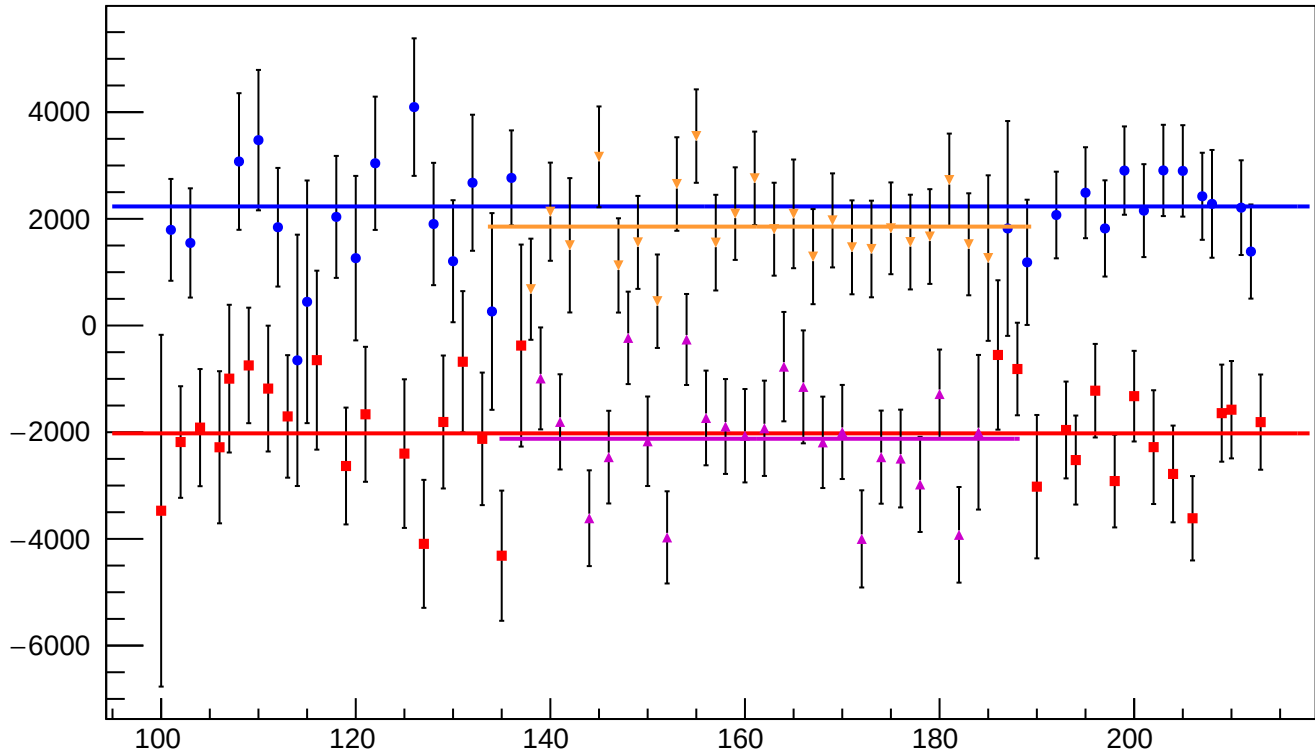


reg_asym_us_avg_mean vs Slug



Right In: 2232.280 $\pm$ 195.477

χ^2 /NDF: 13.7/28

Left Out: 1854.267 $\pm$ 187.405

χ^2 /NDF: 15.1/23

Right Out: -2021.592 $\pm$ 190.957

χ^2 /NDF: 24.0/31

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 32.0/22

+ sign 2035.308 $\pm$ 135.279

χ^2 /NDF: 30.8/52

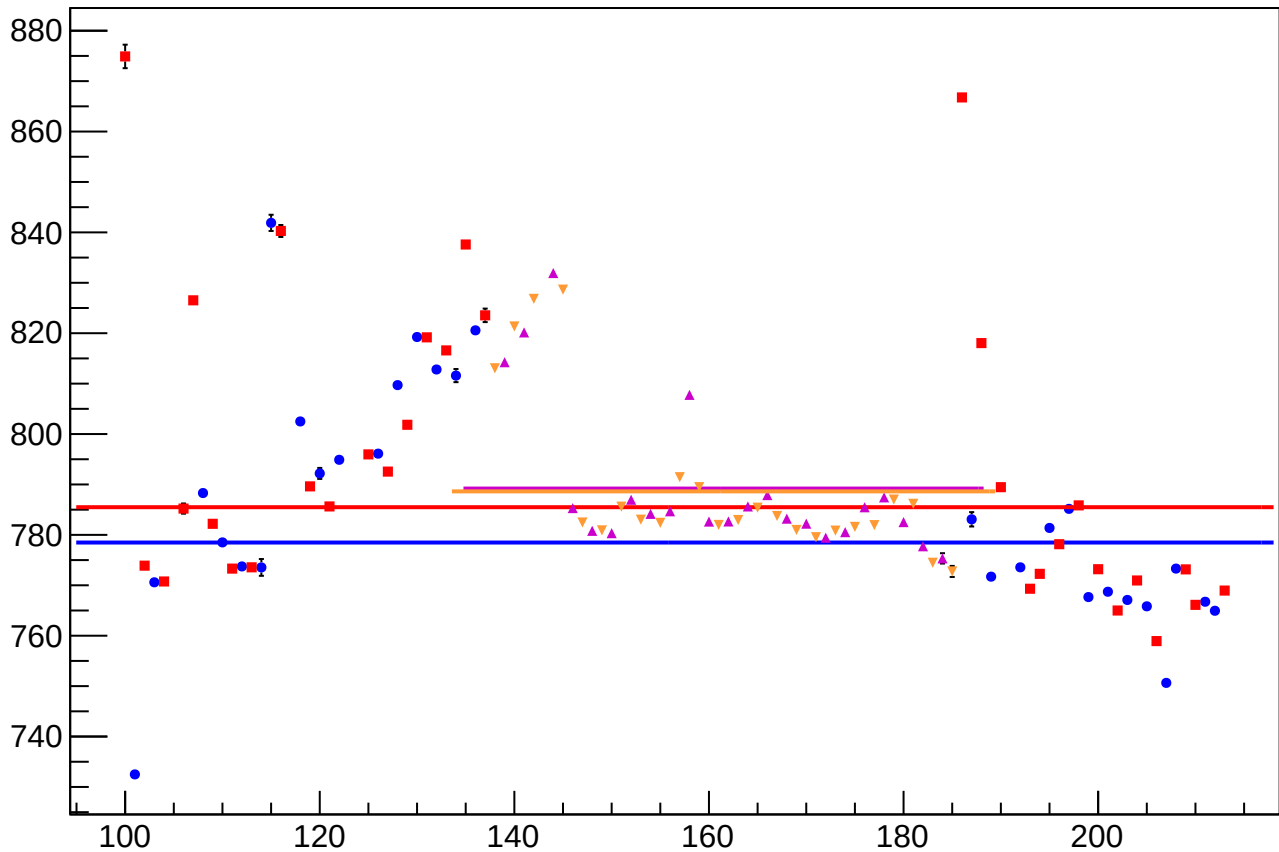
All: -35.037 $\pm$ 95.279

χ^2 /NDF: 551.7/107

- sign -2072.973 $\pm$ 134.216

χ^2 /NDF: 56.2/54

reg_asym_us_avg_rms vs Slug



Right In: 778.481 ± 0.138 $\chi^2/\text{NDF}: 23682.6/28$

Left Out: 788.629 ± 0.133 $\chi^2/\text{NDF}: 11478.1/23$

Right Out: 785.490 ± 0.135 $\chi^2/\text{NDF}: 30702.1/31$

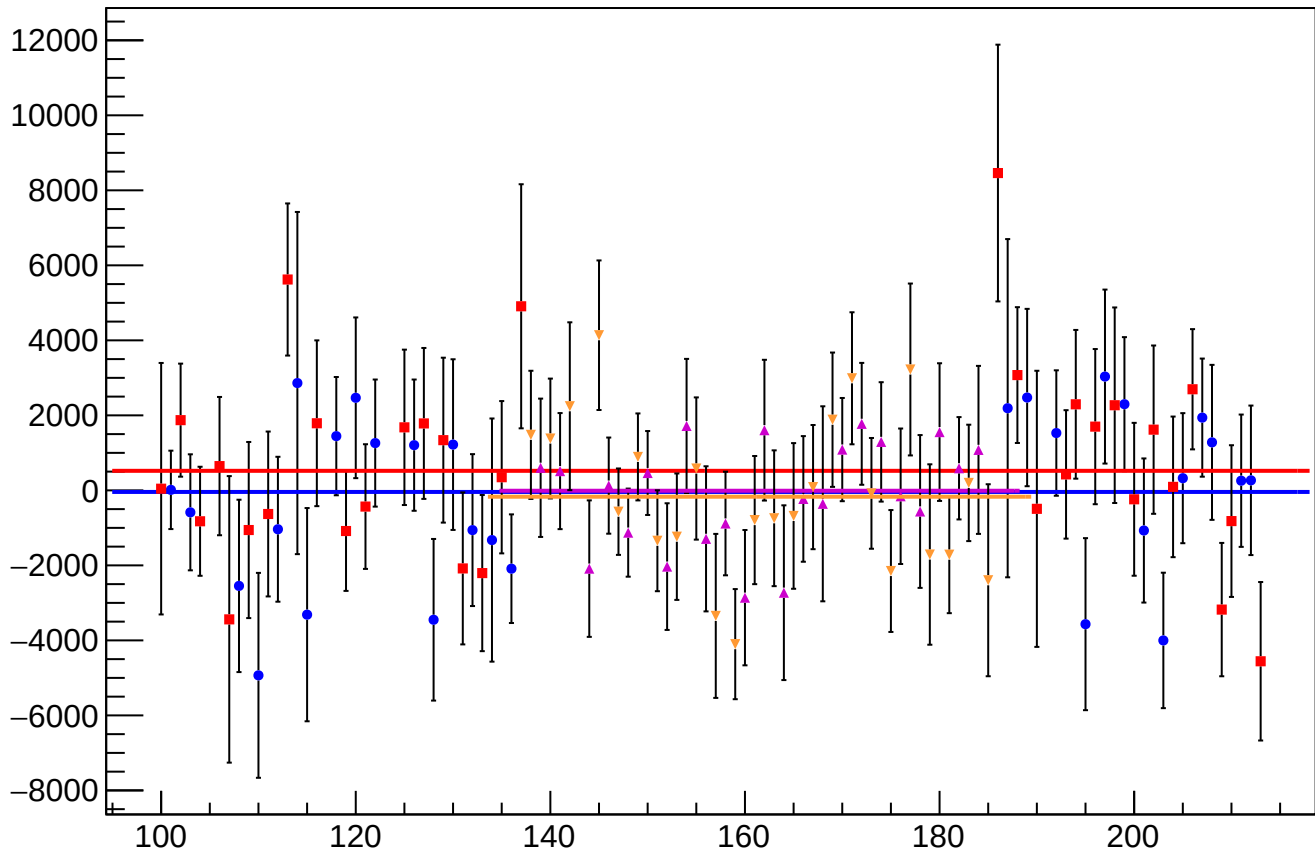
Left In: 789.185 ± 0.133 $\chi^2/\text{NDF}: 11343.2/22$

+ sign 783.769 ± 0.096 $\chi^2/\text{NDF}: 37969.5/52$

All: 785.578 ± 0.067 $\chi^2/\text{NDF}: 81103.7/107$

- sign 787.359 ± 0.095 $\chi^2/\text{NDF}: 42424.3/54$

asym_us_avg_correction_mean vs Slug



Right In: -41.945 ± 353.306 χ^2/NDF : 30.4/28

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

Right Out: 521.102 ± 358.233 χ^2/NDF : 39.4/31

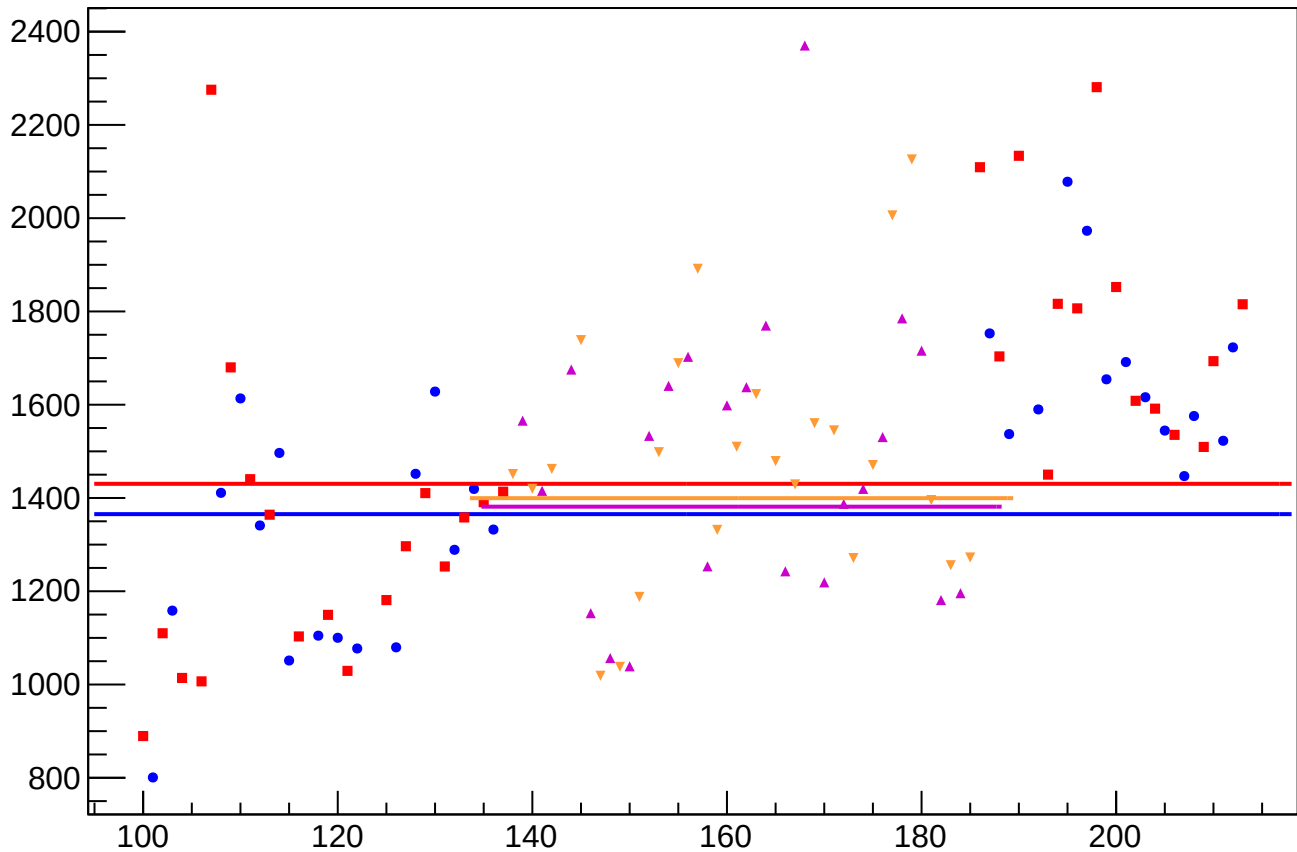
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -107.927 ± 245.132 χ^2/NDF : 60.4/52

All: 65.550 ± 173.560 χ^2/NDF : 116.2/107

- sign 239.932 ± 245.771 χ^2/NDF : 54.7/54

asym_us_avg_correction_rms vs Slug



Right In: 1365.358 $\pm$ 0.250 χ^2 /NDF: 1561889.0/28

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

Right Out: 1430.389 $\pm$ 0.253 χ^2 /NDF: 1591718.0/31

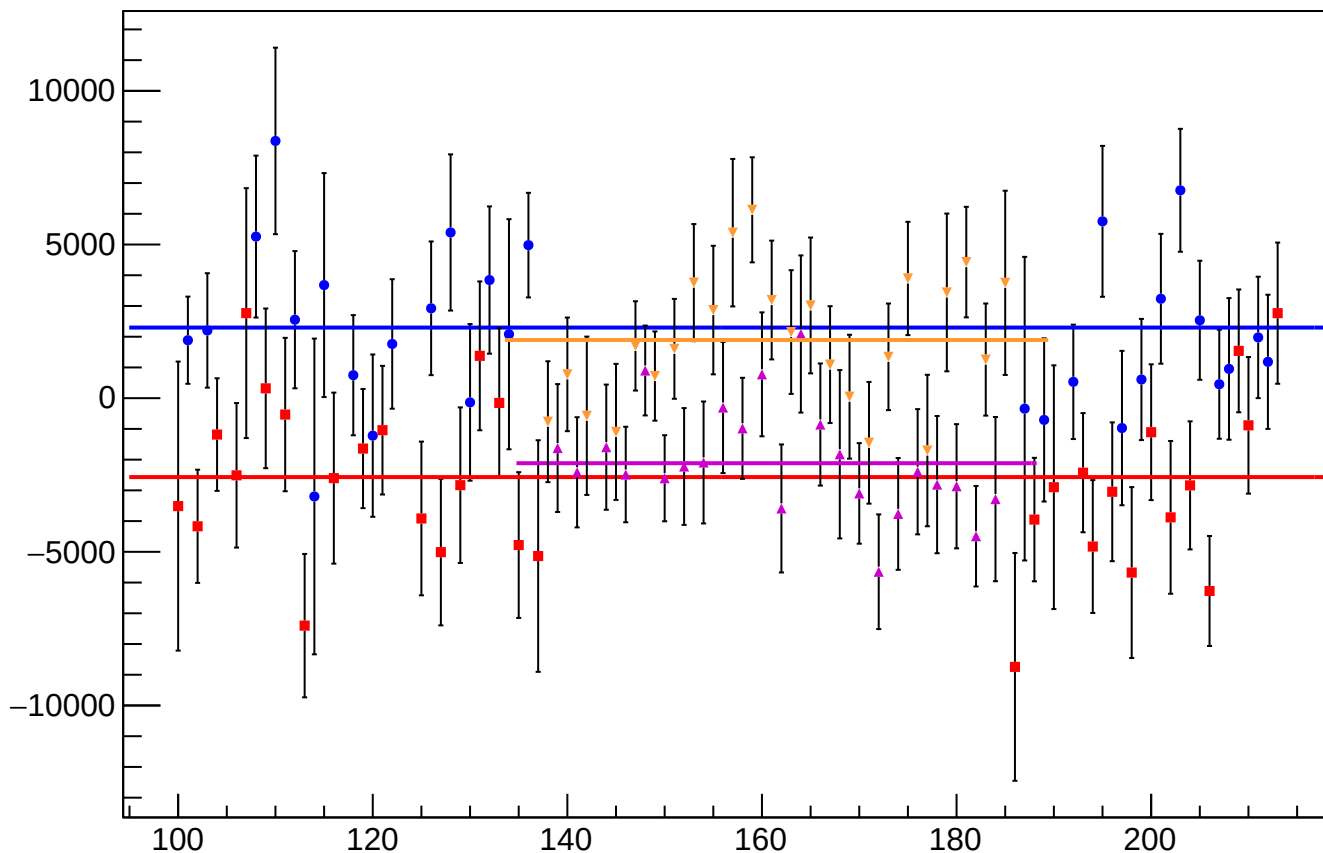
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

+ sign 1383.109 $\pm$ 0.173 χ^2 /NDF: 2690749.6/52

All: 1393.745 $\pm$ 0.123 χ^2 /NDF: 5586336.5/10

- sign 1404.436 $\pm$ 0.174 χ^2 /NDF: 2888037.1/54

asym_us_avg_mean vs Slug



Right In: 2297.574 ± 413.141 $\chi^2/\text{NDF}: 28.3/28$

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

Right Out: -2567.655 ± 414.677 $\chi^2/\text{NDF}: 37.2/31$

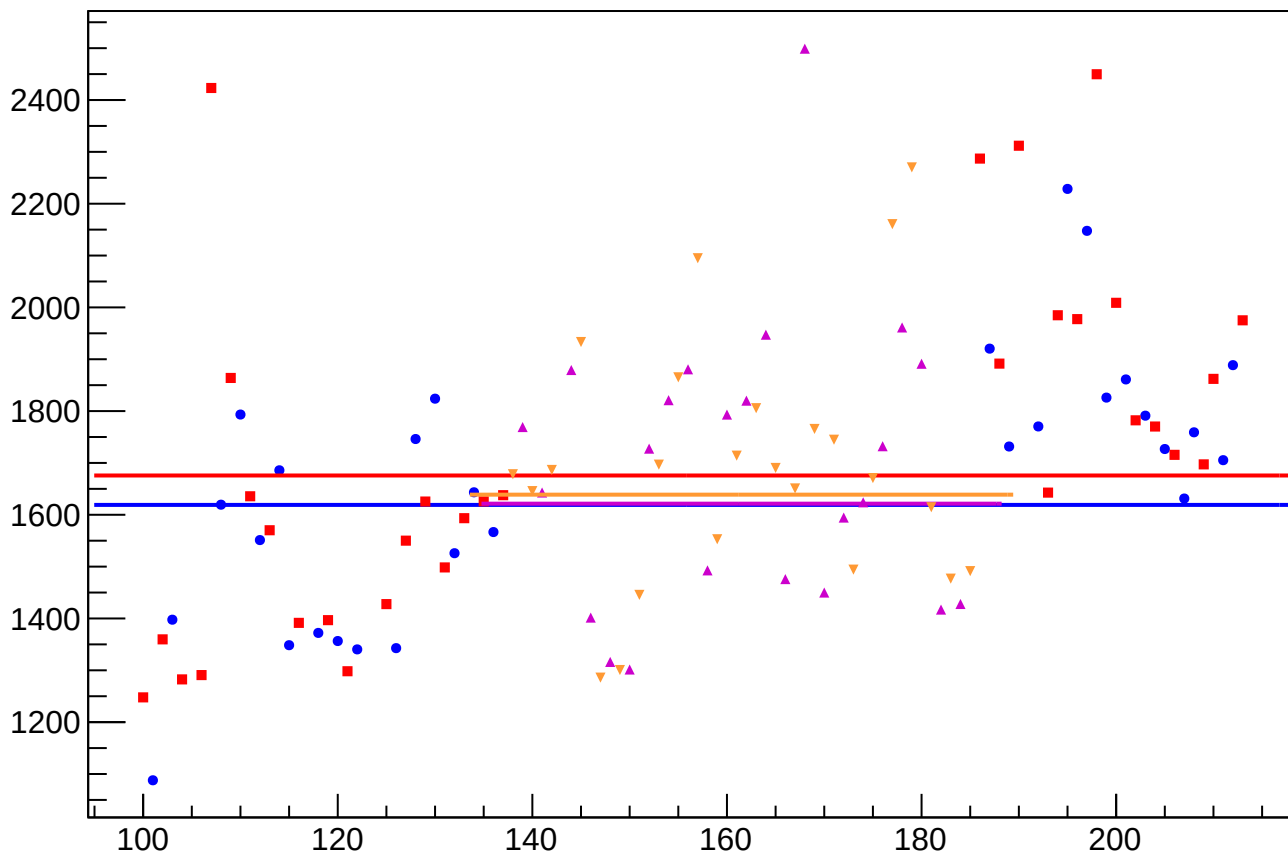
Left In: -2116.114 ± 392.997 $\chi^2/\text{NDF}: 18.8/22$

+ sign 2086.392 ± 285.459 $\chi^2/\text{NDF}: 54.7/52$

All: -123.325 ± 201.775 $\chi^2/\text{NDF}: 231.1/107$

- sign -2329.772 ± 285.247 $\chi^2/\text{NDF}: 56.6/54$

asym_us_avg_rms vs Slug



Right In: 1619.038 $\pm$ 0.292 χ^2 /NDF: 817620.1/28

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

Right Out: 1675.777 $\pm$ 0.293 χ^2 /NDF: 934882.1/31

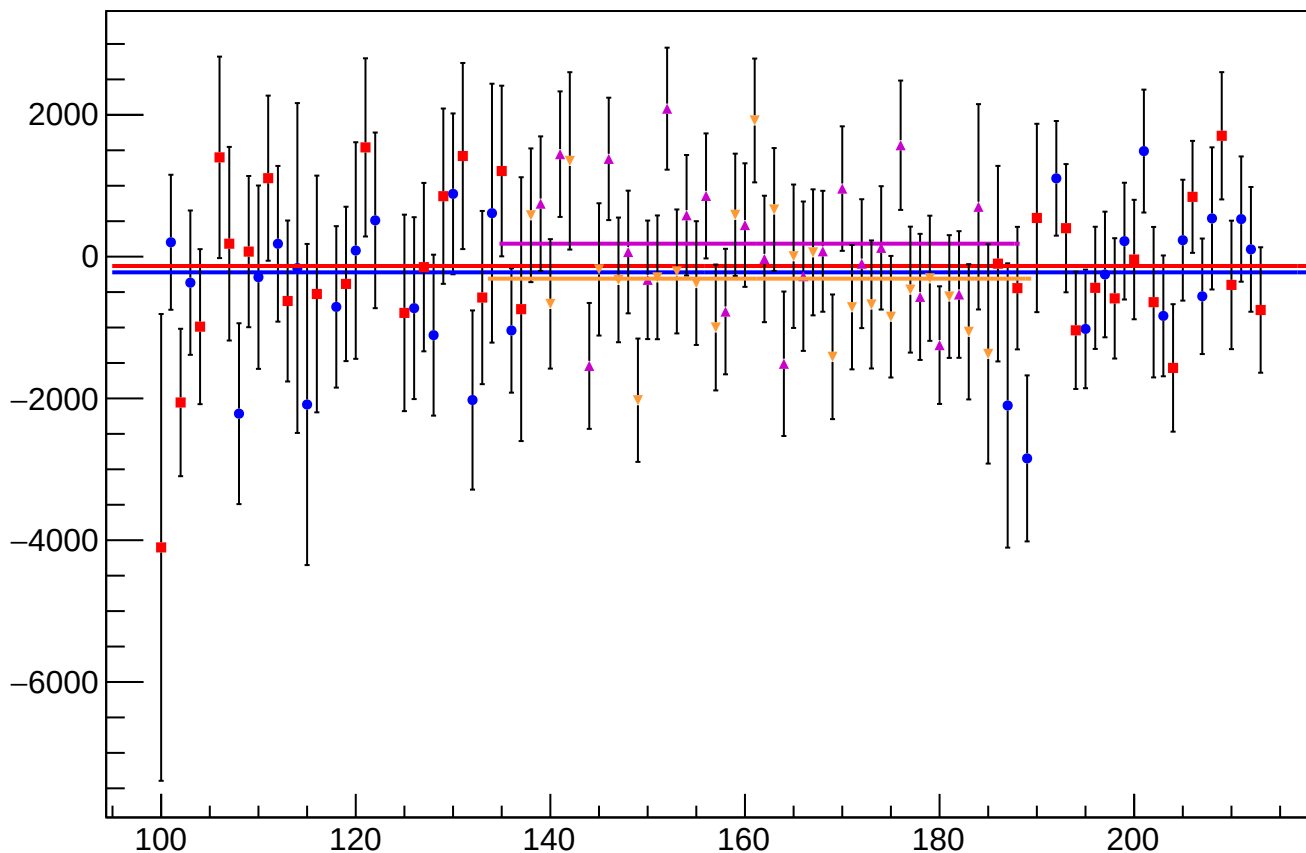
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1629.369 $\pm$ 0.202 χ^2 /NDF: 1491919.6/52

All: 1638.260 $\pm$ 0.143 χ^2 /NDF: 3224096.0/10

- sign 1647.139 $\pm$ 0.202 χ^2 /NDF: 1728298.5/54

reg_asym_us_dd_mean vs Slug



Right In: -221.413 ± 194.009 χ^2/NDF : 25.0/28

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

Right Out: -131.962 ± 189.154 χ^2/NDF : 25.1/31

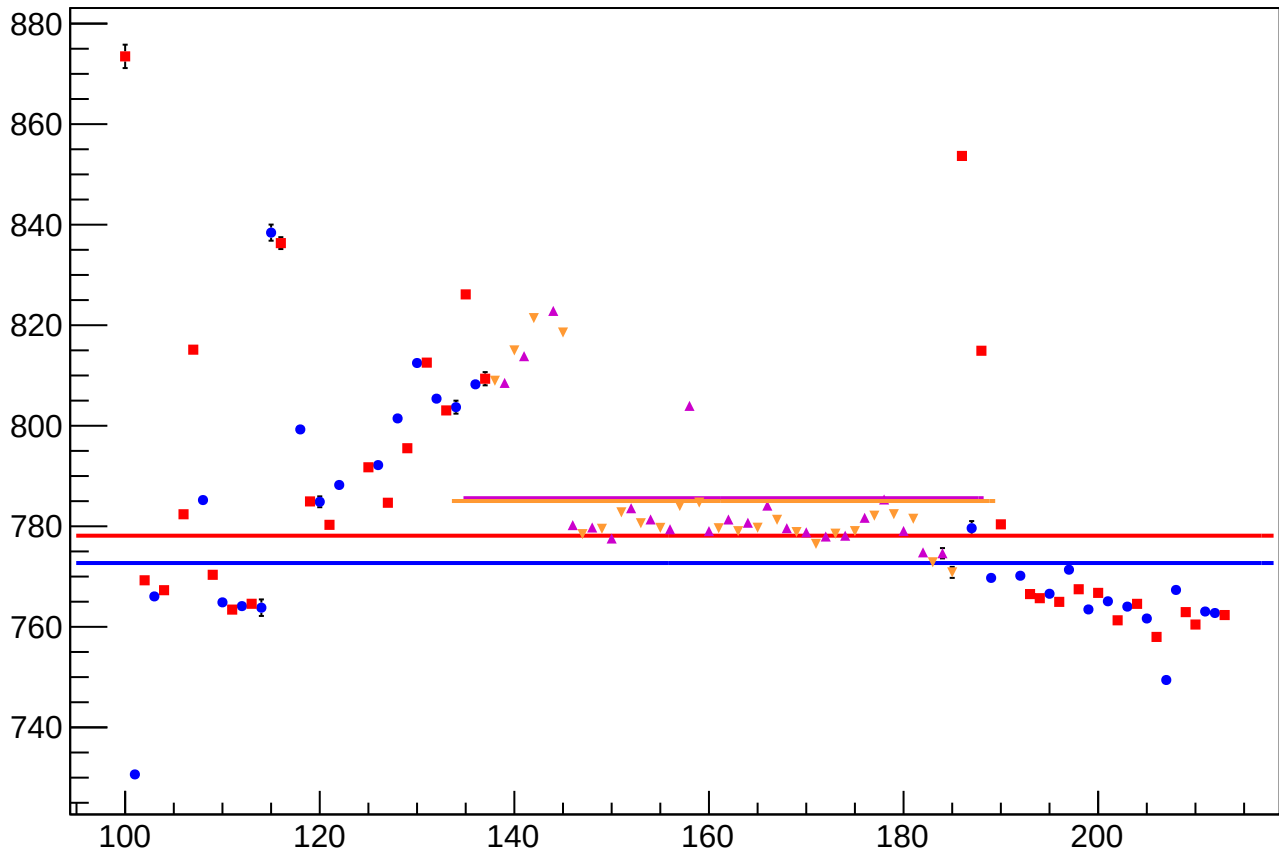
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -267.737 ± 134.466 χ^2/NDF : 45.1/52

All: -119.270 ± 94.659 χ^2/NDF : 100.2/107

- sign 26.583 ± 133.277 χ^2/NDF : 52.7/54

reg_asym_us_dd_rms vs Slug



Right In: 772.693 $\pm$ 0.137 χ^2 /NDF: 20318.1/28

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

Right Out: 778.132 $\pm$ 0.134 χ^2 /NDF: 29120.8/31

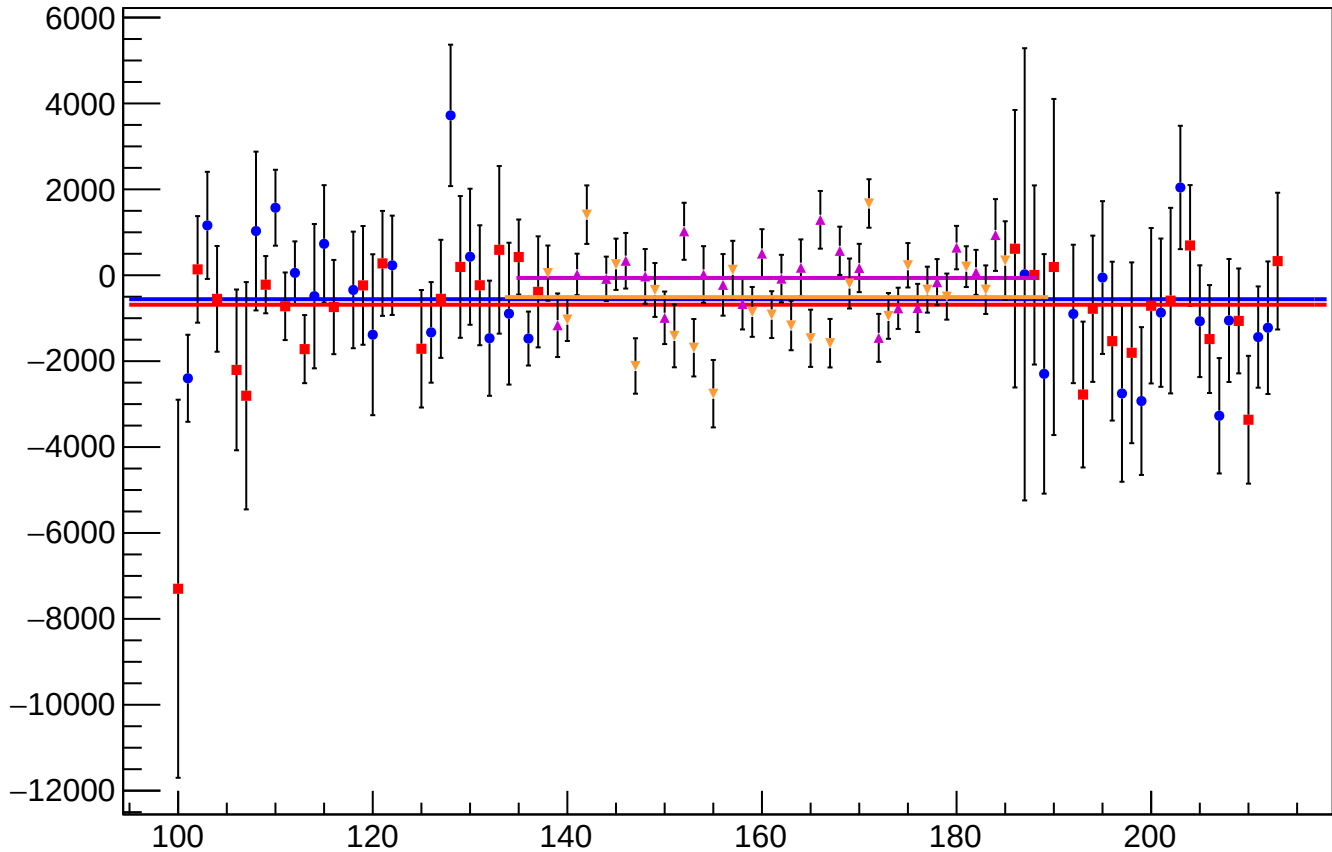
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF:9373.7/22

+ sign 779.104 $\pm$ 0.095 χ^2 /NDF: 33888.7/52

All: 780.509 $\pm$ 0.067 χ^2 /NDF: 74382.2/107

- sign 781.888 $\pm$ 0.094 χ^2 /NDF: 40061.0/54

asym_us_dd_correction_mean vs Slug



Right In: -558.245 $\pm$ 239.037 χ^2 /NDF: 36.2/28

Left Out: -509.311 $\pm$ 121.190 χ^2 /NDF: 60.5/23

Right Out: -685.824 $\pm$ 234.641 χ^2 /NDF: 17.4/31

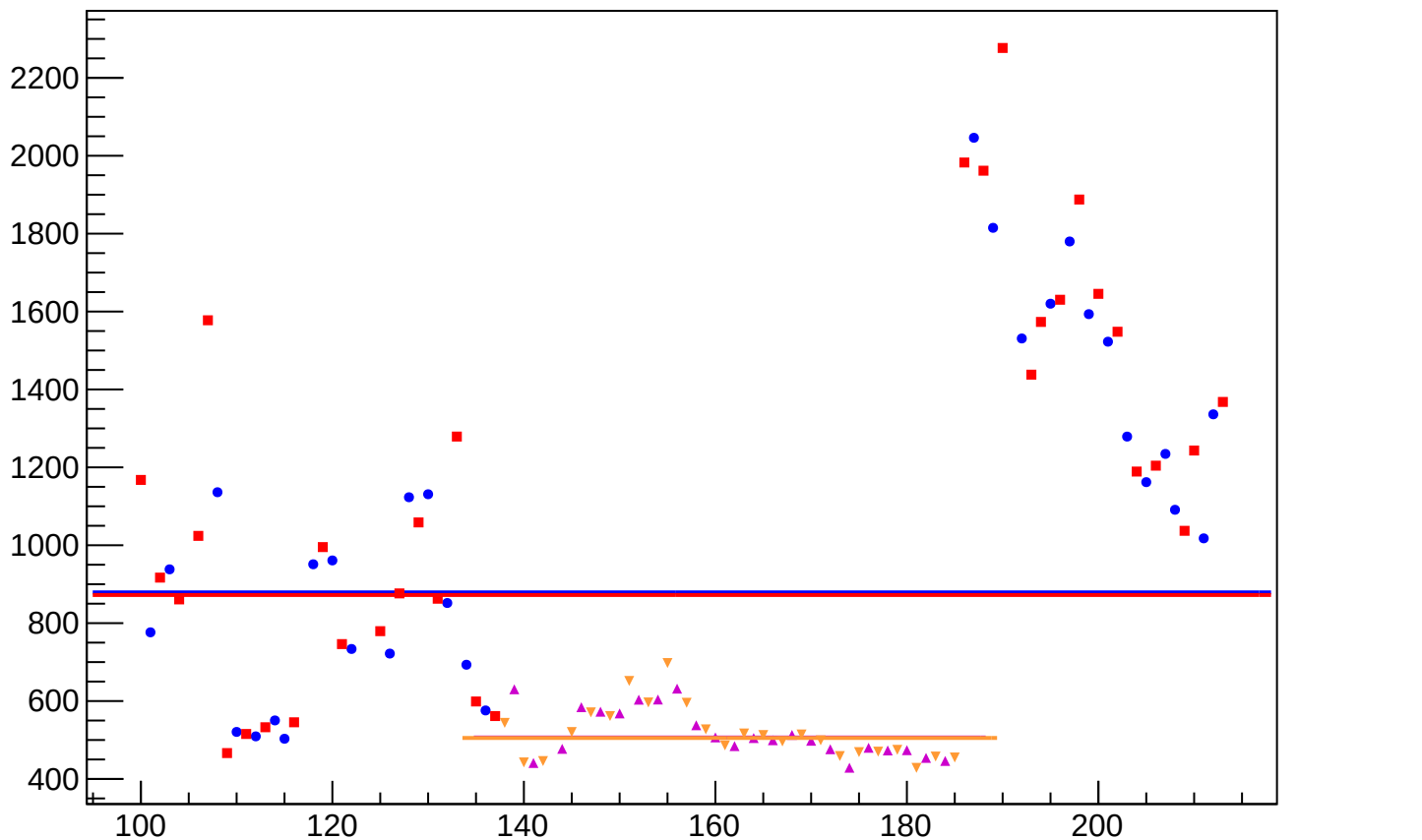
Left In: -62.768 $\pm$ 122.045 χ^2 /NDF: 28.8/22

+ sign -519.317 $\pm$ 108.092 χ^2 /NDF: 96.8/52

All: -357.651 $\pm$ 76.497 χ^2 /NDF: 153.0/107

- sign -195.438 $\pm$ 108.275 χ^2 /NDF: 51.8/54

asym_us_dd_correction_rms vs Slug



Right In: 878.978 $\pm$ 0.169 χ^2 /NDF: 4433898.5/28

Left Out: 505.220 $\pm$ 0.086 χ^2 /NDF: 485593.0/23

Right Out: 872.329 $\pm$ 0.166 χ^2 /NDF: 5893645.0/31

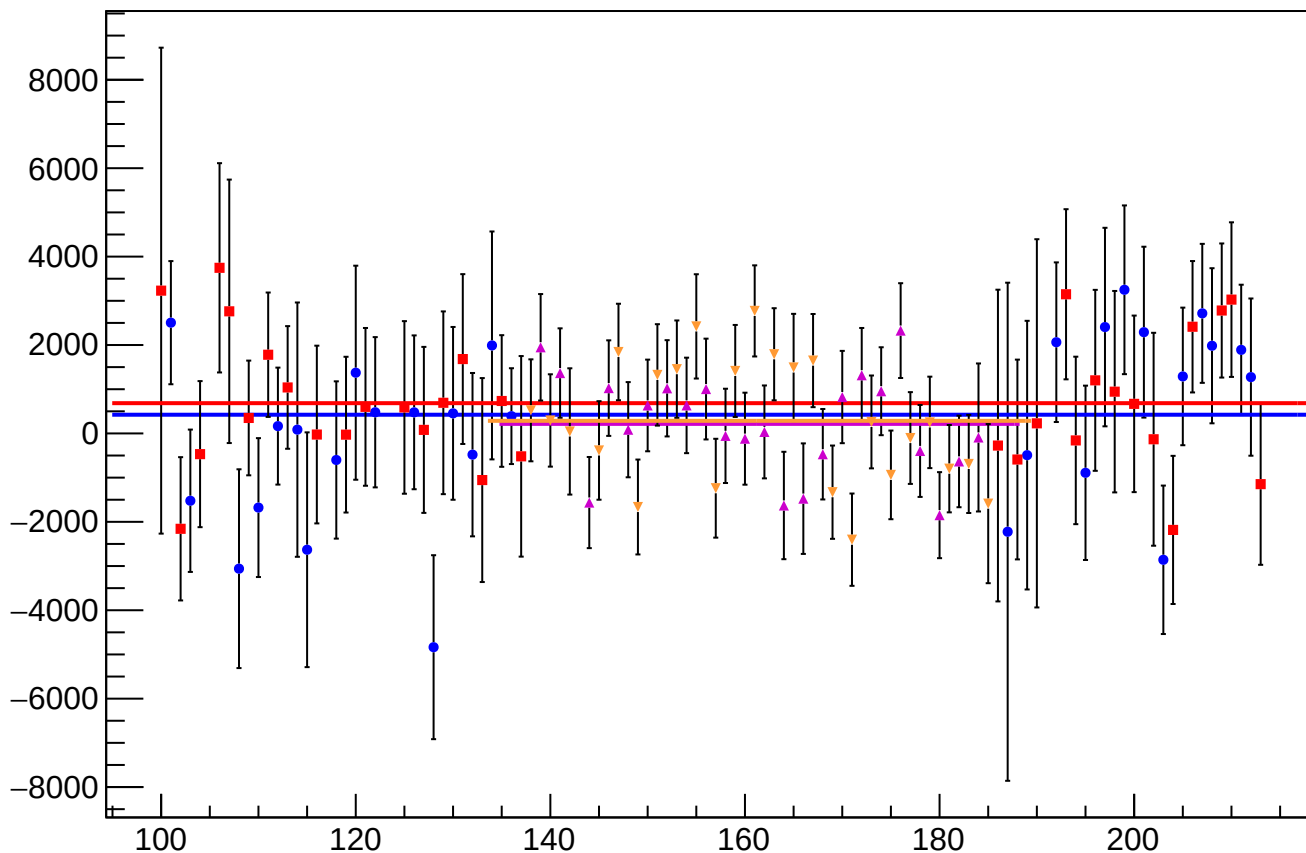
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 581.647 $\pm$ 0.076 χ^2 /NDF: 8809327.2/52

All: 582.973 $\pm$ 0.054 χ^2 /NDF: 18968769.6/10

- sign 584.303 $\pm$ 0.077 χ^2 /NDF: 10158839.5/54

asym_us_dd_mean vs Slug



Right In: 423.017+/-333.225 χ^2/NDF : 30.5/28

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

Right Out: 684.544+/-332.124 χ^2/NDF : 19.6/31

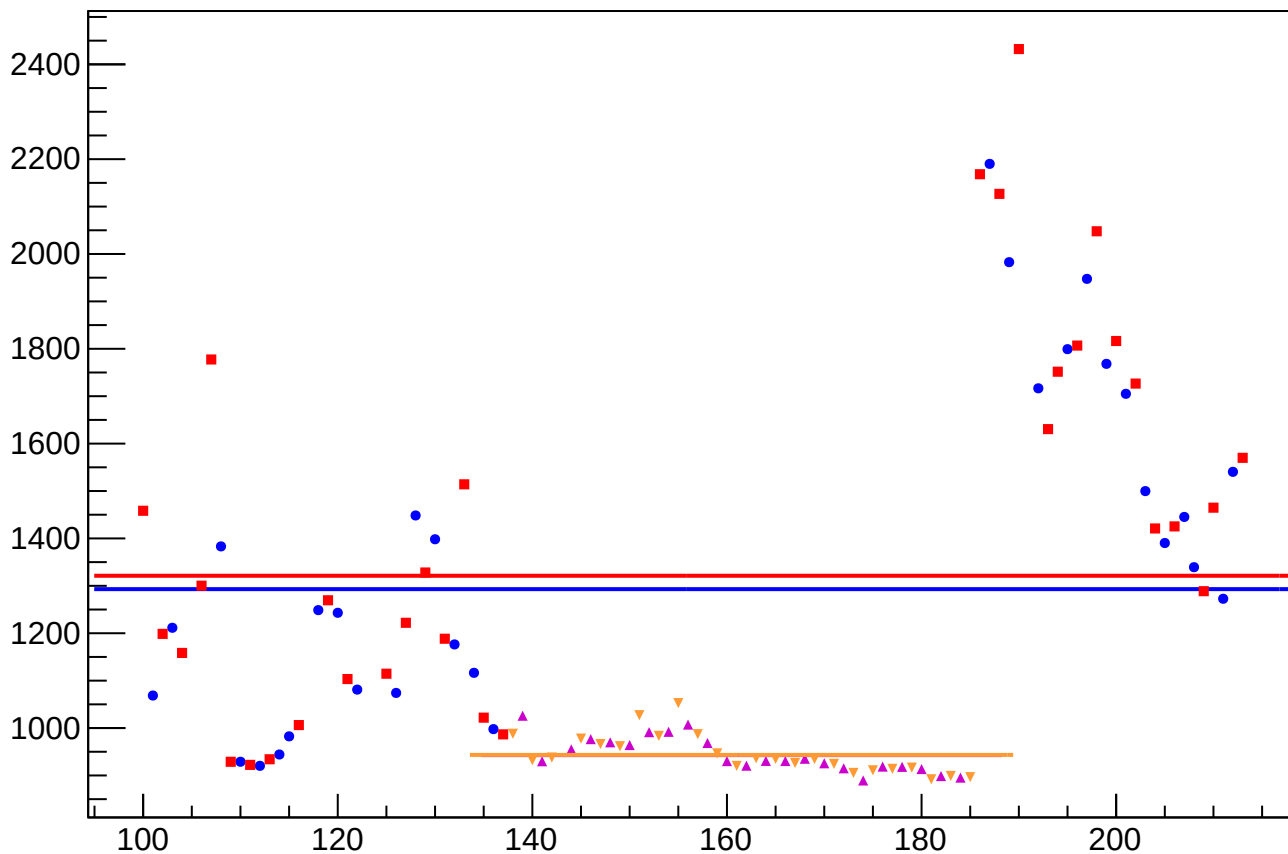
Left In: 216.121+/-225.600 χ^2/NDF : 24.4/22

+ sign 328.155+/-186.117 χ^2/NDF : 68.9/52

All: 346.036+/-131.782 χ^2/NDF : 114.3/107

- sign 364.014+/-186.619 χ^2/NDF : 45.4/54

asym_us_dd_rms vs Slug



Right In: 1293.029+/-0.236 χ^2/NDF : 1508579.7/28

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

Right Out: 1321.258+/-0.235 χ^2/NDF : 2065960.4/31

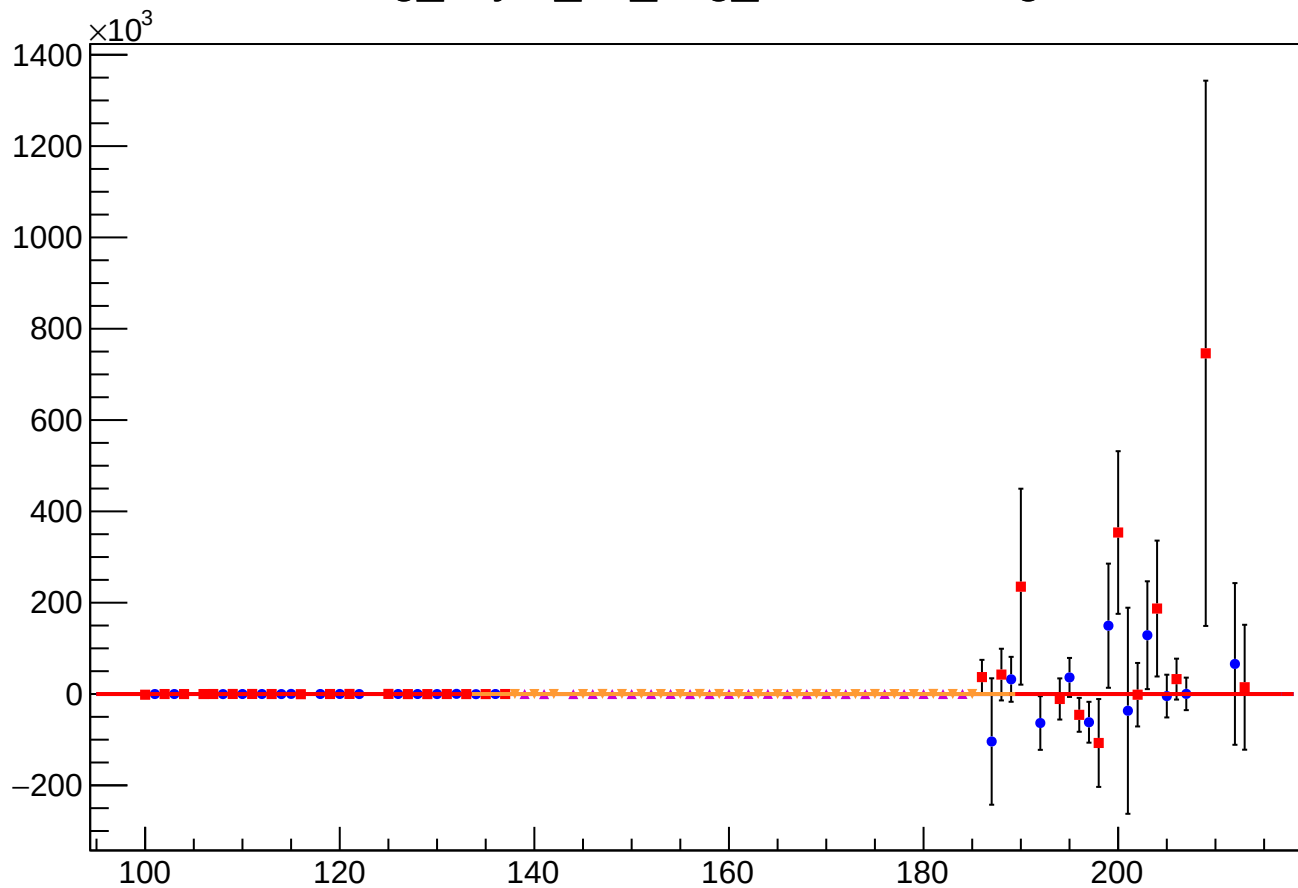
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1052.436+/-0.132 χ^2/NDF : 3084270.2/52

All: 1057.392+/-0.093 χ^2/NDF : 6977320.6/10

- sign 1062.375+/-0.132 χ^2/NDF : 3890206.1/54

reg_asym_ds_avg_mean vs Slug



Right In: -15.555 ± 30.032 χ^2/NDF : 23.3/26

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

Right Out: -31.724 ± 30.492 χ^2/NDF : 30.0/29

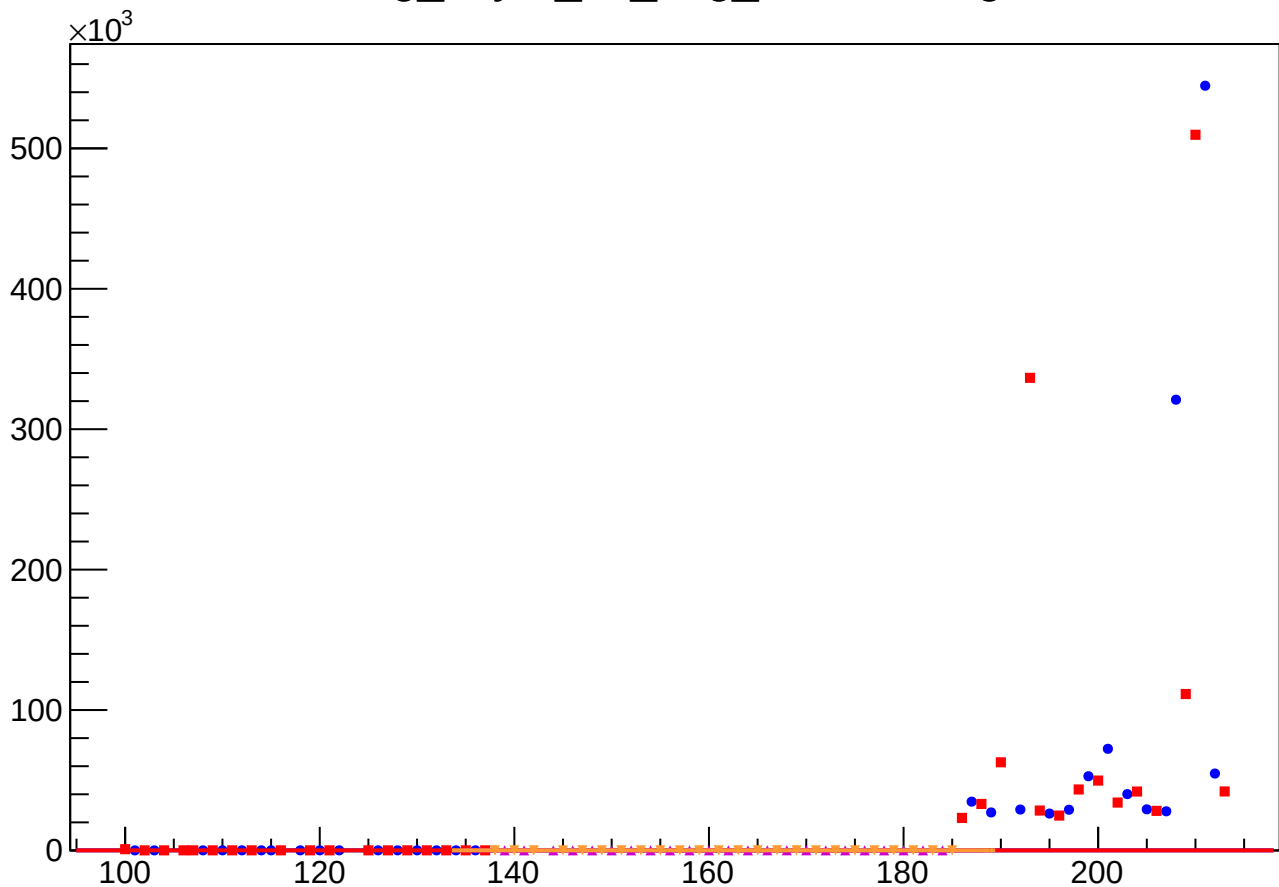
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.805 ± 17.464 χ^2/NDF : 46.0/50

All: 0.908 ± 12.403 χ^2/NDF : 100.7/103

- sign 4.686 ± 17.617 χ^2/NDF : 54.6/52

reg_asym_ds_avg_rms vs Slug



Right In: 76.140 $\pm$ 0.021 χ^2 /NDF: 6491779.0/28

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

Right Out: 79.458 $\pm$ 0.022 χ^2 /NDF: 6196457.8/31

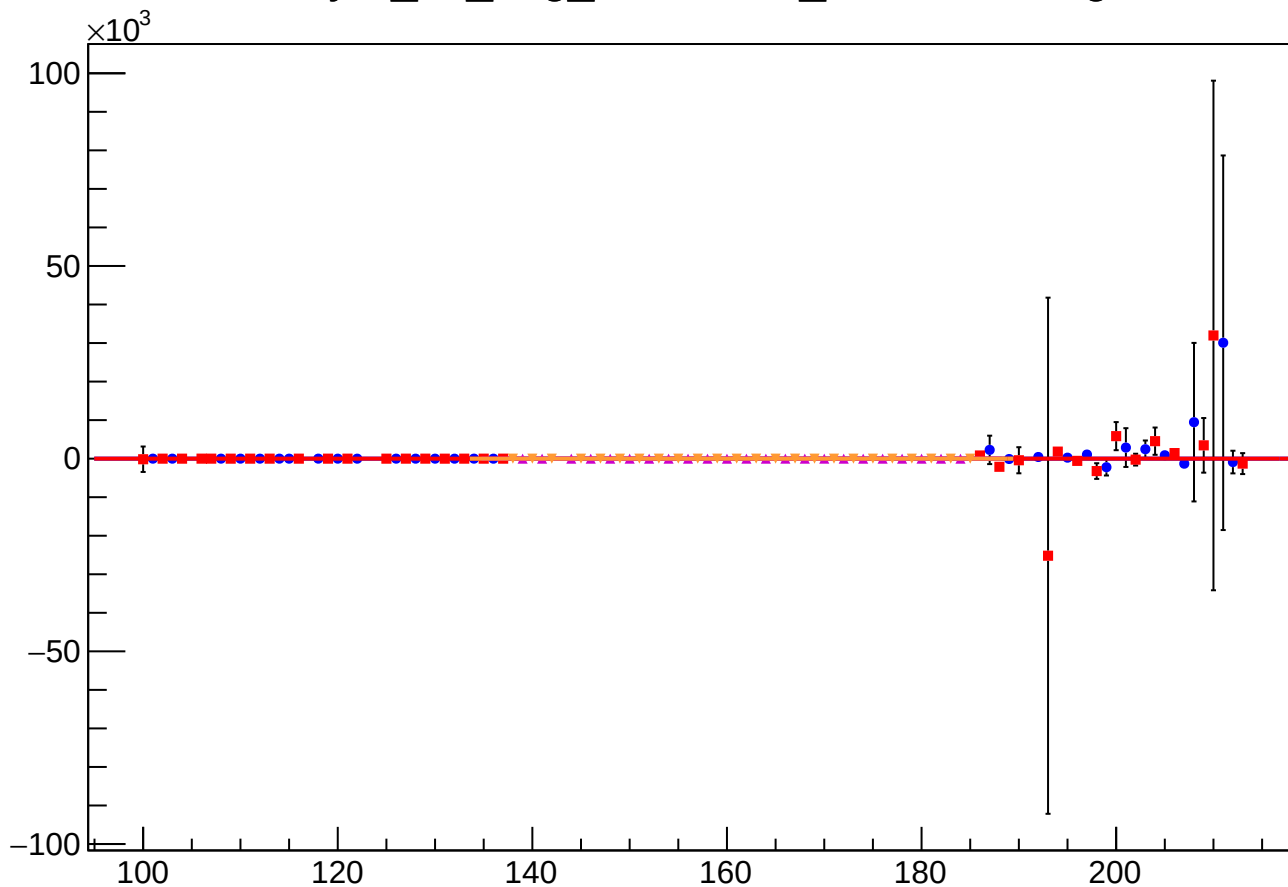
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF:508511.1/22

+ sign 85.109 $\pm$ 0.012 χ^2 /NDF: 7227586.2/52

All: 85.656 $\pm$ 0.009 χ^2 /NDF: 14083778.7/107

- sign 86.211 $\pm$ 0.012 χ^2 /NDF: 6852245.2/54

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 31.5/28

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

Right Out: -0.038 ± 0.525 χ^2/NDF : 29.7/31

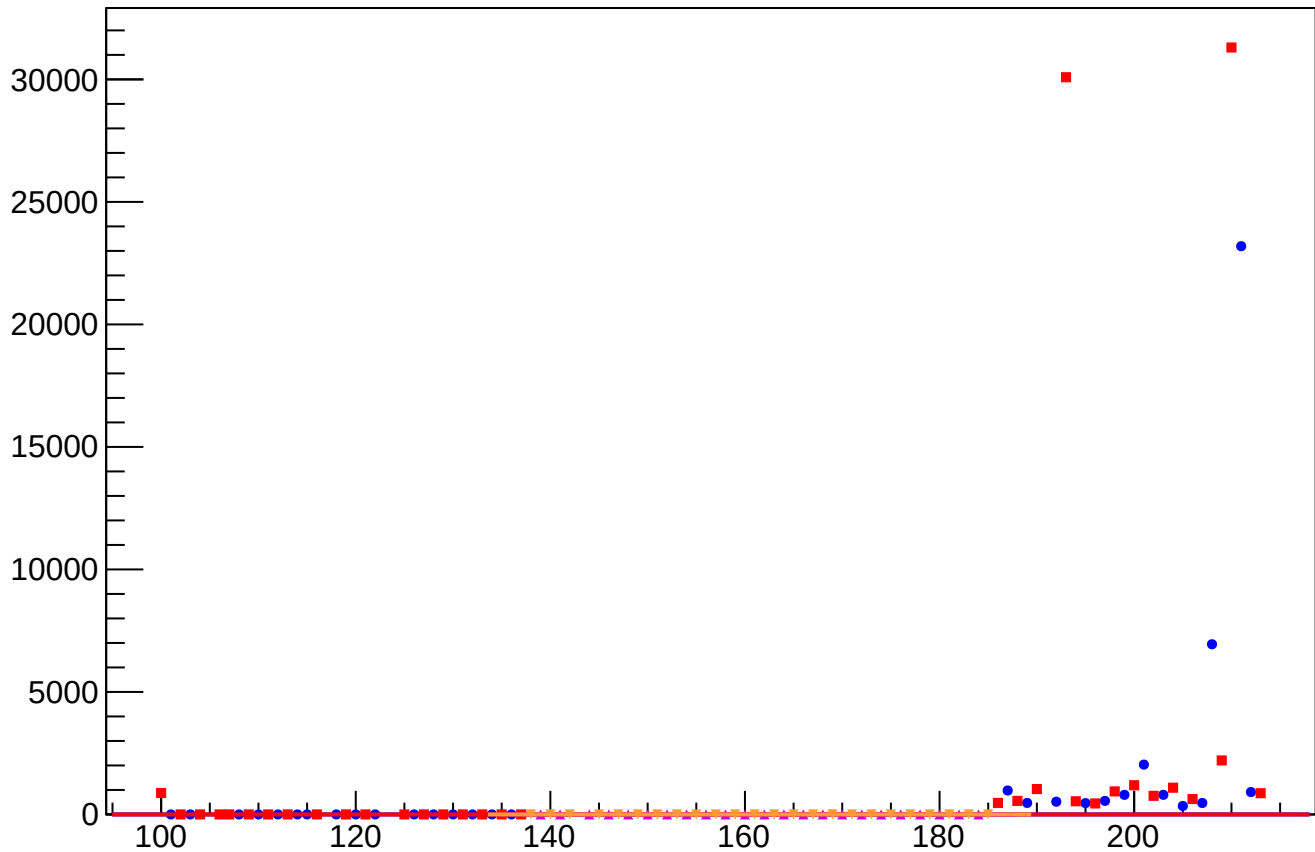
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 53.3/52

All: 0.144 ± 0.217 χ^2/NDF : 110.7/107

- sign 0.323 ± 0.312 χ^2/NDF : 56.8/54

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 6197661.2/28

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

Right Out: 1.260+/-0.000 χ^2/NDF : 6816793.9/31

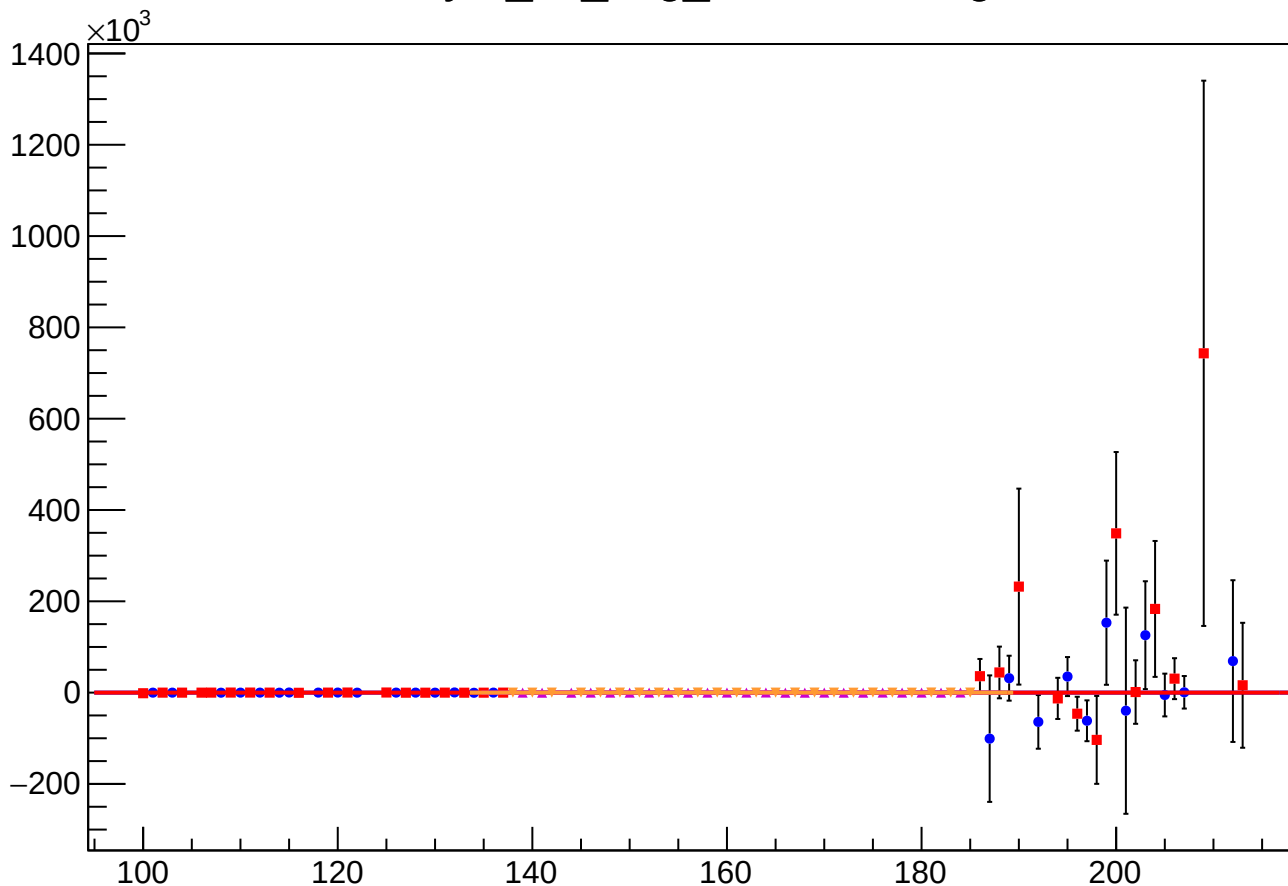
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 7515817.5/52

All: 1.350+/-0.000 χ^2/NDF : 15554104.6/107

- sign 1.385+/-0.000 χ^2/NDF : 7987671.0/54

asym_ds_avg_mean vs Slug



Right In: -14.492 ± 30.040 χ^2/NDF : 23.5/26

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

Right Out: -32.004 ± 30.500 χ^2/NDF : 29.6/29

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

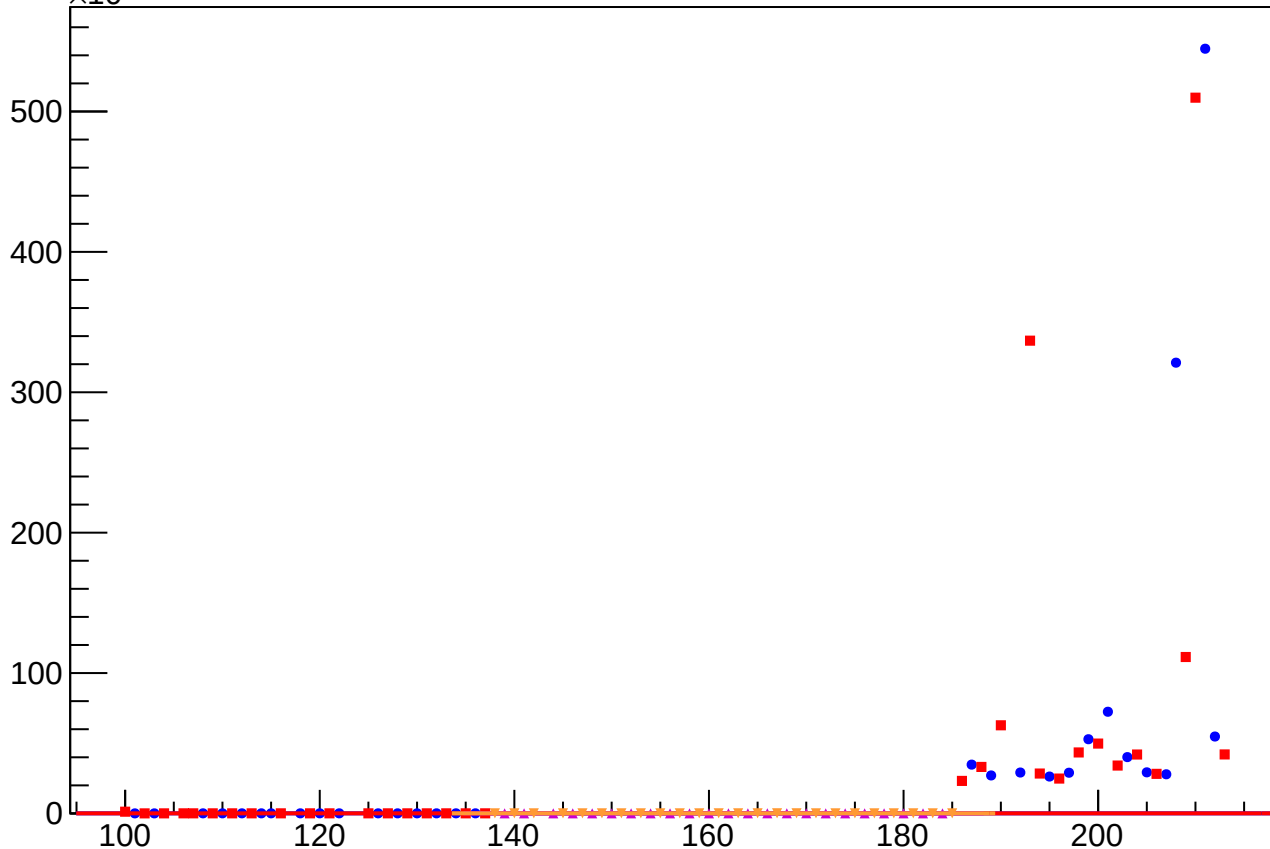
+ sign -2.587 ± 17.470 χ^2/NDF : 45.9/50

All: 0.811 ± 12.407 χ^2/NDF : 100.0/103

- sign 4.268 ± 17.623 χ^2/NDF : 54.1/52

asym_ds_avg_rms vs Slug

$\times 10^3$



Right In: 76.160 $\pm$ 0.021 χ^2 /NDF: 6491879.7/28

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

Right Out: 79.461 $\pm$ 0.022 χ^2 /NDF: 6203070.4/31

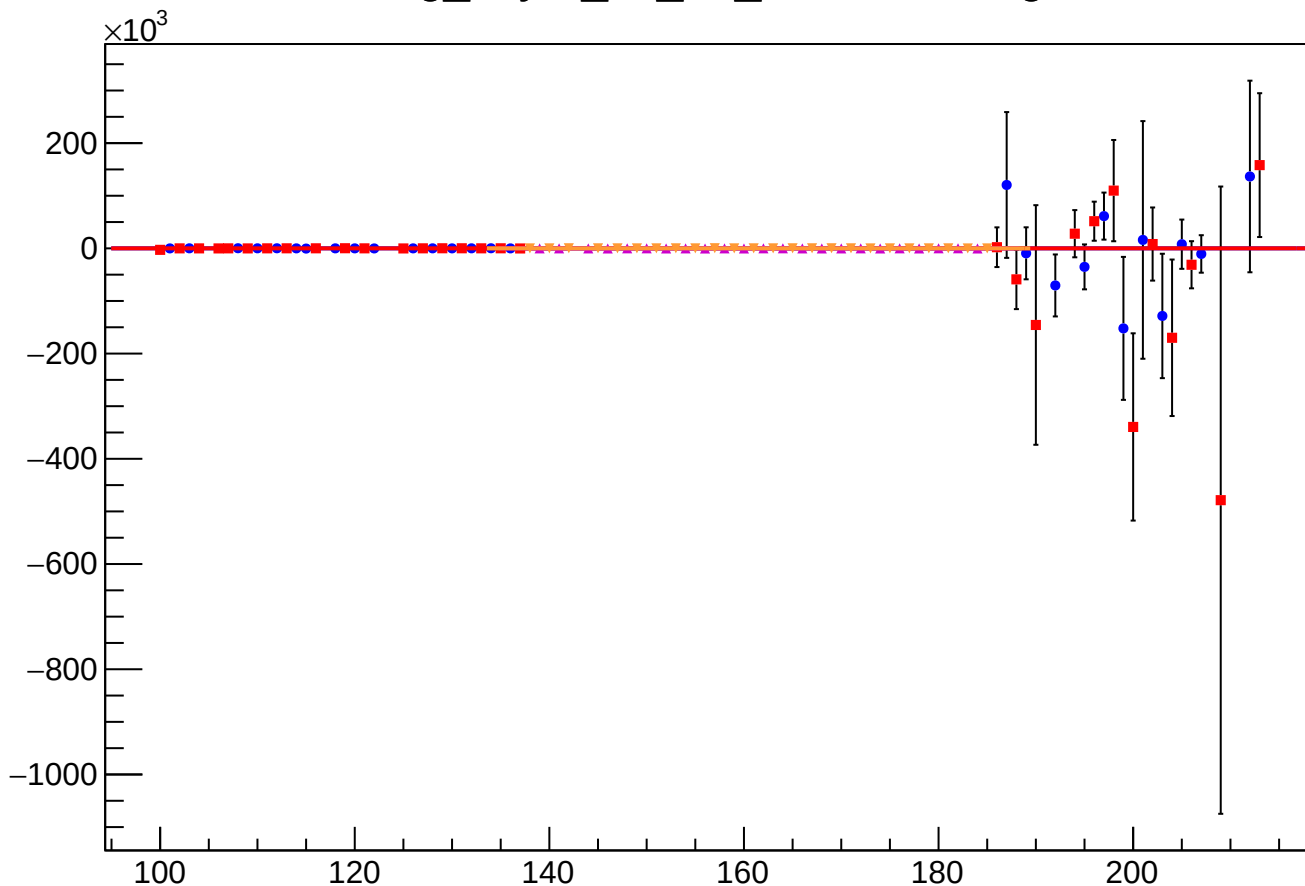
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.133 $\pm$ 0.012 χ^2 /NDF: 7228556.6/52

All: 85.677 $\pm$ 0.009 χ^2 /NDF: 14092791.9/107

- sign 86.230 $\pm$ 0.012 χ^2 /NDF: 6860328.9/54

reg_asym_ds_dd_mean vs Slug



Right In: 8.091 ± 30.012 χ^2/NDF : 21.9/26

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

Right Out: 25.791 ± 30.473 χ^2/NDF : 25.3/29

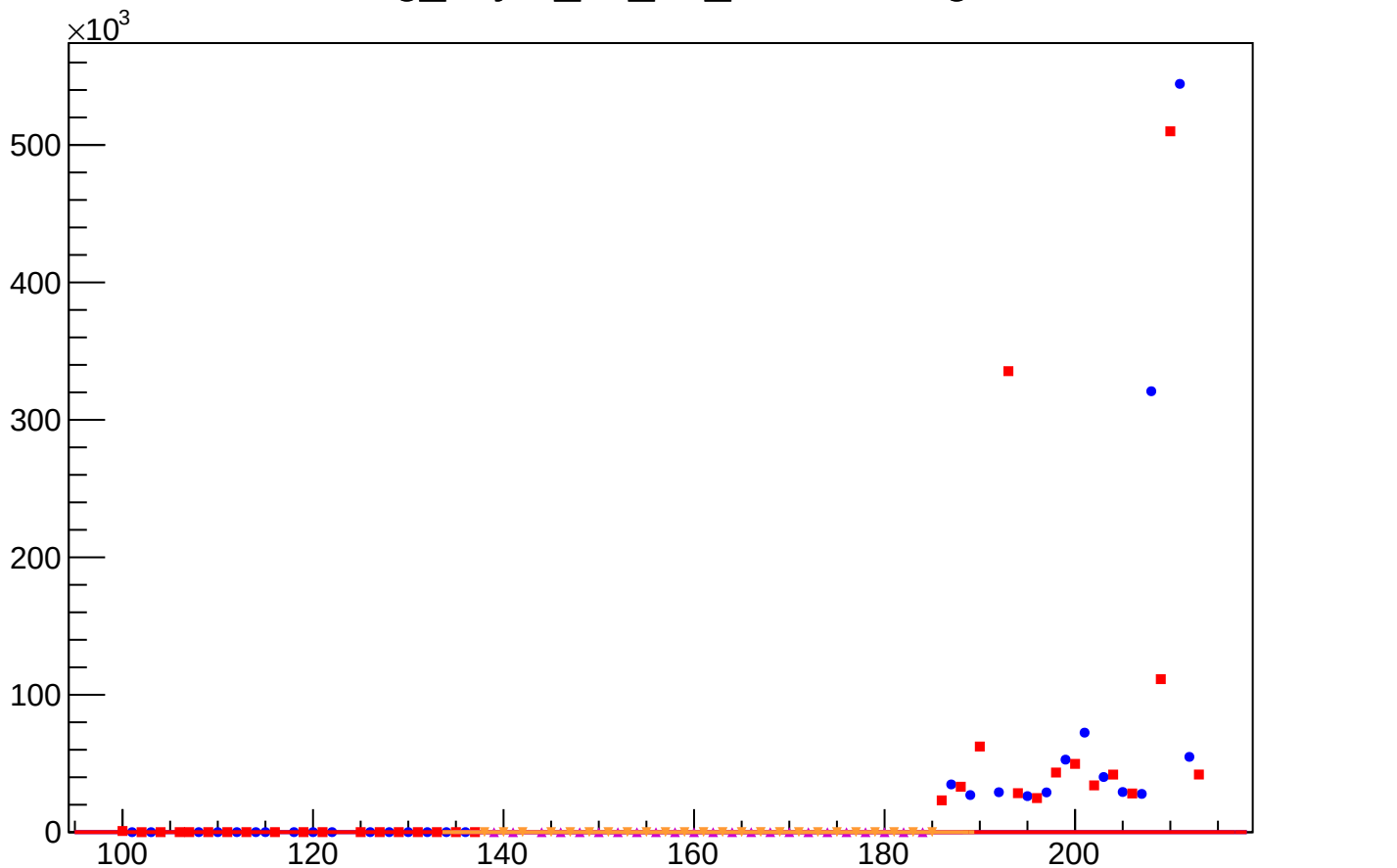
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.842 ± 17.463 χ^2/NDF : 39.1/50

All: -3.576 ± 12.403 χ^2/NDF : 101.1/103

- sign -20.287 ± 17.618 χ^2/NDF : 60.2/52

reg_asym_ds_dd_rms vs Slug



Right In: 76.091 $\pm$ 0.021 χ^2 /NDF: 6491156.6/28

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

Right Out: 79.409 $\pm$ 0.022 χ^2 /NDF: 6195772.8/31

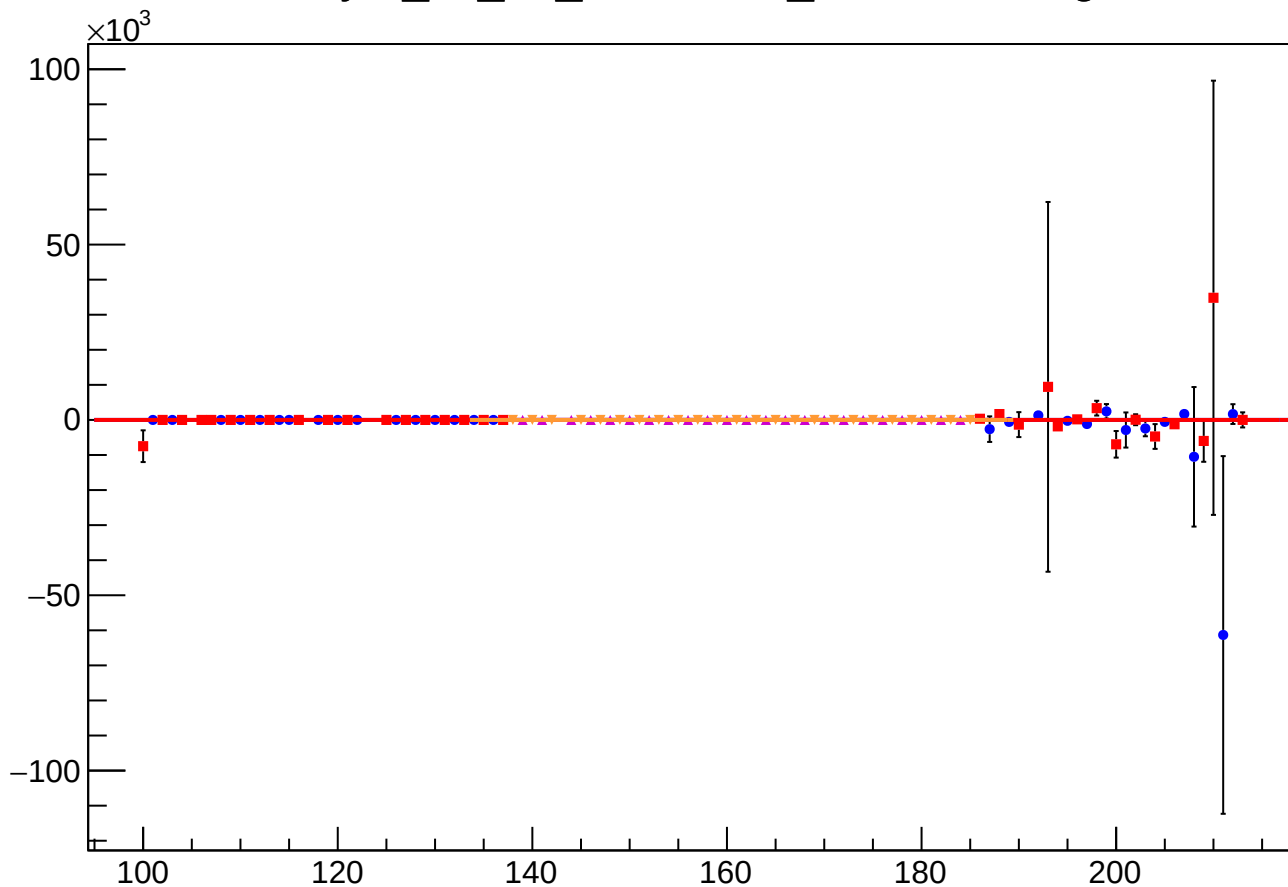
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.100 $\pm$ 0.012 χ^2 /NDF: 7228737.3/52

All: 85.651 $\pm$ 0.009 χ^2 /NDF: 14089282.2/107

- sign 86.212 $\pm$ 0.012 χ^2 /NDF: 6856529.5/54

asym_ds_dd_correction_mean vs Slug



Right In: 0.893 ± 0.531 χ^2/NDF : 27.5/28

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

Right Out: -0.348 ± 0.549 χ^2/NDF : 32.0/31

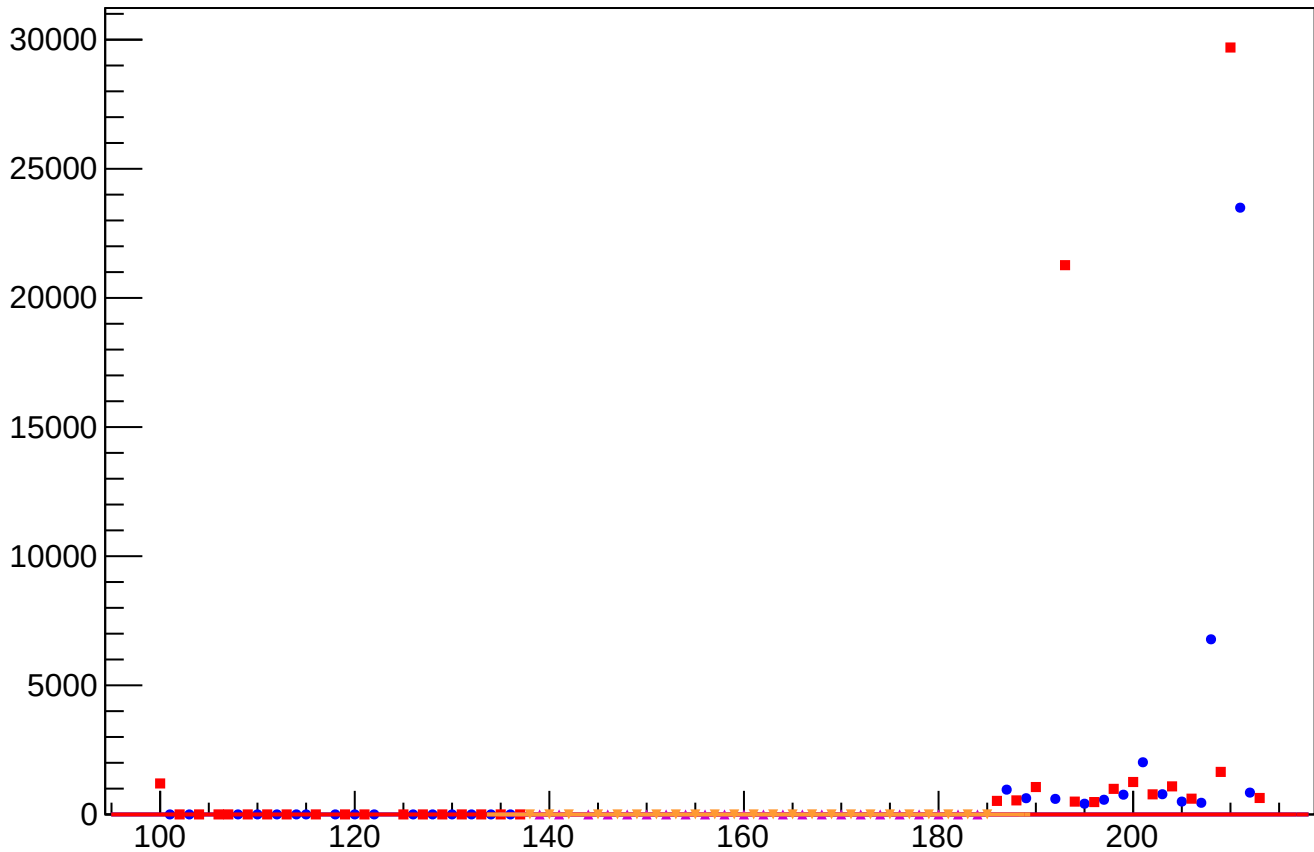
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 52.8/52

All: -0.045 ± 0.224 χ^2/NDF : 105.6/107

- sign -0.069 ± 0.318 χ^2/NDF : 52.8/54

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 6444615.4/28

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

Right Out: 1.317+/-0.000 χ^2/NDF : 6711041.2/31

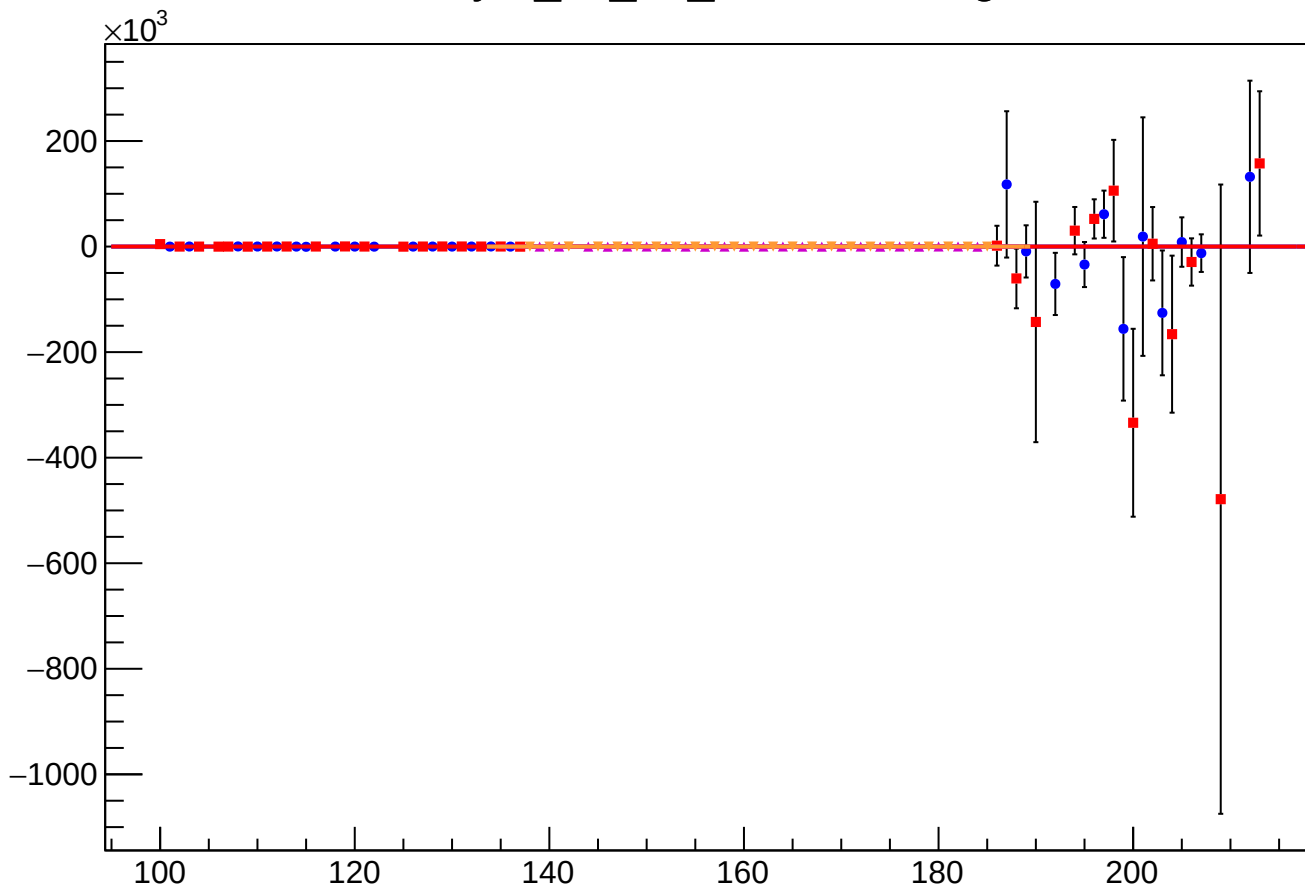
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 7855265.9/52

All: 1.400+/-0.000 χ^2/NDF : 15713178.2/107

- sign 1.412+/-0.000 χ^2/NDF : 7851604.5/54

asym_ds_dd_mean vs Slug



Right In: 7.383 ± 30.020 χ^2/NDF : 21.8/26

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

Right Out: 26.402 ± 30.482 χ^2/NDF : 25.3/29

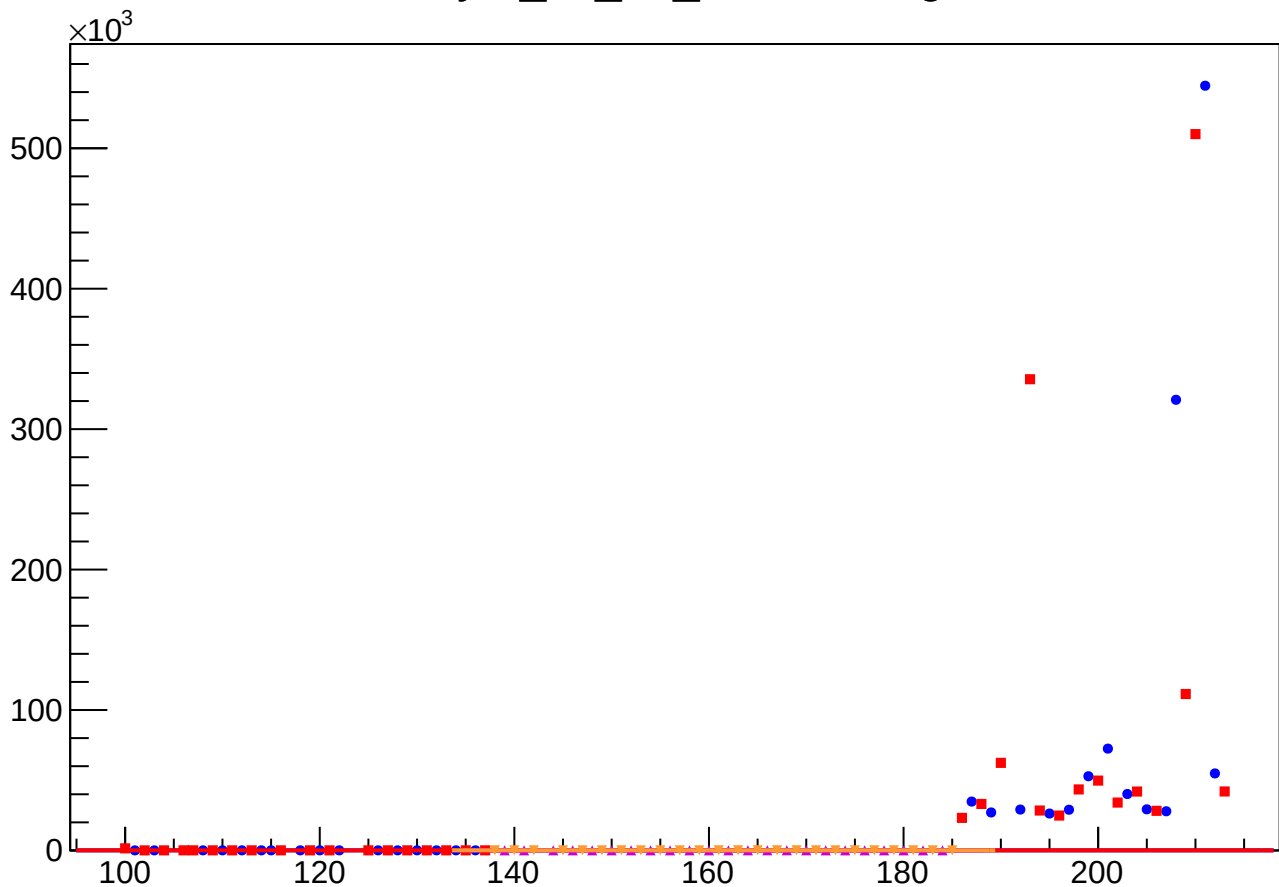
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.930 ± 17.468 χ^2/NDF : 38.9/50

All: -3.588 ± 12.407 χ^2/NDF : 100.7/103

- sign -20.402 ± 17.624 χ^2/NDF : 60.0/52

asym_ds_dd_rms vs Slug



Right In: 76.111 $\pm$ 0.021 χ^2 /NDF: 6491310.6/28

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

Right Out: 79.406 $\pm$ 0.022 χ^2 /NDF: 6205089.8/31

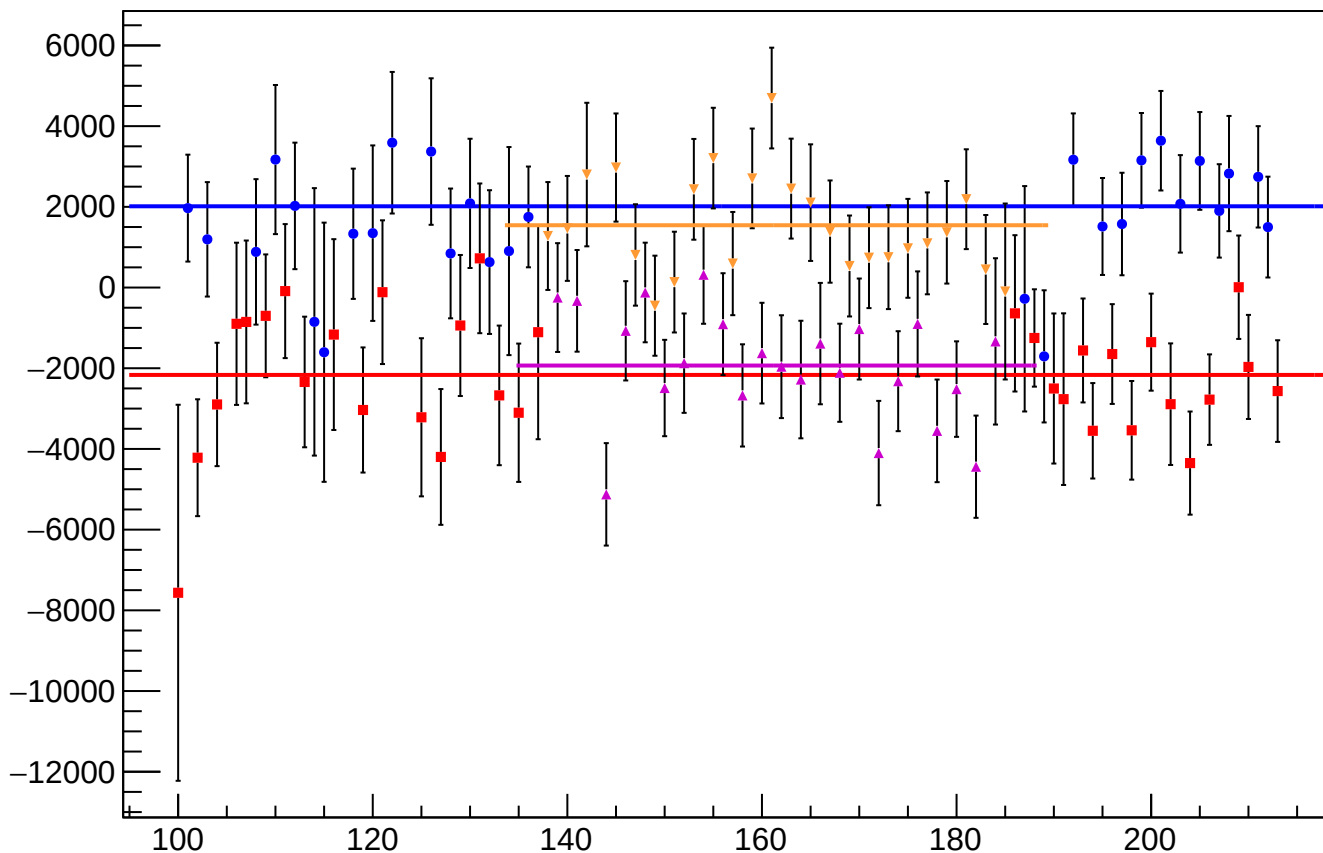
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.125 $\pm$ 0.012 χ^2 /NDF: 7229763.9/52

All: 85.672 $\pm$ 0.009 χ^2 /NDF: 14101164.3/107

- sign 86.229 $\pm$ 0.012 χ^2 /NDF: 6867446.8/54

reg_asym_usl_mean vs Slug



Right In: 2013.815 $\pm$ 275.206 χ^2 /NDF: 17.7/28

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

Right Out: -2165.758 $\pm$ 266.664 χ^2 /NDF: 25.2/32

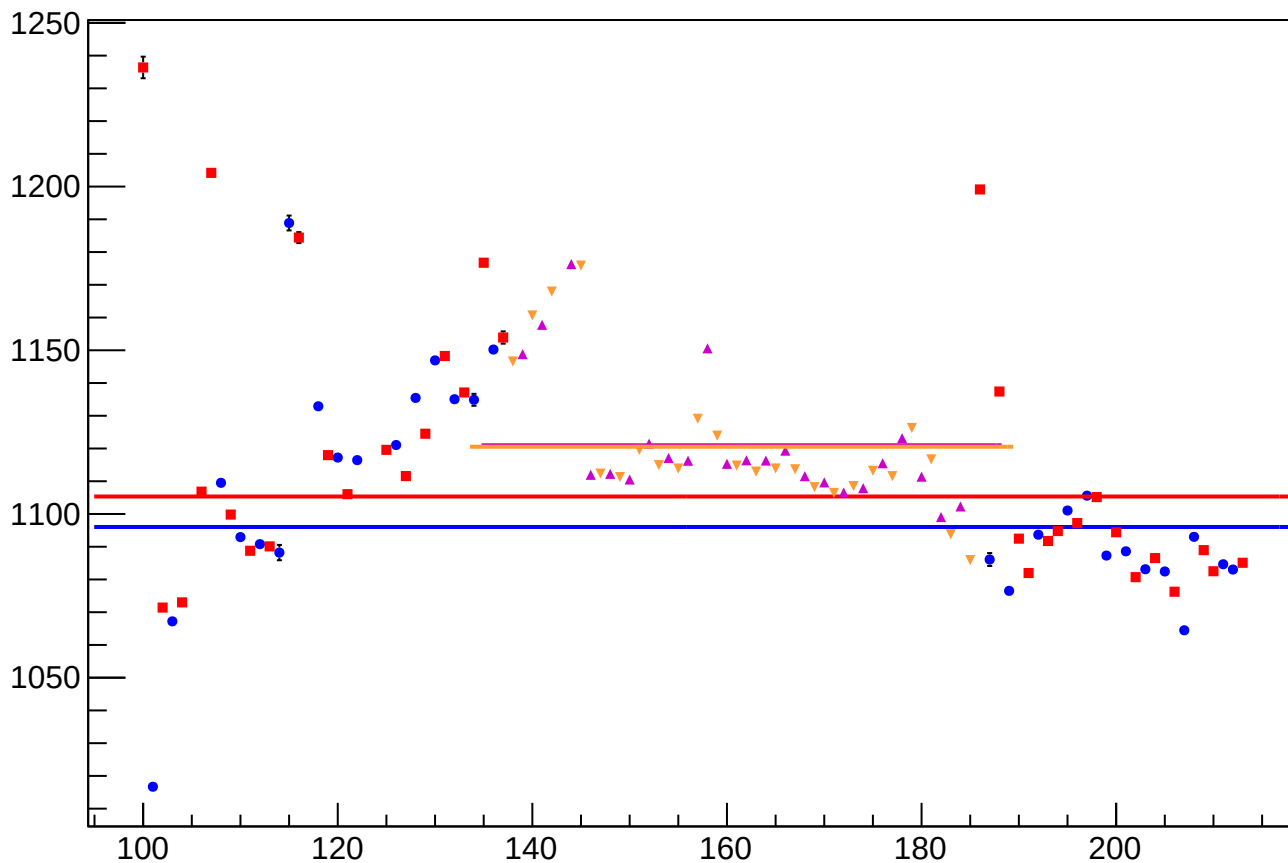
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

+ sign 1771.209 $\pm$ 191.362 χ^2 /NDF: 39.1/52

All: -162.778 $\pm$ 134.483 χ^2 /NDF: 293.5/108

- sign -2049.963 $\pm$ 189.033 χ^2 /NDF: 52.5/55

reg_asym_usl_rms vs Slug



Right In: 1096.023 $\pm$ 0.195 χ^2 /NDF: 23110.0/28

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

Right Out: 1105.343 $\pm$ 0.189 χ^2 /NDF: 28262.5/32

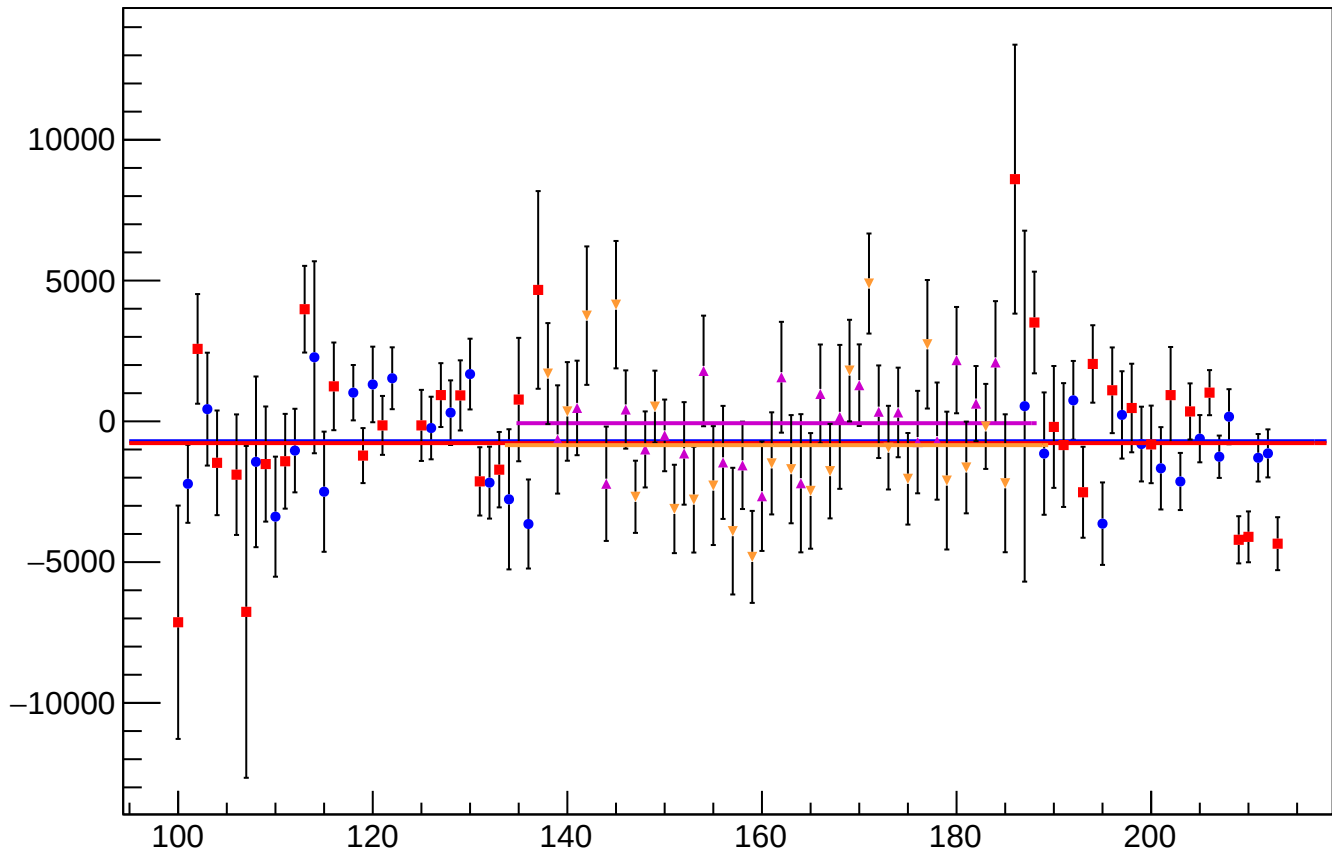
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

+ sign 1108.688 $\pm$ 0.135 χ^2 /NDF: 41562.8/52

All: 1110.935 $\pm$ 0.095 χ^2 /NDF: 83438.2/108

- sign 1113.127 $\pm$ 0.134 χ^2 /NDF: 41330.5/55

asym_usl_correction_mean vs Slug



Right In: -706.281 ± 233.738 $\chi^2/\text{NDF}: 34.2/28$

Left Out: -845.009 ± 361.141 $\chi^2/\text{NDF}: 43.2/23$

Right Out: -772.927 ± 238.658 $\chi^2/\text{NDF}: 97.0/32$

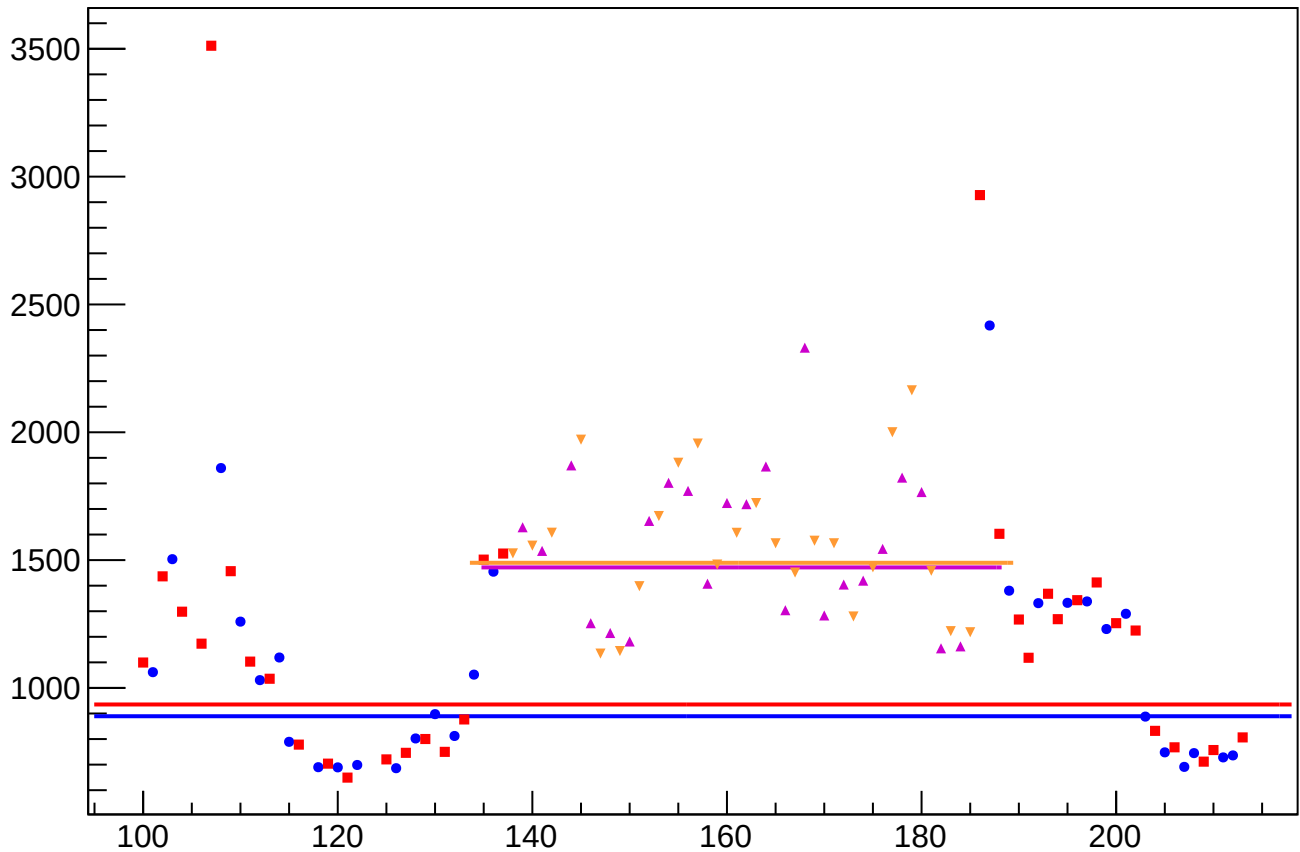
Left In: -65.738 ± 358.785 $\chi^2/\text{NDF}: 12.1/22$

+ sign -747.237 ± 196.225 $\chi^2/\text{NDF}: 77.5/52$

All: -652.823 ± 139.623 $\chi^2/\text{NDF}: 189.8/108$

- sign -556.002 ± 198.711 $\chi^2/\text{NDF}: 111.8/55$

asym_usl_correction_rms vs Slug



Right In: 889.279 ± 0.165 χ^2/NDF : 2484890.0/28

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

Right Out: 935.273 ± 0.169 χ^2/NDF : 3239595.6/32

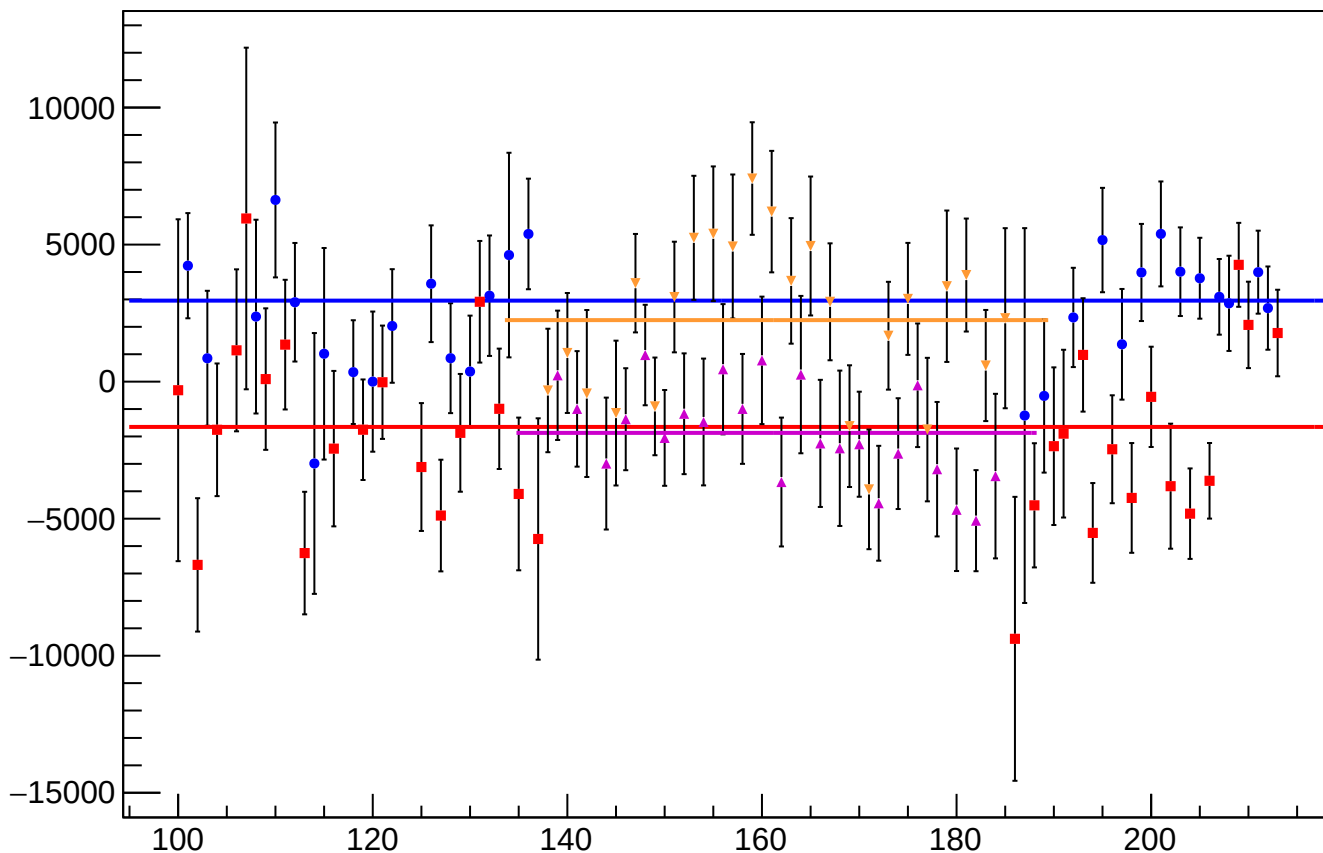
Left In: 1471.394 ± 0.254 χ^2/NDF : 1105310.5/22

+ sign 1066.482 ± 0.139 χ^2/NDF : 7387787.3/52

All: 1082.894 ± 0.099 χ^2/NDF : 14856881.8/100

- sign 1099.724 ± 0.141 χ^2/NDF : 7440756.6/55

asym_usl_mean vs Slug



Right In: 2955.752 $\pm$ 377.968 χ^2 /NDF: 19.8/28

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

Right Out: -1652.331 $\pm$ 376.919 χ^2 /NDF: 66.6/32

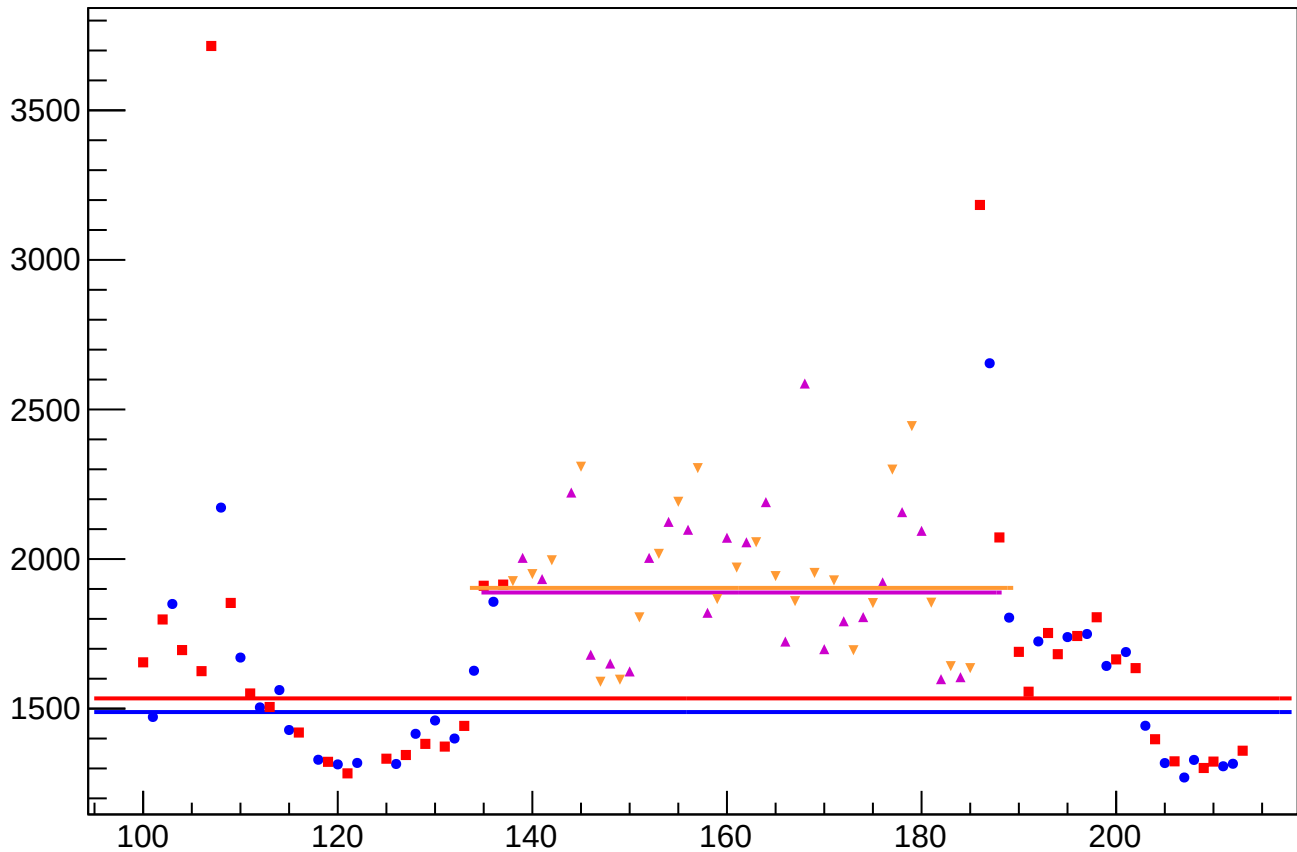
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2666.421 $\pm$ 291.123 χ^2 /NDF: 59.8/52

All: 457.230 $\pm$ 205.593 χ^2 /NDF: 256.3/108

- sign -1740.723 $\pm$ 290.382 χ^2 /NDF: 81.6/55

asym_usl_rms vs Slug



Right In: 1488.529 ± 0.267 $\chi^2/\text{NDF}: 626229.6/28$

Left Out: 1903.581 ± 0.323 $\chi^2/\text{NDF}: 461788.9/23$

Right Out: 1534.173 ± 0.267 $\chi^2/\text{NDF}: 1075178.3/32$

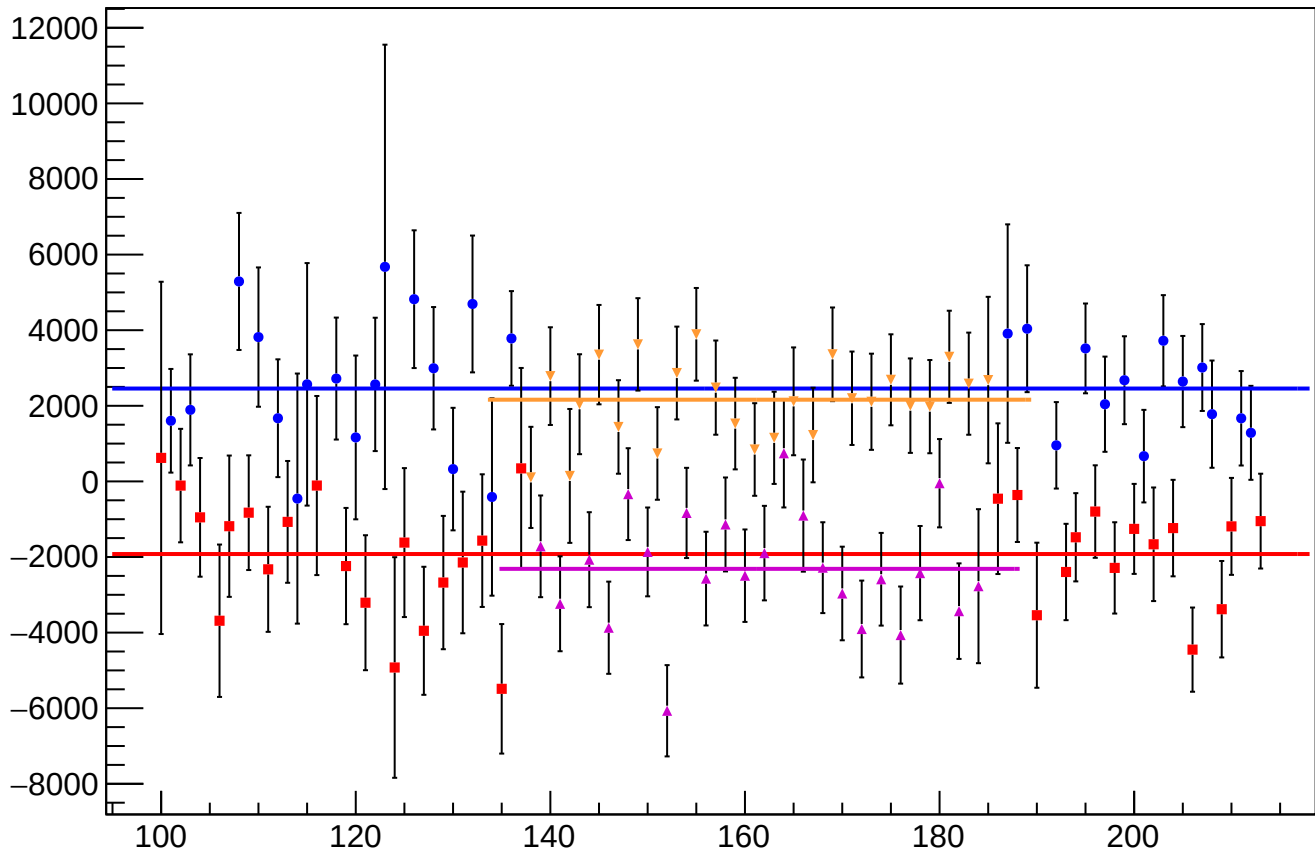
Left In: 1888.121 ± 0.322 $\chi^2/\text{NDF}: 504568.6/22$

+ sign 1657.348 ± 0.206 $\chi^2/\text{NDF}: 2068962.1/52$

All: 1667.722 ± 0.145 $\chi^2/\text{NDF}: 4370647.5/10$

- sign 1678.042 ± 0.205 $\chi^2/\text{NDF}: 2296619.6/55$

reg_asym_usr_mean vs Slug



Right In: 2456.668 ± 275.280 χ^2/NDF : 21.4/29

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

Right Out: -1921.312 ± 267.588 χ^2/NDF : 24.8/32

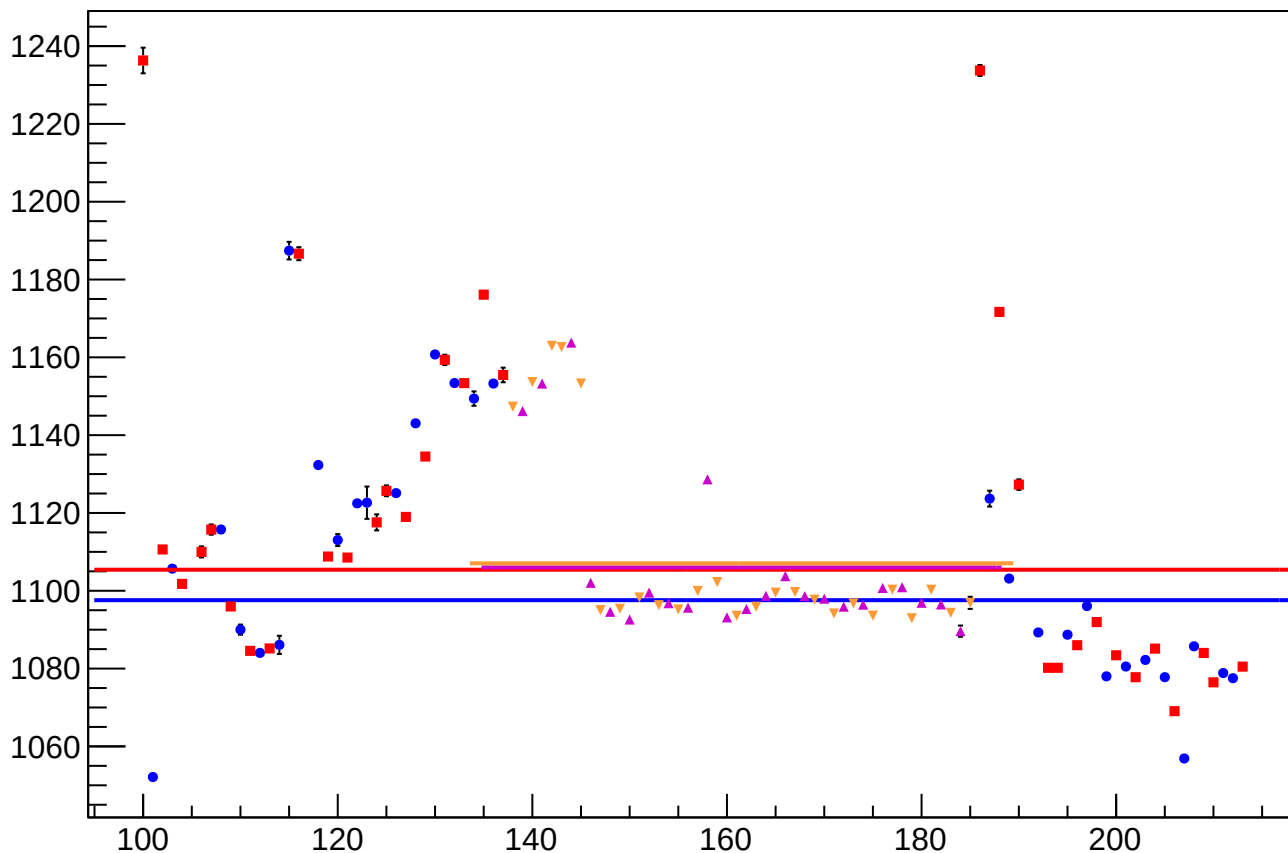
Left In: -2313.505 ± 264.429 χ^2/NDF : 31.3/22

+ sign 2299.216 ± 188.059 χ^2/NDF : 37.1/54

All: 90.066 ± 132.987 χ^2/NDF : 370.3/110

- sign -2119.737 ± 188.087 χ^2/NDF : 57.2/55

reg_asym_usr_rms vs Slug



Right In: 1097.583 $\pm$ 0.195 χ^2 /NDF: 23256.1/29

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

Right Out: 1105.413 $\pm$ 0.189 χ^2 /NDF: 36016.3/32

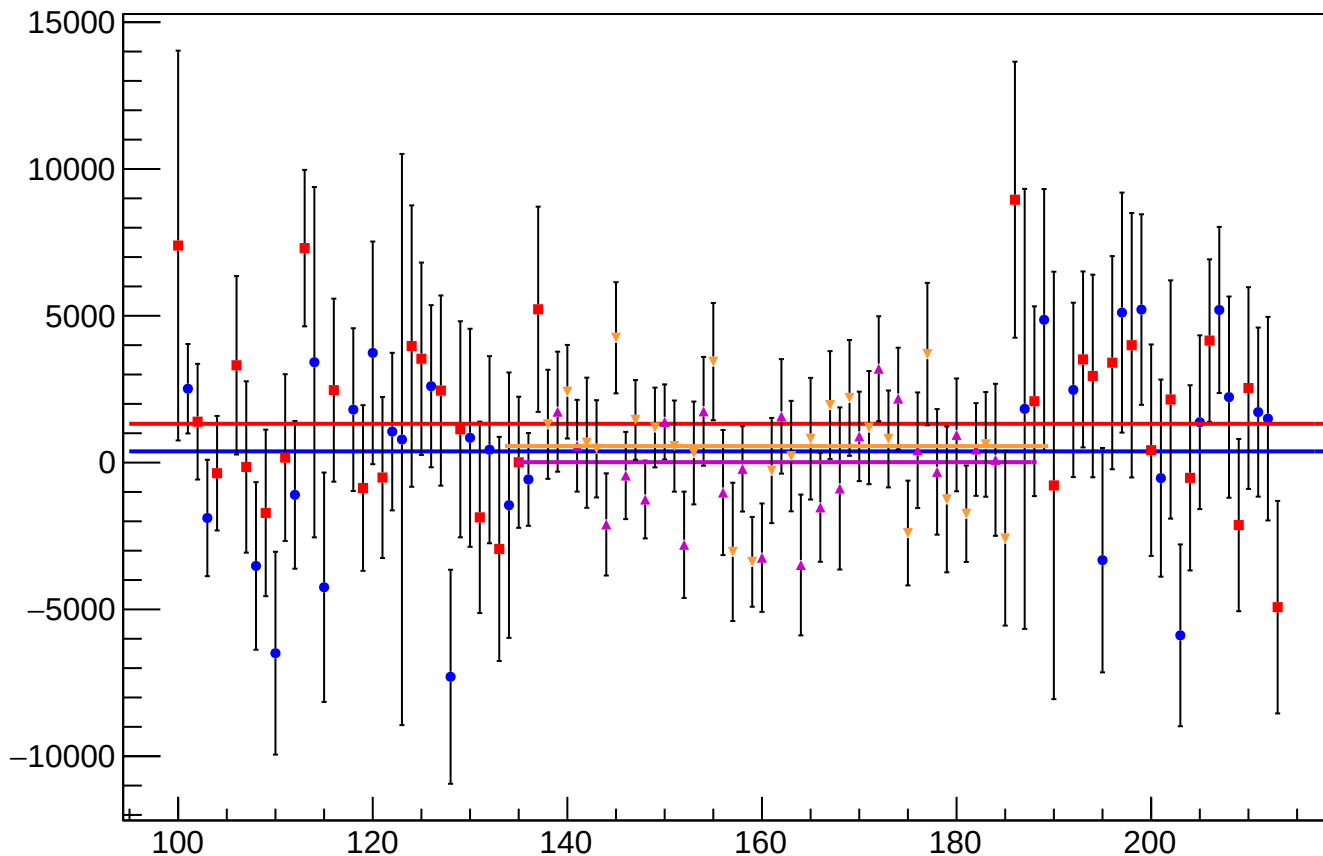
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1102.636 $\pm$ 0.133 χ^2 /NDF: 39694.9/54

All: 1104.172 $\pm$ 0.094 χ^2 /NDF: 87534.3/110

- sign 1105.708 $\pm$ 0.133 χ^2 /NDF: 47572.5/55

asym_usr_correction_mean vs Slug



Right In: 382.710 ± 538.741 χ^2/NDF : 31.7/29

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

Right Out: 1321.739 ± 542.507 χ^2/NDF : 24.7/32

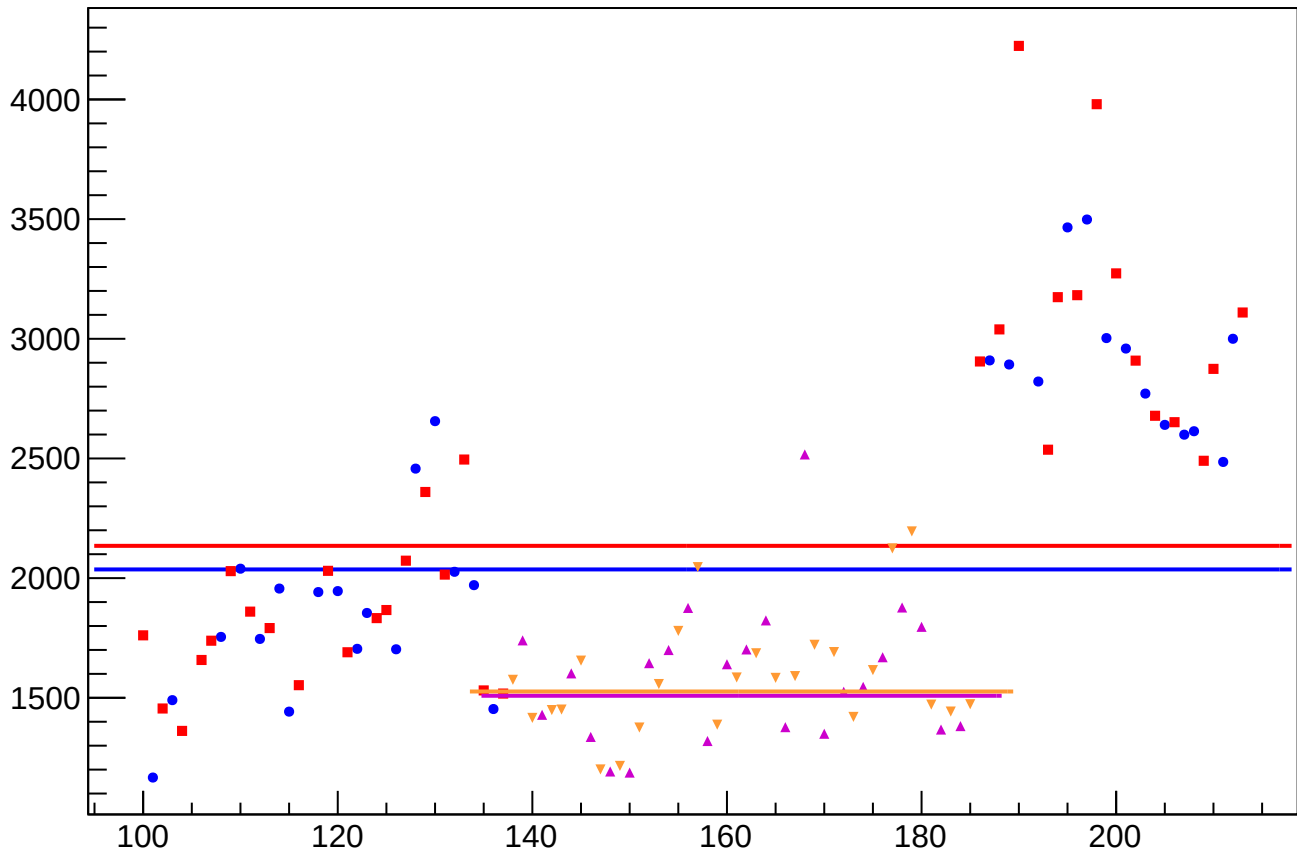
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 507.349 ± 299.840 χ^2/NDF : 58.5/54

All: 466.922 ± 213.438 χ^2/NDF : 107.4/110

- sign 425.395 ± 303.895 χ^2/NDF : 48.8/55

asym_usr_correction_rms vs Slug



Right In: 2036.362 $\pm$ 0.381 χ^2 /NDF: 2955429.7/29

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

Right Out: 2134.933 $\pm$ 0.384 χ^2 /NDF: 2847115.0/32

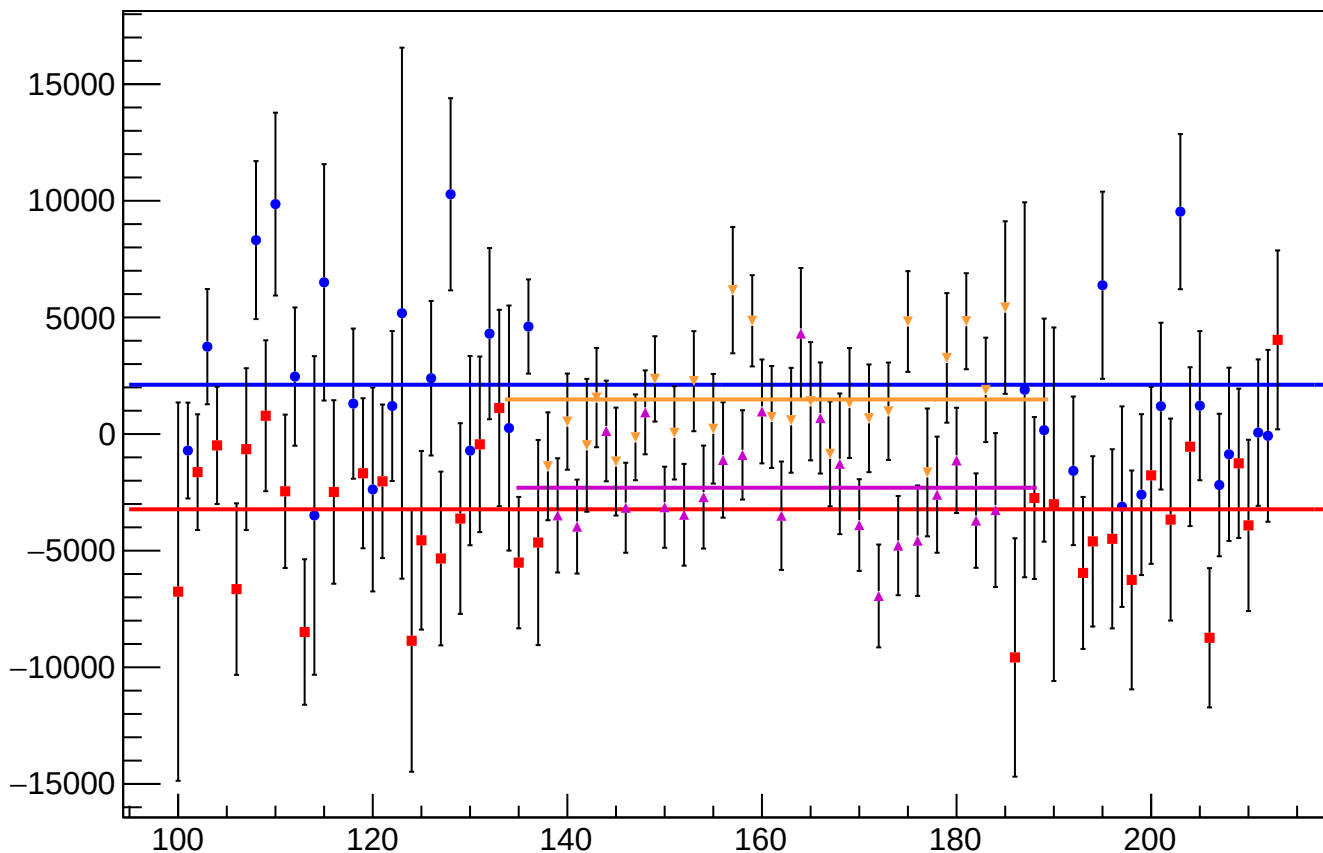
Left In: 1508.581 $\pm$ 0.259 χ^2 /NDF: 931684.8/22

+ sign 1684.357 $\pm$ 0.212 χ^2 /NDF: 4946124.9/54

All: 1694.600 $\pm$ 0.151 χ^2 /NDF: 10559083.8/1

- sign 1705.122 $\pm$ 0.215 χ^2 /NDF: 5608227.4/55

asym_usr_mean vs Slug



Right In: 2113.158 $\pm$ 629.162 χ^2 /NDF: 33.2/29

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

Right Out: -3226.262 $\pm$ 625.493 χ^2 /NDF: 23.0/32

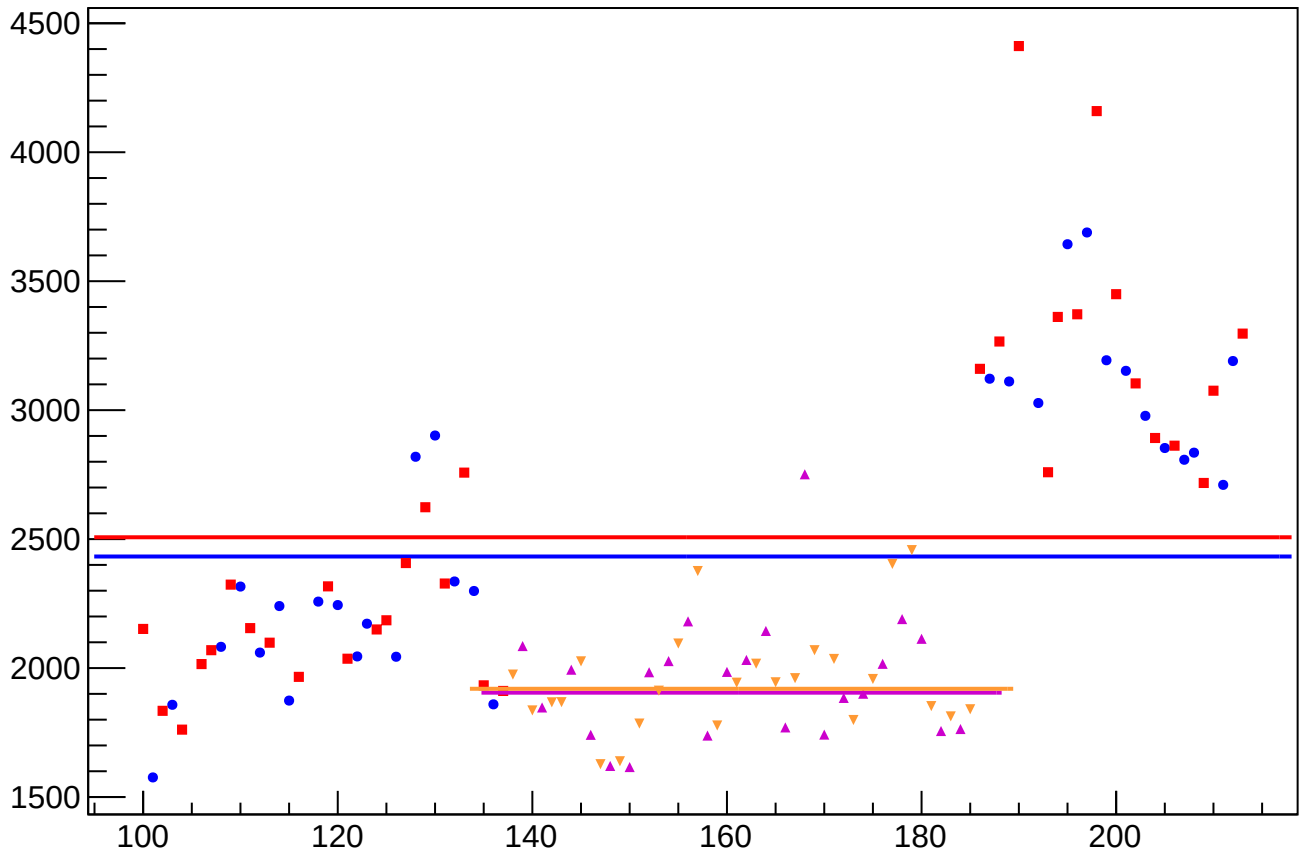
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF:24.8/22

+ sign 1695.836 $\pm$ 366.006 χ^2 /NDF: 54.8/54

All: -440.725 $\pm$ 260.232 χ^2 /NDF: 173.0/110

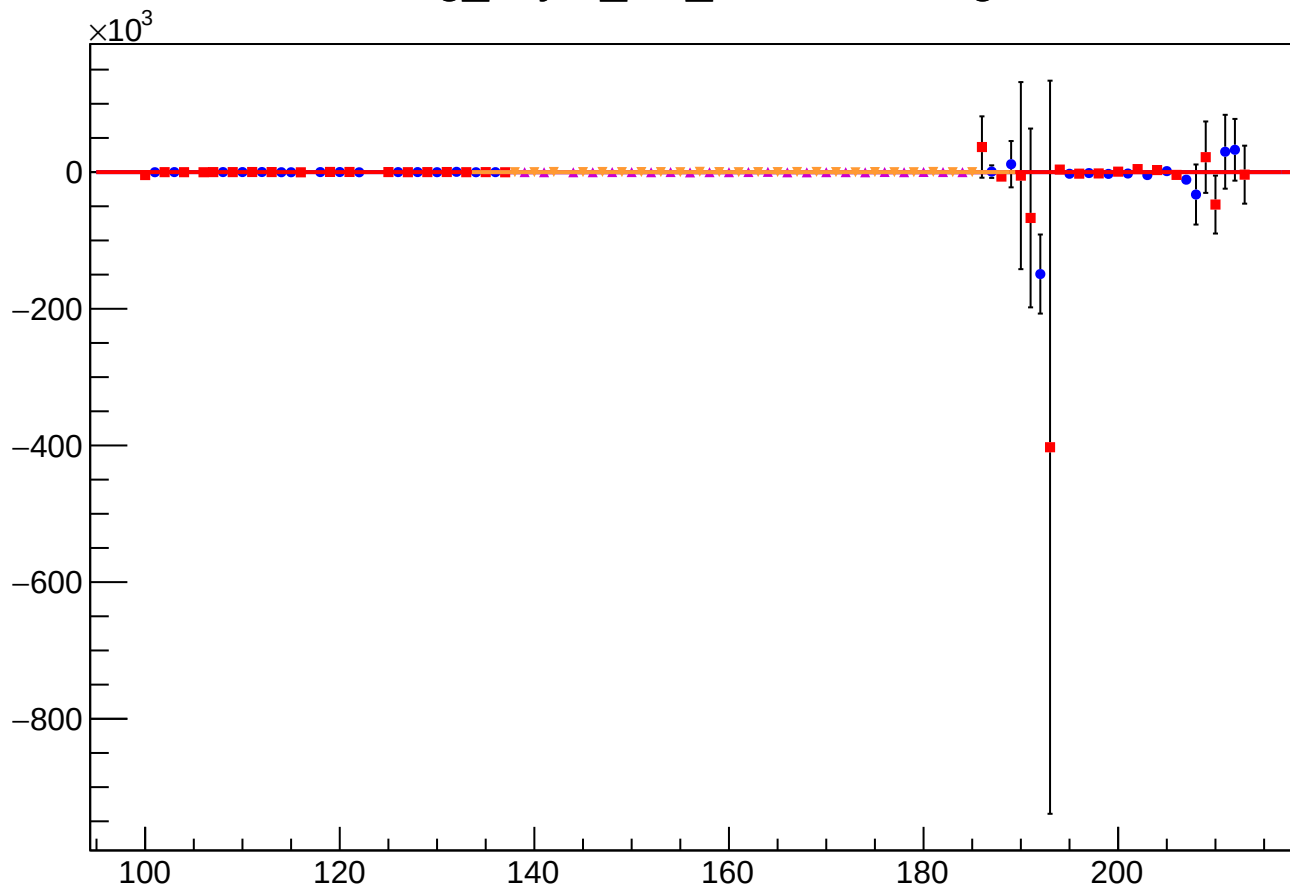
- sign -2625.051 $\pm$ 370.075 χ^2 /NDF: 49.2/55

asym_usr_rms vs Slug



Right In: 2432.584 $\pm$ 0.445	χ^2 /NDF: 1710384.9/29	+ sign 2093.289 $\pm$ 0.259	χ^2 /NDF: 2955774.6/54
Left Out: 1919.732 $\pm$ 0.318	χ^2 /NDF: 366218.1/24	All: 2104.291 $\pm$ 0.184	χ^2 /NDF: 6395829.3/11
Right Out: 2507.138 $\pm$ 0.442	χ^2 /NDF: 1782929.1/32	- sign 2115.539 $\pm$ 0.262	χ^2 /NDF: 3436400.1/55
Left In: 1904.629 $\pm$ 0.325	χ^2 /NDF: 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -2.343 ± 36.762 χ^2/NDF : 32.8/28

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

Right Out: -1.857 ± 36.747 χ^2/NDF : 20.9/32

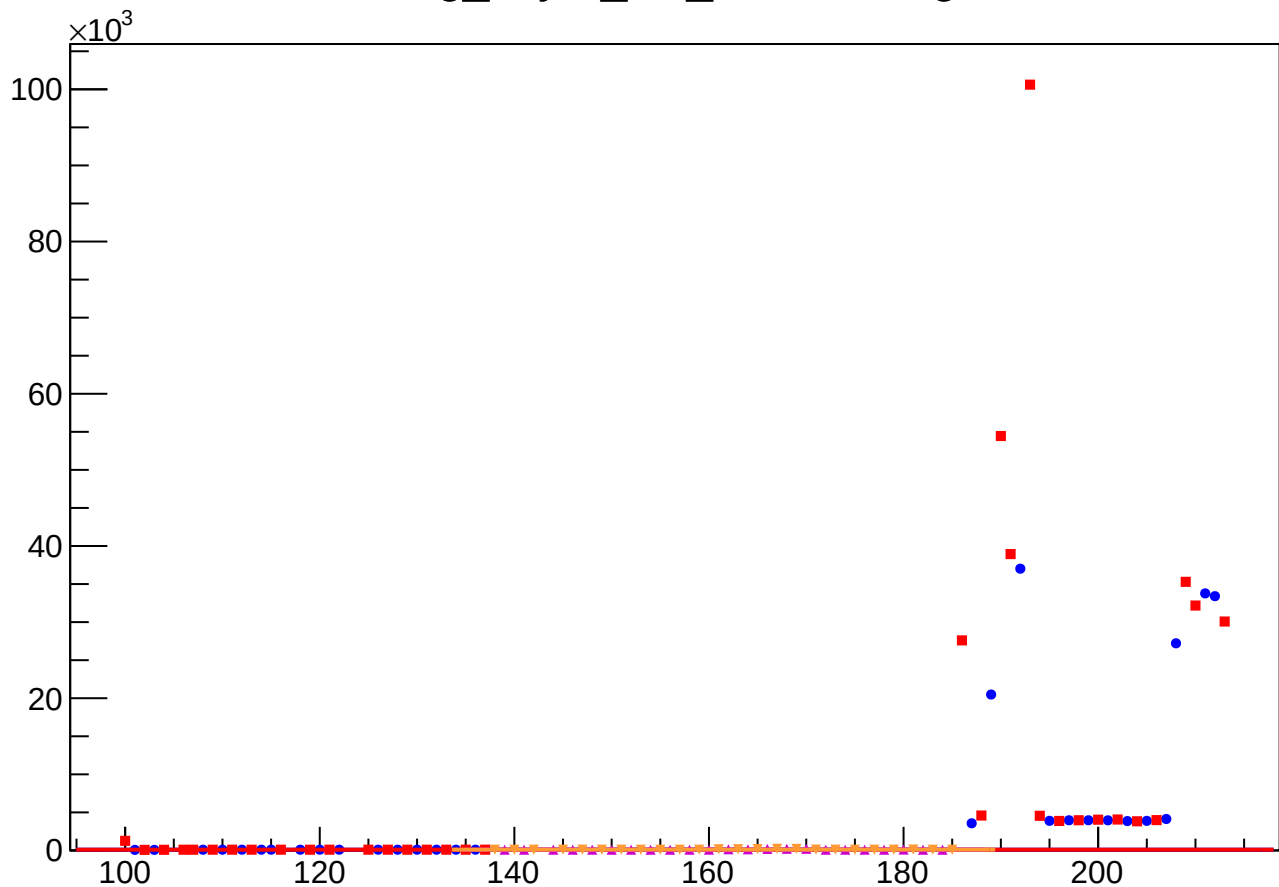
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.326 ± 21.368 χ^2/NDF : 68.8/52

All: -4.814 ± 15.124 χ^2/NDF : 127.1/108

- sign -17.003 ± 21.410 χ^2/NDF : 57.6/55

reg_asym_dsl_rms vs Slug



Right In: 96.092 $\pm$ 0.026 χ^2 /NDF: 15448268.9/28

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

Right Out: 98.293 $\pm$ 0.026 χ^2 /NDF: 15544339.4/32

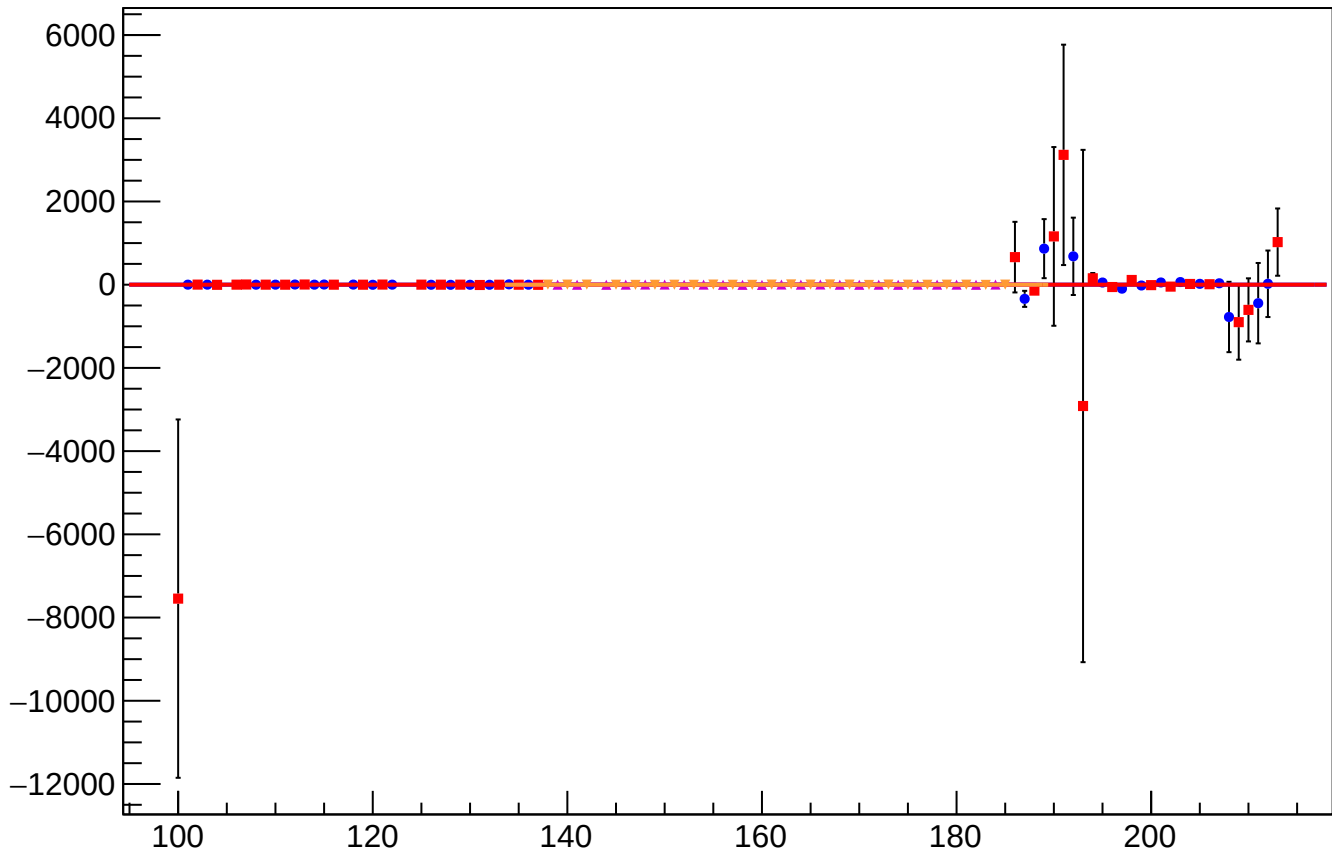
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF:1491034.7/22

+ sign 104.016 $\pm$ 0.015 χ^2 /NDF: 17023587.2/52

All: 104.252 $\pm$ 0.011 χ^2 /NDF: 34145518.3/10

- sign 104.488 $\pm$ 0.015 χ^2 /NDF: 17121443.8/55

asym_dsl_correction_mean vs Slug



Right In: 0.397 $\pm$ 0.617 χ^2 /NDF: 20.5/28

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

Right Out: 0.346 $\pm$ 0.644 χ^2 /NDF: 32.9/32

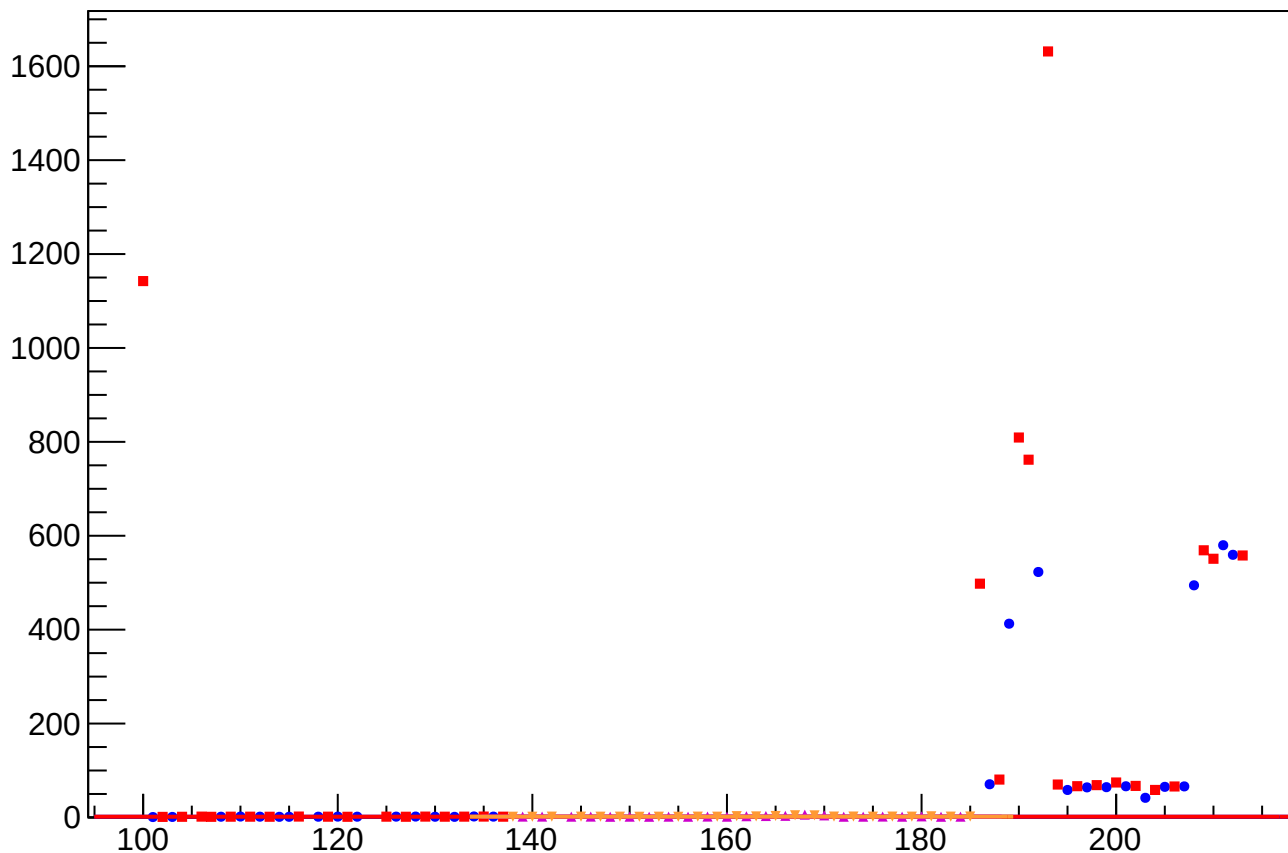
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF: 25.0/22

+ sign -0.188 $\pm$ 0.376 χ^2 /NDF: 52.4/52

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 110.9/108

- sign 0.168 $\pm$ 0.387 χ^2 /NDF: 58.0/55

asym_dsl_correction_rms vs Slug



Right In: 1.450+/-0.000 χ^2/NDF : 13459342.2/28

Left Out: 1.771+/-0.000 χ^2/NDF : 1599621.6/23

Right Out: 1.585+/-0.000 χ^2/NDF : 13730884.6/32

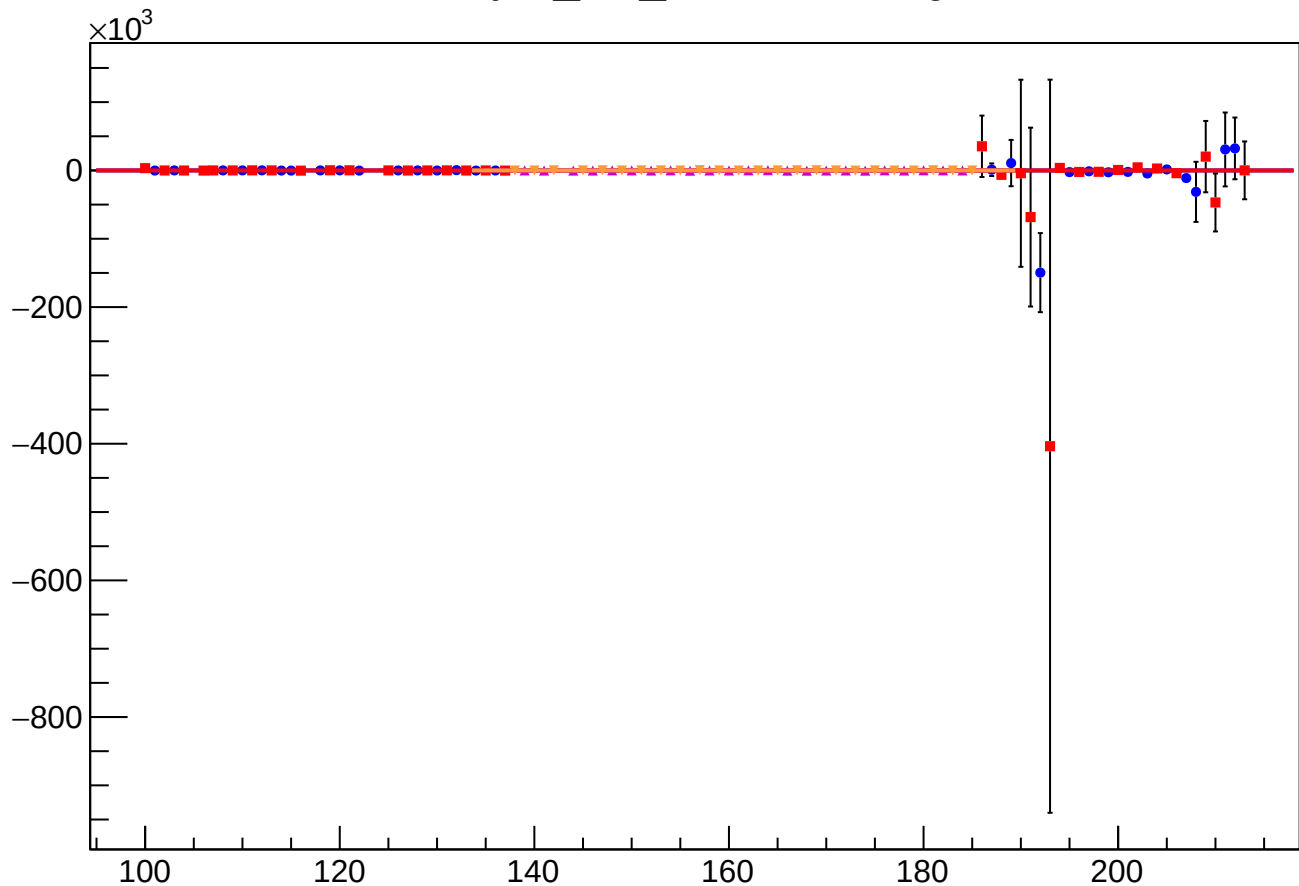
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.652+/-0.000 χ^2/NDF : 15398549.1/52

All: 1.687+/-0.000 χ^2/NDF : 31231602.6/108

- sign 1.724+/-0.000 χ^2/NDF : 15797470.6/55

asym_dsl_mean vs Slug



Right In: -2.056 ± 36.771 χ^2/NDF : 33.1/28

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

Right Out: -1.620 ± 36.757 χ^2/NDF : 20.3/32

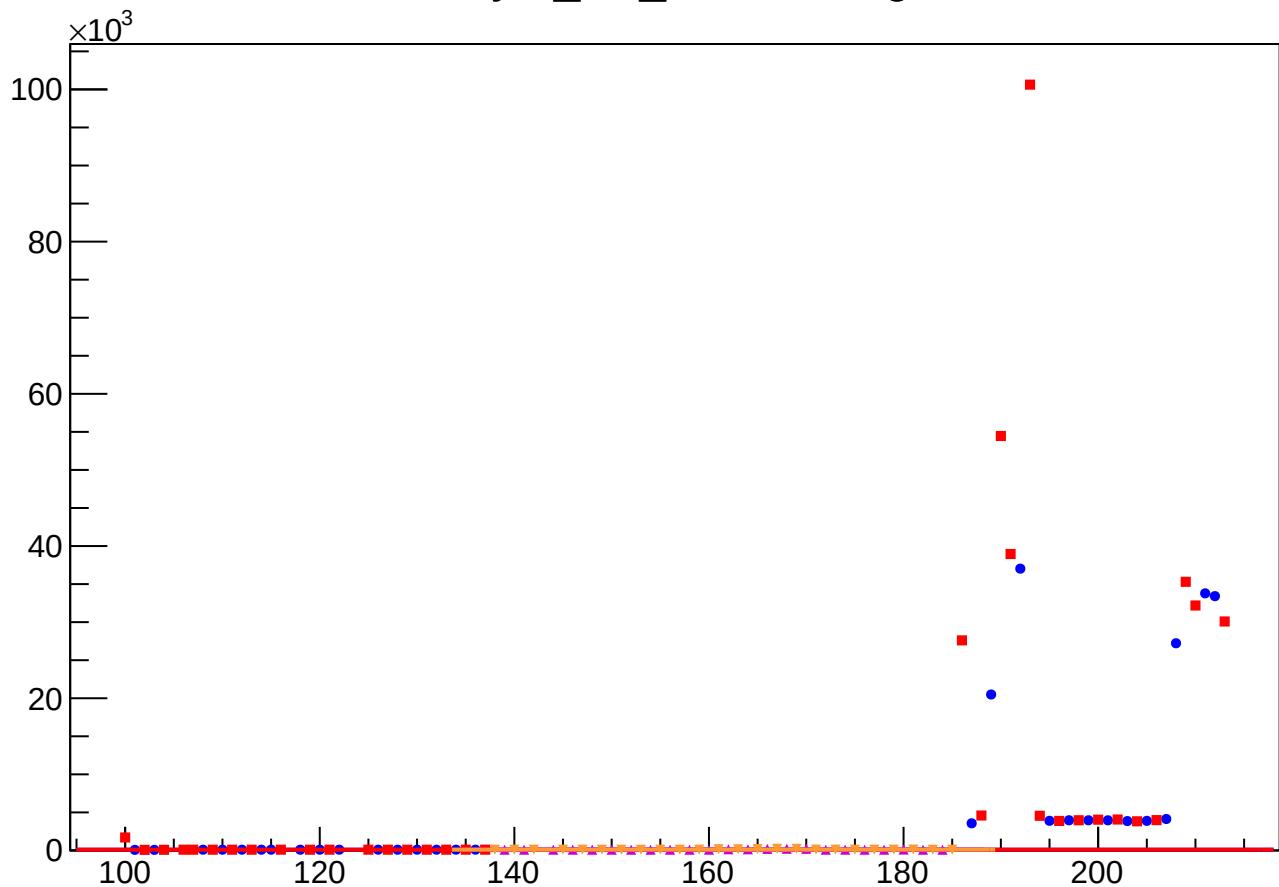
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.878 ± 21.374 χ^2/NDF : 69.0/52

All: -4.671 ± 15.129 χ^2/NDF : 125.9/108

- sign -17.269 ± 21.416 χ^2/NDF : 56.2/55

asym_dsl_rms vs Slug



Right In: 96.117 $\pm$ 0.026 χ^2 /NDF: 15448281.1/28

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

Right Out: 98.302 $\pm$ 0.026 χ^2 /NDF: 15549645.7/32

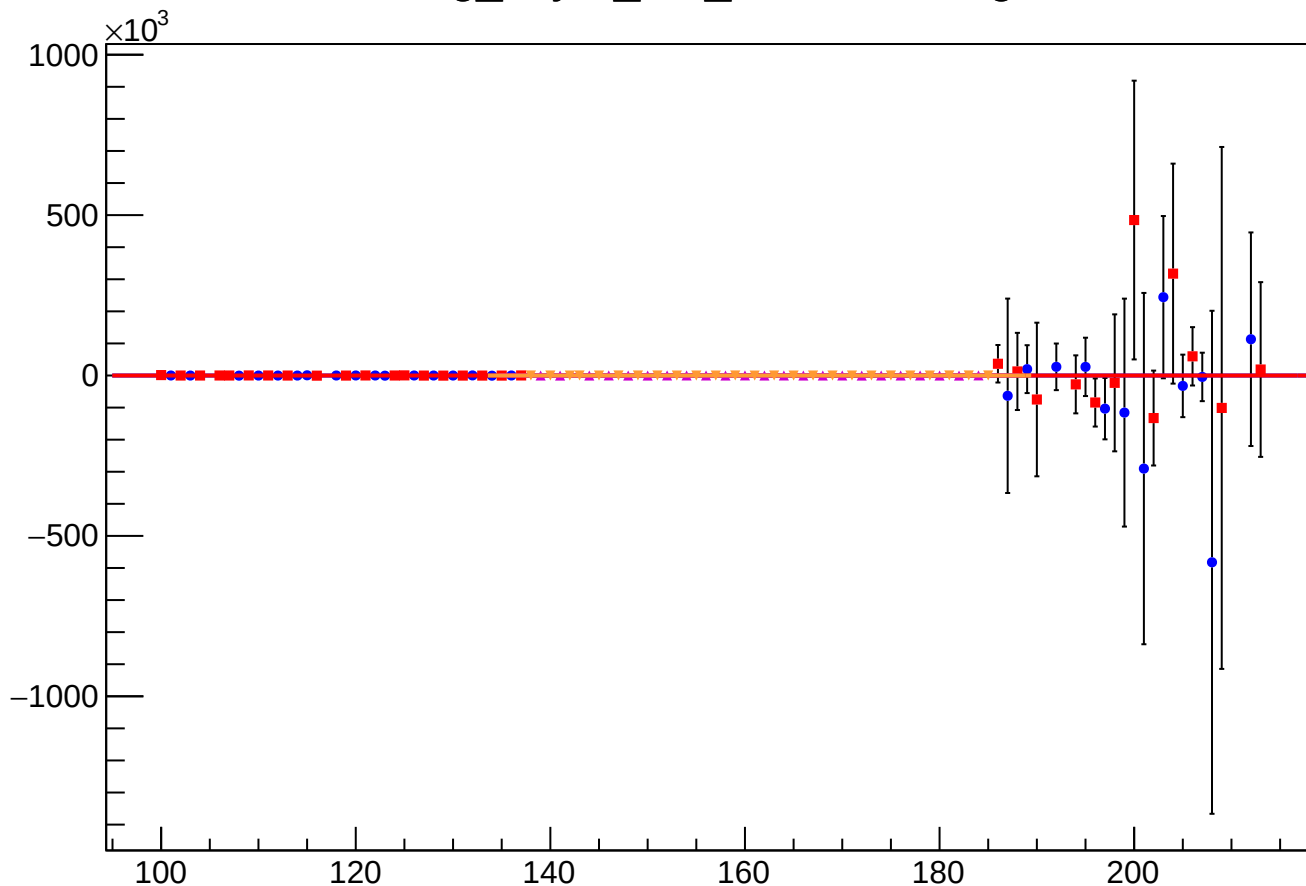
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.045 $\pm$ 0.015 χ^2 /NDF: 17025053.5/52

All: 104.278 $\pm$ 0.011 χ^2 /NDF: 34153927.7/10

- sign 104.512 $\pm$ 0.015 χ^2 /NDF: 17128397.7/55

reg_asym_dsr_mean vs Slug



Right In: -26.802 ± 46.841 χ^2/NDF : 18.0/28

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

Right Out: -53.389 ± 47.775 χ^2/NDF : 20.6/30

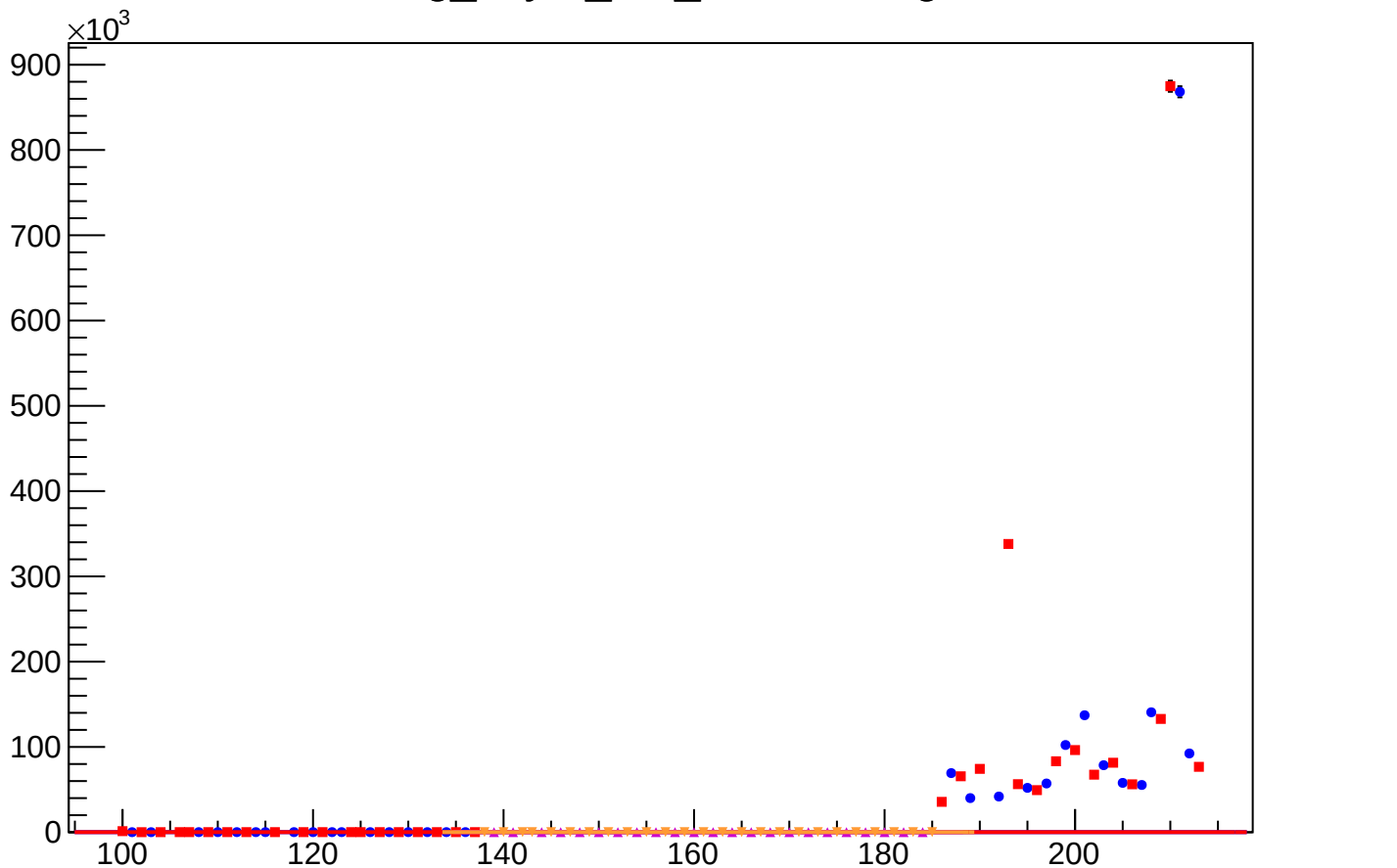
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.287 ± 26.458 χ^2/NDF : 30.1/53

All: 4.345 ± 18.939 χ^2/NDF : 75.6/107

- sign 27.075 ± 27.121 χ^2/NDF : 44.1/53

reg_asym_dsr_rms vs Slug



Right In: 117.880 $\pm$ 0.033 χ^2 /NDF: 6718331.2/29

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

Right Out: 124.841 $\pm$ 0.034 χ^2 /NDF: 6452371.0/32

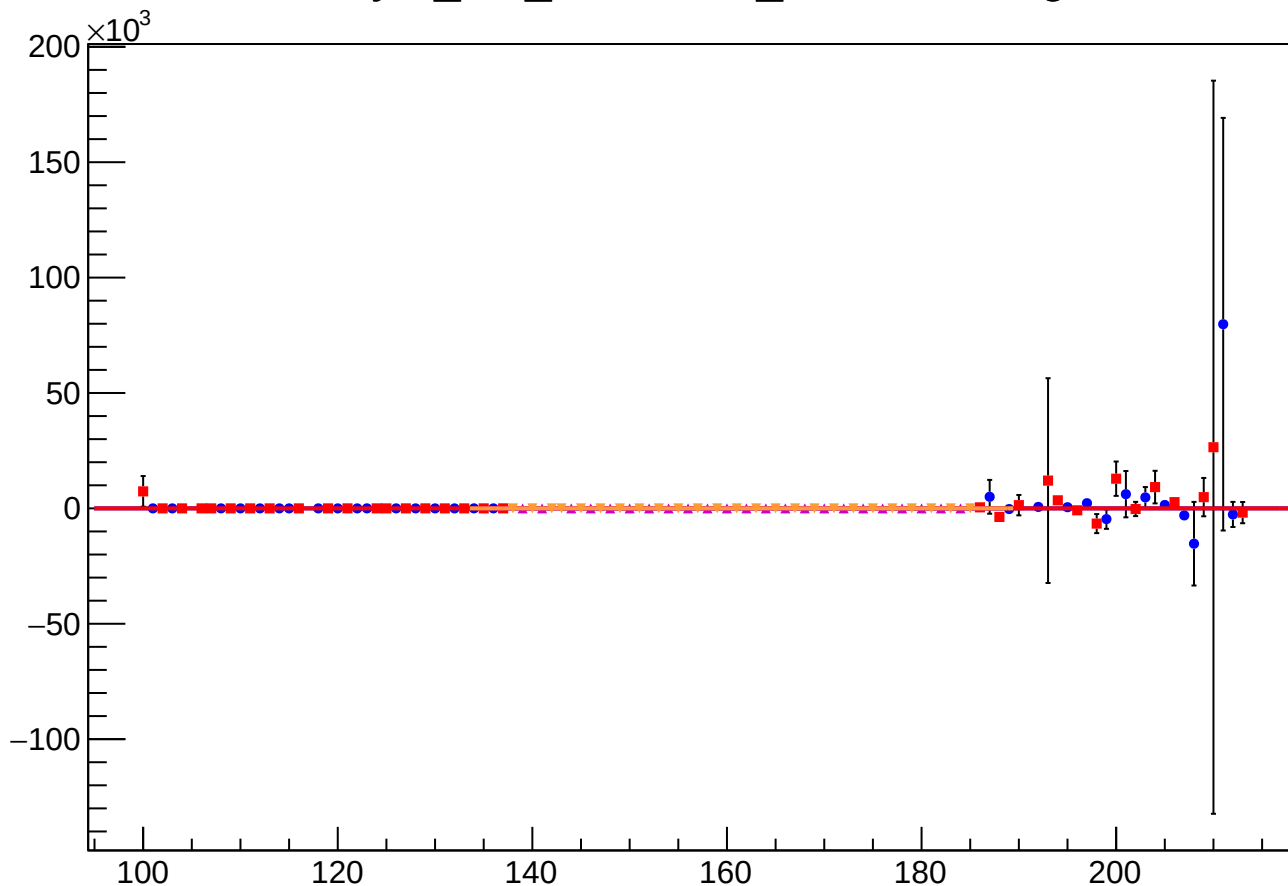
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.483 $\pm$ 0.019 χ^2 /NDF: 6966473.5/54

All: 132.528 $\pm$ 0.013 χ^2 /NDF: 13525512.8/135

- sign 133.627 $\pm$ 0.019 χ^2 /NDF: 6552637.1/55

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 25.0/29

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

Right Out: 0.639 ± 0.852 χ^2/NDF : 32.7/32

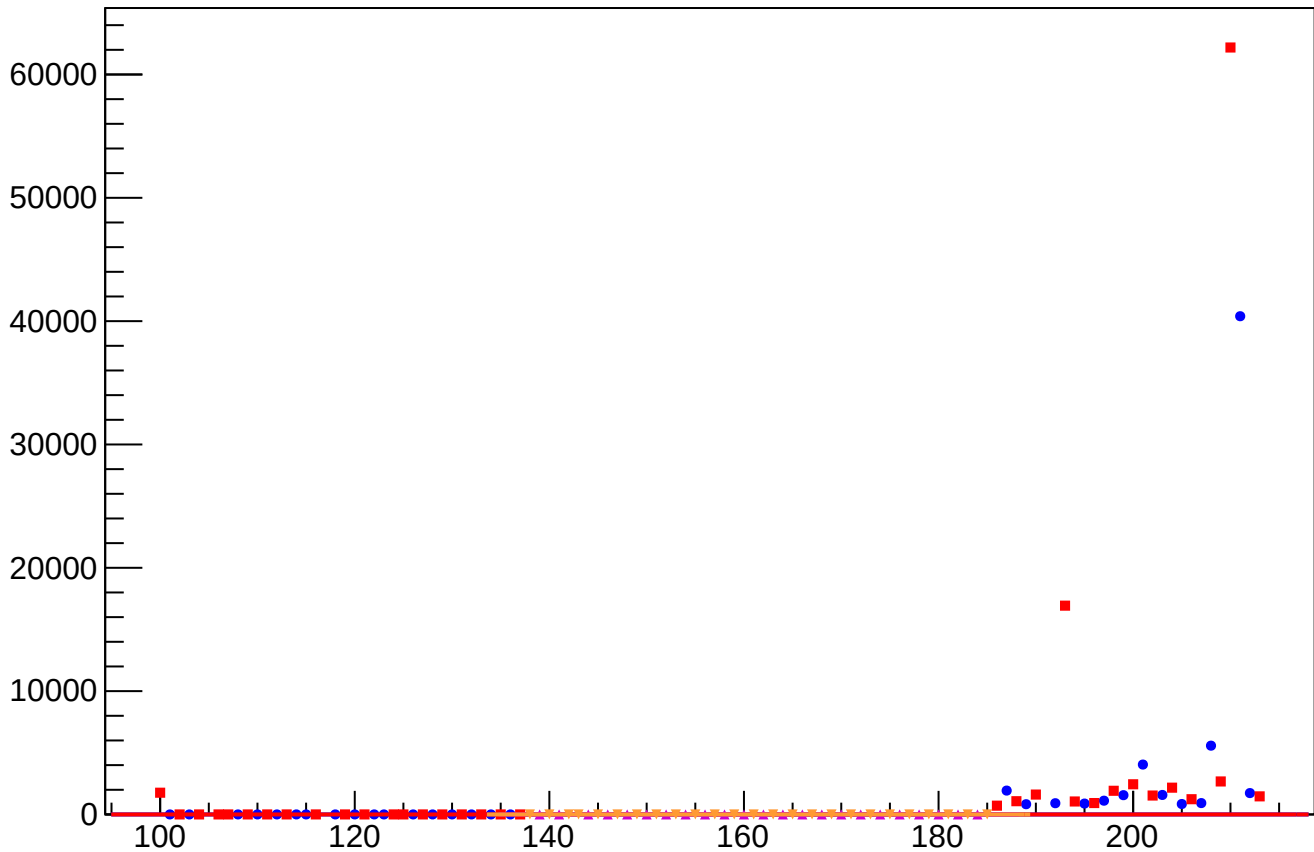
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 55.5/54

All: 0.046 ± 0.334 χ^2/NDF : 109.7/110

- sign 0.004 ± 0.479 χ^2/NDF : 54.2/55

asym_dsr_correction_rms vs Slug



Right In: 1.867 $\pm$ 0.001 χ^2 /NDF: 6427250.6/29

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

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 6790051.4/32

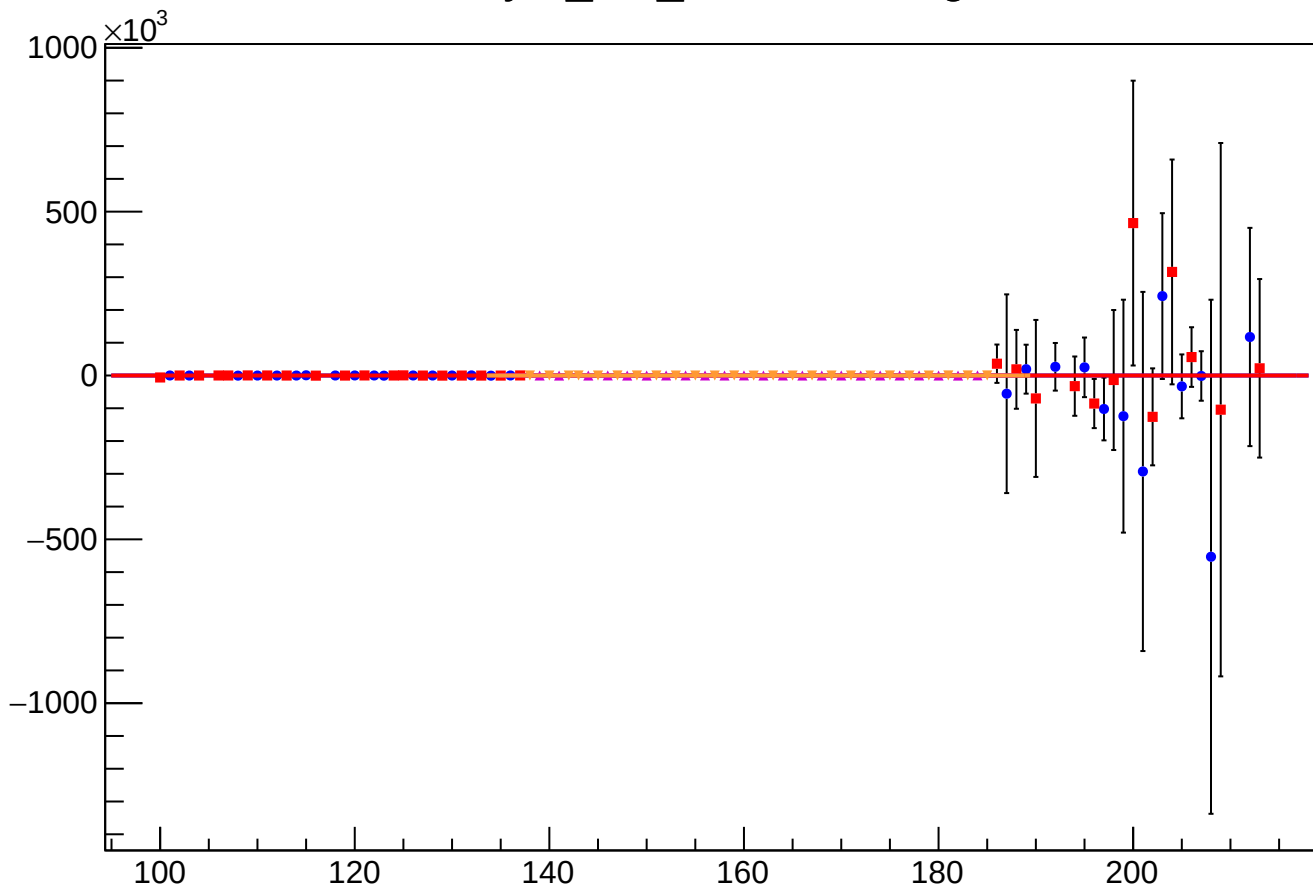
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 7119431.4/54

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 14453269.6/110

- sign 2.153 $\pm$ 0.000 χ^2 /NDF: 7331633.1/55

asym_dsr_mean vs Slug



Right In: -25.064 ± 46.854 $\chi^2/\text{NDF}: 18.0/28$

Left Out: -13.383 ± 32.072 $\chi^2/\text{NDF}: 11.8/24$

Right Out: -54.291 ± 47.789 $\chi^2/\text{NDF}: 21.1/30$

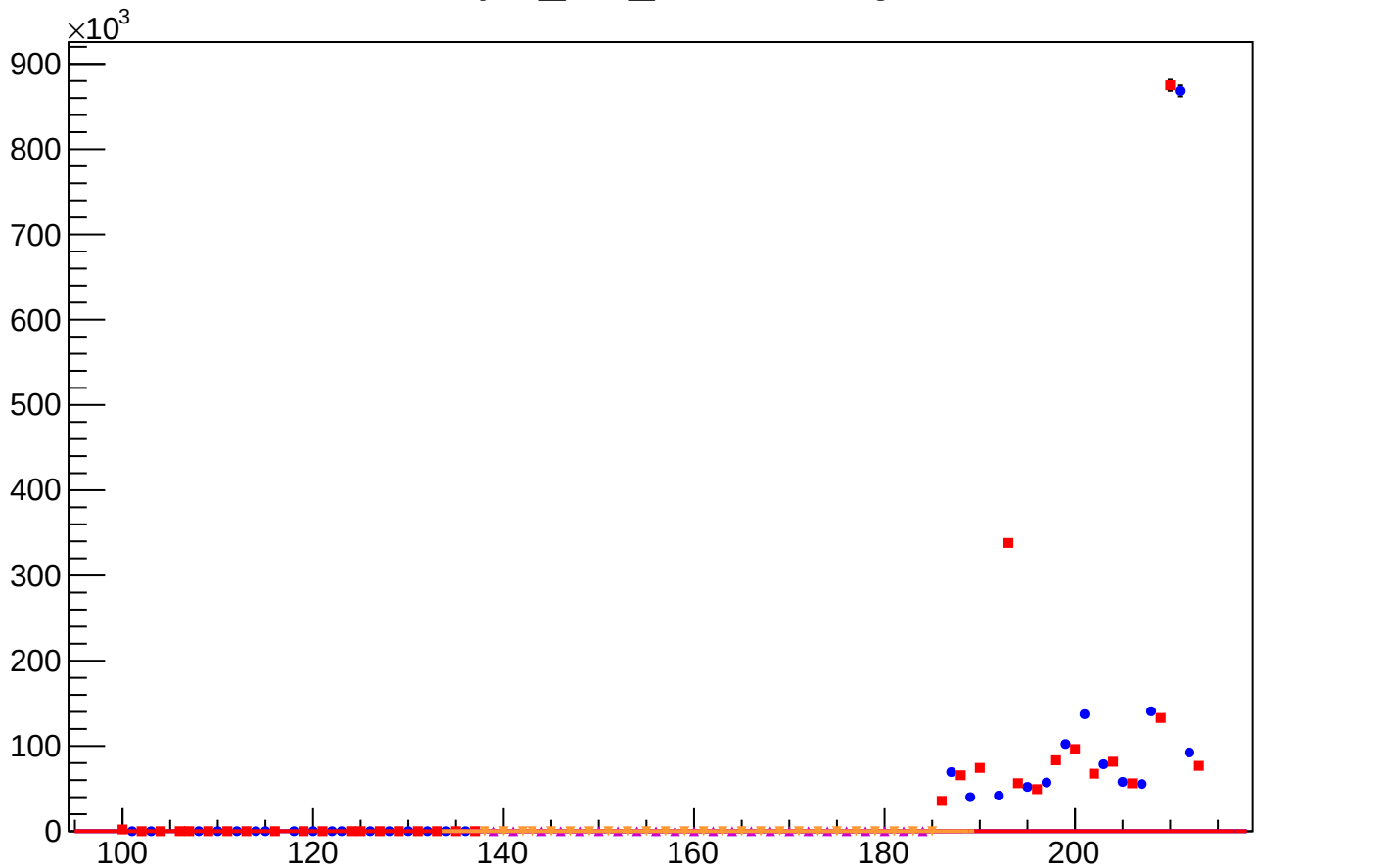
Left In: 65.231 ± 32.953 $\chi^2/\text{NDF}: 19.4/22$

+ sign -17.110 ± 26.465 $\chi^2/\text{NDF}: 29.8/53$

All: 4.260 ± 18.944 $\chi^2/\text{NDF}: 75.9/107$

- sign 26.714 ± 27.129 $\chi^2/\text{NDF}: 44.7/53$

asym_dsr_rms vs Slug



Right In: 117.912 $\pm$ 0.033 χ^2 /NDF: 6718475.9/29

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

Right Out: 124.830 $\pm$ 0.034 χ^2 /NDF: 6463039.9/32

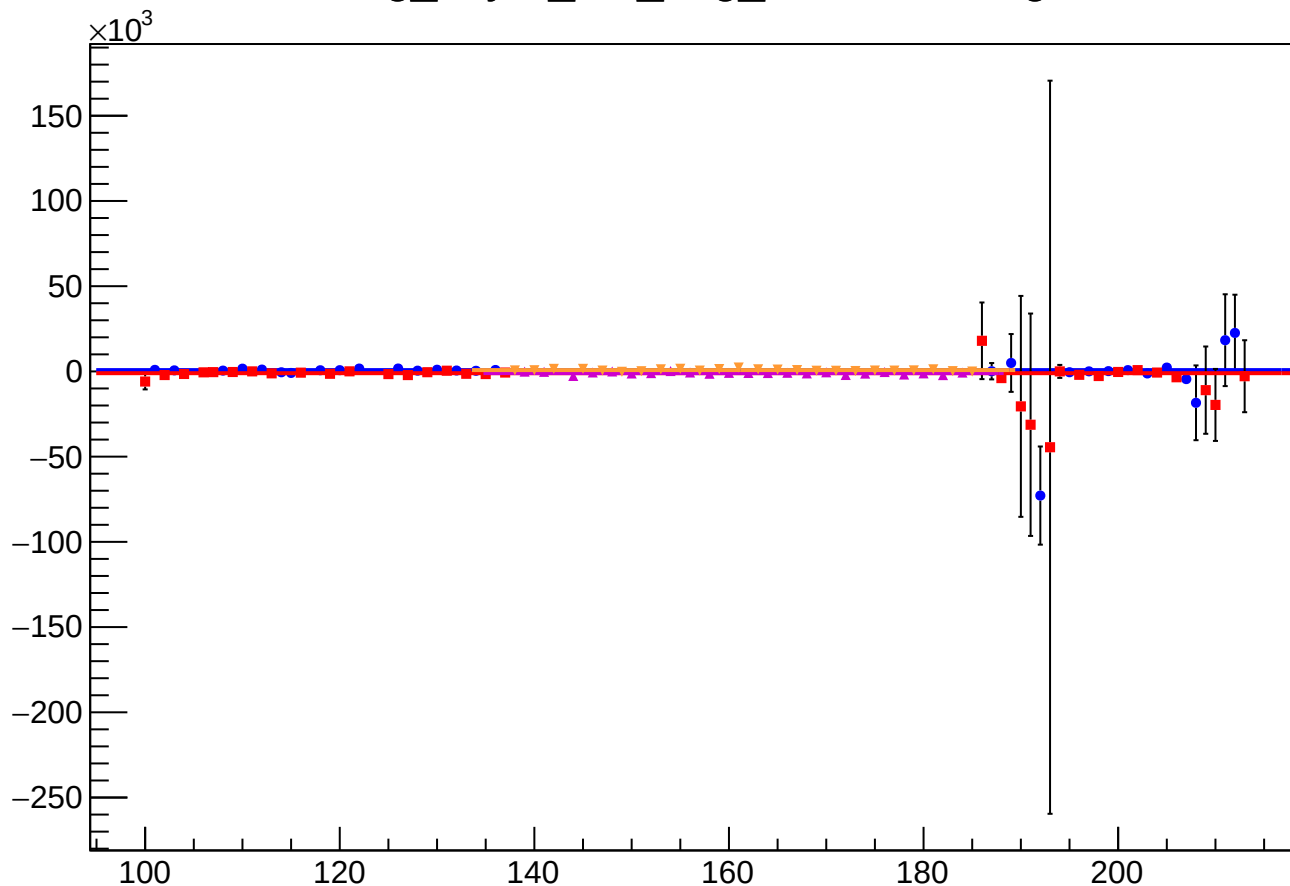
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.519 $\pm$ 0.019 χ^2 /NDF: 6966649.4/54

All: 132.558 $\pm$ 0.013 χ^2 /NDF: 13536981.5/11

- sign 133.649 $\pm$ 0.019 χ^2 /NDF: 6564014.0/55

reg_asym_left_avg_mean vs Slug



Right In: 768.826 $\pm$ 209.854 χ^2 /NDF: 21.0/28

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

Right Out: -1039.694 $\pm$ 207.265 χ^2 /NDF: 19.6/32

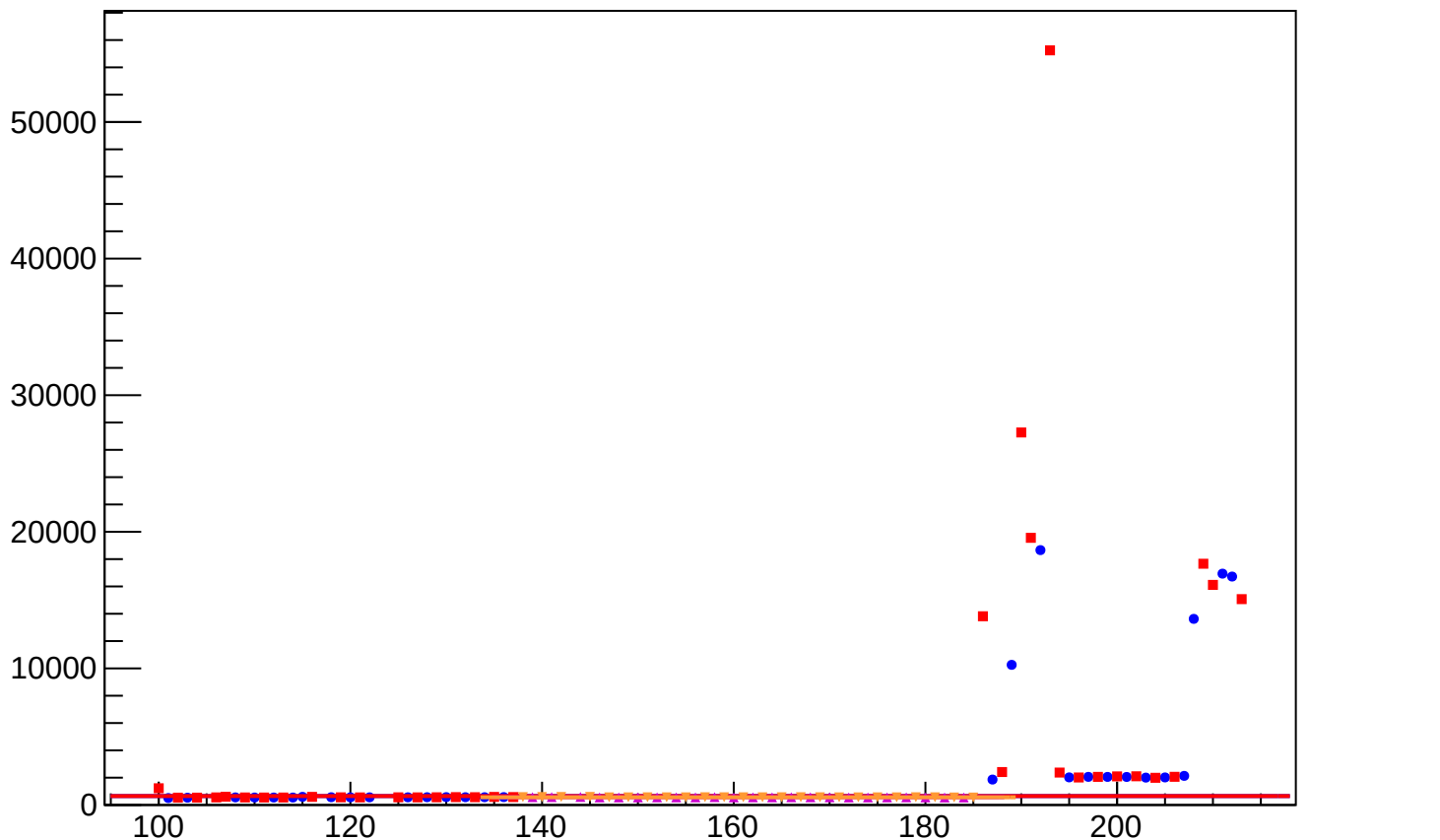
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF: 27.4/22

+ sign 779.866 $\pm$ 112.971 χ^2 /NDF: 40.2/52

All: -106.129 $\pm$ 79.921 χ^2 /NDF: 210.5/108

- sign -993.837 $\pm$ 113.081 χ^2 /NDF: 47.2/55

reg_asym_left_avg_rms vs Slug



Right In: 654.215+/-0.148 χ^2/NDF : 9694029.2/28

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

Right Out: 653.033+/-0.147 χ^2/NDF : 10077201.2/32

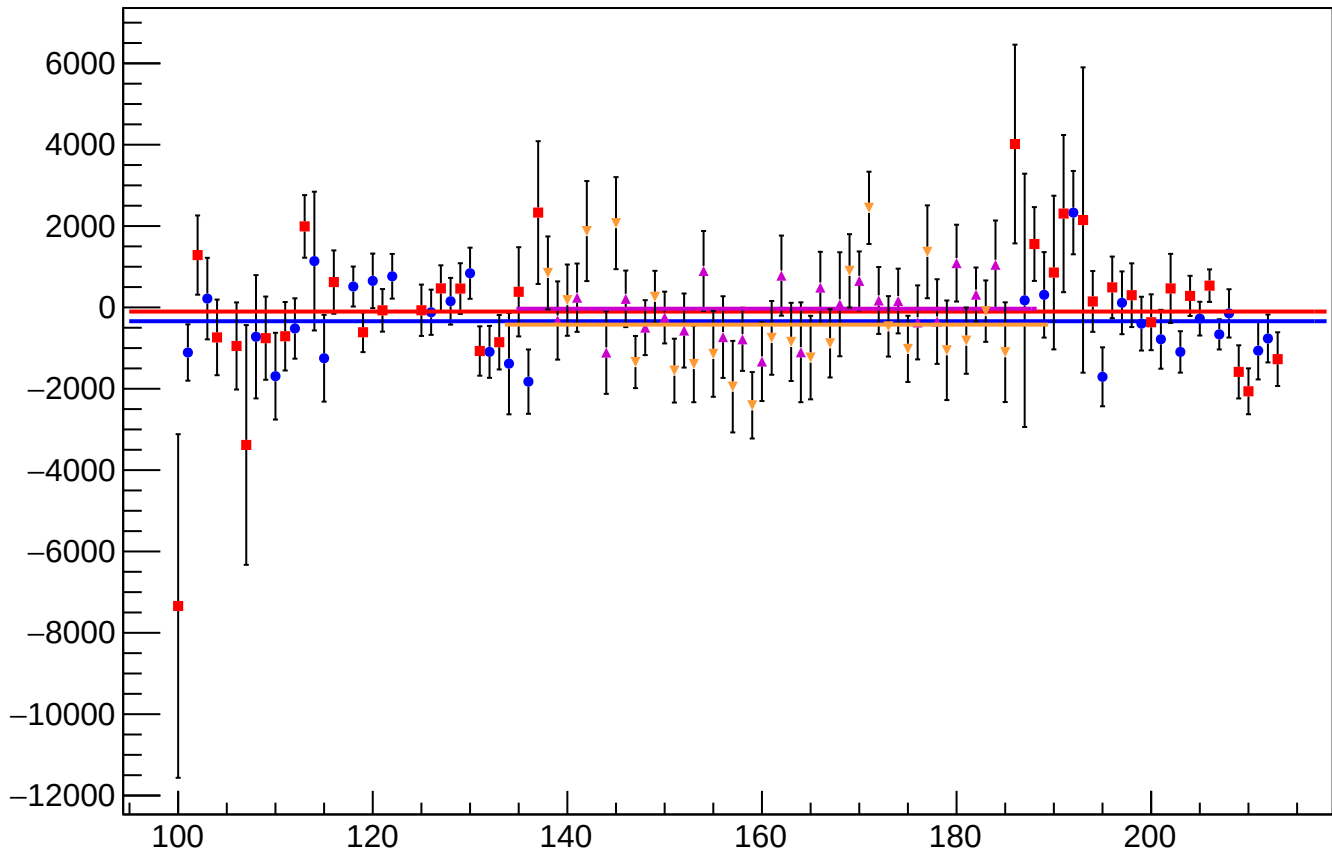
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 590.246+/-0.080 χ^2/NDF : 9965289.6/52

All: 590.508+/-0.057 χ^2/NDF : 20308691.8/10

- sign 590.771+/-0.080 χ^2/NDF : 10343380.7/55

asym_left_avg_correction_mean vs Slug



Right In: -339.667 ± 124.040 χ^2/NDF : 40.1/28

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

Right Out: -102.095 ± 129.210 χ^2/NDF : 58.8/32

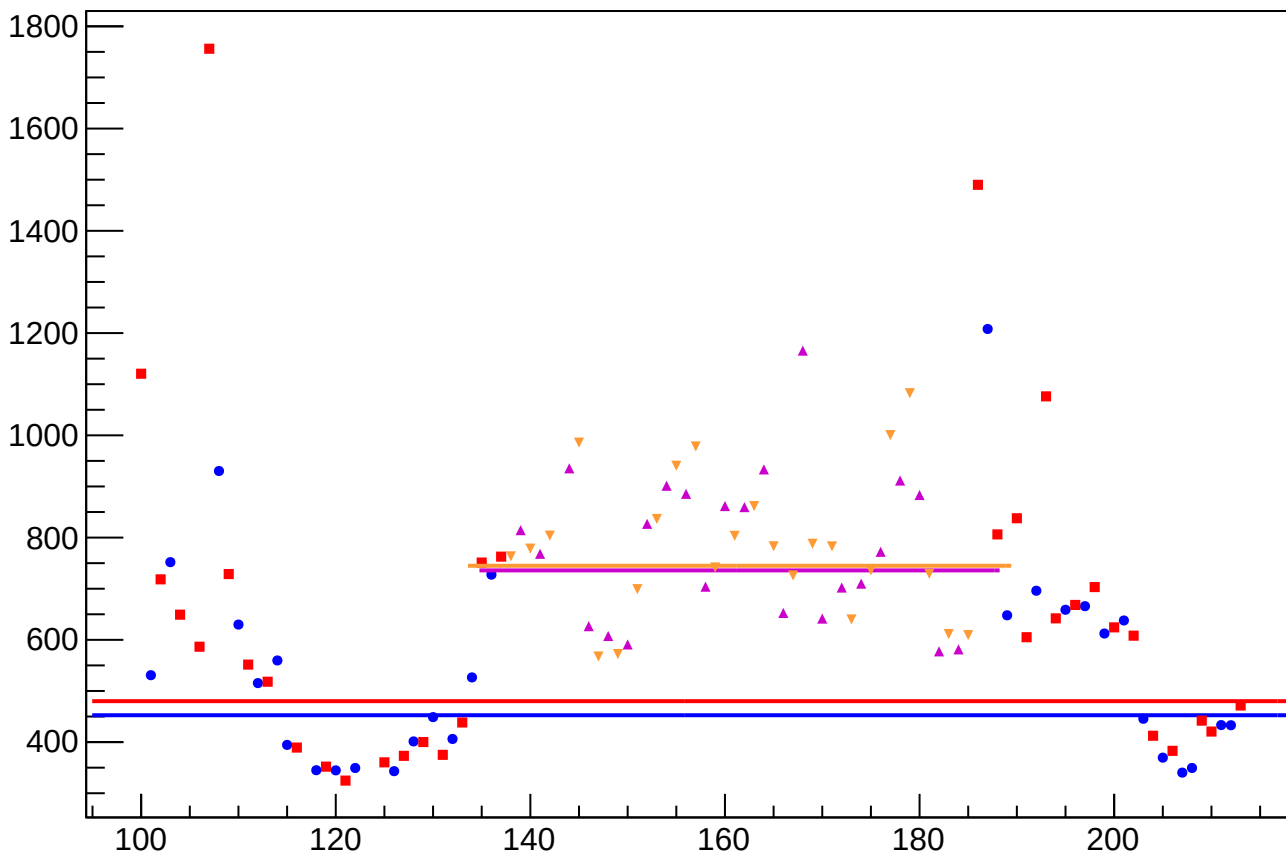
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -366.273 ± 102.248 χ^2/NDF : 83.5/52

All: -225.907 ± 73.204 χ^2/NDF : 158.5/108

- sign -78.299 ± 104.853 χ^2/NDF : 71.1/55

asym_left_avg_correction_rms vs Slug



Right In: 452.550 $\pm$ 0.088 χ^2 /NDF: 2246979.8/28

Left Out: 744.909 $\pm$ 0.128 χ^2 /NDF:1008847.7/23

Right Out: 480.057 $\pm$ 0.091 χ^2 /NDF: 2952109.2/32

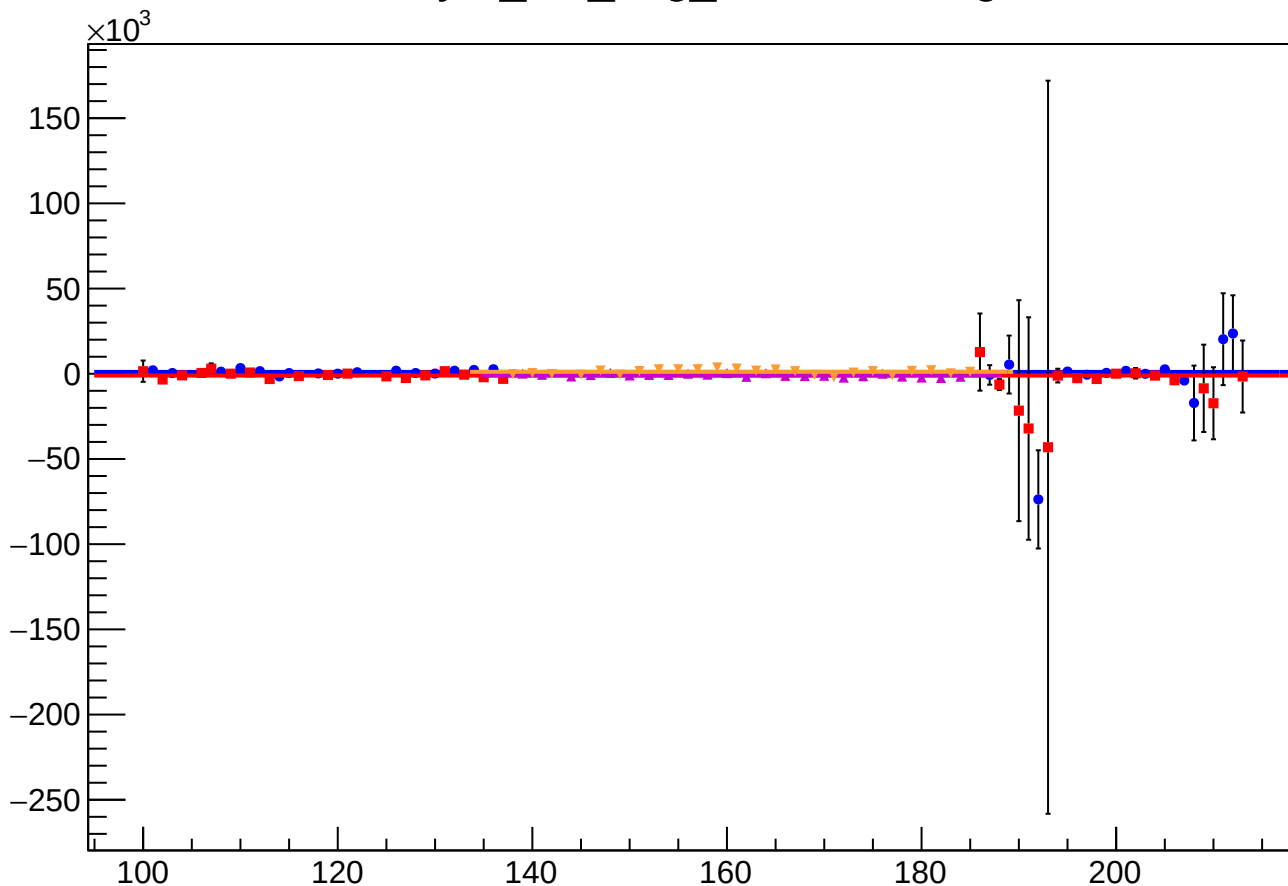
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 546.252 $\pm$ 0.072 χ^2 /NDF: 6816799.6/52

All: 556.563 $\pm$ 0.052 χ^2 /NDF: 13592636.6/10

- sign 567.406 $\pm$ 0.074 χ^2 /NDF: 6734110.1/55

asym_left_avg_mean vs Slug



Right In: 1094.500 ± 280.591 χ^2/NDF : 26.8/28

Left Out: 1137.936 ± 228.834 χ^2/NDF : 38.9/23

Right Out: -1063.009 ± 280.349 χ^2/NDF : 30.4/32

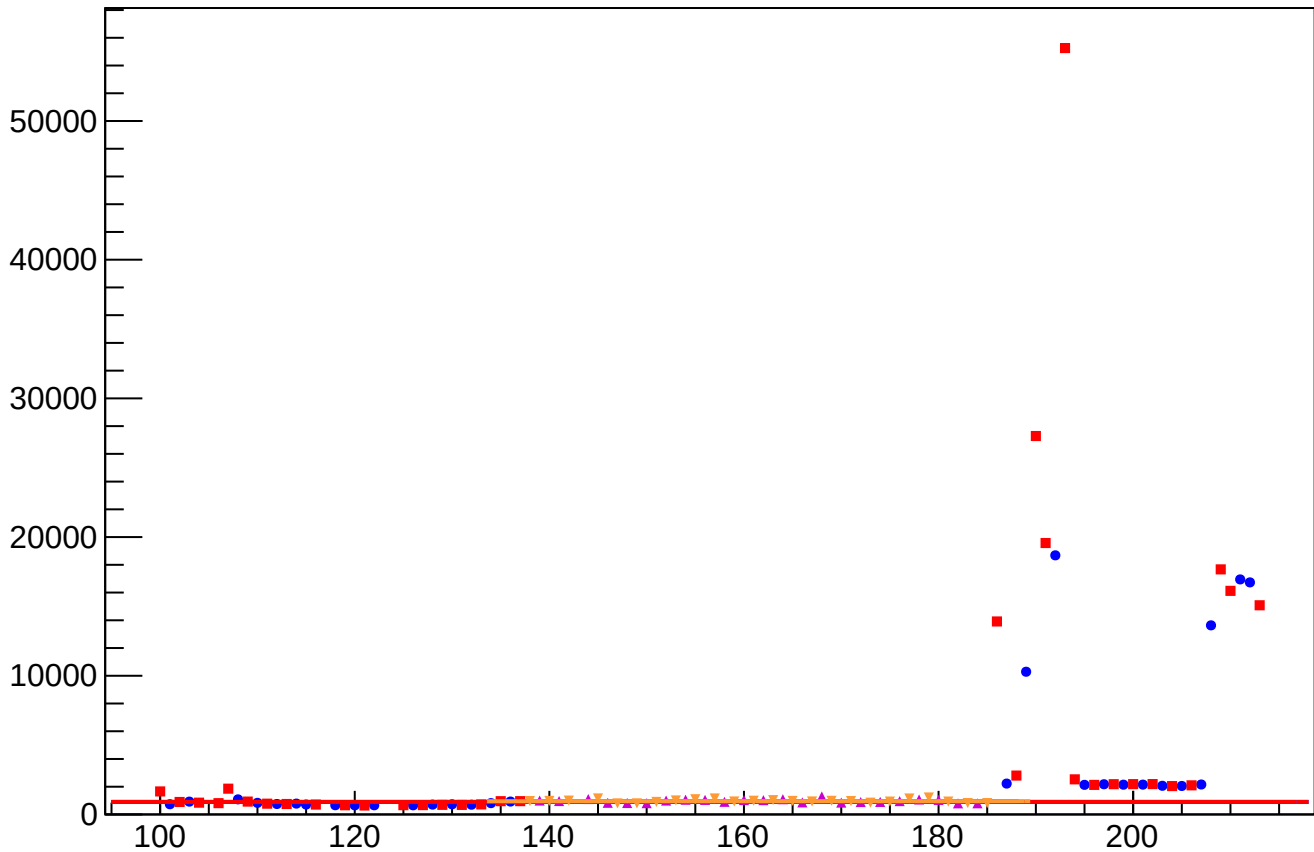
Left In: -941.702 ± 228.324 χ^2/NDF : 14.8/22

+ sign 1120.586 ± 177.337 χ^2/NDF : 65.7/52

All: 63.475 ± 125.290 χ^2/NDF : 182.0/108

- sign -990.077 ± 177.038 χ^2/NDF : 45.3/55

asym_left_avg_rms vs Slug



Right In: 903.572+/-0.198 χ^2/NDF : 8376697.8/28

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

Right Out: 904.960+/-0.198 χ^2/NDF : 9140725.7/32

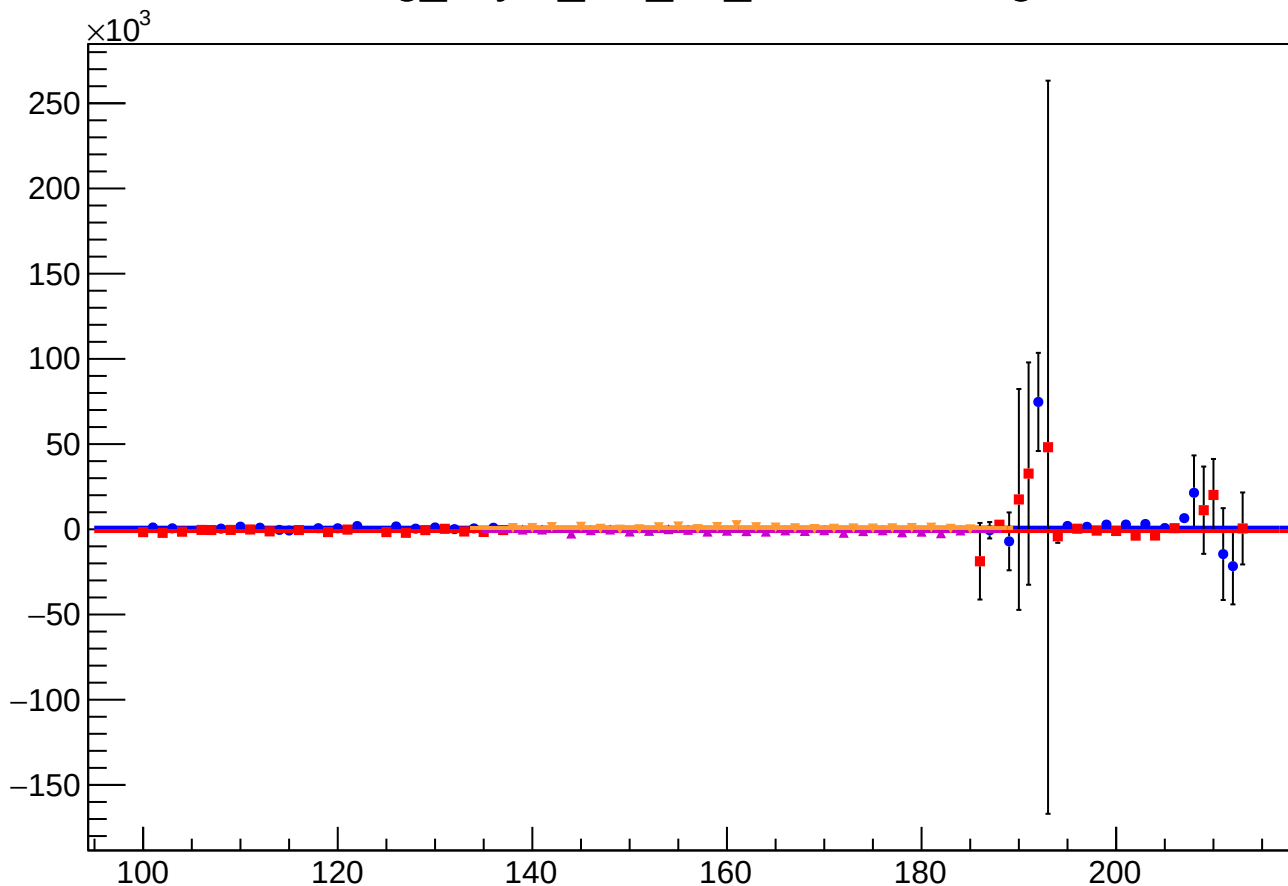
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 934.057+/-0.125 χ^2/NDF : 8876156.2/52

All: 932.014+/-0.089 χ^2/NDF : 18545270.3/10

- sign 929.978+/-0.125 χ^2/NDF : 9668584.2/55

reg_asym_left_dd_mean vs Slug



Right In: 957.575 $\pm$ 209.723 χ^2 /NDF: 23.7/28

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

Right Out: -1015.144 $\pm$ 202.652 χ^2 /NDF: 20.1/32

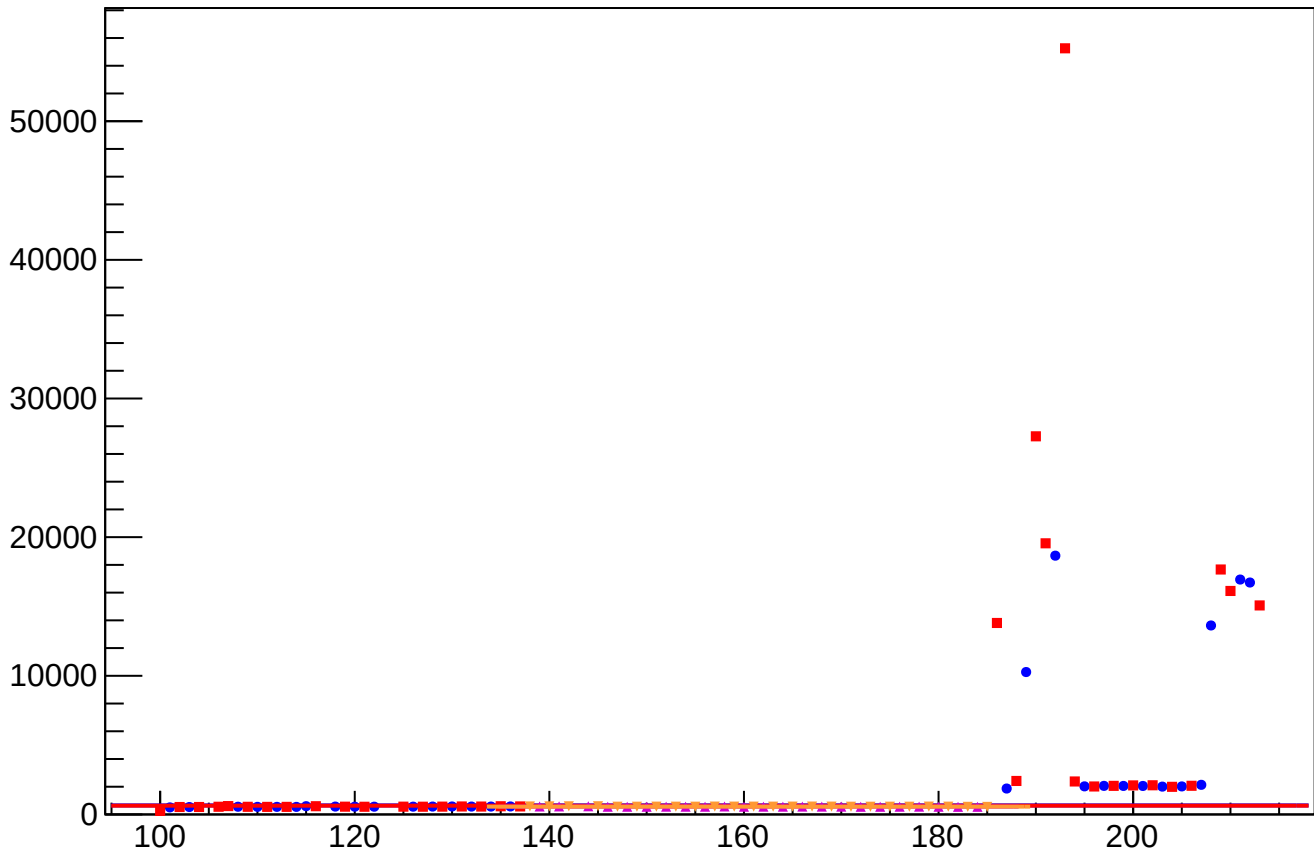
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

+ sign 815.566 $\pm$ 112.884 χ^2 /NDF: 45.3/52

All: -85.197 $\pm$ 79.597 χ^2 /NDF: 218.9/108

- sign -975.891 $\pm$ 112.252 χ^2 /NDF: 47.0/55

reg_asym_left_dd_rms vs Slug



Right In: 653.587 $\pm$ 0.148 χ^2 /NDF: 9707572.5/28

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

Right Out: 633.533 $\pm$ 0.143 χ^2 /NDF: 10386218.2/32

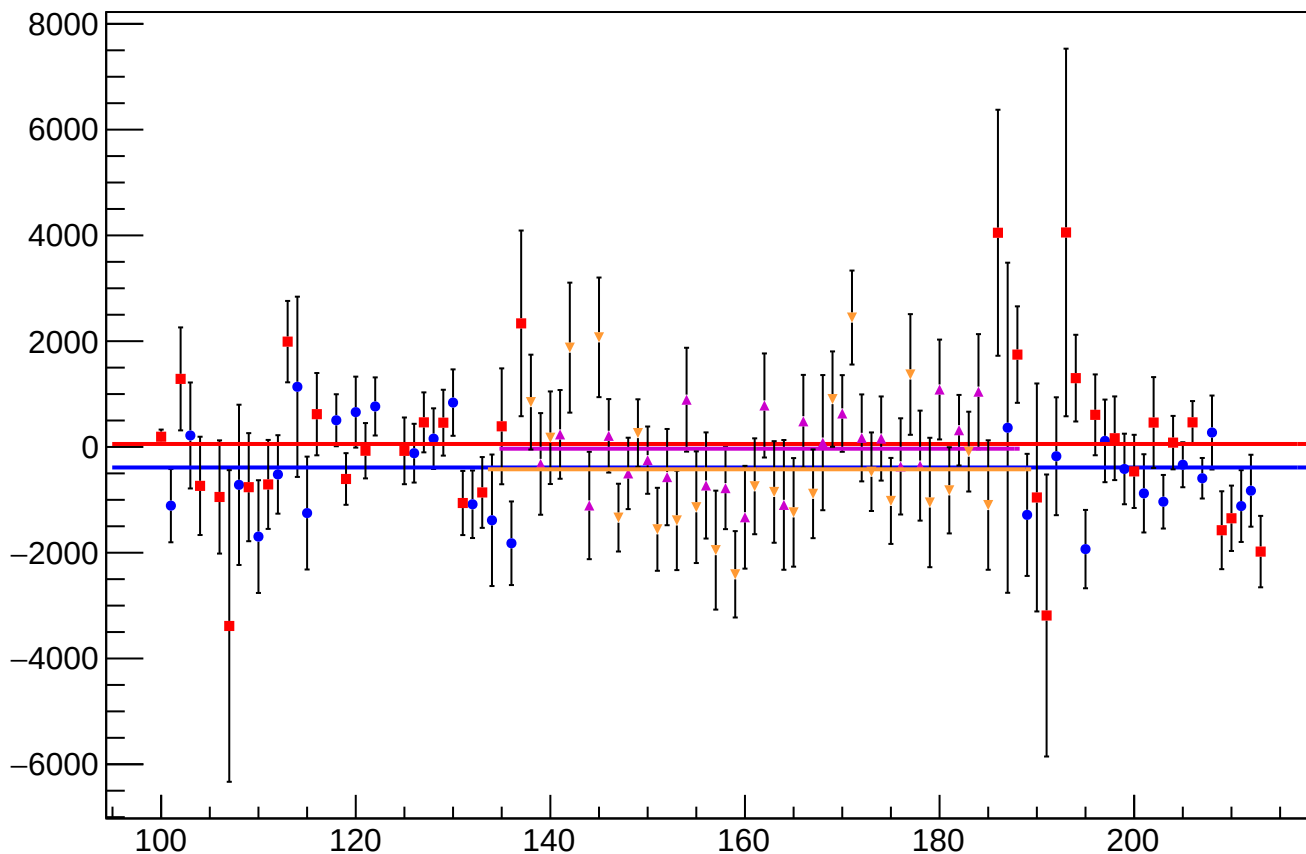
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

+ sign 589.724 $\pm$ 0.080 χ^2 /NDF: 9978216.1/52

All: 587.494 $\pm$ 0.056 χ^2 /NDF: 20538715.6/10

- sign 585.288 $\pm$ 0.079 χ^2 /NDF: 10558947.0/55

asym_left_dd_correction_mean vs Slug



Right In: -388.179 ± 126.569 χ^2/NDF : 35.0/28

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

Right Out: 56.183 ± 94.165 χ^2/NDF : 57.1/32

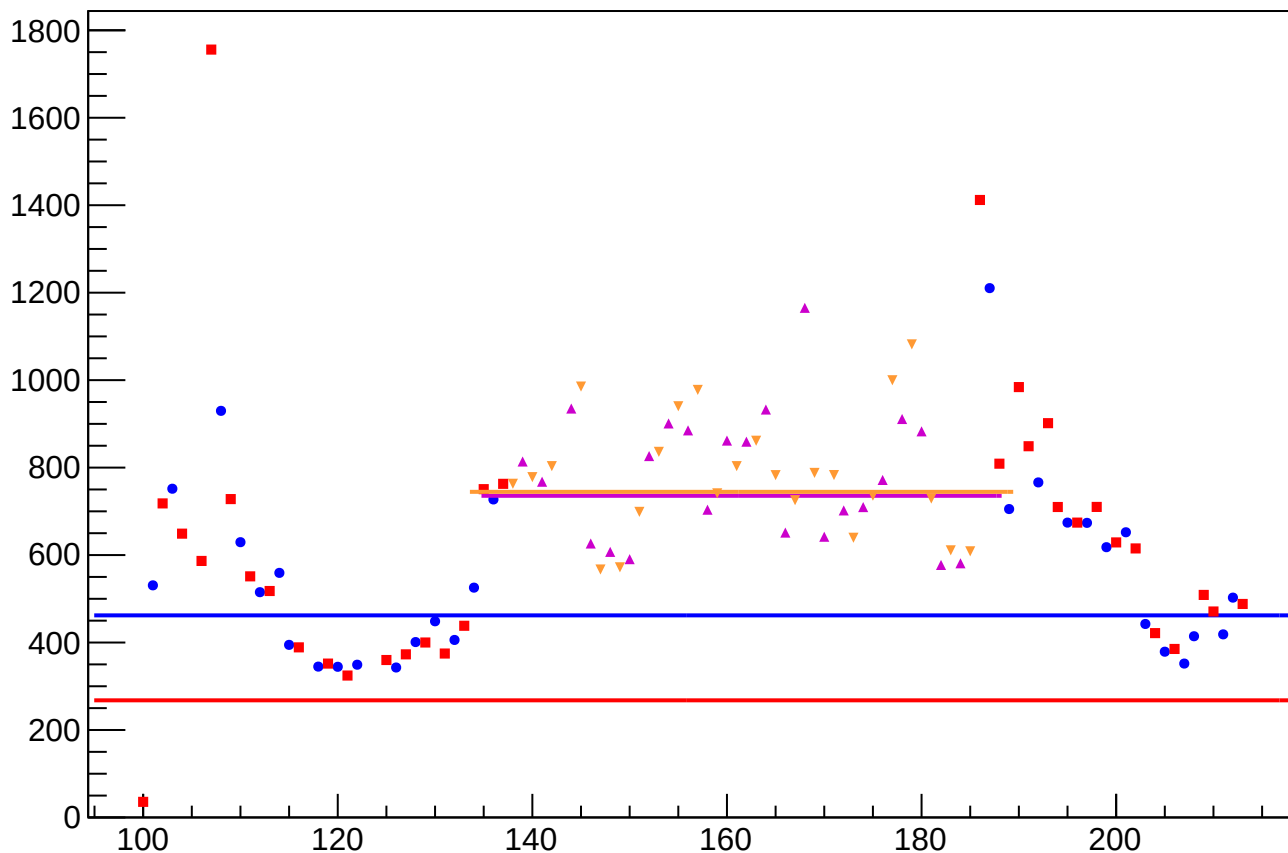
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -399.431 ± 103.636 χ^2/NDF : 78.3/52

All: -134.571 ± 64.961 χ^2/NDF : 158.4/108

- sign 36.842 ± 83.373 χ^2/NDF : 69.4/55

asym_left_dd_correction_rms vs Slug



Right In: 462.107+/-0.089 χ^2/NDF : 2245668.3/28

Left Out: 744.597+/-0.128 χ^2/NDF : 1009604.0/23

Right Out: 267.832+/-0.067 χ^2/NDF : 14497605.3/32

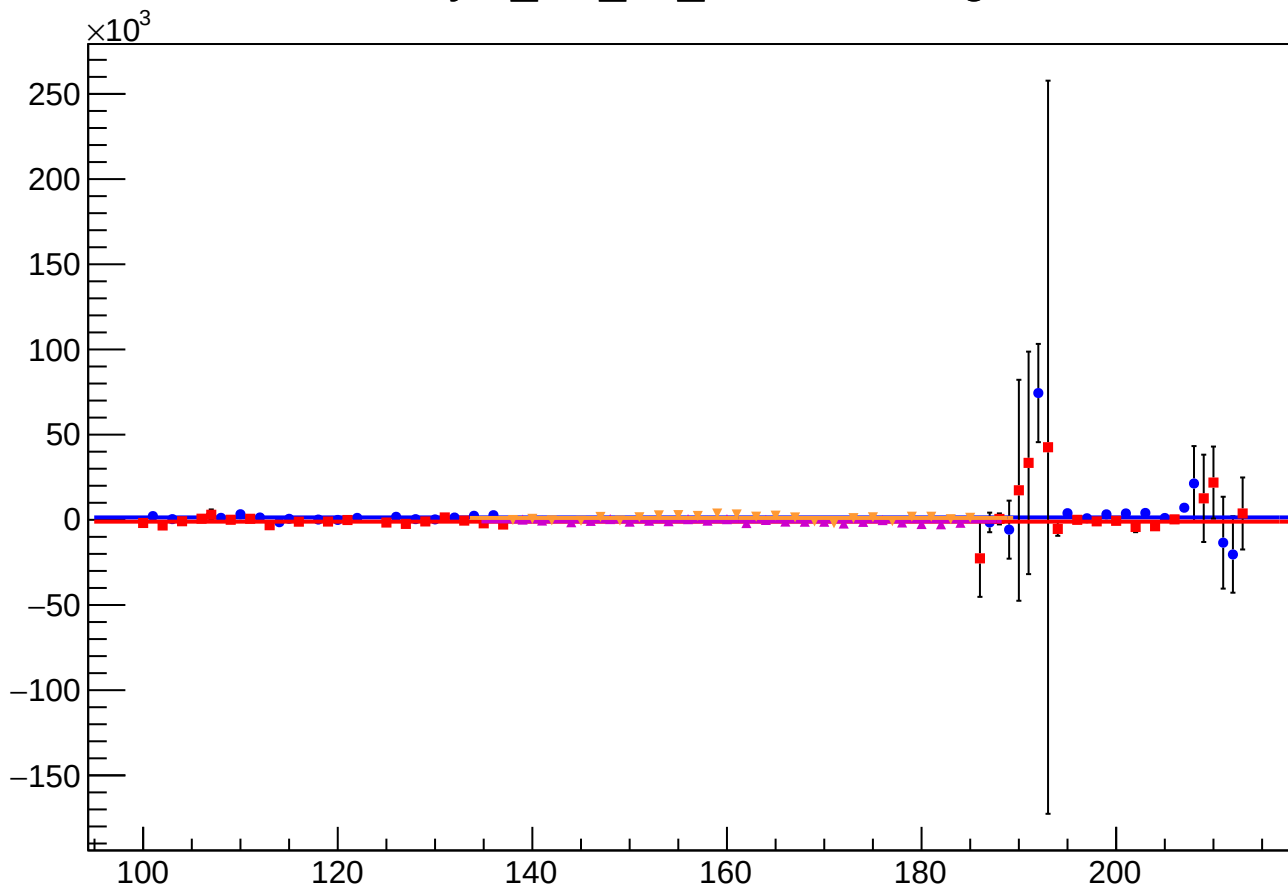
Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

+ sign 555.200+/-0.073 χ^2/NDF : 6538499.8/52

All: 442.096+/-0.046 χ^2/NDF : 36726847.0/10

- sign 368.897+/-0.059 χ^2/NDF : 26264527.8/55

asym_left_dd_mean vs Slug



Right In: 1407.555+/-280.495 χ^2/NDF : 31.0/28

Left Out: 1105.144+/-228.700 χ^2/NDF : 38.3/23

Right Out: -1069.537+/-269.454 χ^2/NDF : 29.5/32

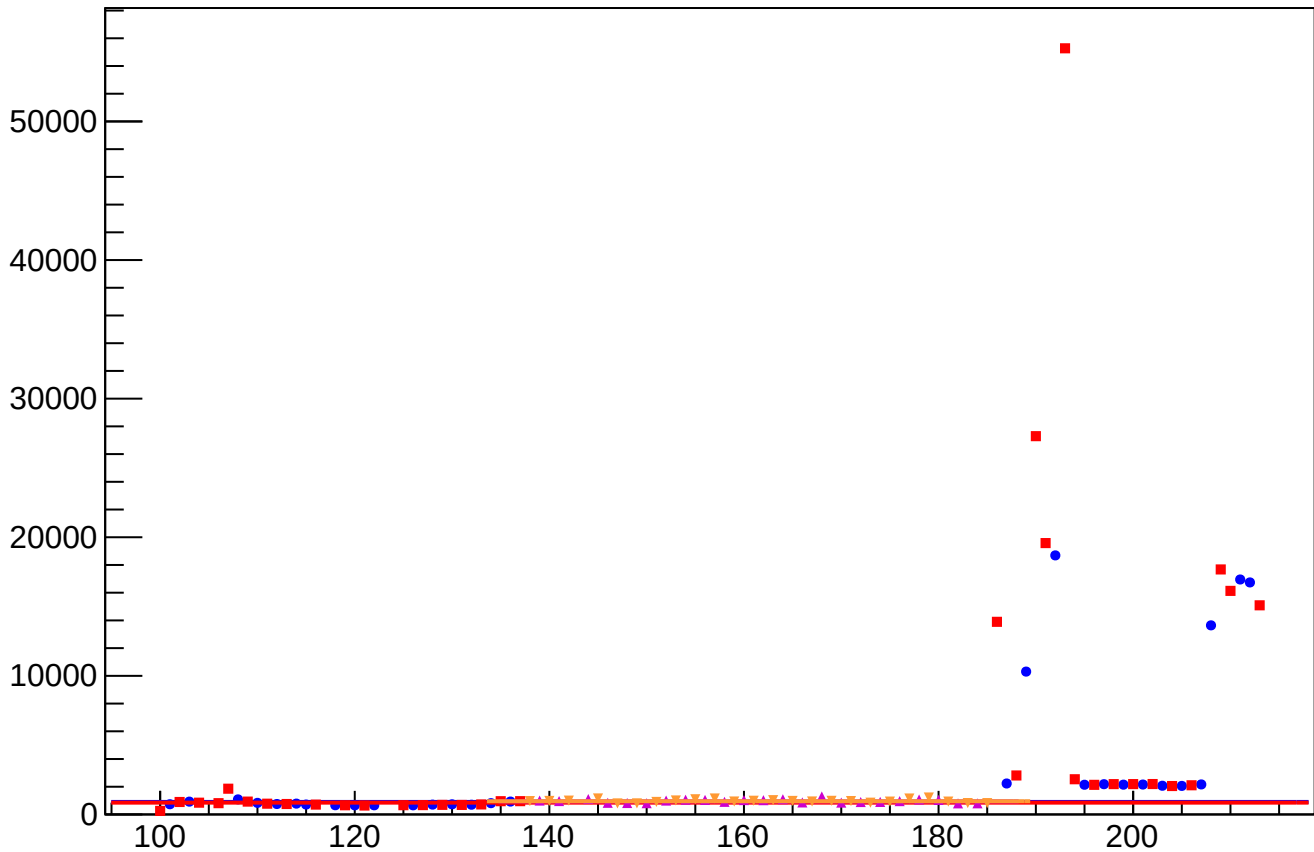
Left In: -926.281+/-228.196 χ^2/NDF : 15.1/22

+ sign 1225.904+/-177.250 χ^2/NDF : 69.9/52

All: 100.313+/-124.220 χ^2/NDF : 194.0/108

- sign -986.113+/-174.139 χ^2/NDF : 44.8/55

asym_left_dd_rms vs Slug



Right In: 902.829+/-0.198 χ^2/NDF : 8396938.6/28

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

Right Out: 852.774+/-0.191 χ^2/NDF : 9950654.1/32

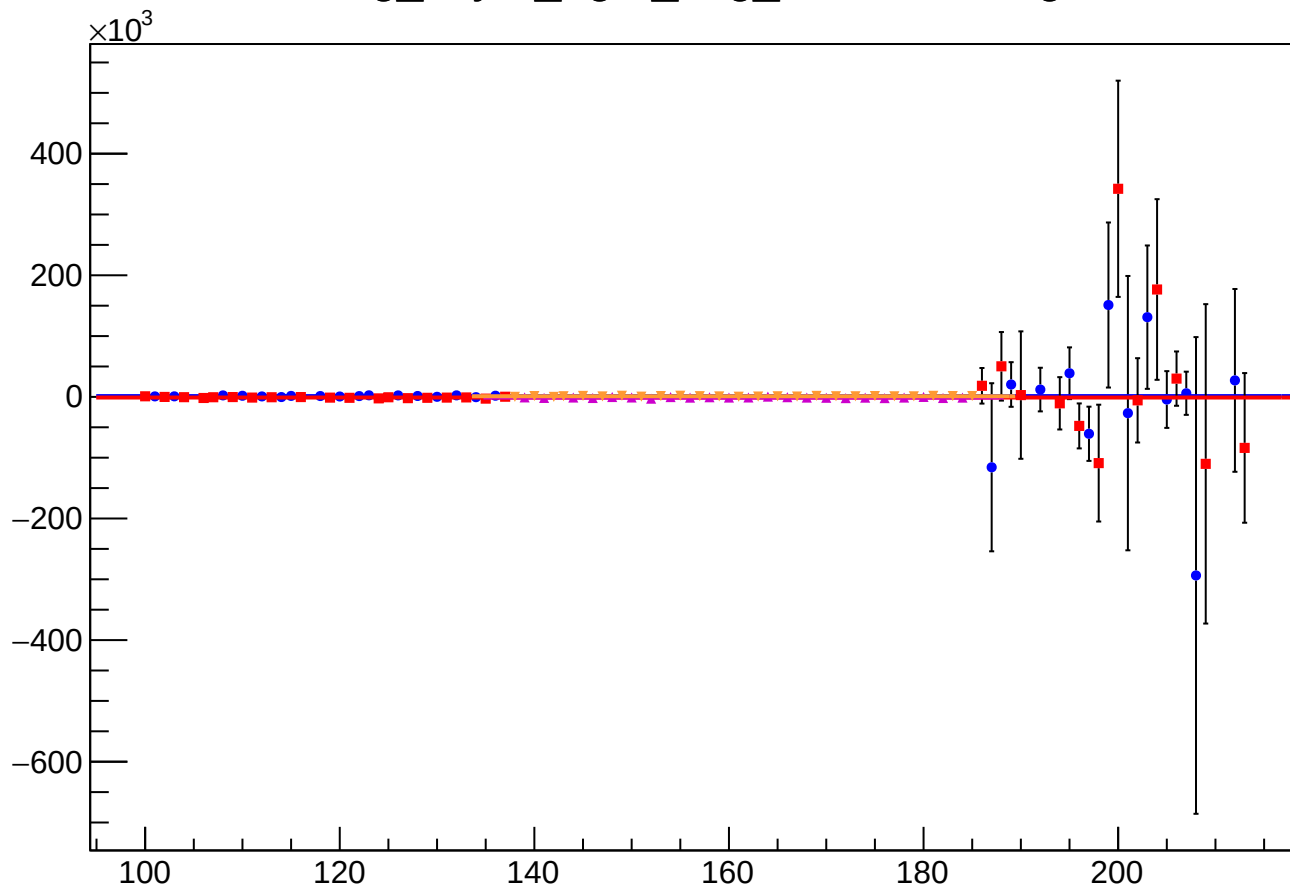
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 933.435+/-0.125 χ^2/NDF : 8896790.4/52

All: 920.028+/-0.088 χ^2/NDF : 19510910.6/10

- sign 907.087+/-0.123 χ^2/NDF : 10591633.1/55

reg_asym_right_avg_mean vs Slug



Right In: 1325.156 $\pm$ 218.579 χ^2 /NDF: 19.7/28

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

Right Out: -1039.846 $\pm$ 212.061 χ^2 /NDF: 23.9/30

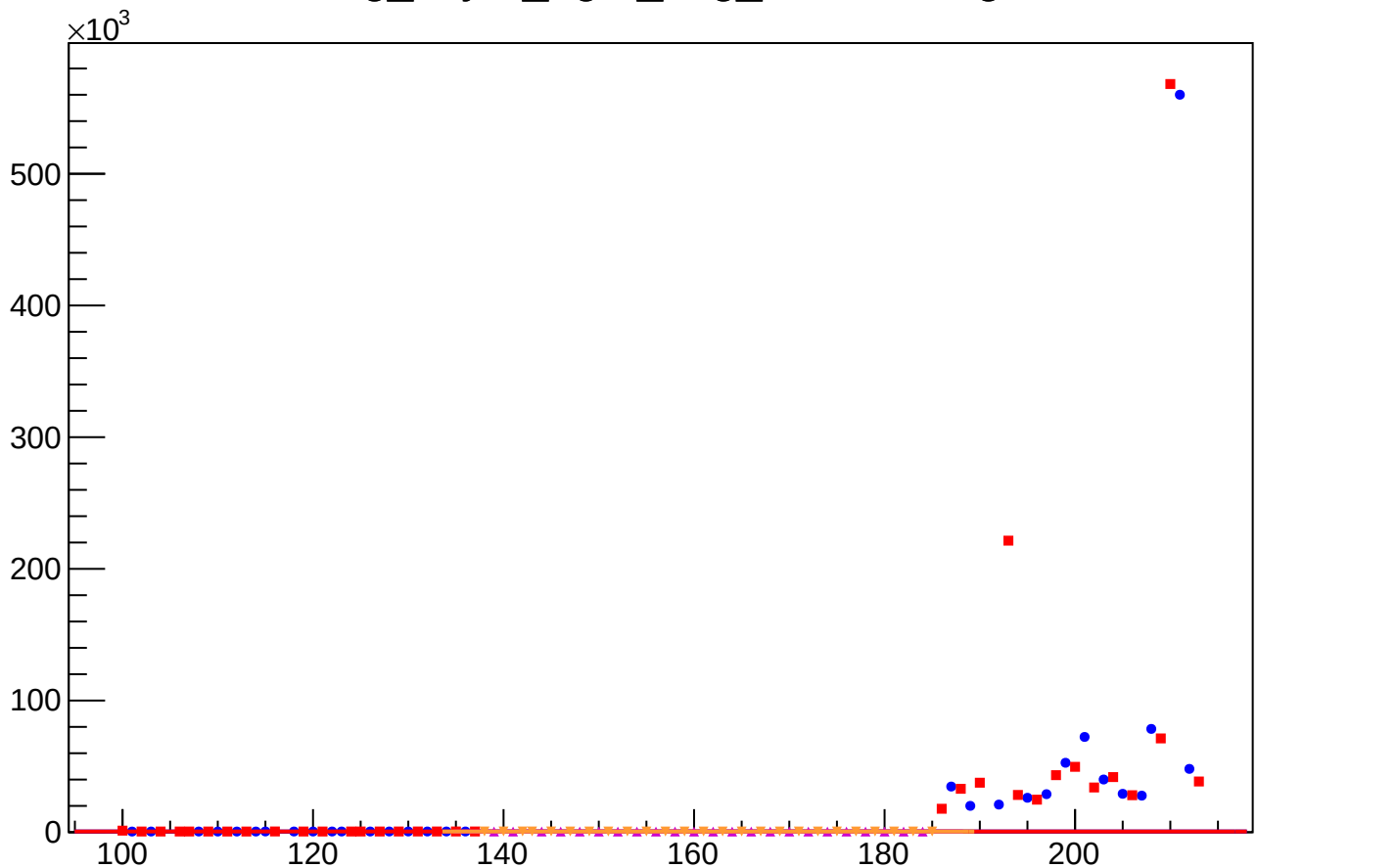
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF: 30.0/22

+ sign 1139.119 $\pm$ 111.535 χ^2 /NDF: 35.8/53

All: 31.867 $\pm$ 79.301 χ^2 /NDF: 289.1/107

- sign -1100.098 $\pm$ 112.773 χ^2 /NDF: 54.1/53

reg_asym_right_avg_rms vs Slug



Right In: 568.631 $\pm$ 0.155 χ^2 /NDF: 6063366.0/29

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

Right Out: 569.865 $\pm$ 0.150 χ^2 /NDF: 5927423.9/32

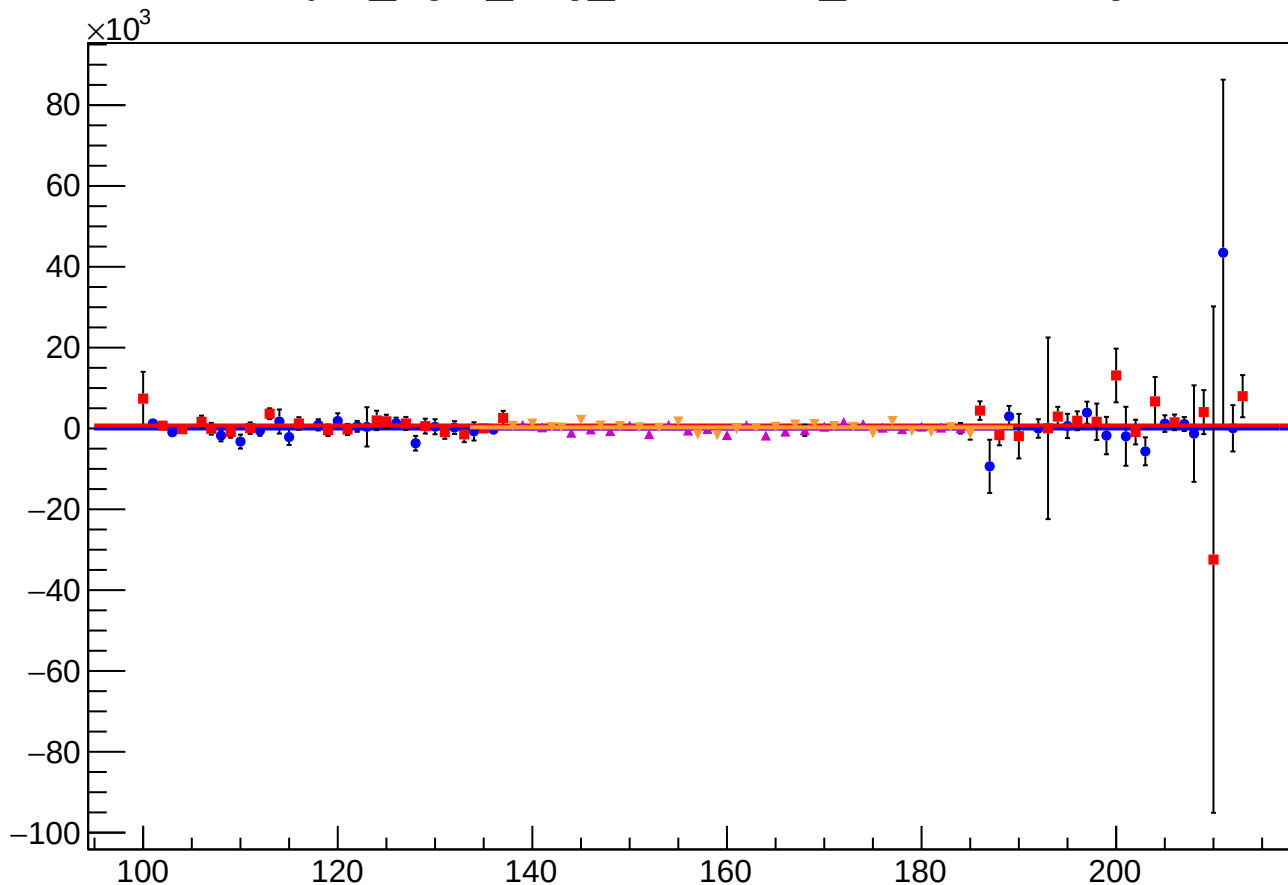
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 560.424 $\pm$ 0.079 χ^2 /NDF: 6081931.3/54

All: 560.519 $\pm$ 0.056 χ^2 /NDF: 12025872.5/11

- sign 560.616 $\pm$ 0.080 χ^2 /NDF: 5943938.3/55

asym_right_avg_correction_mean vs Slug



Right In: -6.028 ± 306.433 χ^2/NDF : 27.3/29

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

Right Out: 739.150 ± 311.558 χ^2/NDF : 27.2/32

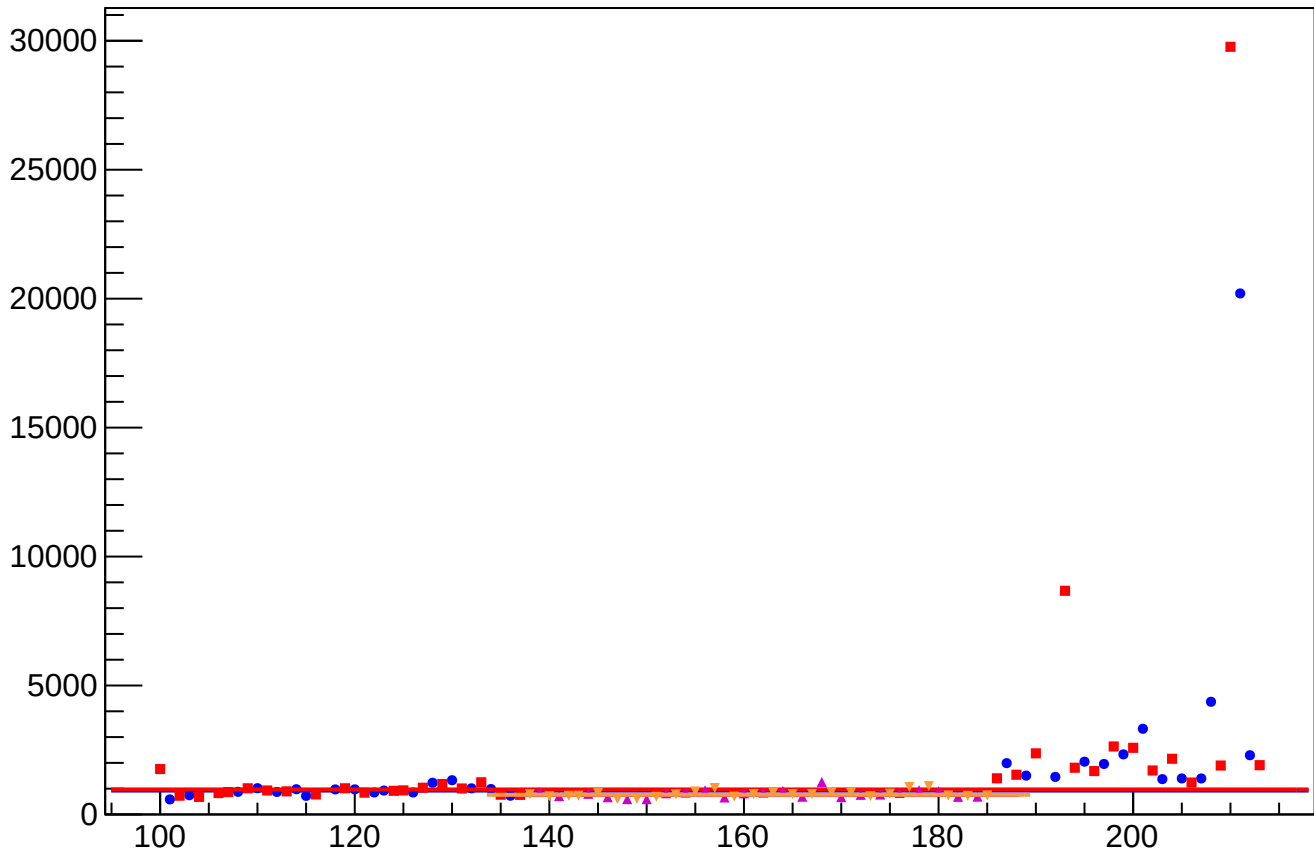
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 207.761 ± 155.476 χ^2/NDF : 54.7/54

All: 202.116 ± 110.833 χ^2/NDF : 106.1/110

- sign 196.284 ± 158.038 χ^2/NDF : 51.4/55

asym_right_avg_correction_rms vs Slug



Right In: 927.058 $\pm$ 0.217 χ^2 /NDF: 3015029.7/29

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

Right Out: 969.716 $\pm$ 0.220 χ^2 /NDF: 2753958.6/32

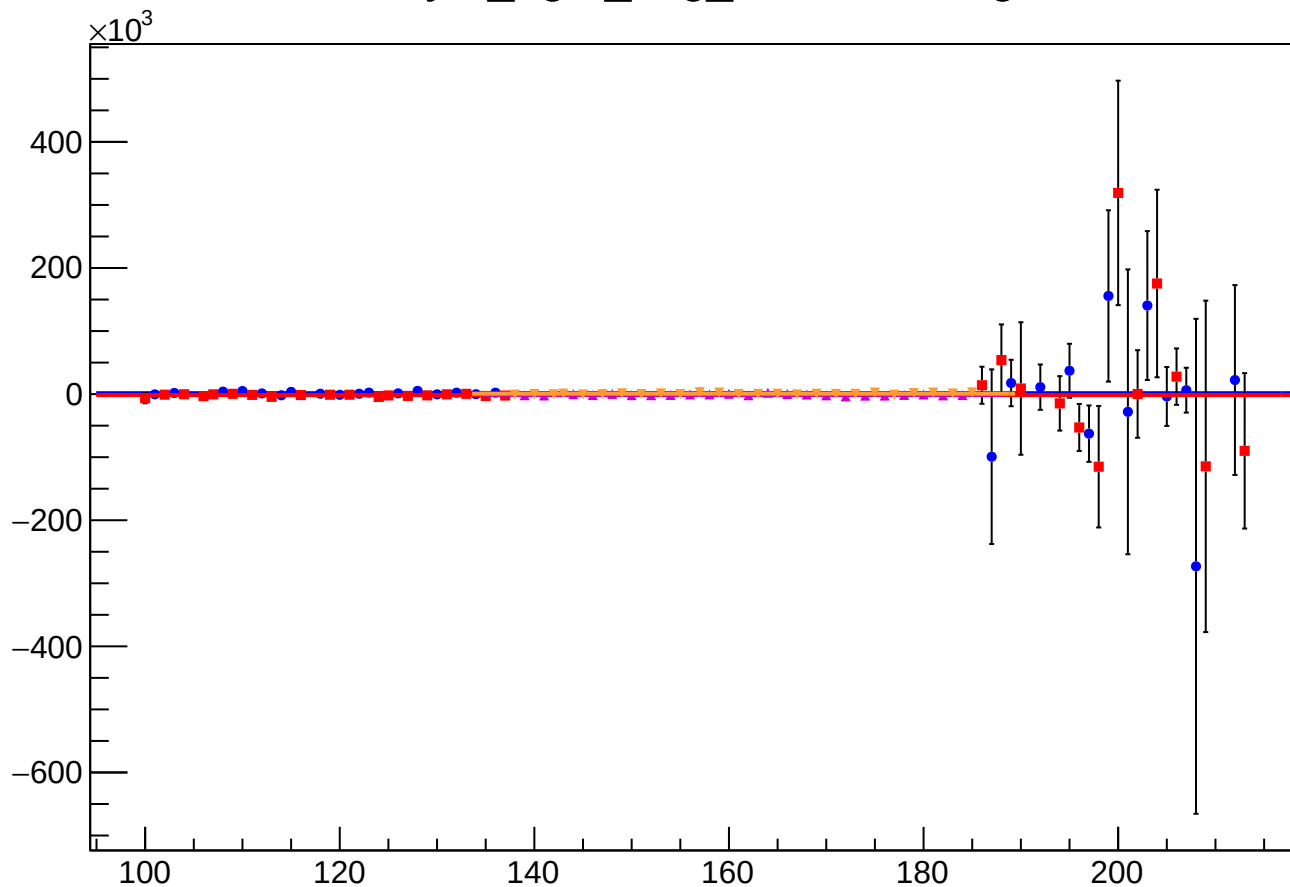
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

+ sign 805.296 $\pm$ 0.110 χ^2 /NDF: 4193981.3/54

All: 807.402 $\pm$ 0.078 χ^2 /NDF: 8591950.3/110

- sign 809.578 $\pm$ 0.112 χ^2 /NDF: 4397222.8/55

asym_right_avg_mean vs Slug



Right In: 1501.155 ± 402.535 χ^2/NDF : 23.9/28

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

Right Out: -1486.854 ± 400.596 χ^2/NDF : 22.5/30

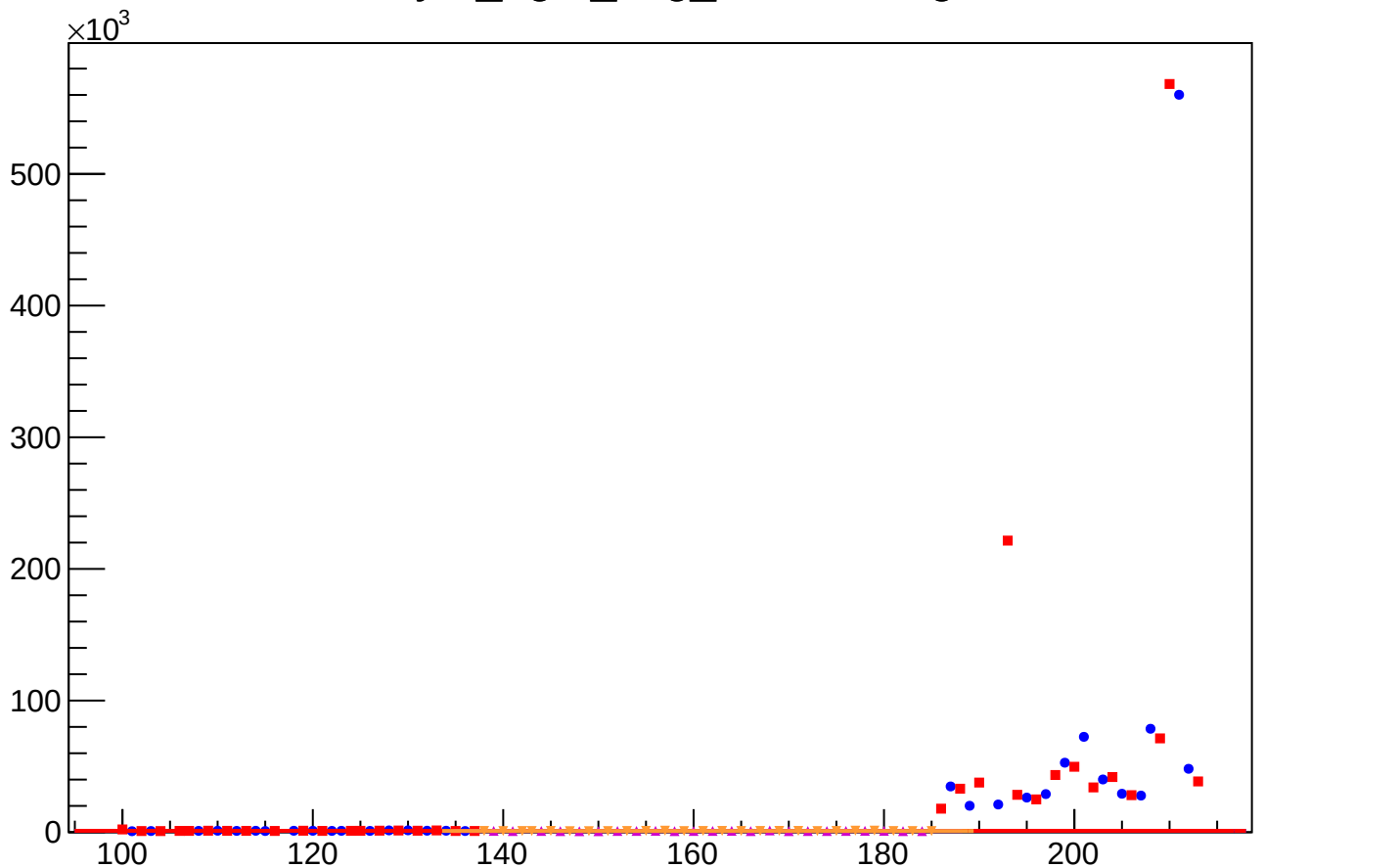
Left In: -1124.587 ± 230.065 χ^2/NDF : 25.4/22

+ sign 921.582 ± 196.756 χ^2/NDF : 48.1/53

All: -131.616 ± 140.089 χ^2/NDF : 154.7/107

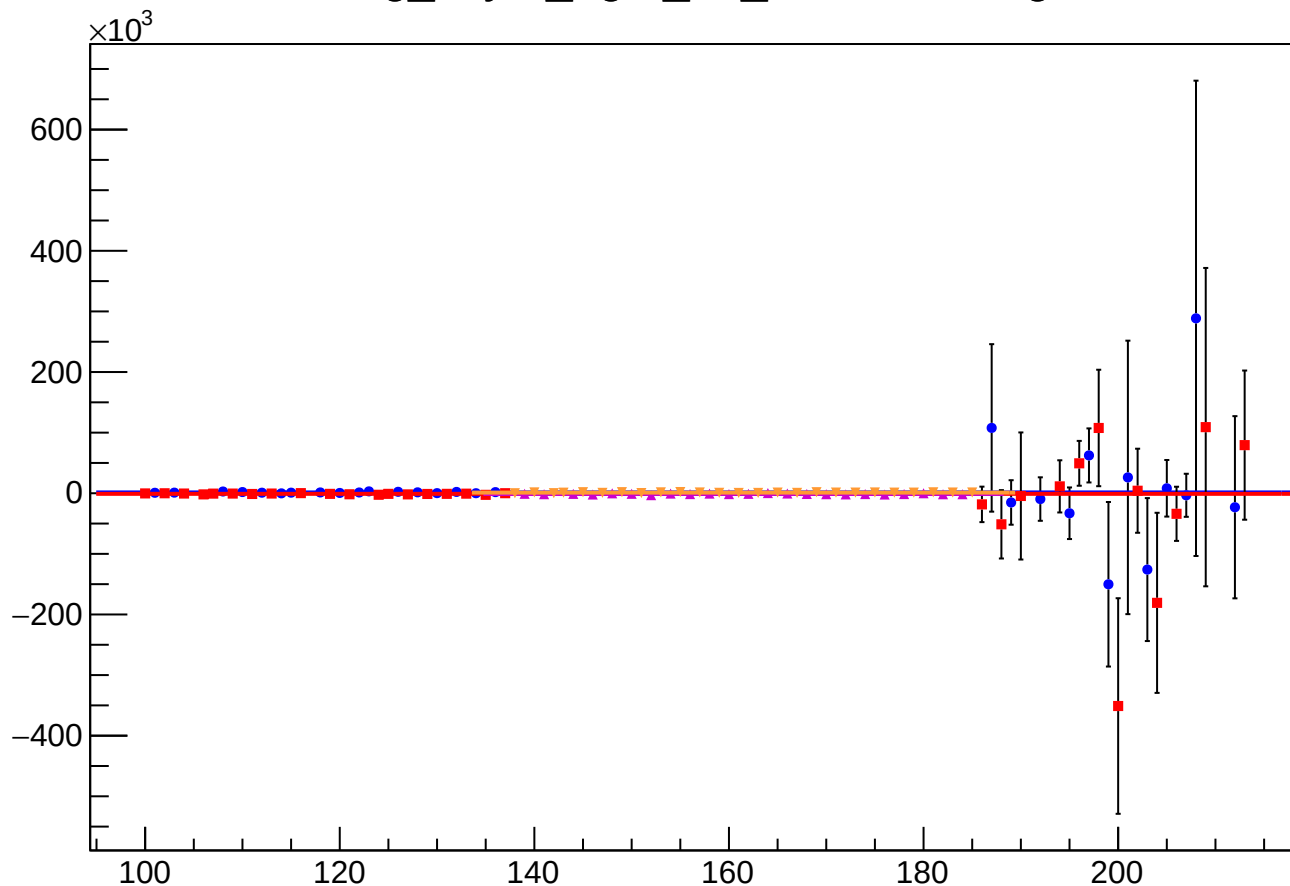
- sign -1214.438 ± 199.505 χ^2/NDF : 48.4/53

asym_right_avg_rms vs Slug



Right In: 1038.995 $\pm$ 0.285 χ^2 /NDF: 6194919.5/29 + sign 980.590 $\pm$ 0.139 χ^2 /NDF: 6613178.9/54
 Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF: 362937.6/24 All: 982.362 $\pm$ 0.099 χ^2 /NDF: 13108429.7/1
 Right Out: 1073.748 $\pm$ 0.283 χ^2 /NDF: 5918578.3/32 - sign 984.184 $\pm$ 0.141 χ^2 /NDF: 6494921.8/55
 Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1344.436 $\pm$ 218.833 χ^2 /NDF: 18.4/28

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

Right Out: -965.830 $\pm$ 208.597 χ^2 /NDF: 23.1/30

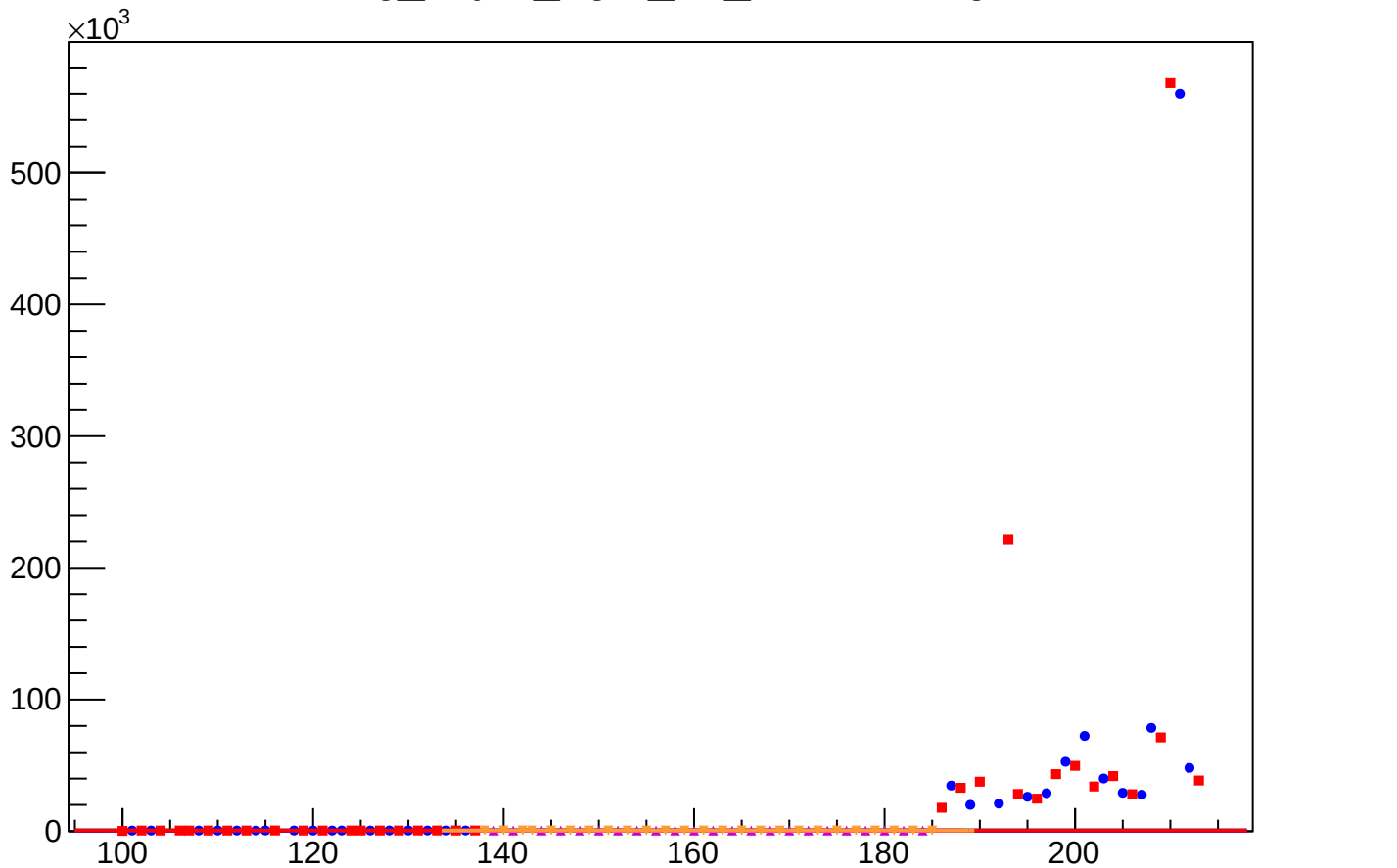
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.480 $\pm$ 111.652 χ^2 /NDF: 34.4/53

All: 21.845 $\pm$ 79.189 χ^2 /NDF: 297.5/107

- sign -1124.623 $\pm$ 112.332 χ^2 /NDF: 56.0/53

reg_asym_right_dd_rms vs Slug



Right In: 569.294 $\pm$ 0.155 χ^2/NDF : 6063552.4/29

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

Right Out: 558.854 $\pm$ 0.147 χ^2/NDF : 6015251.6/32

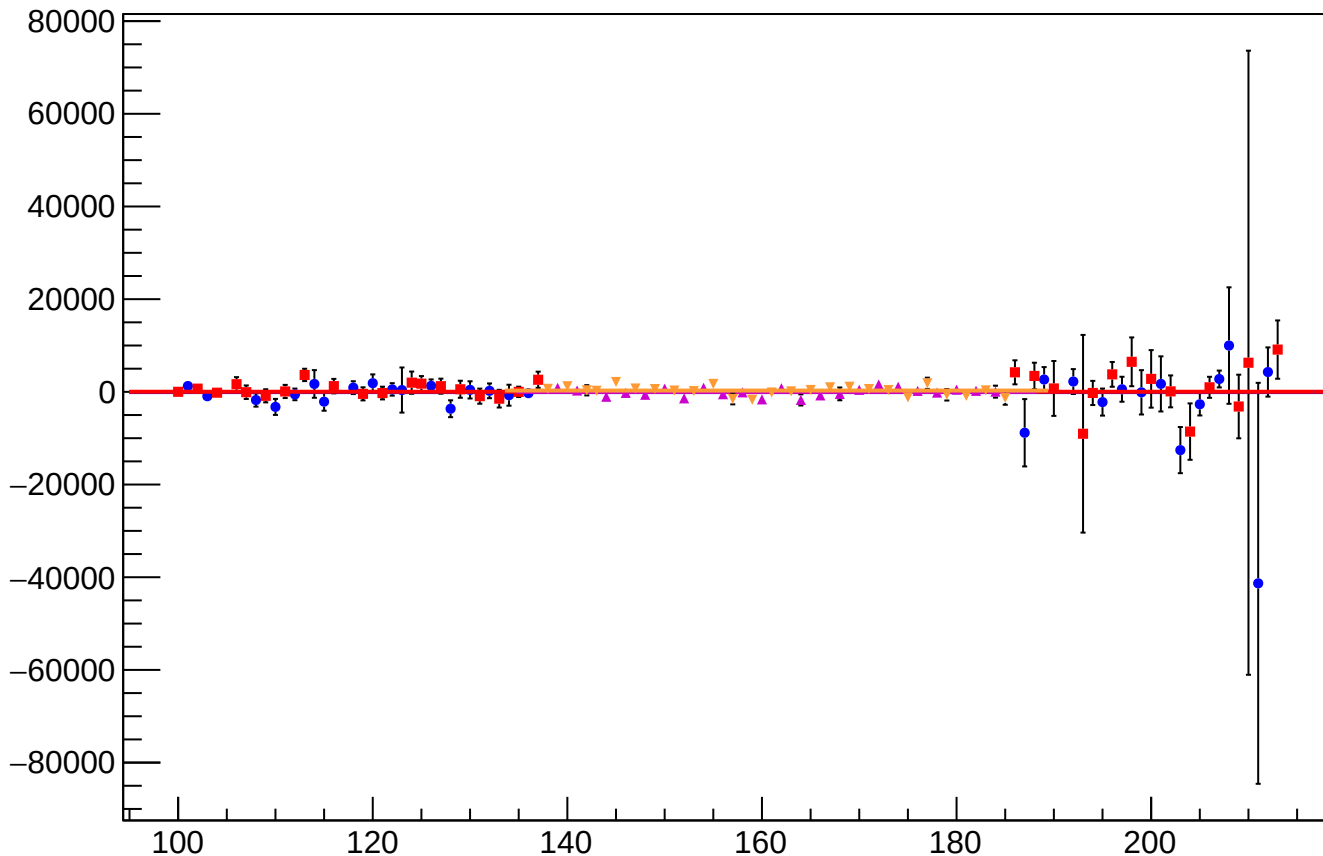
Left In: 557.597 $\pm$ 0.094 χ^2/NDF : 11276.8/22

+ sign 561.013 $\pm$ 0.079 χ^2/NDF : 6082209.5/54

All: 559.497 $\pm$ 0.056 χ^2/NDF : 12109532.2/11

- sign 557.961 $\pm$ 0.079 χ^2/NDF : 6026580.0/55

asym_right_dd_correction_mean vs Slug



Right In: -48.752 $\pm$ 309.269 χ^2/NDF : 33.1/29

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

Right Out: 23.054 $\pm$ 38.925 χ^2/NDF : 28.3/32

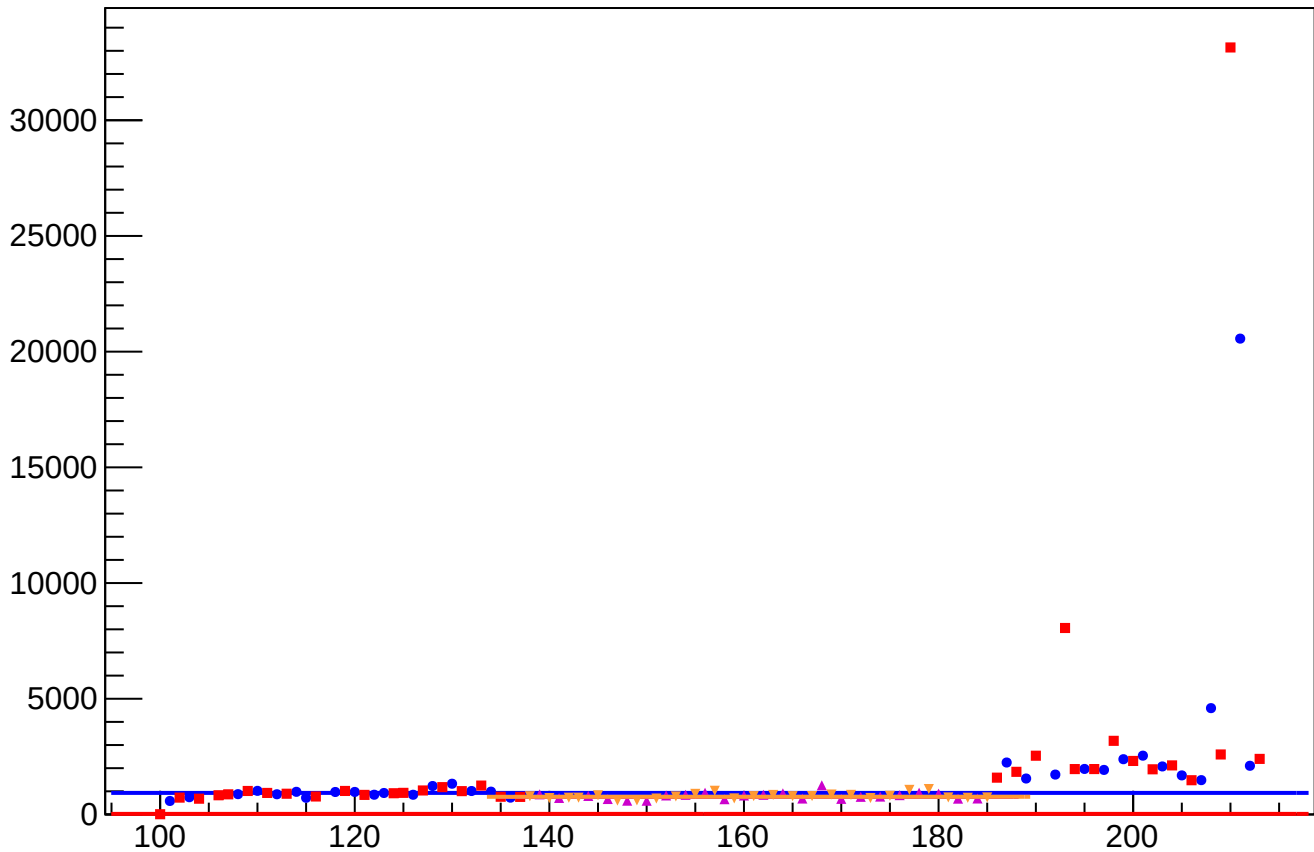
Left In: 7.306 $\pm$ 183.473 χ^2/NDF : 20.1/22

+ sign 197.531 $\pm$ 155.878 χ^2/NDF : 60.7/54

All: 32.239 $\pm$ 36.990 χ^2/NDF : 110.4/110

- sign 22.376 $\pm$ 38.078 χ^2/NDF : 48.4/55

asym_right_dd_correction_rms vs Slug



Right In: 931.522 $\pm$ 0.219 χ^2 /NDF: 3204141.5/29

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

Right Out: 24.653 $\pm$ 0.028 χ^2 /NDF: 21598743.9/32

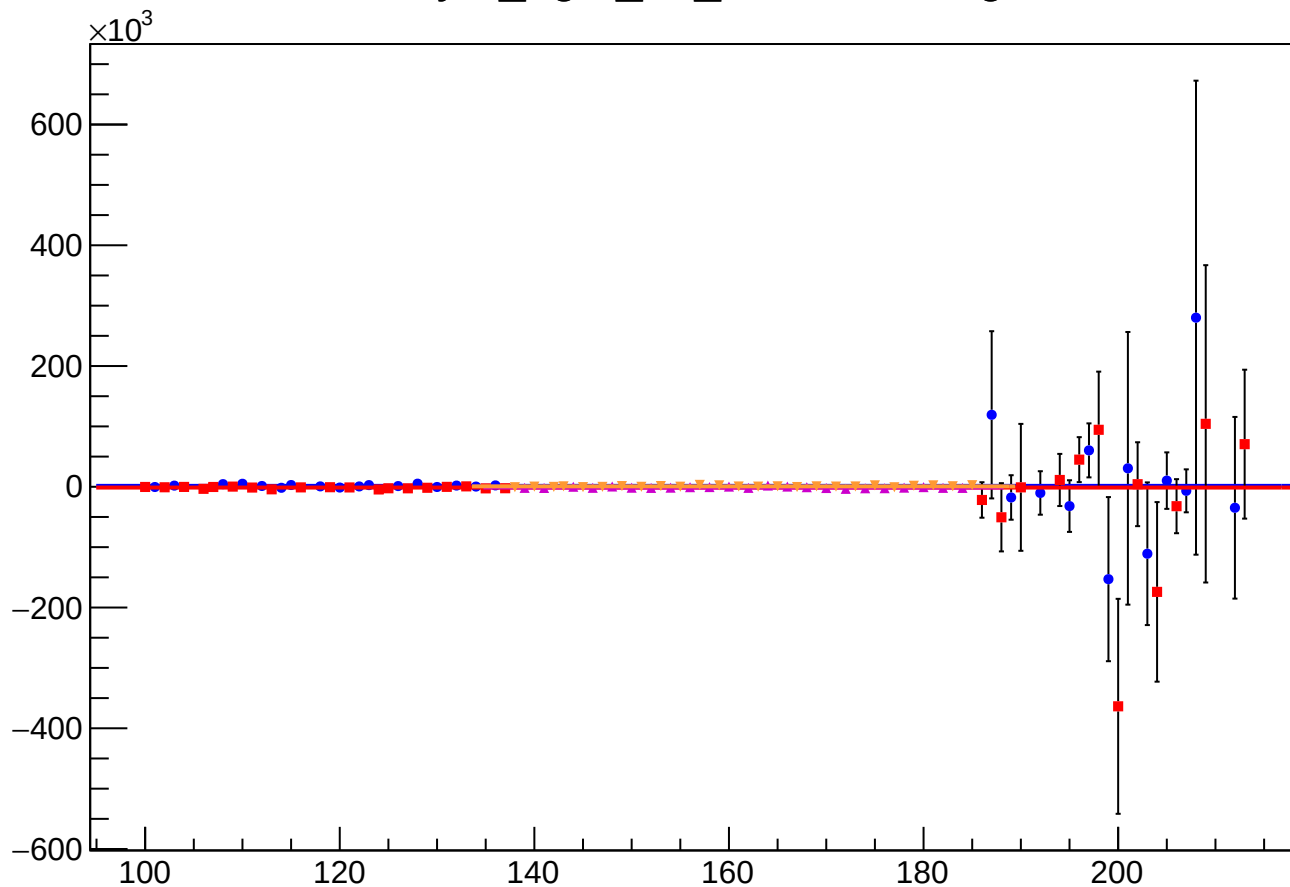
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 806.039 $\pm$ 0.110 χ^2 /NDF: 4399245.2/54

All: 98.321 $\pm$ 0.026 χ^2 /NDF: 100900559.0/11

- sign 56.089 $\pm$ 0.027 χ^2 /NDF: 52813847.2/55

asym_right_dd_mean vs Slug



Right In: 1515.566 $\pm$ 402.758 χ^2 /NDF: 24.1/28

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

Right Out: -1289.809 $\pm$ 376.578 χ^2 /NDF: 22.7/30

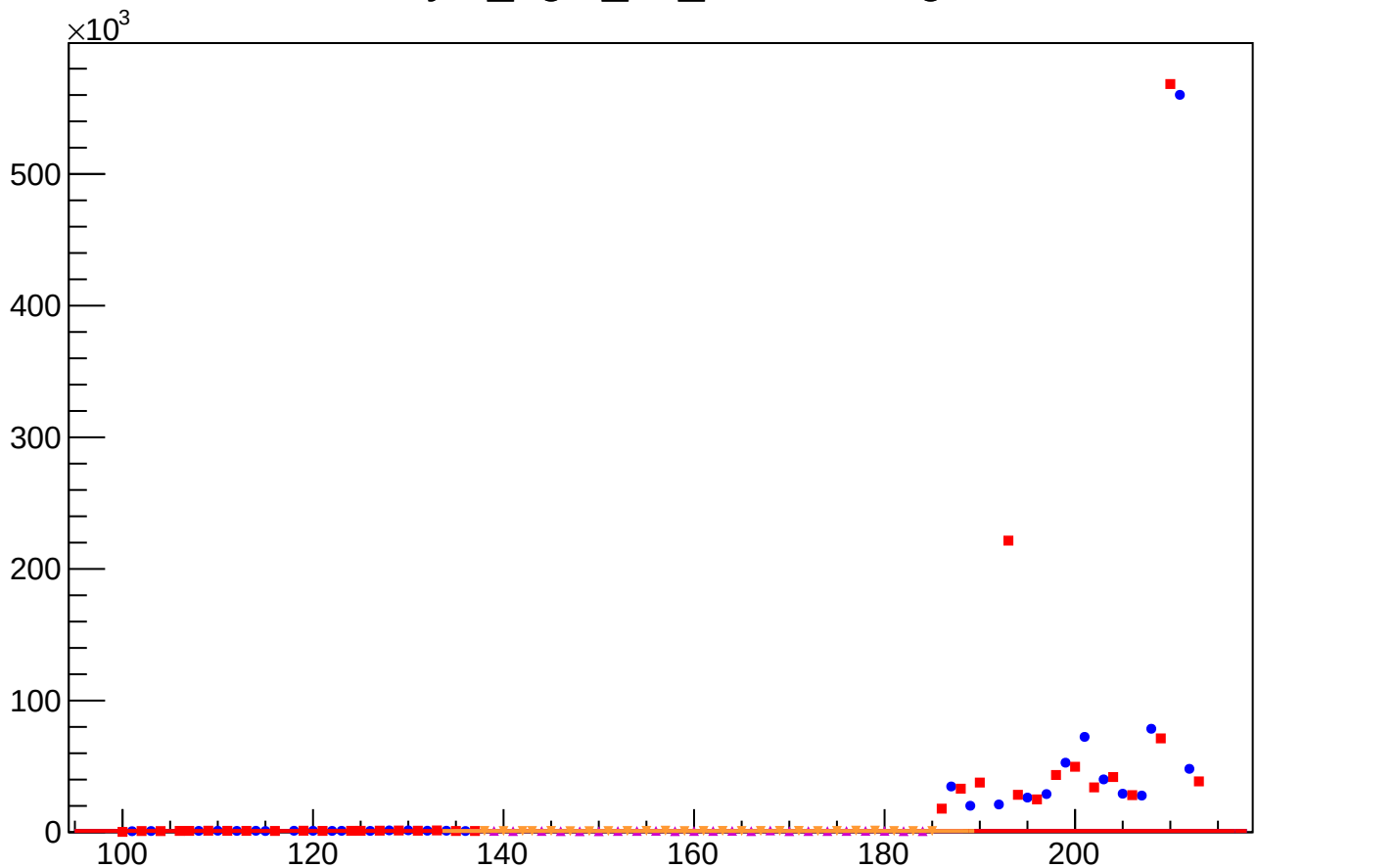
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 927.445 $\pm$ 196.864 χ^2 /NDF: 47.2/53

All: -142.237 $\pm$ 139.049 χ^2 /NDF: 153.1/107

- sign -1207.175 $\pm$ 196.427 χ^2 /NDF: 47.0/53

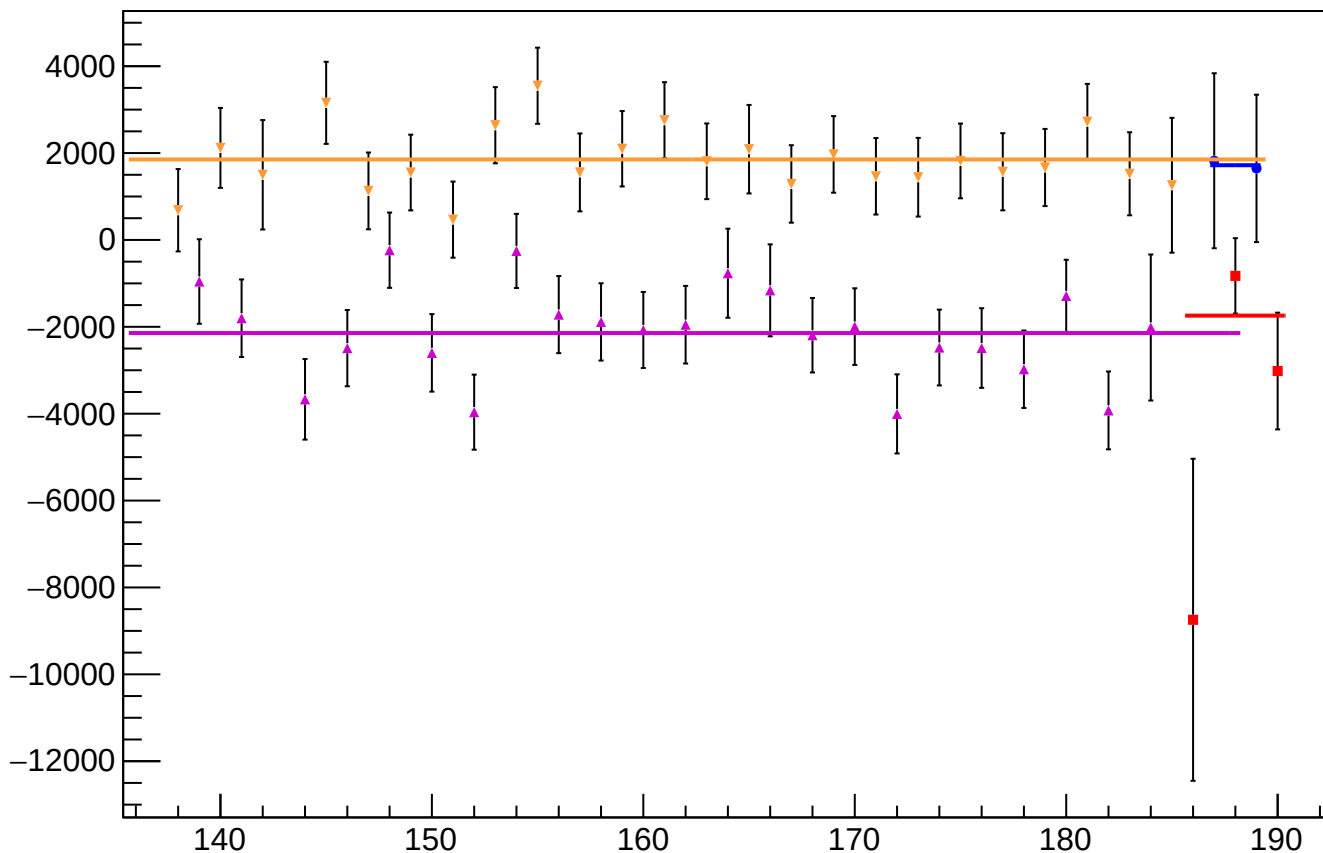
asym_right_dd_rms vs Slug



Right In: 1039.578 $\pm$ 0.285 χ^2 /NDF: 6195587.9/29
 Left Out: 962.776 $\pm$ 0.160 χ^2 /NDF:362837.8/24
 Right Out: 978.198 $\pm$ 0.266 χ^2 /NDF: 6792392.1/32
 Left In: 955.331 $\pm$ 0.163 χ^2 /NDF:443068.5/22

+ sign 981.126 $\pm$ 0.139 χ^2 /NDF: 6613776.1/54
 All: 971.317 $\pm$ 0.098 χ^2 /NDF: 13864512.6/13
 - sign 961.552 $\pm$ 0.139 χ^2 /NDF: 7240828.9/55

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

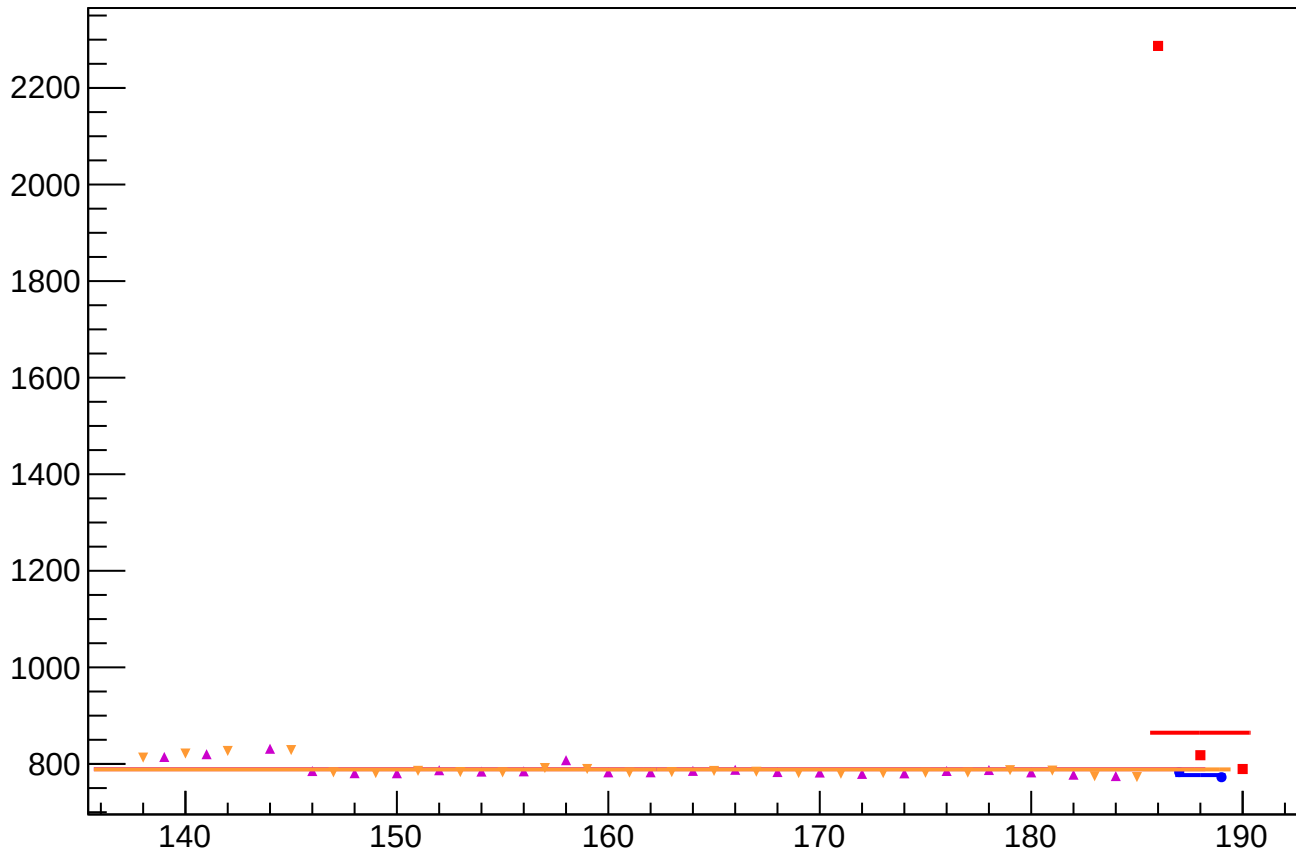
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ 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

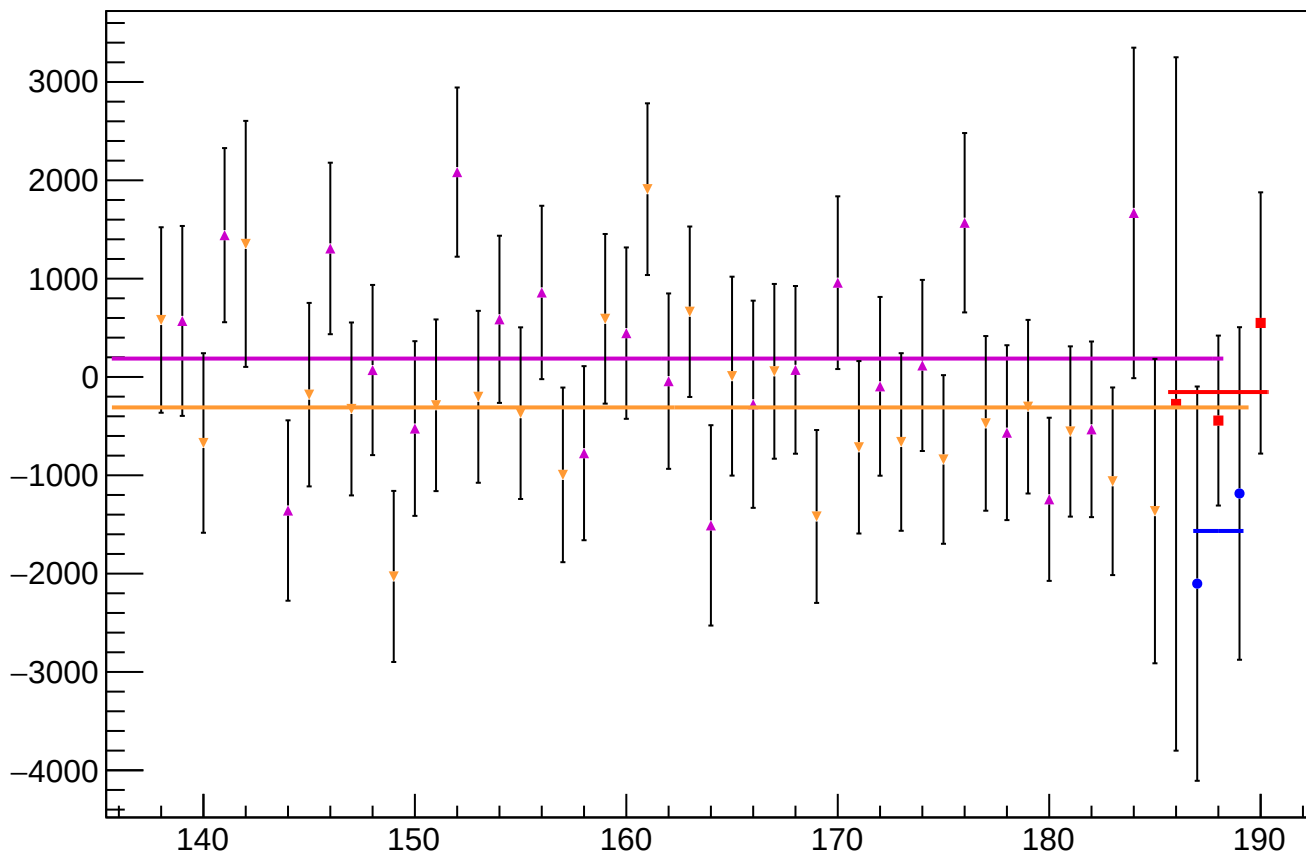
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ 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 $\pm$ 1292.689 χ^2 /NDF: 0.1/1

Left Out: -309.656 $\pm$ 186.542 χ^2 /NDF: 20.0/23

Right Out: -153.360 $\pm$ 709.634 χ^2 /NDF: 0.4/2

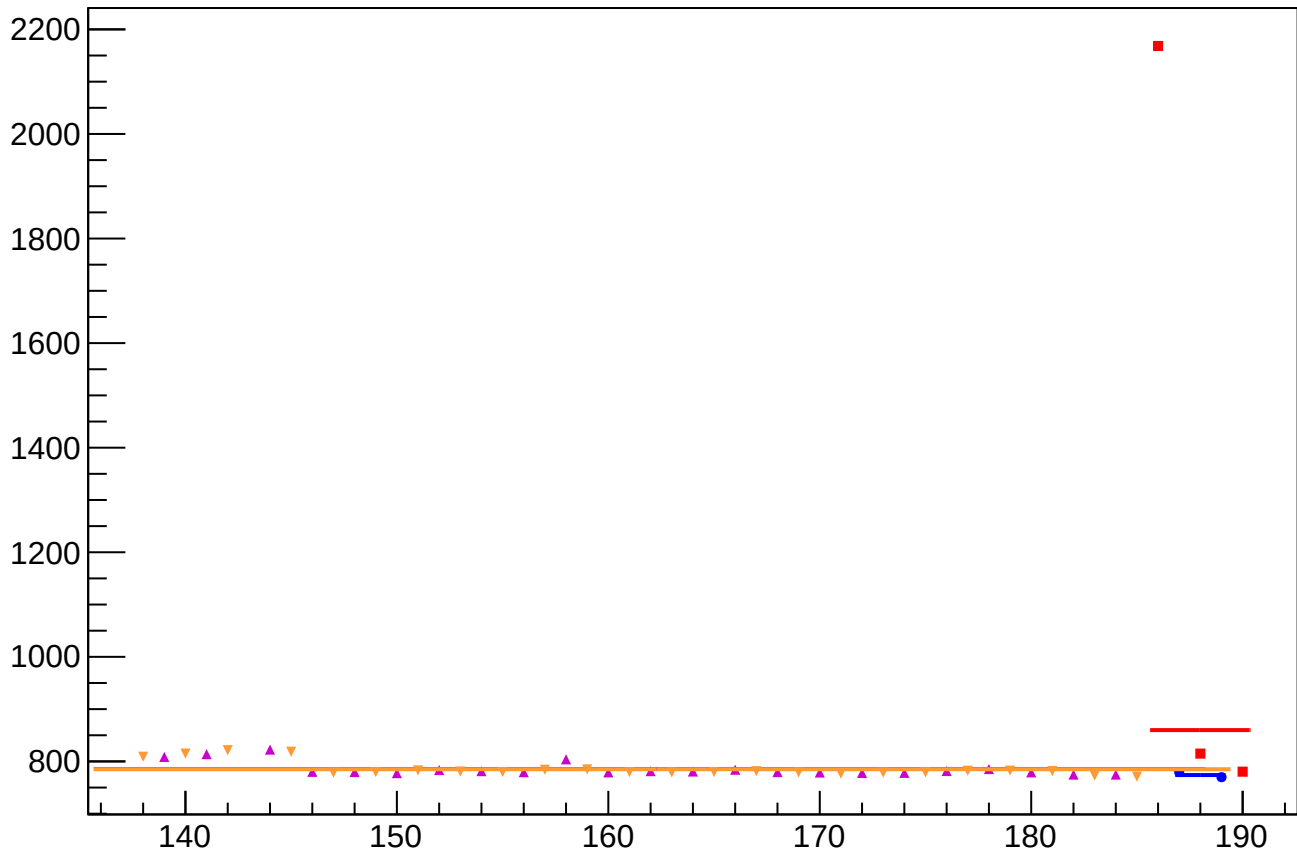
Left In: 187.105 $\pm$ 189.265 χ^2 /NDF: 25.6/22

+ sign -335.286 $\pm$ 184.630 χ^2 /NDF: 21.0/25

All: -83.007 $\pm$ 129.927 χ^2 /NDF: 50.9/51

- sign 164.494 $\pm$ 182.873 χ^2 /NDF: 26.2/25

cor_asym_us_dd_rms vs Slug



Right In: 773.922 ± 0.914 χ^2/NDF : 27.7/1

Left Out: 785.050 ± 0.132 χ^2/NDF : 9365.3/23

Right Out: 859.900 ± 0.502 χ^2/NDF : 287948.2/2

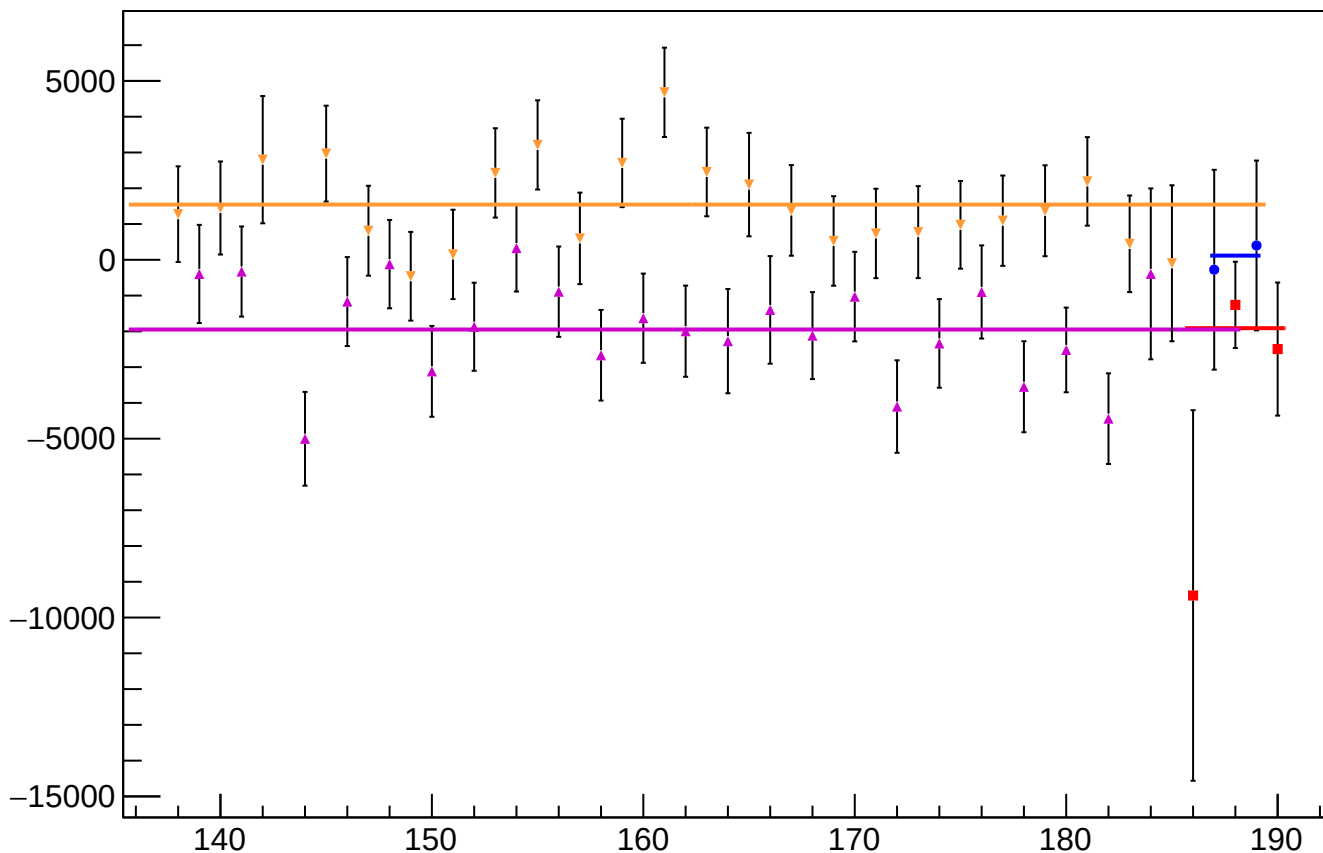
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

+ sign 784.823 ± 0.131 χ^2/NDF : 9538.2/25

All: 787.688 ± 0.092 χ^2/NDF : 327963.5/51

- sign 790.499 ± 0.129 χ^2/NDF : 317471.3/25

cor_asym_usl_mean vs Slug



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

Left Out: 1543.729 ± 266.278 χ^2/NDF : 19.9/23

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

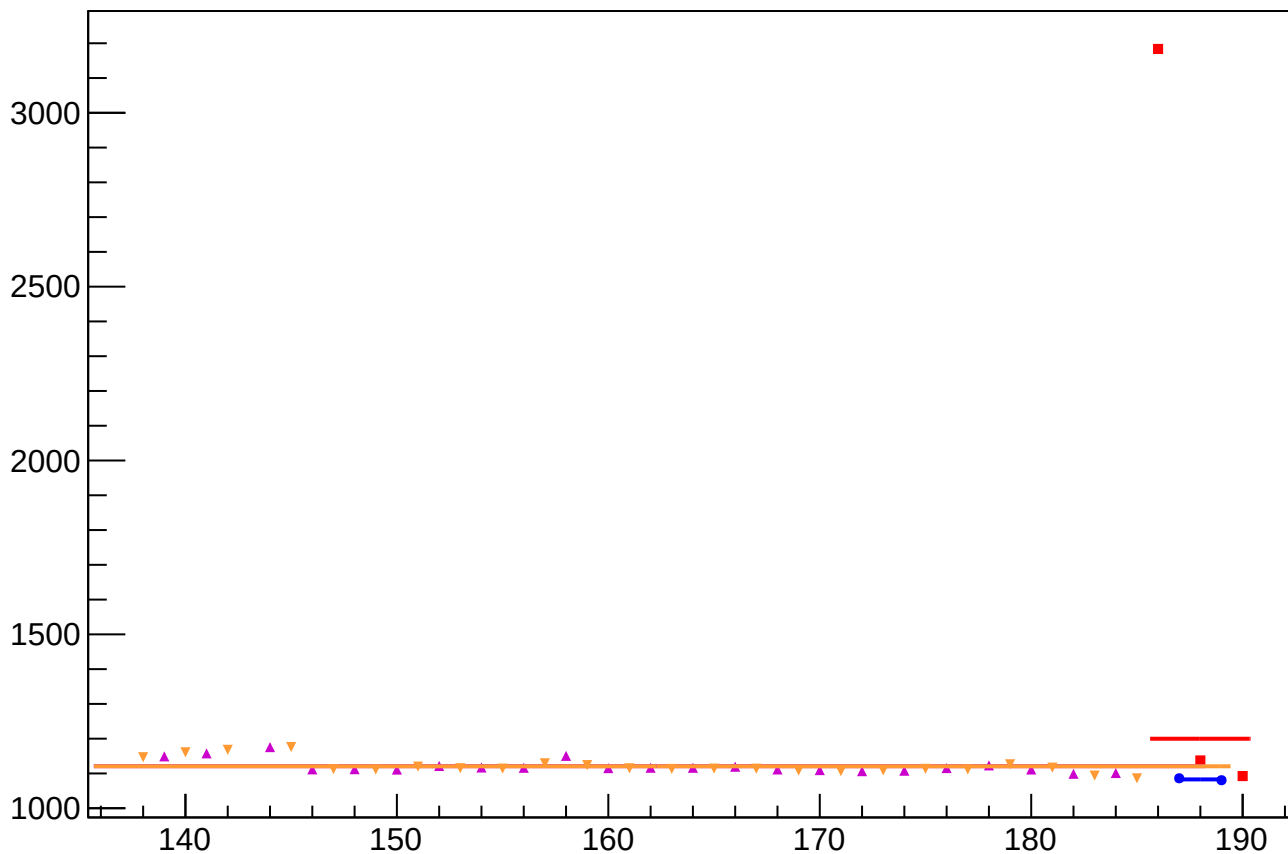
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



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

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

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

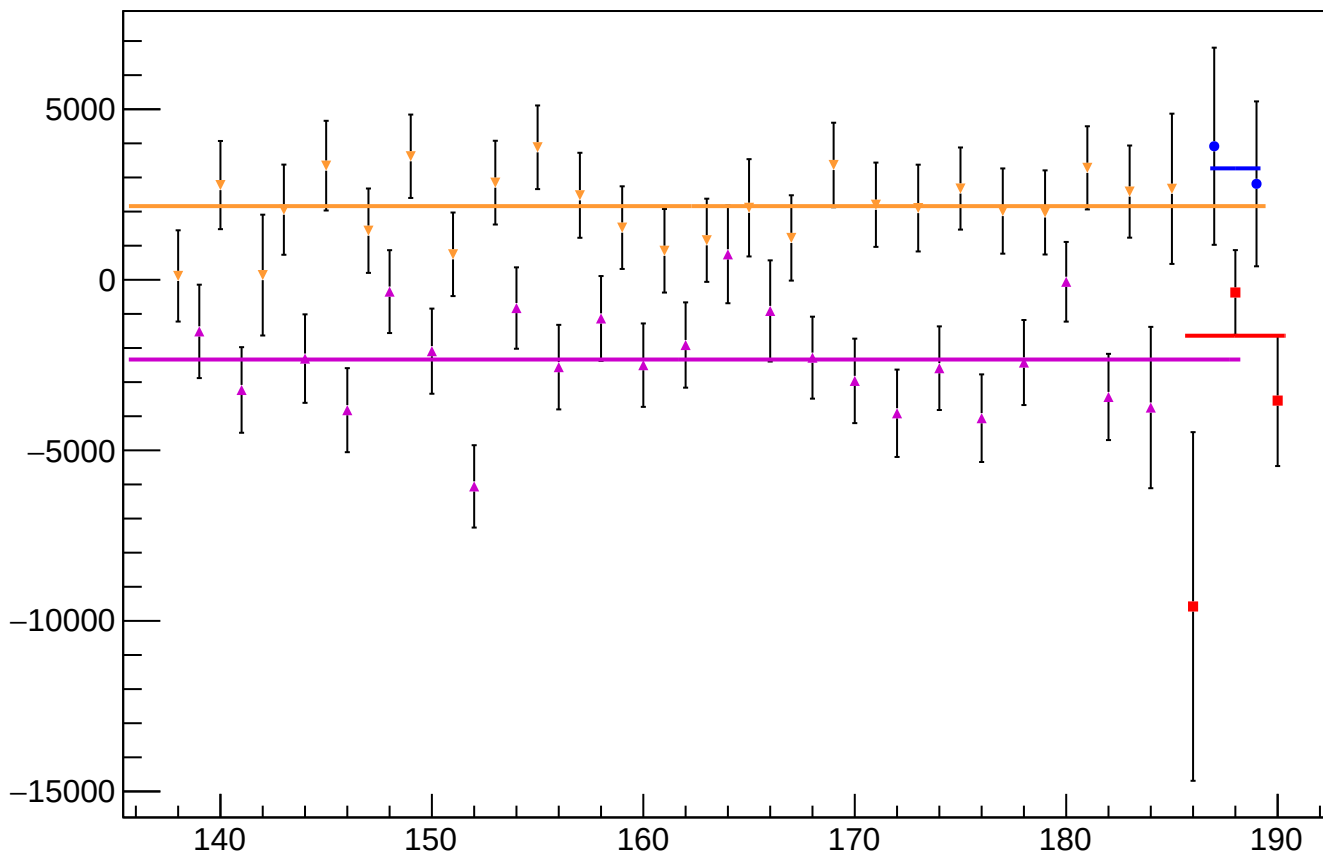
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

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

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

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

cor_asym_usr_mean vs Slug



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

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

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

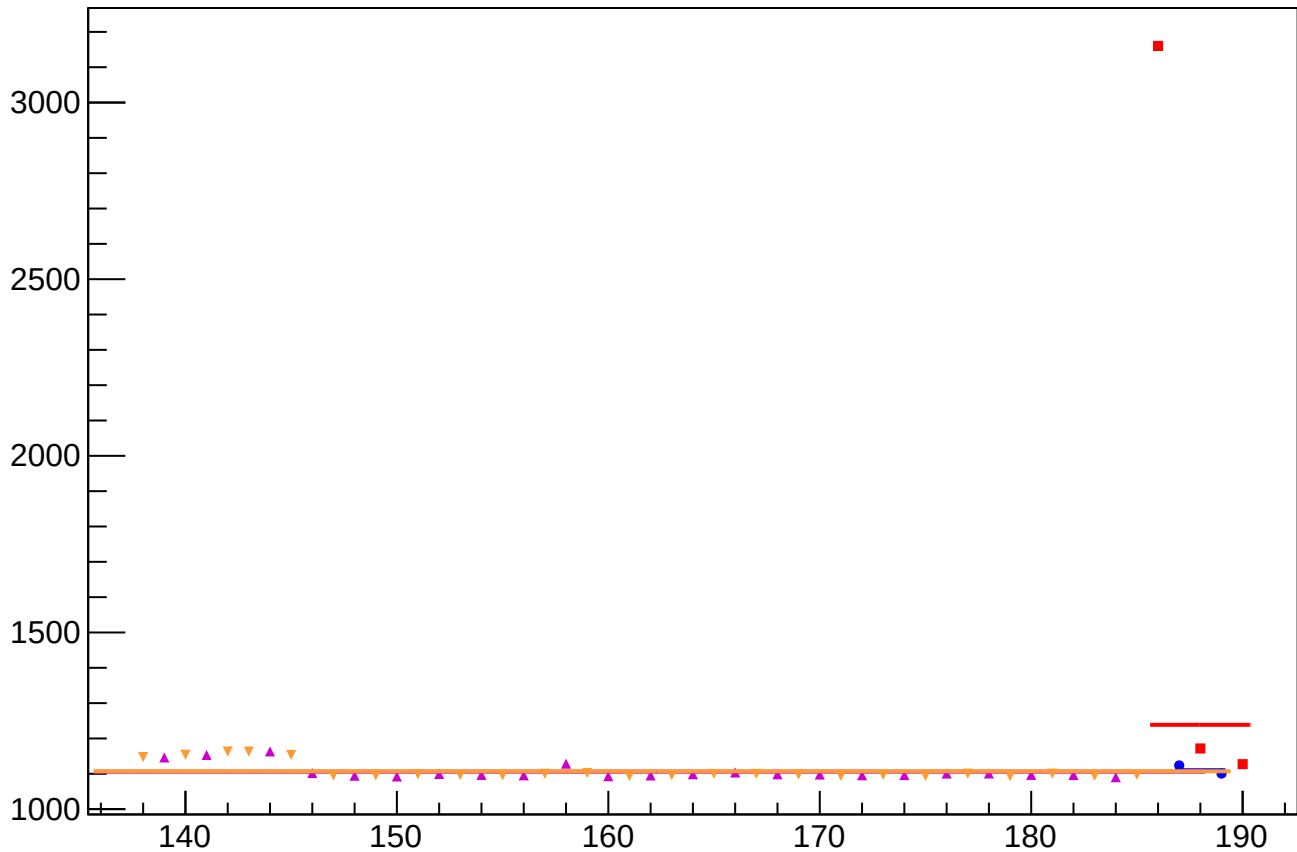
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

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

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

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

cor_asym_usr_rms vs Slug



Right In: 1110.109 $\pm$ 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

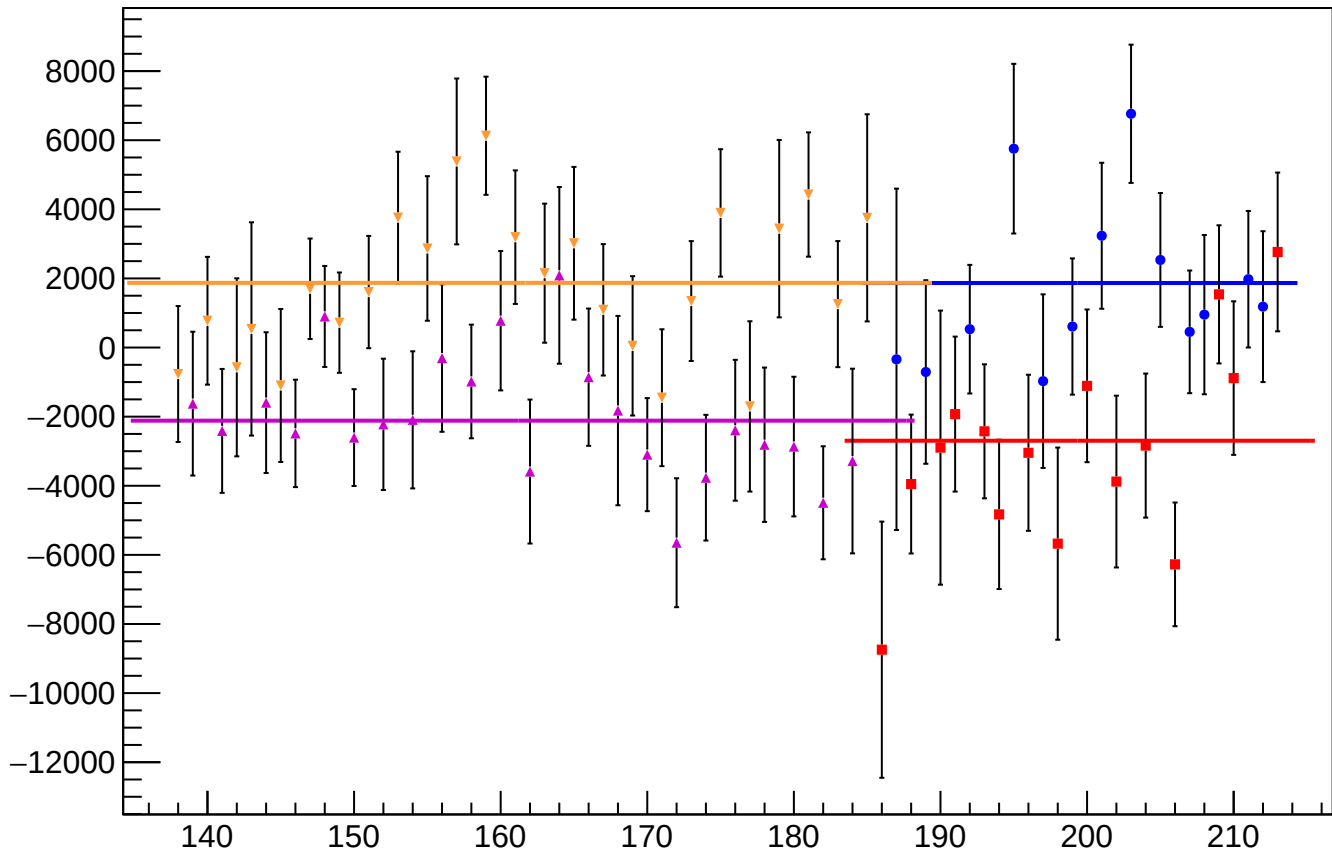
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

+ 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: 1867.816 ± 601.313 χ^2/NDF : 13.3/12

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

Right Out: -2696.538 ± 583.220 χ^2/NDF : 20.9/14

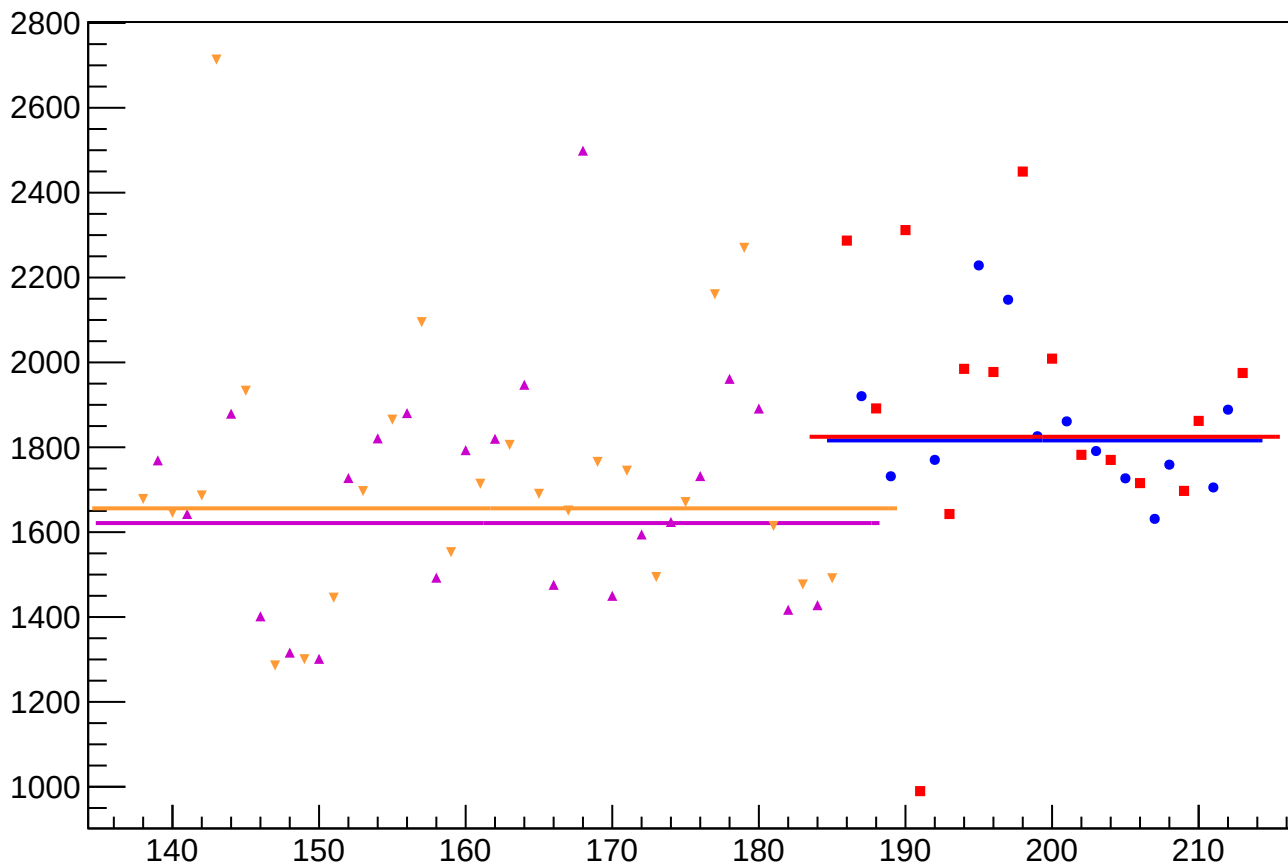
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

+ sign 1870.499 ± 328.197 χ^2/NDF : 39.4/37

All: -228.007 ± 231.258 χ^2/NDF : 161.0/75

- sign -2297.363 ± 325.910 χ^2/NDF : 40.4/37

asym_us_agg_avg_rms vs Slug



Right In: 1816.134+/-0.425 χ^2/NDF : 132326.9/12

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

Right Out: 1824.776+/-0.412 χ^2/NDF : 520140.2/14

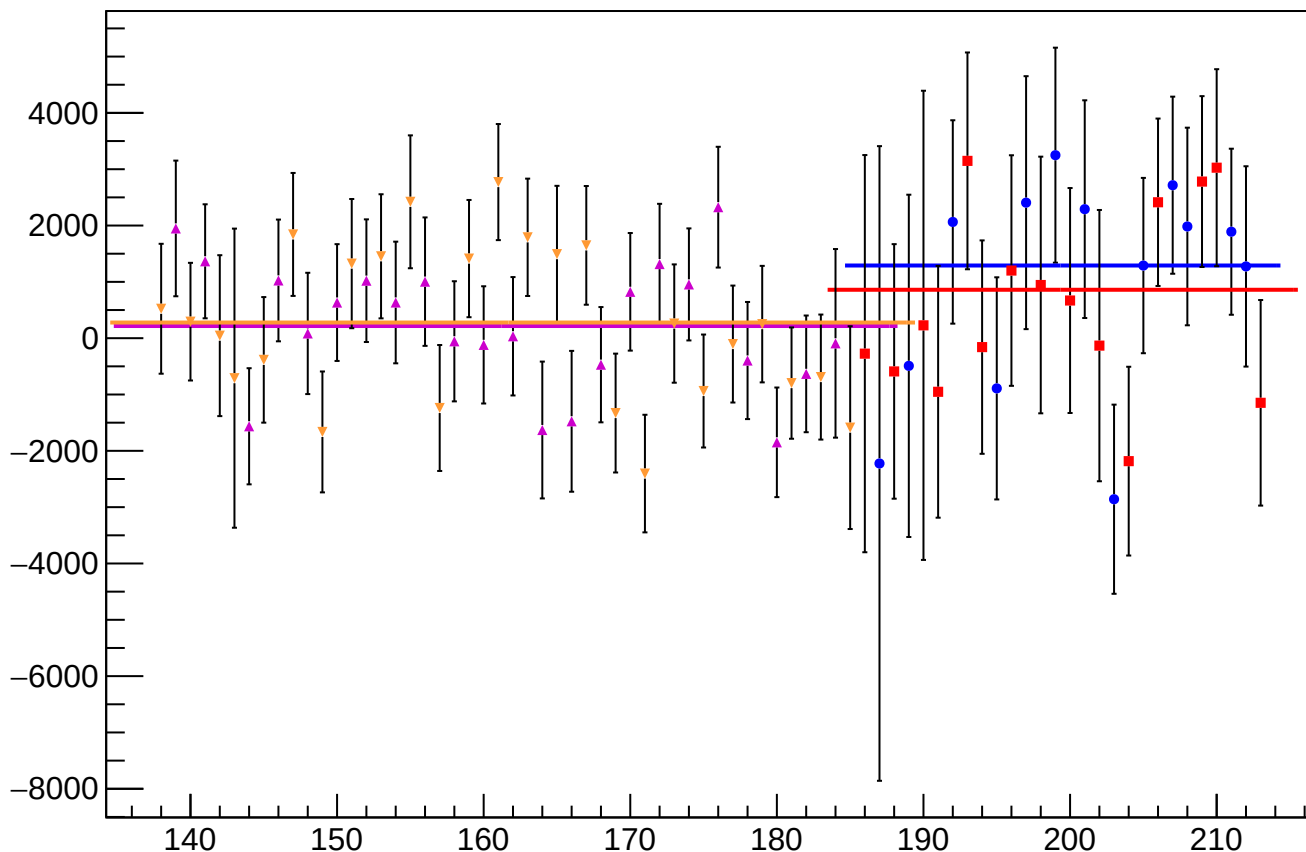
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1703.788+/-0.232 χ^2/NDF : 1142337.8/37

All: 1694.288+/-0.164 χ^2/NDF : 2608345.3/75

- sign 1684.920+/-0.230 χ^2/NDF : 1462679.4/37

asym_us_agg_dd_mean vs Slug



Right In: 1290.481 $\pm$ 518.644 χ^2 /NDF: 11.0/12

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

Right Out: 859.724 $\pm$ 512.456 χ^2 /NDF: 11.8/14

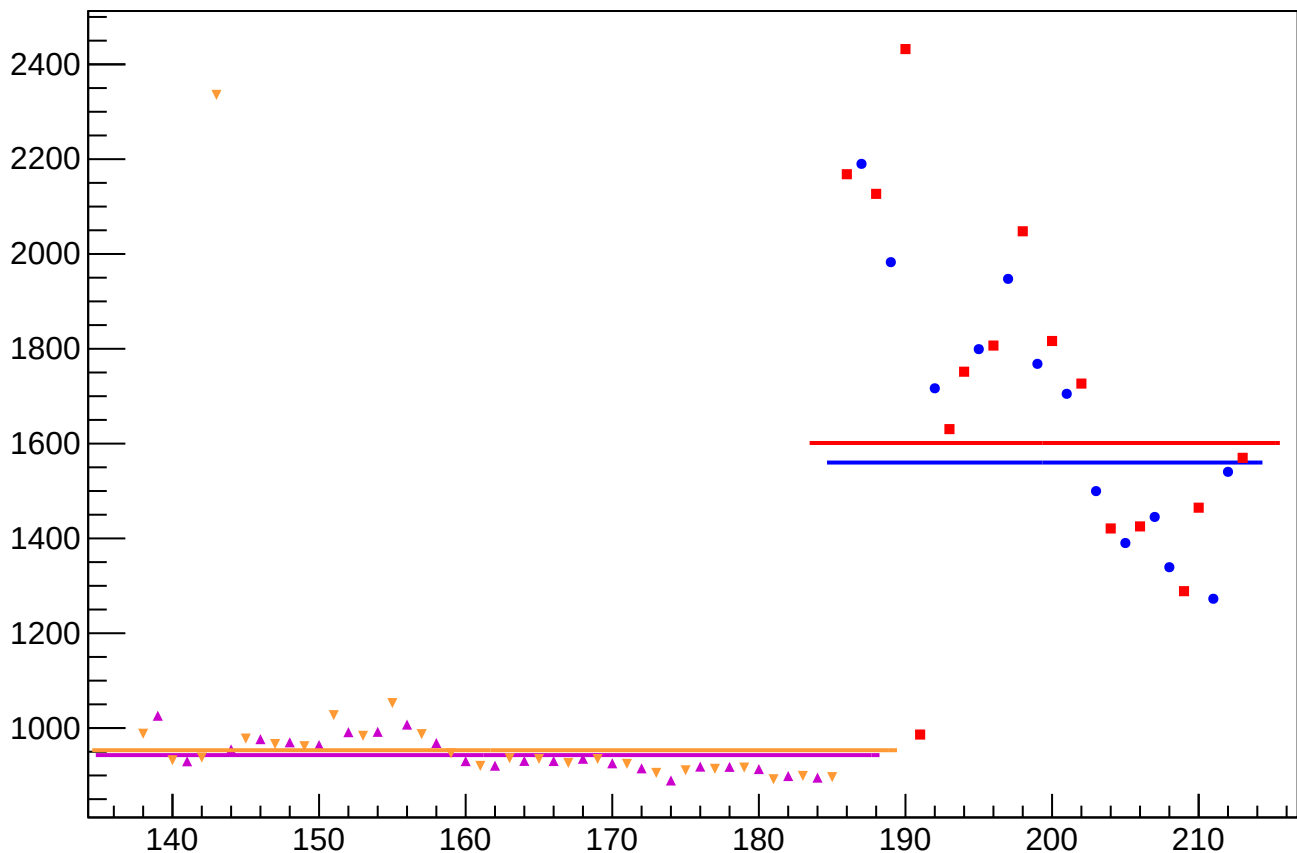
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 436.745 $\pm$ 205.316 χ^2 /NDF: 52.6/37

All: 379.003 $\pm$ 145.589 χ^2 /NDF: 90.3/75

- sign 320.605 $\pm$ 206.478 χ^2 /NDF: 37.6/37

asym_us_agg_dd_rms vs Slug



Right In: 1560.054 $\pm$ 0.367 χ^2 /NDF: 347694.8/12

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

Right Out: 1601.308 $\pm$ 0.362 χ^2 /NDF: 678469.4/14

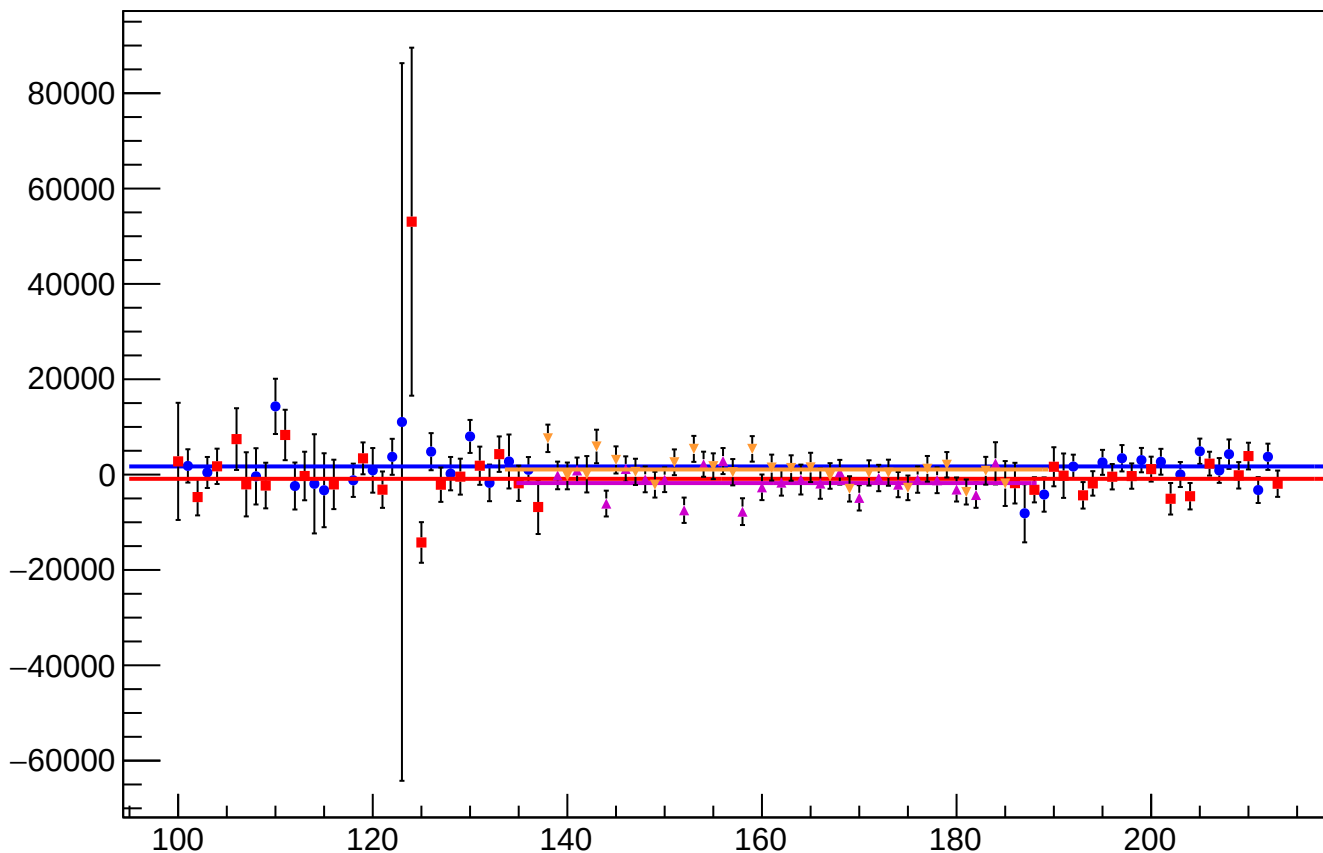
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 1048.320 $\pm$ 0.145 χ^2 /NDF: 3262866.4/37

All: 1049.061 $\pm$ 0.103 χ^2 /NDF: 6755067.0/75

- sign 1049.810 $\pm$ 0.146 χ^2 /NDF: 3492148.3/37

reg_asym_atl1_mean vs Slug



Right In: 1713.341 $\pm$ 619.263 χ^2 /NDF: 25.0/29

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

Right Out: -884.145 $\pm$ 604.885 χ^2 /NDF: 35.8/33

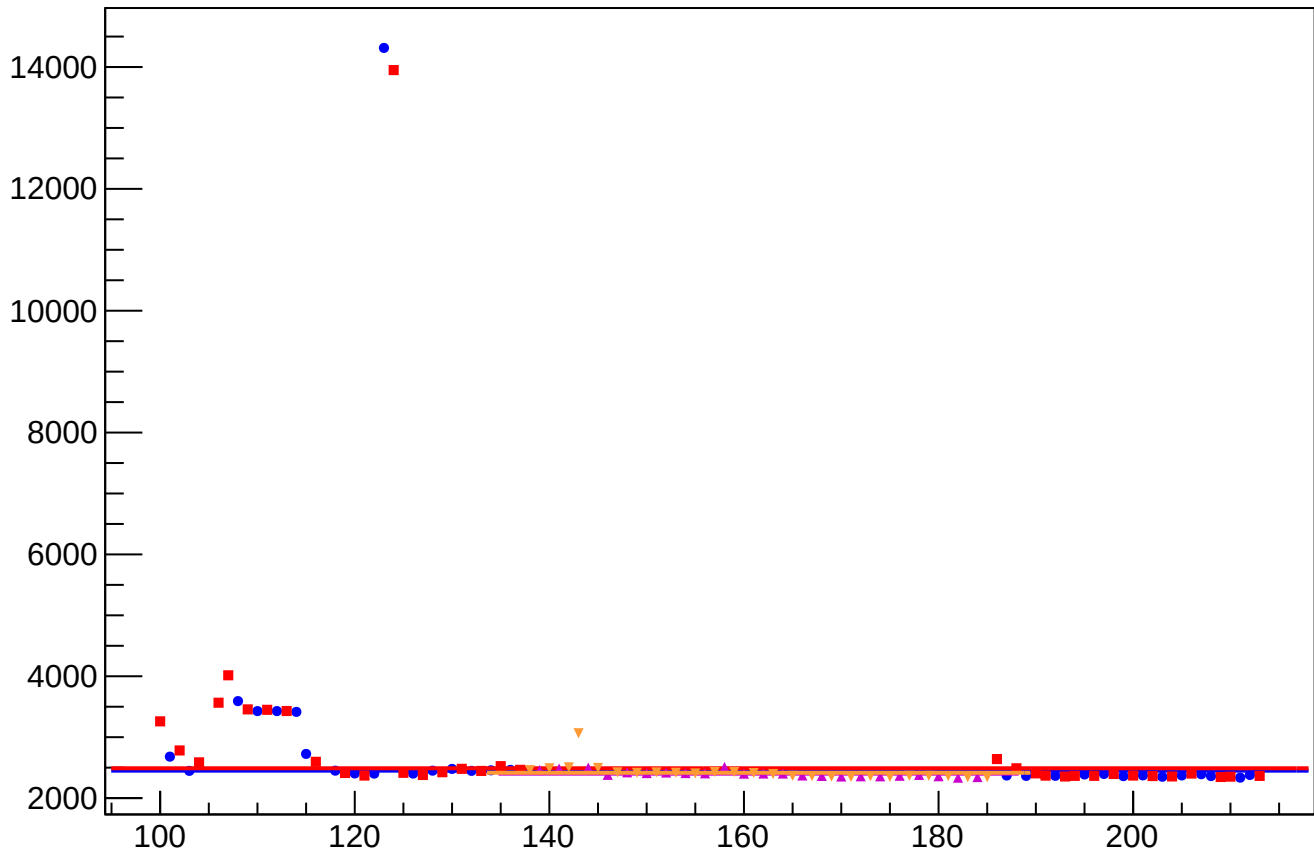
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF:24.1/22

+ sign 1366.095 $\pm$ 416.982 χ^2 /NDF: 49.2/54

All: 7.138 $\pm$ 294.889 χ^2 /NDF: 131.4/111

- sign -1352.533 $\pm$ 417.091 χ^2 /NDF: 61.0/56

reg_asym_atl1_rms vs Slug



Right In: 2450.598+/-0.438 χ^2/NDF : 311638.6/29

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

Right Out: 2489.638+/-0.428 χ^2/NDF : 648664.6/33

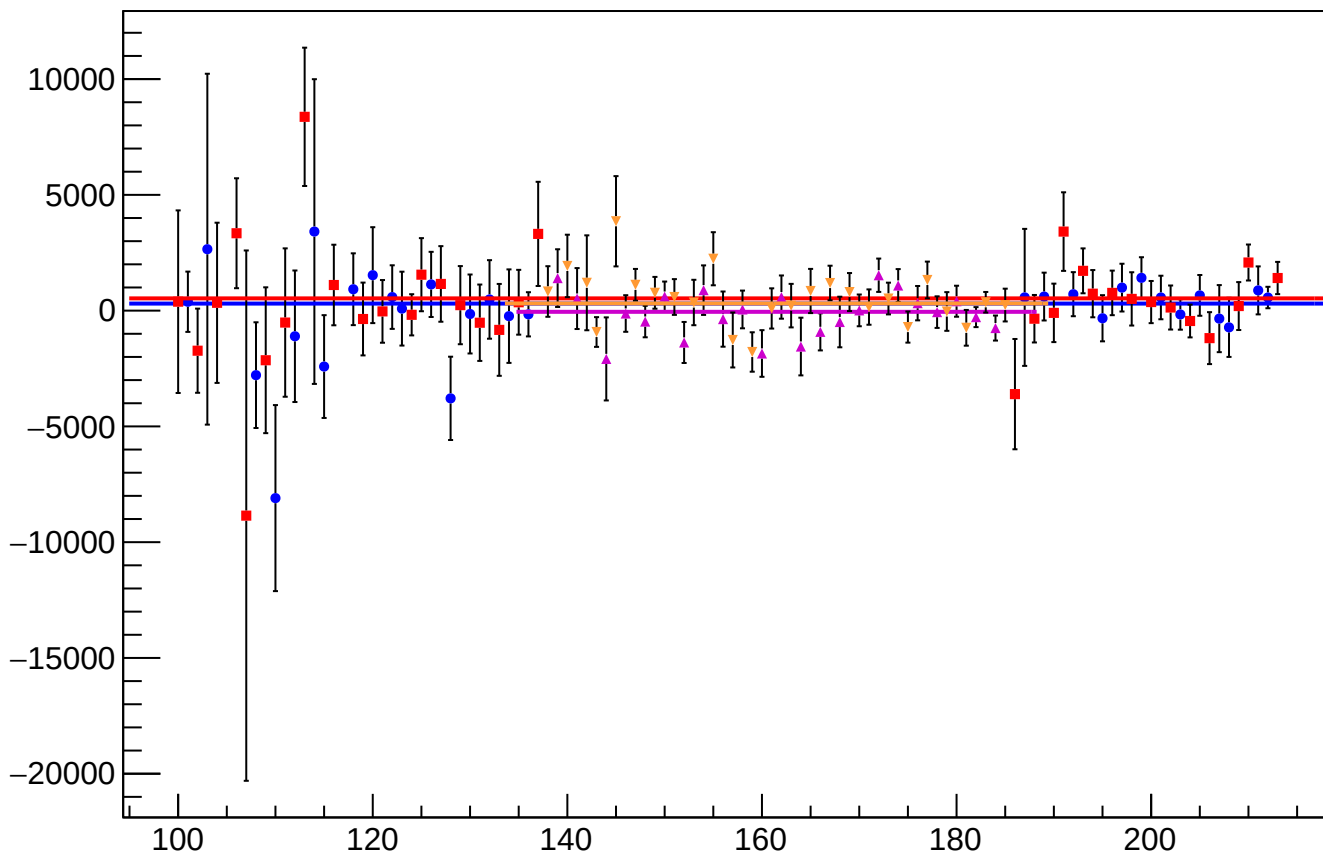
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2431.697+/-0.295 χ^2/NDF : 397683.2/54

All: 2437.530+/-0.209 χ^2/NDF : 1083191.1/11

- sign 2443.365+/-0.295 χ^2/NDF : 684725.2/56

asym_atl1_correction_mean vs Slug



Right In: 304.638 $\pm$ 211.230 χ^2 /NDF: 19.7/29

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

Right Out: 529.118 $\pm$ 214.840 χ^2 /NDF: 34.2/33

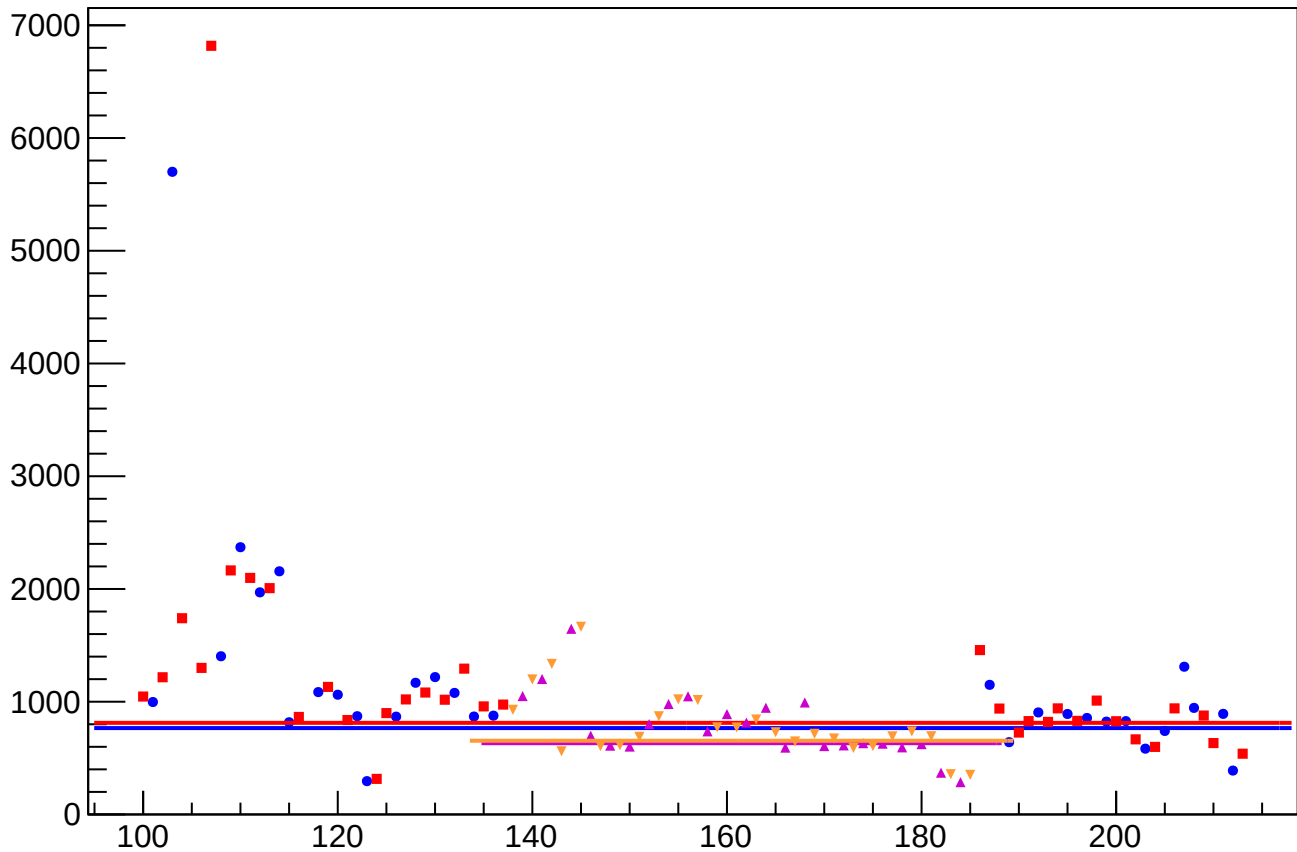
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF:23.8/22

+ sign 308.588 $\pm$ 127.870 χ^2 /NDF: 49.4/54

All: 234.366 $\pm$ 90.890 χ^2 /NDF: 112.8/111

- sign 158.571 $\pm$ 129.218 χ^2 /NDF: 62.7/56

asym_atl1_correction_rms vs Slug



Right In: 766.128 $\pm$ 0.149 χ^2 /NDF: 4498750.4/29

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

Right Out: 812.655 $\pm$ 0.152 χ^2 /NDF: 3830942.3/33

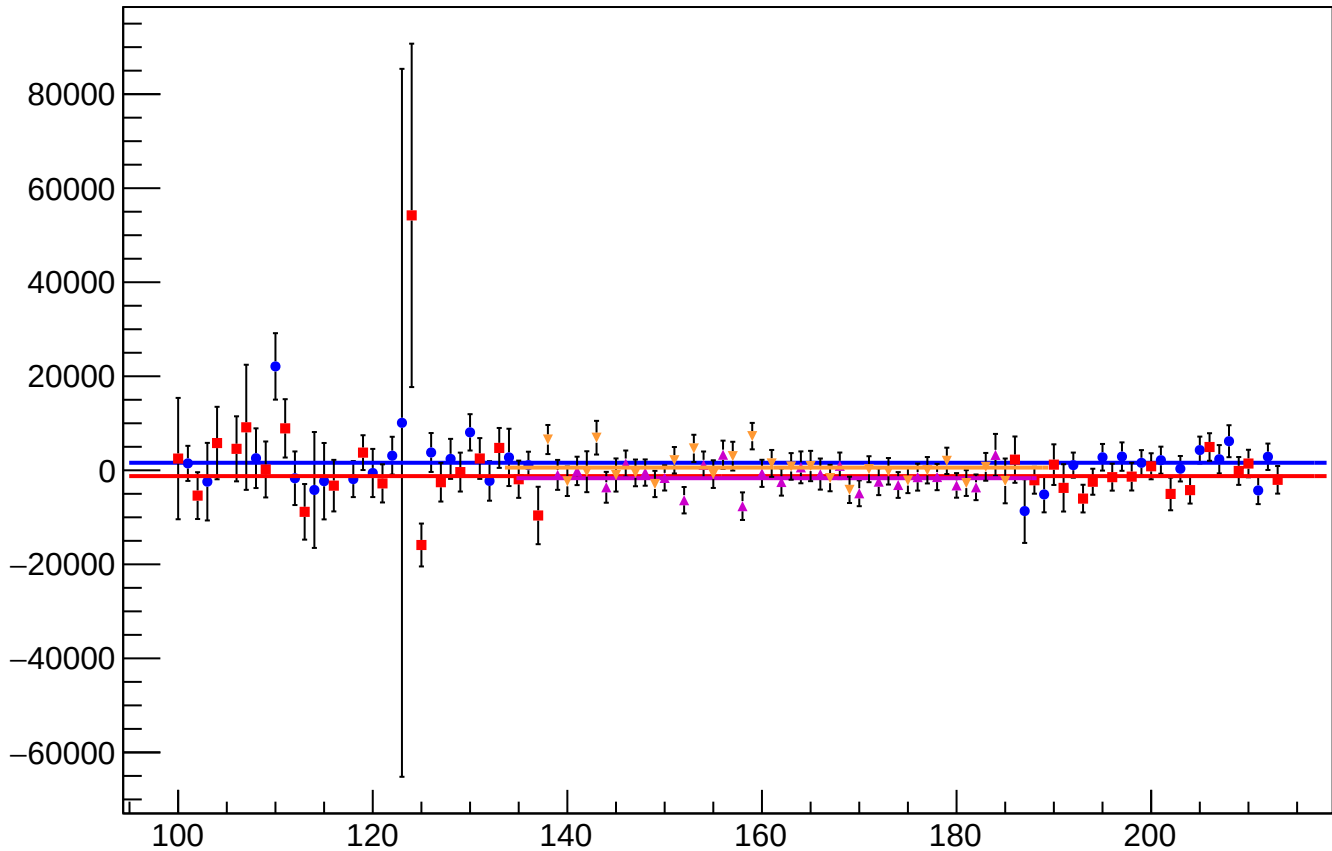
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF:3942853.4/22

+ sign 694.965 $\pm$ 0.090 χ^2 /NDF: 8111746.6/54

All: 696.163 $\pm$ 0.064 χ^2 /NDF: 16787952.5/11

- sign 697.387 $\pm$ 0.091 χ^2 /NDF: 8675851.1/56

asym_atl1_mean vs Slug



Right In: 1603.742 ± 680.361 χ^2/NDF : 27.8/29

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

Right Out: -1234.960 ± 667.743 χ^2/NDF : 39.2/33

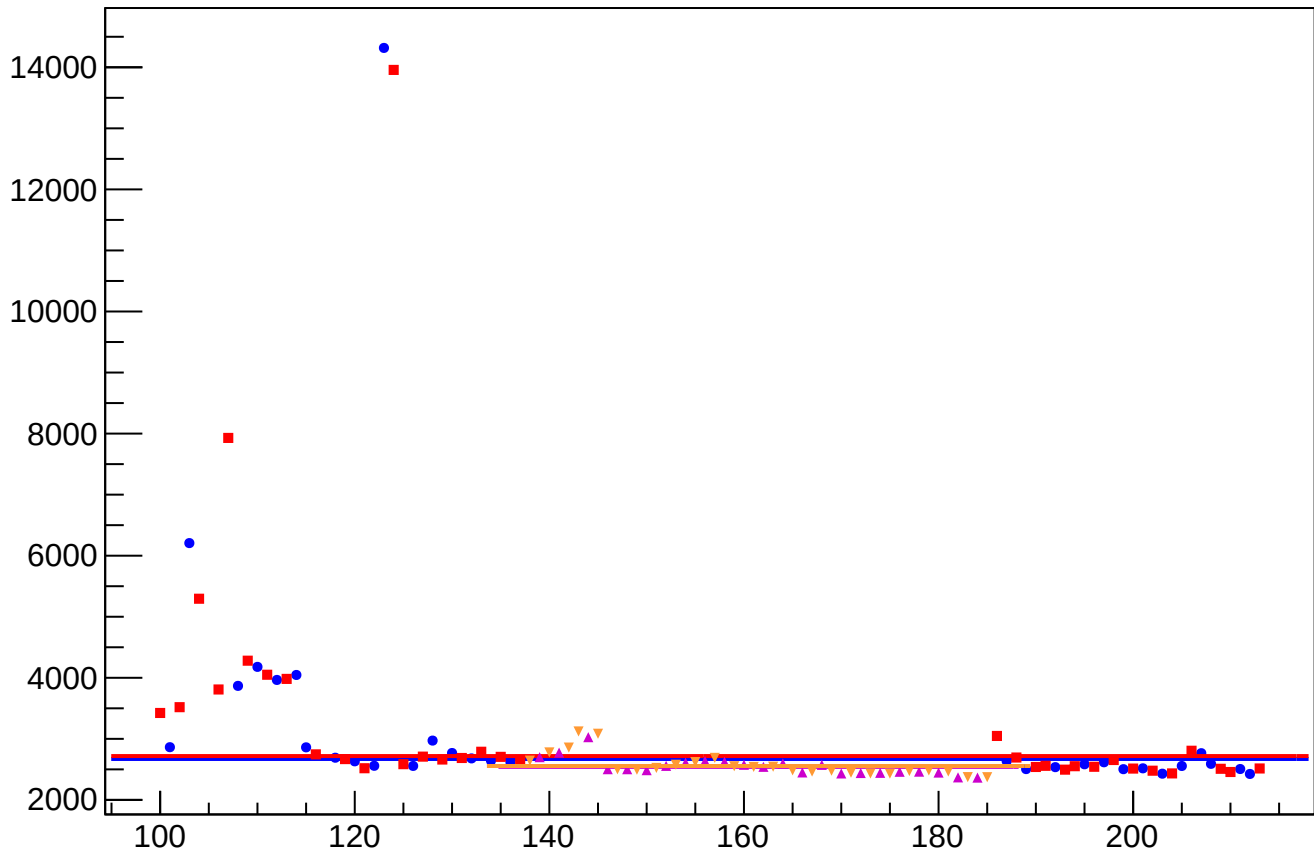
Left In: -1679.572 ± 610.111 χ^2/NDF : 18.2/22

+ sign 1025.987 ± 448.811 χ^2/NDF : 54.4/54

All: -221.186 ± 317.922 χ^2/NDF : 127.5/111

- sign -1477.278 ± 450.413 χ^2/NDF : 57.6/56

asym_atl1_rms vs Slug



Right In: 2670.443 $\pm$ 0.481 χ^2 /NDF: 795736.7/29

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

Right Out: 2717.896 $\pm$ 0.472 χ^2 /NDF: 1275992.2/33

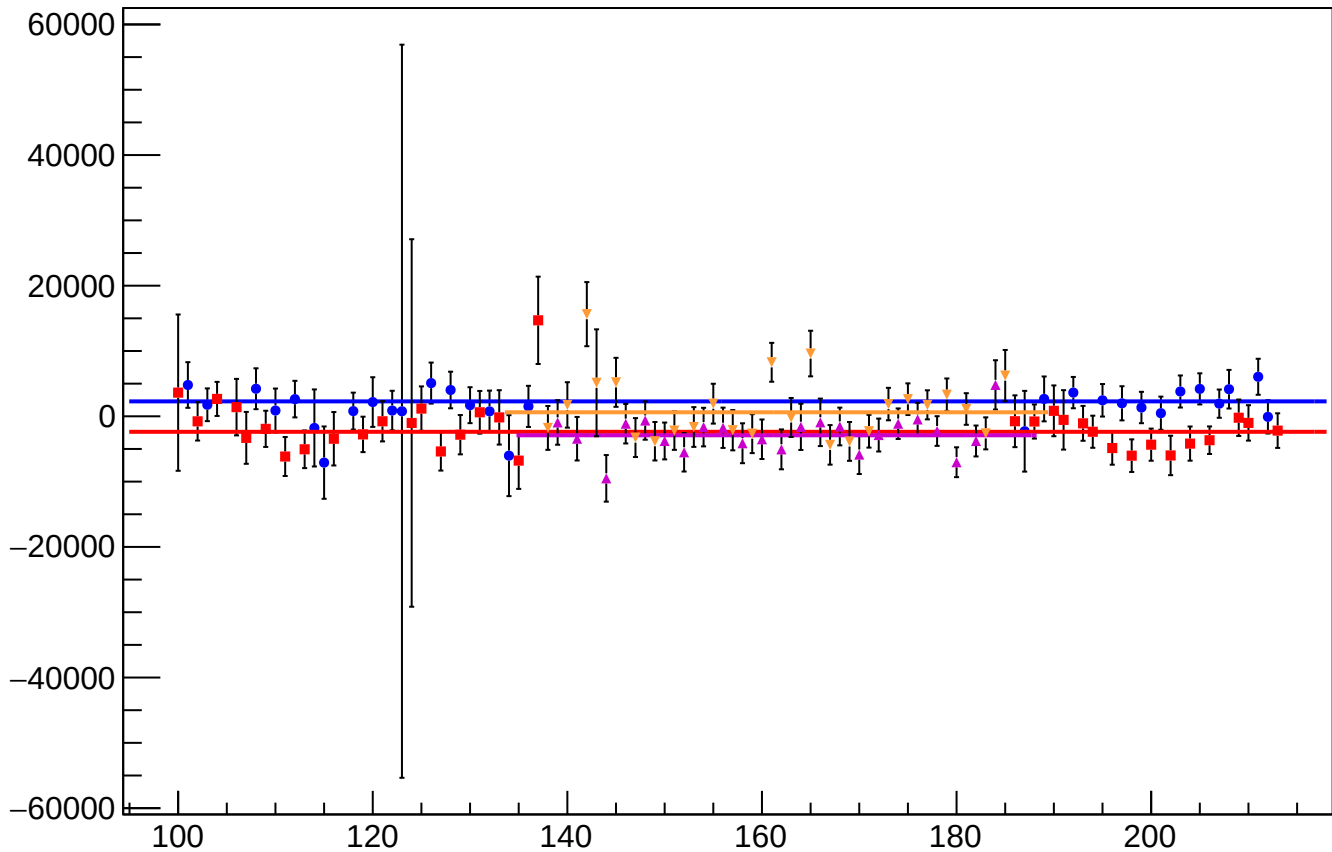
Left In: 2540.988 $\pm$ 0.431 χ^2 /NDF: 94756.7/22

+ sign 2605.394 $\pm$ 0.317 χ^2 /NDF: 982847.9/54

All: 2613.408 $\pm$ 0.225 χ^2 /NDF: 2431385.4/11

- sign 2621.479 $\pm$ 0.318 χ^2 /NDF: 1447257.5/56

reg_asym_atl2_mean vs Slug



Right In: 2285.405 $\pm$ 543.374 χ^2 /NDF: 14.0/29

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

Right Out: -2373.002 $\pm$ 527.805 χ^2 /NDF: 27.3/33

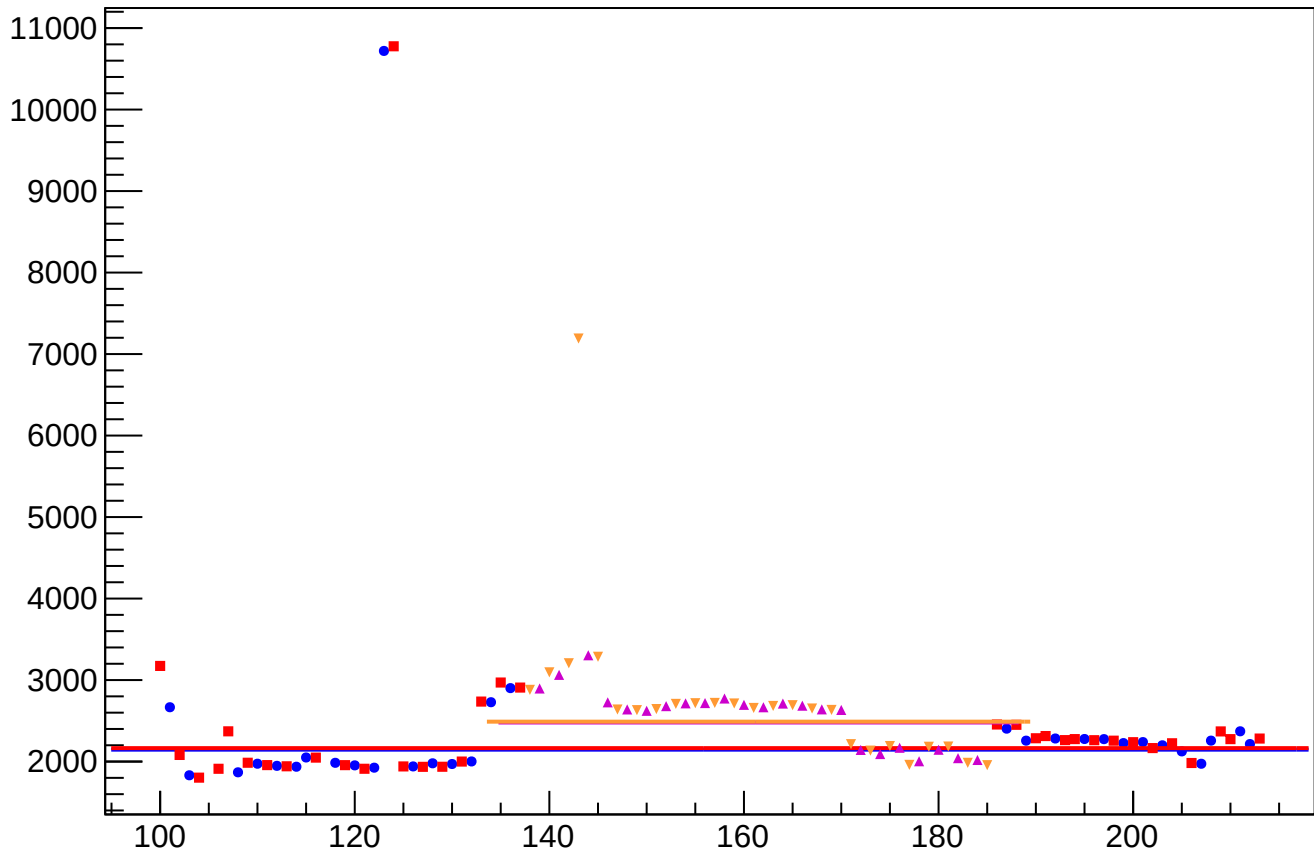
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF: 17.4/22

+ sign 1520.357 $\pm$ 400.048 χ^2 /NDF: 63.5/54

All: -563.277 $\pm$ 281.506 χ^2 /NDF: 162.4/111

- sign -2607.021 $\pm$ 396.200 χ^2 /NDF: 45.1/56

reg_asym_atl2_rms vs Slug



Right In: 2146.208 $\pm$ 0.384 χ^2 /NDF: 398547.9/29

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

Right Out: 2164.784 $\pm$ 0.373 χ^2 /NDF: 567222.4/33

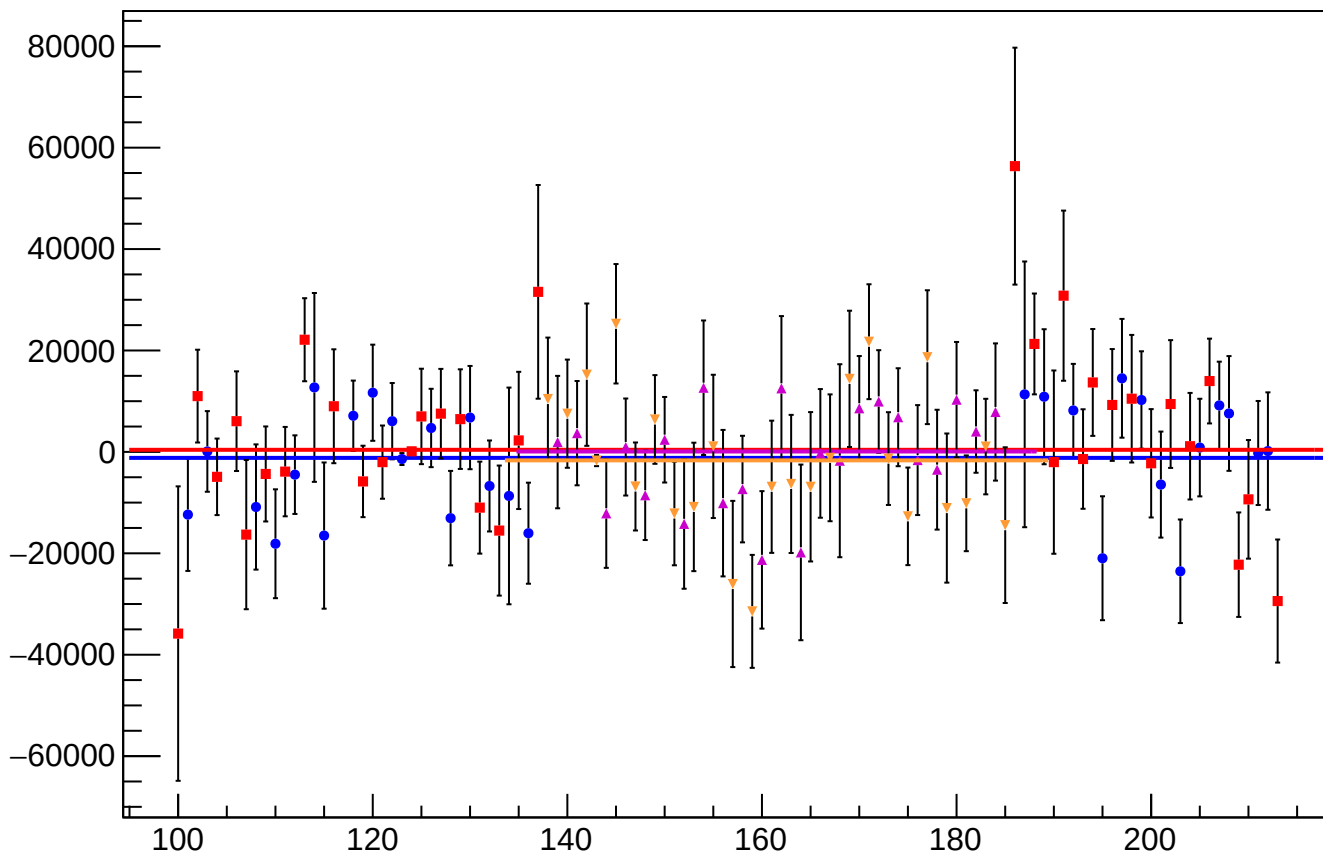
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF: 668398.2/22

+ sign 2303.459 $\pm$ 0.283 χ^2 /NDF: 2128503.2/54

All: 2302.770 $\pm$ 0.199 χ^2 /NDF: 3674237.4/11

- sign 2302.095 $\pm$ 0.280 χ^2 /NDF: 1545722.4/56

asym_atl2_correction_mean vs Slug



Right In: -1178.842 $\pm$ 994.762 χ^2 /NDF: 30.9/29

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

Right Out: 412.462 $\pm$ 676.864 χ^2 /NDF: 52.2/33

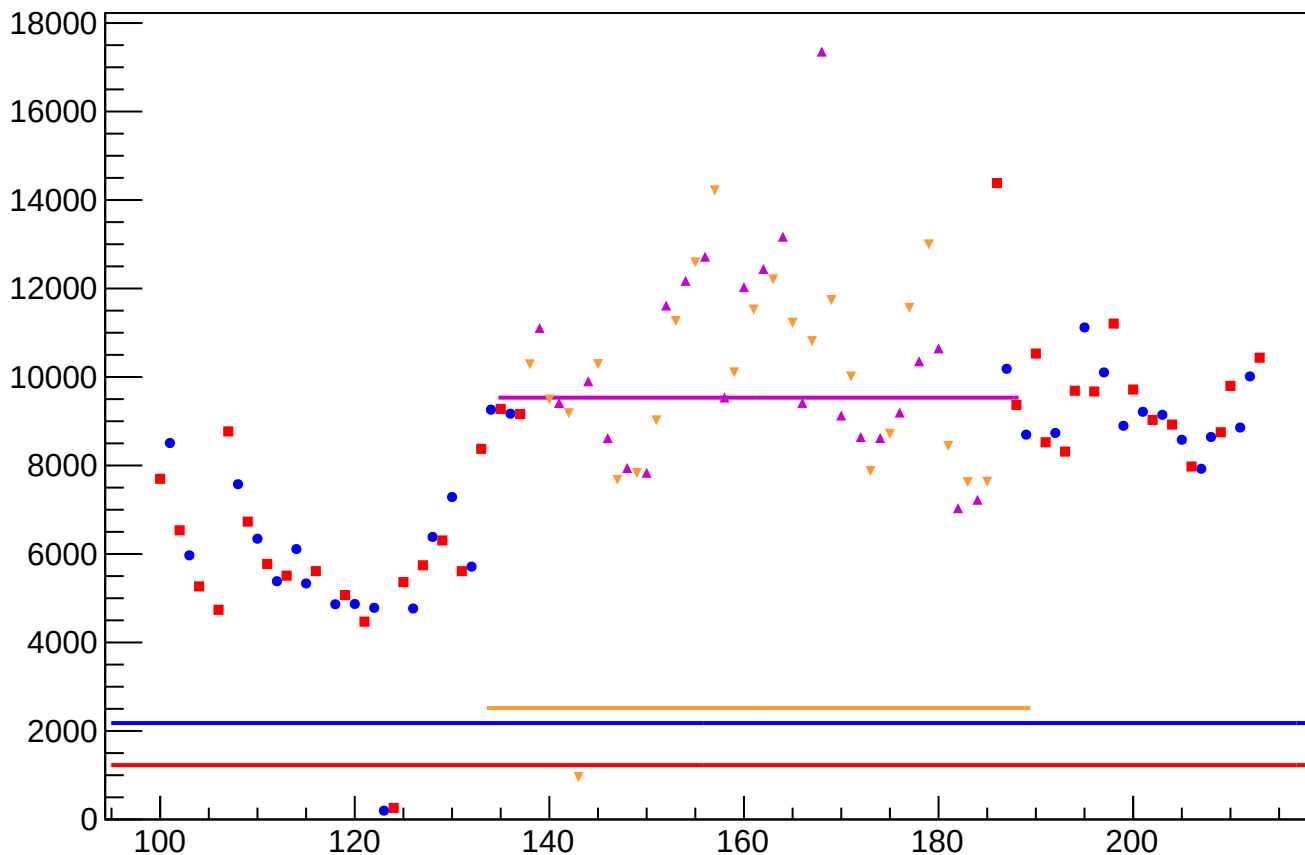
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1422.546 $\pm$ 702.800 χ^2 /NDF: 63.4/54

All: -447.483 $\pm$ 477.206 χ^2 /NDF: 132.9/111

- sign 386.641 $\pm$ 650.026 χ^2 /NDF: 66.0/56

asym_atl2_correction_rms vs Slug



Right In: 2178.743 $\pm$ 0.703 χ^2 /NDF: 22011049.1/29

Left Out: 2519.359 $\pm$ 0.702 χ^2 /NDF: 23642118.3/24

Right Out: 1228.877 $\pm$ 0.479 χ^2 /NDF: 27579819.7/33

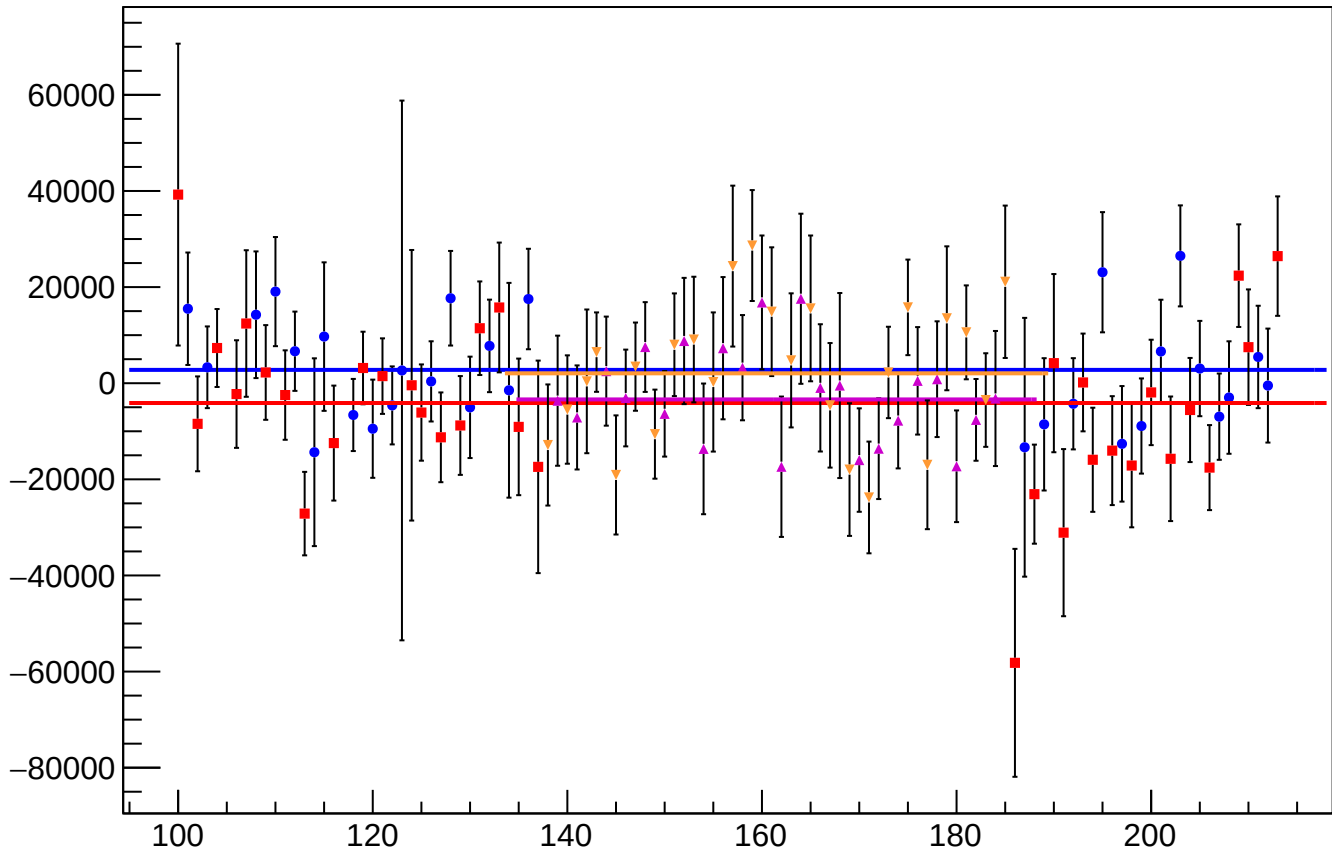
Left In: 9533.563 $\pm$ 1.649 χ^2 /NDF: 1316640.0/22

+ sign 2349.343 $\pm$ 0.497 χ^2 /NDF: 45770612.3/54

All: 2093.365 $\pm$ 0.337 χ^2 /NDF: 98561357.5/100

- sign 1874.387 $\pm$ 0.460 χ^2 /NDF: 52298454.6/56

asym_atl2_mean vs Slug



Right In: 2774.403+/-1963.485 χ^2/NDF : 28.3/29

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

Right Out: -4118.387+/-1900.175 χ^2/NDF : 51.4/33

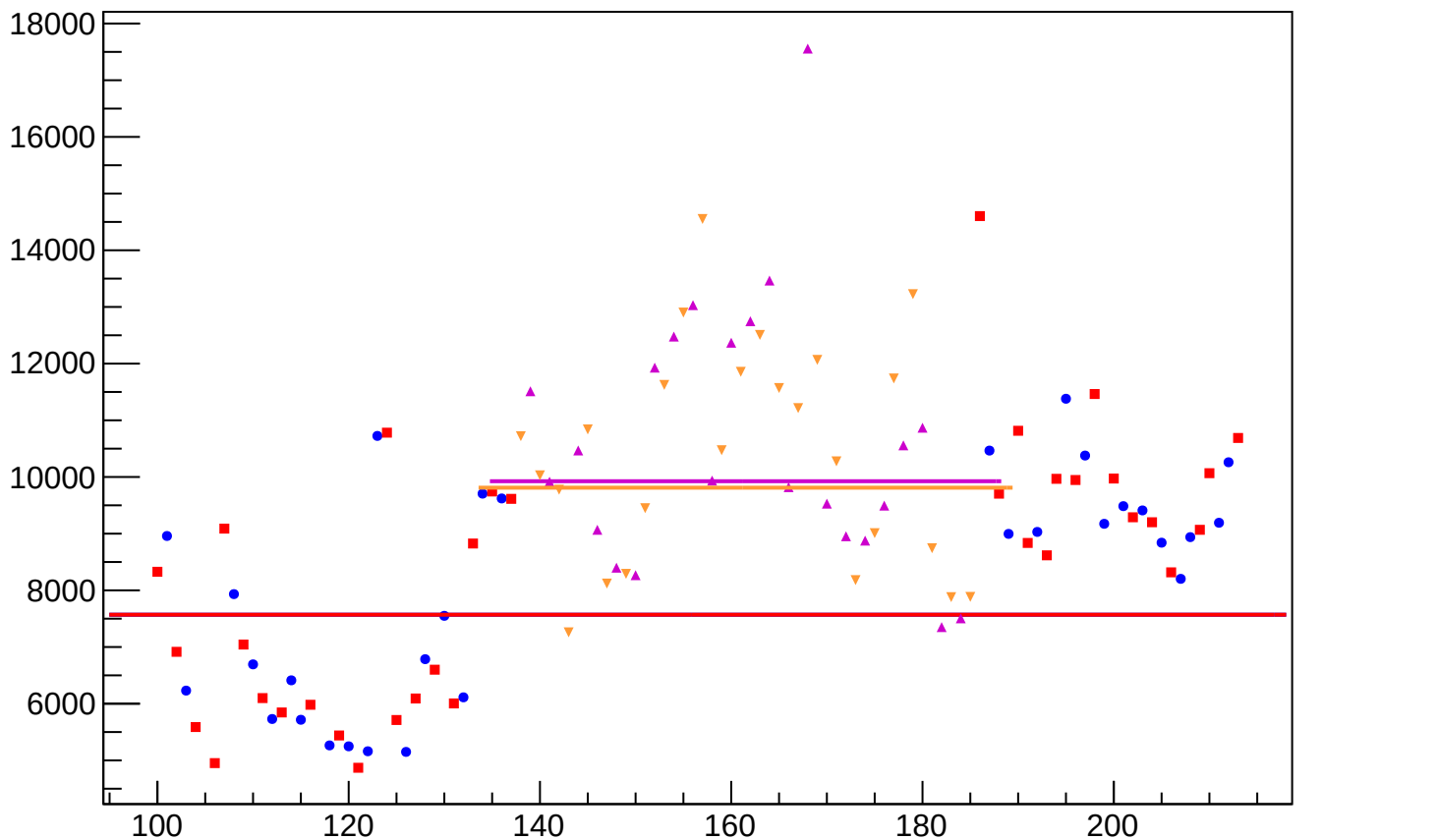
Left In: -3371.931+/-2423.242 χ^2/NDF :13.1/22

+ sign 2476.587+/-1502.387 χ^2/NDF : 59.1/54

All: -693.749+/-1059.827 χ^2/NDF : 132.5/111

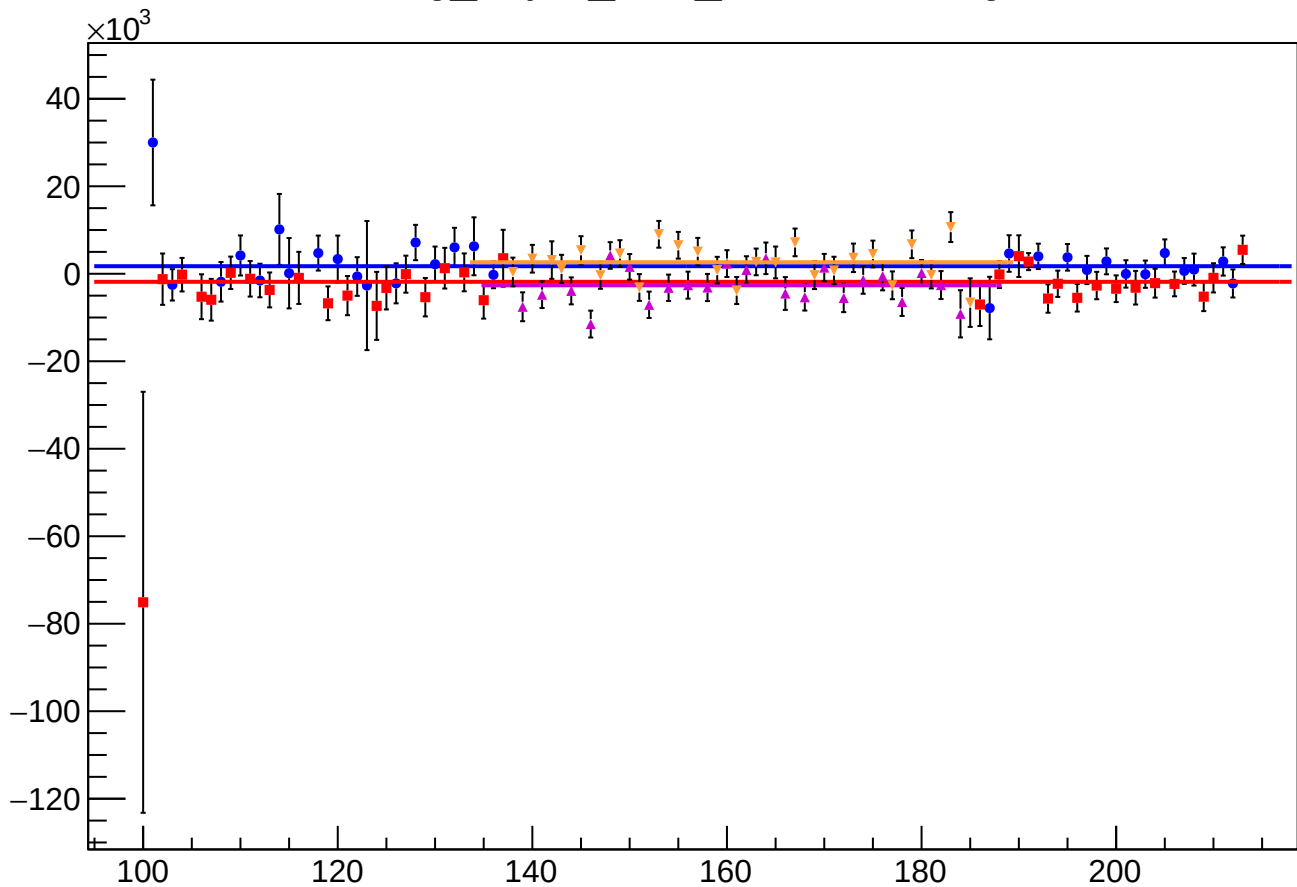
- sign -3834.166+/-1495.281 χ^2/NDF : 64.6/56

asym_atl2_rms vs Slug



Right In: 7569.582 $\pm$ 1.388	χ^2 /NDF: 1806726.0/29	+ sign 8498.697 $\pm$ 1.062	χ^2 /NDF: 4100998.8/54
Left Out: 9811.053 $\pm$ 1.650	χ^2 /NDF: 1213831.0/24	All: 8482.656 $\pm$ 0.749	χ^2 /NDF: 8769417.5/11
Right Out: 7570.018 $\pm$ 1.344	χ^2 /NDF: 2286337.3/33	- sign 8466.768 $\pm$ 1.057	χ^2 /NDF: 4667965.0/56
Left In: 9925.337 $\pm$ 1.713	χ^2 /NDF: 1211554.7/22		

reg_asym_atr1_mean vs Slug



Right In: 1728.534 ± 709.617 χ^2/NDF : 20.4/29

Left Out: 2635.833 ± 646.121 χ^2/NDF : 35.1/24

Right Out: -1838.518 ± 645.890 χ^2/NDF : 28.2/33

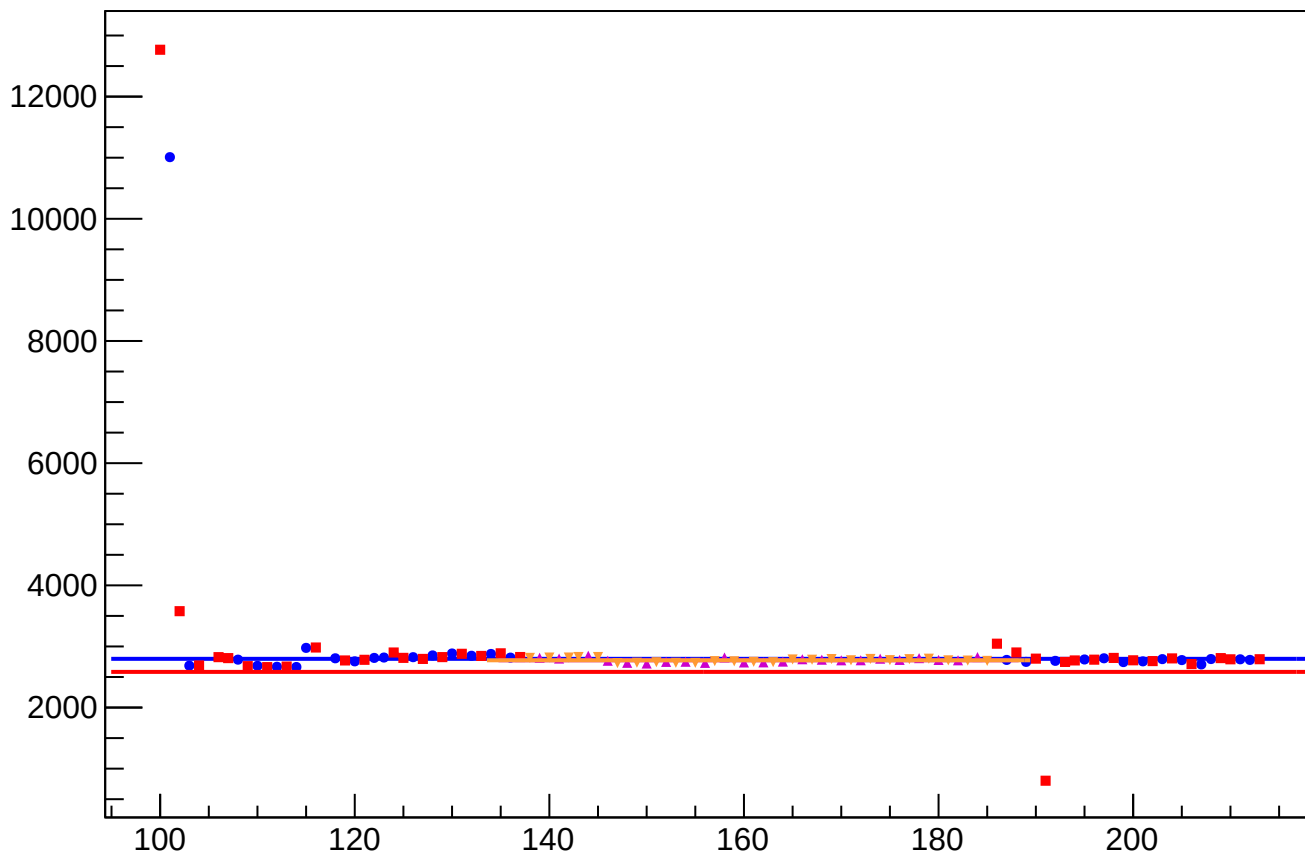
Left In: -2638.607 ± 664.569 χ^2/NDF : 35.2/22

+ sign 2224.584 ± 477.750 χ^2/NDF : 56.3/54

All: -70.227 ± 332.548 χ^2/NDF : 165.2/111

- sign -2227.160 ± 463.176 χ^2/NDF : 64.2/56

reg_asym_atr1_rms vs Slug



Right In: 2797.450+/-0.502 χ^2/NDF : 666686.4/29

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

Right Out: 2583.684+/-0.457 χ^2/NDF : 2022414.6/33

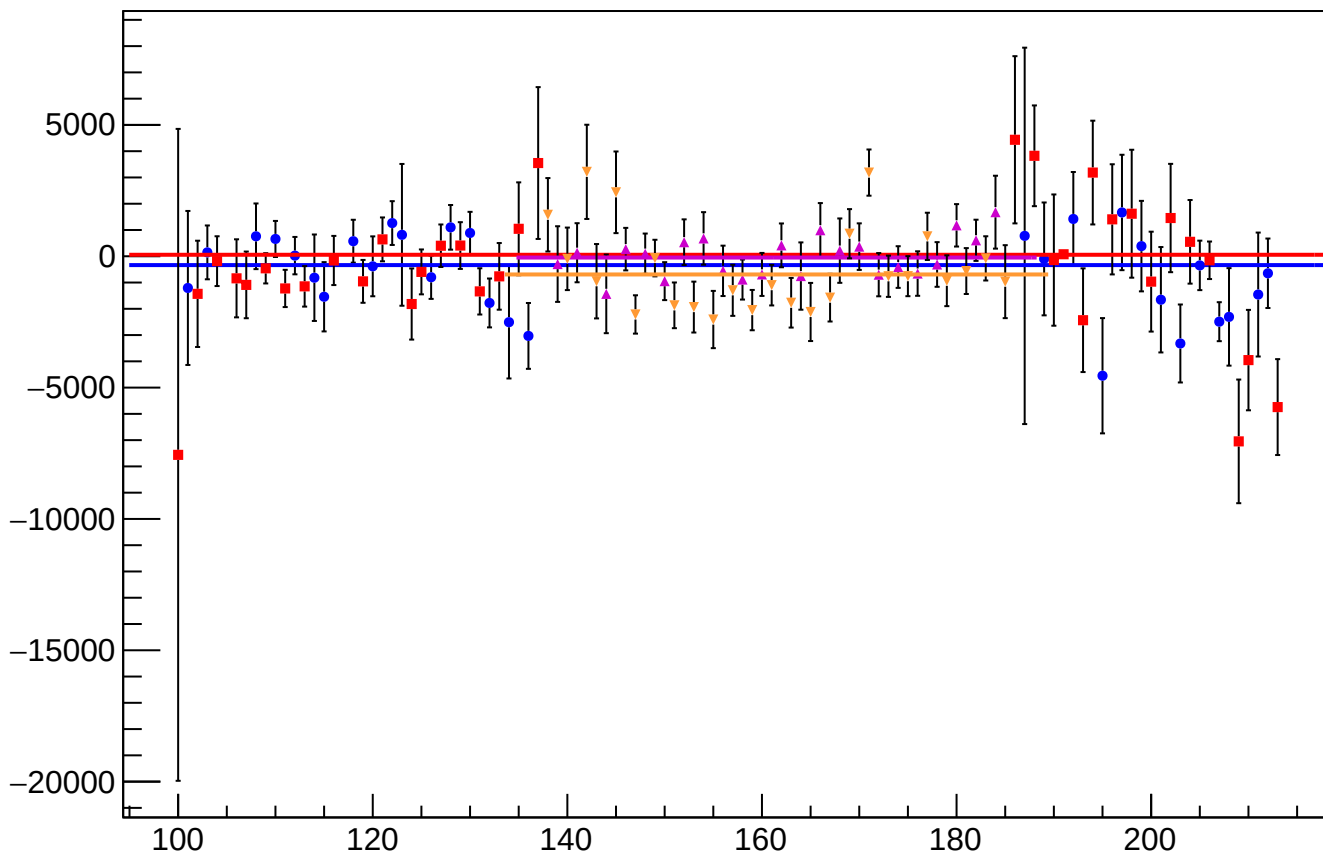
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2784.473+/-0.338 χ^2/NDF : 672526.4/54

All: 2728.632+/-0.235 χ^2/NDF : 2837310.5/11

- sign 2676.147+/-0.328 χ^2/NDF : 2111780.3/56

asym_atr1_correction_mean vs Slug



Right In: -336.072 ± 208.512 χ^2/NDF : 43.0/29

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

Right Out: 56.733 ± 37.802 χ^2/NDF : 53.8/33

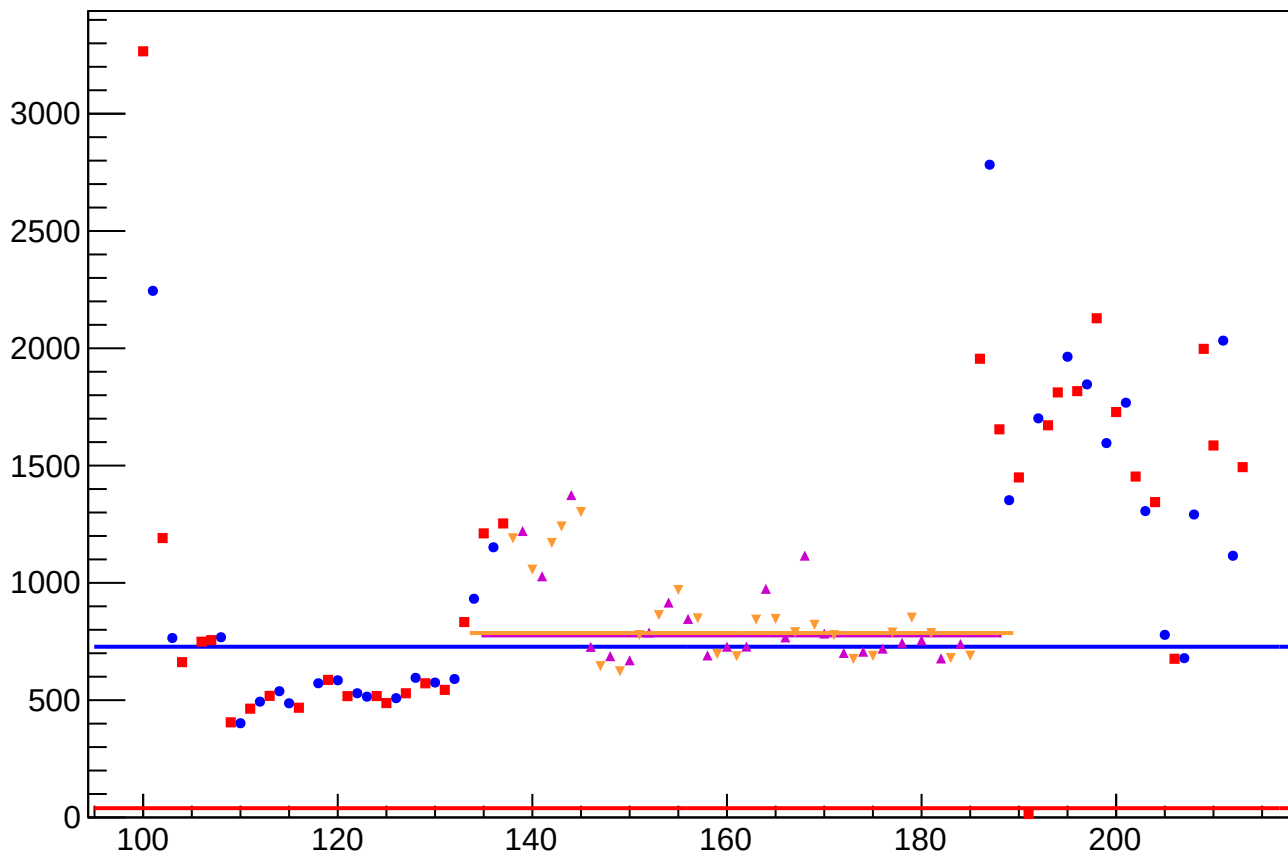
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -533.505 ± 139.338 χ^2/NDF : 100.6/54

