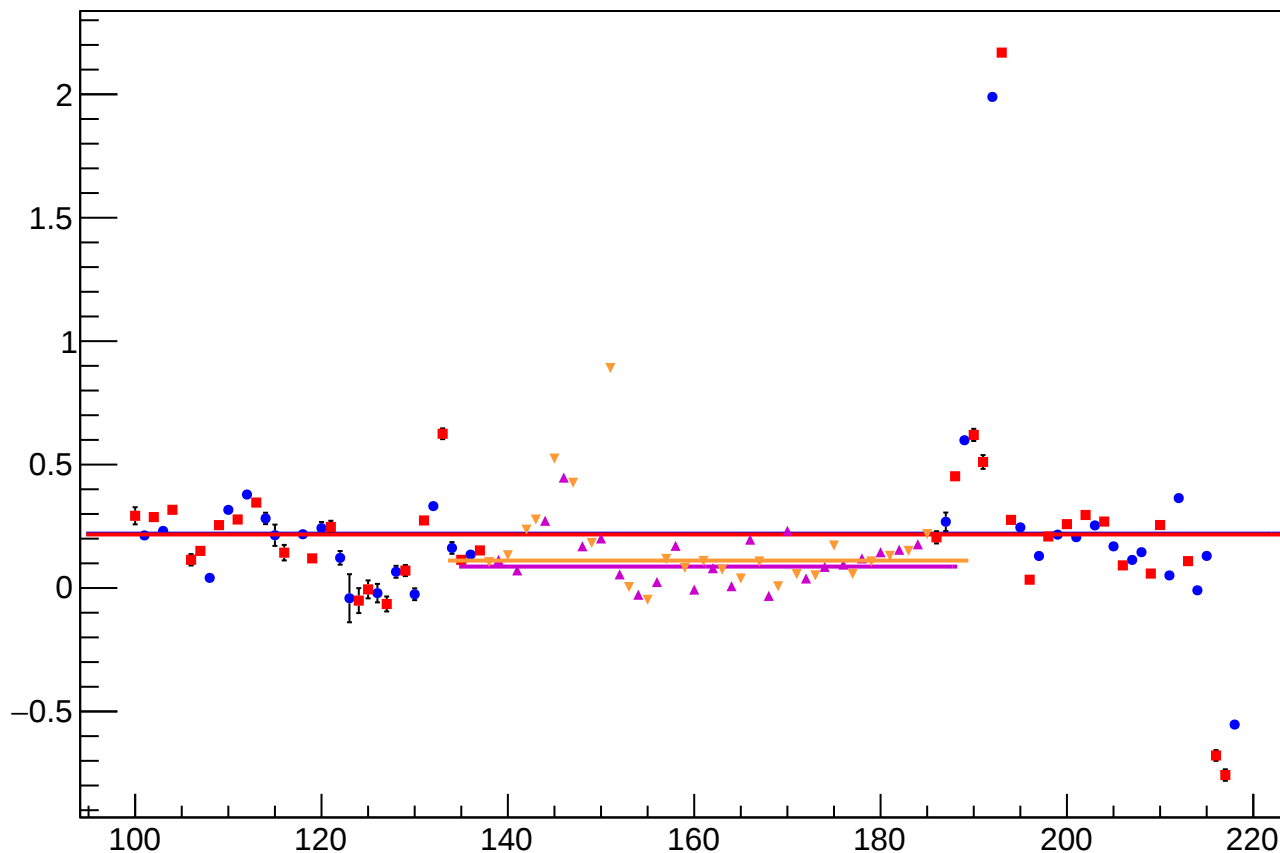
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.104 ± 0.030 χ^2/NDF : 12208.7/57

All: -0.997 ± 0.020 χ^2/NDF : 23702.5/116

- sign -0.900 ± 0.028 χ^2/NDF : 11468.9/58

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: 0.217 $\pm$ 0.002 χ^2 /NDF: 15834.9/35

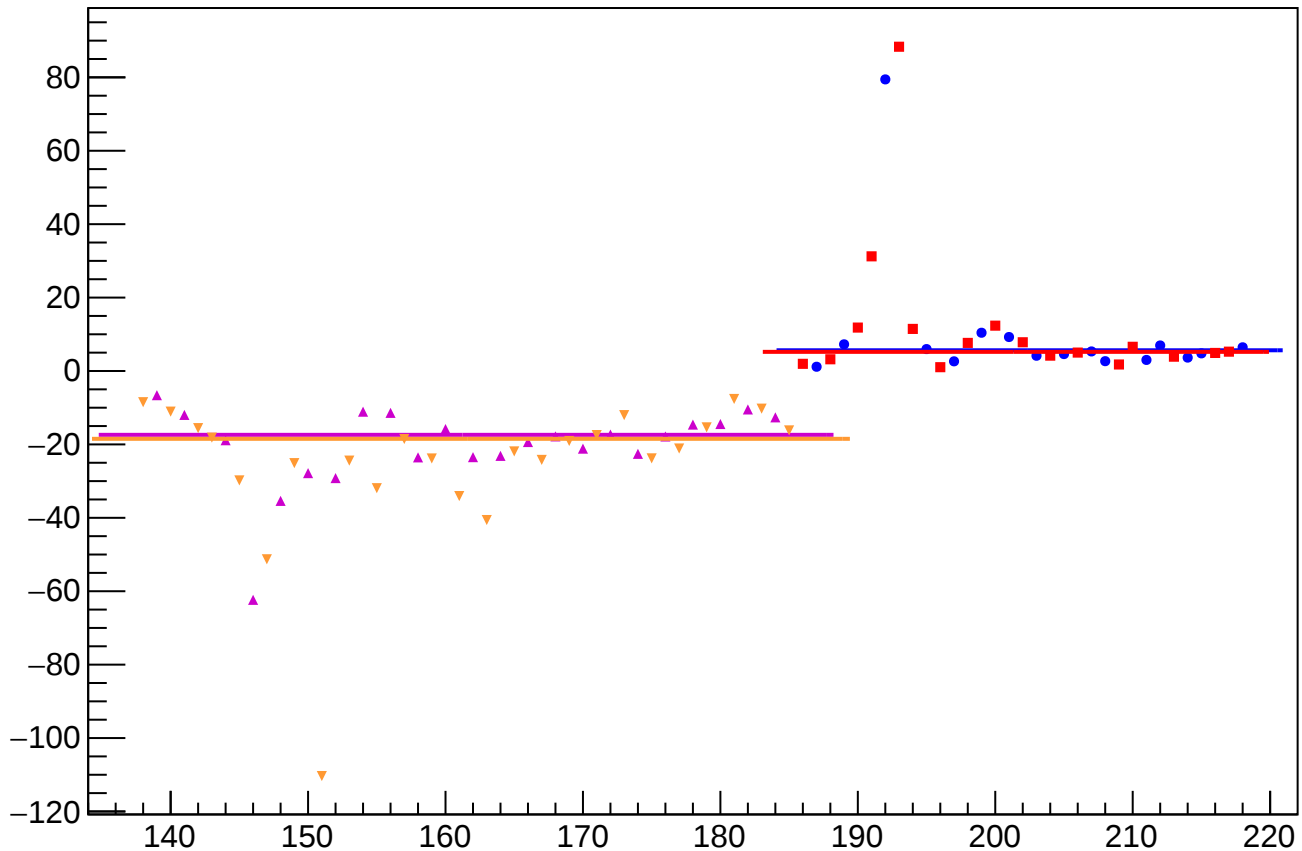
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3598.5/22

+ sign 0.146 $\pm$ 0.001 χ^2 /NDF: 19418.7/57

All: 0.135 $\pm$ 0.001 χ^2 /NDF: 41236.2/116

- sign 0.126 $\pm$ 0.001 χ^2 /NDF: 21694.5/58

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: 5.216 ± 0.047 χ^2/NDF : 26683.2/16

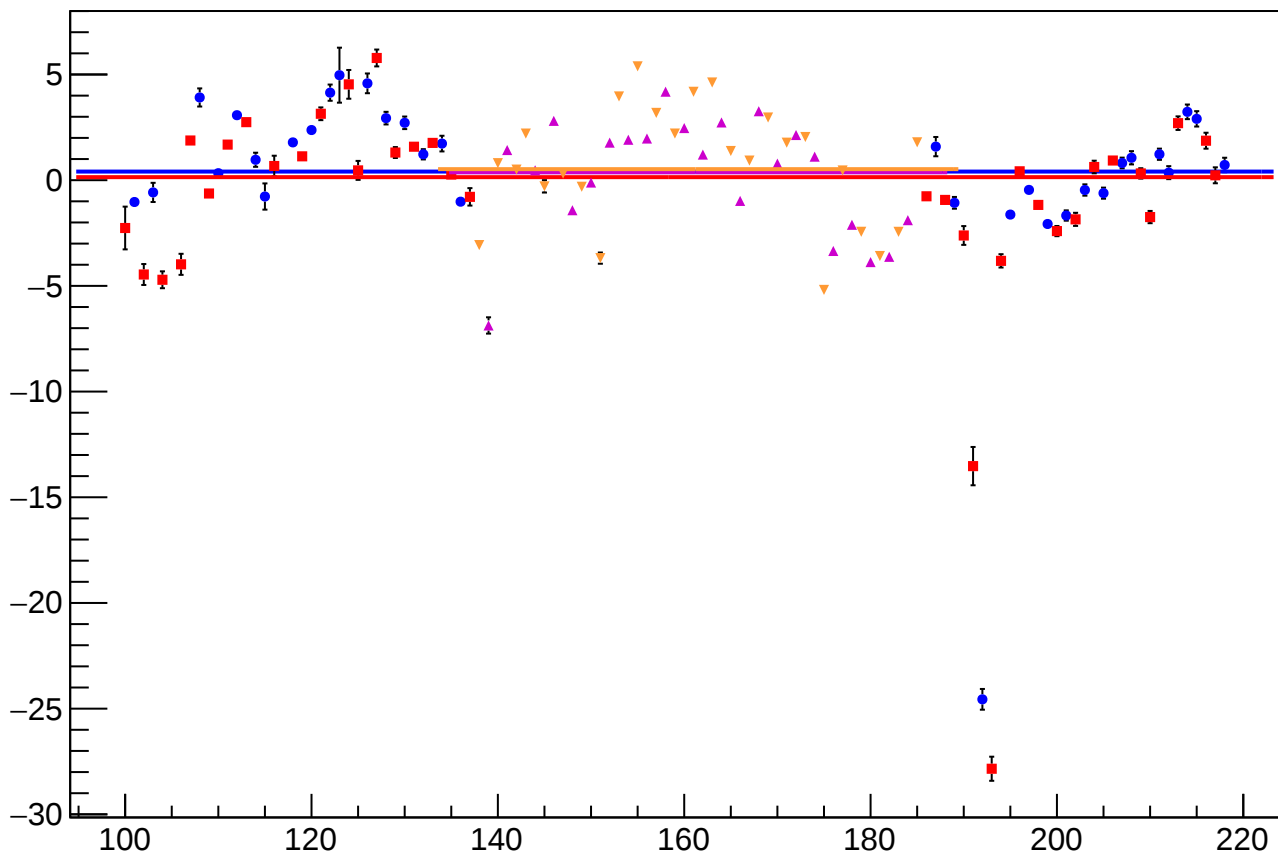
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -8.530 ± 0.030 χ^2/NDF : 266380.0/40

All: -8.307 ± 0.021 χ^2/NDF : 474909.6/80

- sign -8.091 ± 0.030 χ^2/NDF : 208423.3/39

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.407 ± 0.046 χ^2/NDF : 3954.9/32

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.143 ± 0.044 χ^2/NDF : 4387.7/35

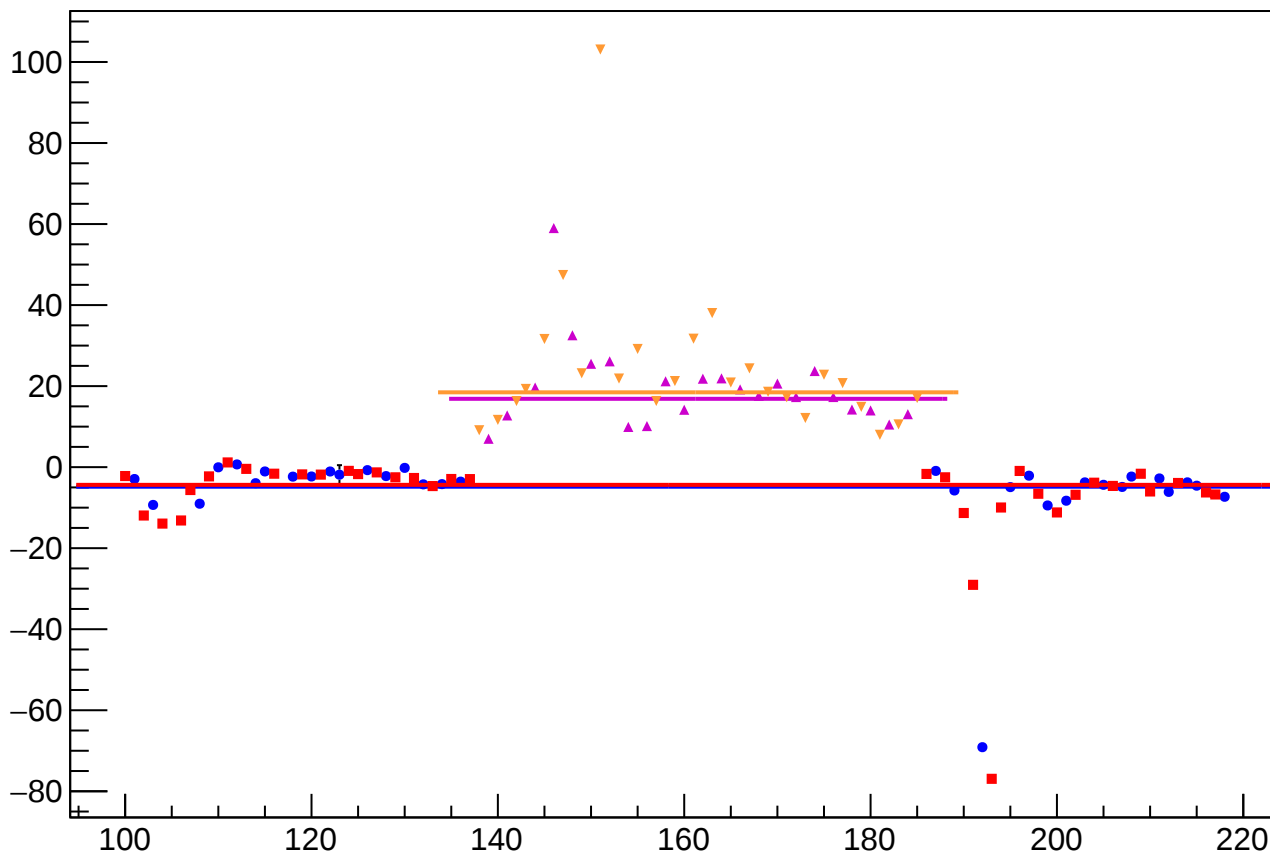
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.483 ± 0.027 χ^2/NDF : 11014.0/57

All: 0.384 ± 0.019 χ^2/NDF : 21662.6/116

- sign 0.295 ± 0.026 χ^2/NDF : 10622.8/58

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -4.823 ± 0.042 $\chi^2/\text{NDF}: 27210.0/32$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -4.369 ± 0.040 $\chi^2/\text{NDF}: 28353.9/35$