All: 13.919 ± 35.824 χ^2/NDF : 184.9/111

- sign 52.665 ± 37.070 χ^2/NDF : 67.7/56

asym_atr1_correction_rms vs Slug



Right In: 727.758+/-0.147 χ^2/NDF : 6497670.2/29

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

Right Out: 39.469+/-0.027 χ^2/NDF : 30838728.6/33

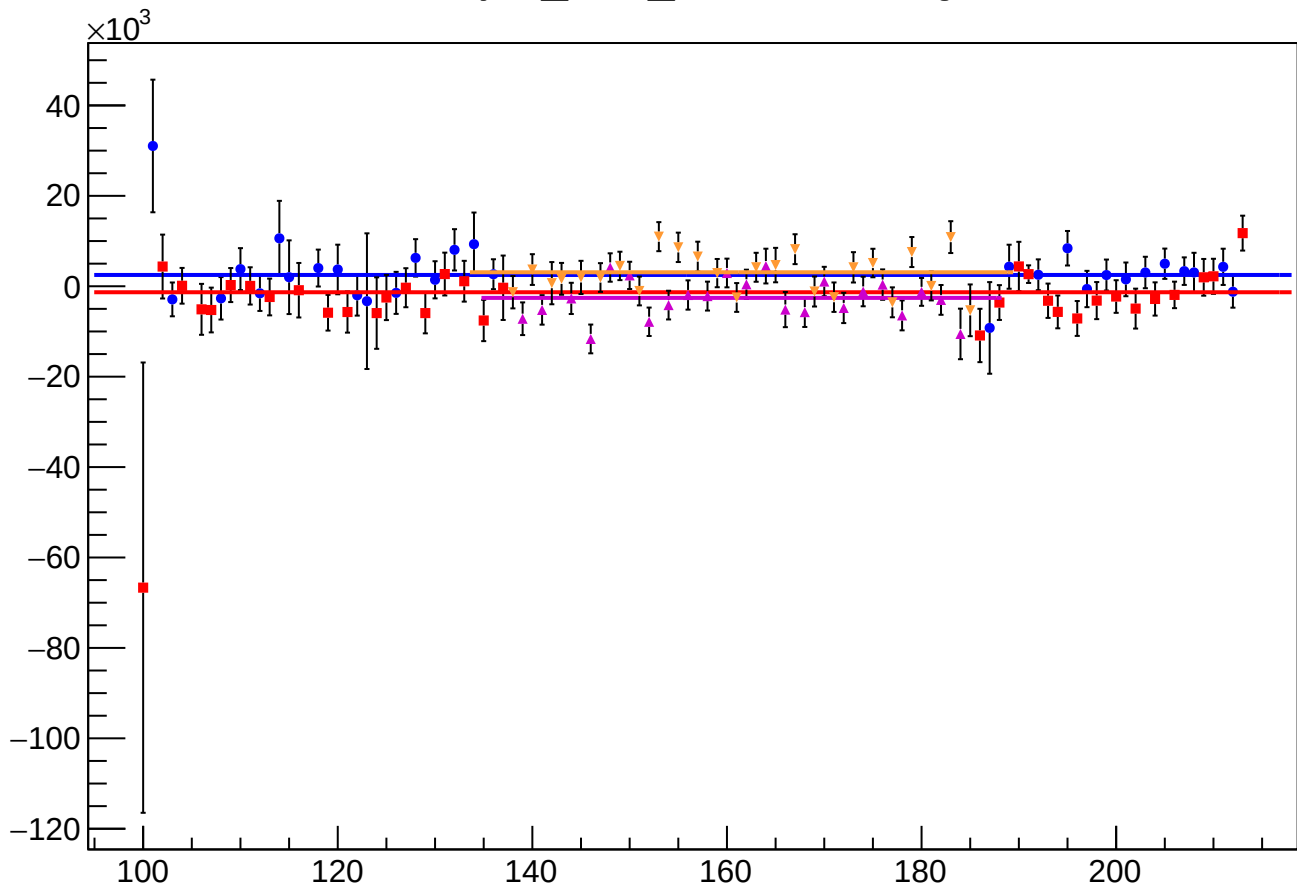
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

+ sign 760.088+/-0.099 χ^2/NDF : 7834080.6/54

All: 113.508+/-0.025 χ^2/NDF : 114986935.9/1

- sign 67.744+/-0.026 χ^2/NDF : 61038336.3/56

asym_atr1_mean vs Slug



Right In: 2499.990 ± 782.169 χ^2/NDF : 21.1/29

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

Right Out: -1324.805 ± 709.806 χ^2/NDF : 36.9/33

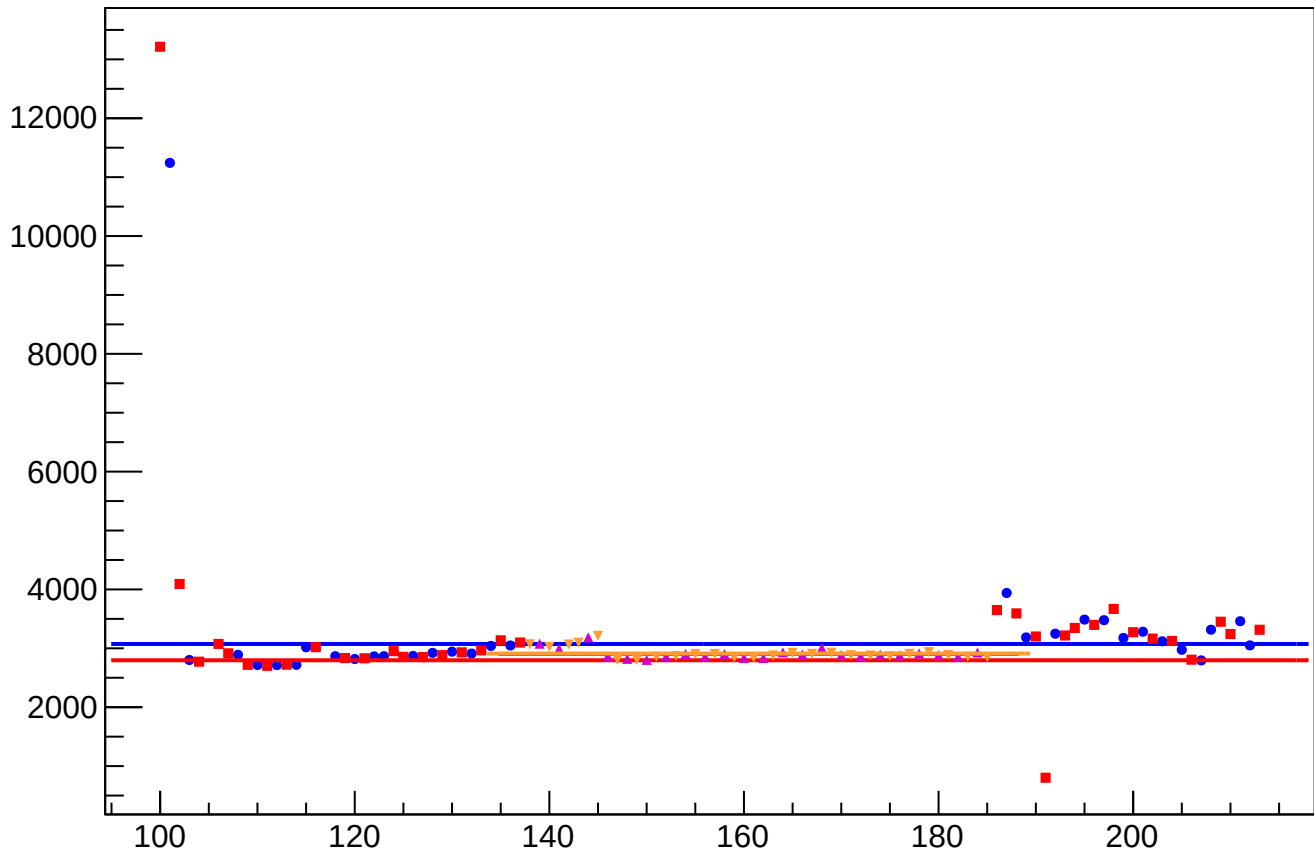
Left In: -2573.184 ± 695.795 χ^2/NDF : 35.7/22

+ sign 2839.409 ± 512.538 χ^2/NDF : 60.1/54

All: 364.536 ± 356.755 χ^2/NDF : 179.5/111

- sign -1961.438 ± 496.881 χ^2/NDF : 74.2/56

asym_atr1_rms vs Slug



Right In: 3073.661+/-0.553 χ^2/NDF : 808453.6/29

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

Right Out: 2796.974+/-0.502 χ^2/NDF : 2808394.0/33

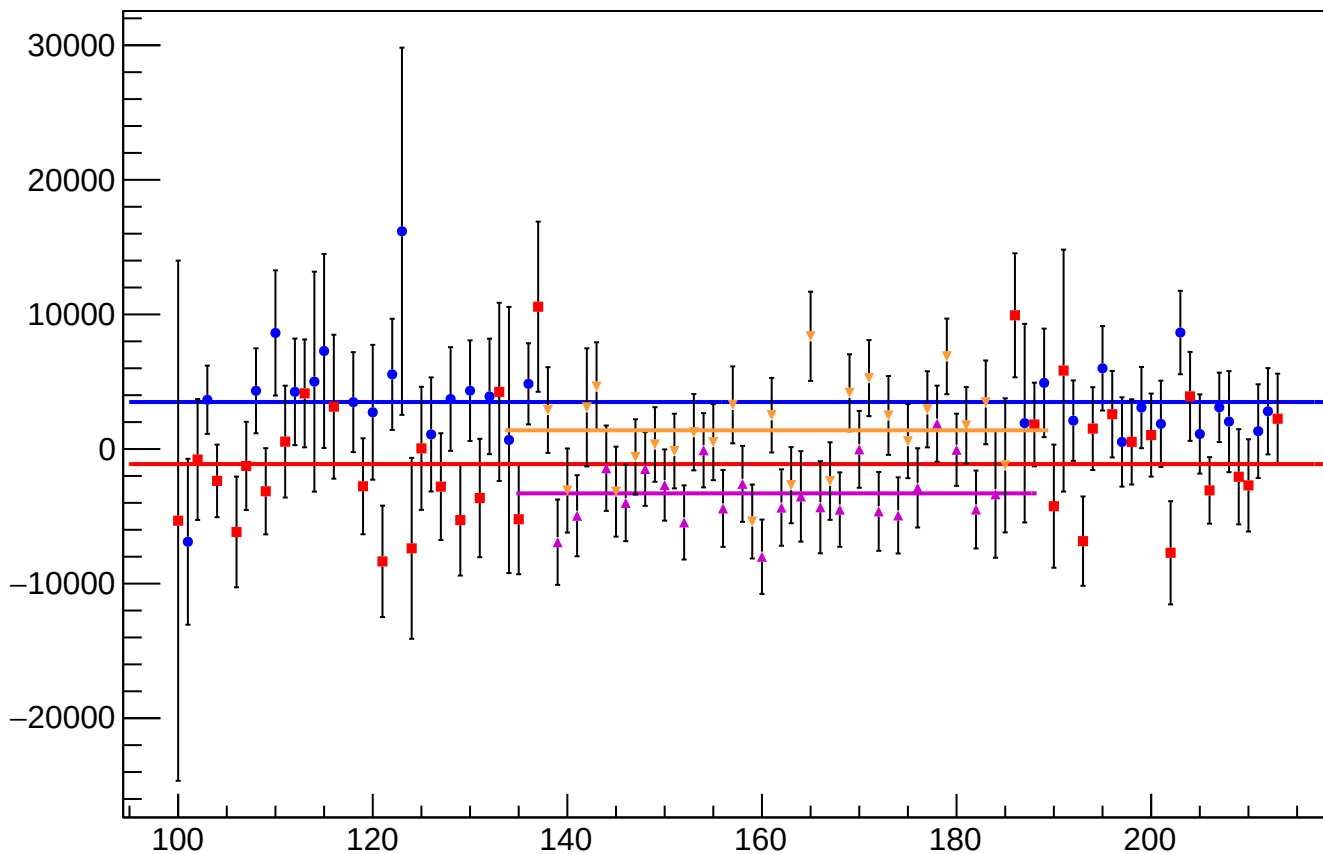
Left In: 2903.411+/-0.492 χ^2/NDF :28838.5/22

+ sign 2980.974+/-0.362 χ^2/NDF : 894316.3/54

All: 2914.102+/-0.252 χ^2/NDF : 3820526.2/11

- sign 2851.253+/-0.351 χ^2/NDF : 2860166.3/56

reg_asym_atr2_mean vs Slug



Right In: 3492.014+/-676.635 χ^2/NDF : 12.4/29

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

Right Out: -1116.649+/-649.458 χ^2/NDF : 36.2/33

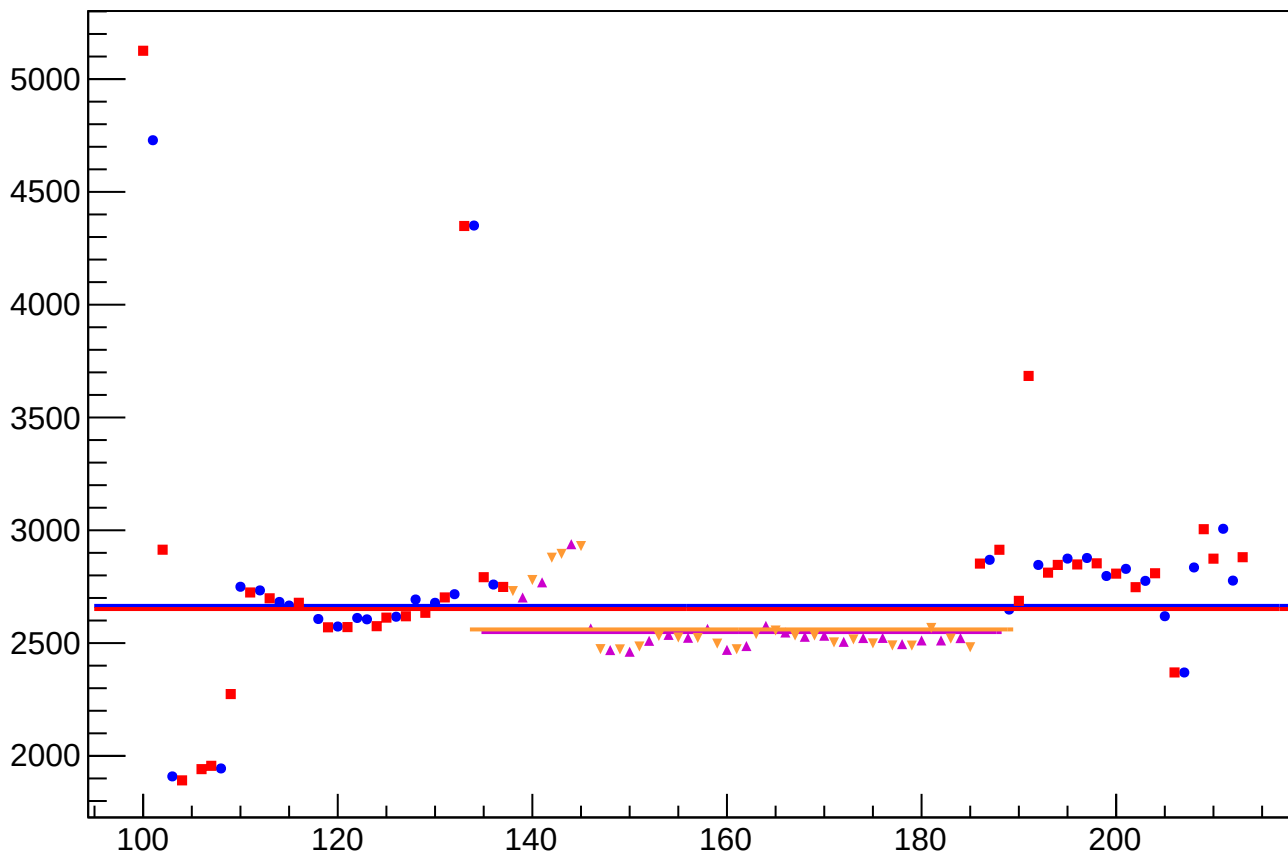
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2309.405+/-447.459 χ^2/NDF : 47.0/54

All: 3.045+/-315.395 χ^2/NDF : 156.9/111

- sign -2274.215+/-444.627 χ^2/NDF : 57.1/56

reg_asym_atr2_rms vs Slug



Right In: 2664.866 $\pm$ 0.478 χ^2 /NDF: 659749.9/29

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

Right Out: 2650.943 $\pm$ 0.459 χ^2 /NDF: 661838.5/33

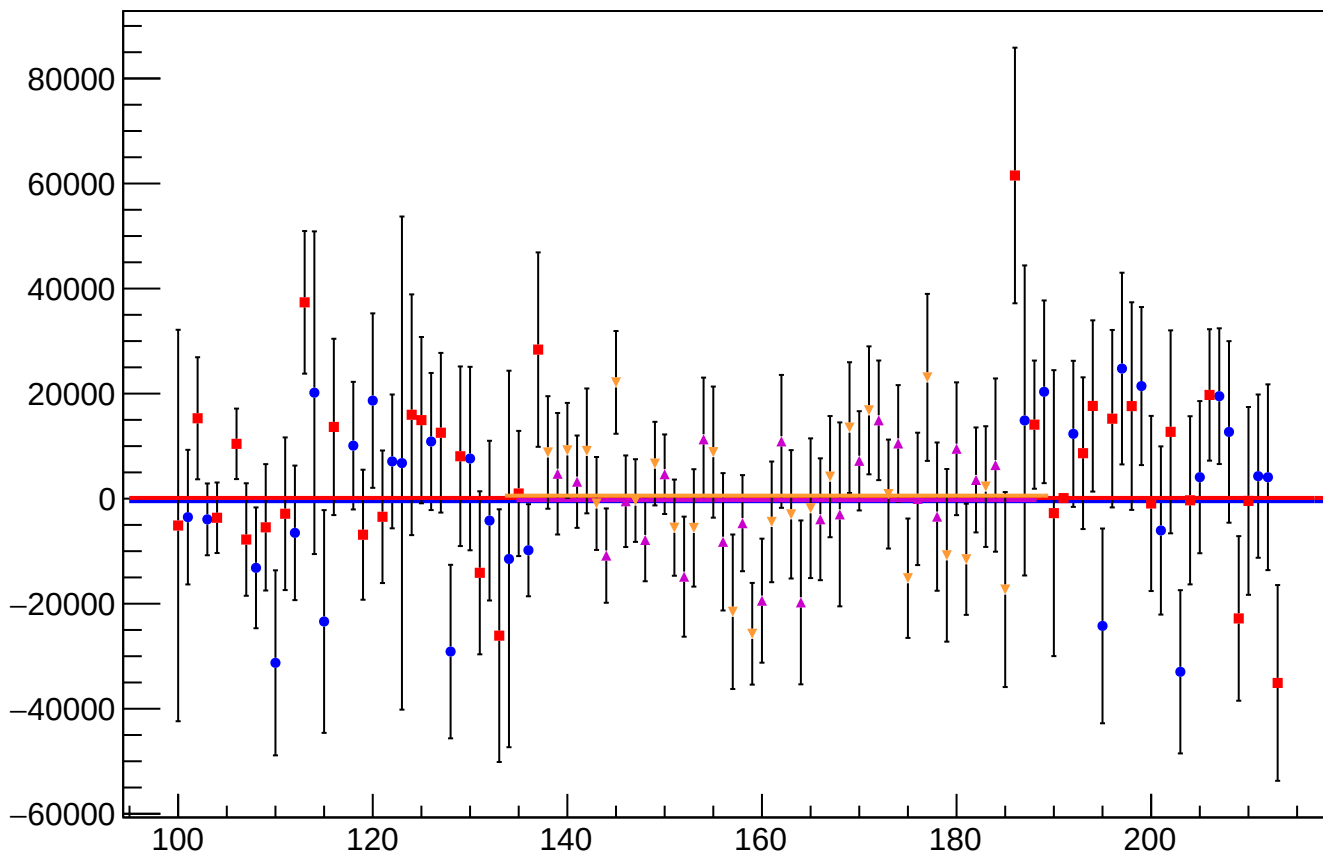
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2606.159 $\pm$ 0.316 χ^2 /NDF: 773278.6/54

All: 2601.405 $\pm$ 0.223 χ^2 /NDF: 1517079.8/11

- sign 2596.711 $\pm$ 0.314 χ^2 /NDF: 743352.5/56

asym_atr2_correction_mean vs Slug



Right In: -481.872 ± 2625.760 χ^2/NDF : 30.1/29

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

Right Out: 138.293 ± 194.905 χ^2/NDF : 39.8/33

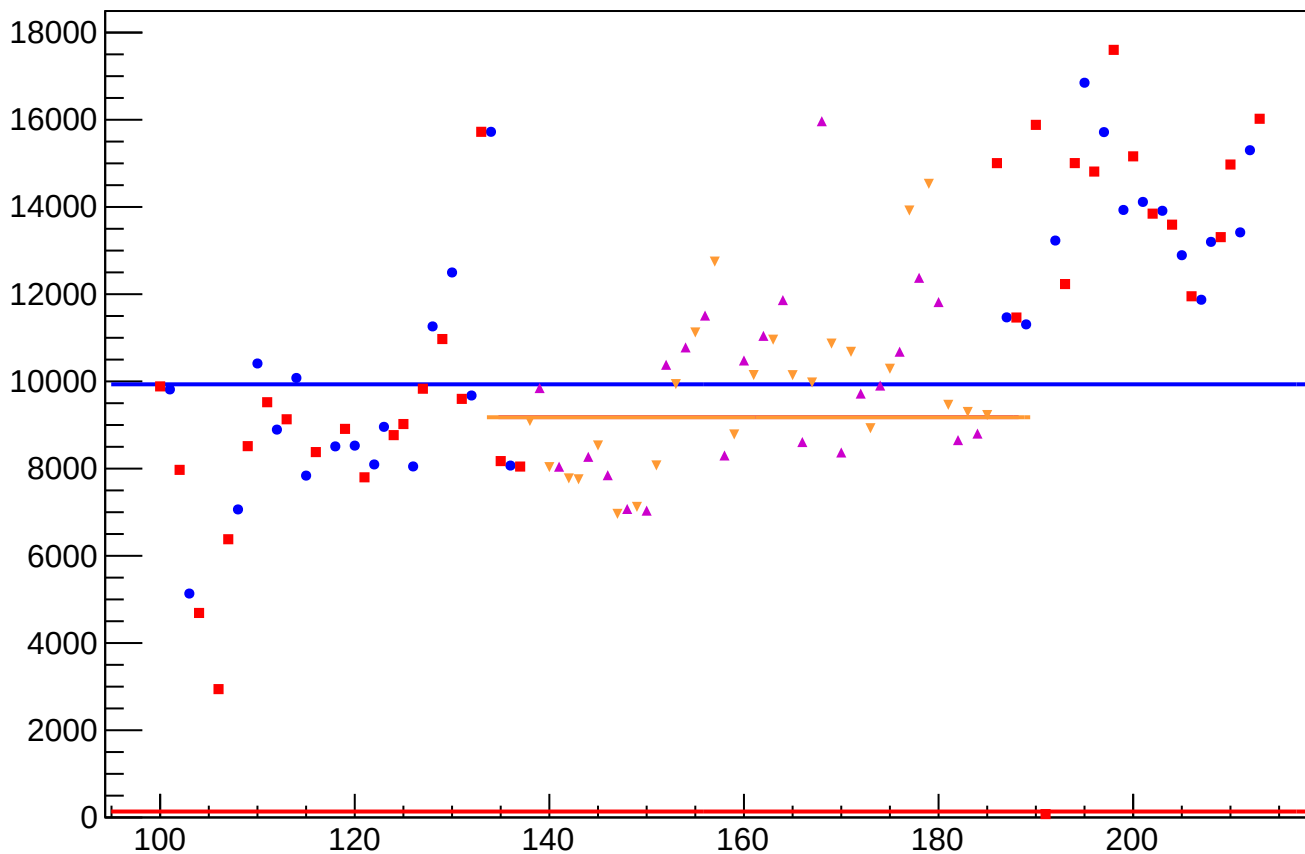
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign 141.243 ± 1679.265 χ^2/NDF : 58.5/54

All: 135.274 ± 192.888 χ^2/NDF : 113.9/111

- sign 135.194 ± 194.174 χ^2/NDF : 55.5/56

asym_atr2_correction_rms vs Slug



Right In: 9933.025+/-1.857 χ^2/NDF : 2973301.7/29

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

Right Out: 136.036+/-0.138 χ^2/NDF : 32825558.1/33

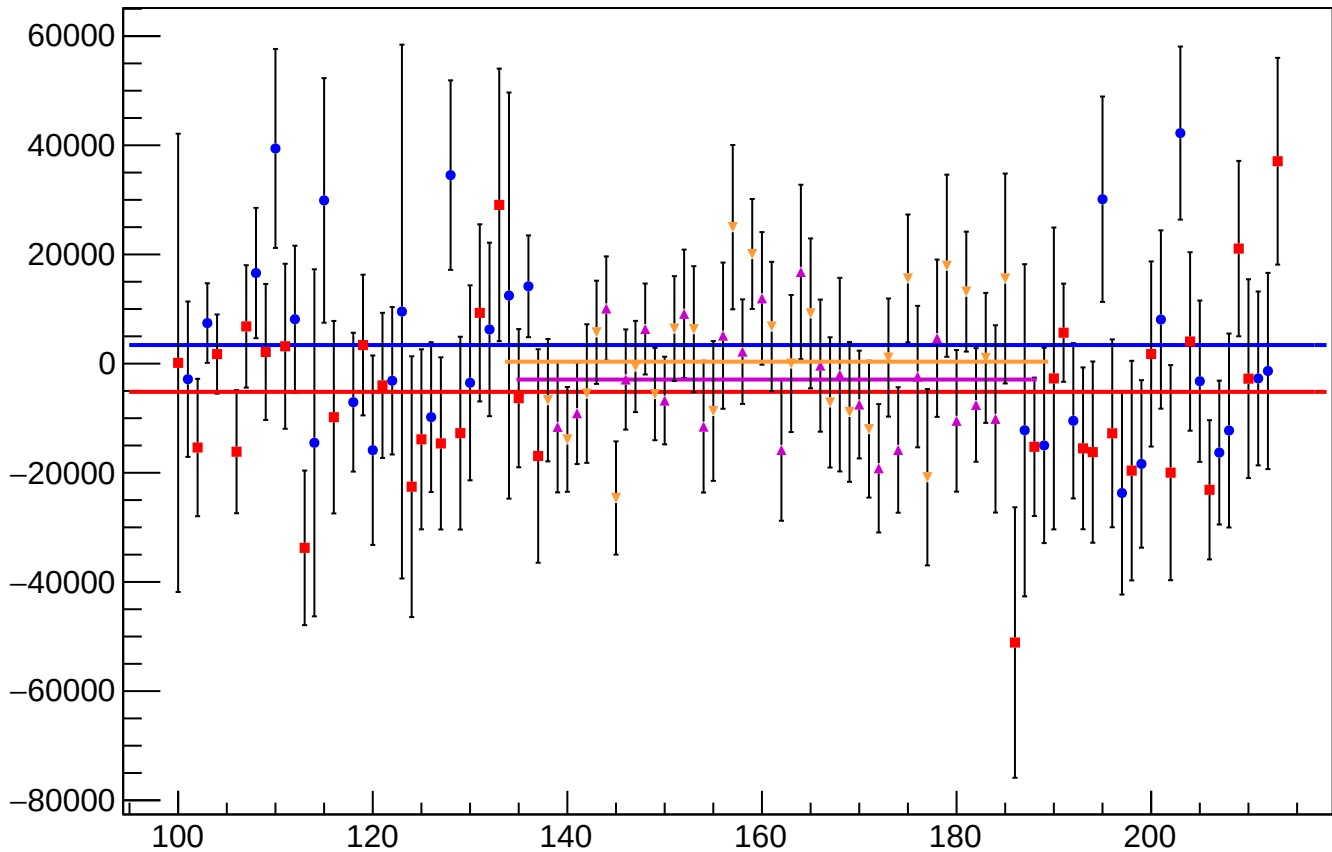
Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

+ sign 9486.624+/-1.187 χ^2/NDF : 4247308.1/54

All: 326.309+/-0.136 χ^2/NDF : 130903451.4/1

- sign 203.832+/-0.137 χ^2/NDF : 66347382.3/56

asym_atr2_mean vs Slug



Right In: 3402.727 $\pm$ 2742.218 χ^2 /NDF: 33.3/29

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

Right Out: -5175.602 $\pm$ 2496.242 χ^2 /NDF: 31.2/33

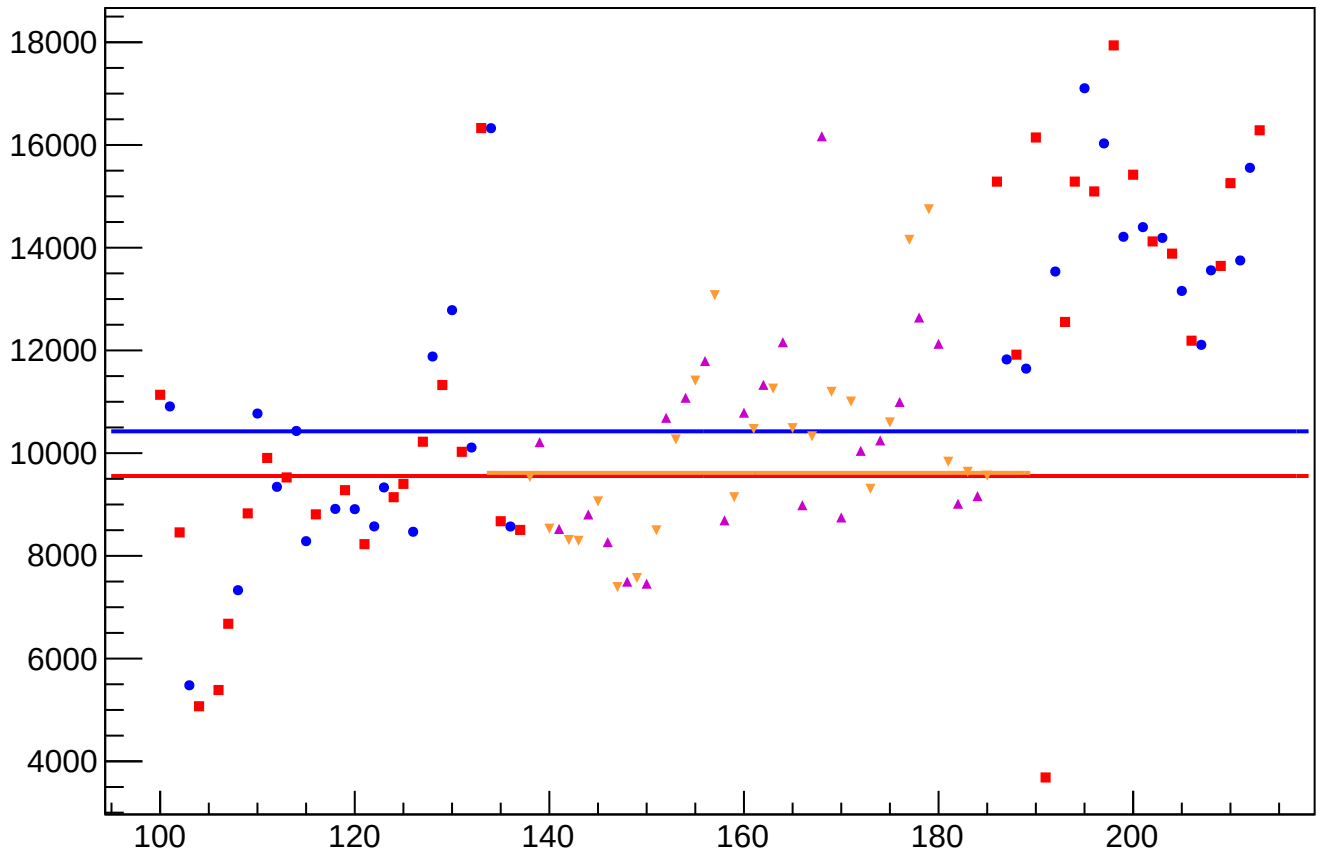
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1602.234 $\pm$ 1753.937 χ^2 /NDF: 60.2/54

All: -1261.840 $\pm$ 1223.140 χ^2 /NDF: 112.0/111

- sign -3973.392 $\pm$ 1706.597 χ^2 /NDF: 46.5/56

asym_atr2_rms vs Slug



Right In: 10424.394 $\pm$ 1.939 χ^2 /NDF: 2699471.9/29

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

Right Out: 9554.714 $\pm$ 1.765 χ^2 /NDF: 4576371.8/33

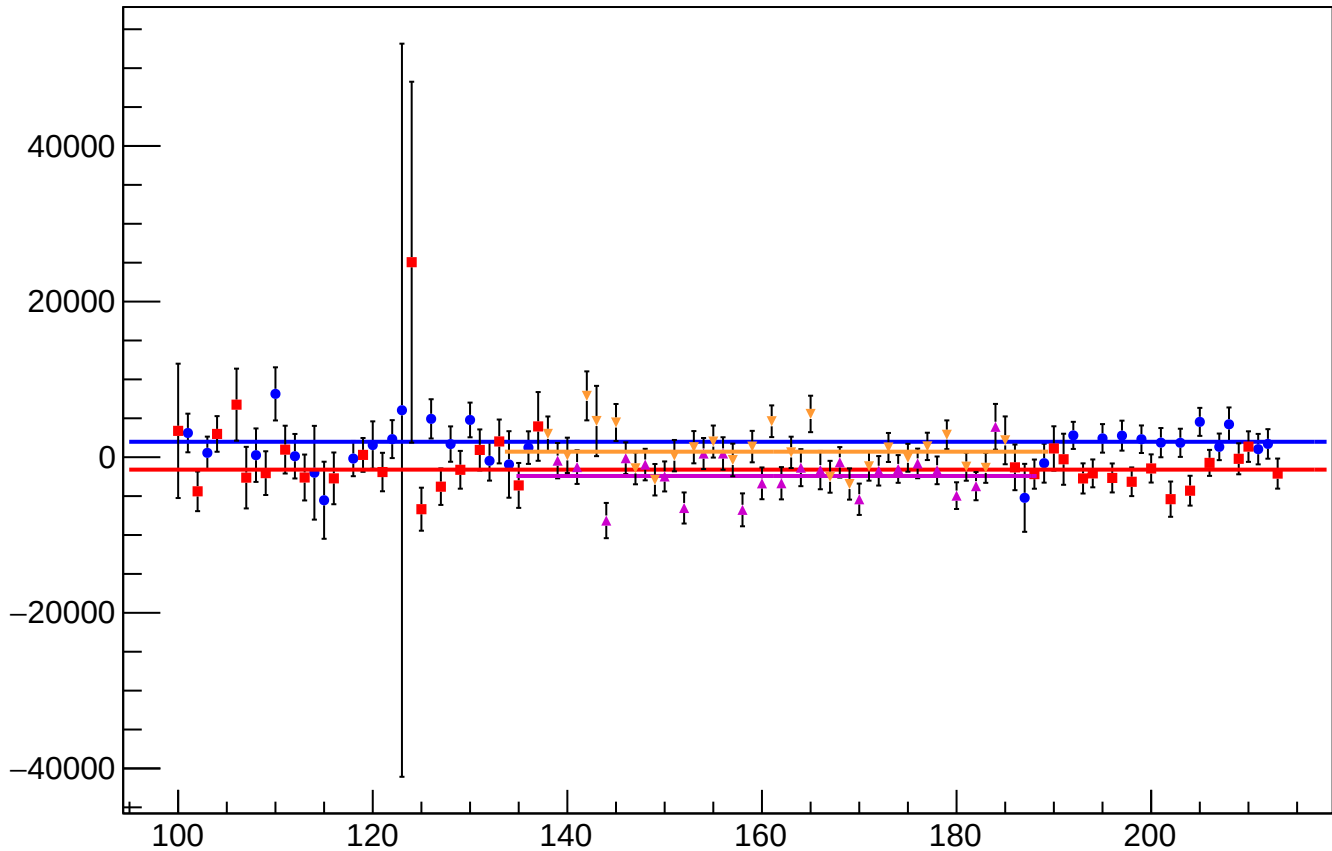
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9946.855 $\pm$ 1.240 χ^2 /NDF: 3813779.9/54

All: 9757.406 $\pm$ 0.865 χ^2 /NDF: 9518076.2/11

- sign 9578.050 $\pm$ 1.207 χ^2 /NDF: 5658871.6/56

reg_asym_atl_avg_mean vs Slug



Right In: 1982.198 $\pm$ 421.363 χ^2 /NDF: 20.7/29

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

Right Out: -1597.301 $\pm$ 411.912 χ^2 /NDF: 31.4/33

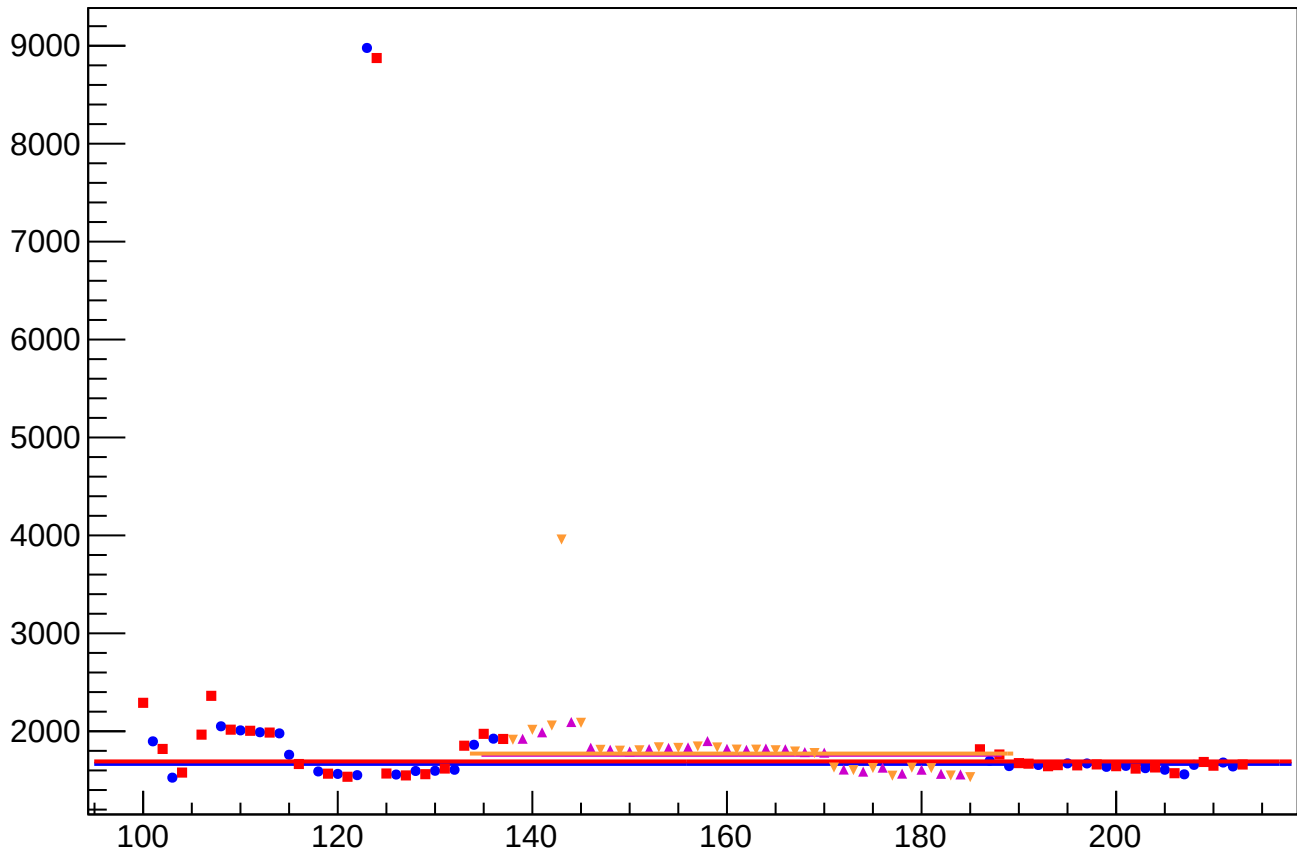
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 1339.914 $\pm$ 296.529 χ^2 /NDF: 60.1/54

All: -334.509 $\pm$ 209.231 χ^2 /NDF: 190.9/111

- sign -1994.716 $\pm$ 295.268 χ^2 /NDF: 67.3/56

reg_asym_atl_avg_rms vs Slug



Right In: 1666.723+/-0.298 χ^2/NDF : 216213.6/29

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

Right Out: 1691.877+/-0.291 χ^2/NDF : 438150.0/33

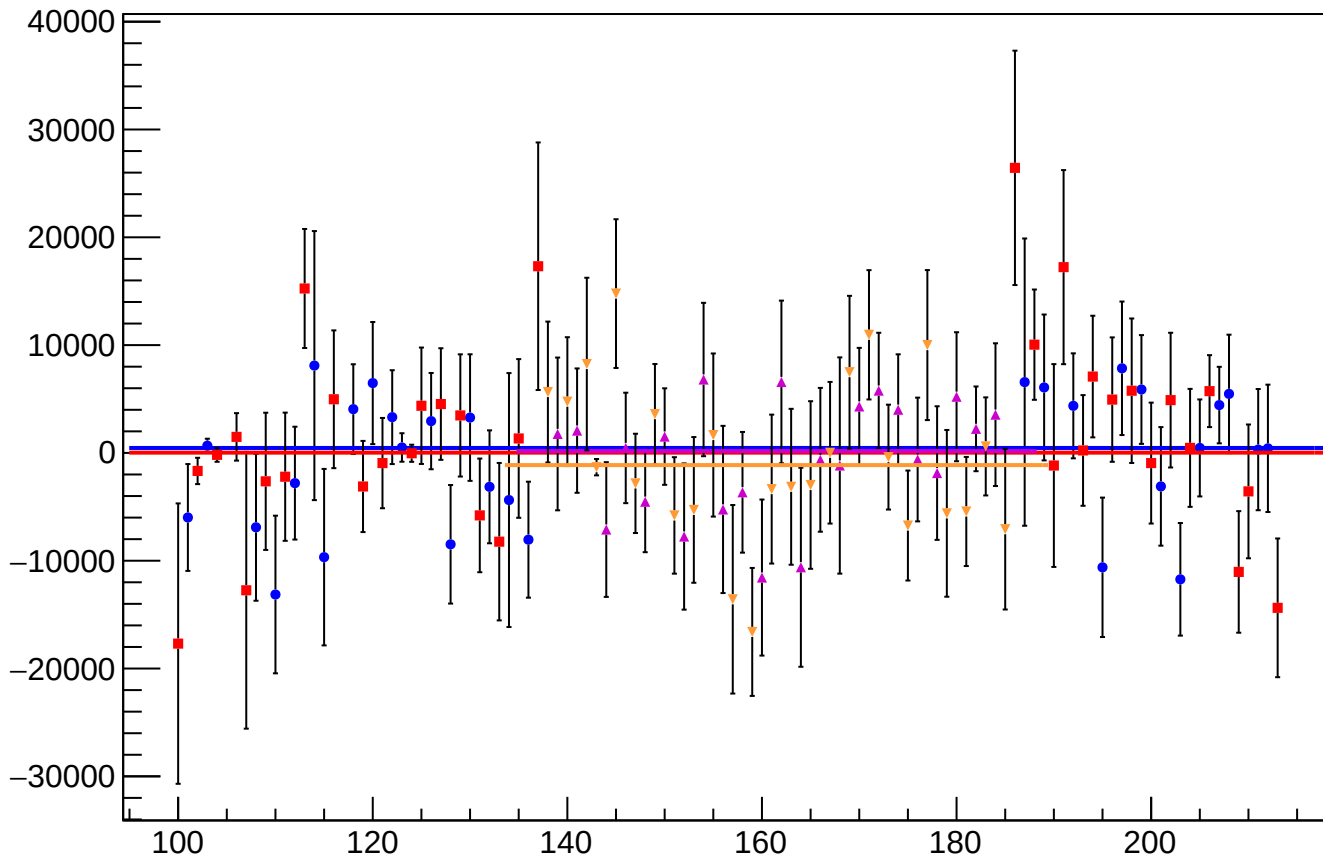
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1719.885+/-0.210 χ^2/NDF : 981757.9/54

All: 1722.327+/-0.148 χ^2/NDF : 1661395.4/11

- sign 1724.744+/-0.209 χ^2/NDF : 679367.6/56

asym_atl_avg_correction_mean vs Slug



Right In: 460.107 $\pm$ 508.205 χ^2 /NDF: 32.4/29

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

Right Out: 26.592 $\pm$ 416.258 χ^2 /NDF: 50.2/33

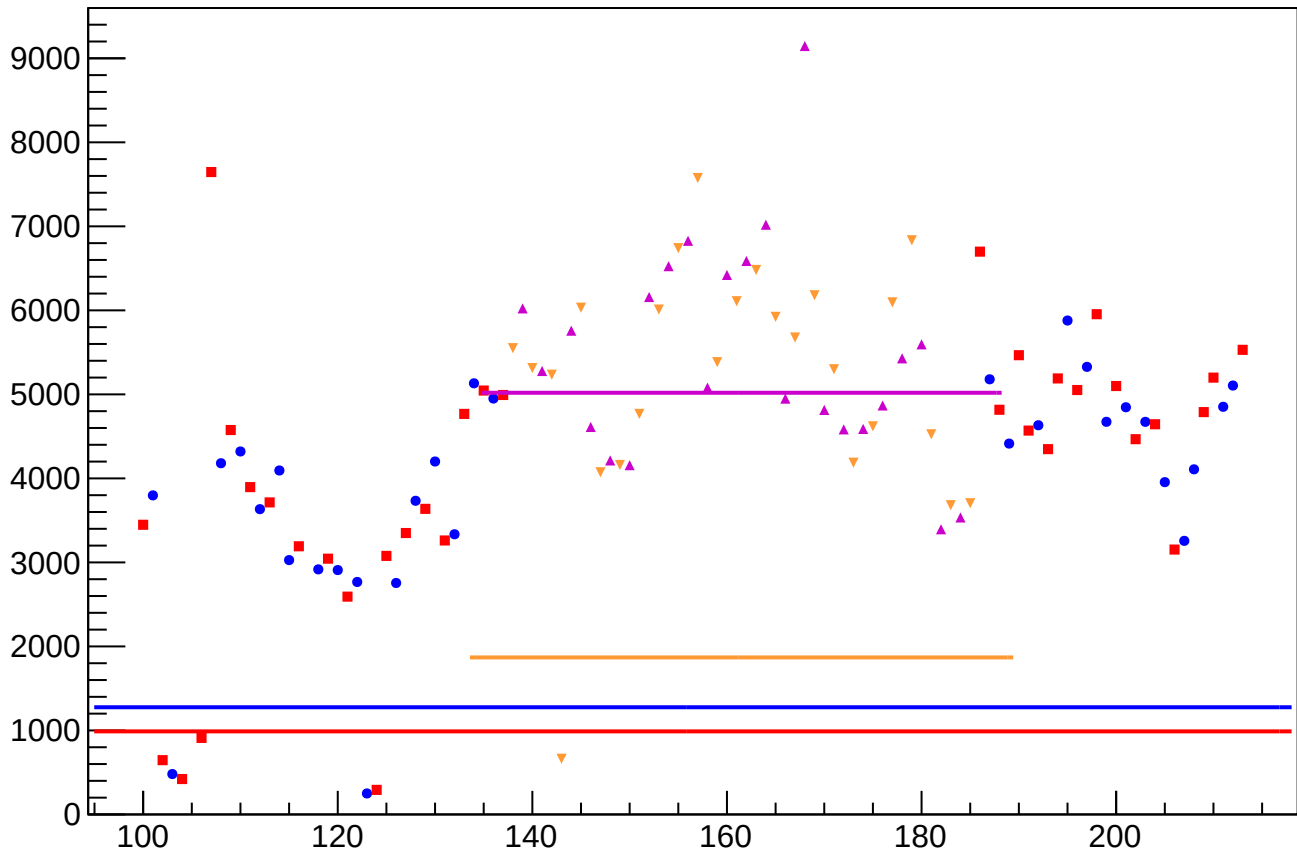
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -145.849 $\pm$ 399.798 χ^2 /NDF: 67.6/54

All: -51.102 $\pm$ 280.761 χ^2 /NDF: 132.1/111

- sign 41.091 $\pm$ 394.370 χ^2 /NDF: 64.4/56

asym_atl_avg_correction_rms vs Slug



Right In: 1275.933+/-0.359 χ^2/NDF : 18855201.2/29

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

Right Out: 988.880+/-0.294 χ^2/NDF : 22139677.9/33

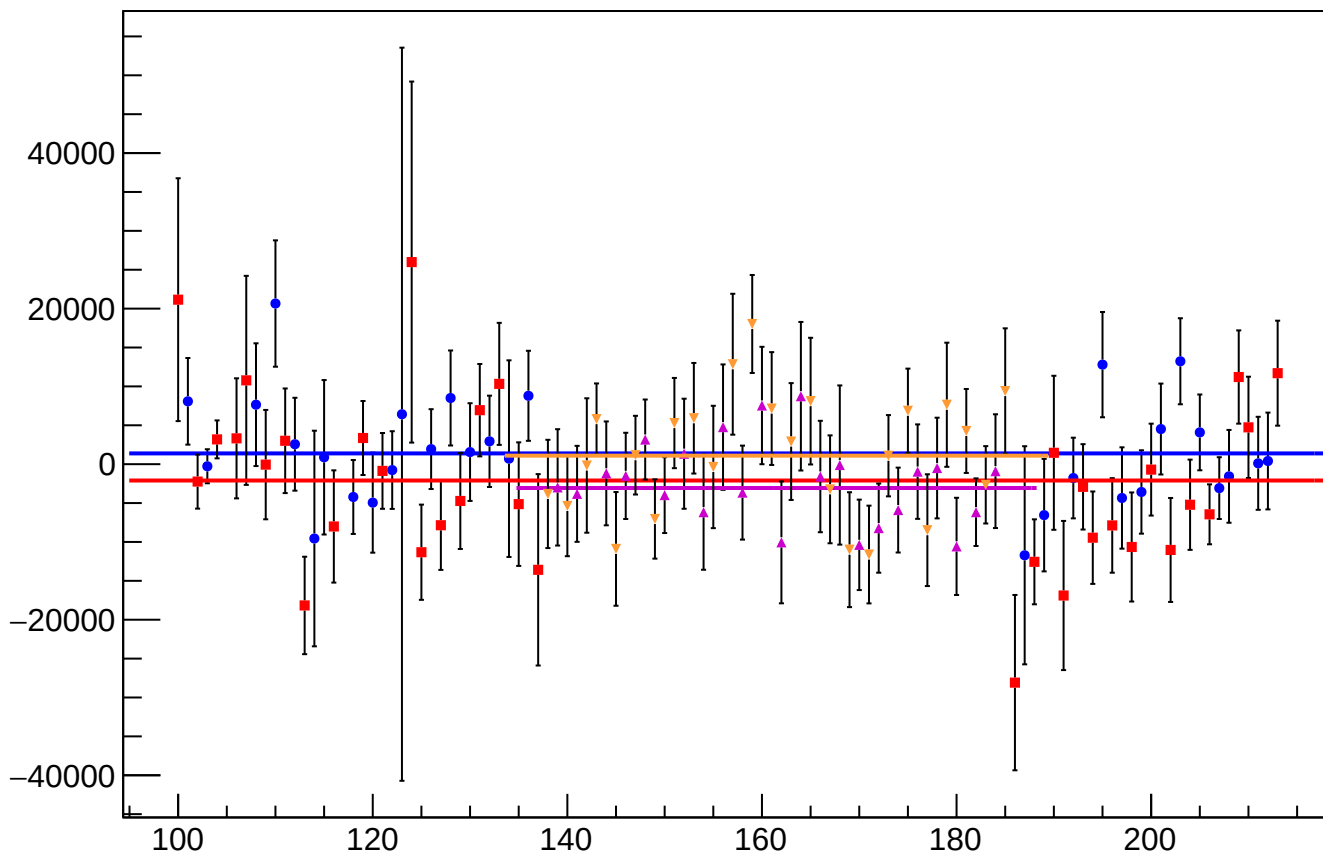
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1501.959+/-0.283 χ^2/NDF : 39745629.2/54

All: 1451.080+/-0.199 χ^2/NDF : 82716529.7/100

- sign 1401.573+/-0.279 χ^2/NDF : 42906991.2/56

asym_atl_avg_mean vs Slug



Right In: 1384.451+/-1014.973 χ^2/NDF : 28.3/29

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

Right Out: -2100.107+/-1002.365 χ^2/NDF : 57.4/33

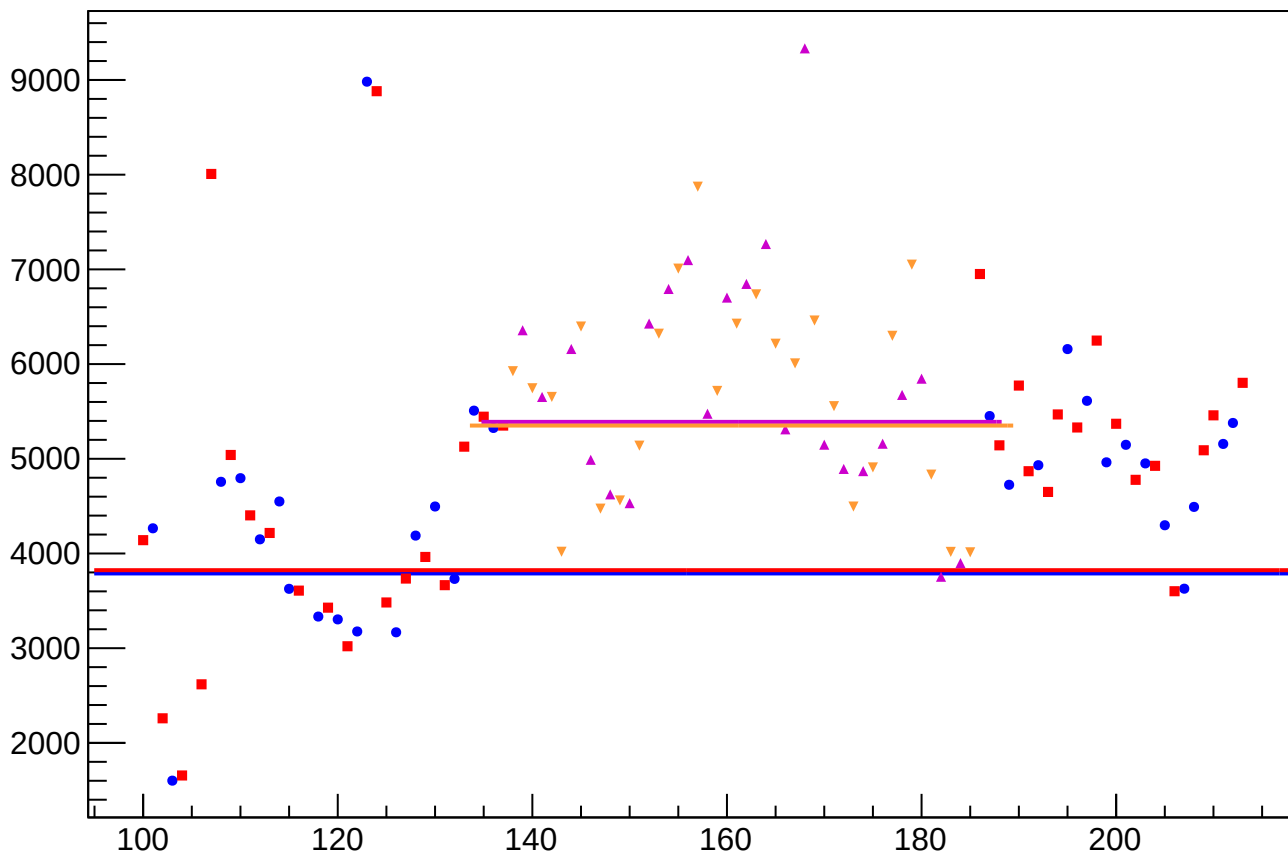
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1271.705+/-793.629 χ^2/NDF : 60.2/54

All: -580.961+/-562.679 χ^2/NDF : 141.6/111

- sign -2453.544+/-797.884 χ^2/NDF : 70.4/56

asym_atl_avg_rms vs Slug



Right In: 3789.263+/-0.718 χ^2/NDF : 3553855.4/29

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

Right Out: 3823.701+/-0.702 χ^2/NDF : 4279717.5/33

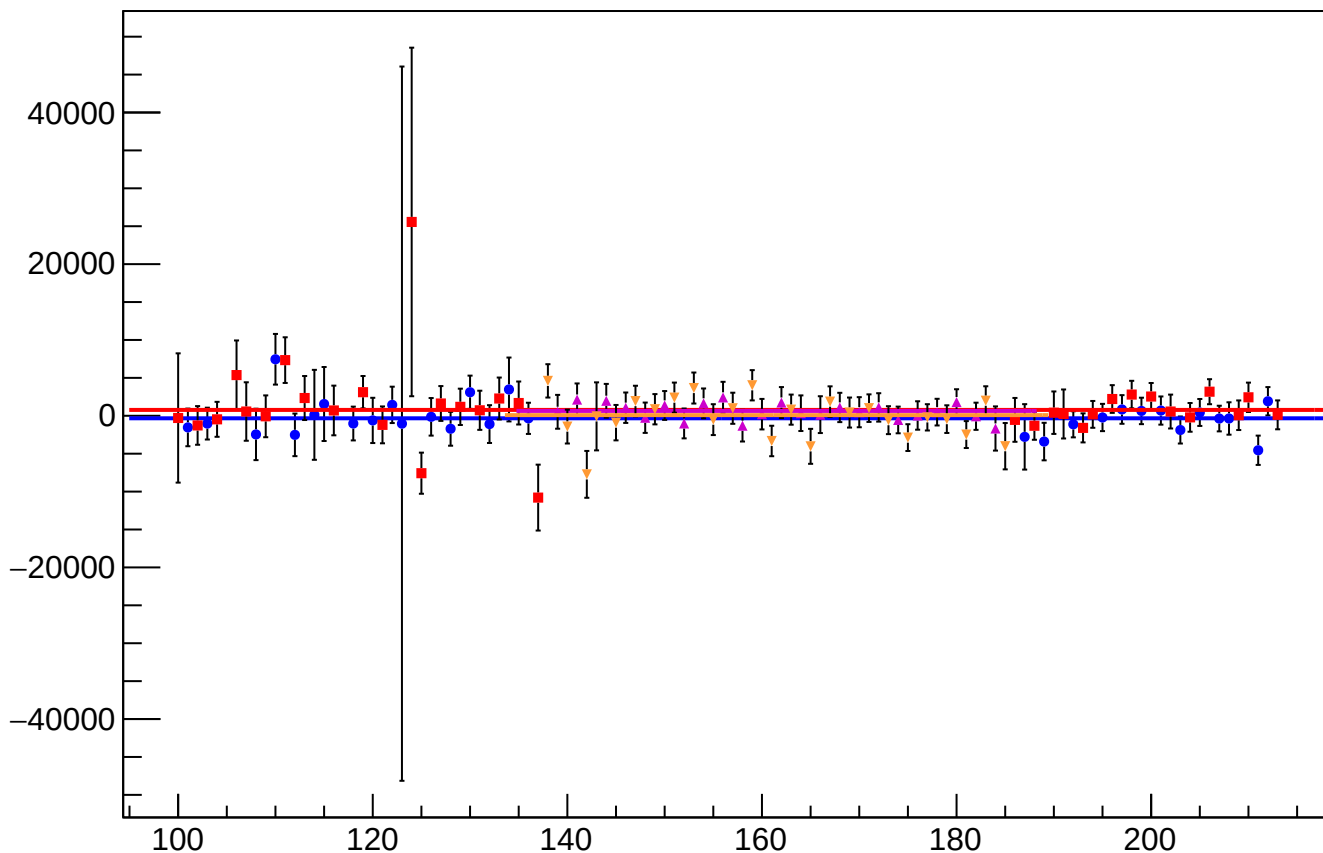
Left In: 5389.724+/-0.932 χ^2/NDF :1309863.0/22

+ sign 4396.074+/-0.561 χ^2/NDF : 6634982.2/54

All: 4393.536+/-0.397 χ^2/NDF : 14024835.7/100

- sign 4391.000+/-0.561 χ^2/NDF : 7389812.6/56

reg_asym_atl_dd_mean vs Slug



Right In: -332.926 ± 415.503 χ^2/NDF : 21.5/29

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

Right Out: 772.357 ± 405.923 χ^2/NDF : 36.6/33

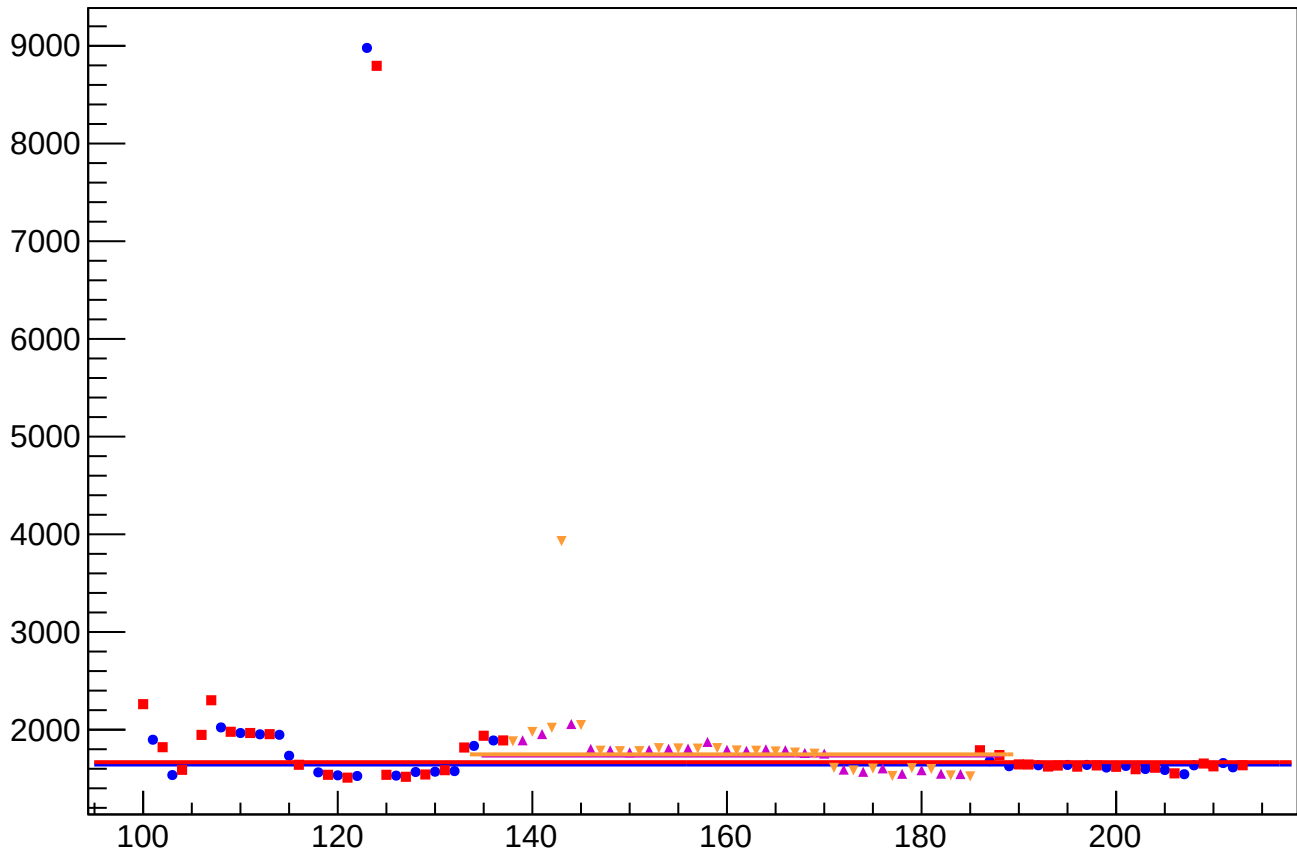
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -121.343 ± 292.390 χ^2/NDF : 58.1/54

All: 295.270 ± 206.289 χ^2/NDF : 105.0/111

- sign 708.176 ± 291.087 χ^2/NDF : 42.9/56

reg_asym_atl_dd_rms vs Slug



Right In: 1643.608+/-0.294 χ^2/NDF : 213568.5/29

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

Right Out: 1667.512+/-0.287 χ^2/NDF : 433910.5/33

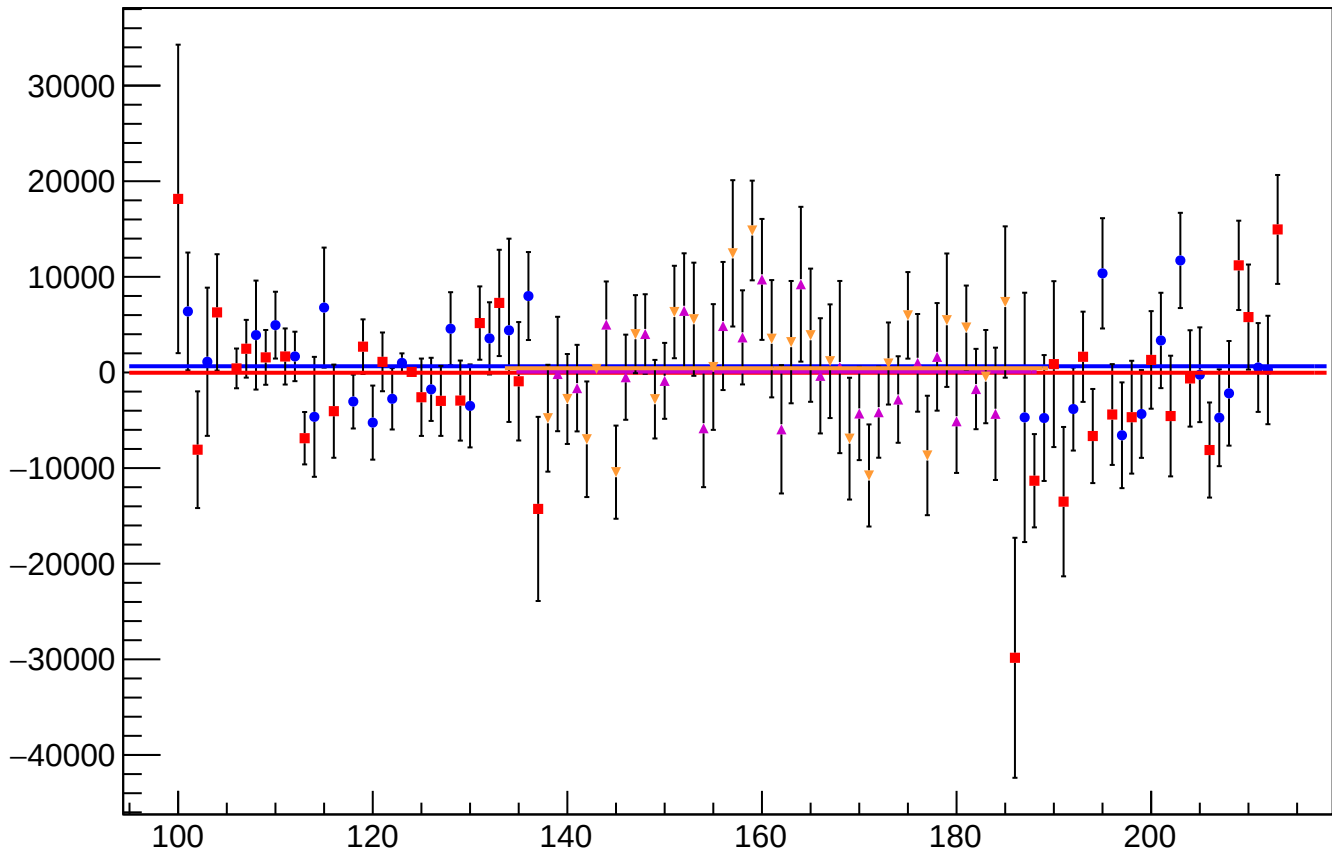
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1695.962+/-0.207 χ^2/NDF : 974662.3/54

All: 1698.245+/-0.146 χ^2/NDF : 1642912.2/11

- sign 1700.502+/-0.206 χ^2/NDF : 668007.5/56

asym_atl_dd_correction_mean vs Slug



Right In: 649.434 $\pm$ 636.956 χ^2 /NDF: 29.9/29

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

Right Out: -29.628 $\pm$ 346.794 χ^2 /NDF: 55.1/33

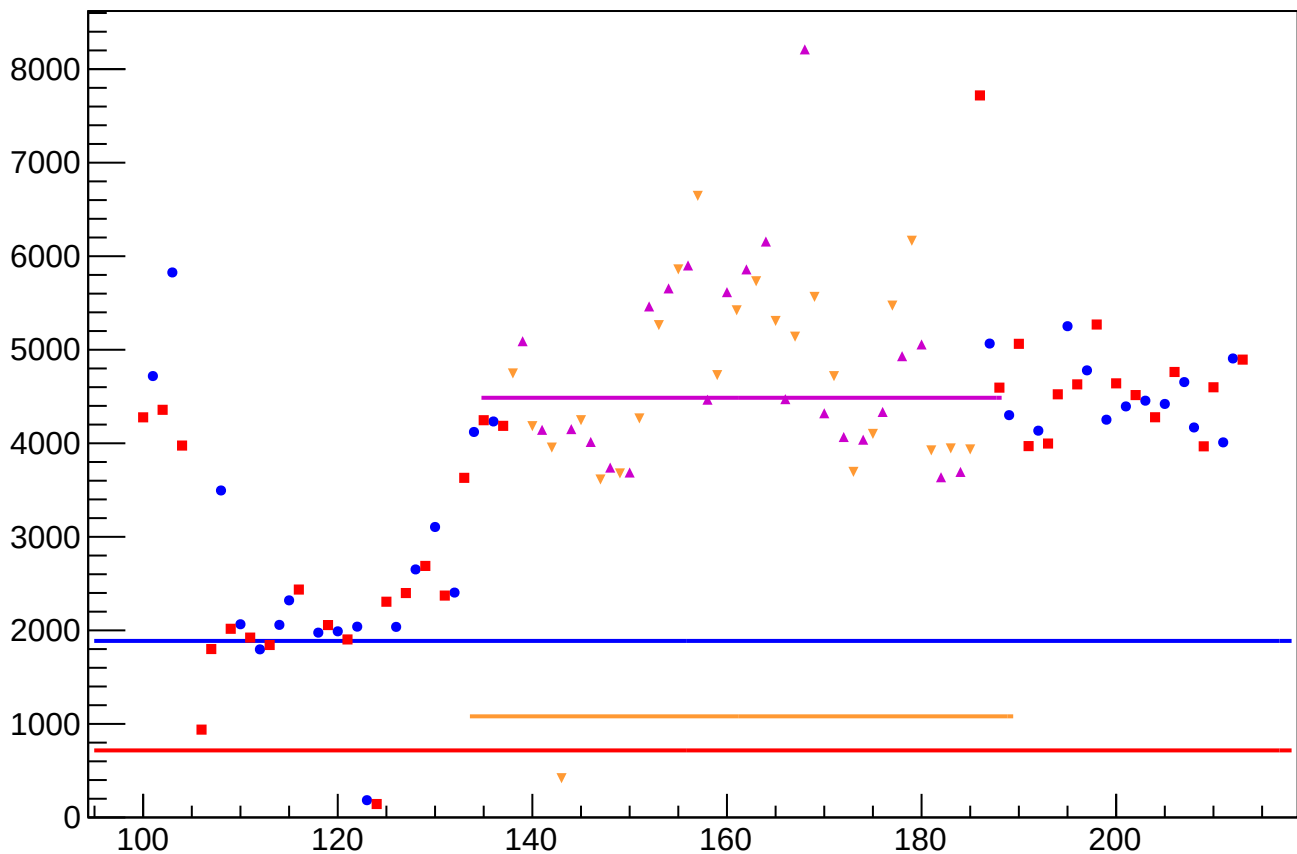
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 509.205 $\pm$ 362.208 χ^2 /NDF: 63.9/54

All: 221.137 $\pm$ 244.183 χ^2 /NDF: 133.6/111

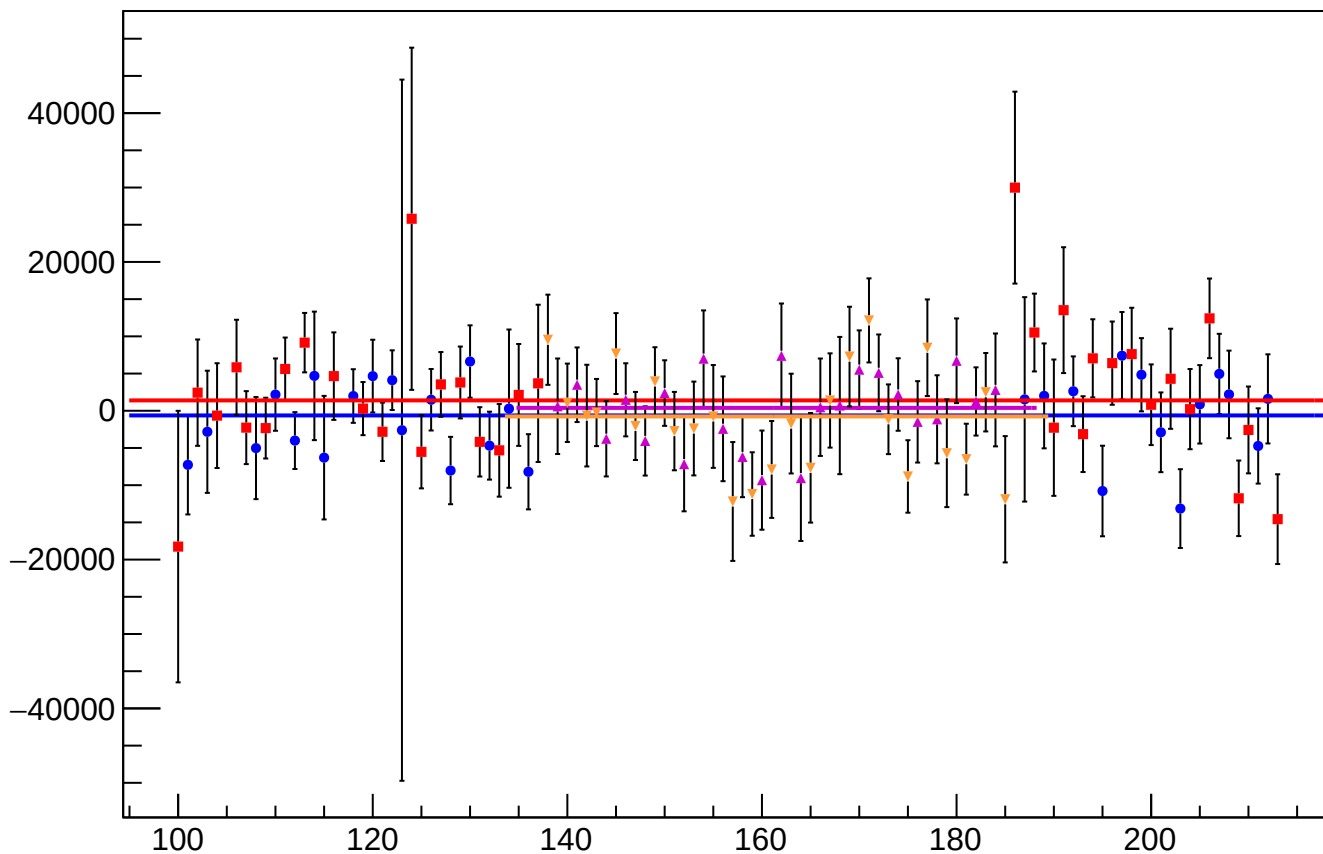
- sign -18.856 $\pm$ 330.605 χ^2 /NDF: 68.5/56

asym_atl_dd_correction_rms vs Slug



Right In: 1887.312+/-0.450	χ^2/NDF : 14085131.9/29	+ sign 1341.739+/-0.256	χ^2/NDF : 40709903.2/54
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1188.301+/-0.173	χ^2/NDF : 89557523.0/1
Right Out: 716.720+/-0.245	χ^2/NDF : 25457778.5/33	- sign 1060.471+/-0.234	χ^2/NDF : 48189714.4/56
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -626.802 ± 985.594 χ^2/NDF : 29.2/29

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

Right Out: 1392.943 ± 943.463 χ^2/NDF : 48.3/33

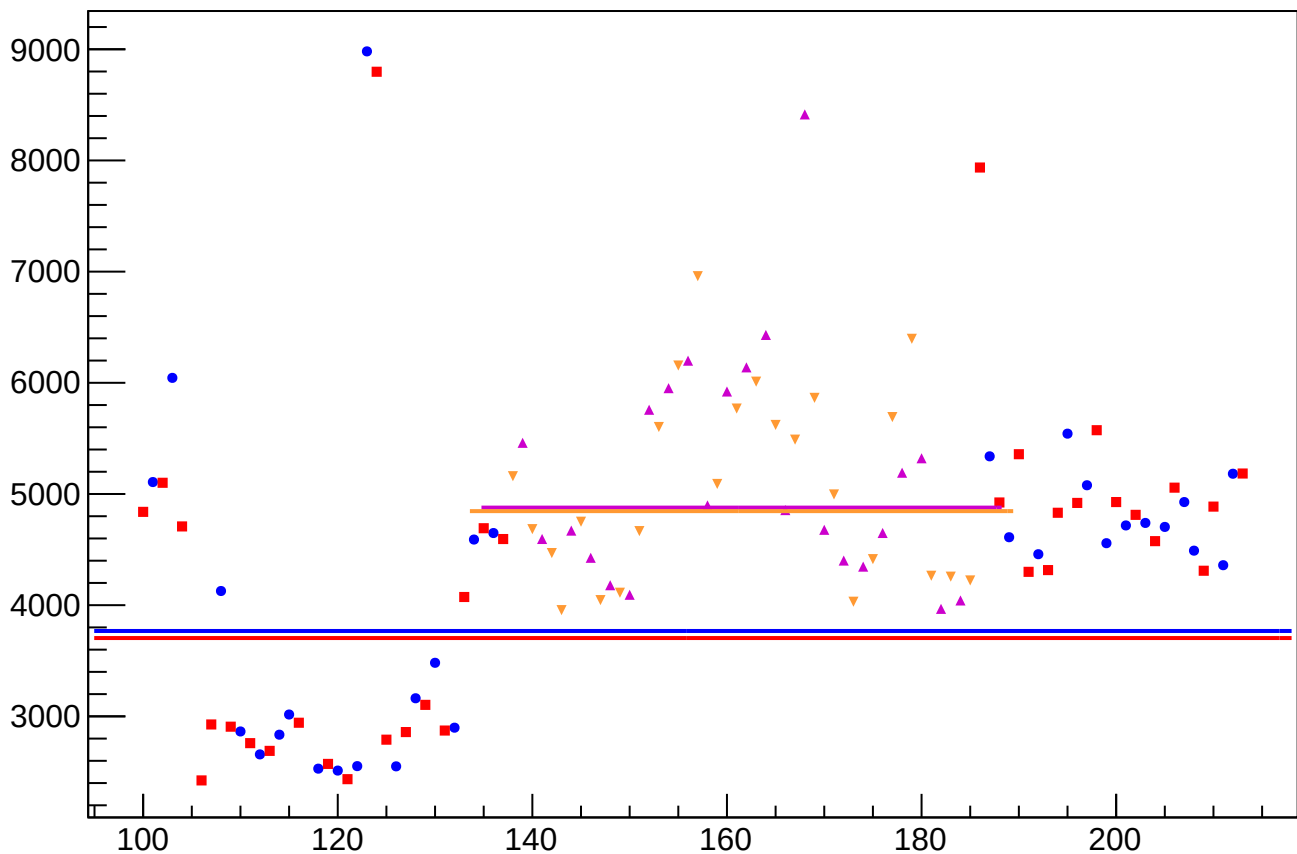
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -685.907 ± 747.632 χ^2/NDF : 59.1/54

All: 169.506 ± 525.365 χ^2/NDF : 124.7/111

- sign 1003.951 ± 738.411 χ^2/NDF : 62.9/56

asym_atl_dd_rms vs Slug



Right In: 3767.883 $\pm$ 0.697 χ^2 /NDF: 2329968.3/29

Left Out: 4845.779 $\pm$ 0.811 χ^2 /NDF: 909173.9/24

Right Out: 3704.298 $\pm$ 0.662 χ^2 /NDF: 2826265.1/33

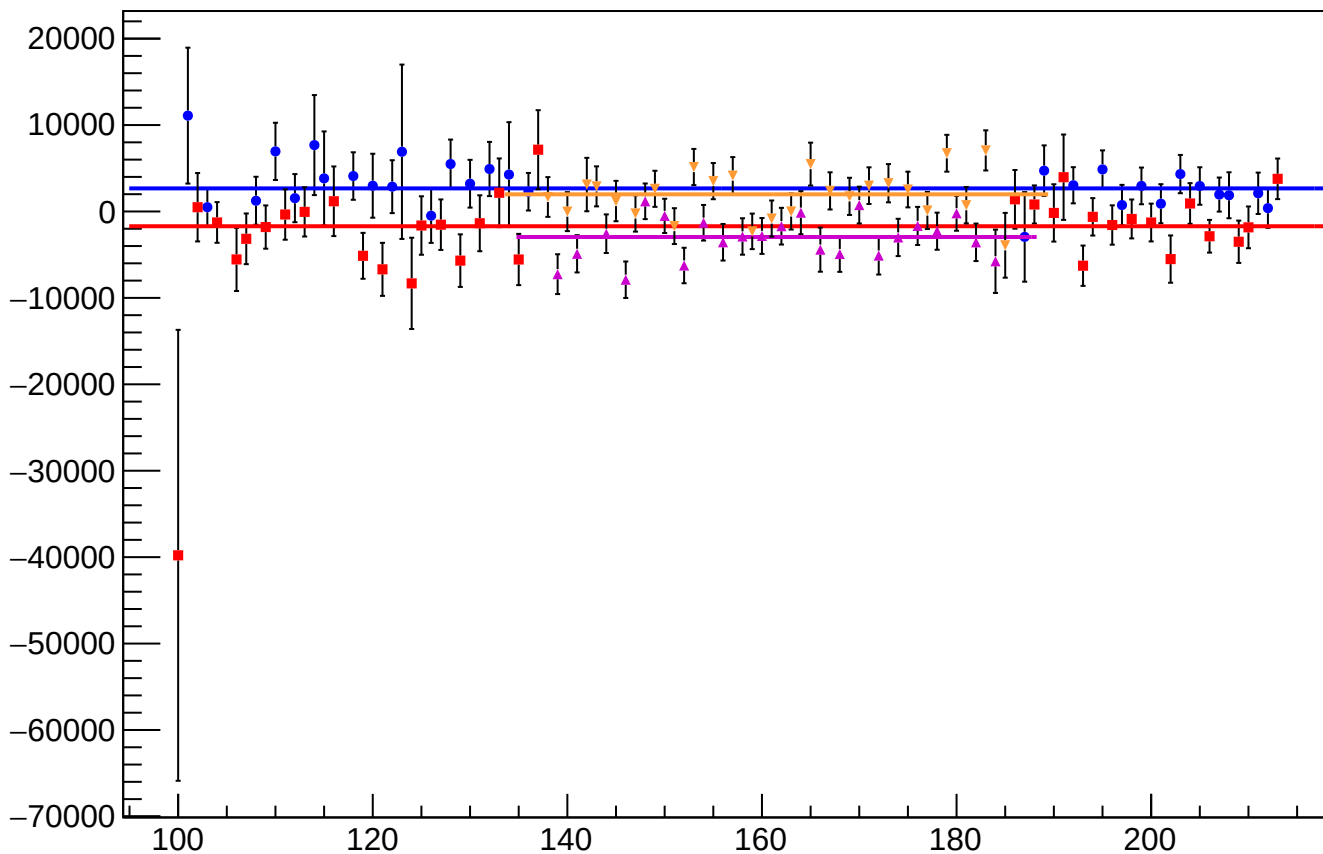
Left In: 4877.456 $\pm$ 0.839 χ^2 /NDF: 958623.2/22

+ sign 4225.543 $\pm$ 0.529 χ^2 /NDF: 4254818.9/54

All: 4189.376 $\pm$ 0.371 χ^2 /NDF: 9254352.8/11

- sign 4154.437 $\pm$ 0.520 χ^2 /NDF: 4990332.2/56

reg_asym_atr_avg_mean vs Slug



Right In: 2671.236 ± 498.466 χ^2/NDF : 14.0/29

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

Right Out: -1708.868 ± 479.557 χ^2/NDF : 36.4/33

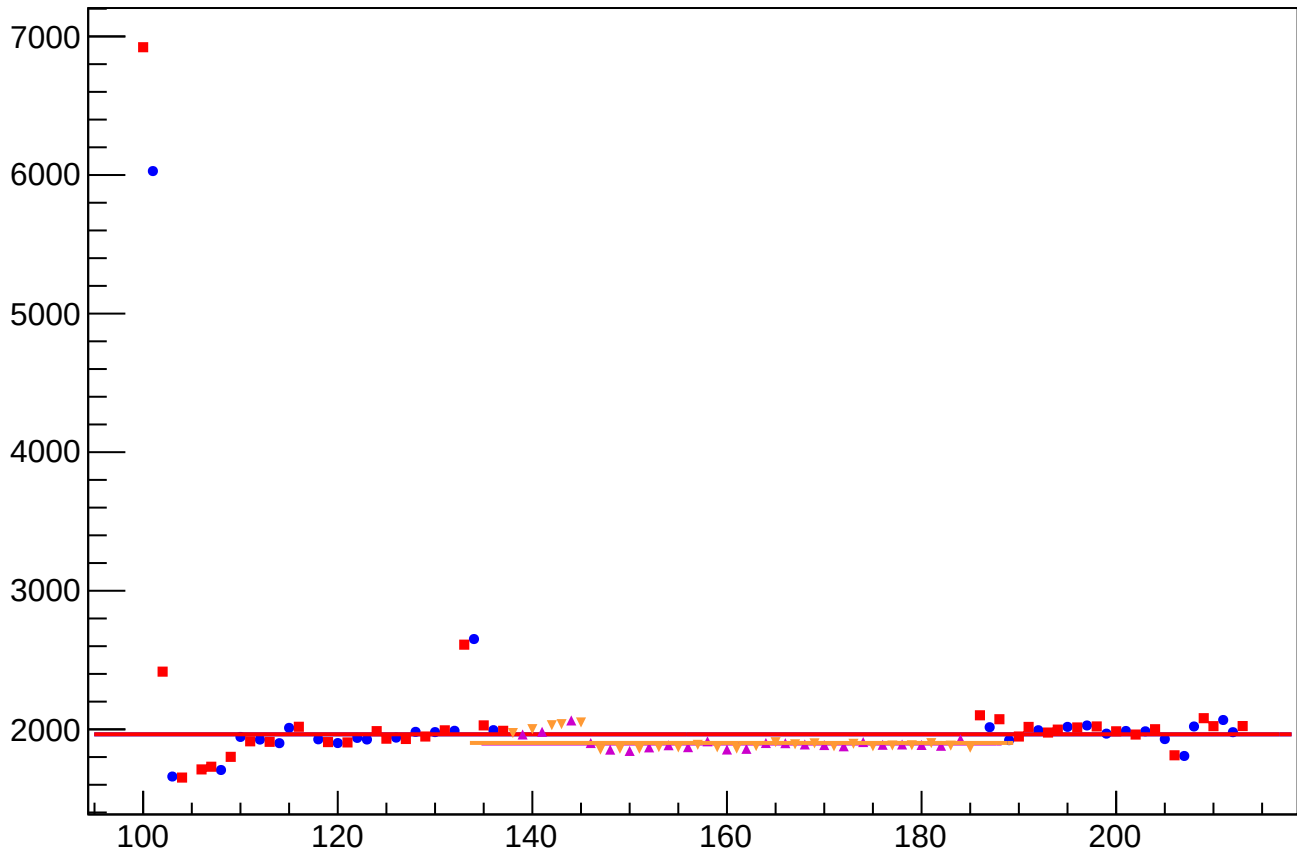
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2288.235 ± 331.208 χ^2/NDF : 47.5/54

All: -47.950 ± 233.736 χ^2/NDF : 215.0/111

- sign -2365.744 ± 329.902 χ^2/NDF : 68.4/56

reg_asym_atr_avg_rms vs Slug



Right In: 1963.679+/-0.352 χ^2/NDF : 639772.9/29

Left Out: 1901.884+/-0.313 χ^2/NDF : 30446.9/24

Right Out: 1964.394+/-0.339 χ^2/NDF : 255016.2/33

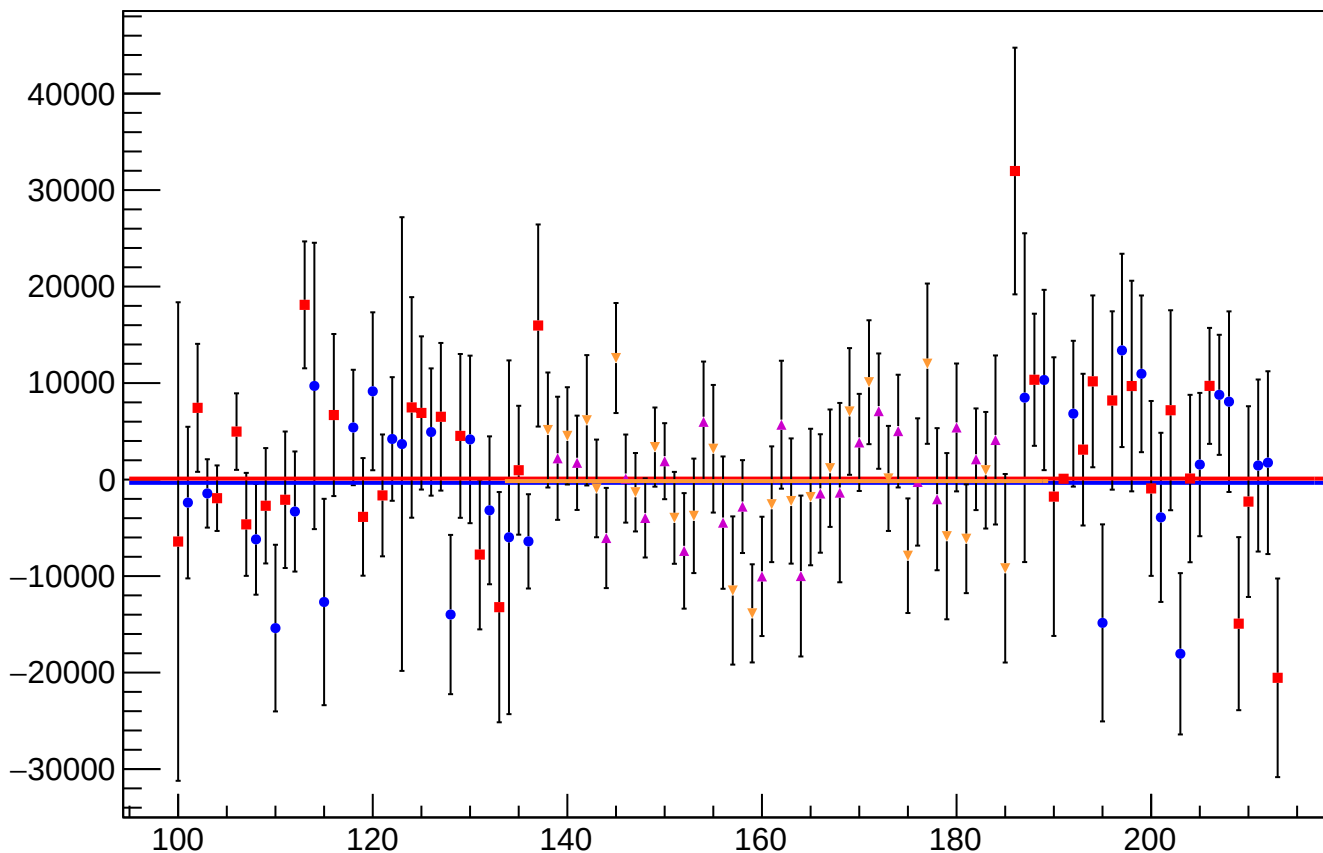
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1929.167+/-0.234 χ^2/NDF : 687386.8/54

All: 1929.167+/-0.165 χ^2/NDF : 984130.2/111

- sign 1929.167+/-0.233 χ^2/NDF : 296743.3/56

asym_atr_avg_correction_mean vs Slug



Right In: -336.960 ± 1368.035 χ^2/NDF : 30.5/29

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

Right Out: 101.200 ± 109.530 χ^2/NDF : 41.0/33

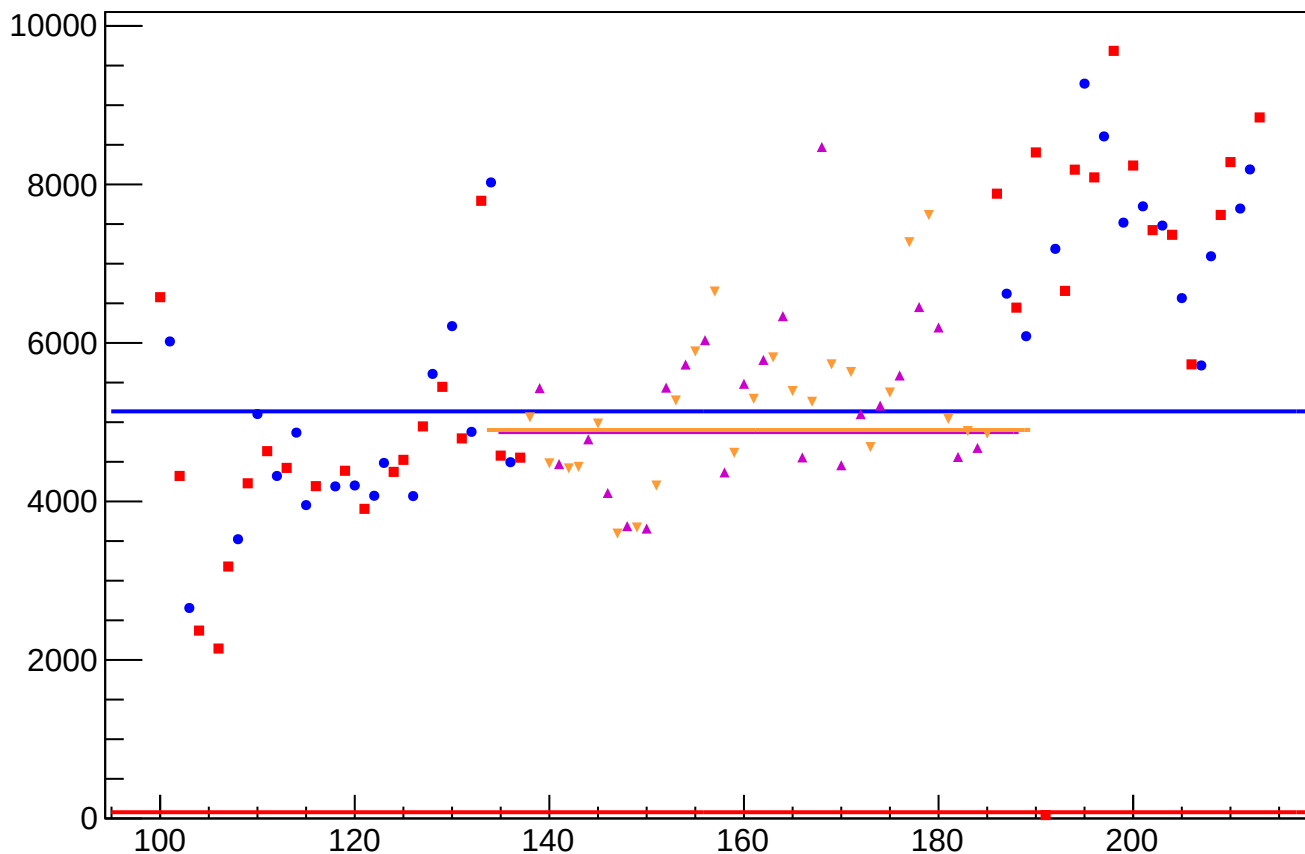
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -233.023 ± 887.337 χ^2/NDF : 60.1/54

All: 94.240 ± 108.255 χ^2/NDF : 115.9/111

- sign 99.185 ± 109.070 χ^2/NDF : 55.7/56

asym_atr_avg_correction_rms vs Slug



Right In: 5136.547 $\pm$ 0.967 χ^2 /NDF: 3339320.8/29

Left Out: 4901.357 $\pm$ 0.824 χ^2 /NDF:1136916.0/24

Right Out: 78.500 $\pm$ 0.077 χ^2 /NDF: 32848518.0/33

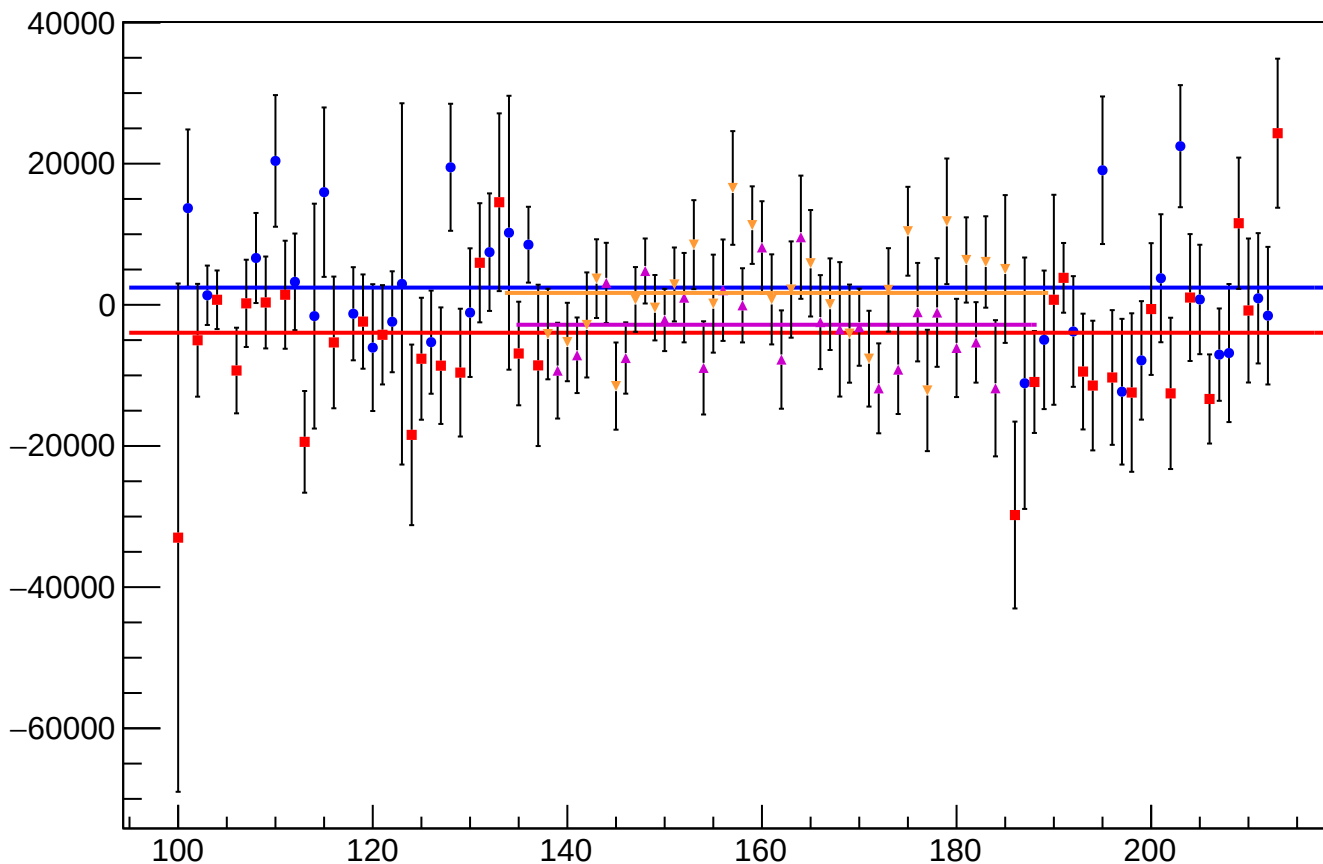
Left In: 4875.112 $\pm$ 0.842 χ^2 /NDF:1229198.0/22

+ sign 5000.303 $\pm$ 0.627 χ^2 /NDF: 4510479.5/54

All: 191.392 $\pm$ 0.077 χ^2 /NDF: 130390893.6/1

- sign 118.734 $\pm$ 0.077 χ^2 /NDF: 66251203.1/56

asym_atr_avg_mean vs Slug



Right In: 2440.594 $\pm$ 1499.343 χ^2 /NDF: 31.4/29

Left Out: 1686.531 $\pm$ 1261.650 χ^2 /NDF:25.4/24

Right Out: -3956.705 $\pm$ 1362.712 χ^2 /NDF: 37.6/33

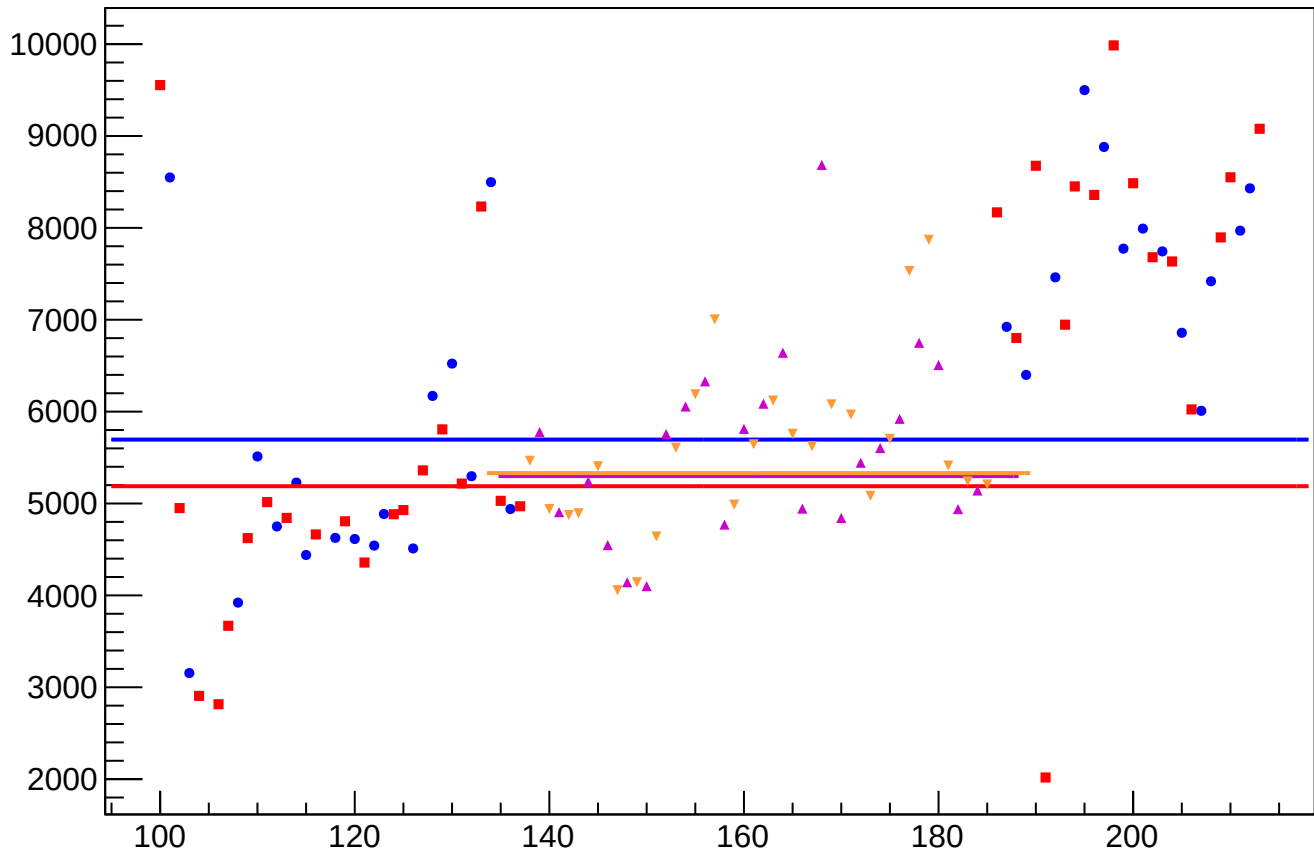
Left In: -2824.078 $\pm$ 1288.414 χ^2 /NDF:18.0/22

+ sign 1999.123 $\pm$ 965.353 χ^2 /NDF: 56.9/54

All: -761.866 $\pm$ 672.068 χ^2 /NDF: 128.8/111

- sign -3358.675 $\pm$ 936.211 χ^2 /NDF: 56.0/56

asym_atr_avg_rms vs Slug



Right In: 5695.609+/-1.060 χ^2/NDF : 2702925.9/29

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 5188.254+/-0.960 χ^2/NDF : 4562966.8/33

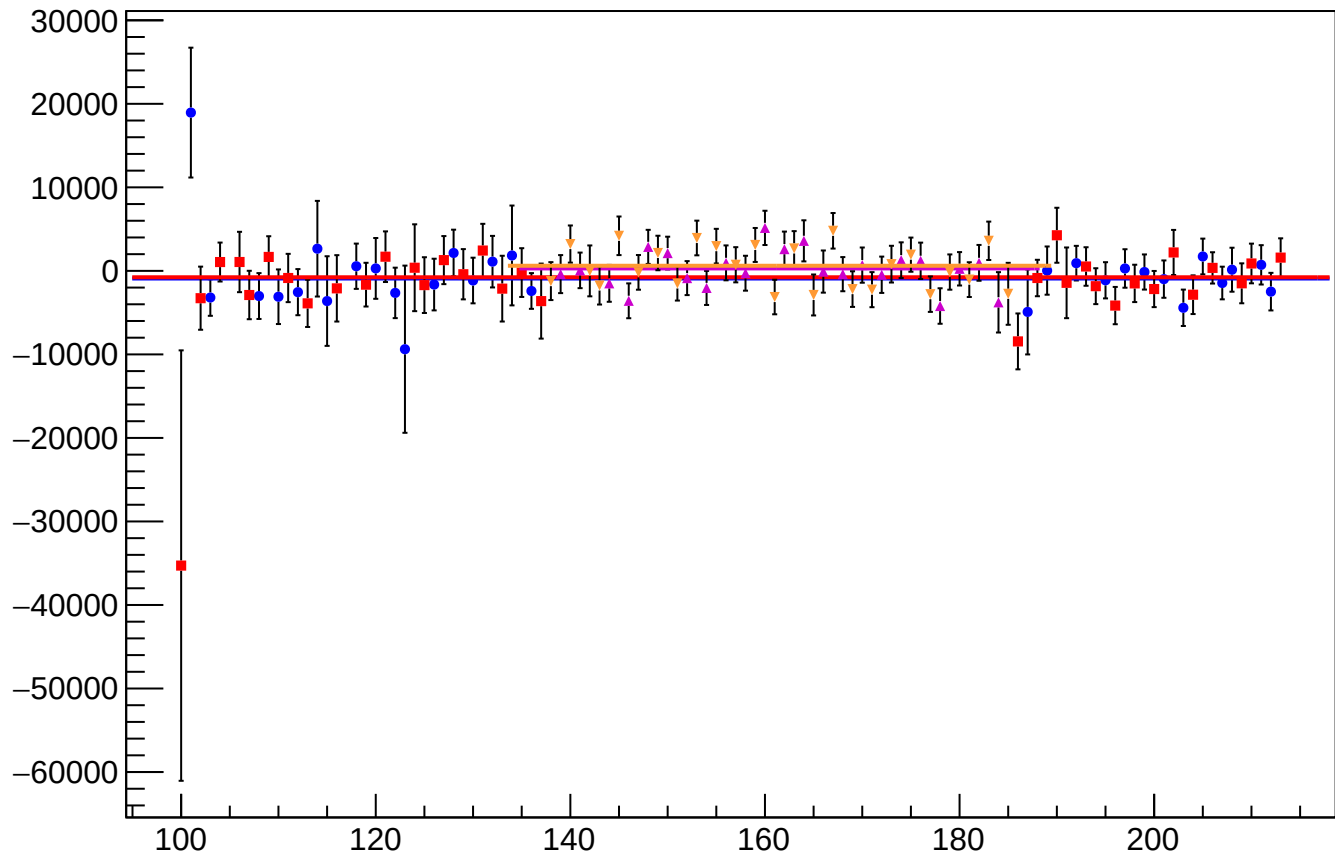
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5481.985+/-0.683 χ^2/NDF : 3640335.2/54

All: 5360.266+/-0.475 χ^2/NDF : 9227840.1/11

- sign 5246.176+/-0.661 χ^2/NDF : 5525905.1/56

reg_asym_atr_dd_mean vs Slug



Right In: -914.493 ± 492.072 χ^2/NDF : 20.7/29

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -766.910 ± 472.534 χ^2/NDF : 23.9/33

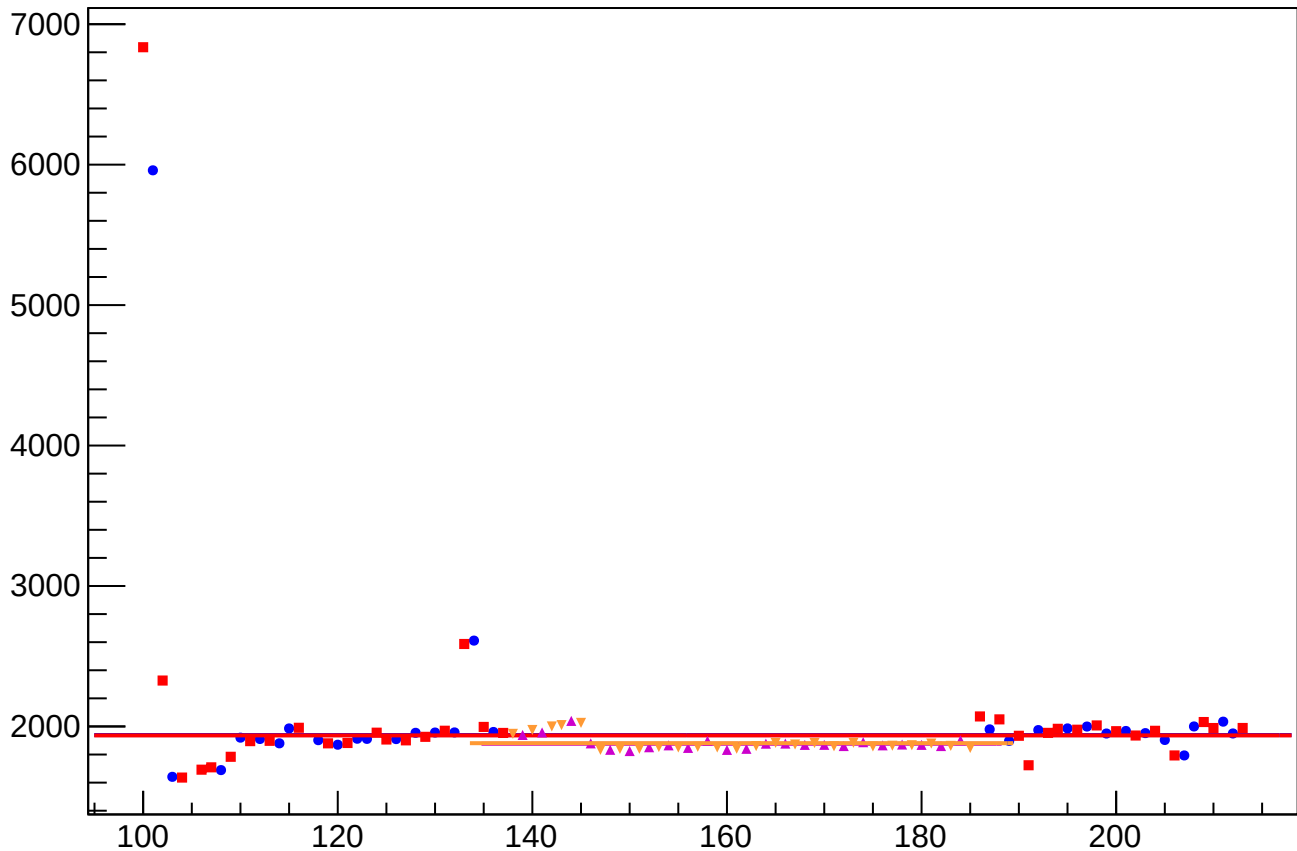
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -63.078 ± 327.276 χ^2/NDF : 58.8/54

All: -137.181 ± 230.864 χ^2/NDF : 109.1/111

- sign -210.577 ± 325.712 χ^2/NDF : 50.2/56

reg_asym_atr_dd_rms vs Slug



Right In: 1938.659 $\pm$ 0.348 χ^2 /NDF: 636297.4/29

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1936.199 $\pm$ 0.334 χ^2 /NDF: 250984.7/33

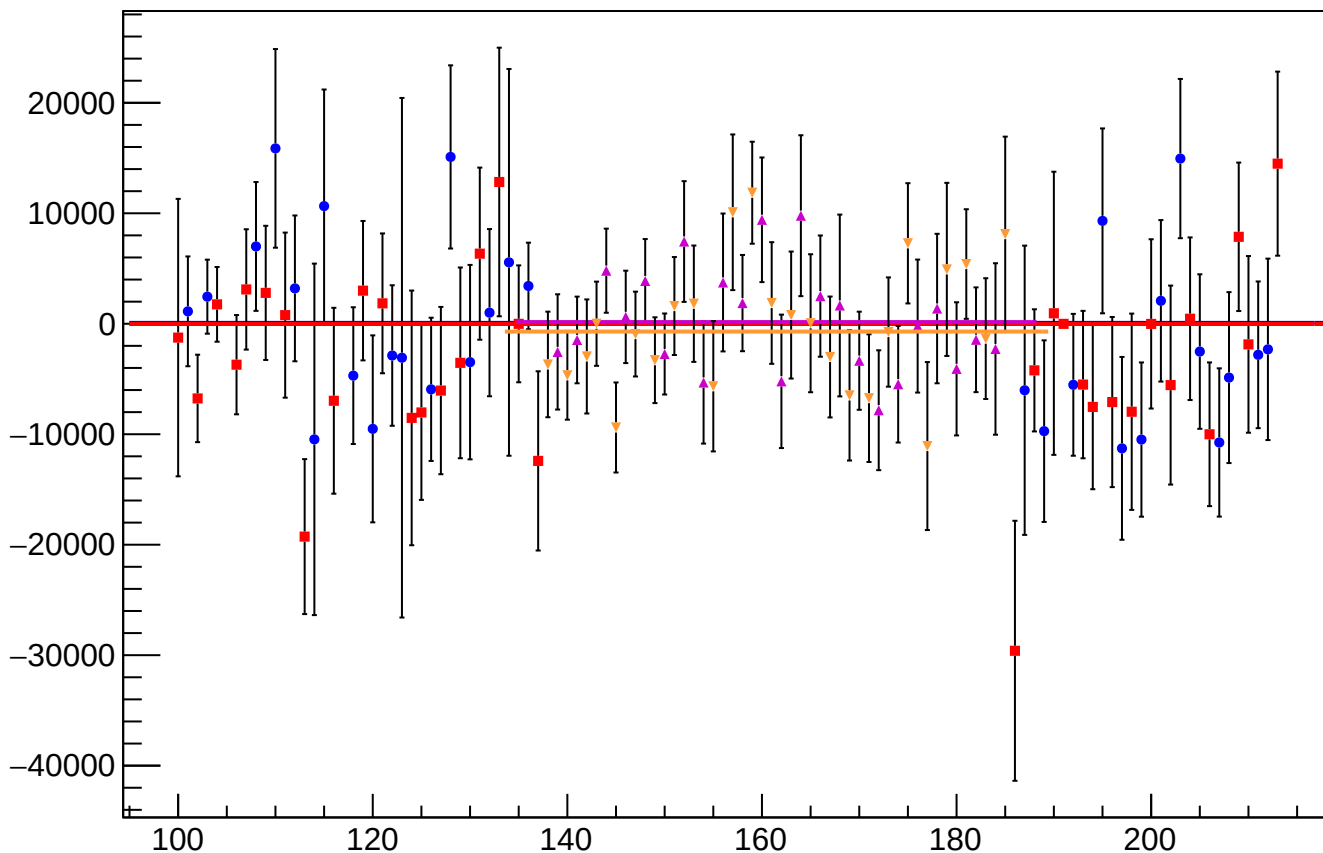
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1906.399 $\pm$ 0.231 χ^2 /NDF: 680368.3/54

All: 1905.691 $\pm$ 0.163 χ^2 /NDF: 968540.1/111

- sign 1904.989 $\pm$ 0.230 χ^2 /NDF: 288153.1/56

asym_atr_dd_correction_mean vs Slug



Right In: 79.719 $\pm$ 1249.921 χ^2 /NDF: 29.5/29

Left Out: -707.785 $\pm$ 1017.719 χ^2 /NDF: 27.1/24

Right Out: -21.960 $\pm$ 85.780 χ^2 /NDF: 36.9/33

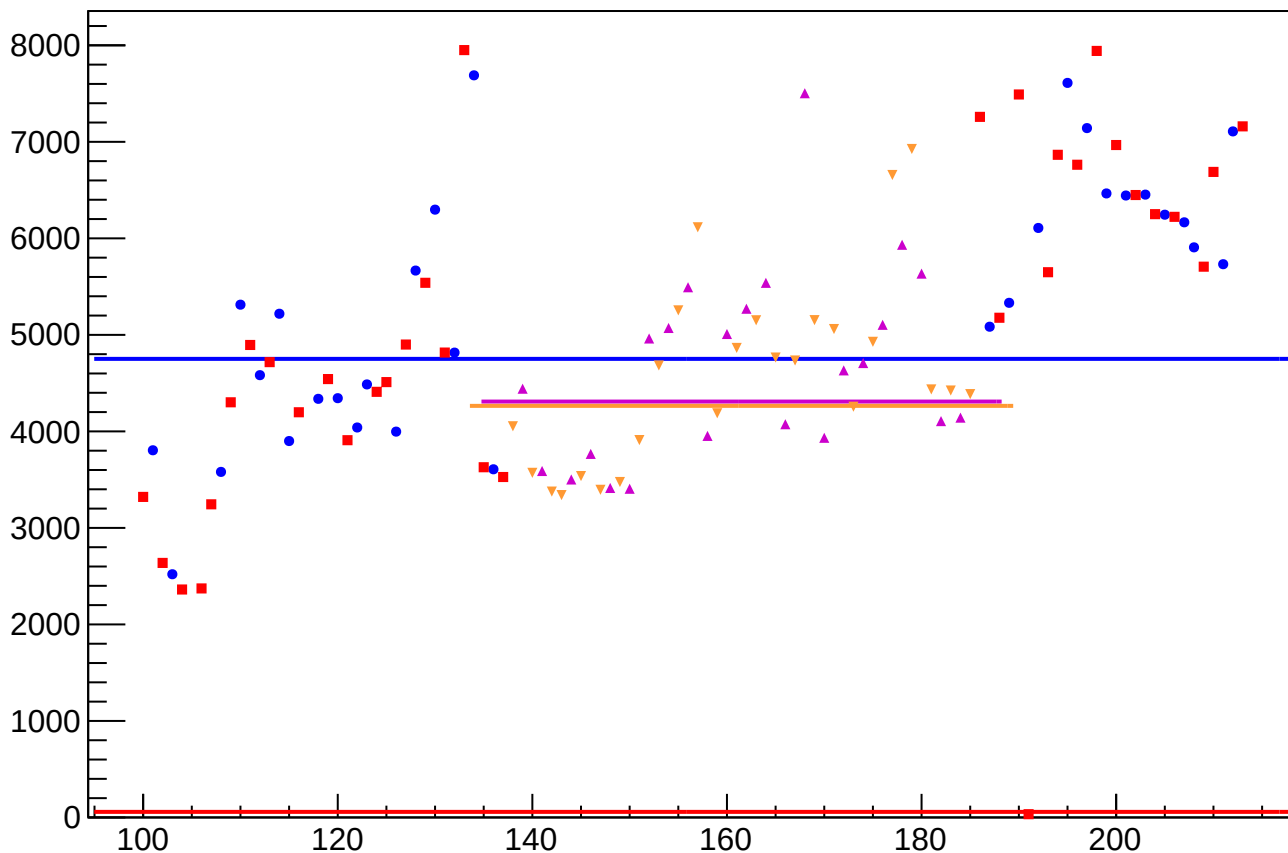
Left In: 150.495 $\pm$ 1053.655 χ^2 /NDF: 16.9/22

+ sign -393.835 $\pm$ 789.198 χ^2 /NDF: 56.9/54

All: -25.151 $\pm$ 85.000 χ^2 /NDF: 110.9/111

- sign -20.824 $\pm$ 85.497 χ^2 /NDF: 53.8/56

asym_atr_dd_correction_rms vs Slug



Right In: 4751.359+/-0.884 χ^2/NDF : 2716797.0/29

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 57.843+/-0.061 χ^2/NDF : 33020920.4/33

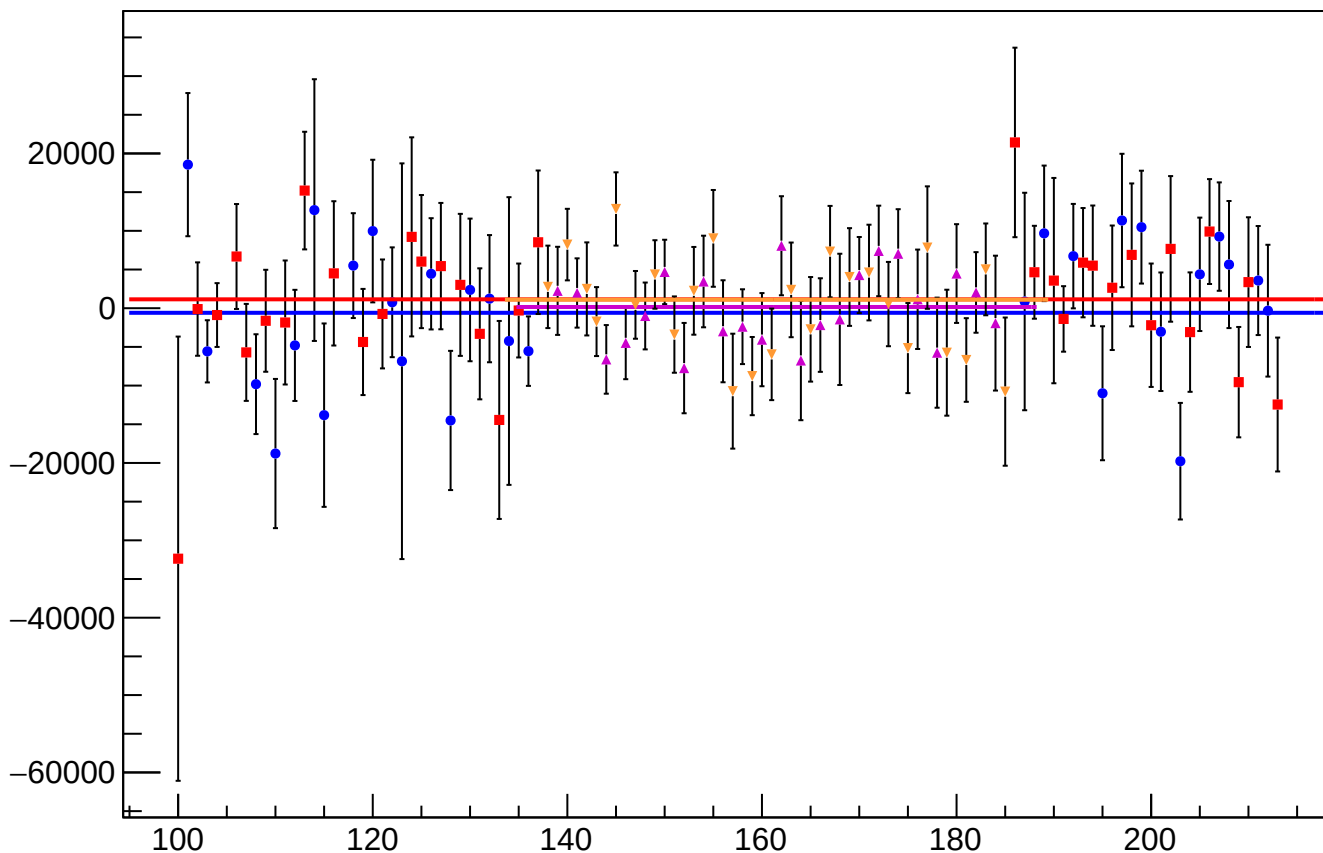
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4458.553+/-0.558 χ^2/NDF : 4254216.8/54

All: 136.558+/-0.060 χ^2/NDF : 131610327.9/131

- sign 85.834+/-0.060 χ^2/NDF : 66669425.7/56

asym_atr_dd_mean vs Slug



Right In: -593.013 ± 1397.334 χ^2/NDF : 38.3/29

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1147.890 ± 1268.698 χ^2/NDF : 23.7/33

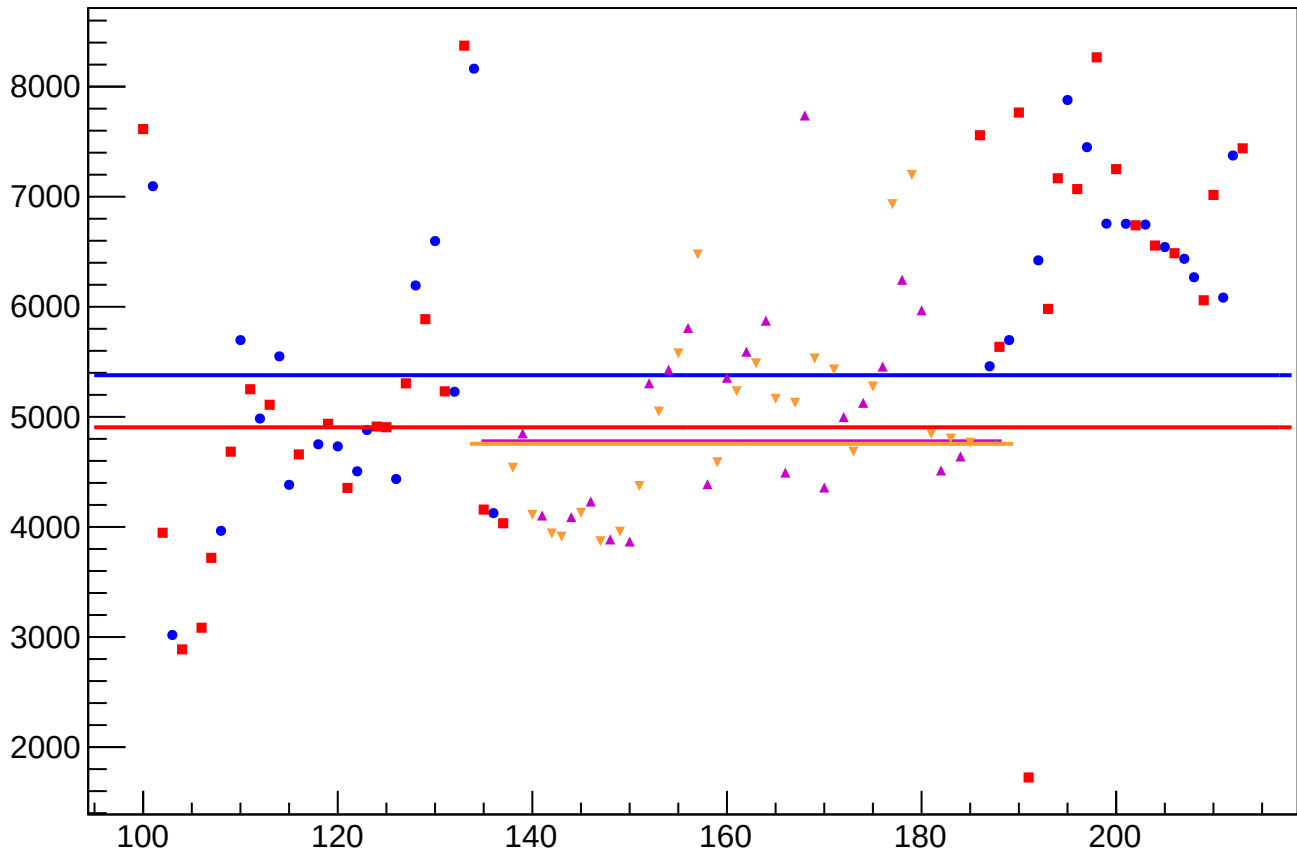
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 434.322 ± 877.076 χ^2/NDF : 67.8/54

All: 524.092 ± 612.857 χ^2/NDF : 107.3/111

- sign 609.739 ± 856.703 χ^2/NDF : 39.5/56

asym_atr_dd_rms vs Slug



Right In: 5378.570+/-0.988 χ^2/NDF : 2005847.0/29

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4905.033+/-0.894 χ^2/NDF : 3806693.7/33

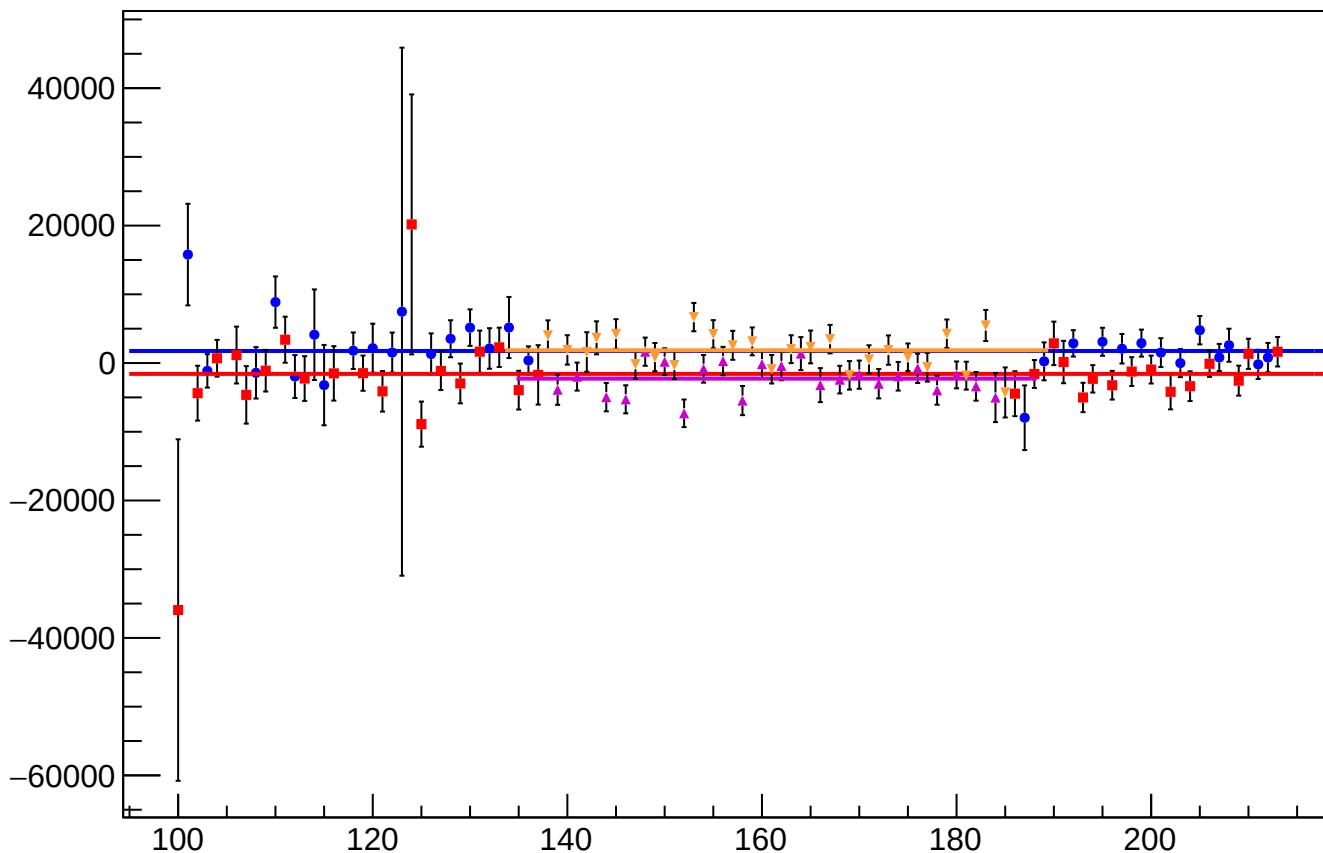
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 5000.906+/-0.620 χ^2/NDF : 3200250.2/54

All: 4916.413+/-0.433 χ^2/NDF : 8004428.9/11

- sign 4836.031+/-0.605 χ^2/NDF : 4767959.9/56

reg_asym_at1_avg_mean vs Slug



Right In: 1754.936 $\pm$ 479.302 χ^2 /NDF: 24.8/29

Left Out: 1856.570 $\pm$ 430.977 χ^2 /NDF:30.0/24

Right Out: -1577.594 $\pm$ 462.026 χ^2 /NDF: 30.4/33

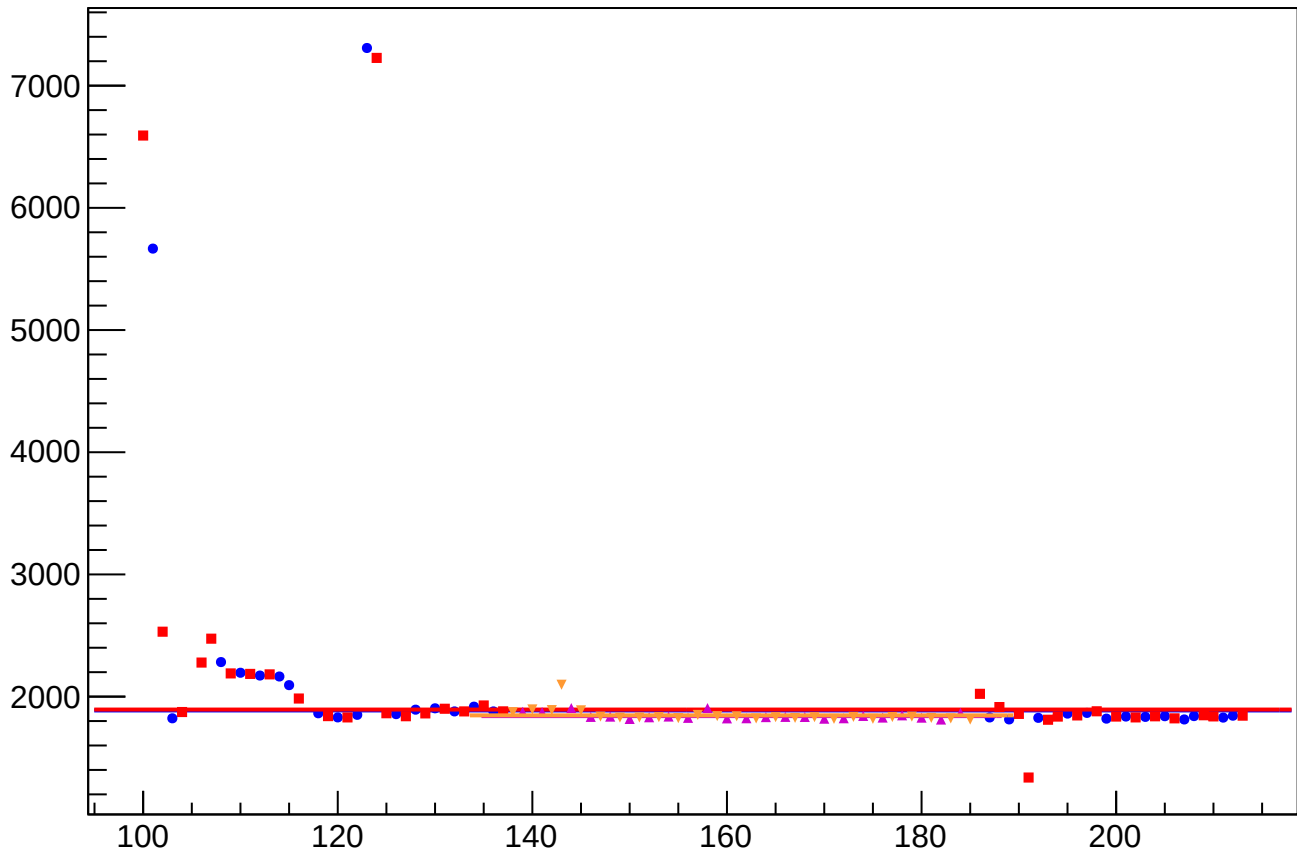
Left In: -2268.464 $\pm$ 441.710 χ^2 /NDF:26.9/22

+ sign 1811.134 $\pm$ 320.474 χ^2 /NDF: 54.8/54

All: -70.722 $\pm$ 226.185 χ^2 /NDF: 181.9/111

- sign -1938.552 $\pm$ 319.277 χ^2 /NDF: 58.4/56

reg_asym_at1_avg_rms vs Slug



Right In: 1886.840 $\pm$ 0.339 χ^2 /NDF: 640260.9/29

Left Out: 1846.602 $\pm$ 0.305 χ^2 /NDF: 27302.8/24

Right Out: 1894.081 $\pm$ 0.327 χ^2 /NDF: 476536.3/33

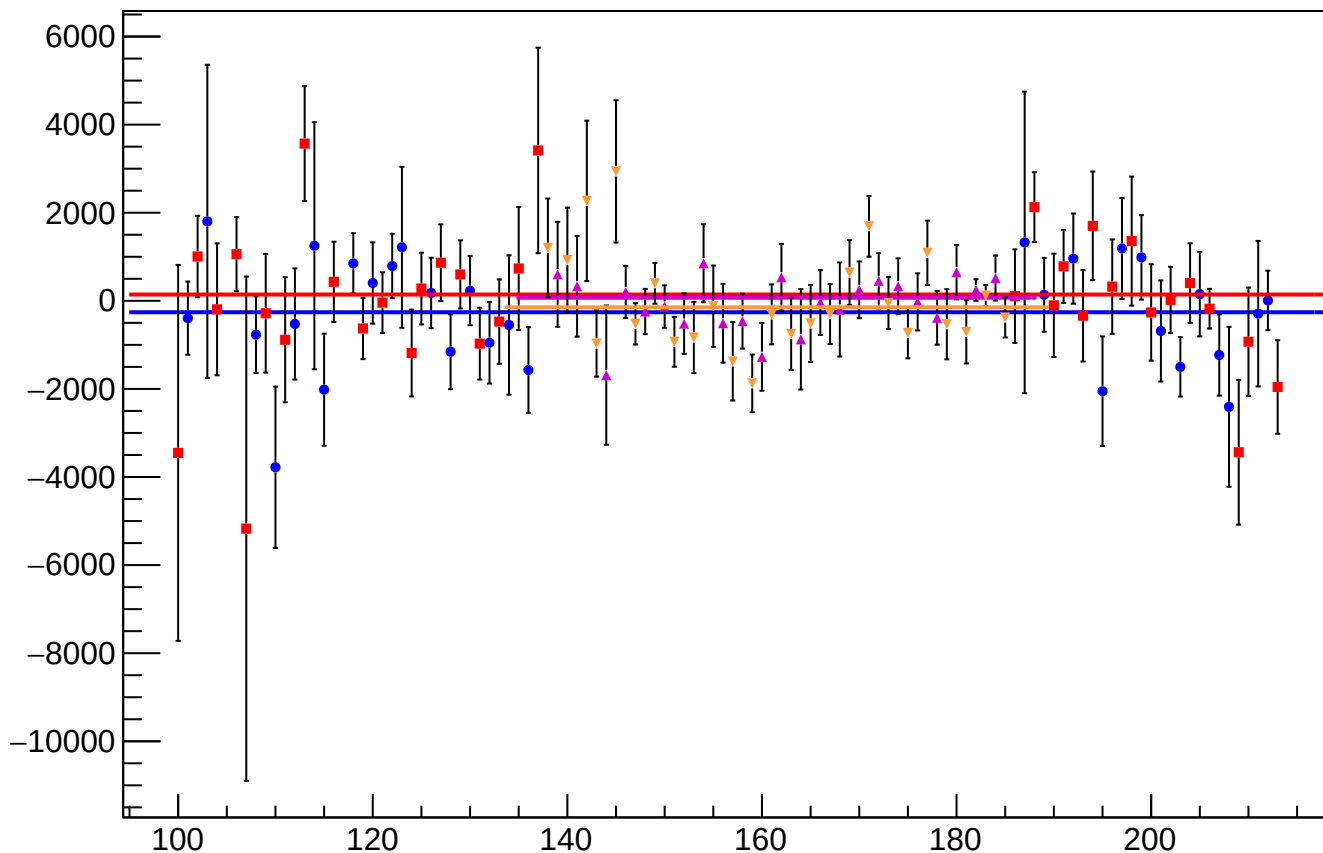
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1864.591 $\pm$ 0.227 χ^2 /NDF: 675357.8/54

All: 1865.352 $\pm$ 0.160 χ^2 /NDF: 1172688.1/117

- sign 1866.108 $\pm$ 0.226 χ^2 /NDF: 497307.9/56

asym_at1_avg_correction_mean vs Slug



Right In: -259.356+/-181.882 χ^2/NDF : 30.3/29

Left Out: -146.999+/-121.984 χ^2/NDF : 37.7/24

Right Out: 143.046+/-163.945 χ^2/NDF : 39.5/33

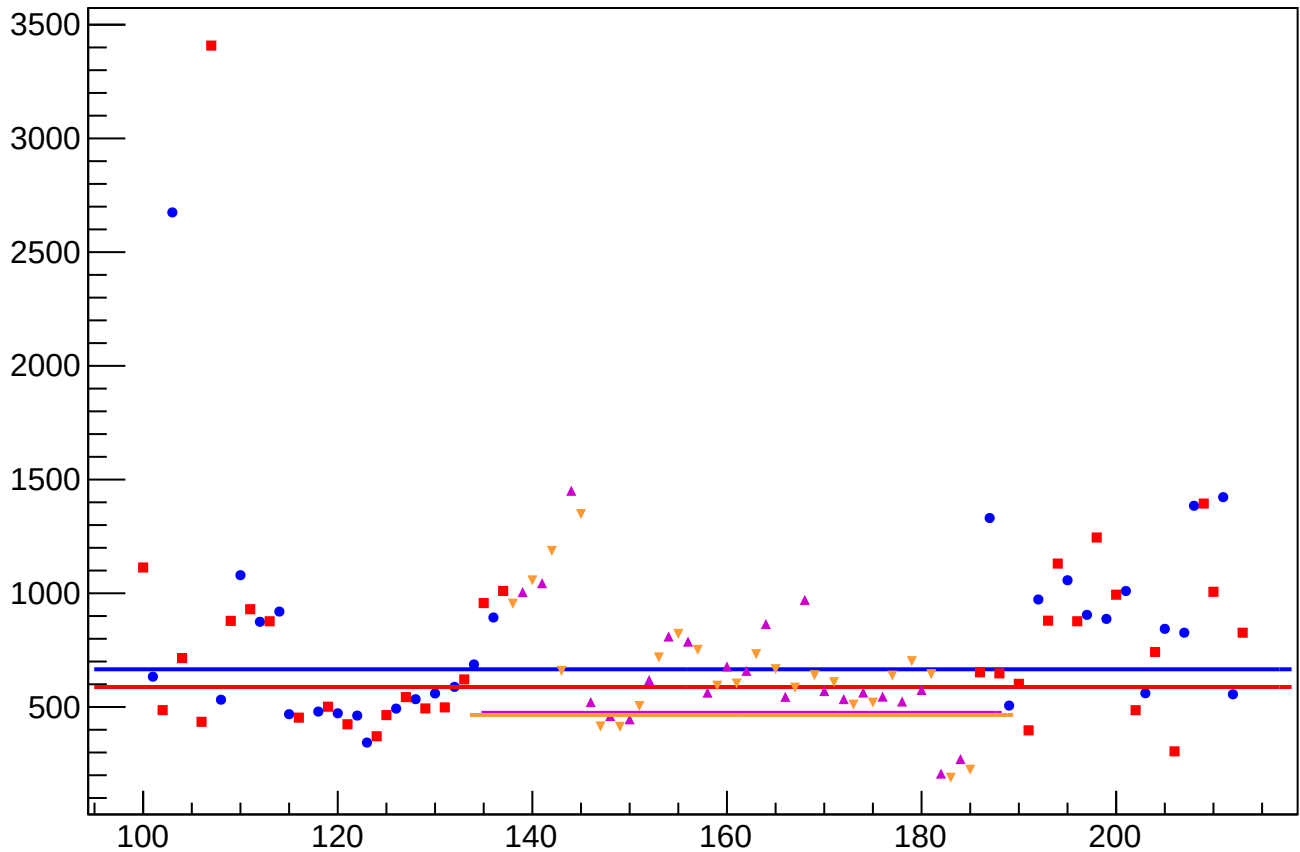
Left In: 70.340+/-126.373 χ^2/NDF : 12.3/22

+ sign -181.858+/-101.309 χ^2/NDF : 68.2/54

All: -40.518+/-71.201 χ^2/NDF : 124.0/111

- sign 97.439+/-100.089 χ^2/NDF : 51.9/56

asym_at1_avg_correction_rms vs Slug



Right In: 665.864 $\pm$ 0.129 χ^2 /NDF: 3529023.0/29

Left Out: 465.080 $\pm$ 0.086 χ^2 /NDF: 7086137.6/24

Right Out: 587.970 $\pm$ 0.116 χ^2 /NDF: 4715573.4/33

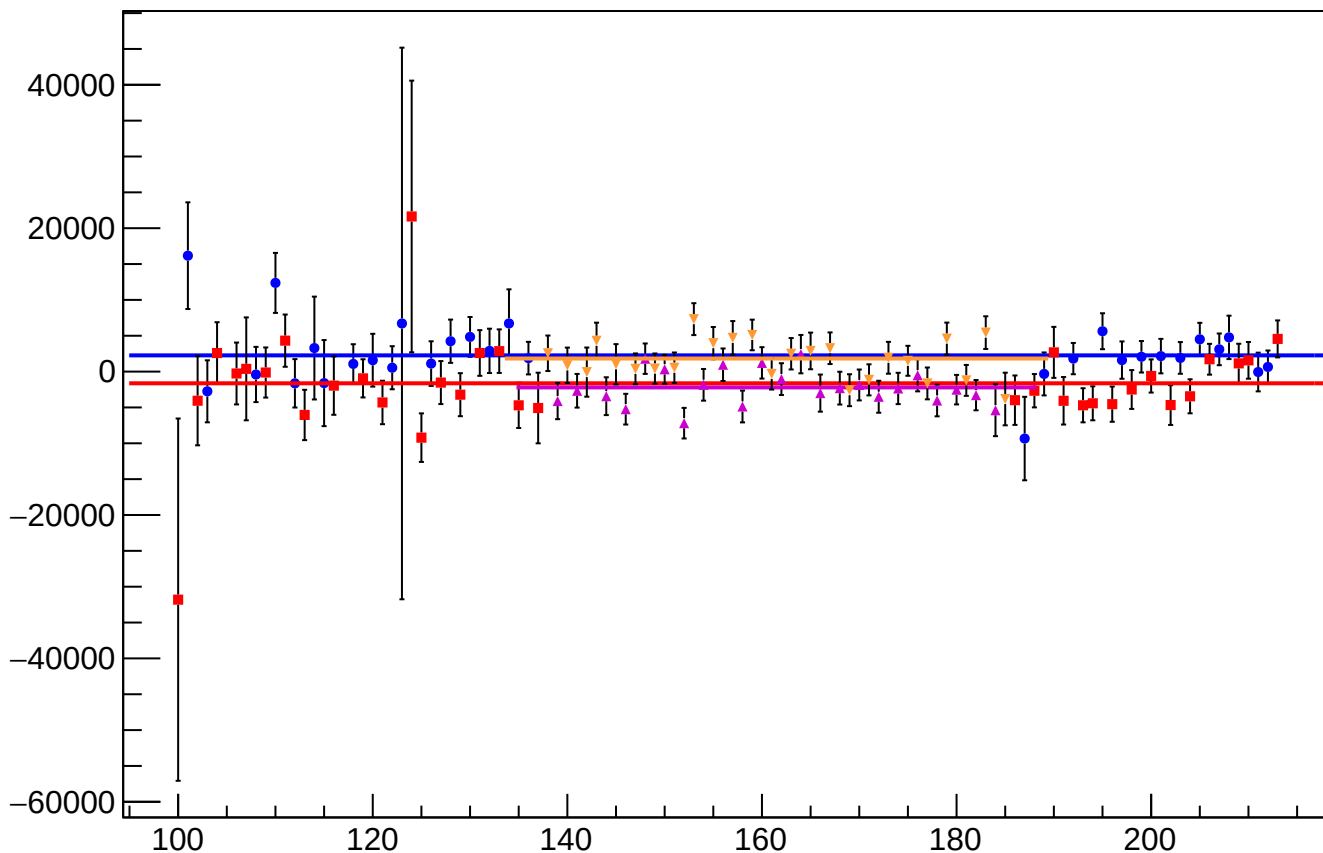
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 527.374 $\pm$ 0.072 χ^2 /NDF: 12296272.2/54

All: 521.944 $\pm$ 0.050 χ^2 /NDF: 23799799.9/11

- sign 516.643 $\pm$ 0.071 χ^2 /NDF: 11492172.1/56

asym_at1_avg_mean vs Slug



Right In: 2263.509 $\pm$ 541.677 χ^2 /NDF: 25.5/29

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -1630.759 $\pm$ 526.433 χ^2 /NDF: 40.2/33

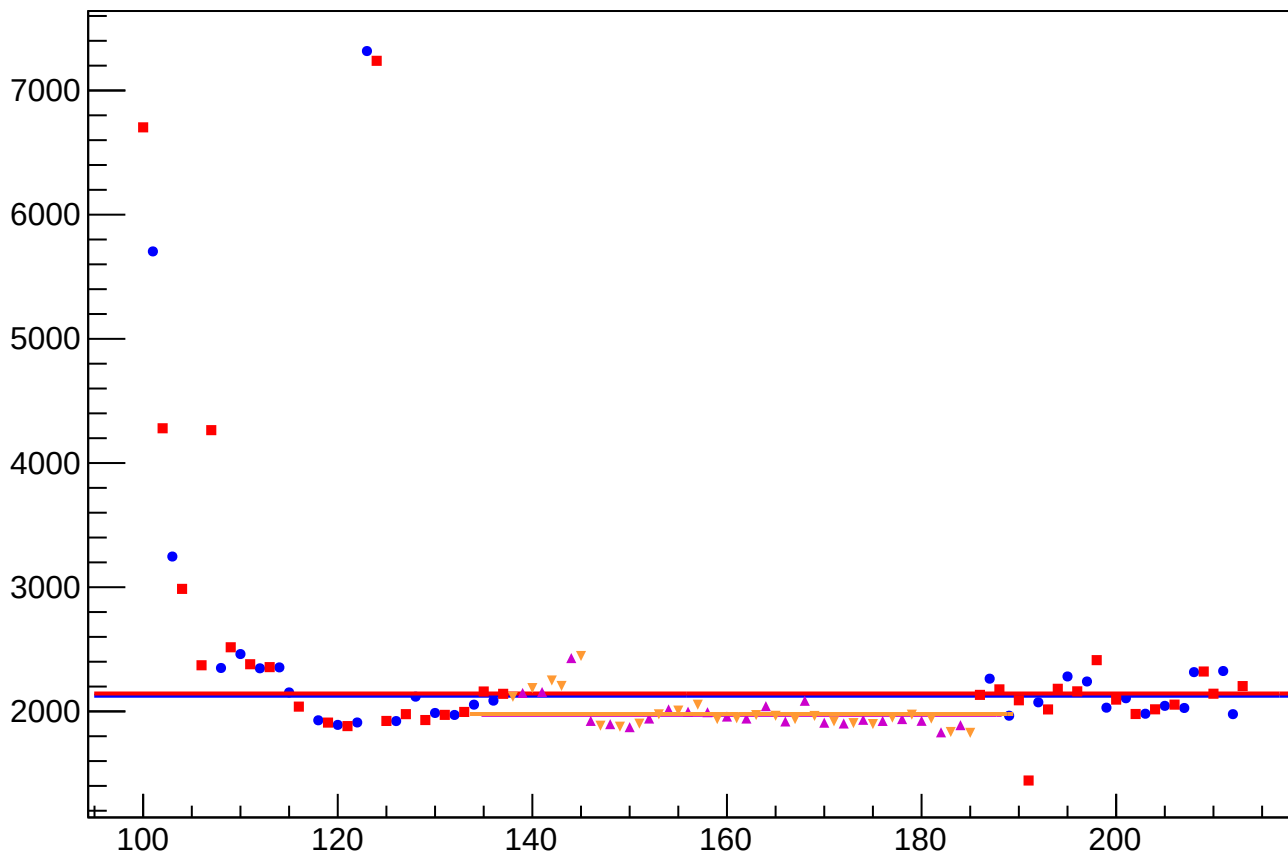
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 2009.442 $\pm$ 351.816 χ^2 /NDF: 58.0/54

All: 32.492 $\pm$ 248.933 χ^2 /NDF: 187.5/111

- sign -1949.583 $\pm$ 352.272 χ^2 /NDF: 66.2/56

asym_at1_avg_rms vs Slug



Right In: 2126.235+/-0.383 χ^2/NDF : 777757.3/29

Left Out: 1978.997+/-0.327 χ^2/NDF :139299.8/24

Right Out: 2144.159+/-0.372 χ^2/NDF : 951630.0/33

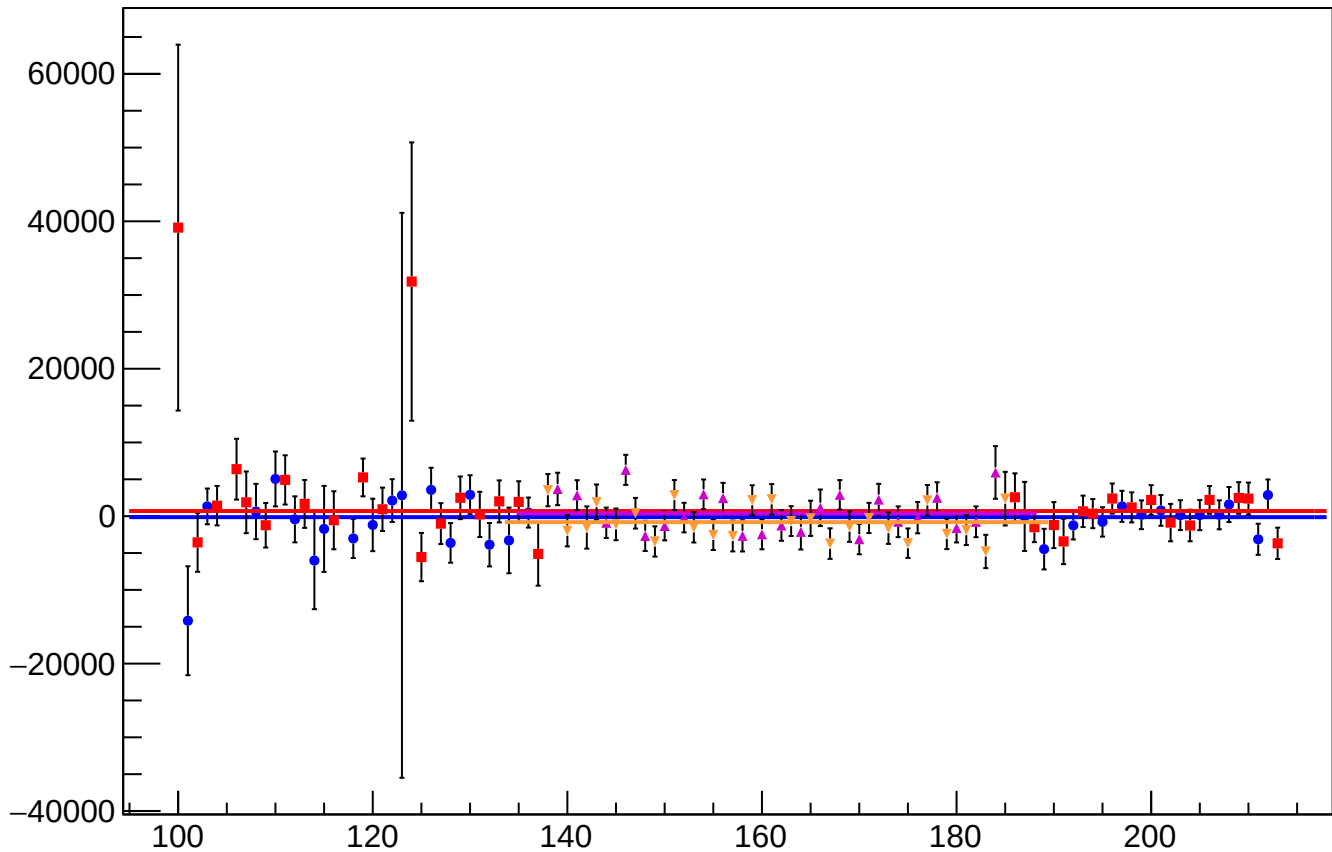
Left In: 1972.166+/-0.335 χ^2/NDF :116452.5/22

+ sign 2041.109+/-0.249 χ^2/NDF : 1002491.6/54

All: 2045.140+/-0.176 χ^2/NDF : 2188989.1/11

- sign 2049.182+/-0.249 χ^2/NDF : 1185971.5/56

reg_asym_at1_dd_mean vs Slug



Right In: -130.888 ± 475.988 χ^2/NDF : 23.7/29

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 694.720 ± 458.509 χ^2/NDF : 32.7/33

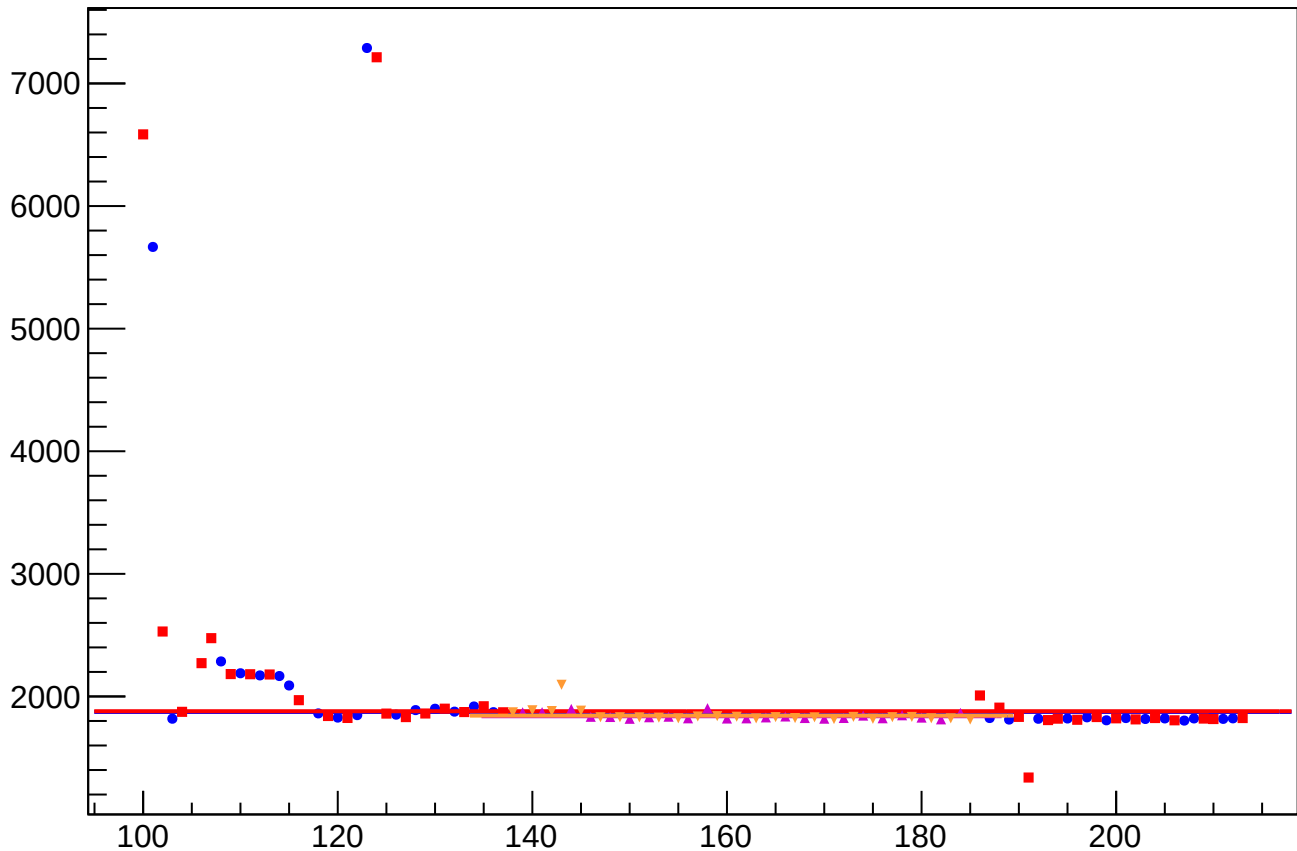
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -503.729 ± 319.203 χ^2/NDF : 52.8/54

All: 20.755 ± 225.261 χ^2/NDF : 125.5/111

- sign 541.083 ± 317.936 χ^2/NDF : 67.3/56

reg_asym_at1_dd_rms vs Slug



Right In: 1873.520+/-0.337 χ^2/NDF : 650153.0/29

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1879.451+/-0.324 χ^2/NDF : 485483.9/33

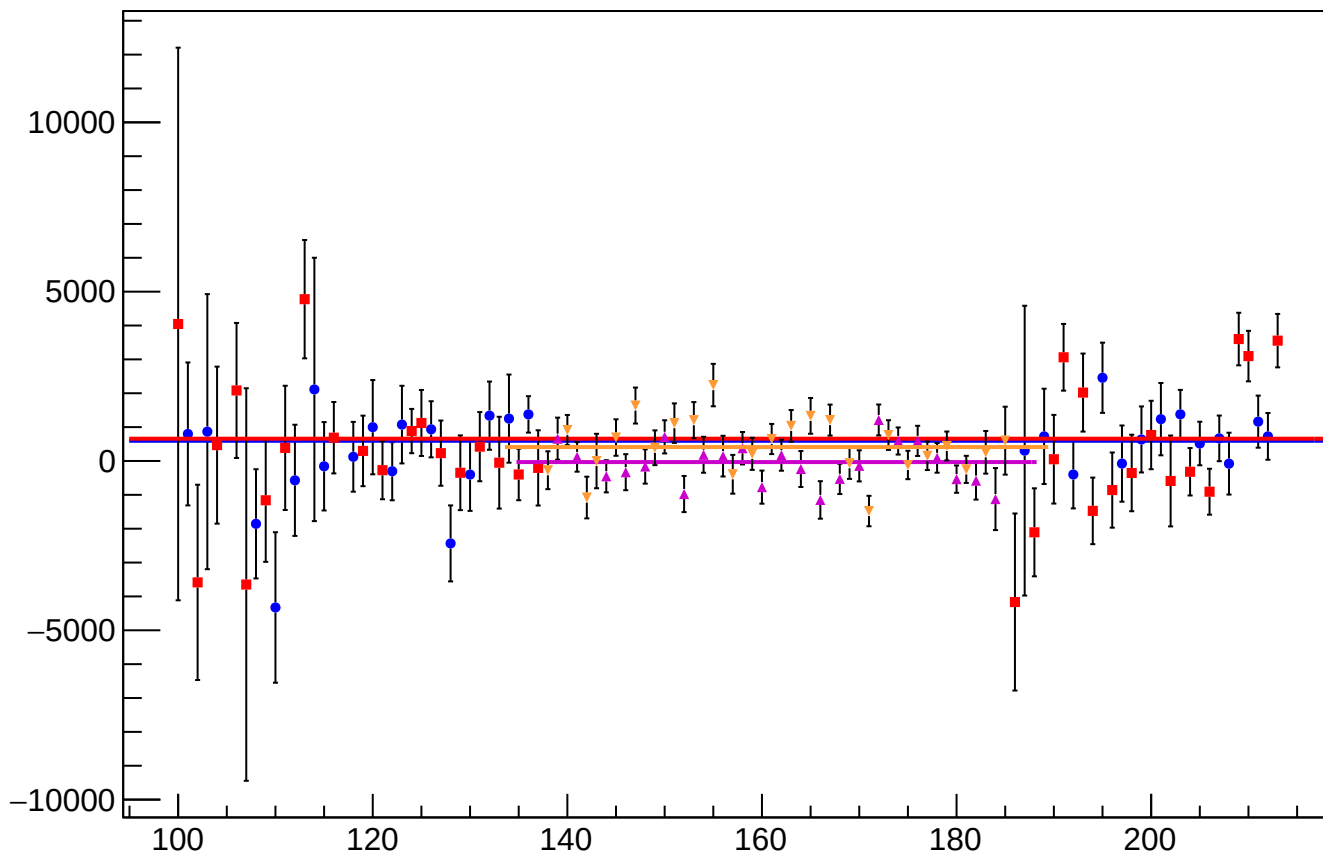
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1857.137+/-0.226 χ^2/NDF : 681326.4/54

All: 1857.694+/-0.159 χ^2/NDF : 1181395.8/111

- sign 1858.248+/-0.225 χ^2/NDF : 500057.2/56

asym_at1_dd_correction_mean vs Slug



Right In: 596.796 $\pm$ 181.482 χ^2 /NDF: 28.3/29

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF: 61.2/24

Right Out: 657.933 $\pm$ 180.825 χ^2 /NDF: 85.1/33

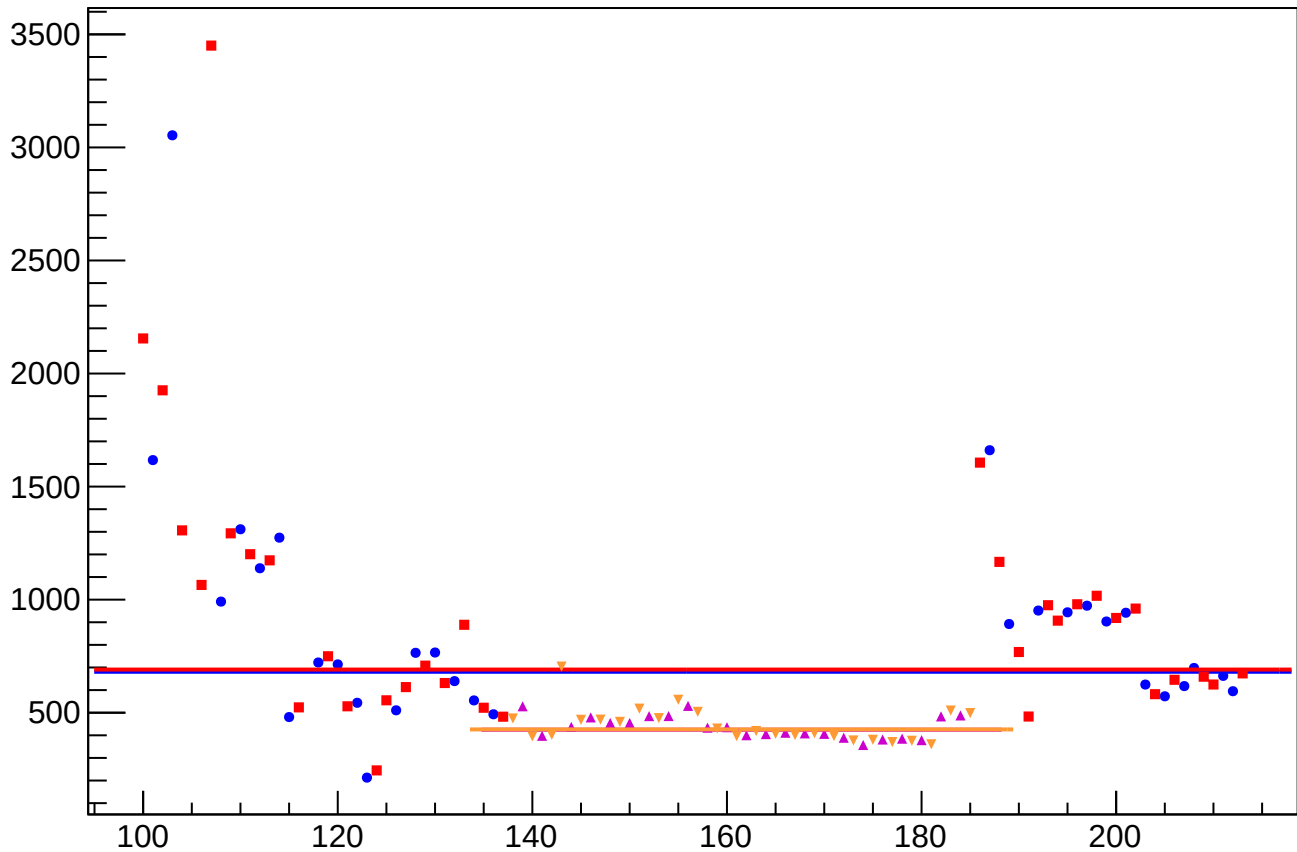
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 454.631 $\pm$ 87.890 χ^2 /NDF: 90.3/54

All: 297.107 $\pm$ 62.573 χ^2 /NDF: 225.6/111

- sign 135.192 $\pm$ 89.107 χ^2 /NDF: 128.8/56

asym_at1_dd_correction_rms vs Slug



Right In: 681.075 ± 0.128 χ^2/NDF : 3226919.4/29

Left Out: 426.027 ± 0.071 χ^2/NDF : 733072.9/24

Right Out: 690.842 ± 0.128 χ^2/NDF : 4343954.3/33

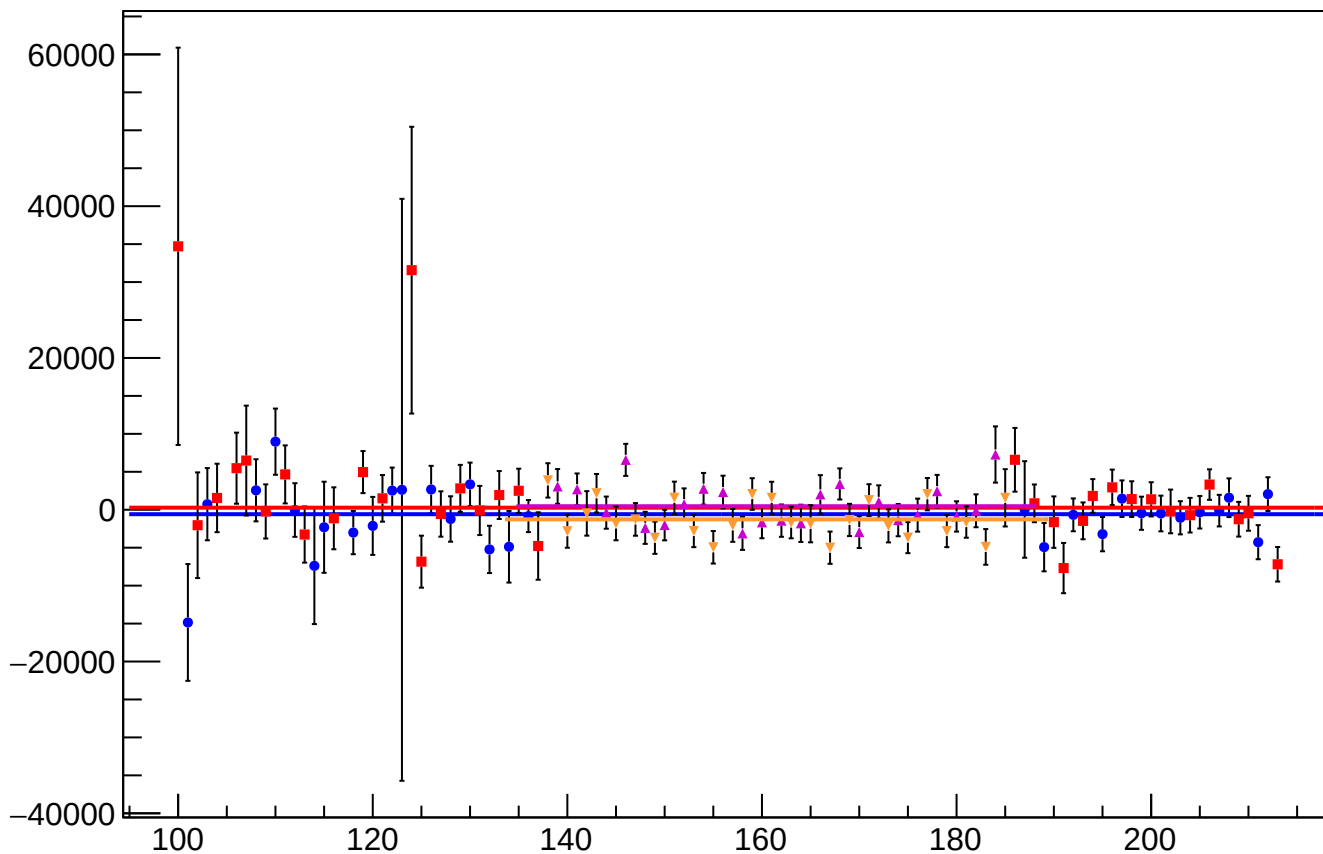
Left In: 424.639 ± 0.072 χ^2/NDF : 391611.2/22

+ sign 485.845 ± 0.062 χ^2/NDF : 6983631.2/54

All: 487.539 ± 0.044 χ^2/NDF : 15002665.4/11

- sign 489.281 ± 0.063 χ^2/NDF : 8017527.0/56

asym_at1_dd_mean vs Slug



Right In: -586.691 ± 525.940 χ^2/NDF : 26.7/29

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 270.741 ± 514.022 χ^2/NDF : 44.2/33

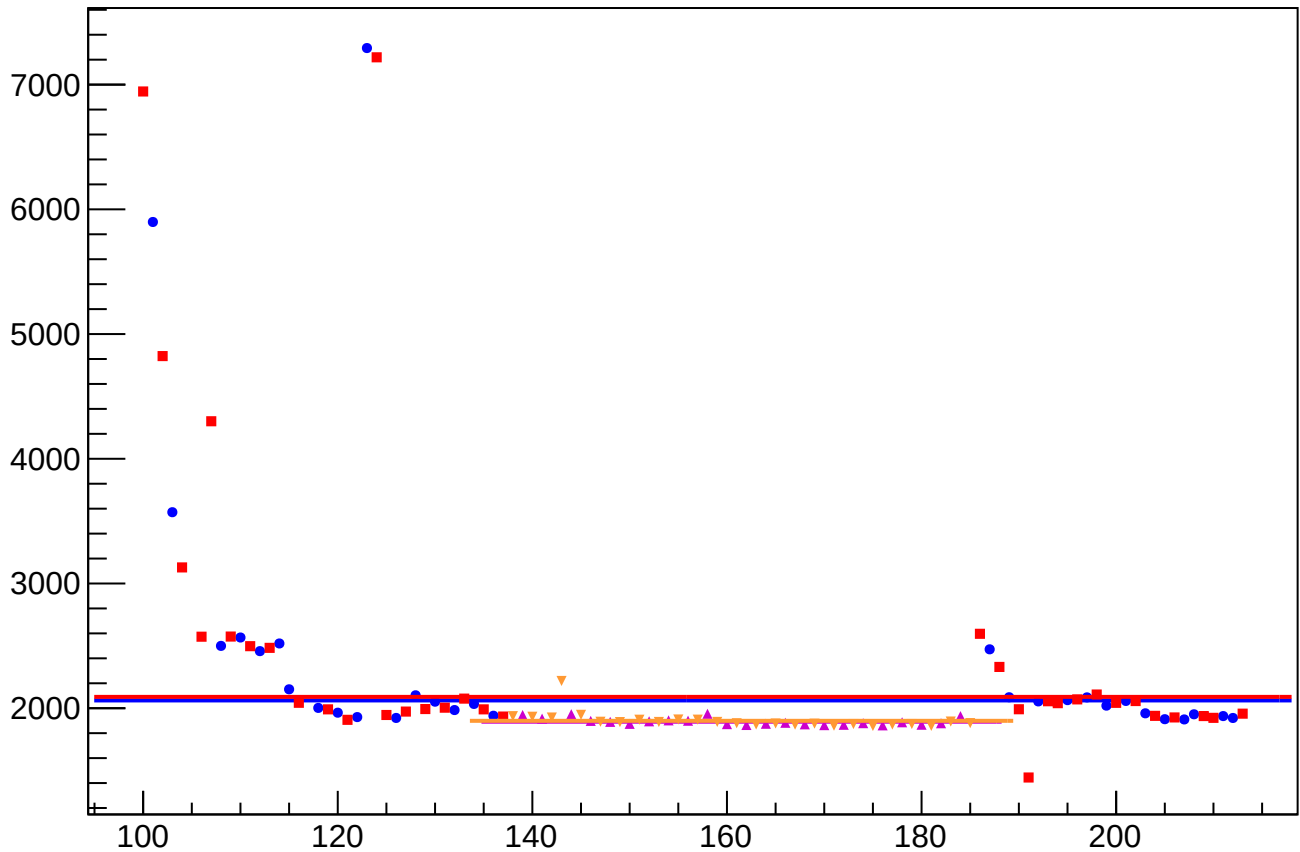
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -985.010 ± 338.921 χ^2/NDF : 58.5/54

All: -305.919 ± 240.124 χ^2/NDF : 143.4/111

- sign 378.532 ± 340.256 χ^2/NDF : 76.8/56

asym_at1_dd_rms vs Slug



Right In: 2062.331 $\pm$ 0.372 χ^2 /NDF: 889103.5/29

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2090.917 $\pm$ 0.363 χ^2 /NDF: 1122451.0/33

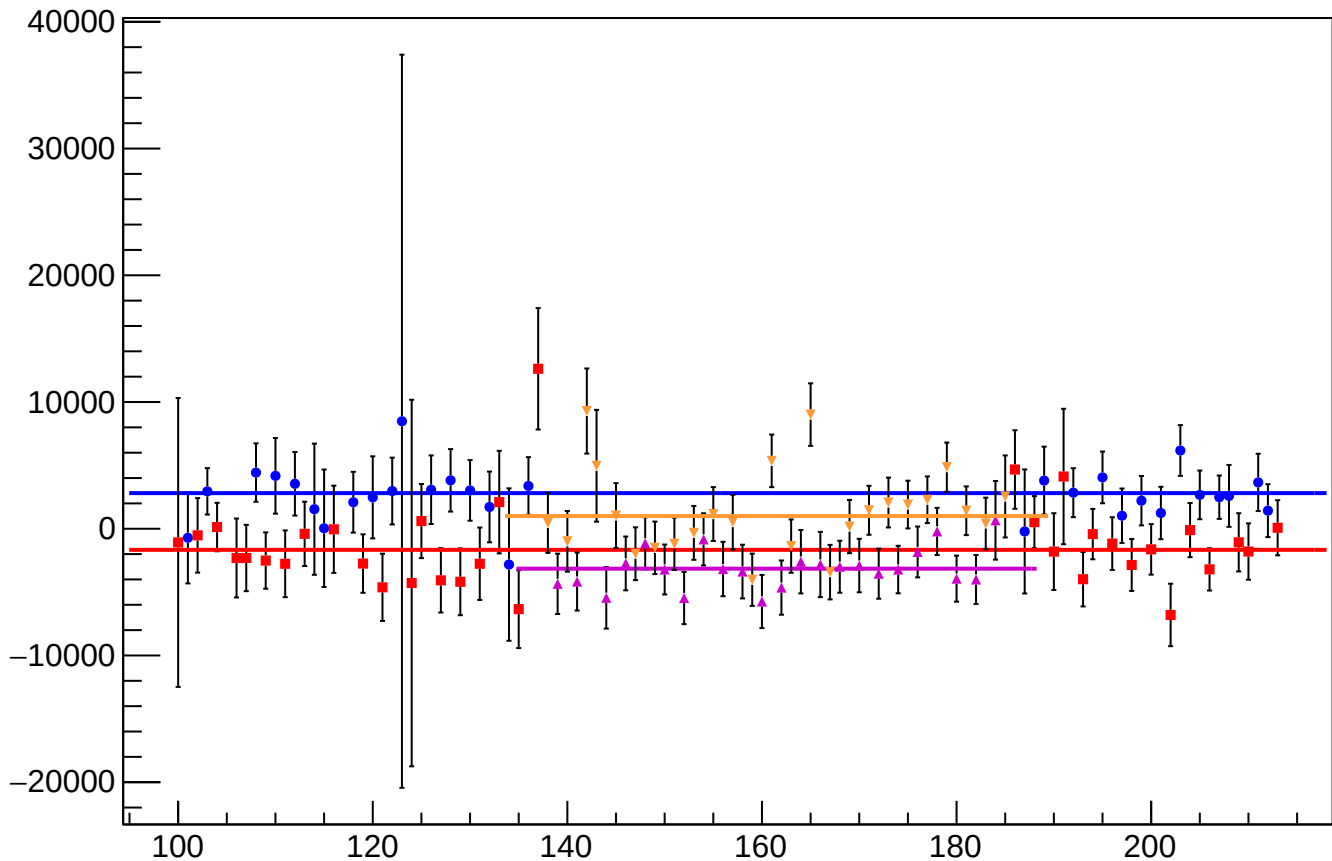
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1966.803 $\pm$ 0.240 χ^2 /NDF: 1040622.7/54

All: 1972.871 $\pm$ 0.170 χ^2 /NDF: 2340574.7/11

- sign 1978.988 $\pm$ 0.241 χ^2 /NDF: 1298664.5/56

reg_asym_at2_avg_mean vs Slug



Right In: 2811.659 $\pm$ 446.406 χ^2 /NDF: 9.3/29

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF: 44.6/24

Right Out: -1664.637 $\pm$ 432.836 χ^2 /NDF: 32.9/33

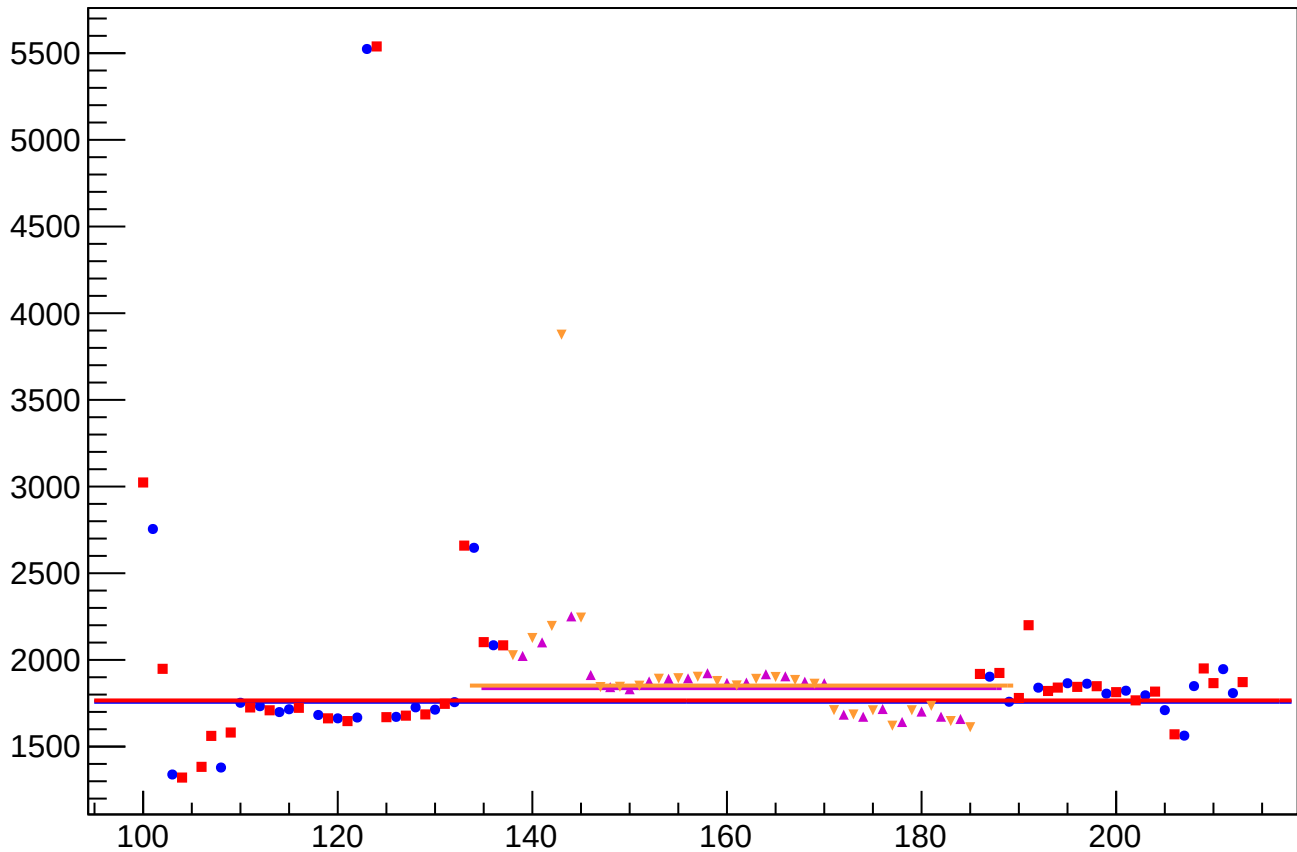
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF: 11.8/22

+ sign 1883.550 $\pm$ 311.636 χ^2 /NDF: 62.3/54

All: -273.397 $\pm$ 219.407 χ^2 /NDF: 207.9/111

- sign -2393.412 $\pm$ 308.957 χ^2 /NDF: 50.6/56

reg_asym_at2_avg_rms vs Slug



Right In: 1758.407+/-0.316 χ^2/NDF : 505360.7/29

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1766.180+/-0.306 χ^2/NDF : 570908.9/33

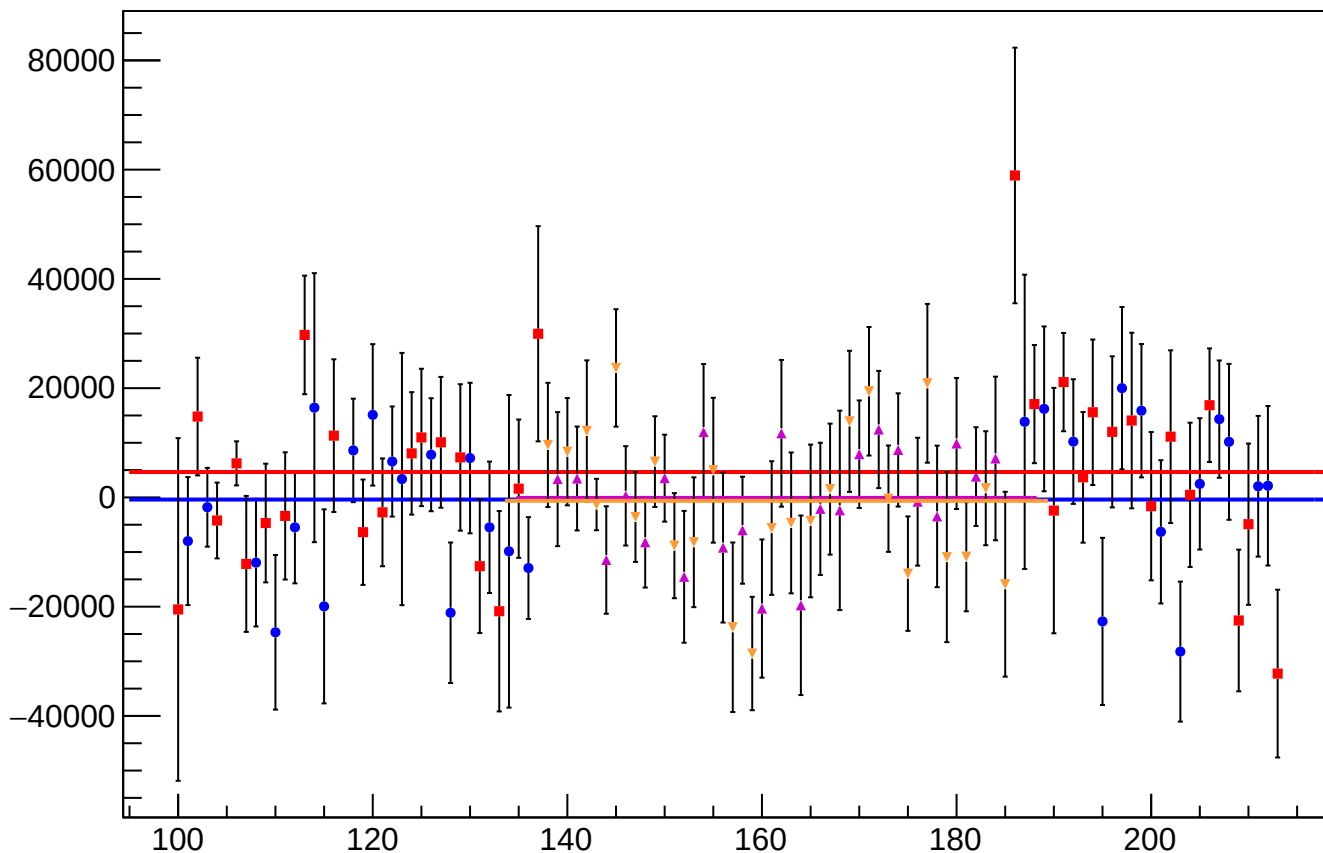
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1806.367+/-0.220 χ^2/NDF : 1199344.4/54

All: 1803.656+/-0.155 χ^2/NDF : 1997441.3/11

- sign 1800.991+/-0.218 χ^2/NDF : 797796.7/56

asym_at2_avg_correction_mean vs Slug



Right In: -389.428 ± 2268.236 $\chi^2/\text{NDF}: 30.4/29$

Left Out: -619.372 ± 2069.686 $\chi^2/\text{NDF}: 30.1/24$

Right Out: 4650.404 ± 1890.727 $\chi^2/\text{NDF}: 43.9/33$

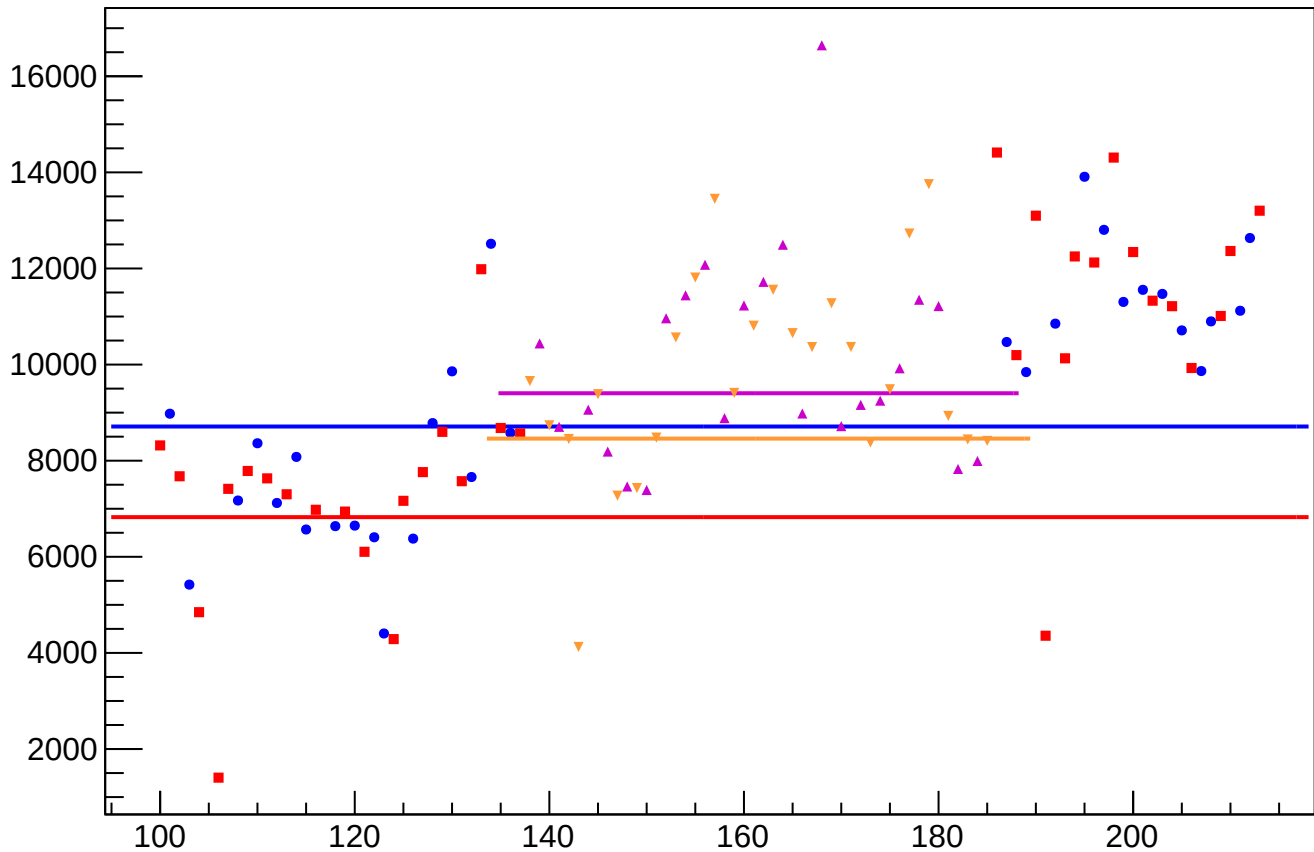
Left In: -93.334 ± 2293.826 $\chi^2/\text{NDF}: 14.6/22$

+ sign -514.903 ± 1528.873 $\chi^2/\text{NDF}: 60.5/54$

All: 1184.093 ± 1055.499 $\chi^2/\text{NDF}: 124.0/111$

- sign 2731.299 ± 1458.980 $\chi^2/\text{NDF}: 61.1/56$

asym_at2_avg_correction_rms vs Slug



Right In: 8711.219+/-1.604 χ^2/NDF : 2108490.3/29

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 6825.632+/-1.337 χ^2/NDF : 7862734.9/33

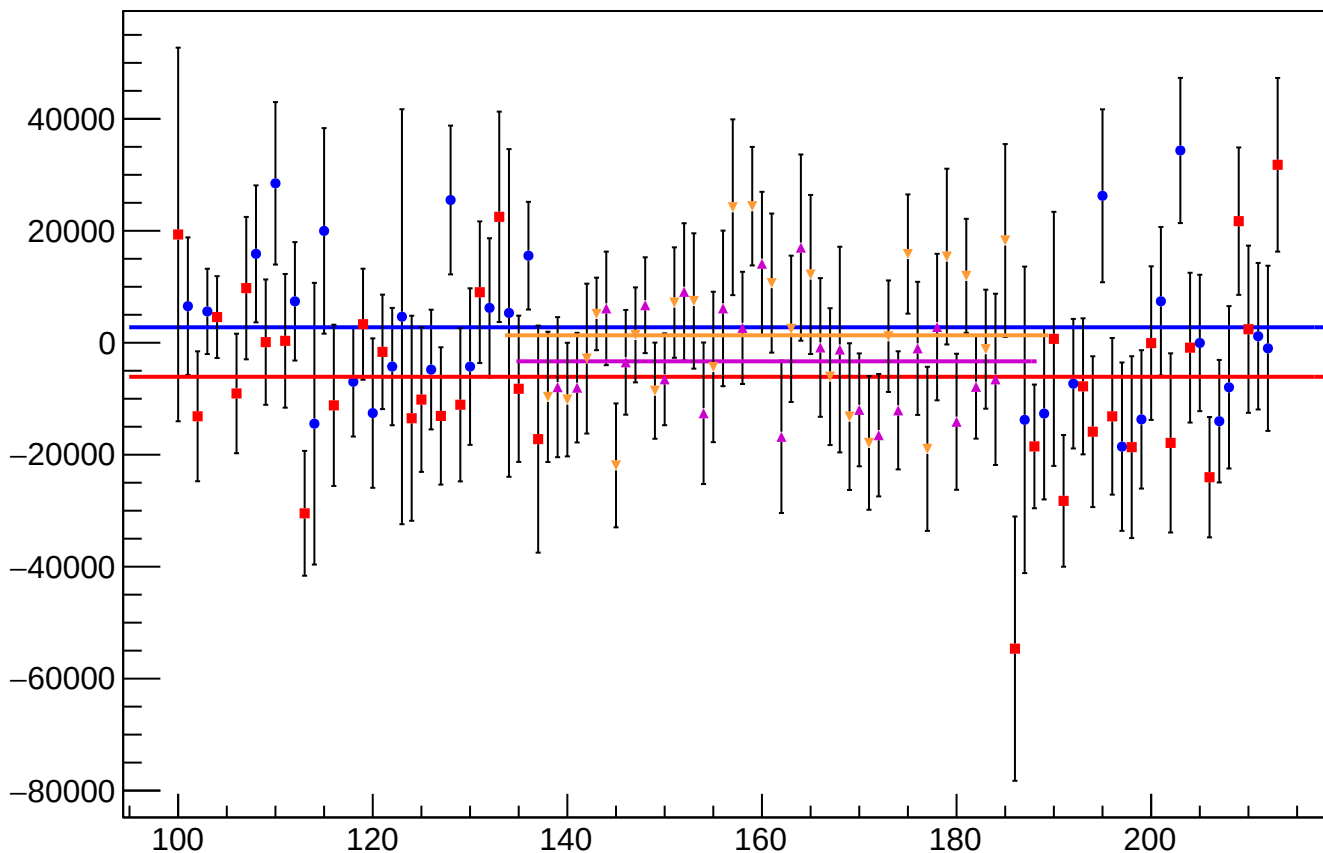
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8574.113+/-1.081 χ^2/NDF : 5209082.3/54

All: 8204.817+/-0.746 χ^2/NDF : 15941481.2/100

- sign 7868.515+/-1.032 χ^2/NDF : 10509443.0/56

asym_at2_avg_mean vs Slug



Right In: 2765.891+/-2339.274 χ^2/NDF : 31.7/29

Left Out: 1332.828+/-2213.733 χ^2/NDF :28.0/24

Right Out: -6080.419+/-2202.608 χ^2/NDF : 41.1/33

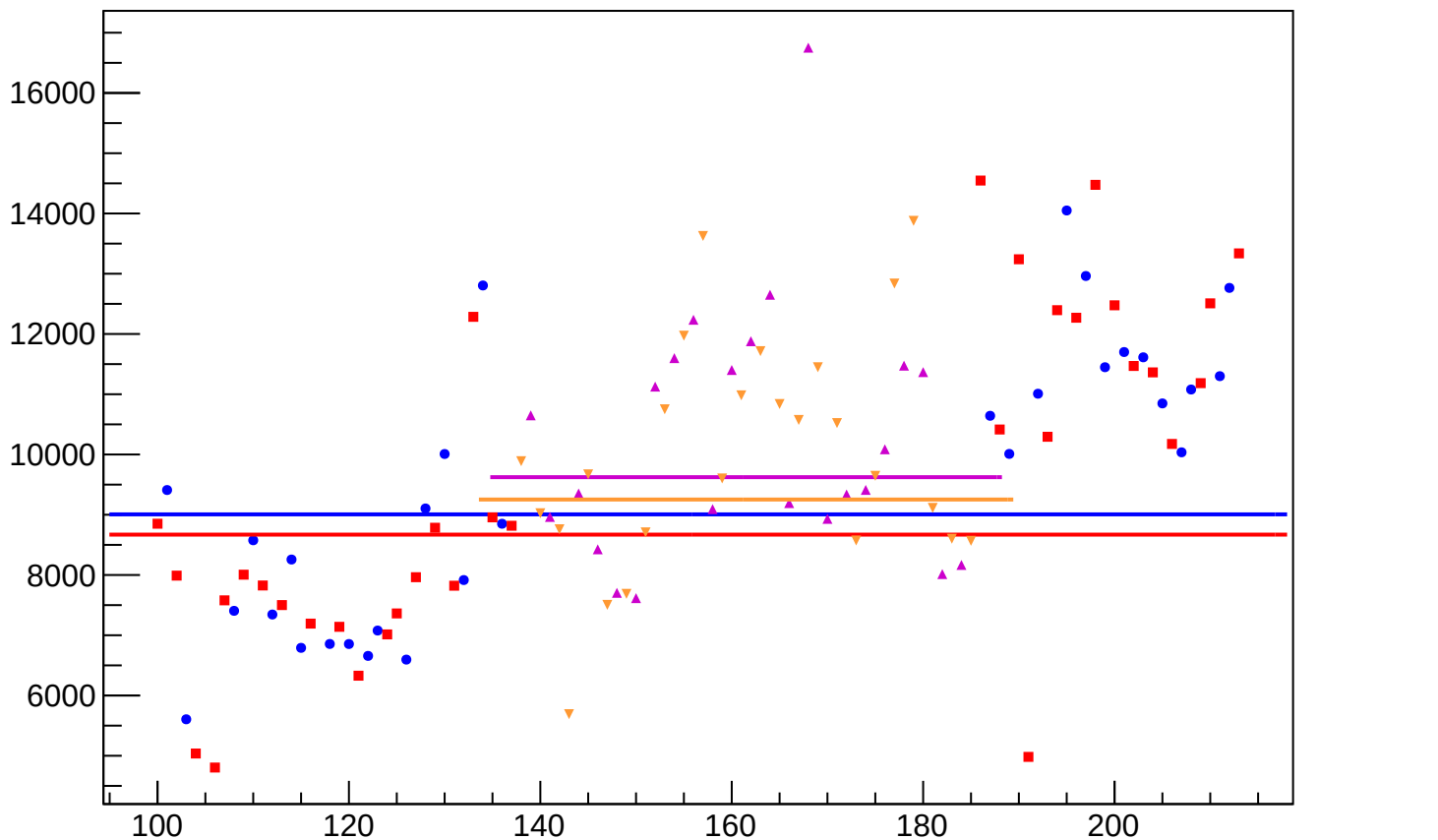
Left In: -3316.909+/-2344.543 χ^2/NDF :13.7/22

+ sign 2009.876+/-1607.896 χ^2/NDF : 59.9/54

All: -1392.946+/-1136.040 χ^2/NDF : 124.4/11

- sign -4784.840+/-1605.312 χ^2/NDF : 55.5/56

asym_at2_avg_rms vs Slug



Right In: 9006.199+/-1.654 χ^2/NDF : 1897011.6/29

Left Out: 9252.712+/-1.565 χ^2/NDF : 1597668.9/24

Right Out: 8670.060+/-1.557 χ^2/NDF : 2868828.6/33

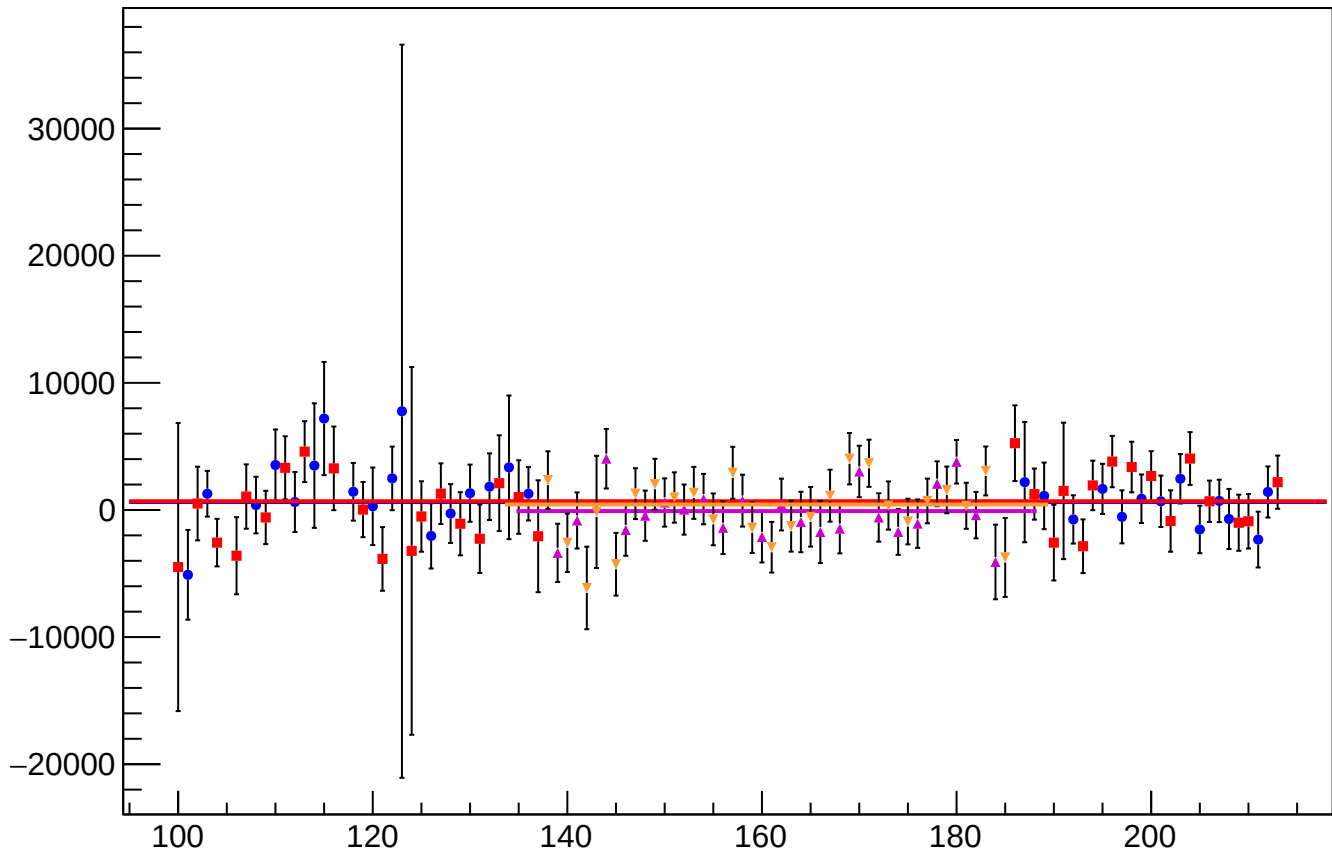
Left In: 9623.485+/-1.658 χ^2/NDF : 1069924.0/22

+ sign 9136.246+/-1.137 χ^2/NDF : 3506397.6/54

All: 9126.605+/-0.803 χ^2/NDF : 7620993.6/11

- sign 9116.995+/-1.135 χ^2/NDF : 4114452.4/56

reg_asym_at2_dd_mean vs Slug



Right In: 624.425 ± 429.948 χ^2/NDF : 14.8/29

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 686.840 ± 417.108 χ^2/NDF : 32.8/33

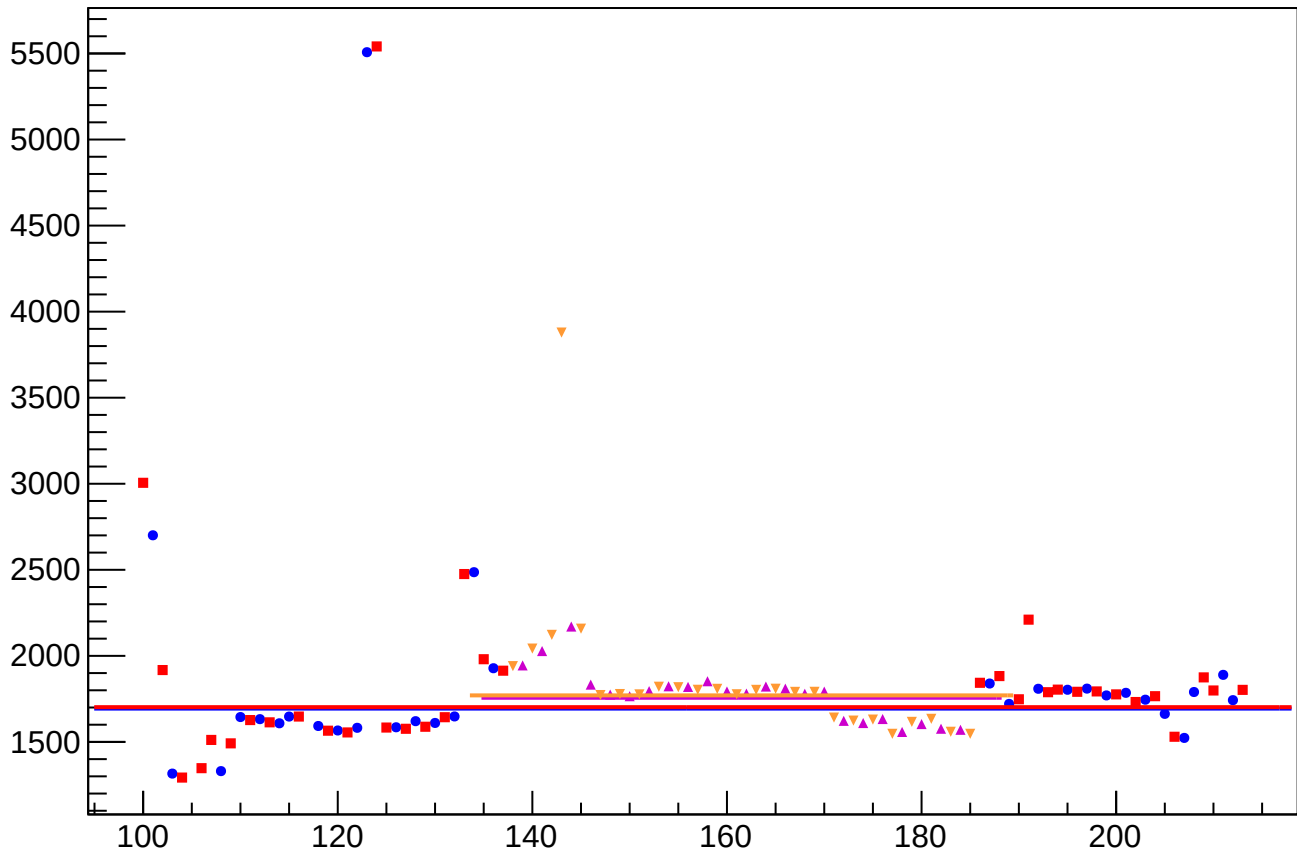
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 523.810 ± 299.106 χ^2/NDF : 43.6/54

All: 412.850 ± 210.622 χ^2/NDF : 99.3/111

- sign 303.713 ± 296.640 χ^2/NDF : 55.4/56

reg_asym_at2_dd_rms vs Slug



Right In: 1693.690 $\pm$ 0.304 χ^2 /NDF: 499007.5/29

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1701.907 $\pm$ 0.295 χ^2 /NDF: 579161.5/33

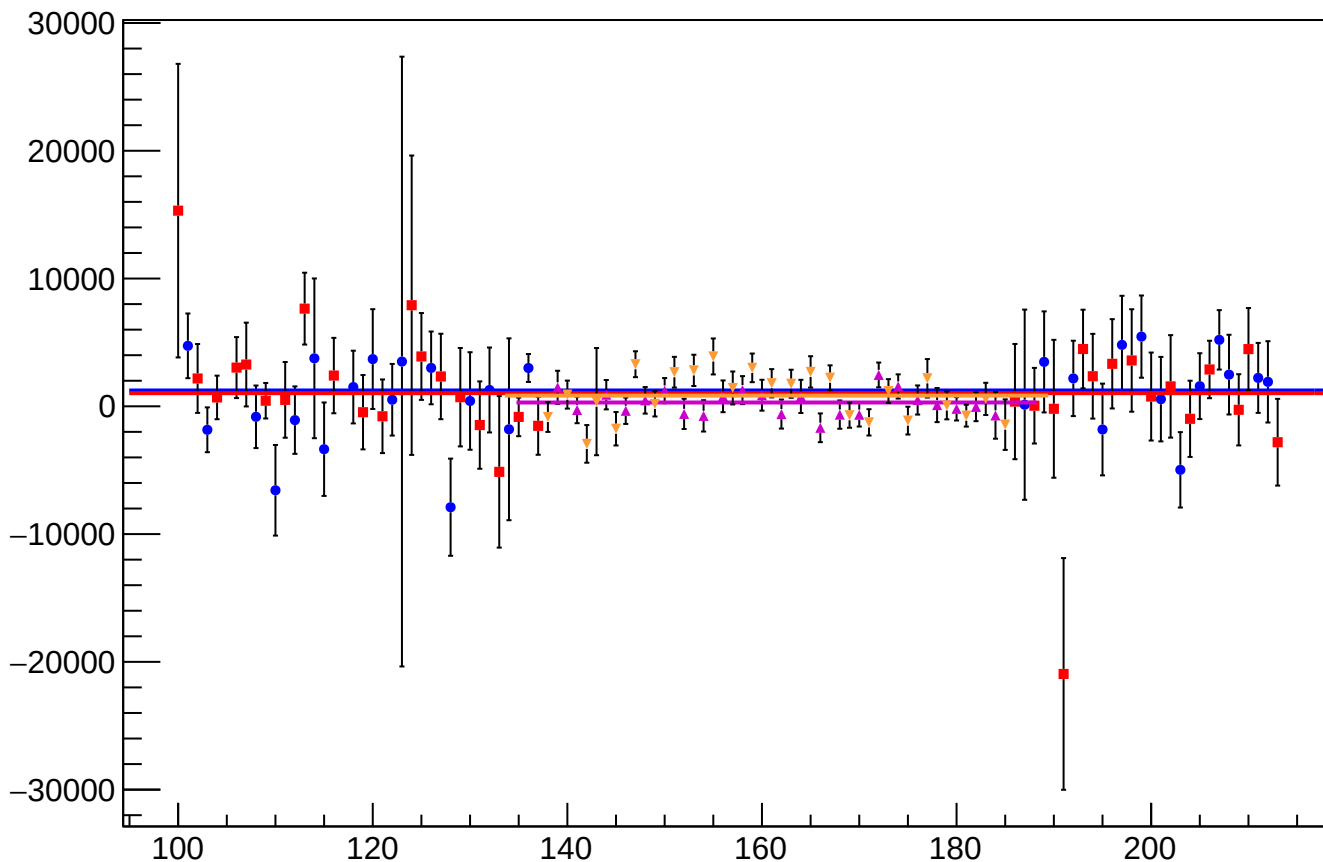
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1733.266 $\pm$ 0.211 χ^2 /NDF: 1231383.8/54

All: 1731.090 $\pm$ 0.149 χ^2 /NDF: 2050842.3/11

- sign 1728.949 $\pm$ 0.210 χ^2 /NDF: 819248.4/56

asym_at2_dd_correction_mean vs Slug



Right In: 1238.369 $\pm$ 512.101 χ^2 /NDF: 34.0/29

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF: 54.4/24

Right Out: 1029.372 $\pm$ 488.666 χ^2 /NDF: 27.3/33

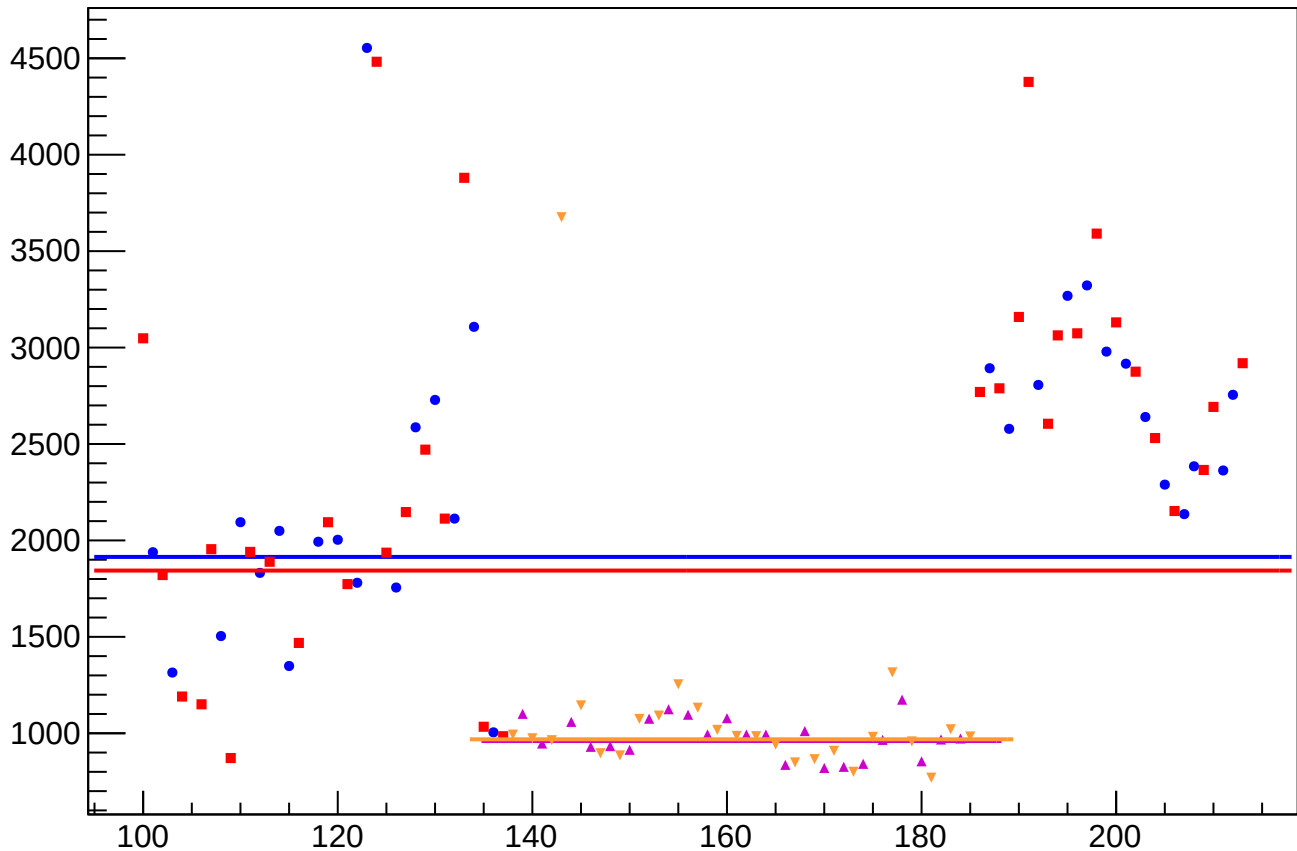
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 906.549 $\pm$ 210.163 χ^2 /NDF: 88.9/54

All: 668.422 $\pm$ 148.244 χ^2 /NDF: 138.9/111

- sign 432.614 $\pm$ 209.137 χ^2 /NDF: 47.5/56

asym_at2_dd_correction_rms vs Slug



Right In: 1914.474 $\pm$ 0.362 χ^2 /NDF: 3634551.9/29

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

Right Out: 1843.683 $\pm$ 0.346 χ^2 /NDF: 5349446.4/33

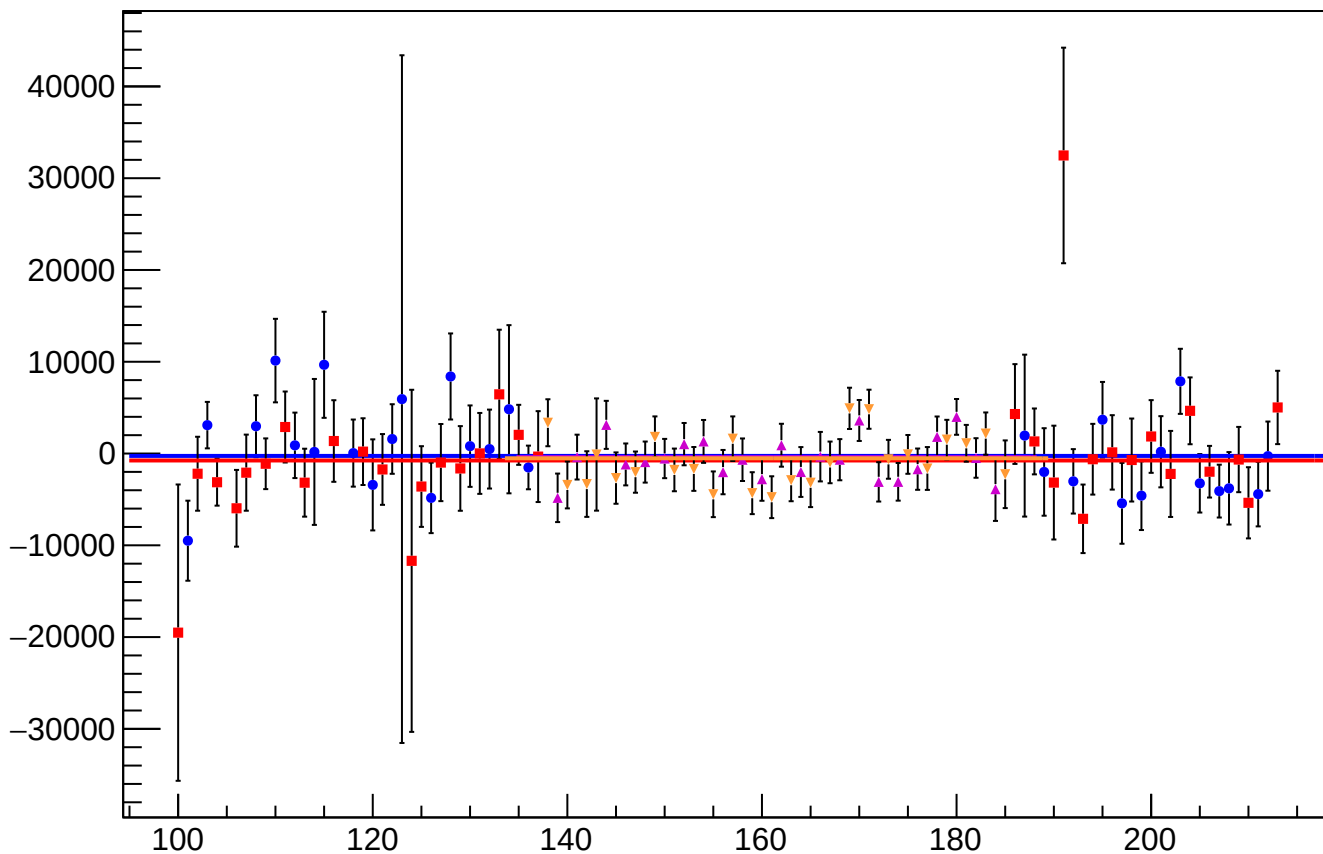
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1128.000 $\pm$ 0.149 χ^2 /NDF: 10700882.5/54

All: 1124.834 $\pm$ 0.105 χ^2 /NDF: 21767182.5/100

- sign 1121.698 $\pm$ 0.148 χ^2 /NDF: 11065396.5/56

asym_at2_dd_mean vs Slug



Right In: -259.201 ± 713.902 χ^2/NDF : 36.2/29

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -755.771 ± 694.085 χ^2/NDF : 27.1/33

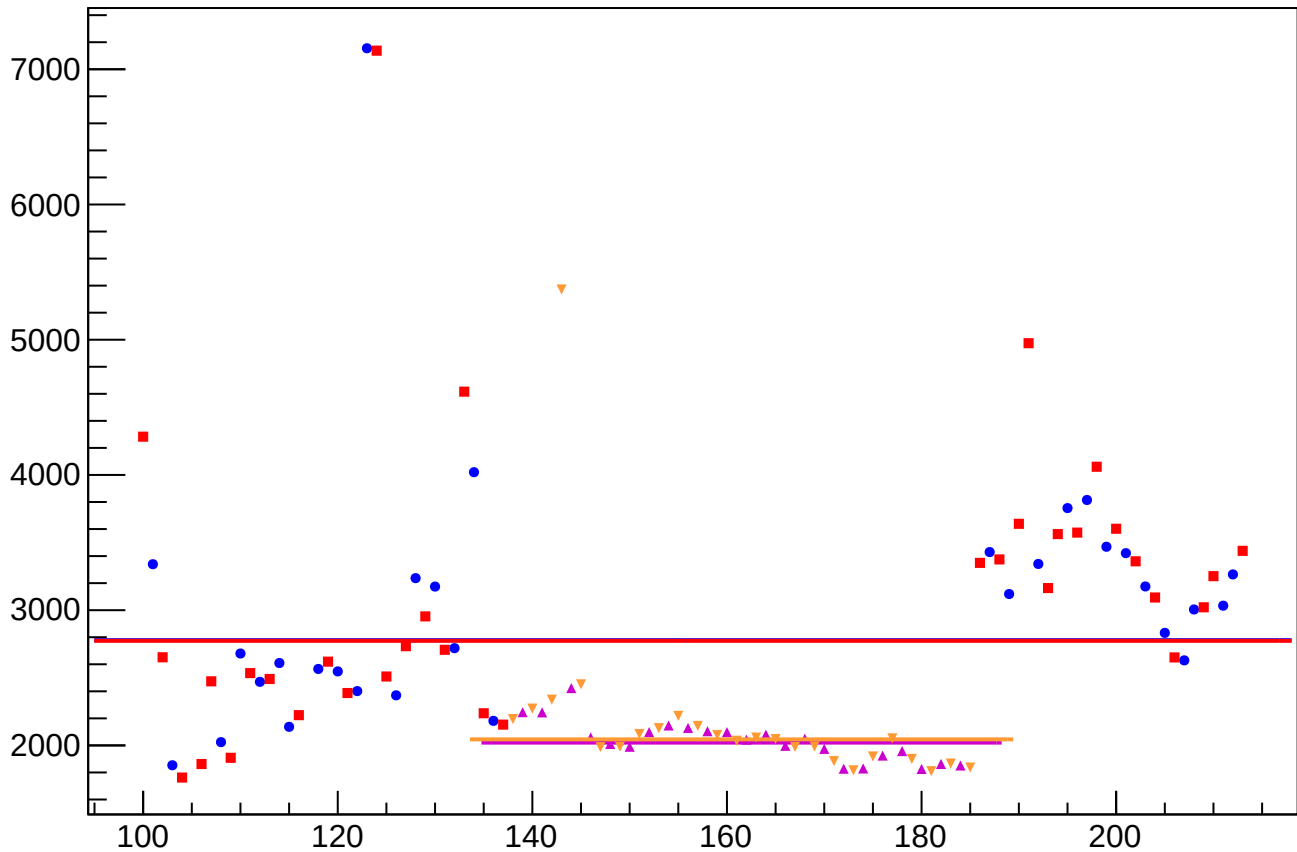
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -436.892 ± 399.182 χ^2/NDF : 70.3/54

All: -476.097 ± 281.698 χ^2/NDF : 119.4/111

- sign -514.988 ± 397.585 χ^2/NDF : 49.0/56

asym_at2_dd_rms vs Slug



Right In: 2778.138+/-0.505 χ^2/NDF : 1220626.3/29

Left Out: 2044.722+/-0.340 χ^2/NDF : 788703.5/24

Right Out: 2773.623+/-0.491 χ^2/NDF : 1818654.1/33

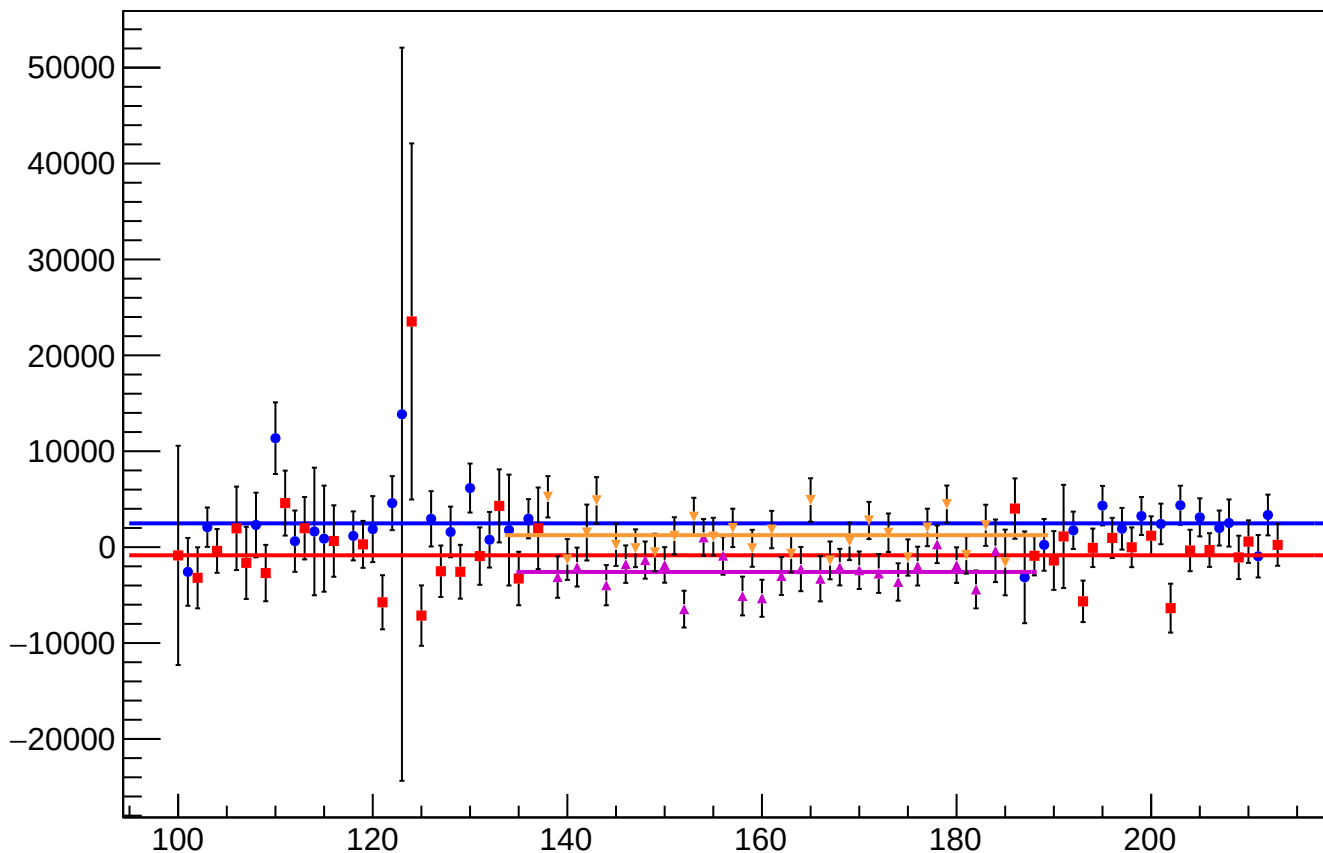
Left In: 2020.802+/-0.343 χ^2/NDF : 173502.0/22

+ sign 2274.029+/-0.282 χ^2/NDF : 3460199.7/54

All: 2270.912+/-0.199 χ^2/NDF : 7033416.4/11

- sign 2267.820+/-0.281 χ^2/NDF : 3572973.8/56

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2480.454 ± 468.349 χ^2/NDF : 18.6/29

Left Out: 1249.917 ± 412.486 χ^2/NDF : 23.0/24

Right Out: -847.353 ± 457.903 χ^2/NDF : 32.7/33

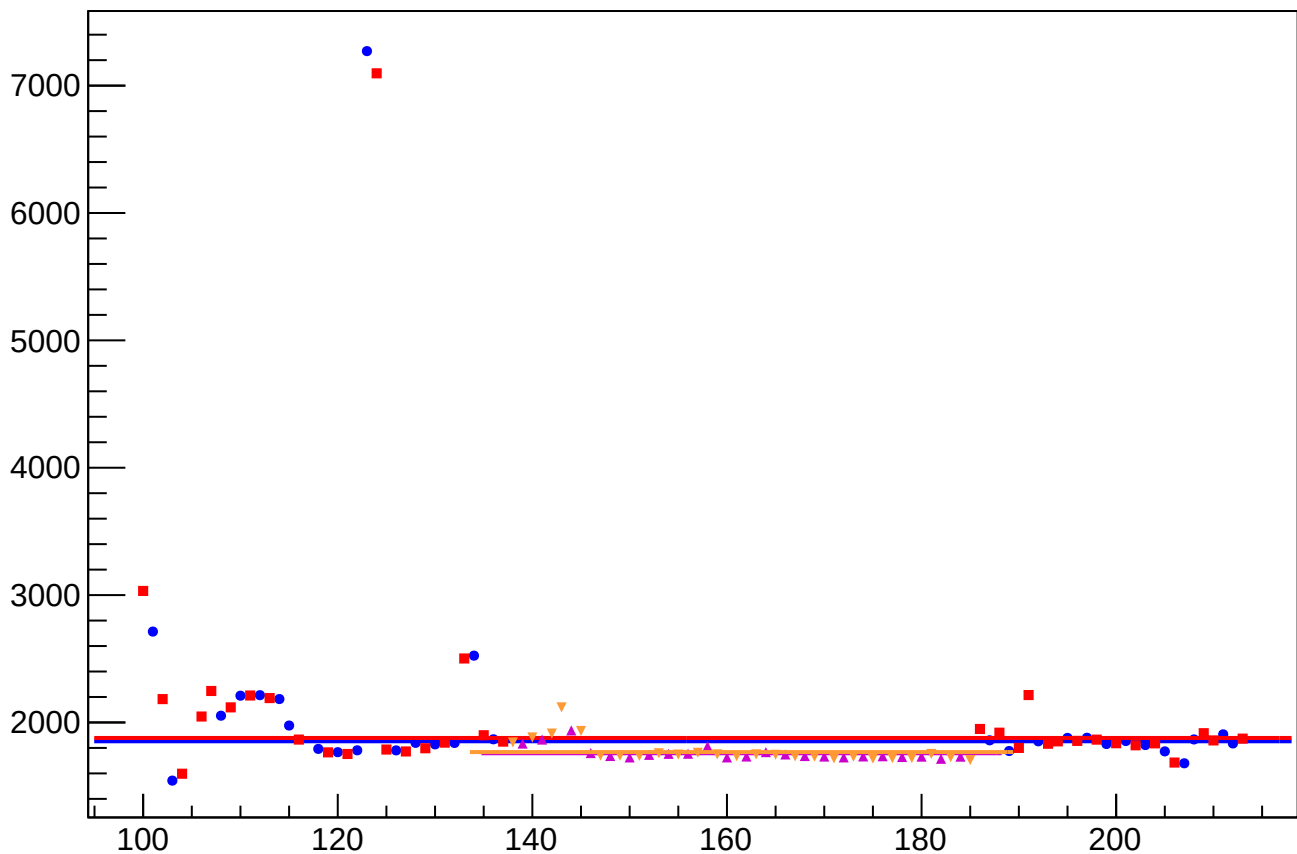
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1787.456 ± 309.548 χ^2/NDF : 45.5/54

All: 2.535 ± 219.086 χ^2/NDF : 170.1/111

- sign -1789.011 ± 310.122 χ^2/NDF : 58.0/56

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1852.195+/-0.331 χ^2/NDF : 318952.3/29

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1878.357+/-0.324 χ^2/NDF : 409784.7/33

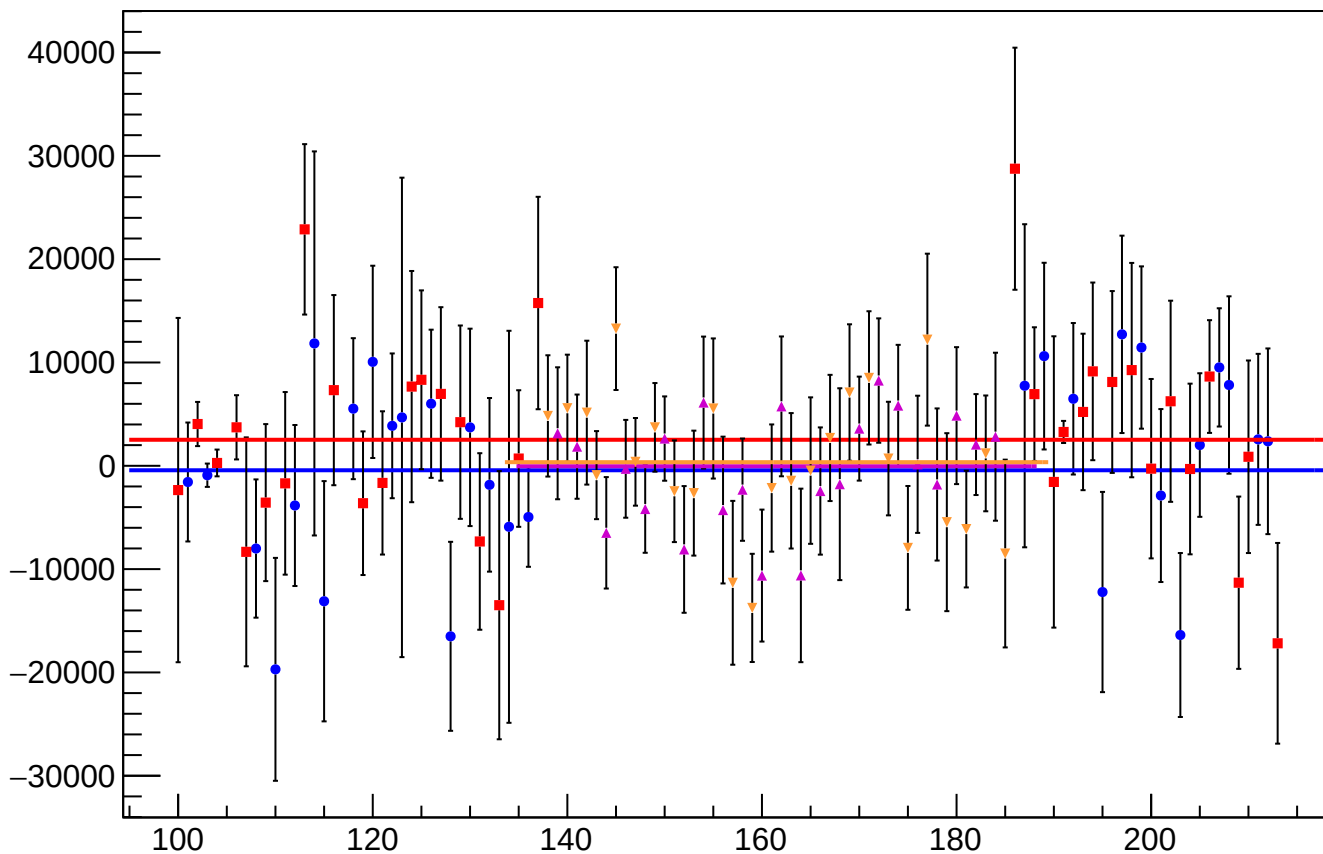
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1804.507+/-0.219 χ^2/NDF : 433445.8/54

All: 1808.888+/-0.155 χ^2/NDF : 948589.2/111

- sign 1813.284+/-0.219 χ^2/NDF : 514340.8/56

asym_atl1r2_avg_correction_mean vs Slug



Right In: -432.190 ± 903.564 χ^2/NDF : 30.8/29

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2519.739 ± 674.489 χ^2/NDF : 34.8/33

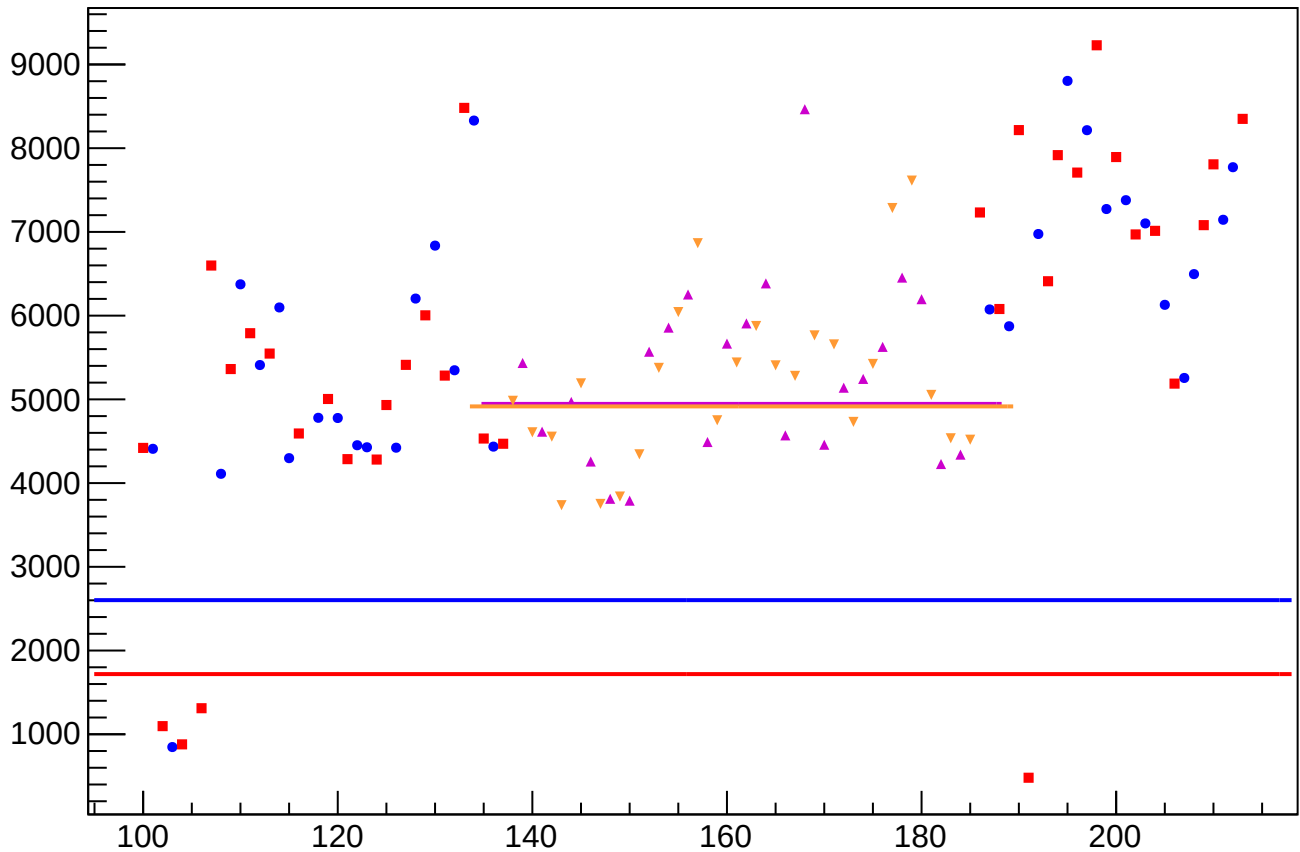
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -139.525 ± 715.144 χ^2/NDF : 58.9/54

All: 1082.395 ± 454.580 χ^2/NDF : 118.0/111

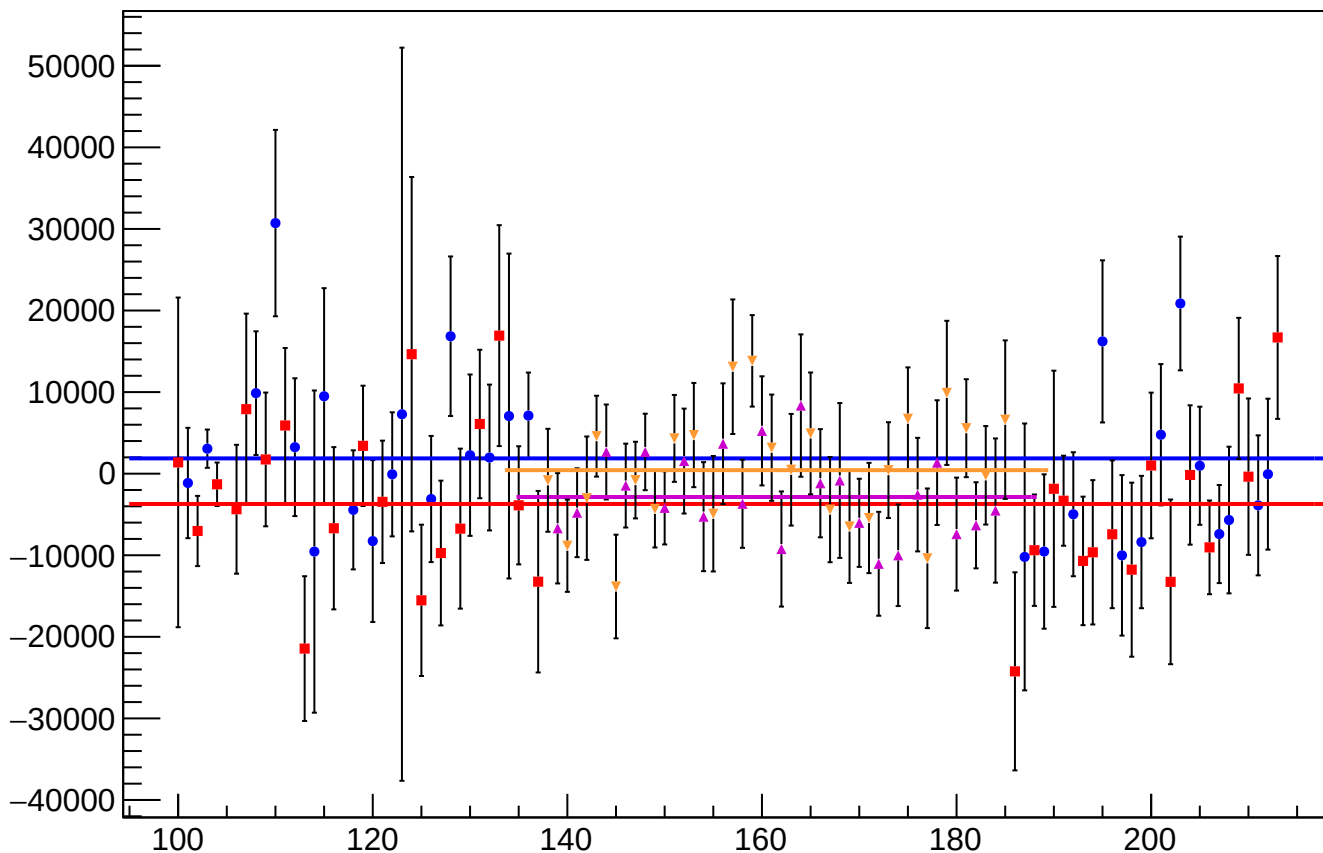
- sign 1910.844 ± 588.850 χ^2/NDF : 54.2/56

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2601.967+/-0.639	χ^2/NDF : 14935736.6/29	+ sign 3466.381+/-0.506	χ^2/NDF : 21022012.3/54
Left Out: 4915.865+/-0.827	χ^2/NDF : 1186479.7/24	All: 2882.217+/-0.321	χ^2/NDF : 55708691.5/1
Right Out: 1718.698+/-0.477	χ^2/NDF : 20371063.6/33	- sign 2486.160+/-0.416	χ^2/NDF : 32447436.5/56
Left In: 4945.817+/-0.854	χ^2/NDF : 1188288.6/22		

asym_atl1r2_avg_mean vs Slug



Right In: 1873.893+/-1328.474 χ^2/NDF : 31.4/29

Left Out: 430.860+/-1258.273 χ^2/NDF :27.1/24

Right Out: -3713.905+/-1287.685 χ^2/NDF : 30.8/33

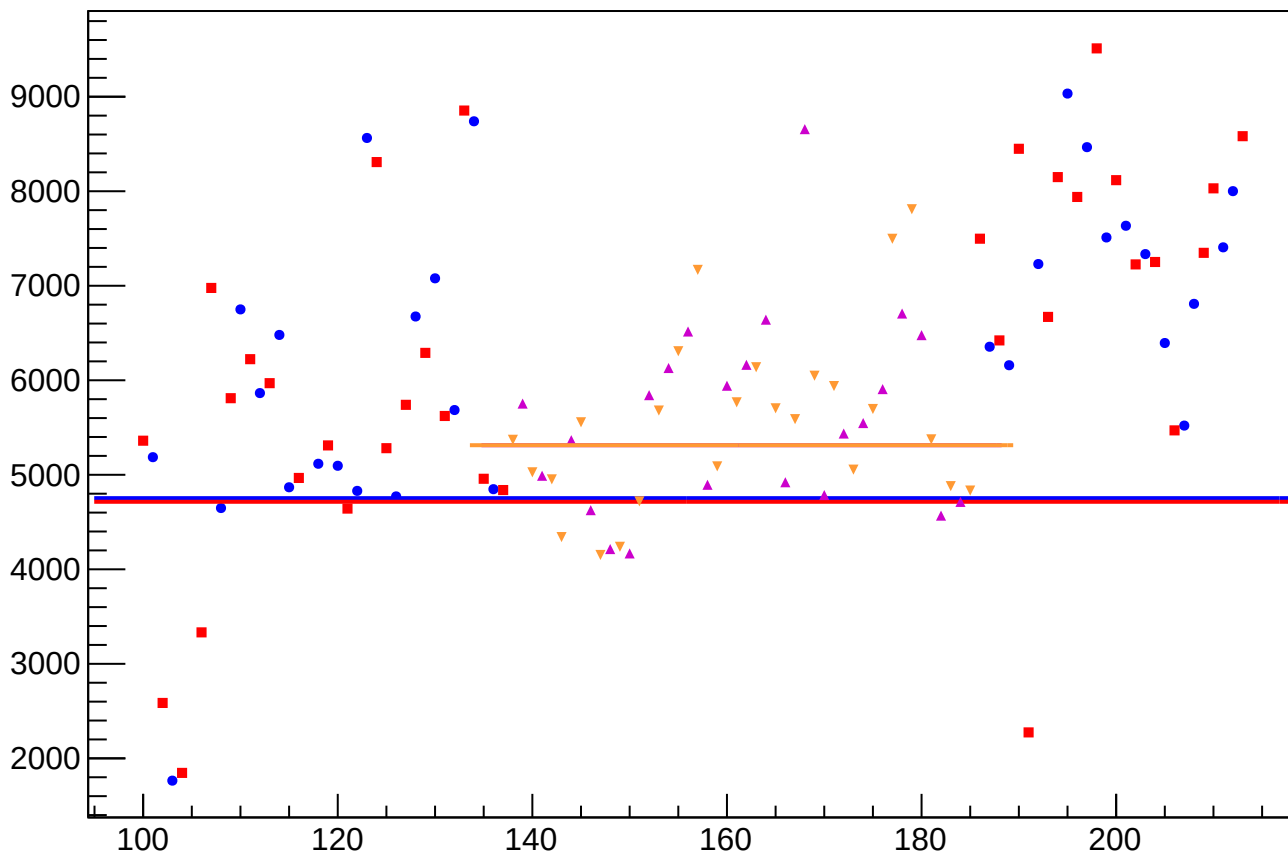
Left In: -2860.252+/-1292.328 χ^2/NDF :12.9/22

+ sign 1113.243+/-913.543 χ^2/NDF : 59.1/54

All: -1091.001+/-645.486 χ^2/NDF : 114.6/111

- sign -3288.615+/-912.168 χ^2/NDF : 43.9/56

asym_atl1r2_avg_rms vs Slug



Right In: 4752.857 $\pm$ 0.939 χ^2 /NDF: 5942014.8/29

Left Out: 5313.008 $\pm$ 0.890 χ^2 /NDF: 894369.8/24

Right Out: 4714.573 $\pm$ 0.907 χ^2 /NDF: 6637021.9/33

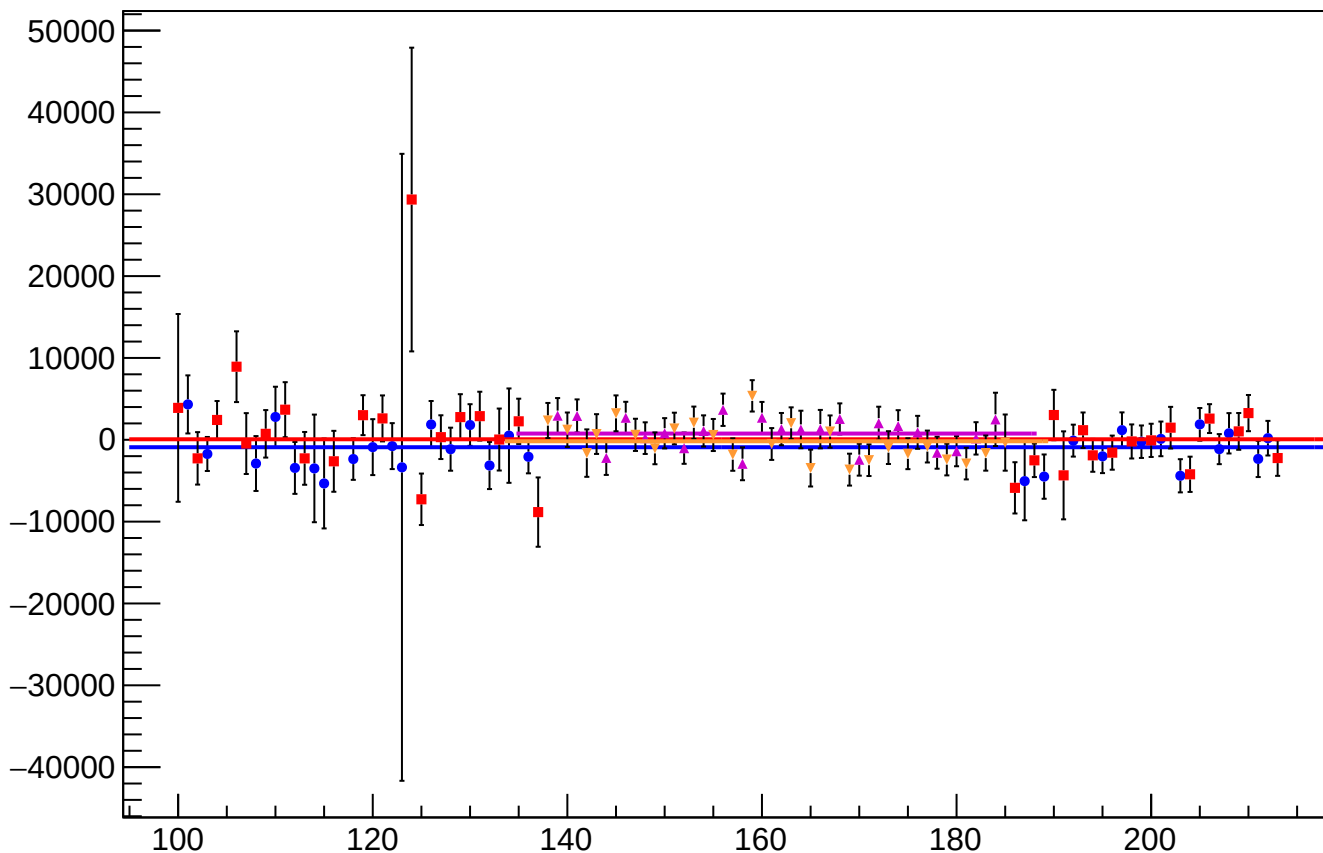
Left In: 5312.861 $\pm$ 0.914 χ^2 /NDF: 957400.7/22

+ sign 5048.123 $\pm$ 0.646 χ^2 /NDF: 7023816.4/54

All: 5029.672 $\pm$ 0.456 χ^2 /NDF: 14835882.6/100

- sign 5011.356 $\pm$ 0.644 χ^2 /NDF: 7810440.5/56

reg_asym_atl1r2_dd_mean vs Slug



Right In: -909.184 ± 468.025 χ^2/NDF : 18.9/29

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: 62.216 ± 457.462 χ^2/NDF : 43.6/33

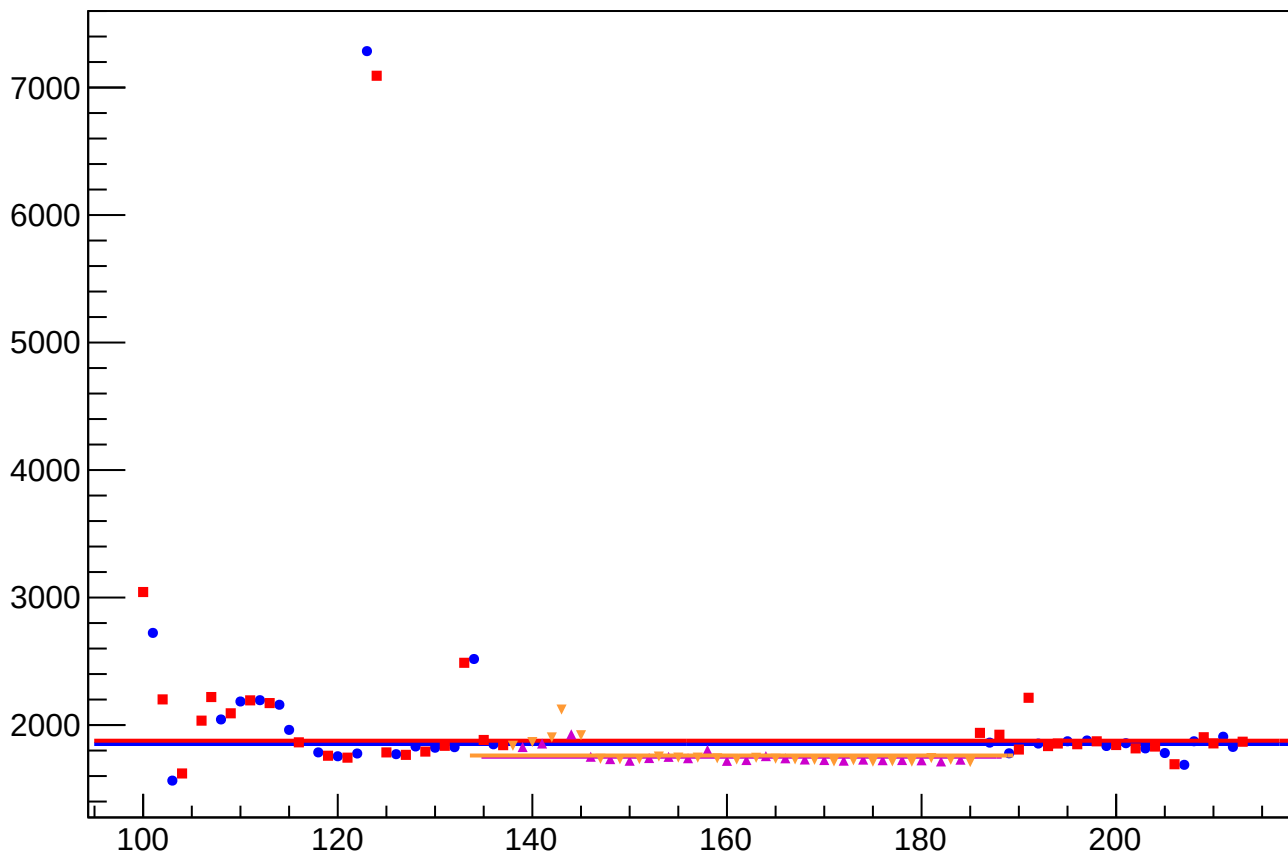
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -497.348 ± 308.815 χ^2/NDF : 49.5/54

All: -29.083 ± 218.552 χ^2/NDF : 119.2/111

- sign 440.789 ± 309.344 χ^2/NDF : 65.1/56

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.324+/-0.331 χ^2/NDF : 306569.0/29

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1877.175+/-0.323 χ^2/NDF : 394860.7/33

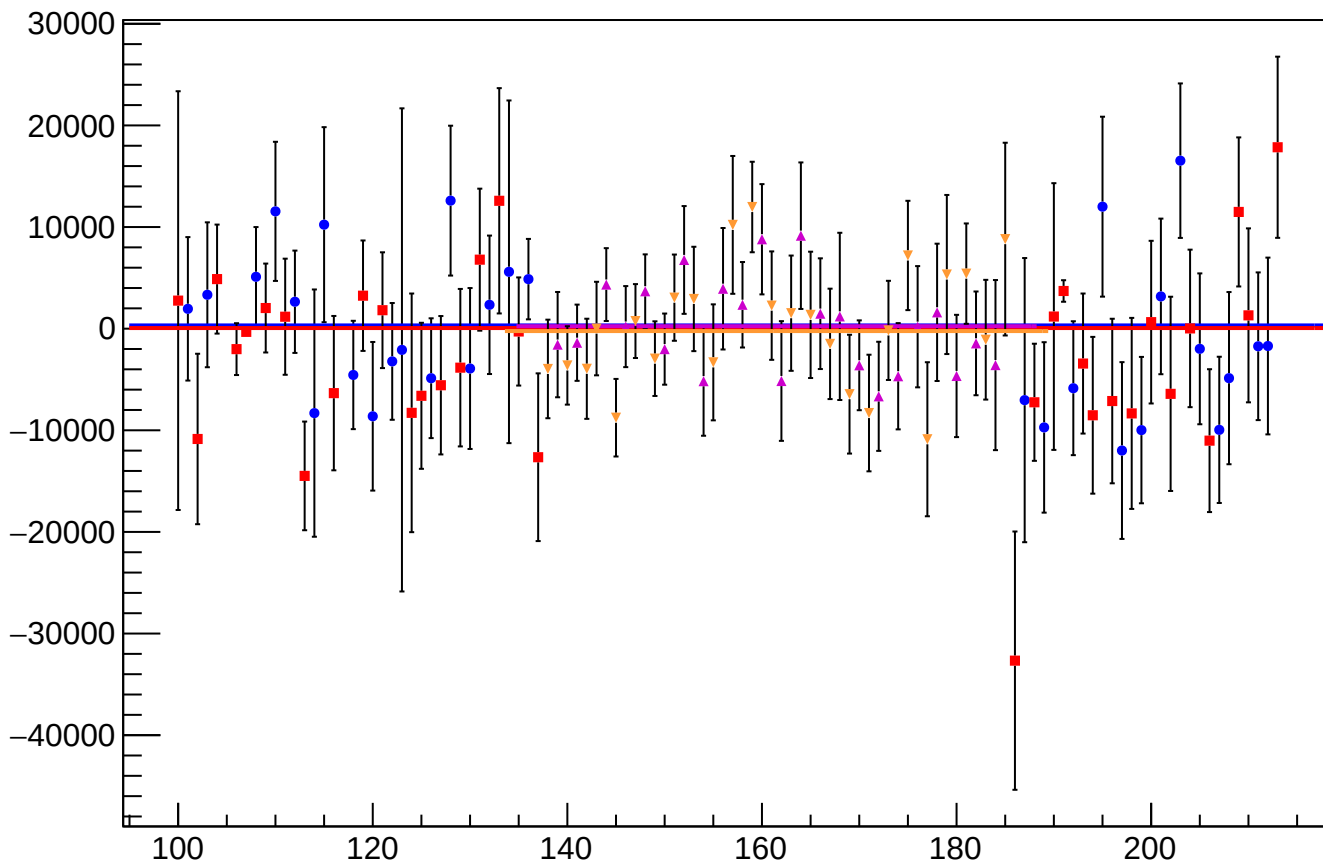
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1800.376+/-0.218 χ^2/NDF : 426012.8/54

All: 1804.662+/-0.155 χ^2/NDF : 932307.4/111

- sign 1808.961+/-0.219 χ^2/NDF : 505522.9/56

asym_atl1r2_dd_correction_mean vs Slug



Right In: 319.755 ± 1287.291 $\chi^2/\text{NDF}: 29.4/29$

Left Out: -235.806 ± 1005.144 $\chi^2/\text{NDF}: 28.9/24$

Right Out: 60.776 ± 409.550 $\chi^2/\text{NDF}: 52.0/33$

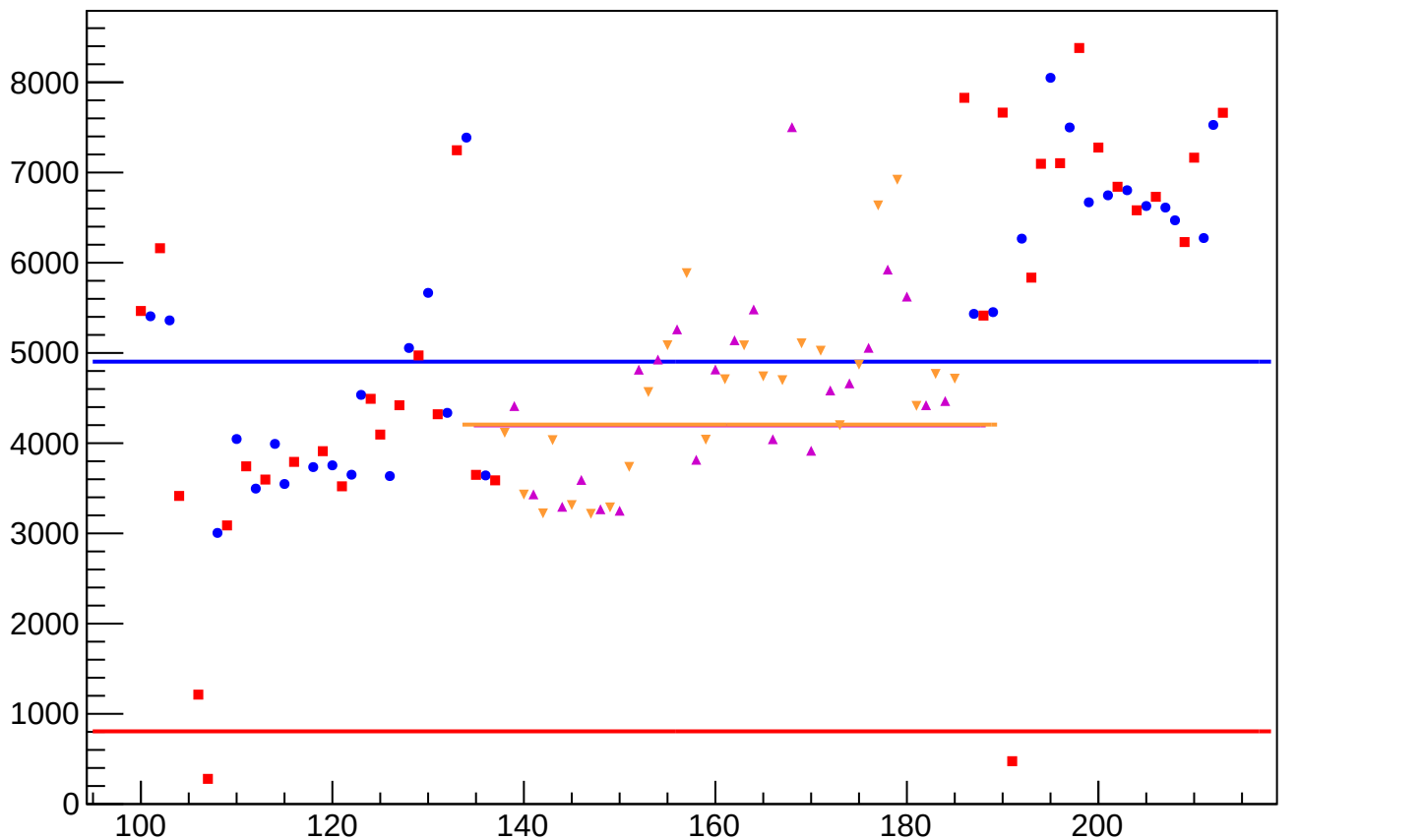
Left In: 239.224 ± 1028.883 $\chi^2/\text{NDF}: 15.3/22$

+ sign -25.382 ± 792.243 $\chi^2/\text{NDF}: 58.4/54$

All: 64.458 ± 343.001 $\chi^2/\text{NDF}: 125.8/111$

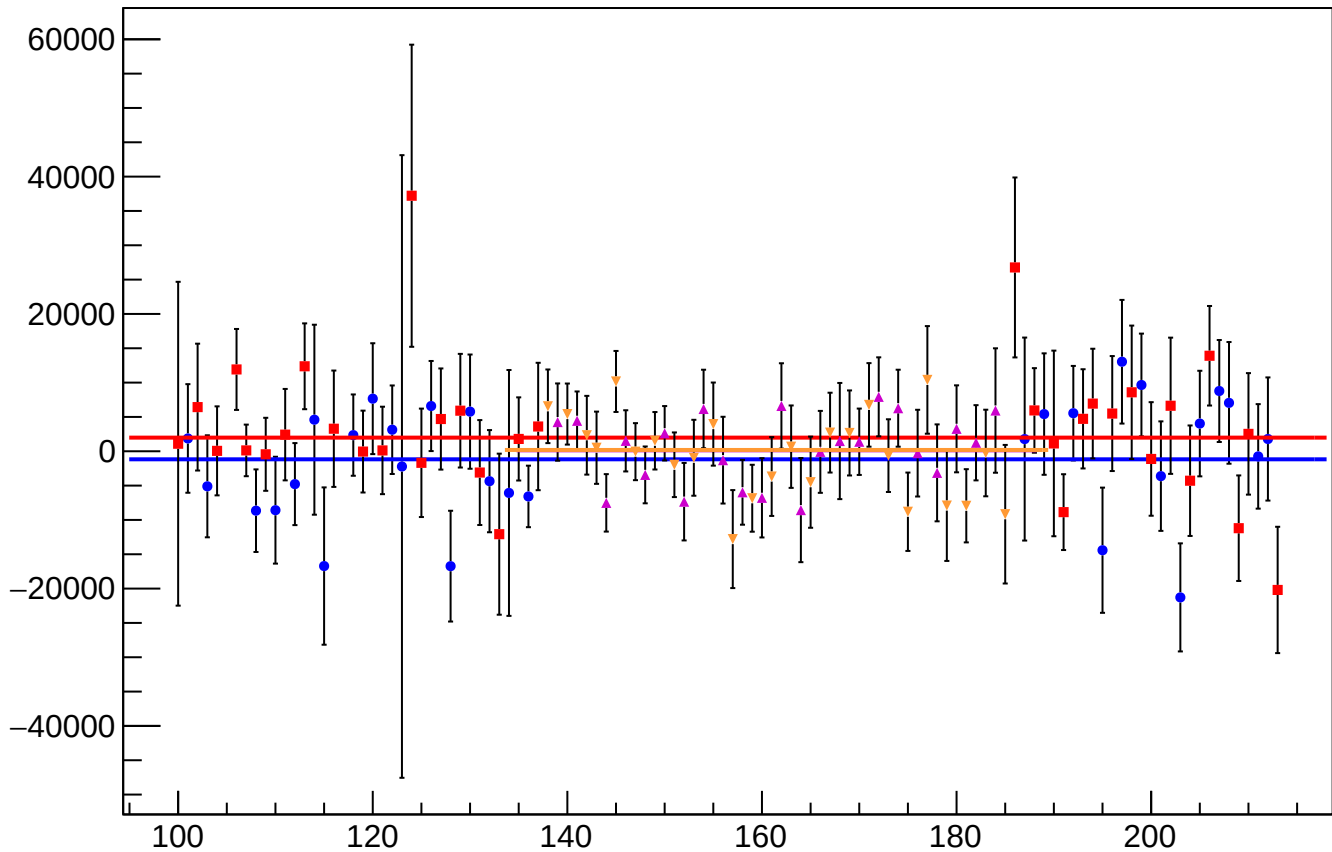
- sign 85.183 ± 380.513 $\chi^2/\text{NDF}: 67.4/56$

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4903.560+/-0.910	χ^2/NDF : 2602683.8/29	+ sign 4470.254+/-0.560	χ^2/NDF : 4409710.7/54
Left Out: 4206.076+/-0.711	χ^2/NDF : 1442269.3/24	All: 1869.741+/-0.243	χ^2/NDF : 77318291.1/1
Right Out: 805.996+/-0.290	χ^2/NDF : 26160935.1/33	- sign 1269.837+/-0.269	χ^2/NDF : 46388234.7/56
Left In: 4197.267+/-0.728	χ^2/NDF : 1471012.9/22		

asym_atl1r2_dd_mean vs Slug



Right In: -1172.093 ± 1411.863 χ^2/NDF : 32.9/29

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 1986.160 ± 1257.351 χ^2/NDF : 33.1/33

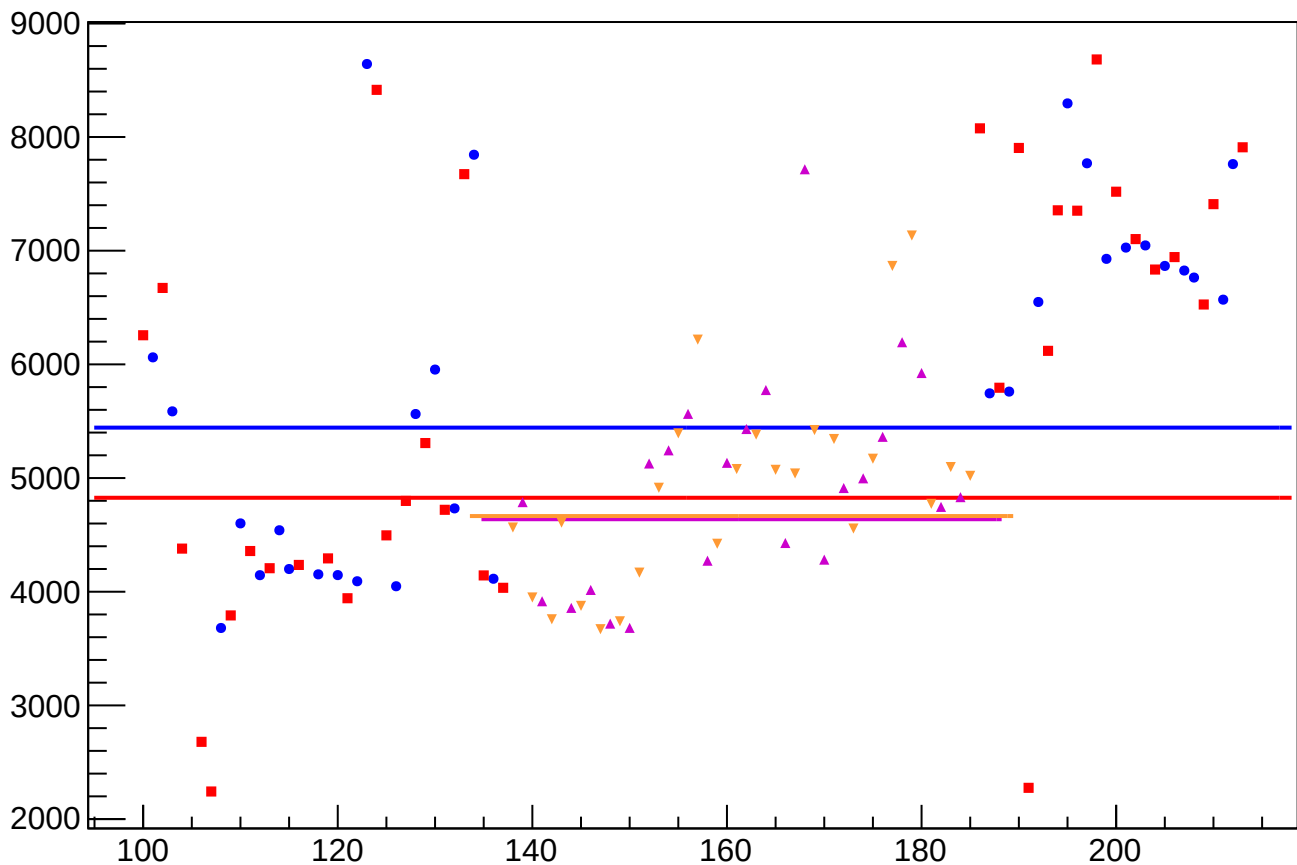
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -328.657 ± 871.077 χ^2/NDF : 58.4/54

All: 340.485 ± 604.776 χ^2/NDF : 112.5/111

- sign 963.204 ± 840.318 χ^2/NDF : 52.9/56

asym_atl1r2_dd_rms vs Slug



Right In: 5443.582+/-0.998 χ^2 /NDF: 1892046.2/29

Left Out: 4665.620+/-0.783 χ^2 /NDF:1017235.0/24

Right Out: 4826.521+/-0.885 χ^2 /NDF: 4316723.2/33

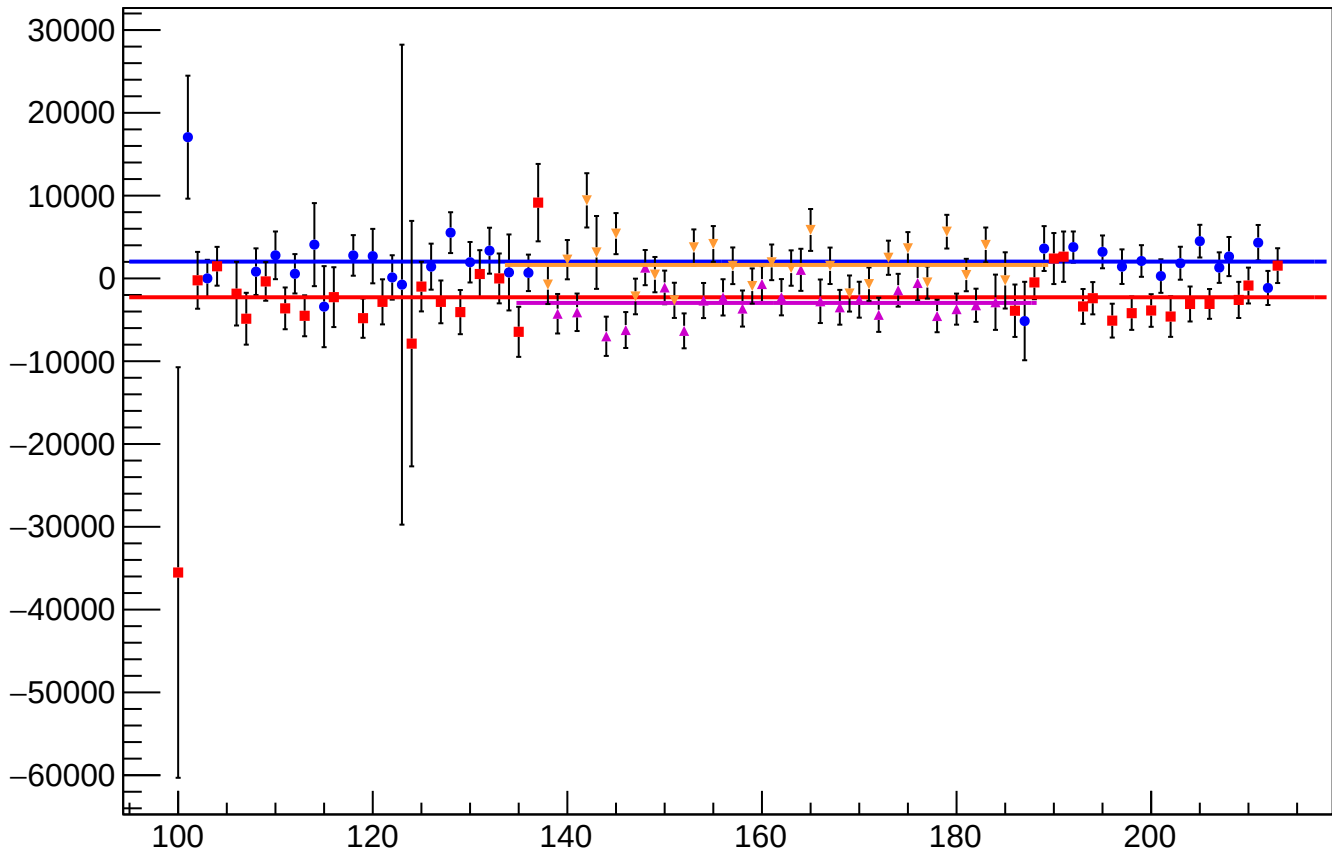
Left In: 4637.777+/-0.799 χ^2 /NDF:1065217.2/22

+ sign 4961.753+/-0.616 χ^2 /NDF: 3285375.7/54

All: 4837.590+/-0.427 χ^2 /NDF: 8770679.8/11

- sign 4722.463+/-0.593 χ^2 /NDF: 5406991.2/56

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2031.143 $\pm$ 453.340 χ^2 /NDF: 20.4/29

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -2276.525 $\pm$ 435.968 χ^2 /NDF: 33.3/33

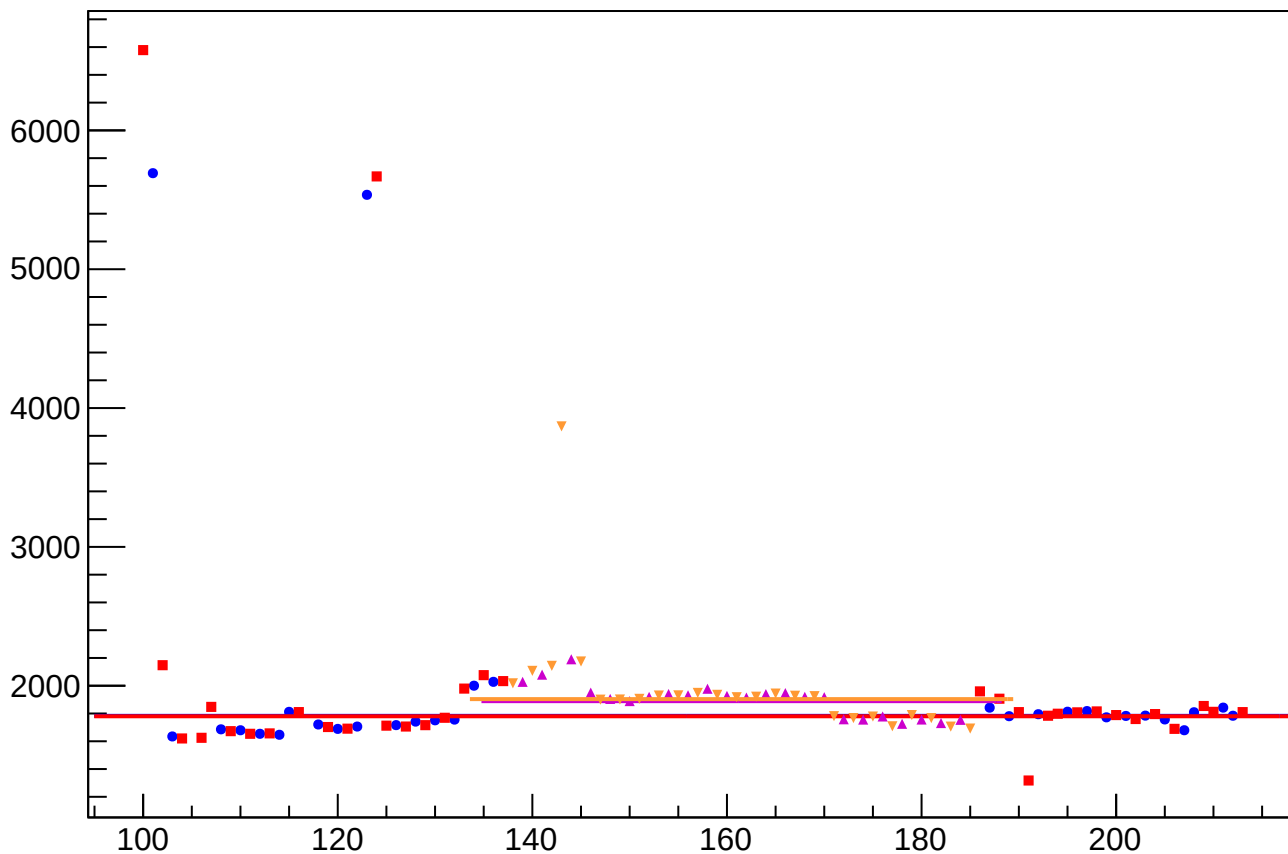
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1827.793 $\pm$ 318.318 χ^2 /NDF: 56.2/54

All: -415.864 $\pm$ 223.670 χ^2 /NDF: 209.2/111

- sign -2603.992 $\pm$ 314.354 χ^2 /NDF: 54.9/56

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1783.077 $\pm$ 0.321 χ^2 /NDF: 654507.7/29

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1779.999 $\pm$ 0.307 χ^2 /NDF: 377059.5/33

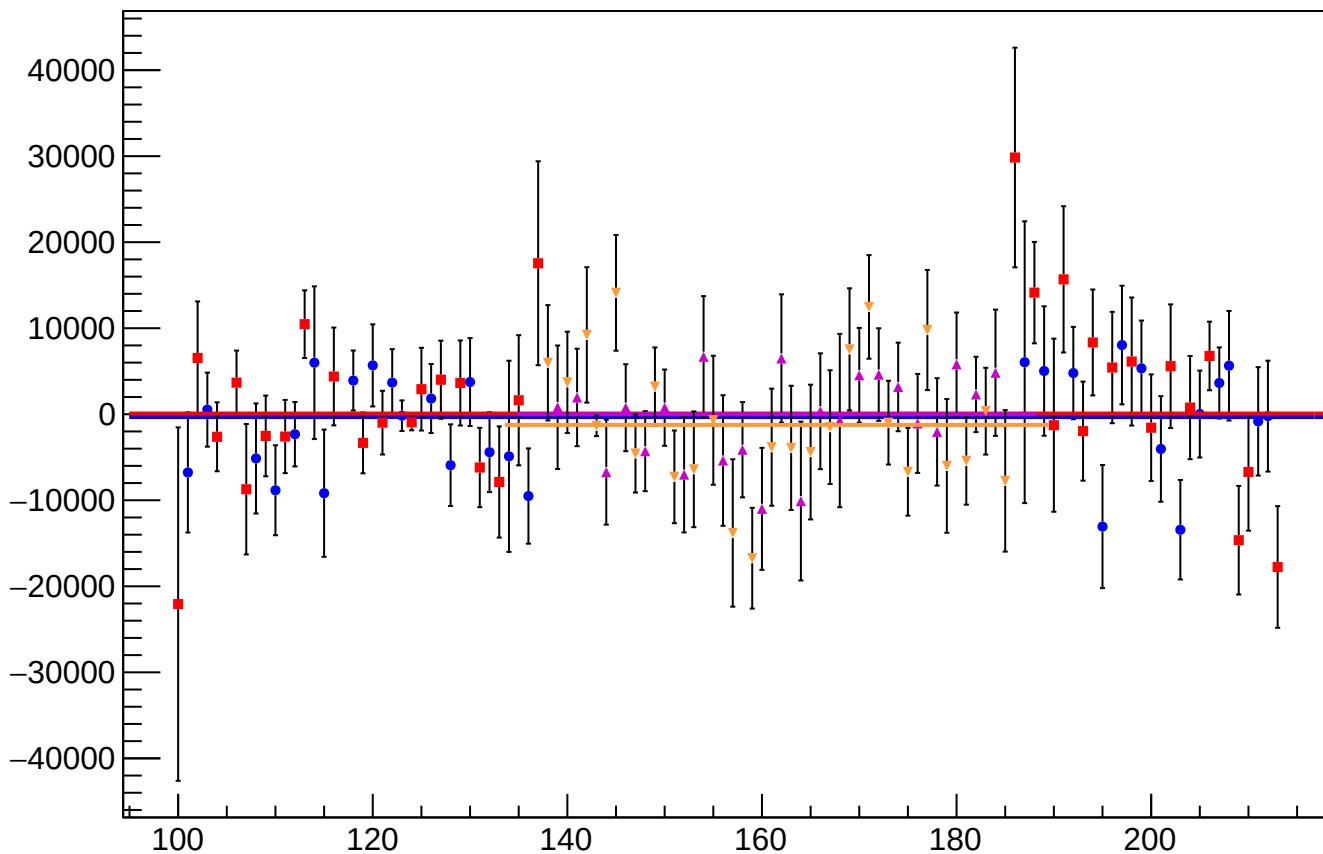
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1844.188 $\pm$ 0.225 χ^2 /NDF: 1267769.5/54

All: 1838.081 $\pm$ 0.158 χ^2 /NDF: 1832800.1/11

- sign 1832.142 $\pm$ 0.222 χ^2 /NDF: 563578.4/56

asym_atr1l2_avg_correction_mean vs Slug



Right In: -322.998 ± 865.248 χ^2/NDF : 31.0/29

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: 81.532 ± 665.517 χ^2/NDF : 56.6/33

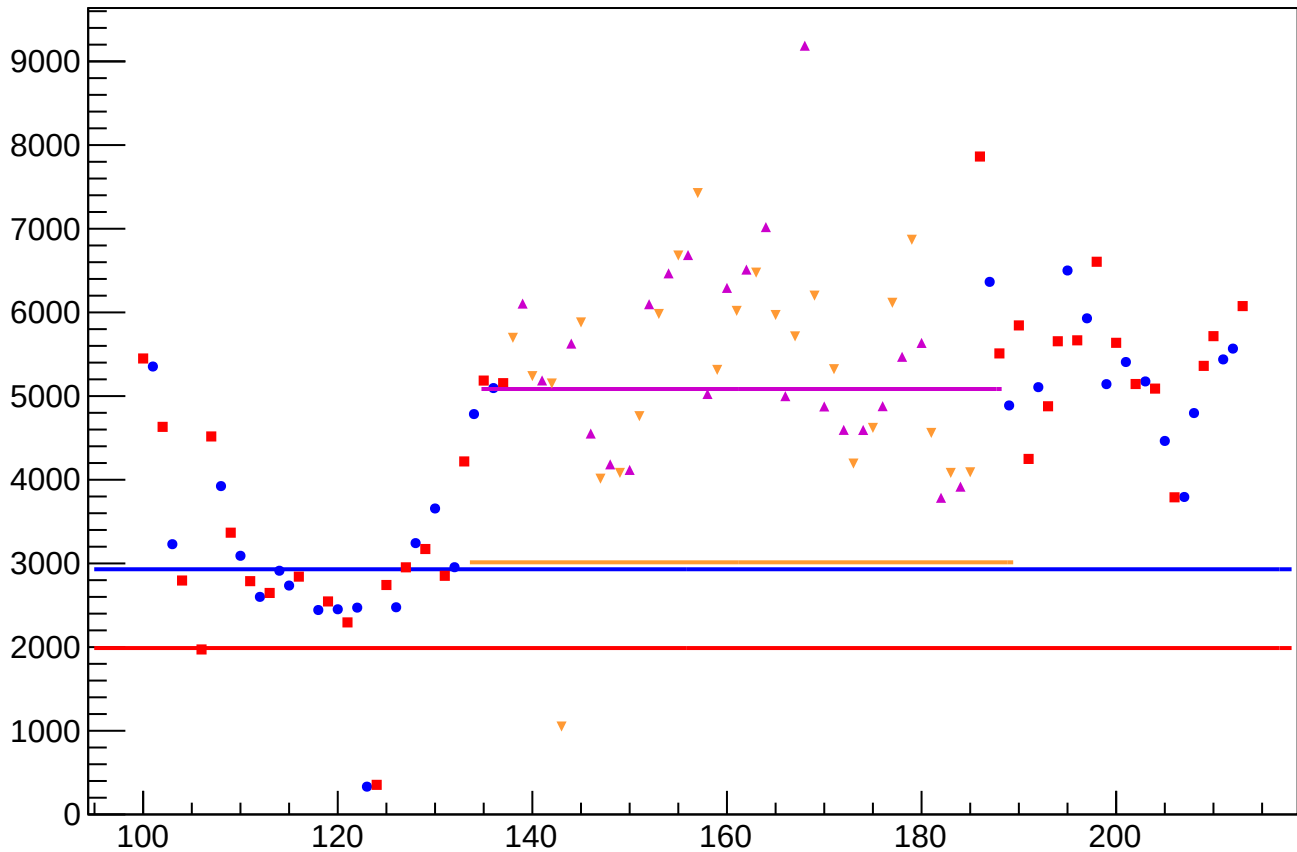
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -781.440 ± 611.806 χ^2/NDF : 65.5/54

All: -339.537 ± 423.475 χ^2/NDF : 136.3/111

- sign 66.907 ± 586.747 χ^2/NDF : 69.8/56

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2930.329+/-0.612 χ^2/NDF : 8578920.8/29

Left Out: 3013.268+/-0.612 χ^2/NDF : 12270753.9/24

Right Out: 1988.704+/-0.471 χ^2/NDF : 16325720.6/33

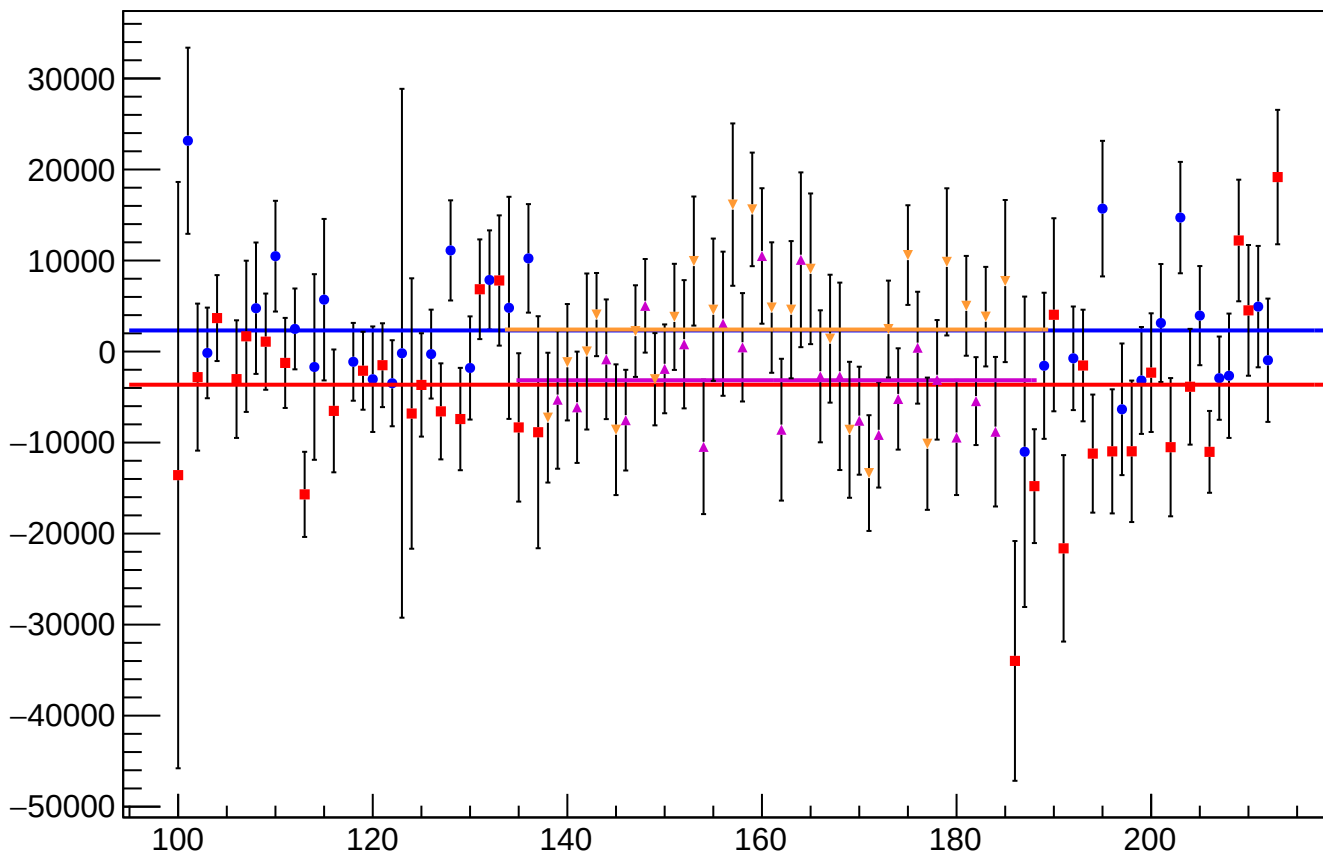
Left In: 5084.645+/-0.879 χ^2/NDF : 1303587.7/22

+ sign 2971.801+/-0.433 χ^2/NDF : 20858863.6/54

All: 2818.863+/-0.299 χ^2/NDF : 48367164.3/100

- sign 2678.198+/-0.415 χ^2/NDF : 27268375.1/56

asym_atr1l2_avg_mean vs Slug



Right In: 2318.048 $\pm$ 1126.527 χ^2 /NDF: 29.0/29

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -3643.585 $\pm$ 1093.497 χ^2 /NDF: 54.3/33

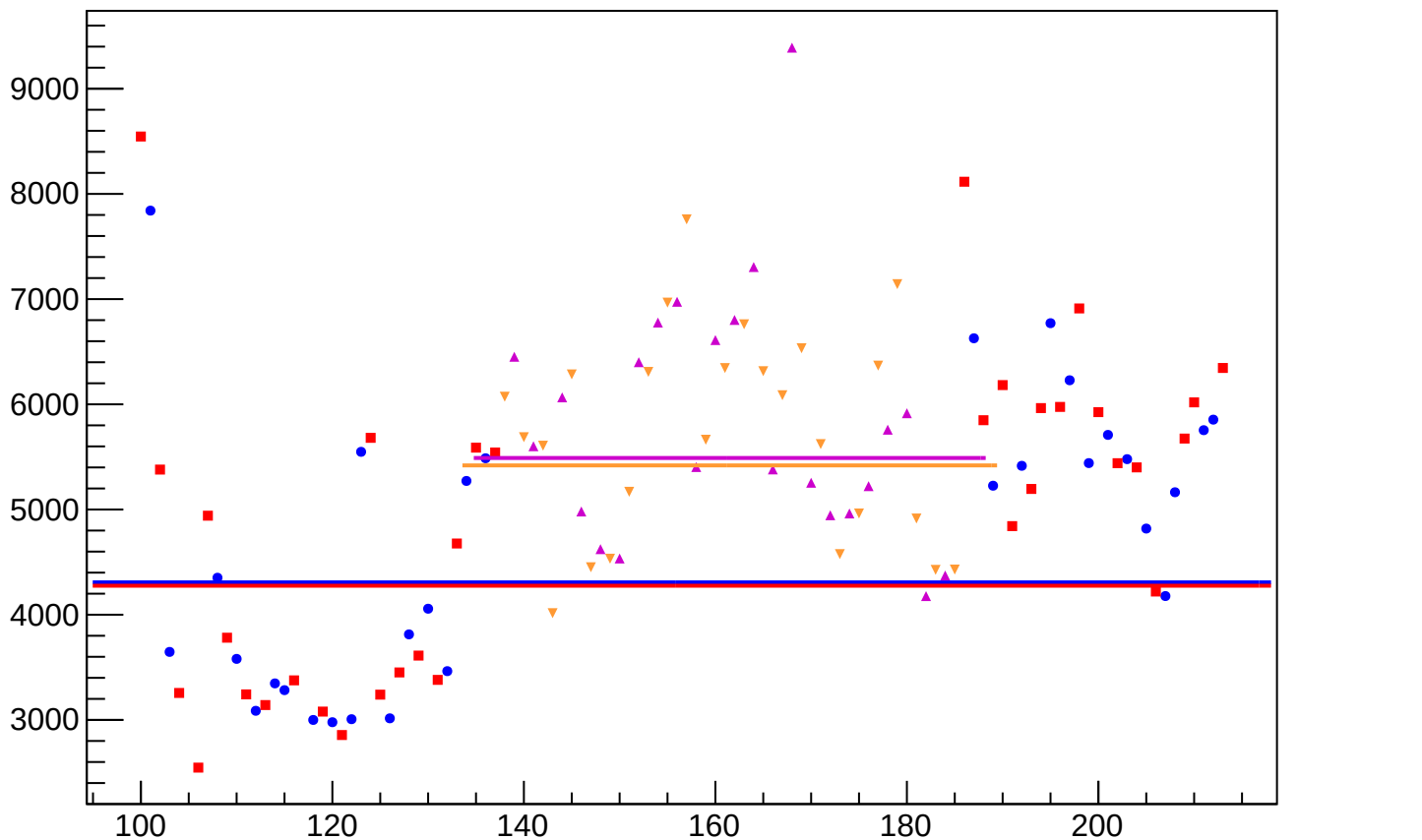
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2361.084 $\pm$ 847.519 χ^2 /NDF: 58.8/54

All: -546.402 $\pm$ 598.941 χ^2 /NDF: 152.2/111

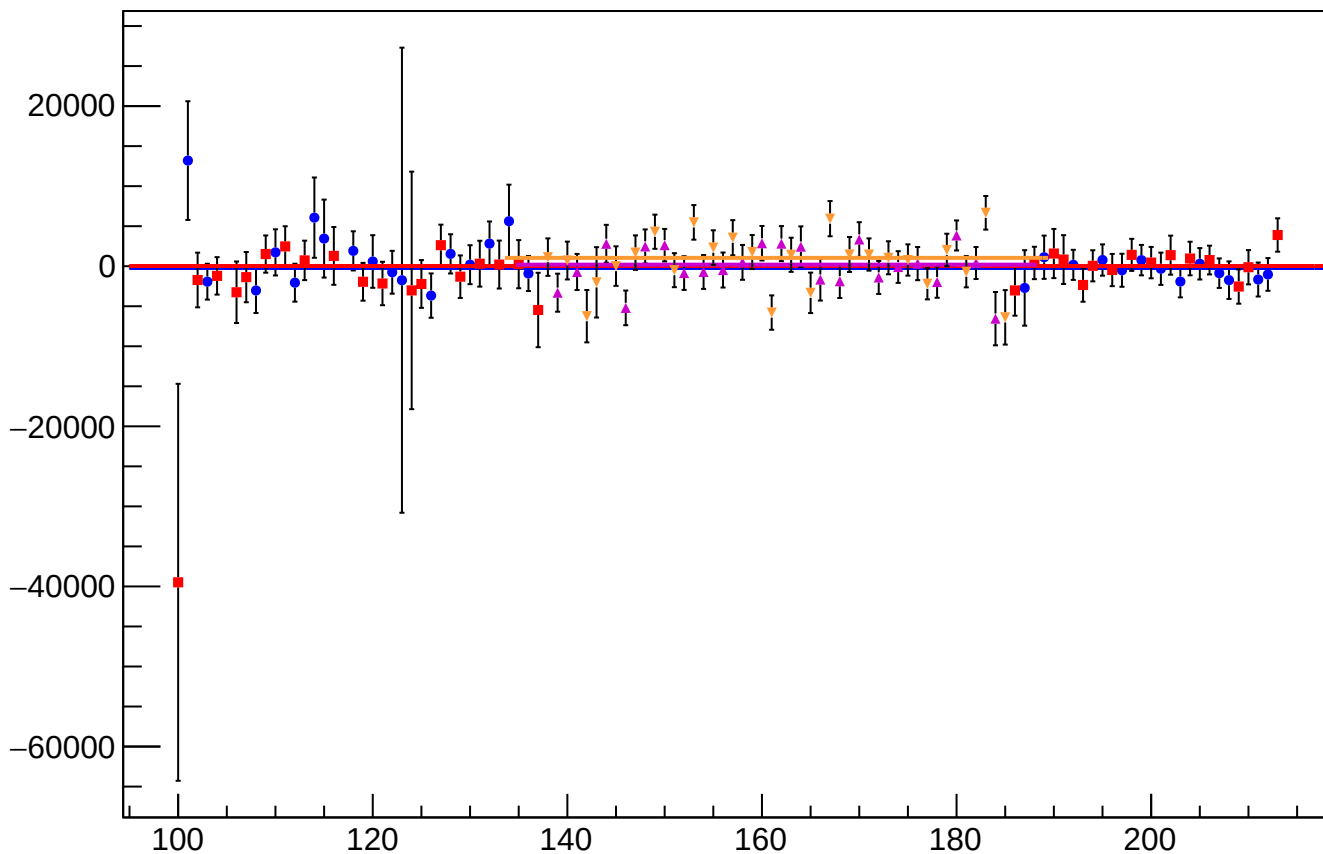
- sign -3447.200 $\pm$ 846.544 χ^2 /NDF: 69.9/56

asym_atr1l2_avg_rms vs Slug



Right In: 4307.577+/-0.797	χ^2/NDF : 2234300.8/29	+ sign 4790.066+/-0.599	χ^2/NDF : 4189623.3/54
Left Out: 5419.305+/-0.910	χ^2/NDF : 1109972.1/24	All: 4773.439+/-0.422	χ^2/NDF : 9061141.1/11
Right Out: 4275.676+/-0.766	χ^2/NDF : 2810606.5/33	- sign 4757.026+/-0.595	χ^2/NDF : 4869988.2/56
Left In: 5489.885+/-0.946	χ^2/NDF : 1064353.3/22		

reg_asym_atr1l2_dd_mean vs Slug



Right In: -218.978 ± 450.967 χ^2/NDF : 17.0/29

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: 25.219 ± 433.627 χ^2/NDF : 18.9/33

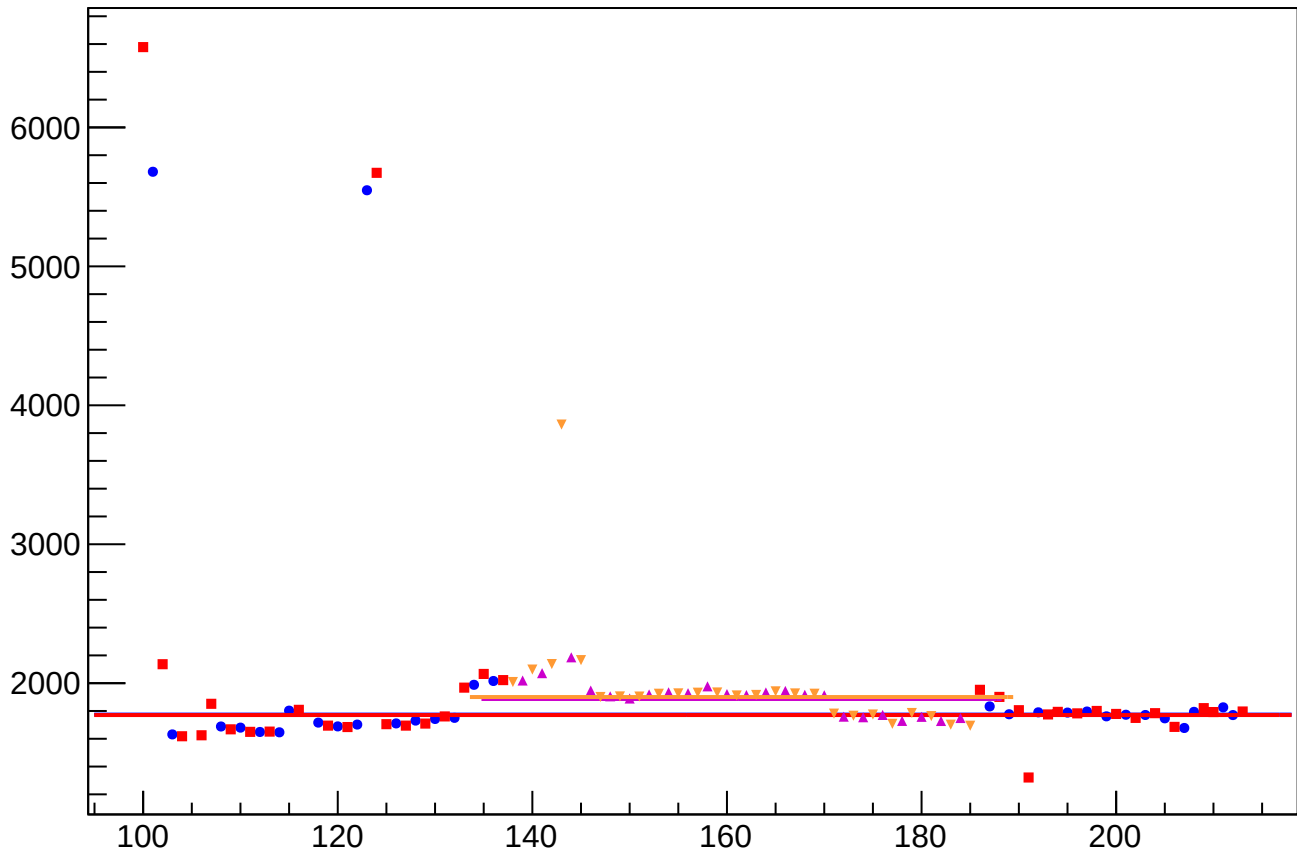
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 417.769 ± 317.201 χ^2/NDF : 69.6/54

All: 259.401 ± 222.890 χ^2/NDF : 119.1/111

- sign 104.941 ± 313.264 χ^2/NDF : 49.0/56

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1773.888 $\pm$ 0.319 χ^2 /NDF: 651135.0/29

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1770.716 $\pm$ 0.306 χ^2 /NDF: 371578.5/33

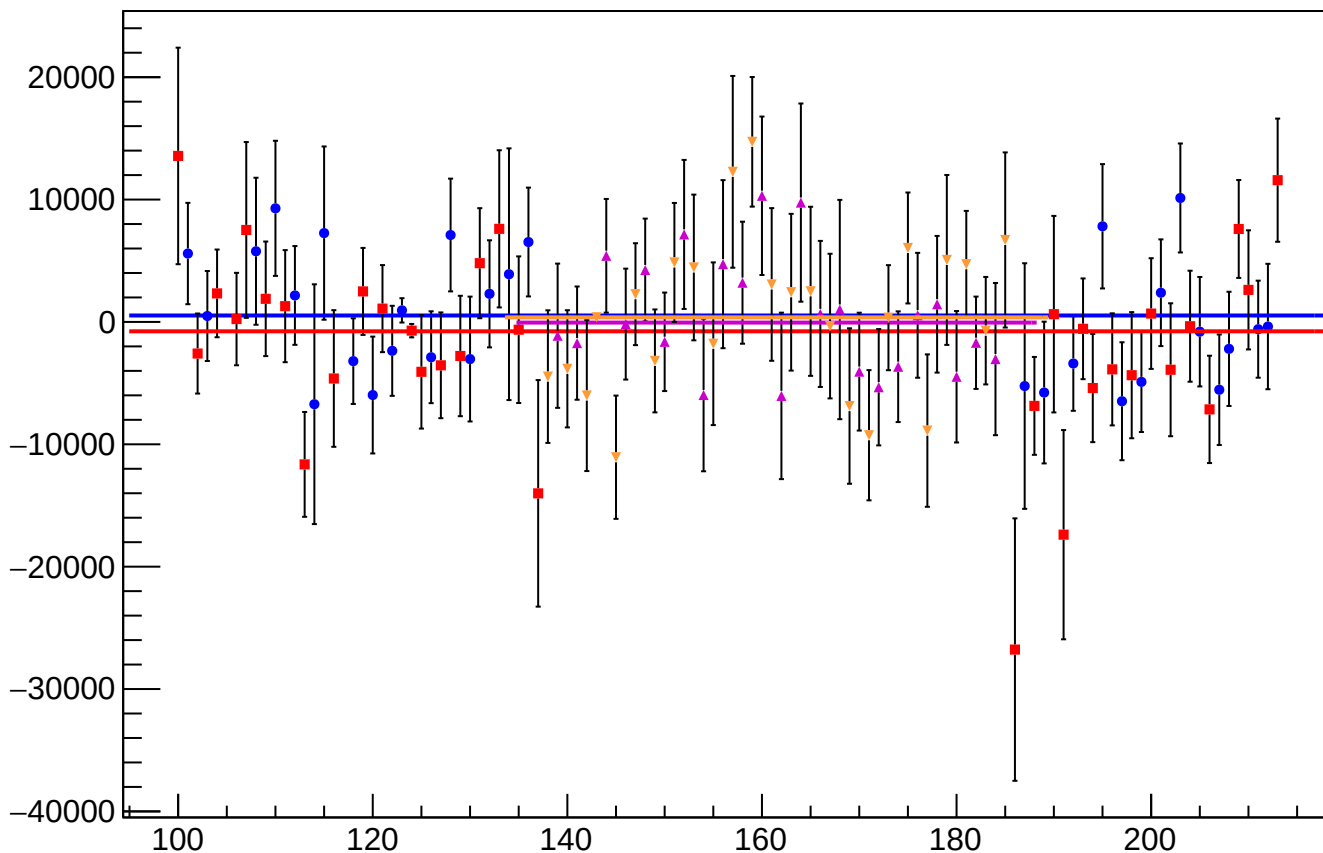
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1837.756 $\pm$ 0.224 χ^2 /NDF: 1268423.1/54

All: 1831.722 $\pm$ 0.157 χ^2 /NDF: 1833159.1/11

- sign 1825.854 $\pm$ 0.221 χ^2 /NDF: 563308.5/56

asym_atr1l2_dd_correction_mean vs Slug



Right In: 526.460 $\pm$ 650.967 χ^2 /NDF: 31.3/29

Left Out: 373.277 $\pm$ 382.071 χ^2 /NDF:30.8/24

Right Out: -766.507 $\pm$ 455.587 χ^2 /NDF: 47.5/33

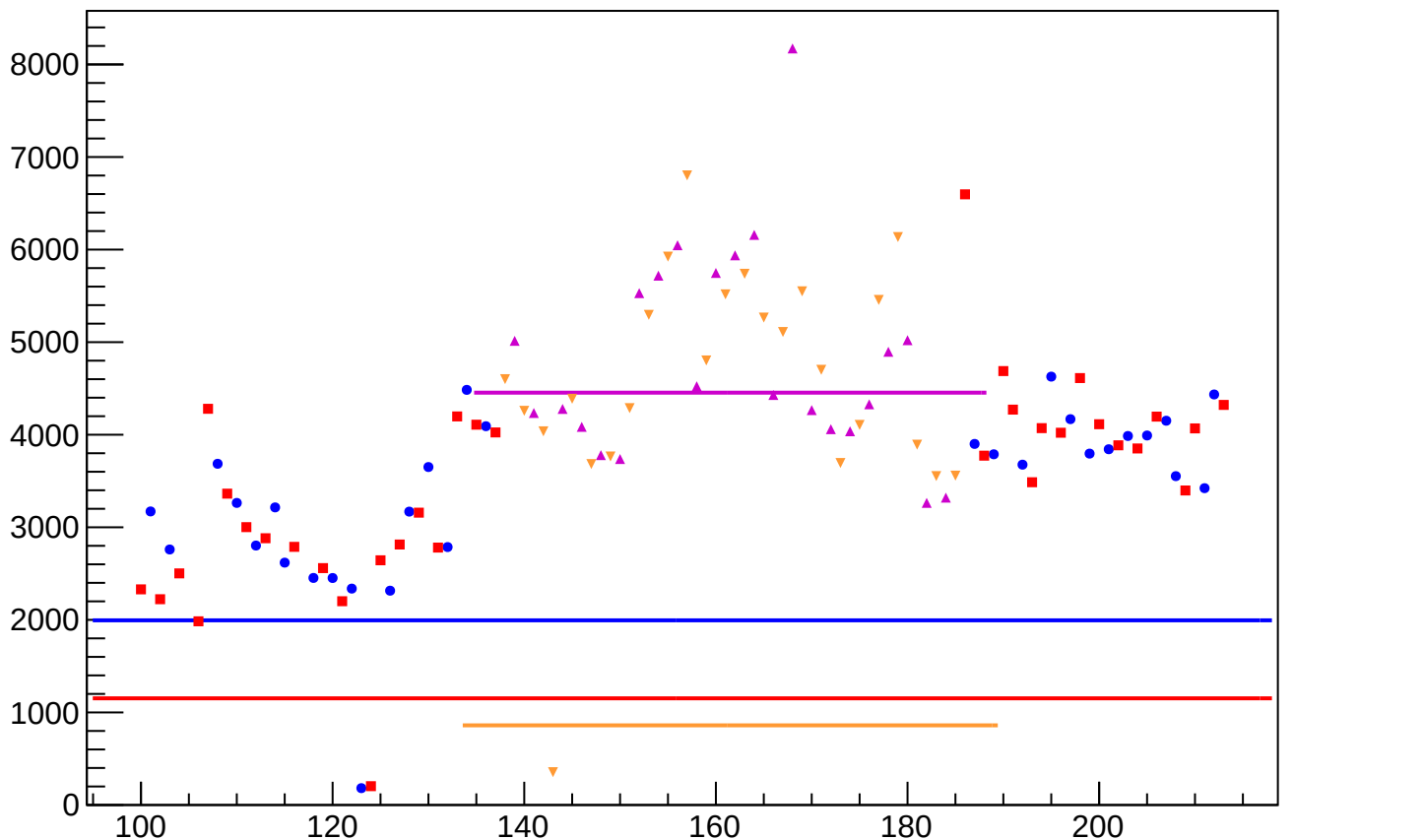
Left In: -53.099 $\pm$ 1089.888 χ^2 /NDF:14.5/22

+ sign 412.526 $\pm$ 329.508 χ^2 /NDF: 62.1/54

All: 4.154 $\pm$ 259.326 χ^2 /NDF: 128.6/111

- sign -660.392 $\pm$ 420.341 χ^2 /NDF: 62.4/56

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1994.966 $\pm$ 0.460 χ^2 /NDF: 12848917.3/29

Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24

Right Out: 1152.379 $\pm$ 0.322 χ^2 /NDF: 21394274.4/33

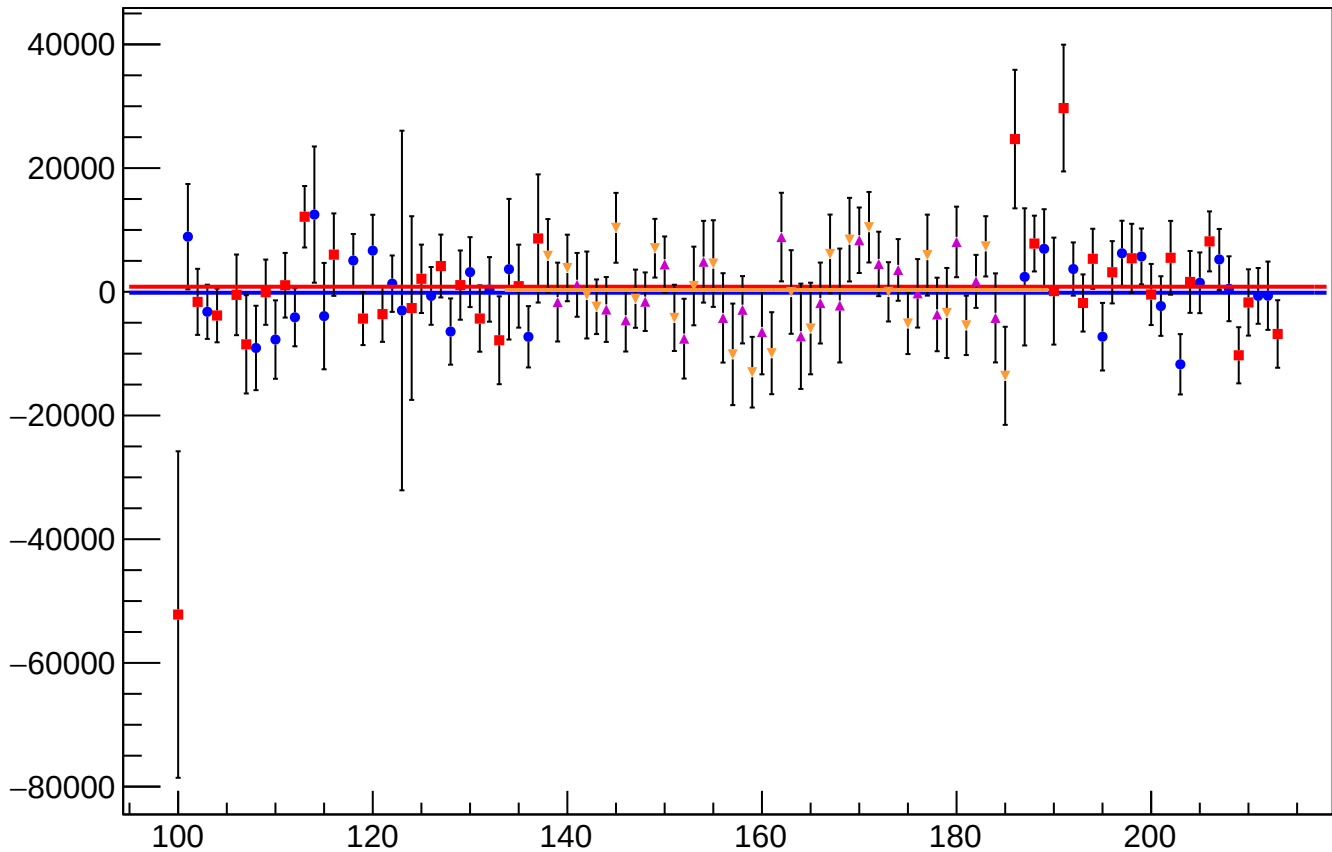
Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 1151.207 $\pm$ 0.233 χ^2 /NDF: 43706579.5/54

All: 1338.596 $\pm$ 0.183 χ^2 /NDF: 83777410.6/1

- sign 1643.535 $\pm$ 0.297 χ^2 /NDF: 38371438.1/56

asym_atr1l2_dd_mean vs Slug



Right In: -147.854 ± 999.378 χ^2/NDF : 28.0/29

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 821.753 ± 965.897 χ^2/NDF : 46.7/33

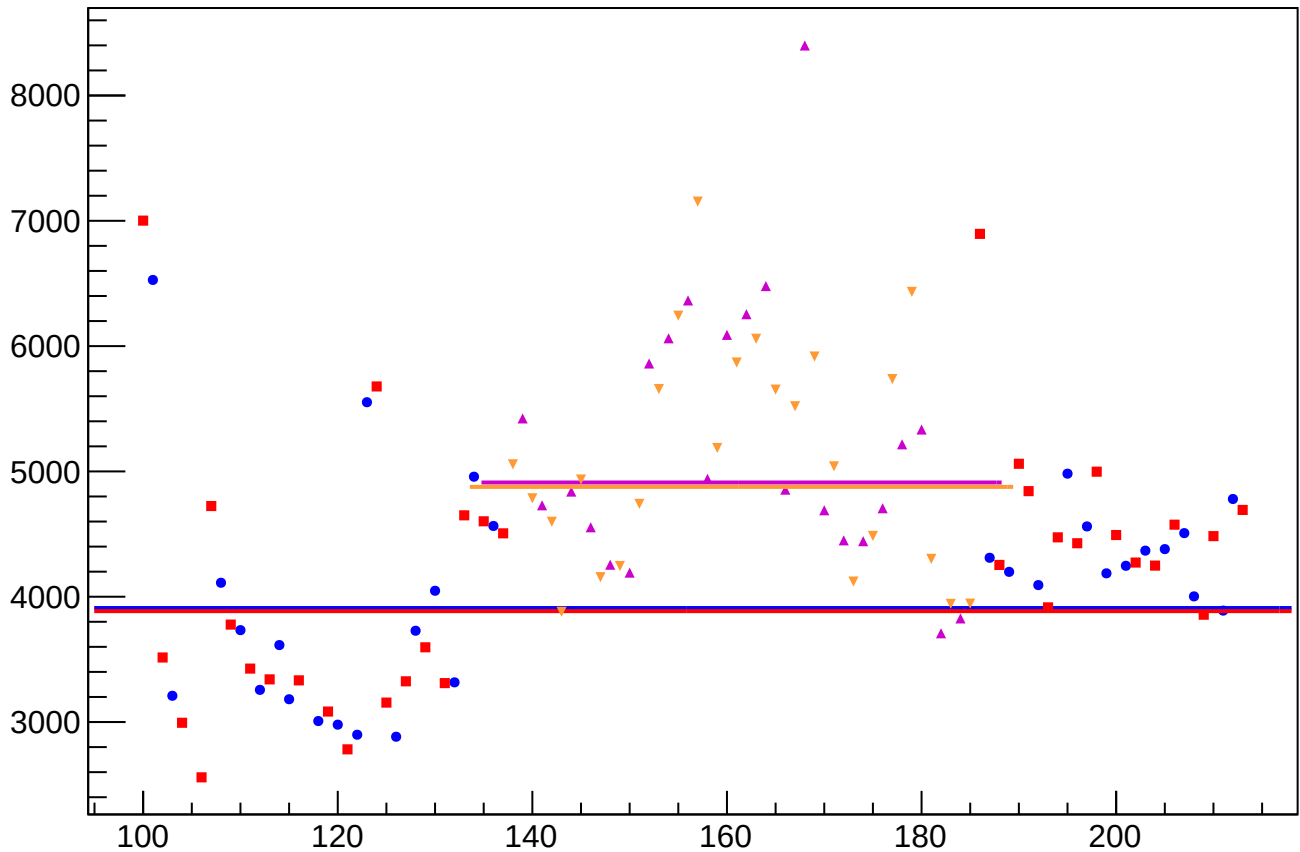
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign 38.893 ± 755.861 χ^2/NDF : 60.5/54

All: 335.481 ± 532.907 χ^2/NDF : 122.2/111

- sign 628.614 ± 751.445 χ^2/NDF : 61.4/56

asym_atr1l2_dd_rms vs Slug



Right In: 3909.674+/-0.707 χ^2/NDF : 971812.7/29

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3885.003+/-0.678 χ^2/NDF : 1196926.8/33

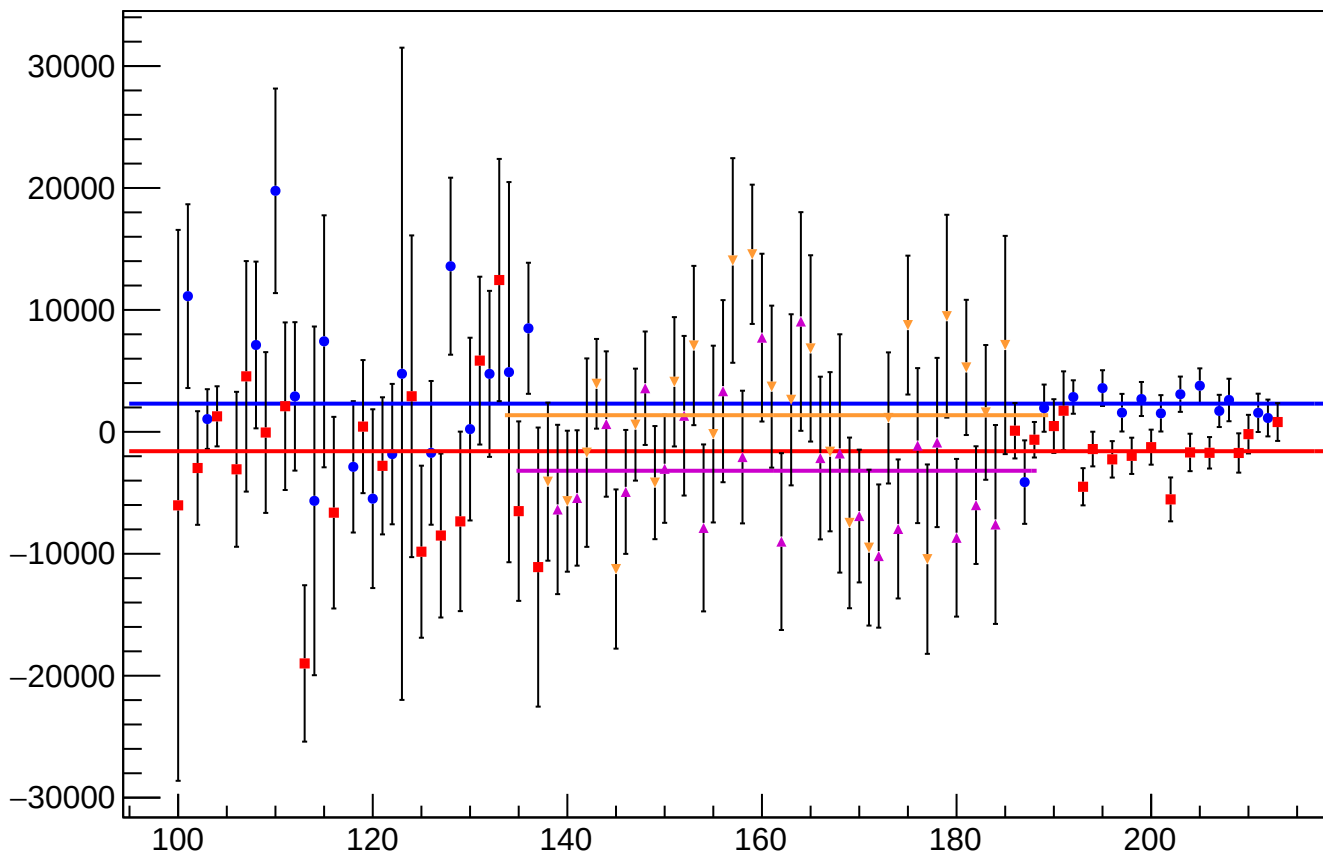
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4323.465+/-0.534 χ^2/NDF : 2745521.4/54

All: 4304.970+/-0.376 χ^2/NDF : 5884606.8/11

- sign 4286.844+/-0.529 χ^2/NDF : 3136714.4/56

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2313.221 $\pm$ 411.040 χ^2 /NDF: 21.5/29

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1587.829 $\pm$ 397.373 χ^2 /NDF: 32.6/33

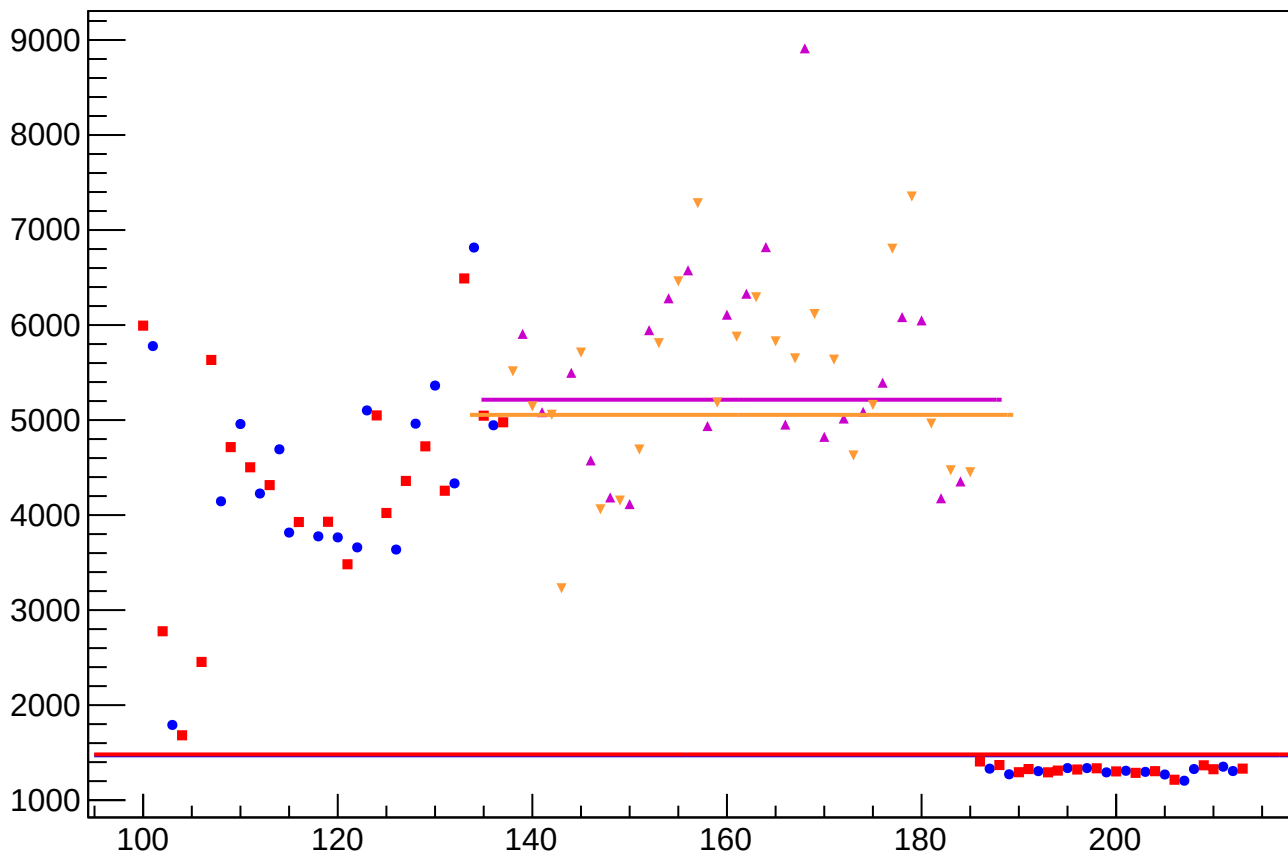
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 2214.583 $\pm$ 389.072 χ^2 /NDF: 50.0/54

All: 191.428 $\pm$ 271.574 χ^2 /NDF: 150.8/111

- sign -1730.796 $\pm$ 379.243 χ^2 /NDF: 48.0/56

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1471.816 ± 0.291 $\chi^2/\text{NDF}: 5879430.8/29$

Left Out: 5054.711 ± 0.853 $\chi^2/\text{NDF}: 1437224.7/24$

Right Out: 1480.836 ± 0.281 $\chi^2/\text{NDF}: 5805005.2/33$

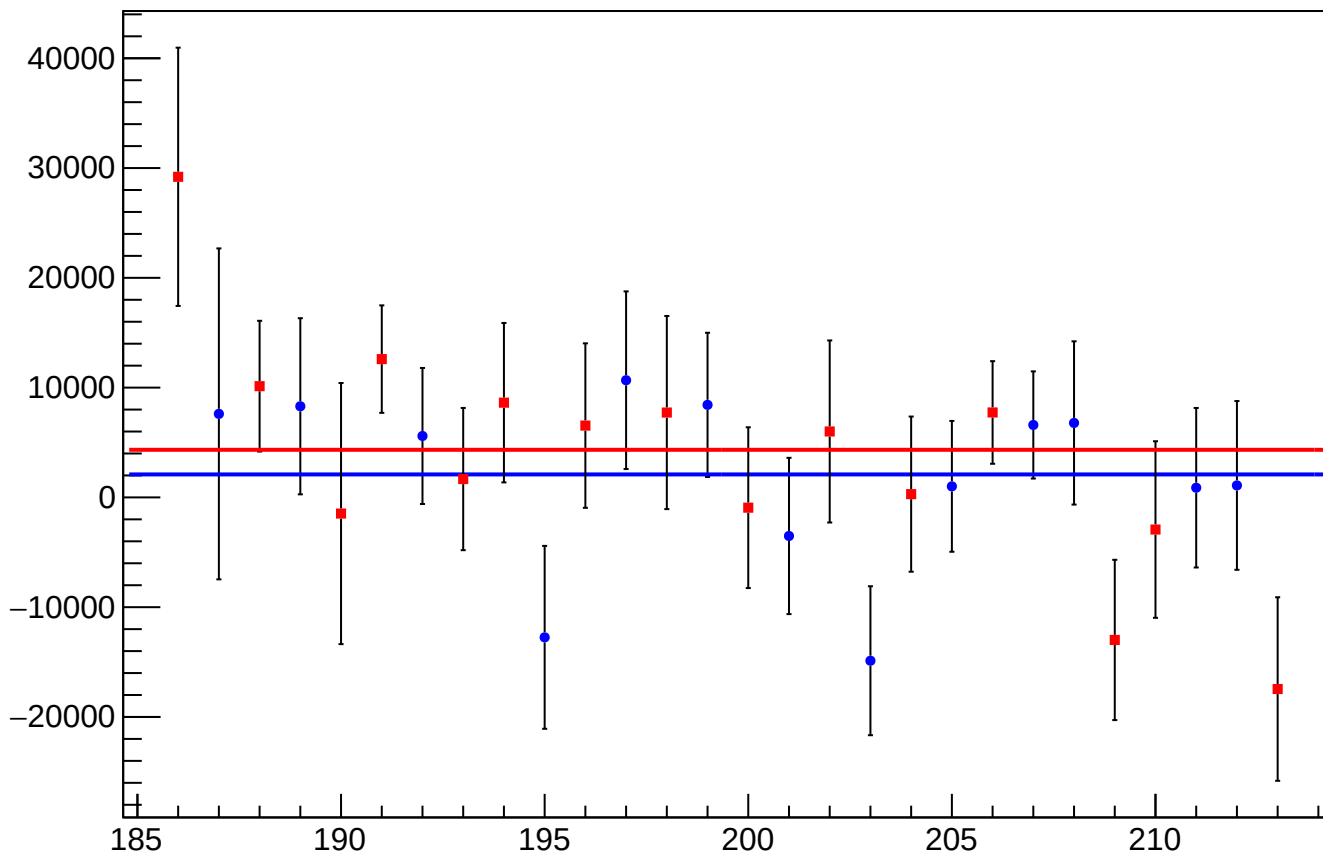
Left In: 5214.120 ± 0.898 $\chi^2/\text{NDF}: 1052501.5/22$

+ sign 1844.555 ± 0.275 $\chi^2/\text{NDF}: 23125600.8/54$

All: 1828.498 ± 0.192 $\chi^2/\text{NDF}: 45732744.3/100$

- sign 1813.263 ± 0.268 $\chi^2/\text{NDF}: 22600504.8/56$

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 2092.556+/-1944.734 χ^2/NDF : 14.5/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

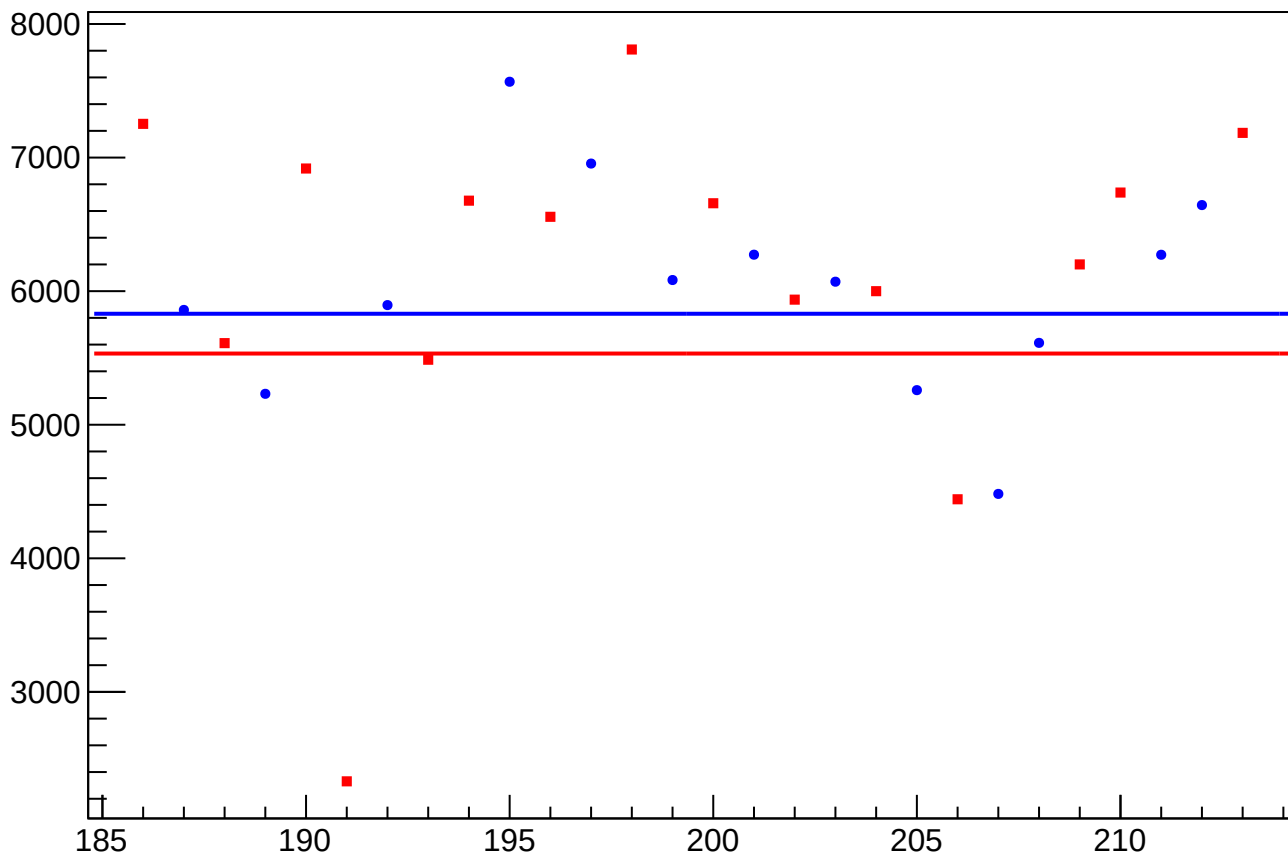
Right Out: 4335.197+/-1809.645 χ^2/NDF : 23.9/14

All: 3294.466+/-1324.798 χ^2/NDF : 39.1/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5830.788+/-1.375 χ^2/NDF : 352789.6/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

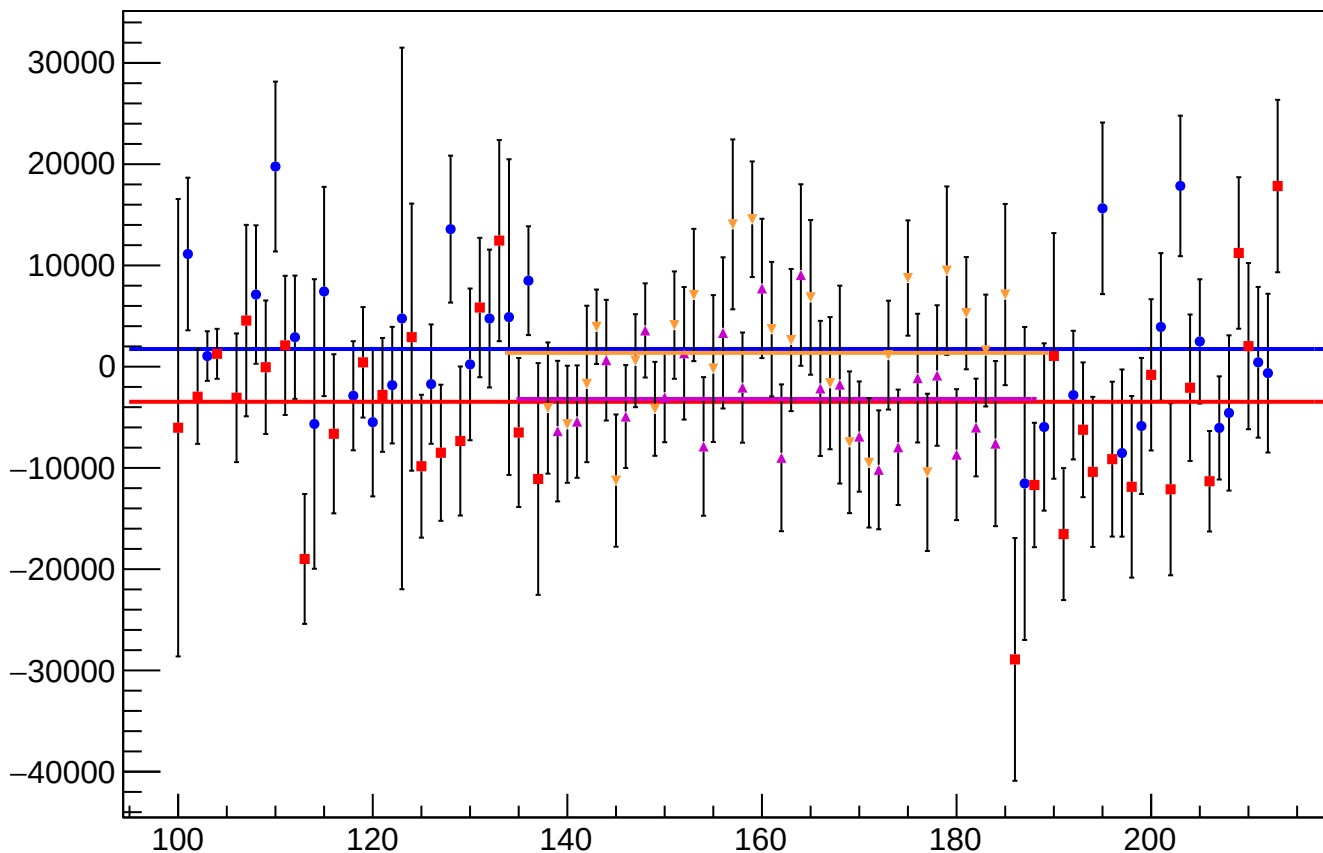
Right Out: 5532.989+/-1.280 χ^2/NDF : 1457186.1/14

All: 5671.187+/-0.937 χ^2/NDF : 1835110.1/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1744.701+/-1176.799 χ^2/NDF : 30.7/29

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -3467.479+/-1122.113 χ^2/NDF : 46.0/33

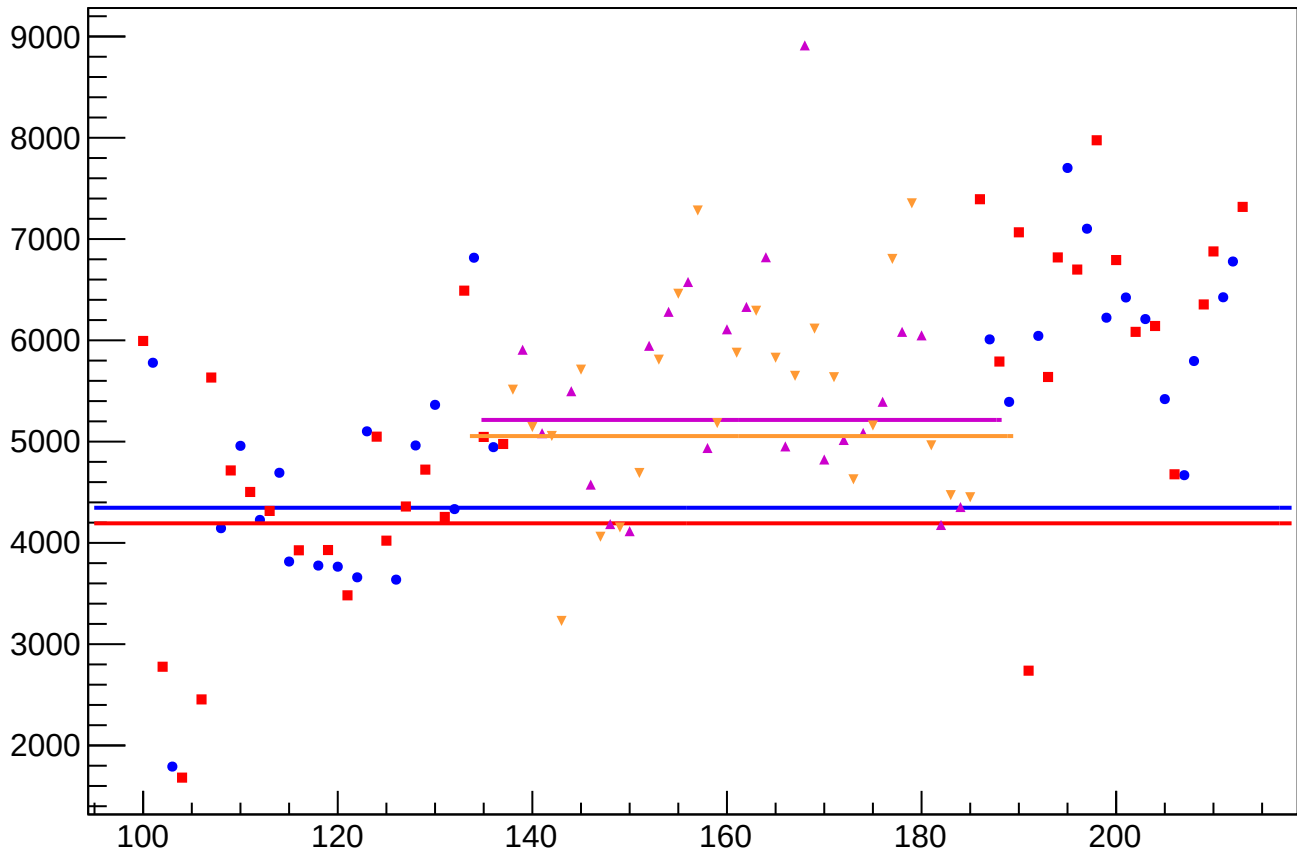
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1559.585+/-842.348 χ^2/NDF : 58.7/54

All: -897.574+/-595.120 χ^2/NDF : 135.7/111

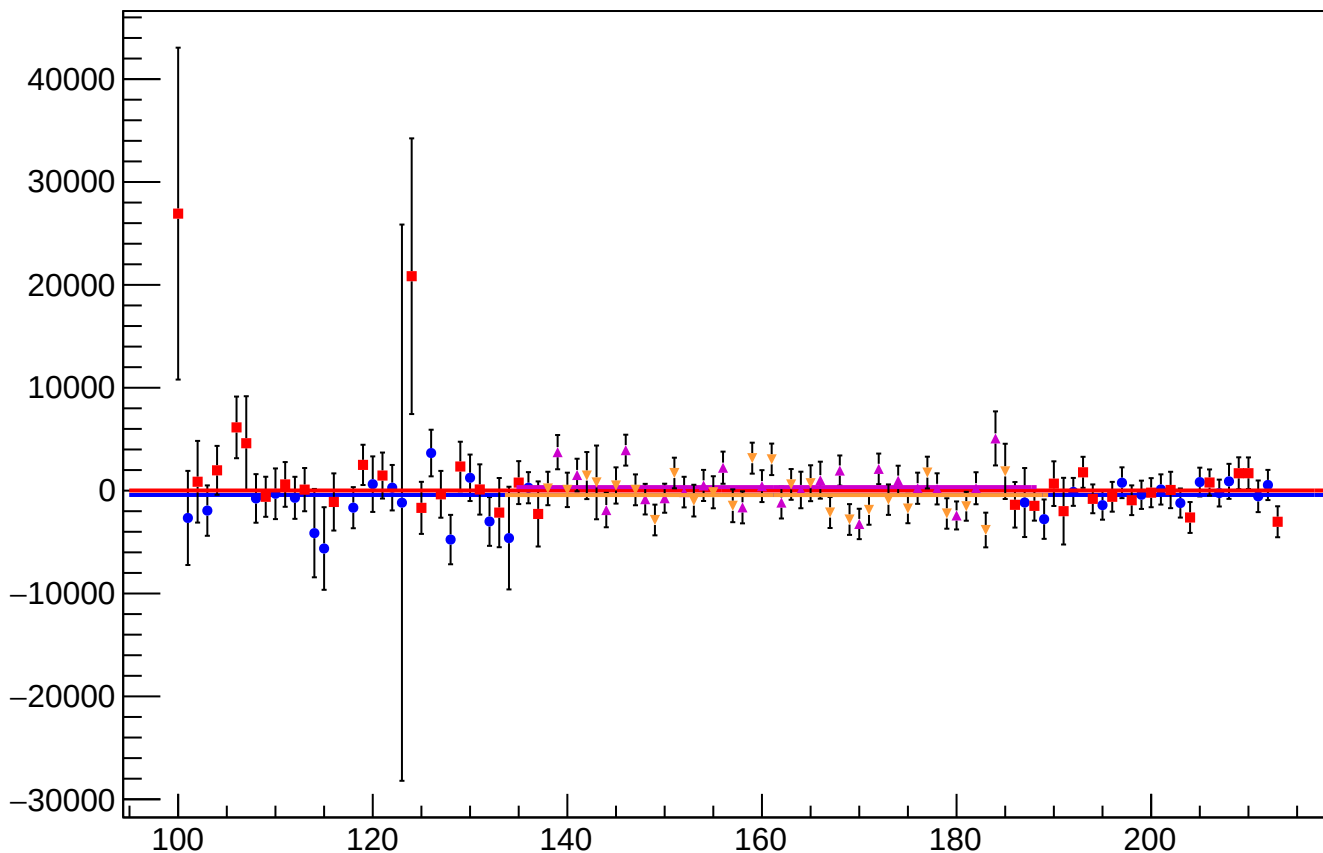
- sign -3346.340+/-840.908 χ^2/NDF : 60.0/56

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4346.934+/-0.832	χ^2/NDF : 4175819.6/29	+ sign 4692.066+/-0.596	χ^2/NDF : 5965838.1/54
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24	All: 4664.755+/-0.420	χ^2/NDF : 13060107.6/1
Right Out: 4193.211+/-0.789	χ^2/NDF : 5307930.5/33	- sign 4637.723+/-0.593	χ^2/NDF : 7090085.9/56
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22		

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -421.985 ± 345.013 χ^2/NDF : 17.9/29

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 13.032 ± 335.704 χ^2/NDF : 30.1/33

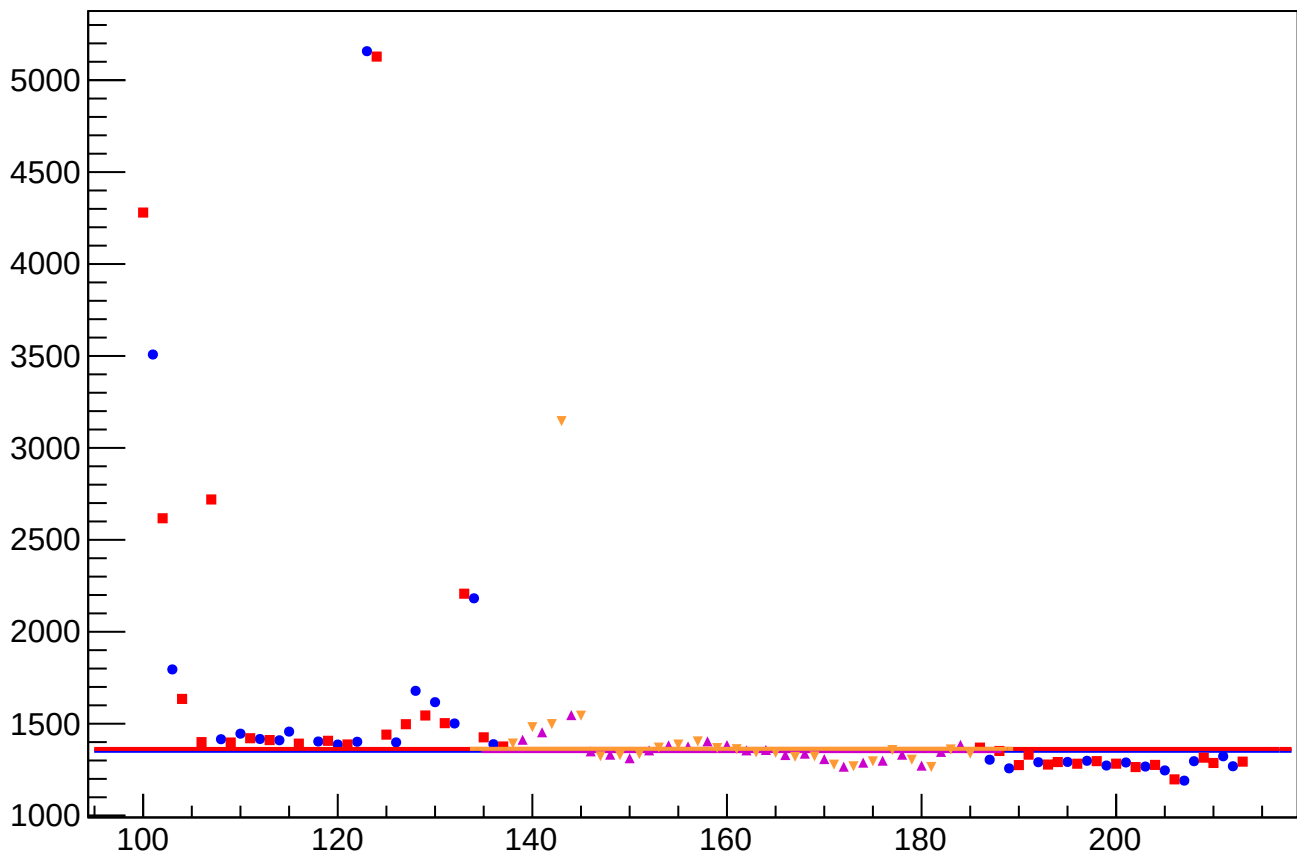
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -427.207 ± 234.832 χ^2/NDF : 51.0/54

All: -119.530 ± 165.495 χ^2/NDF : 118.8/111

- sign 184.063 ± 233.268 χ^2/NDF : 64.4/56

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1352.707 $\pm$ 0.244 χ^2 /NDF: 774498.3/29

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1362.943 $\pm$ 0.237 χ^2 /NDF: 874871.5/33

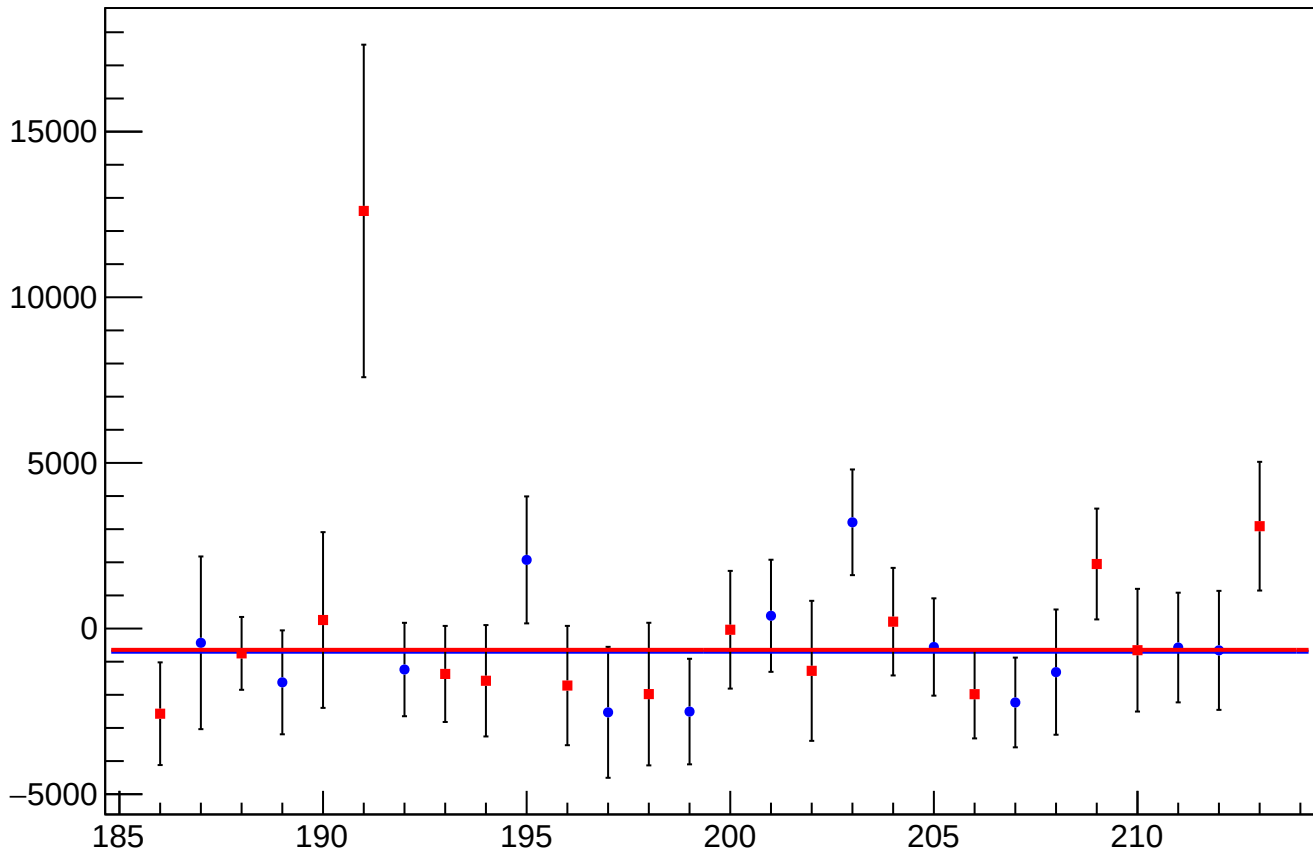
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1358.532 $\pm$ 0.166 χ^2 /NDF: 1350787.4/54

All: 1357.620 $\pm$ 0.117 χ^2 /NDF: 2294192.6/11

- sign 1356.719 $\pm$ 0.165 χ^2 /NDF: 943345.2/56

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -699.102+/-462.019 χ^2/NDF : 12.5/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -642.503+/-439.639 χ^2/NDF : 17.5/14

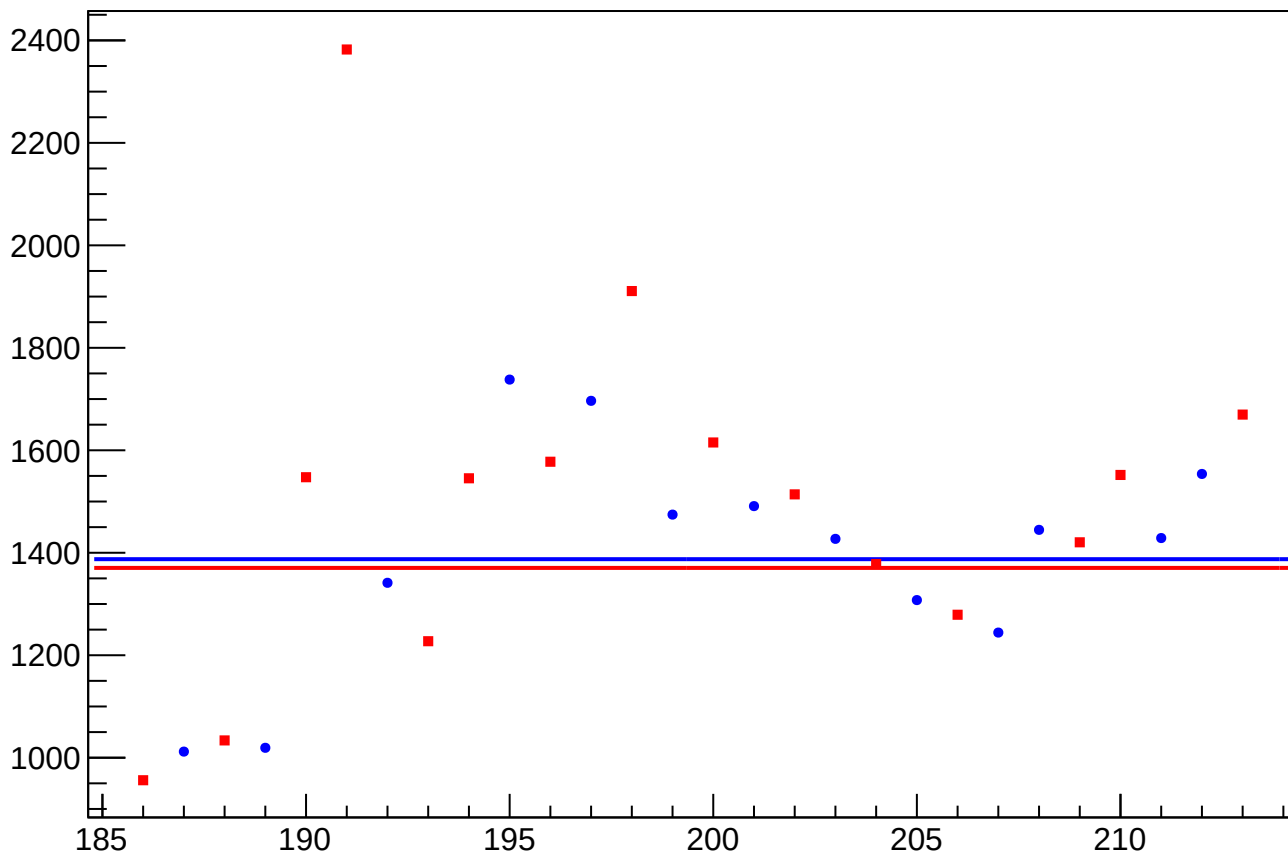
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -669.399+/-318.490 χ^2/NDF : 30.1/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1387.496+/-0.327 χ^2/NDF : 332827.9/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

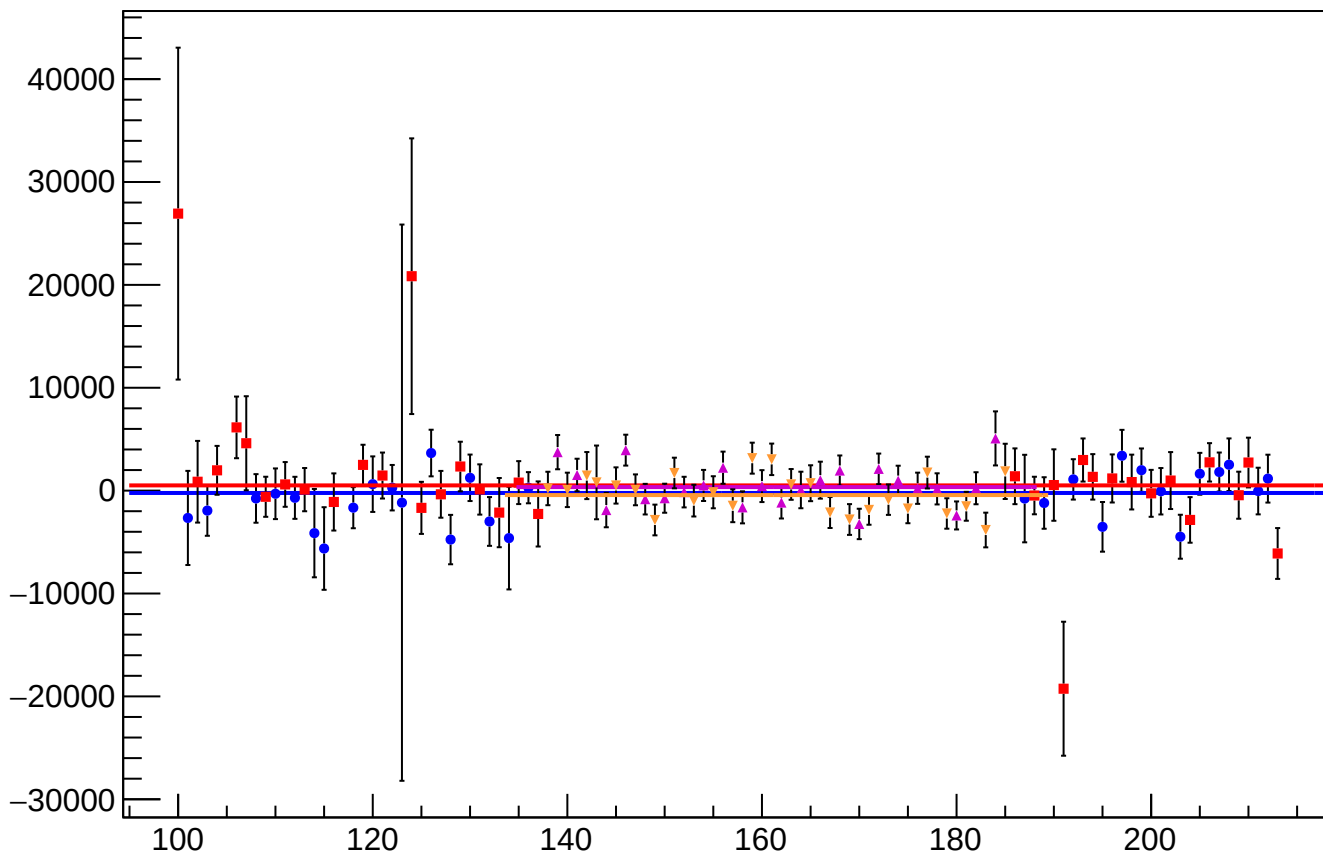
Right Out: 1370.455+/-0.311 χ^2/NDF : 739344.3/14

All: 1378.553+/-0.225 χ^2/NDF : 1073600.2/27

- 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: -226.958 ± 437.554 χ^2/NDF : 26.5/29

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 509.058 ± 428.422 χ^2/NDF : 37.8/33

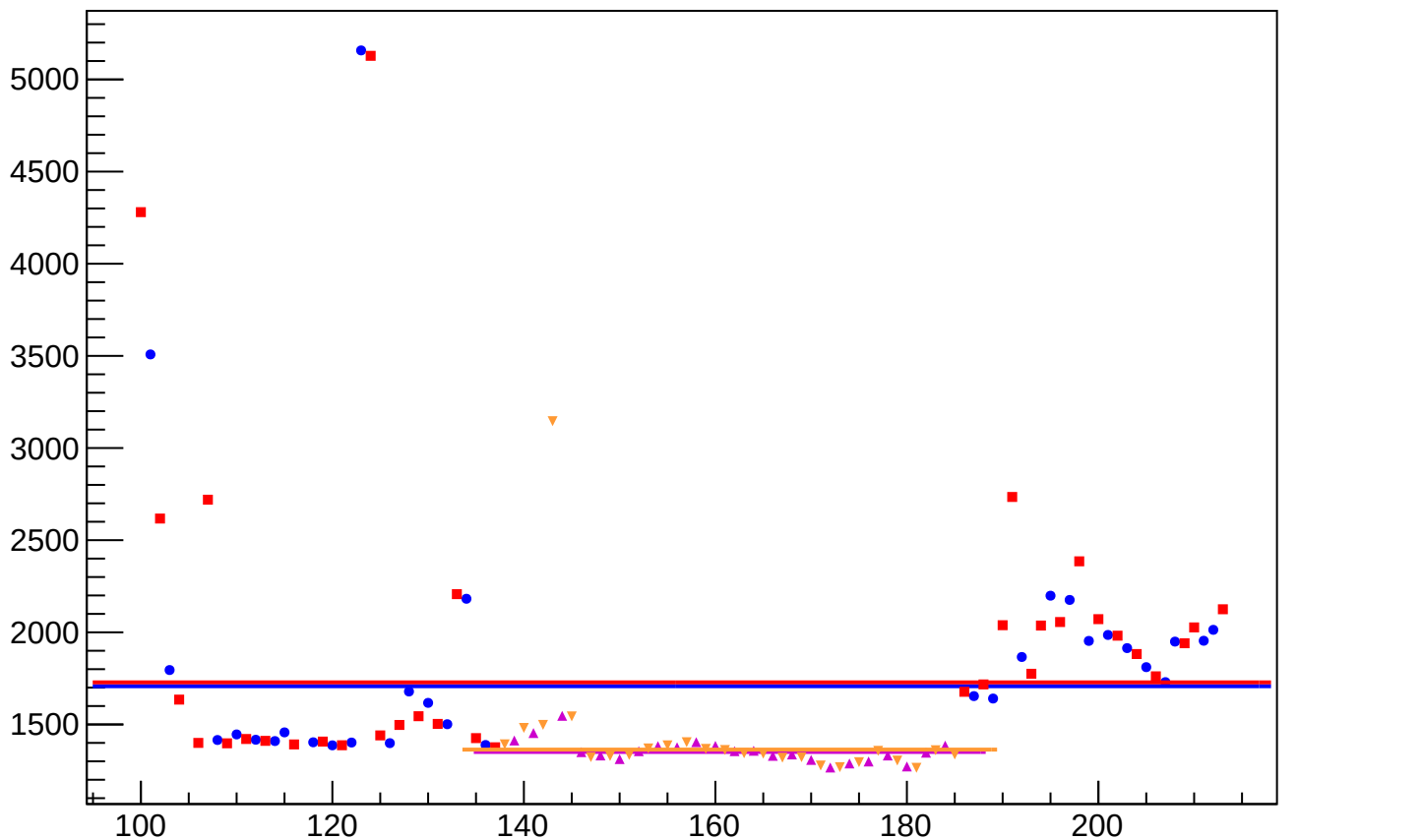
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -360.205 ± 258.579 χ^2/NDF : 59.7/54

All: 21.842 ± 182.853 χ^2/NDF : 135.8/111

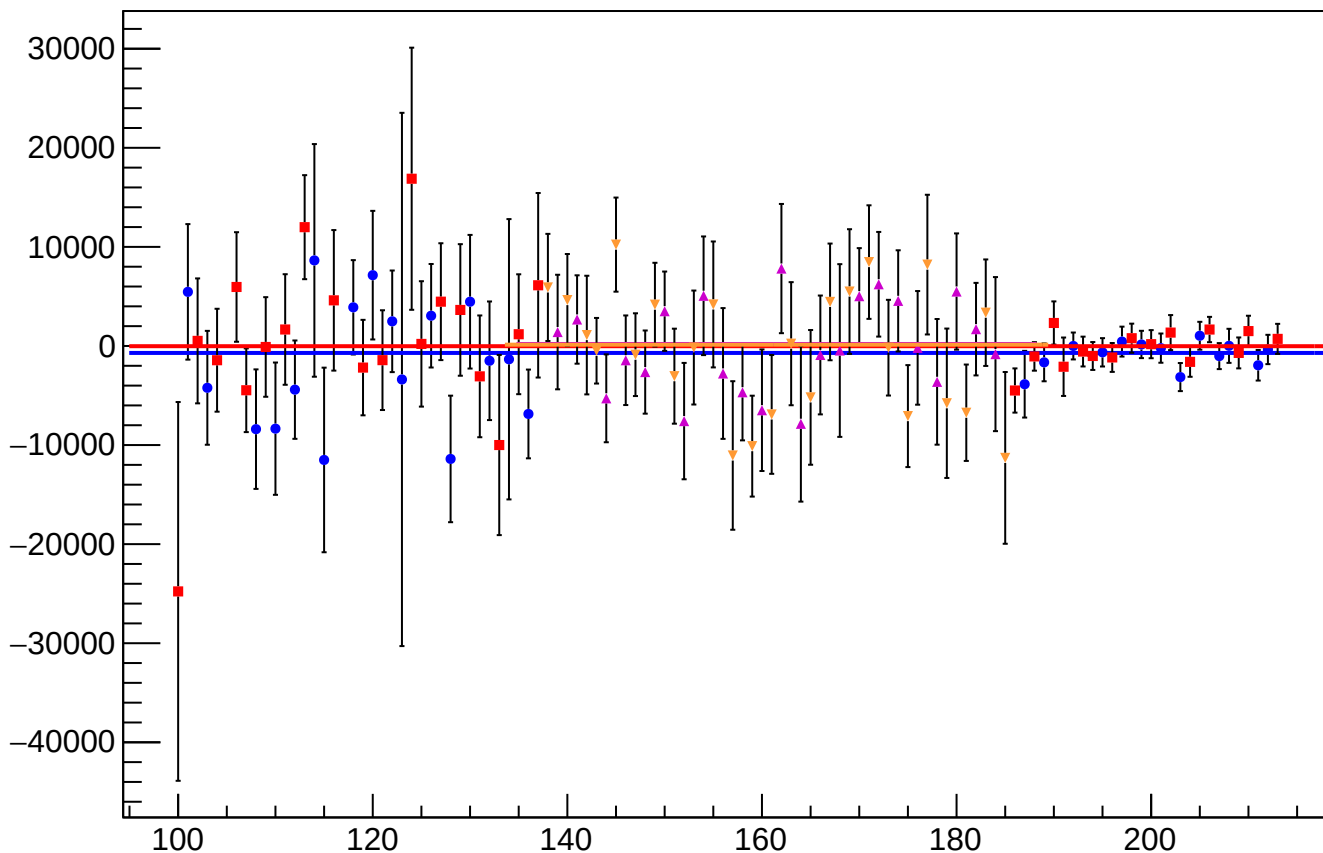
- sign 403.975 ± 258.608 χ^2/NDF : 71.7/56

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1707.518 $\pm$ 0.309 χ^2 /NDF: 1055780.3/29 + sign 1483.685 $\pm$ 0.183 χ^2 /NDF: 2435267.7/54
 Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24 All: 1486.078 $\pm$ 0.129 χ^2 /NDF: 4782620.2/11
 Right Out: 1728.447 $\pm$ 0.303 χ^2 /NDF: 1292639.3/33 - sign 1488.472 $\pm$ 0.183 χ^2 /NDF: 2347009.8/56
 Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -702.302 ± 406.452 χ^2/NDF : 23.2/29

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -22.961 ± 390.919 χ^2/NDF : 27.1/33

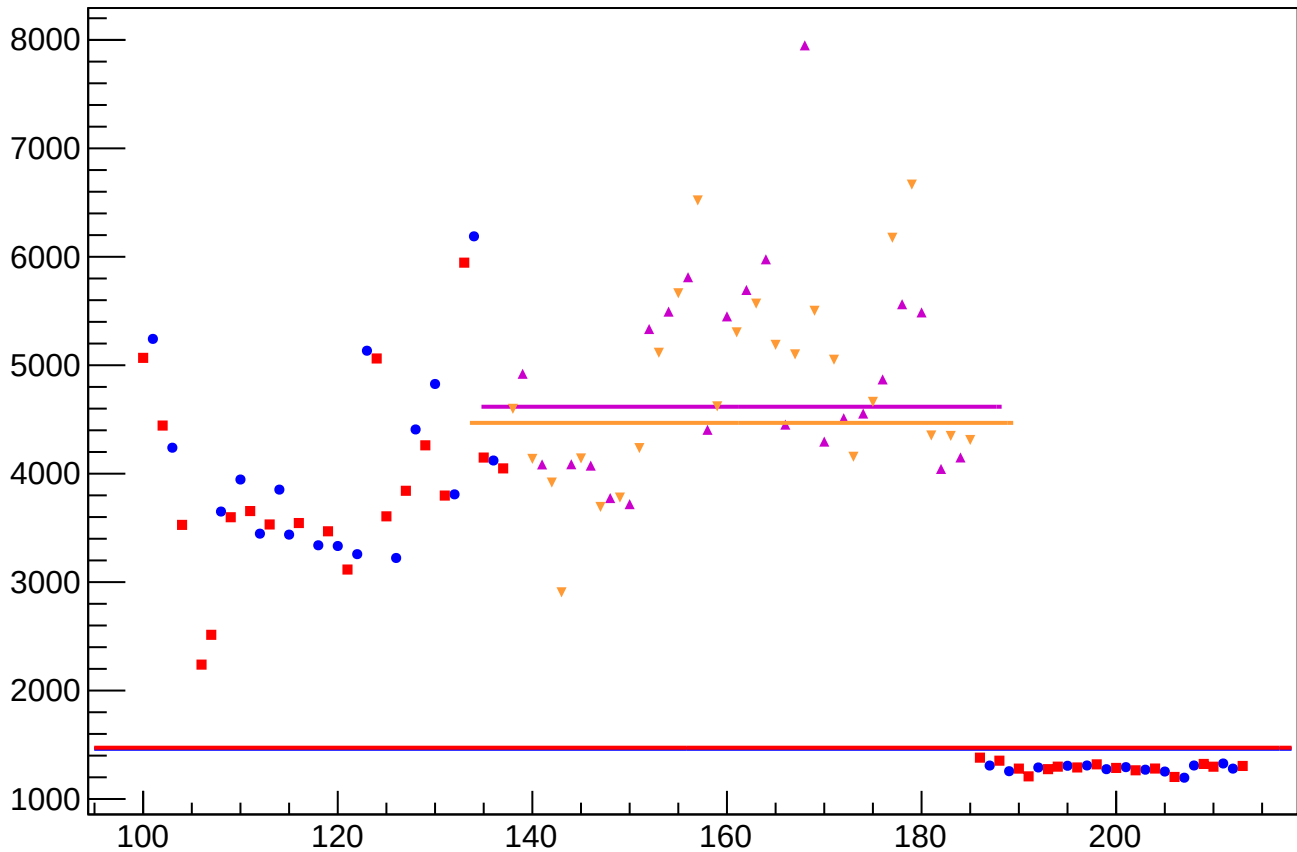
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -596.309 ± 379.761 χ^2/NDF : 51.8/54

All: -289.170 ± 264.722 χ^2/NDF : 94.9/111

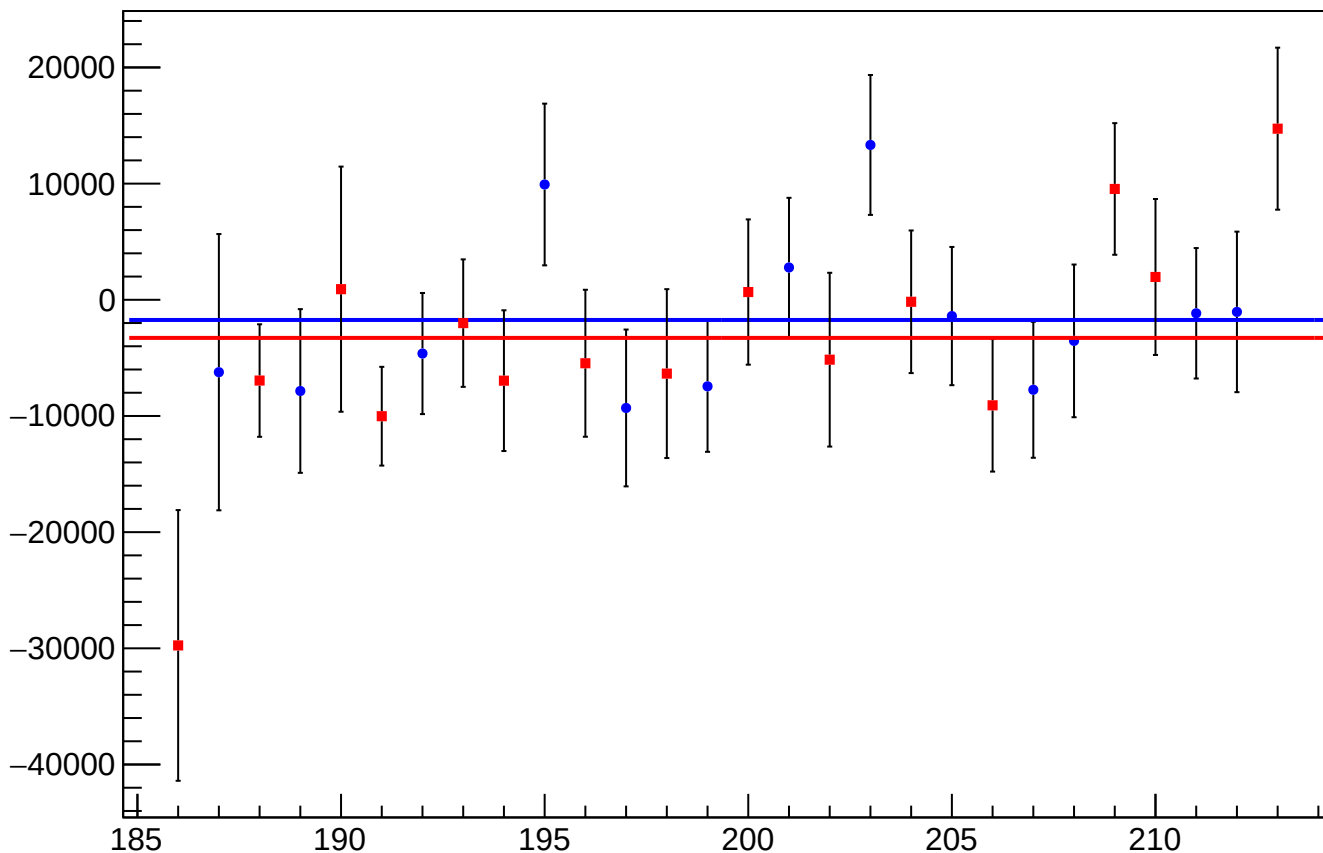
- sign 1.137 ± 369.208 χ^2/NDF : 41.8/56

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1463.022 ± 0.287 $\chi^2/\text{NDF}: 5648894.9/29$ + sign 1844.786 ± 0.269 $\chi^2/\text{NDF}: 20920202.4/54$
 Left Out: 4468.520 ± 0.753 $\chi^2/\text{NDF}: 1380601.0/24$ All: 1827.982 ± 0.187 $\chi^2/\text{NDF}: 41385076.8/1$
 Right Out: 1473.008 ± 0.276 $\chi^2/\text{NDF}: 5482209.3/33$ - sign 1812.120 ± 0.261 $\chi^2/\text{NDF}: 20457262.2/56$
 Left In: 4617.293 ± 0.794 $\chi^2/\text{NDF}: 999599.8/22$

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -1736.065+/-1749.463 χ^2 /NDF: 14.3/12

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Right Out: -3279.451+/-1594.363 χ^2 /NDF: 23.3/14

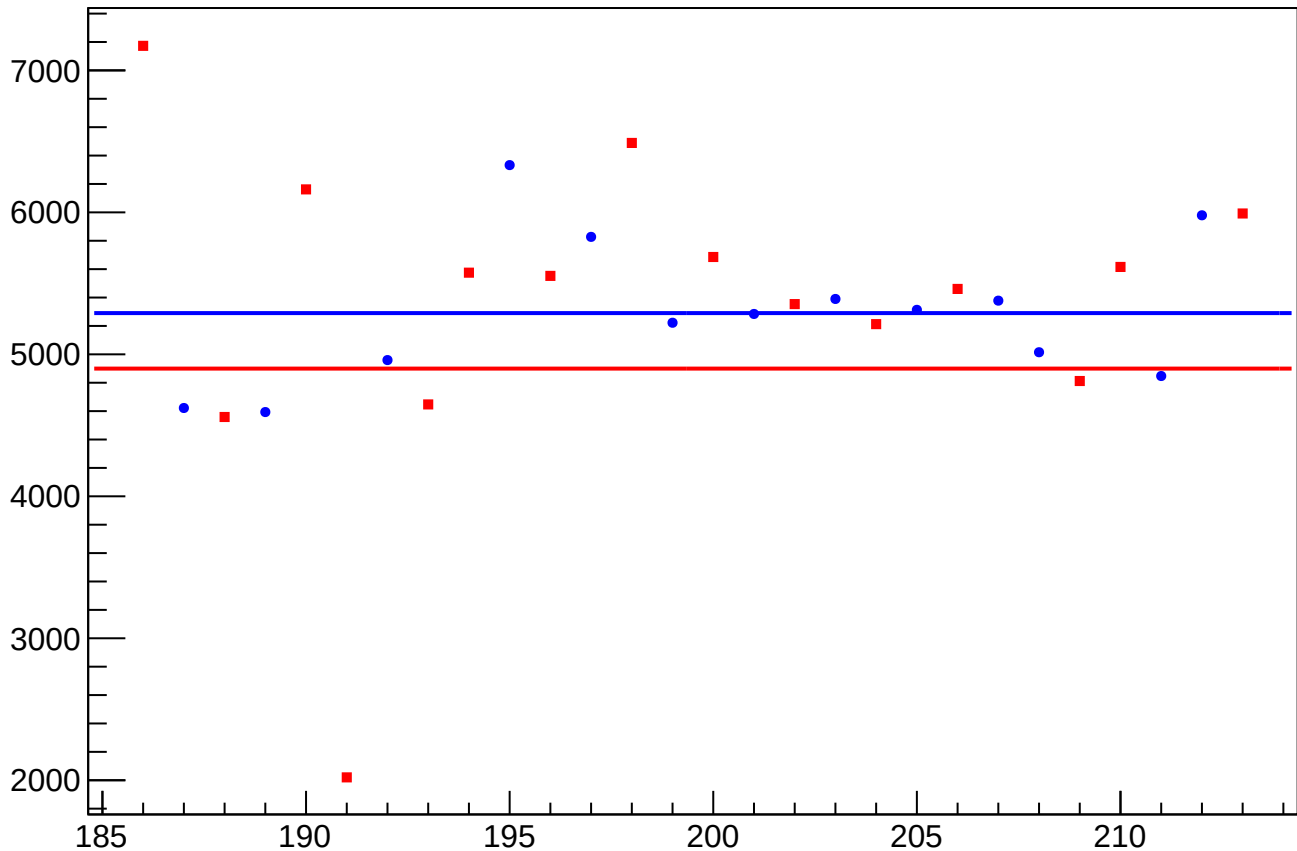
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -2579.192+/-1178.410 χ^2 /NDF: 38.0/27

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5290.474+/-1.237 χ^2/NDF : 128654.1/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

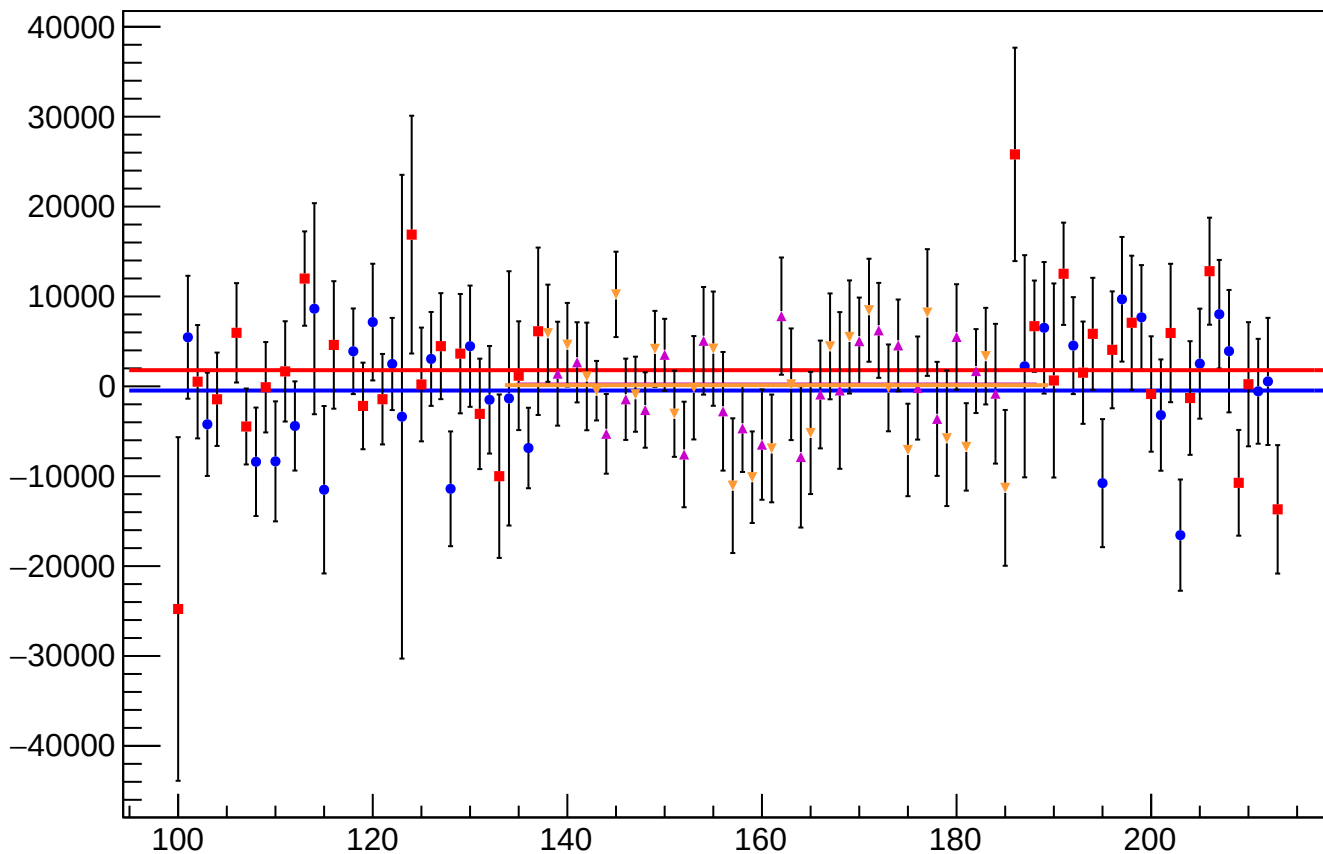
Right Out: 4899.540+/-1.127 χ^2/NDF : 1314616.1/14

All: 5076.913+/-0.833 χ^2/NDF : 1497826.5/27

- 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: -468.309 ± 1161.574 χ^2/NDF : 33.1/29

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: 1797.397 ± 1071.445 χ^2/NDF : 37.5/33

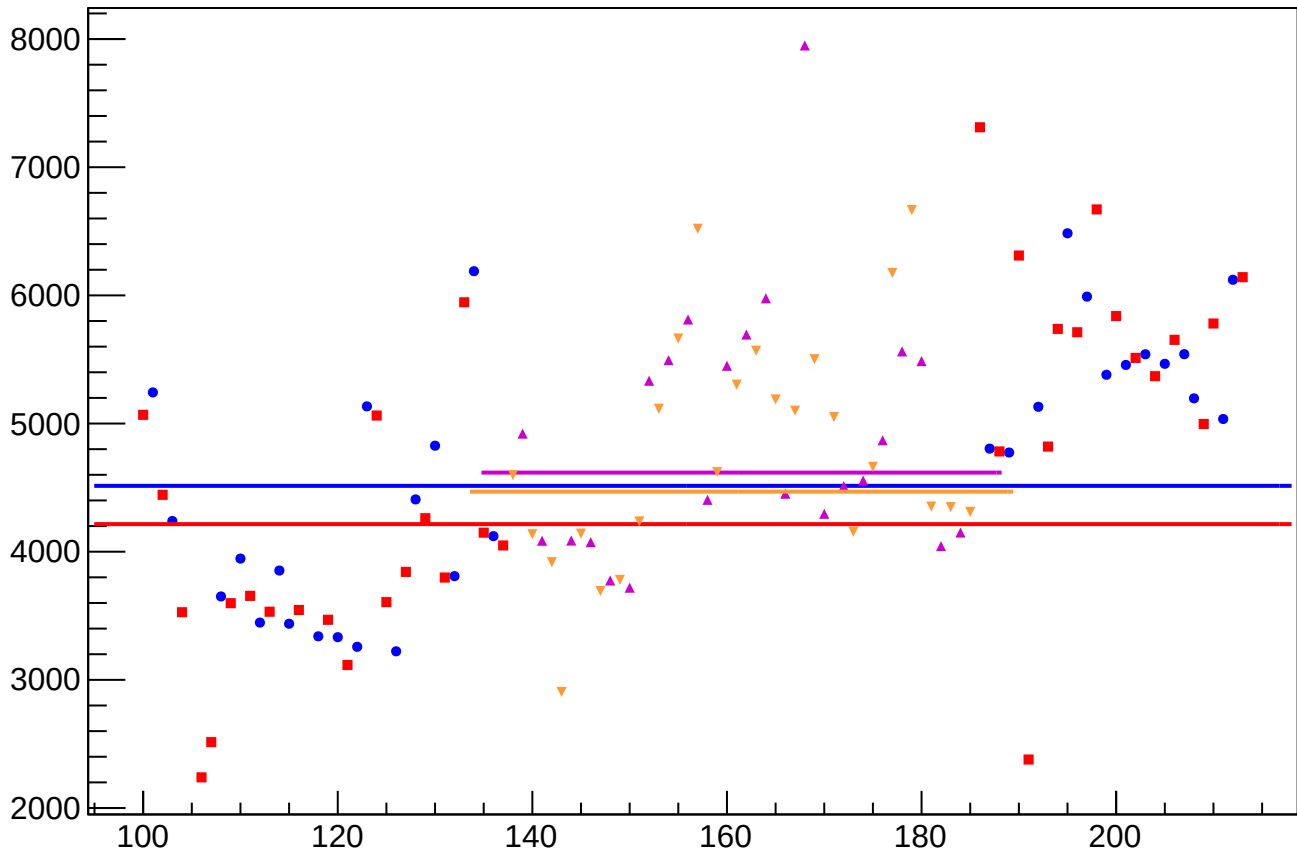
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -142.241 ± 785.211 χ^2/NDF : 61.4/54

All: 454.633 ± 551.718 χ^2/NDF : 115.8/111

- sign 1036.647 ± 775.375 χ^2/NDF : 53.3/56

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4513.951+/-0.821 χ^2/NDF : 1380476.0/29

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

Right Out: 4215.252+/-0.753 χ^2/NDF : 2620723.4/33

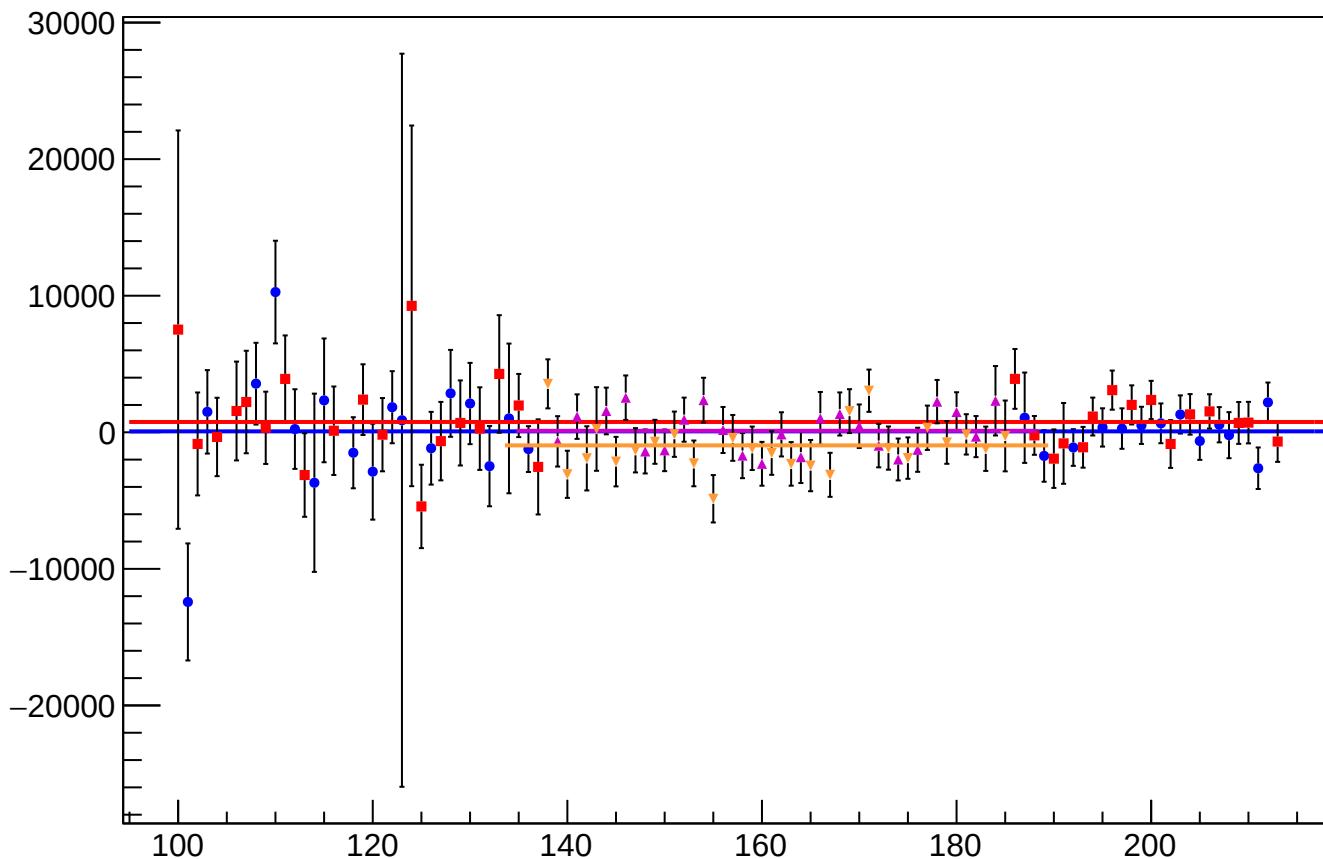
Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

+ sign 4489.280+/-0.555 χ^2/NDF : 2762738.5/54

All: 4446.807+/-0.390 χ^2/NDF : 6529420.9/11

- sign 4405.631+/-0.547 χ^2/NDF : 3755157.2/56

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 68.062 ± 363.649 χ^2/NDF : 31.0/29

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 756.191 ± 352.256 χ^2/NDF : 23.6/33

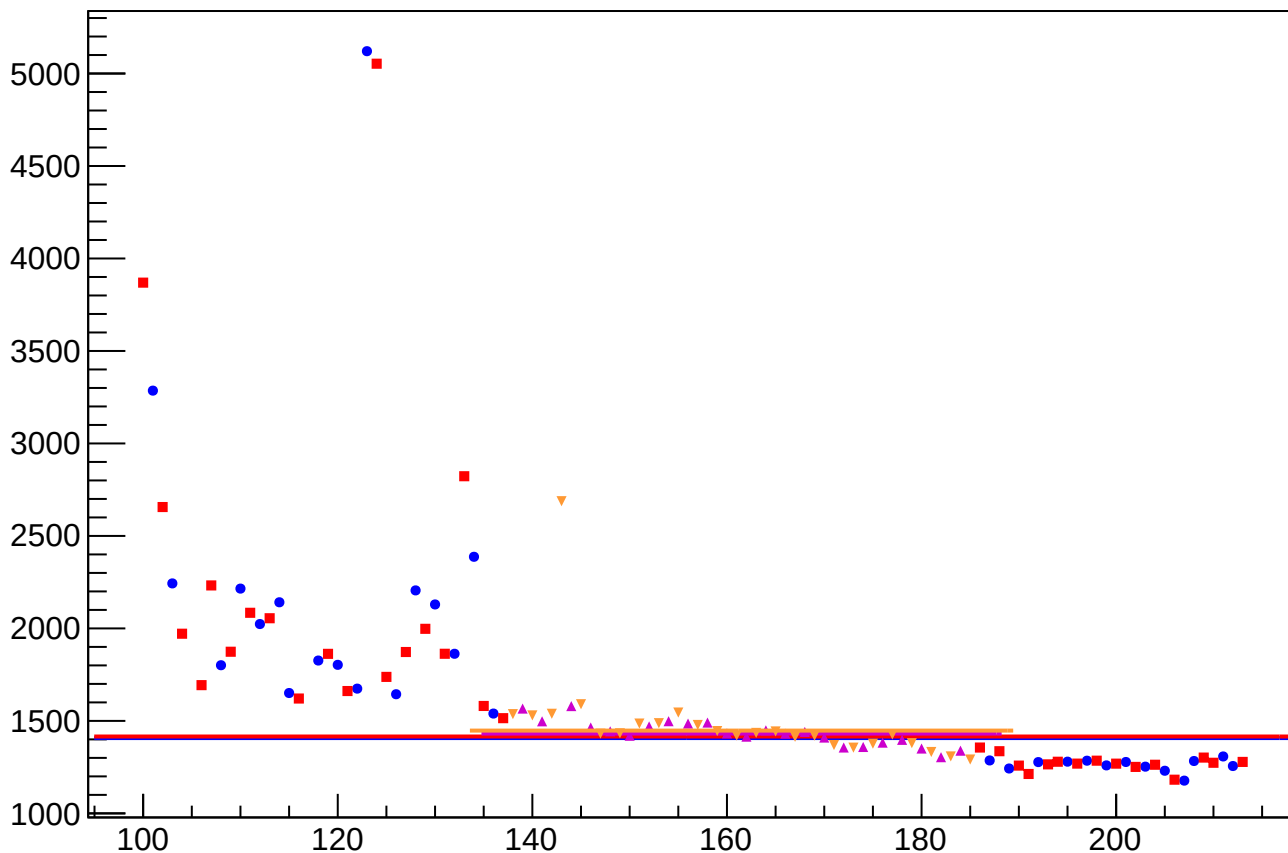
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -480.391 ± 248.160 χ^2/NDF : 63.8/54

All: -24.301 ± 174.703 χ^2/NDF : 115.3/111

- sign 423.843 ± 245.988 χ^2/NDF : 44.8/56

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1407.155+/-0.257 χ^2/NDF : 1569924.6/29

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1415.598+/-0.249 χ^2/NDF : 1619497.0/33