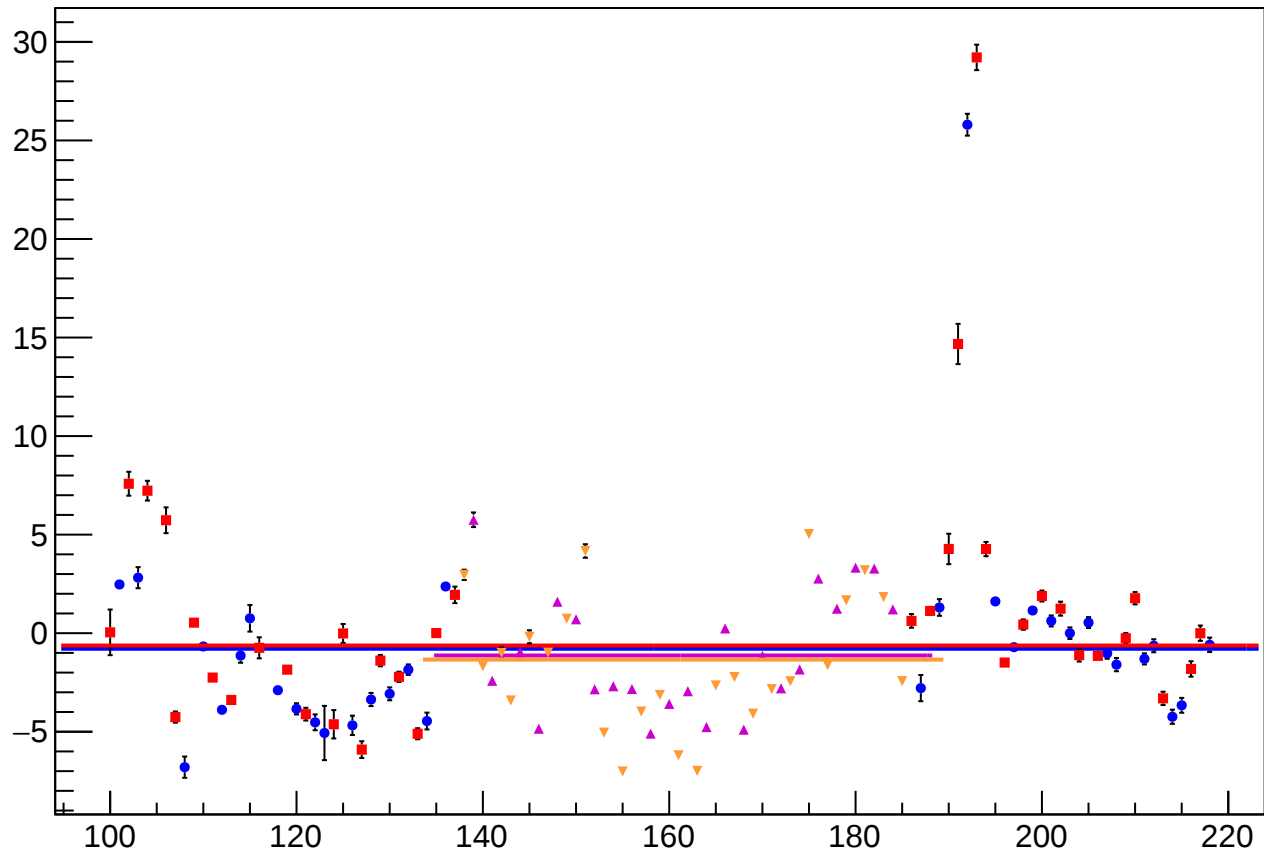
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 7.509 ± 0.029 $\chi^2/\text{NDF}: 264875.3/57$

All: 7.016 ± 0.020 $\chi^2/\text{NDF}: 480589.8/116$

- sign 6.569 ± 0.028 $\chi^2/\text{NDF}: 215165.5/58$

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: -0.627 ± 0.051 $\chi^2/\text{NDF}: 4604.0/35$

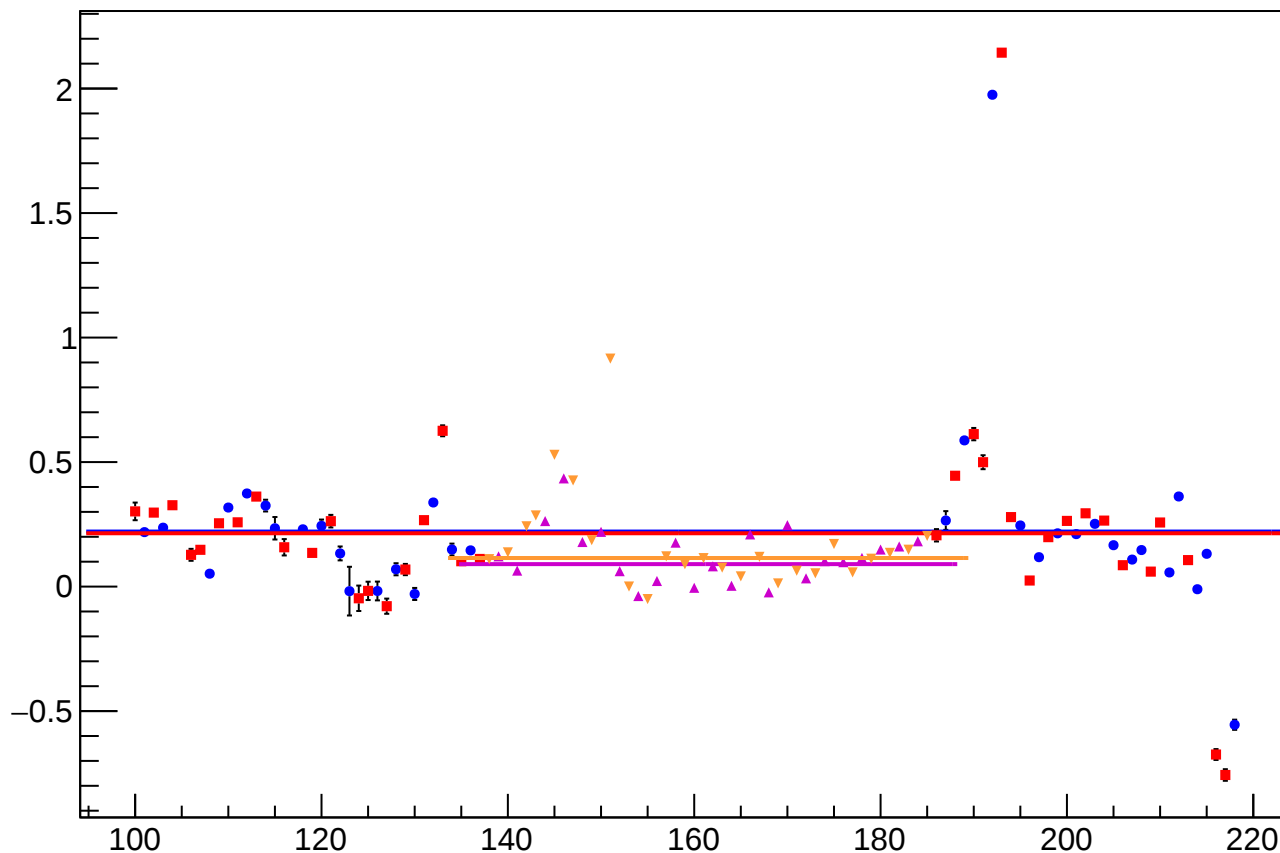
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.162 ± 0.030 $\chi^2/\text{NDF}: 12052.3/57$

All: -1.062 ± 0.021 $\chi^2/\text{NDF}: 23453.0/116$

- sign -0.971 ± 0.029 $\chi^2/\text{NDF}: 11379.6/58$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.221 $\pm$ 0.002 χ^2 /NDF: 13198.3/32

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF: 4431.9/24

Right Out: 0.214 $\pm$ 0.002 χ^2 /NDF: 15623.2/35

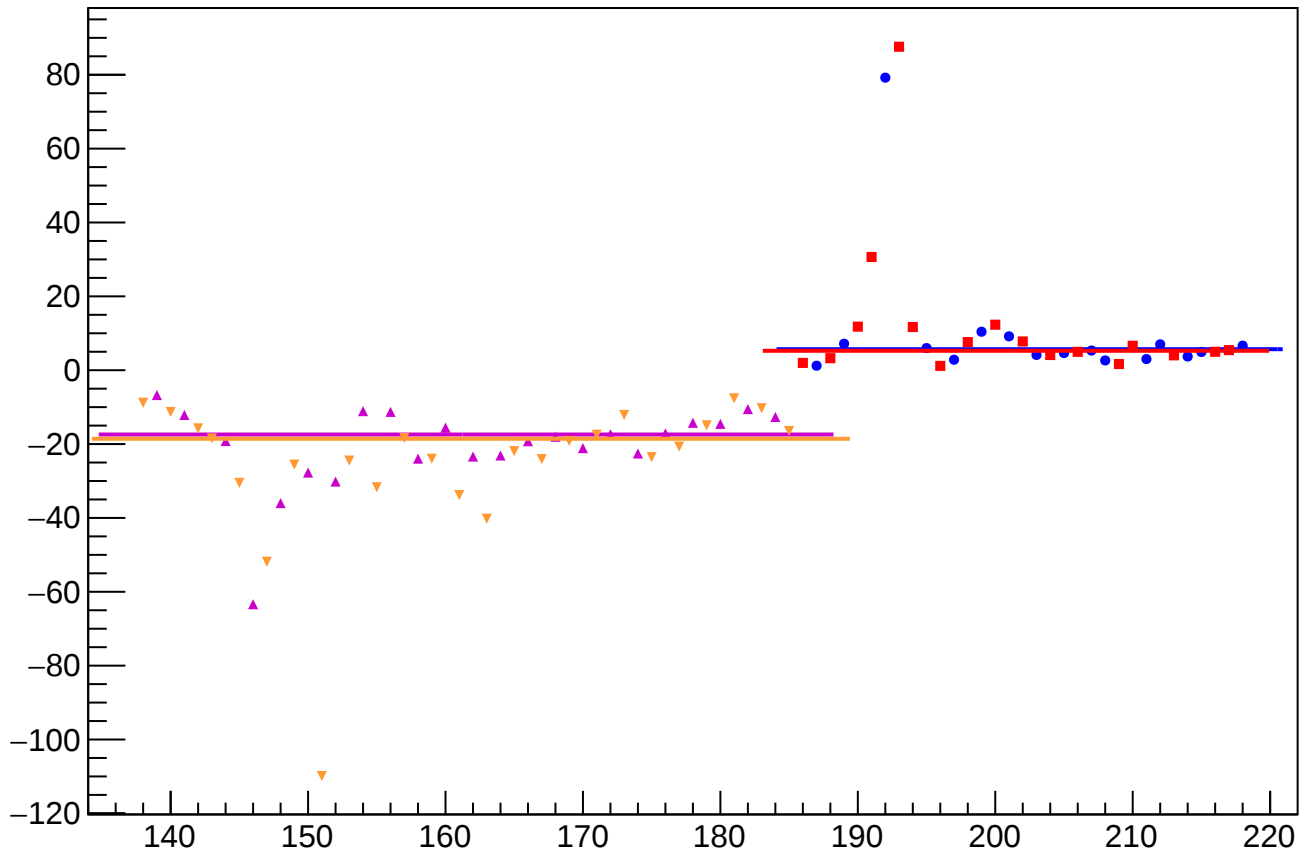
Left In: 0.090 $\pm$ 0.002 χ^2 /NDF: 3676.5/22

+ sign 0.149 $\pm$ 0.001 χ^2 /NDF: 19000.2/57

All: 0.138 $\pm$ 0.001 χ^2 /NDF: 40420.6/116

- sign 0.128 $\pm$ 0.001 χ^2 /NDF: 21290.6/58

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 5.688 ± 0.048 χ^2/NDF : 25728.1/15

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 5.261 ± 0.047 χ^2/NDF : 26050.5/16

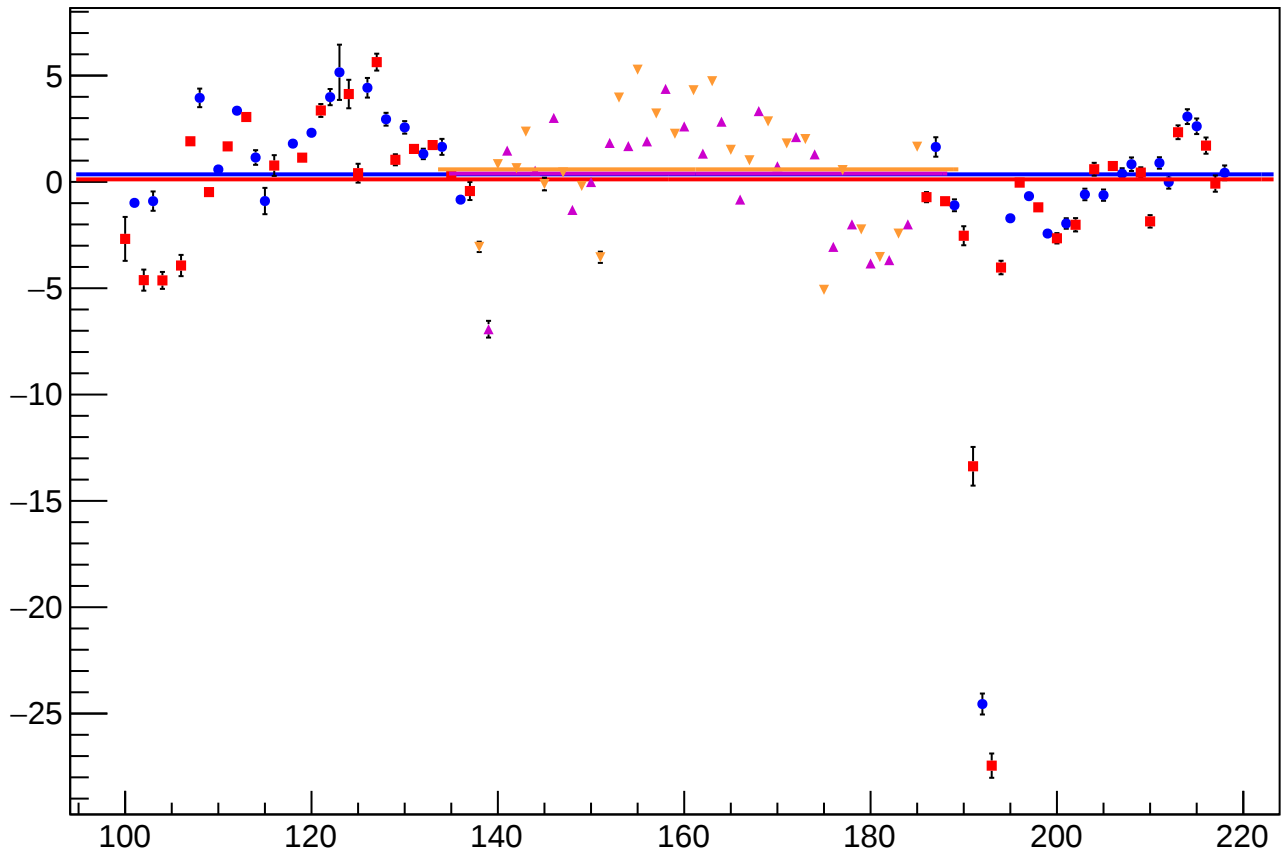
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -8.583 ± 0.031 χ^2/NDF : 262725.6/40

All: -8.350 ± 0.022 χ^2/NDF : 468730.5/80

- sign -8.126 ± 0.030 χ^2/NDF : 205892.9/39

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: 0.119 ± 0.045 χ^2/NDF : 4324.1/35