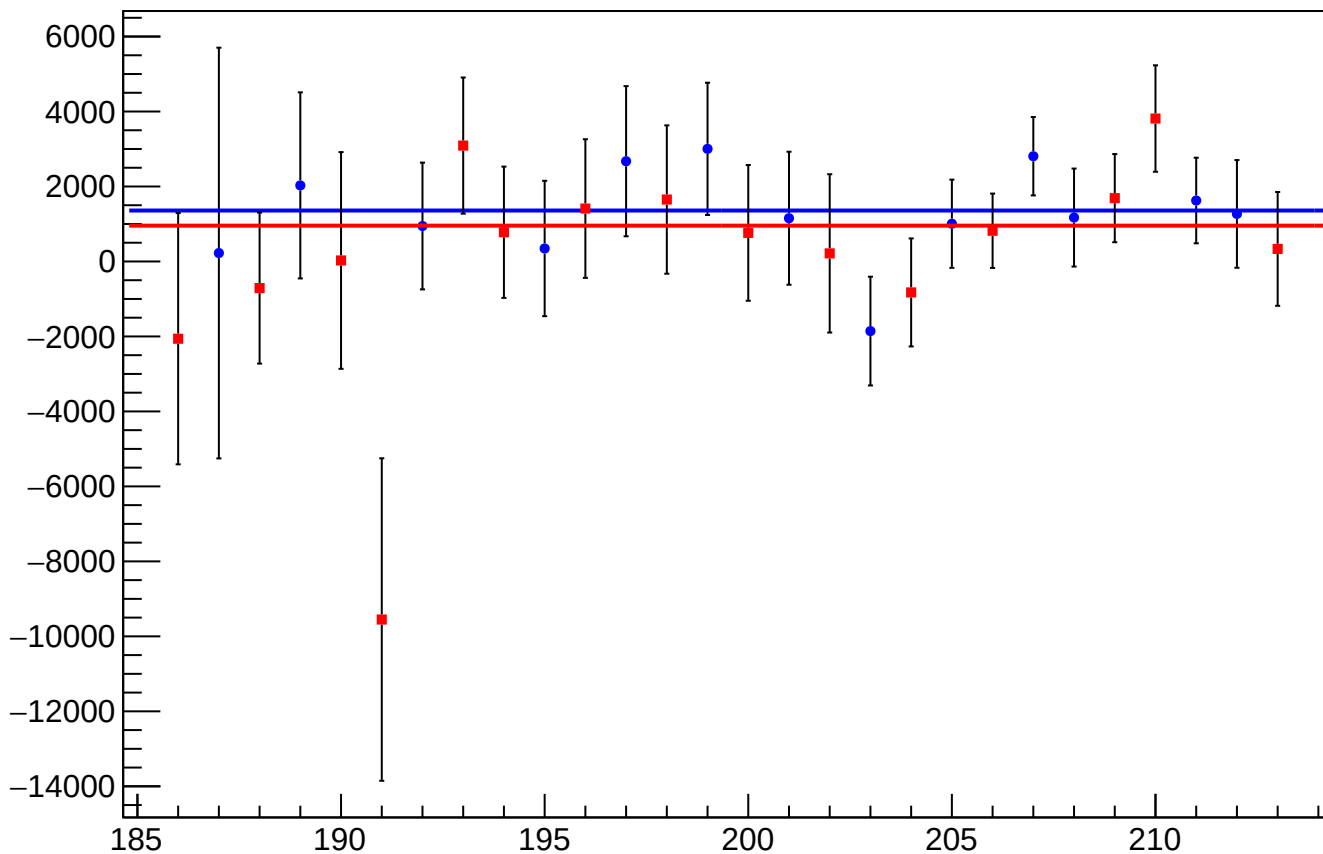
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1428.741+/-0.175 χ^2/NDF : 2002368.4/54

All: 1426.209+/-0.124 χ^2/NDF : 3699485.0/11

- sign 1423.722+/-0.174 χ^2/NDF : 1696704.1/56

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1358.936 $\pm$ 419.249 χ^2 /NDF: 8.8/12

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 955.667 $\pm$ 431.633 χ^2 /NDF: 15.4/14

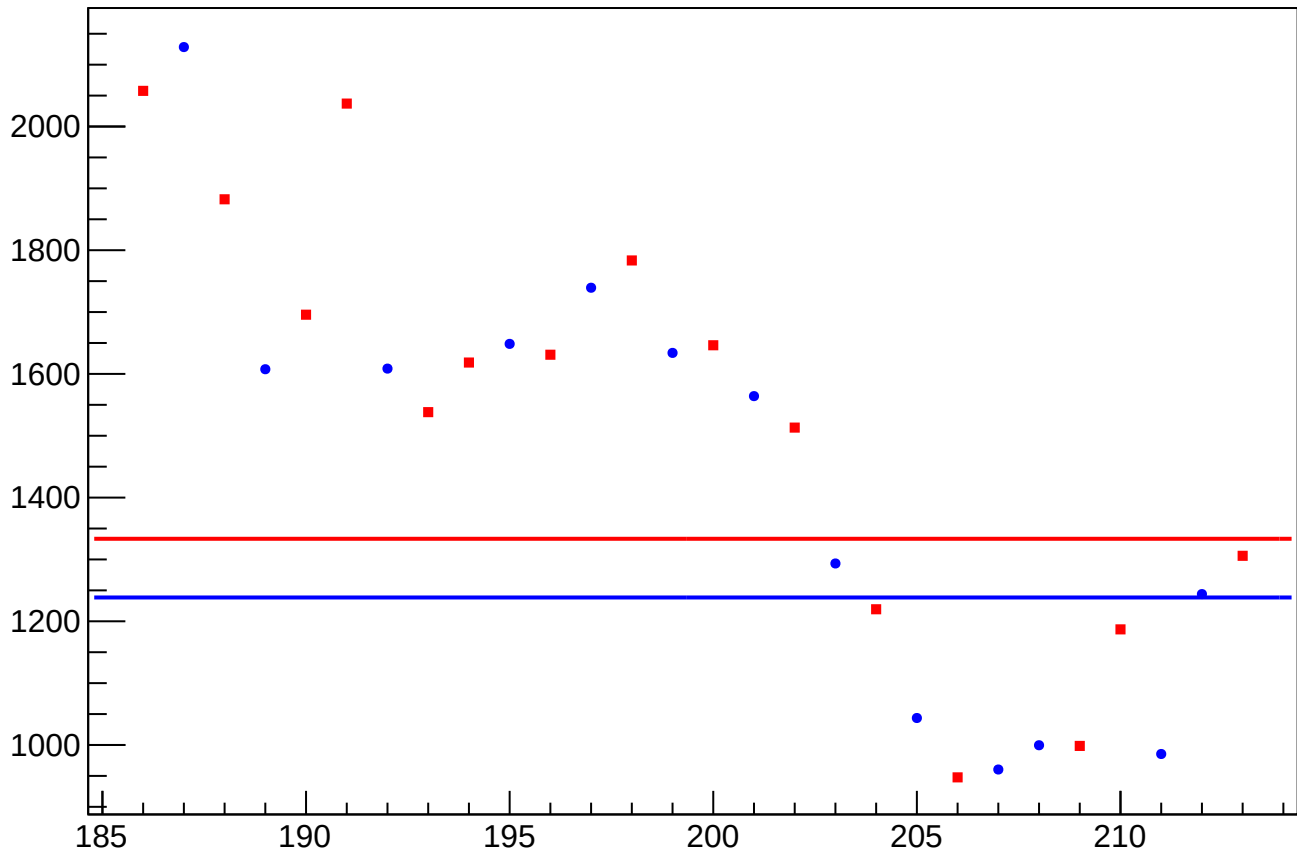
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1163.169 $\pm$ 300.737 χ^2 /NDF: 24.7/27

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1238.504+/-0.296 χ^2/NDF : 953264.8/12

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

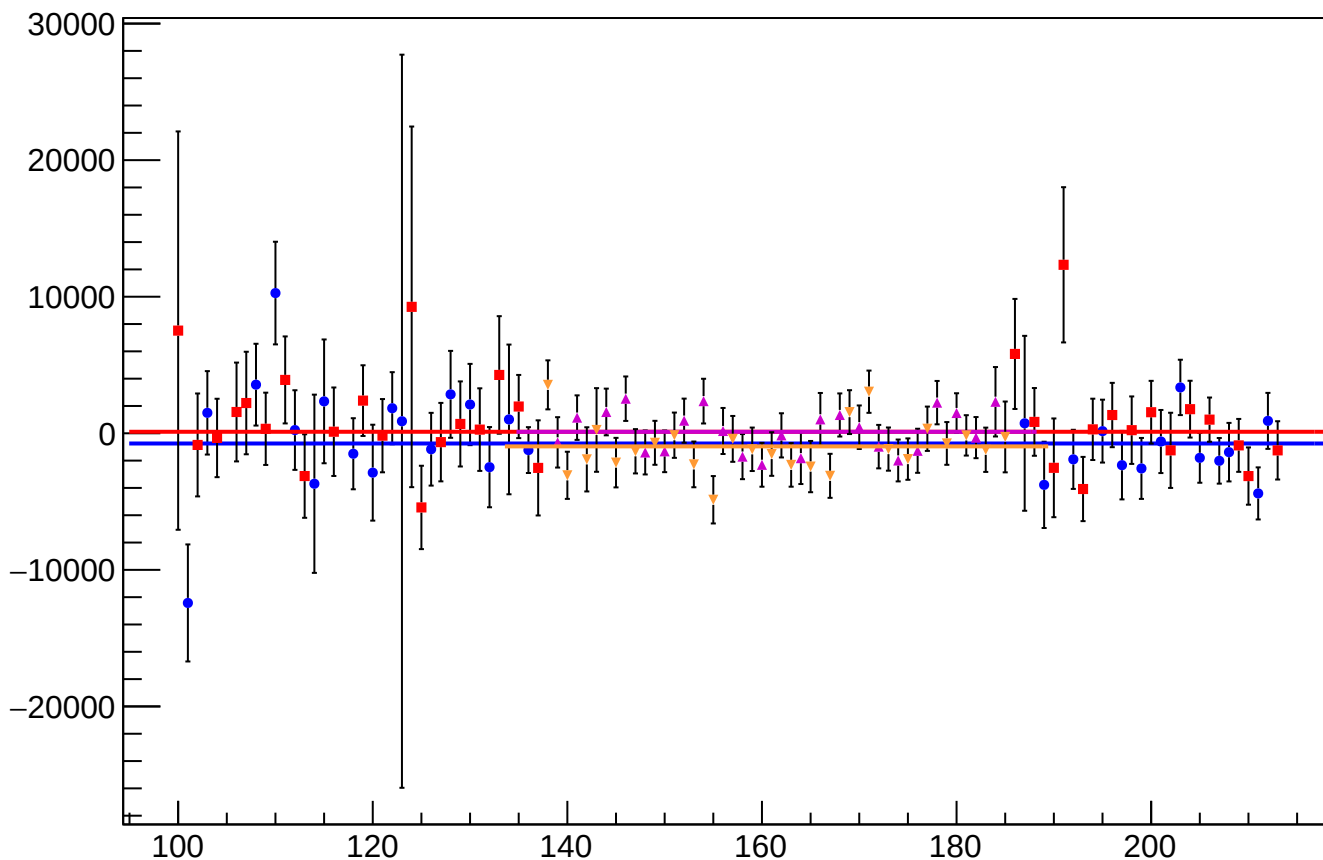
Right Out: 1333.410+/-0.305 χ^2/NDF : 1134065.5/14

All: 1284.576+/-0.213 χ^2/NDF : 2137083.6/27

- 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_dd_mean vs Slug



Right In: -747.246 $\pm$ 472.894 χ^2 /NDF: 35.5/29

Left Out: -958.410 $\pm$ 339.496 χ^2 /NDF: 28.5/24

Right Out: 111.192 $\pm$ 468.872 χ^2 /NDF: 25.5/33

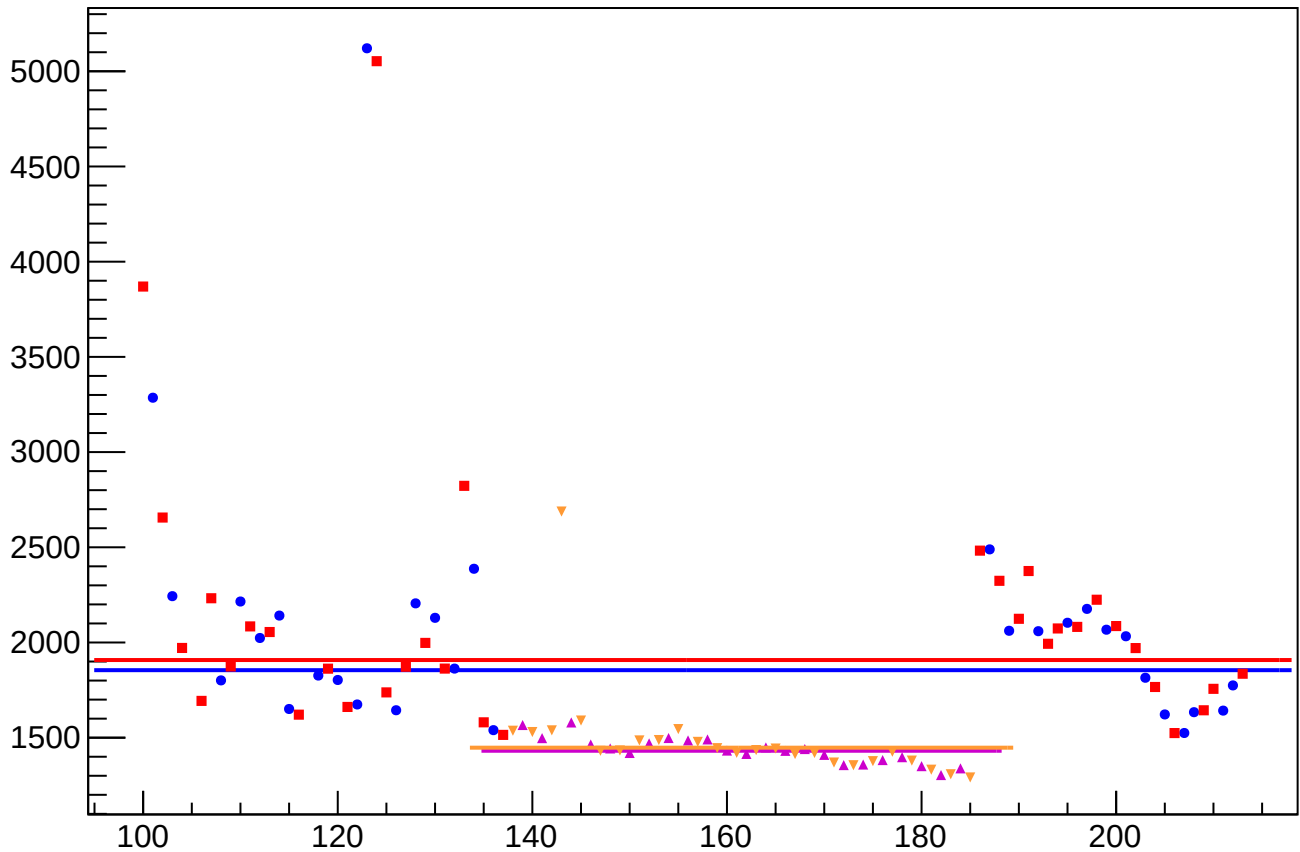
Left In: 107.512 $\pm$ 343.663 χ^2 /NDF: 19.5/22

+ sign -886.592 $\pm$ 275.786 χ^2 /NDF: 64.2/54

All: -391.409 $\pm$ 195.501 χ^2 /NDF: 115.6/111

- sign 108.798 $\pm$ 277.181 χ^2 /NDF: 45.0/56

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1854.597+/-0.334 χ^2/NDF : 764737.3/29

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1907.866+/-0.332 χ^2/NDF : 819835.2/33

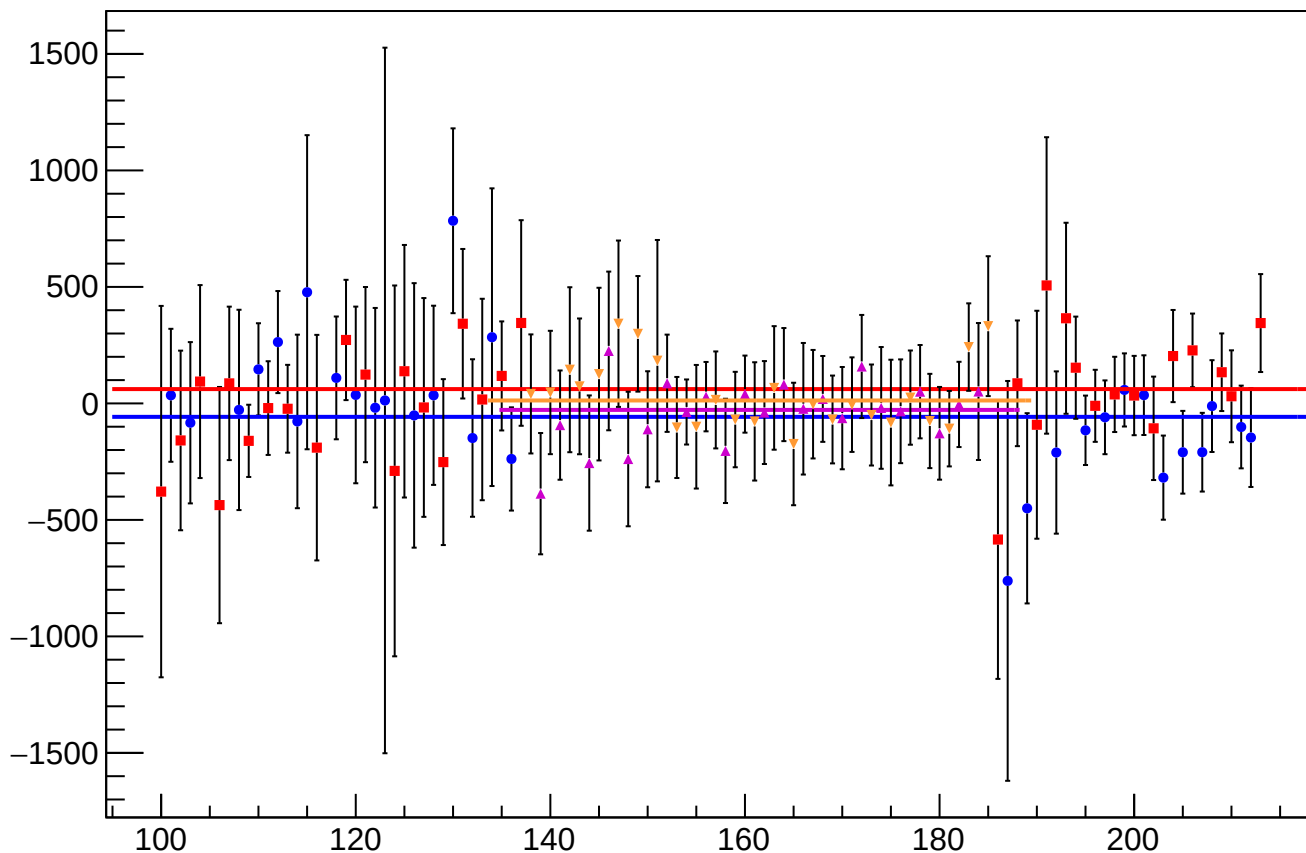
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1585.993+/-0.195 χ^2/NDF : 2161806.7/54

All: 1591.942+/-0.138 χ^2/NDF : 4401878.0/11

- sign 1597.952+/-0.196 χ^2/NDF : 2238200.4/56

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -57.690 $\pm$ 44.309 χ^2 /NDF: 16.7/29

Left Out: 12.618 $\pm$ 47.486 χ^2 /NDF: 7.7/24

Right Out: 61.465 $\pm$ 43.078 χ^2 /NDF: 14.2/33

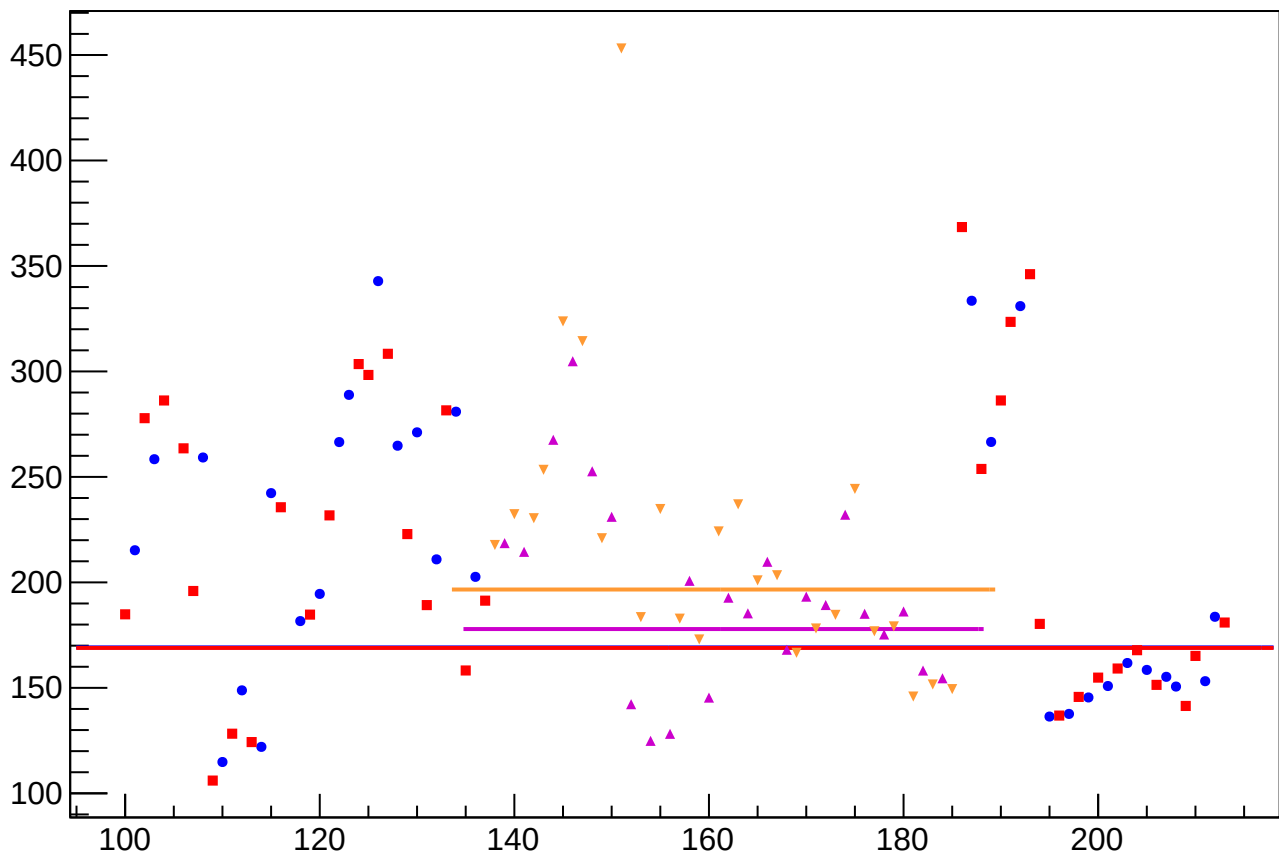
Left In: -27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

+ sign -24.966 $\pm$ 32.396 χ^2 /NDF: 25.6/54

All: -2.380 $\pm$ 22.382 χ^2 /NDF: 49.3/111

- sign 18.246 $\pm$ 30.959 χ^2 /NDF: 22.8/56

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.178 $\pm$ 0.031 χ^2 /NDF: 2136904.4/29

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF: 1793507.9/24

Right Out: 168.937 $\pm$ 0.030 χ^2 /NDF: 2838720.3/33

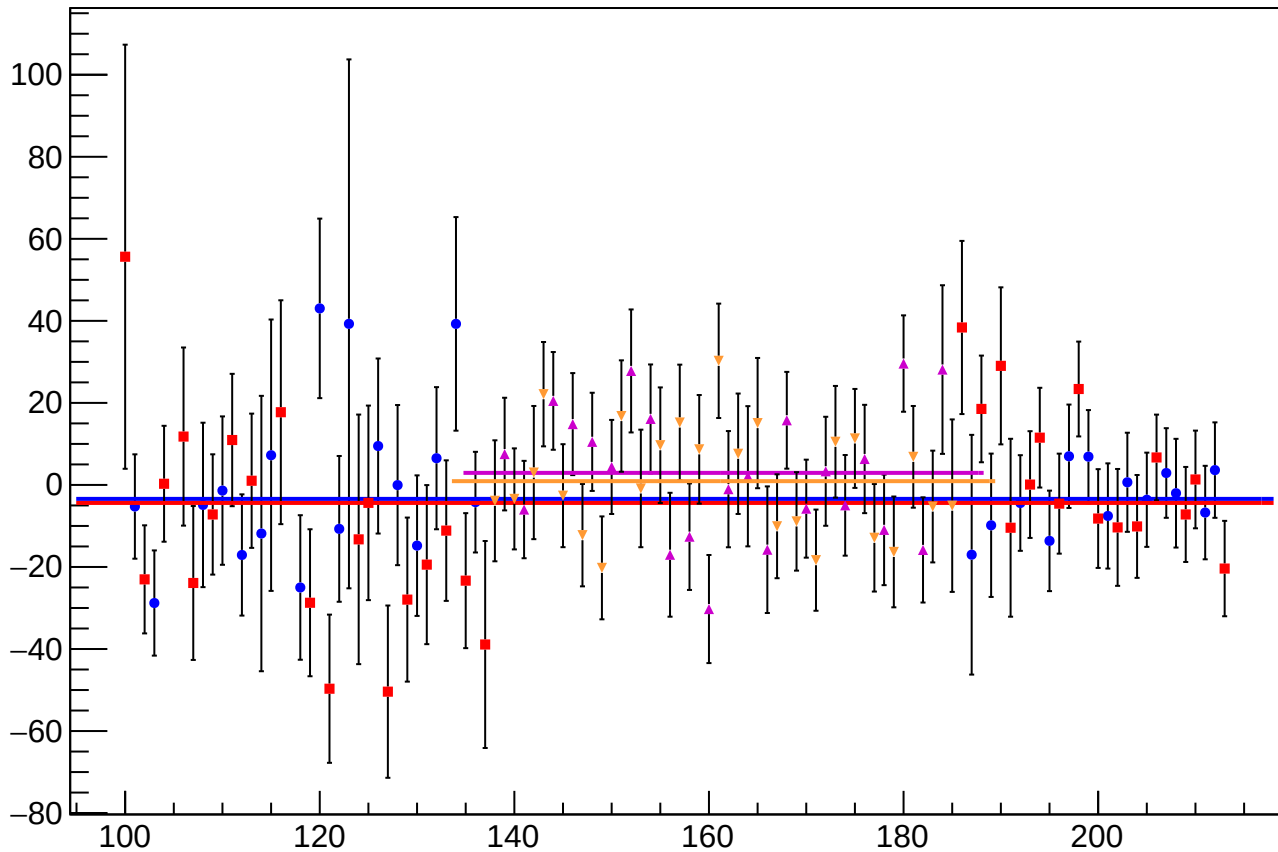
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF: 1644086.7/22

+ sign 181.950 $\pm$ 0.023 χ^2 /NDF: 4287461.3/54

All: 177.408 $\pm$ 0.016 χ^2 /NDF: 8887149.7/111

- sign 173.260 $\pm$ 0.022 χ^2 /NDF: 4524464.5/56

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.400 ± 2.724 χ^2/NDF : 19.0/29

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -4.389 ± 2.636 χ^2/NDF : 46.9/33

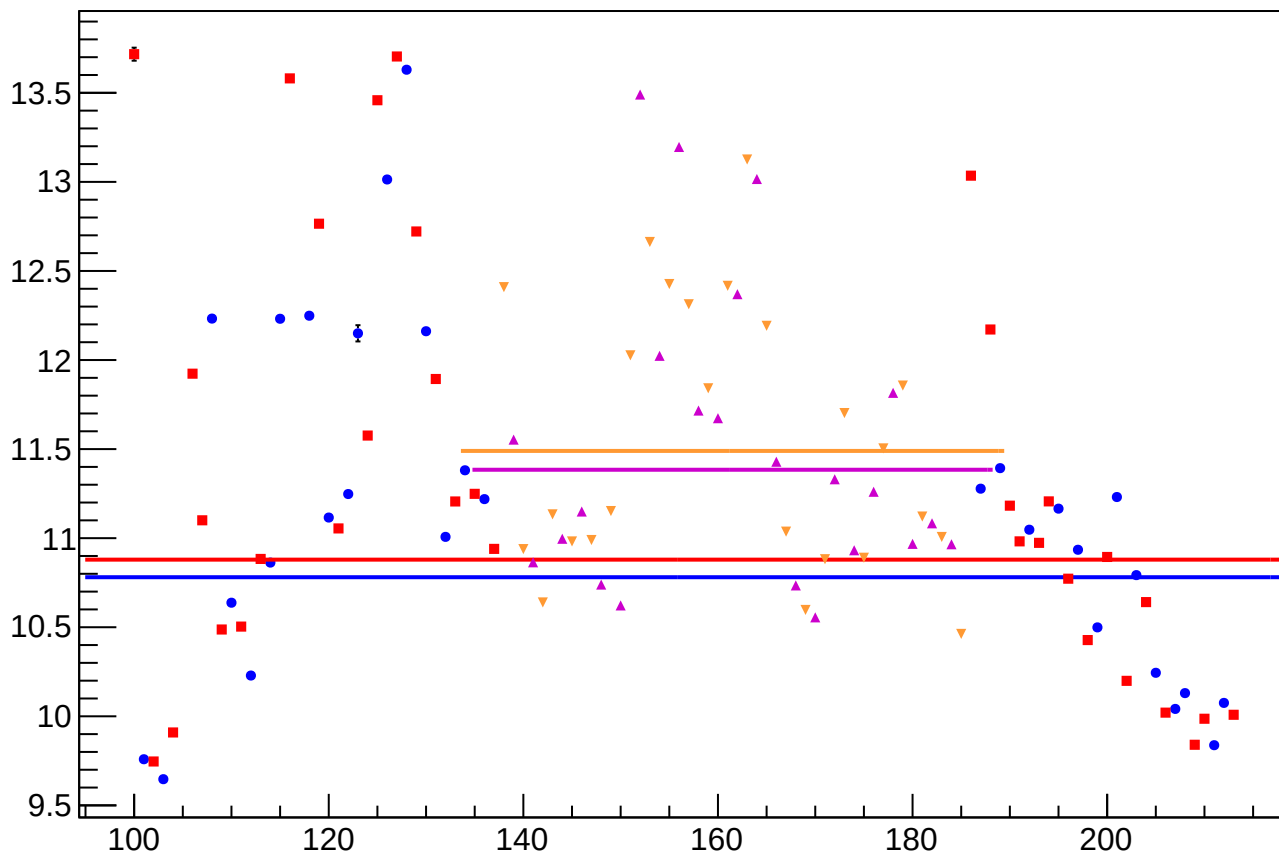
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.218 ± 1.916 χ^2/NDF : 44.3/54

All: -1.044 ± 1.350 χ^2/NDF : 125.9/111

- sign -0.872 ± 1.901 χ^2/NDF : 81.6/56

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.781 $\pm$ 0.002 χ^2 /NDF: 193329.0/29

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 10.879 $\pm$ 0.002 χ^2 /NDF: 267939.7/33

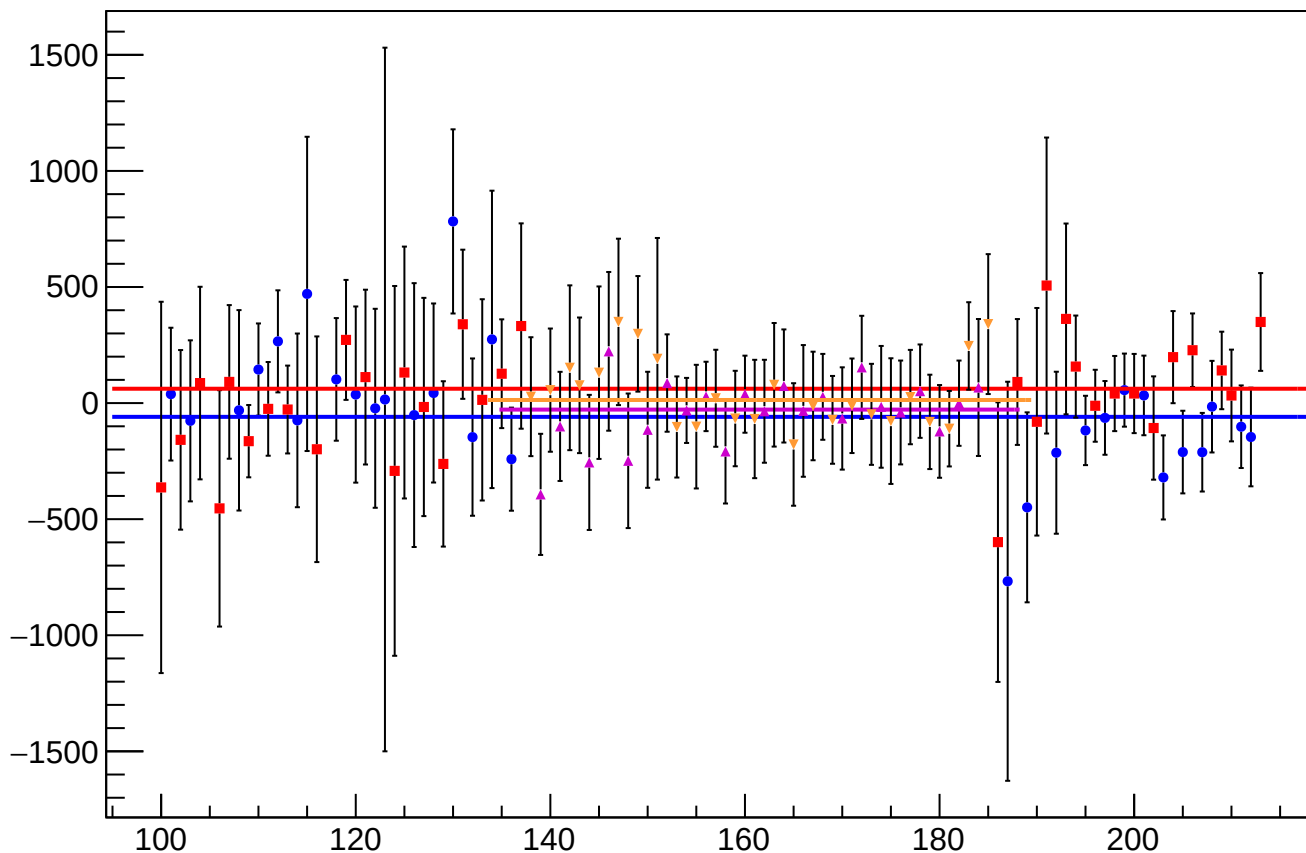
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.139 $\pm$ 0.001 χ^2 /NDF: 394165.3/54

All: 11.130 $\pm$ 0.001 χ^2 /NDF: 847158.4/111

- sign 11.122 $\pm$ 0.001 χ^2 /NDF: 452910.1/56

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -59.280 $\pm$ 44.417 χ^2 /NDF: 16.7/29

Left Out: 13.323 $\pm$ 47.662 χ^2 /NDF: 7.9/24

Right Out: 61.828 $\pm$ 43.191 χ^2 /NDF: 14.4/33

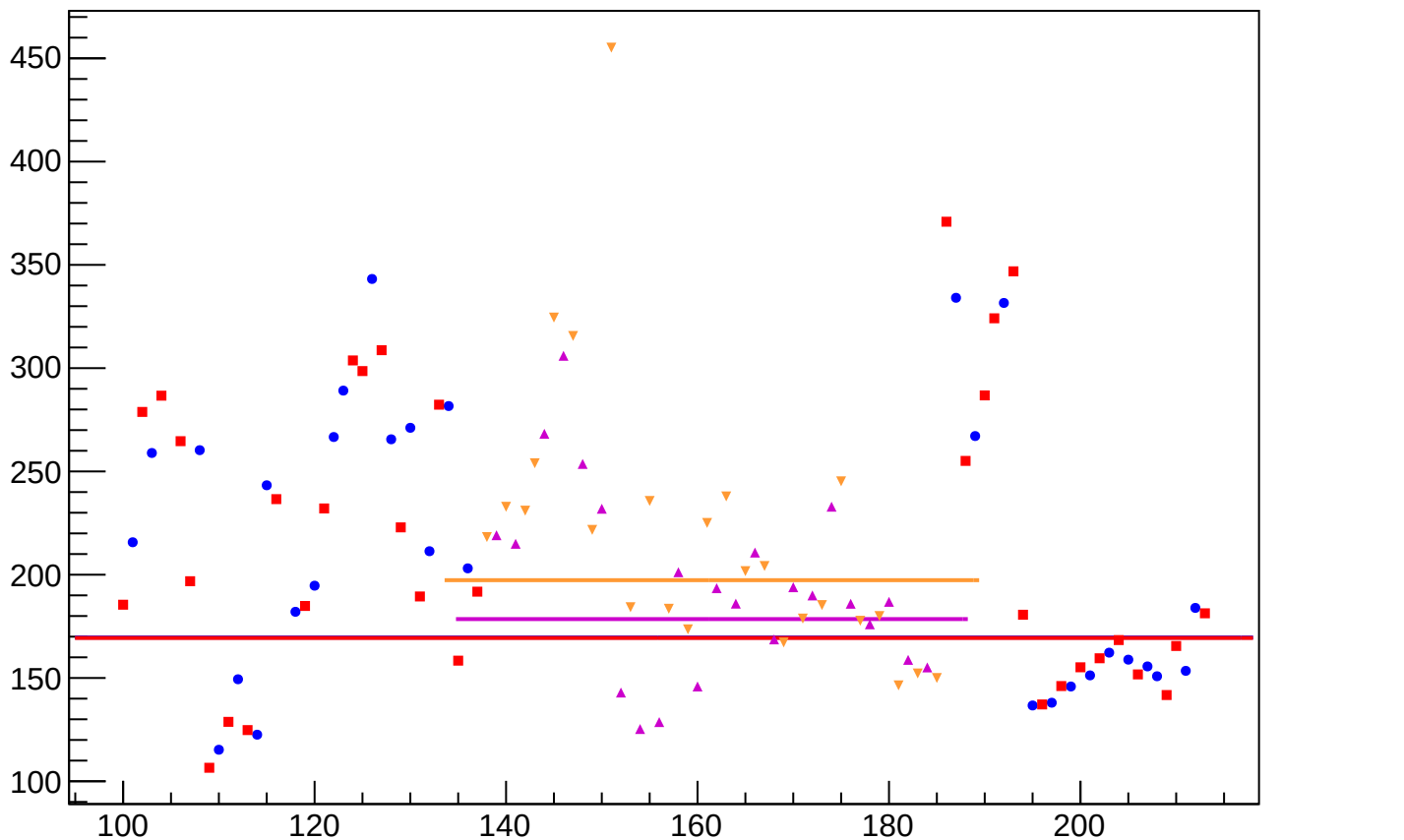
Left In: -28.050 $\pm$ 44.681 χ^2 /NDF: 6.6/22

+ sign -25.534 $\pm$ 32.494 χ^2 /NDF: 25.8/54

All: -2.565 $\pm$ 22.450 χ^2 /NDF: 49.9/111

- sign 18.414 $\pm$ 31.054 χ^2 /NDF: 23.1/56

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 169.601 $\pm$ 0.031 χ^2 /NDF: 2132077.2/29

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 169.387 $\pm$ 0.031 χ^2 /NDF: 2835303.9/33

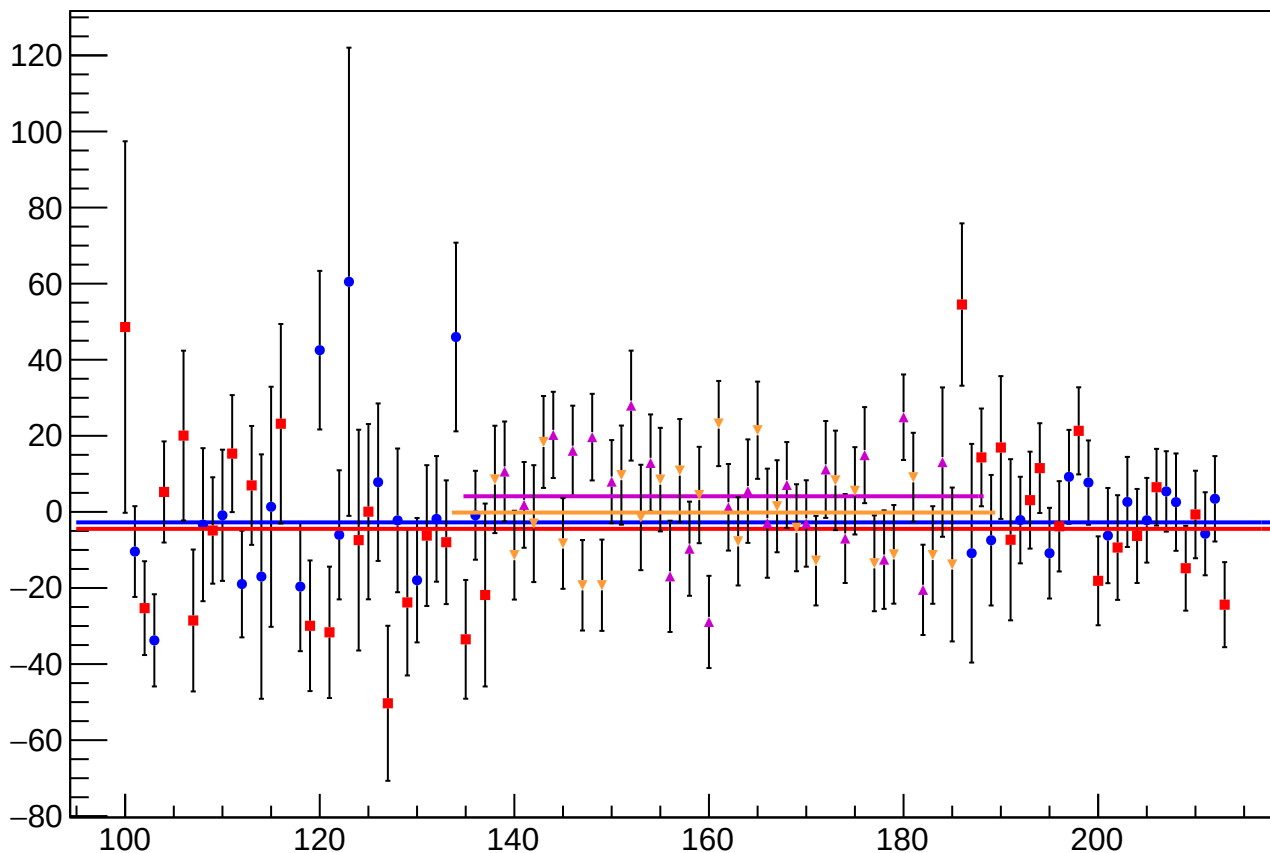
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 182.501 $\pm$ 0.023 χ^2 /NDF: 4285872.1/54

All: 177.951 $\pm$ 0.016 χ^2 /NDF: 8881642.1/111

- sign 173.795 $\pm$ 0.022 χ^2 /NDF: 4520731.3/56

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -2.754 ± 2.628 χ^2/NDF : 24.2/29

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -4.453 ± 2.549 χ^2/NDF : 50.8/33

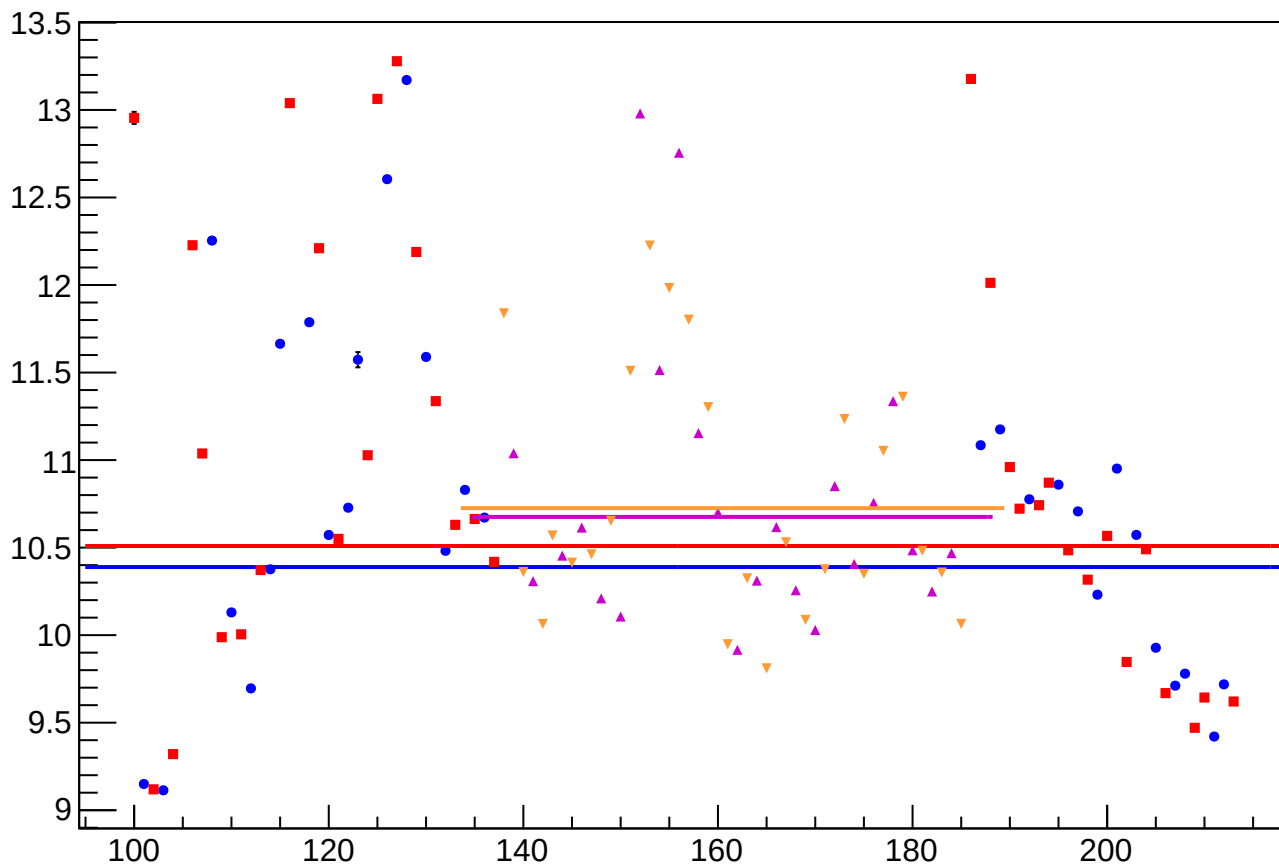
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -1.408 ± 1.819 χ^2/NDF : 49.1/54

All: -0.812 ± 1.284 χ^2/NDF : 137.2/111

- sign -0.220 ± 1.812 χ^2/NDF : 87.9/56

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.389 $\pm$ 0.002 χ^2 /NDF: 219859.6/29

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.509 $\pm$ 0.002 χ^2 /NDF: 308065.3/33

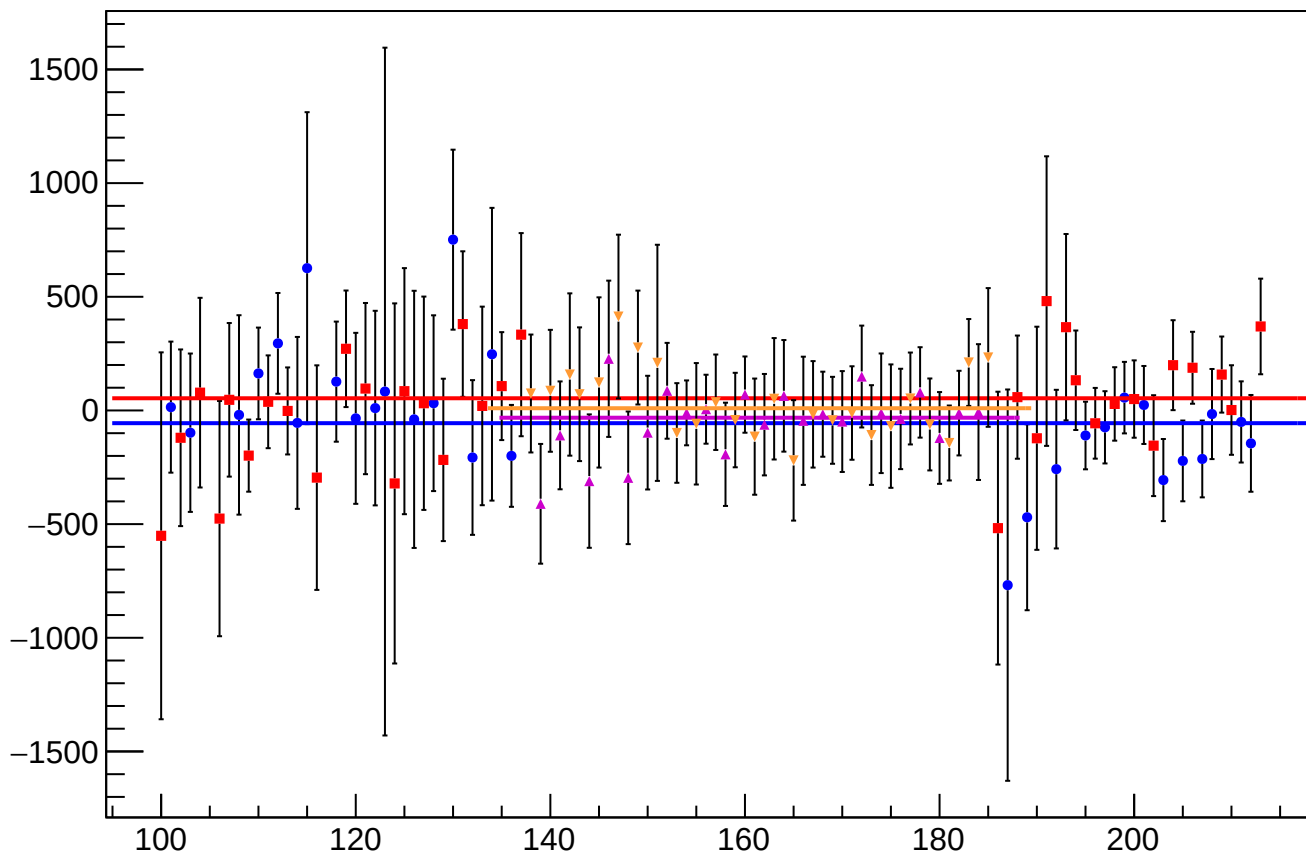
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.564 $\pm$ 0.001 χ^2 /NDF: 369107.2/54

All: 10.578 $\pm$ 0.001 χ^2 /NDF: 827538.0/111

- sign 10.591 $\pm$ 0.001 χ^2 /NDF: 458207.0/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -55.962 ± 44.498 χ^2/NDF : 17.1/29

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 53.606 ± 43.319 χ^2/NDF : 15.5/33

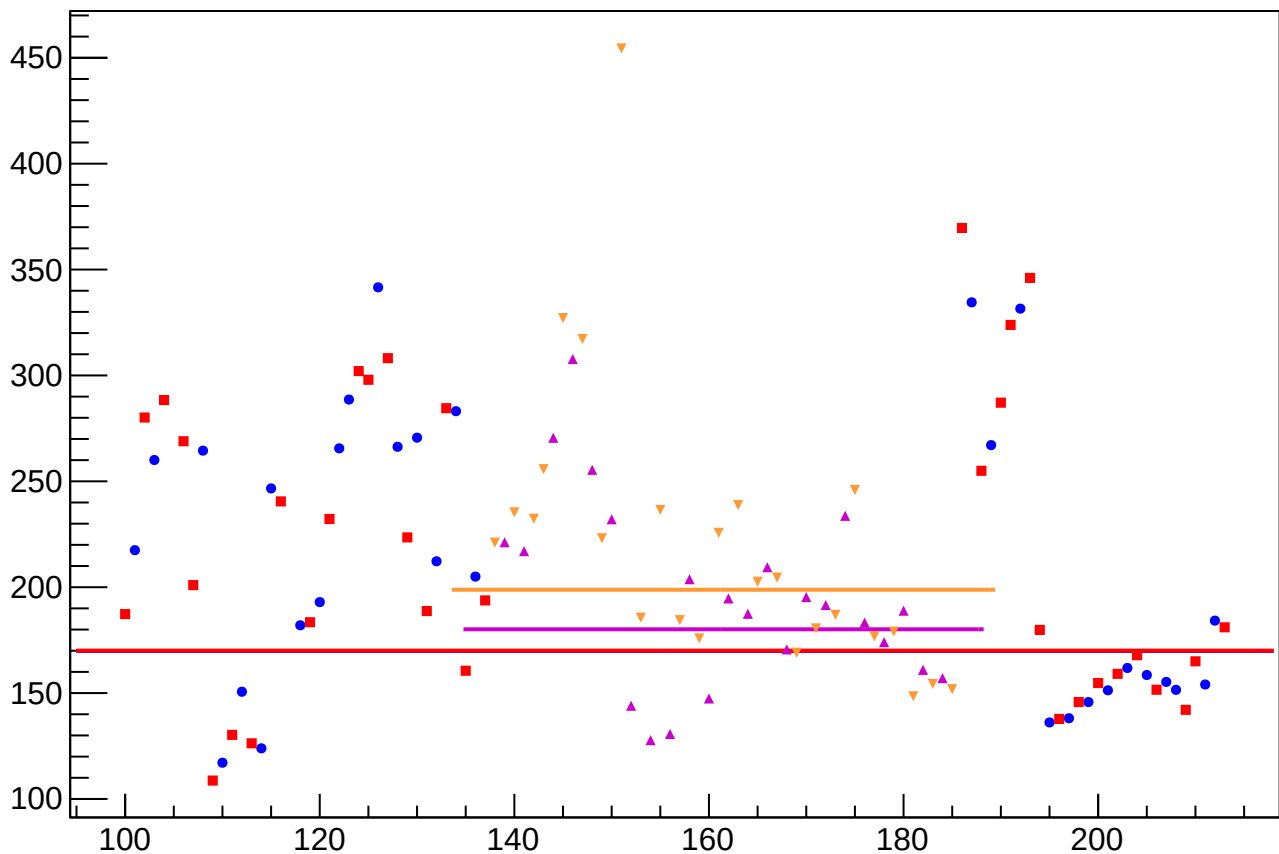
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -25.552 ± 32.626 χ^2/NDF : 25.7/54

All: -5.703 ± 22.557 χ^2/NDF : 51.0/111

- sign 12.474 ± 31.221 χ^2/NDF : 24.6/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.912 $\pm$ 0.031 χ^2 /NDF: 2130432.7/29

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF: 1763119.1/24

Right Out: 170.028 $\pm$ 0.031 χ^2 /NDF: 2794396.8/33

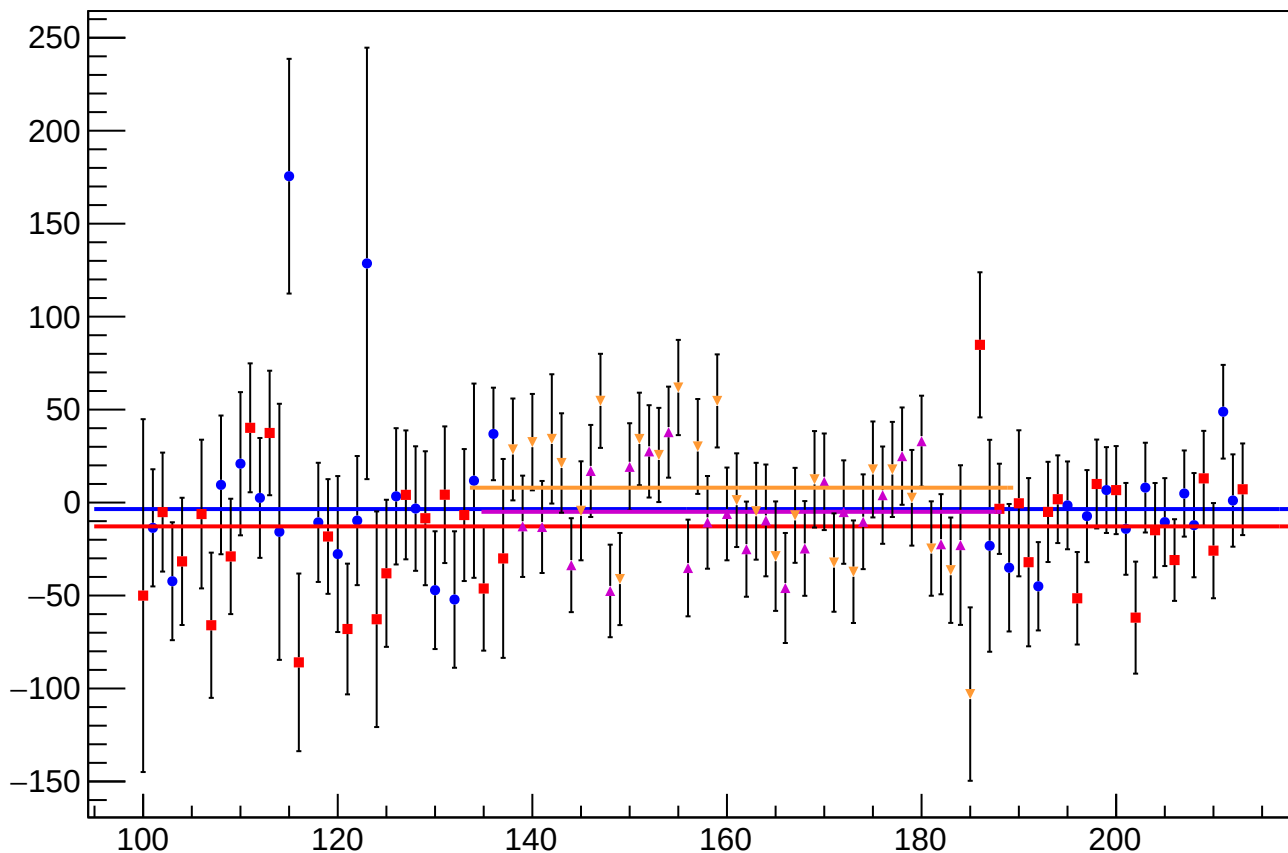
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF: 1593842.6/22

+ sign 183.270 $\pm$ 0.023 χ^2 /NDF: 4283333.4/54

All: 178.890 $\pm$ 0.016 χ^2 /NDF: 8792823.7/111

- sign 174.879 $\pm$ 0.022 χ^2 /NDF: 4440434.0/56

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.498 ± 5.562 χ^2/NDF : 27.7/29

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -12.813 ± 5.357 χ^2/NDF : 31.3/33

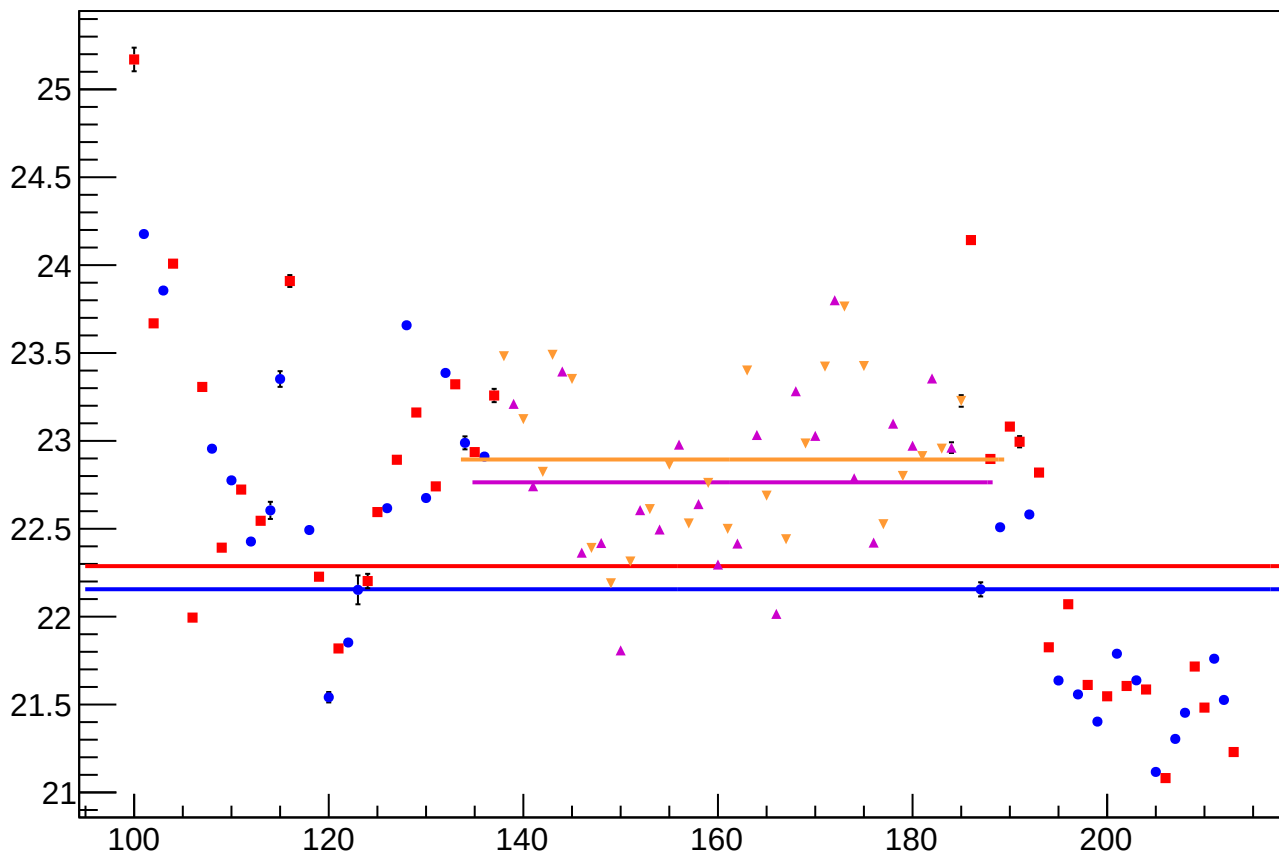
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 2.493 ± 3.847 χ^2/NDF : 67.3/54

All: -3.274 ± 2.710 χ^2/NDF : 124.6/111

- sign -8.956 ± 3.818 χ^2/NDF : 52.8/56

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.156 $\pm$ 0.004 χ^2 /NDF: 42714.0/29

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.287 $\pm$ 0.004 χ^2 /NDF: 48137.5/33

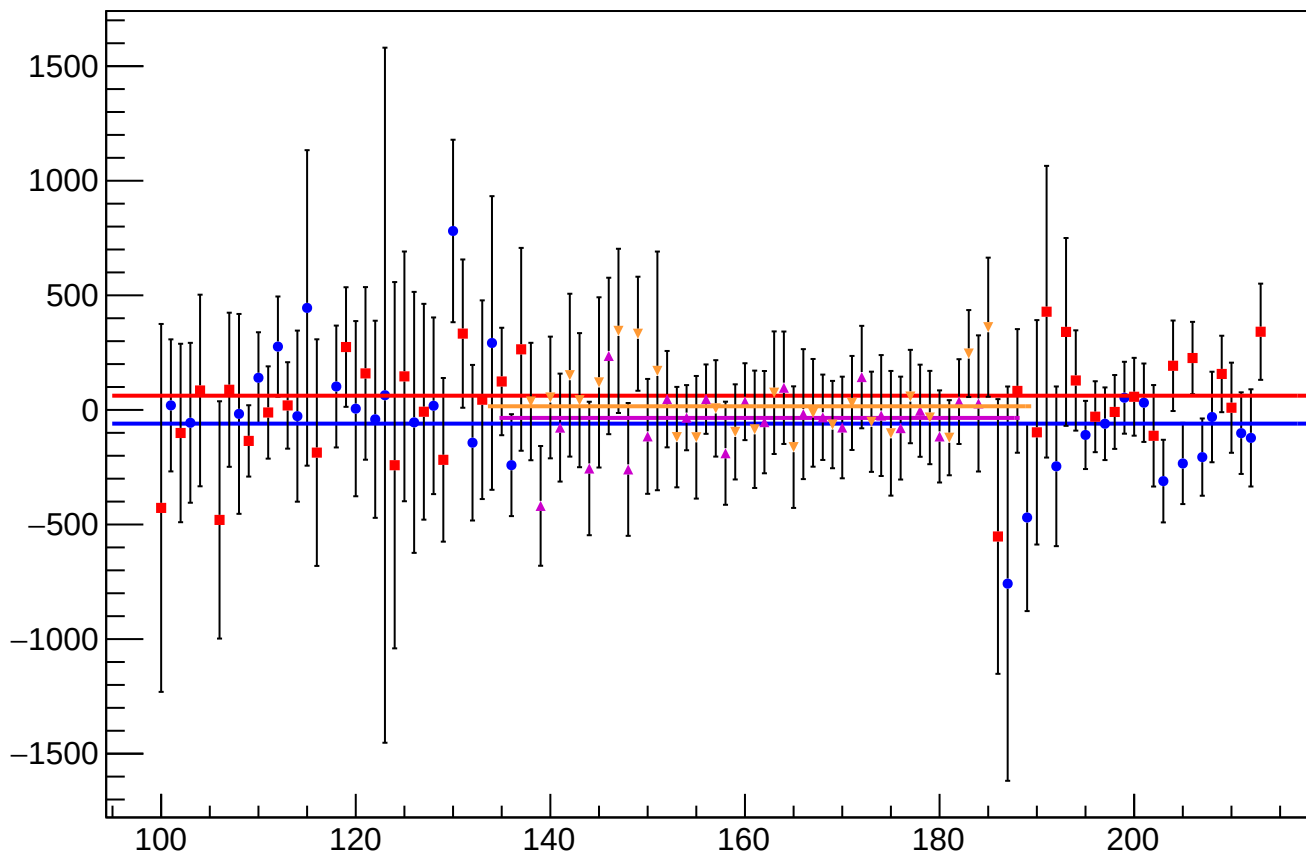
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.541 $\pm$ 0.003 χ^2 /NDF: 74158.5/54

All: 22.531 $\pm$ 0.002 χ^2 /NDF: 144780.1/111

- sign 22.522 $\pm$ 0.003 χ^2 /NDF: 70597.3/56

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -59.829 ± 44.367 χ^2/NDF : 16.6/29

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 62.073 ± 43.137 χ^2/NDF : 13.1/33

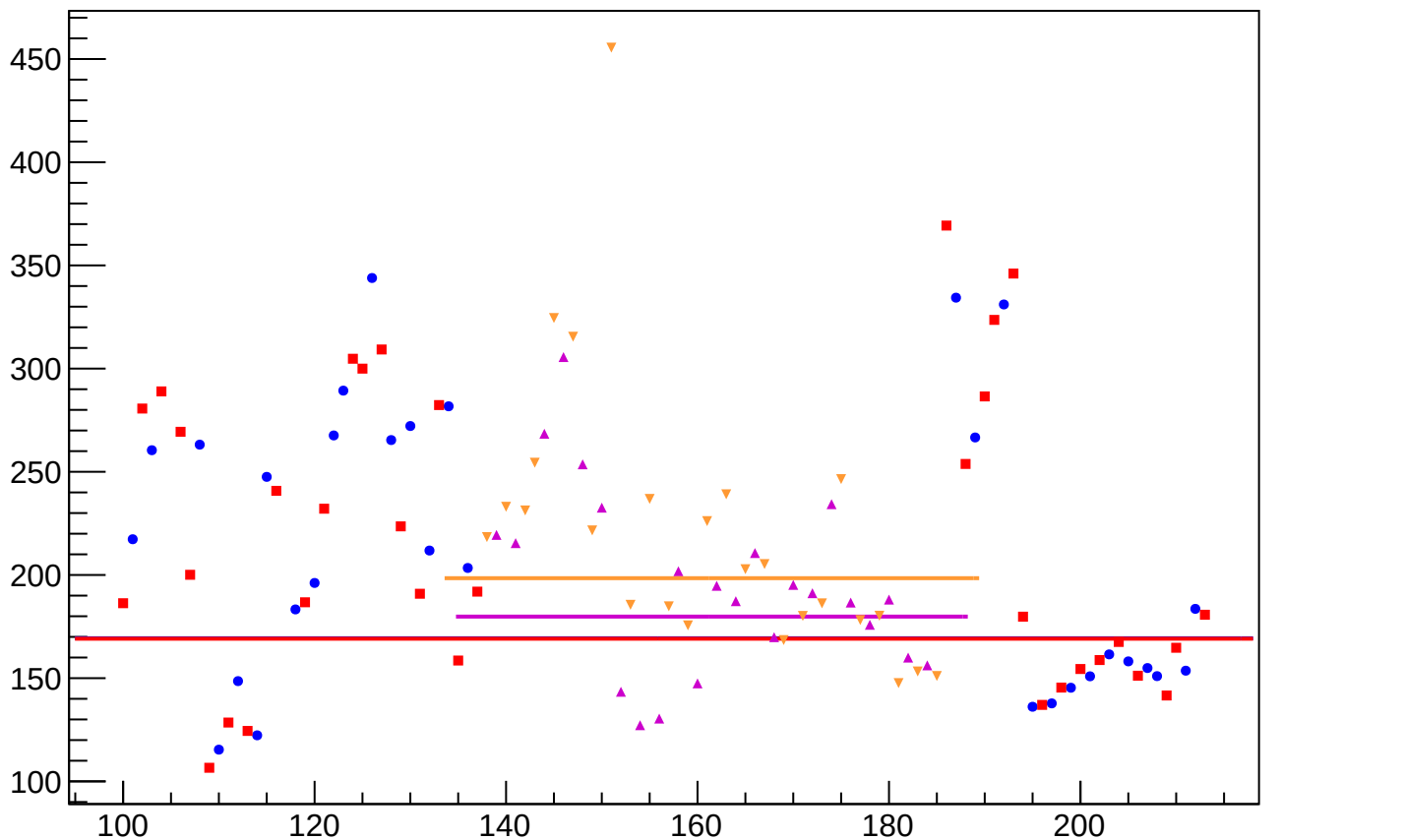
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign -24.857 ± 32.549 χ^2/NDF : 26.4/54

All: -3.730 ± 22.497 χ^2/NDF : 49.3/111

- sign 15.595 ± 31.131 χ^2/NDF : 22.1/56

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.338 $\pm$ 0.031 χ^2 /NDF: 2160580.1/29

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF:1761433.9/24

Right Out: 169.121 $\pm$ 0.031 χ^2 /NDF: 2862538.5/33

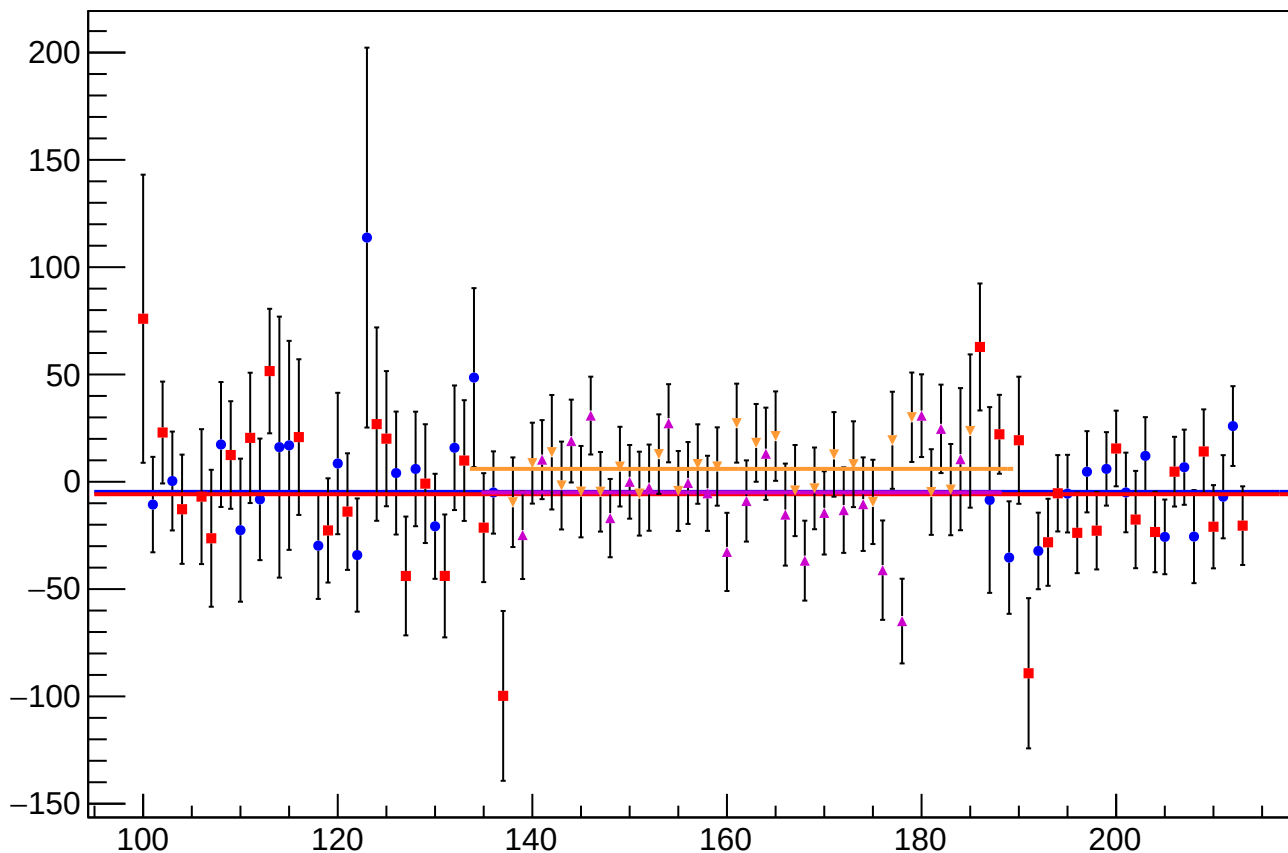
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 182.782 $\pm$ 0.023 χ^2 /NDF: 4319635.7/54

All: 178.329 $\pm$ 0.016 χ^2 /NDF: 8901825.1/111

- sign 174.257 $\pm$ 0.022 χ^2 /NDF: 4510542.4/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.702 ± 4.247 χ^2/NDF : 19.1/29

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -5.788 ± 4.097 χ^2/NDF : 43.4/33

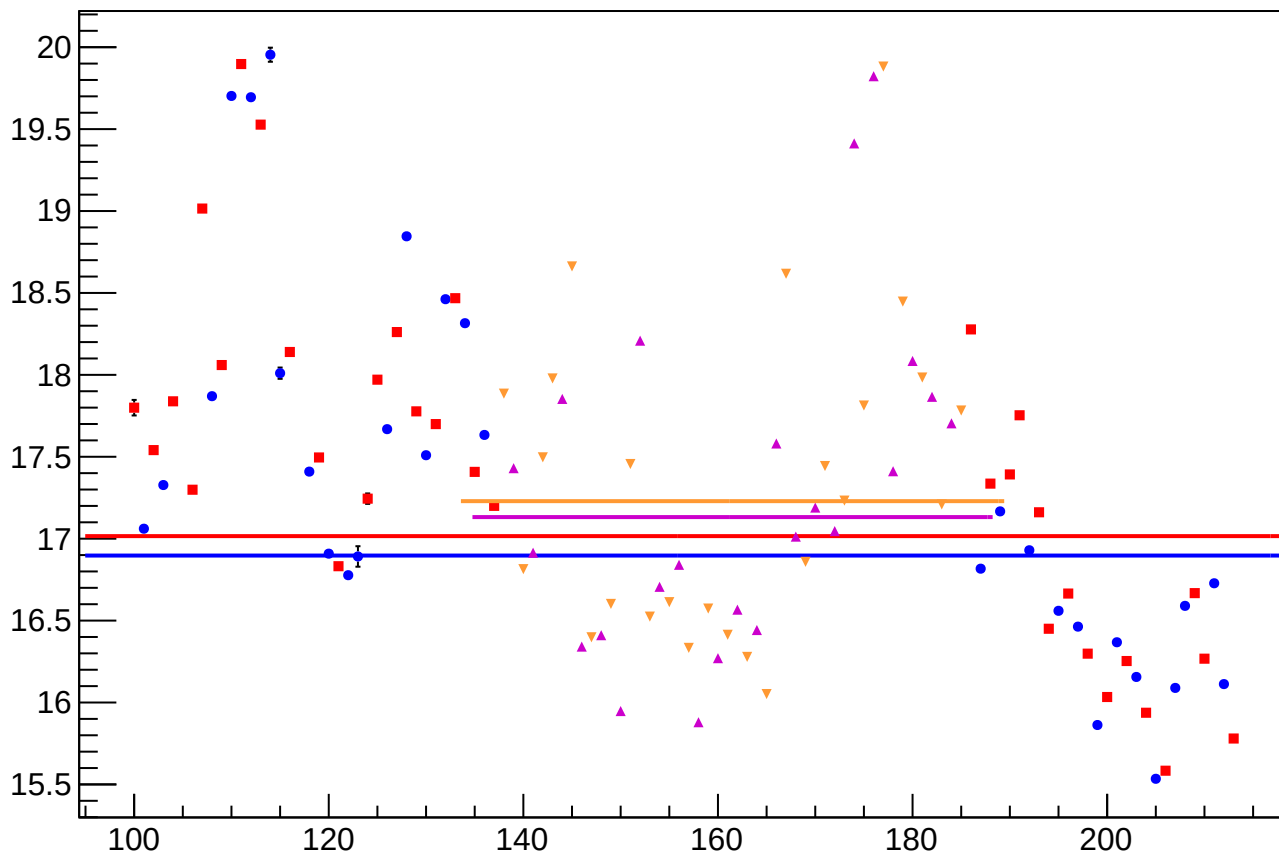
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 0.957 ± 2.919 χ^2/NDF : 30.7/54

All: -2.224 ± 2.057 χ^2/NDF : 111.3/111

- sign -5.367 ± 2.901 χ^2/NDF : 78.2/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.897 $\pm$ 0.003 χ^2 /NDF: 103098.0/29

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF:98624.7/24

Right Out: 17.016 $\pm$ 0.003 χ^2 /NDF: 119833.8/33

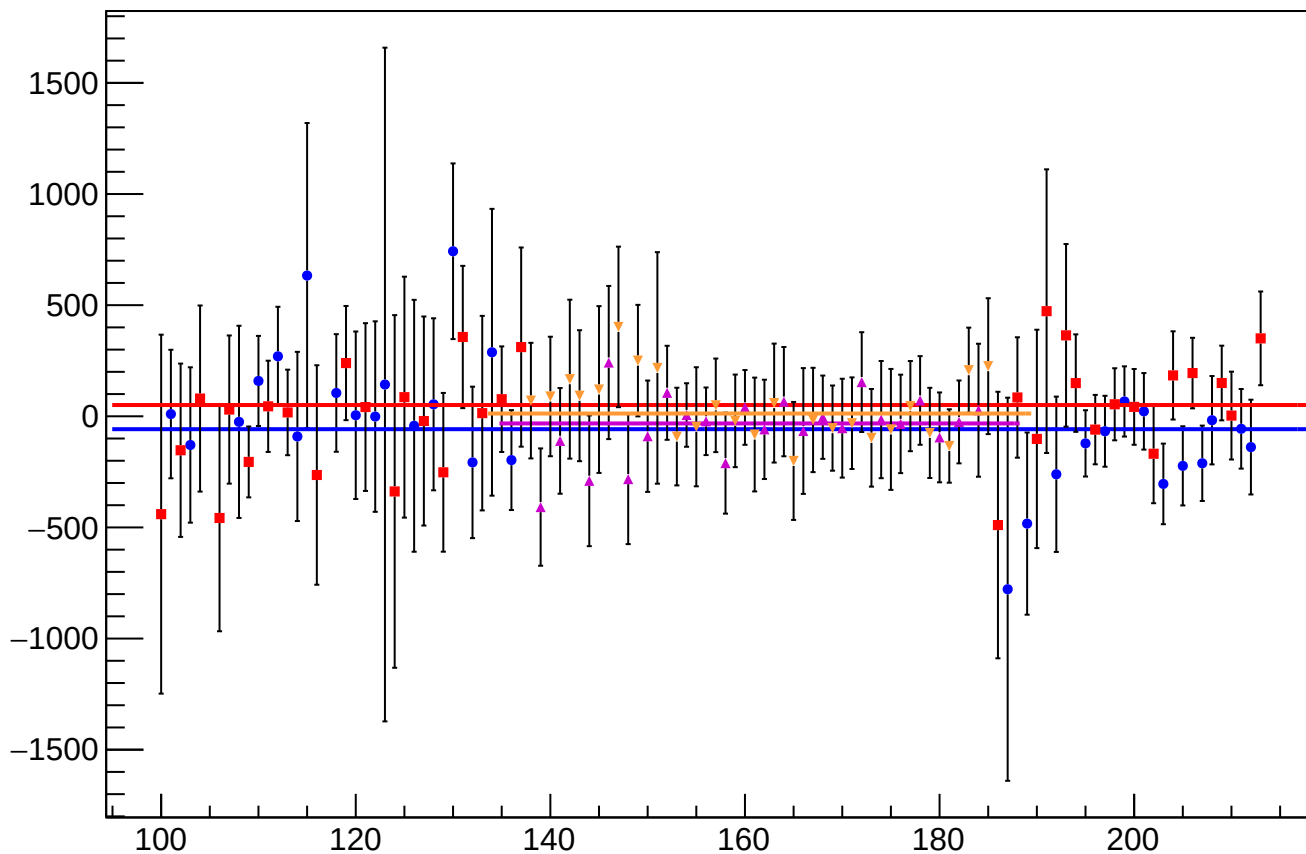
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF:103997.3/22

+ sign 17.072 $\pm$ 0.002 χ^2 /NDF: 208176.3/54

All: 17.073 $\pm$ 0.001 χ^2 /NDF: 432810.1/111

- sign 17.074 $\pm$ 0.002 χ^2 /NDF: 224633.6/56

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.992 ± 44.630 χ^2/NDF : 16.8/29

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 50.677 ± 43.433 χ^2/NDF : 14.8/33

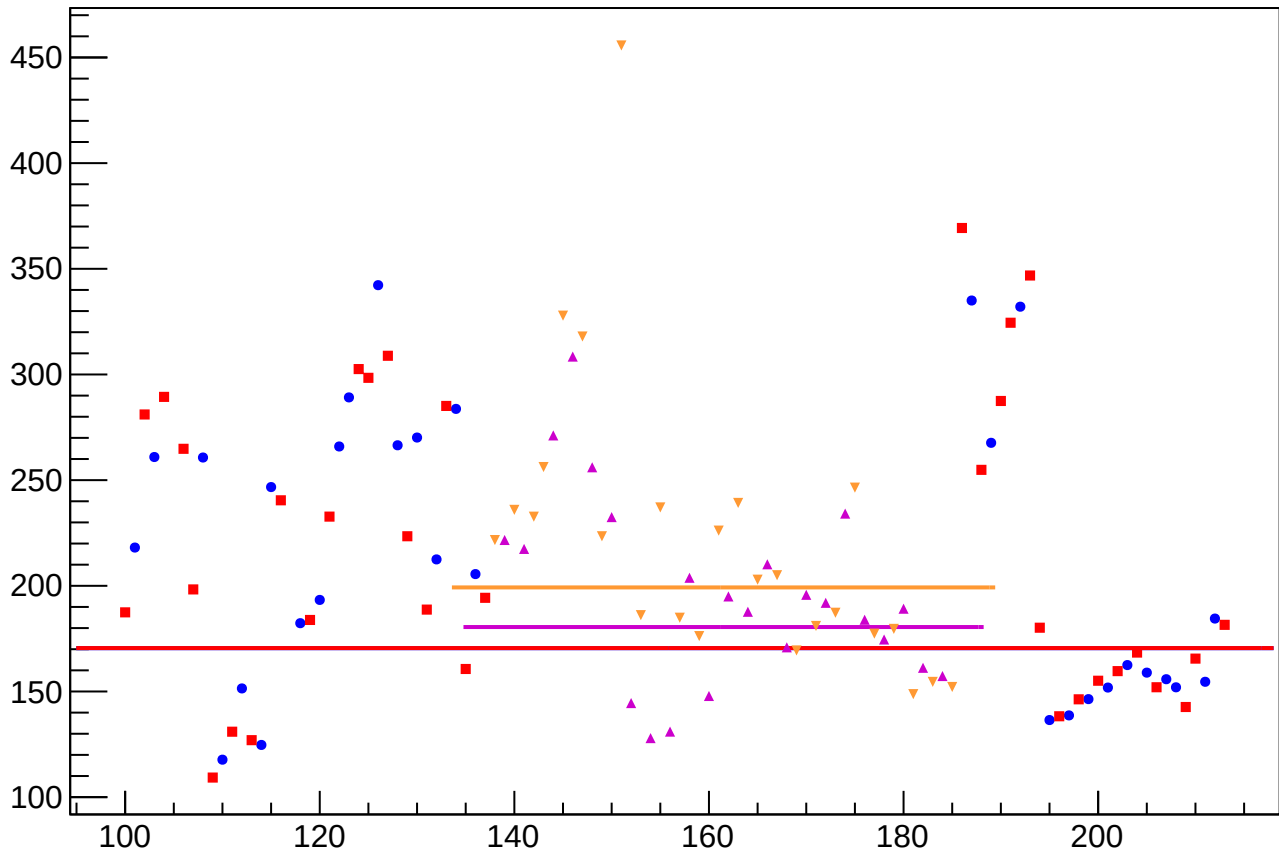
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign -25.382 ± 32.712 χ^2/NDF : 24.8/54

All: -6.466 ± 22.613 χ^2/NDF : 48.9/111

- sign 10.846 ± 31.295 χ^2/NDF : 23.5/56

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.470 $\pm$ 0.032 χ^2/NDF : 2112079.6/29

Left Out: 199.241 $\pm$ 0.034 χ^2/NDF : 1764097.7/24

Right Out: 170.541 $\pm$ 0.031 χ^2/NDF : 2769712.8/33

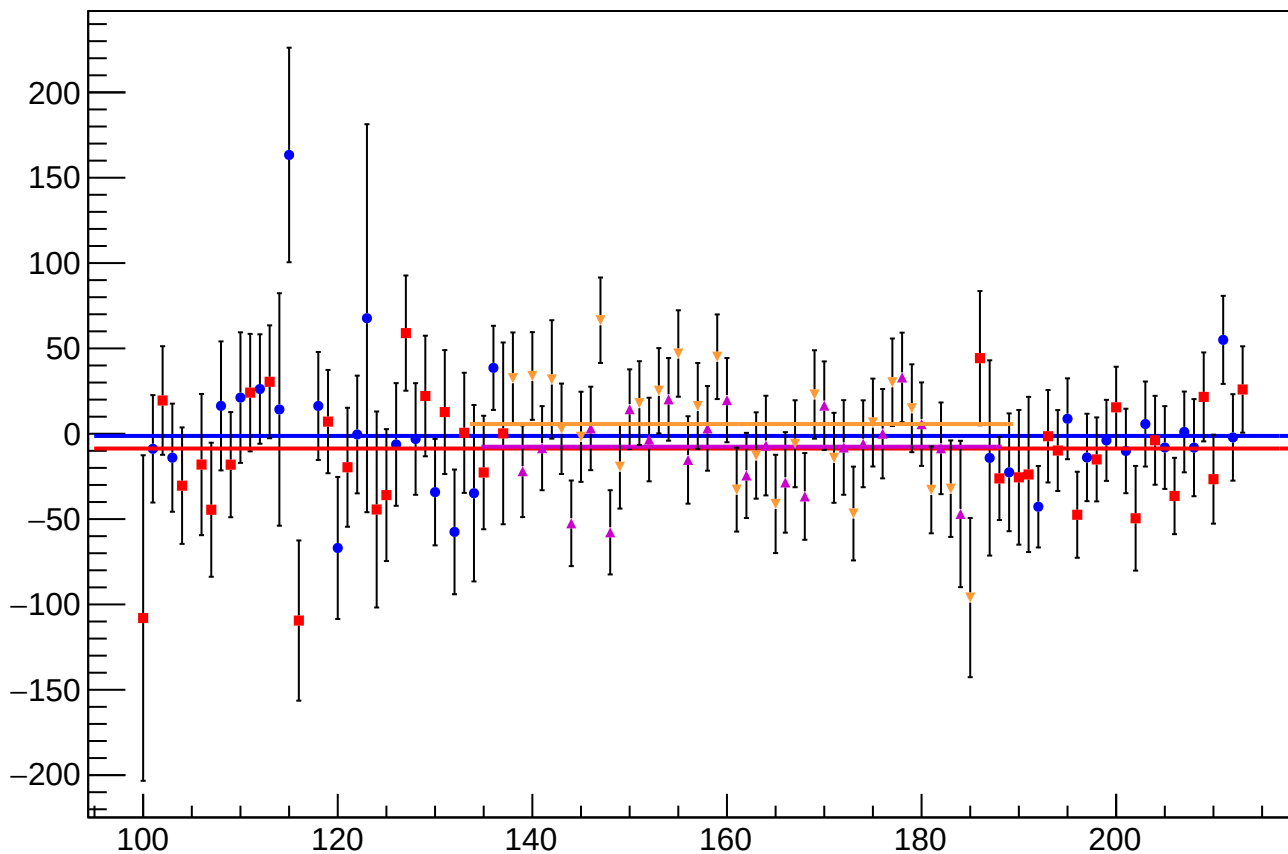
Left In: 180.494 $\pm$ 0.032 χ^2/NDF : 1593784.1/22

+ sign 183.784 $\pm$ 0.023 χ^2/NDF : 4260837.5/54

All: 179.368 $\pm$ 0.016 χ^2/NDF : 8744631.0/111

- sign 175.327 $\pm$ 0.022 χ^2/NDF : 4413989.5/56

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.278 ± 5.603 $\chi^2/\text{NDF}: 27.1/29$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -8.659 ± 5.384 $\chi^2/\text{NDF}: 30.0/33$

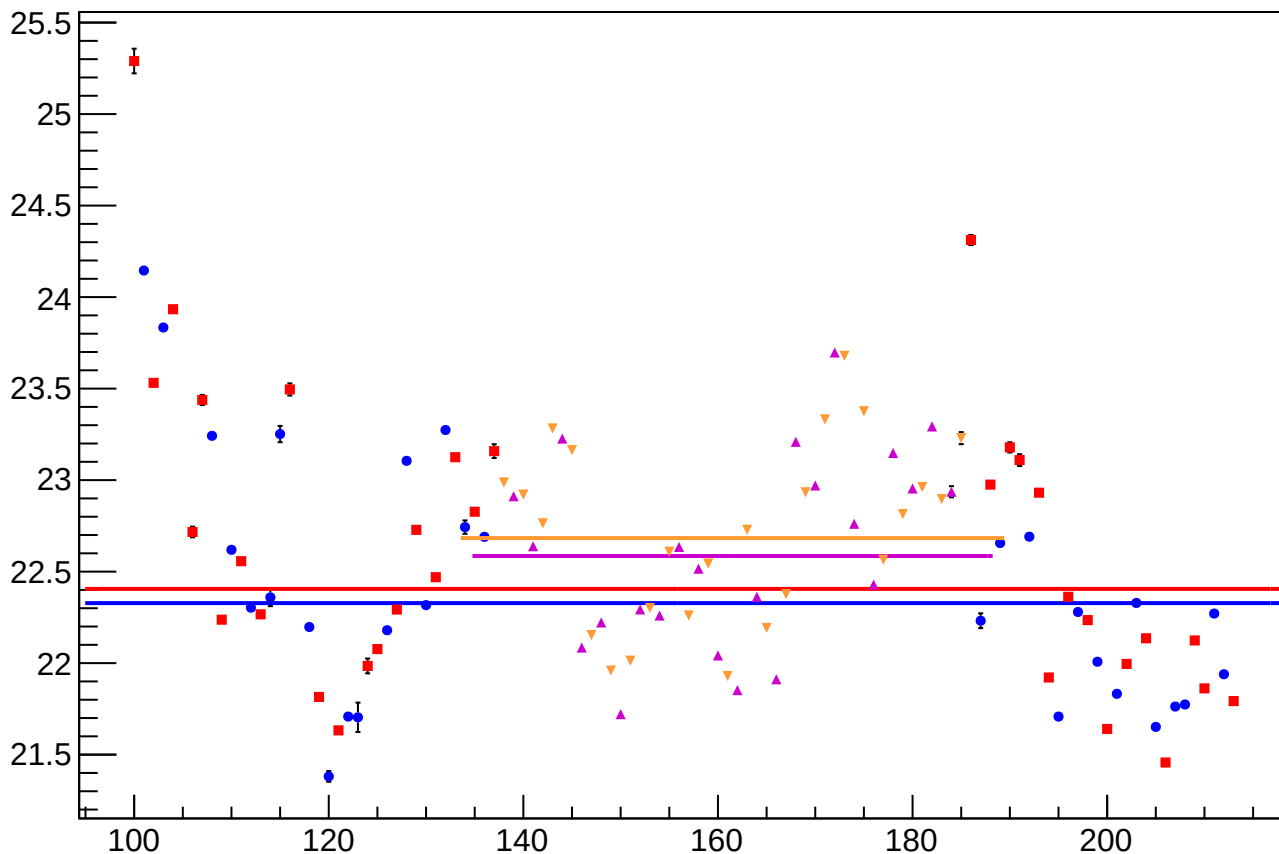
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 2.405 ± 3.842 $\chi^2/\text{NDF}: 64.4/54$

All: -2.901 ± 2.706 $\chi^2/\text{NDF}: 116.5/111$

- sign -8.128 ± 3.813 $\chi^2/\text{NDF}: 48.4/56$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.328+/-0.004 χ^2/NDF : 24882.7/29

Left Out: 22.683+/-0.004 χ^2/NDF : 16318.1/24

Right Out: 22.406+/-0.004 χ^2/NDF : 32066.3/33

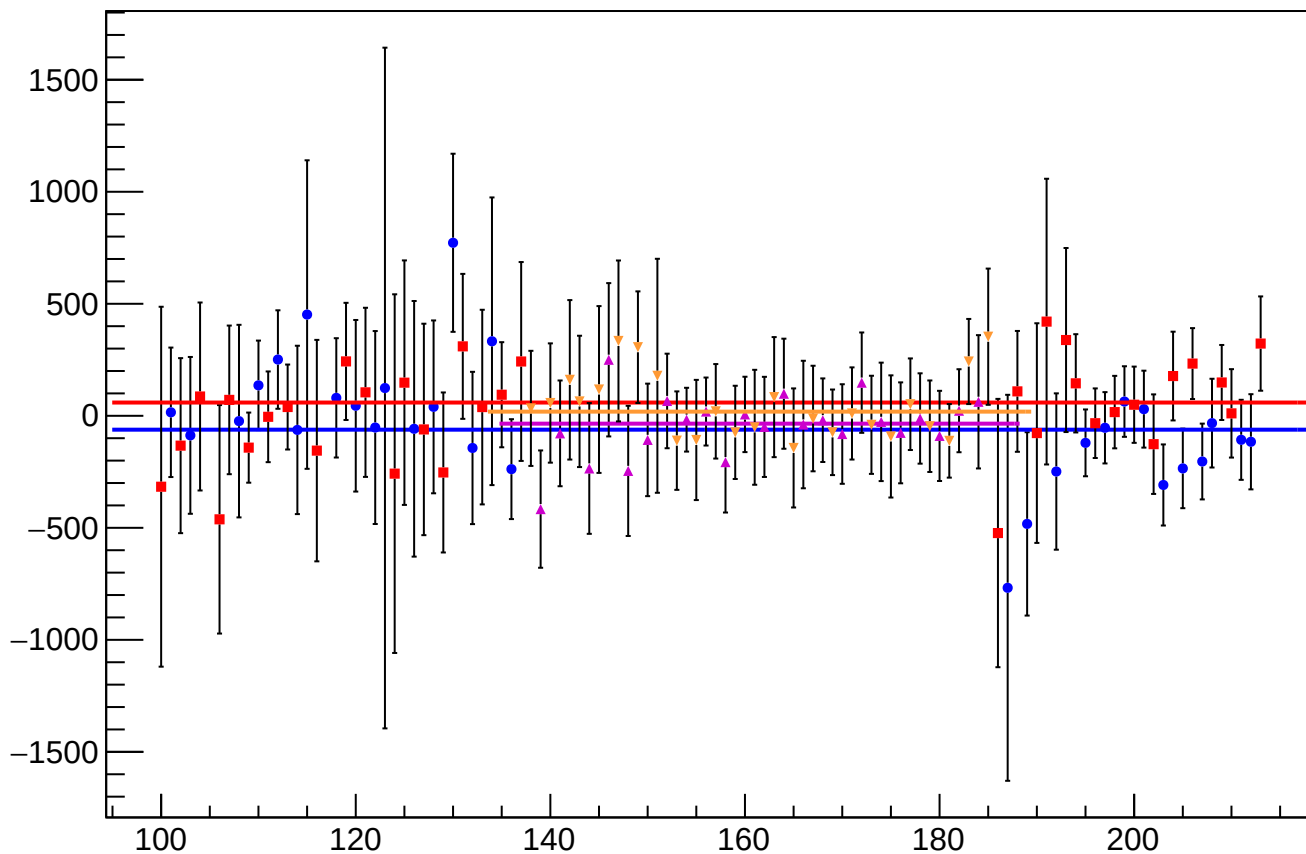
Left In: 22.585+/-0.004 χ^2/NDF : 18087.5/22

+ sign 22.516+/-0.003 χ^2/NDF : 45466.4/54

All: 22.506+/-0.002 χ^2/NDF : 96760.6/111

- sign 22.495+/-0.003 χ^2/NDF : 51263.6/56

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -61.931 ± 44.501 χ^2/NDF : 16.3/29

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 59.201 ± 43.252 χ^2/NDF : 12.4/33

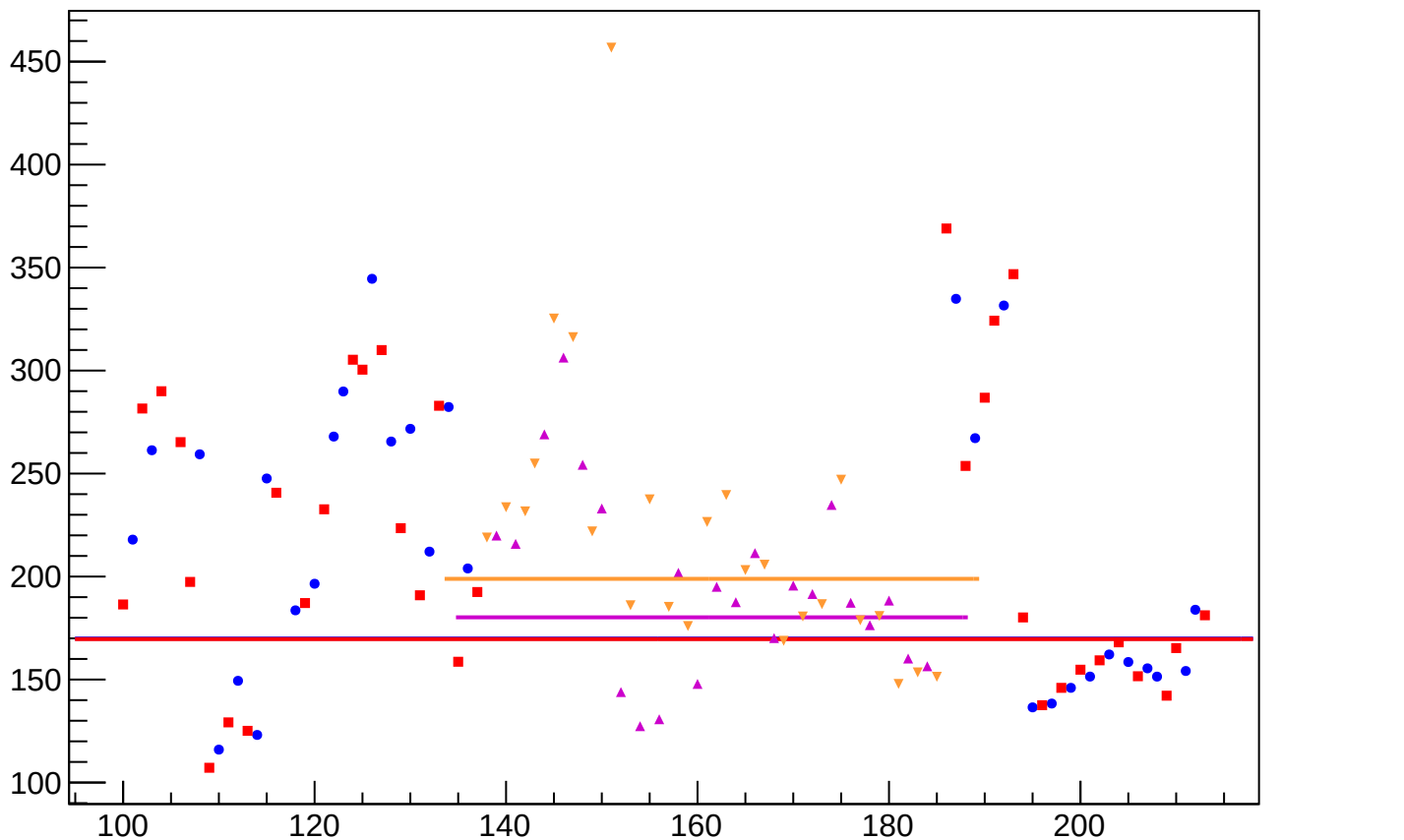
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -24.698 ± 32.636 χ^2/NDF : 25.4/54

All: -4.477 ± 22.554 χ^2/NDF : 47.1/111

- sign 14.009 ± 31.205 χ^2/NDF : 20.9/56

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 169.901 $\pm$ 0.031 χ^2 /NDF: 2141646.4/29

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 169.641 $\pm$ 0.031 χ^2 /NDF: 2836948.8/33

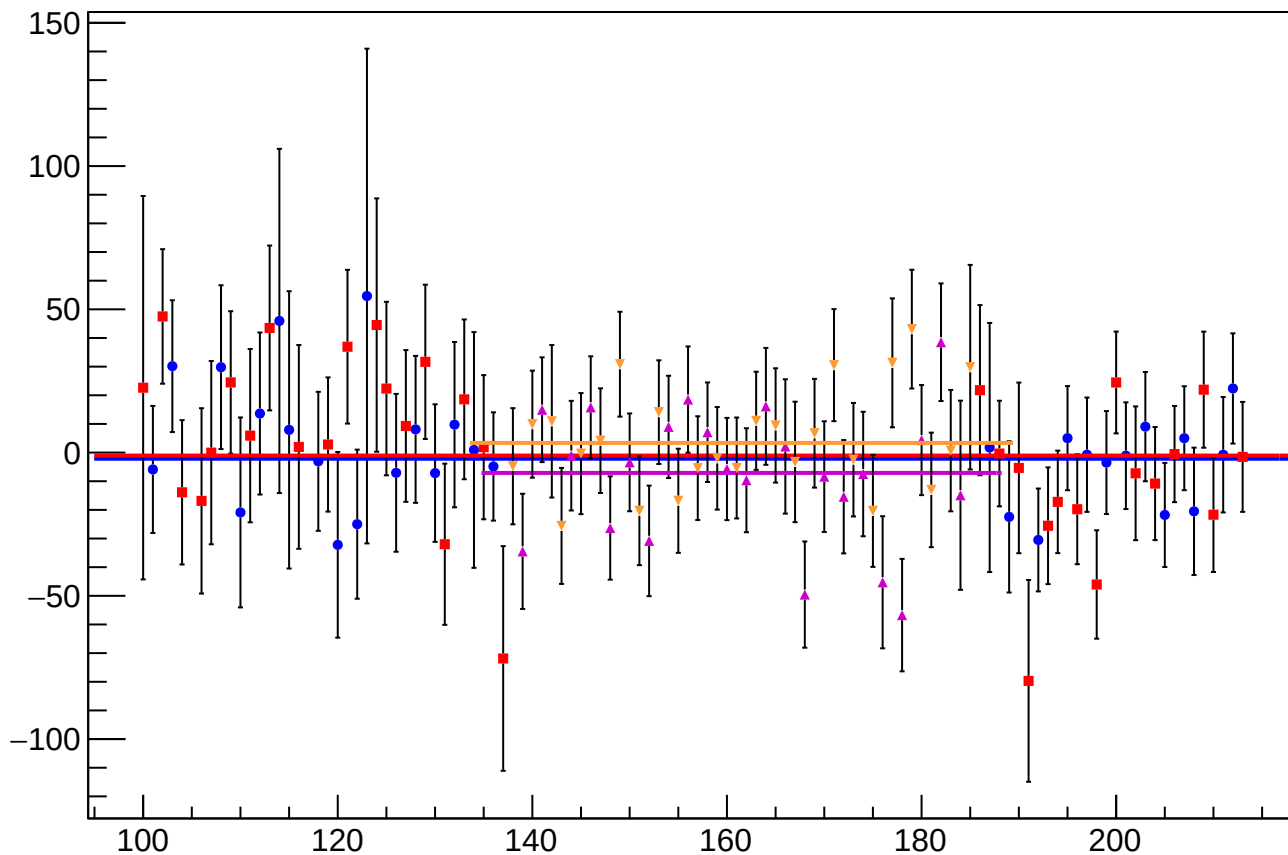
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 183.299 $\pm$ 0.023 χ^2 /NDF: 4296370.9/54

All: 178.811 $\pm$ 0.016 χ^2 /NDF: 8851970.2/111

- sign 174.707 $\pm$ 0.022 χ^2 /NDF: 4483191.0/56

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.139 ± 4.302 χ^2/NDF : 14.3/29

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -1.035 ± 4.135 χ^2/NDF : 37.9/33

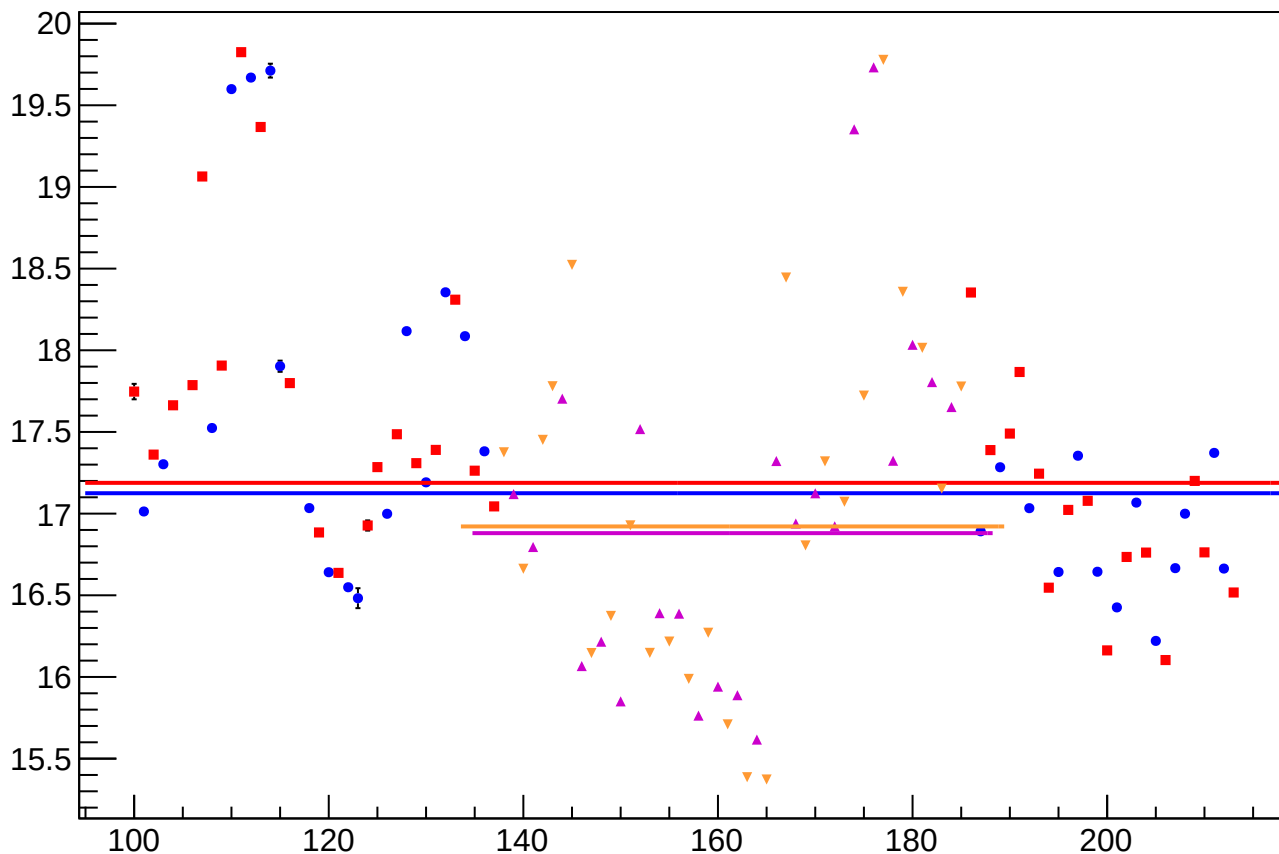
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 0.853 ± 2.908 χ^2/NDF : 34.0/54

All: -1.653 ± 2.051 χ^2/NDF : 107.0/111

- sign -4.132 ± 2.892 χ^2/NDF : 71.5/56

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.125 $\pm$ 0.003 χ^2 /NDF: 55696.8/29

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.188 $\pm$ 0.003 χ^2 /NDF: 69525.3/33

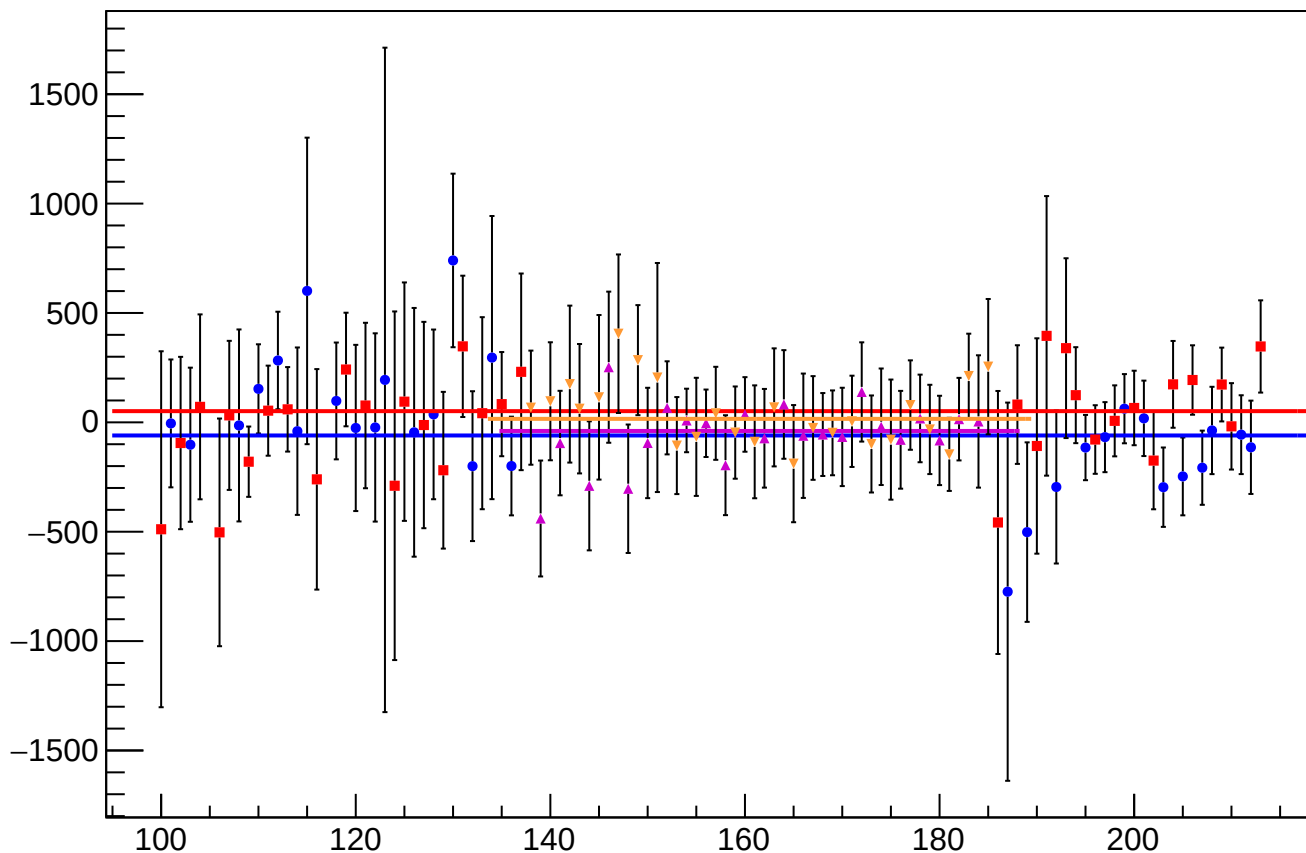
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.014 $\pm$ 0.002 χ^2 /NDF: 197115.5/54

All: 17.023 $\pm$ 0.001 χ^2 /NDF: 394074.9/111

- sign 17.031 $\pm$ 0.002 χ^2 /NDF: 196926.4/56

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -60.020 ± 44.761 χ^2/NDF : 16.7/29

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 51.197 ± 43.572 χ^2/NDF : 13.8/33

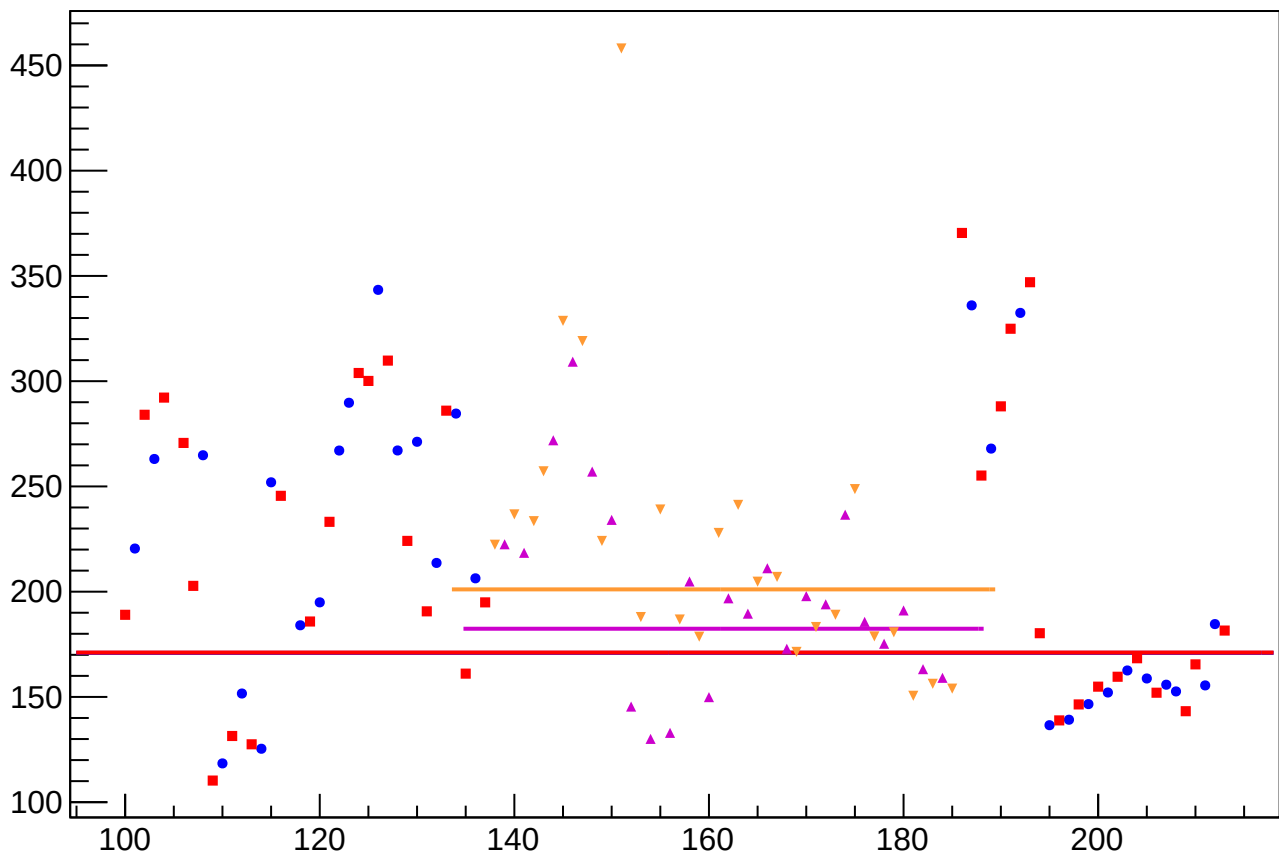
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -25.069 ± 32.894 χ^2/NDF : 25.4/54

All: -7.846 ± 22.748 χ^2/NDF : 48.7/111

- sign 7.940 ± 31.493 χ^2/NDF : 22.8/56

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 170.939+/-0.032 χ^2/NDF : 2126644.2/29

Left Out: 201.091+/-0.034 χ^2/NDF :1731069.1/24

Right Out: 171.085+/-0.031 χ^2/NDF : 2779945.8/33

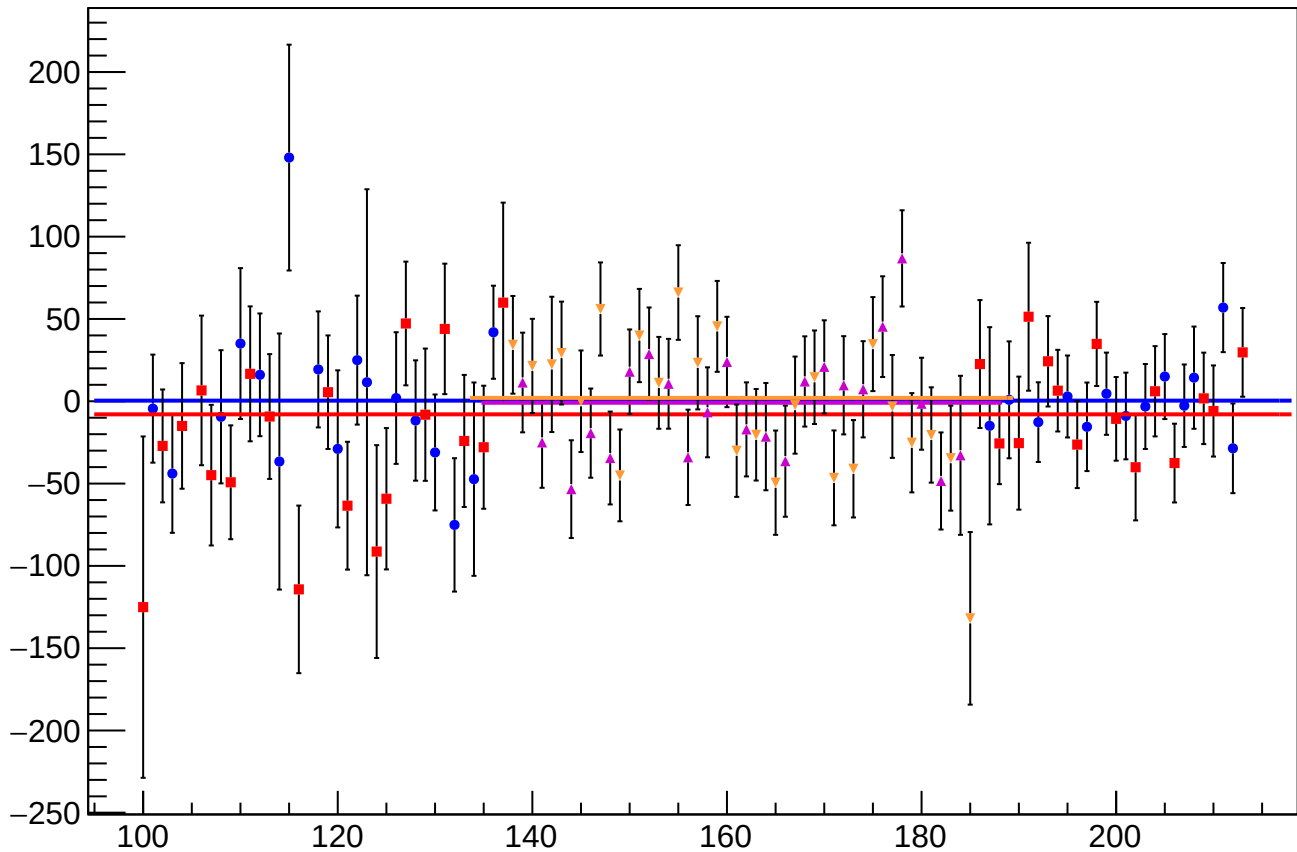
Left In: 182.396+/-0.032 χ^2/NDF :1548907.7/22

+ sign 184.807+/-0.023 χ^2/NDF : 4275133.5/54

All: 180.466+/-0.016 χ^2/NDF : 8735109.6/111

- sign 176.487+/-0.022 χ^2/NDF : 4393219.6/56

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.379 ± 6.047 χ^2/NDF : 22.4/29

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -7.947 ± 5.781 χ^2/NDF : 32.4/33

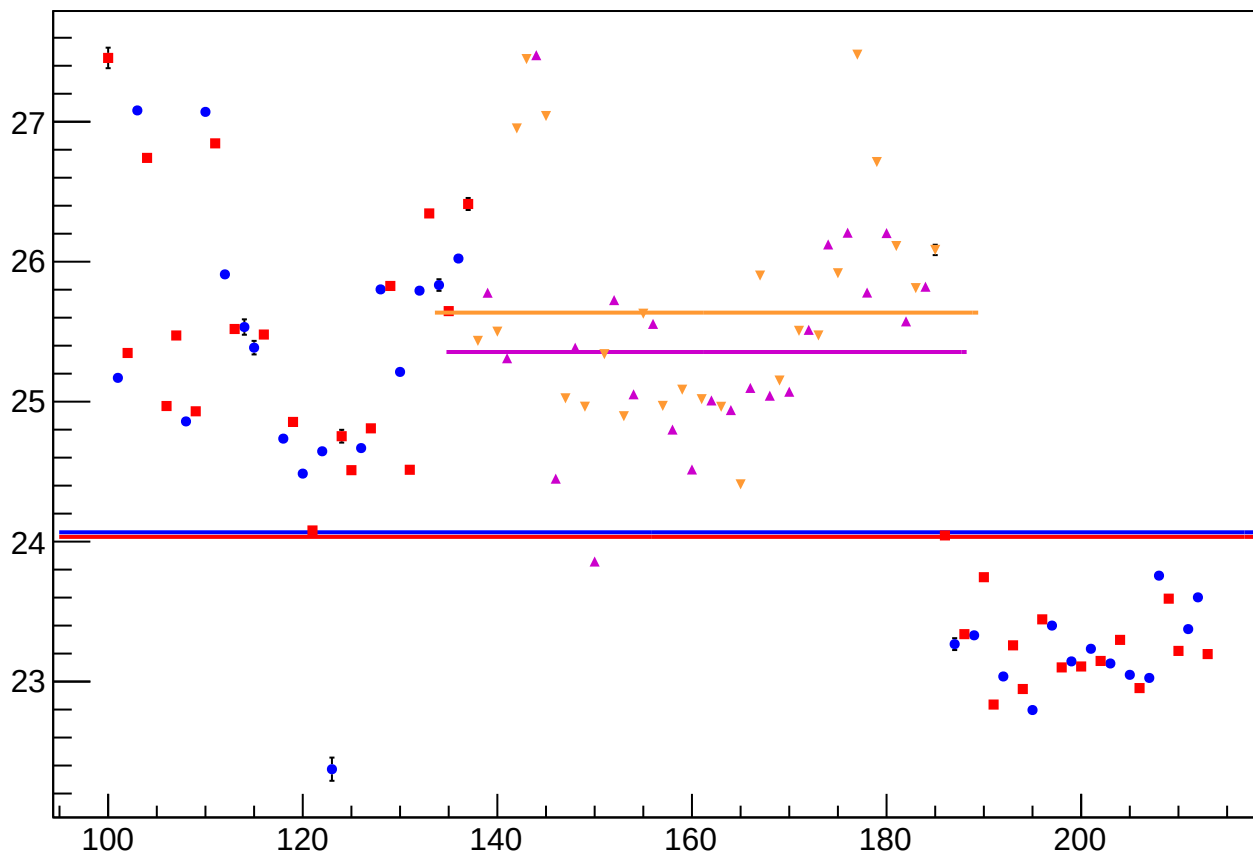
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 1.227 ± 4.248 χ^2/NDF : 61.9/54

All: -1.727 ± 2.982 χ^2/NDF : 123.0/111

- sign -4.595 ± 4.186 χ^2/NDF : 60.2/56

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.067 $\pm$ 0.004 χ^2 /NDF: 83081.8/29

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.034 $\pm$ 0.004 χ^2 /NDF: 79985.9/33

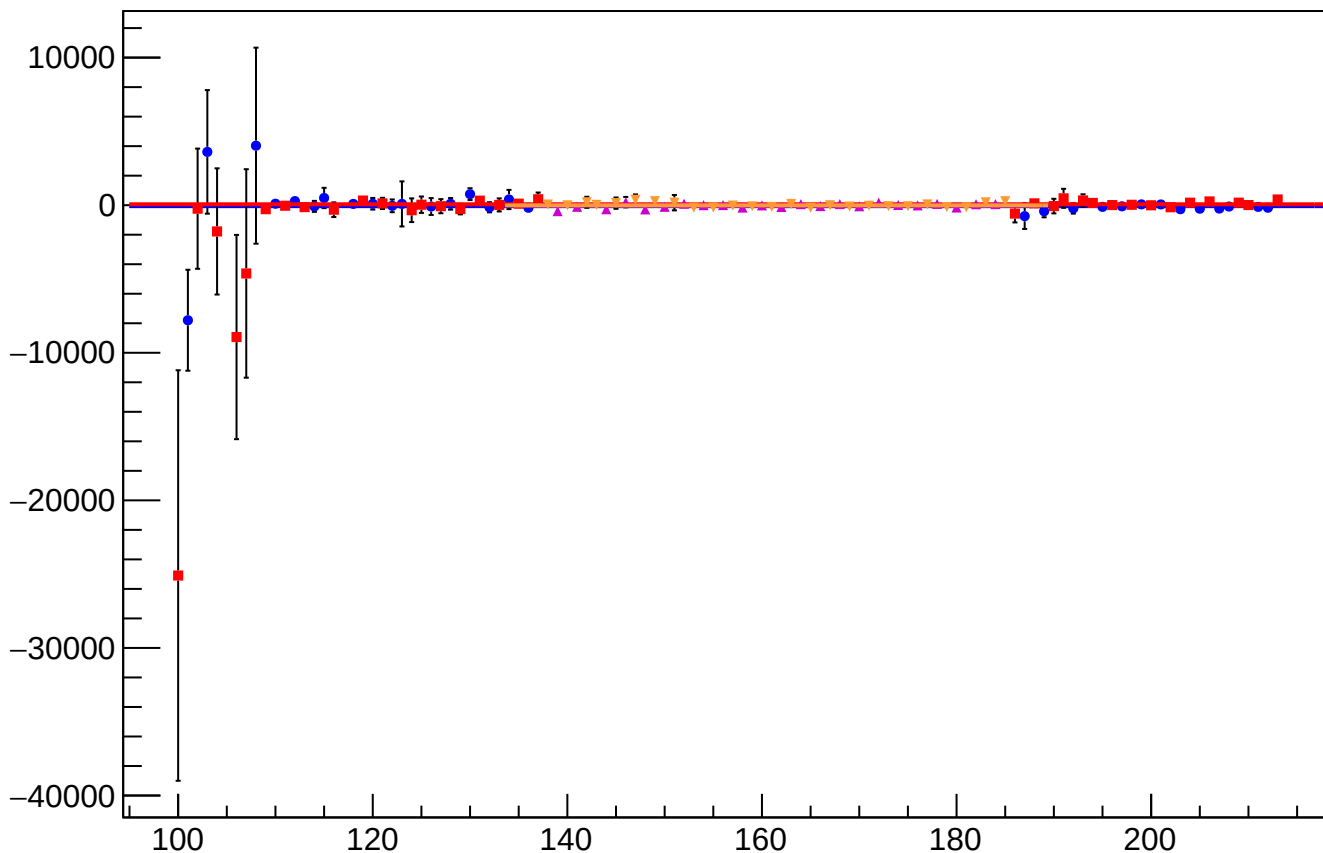
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 24.861 $\pm$ 0.003 χ^2 /NDF: 186442.6/54

All: 24.760 $\pm$ 0.002 χ^2 /NDF: 348099.6/111

- sign 24.662 $\pm$ 0.003 χ^2 /NDF: 159425.0/56

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -64.917 ± 46.763 χ^2/NDF : 21.5/29

Left Out: -12.820 ± 48.216 χ^2/NDF : 7.9/24

Right Out: 62.023 ± 46.209 χ^2/NDF : 20.7/33

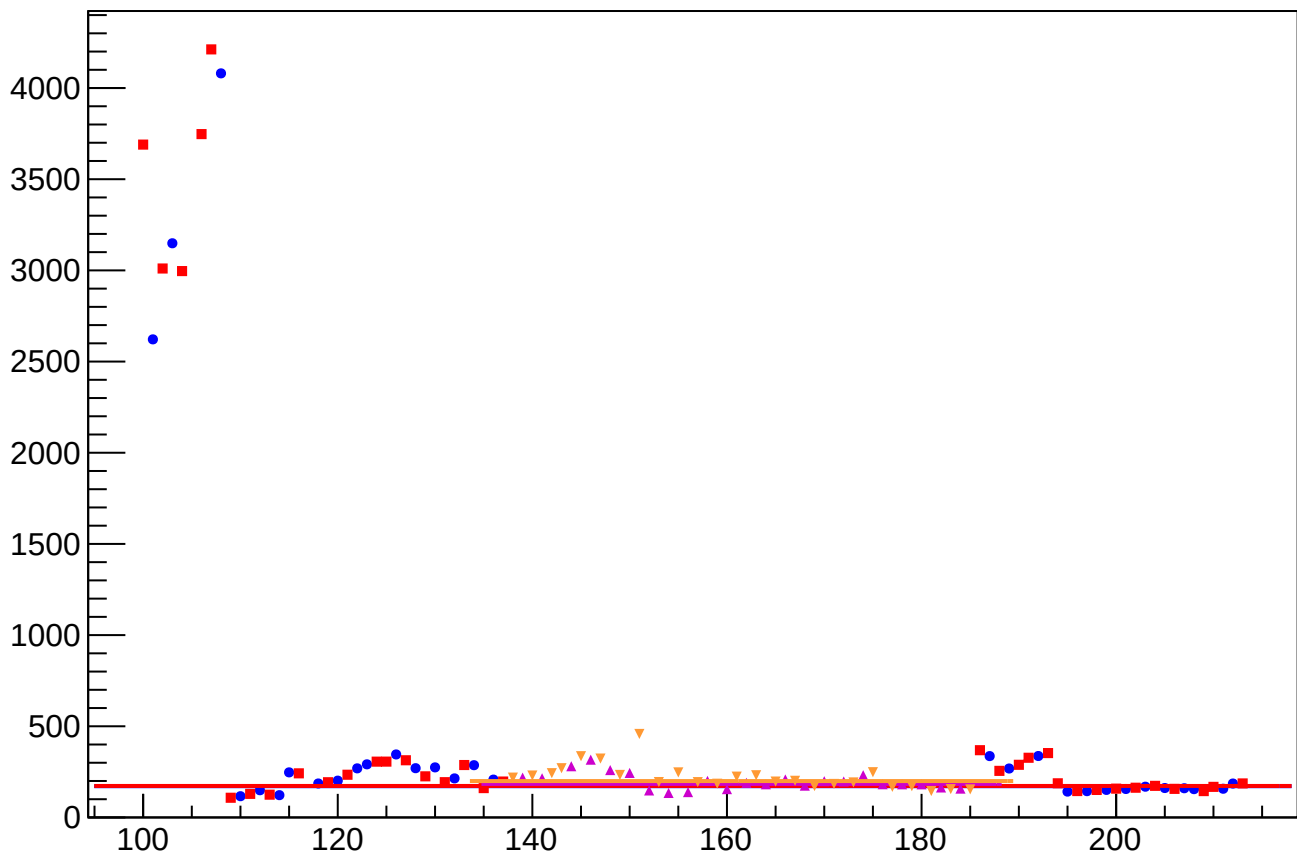
Left In: -26.836 ± 45.876 χ^2/NDF : 7.5/22

+ sign -39.666 ± 33.568 χ^2/NDF : 29.9/54

All: -10.326 ± 23.370 χ^2/NDF : 61.4/111

- sign 17.272 ± 32.556 χ^2/NDF : 30.0/56

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.368 $\pm$ 0.033 χ^2 /NDF: 4521279.7/29

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 172.728 $\pm$ 0.033 χ^2 /NDF: 5402480.1/33

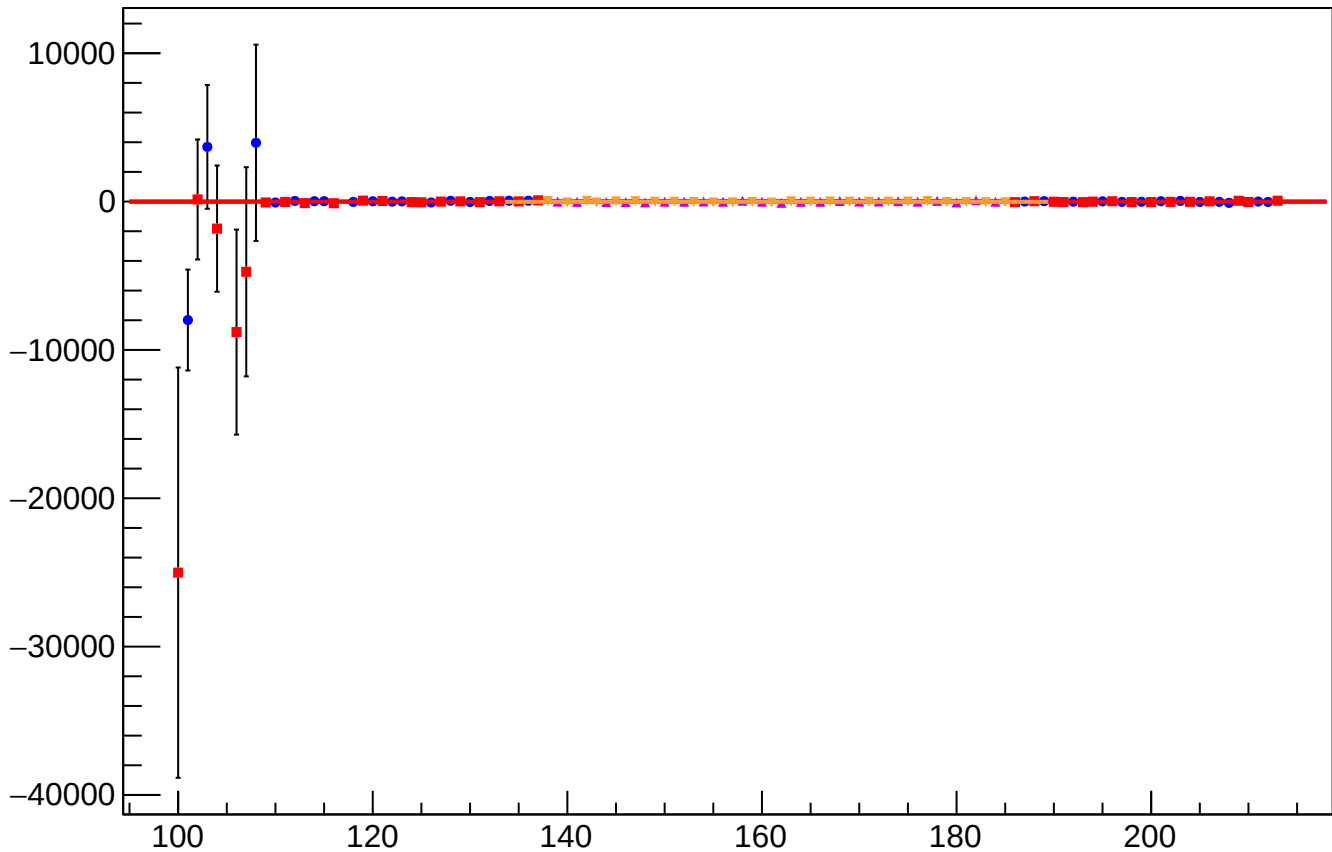
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 185.021 $\pm$ 0.024 χ^2 /NDF: 6753555.3/54

All: 181.620 $\pm$ 0.017 χ^2 /NDF: 13679601.0/136

- sign 178.421 $\pm$ 0.023 χ^2 /NDF: 6886204.3/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.892 ± 7.243 χ^2/NDF : 31.2/29

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -5.442 ± 7.034 χ^2/NDF : 38.5/33

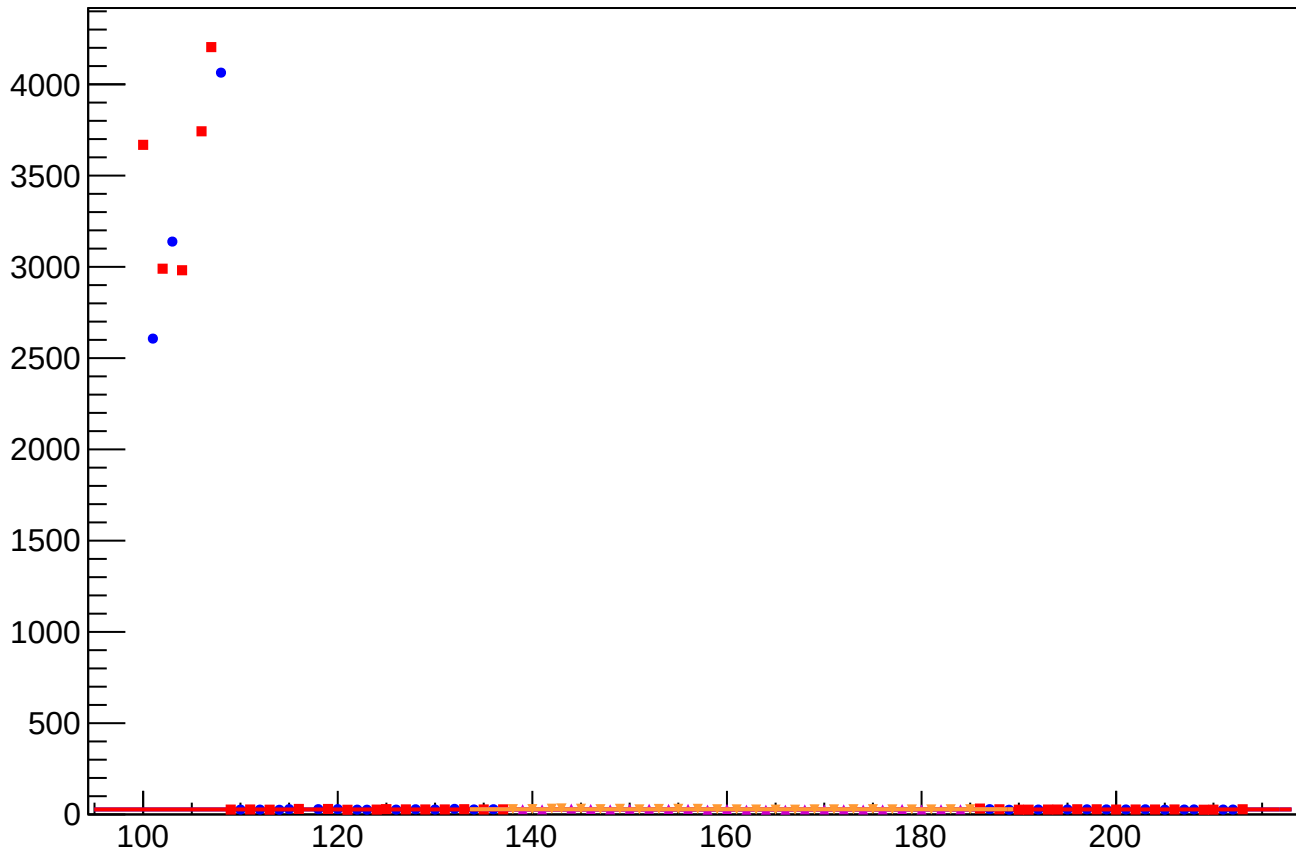
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -9.893 ± 4.916 χ^2/NDF : 56.4/54

All: -6.544 ± 3.477 χ^2/NDF : 128.4/111

- sign -3.191 ± 4.918 χ^2/NDF : 71.1/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.442 $\pm$ 0.005 χ^2 /NDF: 3042512.2/29

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.471 $\pm$ 0.005 χ^2 /NDF: 3513839.6/33

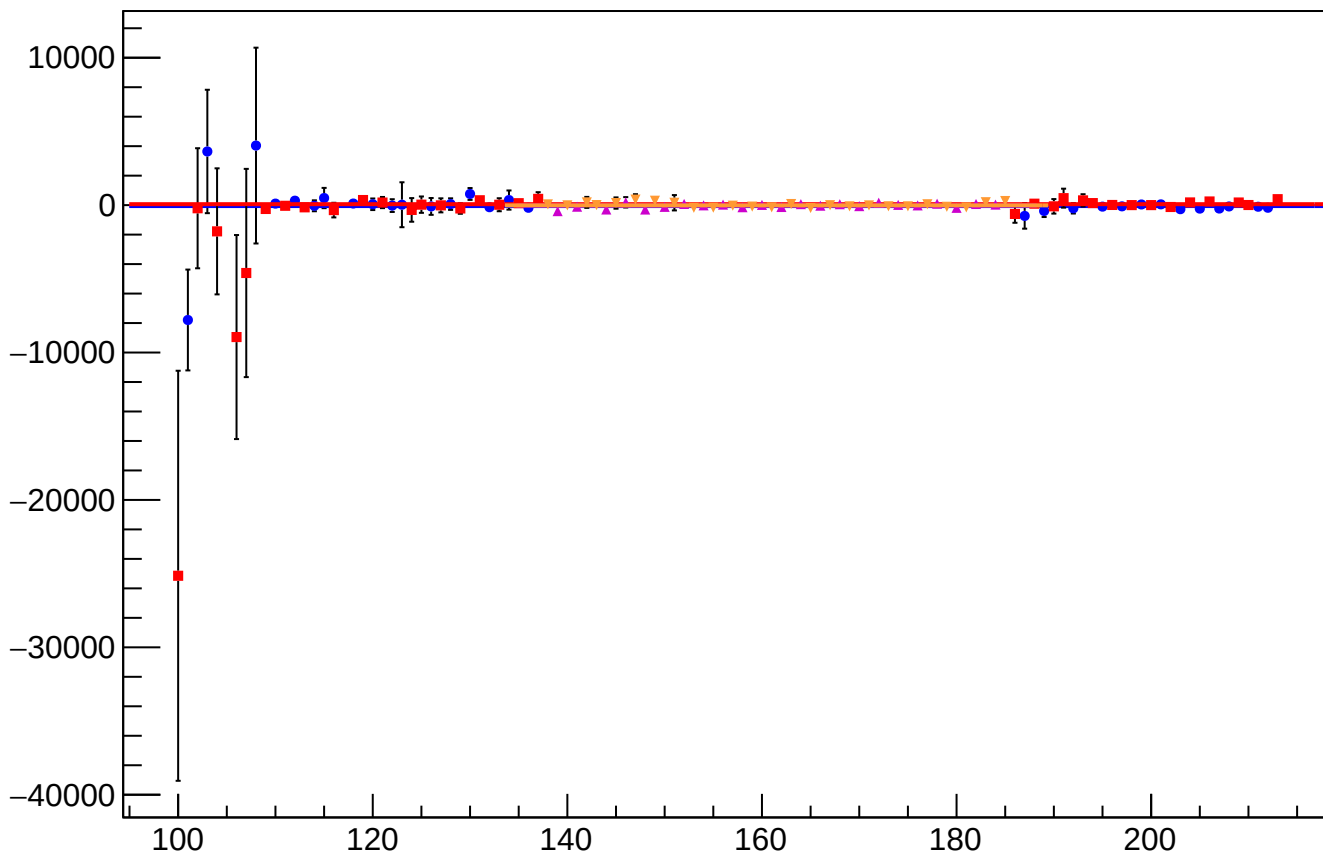
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.115 $\pm$ 0.003 χ^2 /NDF: 3185077.8/54

All: 28.100 $\pm$ 0.002 χ^2 /NDF: 6853531.8/111

- sign 28.085 $\pm$ 0.003 χ^2 /NDF: 3668416.3/56

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -63.158 ± 46.620 χ^2/NDF : 21.8/29

Left Out: -15.483 ± 48.109 χ^2/NDF : 8.7/24

Right Out: 64.557 ± 46.075 χ^2/NDF : 21.6/33

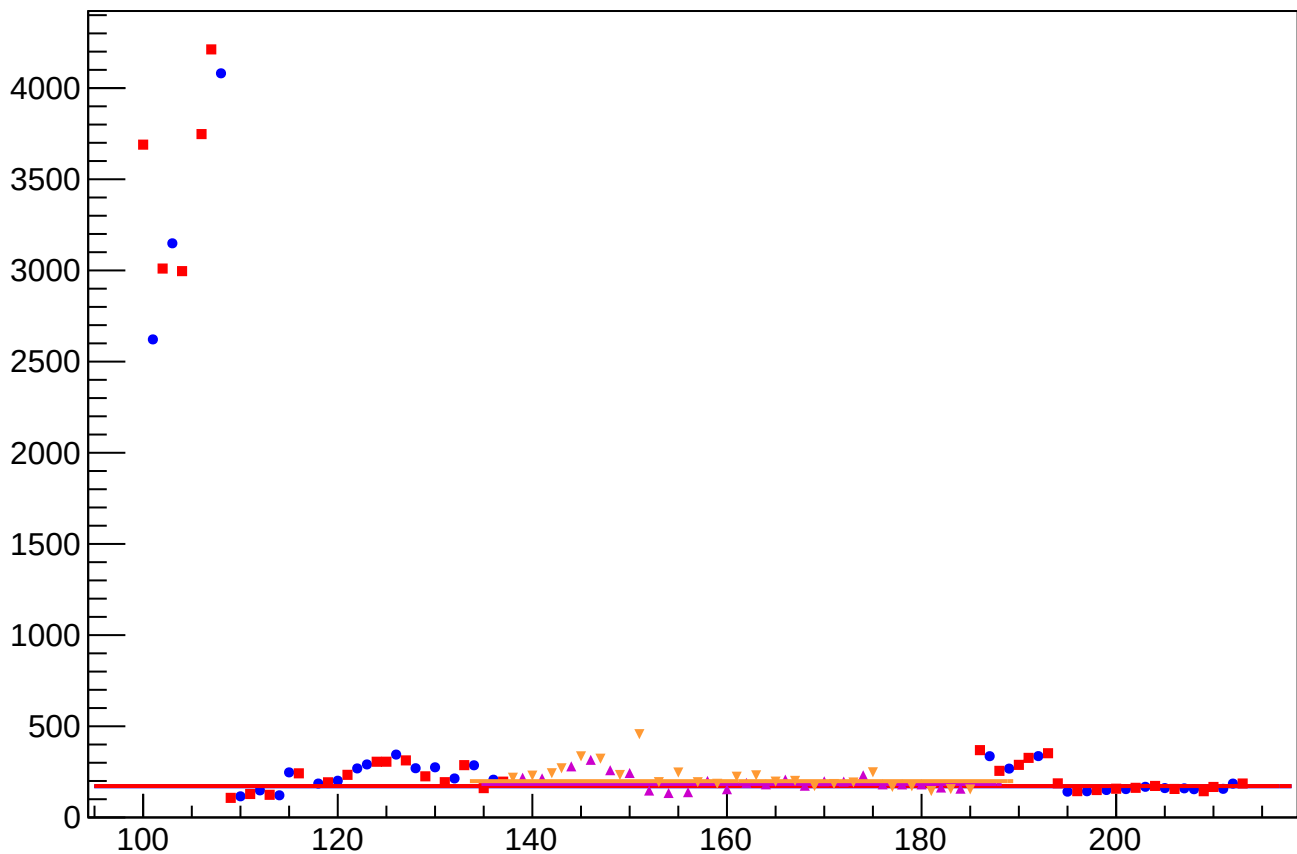
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -40.070 ± 33.479 χ^2/NDF : 31.0/54

All: -9.903 ± 23.311 χ^2/NDF : 63.9/111

- sign 18.484 ± 32.477 χ^2/NDF : 31.4/56

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.804 $\pm$ 0.033 χ^2 /NDF: 4534684.2/29

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF: 1880343.4/24

Right Out: 172.176 $\pm$ 0.033 χ^2 /NDF: 5420304.6/33

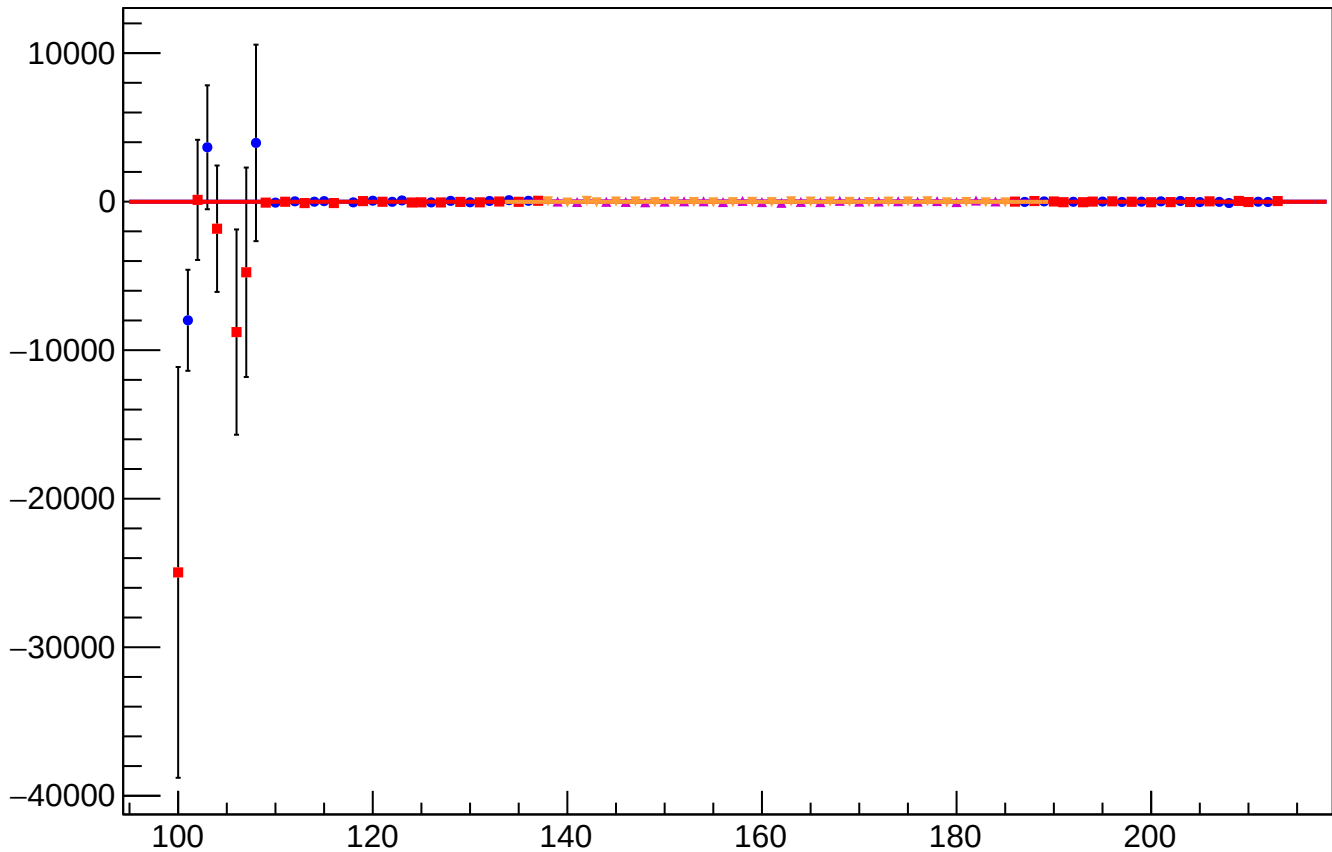
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF: 1422895.7/22

+ sign 184.504 $\pm$ 0.024 χ^2 /NDF: 6771690.0/54

All: 181.132 $\pm$ 0.016 χ^2 /NDF: 13716874.8/137

- sign 177.958 $\pm$ 0.023 χ^2 /NDF: 6905791.8/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.184 ± 7.210 χ^2/NDF : 34.9/29

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -9.061 ± 7.011 χ^2/NDF : 32.9/33

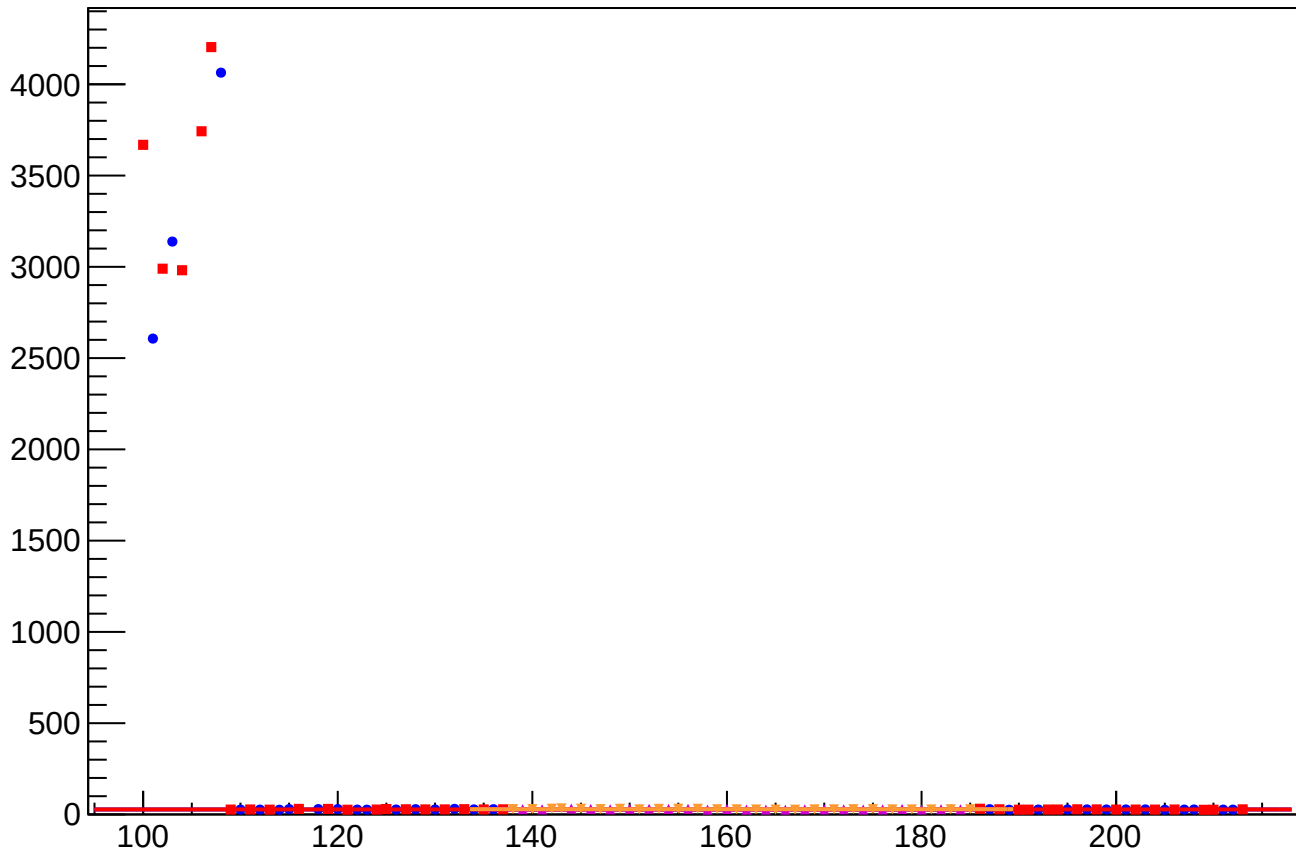
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -9.508 ± 4.917 χ^2/NDF : 53.8/54

All: -6.810 ± 3.478 χ^2/NDF : 114.7/111

- sign -4.108 ± 4.921 χ^2/NDF : 60.2/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.311 $\pm$ 0.005 χ^2 /NDF: 3050761.7/29

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.381 $\pm$ 0.005 χ^2 /NDF: 3517454.5/33

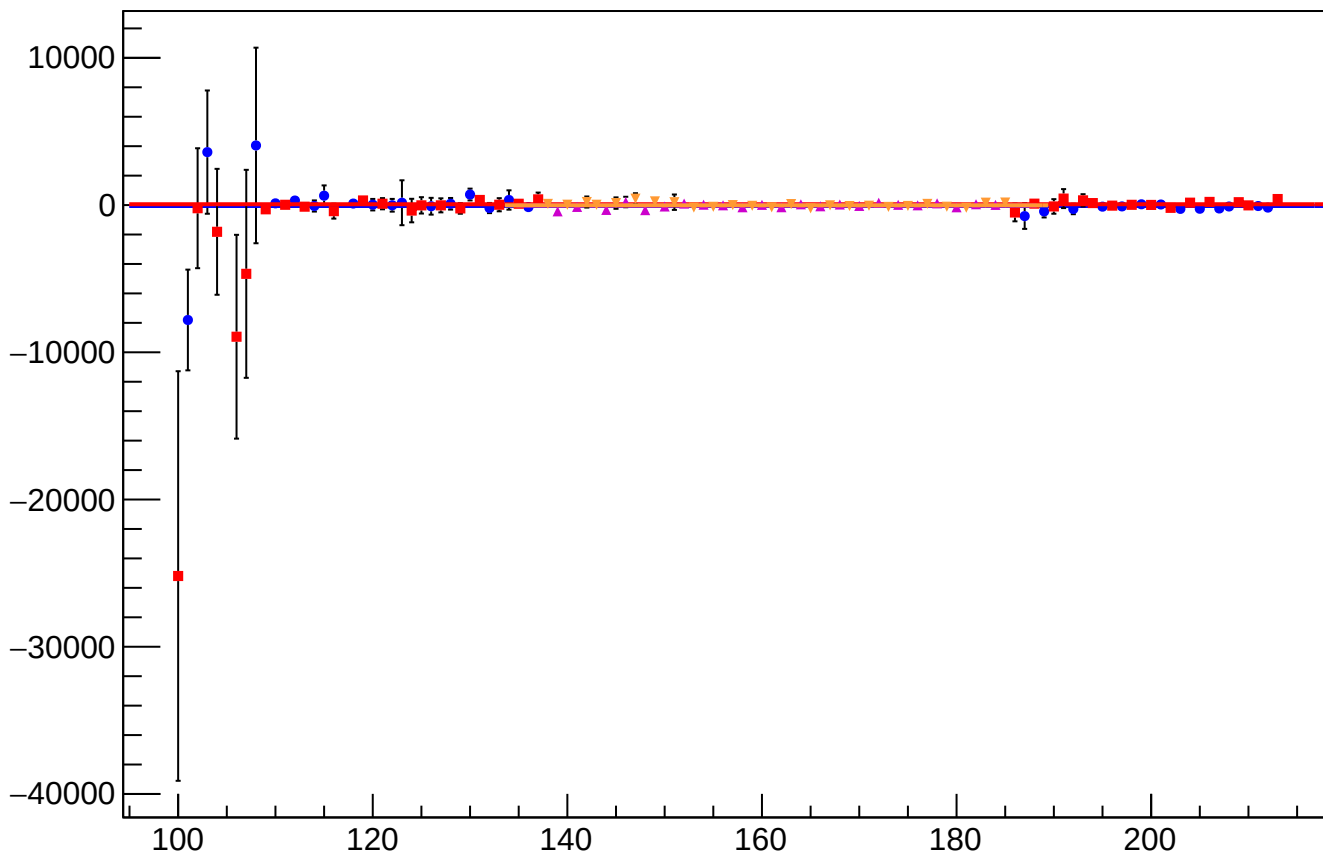
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.114 $\pm$ 0.003 χ^2 /NDF: 3219147.9/54

All: 28.106 $\pm$ 0.002 χ^2 /NDF: 6907114.1/111

- sign 28.097 $\pm$ 0.003 χ^2 /NDF: 3687954.3/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -61.971 ± 46.944 χ^2/NDF : 21.9/29

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 57.199 ± 46.406 χ^2/NDF : 21.1/33

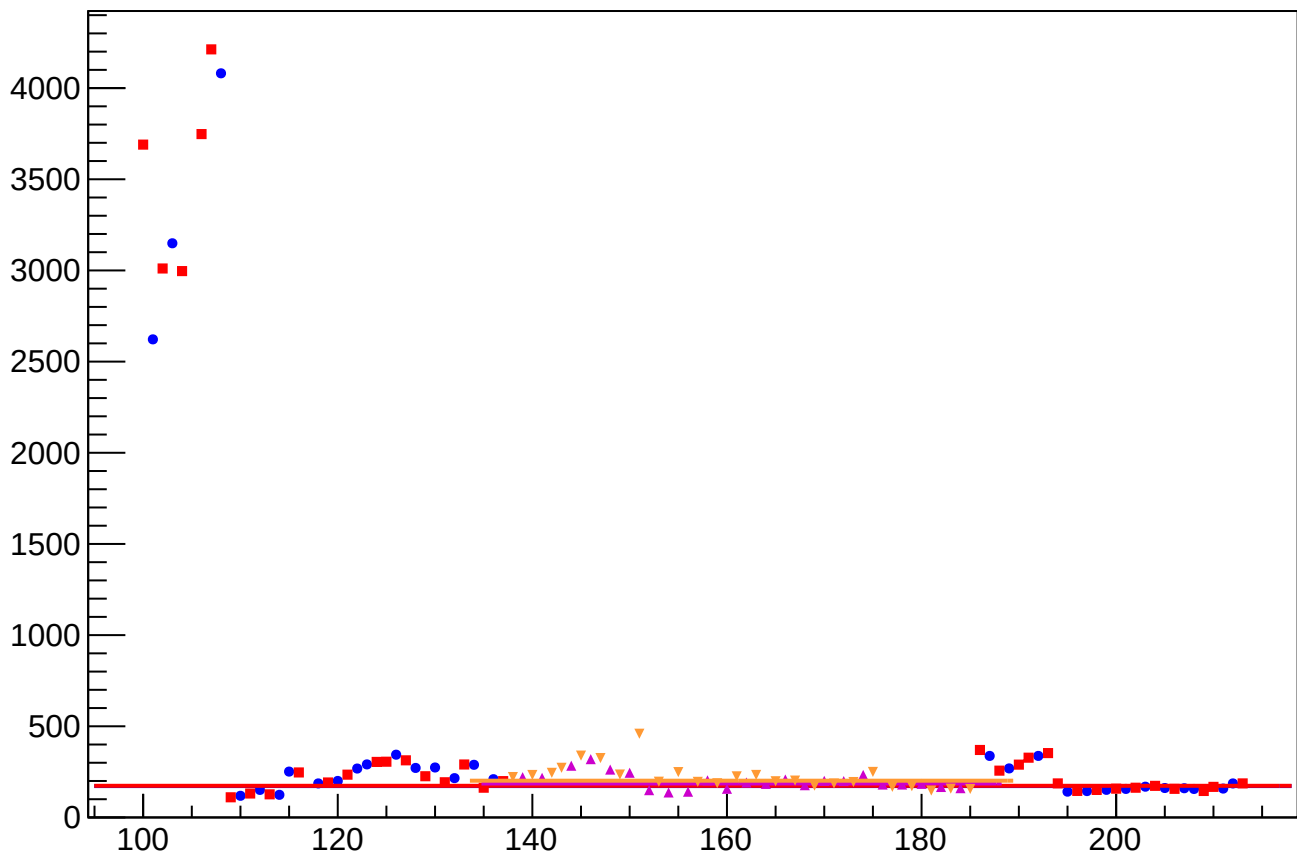
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -39.606 ± 33.794 χ^2/NDF : 30.4/54

All: -12.531 ± 23.536 χ^2/NDF : 62.7/111

- sign 12.970 ± 32.797 χ^2/NDF : 31.1/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 172.087 $\pm$ 0.033 χ^2 /NDF: 4502488.4/29

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 173.615 $\pm$ 0.033 χ^2 /NDF: 5360565.2/33

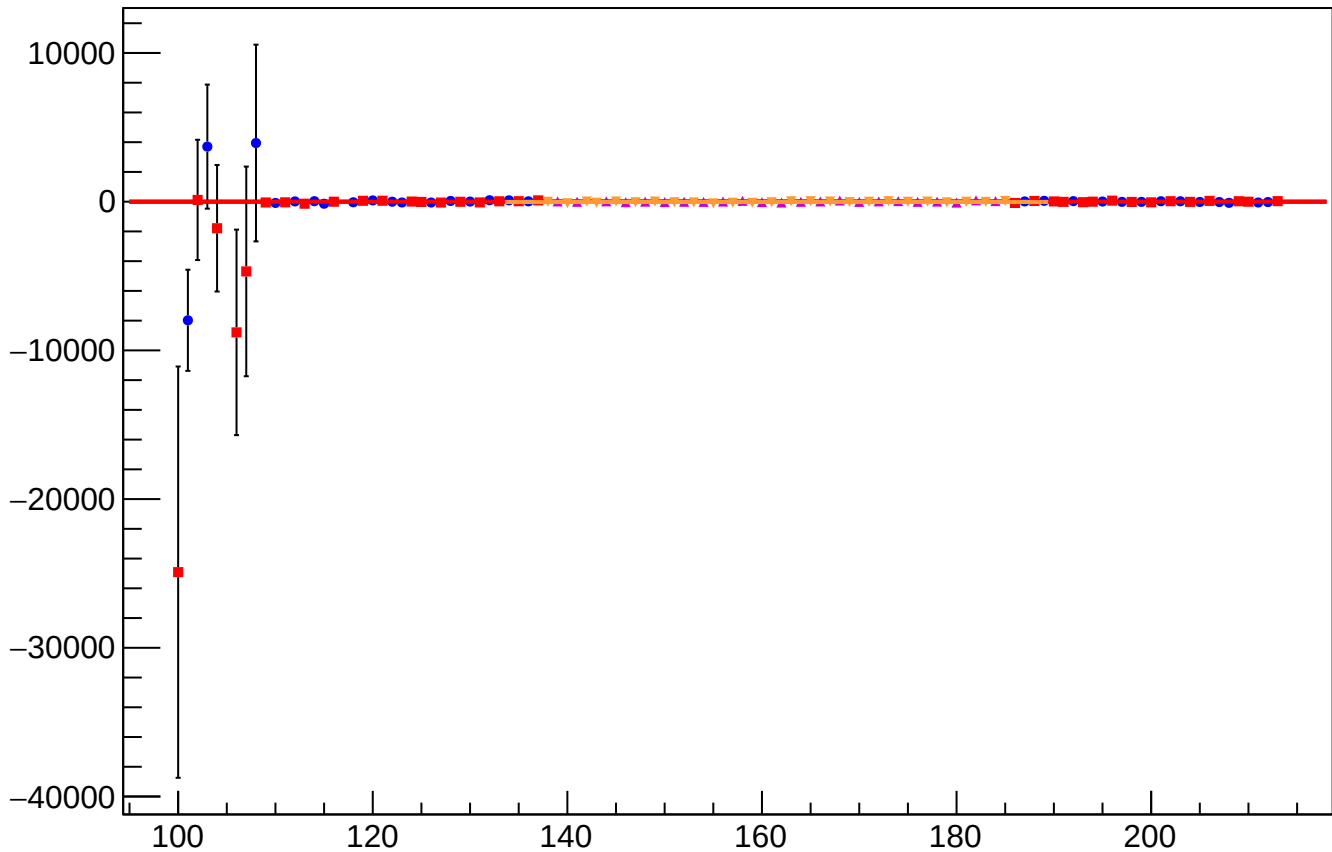
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 186.306 $\pm$ 0.024 χ^2 /NDF: 6740773.9/54

All: 182.990 $\pm$ 0.017 χ^2 /NDF: 13602578.2/13

- sign 179.867 $\pm$ 0.023 χ^2 /NDF: 6824424.2/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.295 ± 8.811 χ^2/NDF : 30.9/29

Left Out: -23.360 ± 8.064 χ^2/NDF : 25.8/24

Right Out: 2.528 ± 8.557 χ^2/NDF : 35.8/33

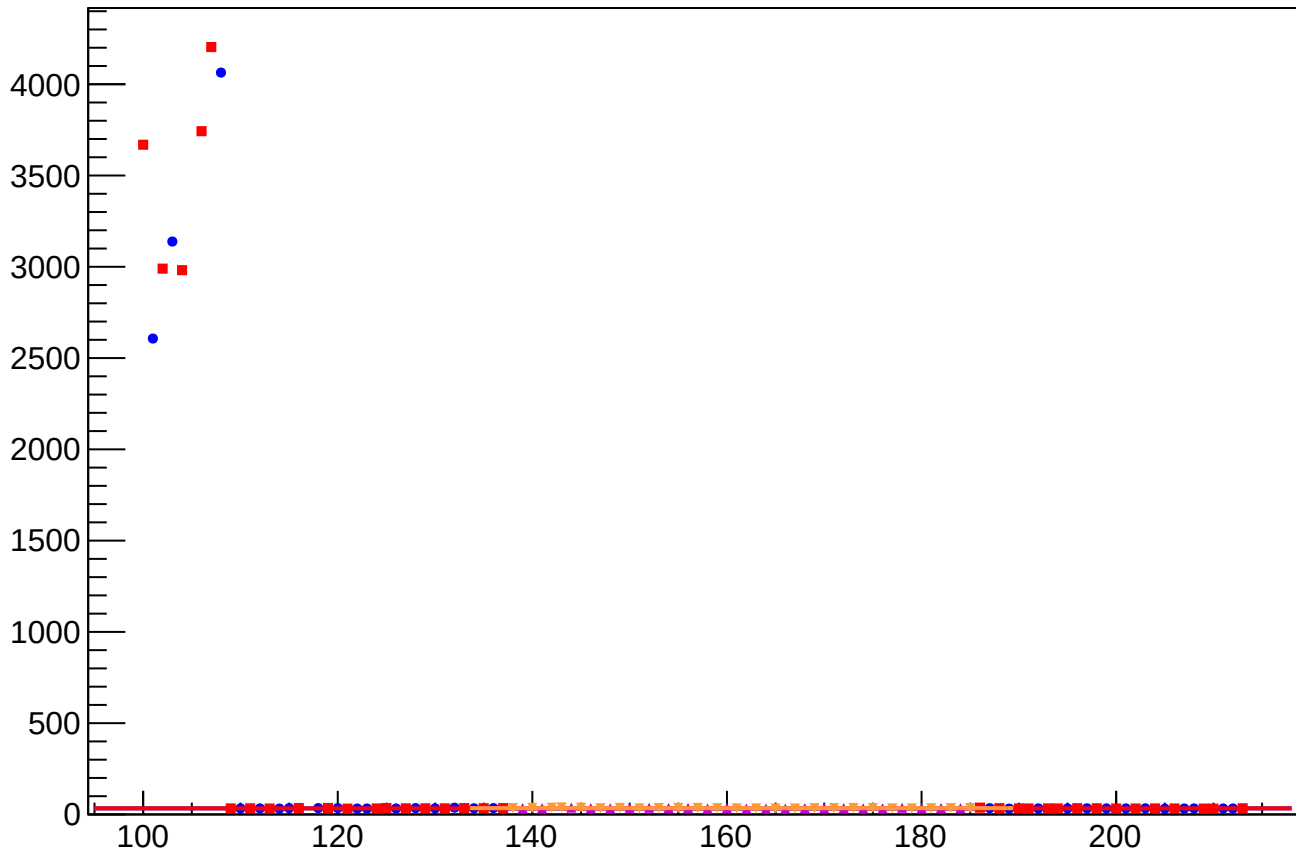
Left In: 6.001 ± 8.309 χ^2/NDF : 21.1/22

+ sign -13.302 ± 5.949 χ^2/NDF : 60.2/54

All: -4.511 ± 4.211 χ^2/NDF : 121.6/111

- sign 4.316 ± 5.961 χ^2/NDF : 57.0/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.398 $\pm$ 0.006 χ^2 /NDF: 3020517.2/29

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.467 $\pm$ 0.006 χ^2 /NDF: 3474207.8/33

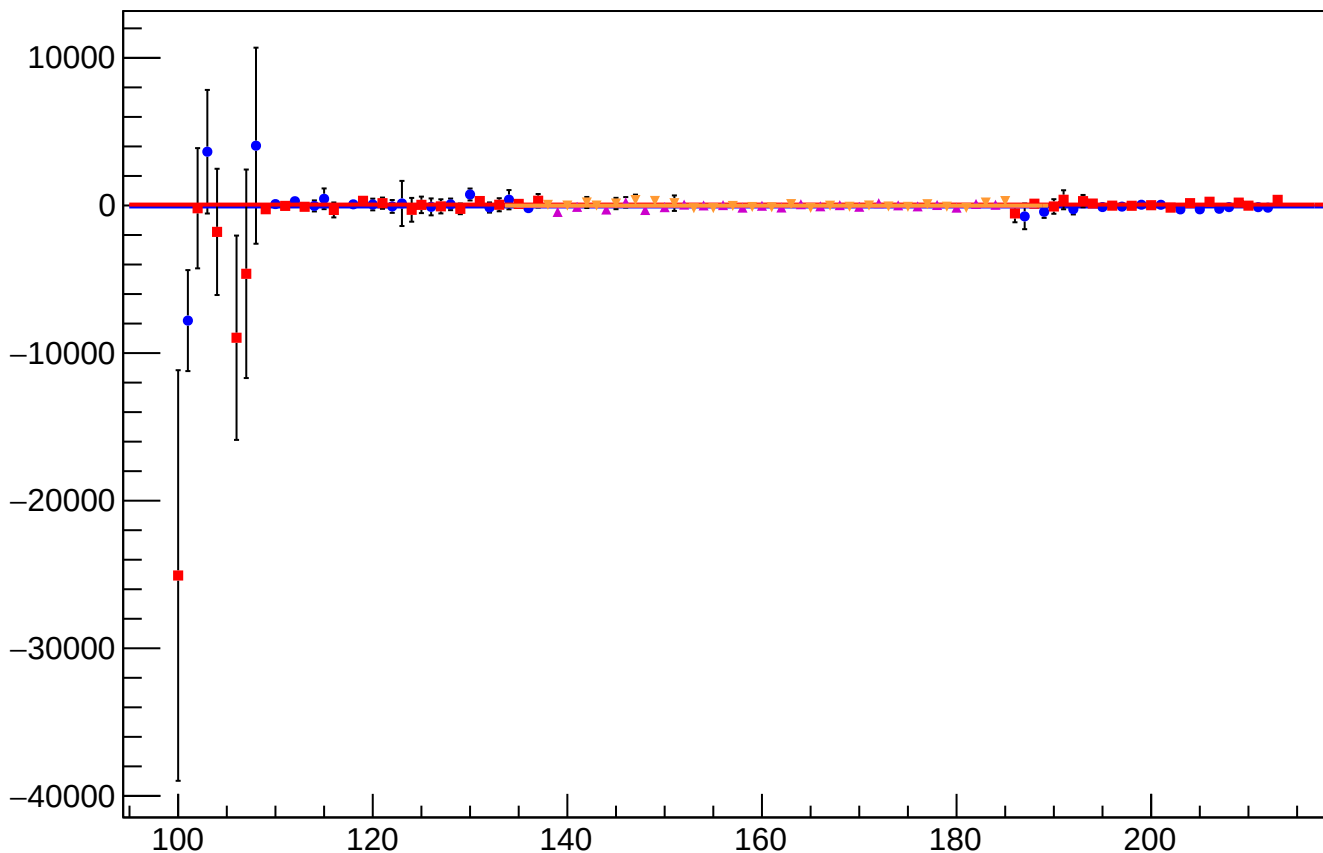
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.060 $\pm$ 0.004 χ^2 /NDF: 3099217.8/54

All: 34.077 $\pm$ 0.003 χ^2 /NDF: 6654641.7/111

- sign 34.094 $\pm$ 0.004 χ^2 /NDF: 3555391.1/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -67.239 ± 46.805 χ^2/NDF : 21.5/29

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 61.265 ± 46.237 χ^2/NDF : 19.4/33

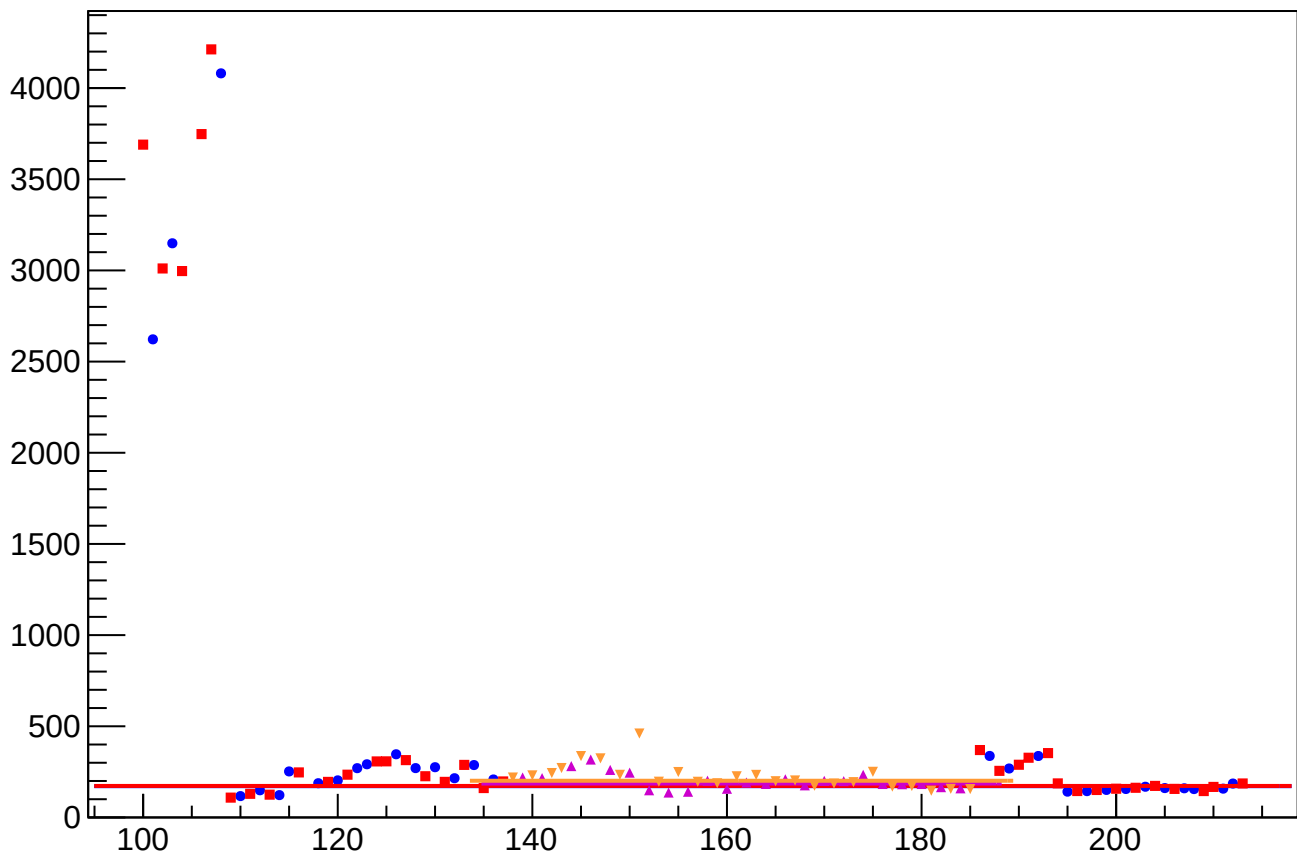
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -39.184 ± 33.718 χ^2/NDF : 30.9/54

All: -11.980 ± 23.480 χ^2/NDF : 61.1/111

- sign 13.630 ± 32.715 χ^2/NDF : 29.0/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.495 $\pm$ 0.033 χ^2 /NDF: 4531202.1/29

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 172.827 $\pm$ 0.033 χ^2 /NDF: 5408673.4/33

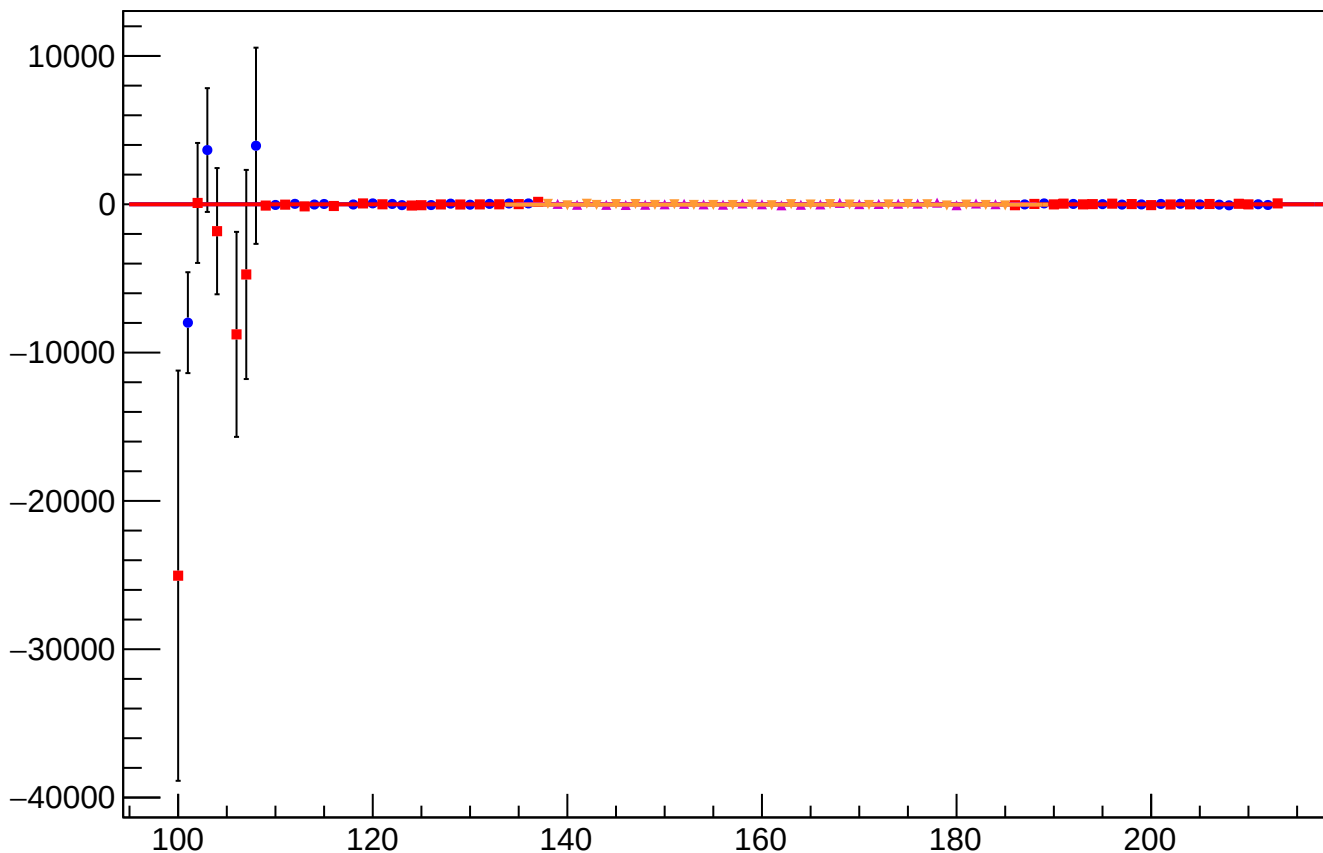
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 185.831 $\pm$ 0.024 χ^2 /NDF: 6772366.6/54

All: 182.483 $\pm$ 0.017 χ^2 /NDF: 13680349.2/11

- sign 179.332 $\pm$ 0.023 χ^2 /NDF: 6869718.3/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.067+/-7.976 χ^2/NDF : 25.2/29

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -1.993+/-7.745 χ^2/NDF : 41.9/33

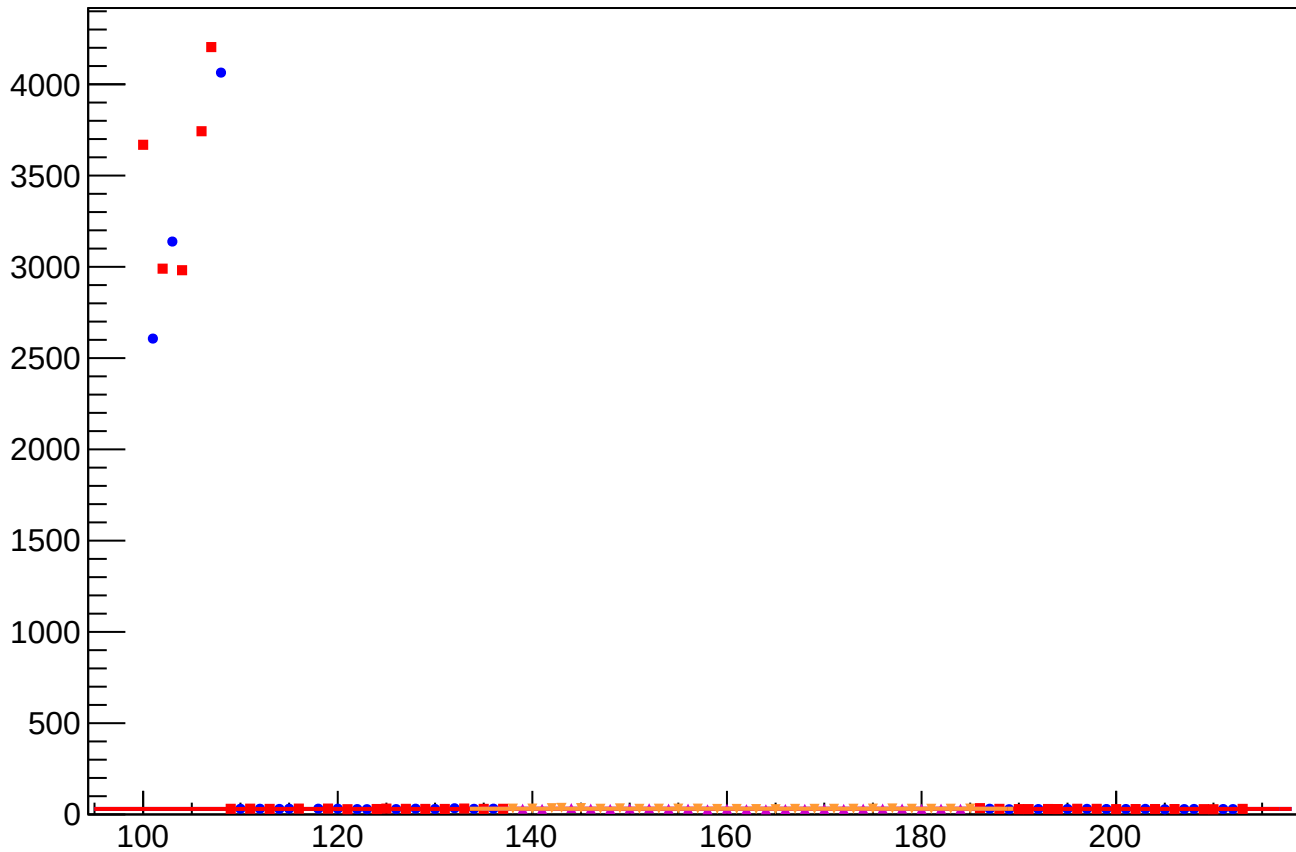
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -11.439+/-5.401 χ^2/NDF : 49.2/54

All: -4.688+/-3.821 χ^2/NDF : 133.1/111

- sign 2.077+/-5.406 χ^2/NDF : 80.7/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.221 $\pm$ 0.006 χ^2 /NDF: 3038307.8/29

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.268 $\pm$ 0.005 χ^2 /NDF: 3492178.6/33

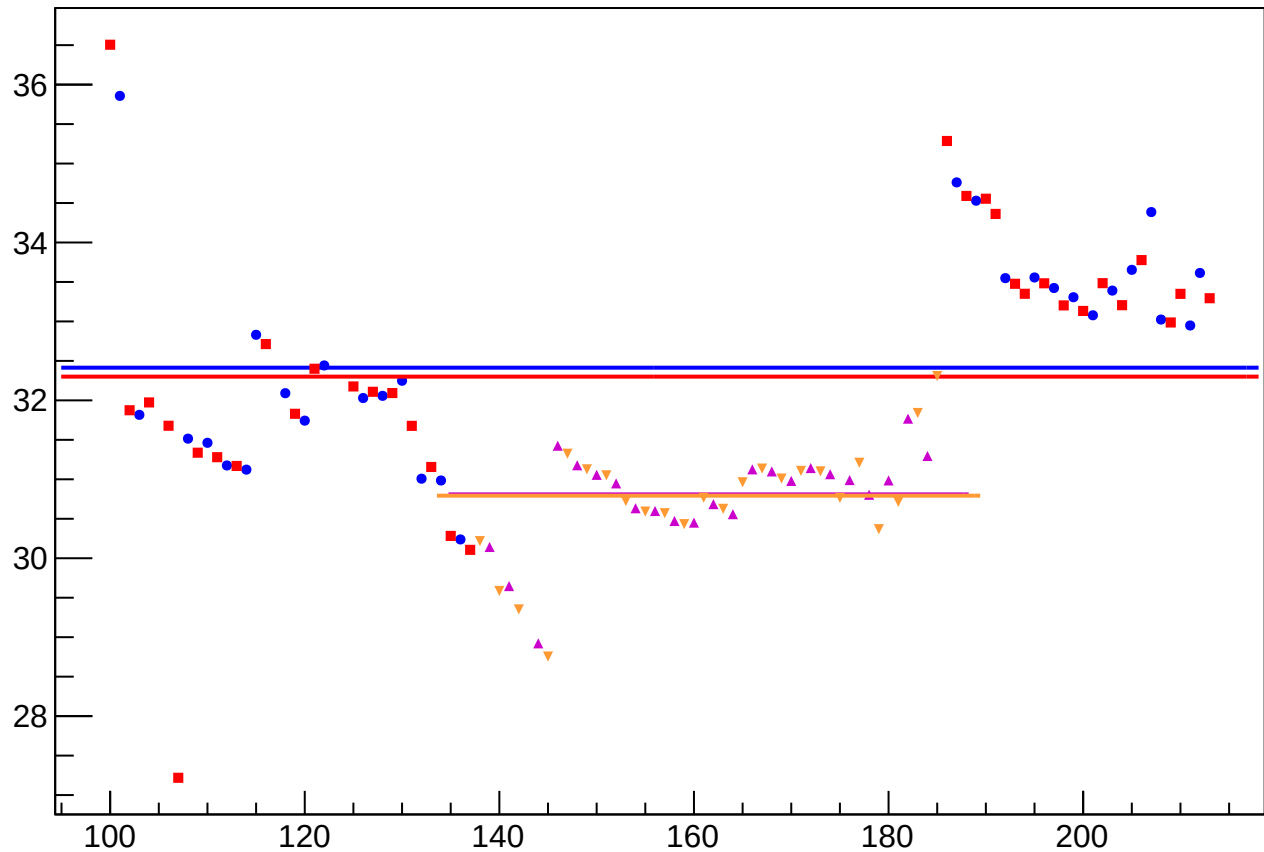
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.904 $\pm$ 0.004 χ^2 /NDF: 3147807.1/54

All: 30.898 $\pm$ 0.003 χ^2 /NDF: 6753282.0/111

- sign 30.892 $\pm$ 0.004 χ^2 /NDF: 3605470.0/56

yield_usl_mean vs Slug



Right In: 32.414+/-0.000 χ^2/NDF : 2943244292.7/28

Left Out: 30.793+/-0.000 χ^2/NDF : 1007261340.7/23

Right Out: 32.301+/-0.000 χ^2/NDF : 2528221588.4/32

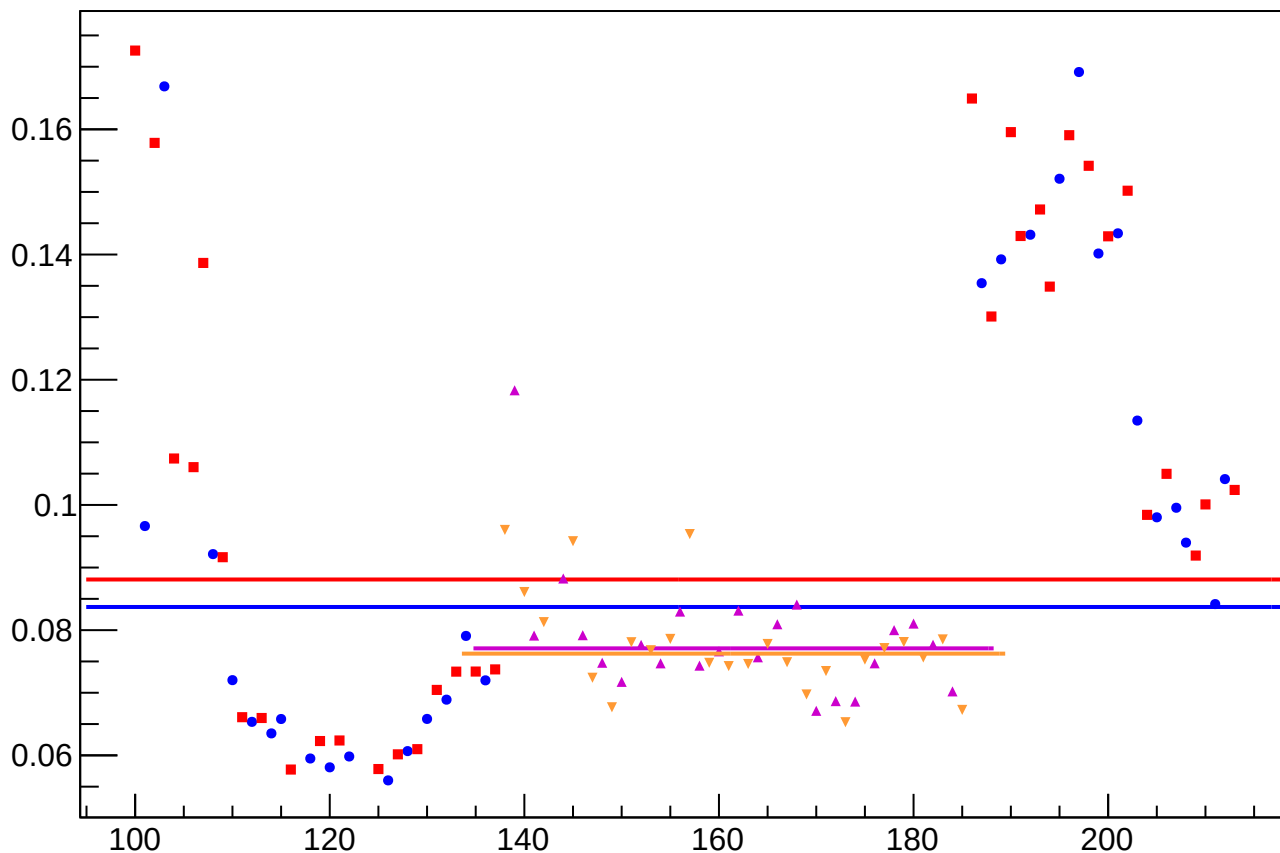
Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

+ sign 31.455+/-0.000 χ^2/NDF : 6912297258.6/52

All: 31.436+/-0.000 χ^2/NDF : 12685154835.2

- sign 31.418+/-0.000 χ^2/NDF : 5769739298.2/55

yield_usl_rms vs Slug



Right In: 0.084 $\pm$ 0.000 χ^2 /NDF: 3193021.1/28

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:277876.5/23

Right Out: 0.088 $\pm$ 0.000 χ^2 /NDF: 3659822.0/32

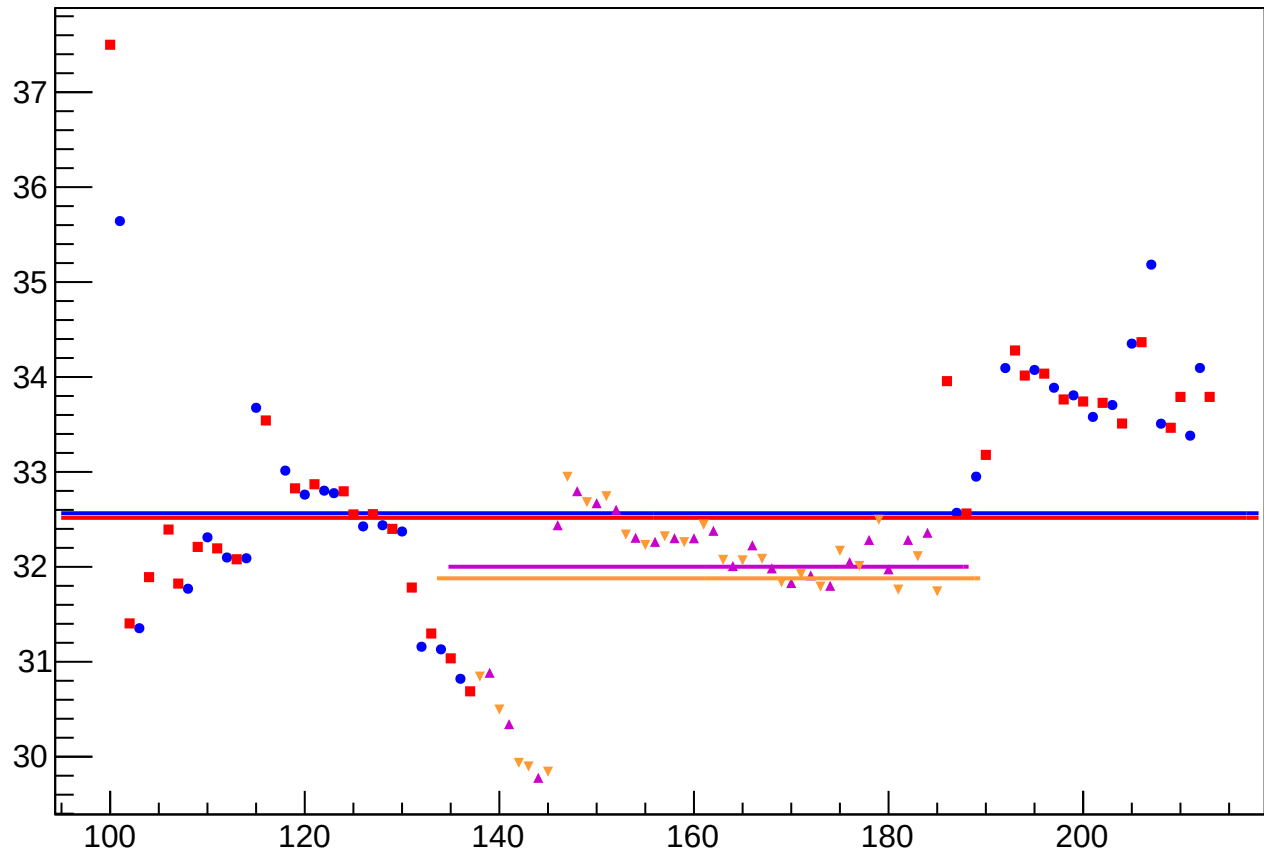
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 3596021.9/52

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 7868879.4/108

- sign 0.082 $\pm$ 0.000 χ^2 /NDF: 4248882.9/55

yield_usr_mean vs Slug



Right In: 32.565+/-0.000 χ^2/NDF : 1573528251.3/29

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.516+/-0.000 χ^2/NDF : 938724936.3/32

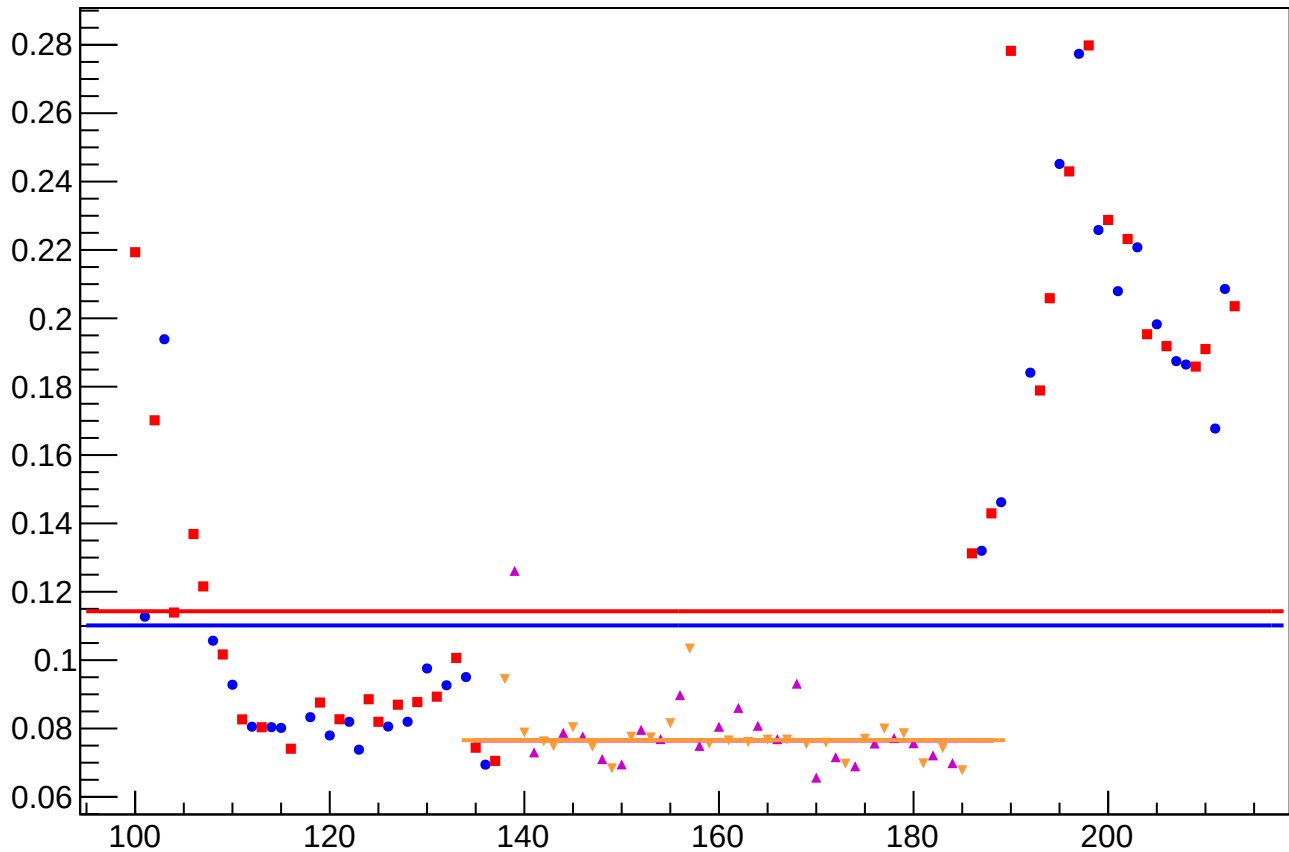
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 32.057+/-0.000 χ^2/NDF : 3900404329.9/54

All: 32.098+/-0.000 χ^2/NDF : 6459640864.1/100

- sign 32.140+/-0.000 χ^2/NDF : 2546045847.6/55

yield_usr_rms vs Slug



Right In: 0.110 $\pm$ 0.000 χ^2 /NDF: 5210186.2/29

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.114 $\pm$ 0.000 χ^2 /NDF: 5075884.0/32

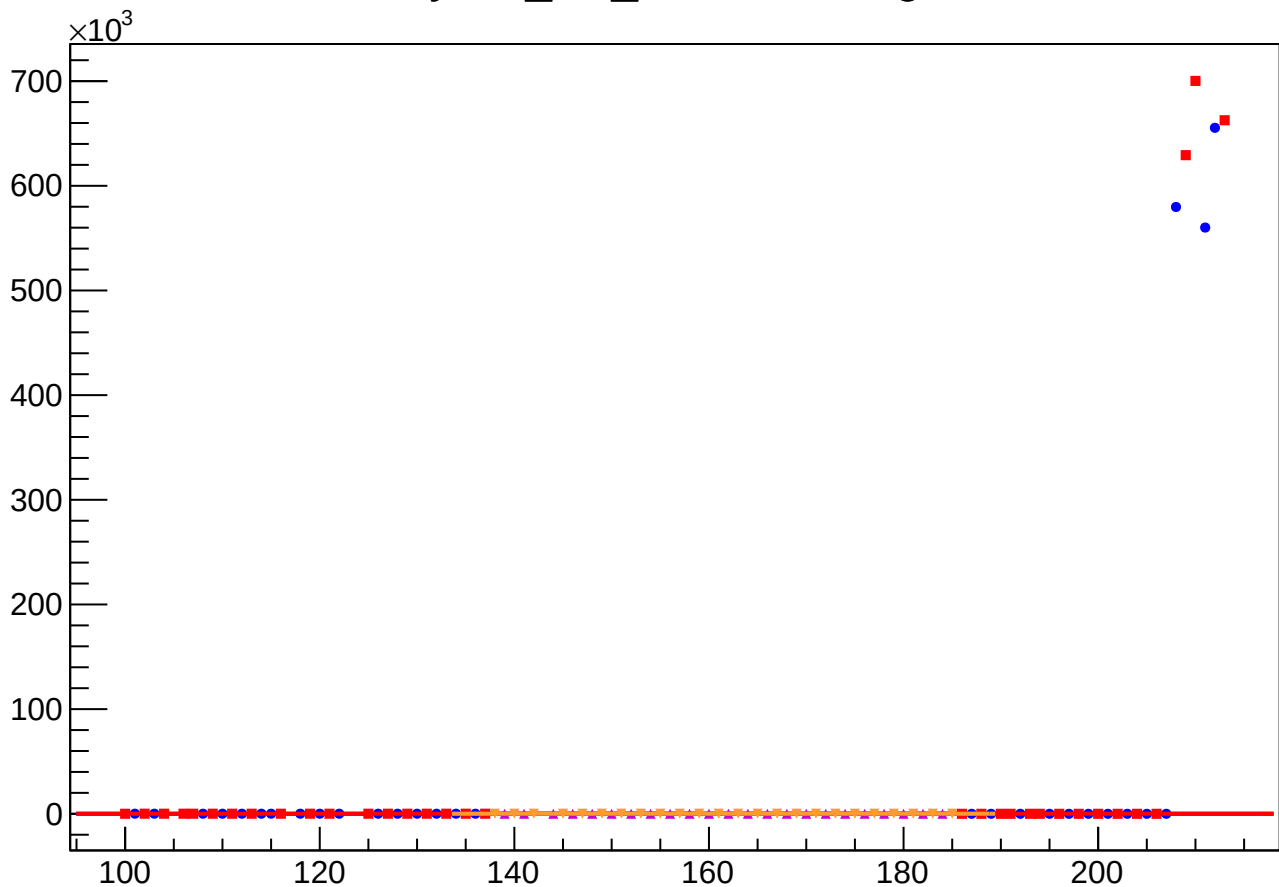
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.085 $\pm$ 0.000 χ^2 /NDF: 7101080.0/54

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 14731918.1/110

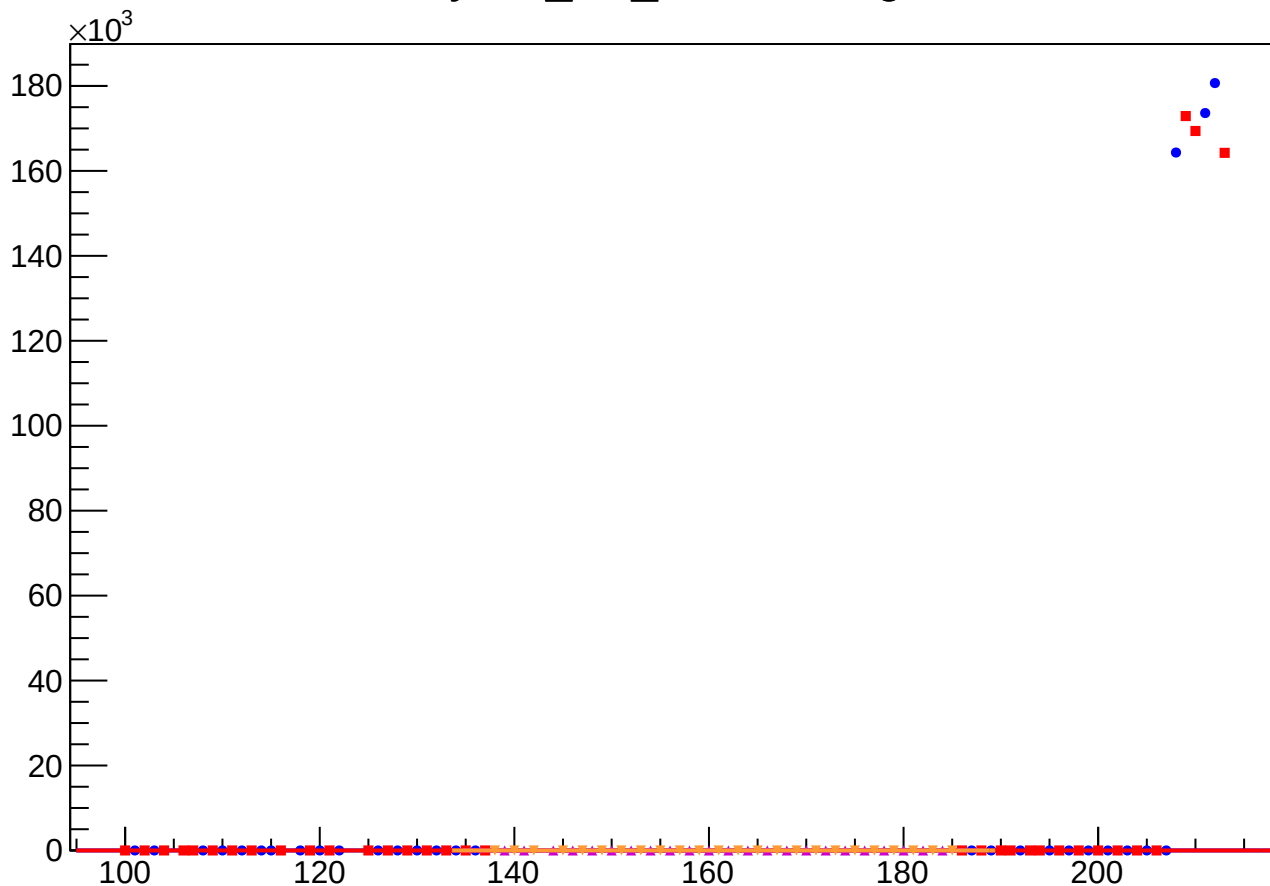
- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 7623515.4/55

yield_dsl_mean vs Slug



Right In: 54.615 $\pm$ 0.000 χ^2 /NDF: 10853532994063.6/28
 Left Out: 83.402 $\pm$ 0.000 χ^2 /NDF: 8756634444.3/23
 Right Out: 51.099 $\pm$ 0.000 χ^2 /NDF: 11528442668478.4/32
 Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22
 + sign 71.450 $\pm$ 0.000 χ^2 /NDF: 13713587643560.3
 All: 70.353 $\pm$ 0.000 χ^2 /NDF: 2903829091204
 - sign 69.298 $\pm$ 0.000 χ^2 /NDF: 15291257518485.6

yield_dsl_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 4659189.9/28

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:206685.9/23

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 4977622.0/32

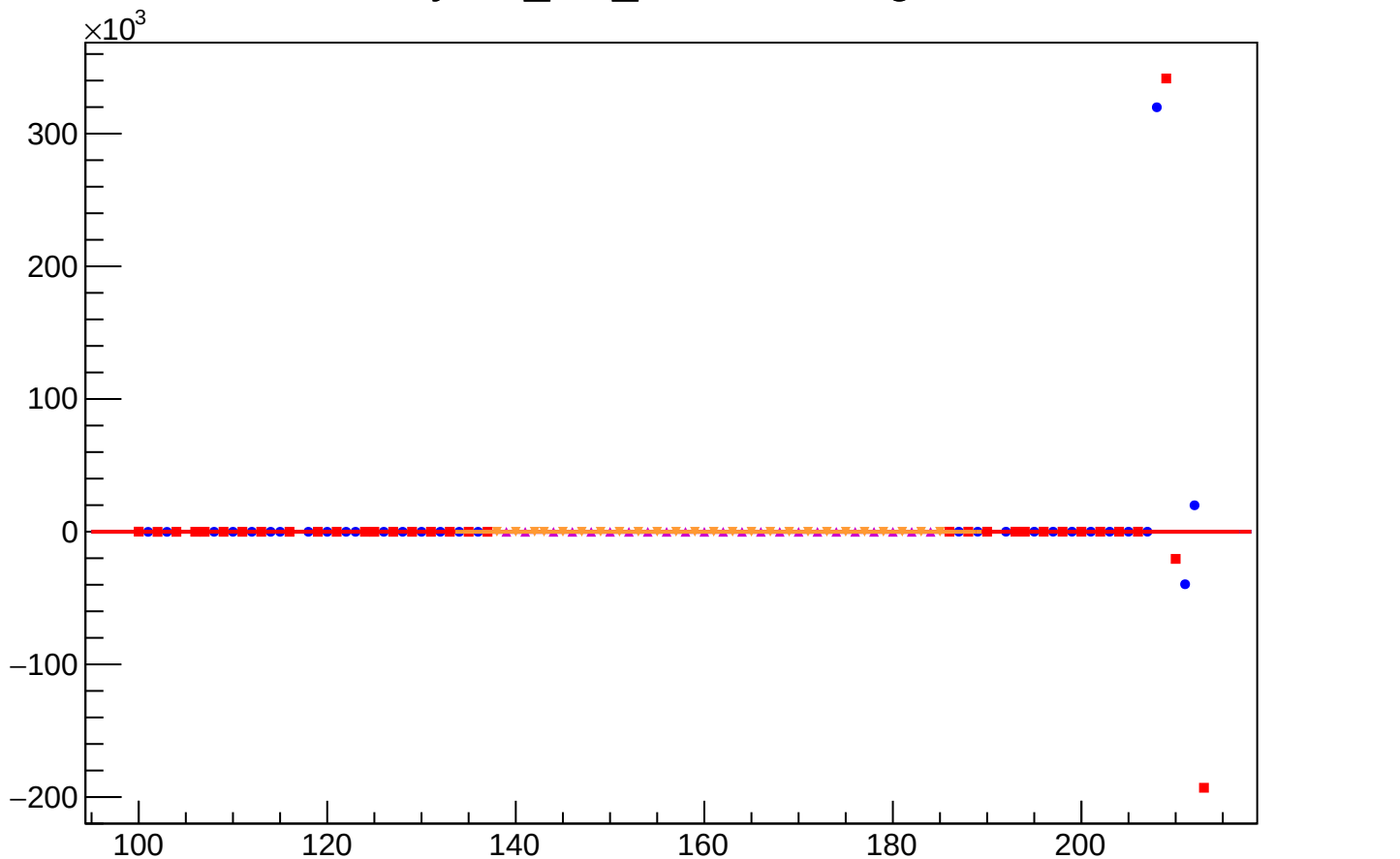
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 4885079.1/52

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 10132922.0/108

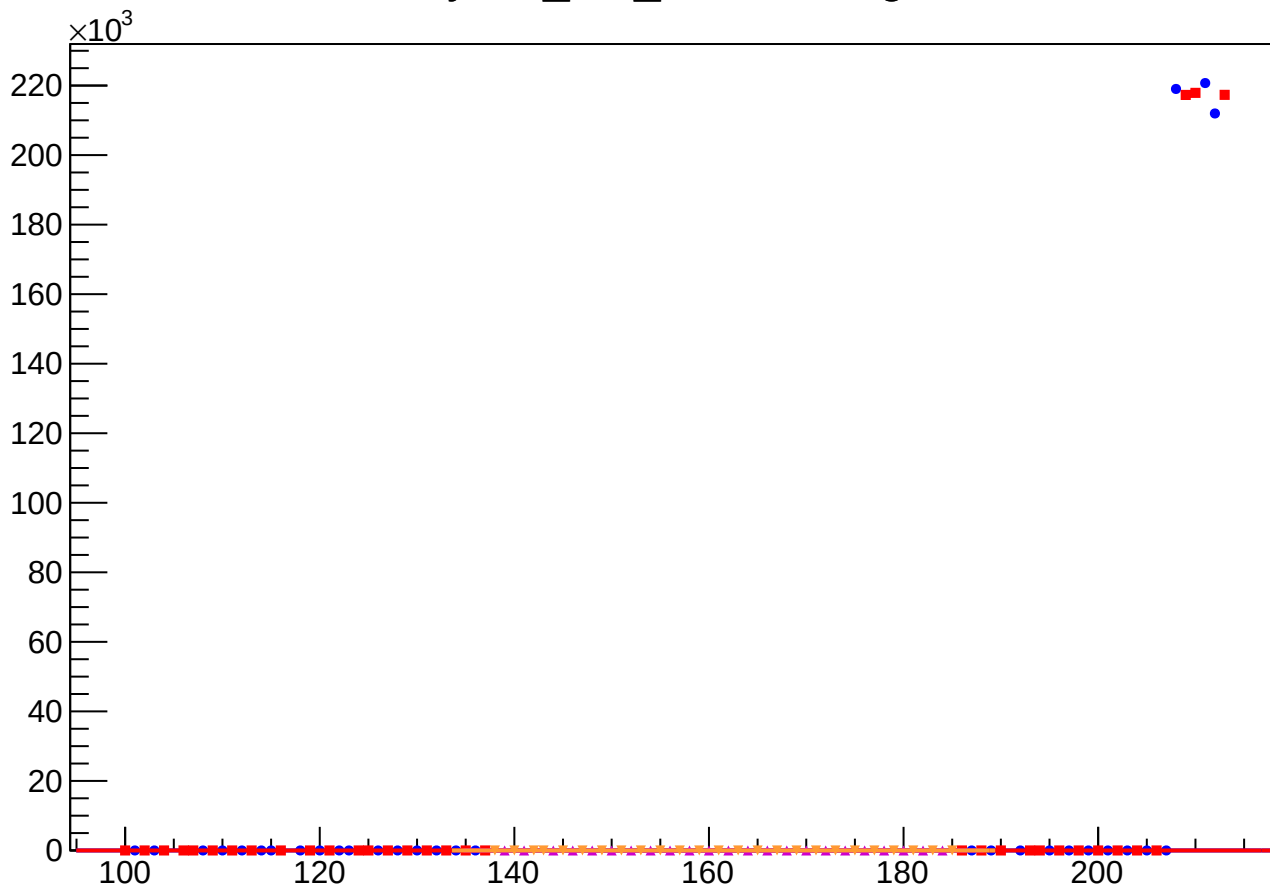
- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 5247558.7/55

yield_dsr_mean vs Slug



Right In: -30.026 ± 0.000 $\chi^2/\text{NDF}: 7479128748037.6/29$
 Left Out: -69.461 ± 0.000 $\chi^2/\text{NDF}: 49572401.9/24$ + sign -51.425 ± 0.000 $\chi^2/\text{NDF}: 11625952294053.0$
 Right Out: -28.760 ± 0.000 $\chi^2/\text{NDF}: 7325681975702.7/32$ All: -50.406 ± 0.000 $\chi^2/\text{NDF}: 234256939391$
 Left In: -69.458 ± 0.000 $\chi^2/\text{NDF}: 52798704.3/22$ - sign -49.388 ± 0.000 $\chi^2/\text{NDF}: 11777430117909.9$

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 4338645.6/29

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 4579288.8/32

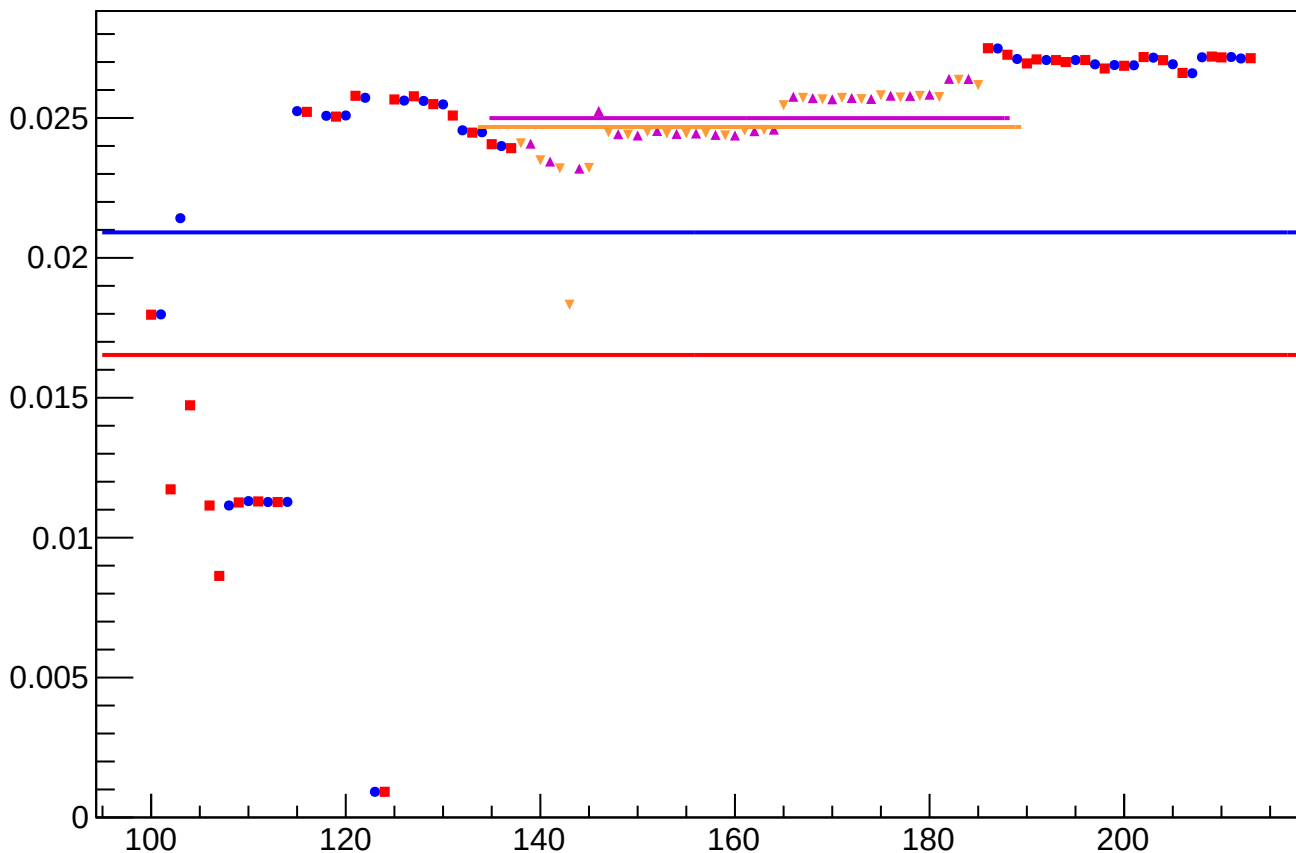
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 4427847.1/54

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 9127337.3/110

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 4699475.6/55

yield_atl1_mean vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 193953519065.1/29

Left Out: 0.025+/-0.000 χ^2/NDF : 9641065555.8/24

Right Out: 0.017+/-0.000 χ^2/NDF : 430739877035.8/33

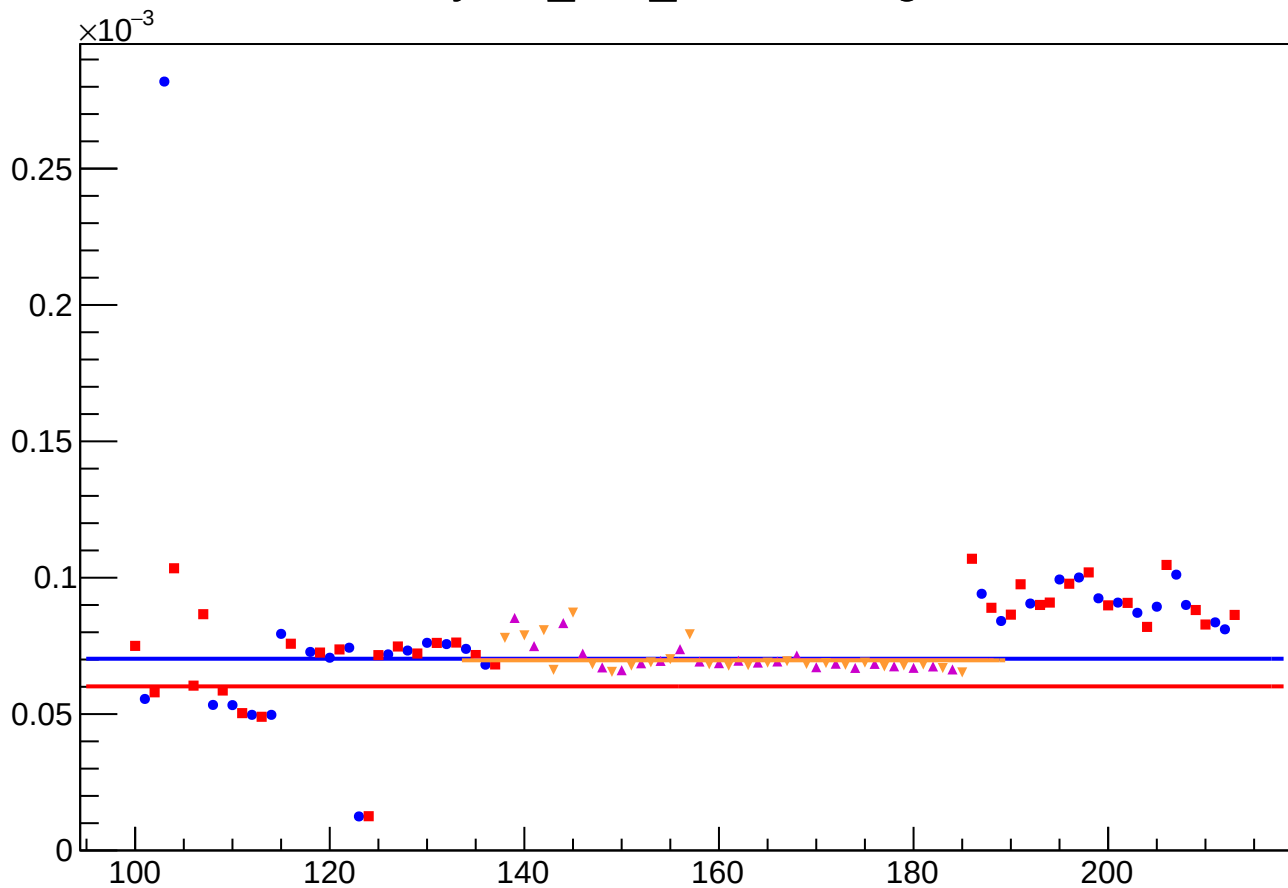
Left In: 0.025+/-0.000 χ^2/NDF : 2462473687.7/22

+ sign 0.023+/-0.000 χ^2/NDF : 226154764982.5/54

All: 0.022+/-0.000 χ^2/NDF : 805234179880.7

- sign 0.021+/-0.000 χ^2/NDF : 560461191083.7/56

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3562714.2/29

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7103950.4/33

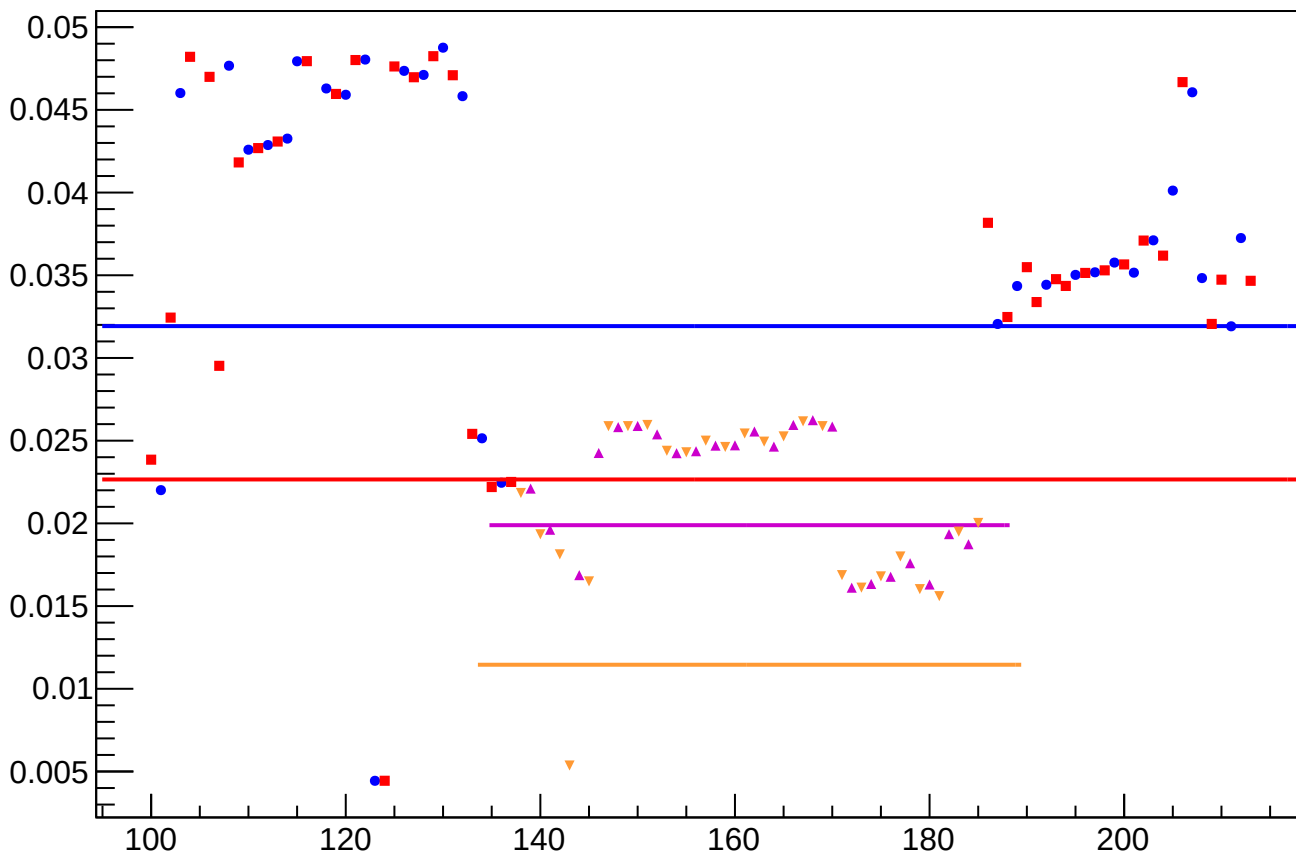
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3721898.6/54

All: 0.000+/-0.000 χ^2/NDF : 11458521.7/111

- sign 0.000+/-0.000 χ^2/NDF : 7567281.4/56

yield_atl2_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 21786234383.1/29

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 44852299973.9/33

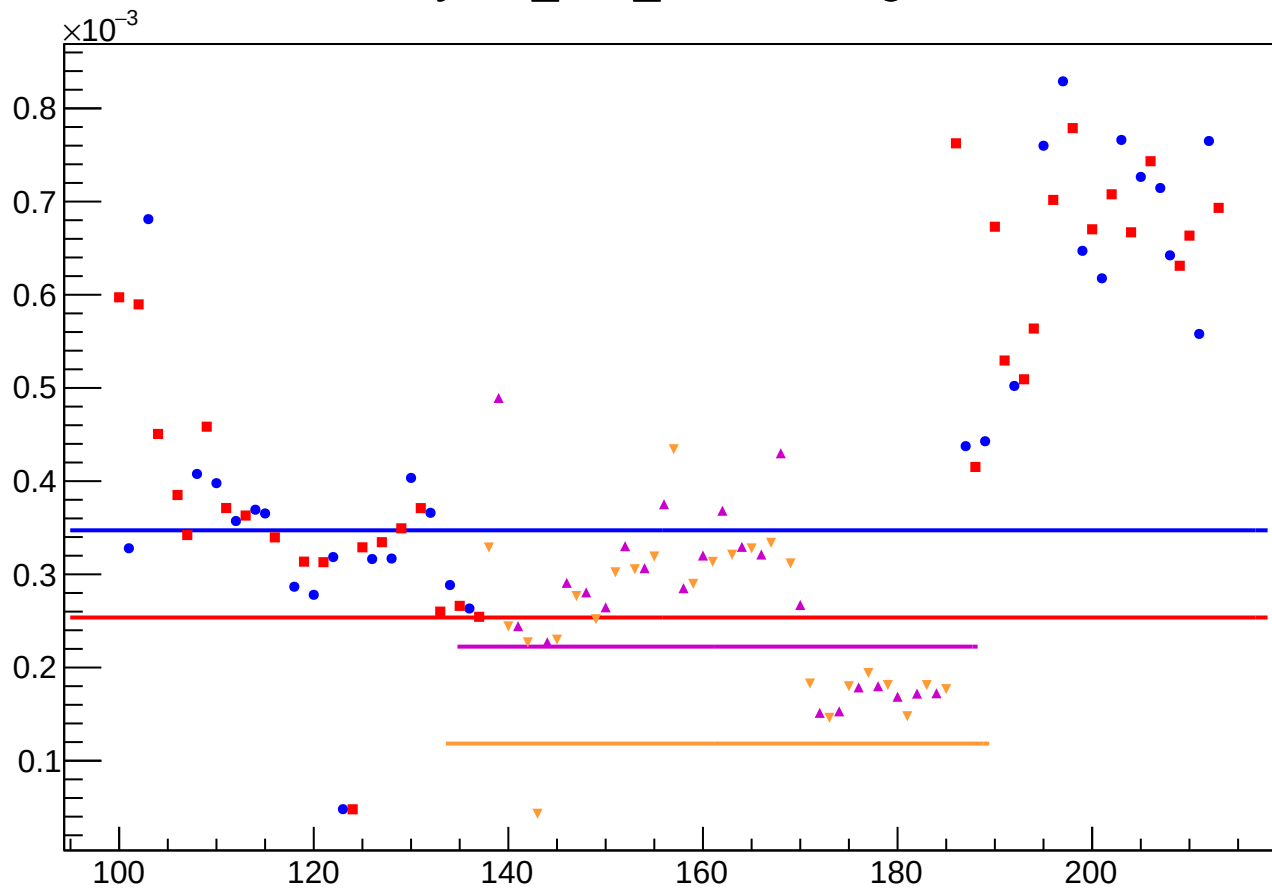
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 96312401251.8/54

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 160229133842.8

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 50042775048.1/56

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7300074.0/29

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 13499785.4/33

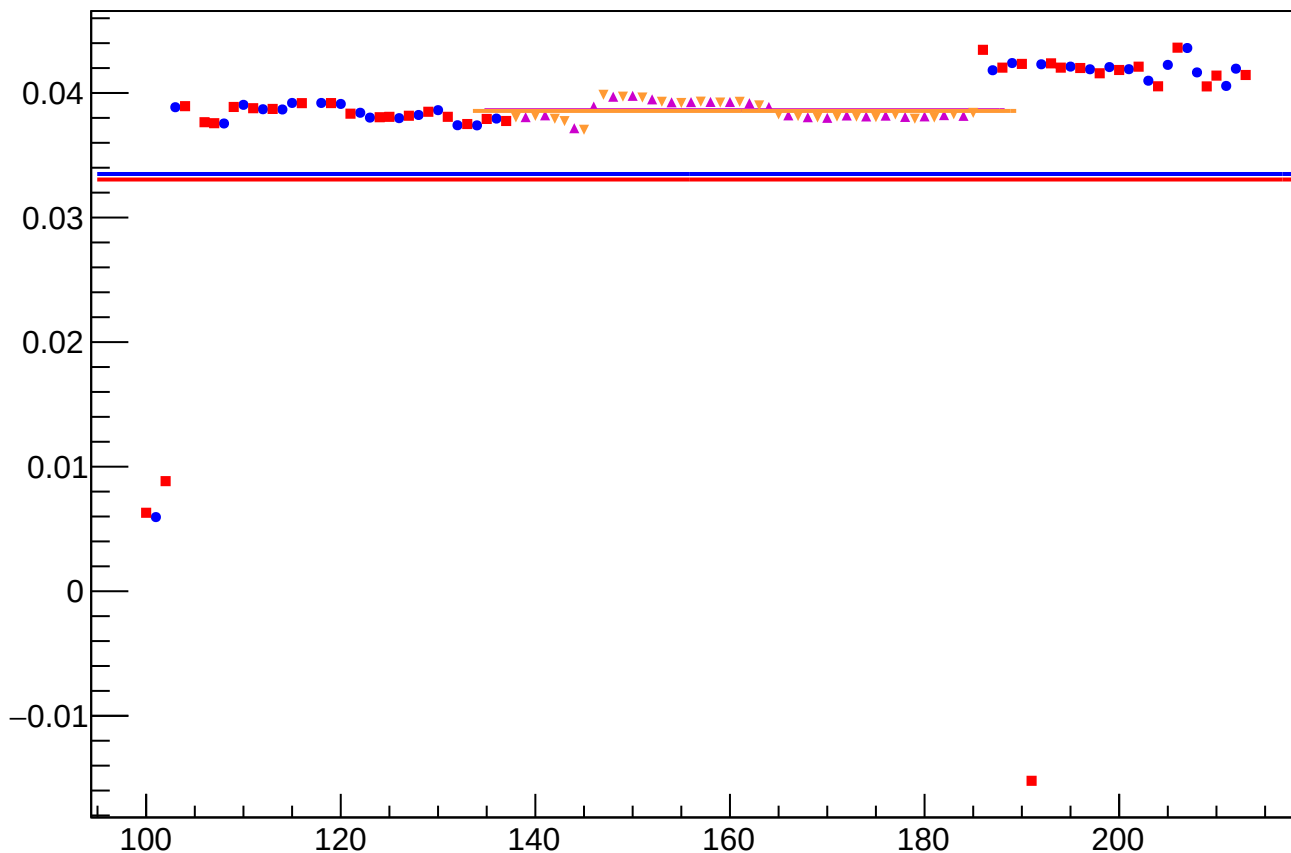
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 29416863.6/54

All: 0.000+/-0.000 χ^2/NDF : 50777161.9/111

- sign 0.000+/-0.000 χ^2/NDF : 16967873.6/56

yield_atr1_mean vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 118675481101.6/29

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 184087655087.6/33

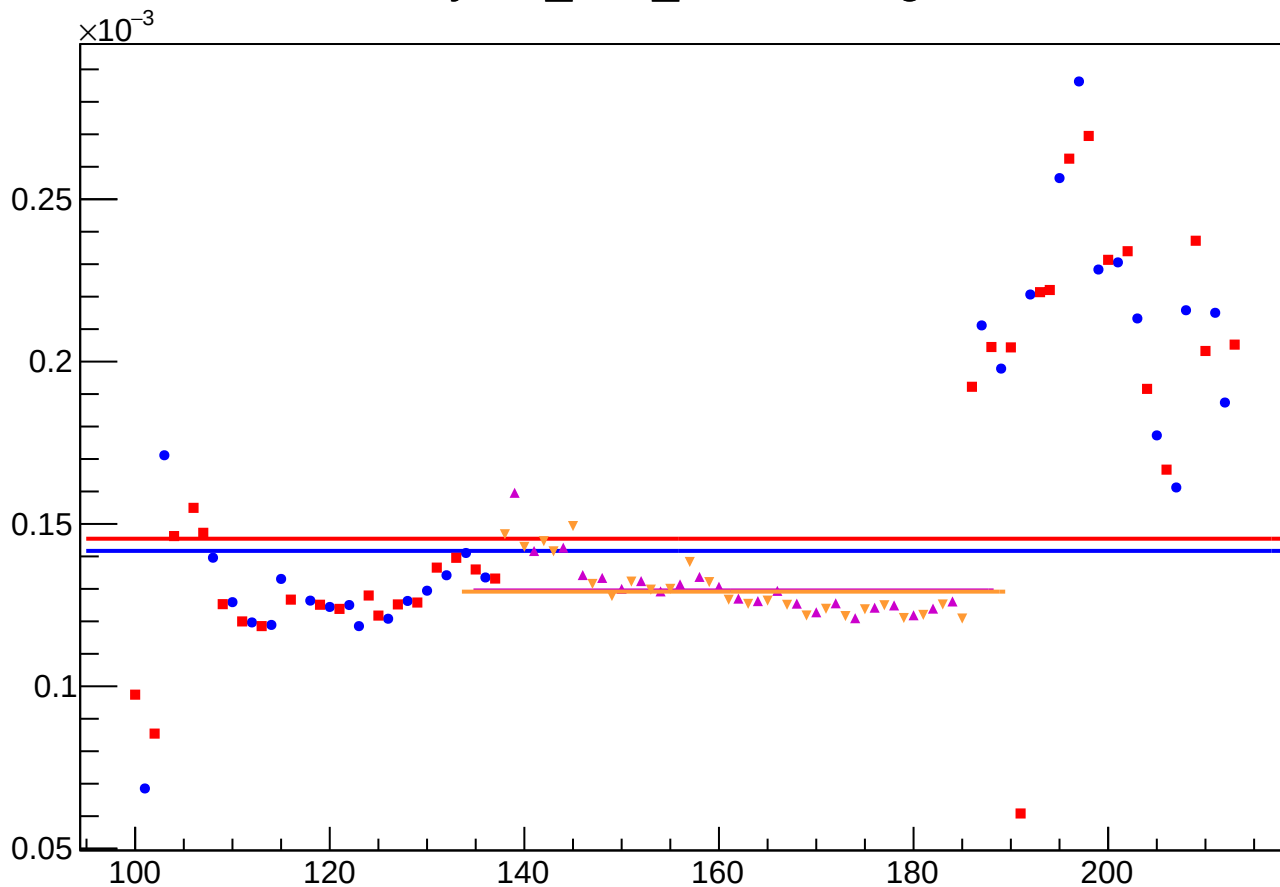
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 129859217162.9/54

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 327249706114.1

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 197335865710.1/56

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3618884.5/29

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3507903.4/33

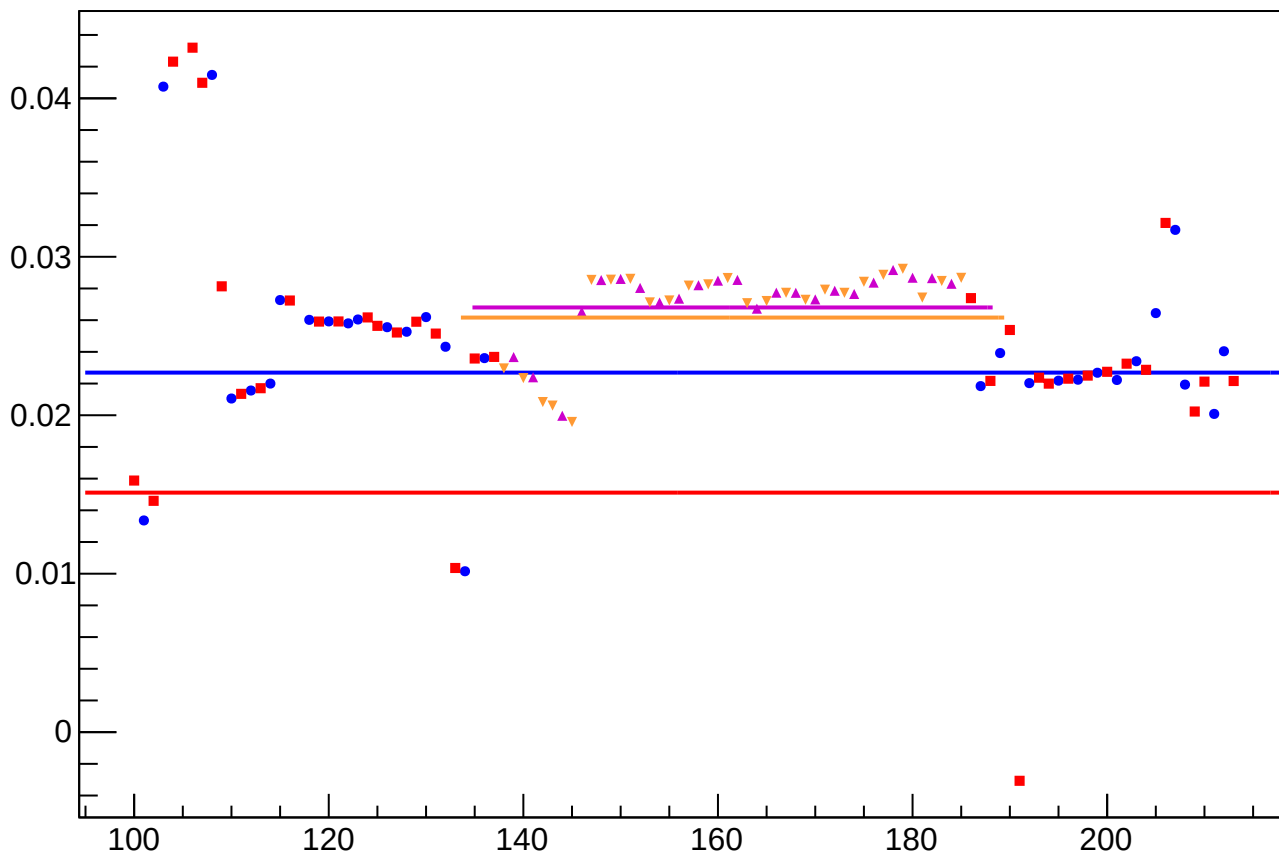
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3880031.5/54

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7718905.3/111

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3831879.2/56

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4422993983.7/29

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 31762198373.4/33

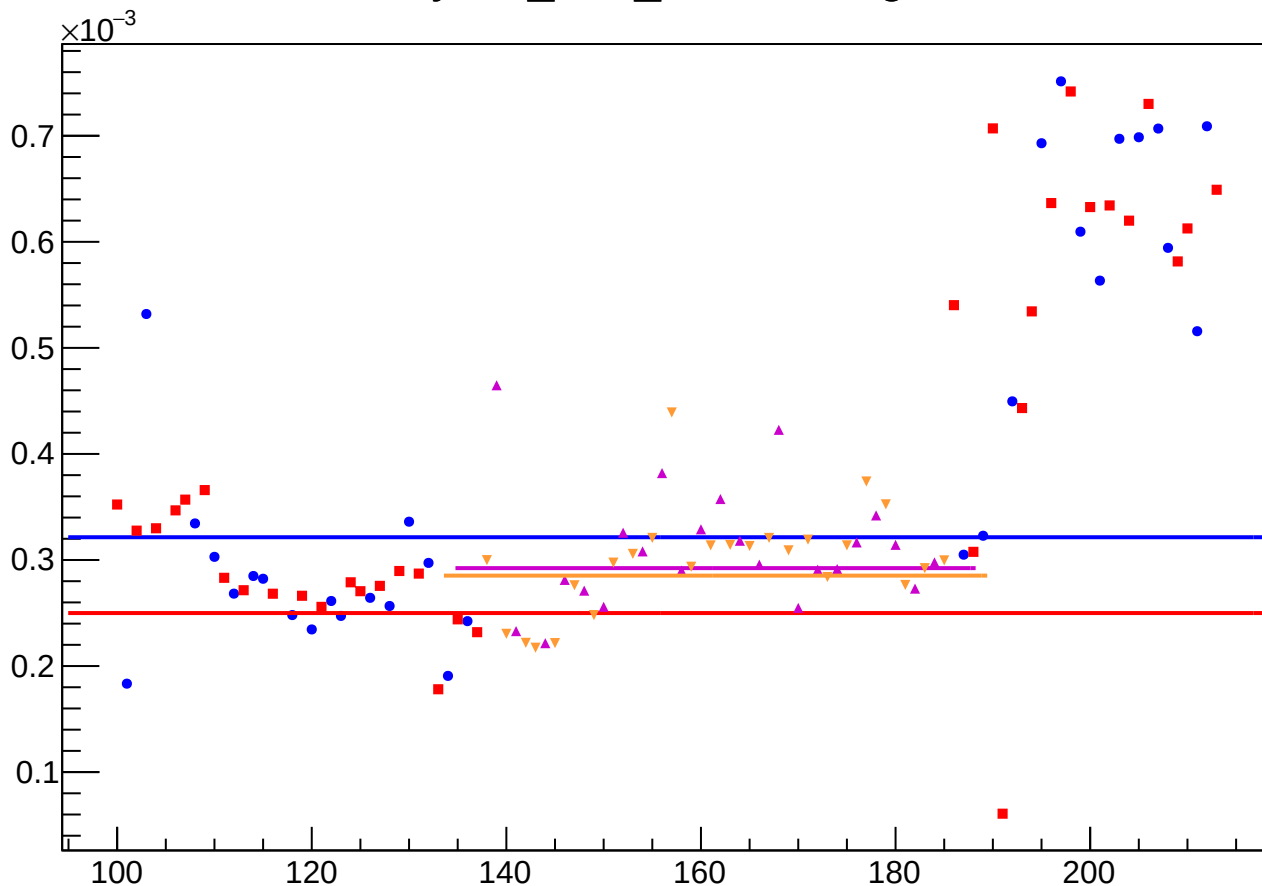
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7371578365.3/54

All: 0.023+/-0.000 χ^2/NDF : 54847954190.8/1

- sign 0.021+/-0.000 χ^2/NDF : 45190822298.1/56

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5358877.2/29

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10357974.3/33

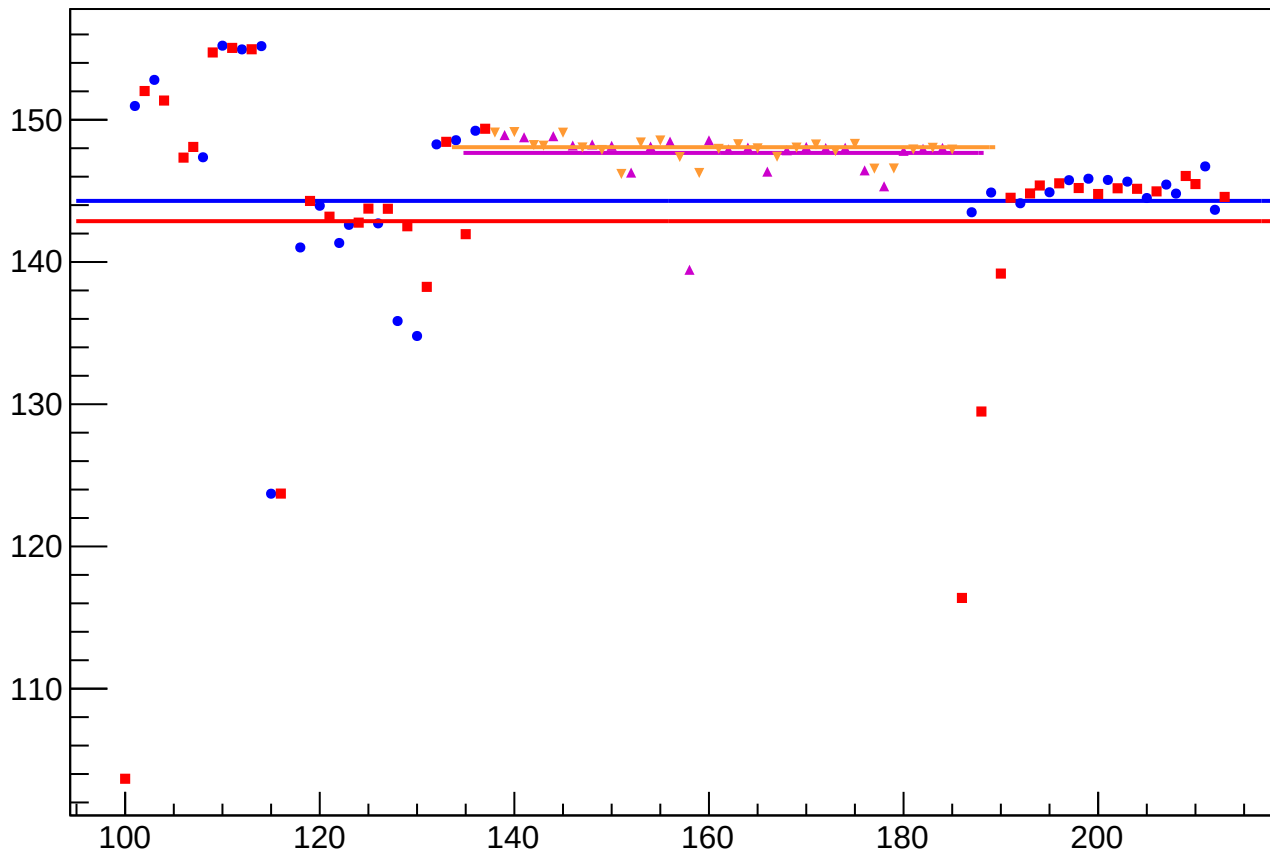
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6365995.8/54

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 18176770.6/111

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11574710.1/56

yield_bcm_an_ds_mean vs Slug



Right In: 144.297 $\pm$ 0.000 χ^2 /NDF: 3503666446.4/29

Left Out: 148.073 $\pm$ 0.000 χ^2 /NDF: 65614067.4/24

Right Out: 142.872 $\pm$ 0.000 χ^2 /NDF: 7450594169.7/33

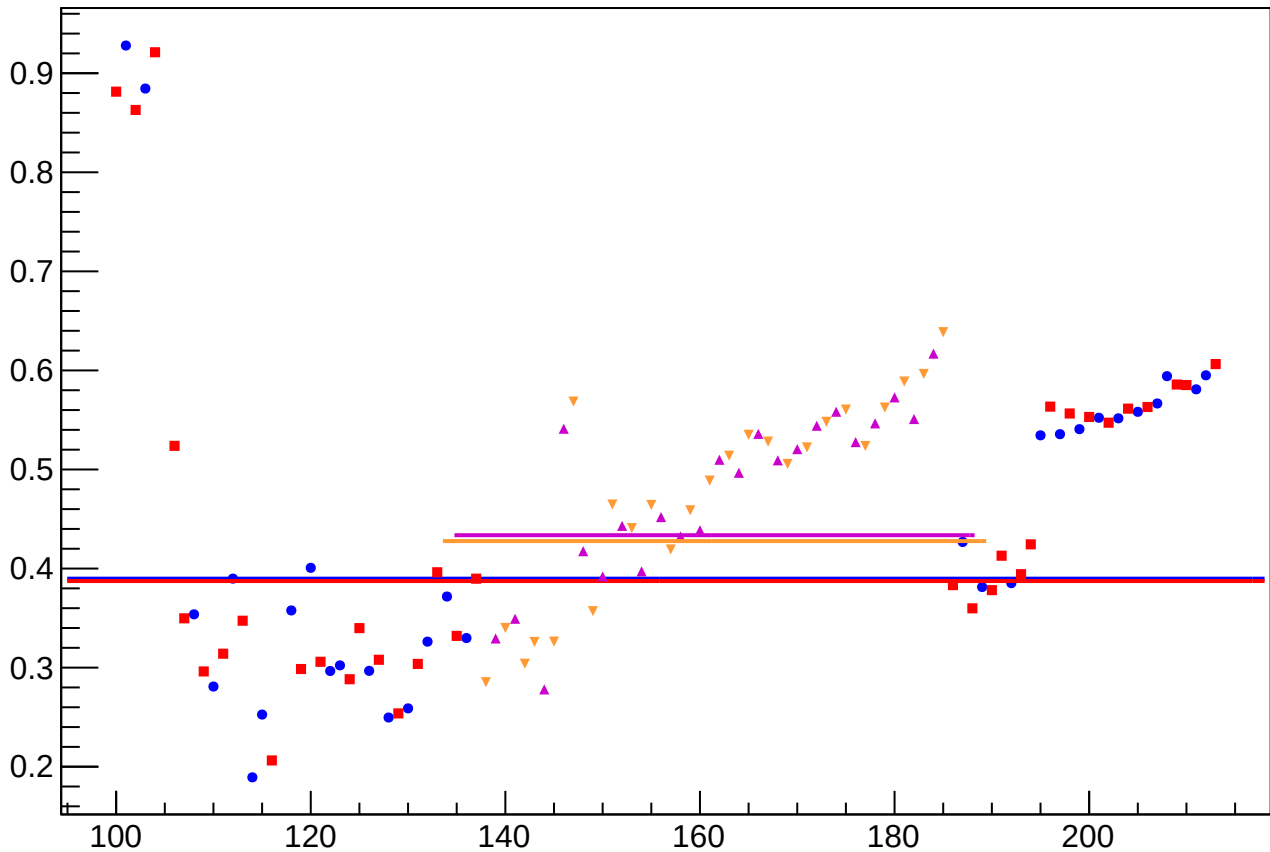
Left In: 147.670 $\pm$ 0.000 χ^2 /NDF: 345222604.4/22

+ sign 146.228 $\pm$ 0.000 χ^2 /NDF: 4215619129.3/54

All: 145.663 $\pm$ 0.000 χ^2 /NDF: 13188691050.

- sign 145.109 $\pm$ 0.000 χ^2 /NDF: 8858315239.1/56

yield_bcm_an_ds_rms vs Slug



Right In: 0.390 $\pm$ 0.000 χ^2 /NDF: 3238765.6/29

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.387 $\pm$ 0.000 χ^2 /NDF: 3083766.7/33

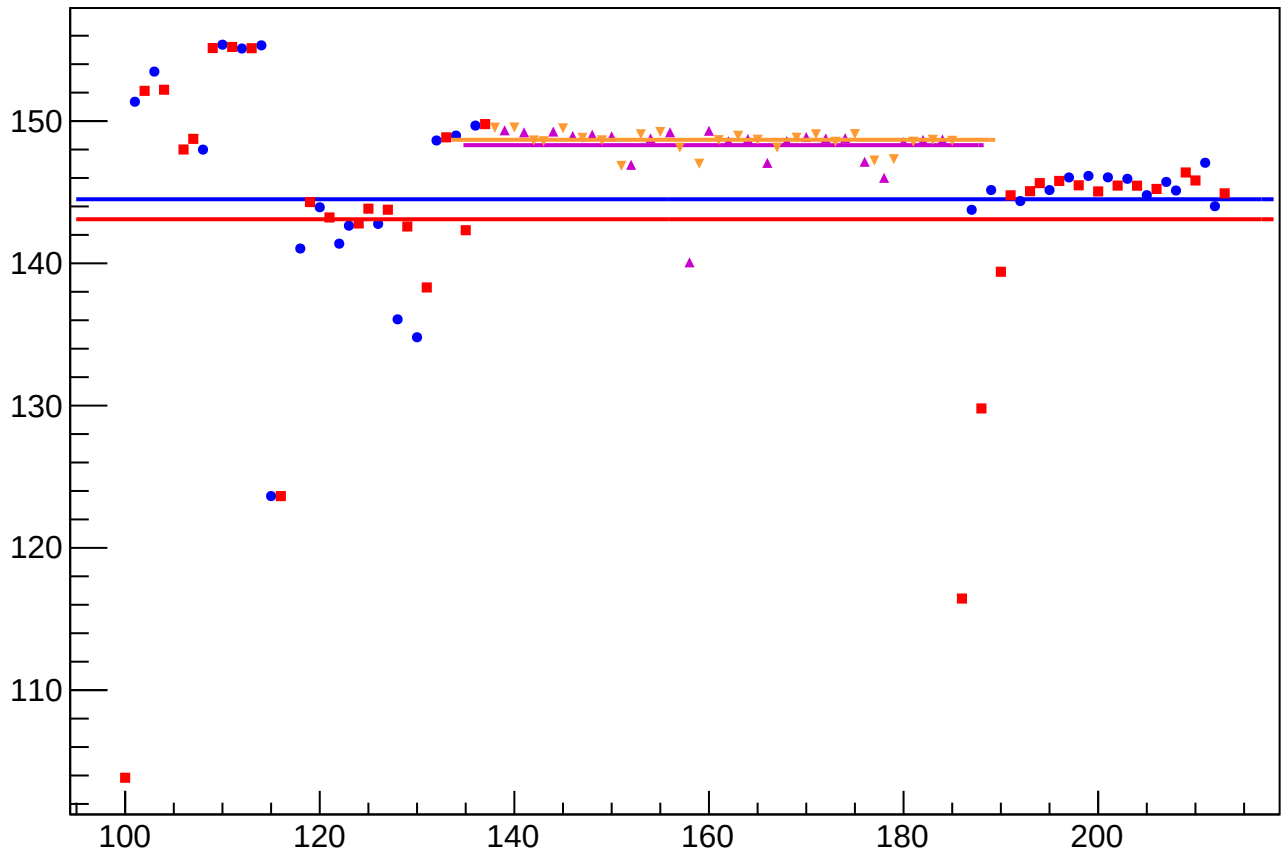
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.409 $\pm$ 0.000 χ^2 /NDF: 5266071.9/54

All: 0.409 $\pm$ 0.000 χ^2 /NDF: 10043702.2/111

- sign 0.409 $\pm$ 0.000 χ^2 /NDF: 4777621.8/56

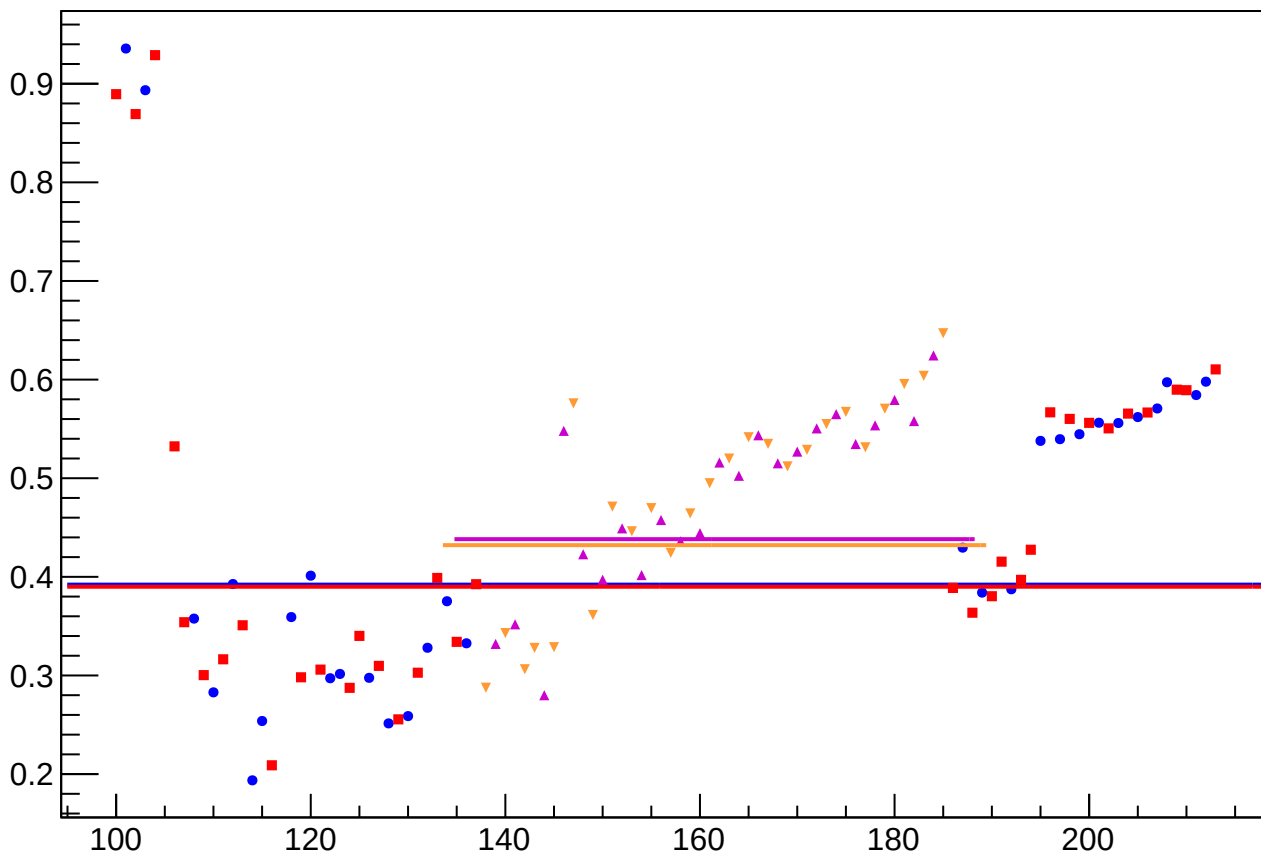
yield_bcm_an_ds3_mean vs Slug



Right In: 144.505 $\pm$ 0.000 χ^2 /NDF: 3554098339.8/29
 Left Out: 148.686 $\pm$ 0.000 χ^2 /NDF: 52218185.1/24
 Right Out: 143.099 $\pm$ 0.000 χ^2 /NDF: 7402242819.5/33
 Left In: 148.307 $\pm$ 0.000 χ^2 /NDF: 333585558.2/22

+ sign 146.634 $\pm$ 0.000 χ^2 /NDF: 4385963312.4/54
 All: 146.069 $\pm$ 0.000 χ^2 /NDF: 13463989840.
 - sign 145.517 $\pm$ 0.000 χ^2 /NDF: 8965634297.9/56

yield_bcm_an_ds3_rms vs Slug



Right In: 0.392 $\pm$ 0.000 χ^2 /NDF: 3245892.2/29

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1929031.5/24

Right Out: 0.390 $\pm$ 0.000 χ^2 /NDF: 3087559.4/33

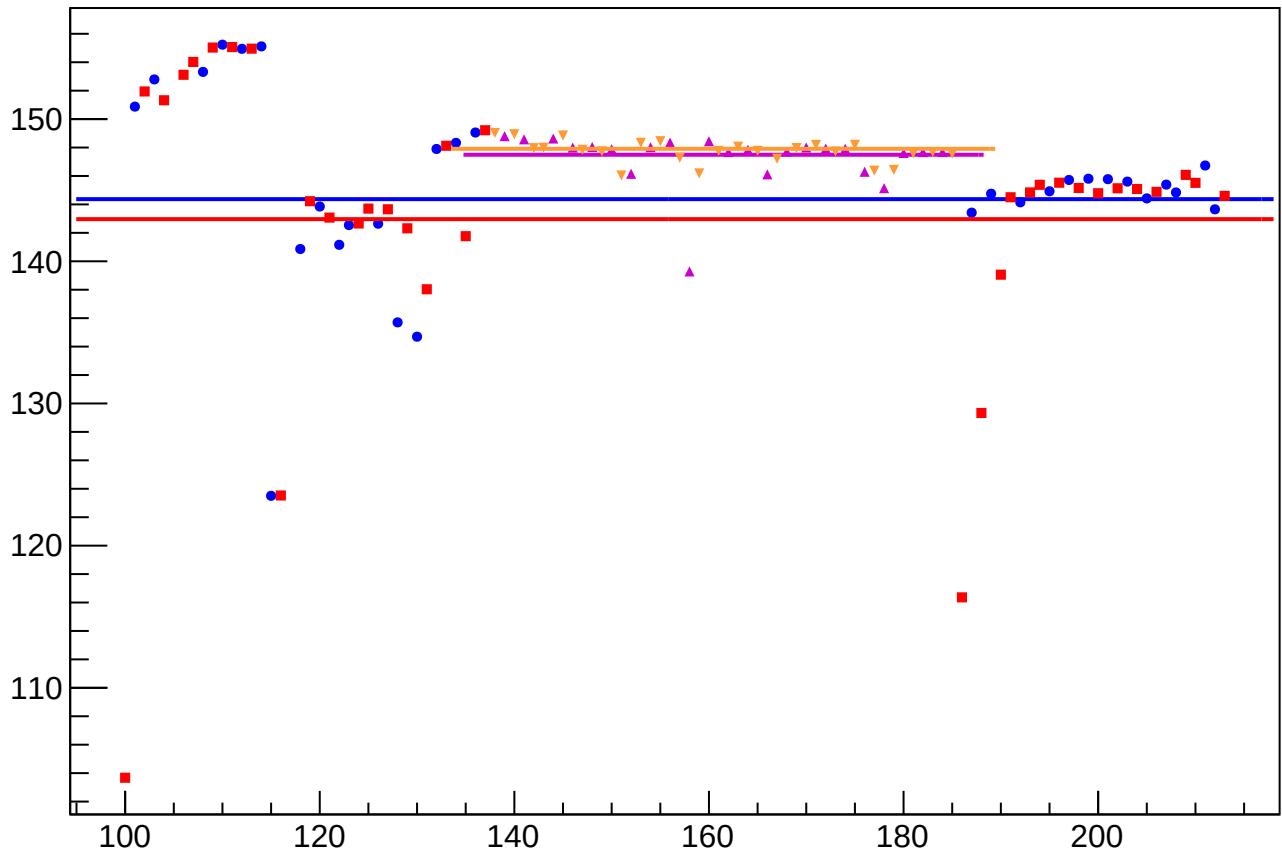
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.412 $\pm$ 0.000 χ^2 /NDF: 5317731.6/54

All: 0.412 $\pm$ 0.000 χ^2 /NDF: 10138000.9/111

- sign 0.412 $\pm$ 0.000 χ^2 /NDF: 4820267.2/56

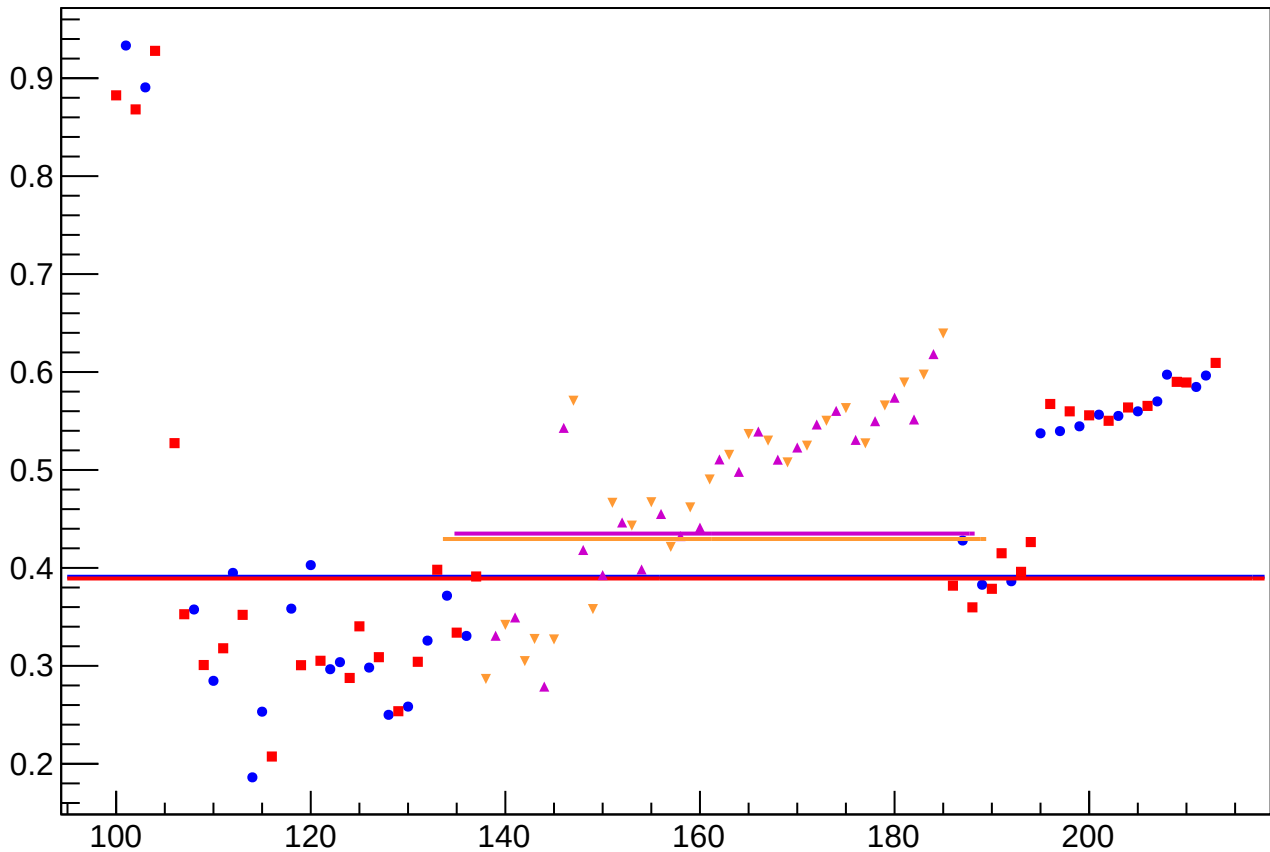
yield_bcm_an_us_mean vs Slug



Right In: 144.370 ± 0.000 χ^2/NDF : 3709289665.7/29
 Left Out: 147.911 ± 0.000 χ^2/NDF : 64412407.9/24
 Right Out: 142.964 ± 0.000 χ^2/NDF : 7824921810.3/33
 Left In: 147.493 ± 0.000 χ^2/NDF : 343978473.2/22

+ sign 146.180 ± 0.000 χ^2/NDF : 4337606638.7/54
 All: 145.624 ± 0.000 χ^2/NDF : 13555682796.
 - sign 145.080 ± 0.000 χ^2/NDF : 9107850771.2/56

yield_bcm_an_us_rms vs Slug



Right In: 0.391 ± 0.000 $\chi^2/\text{NDF}: 3274645.7/29$

Left Out: 0.430 ± 0.000 $\chi^2/\text{NDF}: 1895701.4/24$

Right Out: 0.389 ± 0.000 $\chi^2/\text{NDF}: 3090686.0/33$

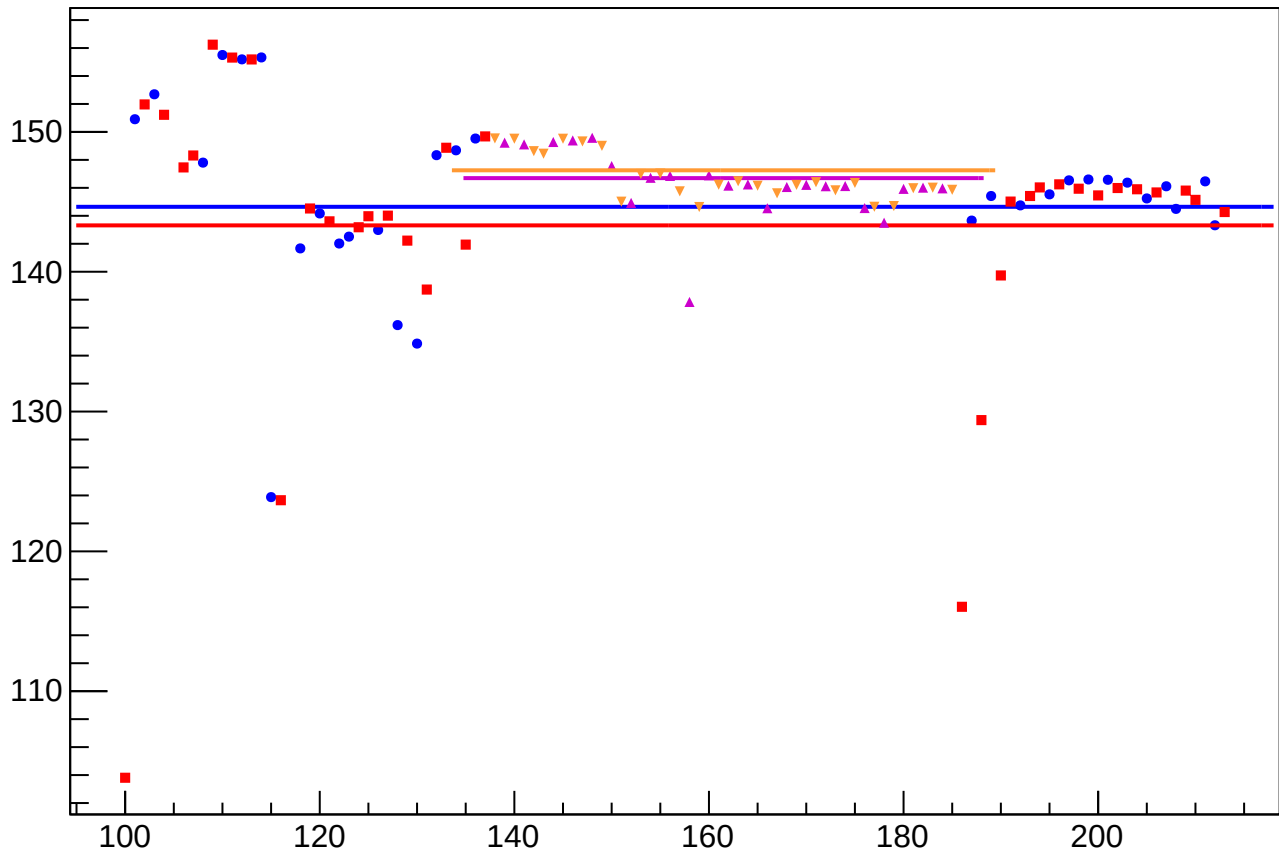
Left In: 0.435 ± 0.000 $\chi^2/\text{NDF}: 1502712.5/22$

+ sign 0.411 ± 0.000 $\chi^2/\text{NDF}: 5304003.3/54$

All: 0.411 ± 0.000 $\chi^2/\text{NDF}: 10089872.0/111$

- sign 0.411 ± 0.000 $\chi^2/\text{NDF}: 4785868.0/56$

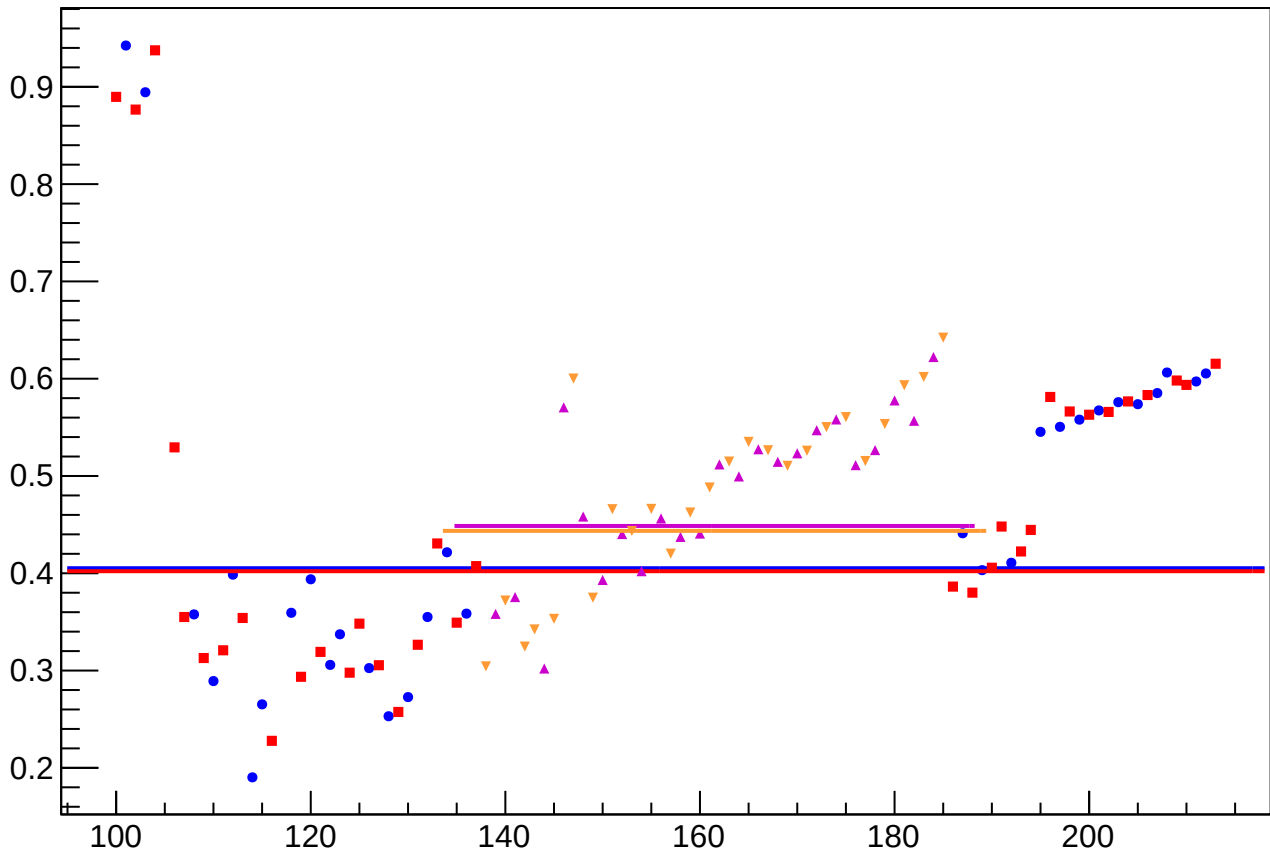
yield_bcm_dg_us_mean vs Slug



Right In: 144.644+/-0.000 χ^2/NDF : 3232422586.3/29
 Left Out: 147.255+/-0.000 χ^2/NDF : 262138049.8/24
 Right Out: 143.315+/-0.000 χ^2/NDF : 7143560390.2/33
 Left In: 146.695+/-0.000 χ^2/NDF : 557896803.1/22

+ sign 145.989+/-0.000 χ^2/NDF : 3782302486.3/54
 All: 145.441+/-0.000 χ^2/NDF : 12077751048.
 - sign 144.906+/-0.000 χ^2/NDF : 8195023908.5/56

yield_bcm_dg_us_rms vs Slug



Right In: 0.405 $\pm$ 0.000 χ^2 /NDF: 3168739.0/29

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.402 $\pm$ 0.000 χ^2 /NDF: 2986554.9/33

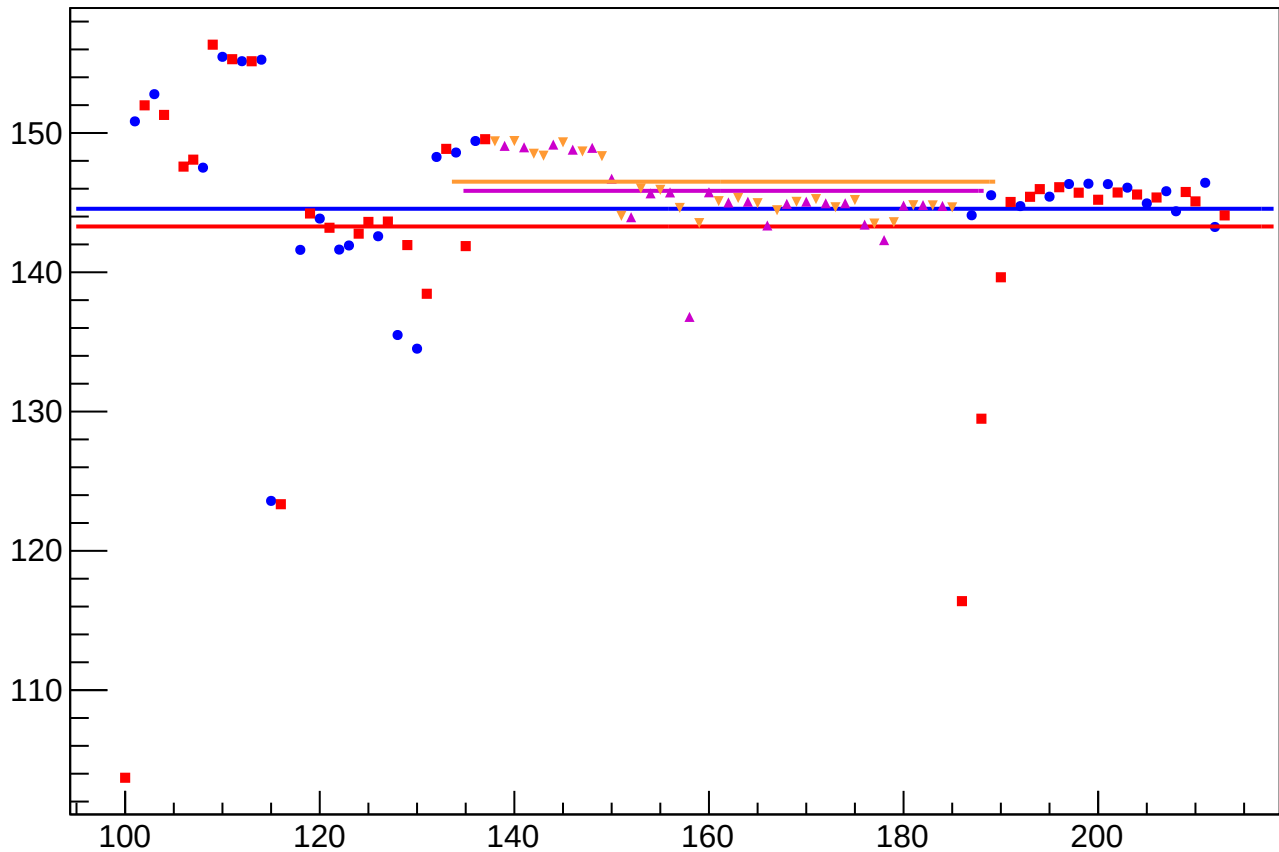
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.425 $\pm$ 0.000 χ^2 /NDF: 4776711.6/54

All: 0.424 $\pm$ 0.000 χ^2 /NDF: 9082979.8/111

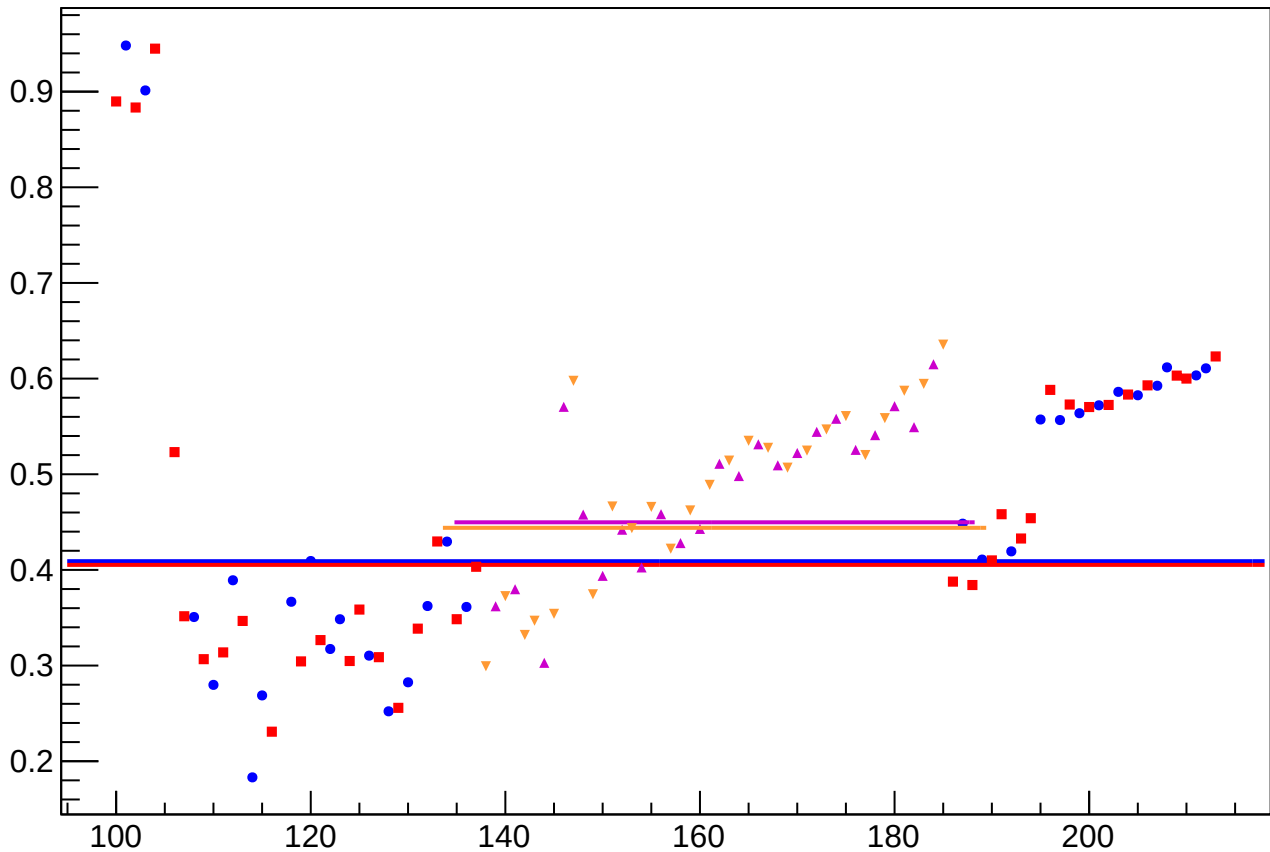
- sign 0.424 $\pm$ 0.000 χ^2 /NDF: 4306113.0/56

yield_bcm_dg_ds_mean vs Slug



Right In: 144.559 $\pm$ 0.000	χ^2 /NDF: 3342359983.3/29	+ sign 145.572 $\pm$ 0.000	χ^2 /NDF: 3901783922.0/54
Left Out: 146.505 $\pm$ 0.000	χ^2 /NDF: 401688176.3/24	All: 145.030 $\pm$ 0.000	χ^2 /NDF: 12068905343.
Right Out: 143.288 $\pm$ 0.000	χ^2 /NDF: 7095918472.1/33	- sign 144.501 $\pm$ 0.000	χ^2 /NDF: 8070175148.1/56
Left In: 145.847 $\pm$ 0.000	χ^2 /NDF: 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.409 $\pm$ 0.000 χ^2 /NDF: 3215675.9/29

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.405 $\pm$ 0.000 χ^2 /NDF: 3022536.2/33

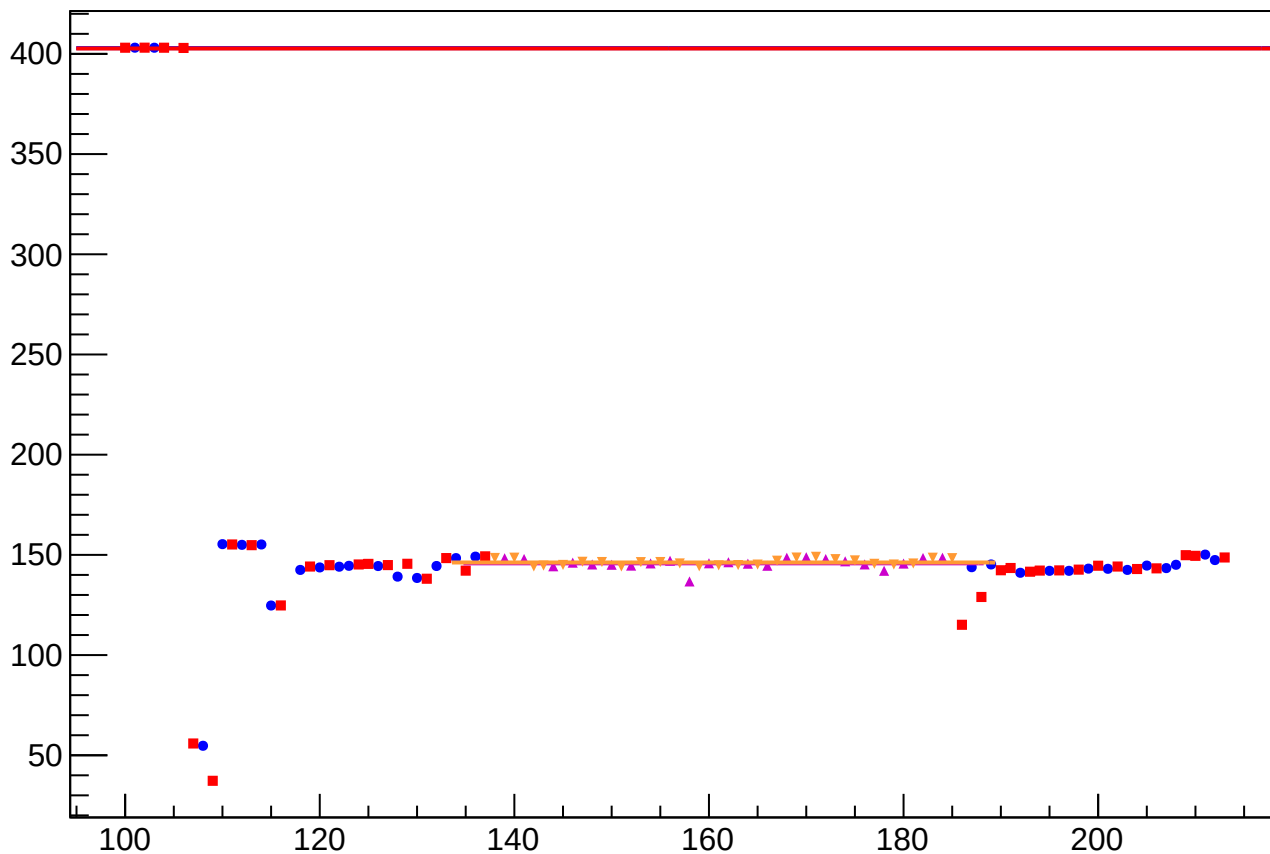
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.427 $\pm$ 0.000 χ^2 /NDF: 4780375.5/54

All: 0.427 $\pm$ 0.000 χ^2 /NDF: 9077586.1/111

- sign 0.426 $\pm$ 0.000 χ^2 /NDF: 4297068.9/56

yield_cav4bQ_mean vs Slug



Right In: 402.869+/-0.000 χ^2/NDF : 1808461392903.5/29

Left Out: 146.205+/-0.000 χ^2/NDF : 86658381.3/24

Right Out: 402.694+/-0.000 χ^2/NDF : 4064213651422.7/33

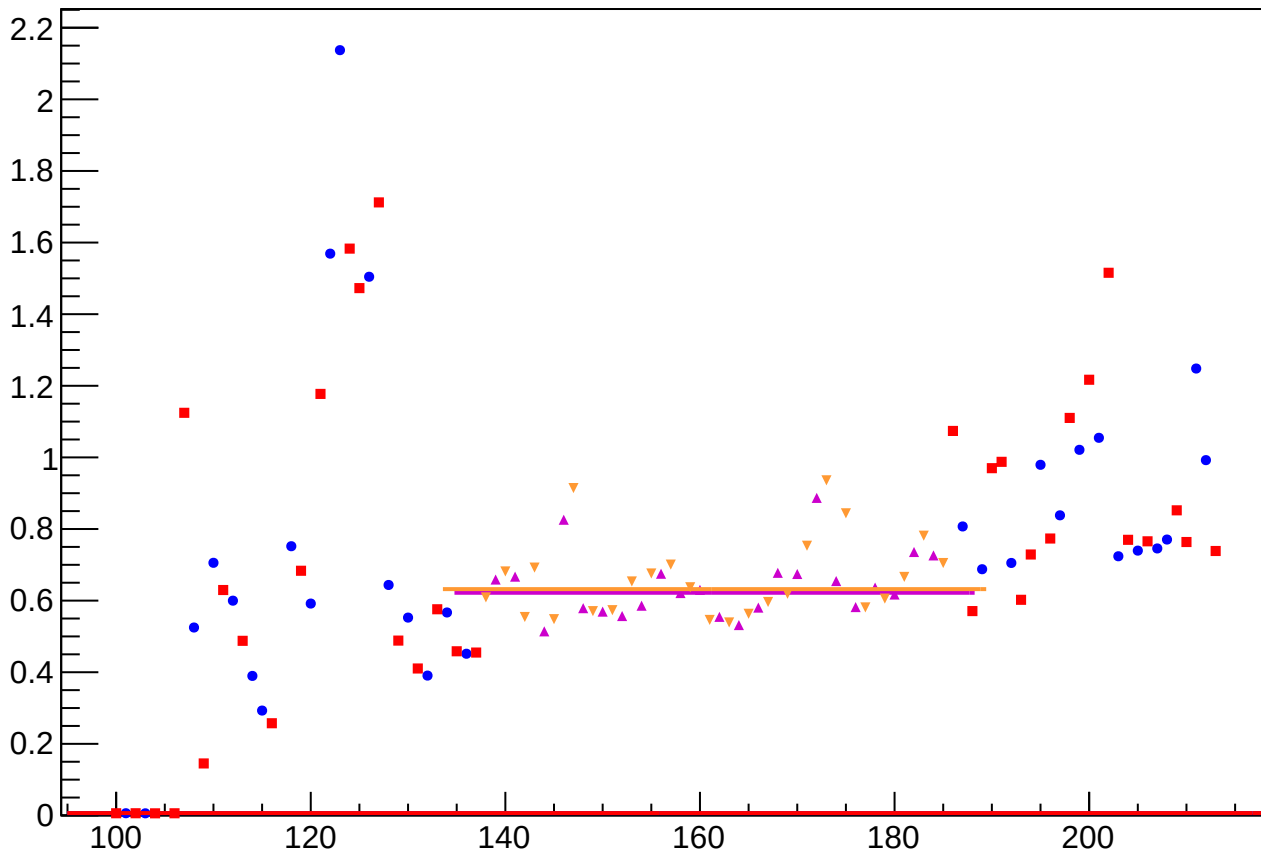
Left In: 145.773+/-0.000 χ^2/NDF : 207332354.9/22

+ sign 402.573+/-0.000 χ^2/NDF : 4178824753582.2

All: 402.500+/-0.000 χ^2/NDF : 10588890583

- sign 402.436+/-0.000 χ^2/NDF : 6409754550195.2

yield_cav4bQ_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 23709580.2/29

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

Right Out: 0.007+/-0.000 χ^2/NDF : 26266291.7/33

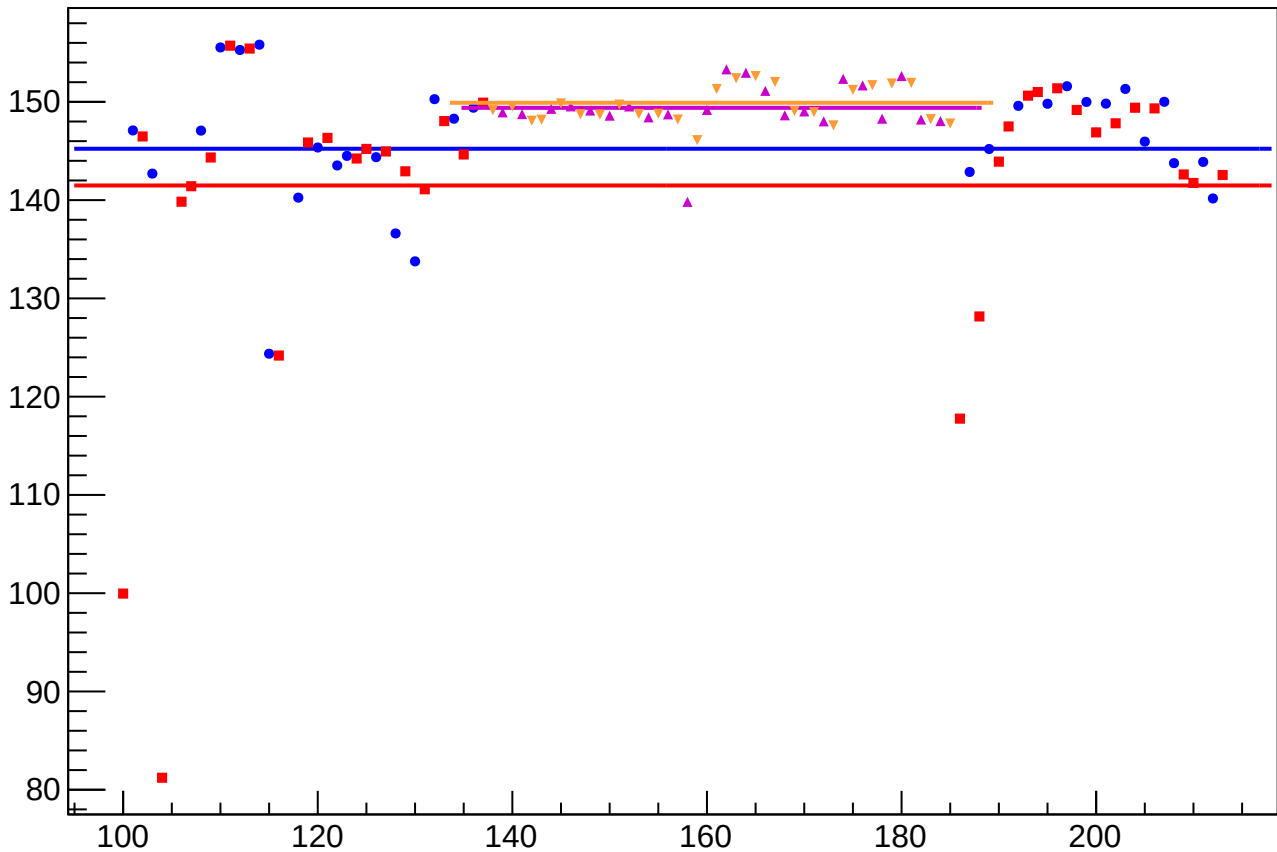
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 52478193.1/54

All: 0.007+/-0.000 χ^2/NDF : 106053432.5/111

- sign 0.007+/-0.000 χ^2/NDF : 53574976.8/56

yield_cav4cQ_mean vs Slug



Right In: 145.229+/-0.000 χ^2/NDF : 1360246864.2/29

Left Out: 149.906+/-0.000 χ^2/NDF :163261802.4/24

Right Out: 141.491+/-0.000 χ^2/NDF : 3251497861.1/33

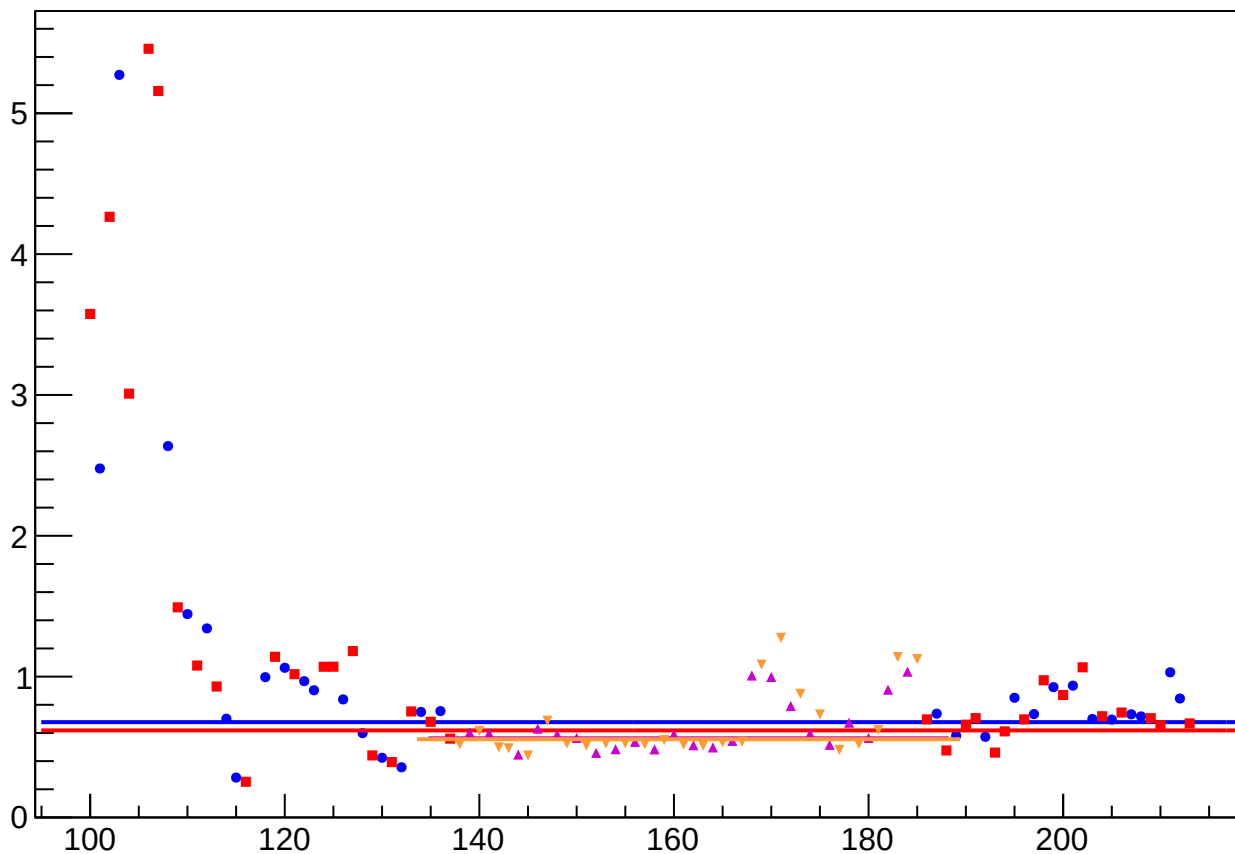
Left In: 149.391+/-0.000 χ^2/NDF :437129920.4/22

+ sign 148.410+/-0.000 χ^2/NDF : 1879818894.4/54

All: 147.321+/-0.000 χ^2/NDF : 6911044566.4

- sign 146.282+/-0.000 χ^2/NDF : 4857623642.0/56

yield_cav4cQ_rms vs Slug



Right In: 0.677 ± 0.000 χ^2/NDF : 4185701.4/29

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.618 ± 0.000 χ^2/NDF : 5583135.3/33

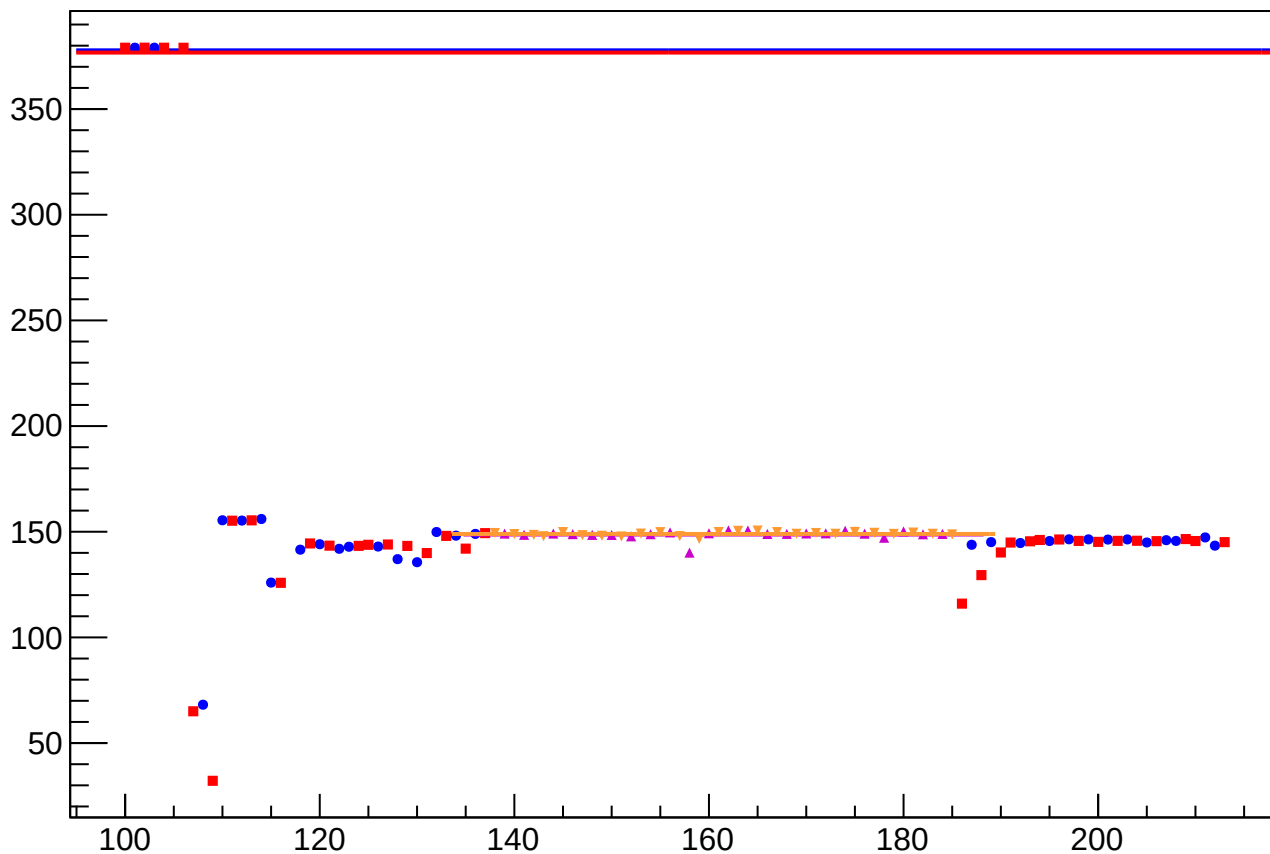
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.594 ± 0.000 χ^2/NDF : 6438703.2/54

All: 0.589 ± 0.000 χ^2/NDF : 13458233.4/111

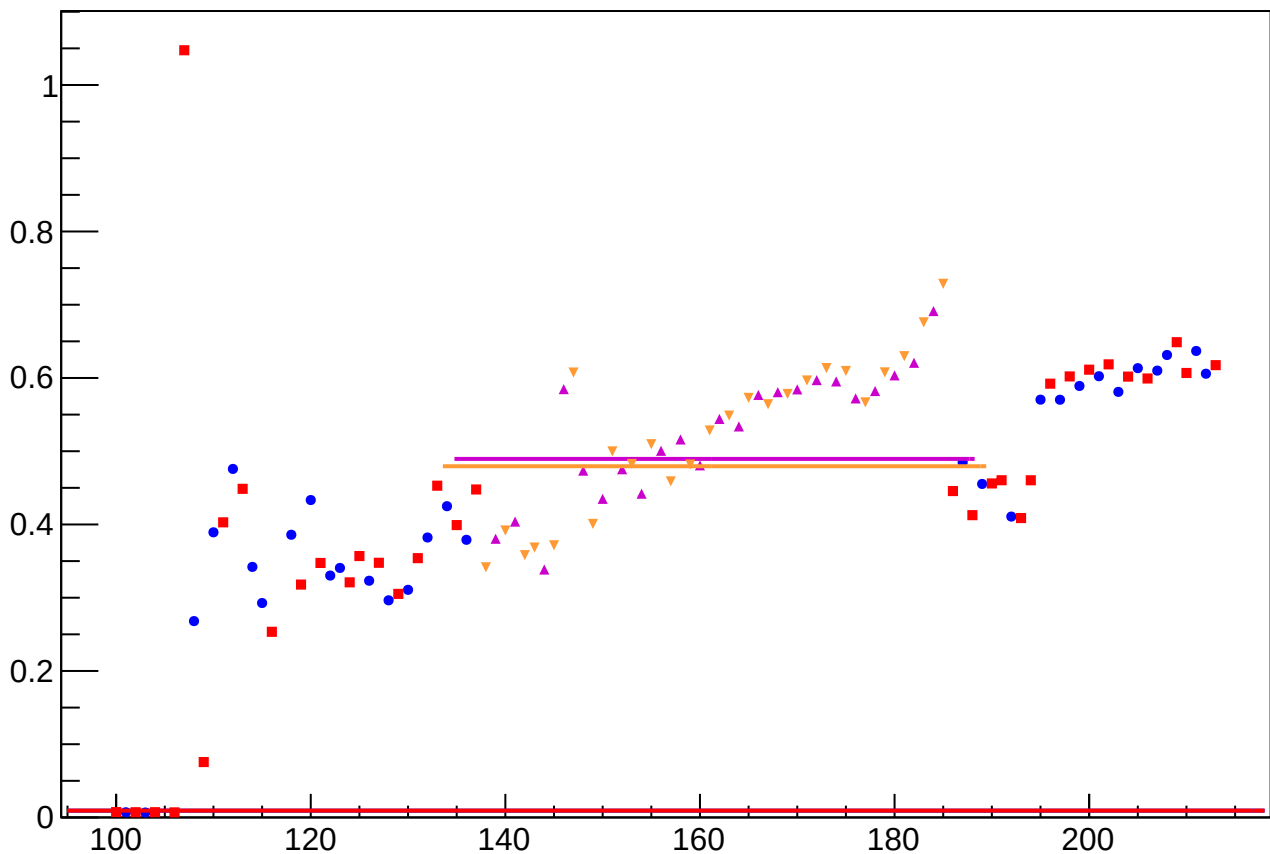
- sign 0.584 ± 0.000 χ^2/NDF : 7011718.4/56

yield_cav4dQ_mean vs Slug



Right In: 377.791+/-0.000	χ^2/NDF : 4030112928763.2/29	+ sign 376.515+/-0.000	χ^2/NDF : 7928734002372.7
Left Out: 148.946+/-0.000	χ^2/NDF : 63974844.7/24	All: 376.087+/-0.000	χ^2/NDF : 217499646823
Right Out: 376.740+/-0.000	χ^2/NDF : 10248591637419.9/33	- sign 375.711+/-0.000	χ^2/NDF : 13816619753887.8
Left In: 148.683+/-0.000	χ^2/NDF : 253848207.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 27017845.6/29

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 28673144.5/33

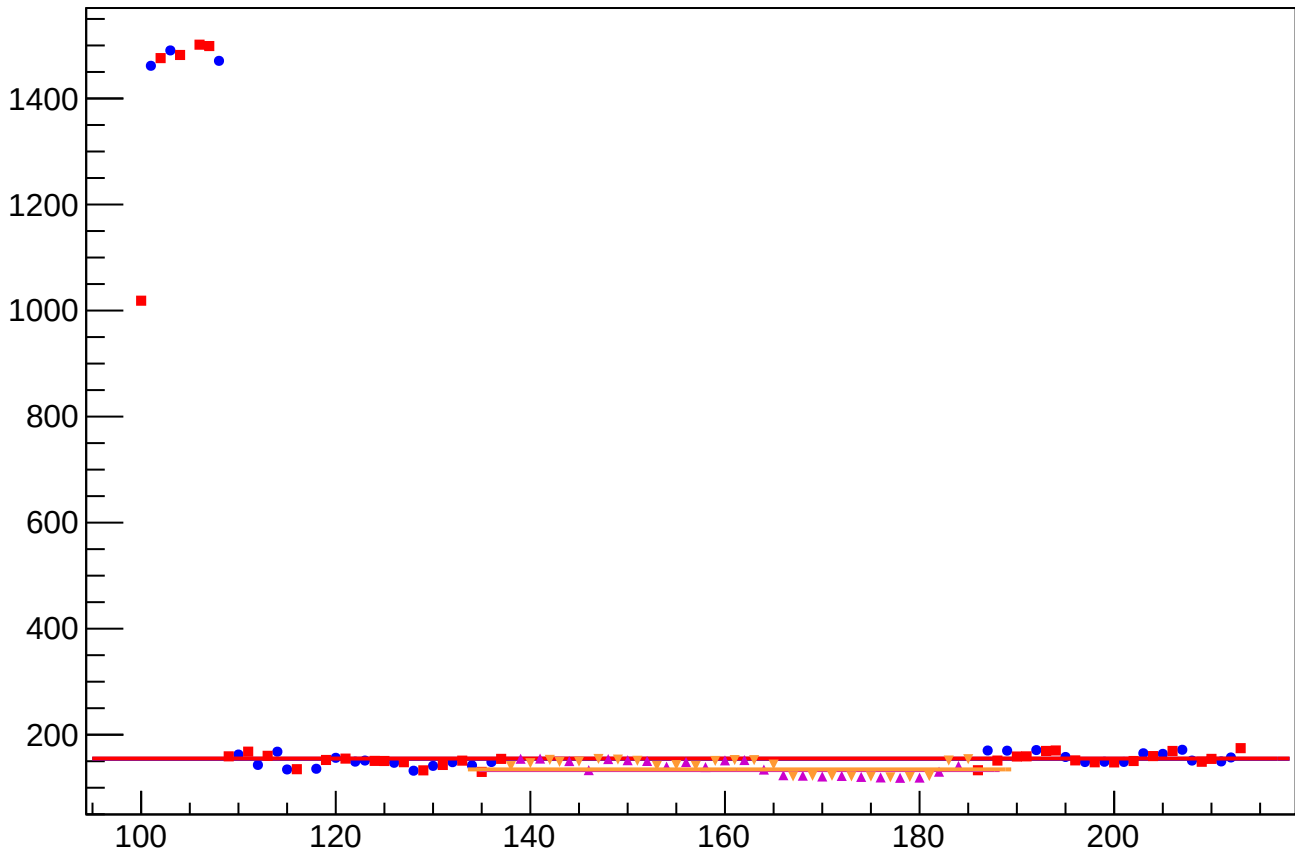
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 61454857.6/54

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 122854460.1/111

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 61397311.7/56

yield_bcm0l02_mean vs Slug



Right In: 154.531+/-0.000 χ^2/NDF : 25958528406.1/29

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 155.079+/-0.000 χ^2/NDF : 35198863848.3/33

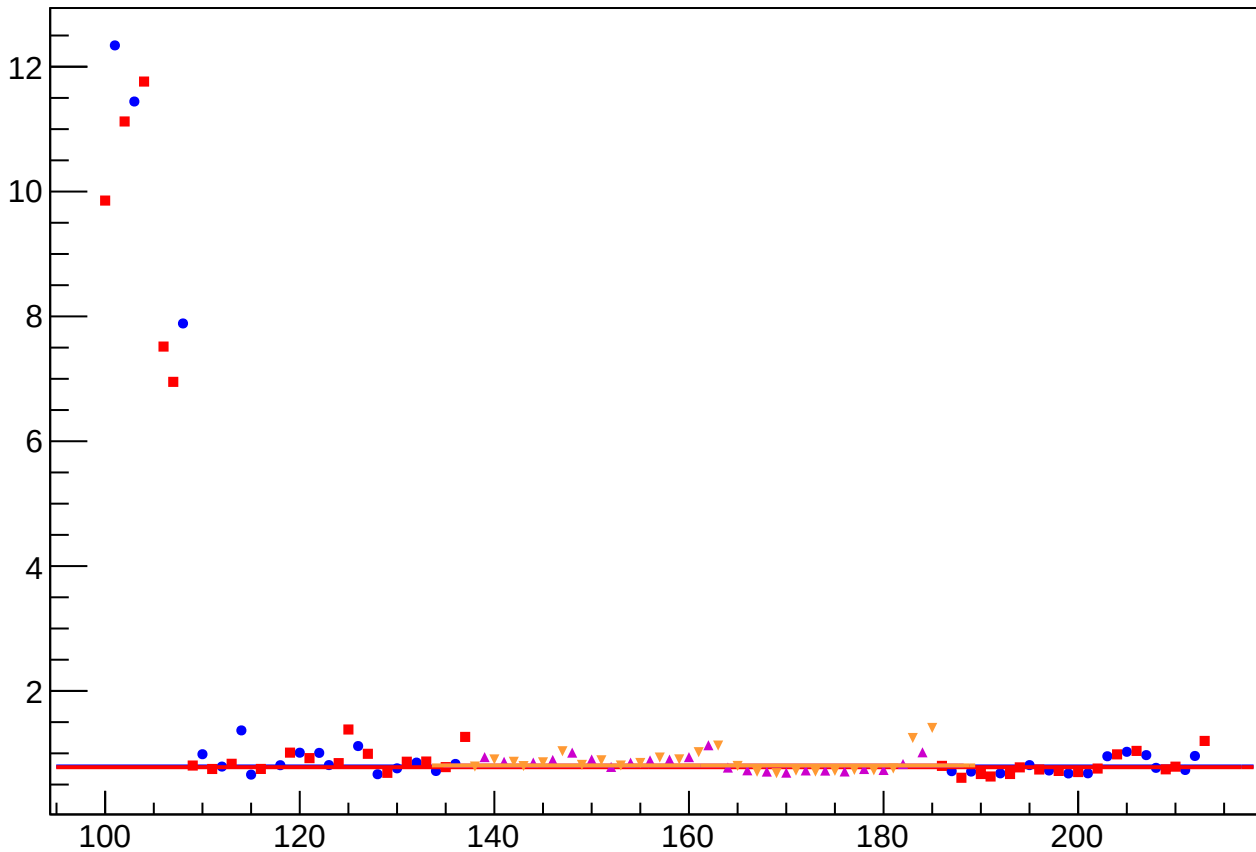
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 143.372+/-0.000 χ^2/NDF : 34506834923.3/54

All: 143.534+/-0.000 χ^2/NDF : 79246817855.1

- sign 143.690+/-0.000 χ^2/NDF : 44737799496.2/56

yield_bcm0l02_rms vs Slug



Right In: 0.790 ± 0.000 χ^2/NDF : 3055910.1/29

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.778 ± 0.000 χ^2/NDF : 3447635.1/33

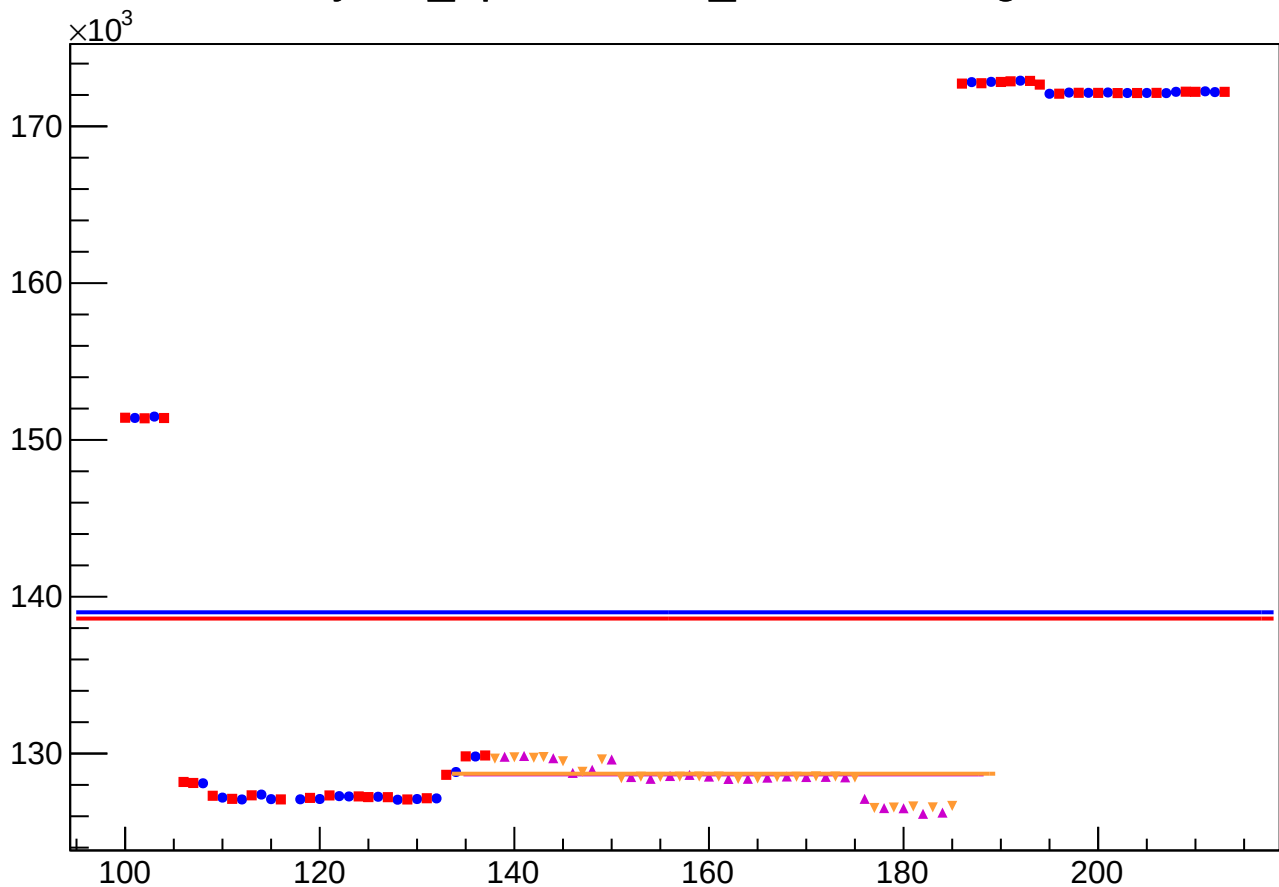
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.799 ± 0.000 χ^2/NDF : 3765762.4/54

All: 0.796 ± 0.000 χ^2/NDF : 7711136.6/111

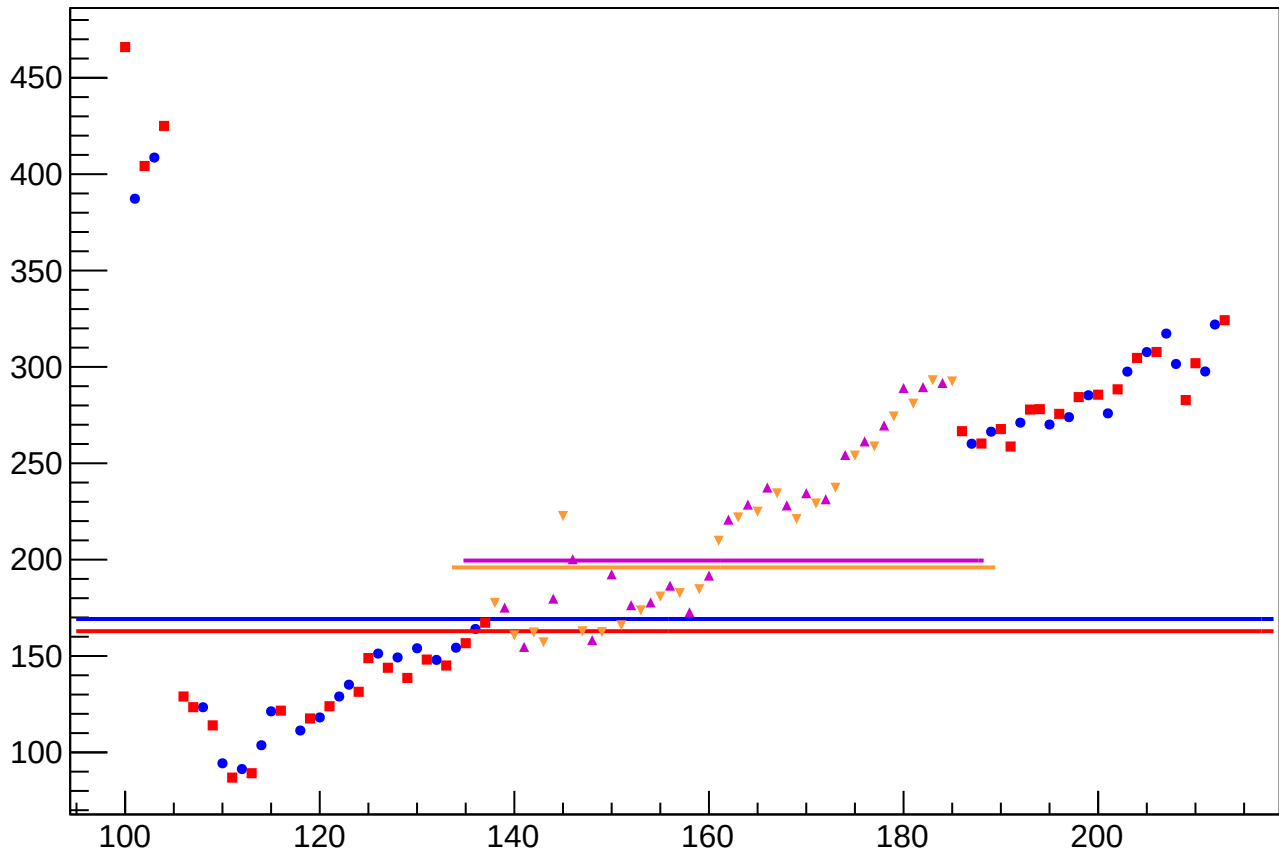
- sign 0.792 ± 0.000 χ^2/NDF : 3942886.2/56

yield_bpm2i01WS_mean vs Slug



Right In: 139008.108 $\pm$ 0.047 χ^2 /NDF: 167165776526.4/29
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 138608.247 $\pm$ 0.044 χ^2 /NDF: 190821532311.4/33
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22
 + sign 133782.088 $\pm$ 0.033 χ^2 /NDF: 191487214607
 All: 133976.734 $\pm$ 0.023 χ^2 /NDF: 405608824
 - sign 134164.584 $\pm$ 0.033 χ^2 /NDF: 214054224455

yield_bpm2i01WS_rms vs Slug



Right In: 169.200 $\pm$ 0.033 χ^2 /NDF: 5716564.1/29

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 162.876 $\pm$ 0.031 χ^2 /NDF: 6449188.1/33

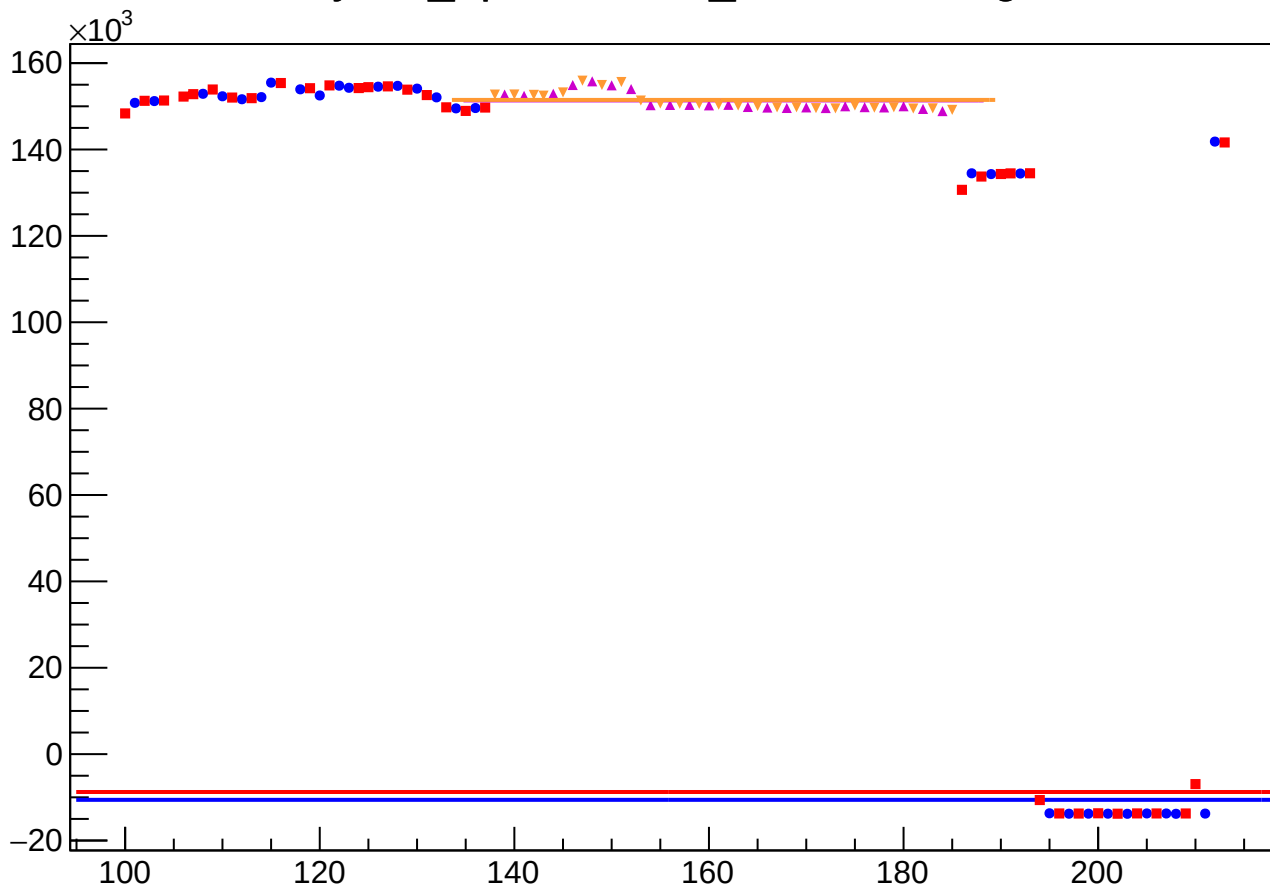
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 182.787 $\pm$ 0.024 χ^2 /NDF: 7356735.1/54

All: 180.995 $\pm$ 0.016 χ^2 /NDF: 15615694.0/11

- sign 179.266 $\pm$ 0.023 χ^2 /NDF: 8247535.0/56

yield_bpm0i07WS_mean vs Slug



Right In: -10582.071 ± 0.009

χ^2/NDF : 6047576716921.2/29

Left Out: 151480.339 ± 0.049

χ^2/NDF : 1483692735.3/24

Right Out: -8765.648 ± 0.010

χ^2/NDF : 7346482330308.8/33

Left In: 151362.440 ± 0.051

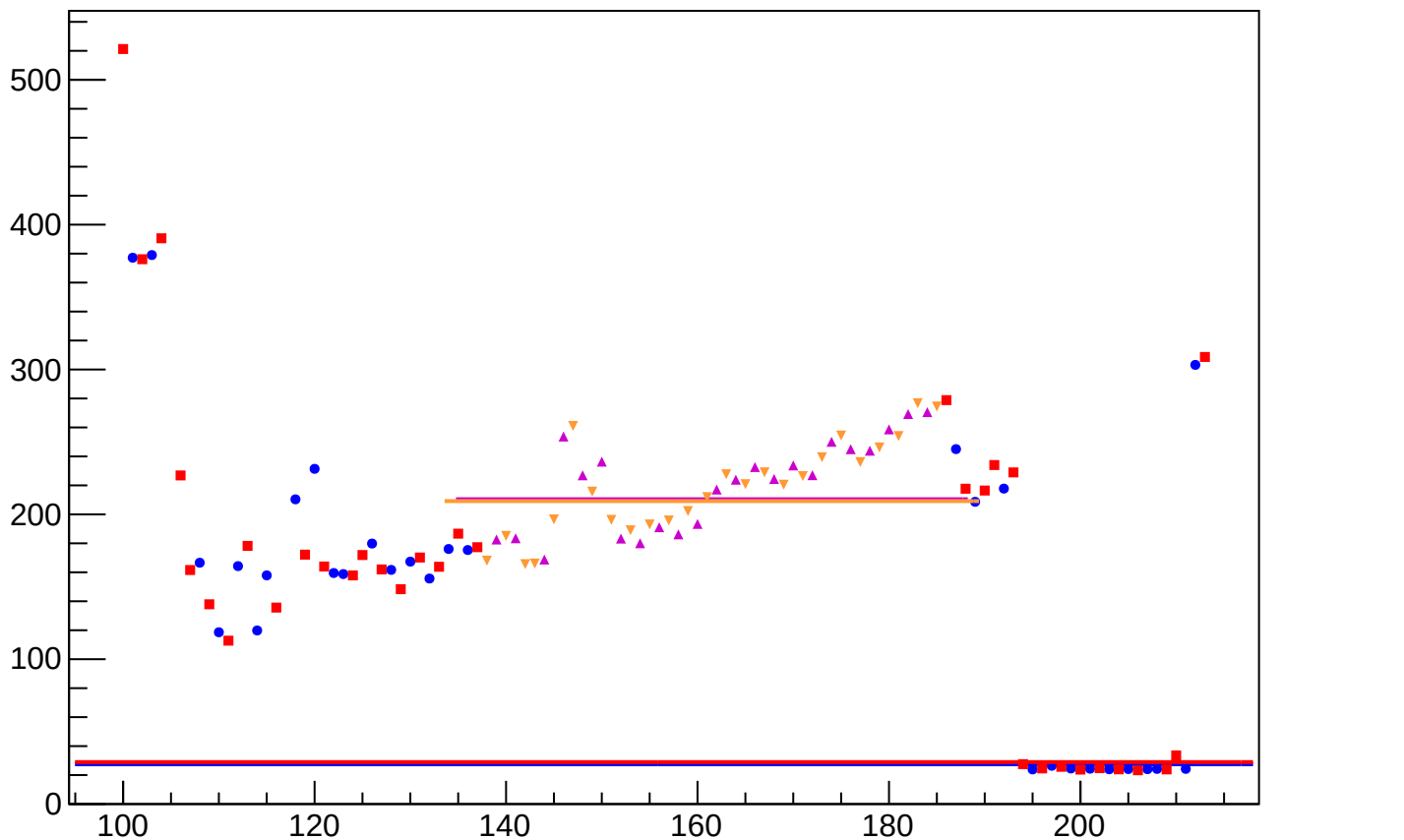
χ^2/NDF : 1426782789.9/22

+ sign -5171.129 ± 0.009 χ^2/NDF : 1642194591124

All: -4100.863 ± 0.007 χ^2/NDF : 3321044588

- sign -2826.190 ± 0.010 χ^2/NDF : 16757787470799

yield_bpm0i07WS_rms vs Slug



Right In: 27.493+/-0.007 χ^2/NDF : 12636230.6/29

Left Out: 209.156+/-0.035 χ^2/NDF : 710094.9/24

Right Out: 28.978+/-0.007 χ^2/NDF : 14742787.7/33

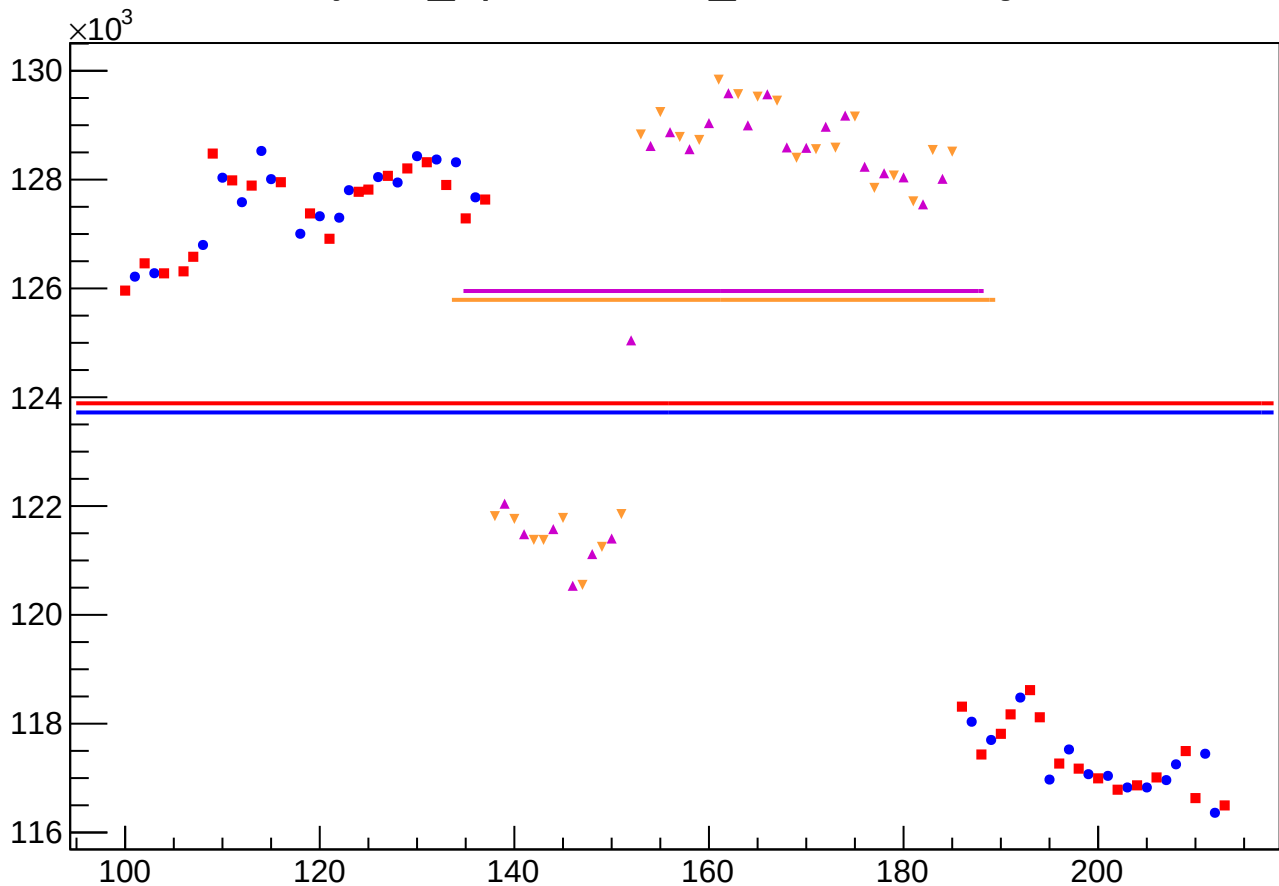
Left In: 210.431+/-0.036 χ^2/NDF : 684015.0/22

+ sign 33.559+/-0.006 χ^2/NDF : 39413518.4/54

All: 34.540+/-0.005 χ^2/NDF : 79058073.0/111

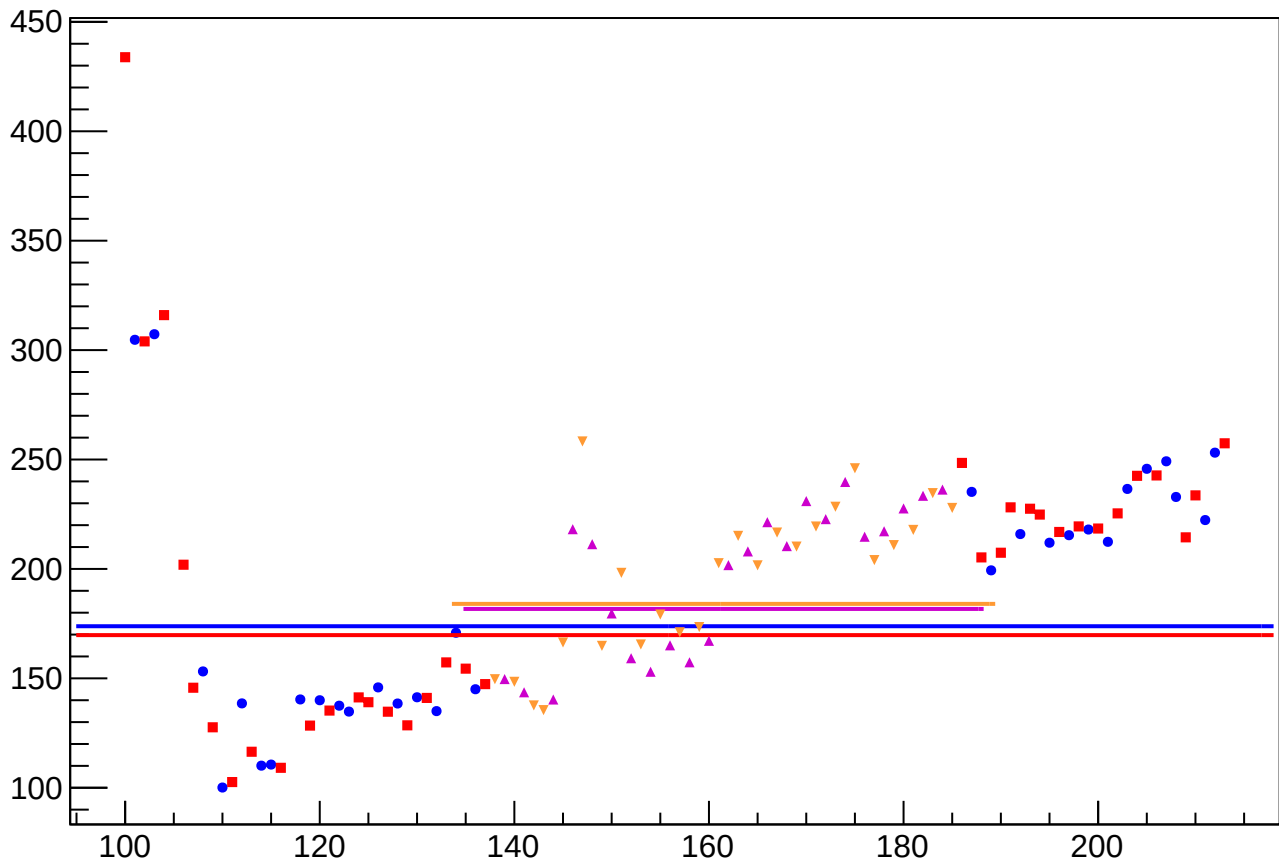
- sign 35.708+/-0.007 χ^2/NDF : 39592952.8/56

yield_bpm0l01WS_mean vs Slug



Right In: 123720.288 $\pm$ 0.046 χ^2 /NDF: 12402050965.5/29
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 123888.514 $\pm$ 0.043 χ^2 /NDF: 13543167095.1/33
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22
 + sign 124800.324 $\pm$ 0.032 χ^2 /NDF: 20206462477.
 All: 124845.228 $\pm$ 0.022 χ^2 /NDF: 40696443
 - sign 124888.254 $\pm$ 0.031 χ^2 /NDF: 20486065515.6

yield_bpm0l01WS_rms vs Slug



Right In: 173.814 $\pm$ 0.032 χ^2 /NDF: 2447946.5/29

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF:1126592.5/24

Right Out: 169.752 $\pm$ 0.031 χ^2 /NDF: 2985073.5/33

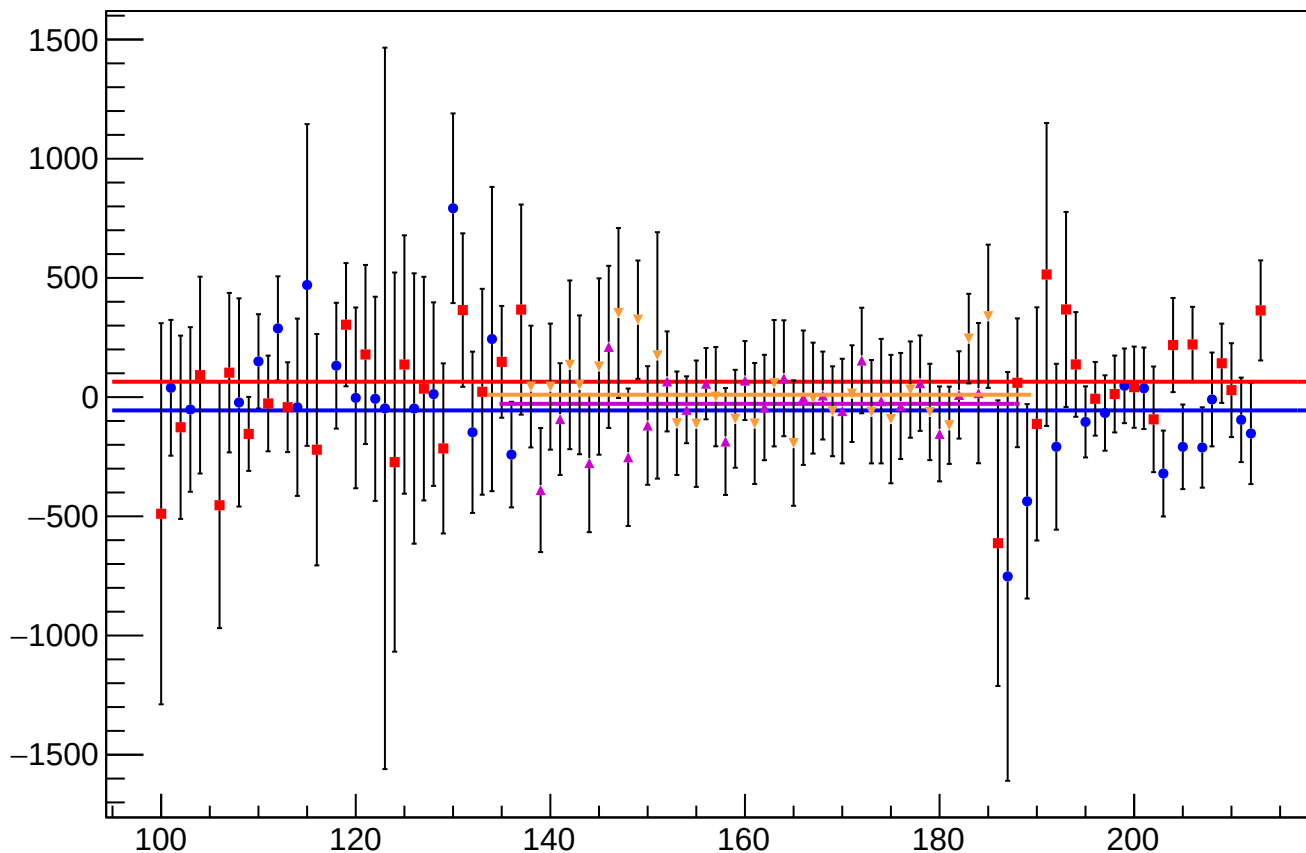
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF:1116142.0/22

+ sign 179.144 $\pm$ 0.022 χ^2 /NDF: 3626182.5/54

All: 177.307 $\pm$ 0.016 χ^2 /NDF: 7814482.6/111

- sign 175.546 $\pm$ 0.022 χ^2 /NDF: 4175188.0/56

asym_bcm_an_ds_mean vs Slug



Right In: -55.736 ± 44.274 χ^2/NDF : 17.0/29

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 64.601 ± 43.075 χ^2/NDF : 15.1/33

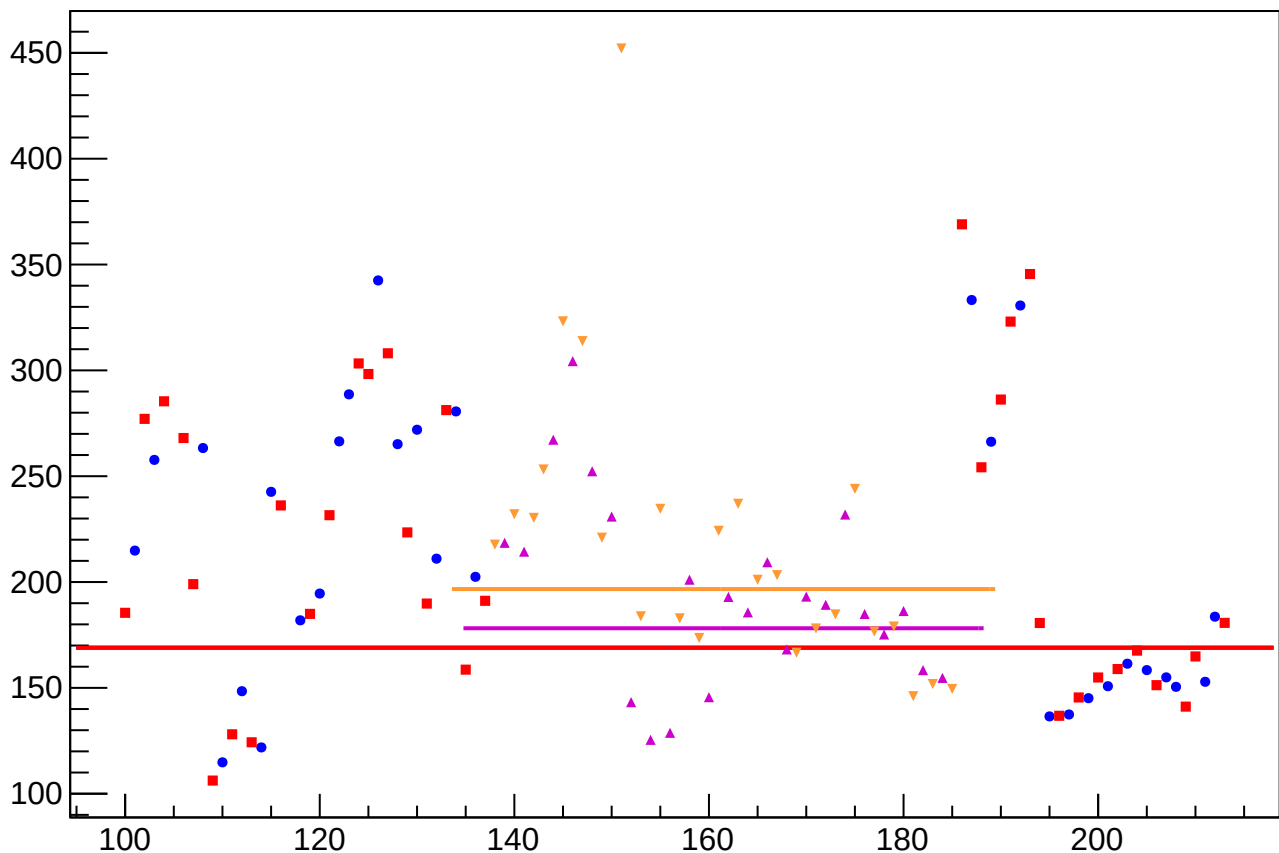
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -25.131 ± 32.383 χ^2/NDF : 26.5/54

All: -1.637 ± 22.384 χ^2/NDF : 51.8/111

- sign 19.858 ± 30.975 χ^2/NDF : 24.3/56

asym_bcm_an_ds_rms vs Slug



Right In: 169.026 $\pm$ 0.031 χ^2 /NDF: 2145730.1/29

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 168.923 $\pm$ 0.030 χ^2 /NDF: 2846104.4/33

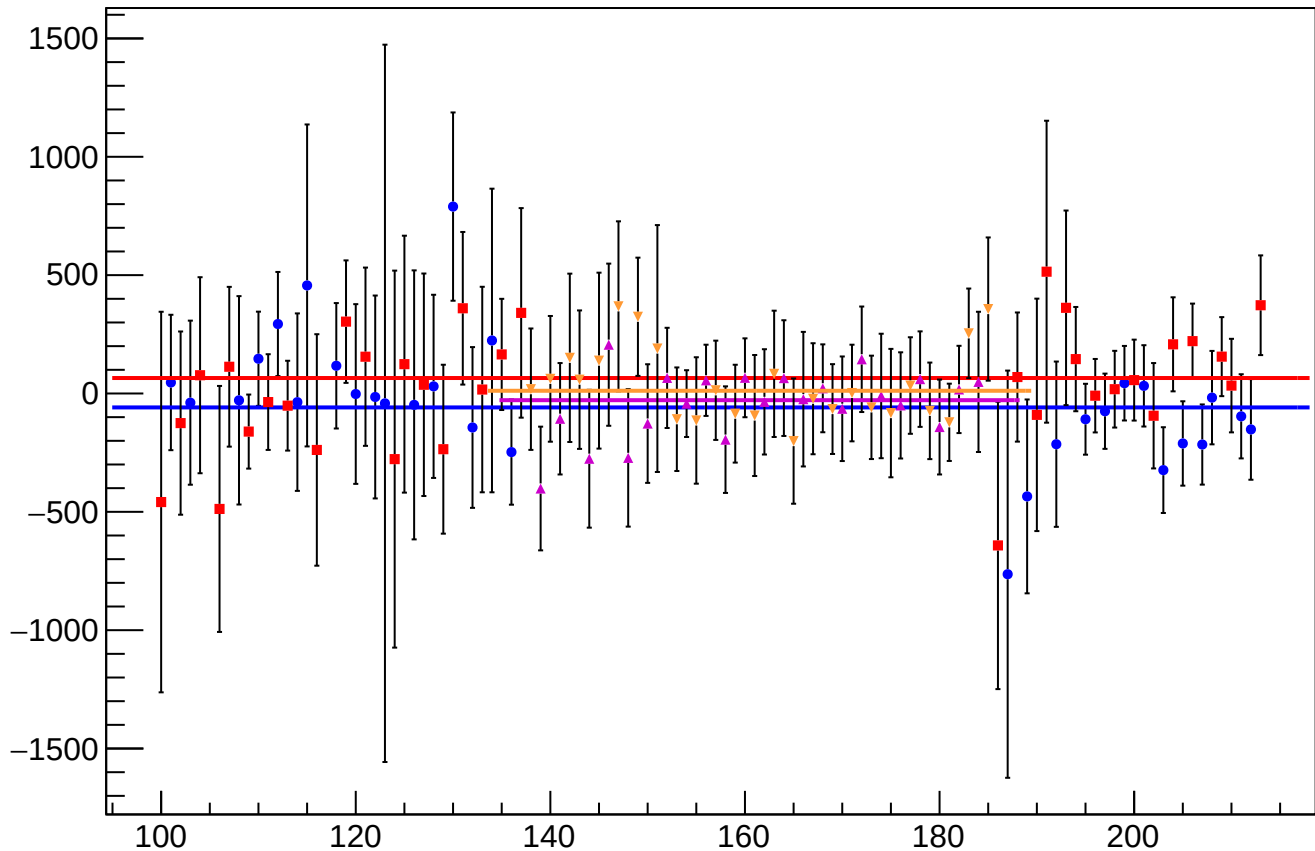
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 181.886 $\pm$ 0.023 χ^2 /NDF: 4291332.0/54

All: 177.448 $\pm$ 0.016 χ^2 /NDF: 8872819.3/111

- sign 173.387 $\pm$ 0.022 χ^2 /NDF: 4509535.6/56

asym_bcm_an_ds3_mean vs Slug



Right In: -58.880 ± 44.476 χ^2/NDF : 16.9/29

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 65.342 ± 43.285 χ^2/NDF : 15.5/33

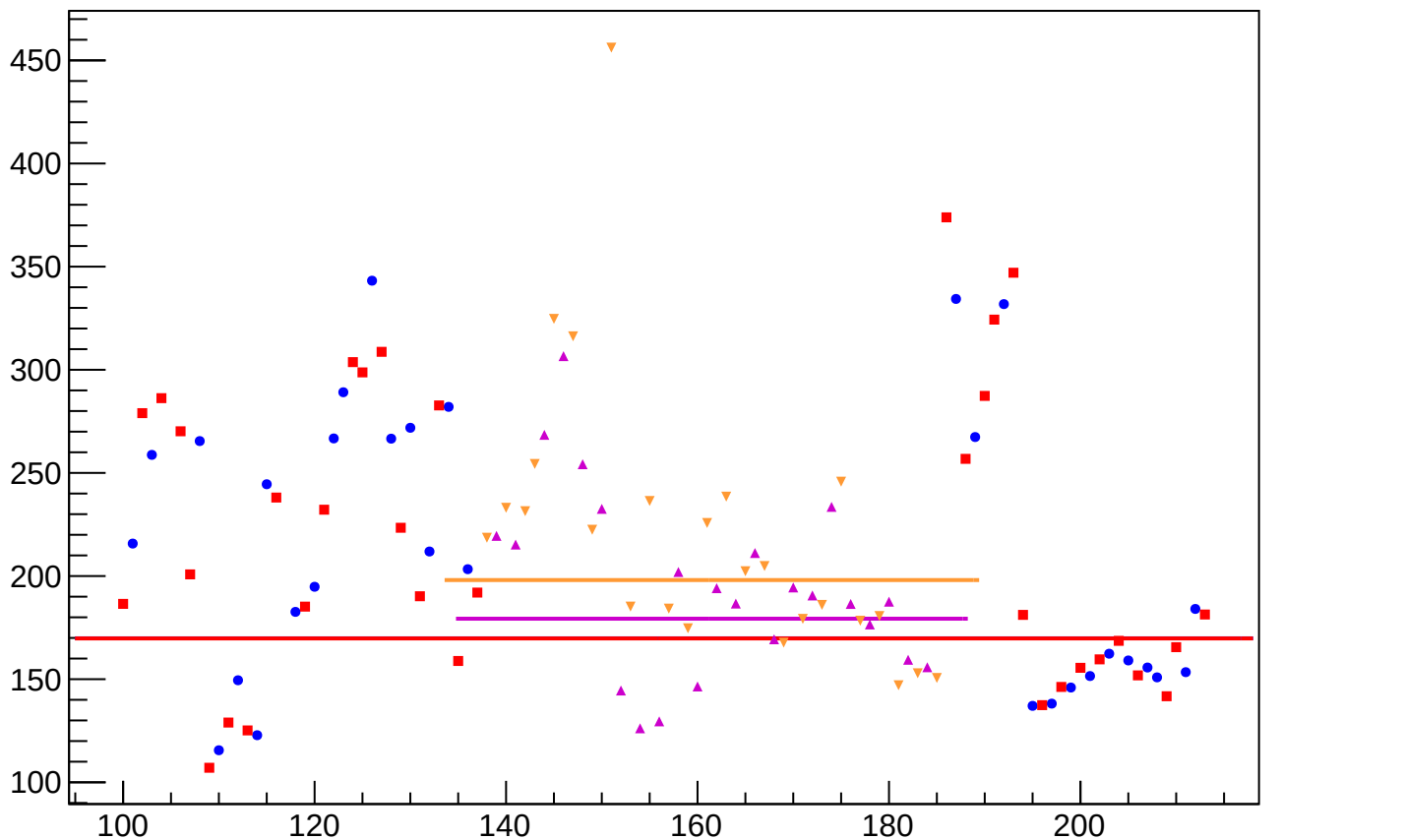
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -26.246 ± 32.567 χ^2/NDF : 26.9/54

All: -1.987 ± 22.511 χ^2/NDF : 52.9/111

- sign 20.207 ± 31.150 χ^2/NDF : 24.9/56

asym_bcm_an_ds3_rms vs Slug



Right In: 169.816 $\pm$ 0.031 χ^2 /NDF: 2137285.1/29

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 169.754 $\pm$ 0.031 χ^2 /NDF: 2841927.4/33

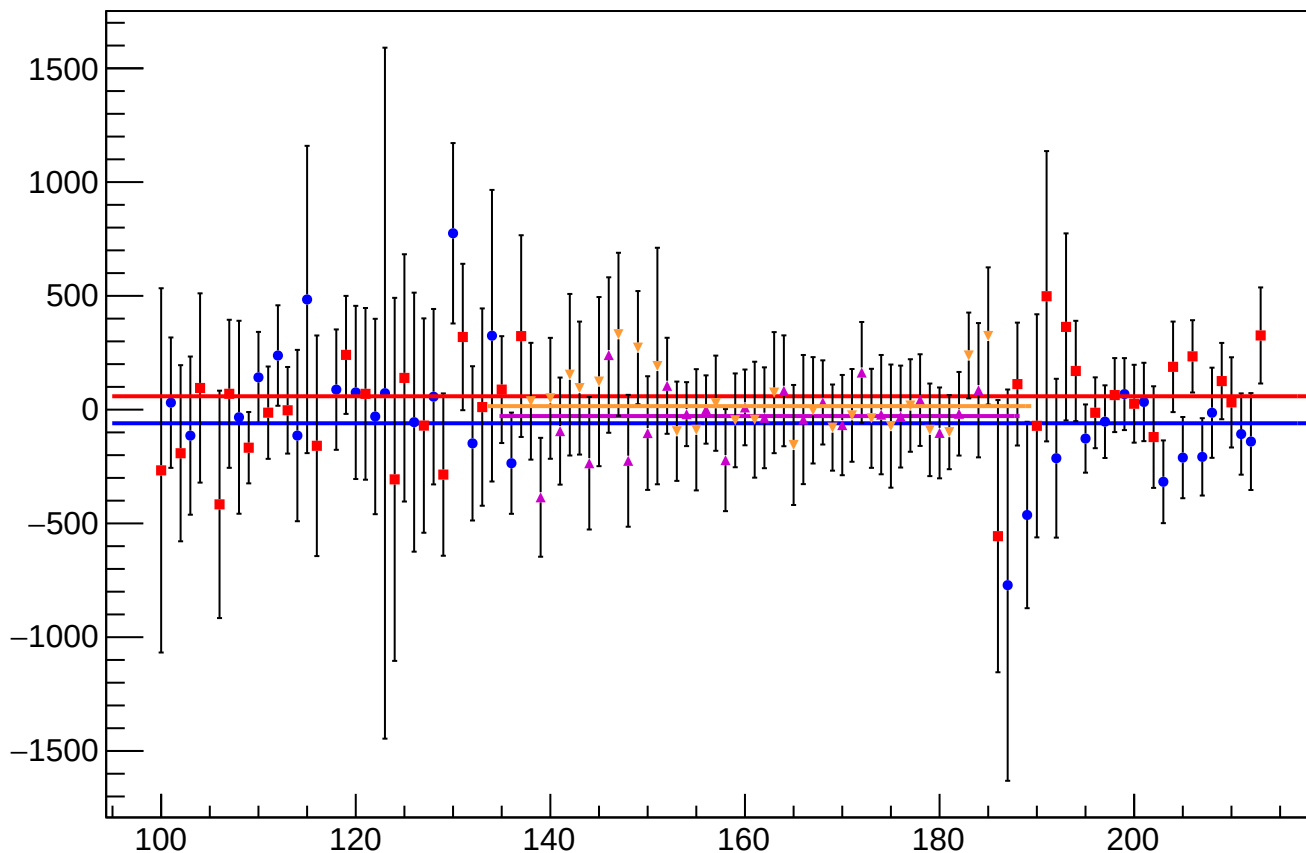
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 182.916 $\pm$ 0.023 χ^2 /NDF: 4289869.9/54

All: 178.452 $\pm$ 0.016 χ^2 /NDF: 8869161.9/111

- sign 174.367 $\pm$ 0.022 χ^2 /NDF: 4507328.1/56

asym_bcm_an_us_mean vs Slug



Right In: -59.870 ± 44.562 χ^2/NDF : 16.4/29

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 58.799 ± 43.315 χ^2/NDF : 13.5/33

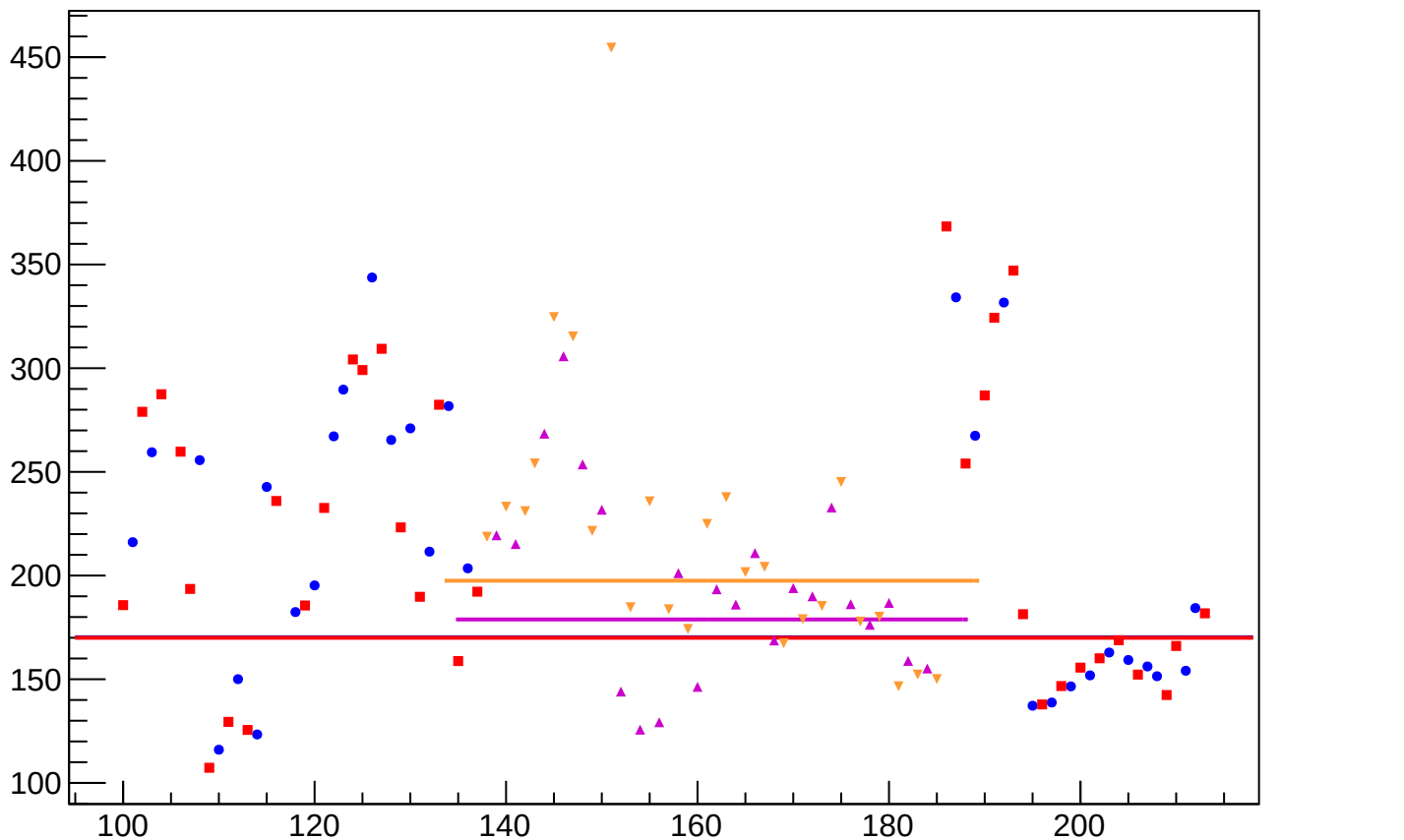
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign -24.771 ± 32.561 χ^2/NDF : 24.7/54

All: -3.113 ± 22.498 χ^2/NDF : 47.4/111

- sign 16.673 ± 31.121 χ^2/NDF : 21.9/56

asym_bcm_an_us_rms vs Slug



Right In: 170.240 $\pm$ 0.032 χ^2/NDF : 2104530.6/29

Left Out: 197.527 $\pm$ 0.034 χ^2/NDF :1784225.5/24

Right Out: 170.001 $\pm$ 0.031 χ^2/NDF : 2794372.0/33

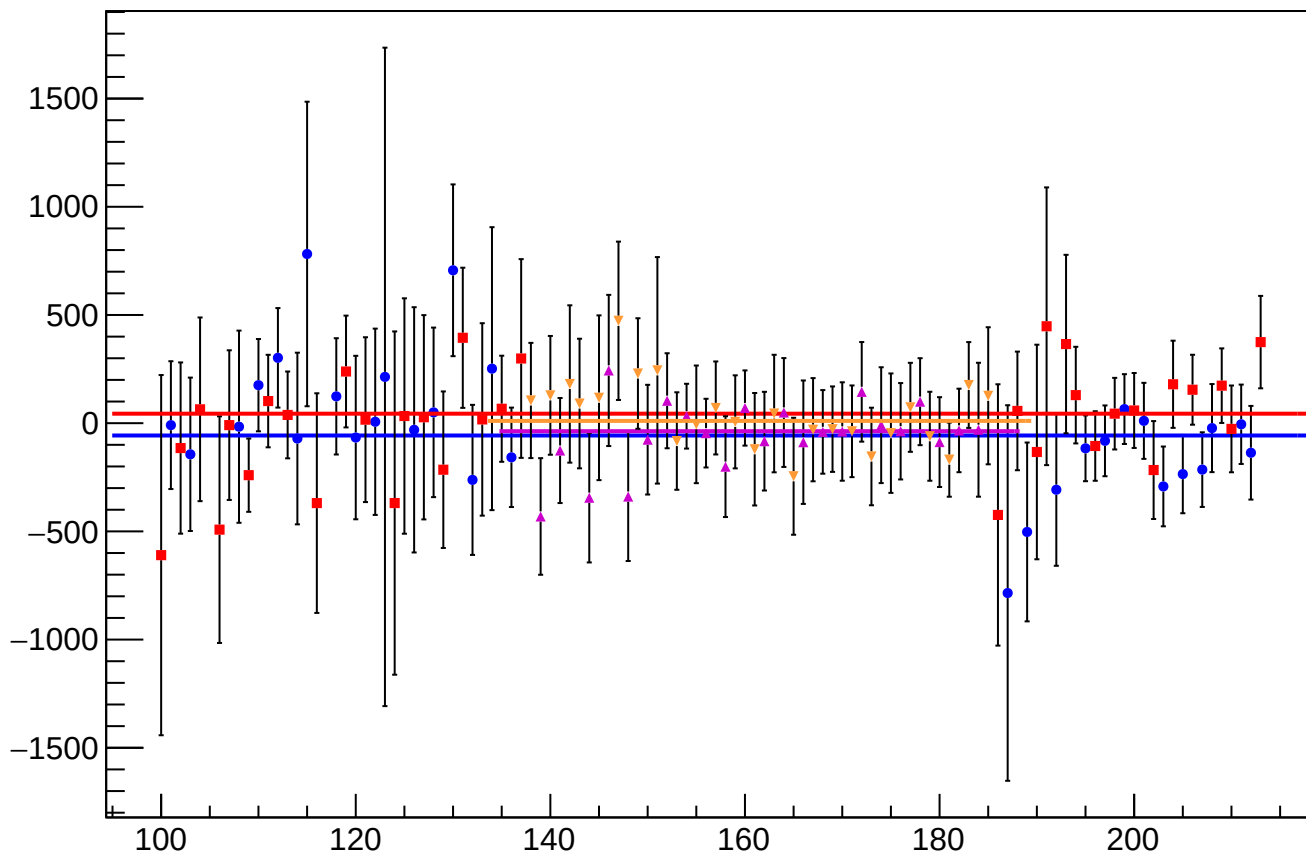
Left In: 178.836 $\pm$ 0.032 χ^2/NDF :1622266.9/22

+ sign 182.958 $\pm$ 0.023 χ^2/NDF : 4238300.7/54

All: 178.420 $\pm$ 0.016 χ^2/NDF : 8769519.8/111

- sign 174.275 $\pm$ 0.022 χ^2/NDF : 4456894.5/56

asym_bcm_dg_us_mean vs Slug



Right In: -56.937 ± 45.565 χ^2/NDF : 17.1/29

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 43.876 ± 44.457 χ^2/NDF : 16.3/33

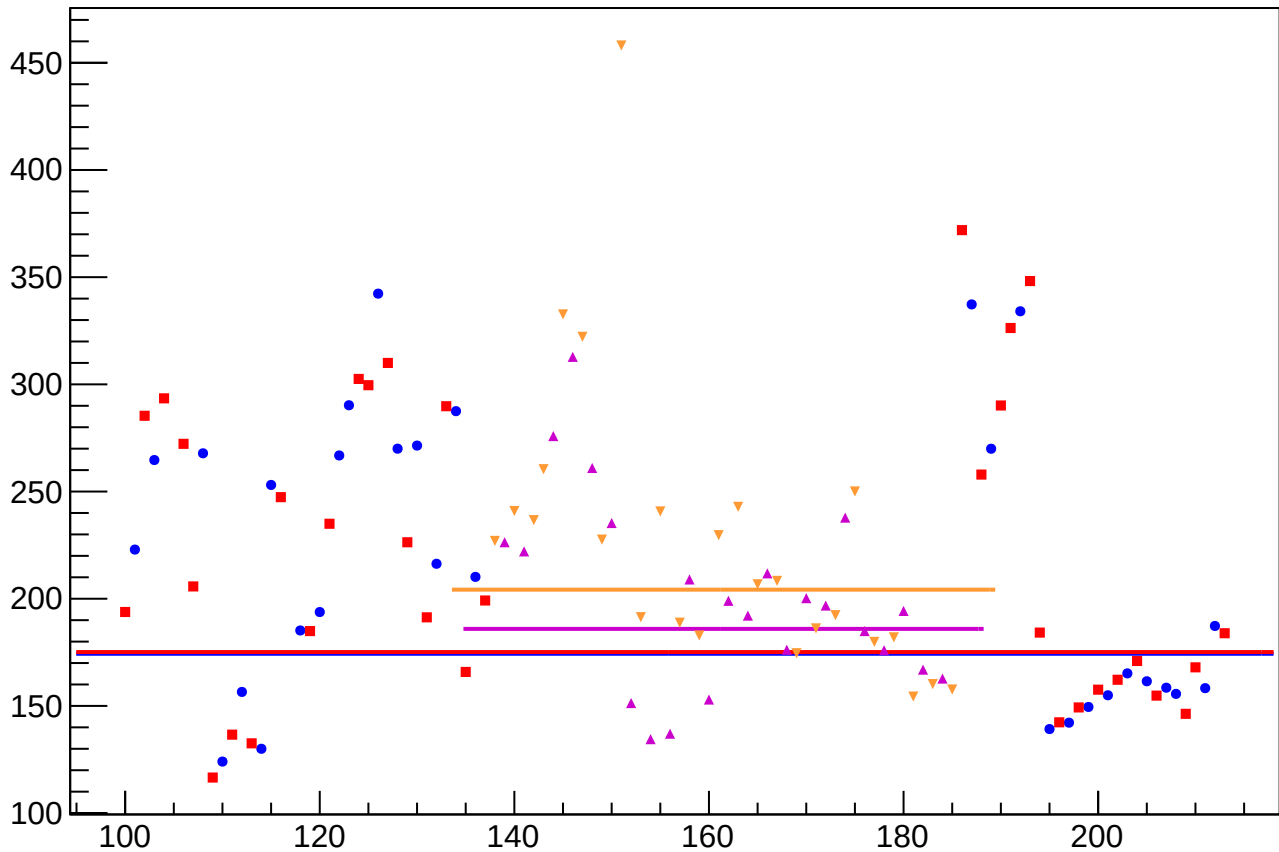
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -25.783 ± 33.430 χ^2/NDF : 25.6/54

All: -9.693 ± 23.149 χ^2/NDF : 51.9/111

- sign 5.130 ± 32.087 χ^2/NDF : 25.8/56

asym_bcm_dg_us_rms vs Slug



Right In: 174.330 $\pm$ 0.032 χ^2 /NDF: 2029109.8/29

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 175.125 $\pm$ 0.031 χ^2 /NDF: 2612014.6/33

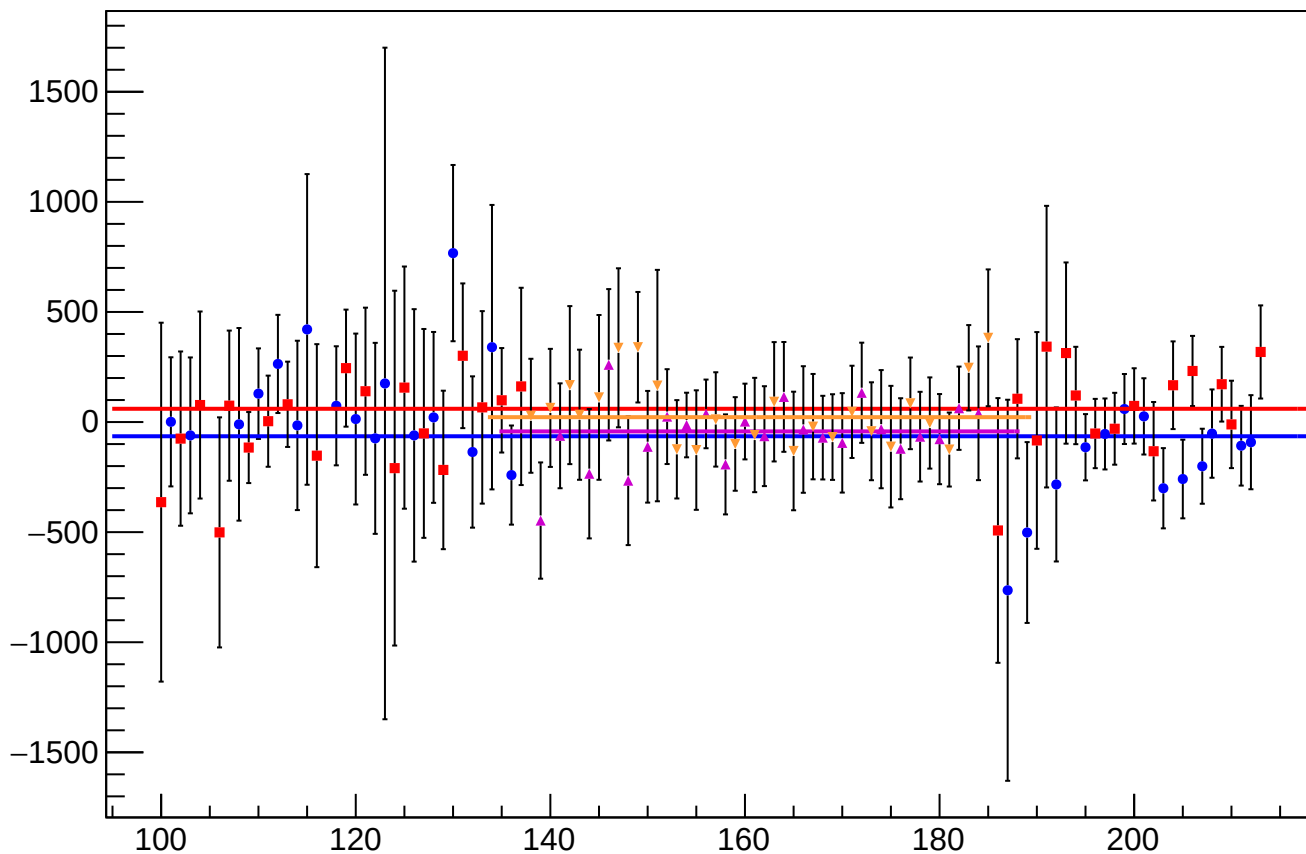
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 188.138 $\pm$ 0.024 χ^2 /NDF: 4102586.1/54

All: 184.060 $\pm$ 0.016 χ^2 /NDF: 8288477.7/111

- sign 180.302 $\pm$ 0.023 χ^2 /NDF: 4128692.5/56

asym_bcm_dg_ds_mean vs Slug



Right In: -64.550 ± 44.986 χ^2/NDF : 16.1/29

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 60.298 ± 43.775 χ^2/NDF : 11.6/33

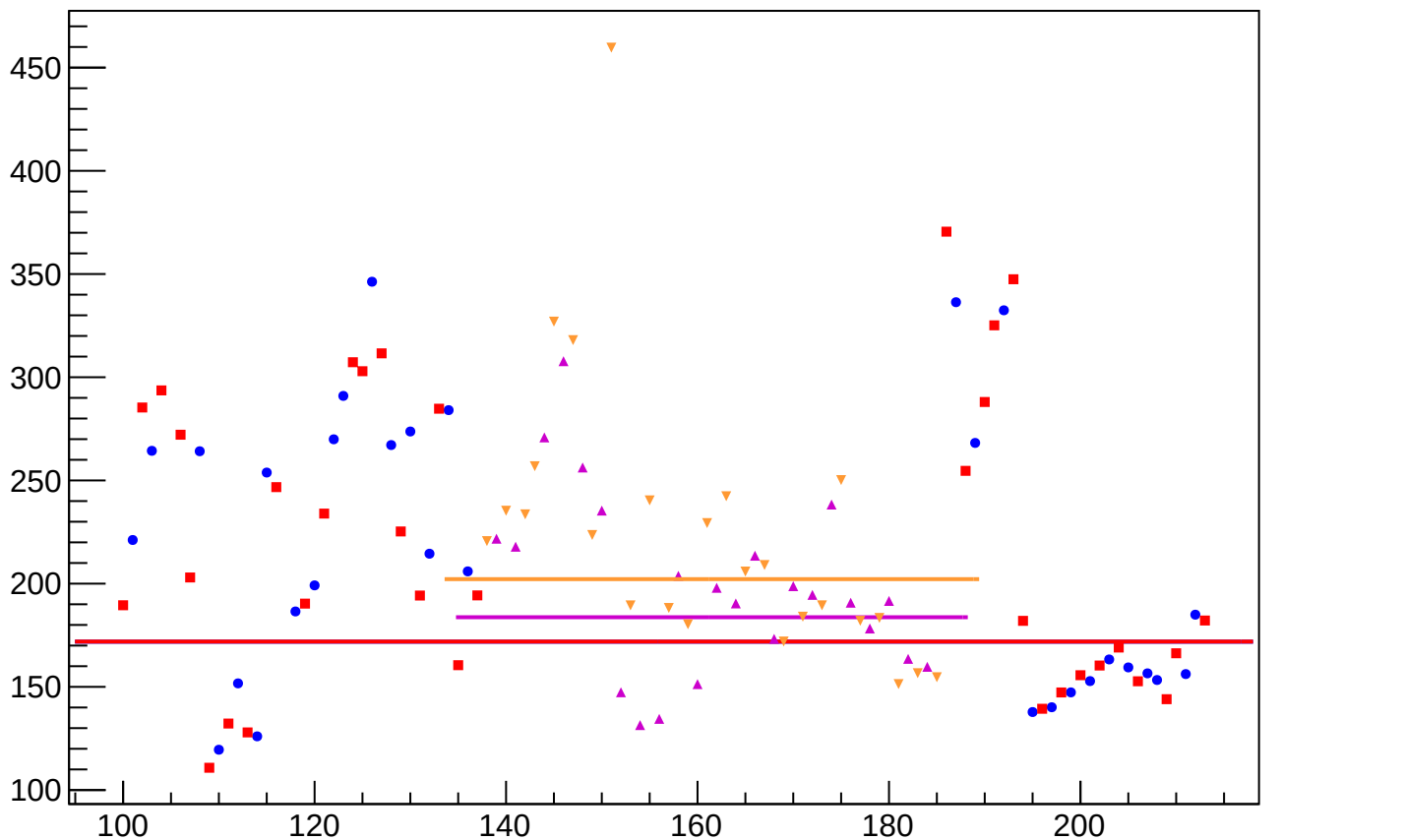
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -24.649 ± 33.057 χ^2/NDF : 26.2/54

All: -5.894 ± 22.867 χ^2/NDF : 47.8/111

- sign 11.315 ± 31.665 χ^2/NDF : 21.0/56

asym_bcm_dg_ds_rms vs Slug



Right In: 171.871 ± 0.032 χ^2/NDF : 2111155.0/29

Left Out: 202.186 ± 0.034 χ^2/NDF : 1696571.9/24

Right Out: 171.940 ± 0.031 χ^2/NDF : 2773057.3/33

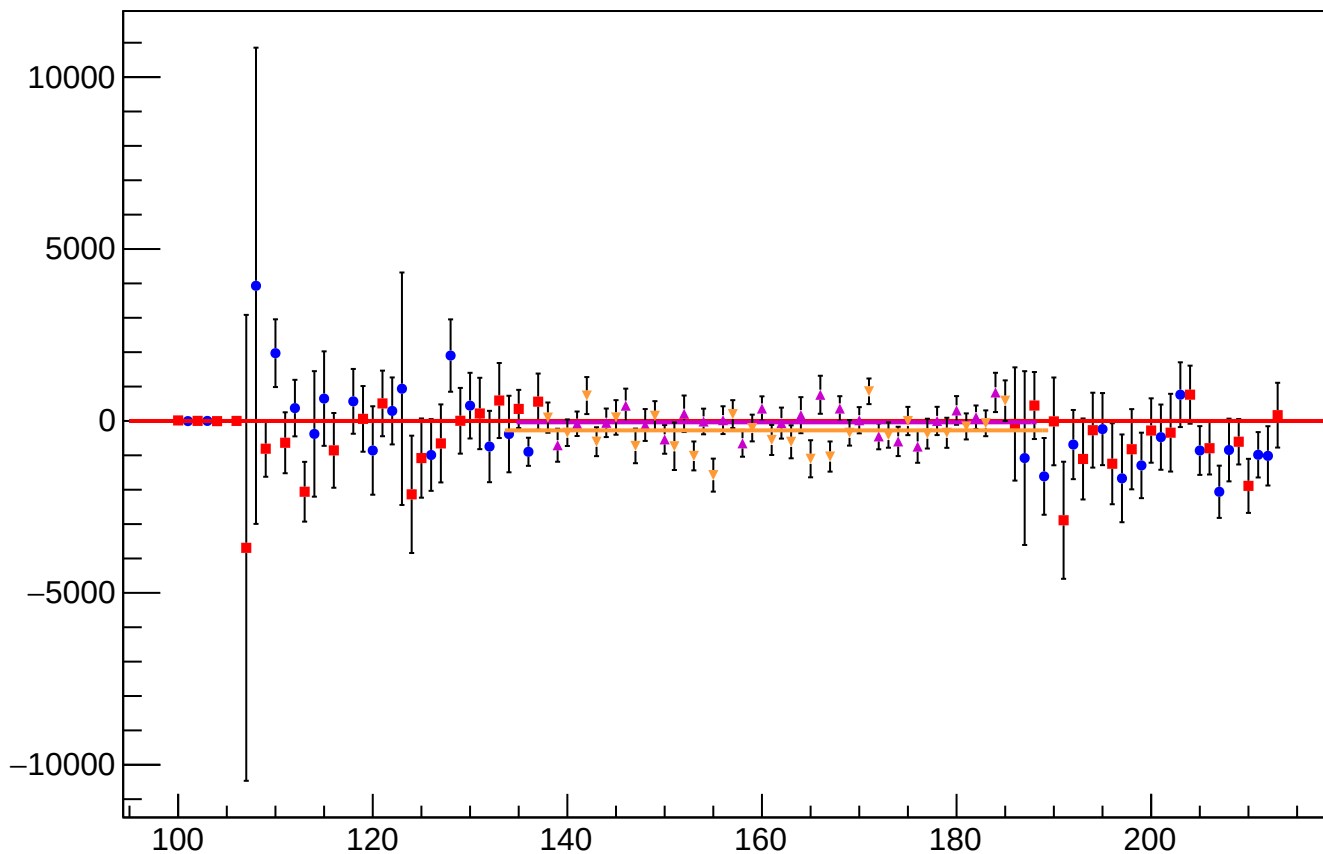
Left In: 183.732 ± 0.032 χ^2/NDF : 1495930.4/22

+ sign 185.817 ± 0.023 χ^2/NDF : 4225531.6/54

All: 181.512 ± 0.016 χ^2/NDF : 8628755.7/111

- sign 177.562 ± 0.022 χ^2/NDF : 4338181.4/56

asym_cav4bQ_mean vs Slug



Right In: -1.601 ± 2.251 χ^2/NDF : 37.4/29

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.767 ± 2.111 χ^2/NDF : 32.6/33

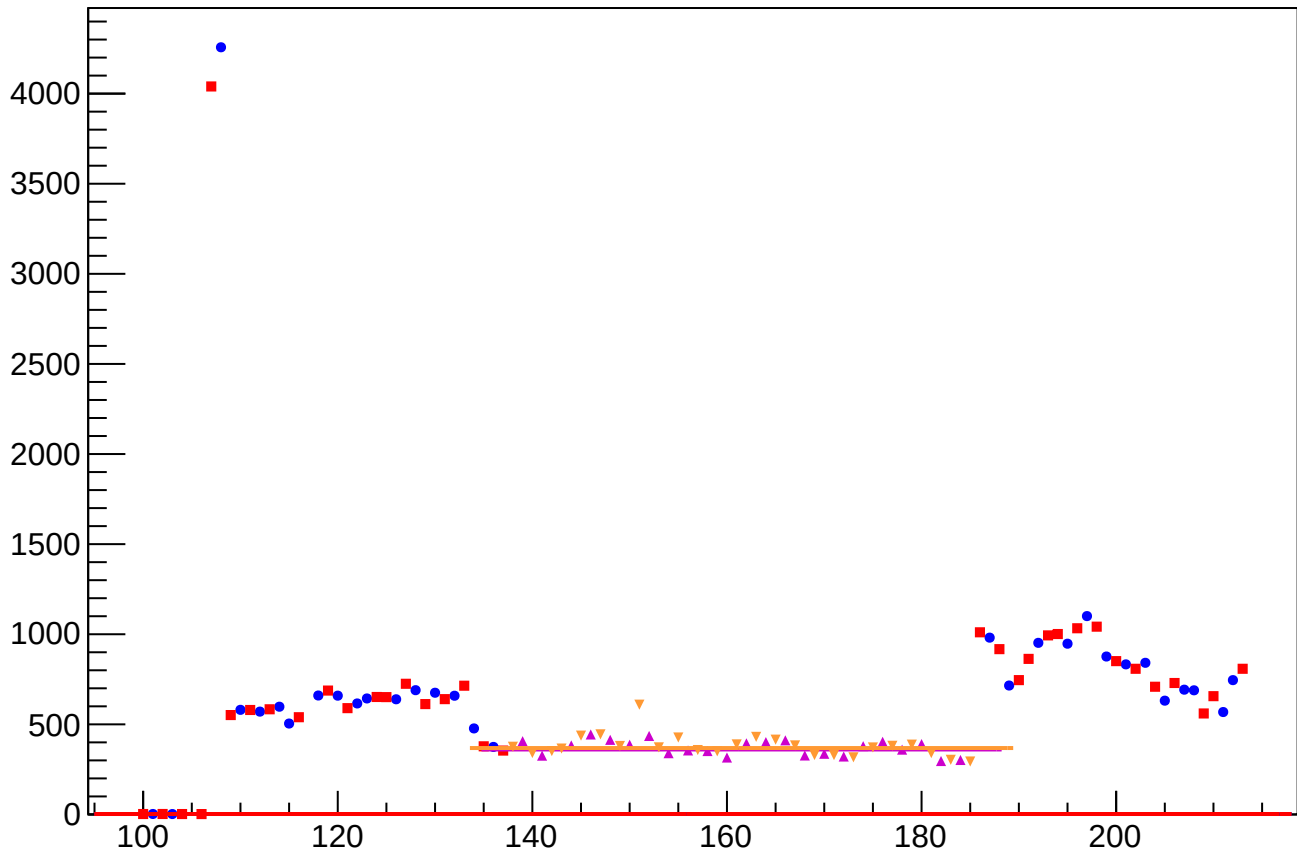
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.784 ± 2.251 χ^2/NDF : 85.5/54

All: -1.255 ± 1.539 χ^2/NDF : 138.6/111

- sign -0.790 ± 2.110 χ^2/NDF : 52.9/56

asym_cav4bQ_rms vs Slug



Right In: 2.515 $\pm$ 0.002 χ^2 /NDF: 28788699.9/29

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.491 $\pm$ 0.001 χ^2 /NDF: 31152180.9/33

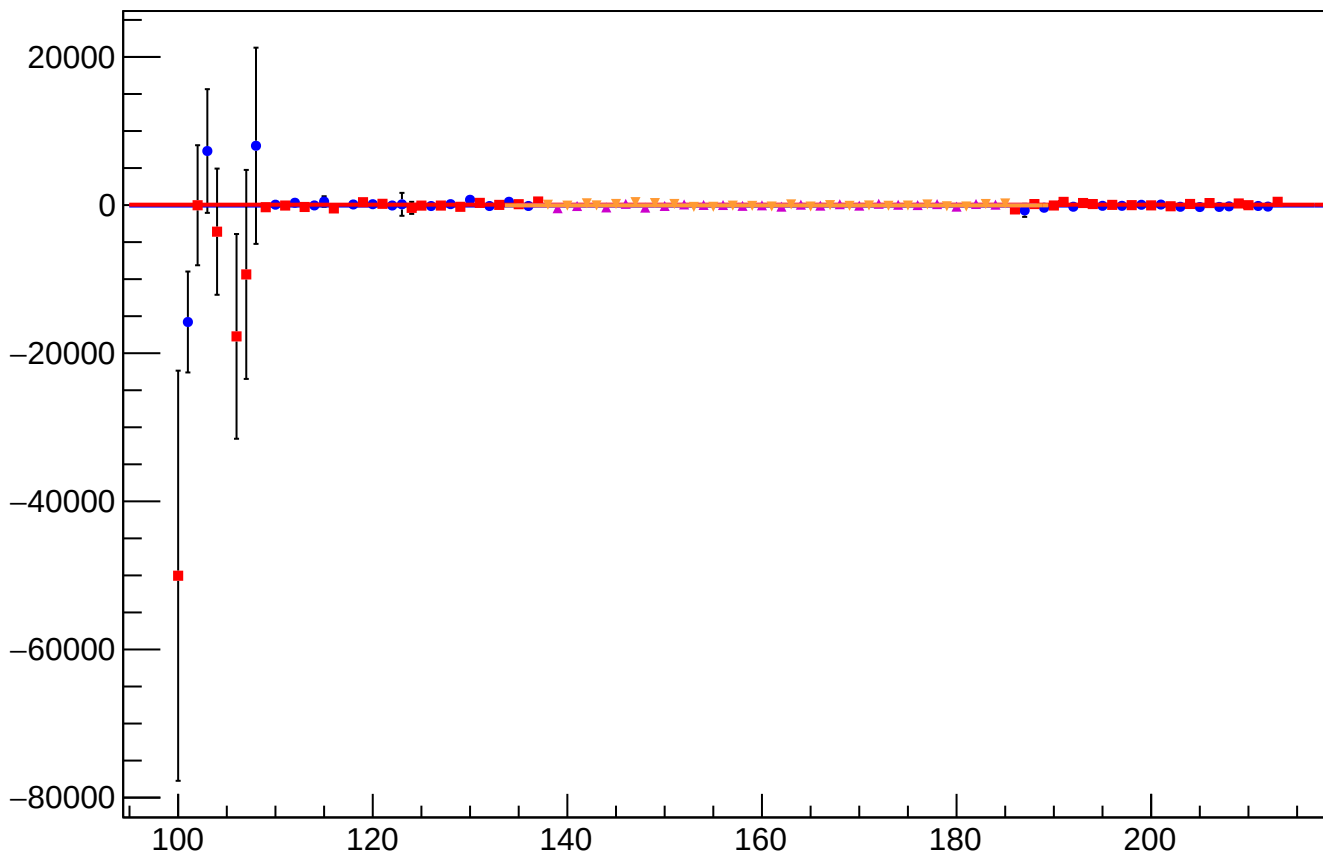
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.760 $\pm$ 0.002 χ^2 /NDF: 64887604.2/54

All: 2.728 $\pm$ 0.001 χ^2 /NDF: 129960674.7/111

- sign 2.699 $\pm$ 0.001 χ^2 /NDF: 65072291.4/56

asym_cav4cQ_mean vs Slug



Right In: -67.634 $\pm$ 49.048 χ^2 /NDF: 20.9/29

Left Out: -39.036 $\pm$ 49.576 χ^2 /NDF: 9.1/24

Right Out: 55.918 $\pm$ 48.427 χ^2 /NDF: 24.2/33

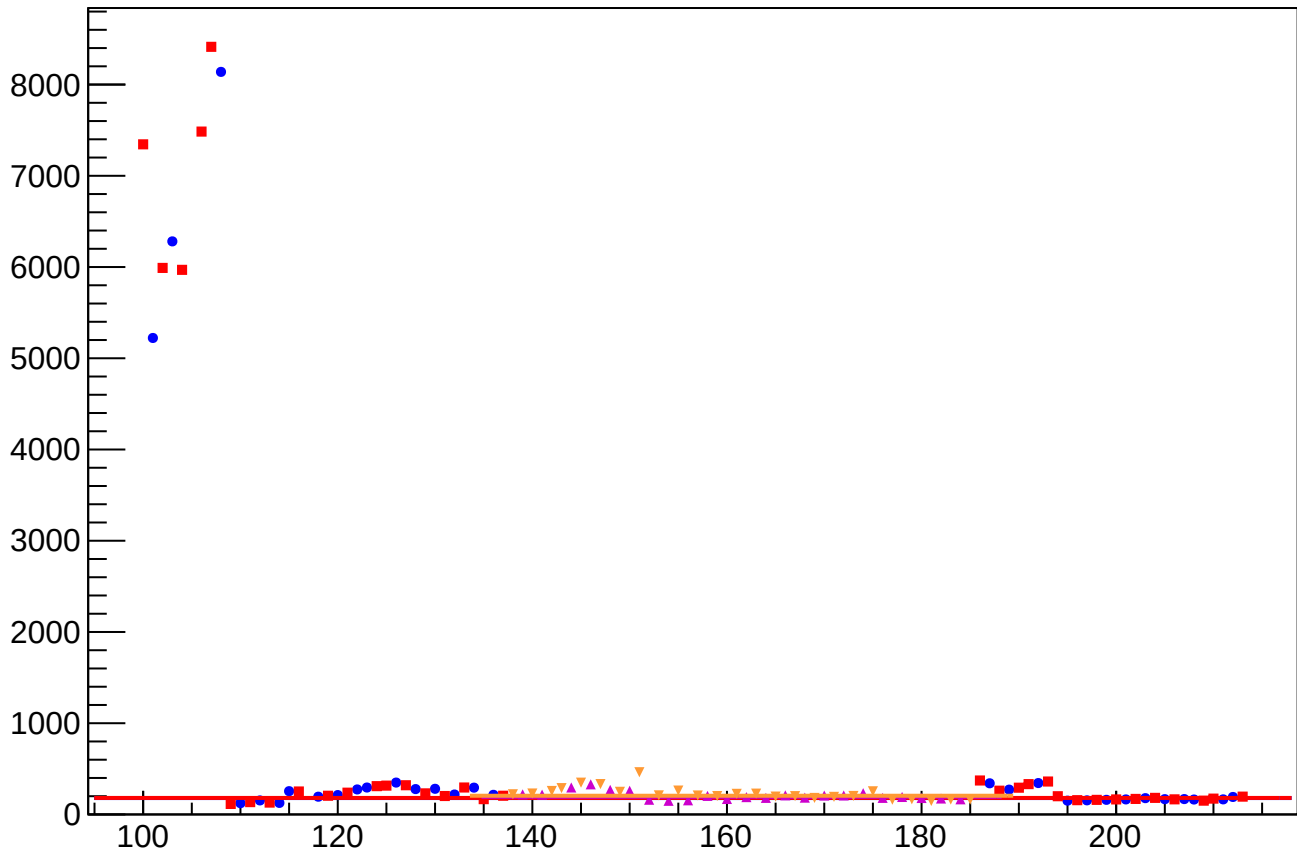
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -53.488 $\pm$ 34.867 χ^2 /NDF: 30.2/54

All: -19.208 $\pm$ 24.380 χ^2 /NDF: 67.4/111

- sign 13.584 $\pm$ 34.102 χ^2 /NDF: 35.3/56

asym_cav4cQ_rms vs Slug



Right In: 179.737 $\pm$ 0.035 χ^2 /NDF: 4535186.8/29

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 181.074 $\pm$ 0.034 χ^2 /NDF: 5425453.7/33