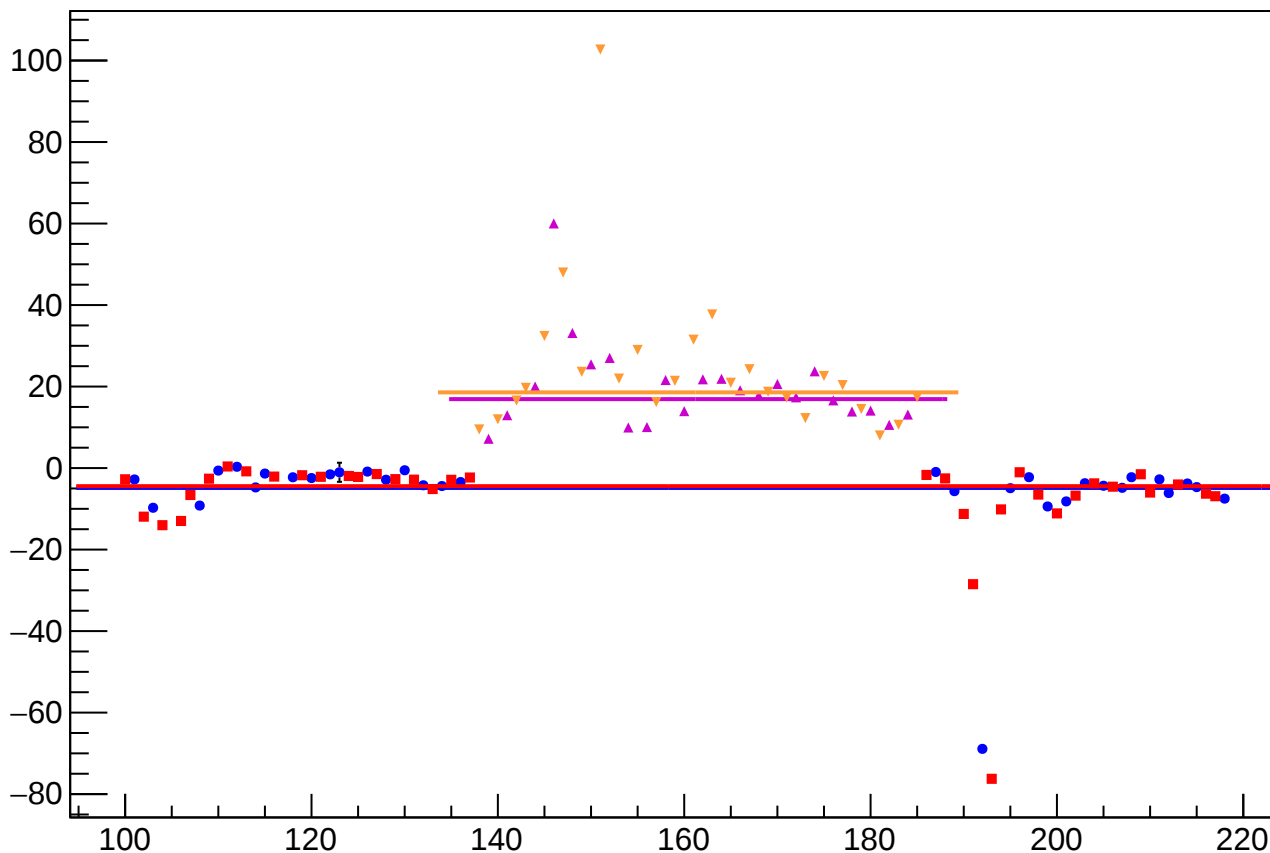
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.511 ± 0.027 χ^2/NDF : 10783.0/57

All: 0.402 ± 0.019 χ^2/NDF : 21223.2/116

- sign 0.302 ± 0.026 χ^2/NDF : 10409.0/58

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -4.871 ± 0.043 $\chi^2/\text{NDF}: 26557.5/32$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.441 ± 0.040 $\chi^2/\text{NDF}: 27496.2/35$

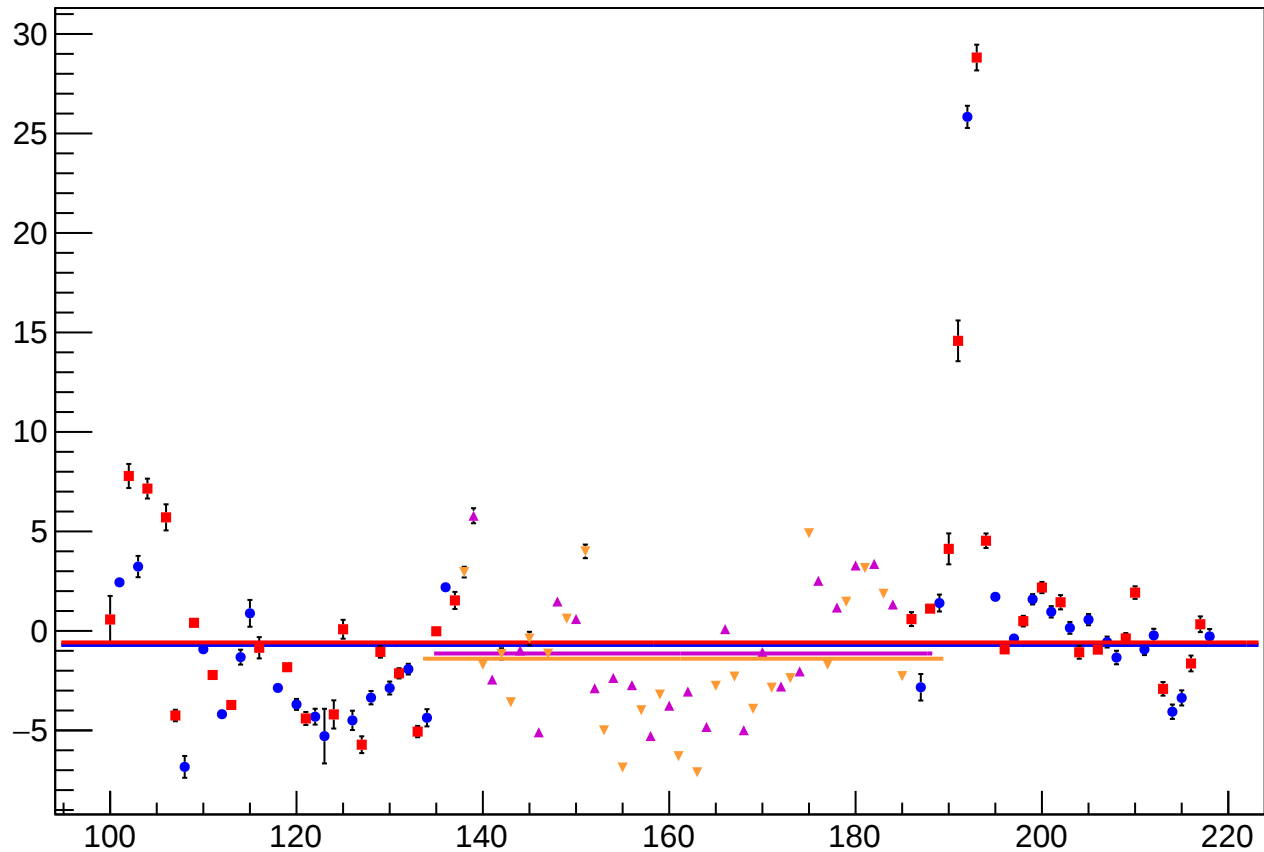
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 7.573 ± 0.029 $\chi^2/\text{NDF}: 261682.2/57$

All: 7.073 ± 0.020 $\chi^2/\text{NDF}: 475255.0/116$

- sign 6.617 ± 0.028 $\chi^2/\text{NDF}: 213016.1/58$

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: -0.579 ± 0.052 $\chi^2/\text{NDF}: 4530.0/35$

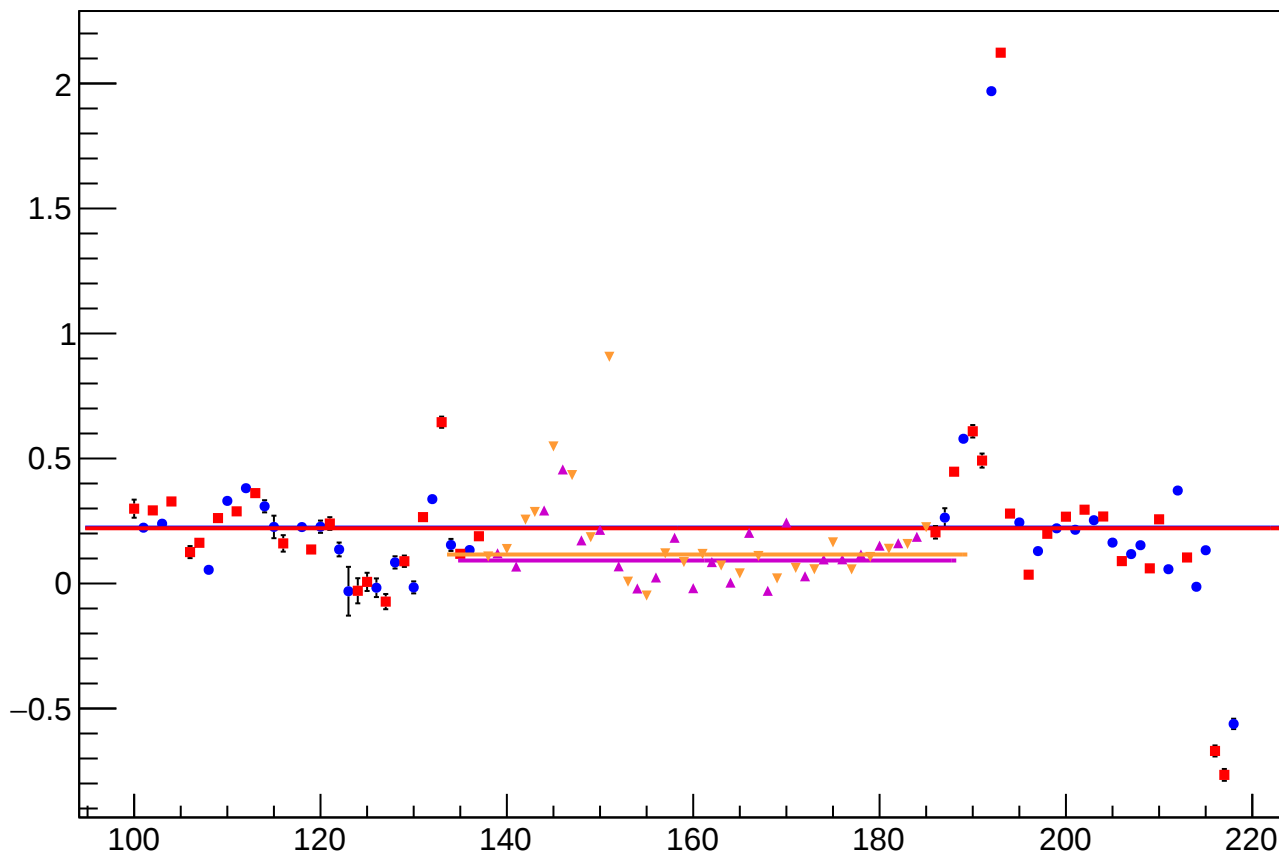
Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

+ sign -1.174 ± 0.030 $\chi^2/\text{NDF}: 11811.9/57$

All: -1.061 ± 0.021 $\chi^2/\text{NDF}: 23044.9/116$

- sign -0.958 ± 0.029 $\chi^2/\text{NDF}: 11206.7/58$

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: 0.221 ± 0.002 χ^2/NDF : 15095.1/35

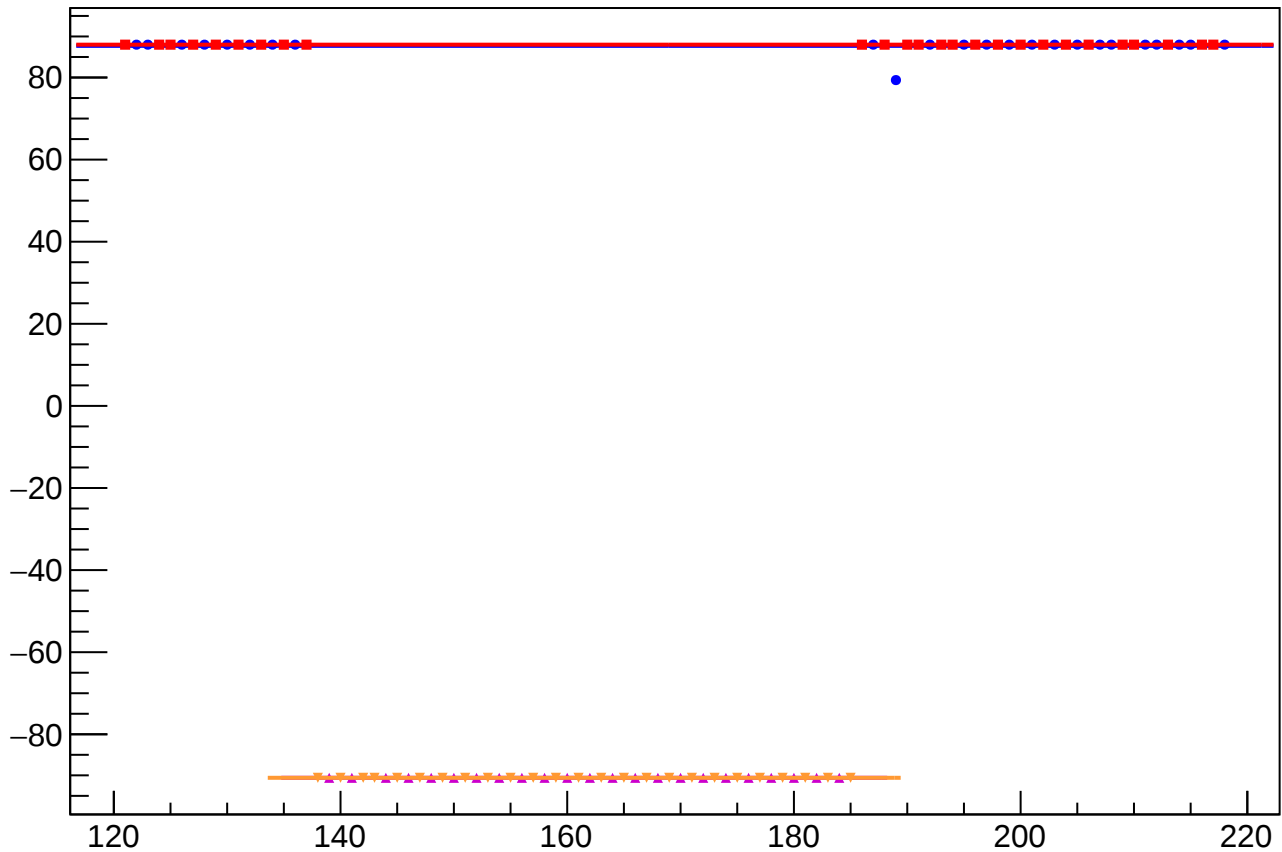
Left In: 0.092 ± 0.002 χ^2/NDF : 3631.4/22

+ sign 0.151 ± 0.001 χ^2/NDF : 18779.2/57

All: 0.140 ± 0.001 χ^2/NDF : 39712.6/116

- sign 0.131 ± 0.001 χ^2/NDF : 20822.7/58

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 : 1353862.0/25

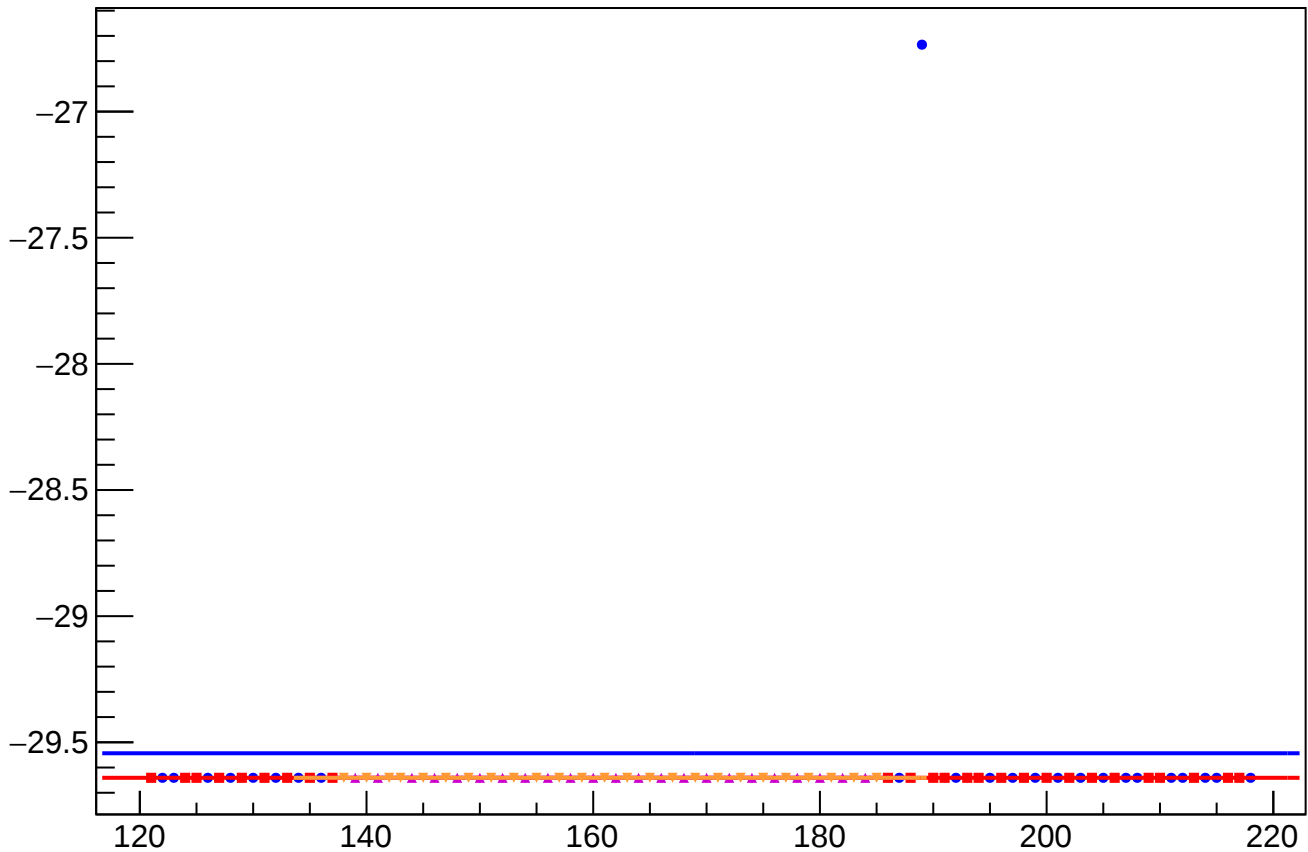
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -11.465+/-0.000 χ^2/NDF : 269547195534102

All: -10.301+/-0.000 χ^2/NDF : 533244714796

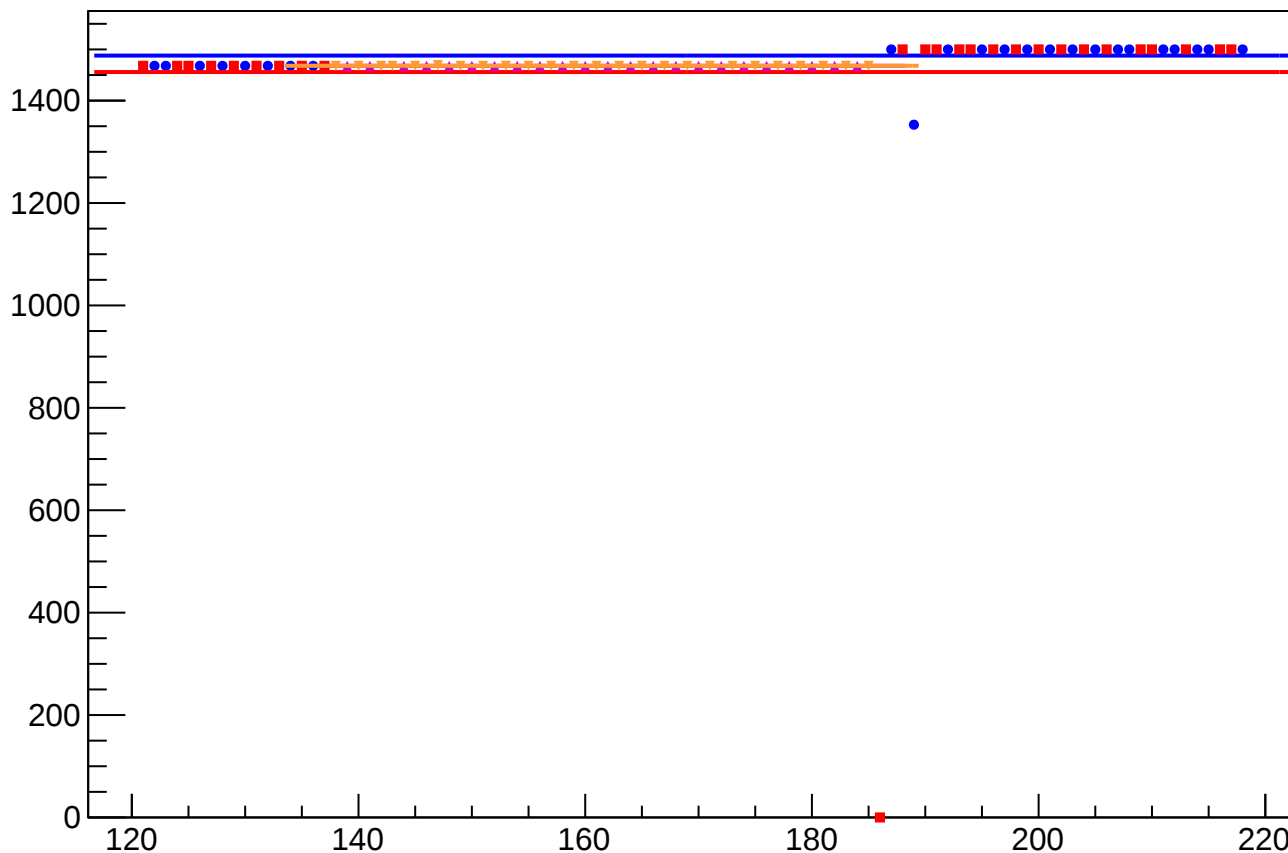
- sign -9.101+/-0.000 χ^2/NDF : 26360297943920728

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 : 1555532.7/25 All: -29.619+/-0.000 χ^2/NDF : 427425444229
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2487814.9/48

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: 1455.823+/-0.000 χ^2/NDF : 82857477992421764973188316416090046464.0/25

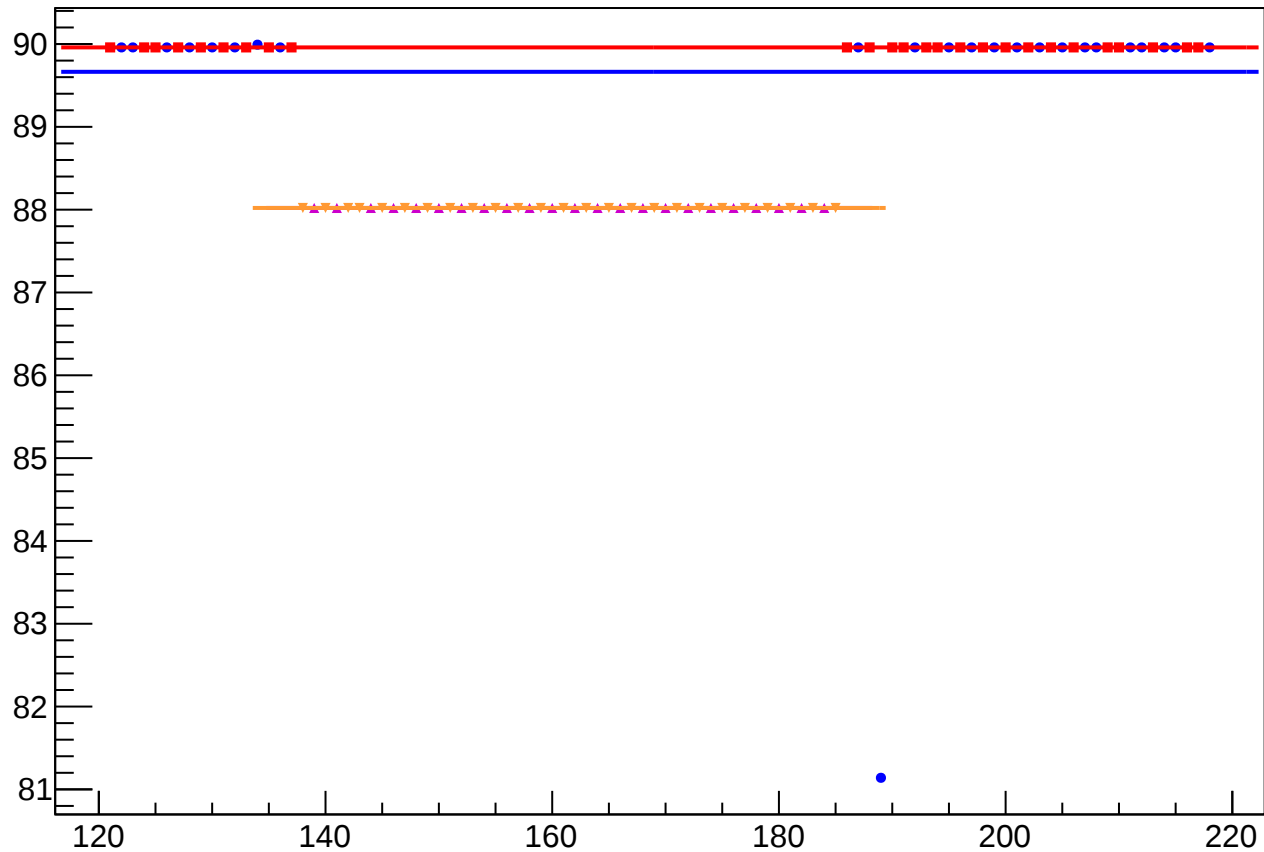
Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1476.883+/-0.000 χ^2/NDF : 15655929464290

All: 1469.772+/-0.000 χ^2/NDF : 84898226247

- sign 1462.440+/-0.000 χ^2/NDF : 82979894506762

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 : 4351583.9/25

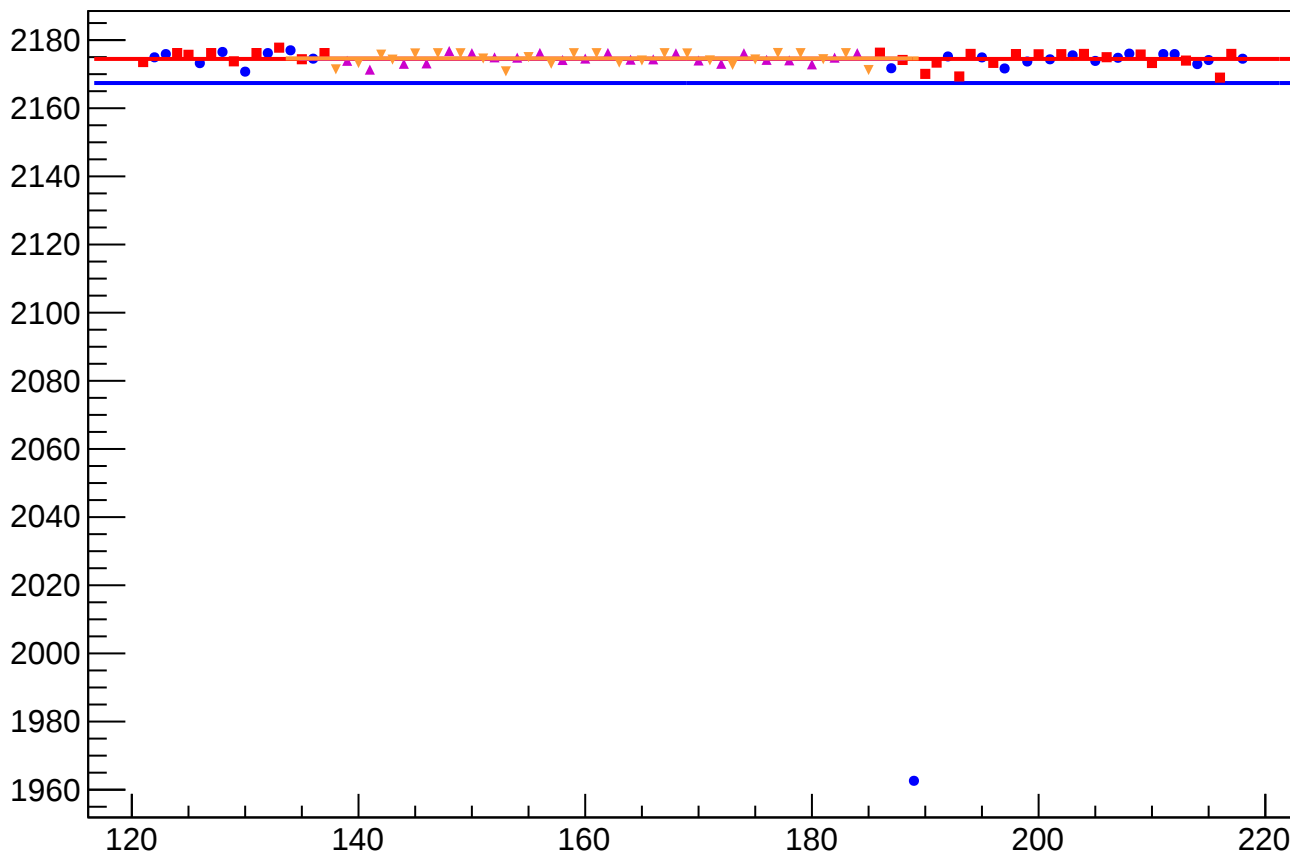
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.750+/-0.000 χ^2/NDF : 6125399085457784

All: 88.827+/-0.000 χ^2/NDF : 9271762393858

- sign 88.905+/-0.000 χ^2/NDF : 3105710869742325

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: 2174.468+/-0.000 χ^2/NDF : 7140607235112282200673629511876608.0/25

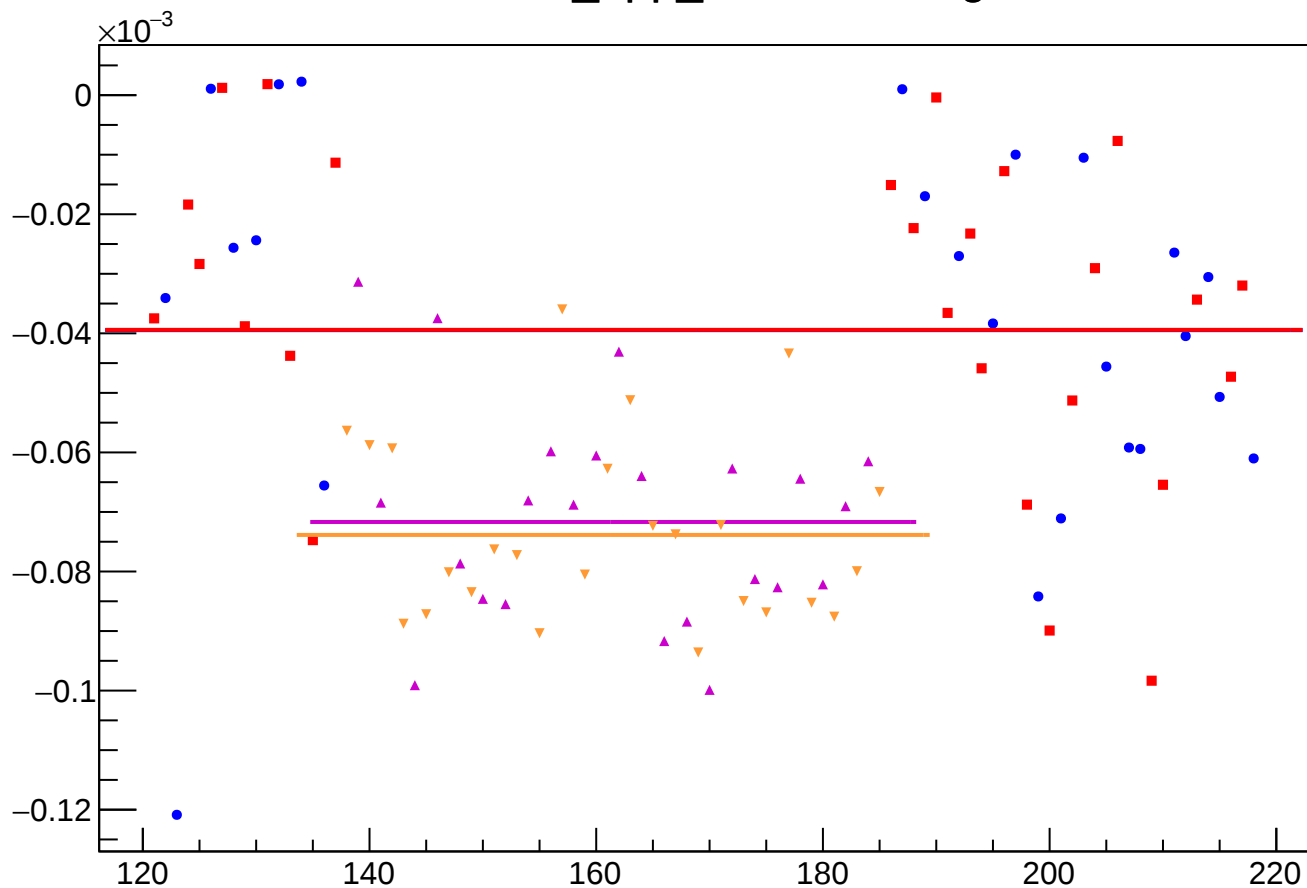
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2171.415+/-0.000 χ^2/NDF : 22650175885345