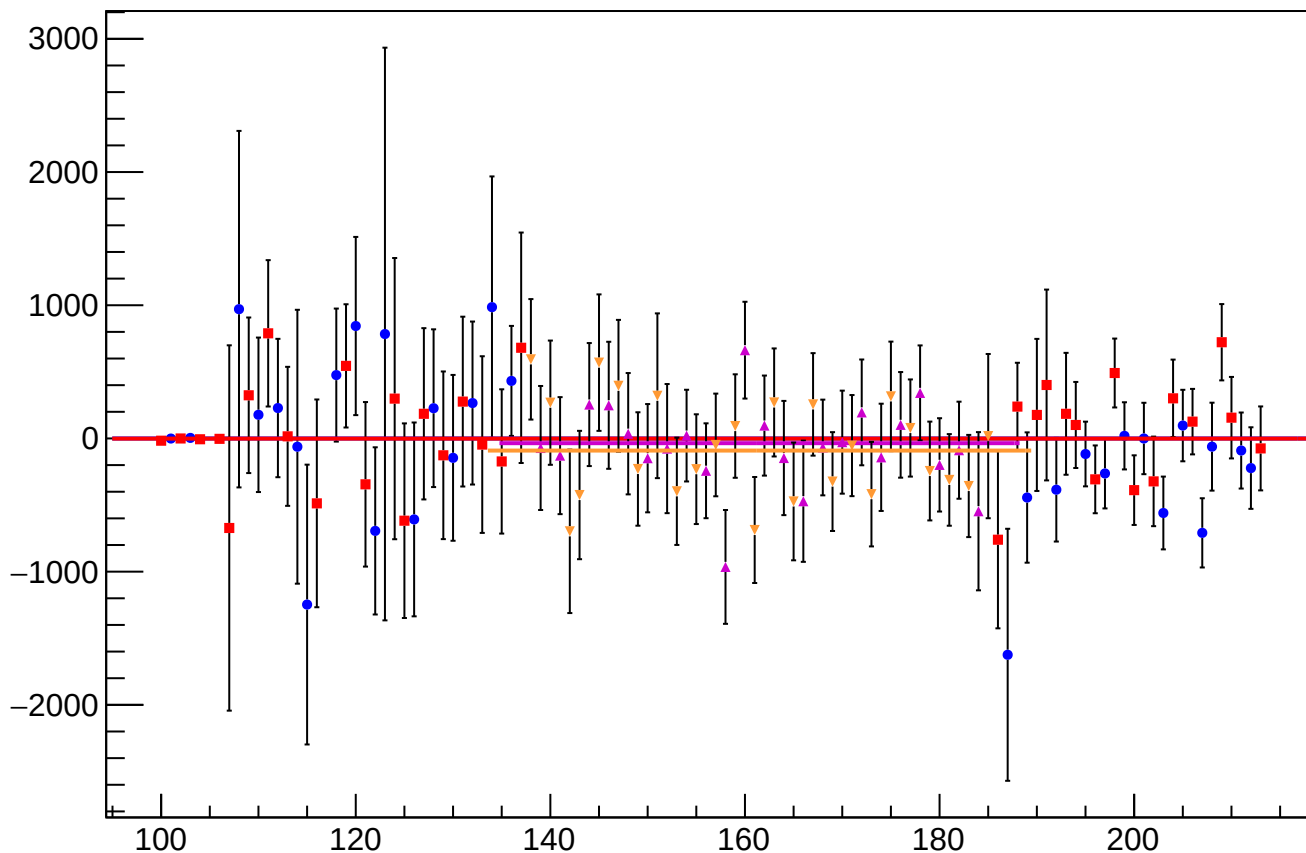
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 192.289 $\pm$ 0.025 χ^2 /NDF: 6757500.8/54

All: 189.789 $\pm$ 0.017 χ^2 /NDF: 13450179.1/11

- sign 187.396 $\pm$ 0.024 χ^2 /NDF: 6672549.3/56

asym_cav4dQ_mean vs Slug



Right In: -0.238 ± 1.736 χ^2/NDF : 28.5/29

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.288 ± 1.622 χ^2/NDF : 28.0/33

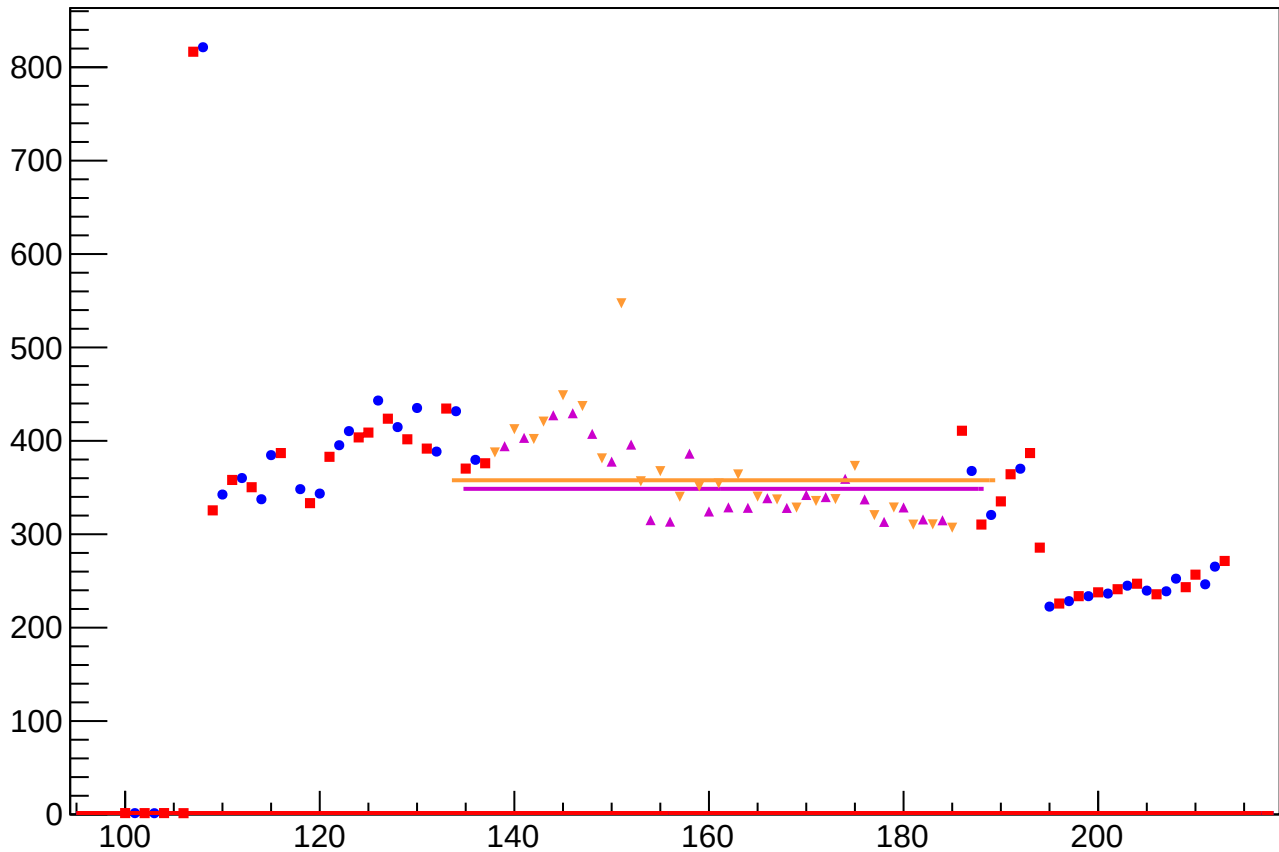
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.277 ± 1.736 χ^2/NDF : 46.1/54

All: -0.823 ± 1.185 χ^2/NDF : 87.9/111

- sign -1.300 ± 1.622 χ^2/NDF : 41.6/56

asym_cav4dQ_rms vs Slug



Right In: 1.562 ± 0.001 $\chi^2/\text{NDF}: 29048244.0/29$

Left Out: 357.804 ± 0.059 $\chi^2/\text{NDF}: 547036.5/24$

Right Out: 1.550 ± 0.001 $\chi^2/\text{NDF}: 30859329.4/33$

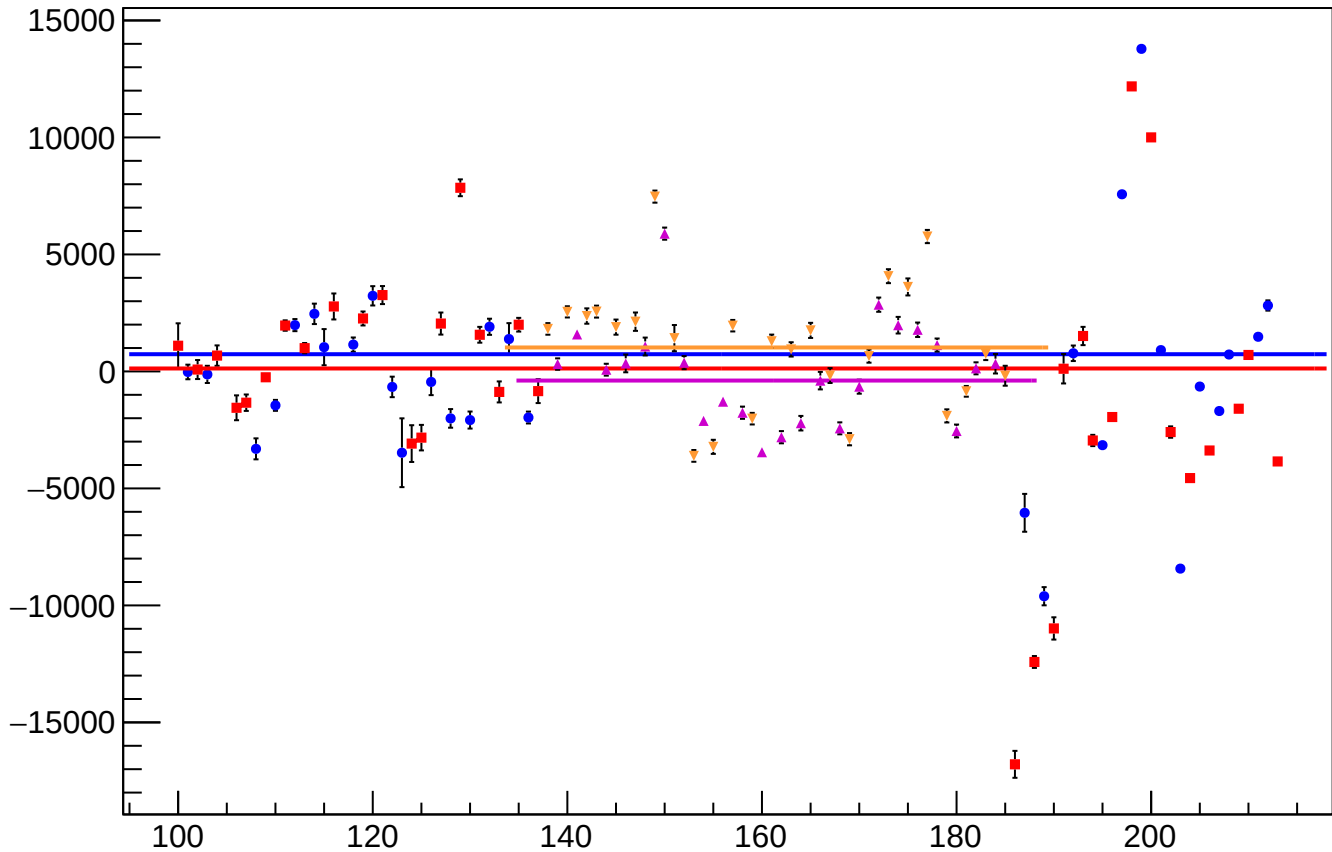
Left In: 348.611 ± 0.060 $\chi^2/\text{NDF}: 362511.2/22$

+ sign 1.713 ± 0.001 $\chi^2/\text{NDF}: 65484660.4/54$

All: 1.695 ± 0.001 $\chi^2/\text{NDF}: 130527211.5/111$

- sign 1.679 ± 0.001 $\chi^2/\text{NDF}: 65042119.2/56$

asym_bcm0l02_mean vs Slug



Right In: 735.759 $\pm$ 48.775 χ^2 /NDF: 11123.1/29

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF: 2309.4/24

Right Out: 125.679 $\pm$ 47.151 χ^2 /NDF: 13688.6/33

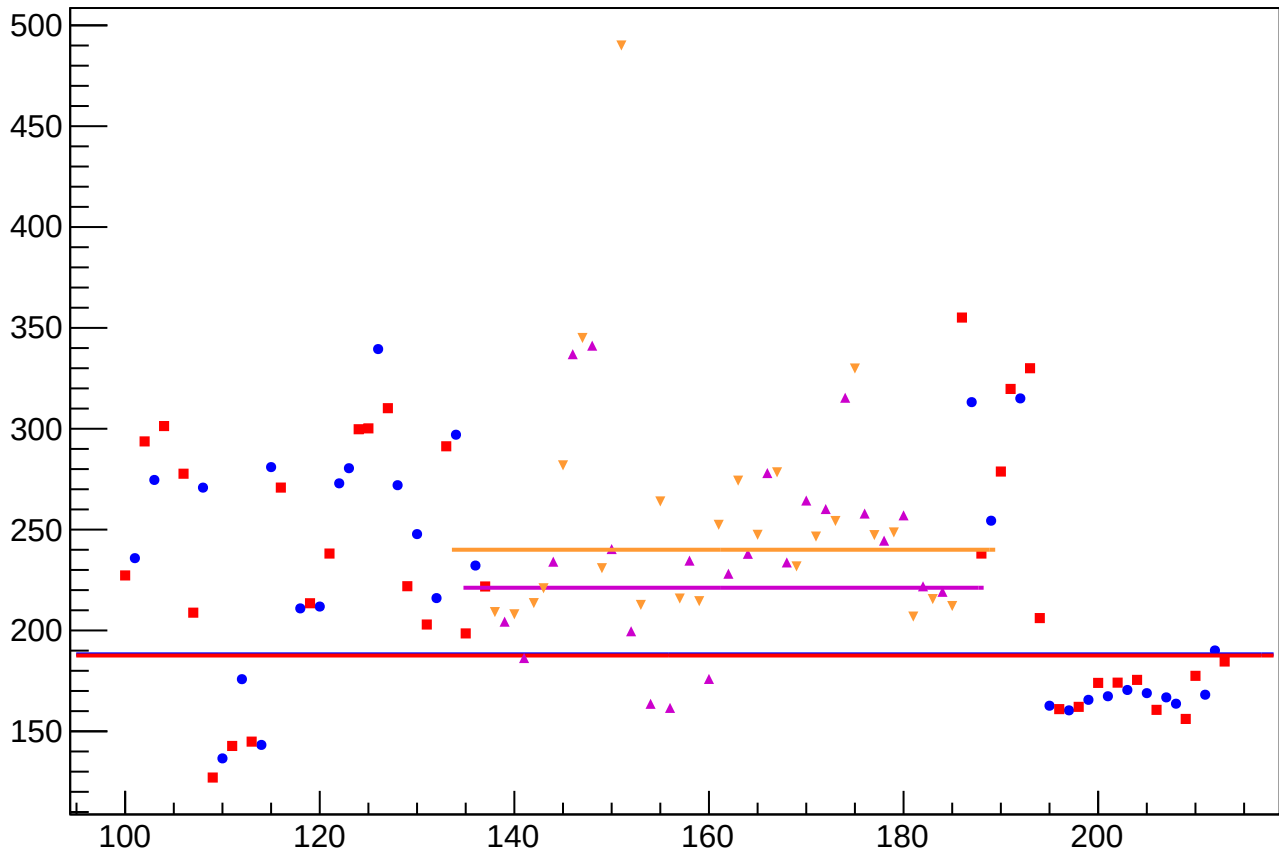
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 856.536 $\pm$ 37.152 χ^2 /NDF: 13447.0/54

All: 363.794 $\pm$ 25.771 χ^2 /NDF: 29110.4/111

- sign -93.187 $\pm$ 35.778 χ^2 /NDF: 15324.3/56

asym_bcm0l02_rms vs Slug



Right In: 188.153+/-0.034 χ^2/NDF : 1542576.2/29

Left Out: 240.019+/-0.041 χ^2/NDF :1002427.9/24

Right Out: 187.576+/-0.033 χ^2/NDF : 2121792.7/33

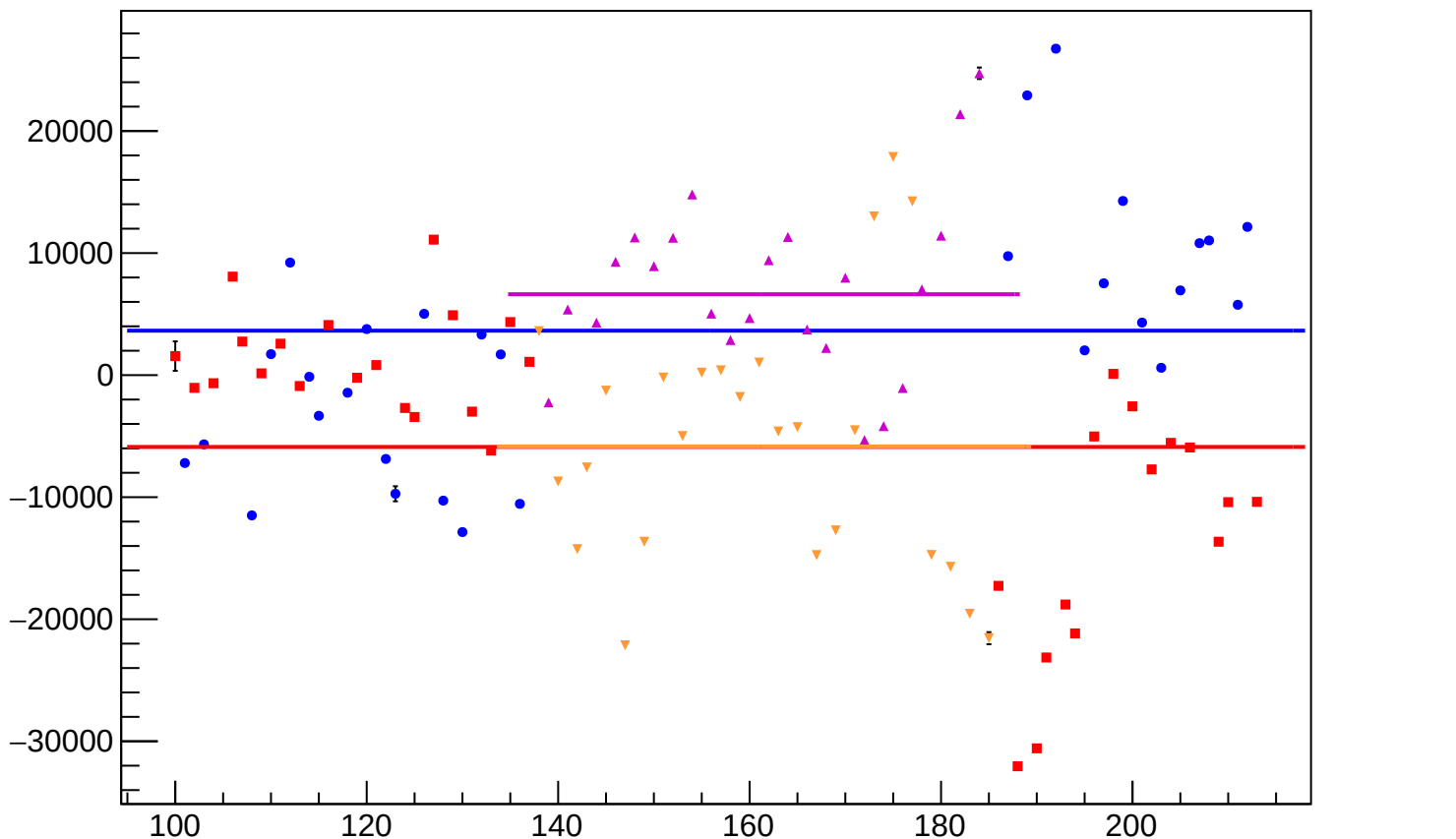
Left In: 221.173+/-0.039 χ^2/NDF :1342517.8/22

+ sign 209.928+/-0.026 χ^2/NDF : 3494445.0/54

All: 205.726+/-0.018 χ^2/NDF : 7438824.5/111

- sign 201.829+/-0.025 χ^2/NDF : 3895065.6/56

asym_bpm2i01WS_mean vs Slug



Right In: 3643.151+/-34.719 χ^2/NDF : 83631.4/29

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5884.085+/-32.833 χ^2/NDF : 104575.2/33

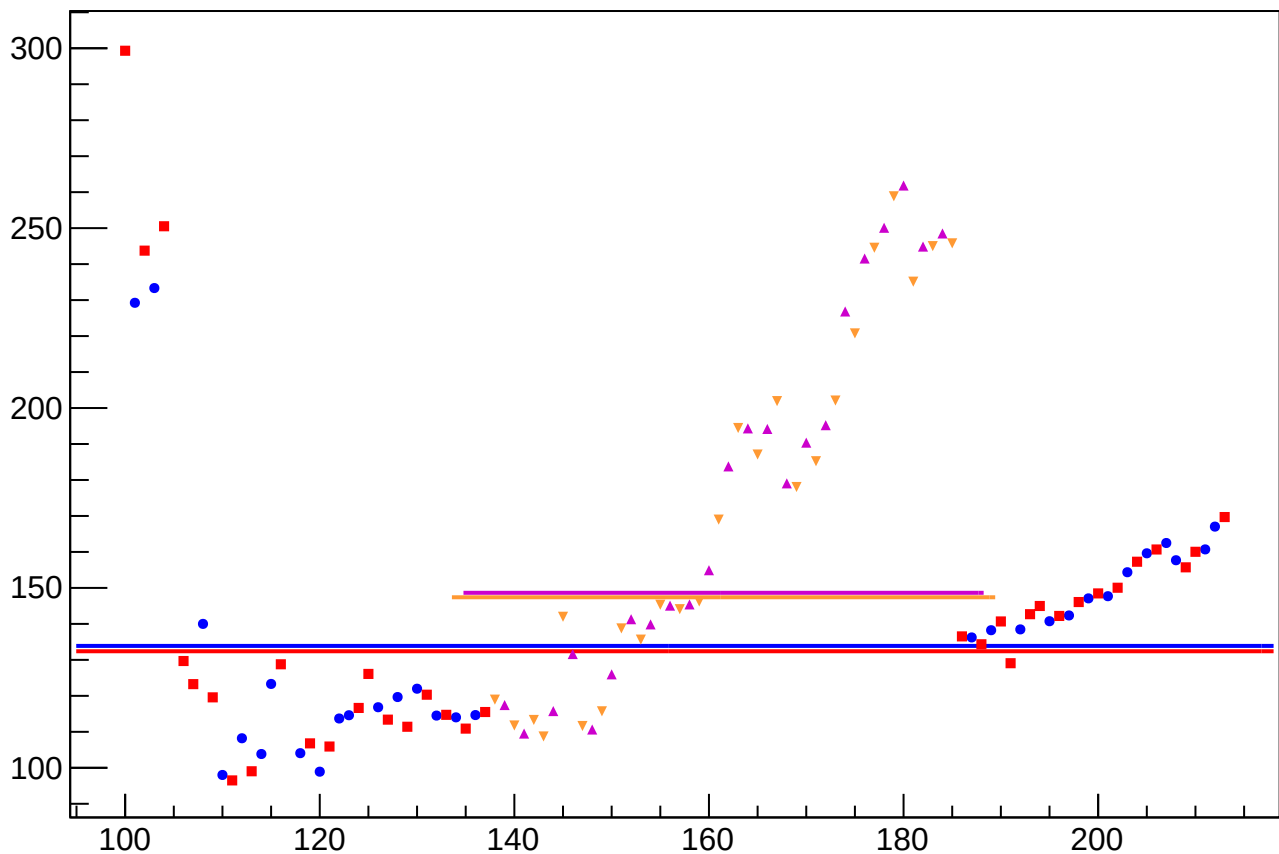
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -947.547+/-24.939 χ^2/NDF : 183151.0/54

All: -669.274+/-17.515 χ^2/NDF : 373381.6/11

- sign -398.418+/-24.605 χ^2/NDF : 189984.9/56

asym_bpm2i01WS_rms vs Slug



Right In: 133.883 $\pm$ 0.025 χ^2 /NDF: 1131053.8/29

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 132.394 $\pm$ 0.023 χ^2 /NDF: 1229837.0/33

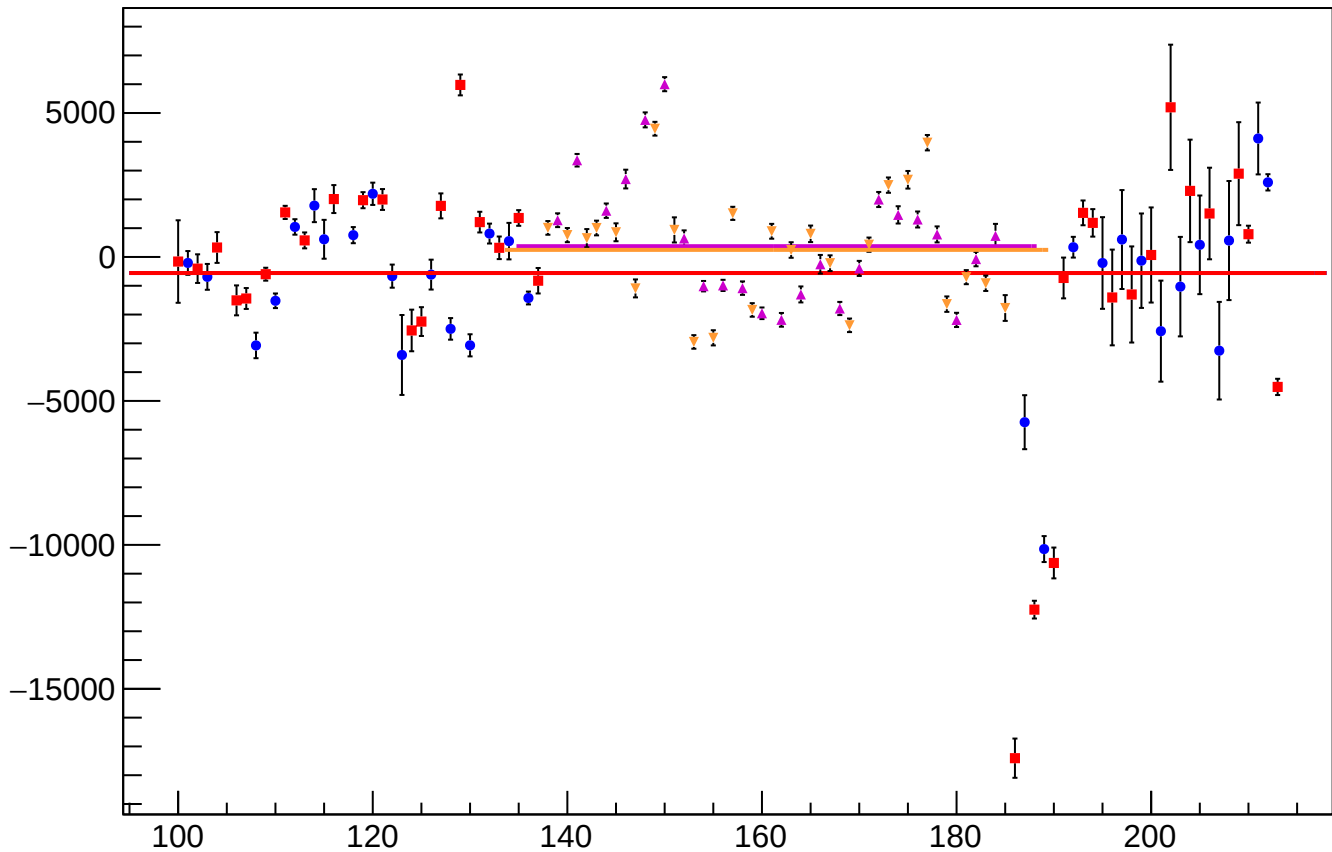
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 140.424 $\pm$ 0.018 χ^2 /NDF: 3794788.2/54

All: 139.964 $\pm$ 0.012 χ^2 /NDF: 7656227.5/111

- sign 139.517 $\pm$ 0.017 χ^2 /NDF: 3860101.0/56

asym_bpm0i07WS_mean vs Slug



Right In: -557.454 ± 80.399 χ^2/NDF : 915.1/29

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -557.681 ± 70.337 χ^2/NDF : 3398.4/33

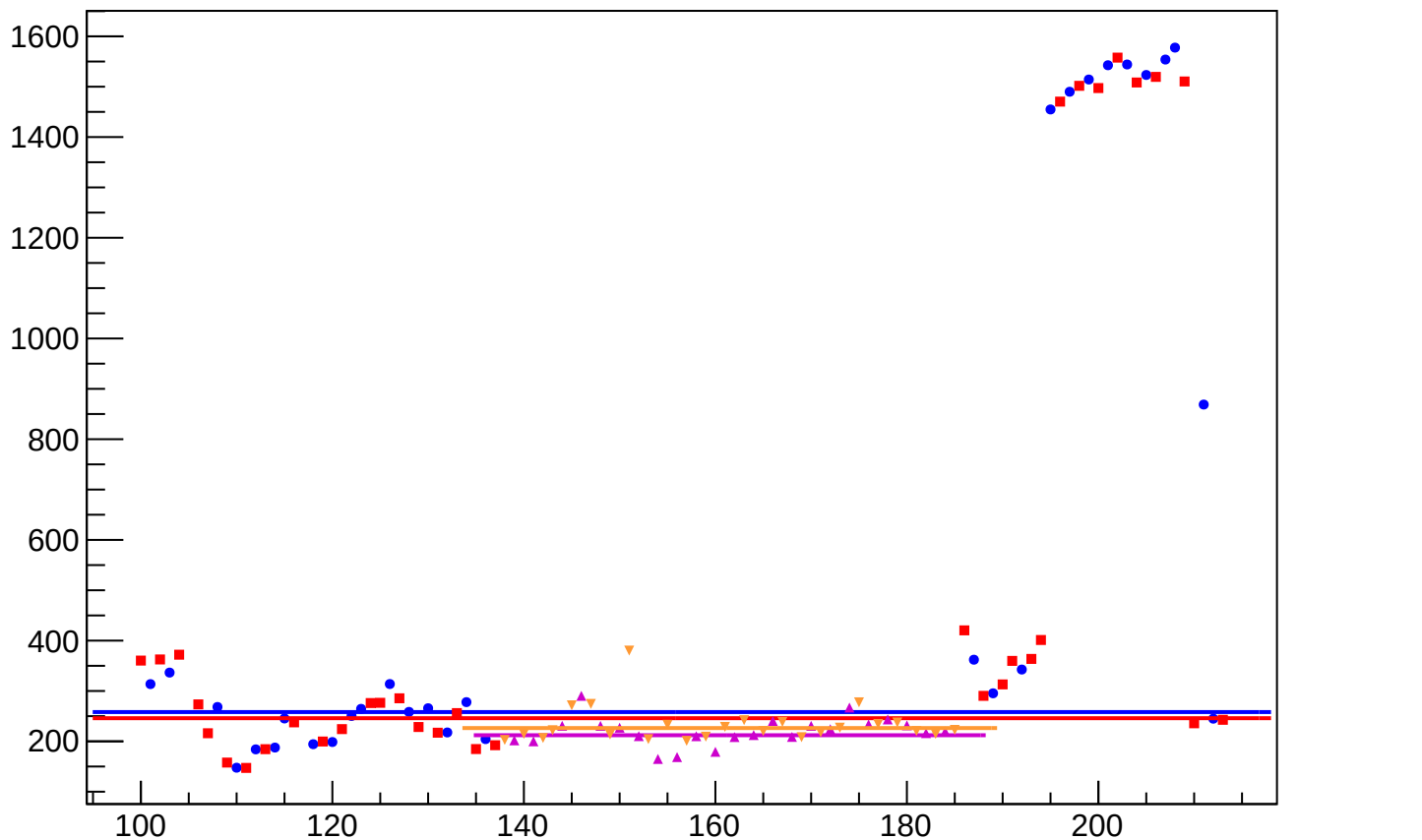
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -0.445 ± 44.535 χ^2/NDF : 2339.2/54

All: 24.231 ± 30.462 χ^2/NDF : 7650.2/111

- sign 45.926 ± 41.758 χ^2/NDF : 5310.4/56

asym_bpm0i07WS_rms vs Slug



Right In: 258.146 $\pm$ 0.057 χ^2 /NDF: 10196524.2/29

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 245.932 $\pm$ 0.050 χ^2 /NDF: 9272612.5/33

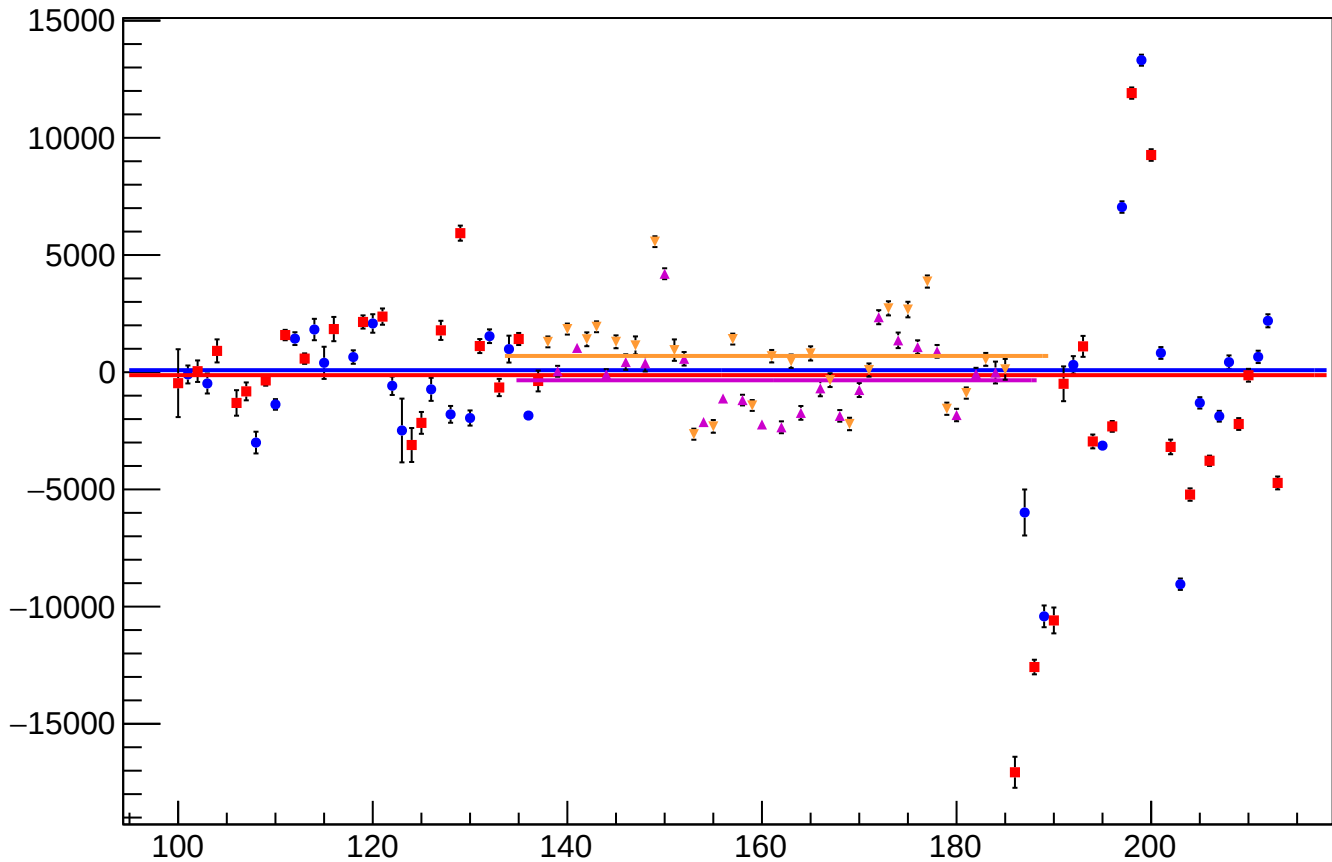
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 236.124 $\pm$ 0.031 χ^2 /NDF: 10934771.0/54

All: 229.700 $\pm$ 0.022 χ^2 /NDF: 21176095.9/11

- sign 224.053 $\pm$ 0.030 χ^2 /NDF: 10163141.7/56

asym_bpm0l01WS_mean vs Slug



Right In: 87.013 ± 56.103 χ^2/NDF : 6671.9/29

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -125.426 ± 54.213 χ^2/NDF : 8506.8/33

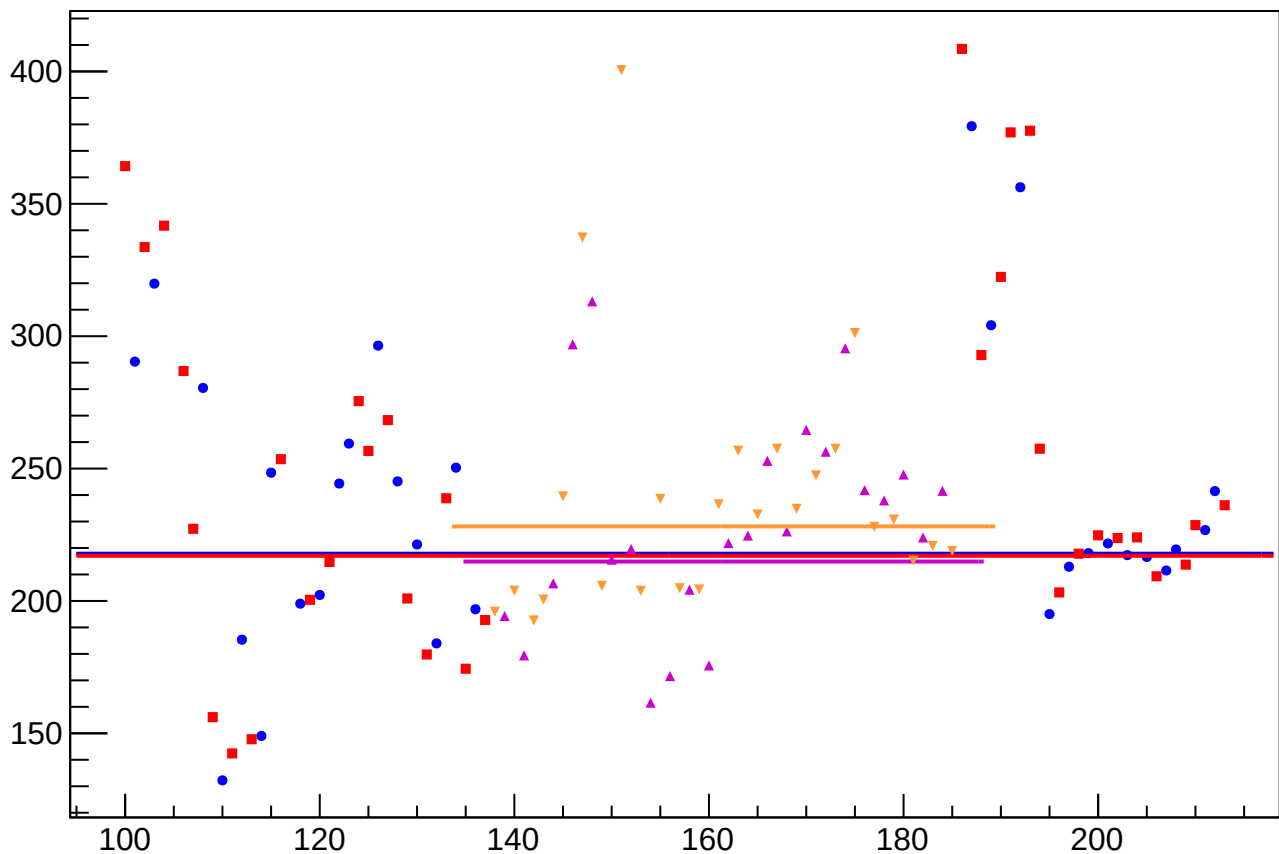
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 400.887 ± 38.998 χ^2/NDF : 8154.5/54

All: 72.384 ± 27.172 χ^2/NDF : 17792.6/111

- sign -237.575 ± 37.881 χ^2/NDF : 9500.2/56

asym_bpm0l01WS_rms vs Slug



Right In: 217.842 $\pm$ 0.040 χ^2 /NDF: 1162931.2/29

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 217.062 $\pm$ 0.038 χ^2 /NDF: 1835976.3/33

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 223.166 $\pm$ 0.028 χ^2 /NDF: 2026182.8/54

All: 219.450 $\pm$ 0.019 χ^2 /NDF: 4936618.4/111

- sign 215.944 $\pm$ 0.027 χ^2 /NDF: 2875145.9/56

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

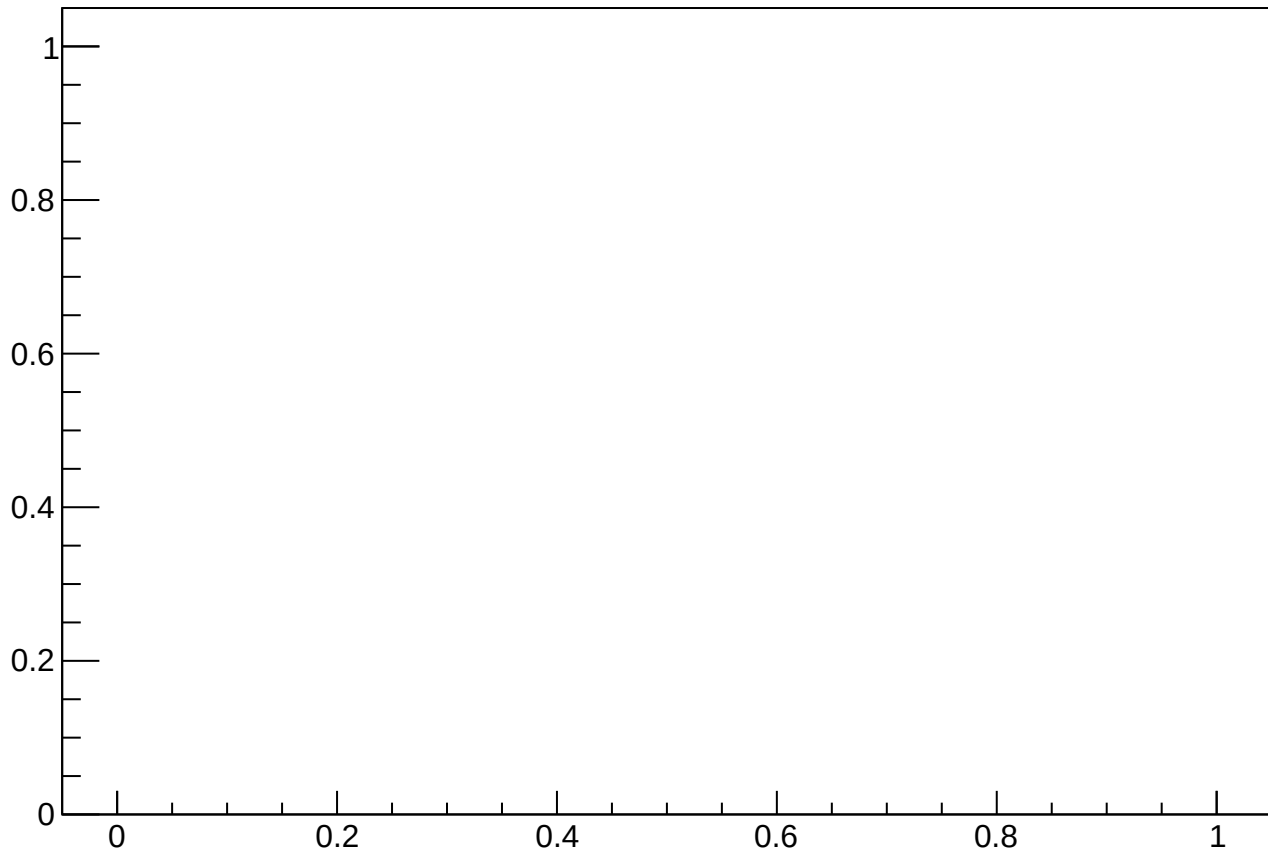
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

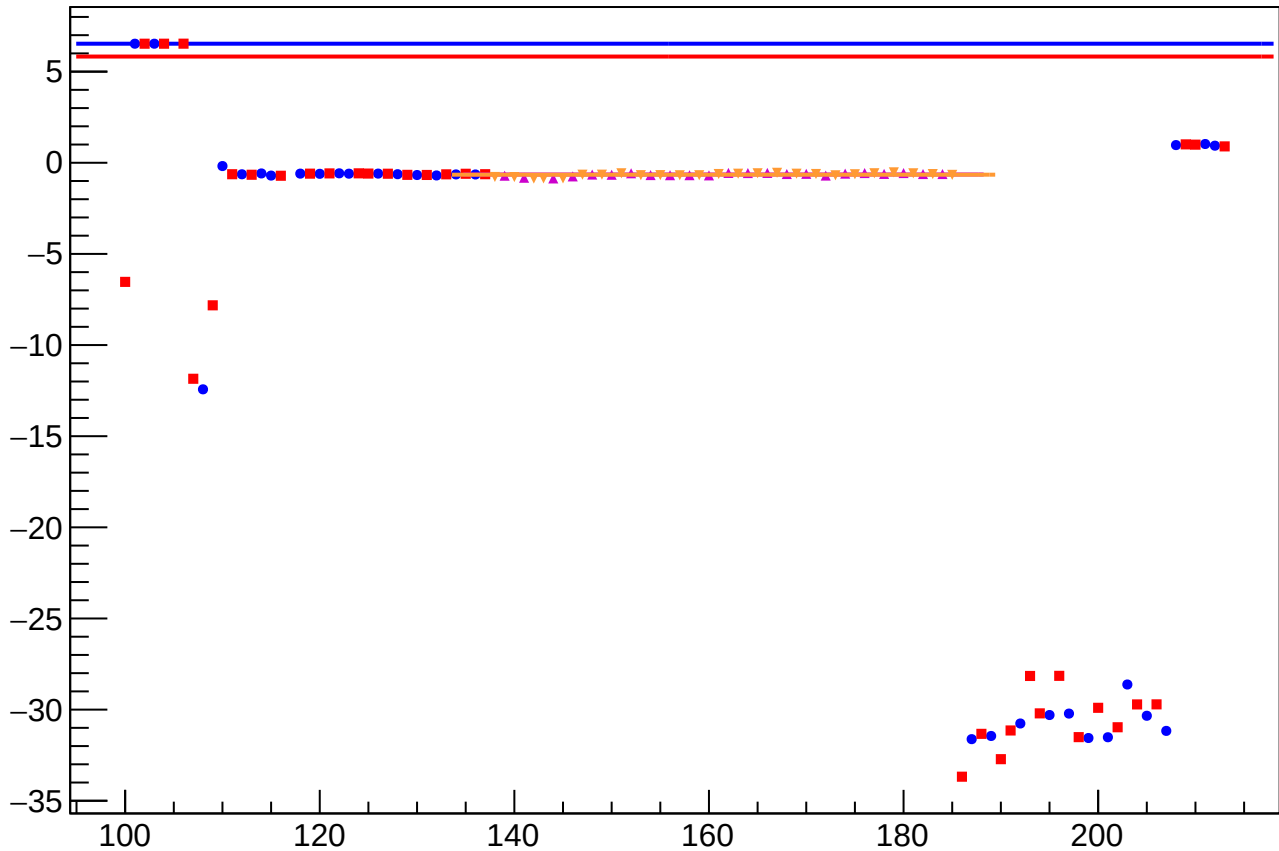
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 133671370592.9/29

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755966309767874.5/33

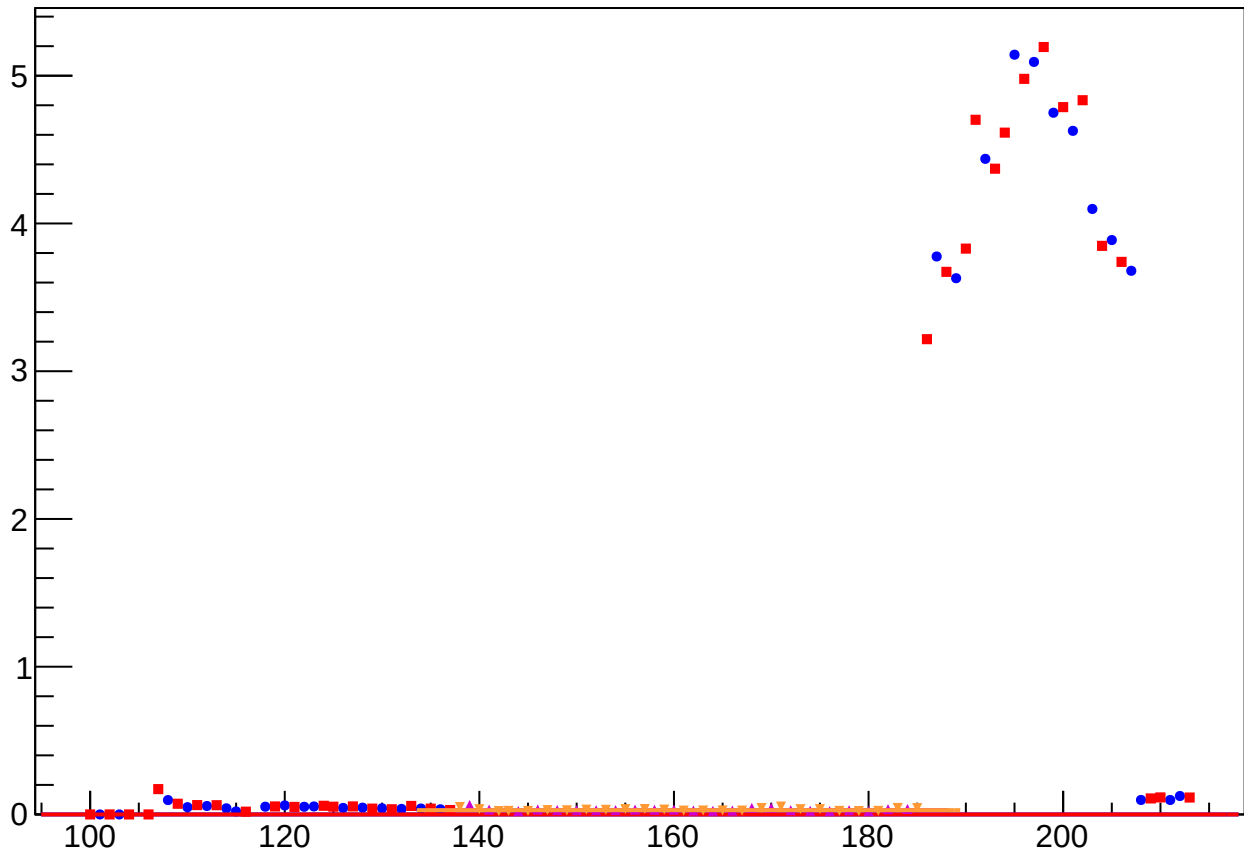
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1007507622714.1/54

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77763717753372

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756644770980608.8/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26801945.0/29

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29025937.5/33

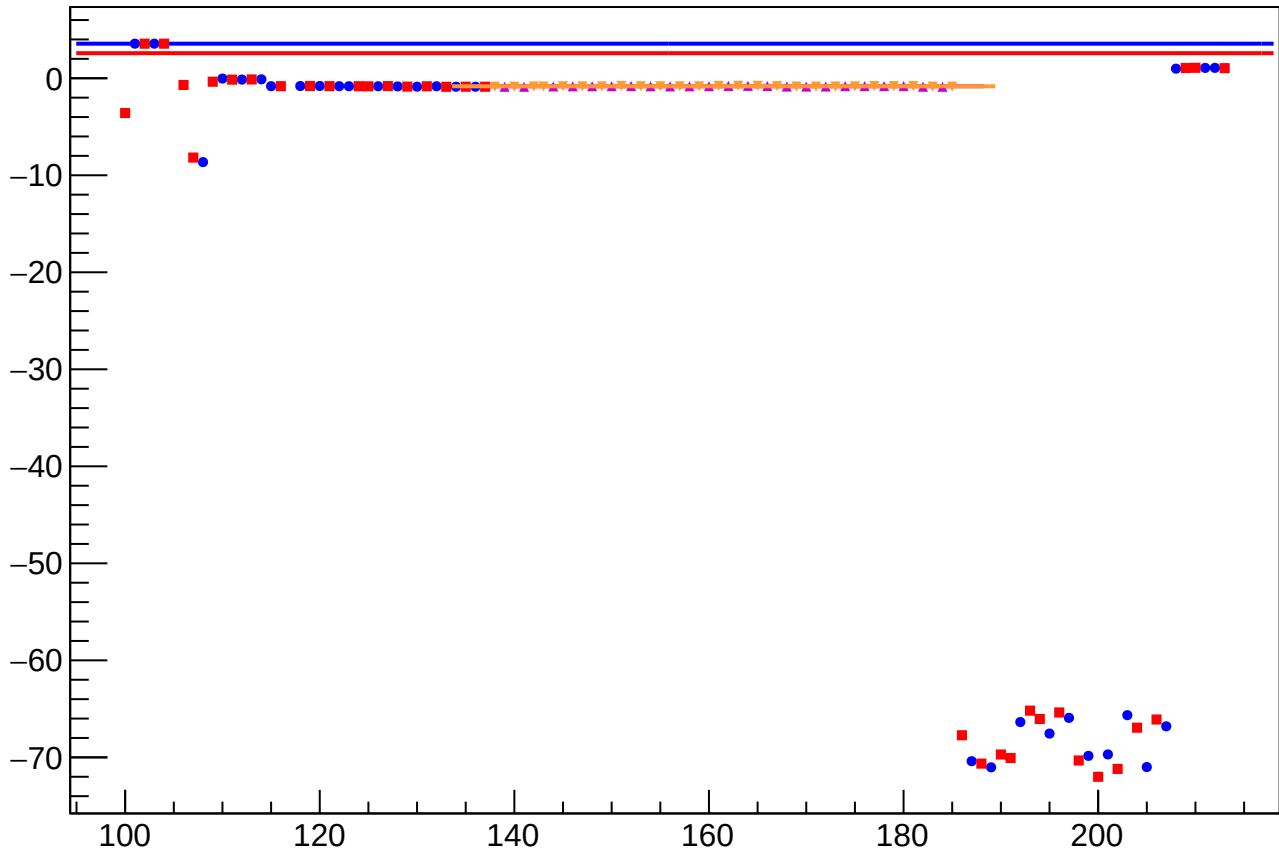
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 56765191.1/54

All: 0.000+/-0.000 χ^2/NDF : 113973250.5/111

- sign 0.000+/-0.000 χ^2/NDF : 57207371.2/56

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 539017866925.8/29

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253545808410849.0/33

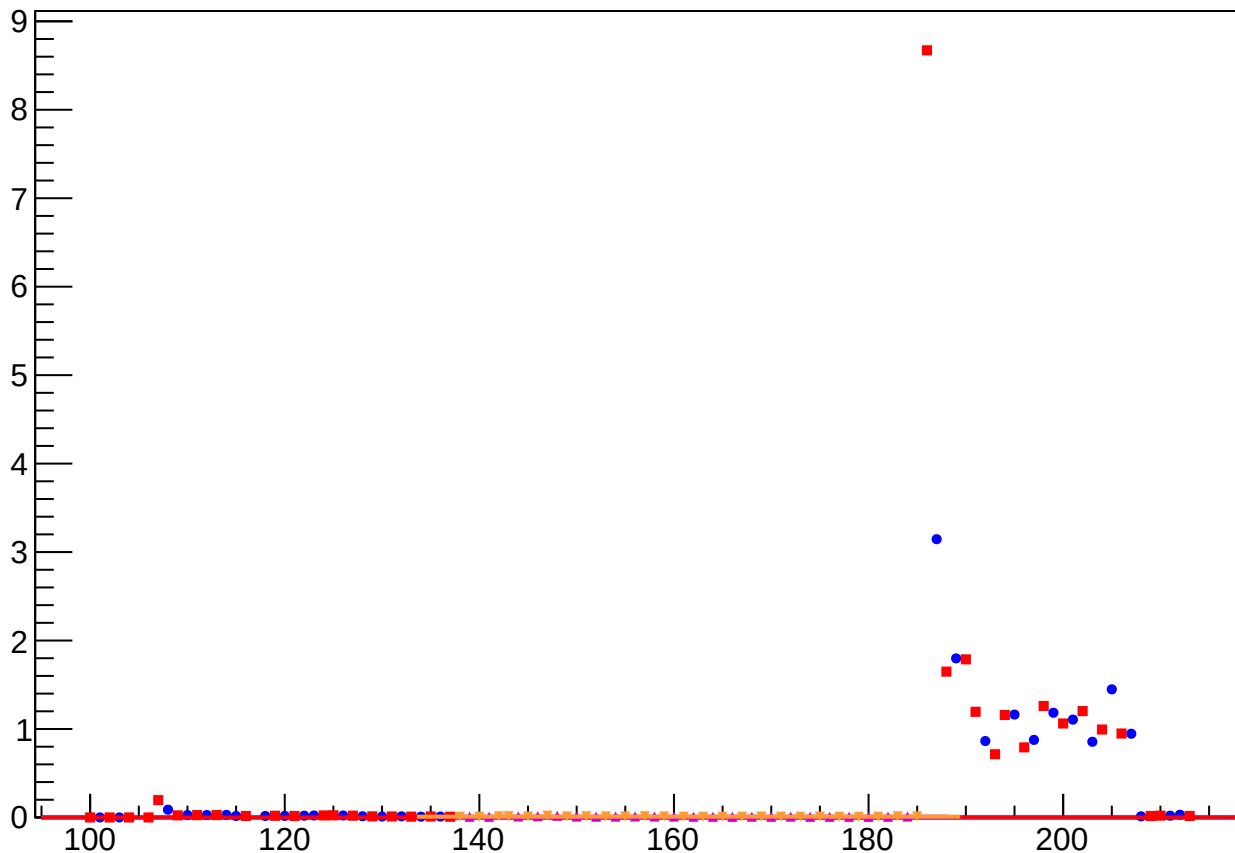
Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4235378650447.7/54

All: 3.038+/-0.000 χ^2/NDF : 13880788815362

- sign 2.581+/-0.000 χ^2/NDF : 1255766856343147.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 24638089.7/29

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26923893.8/33

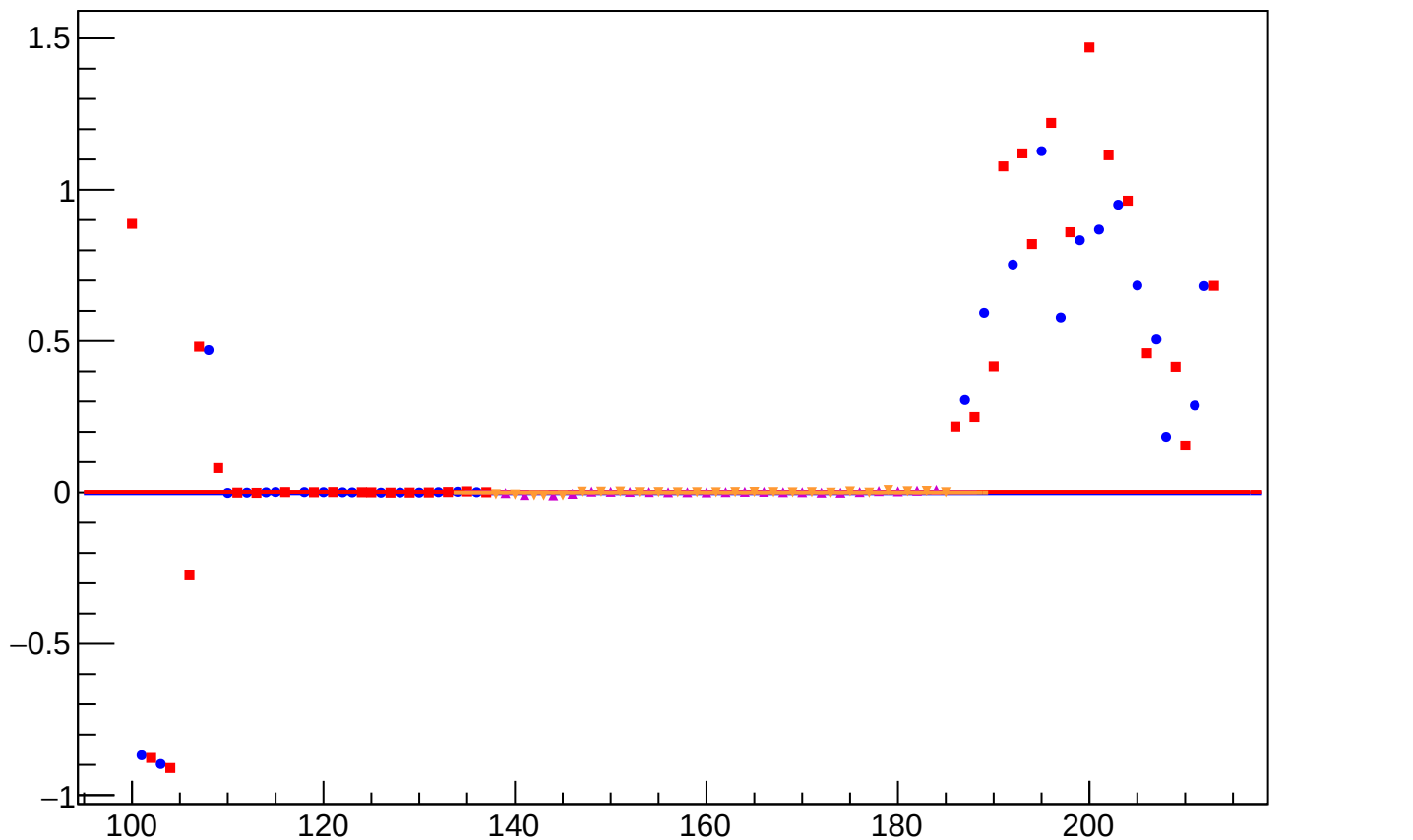
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 56144021.1/54

All: 0.000+/-0.000 χ^2/NDF : 112872947.3/111

- sign 0.000+/-0.000 χ^2/NDF : 56727889.9/56

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9796580192.4/29

Left Out: -0.000+/-0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3043735807.3/33

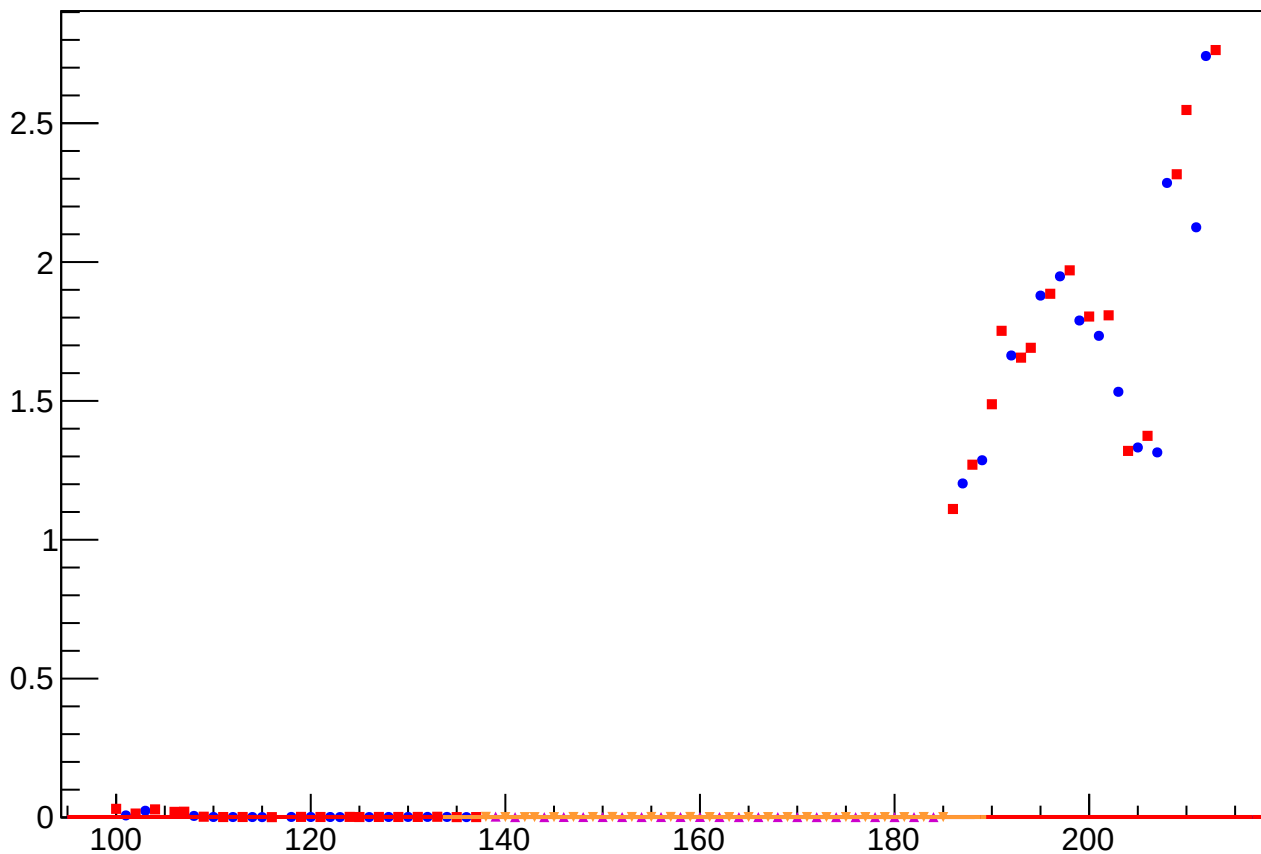
Left In: 0.001+/-0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001+/-0.000 χ^2/NDF : 9955096964.5/54

All: 0.000+/-0.000 χ^2/NDF : 13109832123.4/100

- sign 0.001+/-0.000 χ^2/NDF : 3147183634.5/56

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 19848160.5/29

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 22696840.0/33

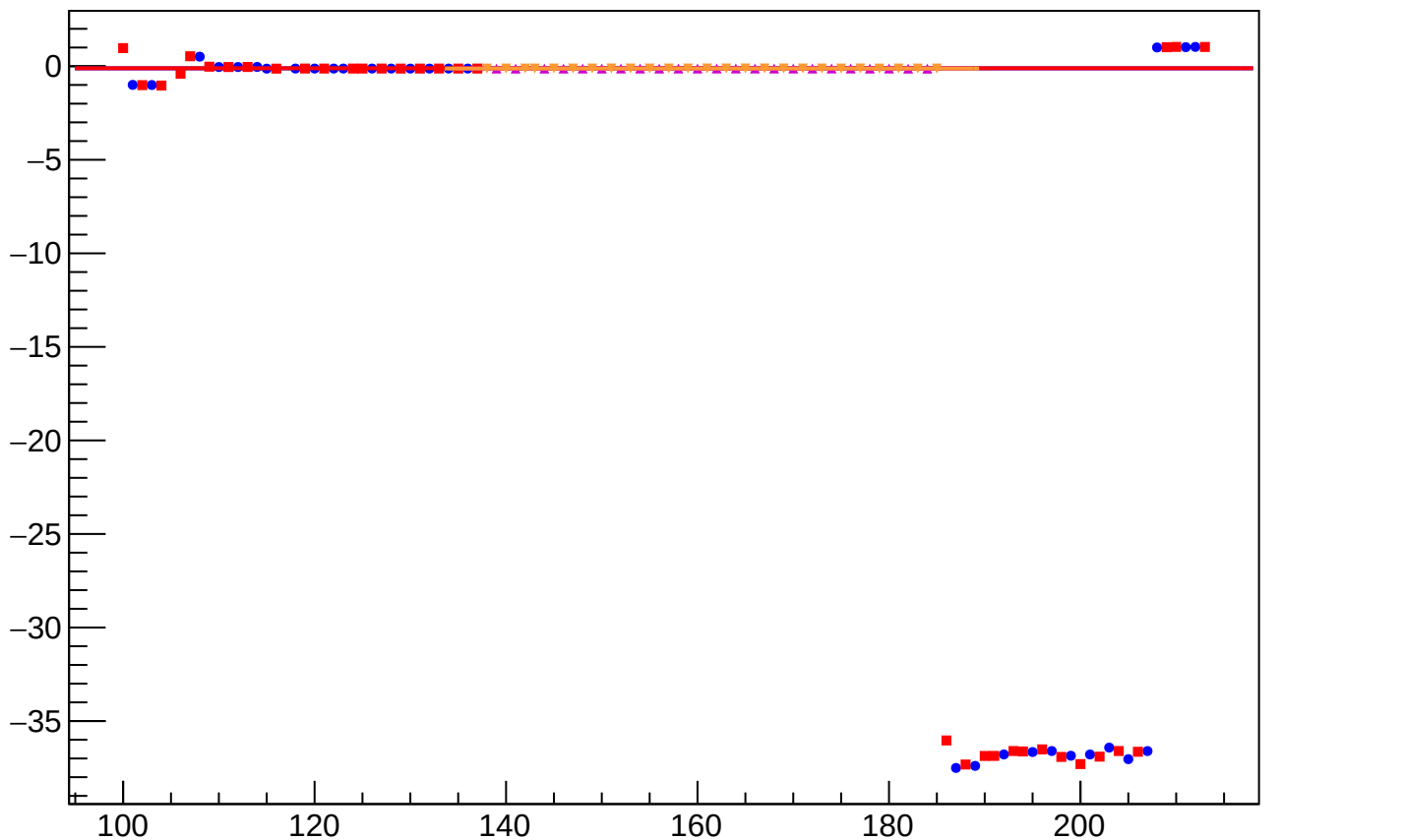
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 20459293.2/54

All: 0.002+/-0.000 χ^2/NDF : 43934859.0/111

- sign 0.002+/-0.000 χ^2/NDF : 23467665.9/56

yield_cav4cY_mean vs Slug



Right In: -0.113 ± 0.000 $\chi^2/\text{NDF}: 82493187932.8/29$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 87770038442.9/33$

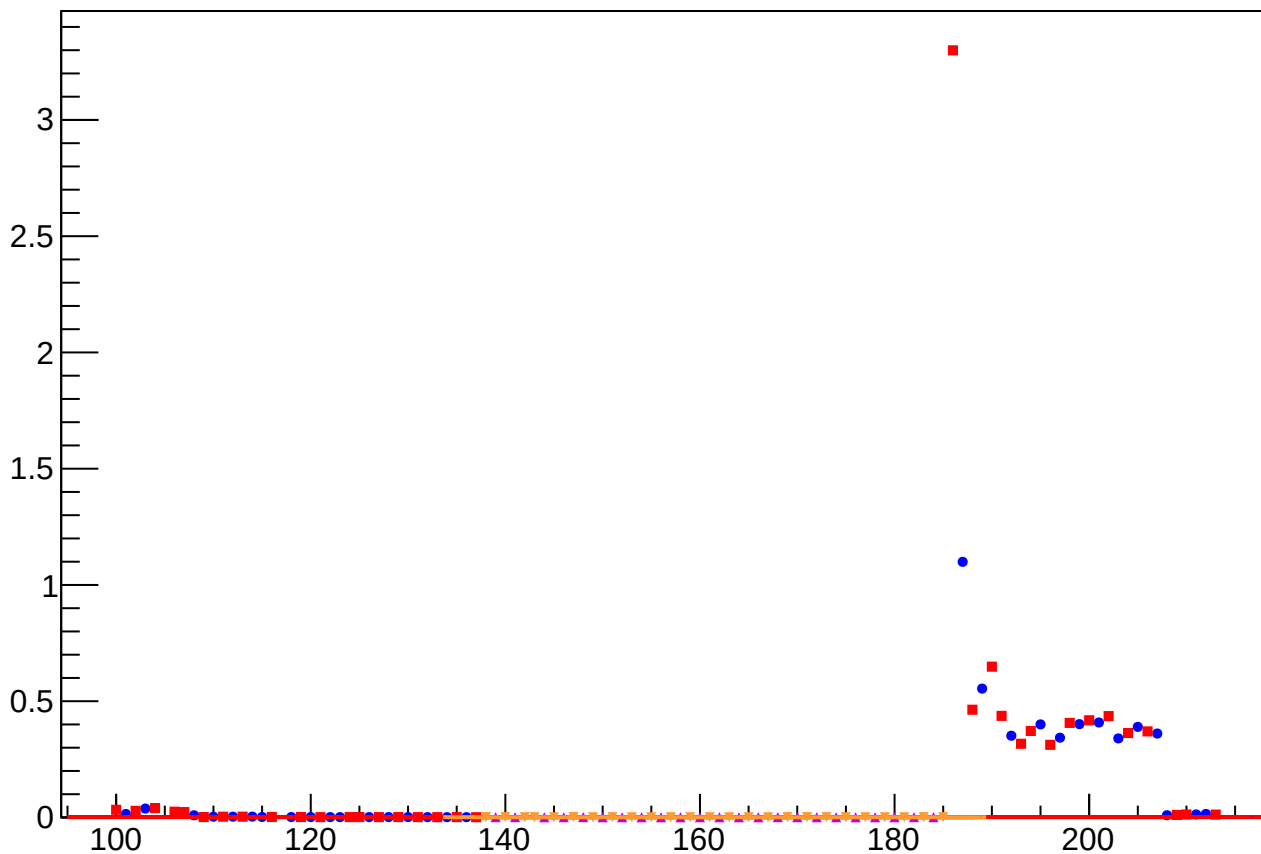
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 82657040041.1/54$

All: -0.120 ± 0.000 $\chi^2/\text{NDF}: 170799596145.7$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 88136454775.0/56$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 19164487.5/29

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 21616744.8/33

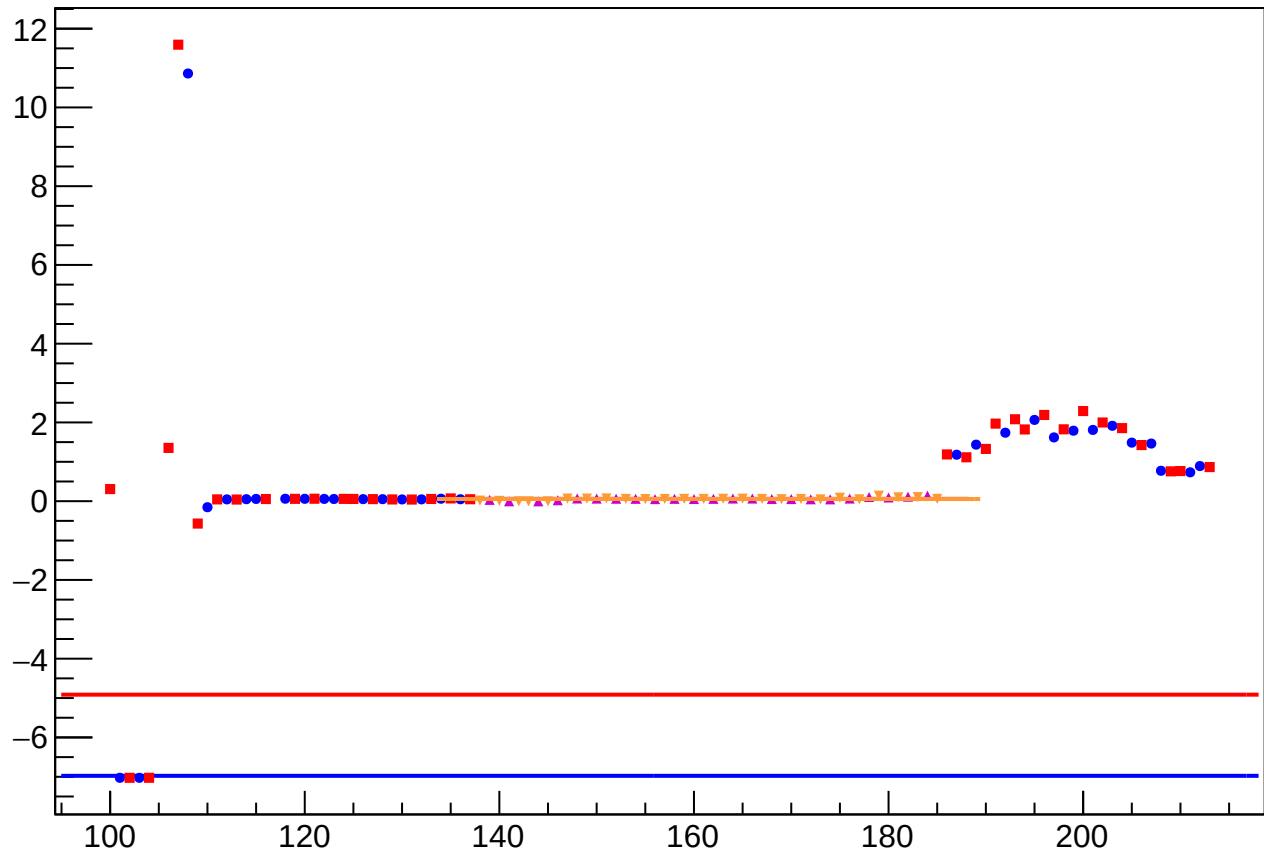
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 22041813.3/54

All: 0.001+/-0.000 χ^2/NDF : 46122597.7/111

- sign 0.001+/-0.000 χ^2/NDF : 24078237.1/56

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762928673343.3/29

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348816745207.2/33

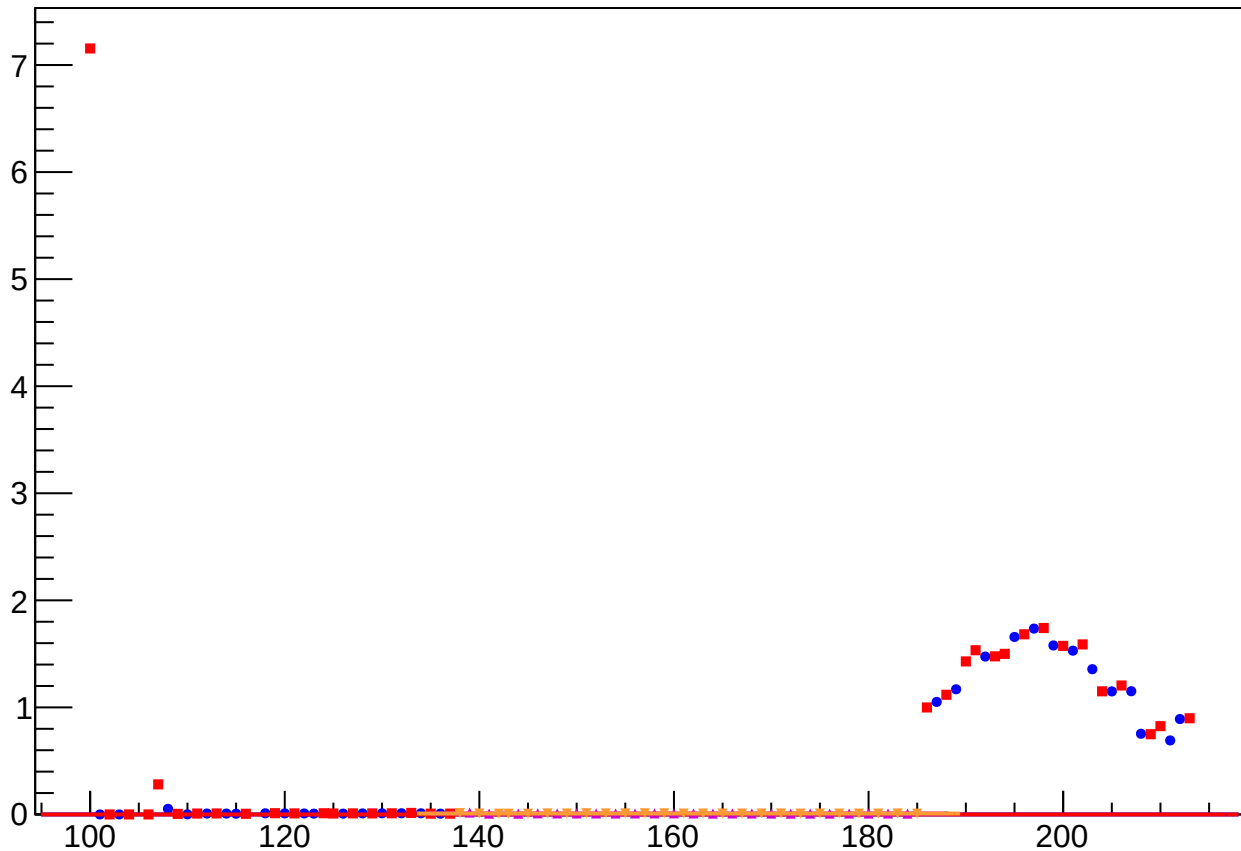
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417913136454.7/29

All: -5.858 ± 0.000 χ^2/NDF : 4435818915828.3/56

- sign -4.882 ± 0.000 χ^2/NDF : 369771105969003.8/33

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26178760.5/29

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 28458966.4/33

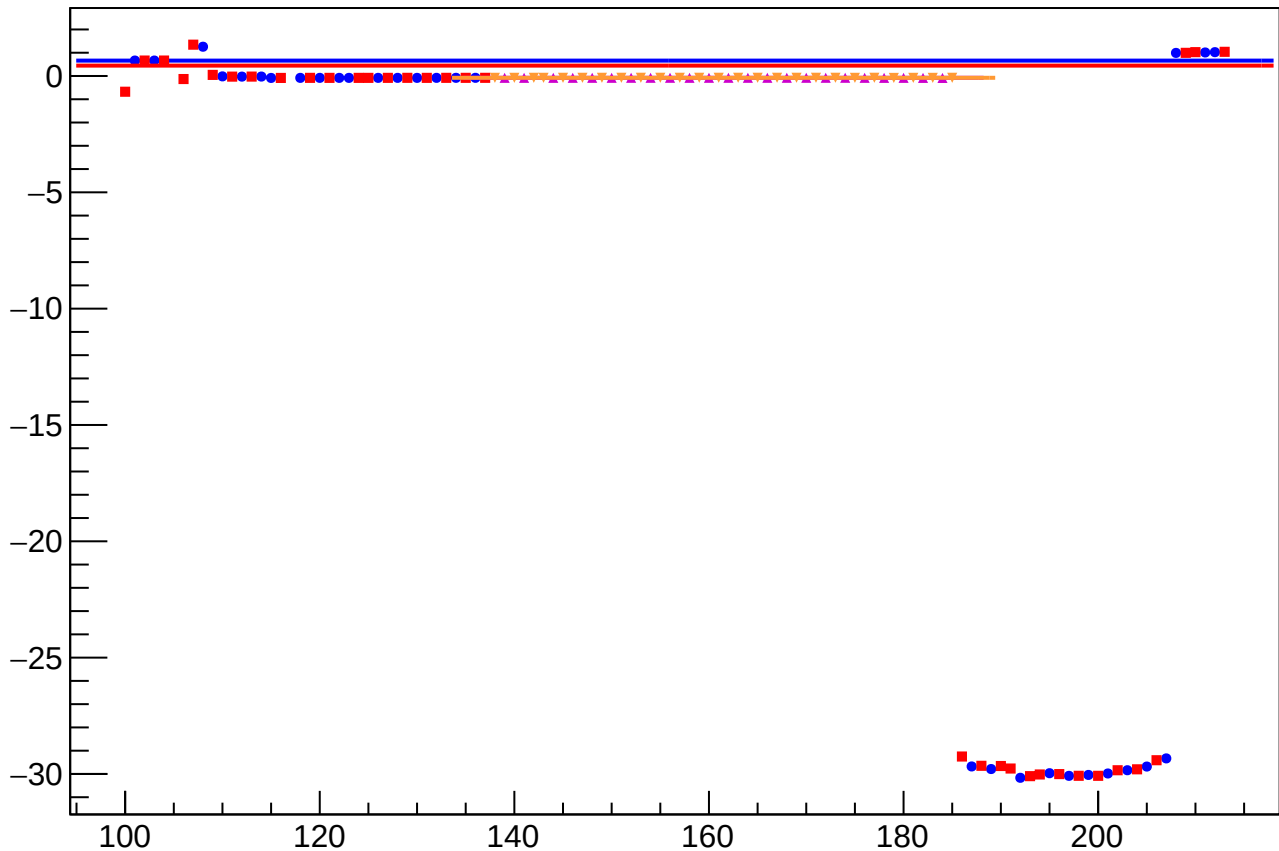
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 55164864.9/54

All: 0.000+/-0.000 χ^2/NDF : 111301135.4/111

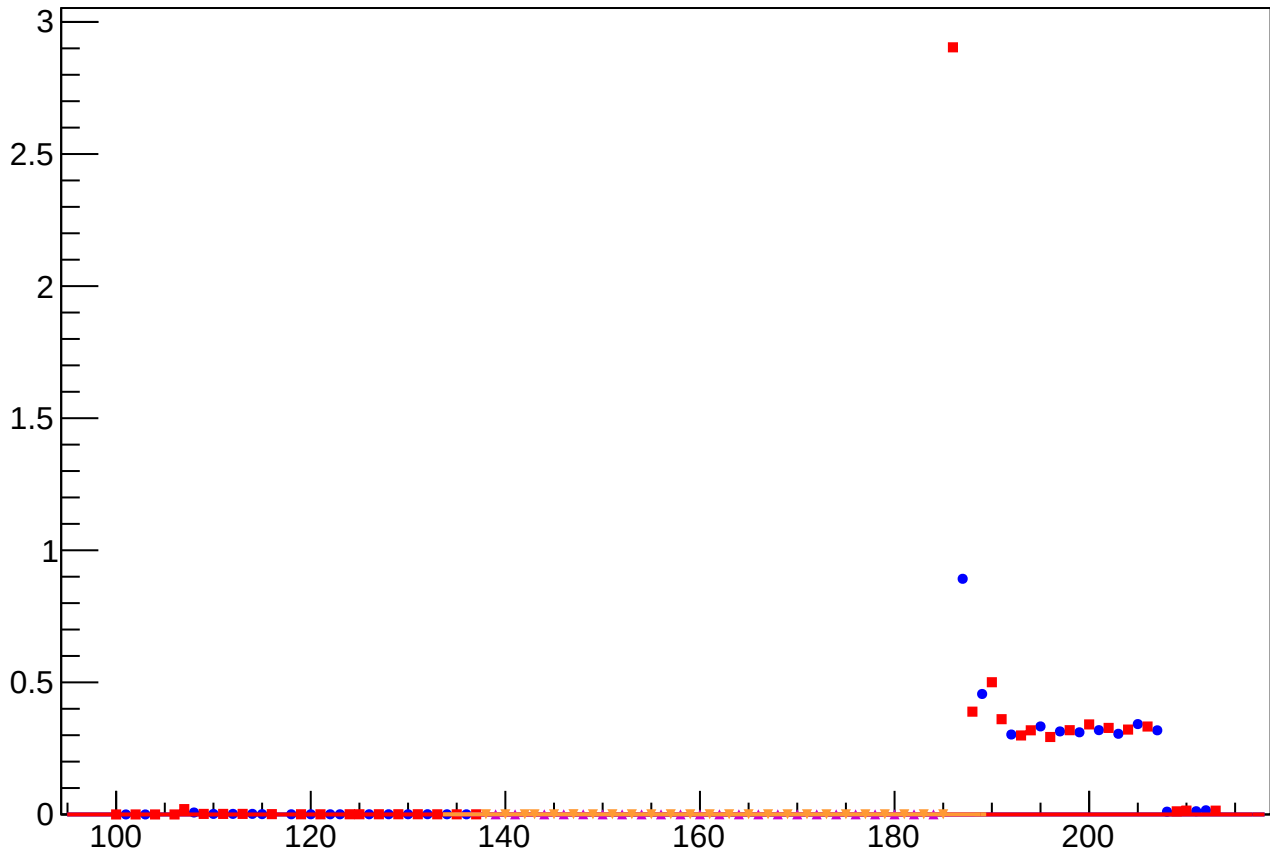
- sign 0.000+/-0.000 χ^2/NDF : 56131795.8/56

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 $\chi^2/\text{NDF}: 5647304354432.7/29$
 Left Out: -0.078 ± 0.000 $\chi^2/\text{NDF}: 156525648.0/24$ + sign 0.646 ± 0.000 $\chi^2/\text{NDF}: 35814898277250.1/5$
 Right Out: 0.446 ± 0.000 $\chi^2/\text{NDF}: 405482589419391.6/33$ All: 0.537 ± 0.000 $\chi^2/\text{NDF}: 51610923767072$
 Left In: -0.077 ± 0.000 $\chi^2/\text{NDF}: 111221084.5/22$ - sign 0.437 ± 0.000 $\chi^2/\text{NDF}: 419714230427020.4/$

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 27566461.2/29

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29028855.2/33

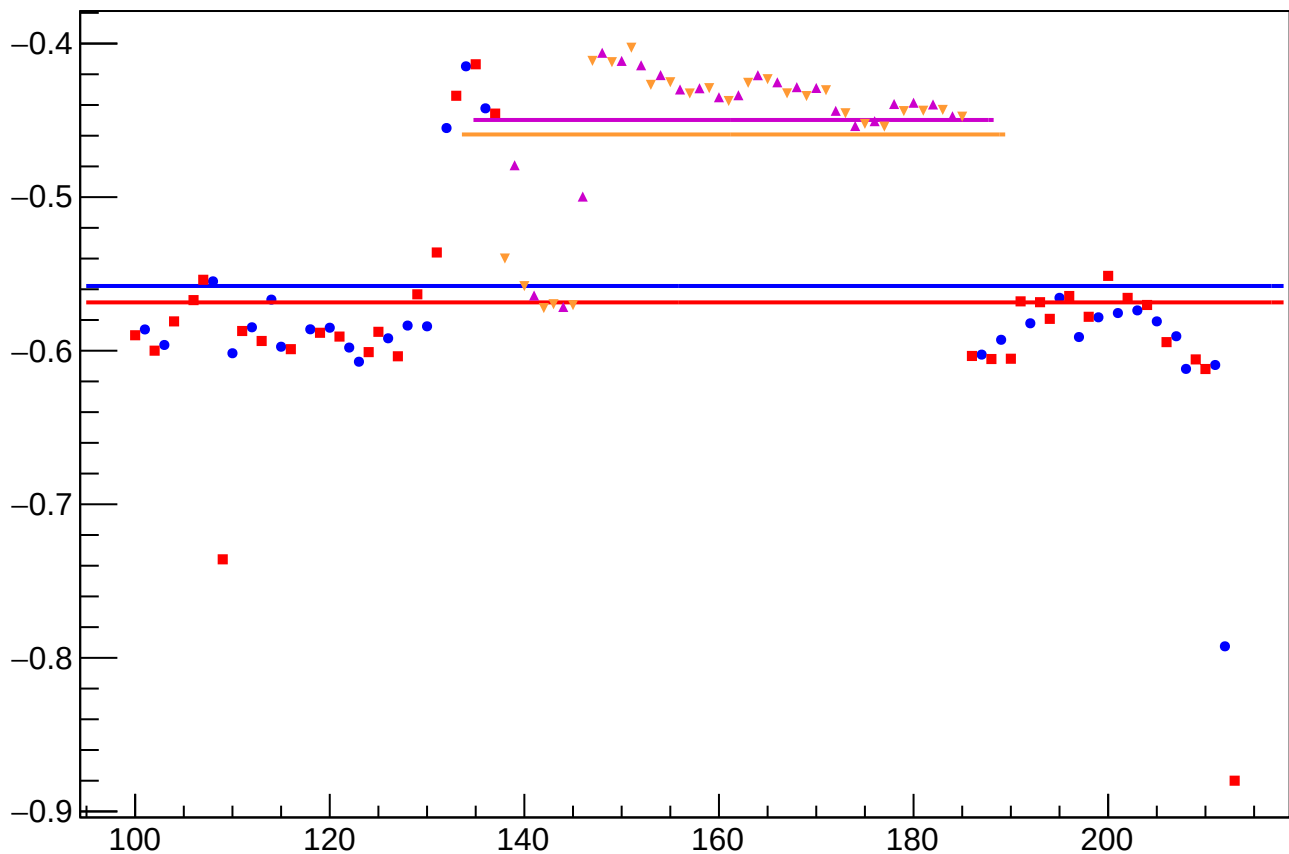
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 60207957.2/54

All: 0.000+/-0.000 χ^2/NDF : 120274250.1/111

- sign 0.000+/-0.000 χ^2/NDF : 60059089.4/56

yield_bpm4aX_mean vs Slug



Right In: -0.558 $\pm$ 0.000 χ^2 /NDF: 63480896.6/29

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113808762.6/24

Right Out: -0.569 $\pm$ 0.000 χ^2 /NDF: 88486301.6/33

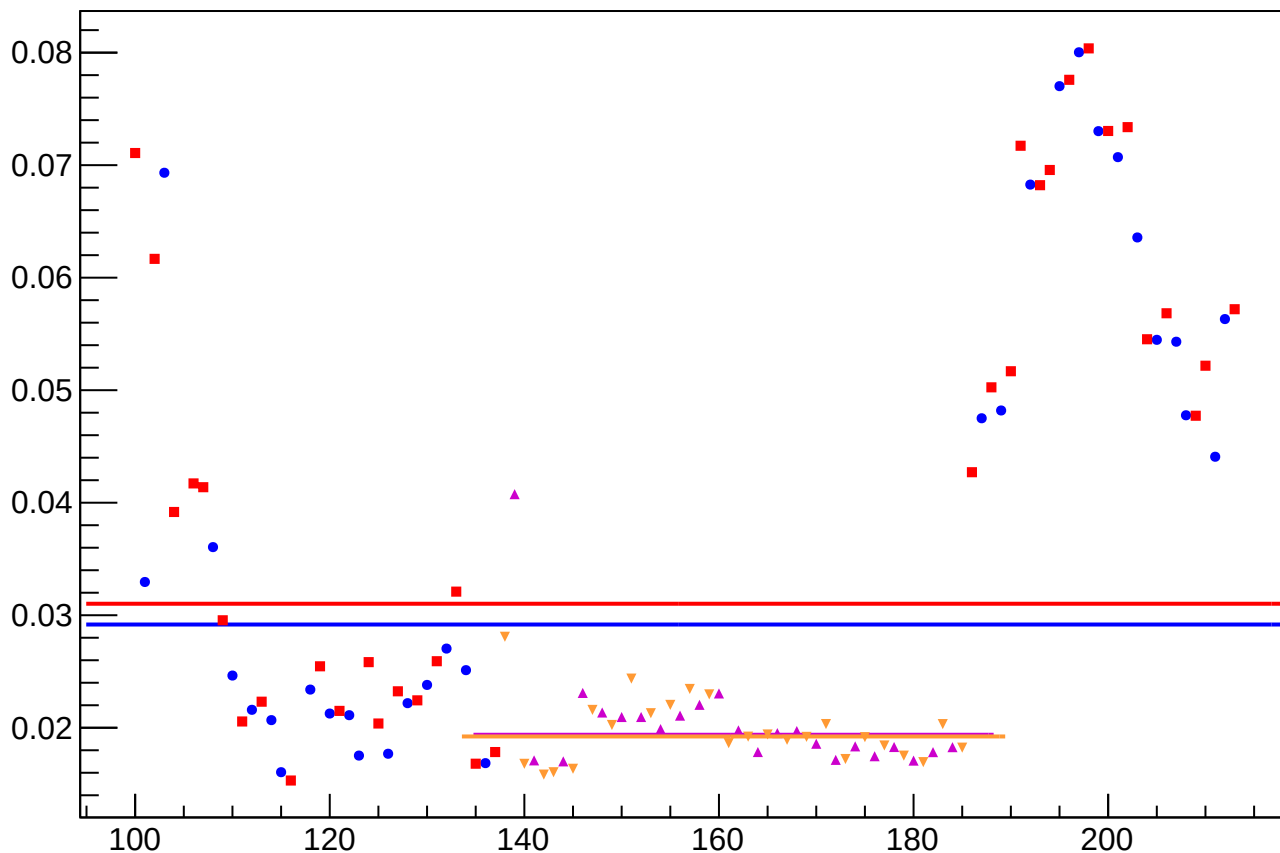
Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76151485.7/22

+ sign -0.483 $\pm$ 0.000 χ^2 /NDF: 272675705.9/54

All: -0.482 $\pm$ 0.000 χ^2 /NDF: 570783946.8/11

- sign -0.480 $\pm$ 0.000 χ^2 /NDF: 297792902.3/56

yield_bpm4aX_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 6941650.3/29

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:501253.7/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 7184859.2/33

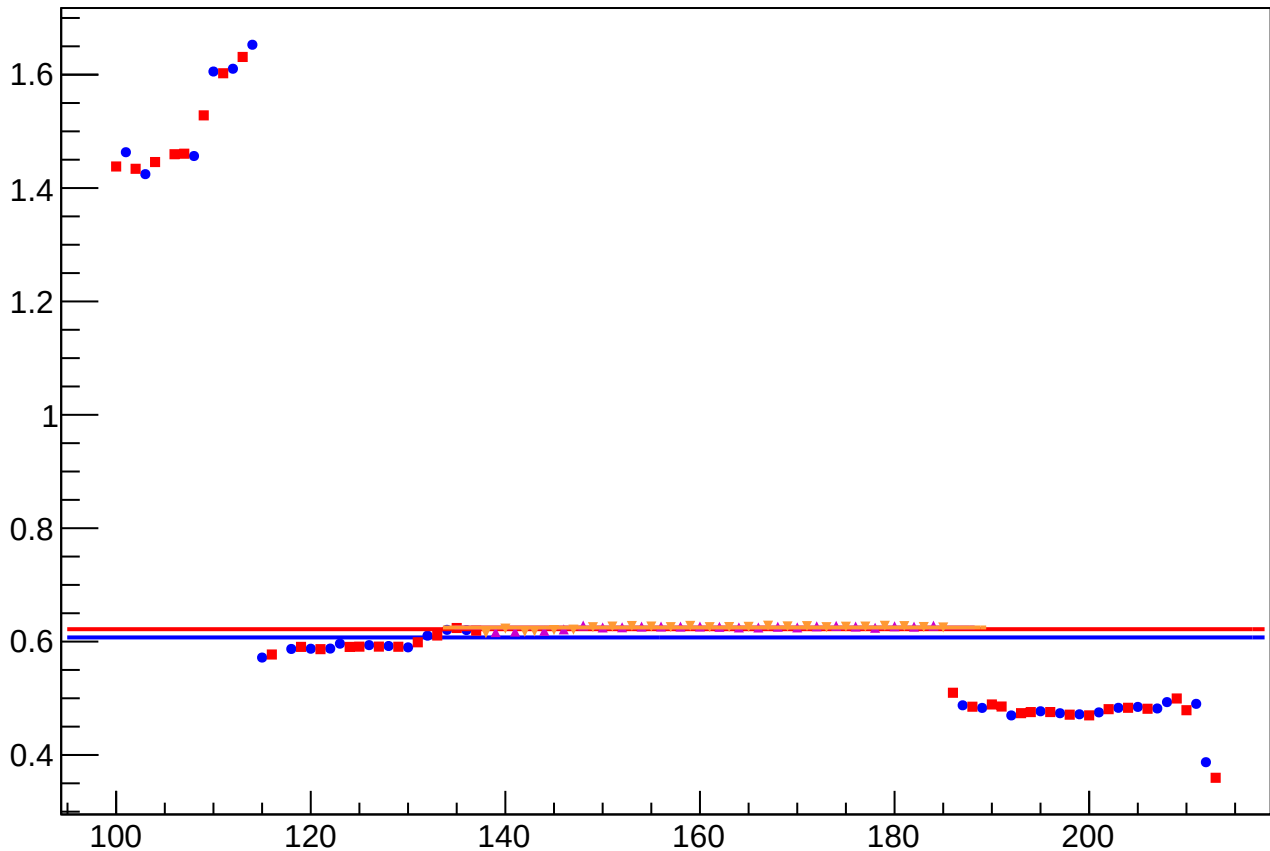
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:656155.9/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 9382899.6/54

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 19805619.3/111

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10399827.6/56

yield_bpm4aY_mean vs Slug



Right In: 0.607 $\pm$ 0.000 χ^2 /NDF: 5215937736.2/29

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.622 $\pm$ 0.000 χ^2 /NDF: 6321066117.3/33

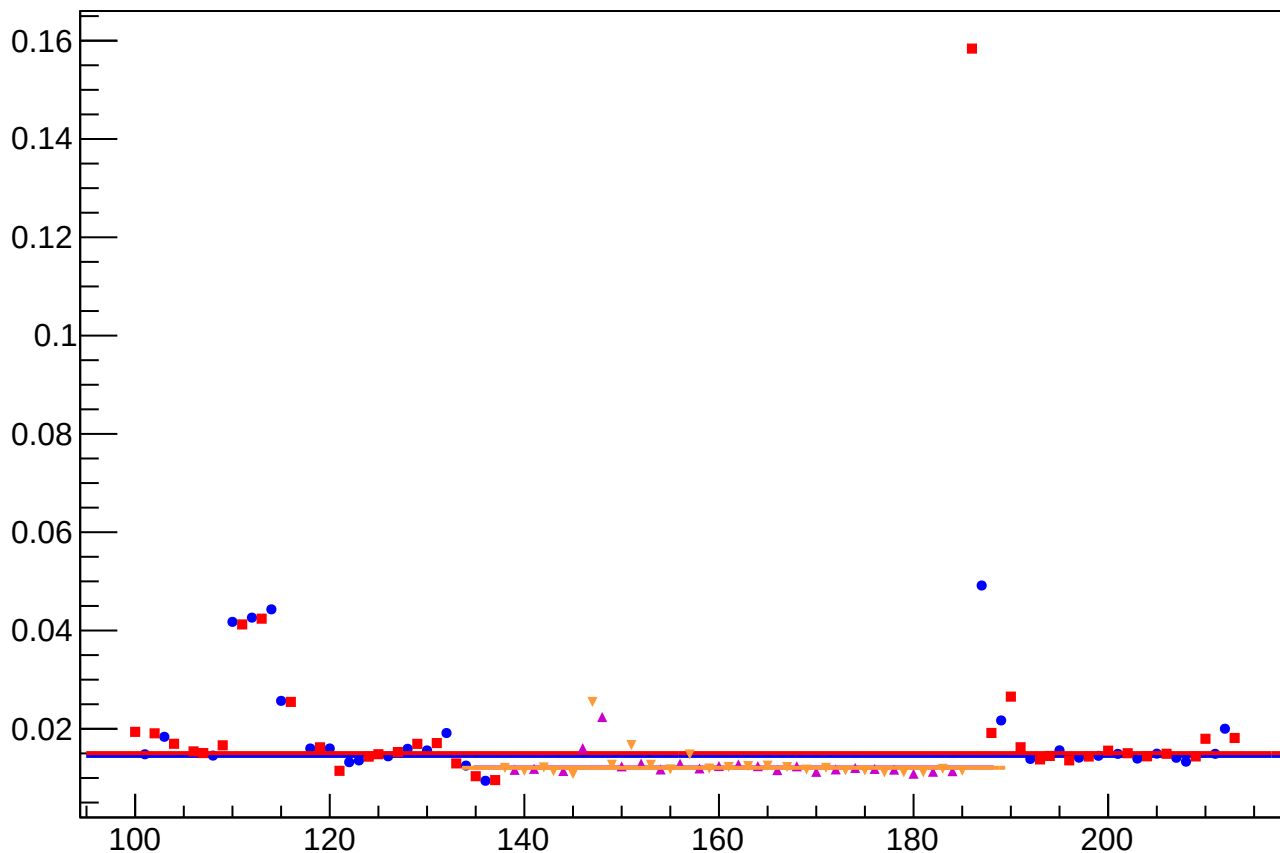
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.619 $\pm$ 0.000 χ^2 /NDF: 5230807040.5/54

All: 0.621 $\pm$ 0.000 χ^2 /NDF: 11555820795.0/100

- sign 0.624 $\pm$ 0.000 χ^2 /NDF: 6322570884.9/56

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1767596.7/29

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2156935.1/33

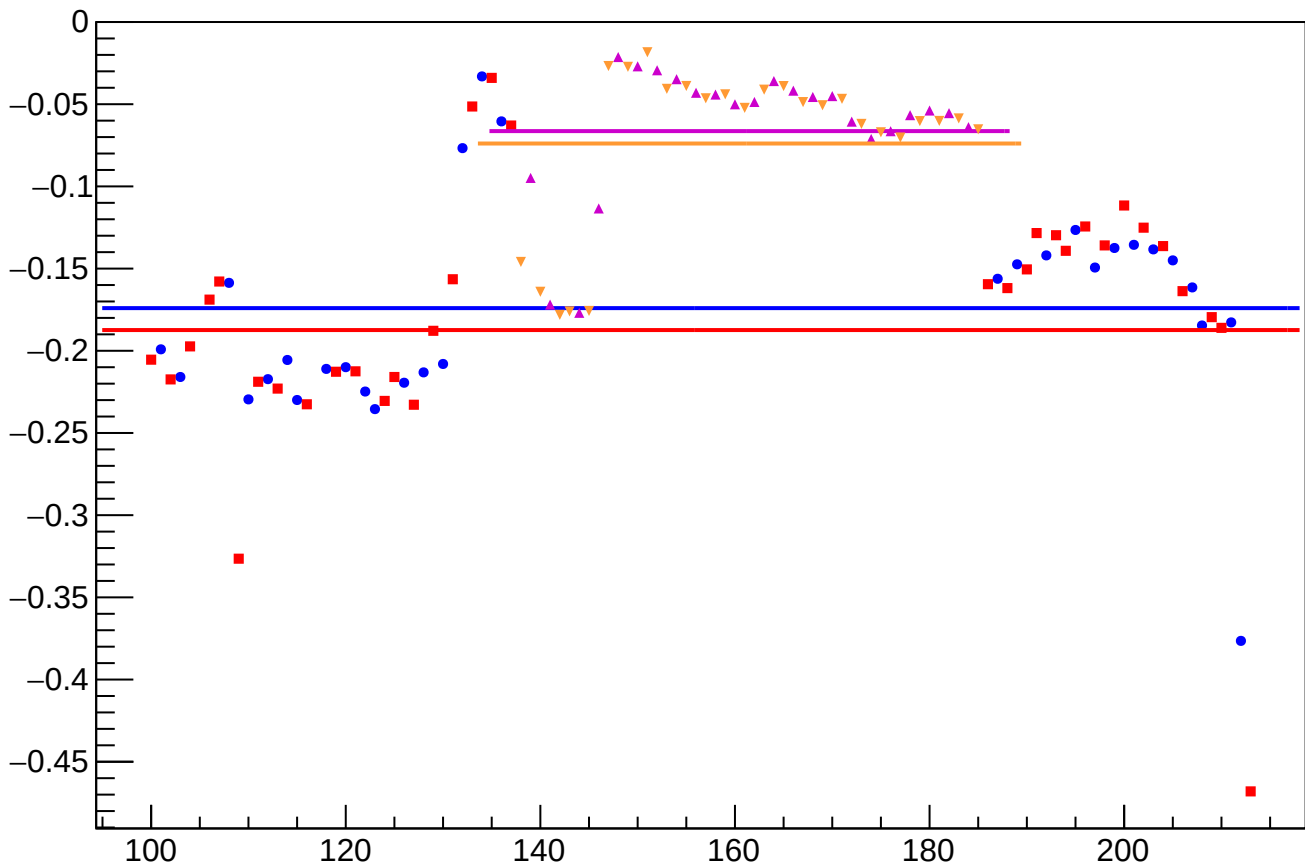
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2933878.2/54

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6320800.8/111

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3372171.3/56

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 79323734.9/29

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.187+/-0.000 χ^2/NDF : 106124003.8/33

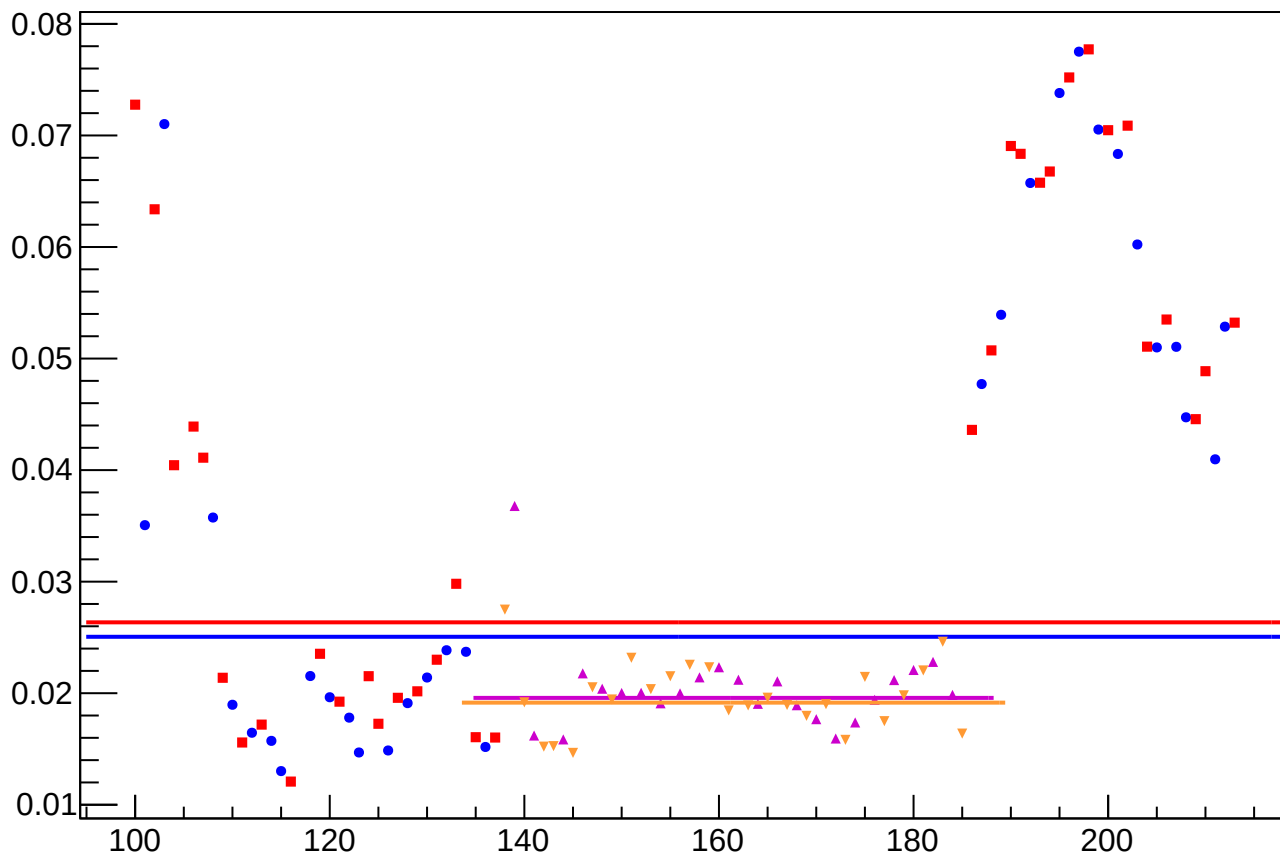
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.103+/-0.000 χ^2/NDF : 306059732.2/54

All: -0.103+/-0.000 χ^2/NDF : 655313196.9/11

- sign -0.103+/-0.000 χ^2/NDF : 349247901.6/56

yield_bpm4eX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 8129917.4/29

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641027.3/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 8765518.7/33

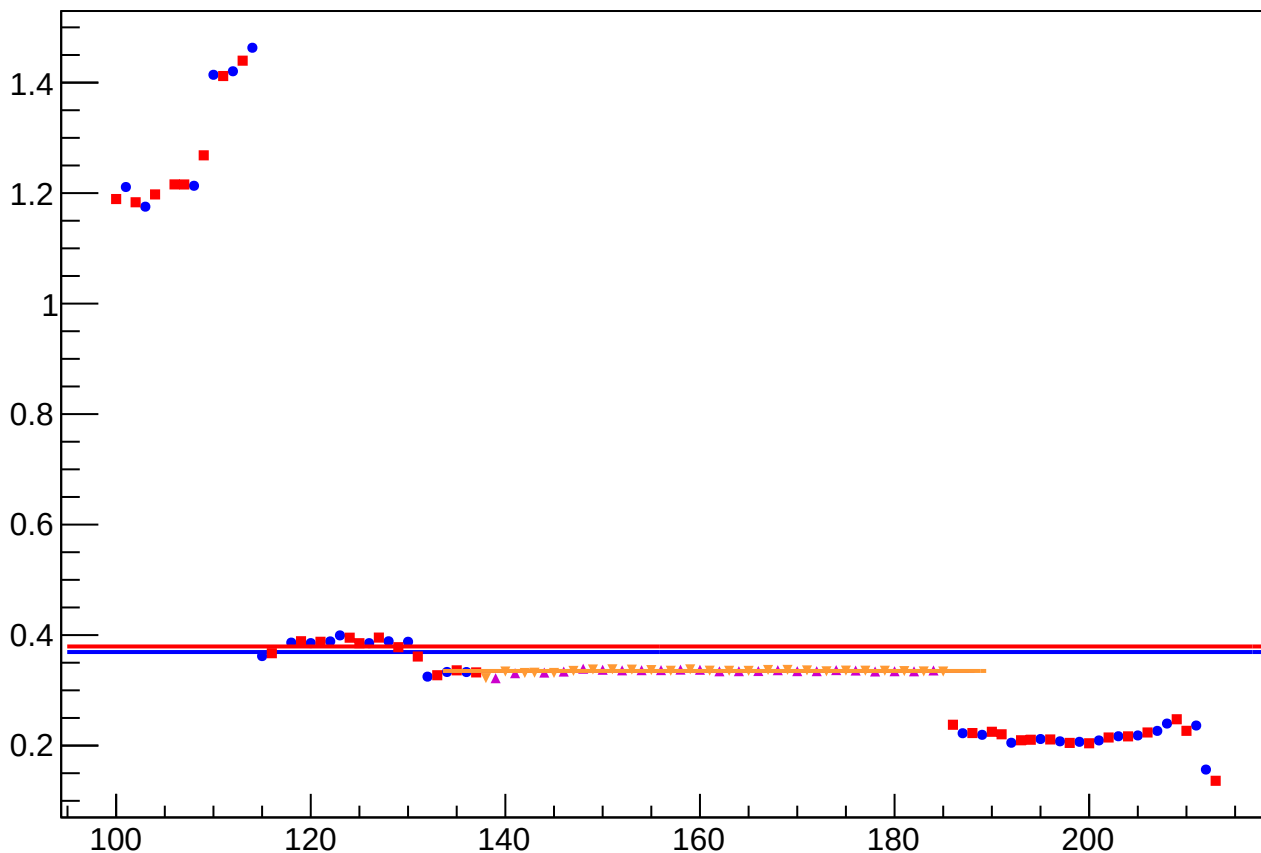
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9597199.5/54

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 20093415.7/111

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10461692.1/56

yield_bpm4eY_mean vs Slug



Right In: 0.369+/-0.000 χ^2/NDF : 7661328146.7/29

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.379+/-0.000 χ^2/NDF : 8819291176.3/33

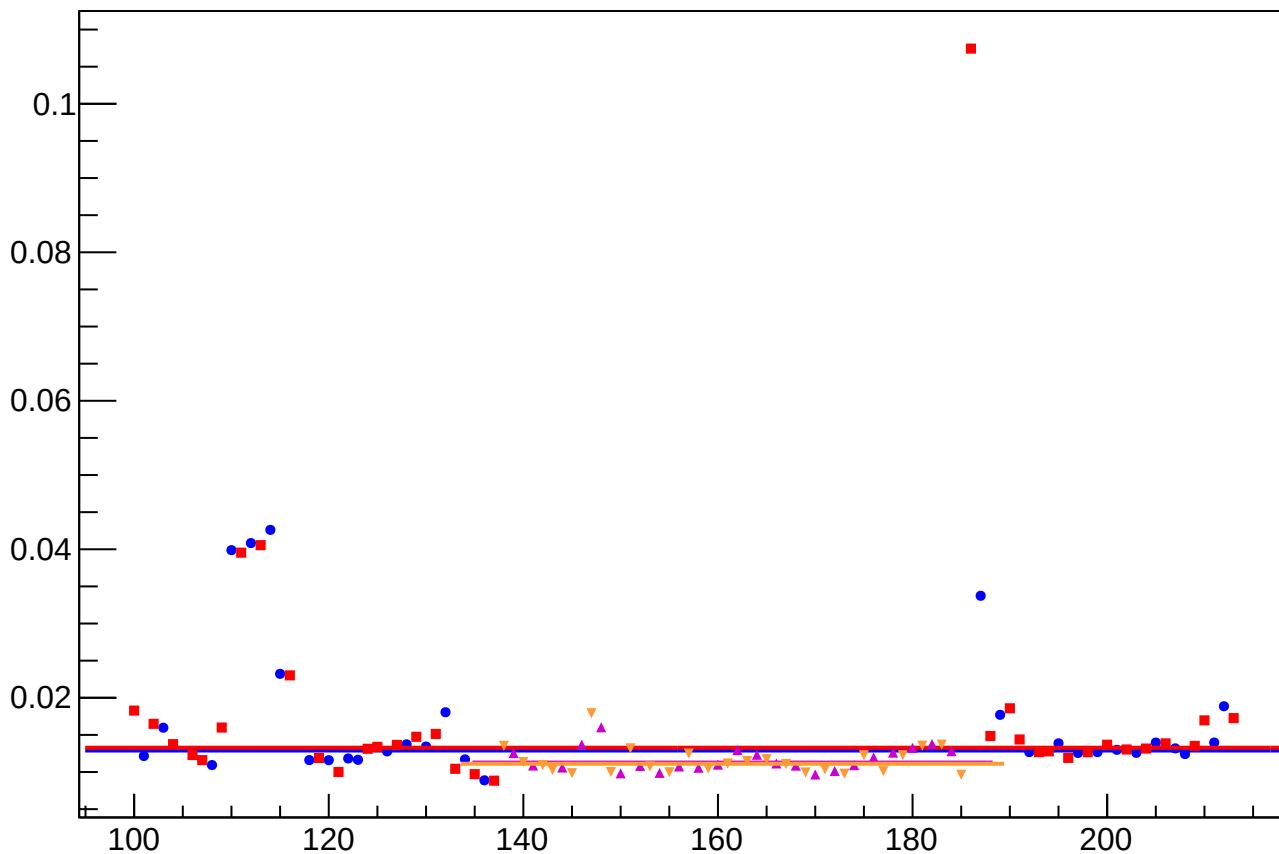
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.348+/-0.000 χ^2/NDF : 7725098815.9/54

All: 0.350+/-0.000 χ^2/NDF : 16650721828.9/100

- sign 0.353+/-0.000 χ^2/NDF : 8923188038.1/56

yield_bpm4eY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1684979.9/29

Left Out: 0.011 ± 0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 2089755.1/33

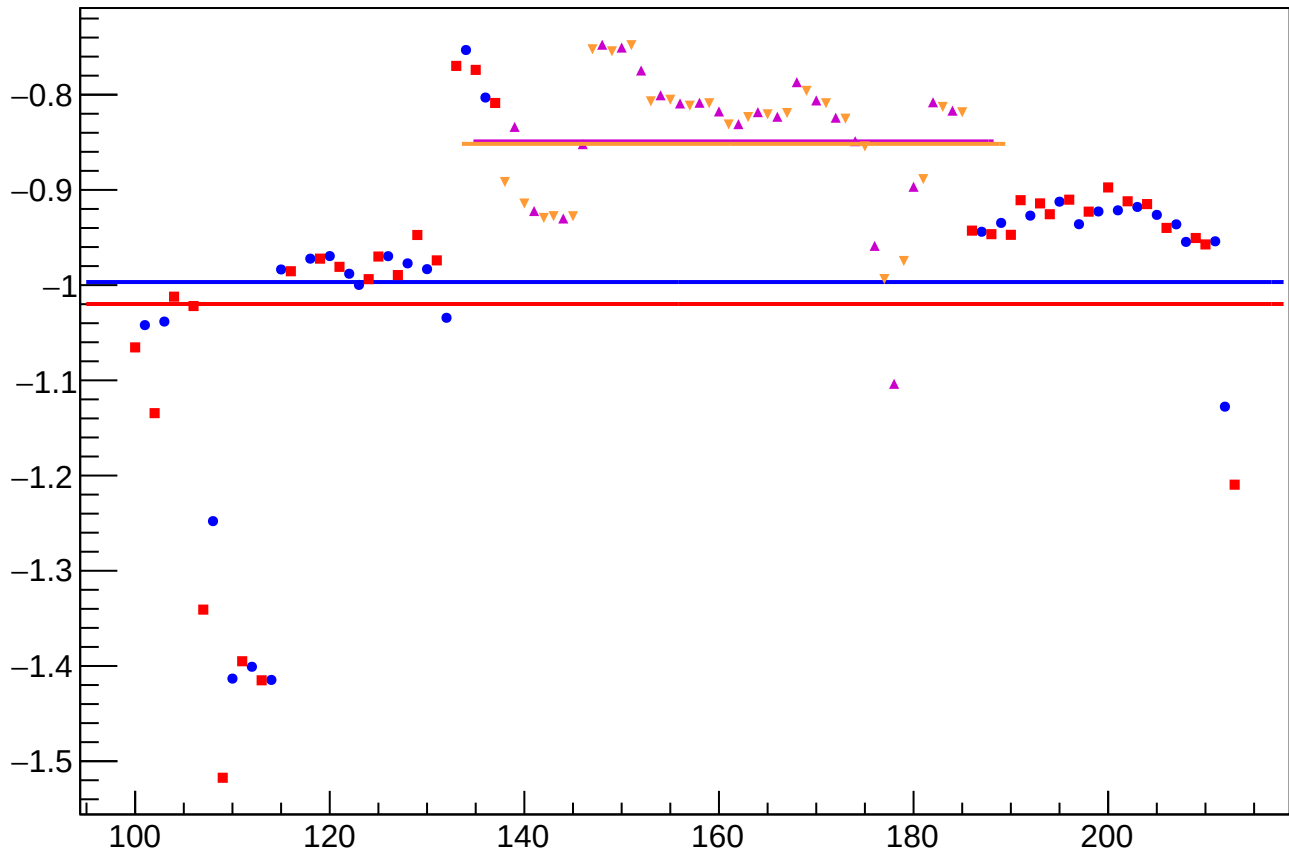
Left In: 0.011 ± 0.000 χ^2/NDF : 502226.7/22

+ sign 0.012 ± 0.000 χ^2/NDF : 2632391.8/54

All: 0.012 ± 0.000 χ^2/NDF : 5659118.0/111

- sign 0.012 ± 0.000 χ^2/NDF : 3008945.1/56

yield_bpm4acX_mean vs Slug



Right In: -0.997 ± 0.000 χ^2/NDF : 408676458.0/29

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.020 ± 0.000 χ^2/NDF : 567656432.7/33

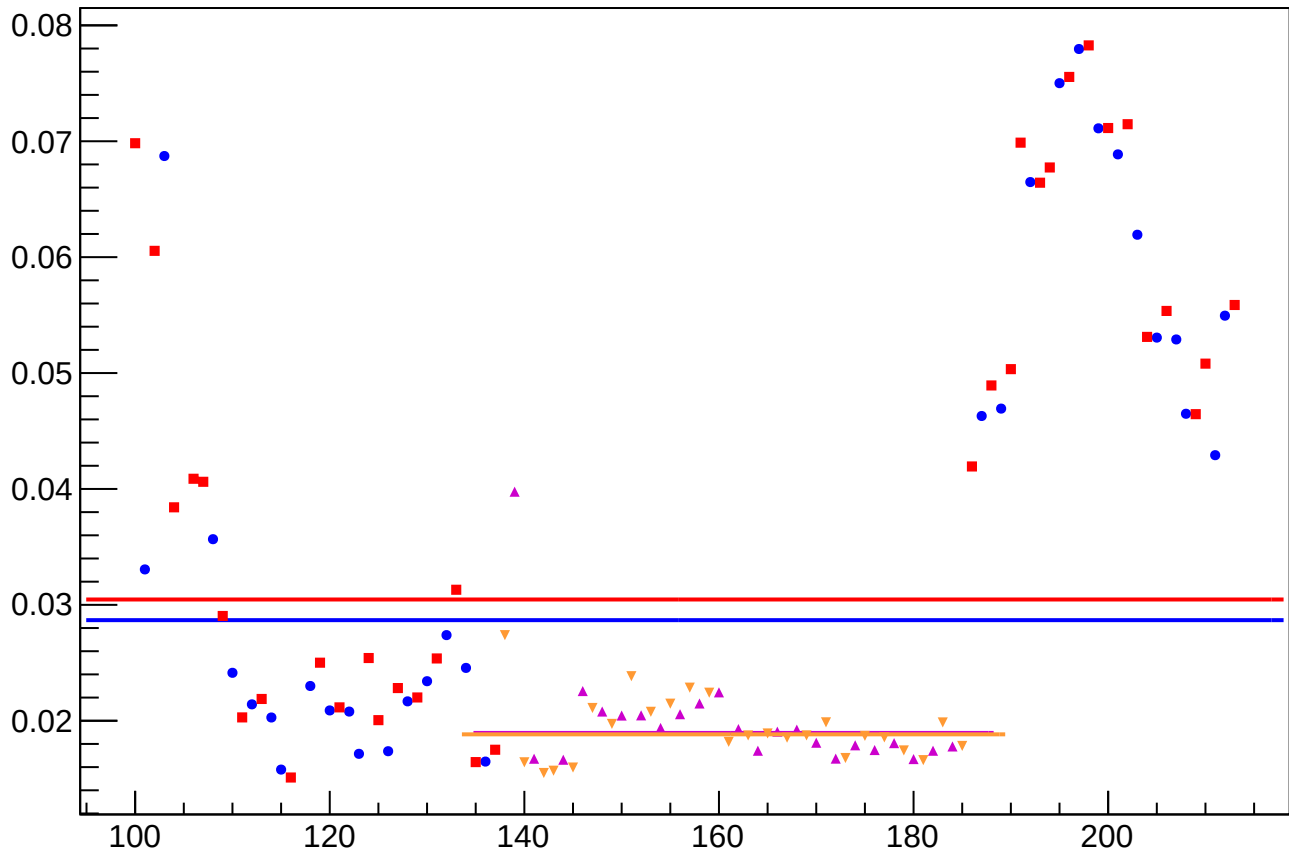
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.887 ± 0.000 χ^2/NDF : 812302324.9/54

All: -0.889 ± 0.000 χ^2/NDF : 1923545953.6/1

- sign -0.892 ± 0.000 χ^2/NDF : 1110556441.8/56

yield_bpm4acX_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 6887604.3/29

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.030+/-0.000 χ^2/NDF : 7106194.8/33

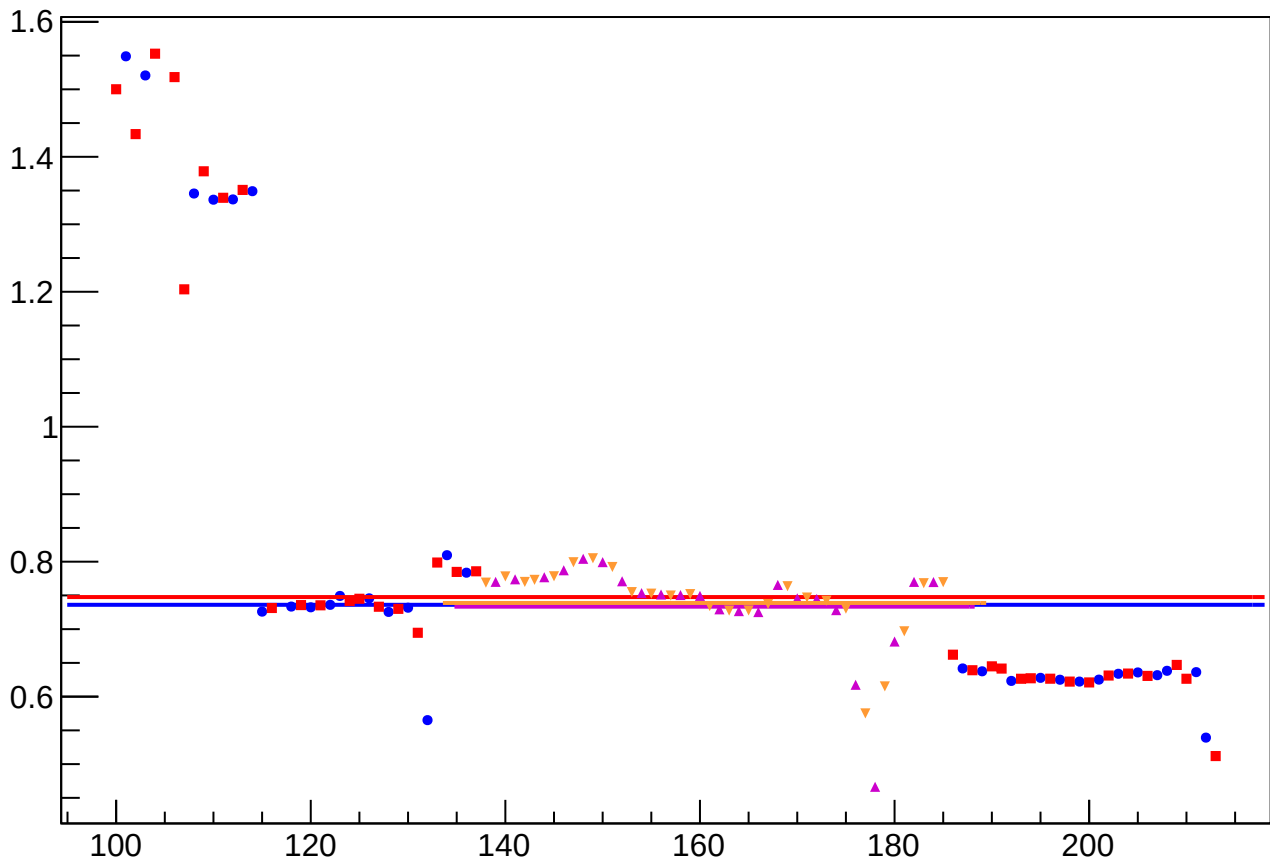
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.021+/-0.000 χ^2/NDF : 9353675.4/54

All: 0.022+/-0.000 χ^2/NDF : 19729672.3/111

- sign 0.022+/-0.000 χ^2/NDF : 10355313.4/56

yield_bpm4acY_mean vs Slug



Right In: 0.736+/-0.000 χ^2/NDF : 3590696188.5/29

Left Out: 0.739+/-0.000 χ^2/NDF :333086309.0/24

+ sign 0.738+/-0.000 χ^2/NDF : 3924102388.6/54

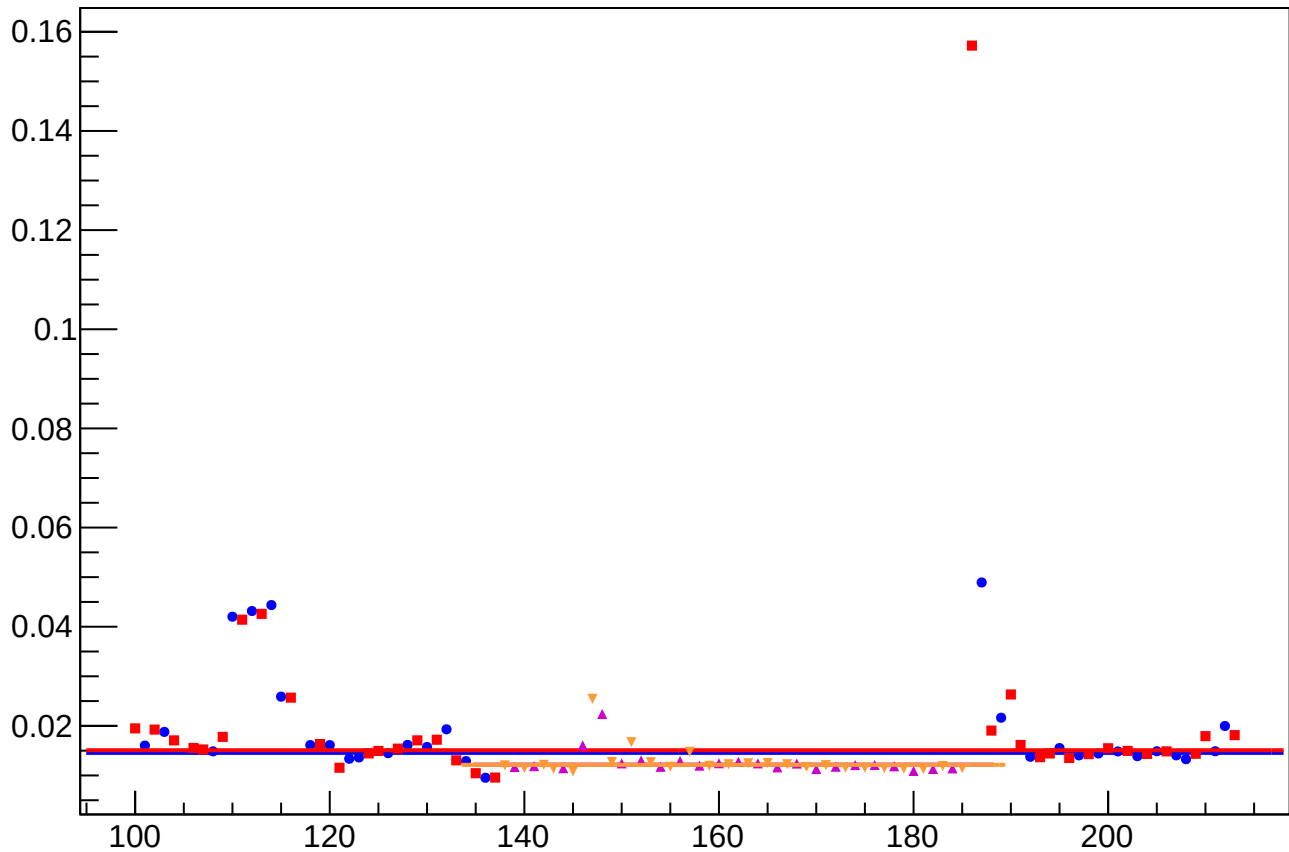
Right Out: 0.748+/-0.000 χ^2/NDF : 3969186180.7/33

All: 0.738+/-0.000 χ^2/NDF : 8472156199.6/11

- sign 0.739+/-0.000 χ^2/NDF : 4547994875.5/56

Left In: 0.733+/-0.000 χ^2/NDF :570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1765865.0/29

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2159488.4/33

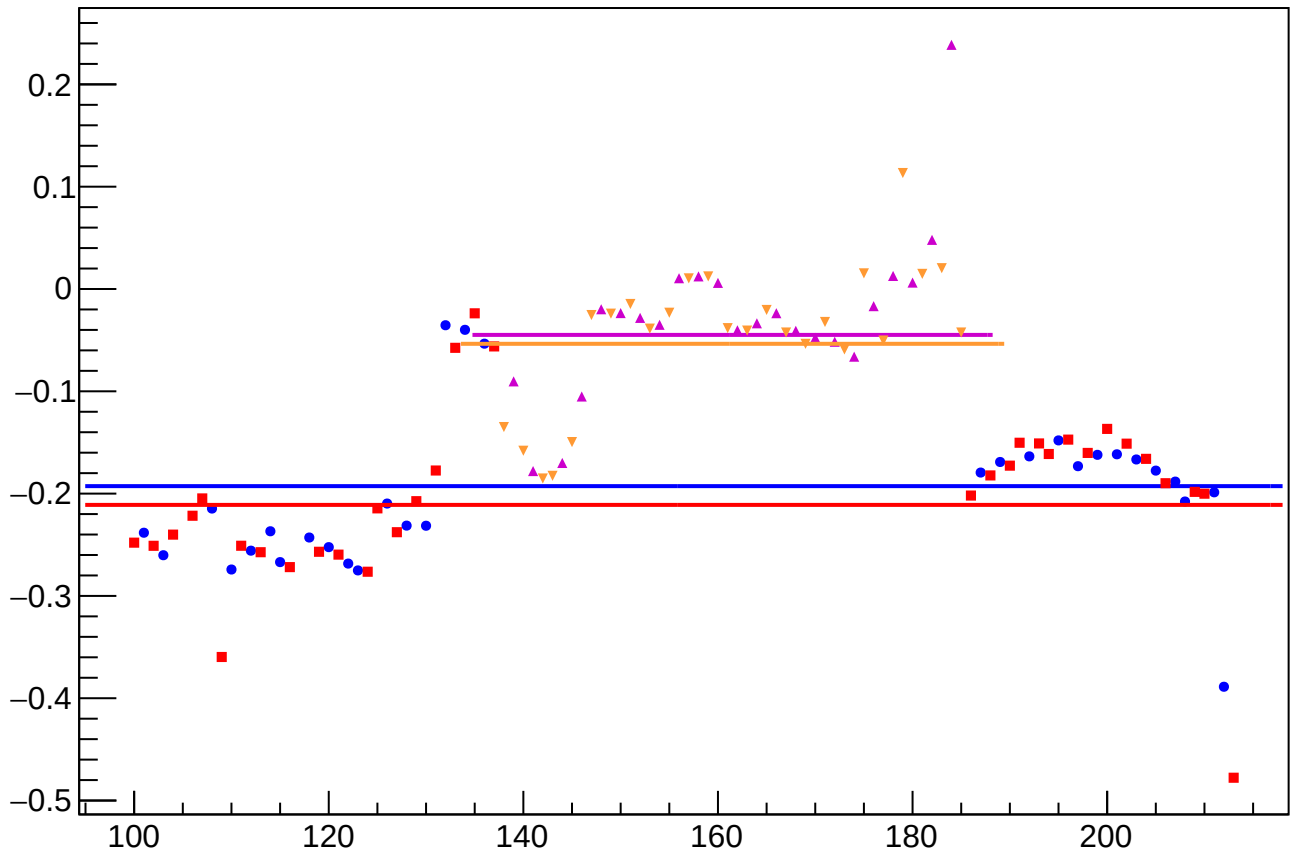
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2905124.9/54

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6265454.5/111

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3347871.7/56

yield_bpm4ecX_mean vs Slug



Right In: -0.193 ± 0.000 χ^2/NDF : 116898858.1/29

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.211 ± 0.000 χ^2/NDF : 131634957.6/33

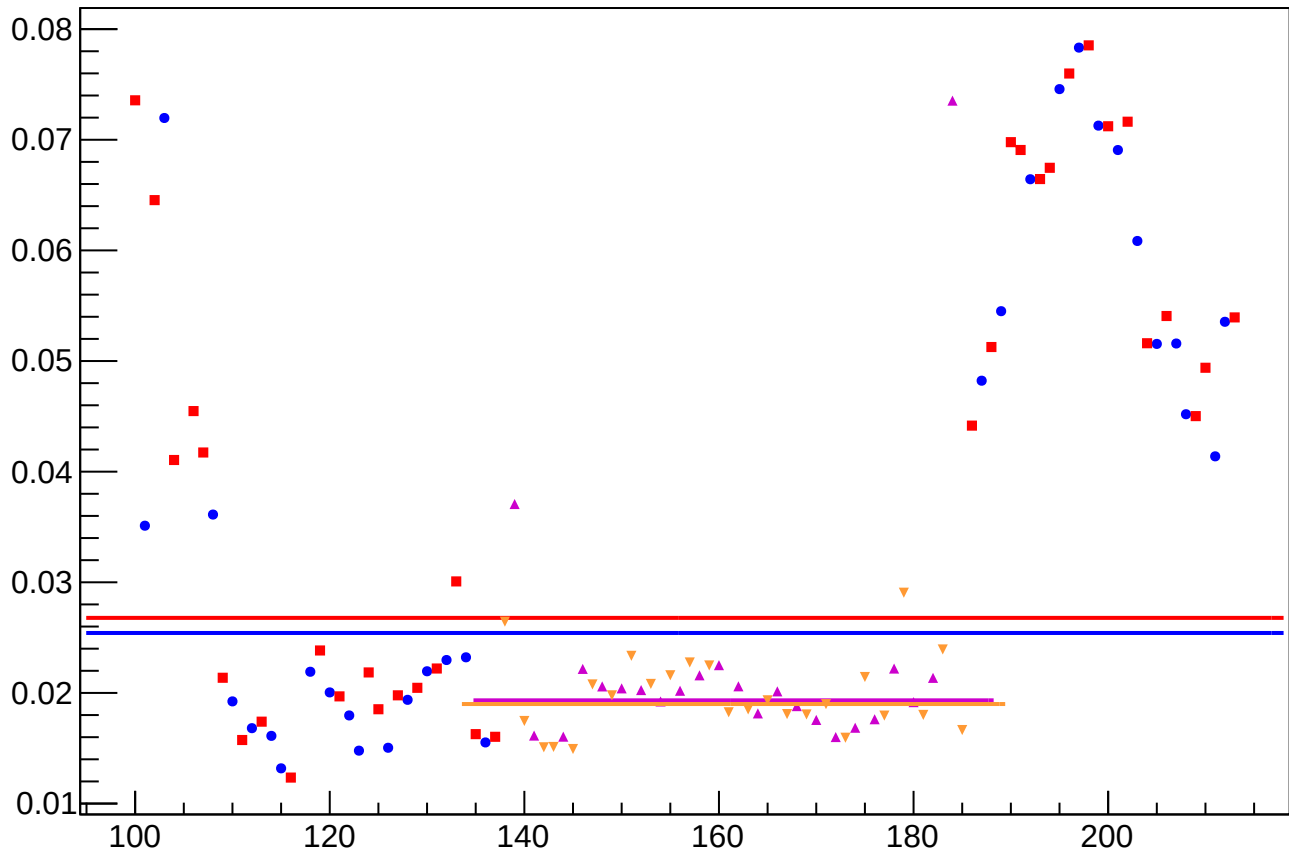
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.093 ± 0.000 χ^2/NDF : 508955721.5/54

All: -0.094 ± 0.000 χ^2/NDF : 1075322842.4/1

- sign -0.094 ± 0.000 χ^2/NDF : 566330377.6/56

yield_bpm4ecX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 8070004.8/29

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:699267.5/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 8707487.4/33

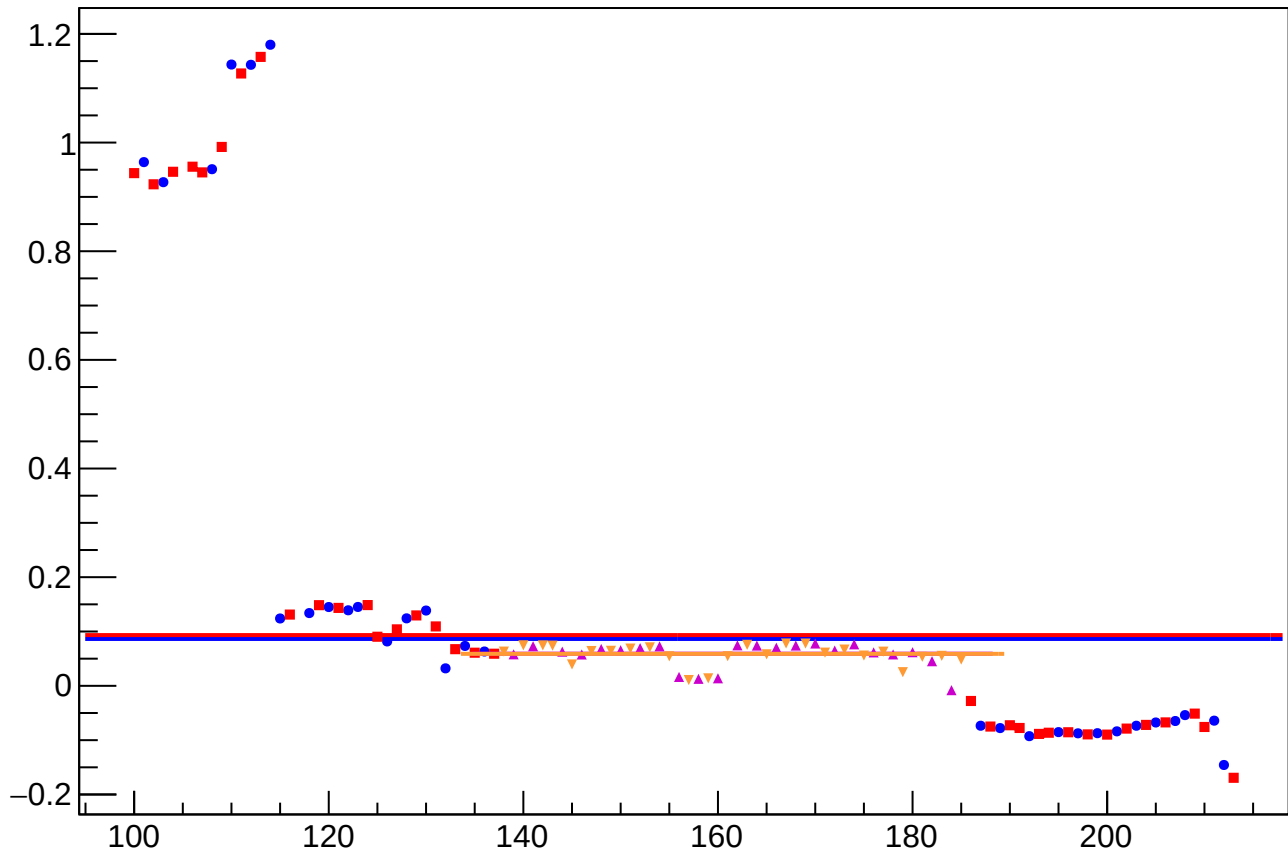
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9724906.6/54

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 20591138.4/111

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10837426.0/56

yield_bpm4ecY_mean vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 8310578231.0/29

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 9346648717.7/33

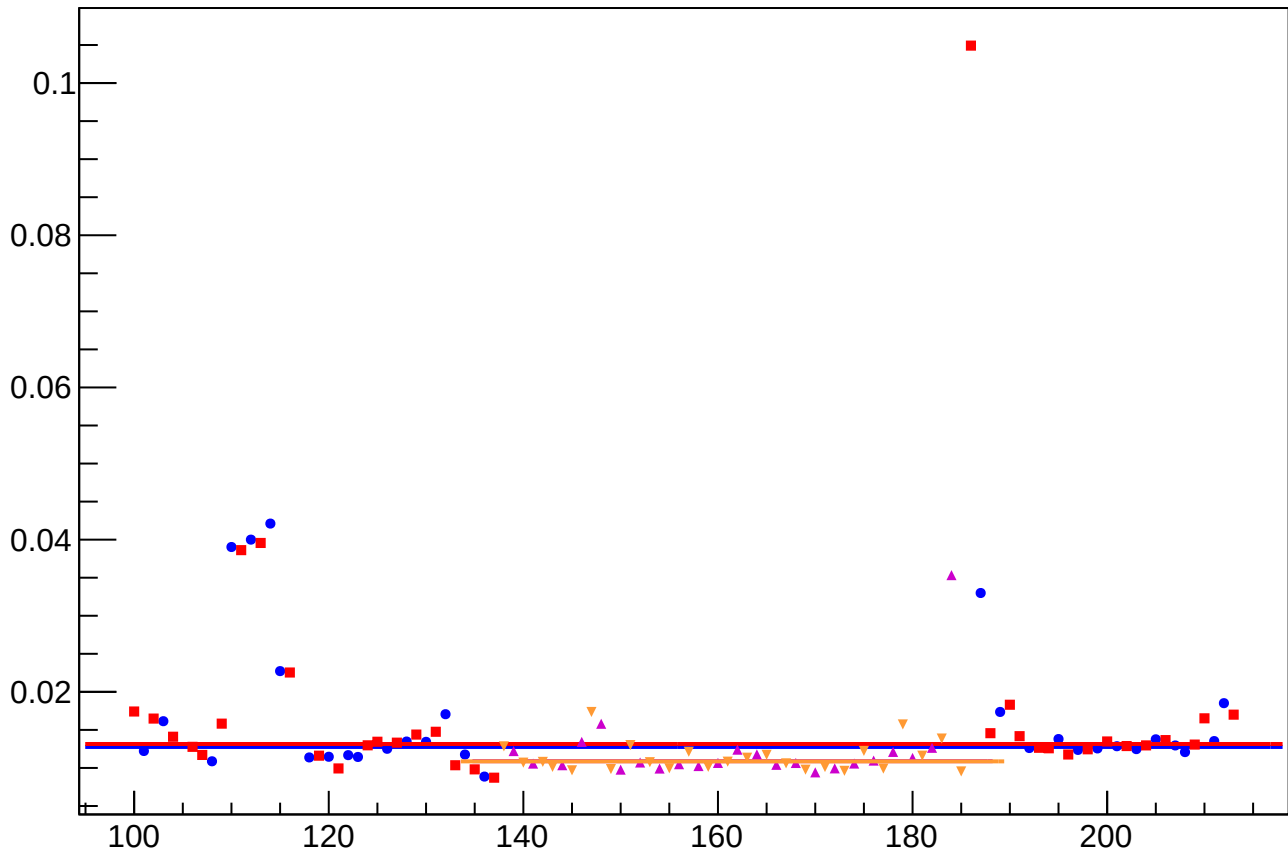
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.069 $\pm$ 0.000 χ^2 /NDF: 8398455118.3/54

All: 0.071 $\pm$ 0.000 χ^2 /NDF: 17867925202.8/1

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 9468192095.4/56

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1641294.6/29

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2034015.4/33

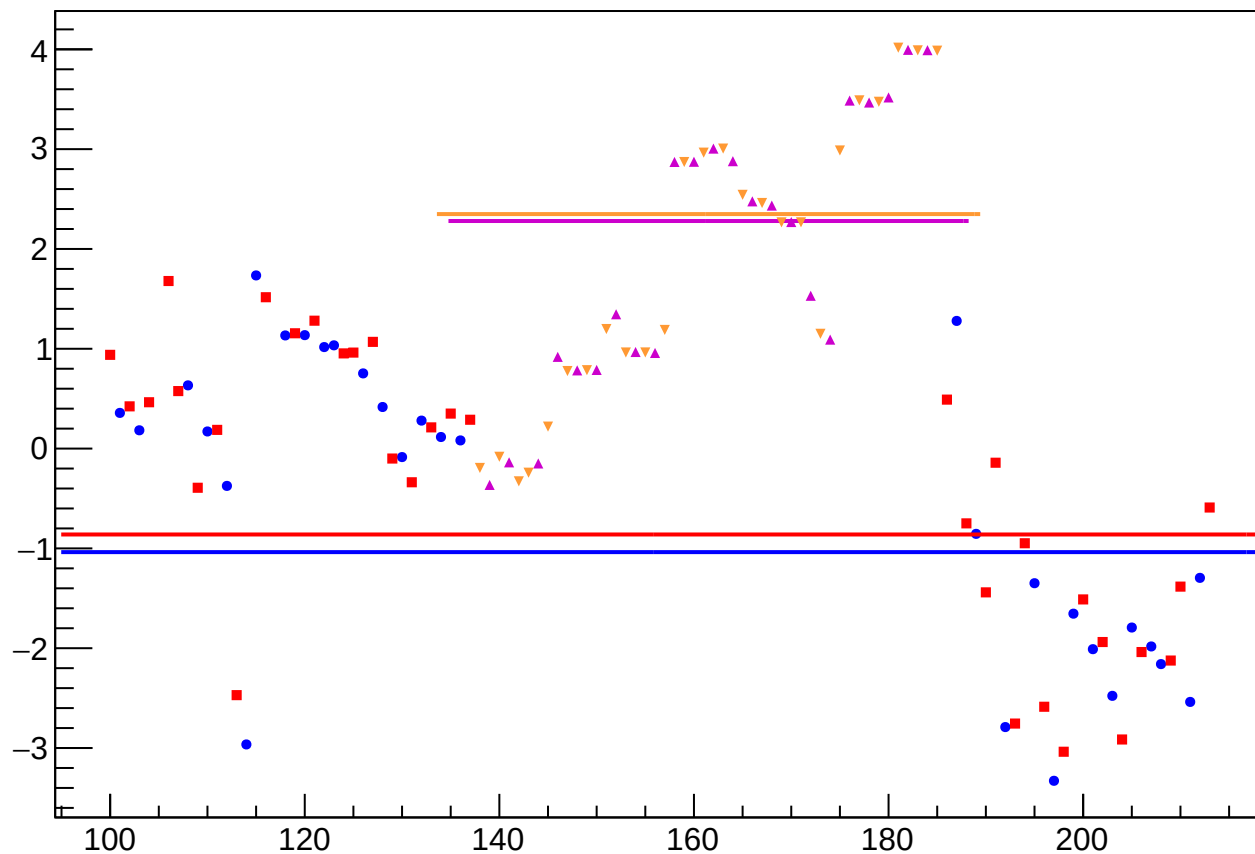
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2638961.2/54

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5757719.6/111

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3110117.2/56

yield_bpm1X_mean vs Slug



Right In: -1.037 ± 0.000 $\chi^2/\text{NDF}: 7726546838.6/29$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.861 ± 0.000 $\chi^2/\text{NDF}: 8174005805.3/33$

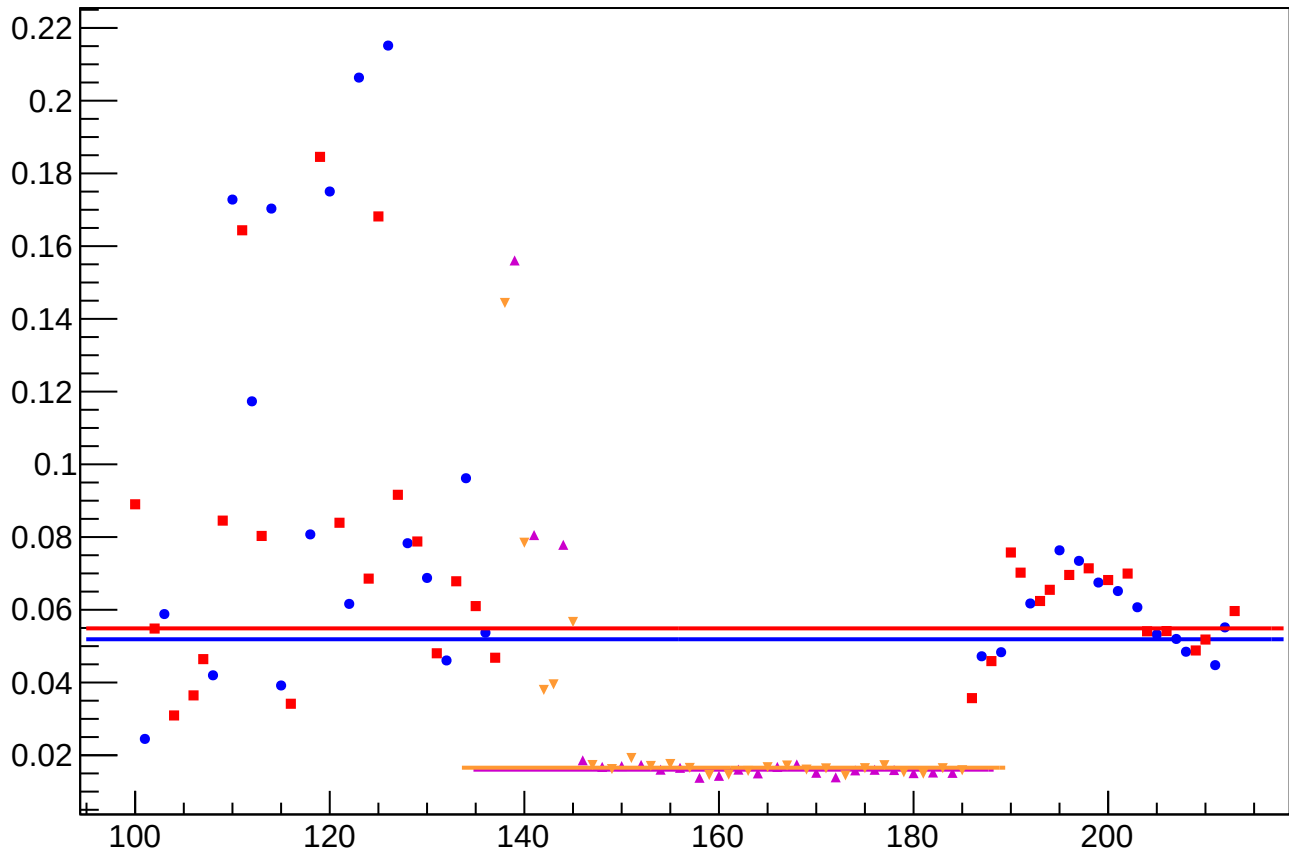
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.080 ± 0.000 $\chi^2/\text{NDF}: 118022416406.4/54$

All: 2.057 ± 0.000 $\chi^2/\text{NDF}: 228075035813.5$

- sign 2.034 ± 0.000 $\chi^2/\text{NDF}: 109993523412.5/56$

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3509871.3/29

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2874153.3/33

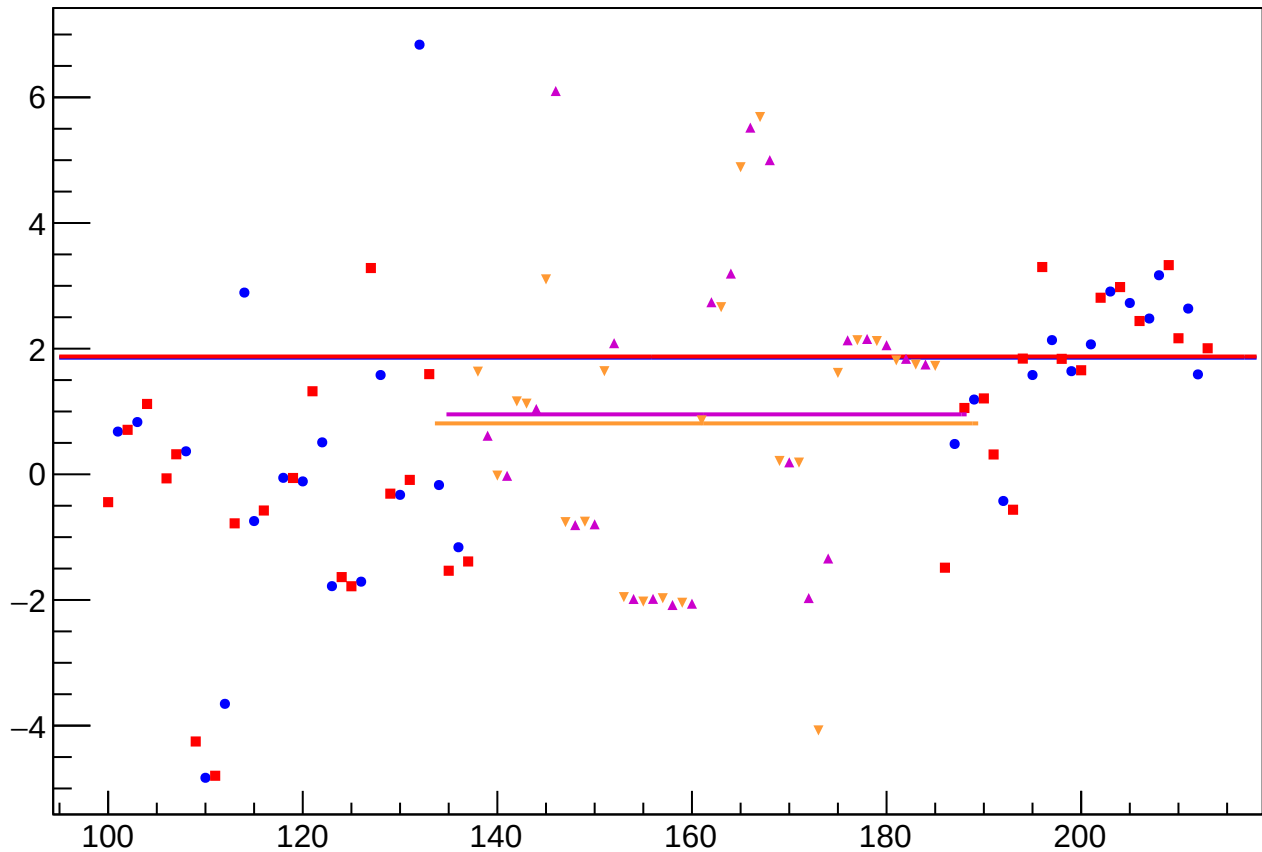
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 16290328.2/54

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 33993704.9/111

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 17697922.4/56

yield_bpm1Y_mean vs Slug



Right In: 1.857+/-0.000 χ^2/NDF : 38533879083.4/29

Left Out: 0.810+/-0.000 χ^2/NDF : 507583198570.2/24

Right Out: 1.875+/-0.000 χ^2/NDF : 39531034115.6/33

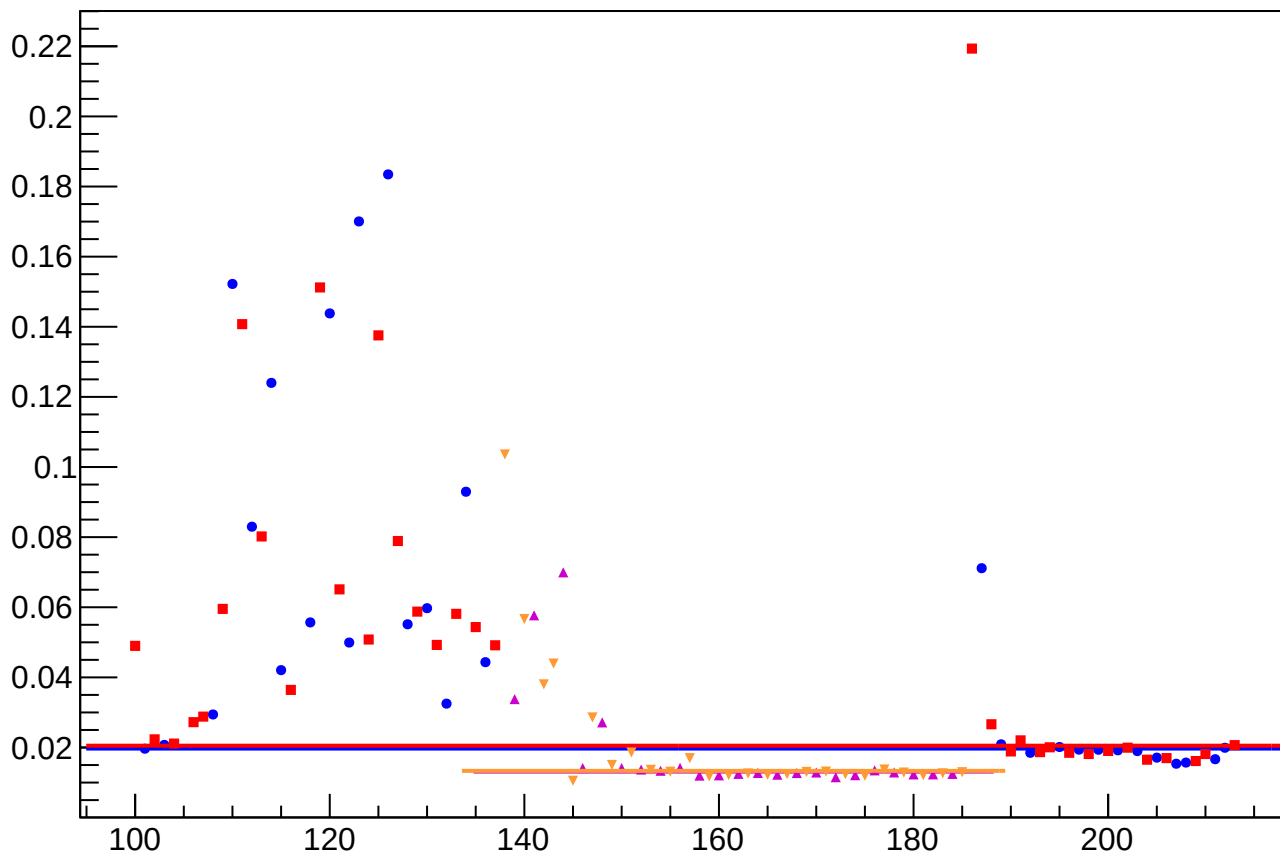
Left In: 0.954+/-0.000 χ^2/NDF : 574792794608.3/22

+ sign 1.069+/-0.000 χ^2/NDF : 569117950705.6/54

All: 1.124+/-0.000 χ^2/NDF : 1201887312043.

- sign 1.179+/-0.000 χ^2/NDF : 632075406583.6/56

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4113121.0/29

Left Out: 0.013+/-0.000 χ^2/NDF :2829070.5/24

Right Out: 0.021+/-0.000 χ^2/NDF : 5167525.6/33

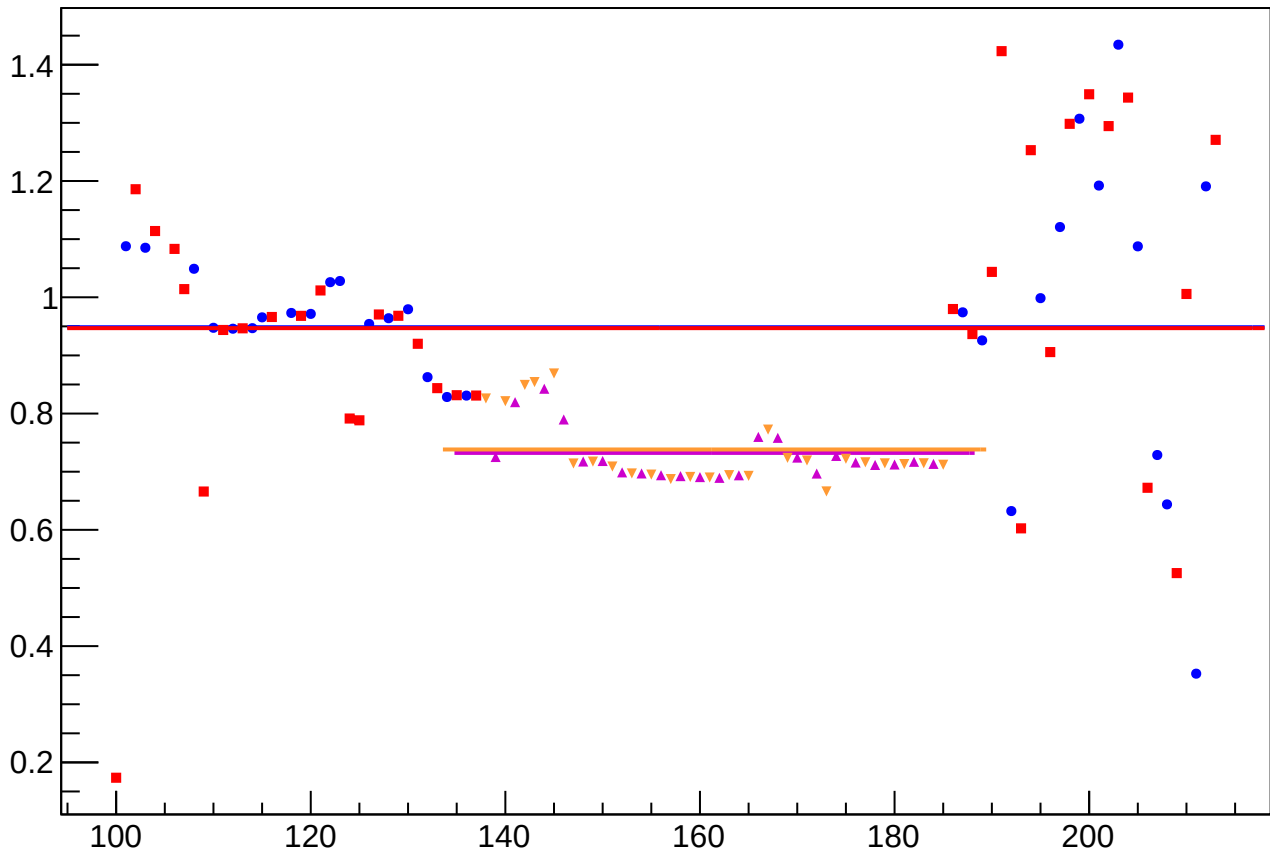
Left In: 0.013+/-0.000 χ^2/NDF :1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8641081.3/54

All: 0.015+/-0.000 χ^2/NDF : 18058964.5/111

- sign 0.015+/-0.000 χ^2/NDF : 9417785.8/56

yield_bpm11X_mean vs Slug



Right In: 0.948 $\pm$ 0.000 χ^2 /NDF: 910983712.8/29

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

+ sign 0.803 $\pm$ 0.000 χ^2 /NDF: 2396597378.9/54

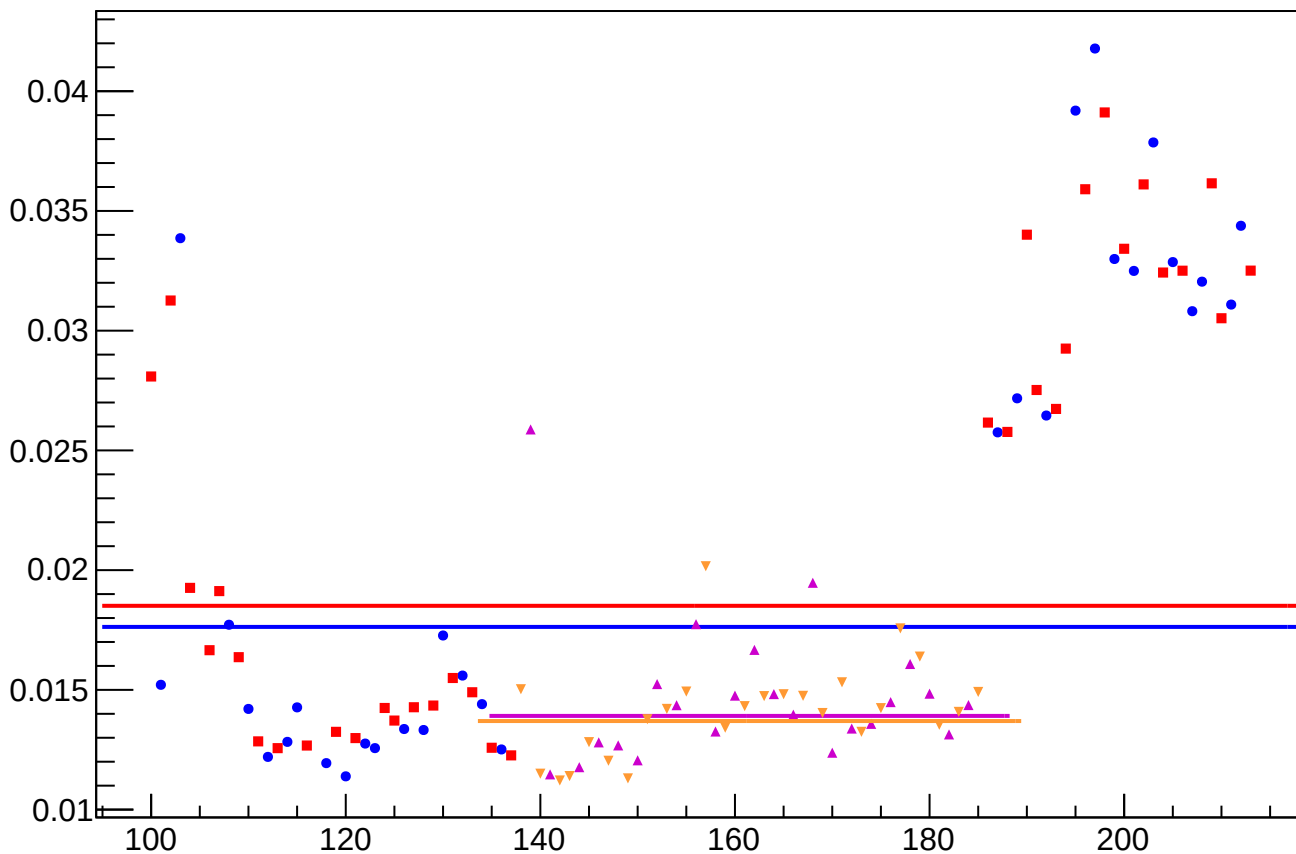
Right Out: 0.947 $\pm$ 0.000 χ^2 /NDF: 1201149116.4/33

All: 0.803 $\pm$ 0.000 χ^2 /NDF: 4975001847.6/11

Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

- sign 0.802 $\pm$ 0.000 χ^2 /NDF: 2578384116.4/56

yield_bpm11X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 5131593.0/29

Left Out: 0.014+/-0.000 χ^2/NDF : 530851.9/24

Right Out: 0.019+/-0.000 χ^2/NDF : 4797104.4/33

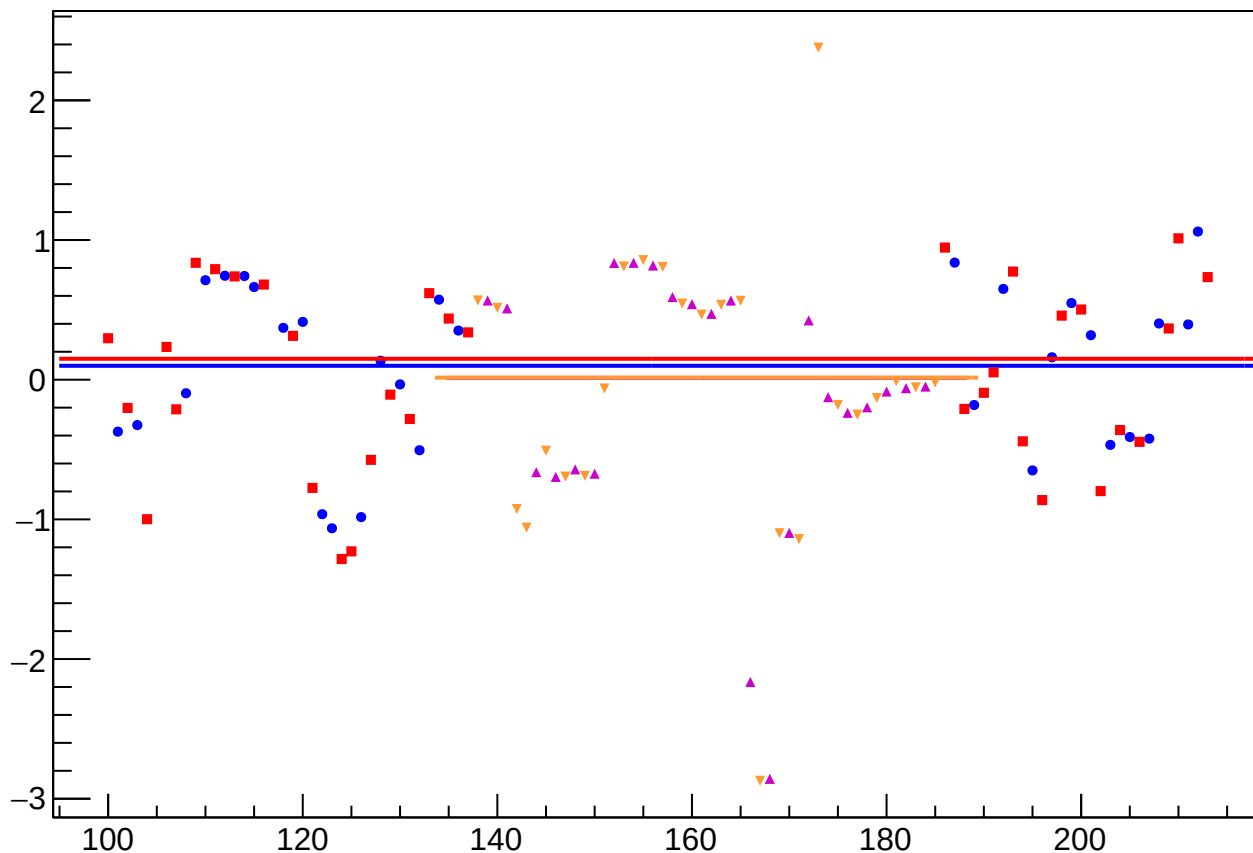
Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

+ sign 0.015+/-0.000 χ^2/NDF : 6484075.8/54

All: 0.015+/-0.000 χ^2/NDF : 13214515.7/111

- sign 0.015+/-0.000 χ^2/NDF : 6699318.8/56

yield_bpm11Y_mean vs Slug



Right In: 0.100 $\pm$ 0.000 χ^2 /NDF: 28085881555.1/29

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.150 $\pm$ 0.000 χ^2 /NDF: 40756258999.6/33

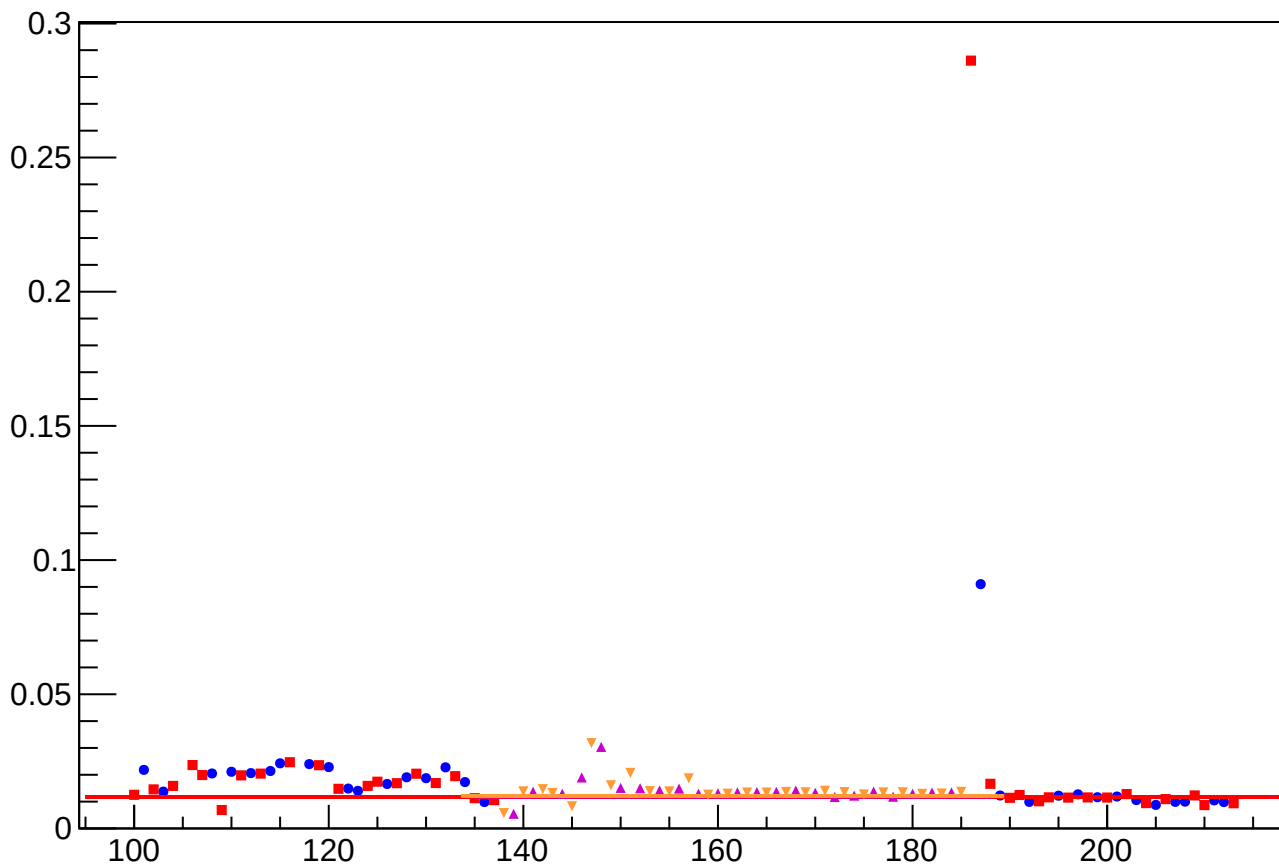
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 124541600491.4/54

All: 0.067 $\pm$ 0.000 χ^2 /NDF: 245785047752.3

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 121175976412.9/56

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2400823.7/29

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2971200.7/33

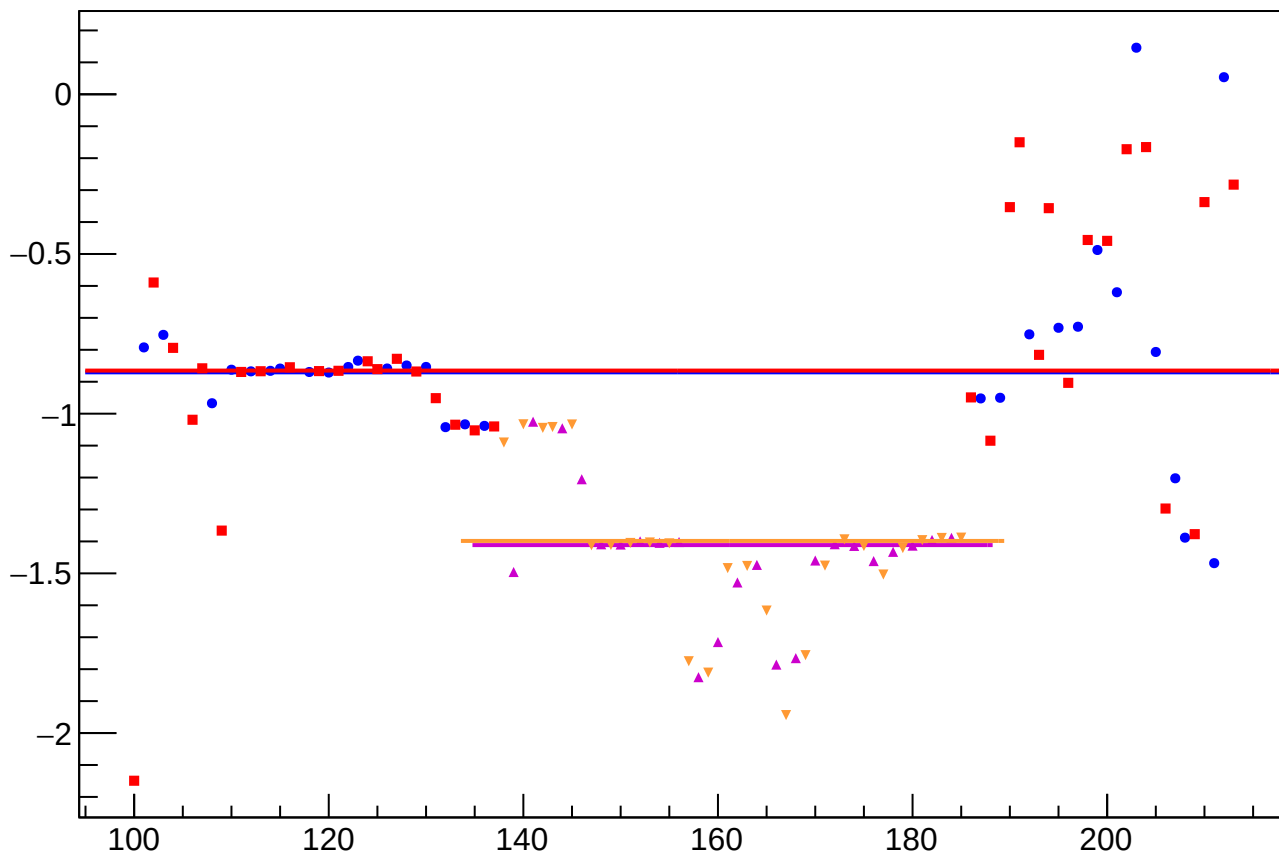
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5524758.3/54

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11608243.3/111

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6081402.2/56

yield_bpm12X_mean vs Slug



Right In: -0.871+/-0.000 χ^2/NDF : 338405694.9/29

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.865+/-0.000 χ^2/NDF : 482589953.7/33

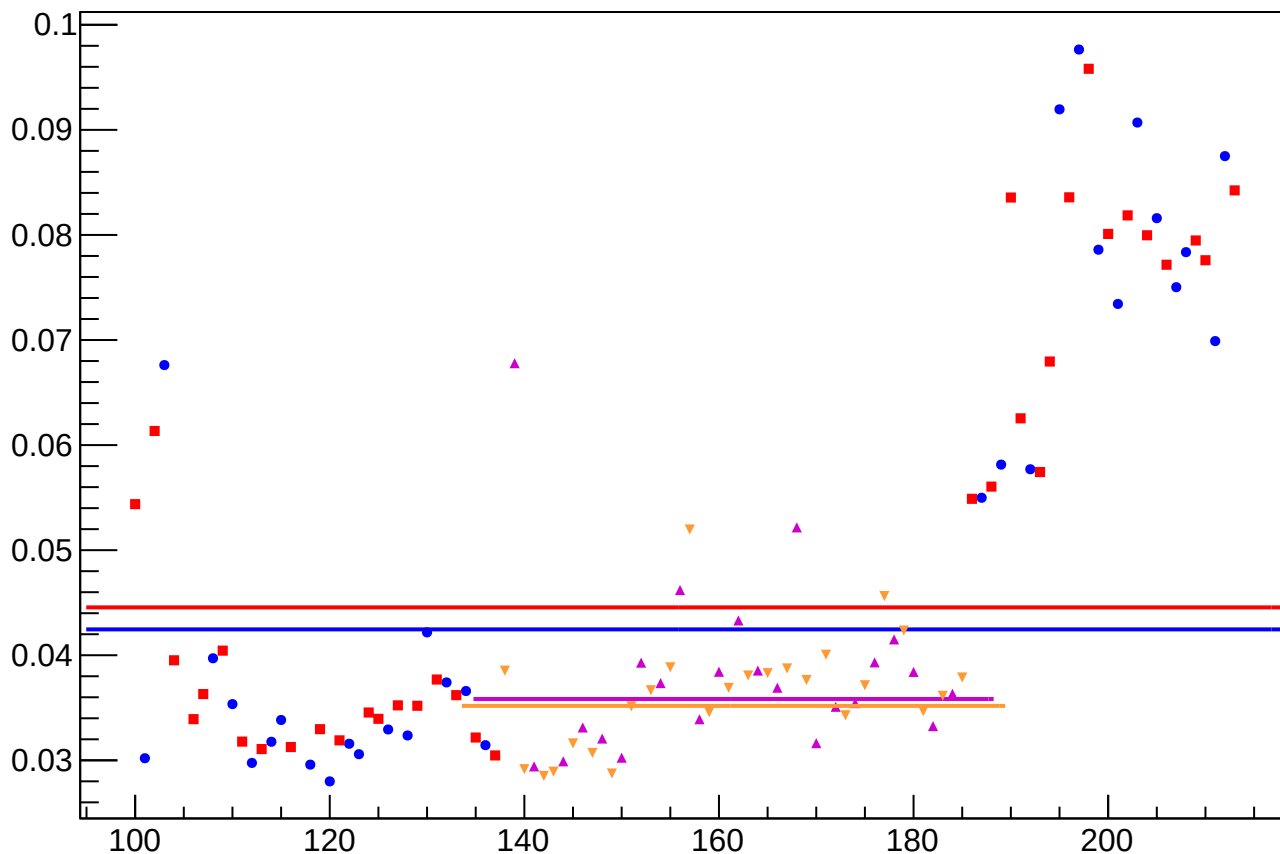
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.217+/-0.000 χ^2/NDF : 2315542399.2/54

All: -1.215+/-0.000 χ^2/NDF : 4612040996.9/1

- sign -1.213+/-0.000 χ^2/NDF : 2296304238.5/56

yield_bpm12X_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 4871396.3/29

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 4357113.0/33

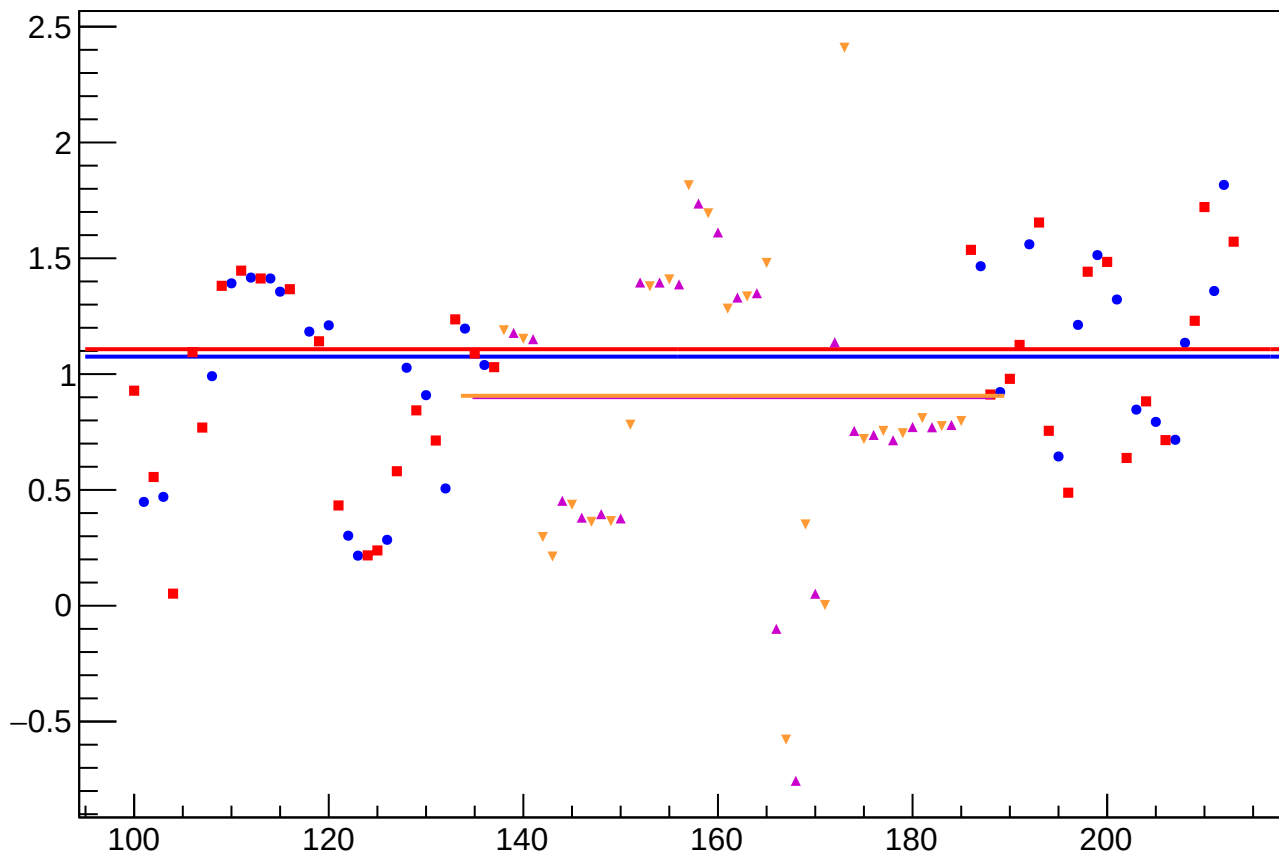
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.038 $\pm$ 0.000 χ^2 /NDF: 5941946.3/54

All: 0.038 $\pm$ 0.000 χ^2 /NDF: 11886440.1/111

- sign 0.039 $\pm$ 0.000 χ^2 /NDF: 5910449.7/56

yield_bpm12Y_mean vs Slug



Right In: 1.075 $\pm$ 0.000 χ^2 /NDF: 36825455740.0/29

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.108 $\pm$ 0.000 χ^2 /NDF: 43647466060.9/33

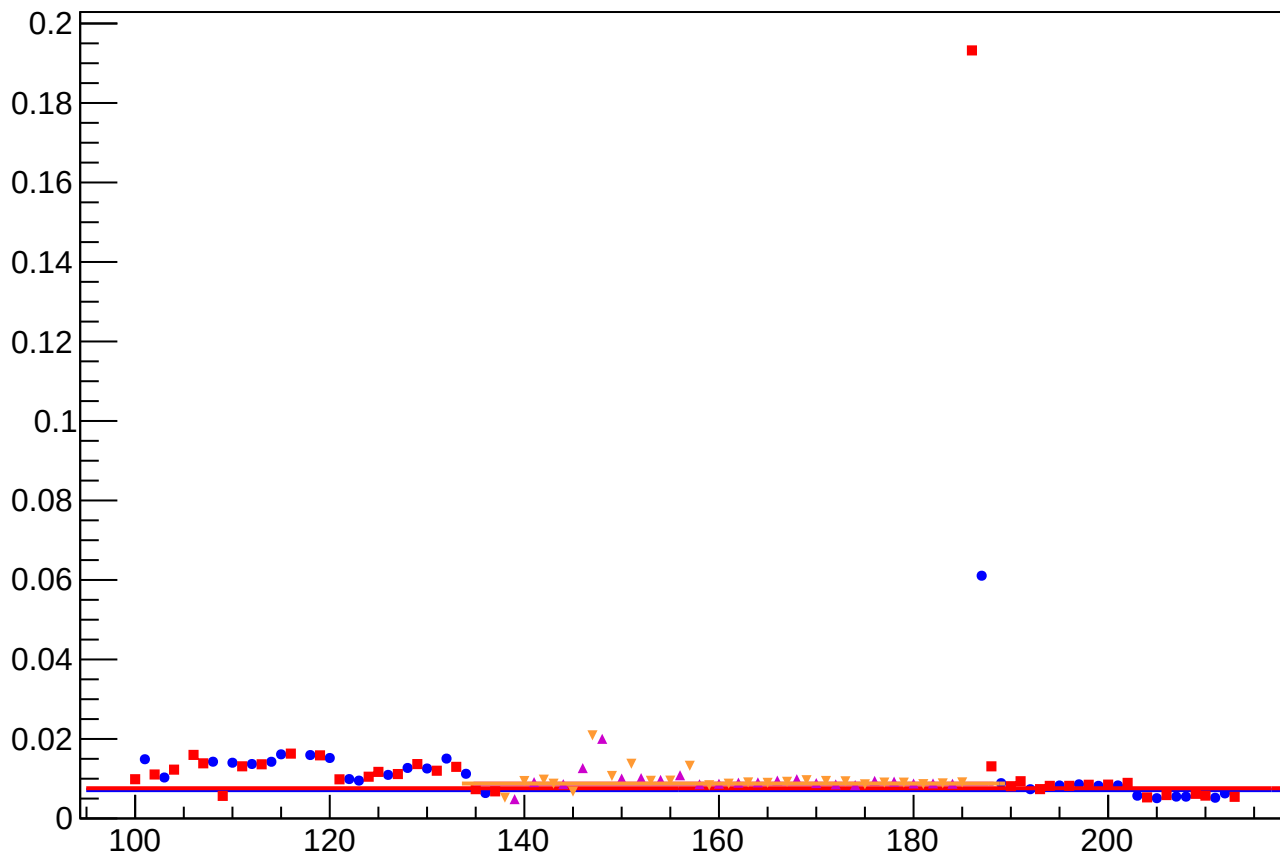
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.998 $\pm$ 0.000 χ^2 /NDF: 124319917887.4/54

All: 1.005 $\pm$ 0.000 χ^2 /NDF: 239752478906.7

- sign 1.012 $\pm$ 0.000 χ^2 /NDF: 115384421154.9/56

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3417179.7/29

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3683927.5/33

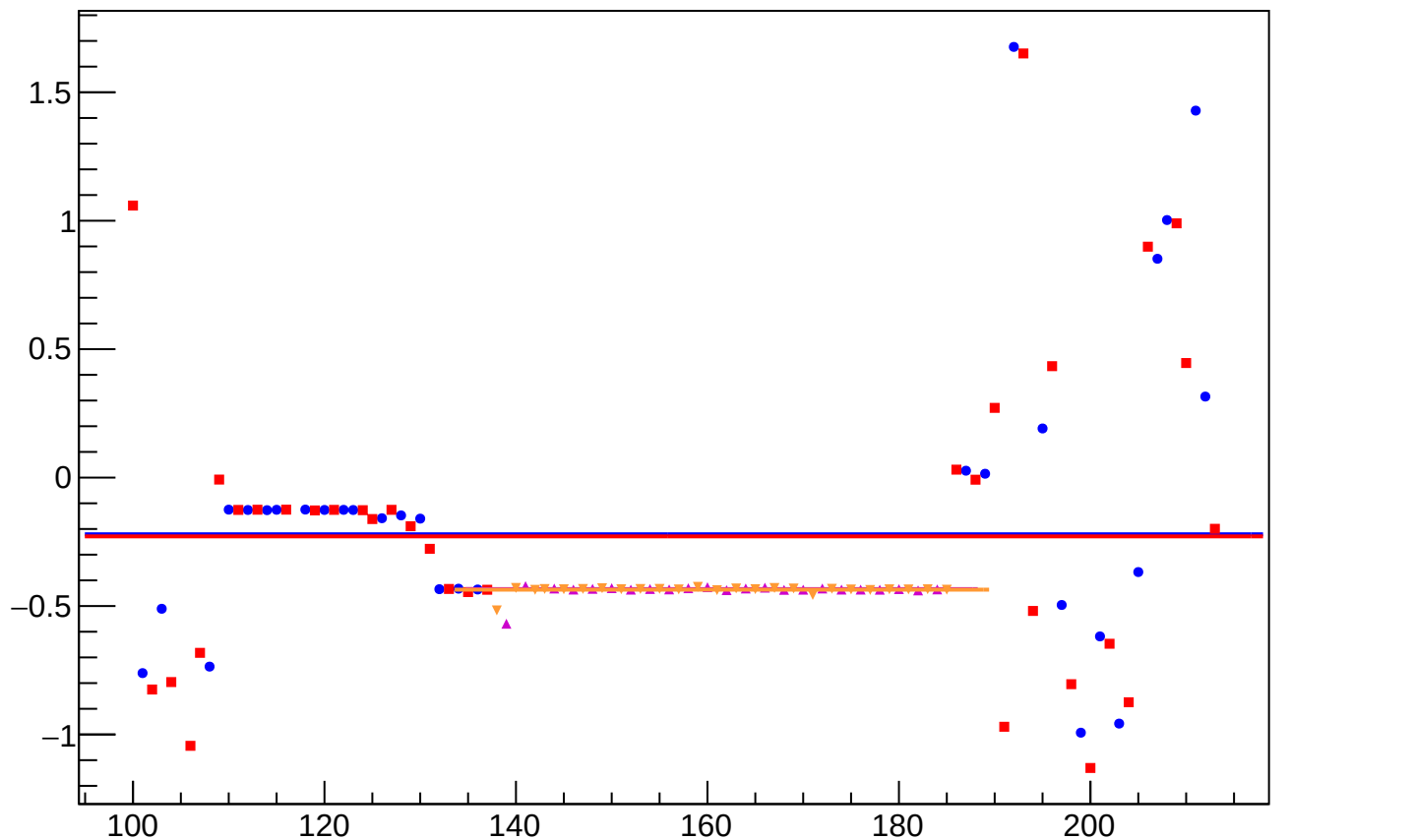
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5768888.9/54

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 11437826.7/111

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5642685.7/56

yield_bpm16X_mean vs Slug



Right In: -0.221 ± 0.000 χ^2/NDF : 4752471975.3/29

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.229 ± 0.000 χ^2/NDF : 3413959324.9/33

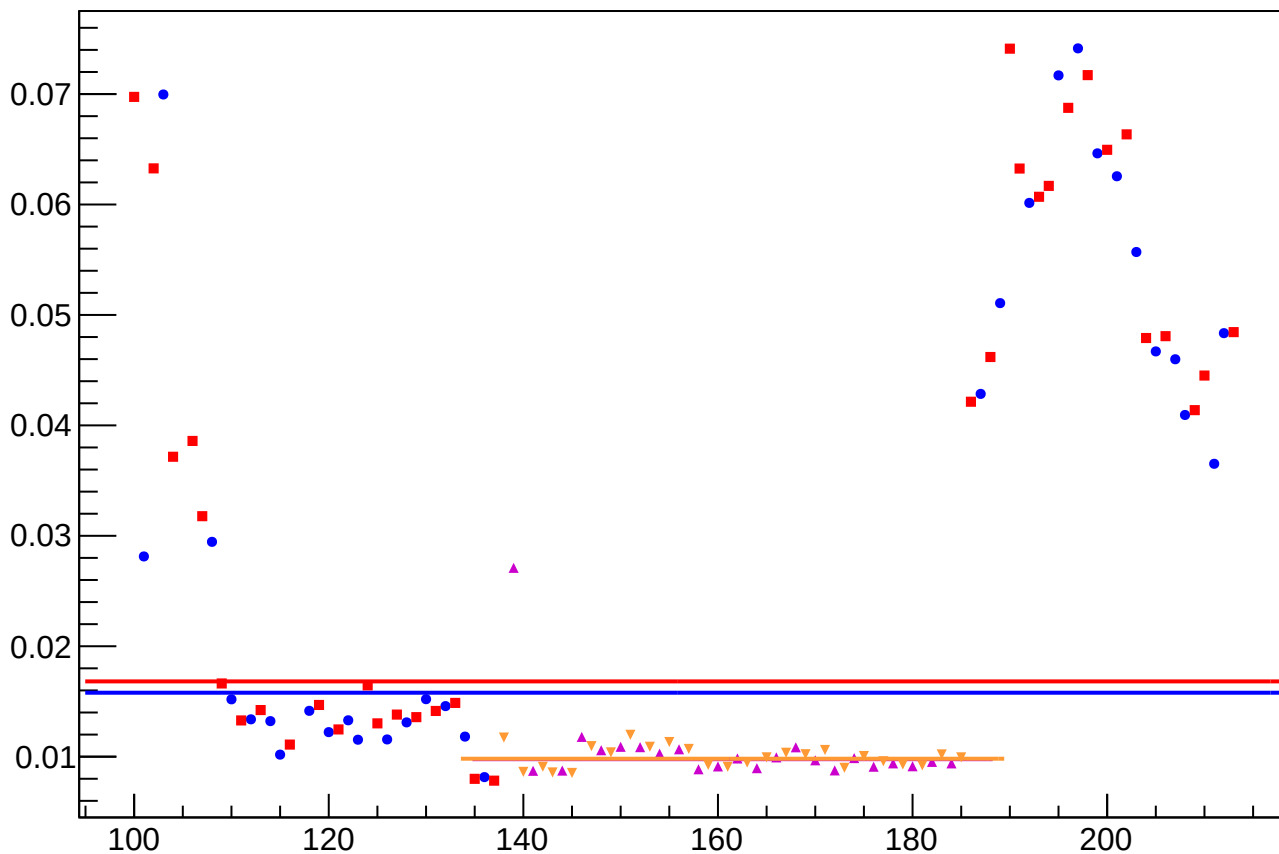
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.398 ± 0.000 χ^2/NDF : 6114061174.2/54

All: -0.398 ± 0.000 χ^2/NDF : 10697392390.3/107

- sign -0.397 ± 0.000 χ^2/NDF : 4583286920.0/56

yield_bpm16X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 11336912.7/29

Left Out: 0.010+/-0.000 χ^2/NDF : 271172.3/24

Right Out: 0.017+/-0.000 χ^2/NDF : 12265026.3/33

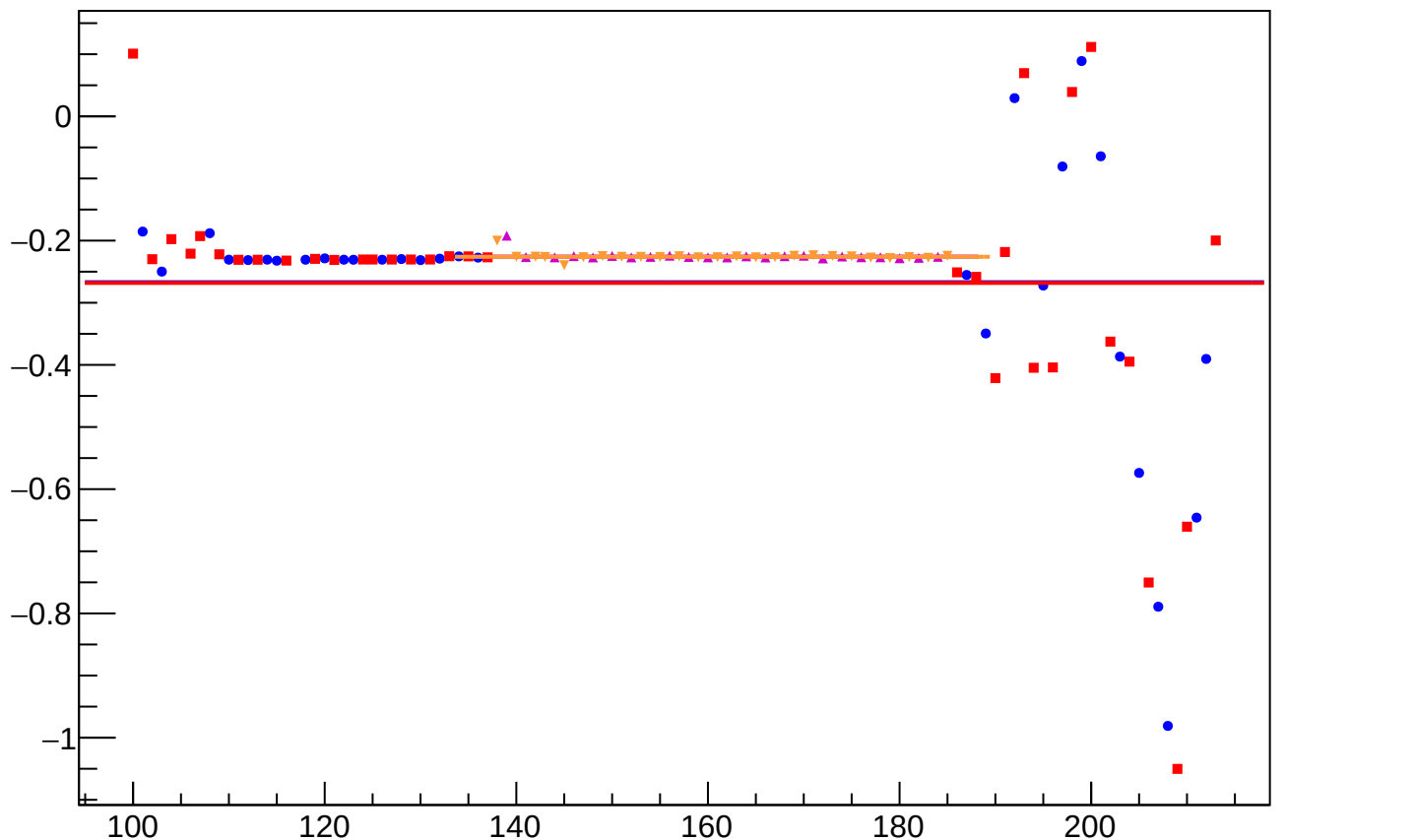
Left In: 0.010+/-0.000 χ^2/NDF : 786577.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 13656903.5/54

All: 0.011+/-0.000 χ^2/NDF : 29420605.3/111

- sign 0.011+/-0.000 χ^2/NDF : 15759015.9/56

yield_bpm16Y_mean vs Slug



Right In: -0.267 ± 0.000 $\chi^2/\text{NDF}: 24924085723.9/29$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

Right Out: -0.268 ± 0.000 $\chi^2/\text{NDF}: 25233439034.9/33$

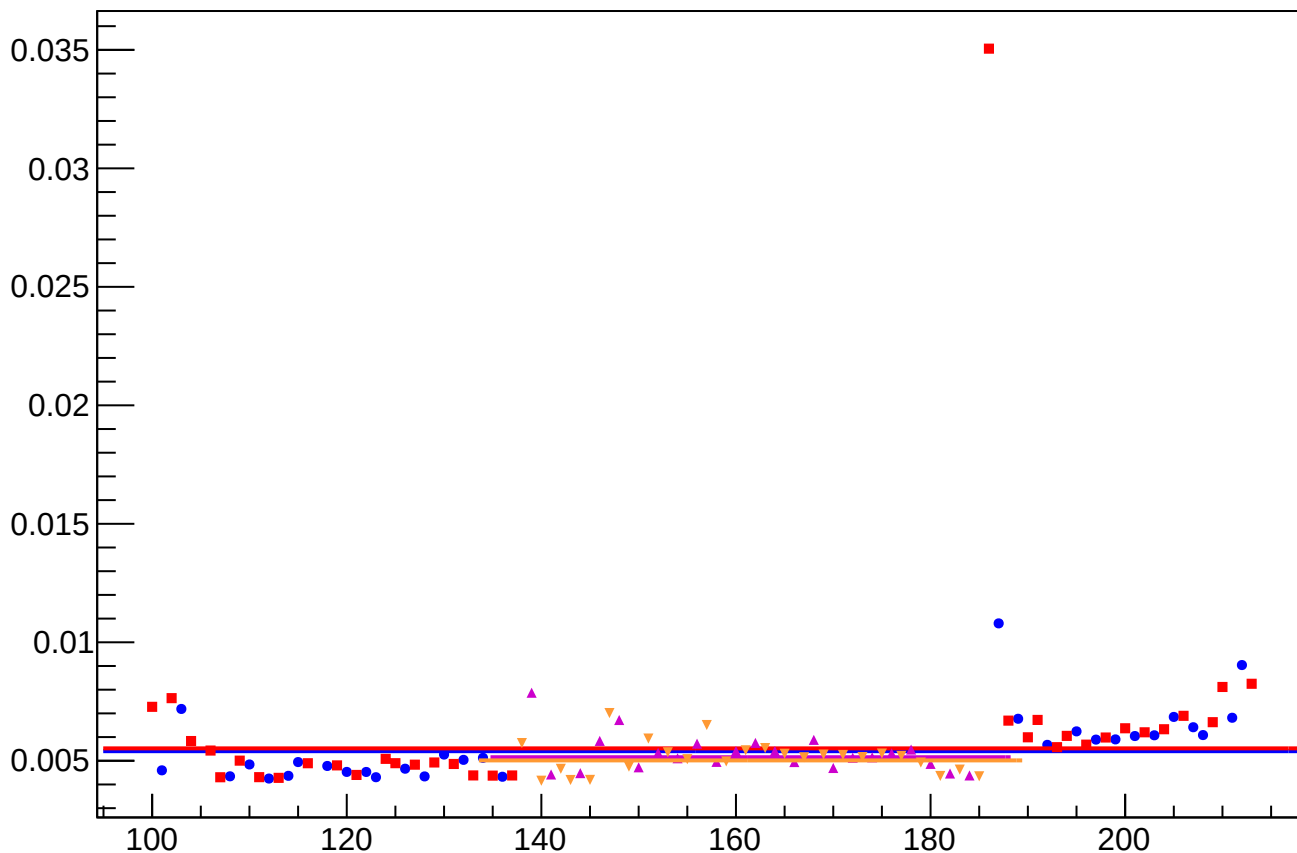
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

+ sign -0.243 ± 0.000 $\chi^2/\text{NDF}: 25423048169.3/54$

All: -0.244 ± 0.000 $\chi^2/\text{NDF}: 51170423282.6/100$

- sign -0.245 ± 0.000 $\chi^2/\text{NDF}: 25745685022.4/56$

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1068063.9/29

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1609124.8/33

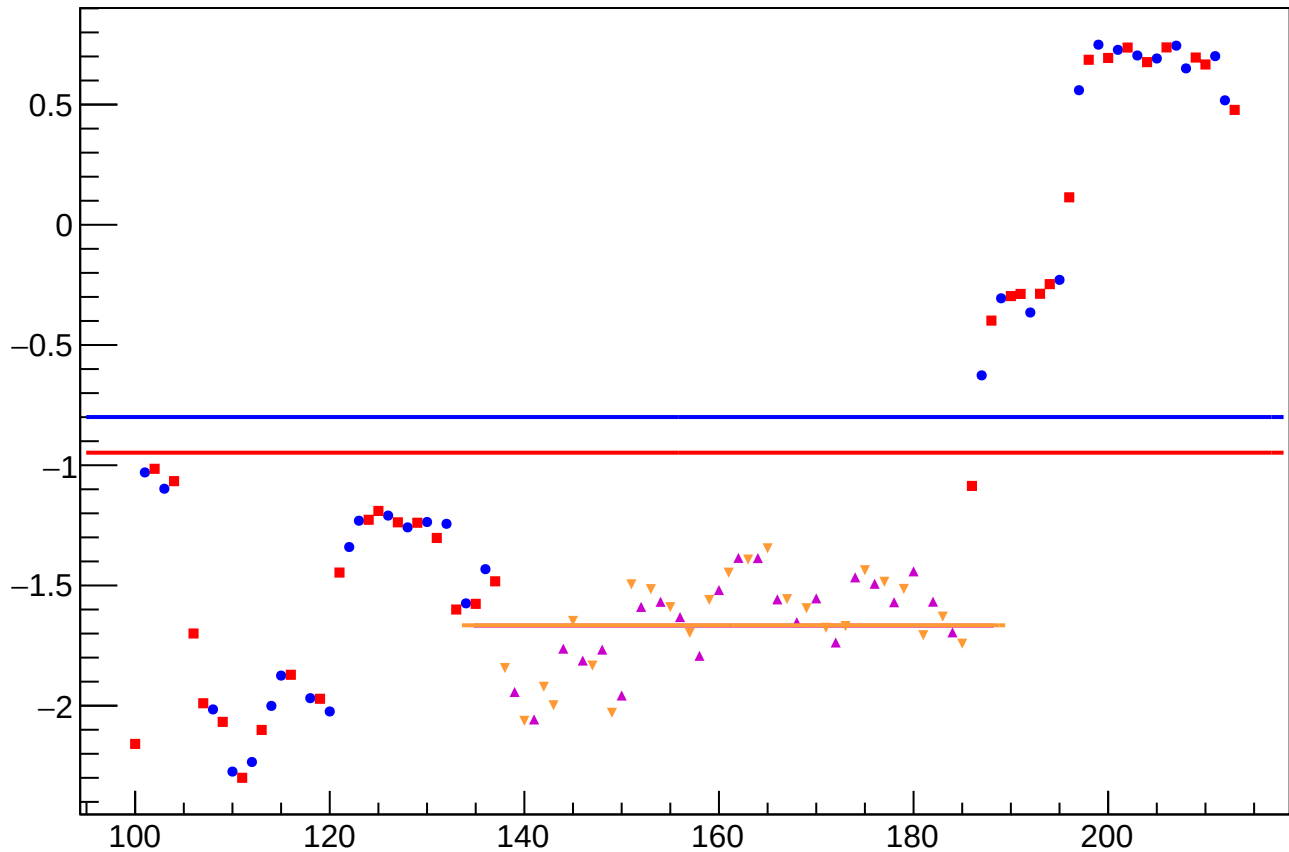
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1687134.7/54

All: 0.005+/-0.000 χ^2/NDF : 3900361.7/111

- sign 0.005+/-0.000 χ^2/NDF : 2190862.3/56

yield_bpm0l01X_mean vs Slug



Right In: -0.800 ± 0.000 χ^2/NDF : 221268644489.3/29

Left Out: -1.666 ± 0.000 χ^2/NDF : 18368038680.8/24

Right Out: -0.948 ± 0.000 χ^2/NDF : 250618035468.2/33

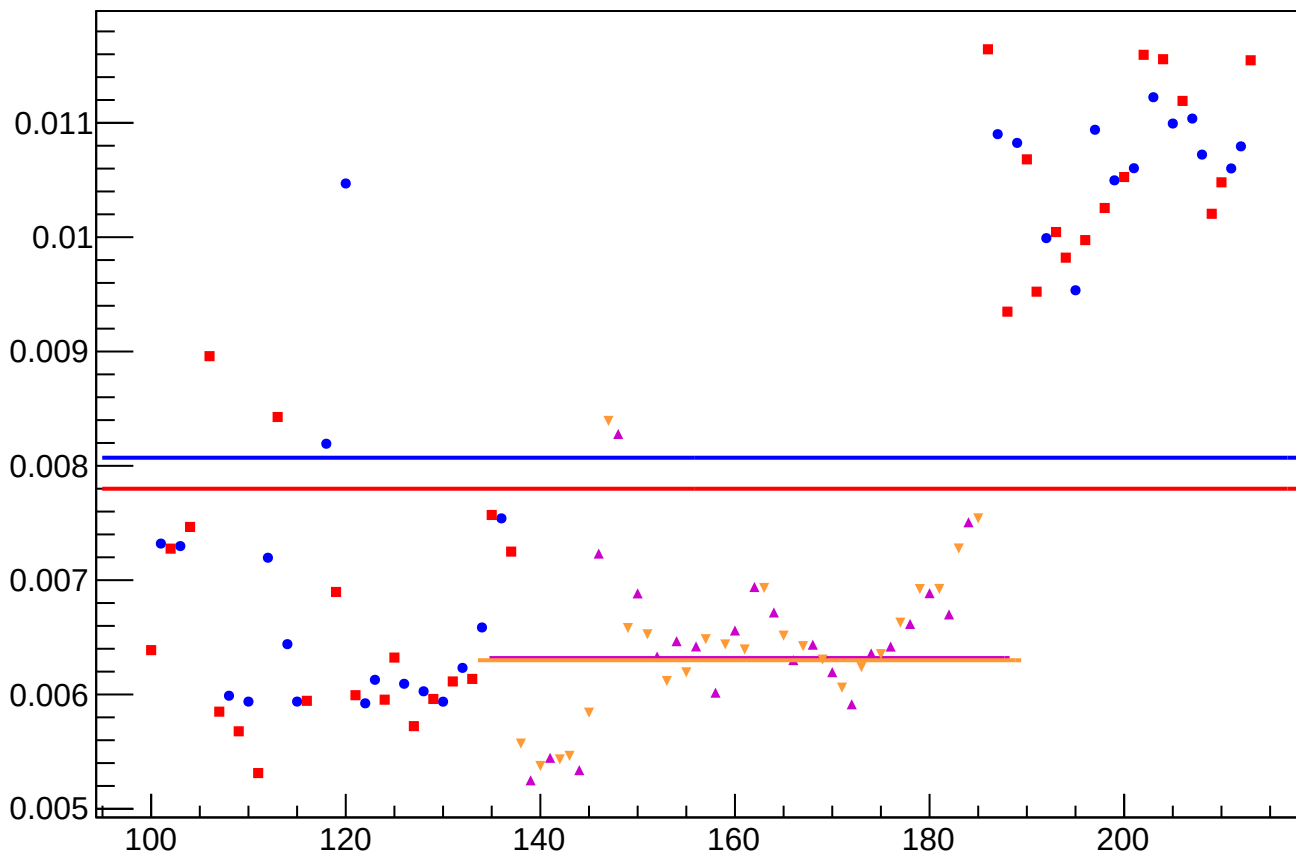
Left In: -1.667 ± 0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.379 ± 0.000 χ^2/NDF : 349273983125.9/54

All: -1.386 ± 0.000 χ^2/NDF : 695984953965.8

- sign -1.393 ± 0.000 χ^2/NDF : 346643535605.0/56

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1840625.8/29

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2254500.3/33

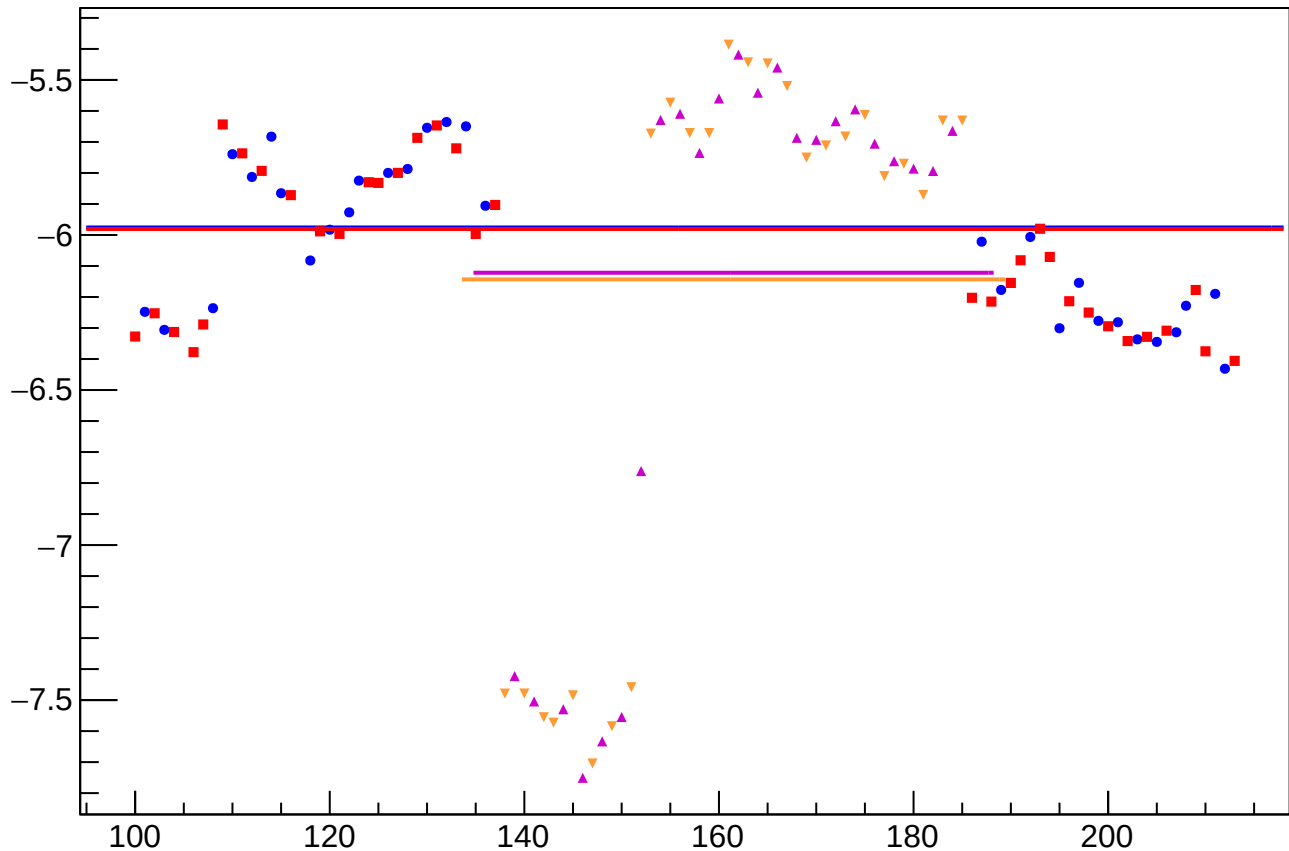
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 3070764.9/54

All: 0.007+/-0.000 χ^2/NDF : 6350082.3/111

- sign 0.007+/-0.000 χ^2/NDF : 3279309.4/56

yield_bpm0l01Y_mean vs Slug



Right In: -5.976+/-0.000 χ^2/NDF : 16186930243.6/29

Left Out: -6.143+/-0.000 χ^2/NDF :185721259239.3/24

Right Out: -5.981+/-0.000 χ^2/NDF : 17717380176.7/33

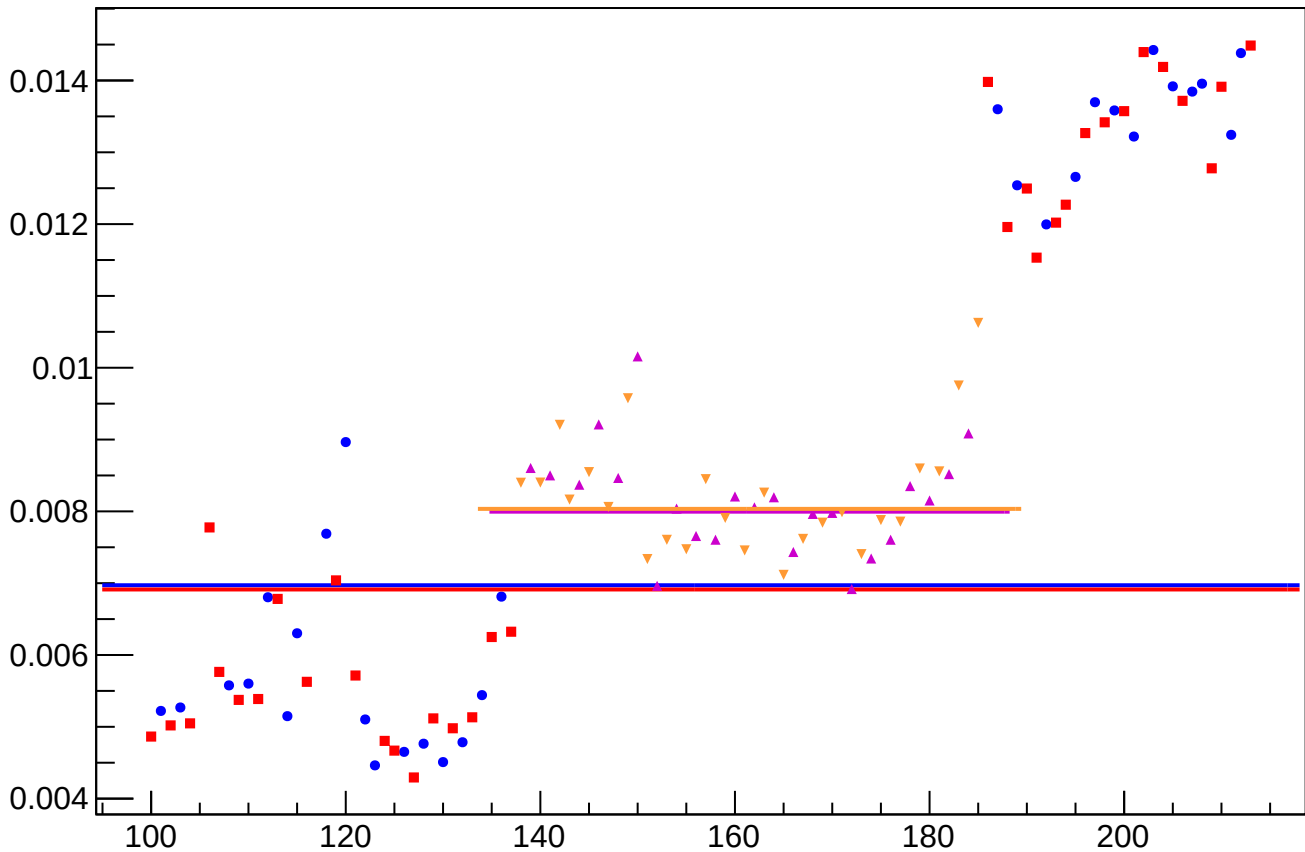
Left In: -6.122+/-0.000 χ^2/NDF :159909473006.6/22

+ sign -6.061+/-0.000 χ^2/NDF : 205475243513.2/54

All: -6.054+/-0.000 χ^2/NDF : 385771614470.2

- sign -6.047+/-0.000 χ^2/NDF : 180249041710.7/56

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 5501983.8/29

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 5796814.9/33

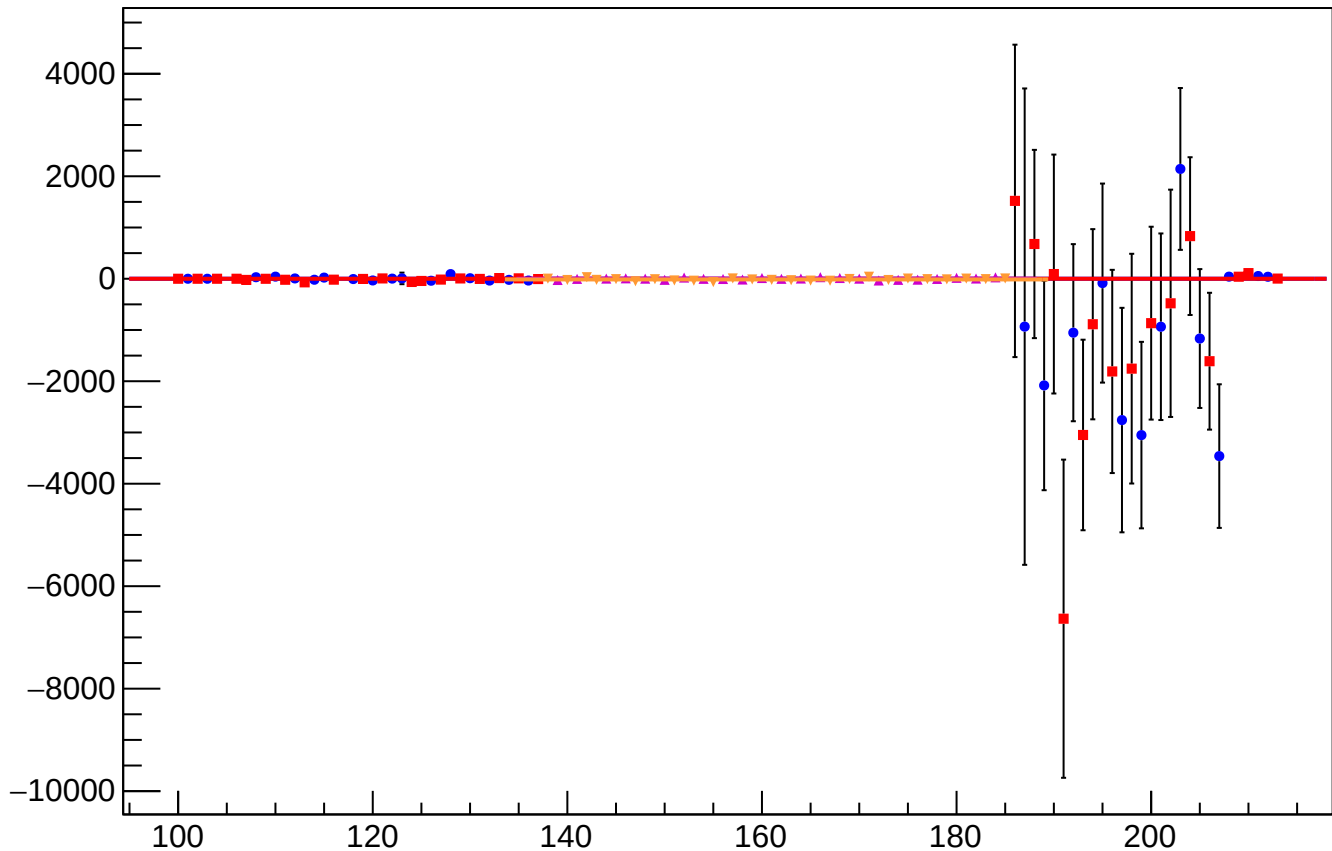
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 5995618.1/54

All: 0.007+/-0.000 χ^2/NDF : 12325777.7/111

- sign 0.007+/-0.000 χ^2/NDF : 6326231.9/56

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 34.2/29

Left Out: -13.472 $\pm$ 2.796 χ^2 /NDF: 58.5/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 32.6/33

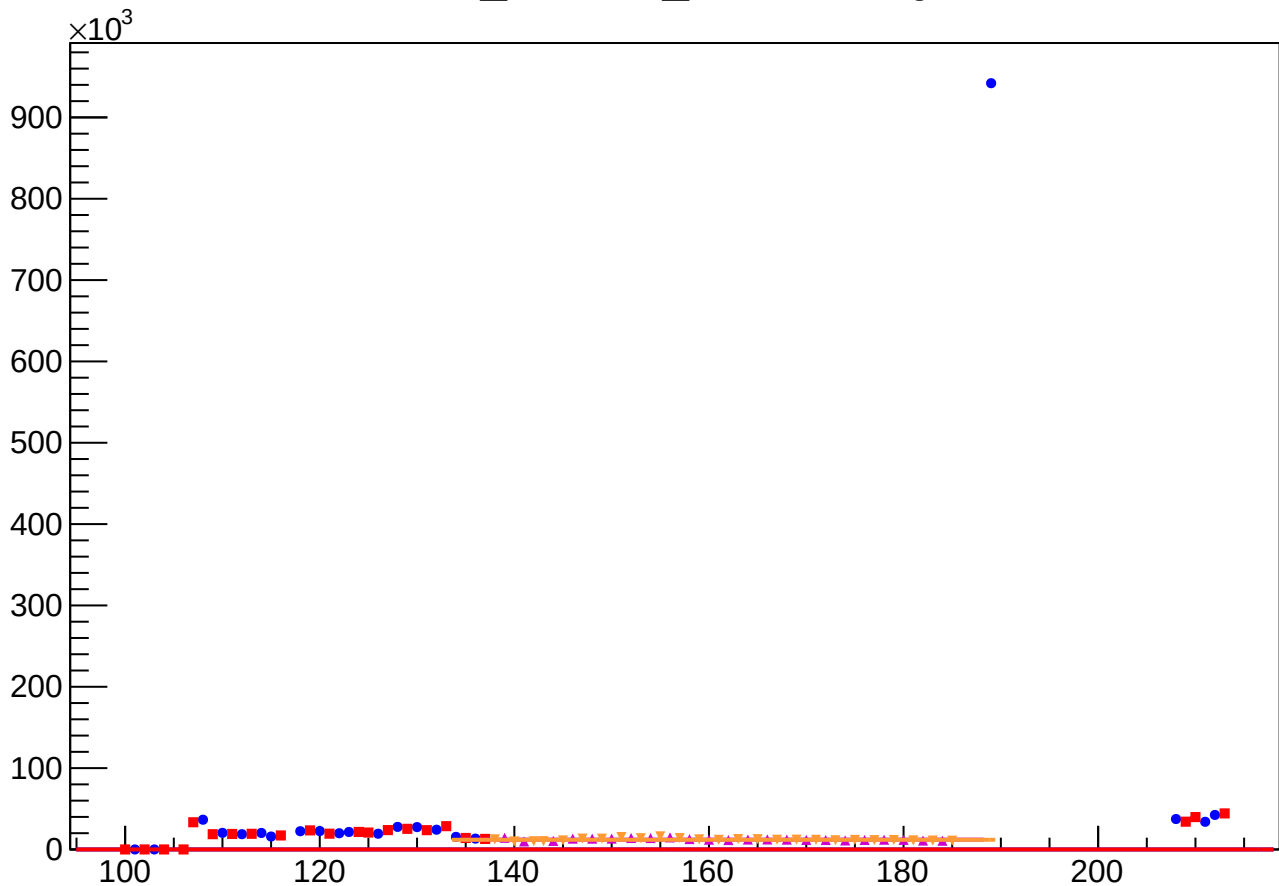
Left In: -0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 115.9/54

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 177.4/111

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 61.3/56

diff_cav4bX_rms vs Slug



Right In: 18.657+/-0.012 χ^2/NDF : 15128667.4/20

Left Out: 11909.835+/-1.977 χ^2/NDF : 475310.2/24

Right Out: 18.325+/-0.011 χ^2/NDF : 15370584.5/21

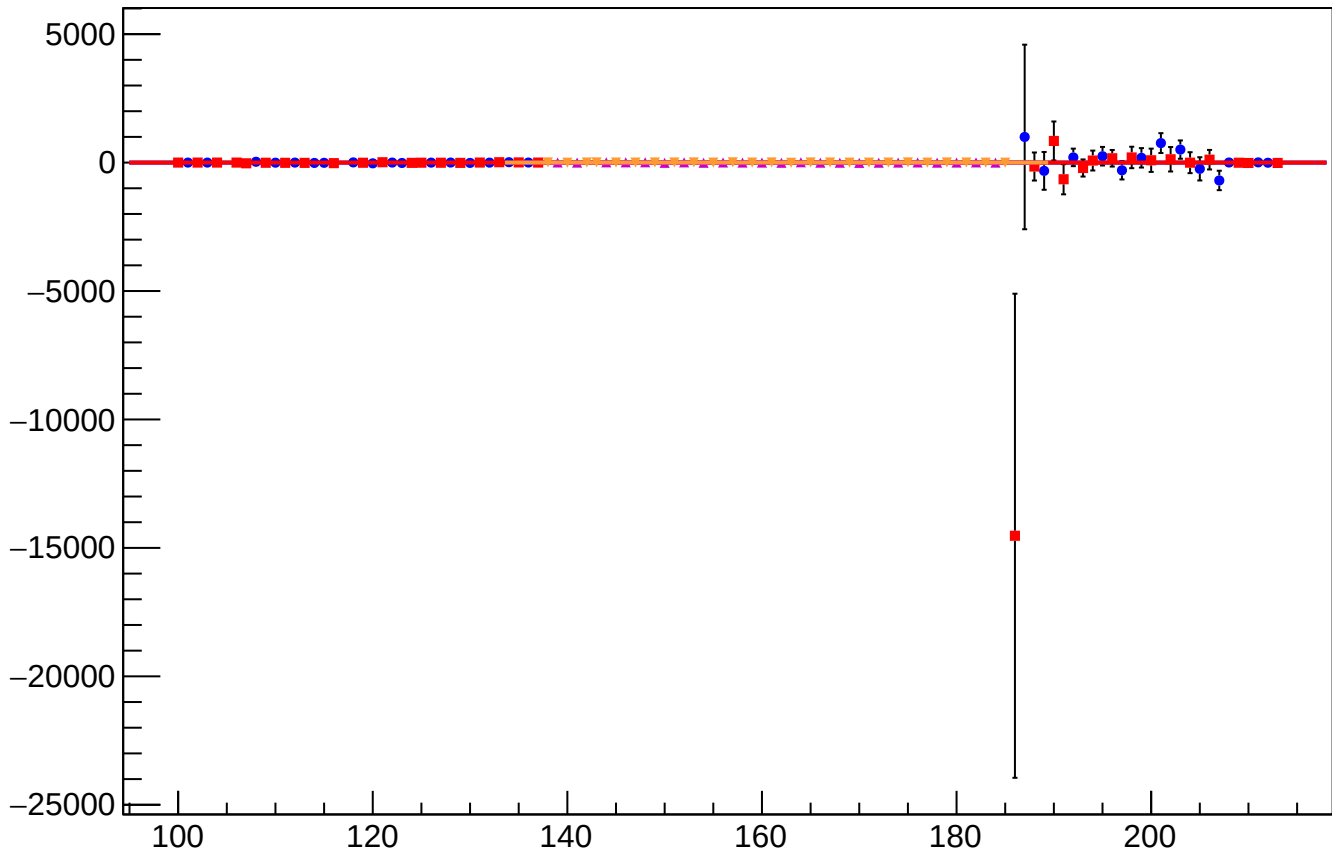
Left In: 12064.321+/-2.054 χ^2/NDF : 372586.0/22

+ sign 19.114+/-0.012 χ^2/NDF : 51768809.3/45

All: 18.888+/-0.008 χ^2/NDF : 101892487.0/90

- sign 18.694+/-0.011 χ^2/NDF : 50123046.6/44

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 28.3/29

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF:17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 33.0/33

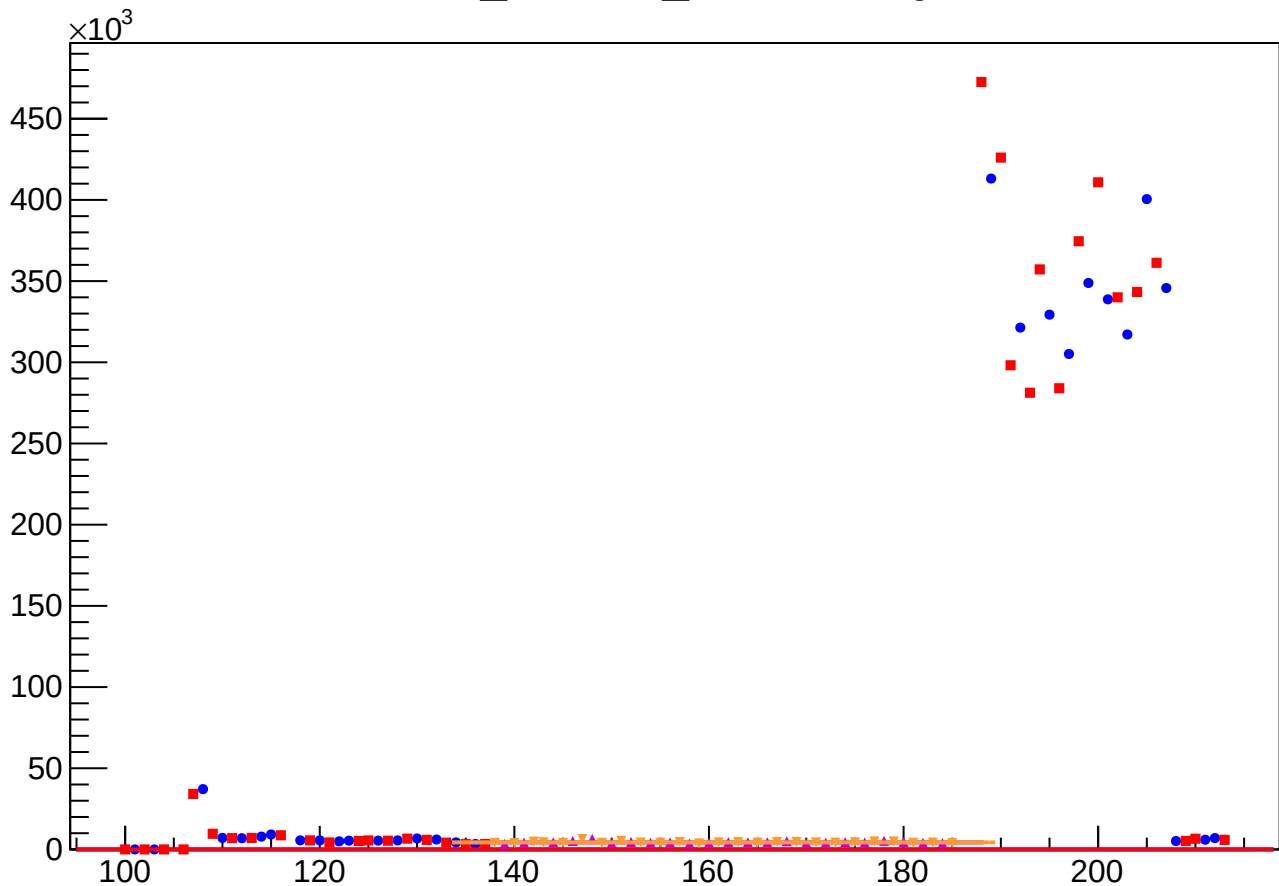
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF:35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 48.9/54

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 119.3/111

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 69.3/56

diff_cav4bY_rms vs Slug



Right In: 9.968 ± 0.007 χ^2/NDF : 28584385.2/28

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.883 ± 0.006 χ^2/NDF : 30157586.5/32

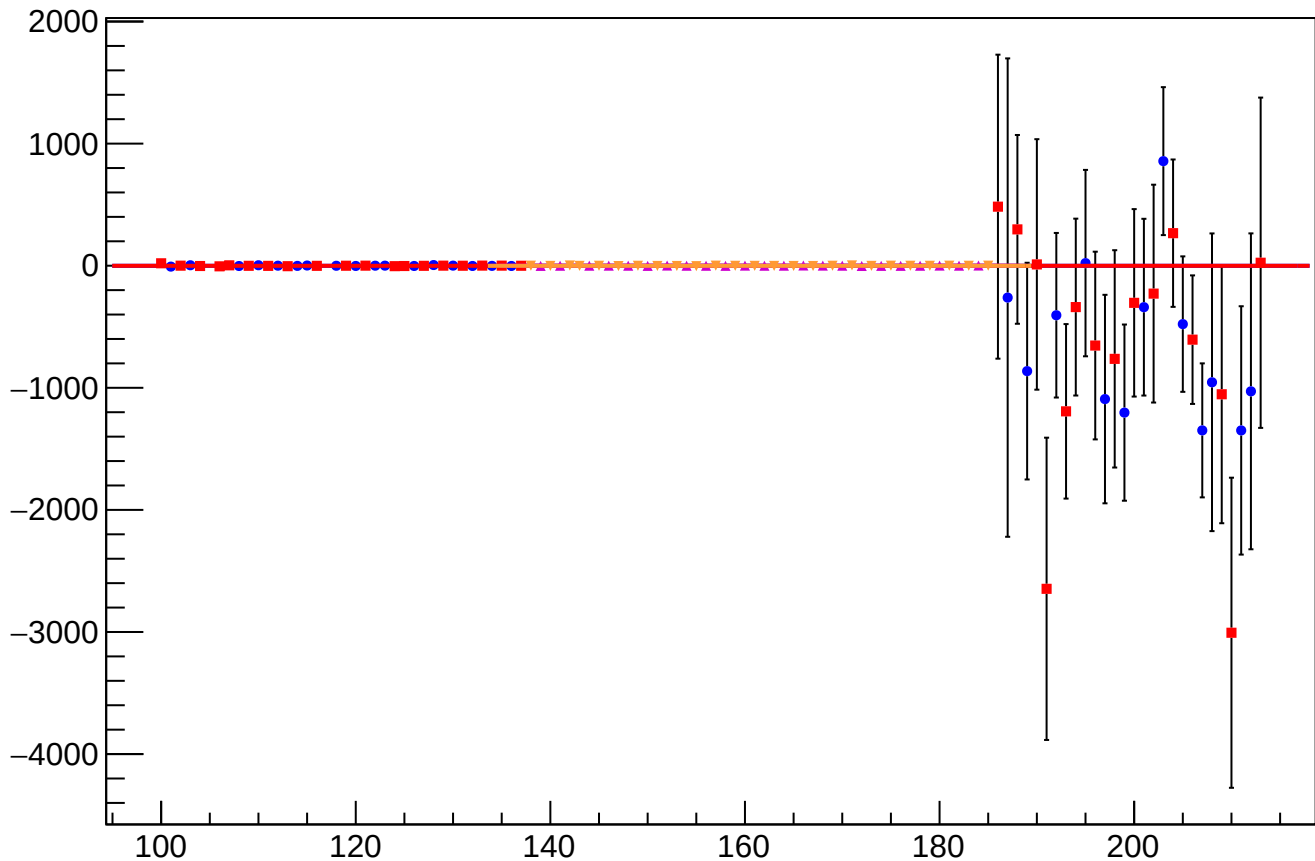
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.321 ± 0.007 χ^2/NDF : 65111875.1/53

All: 10.245 ± 0.004 χ^2/NDF : 129866924.9/10

- sign 10.179 ± 0.006 χ^2/NDF : 64754797.4/55

diff_cav4cX_mean vs Slug



Right In: -0.705 ± 0.485 χ^2/NDF : 40.2/29

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.763 ± 0.502 χ^2/NDF : 29.4/33

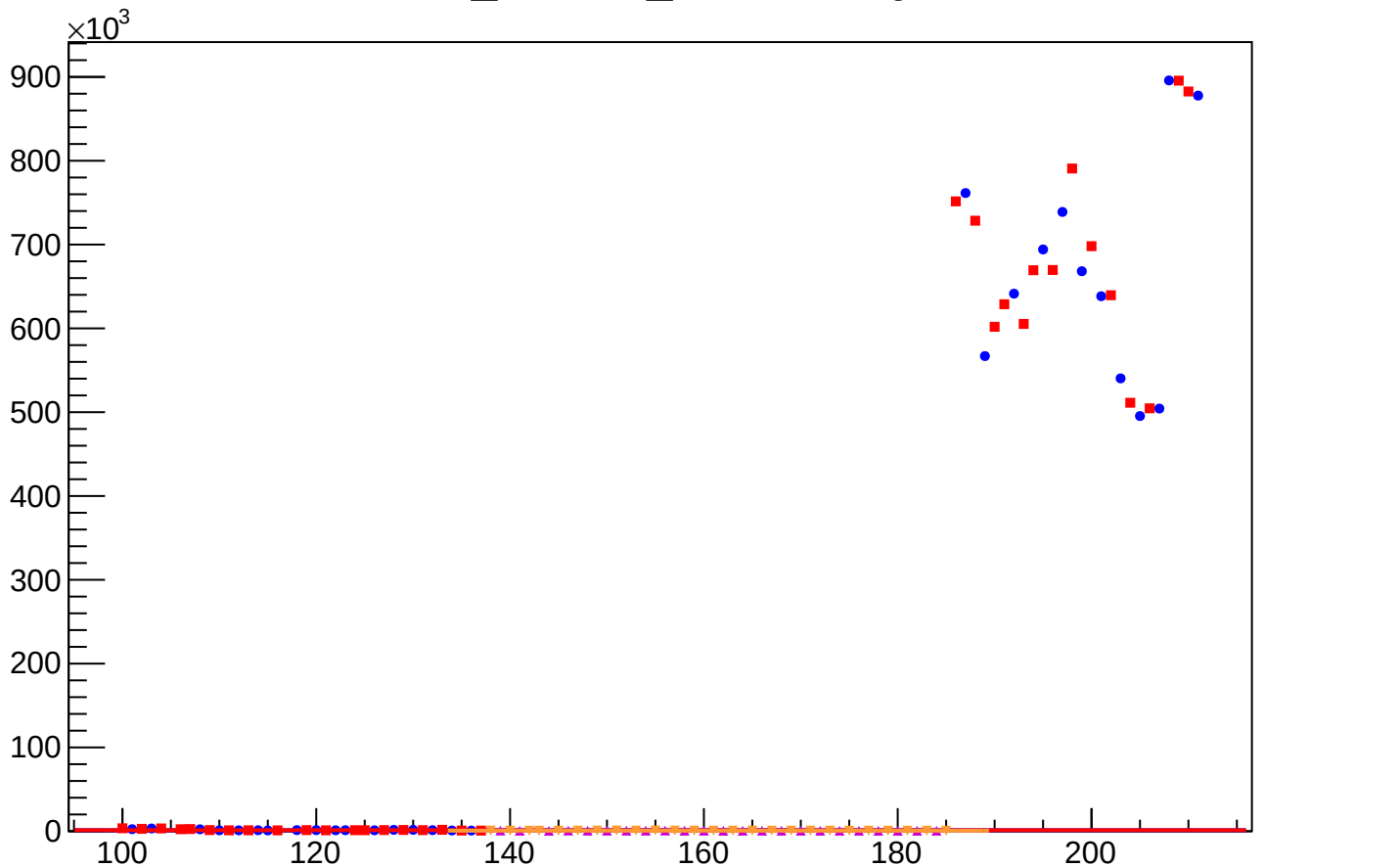
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 98.6/54

All: -0.444 ± 0.112 χ^2/NDF : 168.2/111

- sign -0.097 ± 0.161 χ^2/NDF : 60.6/56

diff_cav4cX_rms vs Slug



Right In: 1167.299+/-0.343 χ^2/NDF : 18152560.5/28

Left Out: 700.797+/-0.116 χ^2/NDF :392521.4/24

Right Out: 1252.624+/-0.355 χ^2/NDF : 18981927.6/32

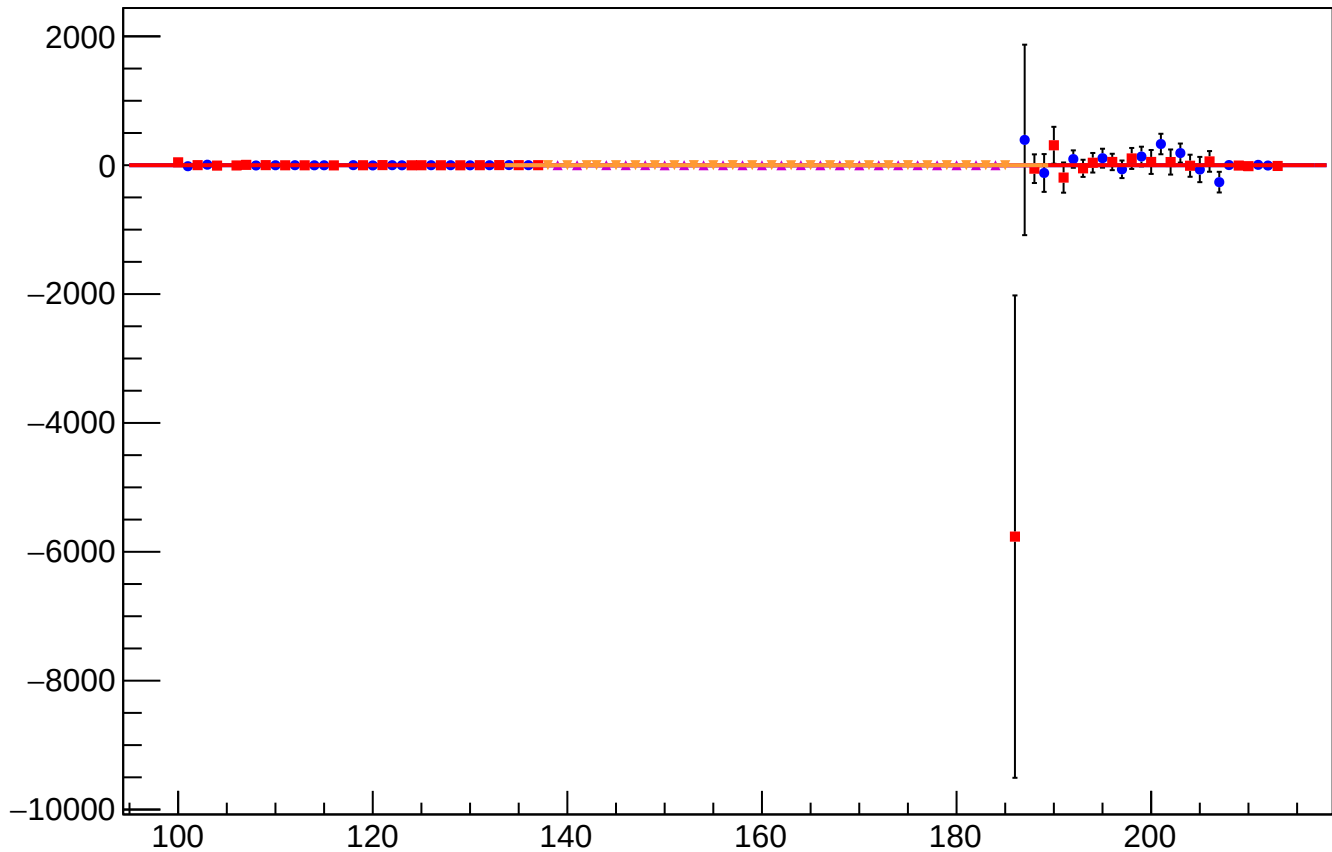
Left In: 706.950+/-0.120 χ^2/NDF :338177.1/22

+ sign 748.820+/-0.110 χ^2/NDF : 20204864.3/53

All: 755.733+/-0.079 χ^2/NDF : 41652141.7/10

- sign 763.144+/-0.114 χ^2/NDF : 21439099.6/55

diff_cav4cY_mean vs Slug



Right In: -0.048 ± 0.270 χ^2/NDF : 33.7/29

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.178 ± 0.264 χ^2/NDF : 37.2/33

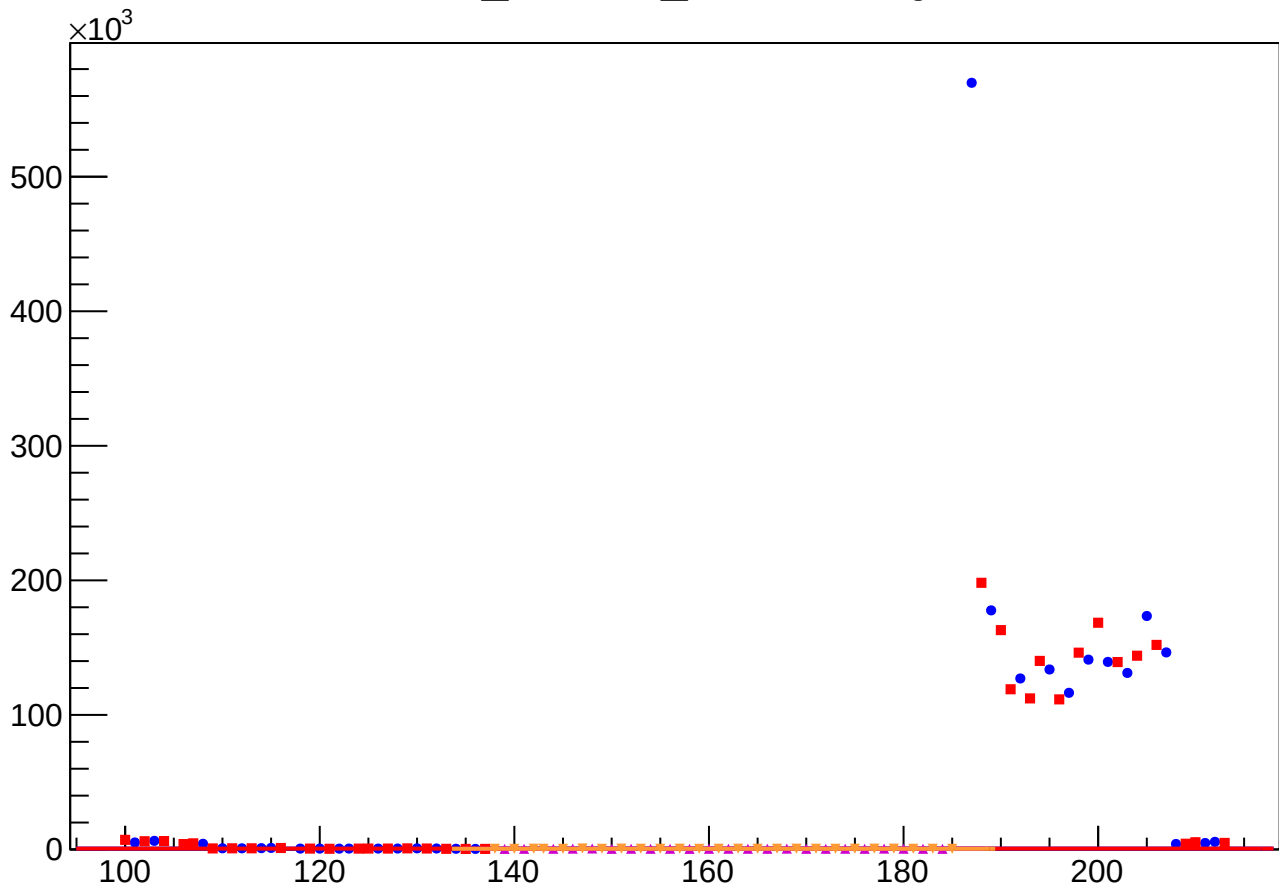
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.188 ± 0.112 χ^2/NDF : 52.2/54

All: 0.158 ± 0.079 χ^2/NDF : 124.6/111

- sign 0.127 ± 0.113 χ^2/NDF : 72.2/56

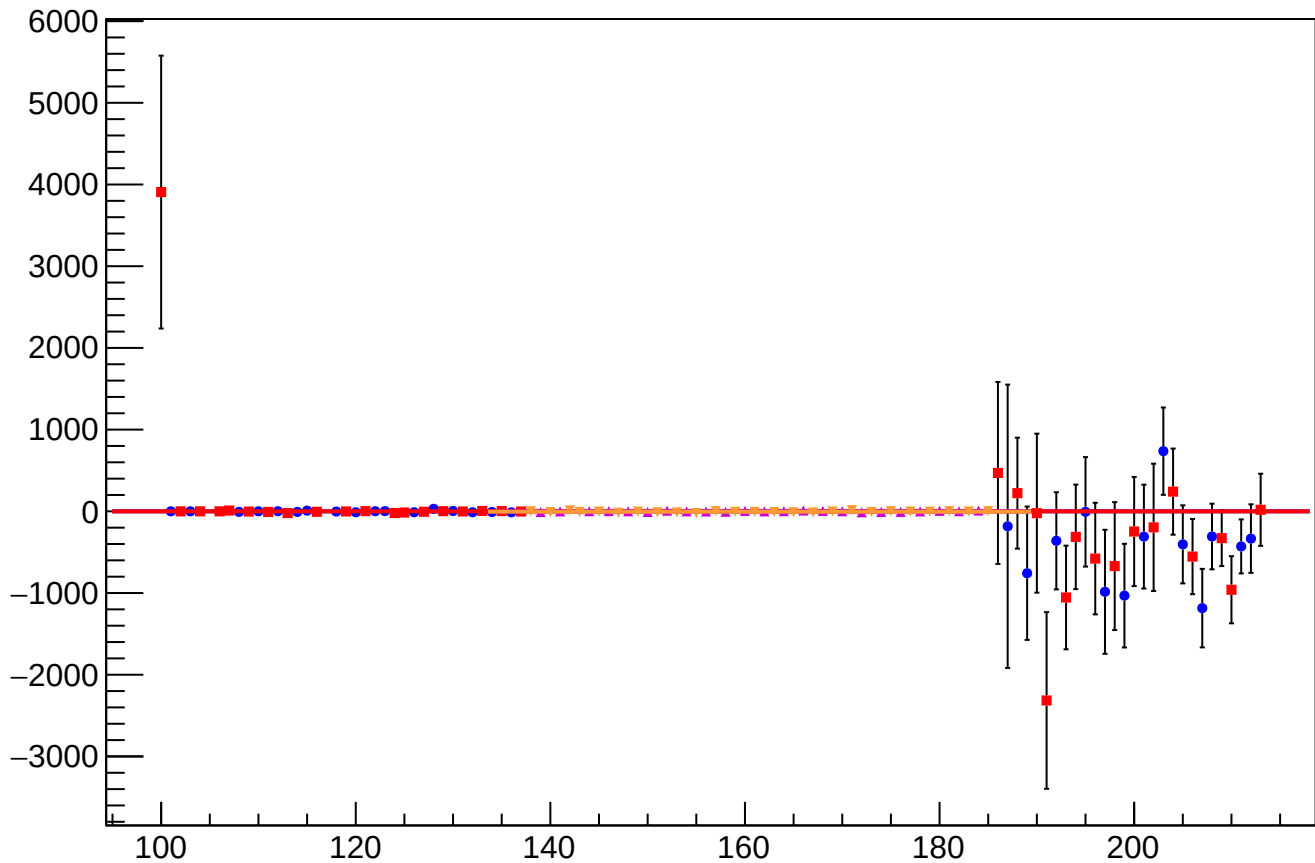
diff_cav4cY_rms vs Slug



Right In: 639.171 $\pm$ 0.191 χ^2 /NDF: 20111695.0/29
 Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF:331573.1/24
 Right Out: 630.598 $\pm$ 0.187 χ^2 /NDF: 21581758.2/32
 Left In: 519.909 $\pm$ 0.089 χ^2 /NDF:444746.3/22

+ sign 542.382 $\pm$ 0.079 χ^2 /NDF: 20754038.3/54
 All: 541.365 $\pm$ 0.056 χ^2 /NDF: 43067714.6/11
 - sign 540.314 $\pm$ 0.080 χ^2 /NDF: 22313338.3/55

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 33.0/29

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 34.4/33

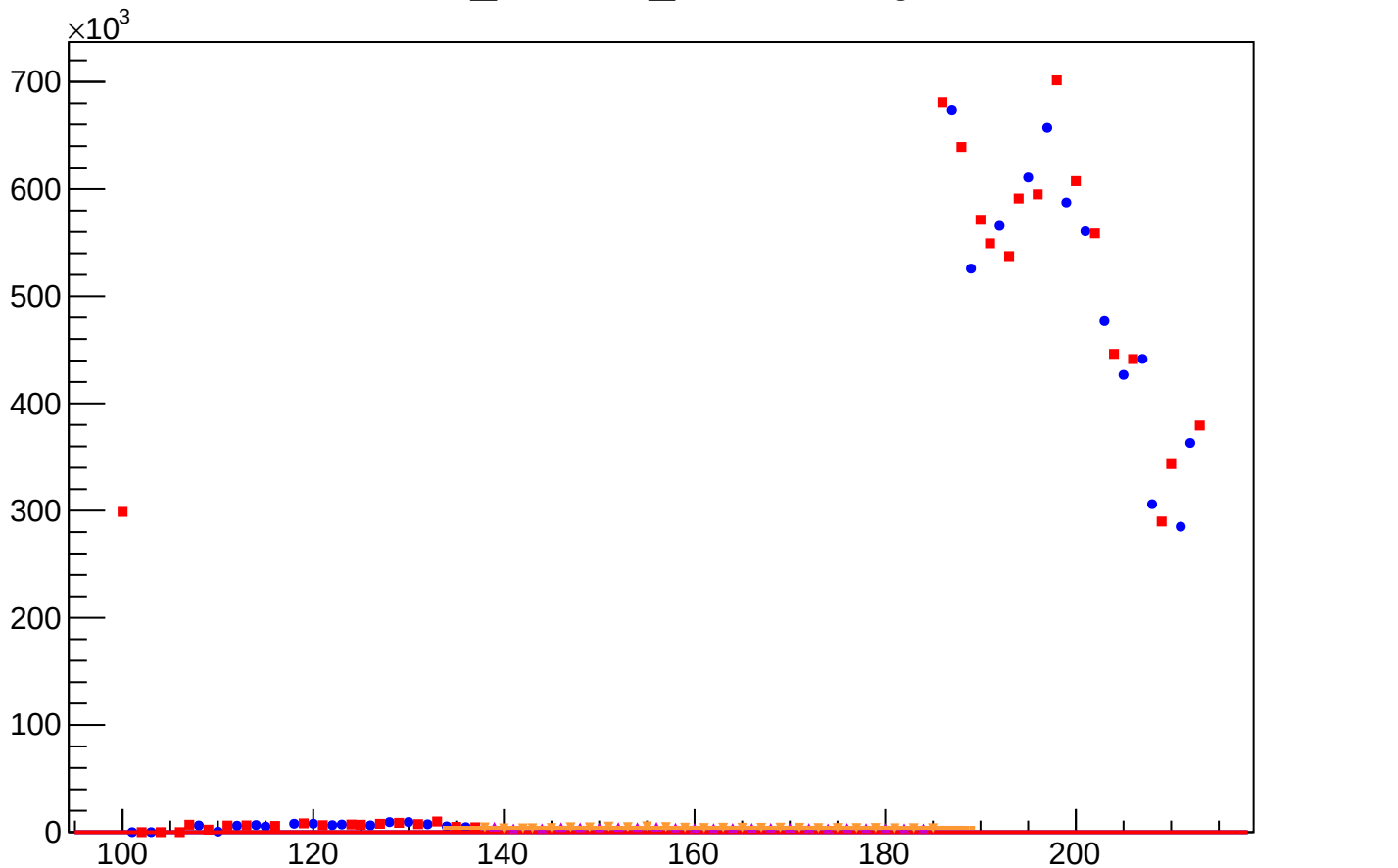
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 113.0/54

All: -0.025 ± 0.014 χ^2/NDF : 176.6/111

- sign -0.027 ± 0.020 χ^2/NDF : 63.7/56

diff_cav4dX_rms vs Slug



Right In: 17.344+/-0.015 χ^2/NDF : 28711864.1/29

Left Out: 4074.257+/-0.676 χ^2/NDF : 416916.0/24

Right Out: 17.275+/-0.014 χ^2/NDF : 31001732.7/33

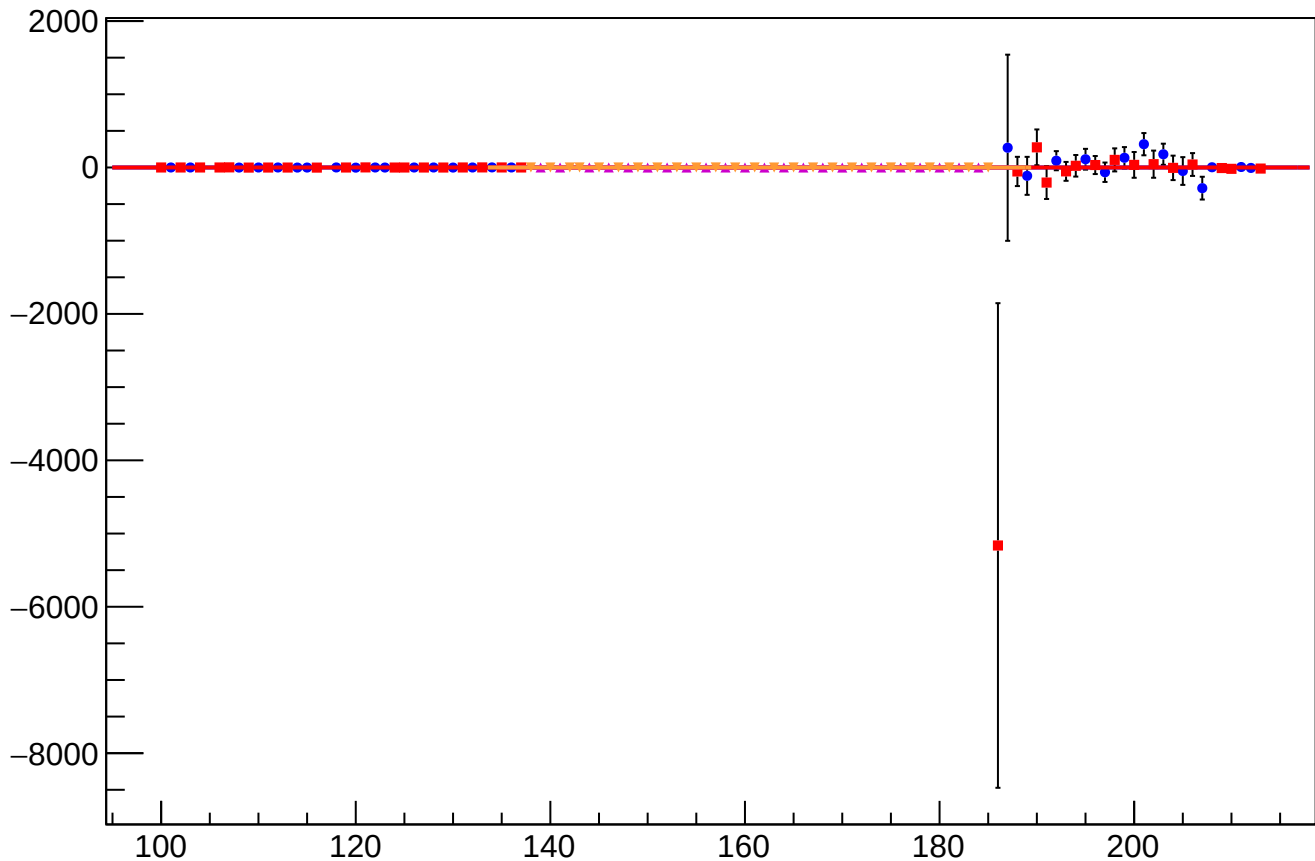
Left In: 4113.744+/-0.700 χ^2/NDF : 354965.8/22

+ sign 19.264+/-0.015 χ^2/NDF : 65161862.5/54

All: 19.077+/-0.010 χ^2/NDF : 130735599.2/11

- sign 18.908+/-0.014 χ^2/NDF : 65573429.0/56

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 28.9/29

Left Out: 0.151 ± 0.076 χ^2/NDF : 16.8/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 35.6/33

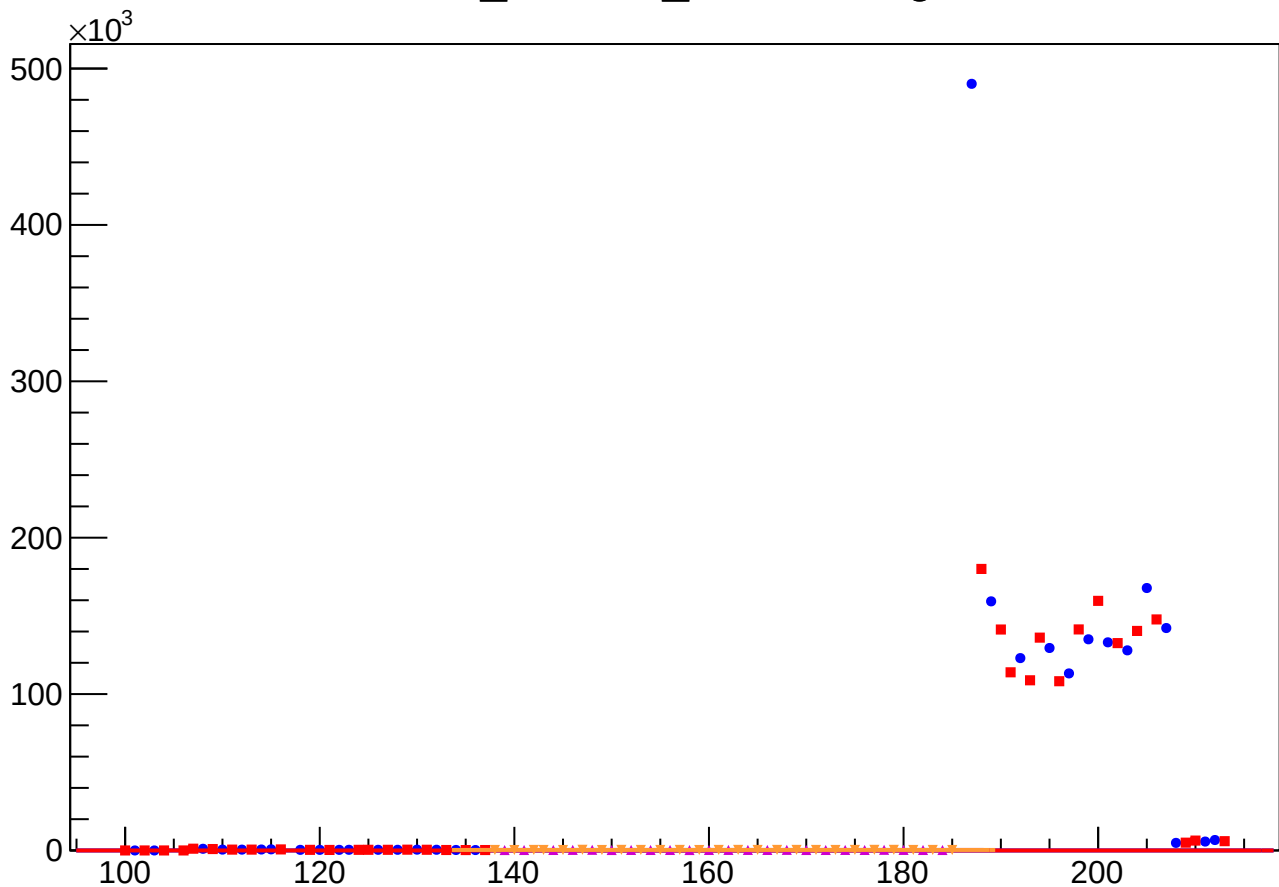
Left In: 0.075 ± 0.078 χ^2/NDF : 34.8/22

+ sign 0.000 ± 0.002 χ^2/NDF : 49.6/54

All: 0.001 ± 0.001 χ^2/NDF : 120.9/111

- sign 0.001 ± 0.002 χ^2/NDF : 71.3/56

diff_cav4dY_rms vs Slug



Right In: 1.700 $\pm$ 0.001 χ^2 /NDF: 28976360.7/29

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.730 $\pm$ 0.001 χ^2 /NDF: 29942016.2/32

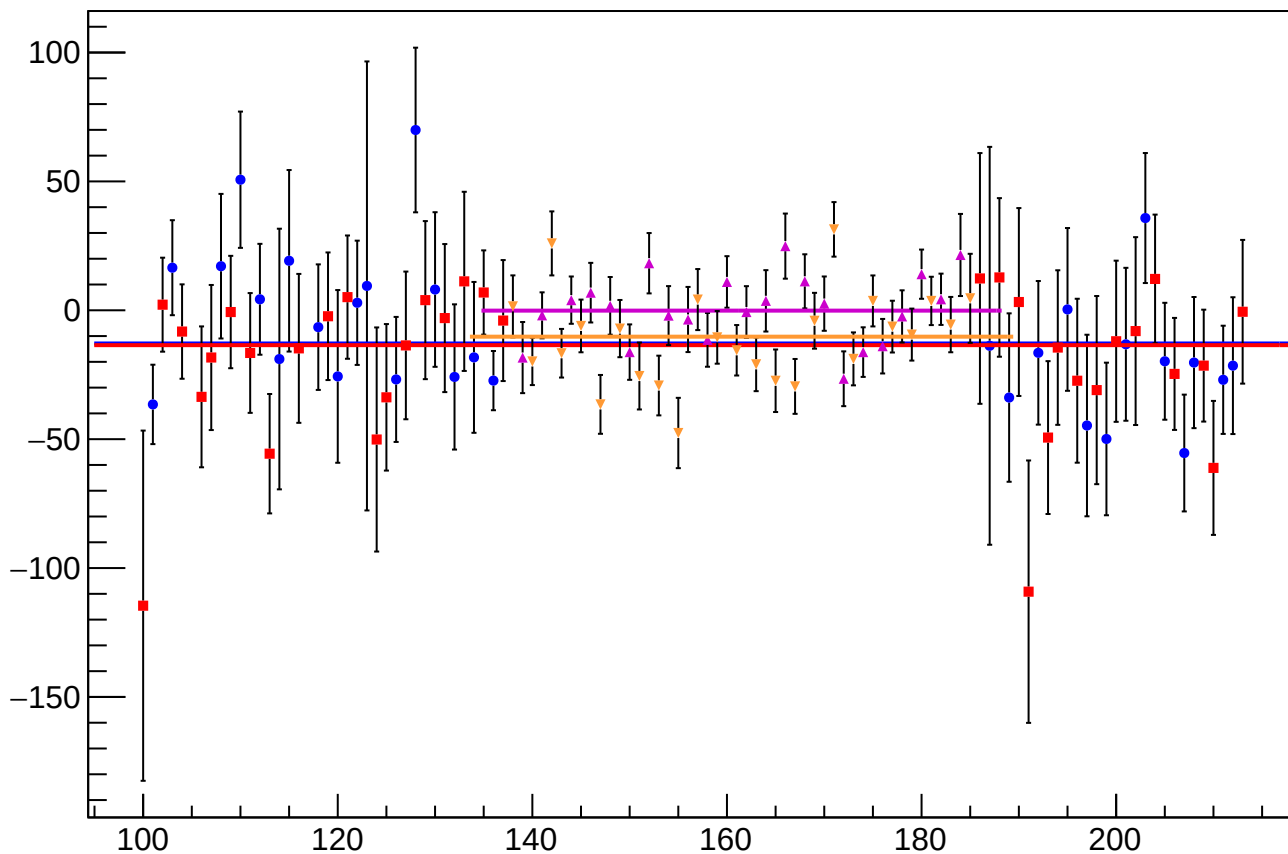
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.928 $\pm$ 0.001 χ^2 /NDF: 65288363.7/54

All: 1.927 $\pm$ 0.001 χ^2 /NDF: 129629119.0/110

- sign 1.927 $\pm$ 0.001 χ^2 /NDF: 64340755.3/55

diff_bpm4aX_mean vs Slug



Right In: -12.876 ± 4.535 χ^2/NDF : 34.3/29

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -13.526 ± 4.571 χ^2/NDF : 23.7/33

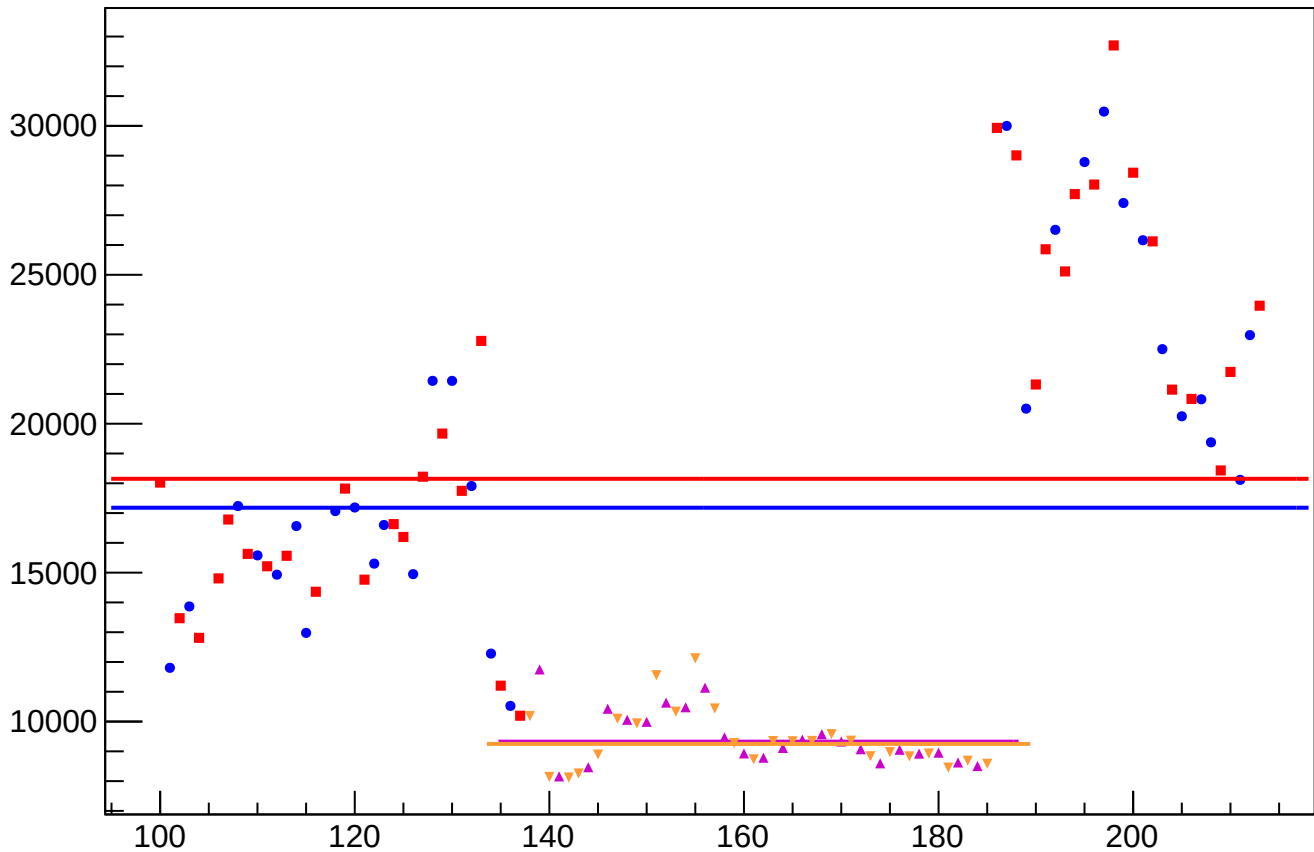
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.726 ± 1.955 χ^2/NDF : 92.6/54

All: -6.844 ± 1.402 χ^2/NDF : 161.1/111

- sign -2.728 ± 2.013 χ^2/NDF : 60.4/56

diff_bpm4aX_rms vs Slug



Right In: 17179.468 $\pm$ 3.206 χ^2 /NDF: 2769582.8/29

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 18150.709 $\pm$ 3.232 χ^2 /NDF: 2887452.9/33

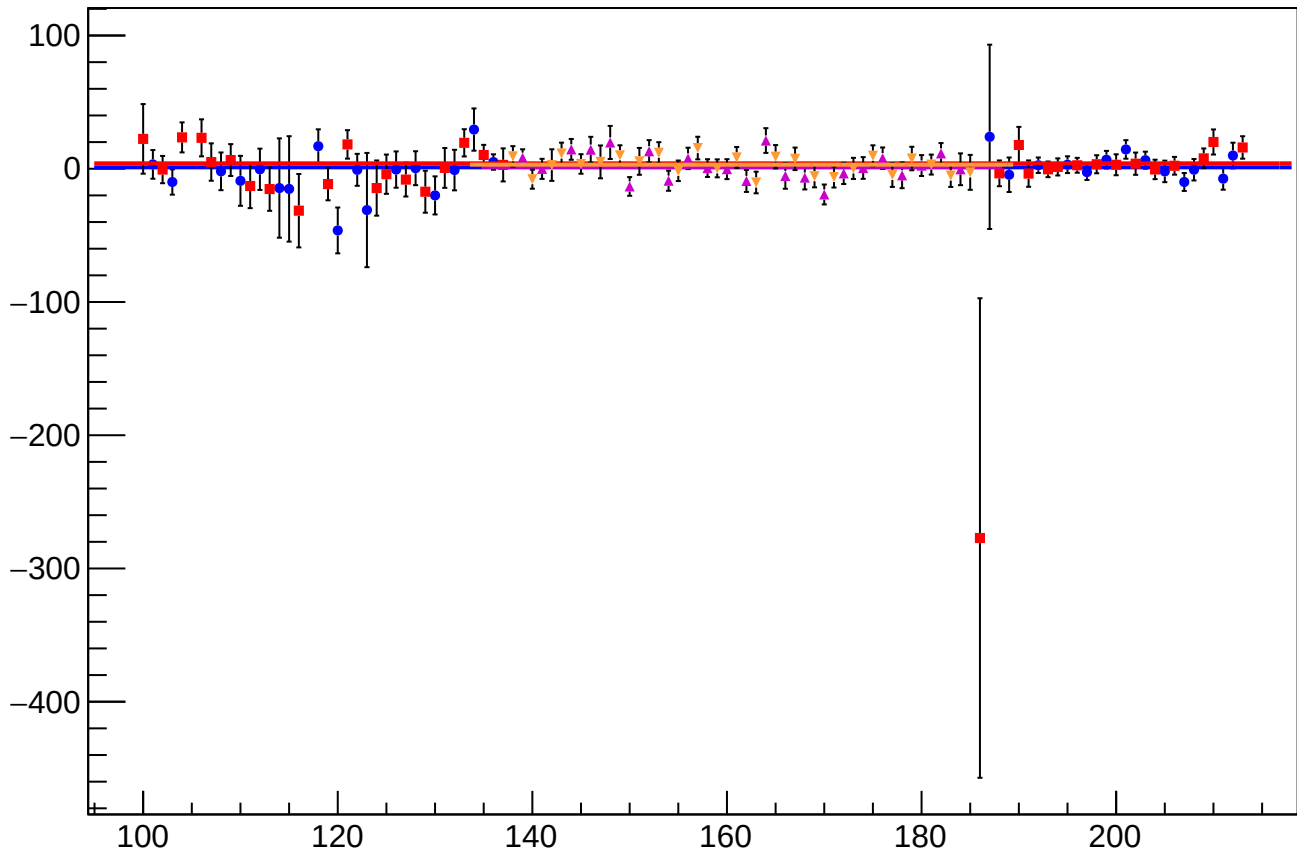
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10723.282 $\pm$ 1.382 χ^2 /NDF: 8081359.3/54

All: 10875.428 $\pm$ 0.992 χ^2 /NDF: 17284156.7

- sign 11036.755 $\pm$ 1.423 χ^2 /NDF: 9177838.9/56

diff_bpm4aY_mean vs Slug



Right In: 1.057 ± 1.713 χ^2/NDF : 28.5/29

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 4.077 ± 1.658 χ^2/NDF : 31.2/33

Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

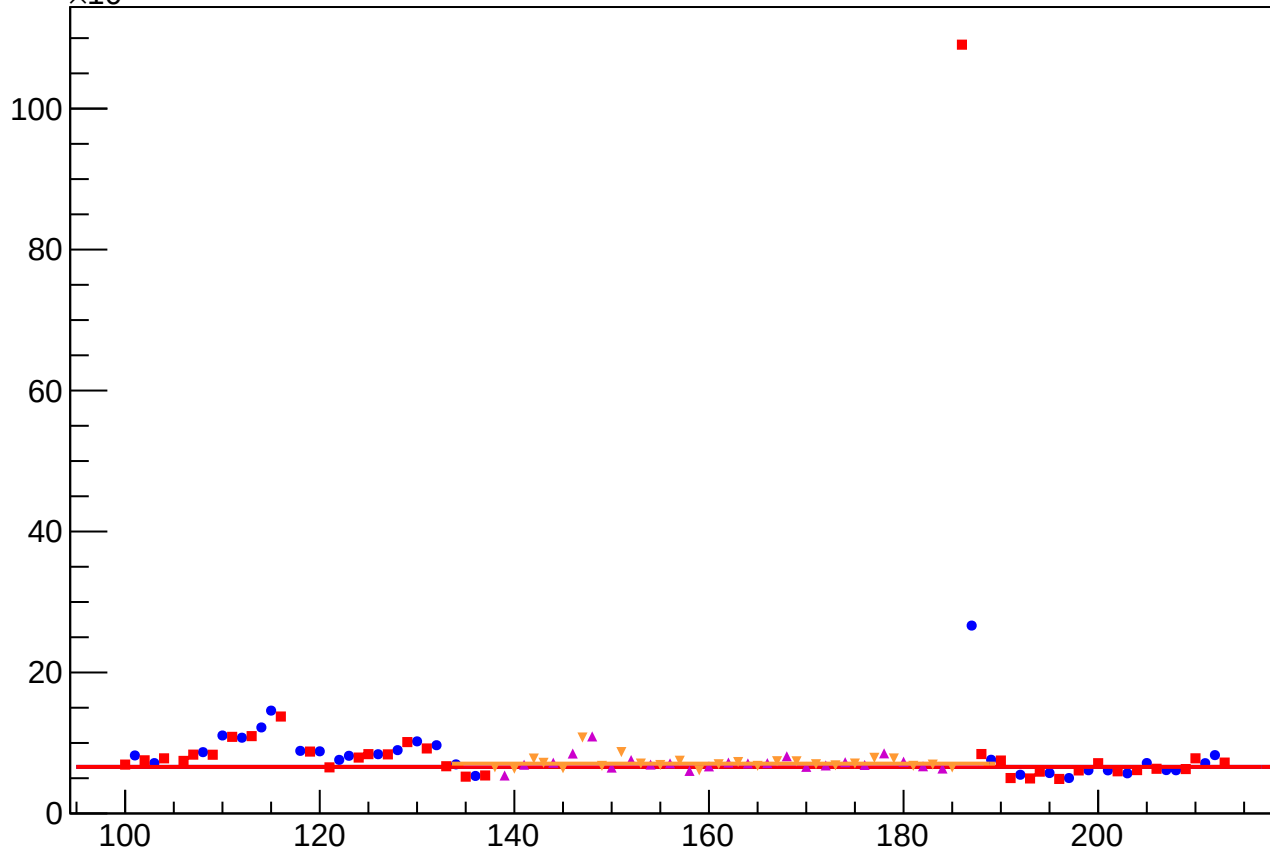
+ sign 2.091 ± 1.192 χ^2/NDF : 47.4/54

All: 2.430 ± 0.840 χ^2/NDF : 115.4/111

- sign 2.764 ± 1.184 χ^2/NDF : 67.8/56

diff_bpm4aY_rms vs Slug

$\times 10^3$



Right In: 6606.614 $\pm$ 1.211 χ^2/NDF : 1597532.3/29

Left Out: 7066.826 $\pm$ 1.173 χ^2/NDF : 387449.8/24

Right Out: 6606.523 $\pm$ 1.172 χ^2/NDF : 2150667.3/33

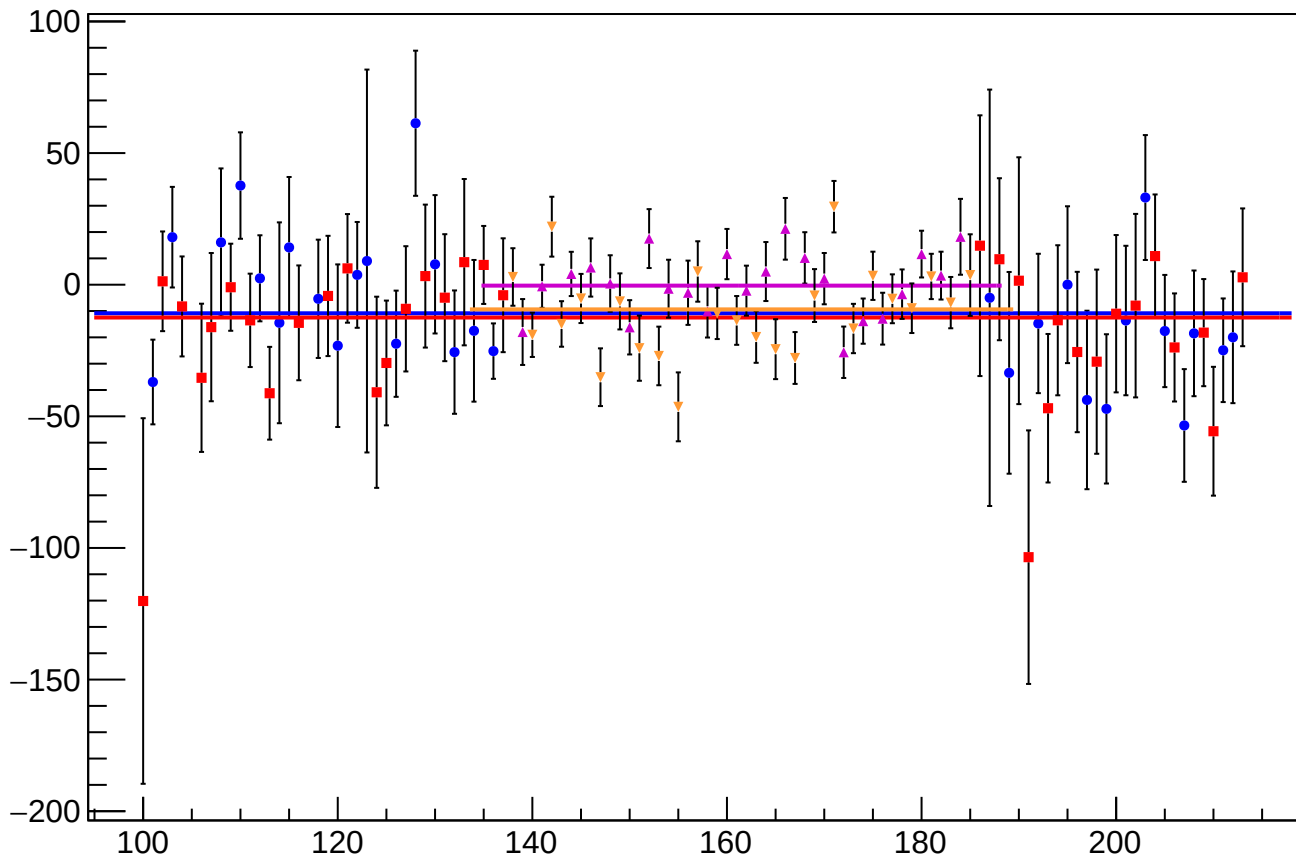
Left In: 7000.532 $\pm$ 1.197 χ^2/NDF : 550029.3/22

+ sign 6844.143 $\pm$ 0.843 χ^2/NDF : 2059467.0/54

All: 6821.609 $\pm$ 0.594 χ^2/NDF : 4816884.0/11

- sign 6799.349 $\pm$ 0.838 χ^2/NDF : 2755995.7/56

diff_bpm4eX_mean vs Slug



Right In: -10.857 ± 4.148 χ^2/NDF : 35.3/29

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -12.467 ± 4.145 χ^2/NDF : 23.0/33

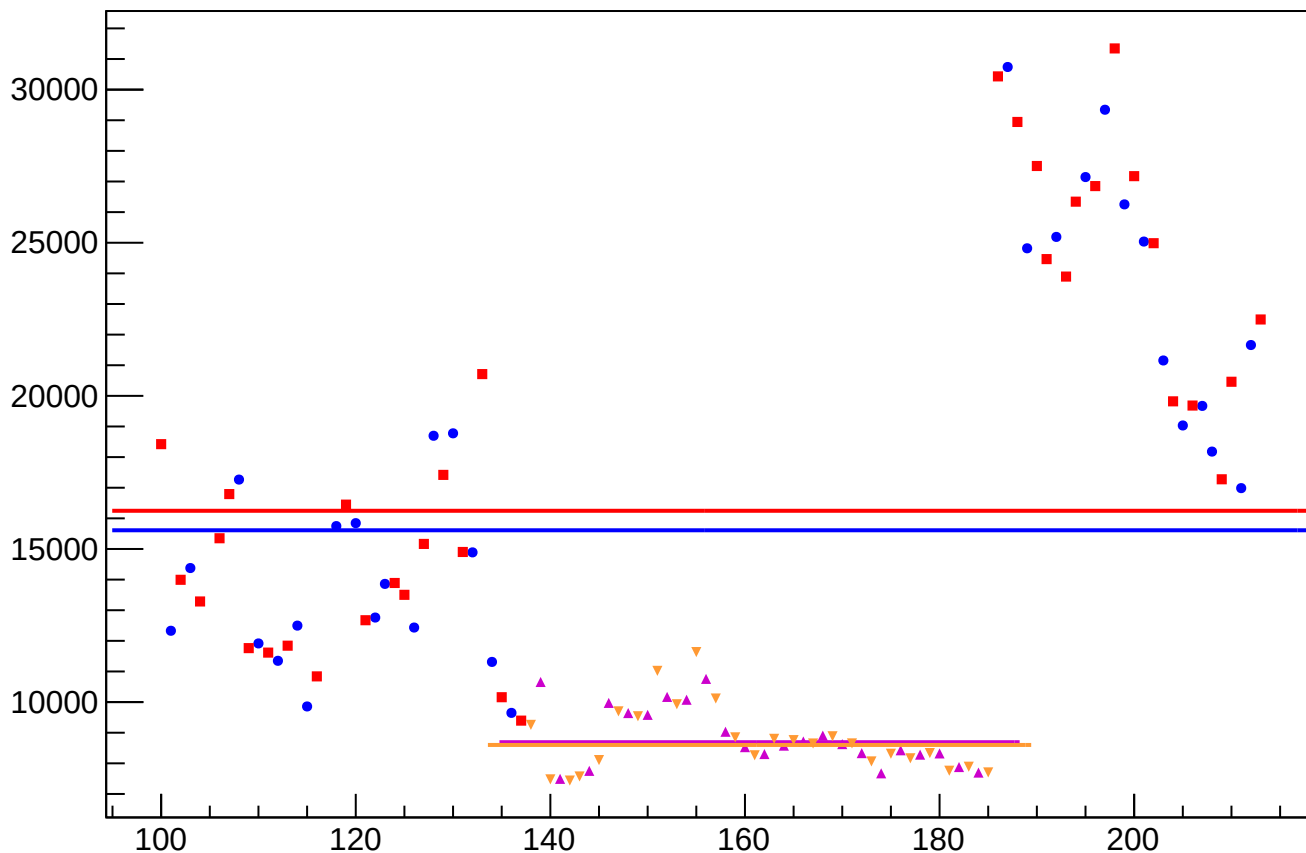
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.659 ± 1.814 χ^2/NDF : 93.8/54

All: -6.336 ± 1.301 χ^2/NDF : 160.2/111

- sign -2.813 ± 1.868 χ^2/NDF : 59.5/56

diff_bpm4eX_rms vs Slug



Right In: 15610.542 $\pm$ 2.933 χ^2 /NDF: 3210894.6/29

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF:438229.4/24

Right Out: 16247.390 $\pm$ 2.931 χ^2 /NDF: 3666209.4/33

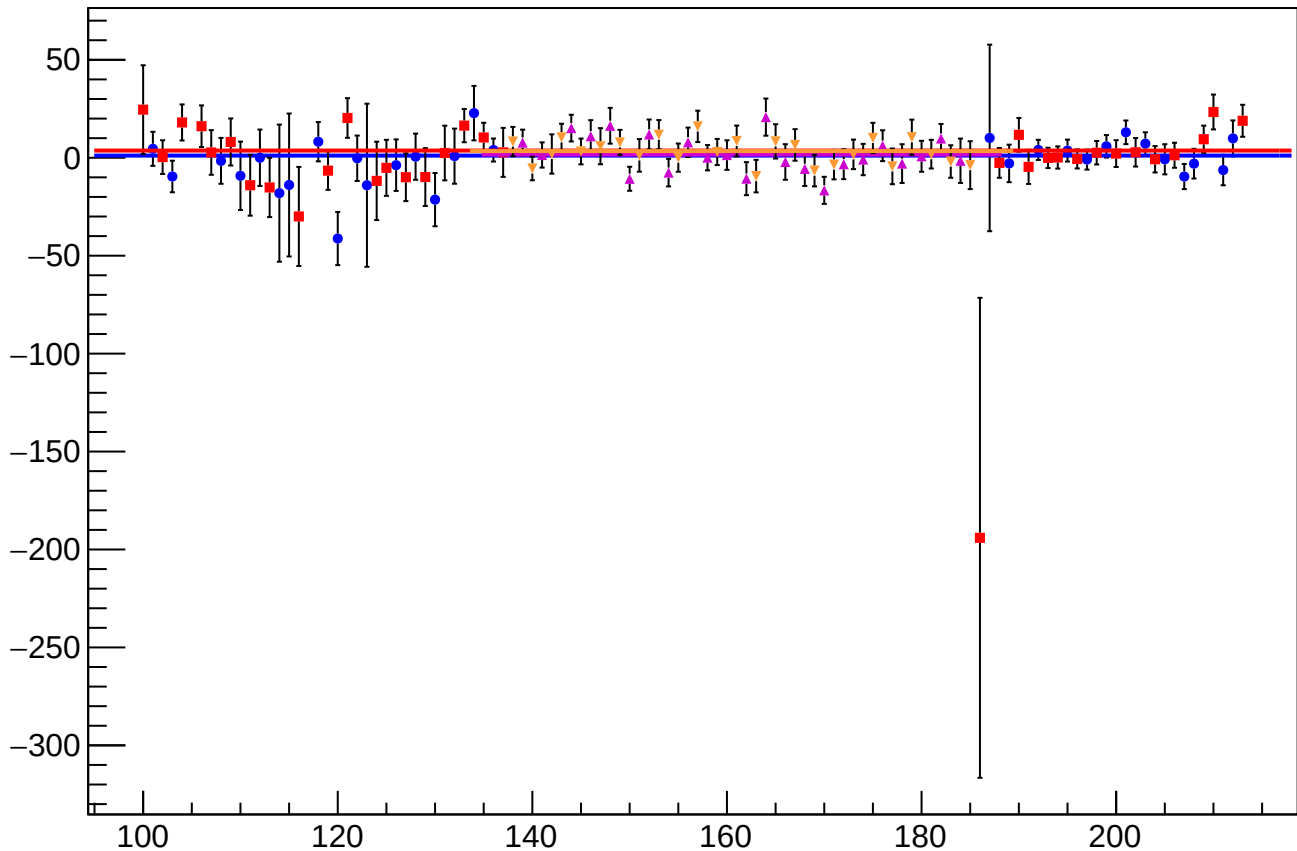
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF:370834.1/22

+ sign 9942.025 $\pm$ 1.283 χ^2 /NDF: 8268999.7/54

All: 10079.345 $\pm$ 0.920 χ^2 /NDF: 17628500.2

- sign 10224.852 $\pm$ 1.321 χ^2 /NDF: 9335906.4/56

diff_bpm4eY_mean vs Slug



Right In: 1.104 ± 1.542 χ^2/NDF : 30.2/29

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 3.675 ± 1.474 χ^2/NDF : 35.9/33

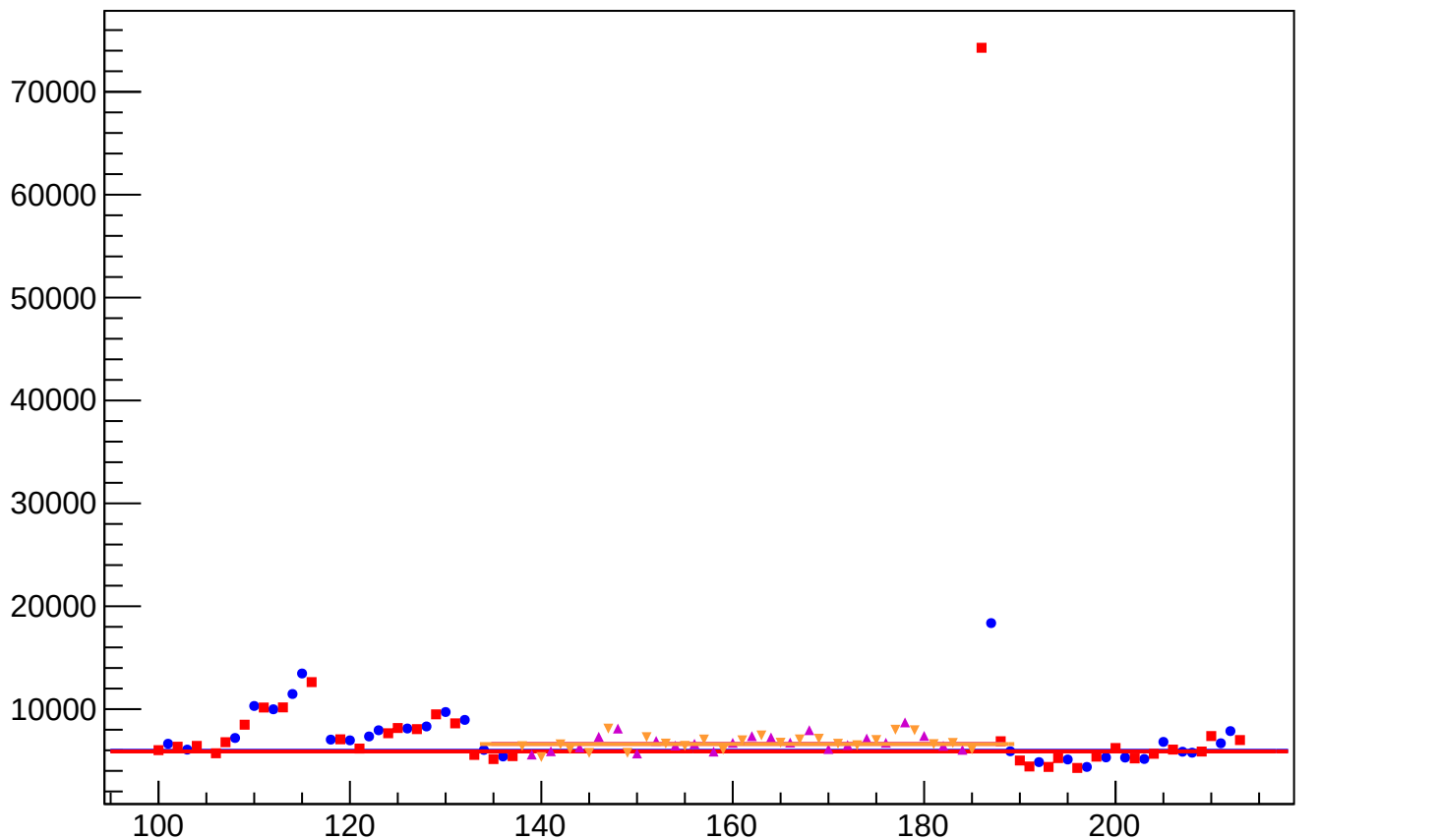
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.249 ± 1.093 χ^2/NDF : 48.2/54

All: 2.494 ± 0.770 χ^2/NDF : 118.6/111

- sign 2.734 ± 1.084 χ^2/NDF : 70.3/56

diff_bpm4eY_rms vs Slug



Right In: 5954.565+/-1.091 χ^2/NDF : 1597508.0/29

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 5889.548+/-1.043 χ^2/NDF : 2232326.0/33

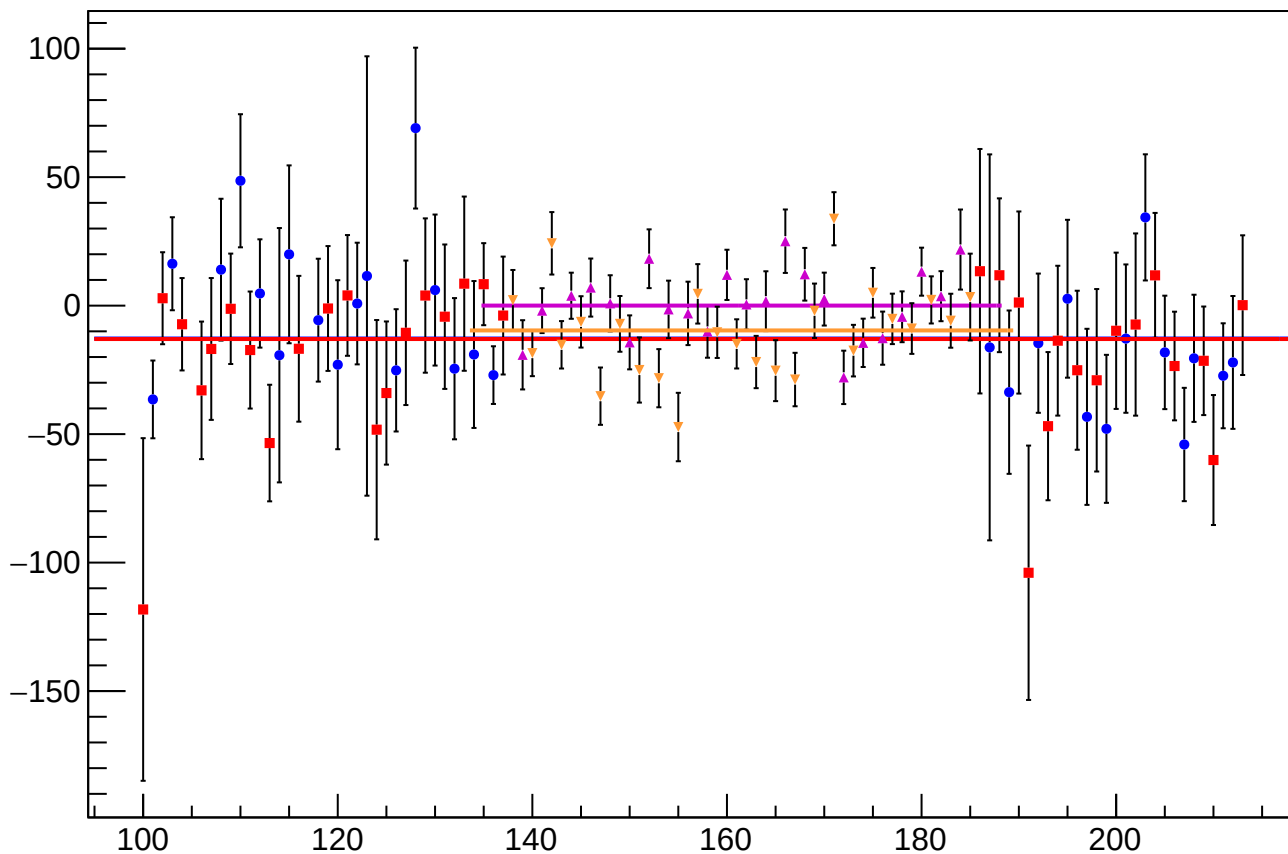
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6279.137+/-0.773 χ^2/NDF : 2173976.2/54

All: 6253.936+/-0.544 χ^2/NDF : 5069619.9/11

- sign 6229.171+/-0.766 χ^2/NDF : 2893537.6/56

diff_bpm4acX_mean vs Slug



Right In: -12.804 ± 4.433 χ^2/NDF : 34.1/29

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -12.996 ± 4.470 χ^2/NDF : 23.7/33

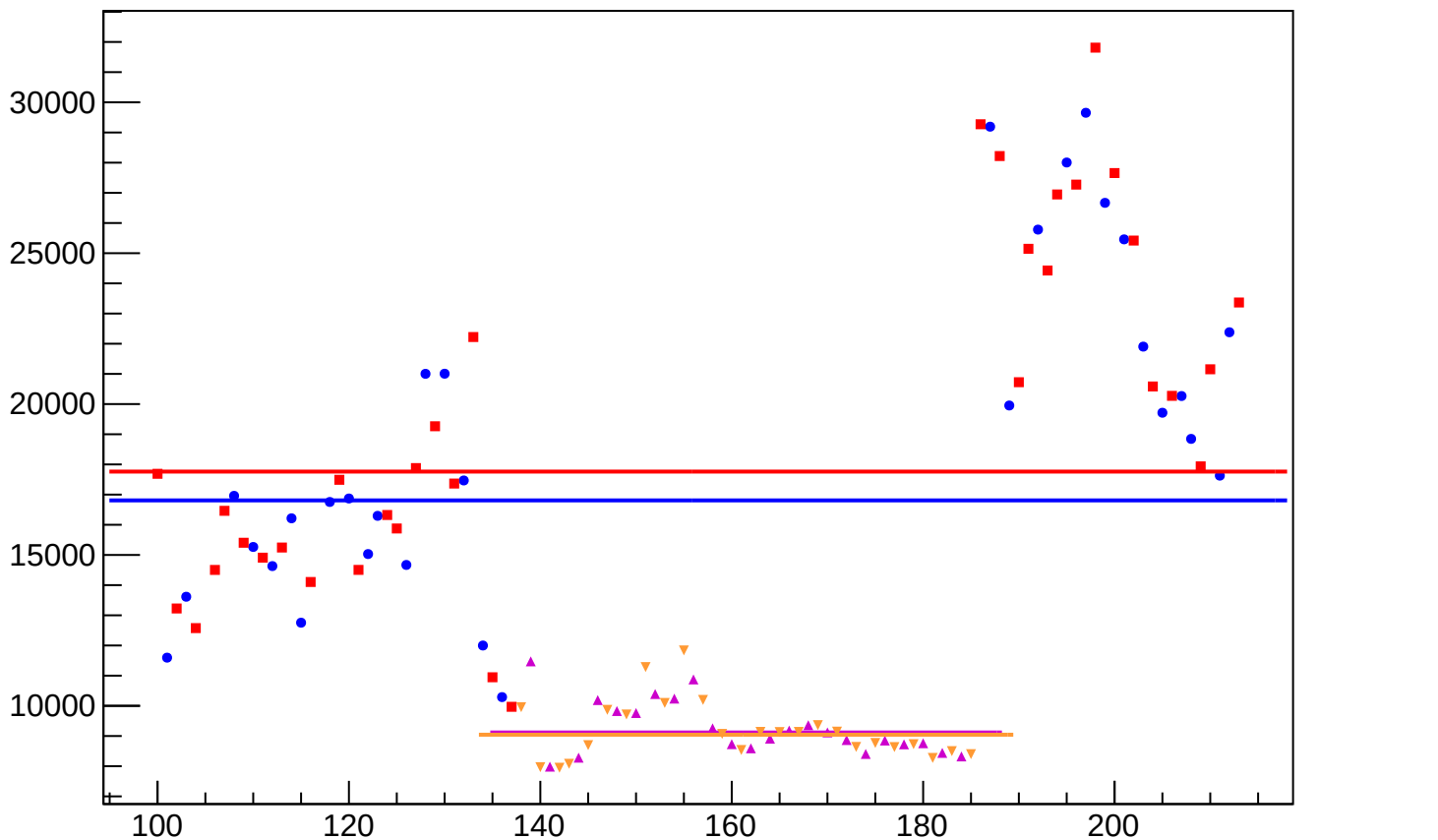
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -10.235 ± 1.911 χ^2/NDF : 94.3/54

All: -6.483 ± 1.371 χ^2/NDF : 163.5/111

- sign -2.504 ± 1.968 χ^2/NDF : 61.2/56

diff_bpm4acX_rms vs Slug



Right In: 16808.156+/-3.135 χ^2/NDF : 2725914.9/29

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

Right Out: 17762.773+/-3.161 χ^2/NDF : 2836169.7/33

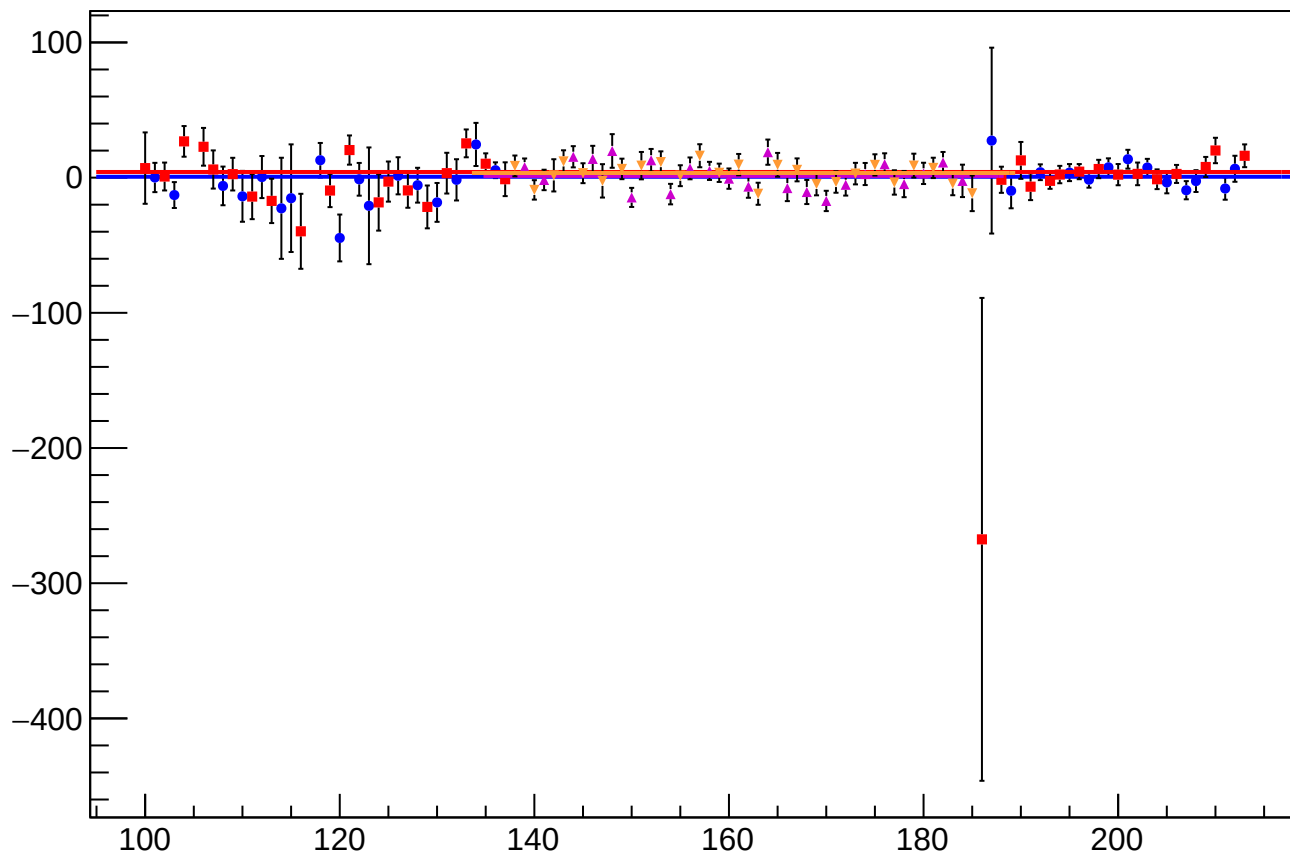
Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

+ sign 10486.693+/-1.351 χ^2/NDF : 8049112.0/54

All: 10635.405+/-0.970 χ^2/NDF : 17220033.3

- sign 10793.090+/-1.392 χ^2/NDF : 9145974.2/56

diff_bpm4acY_mean vs Slug



Right In: 0.652 ± 1.719 χ^2/NDF : 27.6/29

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 4.188 ± 1.664 χ^2/NDF : 36.5/33

Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

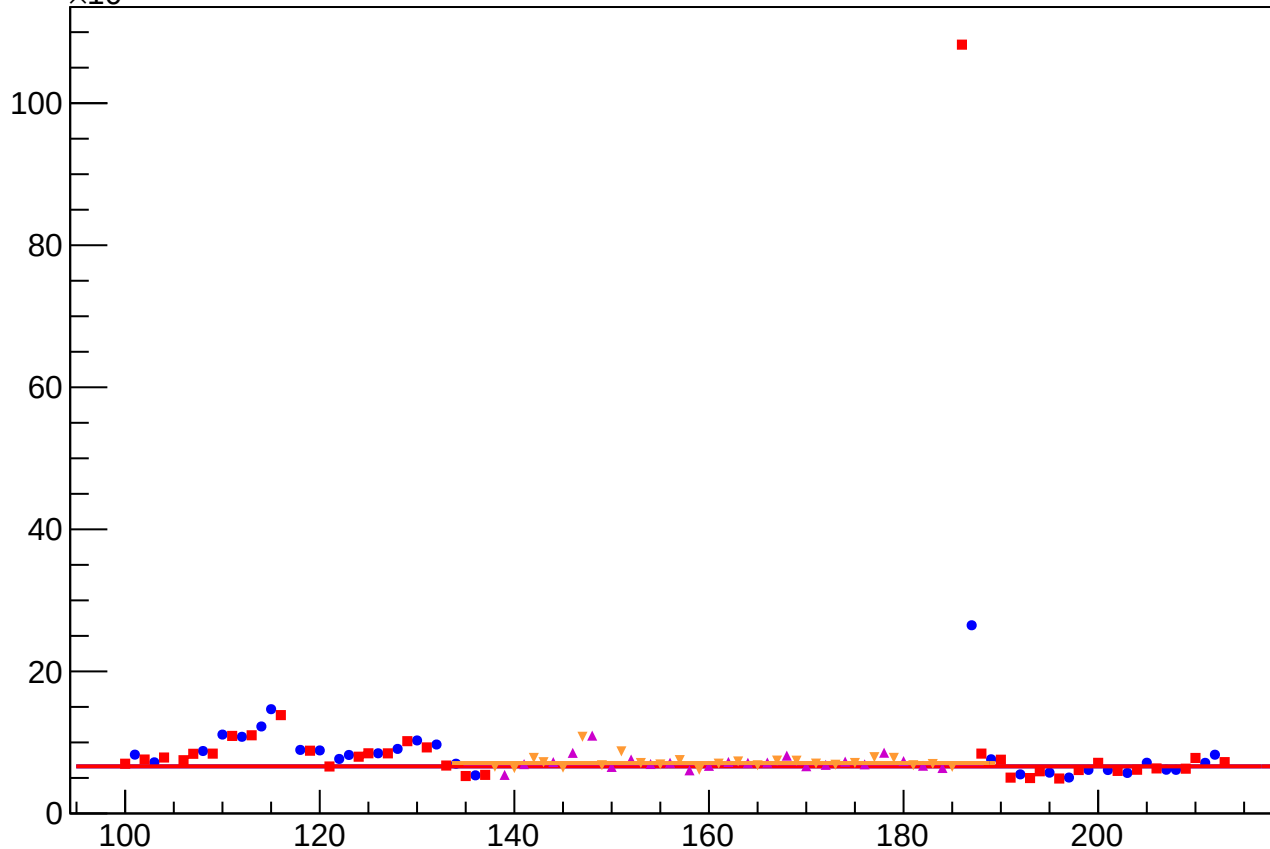
+ sign 2.089 ± 1.196 χ^2/NDF : 47.9/54

All: 2.432 ± 0.843 χ^2/NDF : 122.6/111

- sign 2.771 ± 1.189 χ^2/NDF : 74.6/56

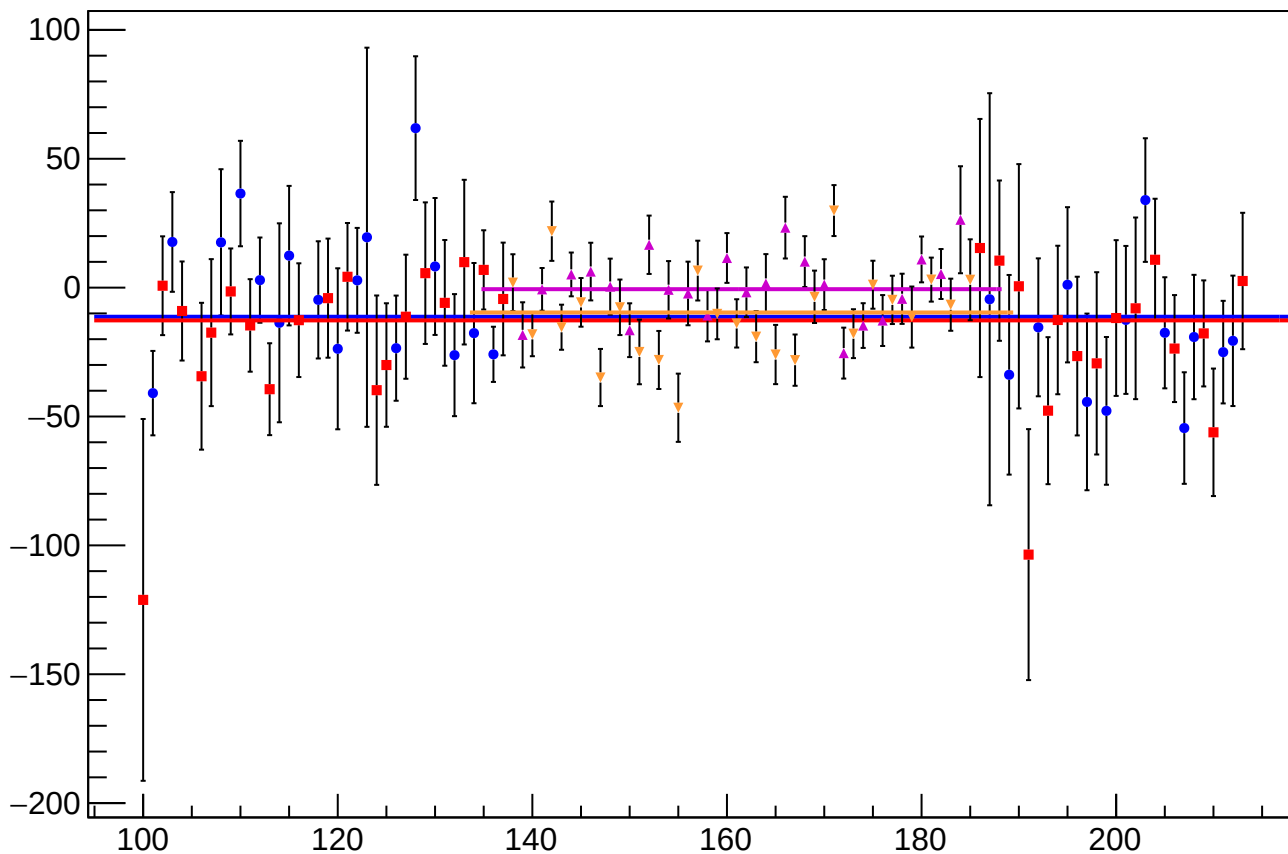
diff_bpm4acY_rms vs Slug

$\times 10^3$



Right In: 6627.267 ± 1.215 $\chi^2/\text{NDF}: 1604163.3/29$ + sign 6870.300 ± 0.846 $\chi^2/\text{NDF}: 2064307.2/54$
 Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$ All: 6848.999 ± 0.596 $\chi^2/\text{NDF}: 4818087.0/11$
 Right Out: 6631.117 ± 1.176 $\chi^2/\text{NDF}: 2154217.9/33$ - sign 6827.945 ± 0.841 $\chi^2/\text{NDF}: 2752518.8/56$
 Left In: 7033.702 ± 1.203 $\chi^2/\text{NDF}: 541035.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -11.294 ± 4.200 χ^2/NDF : 36.0/29

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -12.708 ± 4.199 χ^2/NDF : 22.0/33

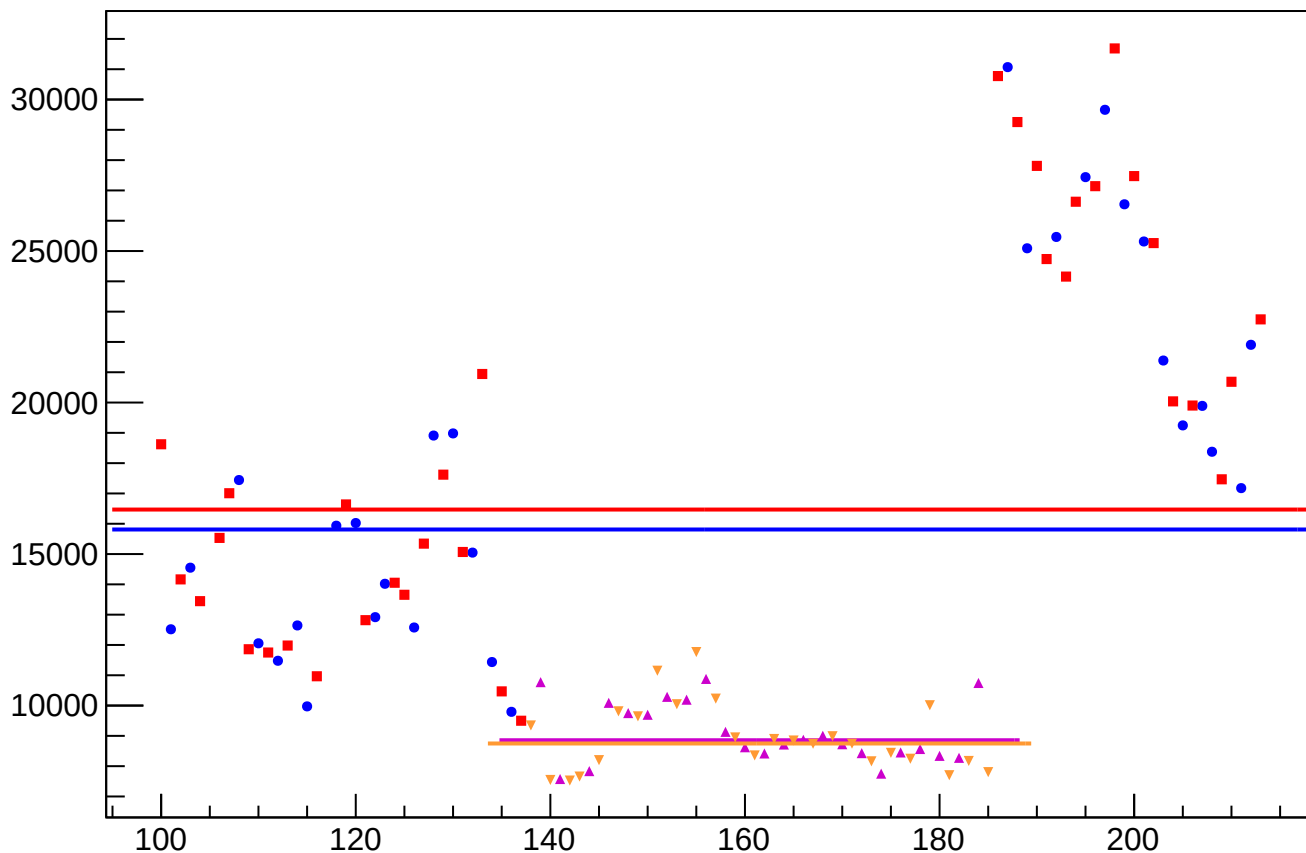
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.960 ± 1.848 χ^2/NDF : 93.7/54

All: -6.625 ± 1.326 χ^2/NDF : 158.7/111

- sign -3.086 ± 1.903 χ^2/NDF : 58.3/56

diff_bpm4ecX_rms vs Slug



Right In: 15810.578+/-2.970 χ^2/NDF : 3188644.5/29

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 16468.758+/-2.969 χ^2/NDF : 3627809.8/33

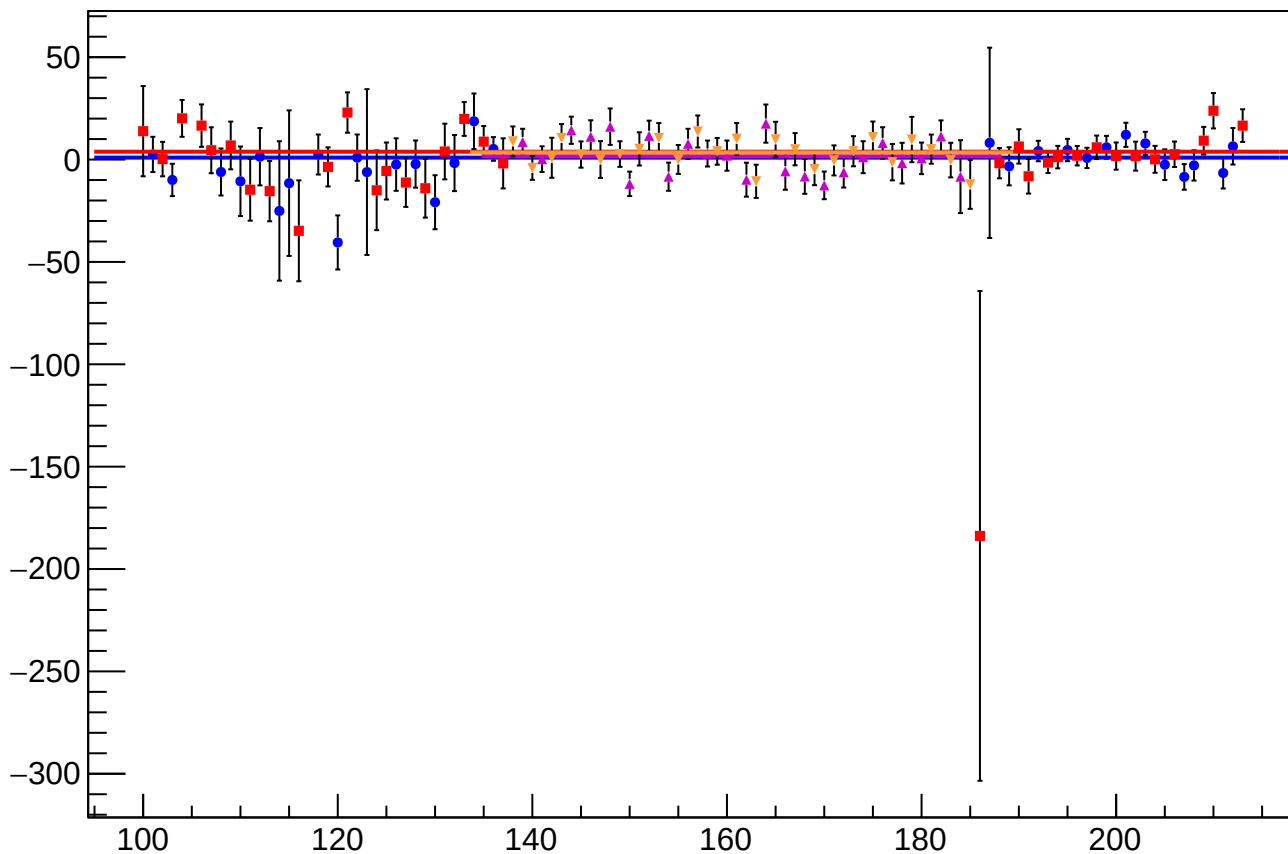
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 10114.918+/-1.306 χ^2/NDF : 8212429.6/54

All: 10262.576+/-0.937 χ^2/NDF : 17457259.4

- sign 10419.263+/-1.346 χ^2/NDF : 9218498.9/56

diff_bpm4ecY_mean vs Slug



Right In: 0.946 ± 1.504 χ^2/NDF : 29.7/29

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 3.835 ± 1.437 χ^2/NDF : 40.1/33

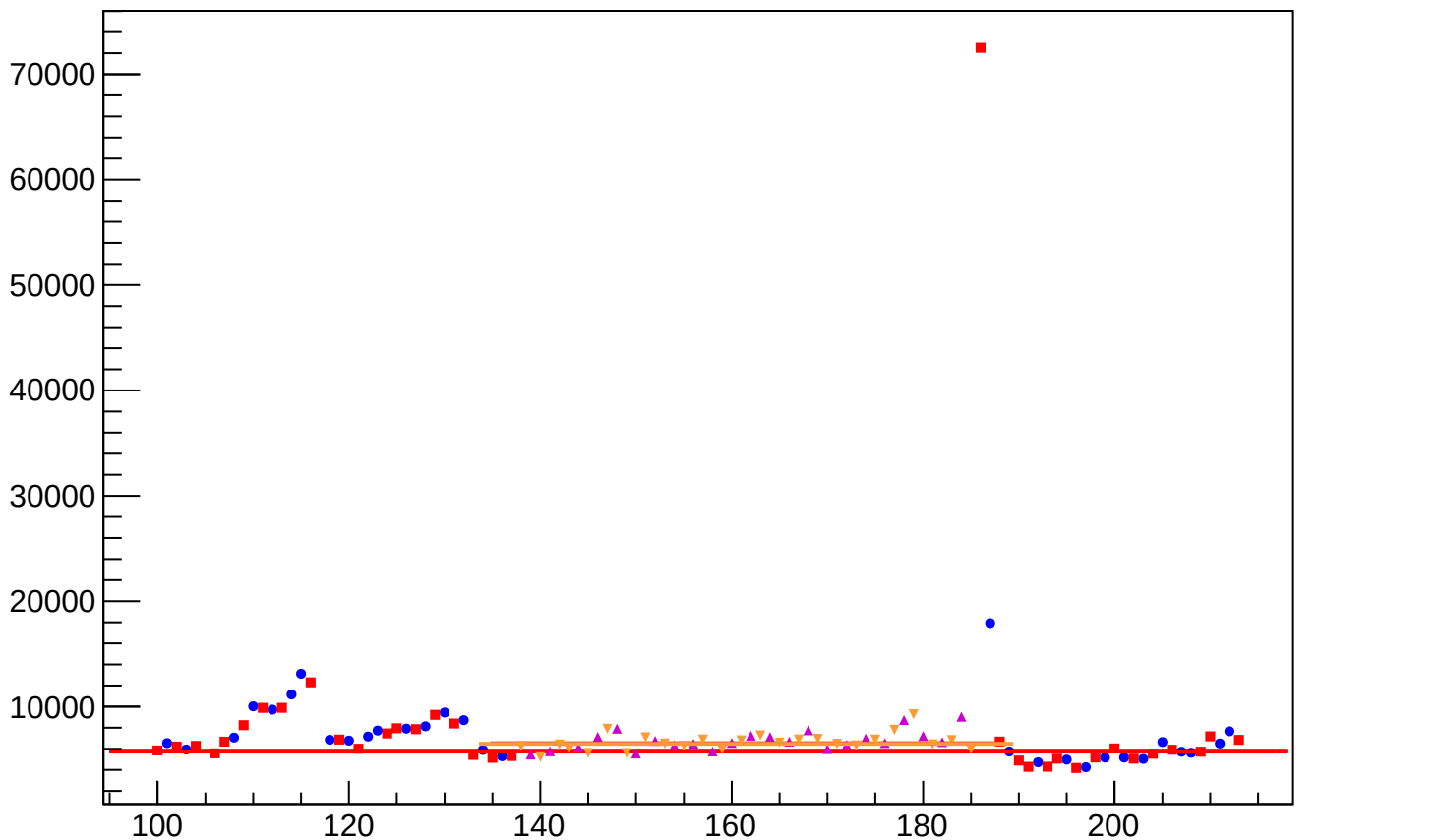
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.193 ± 1.071 χ^2/NDF : 46.8/54

All: 2.518 ± 0.754 χ^2/NDF : 121.9/111

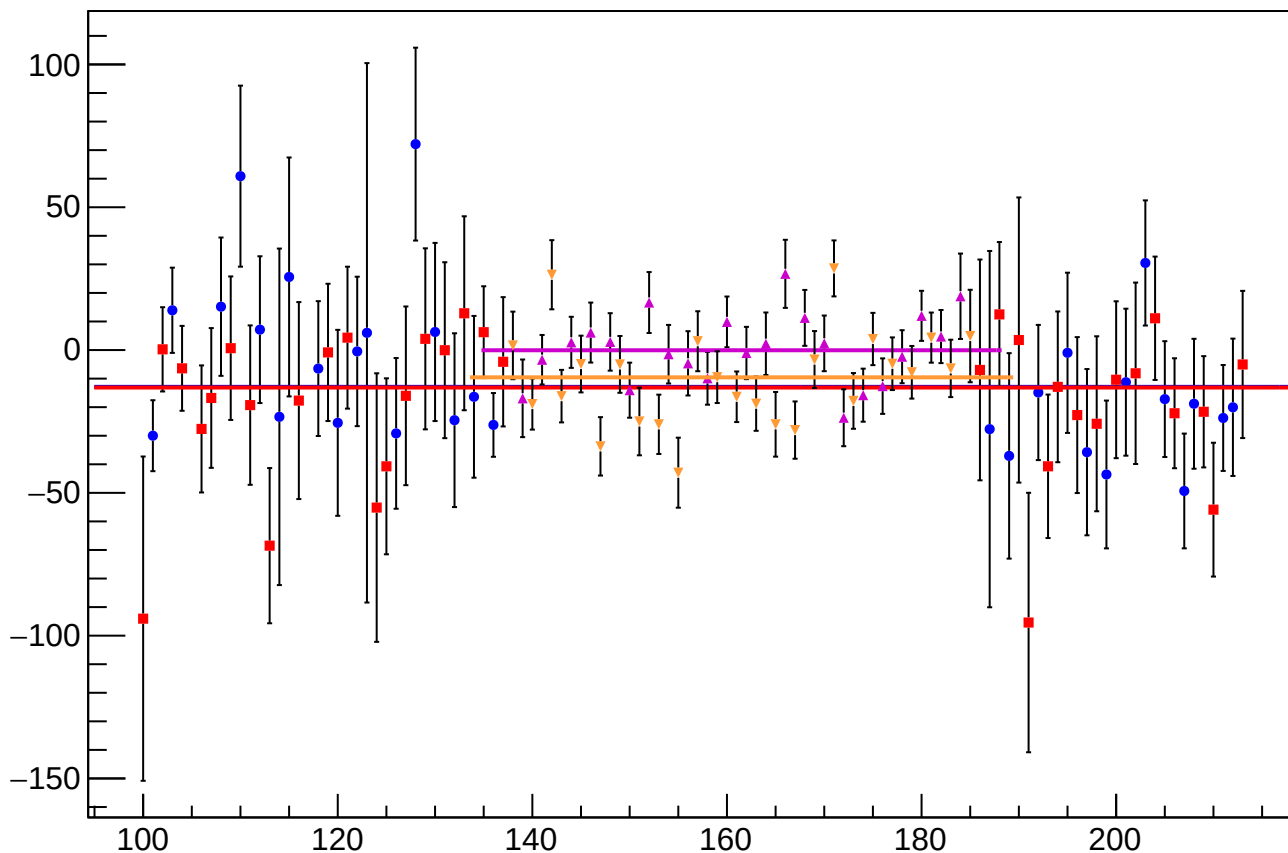
- sign 2.839 ± 1.063 χ^2/NDF : 74.9/56

diff_bpm4ecY_rms vs Slug



Right In: 5805.030+/-1.064 χ^2/NDF : 1603240.3/29 + sign 6134.099+/-0.757 χ^2/NDF : 2287495.2/54
 Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24 All: 6114.154+/-0.533 χ^2/NDF : 5261244.7/11
 Right Out: 5739.764+/-1.016 χ^2/NDF : 2223735.9/33 - sign 6094.509+/-0.751 χ^2/NDF : 2972372.0/56
 Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

diff_bpm1X_mean vs Slug



Right In: -12.888 ± 4.230 χ^2/NDF : 33.0/29

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -13.122 ± 4.285 χ^2/NDF : 24.1/33

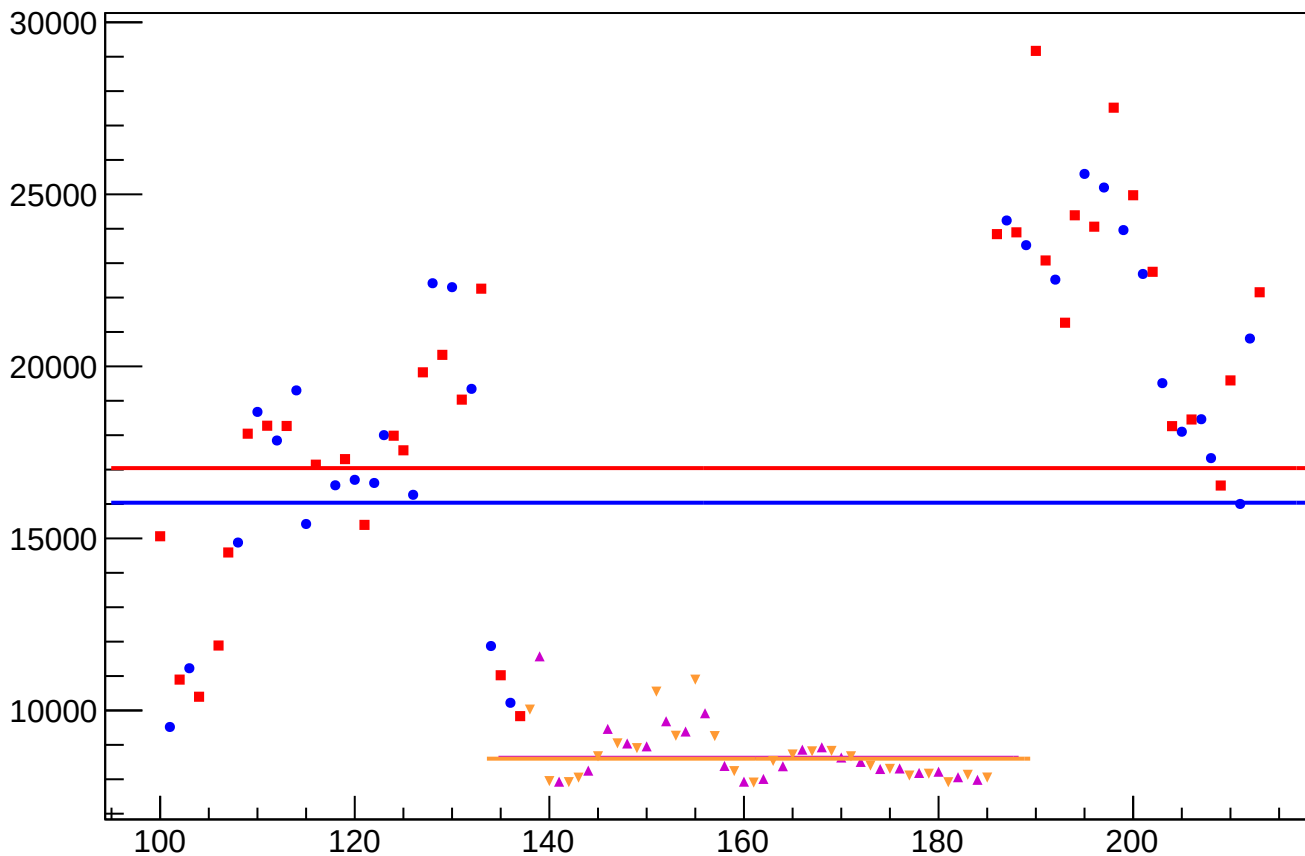
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -10.169 ± 1.817 χ^2/NDF : 93.1/54

All: -6.460 ± 1.302 χ^2/NDF : 163.1/111

- sign -2.547 ± 1.866 χ^2/NDF : 61.5/56

diff_bpm1X_rms vs Slug



Right In: 16037.611+/-2.991 χ^2/NDF : 2767192.3/29

Left Out: 8598.983+/-1.423 χ^2/NDF : 249070.5/24

Right Out: 17043.474+/-3.030 χ^2/NDF : 2766167.5/33

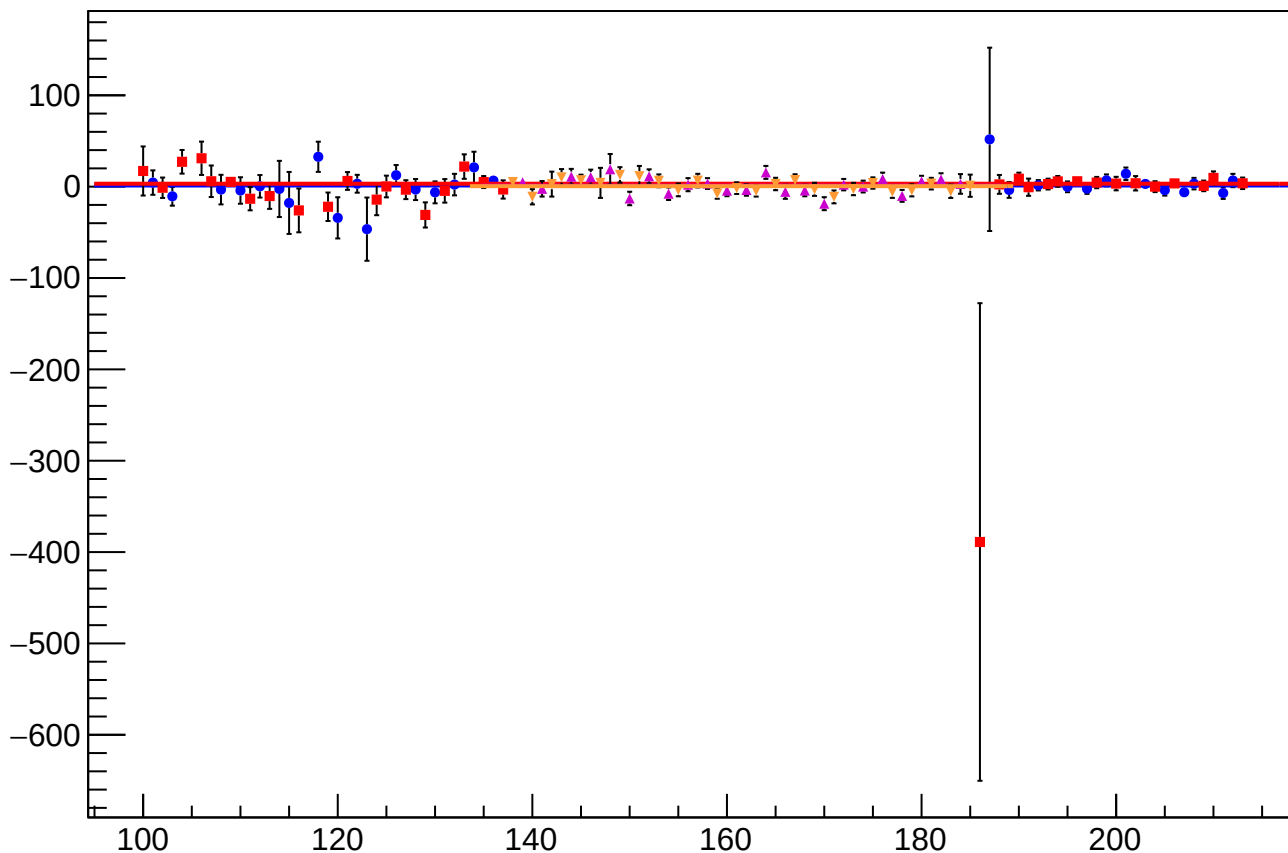
Left In: 8625.233+/-1.466 χ^2/NDF : 237310.9/22

+ sign 9971.193+/-1.285 χ^2/NDF : 8060446.2/54

All: 10093.111+/-0.920 χ^2/NDF : 17338877.9

- sign 10221.710+/-1.319 χ^2/NDF : 9259924.3/56

diff_bpm1Y_mean vs Slug



Right In: 1.282 $\pm$ 1.499 χ^2 /NDF: 24.7/29

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.210 $\pm$ 1.407 χ^2 /NDF: 28.5/33

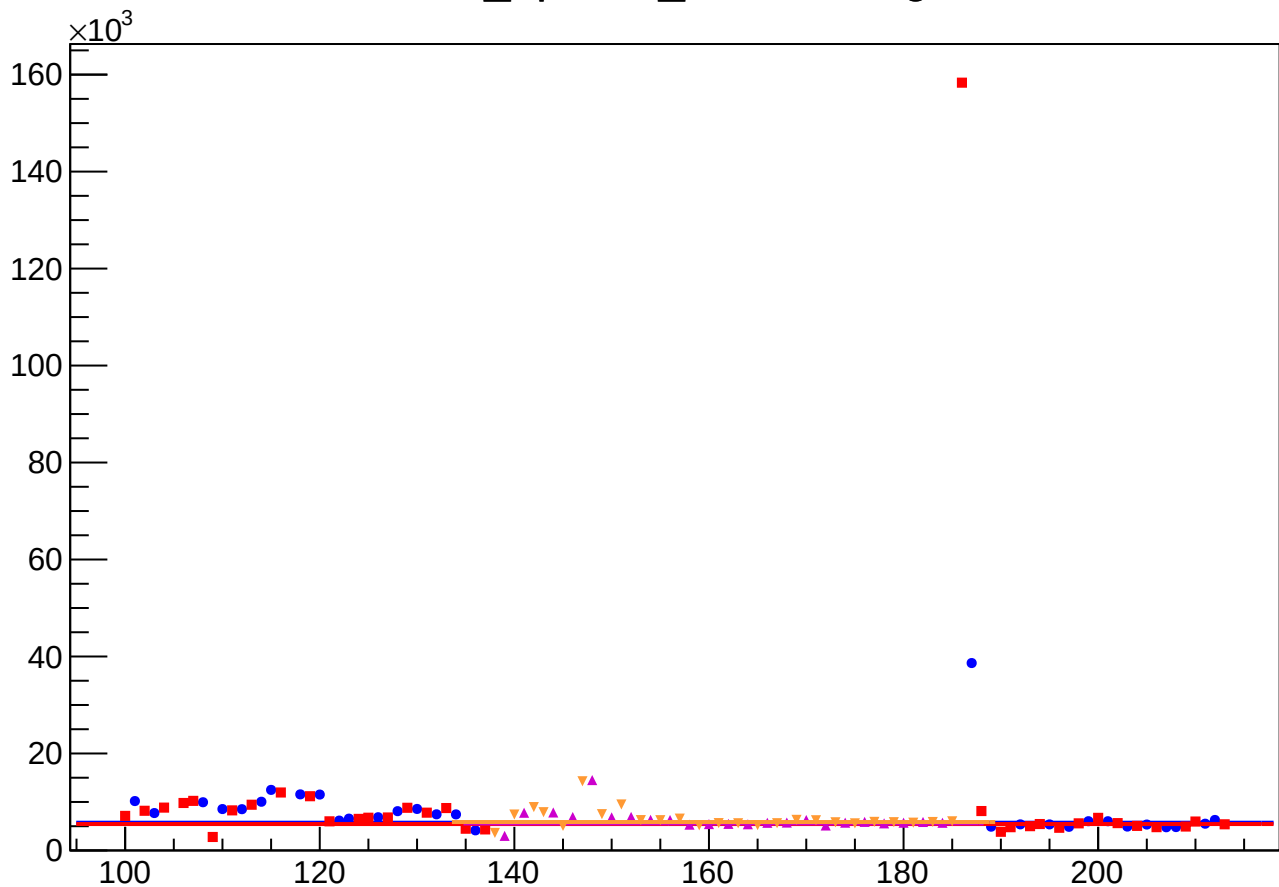
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.884 $\pm$ 1.030 χ^2 /NDF: 44.3/54

All: 1.526 $\pm$ 0.714 χ^2 /NDF: 107.3/111

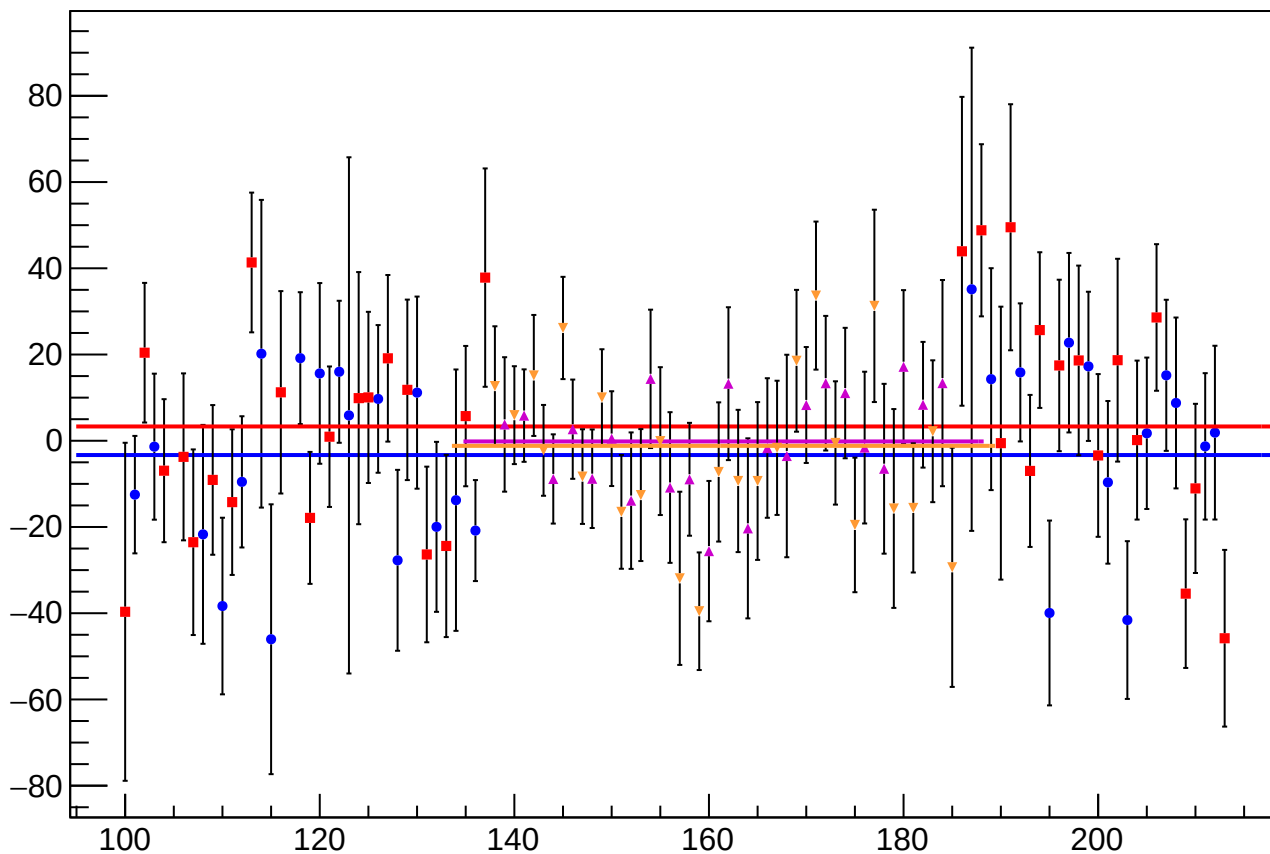
- sign 2.121 $\pm$ 0.991 χ^2 /NDF: 62.2/56

diff_bpm1Y_rms vs Slug



Right In: 5722.541 $\pm$ 1.060	χ^2/NDF : 2110132.5/29	+ sign 5795.428 $\pm$ 0.728	χ^2/NDF : 3809137.1/54
Left Out: 5860.605 $\pm$ 1.002	χ^2/NDF : 1690049.2/24	All: 5646.518 $\pm$ 0.505	χ^2/NDF : 9522592.8/11
Right Out: 5445.005 $\pm$ 0.995	χ^2/NDF : 3462052.7/33	- sign 5508.696 $\pm$ 0.701	χ^2/NDF : 5632966.2/56
Left In: 5571.330 $\pm$ 0.987	χ^2/NDF : 2162788.3/22		

diff_bpm11X_mean vs Slug



Right In: -3.313 ± 3.483 χ^2/NDF : 30.6/29

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 3.314 ± 3.374 χ^2/NDF : 46.4/33

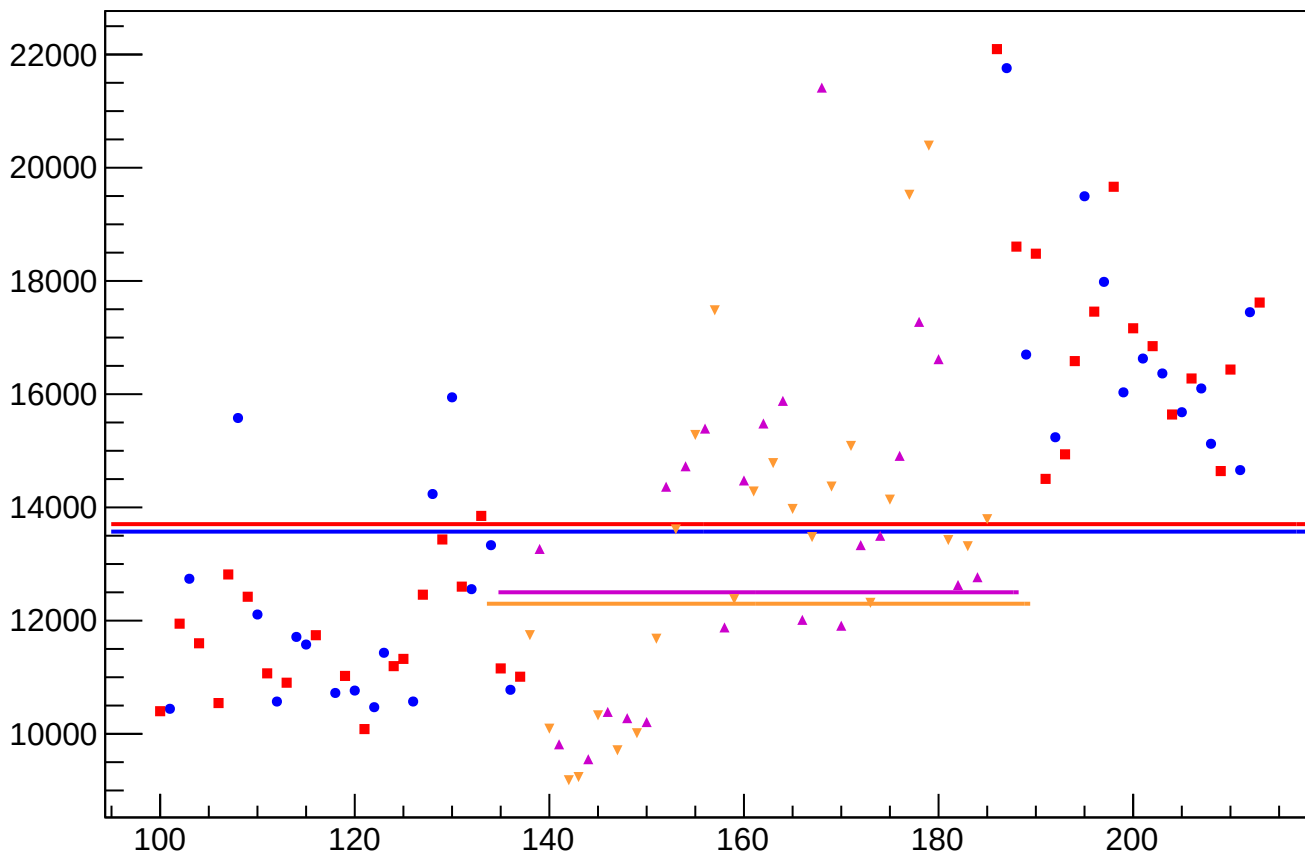
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.068 ± 2.246 χ^2/NDF : 64.5/54

All: -0.345 ± 1.595 χ^2/NDF : 124.2/111

- sign 1.408 ± 2.266 χ^2/NDF : 58.5/56

diff_bpm11X_rms vs Slug



Right In: 13572.364+/-2.463 χ^2/NDF : 1249758.7/29

Left Out: 12298.676+/-2.078 χ^2/NDF : 1506026.8/24

Right Out: 13704.527+/-2.386 χ^2/NDF : 1394644.3/33

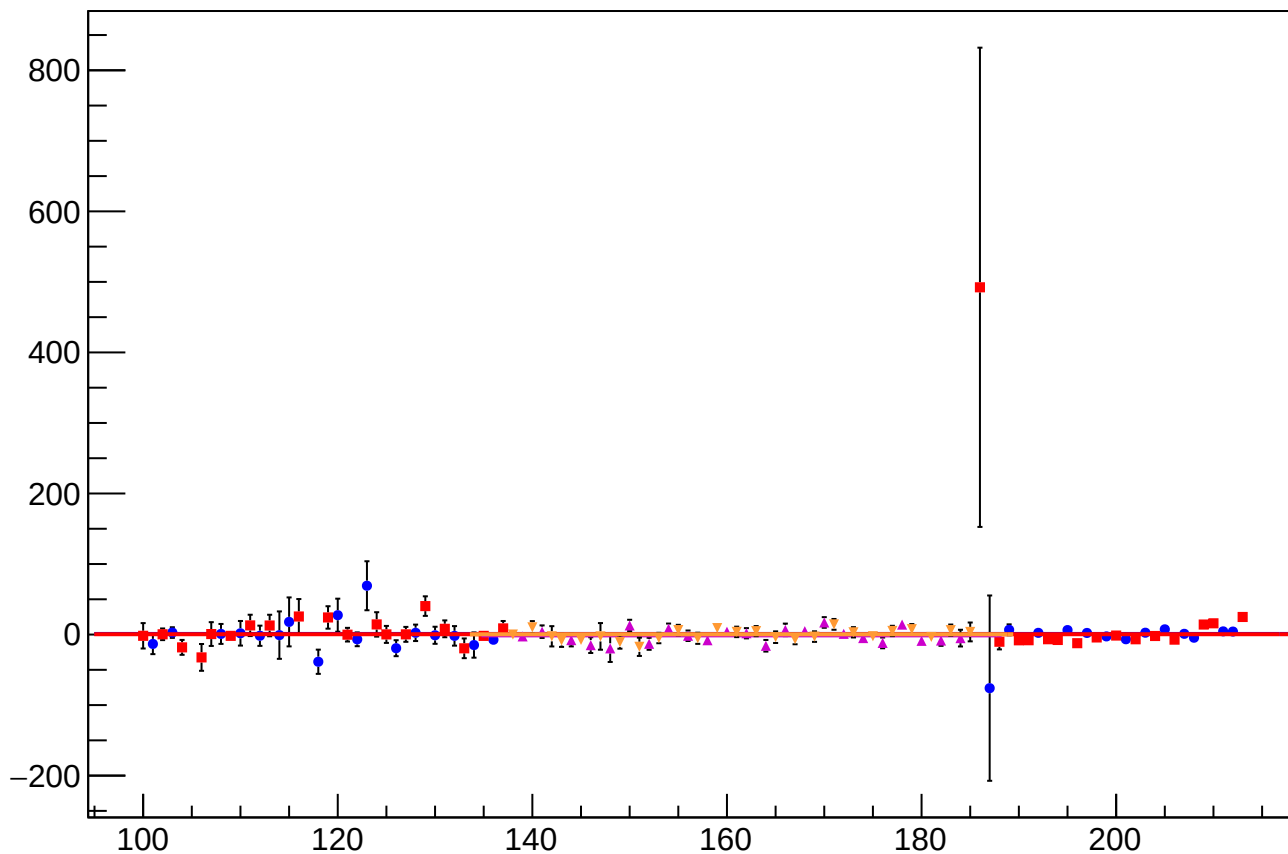
Left In: 12500.795+/-2.162 χ^2/NDF : 1357889.1/22

+ sign 12828.388+/-1.588 χ^2/NDF : 2912020.7/54

All: 12935.058+/-1.128 χ^2/NDF : 5813401.2/100

- sign 13043.621+/-1.602 χ^2/NDF : 2892278.6/56

diff_bpm11Y_mean vs Slug



Right In: 0.864 ± 1.226 χ^2/NDF : 29.5/29

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 0.468 ± 1.199 χ^2/NDF : 90.8/33

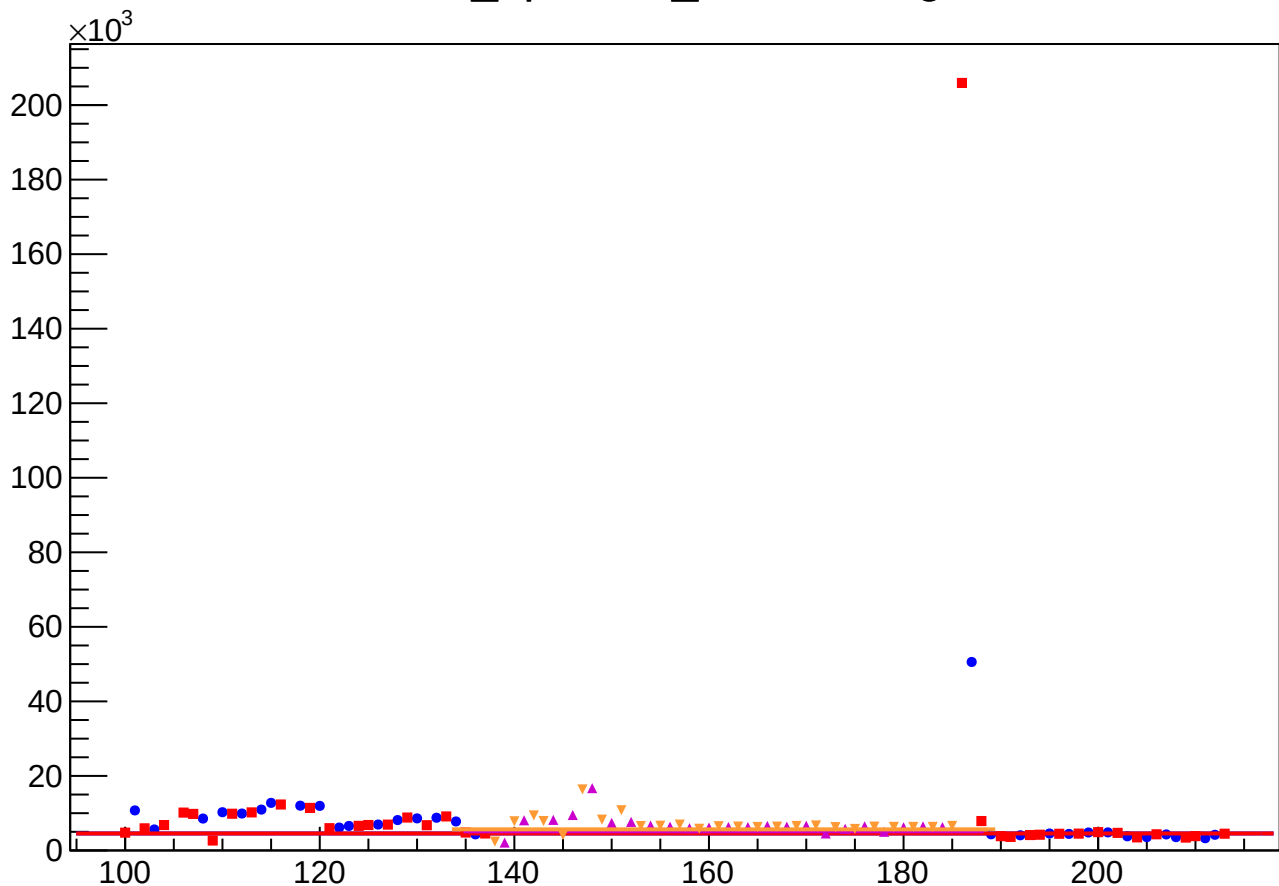
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.648 ± 0.932 χ^2/NDF : 48.7/54

All: 0.190 ± 0.648 χ^2/NDF : 174.3/111

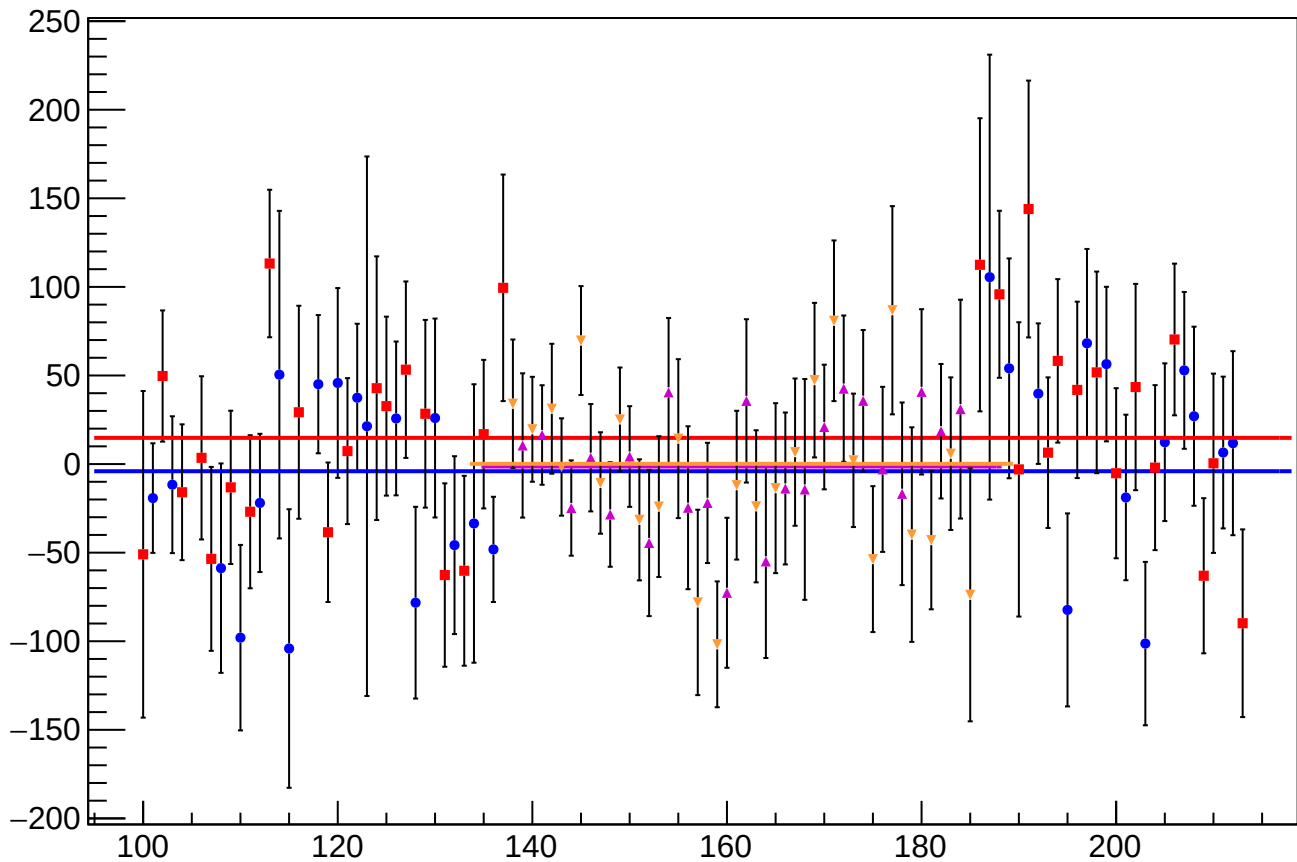
- sign -0.239 ± 0.902 χ^2/NDF : 125.2/56

diff_bpm11Y_rms vs Slug



Right In: 4562.130 ± 0.867 $\chi^2/\text{NDF}: 3436381.3/29$ + sign 5025.760 ± 0.659 $\chi^2/\text{NDF}: 8241820.2/54$
 Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$ All: 4913.658 ± 0.458 $\chi^2/\text{NDF}: 17956106.2/100$
 Right Out: 4556.997 ± 0.847 $\chi^2/\text{NDF}: 3959194.1/33$ - sign 4808.491 ± 0.638 $\chi^2/\text{NDF}: 9658172.9/56$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

diff_bpm12X_mean vs Slug



Right In: -4.036 ± 8.693 $\chi^2/\text{NDF}: 31.2/29$

Left Out: 0.143 ± 7.683 $\chi^2/\text{NDF}: 31.3/24$

Right Out: 14.789 ± 8.431 $\chi^2/\text{NDF}: 38.2/33$

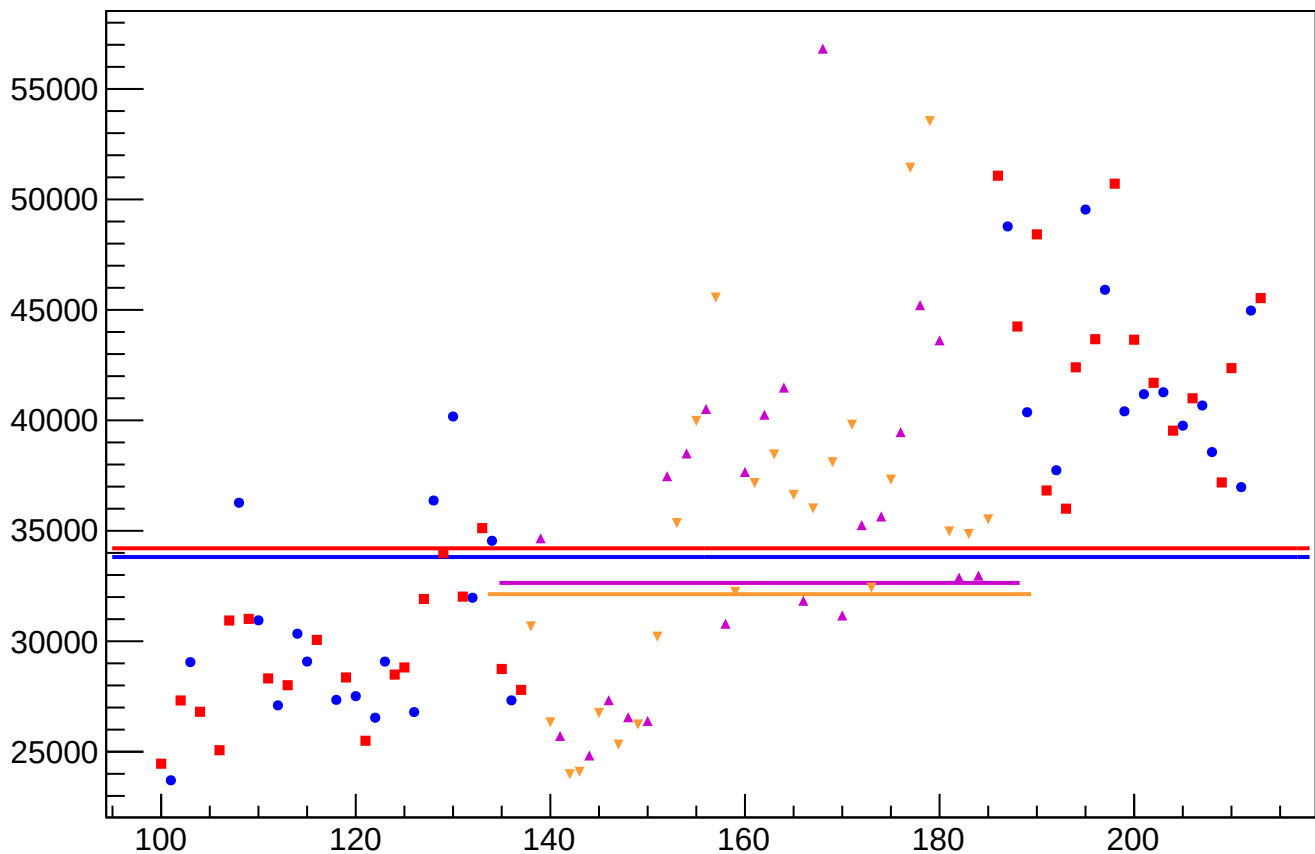
Left In: -1.374 ± 7.990 $\chi^2/\text{NDF}: 13.3/22$

+ sign -1.690 ± 5.757 $\chi^2/\text{NDF}: 62.6/54$

All: 2.262 ± 4.086 $\chi^2/\text{NDF}: 117.0/111$

- sign 6.274 ± 5.800 $\chi^2/\text{NDF}: 53.4/56$

diff_bpm12X_rms vs Slug



Right In: 33812.082 $\pm$ 6.147 χ^2 /NDF: 1341350.9/29

Left Out: 32132.314 $\pm$ 5.433 χ^2 /NDF:1540079.4/24

Right Out: 34208.018 $\pm$ 5.962 χ^2 /NDF: 1467161.1/33

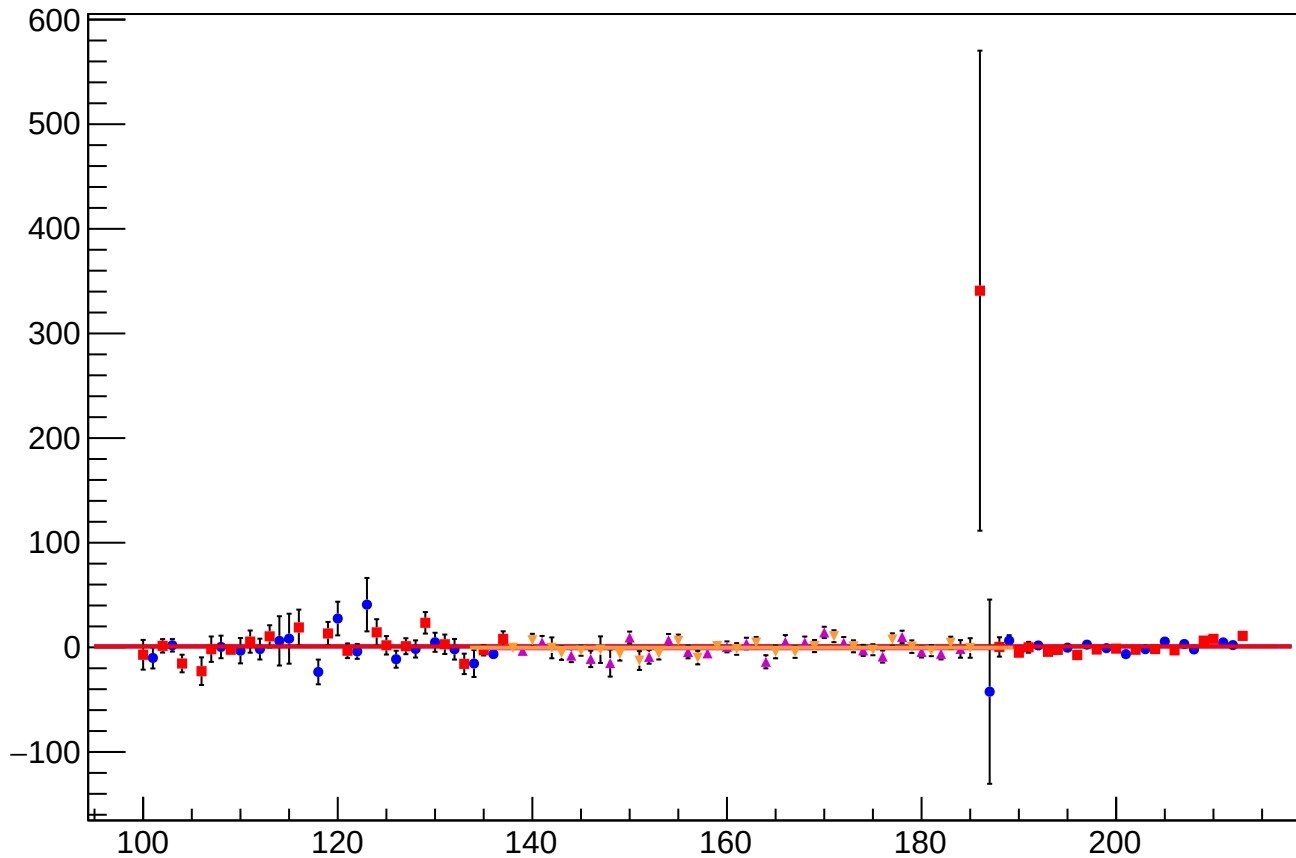
Left In: 32641.162 $\pm$ 5.650 χ^2 /NDF:1402162.4/22

+ sign 32869.005 $\pm$ 4.071 χ^2 /NDF: 2923355.3/54

All: 33123.868 $\pm$ 2.889 χ^2 /NDF: 5836965.2/100

- sign 33382.526 $\pm$ 4.101 χ^2 /NDF: 2905712.2/56

diff_bpm12Y_mean vs Slug



Right In: 0.933 ± 0.731 χ^2/NDF : 38.6/29

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 0.834 ± 0.745 χ^2/NDF : 73.4/33

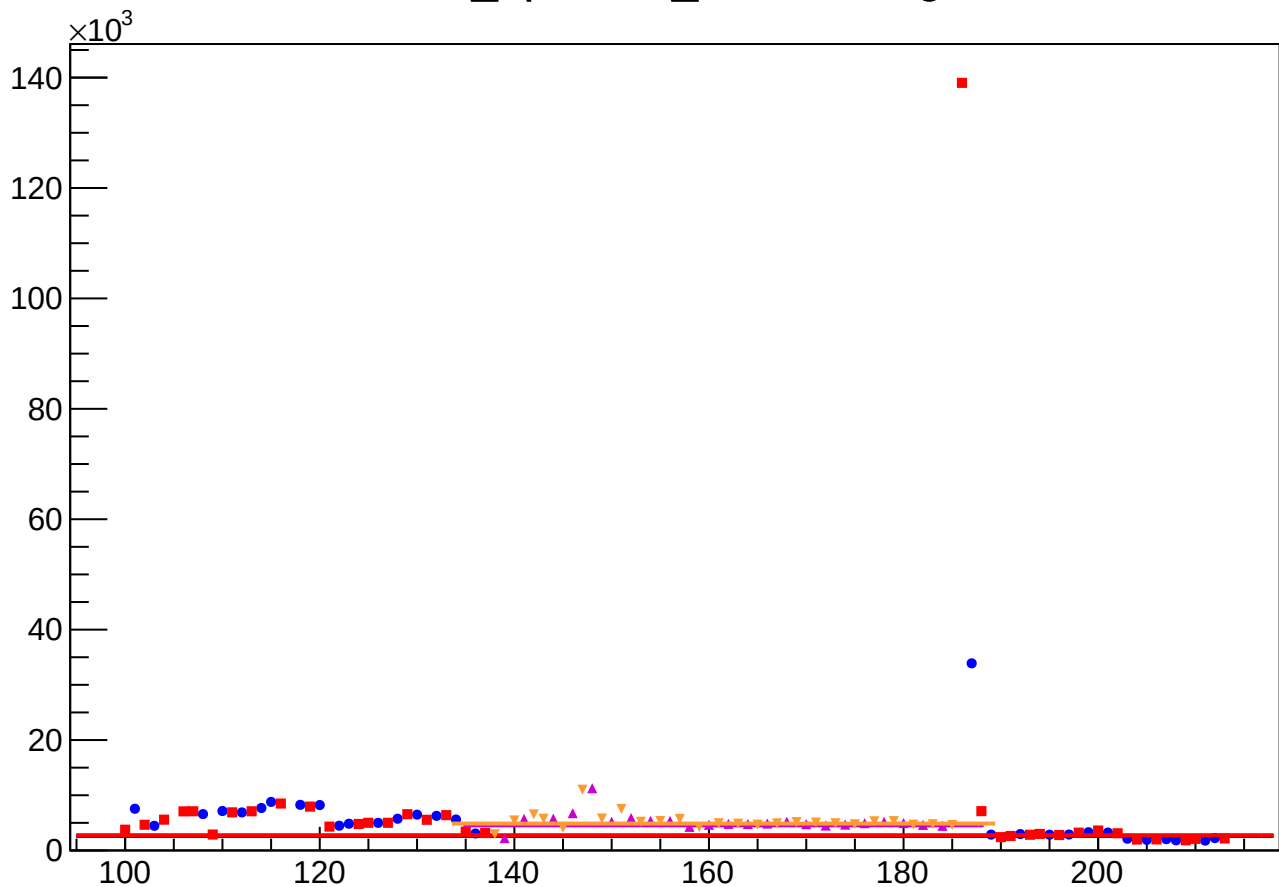
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 0.584 ± 0.620 χ^2/NDF : 57.1/54

All: 0.450 ± 0.440 χ^2/NDF : 168.3/111

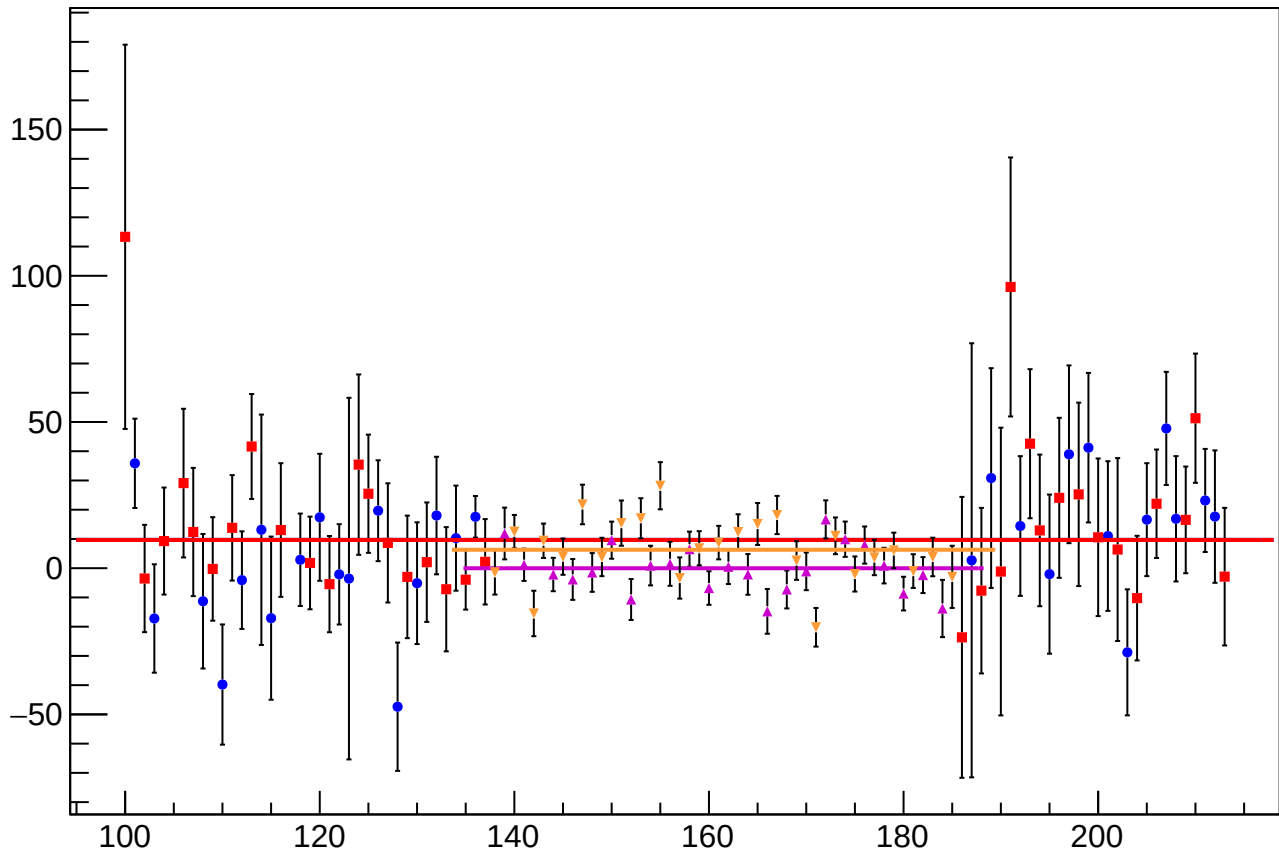
- sign 0.314 ± 0.624 χ^2/NDF : 111.2/56

diff_bpm12Y_rms vs Slug



Right In: 2625.303 ± 0.517 $\chi^2/\text{NDF}: 5354841.3/29$ + sign 3253.670 ± 0.438 $\chi^2/\text{NDF}: 12143607.8/54$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 3272.862 ± 0.311 $\chi^2/\text{NDF}: 24037507.3/1$
 Right Out: 2759.747 ± 0.527 $\chi^2/\text{NDF}: 5830305.5/33$ - sign 3292.292 ± 0.441 $\chi^2/\text{NDF}: 11890044.3/56$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 9.692 ± 3.475 χ^2/NDF : 34.1/29

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 9.664 ± 3.577 χ^2/NDF : 25.0/33

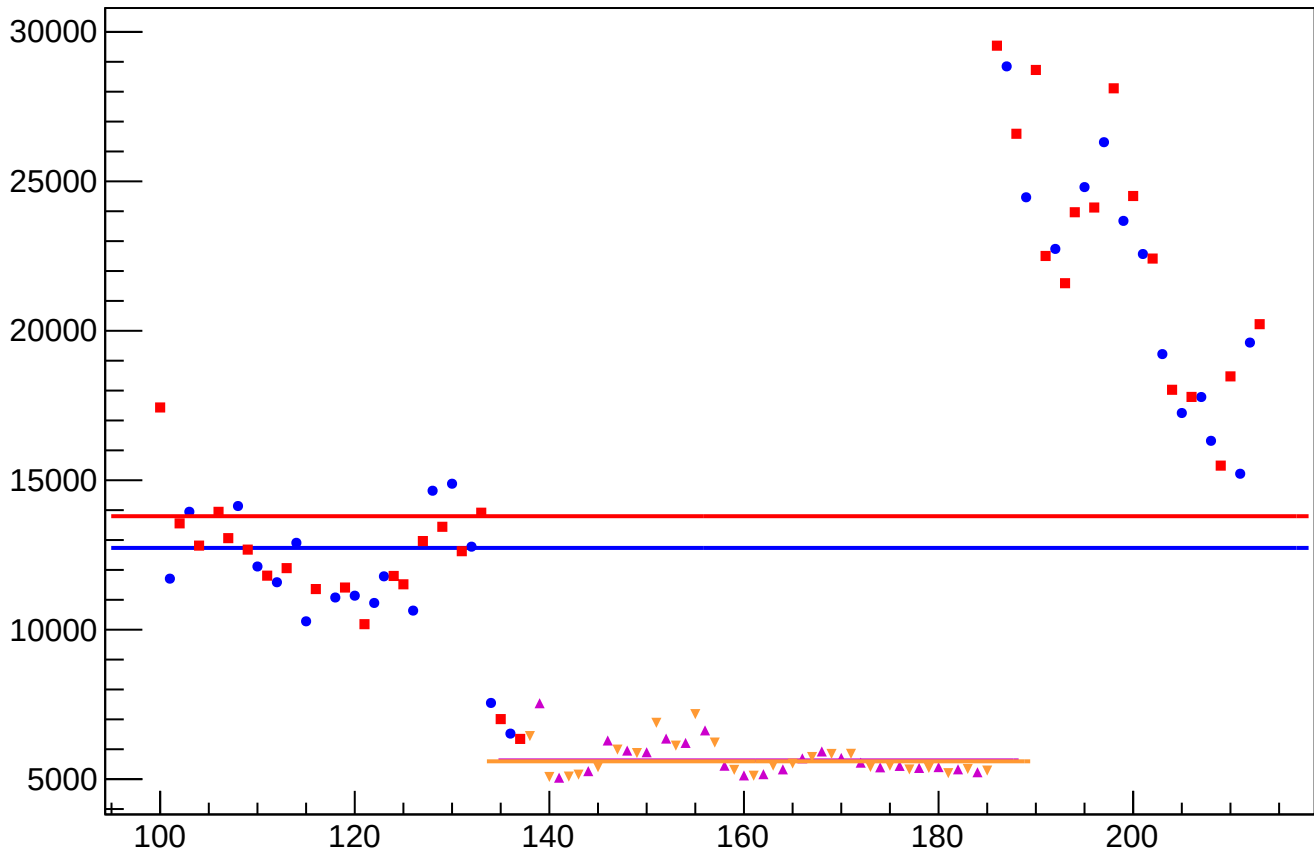
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.718 ± 1.226 χ^2/NDF : 91.5/54

All: 4.043 ± 0.881 χ^2/NDF : 162.6/111

- sign 1.192 ± 1.266 χ^2/NDF : 61.3/56

diff_bpm16X_rms vs Slug



Right In: 12735.857+/-2.457 χ^2/NDF : 4665540.8/29

Left Out: 5596.370+/-0.926 χ^2/NDF :283998.1/24

Right Out: 13796.946+/-2.529 χ^2/NDF : 4653071.5/33

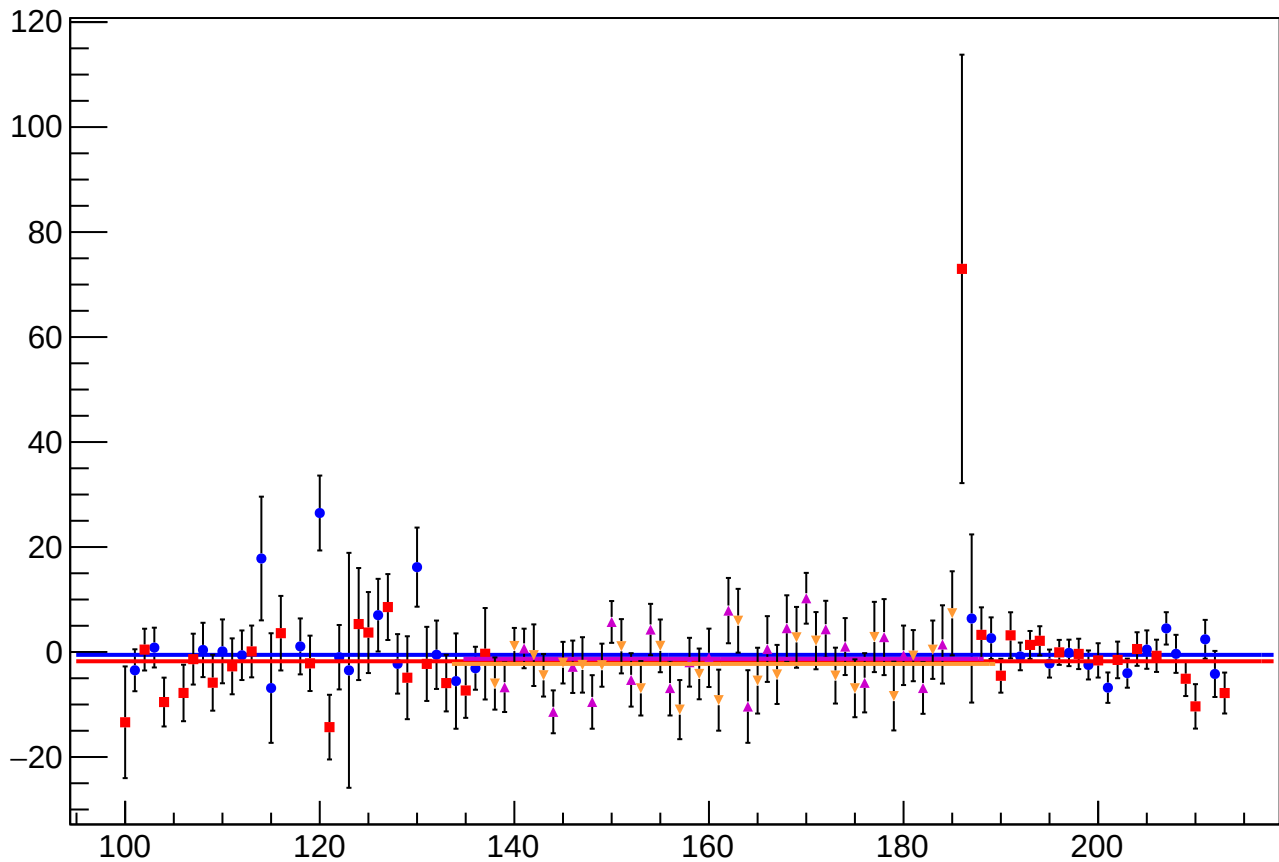
Left In: 5627.283+/-0.957 χ^2/NDF :279318.7/22

+ sign 6484.849+/-0.867 χ^2/NDF : 12340145.3/54

All: 6564.888+/-0.623 χ^2/NDF : 26419033.9/100

- sign 6650.181+/-0.895 χ^2/NDF : 14061279.1/56

diff_bpm16Y_mean vs Slug



Right In: -0.540 ± 0.750 χ^2/NDF : 36.9/29

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.764 ± 0.724 χ^2/NDF : 35.2/33

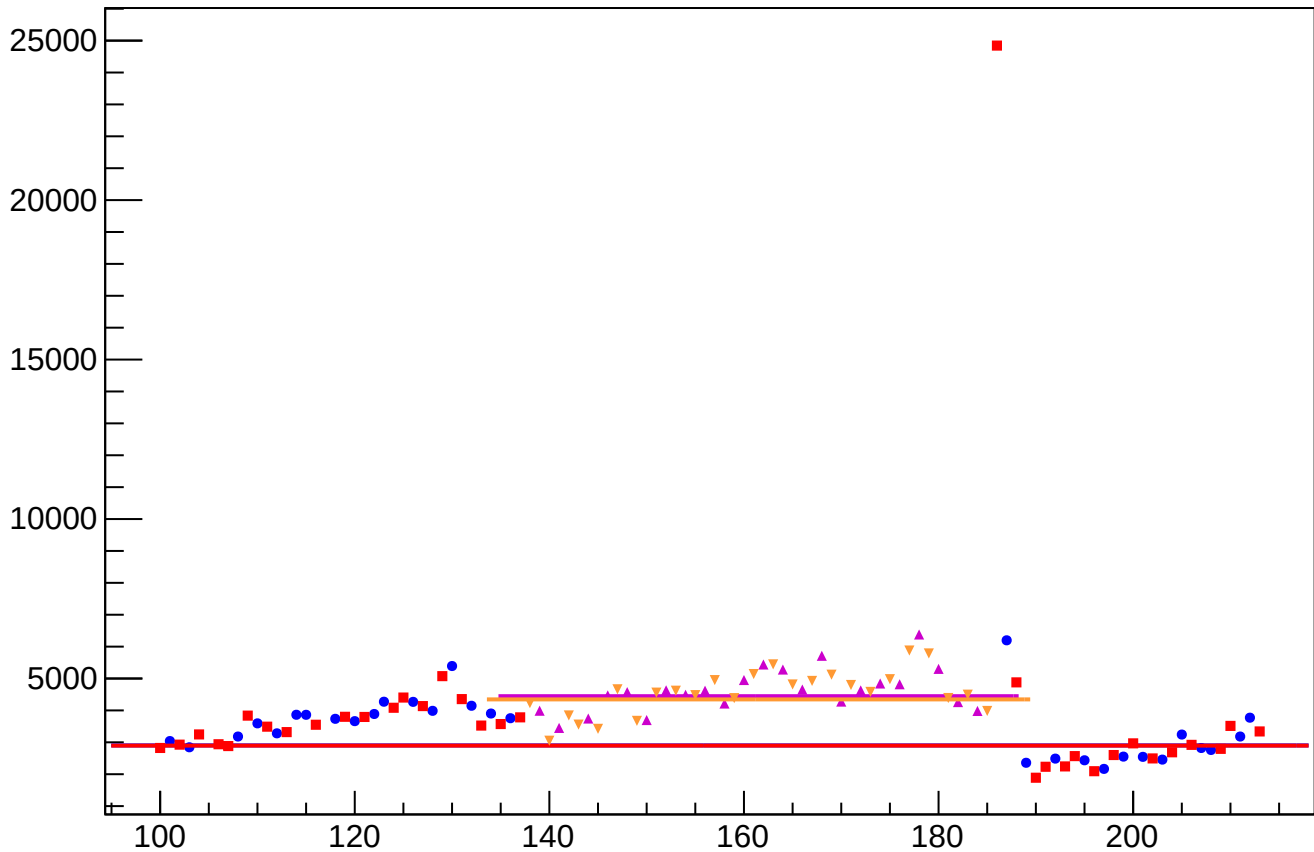
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.139 ± 0.606 χ^2/NDF : 54.1/54

All: -1.382 ± 0.427 χ^2/NDF : 120.6/111

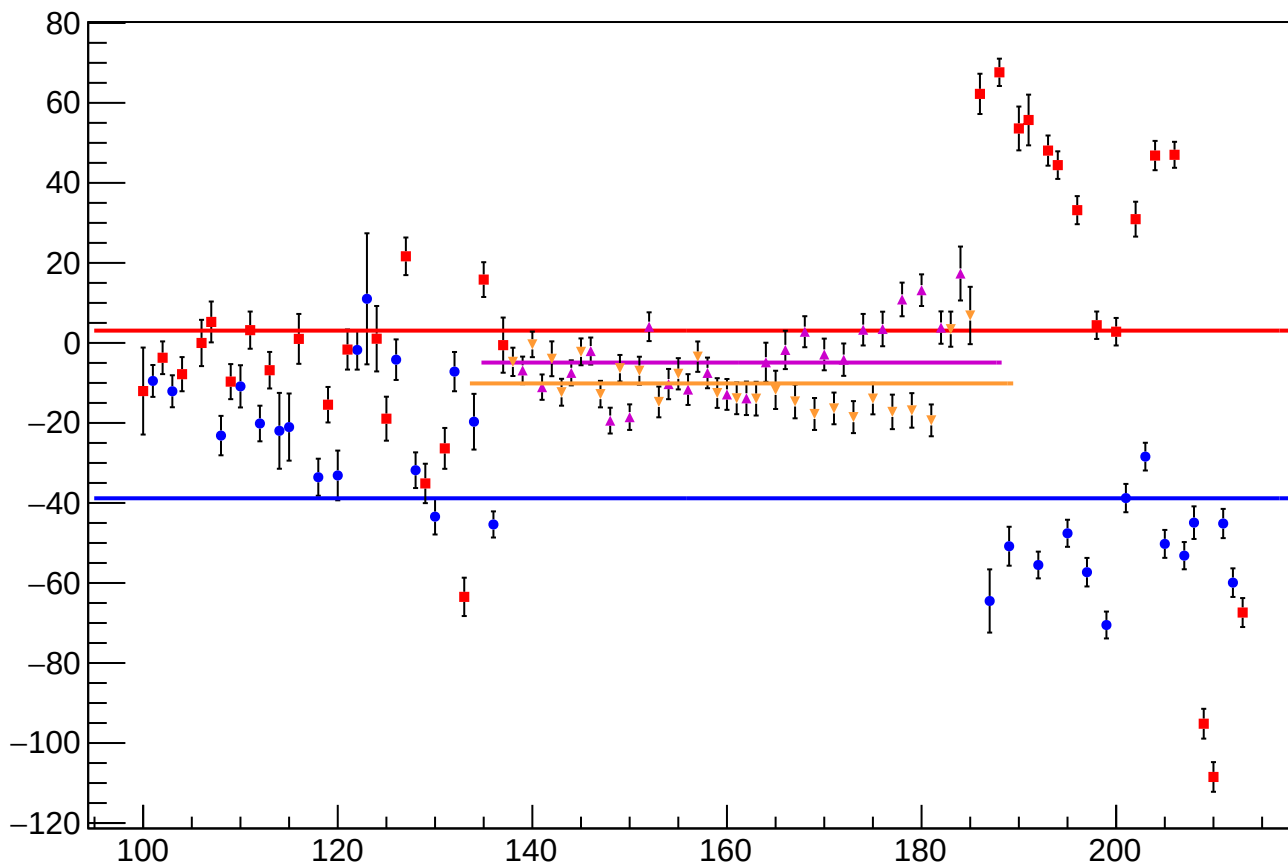
- sign -1.621 ± 0.601 χ^2/NDF : 66.1/56

diff_bpm16Y_rms vs Slug



Right In: 2902.877+/-0.530	χ^2/NDF : 1390698.9/29	+ sign 3403.159+/-0.429	χ^2/NDF : 4956413.5/54
Left Out: 4345.381+/-0.728	χ^2/NDF : 1000636.1/24	All: 3391.025+/-0.302	χ^2/NDF : 10850029.0/1
Right Out: 2896.594+/-0.512	χ^2/NDF : 2338418.2/33	- sign 3379.101+/-0.425	χ^2/NDF : 5892026.9/56
Left In: 4446.181+/-0.762	χ^2/NDF : 702797.6/22		

diff_bpm0l01X_mean vs Slug



Right In: -38.831 ± 0.781 χ^2/NDF : 575.5/29

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 3.076 ± 0.750 χ^2/NDF : 3726.1/33