All: 2172.937+/-0.000 χ^2/NDF : 22917263049

- sign 2174.507+/-0.000 χ^2/NDF : 10545489465415

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 : 1126860582415084917096448.0/25

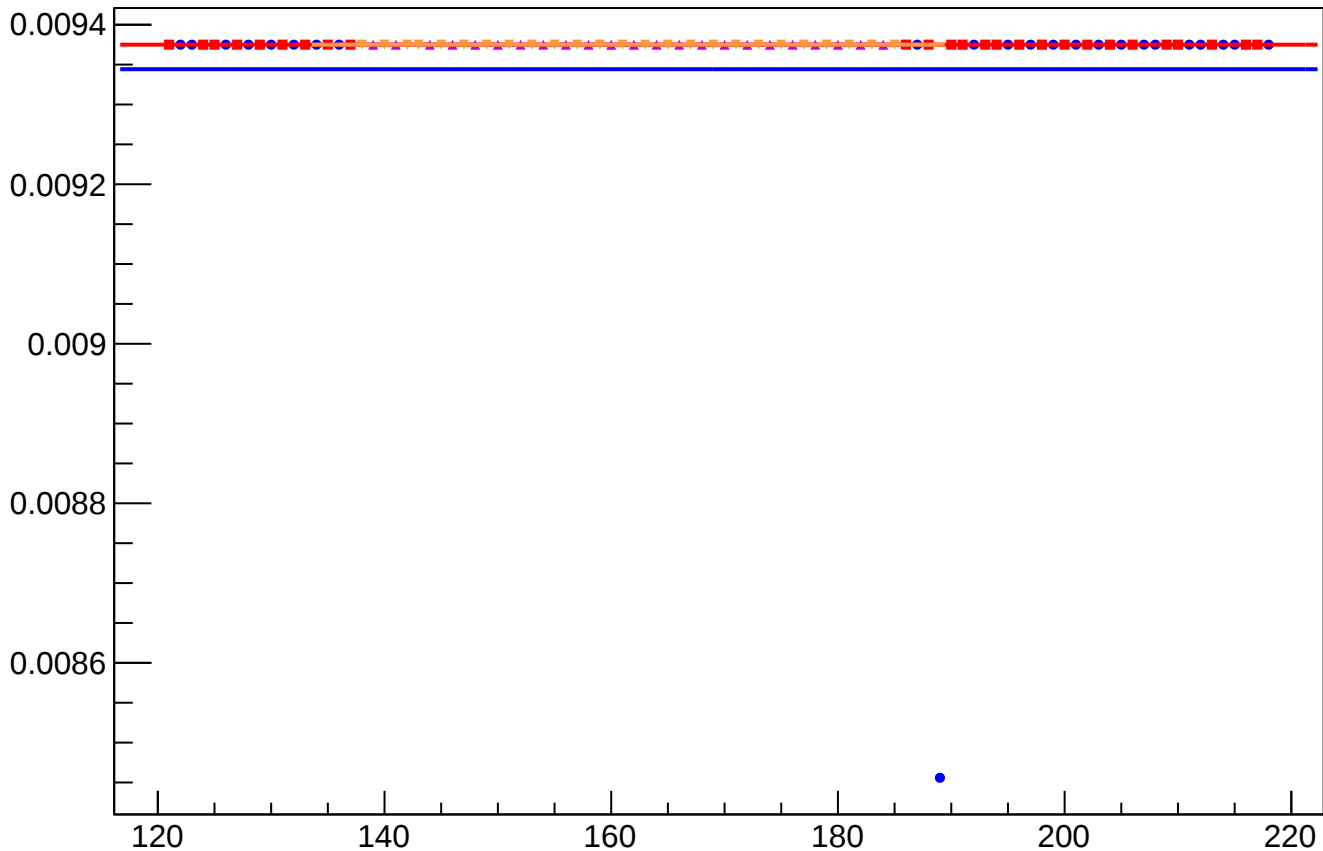
Left In: -0.000 ± 0.000 χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 2322267454449798

All: -0.000 ± 0.000 χ^2/NDF : 4876146895980

- sign -0.000 ± 0.000 χ^2/NDF : 25493523986442763

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 : 0.1/25

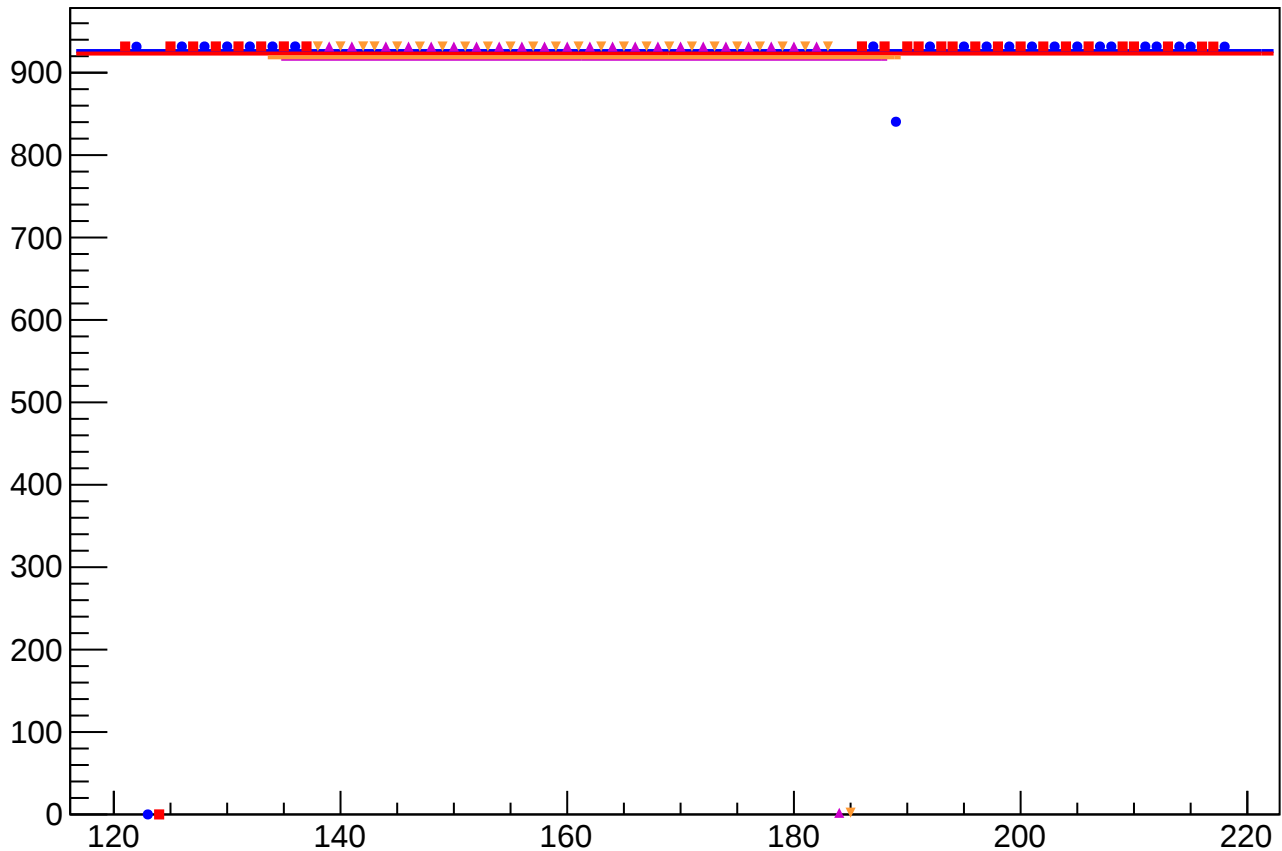
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42443783670645246

All: 0.009+/-0.000 χ^2/NDF : 4275884064823

- sign 0.009+/-0.000 χ^2/NDF : 0.3/48

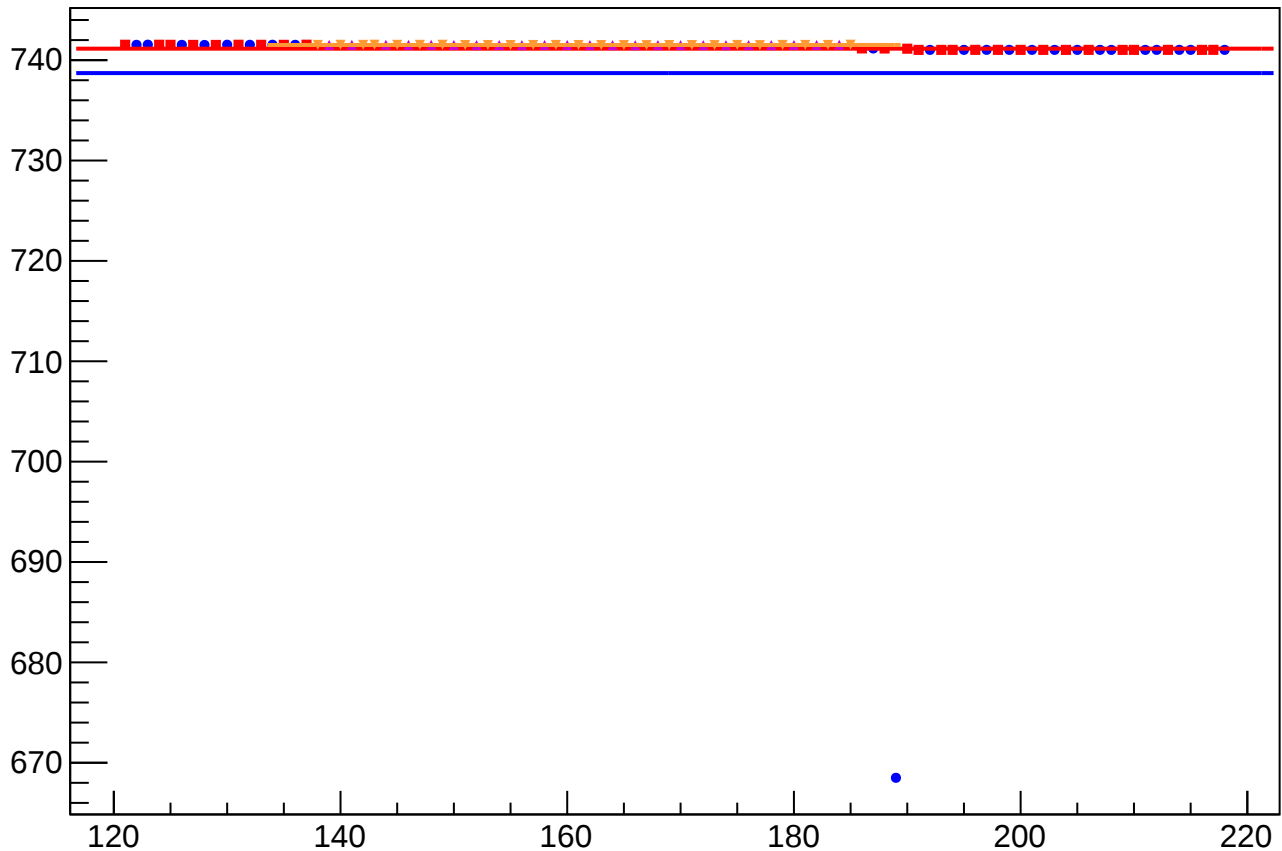
HacL_Q2_HP3458A_IOUT_mean vs Slug



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: 923.197+/-0.000 χ^2/NDF : 12042189843700954692169415321901334528.0/25
Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

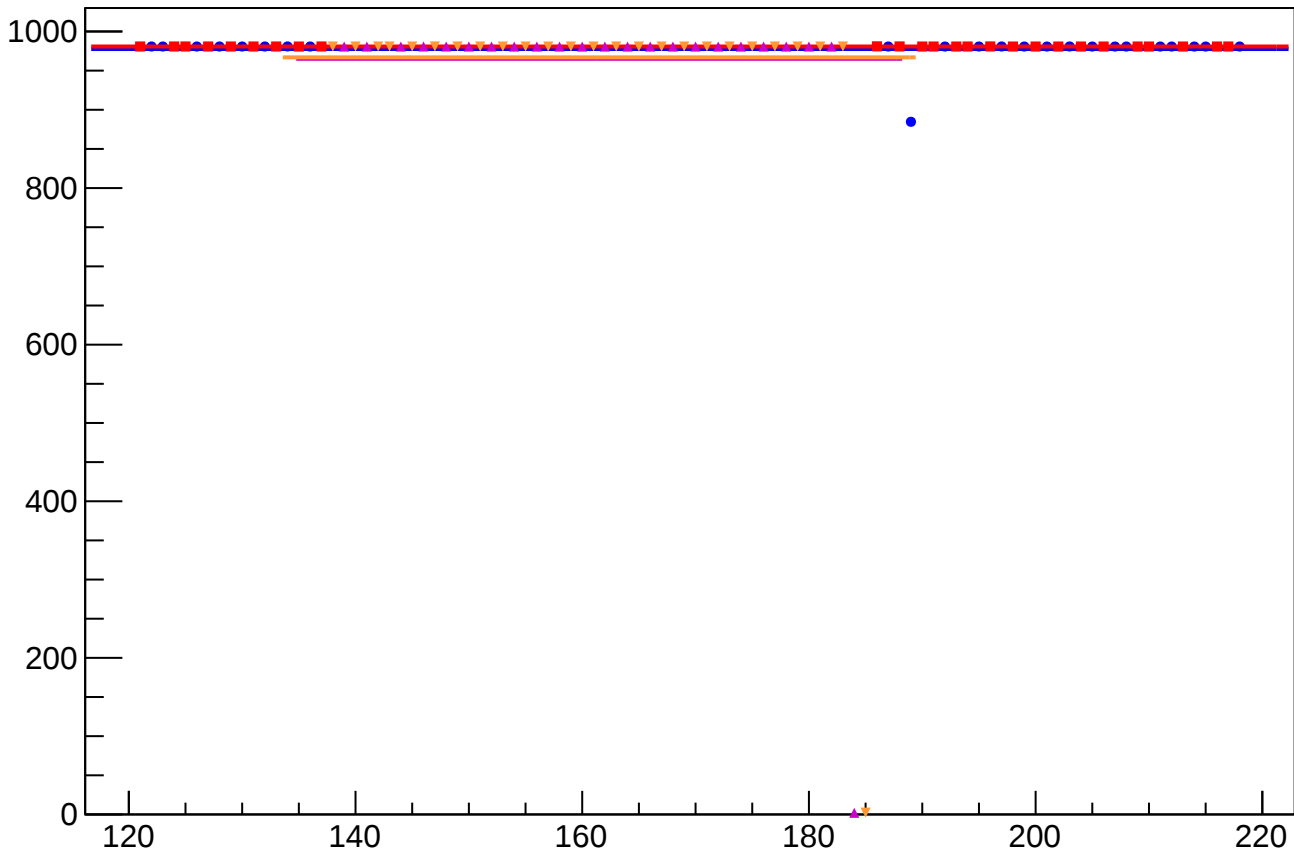
+ sign 922.028+/-0.000 χ^2/NDF : 269040836432527
All: 920.915+/-0.000 χ^2/NDF : 636556759275
- sign 919.768+/-0.000 χ^2/NDF : 367429568924125

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: 741.146 $\pm$ 0.000 χ^2 /NDF: 61316250724185328033262171324416.0/25
 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: 3536932016905664254714354597888.0/25

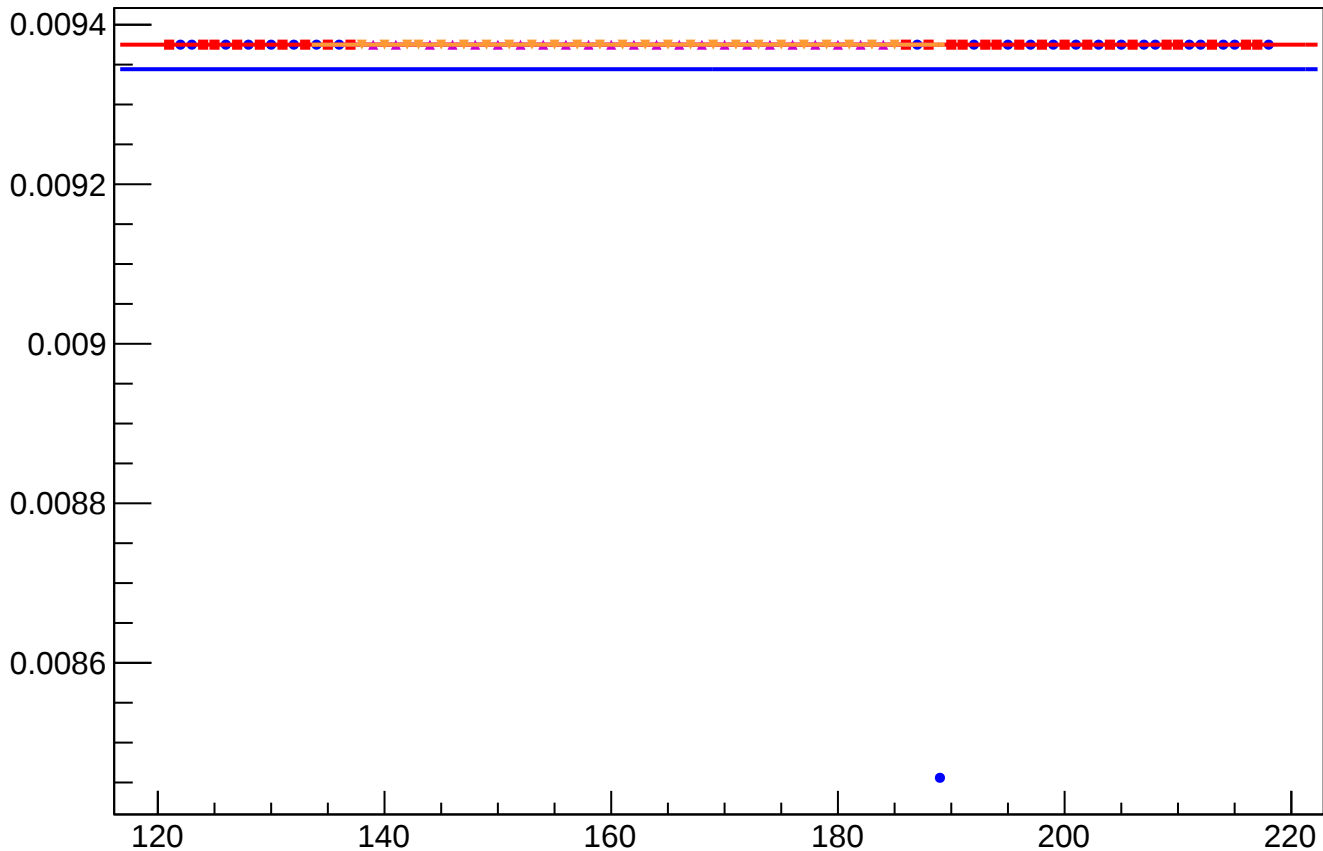
Left In: 965.102 $\pm$ 0.000 χ^2 /NDF: 27330319430012441419356351914146004992.0/22

+ sign 971.664 $\pm$ 0.000 χ^2 /NDF: 260376755443511

All: 971.964 $\pm$ 0.000 χ^2 /NDF: 535726781869

- sign 972.273 $\pm$ 0.000 χ^2 /NDF: 275343768201167

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 : 0.1/25

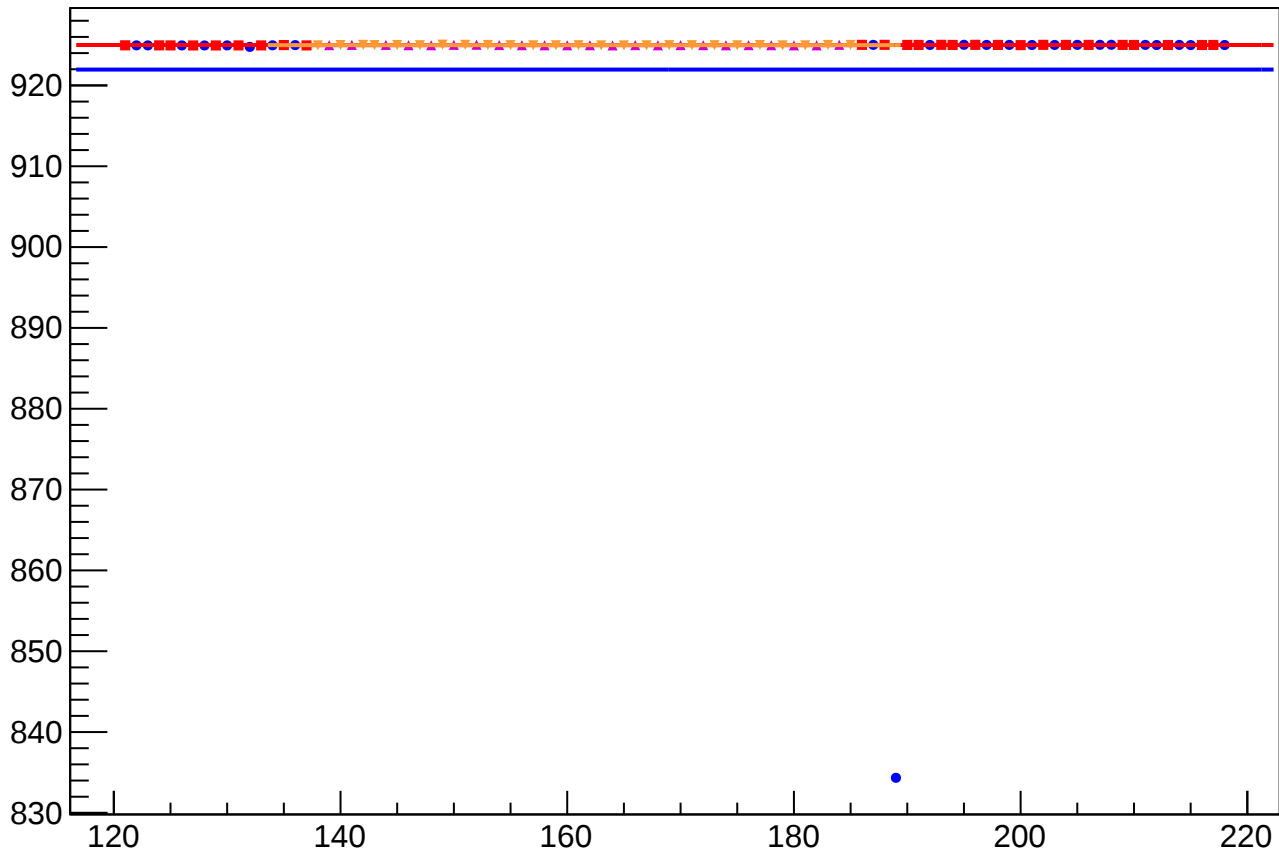
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42443783670645246

All: 0.009+/-0.000 χ^2/NDF : 4275884064823

- sign 0.009+/-0.000 χ^2/NDF : 0.3/48

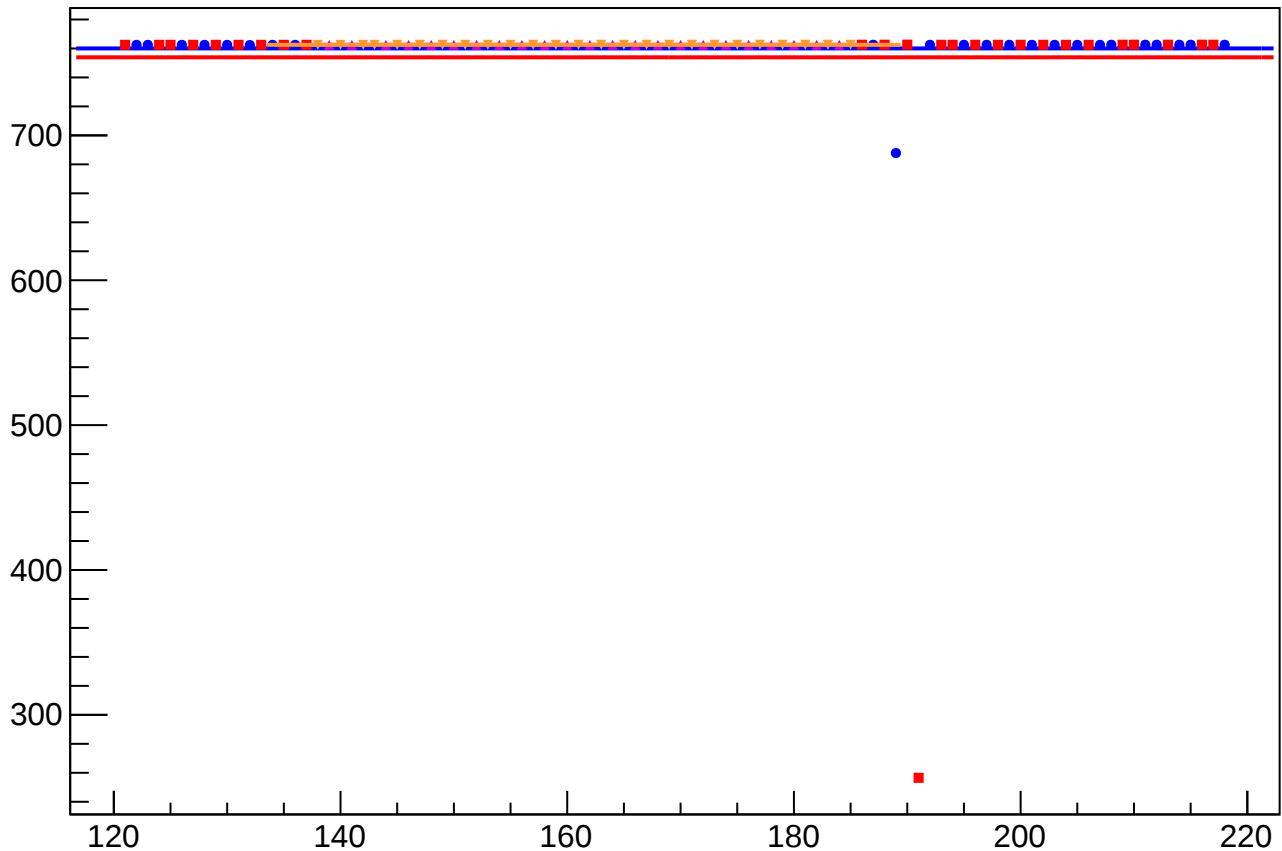
HacR_Q2_HP3458A_IOUT_mean vs Slug



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: 924.999+/-0.000 χ^2/NDF : 892030564653199222428724625408.0/25
Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22

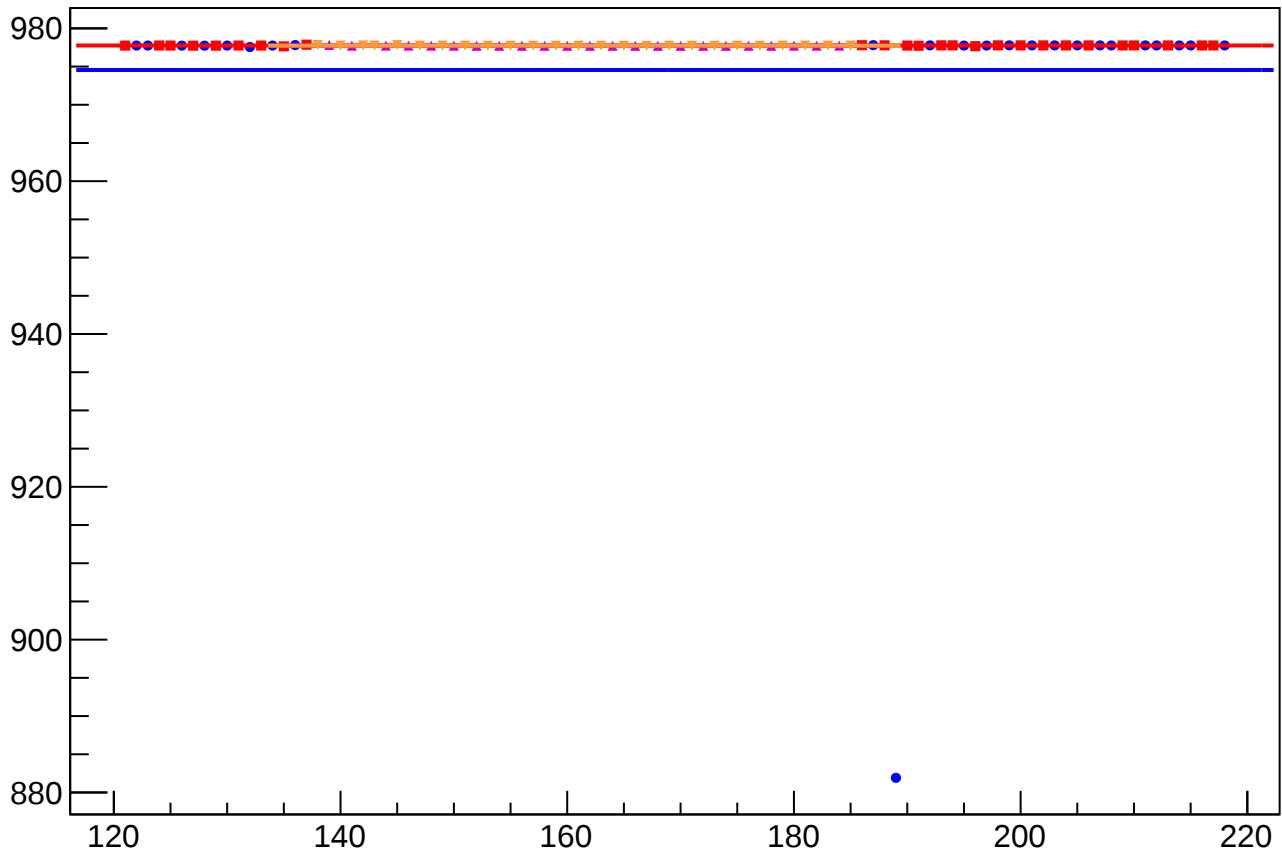
+ sign 923.641+/-0.000 χ^2/NDF : 412840444647160
All: 924.306+/-0.000 χ^2/NDF : 415918347993
- sign 924.990+/-0.000 χ^2/NDF : 199542380323397