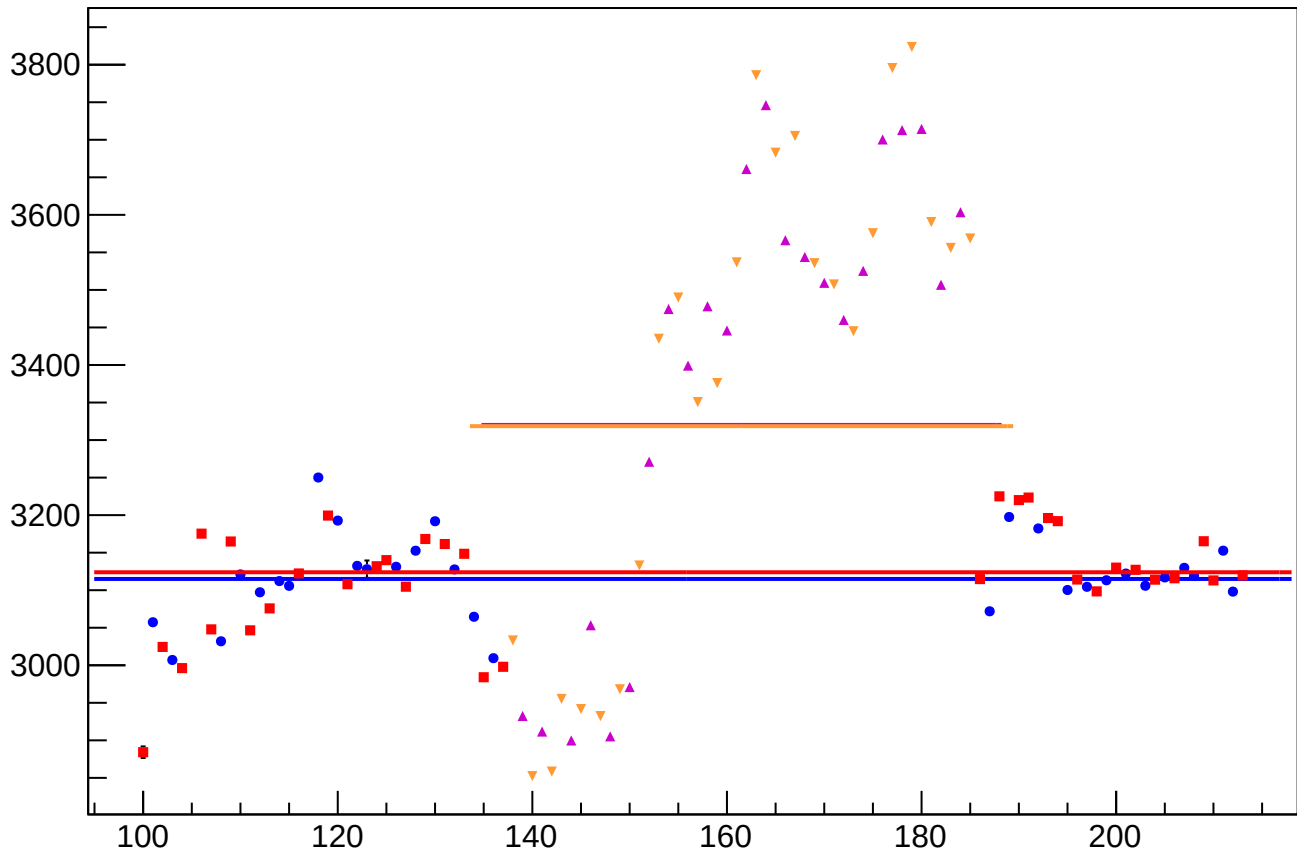
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -24.375 ± 0.550 χ^2/NDF : 1323.7/54

All: -12.440 ± 0.388 χ^2/NDF : 6165.1/111

- sign -0.676 ± 0.546 χ^2/NDF : 3907.3/56

diff_bpm0l01X_rms vs Slug



Right In: 3114.989 $\pm$ 0.552 χ^2 /NDF: 9311.1/29

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3123.909 $\pm$ 0.531 χ^2 /NDF: 14021.5/33

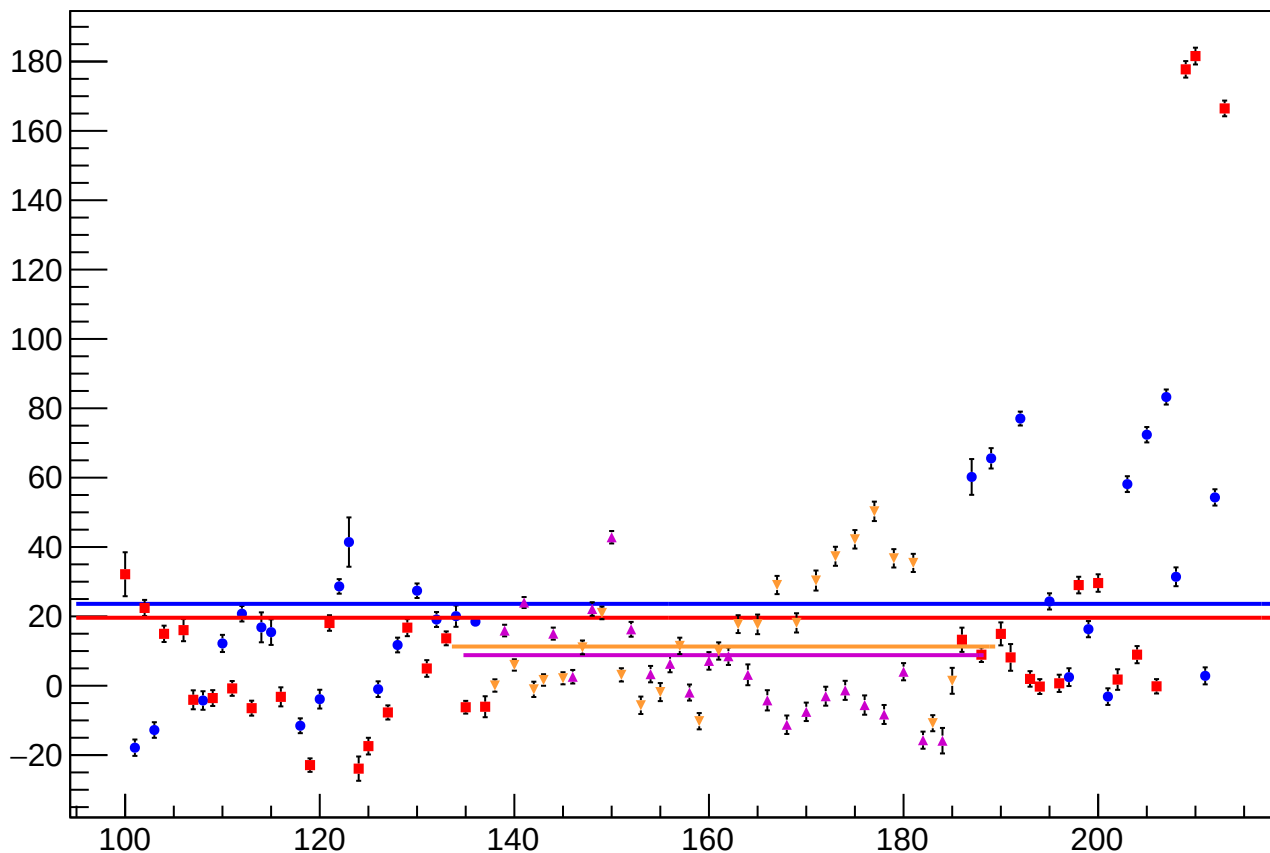
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3217.479 $\pm$ 0.389 χ^2 /NDF: 415388.9/54

All: 3216.785 $\pm$ 0.274 χ^2 /NDF: 781339.7/111

- sign 3216.101 $\pm$ 0.386 χ^2 /NDF: 365944.5/56

diff_bpm0l01Y_mean vs Slug



Right In: 23.609 $\pm$ 0.433 χ^2 /NDF: 4148.4/29

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 19.602 $\pm$ 0.417 χ^2 /NDF: 15366.7/33

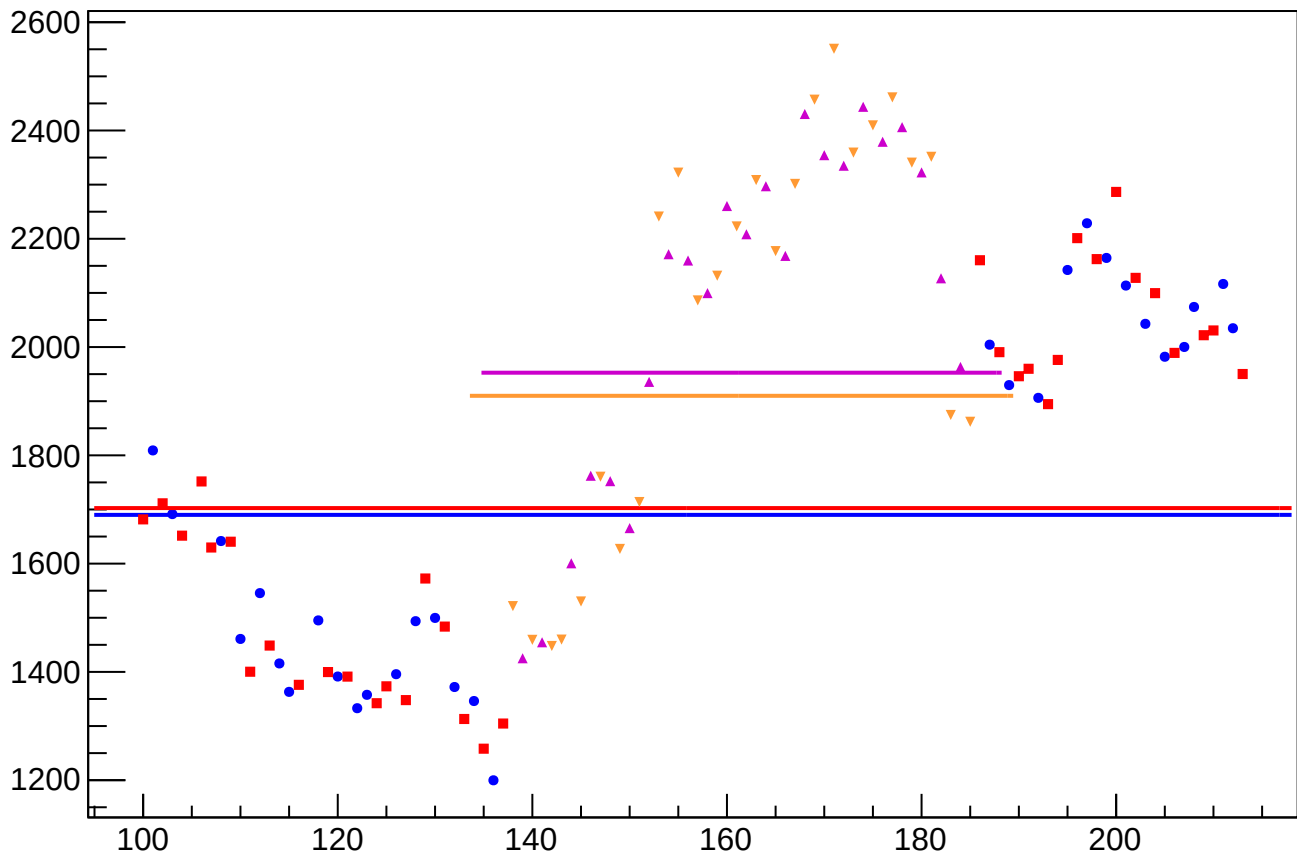
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 17.751 $\pm$ 0.313 χ^2 /NDF: 5677.7/54

All: 16.334 $\pm$ 0.222 χ^2 /NDF: 22318.7/111

- sign 14.915 $\pm$ 0.313 χ^2 /NDF: 16600.0/56

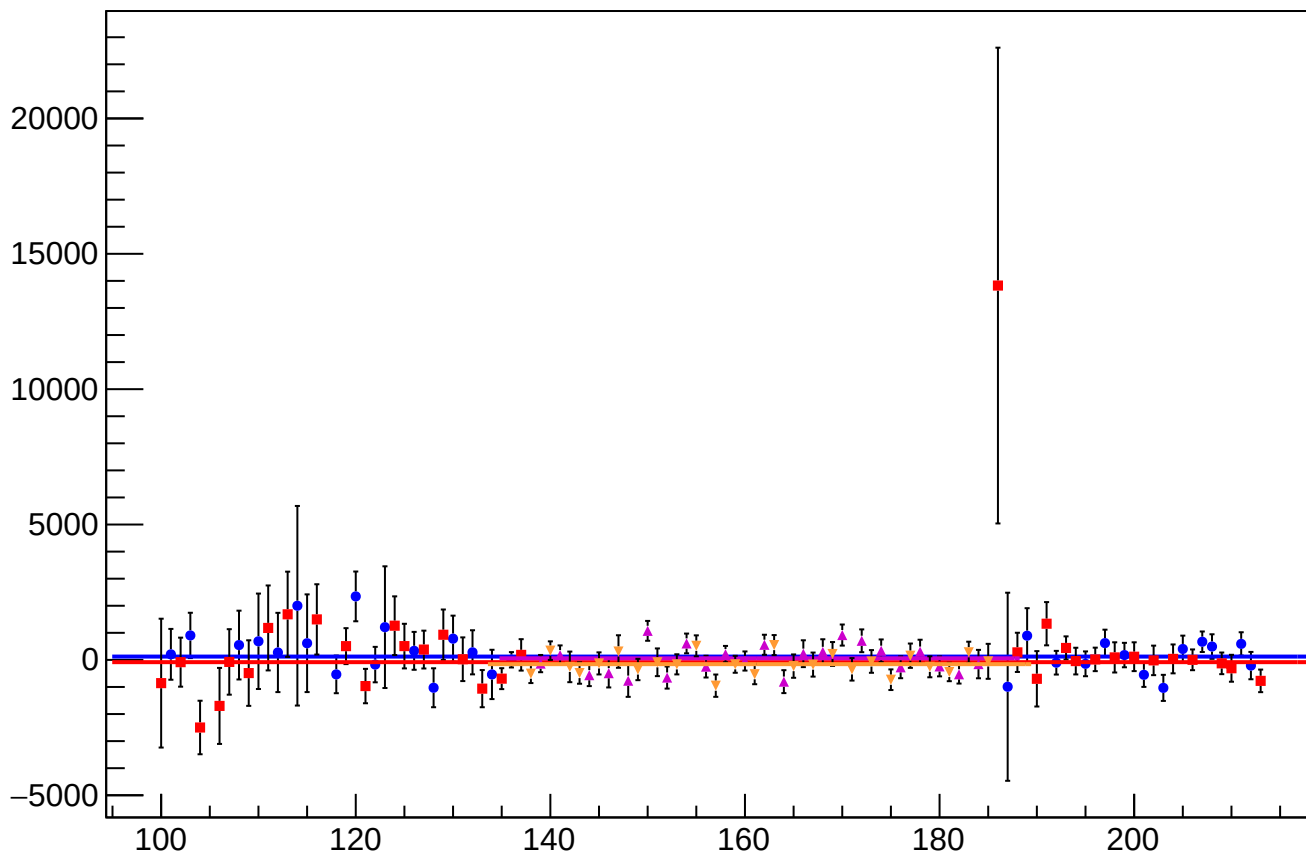
diff_bpm0l01Y_rms vs Slug



Right In: 1690.035 $\pm$ 0.306 χ^2 /NDF: 1193815.4/29
 Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24
 Right Out: 1702.580 $\pm$ 0.295 χ^2 /NDF: 1183022.7/33
 Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1794.739 $\pm$ 0.221 χ^2 /NDF: 2839336.6/54
 All: 1802.981 $\pm$ 0.157 χ^2 /NDF: 5403411.6/11
 - sign 1811.234 $\pm$ 0.222 χ^2 /NDF: 2561302.3/56

asym_sam1_mean vs Slug



Right In: 122.897 $\pm$ 108.286 χ^2 /NDF: 27.7/29

Left Out: -157.242 $\pm$ 80.796 χ^2 /NDF:22.0/24

Right Out: -83.515 $\pm$ 108.401 χ^2 /NDF: 33.2/33

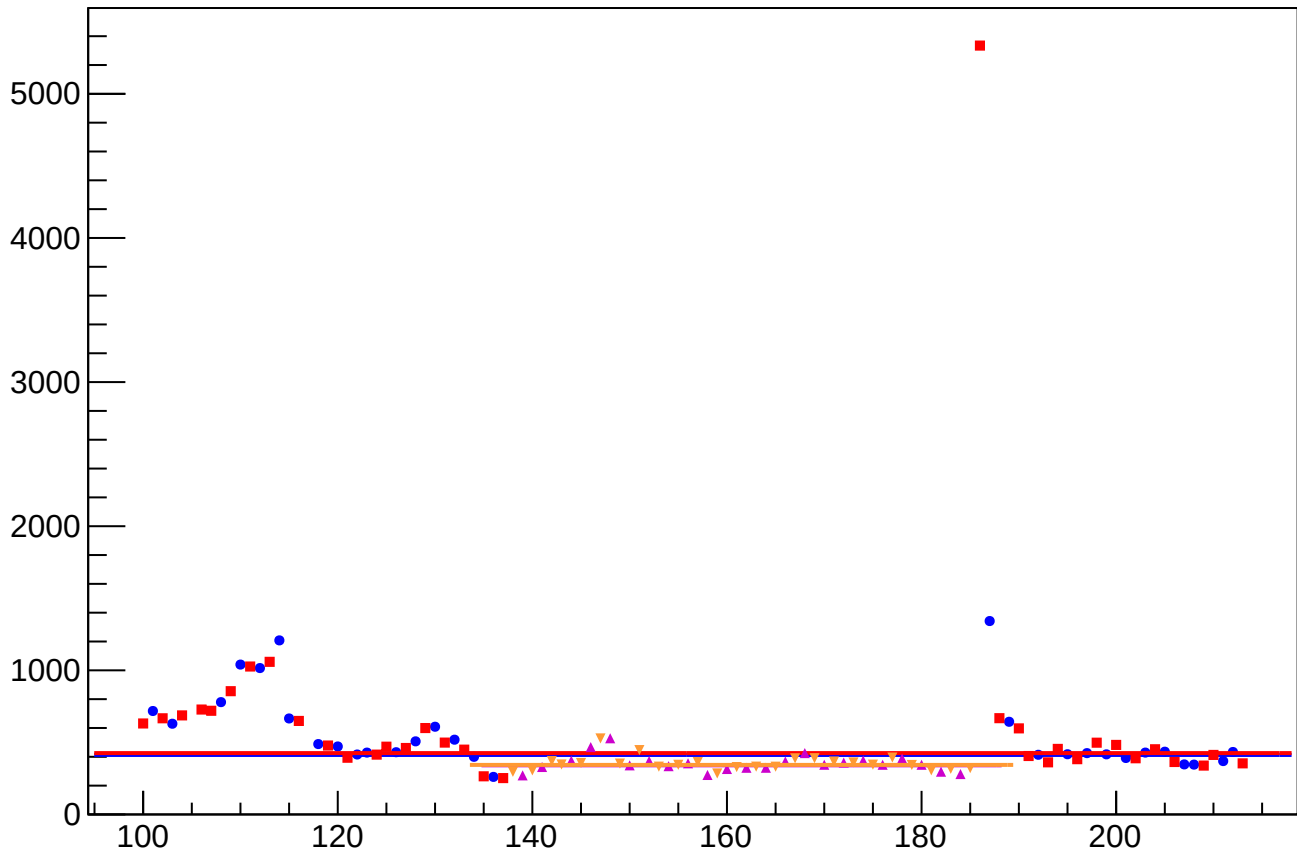
Left In: 58.934 $\pm$ 82.584 χ^2 /NDF:38.5/22

+ sign -57.058 $\pm$ 64.757 χ^2 /NDF: 54.0/54

All: -25.676 $\pm$ 46.117 χ^2 /NDF: 127.3/111

- sign 6.619 $\pm$ 65.692 χ^2 /NDF: 72.9/56

asym_sam1_rms vs Slug



Right In: 412.928+/-0.077 χ^2/NDF : 2406501.6/29

Left Out: 343.807+/-0.057 χ^2/NDF : 539431.0/24

Right Out: 425.756+/-0.077 χ^2/NDF : 3329424.1/33

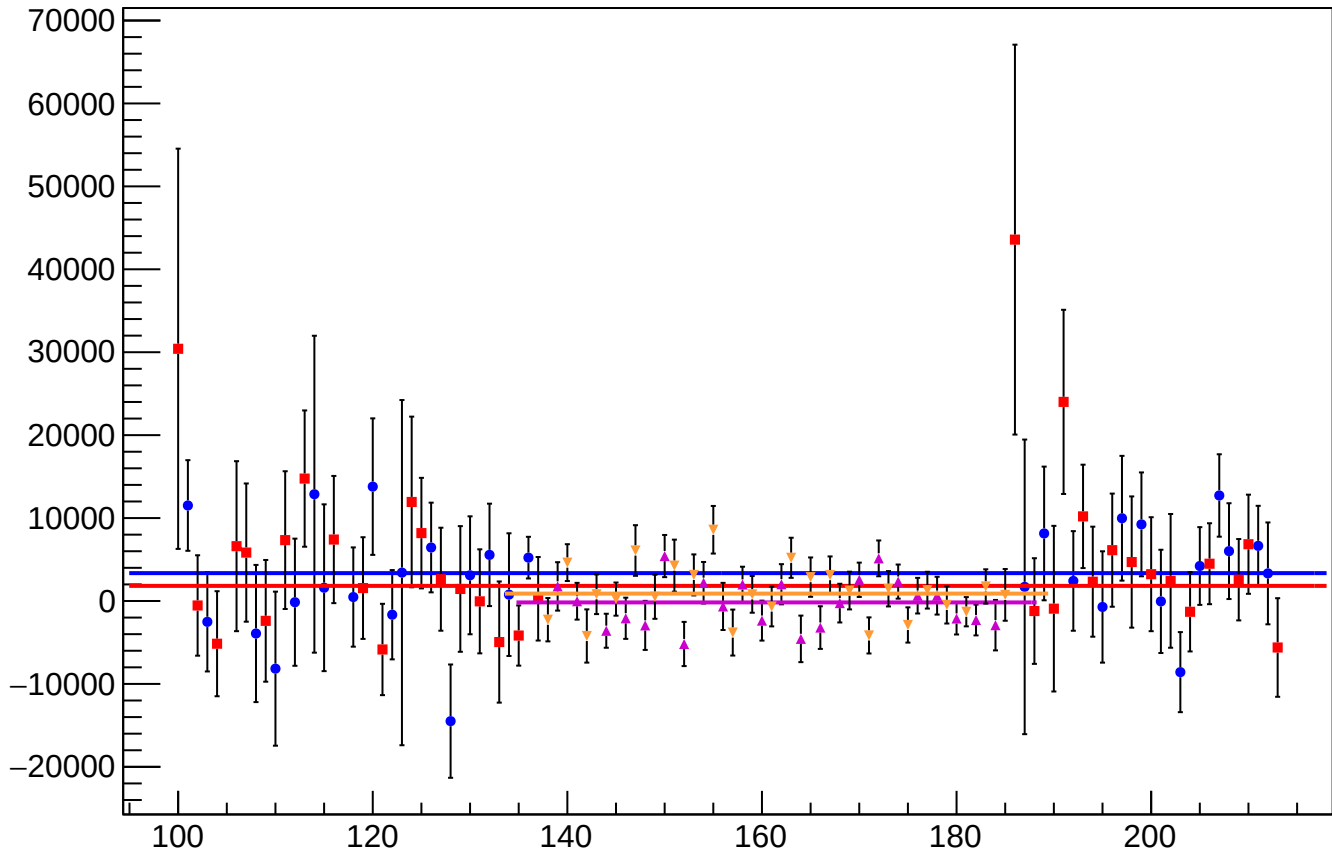
Left In: 340.876+/-0.058 χ^2/NDF : 724672.0/22

+ sign 368.526+/-0.046 χ^2/NDF : 3469418.1/54

All: 370.262+/-0.033 χ^2/NDF : 8302339.1/111

- sign 372.049+/-0.046 χ^2/NDF : 4830004.6/56

asym_sam2_mean vs Slug



Right In: 3359.812 $\pm$ 1090.552 χ^2 /NDF: 29.7/29

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 1823.345 $\pm$ 1126.801 χ^2 /NDF: 27.5/33

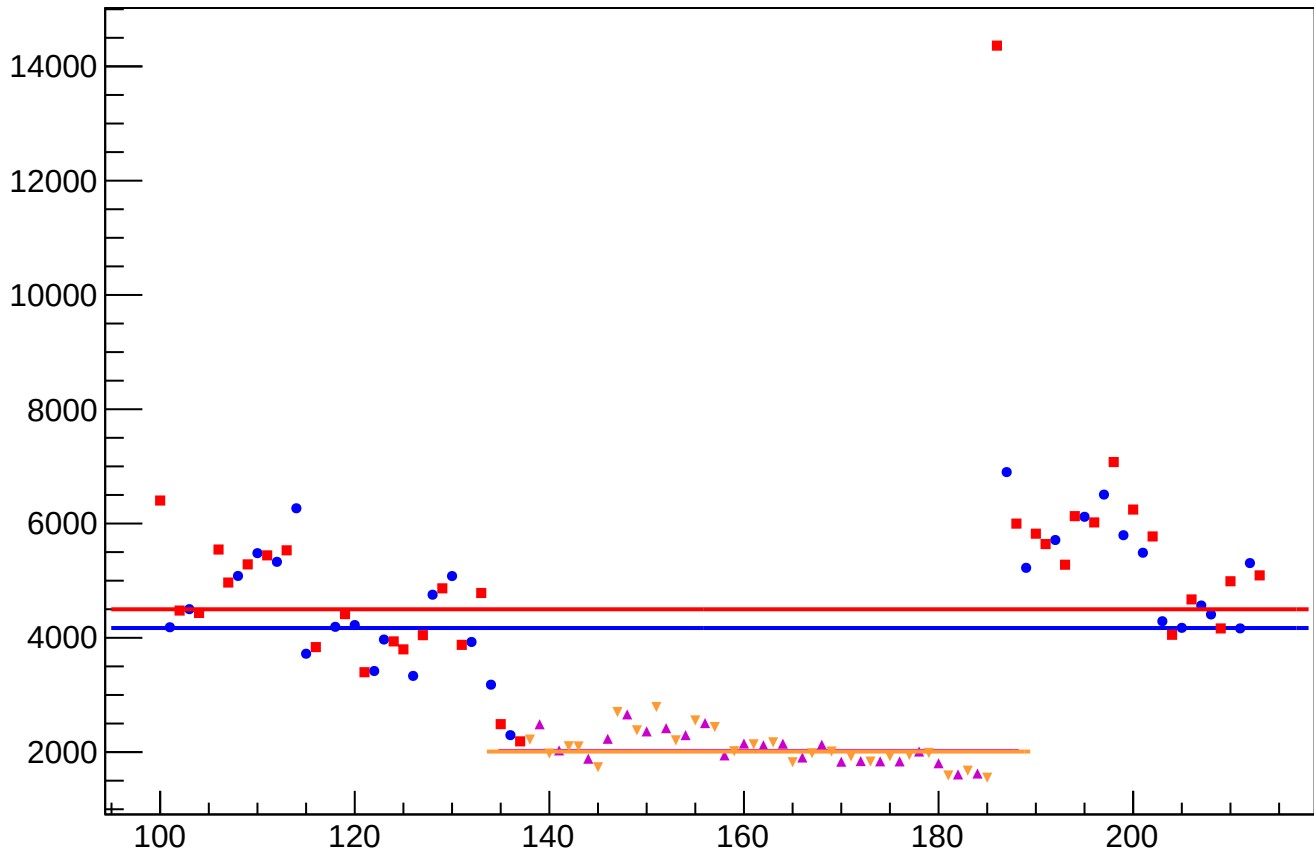
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1281.749 $\pm$ 434.144 χ^2 /NDF: 72.0/54

All: 730.023 $\pm$ 311.722 χ^2 /NDF: 138.6/111

- sign 142.887 $\pm$ 447.860 χ^2 /NDF: 63.3/56

asym_sam2_rms vs Slug



Right In: 4171.374+/-0.771 χ^2/NDF : 2314944.1/29

Left Out: 2009.631+/-0.335 χ^2/NDF : 709977.6/24

Right Out: 4499.391+/-0.797 χ^2/NDF : 2539836.0/33

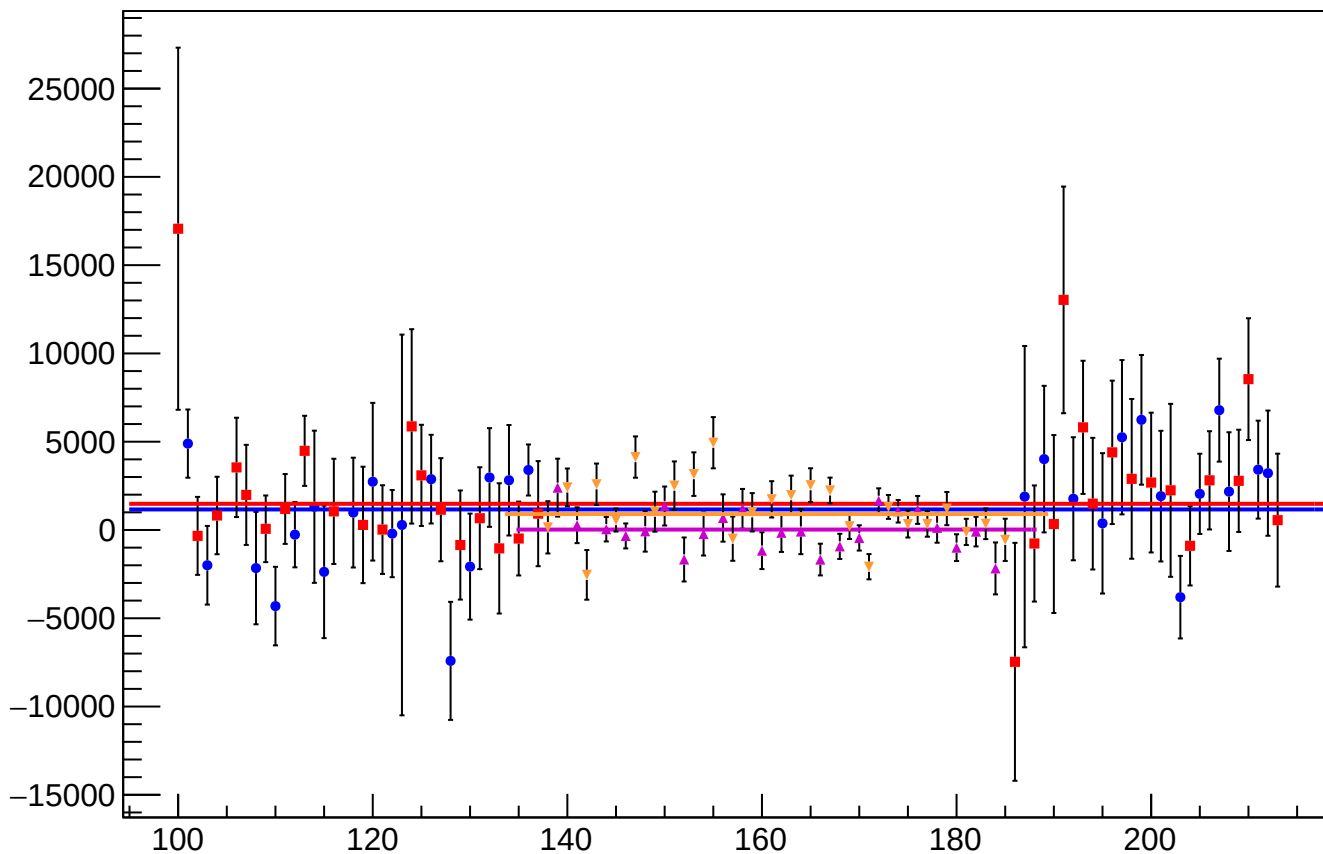
Left In: 2020.365+/-0.345 χ^2/NDF : 573483.0/22

+ sign 2352.225+/-0.307 χ^2/NDF : 9638094.0/54

All: 2381.178+/-0.220 χ^2/NDF : 20920992.6/100

- sign 2411.991+/-0.317 χ^2/NDF : 11264536.4/56

asym_sam3_mean vs Slug



Right In: 1163.611 $\pm$ 513.680 χ^2/NDF : 39.0/29

Left Out: 902.091 $\pm$ 185.850 χ^2/NDF : 63.5/24

Right Out: 1481.680 $\pm$ 508.026 χ^2/NDF : 23.4/33

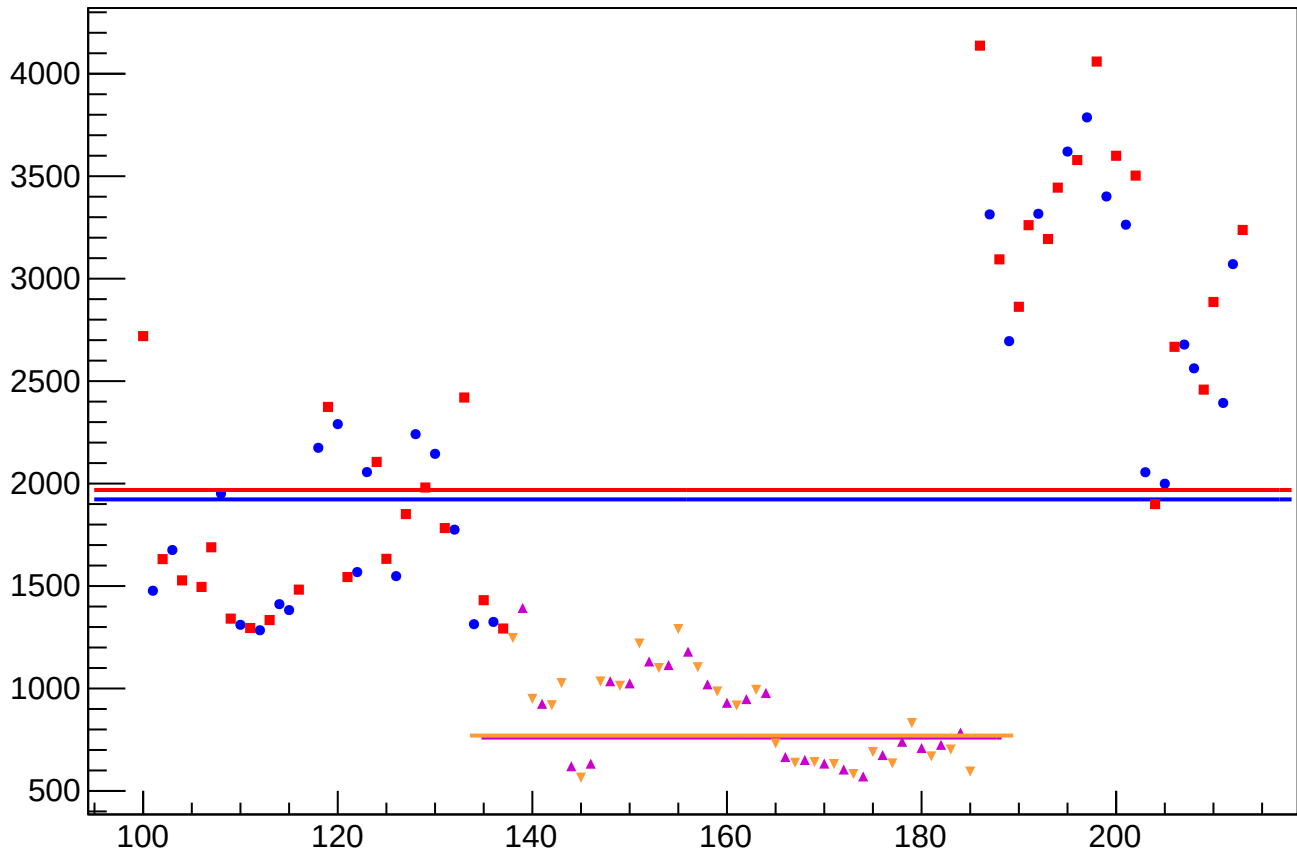
Left In: 23.529 $\pm$ 188.137 χ^2/NDF : 28.2/22

+ sign 932.362 $\pm$ 174.763 χ^2/NDF : 102.7/54

All: 569.347 $\pm$ 124.161 χ^2/NDF : 170.3/111

- sign 199.388 $\pm$ 176.427 χ^2/NDF : 58.8/56

asym_sam3_rms vs Slug



Right In: 1922.843 $\pm$ 0.363 χ^2 /NDF: 3395698.1/29

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1968.810 $\pm$ 0.359 χ^2 /NDF: 4258721.5/33

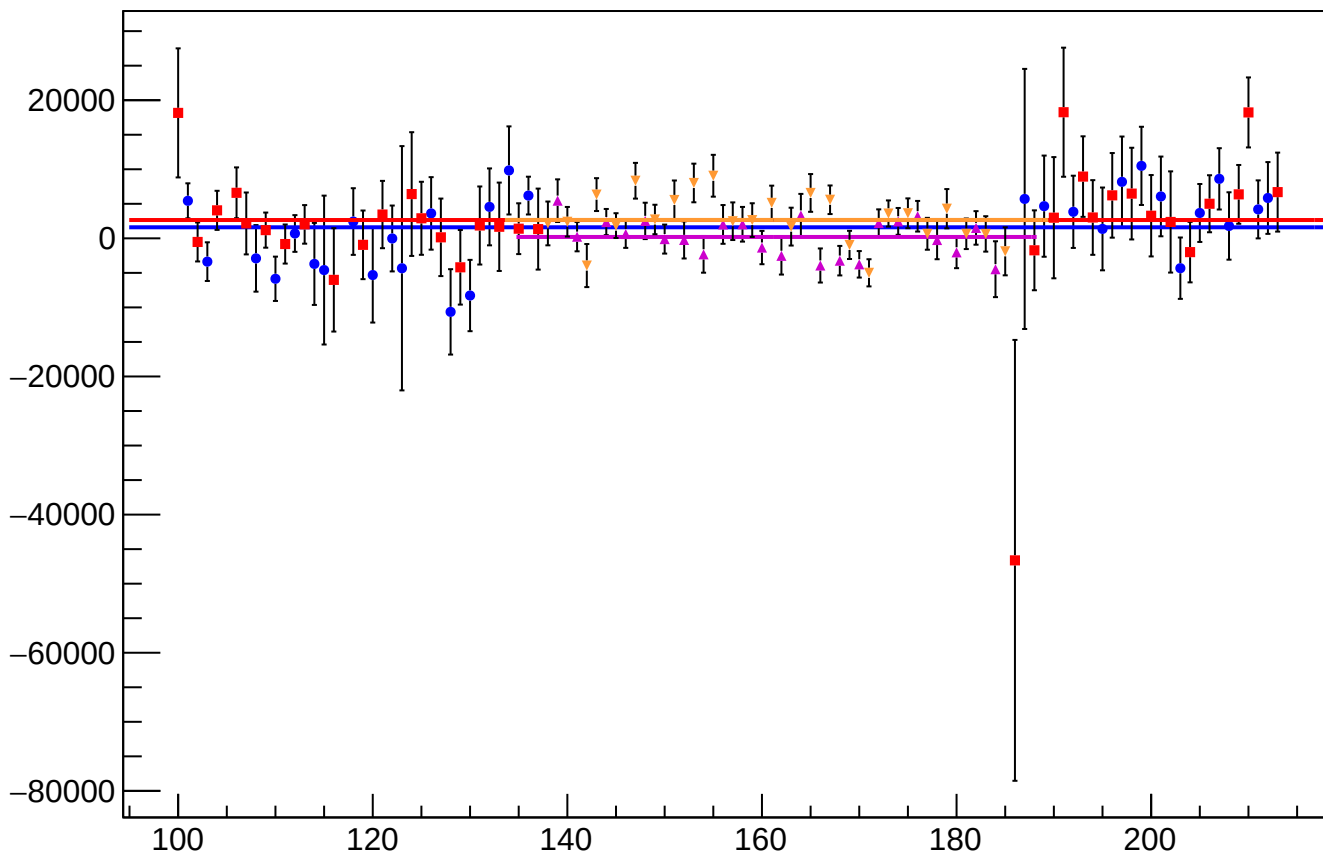
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 903.723 $\pm$ 0.124 χ^2 /NDF: 14586003.1/54

All: 904.898 $\pm$ 0.088 χ^2 /NDF: 30783559.6/1

- sign 906.096 $\pm$ 0.125 χ^2 /NDF: 16197373.8/56

asym_sam4_mean vs Slug



Right In: 1600.316 $\pm$ 825.288 χ^2 /NDF: 36.8/29

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 2652.399 $\pm$ 786.139 χ^2 /NDF: 31.2/33

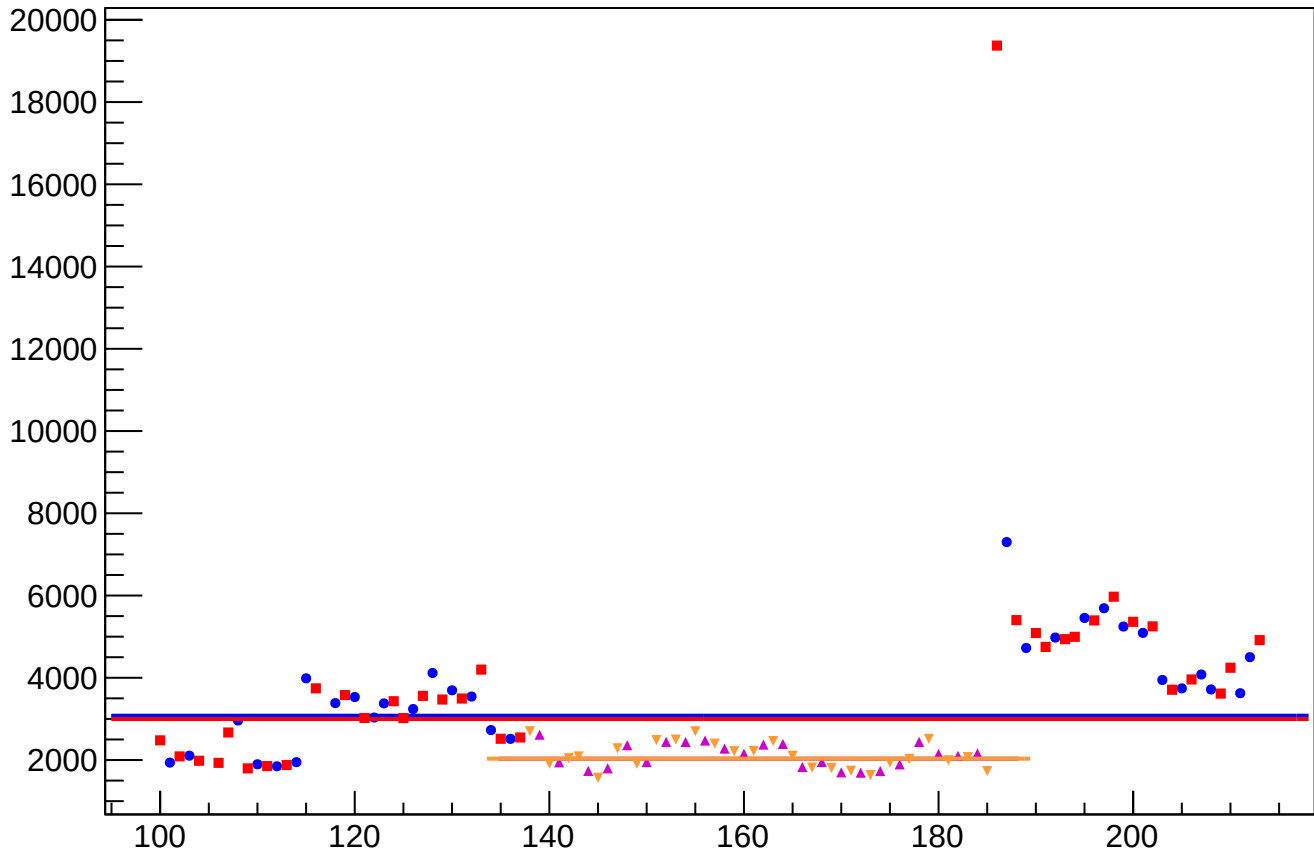
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2396.509 $\pm$ 414.777 χ^2 /NDF: 87.2/54

All: 1647.437 $\pm$ 294.112 χ^2 /NDF: 157.7/111

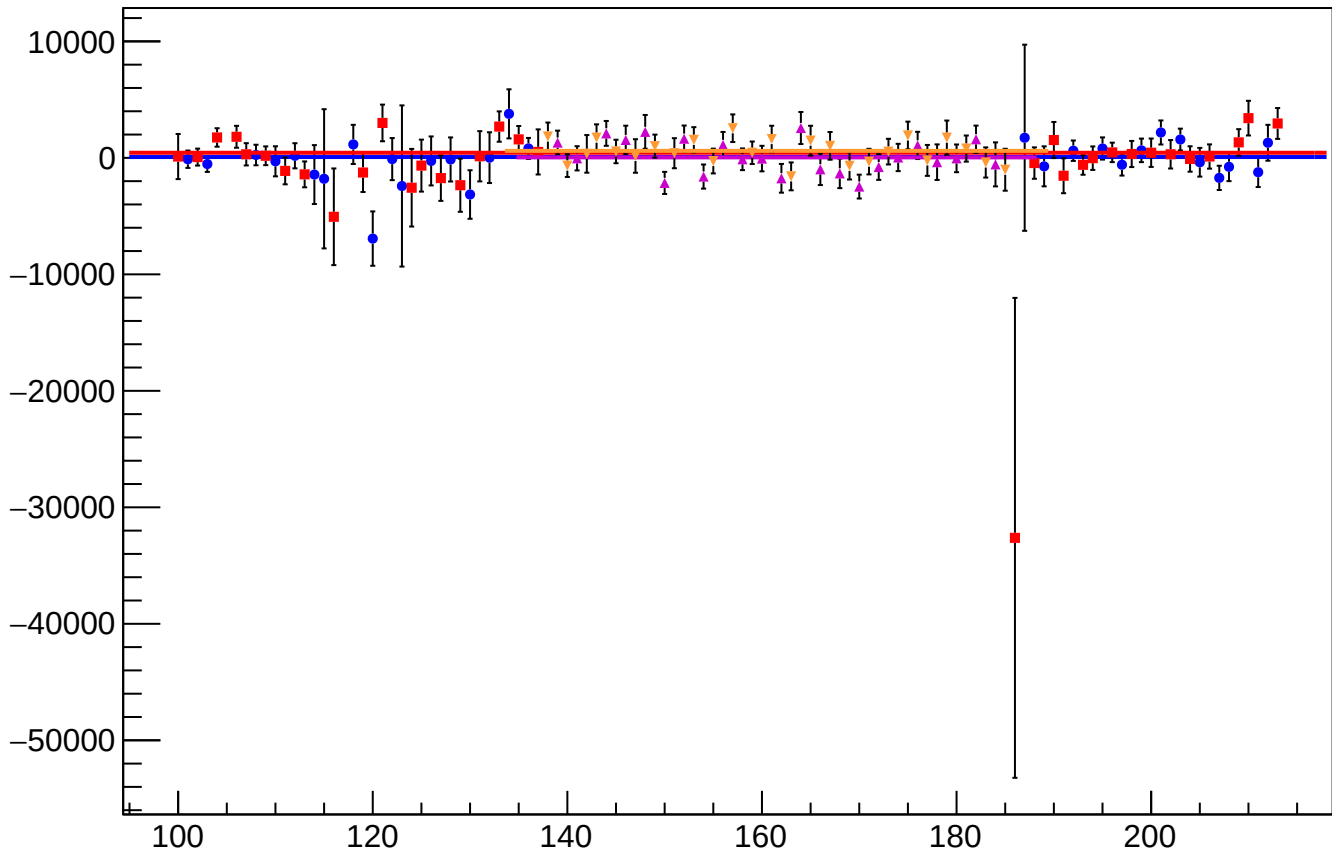
- sign 889.927 $\pm$ 417.107 χ^2 /NDF: 63.9/56

asym_sam4_rms vs Slug



Right In: 3077.370+/-0.584	χ^2/NDF : 3725298.2/29	+ sign 2297.051+/-0.293	χ^2/NDF : 6941603.5/54
Left Out: 2033.337+/-0.339	χ^2/NDF : 824062.2/24	All: 2300.433+/-0.208	χ^2/NDF : 15034894.5/1
Right Out: 2996.021+/-0.556	χ^2/NDF : 5282344.8/33	- sign 2303.854+/-0.295	χ^2/NDF : 8093023.5/56
Left In: 2032.655+/-0.348	χ^2/NDF : 652763.7/22		

asym_sam5_mean vs Slug



Right In: 70.831 $\pm$ 221.241 χ^2 /NDF: 31.2/29

Left Out: 600.005 $\pm$ 234.968 χ^2 /NDF:18.5/24

Right Out: 438.573 $\pm$ 206.803 χ^2 /NDF: 38.6/33

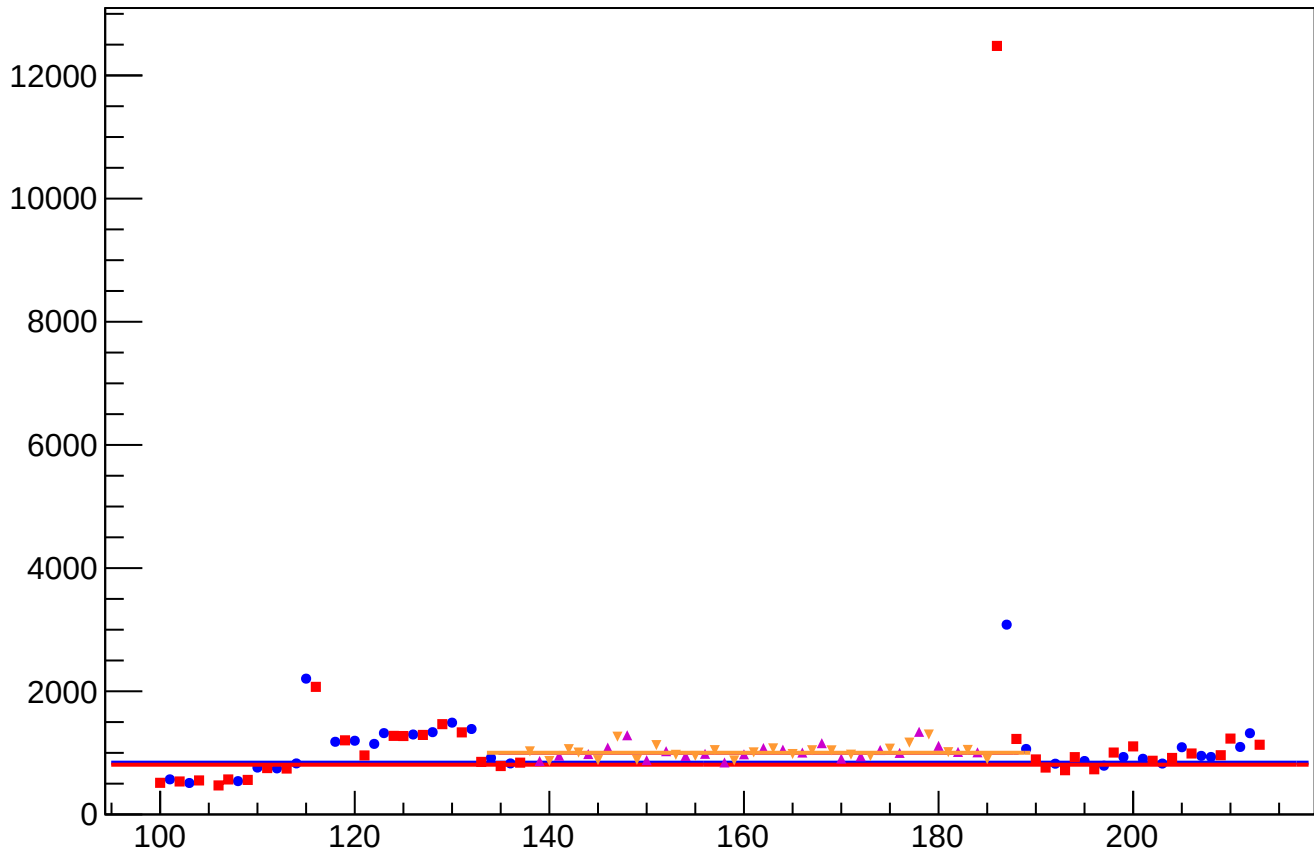
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF:36.4/22

+ sign 319.509 $\pm$ 161.075 χ^2 /NDF: 52.4/54

All: 294.131 $\pm$ 112.388 χ^2 /NDF: 129.0/111

- sign 270.054 $\pm$ 156.889 χ^2 /NDF: 76.5/56

asym_sam5_rms vs Slug



Right In: 840.949+/-0.156 χ^2/NDF : 2454996.7/29

Left Out: 1001.472+/-0.166 χ^2/NDF : 370299.3/24

Right Out: 807.817+/-0.146 χ^2/NDF : 3464697.2/33

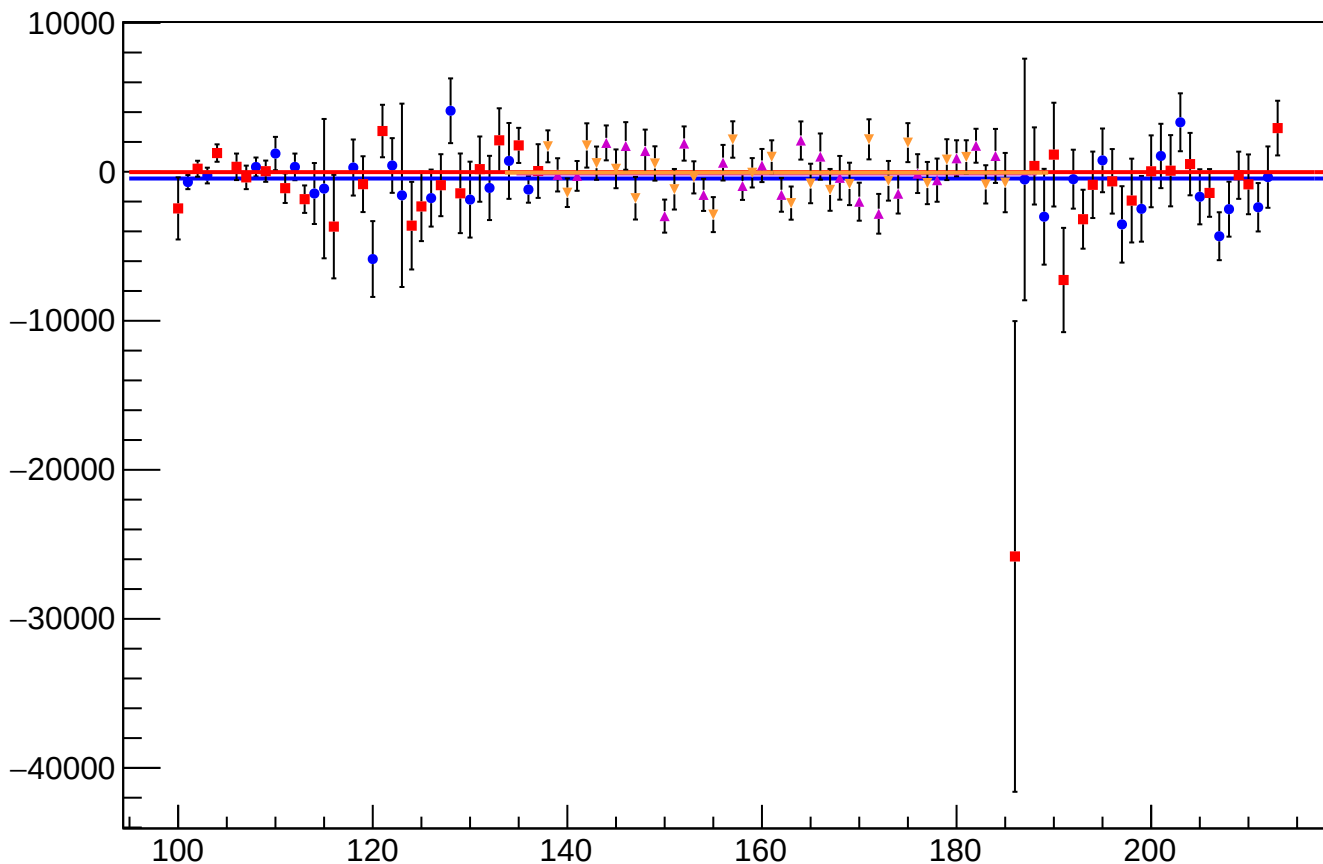
Left In: 998.050+/-0.170 χ^2/NDF : 404656.2/22

+ sign 916.385+/-0.114 χ^2/NDF : 3320074.9/54

All: 902.109+/-0.079 χ^2/NDF : 7938384.7/111

- sign 888.565+/-0.111 χ^2/NDF : 4587694.6/56

asym_sam6_mean vs Slug



Right In: -454.476 ± 229.865 χ^2/NDF : 32.7/29

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -25.066 ± 226.340 χ^2/NDF : 35.7/33

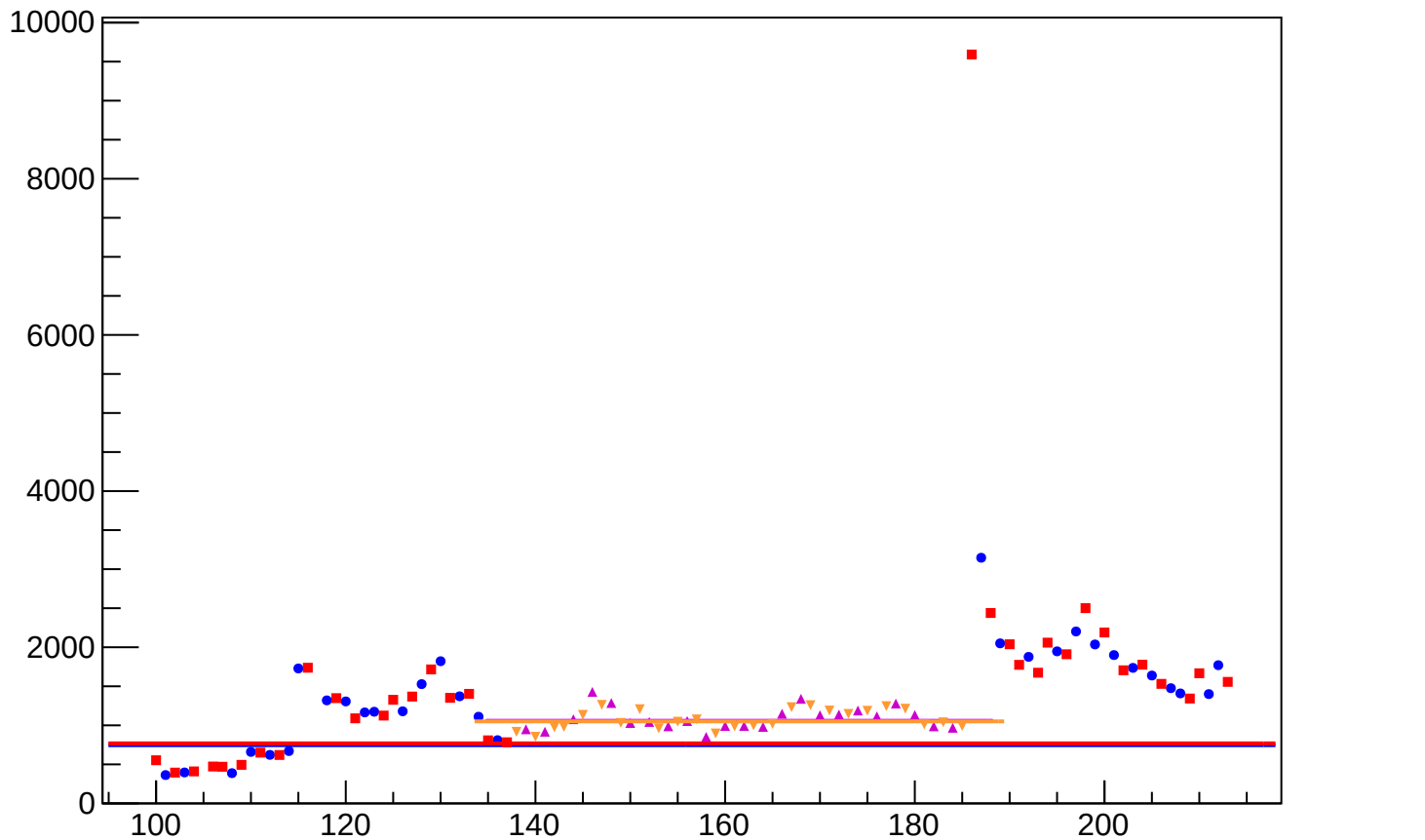
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -270.919 ± 168.114 χ^2/NDF : 65.0/54

All: -167.988 ± 119.325 χ^2/NDF : 136.4/111

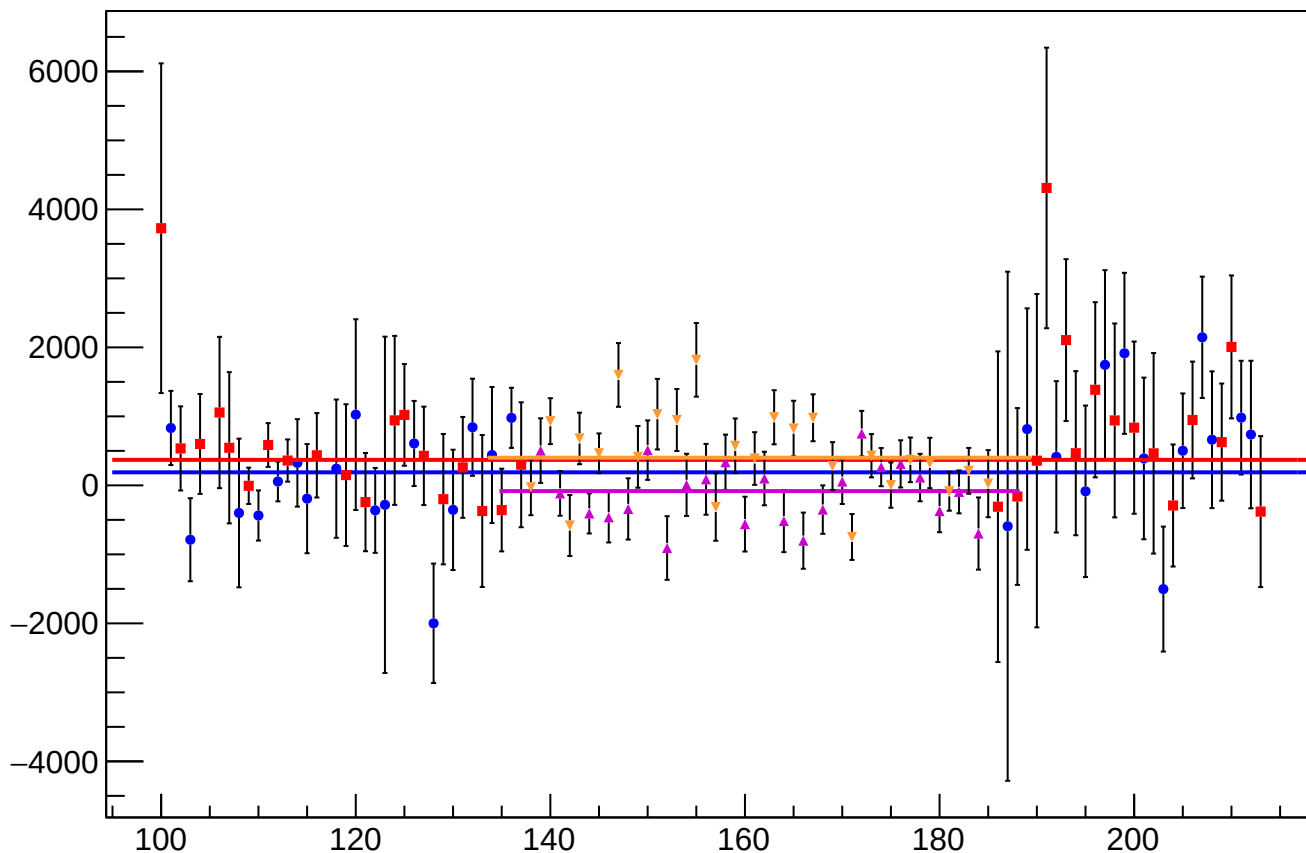
- sign -63.481 ± 169.396 χ^2/NDF : 70.6/56

asym_sam6_rms vs Slug



Right In: 746.063 $\pm$ 0.163 χ^2 /NDF: 10464534.1/29 + sign 887.731 $\pm$ 0.119 χ^2 /NDF: 12580978.7/54
 Left Out: 1050.649 $\pm$ 0.174 χ^2 /NDF: 483144.2/24 All: 891.912 $\pm$ 0.084 χ^2 /NDF: 25723921.5/11
 Right Out: 768.984 $\pm$ 0.160 χ^2 /NDF: 11176465.3/33 - sign 896.158 $\pm$ 0.120 χ^2 /NDF: 13140448.8/56
 Left In: 1058.097 $\pm$ 0.181 χ^2 /NDF: 528574.7/22

asym_sam7_mean vs Slug



Right In: 189.123 $\pm$ 129.187 χ^2 /NDF: 34.2/29

Left Out: 400.988 $\pm$ 74.546 χ^2 /NDF: 52.1/24

Right Out: 369.747 $\pm$ 119.466 χ^2 /NDF: 20.4/33

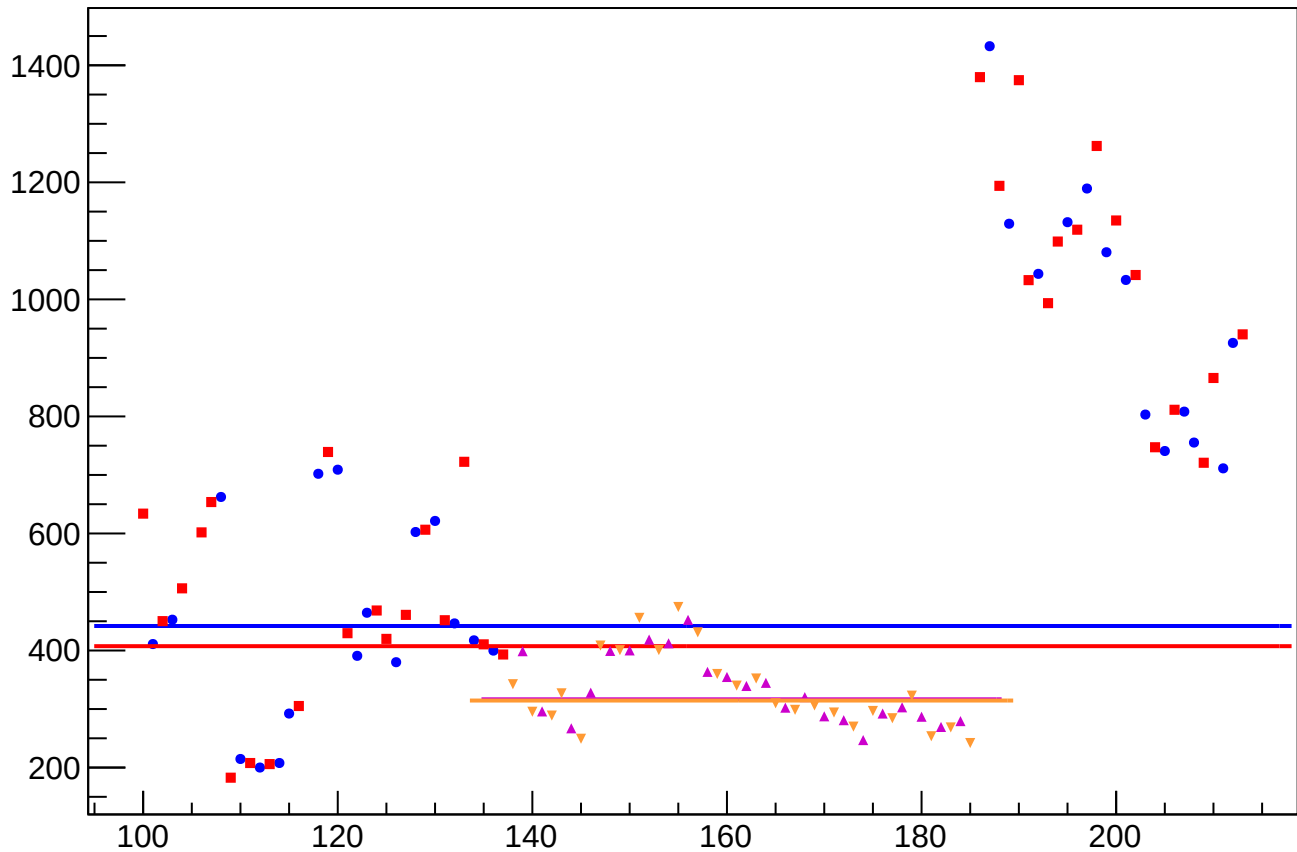
Left In: -82.890 $\pm$ 76.904 χ^2 /NDF: 29.0/22

+ sign 348.064 $\pm$ 64.568 χ^2 /NDF: 88.3/54

All: 199.117 $\pm$ 45.690 χ^2 /NDF: 158.6/111

- sign 49.725 $\pm$ 64.664 χ^2 /NDF: 59.6/56

asym_sam7_rms vs Slug



Right In: 441.908 $\pm$ 0.091 χ^2 /NDF: 8166618.4/29

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF:1112445.6/24

Right Out: 407.424 $\pm$ 0.084 χ^2 /NDF: 11017110.3/33

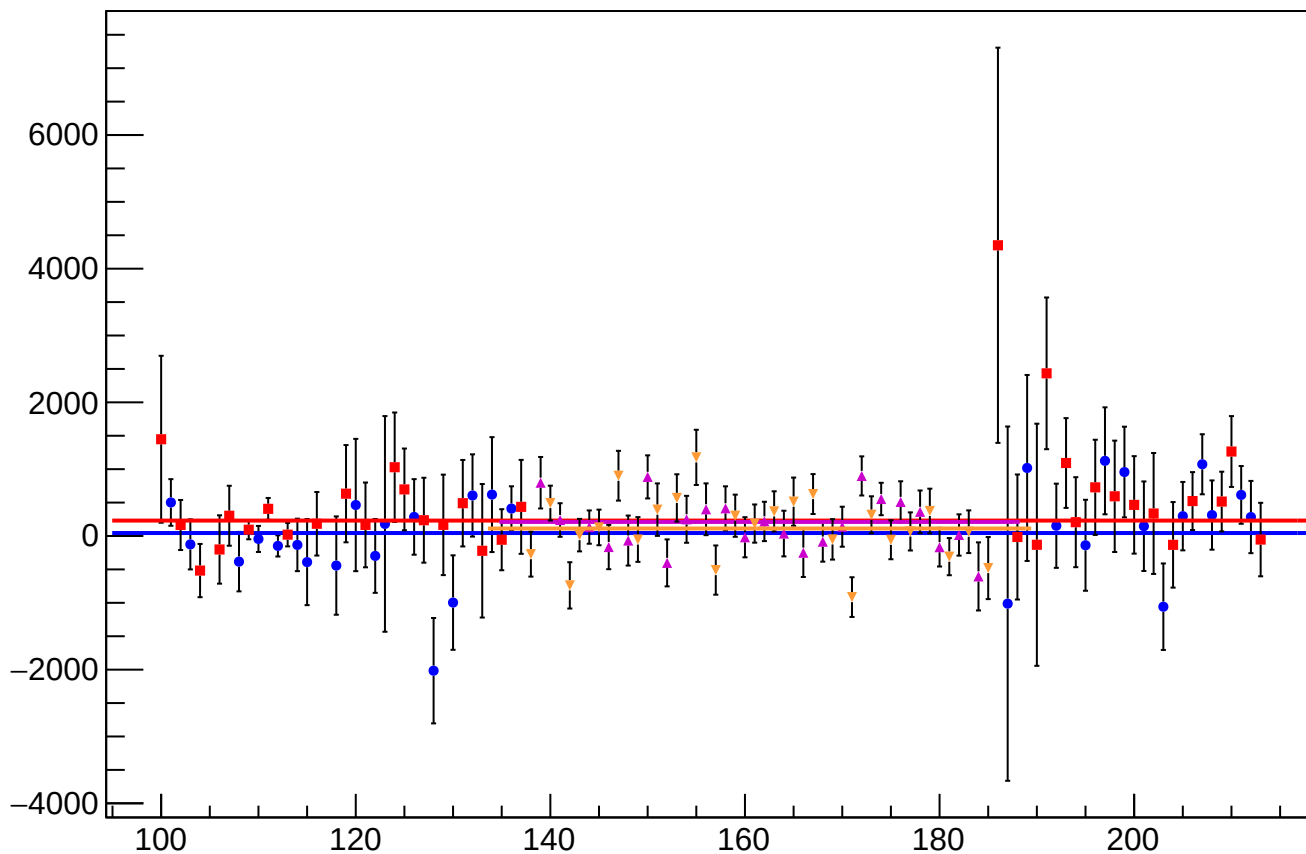
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF:920874.0/22

+ sign 346.355 $\pm$ 0.046 χ^2 /NDF: 10737541.5/54

All: 344.801 $\pm$ 0.032 χ^2 /NDF: 23494298.7/11

- sign 343.243 $\pm$ 0.046 χ^2 /NDF: 12754437.5/56

asym_sam8_mean vs Slug



Right In: 44.427+/-79.927 χ^2/NDF : 32.9/29

Left Out: 112.242+/-62.643 χ^2/NDF : 49.1/24

Right Out: 230.837+/-70.408 χ^2/NDF : 25.0/33

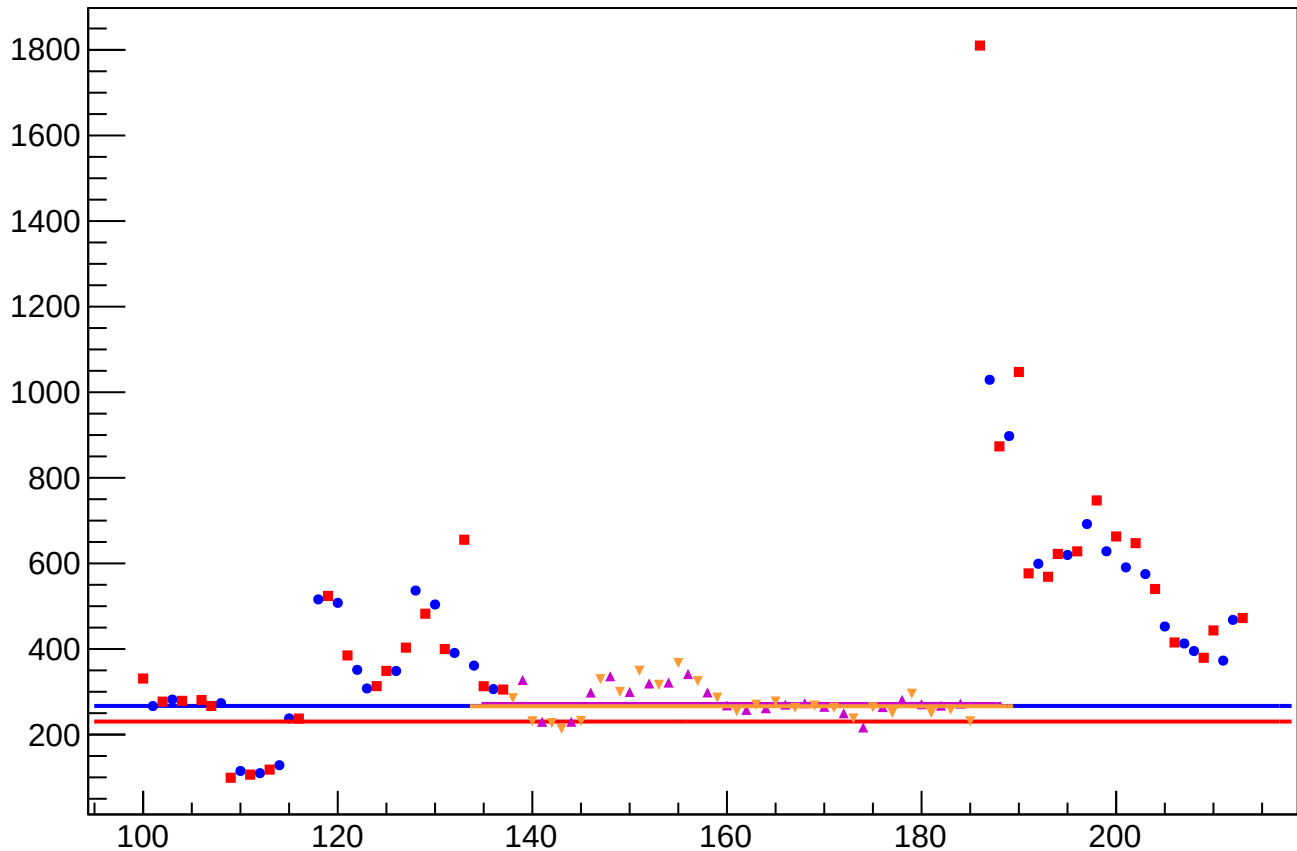
Left In: 210.453+/-65.510 χ^2/NDF : 29.2/22

+ sign 86.436+/-49.304 χ^2/NDF : 82.5/54

All: 155.017+/-34.379 χ^2/NDF : 140.4/111

- sign 219.912+/-47.961 χ^2/NDF : 54.2/56

asym_sam8_rms vs Slug



Right In: 266.937 $\pm$ 0.057 χ^2 /NDF: 9177269.5/29

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 230.453 $\pm$ 0.050 χ^2 /NDF: 12833622.4/33

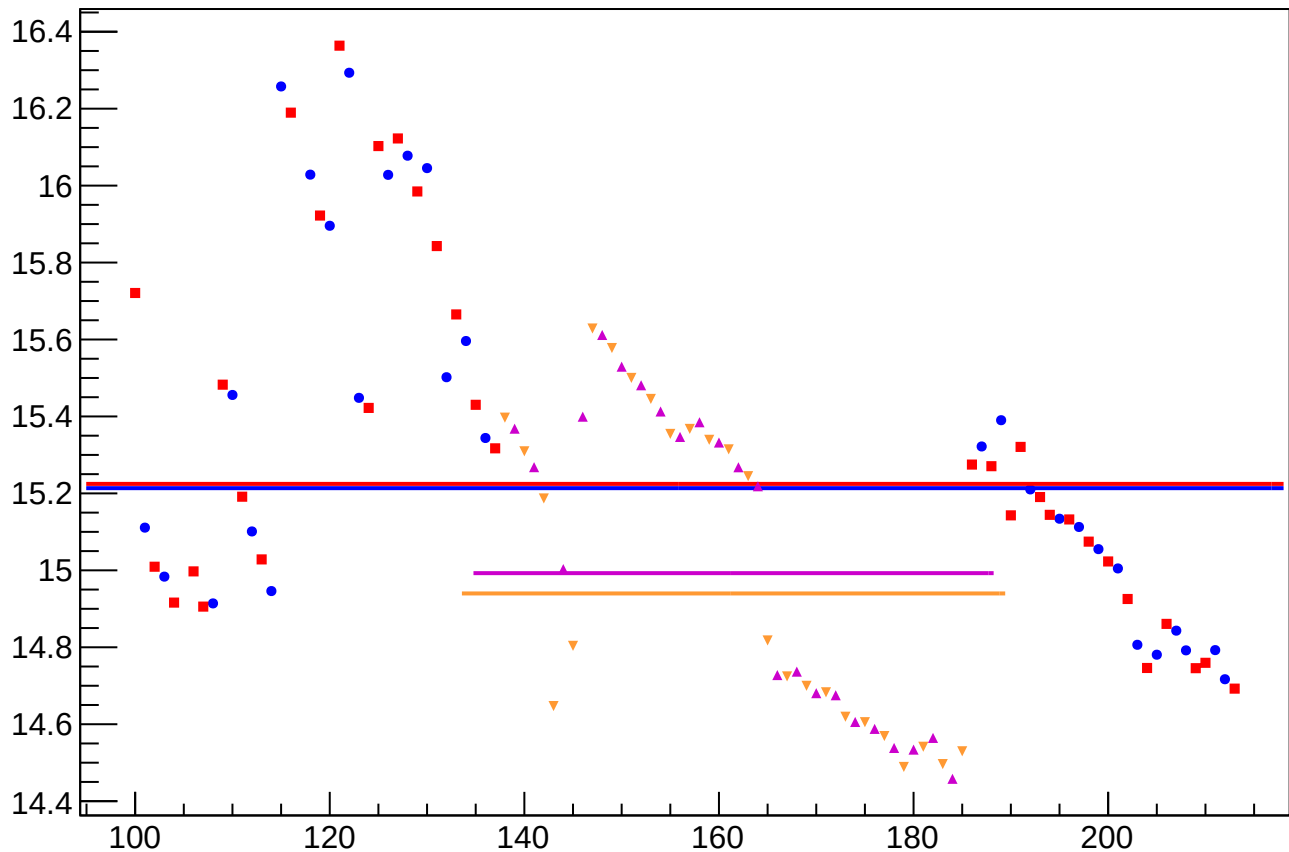
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 266.485 $\pm$ 0.035 χ^2 /NDF: 9827002.8/54

All: 259.252 $\pm$ 0.024 χ^2 /NDF: 23629100.3/13

- sign 252.408 $\pm$ 0.034 χ^2 /NDF: 13718329.2/56

yield_sam1_mean vs Slug



Right In: 15.214+/-0.000 χ^2/NDF : 17162611556.6/29

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.225+/-0.000 χ^2/NDF : 17289690065.7/33

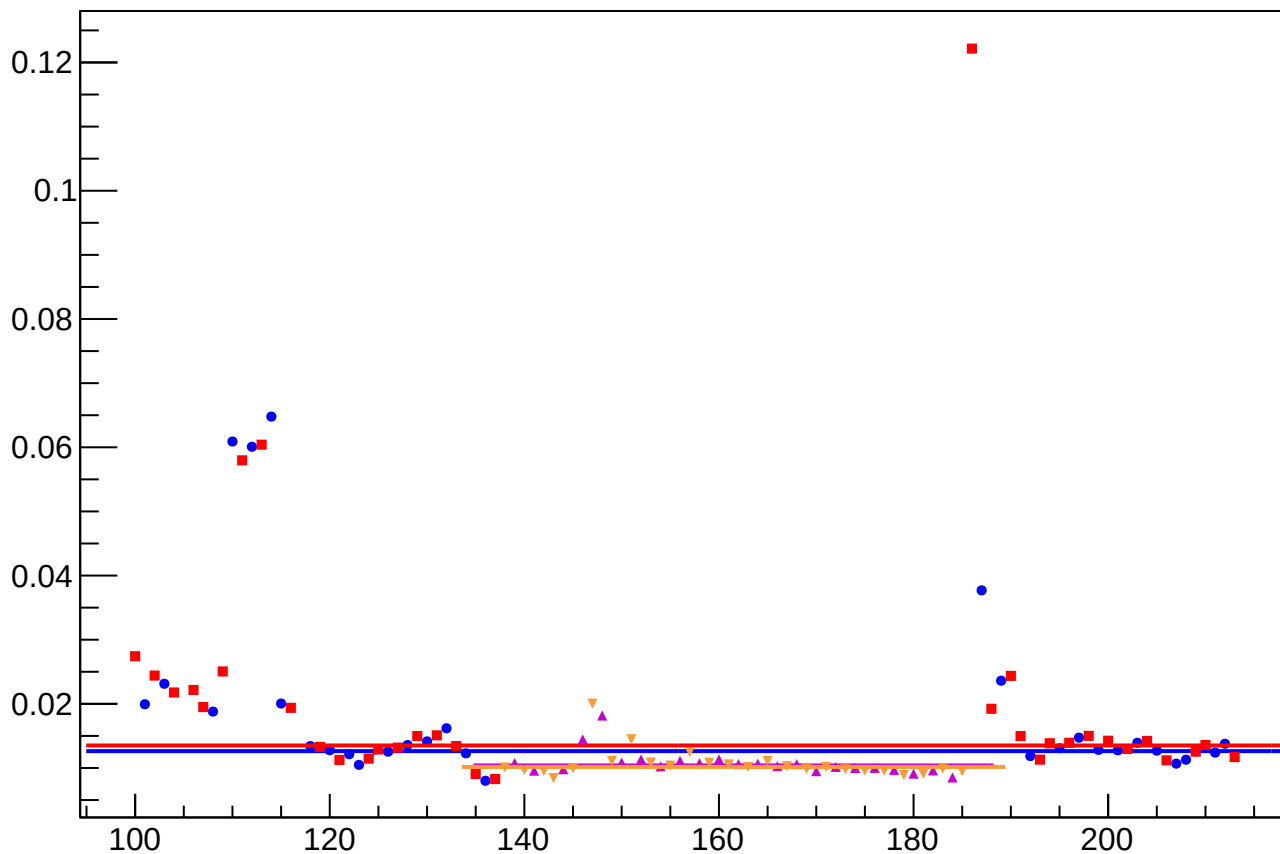
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.033+/-0.000 χ^2/NDF : 45644656308.3/54

All: 15.052+/-0.000 χ^2/NDF : 87993415502.0

- sign 15.073+/-0.000 χ^2/NDF : 42156380763.4/56

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 2582082.8/29

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 3134733.5/33

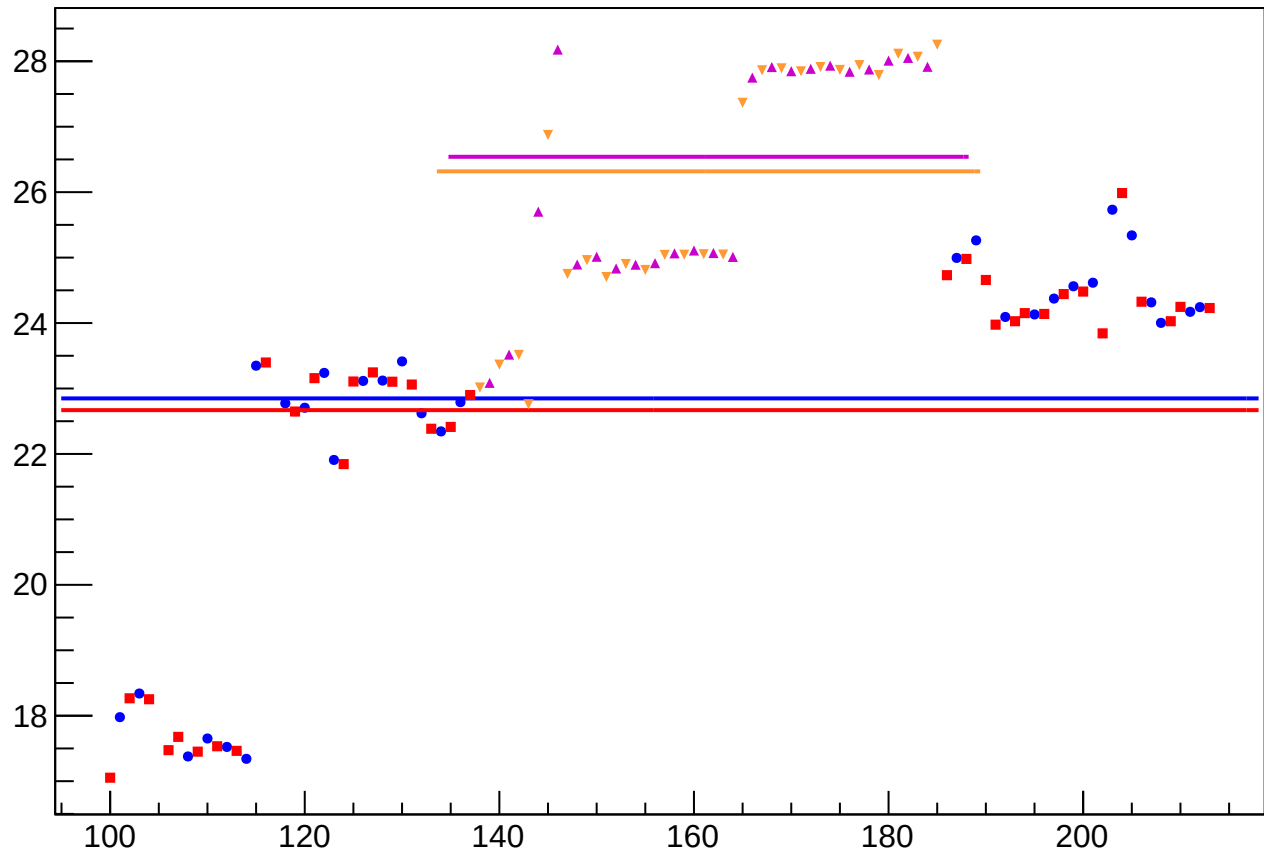
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 3992833.3/54

All: 0.011 $\pm$ 0.000 χ^2/NDF : 8748765.6/111

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 4701677.4/56

yield_sam2_mean vs Slug



Right In: 22.849+/-0.000 χ^2/NDF : 1364464586.4/29

Left Out: 26.318+/-0.000 χ^2/NDF : 4715403741.0/24

Right Out: 22.669+/-0.000 χ^2/NDF : 1568954765.7/33

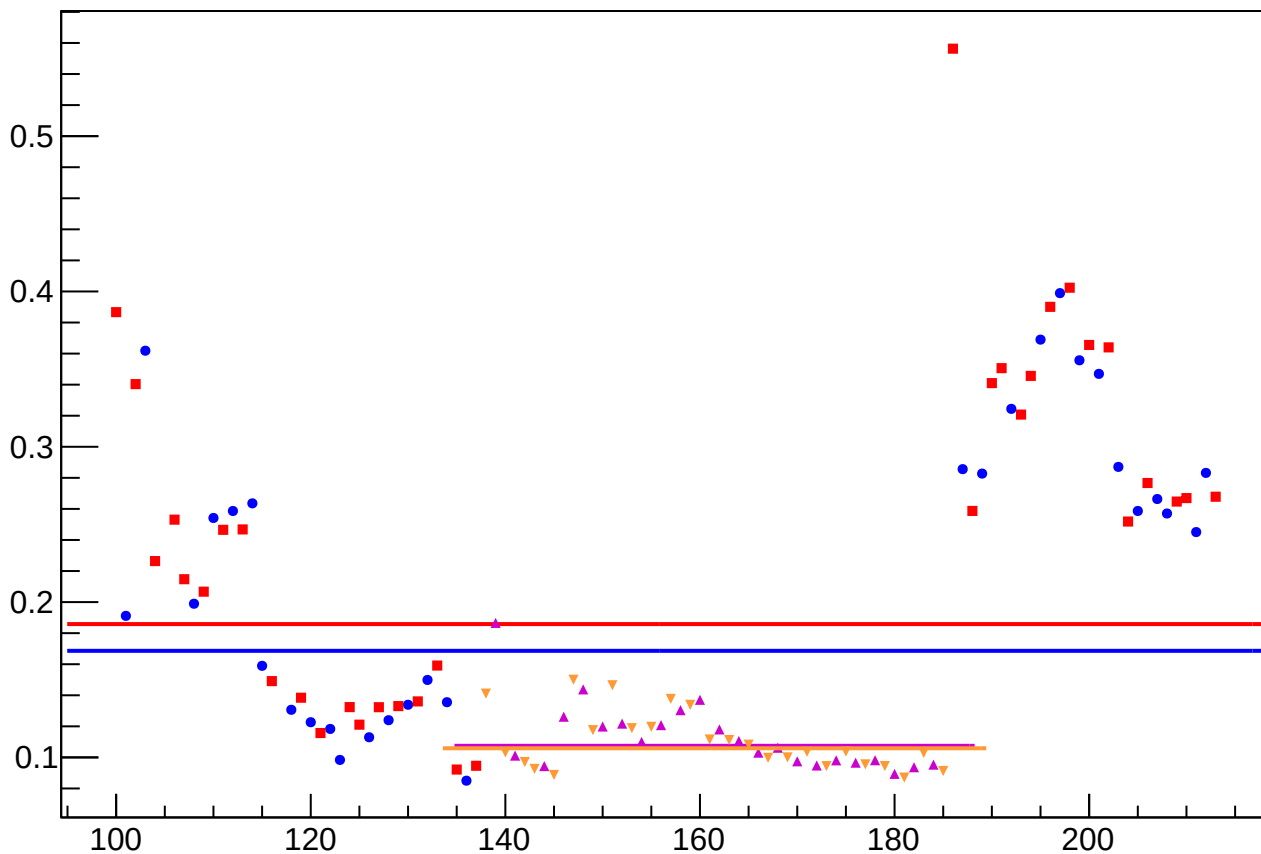
Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.534+/-0.000 χ^2/NDF : 9914112276.2/54

All: 25.597+/-0.000 χ^2/NDF : 19198960790.4

- sign 25.665+/-0.000 χ^2/NDF : 9269962616.9/56

yield_sam2_rms vs Slug



Right In: 0.169+/-0.000 χ^2/NDF : 6158030.8/29

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.186+/-0.000 χ^2/NDF : 6039188.7/33

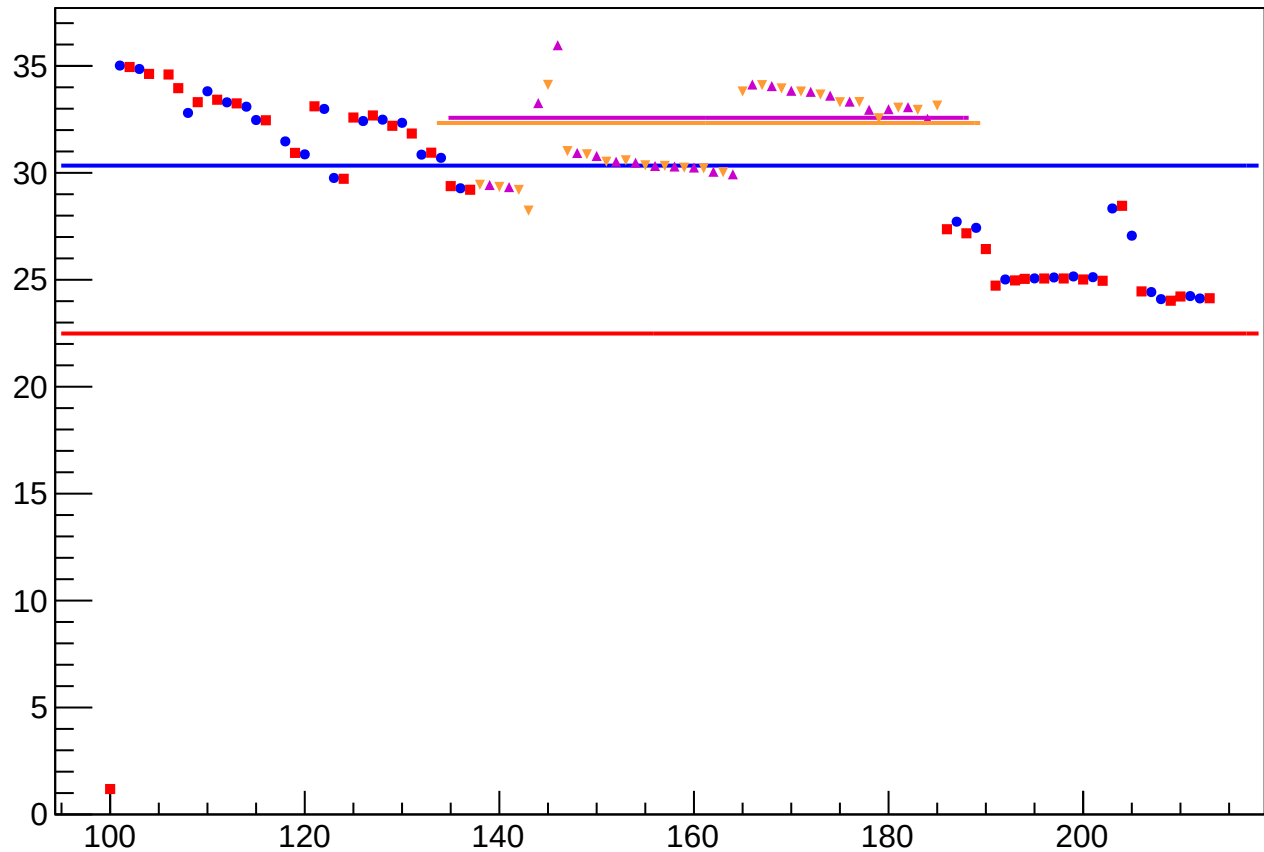
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.120+/-0.000 χ^2/NDF : 9399555.0/54

All: 0.123+/-0.000 χ^2/NDF : 19856030.7/111

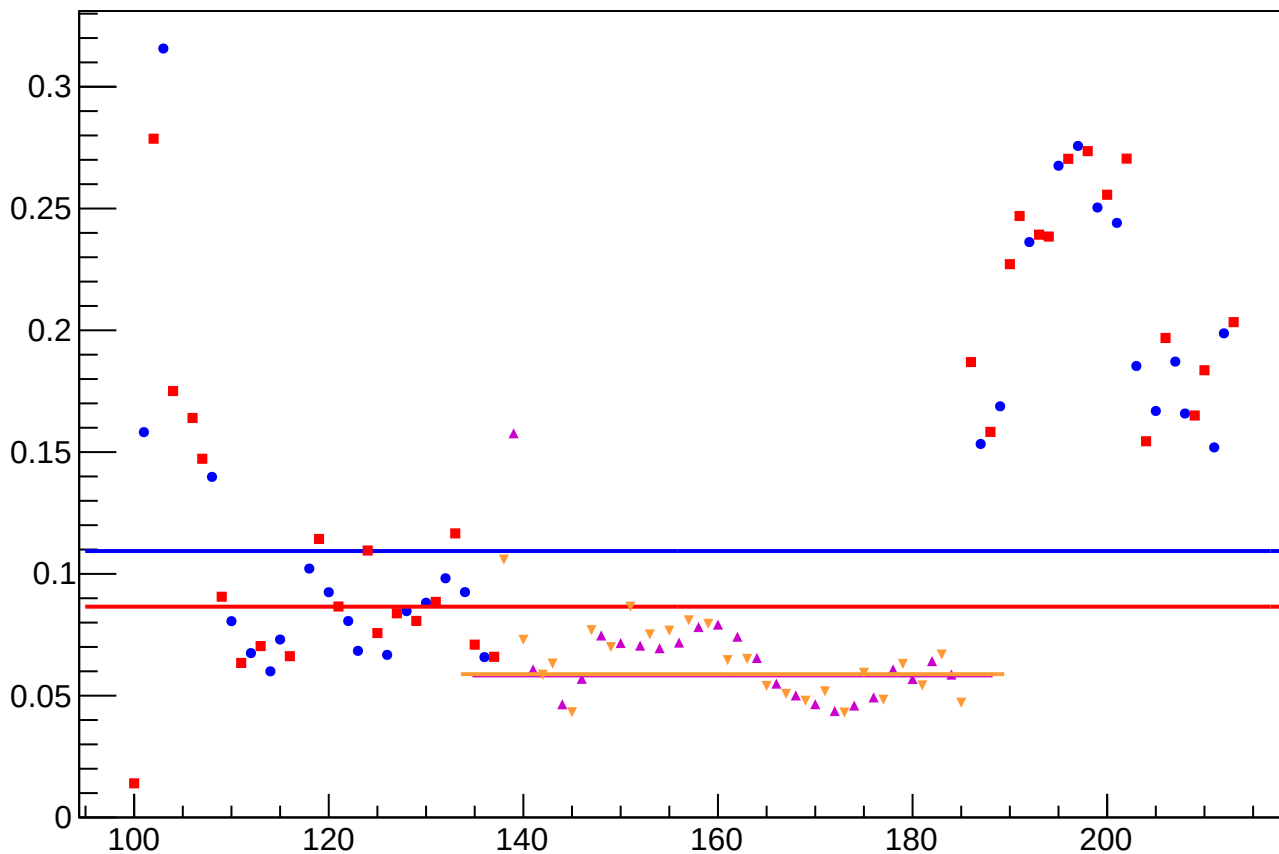
- sign 0.125+/-0.000 χ^2/NDF : 10410349.6/56

yield_sam3_mean vs Slug



Right In: 30.339+/-0.000	χ^2/NDF : 9345344575.8/29	+ sign 31.958+/-0.000	χ^2/NDF : 25240897702.8/54
Left Out: 32.331+/-0.000	χ^2/NDF : 12850475096.2/24	All: 30.997+/-0.000	χ^2/NDF : 377555066176.
Right Out: 22.488+/-0.000	χ^2/NDF : 232274503370.3/33	- sign 30.068+/-0.000	χ^2/NDF : 343156044037.3/56
Left In: 32.574+/-0.000	χ^2/NDF : 11797772603.7/22		

yield_sam3_rms vs Slug



Right In: 0.109 $\pm$ 0.000 χ^2 /NDF: 6208533.9/29

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 11834529.8/33

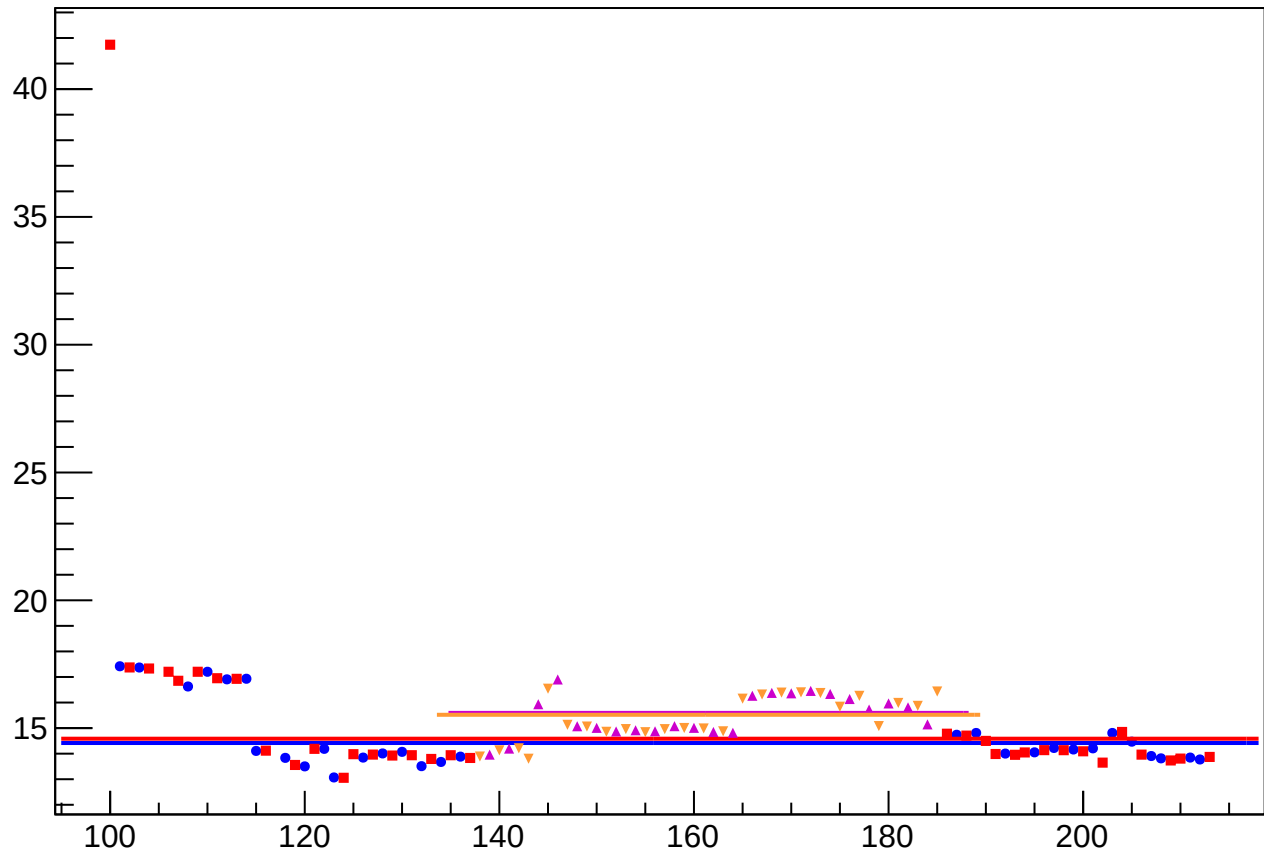
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.068 $\pm$ 0.000 χ^2 /NDF: 11531711.8/54

All: 0.067 $\pm$ 0.000 χ^2 /NDF: 26489217.0/111

- sign 0.065 $\pm$ 0.000 χ^2 /NDF: 14912372.5/56

yield_sam4_mean vs Slug



Right In: 14.417+/-0.000 χ^2/NDF : 1558918185.6/29

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.585+/-0.000 χ^2/NDF : 2038592431.9/33

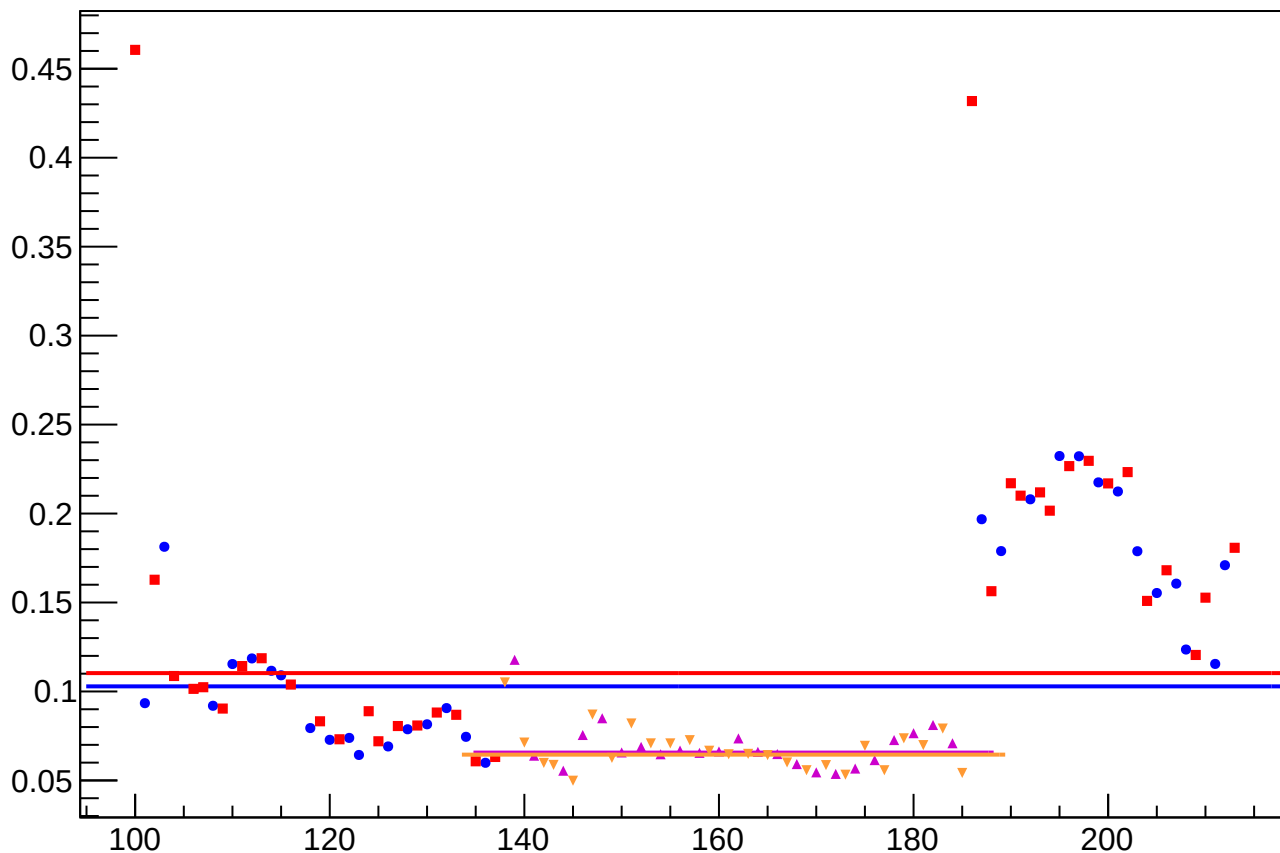
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.260+/-0.000 χ^2/NDF : 5232607192.7/54

All: 15.303+/-0.000 χ^2/NDF : 10050815852.8

- sign 15.350+/-0.000 χ^2/NDF : 4798970147.1/56

yield_sam4_rms vs Slug



Right In: 0.103 $\pm$ 0.000 χ^2 /NDF: 5102459.8/29

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.110 $\pm$ 0.000 χ^2 /NDF: 5332241.4/33

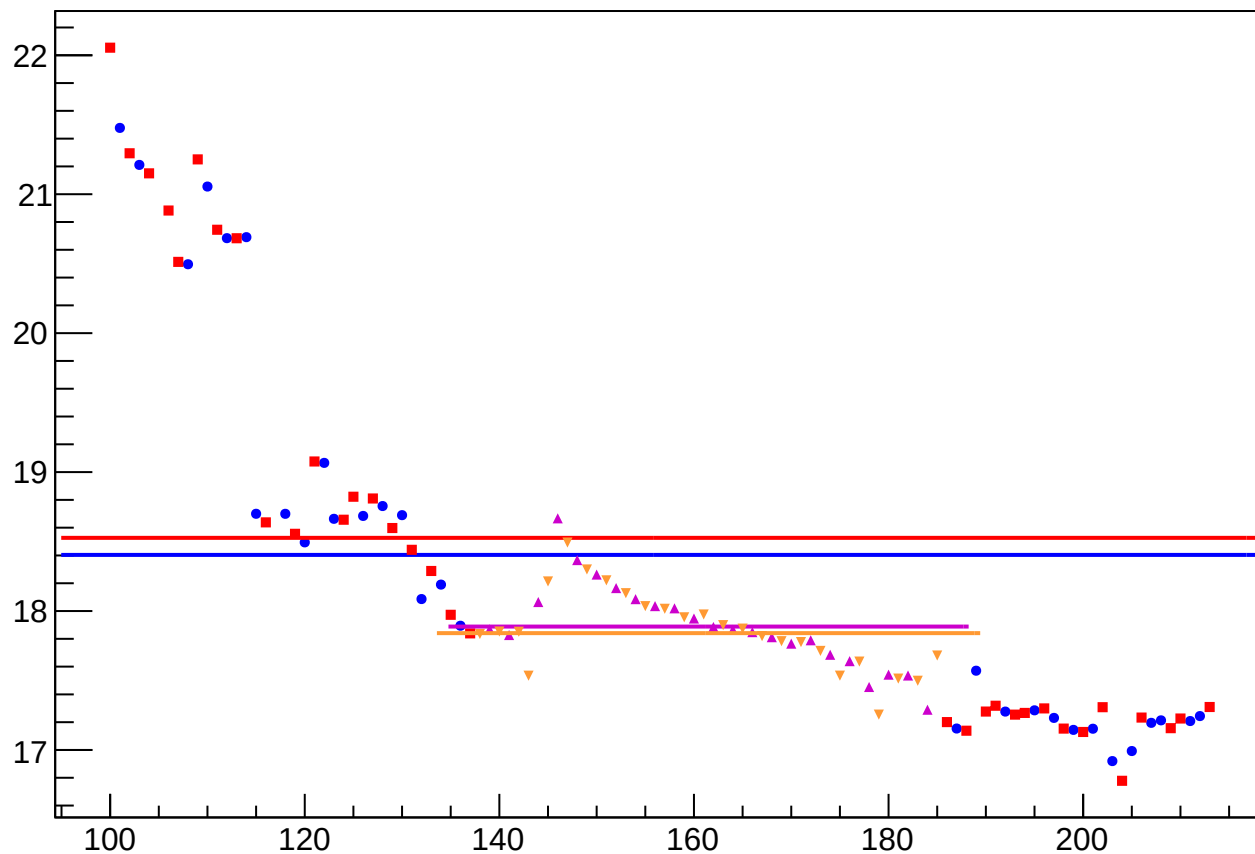
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 8477168.0/54

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 17897558.8/111

- sign 0.076 $\pm$ 0.000 χ^2 /NDF: 9380090.2/56

yield_sam5_mean vs Slug



Right In: 18.404 $\pm$ 0.000 χ^2 /NDF: 31905257071.9/29

Left Out: 17.841 $\pm$ 0.000 χ^2 /NDF: 1283287989.7/24

Right Out: 18.527 $\pm$ 0.000 χ^2 /NDF: 34195733248.9/33

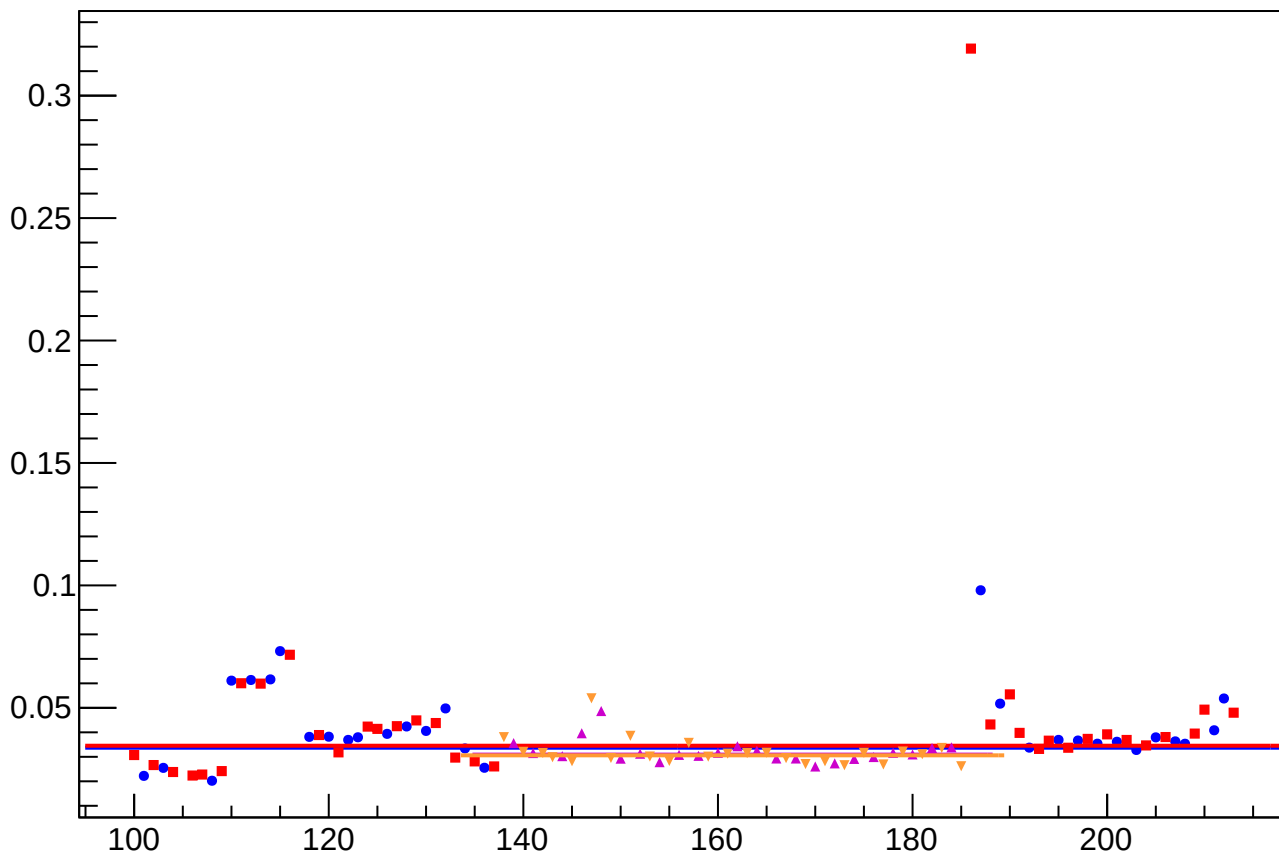
Left In: 17.888 $\pm$ 0.000 χ^2 /NDF: 1203002311.3/22

+ sign 18.066 $\pm$ 0.000 χ^2 /NDF: 35549587124.7/54

All: 18.111 $\pm$ 0.000 χ^2 /NDF: 74054805581.4

- sign 18.157 $\pm$ 0.000 χ^2 /NDF: 38378757017.8/56

yield_sam5_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 1993511.1/29

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 2431955.5/33

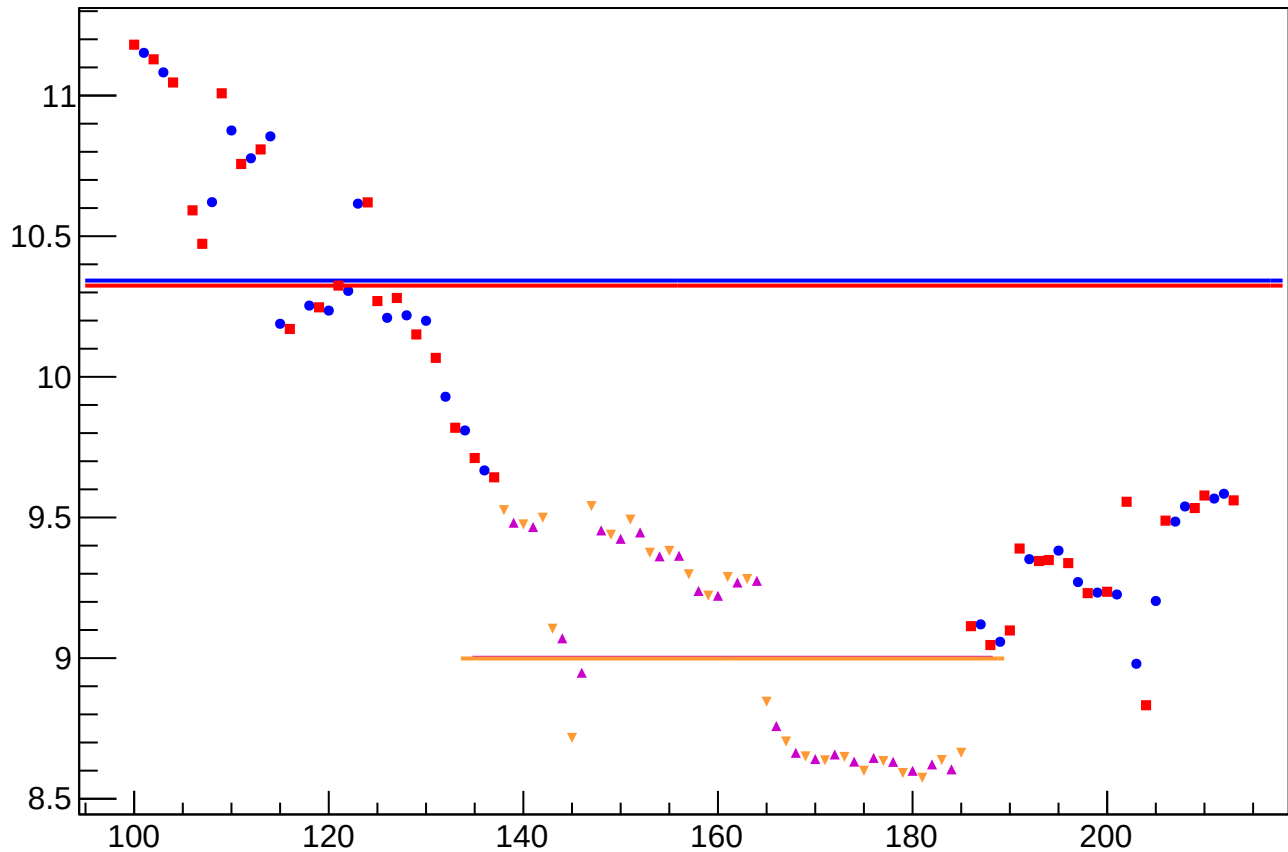
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2728772.9/54

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 5816796.3/111

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 3077923.0/56

yield_sam6_mean vs Slug



Right In: 10.342 $\pm$ 0.000 χ^2 /NDF: 15390943756.1/29

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.324 $\pm$ 0.000 χ^2 /NDF: 13995871997.3/33

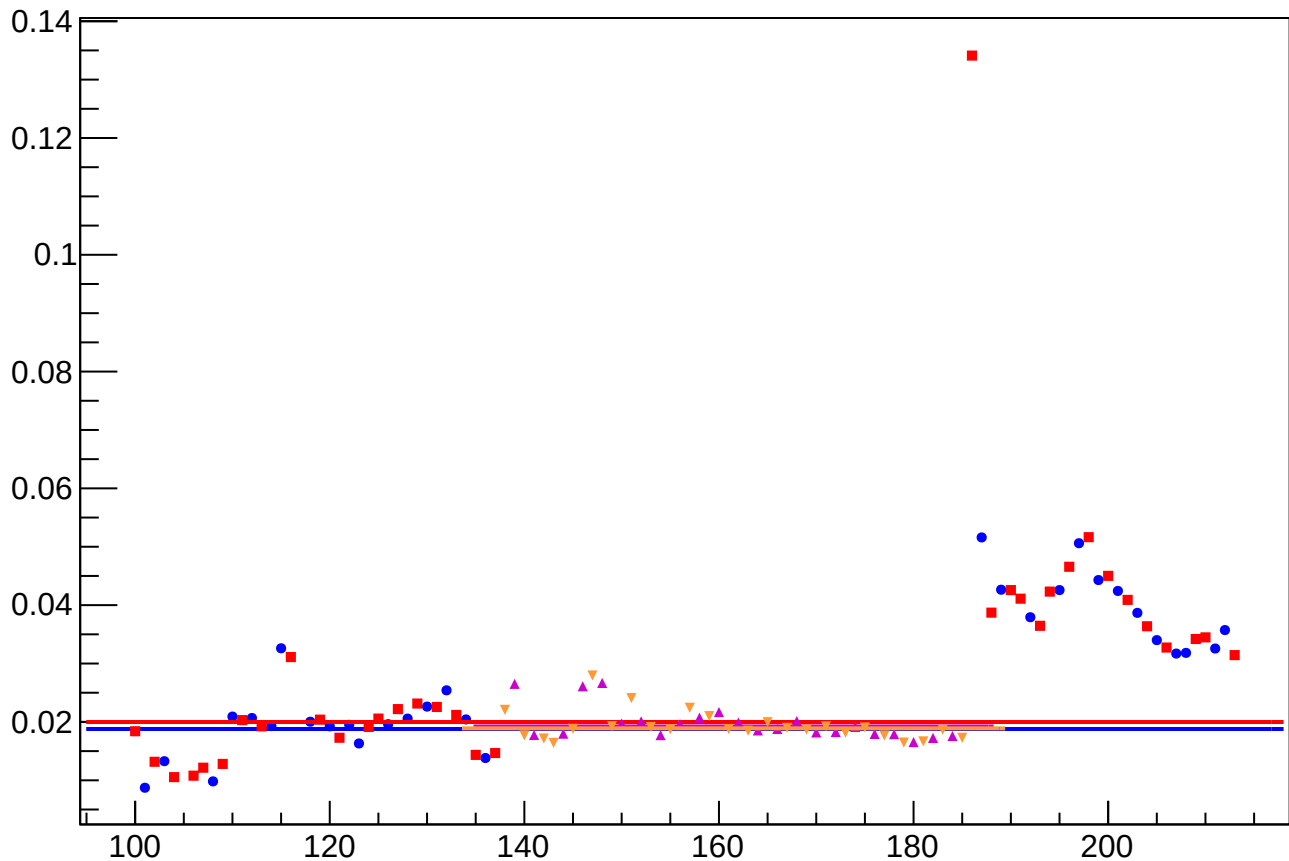
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.546 $\pm$ 0.000 χ^2 /NDF: 56351043527.6/54

All: 9.555 $\pm$ 0.000 χ^2 /NDF: 107578919595.0

- sign 9.565 $\pm$ 0.000 χ^2 /NDF: 51215179117.8/56

yield_sam6_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 7174088.4/29

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.020+/-0.000 χ^2/NDF : 7202105.1/33

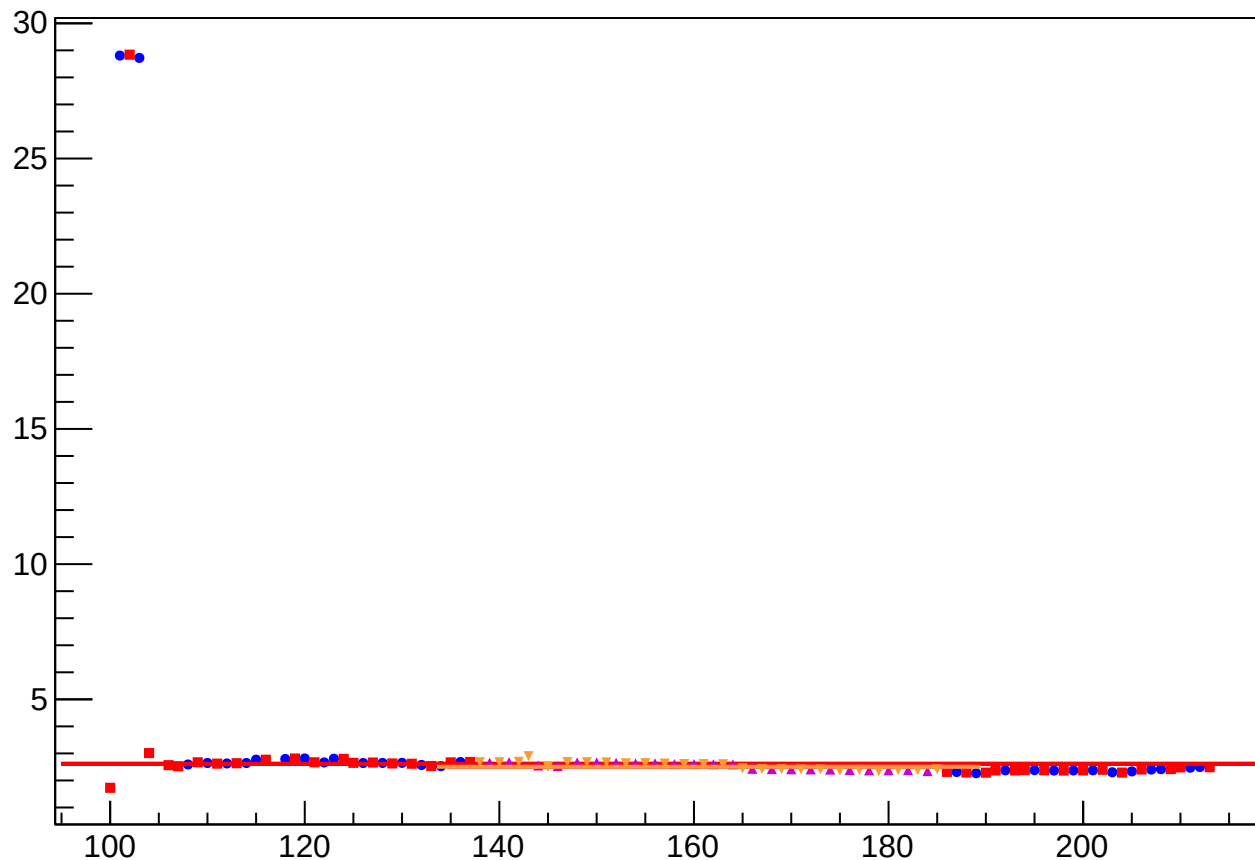
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.019+/-0.000 χ^2/NDF : 7602705.0/54

All: 0.019+/-0.000 χ^2/NDF : 15344865.1/111

- sign 0.020+/-0.000 χ^2/NDF : 7705003.5/56

yield_sam7_mean vs Slug



Right In: 2.617 $\pm$ 0.000 χ^2 /NDF: 181614045731.8/29

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.613 $\pm$ 0.000 χ^2 /NDF: 90696072608.1/33

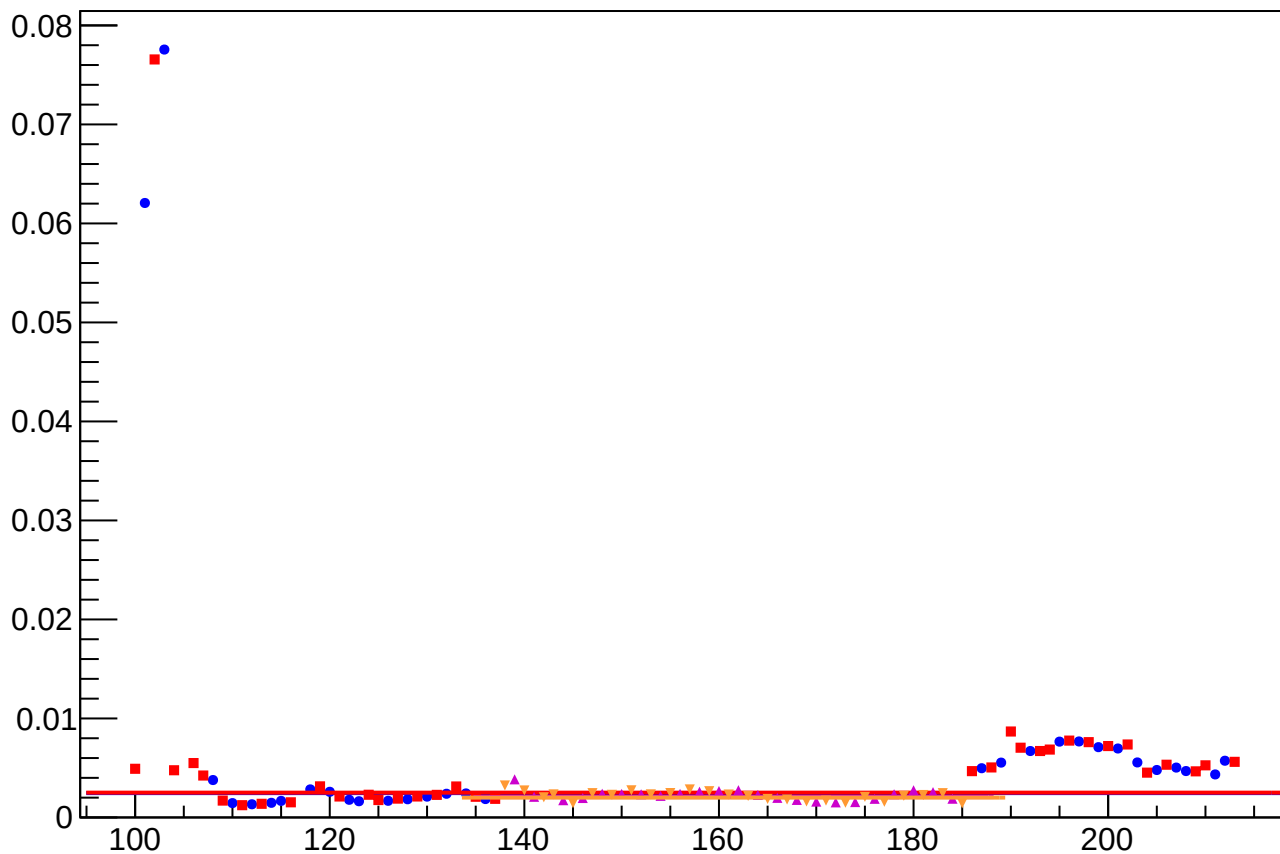
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.541 $\pm$ 0.000 χ^2 /NDF: 259594039942.3/54

All: 2.541 $\pm$ 0.000 χ^2 /NDF: 406206489414.6

- sign 2.542 $\pm$ 0.000 χ^2 /NDF: 146608016613.7/56

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9848945.4/29

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10307160.1/33

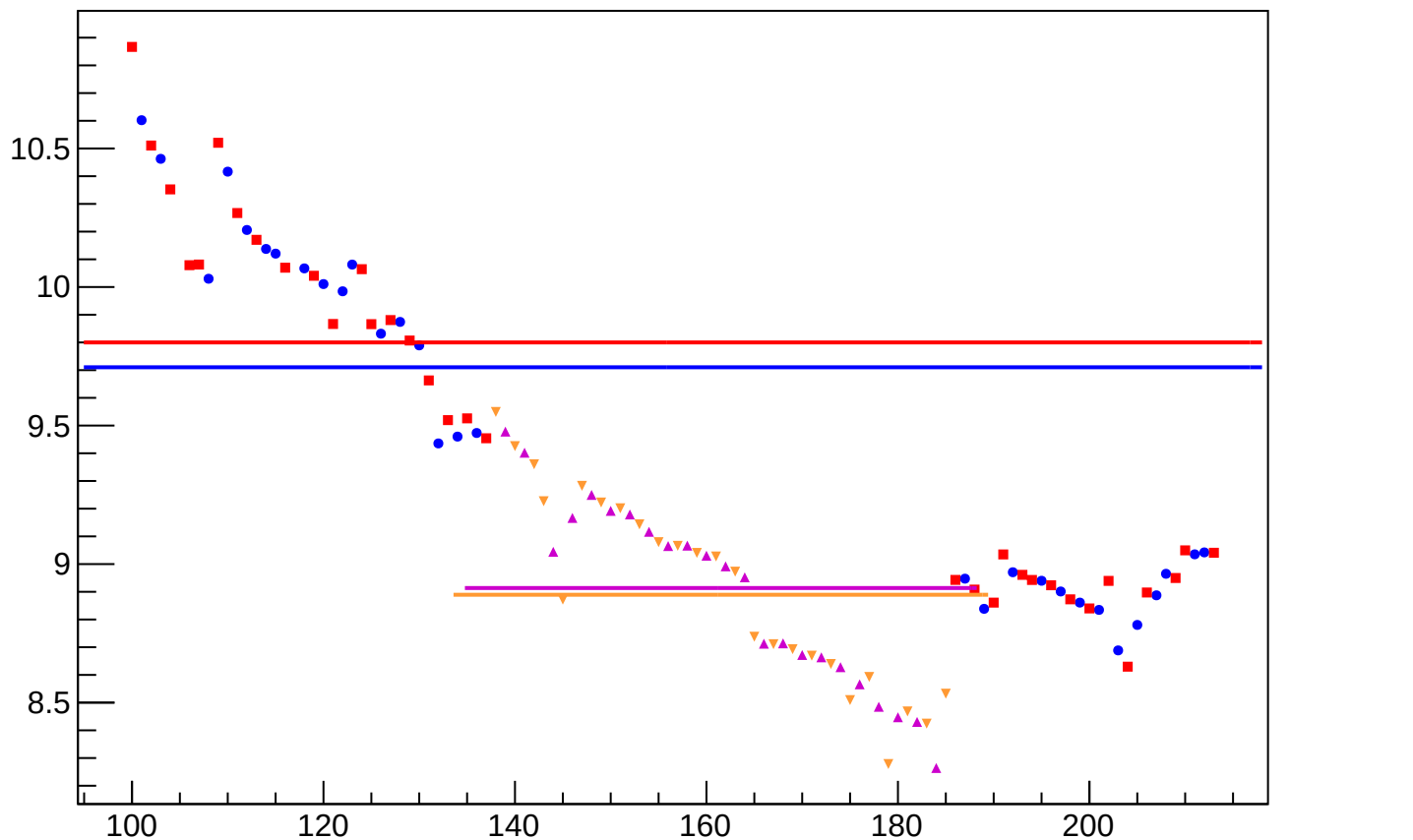
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11776351.2/54

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 23855976.0/111

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12057780.9/56

yield_sam8_mean vs Slug



Right In: 9.710 $\pm$ 0.000 χ^2/NDF : 73610991896.1/29

Left Out: 8.889 $\pm$ 0.000 χ^2/NDF : 34704694045.9/24

Right Out: 9.800 $\pm$ 0.000 χ^2/NDF : 77424660555.8/33

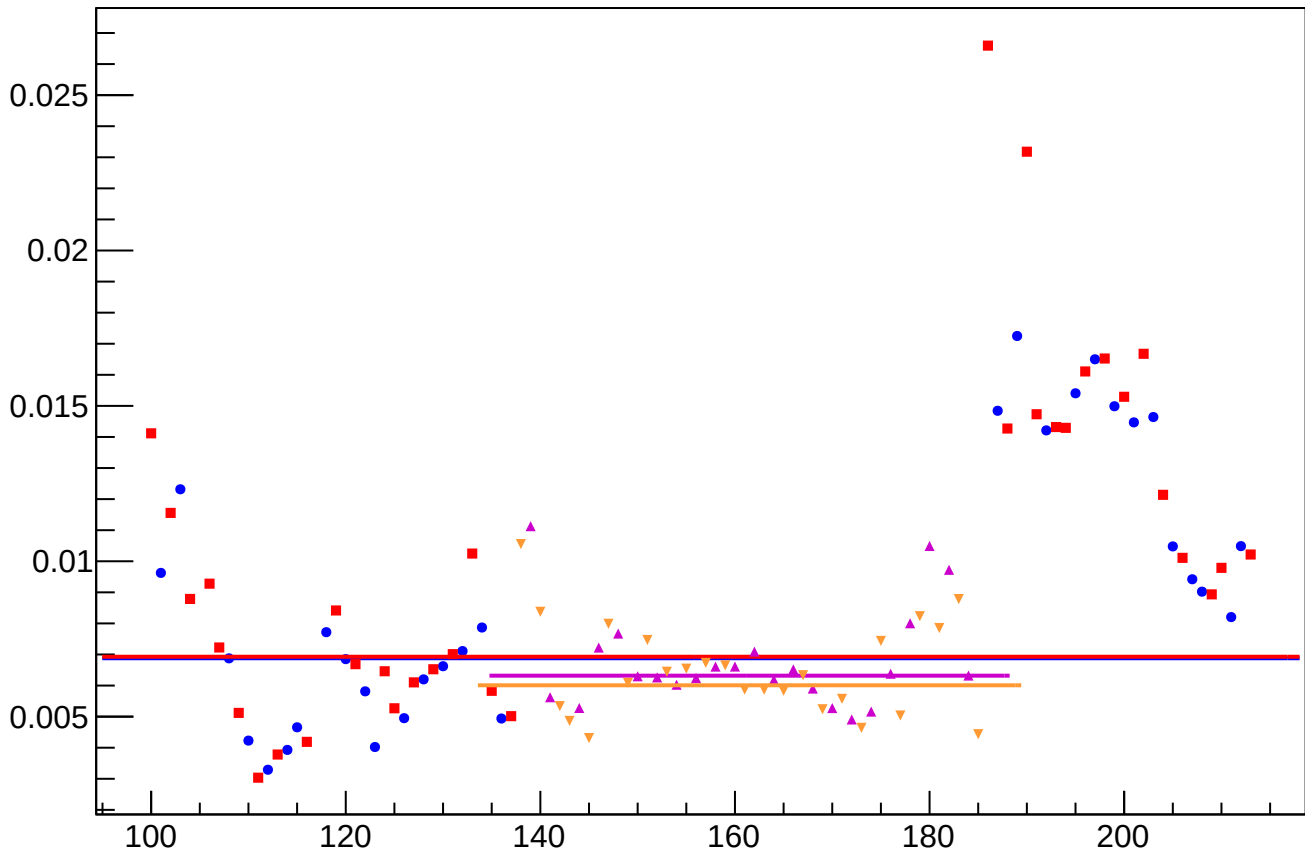
Left In: 8.914 $\pm$ 0.000 χ^2/NDF : 28497227562.7/22

+ sign 9.200 $\pm$ 0.000 χ^2/NDF : 210916153988.1/54

All: 9.241 $\pm$ 0.000 χ^2/NDF : 434019807058.1

- sign 9.286 $\pm$ 0.000 χ^2/NDF : 220791313690.2/56

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5945480.6/29

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7550874.3/33

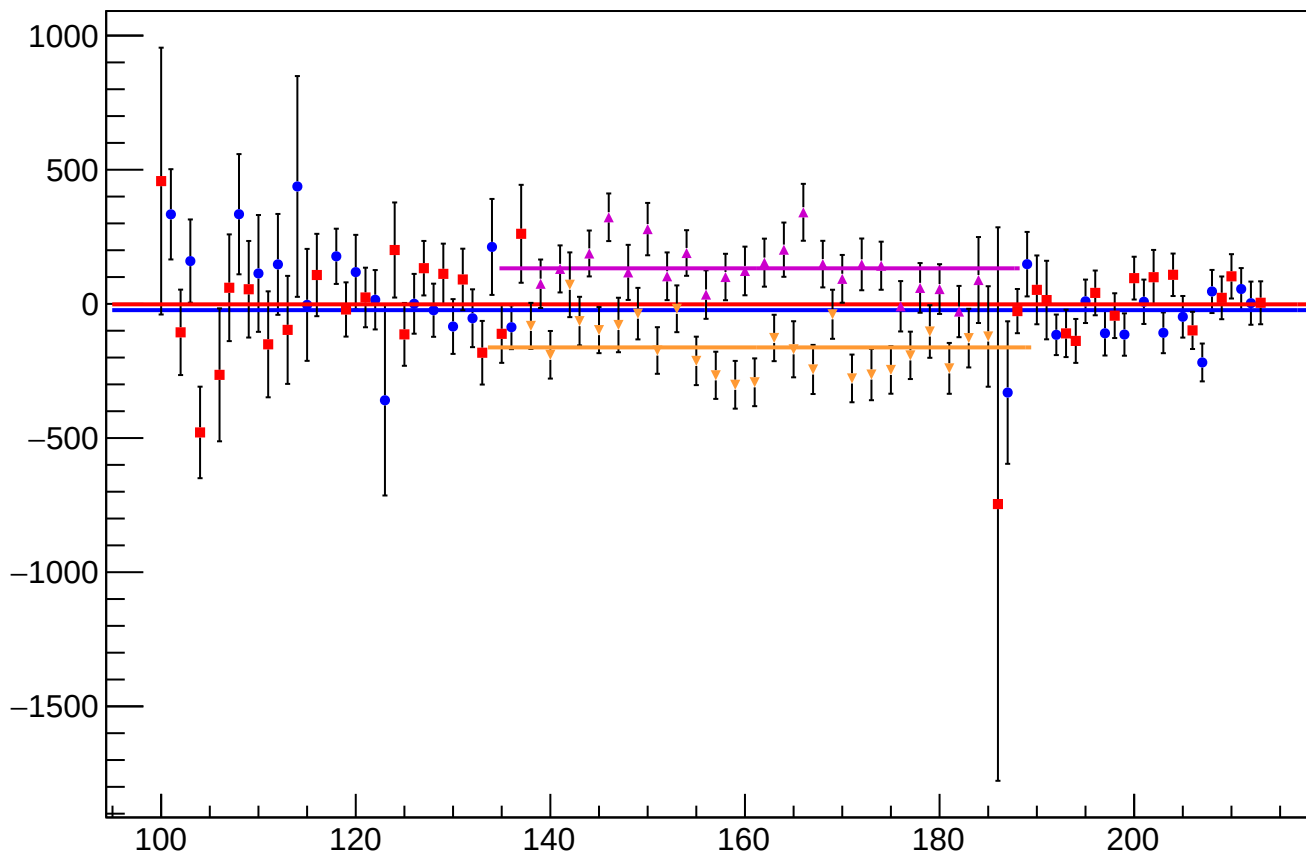
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7488516.4/54

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 16269594.3/111

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8746441.4/56

reg_asym_sam1_mean vs Slug



Right In: -23.312 ± 18.784 χ^2/NDF : 38.0/29

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -1.668 ± 18.673 χ^2/NDF : 36.6/33

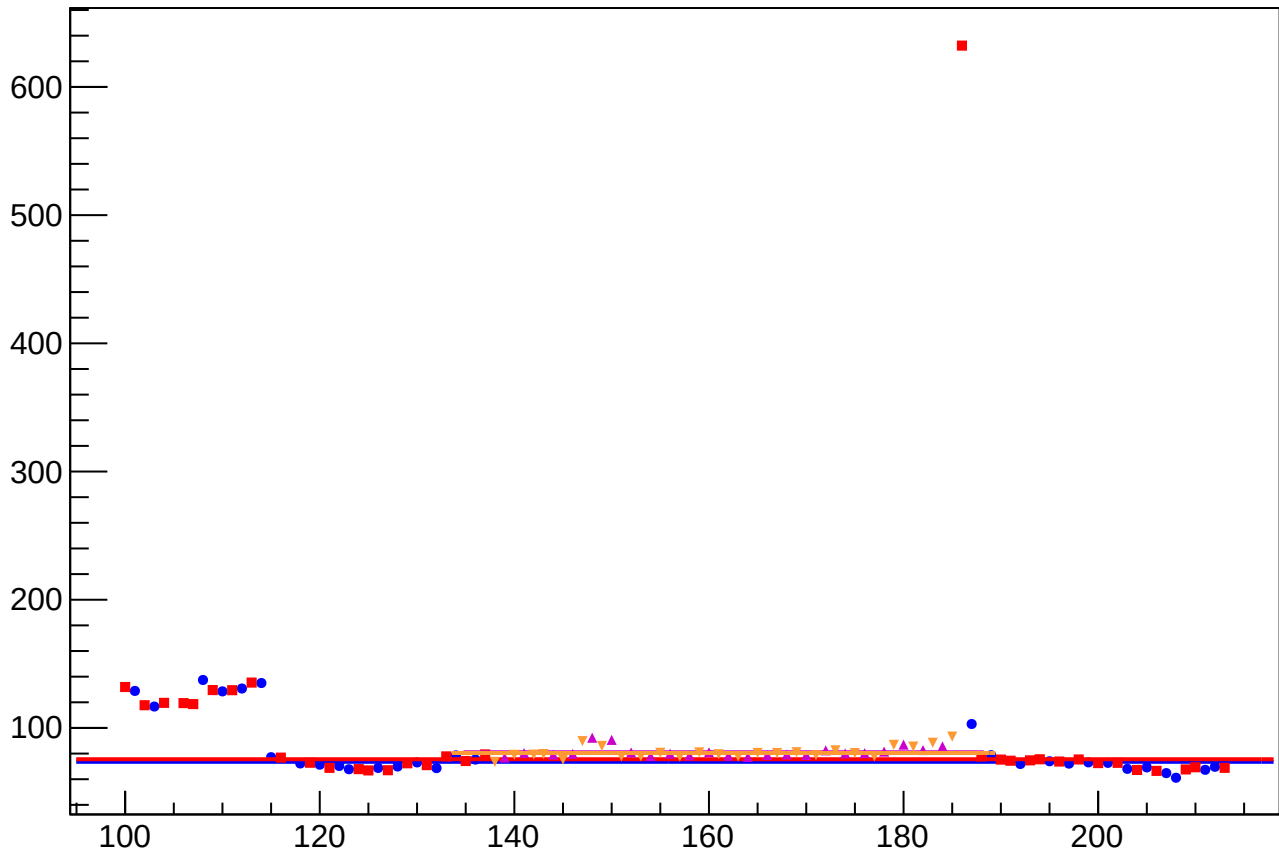
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -92.883 ± 13.269 χ^2/NDF : 91.1/54

All: -16.091 ± 9.447 χ^2/NDF : 241.2/111

- sign 62.872 ± 13.455 χ^2/NDF : 82.2/56

reg_asym_sam1_rms vs Slug



Right In: 73.591 $\pm$ 0.013 χ^2 /NDF: 1050510.5/29

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 75.590 $\pm$ 0.013 χ^2 /NDF: 1695994.5/33

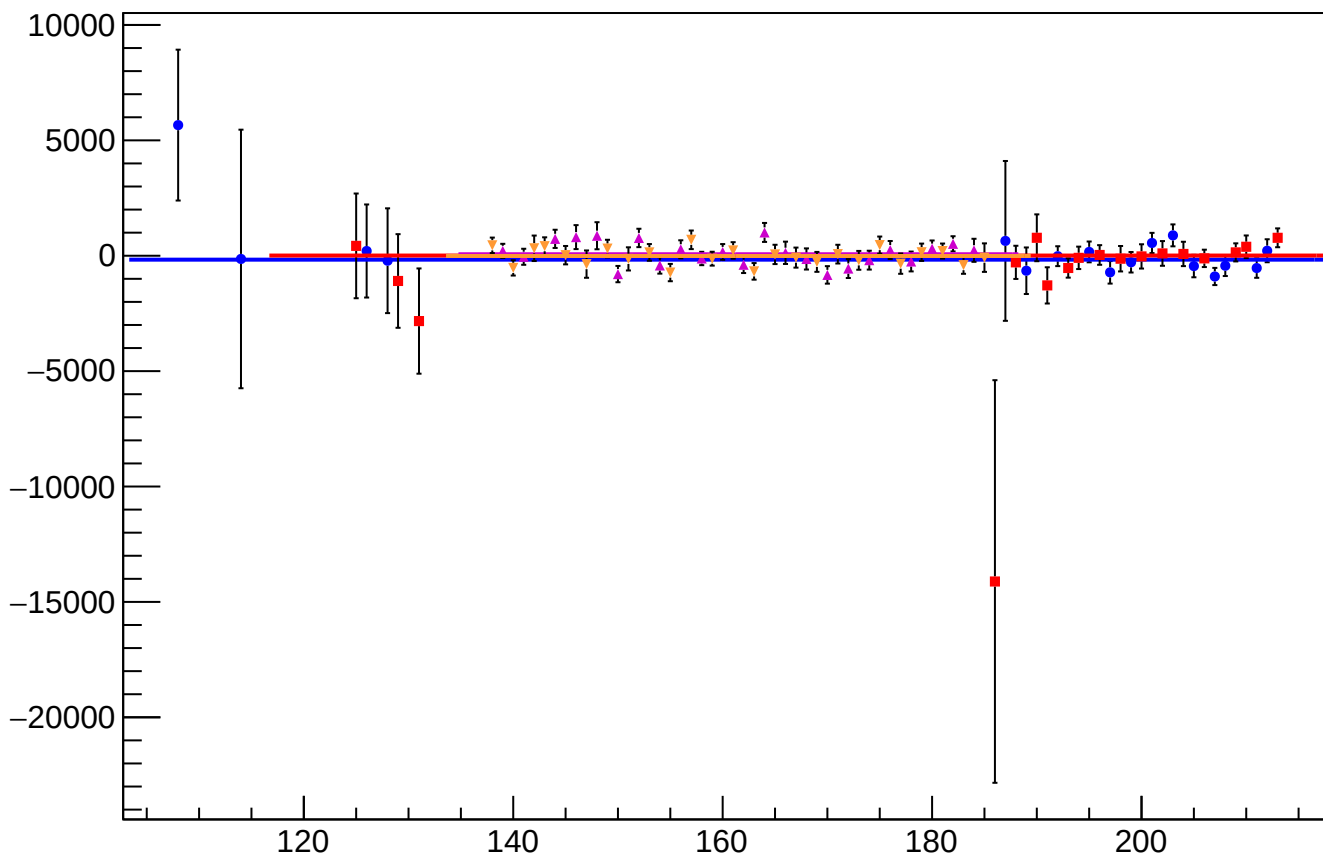
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 77.032 $\pm$ 0.009 χ^2 /NDF: 1274392.3/54

All: 77.607 $\pm$ 0.007 χ^2 /NDF: 3131378.1/111

- sign 78.198 $\pm$ 0.010 χ^2 /NDF: 1849374.0/56

asym_sam1_correction_mean vs Slug



Right In: -169.719 ± 132.483 χ^2/NDF : 19.0/16

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: 8.494 ± 130.872 χ^2/NDF : 14.2/17

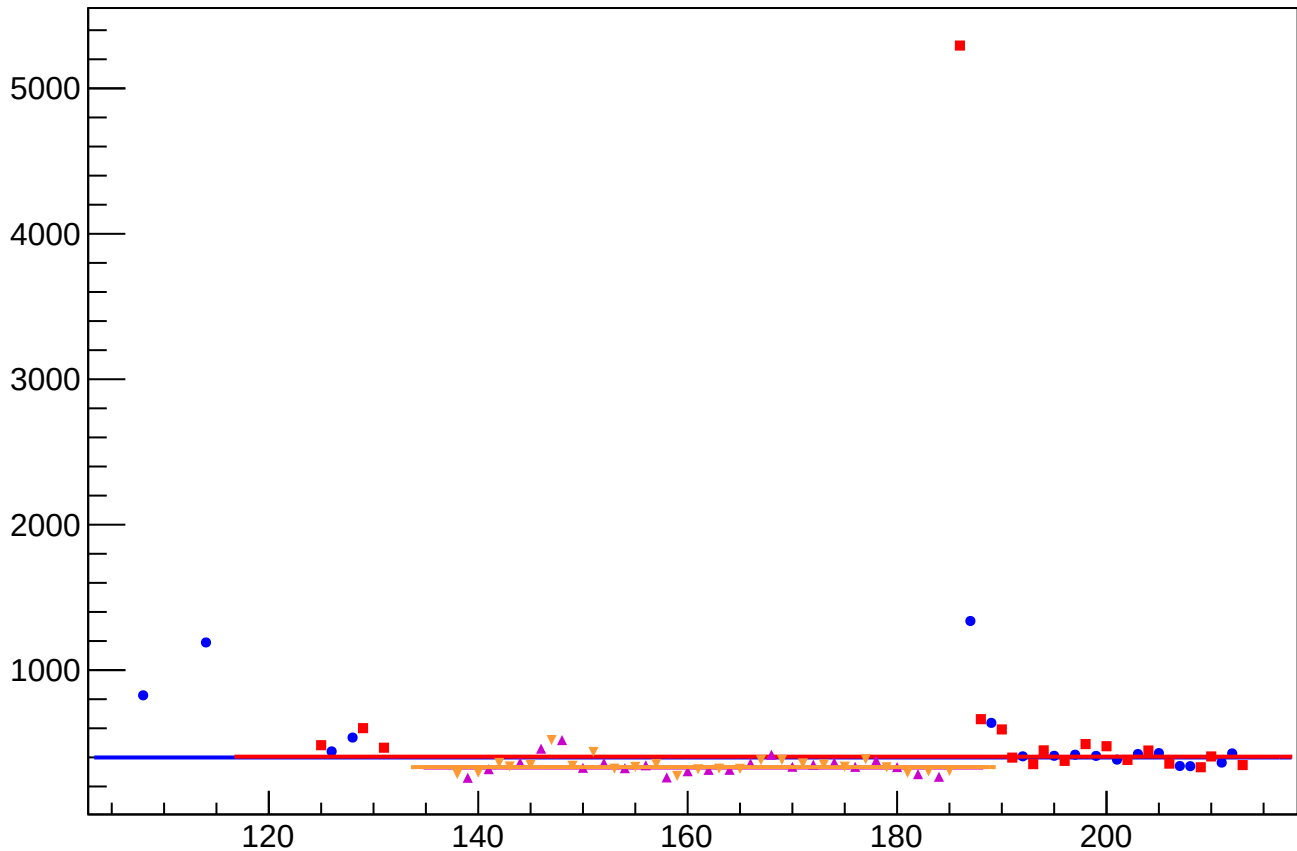
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -51.779 ± 67.465 χ^2/NDF : 42.6/41

All: -1.842 ± 47.993 χ^2/NDF : 95.4/82

- sign 49.319 ± 68.286 χ^2/NDF : 51.7/40

asym_sam1_correction_rms vs Slug



Right In: 399.348 $\pm$ 0.094 χ^2 /NDF: 467473.8/16

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 405.051 $\pm$ 0.093 χ^2 /NDF: 1276432.4/17

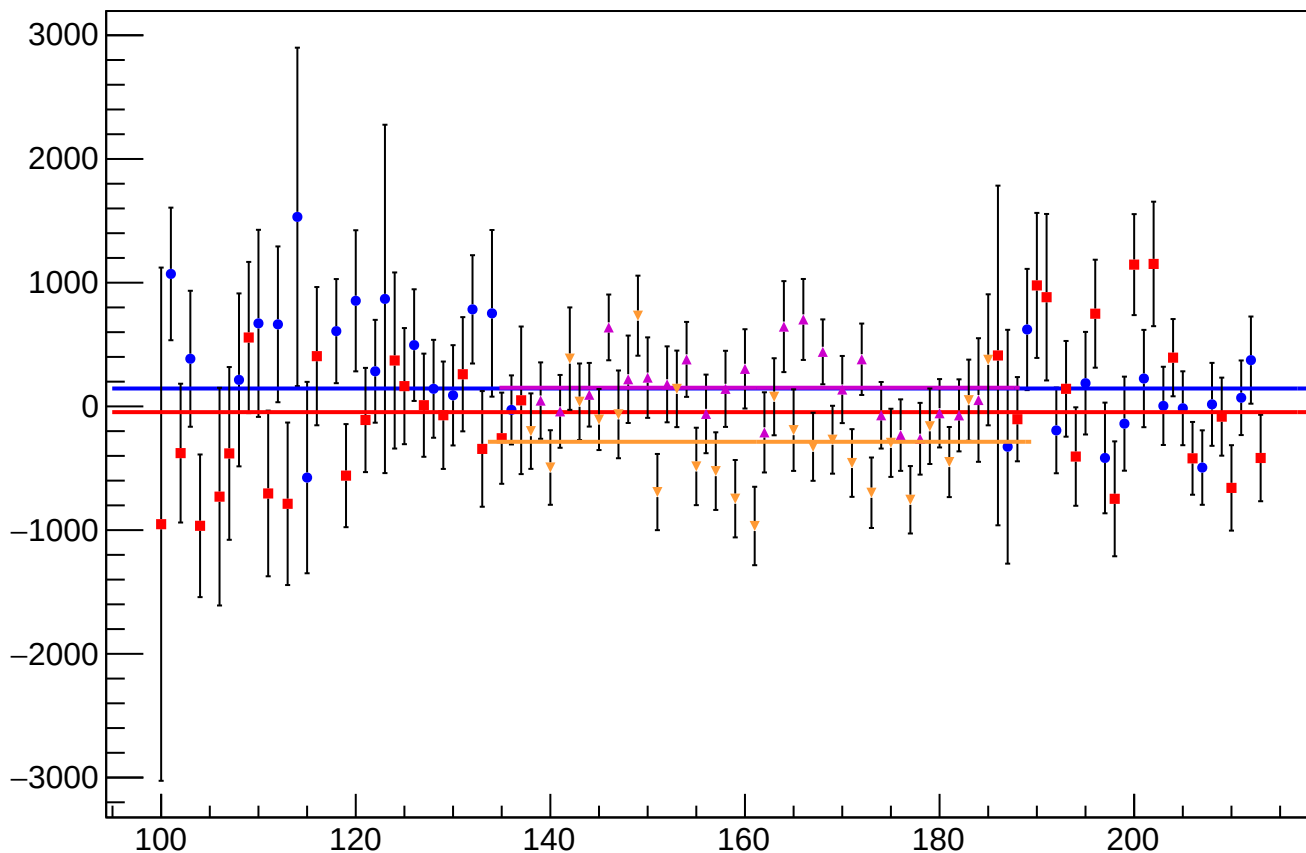
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 350.378 $\pm$ 0.048 χ^2 /NDF: 1428520.2/41

All: 350.400 $\pm$ 0.034 χ^2 /NDF: 3979768.8/82

- sign 350.422 $\pm$ 0.048 χ^2 /NDF: 2551248.1/40

reg_asym_sam2_mean vs Slug



Right In: 144.687 ± 77.615 χ^2/NDF : 23.3/29

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: -46.389 ± 78.050 χ^2/NDF : 44.9/33

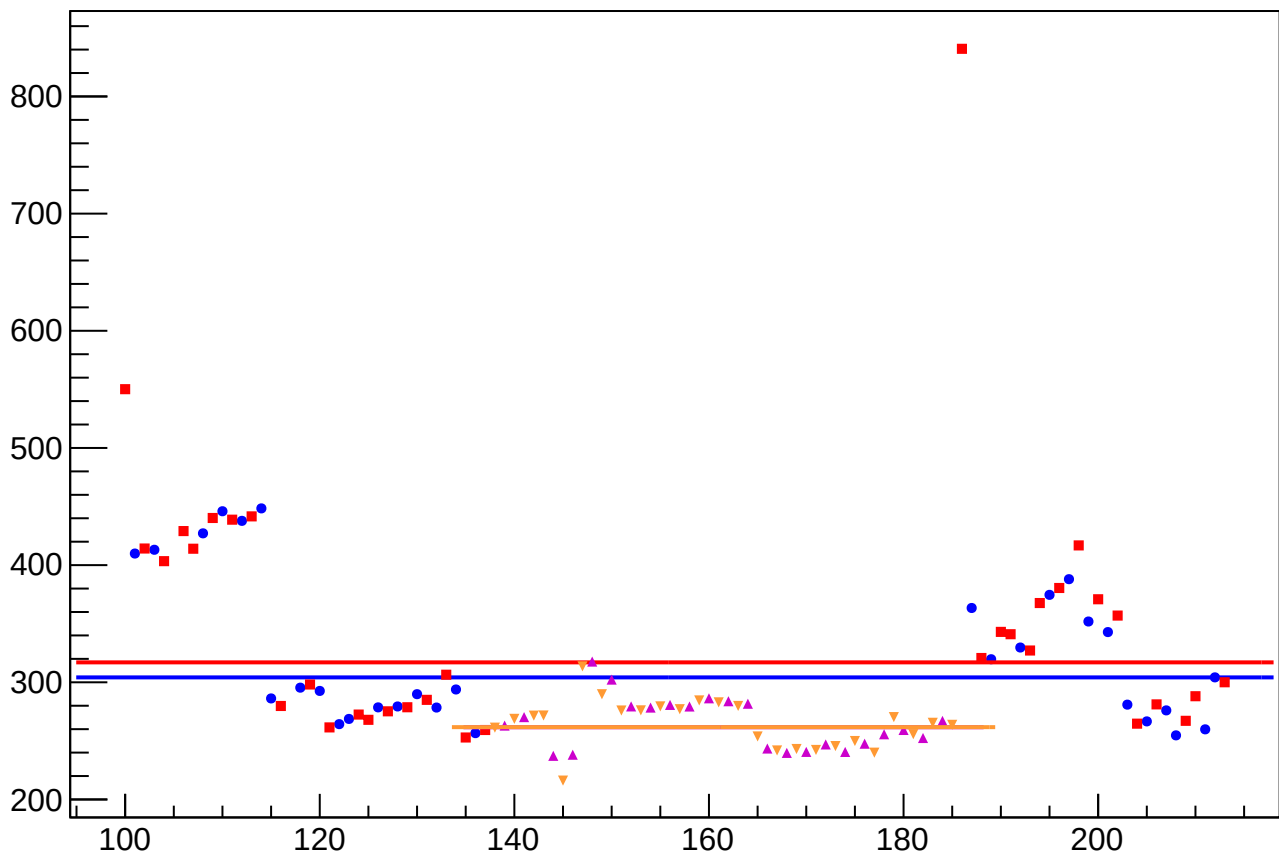
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -121.253 ± 48.006 χ^2/NDF : 78.9/54

All: -25.817 ± 34.270 χ^2/NDF : 154.4/111

- sign 73.354 ± 48.937 χ^2/NDF : 67.5/56

reg_asym_sam2_rms vs Slug



Right In: 304.185+/-0.055 χ^2/NDF : 851904.0/29

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 317.005+/-0.055 χ^2/NDF : 1291888.0/33

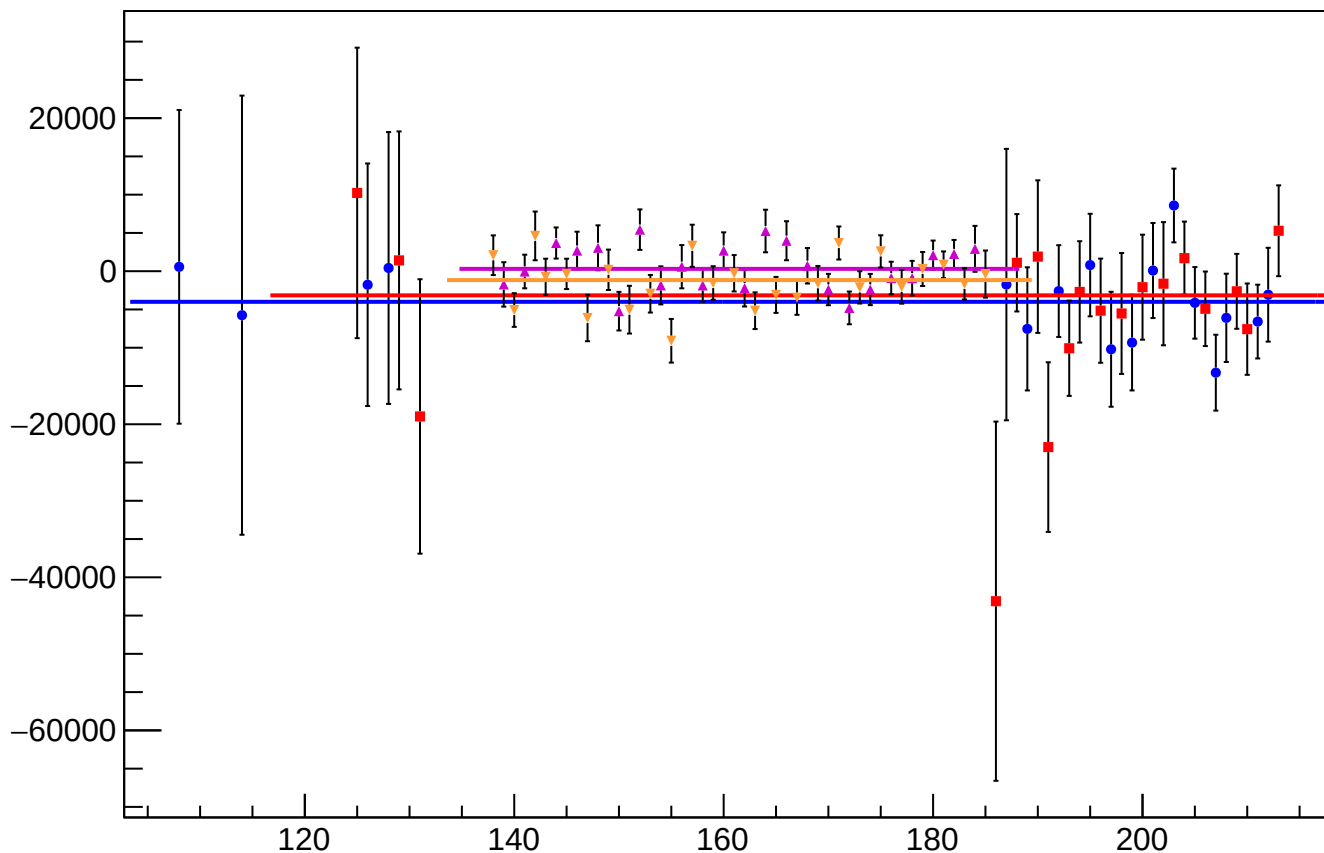
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 277.966+/-0.034 χ^2/NDF : 1454743.2/54

All: 280.632+/-0.024 χ^2/NDF : 3598263.2/111

- sign 283.403+/-0.035 χ^2/NDF : 2130942.8/56

asym_sam2_correction_mean vs Slug



Right In: -4000.974 ± 1626.690 χ^2/NDF : 13.5/16

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -3157.362 ± 1663.635 χ^2/NDF : 13.4/17

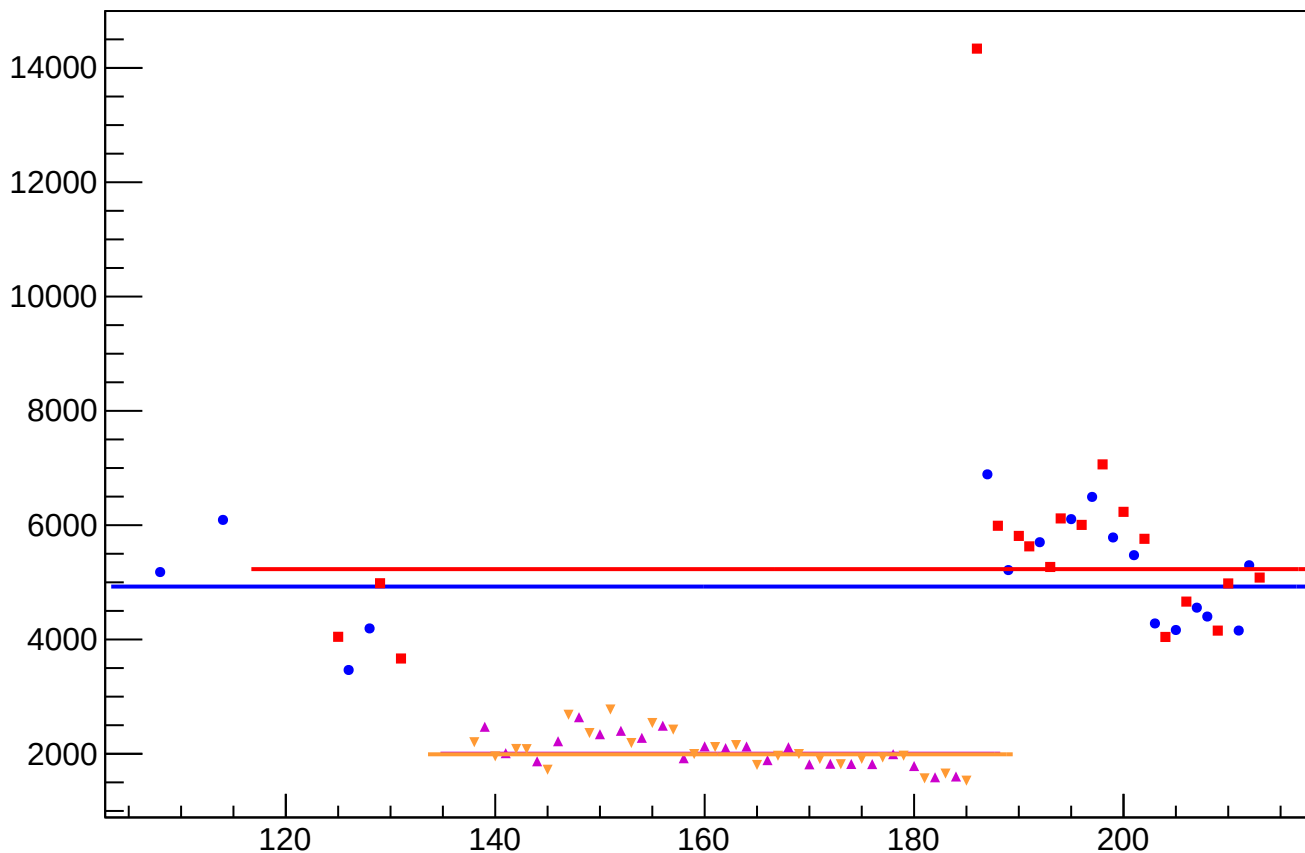
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1379.397 ± 450.676 χ^2/NDF : 55.1/41

All: -693.876 ± 323.465 χ^2/NDF : 112.6/82

- sign 34.458 ± 464.536 χ^2/NDF : 52.7/40

asym_sam2_correction_rms vs Slug



Right In: 4925.928+/-1.150 χ^2/NDF : 461958.7/16

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5231.026+/-1.176 χ^2/NDF : 835433.4/17

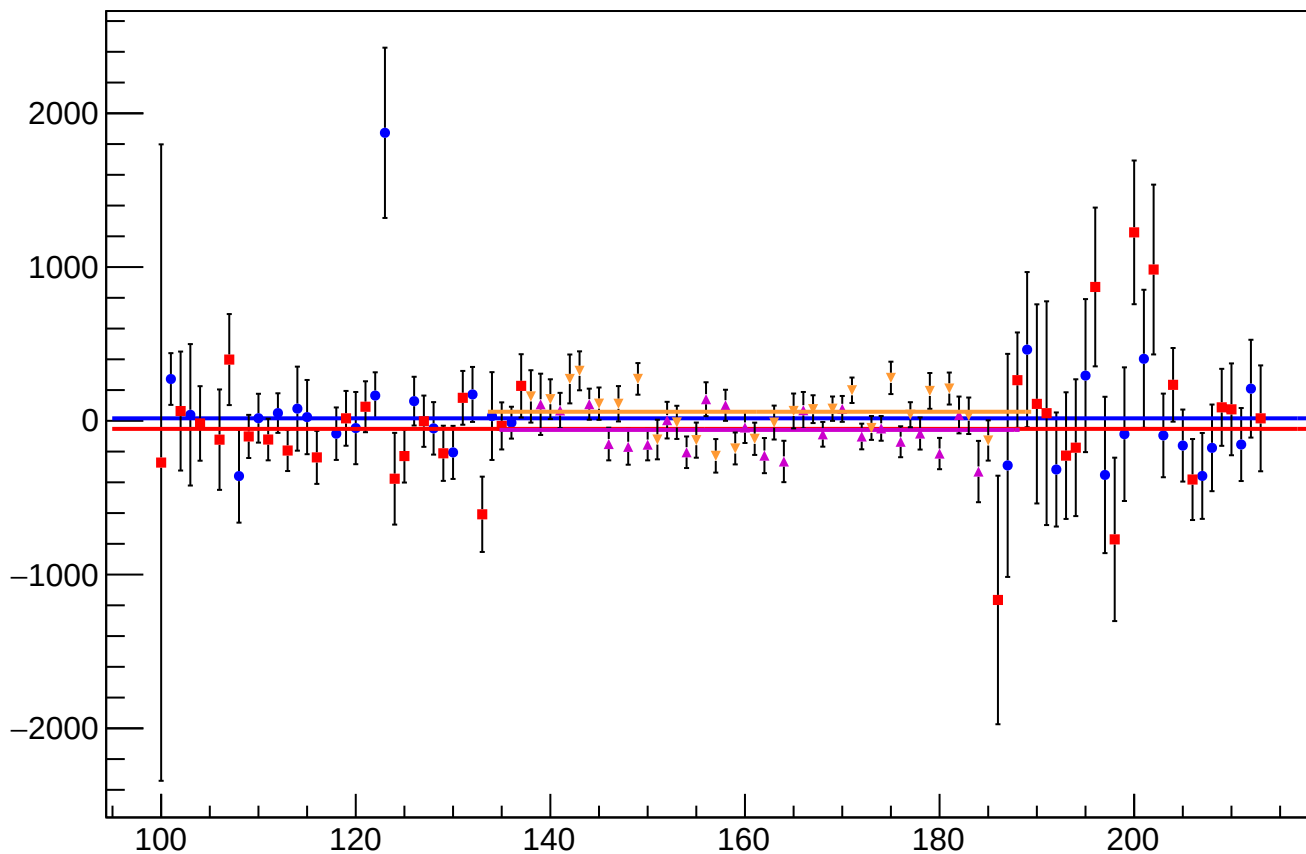
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2216.374+/-0.319 χ^2/NDF : 7198628.2/41

All: 2234.571+/-0.229 χ^2/NDF : 15573157.6/80

- sign 2253.906+/-0.328 χ^2/NDF : 8367803.8/40

reg_asym_sam3_mean vs Slug



Right In: 16.224 ± 39.489 $\chi^2/\text{NDF}: 27.0/29$

Left Out: 58.983 ± 21.137 $\chi^2/\text{NDF}: 46.9/24$

Right Out: -52.460 ± 39.367 $\chi^2/\text{NDF}: 40.3/33$

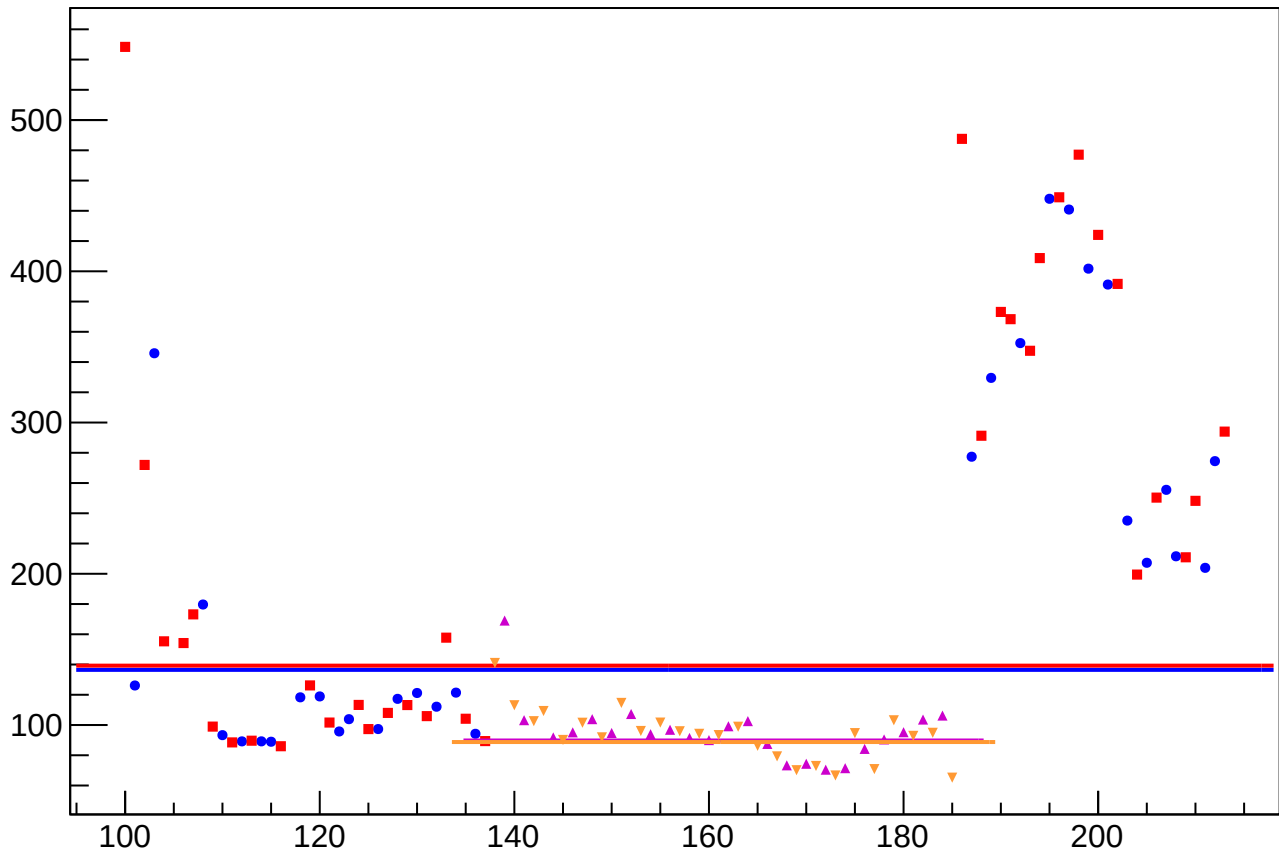
Left In: -59.235 ± 21.921 $\chi^2/\text{NDF}: 29.4/22$

+ sign 49.460 ± 18.636 $\chi^2/\text{NDF}: 74.8/54$

All: -2.622 ± 13.356 $\chi^2/\text{NDF}: 160.6/111$

- sign -57.631 ± 19.152 $\chi^2/\text{NDF}: 69.7/56$

reg_asym_sam3_rms vs Slug



Right In: 136.464 $\pm$ 0.028 χ^2 /NDF: 7165920.1/29

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 139.259 $\pm$ 0.028 χ^2 /NDF: 8494304.9/33

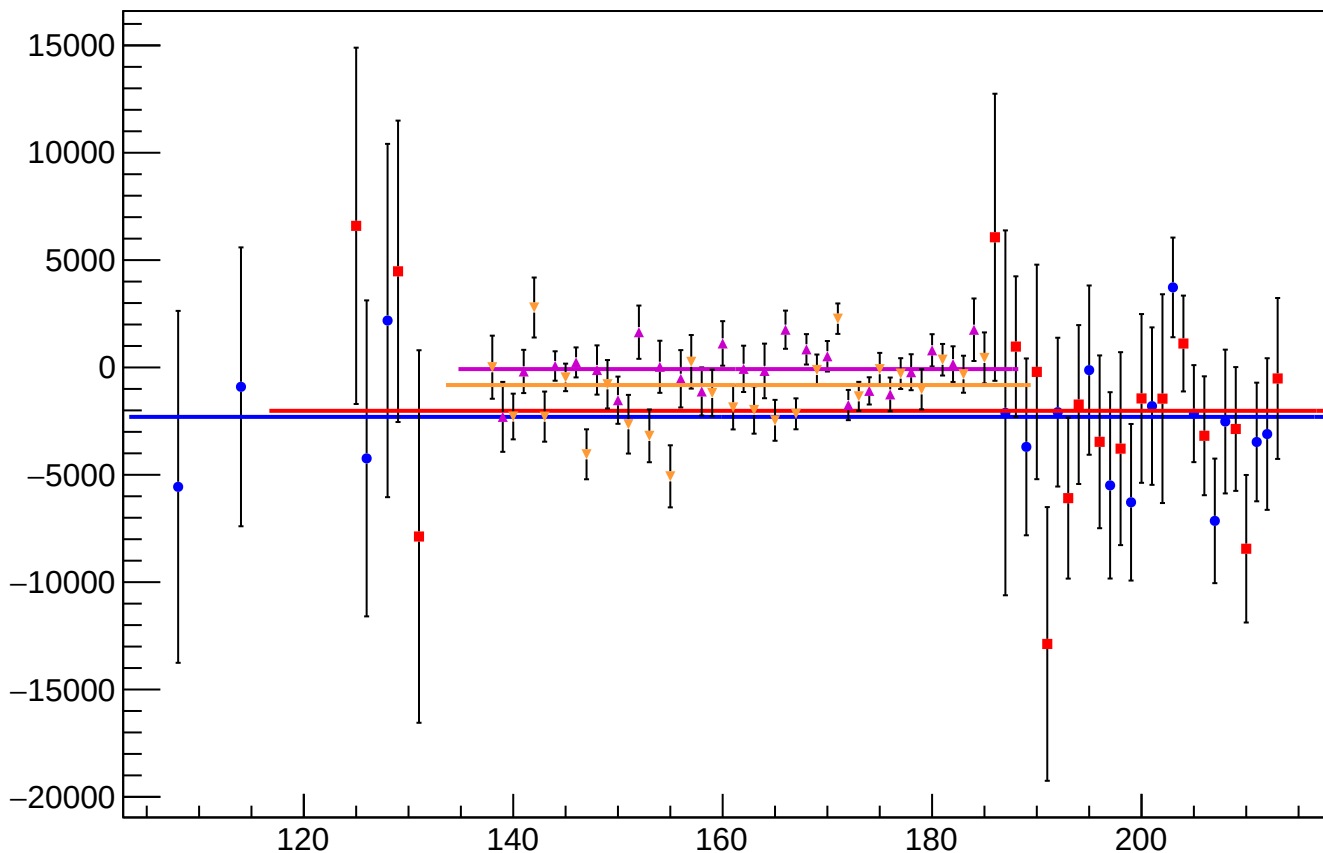
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 99.375 $\pm$ 0.013 χ^2 /NDF: 10515034.2/54

All: 100.398 $\pm$ 0.009 χ^2 /NDF: 22320528.0/11

- sign 101.480 $\pm$ 0.014 χ^2 /NDF: 11793084.6/56

asym_sam3_correction_mean vs Slug



Right In: -2302.137 ± 878.504 χ^2/NDF : 12.5/16

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -2019.540 ± 913.490 χ^2/NDF : 15.1/17

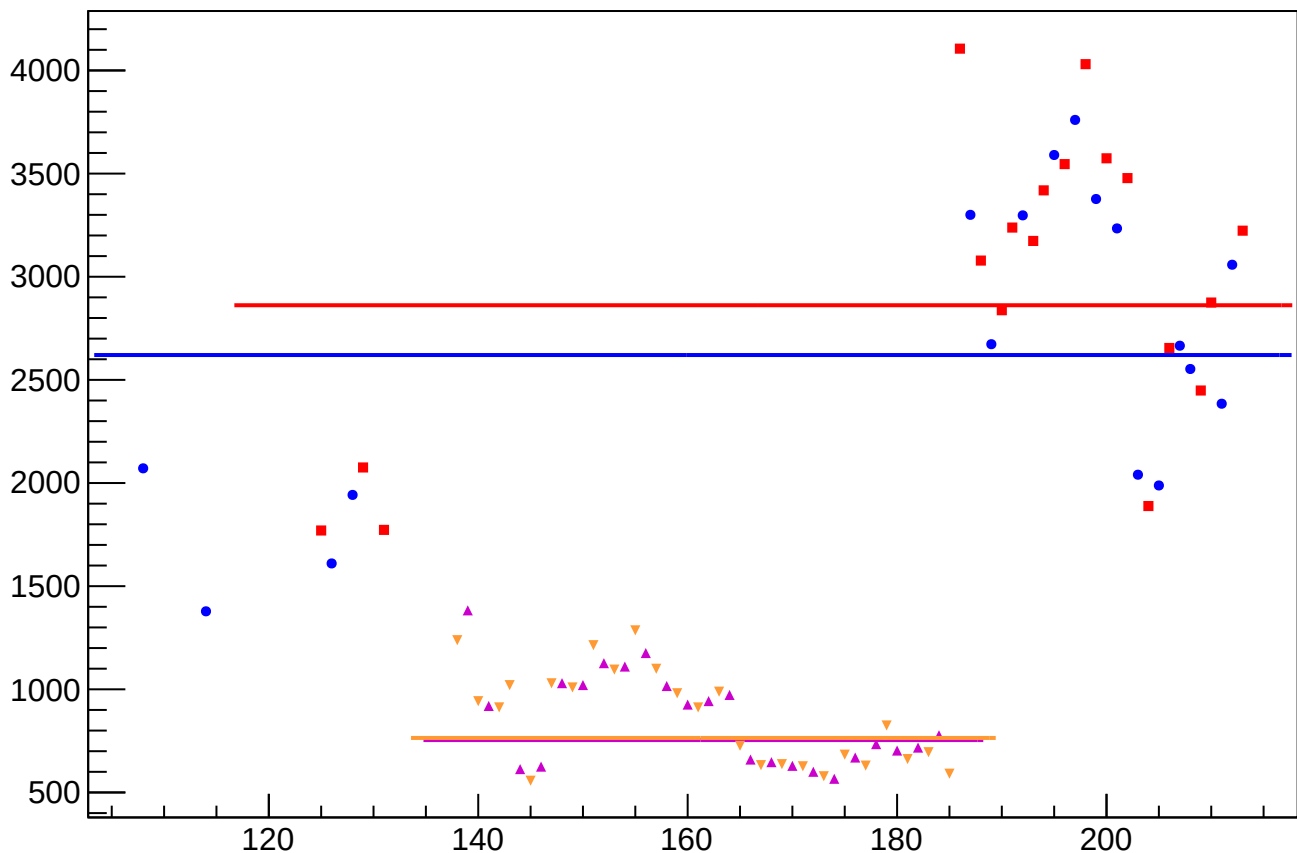
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -881.511 ± 180.527 χ^2/NDF : 83.5/41

All: -522.493 ± 128.473 χ^2/NDF : 139.2/82

- sign -154.086 ± 182.872 χ^2/NDF : 47.7/40

asym_sam3_correction_rms vs Slug



Right In: 2620.481 $\pm$ 0.621 χ^2 /NDF: 952222.8/16

Left Out: 764.280 $\pm$ 0.130 χ^2 /NDF: 2315985.8/24

Right Out: 2861.822 $\pm$ 0.646 χ^2 /NDF: 977557.9/17

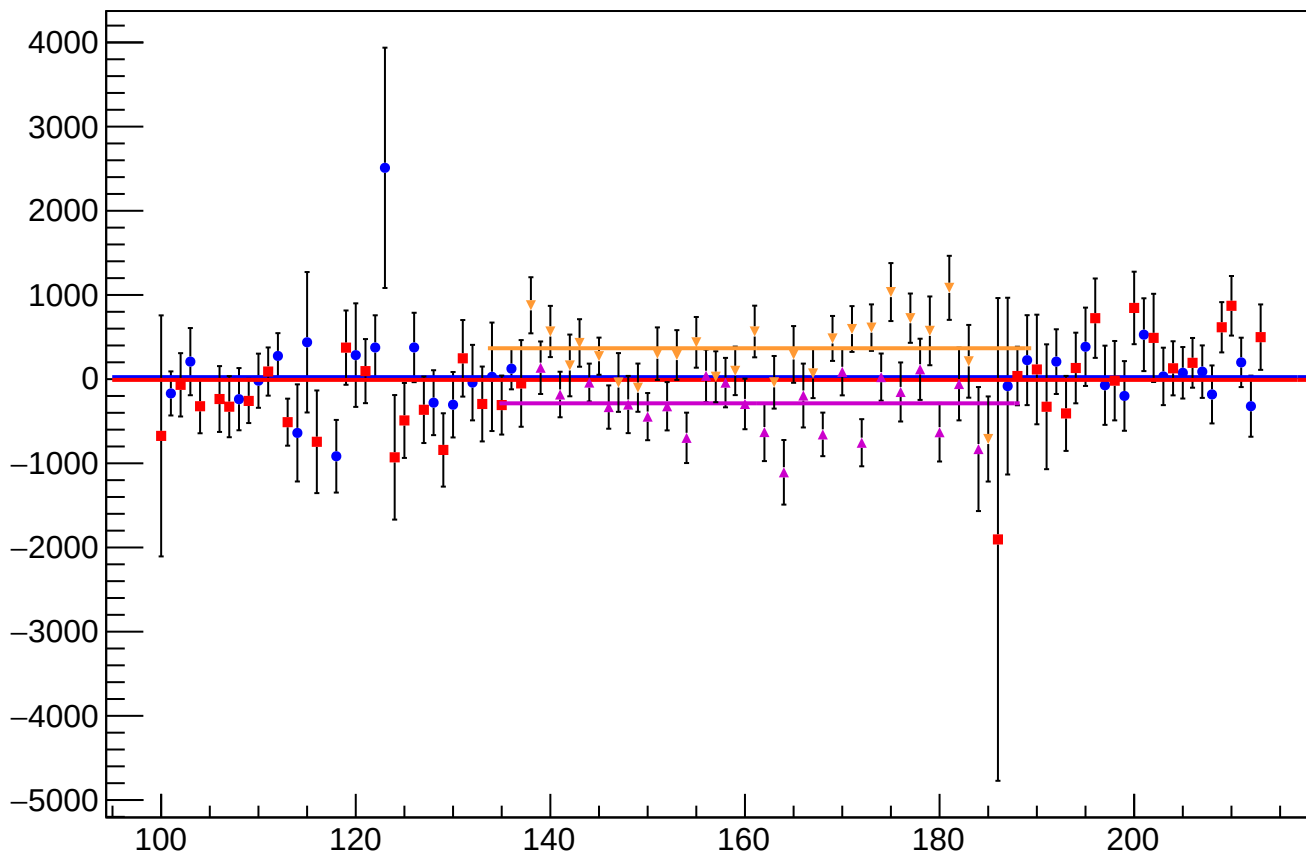
Left In: 754.027 $\pm$ 0.132 χ^2 /NDF: 2013386.7/22

+ sign 842.663 $\pm$ 0.128 χ^2 /NDF: 11819961.8/41

All: 840.608 $\pm$ 0.091 χ^2 /NDF: 25032971.3/82

- sign 838.500 $\pm$ 0.129 χ^2 /NDF: 13212484.5/40

reg_asym_sam4_mean vs Slug



Right In: 23.733 $\pm$ 70.154 χ^2 /NDF: 19.1/29

Left Out: 367.028 $\pm$ 61.943 χ^2 /NDF: 28.2/24

Right Out: -8.868 $\pm$ 68.324 χ^2 /NDF: 39.3/33

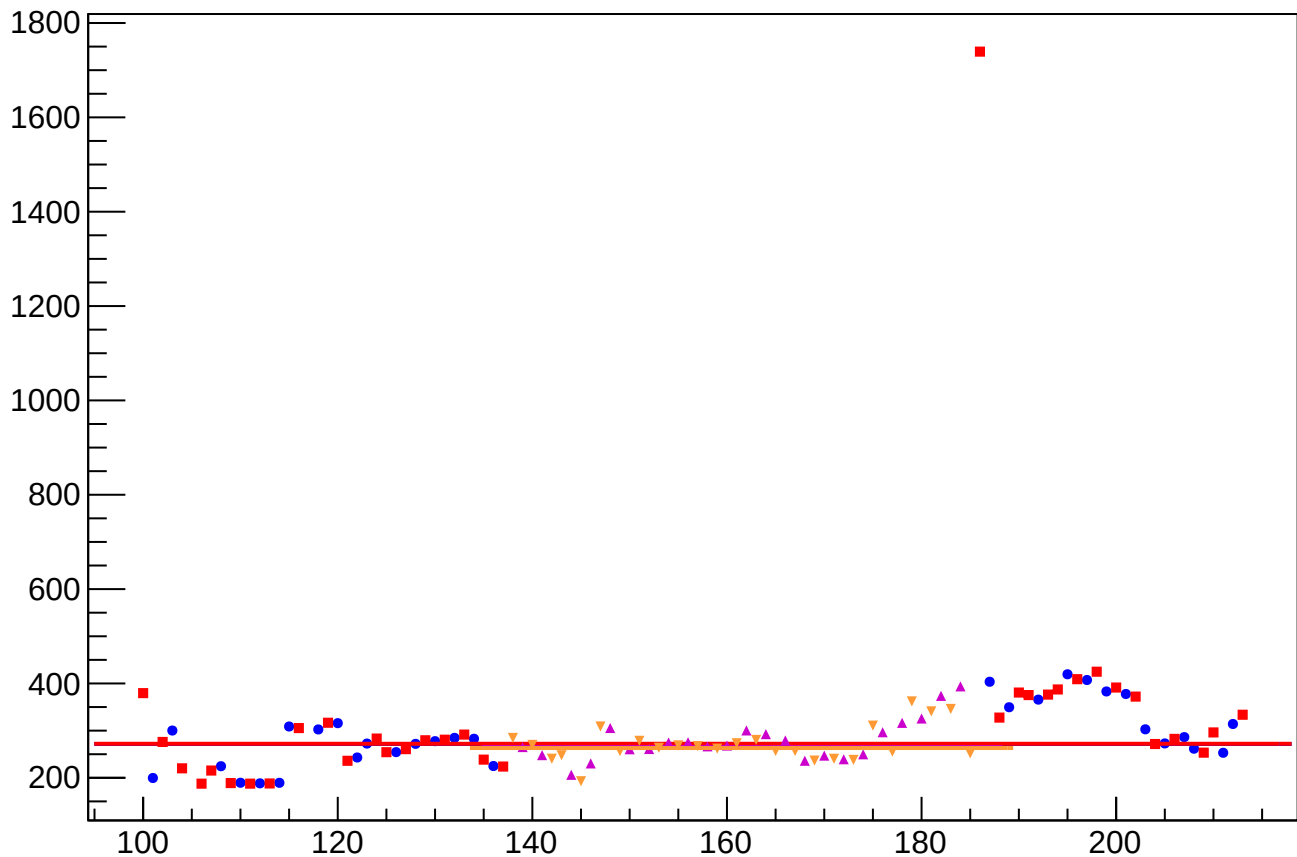
Left In: -287.246 $\pm$ 64.141 χ^2 /NDF: 23.9/22

+ sign 216.638 $\pm$ 46.434 χ^2 /NDF: 60.8/54

All: 31.220 $\pm$ 32.949 χ^2 /NDF: 164.9/111

- sign -156.840 $\pm$ 46.763 χ^2 /NDF: 72.0/56

reg_asym_sam4_rms vs Slug



Right In: 271.653+/-0.050 χ^2/NDF : 1554318.0/29

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 272.132+/-0.048 χ^2/NDF : 2457373.7/33

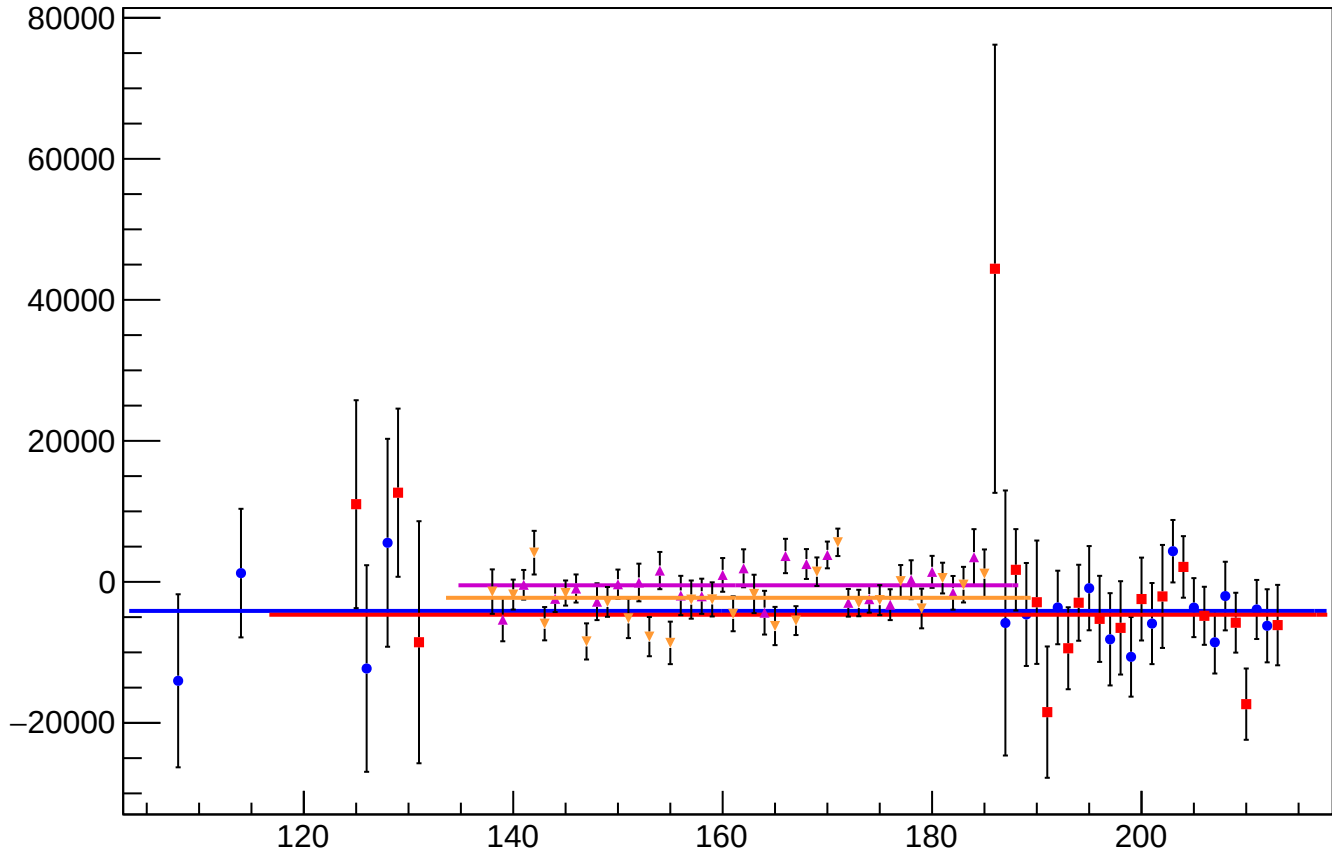
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 266.848+/-0.033 χ^2/NDF : 2213235.5/54

All: 267.569+/-0.023 χ^2/NDF : 5292441.6/111

- sign 268.300+/-0.033 χ^2/NDF : 3078235.2/56

asym_sam4_correction_mean vs Slug



Right In: -4119.007 $\pm$ 1421.671 χ^2 /NDF: 8.9/16

Left Out: -2260.196 $\pm$ 475.336 χ^2 /NDF: 52.3/24

Right Out: -4661.303 $\pm$ 1460.518 χ^2 /NDF: 19.1/17

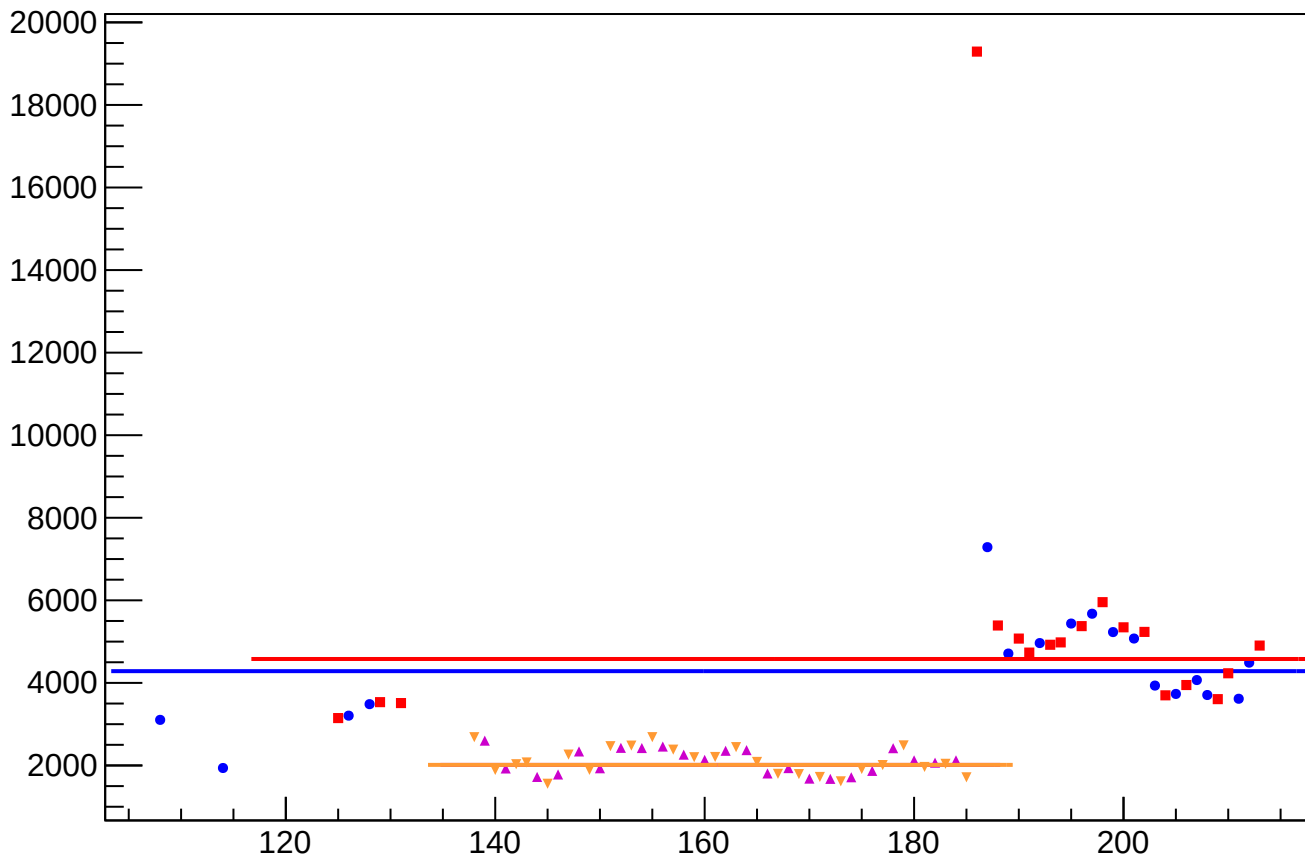
Left In: -485.590 $\pm$ 487.465 χ^2 /NDF: 24.8/22

+ sign -2447.099 $\pm$ 450.805 χ^2 /NDF: 62.8/41

All: -1695.186 $\pm$ 322.786 χ^2 /NDF: 119.7/82

- sign -904.128 $\pm$ 462.391 χ^2 /NDF: 51.2/40

asym_sam4_correction_rms vs Slug



Right In: 4284.487+/-1.005 χ^2/NDF : 652580.2/16

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4579.156+/-1.033 χ^2/NDF : 954937.3/17

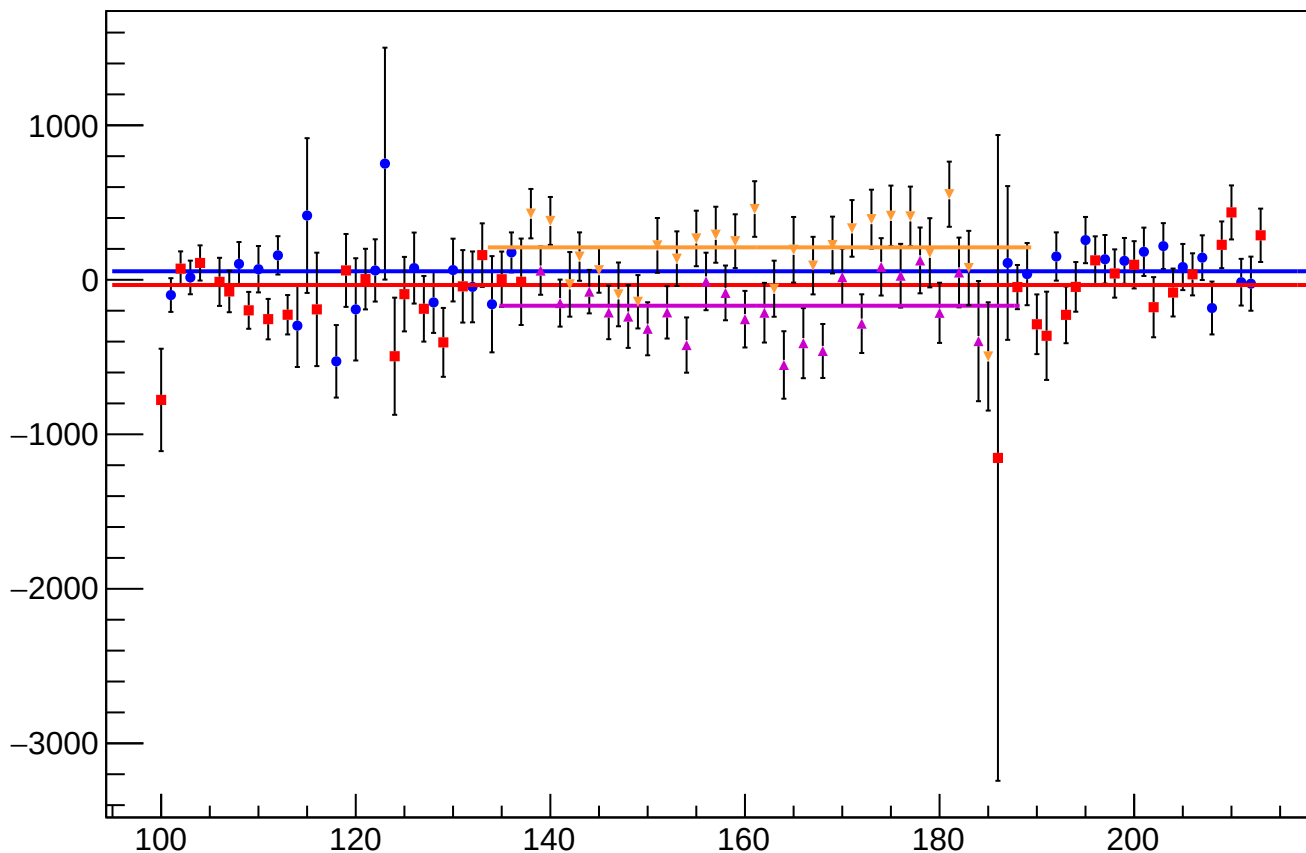
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2242.391+/-0.319 χ^2/NDF : 6076063.8/41

All: 2256.055+/-0.228 χ^2/NDF : 13251155.1/8

- sign 2270.430+/-0.327 χ^2/NDF : 7171320.8/40

reg_asym_sam5_mean vs Slug



Right In: 55.185 ± 30.908 χ^2/NDF : 22.7/29

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -33.746 ± 29.239 χ^2/NDF : 41.8/33

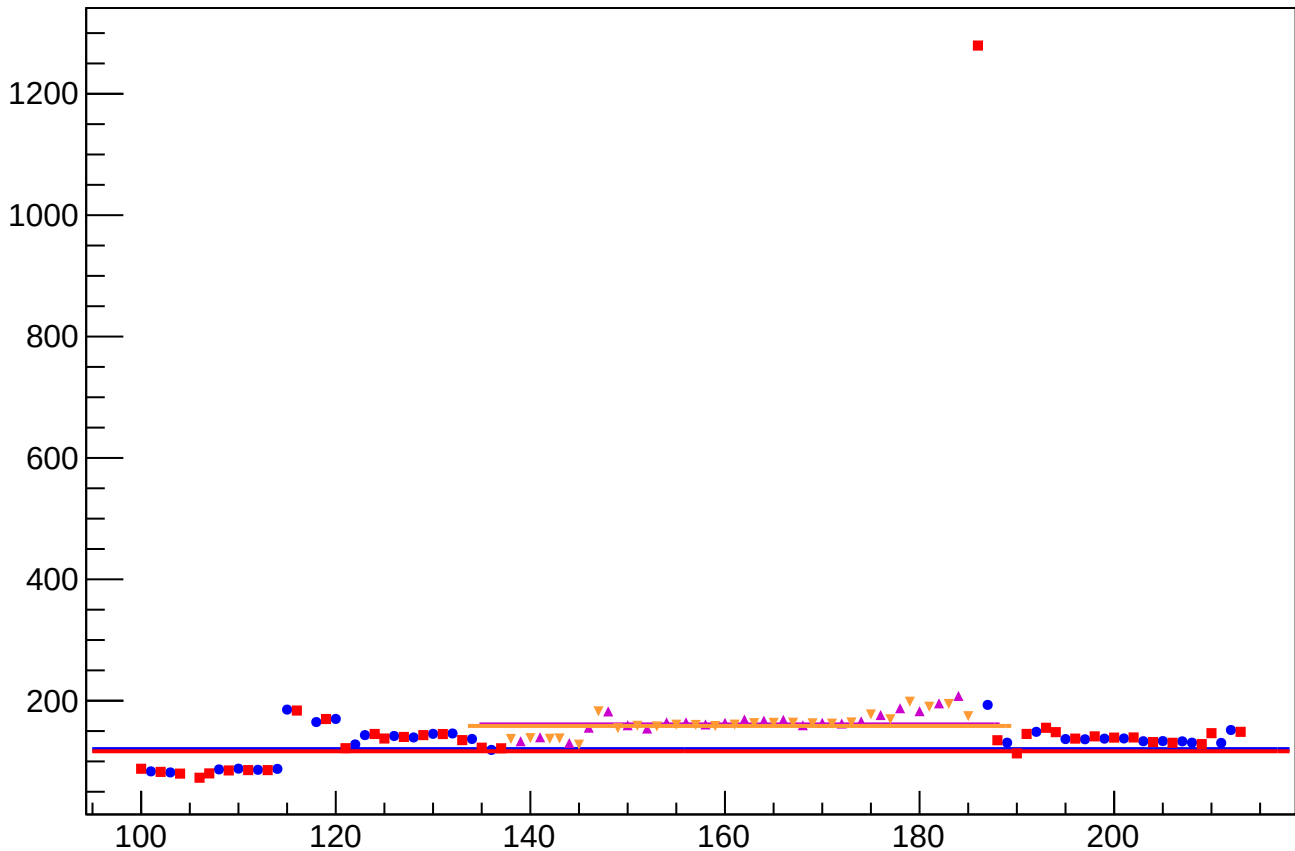
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 118.661 ± 23.745 χ^2/NDF : 60.5/54

All: 16.350 ± 16.643 χ^2/NDF : 167.5/111

- sign -82.440 ± 23.333 χ^2/NDF : 70.6/56

reg_asym_sam5_rms vs Slug



Right In: 120.269+/-0.022 χ^2/NDF : 1455173.0/29

Left Out: 158.440+/-0.026 χ^2/NDF : 434300.9/24

Right Out: 116.705+/-0.021 χ^2/NDF : 2553871.8/33

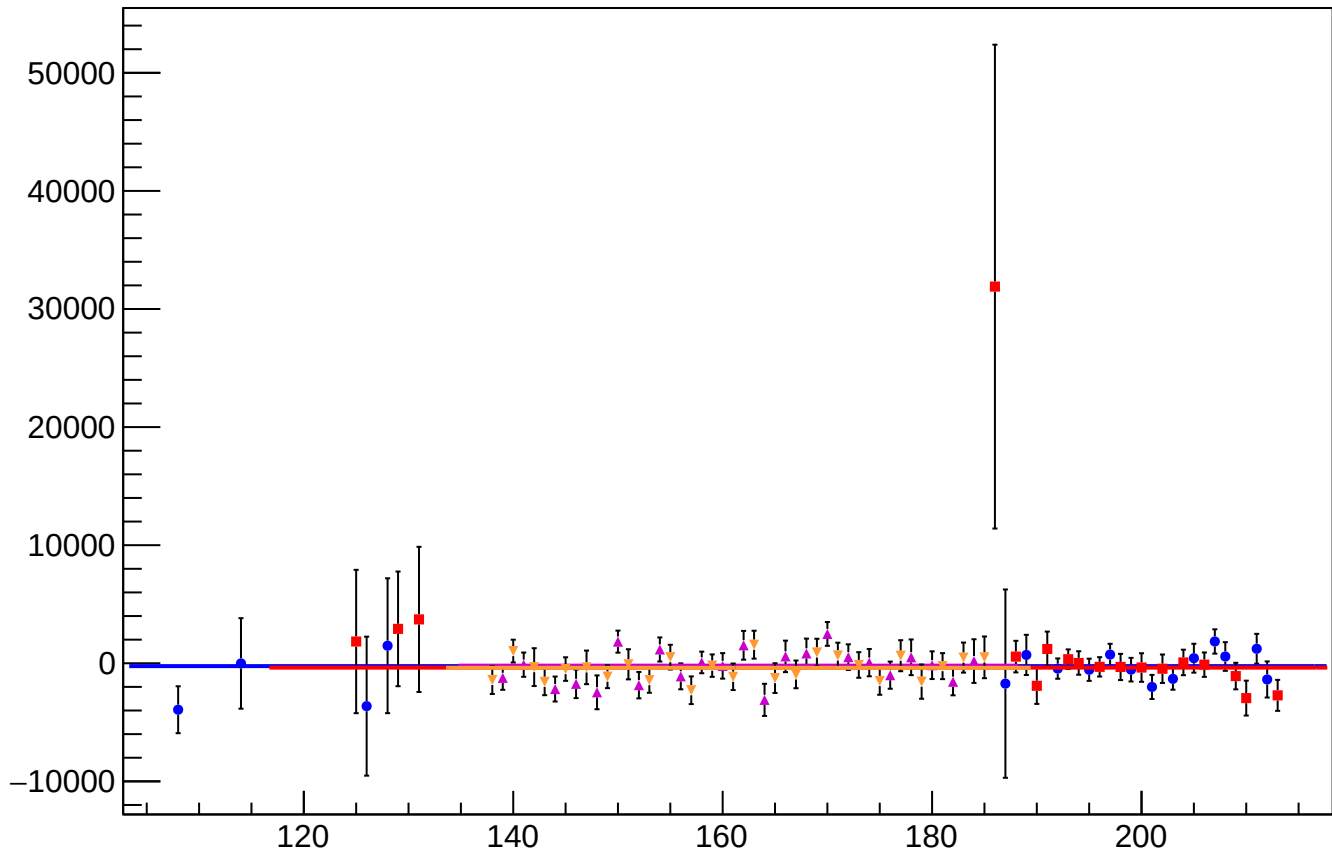
Left In: 160.947+/-0.027 χ^2/NDF : 379713.4/22

+ sign 135.911+/-0.017 χ^2/NDF : 3139509.1/54

All: 134.315+/-0.012 χ^2/NDF : 7753841.8/111

- sign 132.773+/-0.016 χ^2/NDF : 4596567.2/56

asym_sam5_correction_mean vs Slug



Right In: -240.477 ± 302.742 χ^2/NDF : 16.7/16

Left Out: -385.018 ± 231.833 χ^2/NDF : 18.1/24

Right Out: -368.797 ± 297.398 χ^2/NDF : 14.0/17

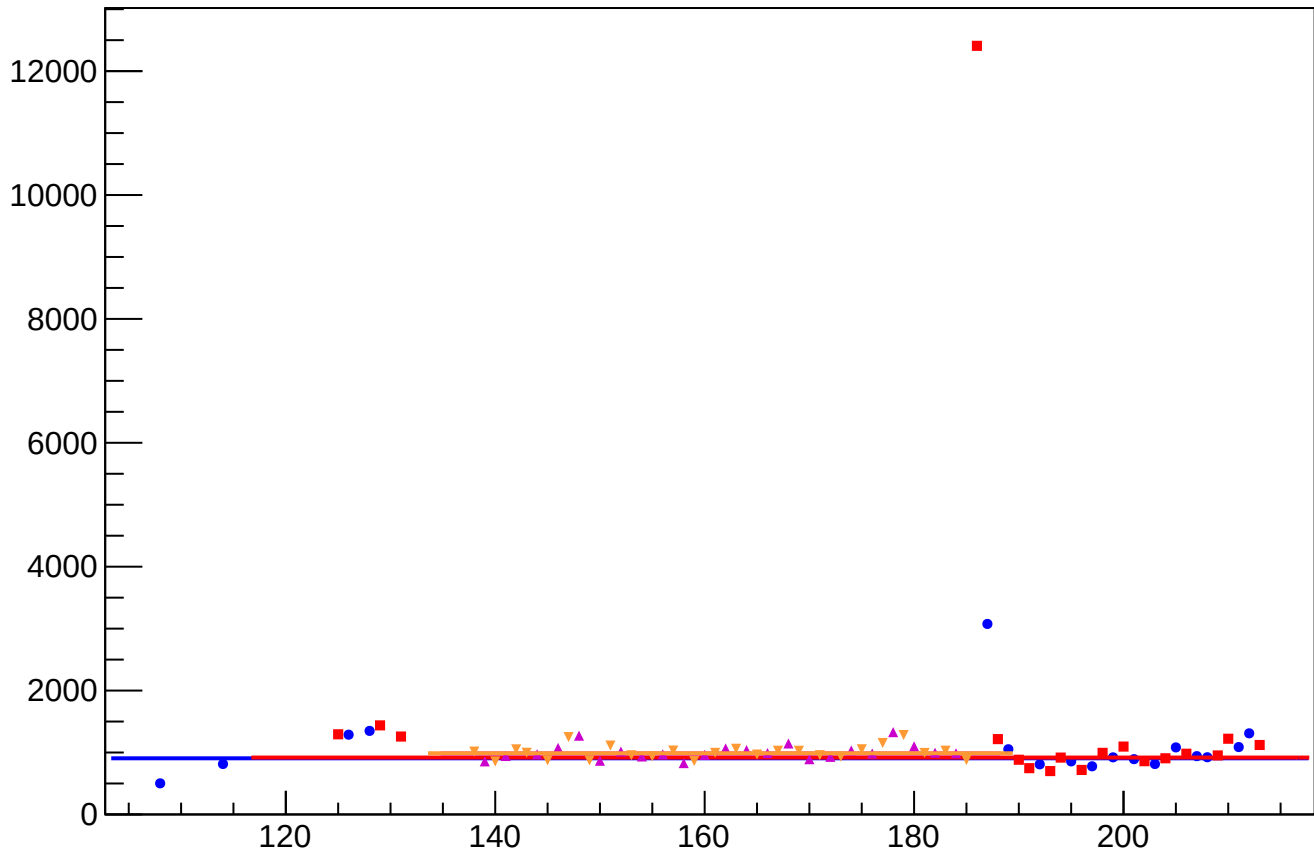
Left In: -202.234 ± 237.460 χ^2/NDF : 35.5/22

+ sign -331.589 ± 184.063 χ^2/NDF : 34.9/41

All: -299.597 ± 130.680 χ^2/NDF : 84.6/82

- sign -267.081 ± 185.564 χ^2/NDF : 49.6/40

asym_sam5_correction_rms vs Slug



Right In: 906.467 $\pm$ 0.214 χ^2 /NDF: 583725.9/16

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 918.619 $\pm$ 0.210 χ^2 /NDF: 1248760.4/17

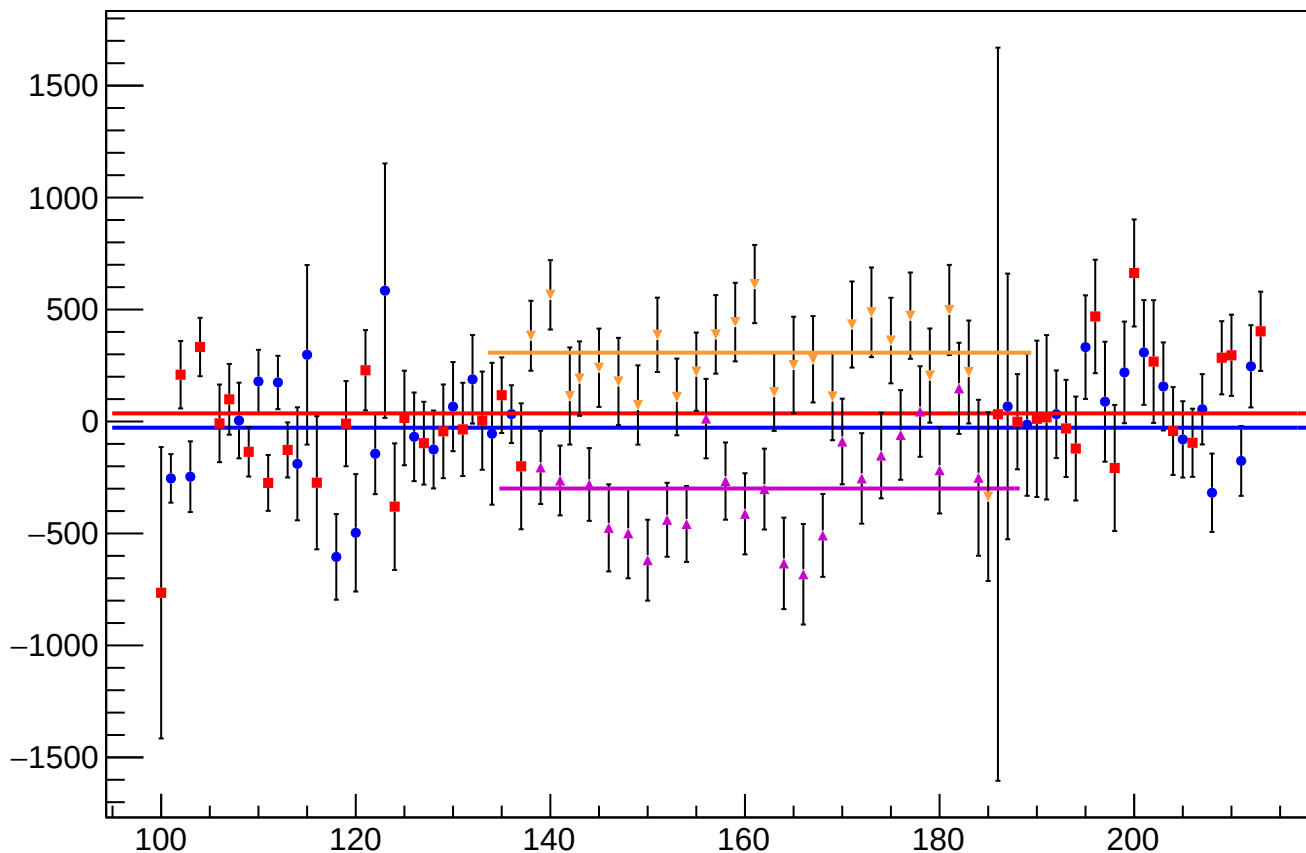
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 957.779 $\pm$ 0.130 χ^2 /NDF: 1051829.1/41

All: 958.127 $\pm$ 0.092 χ^2 /NDF: 2775706.9/82

- sign 958.480 $\pm$ 0.131 χ^2 /NDF: 1723863.4/40

reg_asym_sam6_mean vs Slug



Right In: -27.629 ± 33.876 $\chi^2/\text{NDF}: 41.4/29$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: 36.304 ± 32.516 $\chi^2/\text{NDF}: 46.2/33$

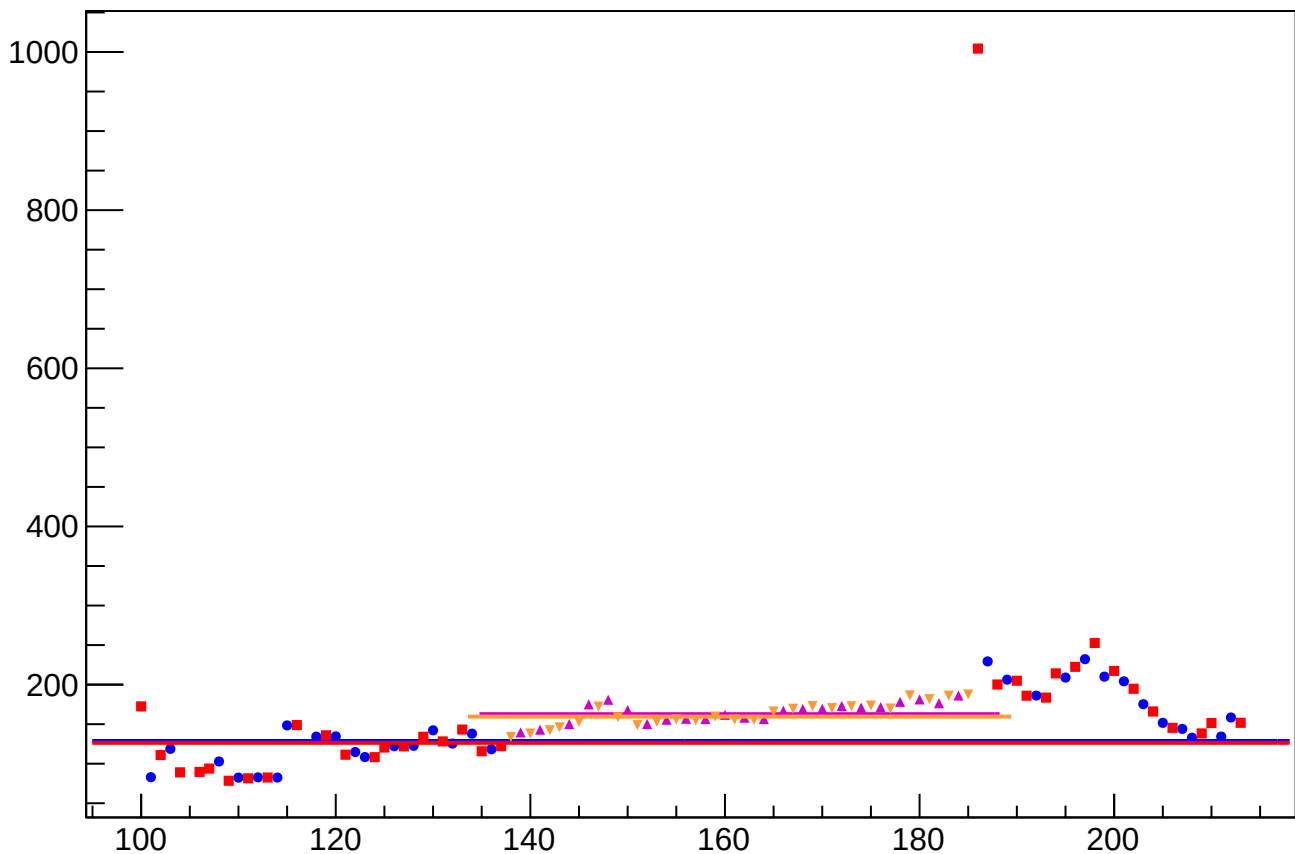
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 123.944 ± 25.070 $\chi^2/\text{NDF}: 106.4/54$

All: 10.932 ± 17.694 $\chi^2/\text{NDF}: 265.3/111$

- sign -101.238 ± 24.977 $\chi^2/\text{NDF}: 118.4/56$

reg_asym_sam6_rms vs Slug



Right In: 128.774+/-0.024 χ^2/NDF : 2618744.6/29

Left Out: 159.568+/-0.026 χ^2/NDF : 287744.2/24

Right Out: 126.419+/-0.023 χ^2/NDF : 4025252.3/33

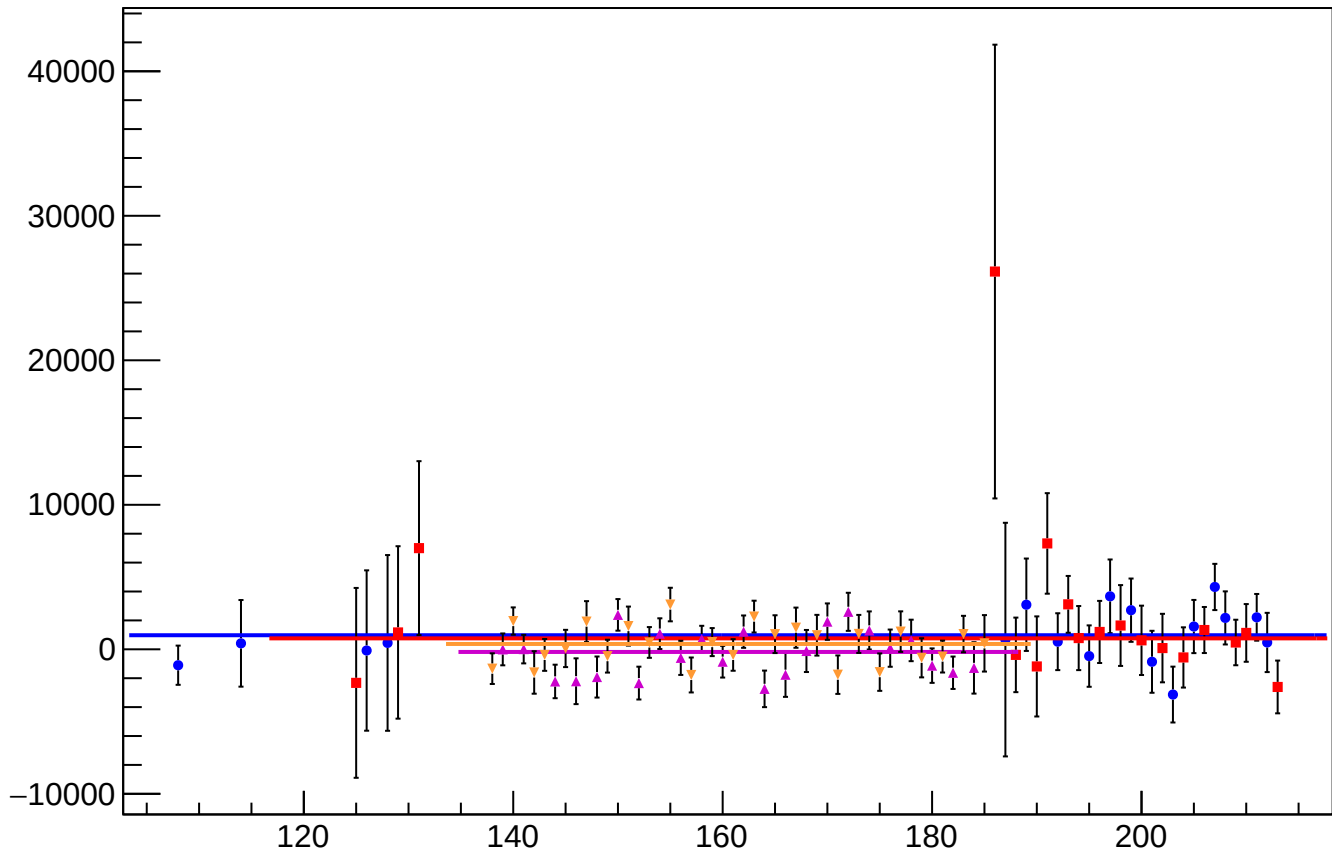
Left In: 162.606+/-0.028 χ^2/NDF : 199542.3/22

+ sign 142.702+/-0.018 χ^2/NDF : 3653988.9/54

All: 141.976+/-0.013 χ^2/NDF : 8897668.5/111

- sign 141.255+/-0.018 χ^2/NDF : 5240331.5/56

asym_sam6_correction_mean vs Slug



Right In: 973.947+/-515.831 χ^2/NDF : 15.9/16

Left Out: 370.001+/-243.521 χ^2/NDF : 30.5/24

Right Out: 756.880+/-564.742 χ^2/NDF : 13.7/17

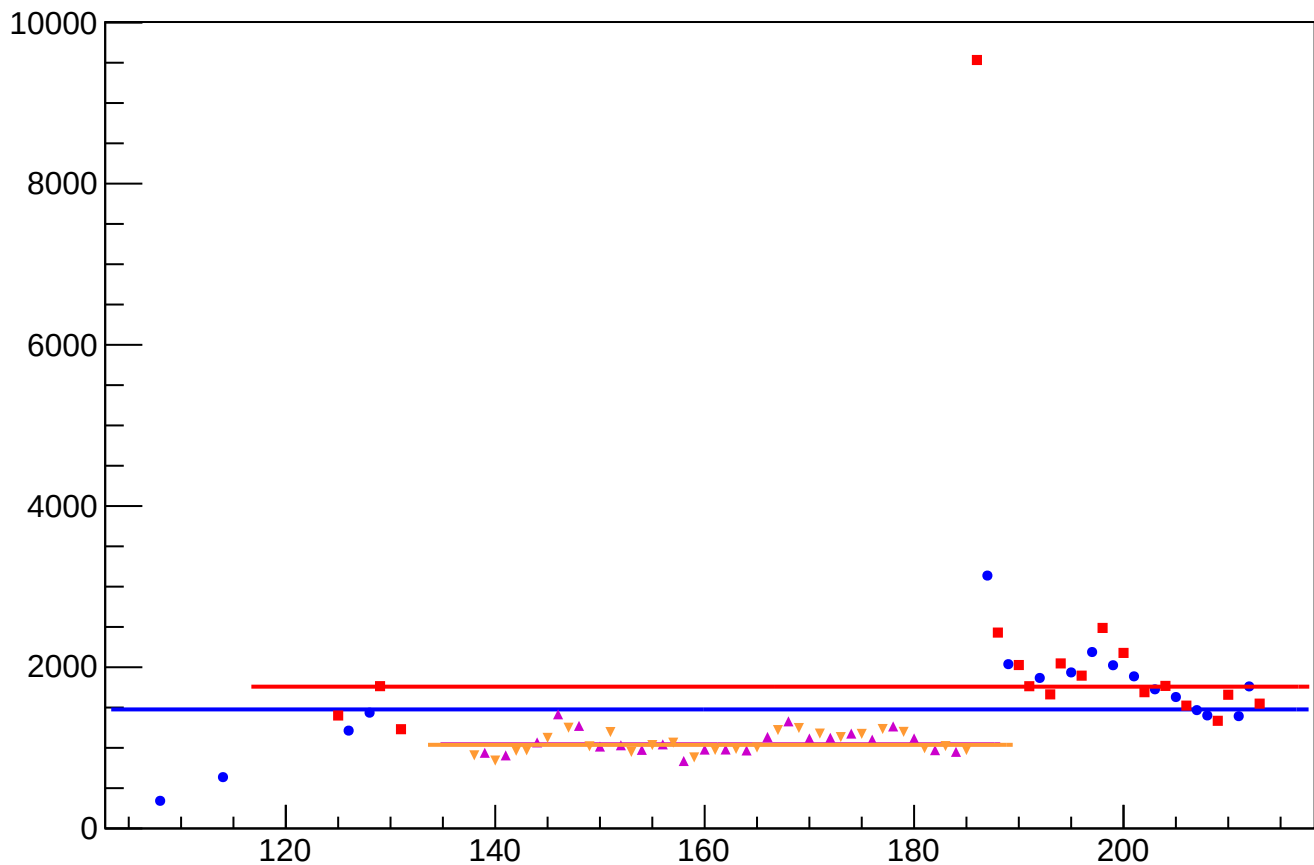
Left In: -183.107+/-252.258 χ^2/NDF : 36.5/22

+ sign 480.072+/-220.214 χ^2/NDF : 47.5/41

All: 238.027+/-159.169 χ^2/NDF : 102.5/82

- sign -26.755+/-230.325 χ^2/NDF : 52.4/40

asym_sam6_correction_rms vs Slug



Right In: 1476.737+/-0.365 χ^2/NDF : 2326359.1/16

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1759.145+/-0.399 χ^2/NDF : 1123831.4/17

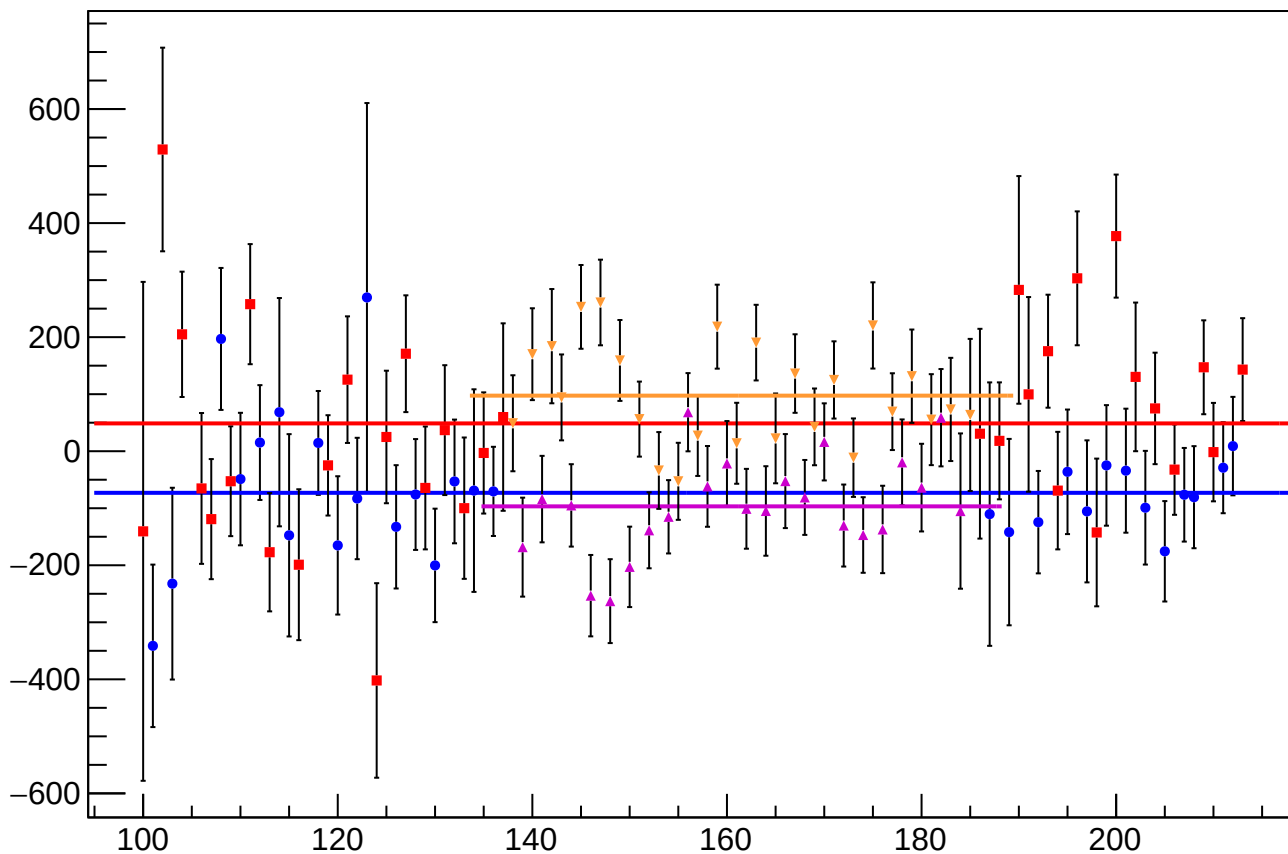
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1117.707+/-0.156 χ^2/NDF : 4006173.3/41

All: 1139.612+/-0.113 χ^2/NDF : 8382872.0/82

- sign 1163.575+/-0.163 χ^2/NDF : 4335260.9/40

reg_asym_sam7_mean vs Slug



Right In: -72.959 ± 19.867 $\chi^2/\text{NDF}: 18.8/29$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 48.759 ± 19.214 $\chi^2/\text{NDF}: 63.5/33$

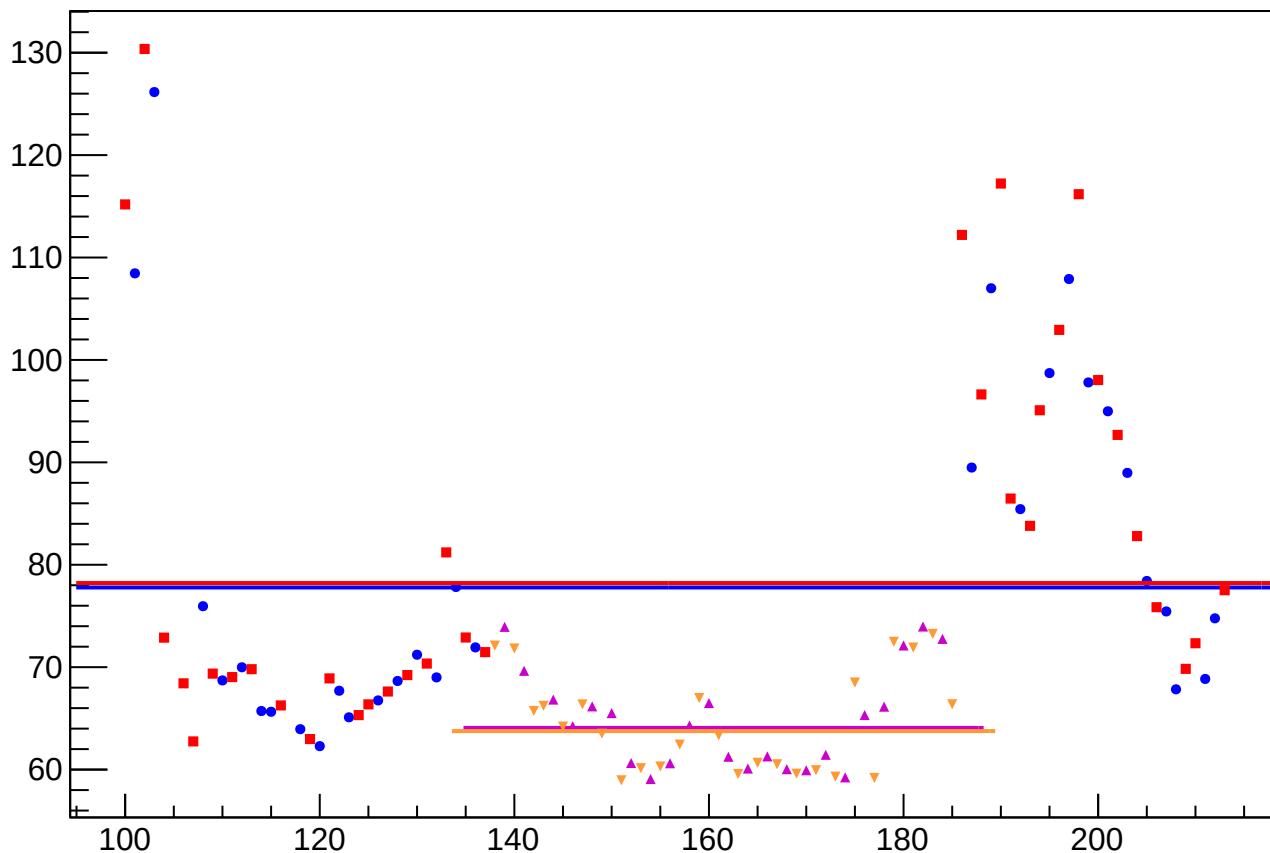
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 36.208 ± 11.910 $\chi^2/\text{NDF}: 102.0/54$

All: -1.576 ± 8.454 $\chi^2/\text{NDF}: 249.9/111$

- sign -39.948 ± 12.002 $\chi^2/\text{NDF}: 127.6/56$

reg_asym_sam7_rms vs Slug



Right In: 77.782 $\pm$ 0.014 χ^2 /NDF: 945513.0/29

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 78.217 $\pm$ 0.014 χ^2 /NDF: 1128759.0/33

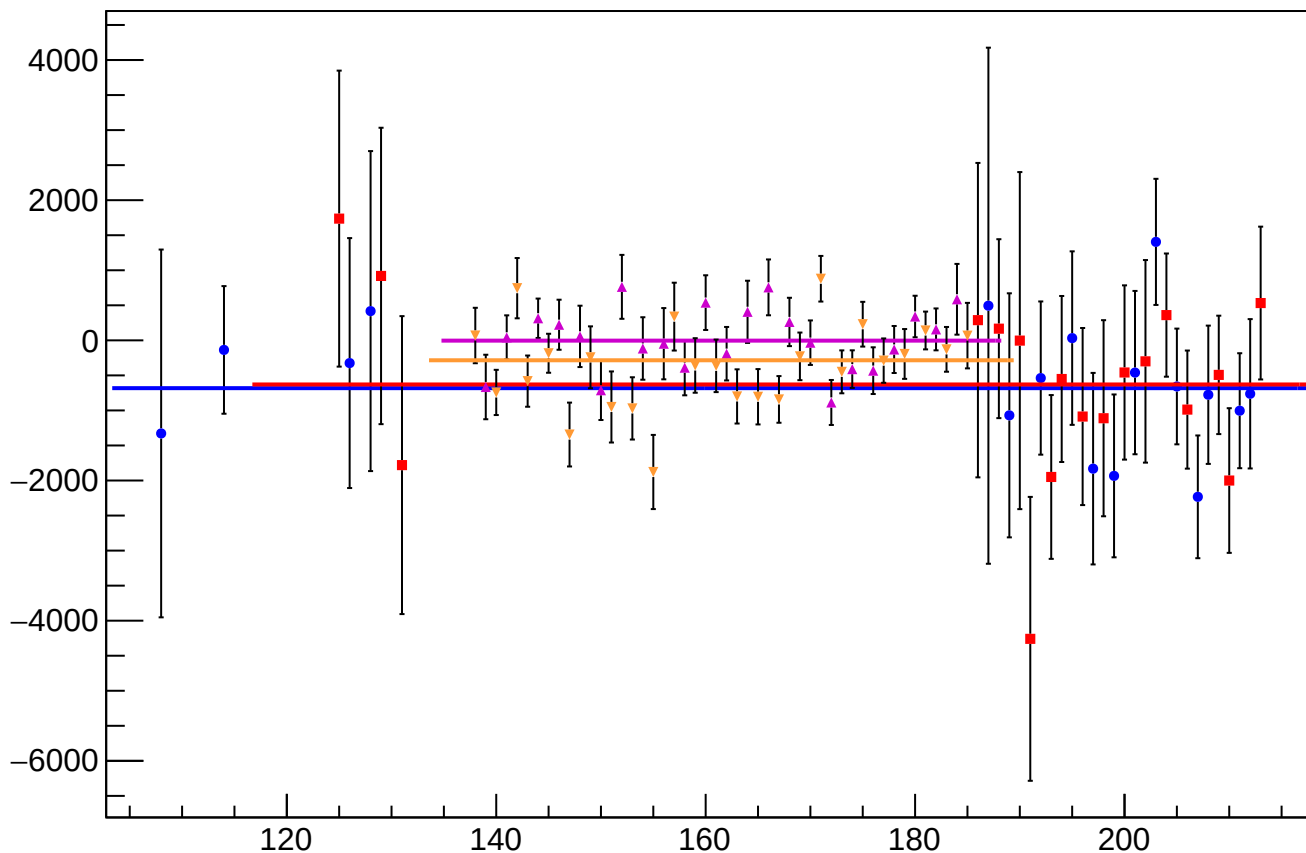
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 68.800 $\pm$ 0.008 χ^2 /NDF: 1776457.4/54

All: 69.191 $\pm$ 0.006 χ^2 /NDF: 3735544.1/111

- sign 69.589 $\pm$ 0.008 χ^2 /NDF: 1954728.4/56

asym_sam7_correction_mean vs Slug



Right In: -682.159 ± 275.611 χ^2/NDF : 11.8/16

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -629.493 ± 295.008 χ^2/NDF : 11.9/17

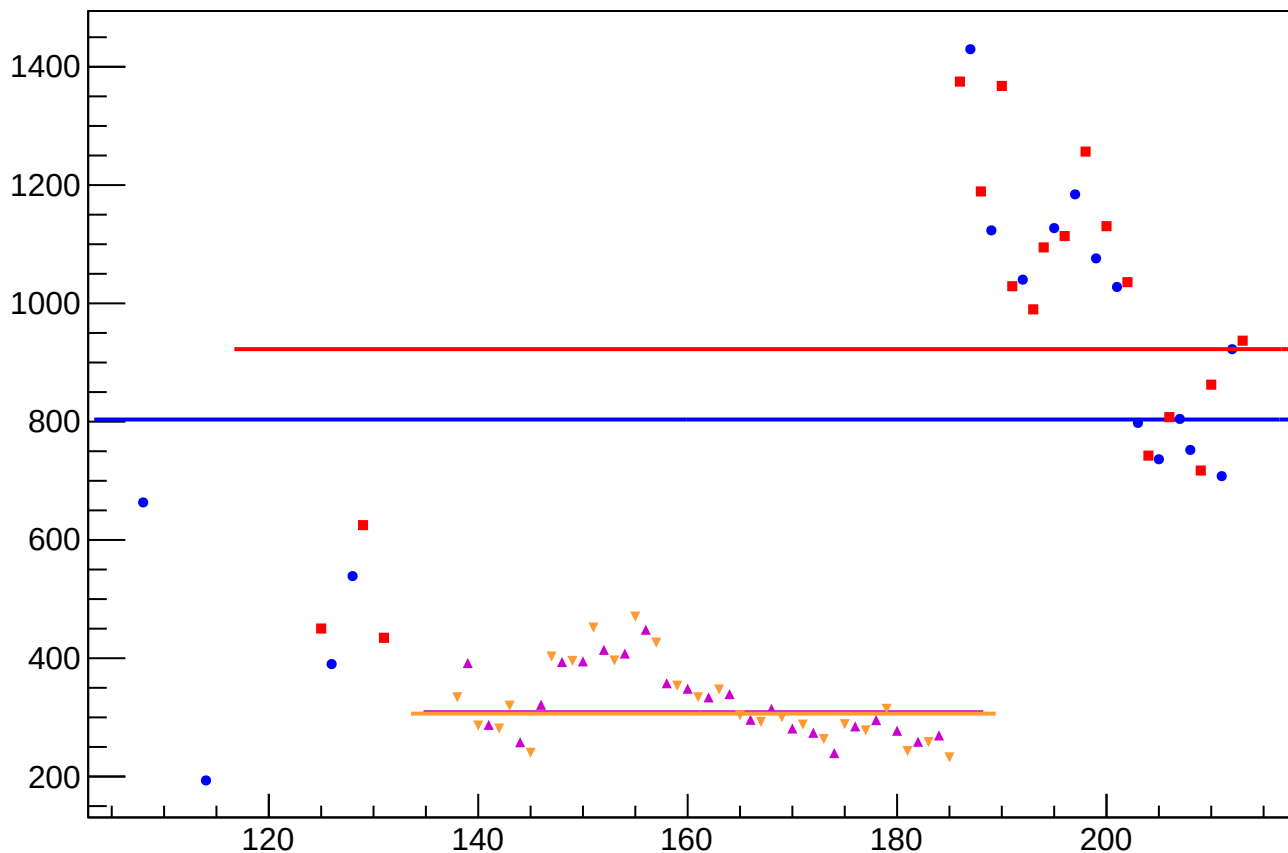
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -310.207 ± 70.325 χ^2/NDF : 68.8/41

All: -180.717 ± 50.568 χ^2/NDF : 124.3/82

- sign -42.088 ± 72.764 χ^2/NDF : 48.5/40

asym_sam7_correction_rms vs Slug



Right In: 803.607 $\pm$ 0.195 χ^2 /NDF: 1804177.4/16

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215669.9/24

Right Out: 922.631 $\pm$ 0.209 χ^2 /NDF: 1010879.1/17

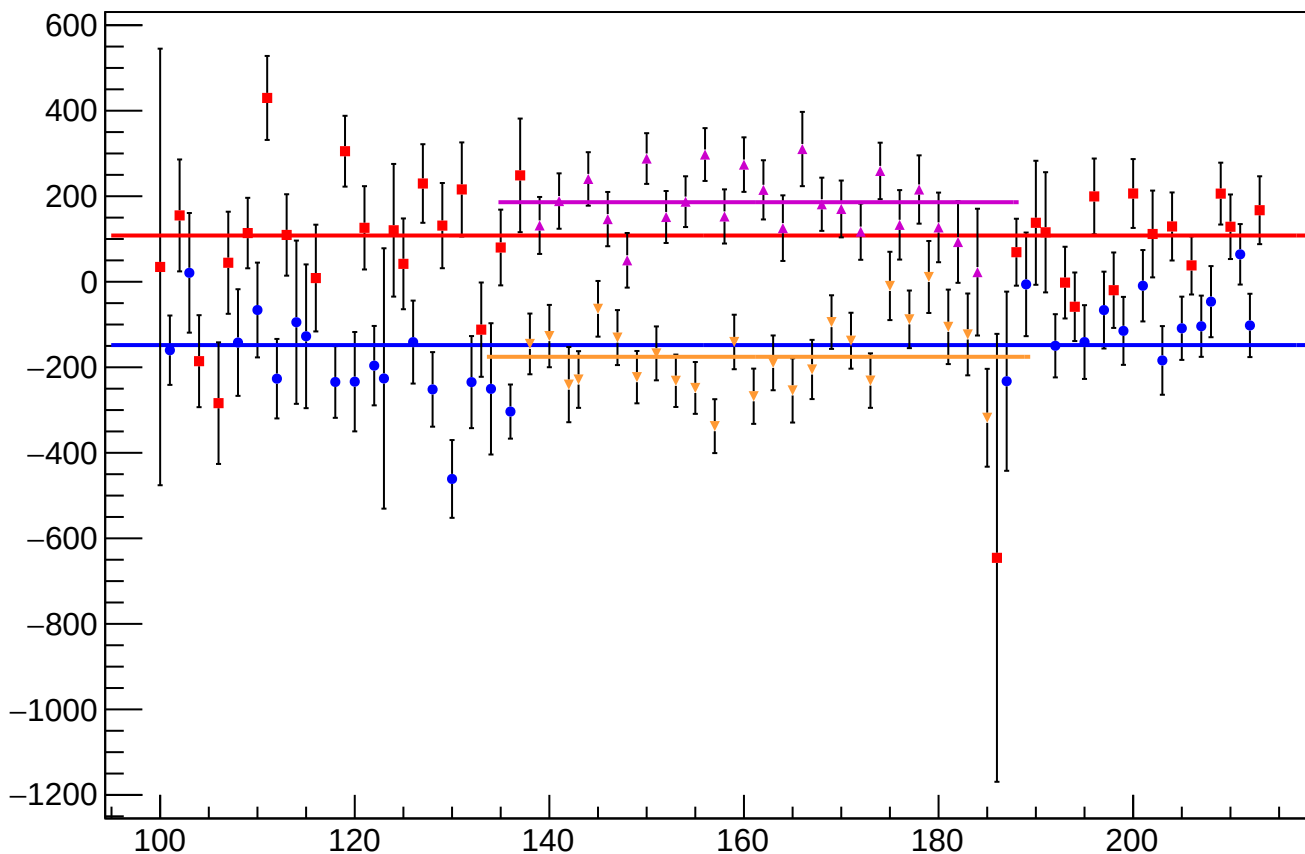
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

+ sign 338.737 $\pm$ 0.050 χ^2 /NDF: 9105938.3/41

All: 342.281 $\pm$ 0.036 χ^2 /NDF: 19264311.2/82

- sign 346.075 $\pm$ 0.051 χ^2 /NDF: 10147855.4/40

reg_asym_sam8_mean vs Slug



Right In: -148.065 ± 16.899 χ^2/NDF : 42.2/29

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 108.165 ± 16.636 χ^2/NDF : 57.6/33

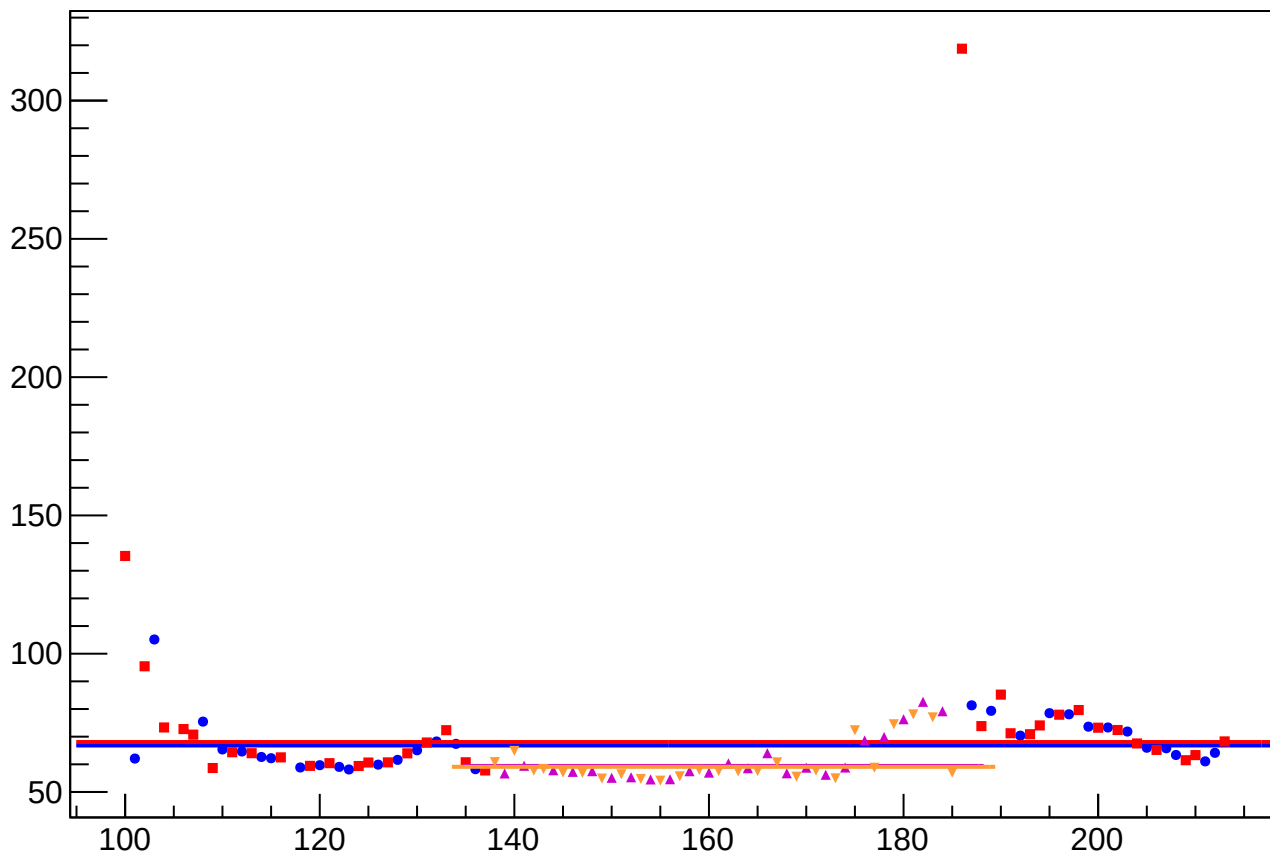
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -164.463 ± 10.710 χ^2/NDF : 78.4/54

All: -7.852 ± 7.623 χ^2/NDF : 605.5/111

- sign 152.914 ± 10.851 χ^2/NDF : 93.7/56

reg_asym_sam8_rms vs Slug



Right In: 66.814 $\pm$ 0.012 χ^2 /NDF: 424810.7/29

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.062 $\pm$ 0.012 χ^2 /NDF: 872390.7/33

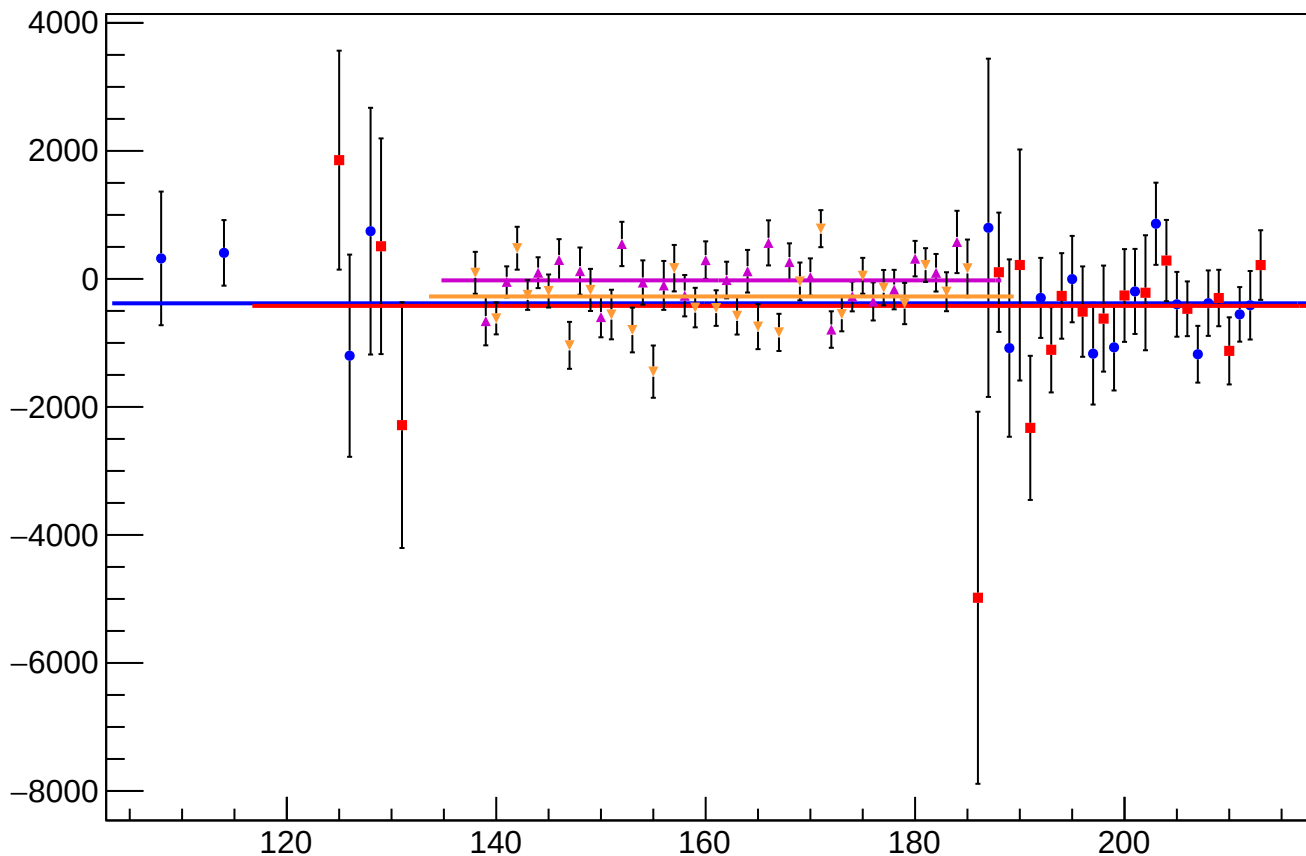
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.198 $\pm$ 0.008 χ^2 /NDF: 1043993.1/54

All: 62.639 $\pm$ 0.005 χ^2 /NDF: 2607117.6/111

- sign 63.091 $\pm$ 0.008 χ^2 /NDF: 1556259.3/56

asym_sam8_correction_mean vs Slug



Right In: -381.189 ± 155.990 χ^2/NDF : 13.5/16

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -421.418 ± 170.170 χ^2/NDF : 14.6/17

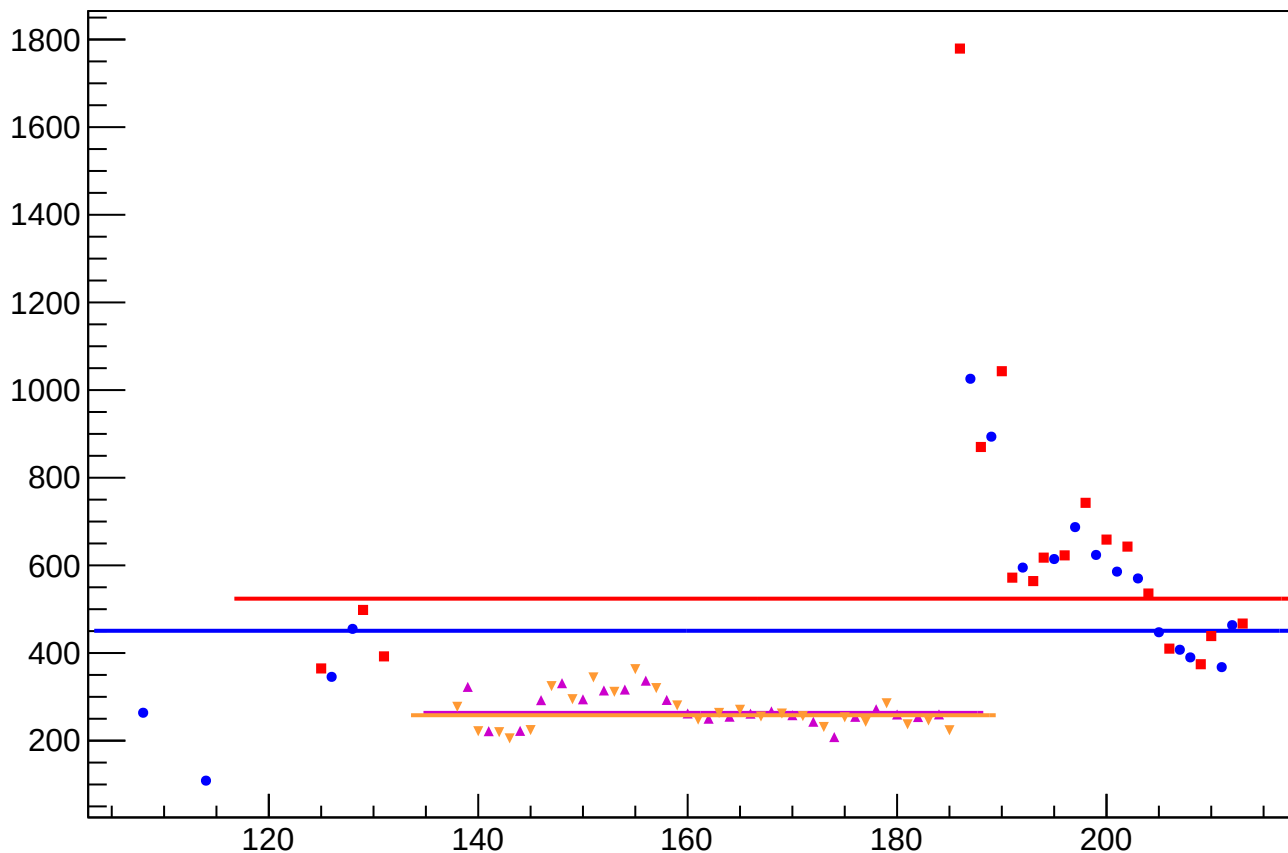
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -288.215 ± 56.648 χ^2/NDF : 67.8/41

All: -185.407 ± 41.064 χ^2/NDF : 123.0/82

- sign -71.566 ± 59.610 χ^2/NDF : 48.3/40

asym_sam8_correction_rms vs Slug



Right In: 450.744 ± 0.110 $\chi^2/\text{NDF}: 2072422.7/16$

Left Out: 258.040 ± 0.043 $\chi^2/\text{NDF}: 724823.3/24$

Right Out: 524.025 ± 0.120 $\chi^2/\text{NDF}: 1622066.1/17$

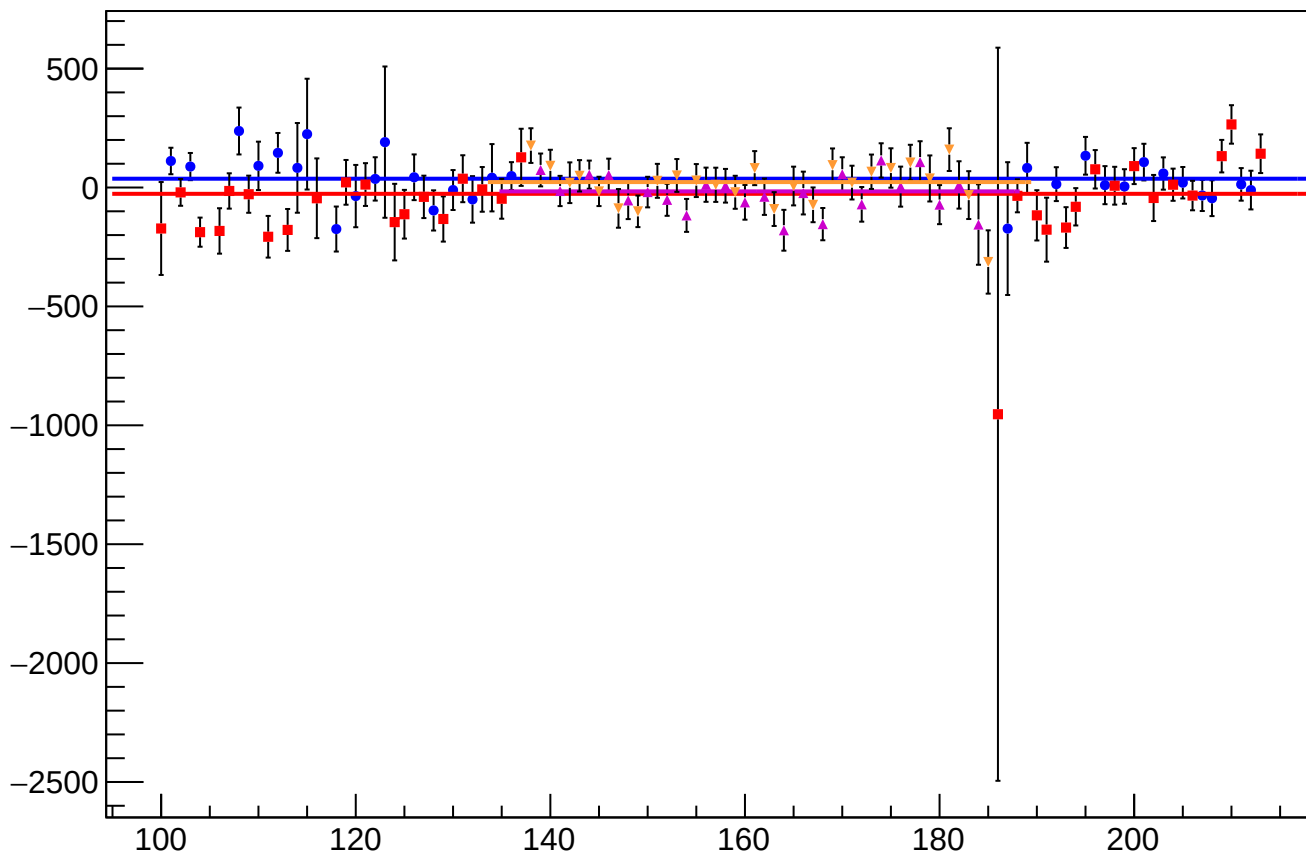
Left In: 263.397 ± 0.045 $\chi^2/\text{NDF}: 585600.2/22$

+ sign 283.454 ± 0.040 $\chi^2/\text{NDF}: 5446922.2/41$

All: 289.113 ± 0.029 $\chi^2/\text{NDF}: 11812415.3/82$

- sign 295.378 ± 0.042 $\chi^2/\text{NDF}: 6323439.8/40$

reg_asym_sam_15_avg_mean vs Slug



Right In: 37.033 ± 15.168 χ^2/NDF : 25.1/29

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -26.511 ± 14.691 χ^2/NDF : 55.4/33

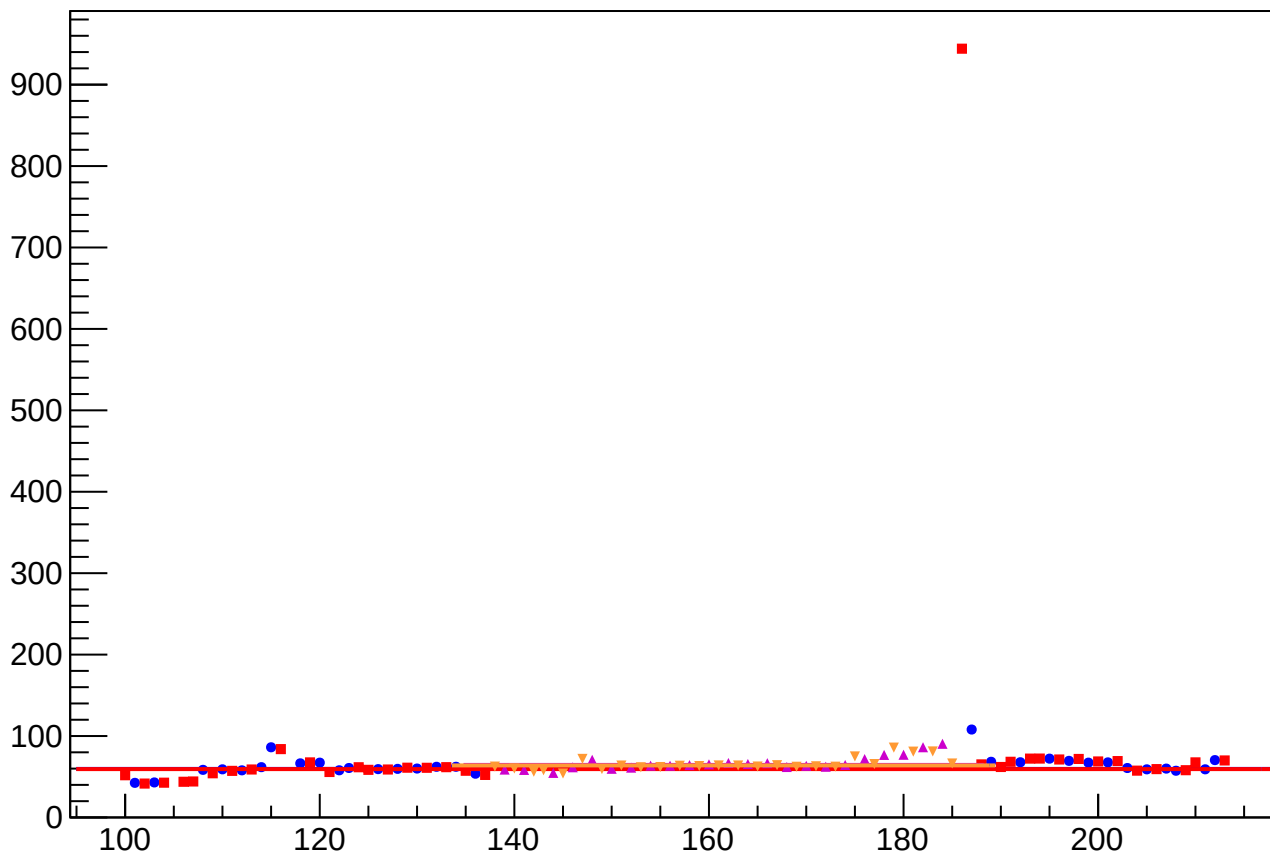
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 29.858 ± 10.654 χ^2/NDF : 54.5/54

All: 4.155 ± 7.540 χ^2/NDF : 145.1/111

- sign -21.641 ± 10.673 χ^2/NDF : 78.9/56

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.616 $\pm$ 0.011 χ^2 /NDF: 689090.6/29

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 59.394 $\pm$ 0.010 χ^2 /NDF: 1552902.9/33

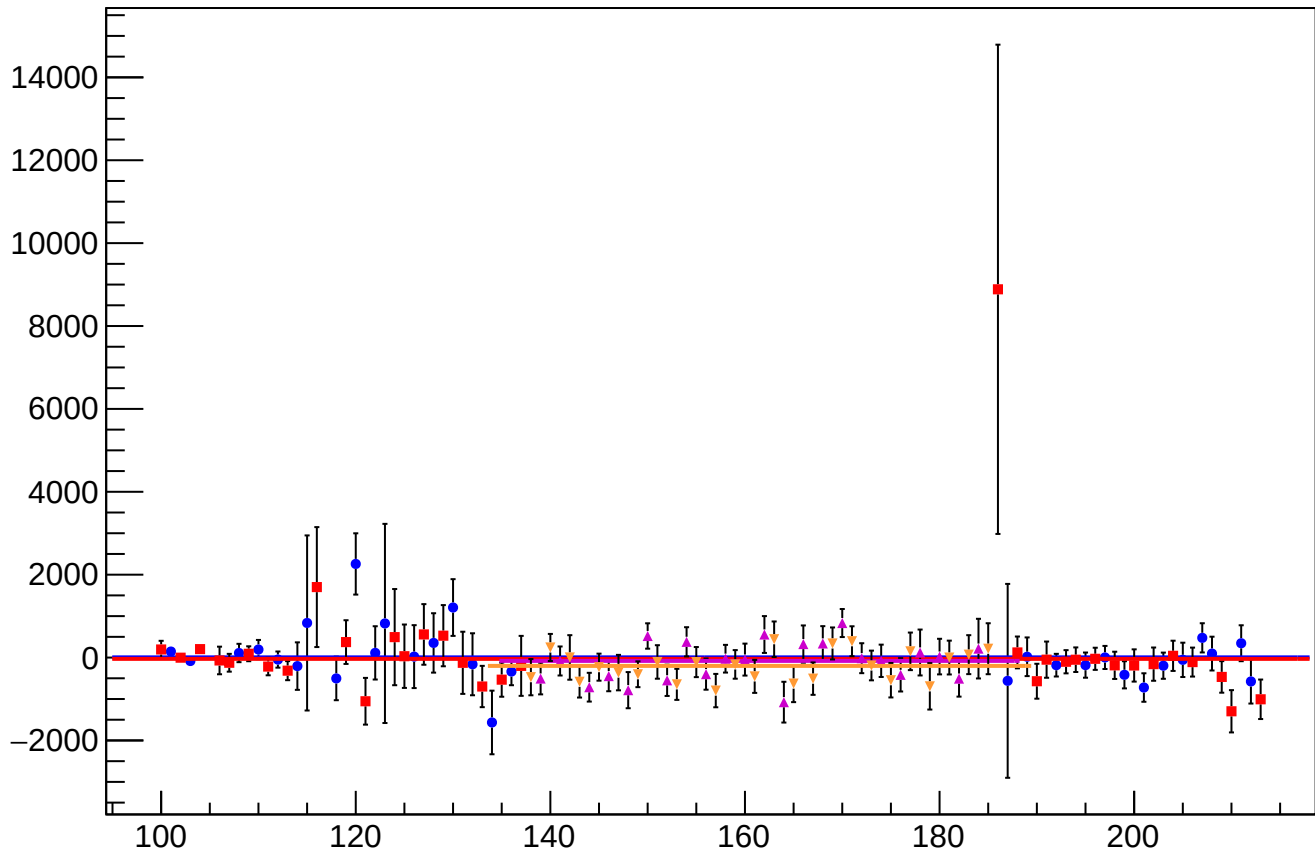
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.797 $\pm$ 0.008 χ^2 /NDF: 1166068.4/54

All: 61.804 $\pm$ 0.005 χ^2 /NDF: 3204053.5/111

- sign 61.810 $\pm$ 0.008 χ^2 /NDF: 2037983.5/56

asym_sam_15_avg_correction_mean vs Slug



Right In: 4.647 ± 45.905 χ^2/NDF : 35.4/29

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -31.100 ± 46.578 χ^2/NDF : 36.2/33

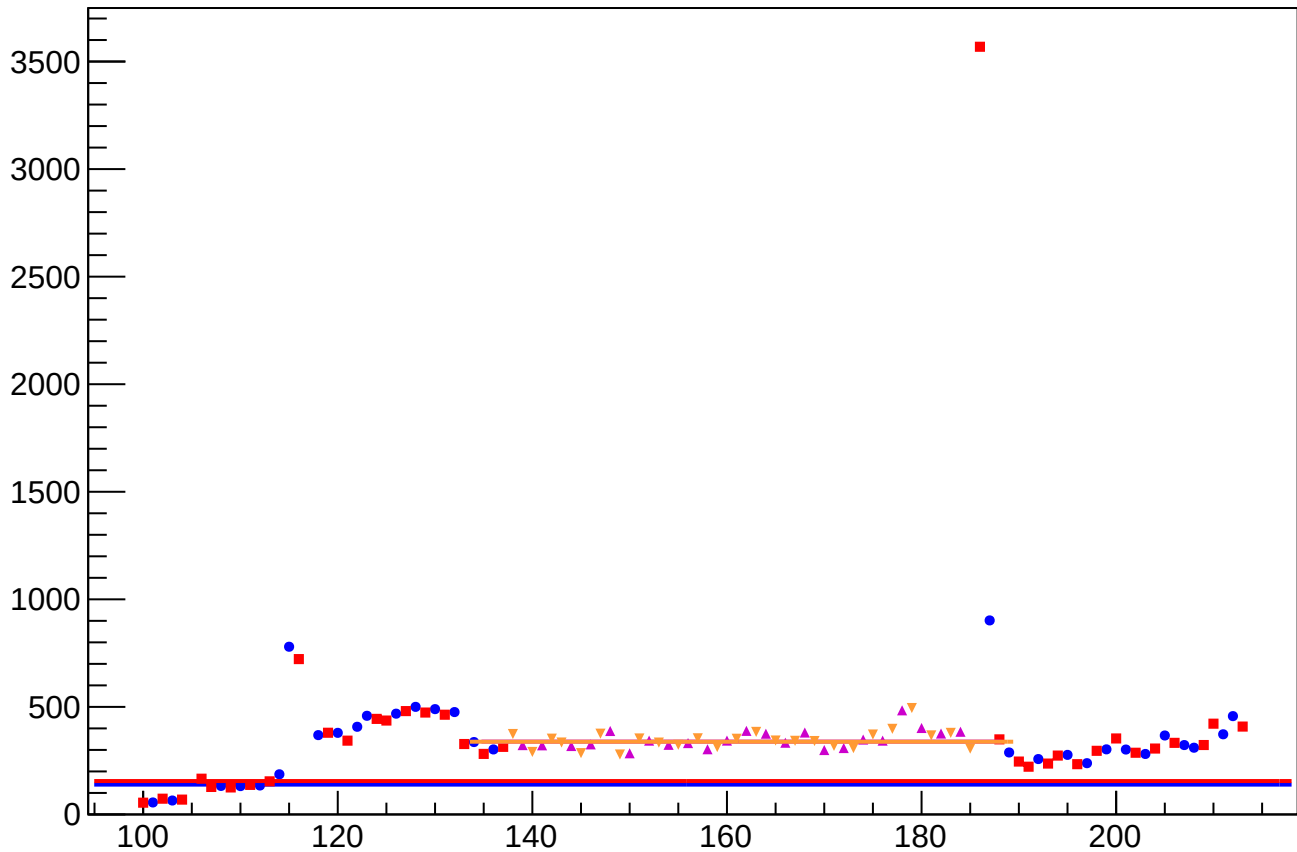
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -46.748 ± 39.760 χ^2/NDF : 60.0/54

All: -44.943 ± 28.364 χ^2/NDF : 129.9/111

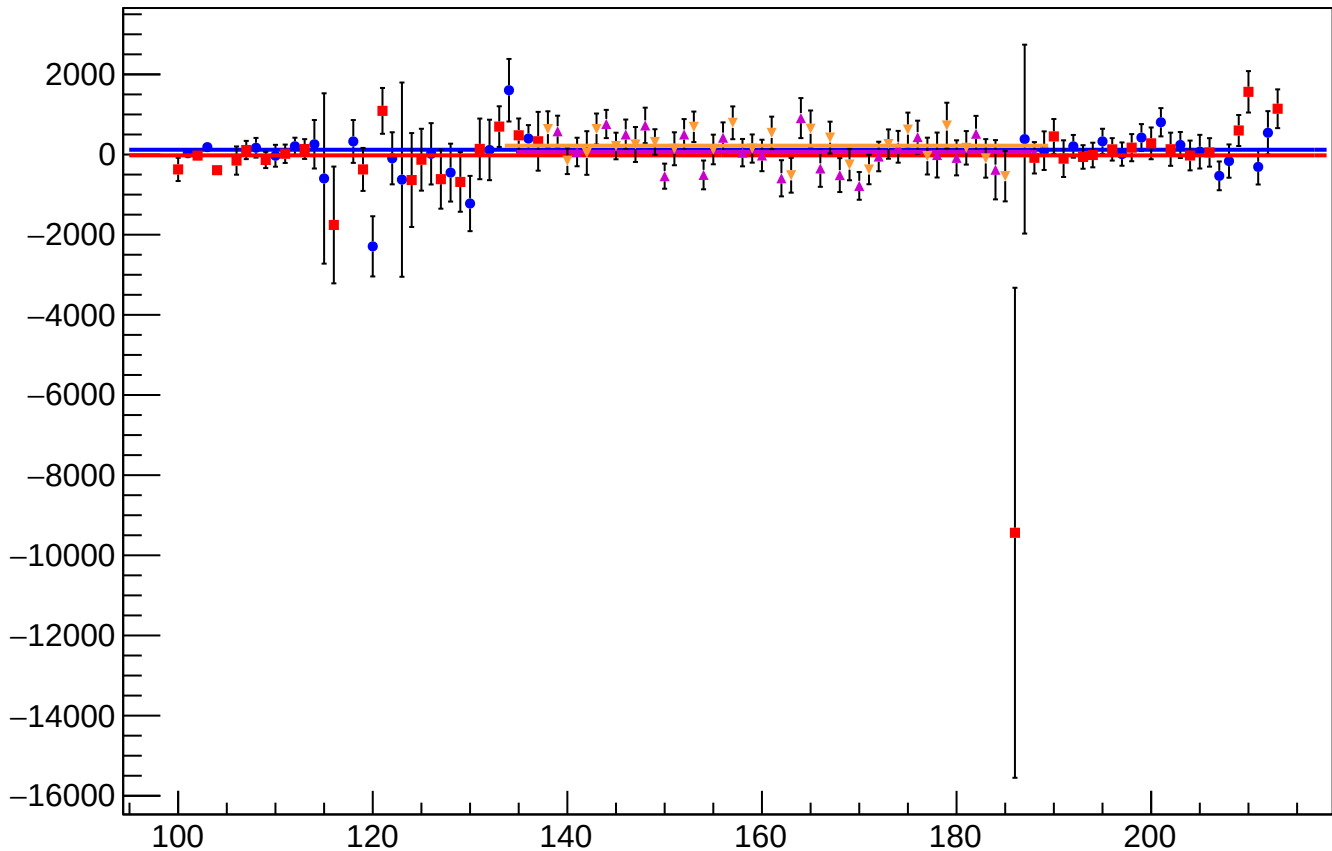
- sign -43.073 ± 40.474 χ^2/NDF : 69.8/56

asym_sam_15_avg_correction_rms vs Slug



Right In: 138.736+/-0.032	χ^2/NDF : 12740557.9/29	+ sign 188.548+/-0.028	χ^2/NDF : 22665707.8/54
Left Out: 338.130+/-0.056	χ^2/NDF : 498601.7/24	All: 194.267+/-0.020	χ^2/NDF : 42509367.2/11
Right Out: 155.308+/-0.033	χ^2/NDF : 11739411.0/33	- sign 200.193+/-0.029	χ^2/NDF : 19759406.3/56
Left In: 338.564+/-0.058	χ^2/NDF : 437243.0/22		

asym_sam_15_avg_mean vs Slug



Right In: 119.481+/-53.947 χ^2/NDF : 31.8/29

Left Out: 221.083+/-81.018 χ^2/NDF : 19.7/24

Right Out: -20.267+/-51.836 χ^2/NDF : 45.9/33

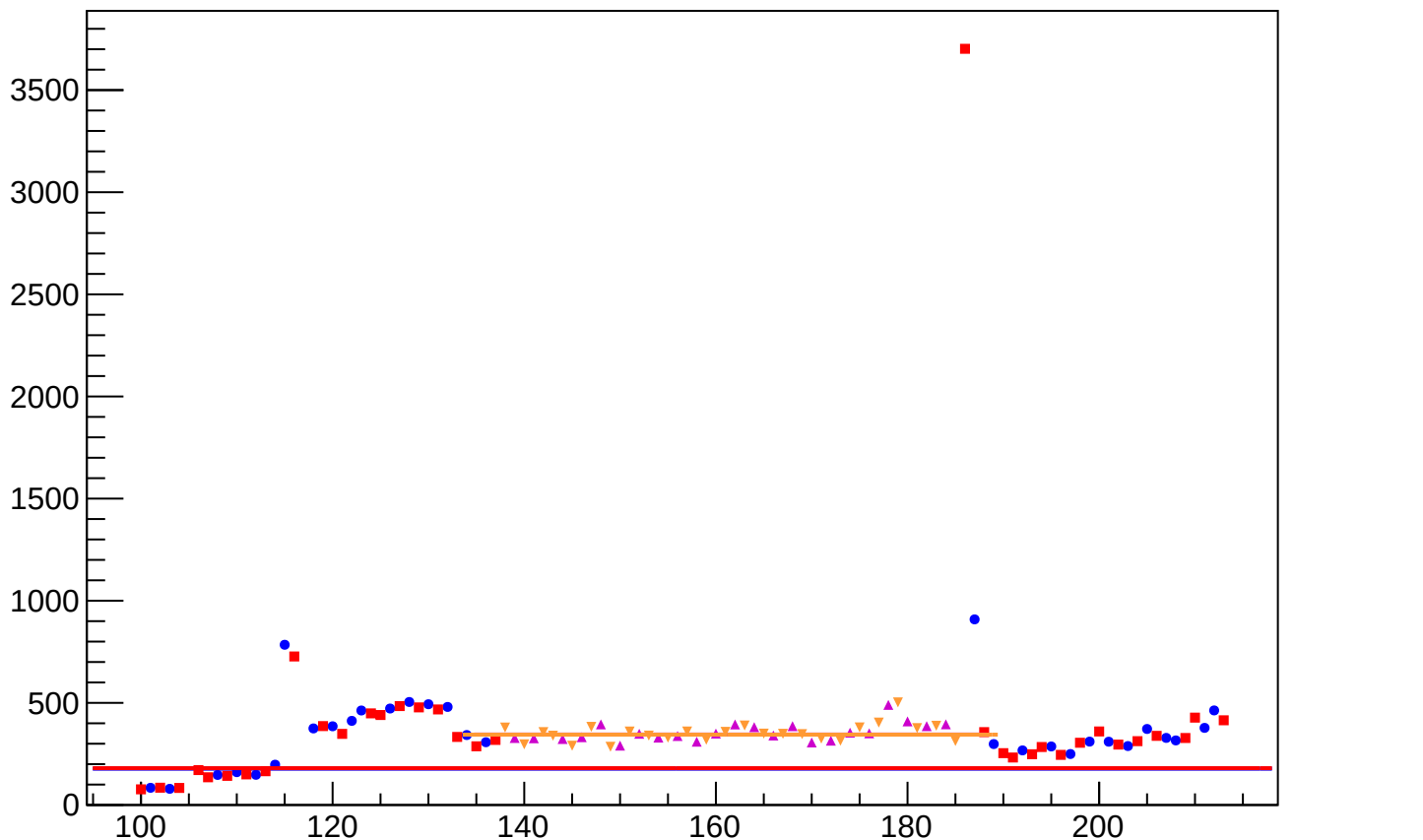
Left In: 65.510+/-83.319 χ^2/NDF : 34.0/22

+ sign 150.691+/-44.903 χ^2/NDF : 52.6/54

All: 75.708+/-31.432 χ^2/NDF : 138.8/111

- sign 3.669+/-44.013 χ^2/NDF : 80.7/56

asym_sam_15_avg_rms vs Slug



Right In: 177.700+/-0.038 χ^2/NDF : 9612316.0/29

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 180.261+/-0.037 χ^2/NDF : 9837796.5/33

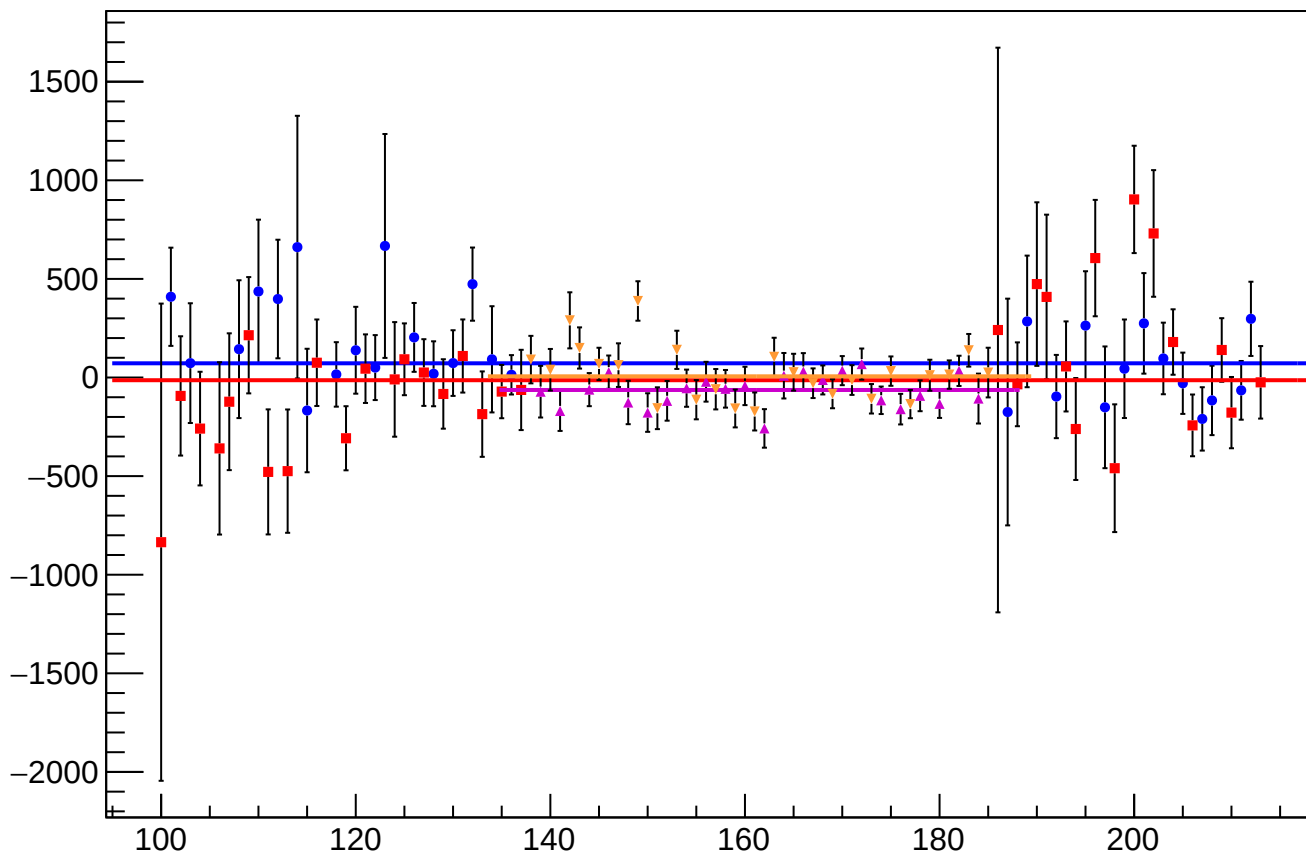
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 228.939+/-0.032 χ^2/NDF : 15974280.7/54

All: 227.563+/-0.022 χ^2/NDF : 31882768.0/11

- sign 226.242+/-0.031 χ^2/NDF : 15904807.3/56

reg_asym_sam_26_avg_mean vs Slug



Right In: 72.049+/-37.300 χ^2/NDF : 22.3/29

Left Out: 6.020+/-17.910 χ^2/NDF : 46.0/24

Right Out: -13.743+/-38.138 χ^2/NDF : 44.0/33

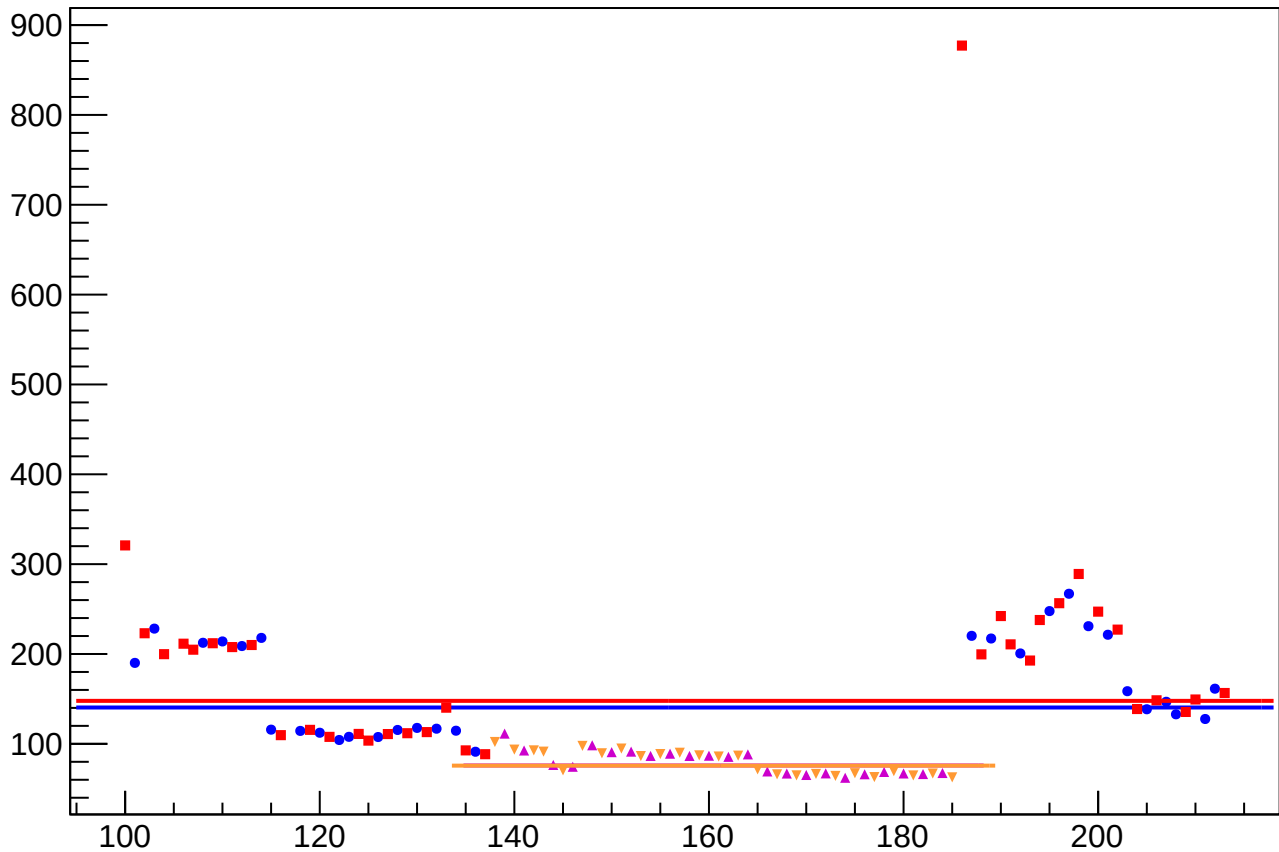
Left In: -63.279+/-18.447 χ^2/NDF : 19.8/22

+ sign 18.391+/-16.145 χ^2/NDF : 70.8/54

All: -16.731+/-11.576 χ^2/NDF : 145.8/111

- sign -53.887+/-16.606 χ^2/NDF : 65.2/56

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.439 $\pm$ 0.026 χ^2/NDF : 2910707.8/29

Left Out: 75.743 $\pm$ 0.013 χ^2/NDF :937821.8/24

Right Out: 147.835 $\pm$ 0.027 χ^2/NDF : 3890549.9/33

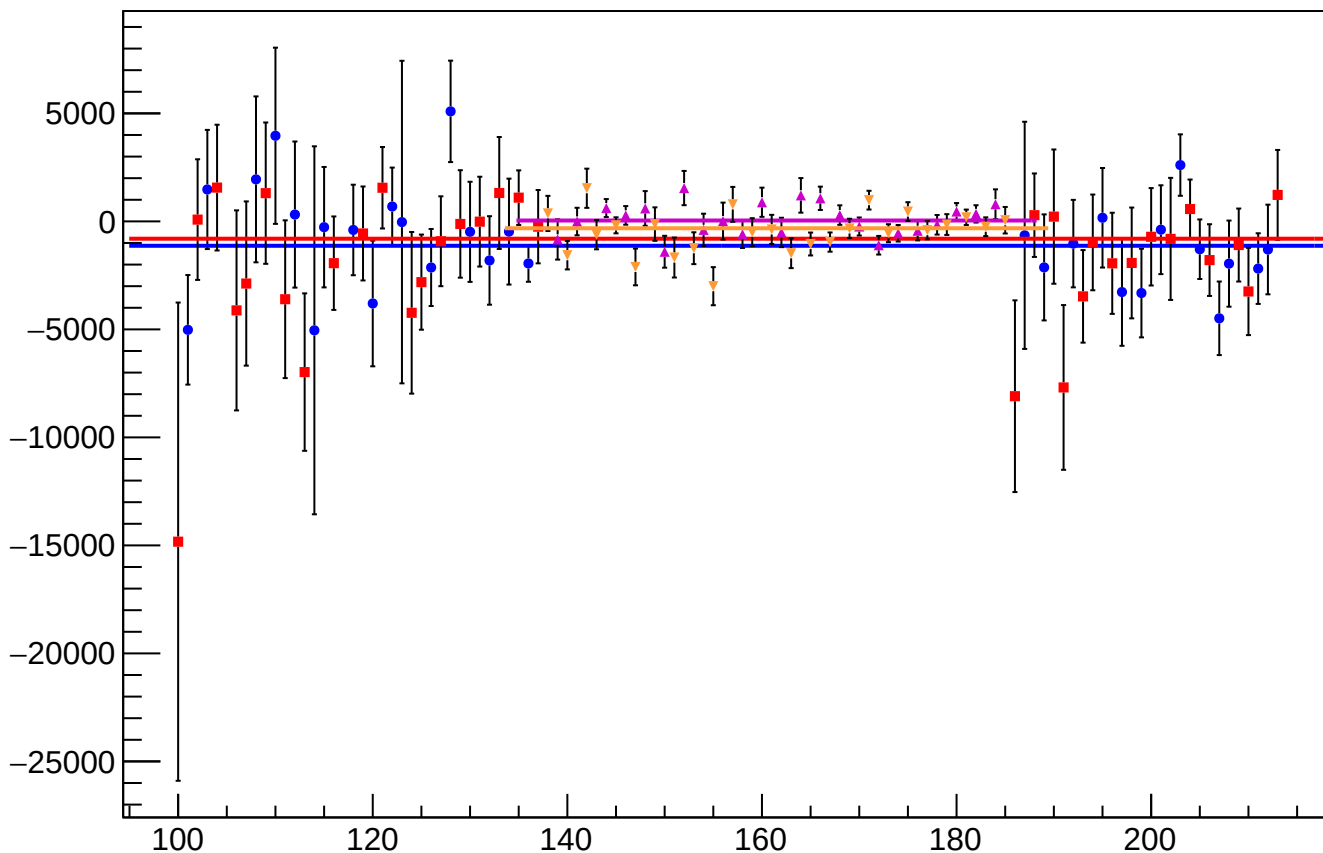
Left In: 75.909 $\pm$ 0.013 χ^2/NDF :831366.4/22

+ sign 87.864 $\pm$ 0.011 χ^2/NDF : 8738173.2/54

All: 88.681 $\pm$ 0.008 χ^2/NDF : 19235537.9/111

- sign 89.546 $\pm$ 0.012 χ^2/NDF : 10486818.1/56

asym_sam_26_avg_correction_mean vs Slug



Right In: -1128.849 $\pm$ 370.449 χ^2/NDF : 30.4/29

Left Out: -318.064 $\pm$ 108.014 χ^2/NDF : 50.0/24

Right Out: -801.855 $\pm$ 388.095 χ^2/NDF : 26.0/33

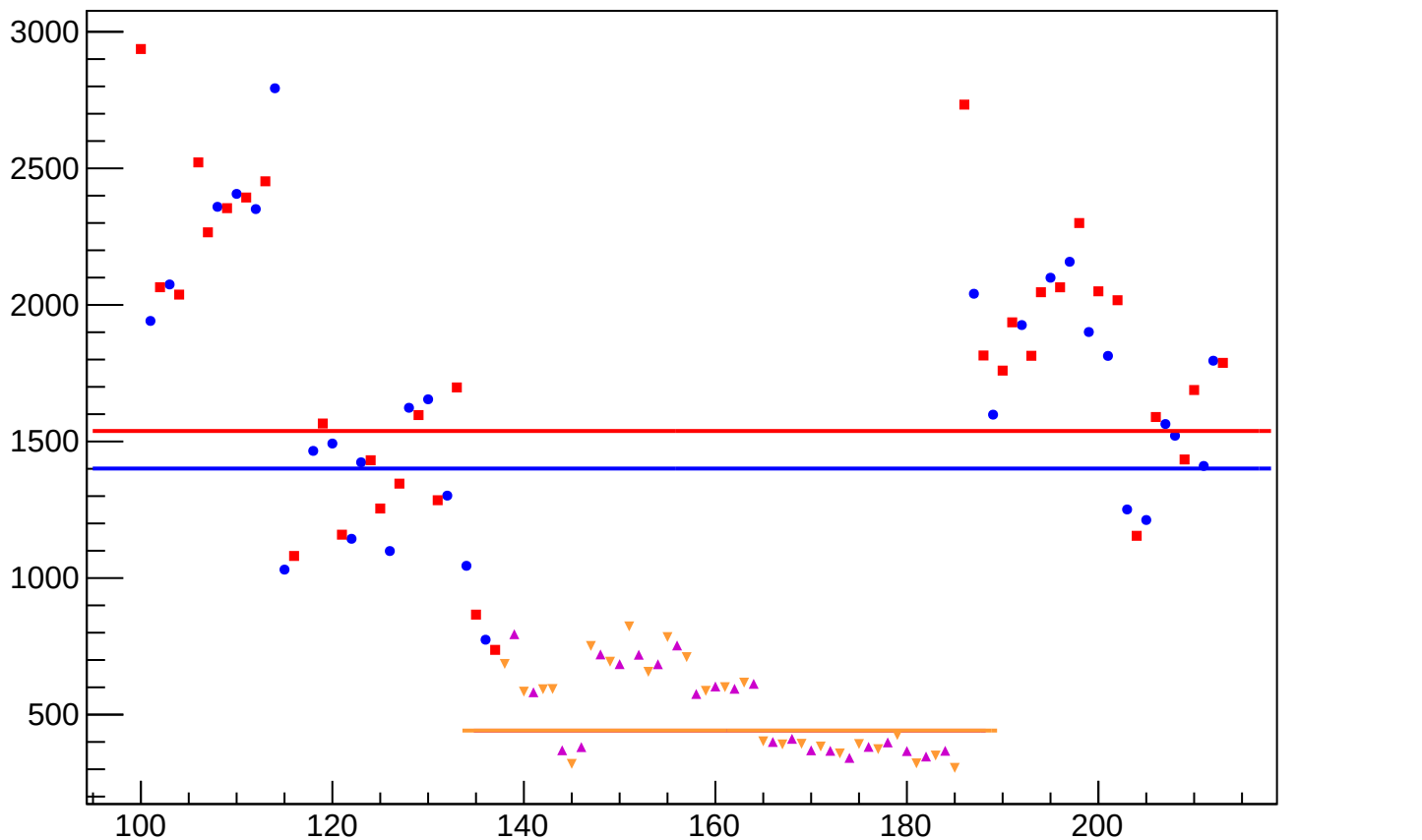
Left In: 40.473 $\pm$ 110.252 χ^2/NDF : 34.7/22

+ sign -381.593 $\pm$ 103.696 χ^2/NDF : 84.8/54

All: -206.053 $\pm$ 74.144 χ^2/NDF : 155.8/111

- sign -22.431 $\pm$ 106.056 χ^2/NDF : 65.1/56

asym_sam_26_avg_correction_rms vs Slug



Right In: 1400.990+/-0.262 χ^2/NDF : 2888149.4/29

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1538.422+/-0.274 χ^2/NDF : 2959283.2/33

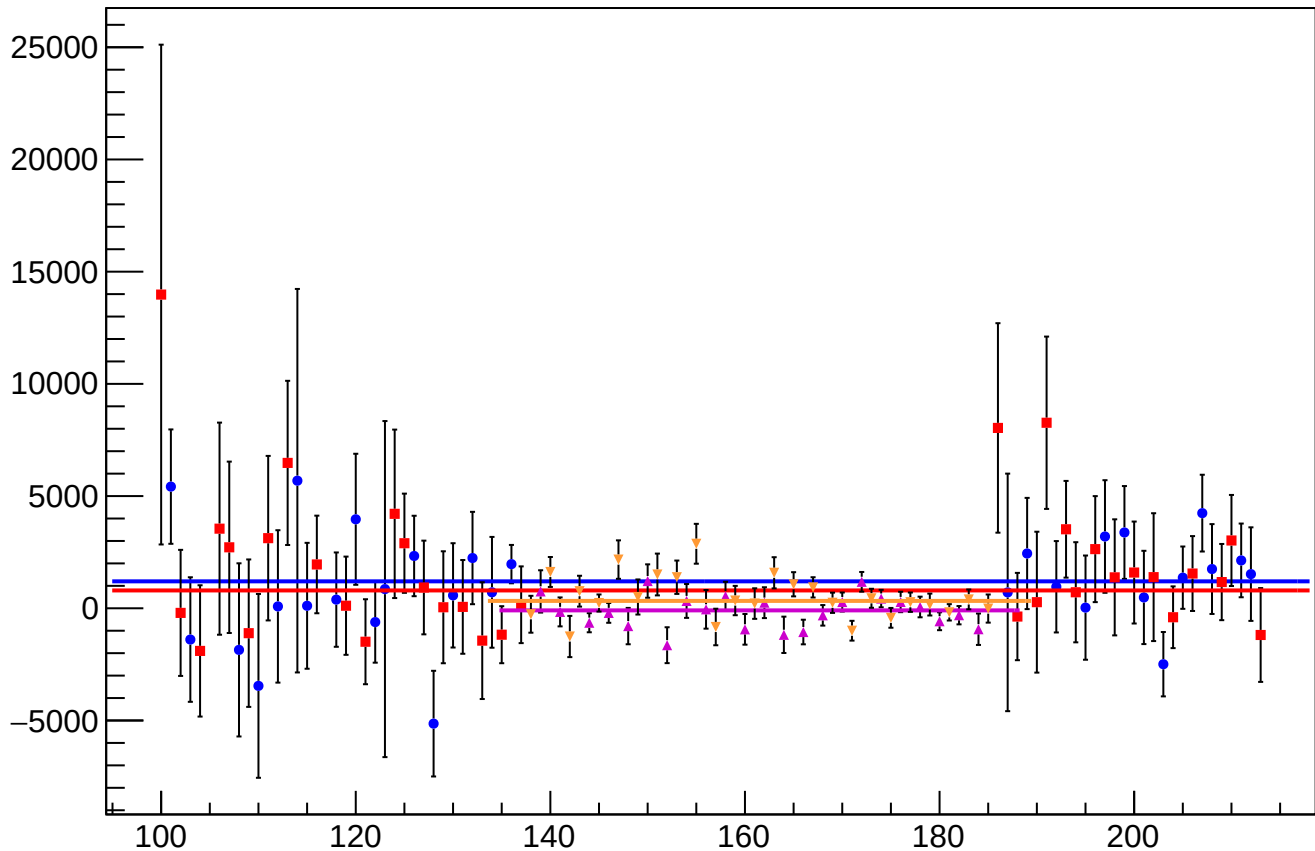
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 516.851+/-0.073 χ^2/NDF : 18418213.9/54

All: 519.837+/-0.052 χ^2/NDF : 38775373.3/11

- sign 522.961+/-0.075 χ^2/NDF : 20353764.8/56

asym_sam_26_avg_mean vs Slug



Right In: 1200.355 ± 372.747 χ^2/NDF : 29.6/29

Left Out: 328.599 ± 109.668 χ^2/NDF : 47.7/24

Right Out: 795.113 ± 390.488 χ^2/NDF : 25.3/33

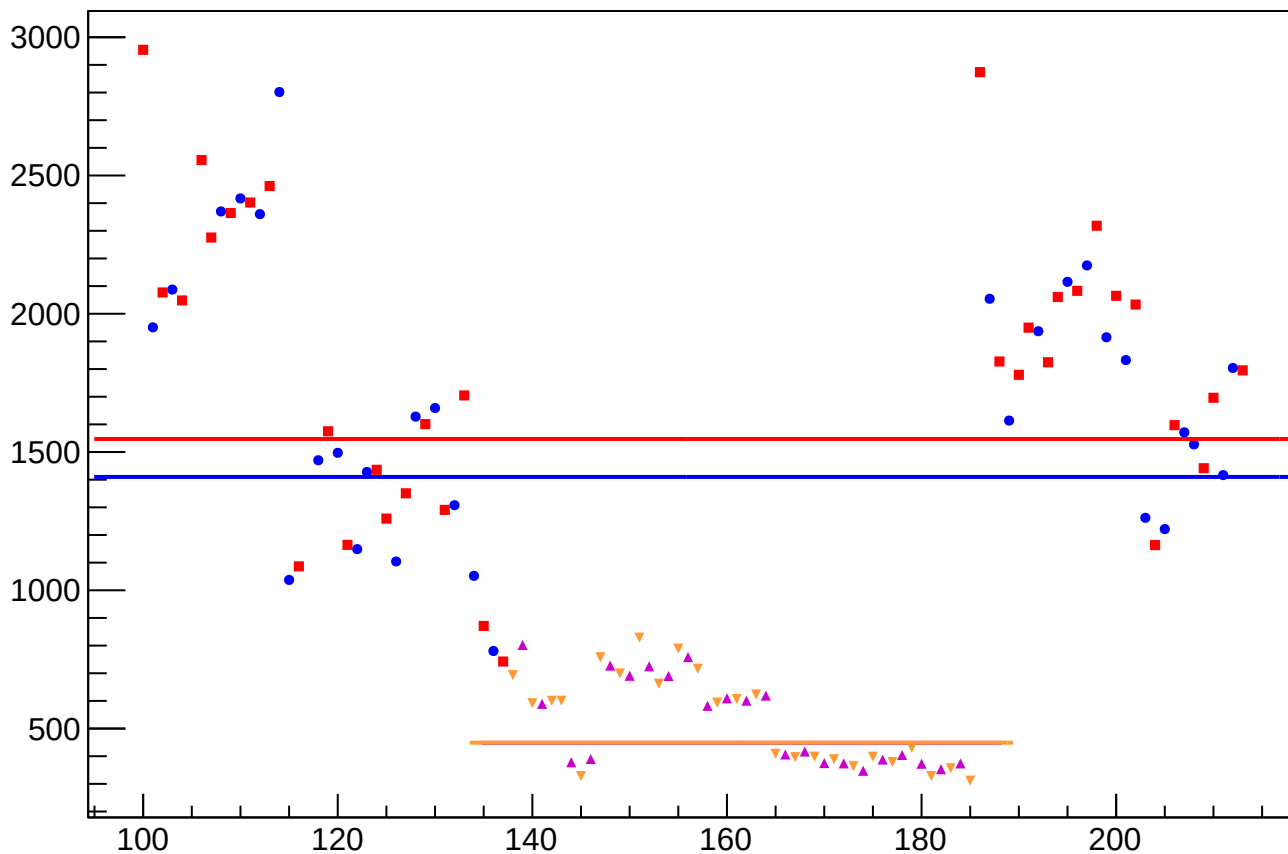
Left In: -93.310 ± 111.960 χ^2/NDF : 33.3/22

+ sign 398.049 ± 105.209 χ^2/NDF : 82.3/54

All: 190.920 ± 75.233 χ^2/NDF : 153.7/111

- sign -25.824 ± 107.623 χ^2/NDF : 63.4/56

asym_sam_26_avg_rms vs Slug



Right In: 1409.968 $\pm$ 0.264 χ^2 /NDF: 2877722.2/29

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF:3090476.2/24

Right Out: 1547.254 $\pm$ 0.276 χ^2 /NDF: 2978304.8/33

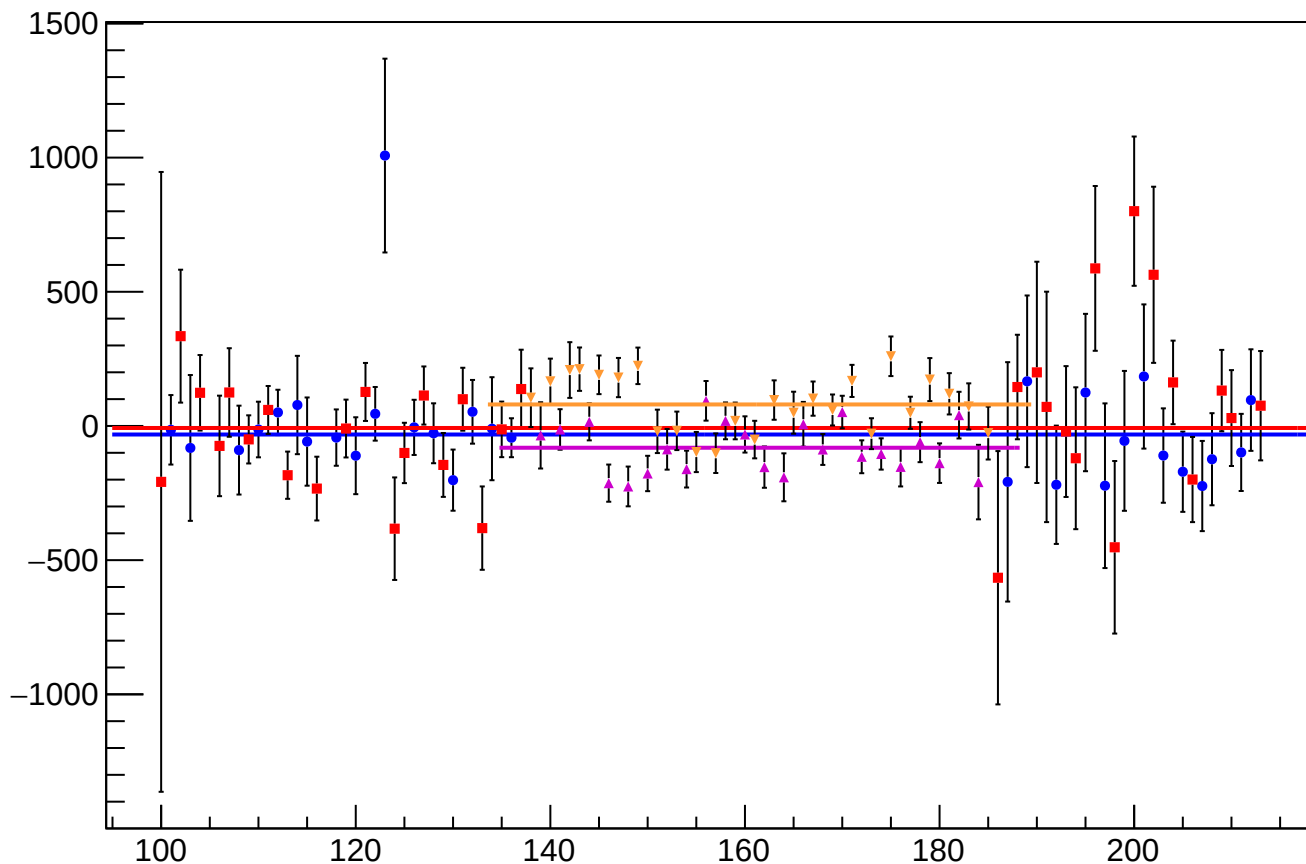
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF:2537376.0/22

+ sign 525.573 $\pm$ 0.074 χ^2 /NDF: 18201681.1/54

All: 528.609 $\pm$ 0.053 χ^2 /NDF: 38357990.2/11

- sign 531.786 $\pm$ 0.076 χ^2 /NDF: 20152900.7/56

reg_asym_sam_37_avg_mean vs Slug



Right In: -31.824 ± 25.770 $\chi^2/\text{NDF}: 19.5/29$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -7.504 ± 25.264 $\chi^2/\text{NDF}: 51.6/33$

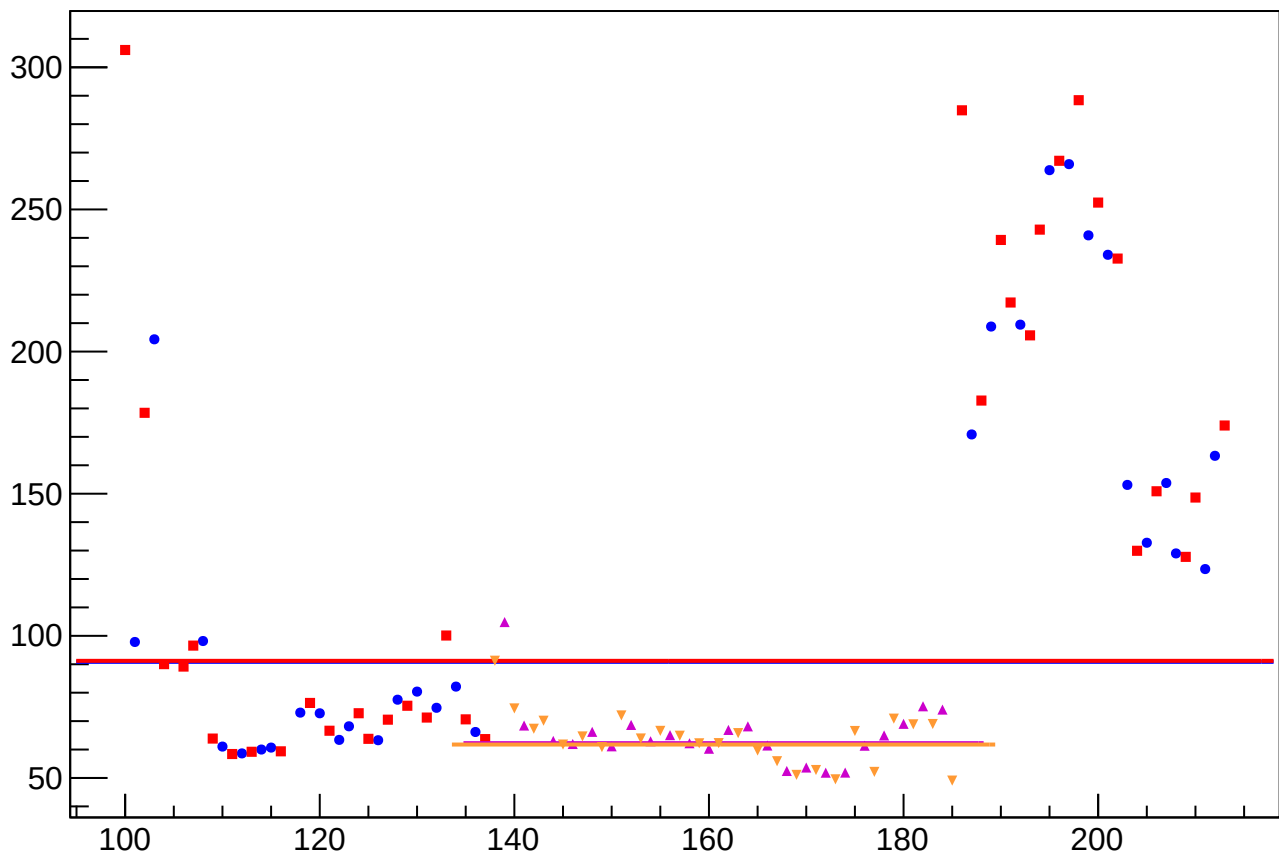
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 52.979 ± 12.698 $\chi^2/\text{NDF}: 82.4/54$

All: -3.197 ± 9.072 $\chi^2/\text{NDF}: 215.5/111$

- sign -61.761 ± 12.965 $\chi^2/\text{NDF}: 93.1/56$

reg_asym_sam_37_avg_rms vs Slug



Right In: 90.851 $\pm$ 0.018 χ^2 /NDF: 6326303.5/29

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 91.206 $\pm$ 0.018 χ^2 /NDF: 7607237.1/33

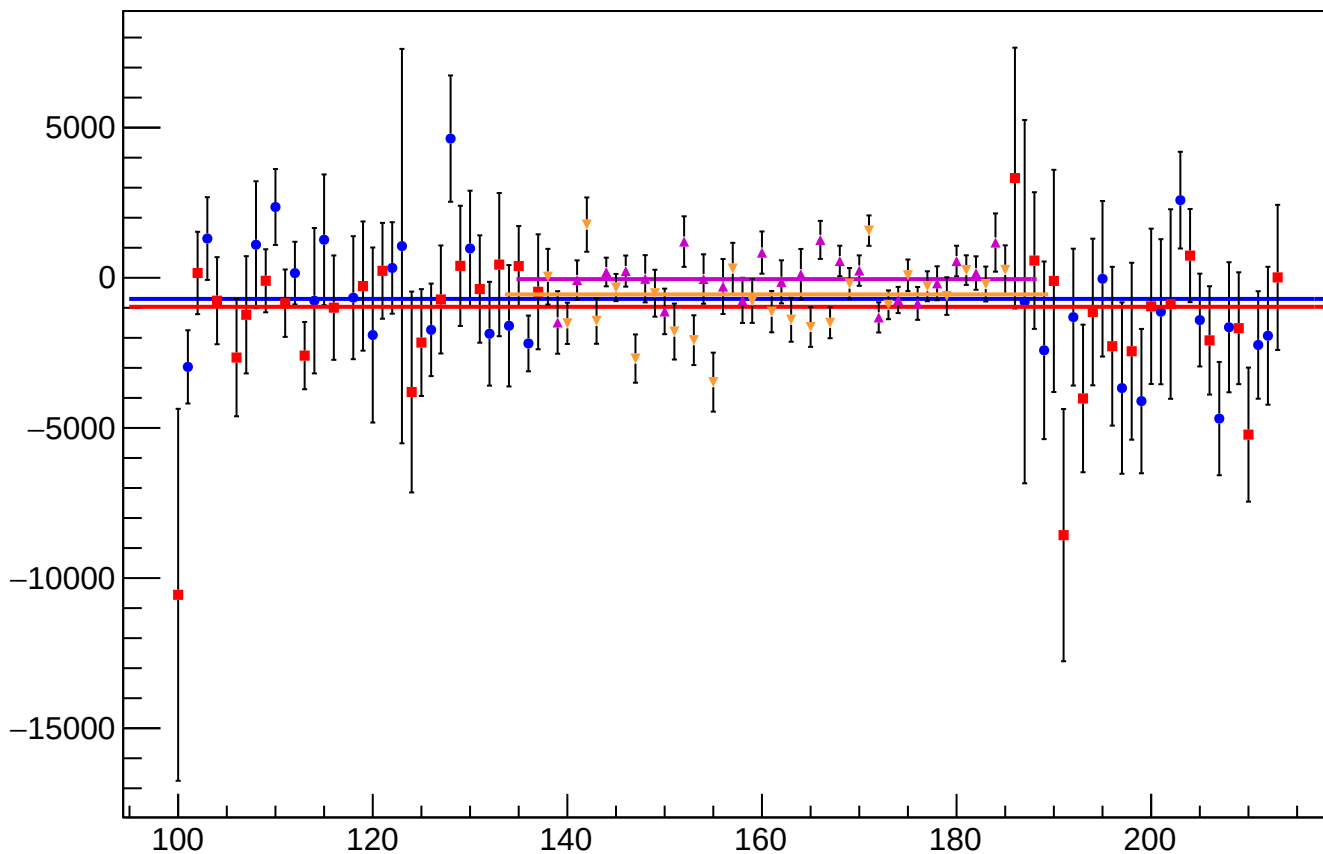
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 68.824 $\pm$ 0.009 χ^2 /NDF: 8901600.9/54

All: 69.339 $\pm$ 0.006 χ^2 /NDF: 19041967.2/111

- sign 69.875 $\pm$ 0.009 χ^2 /NDF: 10133652.7/56

asym_sam_37_avg_correction_mean vs Slug



Right In: -703.277 ± 323.264 $\chi^2/\text{NDF}: 38.9/29$

Left Out: -552.511 ± 126.981 $\chi^2/\text{NDF}: 65.3/24$

Right Out: -966.558 ± 318.087 $\chi^2/\text{NDF}: 22.9/33$

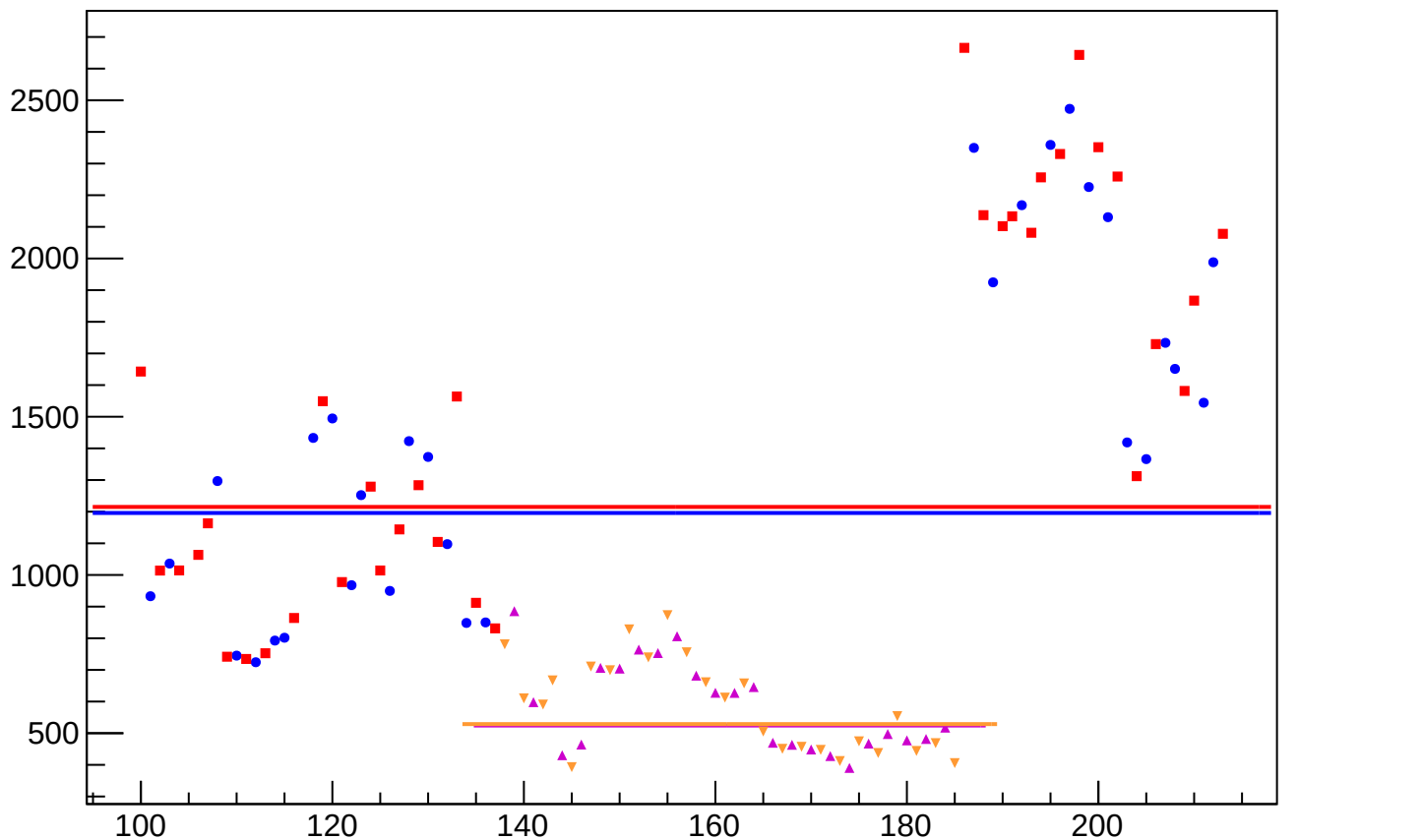
Left In: -44.578 ± 129.095 $\chi^2/\text{NDF}: 29.6/22$

+ sign -572.664 ± 118.190 $\chi^2/\text{NDF}: 104.3/54$

All: -376.203 ± 84.073 $\chi^2/\text{NDF}: 169.6/111$

- sign -174.963 ± 119.619 $\chi^2/\text{NDF}: 59.7/56$

asym_sam_37_avg_correction_rms vs Slug



Right In: 1195.906 $\pm$ 0.229 χ^2 /NDF: 4092595.9/29

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF: 1983697.7/24

Right Out: 1214.971 $\pm$ 0.225 χ^2 /NDF: 5137513.7/33

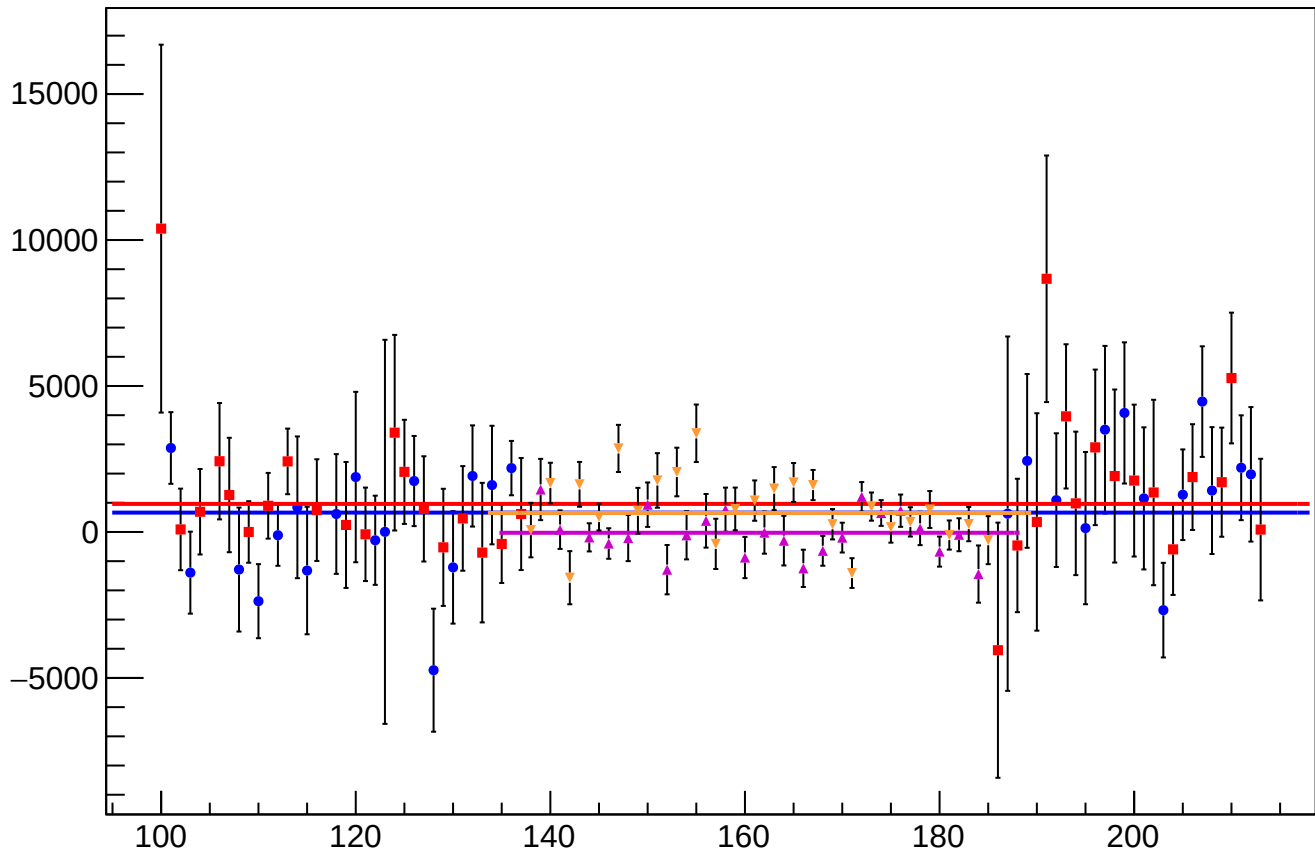
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF: 1716257.3/22

+ sign 617.919 $\pm$ 0.084 χ^2 /NDF: 13456529.1/54

All: 619.908 $\pm$ 0.059 χ^2 /NDF: 28408050.4/1

- sign 621.946 $\pm$ 0.085 χ^2 /NDF: 14950373.9/56

asym_sam_37_avg_mean vs Slug



Right In: 663.559+/-324.778 χ^2/NDF : 38.4/29

Left Out: 651.560+/-127.961 χ^2/NDF : 61.1/24

Right Out: 961.400+/-319.688 χ^2/NDF : 21.9/33

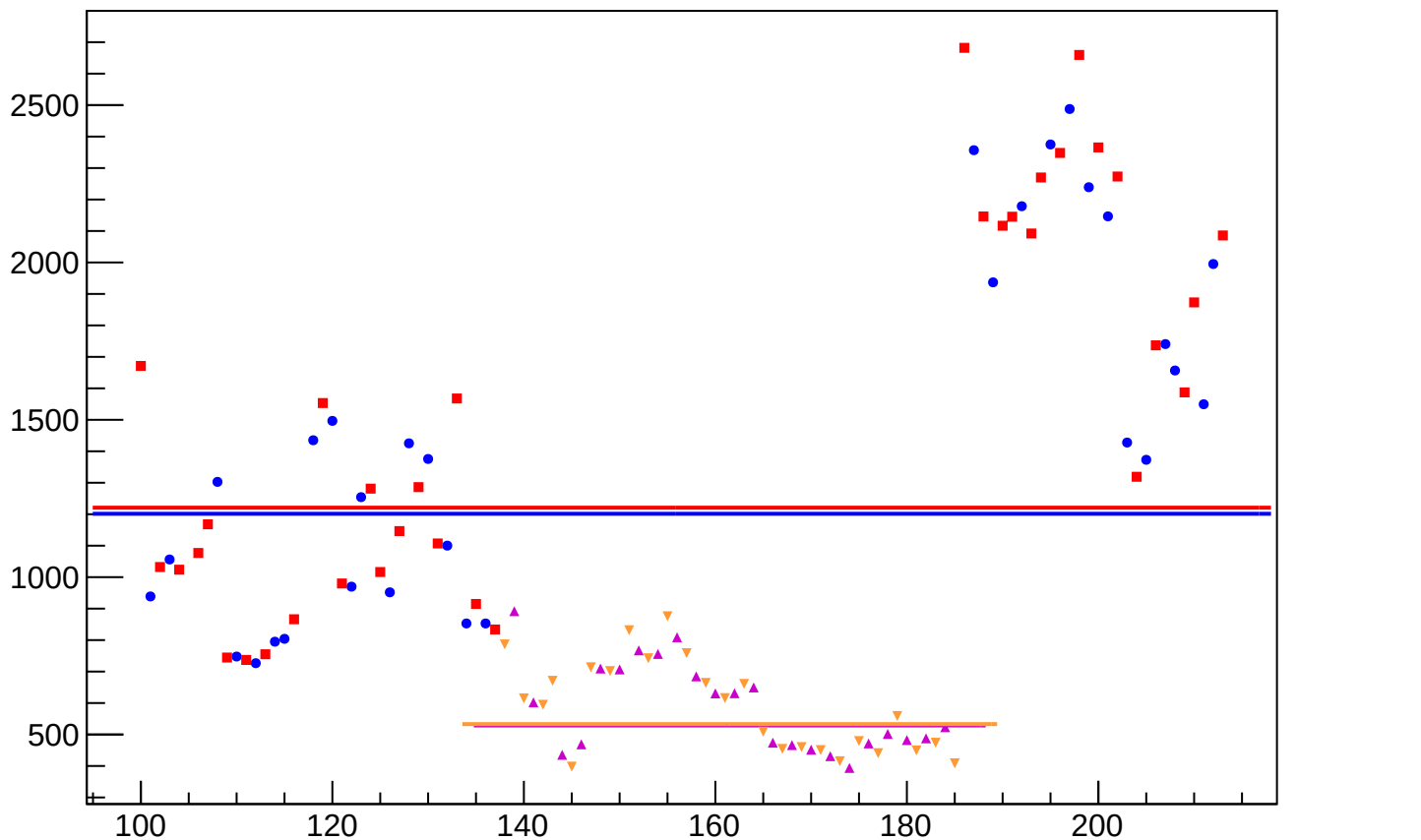
Left In: -27.483+/-130.127 χ^2/NDF : 28.5/22

+ sign 653.172+/-119.054 χ^2/NDF : 99.5/54

All: 386.438+/-84.699 χ^2/NDF : 168.3/111

- sign 113.071+/-120.525 χ^2/NDF : 58.6/56

asym_sam_37_avg_rms vs Slug



Right In: 1201.391+/-0.230 χ^2/NDF : 4098249.6/29

Left Out: 533.060+/-0.090 χ^2/NDF : 1951536.4/24

Right Out: 1220.776+/-0.226 χ^2/NDF : 5144996.5/33

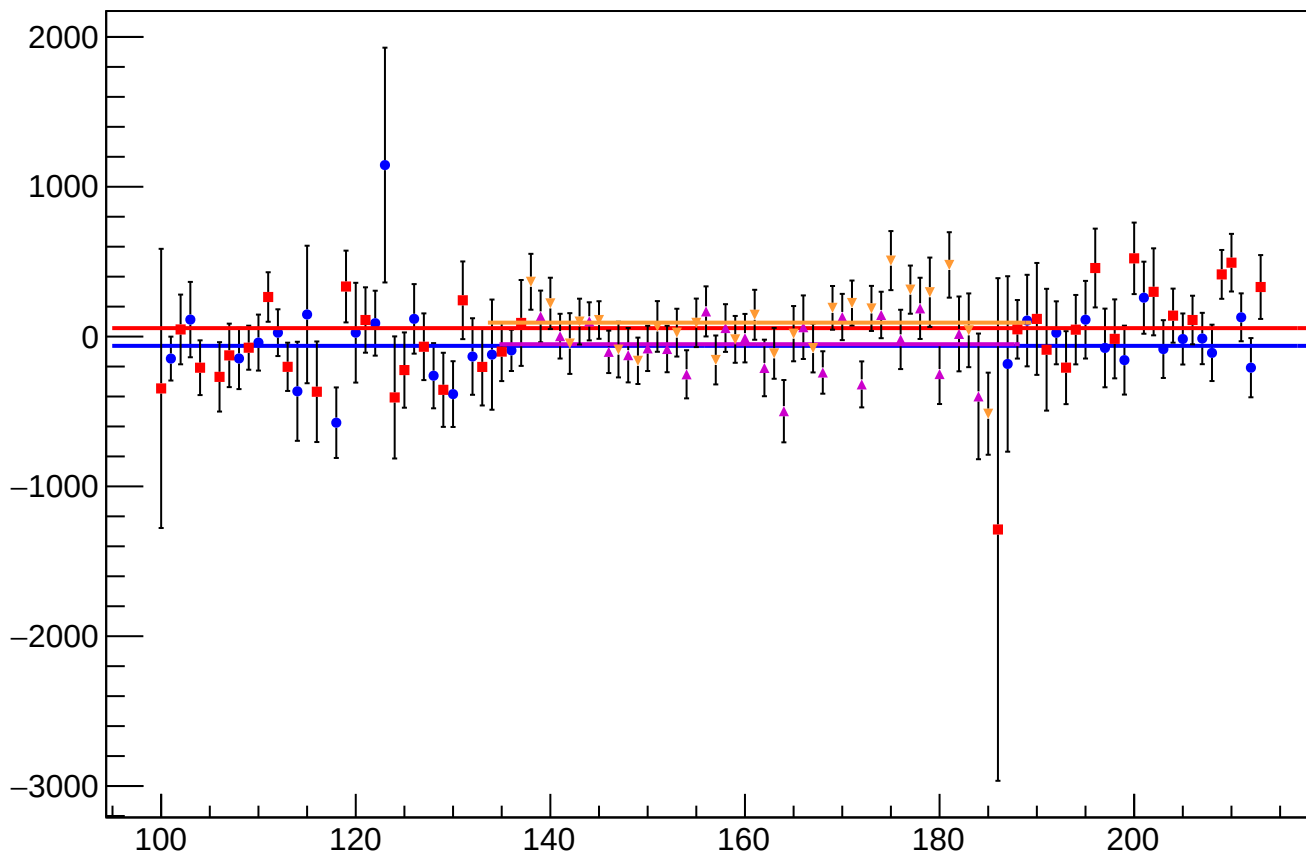
Left In: 528.694+/-0.092 χ^2/NDF : 1688511.2/22

+ sign 622.866+/-0.084 χ^2/NDF : 13380881.5/54

All: 624.939+/-0.060 χ^2/NDF : 28256656.0/11

- sign 627.063+/-0.085 χ^2/NDF : 14874546.9/56

reg_asym_sam_48_avg_mean vs Slug



Right In: -61.948 ± 39.346 $\chi^2/\text{NDF}: 18.9/29$

Left Out: 92.994 ± 34.054 $\chi^2/\text{NDF}: 29.4/24$

Right Out: 56.315 ± 38.502 $\chi^2/\text{NDF}: 41.6/33$

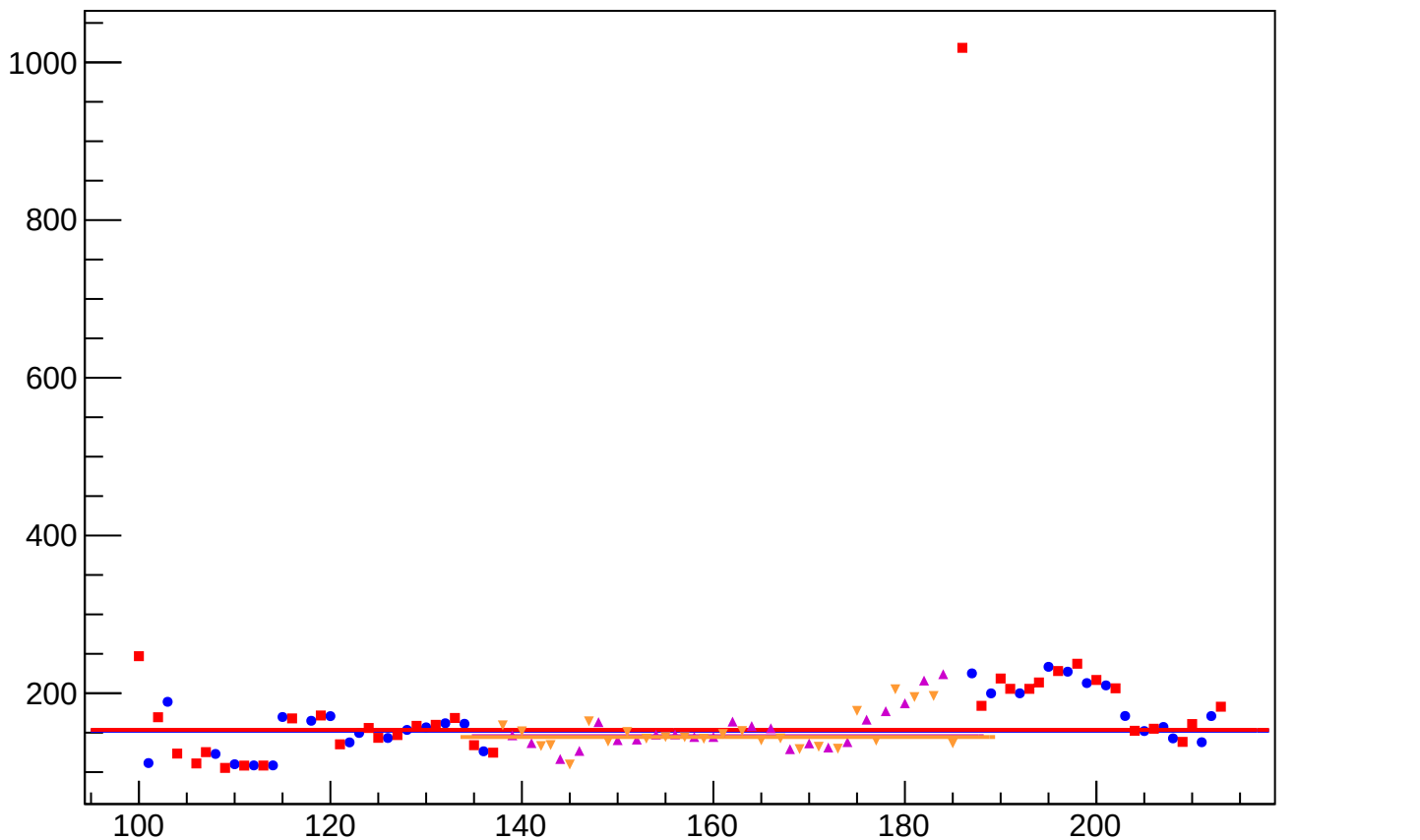
Left In: -50.896 ± 35.280 $\chi^2/\text{NDF}: 23.5/22$

+ sign 26.636 ± 25.749 $\chi^2/\text{NDF}: 57.2/54$

All: 12.481 ± 18.299 $\chi^2/\text{NDF}: 127.1/111$

- sign -1.964 ± 26.011 $\chi^2/\text{NDF}: 69.3/56$

reg_asym_sam_48_avg_rms vs Slug



Right In: 152.431 $\pm$ 0.028 χ^2 /NDF: 1493329.9/29

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 153.524 $\pm$ 0.027 χ^2 /NDF: 2322637.7/33

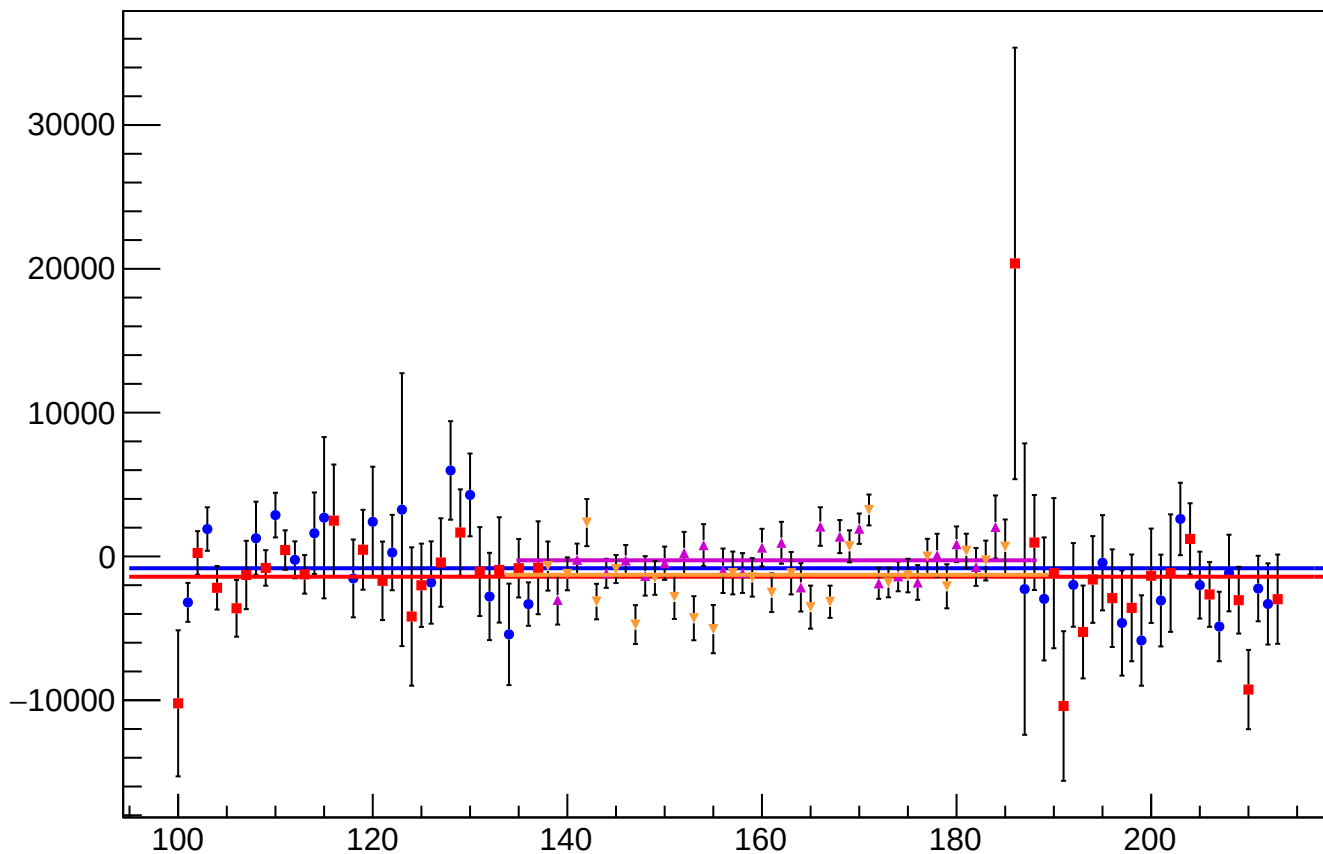
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 147.883 $\pm$ 0.018 χ^2 /NDF: 2210573.5/54

All: 148.525 $\pm$ 0.013 χ^2 /NDF: 5226069.7/111

- sign 149.181 $\pm$ 0.018 χ^2 /NDF: 3012978.9/56

asym_sam_48_avg_correction_mean vs Slug



Right In: -821.033 ± 440.638 χ^2/NDF : 37.8/29

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1411.791 ± 415.896 χ^2/NDF : 28.8/33

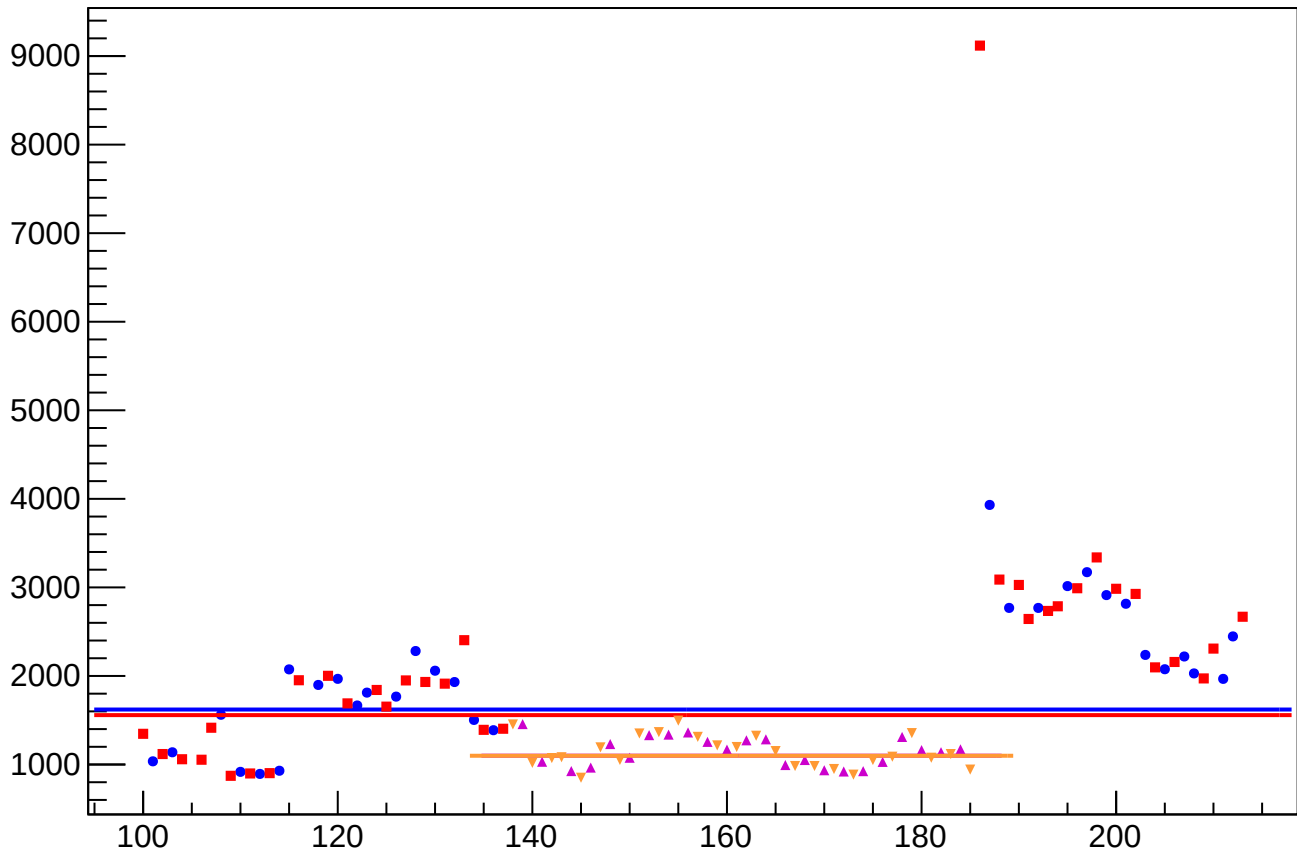
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1161.447 ± 223.476 χ^2/NDF : 94.6/54

All: -882.606 ± 158.289 χ^2/NDF : 156.1/111

- sign -601.873 ± 224.233 χ^2/NDF : 58.4/56

asym_sam_48_avg_correction_rms vs Slug



Right In: 1620.946+/-0.312 χ^2/NDF : 4470586.7/29

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1557.788+/-0.294 χ^2/NDF : 6284857.9/33

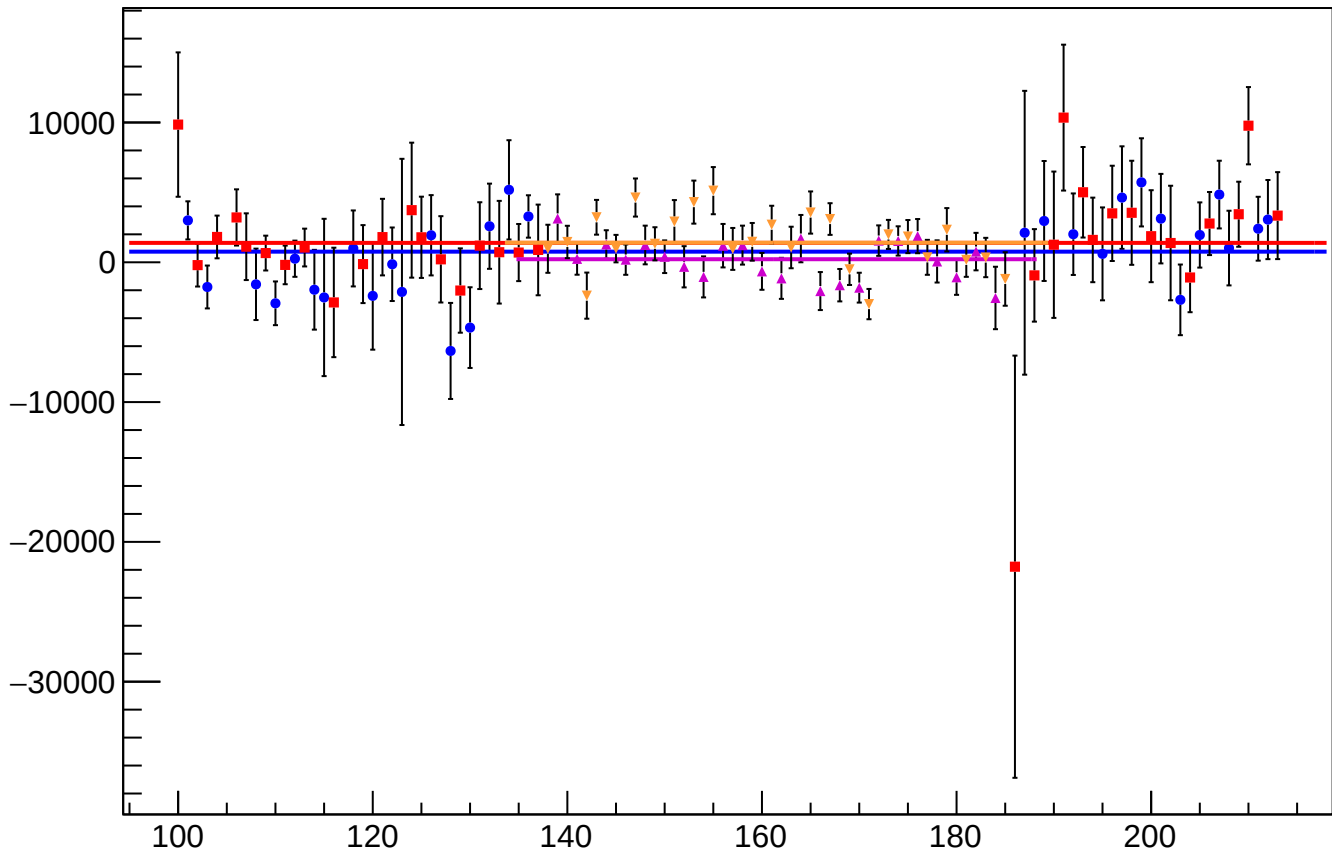
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1233.186+/-0.158 χ^2/NDF : 7380034.4/54

All: 1232.984+/-0.112 χ^2/NDF : 16066708.2/100

- sign 1232.780+/-0.159 χ^2/NDF : 8686670.5/56

asym_sam_48_avg_mean vs Slug



Right In: 760.323 $\pm$ 443.013 χ^2 /NDF: 37.5/29

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 1388.254 $\pm$ 418.555 χ^2 /NDF: 29.3/33

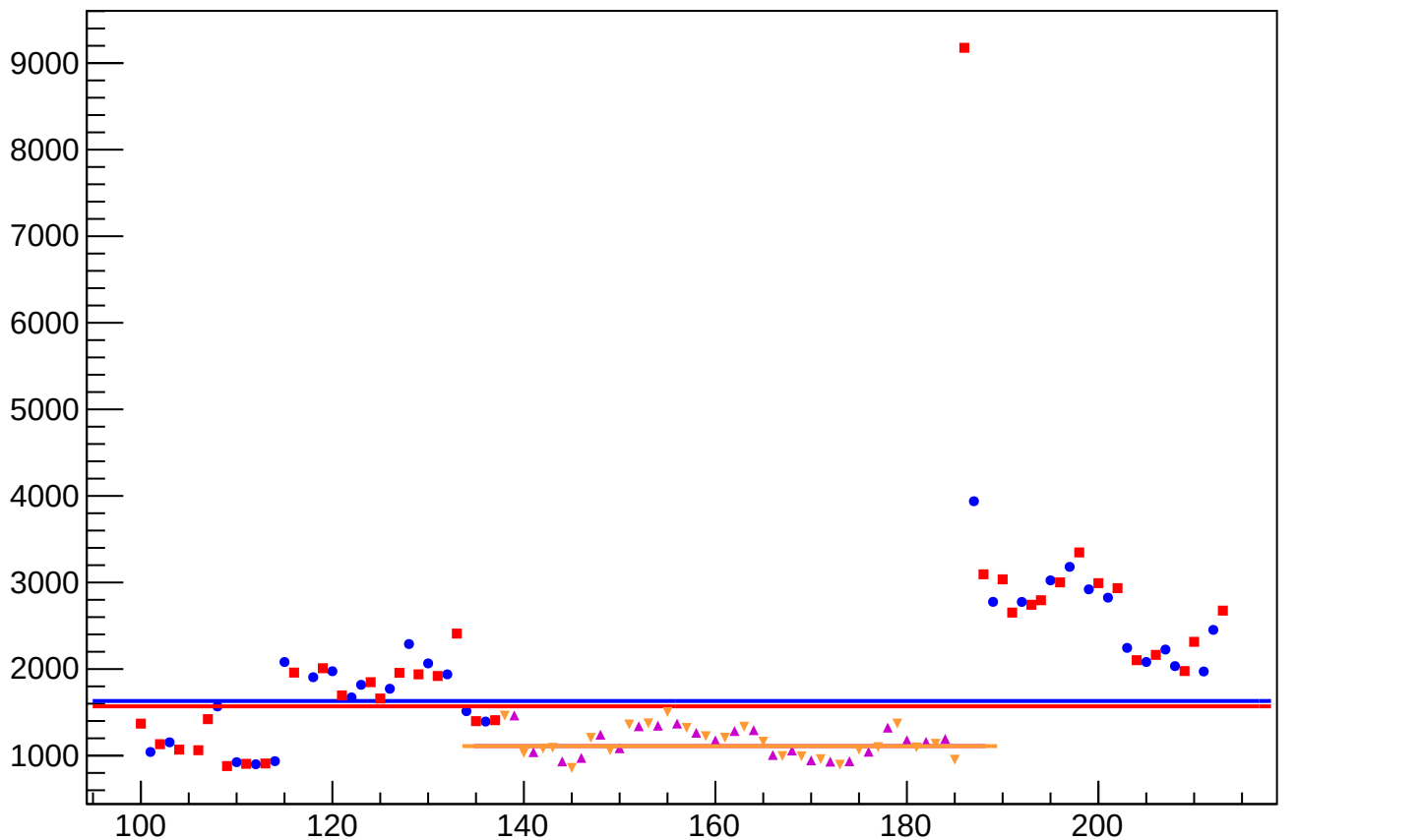
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1234.765 $\pm$ 225.389 χ^2 /NDF: 91.3/54

All: 899.001 $\pm$ 159.662 χ^2 /NDF: 155.5/111

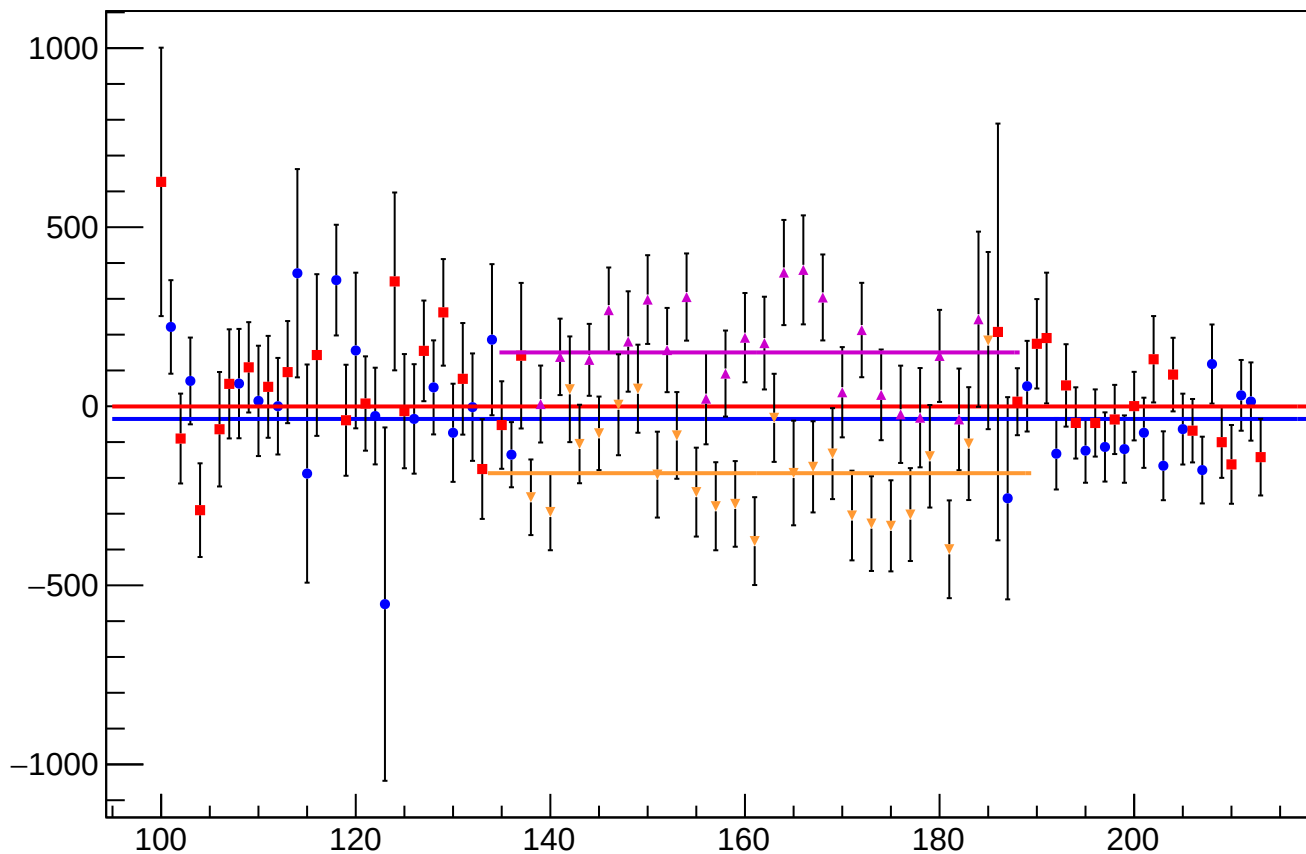
- sign 560.797 $\pm$ 226.206 χ^2 /NDF: 59.8/56

asym_sam_48_avg_rms vs Slug



Right In: 1631.100+/-0.313	χ^2/NDF : 4424747.1/29	+ sign 1244.705+/-0.159	χ^2/NDF : 7289733.0/54
Left Out: 1109.761+/-0.185	χ^2/NDF : 812174.9/24	All: 1244.604+/-0.113	χ^2/NDF : 15883660.0/100
Right Out: 1569.184+/-0.296	χ^2/NDF : 6223966.3/33	- sign 1244.503+/-0.160	χ^2/NDF : 8593926.2/56
Left In: 1110.542+/-0.190	χ^2/NDF : 669928.9/22		

reg_asym_sam_15_dd_mean vs Slug



Right In: -35.411 ± 22.523 $\chi^2/\text{NDF}: 30.0/29$

Left Out: -186.838 ± 25.308 $\chi^2/\text{NDF}: 26.6/24$

Right Out: -0.529 ± 21.788 $\chi^2/\text{NDF}: 30.7/33$

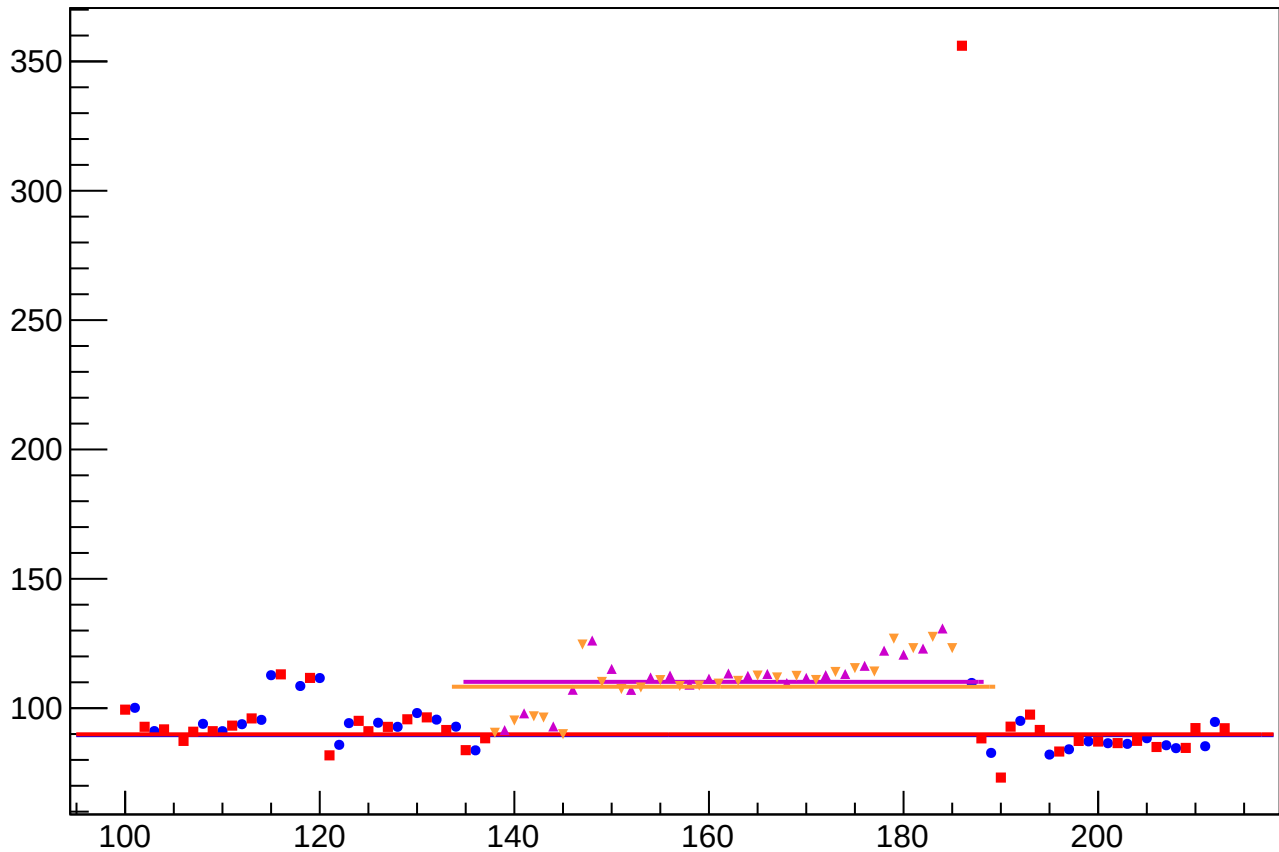
Left In: 150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

+ sign -102.337 ± 16.825 $\chi^2/\text{NDF}: 76.6/54$

All: -20.892 ± 11.894 $\chi^2/\text{NDF}: 194.2/111$

- sign 60.462 ± 16.816 $\chi^2/\text{NDF}: 70.7/56$

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.564 $\pm$ 0.016 χ^2 /NDF: 169726.6/29

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 89.893 $\pm$ 0.015 χ^2 /NDF: 584969.6/33

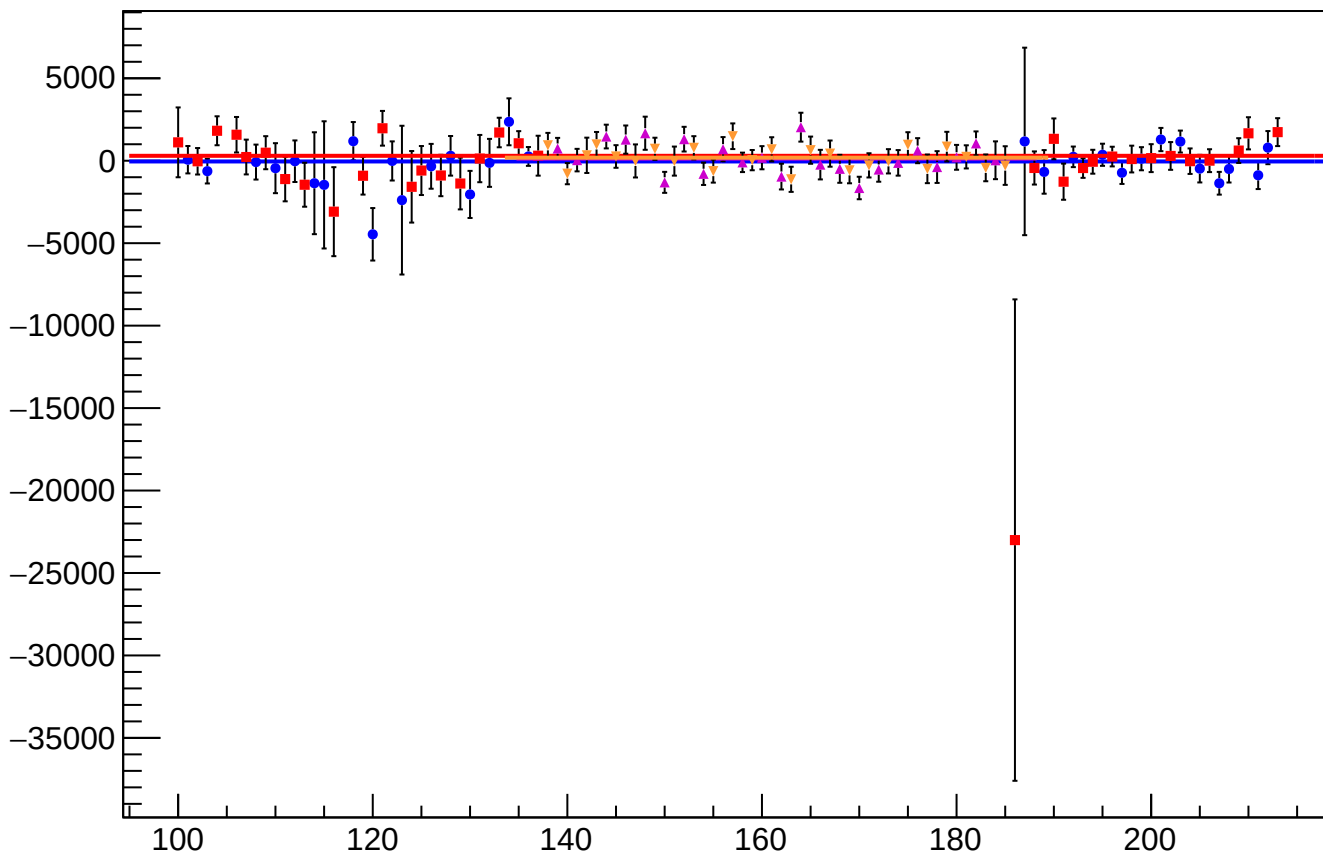
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 97.839 $\pm$ 0.012 χ^2 /NDF: 1111257.0/54

All: 97.966 $\pm$ 0.008 χ^2 /NDF: 2644026.1/111

- sign 98.093 $\pm$ 0.012 χ^2 /NDF: 1532541.4/56

asym_sam_15_dd_correction_mean vs Slug



Right In: -44.272 ± 170.643 χ^2/NDF : 30.1/29

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 298.646 ± 164.309 χ^2/NDF : 32.6/33

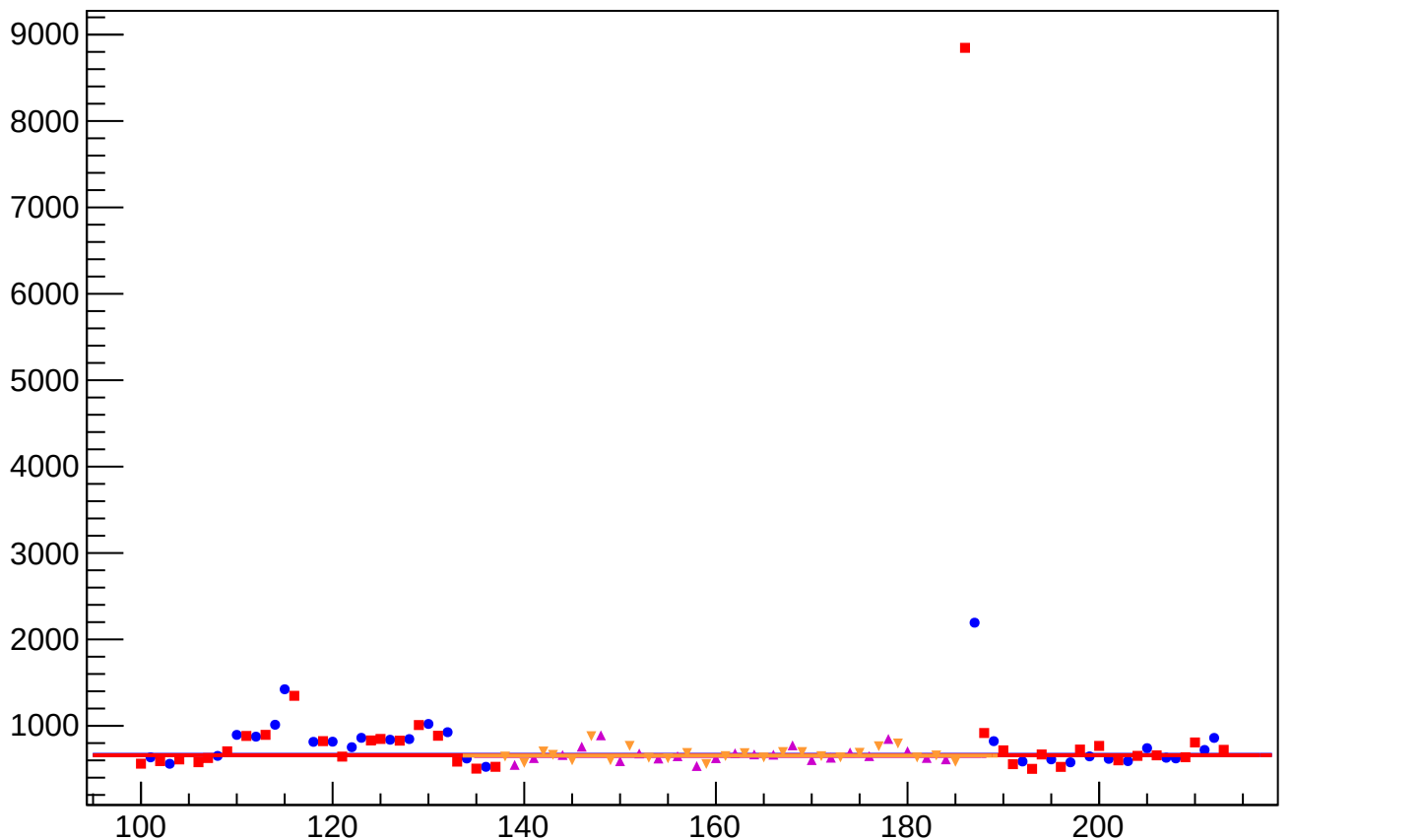
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 82.537 ± 114.197 χ^2/NDF : 49.4/54

All: 146.587 ± 80.527 χ^2/NDF : 119.5/111

- sign 209.936 ± 113.570 χ^2/NDF : 69.4/56

asym_sam_15_dd_correction_rms vs Slug



Right In: 663.938 $\pm$ 0.121 χ^2 /NDF: 1097344.5/29

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 659.976 $\pm$ 0.116 χ^2 /NDF: 1826552.2/33

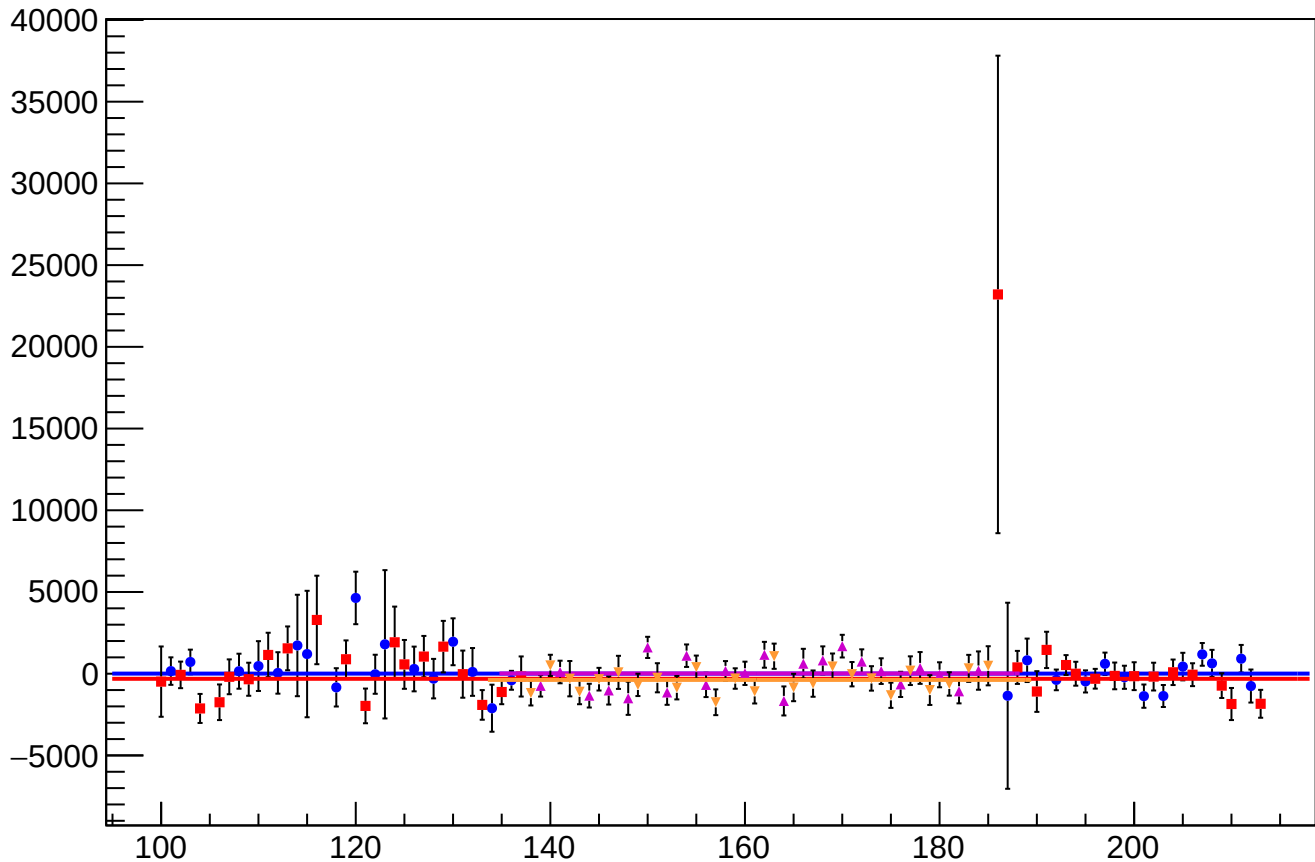
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 659.088 $\pm$ 0.081 χ^2 /NDF: 1467619.3/54

All: 657.147 $\pm$ 0.057 χ^2 /NDF: 3764636.5/111

- sign 655.227 $\pm$ 0.080 χ^2 /NDF: 2295867.7/56

asym_sam_15_dd_mean vs Slug



Right In: 5.985 ± 172.334 χ^2/NDF : 30.5/29

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -311.336 ± 166.031 χ^2/NDF : 37.4/33

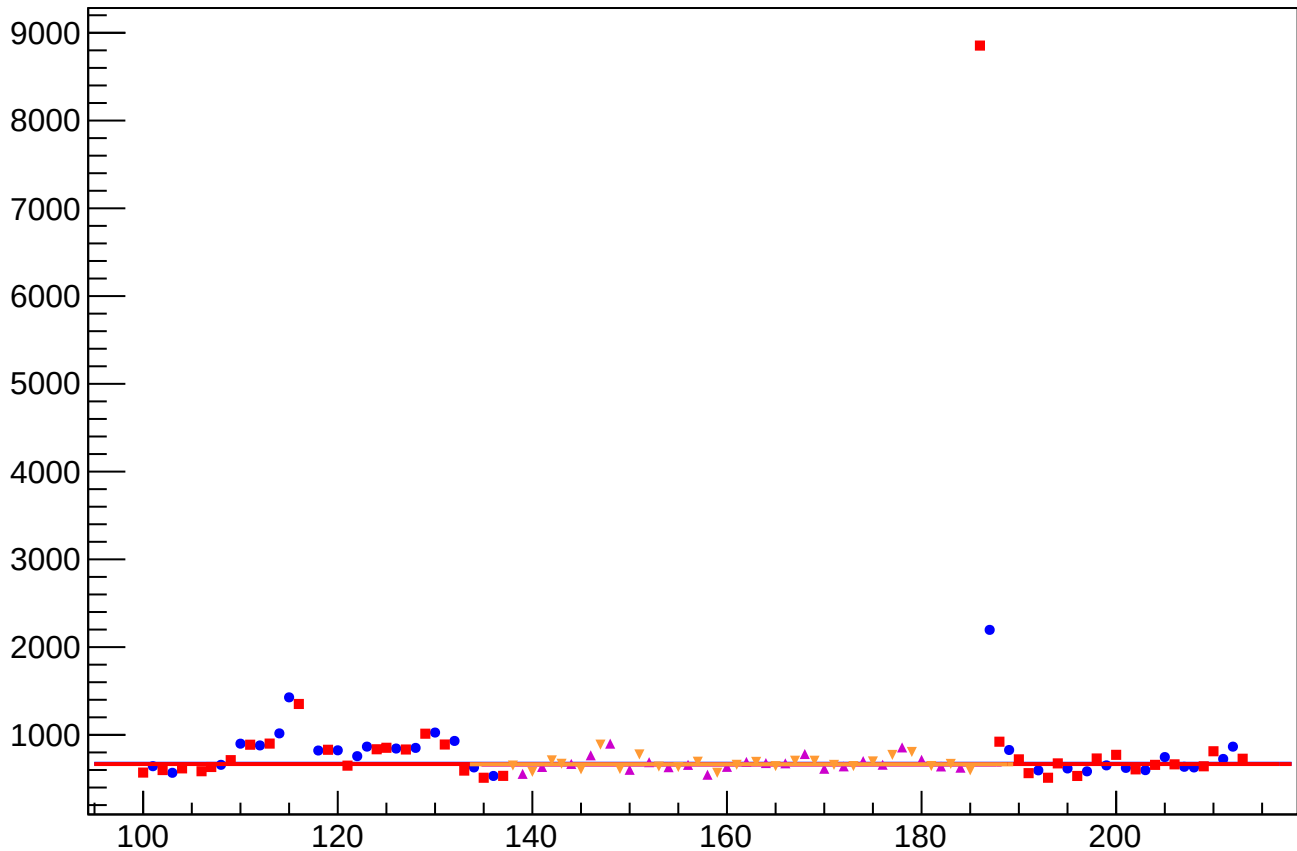
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -206.002 ± 115.609 χ^2/NDF : 52.1/54

All: -173.718 ± 81.542 χ^2/NDF : 128.9/111

- sign -141.758 ± 115.028 χ^2/NDF : 76.6/56

asym_sam_15_dd_rms vs Slug



Right In: 670.932+/-0.122 χ^2/NDF : 1072446.7/29

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 667.455+/-0.117 χ^2/NDF : 1788076.5/33

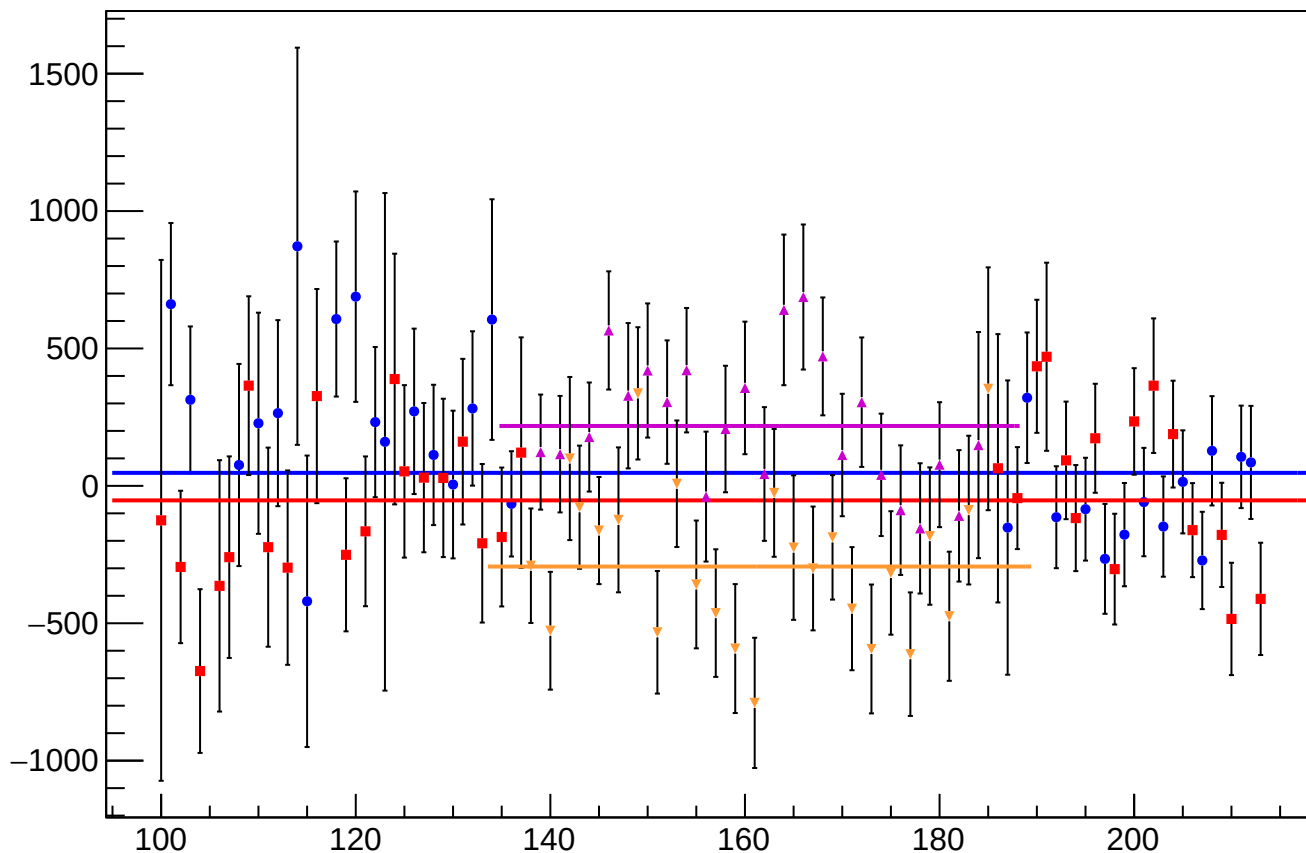
Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

+ sign 667.544+/-0.082 χ^2/NDF : 1430905.6/54

All: 665.784+/-0.058 χ^2/NDF : 3670710.9/111

- sign 664.041+/-0.081 χ^2/NDF : 2238882.5/56

reg_asym_sam_26_dd_mean vs Slug



Right In: 47.342 ± 44.785 χ^2/NDF : 30.2/29

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -52.863 ± 43.950 χ^2/NDF : 37.2/33

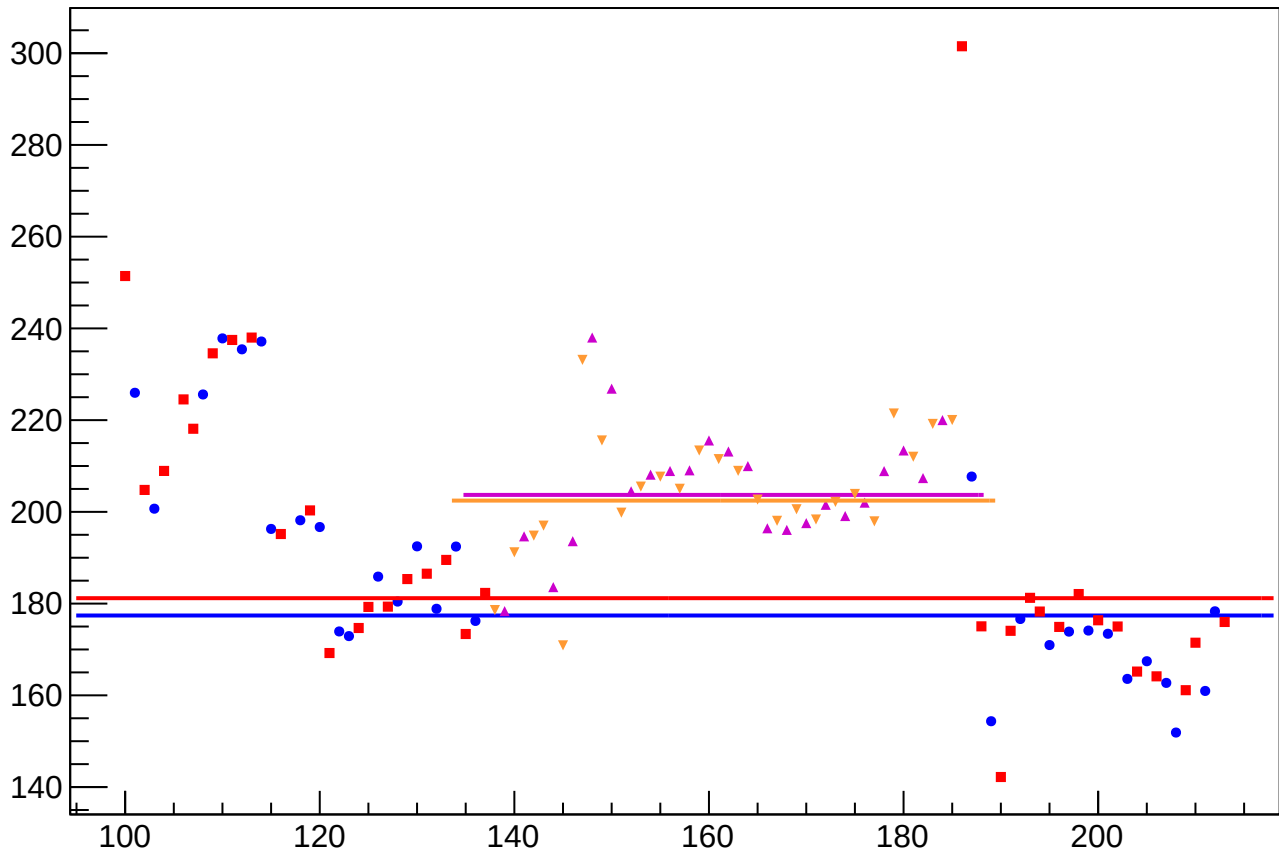
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -114.168 ± 32.489 χ^2/NDF : 87.9/54

All: -23.386 ± 23.035 χ^2/NDF : 179.1/111

- sign 68.377 ± 32.664 χ^2/NDF : 75.5/56

reg_asym_sam_26_dd_rms vs Slug



Right In: 177.405 $\pm$ 0.032 χ^2 /NDF: 359796.8/29

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 181.181 $\pm$ 0.031 χ^2 /NDF: 498905.6/33

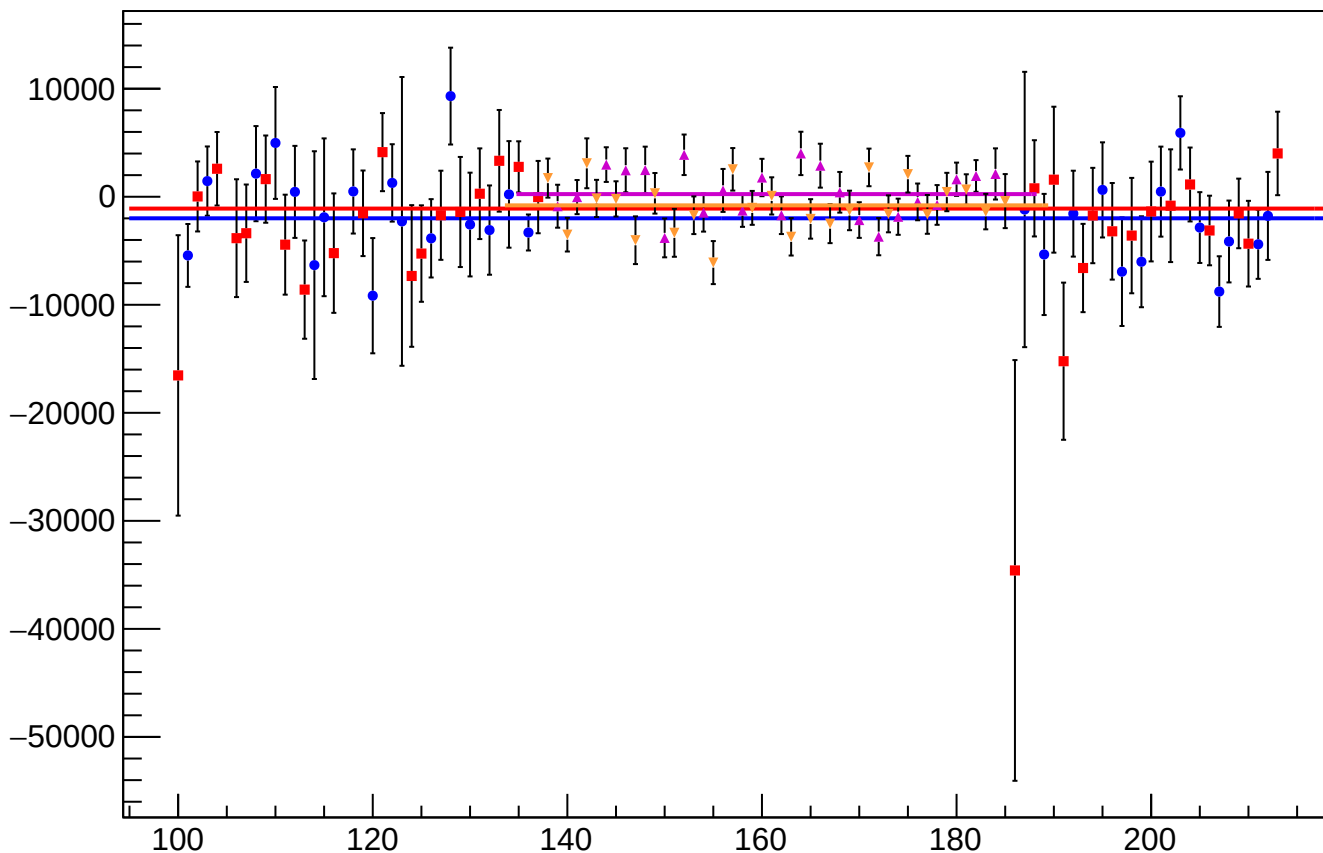
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 189.274 $\pm$ 0.023 χ^2 /NDF: 814895.1/54

All: 190.262 $\pm$ 0.016 χ^2 /NDF: 1688739.3/111

- sign 191.261 $\pm$ 0.023 χ^2 /NDF: 870120.8/56

asym_sam_26_dd_correction_mean vs Slug



Right In: -1994.628 ± 705.598 χ^2/NDF : 30.0/29

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1094.673 ± 721.170 χ^2/NDF : 27.7/33

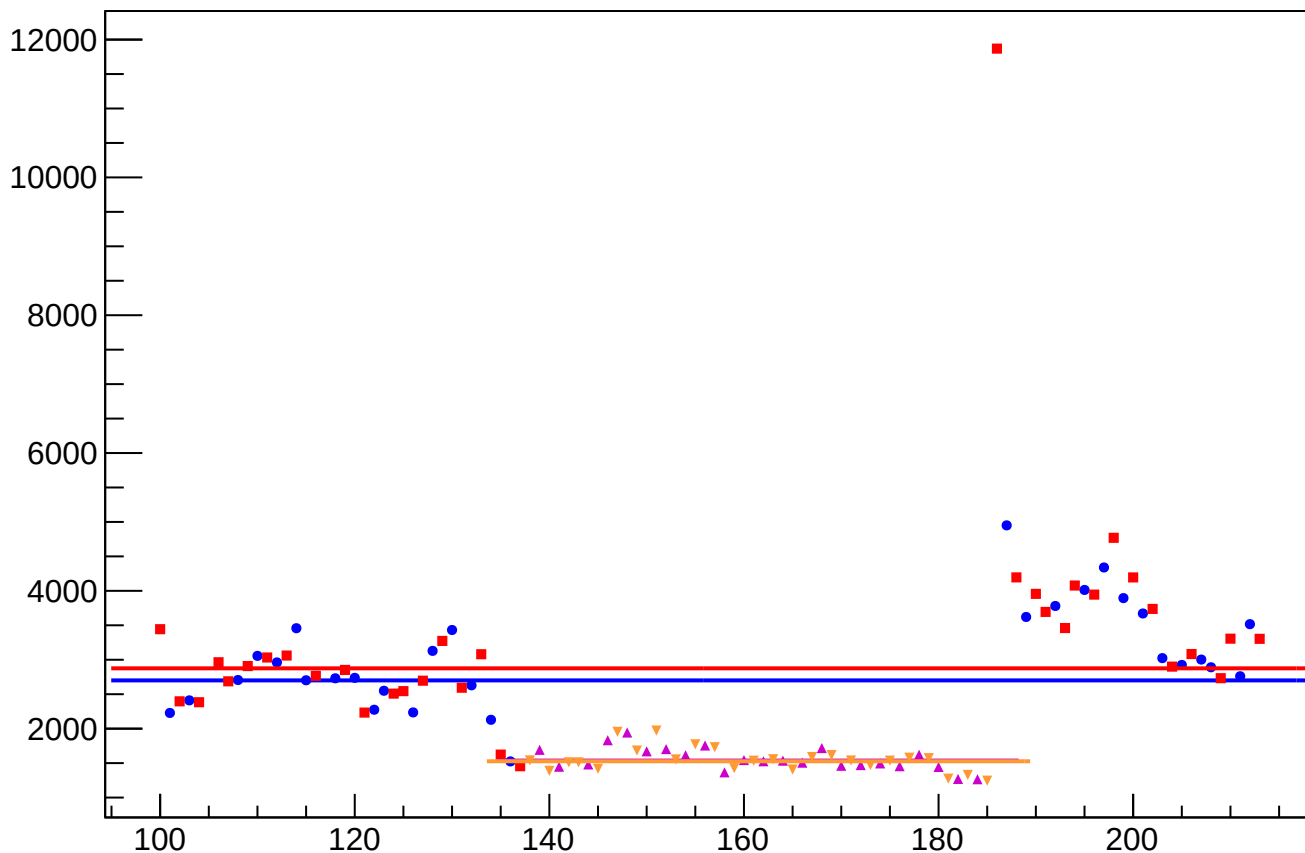
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1041.646 ± 319.152 χ^2/NDF : 68.0/54

All: -553.218 ± 229.108 χ^2/NDF : 139.0/111

- sign -33.891 ± 329.093 χ^2/NDF : 66.2/56

asym_sam_26_dd_correction_rms vs Slug



Right In: 2700.262+/-0.499 χ^2/NDF : 2300378.4/29

Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24

Right Out: 2875.412+/-0.510 χ^2/NDF : 2641340.1/33

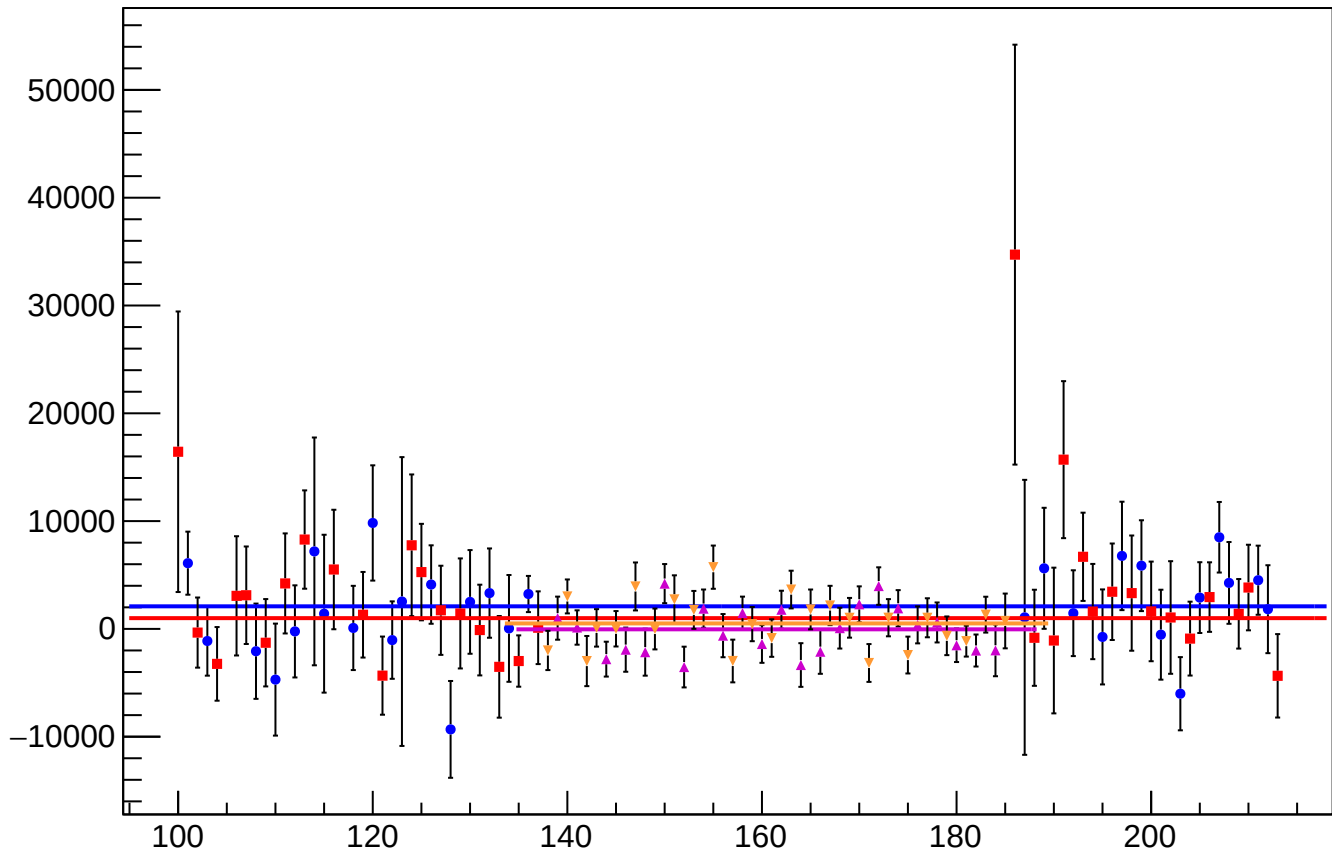
Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

+ sign 1766.807+/-0.226 χ^2/NDF : 7095856.2/54

All: 1790.331+/-0.162 χ^2/NDF : 15567917.8/100

- sign 1815.343+/-0.233 χ^2/NDF : 8449643.0/56

asym_sam_26_dd_mean vs Slug



Right In: 2093.754 $\pm$ 707.839 χ^2 /NDF: 30.0/29

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 997.669 $\pm$ 723.296 χ^2 /NDF: 28.4/33

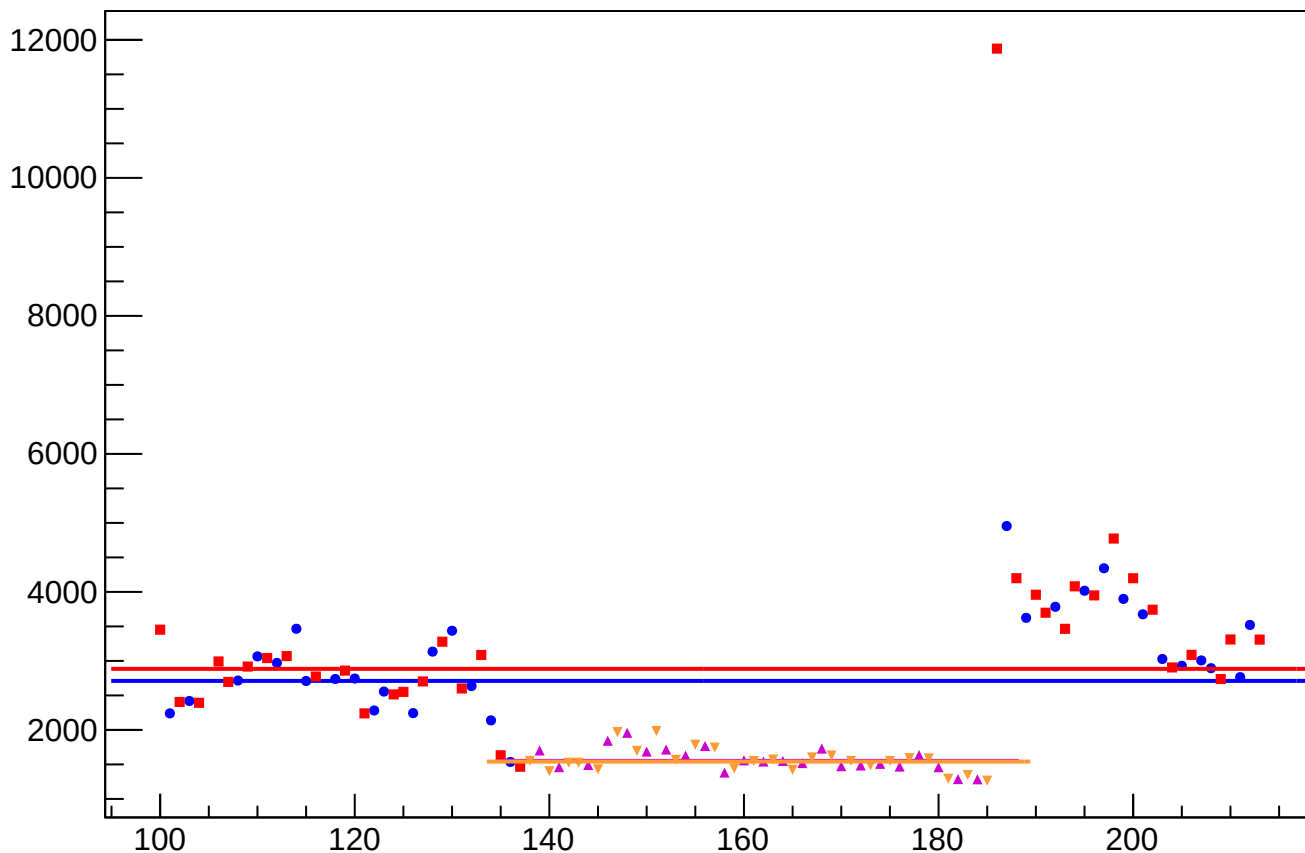
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 835.555 $\pm$ 321.713 χ^2 /NDF: 69.4/54

All: 516.903 $\pm$ 230.935 χ^2 /NDF: 135.0/111

- sign 178.165 $\pm$ 331.697 χ^2 /NDF: 63.6/56

asym_sam_26_dd_rms vs Slug



Right In: 2710.402+/-0.501 χ^2/NDF : 2268217.4/29

Left Out: 1541.258+/-0.255 χ^2/NDF : 382045.4/24

Right Out: 2884.873+/-0.511 χ^2/NDF : 2615213.9/33

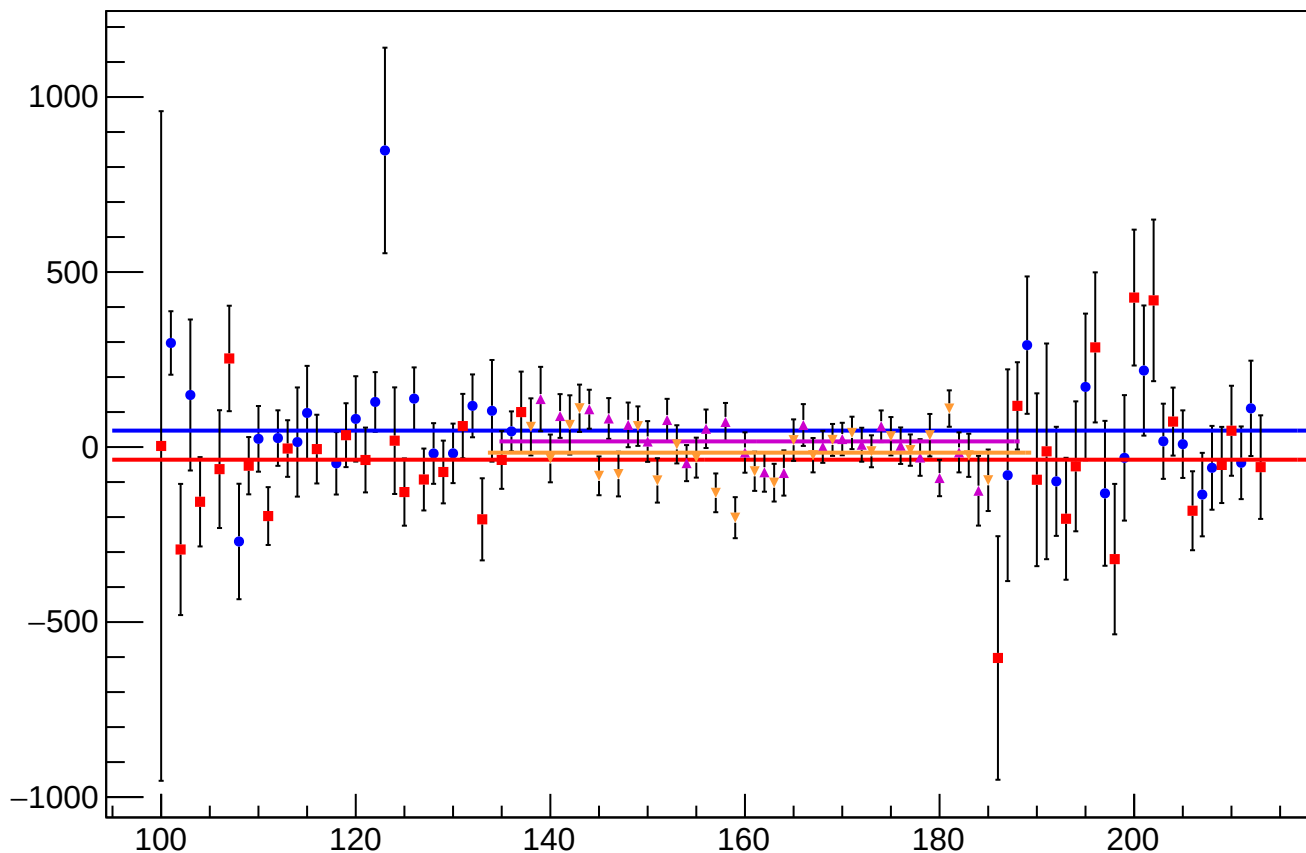
Left In: 1551.063+/-0.264 χ^2/NDF : 338898.9/22

+ sign 1782.769+/-0.227 χ^2/NDF : 6979434.4/54

All: 1806.425+/-0.163 χ^2/NDF : 15326715.2/100

- sign 1831.572+/-0.235 χ^2/NDF : 8324972.3/56

reg_asym_sam_37_dd_mean vs Slug



Right In: 46.982 ± 20.280 χ^2/NDF : 33.5/29

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -36.123 ± 20.408 χ^2/NDF : 39.5/33

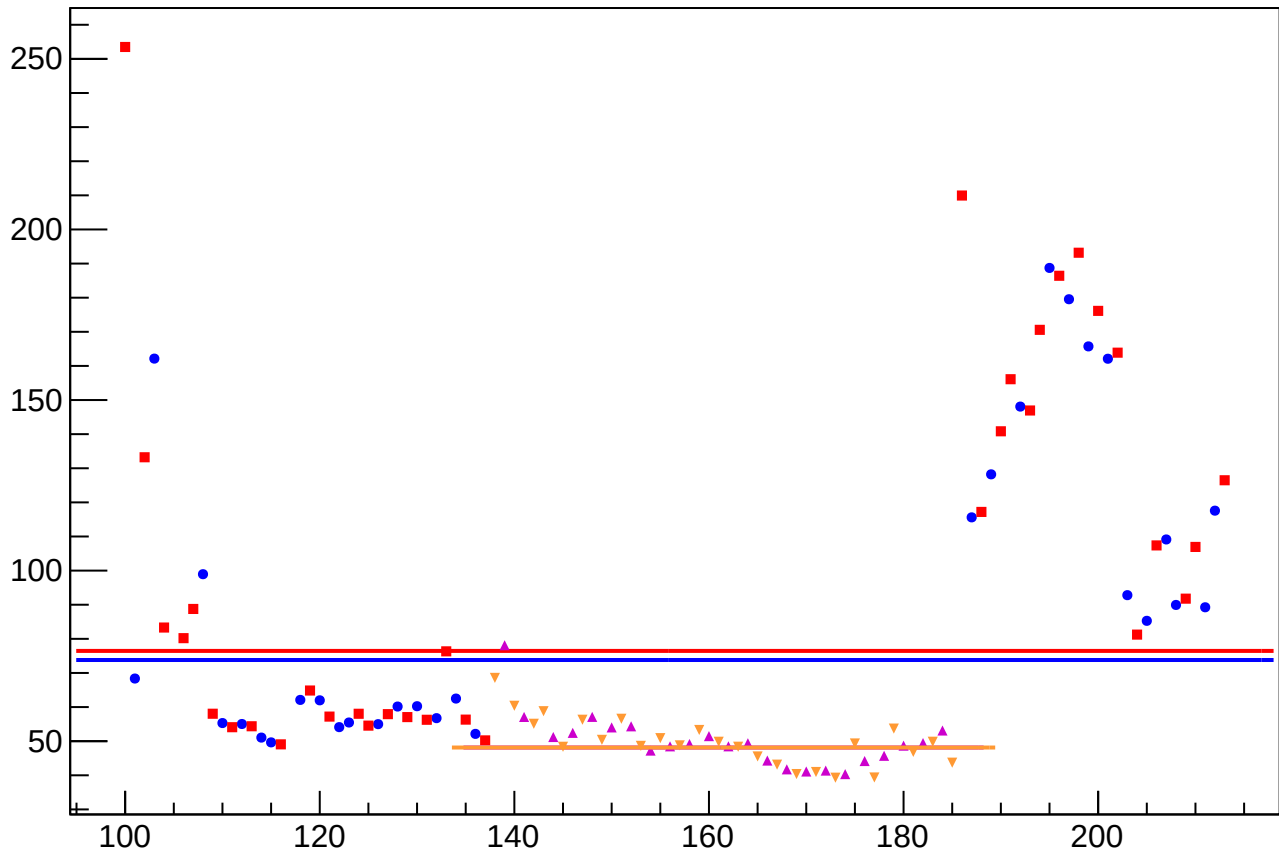
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -1.036 ± 9.898 χ^2/NDF : 80.5/54

All: 1.090 ± 7.075 χ^2/NDF : 150.3/111

- sign 3.312 ± 10.117 χ^2/NDF : 69.7/56

reg_asym_sam_37_dd_rms vs Slug



Right In: 73.796 $\pm$ 0.014 χ^2 /NDF: 4716354.7/29

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 76.463 $\pm$ 0.014 χ^2 /NDF: 5662339.2/33

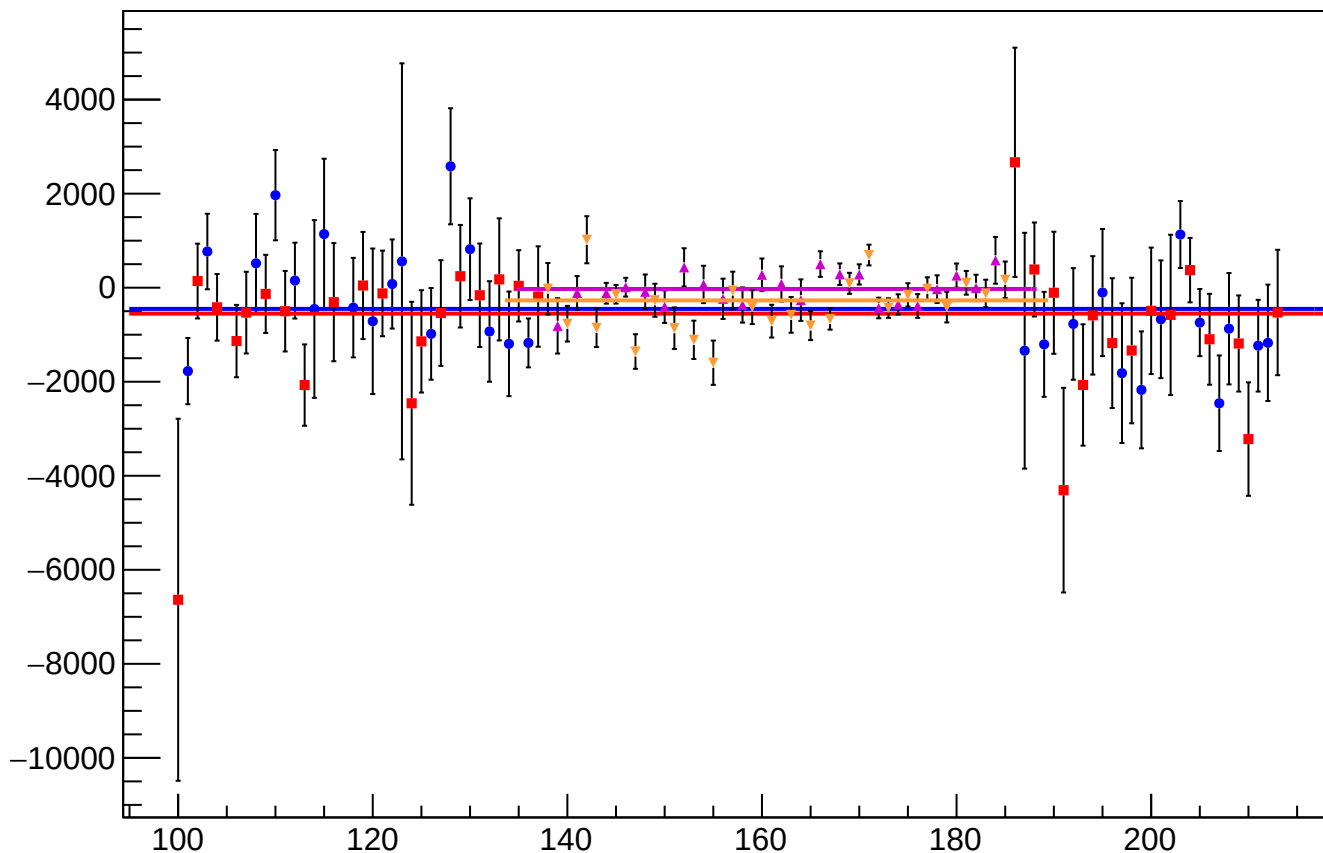
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 54.252 $\pm$ 0.007 χ^2 /NDF: 7809942.7/54

All: 54.667 $\pm$ 0.005 χ^2 /NDF: 16960118.0/111

- sign 55.100 $\pm$ 0.007 χ^2 /NDF: 9142984.2/56

asym_sam_37_dd_correction_mean vs Slug



Right In: -451.009 ± 184.235 χ^2/NDF : 38.9/29

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -551.846 ± 180.781 χ^2/NDF : 25.5/33

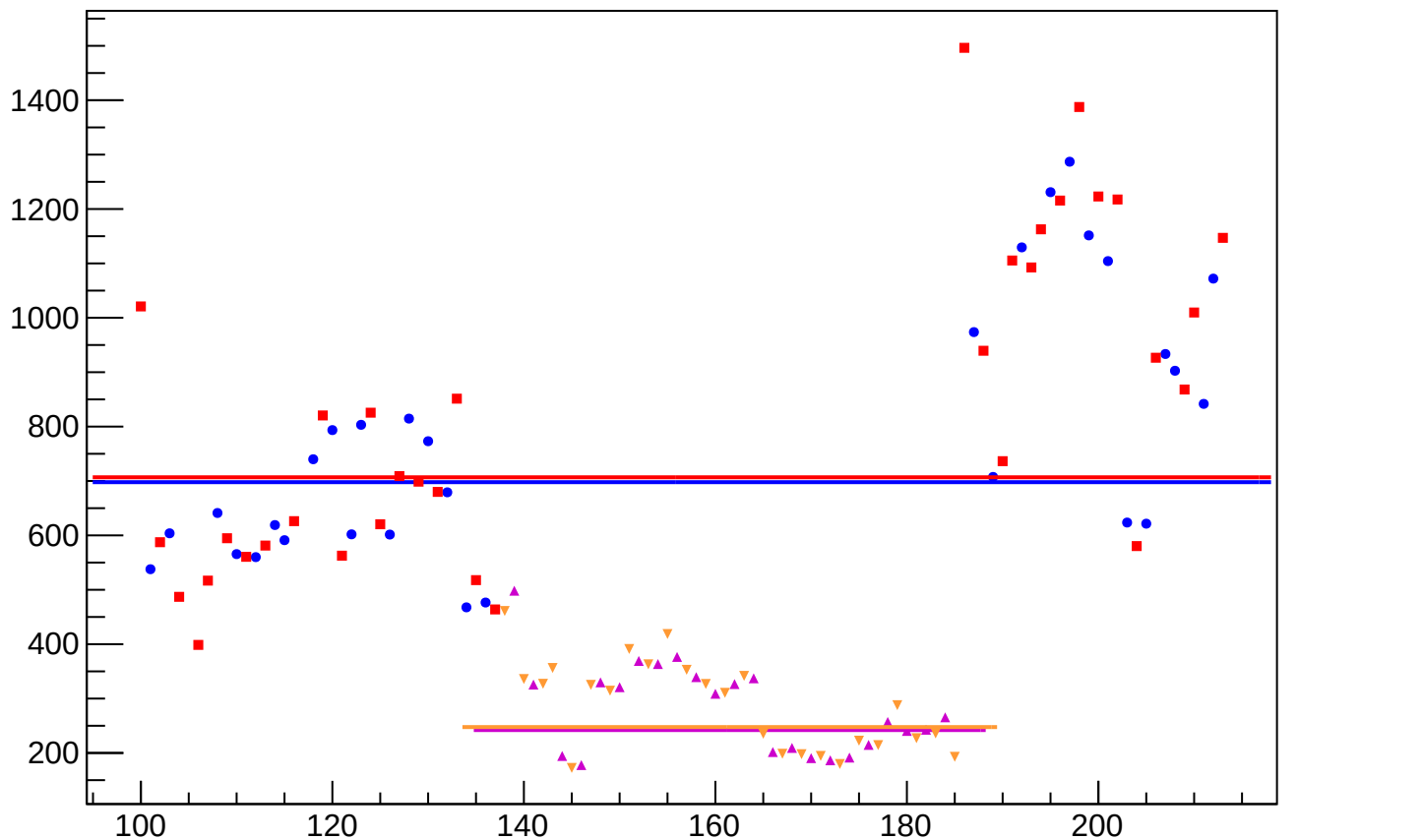
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -287.643 ± 57.203 χ^2/NDF : 109.9/54

All: -184.018 ± 40.488 χ^2/NDF : 174.6/111

- sign -79.995 ± 57.313 χ^2/NDF : 58.1/56

asym_sam_37_dd_correction_rms vs Slug



Right In: 697.832 ± 0.130 χ^2/NDF : 2602876.2/29

Left Out: 247.570 ± 0.043 χ^2/NDF : 2780931.0/24

Right Out: 706.784 ± 0.128 χ^2/NDF : 3680657.8/33

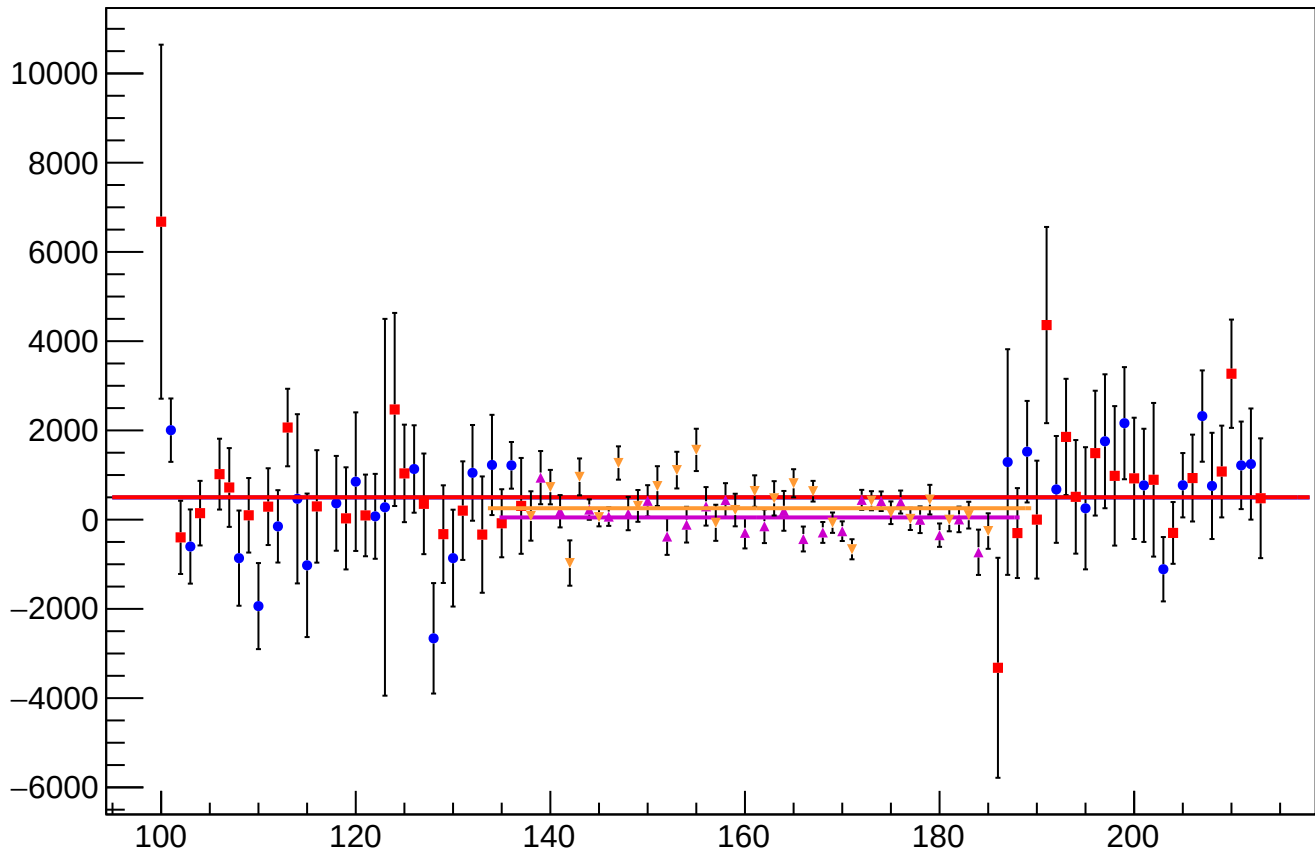
Left In: 242.117 ± 0.043 χ^2/NDF : 2466108.9/22

+ sign 290.978 ± 0.040 χ^2/NDF : 16178029.9/54

All: 289.901 ± 0.029 χ^2/NDF : 34211380.8/11

- sign 288.819 ± 0.041 χ^2/NDF : 18031930.0/56

asym_sam_37_dd_mean vs Slug



Right In: 496.563 $\pm$ 185.904 χ^2 /NDF: 39.8/29

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF: 63.6/24

Right Out: 502.472 $\pm$ 182.736 χ^2 /NDF: 26.2/33

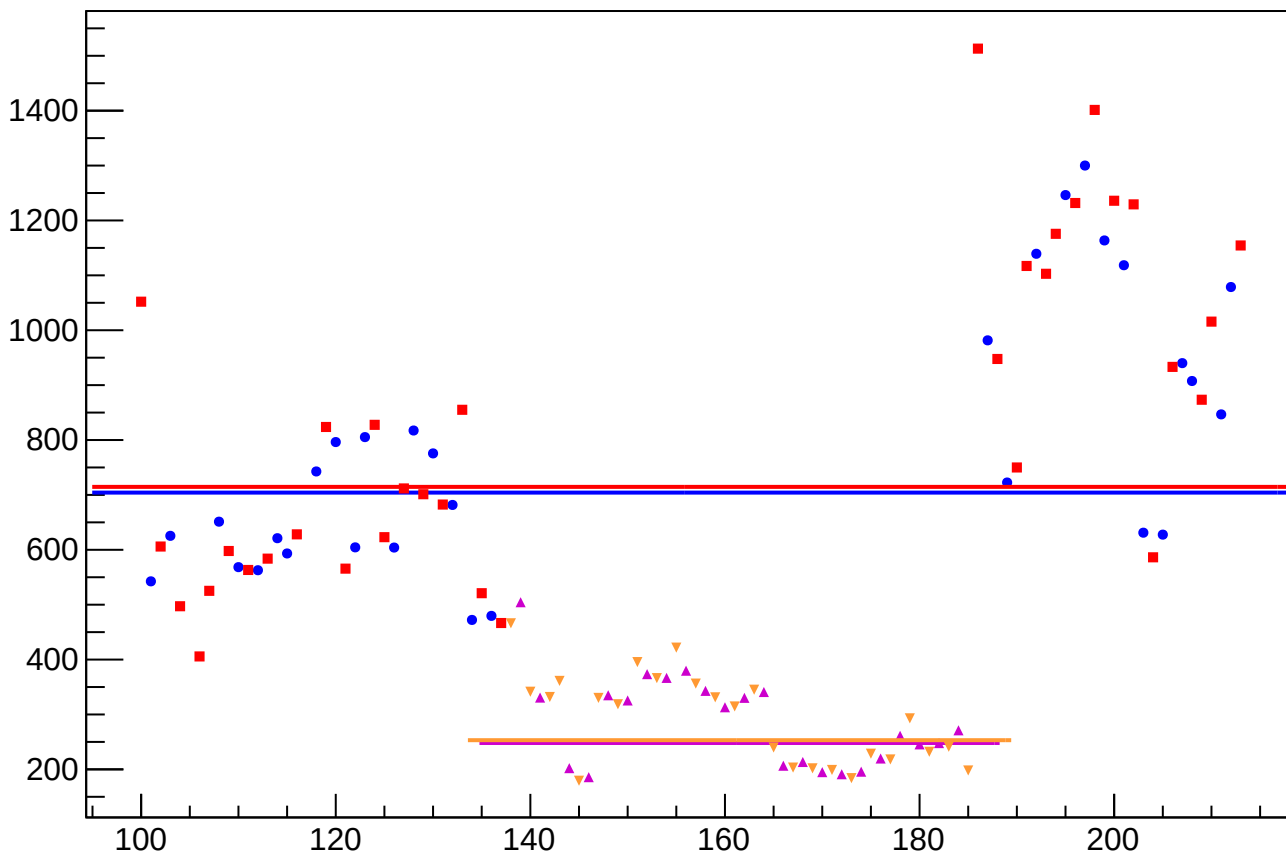
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF: 27.5/22

+ sign 279.669 $\pm$ 58.318 χ^2 /NDF: 104.9/54

All: 188.293 $\pm$ 41.311 χ^2 /NDF: 169.1/111

- sign 96.263 $\pm$ 58.527 χ^2 /NDF: 59.2/56

asym_sam_37_dd_rms vs Slug



Right In: 704.208 $\pm$ 0.131 χ^2 /NDF: 2602974.7/29

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 714.643 $\pm$ 0.129 χ^2 /NDF: 3644834.3/33

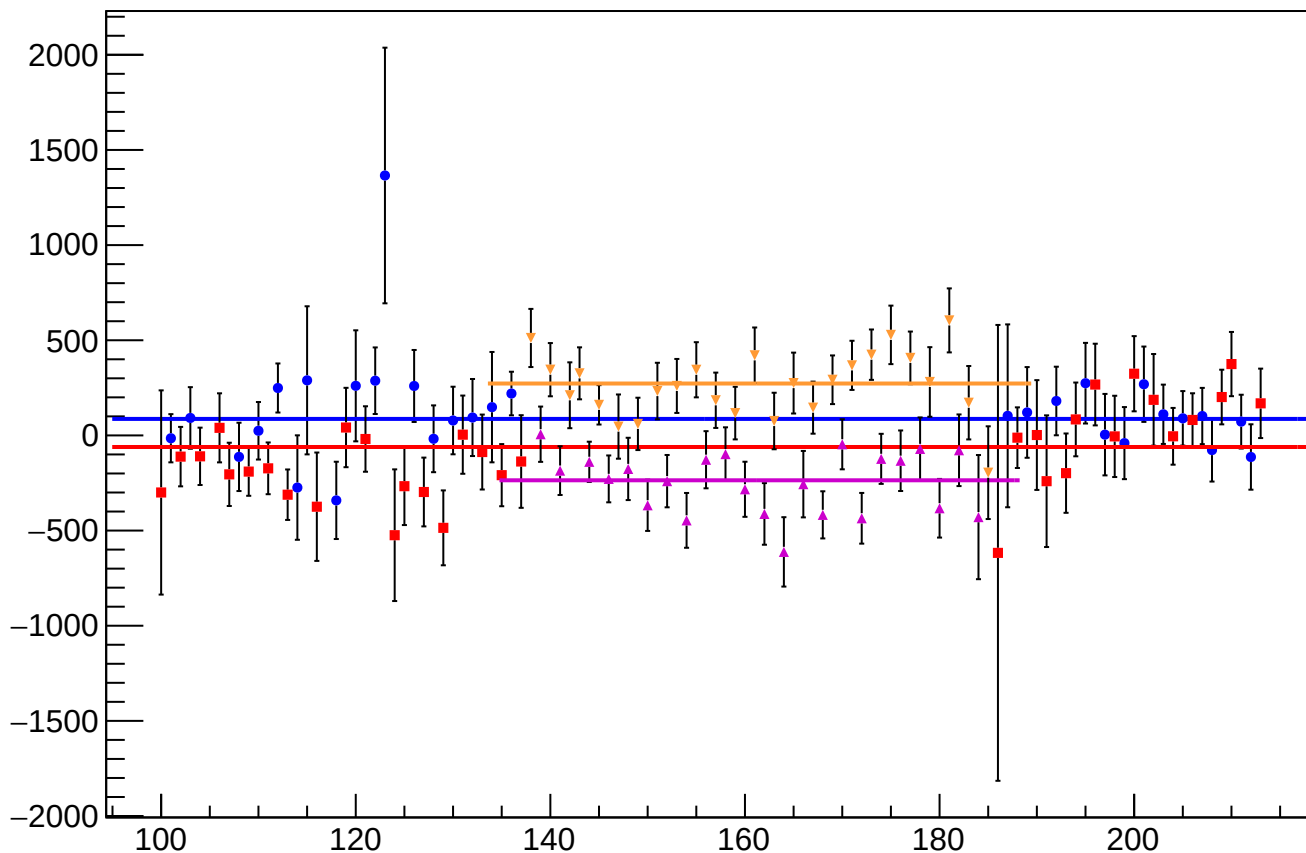
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 297.526 $\pm$ 0.041 χ^2 /NDF: 15884726.5/54

All: 296.730 $\pm$ 0.029 χ^2 /NDF: 33574484.5/1

- sign 295.929 $\pm$ 0.041 χ^2 /NDF: 17689011.4/56

reg_asym_sam_48_dd_mean vs Slug



Right In: 86.713 ± 32.660 χ^2/NDF : 22.9/29

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -60.847 ± 31.690 χ^2/NDF : 40.1/33

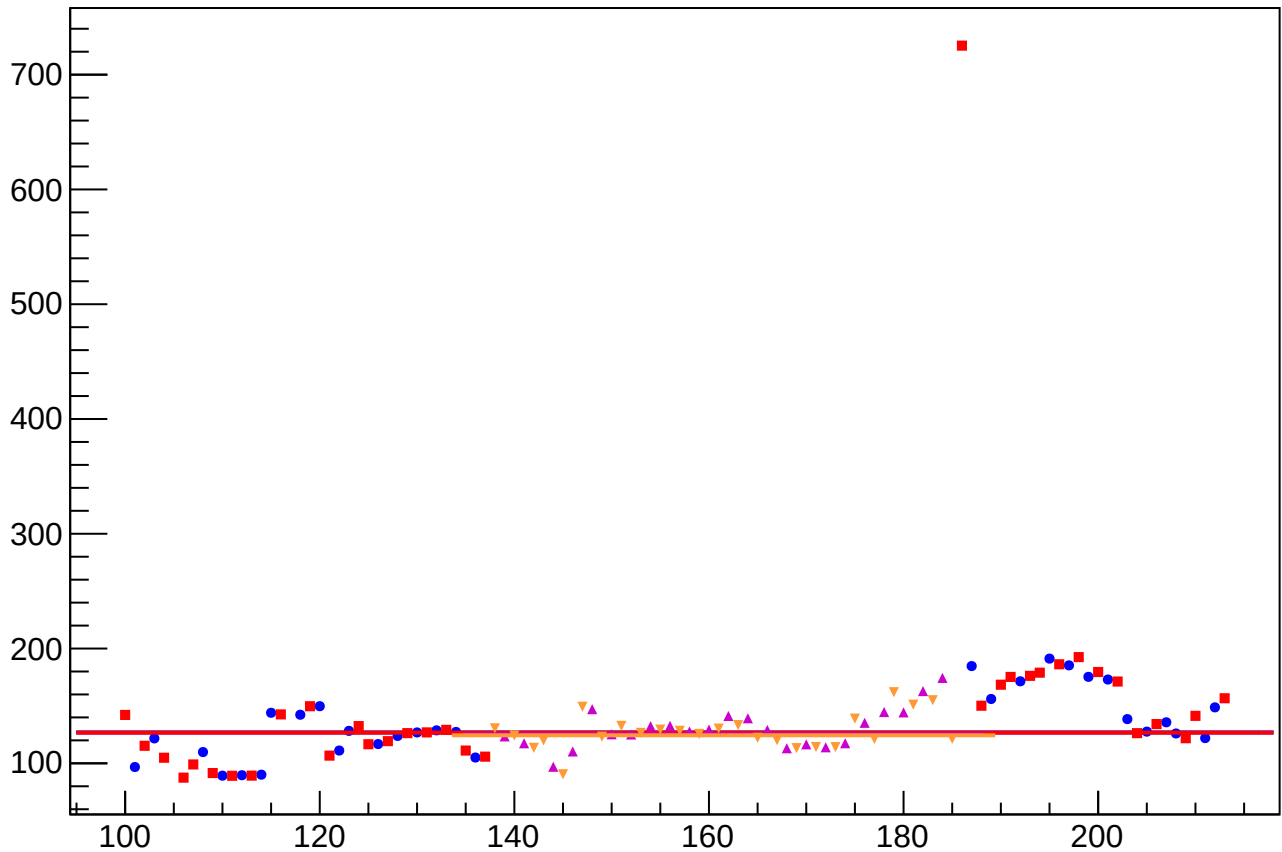
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 190.002 ± 21.777 χ^2/NDF : 68.3/54

All: 19.542 ± 15.433 χ^2/NDF : 272.1/111

- sign -152.442 ± 21.874 χ^2/NDF : 80.7/56

reg_asym_sam_48_dd_rms vs Slug



Right In: 126.912 $\pm$ 0.023 χ^2 /NDF: 1390992.6/29

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 126.736 $\pm$ 0.022 χ^2 /NDF: 2284102.9/33

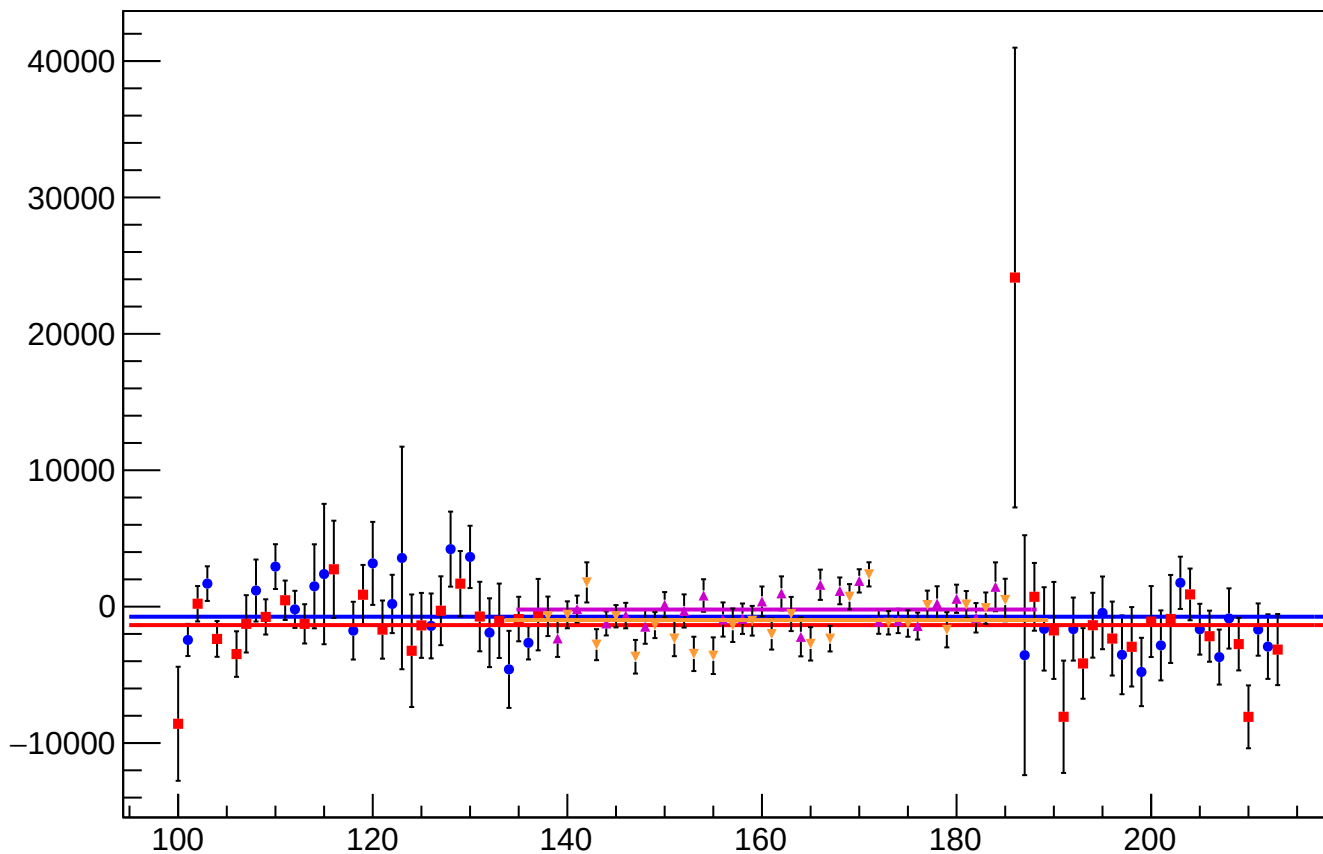
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 125.533 $\pm$ 0.015 χ^2 /NDF: 1937147.8/54

All: 125.733 $\pm$ 0.011 χ^2 /NDF: 4725420.5/111

- sign 125.934 $\pm$ 0.015 χ^2 /NDF: 2787934.3/56

asym_sam_48_dd_correction_mean vs Slug



Right In: -739.332 ± 379.289 χ^2/NDF : 36.2/29

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1352.834 ± 363.683 χ^2/NDF : 31.5/33

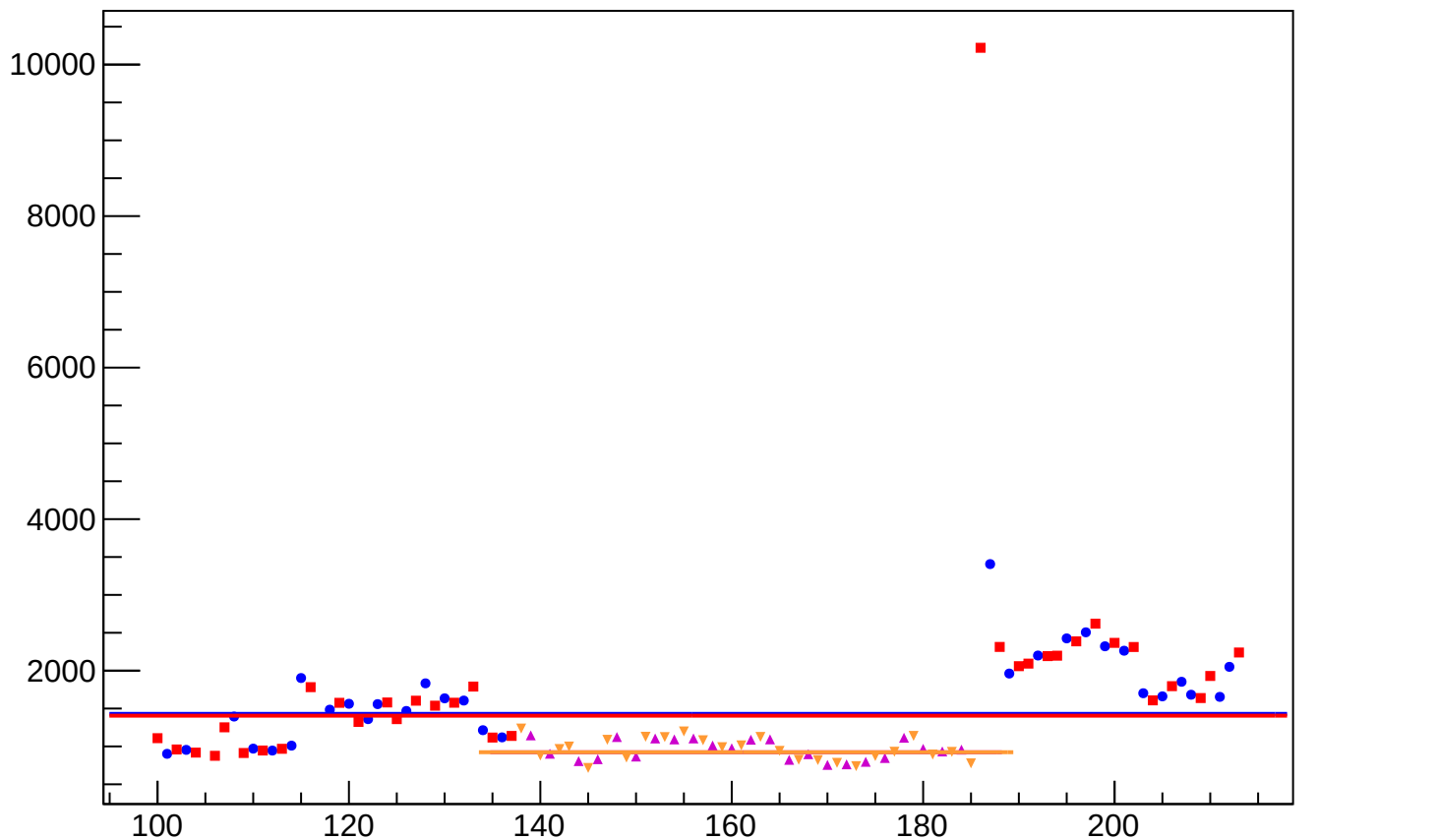
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -922.363 ± 189.019 χ^2/NDF : 83.7/54

All: -724.472 ± 134.104 χ^2/NDF : 150.2/111

- sign -523.908 ± 190.291 χ^2/NDF : 64.3/56

asym_sam_48_dd_correction_rms vs Slug



Right In: 1429.437+/-0.268 χ^2/NDF : 3119112.1/29

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1405.940+/-0.257 χ^2/NDF : 4436961.8/33

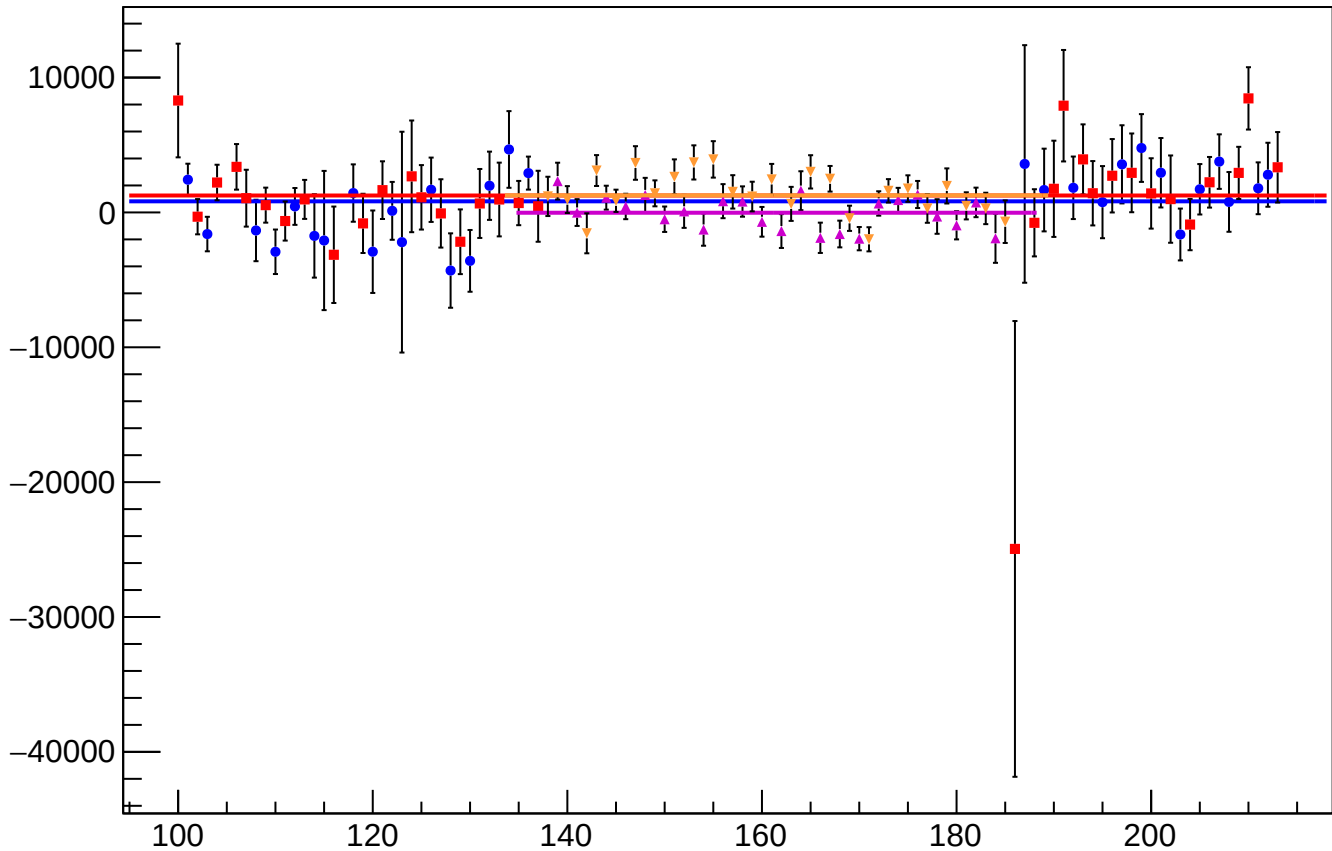
Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

+ sign 1049.216+/-0.134 χ^2/NDF : 6635783.7/54

All: 1051.923+/-0.095 χ^2/NDF : 14277498.8/100

- sign 1054.668+/-0.135 χ^2/NDF : 7640888.8/56

asym_sam_48_dd_mean vs Slug



Right In: 823.033 ± 380.907 $\chi^2/\text{NDF}: 36.0/29$

Left Out: 1267.344 ± 220.133 $\chi^2/\text{NDF}: 44.9/24$

Right Out: 1254.671 ± 365.396 $\chi^2/\text{NDF}: 33.6/33$

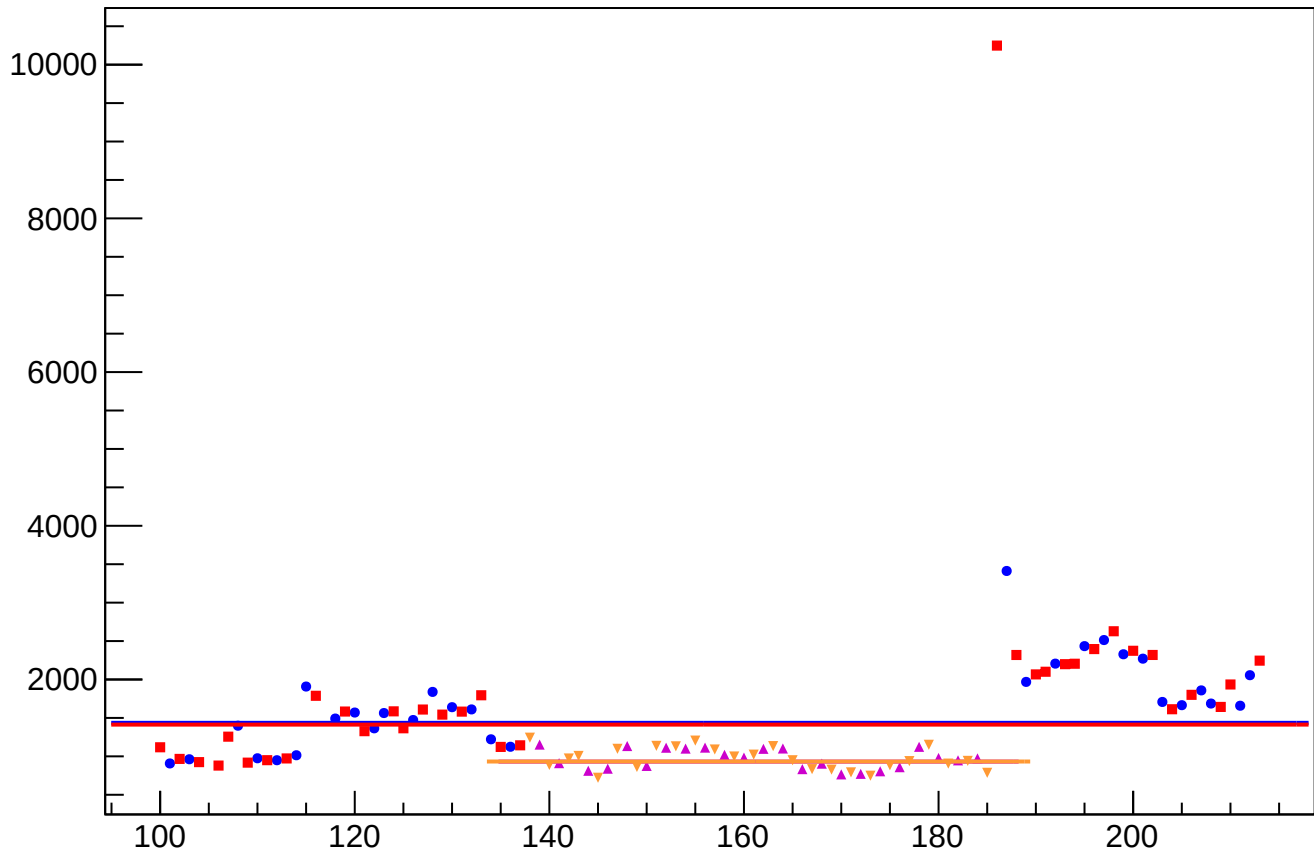
Left In: -23.478 ± 225.490 $\chi^2/\text{NDF}: 27.2/22$

+ sign 1156.102 ± 190.594 $\chi^2/\text{NDF}: 81.9/54$

All: 745.375 ± 135.227 $\chi^2/\text{NDF}: 160.9/111$

- sign 329.031 ± 191.893 $\chi^2/\text{NDF}: 69.6/56$

asym_sam_48_dd_rms vs Slug



Right In: 1436.082+/-0.269 χ^2/NDF : 3098806.0/29

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1413.007+/-0.258 χ^2/NDF : 4410731.8/33

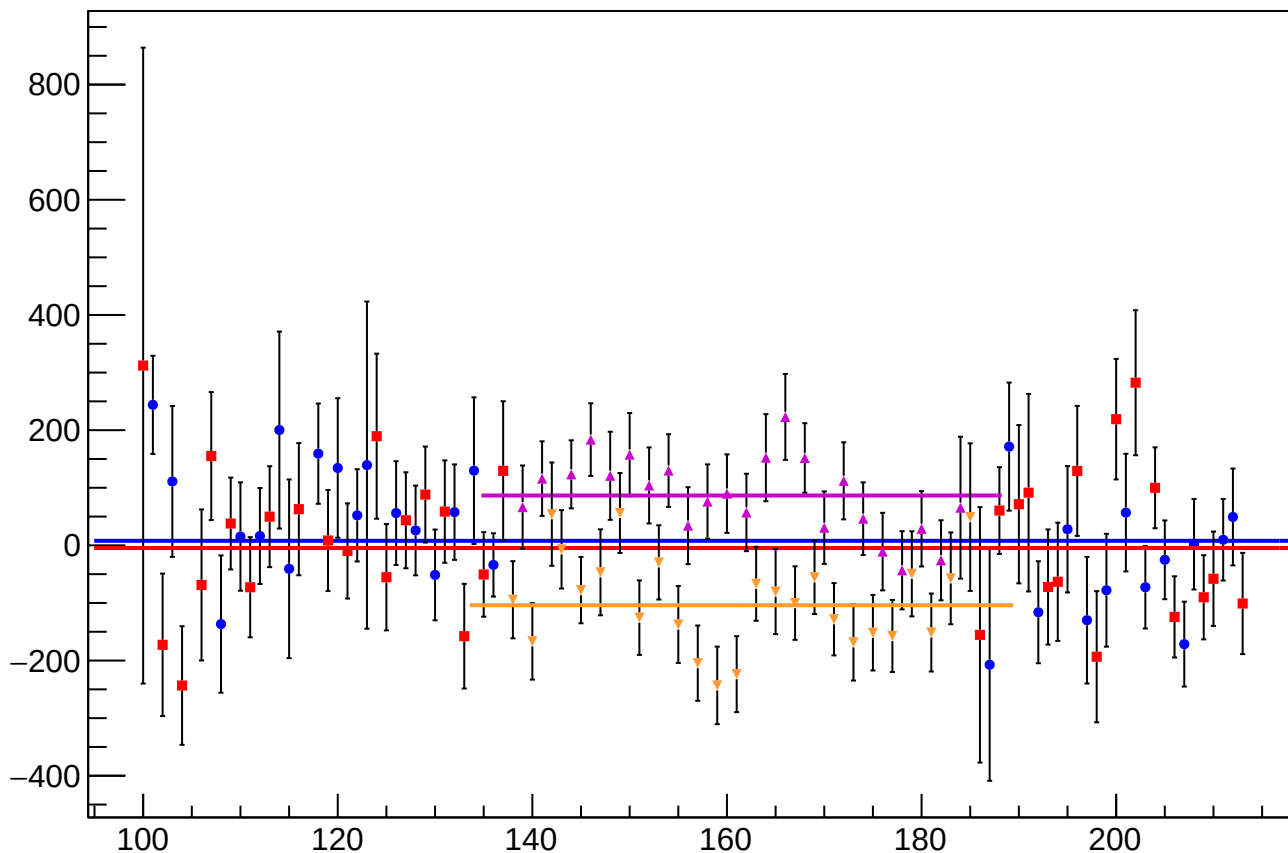
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1058.779+/-0.135 χ^2/NDF : 6546329.1/54

All: 1061.517+/-0.096 χ^2/NDF : 14097585.6/100

- sign 1064.293+/-0.136 χ^2/NDF : 7550425.2/56

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 7.901 ± 16.552 χ^2/NDF : 34.1/29

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -4.594 ± 16.464 χ^2/NDF : 44.8/33

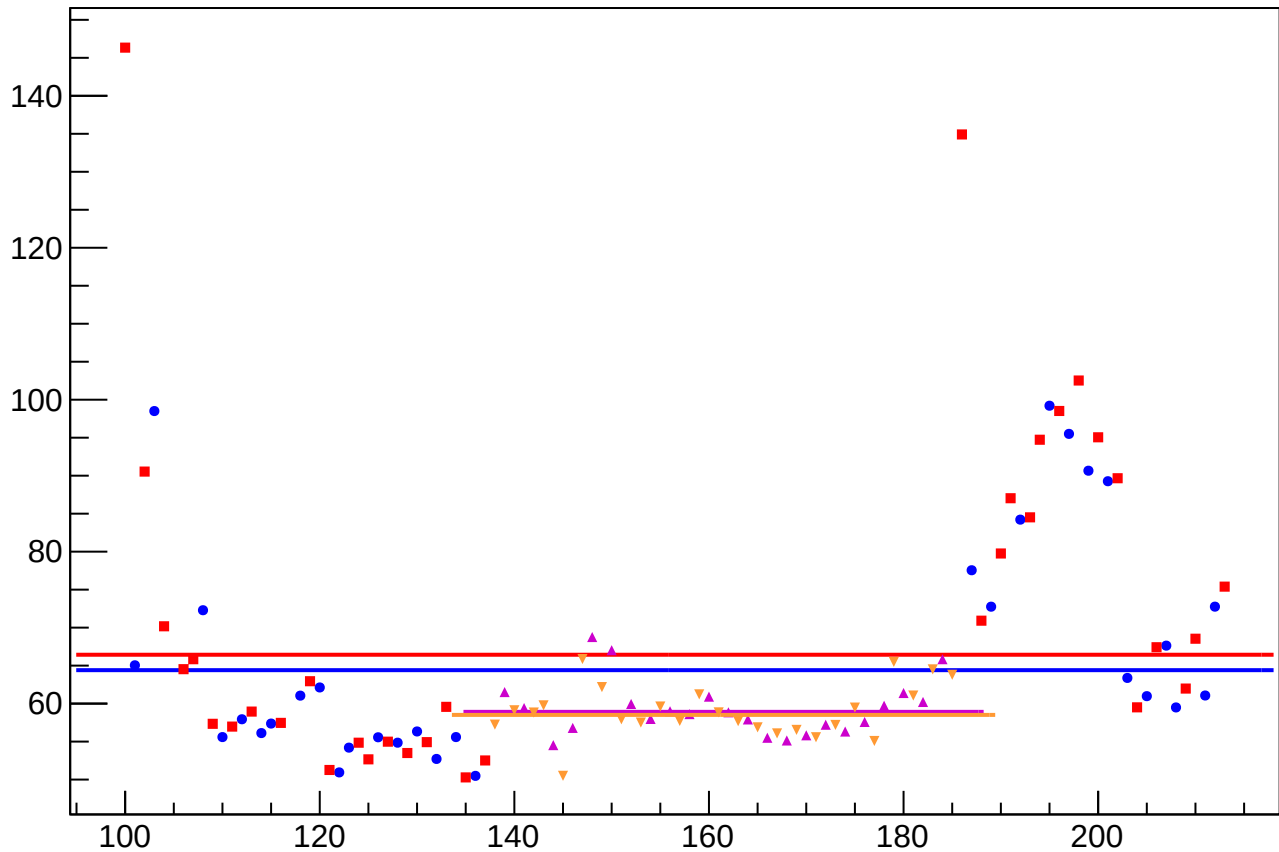
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -58.674 ± 10.527 χ^2/NDF : 91.2/54

All: -6.335 ± 7.511 χ^2/NDF : 225.4/111

- sign 47.919 ± 10.718 χ^2/NDF : 83.8/56

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.401 $\pm$ 0.012 χ^2 /NDF: 1278169.5/29

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 66.431 $\pm$ 0.012 χ^2 /NDF: 1672347.0/33

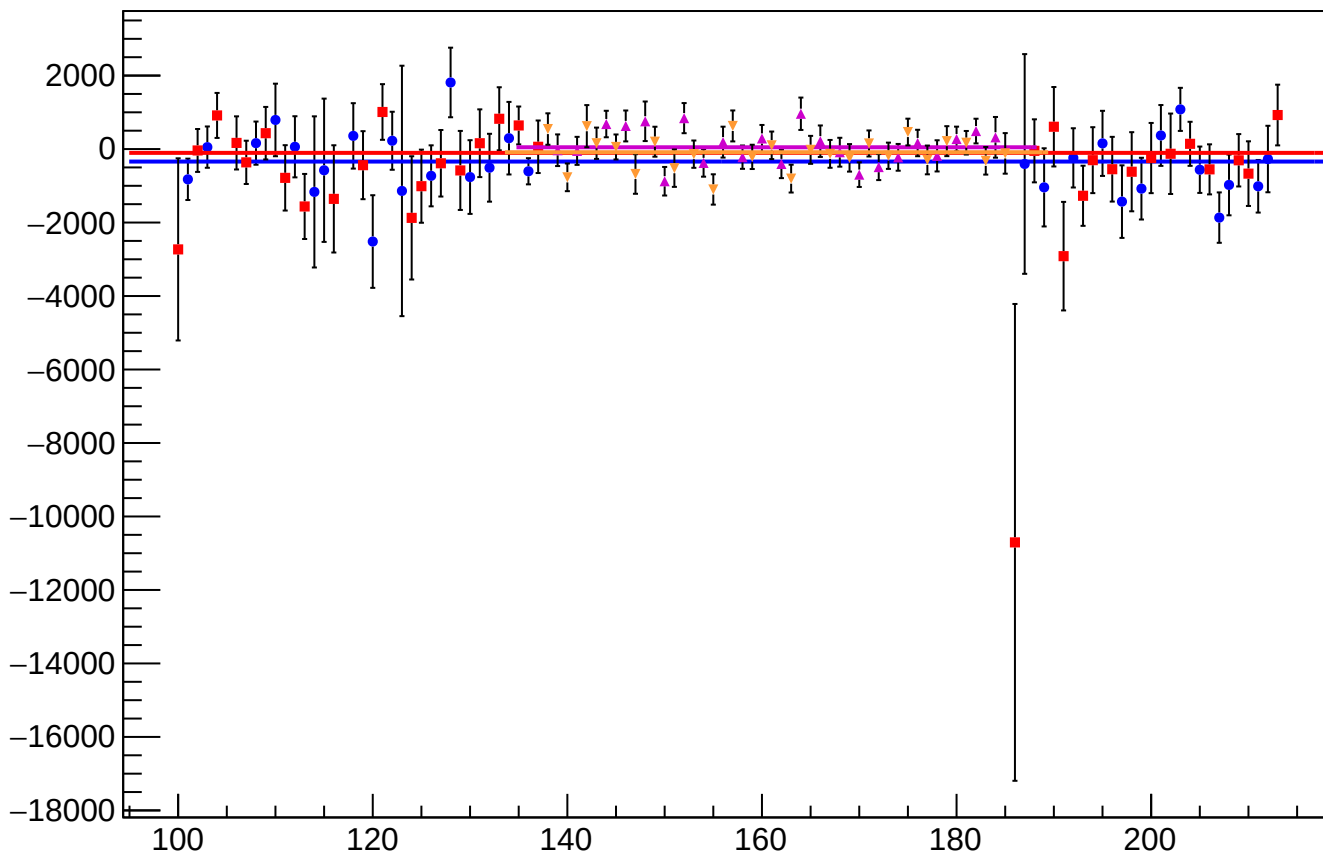
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 60.895 $\pm$ 0.007 χ^2 /NDF: 1552086.8/54

All: 61.486 $\pm$ 0.005 χ^2 /NDF: 3587521.2/111

- sign 62.099 $\pm$ 0.008 χ^2 /NDF: 2022574.6/56

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -340.255 ± 142.427 χ^2/NDF : 30.3/29

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -103.611 ± 142.397 χ^2/NDF : 28.7/33

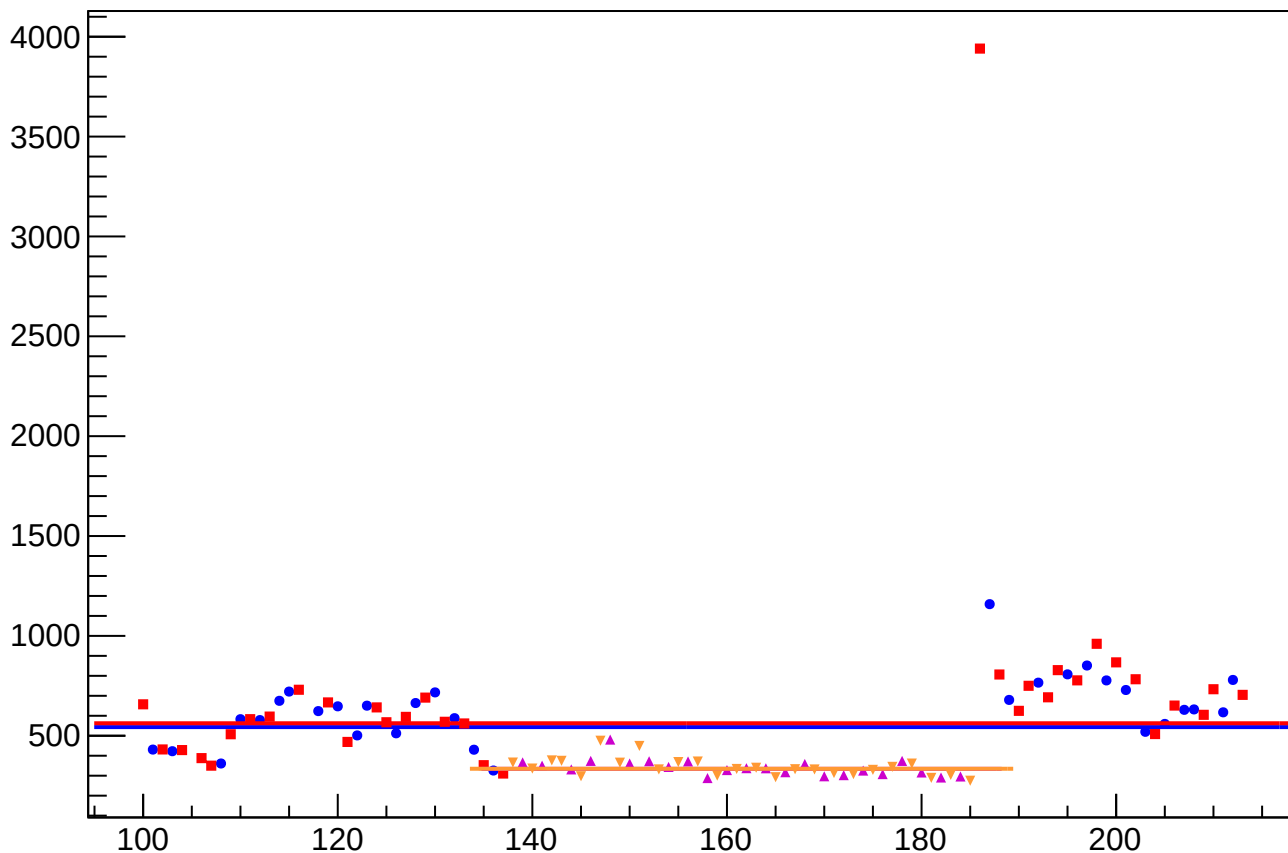
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -146.424 ± 68.787 χ^2/NDF : 60.5/54

All: -68.812 ± 49.100 χ^2/NDF : 128.0/111

- sign 11.811 ± 70.109 χ^2/NDF : 64.9/56

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 543.355+/-0.101 χ^2/NDF : 2419981.7/29

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 562.528+/-0.101 χ^2/NDF : 3127171.0/33

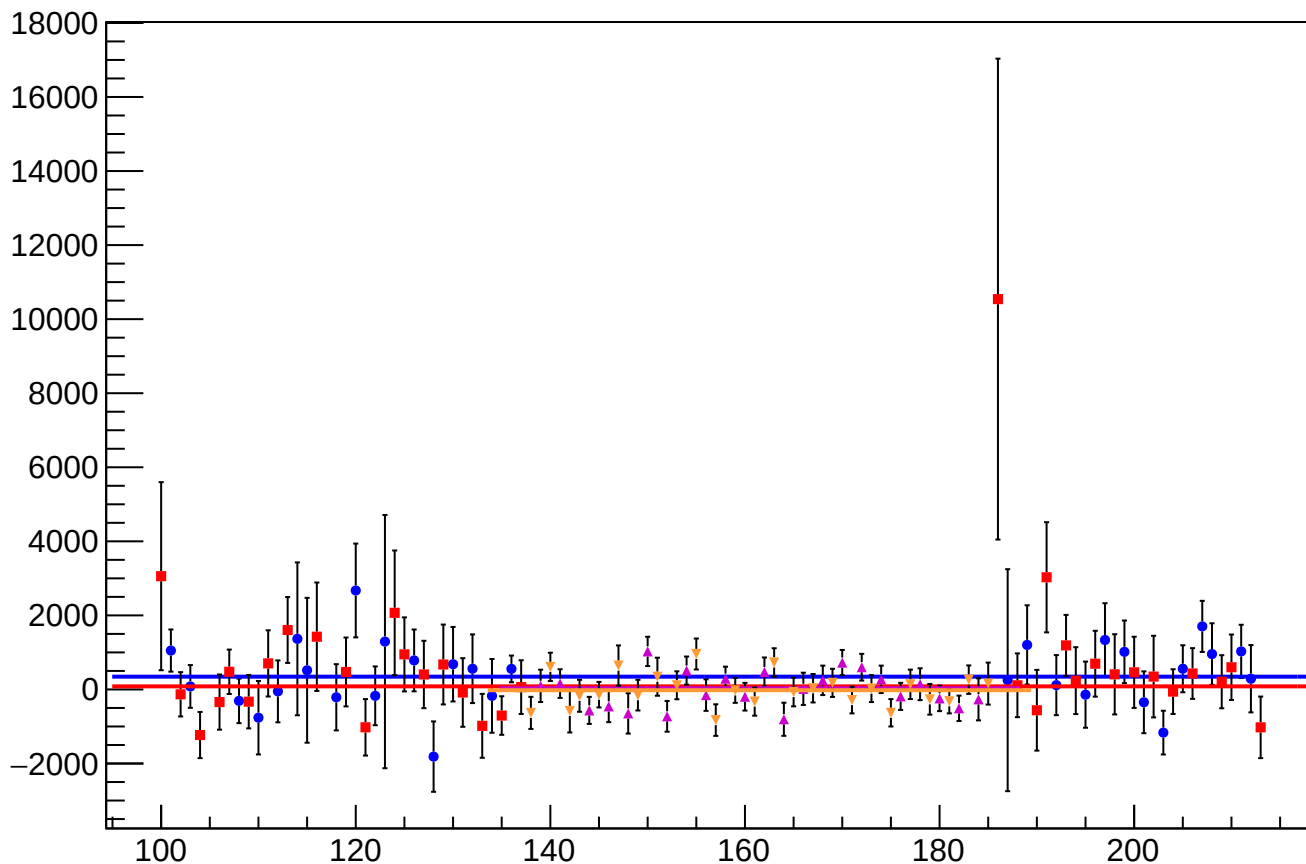
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 383.407+/-0.049 χ^2/NDF : 6201004.7/54

All: 386.399+/-0.035 χ^2/NDF : 13630581.0/13

- sign 389.507+/-0.050 χ^2/NDF : 7421860.9/56

asym_sam_13_57_dd_mean vs Slug



Right In: 345.333+/-143.796 χ^2/NDF : 30.4/29

Left Out: -20.895+/-79.812 χ^2/NDF :27.2/24

Right Out: 83.390+/-143.822 χ^2/NDF : 31.9/33

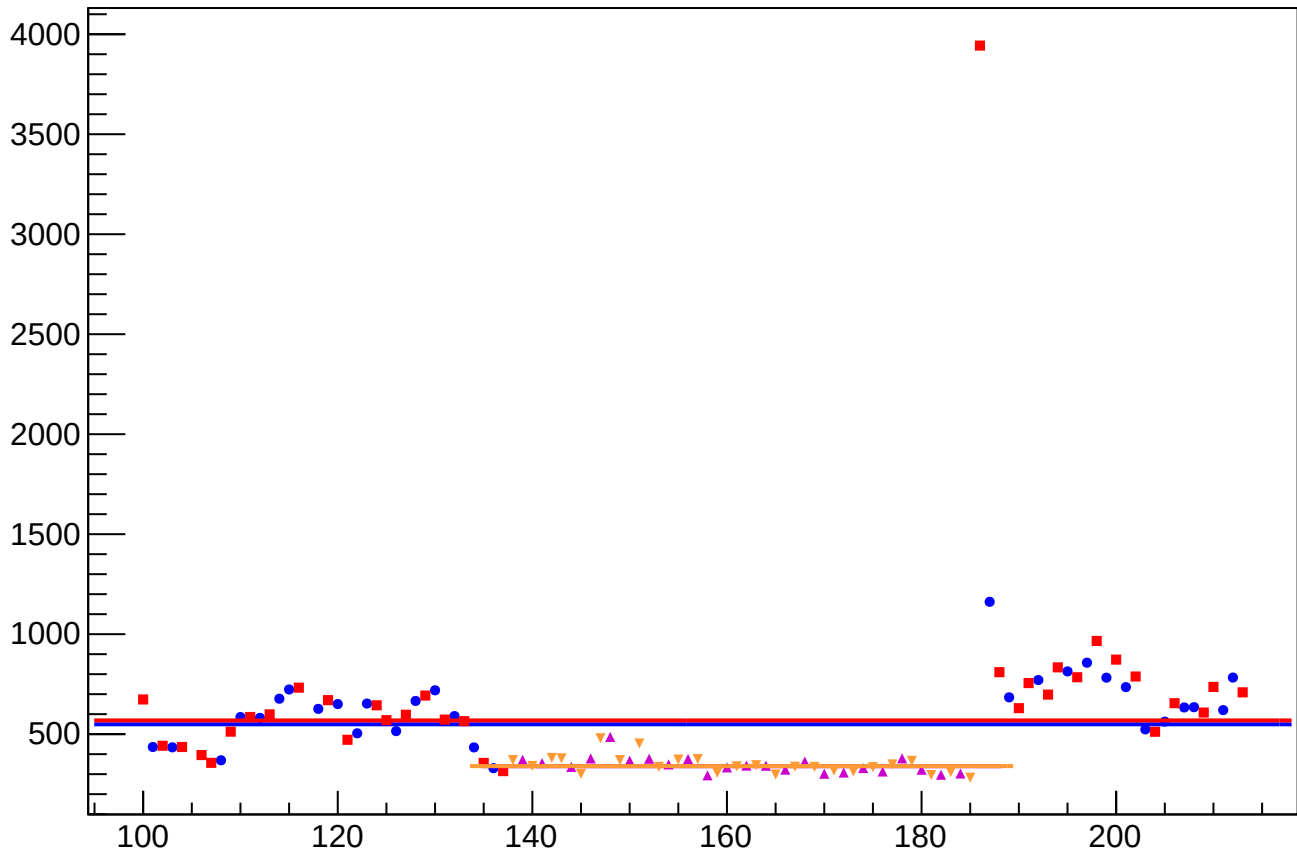
Left In: 31.800+/-81.839 χ^2/NDF :34.0/22

+ sign 65.355+/-69.784 χ^2/NDF : 62.6/54

All: 55.087+/-49.814 χ^2/NDF : 128.7/111

- sign 44.419+/-71.130 χ^2/NDF : 66.0/56

asym_sam_13_57_dd_rms vs Slug



Right In: 549.237 $\pm$ 0.102 χ^2 /NDF: 2353720.8/29

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 568.741 $\pm$ 0.102 χ^2 /NDF: 3056016.5/33

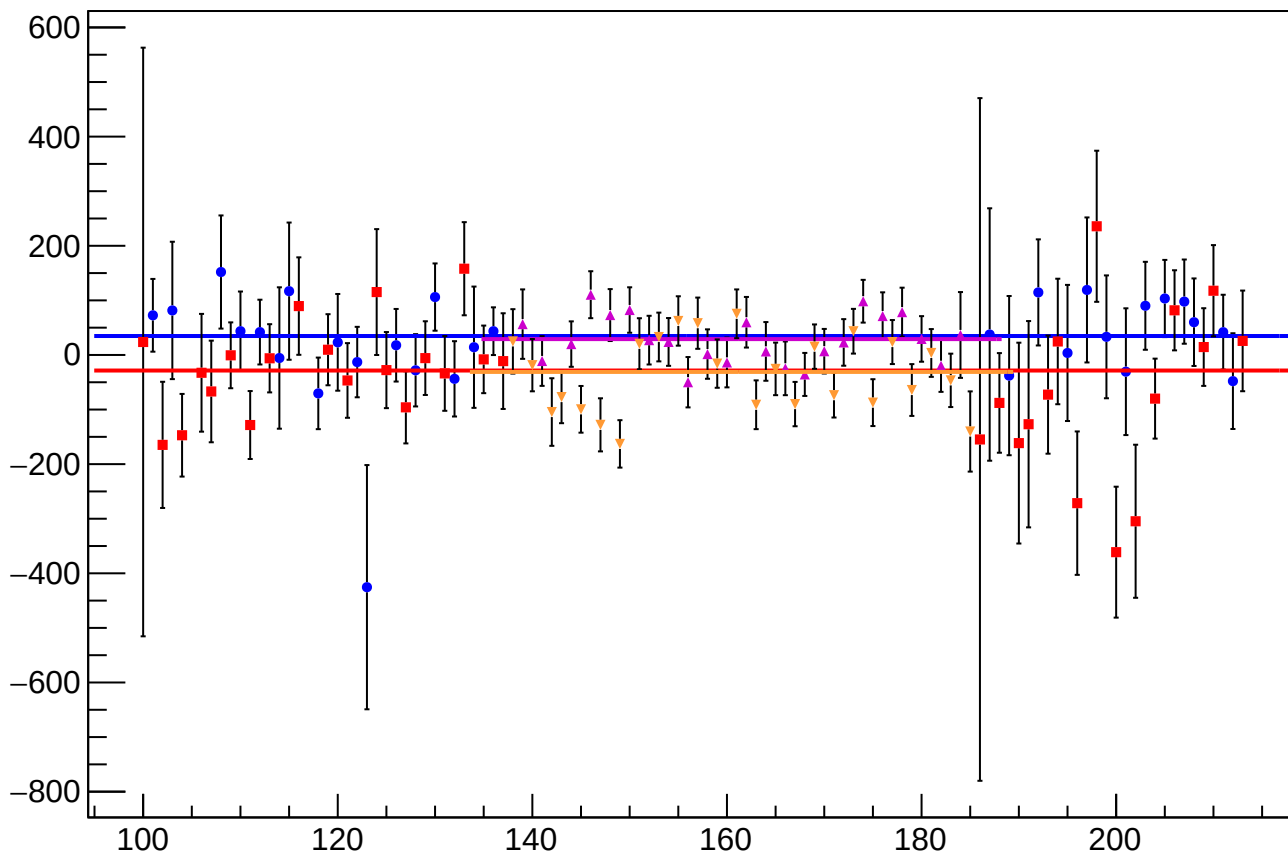
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 389.459 $\pm$ 0.049 χ^2 /NDF: 6052527.6/54

All: 392.502 $\pm$ 0.035 χ^2 /NDF: 13330403.2/13

- sign 395.664 $\pm$ 0.050 χ^2 /NDF: 7270121.5/56

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 34.713+/-14.748 χ^2/NDF : 18.1/29

Left Out: -31.063+/-9.170 χ^2/NDF : 52.6/24

Right Out: -28.511+/-14.600 χ^2/NDF : 43.5/33

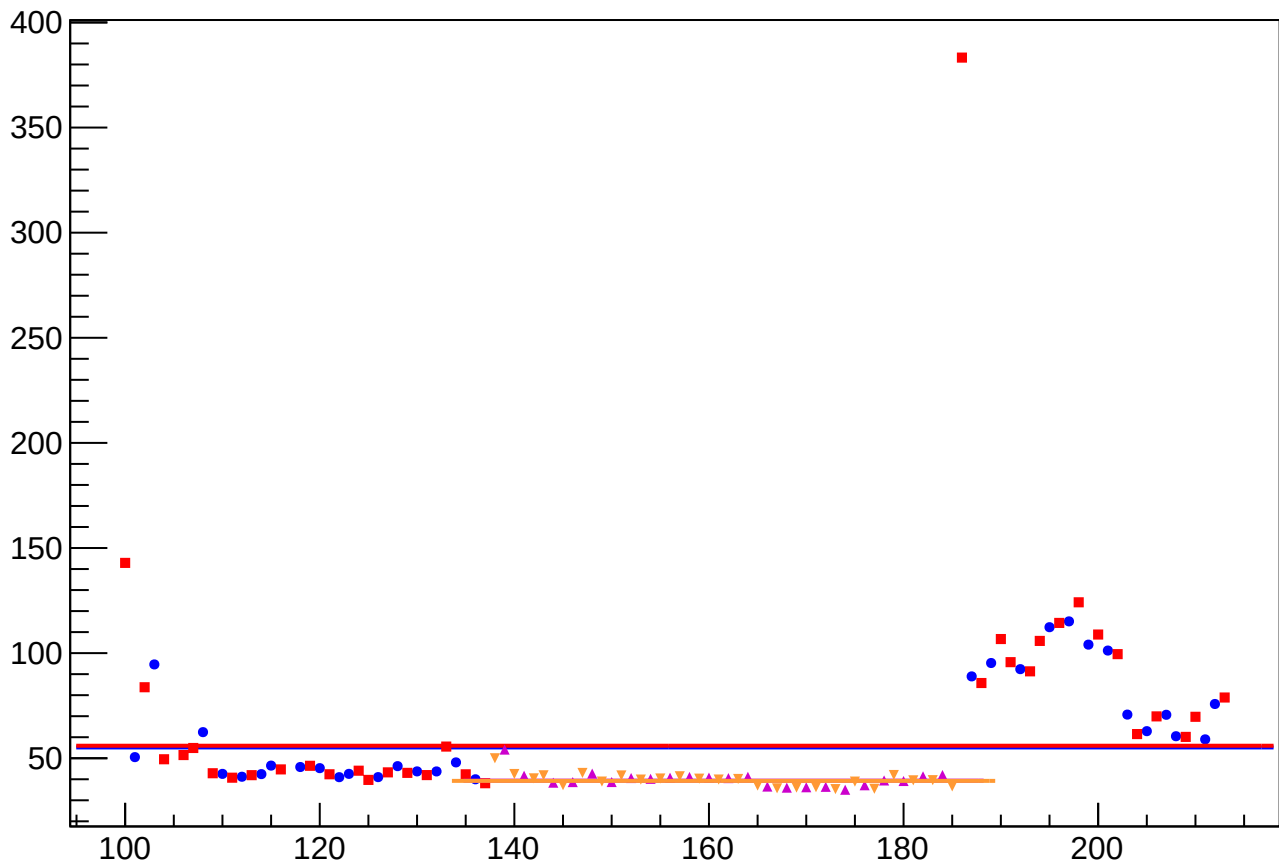
Left In: 29.055+/-9.449 χ^2/NDF : 22.4/22

+ sign -12.724+/-7.787 χ^2/NDF : 85.1/54

All: -0.562+/-5.557 χ^2/NDF : 167.0/111

- sign 12.060+/-7.933 χ^2/NDF : 77.0/56

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 55.142 $\pm$ 0.010 χ^2 /NDF: 3396721.1/29

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 55.952 $\pm$ 0.010 χ^2 /NDF: 4517704.3/33

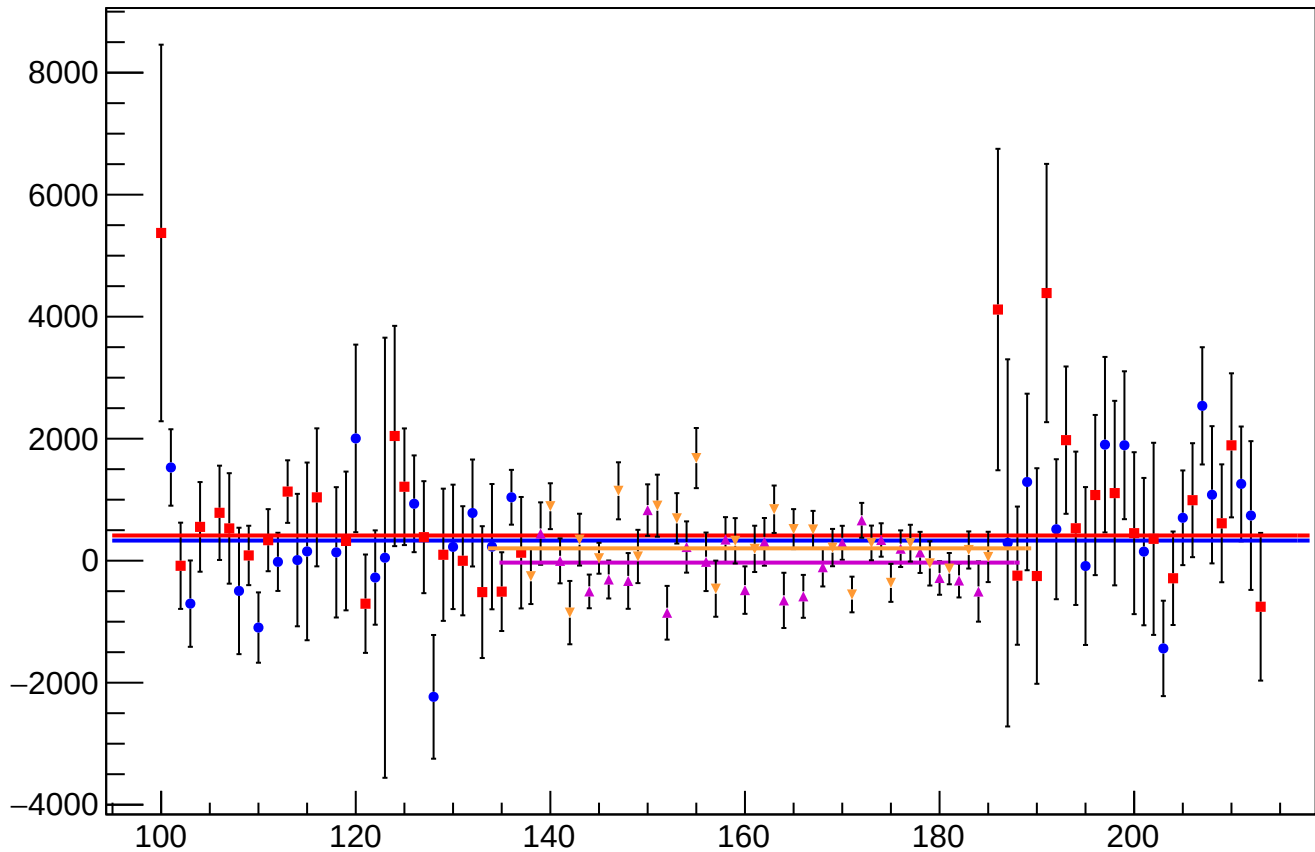
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 43.670 $\pm$ 0.006 χ^2 /NDF: 5276640.0/54

All: 43.951 $\pm$ 0.004 χ^2 /NDF: 11840529.4/111

- sign 44.243 $\pm$ 0.006 χ^2 /NDF: 6558569.1/56

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 329.967 ± 160.650 χ^2/NDF : 40.4/29

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 412.999 ± 156.051 χ^2/NDF : 24.6/33

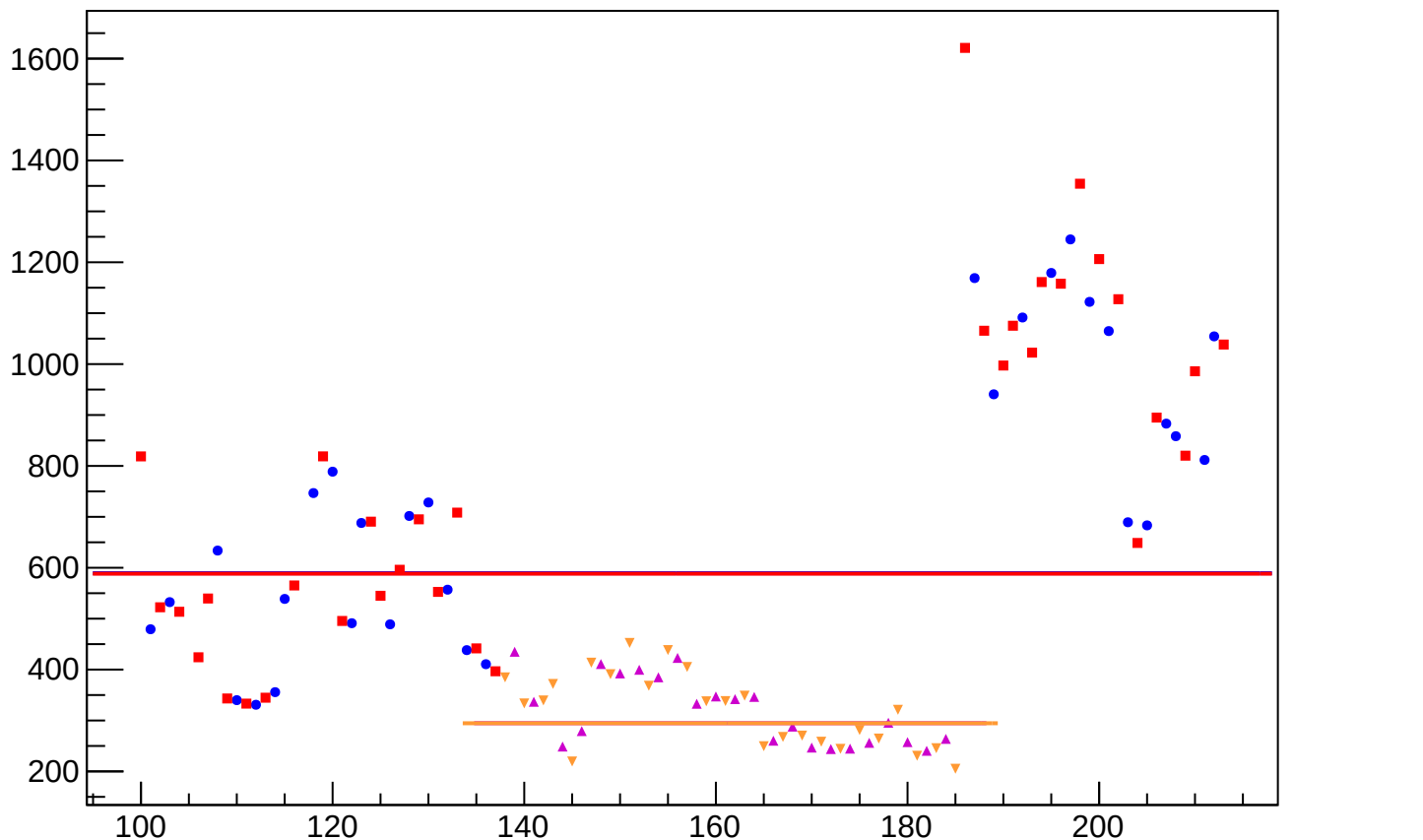
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 222.938 ± 64.500 χ^2/NDF : 85.7/54

All: 136.087 ± 45.941 χ^2/NDF : 154.1/111

- sign 46.655 ± 65.452 χ^2/NDF : 64.7/56

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 589.341 $\pm$ 0.114 χ^2 /NDF: 4571000.2/29

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 588.356 $\pm$ 0.110 χ^2 /NDF: 5917644.2/33

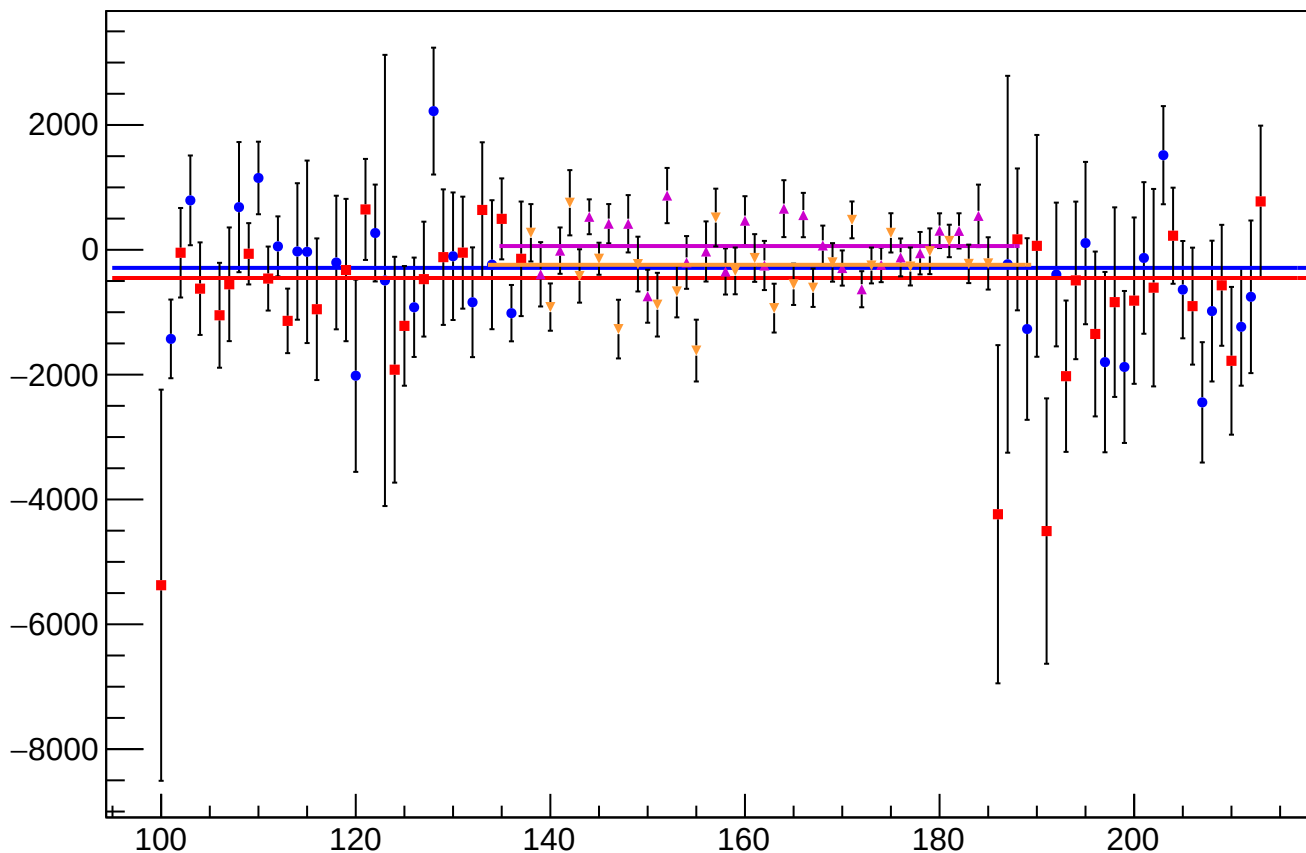
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 342.105 $\pm$ 0.046 χ^2 /NDF: 11898706.1/54

All: 344.210 $\pm$ 0.032 χ^2 /NDF: 24953516.7/1

- sign 346.377 $\pm$ 0.046 χ^2 /NDF: 13050487.7/56

asym_sam_15_37_dd_mean vs Slug



Right In: -289.646 ± 161.554 χ^2/NDF : 40.0/29

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -451.658 ± 157.448 χ^2/NDF : 24.2/33

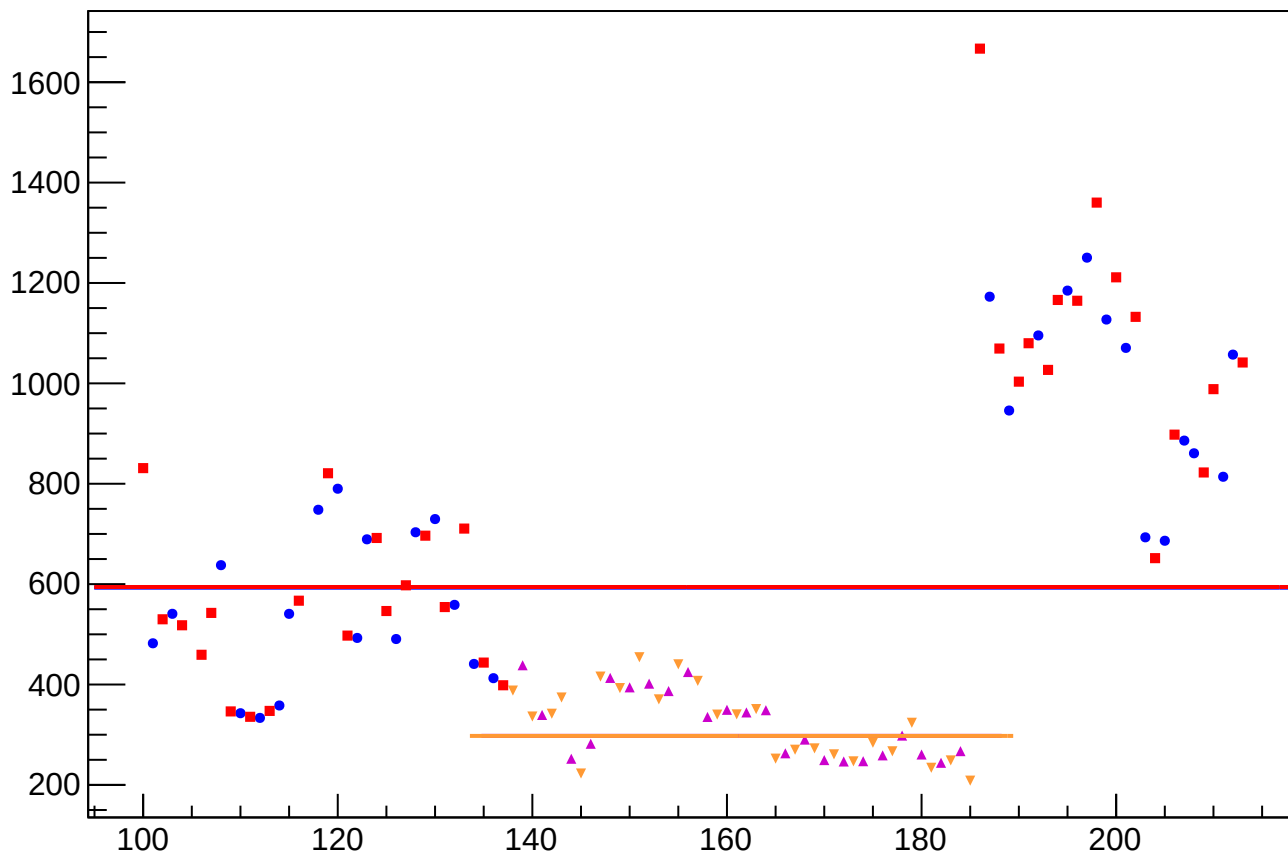
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -248.355 ± 65.077 χ^2/NDF : 83.0/54

All: -140.744 ± 46.363 χ^2/NDF : 152.4/111

- sign -29.825 ± 66.070 χ^2/NDF : 63.8/56

asym_sam_15_37_dd_rms vs Slug



Right In: 592.981+/-0.114 χ^2/NDF : 4543297.0/29

Left Out: 297.613+/-0.050 χ^2/NDF :1637757.8/24

Right Out: 594.297+/-0.111 χ^2/NDF : 5849283.7/33

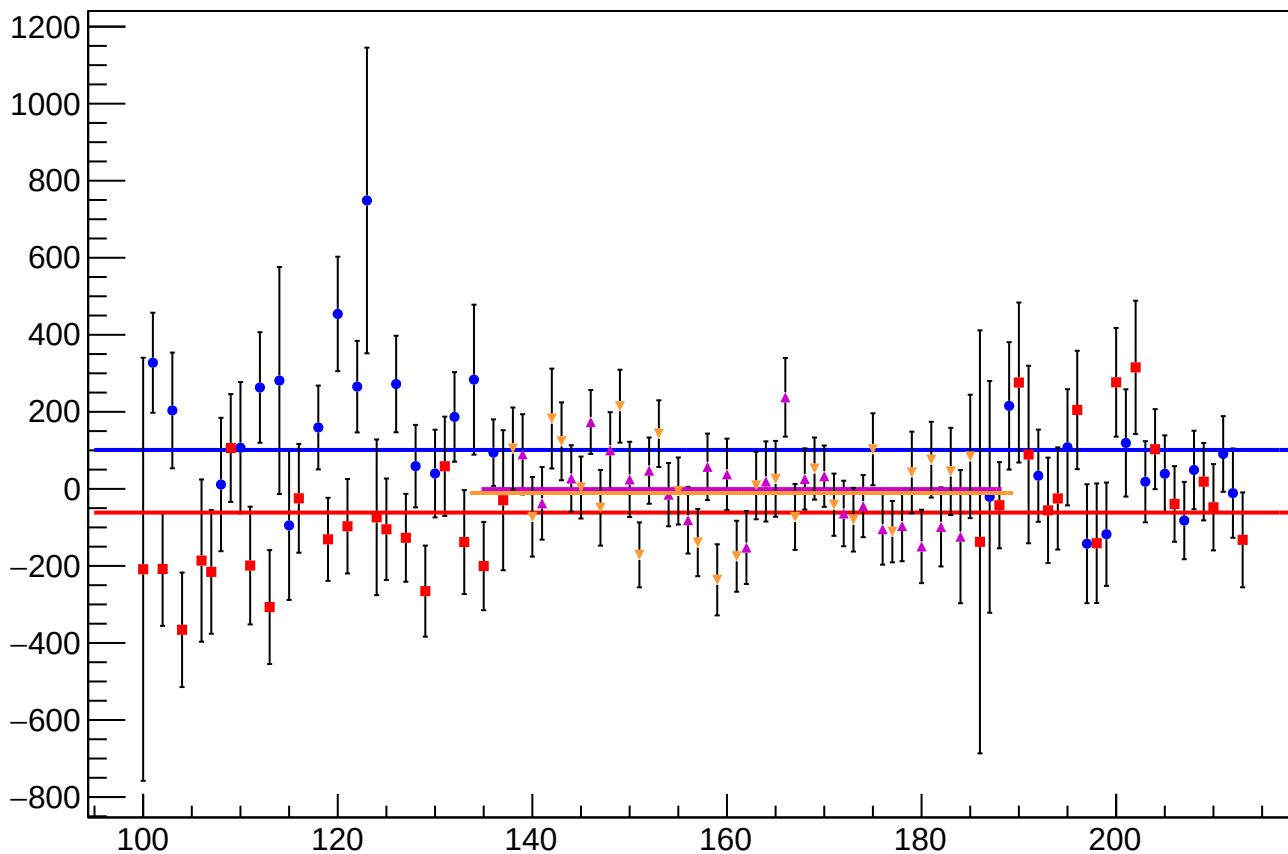
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 345.540+/-0.046 χ^2/NDF : 11781585.3/54

All: 347.700+/-0.033 χ^2/NDF : 24749166.0/11

- sign 349.926+/-0.047 χ^2/NDF : 12963106.3/56

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 101.089 $\pm$ 23.552 χ^2 /NDF: 32.4/29

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -61.495 $\pm$ 23.607 χ^2 /NDF: 38.7/33

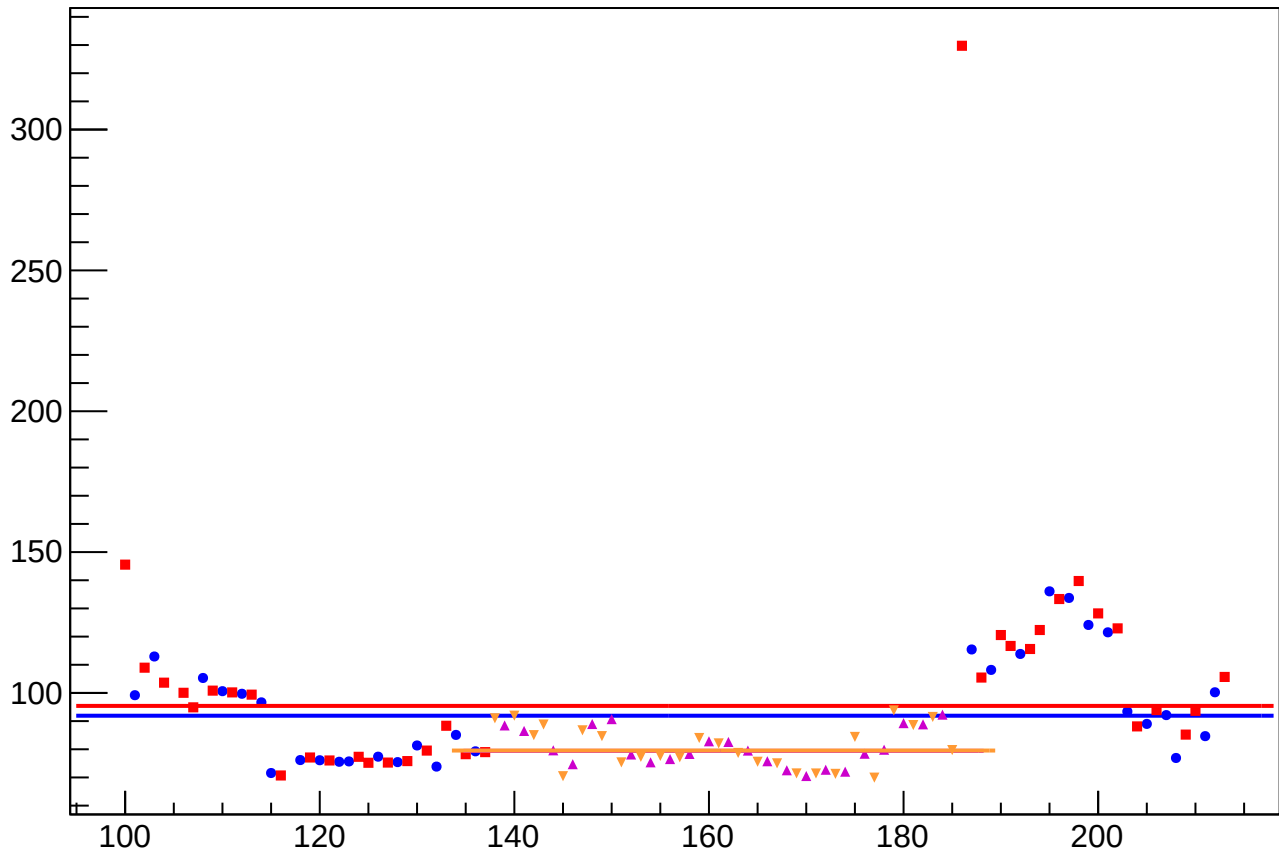
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 32.287 $\pm$ 14.602 χ^2 /NDF: 82.6/54

All: 4.282 $\pm$ 10.410 χ^2 /NDF: 156.5/111

- sign -24.663 $\pm$ 14.845 χ^2 /NDF: 66.5/56

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 91.914+/-0.017 χ^2/NDF : 1071377.9/29

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 95.399+/-0.017 χ^2/NDF : 1535222.8/33

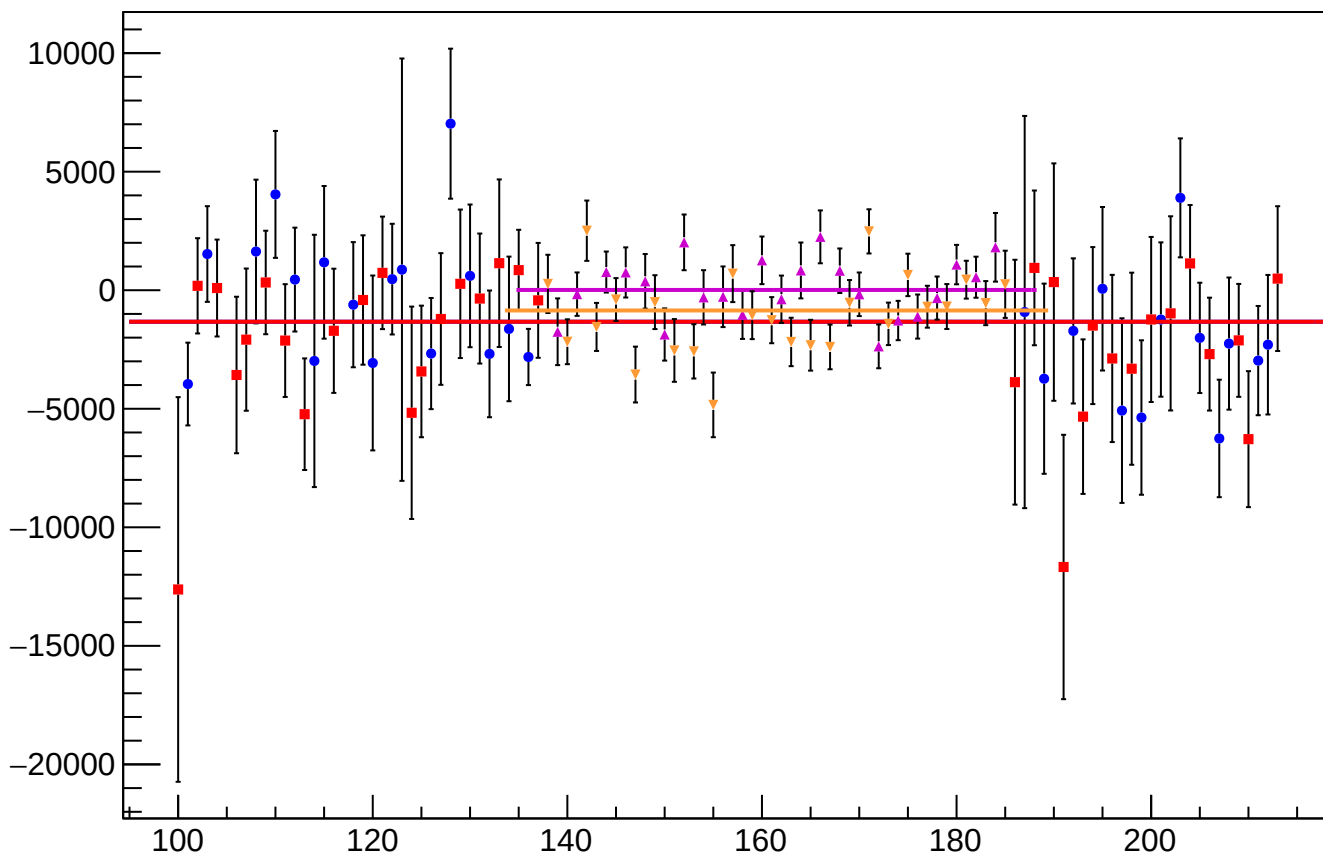
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 84.303+/-0.010 χ^2/NDF : 1719721.8/54

All: 85.014+/-0.007 χ^2/NDF : 4029862.9/111

- sign 85.748+/-0.010 χ^2/NDF : 2300505.6/56

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1329.702 ± 477.369 χ^2/NDF : 33.2/29

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1328.785 ± 482.824 χ^2/NDF : 22.8/33

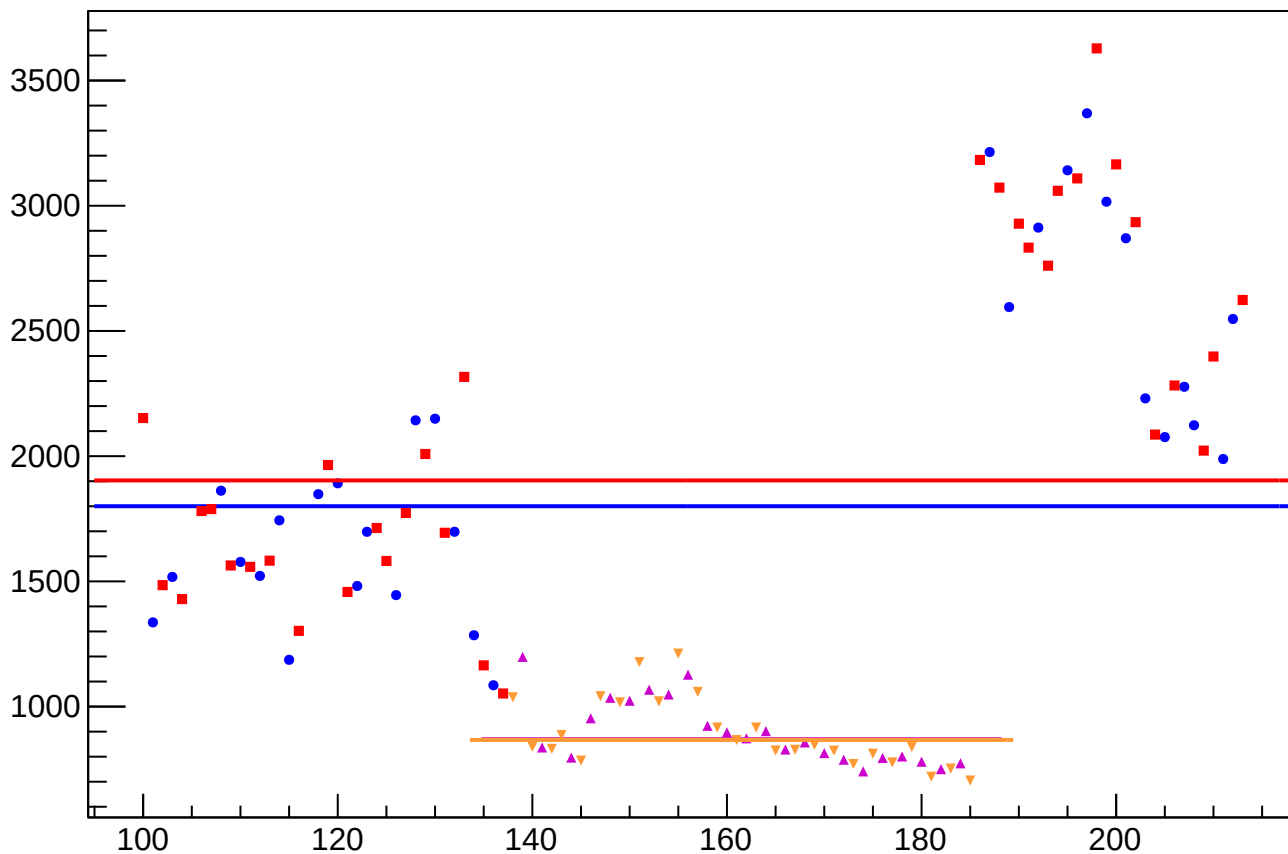
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -927.623 ± 187.659 χ^2/NDF : 90.0/54

All: -574.139 ± 134.418 χ^2/NDF : 157.8/111

- sign -201.680 ± 192.630 χ^2/NDF : 60.5/56

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1800.176 $\pm$ 0.338 χ^2 /NDF: 3077465.7/29

Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF: 661712.5/24

+ sign 1011.119 $\pm$ 0.133 χ^2 /NDF: 10202312.6/54

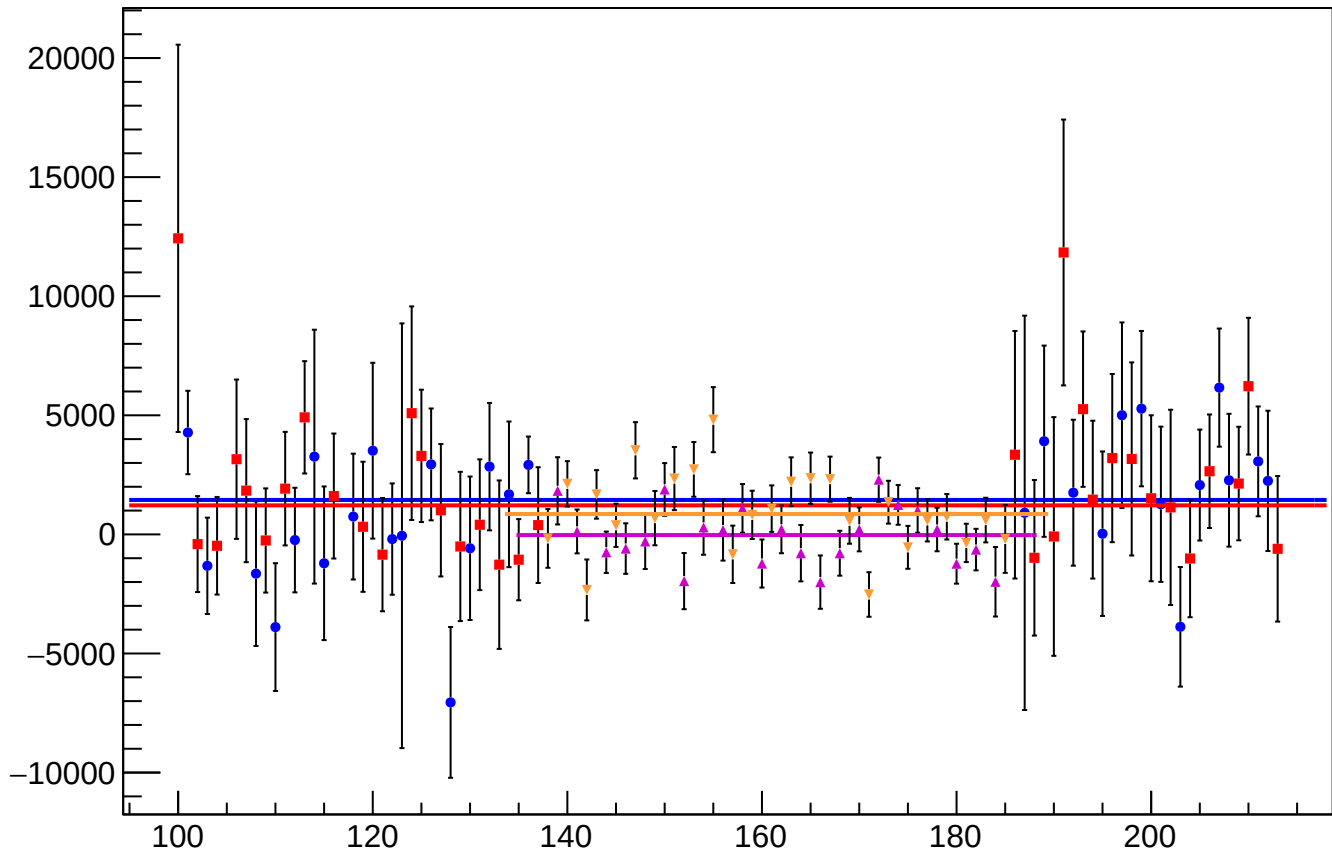
Right Out: 1903.113 $\pm$ 0.341 χ^2 /NDF: 3331738.0/33

All: 1022.300 $\pm$ 0.095 χ^2 /NDF: 21836730.8/1

Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

- sign 1034.081 $\pm$ 0.136 χ^2 /NDF: 11619837.5/56

asym_sam_24_68_dd_mean vs Slug



Right In: 1446.252 ± 478.169 χ^2/NDF : 33.3/29

Left Out: 855.664 ± 205.047 χ^2/NDF : 54.1/24

Right Out: 1219.278 ± 483.711 χ^2/NDF : 22.7/33

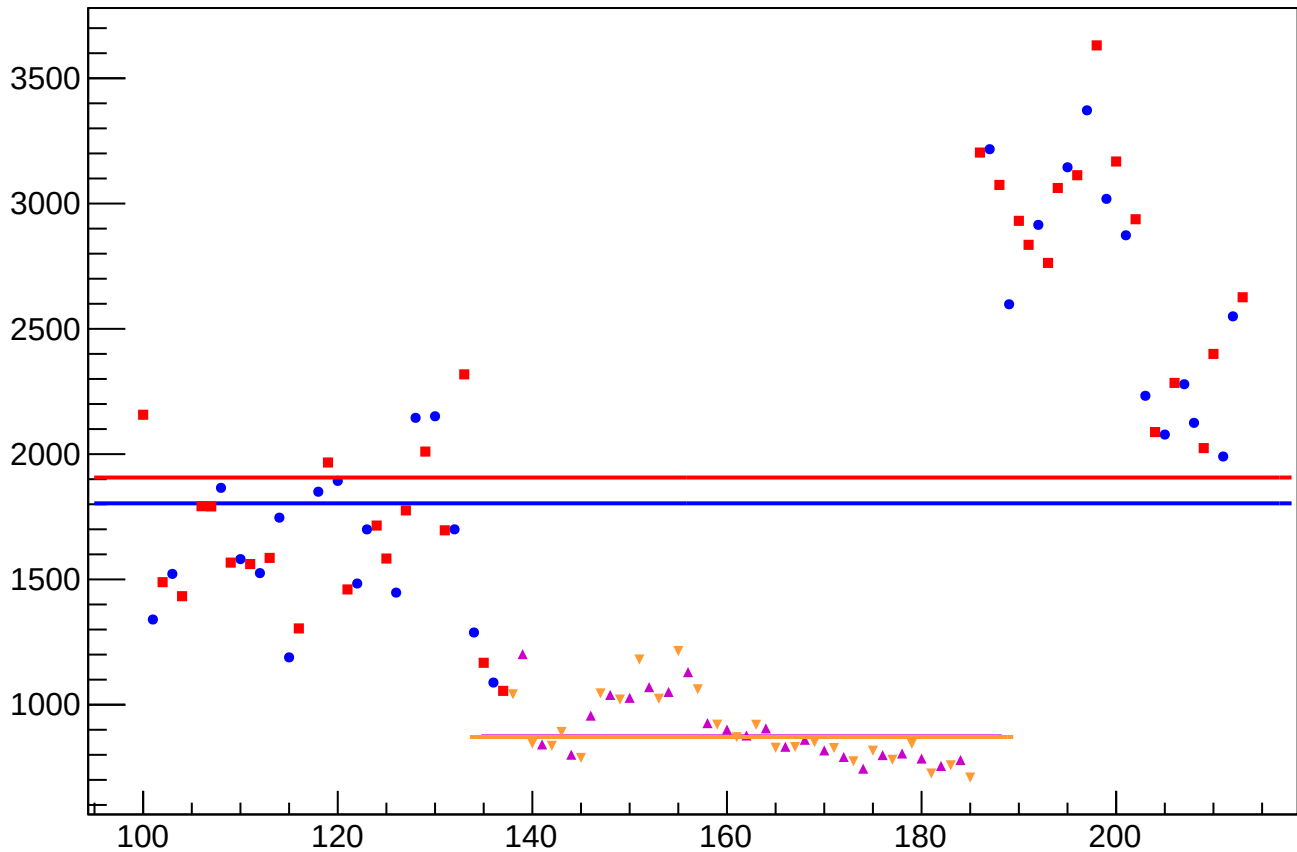
Left In: -28.553 ± 211.034 χ^2/NDF : 29.7/22

+ sign 947.396 ± 188.451 χ^2/NDF : 88.6/54

All: 569.303 ± 134.980 χ^2/NDF : 155.0/111

- sign 170.981 ± 193.427 χ^2/NDF : 58.1/56

asym_sam_24_68_dd_rms vs Slug



Right In: 1803.616 $\pm$ 0.338 χ^2 /NDF: 3064757.7/29

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

Right Out: 1906.664 $\pm$ 0.342 χ^2 /NDF: 3322359.1/33

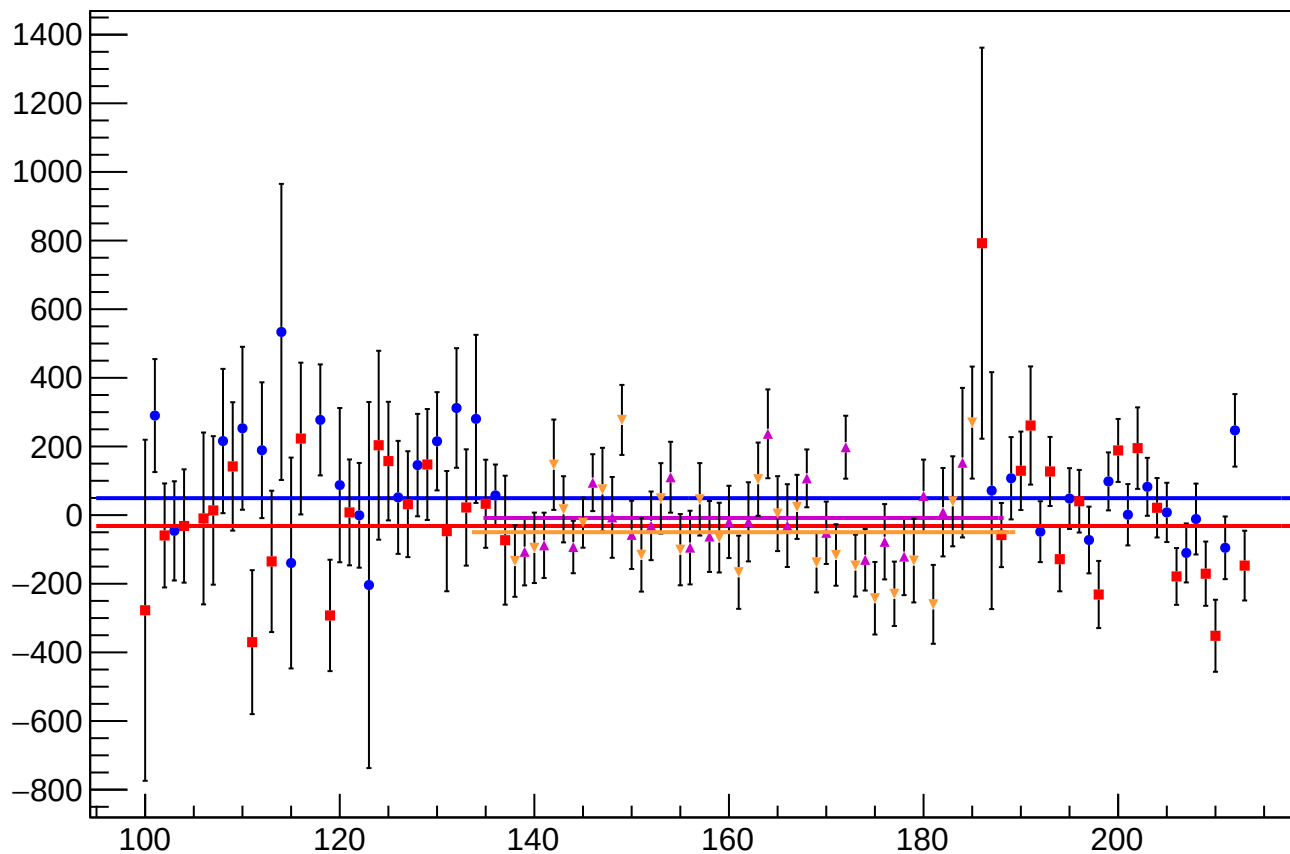
Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

+ sign 1015.948 $\pm$ 0.133 χ^2 /NDF: 10141360.2/54

All: 1027.103 $\pm$ 0.095 χ^2 /NDF: 21714576.2/100

- sign 1038.855 $\pm$ 0.137 χ^2 /NDF: 11558826.2/56

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 49.373 ± 22.408 $\chi^2/\text{NDF}: 27.2/29$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -31.721 ± 22.269 $\chi^2/\text{NDF}: 52.9/33$

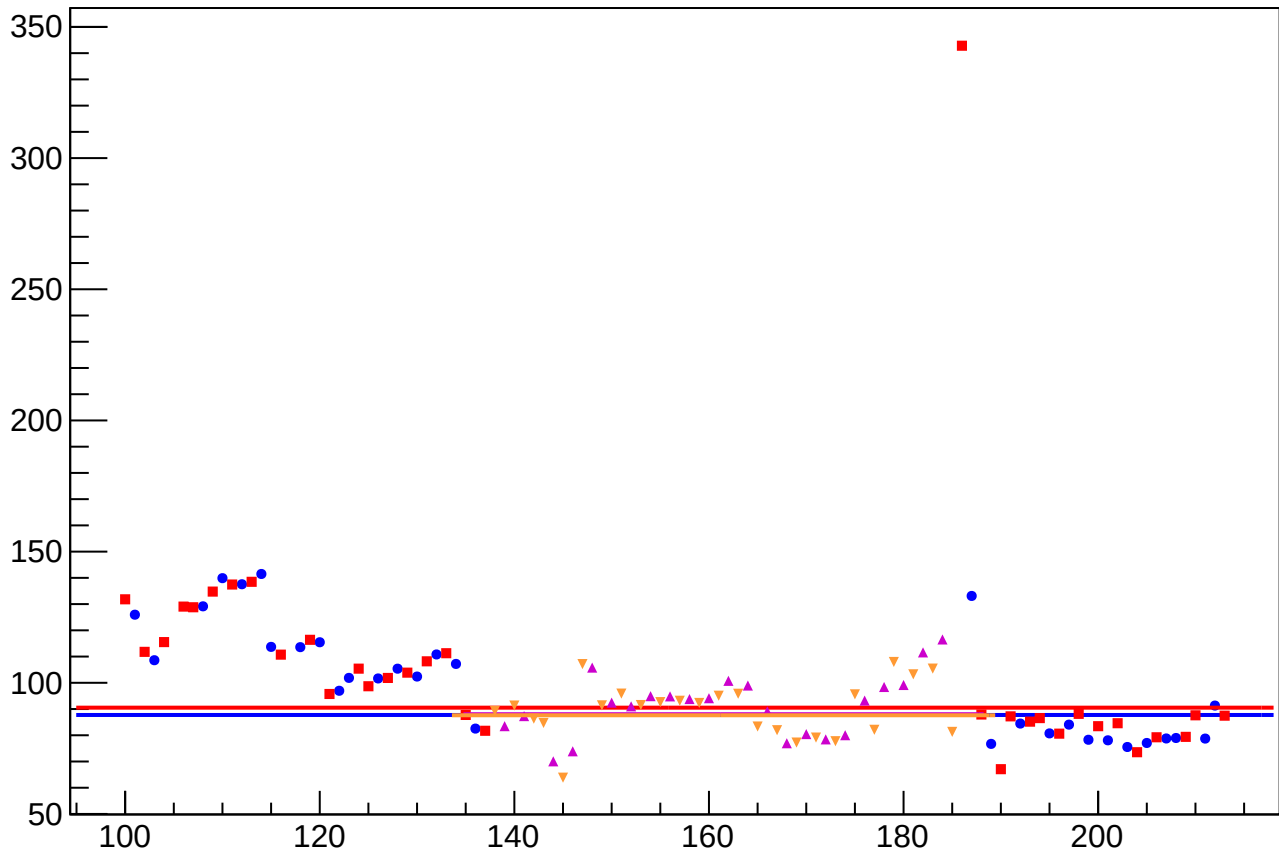
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -4.377 ± 15.157 $\chi^2/\text{NDF}: 77.2/54$

All: -11.825 ± 10.796 $\chi^2/\text{NDF}: 153.1/111$

- sign -19.496 ± 15.382 $\chi^2/\text{NDF}: 75.4/56$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 87.735 $\pm$ 0.016 χ^2 /NDF: 951833.9/29

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 90.523 $\pm$ 0.016 χ^2 /NDF: 1365022.3/33

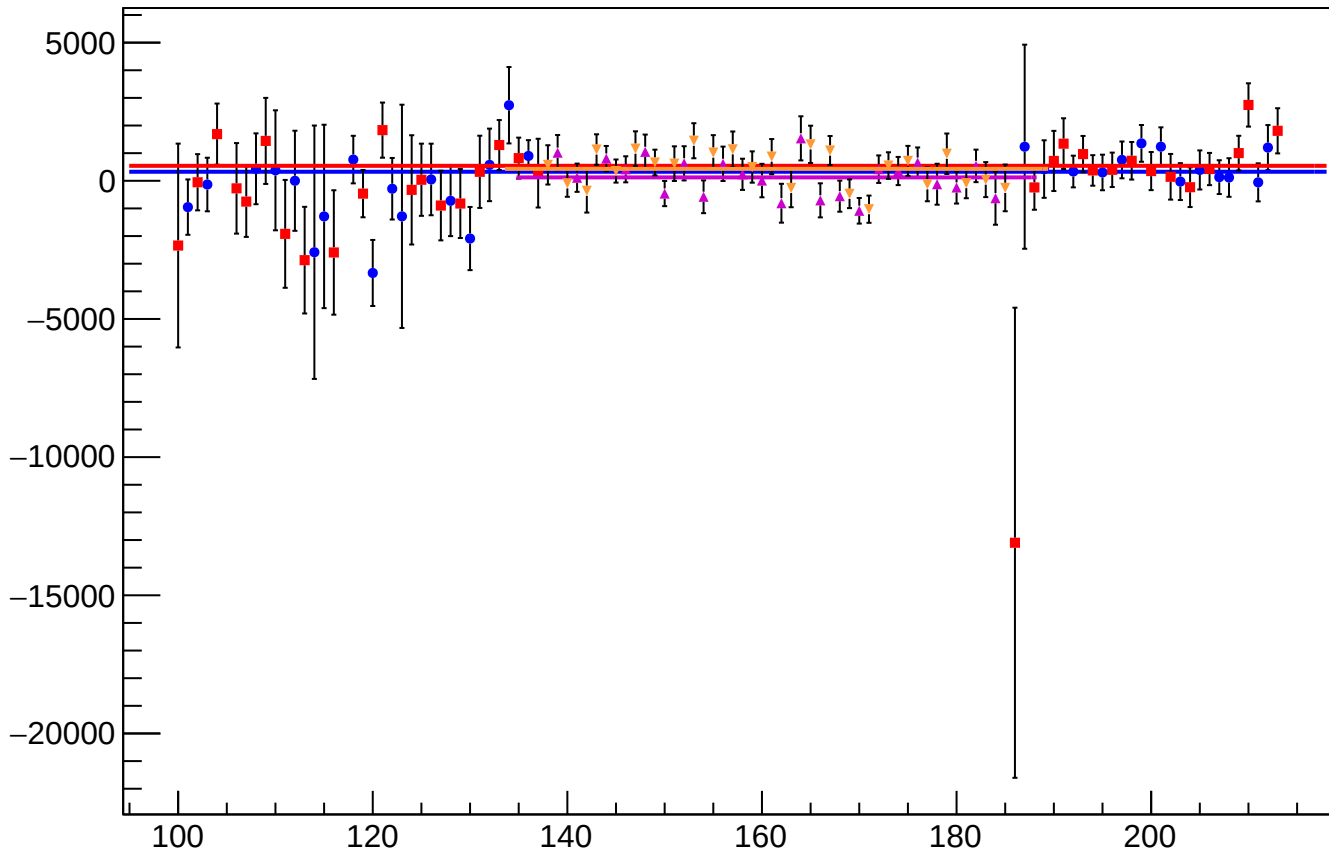
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 87.675 $\pm$ 0.011 χ^2 /NDF: 1506550.4/54

All: 88.437 $\pm$ 0.008 χ^2 /NDF: 3418608.9/111

- sign 89.221 $\pm$ 0.011 χ^2 /NDF: 1901819.3/56

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 327.178+/-162.303 χ^2/NDF : 28.4/29

Left Out: 431.658+/-115.706 χ^2/NDF : 30.5/24

Right Out: 542.101+/-156.613 χ^2/NDF : 34.4/33

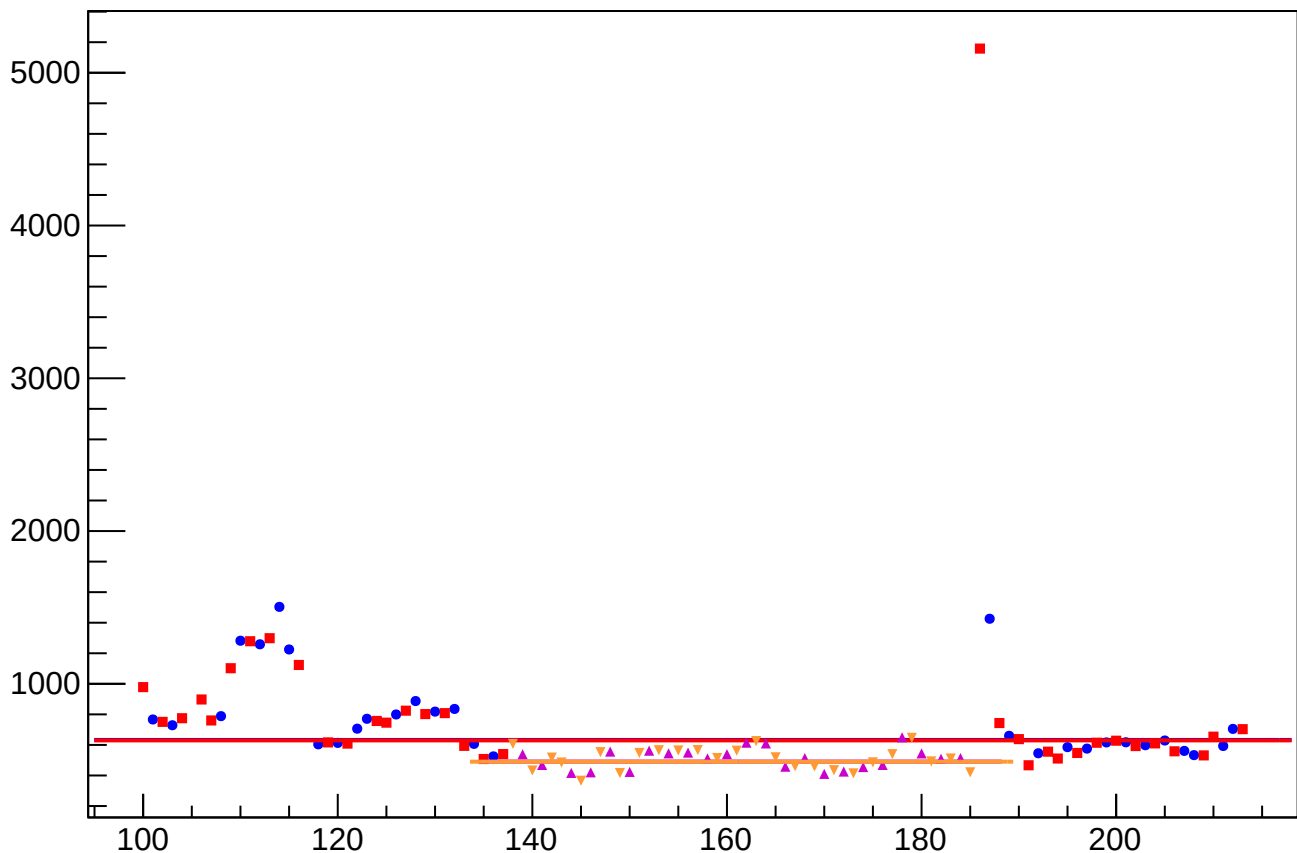
Left In: 123.017+/-118.849 χ^2/NDF : 29.3/22

+ sign 396.452+/-94.215 χ^2/NDF : 59.2/54

All: 336.601+/-66.782 χ^2/NDF : 128.2/111

- sign 276.165+/-94.675 χ^2/NDF : 68.2/56

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 632.552 $\pm$ 0.115 χ^2 /NDF: 1200120.3/29

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 629.630 $\pm$ 0.111 χ^2 /NDF: 2038638.5/33

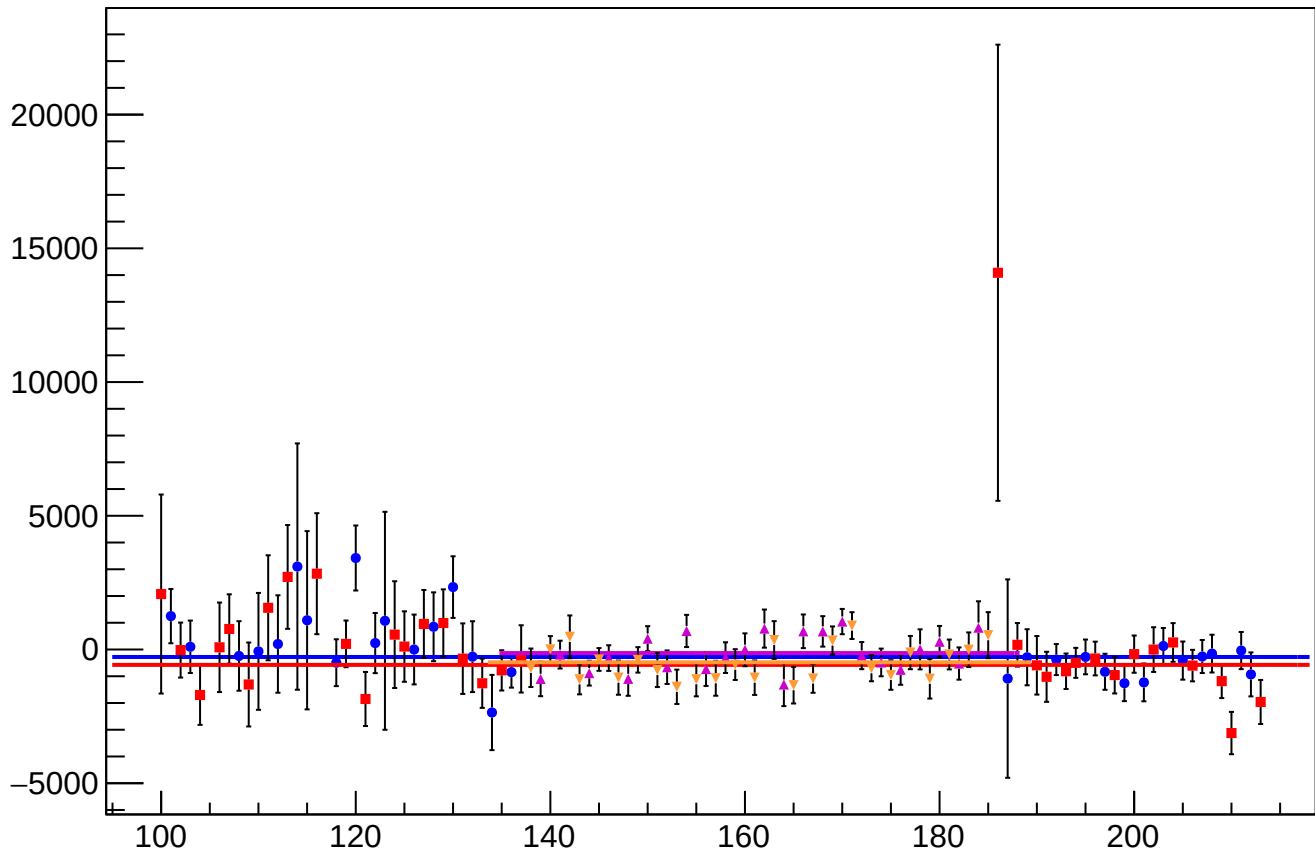
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 538.213 $\pm$ 0.067 χ^2 /NDF: 2969528.9/54

All: 539.899 $\pm$ 0.047 χ^2 /NDF: 6594388.3/111

- sign 541.603 $\pm$ 0.067 χ^2 /NDF: 3623570.7/56

asym_sam_26_48_dd_mean vs Slug



Right In: -279.695 ± 164.012 χ^2/NDF : 27.8/29

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -575.274 ± 158.404 χ^2/NDF : 37.2/33

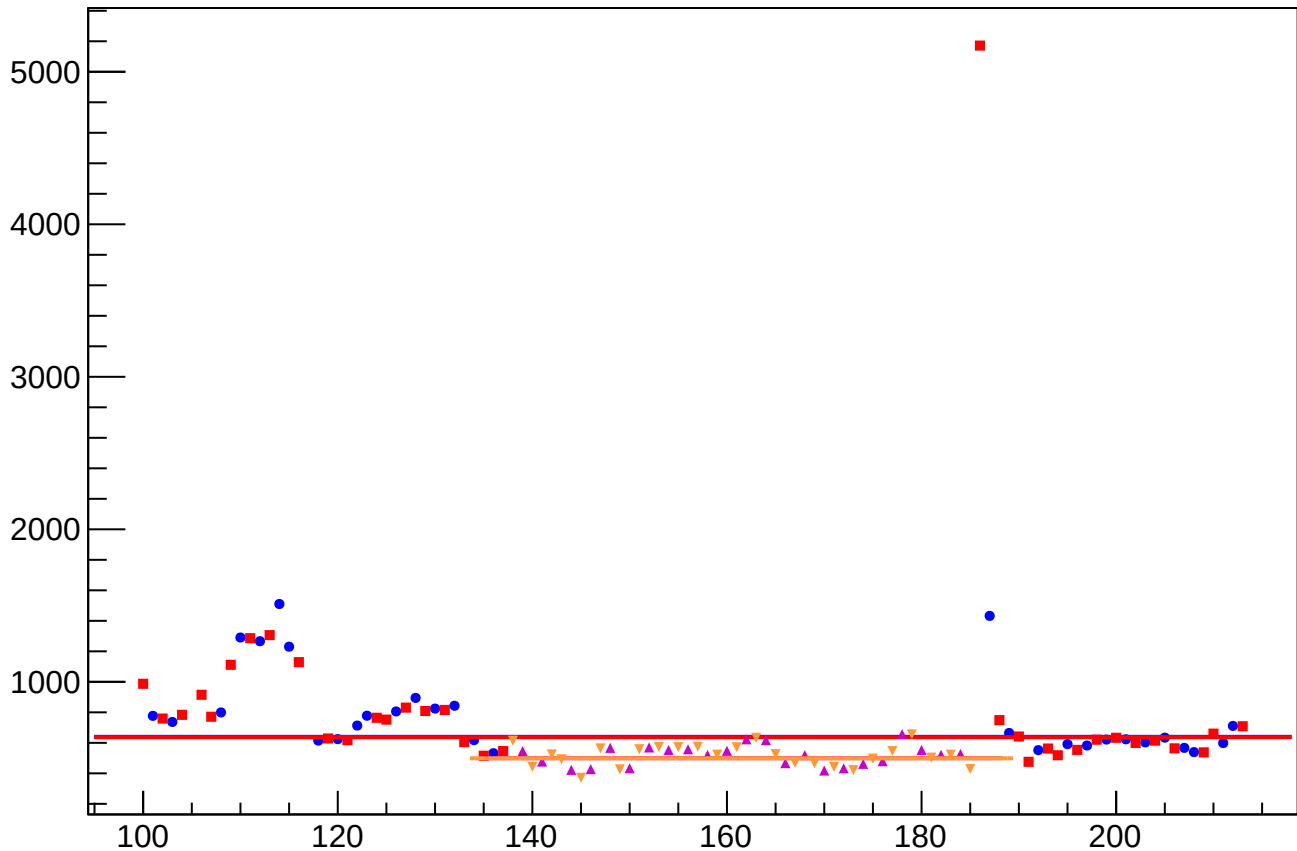
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -410.751 ± 95.603 χ^2/NDF : 56.6/54

All: -353.395 ± 67.773 χ^2/NDF : 129.0/111

- sign -295.455 ± 96.089 χ^2/NDF : 71.7/56

asym_sam_26_48_dd_rms vs Slug



Right In: 639.380+/-0.116 χ^2/NDF : 1189043.9/29

Left Out: 498.754+/-0.083 χ^2/NDF : 734302.8/24

Right Out: 637.075+/-0.112 χ^2/NDF : 2017452.6/33

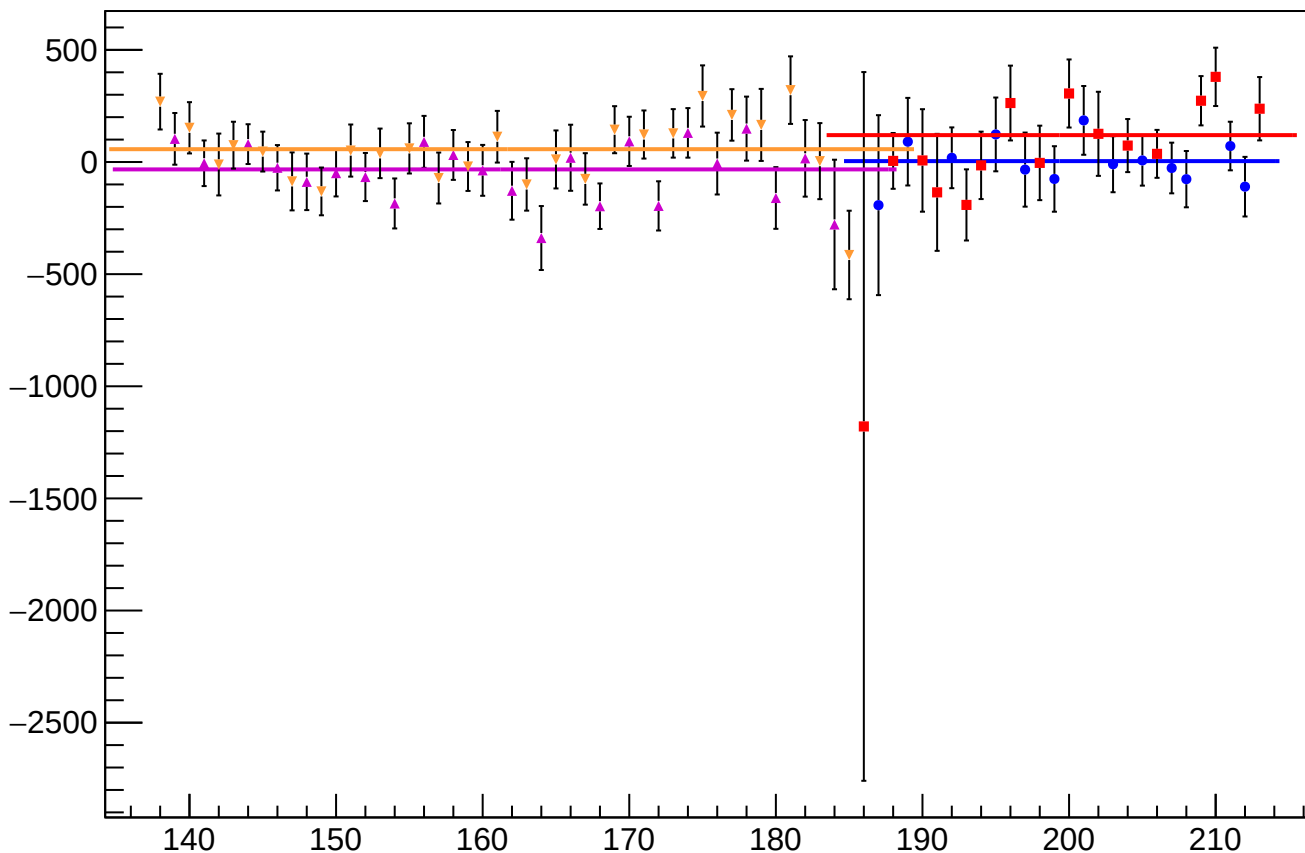
Left In: 499.393+/-0.085 χ^2/NDF : 576539.2/22

+ sign 546.536+/-0.068 χ^2/NDF : 2894087.6/54

All: 548.287+/-0.048 χ^2/NDF : 6444391.0/111

- sign 550.056+/-0.068 χ^2/NDF : 3548954.5/56

reg_asym_sam_1548_avg_mean vs Slug



Right In: 3.999 ± 38.441 χ^2/NDF : 4.3/12

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: 119.913 ± 38.406 χ^2/NDF : 17.6/14

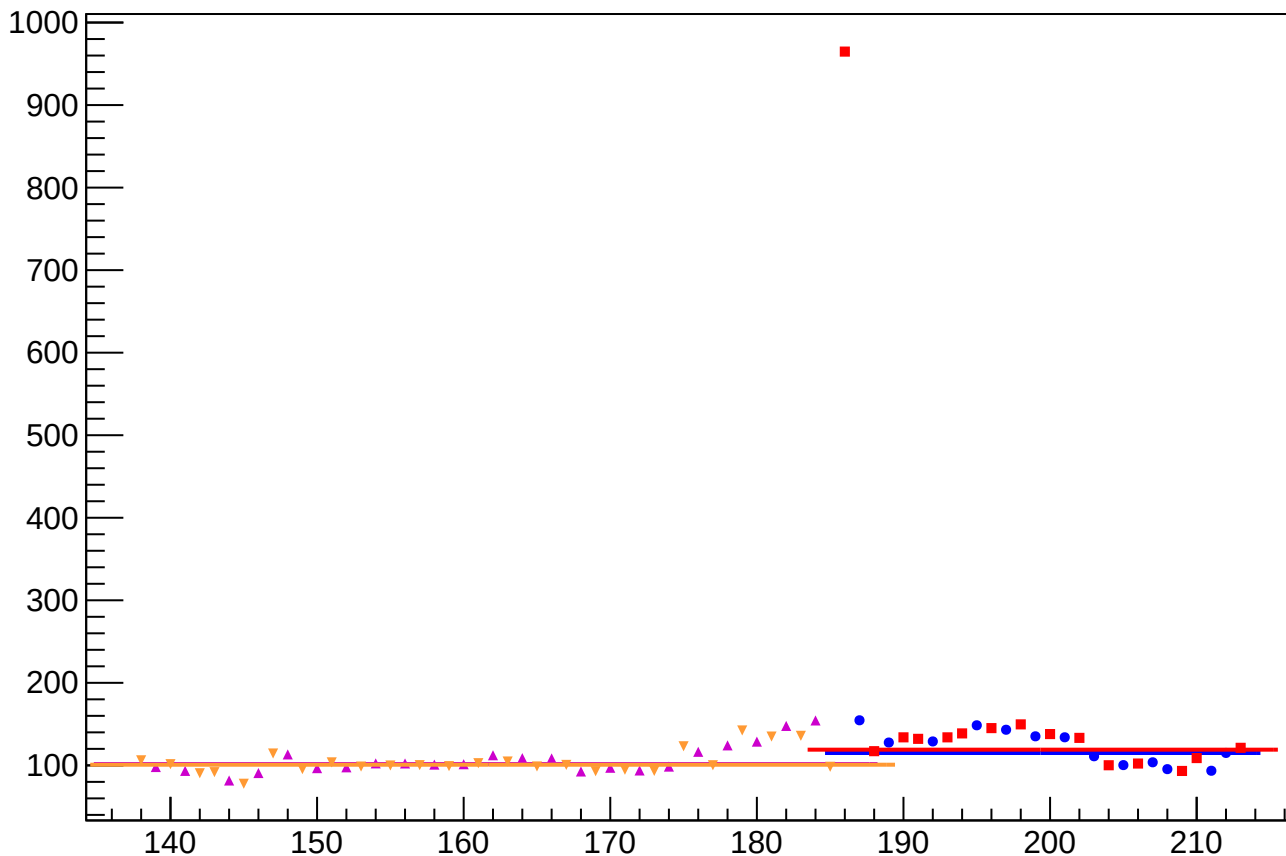
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 42.543 ± 20.182 χ^2/NDF : 34.9/37

All: 27.415 ± 14.453 χ^2/NDF : 88.5/75

- sign 11.489 ± 20.707 χ^2/NDF : 52.4/37

reg_asym_sam_1548_avg_rms vs Slug



Right In: 114.995 $\pm$ 0.027 χ^2 /NDF: 443204.0/12

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 119.020 $\pm$ 0.027 χ^2 /NDF: 1022239.2/14

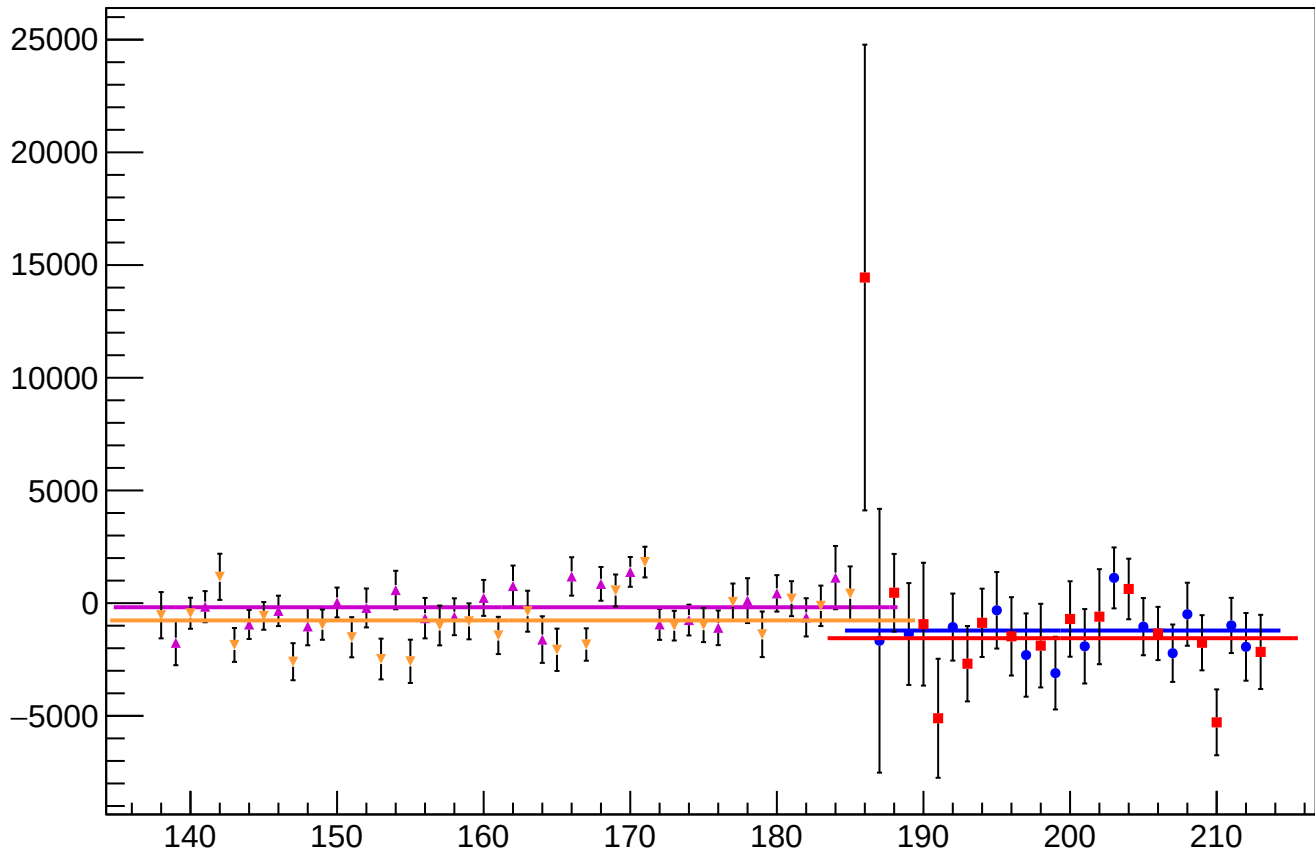
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 104.713 $\pm$ 0.014 χ^2 /NDF: 1241237.9/37

All: 105.671 $\pm$ 0.010 χ^2 /NDF: 3146191.3/75

- sign 106.680 $\pm$ 0.015 χ^2 /NDF: 1895704.5/37

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1214.655 ± 427.446 χ^2/NDF : 6.4/12

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1554.933 ± 430.462 χ^2/NDF : 16.2/14

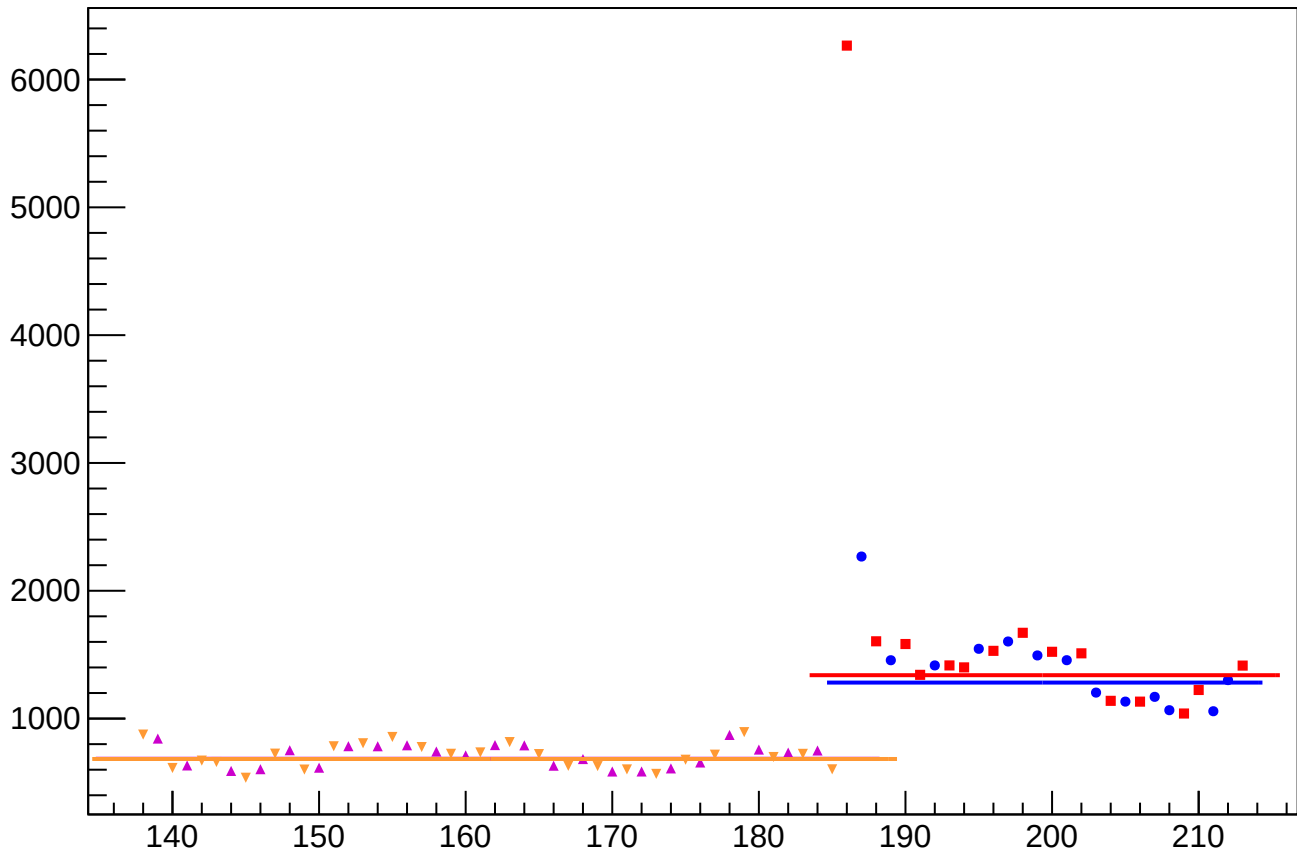
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -822.096 ± 150.721 χ^2/NDF : 53.9/37

All: -596.338 ± 107.926 χ^2/NDF : 108.5/75

- sign -358.764 ± 154.615 χ^2/NDF : 50.0/37

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1281.702 $\pm$ 0.302 χ^2 /NDF: 415798.4/12

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1339.475 $\pm$ 0.304 χ^2 /NDF: 893203.0/14

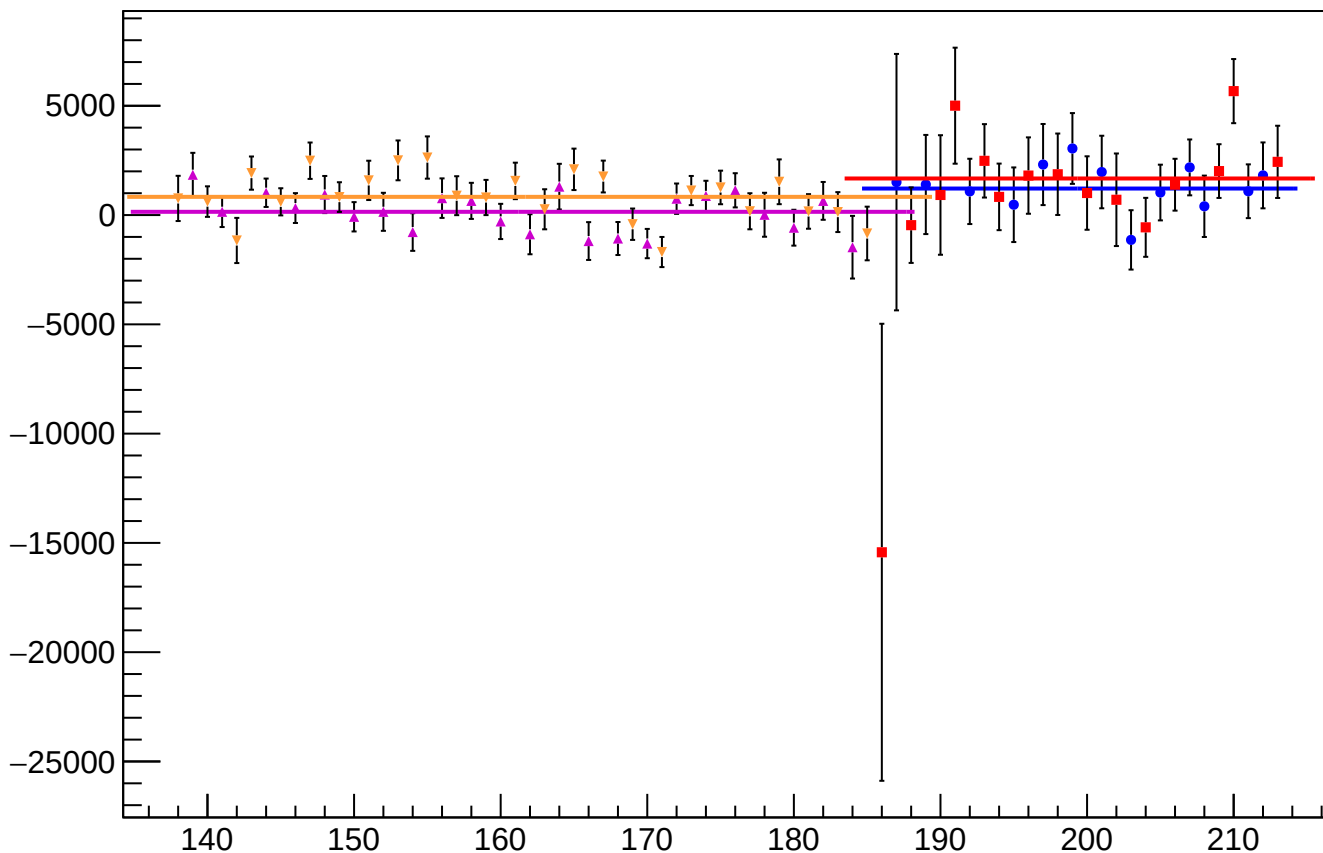
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 758.213 $\pm$ 0.107 χ^2 /NDF: 4508613.7/37

All: 763.933 $\pm$ 0.076 χ^2 /NDF: 9956576.9/75

- sign 769.952 $\pm$ 0.109 χ^2 /NDF: 5442051.2/37

asym_sam_1548_avg_mean vs Slug



Right In: 1213.825 $\pm$ 429.234 χ^2 /NDF: 6.1/12

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF:43.2/24

Right Out: 1673.621 $\pm$ 432.277 χ^2 /NDF: 17.3/14

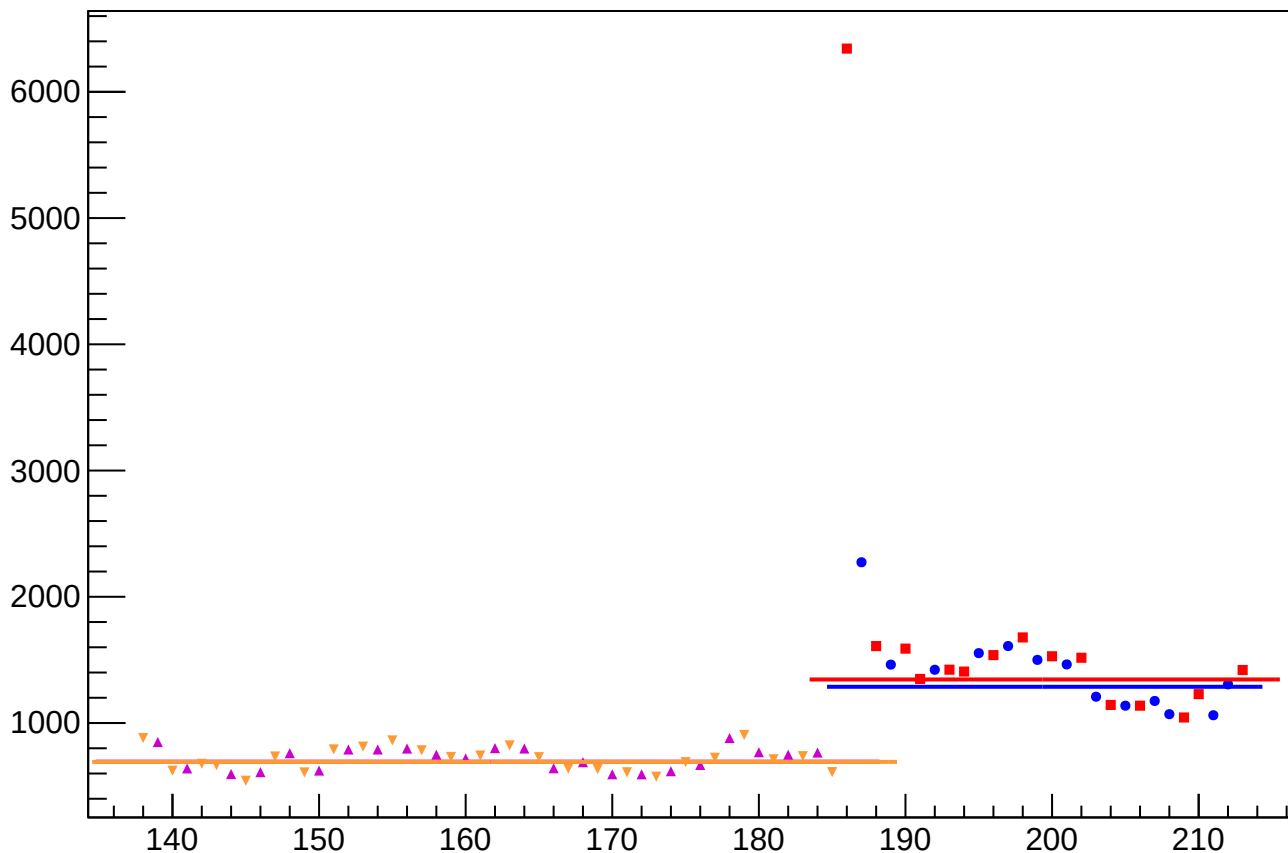
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF:26.0/22

+ sign 881.323 $\pm$ 152.354 χ^2 /NDF: 50.0/37

All: 621.562 $\pm$ 109.099 χ^2 /NDF: 110.1/75

- sign 348.165 $\pm$ 156.302 χ^2 /NDF: 54.1/37

asym_sam_1548_avg_rms vs Slug



Right In: 1287.052+/-0.304 χ^2/NDF : 416480.8/12

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1345.081+/-0.306 χ^2/NDF : 895630.8/14

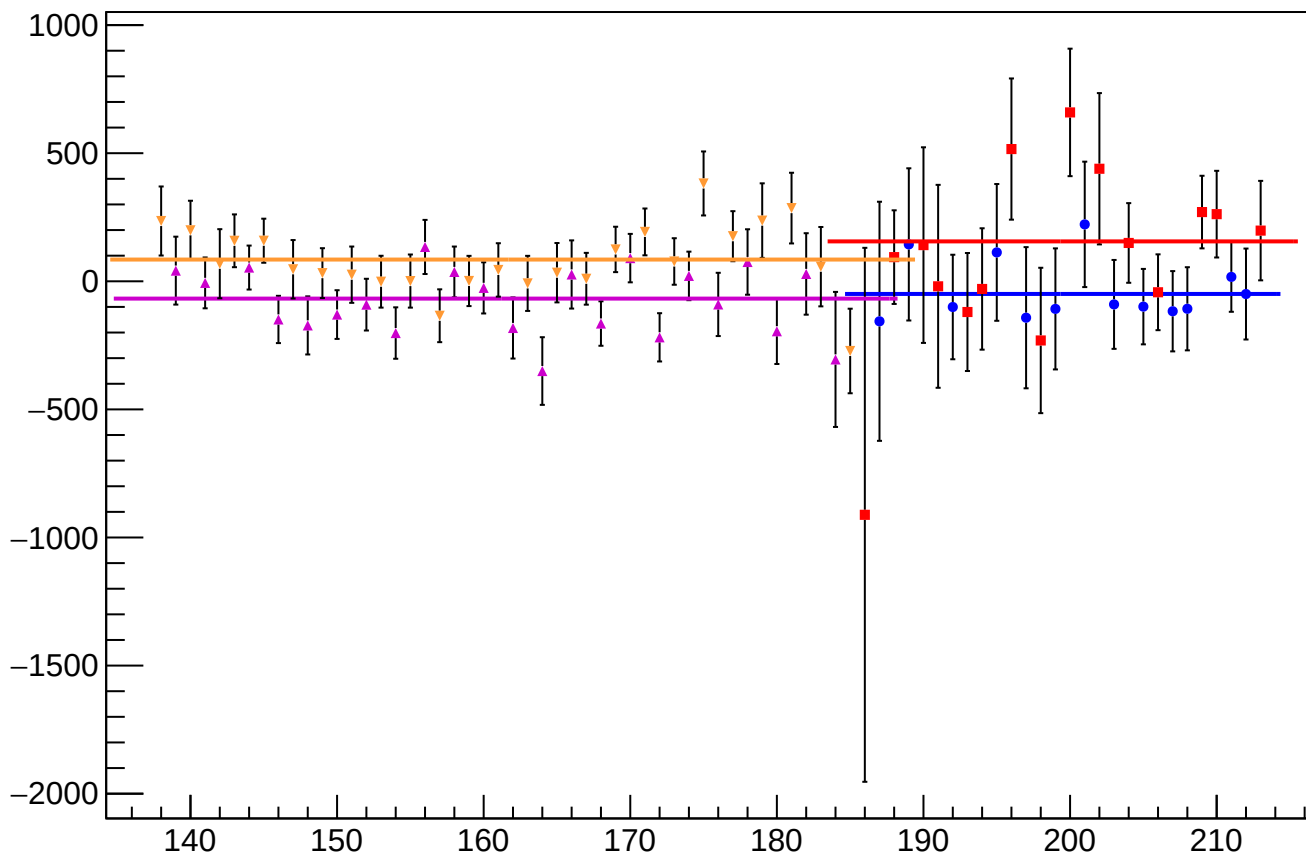
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 767.052+/-0.108 χ^2/NDF : 4432125.0/37

All: 772.876+/-0.077 χ^2/NDF : 9801322.1/75

- sign 779.006+/-0.111 χ^2/NDF : 5363199.0/37

reg_asym_sam_3748_avg_mean vs Slug



Right In: -49.368 ± 53.800 χ^2/NDF : 3.0/12

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 155.758 ± 54.856 χ^2/NDF : 14.9/14

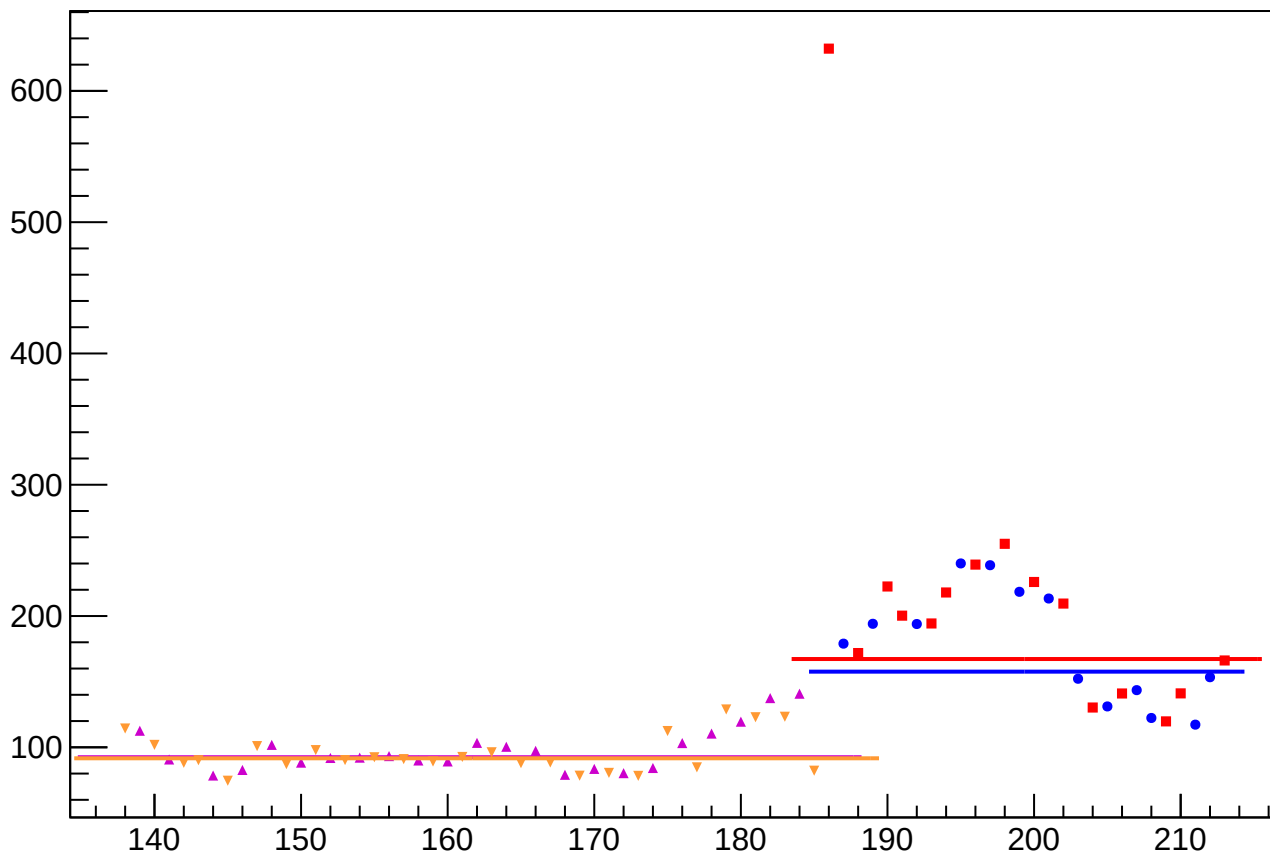
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 66.163 ± 20.079 χ^2/NDF : 36.9/37

All: 17.059 ± 14.438 χ^2/NDF : 107.2/75

- sign -35.518 ± 20.777 χ^2/NDF : 57.9/37

reg_asym_sam_3748_avg_rms vs Slug



Right In: 157.634 $\pm$ 0.038 χ^2 /NDF: 1051908.0/12

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 167.249 $\pm$ 0.039 χ^2 /NDF: 1502756.0/14

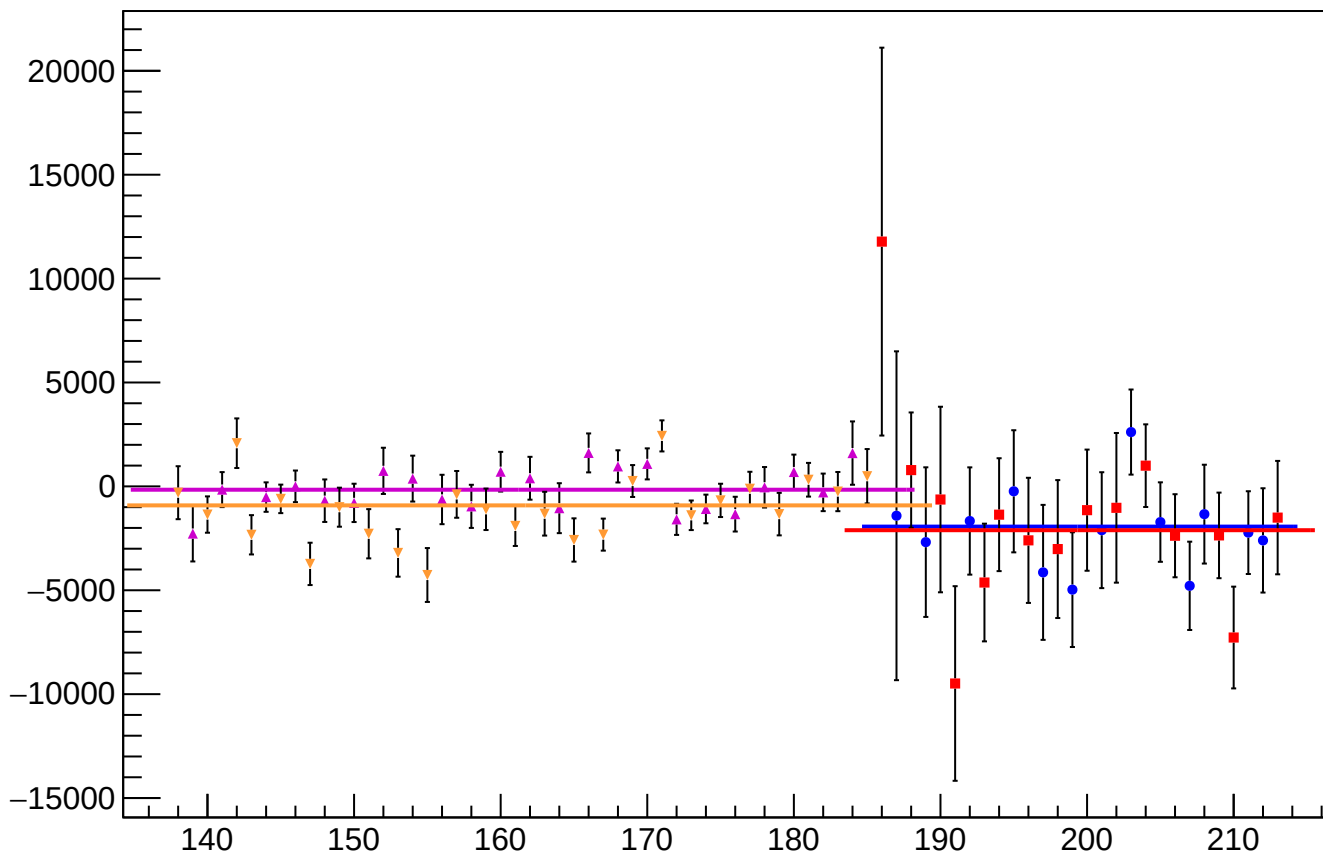
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 100.826 $\pm$ 0.014 χ^2 /NDF: 4335808.3/37

All: 101.970 $\pm$ 0.010 χ^2 /NDF: 9691506.0/75

- sign 103.194 $\pm$ 0.015 χ^2 /NDF: 5342267.2/37

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1936.263+/-701.123 χ^2/NDF : 9.0/12

Left Out: -914.719+/-185.341 χ^2/NDF : 64.2/24

Right Out: -2109.498+/-719.285 χ^2/NDF : 14.0/14

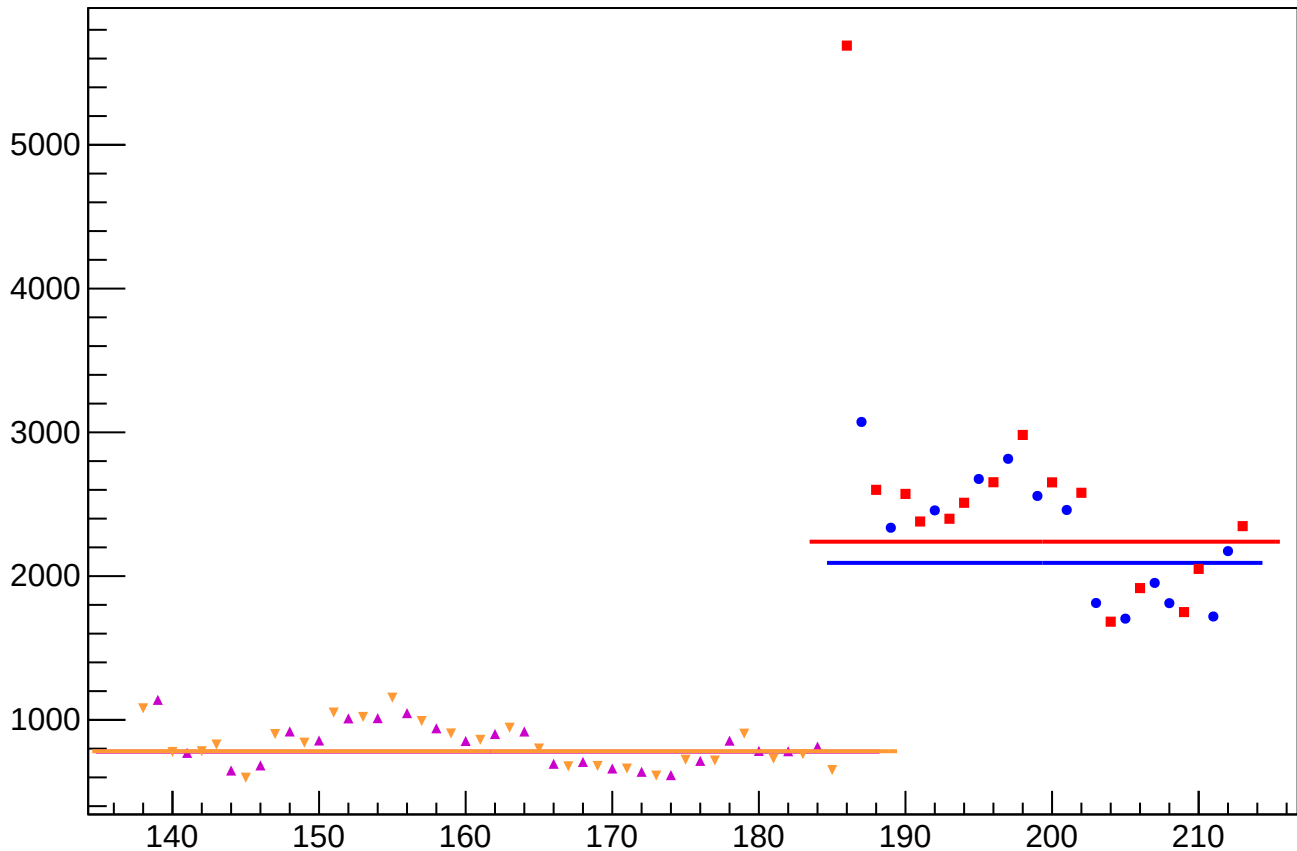
Left In: -161.076+/-189.491 χ^2/NDF : 25.1/22

+ sign -981.442+/-179.186 χ^2/NDF : 75.1/37

All: -642.243+/-128.112 χ^2/NDF : 128.4/75

- sign -287.525+/-183.239 χ^2/NDF : 46.0/37

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2092.106 $\pm$ 0.496 χ^2 /NDF: 577760.8/12

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2239.506 $\pm$ 0.509 χ^2 /NDF: 878705.3/14

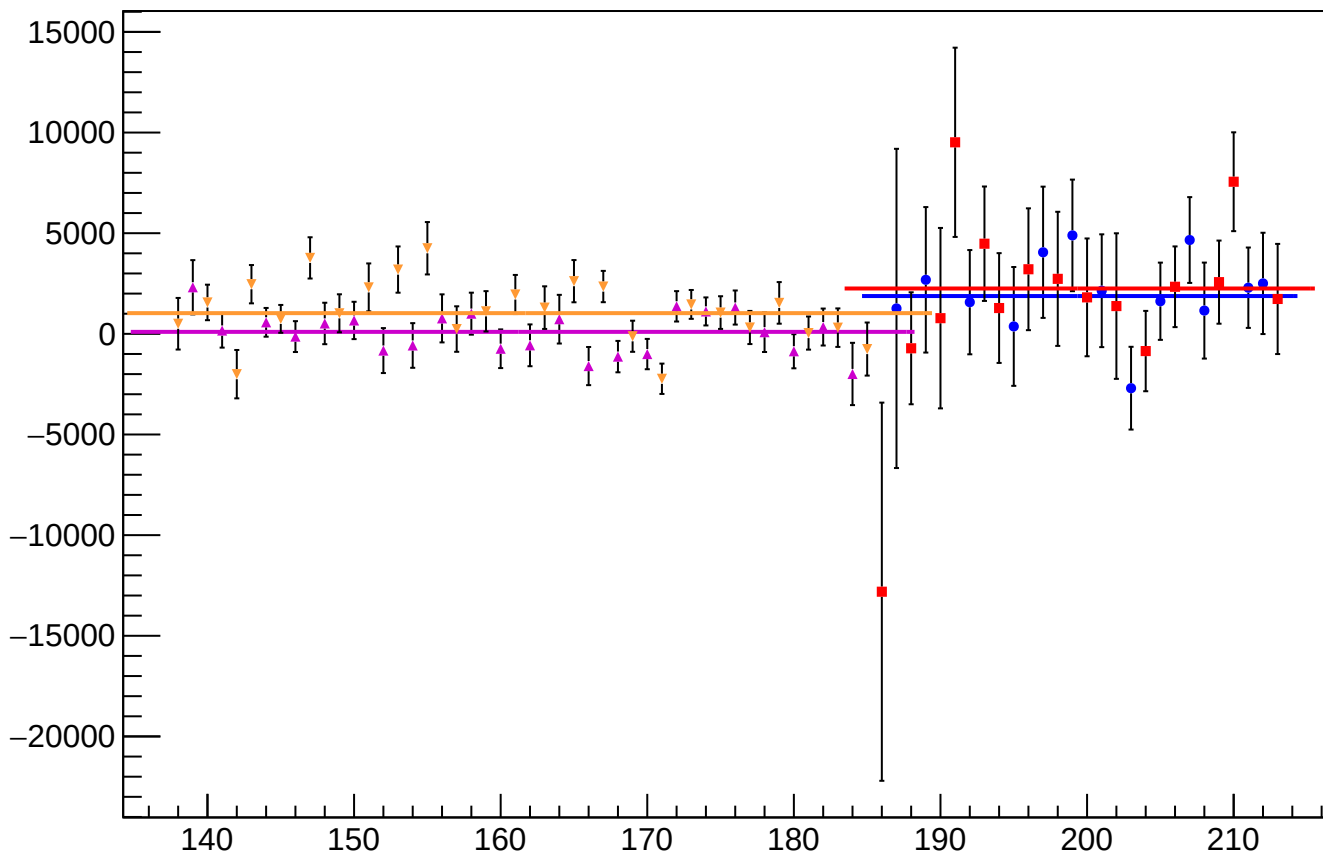
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 867.610 $\pm$ 0.127 χ^2 /NDF: 8235406.9/37

All: 870.625 $\pm$ 0.091 χ^2 /NDF: 17806267.4/75

- sign 873.779 $\pm$ 0.130 χ^2 /NDF: 9569701.5/37

asym_sam_3748_avg_mean vs Slug



Right In: 1877.810 $\pm$ 703.378 χ^2 /NDF: 8.8/12

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF:60.2/24

Right Out: 2253.088 $\pm$ 721.600 χ^2 /NDF: 14.3/14

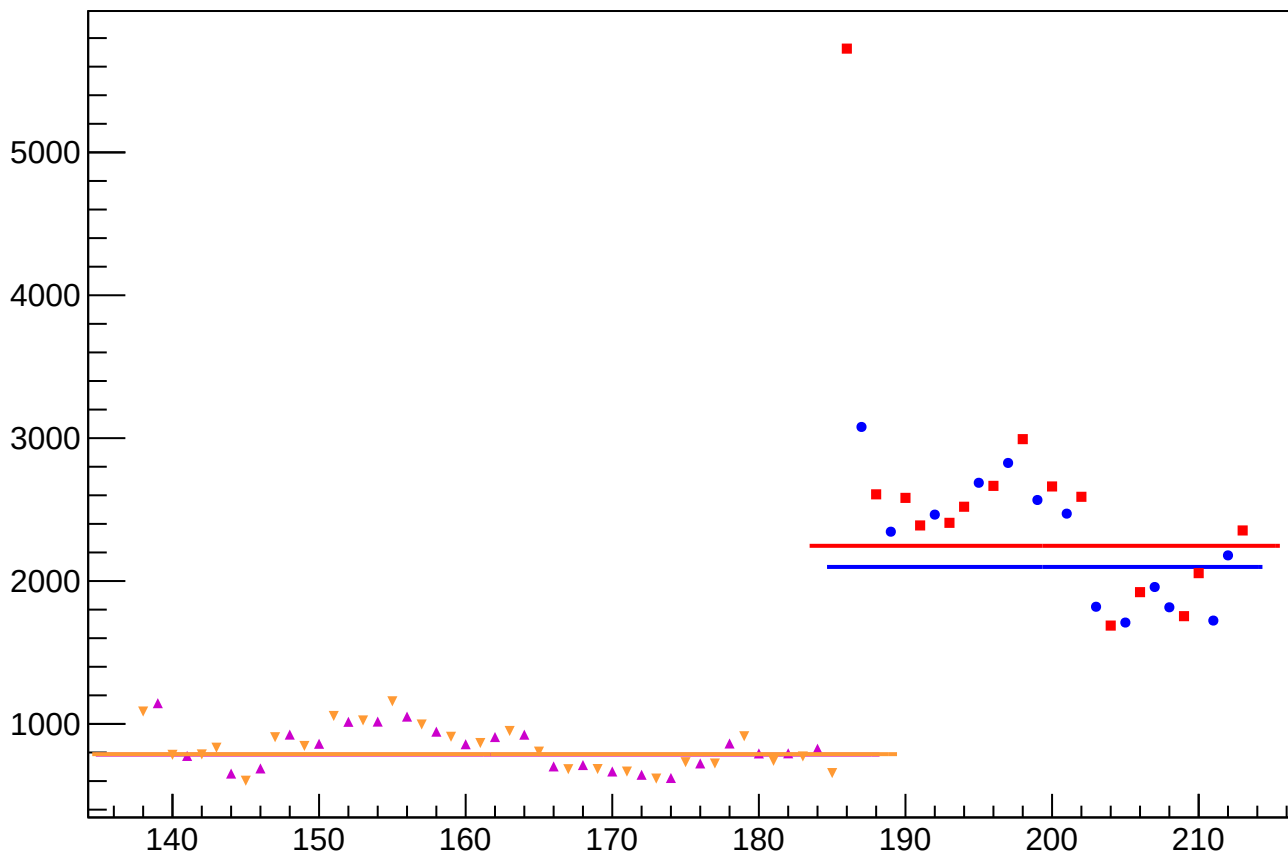
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF:25.4/22

+ sign 1084.801 $\pm$ 180.551 χ^2 /NDF: 70.4/37

All: 671.812 $\pm$ 129.099 χ^2 /NDF: 129.1/75

- sign 239.784 $\pm$ 184.666 χ^2 /NDF: 48.0/37

asym_sam_3748_avg_rms vs Slug



Right In: 2098.684+/-0.497 χ^2/NDF : 580304.4/12

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2246.507+/-0.510 χ^2/NDF : 882515.2/14

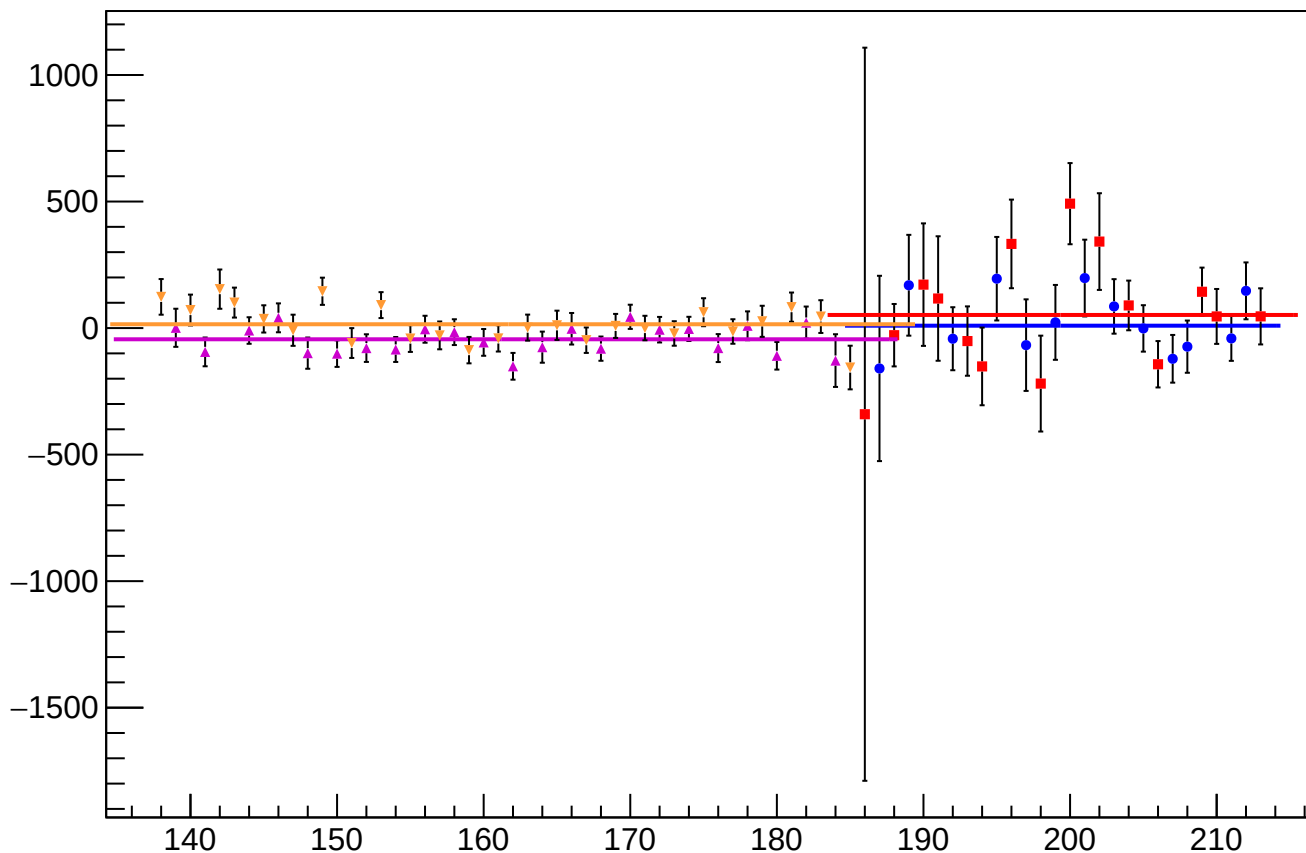
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 874.774+/-0.128 χ^2/NDF : 8176700.3/37

All: 877.902+/-0.091 χ^2/NDF : 17687577.3/75

- sign 881.173+/-0.131 χ^2/NDF : 9509649.1/37

reg_asym_sam_1526_avg_mean vs Slug



Right In: 9.422 ± 33.879 χ^2/NDF : 8.9/12

Left Out: 15.099 ± 11.154 χ^2/NDF : 34.2/24

Right Out: 51.822 ± 34.897 χ^2/NDF : 23.2/14

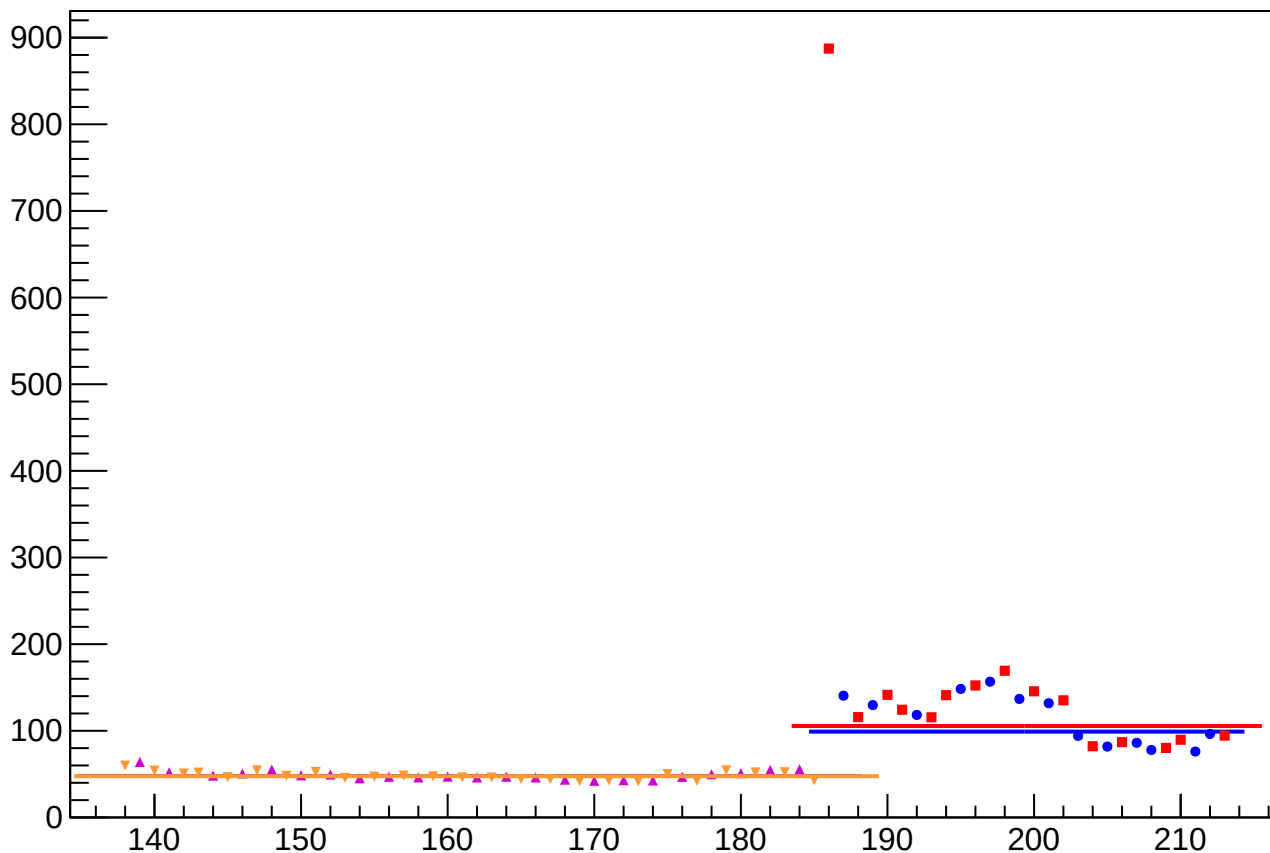
Left In: -44.297 ± 11.530 χ^2/NDF : 22.3/22

+ sign 14.544 ± 10.595 χ^2/NDF : 43.1/37

All: -9.338 ± 7.613 χ^2/NDF : 106.0/75

- sign -34.837 ± 10.948 χ^2/NDF : 52.3/37

reg_asym_sam_1526_avg_rms vs Slug



Right In: 99.058+/-0.024 χ^2/NDF : 1057151.0/12

Left Out: 47.586+/-0.008 χ^2/NDF : 312874.8/24

Right Out: 105.584+/-0.025 χ^2/NDF : 1712295.2/14

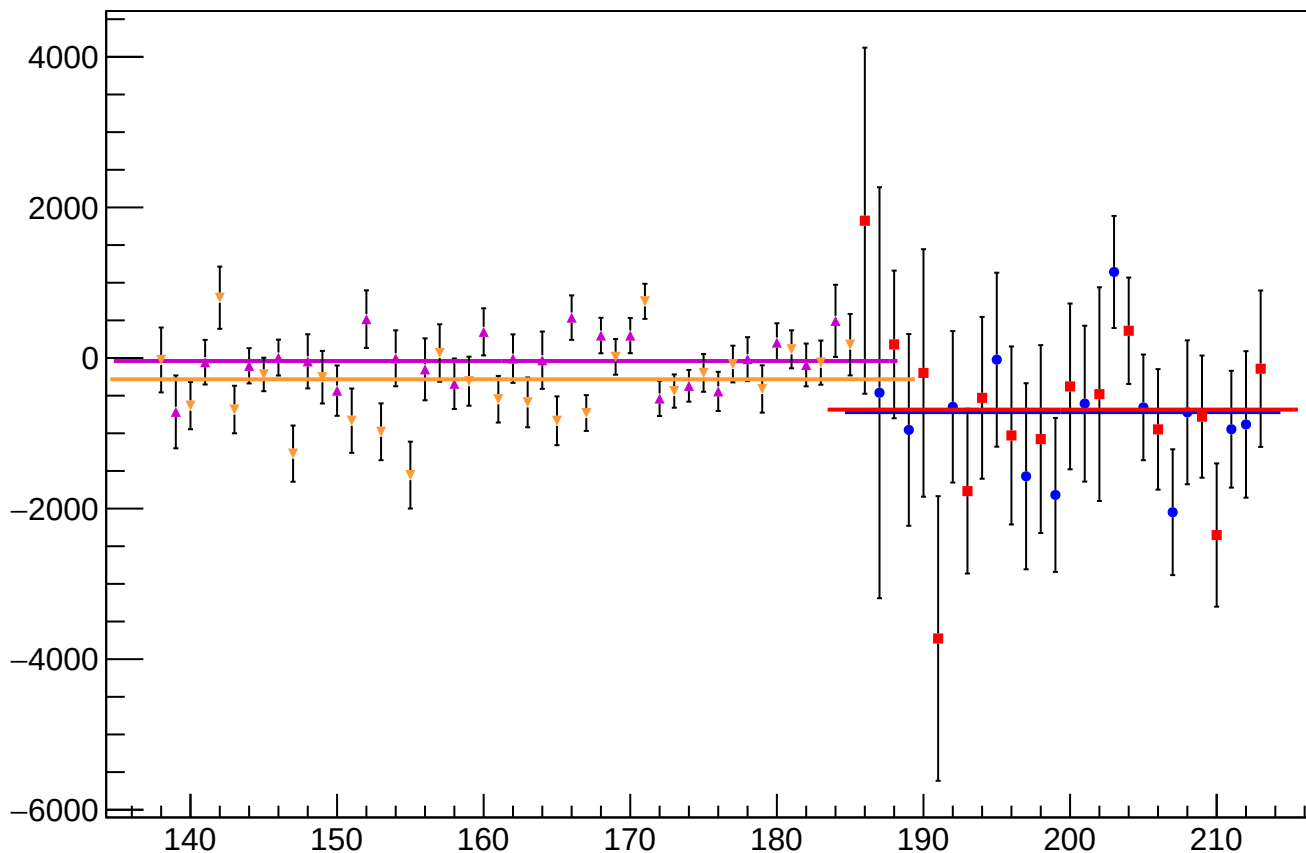
Left In: 47.846+/-0.008 χ^2/NDF : 281790.1/22

+ sign 52.620+/-0.007 χ^2/NDF : 5535018.3/37

All: 53.059+/-0.005 χ^2/NDF : 12472464.9/75

- sign 53.529+/-0.008 χ^2/NDF : 6930334.8/37

asym_sam_1526_avg_correction_mean vs Slug



Right In: -718.358 ± 266.178 χ^2/NDF : 11.0/12

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -685.269 ± 273.447 χ^2/NDF : 11.6/14

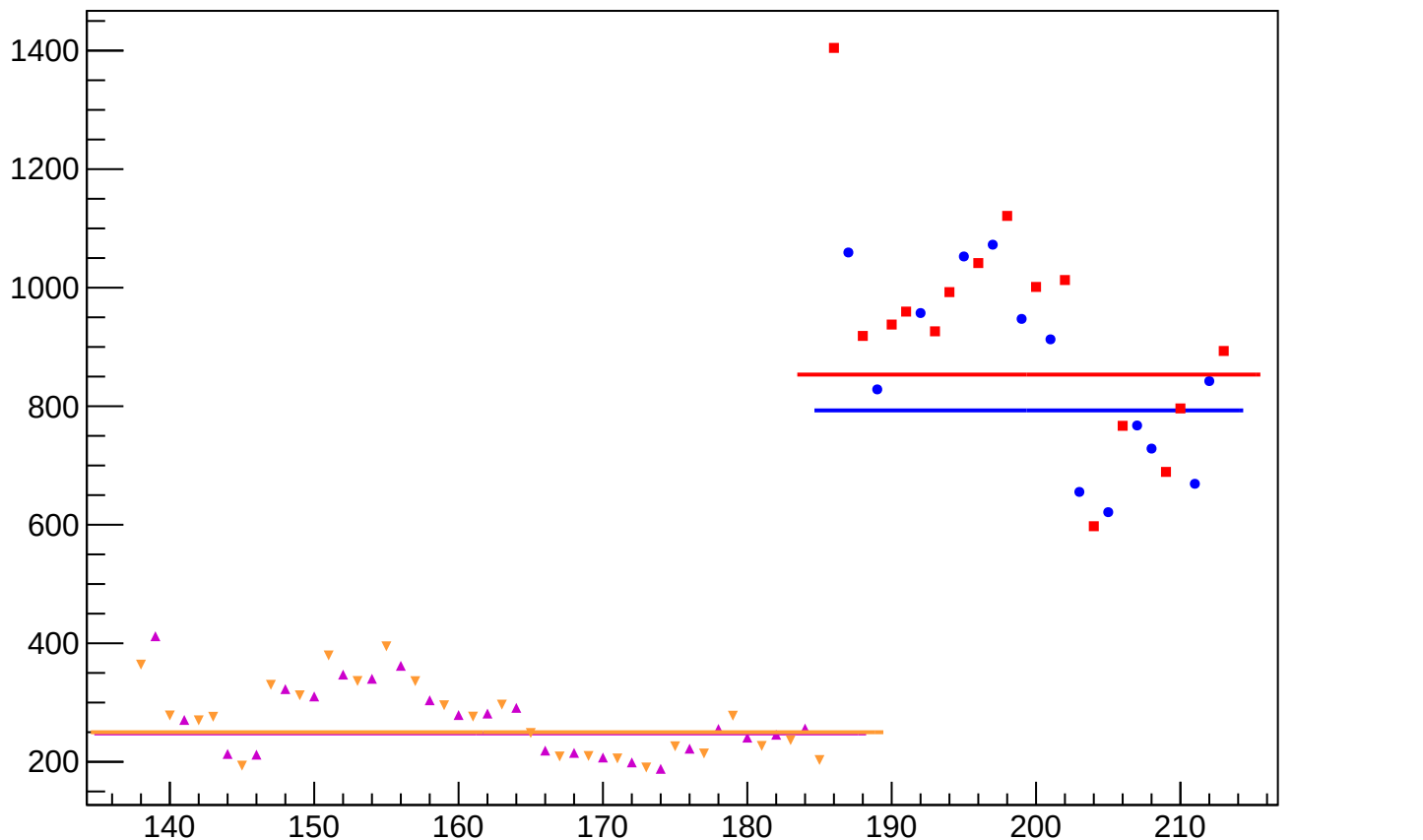
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -303.653 ± 58.243 χ^2/NDF : 80.0/37

All: -188.861 ± 41.557 χ^2/NDF : 132.4/75

- sign -69.817 ± 59.312 χ^2/NDF : 44.4/37

asym_sam_1526_avg_correction_rms vs Slug



Right In: 792.924 $\pm$ 0.188 χ^2 /NDF: 604907.6/12

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF:1614205.9/24

Right Out: 853.382 $\pm$ 0.193 χ^2 /NDF: 759352.6/14

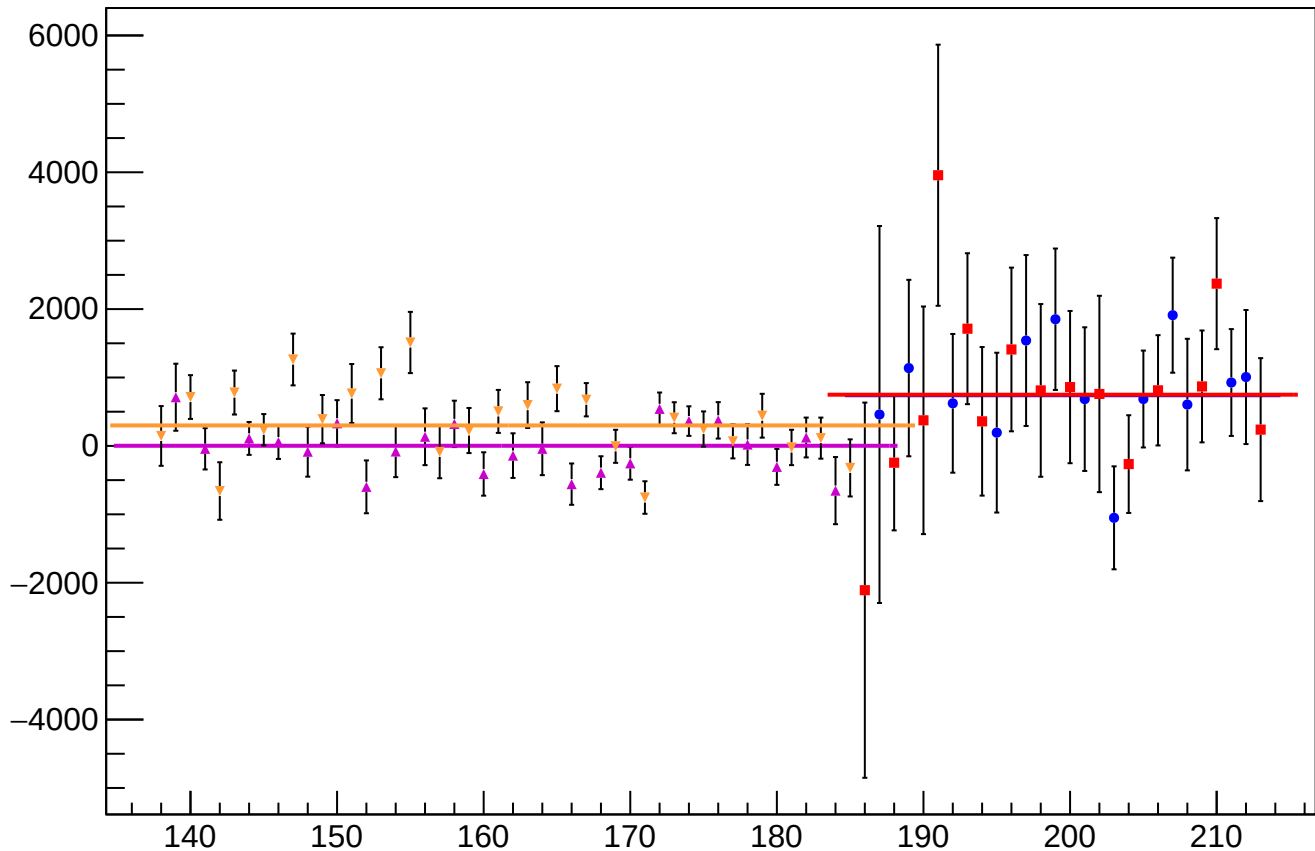
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF:1410847.5/22

+ sign 275.953 $\pm$ 0.041 χ^2 /NDF: 10142743.8/37

All: 276.174 $\pm$ 0.029 χ^2 /NDF: 21656971.9/75

- sign 276.403 $\pm$ 0.042 χ^2 /NDF: 11514169.6/37

asym_sam_1526_avg_mean vs Slug



Right In: 741.034 $\pm$ 268.625 χ^2 /NDF: 9.7/12

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF: 62.5/24

Right Out: 748.614 $\pm$ 276.484 χ^2 /NDF: 11.3/14

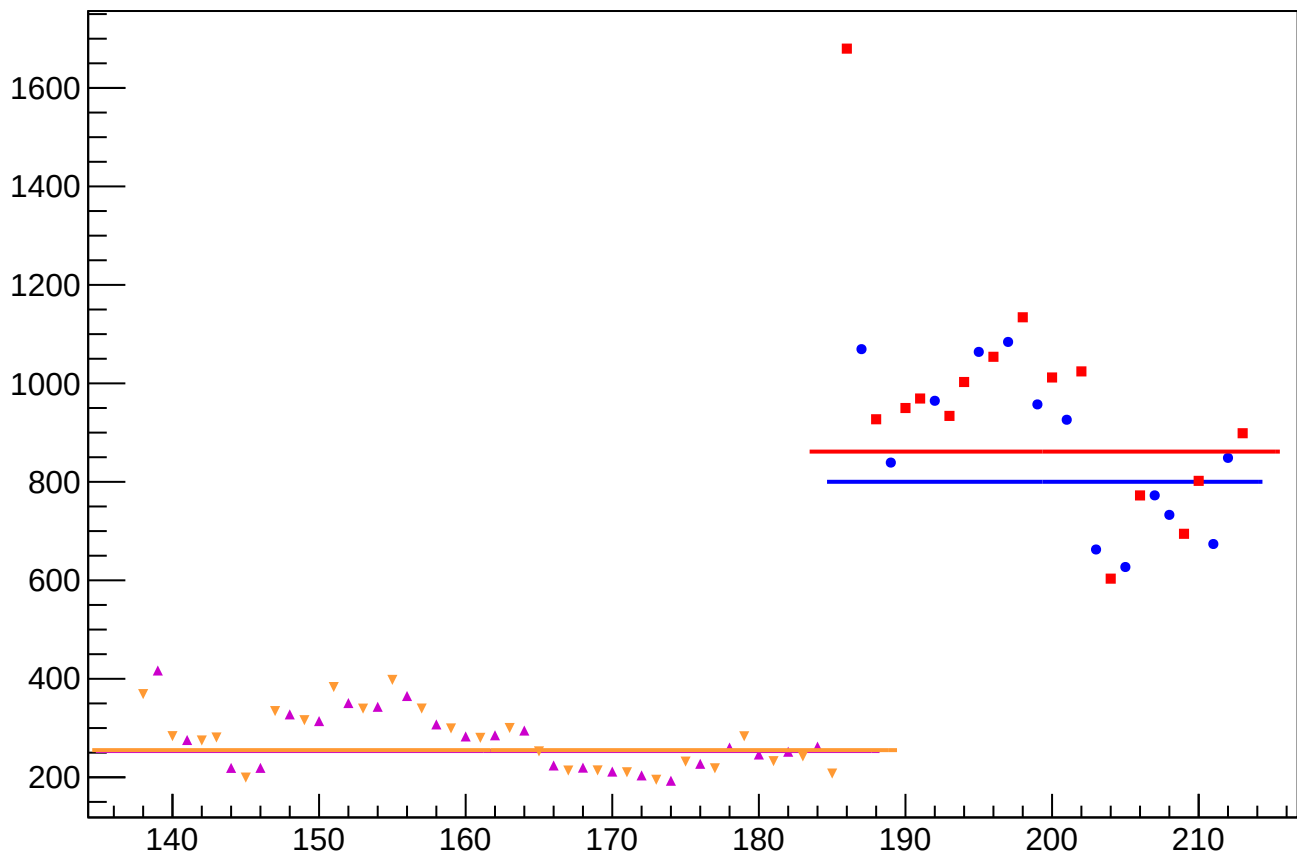
Left In: 2.185 $\pm$ 62.005 χ^2 /NDF: 29.2/22

+ sign 321.116 $\pm$ 59.355 χ^2 /NDF: 74.7/37

All: 182.231 $\pm$ 42.370 χ^2 /NDF: 133.3/75

- sign 37.928 $\pm$ 60.502 χ^2 /NDF: 47.4/37

asym_sam_1526_avg_rms vs Slug



Right In: 800.113+/-0.190 χ^2/NDF : 609416.4/12

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 861.437+/-0.196 χ^2/NDF : 828166.7/14

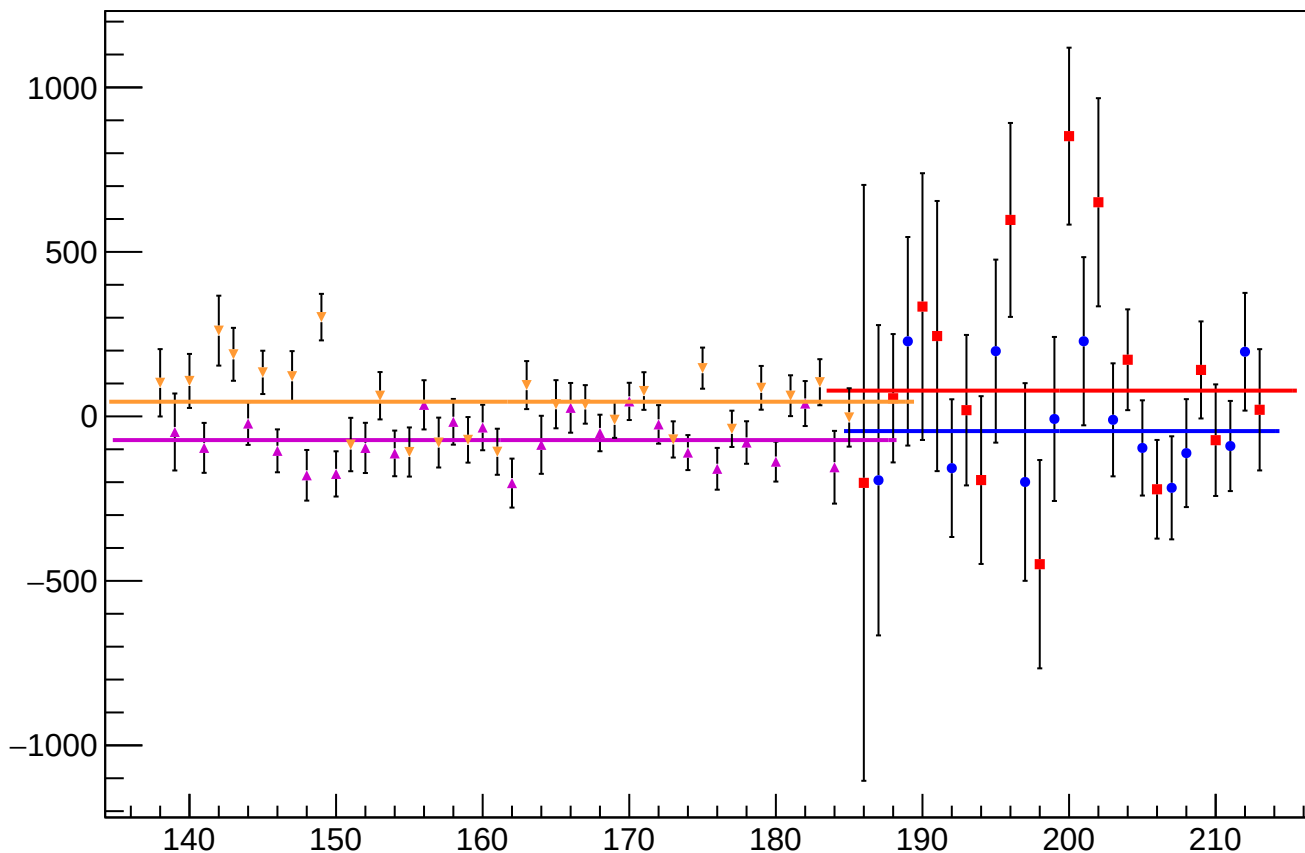
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 281.743+/-0.042 χ^2/NDF : 9981346.2/37

All: 282.069+/-0.030 χ^2/NDF : 21364278.1/75

- sign 282.409+/-0.043 χ^2/NDF : 11382808.5/37

reg_asym_sam_3726_avg_mean vs Slug



Right In: -44.699 ± 54.498 χ^2/NDF : 6.8/12

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 78.317 ± 56.210 χ^2/NDF : 24.7/14

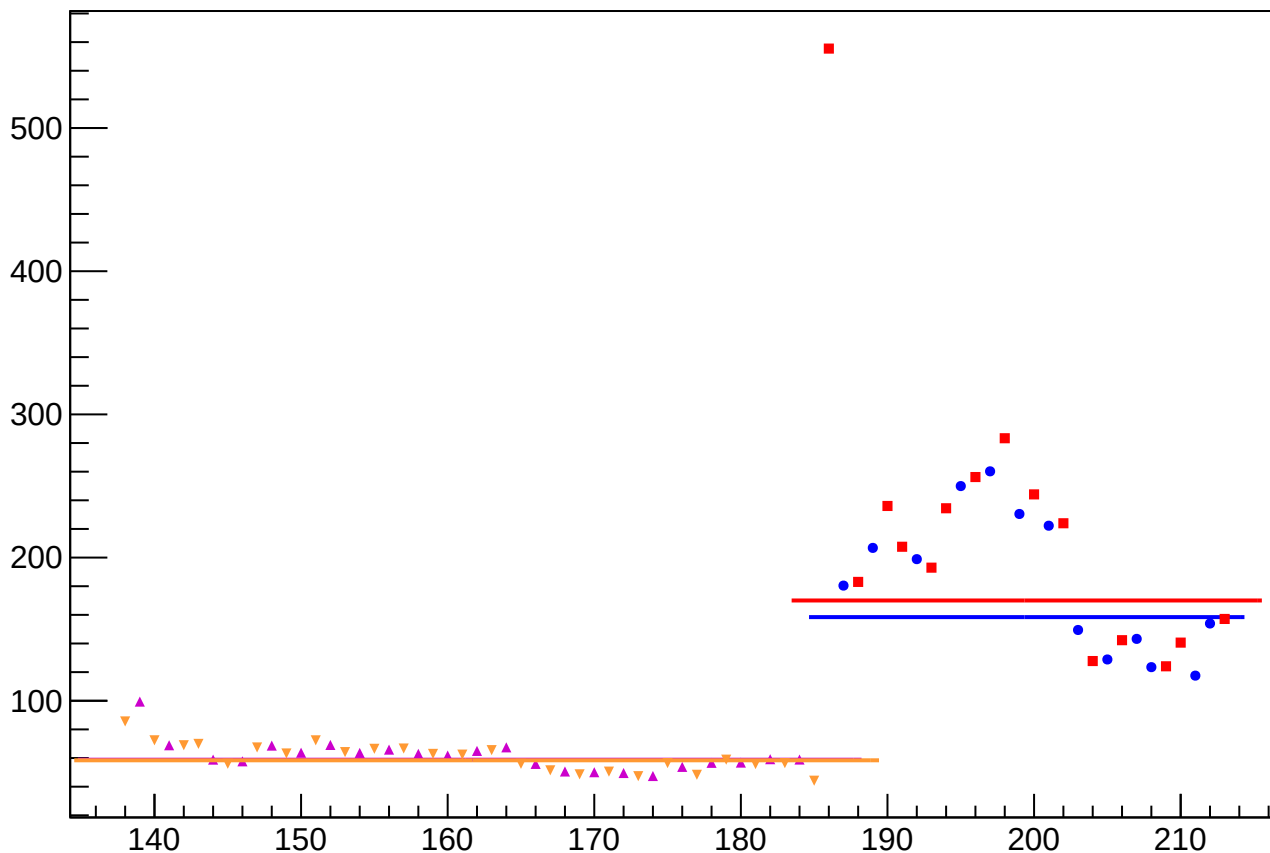
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 39.203 ± 13.400 χ^2/NDF : 63.2/37

All: -10.144 ± 9.632 χ^2/NDF : 148.1/75

- sign -62.902 ± 13.855 χ^2/NDF : 56.8/37

reg_asym_sam_3726_avg_rms vs Slug



Right In: 158.427+/-0.039 χ^2/NDF : 1241288.1/12

Left Out: 58.423+/-0.010 χ^2/NDF : 790091.3/24

Right Out: 170.040+/-0.040 χ^2/NDF : 1710382.8/14

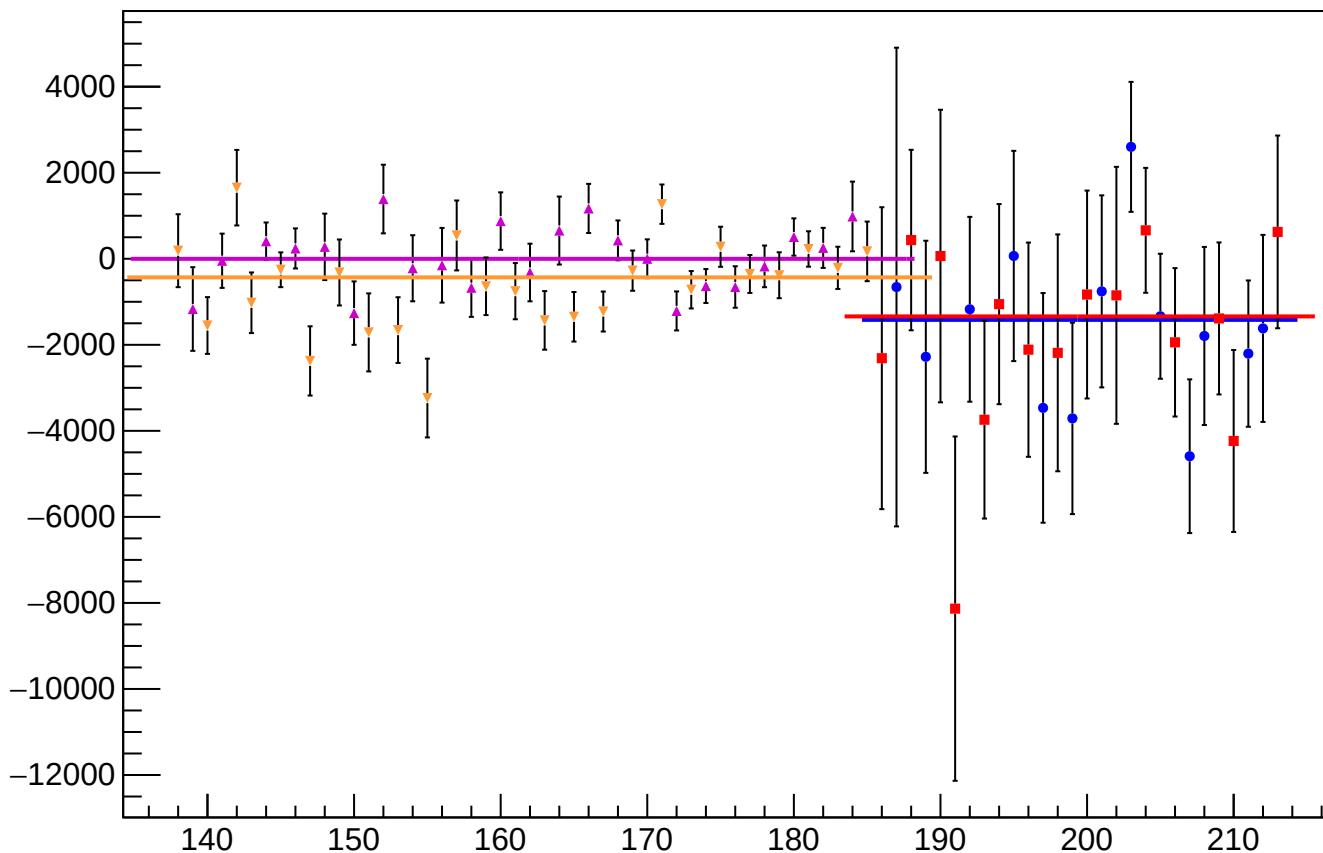
Left In: 58.840+/-0.010 χ^2/NDF : 679925.7/22

+ sign 64.469+/-0.009 χ^2/NDF : 8358799.3/37

All: 65.013+/-0.007 χ^2/NDF : 18107652.6/75

- sign 65.596+/-0.010 χ^2/NDF : 9742013.3/37

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1420.001 $\pm$ 566.809 χ^2 /NDF: 12.7/12

Left Out: -432.330 $\pm$ 114.408 χ^2 /NDF: 59.4/24

Right Out: -1339.714 $\pm$ 581.011 χ^2 /NDF: 9.9/14

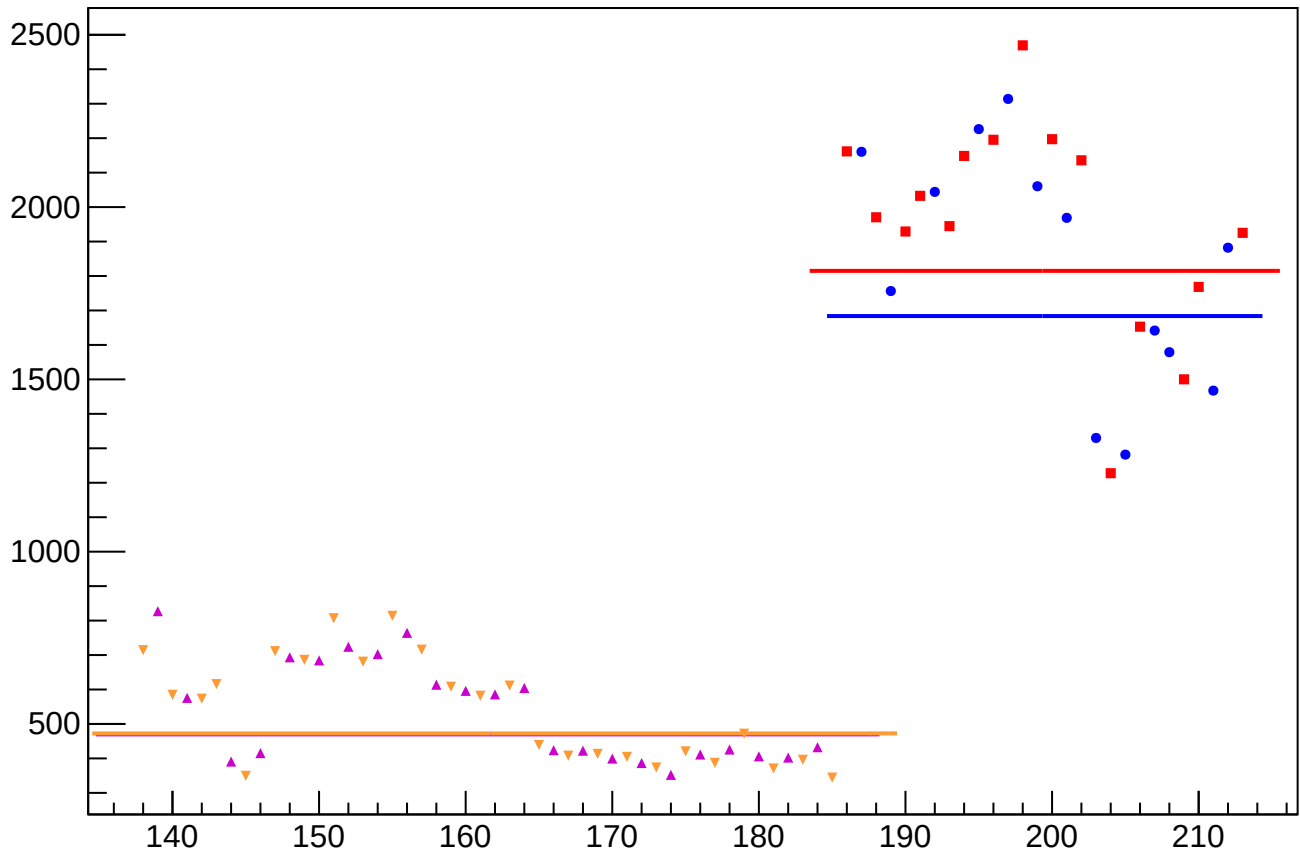
Left In: -1.825 $\pm$ 116.459 χ^2 /NDF: 32.3/22

+ sign -470.994 $\pm$ 112.146 χ^2 /NDF: 75.0/37

All: -266.013 $\pm$ 80.011 χ^2 /NDF: 129.1/75

- sign -53.501 $\pm$ 114.188 χ^2 /NDF: 47.3/37

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1683.787 $\pm$ 0.401 χ^2/NDF : 690463.2/12

Left Out: 472.569 $\pm$ 0.081 χ^2/NDF : 2508168.9/24

Right Out: 1814.939 $\pm$ 0.411 χ^2/NDF : 733291.1/14

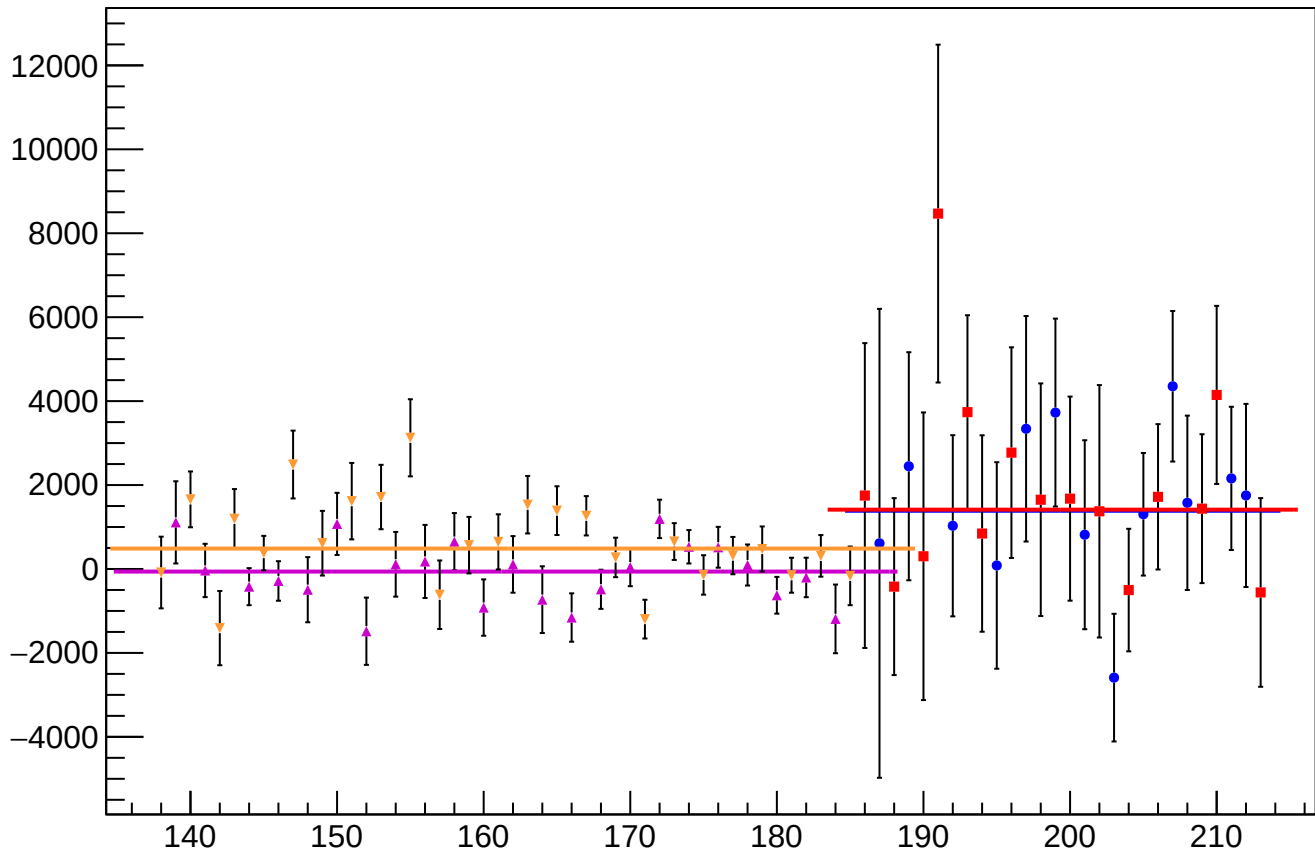
Left In: 469.761 $\pm$ 0.082 χ^2/NDF : 2116885.7/22

+ sign 519.984 $\pm$ 0.079 χ^2/NDF : 11973856.6/37

All: 520.836 $\pm$ 0.057 χ^2/NDF : 25130831.9/75

- sign 521.719 $\pm$ 0.081 χ^2/NDF : 13156740.4/37

asym_sam_3726_avg_mean vs Slug



Right In: 1387.686 $\pm$ 569.868 χ^2 /NDF: 12.0/12

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF: 56.0/24

Right Out: 1413.668 $\pm$ 584.532 χ^2 /NDF: 9.5/14

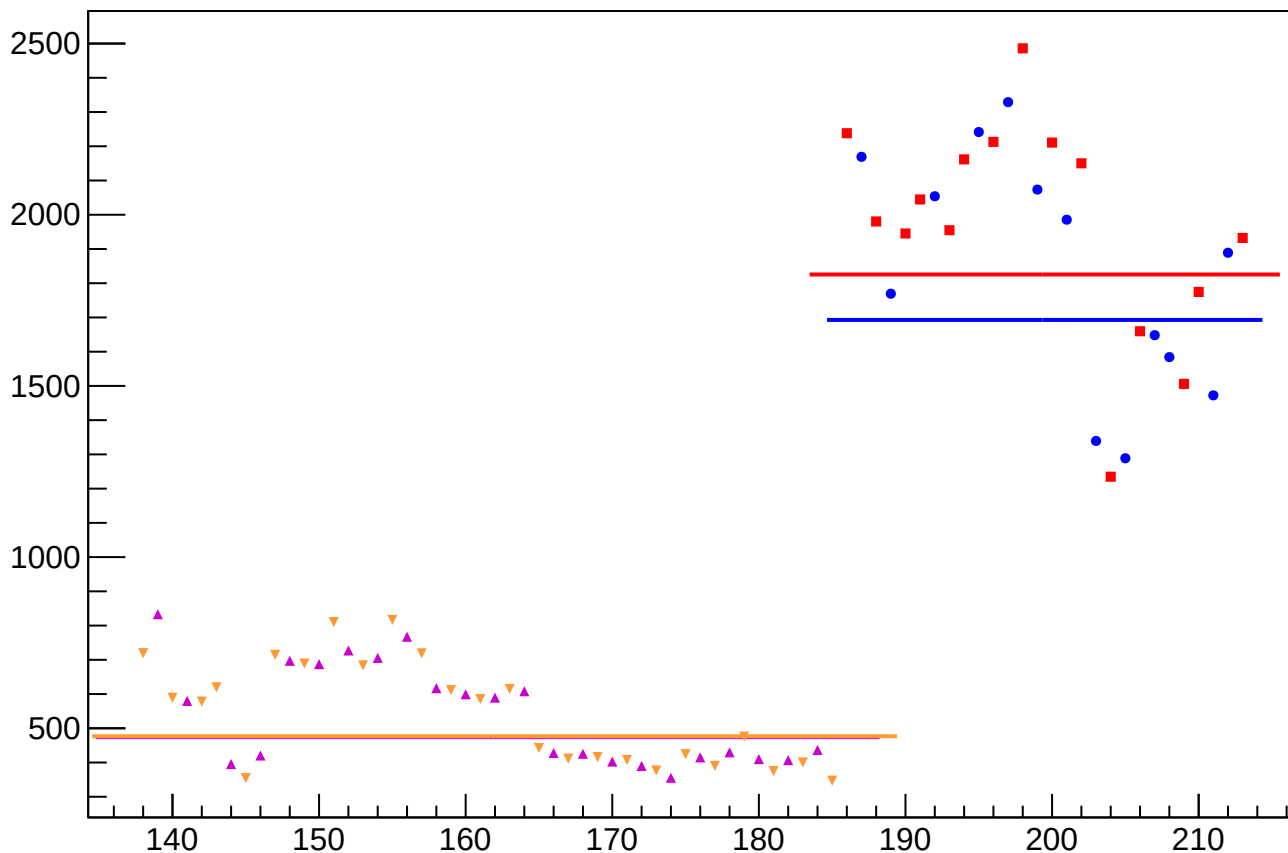
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF: 31.2/22

+ sign 522.107 $\pm$ 113.054 χ^2 /NDF: 70.4/37

All: 263.626 $\pm$ 80.671 χ^2 /NDF: 127.8/75

- sign -4.520 $\pm$ 115.147 χ^2 /NDF: 46.8/37

asym_sam_3726_avg_rms vs Slug



Right In: 1692.769+/-0.403 χ^2/NDF : 692655.6/12

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 1825.504+/-0.413 χ^2/NDF : 743492.7/14

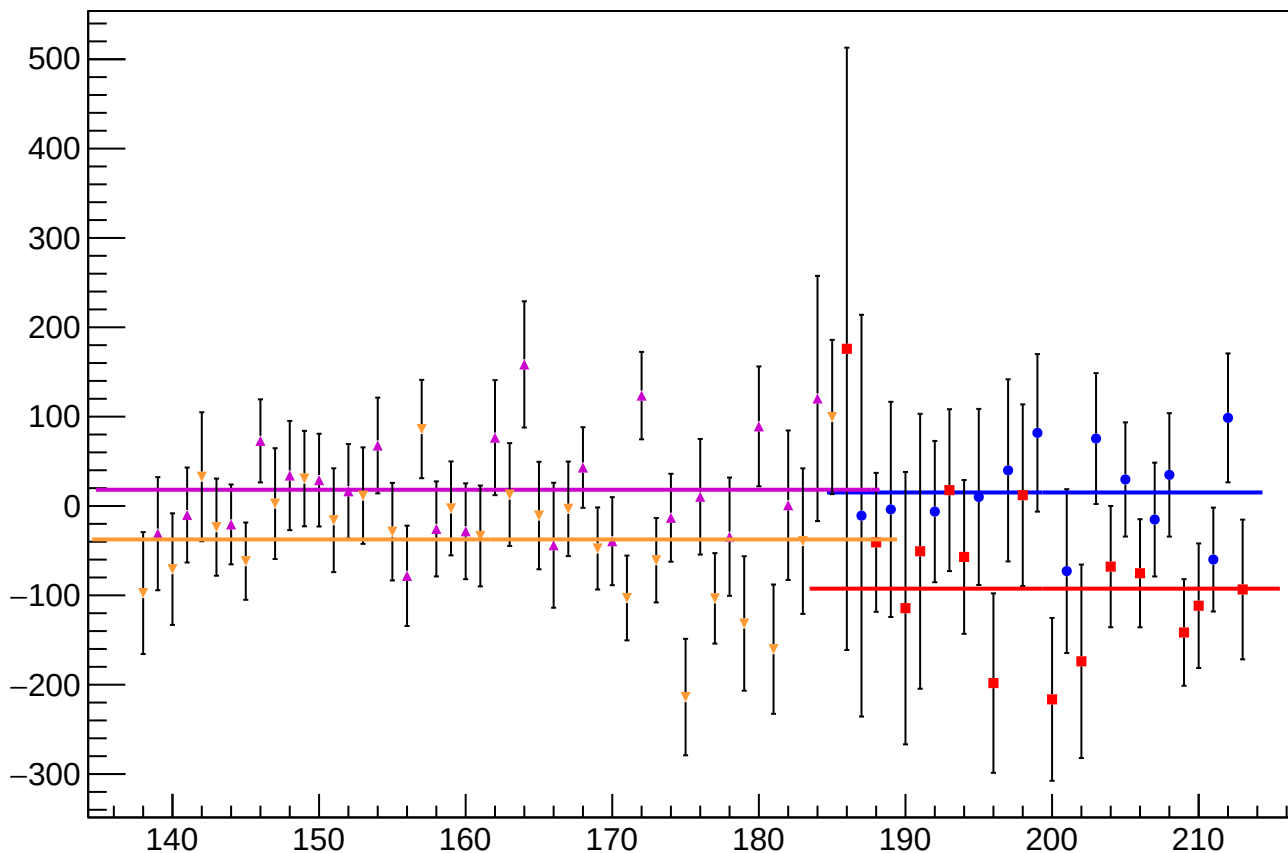
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 524.551+/-0.080 χ^2/NDF : 11914574.7/37

All: 525.473+/-0.057 χ^2/NDF : 25022545.4/75

- sign 526.430+/-0.081 χ^2/NDF : 13107699.7/37

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 15.160 $\pm$ 21.973 χ^2 /NDF: 5.7/12

Left Out: -37.413 $\pm$ 11.390 χ^2 /NDF:30.5/24

Right Out: -92.516 $\pm$ 22.040 χ^2 /NDF: 8.4/14

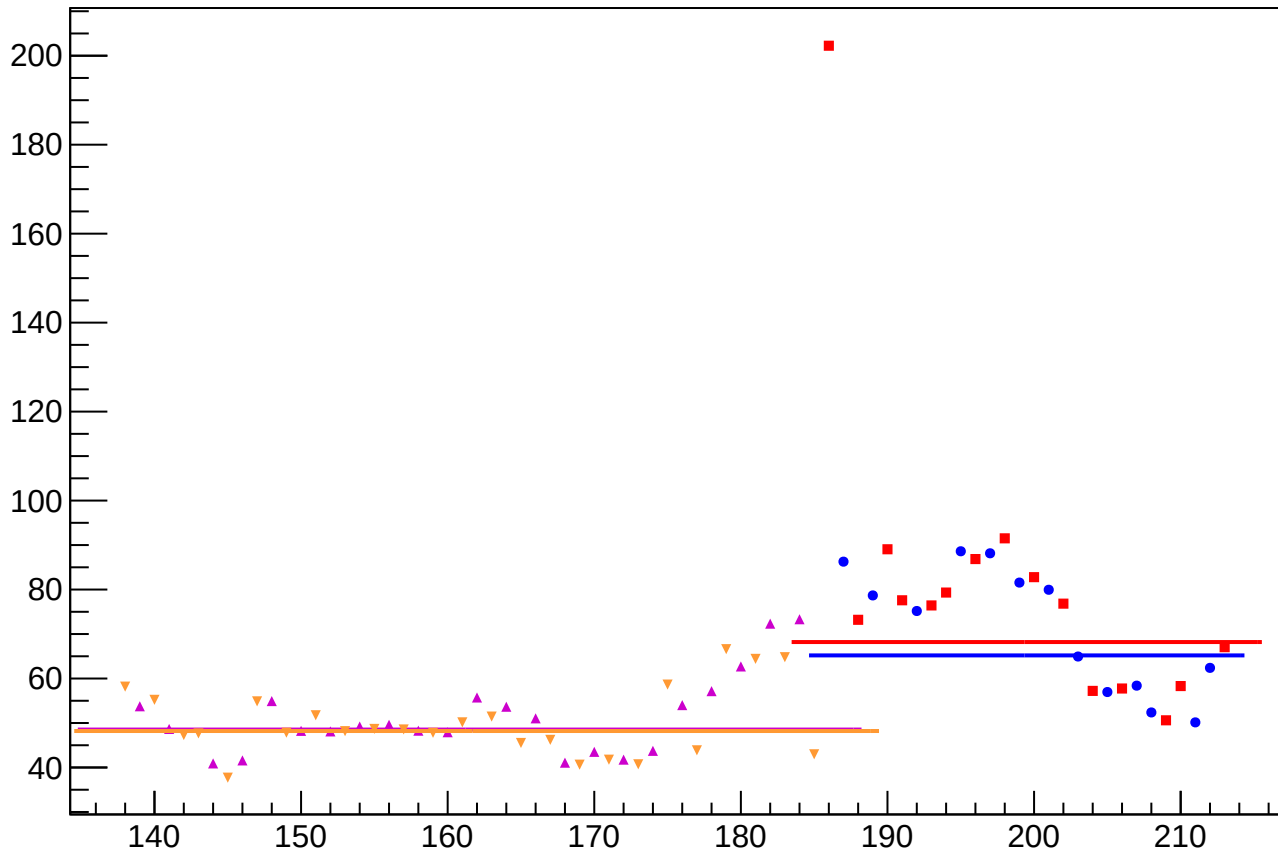
Left In: 18.210 $\pm$ 11.788 χ^2 /NDF:23.0/22

+ sign -26.279 $\pm$ 10.112 χ^2 /NDF: 40.7/37

All: -16.622 $\pm$ 7.248 χ^2 /NDF: 93.6/75

- sign -6.419 $\pm$ 10.394 χ^2 /NDF: 51.0/37

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 65.197 ± 0.016 χ^2/NDF : 671625.8/12

Left Out: 48.200 ± 0.008 χ^2/NDF : 750196.2/24

Right Out: 68.199 ± 0.016 χ^2/NDF : 984152.9/14

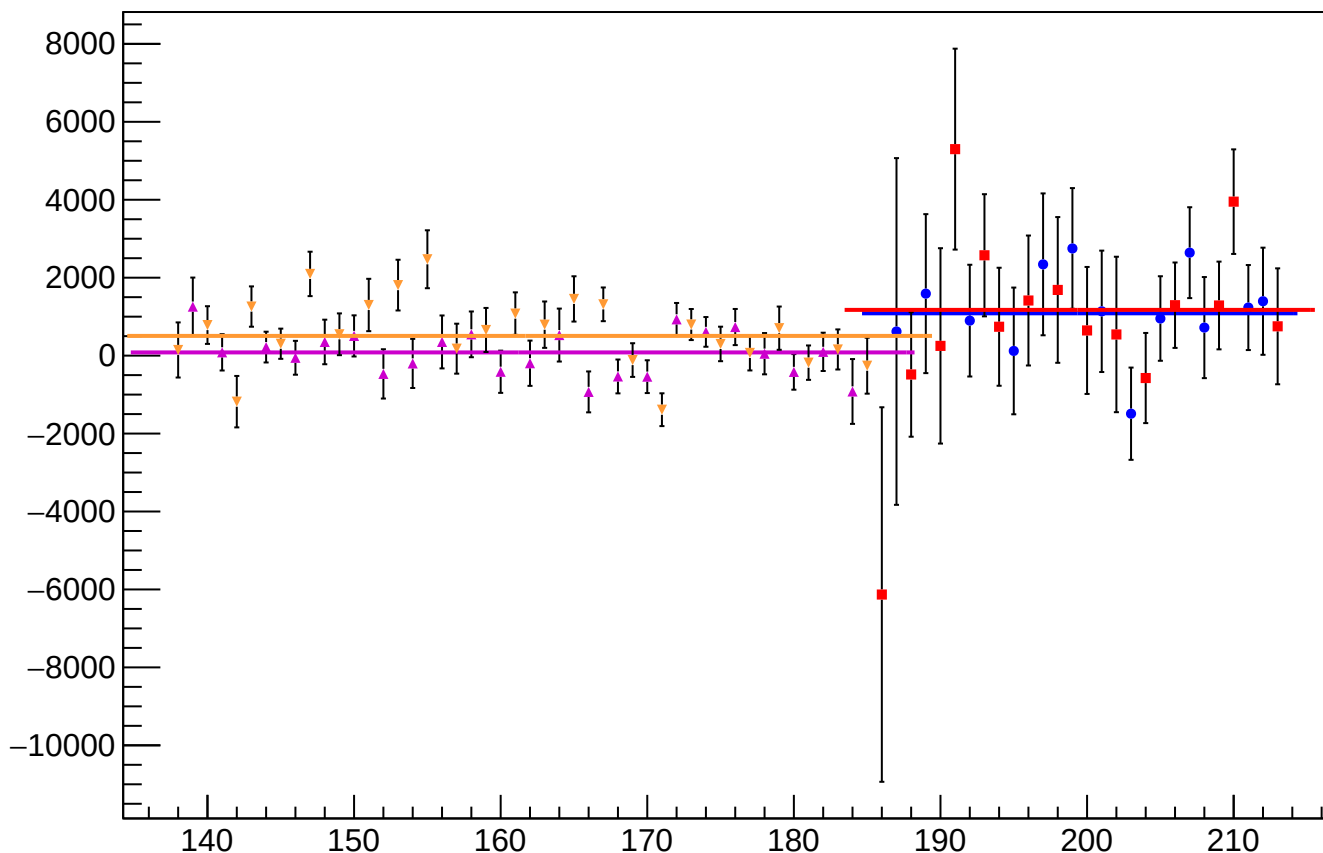
Left In: 48.527 ± 0.008 χ^2/NDF : 675340.8/22

+ sign 51.799 ± 0.007 χ^2/NDF : 2365108.1/37

All: 52.336 ± 0.005 χ^2/NDF : 5275192.8/75

- sign 52.902 ± 0.007 χ^2/NDF : 2898511.1/37

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1085.742 $\pm$ 390.732 χ^2/NDF : 8.8/12

Left Out: 506.205 $\pm$ 103.468 χ^2/NDF : 65.7/24

Right Out: 1173.868 $\pm$ 400.372 χ^2/NDF : 13.9/14

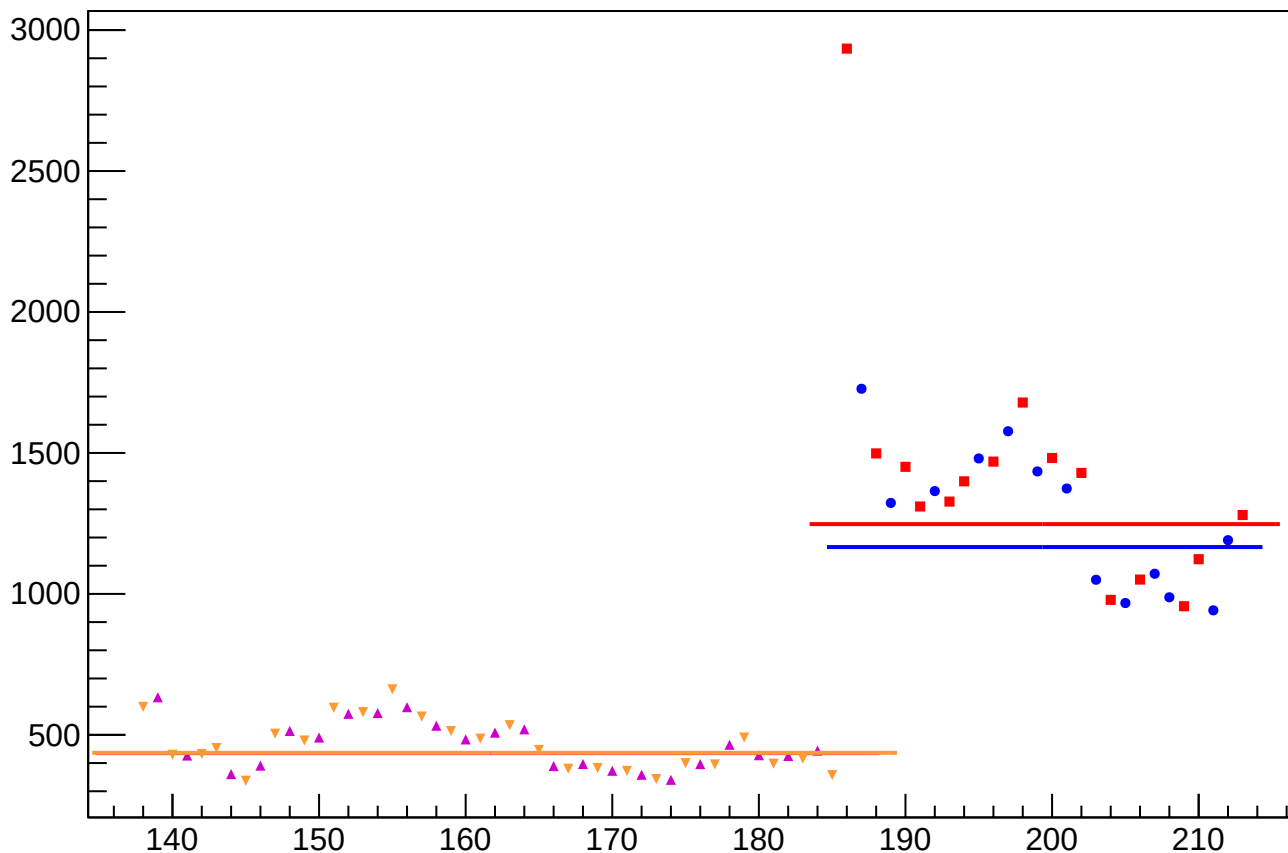
Left In: 82.421 $\pm$ 105.935 χ^2/NDF : 25.3/22

+ sign 544.180 $\pm$ 100.020 χ^2/NDF : 76.5/37

All: 353.616 $\pm$ 71.555 χ^2/NDF : 130.2/75

- sign 153.832 $\pm$ 102.411 χ^2/NDF : 46.2/37

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1166.184+/-0.276 χ^2/NDF : 576651.7/12

Left Out: 436.301+/-0.073 χ^2/NDF : 1179348.4/24

Right Out: 1247.572+/-0.283 χ^2/NDF : 859393.8/14

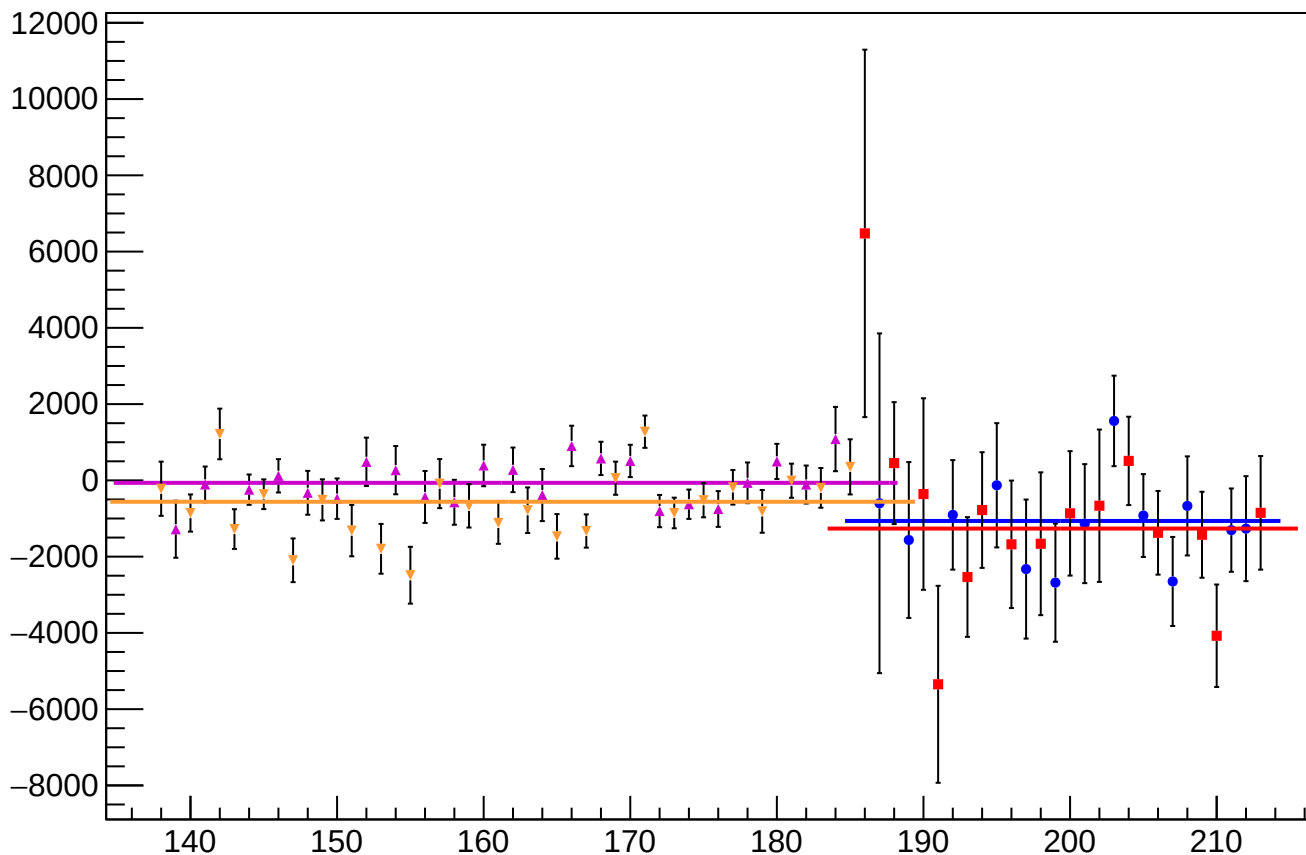
Left In: 435.275+/-0.075 χ^2/NDF : 1027713.1/22

+ sign 484.128+/-0.071 χ^2/NDF : 8277469.1/37

All: 486.225+/-0.051 χ^2/NDF : 17860225.0/75

- sign 488.422+/-0.072 χ^2/NDF : 9580956.5/37

asym_sam_15_48_dd_mean vs Slug



Right In: -1064.303+/-391.389 χ^2/NDF : 8.9/12

Left Out: -560.684+/-104.207 χ^2/NDF : 61.8/24

Right Out: -1263.890+/-401.026 χ^2/NDF : 14.2/14

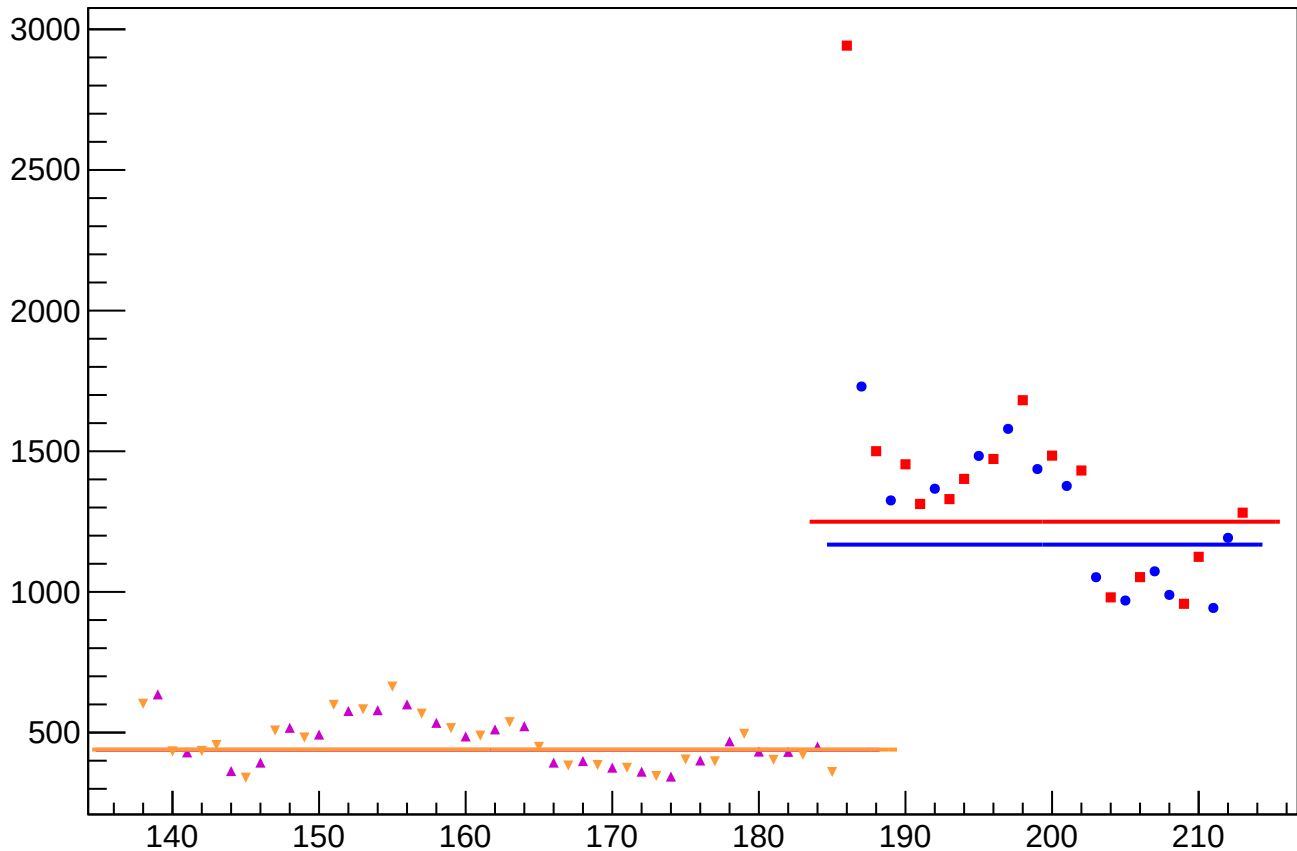
Left In: -64.594+/-106.708 χ^2/NDF : 25.2/22

+ sign -594.022+/-100.699 χ^2/NDF : 72.2/37

All: -374.302+/-72.045 χ^2/NDF : 129.7/75

- sign -143.892+/-103.119 χ^2/NDF : 47.7/37

asym_sam_15_48_dd_rms vs Slug



Right In: 1168.135+/-0.277 χ^2/NDF : 577077.3/12

Left Out: 439.527+/-0.074 χ^2/NDF : 1163352.8/24

Right Out: 1249.588+/-0.284 χ^2/NDF : 860086.6/14

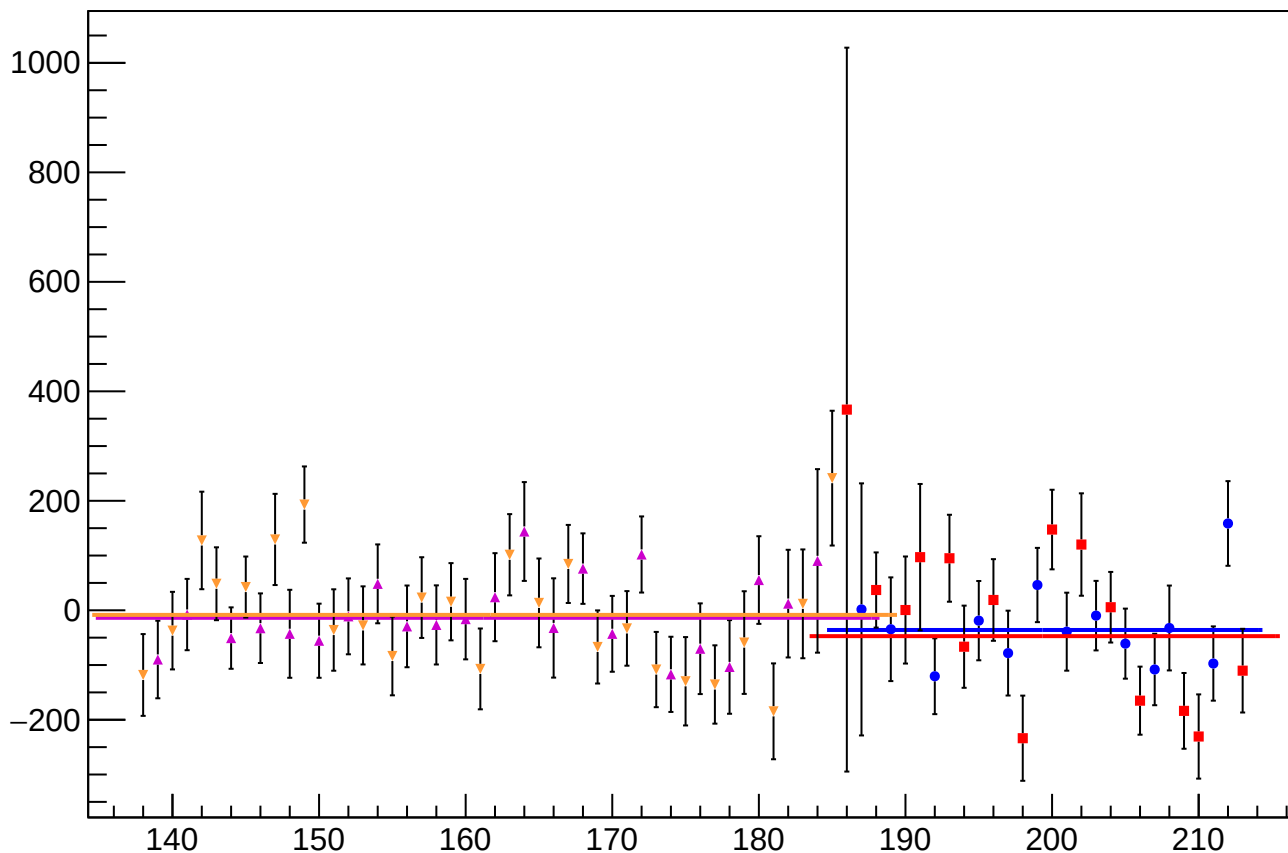
Left In: 438.548+/-0.075 χ^2/NDF : 1013071.4/22

+ sign 487.758+/-0.071 χ^2/NDF : 8212713.2/37

All: 489.914+/-0.051 χ^2/NDF : 17727185.6/75

- sign 492.174+/-0.073 χ^2/NDF : 9512594.8/37

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -35.977 ± 20.464 χ^2/NDF : 12.0/12

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -47.234 ± 20.380 χ^2/NDF : 38.0/14

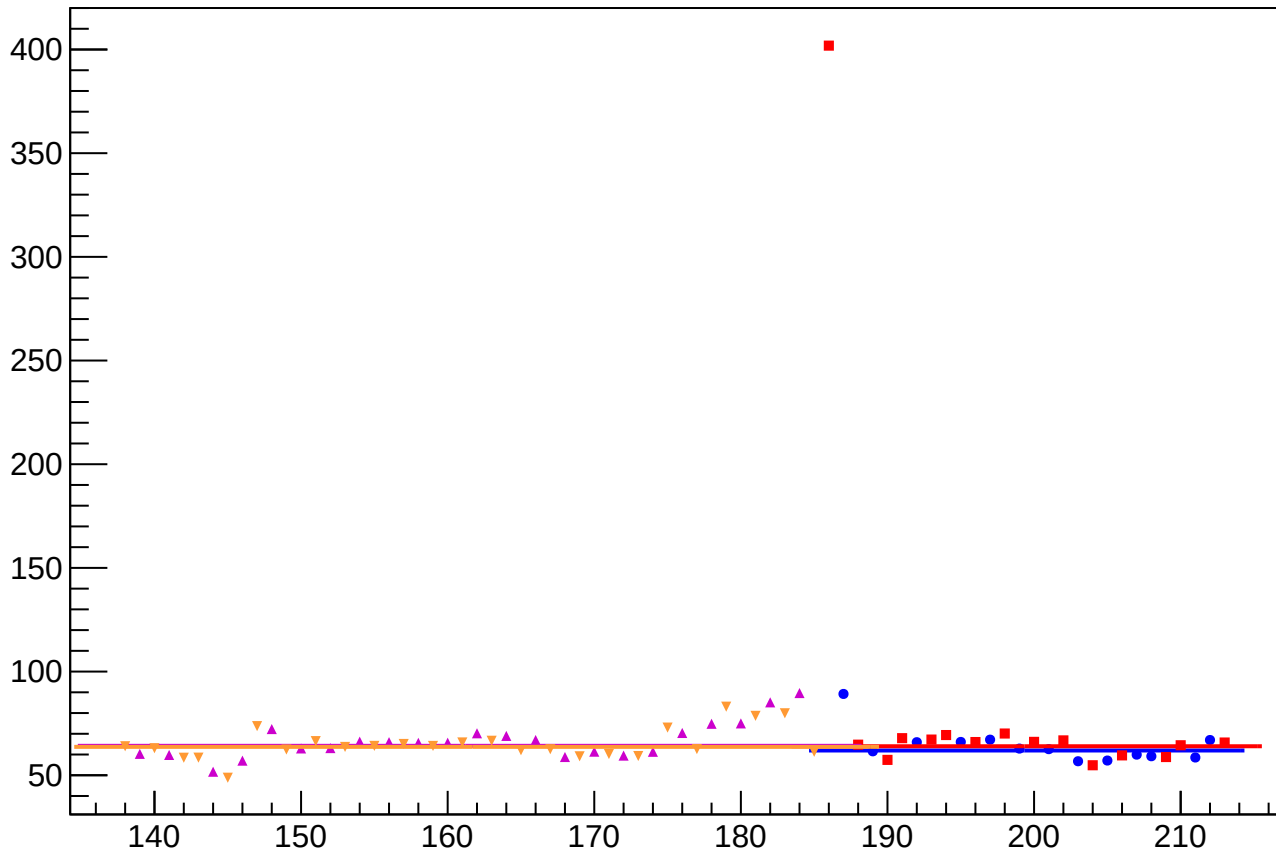
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -17.994 ± 12.064 χ^2/NDF : 54.8/37

All: -21.902 ± 8.622 χ^2/NDF : 111.0/75

- sign -25.981 ± 12.326 χ^2/NDF : 56.0/37

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.941 $\pm$ 0.014 χ^2 /NDF: 93568.4/12

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 63.986 $\pm$ 0.014 χ^2 /NDF: 627296.7/14

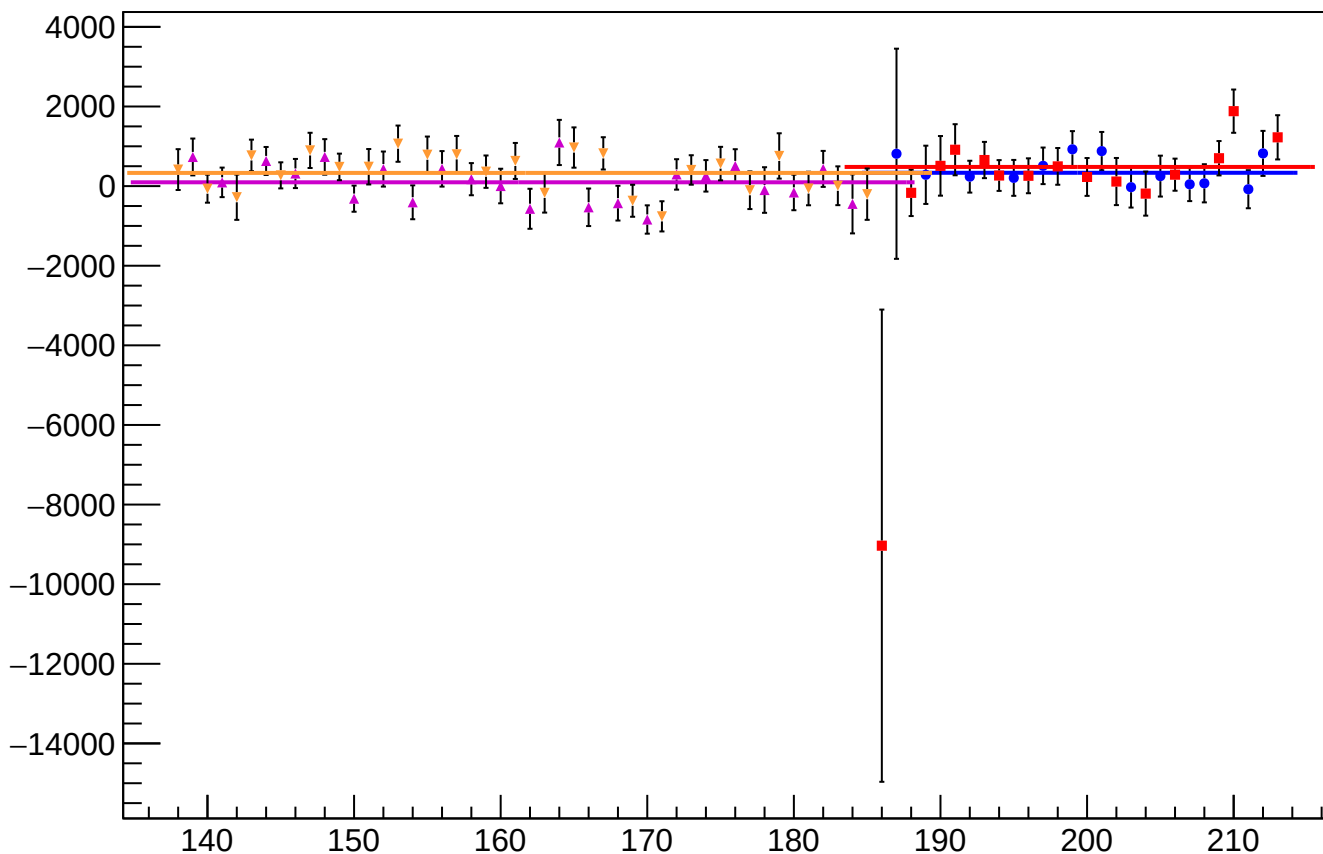
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.086 $\pm$ 0.009 χ^2 /NDF: 551606.1/37

All: 63.589 $\pm$ 0.006 χ^2 /NDF: 1615815.3/75

- sign 64.115 $\pm$ 0.009 χ^2 /NDF: 1057092.9/37

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 334.953 $\pm$ 138.557 χ^2/NDF : 6.1/12

Left Out: 331.739 $\pm$ 86.071 χ^2/NDF :29.9/24

Right Out: 481.839 $\pm$ 132.140 χ^2/NDF : 16.0/14

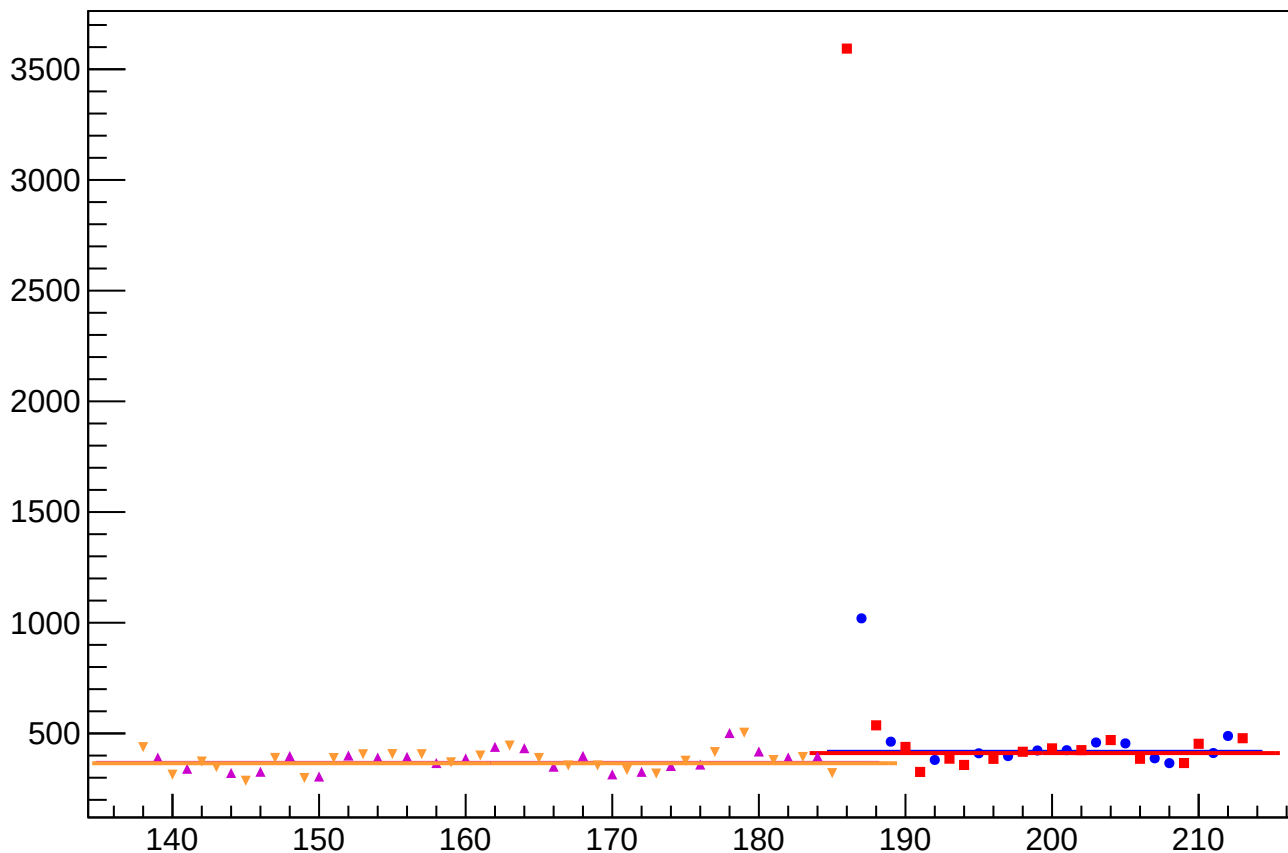
Left In: 95.910 $\pm$ 88.656 χ^2/NDF :28.7/22

+ sign 332.634 $\pm$ 73.113 χ^2/NDF : 35.9/37

All: 274.575 $\pm$ 51.877 χ^2/NDF : 87.8/75

- sign 215.706 $\pm$ 73.621 χ^2/NDF : 50.6/37

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 416.917 $\pm$ 0.098 χ^2 /NDF: 222927.5/12

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 411.204 $\pm$ 0.093 χ^2 /NDF: 856611.3/14

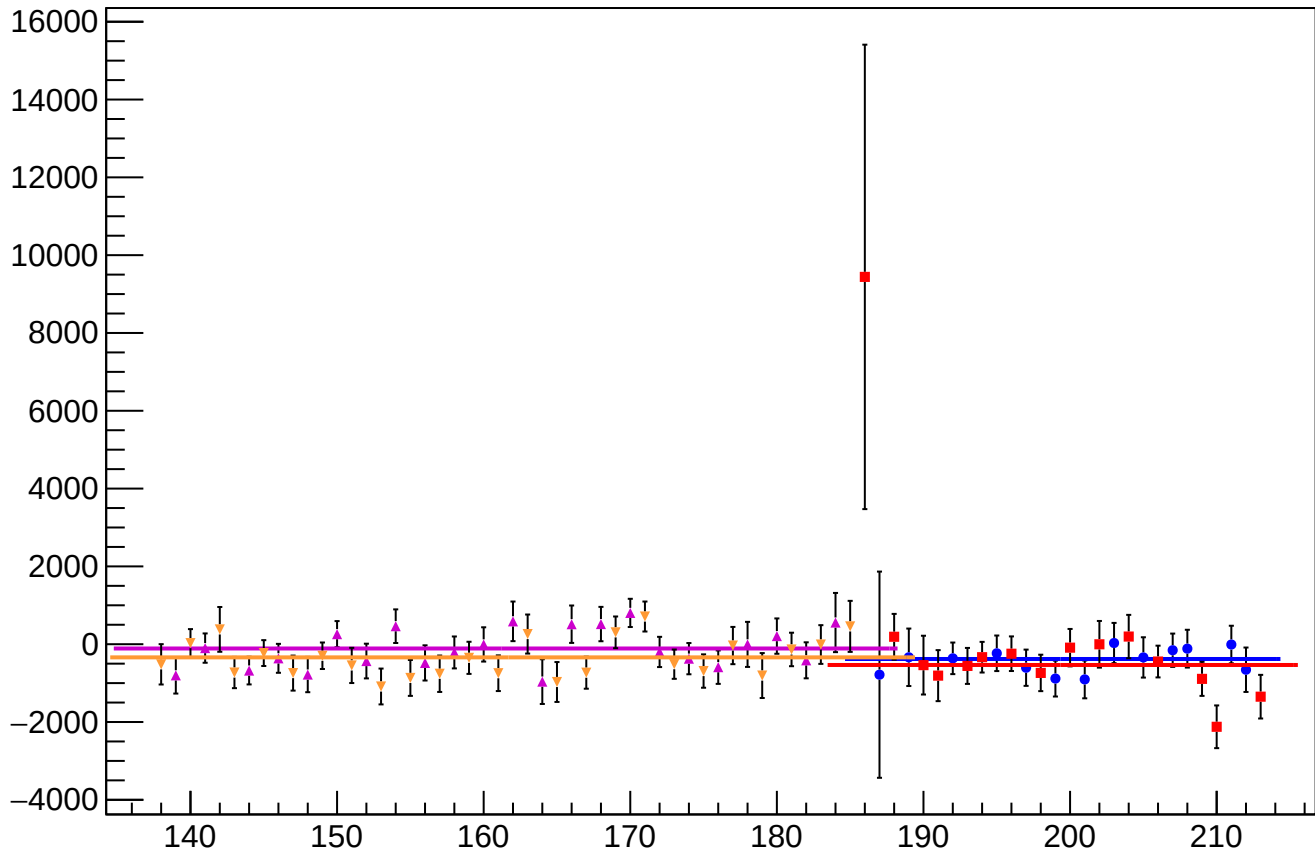
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 379.712 $\pm$ 0.052 χ^2 /NDF: 1041232.4/37

All: 380.187 $\pm$ 0.037 χ^2 /NDF: 2530959.2/75

- sign 380.669 $\pm$ 0.052 χ^2 /NDF: 1489556.5/37

asym_sam_37_48_dd_mean vs Slug



Right In: -380.072 ± 140.190 χ^2/NDF : 4.8/12

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -534.082 ± 133.887 χ^2/NDF : 19.9/14

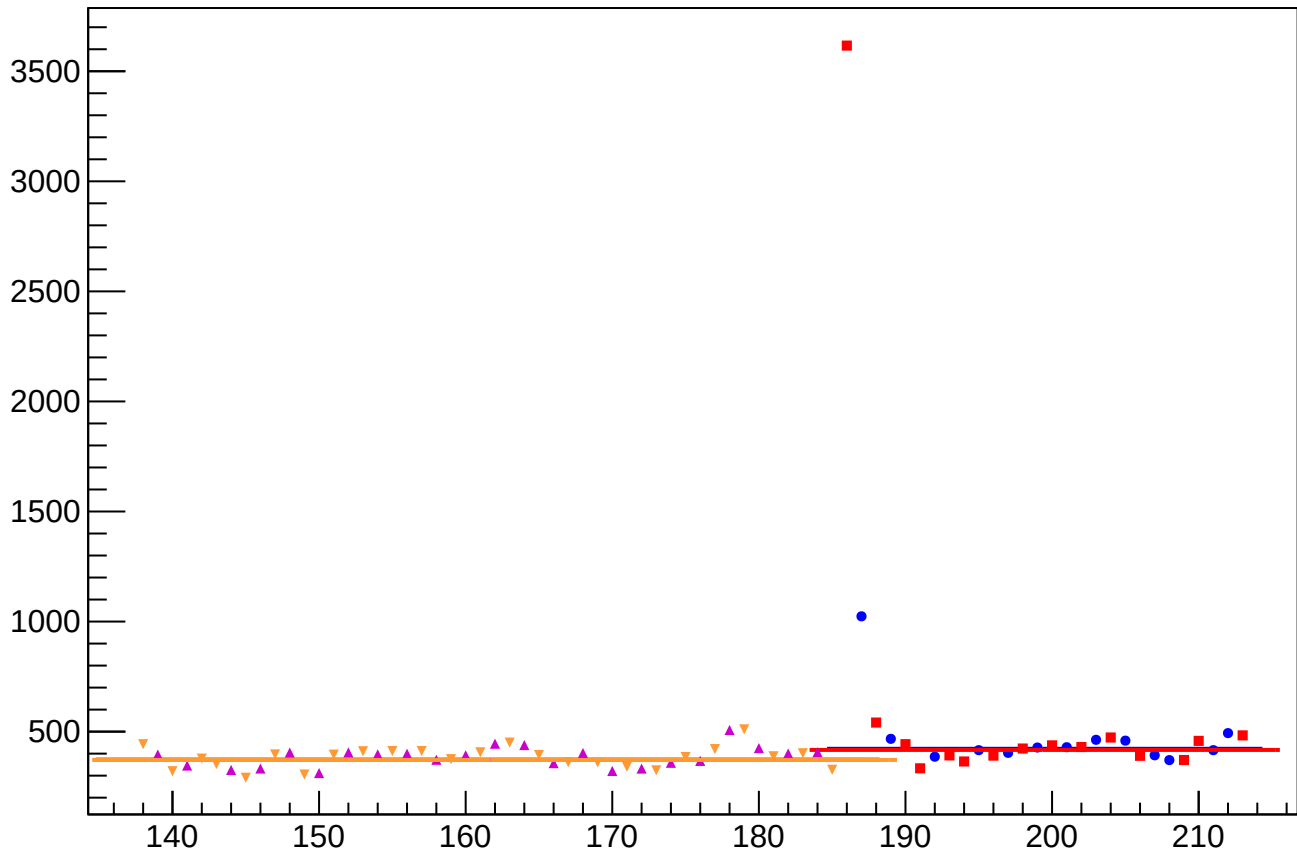
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -350.166 ± 74.198 χ^2/NDF : 33.0/37

All: -296.671 ± 52.657 χ^2/NDF : 90.1/75

- sign -242.391 ± 74.741 χ^2/NDF : 56.0/37

asym_sam_37_48_dd_rms vs Slug



Right In: 421.953 $\pm$ 0.099 χ^2 /NDF: 216625.1/12

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 416.844 $\pm$ 0.095 χ^2 /NDF: 842051.6/14

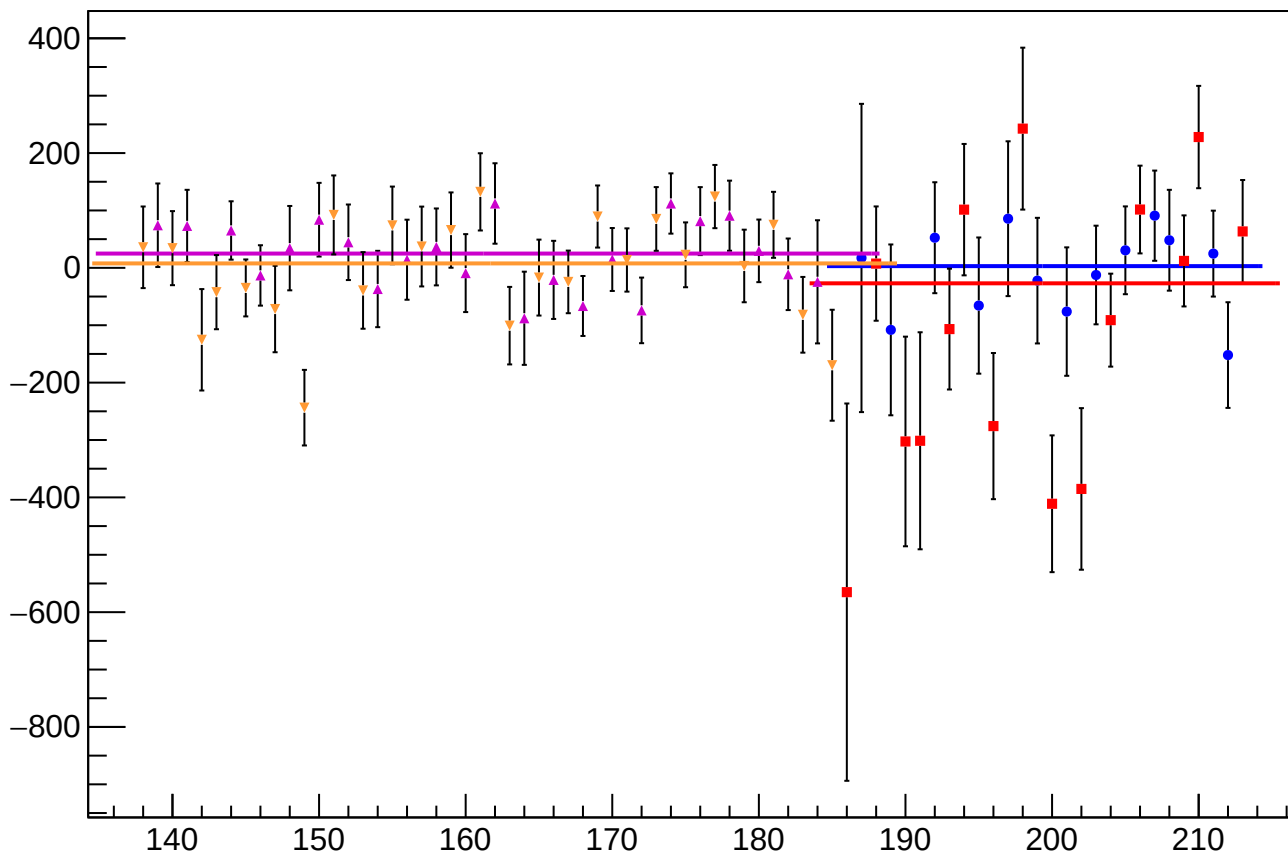
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 385.529 $\pm$ 0.052 χ^2 /NDF: 1008242.0/37

All: 386.071 $\pm$ 0.037 χ^2 /NDF: 2465905.0/75

- sign 386.620 $\pm$ 0.053 χ^2 /NDF: 1457448.4/37

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 2.996 ± 27.222 χ^2/NDF : 6.7/12

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -26.972 ± 27.734 χ^2/NDF : 46.2/14

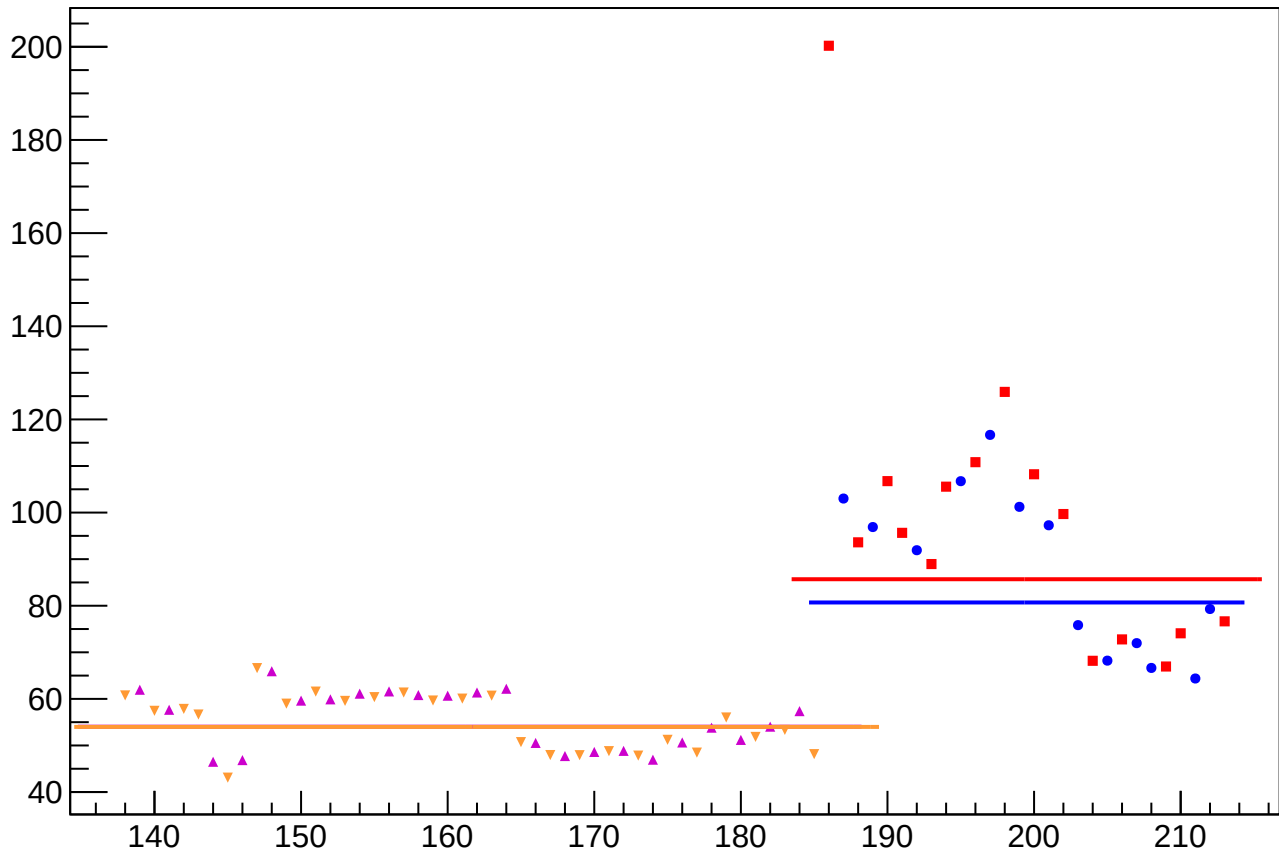
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 6.883 ± 11.476 χ^2/NDF : 52.1/37

All: 11.080 ± 8.224 χ^2/NDF : 121.2/75

- sign 15.512 ± 11.792 χ^2/NDF : 68.8/37

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 80.701 $\pm$ 0.019 χ^2 /NDF: 648403.9/12

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 85.690 $\pm$ 0.020 χ^2 /NDF: 997945.8/14

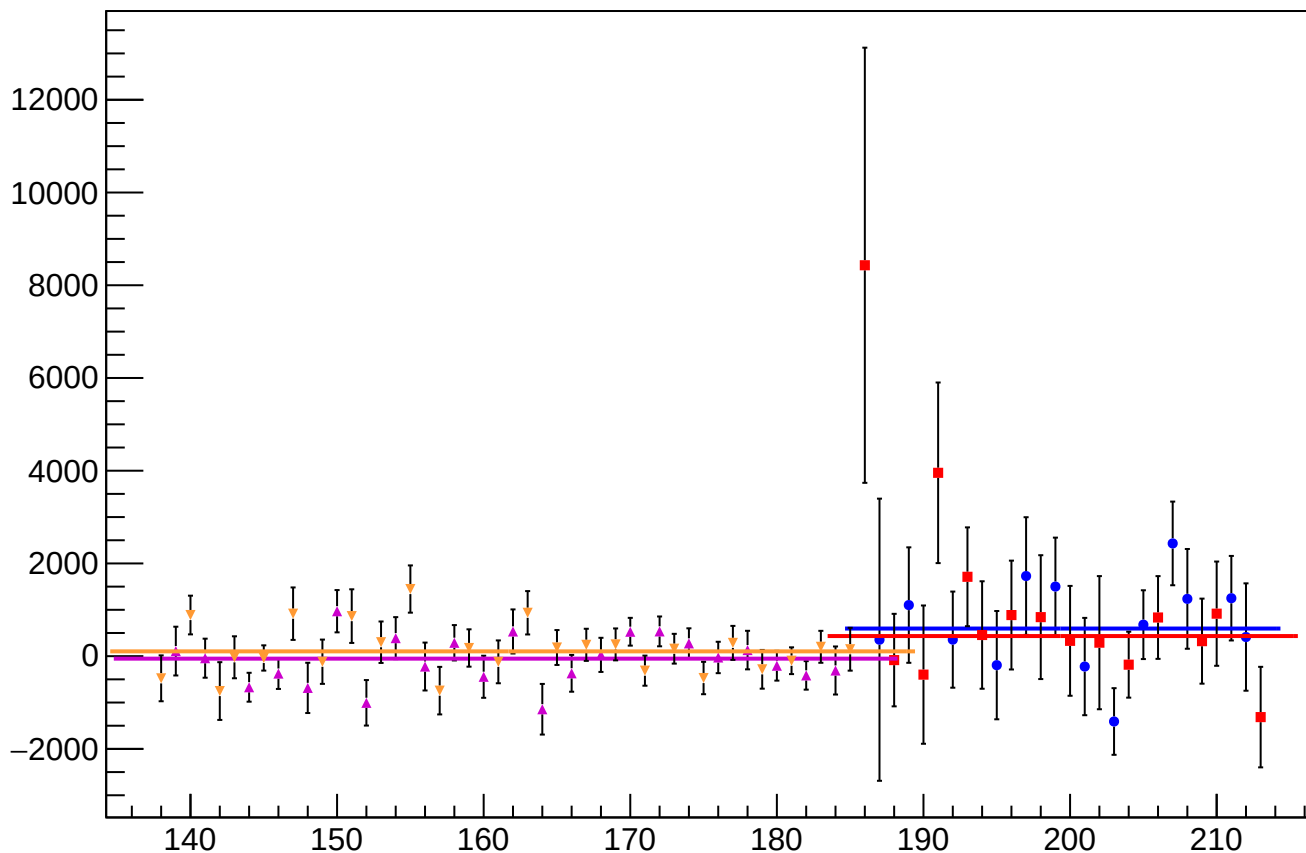
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 58.732 $\pm$ 0.008 χ^2 /NDF: 2691479.9/37

All: 59.228 $\pm$ 0.006 χ^2 /NDF: 6276365.6/75

- sign 59.752 $\pm$ 0.008 χ^2 /NDF: 3577201.0/37

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 595.886 $\pm$ 281.308 χ^2/NDF : 15.6/12

Left Out: 103.768 $\pm$ 79.344 χ^2/NDF : 31.0/24

Right Out: 433.832 $\pm$ 289.449 χ^2/NDF : 12.2/14

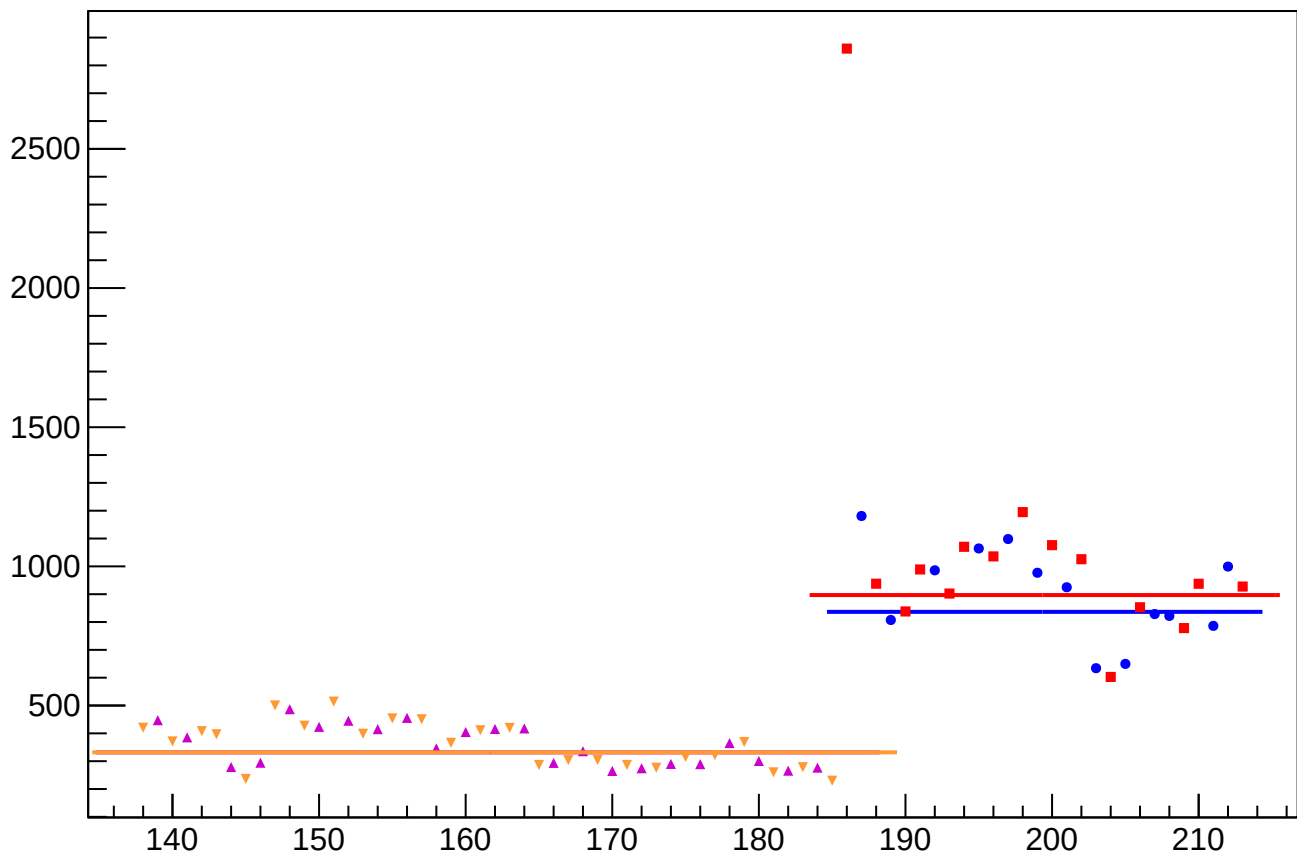
Left In: -53.493 $\pm$ 81.201 χ^2/NDF : 34.1/22

+ sign 140.033 $\pm$ 76.365 χ^2/NDF : 49.5/37

All: 62.906 $\pm$ 54.629 χ^2/NDF : 100.5/75

- sign -17.938 $\pm$ 78.183 χ^2/NDF : 48.9/37

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 836.556 $\pm$ 0.199 χ^2 /NDF: 610740.6/12

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 896.929 $\pm$ 0.205 χ^2 /NDF: 980135.9/14

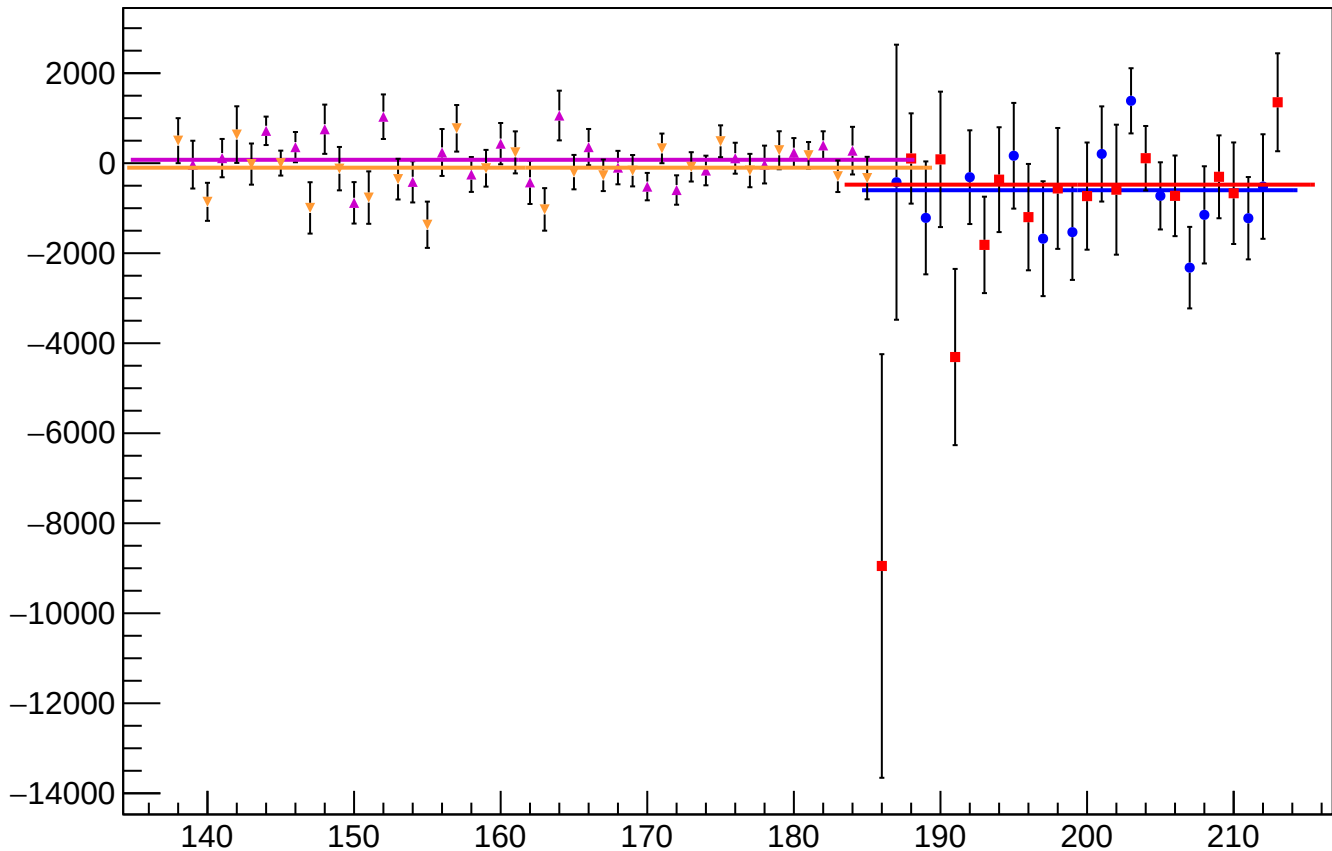
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 368.969 $\pm$ 0.054 χ^2 /NDF: 8287822.3/37

All: 370.892 $\pm$ 0.039 χ^2 /NDF: 17644842.2/75

- sign 372.907 $\pm$ 0.055 χ^2 /NDF: 9354423.6/37

asym_sam_15_26_dd_mean vs Slug



Right In: -600.717 ± 282.847 χ^2/NDF : 14.7/12

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -476.621 ± 290.964 χ^2/NDF : 13.2/14

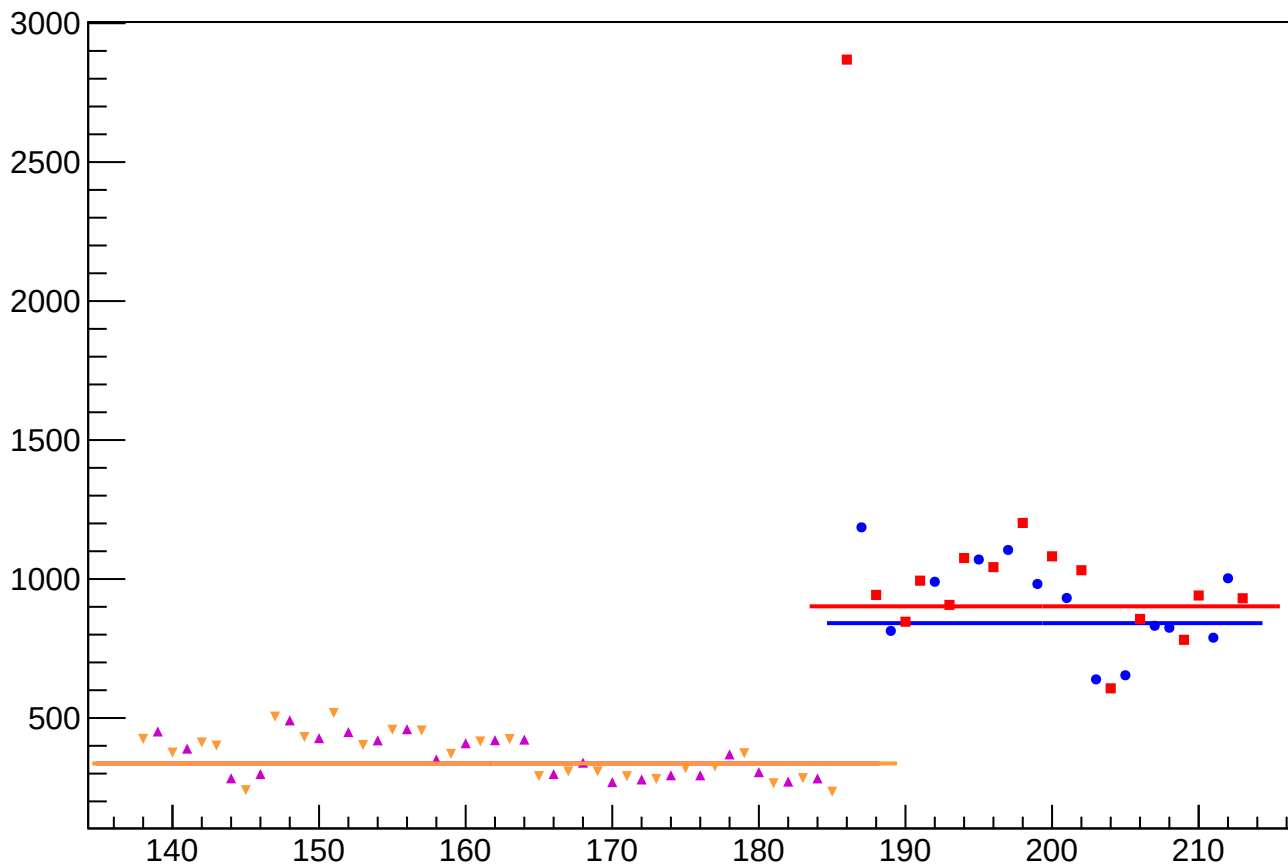
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -137.258 ± 77.361 χ^2/NDF : 48.3/37

All: -53.331 ± 55.345 χ^2/NDF : 99.3/75

- sign 34.656 ± 79.210 χ^2/NDF : 48.6/37

asym_sam_15_26_dd_rms vs Slug



Right In: 841.268 ± 0.200 χ^2/NDF : 606531.7/12

Left Out: 336.557 ± 0.057 χ^2/NDF : 1665919.4/24

Right Out: 901.738 ± 0.206 χ^2/NDF : 977185.8/14

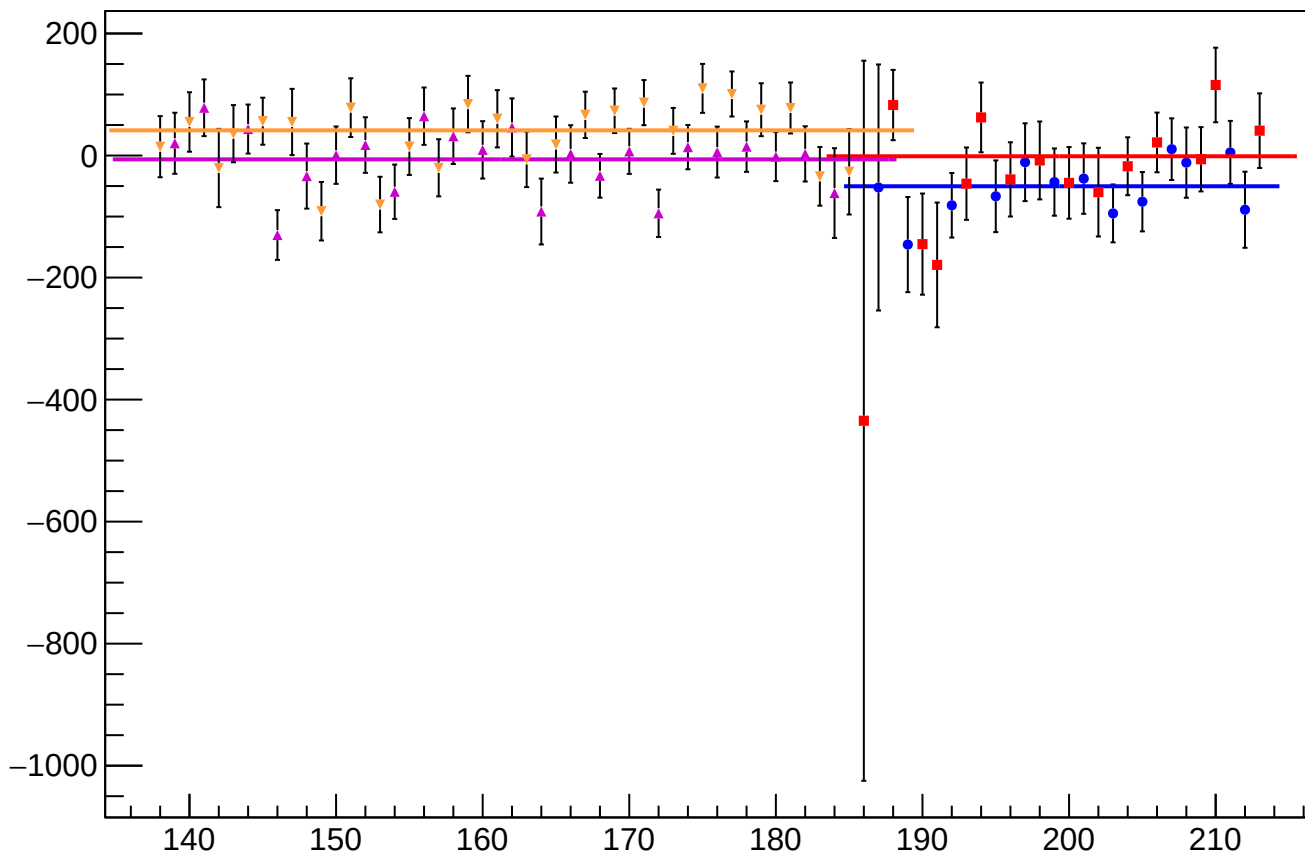
Left In: 336.439 ± 0.058 χ^2/NDF : 1269066.3/22

+ sign 374.313 ± 0.055 χ^2/NDF : 8164203.6/37

All: 376.276 ± 0.039 χ^2/NDF : 17402926.7/75

- sign 378.334 ± 0.056 χ^2/NDF : 9236086.2/37

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -50.364 ± 16.006 χ^2/NDF : 7.0/12

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -1.202 ± 16.038 χ^2/NDF : 16.6/14

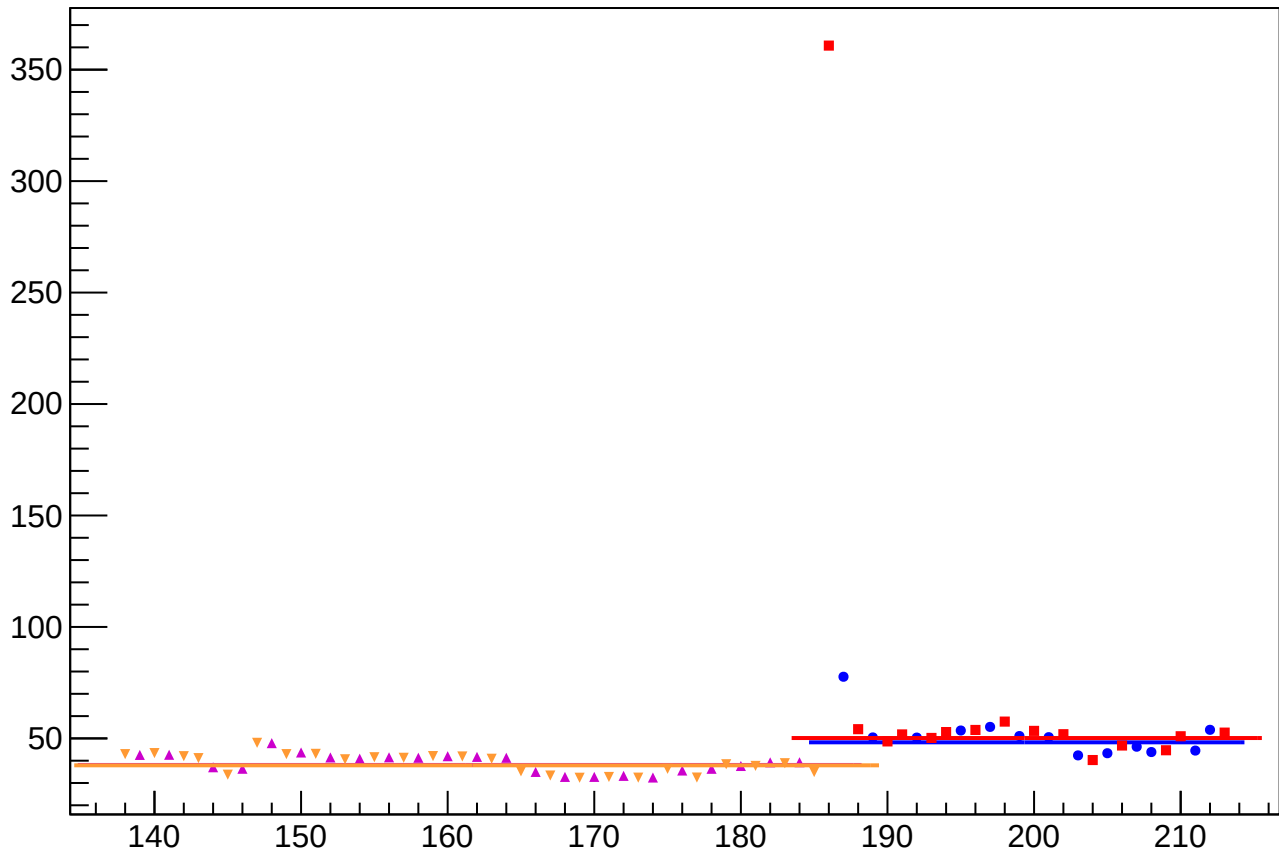
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 19.680 ± 7.771 χ^2/NDF : 66.4/37

All: 7.638 ± 5.562 χ^2/NDF : 118.3/75

- sign -5.008 ± 7.964 χ^2/NDF : 47.0/37

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 48.242 $\pm$ 0.011 χ^2 /NDF: 187353.2/12

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 50.166 $\pm$ 0.011 χ^2 /NDF: 731214.1/14

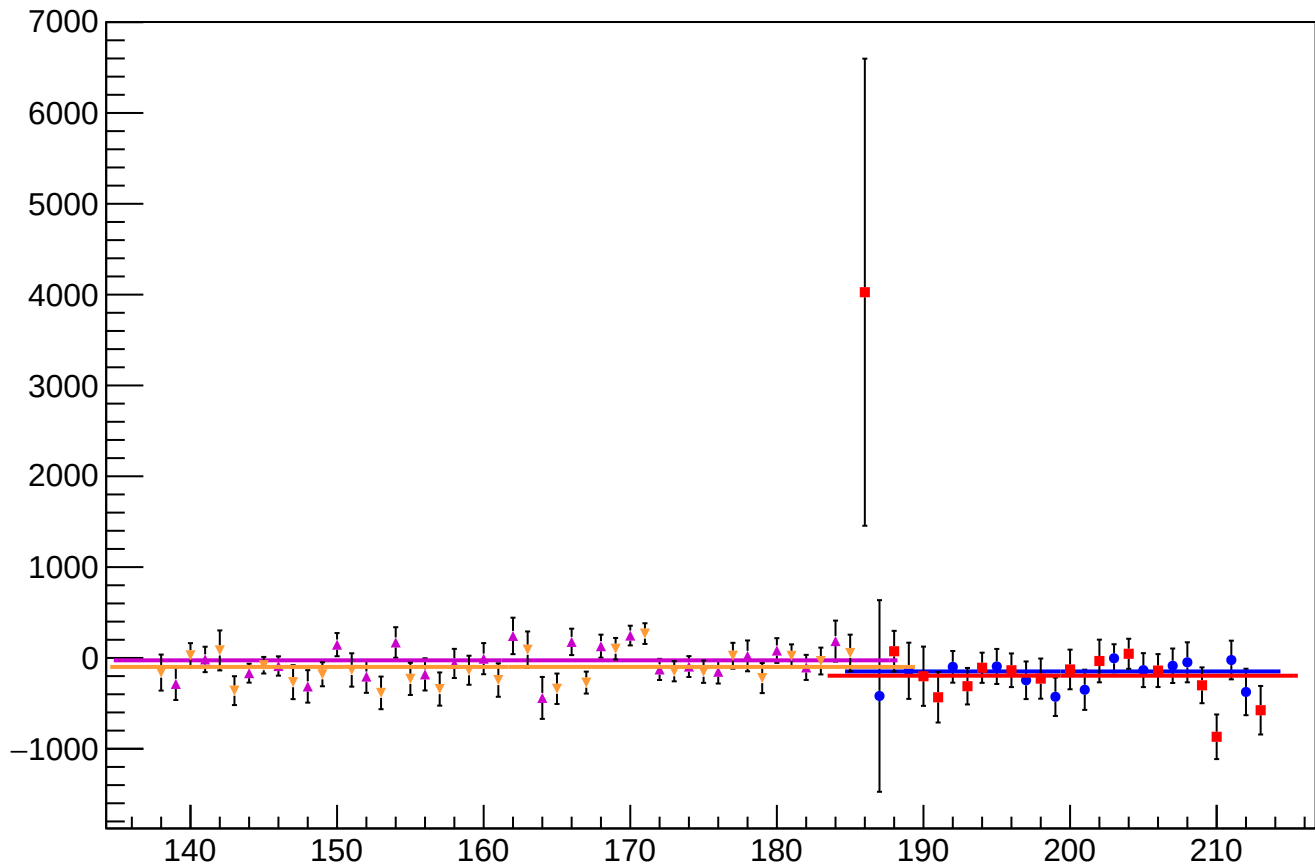
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 40.357 $\pm$ 0.005 χ^2 /NDF: 1309434.9/37

All: 40.703 $\pm$ 0.004 χ^2 /NDF: 3299815.4/75

- sign 41.065 $\pm$ 0.006 χ^2 /NDF: 1982271.8/37

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -148.636 ± 58.363 χ^2/NDF : 5.4/12

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -195.641 ± 56.318 χ^2/NDF : 18.2/14

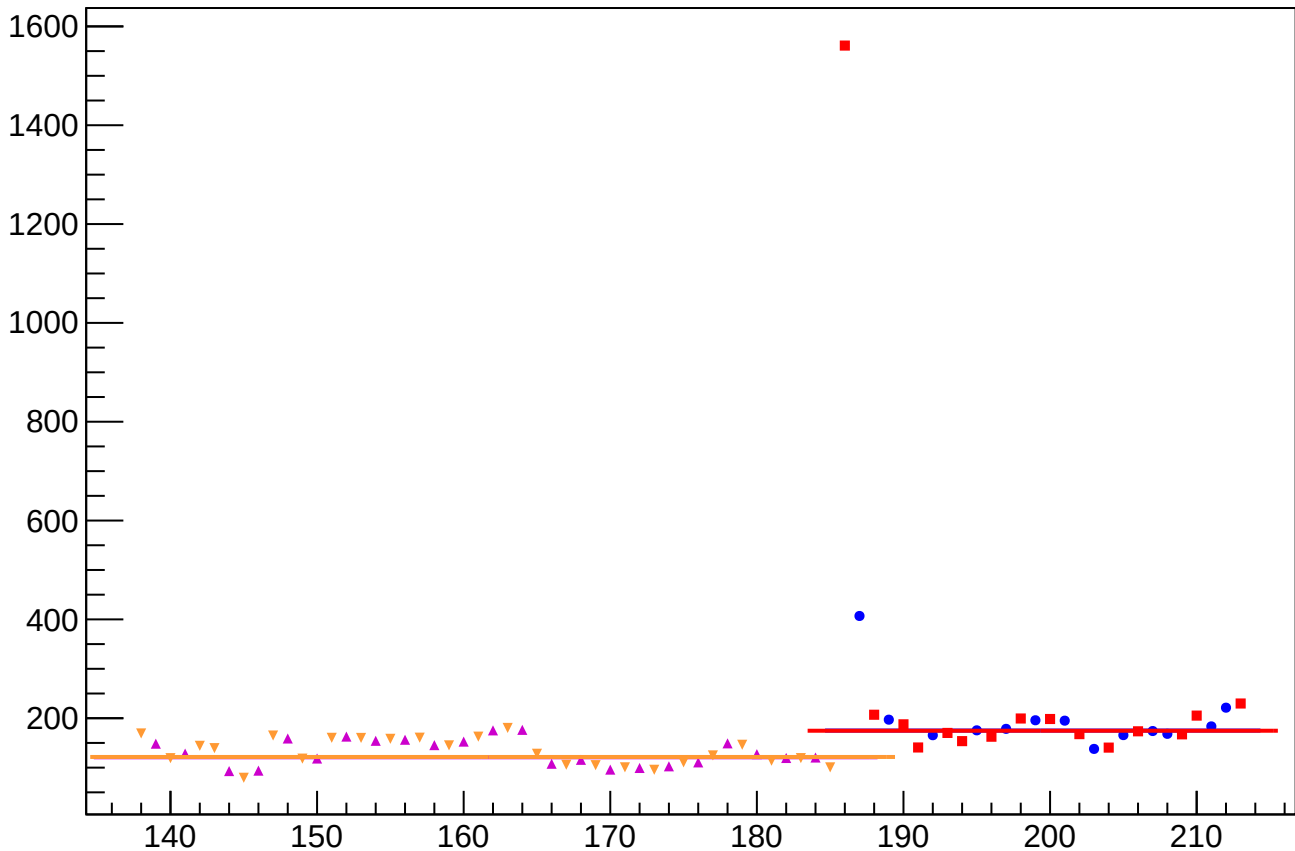
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -108.673 ± 26.039 χ^2/NDF : 38.7/37

All: -86.044 ± 18.488 χ^2/NDF : 96.2/75

- sign -63.040 ± 26.254 χ^2/NDF : 55.9/37

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 175.044+/-0.041 χ^2/NDF : 340332.2/12

Left Out: 121.592+/-0.021 χ^2/NDF : 1711423.9/24

Right Out: 174.671+/-0.040 χ^2/NDF : 952237.4/14

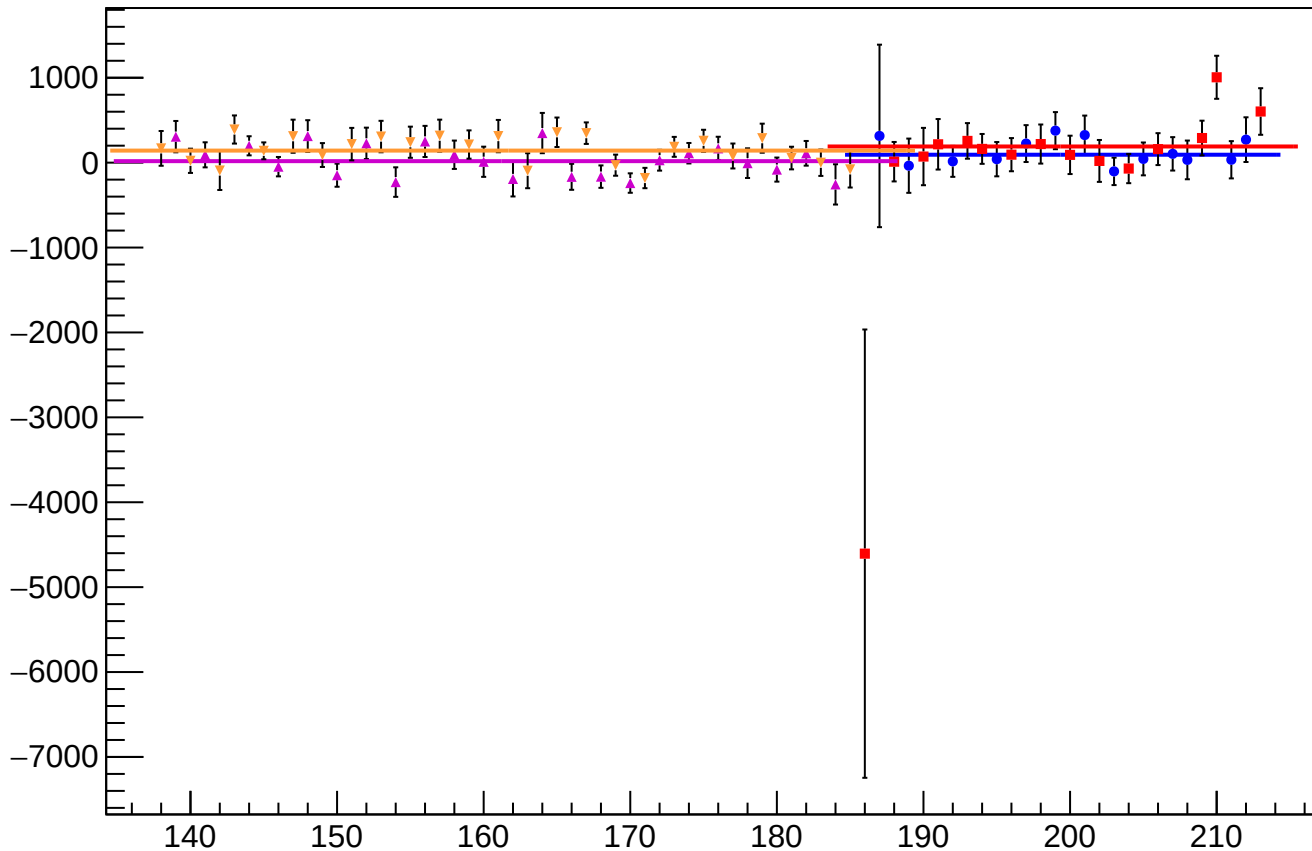
Left In: 120.927+/-0.021 χ^2/NDF : 1382861.4/22

+ sign 132.232+/-0.018 χ^2/NDF : 3395411.4/37

All: 132.418+/-0.013 χ^2/NDF : 7156265.9/75

- sign 132.606+/-0.019 χ^2/NDF : 3760649.6/37

asym_sam_37_26_dd_mean vs Slug



Right In: 93.344+/-60.667 χ^2/NDF : 5.7/12

Left Out: 142.014+/-30.574 χ^2/NDF : 26.9/24

Right Out: 190.504+/-58.761 χ^2/NDF : 20.2/14

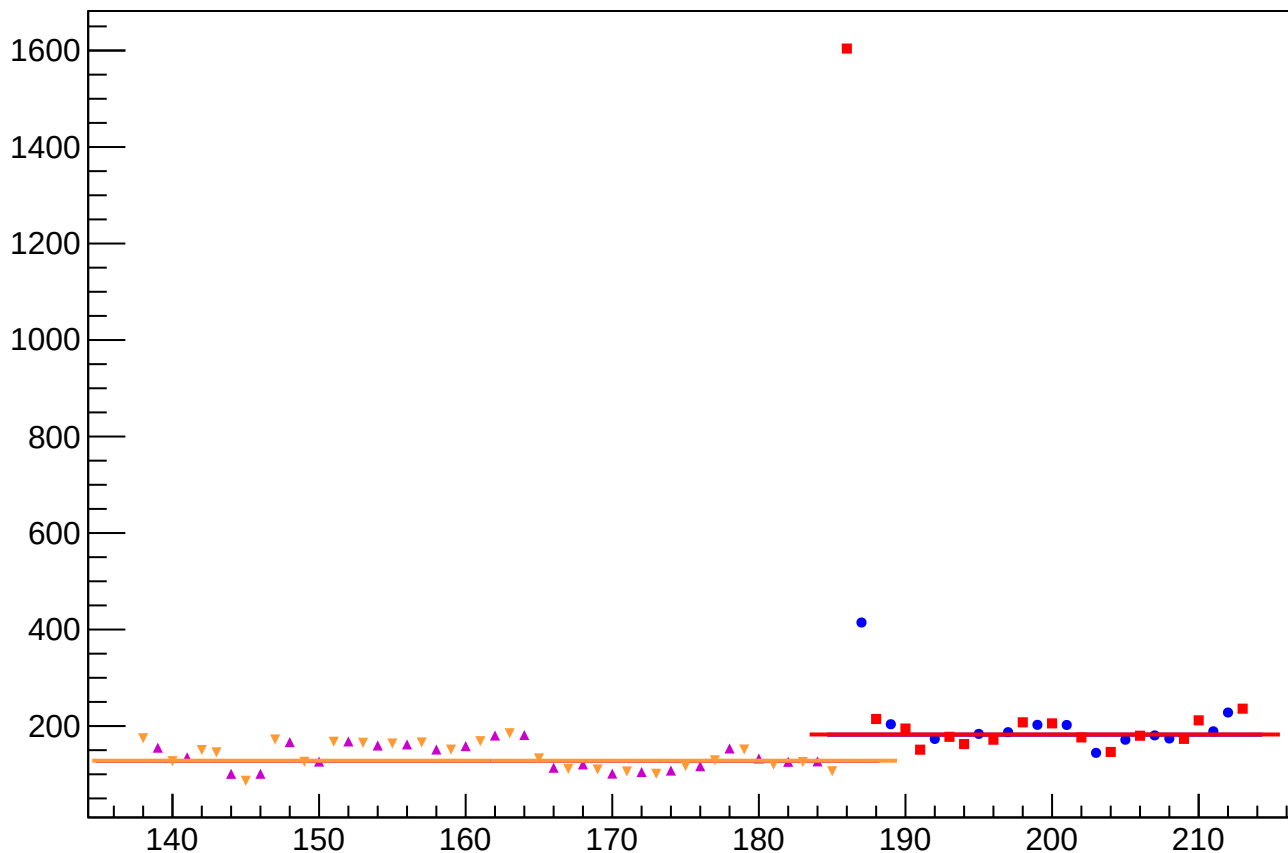
Left In: 17.679+/-31.209 χ^2/NDF : 30.1/22

+ sign 132.157+/-27.303 χ^2/NDF : 33.1/37

All: 94.291+/-19.397 χ^2/NDF : 94.0/75

- sign 55.703+/-27.562 χ^2/NDF : 57.1/37

asym_sam_37_26_dd_rms vs Slug



Right In: 182.102 $\pm$ 0.043 χ^2 /NDF: 321669.5/12

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF:1532922.0/24

Right Out: 182.510 $\pm$ 0.042 χ^2 /NDF: 916876.2/14

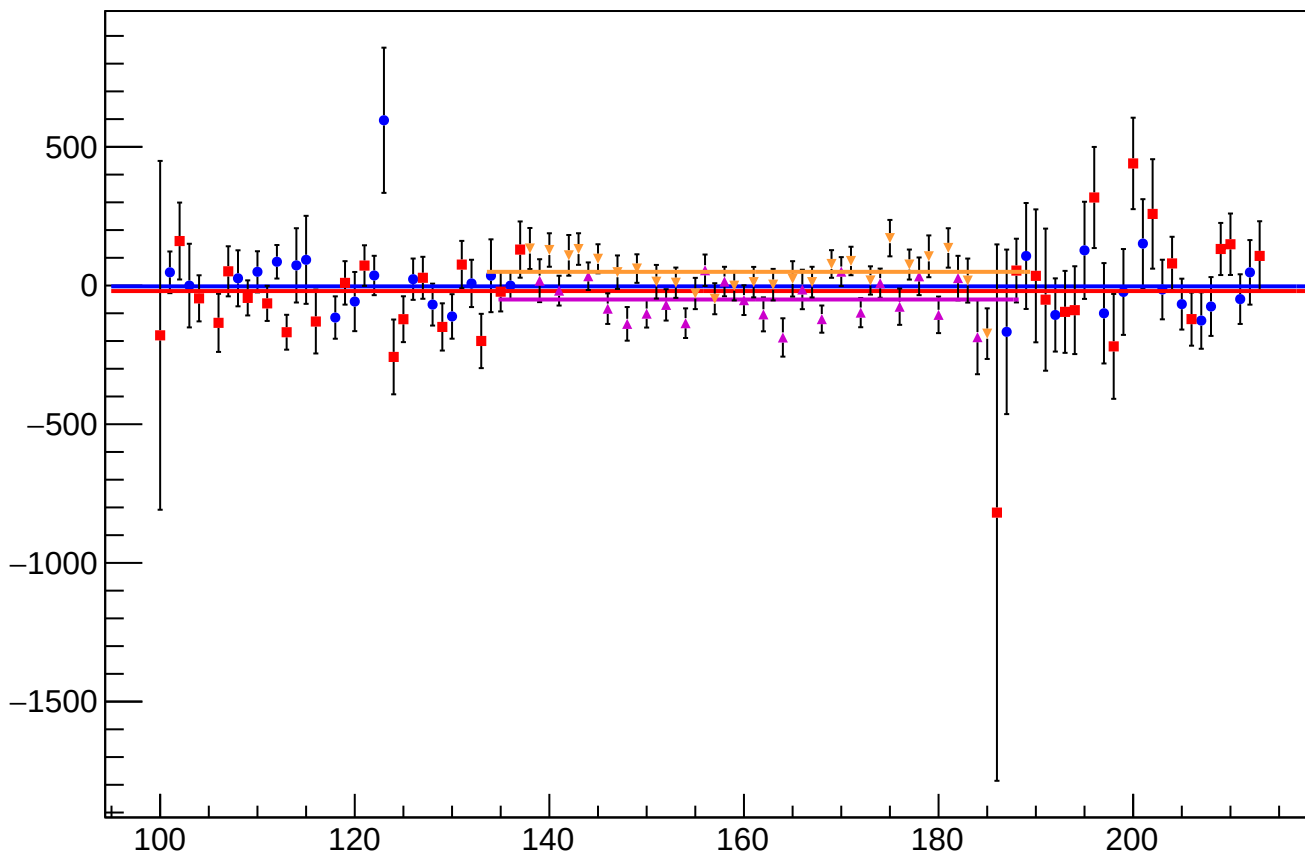
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 139.098 $\pm$ 0.019 χ^2 /NDF: 3114814.5/37

All: 139.365 $\pm$ 0.014 χ^2 /NDF: 6632789.2/75

- sign 139.637 $\pm$ 0.019 χ^2 /NDF: 3517587.7/37

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.960 ± 17.451 χ^2/NDF : 20.6/29

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -19.947 ± 17.068 χ^2/NDF : 50.7/33

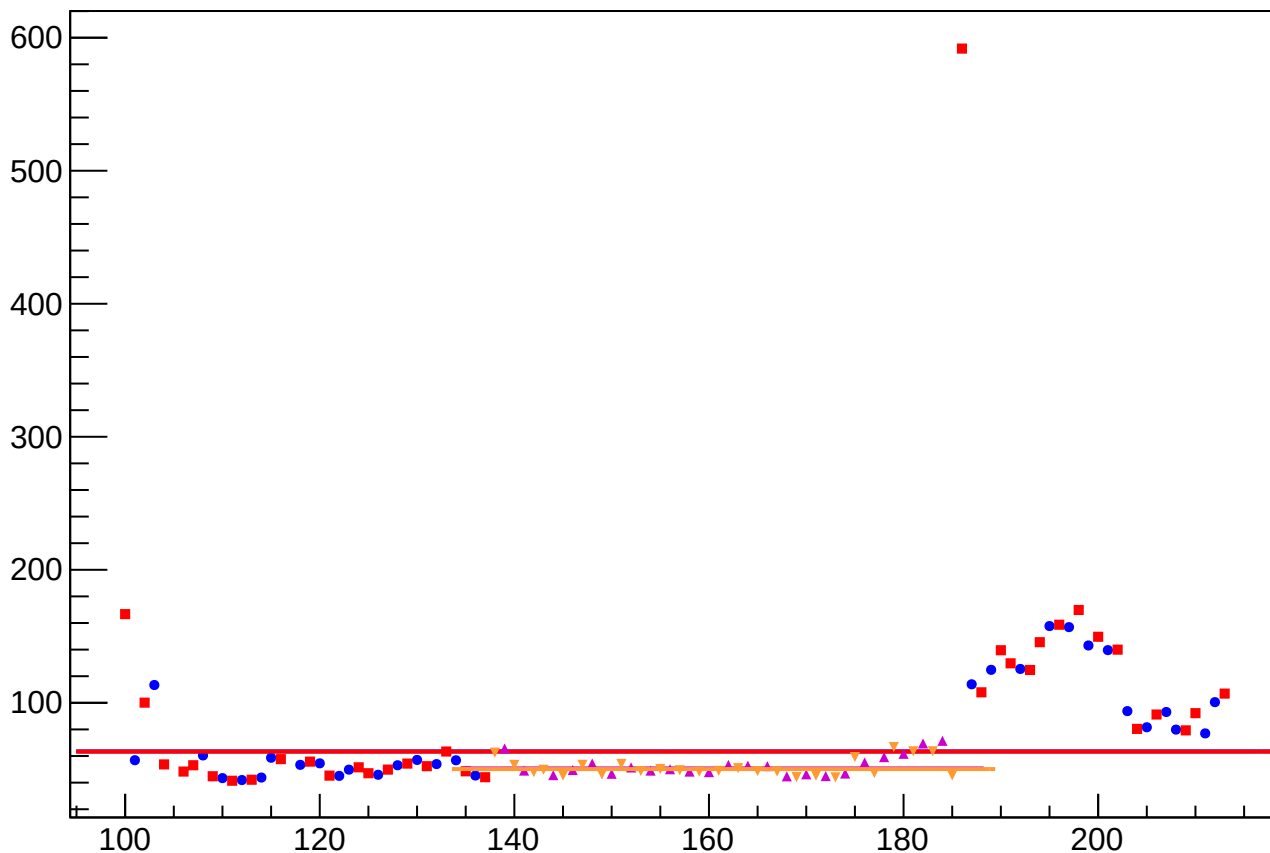
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 32.961 ± 9.778 χ^2/NDF : 54.8/54

All: -2.868 ± 6.976 χ^2/NDF : 167.1/111

- sign -39.997 ± 9.954 χ^2/NDF : 85.0/56

reg_asym_sam_1357_avg_rms vs Slug



Right In: 63.490+/-0.012 χ^2/NDF : 4831100.2/29

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 63.311+/-0.012 χ^2/NDF : 6263098.9/33

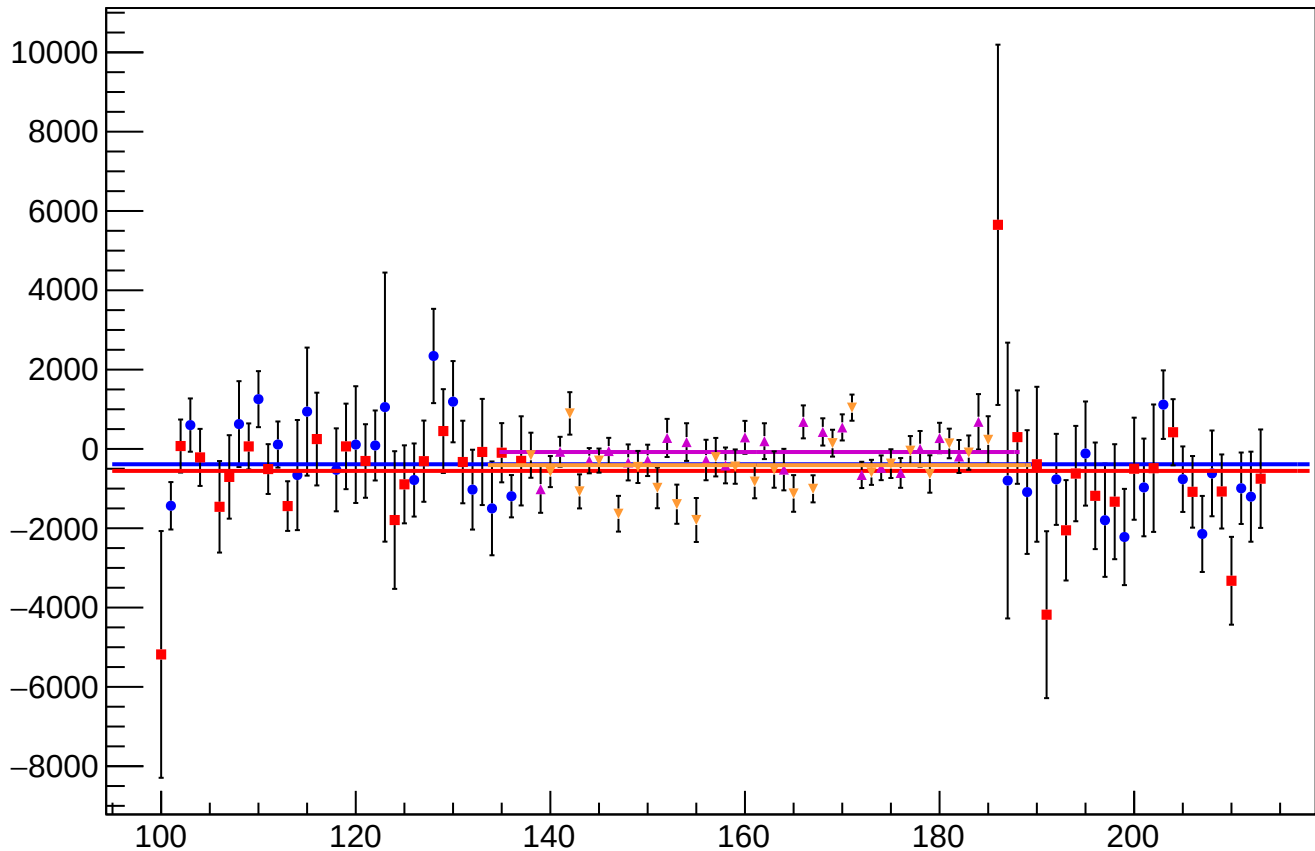
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 54.365+/-0.007 χ^2/NDF : 6095806.1/54

All: 54.666+/-0.005 χ^2/NDF : 13554498.1/111

- sign 54.978+/-0.007 χ^2/NDF : 7454836.8/56

asym_sam_1357_avg_correction_mean vs Slug



Right In: -386.528+/-174.216 χ^2/NDF : 36.4/29

Left Out: -409.164+/-82.348 χ^2/NDF : 61.7/24

Right Out: -553.804+/-171.777 χ^2/NDF : 25.7/33

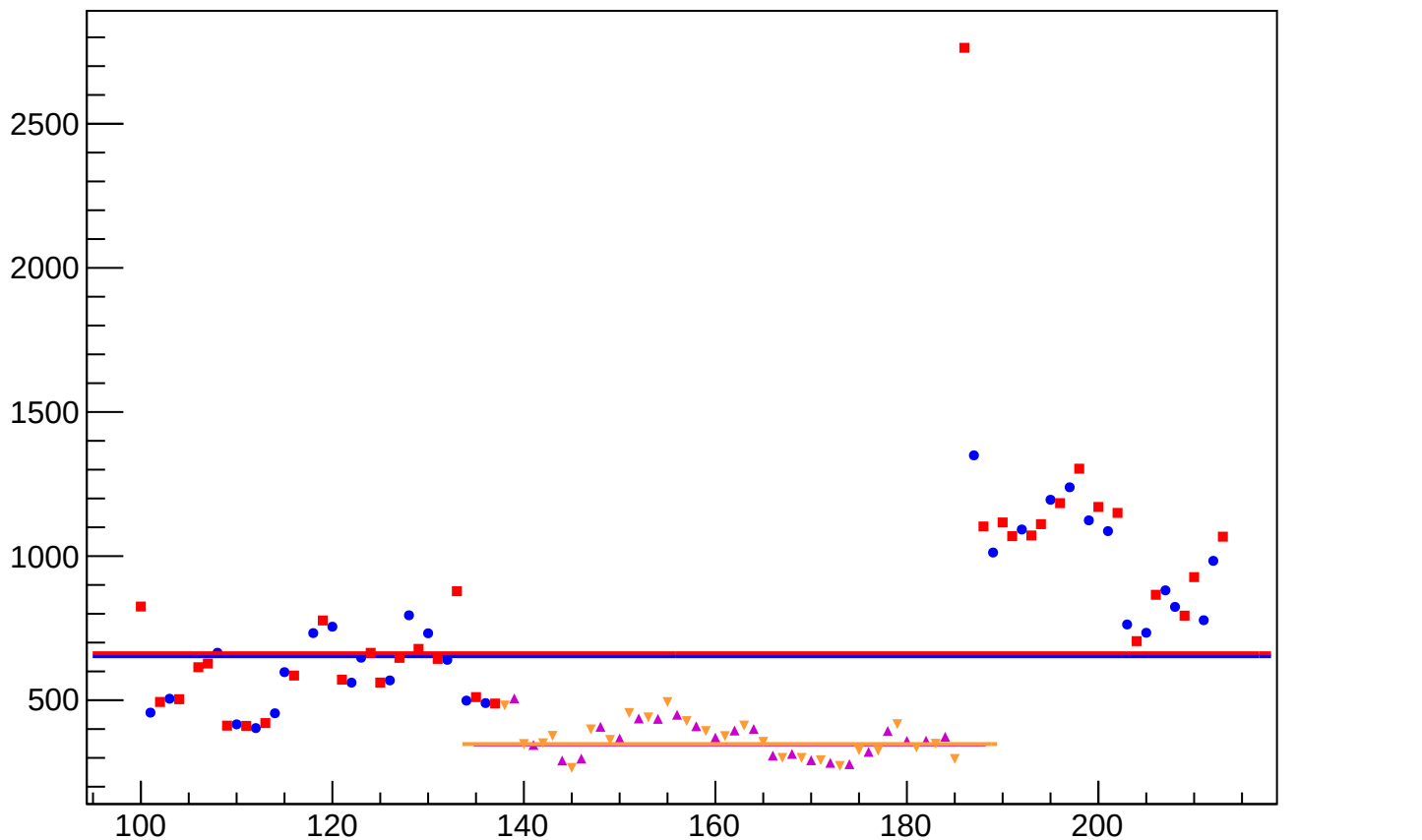
Left In: -77.872+/-84.072 χ^2/NDF : 24.8/22

+ sign -405.030+/-74.450 χ^2/NDF : 98.1/54

All: -289.104+/-53.016 χ^2/NDF : 159.8/111

- sign -169.845+/-75.513 χ^2/NDF : 56.8/56

asym_sam_1357_avg_correction_rms vs Slug



Right In: 652.917 ± 0.123 $\chi^2/\text{NDF}: 3398609.6/29$

Left Out: 347.875 ± 0.058 $\chi^2/\text{NDF}: 1044096.7/24$

Right Out: 662.940 ± 0.121 $\chi^2/\text{NDF}: 4521172.6/33$

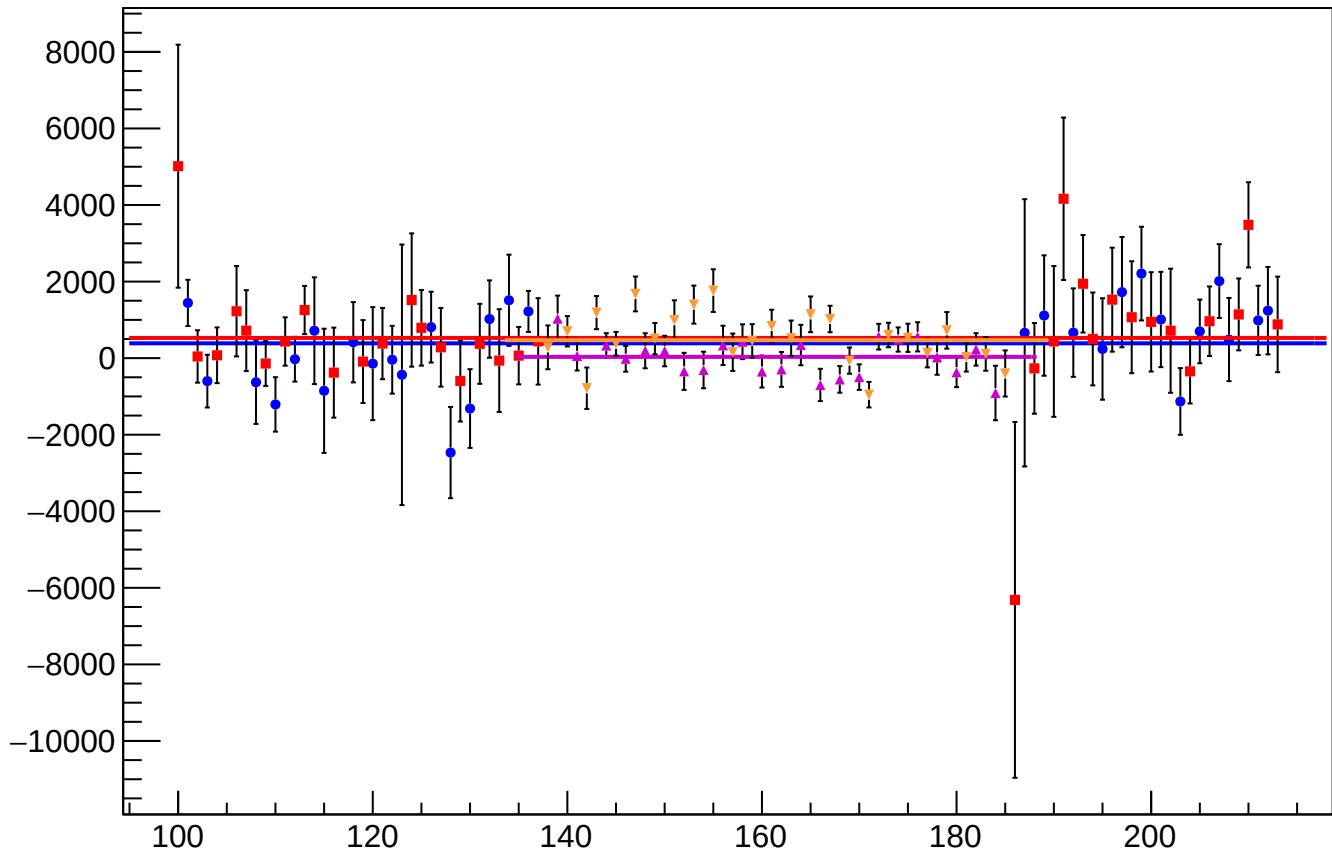
Left In: 345.954 ± 0.059 $\chi^2/\text{NDF}: 900847.0/22$

+ sign 403.583 ± 0.053 $\chi^2/\text{NDF}: 9454504.0/54$

All: 405.371 ± 0.037 $\chi^2/\text{NDF}: 20373261.2/11$

- sign 407.211 ± 0.053 $\chi^2/\text{NDF}: 10916415.6/56$

asym_sam_1357_avg_mean vs Slug



Right In: 387.551 ± 175.435 χ^2/NDF : 35.6/29

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 528.061 ± 173.067 χ^2/NDF : 25.5/33

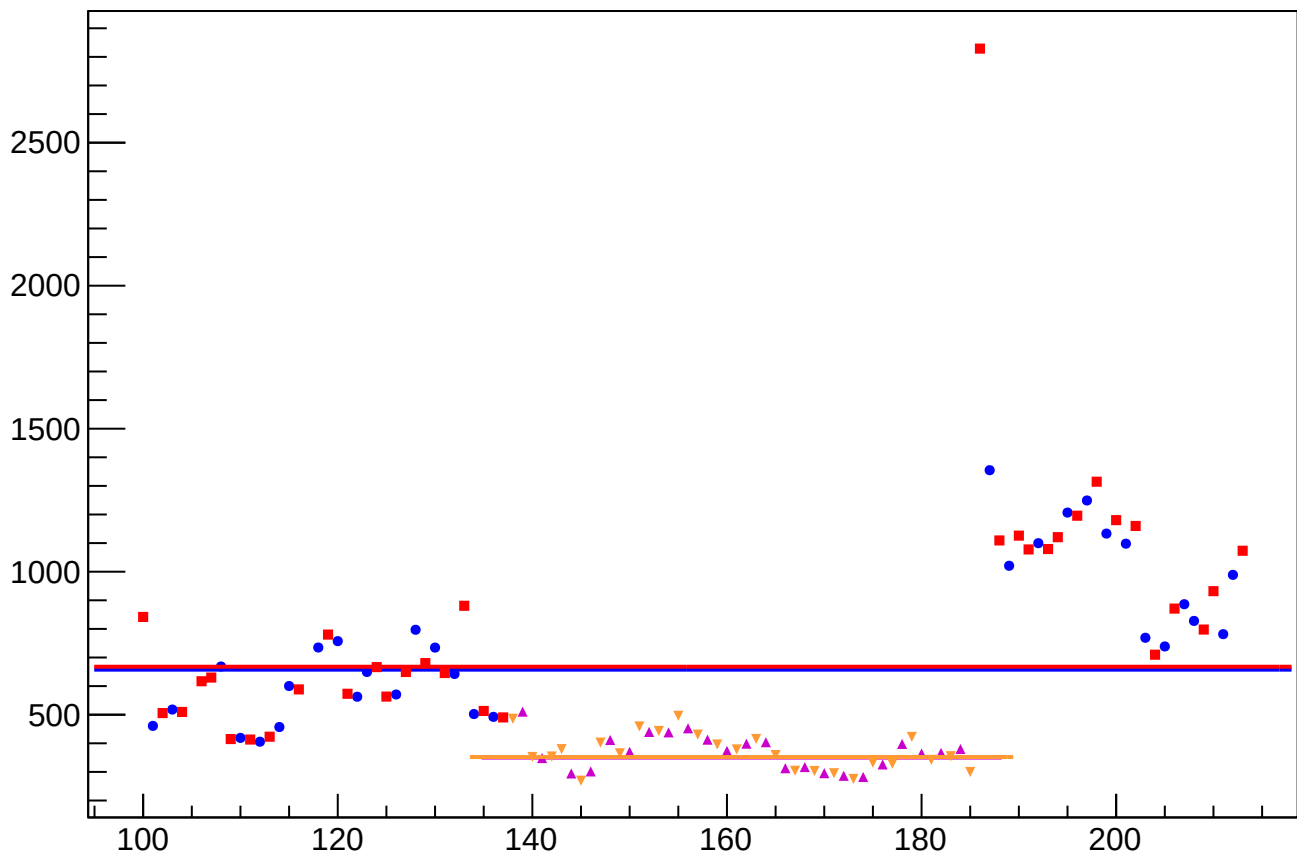
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 453.905 ± 75.245 χ^2/NDF : 93.3/54

All: 293.883 ± 53.589 χ^2/NDF : 160.3/111

- sign 129.166 ± 76.341 χ^2/NDF : 57.8/56

asym_sam_1357_avg_rms vs Slug



Right In: 657.574+/-0.124 χ^2/NDF : 3391664.0/29

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 667.723+/-0.122 χ^2/NDF : 4519176.8/33

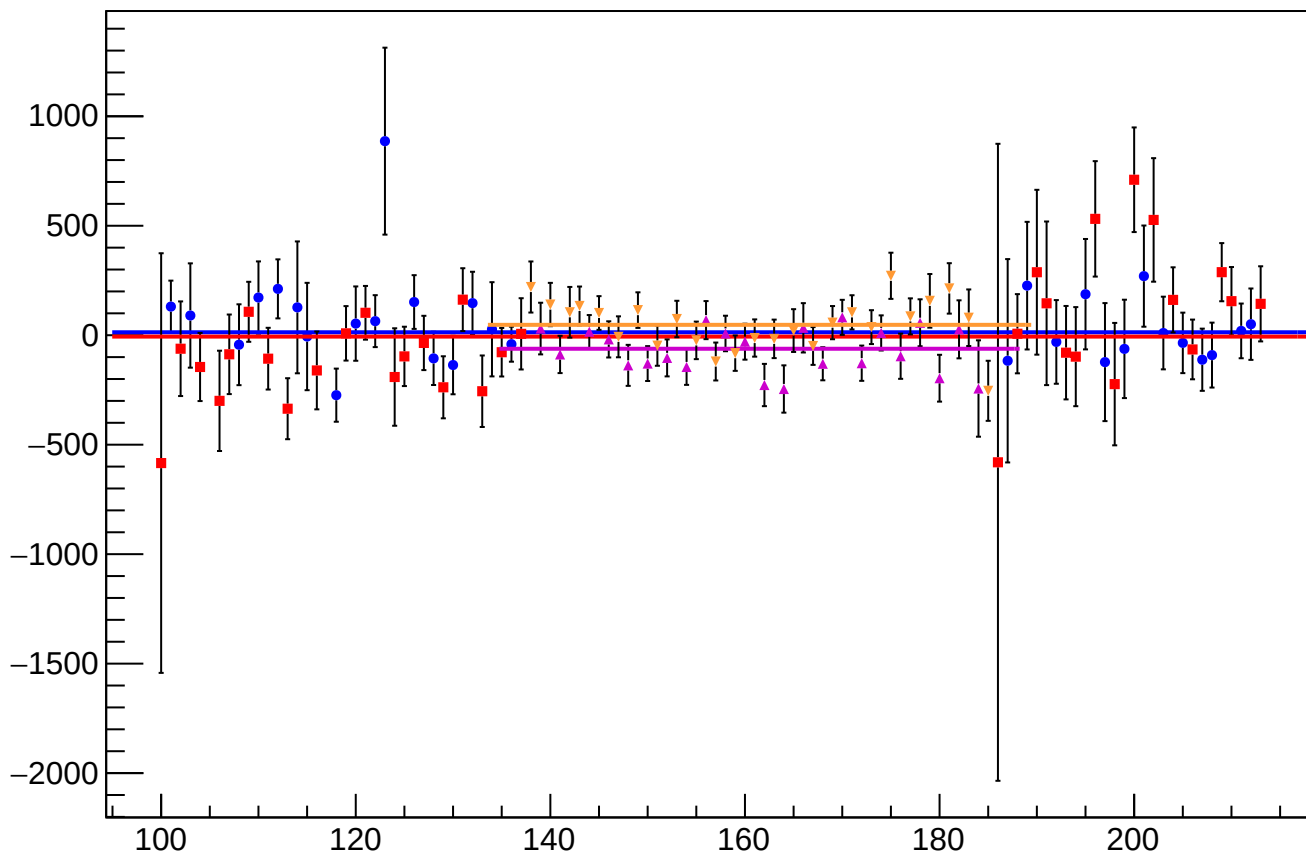
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 408.225+/-0.053 χ^2/NDF : 9359940.2/54

All: 410.061+/-0.038 χ^2/NDF : 20183522.6/117

- sign 411.950+/-0.054 χ^2/NDF : 10821167.1/56

reg_asym_sam_2468_avg_mean vs Slug



Right In: 13.462 ± 28.503 χ^2/NDF : 23.4/29

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -6.265 ± 28.861 χ^2/NDF : 46.1/33

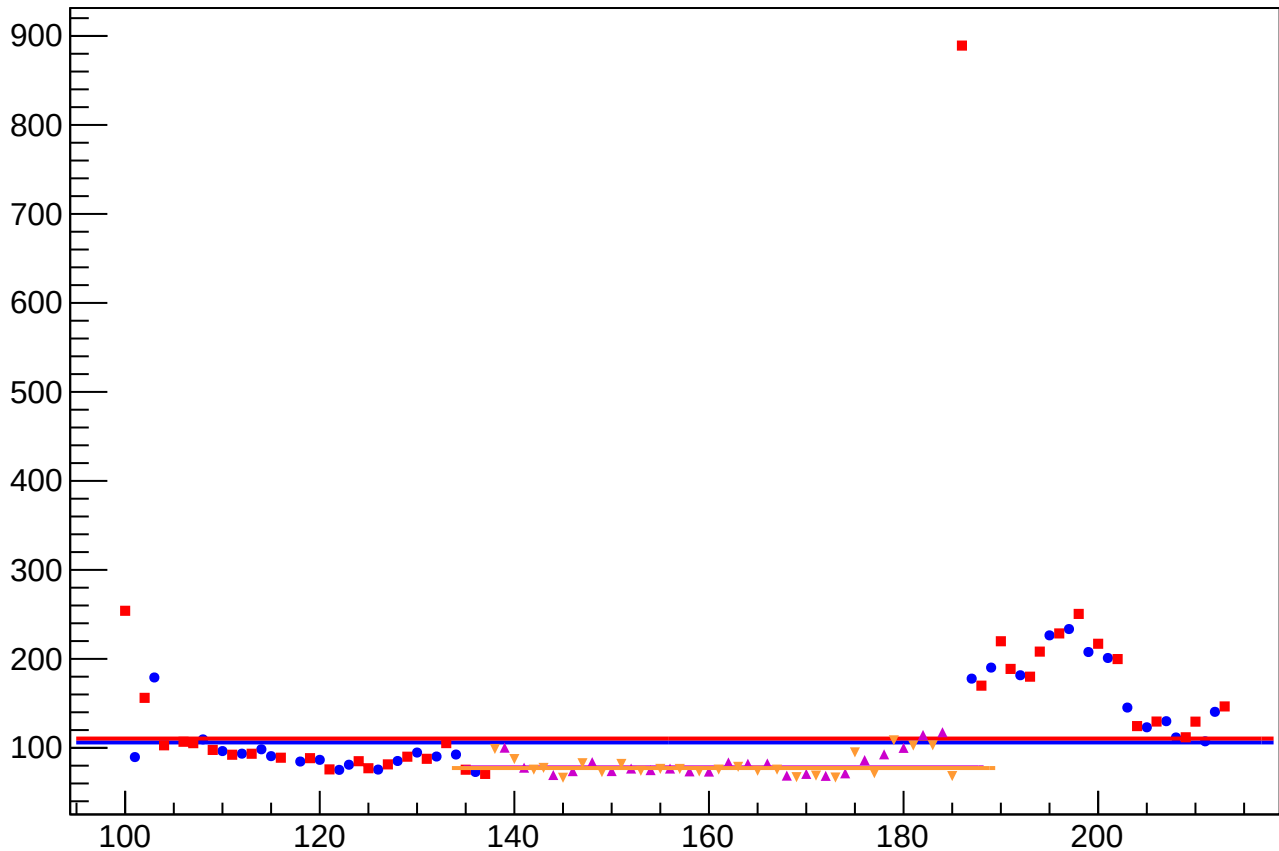
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 37.548 ± 15.371 χ^2/NDF : 53.8/54

All: -2.512 ± 11.033 χ^2/NDF : 140.5/111

- sign -45.082 ± 15.845 χ^2/NDF : 72.7/56

reg_asym_sam_2468_avg_rms vs Slug



Right In: 106.096 $\pm$ 0.020 χ^2 /NDF: 3531438.0/29

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 110.479 $\pm$ 0.020 χ^2 /NDF: 4451234.0/33

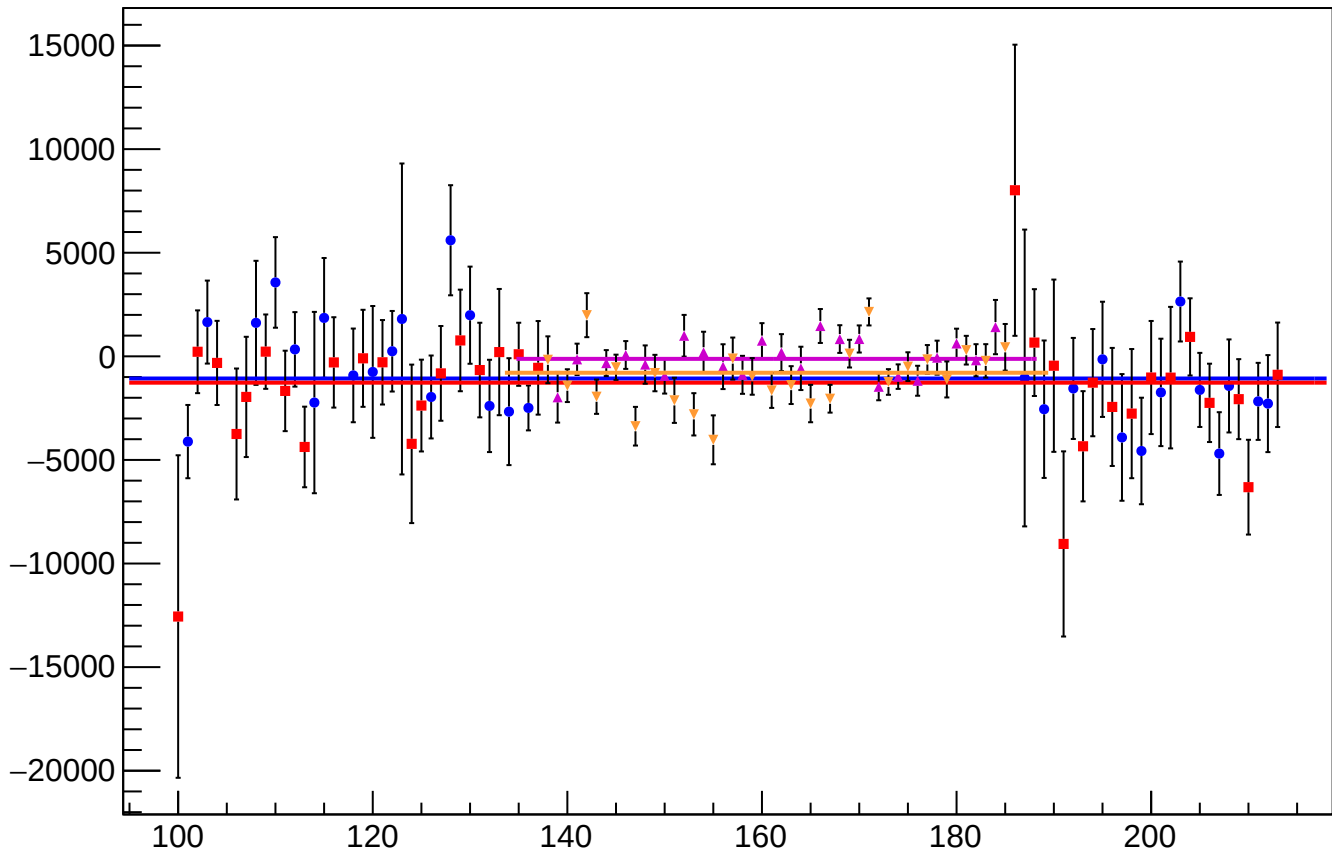
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 85.686 $\pm$ 0.011 χ^2 /NDF: 5613038.4/54

All: 86.753 $\pm$ 0.008 χ^2 /NDF: 12420587.9/111

- sign 87.887 $\pm$ 0.011 χ^2 /NDF: 6787672.6/56

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1070.111+/-406.842 χ^2/NDF : 34.0/29

Left Out: -792.776+/-162.659 χ^2/NDF : 66.6/24

Right Out: -1271.817+/-409.642 χ^2/NDF : 24.2/33

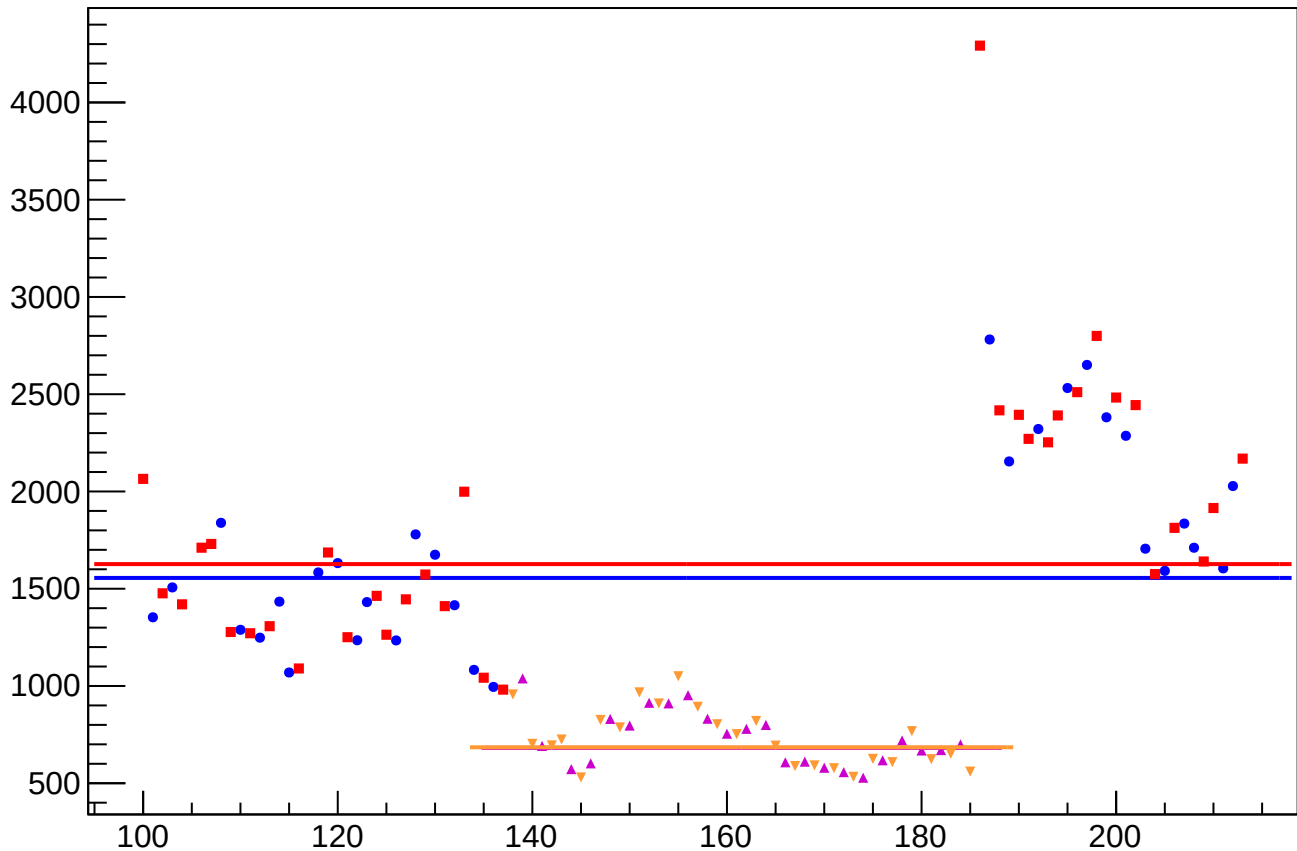
Left In: -122.198+/-166.193 χ^2/NDF : 25.9/22

+ sign -830.997+/-151.035 χ^2/NDF : 101.0/54

All: -563.150+/-107.831 χ^2/NDF : 164.3/111

- sign -284.677+/-154.002 χ^2/NDF : 56.9/56

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1555.530 ± 0.288 $\chi^2/\text{NDF}: 2261947.8/29$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

Right Out: 1626.657 ± 0.290 $\chi^2/\text{NDF}: 2809215.3/33$

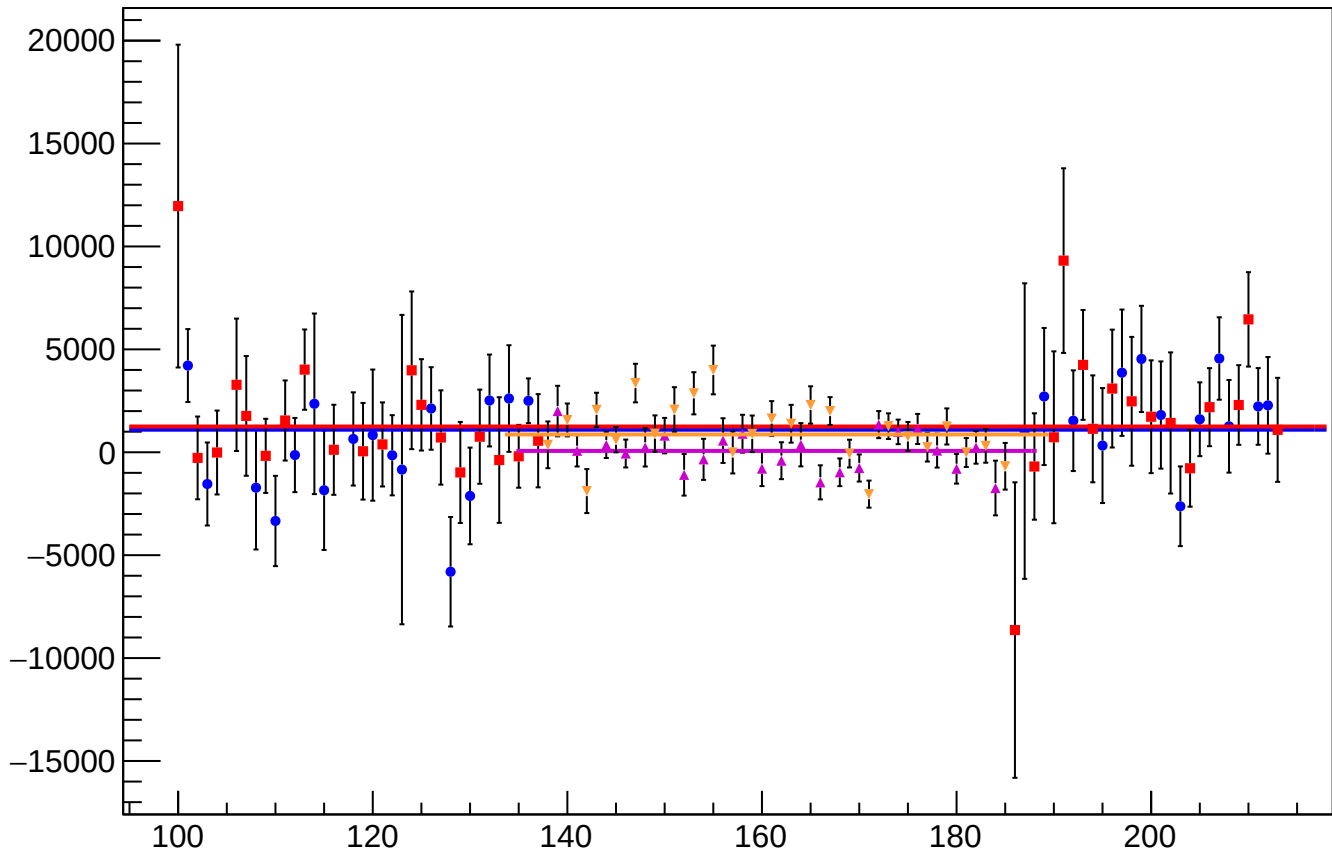
Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

+ sign 804.789 ± 0.107 $\chi^2/\text{NDF}: 11440875.8/54$

All: 809.924 ± 0.076 $\chi^2/\text{NDF}: 24512611.5/11$

- sign 815.264 ± 0.109 $\chi^2/\text{NDF}: 13067018.7/56$

asym_sam_2468_avg_mean vs Slug



Right In: 1097.043 $\pm$ 408.068 χ^2 /NDF: 33.5/29

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF: 62.8/24

Right Out: 1250.899 $\pm$ 411.021 χ^2 /NDF: 24.0/33

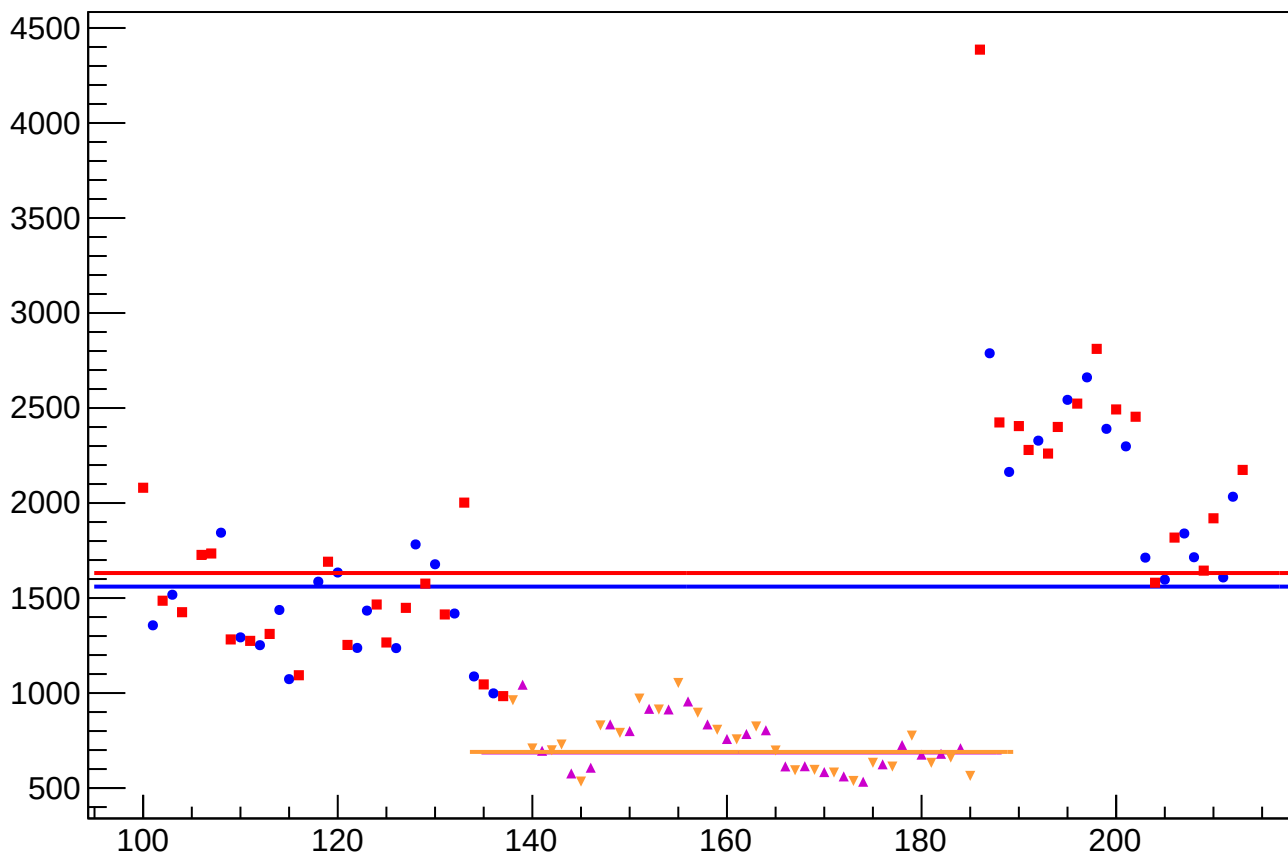
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF: 26.4/22

+ sign 897.743 $\pm$ 152.079 χ^2 /NDF: 96.7/54

All: 572.728 $\pm$ 108.589 χ^2 /NDF: 163.5/111

- sign 234.663 $\pm$ 155.102 χ^2 /NDF: 57.6/56

asym_sam_2468_avg_rms vs Slug



Right In: 1560.125 ± 0.289 $\chi^2/\text{NDF}: 2265748.2/29$

Left Out: 690.166 ± 0.116 $\chi^2/\text{NDF}: 1258158.2/24$

Right Out: 1631.574 ± 0.291 $\chi^2/\text{NDF}: 2821250.1/33$

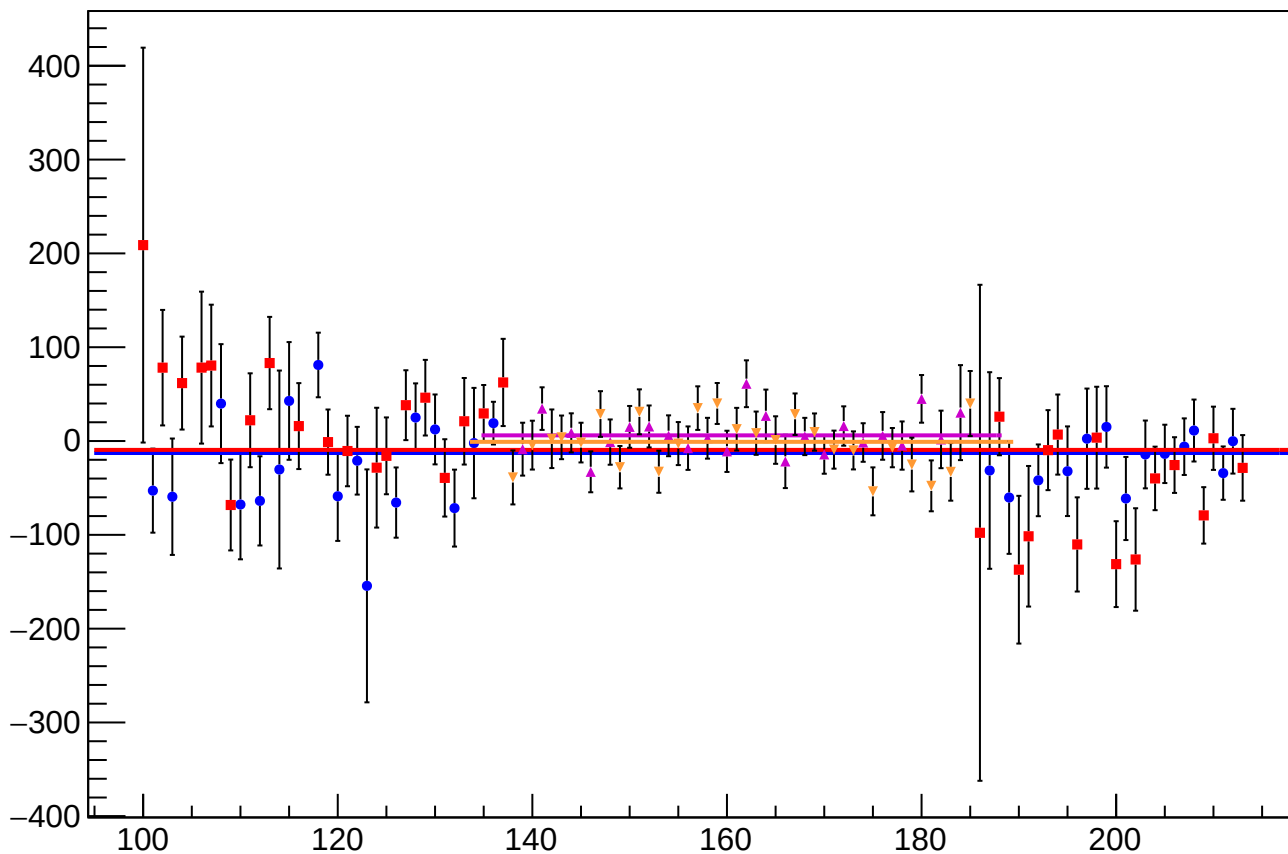
Left In: 687.216 ± 0.118 $\chi^2/\text{NDF}: 1099706.1/22$

+ sign 810.996 ± 0.108 $\chi^2/\text{NDF}: 11351351.8/54$

All: 816.238 ± 0.077 $\chi^2/\text{NDF}: 24331562.9/11$

- sign 821.692 ± 0.110 $\chi^2/\text{NDF}: 12975361.6/56$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -12.765 ± 7.458 χ^2/NDF : 26.6/29

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -9.450 ± 7.554 χ^2/NDF : 50.5/33

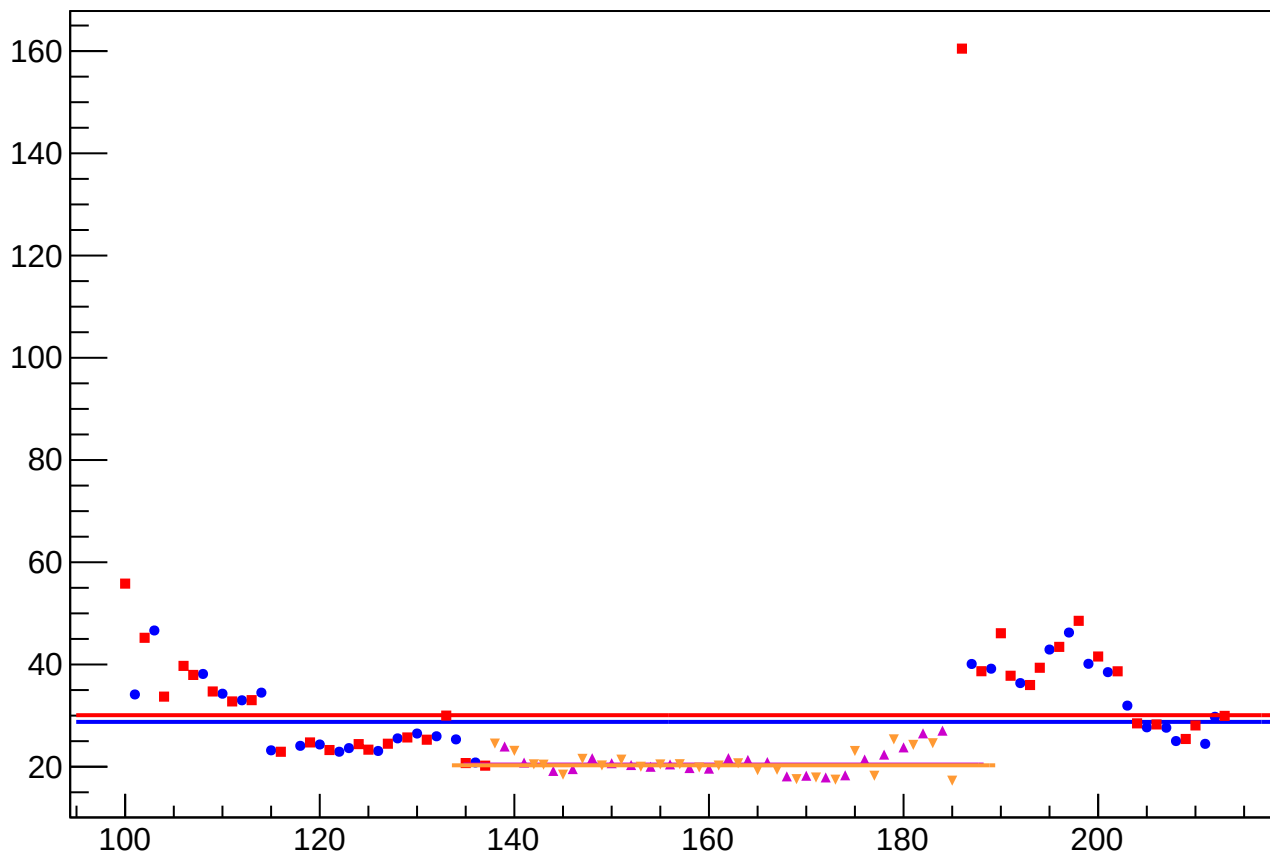
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -4.307 ± 4.012 χ^2/NDF : 56.3/54