HacR_D1_HP3458A_IOUT_mean vs Slug



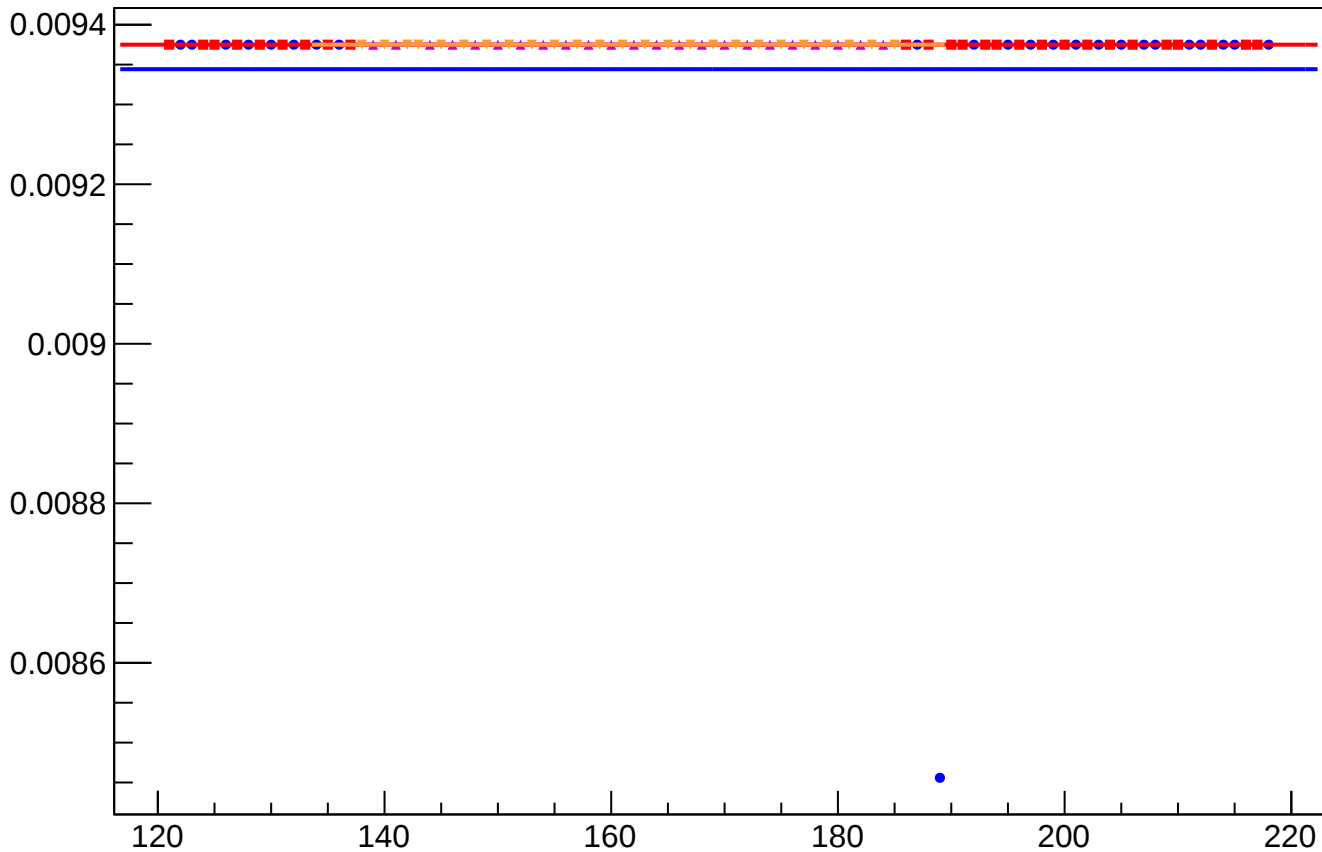
Right In: 760.031+/-0.000 χ^2/NDF : 275213314399571259631382656666566656.0/23
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 753.886+/-0.000 χ^2/NDF : 6542817733298857419721912305758240768.0/25
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 760.019+/-0.000 χ^2/NDF : 689845225052
 + sign 761.415+/-0.000 χ^2/NDF : 280456755934652
 - sign 758.580+/-0.000 χ^2/NDF : 660440652289386

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: 977.757+/-0.000 χ^2/NDF : 1857715681045389290401649655808.0/25
 Left In: 977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22
 + sign 976.324+/-0.000 χ^2/NDF : 461379607668932
 All: 977.024+/-0.000 χ^2/NDF : 46479511016
 - sign 977.745+/-0.000 χ^2/NDF : 324860956823285

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 : 0.1/25

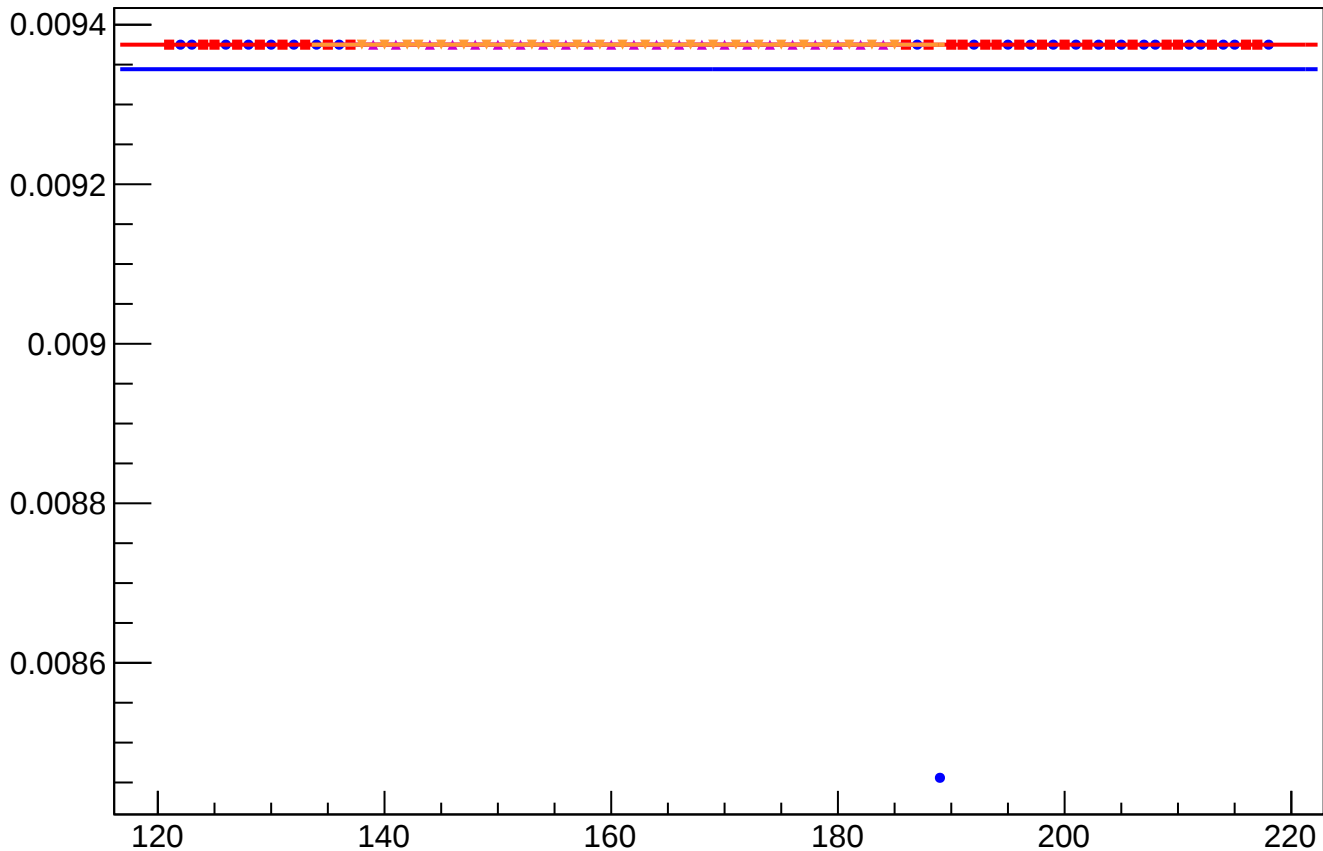
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42443783670645246

All: 0.009+/-0.000 χ^2/NDF : 4275884064823

- sign 0.009+/-0.000 χ^2/NDF : 0.3/48

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 : 0.1/25

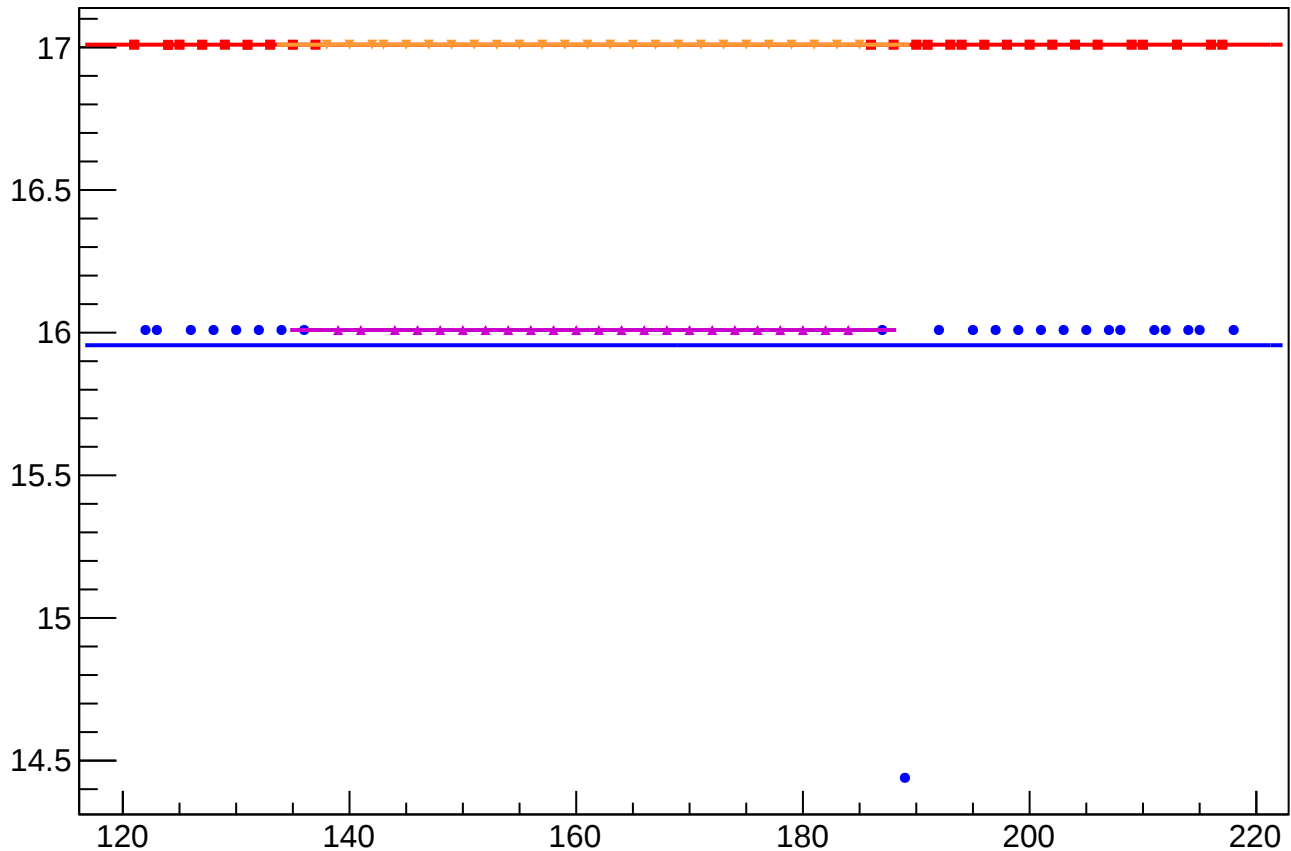
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42443783670645246

All: 0.009+/-0.000 χ^2/NDF : 4275884064823

- sign 0.009+/-0.000 χ^2/NDF : 0.3/48

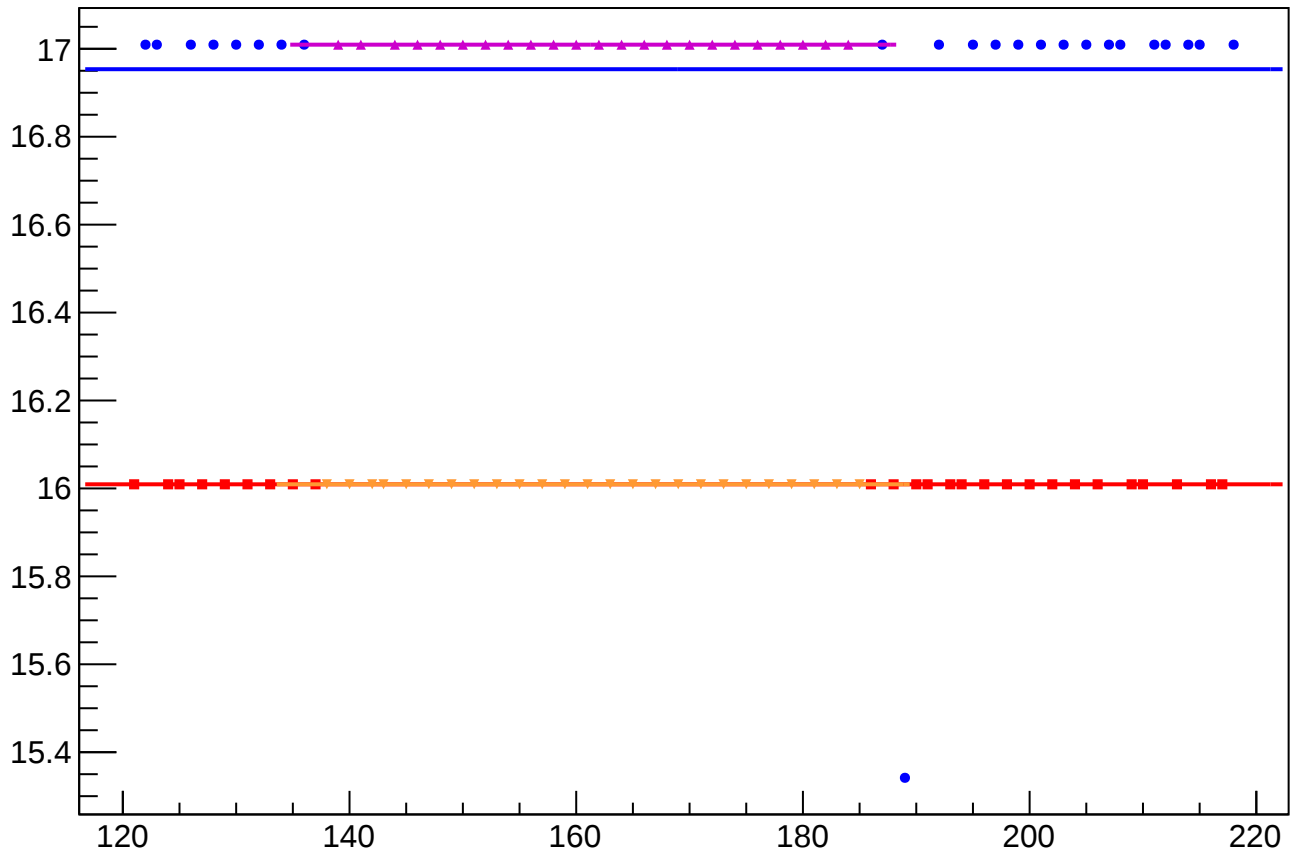
IGL1I00DI24_24M_mean vs Slug



Right In: 15.956 +/- 0.000 χ^2/NDF : 121358758616927150227191851122688.0/23
 Left Out: 17.009 +/- 0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: 17.009 +/- 0.000 χ^2/NDF : 18080566825018732520144896.0/25
 Left In: 16.009 +/- 0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.527 +/- 0.000 χ^2/NDF : 1022714781740279
 All: 16.505 +/- 0.000 χ^2/NDF : 1820246063669
 - sign 16.481 +/- 0.000 χ^2/NDF : 7941273399773563