All: -1.523 ± 2.876 χ^2/NDF : 127.6/111

- sign 1.420 ± 4.126 χ^2/NDF : 70.4/56

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.772 $\pm$ 0.005 χ^2 /NDF: 1612077.0/29

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 30.083 $\pm$ 0.005 χ^2 /NDF: 2285158.0/33

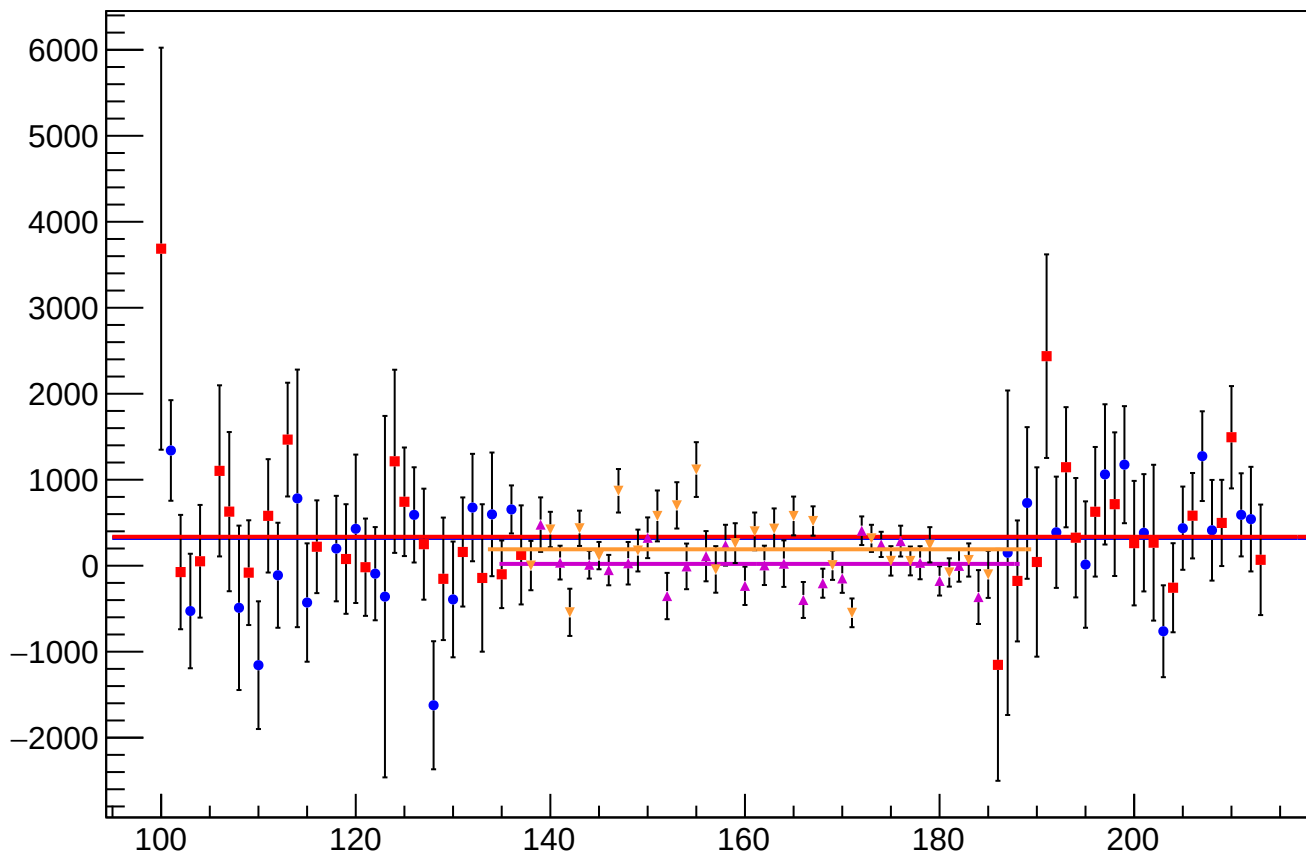
Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

+ sign 22.738 $\pm$ 0.003 χ^2 /NDF: 3861826.4/54

All: 23.014 $\pm$ 0.002 χ^2 /NDF: 8784423.8/111

- sign 23.305 $\pm$ 0.003 χ^2 /NDF: 4903153.5/56

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 322.593 $\pm$ 112.871 χ^2/NDF : 32.7/29

Left Out: 190.867 $\pm$ 41.314 χ^2/NDF : 67.9/24

Right Out: 336.483 $\pm$ 114.794 χ^2/NDF : 23.1/33

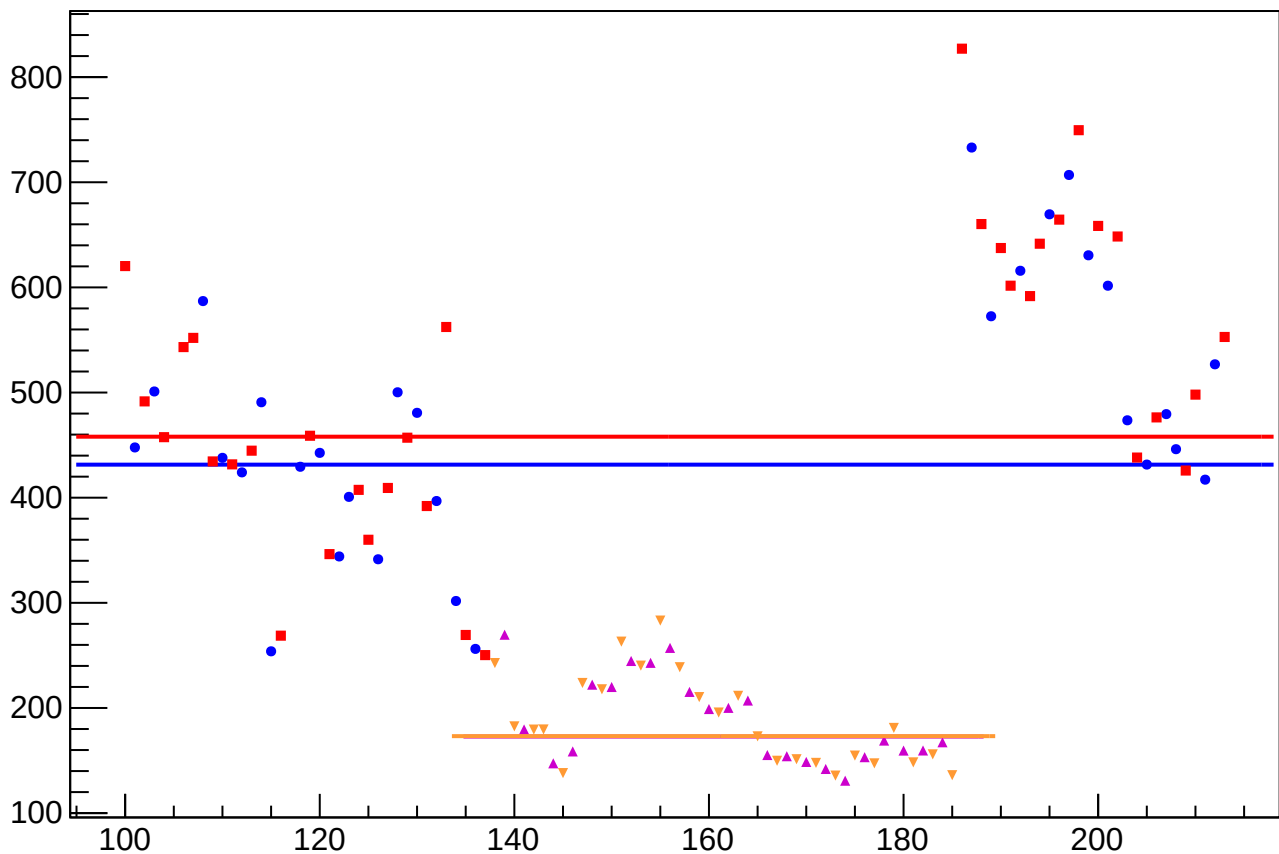
Left In: 20.998 $\pm$ 42.291 χ^2/NDF : 27.7/22

+ sign 206.430 $\pm$ 38.797 χ^2/NDF : 101.8/54

All: 134.234 $\pm$ 27.742 χ^2/NDF : 166.3/111

- sign 58.699 $\pm$ 39.683 χ^2/NDF : 57.5/56

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 431.423 ± 0.080 χ^2/NDF : 2284341.6/29

Left Out: 173.210 ± 0.029 χ^2/NDF : 1561250.6/24

Right Out: 458.012 ± 0.081 χ^2/NDF : 2528341.3/33

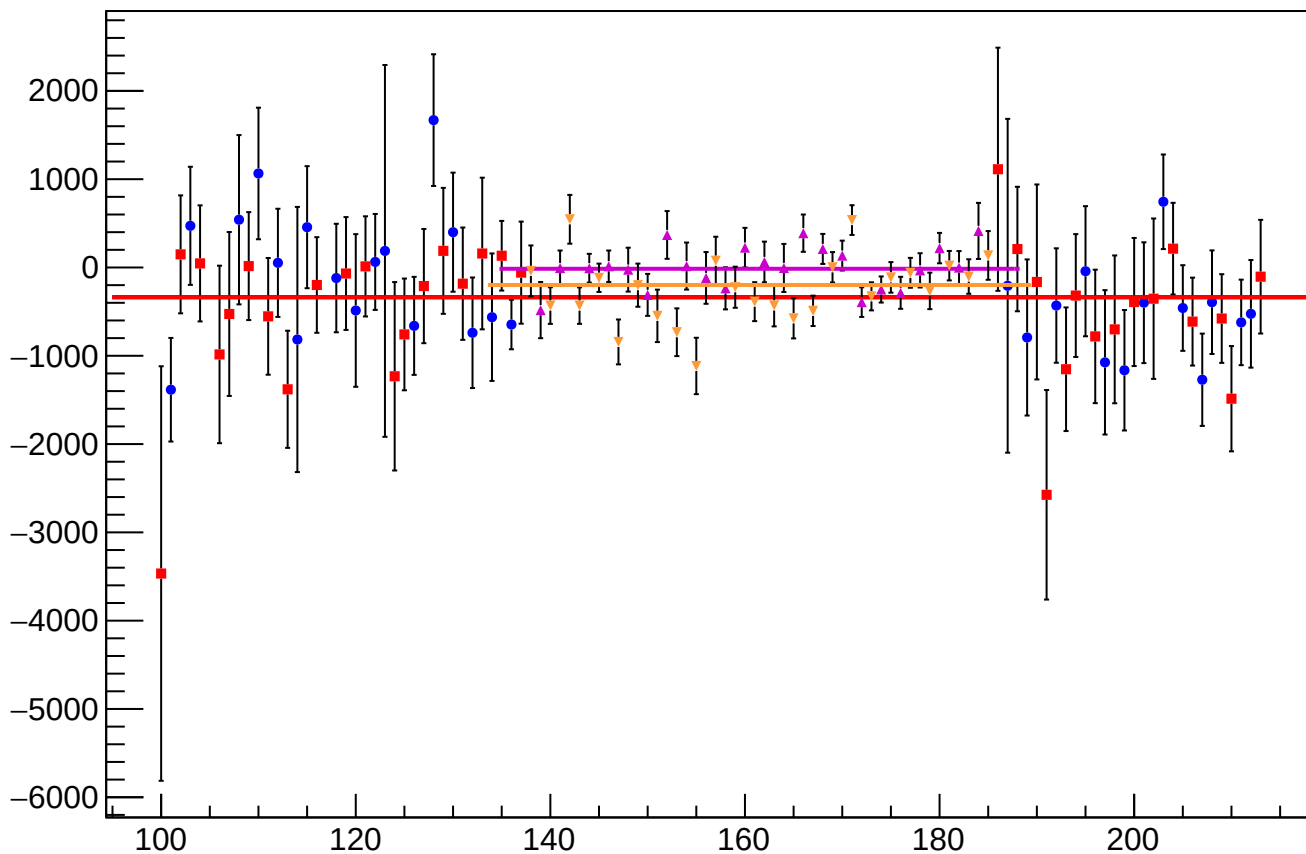
Left In: 172.828 ± 0.030 χ^2/NDF : 1372131.7/22

+ sign 203.717 ± 0.027 χ^2/NDF : 13075927.8/54

All: 205.277 ± 0.020 χ^2/NDF : 27851518.7/11

- sign 206.908 ± 0.028 χ^2/NDF : 14768978.3/56

asym_sam_1357_2468_dd_mean vs Slug



Right In: -336.113 ± 113.159 χ^2/NDF : 32.6/29

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -338.023 ± 115.107 χ^2/NDF : 23.1/33

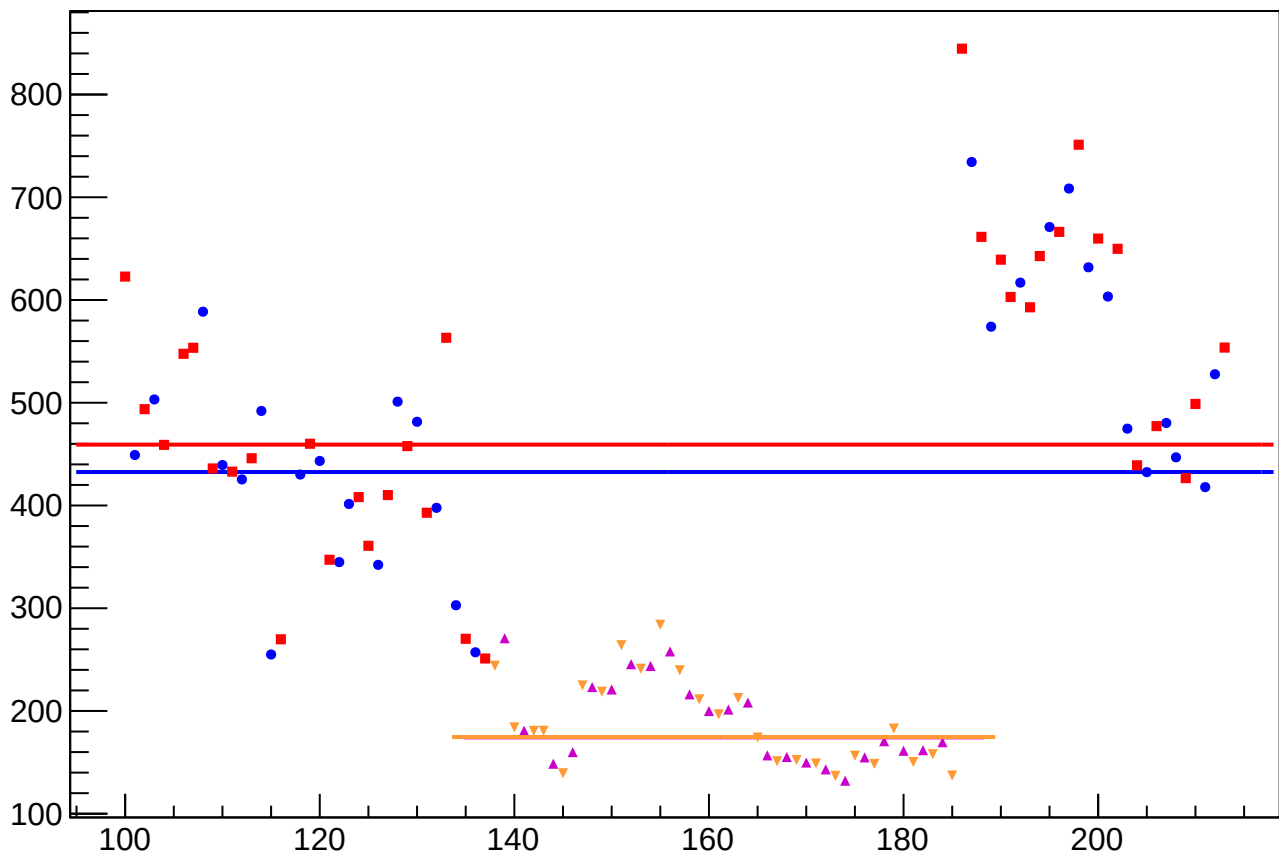
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -214.397 ± 39.077 χ^2/NDF : 98.2/54

All: -135.839 ± 27.944 χ^2/NDF : 164.2/111

- sign -53.623 ± 39.976 χ^2/NDF : 57.8/56

asym_sam_1357_2468_dd_rms vs Slug



Right In: 432.580 $\pm$ 0.080 χ^2 /NDF: 2277373.1/29

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF:1531999.5/24

Right Out: 459.228 $\pm$ 0.081 χ^2 /NDF: 2530828.8/33

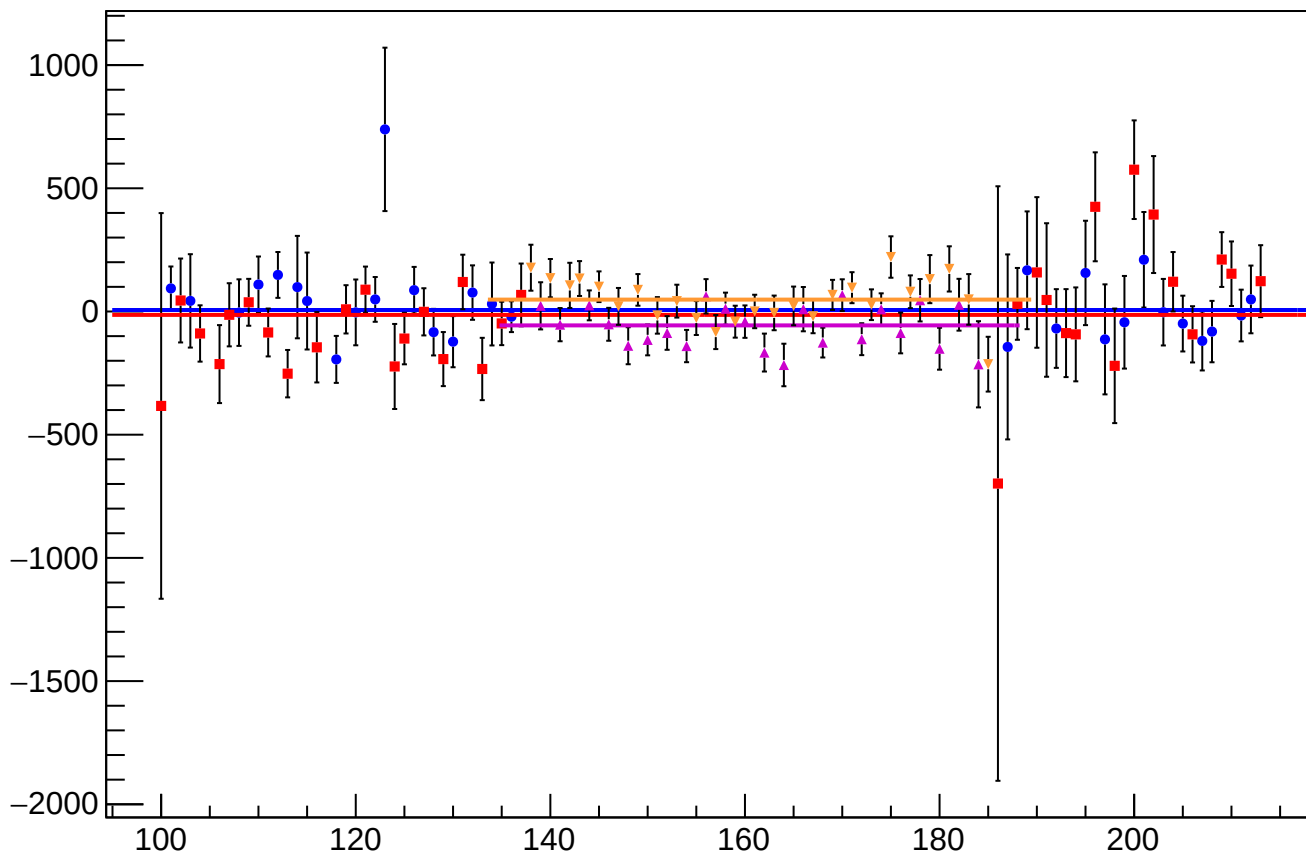
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF:1344779.5/22

+ sign 205.406 $\pm$ 0.028 χ^2 /NDF: 12961389.2/54

All: 206.994 $\pm$ 0.020 χ^2 /NDF: 27621137.8/1

- sign 208.656 $\pm$ 0.028 χ^2 /NDF: 14652991.0/56

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 6.032 ± 22.310 χ^2/NDF : 22.5/29

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -13.769 ± 22.369 χ^2/NDF : 47.3/33

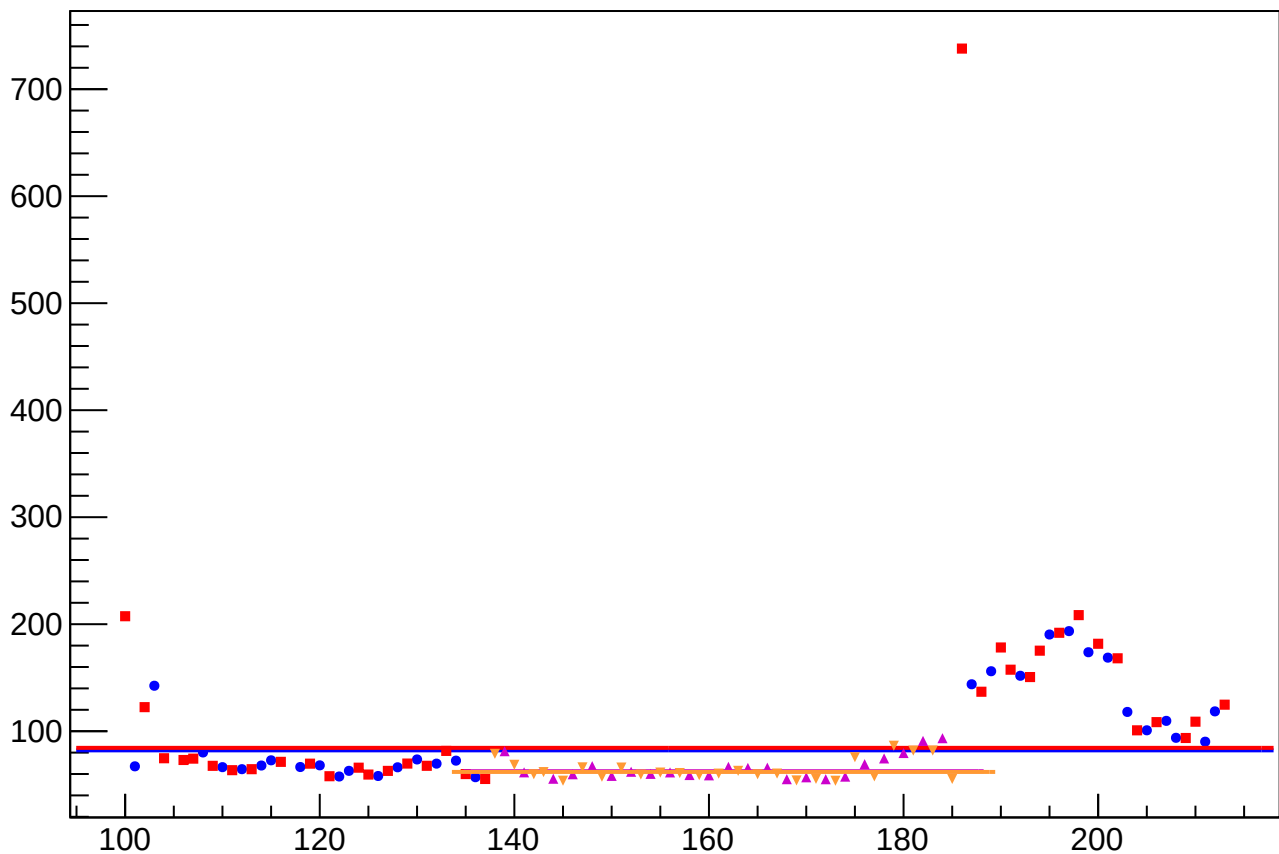
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 35.560 ± 12.226 χ^2/NDF : 54.3/54

All: -2.634 ± 8.761 χ^2/NDF : 151.5/111

- sign -42.958 ± 12.562 χ^2/NDF : 77.2/56

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 82.105+/-0.016 χ^2/NDF : 4157003.8/29

Left Out: 61.946+/-0.010 χ^2/NDF : 604989.2/24

Right Out: 84.442+/-0.016 χ^2/NDF : 522855.8/33

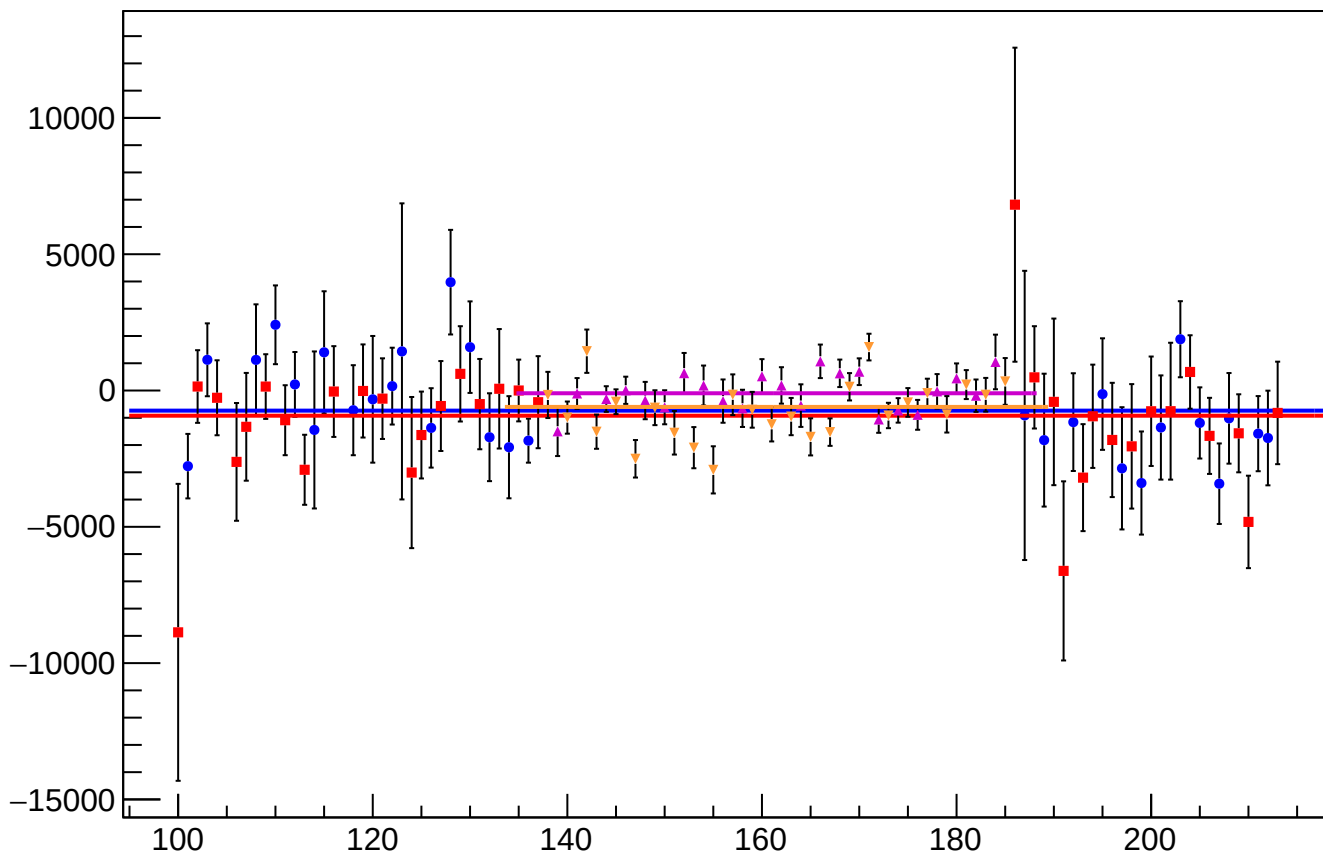
Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

+ sign 68.000+/-0.009 χ^2/NDF : 5904523.5/54

All: 68.726+/-0.006 χ^2/NDF : 13027745.2/111

- sign 69.493+/-0.009 χ^2/NDF : 7108713.4/56

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -737.821 ± 292.386 χ^2/NDF : 34.6/29

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -923.716 ± 292.803 χ^2/NDF : 24.6/33

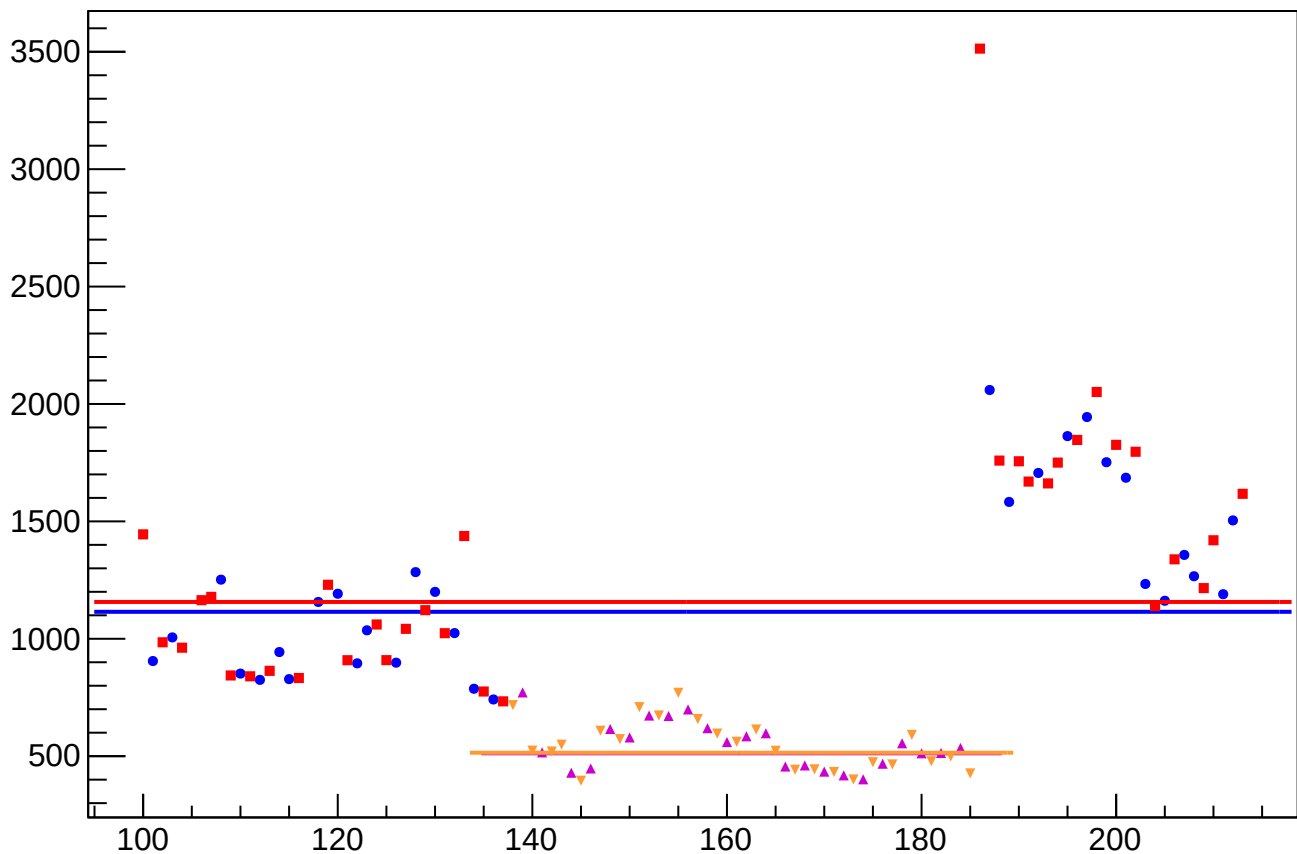
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -621.736 ± 112.685 χ^2/NDF : 100.2/54

All: -427.934 ± 80.400 χ^2/NDF : 162.9/111

- sign -226.972 ± 114.748 χ^2/NDF : 56.7/56

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1114.878 $\pm$ 0.207 χ^2 /NDF: 2418251.4/29

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1156.843 $\pm$ 0.207 χ^2 /NDF: 3115992.3/33

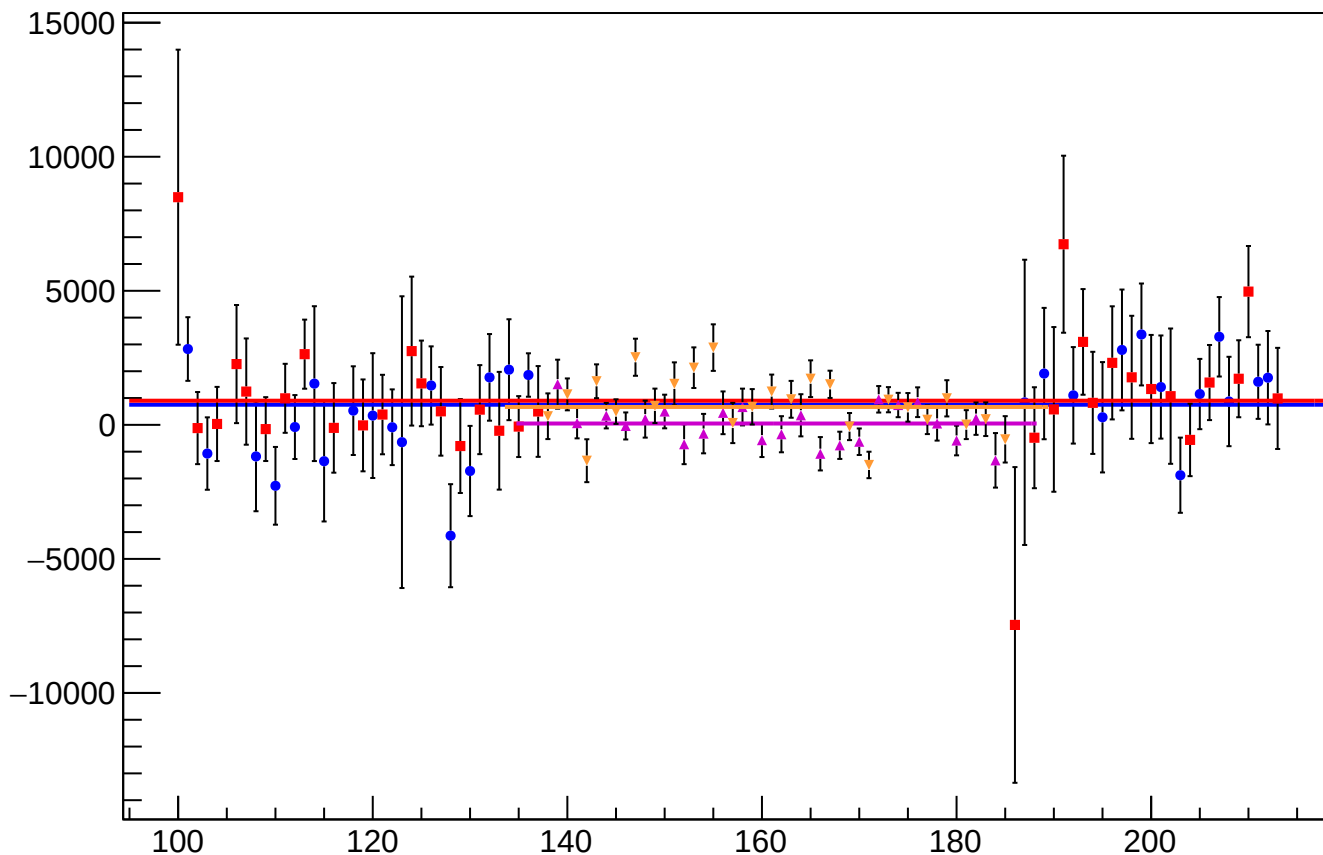
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 603.894 $\pm$ 0.080 χ^2 /NDF: 10787202.2/54

All: 607.483 $\pm$ 0.057 χ^2 /NDF: 23154123.3/11

- sign 611.205 $\pm$ 0.081 χ^2 /NDF: 12362788.8/56

asym_sam_12345678_avg_mean vs Slug



Right In: 751.266+/-293.467 χ^2/NDF : 34.1/29

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 900.787+/-294.005 χ^2/NDF : 24.4/33

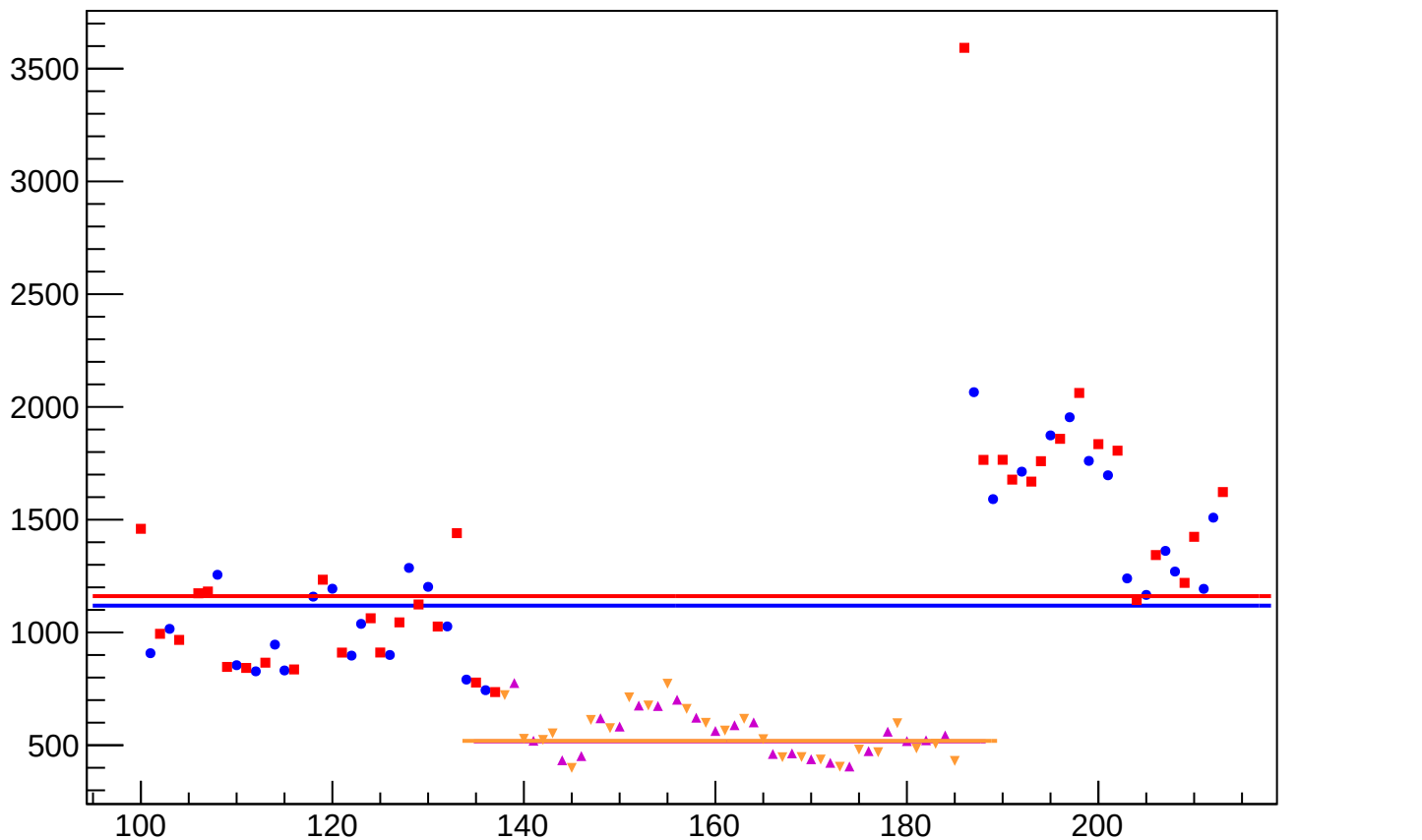
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 680.147+/-113.553 χ^2/NDF : 95.6/54

All: 435.524+/-81.029 χ^2/NDF : 162.6/111

- sign 181.736+/-115.661 χ^2/NDF : 57.5/56

asym_sam_12345678_avg_rms vs Slug



Right In: 1118.878+/-0.208 χ^2/NDF : 2424782.8/29

Left Out: 519.254+/-0.087 χ^2/NDF : 1172411.1/24

Right Out: 1161.090+/-0.208 χ^2/NDF : 3130001.7/33

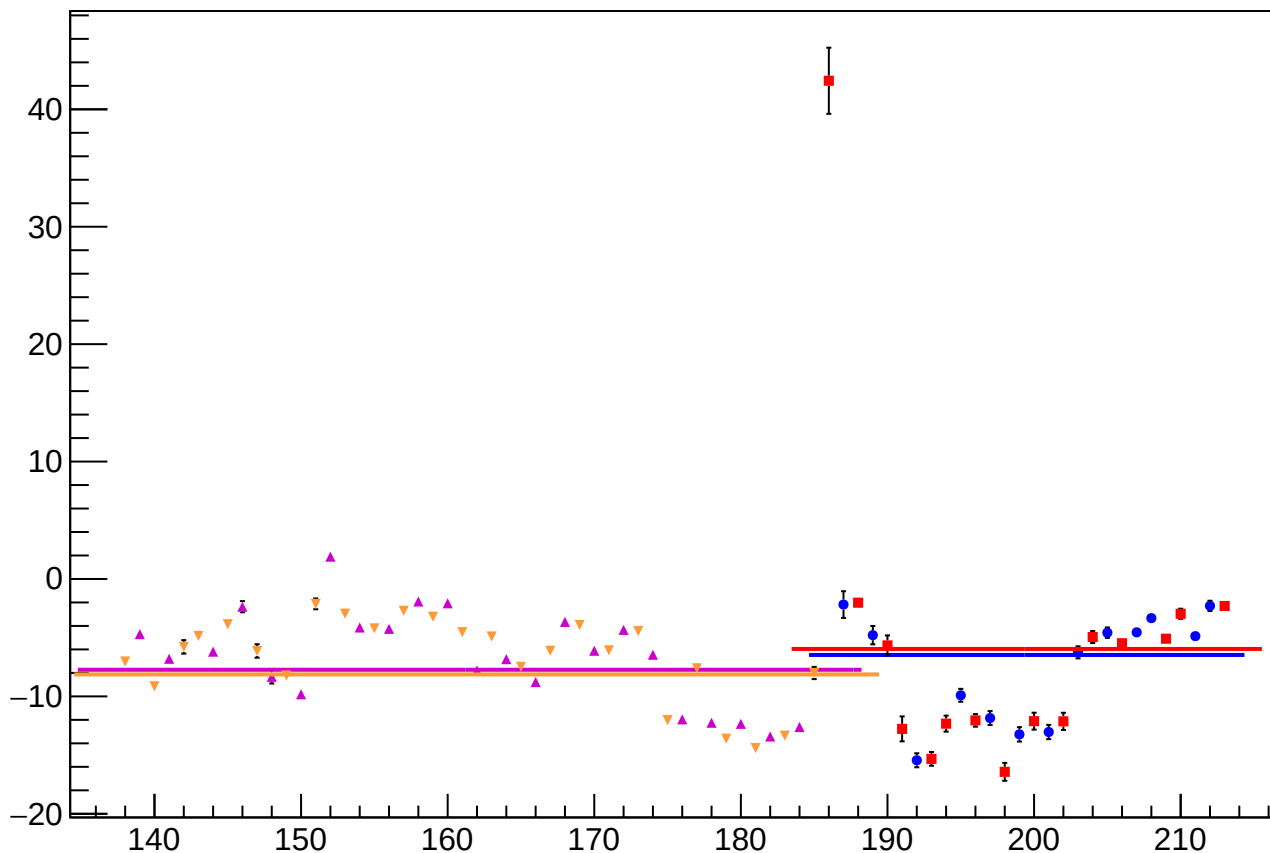
Left In: 516.792+/-0.089 χ^2/NDF : 1021374.1/22

+ sign 609.030+/-0.080 χ^2/NDF : 10696772.2/54

All: 612.699+/-0.057 χ^2/NDF : 22970884.4/11

- sign 616.505+/-0.082 χ^2/NDF : 12269858.5/56

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -6.472 ± 0.137 $\chi^2/\text{NDF}: 829.2/12$

Left Out: -8.127 ± 0.067 $\chi^2/\text{NDF}: 3635.5/24$

Right Out: -5.959 ± 0.127 $\chi^2/\text{NDF}: 1473.0/14$

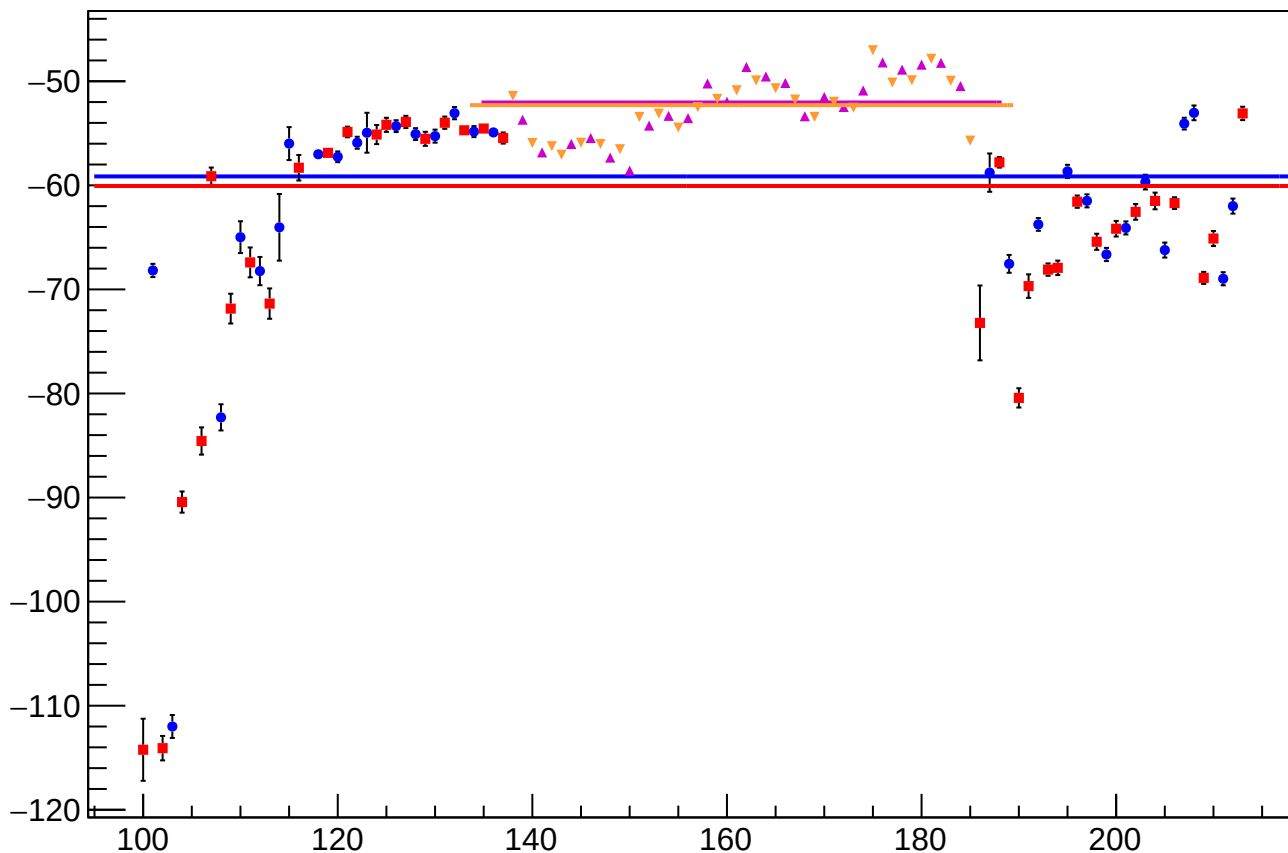
Left In: -7.732 ± 0.069 $\chi^2/\text{NDF}: 3719.0/22$

+ sign -7.805 ± 0.060 $\chi^2/\text{NDF}: 4582.4/37$

All: -7.568 ± 0.043 $\chi^2/\text{NDF}: 9955.0/75$

- sign -7.331 ± 0.061 $\chi^2/\text{NDF}: 5342.0/37$

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.144 ± 0.114 χ^2/NDF : 4457.6/29

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -60.064 ± 0.112 χ^2/NDF : 6373.9/33

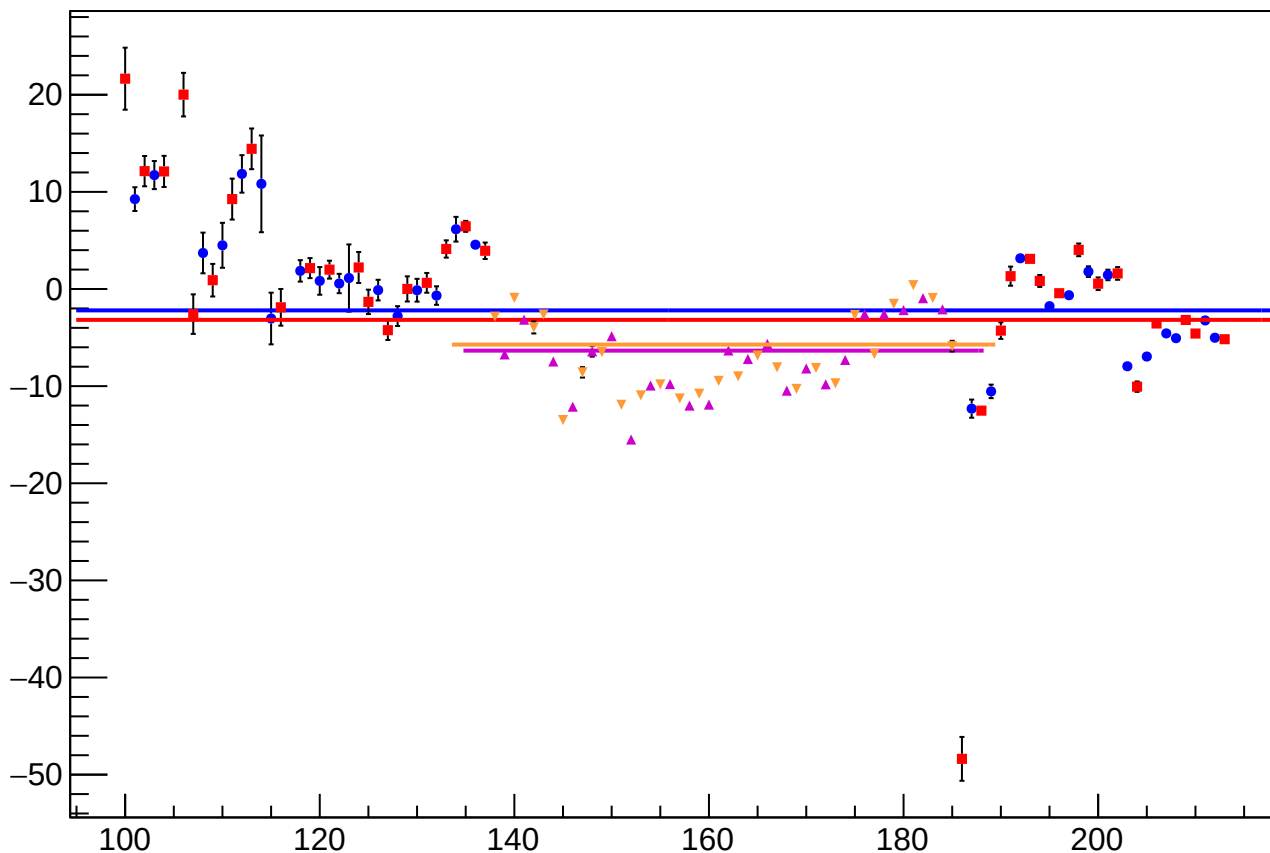
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.587 ± 0.050 χ^2/NDF : 10027.7/54

All: -53.640 ± 0.036 χ^2/NDF : 23660.8/111

- sign -53.697 ± 0.051 χ^2/NDF : 13630.6/56

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -2.200 ± 0.116 $\chi^2/\text{NDF}: 1476.5/29$

Left Out: -5.722 ± 0.068 $\chi^2/\text{NDF}: 3983.0/24$

Right Out: -3.177 ± 0.110 $\chi^2/\text{NDF}: 3239.8/33$

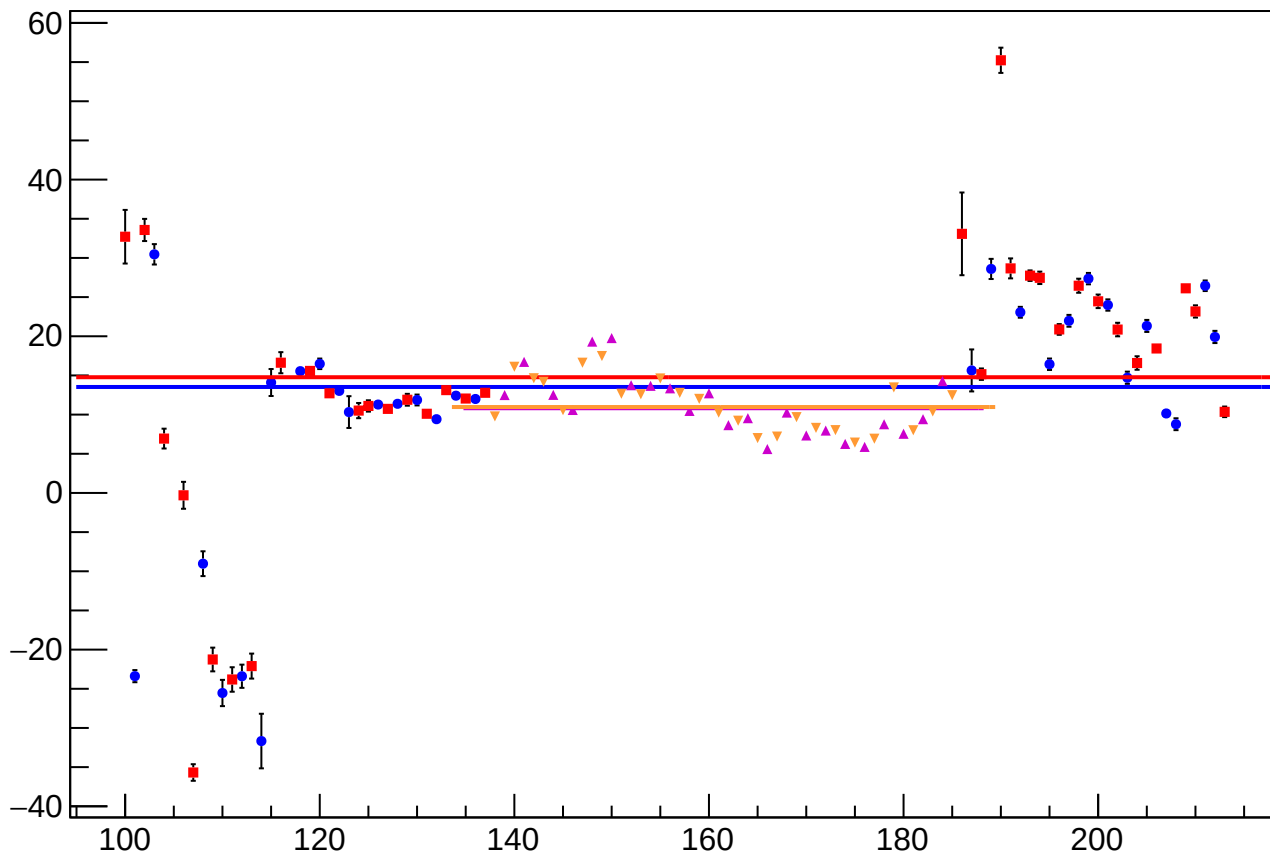
Left In: -6.344 ± 0.069 $\chi^2/\text{NDF}: 3383.7/22$

+ sign -4.833 ± 0.058 $\chi^2/\text{NDF}: 6144.8/54$

All: -5.145 ± 0.041 $\chi^2/\text{NDF}: 13423.7/111$

- sign -5.454 ± 0.058 $\chi^2/\text{NDF}: 7222.3/56$

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.527 $\pm$ 0.127 χ^2 /NDF: 5767.0/29

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 14.772 $\pm$ 0.127 χ^2 /NDF: 6913.3/33

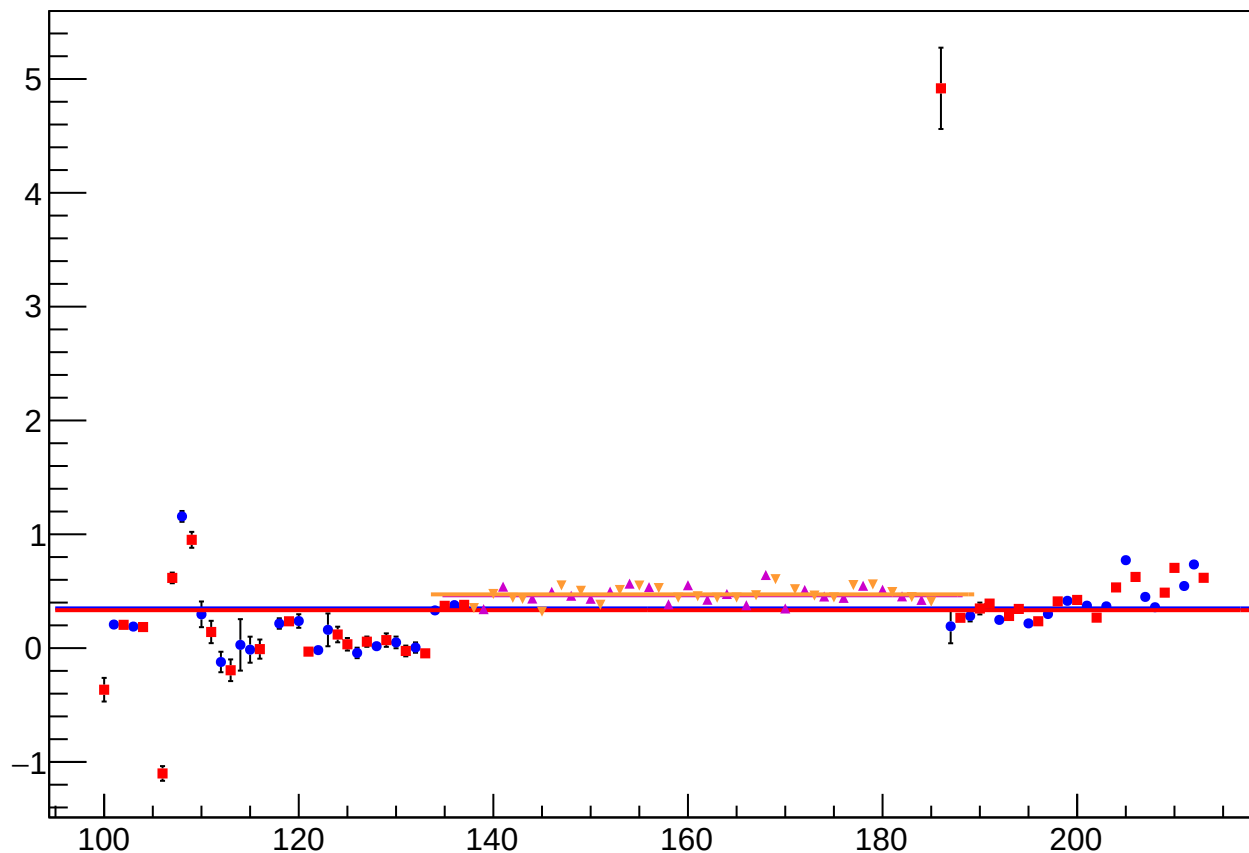
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 11.451 $\pm$ 0.055 χ^2 /NDF: 8733.3/54

All: 11.524 $\pm$ 0.040 χ^2 /NDF: 19978.7/111

- sign 11.600 $\pm$ 0.057 χ^2 /NDF: 11241.9/56

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.349 ± 0.006 $\chi^2/\text{NDF}: 1080.1/29$

Left Out: 0.472 ± 0.003 $\chi^2/\text{NDF}: 519.0/24$

Right Out: 0.333 ± 0.006 $\chi^2/\text{NDF}: 1723.0/33$

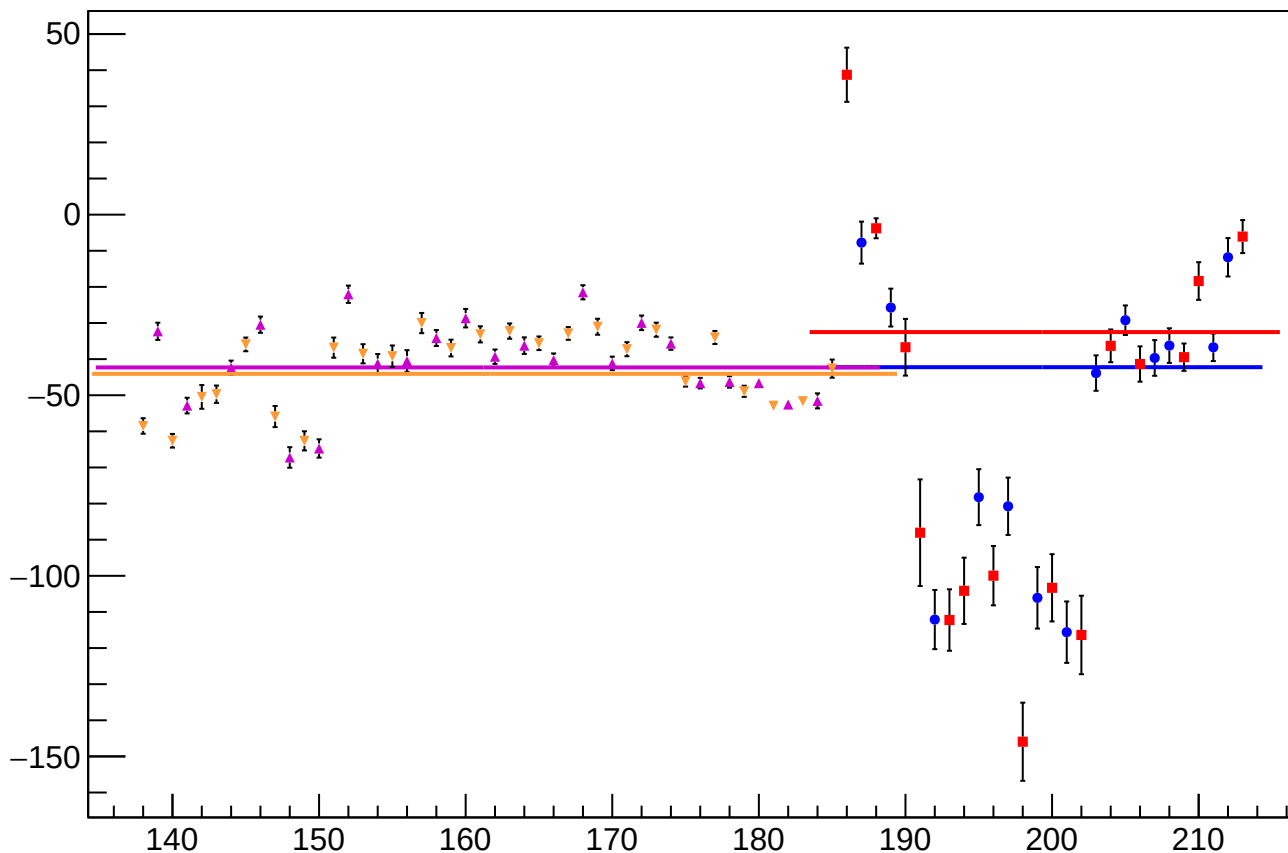
Left In: 0.464 ± 0.003 $\chi^2/\text{NDF}: 733.1/22$

+ sign 0.448 ± 0.002 $\chi^2/\text{NDF}: 1997.9/54$

All: 0.443 ± 0.002 $\chi^2/\text{NDF}: 4905.4/111$

- sign 0.438 ± 0.002 $\chi^2/\text{NDF}: 2900.0/56$

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -42.232 ± 1.524 χ^2/NDF : 340.6/12

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -32.513 ± 1.438 χ^2/NDF : 704.4/14

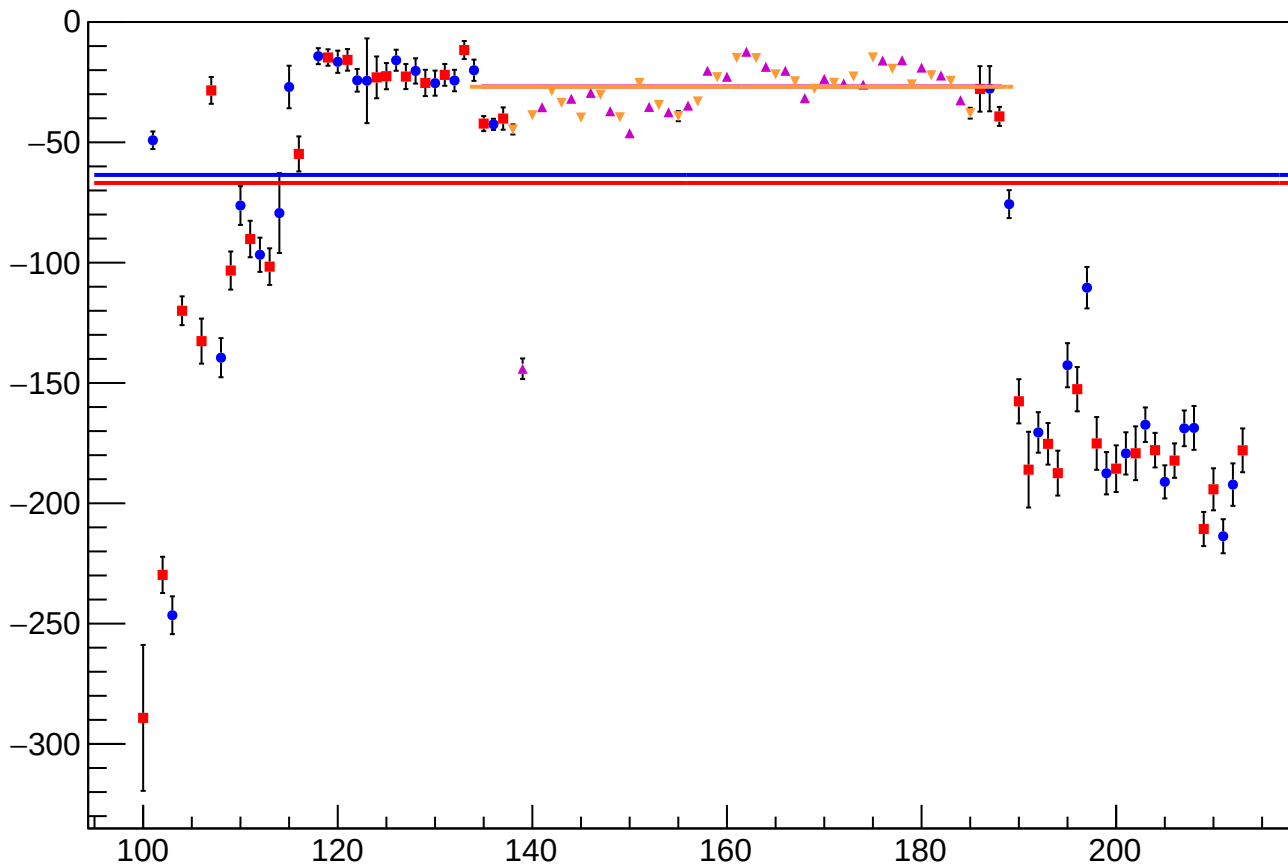
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.965 ± 0.377 χ^2/NDF : 974.5/37

All: -42.809 ± 0.269 χ^2/NDF : 2381.8/75

- sign -41.604 ± 0.385 χ^2/NDF : 1388.0/37

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -63.547 ± 1.017 $\chi^2/\text{NDF}: 3790.6/29$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -66.884 ± 1.043 $\chi^2/\text{NDF}: 3998.5/33$

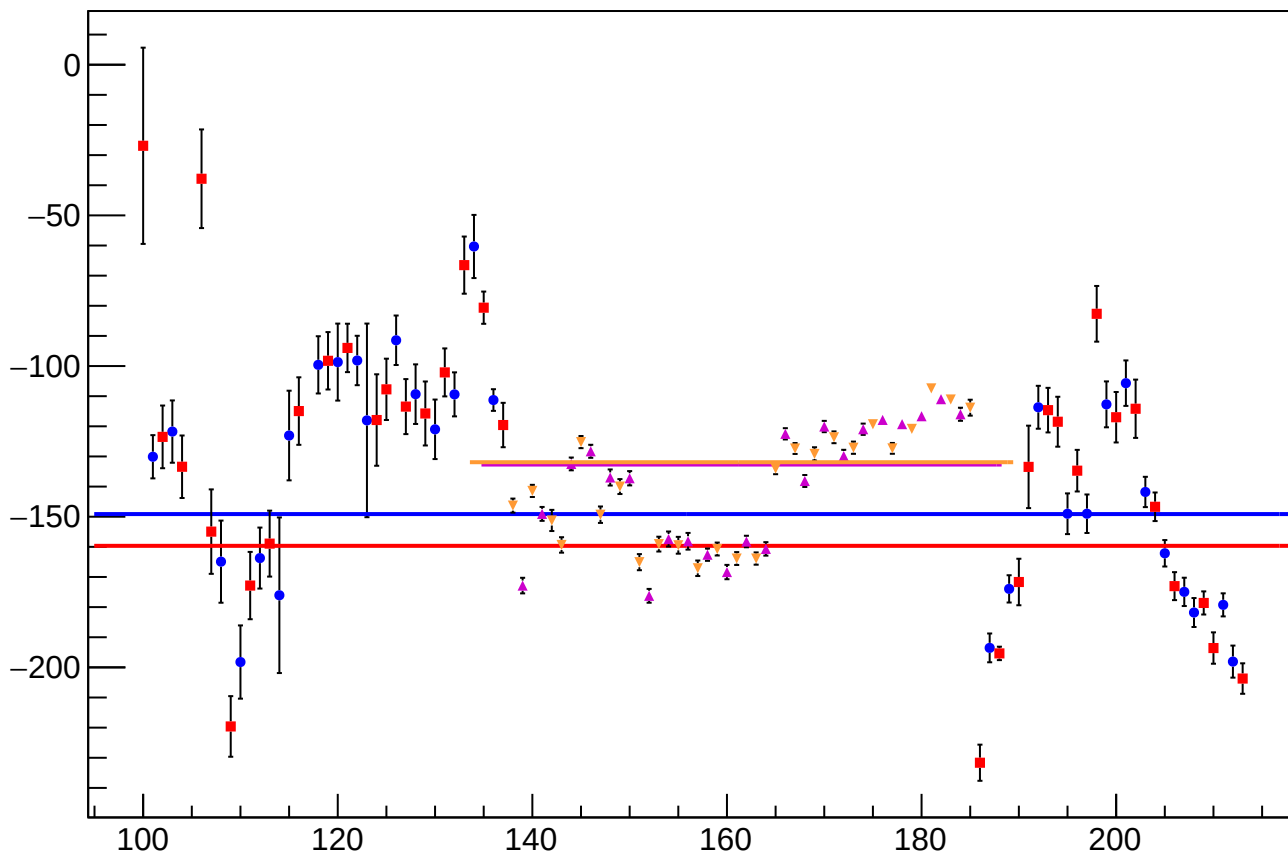
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -30.133 ± 0.302 $\chi^2/\text{NDF}: 5605.3/54$

All: -30.239 ± 0.217 $\chi^2/\text{NDF}: 12346.5/111$

- sign -30.352 ± 0.311 $\chi^2/\text{NDF}: 6741.0/56$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -149.125 ± 1.189 χ^2/NDF : 837.4/29

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -159.664 ± 1.132 χ^2/NDF : 1482.3/33

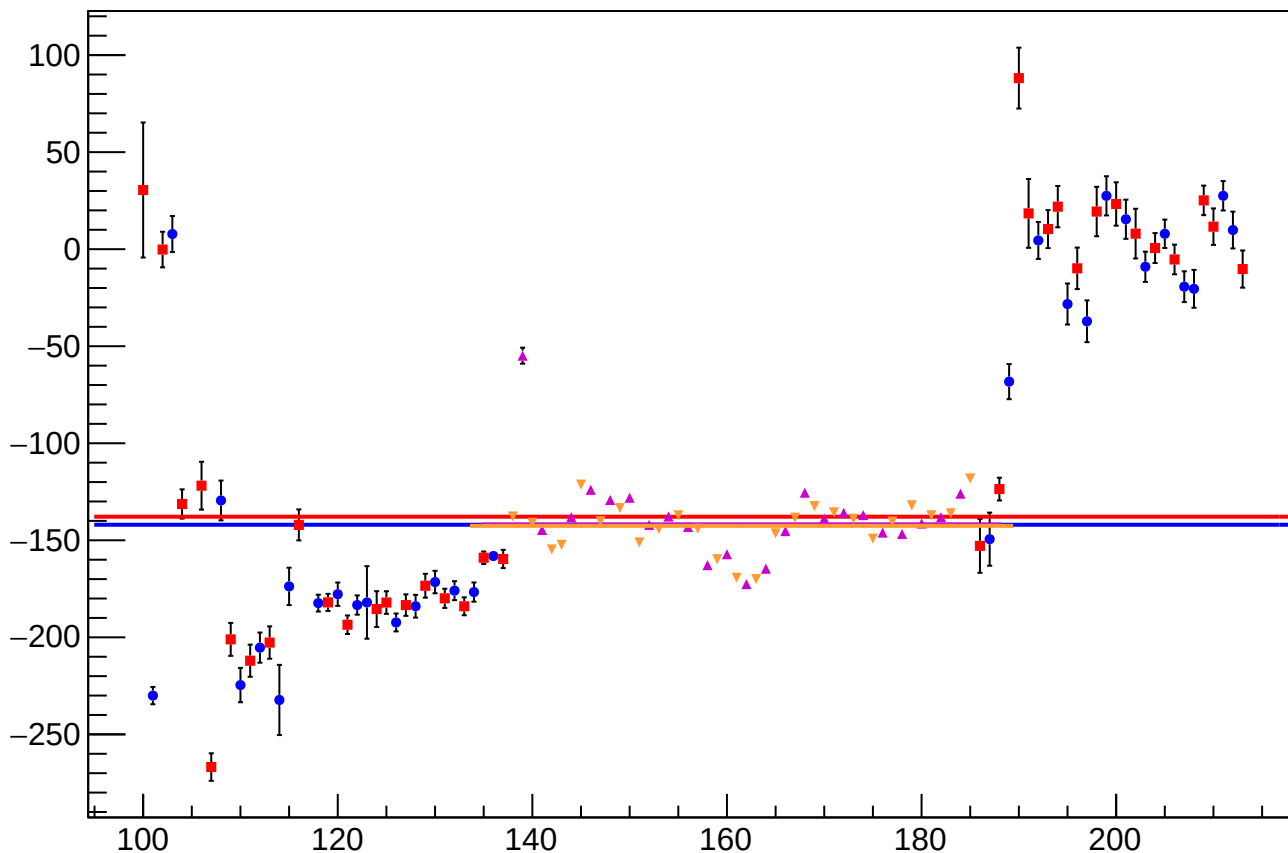
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -133.596 ± 0.372 χ^2/NDF : 3465.9/54

All: -134.623 ± 0.265 χ^2/NDF : 7949.0/111

- sign -135.677 ± 0.377 χ^2/NDF : 4467.7/56

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -141.993 ± 1.141 χ^2/NDF : 4279.7/29

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -137.841 ± 1.191 χ^2/NDF : 4332.0/33

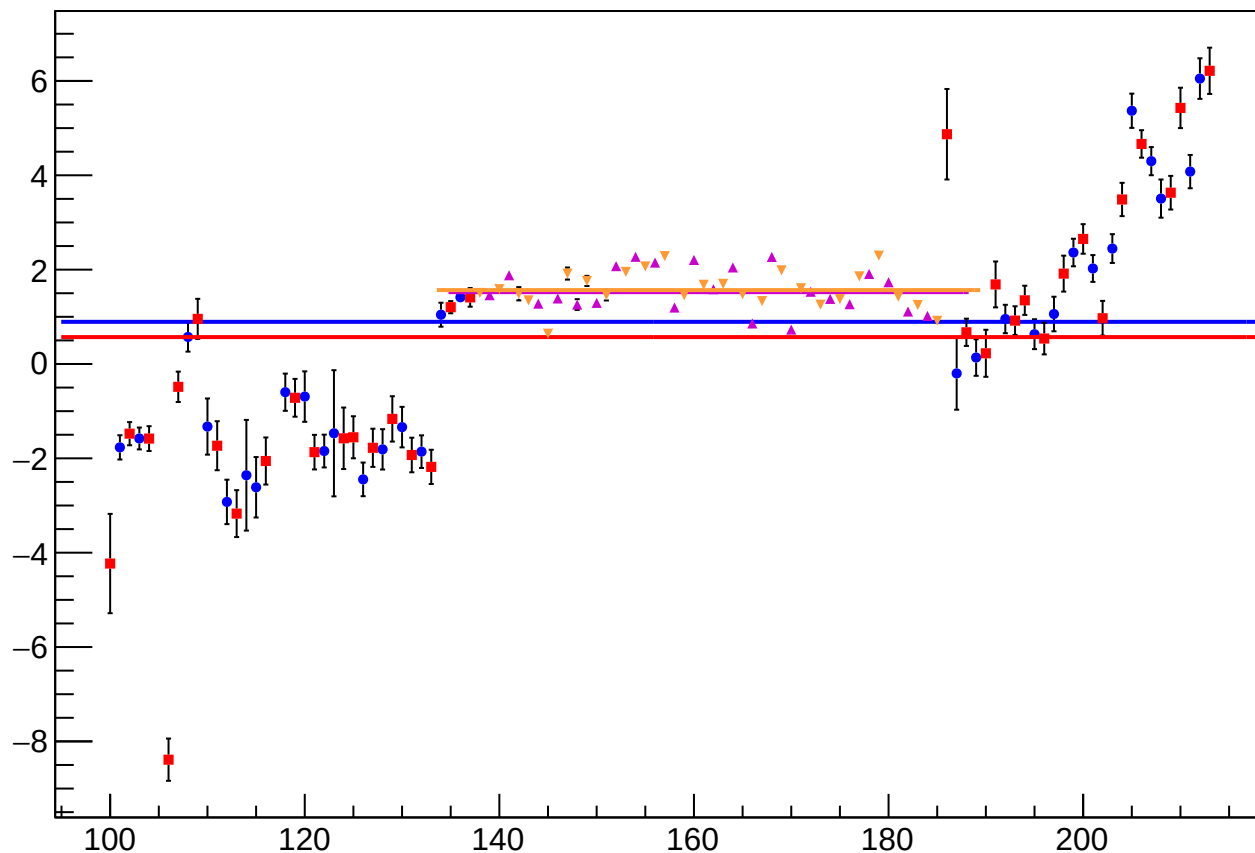
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -142.514 ± 0.338 χ^2/NDF : 5427.6/54

All: -142.028 ± 0.242 χ^2/NDF : 11318.5/111

- sign -141.514 ± 0.348 χ^2/NDF : 5886.7/56

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.894 ± 0.055 χ^2/NDF : 1297.2/29

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.570 ± 0.057 χ^2/NDF : 1646.1/33

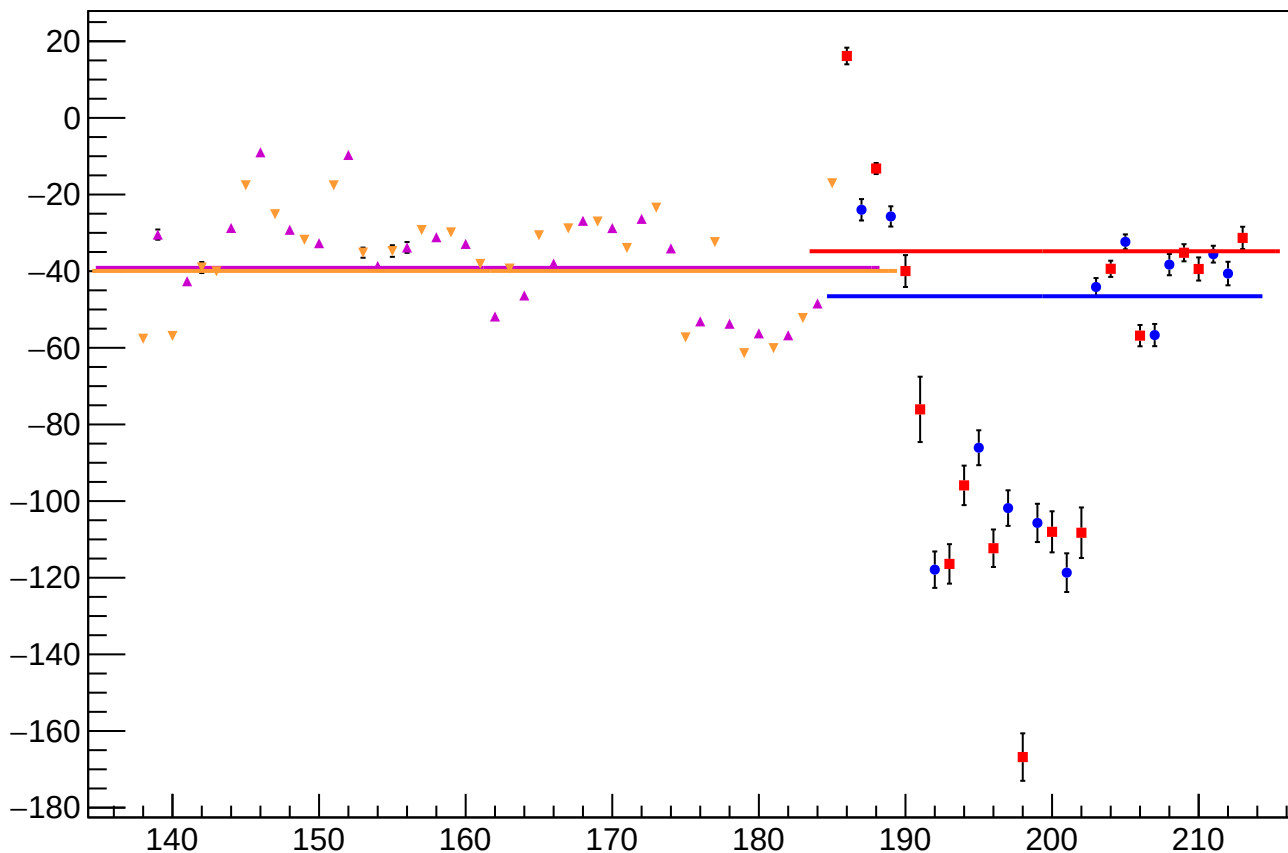
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.512 ± 0.016 χ^2/NDF : 1977.9/54

All: 1.481 ± 0.011 χ^2/NDF : 4629.7/111

- sign 1.449 ± 0.016 χ^2/NDF : 2643.6/56

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -46.543 ± 0.817 $\chi^2/\text{NDF}: 1017.8/12$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -34.803 ± 0.756 $\chi^2/\text{NDF}: 2279.4/14$

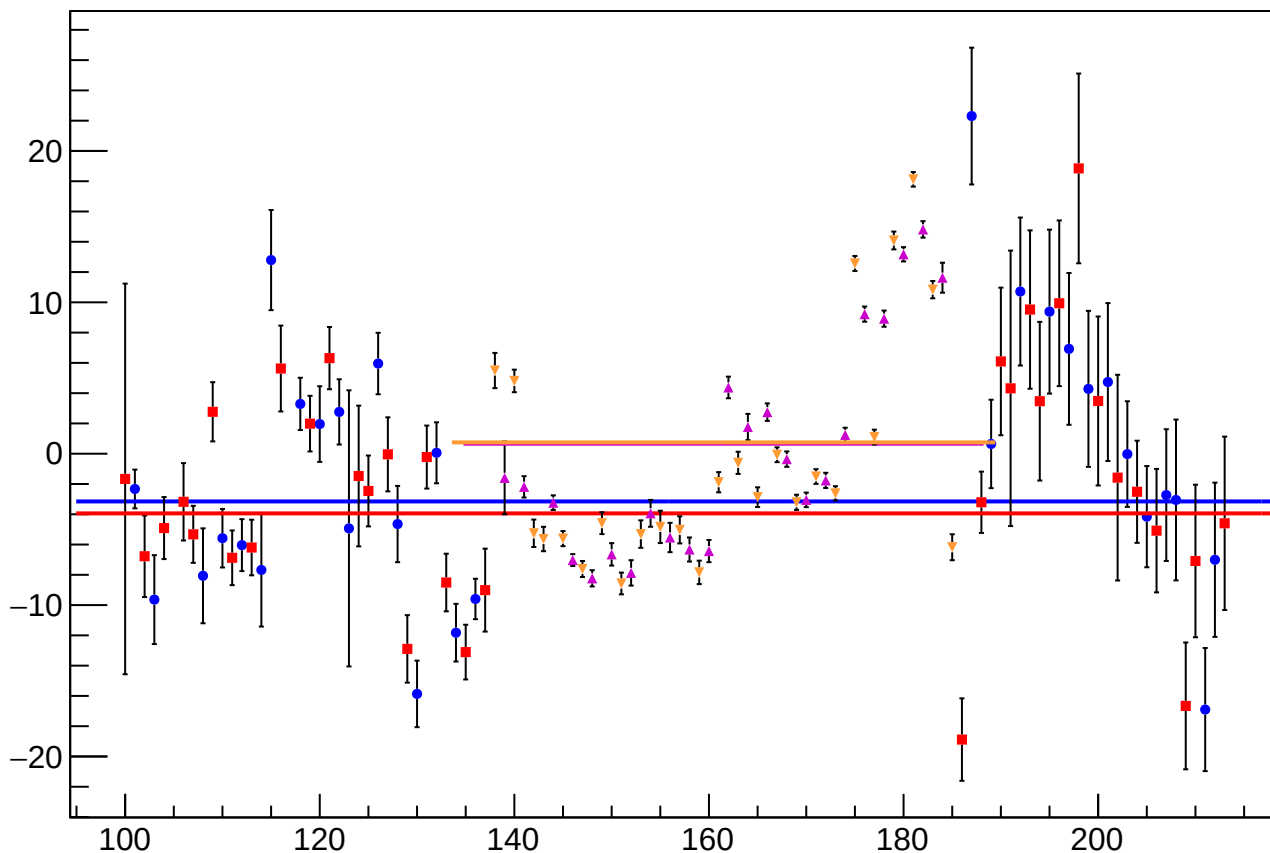
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -40.159 ± 0.151 $\chi^2/\text{NDF}: 10887.5/37$

All: -39.565 ± 0.107 $\chi^2/\text{NDF}: 21764.2/75$

- sign -38.963 ± 0.152 $\chi^2/\text{NDF}: 10845.4/37$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.153 ± 0.460 $\chi^2/\text{NDF}: 231.2/29$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.941 ± 0.458 $\chi^2/\text{NDF}: 197.4/33$

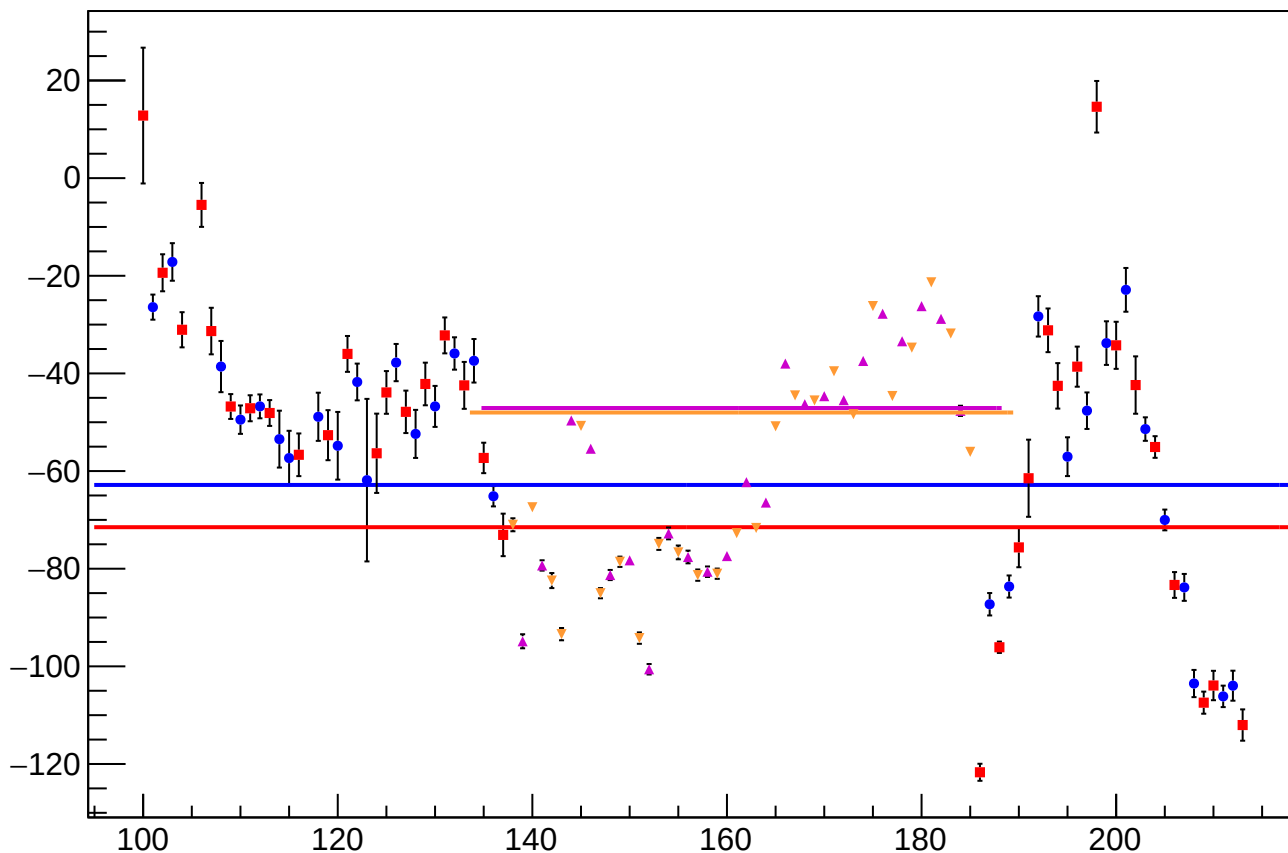
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.484 ± 0.120 $\chi^2/\text{NDF}: 4269.1/54$

All: 0.414 ± 0.085 $\chi^2/\text{NDF}: 7899.2/111$

- sign 0.344 ± 0.120 $\chi^2/\text{NDF}: 3629.4/56$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -62.843 ± 0.585 χ^2/NDF : 1914.1/29

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -71.498 ± 0.538 χ^2/NDF : 3719.0/33

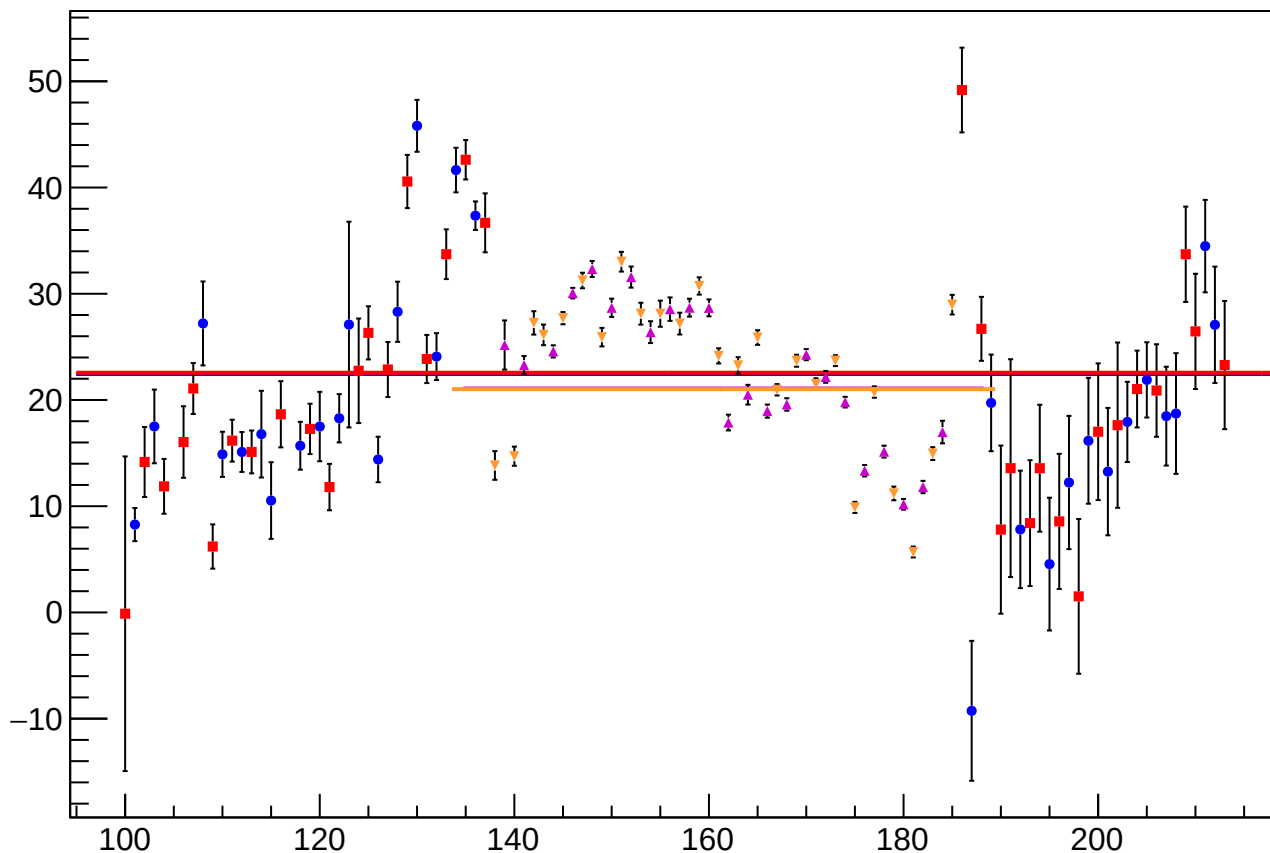
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.977 ± 0.150 χ^2/NDF : 19465.1/54

All: -48.970 ± 0.106 χ^2/NDF : 40600.1/111

- sign -48.964 ± 0.149 χ^2/NDF : 21135.0/56

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.445 ± 0.519 $\chi^2/\text{NDF}: 514.5/29$

Left Out: 21.020 ± 0.139 $\chi^2/\text{NDF}: 2799.3/24$

Right Out: 22.565 ± 0.526 $\chi^2/\text{NDF}: 446.5/33$

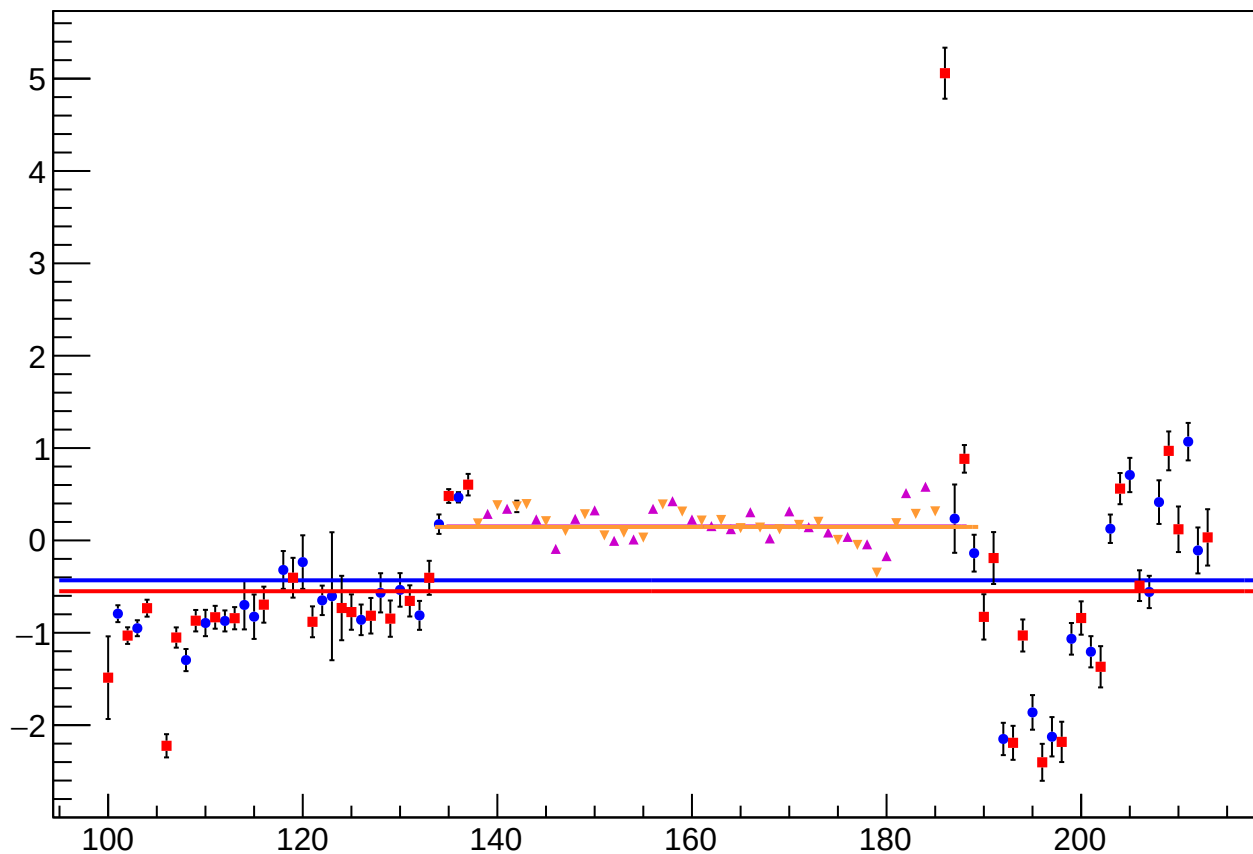
Left In: 21.079 ± 0.140 $\chi^2/\text{NDF}: 2173.2/22$

+ sign 21.115 ± 0.134 $\chi^2/\text{NDF}: 3320.8/54$

All: 21.146 ± 0.095 $\chi^2/\text{NDF}: 5948.1/111$

- sign 21.177 ± 0.135 $\chi^2/\text{NDF}: 2627.2/56$

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.432 ± 0.026 $\chi^2/\text{NDF}: 819.8/29$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.550 ± 0.026 $\chi^2/\text{NDF}: 1412.5/33$

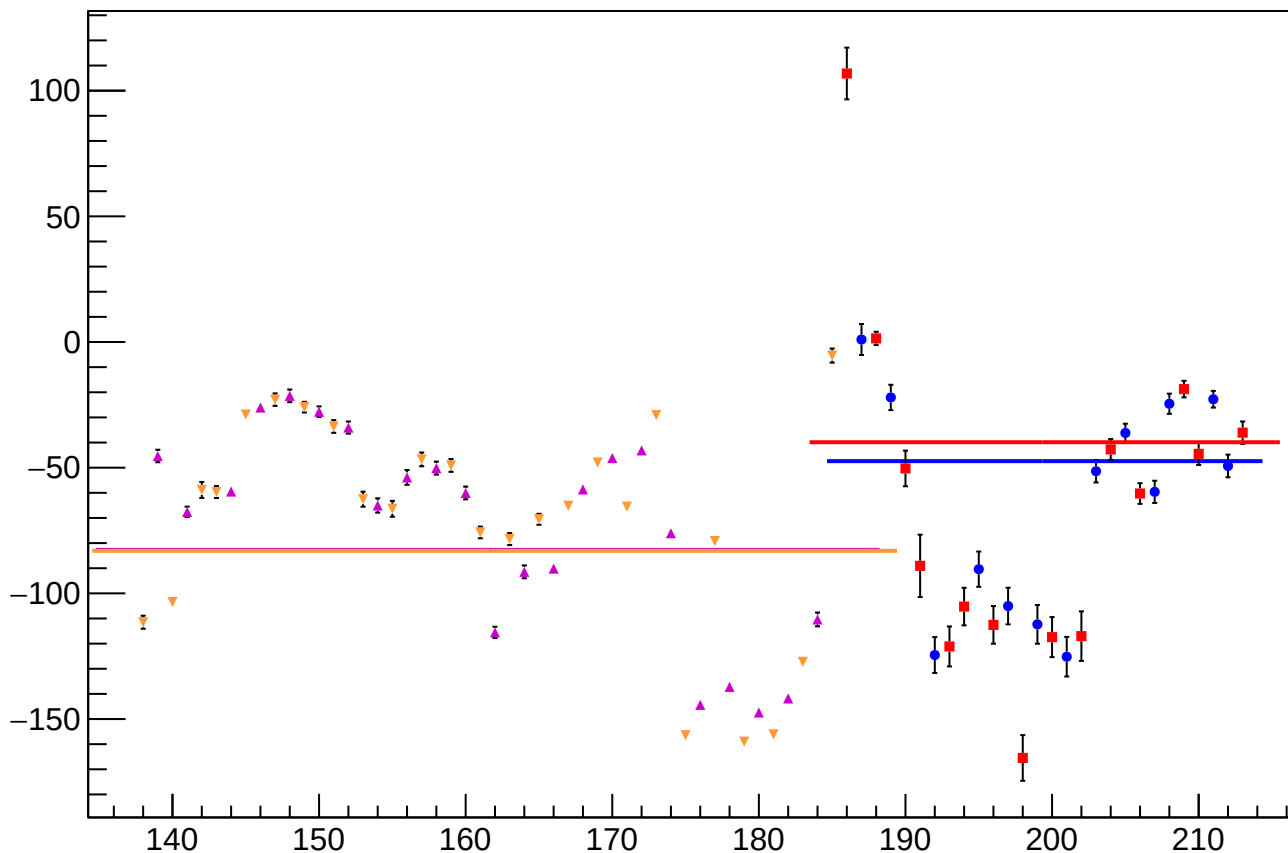
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.115 ± 0.006 $\chi^2/\text{NDF}: 1887.1/54$

All: 0.113 ± 0.004 $\chi^2/\text{NDF}: 4846.8/111$

- sign 0.112 ± 0.006 $\chi^2/\text{NDF}: 2959.6/56$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -47.400 ± 1.369 $\chi^2/\text{NDF}: 577.4/12$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: -39.880 ± 1.315 $\chi^2/\text{NDF}: 1153.7/14$

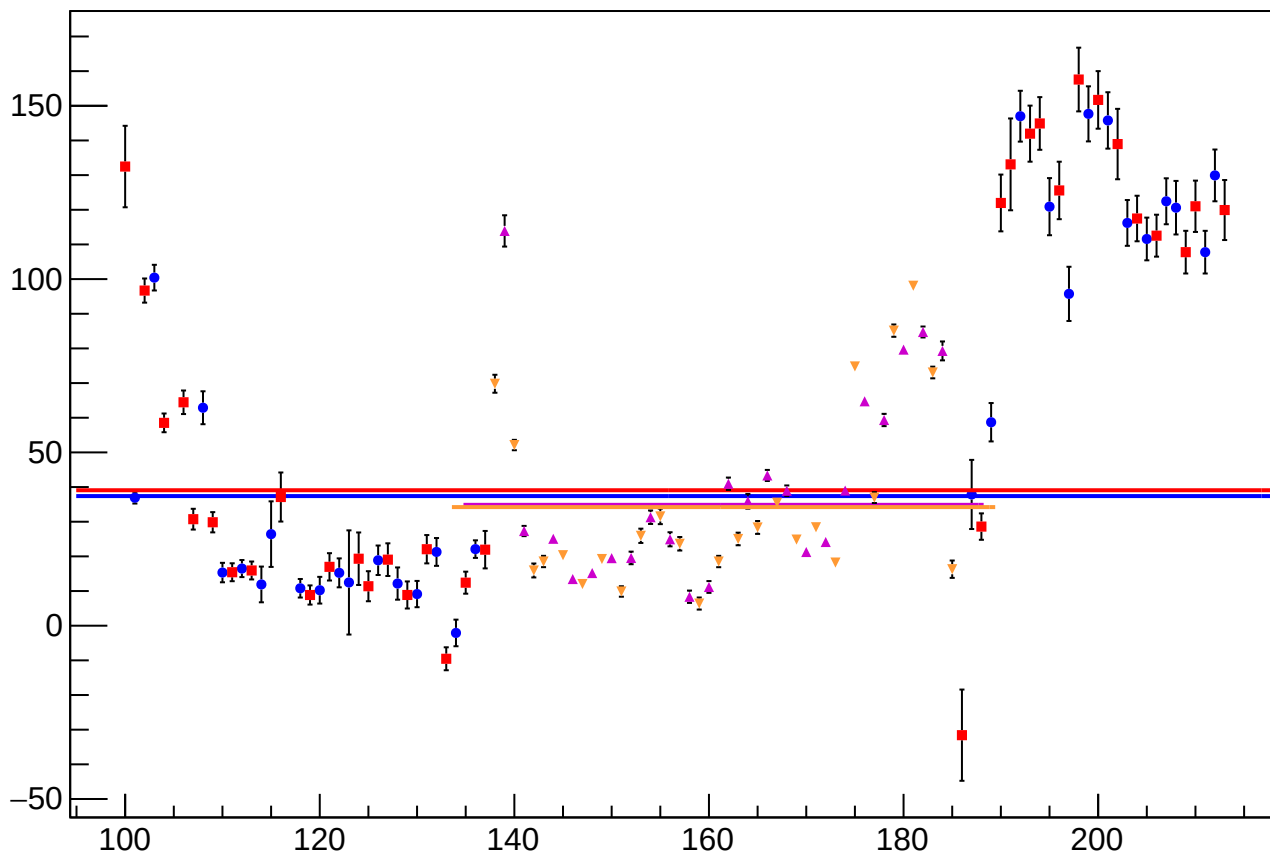
Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

+ sign -80.181 ± 0.390 $\chi^2/\text{NDF}: 15018.4/37$

All: -79.515 ± 0.278 $\chi^2/\text{NDF}: 27984.5/75$

- sign -78.828 ± 0.396 $\chi^2/\text{NDF}: 12960.2/37$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 37.396 $\pm$ 0.747 χ^2 /NDF: 2538.5/29

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF: 6192.6/24

Right Out: 39.082 $\pm$ 0.744 χ^2 /NDF: 2939.6/33

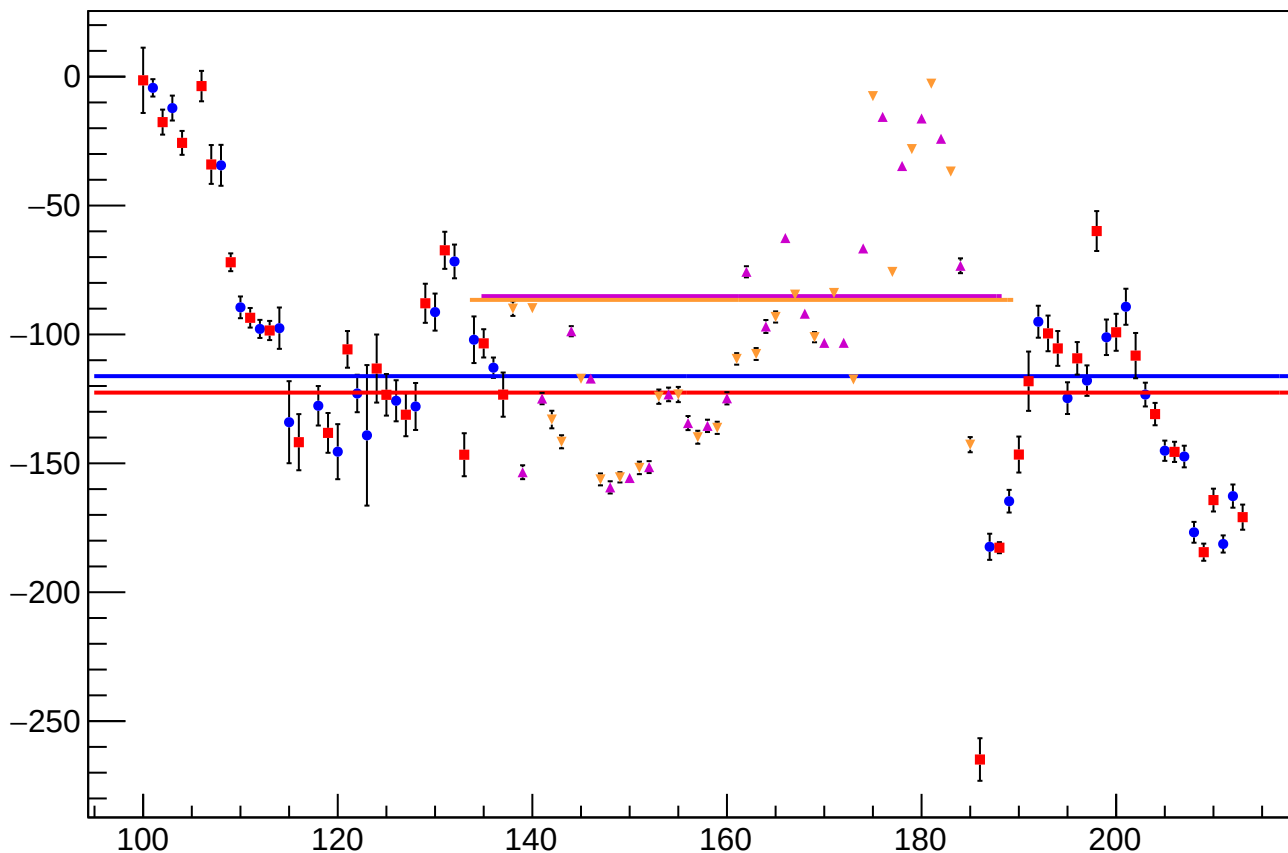
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF: 4716.1/22

+ sign 34.712 $\pm$ 0.294 χ^2 /NDF: 8746.3/54

All: 35.126 $\pm$ 0.210 χ^2 /NDF: 16432.9/111

- sign 35.560 $\pm$ 0.301 χ^2 /NDF: 7682.6/56

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -116.178 ± 0.962 $\chi^2/\text{NDF}: 2972.3/29$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -122.562 ± 0.904 $\chi^2/\text{NDF}: 3737.9/33$

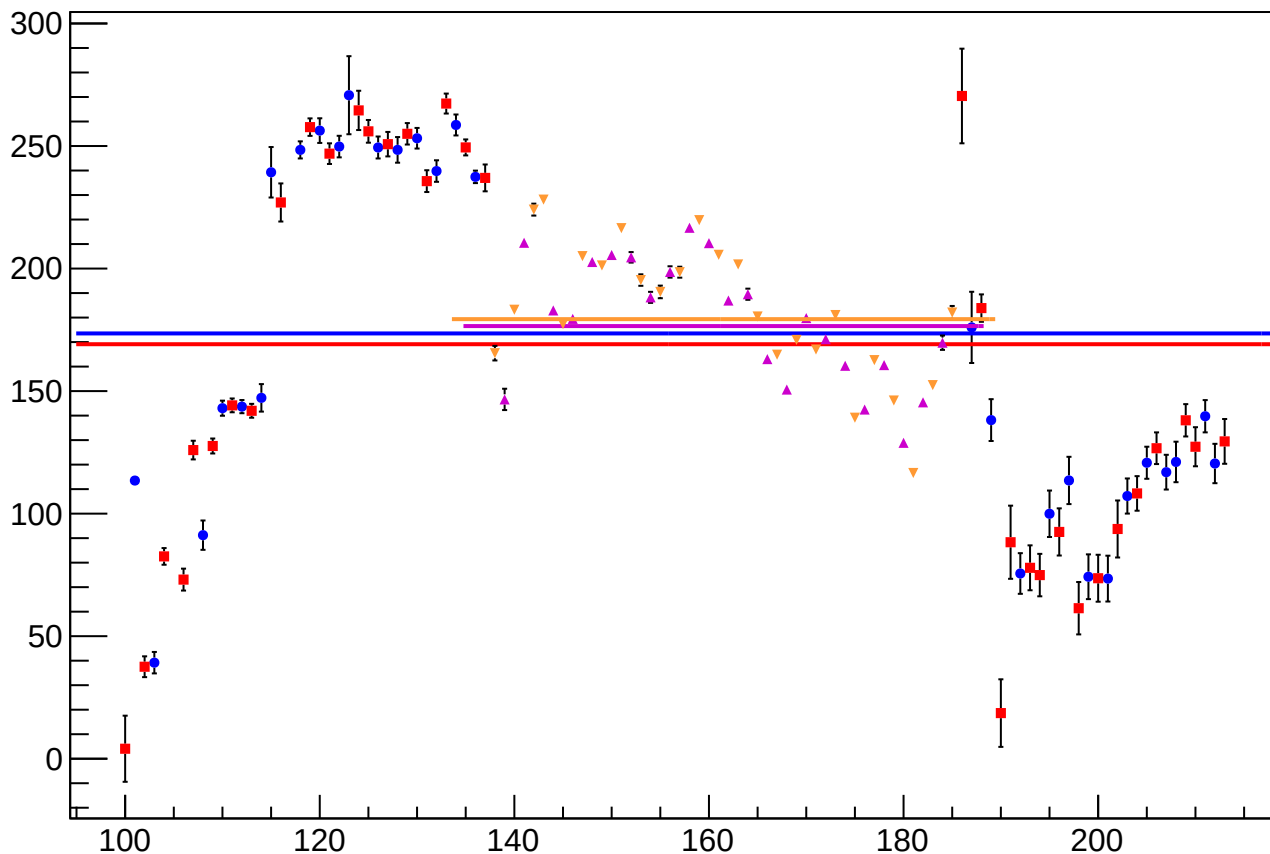
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -91.109 ± 0.376 $\chi^2/\text{NDF}: 18288.5/54$

All: -91.381 ± 0.266 $\chi^2/\text{NDF}: 36285.4/111$

- sign -91.653 ± 0.377 $\chi^2/\text{NDF}: 17995.8/56$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 173.528 +/- 0.853 χ^2/NDF : 6247.3/29

Left Out: 179.359 +/- 0.362 χ^2/NDF : 5982.2/24

Right Out: 169.130 +/- 0.854 χ^2/NDF : 7318.8/33

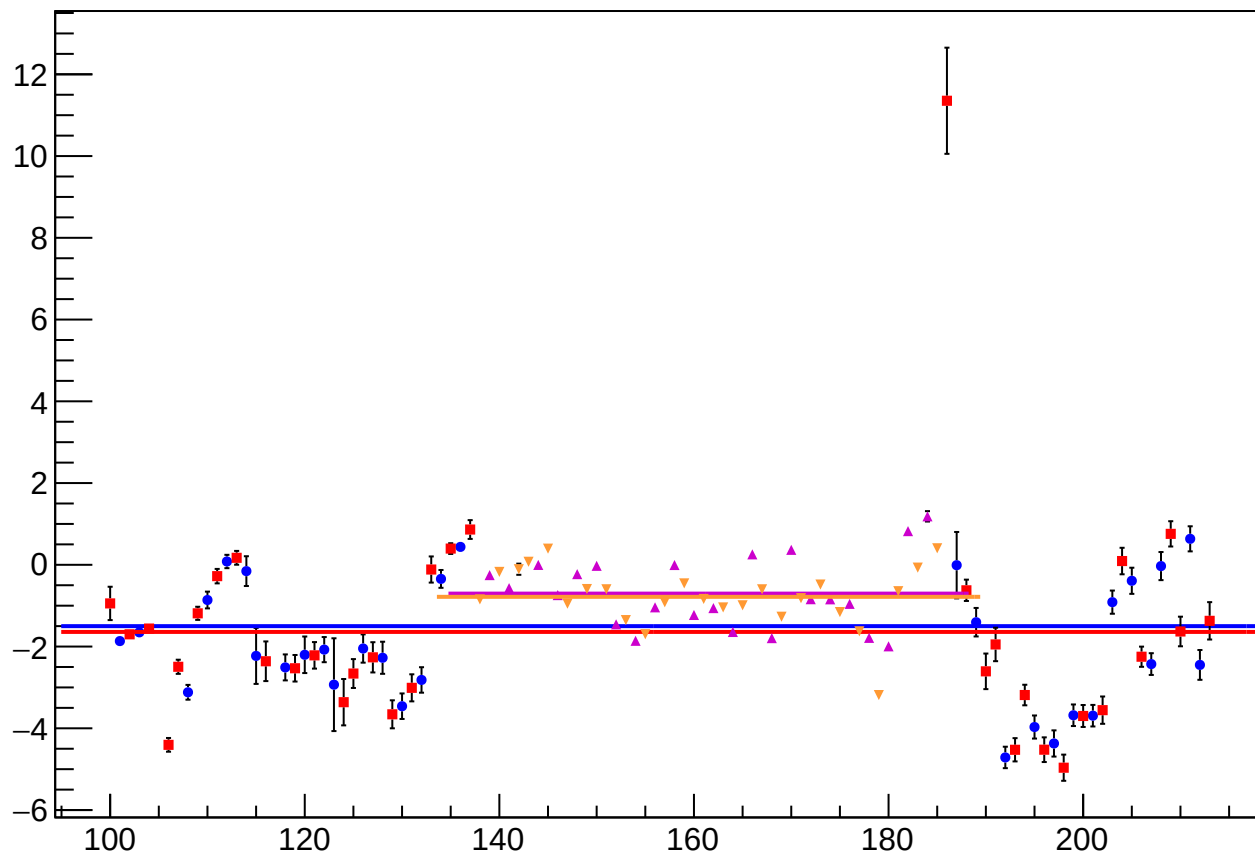
Left In: 176.531 +/- 0.371 χ^2/NDF : 4426.0/22

+ sign 178.469 +/- 0.333 χ^2/NDF : 12269.1/54

All: 176.946 +/- 0.238 χ^2/NDF : 24119.8/111

- sign 175.357 +/- 0.340 χ^2/NDF : 11808.0/56

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.501 ± 0.042 $\chi^2/\text{NDF}: 1209.9/29$

Left Out: -0.783 ± 0.017 $\chi^2/\text{NDF}: 1771.6/24$

Right Out: -1.642 ± 0.040 $\chi^2/\text{NDF}: 1596.5/33$

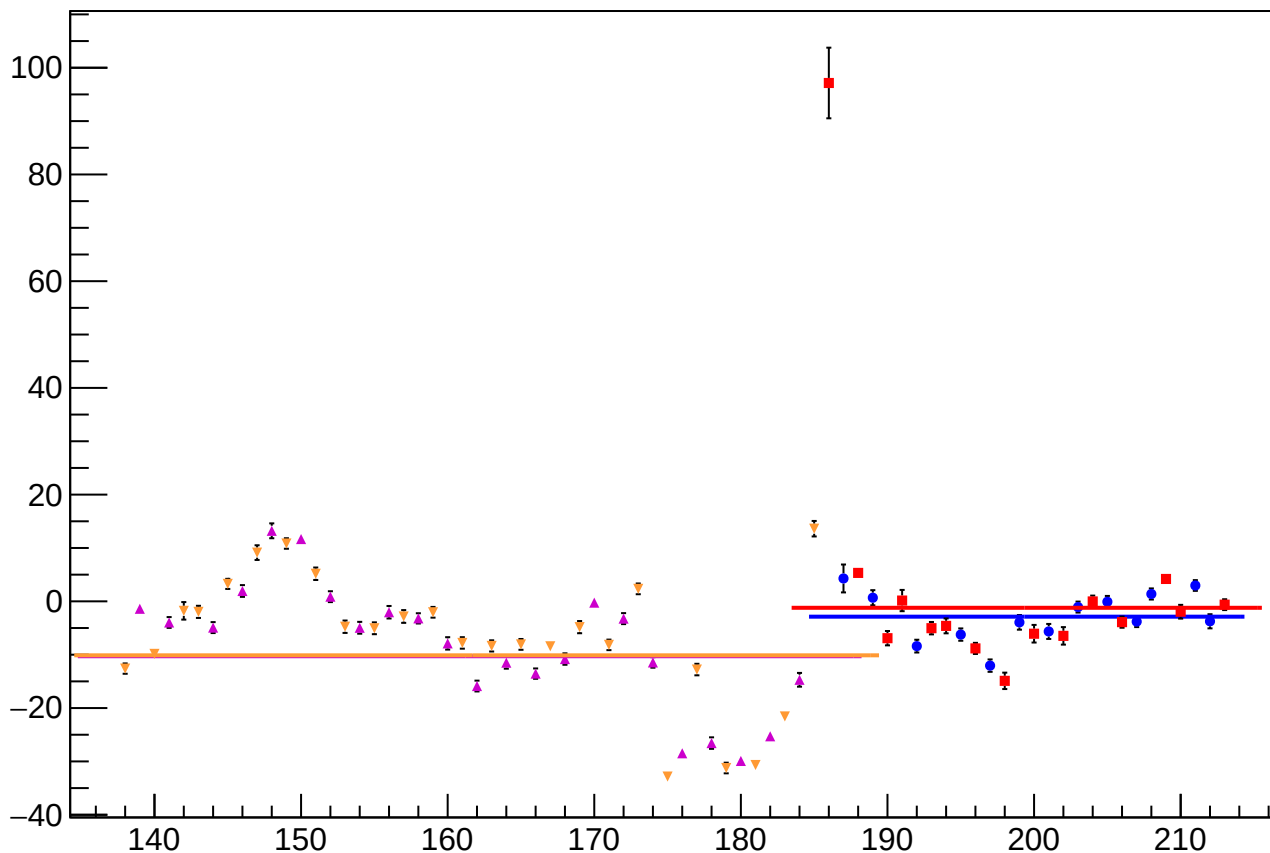
Left In: -0.705 ± 0.017 $\chi^2/\text{NDF}: 2407.7/22$

+ sign -0.881 ± 0.015 $\chi^2/\text{NDF}: 3234.4/54$

All: -0.864 ± 0.011 $\chi^2/\text{NDF}: 7705.1/111$

- sign -0.847 ± 0.016 $\chi^2/\text{NDF}: 4468.3/56$

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.874 ± 0.333 χ^2/NDF : 171.3/12

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.210 ± 0.298 χ^2/NDF : 558.5/14

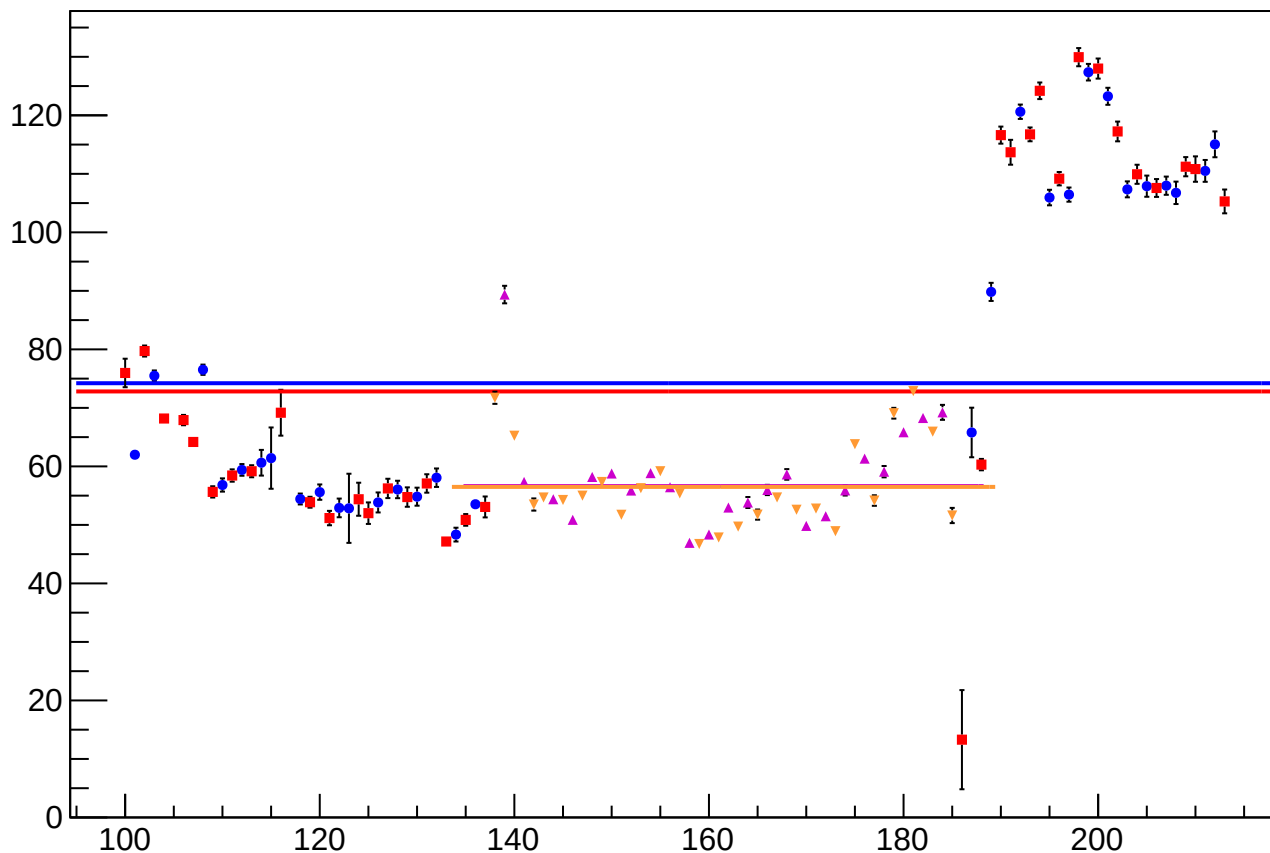
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -8.173 ± 0.172 χ^2/NDF : 4656.6/37

All: -7.764 ± 0.121 χ^2/NDF : 9305.4/75

- sign -7.370 ± 0.169 χ^2/NDF : 4637.8/37

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 74.215+/-0.225 χ^2 /NDF: 11356.4/29

Left Out: 56.496+/-0.159 χ^2 /NDF:1968.0/24

Right Out: 72.809+/-0.210 χ^2 /NDF: 14654.2/33

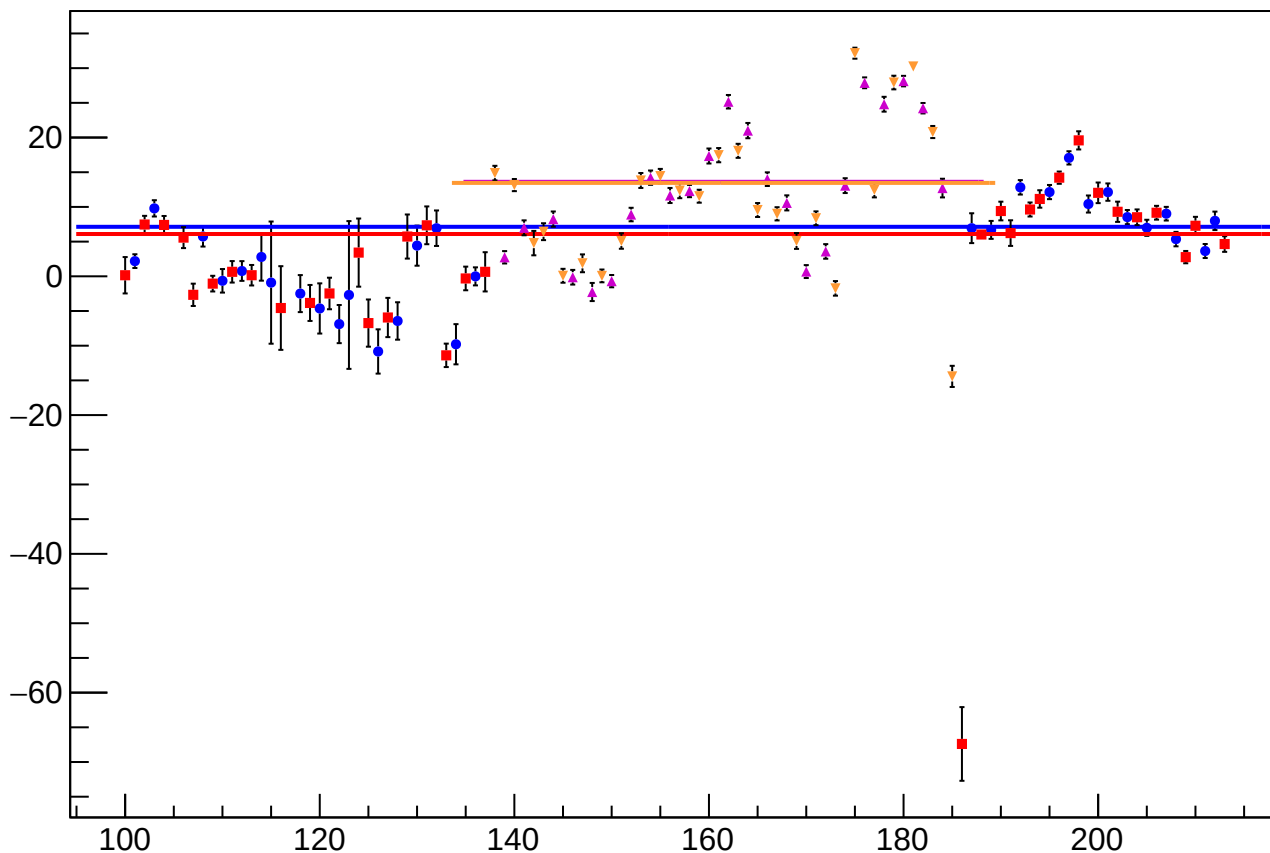
Left In: 56.635+/-0.165 χ^2 /NDF:1607.9/22

+ sign 62.400+/-0.130 χ^2 /NDF: 17469.1/54

All: 62.613+/-0.092 χ^2 /NDF: 37408.5/111

- sign 62.825+/-0.130 χ^2 /NDF: 19934.0/56

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.135 ± 0.258 χ^2/NDF : 453.0/29

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.096 ± 0.230 χ^2/NDF : 763.8/33

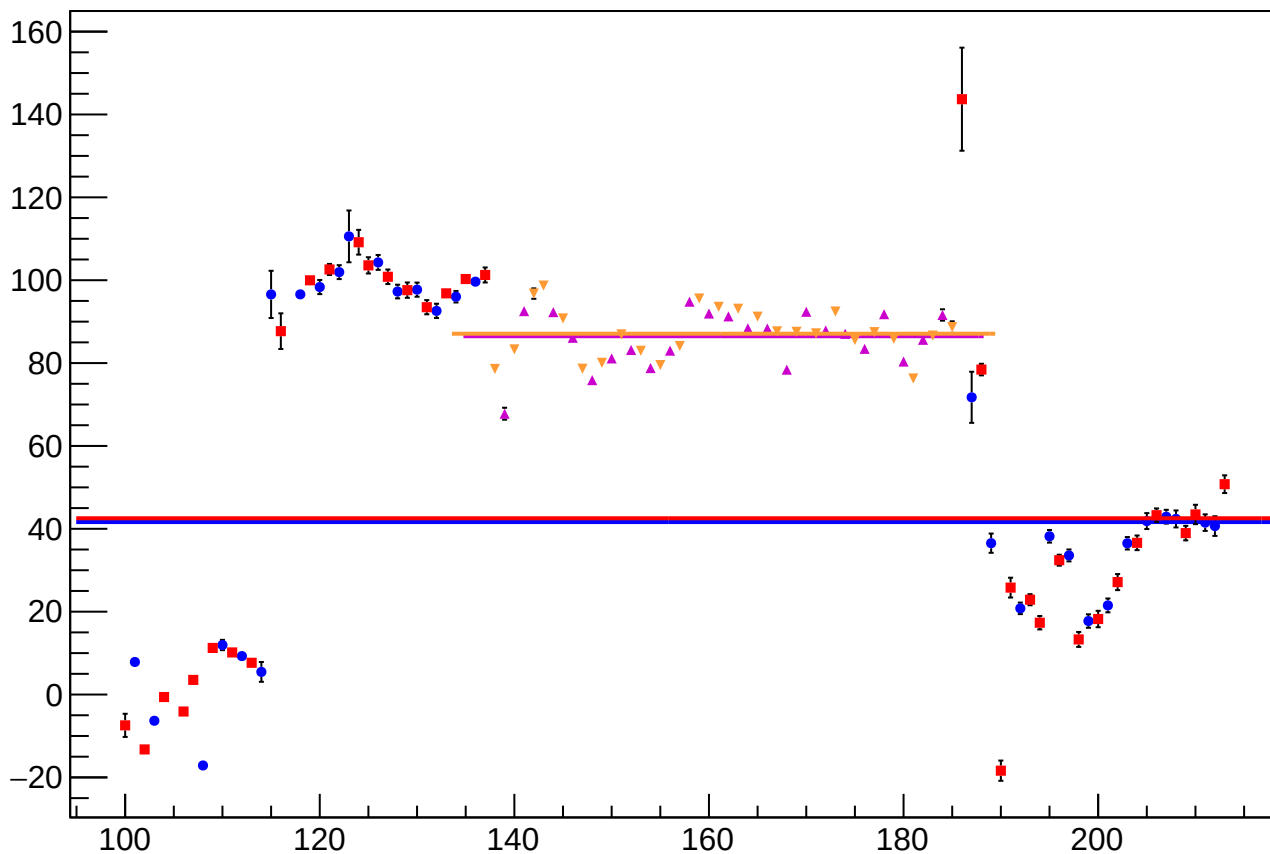
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.065 ± 0.159 χ^2/NDF : 3563.0/54

All: 10.663 ± 0.110 χ^2/NDF : 7253.6/111

- sign 10.291 ± 0.153 χ^2/NDF : 3678.3/56

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 41.629 $\pm$ 0.259 χ^2 /NDF: 25471.4/29

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 42.547 $\pm$ 0.246 χ^2 /NDF: 30776.2/33

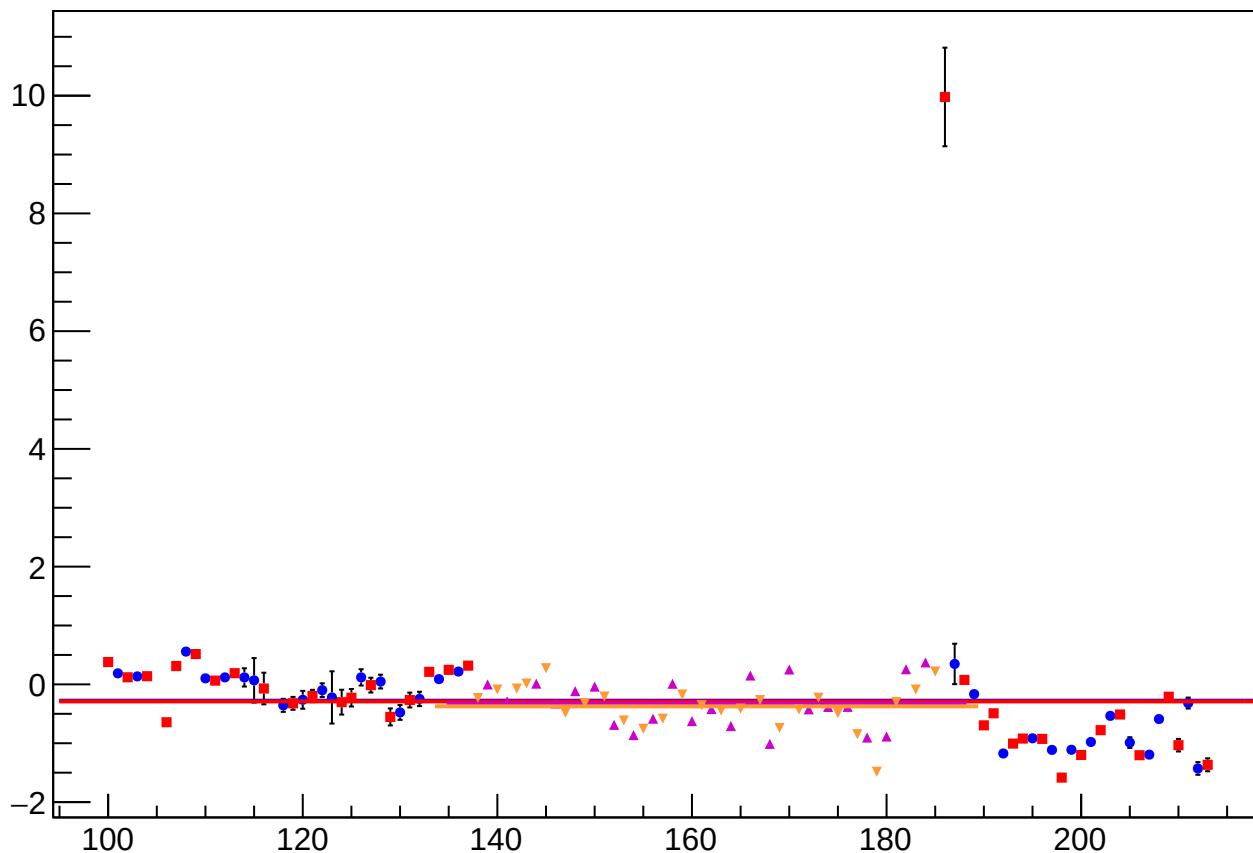
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 72.410 $\pm$ 0.147 χ^2 /NDF: 47360.7/54

All: 71.529 $\pm$ 0.104 χ^2 /NDF: 99628.4/111

- sign 70.644 $\pm$ 0.148 χ^2 /NDF: 52196.0/56

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.277 ± 0.011 χ^2/NDF : 3309.5/29

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.290 ± 0.010 χ^2/NDF : 3703.8/33

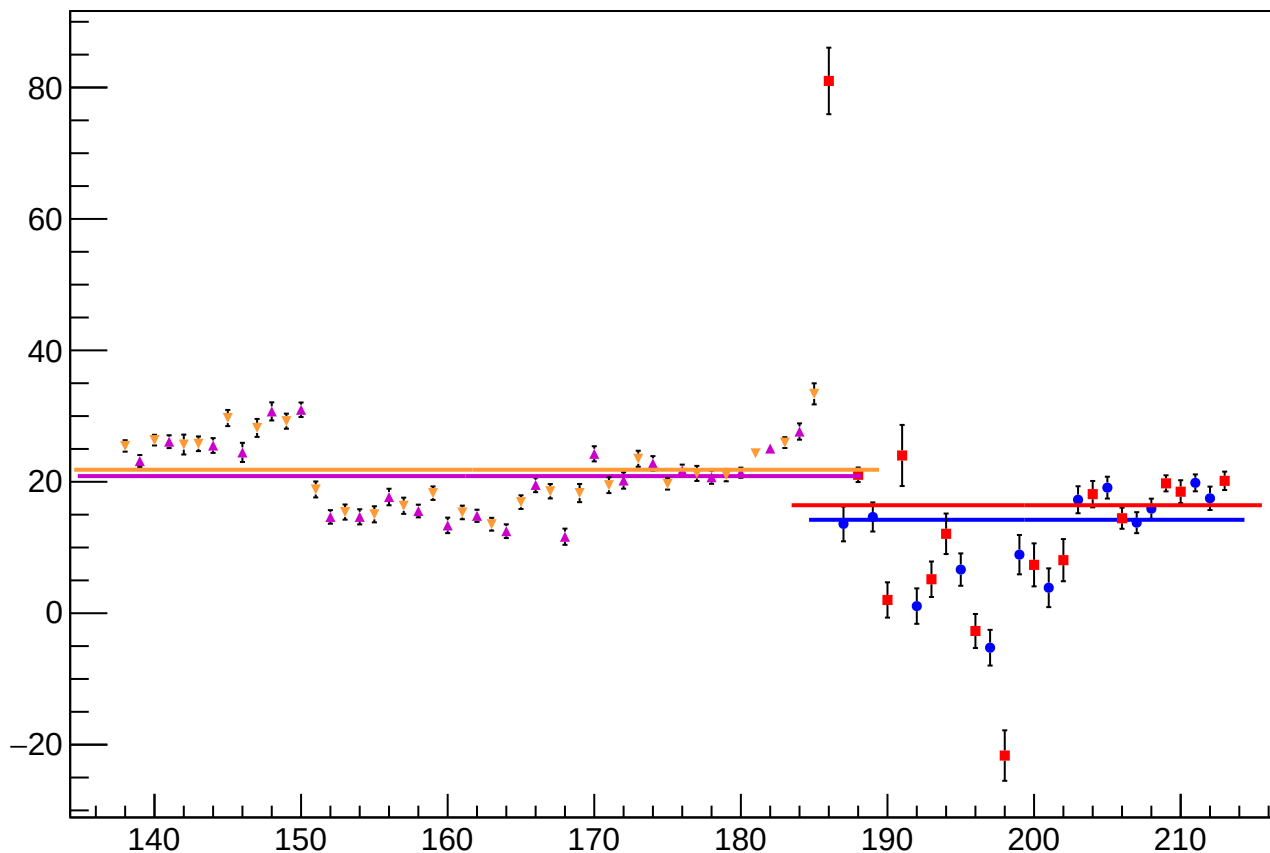
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.338 ± 0.006 χ^2/NDF : 5029.1/54

All: -0.324 ± 0.005 χ^2/NDF : 11033.7/111

- sign -0.311 ± 0.006 χ^2/NDF : 5995.5/56

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 14.220 ± 0.547 $\chi^2/\text{NDF}: 134.7/12$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 16.435 ± 0.511 $\chi^2/\text{NDF}: 416.6/14$

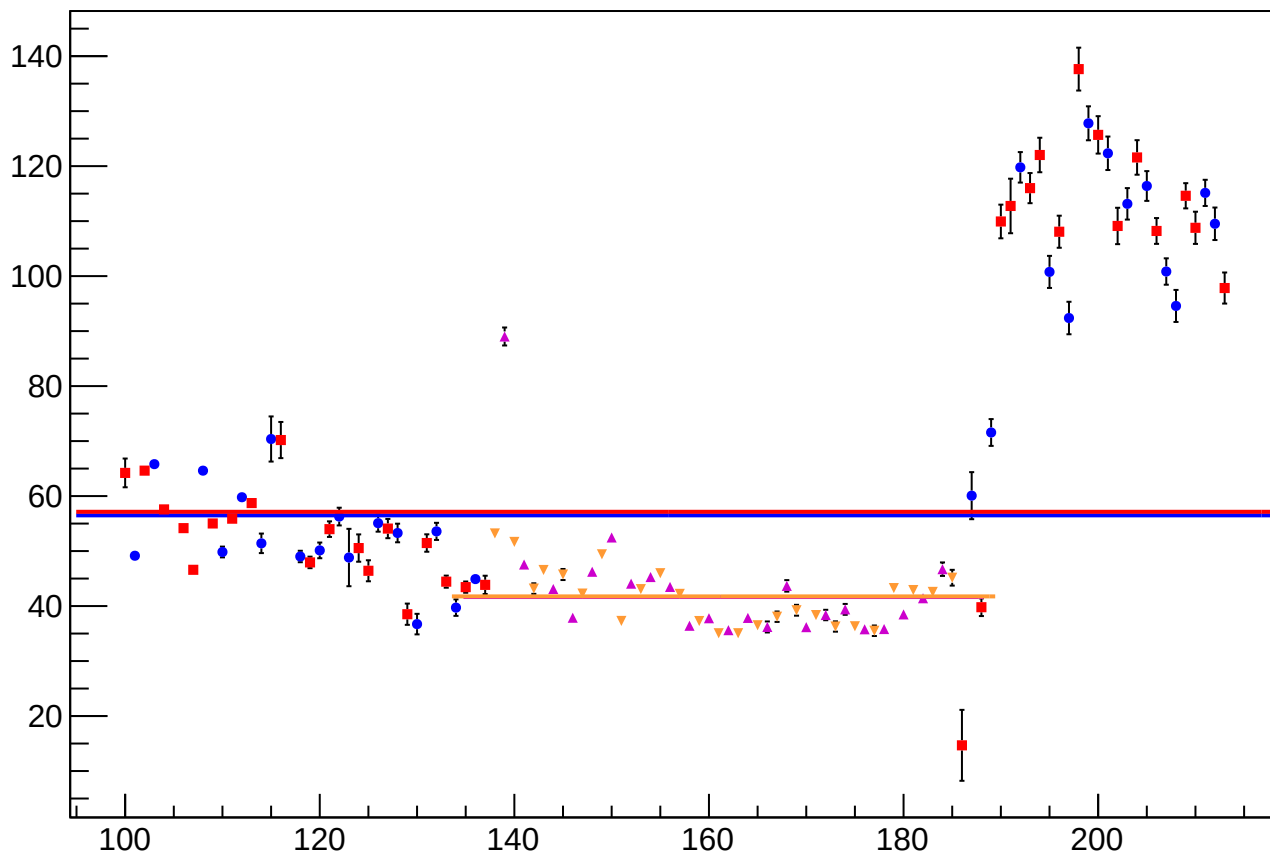
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 20.858 ± 0.196 $\chi^2/\text{NDF}: 828.3/37$

All: 20.530 ± 0.140 $\chi^2/\text{NDF}: 1891.3/75$

- sign 20.190 ± 0.199 $\chi^2/\text{NDF}: 1057.3/37$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.494 $\pm$ 0.204 χ^2 /NDF: 5734.7/29

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF: 1015.7/24

Right Out: 57.144 $\pm$ 0.217 χ^2 /NDF: 6059.5/33

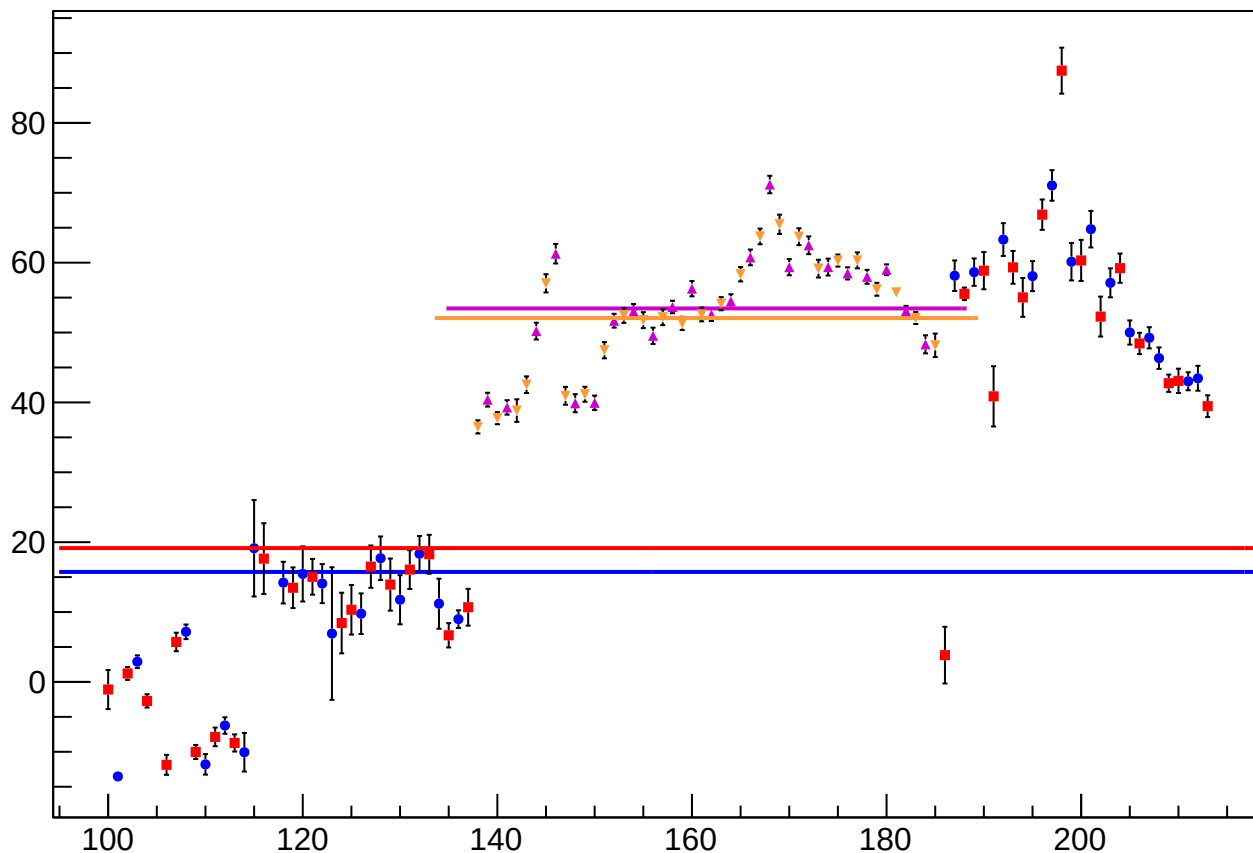
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF: 1611.0/22

+ sign 47.609 $\pm$ 0.128 χ^2 /NDF: 9904.5/54

All: 47.658 $\pm$ 0.093 χ^2 /NDF: 20690.5/111

- sign 47.712 $\pm$ 0.136 χ^2 /NDF: 10785.7/56

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 15.741 $\pm$ 0.298 χ^2 /NDF: 8591.5/29

Left Out: 52.076 $\pm$ 0.210 χ^2 /NDF:1450.9/24

Right Out: 19.153 $\pm$ 0.296 χ^2 /NDF: 8458.0/33

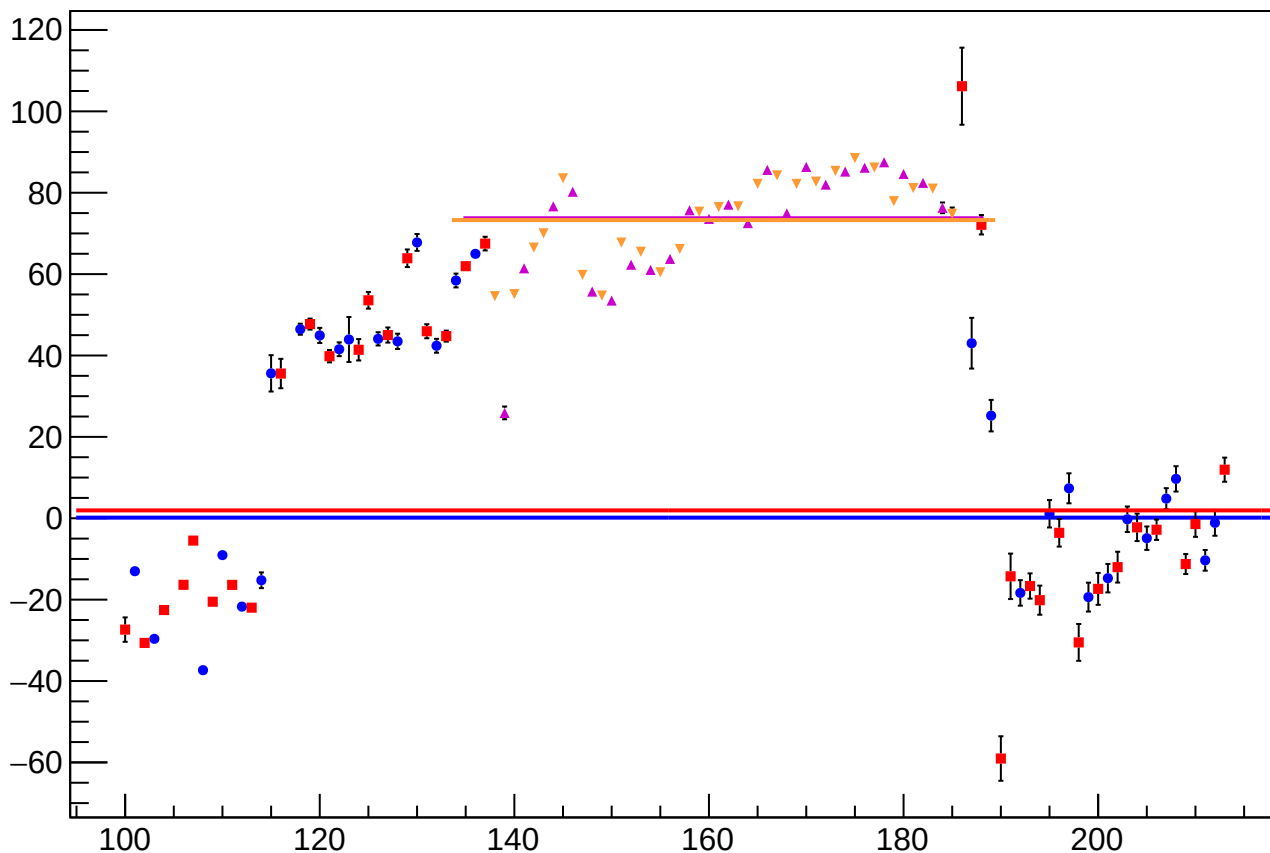
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 40.045 $\pm$ 0.172 χ^2 /NDF: 19954.8/54

All: 40.791 $\pm$ 0.122 χ^2 /NDF: 38411.9/111

- sign 41.558 $\pm$ 0.174 χ^2 /NDF: 18418.8/56

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.155 ± 0.239 χ^2/NDF : 18429.5/29

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 1.935 ± 0.255 χ^2/NDF : 16746.8/33

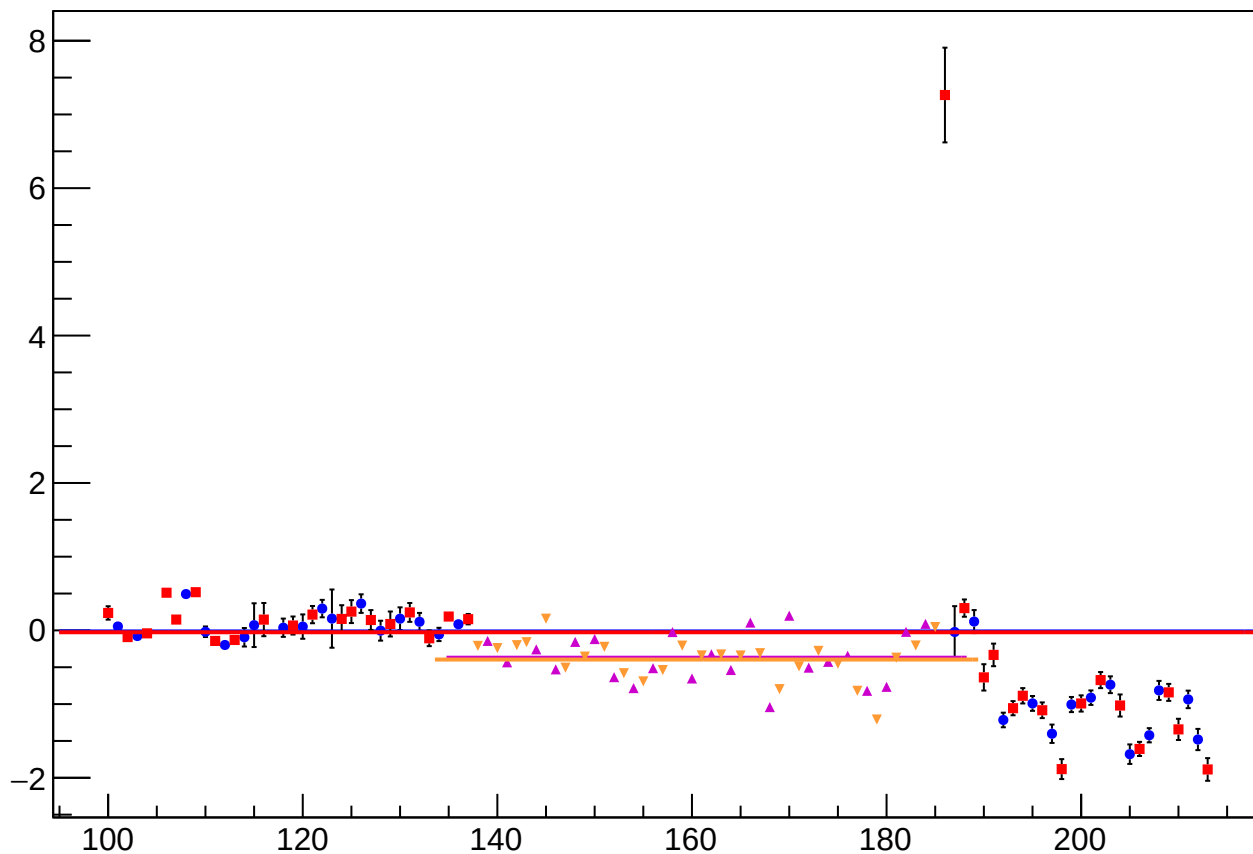
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 45.497 ± 0.147 χ^2/NDF : 79779.1/54

All: 46.377 ± 0.107 χ^2/NDF : 150530.8/111

- sign 47.348 ± 0.155 χ^2/NDF : 70676.5/56

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.014 ± 0.010 χ^2/NDF : 1673.3/29

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: -0.025 ± 0.010 χ^2/NDF : 1829.3/33

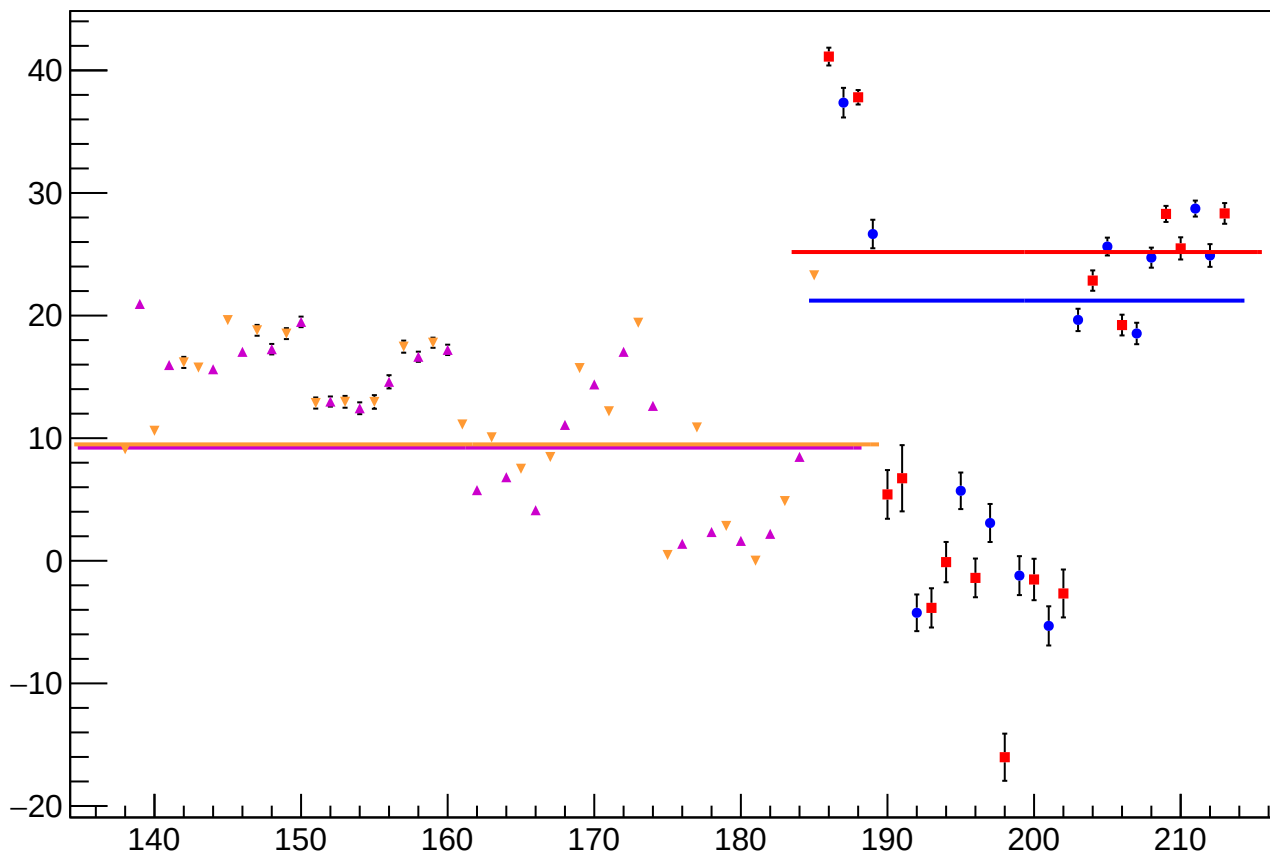
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.243 ± 0.007 χ^2/NDF : 3420.4/54

All: -0.236 ± 0.005 χ^2/NDF : 7212.9/111

- sign -0.229 ± 0.007 χ^2/NDF : 3790.1/56

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 21.220 ± 0.278 $\chi^2/\text{NDF}: 1425.9/12$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 25.183 ± 0.258 $\chi^2/\text{NDF}: 2937.6/14$

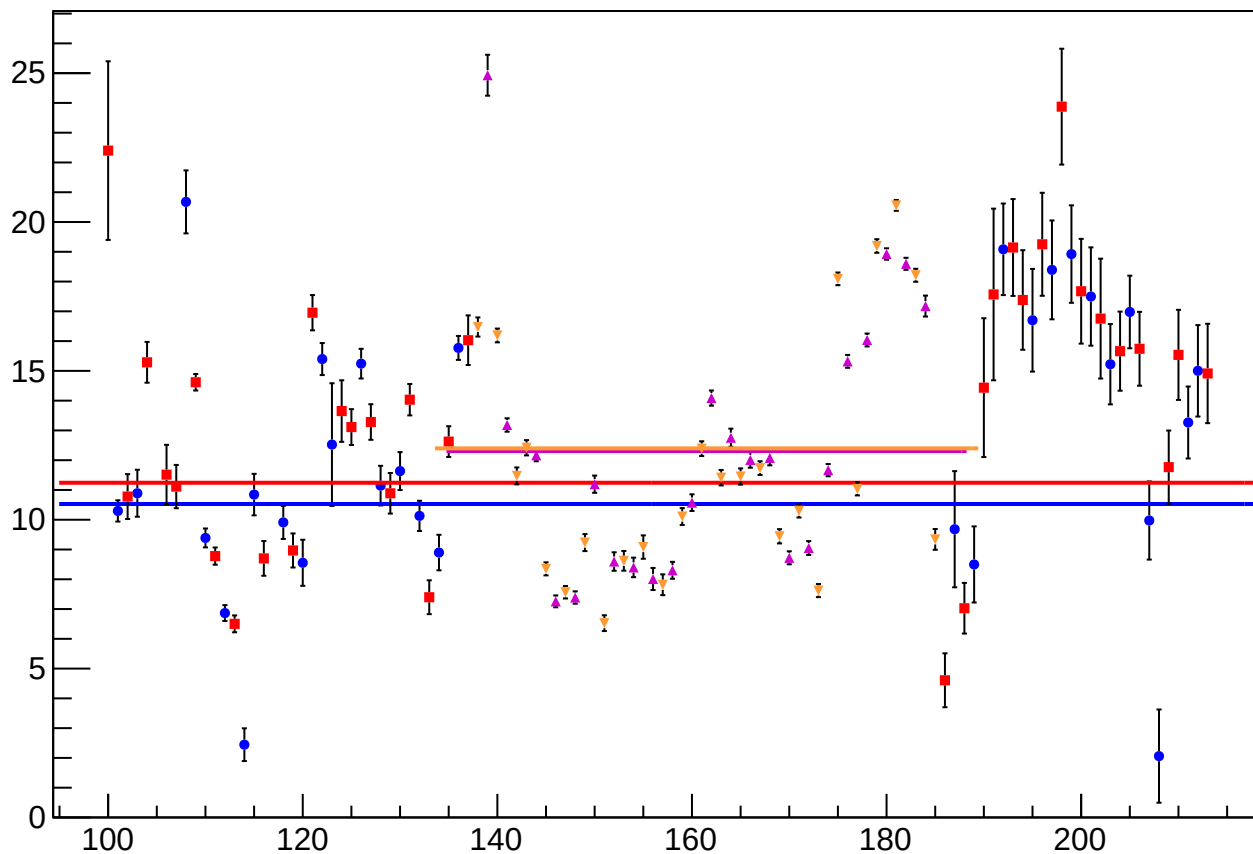
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 10.037 ± 0.060 $\chi^2/\text{NDF}: 15731.4/37$

All: 10.081 ± 0.043 $\chi^2/\text{NDF}: 33006.1/75$

- sign 10.128 ± 0.061 $\chi^2/\text{NDF}: 17273.6/37$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.528 ± 0.115 $\chi^2/\text{NDF}: 1067.8/29$

Left Out: 12.397 ± 0.050 $\chi^2/\text{NDF}: 7542.8/24$

Right Out: 11.242 ± 0.111 $\chi^2/\text{NDF}: 1062.1/33$

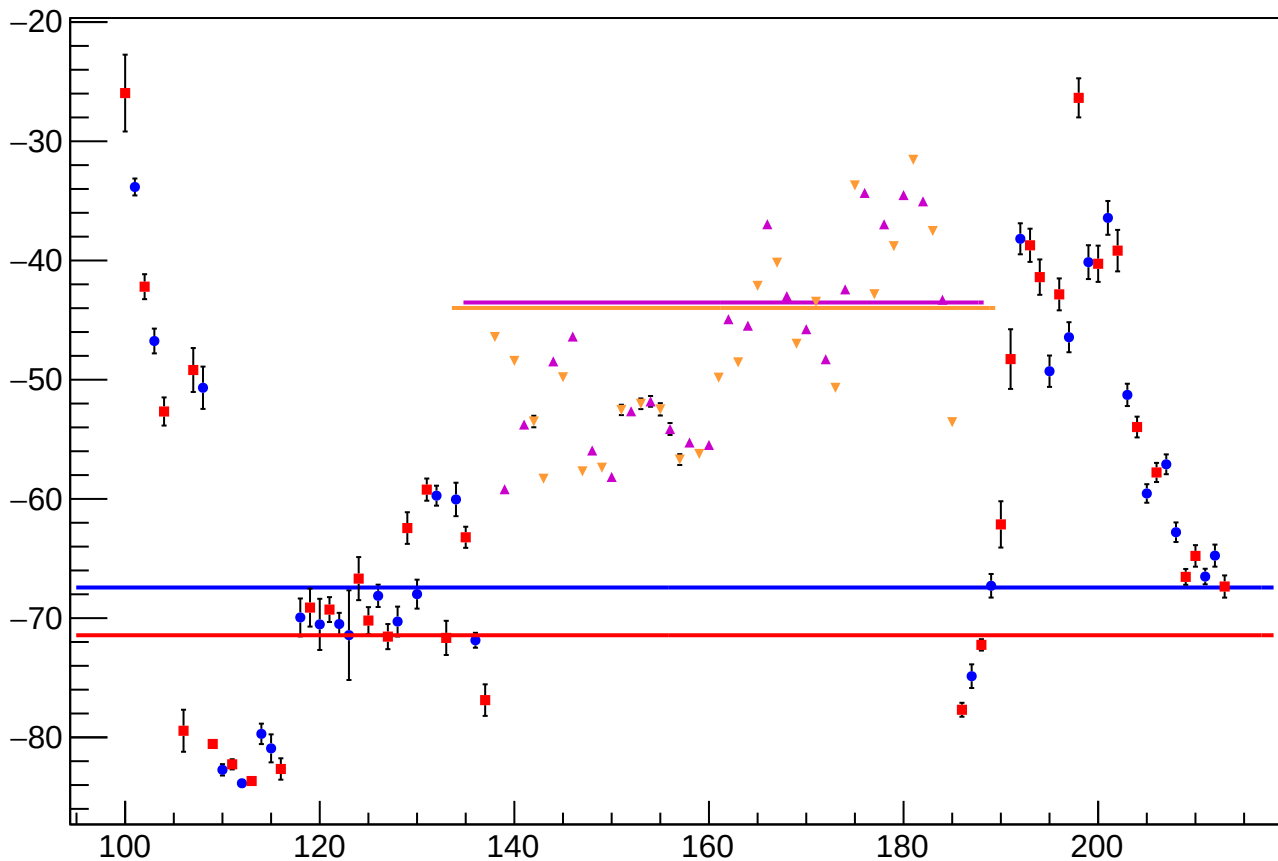
Left In: 12.307 ± 0.051 $\chi^2/\text{NDF}: 5601.8/22$

+ sign 12.102 ± 0.046 $\chi^2/\text{NDF}: 8833.9/54$

All: 12.111 ± 0.033 $\chi^2/\text{NDF}: 15573.7/111$

- sign 12.120 ± 0.046 $\chi^2/\text{NDF}: 6739.7/56$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -67.430 ± 0.159 χ^2/NDF : 8615.5/29

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -71.436 ± 0.144 χ^2/NDF : 8083.5/33

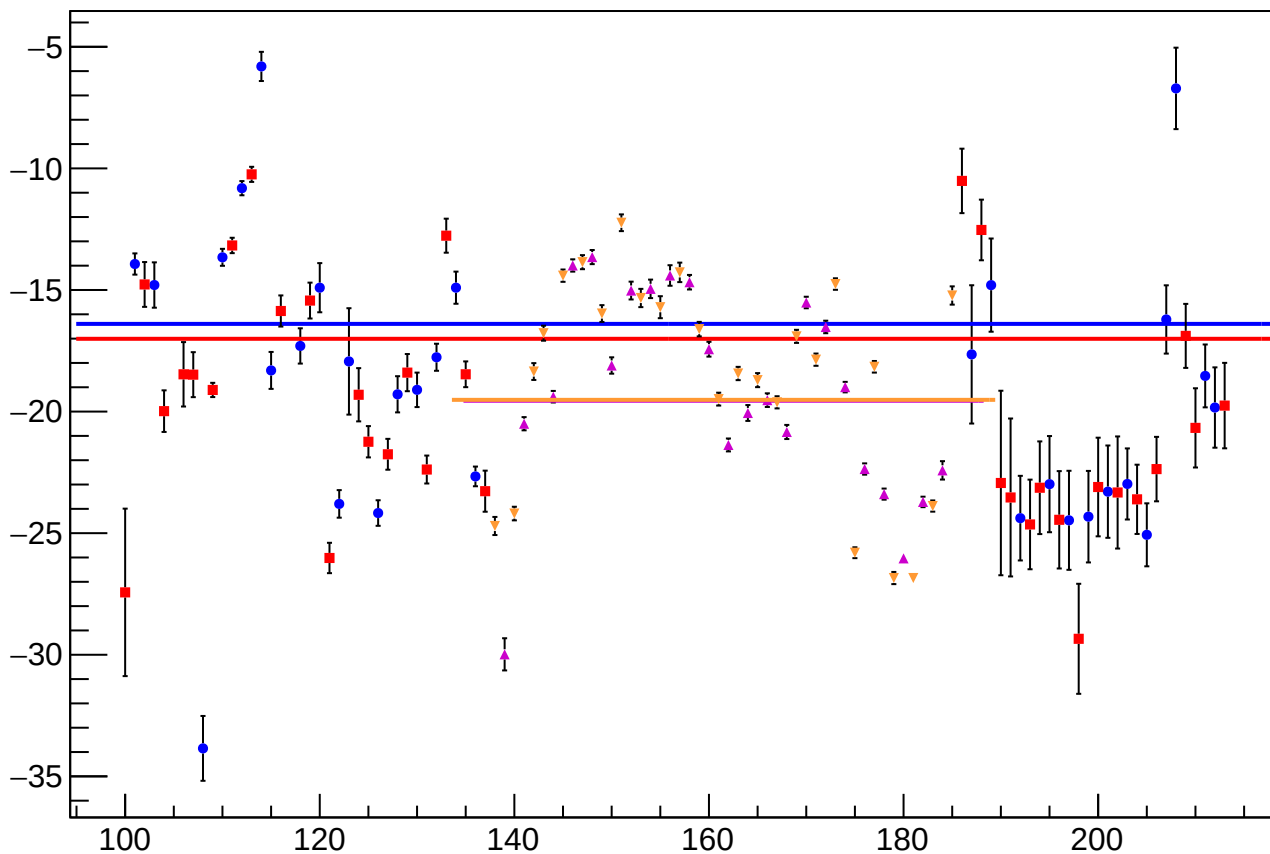
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -47.064 ± 0.058 χ^2/NDF : 45194.1/54

All: -47.559 ± 0.041 χ^2/NDF : 100266.6/111

- sign -48.059 ± 0.058 χ^2/NDF : 54924.7/56

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.394 ± 0.128 $\chi^2/\text{NDF}: 1811.4/29$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -17.007 ± 0.123 $\chi^2/\text{NDF}: 1390.7/33$

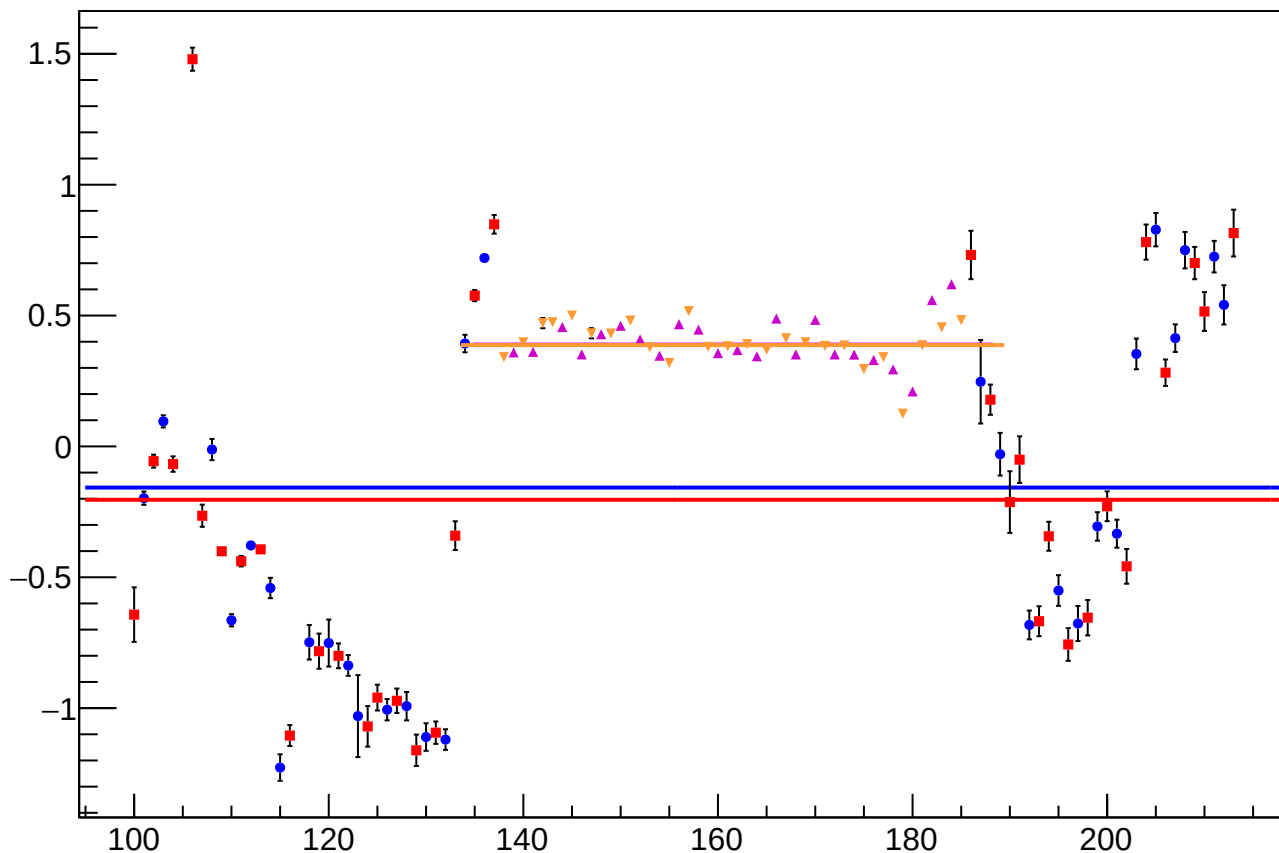
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.017 ± 0.051 $\chi^2/\text{NDF}: 8832.3/54$

All: -19.058 ± 0.036 $\chi^2/\text{NDF}: 14887.0/111$

- sign -19.101 ± 0.052 $\chi^2/\text{NDF}: 6053.3/56$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.157 ± 0.007 χ^2/NDF : 7467.7/29

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.204 ± 0.007 χ^2/NDF : 7304.0/33

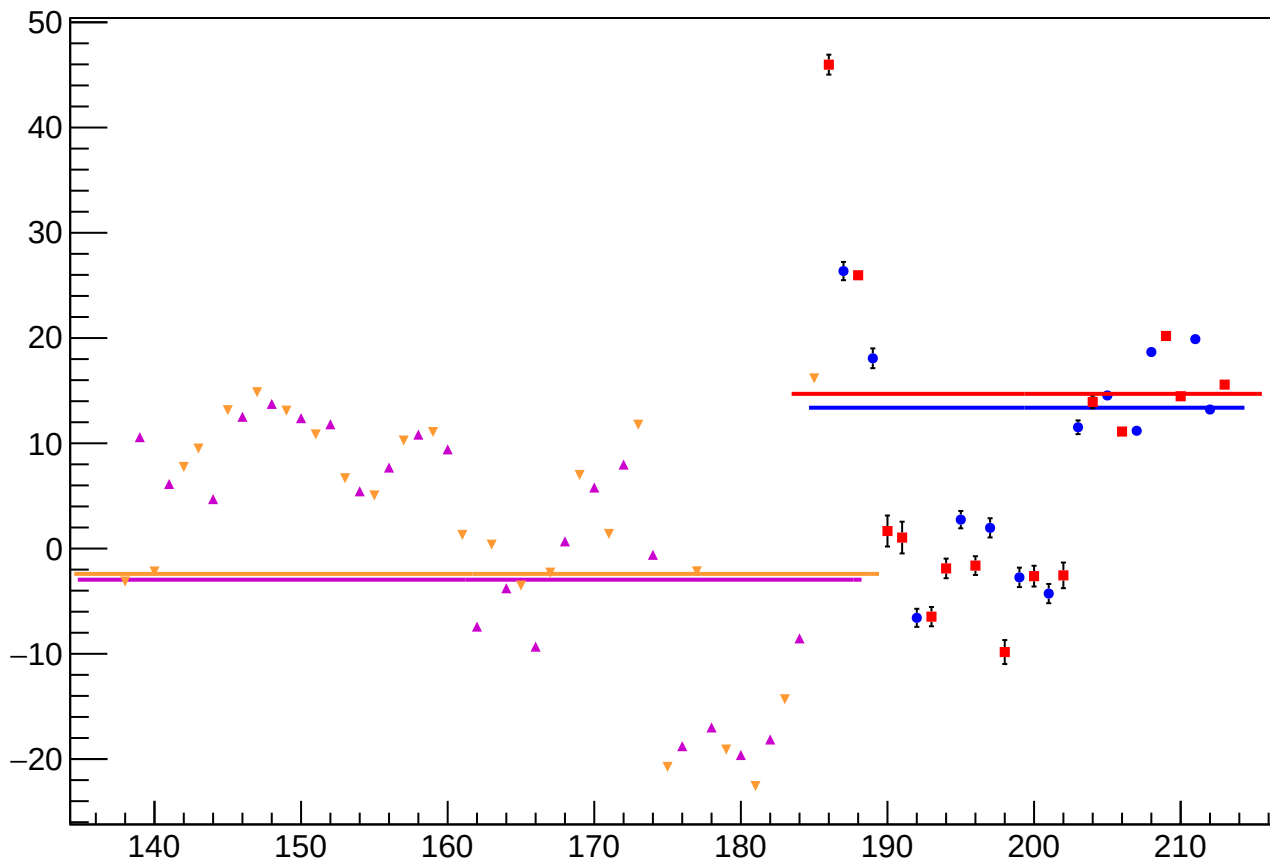
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.322 ± 0.002 χ^2/NDF : 13883.0/54

All: 0.315 ± 0.002 χ^2/NDF : 29395.8/111

- sign 0.309 ± 0.002 χ^2/NDF : 15498.3/56

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.381+/-0.159 χ^2 /NDF: 2343.4/12

Left Out: -2.407+/-0.053 χ^2 /NDF: 56368.5/24

Right Out: 14.700+/-0.158 χ^2 /NDF: 4430.2/14

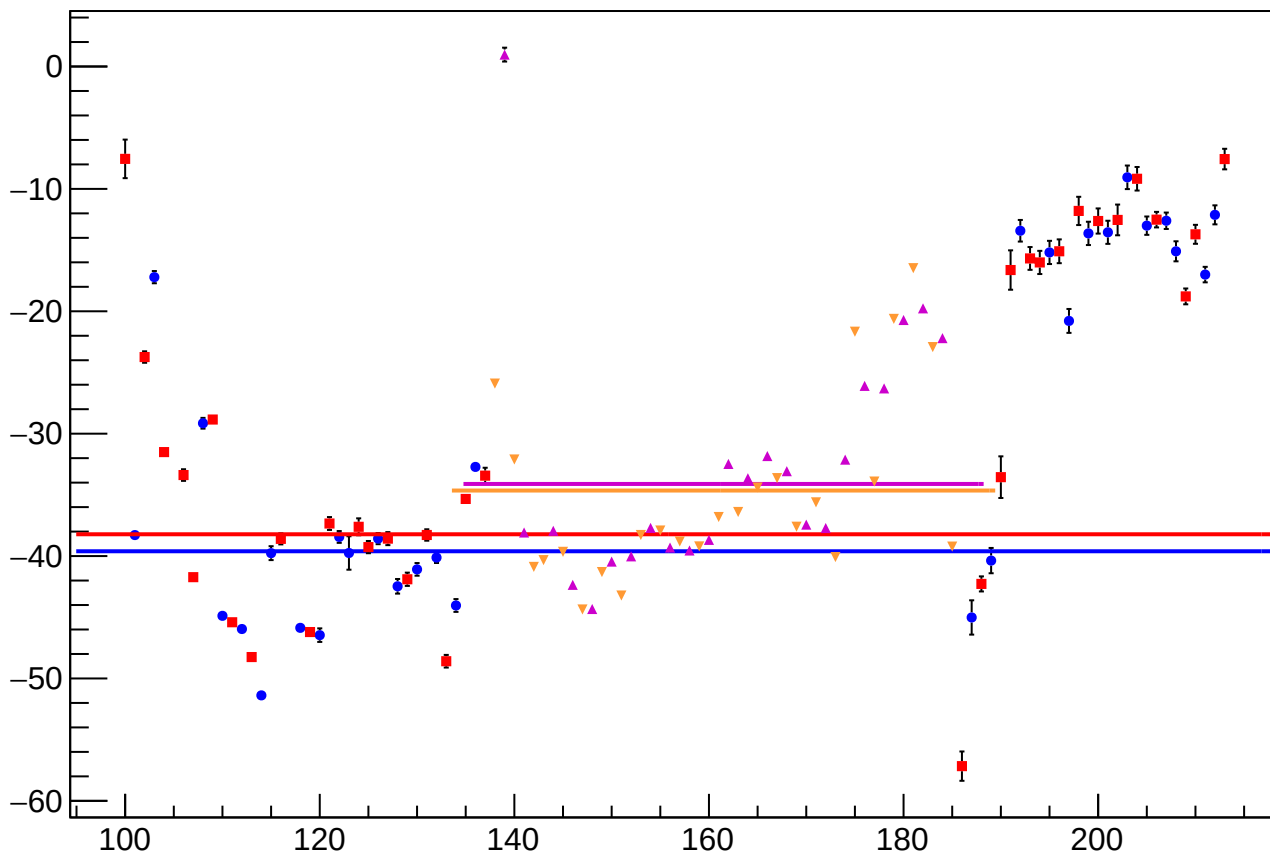
Left In: -2.959+/-0.055 χ^2 /NDF: 45922.6/22

+ sign -0.844+/-0.050 χ^2 /NDF: 67570.8/37

All: -0.944+/-0.036 χ^2 /NDF: 129135.0/75

- sign -1.050+/-0.052 χ^2 /NDF: 61556.1/37

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -39.608 ± 0.074 $\chi^2/\text{NDF}: 18346.9/29$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -38.219 ± 0.069 $\chi^2/\text{NDF}: 21495.1/33$

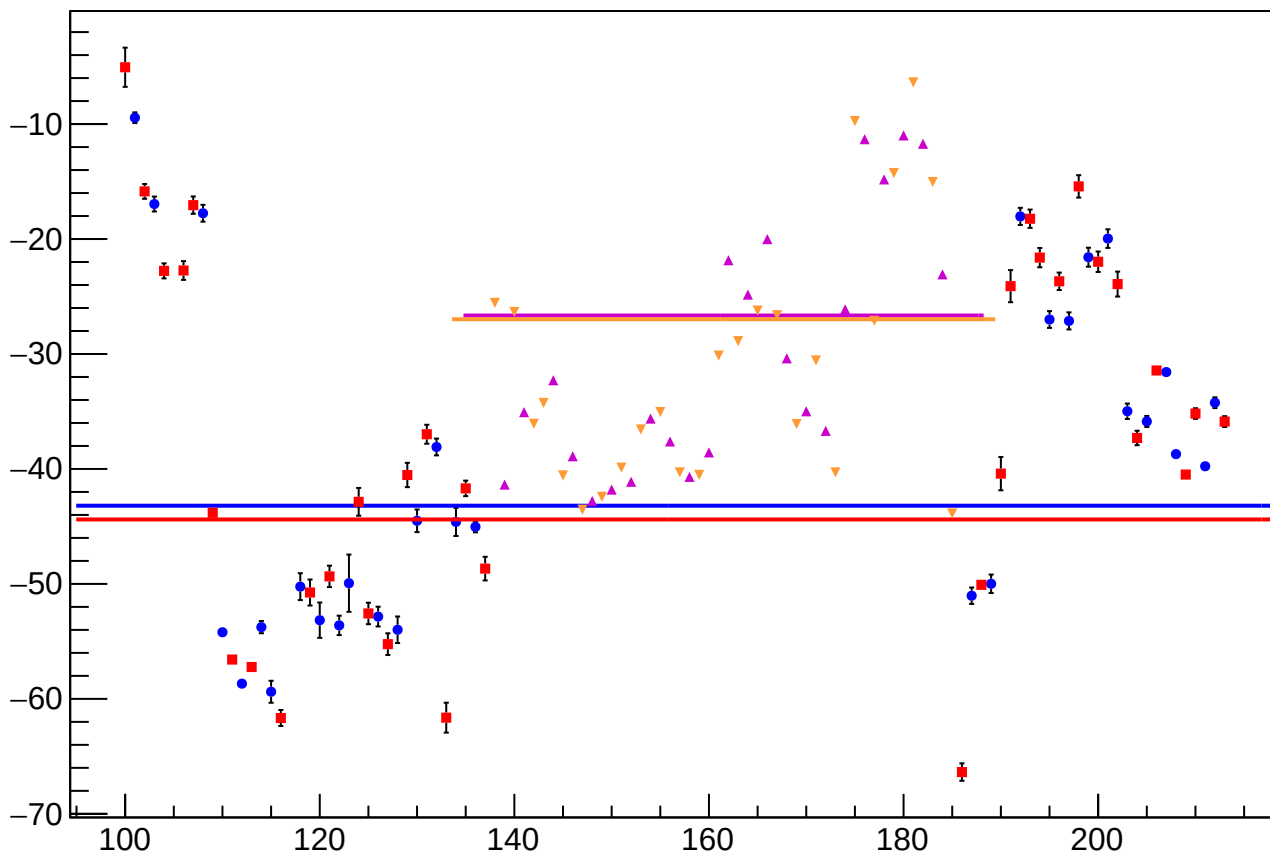
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -35.839 ± 0.036 $\chi^2/\text{NDF}: 56414.8/54$

All: -35.567 ± 0.026 $\chi^2/\text{NDF}: 109578.4/111$

- sign -35.284 ± 0.037 $\chi^2/\text{NDF}: 53049.7/56$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -43.198 ± 0.097 $\chi^2/\text{NDF}: 22127.2/29$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -44.394 ± 0.087 $\chi^2/\text{NDF}: 20659.0/33$

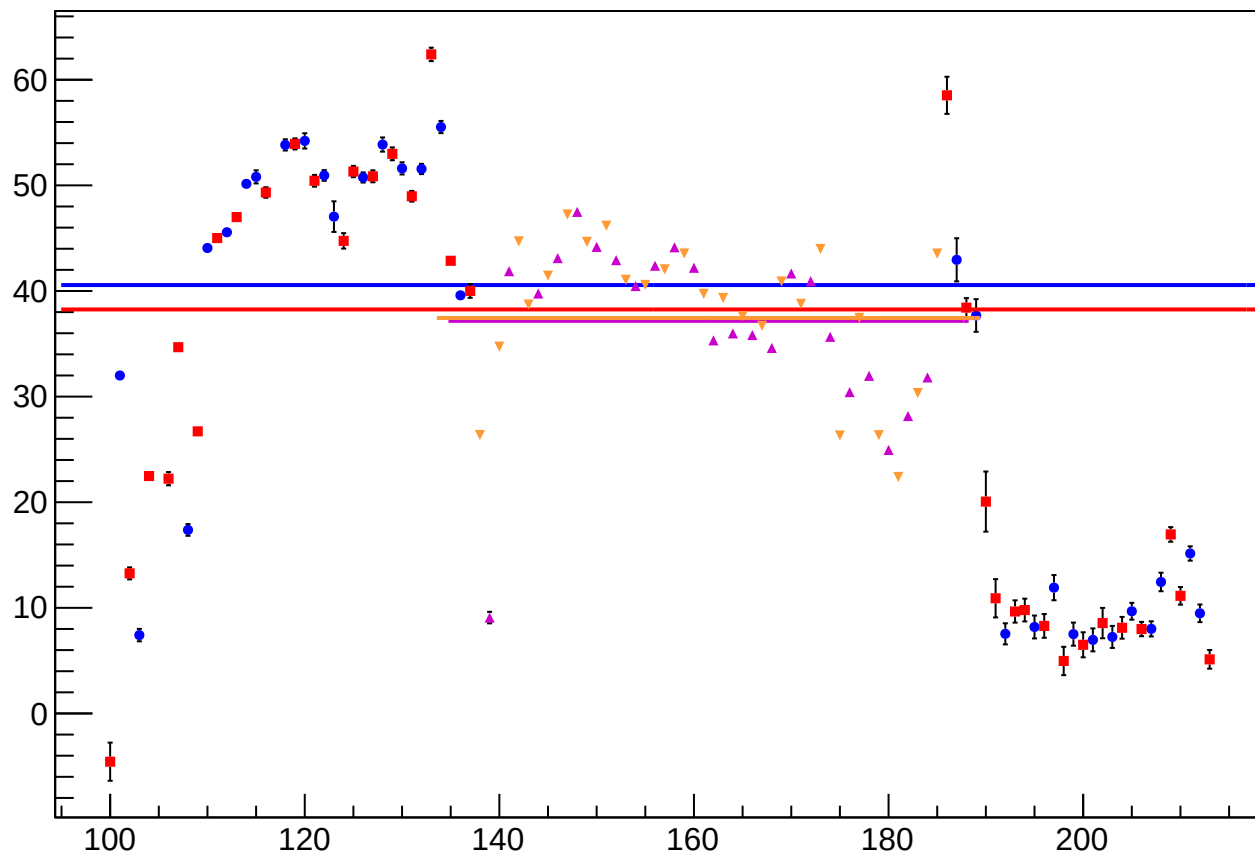
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.741 ± 0.047 $\chi^2/\text{NDF}: 93067.9/54$

All: -31.223 ± 0.033 $\chi^2/\text{NDF}: 185712.8/111$

- sign -31.701 ± 0.046 $\chi^2/\text{NDF}: 92432.6/56$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 40.562 $\pm$ 0.083 χ^2 /NDF: 24713.2/29

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 38.252 $\pm$ 0.077 χ^2 /NDF: 28937.3/33

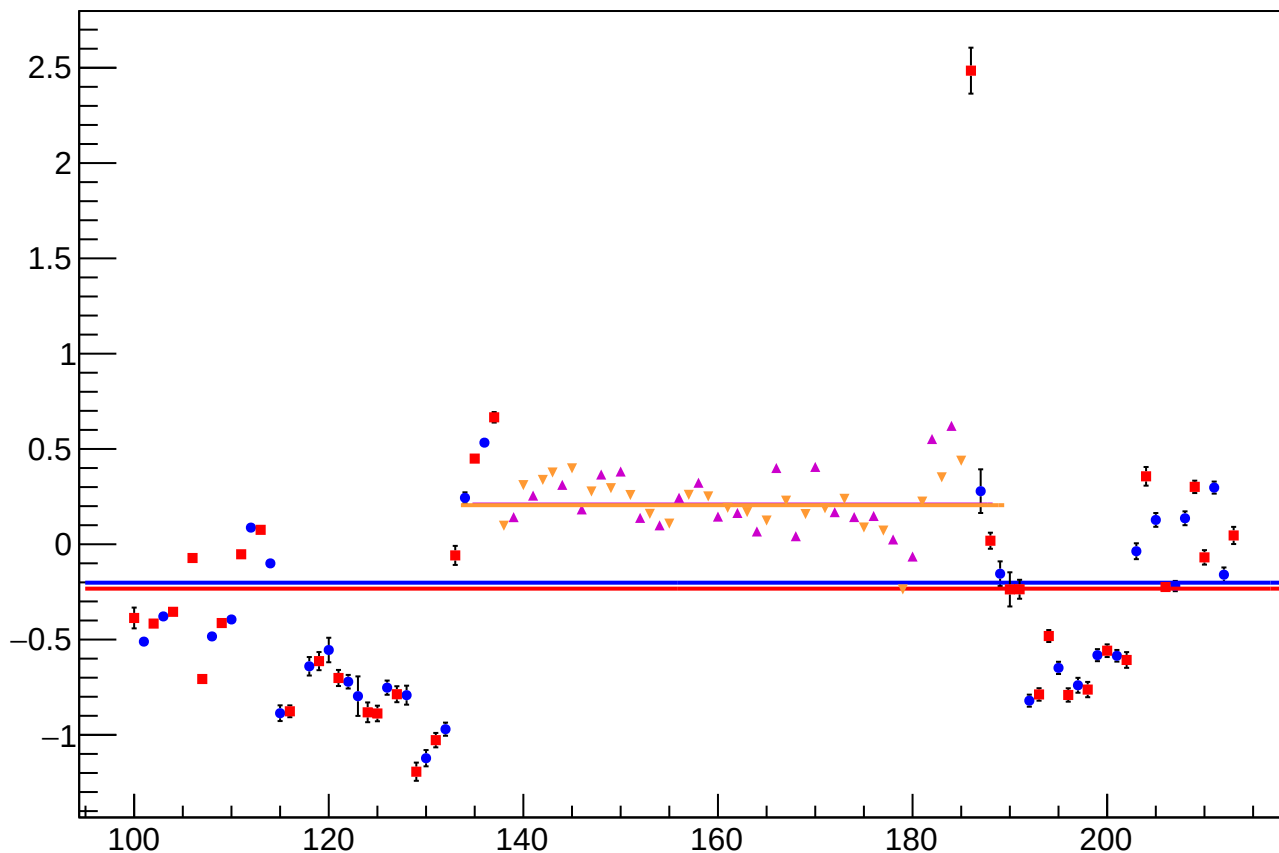
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.211 $\pm$ 0.041 χ^2 /NDF: 47354.9/54

All: 37.852 $\pm$ 0.029 χ^2 /NDF: 93825.4/111

- sign 37.485 $\pm$ 0.041 χ^2 /NDF: 46315.0/56

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.202 ± 0.004 χ^2/NDF : 8901.9/29

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.233 ± 0.004 χ^2/NDF : 9397.6/33

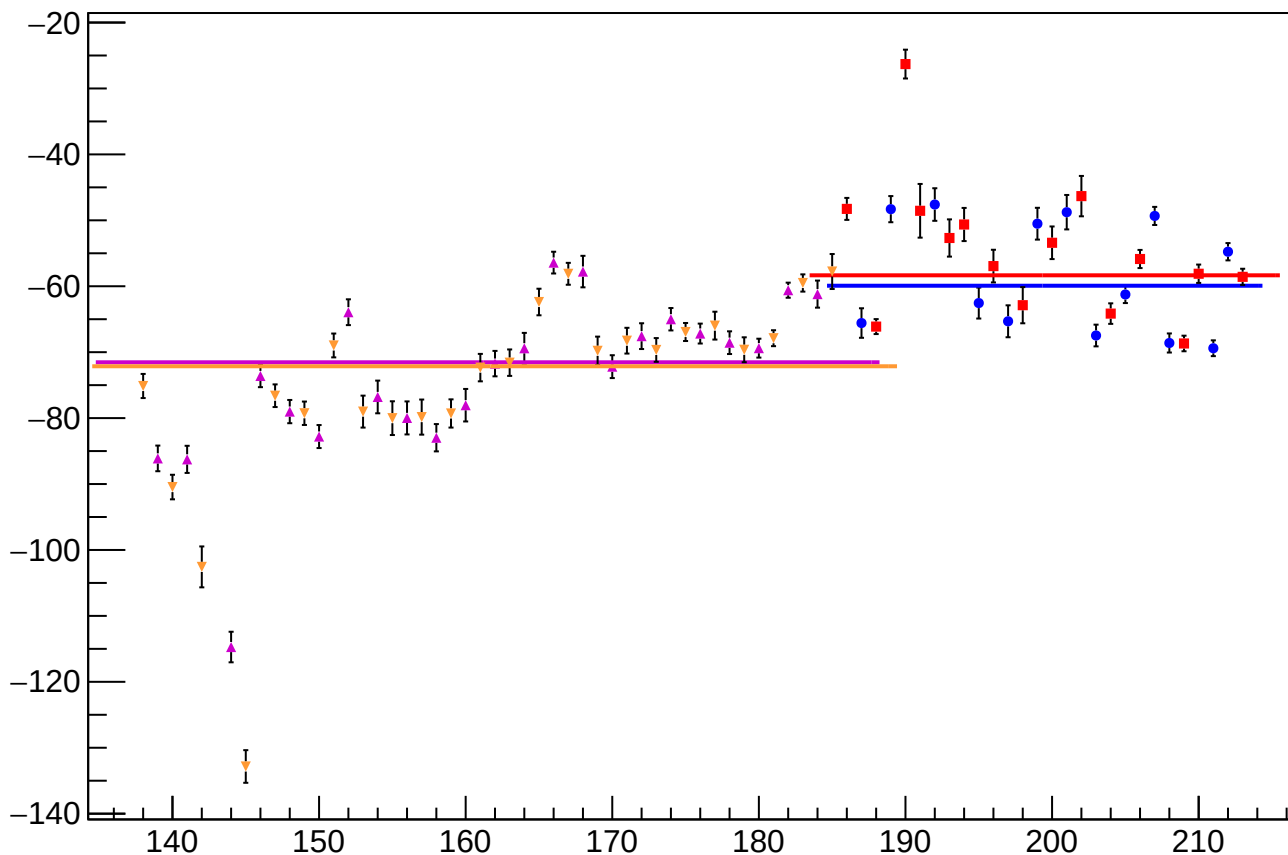
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.124 ± 0.002 χ^2/NDF : 19707.9/54

All: 0.112 ± 0.001 χ^2/NDF : 43697.1/111

- sign 0.101 ± 0.002 χ^2/NDF : 23918.3/56

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -59.921 ± 0.470 χ^2/NDF : 300.8/12

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -58.340 ± 0.443 χ^2/NDF : 433.7/14

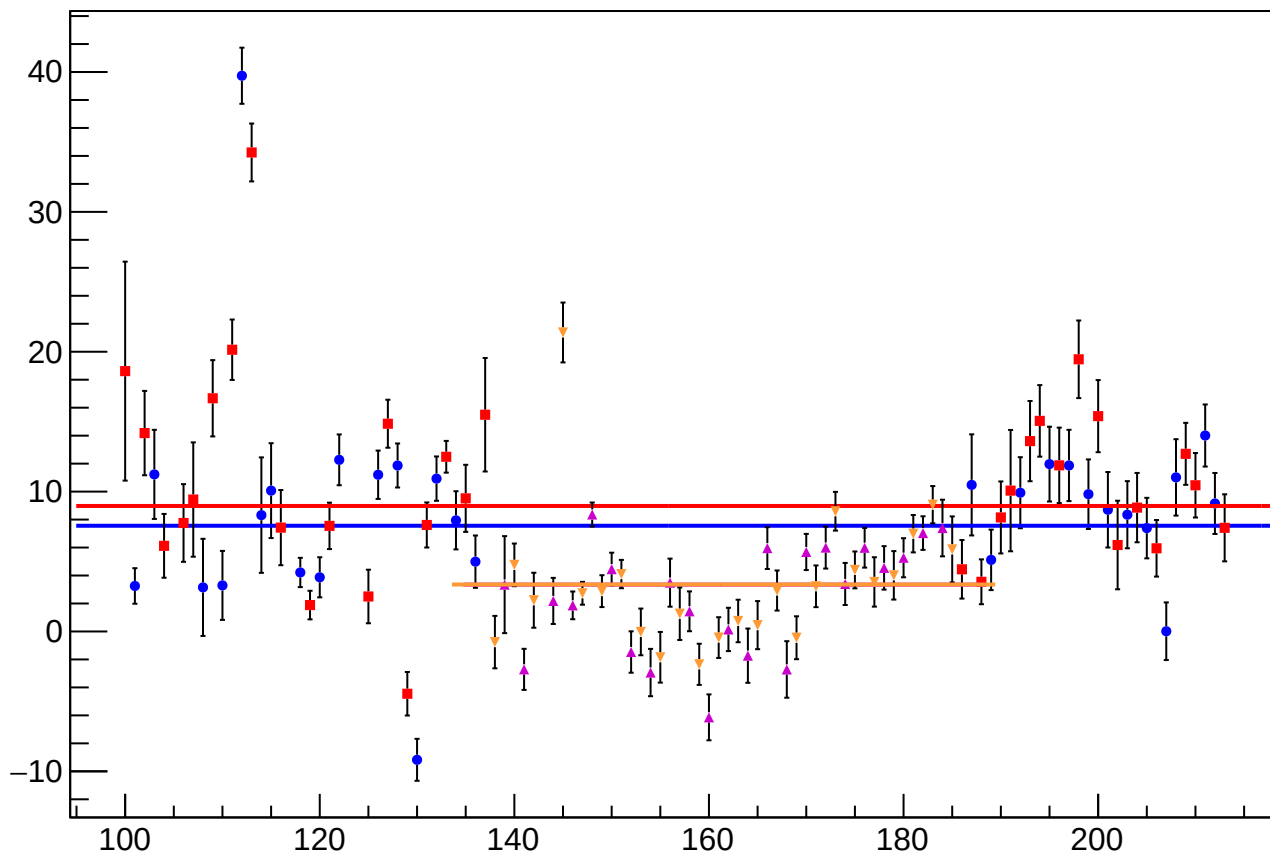
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -67.264 ± 0.297 χ^2/NDF : 1828.4/36

All: -66.572 ± 0.207 χ^2/NDF : 3633.1/74

- sign -65.915 ± 0.289 χ^2/NDF : 1794.1/37

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.558 ± 0.368 χ^2/NDF : 474.9/28

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 8.973 ± 0.364 χ^2/NDF : 402.7/32

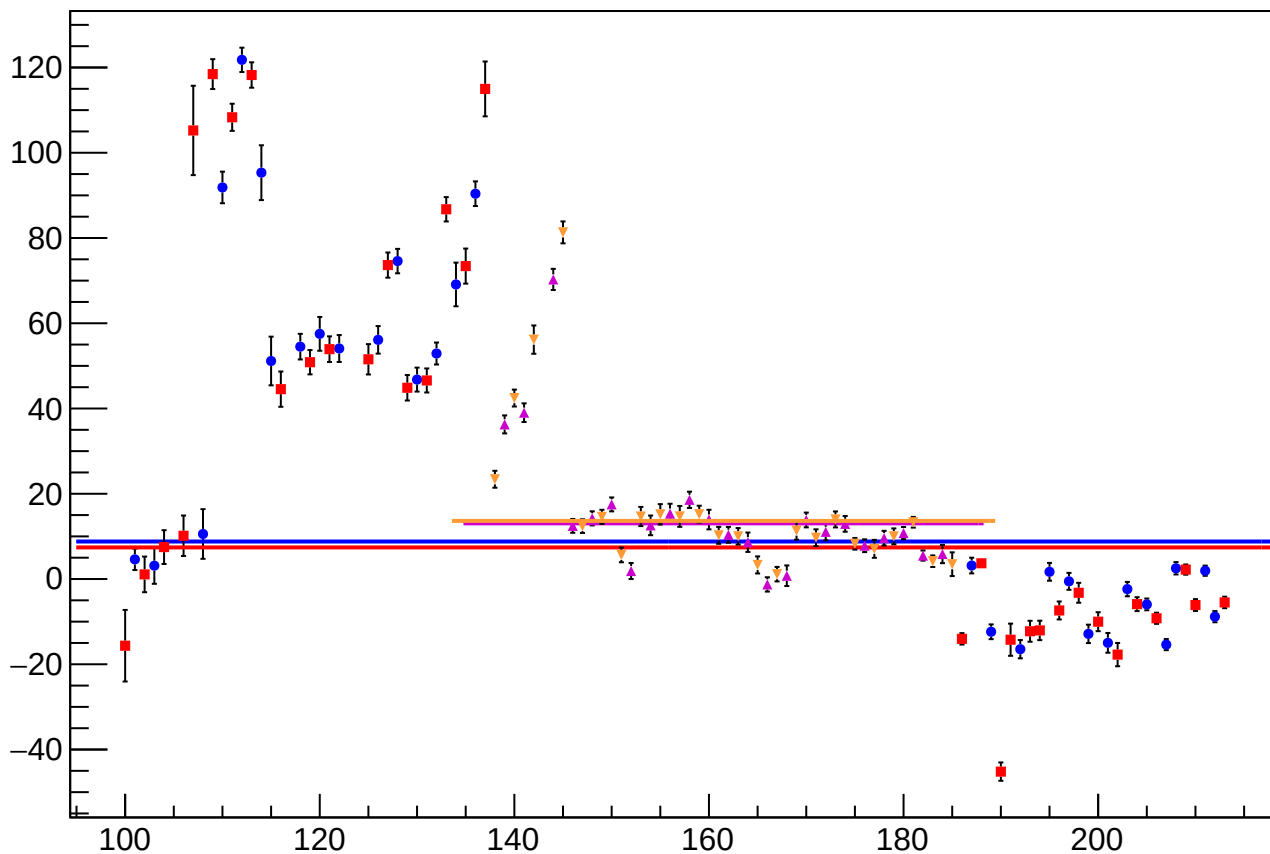
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.997 ± 0.230 χ^2/NDF : 721.9/52

All: 5.303 ± 0.163 χ^2/NDF : 1434.6/108

- sign 5.609 ± 0.231 χ^2/NDF : 709.2/55

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 8.799 ± 0.396 χ^2/NDF : 6320.9/28

Left Out: 13.632 ± 0.382 χ^2/NDF : 1300.0/23

Right Out: 7.410 ± 0.371 χ^2/NDF : 8051.2/32

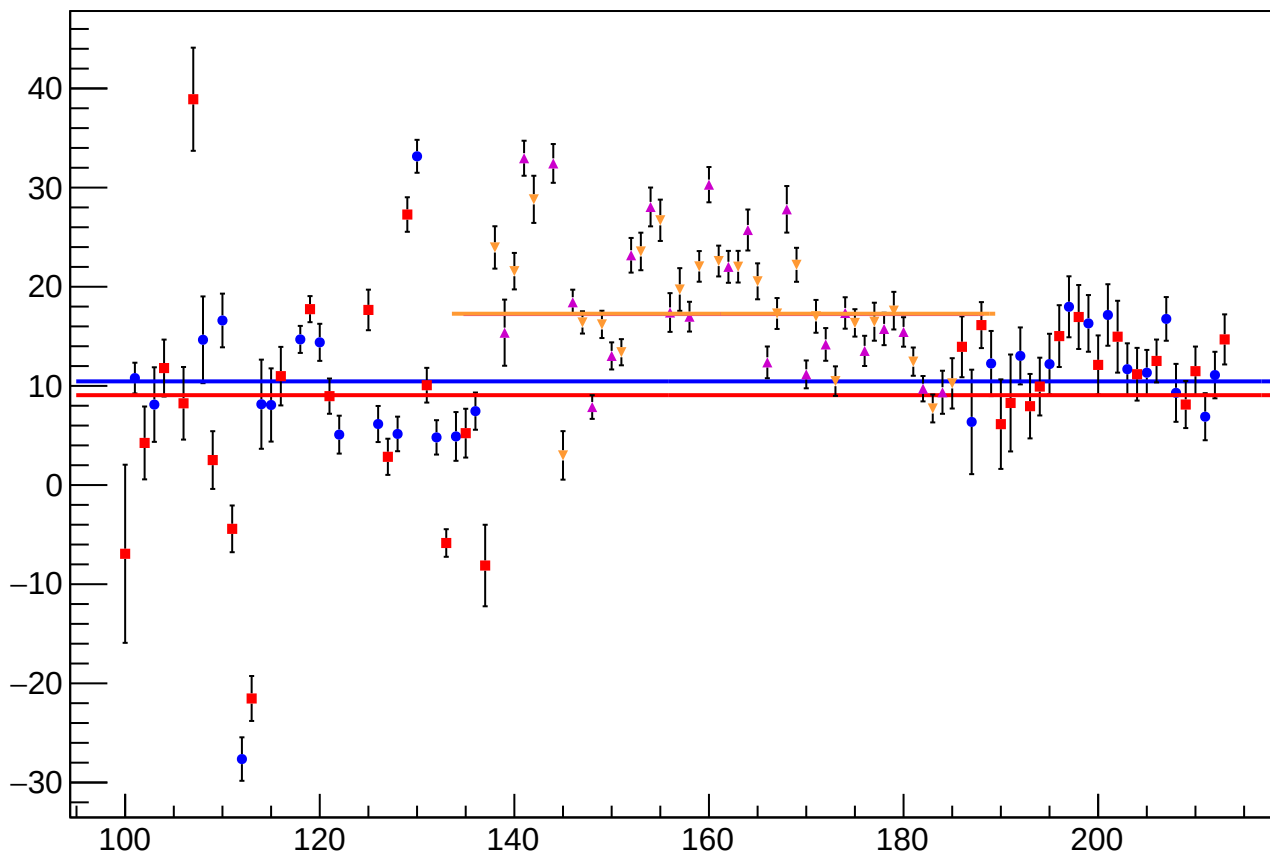
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 11.306 ± 0.275 χ^2/NDF : 7698.1/52

All: 10.716 ± 0.191 χ^2/NDF : 16896.1/108

- sign 10.166 ± 0.265 χ^2/NDF : 9189.2/55

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.457 $\pm$ 0.423 χ^2/NDF : 578.7/28

Left Out: 17.280 $\pm$ 0.337 χ^2/NDF : 243.9/23

Right Out: 9.065 $\pm$ 0.423 χ^2/NDF : 611.4/32

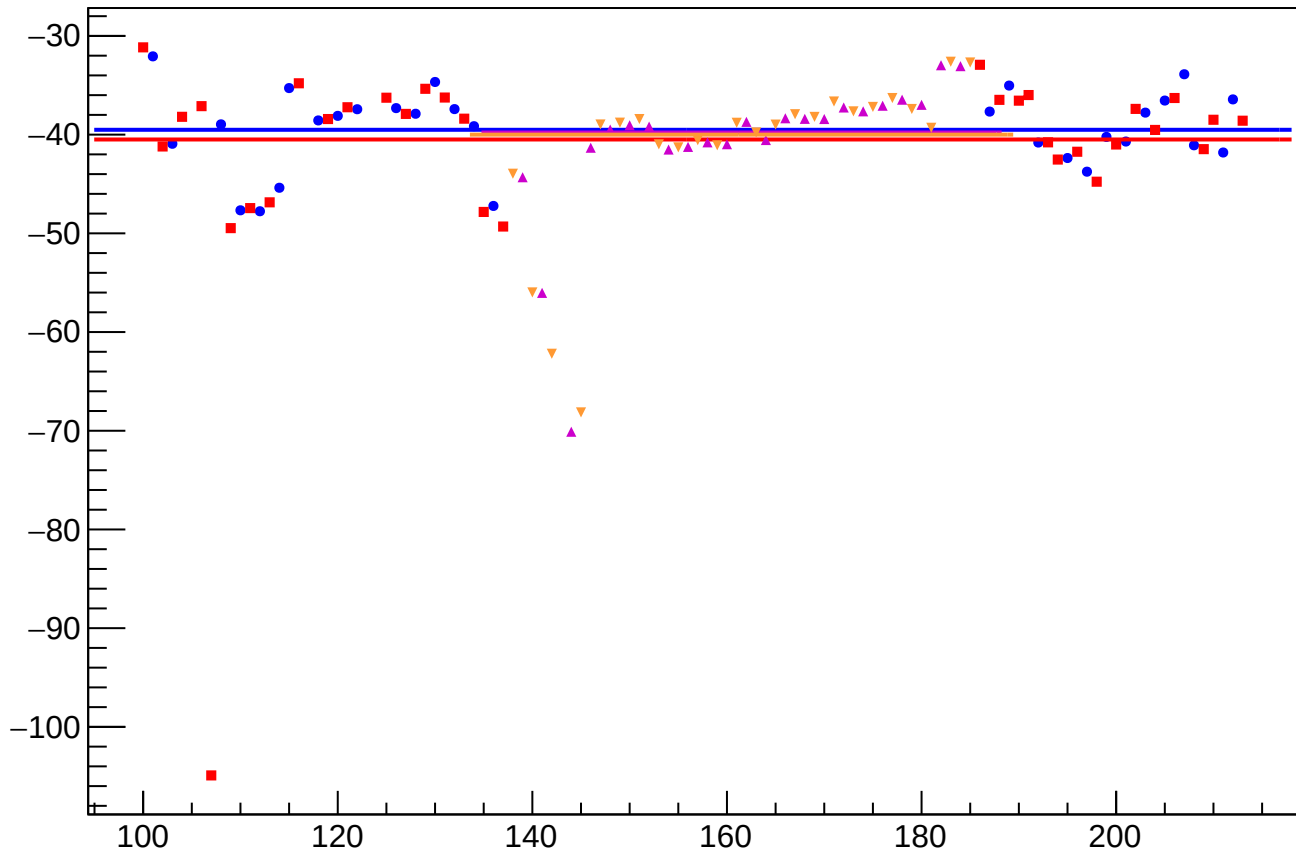
Left In: 17.245 $\pm$ 0.339 χ^2/NDF : 440.8/22

+ sign 14.630 $\pm$ 0.264 χ^2/NDF : 981.6/52

All: 14.336 $\pm$ 0.187 χ^2/NDF : 2263.9/108

- sign 14.039 $\pm$ 0.265 χ^2/NDF : 1279.8/55

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.509+/-0.021 χ^2/NDF : 37763.0/28

Left Out: -39.999+/-0.016 χ^2/NDF : 172263.8/23

Right Out: -40.492+/-0.021 χ^2/NDF : 107336.9/32

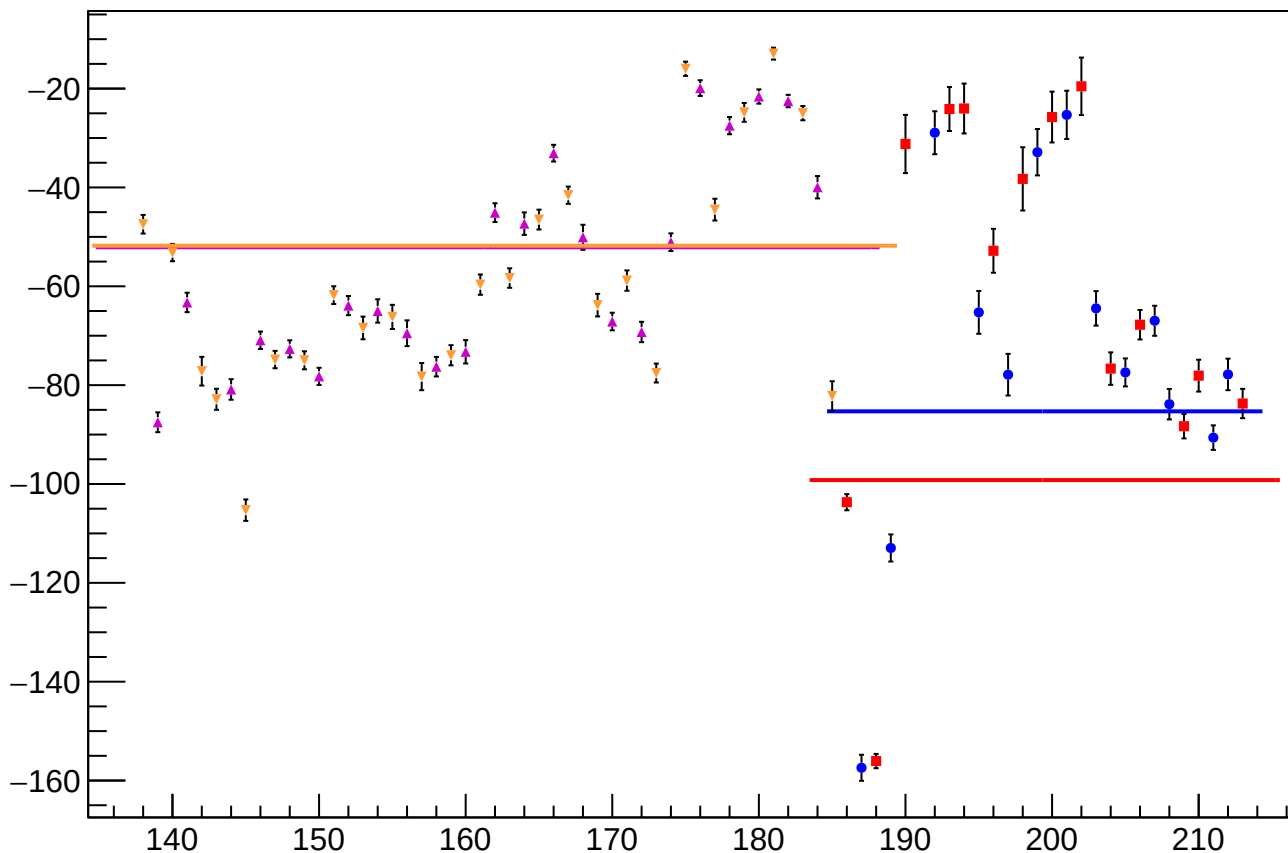
Left In: -39.785+/-0.016 χ^2/NDF : 144494.5/22

+ sign -39.822+/-0.013 χ^2/NDF : 210376.6/52

All: -39.935+/-0.009 χ^2/NDF : 463115.0/108

- sign -40.044+/-0.012 χ^2/NDF : 252581.5/55

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -85.301 ± 0.910 χ^2/NDF : 1410.8/12

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -99.205 ± 0.768 χ^2/NDF : 3033.7/13

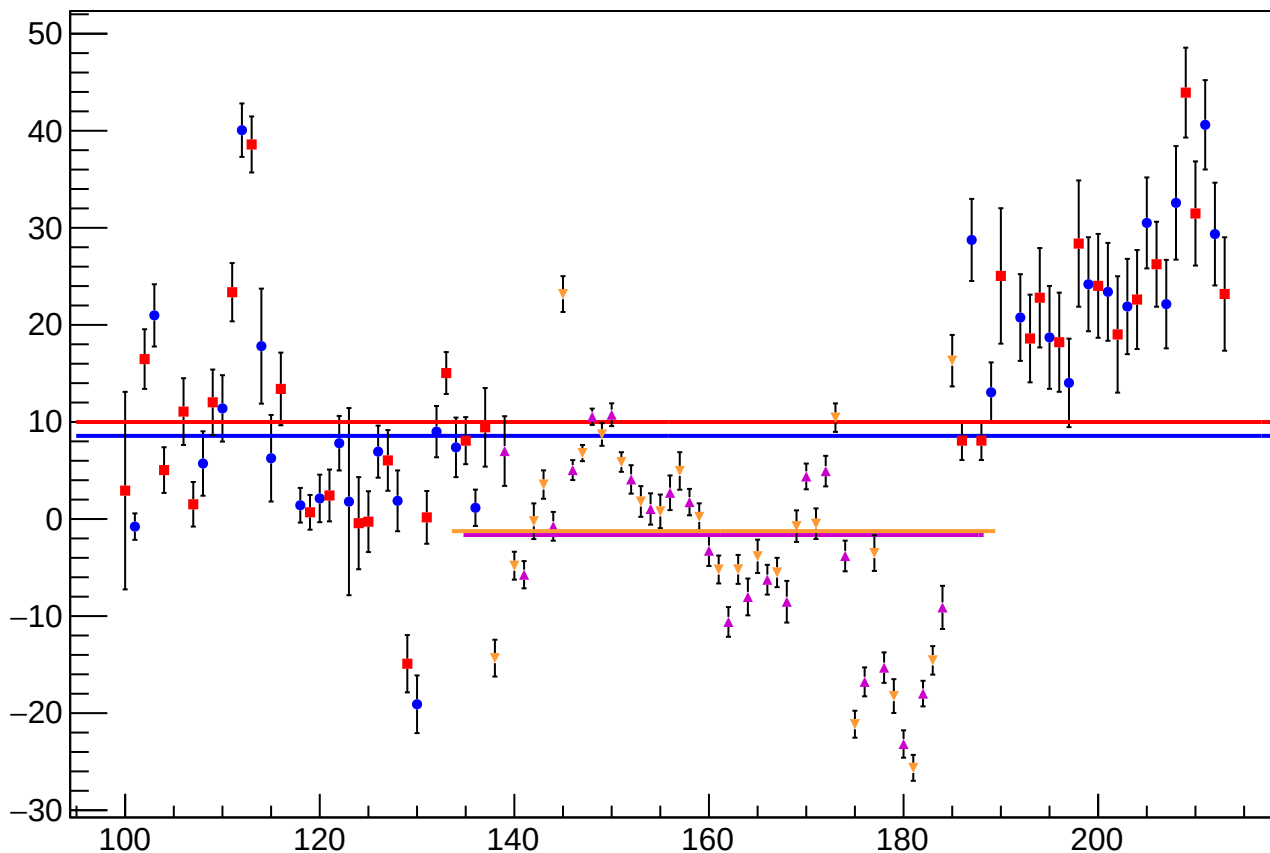
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -56.820 ± 0.353 χ^2/NDF : 6727.7/37

All: -59.303 ± 0.247 χ^2/NDF : 16132.3/74

- sign -61.703 ± 0.347 χ^2/NDF : 9307.1/36

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 8.566 ± 0.563 χ^2/NDF : 503.5/29

Left Out: -1.245 ± 0.292 χ^2/NDF : 1322.6/24

Right Out: 9.993 ± 0.551 χ^2/NDF : 415.7/32

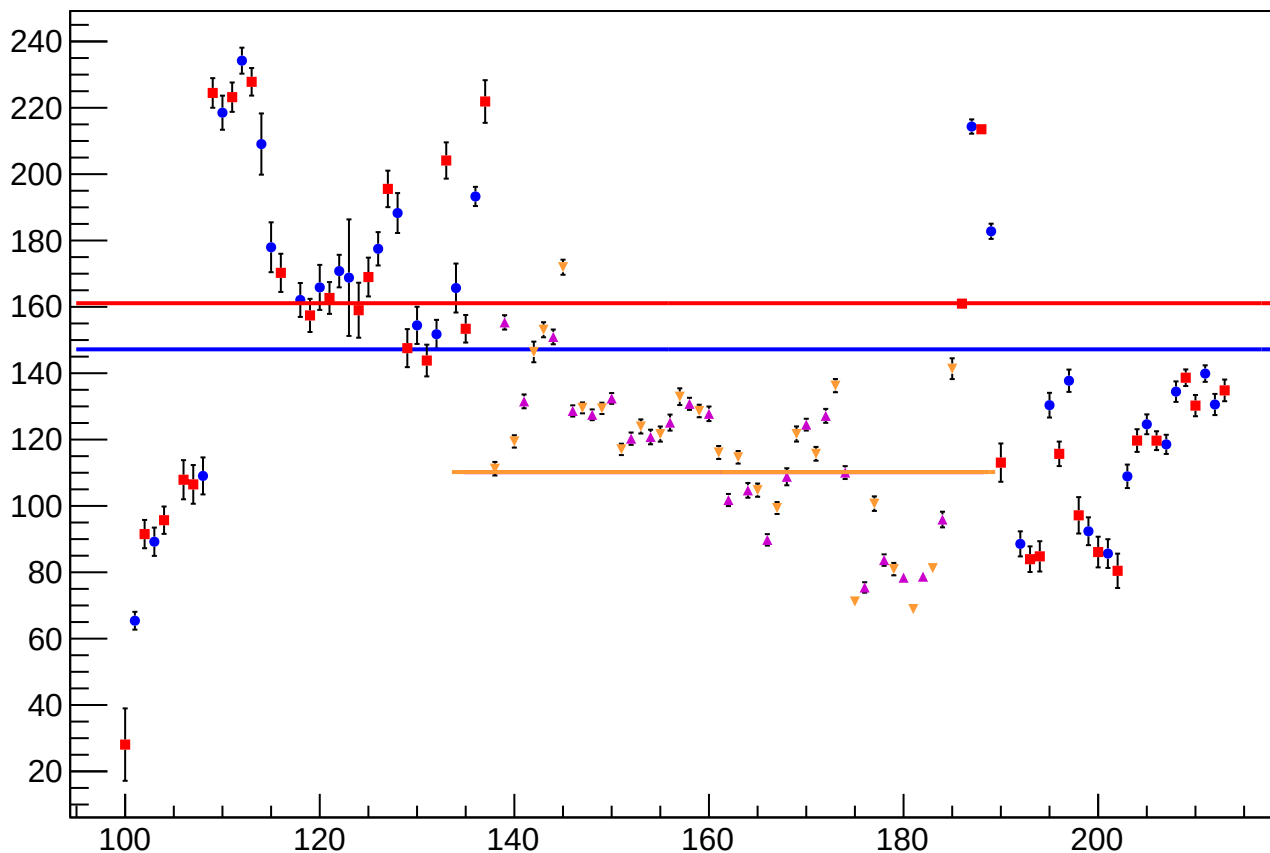
Left In: -1.650 ± 0.300 χ^2/NDF : 1092.2/22

+ sign 0.831 ± 0.259 χ^2/NDF : 2065.6/54

All: 0.920 ± 0.185 χ^2/NDF : 3917.9/110

- sign 1.013 ± 0.264 χ^2/NDF : 1852.0/55

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 147.196 $\pm$ 0.678 χ^2 /NDF: 4467.3/29

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 161.101 $\pm$ 0.583 χ^2 /NDF: 5888.2/32

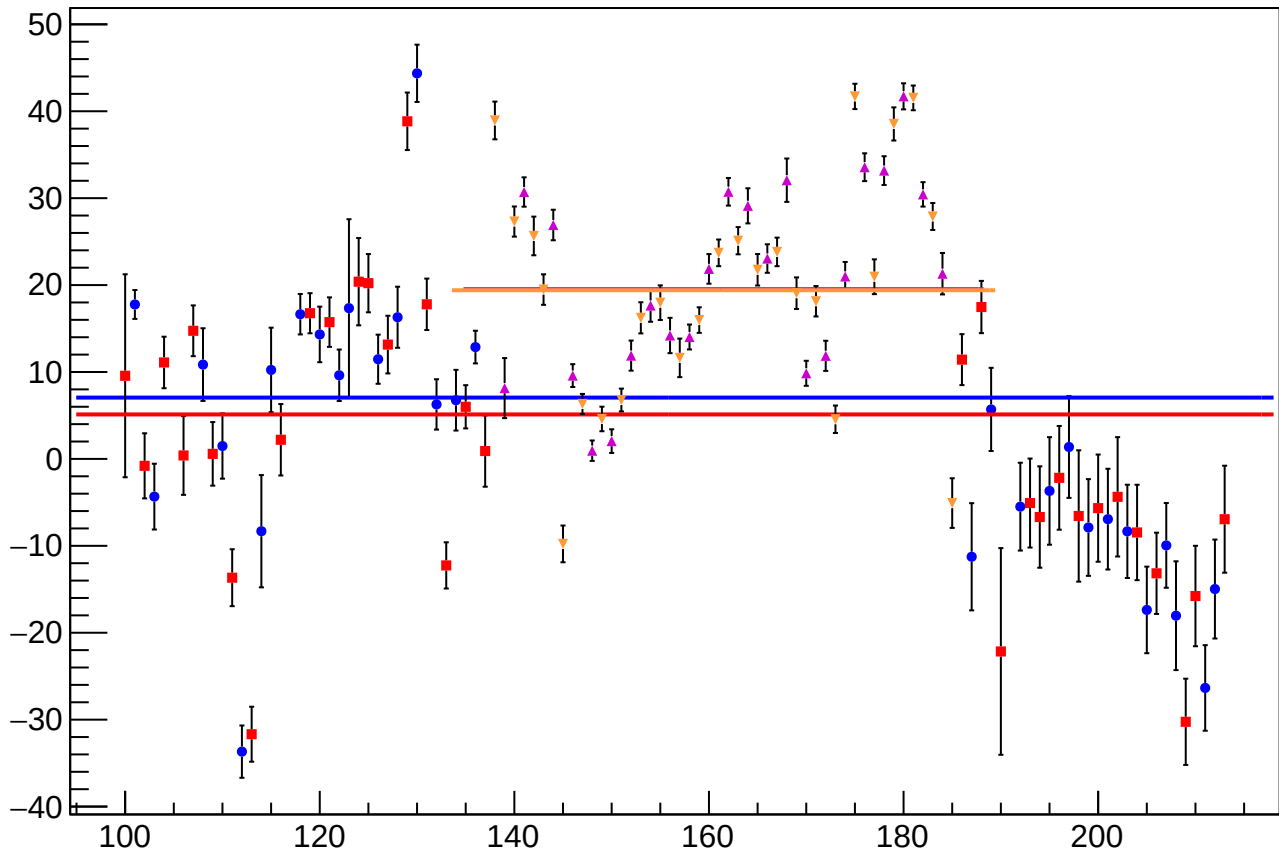
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 119.124 $\pm$ 0.333 χ^2 /NDF: 11318.8/54

All: 122.526 $\pm$ 0.231 χ^2 /NDF: 26422.3/110

- sign 125.706 $\pm$ 0.322 χ^2 /NDF: 14901.3/55

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 7.056 ± 0.650 $\chi^2/\text{NDF}: 567.7/29$

Left Out: 19.405 ± 0.335 $\chi^2/\text{NDF}: 1453.4/24$

Right Out: 5.117 ± 0.652 $\chi^2/\text{NDF}: 562.6/32$

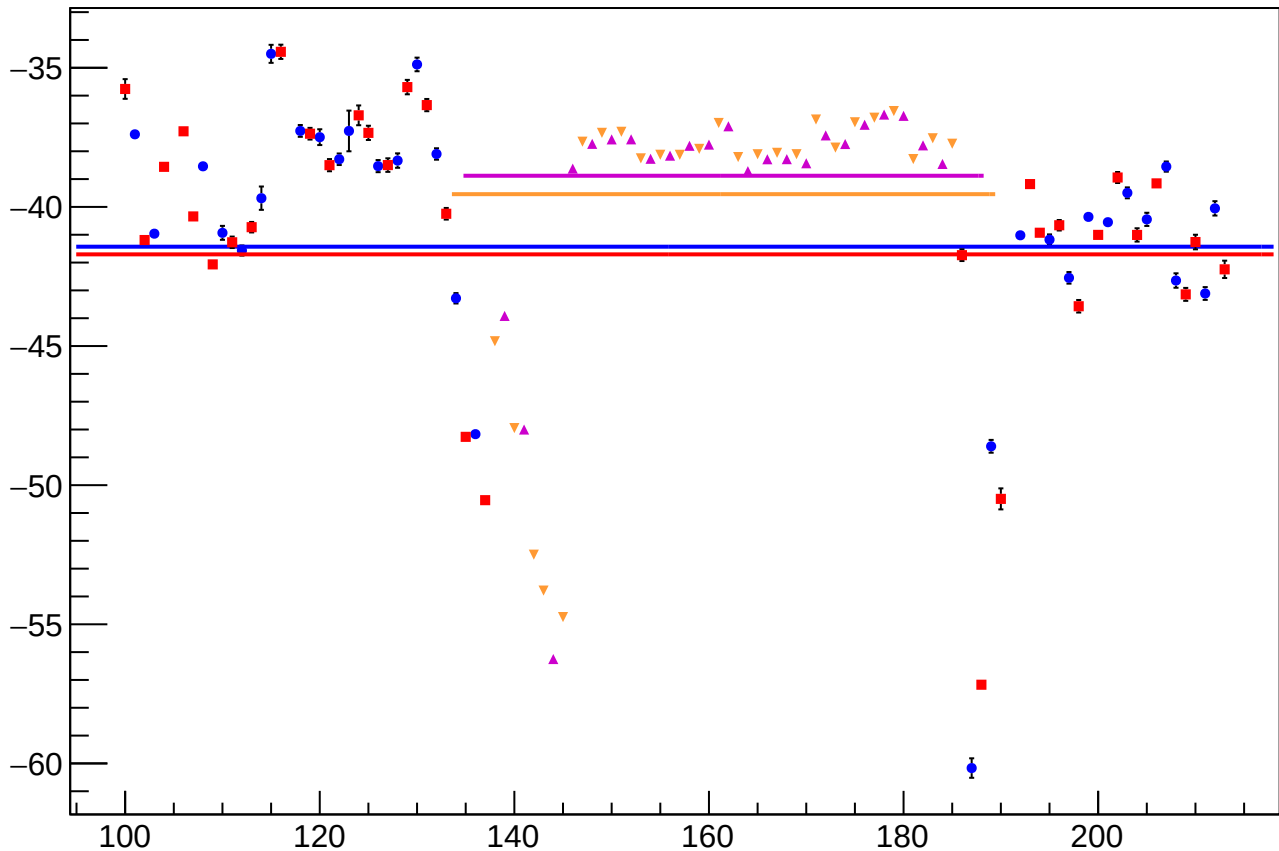
Left In: 19.530 ± 0.342 $\chi^2/\text{NDF}: 1181.3/22$

+ sign 16.817 ± 0.298 $\chi^2/\text{NDF}: 2306.4/54$

All: 16.618 ± 0.212 $\chi^2/\text{NDF}: 4434.6/110$

- sign 16.411 ± 0.303 $\chi^2/\text{NDF}: 2127.3/55$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.429 ± 0.032 χ^2/NDF : 16922.8/29

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -41.705 ± 0.031 χ^2/NDF : 23113.8/32

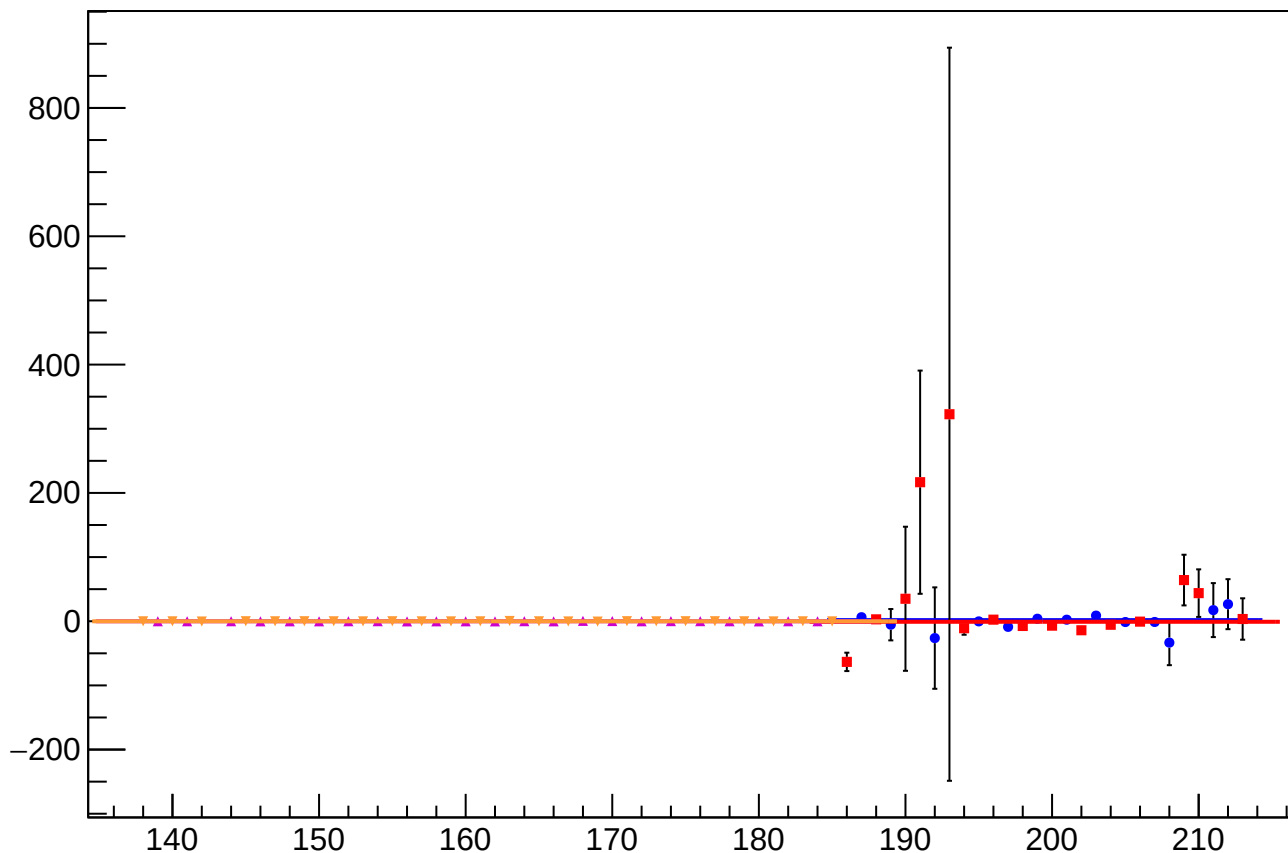
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.912 ± 0.014 χ^2/NDF : 111770.0/54

All: -39.683 ± 0.010 χ^2/NDF : 195250.4/110

- sign -39.452 ± 0.014 χ^2/NDF : 82951.9/55

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.755 ± 1.534 χ^2/NDF : 12.8/12

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.836 ± 1.419 χ^2/NDF : 36.7/14

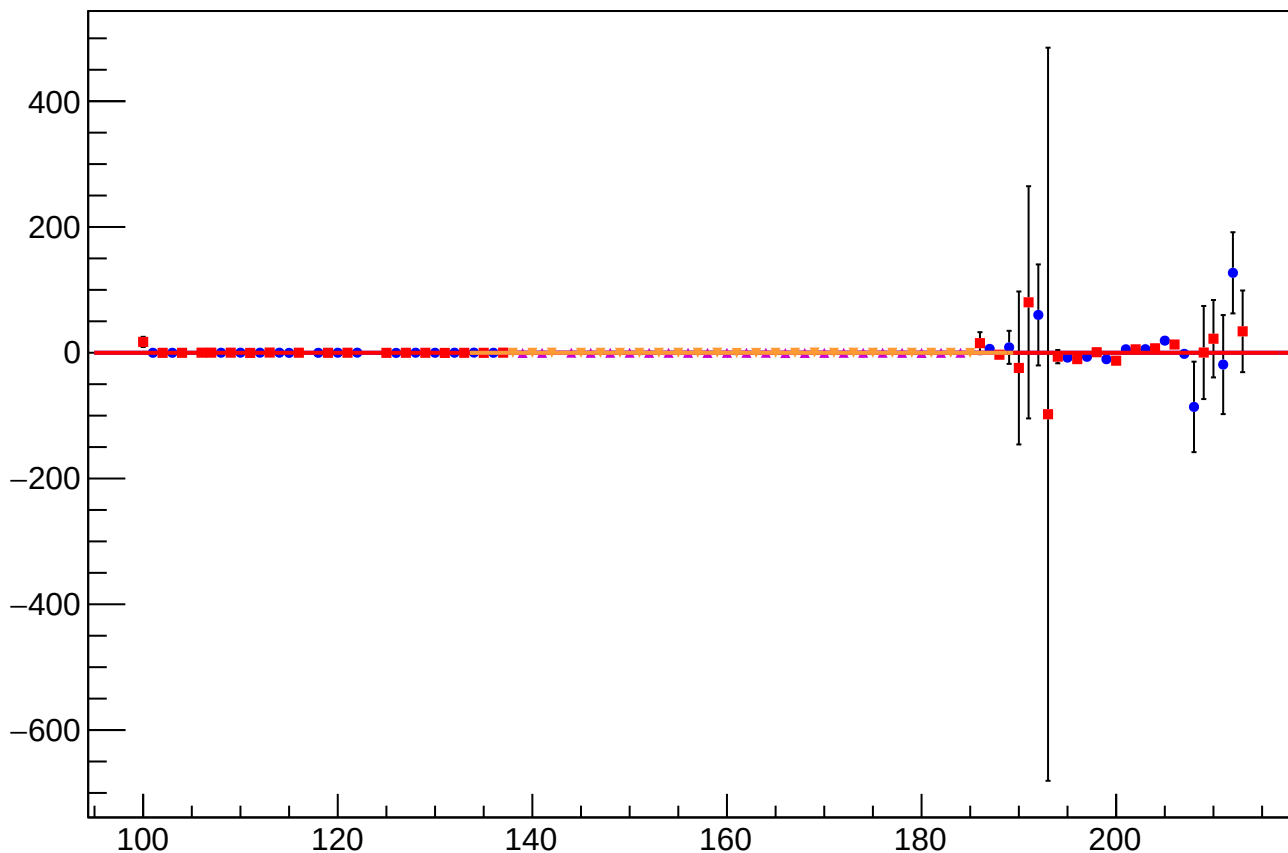
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 53.9/36

All: -0.057 ± 0.016 χ^2/NDF : 128.2/74

- sign -0.026 ± 0.022 χ^2/NDF : 70.3/37

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 37.3/28

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 41.5/32

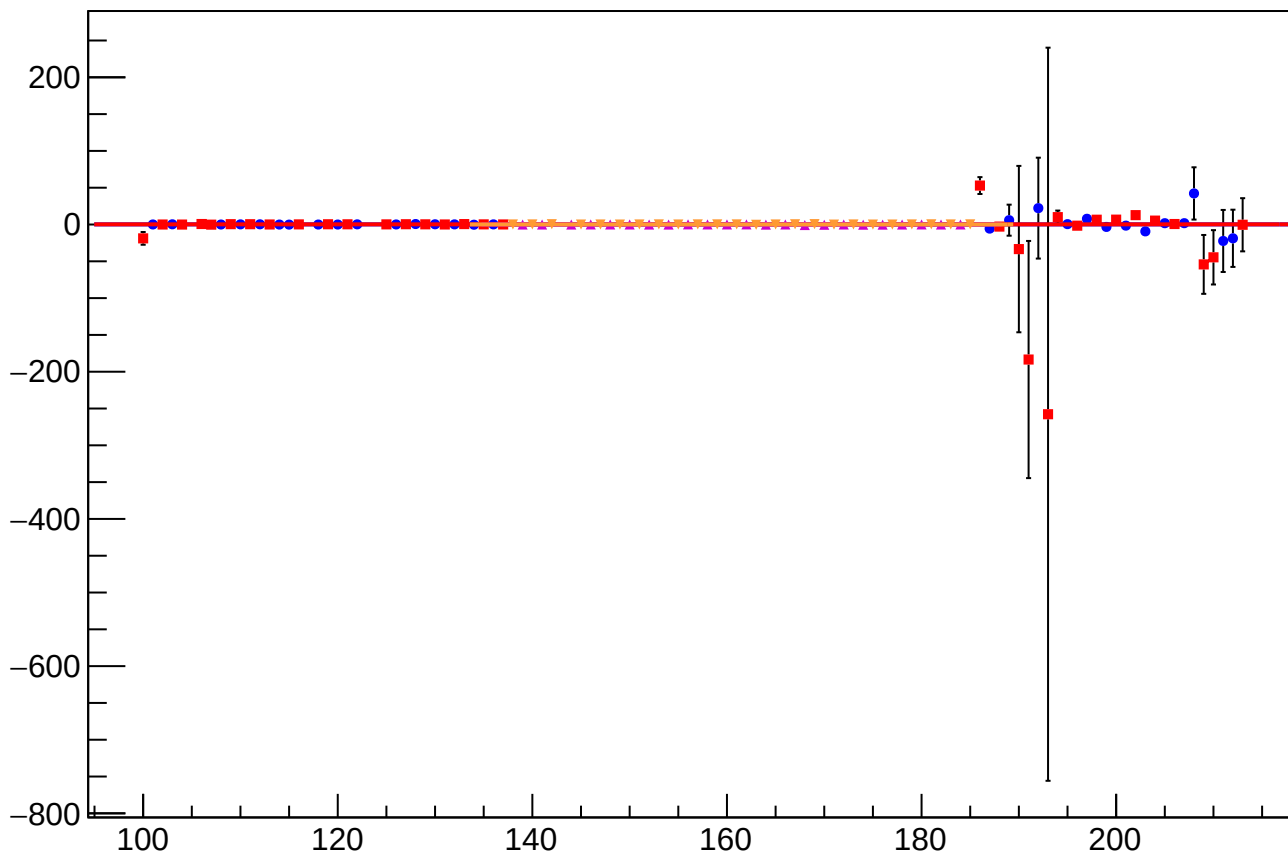
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 68.7/52

All: -0.056 ± 0.011 χ^2/NDF : 142.1/108

- sign -0.052 ± 0.015 χ^2/NDF : 73.2/55

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 29.1/28

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.236 ± 0.054 χ^2/NDF : 60.3/32

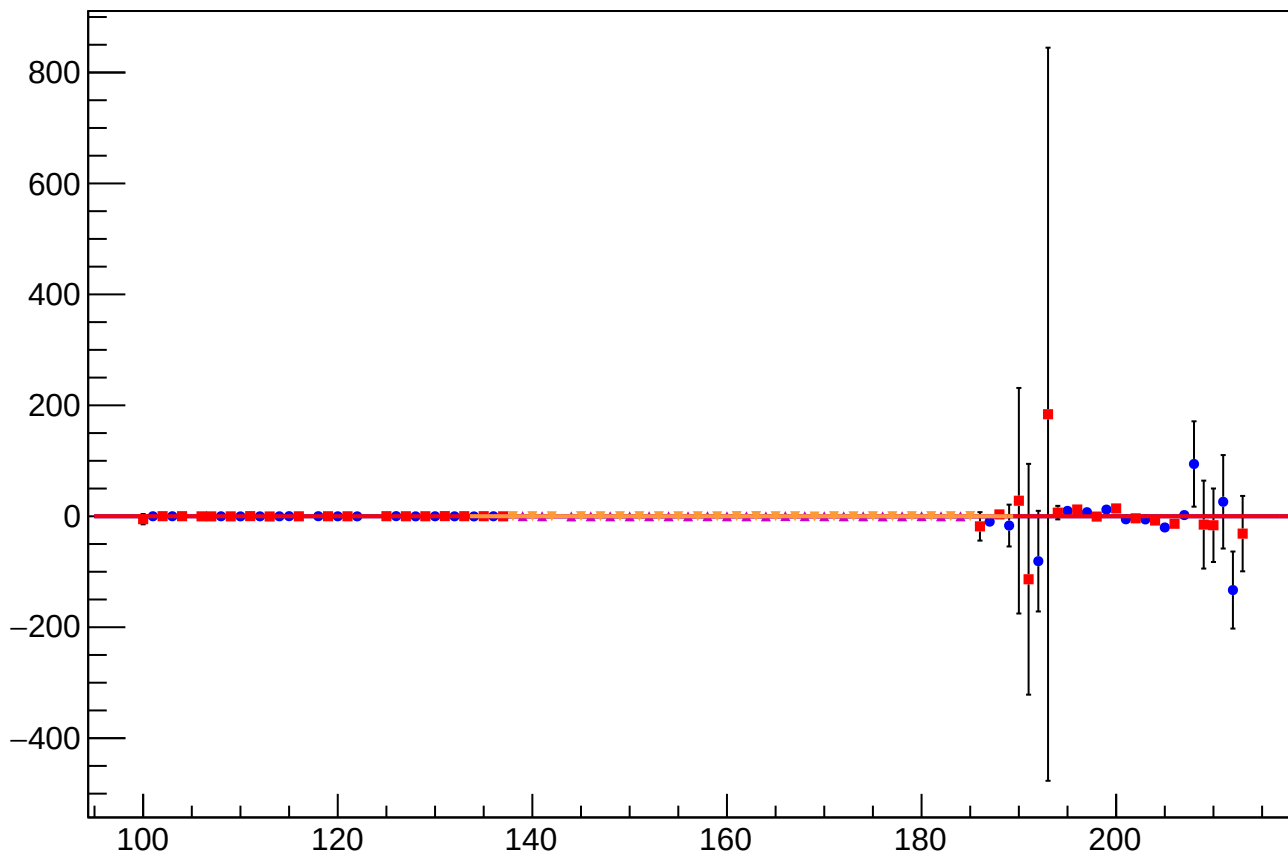
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 70.0/52

All: 0.073 ± 0.014 χ^2/NDF : 181.8/108

- sign 0.051 ± 0.021 χ^2/NDF : 109.5/55

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 38.7/28

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 34.9/32

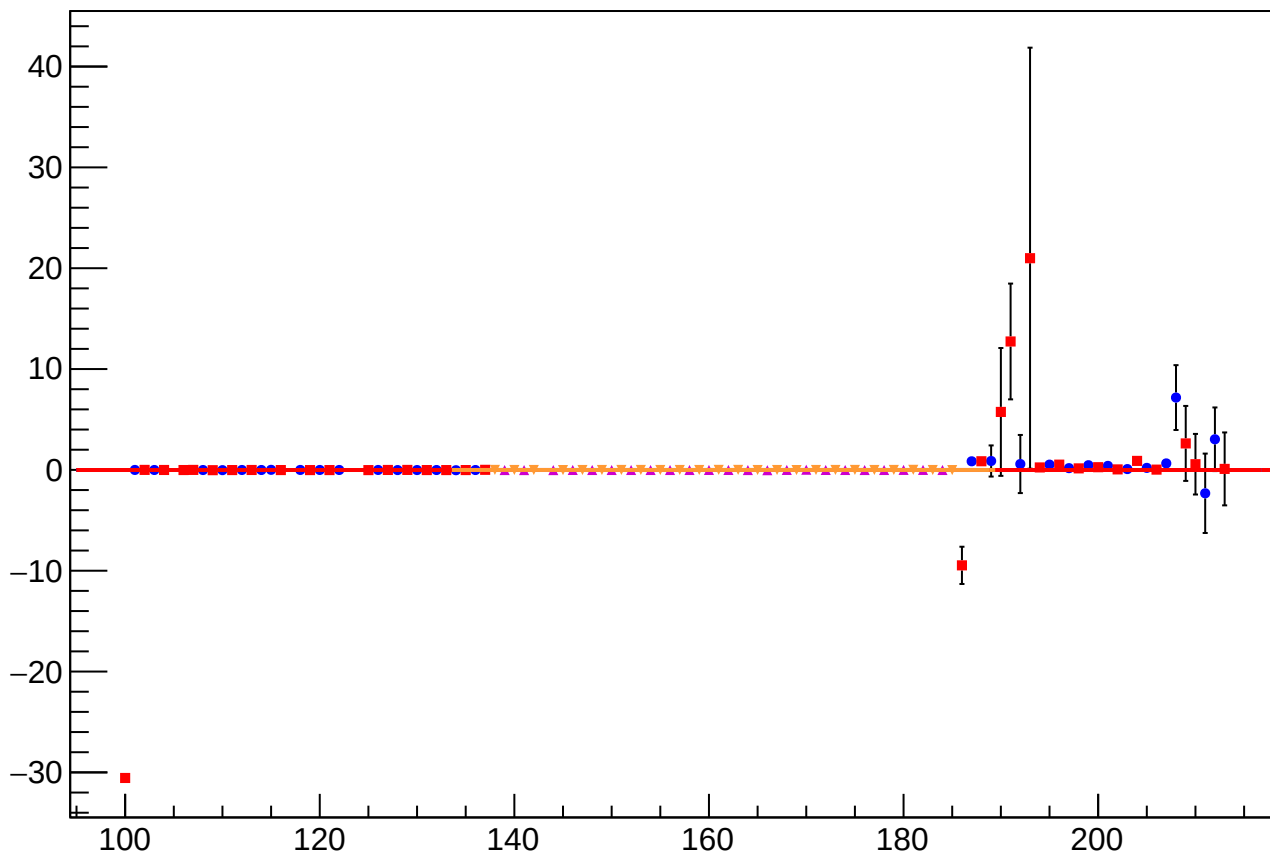
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 76.7/52

All: 0.071 ± 0.012 χ^2/NDF : 143.2/108

- sign 0.066 ± 0.017 χ^2/NDF : 66.3/55

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 47.9/28

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11954.9/32

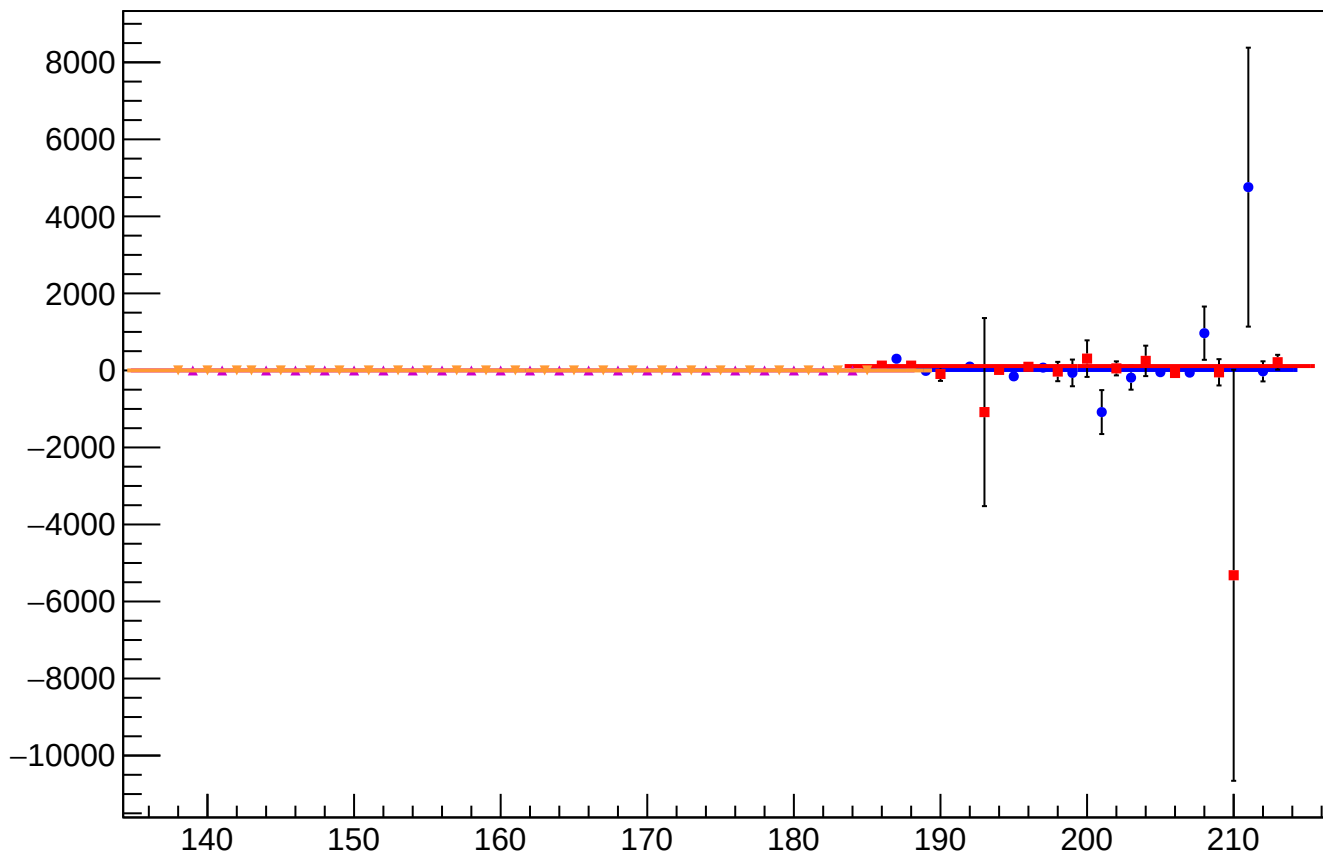
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 81.4/52

All: -0.009 ± 0.001 χ^2/NDF : 12079.9/108

- sign -0.009 ± 0.001 χ^2/NDF : 11998.1/55

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 11.783+/-25.909 χ^2/NDF : 23.9/12

Left Out: 0.017+/-0.027 χ^2/NDF : 30.9/24

Right Out: 113.239+/-16.110 χ^2/NDF : 8.8/13

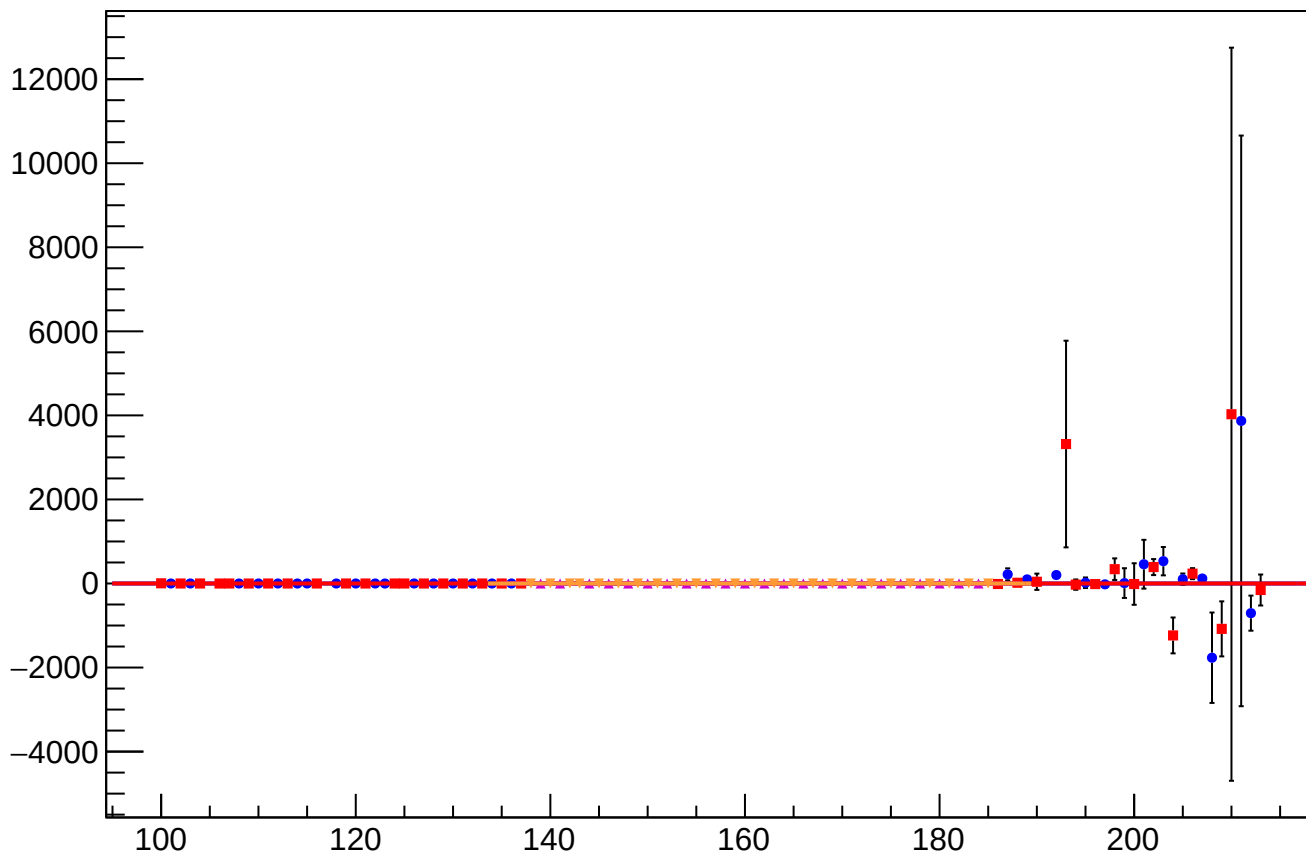
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 55.1/37

All: 0.010+/-0.019 χ^2/NDF : 142.5/74

- sign 0.003+/-0.028 χ^2/NDF : 87.2/36

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 44.9/29

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 41.4/32

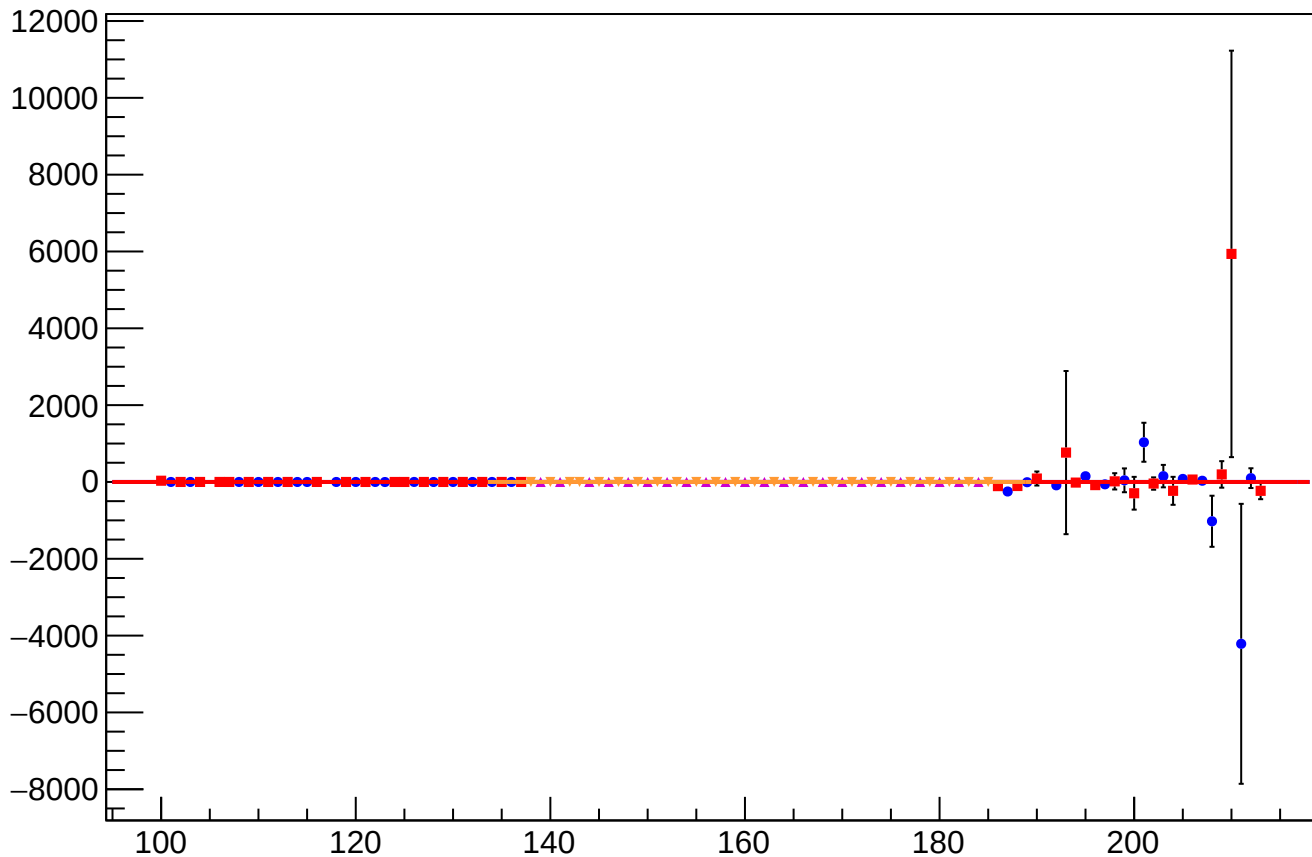
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 70.3/54

All: -0.066 ± 0.013 χ^2/NDF : 163.4/110

- sign -0.083 ± 0.019 χ^2/NDF : 91.5/55

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 50.0/29

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 81.8/32

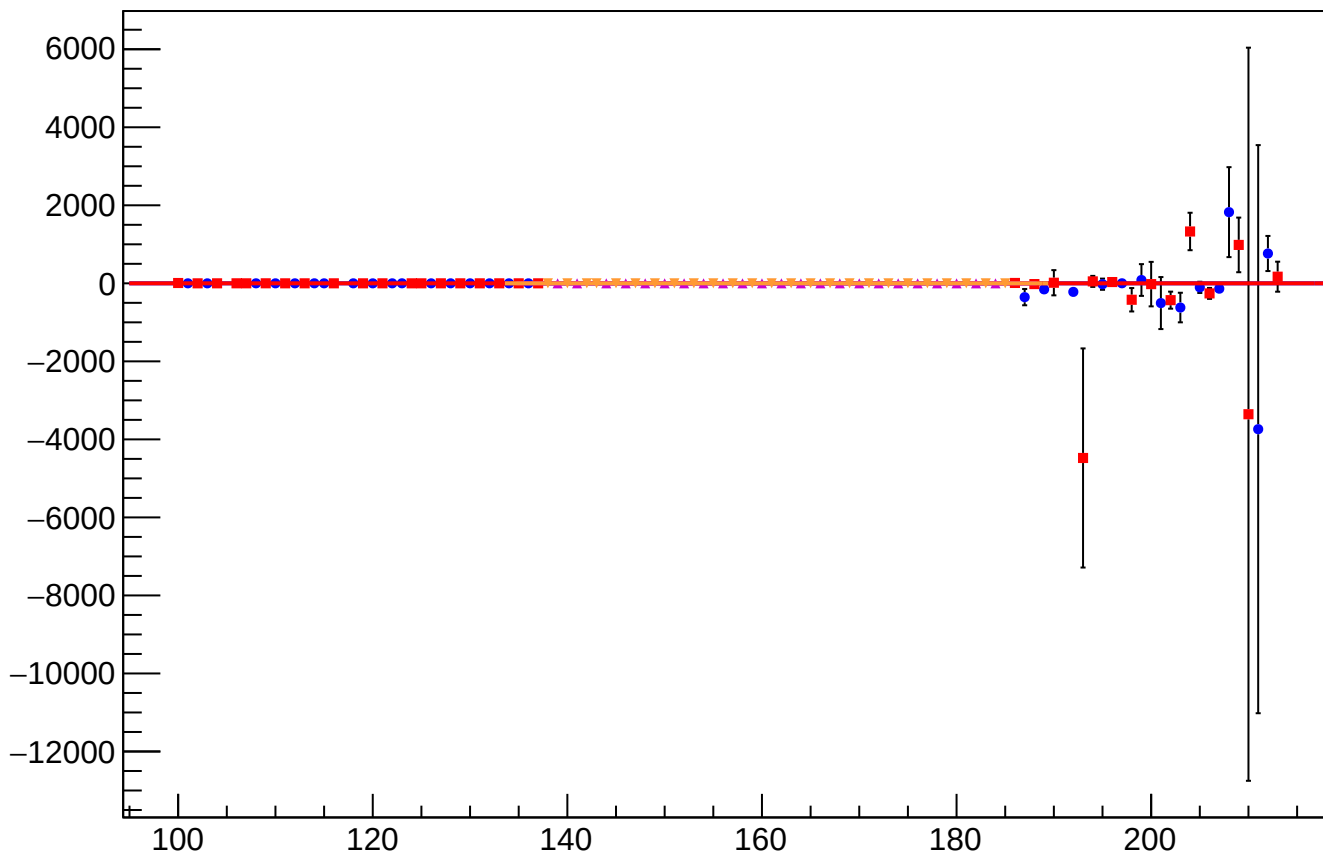
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 81.6/54

All: -0.042 ± 0.018 χ^2/NDF : 195.2/110

- sign -0.050 ± 0.026 χ^2/NDF : 113.4/55

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 43.7/29

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 38.9/32

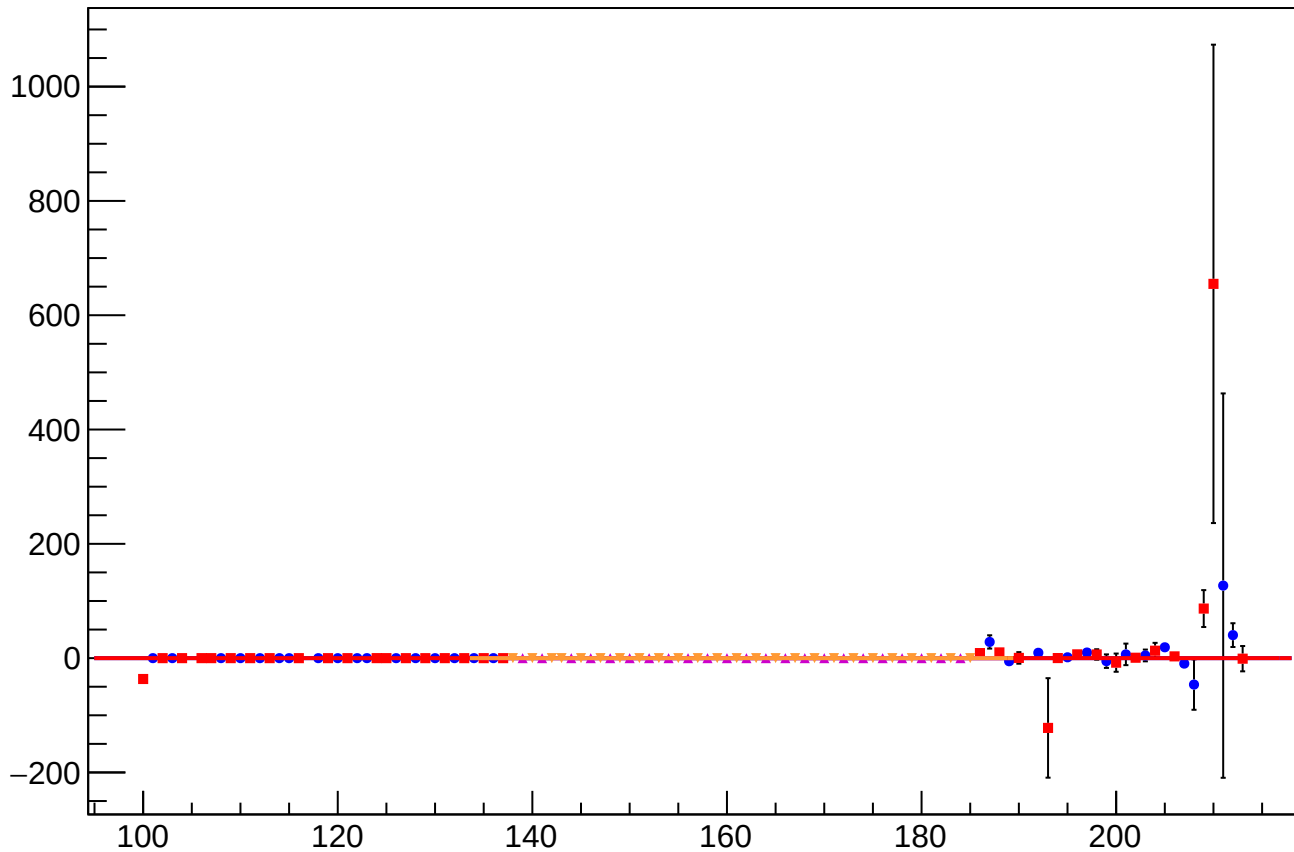
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 69.2/54

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 163.3/110

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 92.9/55

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 67.9/29

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10484.0/32

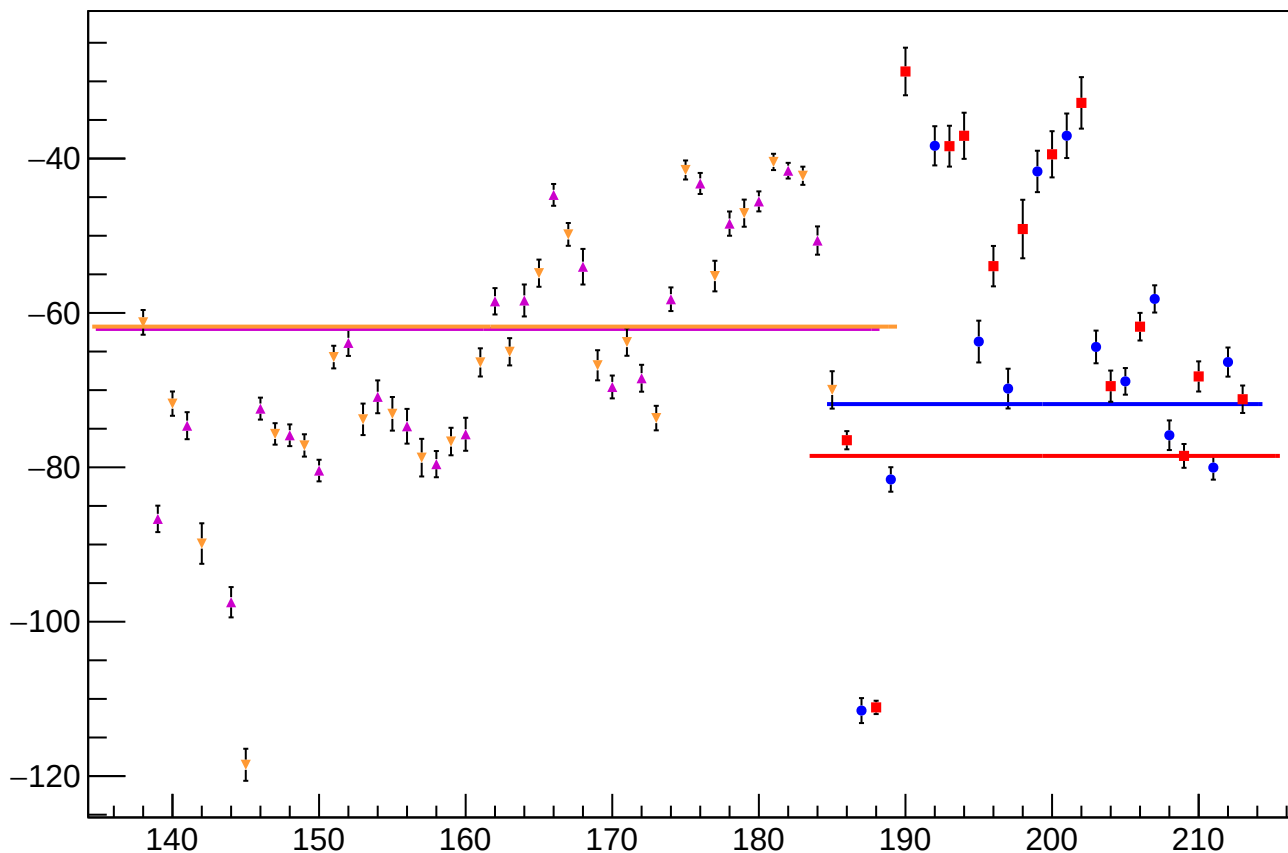
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 102.3/54

All: 0.007 ± 0.001 χ^2/NDF : 10611.8/110

- sign 0.007 ± 0.001 χ^2/NDF : 10509.4/55

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.808 ± 0.549 $\chi^2/\text{NDF}: 1210.3/12$

Left Out: -61.771 ± 0.334 $\chi^2/\text{NDF}: 2504.9/23$

Right Out: -78.521 ± 0.477 $\chi^2/\text{NDF}: 2767.1/13$

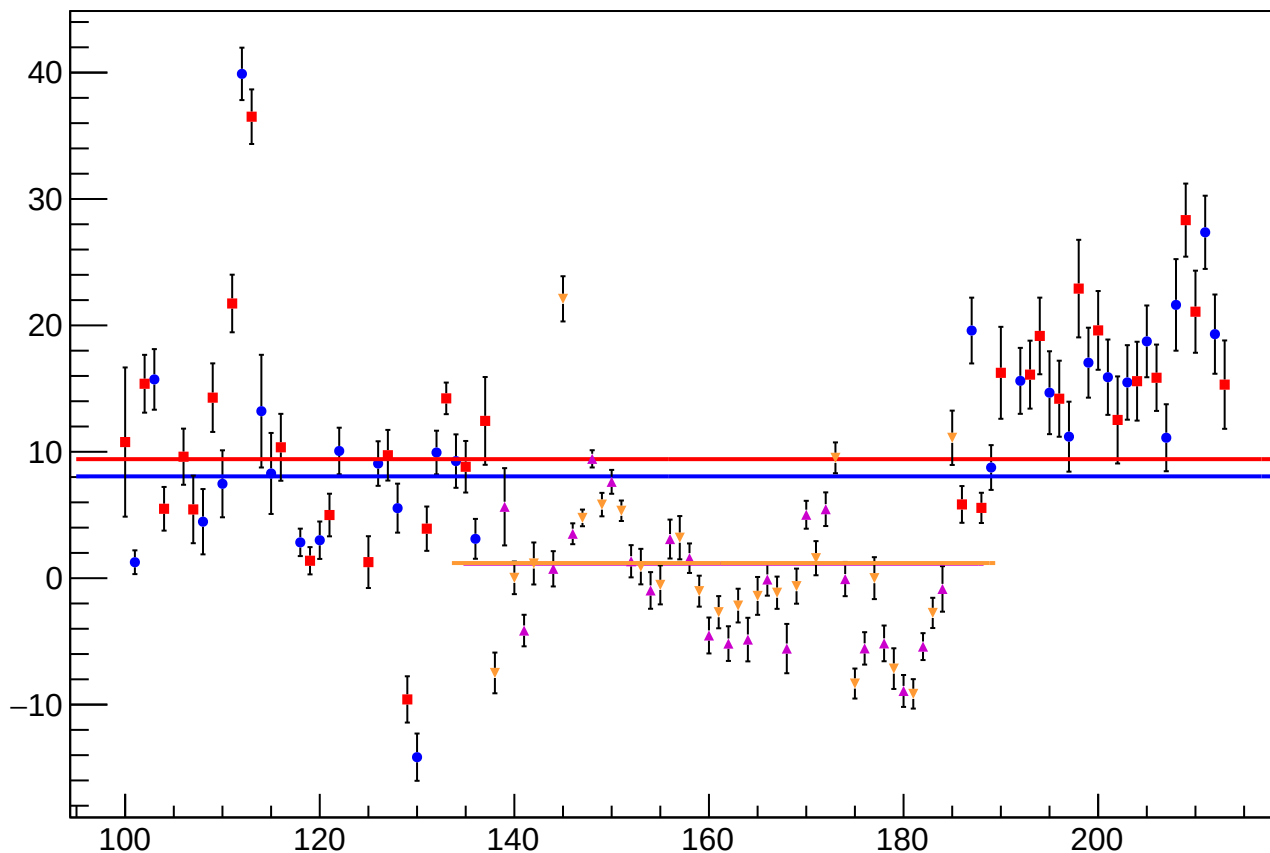
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -64.484 ± 0.285 $\chi^2/\text{NDF}: 3959.5/36$

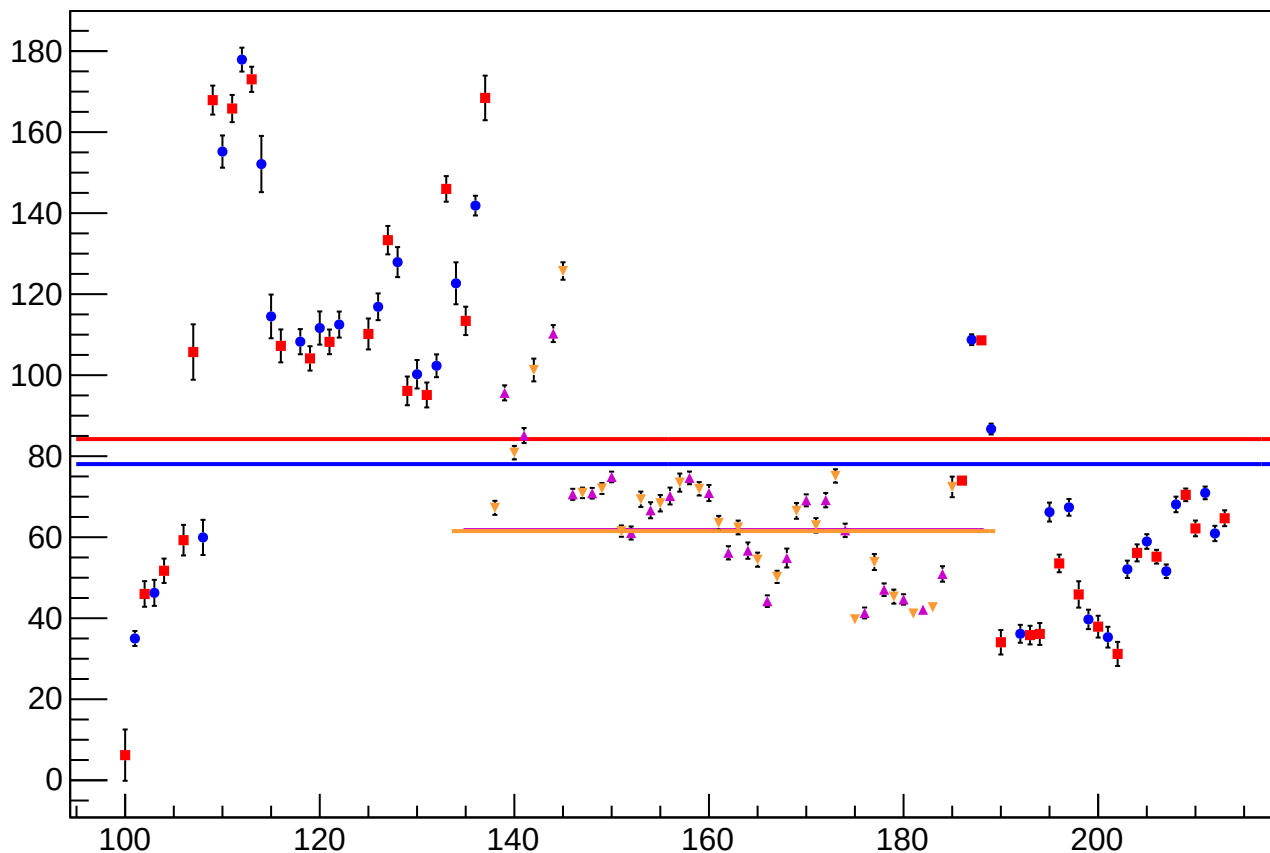
All: -66.032 ± 0.197 $\chi^2/\text{NDF}: 9775.2/73$

- sign -67.446 ± 0.273 $\chi^2/\text{NDF}: 5759.3/36$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 78.049 $\pm$ 0.429 χ^2 /NDF: 5964.8/28

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF: 2606.0/23

Right Out: 84.222 $\pm$ 0.375 χ^2 /NDF: 7621.2/31

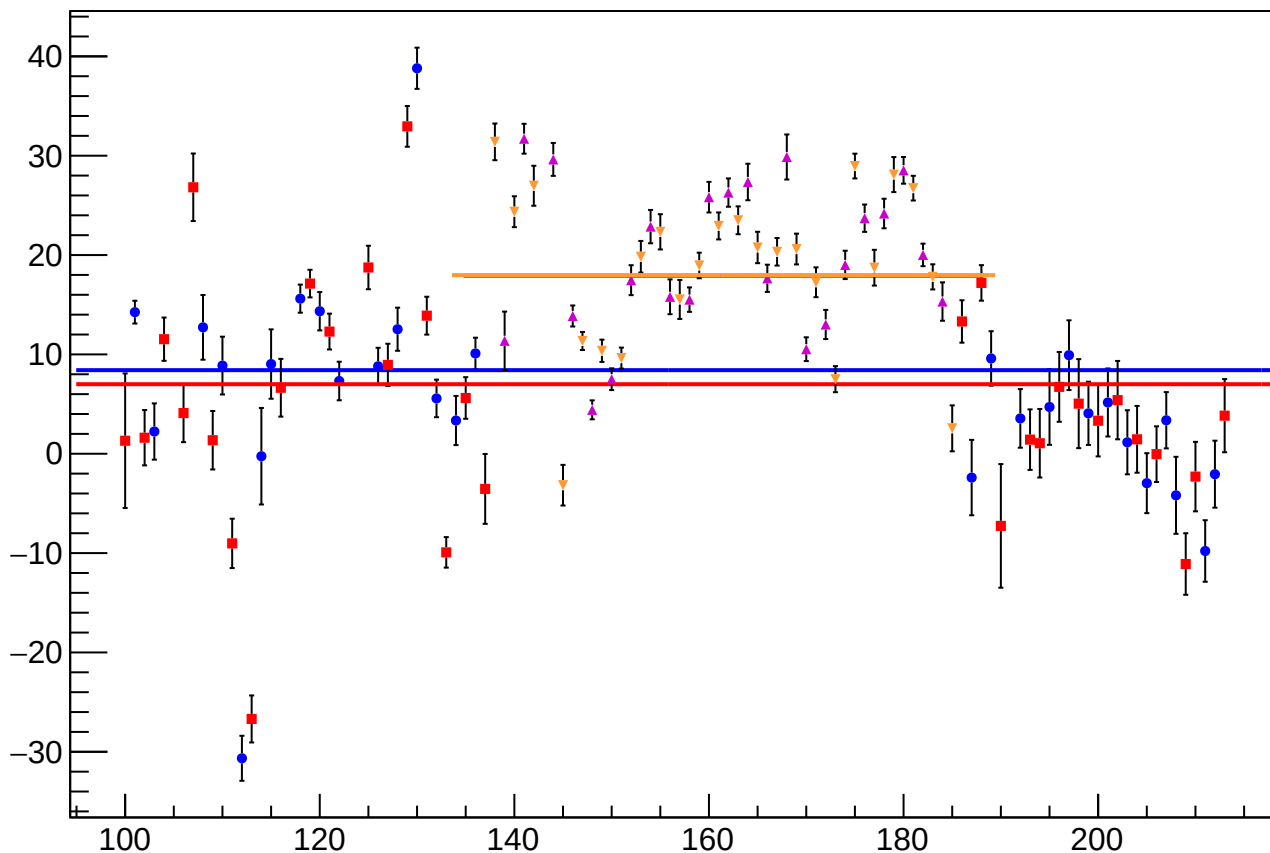
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 67.709 $\pm$ 0.263 χ^2 /NDF: 9498.8/52

All: 69.757 $\pm$ 0.180 χ^2 /NDF: 21677.3/107

- sign 71.576 $\pm$ 0.248 χ^2 /NDF: 12063.9/54

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.414 $\pm$ 0.436 χ^2/NDF : 686.8/28

Left Out: 17.980 $\pm$ 0.291 χ^2/NDF : 674.4/23

Right Out: 7.001 $\pm$ 0.441 χ^2/NDF : 792.5/31

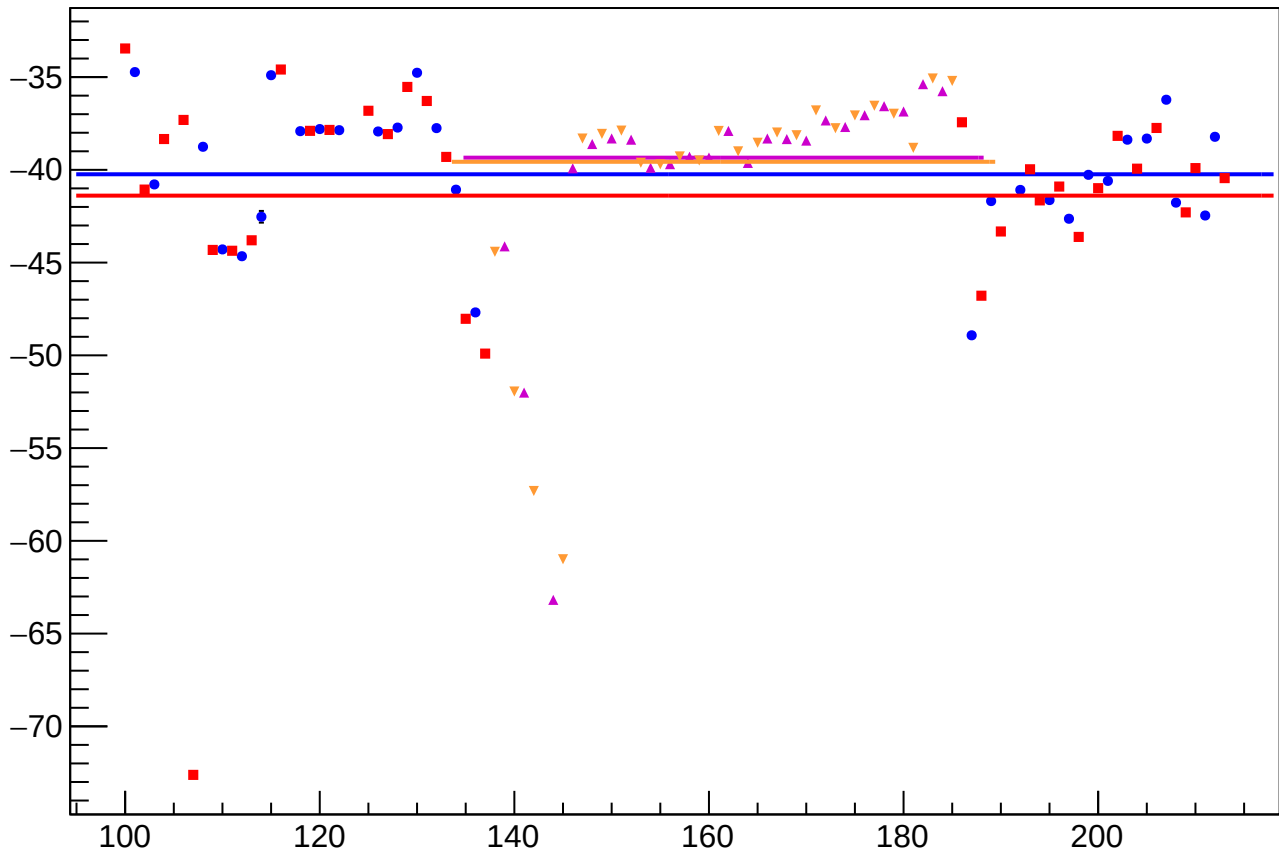
Left In: 17.916 $\pm$ 0.292 χ^2/NDF : 726.5/22

+ sign 15.030 $\pm$ 0.242 χ^2/NDF : 1694.7/52

All: 14.810 $\pm$ 0.172 χ^2/NDF : 3640.7/107

- sign 14.586 $\pm$ 0.244 χ^2/NDF : 1944.3/54

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.239 ± 0.022 χ^2/NDF : 29841.9/28

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.390 ± 0.021 χ^2/NDF : 68706.0/31

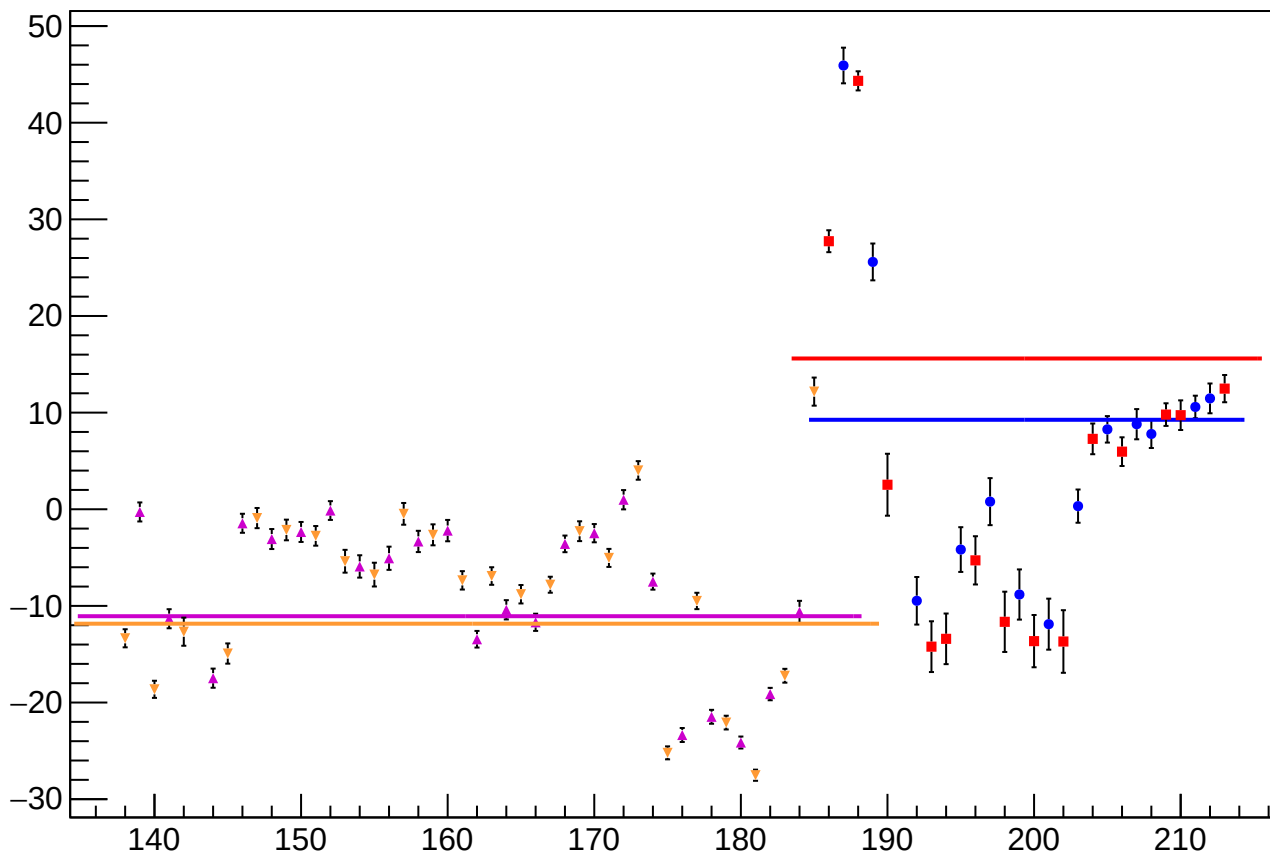
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.760 ± 0.012 χ^2/NDF : 171733.5/52

All: -39.847 ± 0.008 χ^2/NDF : 363681.0/107

- sign -39.932 ± 0.011 χ^2/NDF : 191836.3/54

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 9.258 ± 0.483 χ^2/NDF : 716.6/12

Left Out: -11.842 ± 0.187 χ^2/NDF : 2739.8/23

Right Out: 15.601 ± 0.439 χ^2/NDF : 1683.3/13

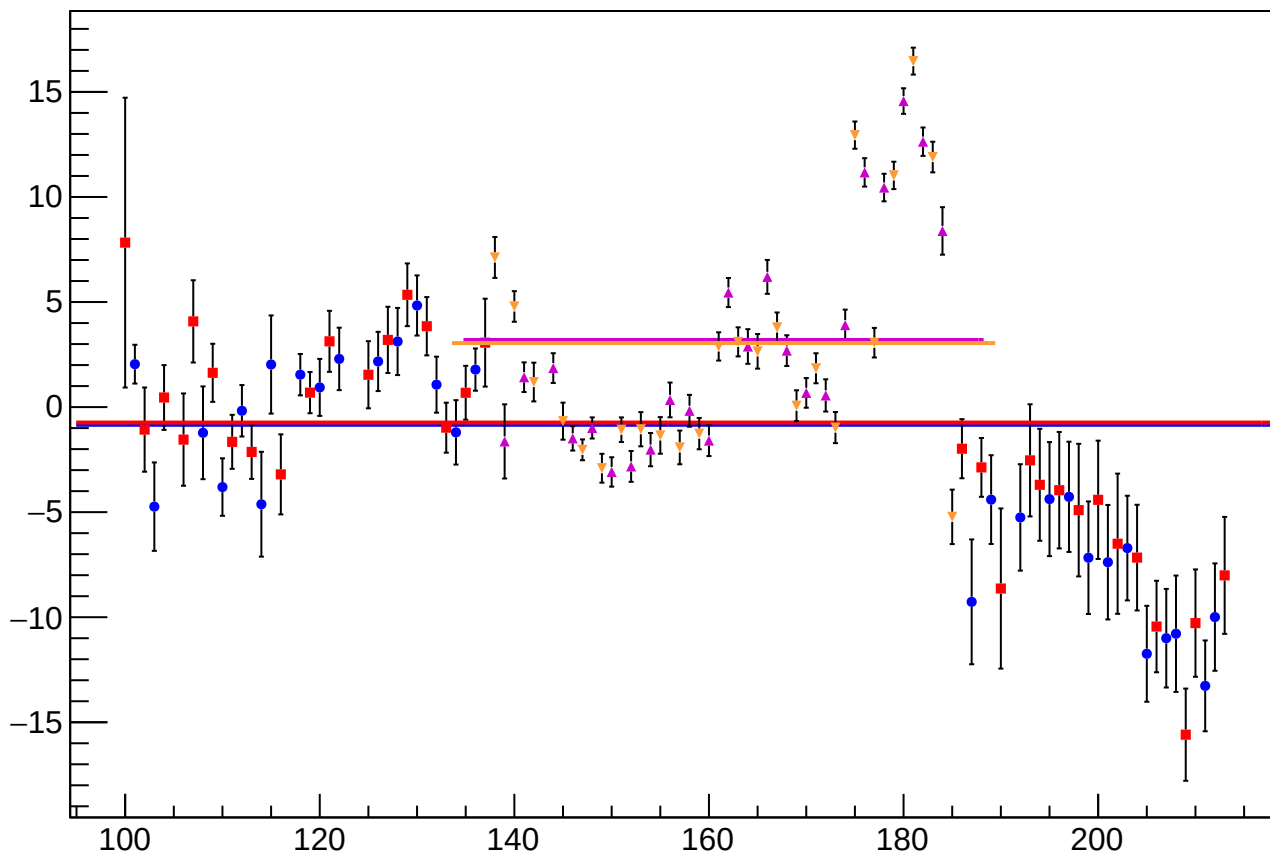
Left In: -11.067 ± 0.188 χ^2/NDF : 2104.8/22

+ sign -9.093 ± 0.174 χ^2/NDF : 5118.7/36

All: -8.005 ± 0.123 χ^2/NDF : 12102.2/73

- sign -6.936 ± 0.173 χ^2/NDF : 6906.2/36

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.842 ± 0.307 χ^2/NDF : 204.0/28

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: -0.736 ± 0.306 χ^2/NDF : 174.1/31

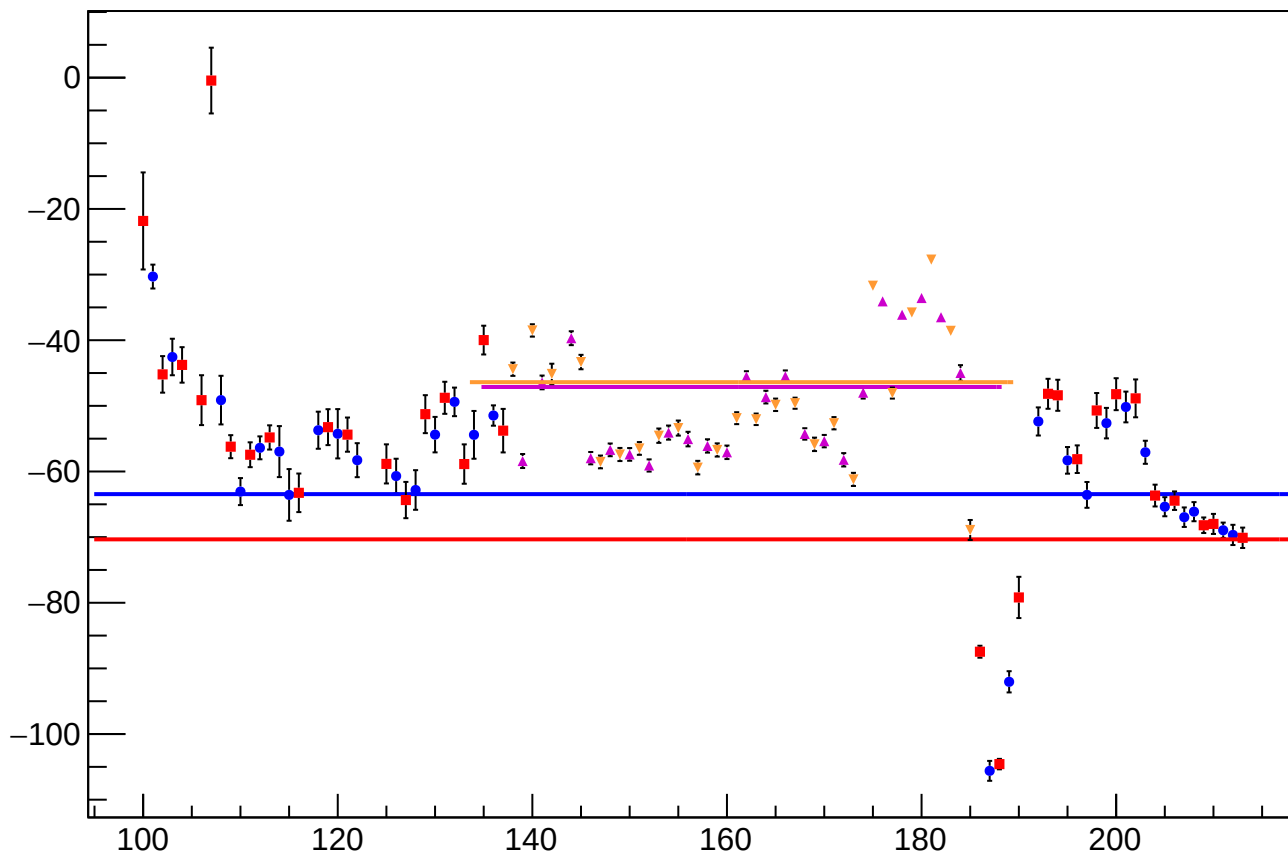
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.314 ± 0.133 χ^2/NDF : 1791.6/52

All: 2.373 ± 0.095 χ^2/NDF : 3393.9/107

- sign 2.434 ± 0.135 χ^2/NDF : 1601.9/54

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -63.449 $\pm$ 0.367 χ^2/NDF : 1800.0/28

Left Out: -46.392 $\pm$ 0.187 χ^2/NDF : 3286.7/23

Right Out: -70.340 $\pm$ 0.334 χ^2/NDF : 3732.5/31

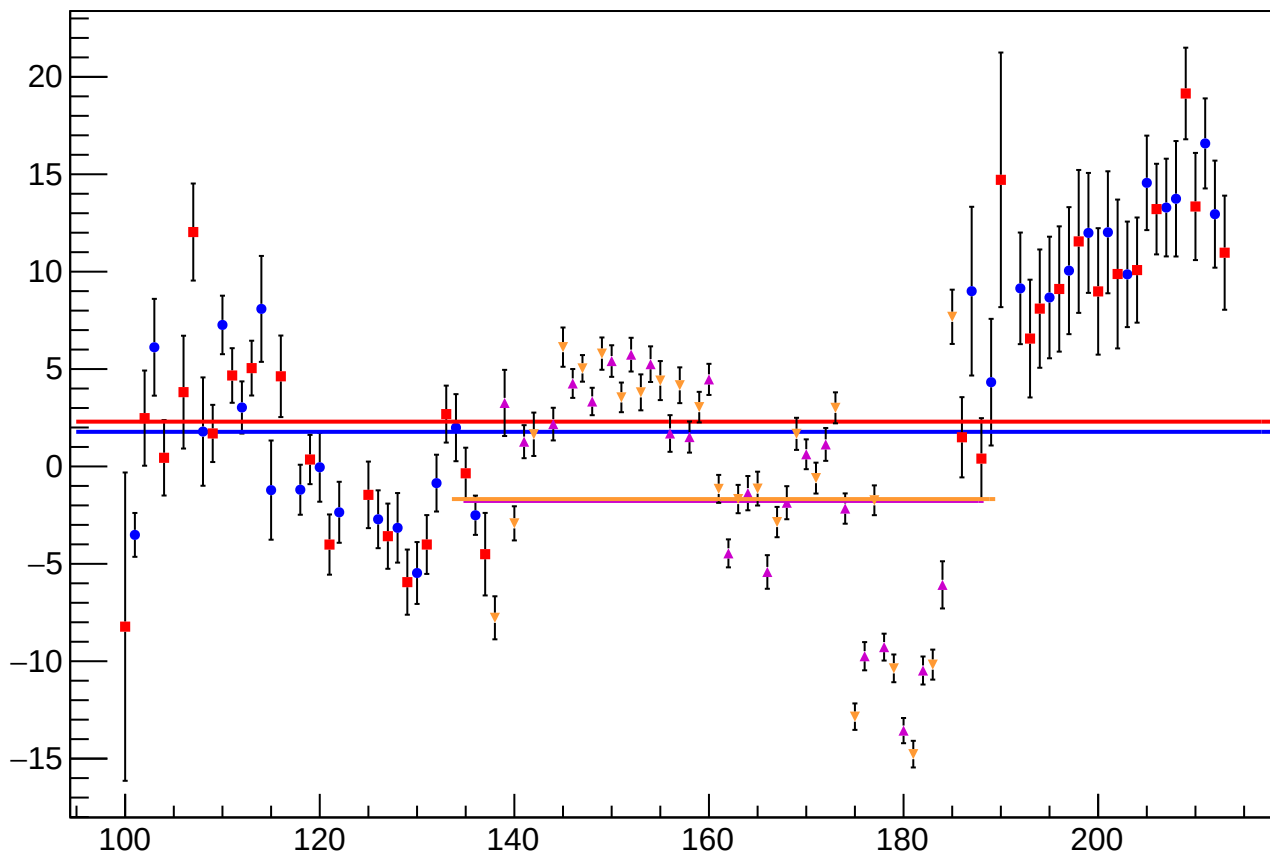
Left In: -47.128 $\pm$ 0.187 χ^2/NDF : 2516.0/22

+ sign -49.893 $\pm$ 0.166 χ^2/NDF : 6802.0/52

All: -51.306 $\pm$ 0.117 χ^2/NDF : 16863.4/107

- sign -52.669 $\pm$ 0.163 χ^2/NDF : 9919.5/54

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.777 ± 0.349 χ^2/NDF : 293.0/28

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 2.300 ± 0.353 χ^2/NDF : 254.5/31

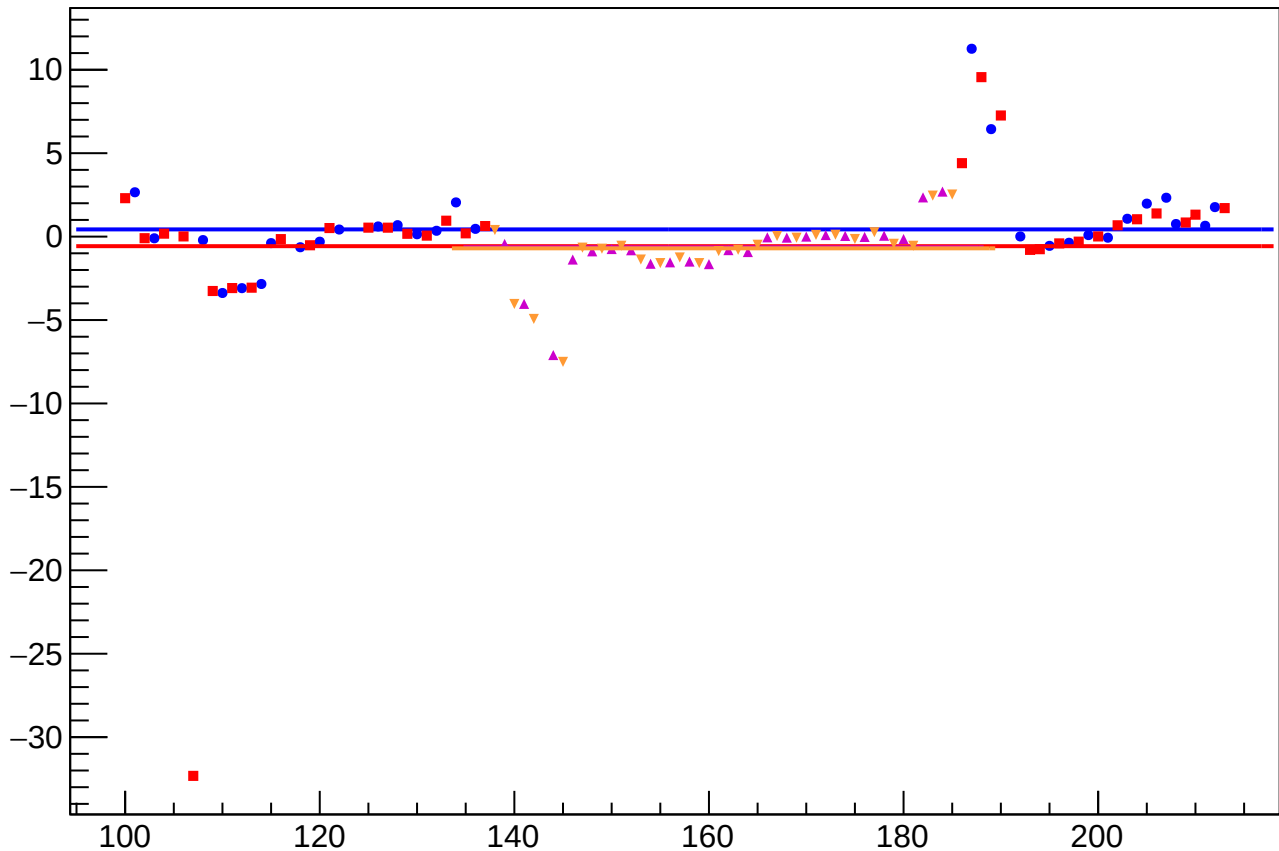
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.031 ± 0.151 χ^2/NDF : 1856.6/52

All: -1.021 ± 0.107 χ^2/NDF : 3470.7/107

- sign -1.011 ± 0.152 χ^2/NDF : 1614.1/54

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.432 ± 0.017 χ^2/NDF : 10079.5/28

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.573 ± 0.017 χ^2/NDF : 94031.1/31

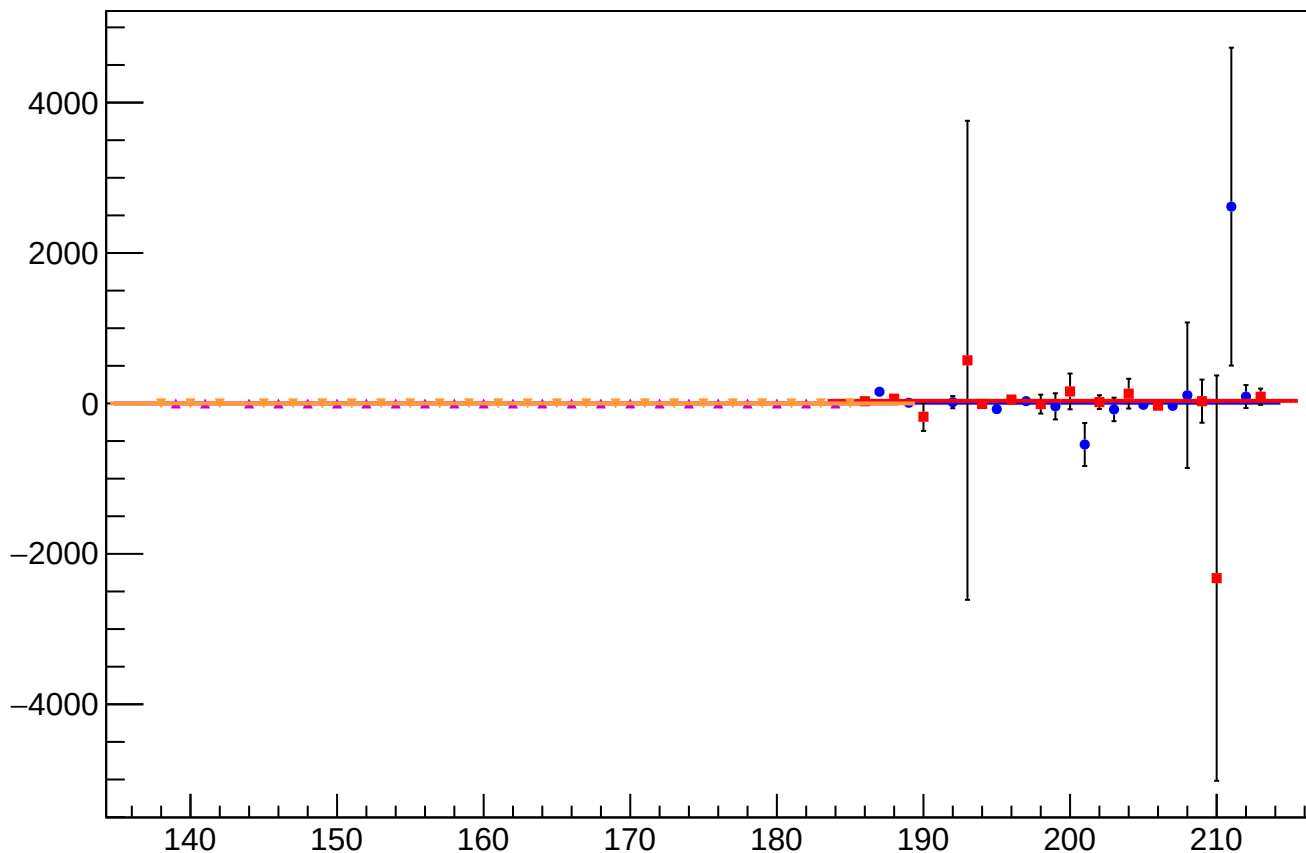
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.519 ± 0.007 χ^2/NDF : 67454.0/52

All: -0.576 ± 0.005 χ^2/NDF : 205798.1/107

- sign -0.632 ± 0.007 χ^2/NDF : 138214.0/54

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 9.963 ± 15.140 χ^2/NDF : 21.2/12

Left Out: -0.037 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 34.398 ± 9.632 χ^2/NDF : 7.6/13

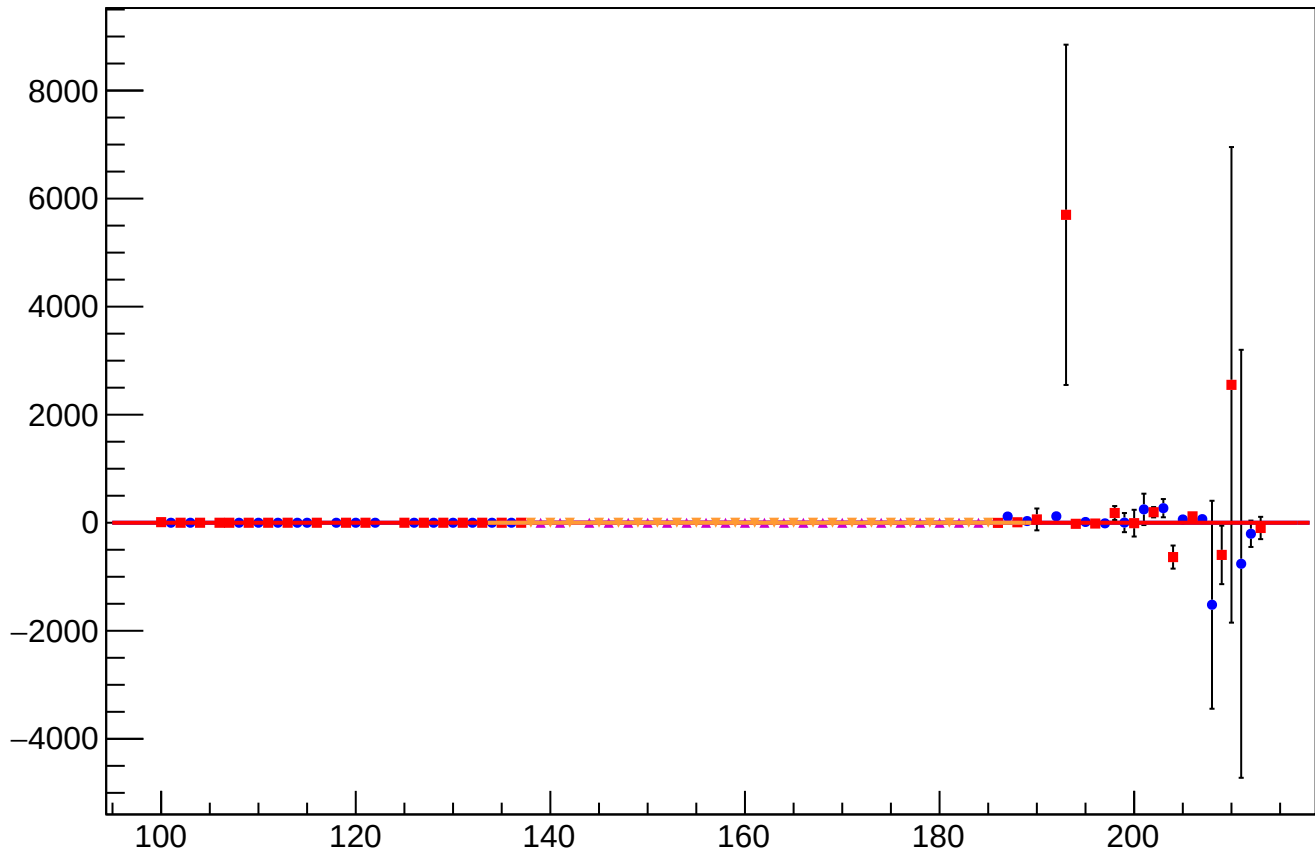
Left In: -0.010 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.037 ± 0.018 χ^2/NDF : 57.1/36

All: -0.024 ± 0.013 χ^2/NDF : 113.7/73

- sign -0.010 ± 0.018 χ^2/NDF : 55.5/36

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013+/-0.023 χ^2/NDF : 24.9/28

Left Out: -0.073+/-0.014 χ^2/NDF : 27.8/23

Right Out: -0.088+/-0.025 χ^2/NDF : 36.6/31

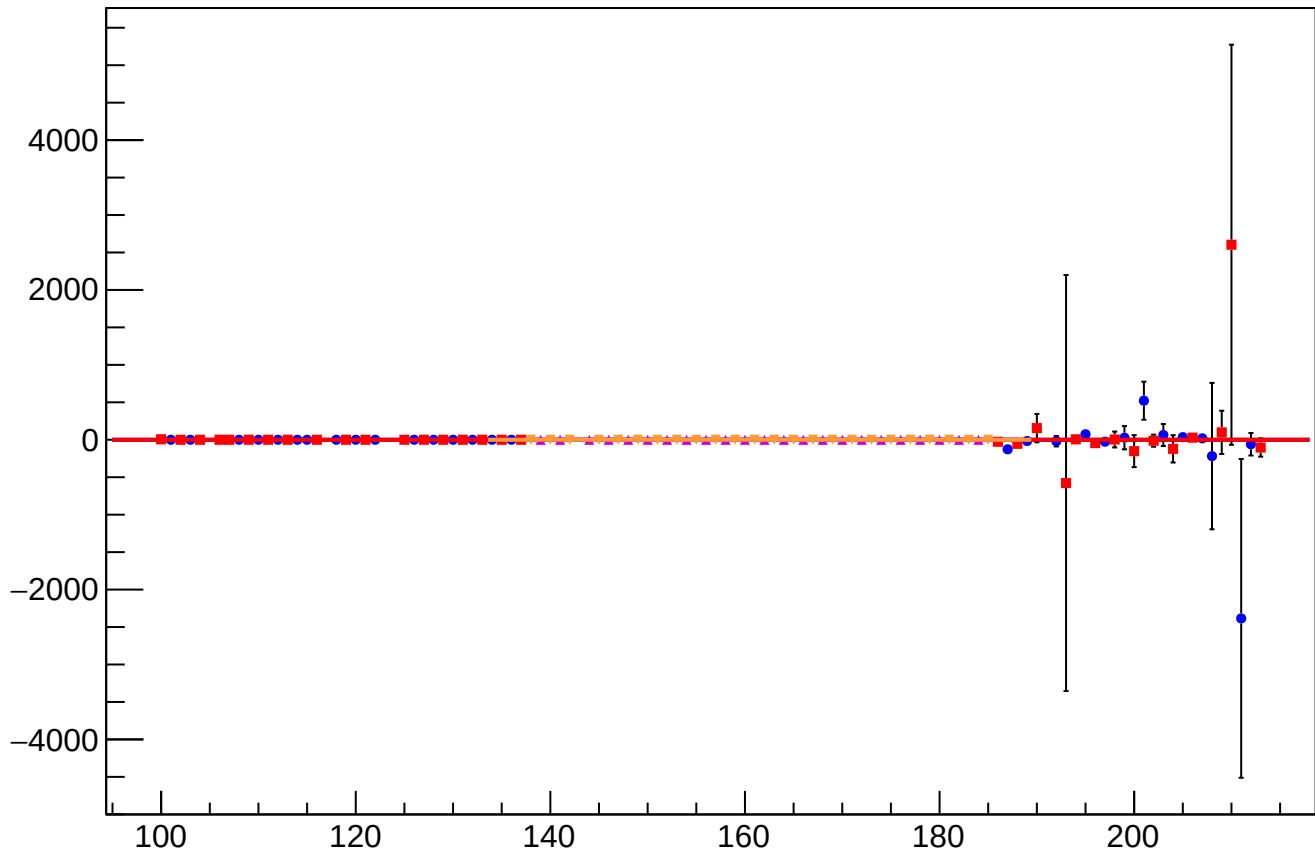
Left In: -0.064+/-0.014 χ^2/NDF : 41.1/22

+ sign -0.057+/-0.012 χ^2/NDF : 57.4/52

All: -0.063+/-0.009 χ^2/NDF : 136.2/107

- sign -0.070+/-0.012 χ^2/NDF : 78.3/54

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 31.6/28

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 32.5/31

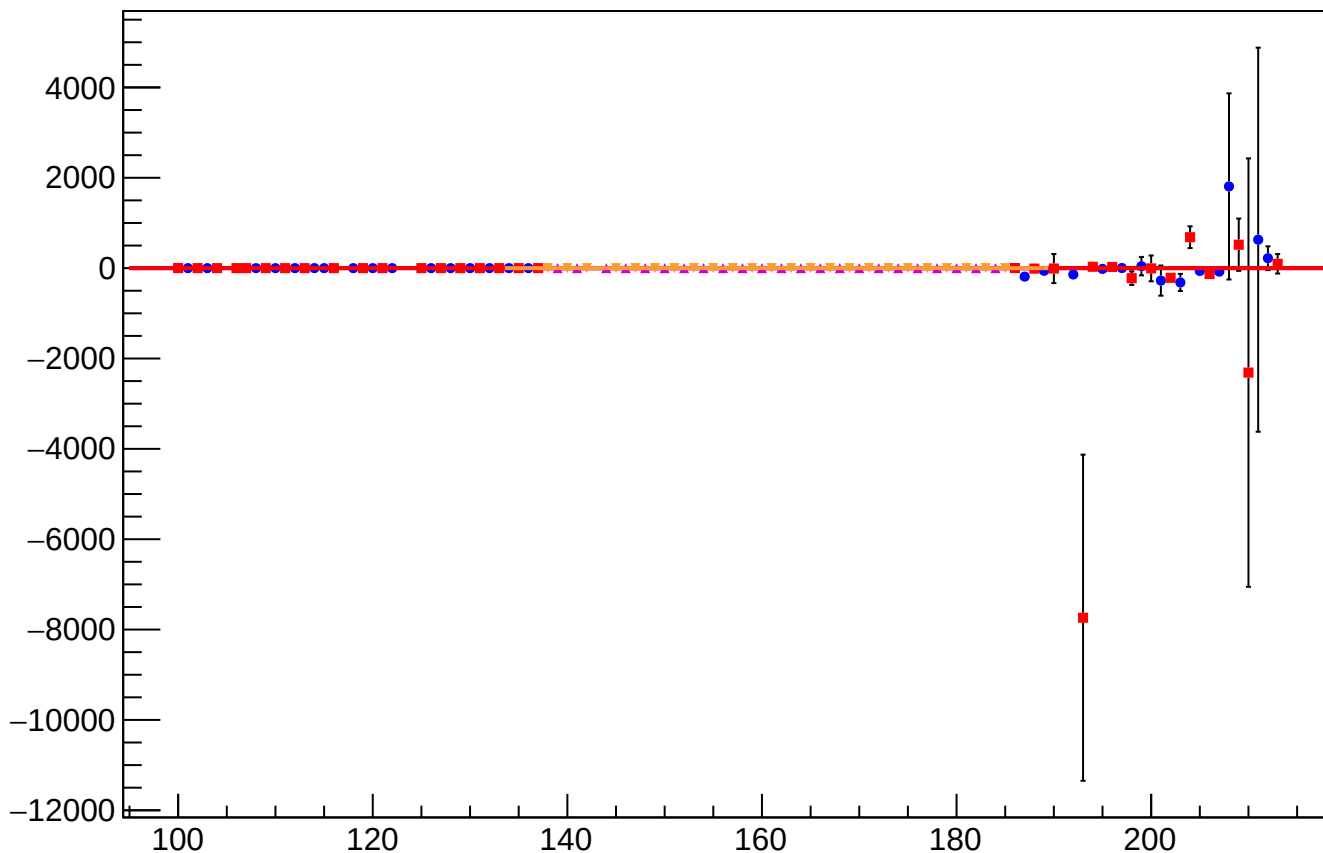
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 64.0/52

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 136.2/107

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 70.0/54

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 26.2/28

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 32.0/31

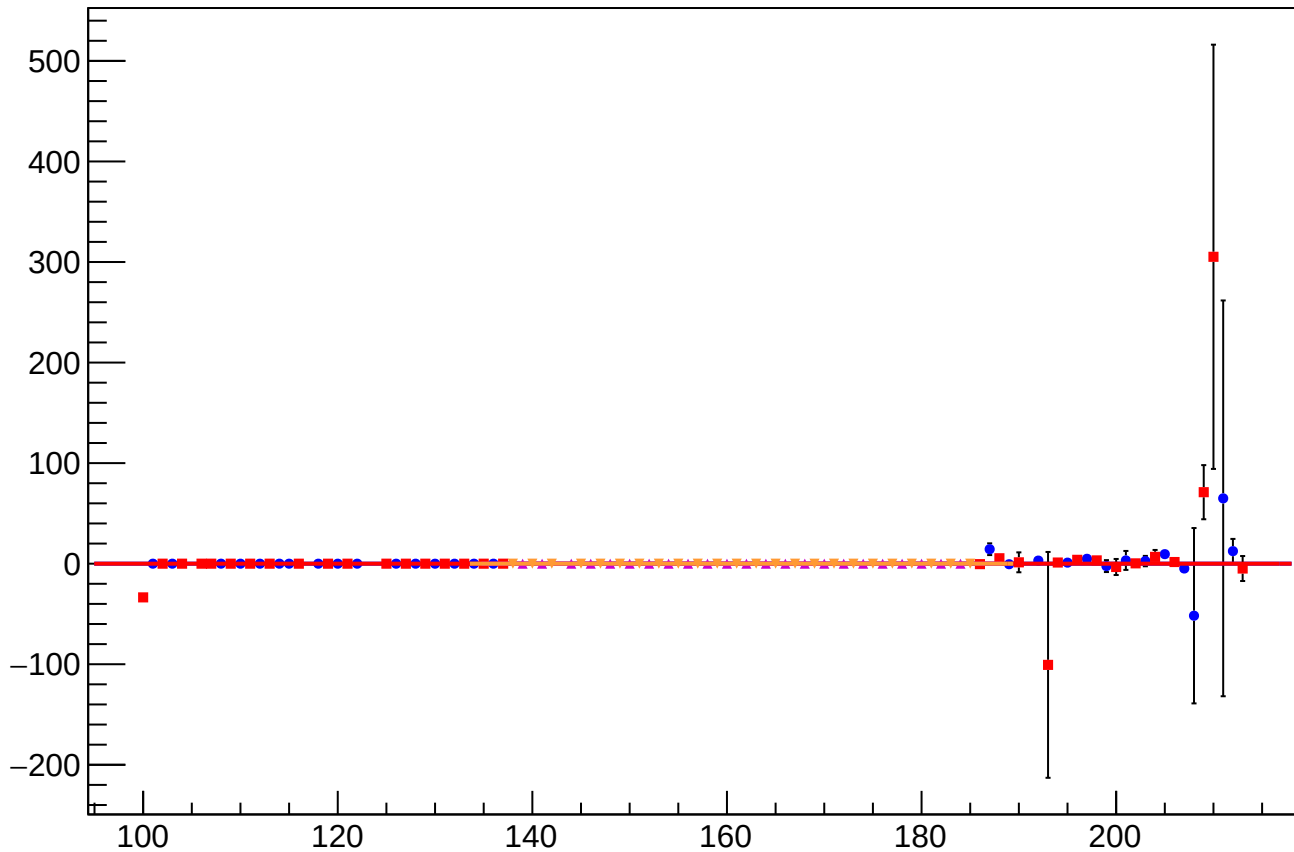
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 60.0/52

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 138.3/107

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 78.0/54

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 47.8/28

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26530.8/31

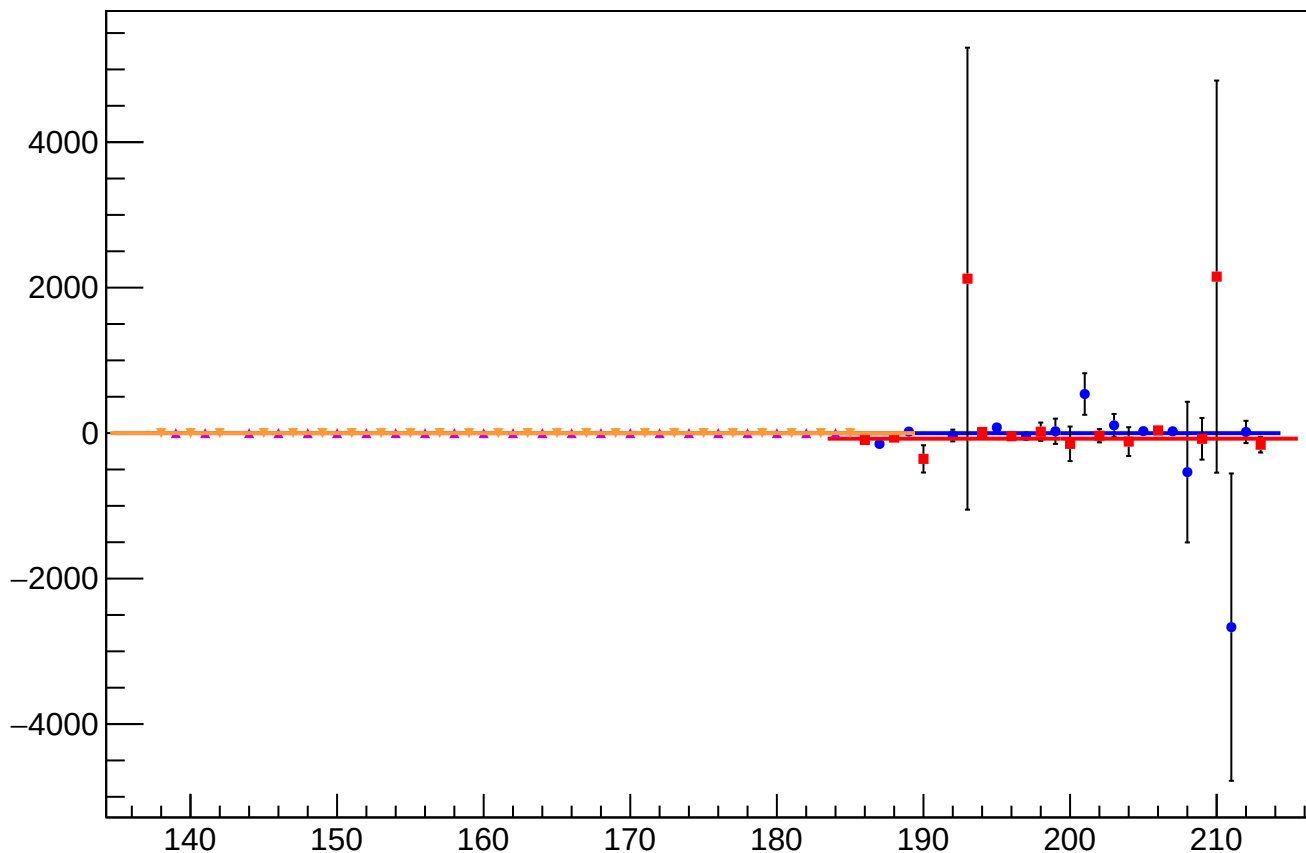
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.2/52

All: -0.001 ± 0.000 χ^2/NDF : 26651.3/107

- sign -0.001 ± 0.001 χ^2/NDF : 26567.0/54

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.189 ± 15.135 χ^2/NDF : 21.8/12

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -76.199 ± 9.635 χ^2/NDF : 16.6/13

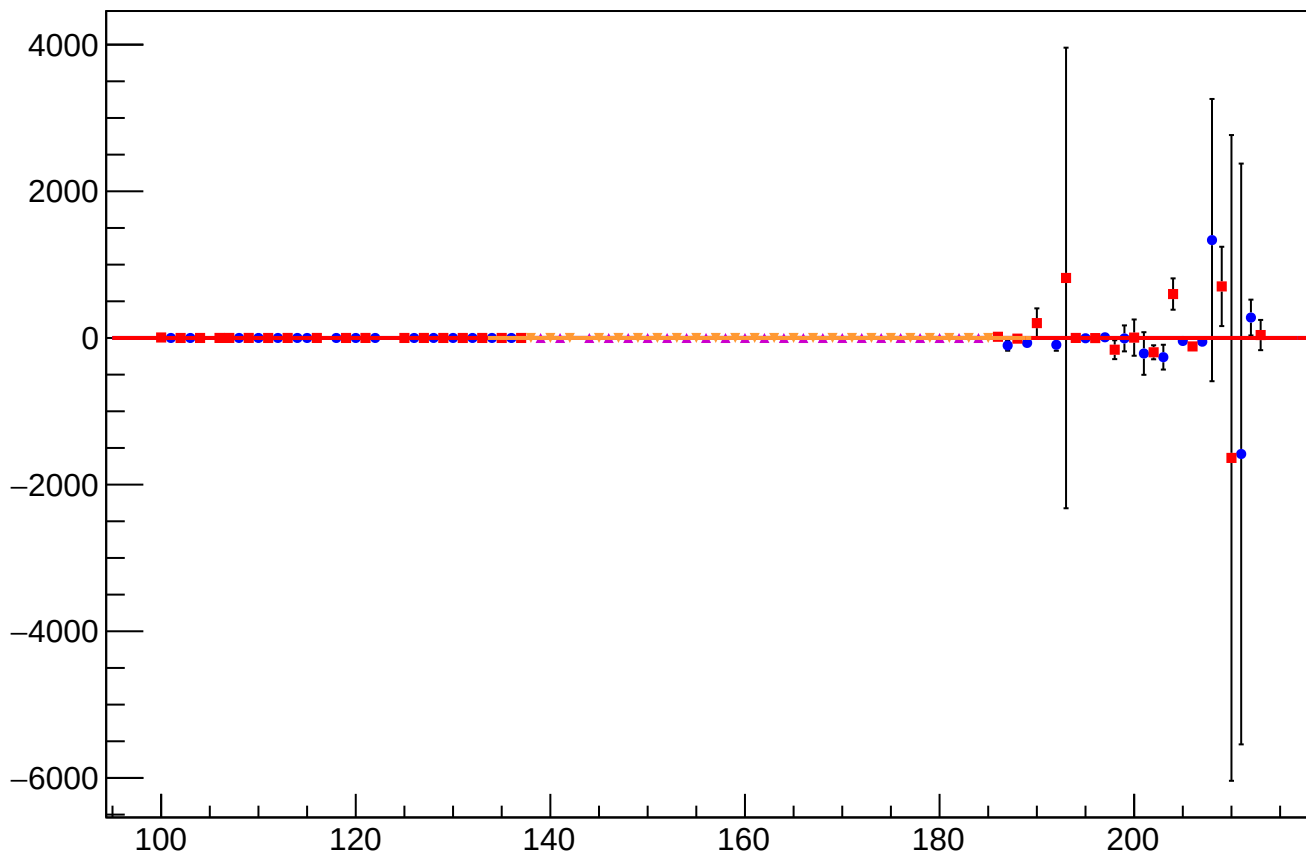
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 59.1/36

All: -0.031 ± 0.013 χ^2/NDF : 176.2/73

- sign -0.009 ± 0.018 χ^2/NDF : 114.2/36

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 ± 0.023 χ^2/NDF : 39.2/28

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 49.6/31

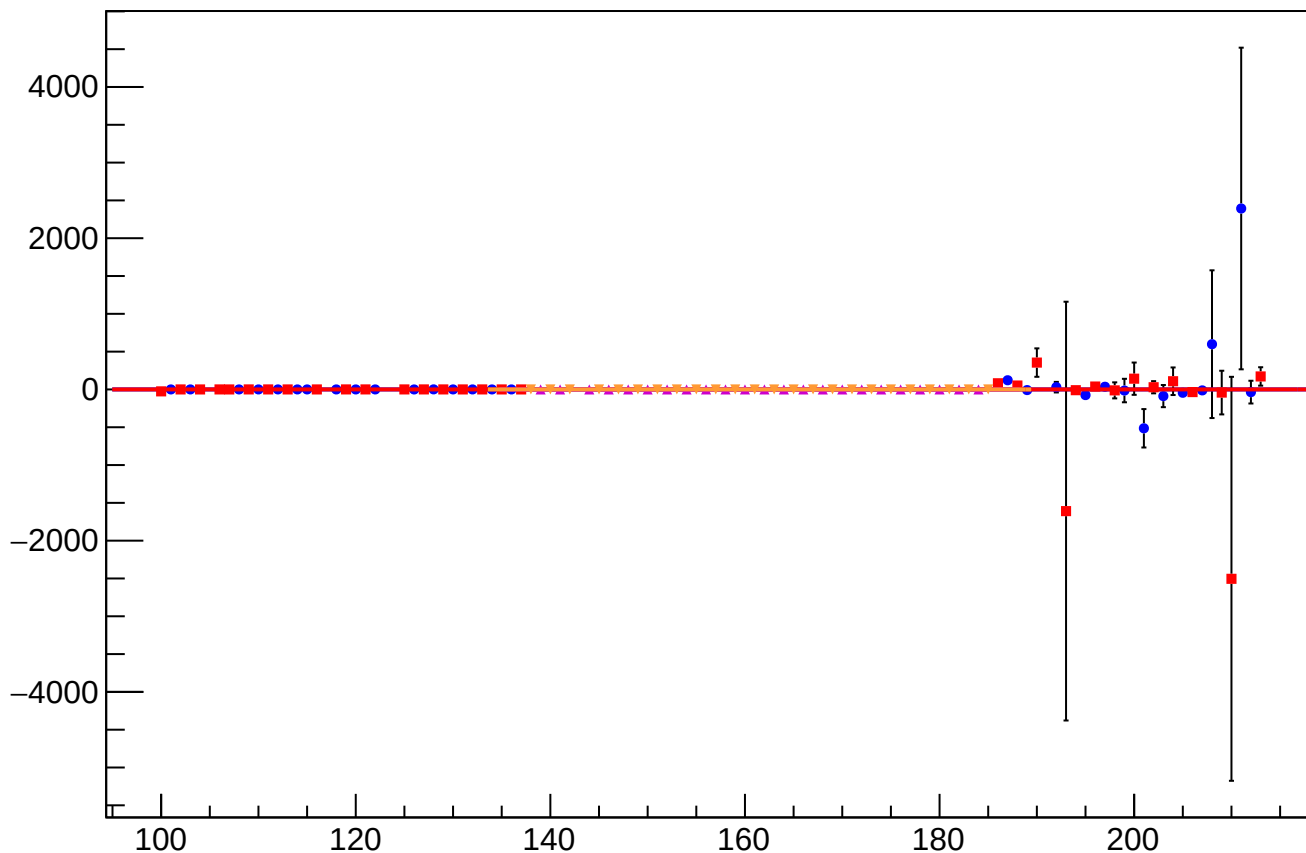
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 69.2/52

All: 0.003 ± 0.009 χ^2/NDF : 170.8/107

- sign 0.013 ± 0.012 χ^2/NDF : 100.4/54

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 51.9/28

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 111.5/31

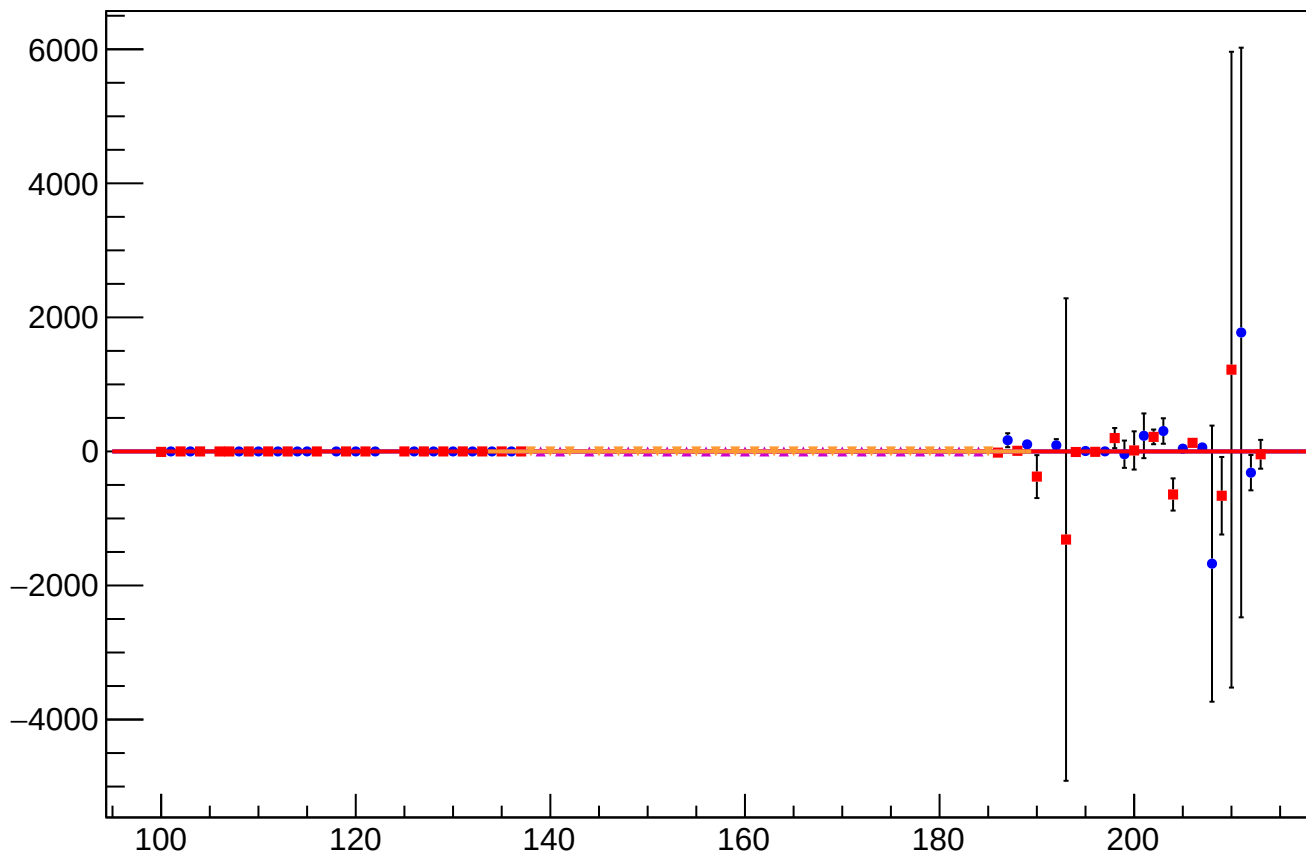
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 92.7/52

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 254.1/107

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 160.7/54

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 39.1/28

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 46.1/31

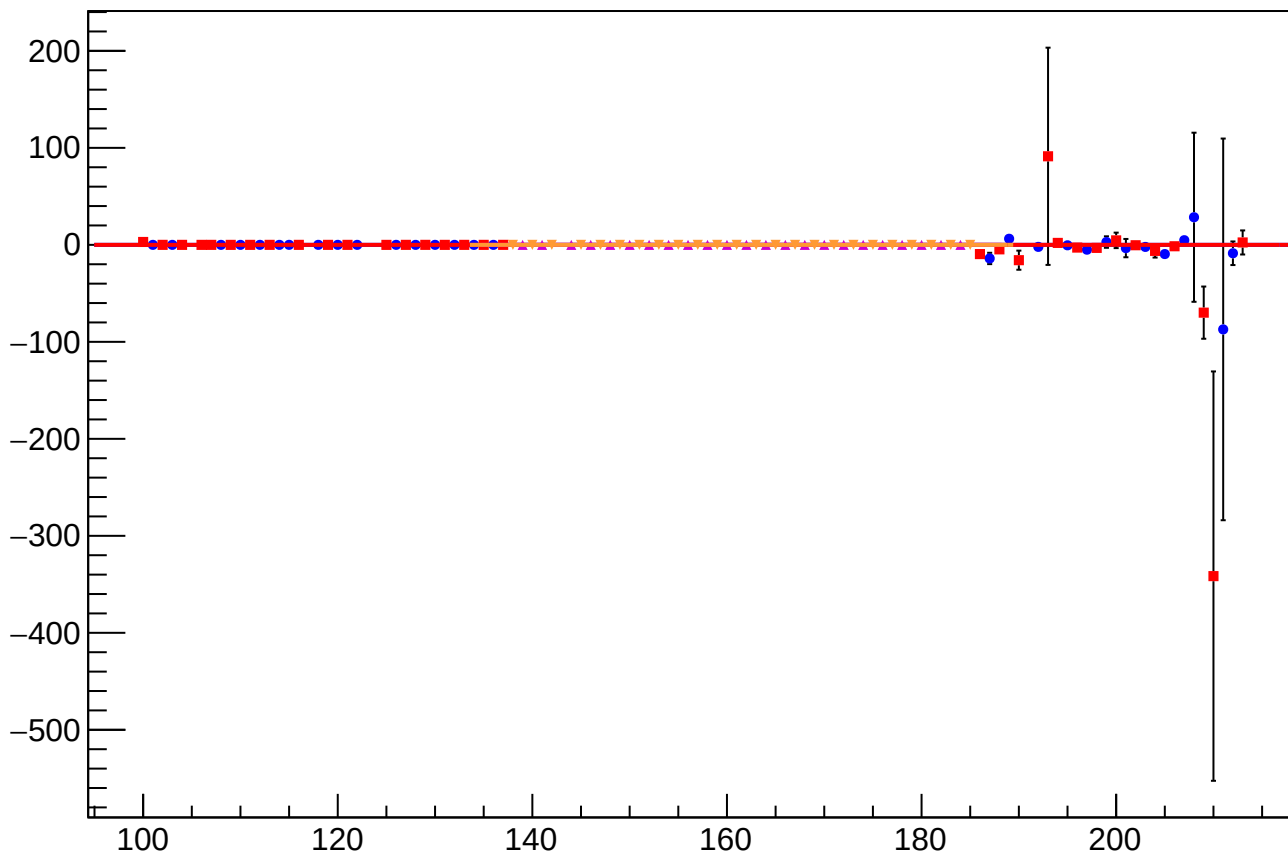
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 73.4/52

All: 0.004 ± 0.010 χ^2/NDF : 173.2/107

- sign -0.007 ± 0.014 χ^2/NDF : 98.7/54

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 58.4/28

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 224.3/31

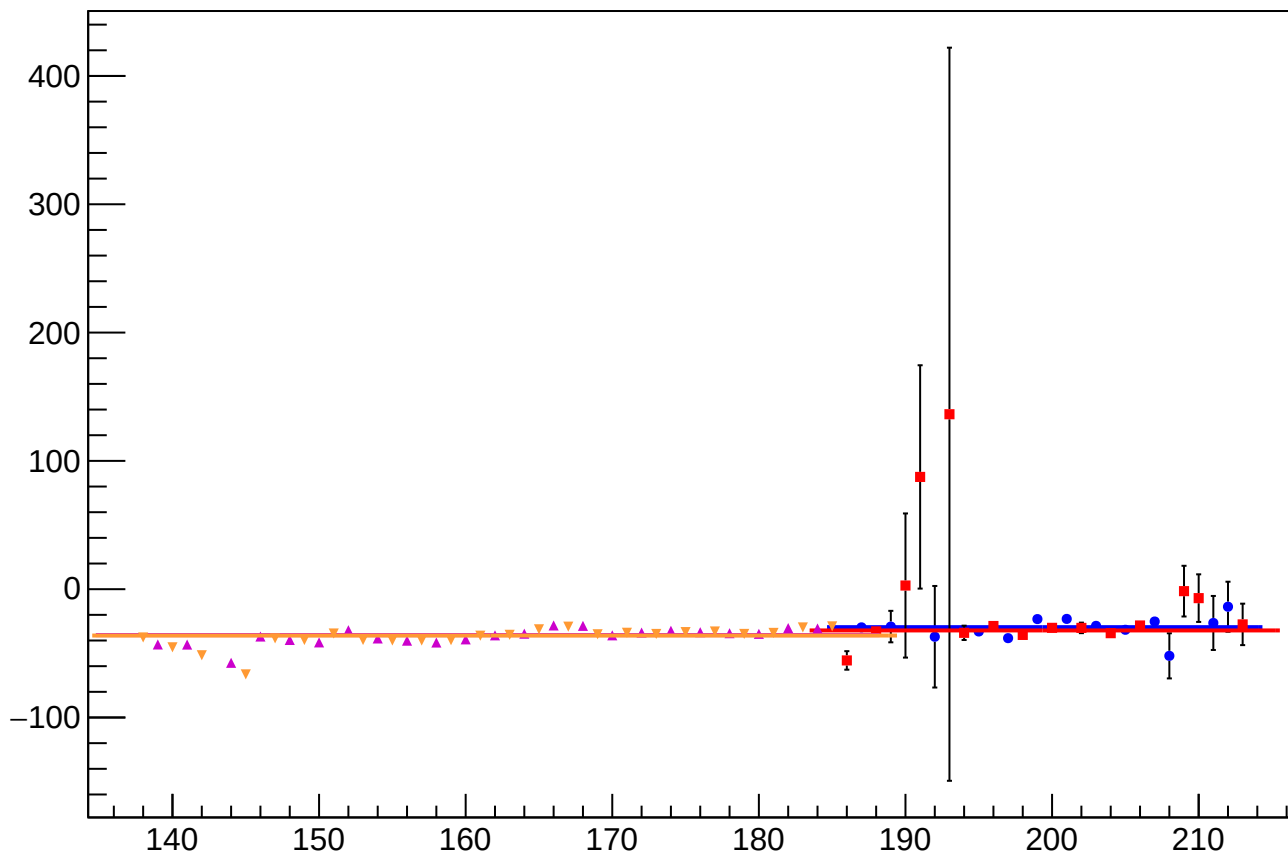
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 92.1/52

All: -0.008 ± 0.000 χ^2/NDF : 356.7/107

- sign -0.008 ± 0.001 χ^2/NDF : 264.5/54

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.593 ± 0.857 $\chi^2/\text{NDF}: 26.4/12$

Left Out: -36.120 ± 0.192 $\chi^2/\text{NDF}: 1114.9/23$

Right Out: -32.143 ± 0.806 $\chi^2/\text{NDF}: 25.1/14$

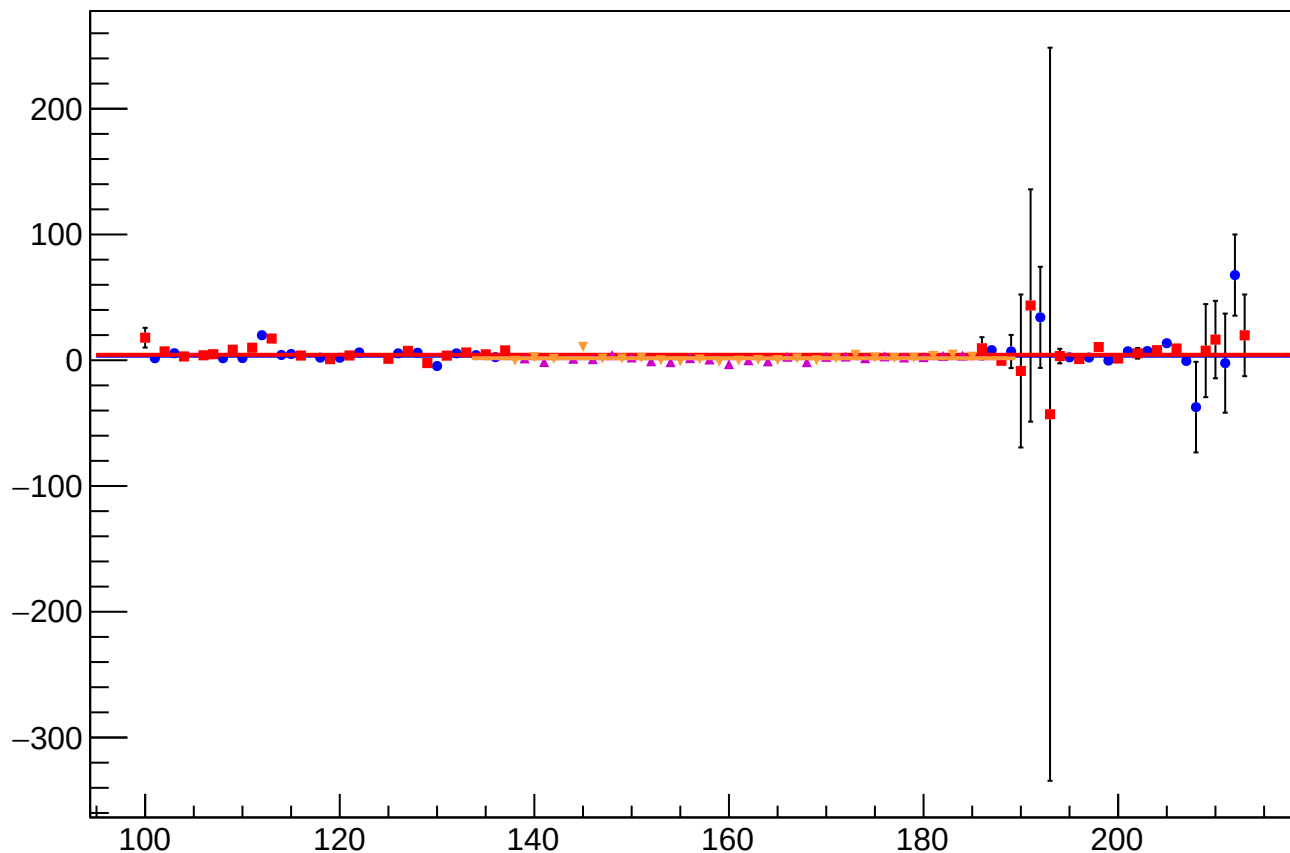
Left In: -35.779 ± 0.191 $\chi^2/\text{NDF}: 854.1/22$

+ sign -35.808 ± 0.187 $\chi^2/\text{NDF}: 1196.6/36$

All: -35.696 ± 0.132 $\chi^2/\text{NDF}: 2095.8/74$

- sign -35.585 ± 0.186 $\chi^2/\text{NDF}: 898.5/37$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.602 ± 0.217 χ^2/NDF : 462.1/28

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.350 ± 0.221 χ^2/NDF : 369.4/32

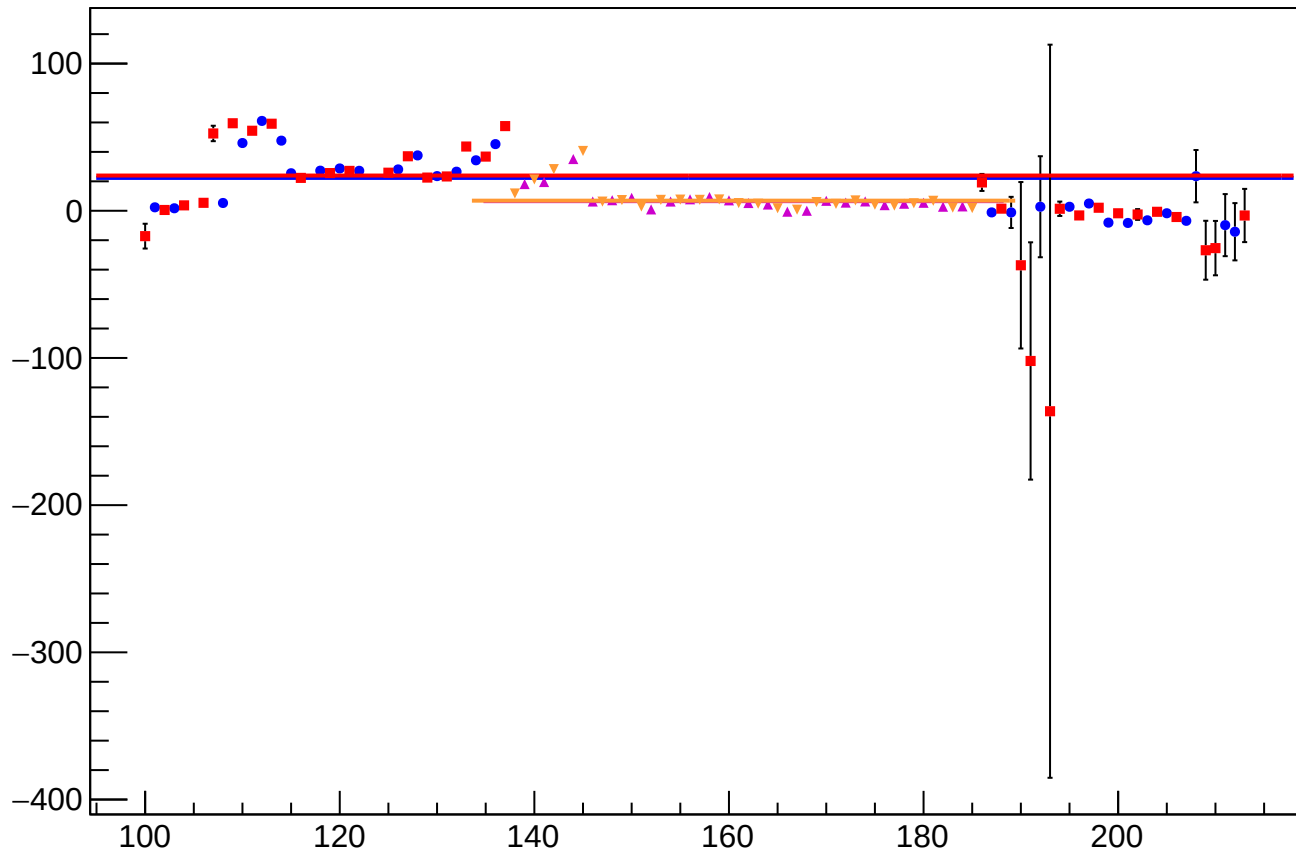
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.259 ± 0.122 χ^2/NDF : 685.0/52

All: 2.375 ± 0.087 χ^2/NDF : 1322.7/108

- sign 2.494 ± 0.124 χ^2/NDF : 635.9/55

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.325 $\pm$ 0.370 χ^2 /NDF: 2812.0/28

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 23.935 $\pm$ 0.362 χ^2 /NDF: 3299.5/32

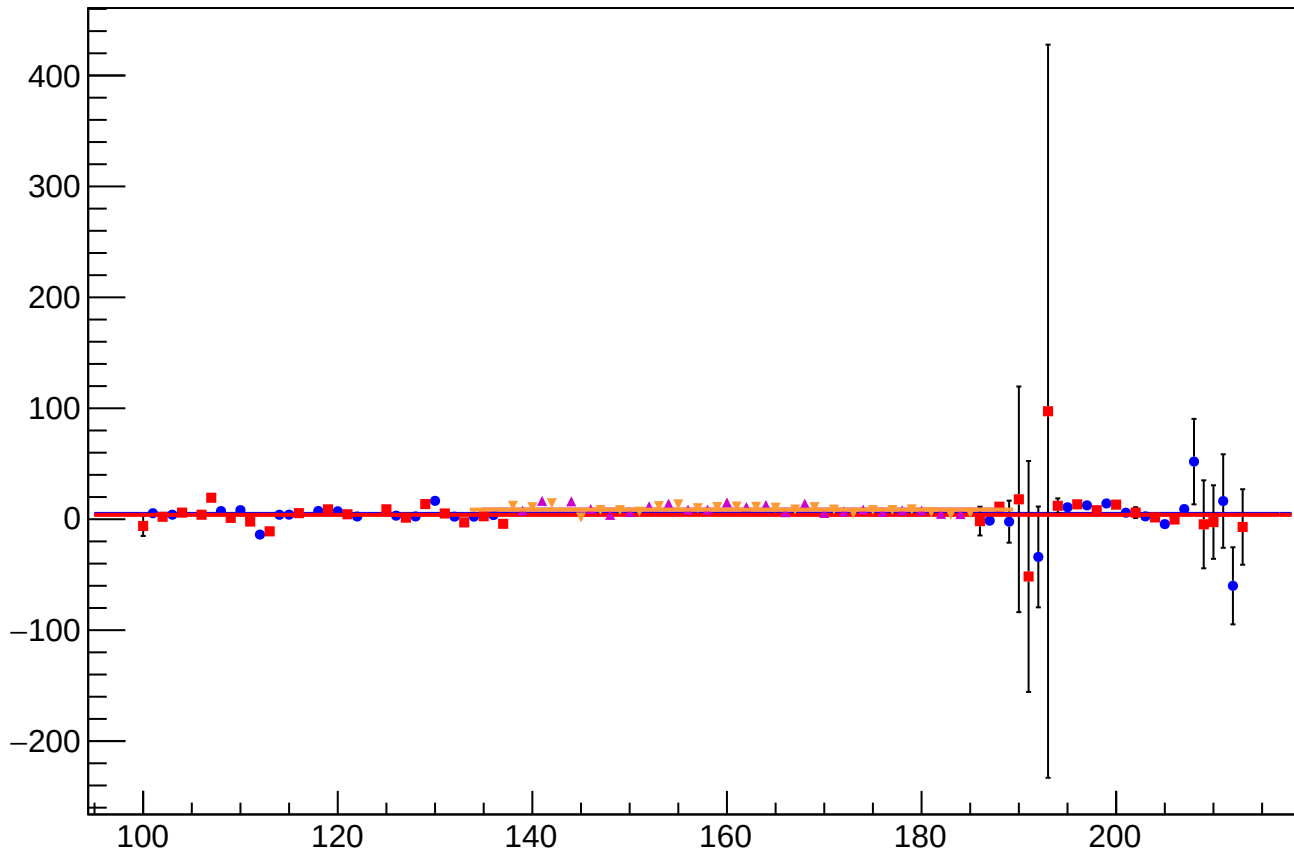
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.131 $\pm$ 0.170 χ^2 /NDF: 5485.7/52

All: 10.222 $\pm$ 0.120 χ^2 /NDF: 11623.1/108

- sign 10.312 $\pm$ 0.168 χ^2 /NDF: 6136.8/55

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.804 ± 0.250 χ^2/NDF : 576.3/28

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.936 ± 0.254 χ^2/NDF : 589.3/32

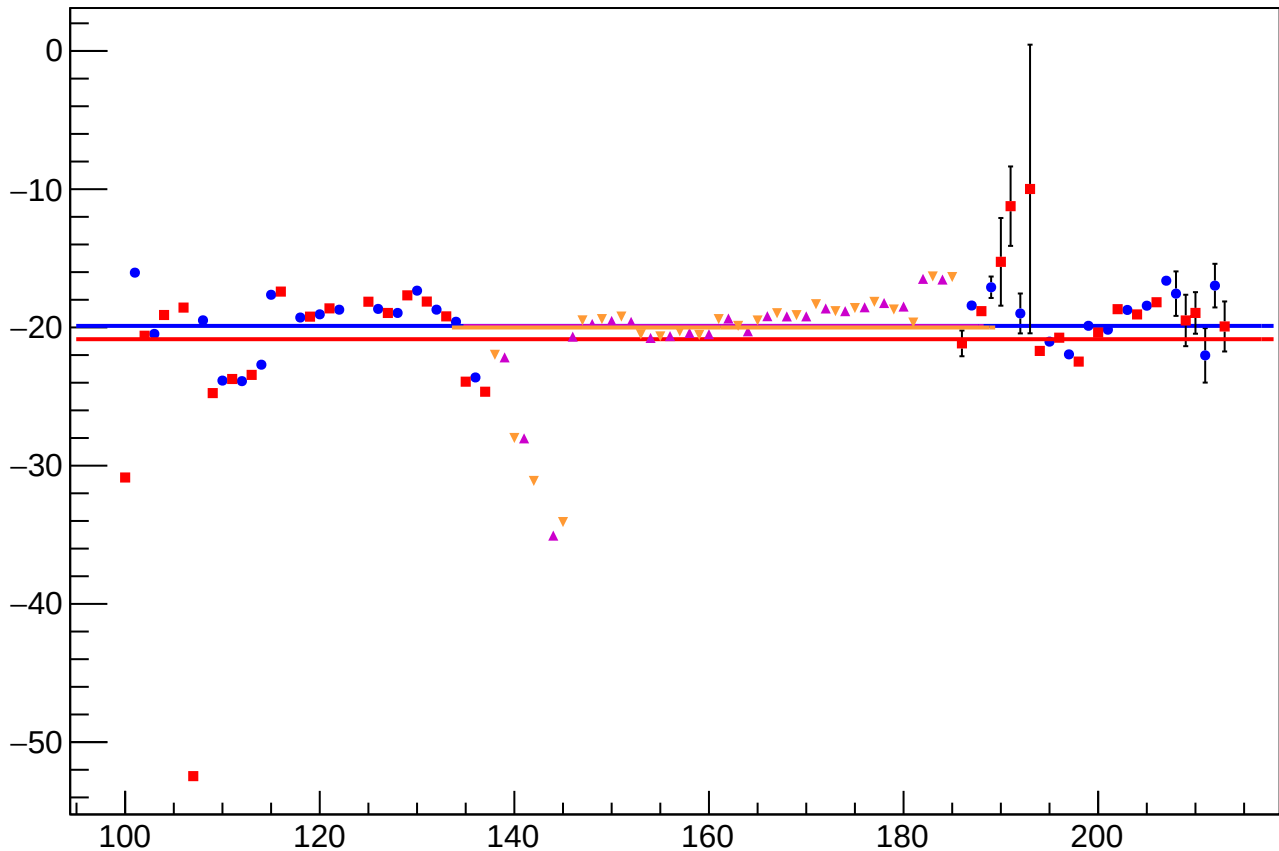
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.475 ± 0.140 χ^2/NDF : 983.4/52

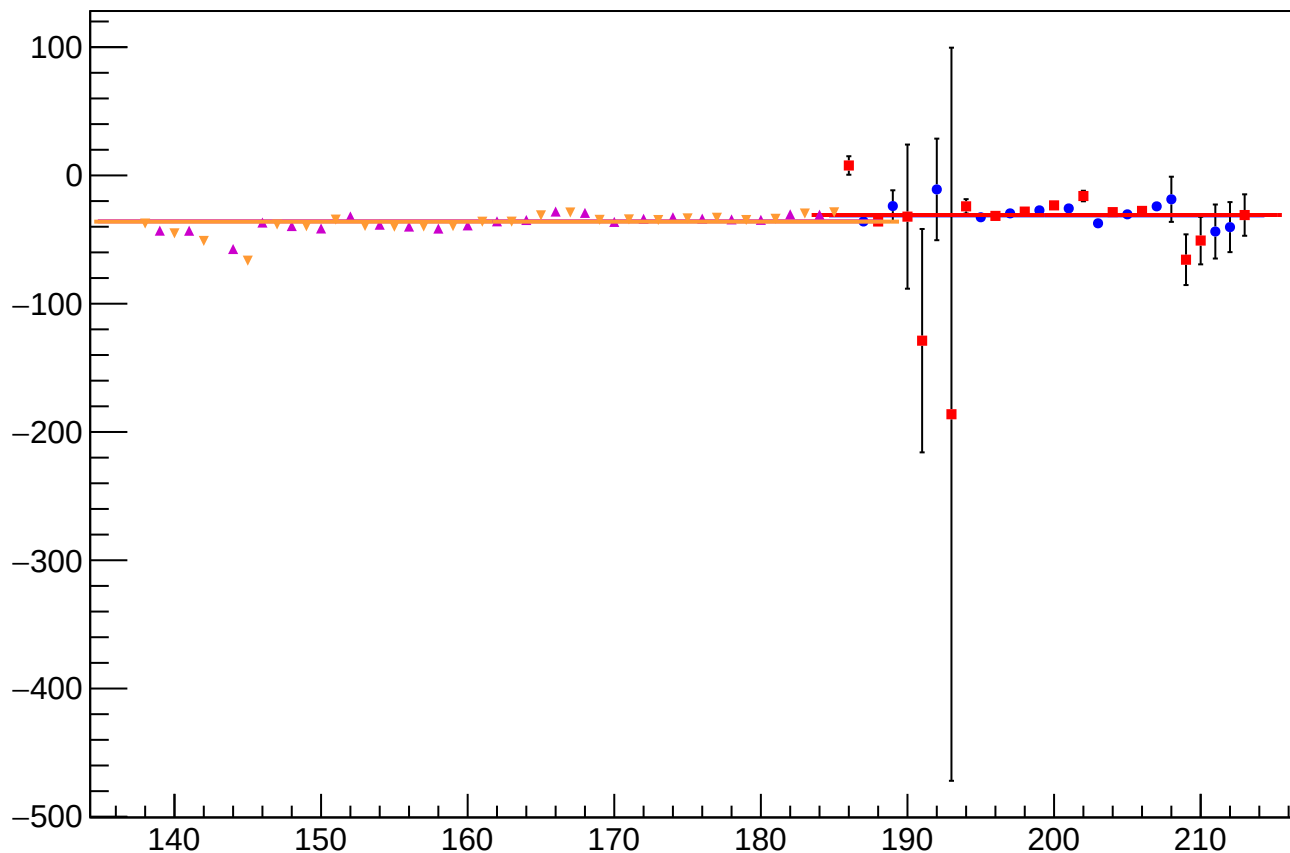
All: 7.341 ± 0.099 χ^2/NDF : 2250.5/108

- sign 7.205 ± 0.141 χ^2/NDF : 1265.2/55

reg_asym_left_avg_diff_bpm12X_slope vs Slug



reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.129 ± 0.859 χ^2/NDF : 28.6/12

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -30.852 ± 0.808 χ^2/NDF : 76.2/14

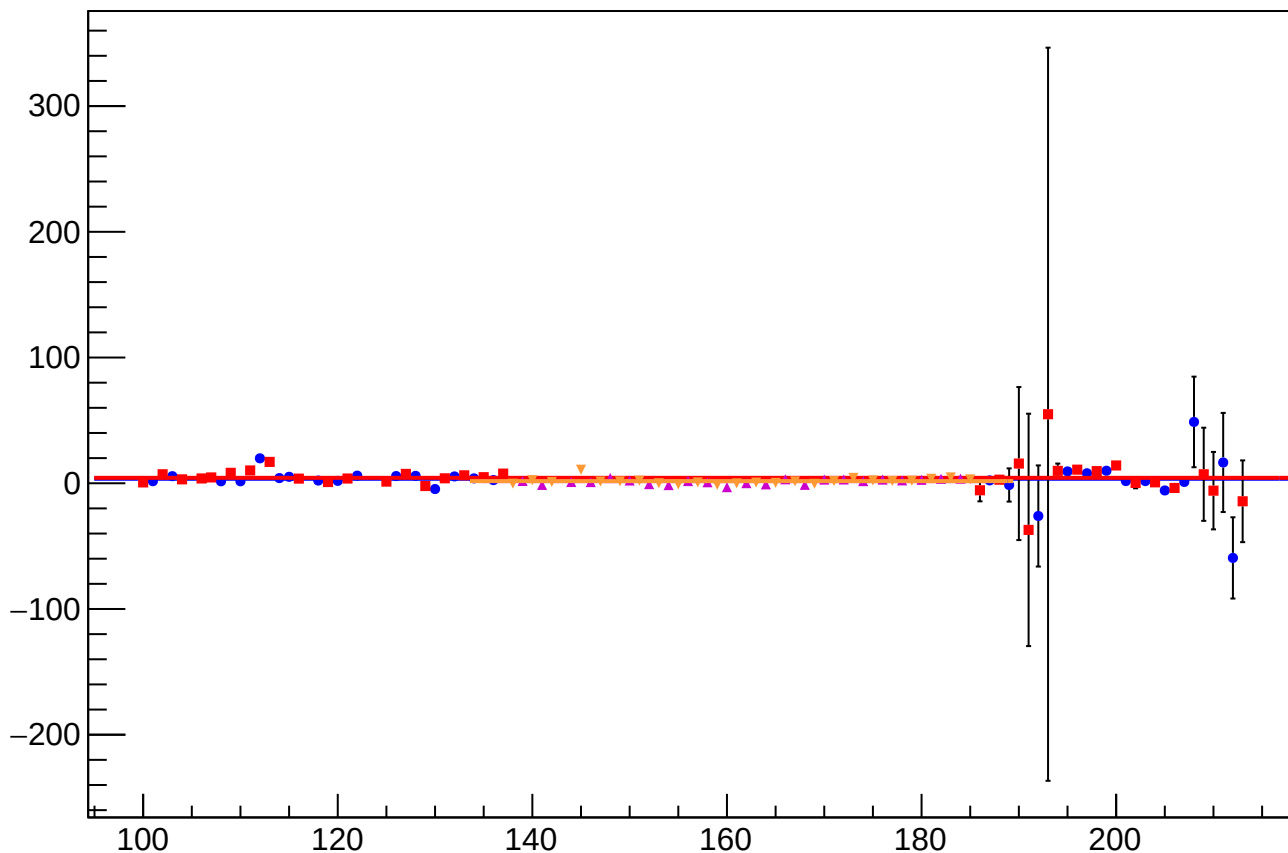
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.798 ± 0.187 χ^2/NDF : 1180.9/36

All: -35.651 ± 0.132 χ^2/NDF : 2135.9/74

- sign -35.506 ± 0.186 χ^2/NDF : 953.8/37

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.567 ± 0.217 χ^2/NDF : 461.5/28

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.320 ± 0.217 χ^2/NDF : 378.7/32

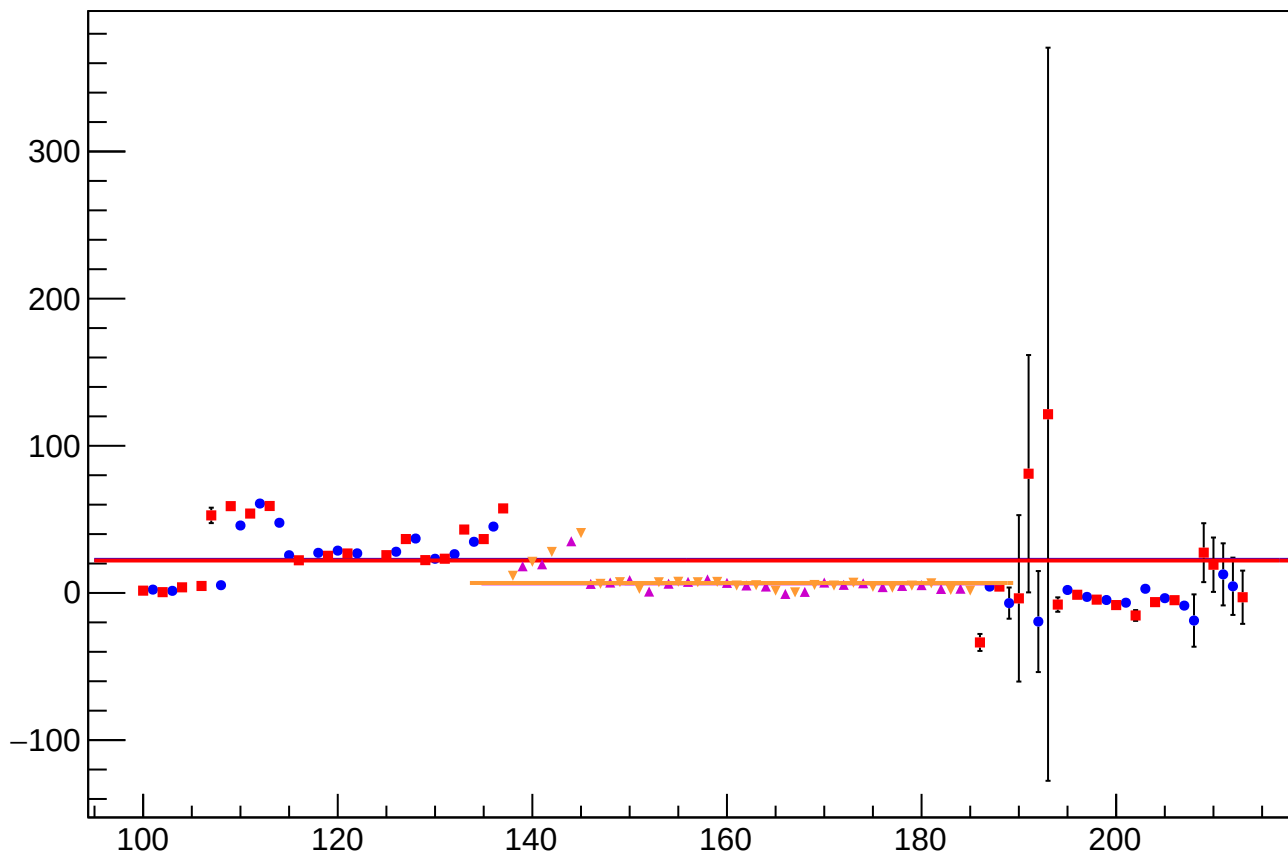
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.309 ± 0.122 χ^2/NDF : 679.1/52

All: 2.426 ± 0.087 χ^2/NDF : 1321.1/108

- sign 2.546 ± 0.123 χ^2/NDF : 640.2/55

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.483 $\pm$ 0.370 χ^2 /NDF: 2700.7/28

Left Out: 6.779 $\pm$ 0.191 χ^2 /NDF: 1297.7/23

Right Out: 22.054 $\pm$ 0.349 χ^2 /NDF: 3661.2/32

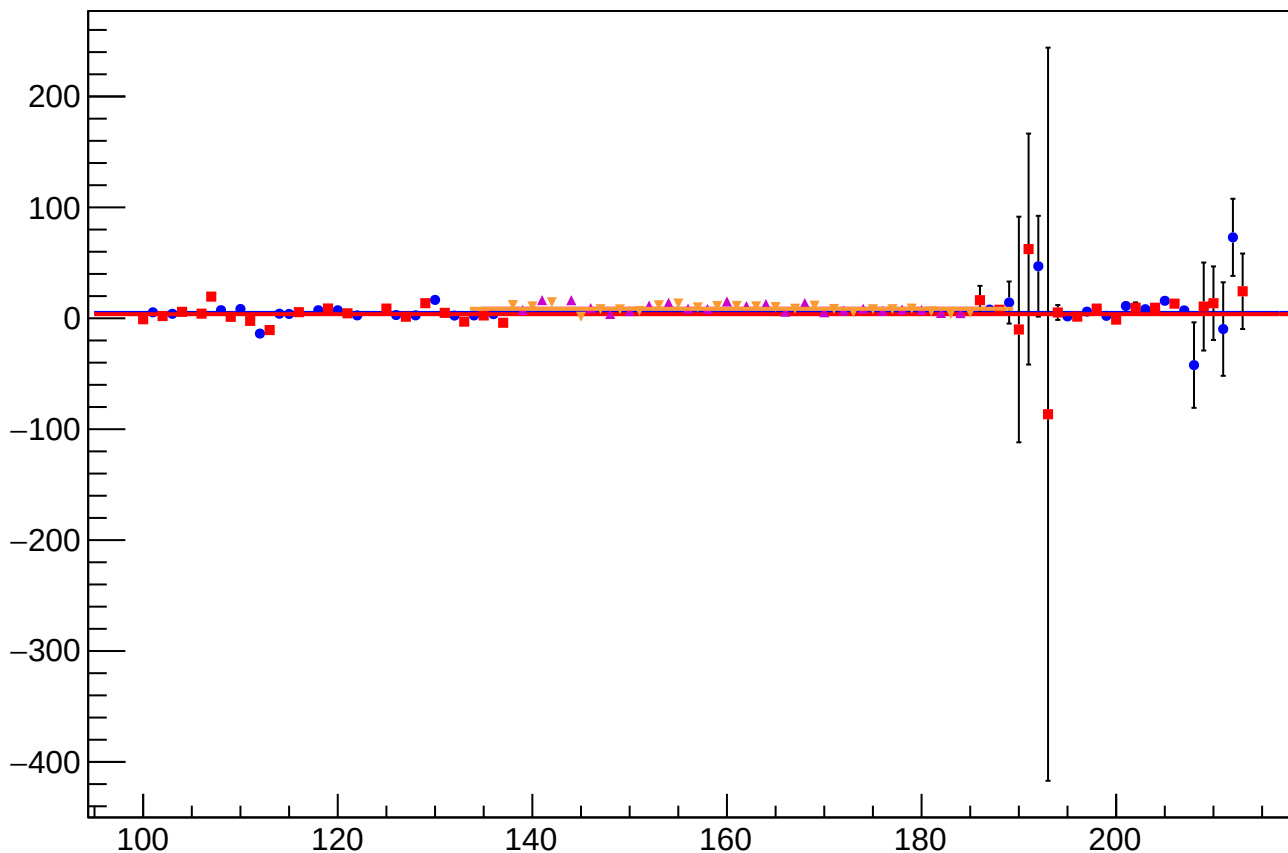
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.092 $\pm$ 0.170 χ^2 /NDF: 5420.5/52

All: 10.091 $\pm$ 0.119 χ^2 /NDF: 11625.4/108

- sign 10.091 $\pm$ 0.167 χ^2 /NDF: 6204.9/55

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.848 ± 0.250 χ^2/NDF : 564.4/28

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.699 ± 0.250 χ^2/NDF : 589.4/32

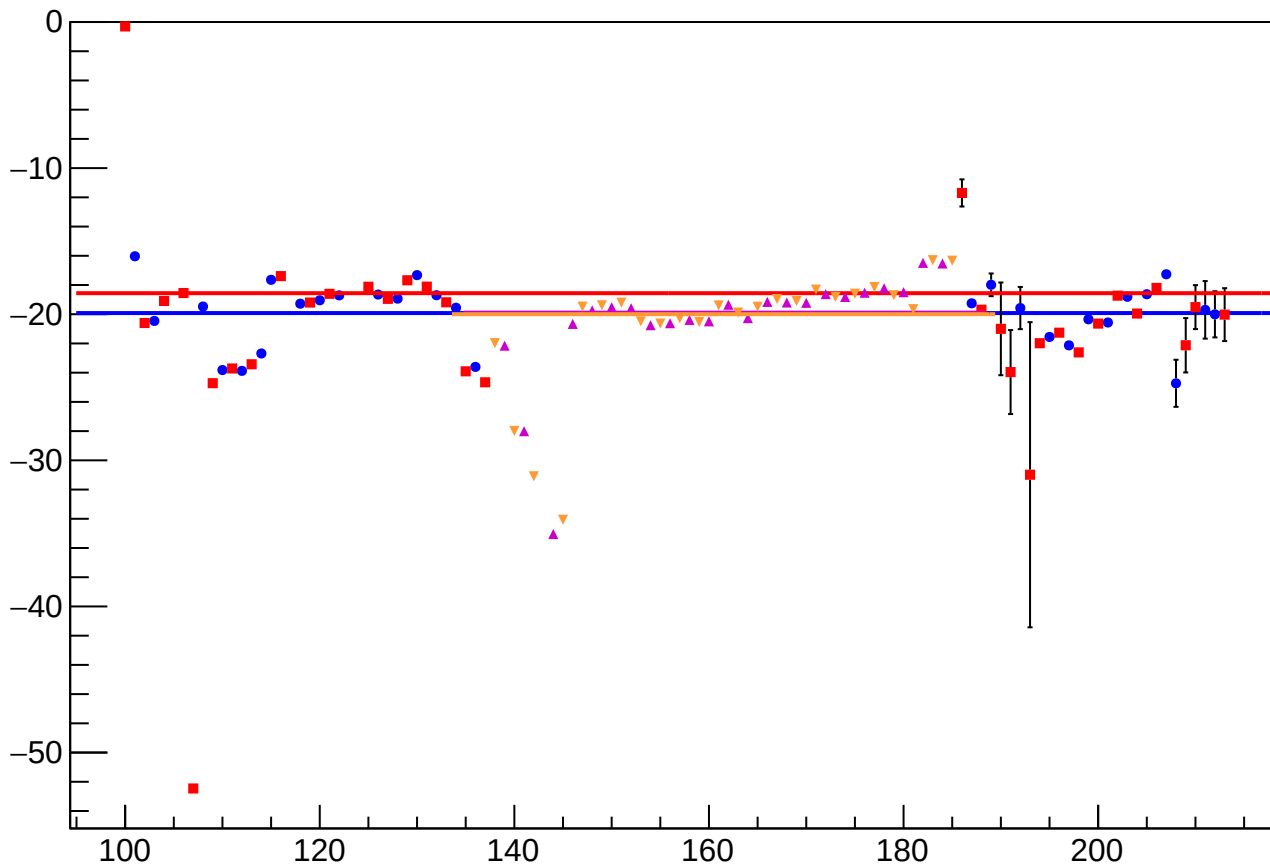
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.413 ± 0.140 χ^2/NDF : 963.4/52

All: 7.228 ± 0.099 χ^2/NDF : 2259.0/108

- sign 7.040 ± 0.141 χ^2/NDF : 1292.1/55

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.920 ± 0.015 $\chi^2/\text{NDF}: 27097.2/28$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.560 ± 0.014 $\chi^2/\text{NDF}: 303728.8/32$

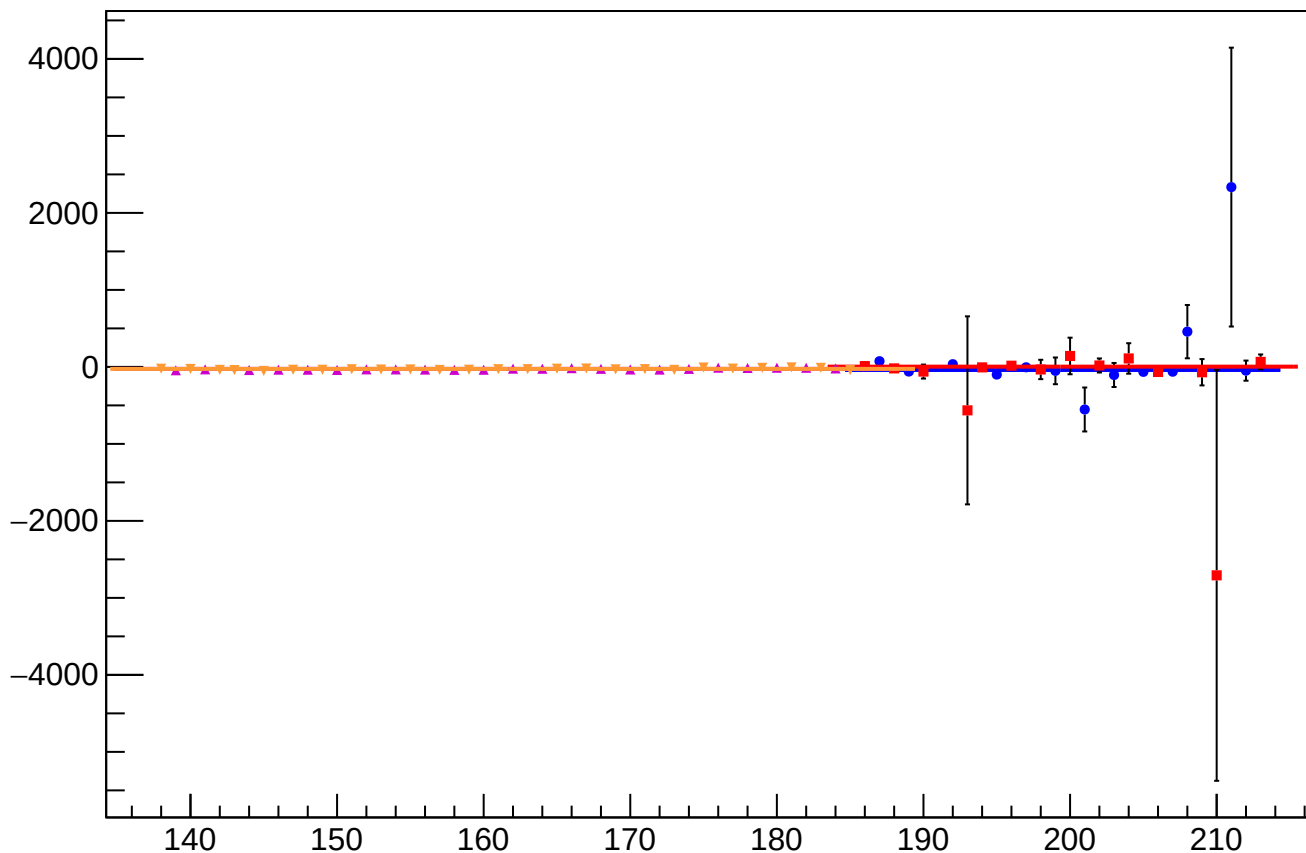
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.981 ± 0.007 $\chi^2/\text{NDF}: 199063.4/52$

All: -19.775 ± 0.005 $\chi^2/\text{NDF}: 655373.2/108$

- sign -19.576 ± 0.007 $\chi^2/\text{NDF}: 454593.6/55$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.962 ± 12.985 χ^2/NDF : 19.7/12

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 3.212 ± 8.082 χ^2/NDF : 7.2/13

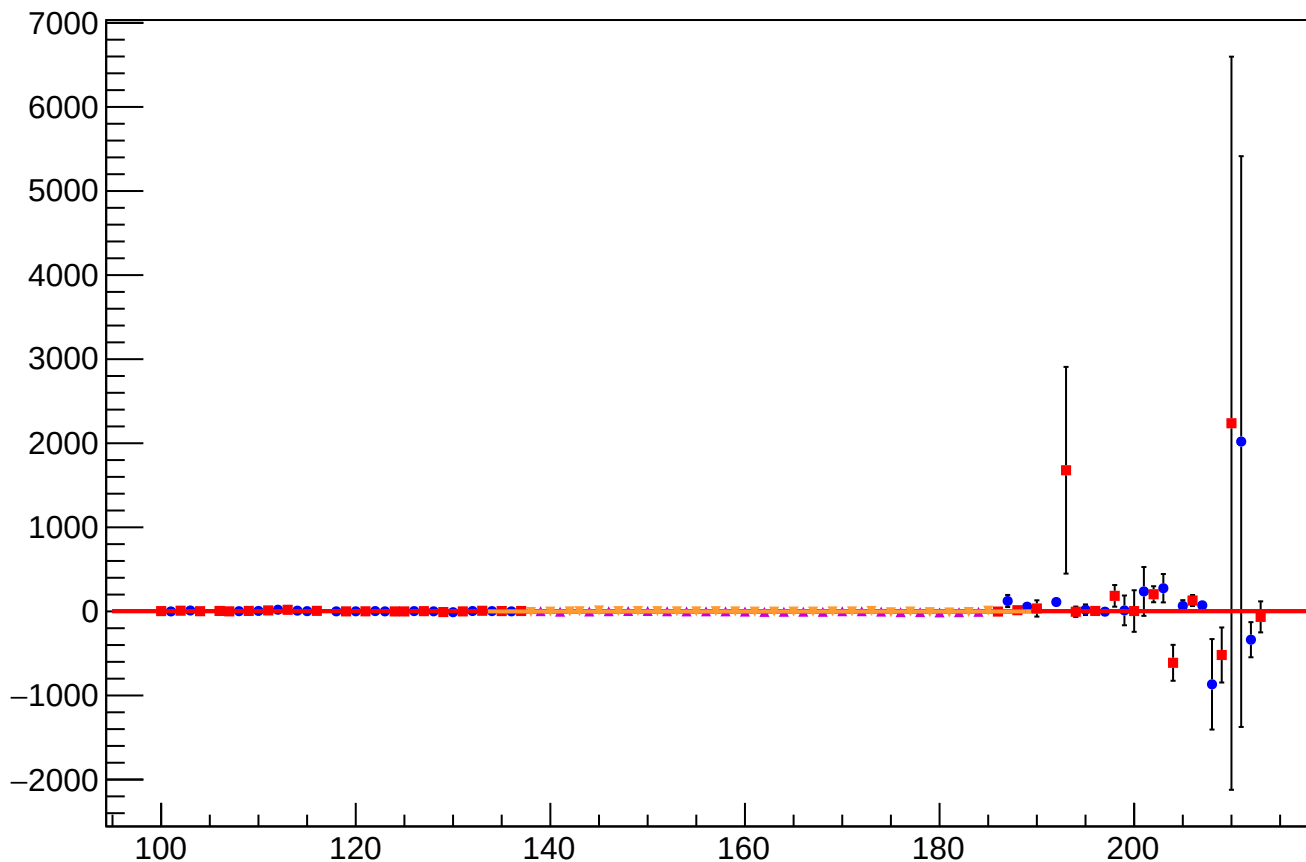
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.888 ± 0.192 χ^2/NDF : 4178.9/37

All: -25.960 ± 0.137 χ^2/NDF : 7479.0/74

- sign -26.035 ± 0.195 χ^2/NDF : 3299.8/36

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.476+/-0.315 χ^2/NDF : 319.2/29

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.715+/-0.327 χ^2/NDF : 292.7/32

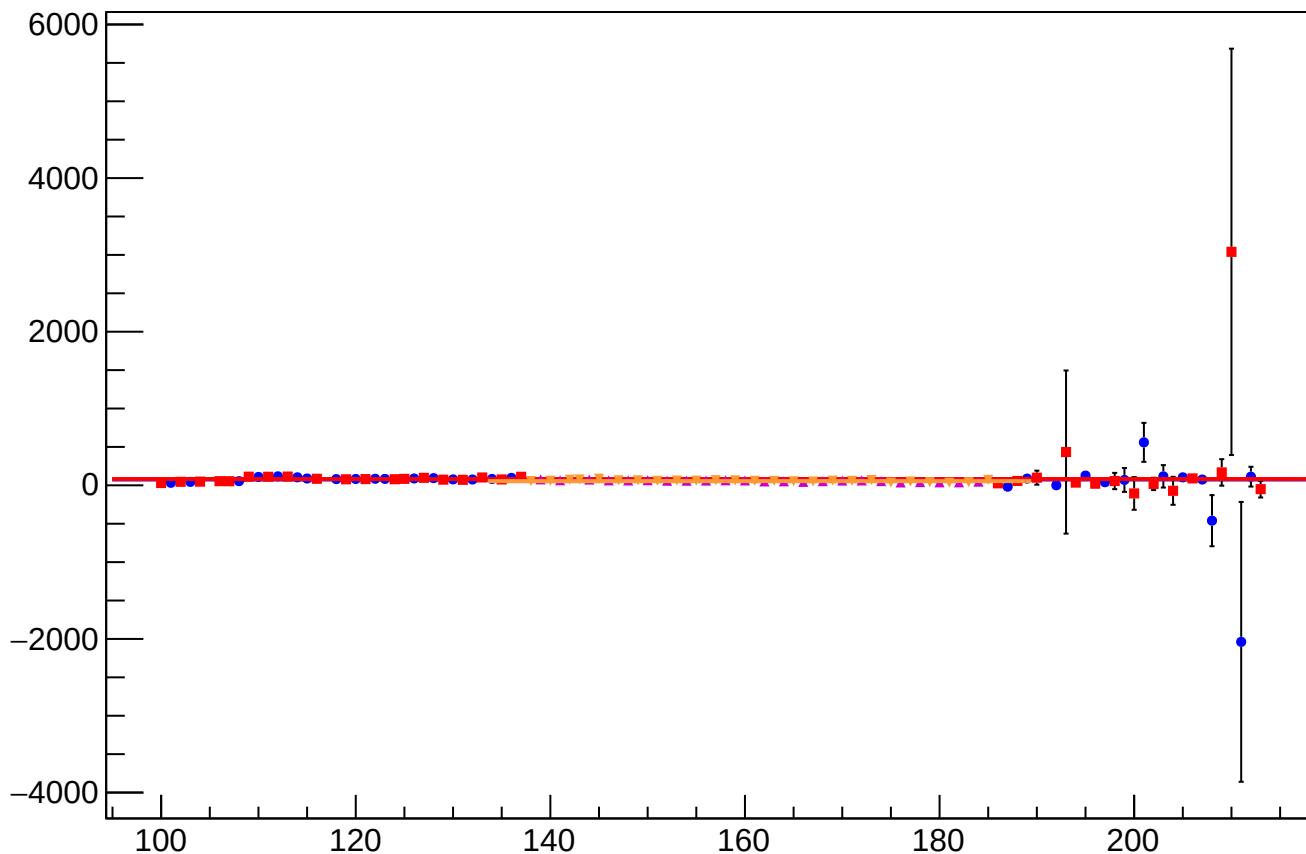
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1721.4/54

All: -0.081+/-0.095 χ^2/NDF : 3242.7/110

- sign -0.062+/-0.137 χ^2/NDF : 1521.3/55

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.532 $\pm$ 0.576 χ^2 /NDF: 2273.4/29

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.487 $\pm$ 0.590 χ^2 /NDF: 1635.6/32

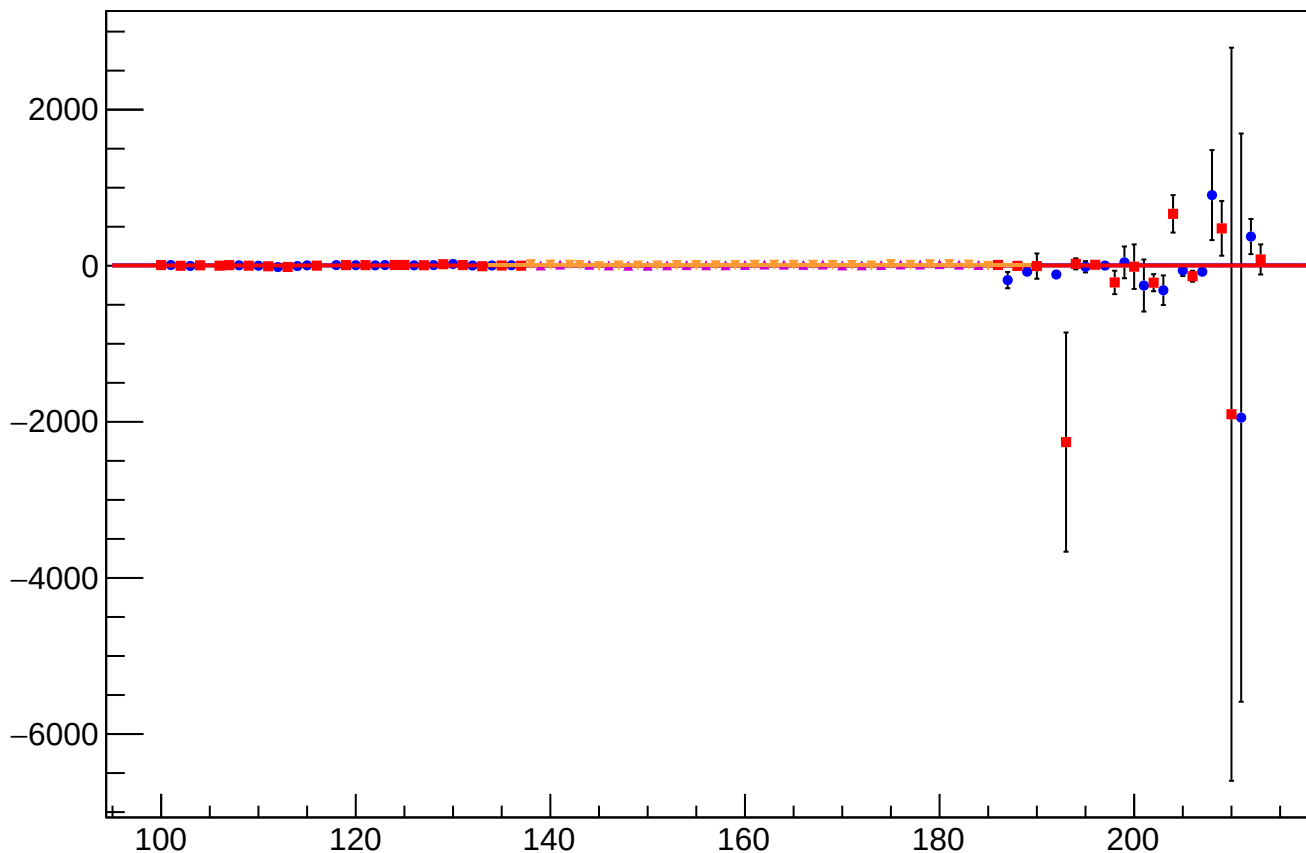
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8099.0/54

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15247.3/110

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7145.8/55

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.407 $\pm$ 0.361 χ^2 /NDF: 410.1/29