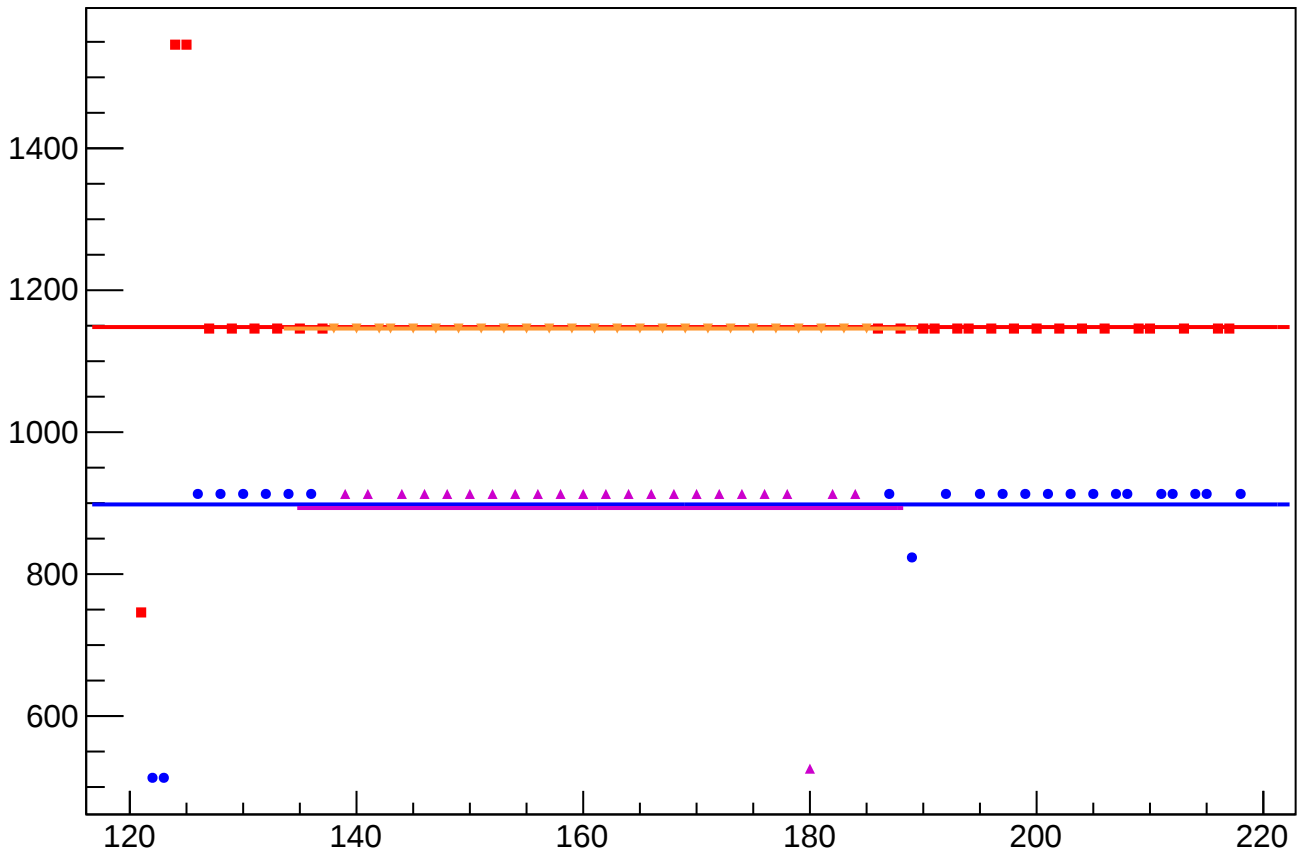
IGL1I00OD16_16_mean vs Slug



Right In: 16.954 $\pm$ 0.000 χ^2 /NDF: 137075695921218250795102840553472.0/23
 Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 89740.8/24
 Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 267594.2/25
 Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 115033472633445654986752.0/22

+ sign 16.431 $\pm$ 0.000 χ^2 /NDF: 8885065676379011
 All: 16.488 $\pm$ 0.000 χ^2 /NDF: 1727705507179
 - sign 16.547 $\pm$ 0.000 χ^2 /NDF: 8168930311583240

RTPAPOSUCNT_mean vs Slug



Right In: 898.187+/-0.000 χ^2/NDF : 7274552111485240646110453975784357888.0/23

+ sign 1036.028+/-0.000 χ^2/NDF : 59334582016707

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

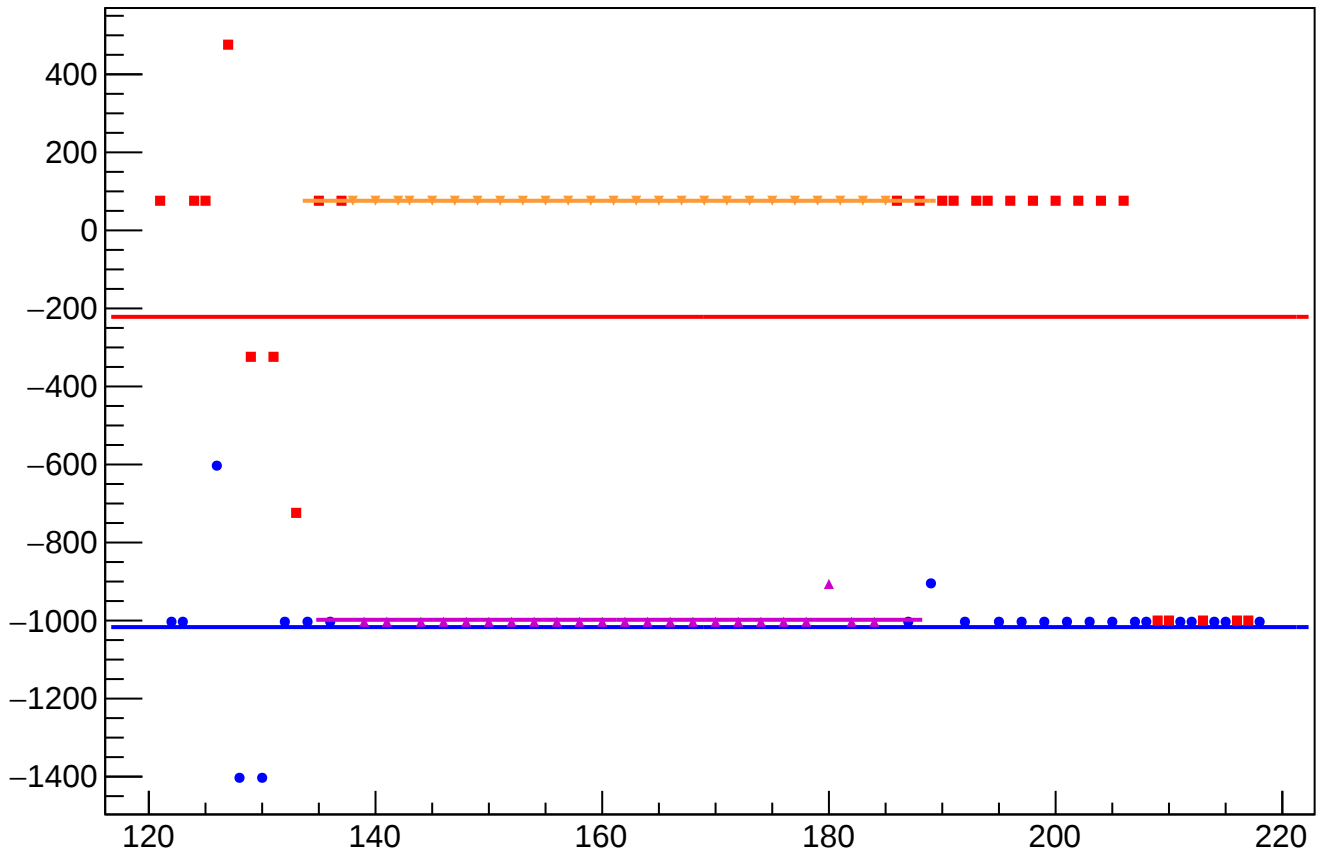
All: 1022.954+/-0.000 χ^2/NDF : 14123599624

Right Out: 1148.115+/-0.000 χ^2/NDF : 13753930292382604171741895335830618112.0/25

- sign 1009.477+/-0.000 χ^2/NDF : 80709498232018

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



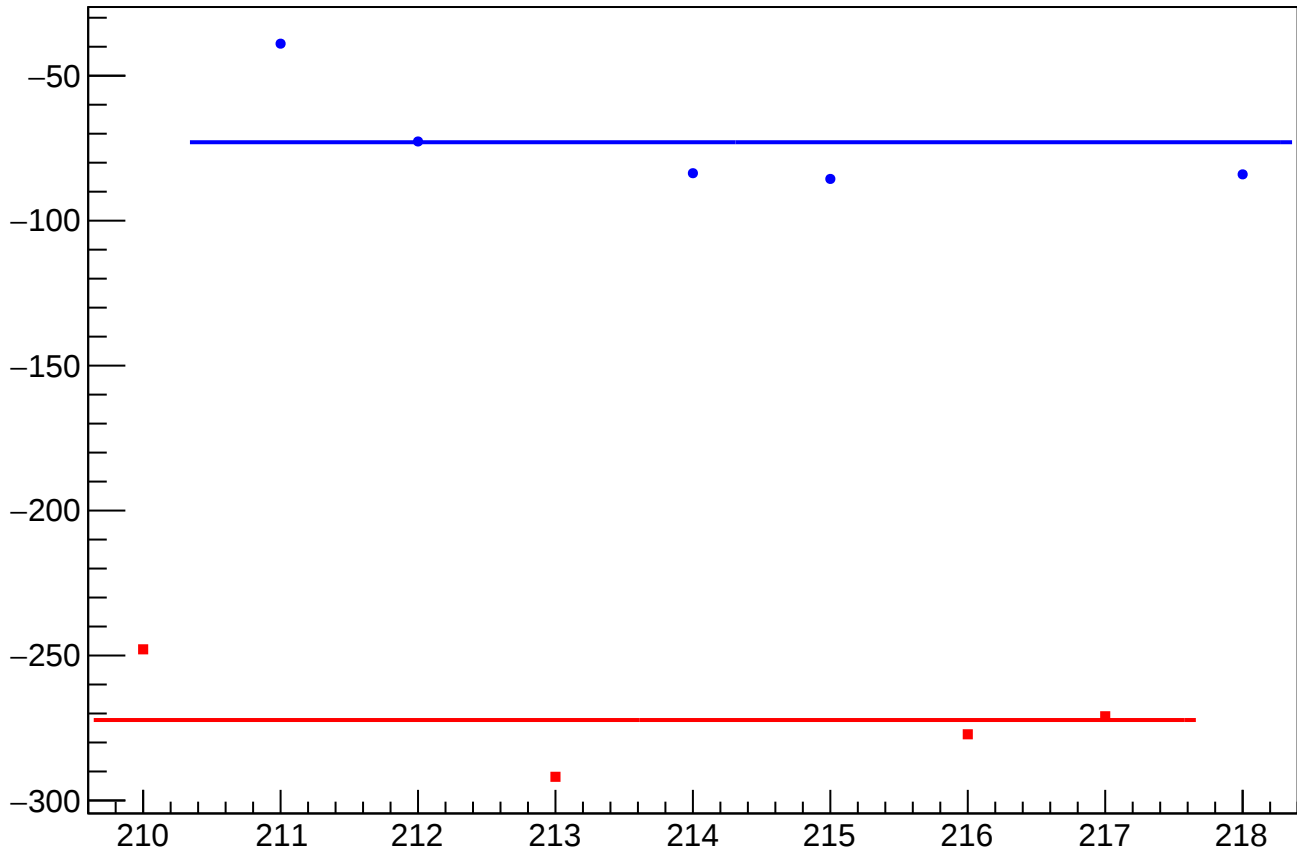
Right In: -1016.758 ± 0.000 χ^2/NDF : 23403855953255130577088451999122325504.0/23

Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24

Right Out: -221.555 ± 0.000 χ^2/NDF : 346615768237306618736314442733764739072.0/25

Left In: -998.020 ± 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 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

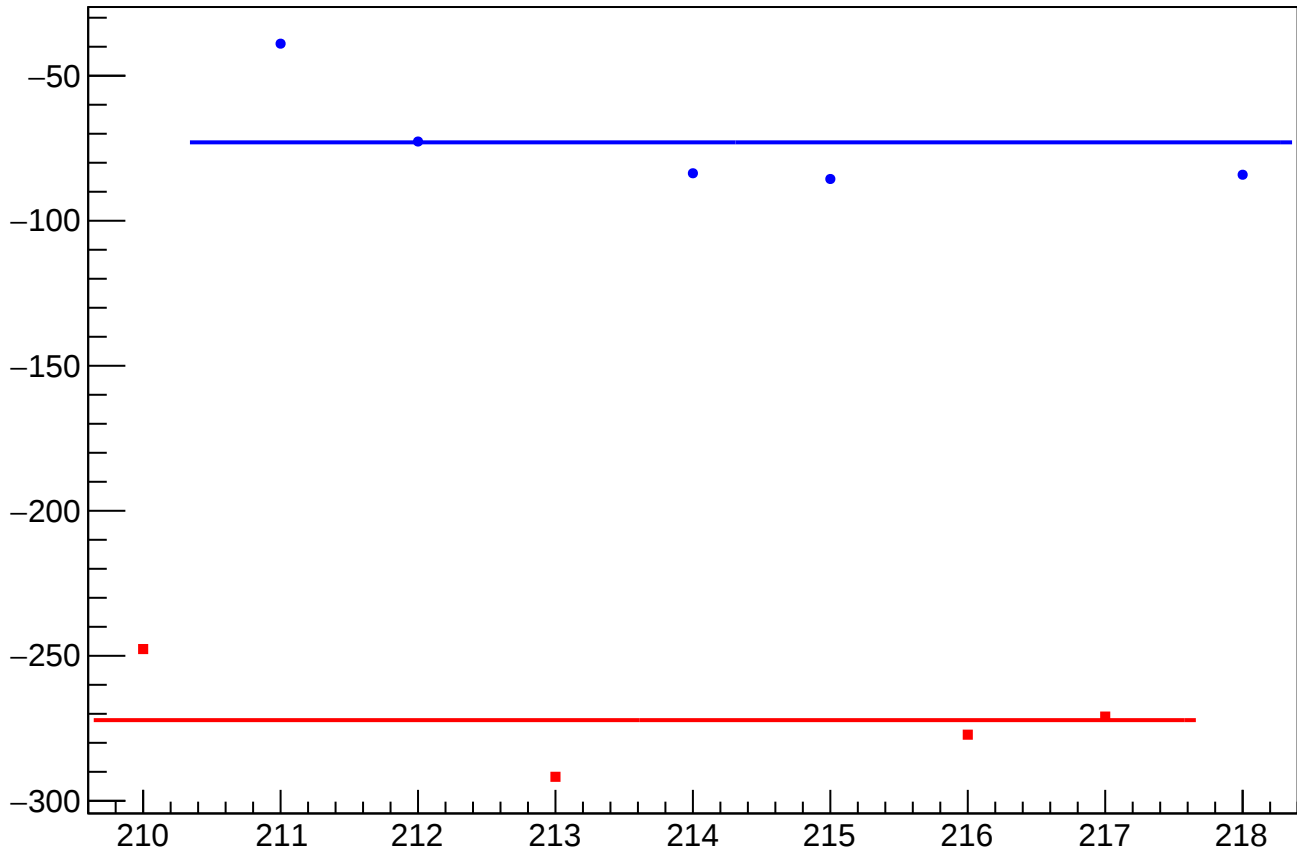
All: -160.616 ± 0.000 χ^2/NDF : 68686328734

Right Out: -272.251 ± 0.000 χ^2/NDF : 74523041866937066731756197506973696.0/3

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 0.000 $\pm$ 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: -160.598+/-0.000 χ^2/NDF : 68627195167

Right Out: -272.179+/-0.000 χ^2/NDF : 74848359580894041545317741003538432.0/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0