Left Out: 9.737 $\pm$ 0.168 χ^2 /NDF: 1450.2/24

Right Out: 3.580 $\pm$ 0.375 χ^2 /NDF: 444.3/32

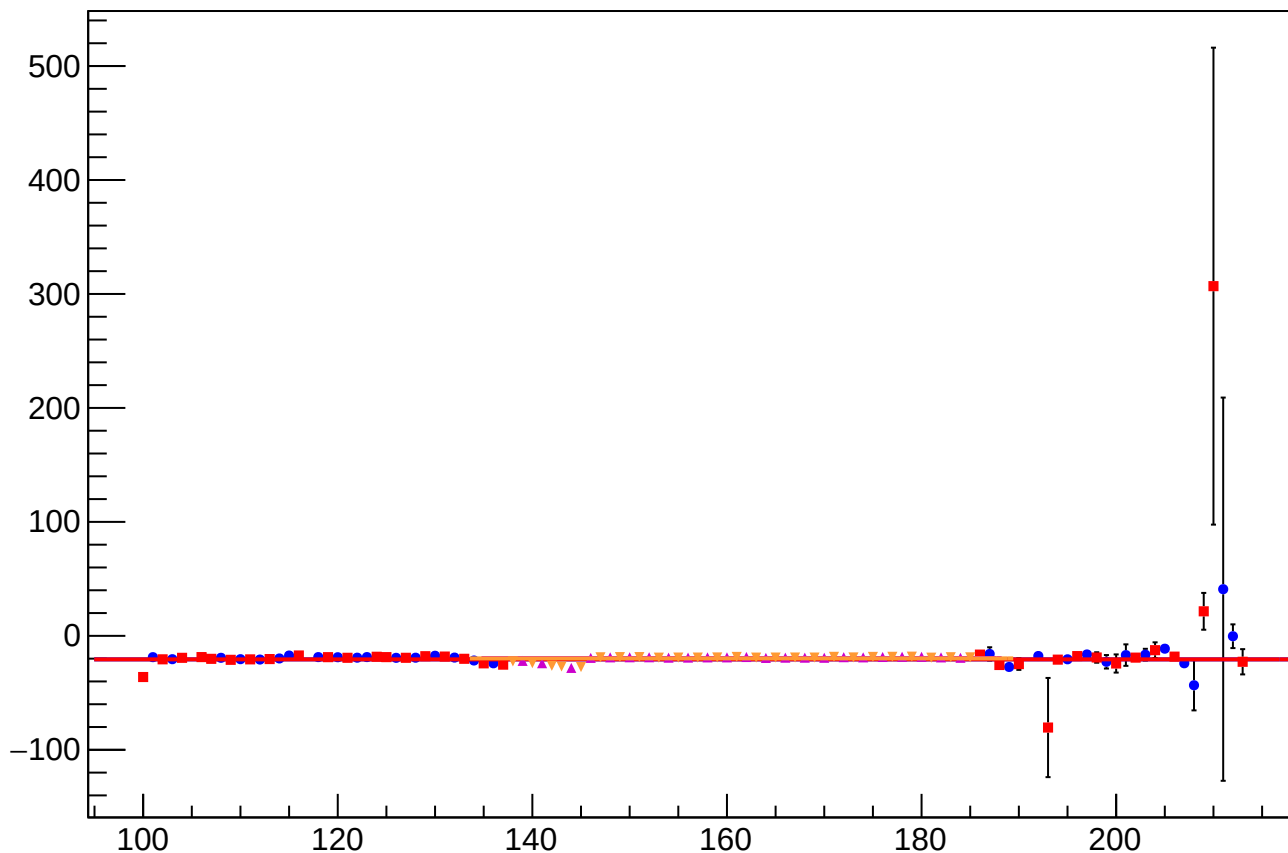
Left In: 9.803 $\pm$ 0.172 χ^2 /NDF: 1158.7/22

+ sign 8.968 $\pm$ 0.152 χ^2 /NDF: 1978.7/54

All: 8.851 $\pm$ 0.109 χ^2 /NDF: 3810.2/110

- sign 8.727 $\pm$ 0.156 χ^2 /NDF: 1830.3/55

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 χ^2/NDF : 12459.0/29

Left Out: -19.767 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.638 ± 0.019 χ^2/NDF : 13819.2/32

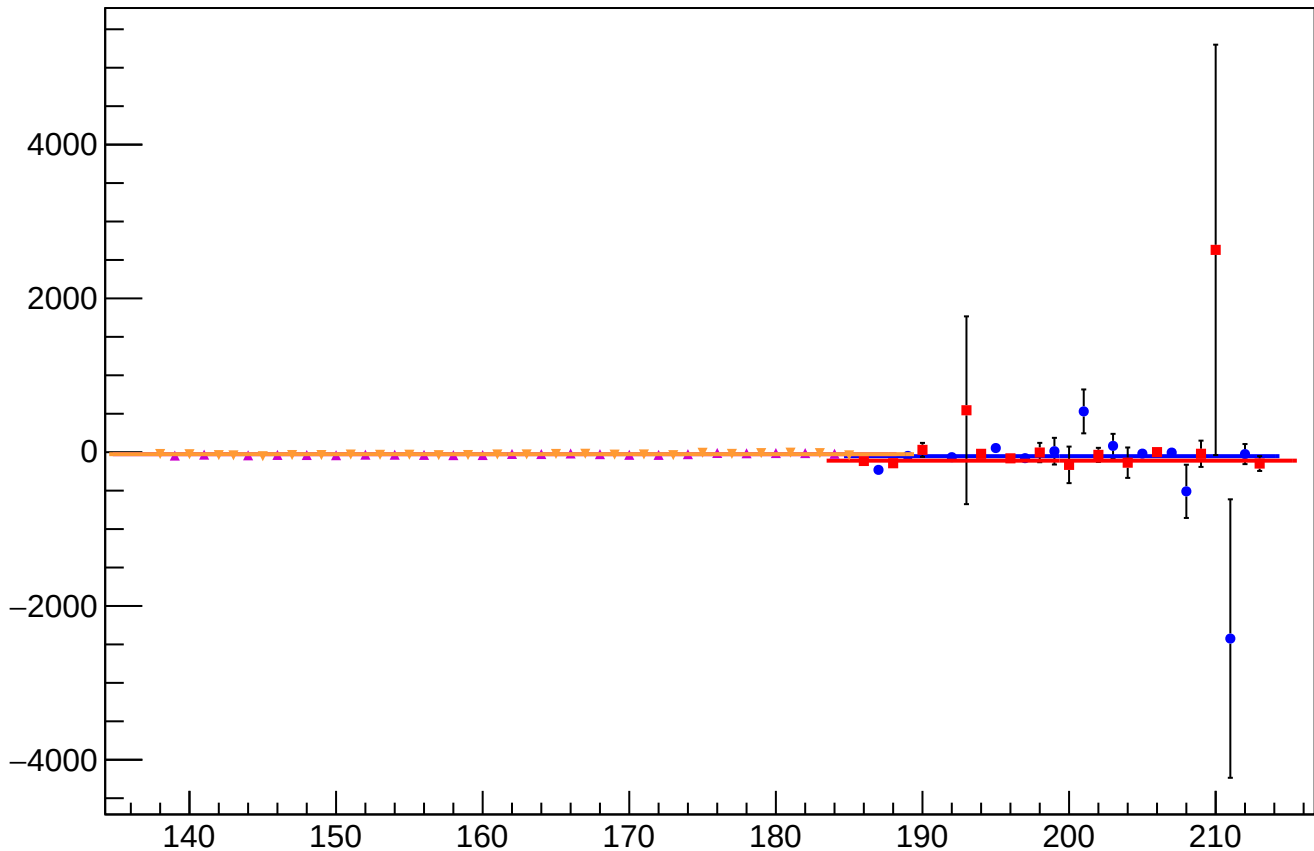
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105837.7/54

All: -19.751 ± 0.005 χ^2/NDF : 176854.5/110

- sign -19.607 ± 0.007 χ^2/NDF : 70264.3/55

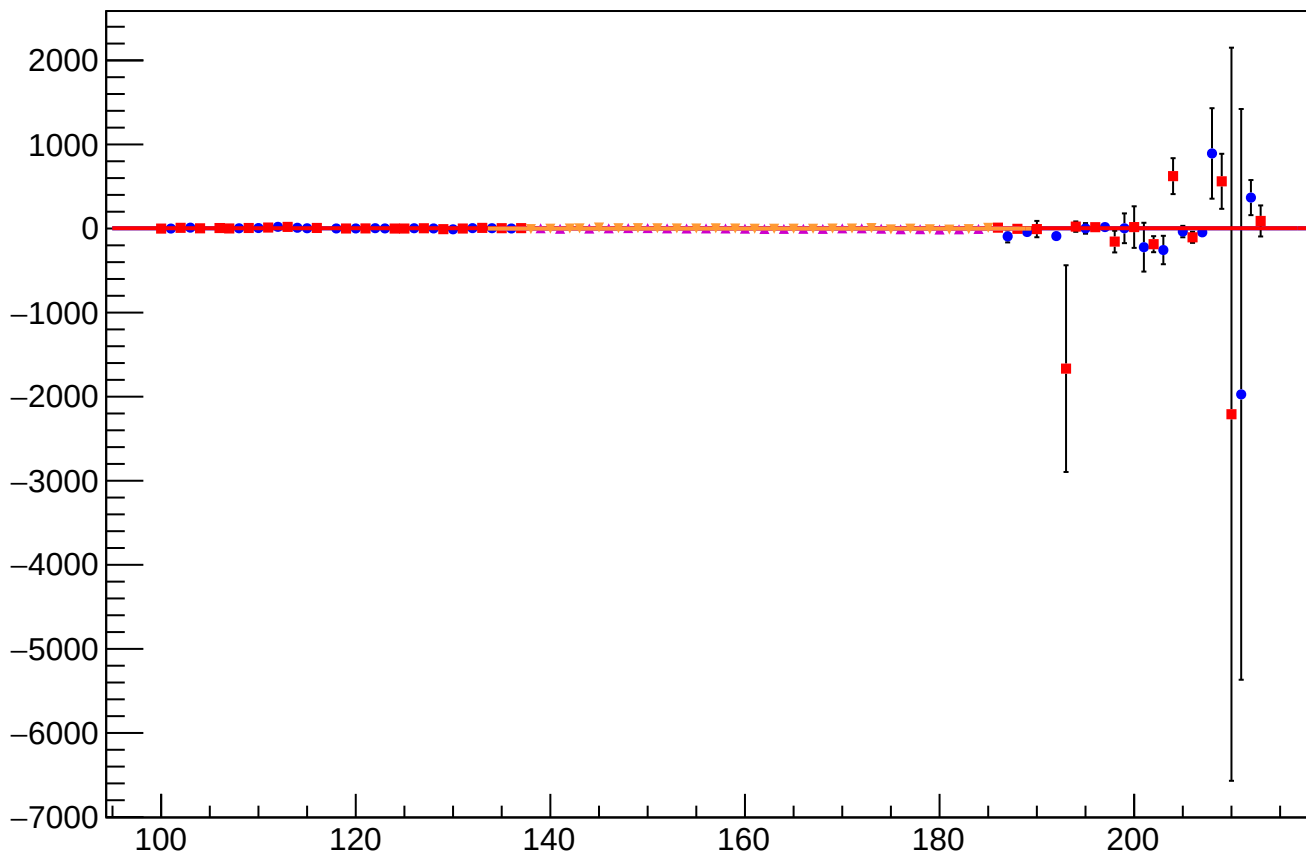
reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -51.840 ± 12.995 χ^2/NDF : 31.1/12
Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24
Right Out: -110.069 ± 8.088 χ^2/NDF : 17.0/13
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4162.6/37
All: -25.998 ± 0.137 χ^2/NDF : 7534.7/74
- sign -26.095 ± 0.195 χ^2/NDF : 3371.6/36

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.439 ± 0.315 χ^2/NDF : 311.6/29

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.593 ± 0.318 χ^2/NDF : 302.4/32

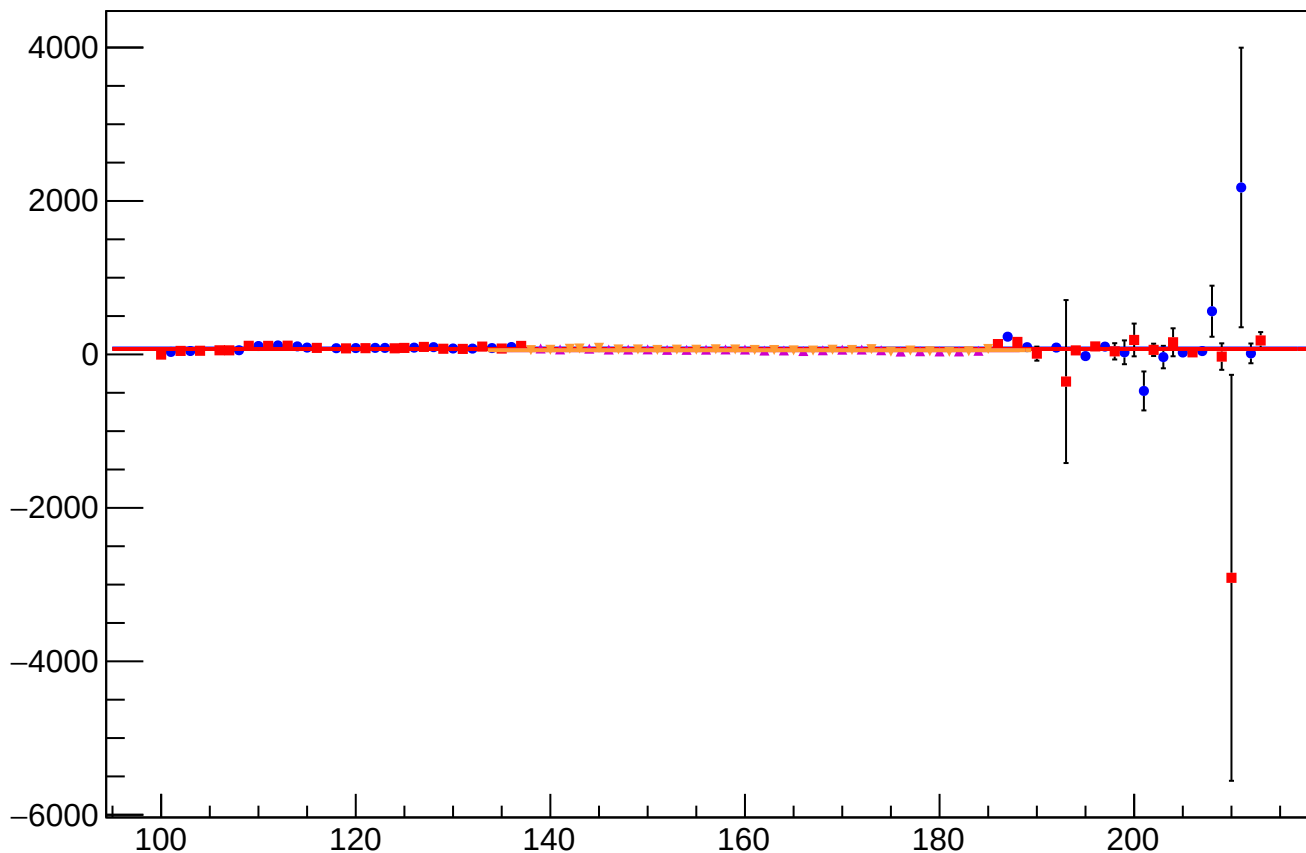
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1698.7/54

All: -0.025 ± 0.095 χ^2/NDF : 3263.2/110

- sign 0.009 ± 0.136 χ^2/NDF : 1564.3/55

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.709 $\pm$ 0.576 χ^2 /NDF: 2300.0/29

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.750 $\pm$ 0.549 χ^2 /NDF: 4495.1/32

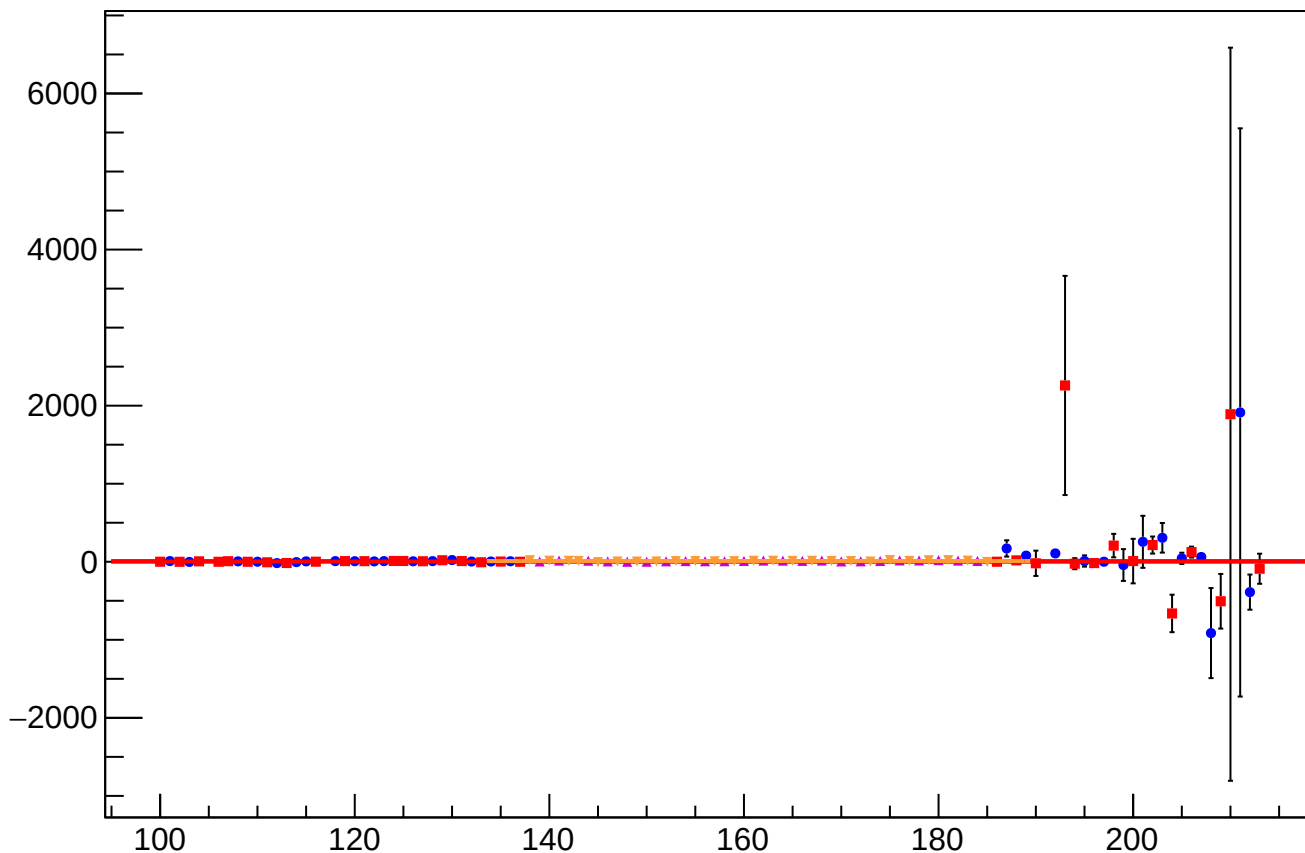
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.259 $\pm$ 0.182 χ^2 /NDF: 8124.2/54

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17010.9/110

- sign 56.828 $\pm$ 0.183 χ^2 /NDF: 8883.9/55

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.444 ± 0.361 χ^2/NDF : 404.2/29

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.282 ± 0.365 χ^2/NDF : 446.7/32

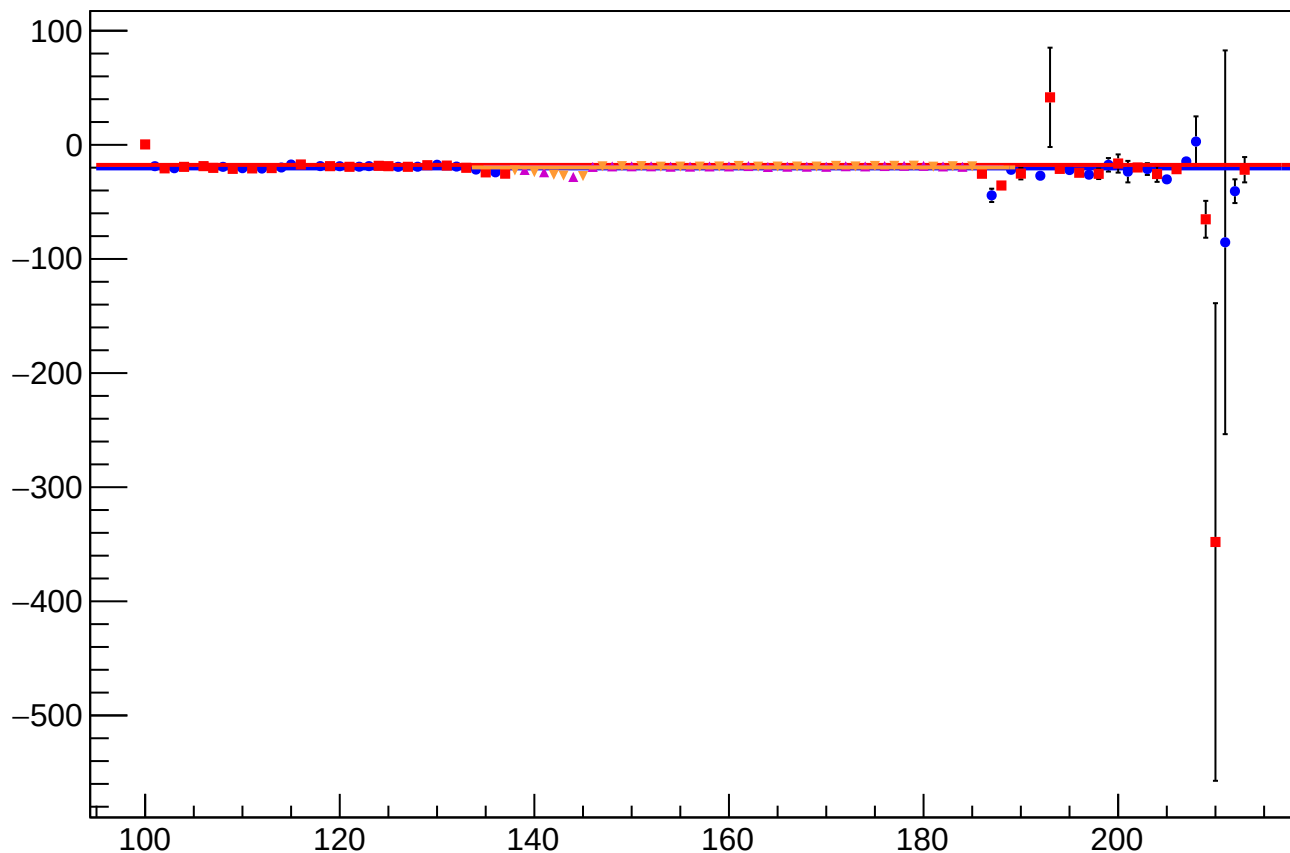
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.924 ± 0.152 χ^2/NDF : 1958.4/54

All: 8.750 ± 0.109 χ^2/NDF : 3854.5/110

- sign 8.570 ± 0.155 χ^2/NDF : 1893.4/55

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 χ^2/NDF : 12519.7/29

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178452.9/32

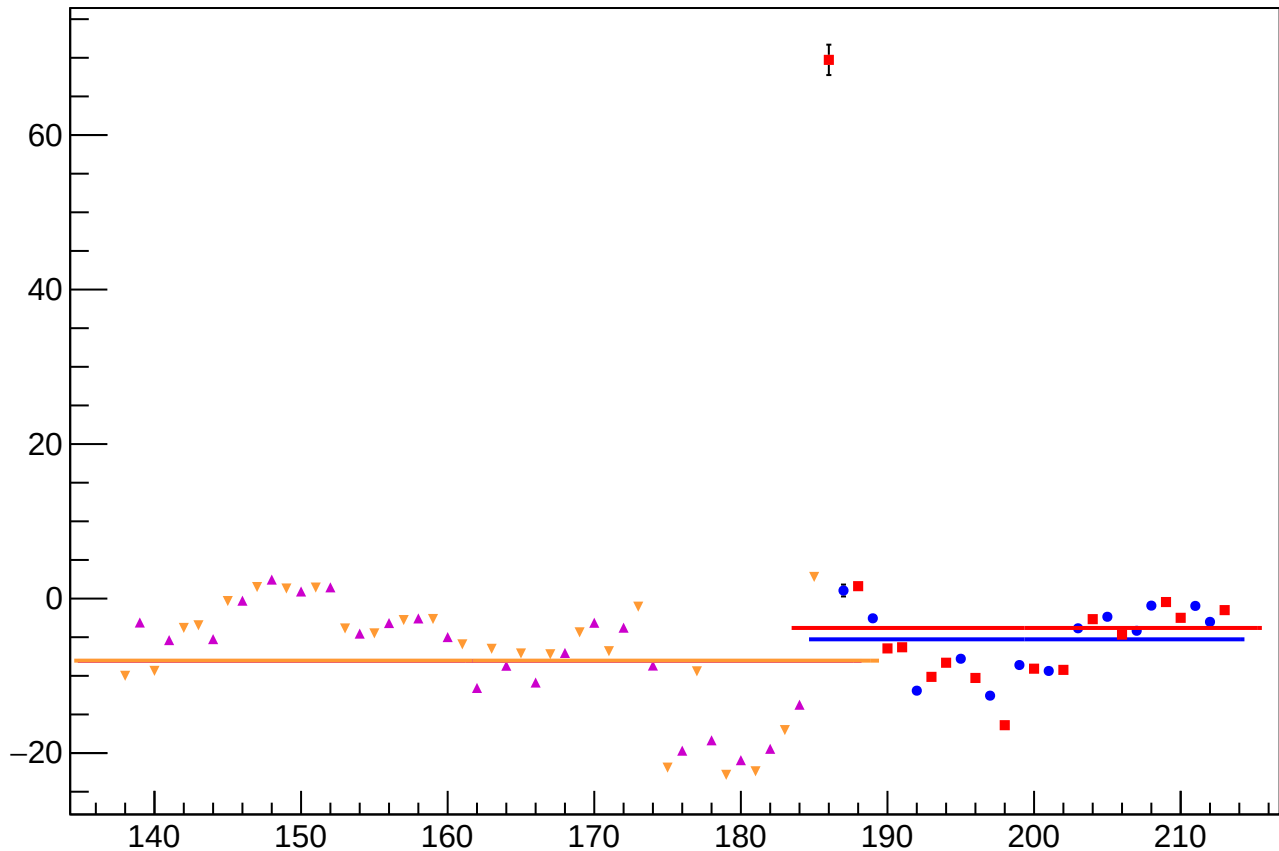
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105768.7/54

All: -19.518 ± 0.005 χ^2/NDF : 351744.4/110

- sign -19.140 ± 0.007 χ^2/NDF : 240564.5/55

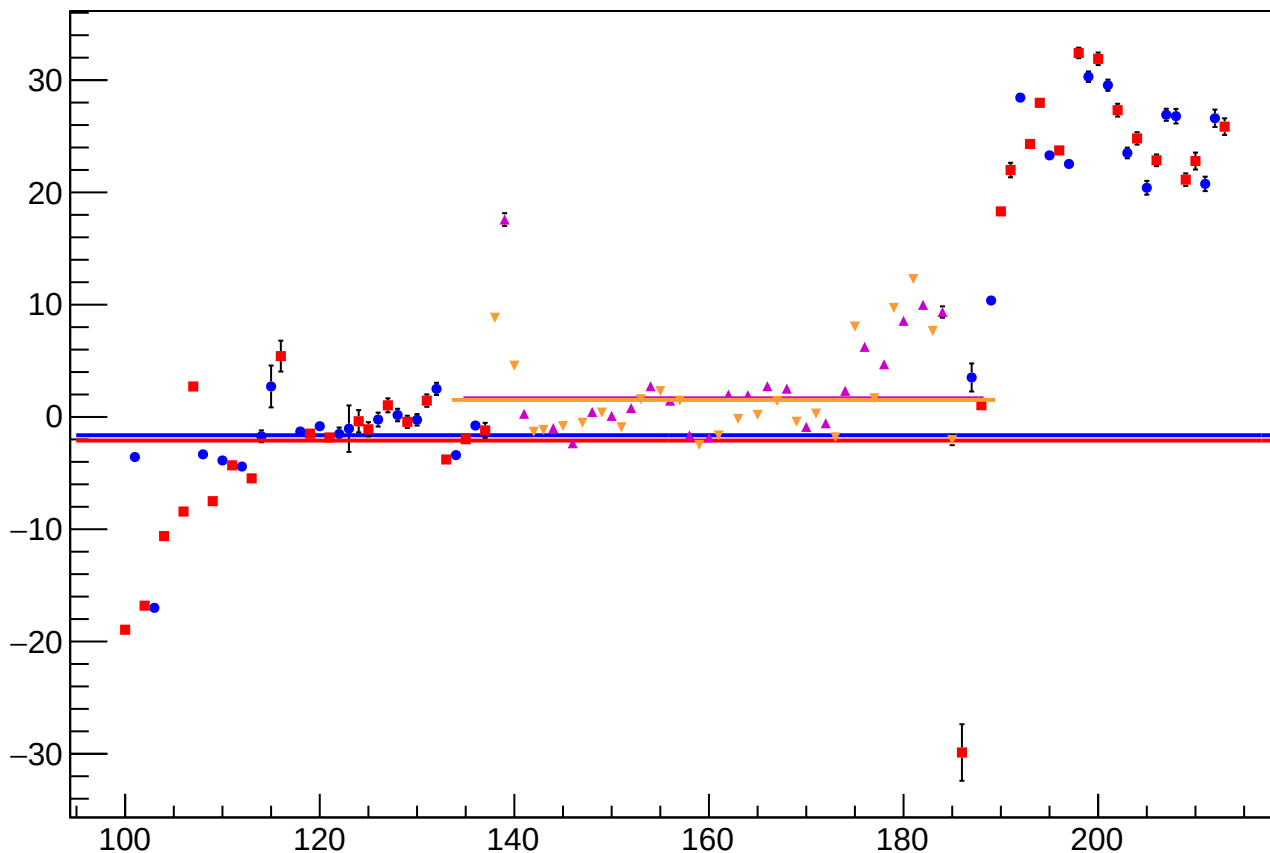
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -5.275 ± 0.110 $\chi^2/\text{NDF}: 1398.7/12$
 Left Out: -8.034 ± 0.070 $\chi^2/\text{NDF}: 12568.0/24$
 Right Out: -3.803 ± 0.096 $\chi^2/\text{NDF}: 4140.7/14$
 Left In: -8.078 ± 0.072 $\chi^2/\text{NDF}: 10541.6/22$

+ sign -7.236 ± 0.059 $\chi^2/\text{NDF}: 14412.0/37$
 All: -6.873 ± 0.041 $\chi^2/\text{NDF}: 30444.7/75$
 - sign -6.532 ± 0.057 $\chi^2/\text{NDF}: 15959.9/37$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -1.630 ± 0.051 χ^2/NDF : 47738.4/29

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -2.101 ± 0.053 χ^2/NDF : 57979.1/33

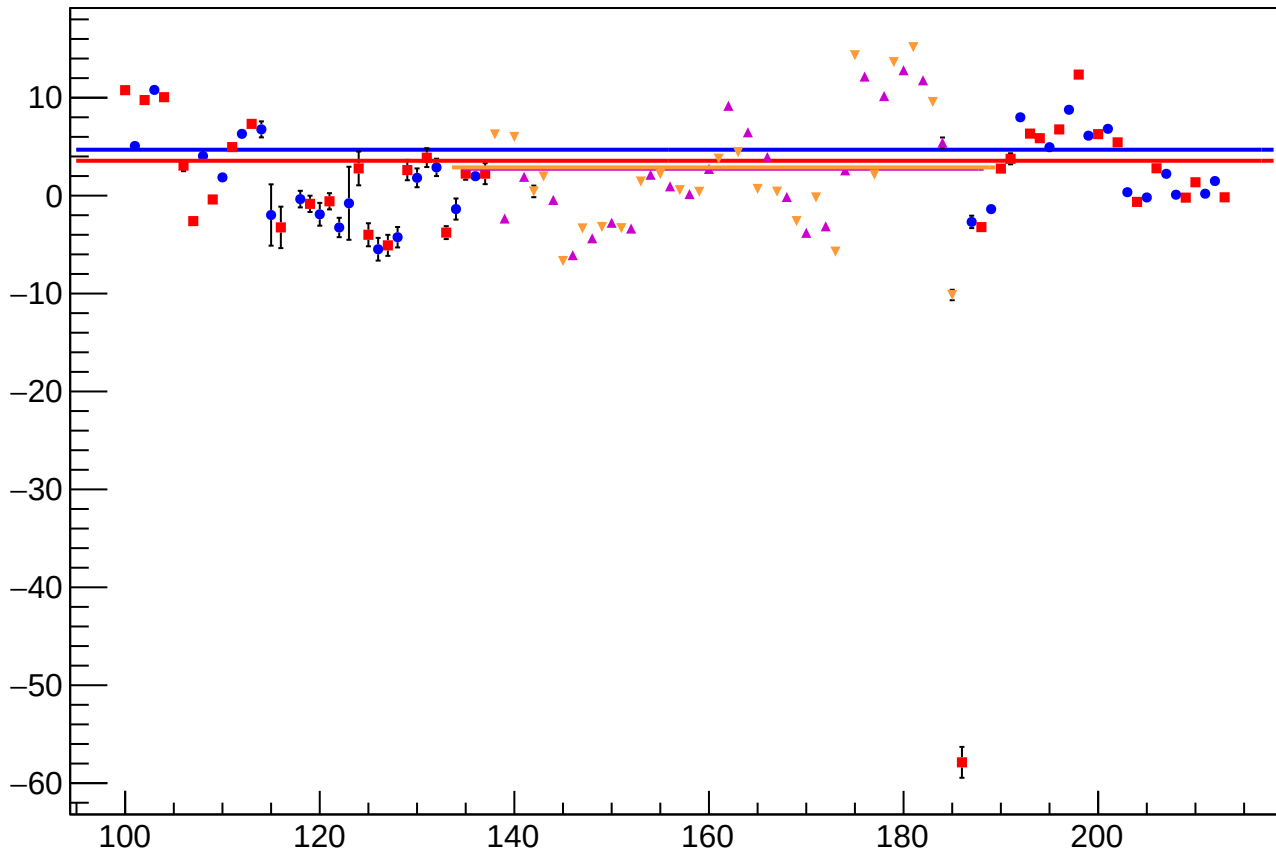
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -0.151 ± 0.037 χ^2/NDF : 54364.4/54

All: -0.236 ± 0.027 χ^2/NDF : 118729.9/111

- sign -0.329 ± 0.039 χ^2/NDF : 64354.6/56

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.689 ± 0.068 χ^2/NDF : 3074.2/29

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.561 ± 0.063 χ^2/NDF : 8073.3/33

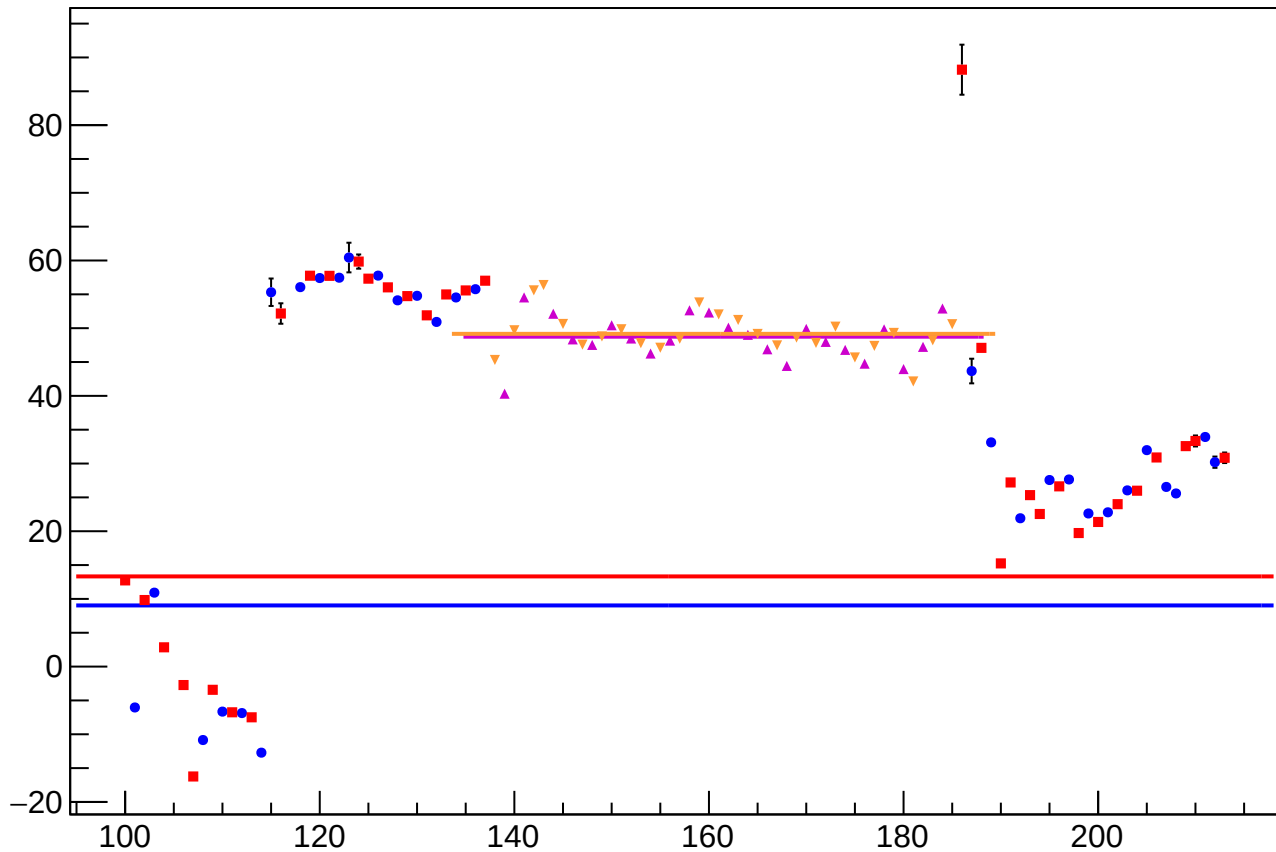
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.821 ± 0.049 χ^2/NDF : 12309.9/54

All: 3.503 ± 0.034 χ^2/NDF : 27722.2/111

- sign 3.202 ± 0.047 χ^2/NDF : 15329.3/56

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.035 ± 0.060 χ^2/NDF : 135030.1/29

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 13.323 ± 0.063 χ^2/NDF : 137763.7/33

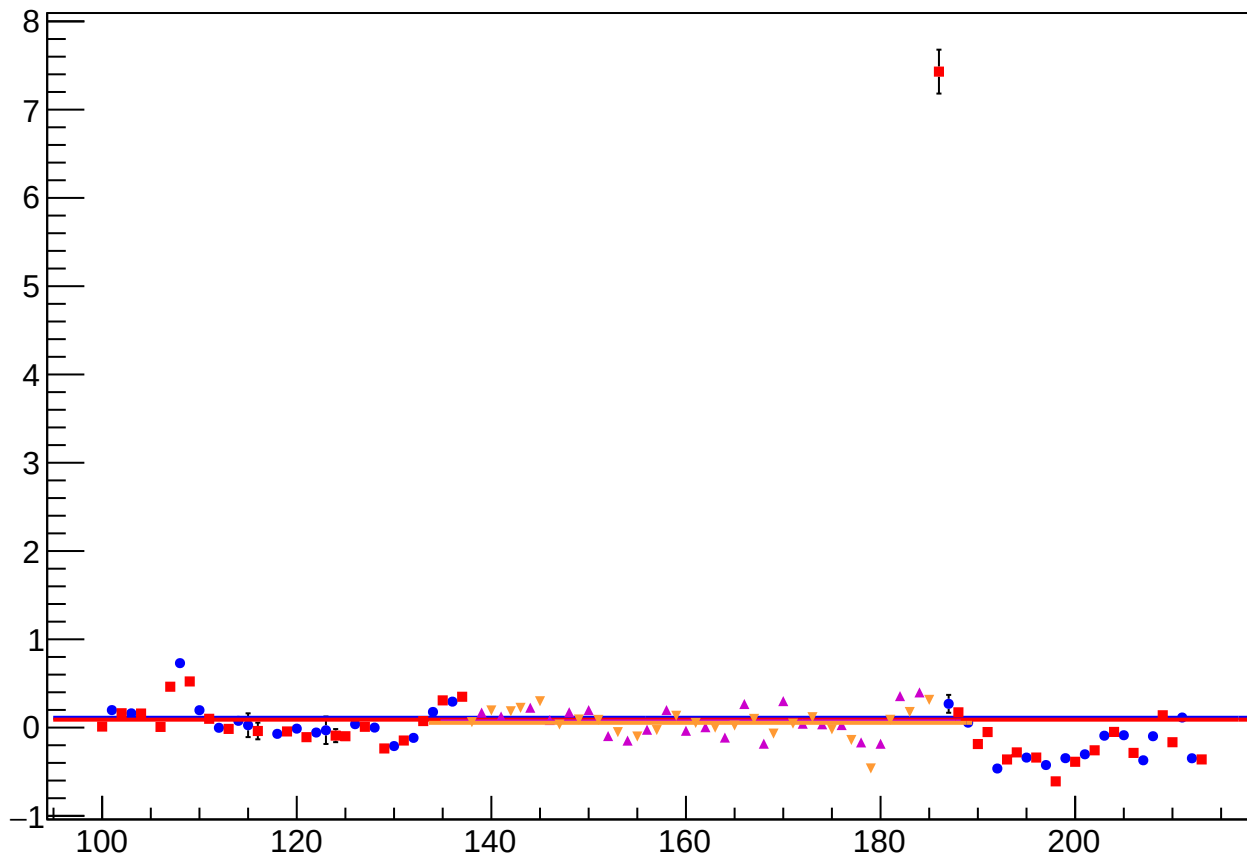
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.616 ± 0.043 χ^2/NDF : 353597.5/54

All: 29.712 ± 0.031 χ^2/NDF : 650231.1/111

- sign 30.902 ± 0.045 χ^2/NDF : 295286.0/56

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.111 $\pm$ 0.002 χ^2 /NDF: 11711.1/29

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF:2379.8/24

Right Out: 0.090 $\pm$ 0.002 χ^2 /NDF: 11110.8/33

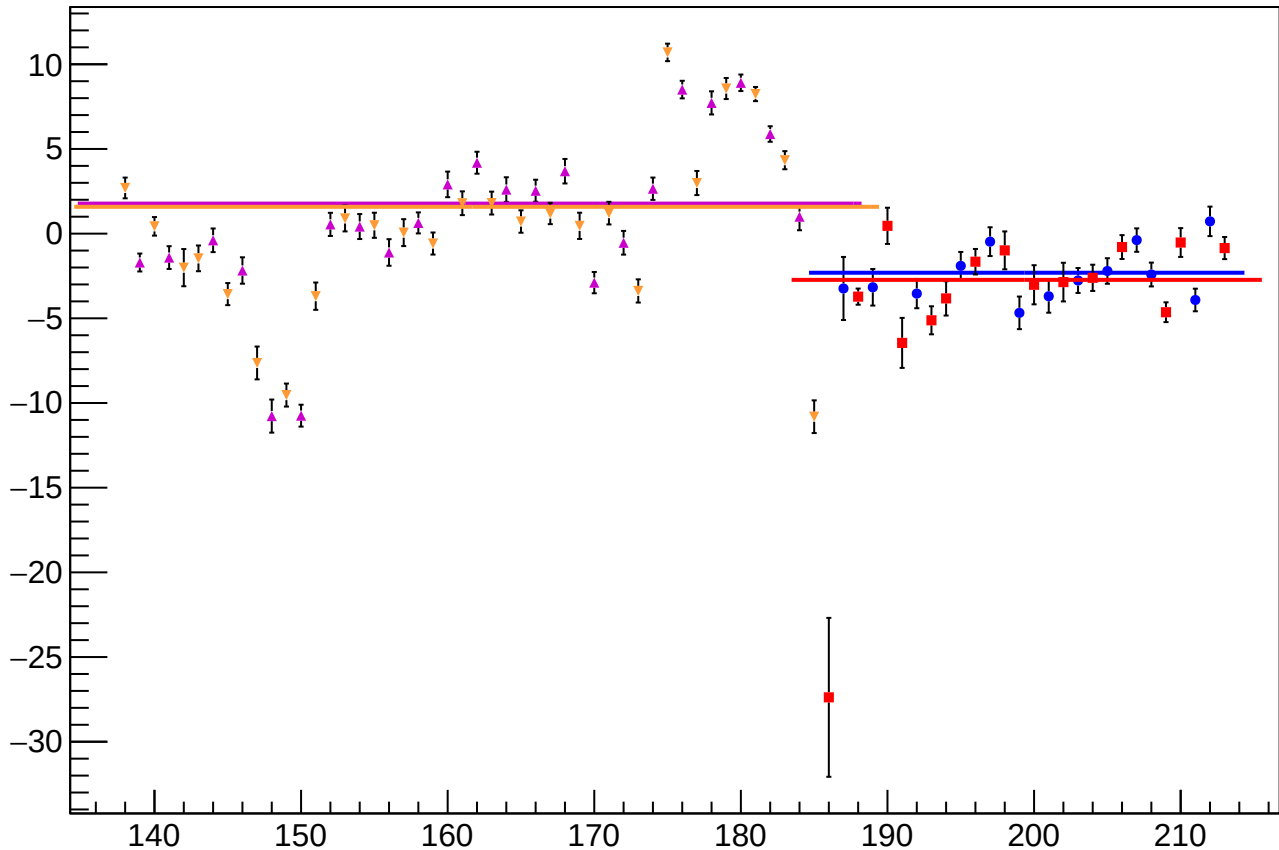
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF:3233.8/22

+ sign 0.086 $\pm$ 0.002 χ^2 /NDF: 14323.3/54

All: 0.084 $\pm$ 0.001 χ^2 /NDF: 28698.3/111

- sign 0.082 $\pm$ 0.002 χ^2 /NDF: 14371.9/56

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.309 ± 0.231 χ^2/NDF : 42.1/12

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.729 ± 0.210 χ^2/NDF : 94.5/14

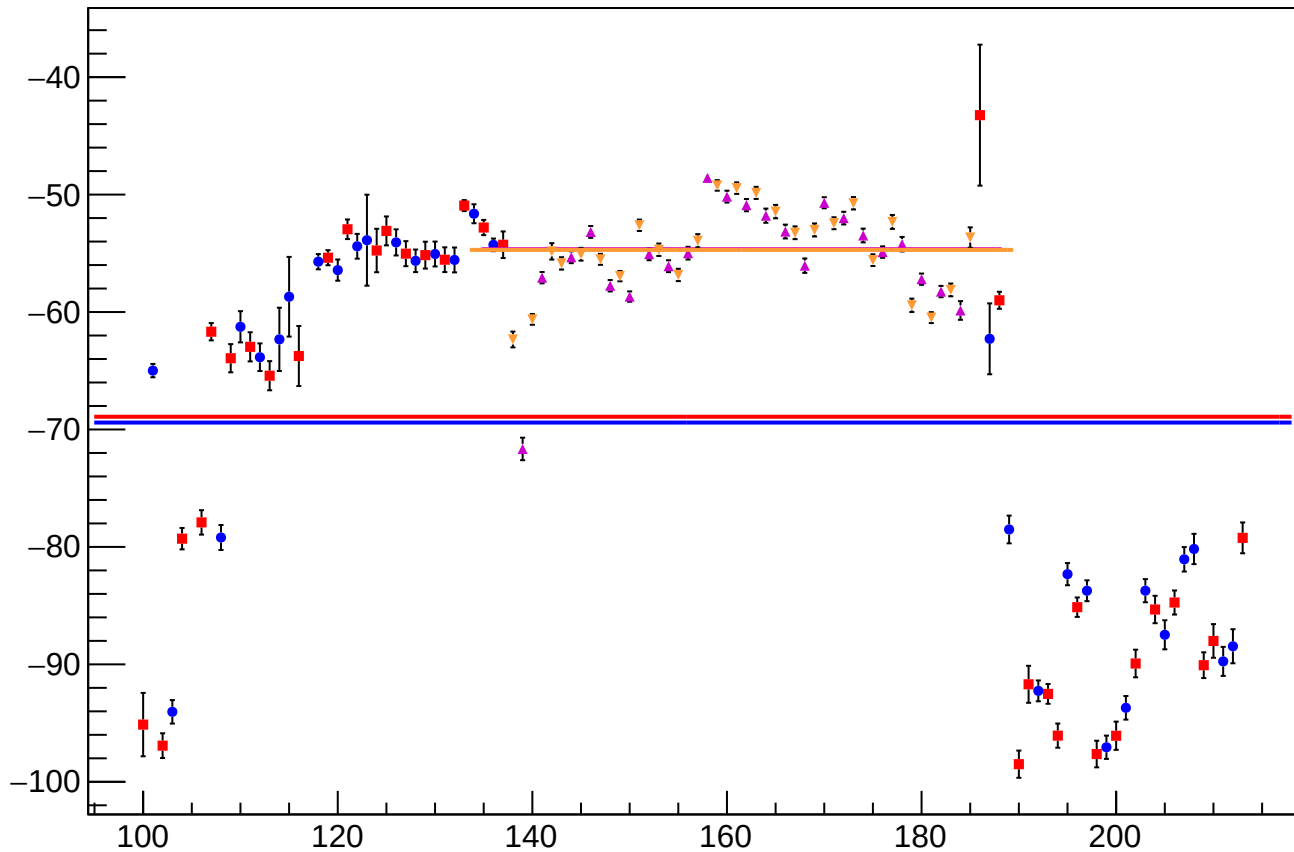
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.617 ± 0.115 χ^2/NDF : 1714.8/37

All: 0.535 ± 0.081 χ^2/NDF : 3432.3/75

- sign 0.455 ± 0.114 χ^2/NDF : 1716.5/37

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.411 ± 0.181 χ^2/NDF : 7322.6/29

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -68.916 ± 0.169 χ^2/NDF : 10374.7/33

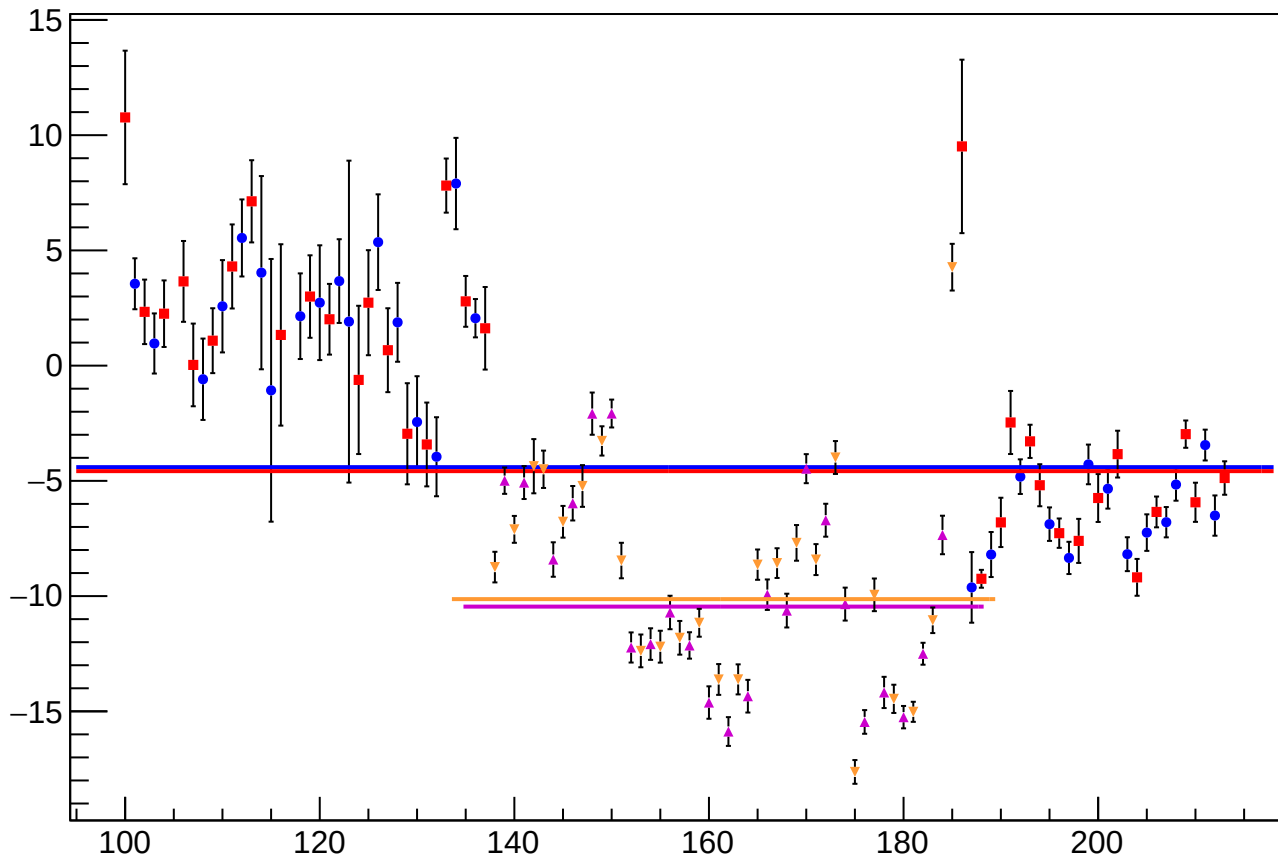
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -58.449 ± 0.091 χ^2/NDF : 13372.9/54

All: -58.660 ± 0.065 χ^2/NDF : 29835.9/111

- sign -58.874 ± 0.092 χ^2/NDF : 16452.2/56

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -4.405 ± 0.191 χ^2/NDF : 435.0/29

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -4.578 ± 0.173 χ^2/NDF : 663.9/33

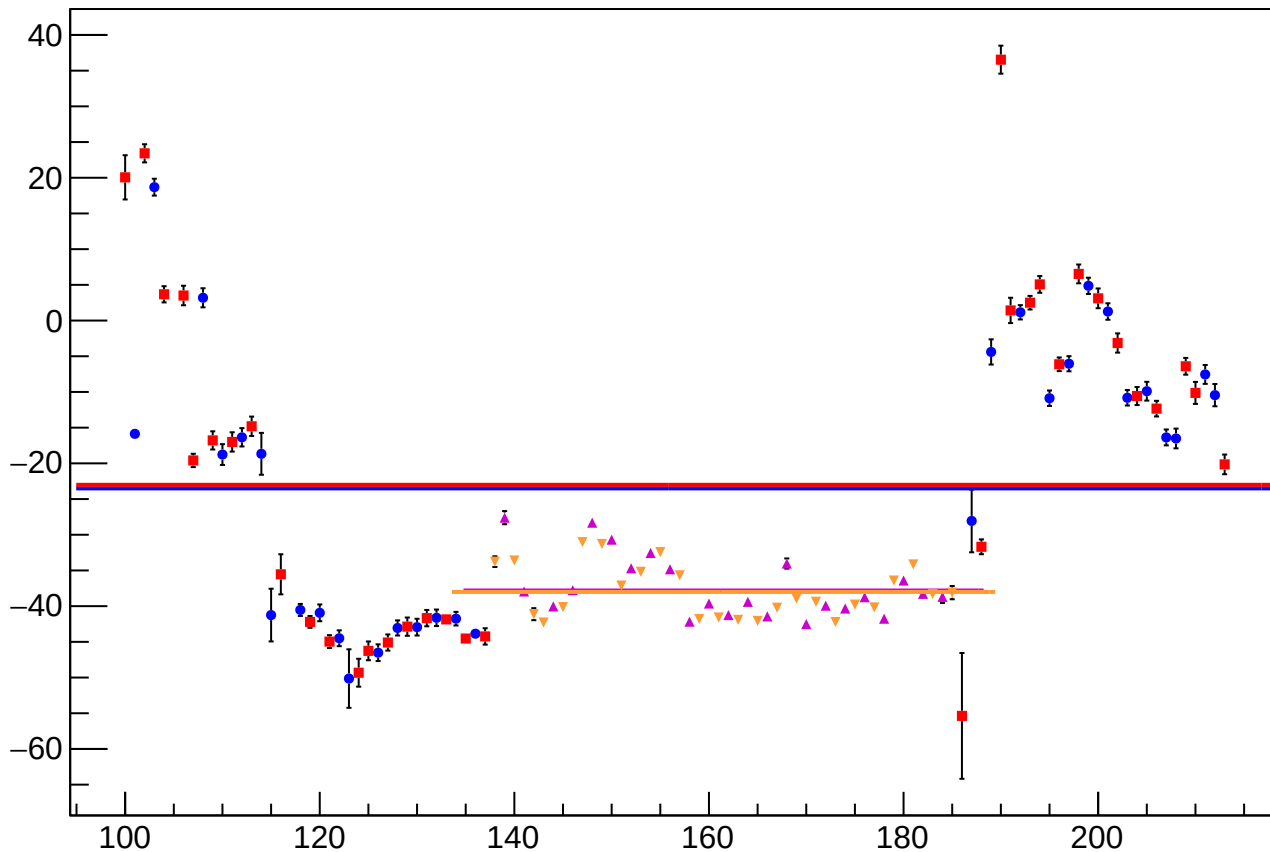
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.271 ± 0.109 χ^2/NDF : 2094.4/54

All: -8.257 ± 0.076 χ^2/NDF : 4478.3/111

- sign -8.244 ± 0.106 χ^2/NDF : 2383.9/56

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.506 ± 0.206 $\chi^2/\text{NDF}: 8661.3/29$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -23.008 ± 0.196 $\chi^2/\text{NDF}: 11890.4/33$

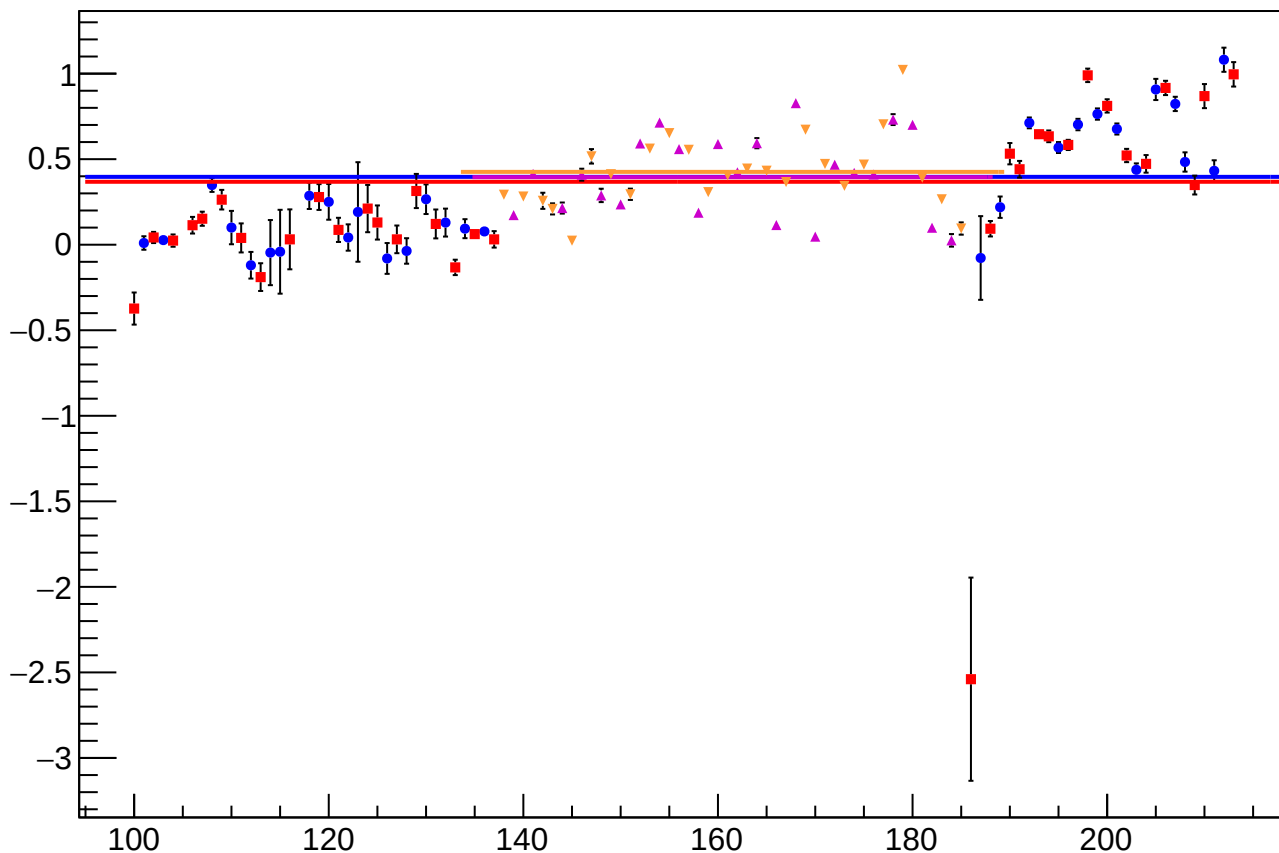
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -34.383 ± 0.103 $\chi^2/\text{NDF}: 13333.9/54$

All: -34.029 ± 0.073 $\chi^2/\text{NDF}: 30385.9/111$

- sign -33.668 ± 0.104 $\chi^2/\text{NDF}: 17028.1/56$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.397 $\pm$ 0.009 χ^2 /NDF: 1349.9/29

Left Out: 0.426 $\pm$ 0.005 χ^2 /NDF:1303.7/24

Right Out: 0.368 $\pm$ 0.008 χ^2 /NDF: 1706.2/33

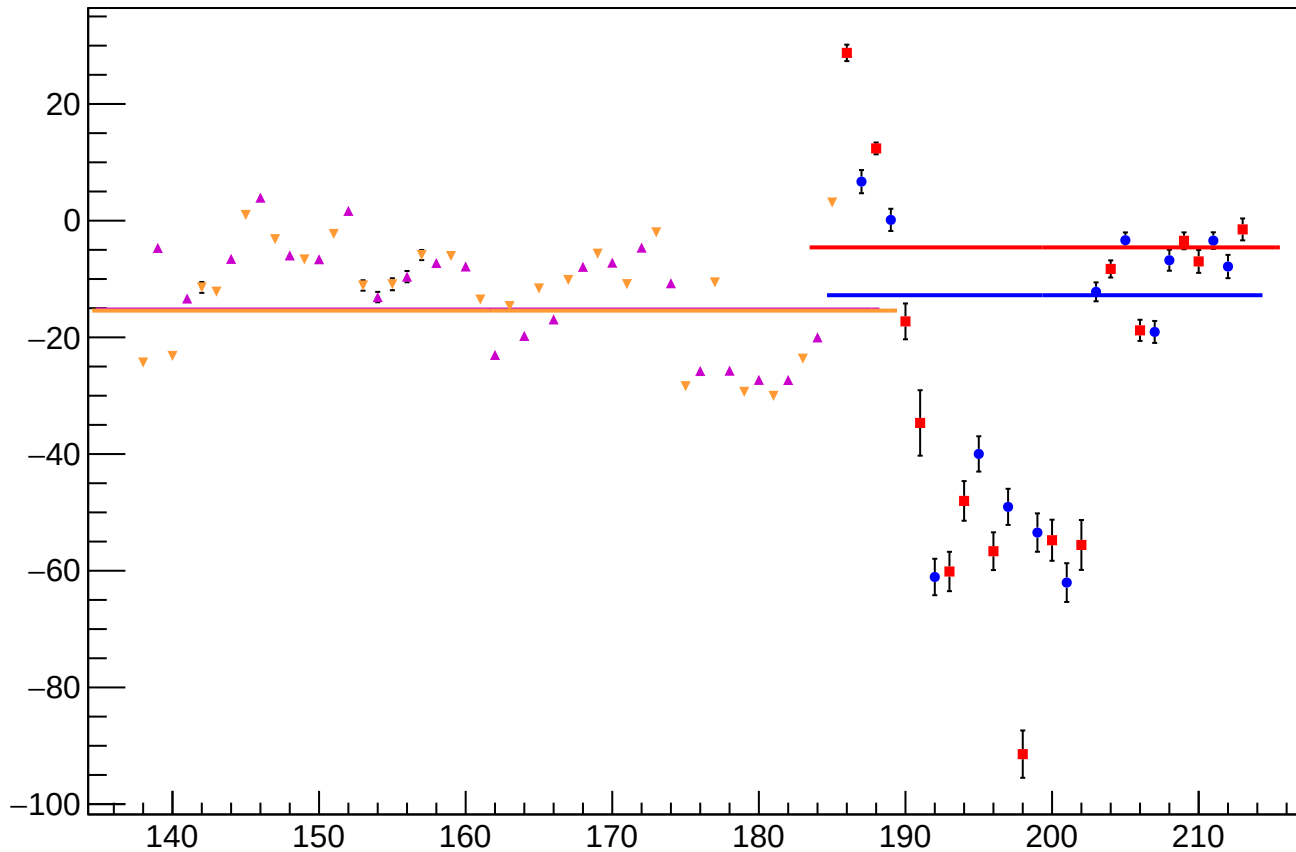
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.418 $\pm$ 0.005 χ^2 /NDF: 2661.9/54

All: 0.402 $\pm$ 0.003 χ^2 /NDF: 6196.7/111

- sign 0.387 $\pm$ 0.005 χ^2 /NDF: 3512.0/56

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -12.777 ± 0.550 $\chi^2/\text{NDF}: 1093.4/12$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: -4.578 ± 0.508 $\chi^2/\text{NDF}: 2456.7/14$

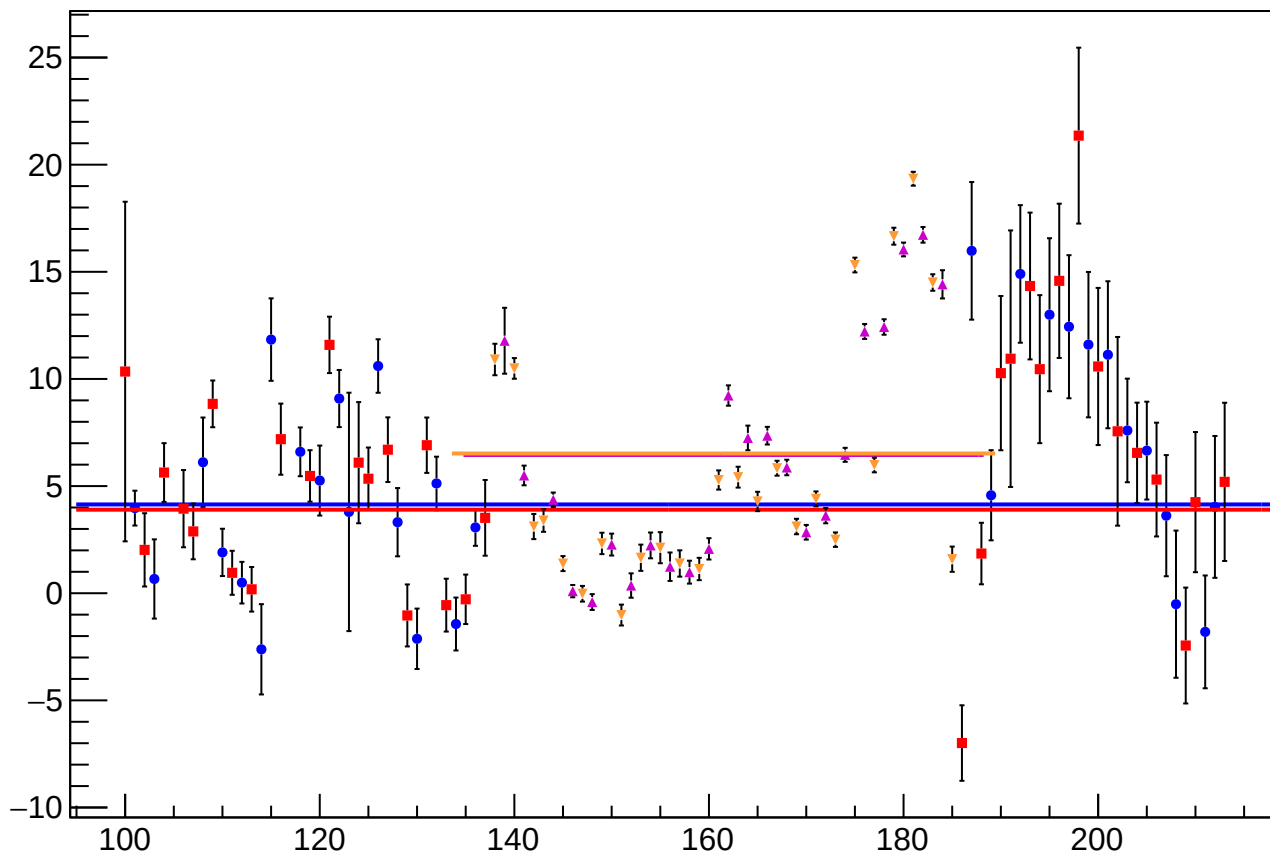
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.320 ± 0.103 $\chi^2/\text{NDF}: 11624.6/37$

All: -15.052 ± 0.073 $\chi^2/\text{NDF}: 23173.4/75$

- sign -14.779 ± 0.104 $\chi^2/\text{NDF}: 11535.2/37$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.143 ± 0.290 χ^2/NDF : 193.7/29

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.899 ± 0.289 χ^2/NDF : 229.4/33

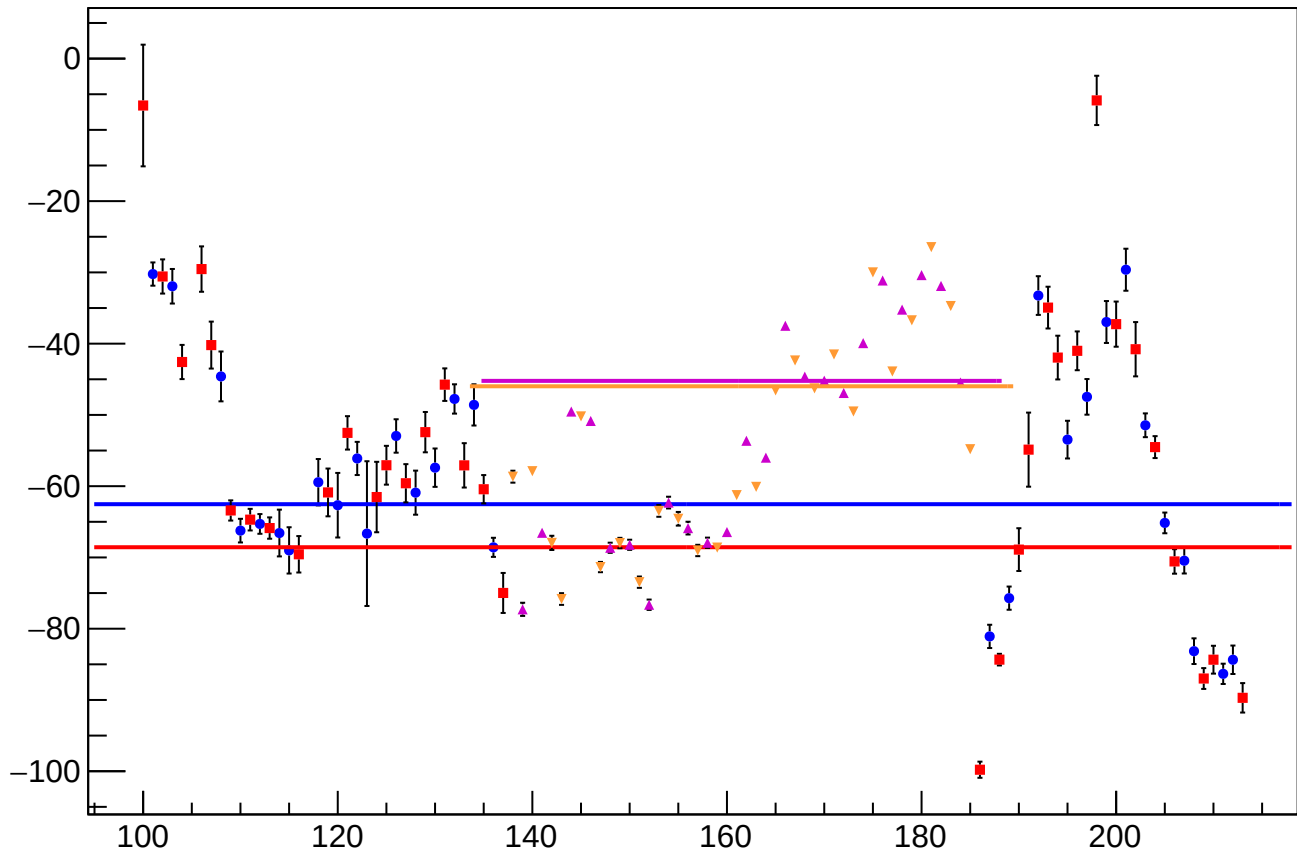
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.331 ± 0.082 χ^2/NDF : 5240.8/54

All: 6.288 ± 0.058 χ^2/NDF : 9490.3/111

- sign 6.244 ± 0.083 χ^2/NDF : 4249.0/56

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -62.528 ± 0.378 $\chi^2/\text{NDF}: 1872.8/29$

Left Out: -45.982 ± 0.106 $\chi^2/\text{NDF}: 17360.1/24$

Right Out: -68.567 ± 0.349 $\chi^2/\text{NDF}: 3262.1/33$

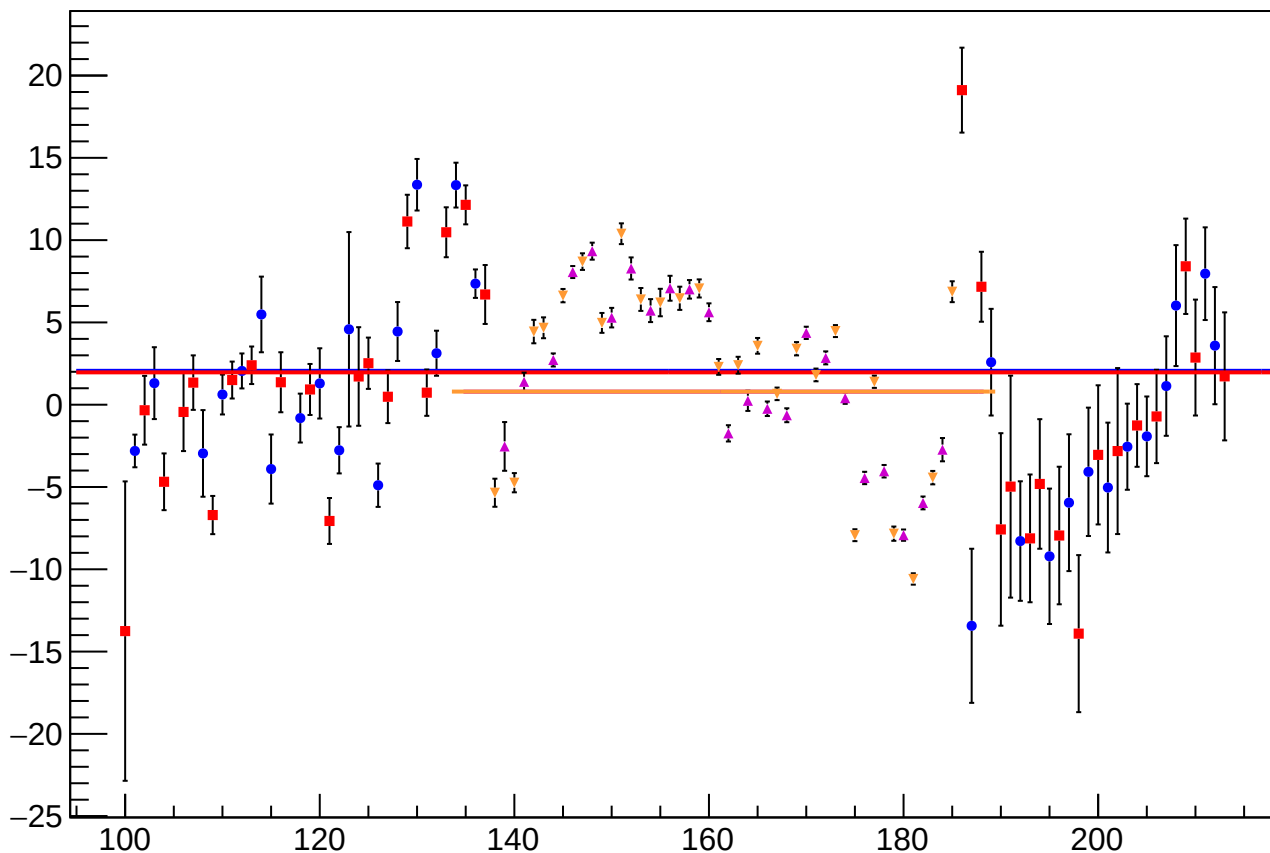
Left In: -45.222 ± 0.107 $\chi^2/\text{NDF}: 15600.2/22$

+ sign -47.193 ± 0.102 $\chi^2/\text{NDF}: 21007.7/54$

All: -47.216 ± 0.072 $\chi^2/\text{NDF}: 43968.6/111$

- sign -47.239 ± 0.102 $\chi^2/\text{NDF}: 22960.8/56$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.058 $\pm$ 0.326 χ^2 /NDF: 291.6/29

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 1.966 $\pm$ 0.330 χ^2 /NDF: 354.8/33

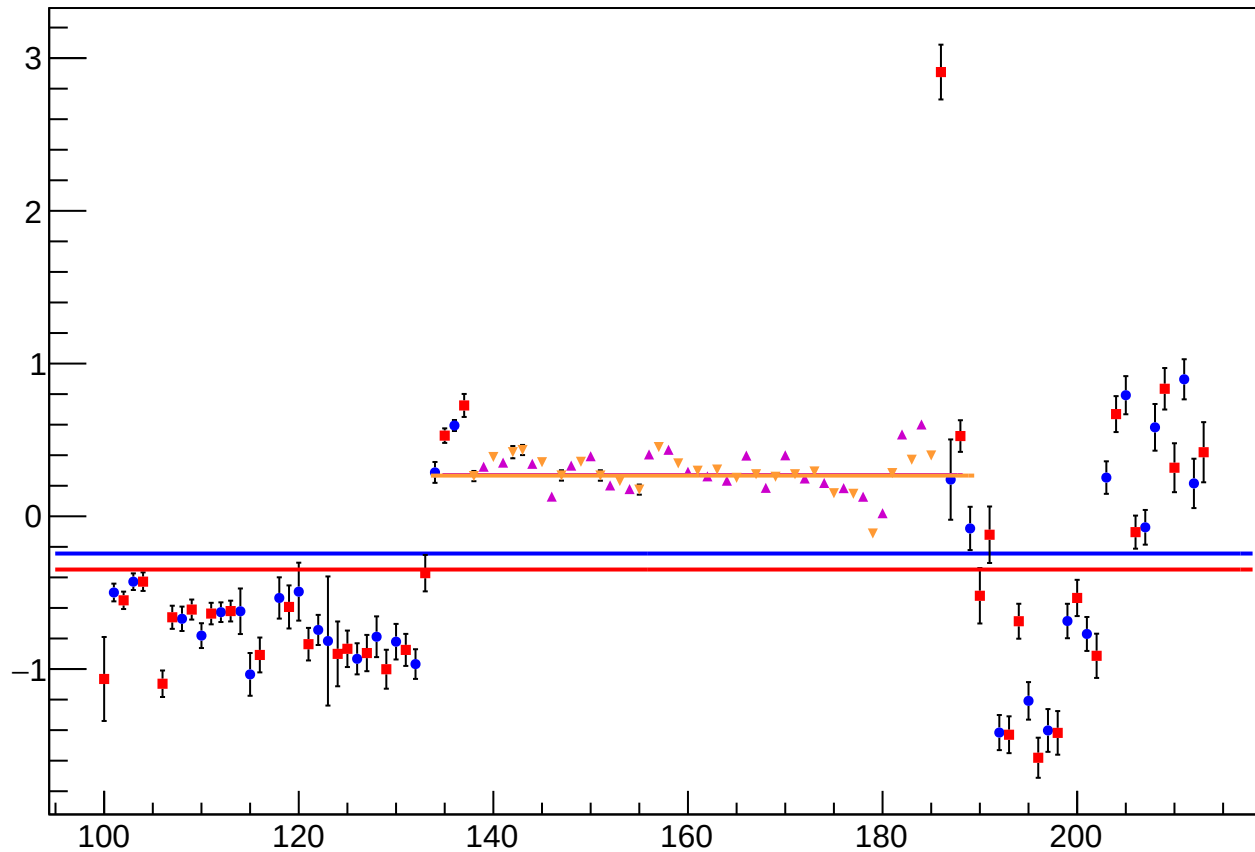
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.897 $\pm$ 0.092 χ^2 /NDF: 4065.3/54

All: 0.891 $\pm$ 0.065 χ^2 /NDF: 7124.3/111

- sign 0.885 $\pm$ 0.093 χ^2 /NDF: 3058.9/56

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.244 ± 0.017 χ^2/NDF : 1439.9/29

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.348 ± 0.017 χ^2/NDF : 1692.9/33

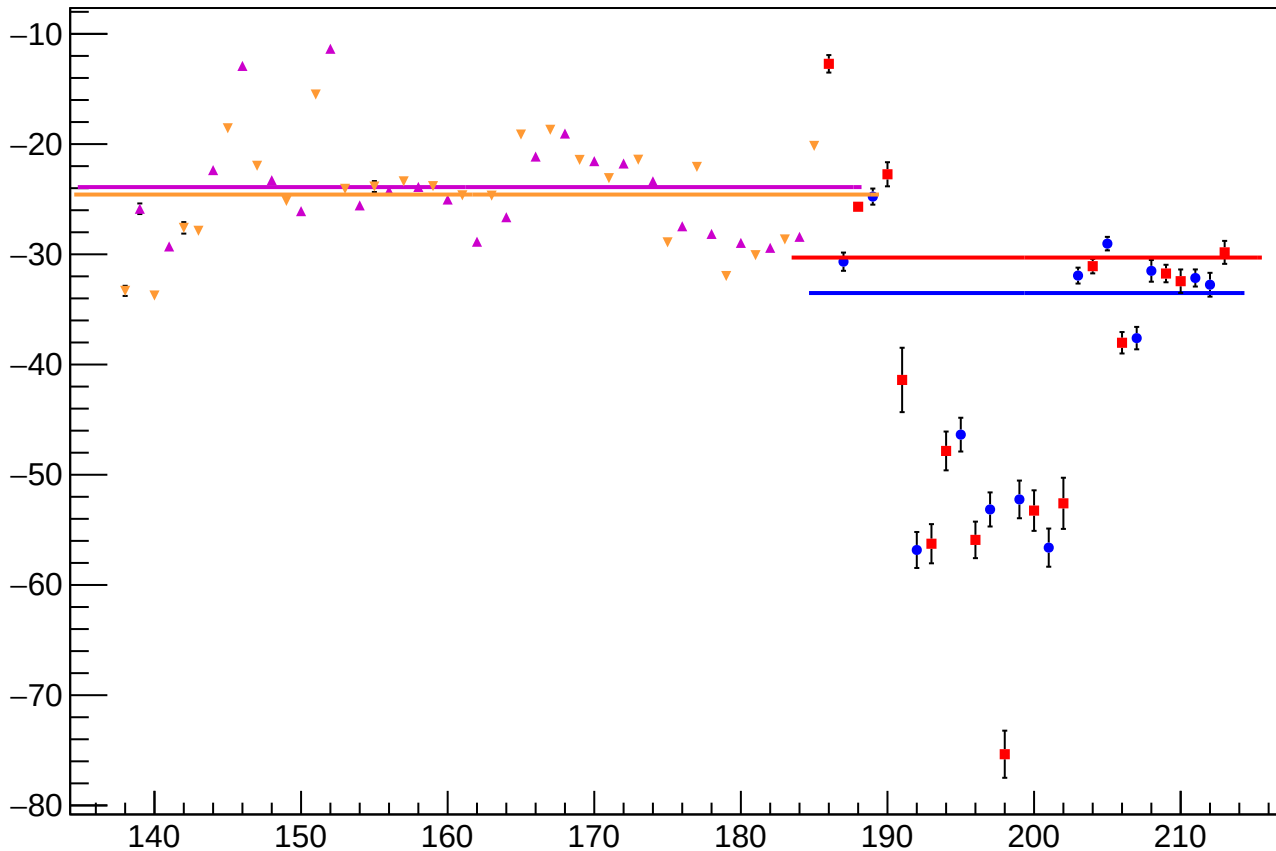
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.234 ± 0.004 χ^2/NDF : 3012.3/54

All: 0.232 ± 0.003 χ^2/NDF : 6963.4/111

- sign 0.230 ± 0.004 χ^2/NDF : 3950.5/56

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.514 ± 0.264 χ^2/NDF : 970.4/12

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -30.294 ± 0.247 χ^2/NDF : 1983.2/14

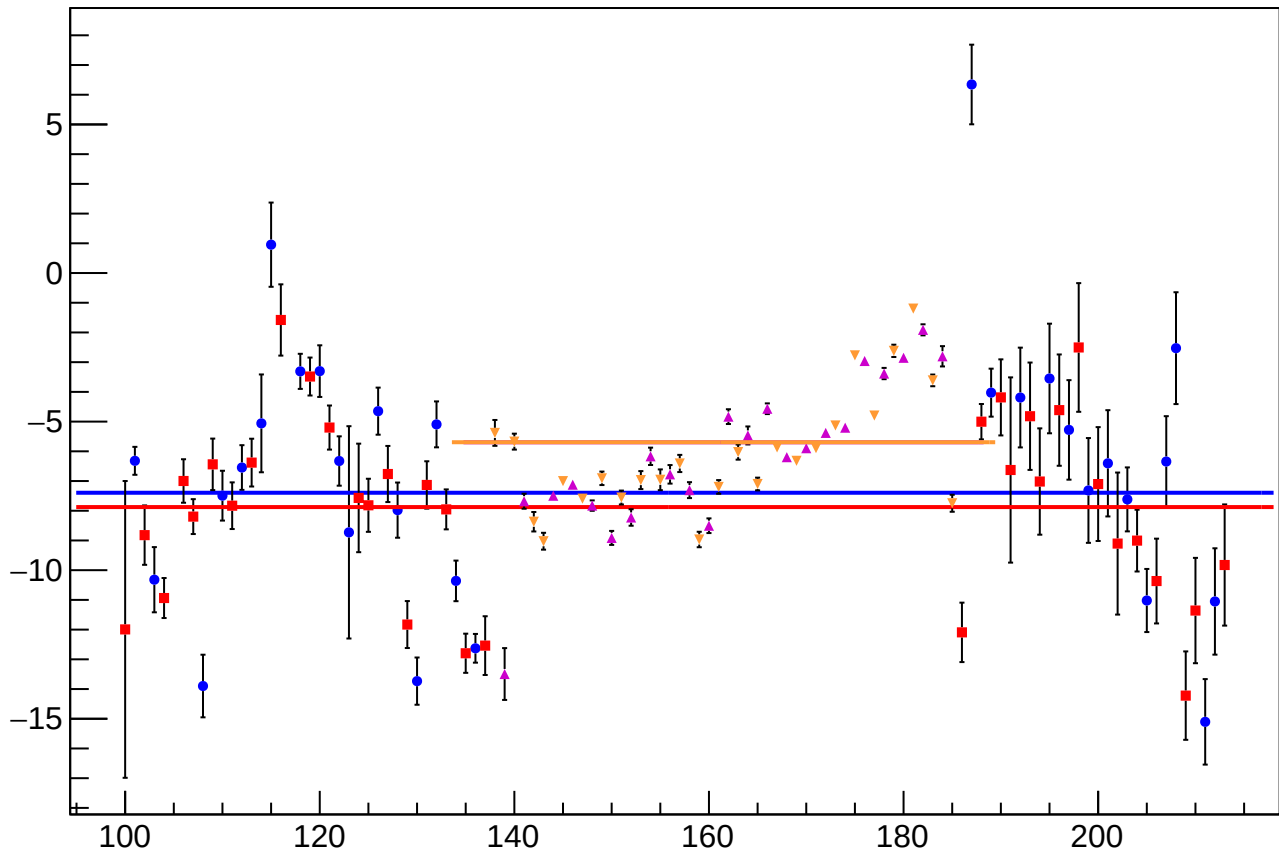
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.898 ± 0.050 χ^2/NDF : 10663.4/37

All: -24.531 ± 0.035 χ^2/NDF : 22552.6/75

- sign -24.164 ± 0.050 χ^2/NDF : 11781.6/37

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.394 ± 0.168 $\chi^2/\text{NDF}: 565.6/29$

Left Out: -5.694 ± 0.041 $\chi^2/\text{NDF}: 2258.3/24$

Right Out: -7.876 ± 0.164 $\chi^2/\text{NDF}: 312.9/33$

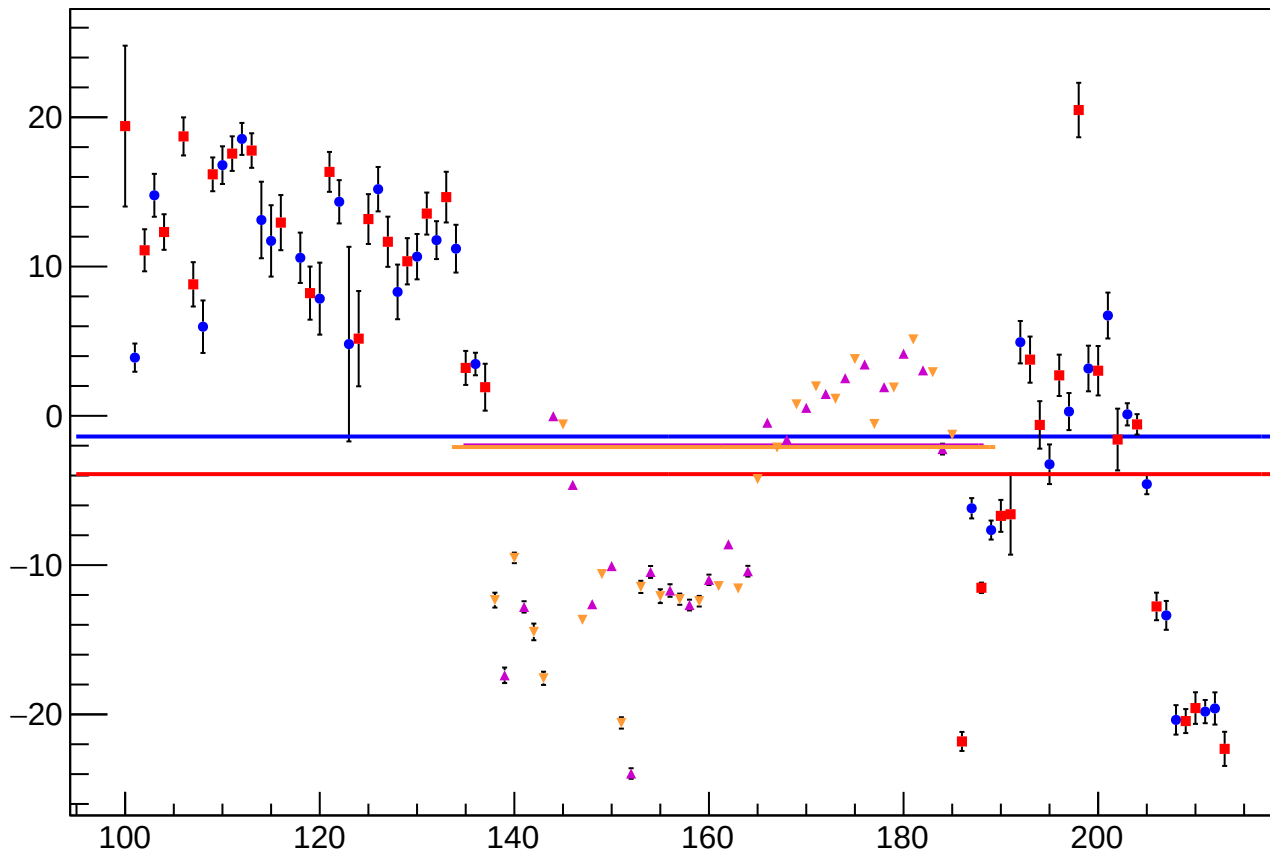
Left In: -5.696 ± 0.041 $\chi^2/\text{NDF}: 2309.8/22$

+ sign -5.790 ± 0.040 $\chi^2/\text{NDF}: 2920.6/54$

All: -5.807 ± 0.028 $\chi^2/\text{NDF}: 5711.0/111$

- sign -5.824 ± 0.040 $\chi^2/\text{NDF}: 2790.1/56$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -1.386 ± 0.202 χ^2/NDF : 3003.6/29

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -3.906 ± 0.184 χ^2/NDF : 5229.9/33

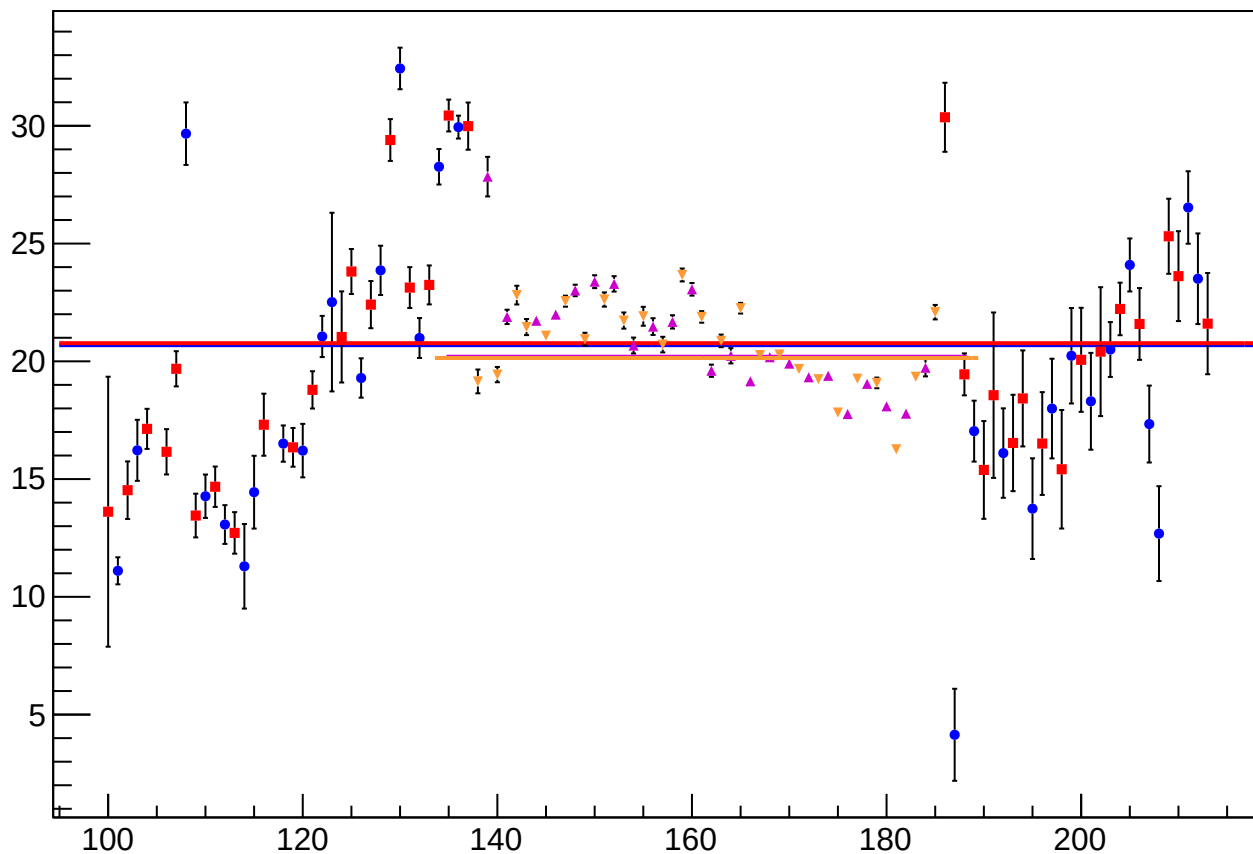
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -2.049 ± 0.050 χ^2/NDF : 19320.4/54

All: -2.084 ± 0.035 χ^2/NDF : 40035.3/111

- sign -2.119 ± 0.049 χ^2/NDF : 20714.0/56

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.686 $\pm$ 0.191 χ^2 /NDF: 1357.1/29

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF:1419.1/24

Right Out: 20.770 $\pm$ 0.191 χ^2 /NDF: 800.6/33

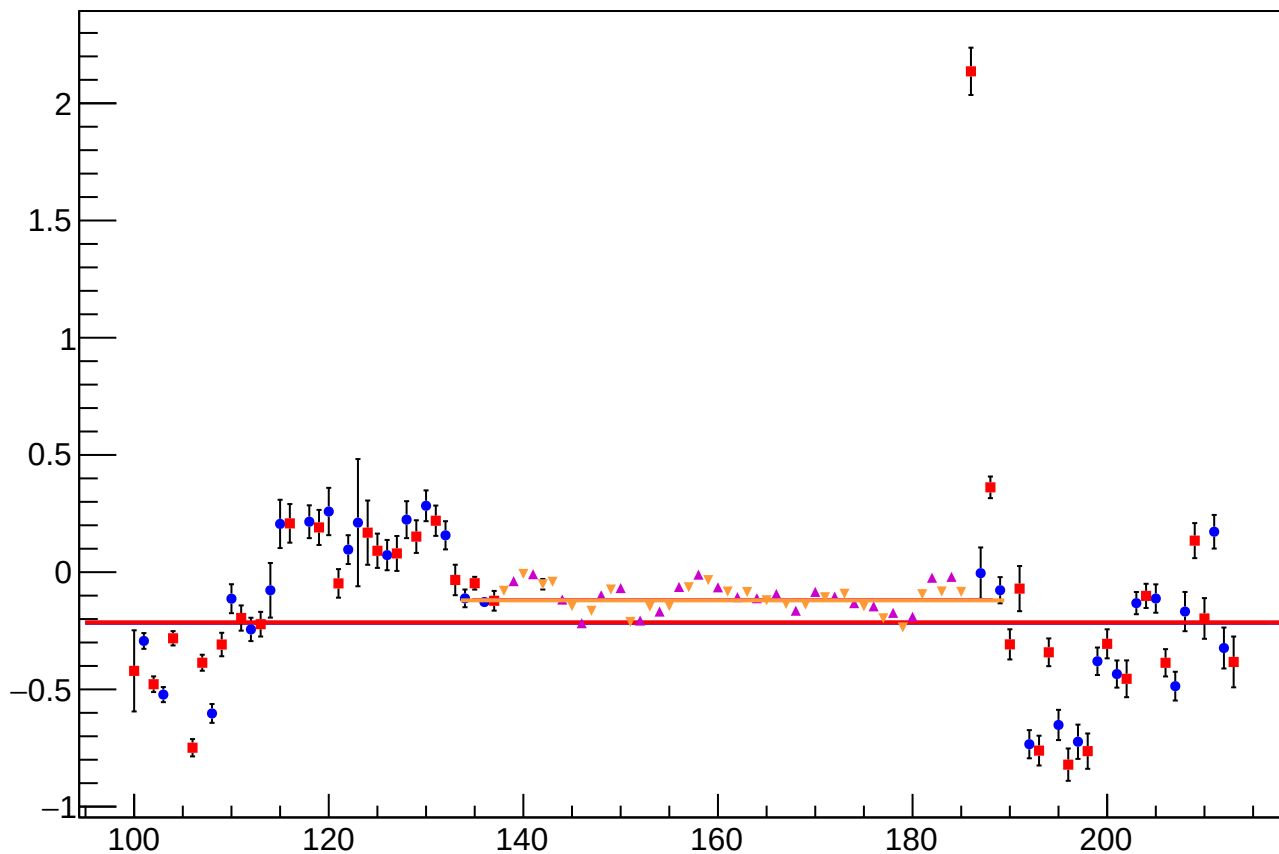
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

+ sign 20.171 $\pm$ 0.045 χ^2 /NDF: 2783.9/54

All: 20.198 $\pm$ 0.032 χ^2 /NDF: 5041.2/111

- sign 20.225 $\pm$ 0.045 χ^2 /NDF: 2256.5/56

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.216 ± 0.009 χ^2/NDF : 729.0/29

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.214 ± 0.009 χ^2/NDF : 1494.7/33

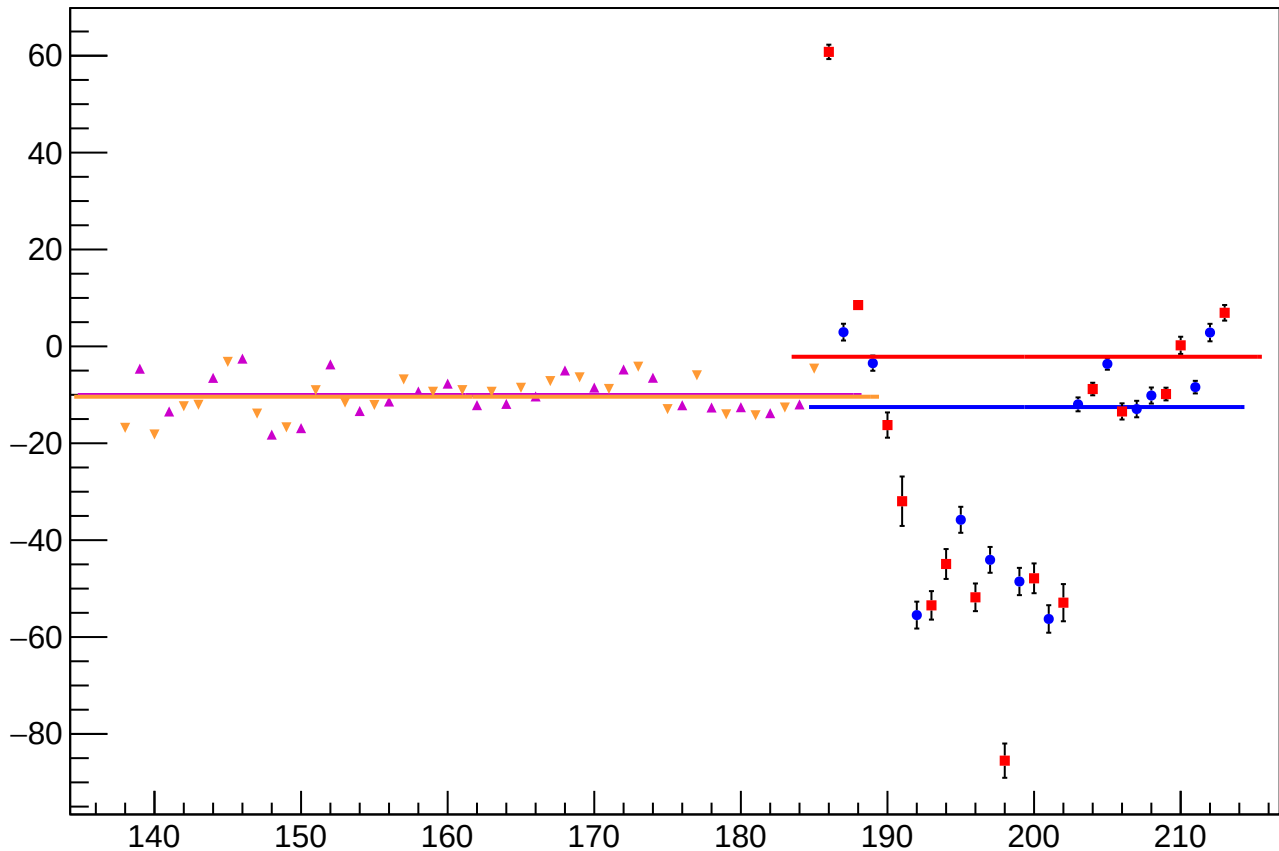
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.125 ± 0.002 χ^2/NDF : 1356.1/54

All: -0.124 ± 0.001 χ^2/NDF : 3674.0/111

- sign -0.123 ± 0.002 χ^2/NDF : 2317.7/56

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -12.522 ± 0.488 $\chi^2/\text{NDF}: 1109.2/12$

Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$

Right Out: -2.140 ± 0.455 $\chi^2/\text{NDF}: 3900.2/14$

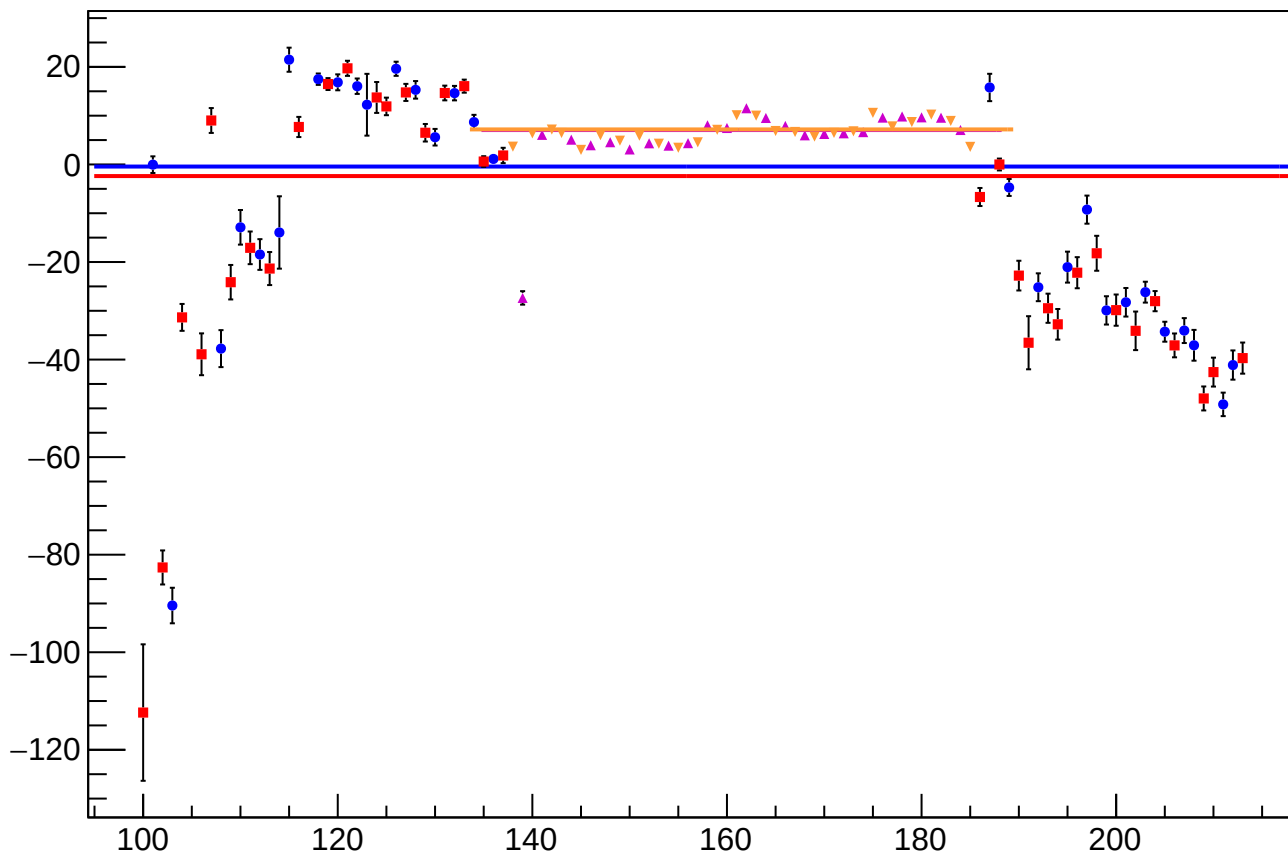
Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.458 ± 0.086 $\chi^2/\text{NDF}: 3239.2/37$

All: -10.105 ± 0.062 $\chi^2/\text{NDF}: 9221.6/75$

- sign -9.742 ± 0.088 $\chi^2/\text{NDF}: 5948.6/37$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -0.429 ± 0.352 χ^2/NDF : 3400.9/29

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: -2.381 ± 0.360 χ^2/NDF : 3375.0/33

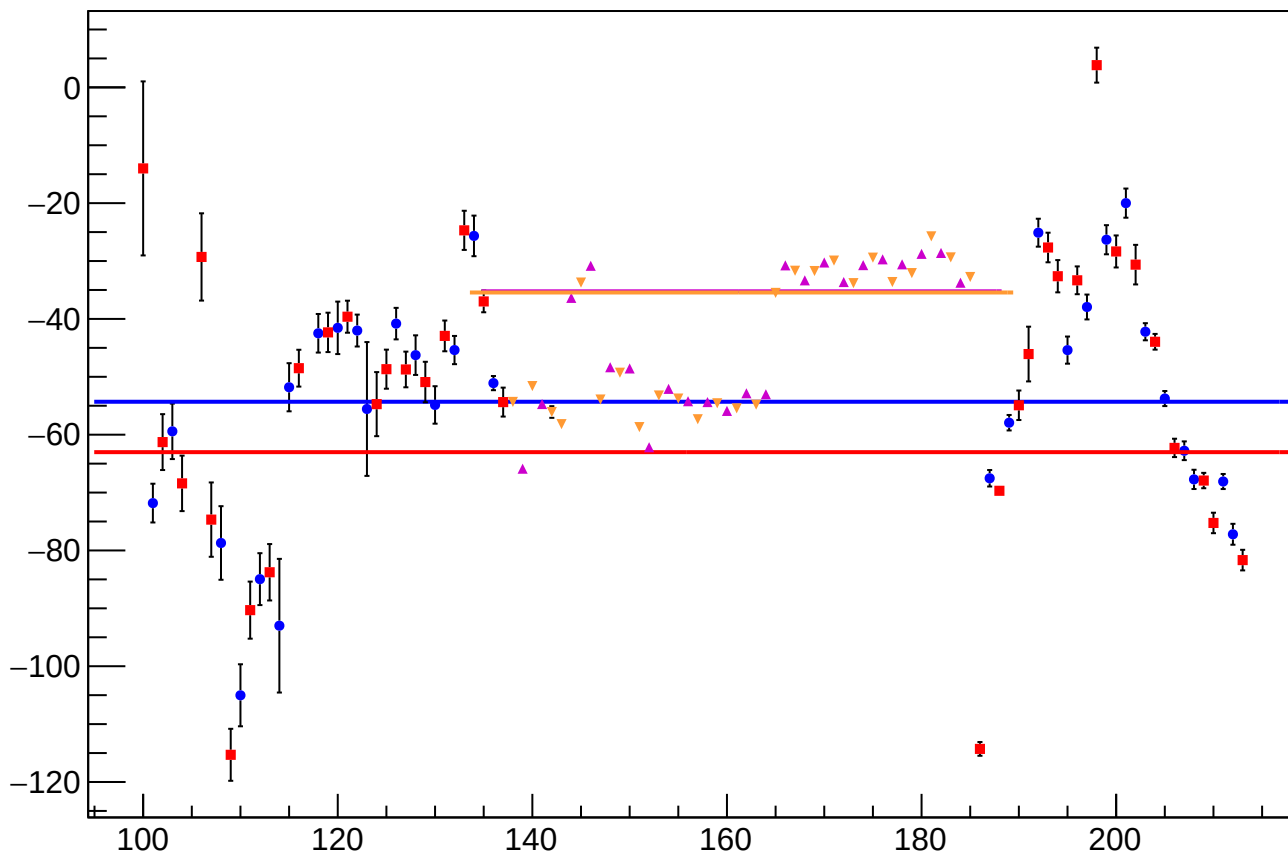
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 6.866 ± 0.072 χ^2/NDF : 4766.2/54

All: 6.768 ± 0.051 χ^2/NDF : 10340.4/111

- sign 6.668 ± 0.073 χ^2/NDF : 5570.4/56

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -54.310 ± 0.394 $\chi^2/\text{NDF}: 1403.1/29$

Left Out: -35.434 ± 0.089 $\chi^2/\text{NDF}: 12782.8/24$

Right Out: -63.018 ± 0.366 $\chi^2/\text{NDF}: 4340.0/33$

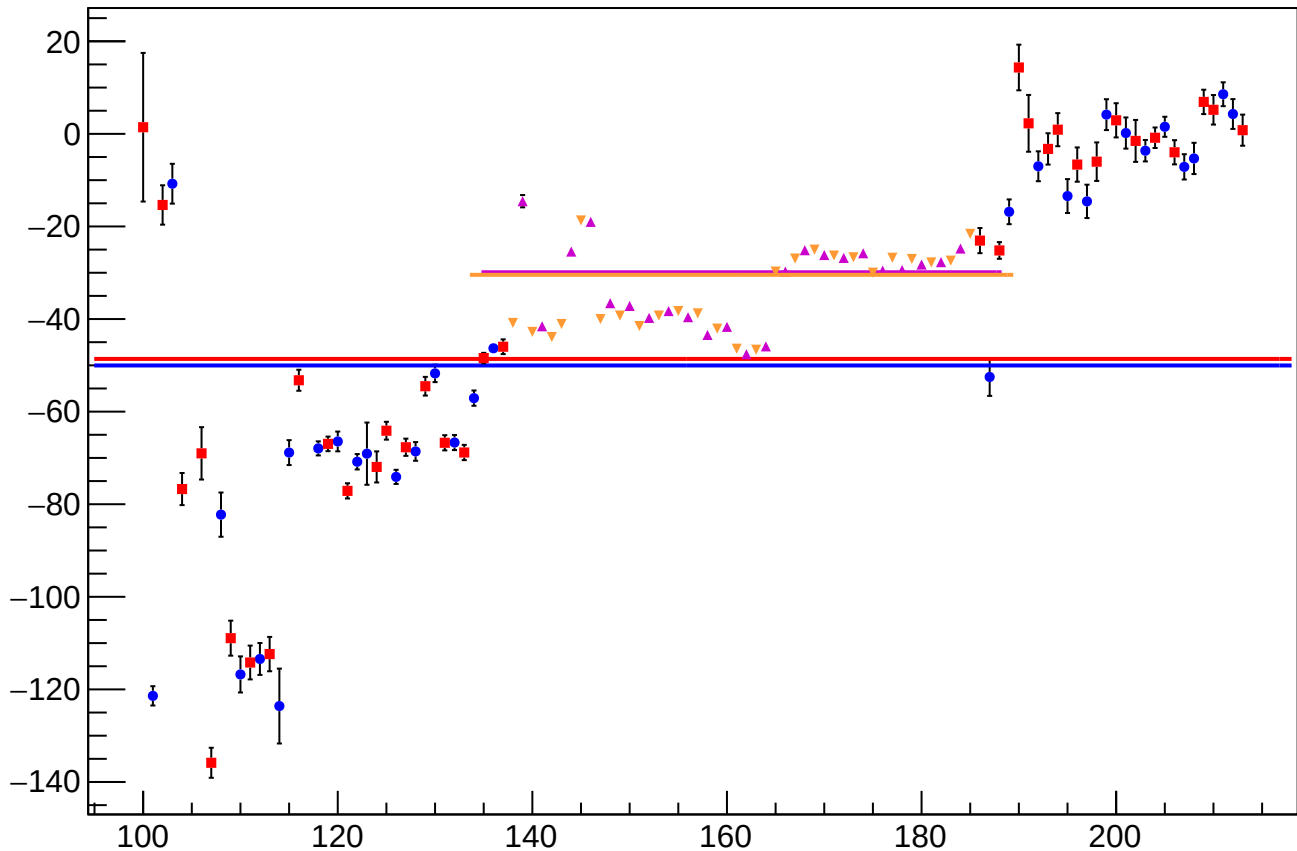
Left In: -35.229 ± 0.090 $\chi^2/\text{NDF}: 11602.9/22$

+ sign -36.351 ± 0.087 $\chi^2/\text{NDF}: 16370.9/54$

All: -36.584 ± 0.062 $\chi^2/\text{NDF}: 37772.9/111$

- sign -36.820 ± 0.087 $\chi^2/\text{NDF}: 21387.6/56$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -50.029 $\pm$ 0.394 χ^2 /NDF: 6112.5/29

Left Out: -30.448 $\pm$ 0.082 χ^2 /NDF: 8167.7/24

Right Out: -48.612 $\pm$ 0.412 χ^2 /NDF: 5787.1/33

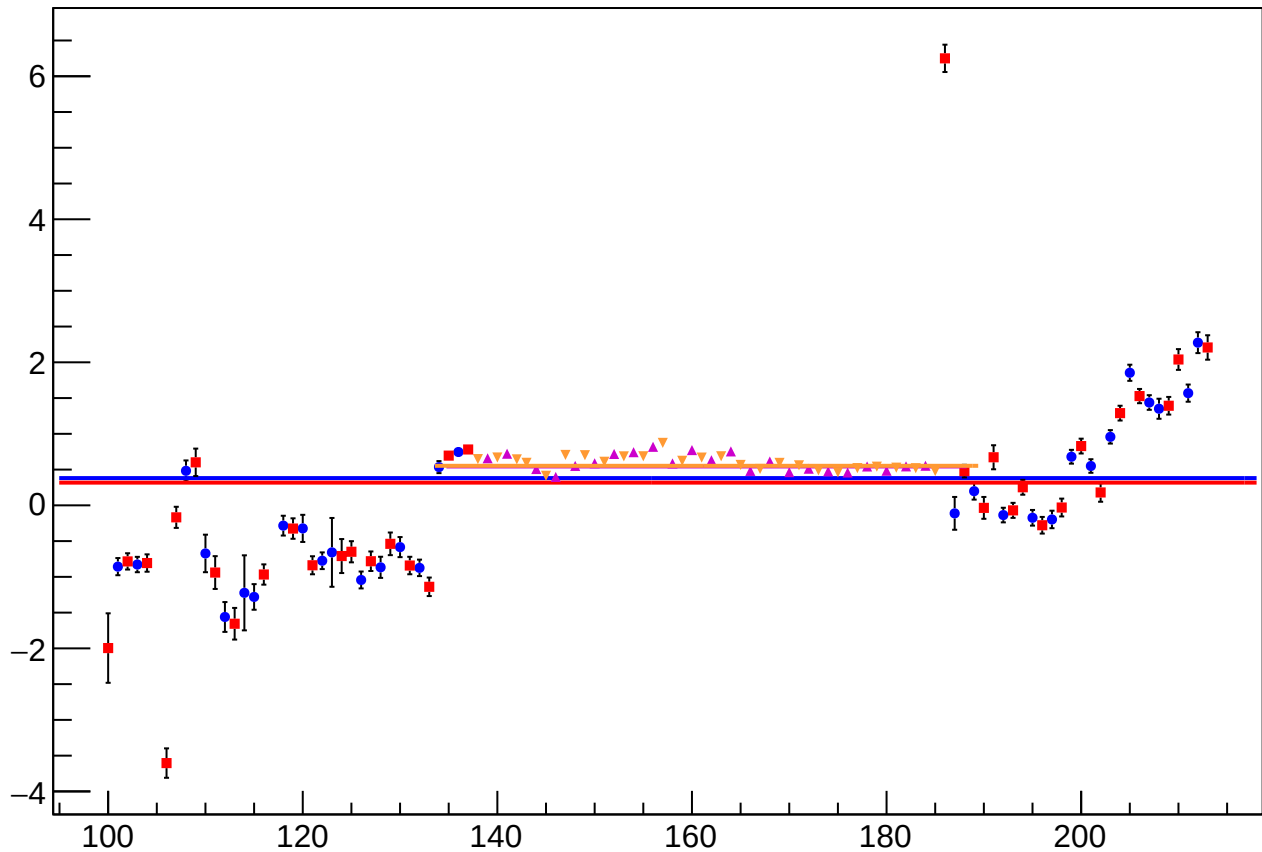
Left In: -29.892 $\pm$ 0.083 χ^2 /NDF: 7115.0/22

+ sign -31.253 $\pm$ 0.080 χ^2 /NDF: 16651.3/54

All: -30.938 $\pm$ 0.057 χ^2 /NDF: 31567.1/111

- sign -30.614 $\pm$ 0.081 χ^2 /NDF: 14884.2/56

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.381 ± 0.019 χ^2/NDF : 1798.8/29

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.318 ± 0.020 χ^2/NDF : 2987.9/33

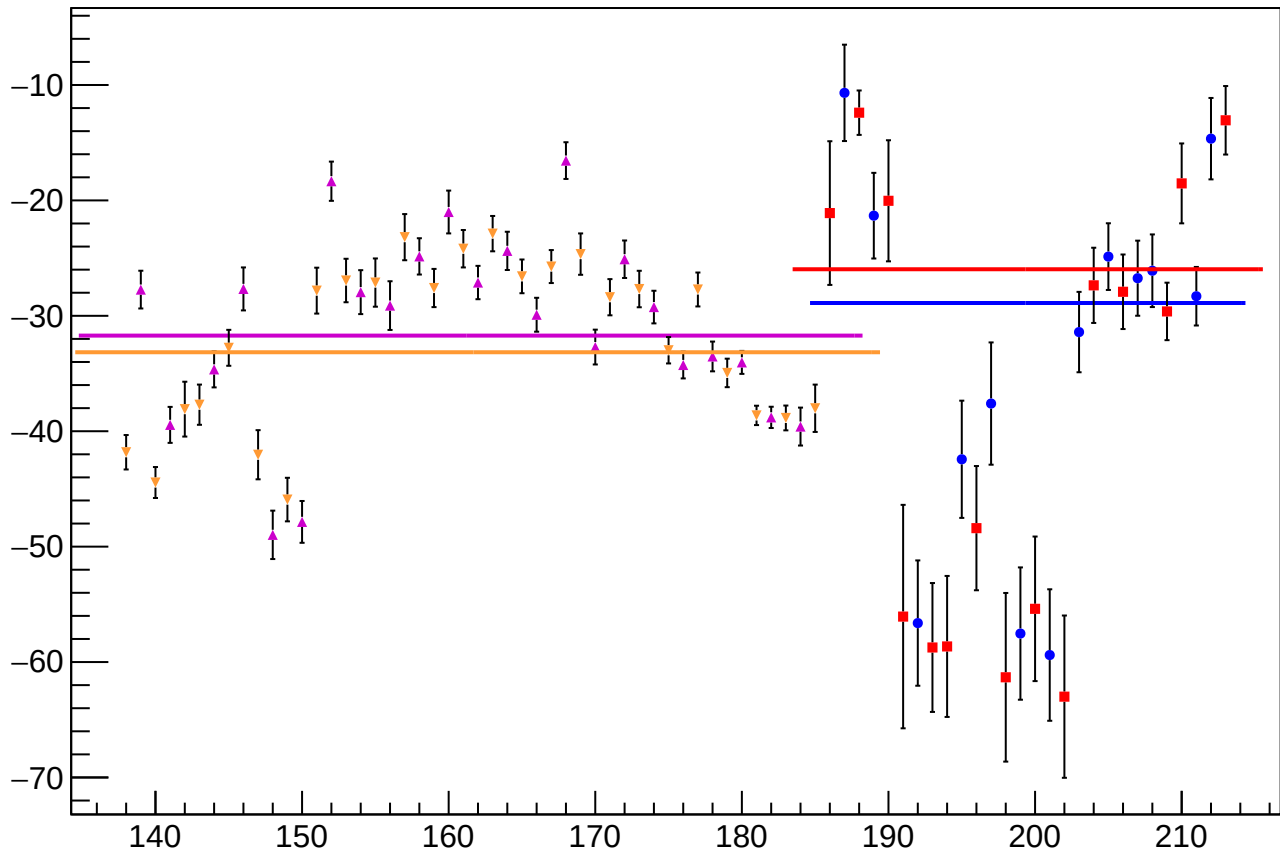
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.547 ± 0.004 χ^2/NDF : 2418.7/54

All: 0.541 ± 0.003 χ^2/NDF : 6189.6/111

- sign 0.536 ± 0.004 χ^2/NDF : 3766.7/56

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -28.889 ± 1.035 χ^2/NDF : 132.8/12

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -25.965 ± 0.976 χ^2/NDF : 241.2/14

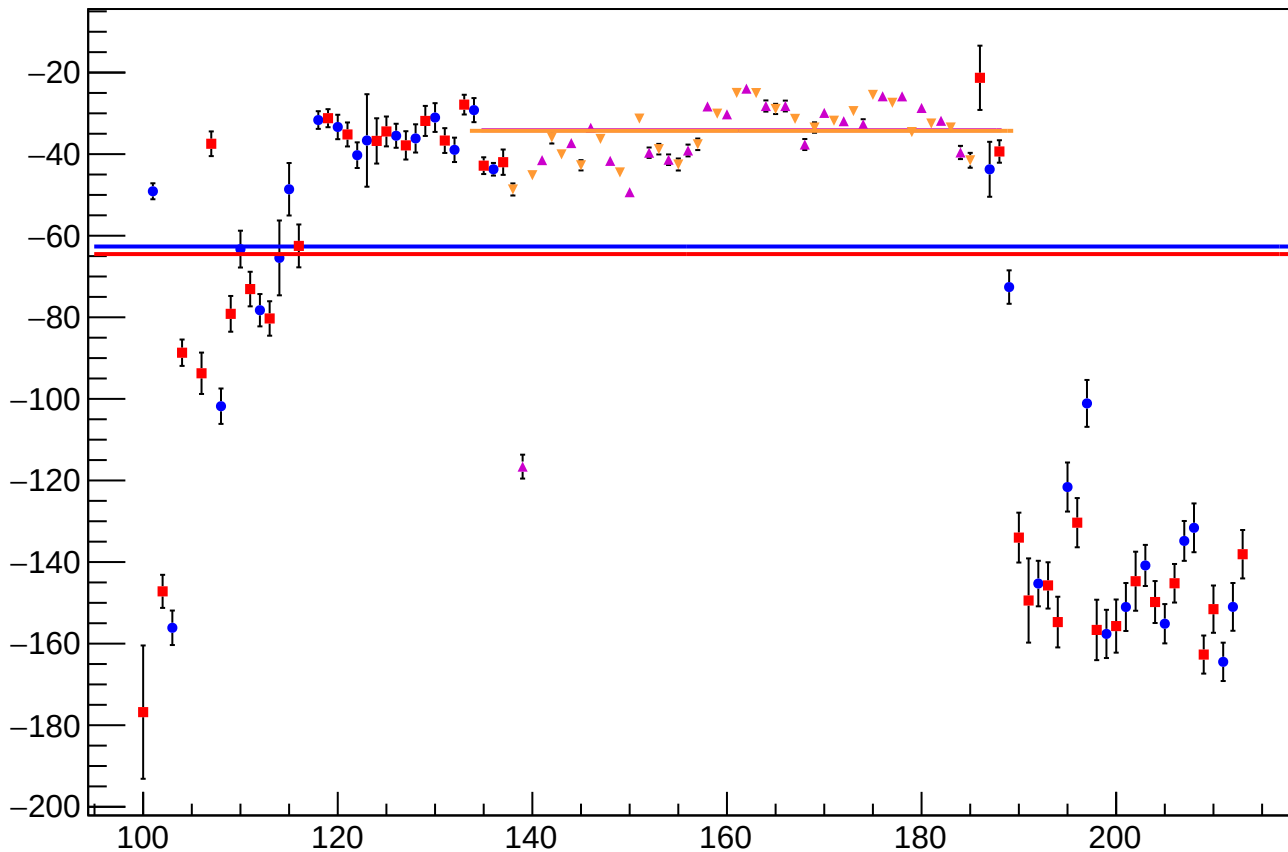
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -32.826 ± 0.288 χ^2/NDF : 648.5/37

All: -32.026 ± 0.206 χ^2/NDF : 1479.2/75

- sign -31.191 ± 0.295 χ^2/NDF : 814.9/37

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -62.647 ± 0.655 $\chi^2/\text{NDF}: 4074.6/29$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -64.503 ± 0.670 $\chi^2/\text{NDF}: 4400.5/33$

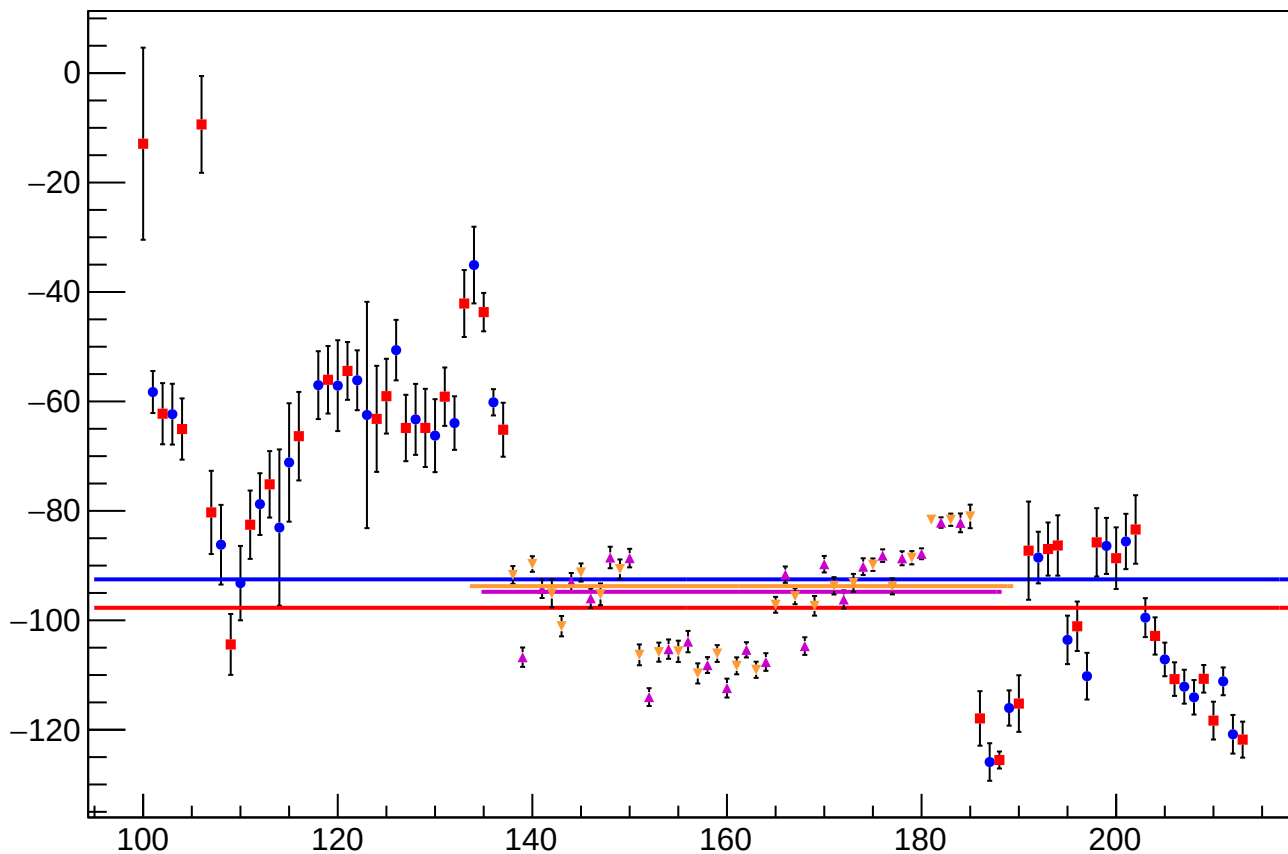
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -37.679 ± 0.227 $\chi^2/\text{NDF}: 6419.7/54$

All: -37.774 ± 0.163 $\chi^2/\text{NDF}: 14073.5/111$

- sign -37.875 ± 0.235 $\chi^2/\text{NDF}: 7653.4/56$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -92.517 ± 0.788 $\chi^2/\text{NDF}: 1000.2/29$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -97.713 ± 0.754 $\chi^2/\text{NDF}: 1370.9/33$

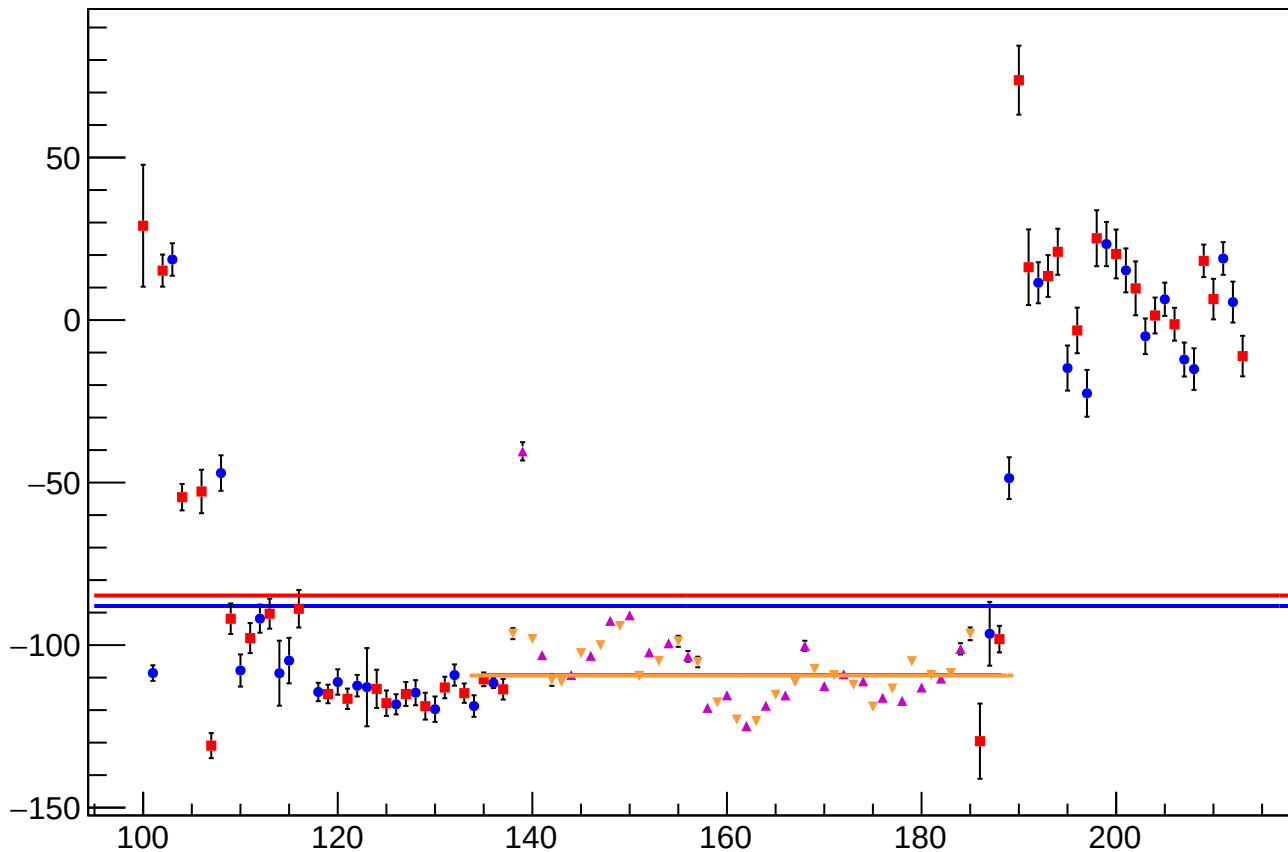
Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

+ sign -93.596 ± 0.282 $\chi^2/\text{NDF}: 1885.4/54$

All: -94.395 ± 0.201 $\chi^2/\text{NDF}: 4260.1/111$

- sign -95.215 ± 0.285 $\chi^2/\text{NDF}: 2358.4/56$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -87.964 ± 0.738 χ^2/NDF : 3927.8/29

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -84.735 ± 0.767 χ^2/NDF : 4233.7/33

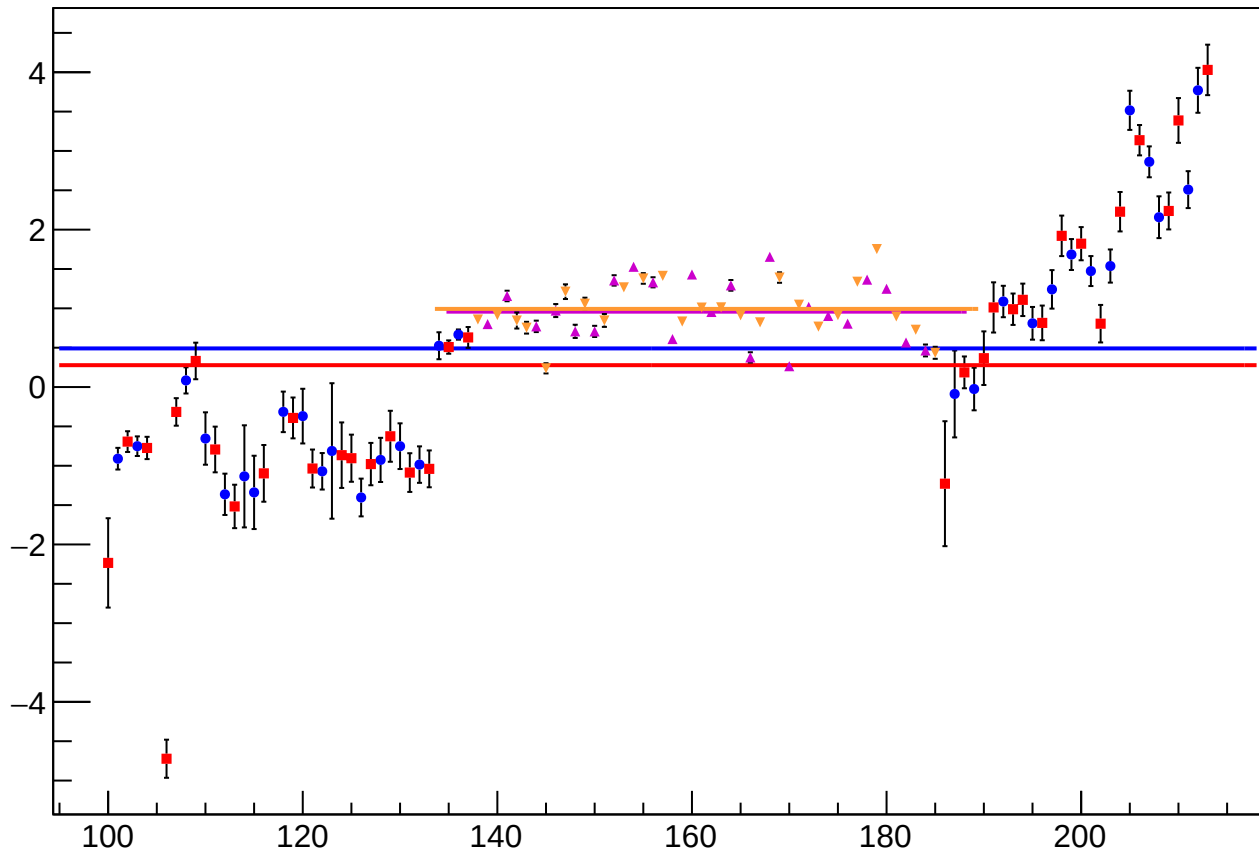
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -106.808 ± 0.255 χ^2/NDF : 5493.9/54

All: -106.567 ± 0.183 χ^2/NDF : 12127.8/111

- sign -106.309 ± 0.263 χ^2/NDF : 6632.0/56

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.491 ± 0.035 χ^2/NDF : 1162.6/29

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: 0.278 ± 0.036 χ^2/NDF : 1553.4/33

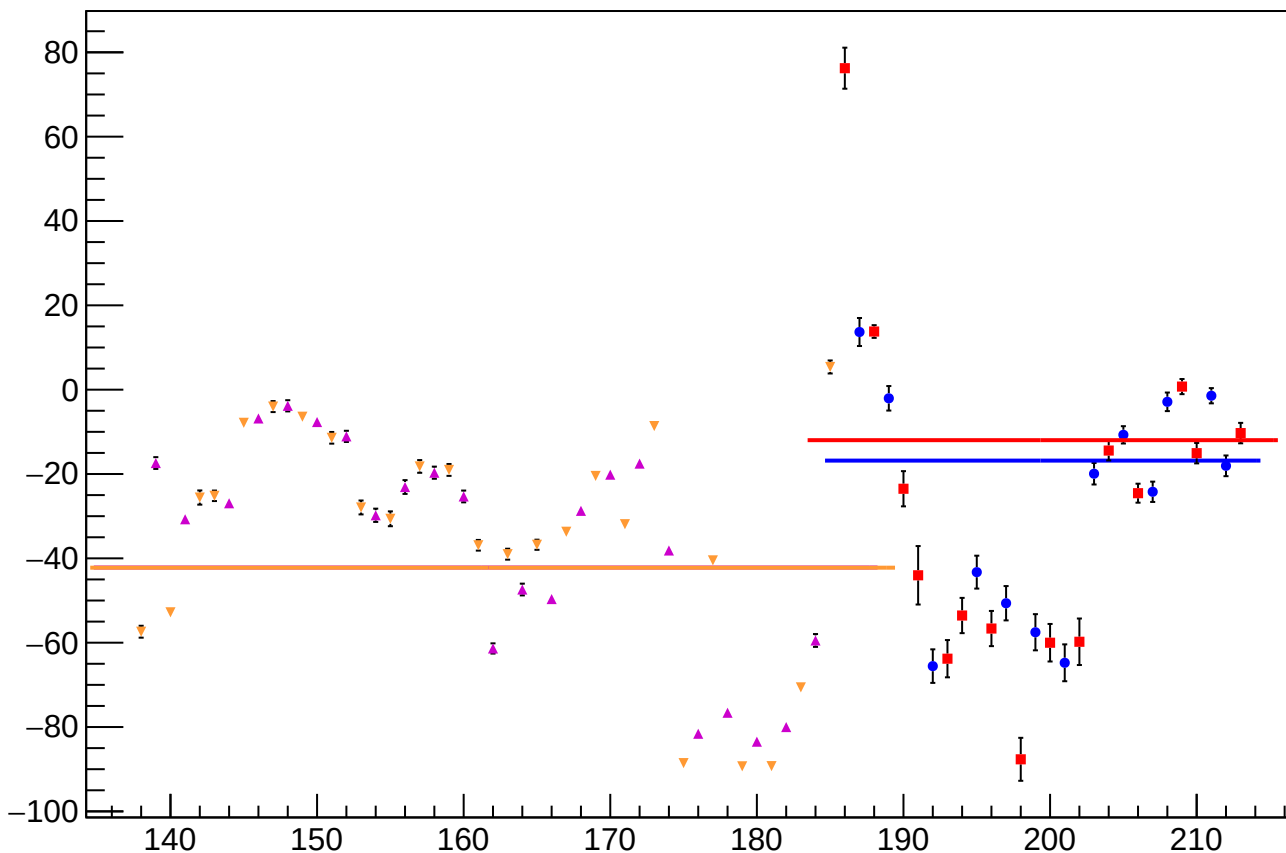
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.938 ± 0.012 χ^2/NDF : 1981.5/54

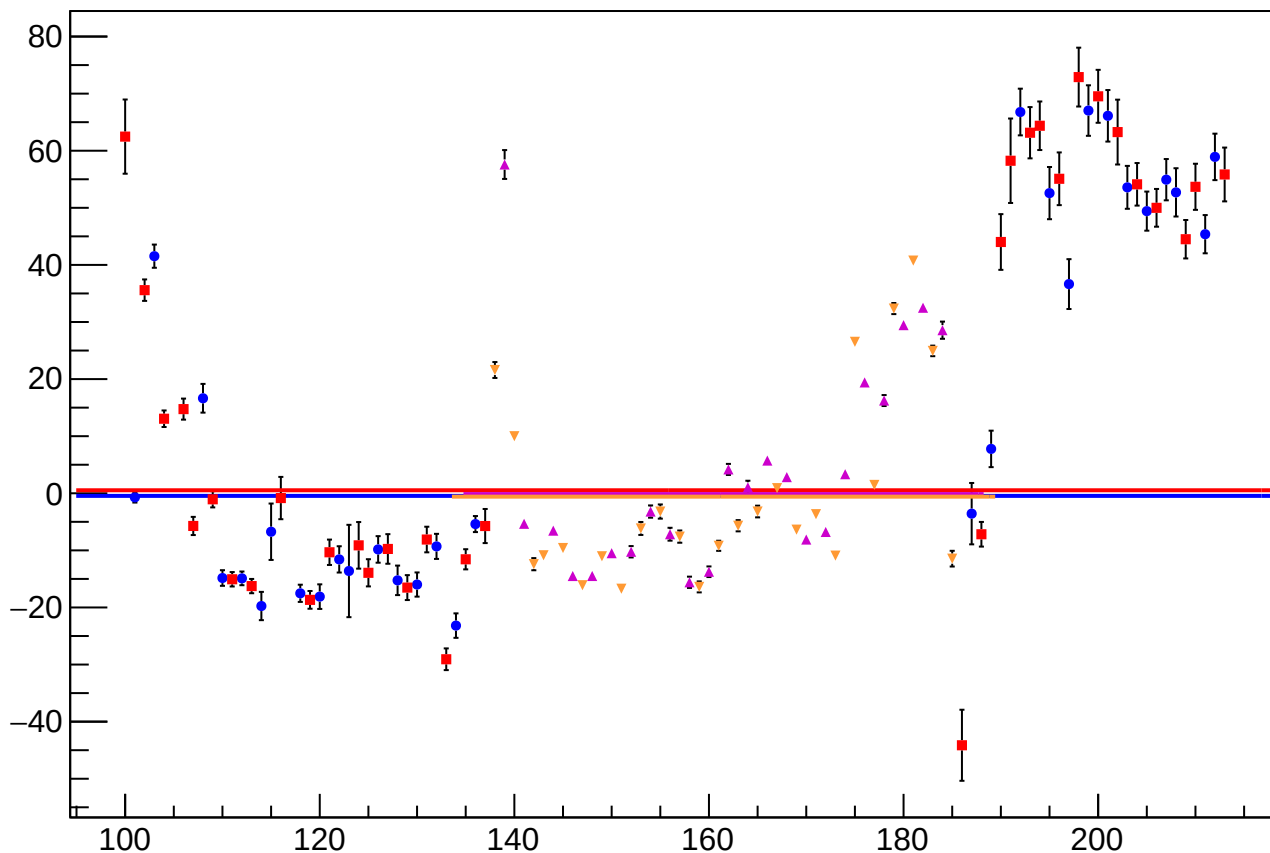
All: 0.911 ± 0.008 χ^2/NDF : 4756.0/111

- sign 0.883 ± 0.012 χ^2/NDF : 2764.0/56

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -0.455 ± 0.401 χ^2/NDF : 3402.6/29

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: 0.527 ± 0.397 χ^2/NDF : 3743.4/33

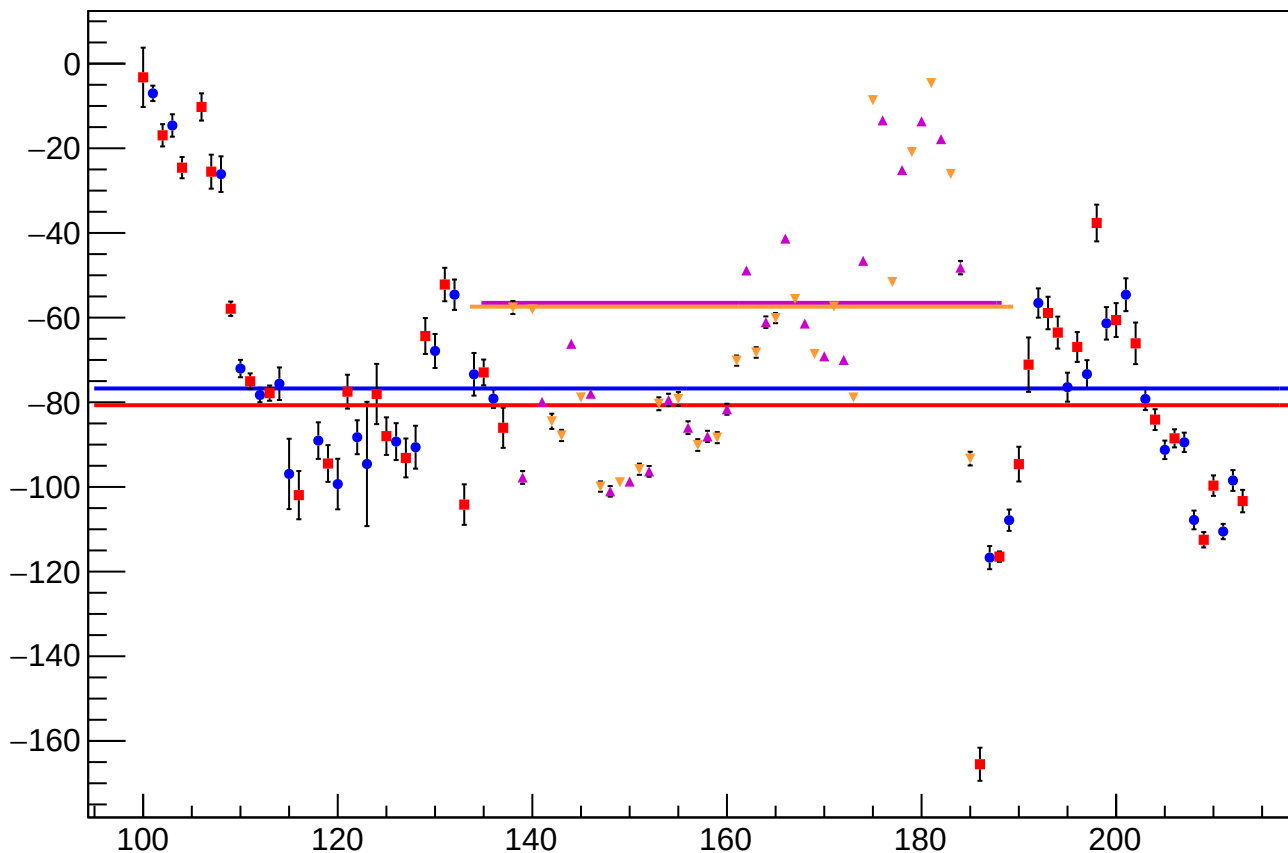
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -0.568 ± 0.160 χ^2/NDF : 12153.6/54

All: -0.304 ± 0.114 χ^2/NDF : 22767.4/111

- sign -0.028 ± 0.163 χ^2/NDF : 10608.2/56

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -76.737 $\pm$ 0.520 χ^2/NDF : 3423.2/29

Left Out: -57.413 $\pm$ 0.223 χ^2/NDF : 18604.1/24

Right Out: -80.697 $\pm$ 0.487 χ^2/NDF : 4209.1/33

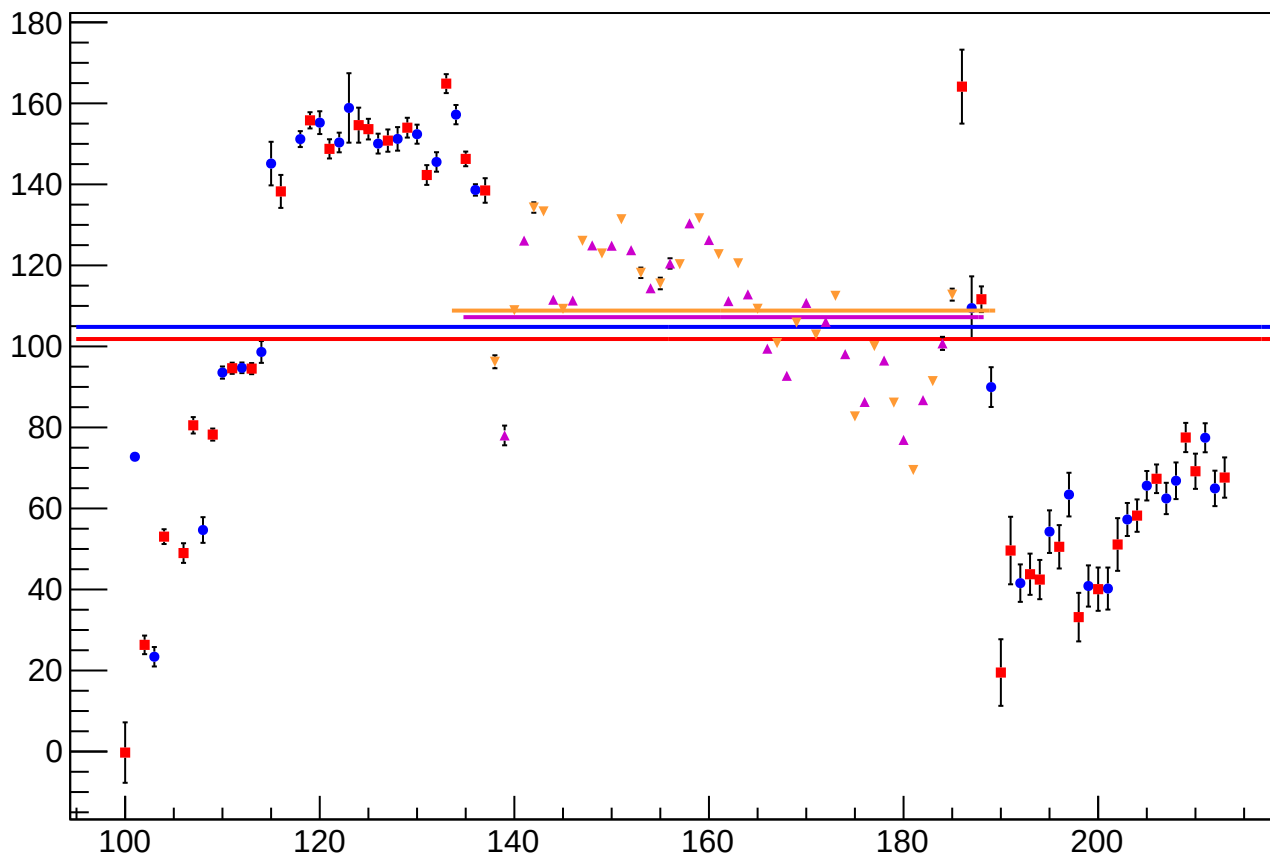
Left In: -56.519 $\pm$ 0.227 χ^2/NDF : 16352.6/22

+ sign -60.421 $\pm$ 0.205 χ^2/NDF : 23194.1/54

All: -60.626 $\pm$ 0.145 χ^2/NDF : 45780.2/111

- sign -60.831 $\pm$ 0.206 χ^2/NDF : 22584.1/56

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 104.815 $\pm$ 0.456 χ^2 /NDF: 7275.2/29

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 101.826 $\pm$ 0.454 χ^2 /NDF: 8420.9/33

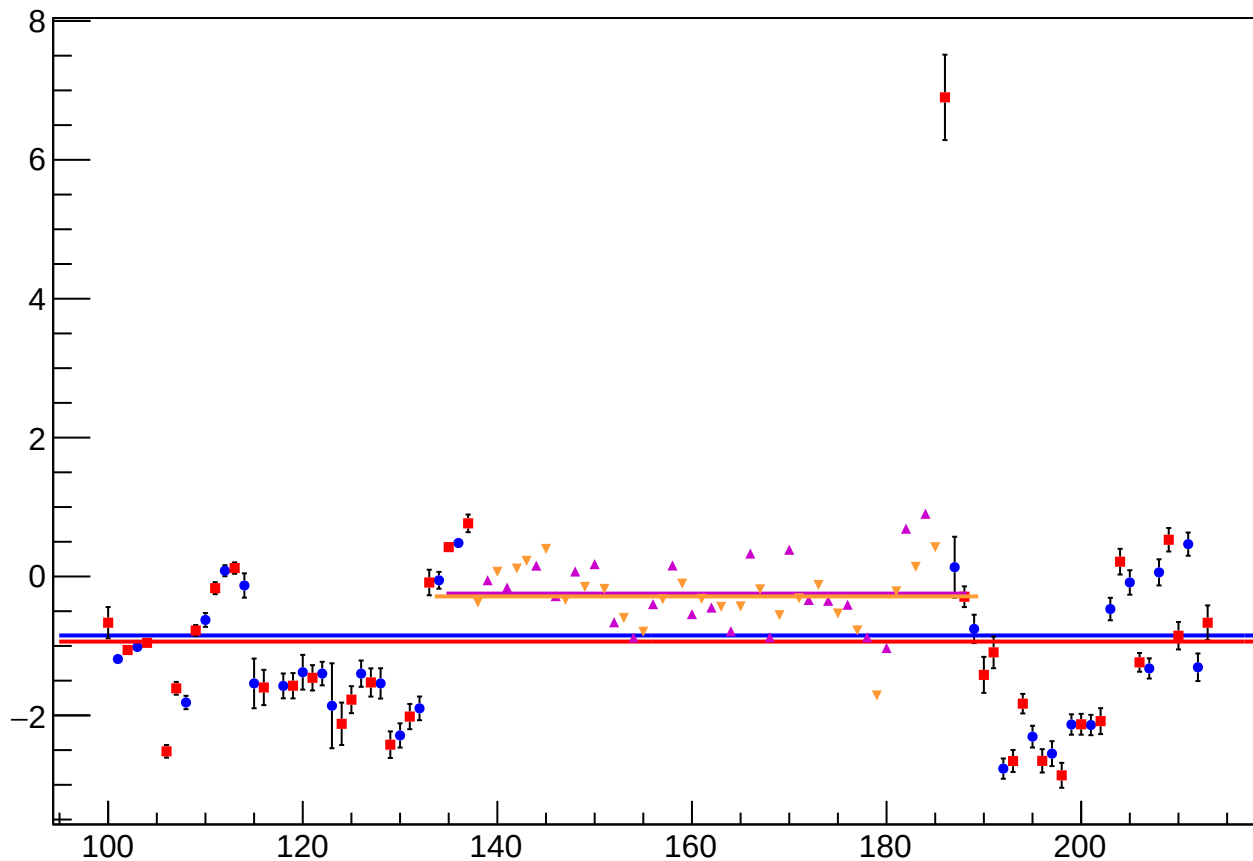
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.212 $\pm$ 0.181 χ^2 /NDF: 14741.1/54

All: 107.290 $\pm$ 0.129 χ^2 /NDF: 28898.0/111

- sign 106.330 $\pm$ 0.185 χ^2 /NDF: 14104.1/56

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.849 ± 0.023 χ^2/NDF : 1659.3/29

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.937 ± 0.022 χ^2/NDF : 2112.1/33

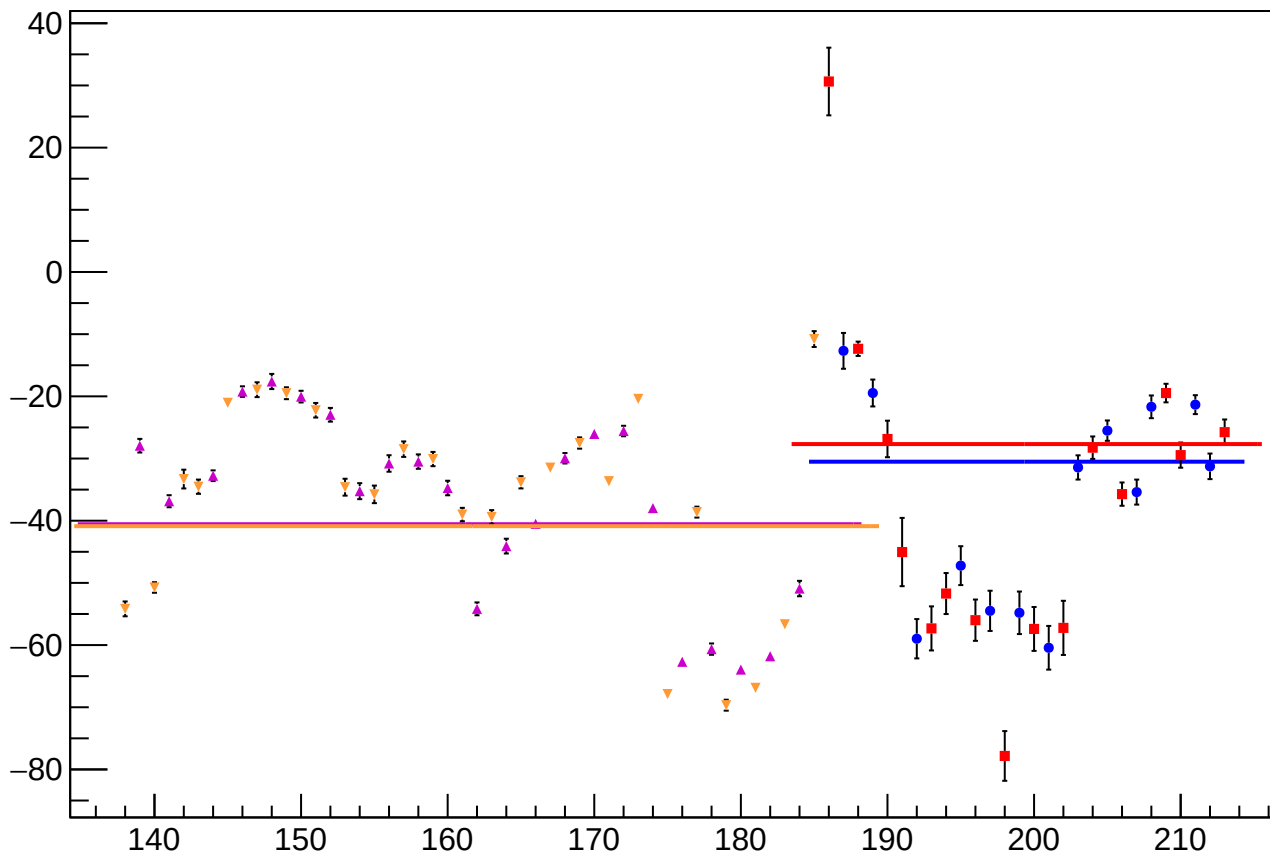
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.365 ± 0.008 χ^2/NDF : 4242.5/54

All: -0.359 ± 0.006 χ^2/NDF : 10015.6/111

- sign -0.354 ± 0.009 χ^2/NDF : 5772.4/56

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -30.509 ± 0.614 χ^2/NDF : 427.4/12

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -27.676 ± 0.586 χ^2/NDF : 821.6/14

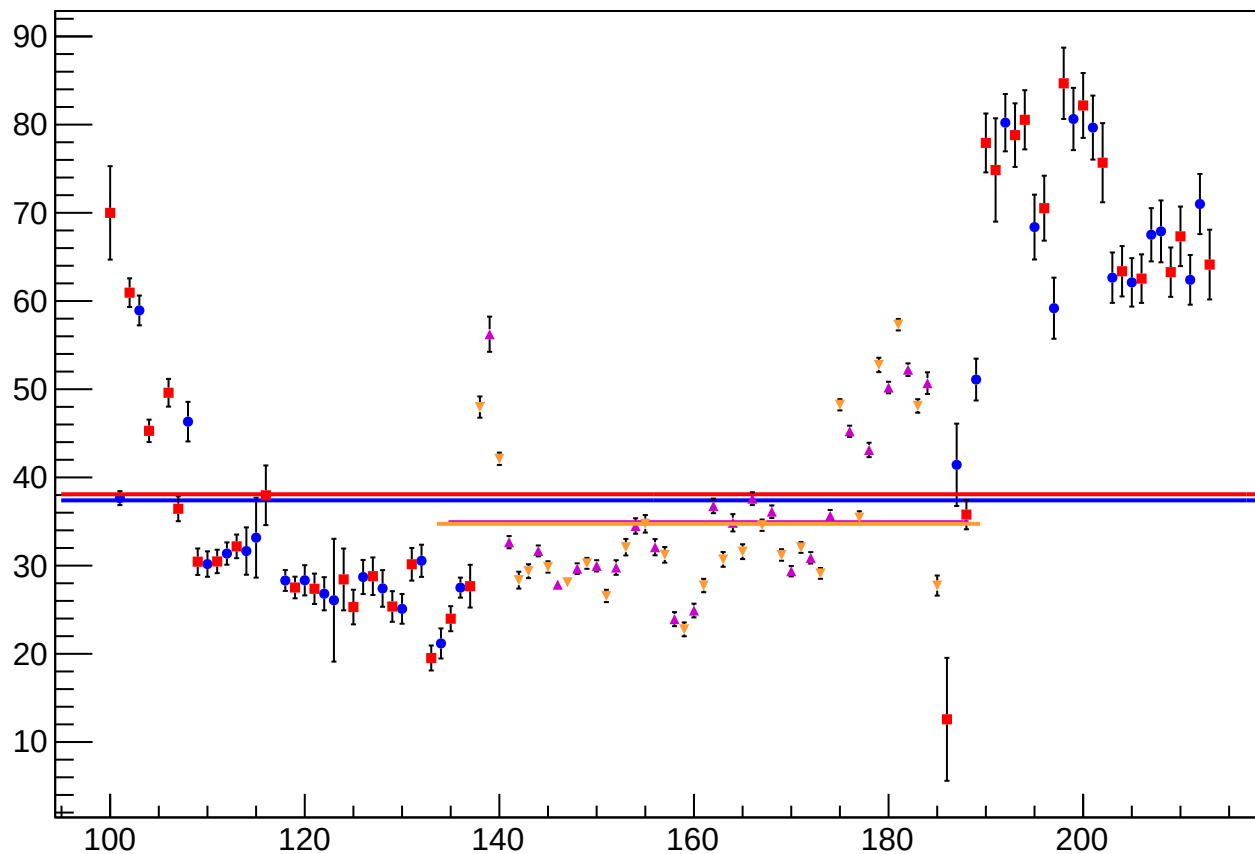
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.007 ± 0.178 χ^2/NDF : 9811.7/37

All: -39.679 ± 0.127 χ^2/NDF : 18033.3/75

- sign -39.341 ± 0.181 χ^2/NDF : 8214.7/37

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 37.398 +/- 0.346 χ^2/NDF : 1744.6/29

Left Out: 34.741 +/- 0.147 χ^2/NDF : 3693.2/24

Right Out: 38.089 +/- 0.345 χ^2/NDF : 2209.5/33

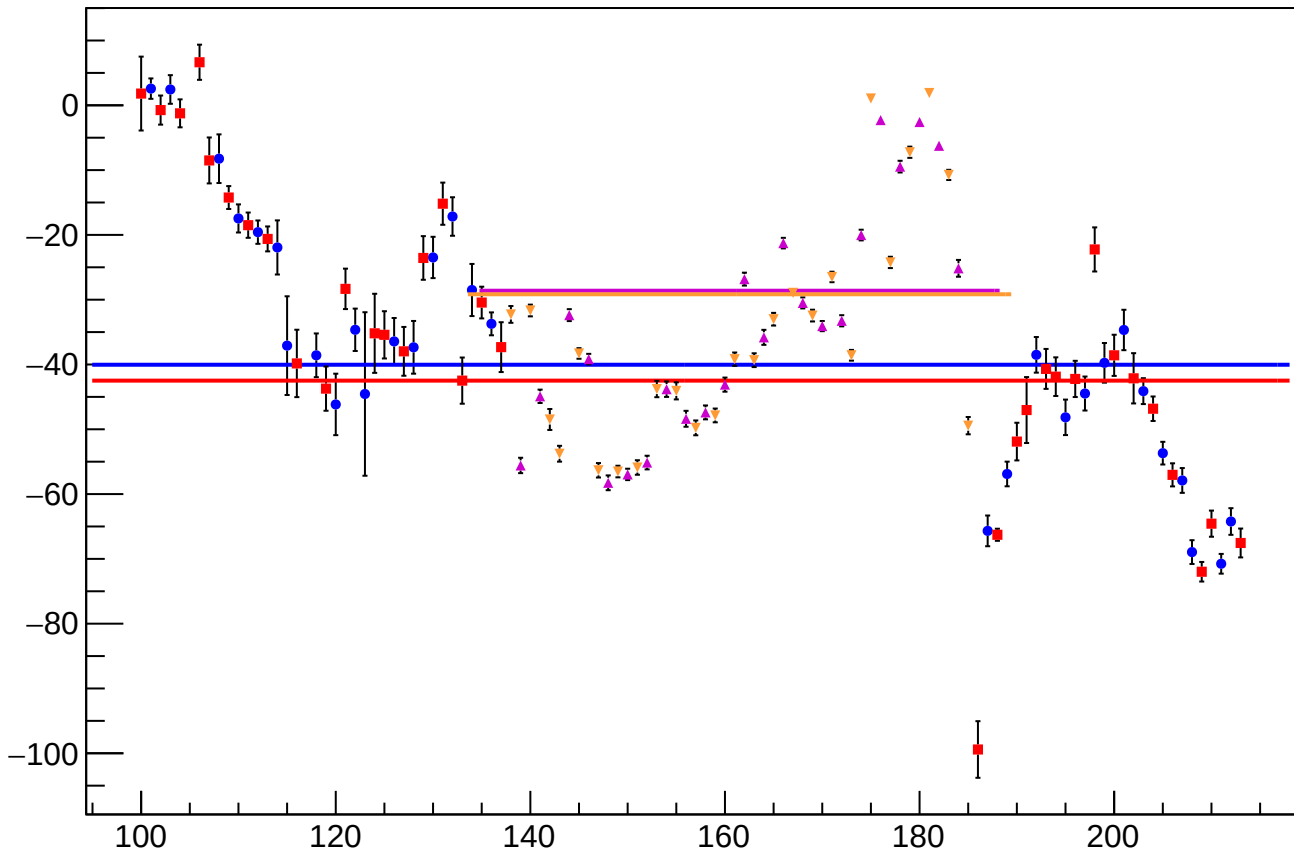
Left In: 34.922 +/- 0.152 χ^2/NDF : 2672.9/22

+ sign 35.150 +/- 0.136 χ^2/NDF : 5487.7/54

All: 35.289 +/- 0.097 χ^2/NDF : 10443.0/111

- sign 35.435 +/- 0.139 χ^2/NDF : 4953.1/56

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -40.040 ± 0.442 $\chi^2/\text{NDF}: 2700.4/29$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -42.491 ± 0.414 $\chi^2/\text{NDF}: 3449.5/33$

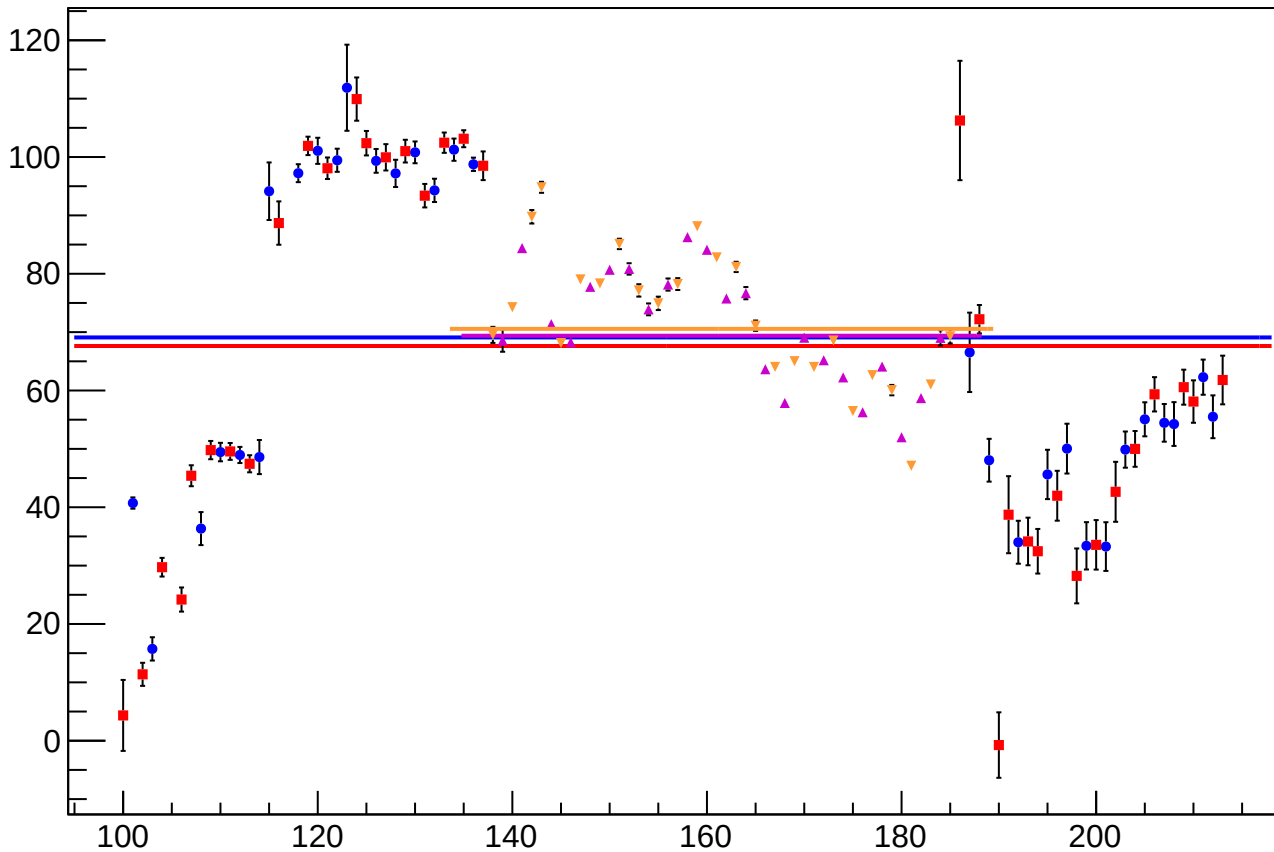
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -30.817 ± 0.172 $\chi^2/\text{NDF}: 13340.8/54$

All: -30.922 ± 0.122 $\chi^2/\text{NDF}: 26760.8/111$

- sign -31.028 ± 0.173 $\chi^2/\text{NDF}: 13419.3/56$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 69.092 $\pm$ 0.395 χ^2 /NDF: 5179.1/29

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 67.625 $\pm$ 0.397 χ^2 /NDF: 6135.2/33

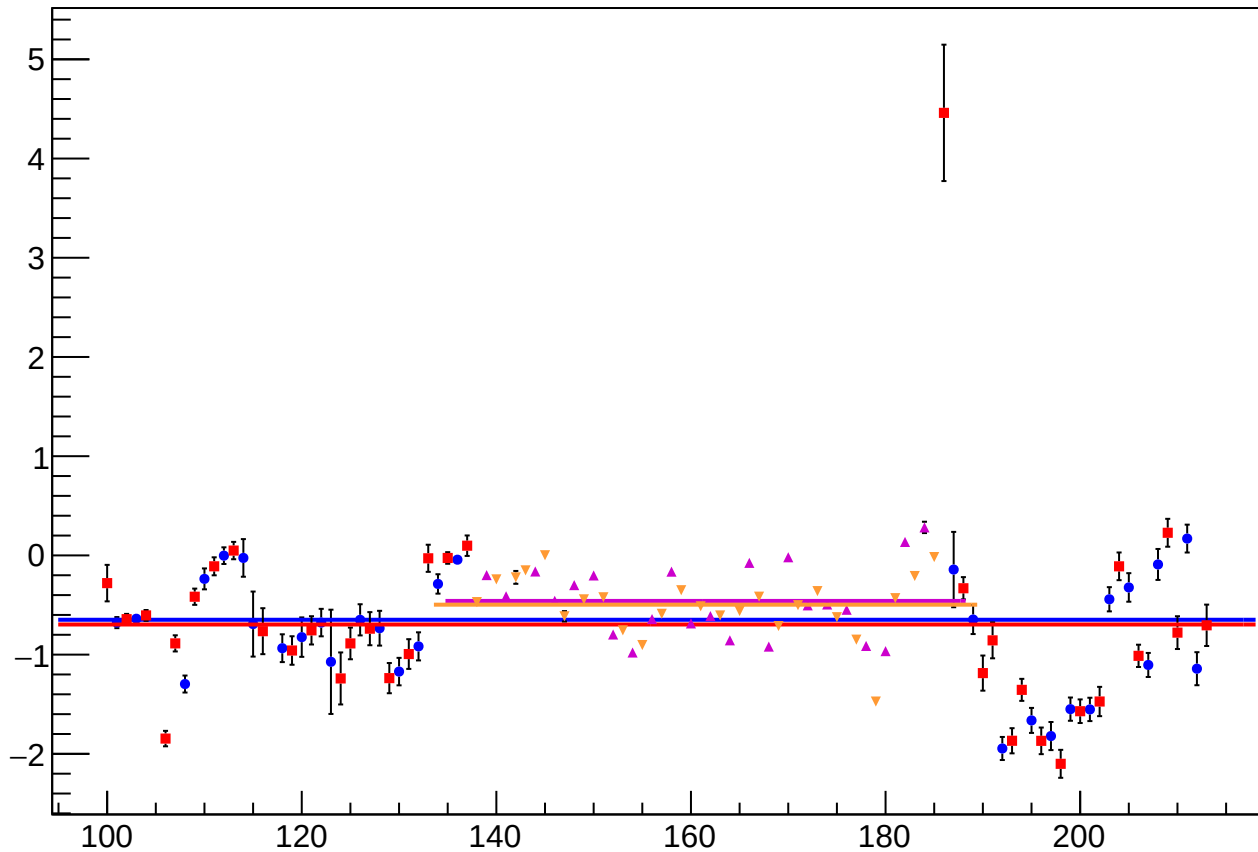
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.342 $\pm$ 0.153 χ^2 /NDF: 9780.0/54

All: 69.741 $\pm$ 0.109 χ^2 /NDF: 19285.1/111

- sign 69.114 $\pm$ 0.156 χ^2 /NDF: 9473.7/56

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.649 ± 0.019 χ^2/NDF : 802.4/29

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.696 ± 0.018 χ^2/NDF : 1121.9/33

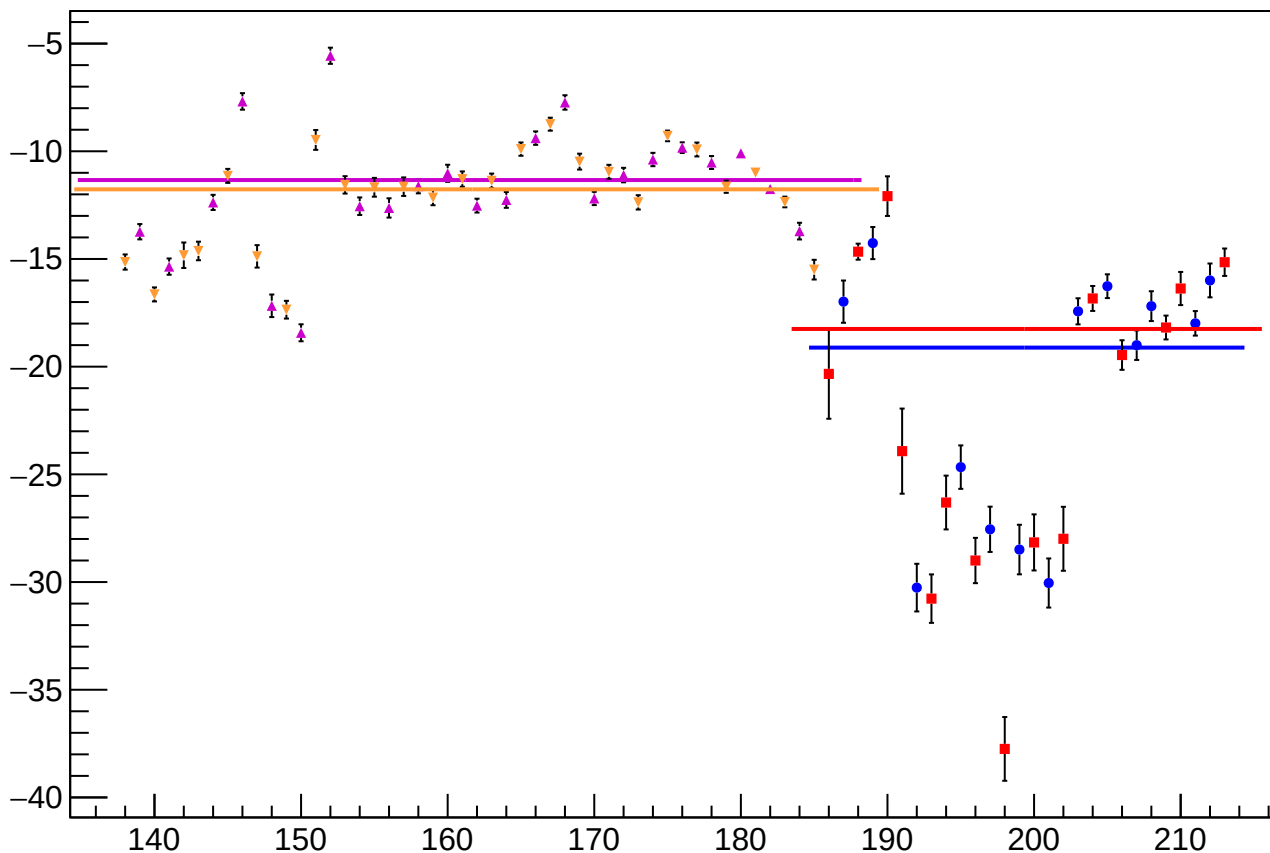
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.517 ± 0.007 χ^2/NDF : 2305.6/54

All: -0.506 ± 0.005 χ^2/NDF : 5531.7/111

- sign -0.494 ± 0.007 χ^2/NDF : 3220.9/56

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -19.115 ± 0.213 χ^2/NDF : 463.3/12

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -18.249 ± 0.199 χ^2/NDF : 730.2/14

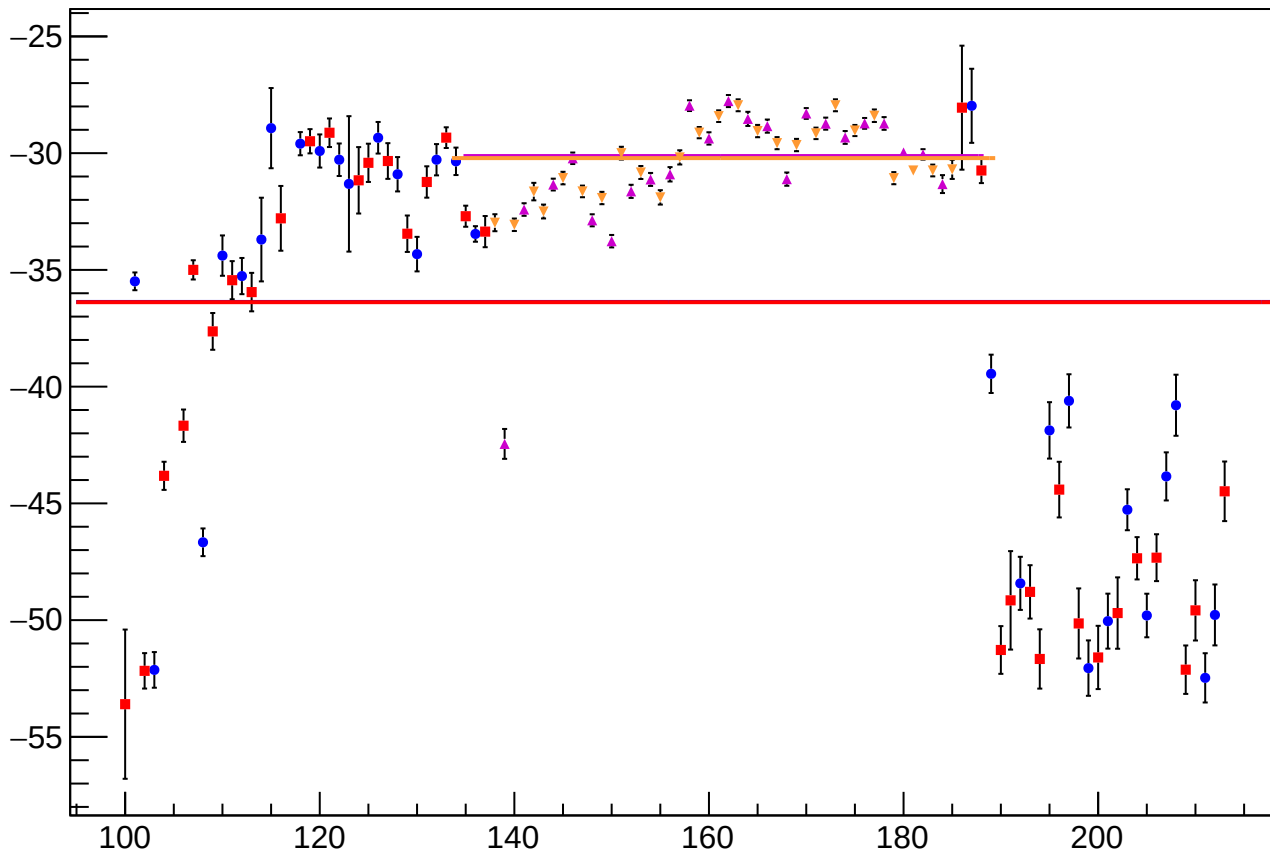
Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.421 ± 0.064 χ^2/NDF : 2565.7/37

All: -12.242 ± 0.045 χ^2/NDF : 5661.6/75

- sign -12.059 ± 0.064 χ^2/NDF : 3079.9/37

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.373 ± 0.136 $\chi^2/\text{NDF}: 2755.2/29$

Left Out: -30.212 ± 0.054 $\chi^2/\text{NDF}: 734.0/24$

Right Out: -36.382 ± 0.133 $\chi^2/\text{NDF}: 3156.7/33$

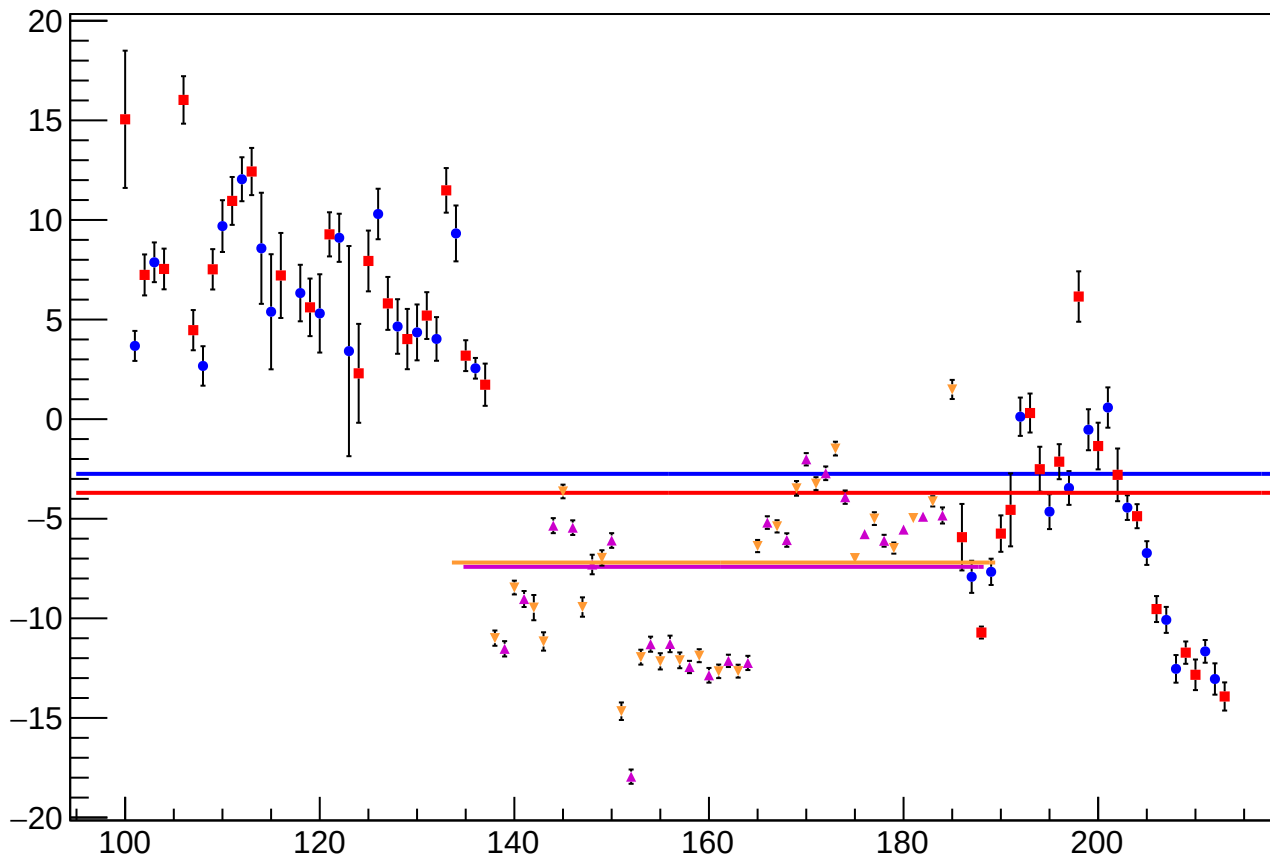
Left In: -30.124 ± 0.056 $\chi^2/\text{NDF}: 1226.2/22$

+ sign -31.050 ± 0.050 $\chi^2/\text{NDF}: 5269.7/54$

All: -31.051 ± 0.036 $\chi^2/\text{NDF}: 11536.3/111$

- sign -31.051 ± 0.051 $\chi^2/\text{NDF}: 6266.6/56$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -2.747 ± 0.163 χ^2/NDF : 1963.9/29

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -3.699 ± 0.152 χ^2/NDF : 3030.8/33

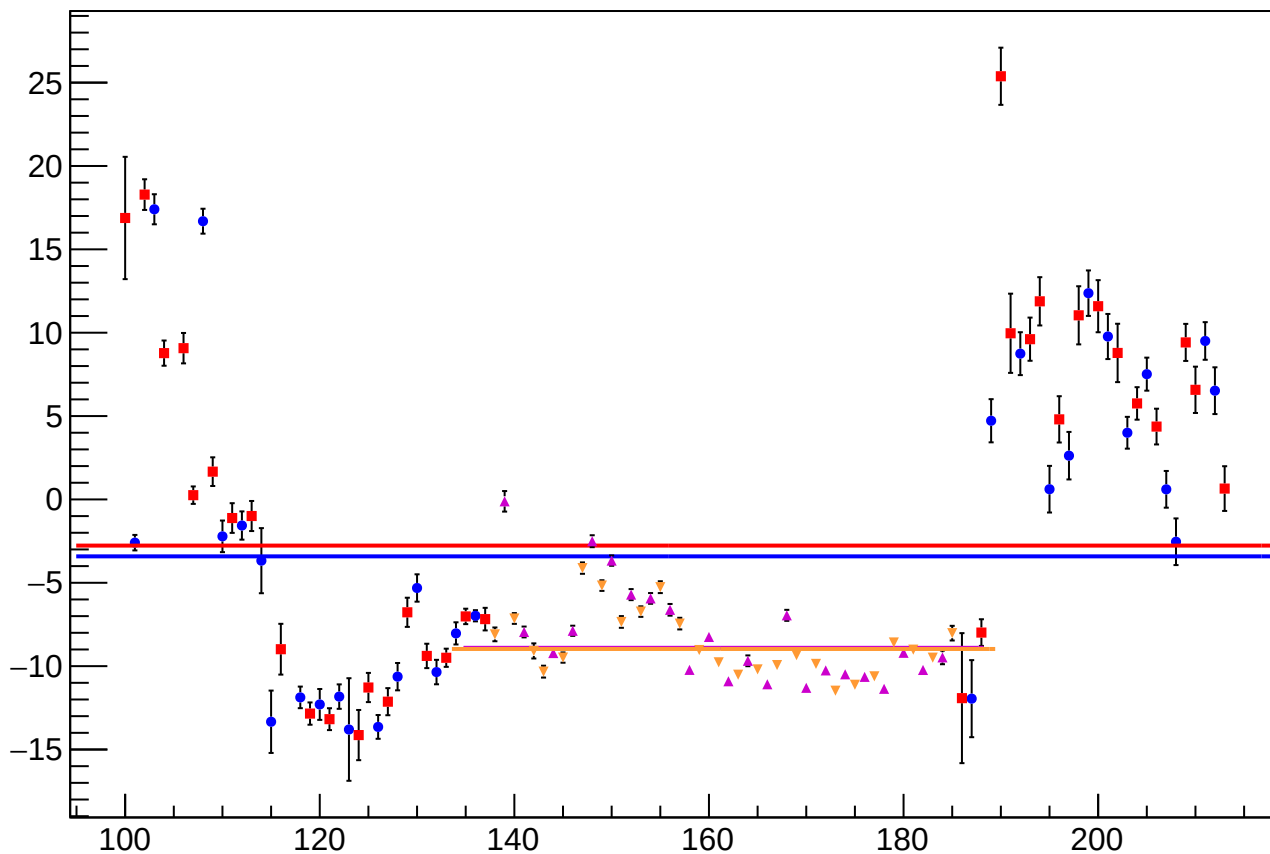
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.556 ± 0.062 χ^2/NDF : 5641.1/54

All: -6.677 ± 0.044 χ^2/NDF : 12300.5/111

- sign -6.798 ± 0.062 χ^2/NDF : 6651.7/56

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.415+/-0.154 χ^2/NDF : 3013.3/29

Left Out: -8.970+/-0.060 χ^2/NDF : 878.8/24

Right Out: -2.769+/-0.154 χ^2/NDF : 3237.1/33

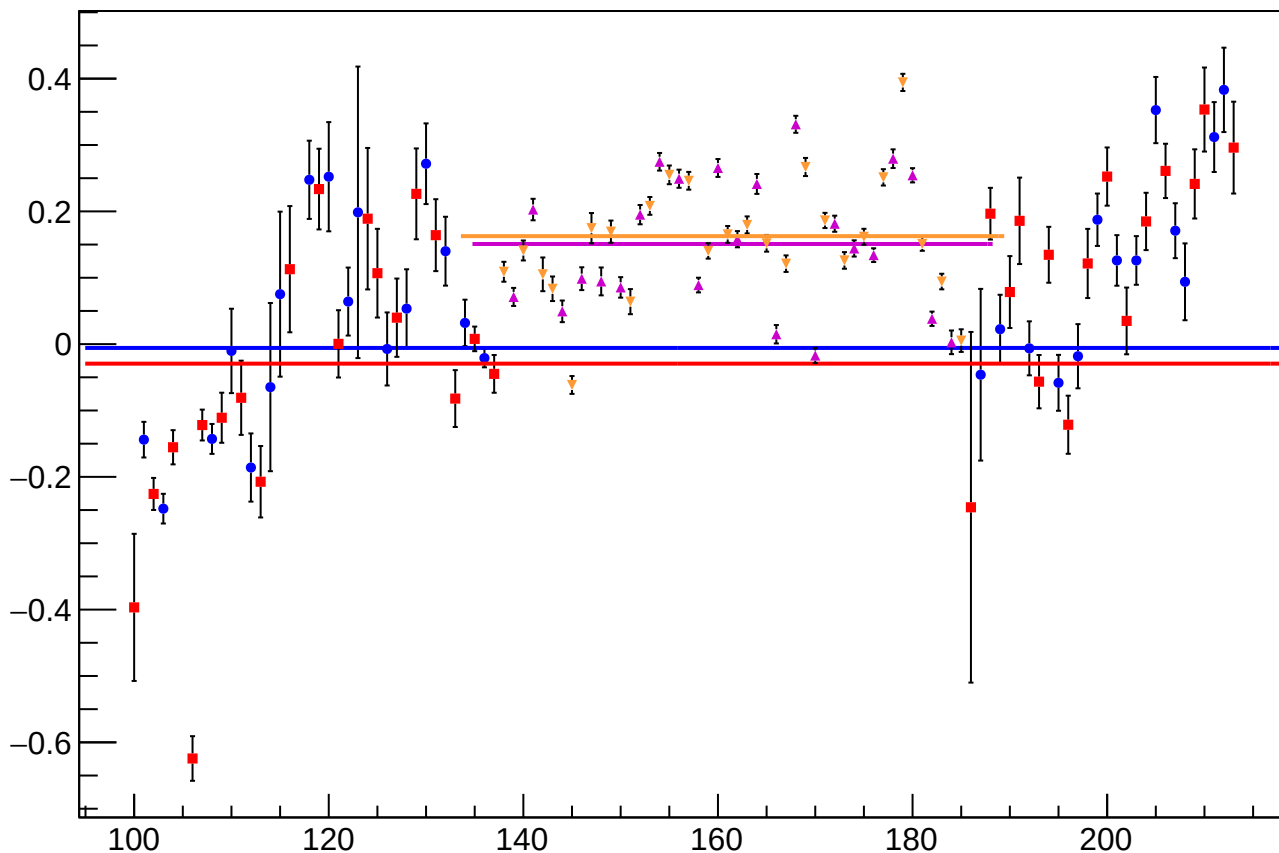
Left In: -8.900+/-0.062 χ^2/NDF : 1533.9/22

+ sign -8.231+/-0.056 χ^2/NDF : 5026.4/54

All: -8.146+/-0.040 χ^2/NDF : 11162.6/111

- sign -8.057+/-0.057 χ^2/NDF : 6131.4/56

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.007 χ^2/NDF : 454.3/29

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.029 ± 0.007 χ^2/NDF : 791.5/33

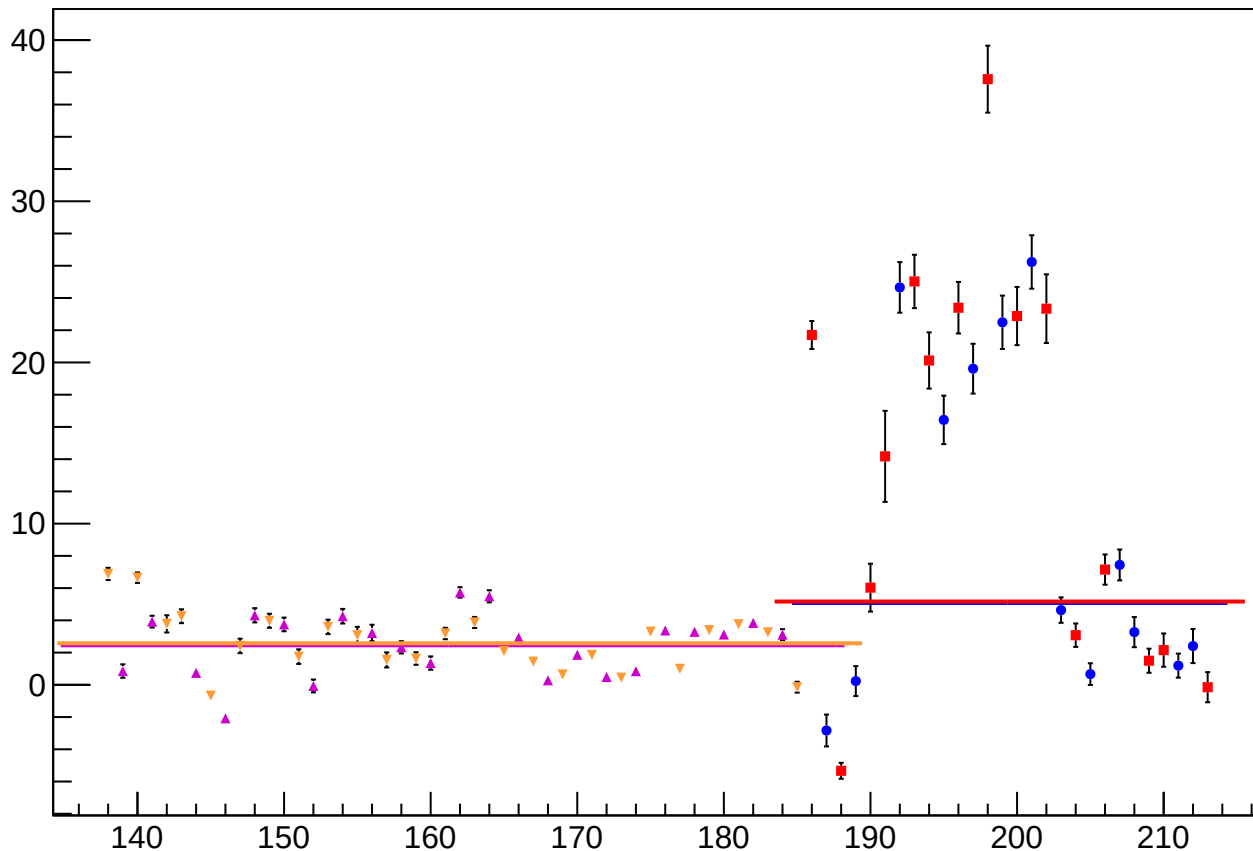
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.141 ± 0.003 χ^2/NDF : 1969.4/54

All: 0.134 ± 0.002 χ^2/NDF : 4631.8/111

- sign 0.127 ± 0.003 χ^2/NDF : 2647.4/56

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 5.080 ± 0.278 $\chi^2/\text{NDF}: 752.1/12$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 5.168 ± 0.261 $\chi^2/\text{NDF}: 1659.9/14$

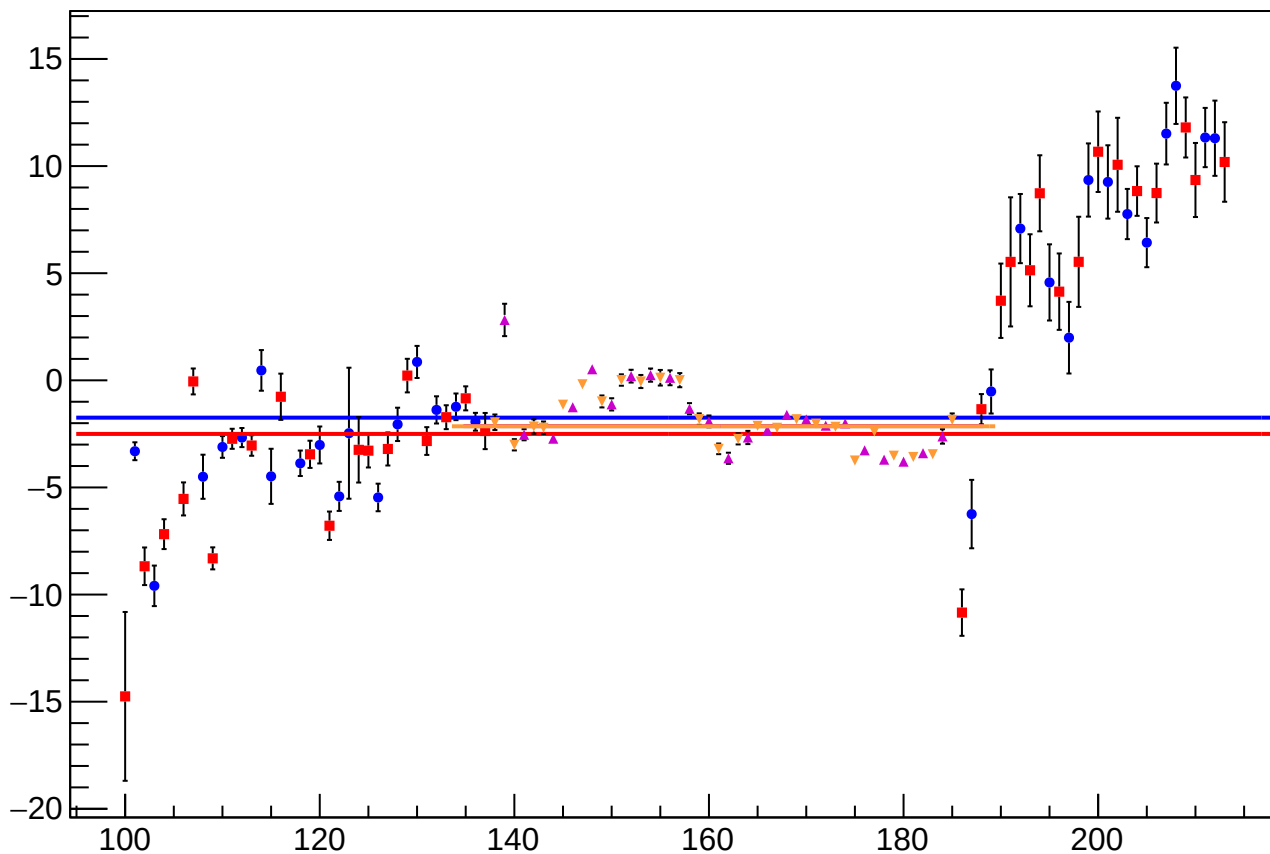
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.682 ± 0.057 $\chi^2/\text{NDF}: 1697.1/37$

All: 2.635 ± 0.041 $\chi^2/\text{NDF}: 4332.8/75$

- sign 2.586 ± 0.058 $\chi^2/\text{NDF}: 2634.2/37$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.742 ± 0.145 $\chi^2/\text{NDF}: 764.9/29$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -2.502 ± 0.143 $\chi^2/\text{NDF}: 951.2/33$

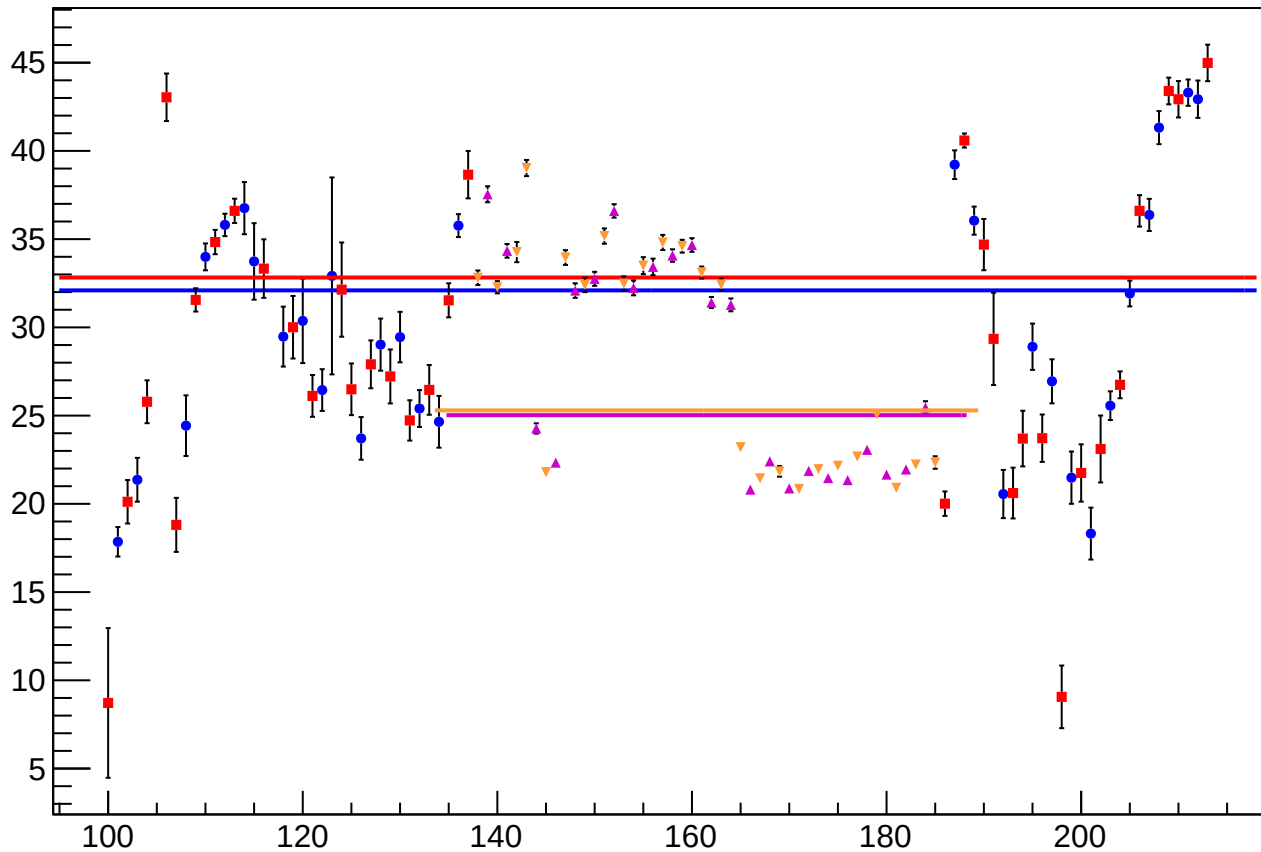
Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

+ sign -2.106 ± 0.045 $\chi^2/\text{NDF}: 1345.3/54$

All: -2.140 ± 0.032 $\chi^2/\text{NDF}: 2994.7/111$

- sign -2.174 ± 0.046 $\chi^2/\text{NDF}: 1648.3/56$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 32.097 $\pm$ 0.189 χ^2/NDF : 1464.6/29

Left Out: 25.296 $\pm$ 0.059 χ^2/NDF : 8272.3/24

Right Out: 32.825 $\pm$ 0.175 χ^2/NDF : 2163.4/33

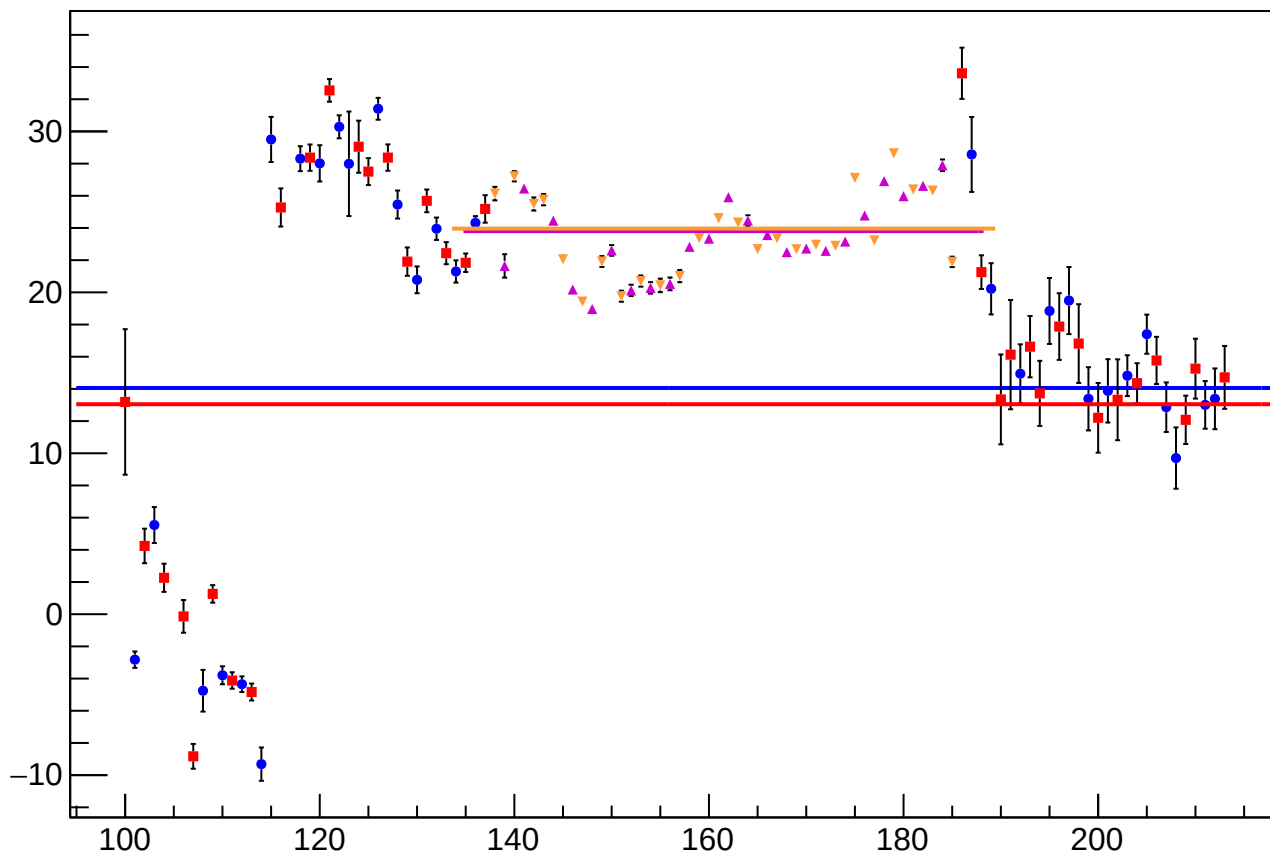
Left In: 25.025 $\pm$ 0.060 χ^2/NDF : 7610.5/22

+ sign 25.899 $\pm$ 0.056 χ^2/NDF : 10922.3/54

All: 25.868 $\pm$ 0.040 χ^2/NDF : 22479.8/111

- sign 25.837 $\pm$ 0.056 χ^2/NDF : 11556.9/56

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.058 $\pm$ 0.162 χ^2 /NDF: 7357.4/29

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 13.049 $\pm$ 0.162 χ^2 /NDF: 7214.8/33

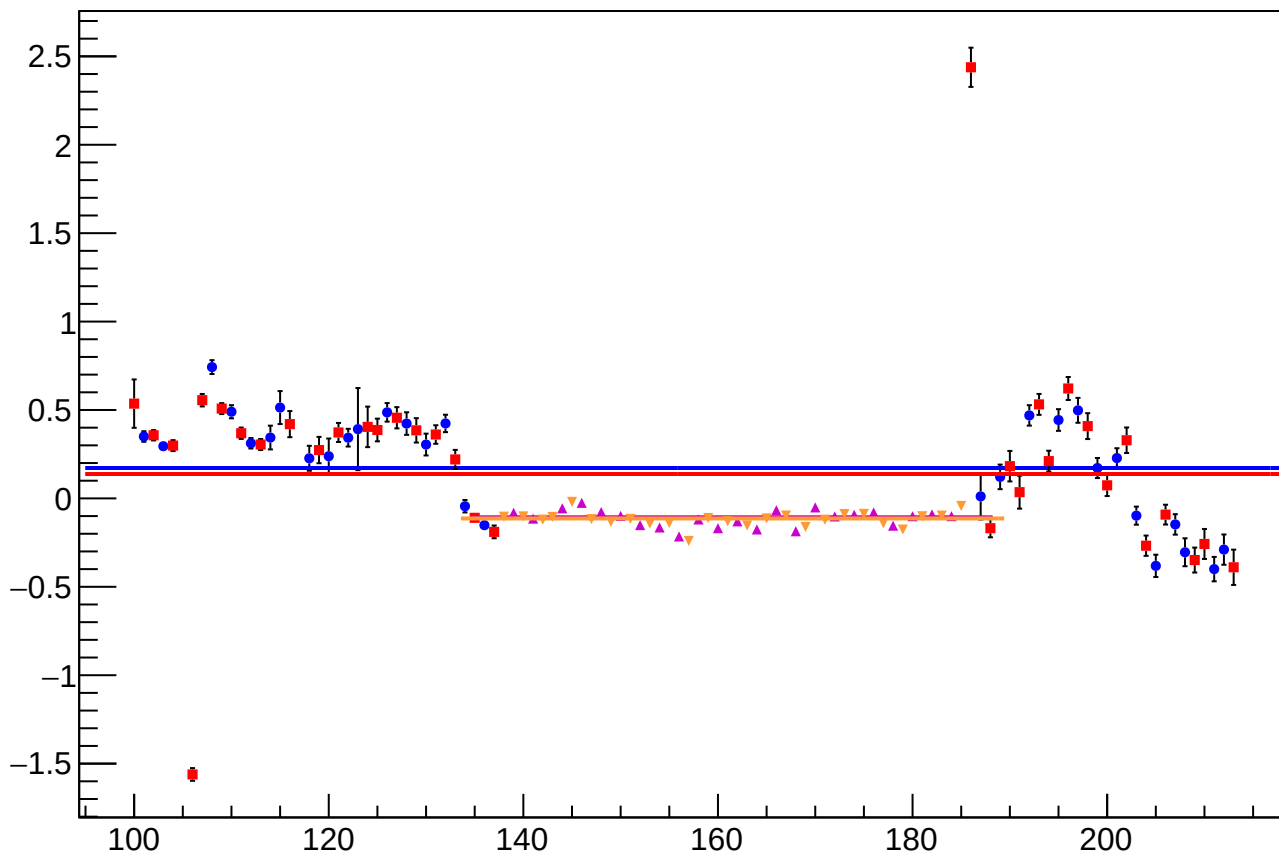
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.002 $\pm$ 0.051 χ^2 /NDF: 12645.5/54

All: 22.869 $\pm$ 0.036 χ^2 /NDF: 25589.2/111

- sign 22.732 $\pm$ 0.051 χ^2 /NDF: 12929.6/56

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.172 ± 0.008 χ^2/NDF : 1198.3/29

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.138 ± 0.008 χ^2/NDF : 3767.5/33

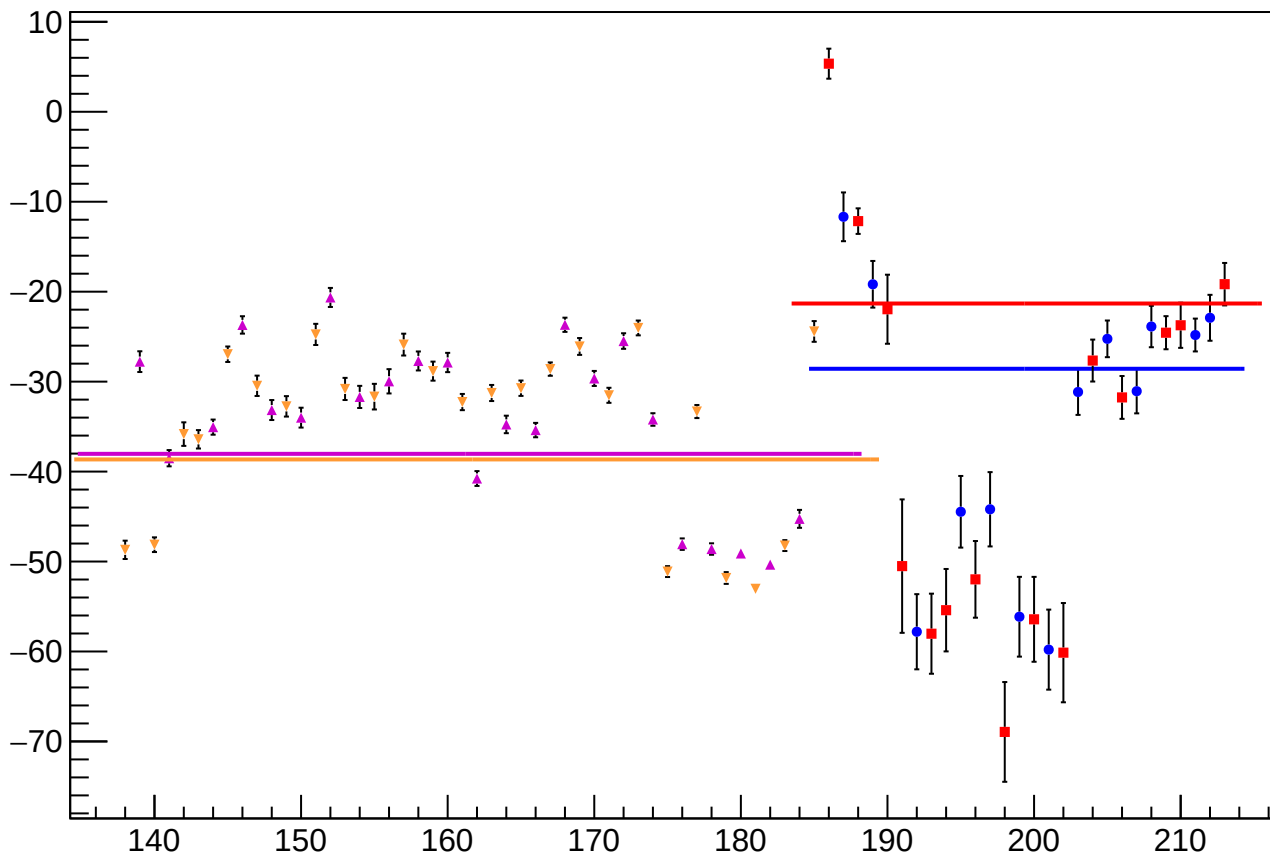
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.091 ± 0.002 χ^2/NDF : 2575.0/54

All: -0.089 ± 0.002 χ^2/NDF : 7488.6/111

- sign -0.086 ± 0.002 χ^2/NDF : 4911.4/56

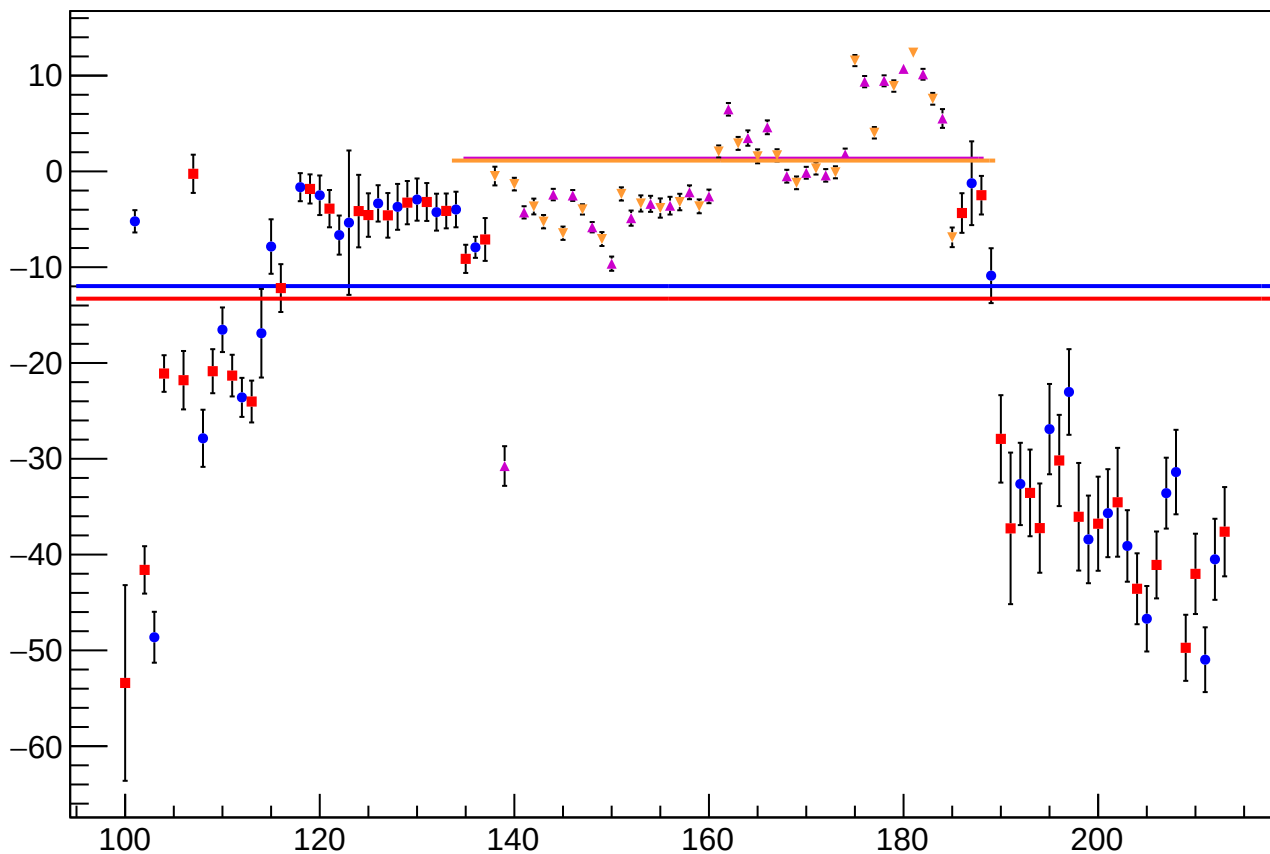
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -28.571 ± 0.752 χ^2/NDF : 237.0/12
 Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24
 Right Out: -21.315 ± 0.675 χ^2/NDF : 697.5/14
 Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.165 ± 0.165 χ^2/NDF : 4485.1/37
 All: -37.589 ± 0.118 χ^2/NDF : 8875.1/75
 - sign -36.993 ± 0.168 χ^2/NDF : 4365.2/37

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -11.973 ± 0.429 χ^2/NDF : 961.4/29

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -13.284 ± 0.436 χ^2/NDF : 959.2/33

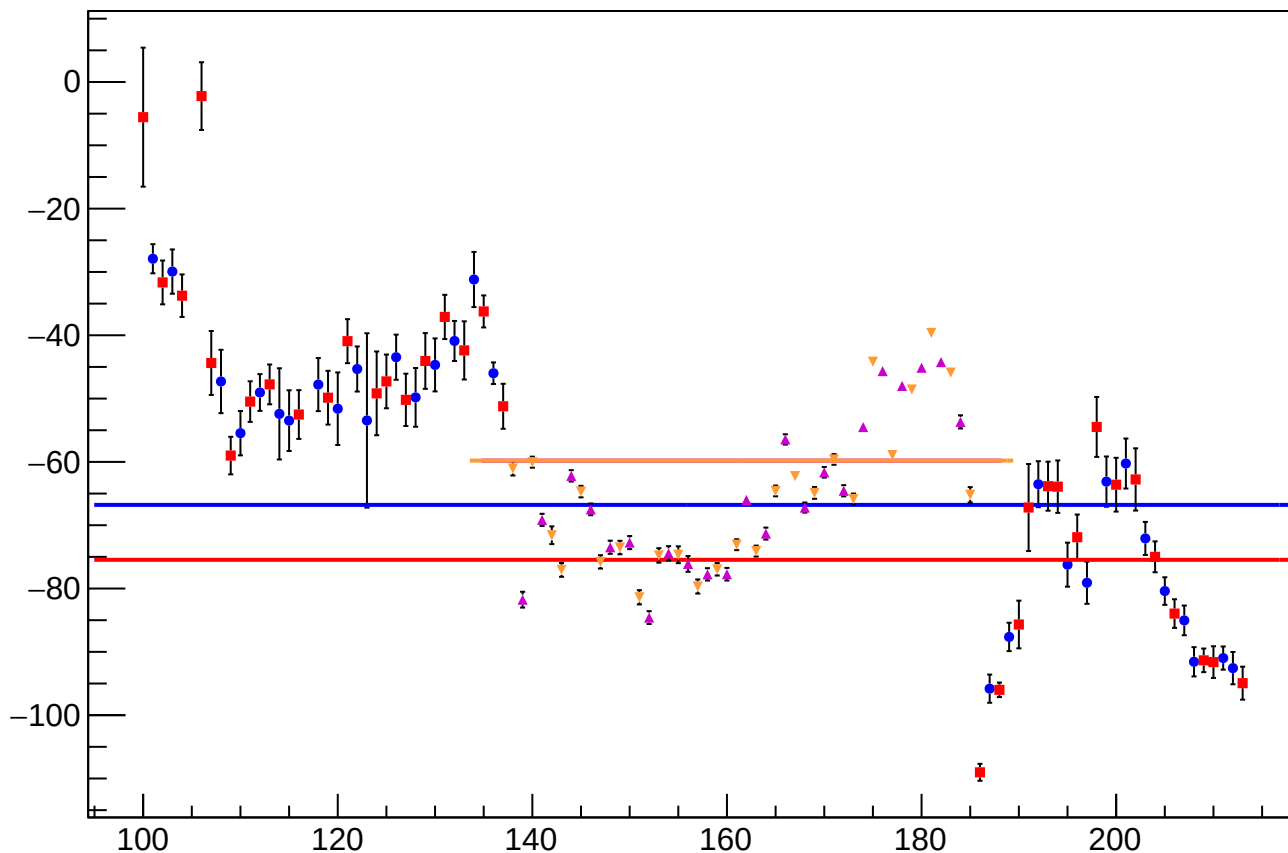
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign -0.067 ± 0.130 χ^2/NDF : 3608.9/54

All: -0.051 ± 0.093 χ^2/NDF : 7635.8/111

- sign -0.035 ± 0.133 χ^2/NDF : 4026.8/56

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -66.789 ± 0.544 $\chi^2/\text{NDF}: 1679.9/29$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -75.463 ± 0.497 $\chi^2/\text{NDF}: 2723.6/33$

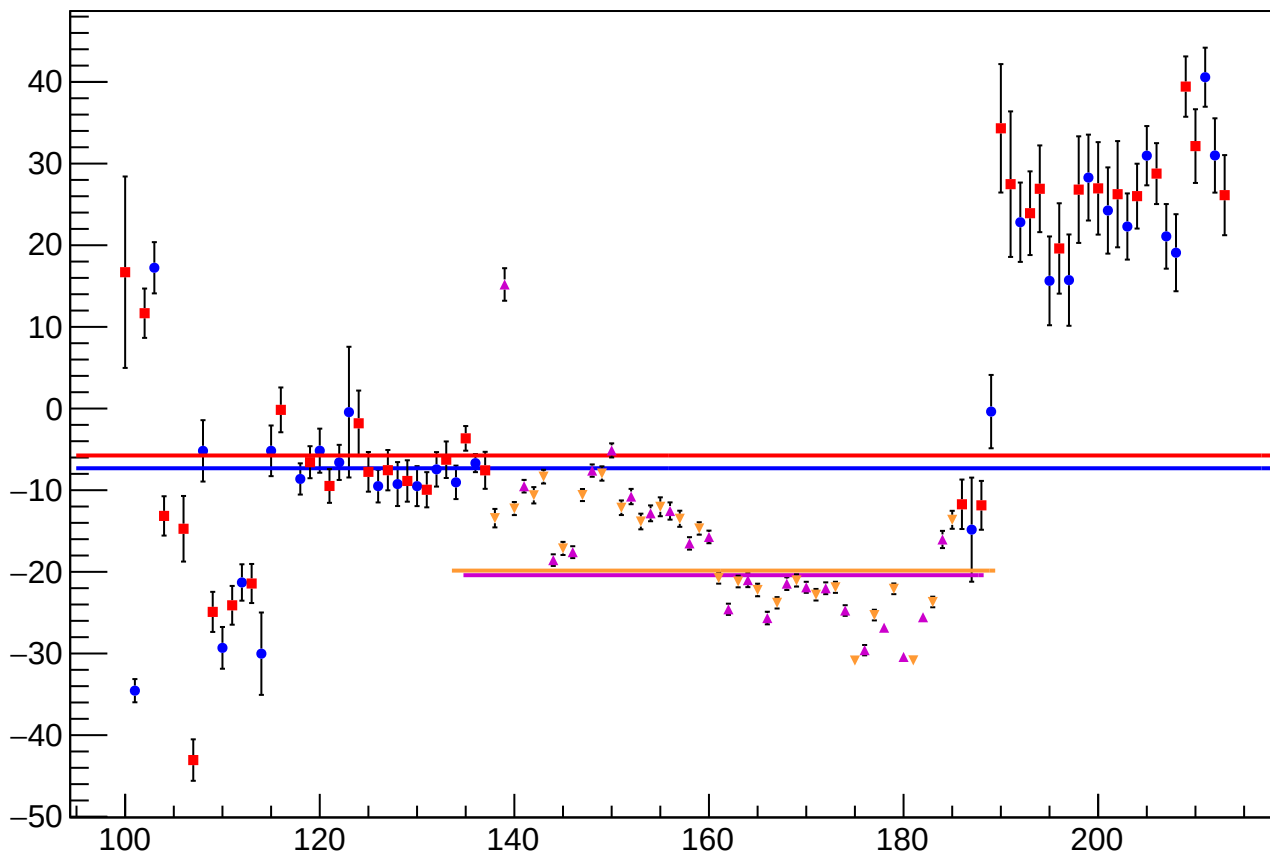
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -60.412 ± 0.162 $\chi^2/\text{NDF}: 7668.5/54$

All: -60.951 ± 0.115 $\chi^2/\text{NDF}: 16515.8/111$

- sign -61.497 ± 0.164 $\chi^2/\text{NDF}: 8825.2/56$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -7.313 ± 0.484 $\chi^2/\text{NDF}: 1220.4/29$

Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$

Right Out: -5.749 ± 0.501 $\chi^2/\text{NDF}: 1082.8/33$

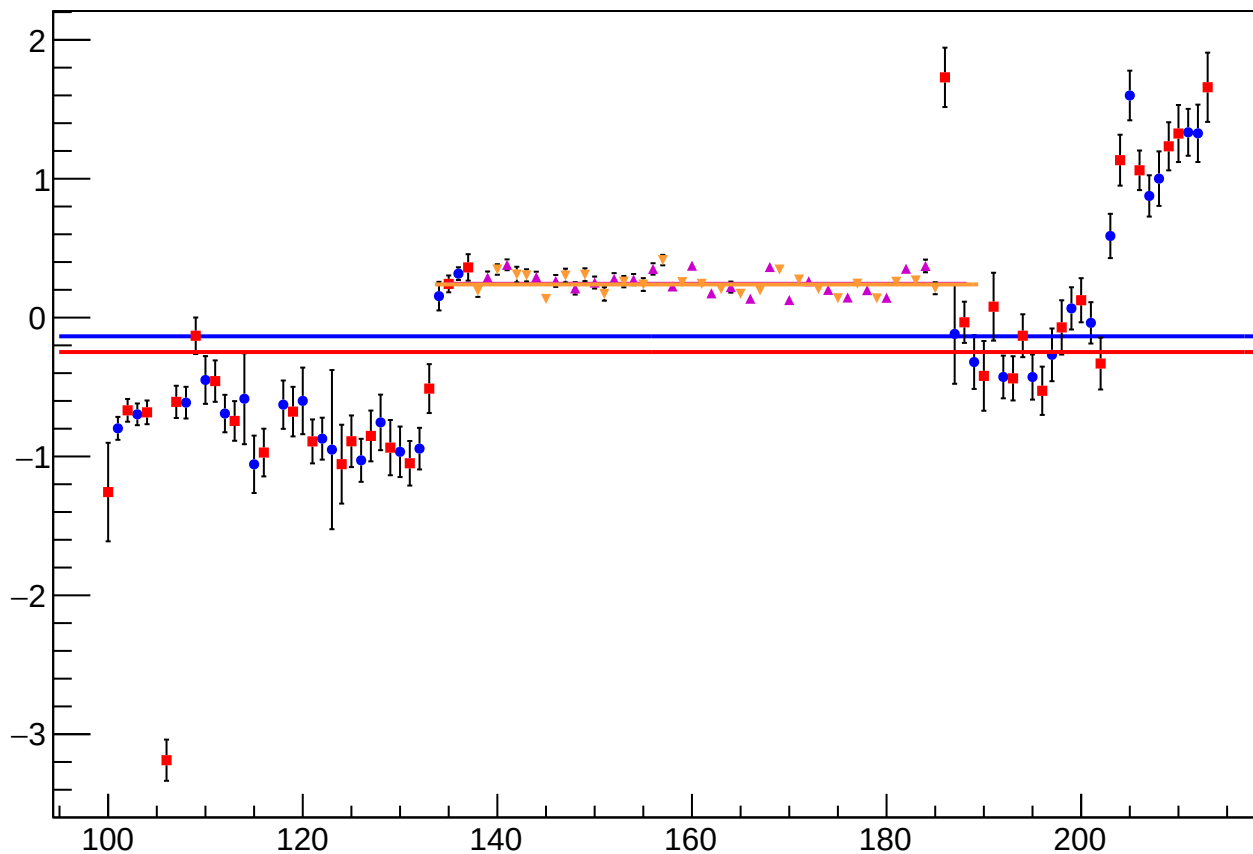
Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

+ sign -18.712 ± 0.146 $\chi^2/\text{NDF}: 3761.7/54$

All: -18.903 ± 0.104 $\chi^2/\text{NDF}: 7930.2/111$

- sign -19.104 ± 0.150 $\chi^2/\text{NDF}: 4164.9/56$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.135 ± 0.024 χ^2/NDF : 740.8/29

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.248 ± 0.024 χ^2/NDF : 1126.3/33

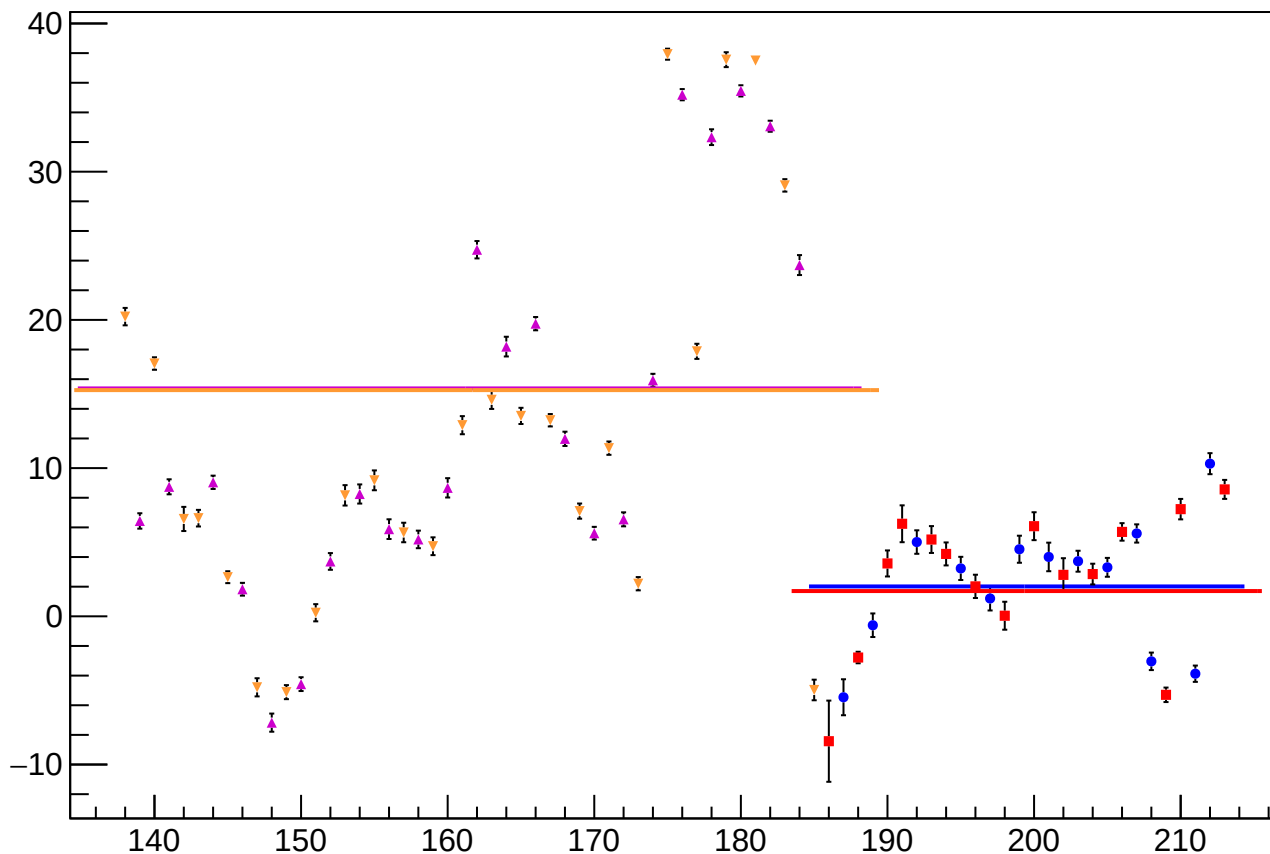
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.209 ± 0.007 χ^2/NDF : 1058.1/54

All: 0.207 ± 0.005 χ^2/NDF : 2696.7/111

- sign 0.204 ± 0.007 χ^2/NDF : 1638.3/56

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.016+/-0.202 χ^2/NDF : 446.2/12

Left Out: 15.263+/-0.100 χ^2/NDF :19175.2/24

Right Out: 1.705+/-0.183 χ^2/NDF : 647.7/14

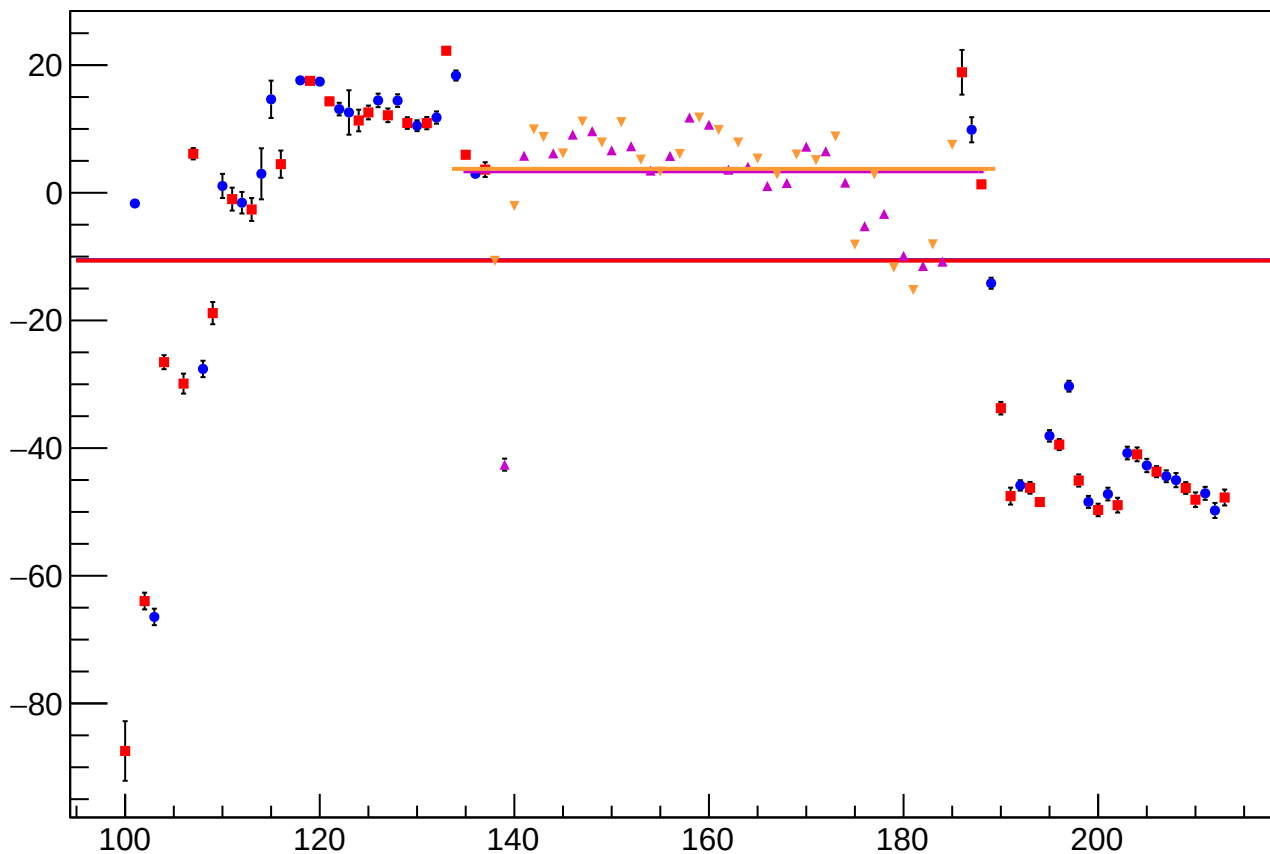
Left In: 15.377+/-0.103 χ^2/NDF :16268.9/22

+ sign 12.629+/-0.090 χ^2/NDF : 23075.9/37

All: 12.363+/-0.063 χ^2/NDF : 44254.5/75

- sign 12.099+/-0.090 χ^2/NDF : 21161.1/37

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -10.566 ± 0.170 χ^2/NDF : 25326.2/29

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -10.614 ± 0.161 χ^2/NDF : 31202.7/33

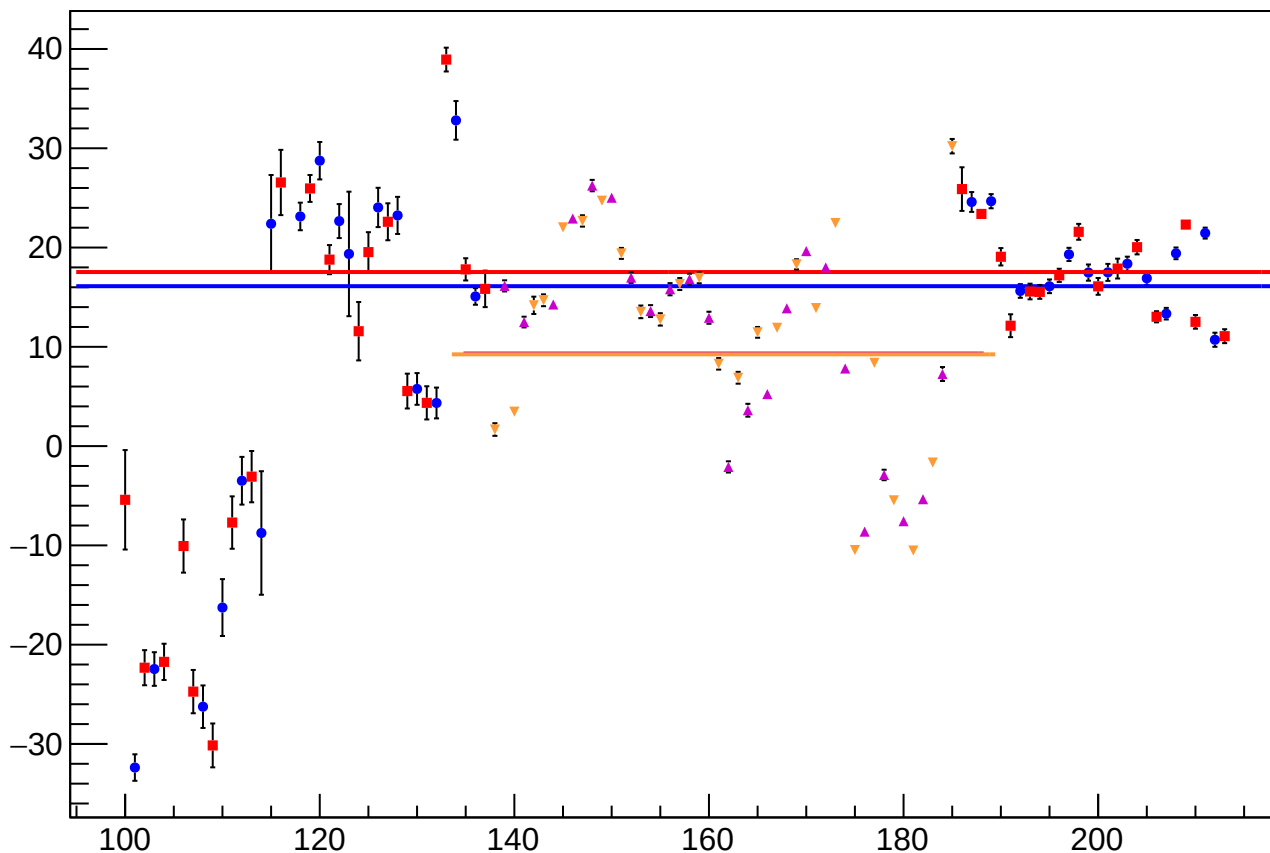
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 1.229 ± 0.071 χ^2/NDF : 40381.1/54

All: 0.887 ± 0.051 χ^2/NDF : 86154.1/111

- sign 0.534 ± 0.073 χ^2/NDF : 45726.4/56

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 16.107 $\pm$ 0.173 χ^2 /NDF: 3193.7/29

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 17.533 $\pm$ 0.156 χ^2 /NDF: 3316.0/33

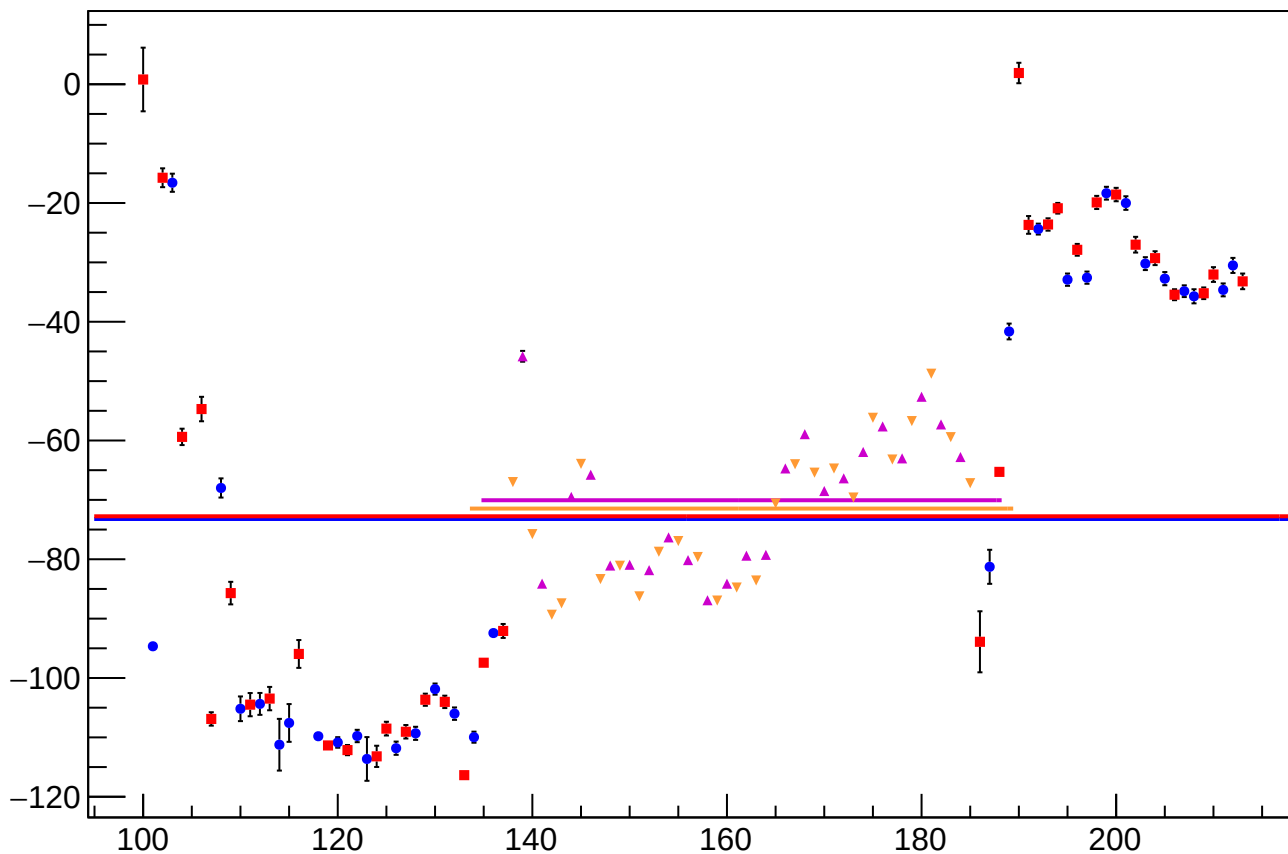
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.979 $\pm$ 0.087 χ^2 /NDF: 17997.9/54

All: 11.401 $\pm$ 0.061 χ^2 /NDF: 35263.6/111

- sign 11.809 $\pm$ 0.086 χ^2 /NDF: 17219.6/56

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -73.216 ± 0.196 χ^2/NDF : 35193.1/29

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -72.764 ± 0.188 χ^2/NDF : 43434.1/33

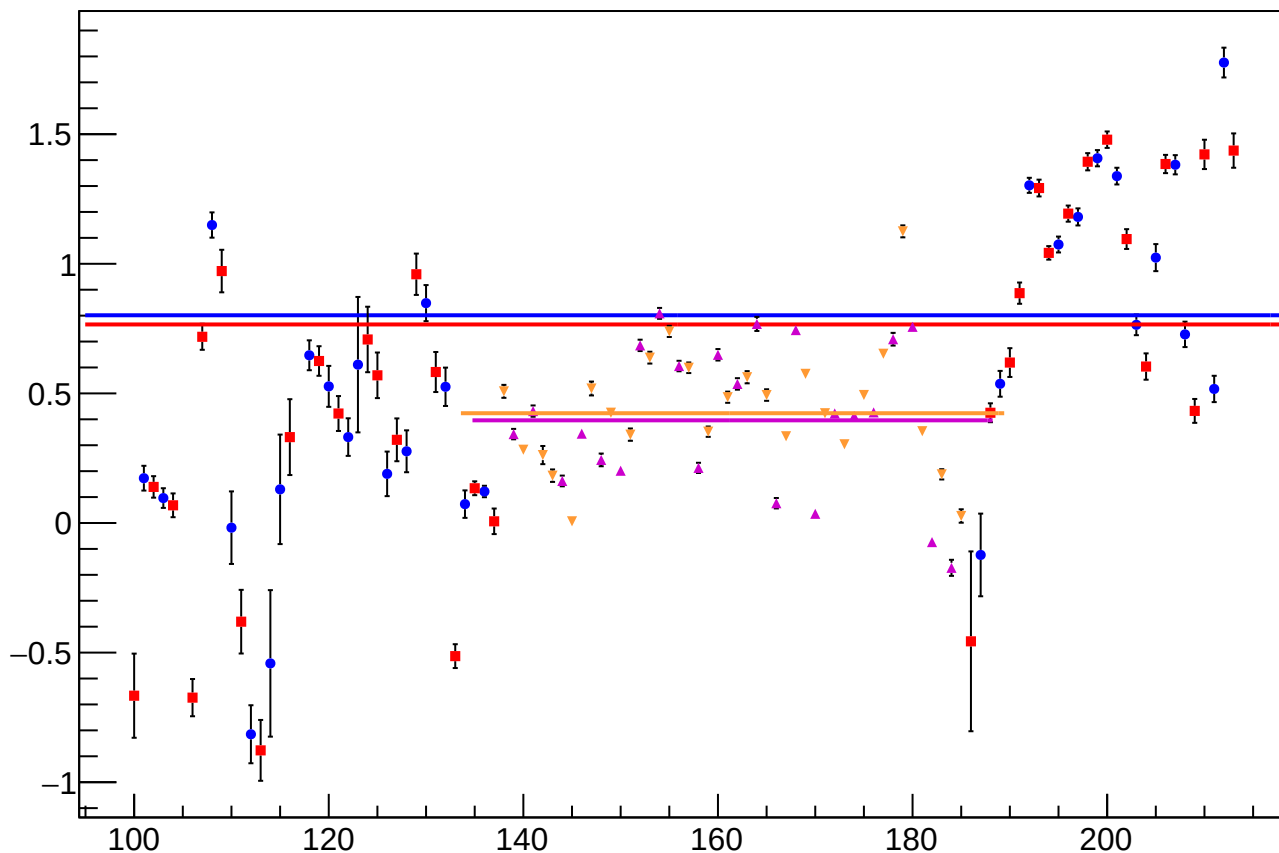
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -71.767 ± 0.081 χ^2/NDF : 51668.9/54

All: -71.182 ± 0.058 χ^2/NDF : 108433.3/111

- sign -70.580 ± 0.082 χ^2/NDF : 56659.2/56

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.801 ± 0.008 $\chi^2/\text{NDF}: 3957.2/29$

Left Out: 0.424 ± 0.004 $\chi^2/\text{NDF}: 2885.0/24$

Right Out: 0.766 ± 0.008 $\chi^2/\text{NDF}: 5113.1/33$

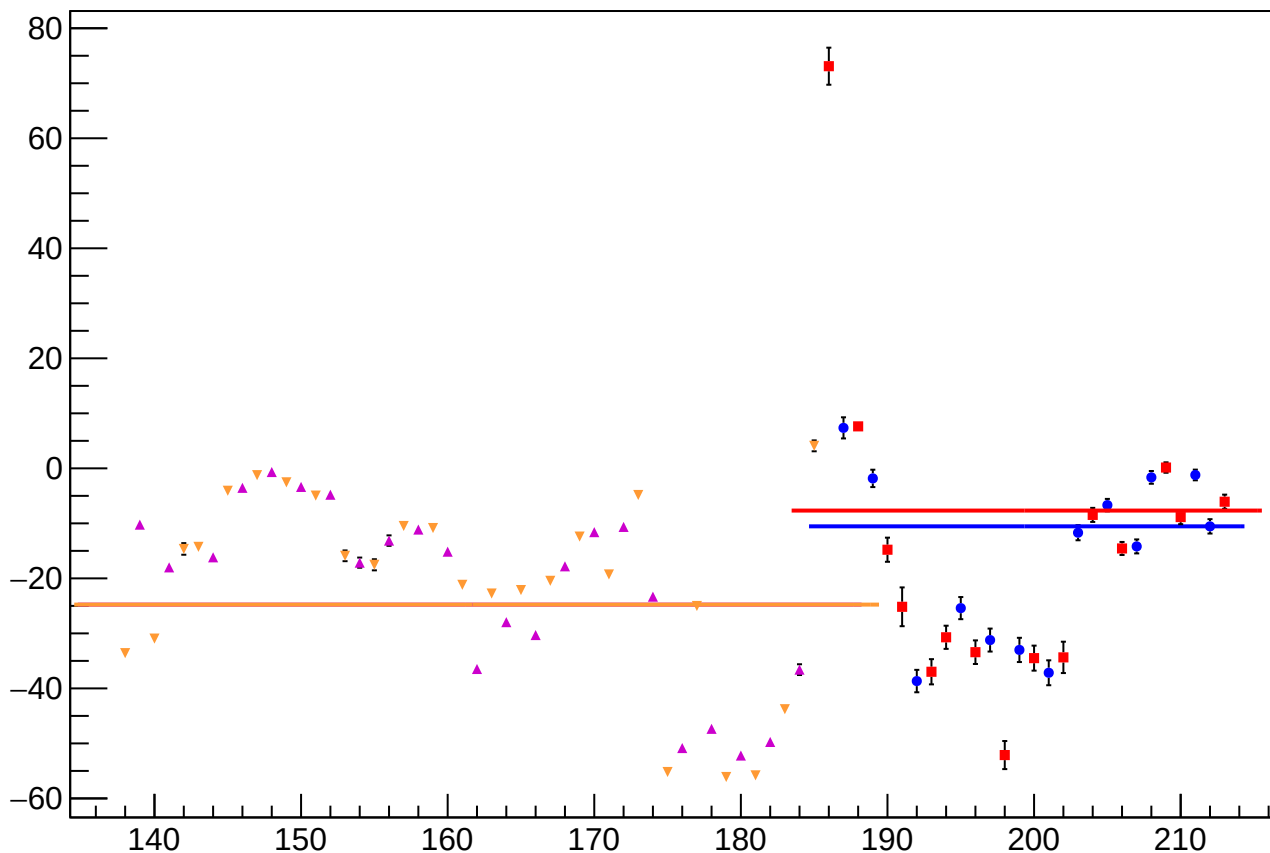
Left In: 0.396 ± 0.004 $\chi^2/\text{NDF}: 4051.5/22$

+ sign 0.495 ± 0.004 $\chi^2/\text{NDF}: 8450.6/54$

All: 0.485 ± 0.003 $\chi^2/\text{NDF}: 19295.8/111$

- sign 0.474 ± 0.004 $\chi^2/\text{NDF}: 10829.5/56$

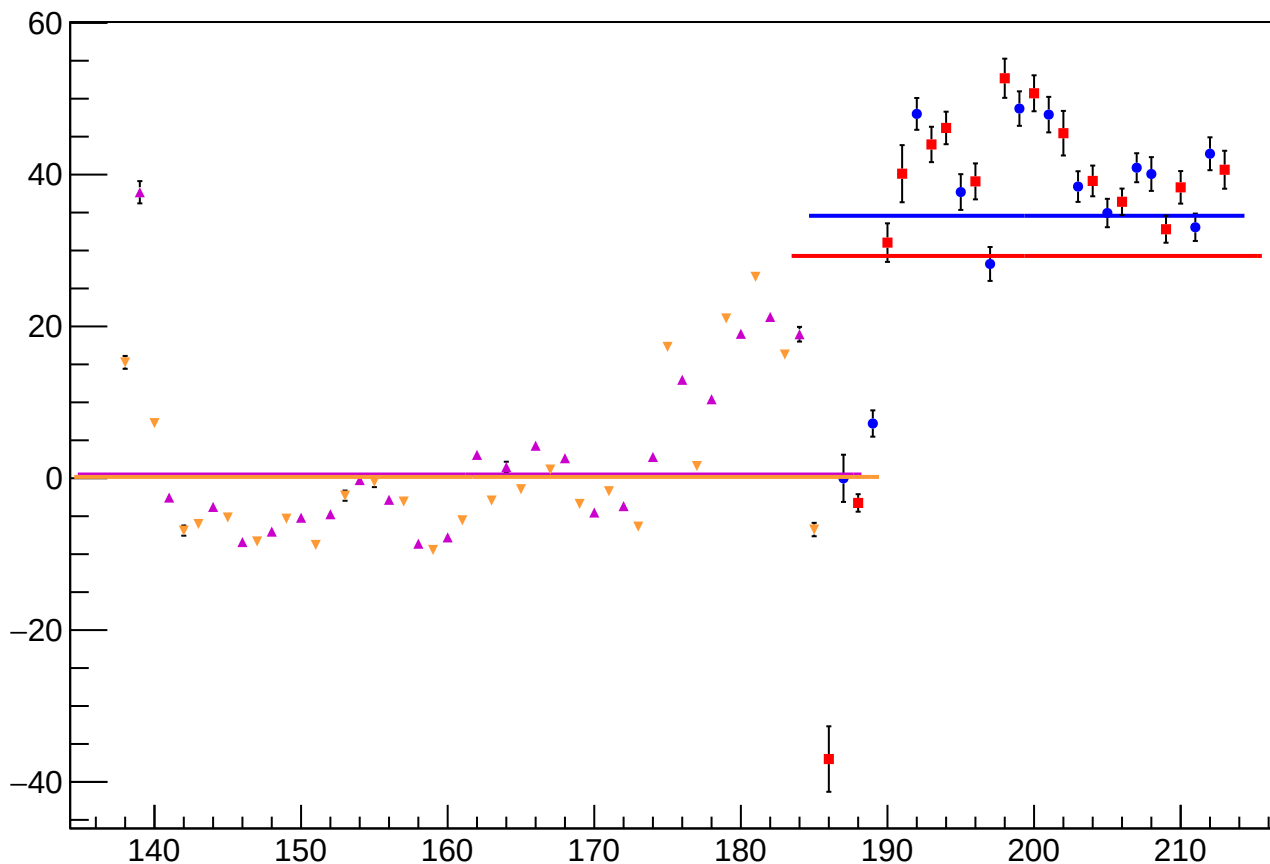
reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -10.541 ± 0.405 $\chi^2/\text{NDF}: 874.2/12$
 Left Out: -24.769 ± 0.139 $\chi^2/\text{NDF}: 18318.8/24$
 Right Out: -7.675 ± 0.387 $\chi^2/\text{NDF}: 2037.5/14$
 Left In: -24.775 ± 0.143 $\chi^2/\text{NDF}: 14807.4/22$

+ sign -23.259 ± 0.132 $\chi^2/\text{NDF}: 20298.4/37$
 All: -22.996 ± 0.094 $\chi^2/\text{NDF}: 38871.3/75$
 - sign -22.725 ± 0.134 $\chi^2/\text{NDF}: 18564.8/37$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 34.575 ± 0.582 $\chi^2/\text{NDF}: 530.9/12$

Left Out: 0.177 ± 0.109 $\chi^2/\text{NDF}: 8295.6/24$

Right Out: 29.286 ± 0.548 $\chi^2/\text{NDF}: 1438.0/14$

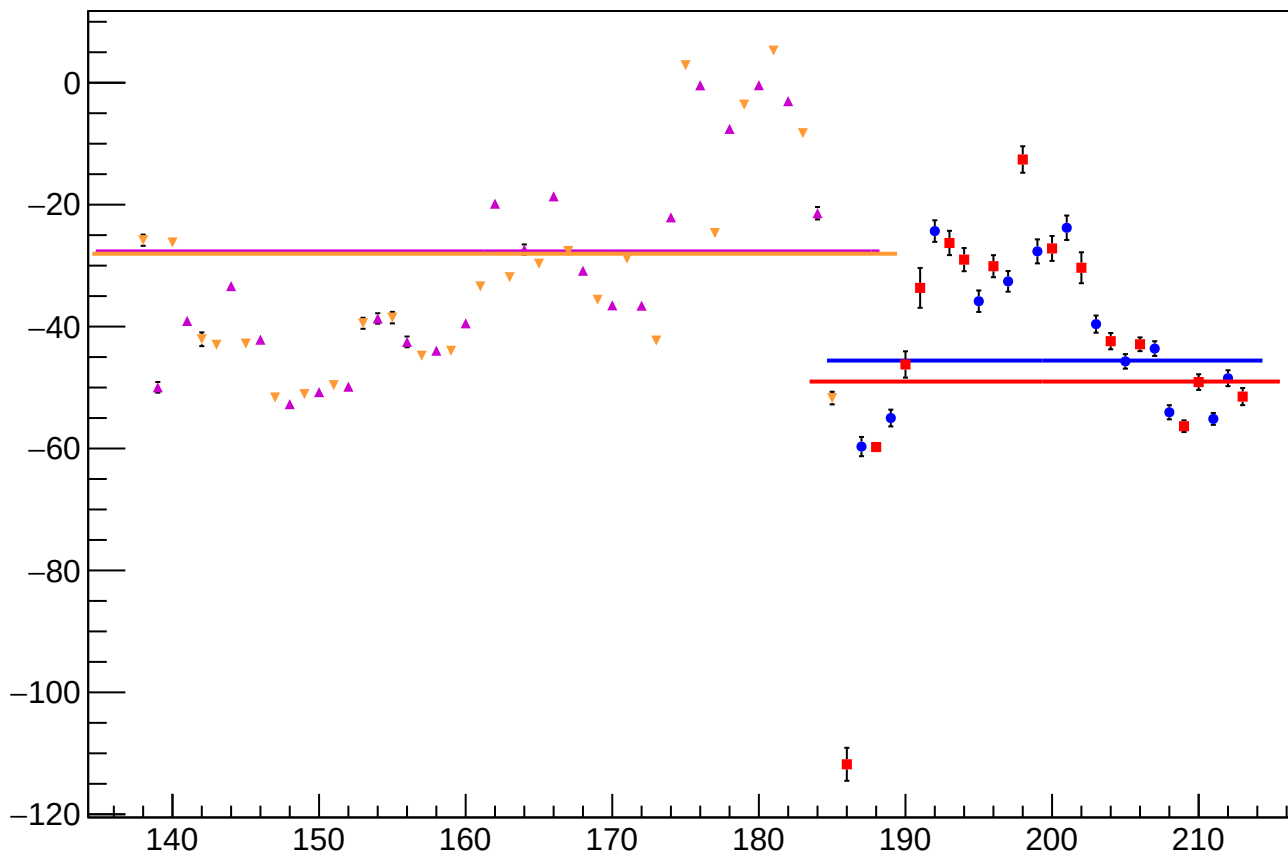
Left In: 0.493 ± 0.112 $\chi^2/\text{NDF}: 6555.4/22$

+ sign 1.333 ± 0.107 $\chi^2/\text{NDF}: 12200.5/37$

All: 1.486 ± 0.077 $\chi^2/\text{NDF}: 22845.2/75$

- sign 1.649 ± 0.110 $\chi^2/\text{NDF}: 10640.4/37$

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -45.574 ± 0.387 χ^2/NDF : 734.7/12

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -49.016 ± 0.358 χ^2/NDF : 1752.2/14

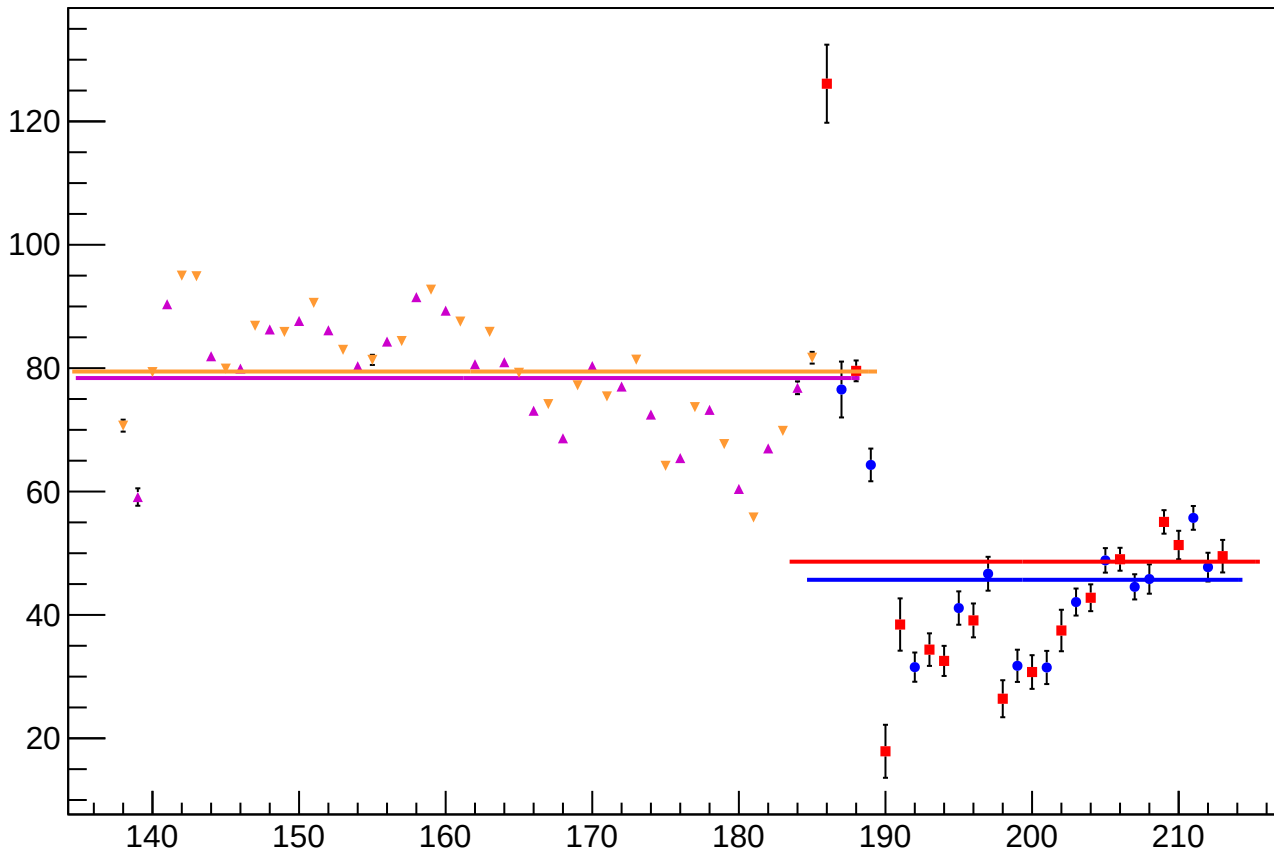
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -30.077 ± 0.132 χ^2/NDF : 19695.1/37

All: -30.331 ± 0.093 χ^2/NDF : 39532.6/75

- sign -30.588 ± 0.132 χ^2/NDF : 19830.0/37

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 45.694 $\pm$ 0.666 χ^2 /NDF: 224.3/12

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF: 6077.1/24

Right Out: 48.632 $\pm$ 0.649 χ^2 /NDF: 756.9/14

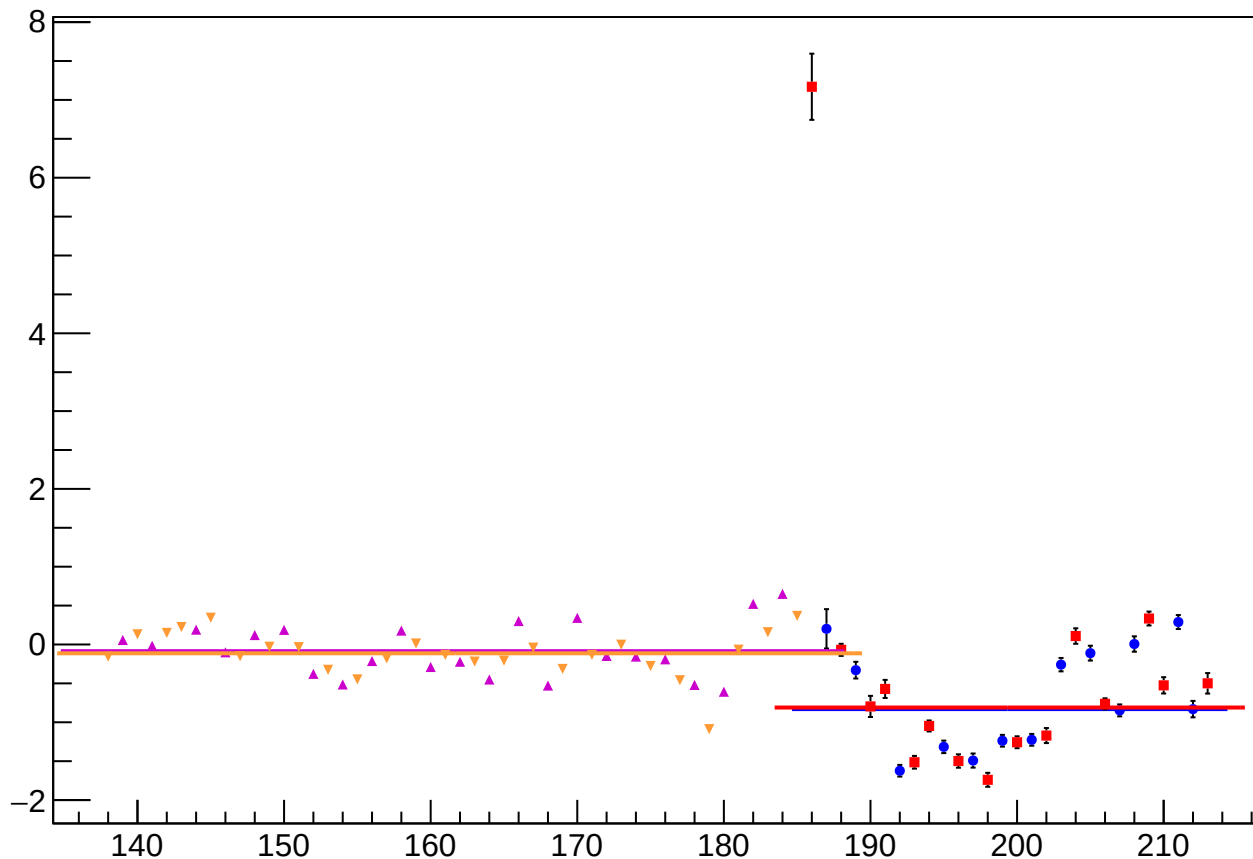
Left In: 78.396 $\pm$ 0.127 χ^2 /NDF: 4707.3/22

+ sign 78.339 $\pm$ 0.121 χ^2 /NDF: 8786.7/37

All: 77.835 $\pm$ 0.087 χ^2 /NDF: 16311.9/75

- sign 77.303 $\pm$ 0.124 χ^2 /NDF: 7489.6/37

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.830 ± 0.025 χ^2/NDF : 623.1/12

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.810 ± 0.024 χ^2/NDF : 1012.5/14

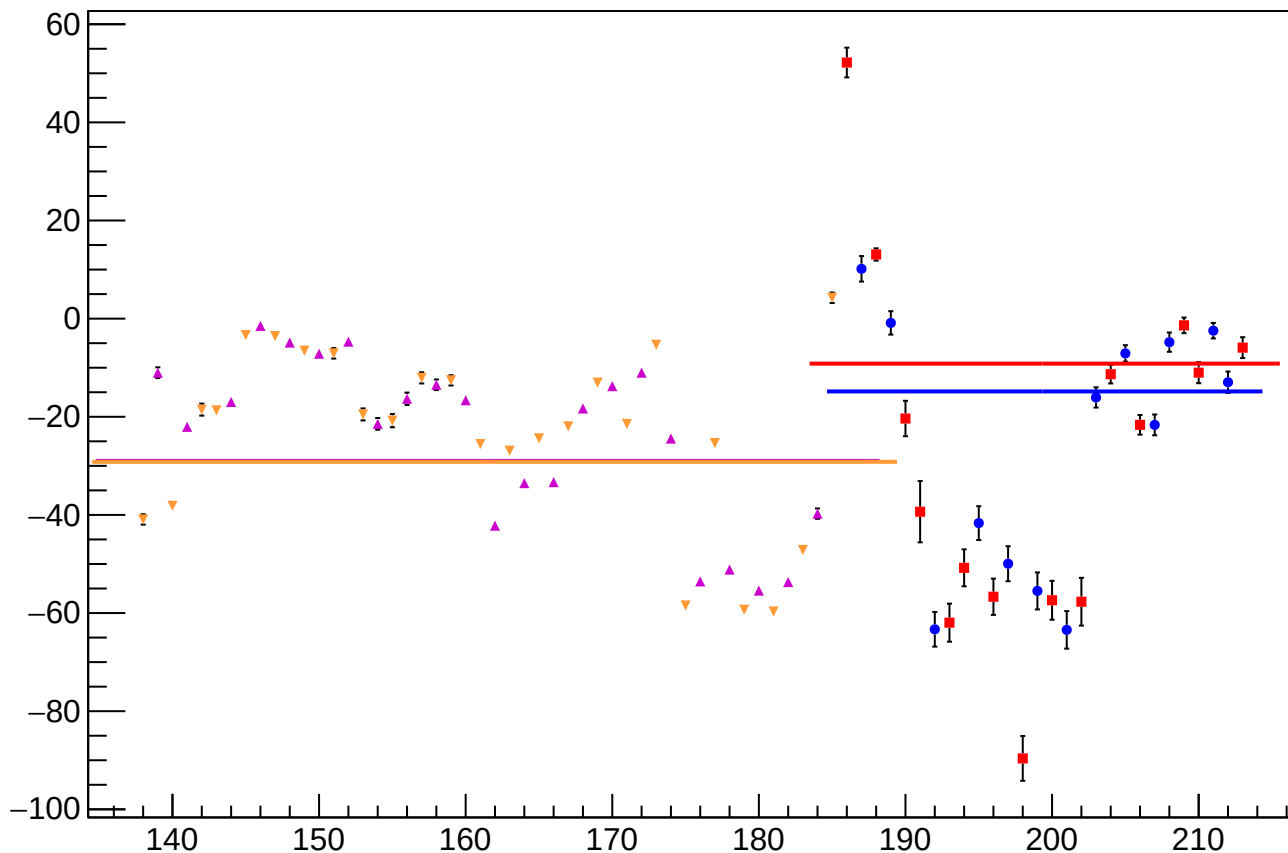
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.149 ± 0.006 χ^2/NDF : 3725.3/37

All: -0.138 ± 0.004 χ^2/NDF : 8747.9/75

- sign -0.126 ± 0.006 χ^2/NDF : 5014.3/37

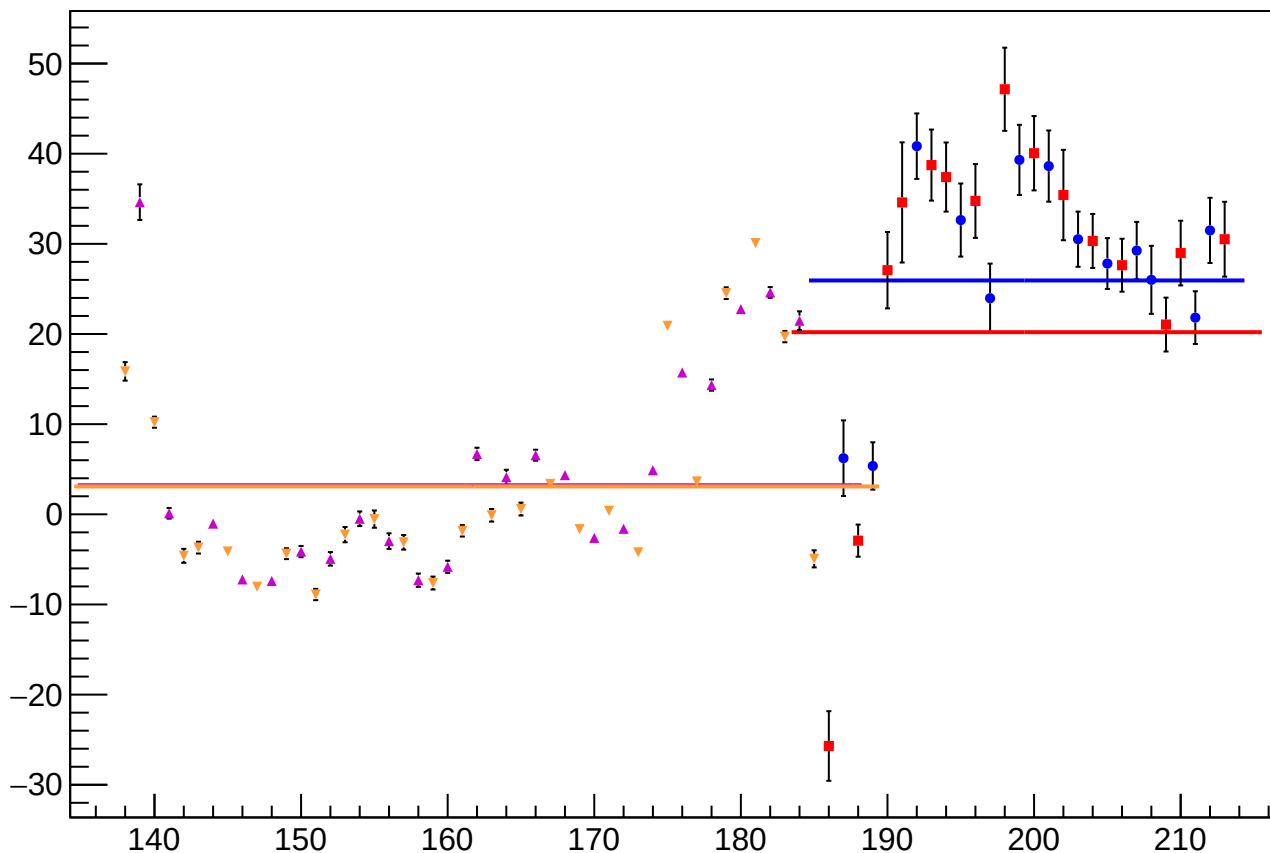
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -14.836 ± 0.647 $\chi^2/\text{NDF}: 870.5/12$
 Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$
 Right Out: -9.167 ± 0.623 $\chi^2/\text{NDF}: 1857.3/14$
 Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -28.385 ± 0.152 $\chi^2/\text{NDF}: 18247.0/37$
 All: -28.086 ± 0.109 $\chi^2/\text{NDF}: 34480.3/75$
 - sign -27.778 ± 0.155 $\chi^2/\text{NDF}: 16225.4/37$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 25.939 $\pm$ 0.940 χ^2 /NDF: 133.5/12

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF: 8084.1/24

Right Out: 20.203 $\pm$ 0.887 χ^2 /NDF: 467.9/14

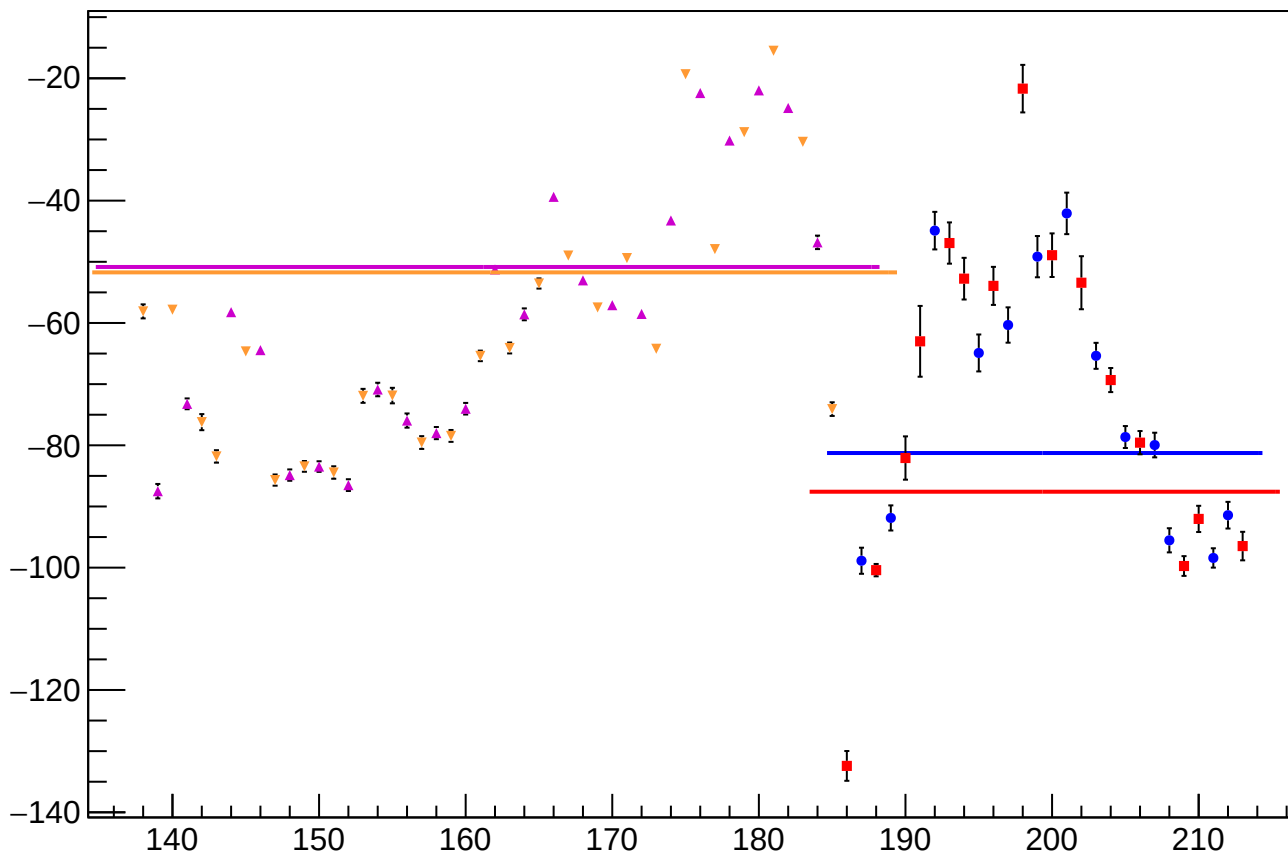
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF: 6237.6/22

+ sign 3.484 $\pm$ 0.123 χ^2 /NDF: 8797.9/37

All: 3.522 $\pm$ 0.088 χ^2 /NDF: 15863.0/75

- sign 3.562 $\pm$ 0.126 χ^2 /NDF: 7064.9/37

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -81.261 ± 0.619 $\chi^2/\text{NDF}: 790.7/12$

Left Out: -51.729 ± 0.158 $\chi^2/\text{NDF}: 19538.0/24$

Right Out: -87.588 ± 0.572 $\chi^2/\text{NDF}: 1533.6/14$

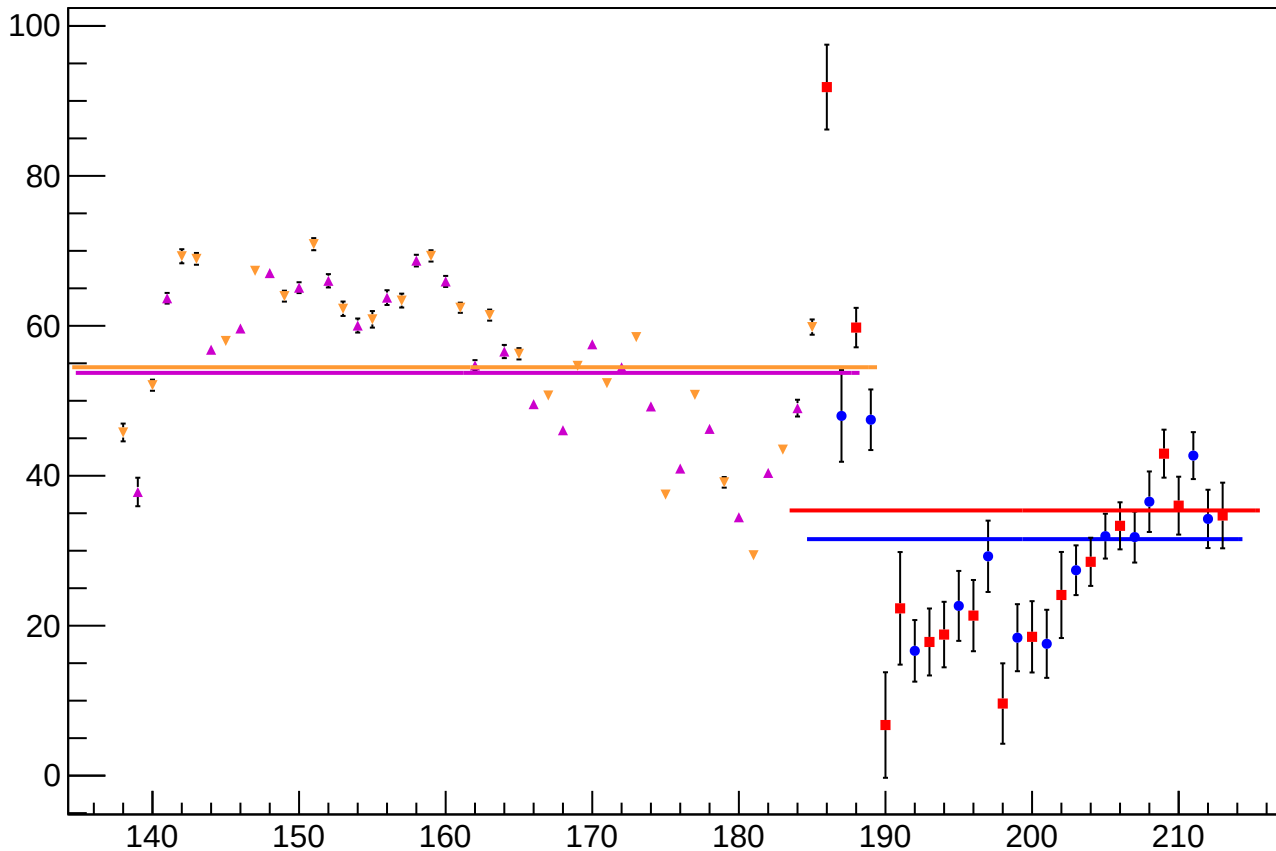
Left In: -50.844 ± 0.160 $\chi^2/\text{NDF}: 17272.0/22$

+ sign -53.534 ± 0.153 $\chi^2/\text{NDF}: 22467.3/37$

All: -53.523 ± 0.109 $\chi^2/\text{NDF}: 45094.8/75$

- sign -53.510 ± 0.154 $\chi^2/\text{NDF}: 22627.5/37$

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.545 $\pm$ 1.082 χ^2 /NDF: 74.1/12

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF: 6266.9/24

Right Out: 35.373 $\pm$ 1.063 χ^2 /NDF: 293.7/14

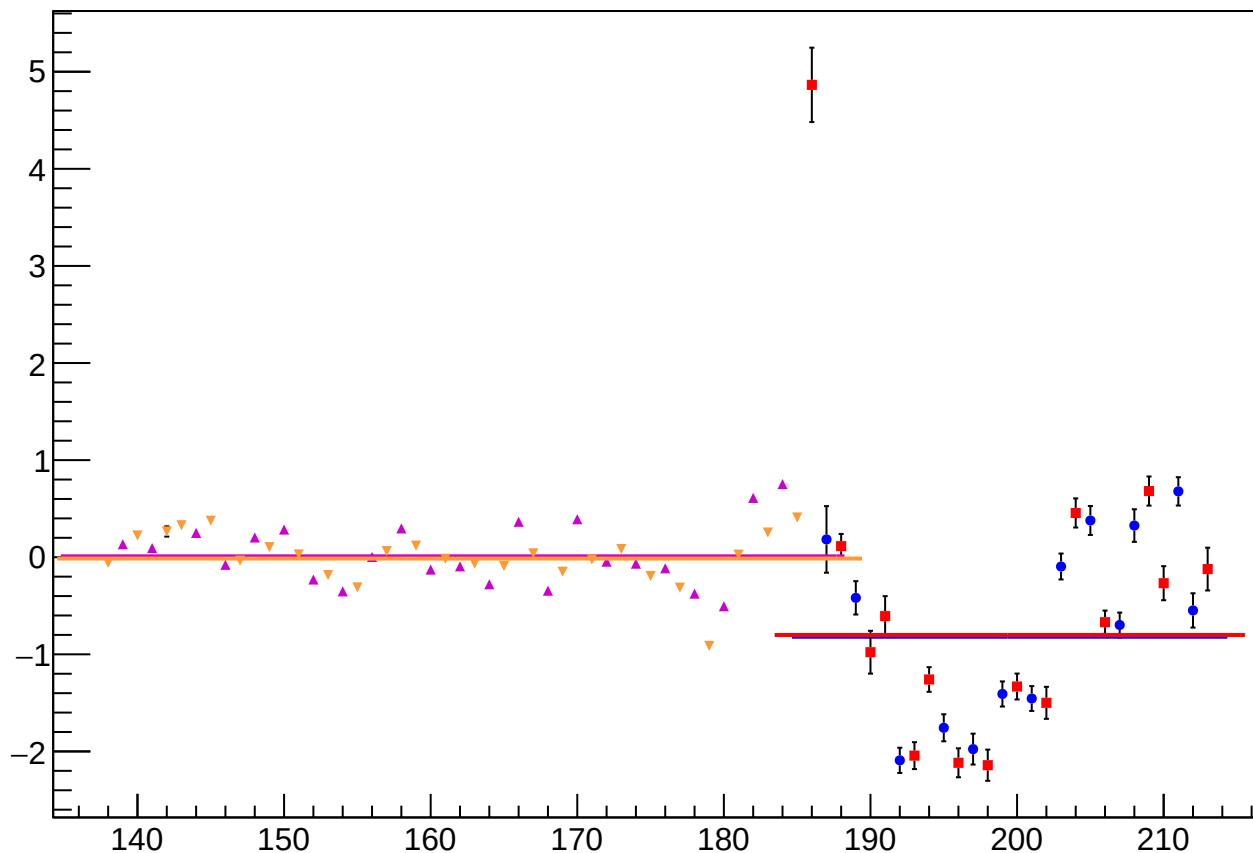
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.097 $\pm$ 0.139 χ^2 /NDF: 6782.9/37

All: 53.754 $\pm$ 0.099 χ^2 /NDF: 11967.4/75

- sign 53.397 $\pm$ 0.142 χ^2 /NDF: 5172.1/37

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.819 ± 0.041 χ^2/NDF : 502.7/12

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.801 ± 0.040 χ^2/NDF : 735.6/14

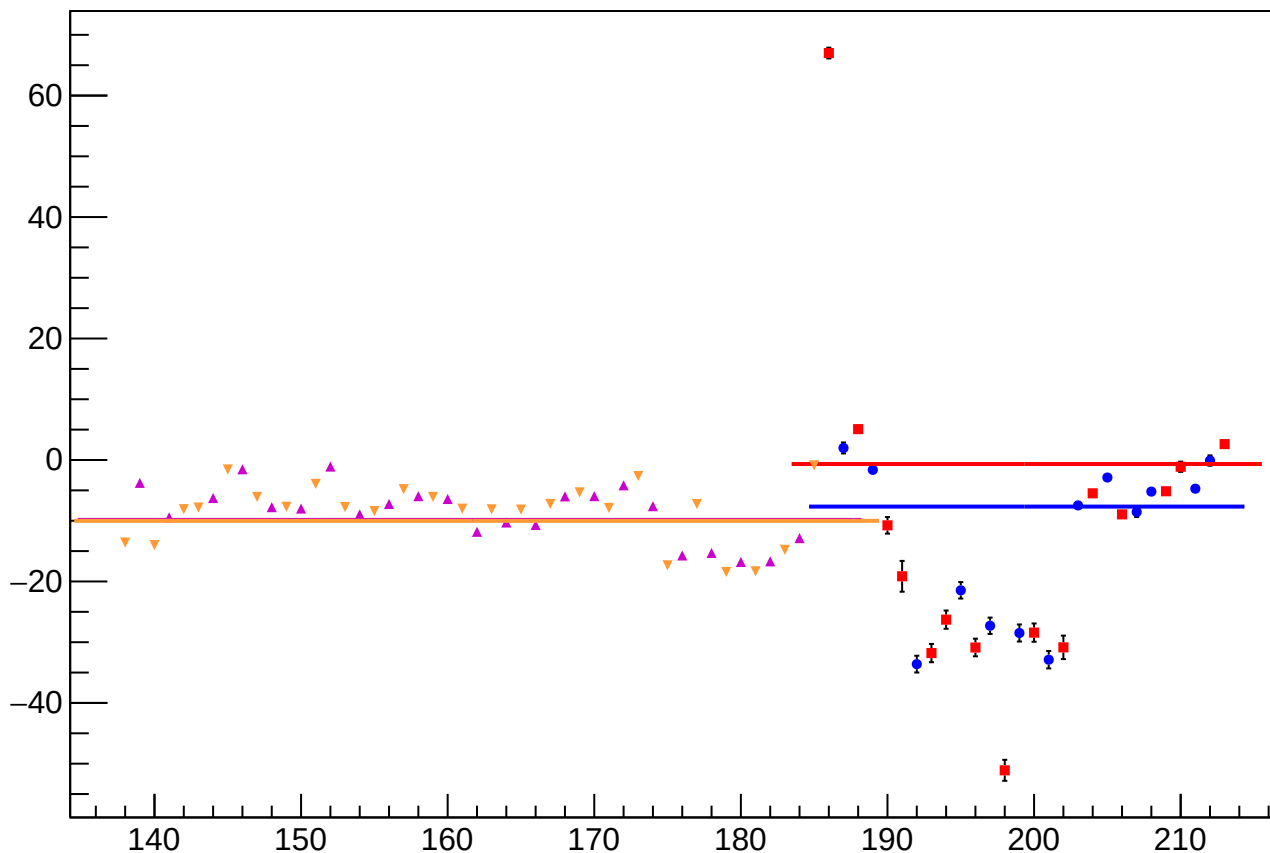
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.033 ± 0.006 χ^2/NDF : 2531.1/37

All: -0.023 ± 0.005 χ^2/NDF : 5886.6/75

- sign -0.012 ± 0.006 χ^2/NDF : 3350.1/37

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -7.672 ± 0.244 χ^2/NDF : 1538.6/12

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.662 ± 0.232 χ^2/NDF : 8933.3/14

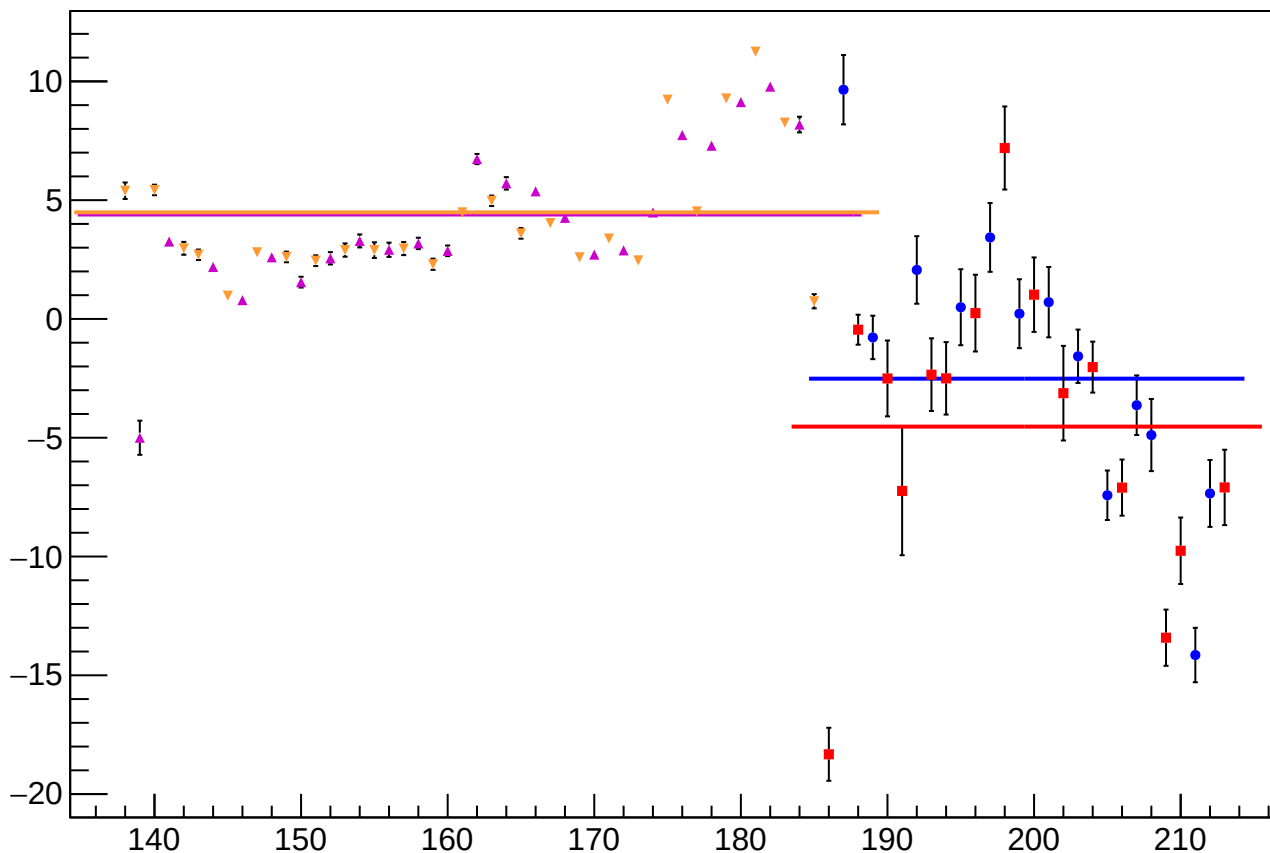
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.920 ± 0.050 χ^2/NDF : 14179.8/37

All: -9.680 ± 0.035 χ^2/NDF : 34009.0/75

- sign -9.434 ± 0.050 χ^2/NDF : 19781.7/37

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -2.514 ± 0.353 χ^2/NDF : 253.2/12

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -4.532 ± 0.328 χ^2/NDF : 350.9/14

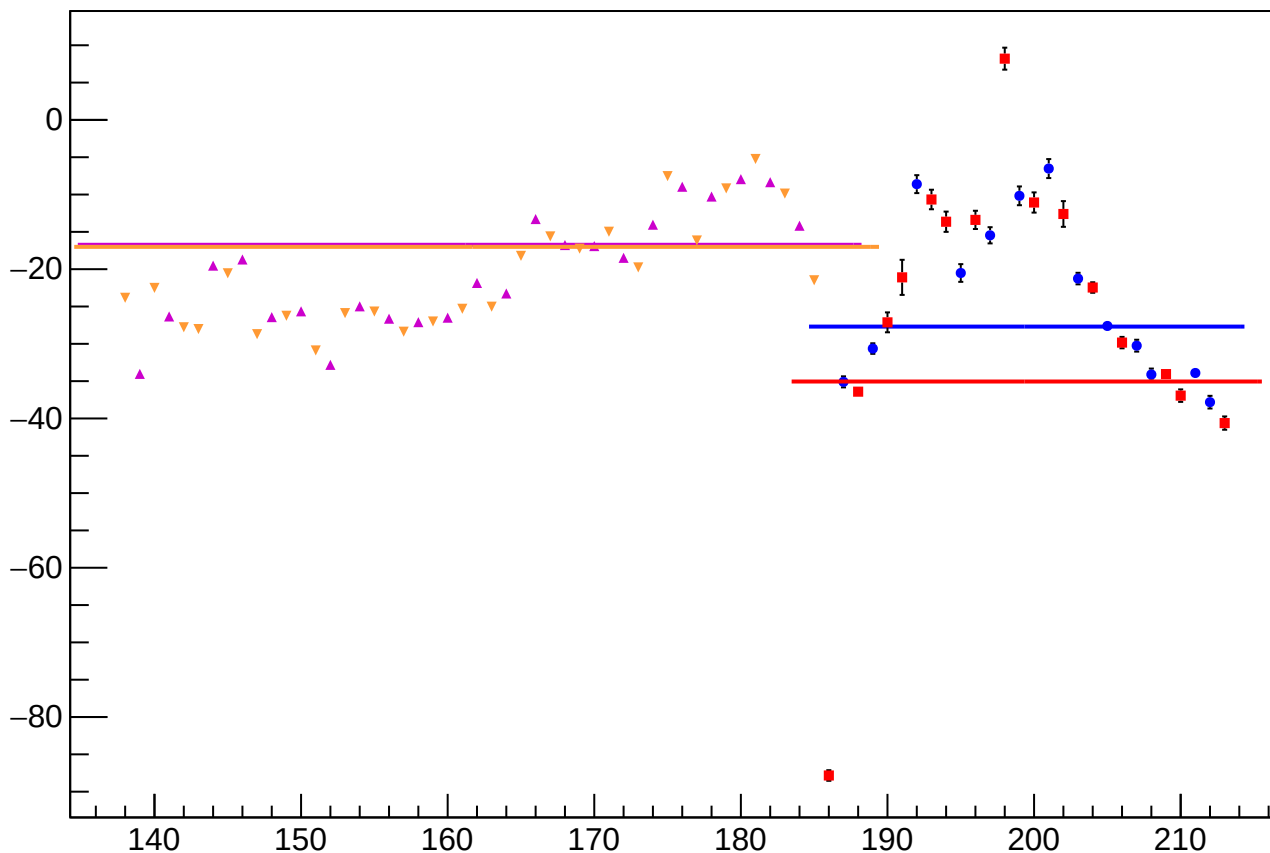
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.397 ± 0.040 χ^2/NDF : 5473.1/37

All: 4.328 ± 0.029 χ^2/NDF : 10788.4/75

- sign 4.257 ± 0.041 χ^2/NDF : 5309.5/37

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -27.691 ± 0.233 χ^2/NDF : 1391.1/12

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -35.049 ± 0.211 χ^2/NDF : 8266.8/14

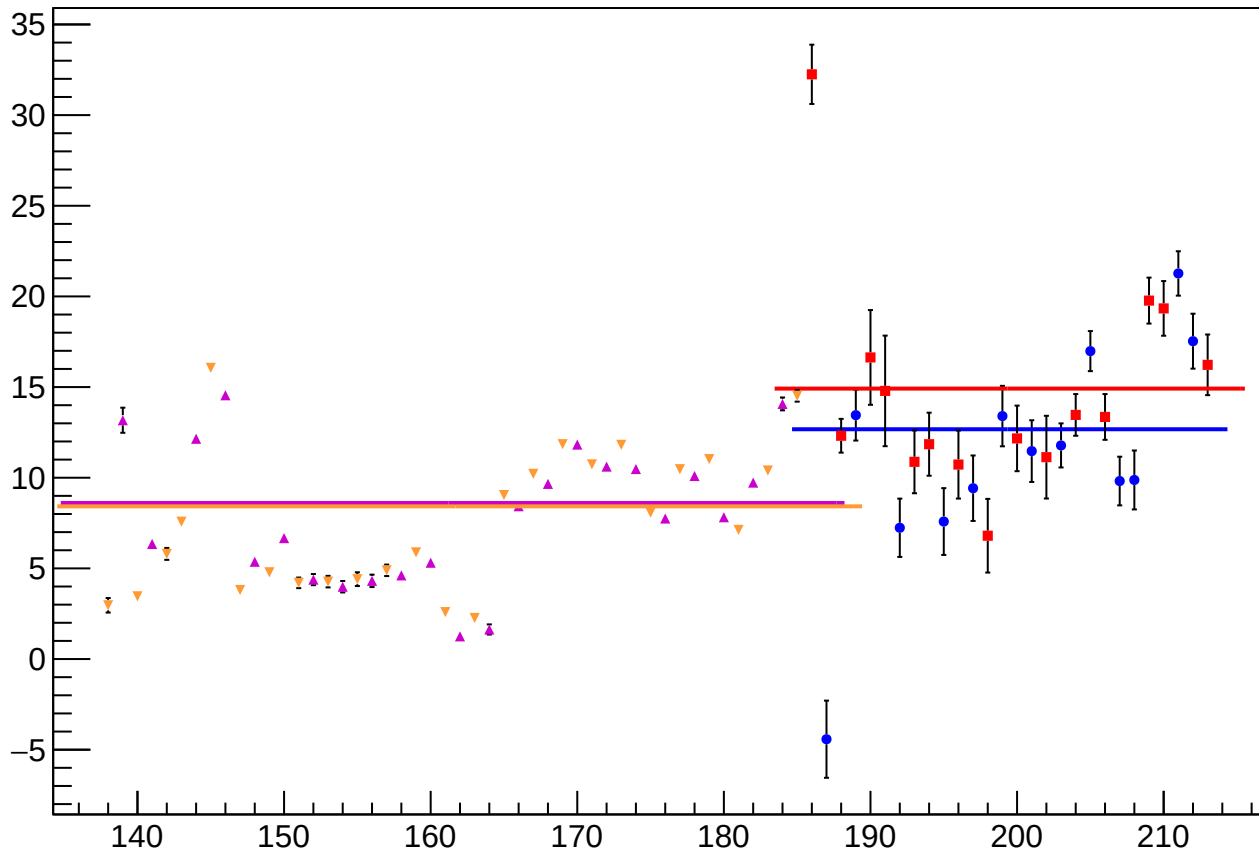
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.498 ± 0.050 χ^2/NDF : 25492.2/37

All: -17.630 ± 0.035 χ^2/NDF : 59662.9/75

- sign -17.763 ± 0.050 χ^2/NDF : 34156.6/37

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 12.674 $\pm$ 0.410 χ^2 /NDF: 170.6/12

Left Out: 8.422 $\pm$ 0.046 χ^2 /NDF: 6470.1/24

Right Out: 14.916 $\pm$ 0.399 χ^2 /NDF: 182.1/14

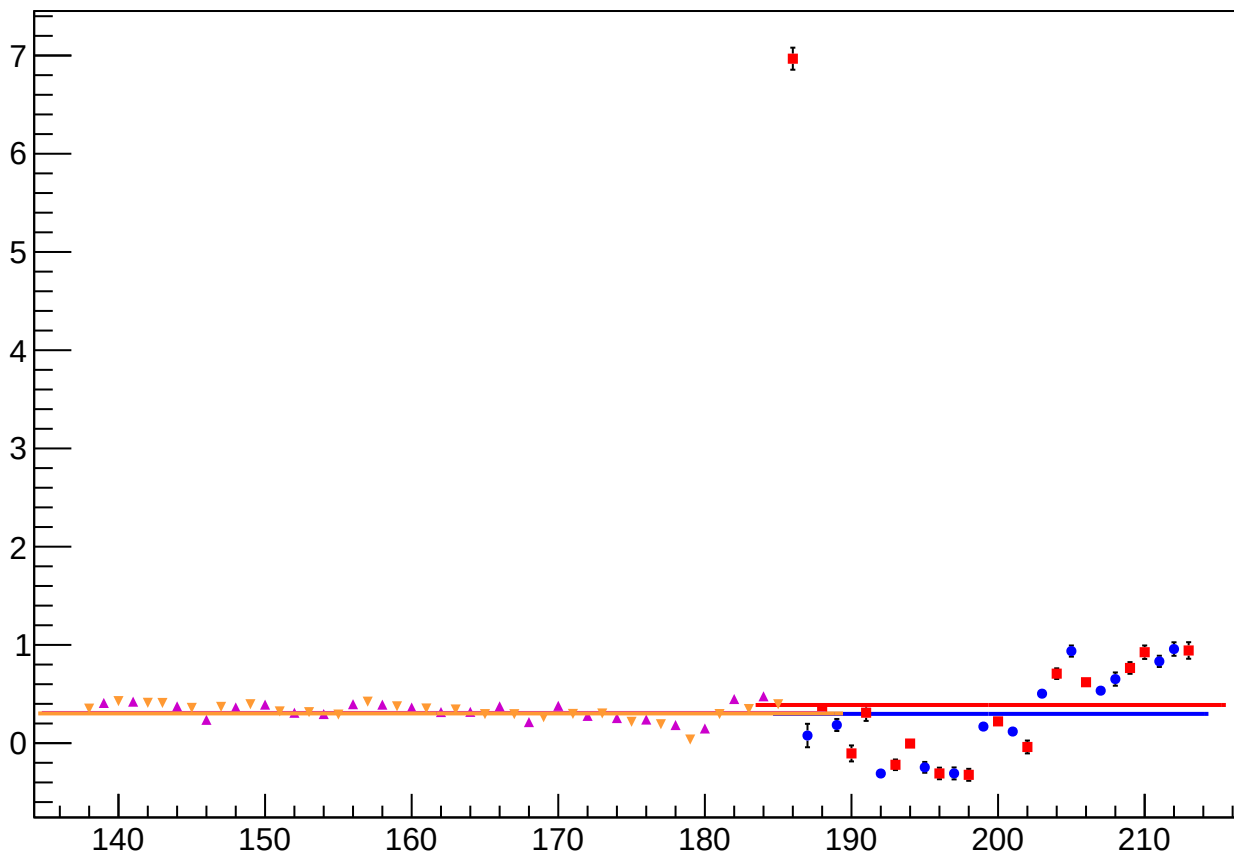
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF: 5504.2/22

+ sign 8.474 $\pm$ 0.045 χ^2 /NDF: 6747.1/37

All: 8.580 $\pm$ 0.032 χ^2 /NDF: 12691.1/75

- sign 8.690 $\pm$ 0.046 χ^2 /NDF: 5932.8/37

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.298 ± 0.016 χ^2/NDF : 740.3/12

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.389 ± 0.015 χ^2/NDF : 4198.6/14

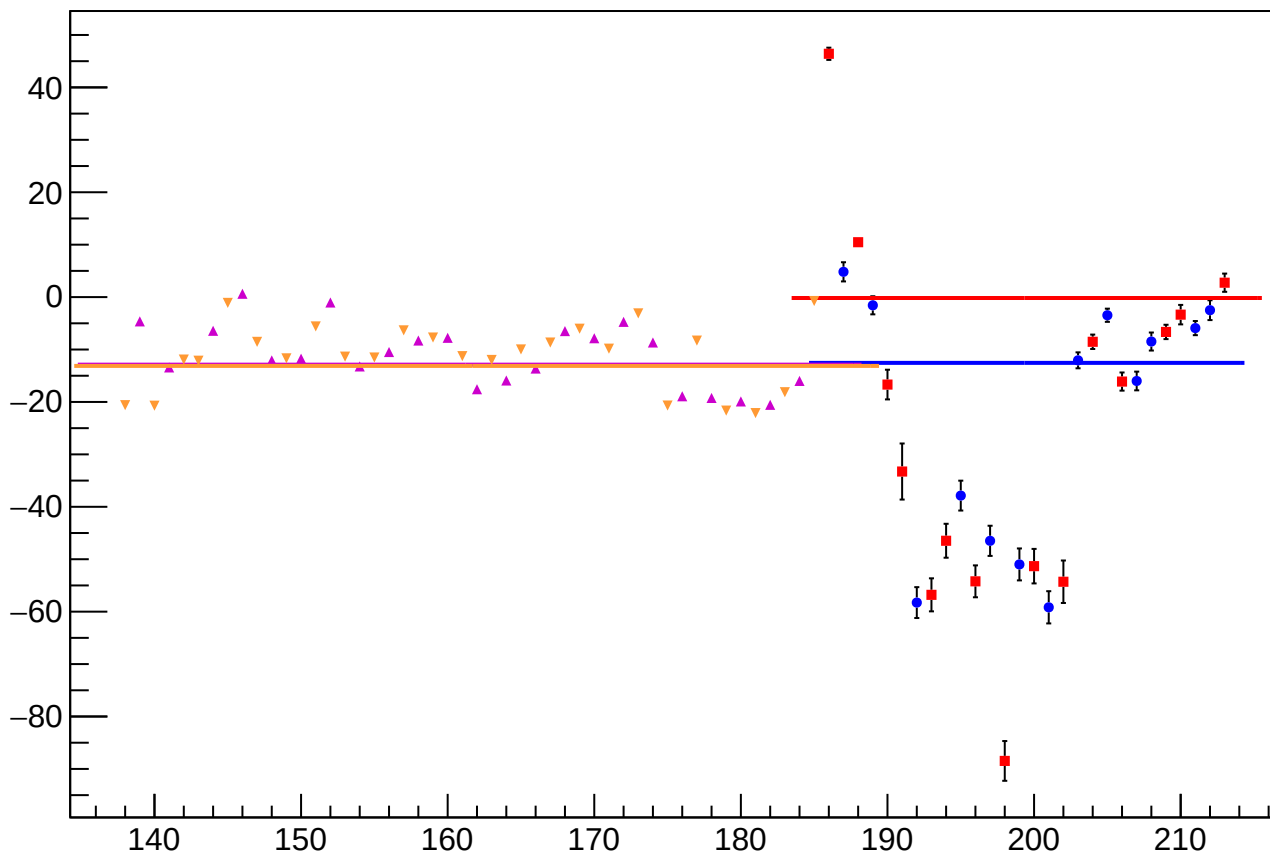
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.302 ± 0.002 χ^2/NDF : 2331.3/37

All: 0.306 ± 0.001 χ^2/NDF : 8261.3/75

- sign 0.309 ± 0.002 χ^2/NDF : 5925.3/37

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -12.545 ± 0.516 χ^2/NDF : 1093.4/12

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: -0.172 ± 0.467 χ^2/NDF : 3752.4/14

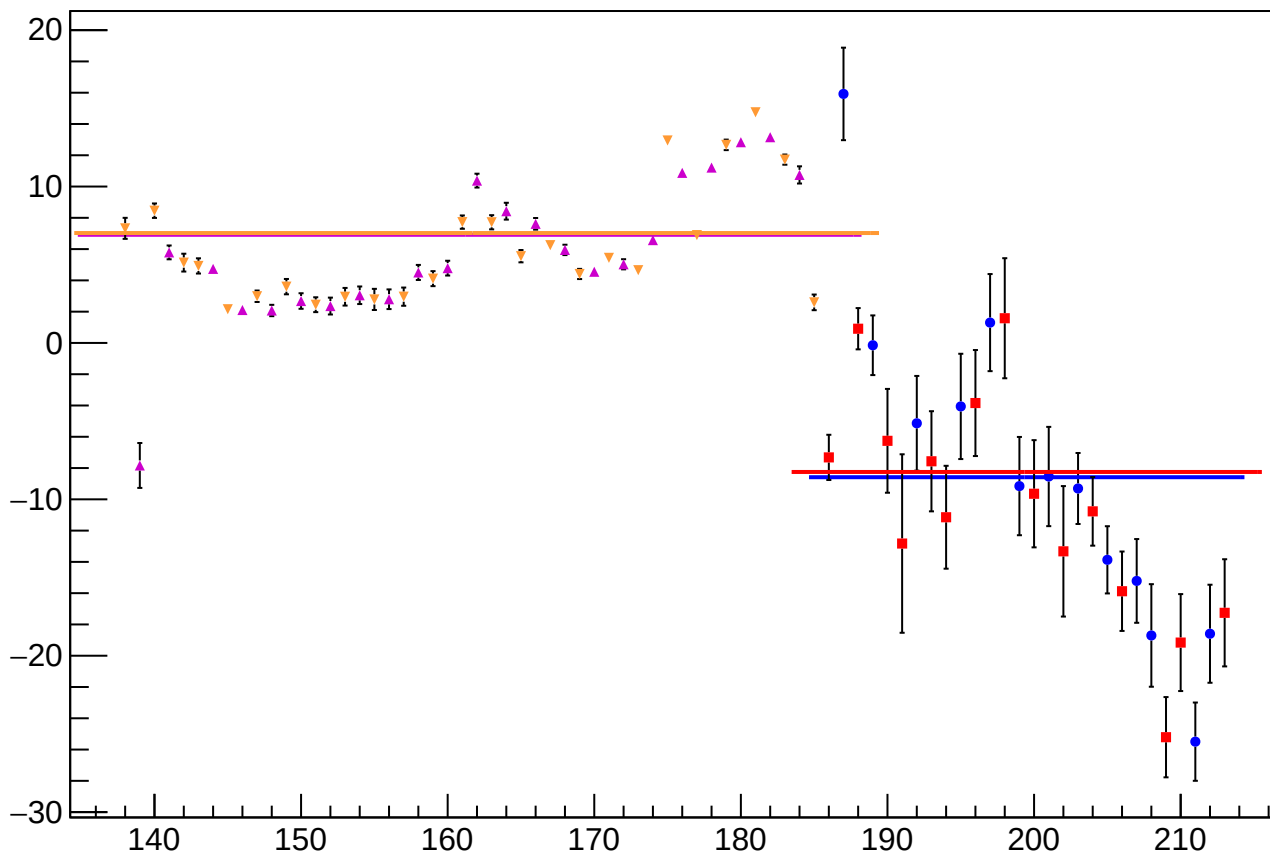
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -13.106 ± 0.092 χ^2/NDF : 7072.2/37

All: -12.747 ± 0.066 χ^2/NDF : 16343.9/75

- sign -12.379 ± 0.093 χ^2/NDF : 9240.9/37

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -8.586 ± 0.746 χ^2/NDF : 179.2/12

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -8.250 ± 0.650 χ^2/NDF : 133.6/14

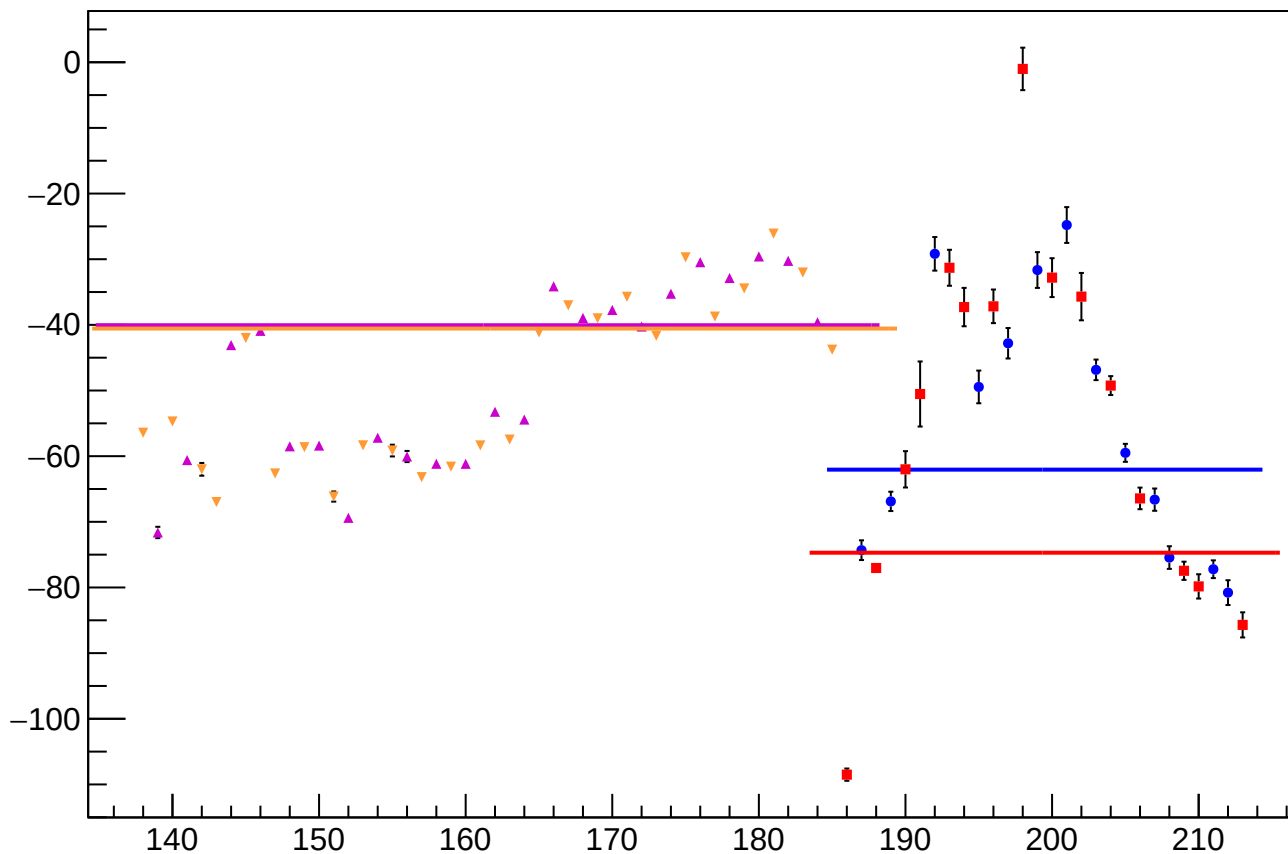
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 6.862 ± 0.077 χ^2/NDF : 3277.6/37

All: 6.782 ± 0.054 χ^2/NDF : 6378.0/75

- sign 6.700 ± 0.077 χ^2/NDF : 3098.2/37

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -62.051 ± 0.492 χ^2/NDF : 1037.2/12

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -74.703 ± 0.418 χ^2/NDF : 3207.8/14

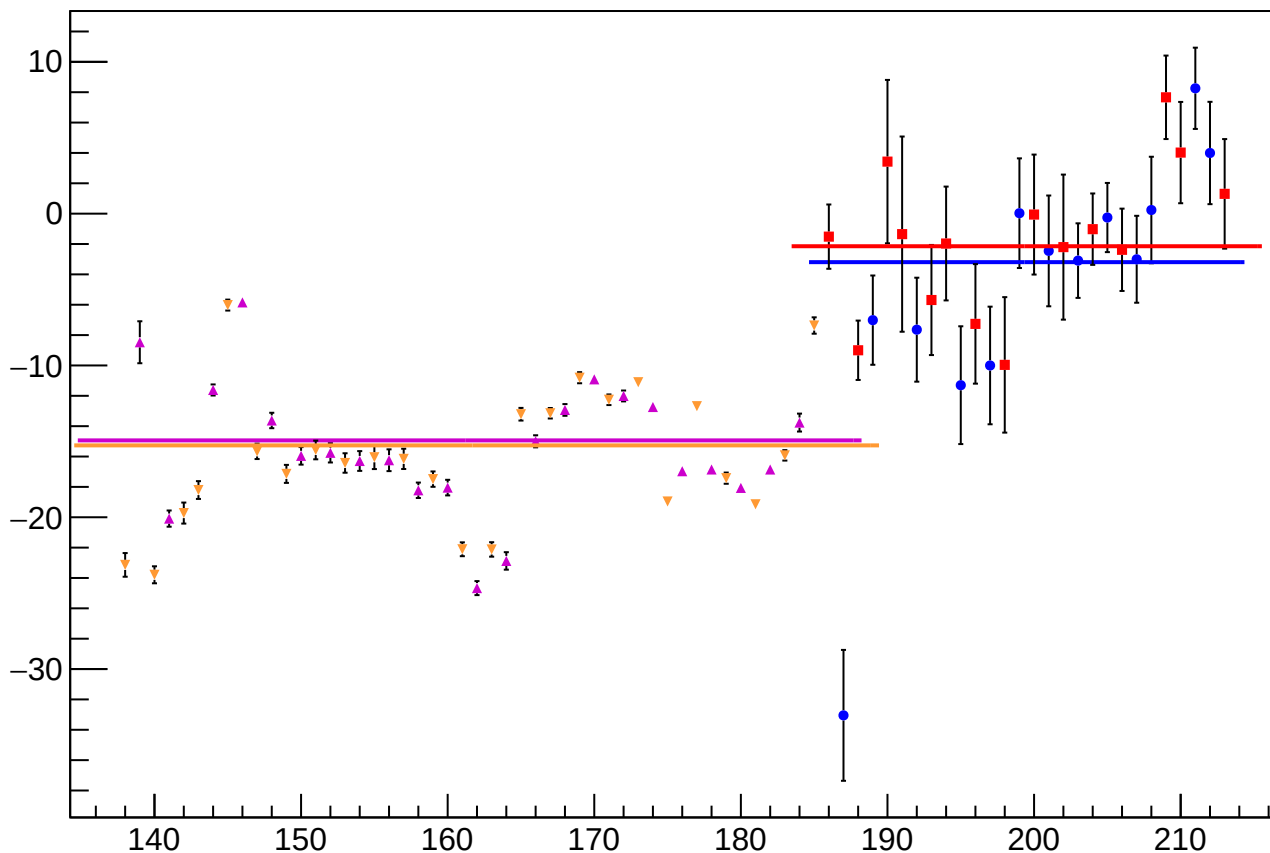
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.330 ± 0.093 χ^2/NDF : 18511.8/37

All: -41.551 ± 0.066 χ^2/NDF : 42173.1/75

- sign -41.774 ± 0.093 χ^2/NDF : 23650.0/37

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -3.195 ± 0.867 $\chi^2/\text{NDF}: 85.1/12$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -2.146 ± 0.809 $\chi^2/\text{NDF}: 36.8/14$

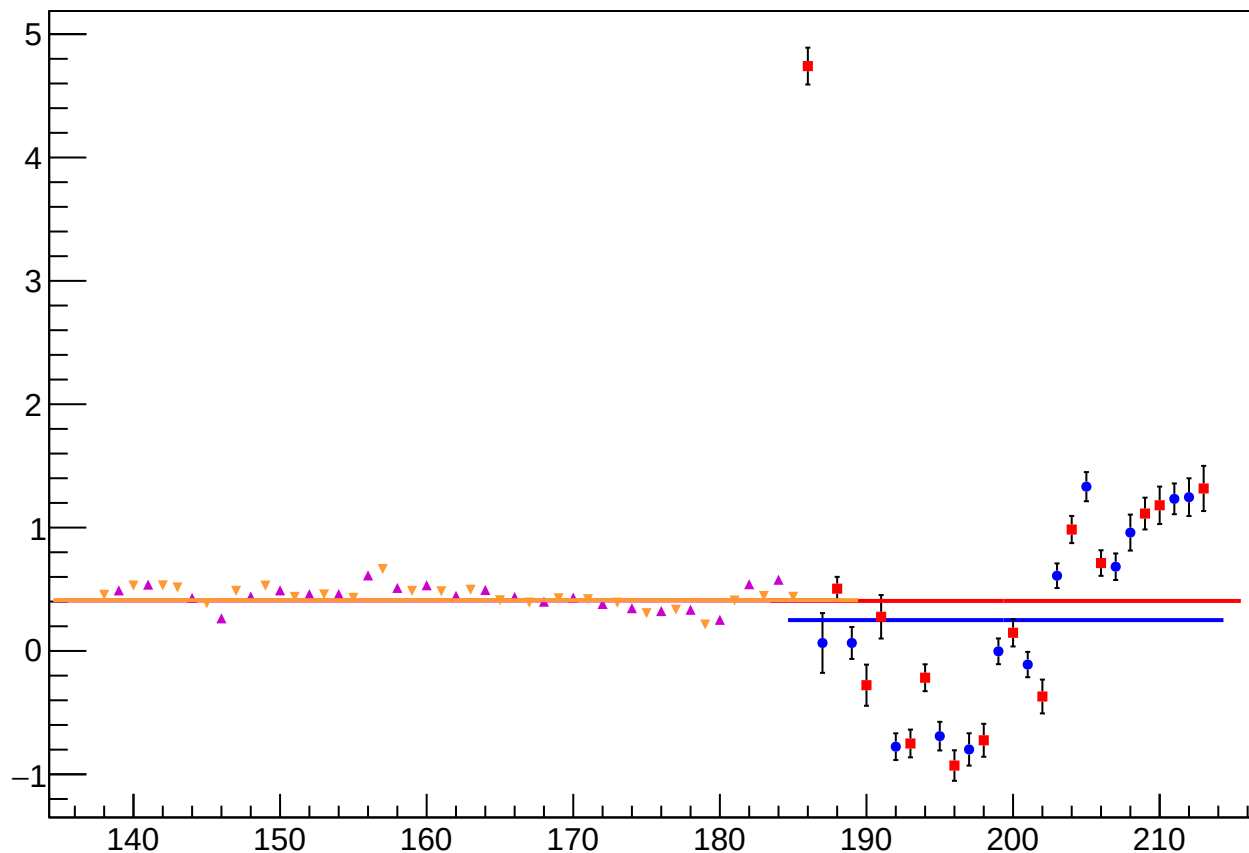
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.148 ± 0.085 $\chi^2/\text{NDF}: 2872.3/37$

All: -14.971 ± 0.061 $\chi^2/\text{NDF}: 5364.7/75$

- sign -14.790 ± 0.086 $\chi^2/\text{NDF}: 2483.7/37$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.250+/-0.033 χ^2/NDF : 481.4/12

Left Out: 0.411+/-0.004 χ^2/NDF : 428.7/24

Right Out: 0.406+/-0.032 χ^2/NDF : 1341.5/14

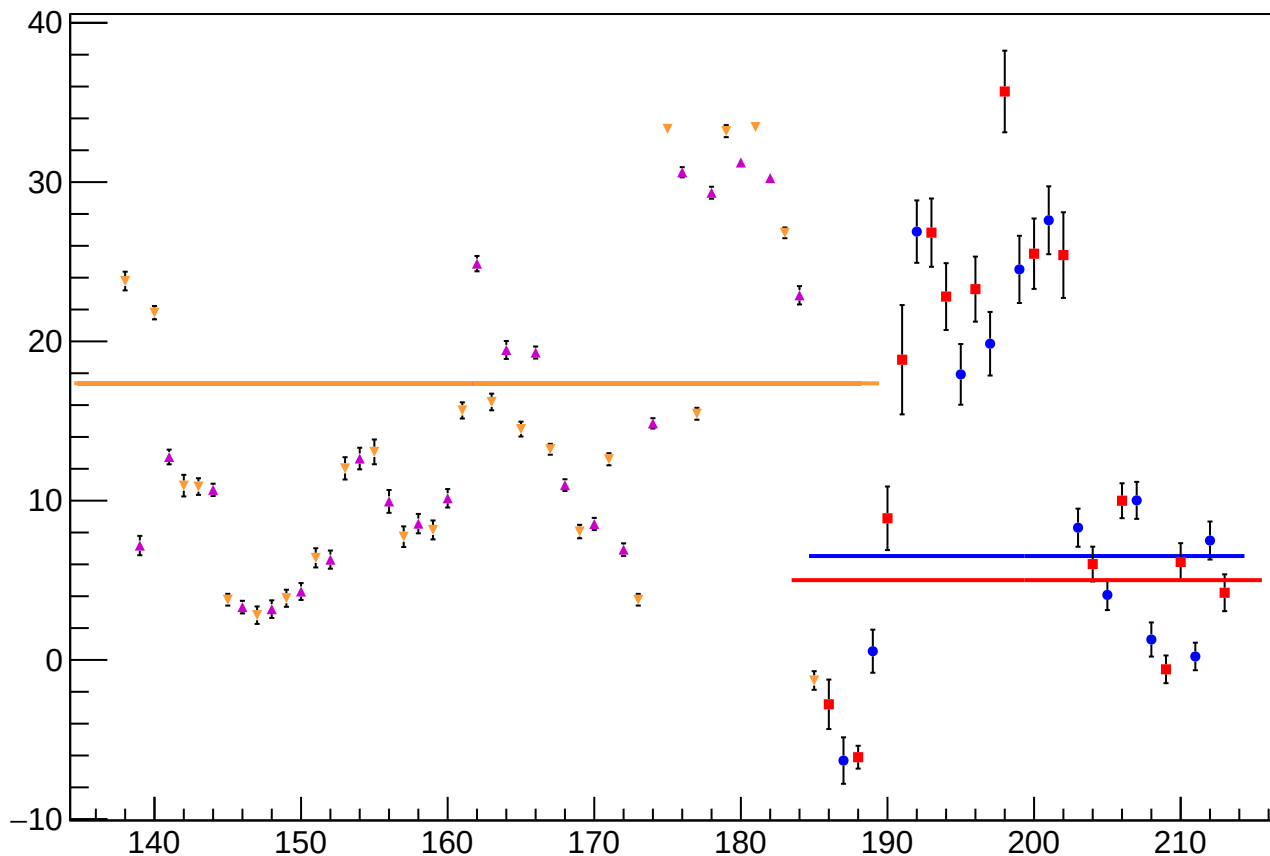
Left In: 0.409+/-0.004 χ^2/NDF : 557.8/22

+ sign 0.409+/-0.004 χ^2/NDF : 933.0/37

All: 0.409+/-0.003 χ^2/NDF : 2832.3/75

- sign 0.409+/-0.004 χ^2/NDF : 1899.3/37

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 6.523 ± 0.360 $\chi^2/\text{NDF}: 551.8/12$

Left Out: 17.367 ± 0.087 $\chi^2/\text{NDF}: 16337.6/24$

Right Out: 5.009 ± 0.346 $\chi^2/\text{NDF}: 892.9/14$

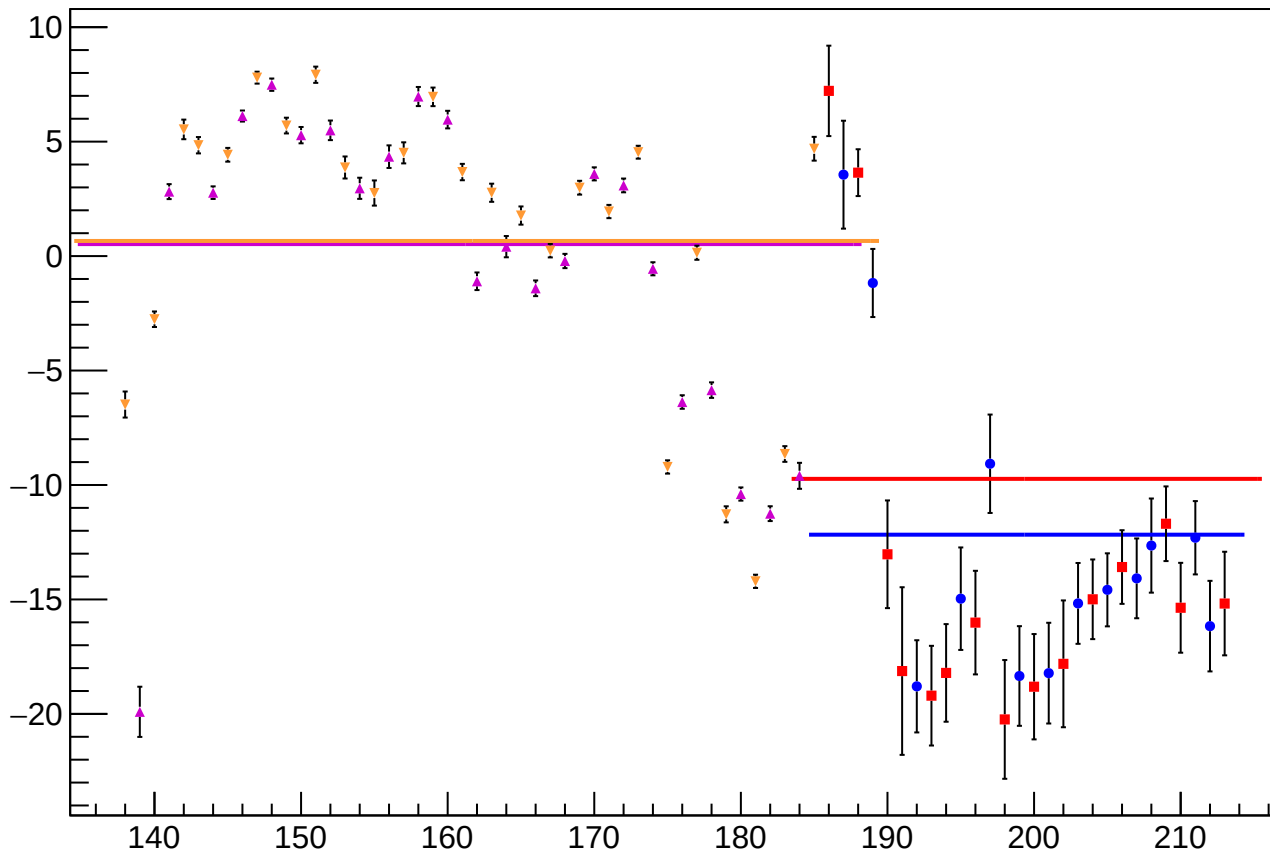
Left In: 17.355 ± 0.089 $\chi^2/\text{NDF}: 12745.1/22$

+ sign 16.769 ± 0.085 $\chi^2/\text{NDF}: 17745.3/37$

All: 16.682 ± 0.060 $\chi^2/\text{NDF}: 32578.0/75$

- sign 16.592 ± 0.086 $\chi^2/\text{NDF}: 14830.5/37$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.171 $\pm$ 0.524 χ^2/NDF : 139.7/12

Left Out: 0.661 $\pm$ 0.069 χ^2/NDF : 8553.9/24

Right Out: -9.732 $\pm$ 0.493 χ^2/NDF : 365.2/14

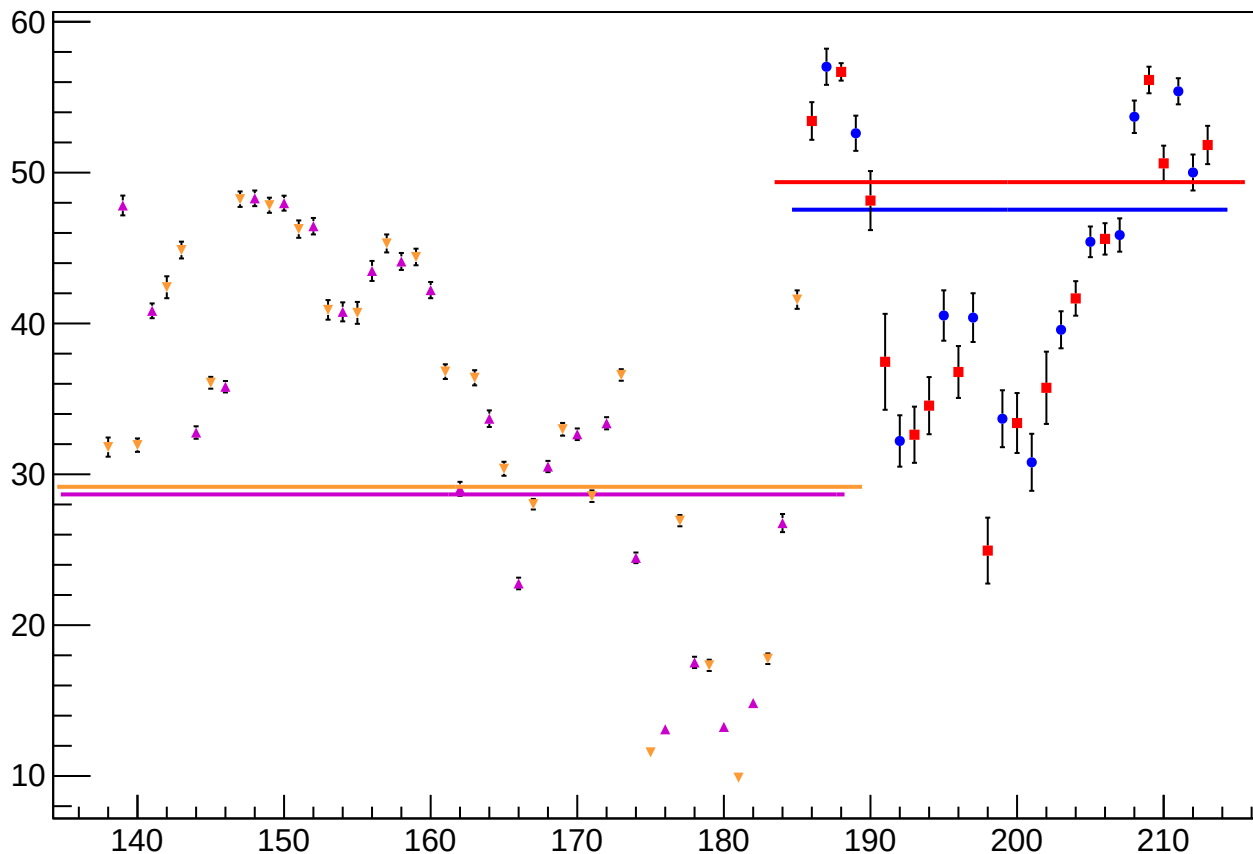
Left In: 0.524 $\pm$ 0.071 χ^2/NDF : 6729.7/22

+ sign 0.440 $\pm$ 0.069 χ^2/NDF : 9282.0/37

All: 0.380 $\pm$ 0.049 χ^2/NDF : 16801.9/75

- sign 0.317 $\pm$ 0.070 χ^2/NDF : 7518.3/37

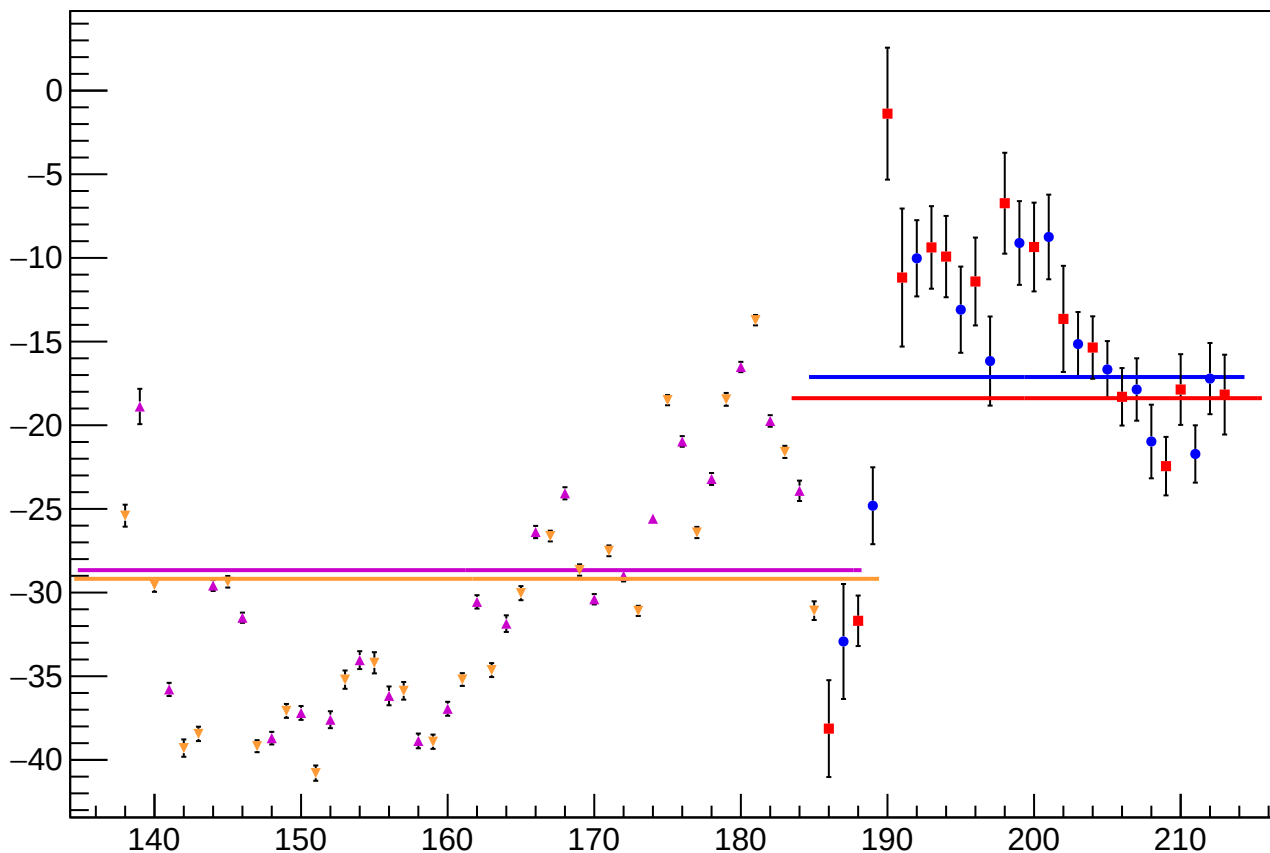
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.543 $\pm$ 0.344 χ^2 /NDF: 500.0/12
 Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24
 Right Out: 49.369 $\pm$ 0.319 χ^2 /NDF: 724.3/14
 Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 30.292 $\pm$ 0.085 χ^2 /NDF: 22146.4/37
 All: 30.231 $\pm$ 0.060 χ^2 /NDF: 43634.9/75
 - sign 30.170 $\pm$ 0.086 χ^2 /NDF: 21487.5/37

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -17.118 ± 0.603 $\chi^2/\text{NDF}: 77.4/12$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -18.383 ± 0.591 $\chi^2/\text{NDF}: 215.3/14$

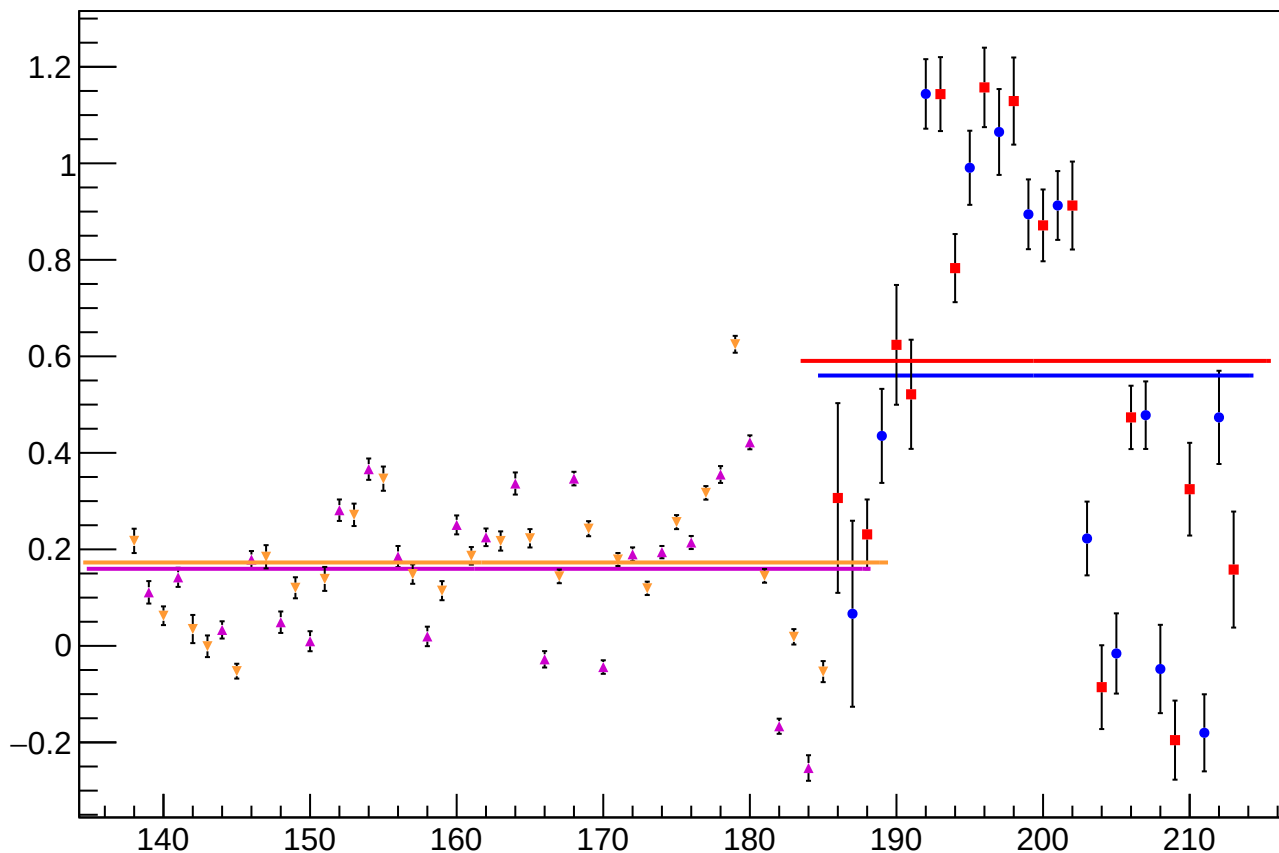
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -28.978 ± 0.078 $\chi^2/\text{NDF}: 9552.4/37$

All: -28.732 ± 0.055 $\chi^2/\text{NDF}: 16755.6/75$

- sign -28.476 ± 0.079 $\chi^2/\text{NDF}: 7182.6/37$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.560 ± 0.023 $\chi^2/\text{NDF}: 383.0/12$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.591 ± 0.022 $\chi^2/\text{NDF}: 372.8/14$

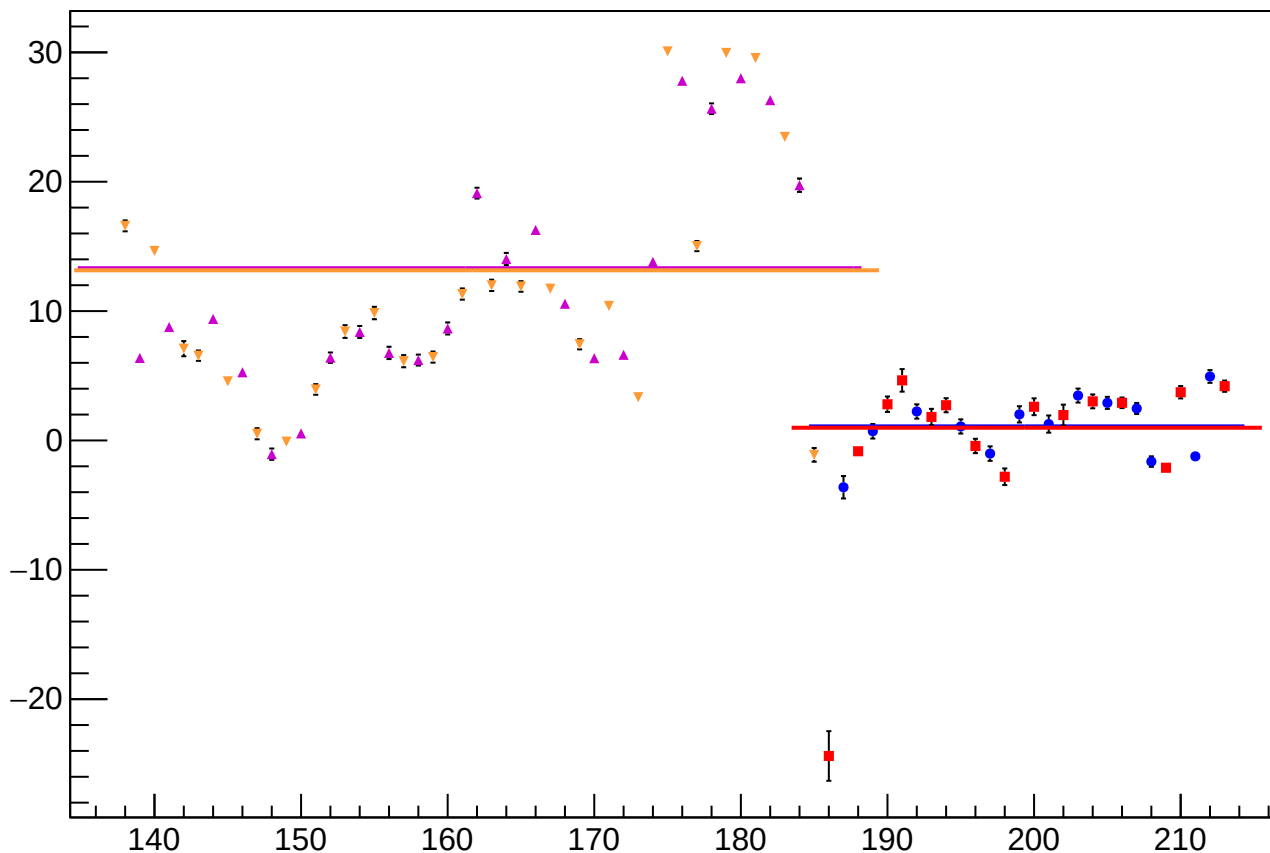
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.182 ± 0.004 $\chi^2/\text{NDF}: 2141.5/37$

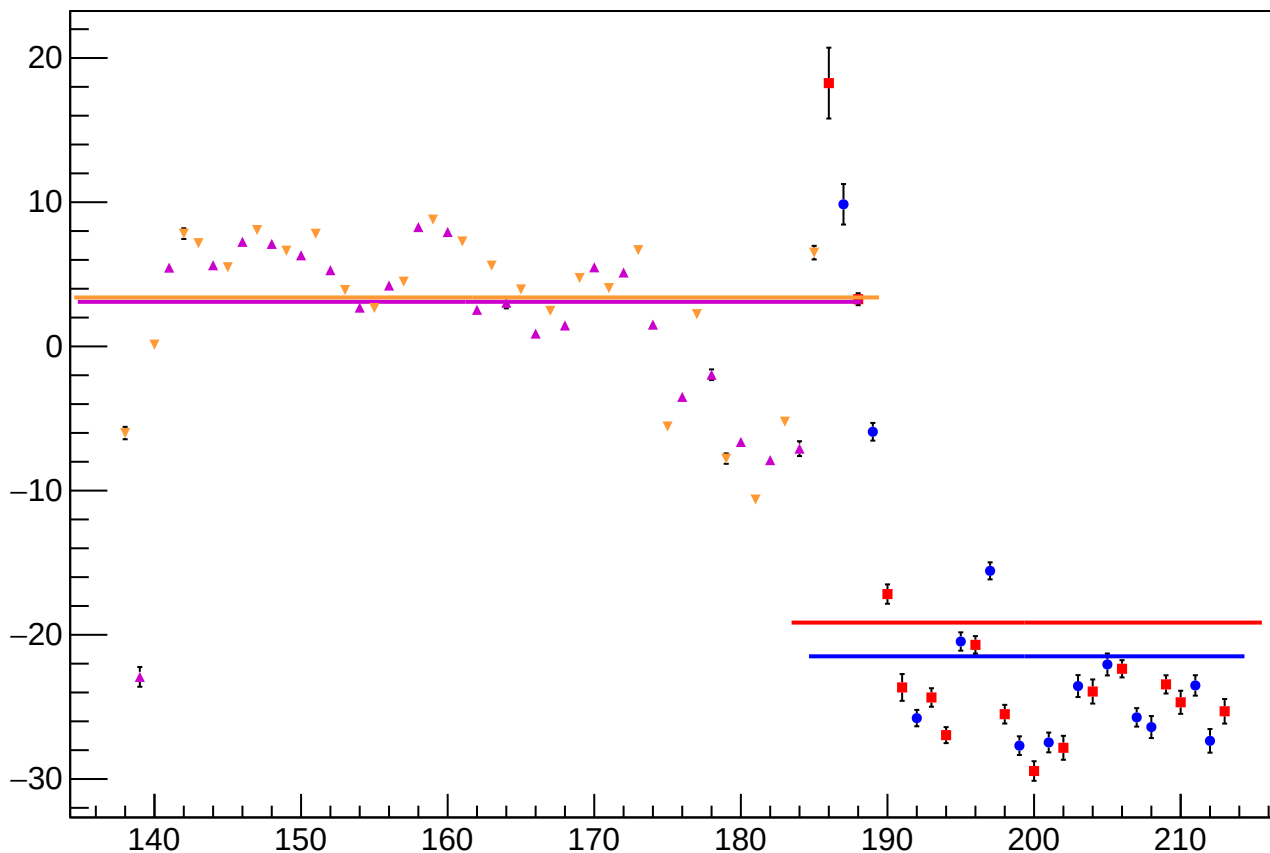
All: 0.177 ± 0.003 $\chi^2/\text{NDF}: 4937.5/75$

- sign 0.171 ± 0.004 $\chi^2/\text{NDF}: 2791.1/37$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -21.492 ± 0.192 $\chi^2/\text{NDF}: 1620.0/12$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -19.152 ± 0.173 $\chi^2/\text{NDF}: 4105.5/14$

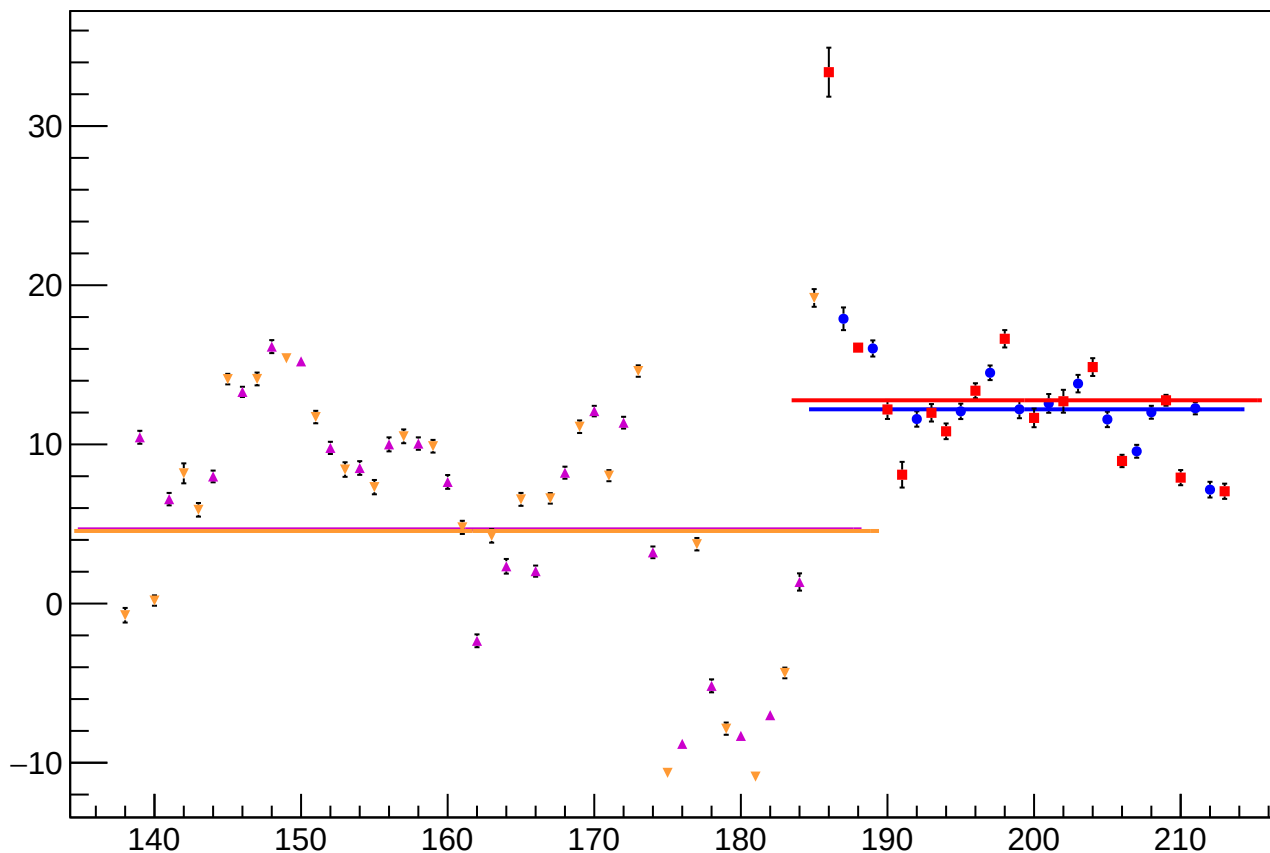
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 1.285 ± 0.056 $\chi^2/\text{NDF}: 25135.4/37$

All: 0.980 ± 0.040 $\chi^2/\text{NDF}: 51147.5/75$

- sign 0.661 ± 0.057 $\chi^2/\text{NDF}: 25951.1/37$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.204 $\pm$ 0.134 χ^2 /NDF: 305.0/12

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 12.771 $\pm$ 0.118 χ^2 /NDF: 852.9/14

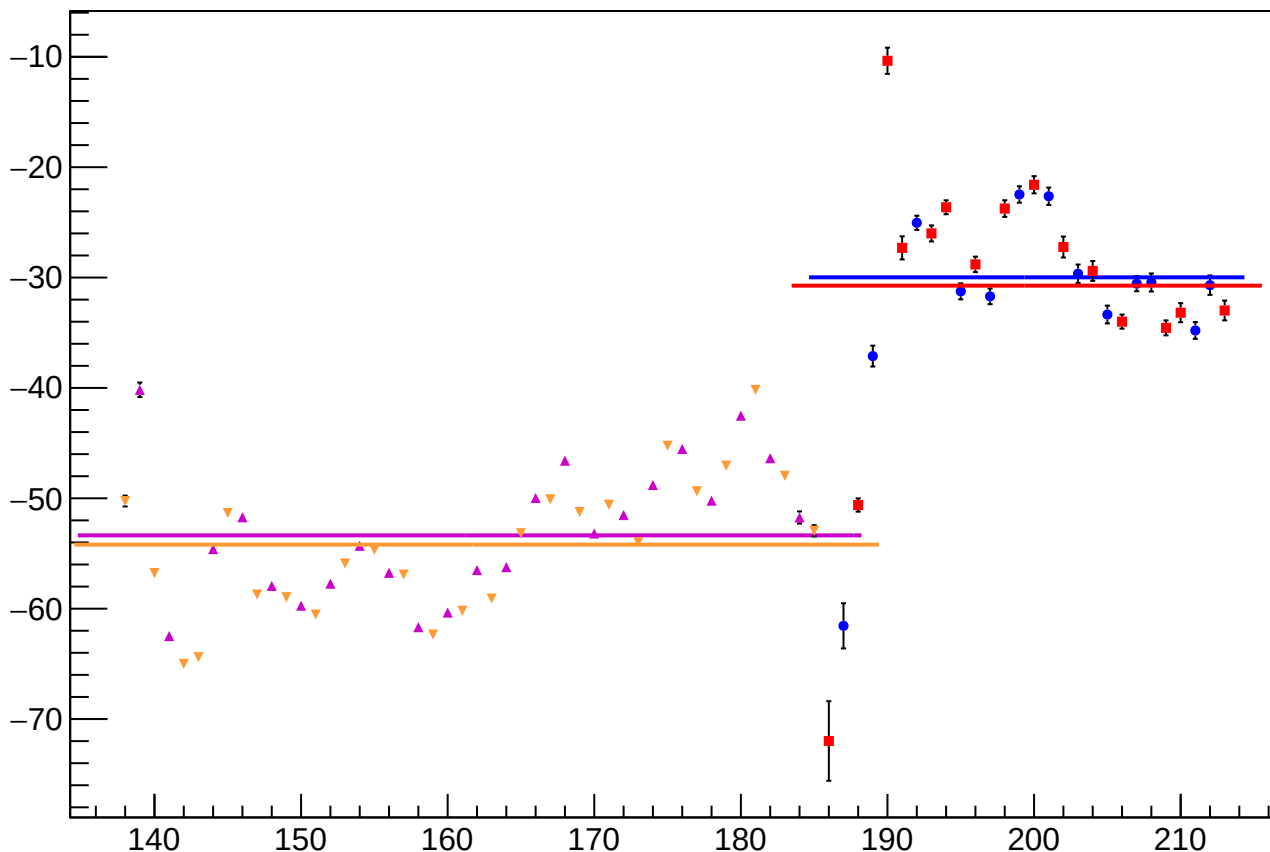
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 6.401 $\pm$ 0.066 χ^2 /NDF: 16371.9/37

All: 6.737 $\pm$ 0.046 χ^2 /NDF: 31855.2/75

- sign 7.061 $\pm$ 0.064 χ^2 /NDF: 15431.9/37

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -29.979 ± 0.220 $\chi^2/\text{NDF}: 610.9/12$

Left Out: -54.199 ± 0.066 $\chi^2/\text{NDF}: 8454.7/24$

Right Out: -30.732 ± 0.205 $\chi^2/\text{NDF}: 2023.8/14$

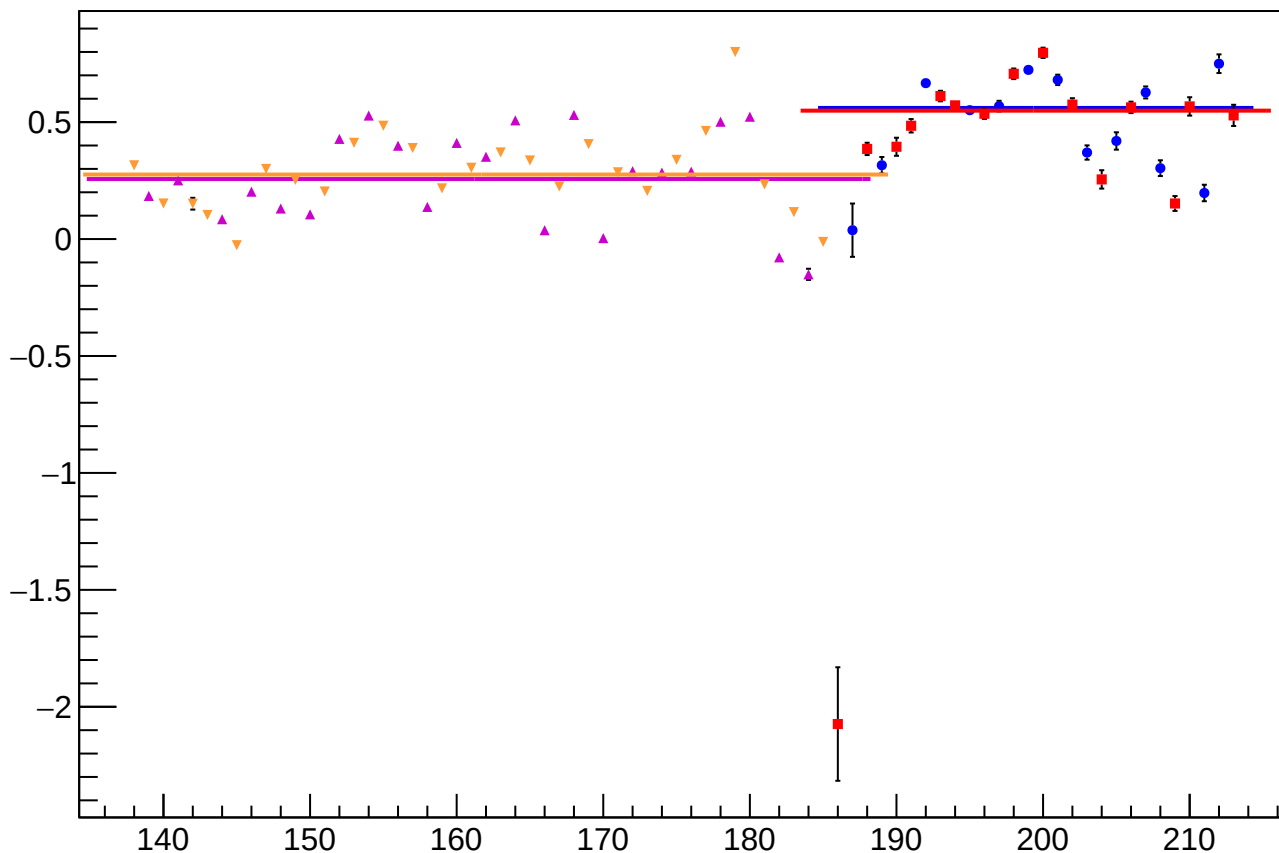
Left In: -53.359 ± 0.068 $\chi^2/\text{NDF}: 6882.0/22$

+ sign -52.176 ± 0.064 $\chi^2/\text{NDF}: 20183.4/37$

All: -51.640 ± 0.045 $\chi^2/\text{NDF}: 40223.3/75$

- sign -51.081 ± 0.065 $\chi^2/\text{NDF}: 19894.8/37$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.561 ± 0.008 χ^2/NDF : 430.5/12

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.549 ± 0.007 χ^2/NDF : 575.1/14

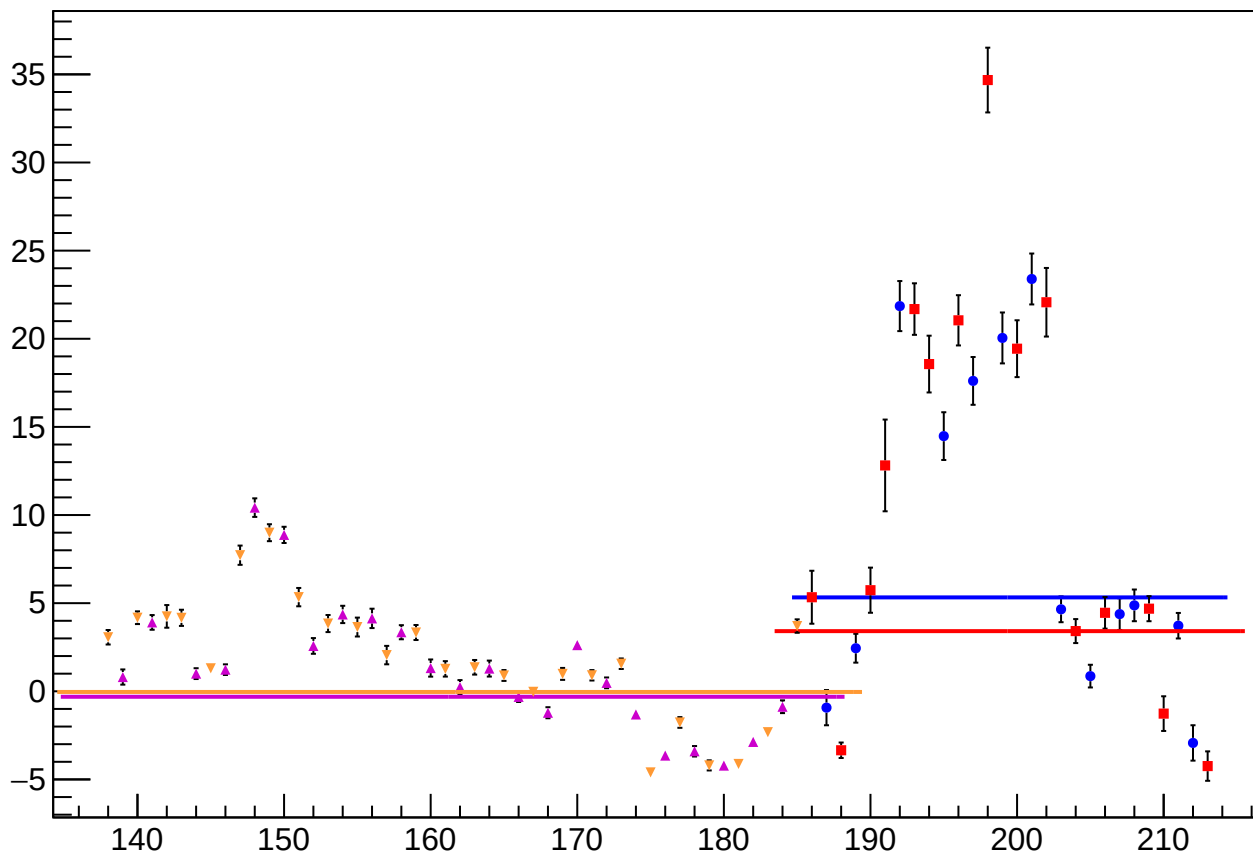
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.315 ± 0.003 χ^2/NDF : 4255.0/37

All: 0.310 ± 0.002 χ^2/NDF : 9905.3/75

- sign 0.304 ± 0.003 χ^2/NDF : 5643.0/37

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 5.327 ± 0.261 $\chi^2/\text{NDF}: 698.0/12$

Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 3.413 ± 0.246 $\chi^2/\text{NDF}: 1244.3/14$

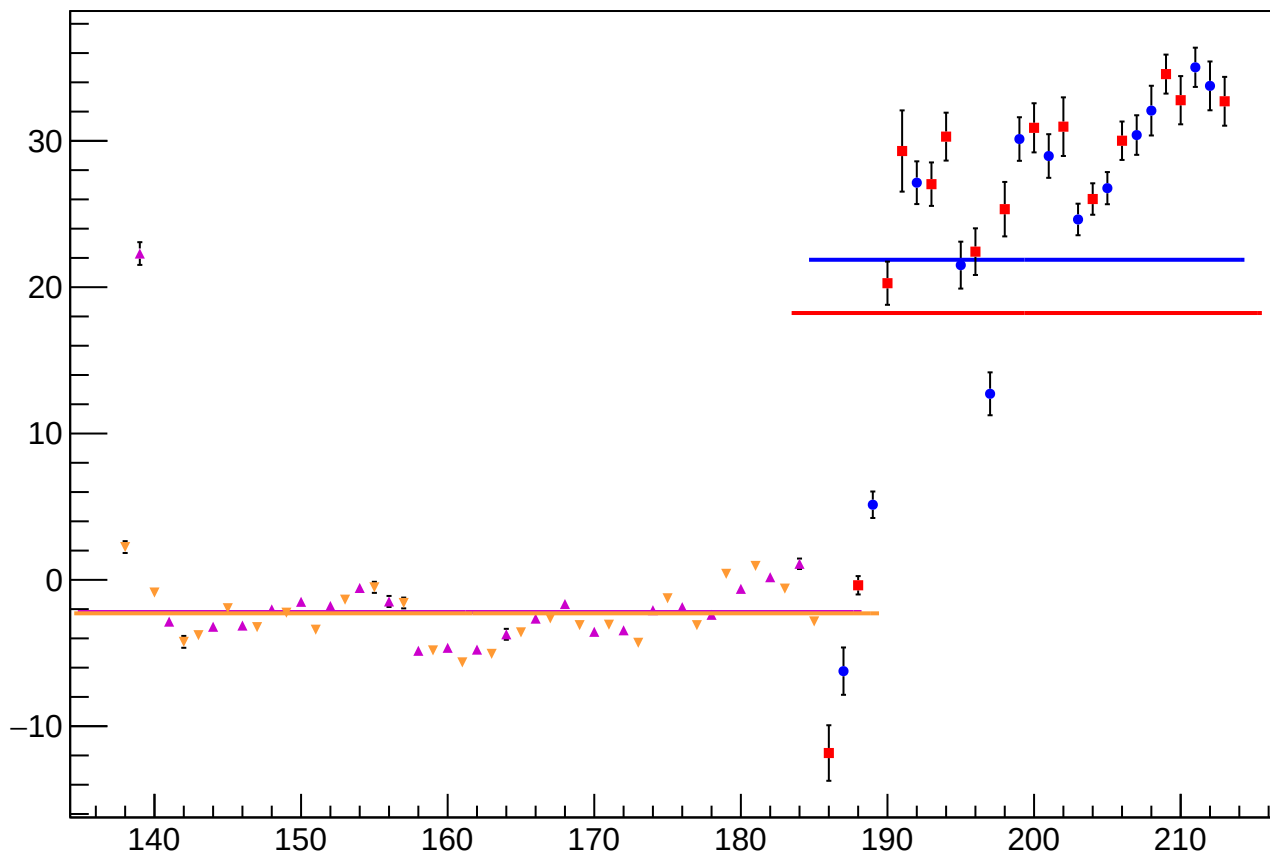
Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.285 ± 0.064 $\chi^2/\text{NDF}: 3732.9/37$

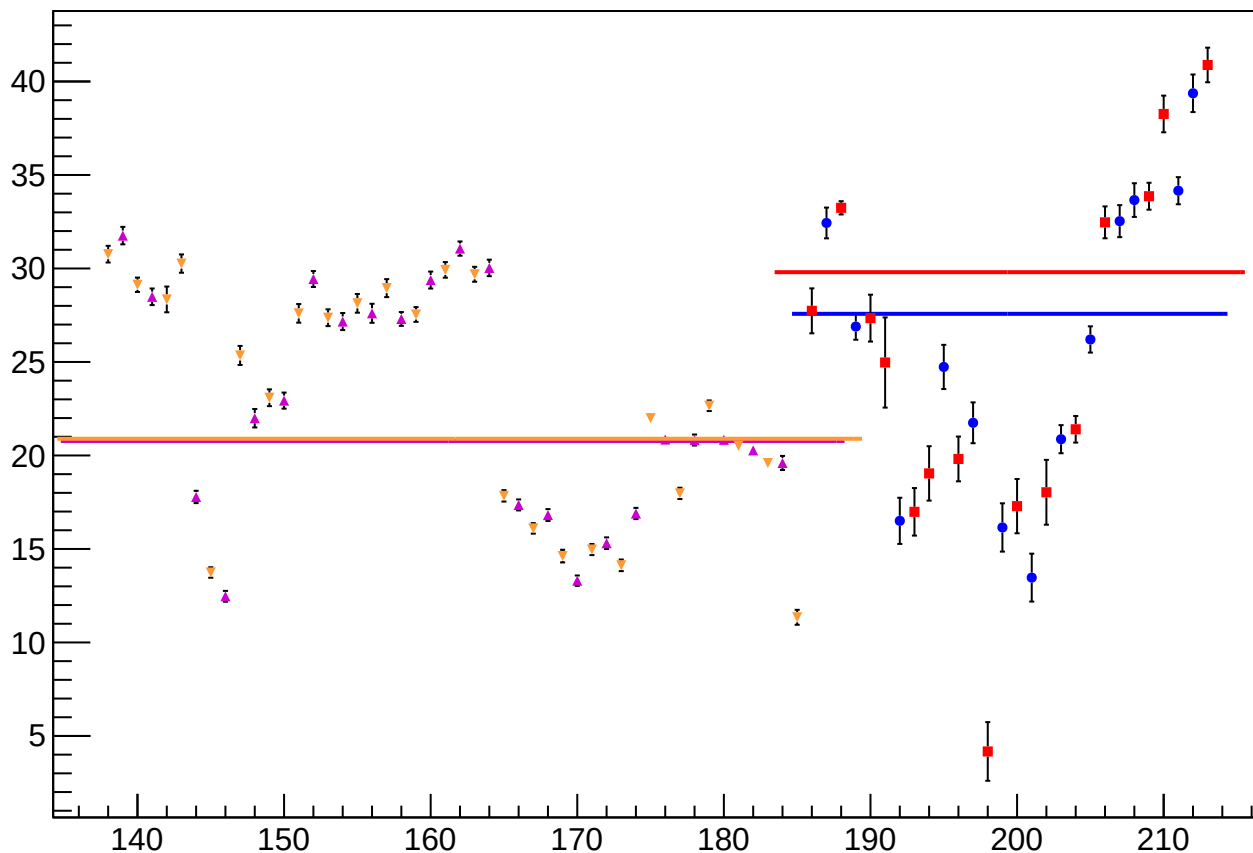
All: 0.120 ± 0.046 $\chi^2/\text{NDF}: 7454.4/75$

- sign -0.051 ± 0.065 $\chi^2/\text{NDF}: 3707.9/37$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 27.575 $\pm$ 0.248 χ^2 /NDF: 732.4/12

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF: 6655.4/24

Right Out: 29.802 $\pm$ 0.224 χ^2 /NDF: 1117.4/14

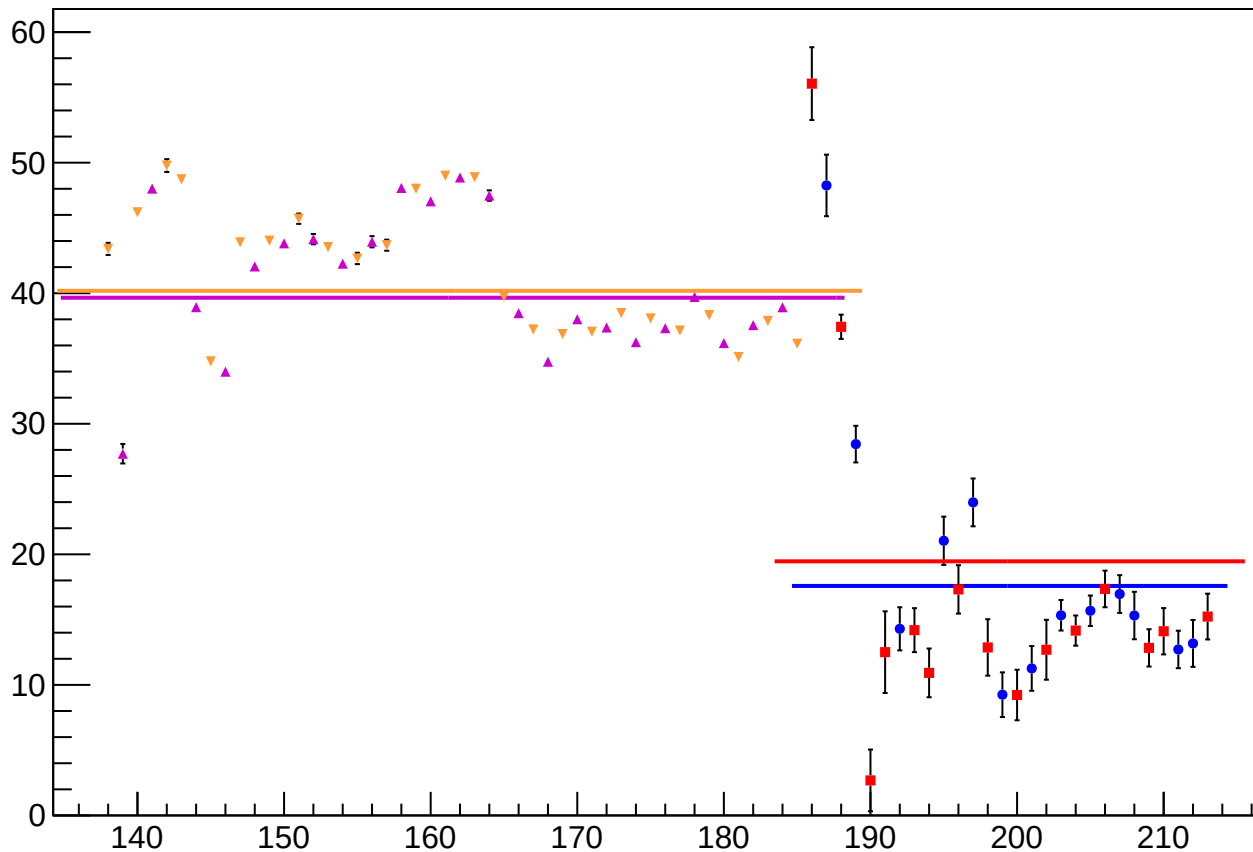
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 21.343 $\pm$ 0.064 χ^2 /NDF: 8062.1/37

All: 21.435 $\pm$ 0.046 χ^2 /NDF: 16603.4/75

- sign 21.528 $\pm$ 0.065 χ^2 /NDF: 8537.2/37

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 17.580 ± 0.431 χ^2/NDF : 311.8/12

Left Out: 40.186 ± 0.060 χ^2/NDF : 5932.7/24

Right Out: 19.465 ± 0.424 χ^2/NDF : 738.5/14

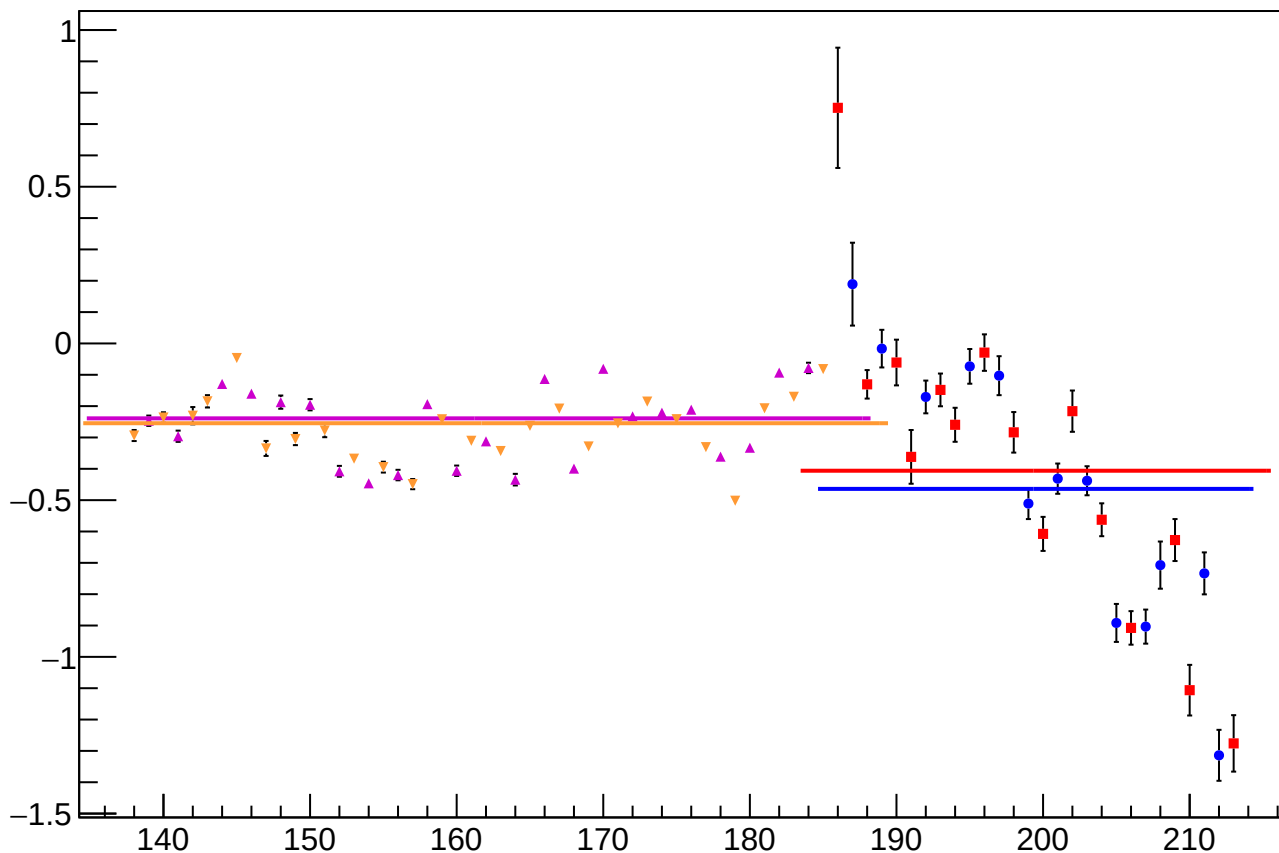
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 39.752 ± 0.060 χ^2/NDF : 8936.6/37

All: 39.500 ± 0.043 χ^2/NDF : 17229.8/75

- sign 39.240 ± 0.061 χ^2/NDF : 8257.2/37

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.464 ± 0.016 χ^2/NDF : 448.0/12

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.406 ± 0.016 χ^2/NDF : 471.2/14

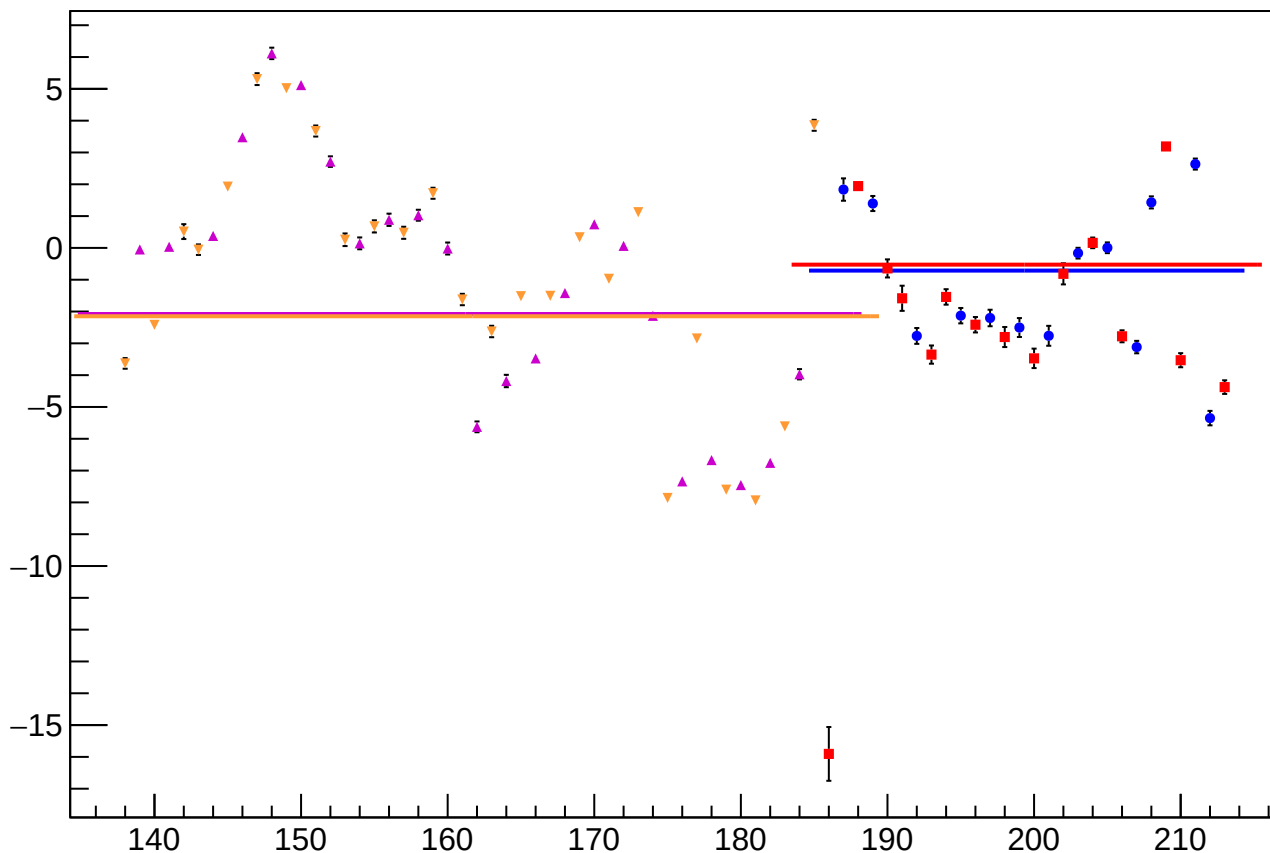
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.260 ± 0.003 χ^2/NDF : 2028.5/37

All: -0.252 ± 0.002 χ^2/NDF : 4373.0/75

- sign -0.244 ± 0.003 χ^2/NDF : 2326.2/37

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.713 ± 0.061 χ^2/NDF : 1440.0/12

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.526 ± 0.055 χ^2/NDF : 2389.3/14

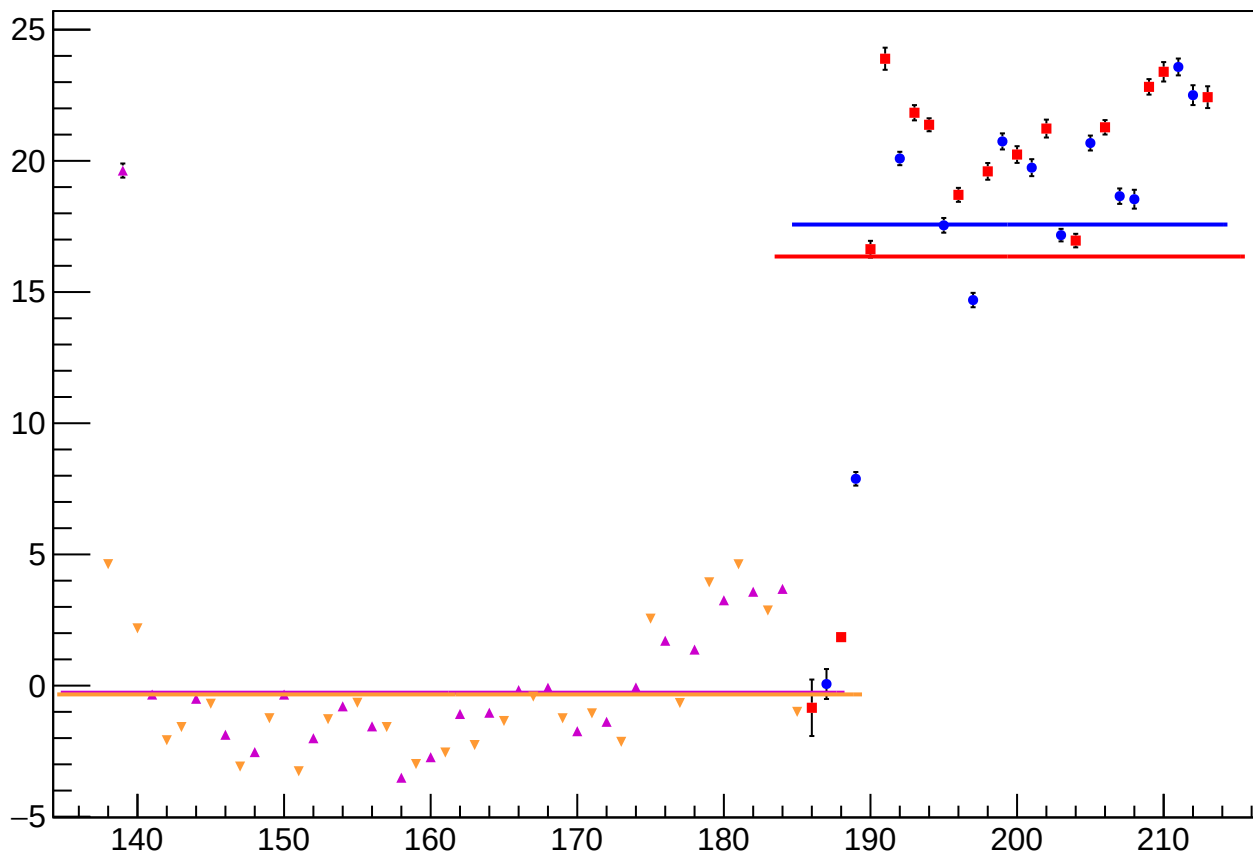
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.931 ± 0.024 χ^2/NDF : 26451.5/37

All: -1.864 ± 0.017 χ^2/NDF : 52744.7/75

- sign -1.797 ± 0.024 χ^2/NDF : 26277.0/37

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 17.573 ± 0.083 χ^2/NDF : 3360.3/12

Left Out: -0.335 ± 0.021 χ^2/NDF : 12596.1/24

Right Out: 16.354 ± 0.075 χ^2/NDF : 11334.0/14

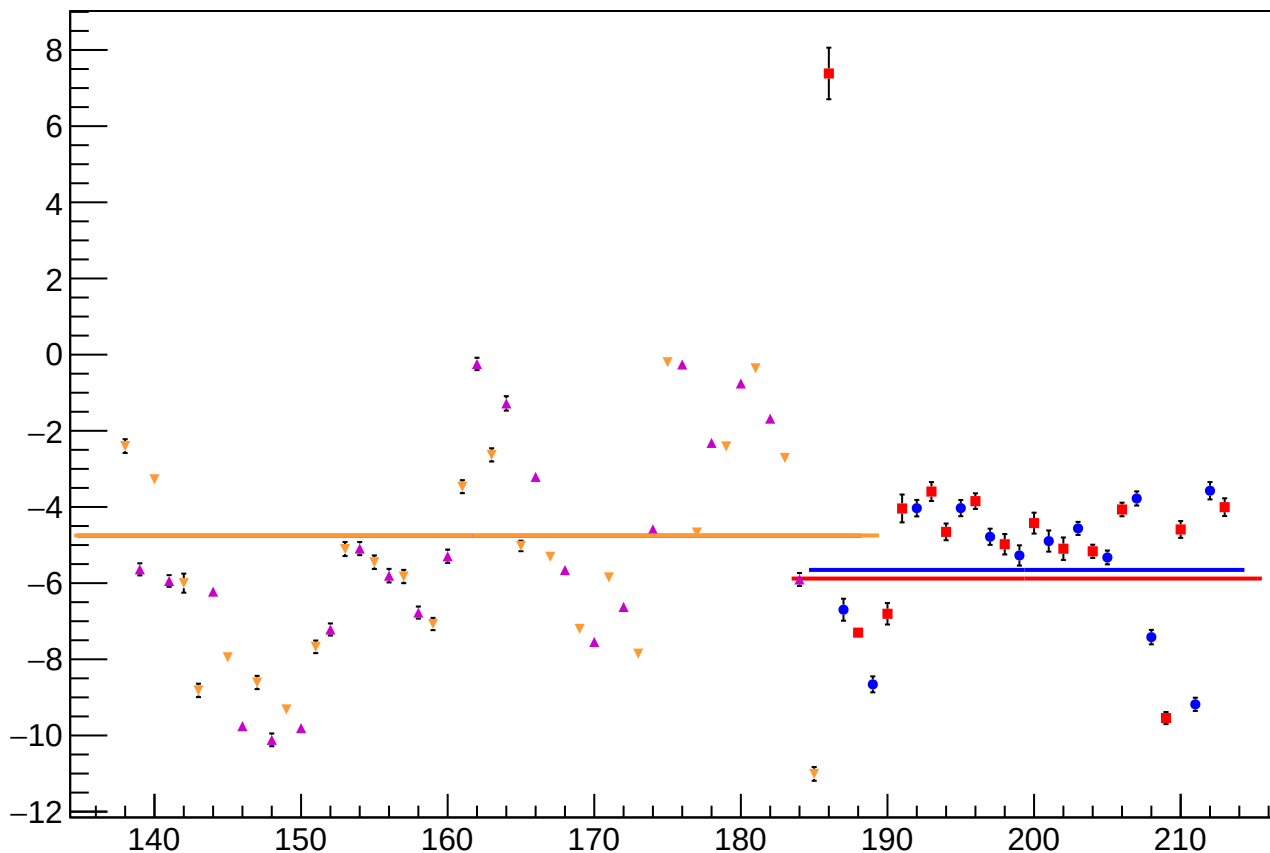
Left In: -0.269 ± 0.021 χ^2/NDF : 13323.1/22

+ sign 0.703 ± 0.020 χ^2/NDF : 59848.5/37

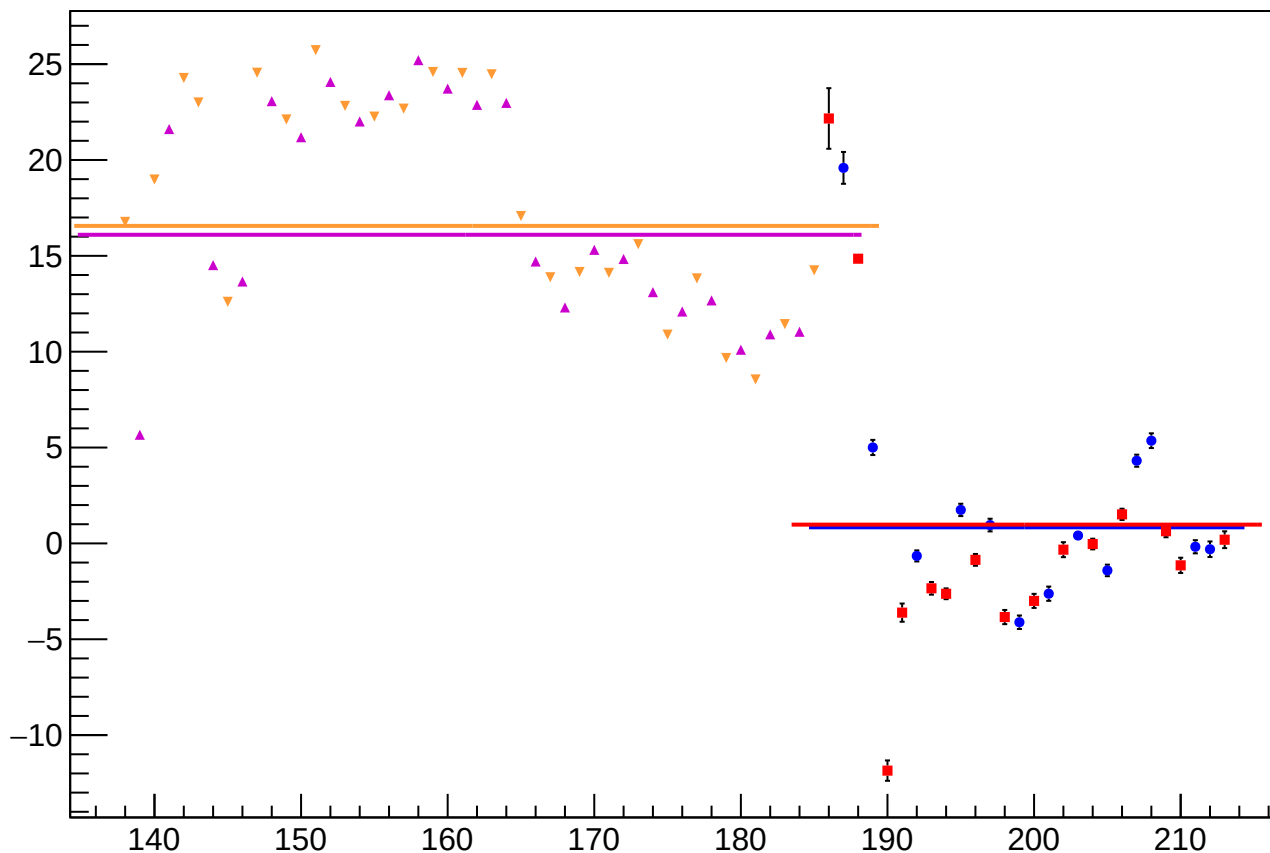
All: 0.818 ± 0.014 χ^2/NDF : 130199.6/75

- sign 0.935 ± 0.020 χ^2/NDF : 70284.7/37

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.839 ± 0.095 $\chi^2/\text{NDF}: 1273.0/12$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 0.979 ± 0.089 $\chi^2/\text{NDF}: 5020.0/14$

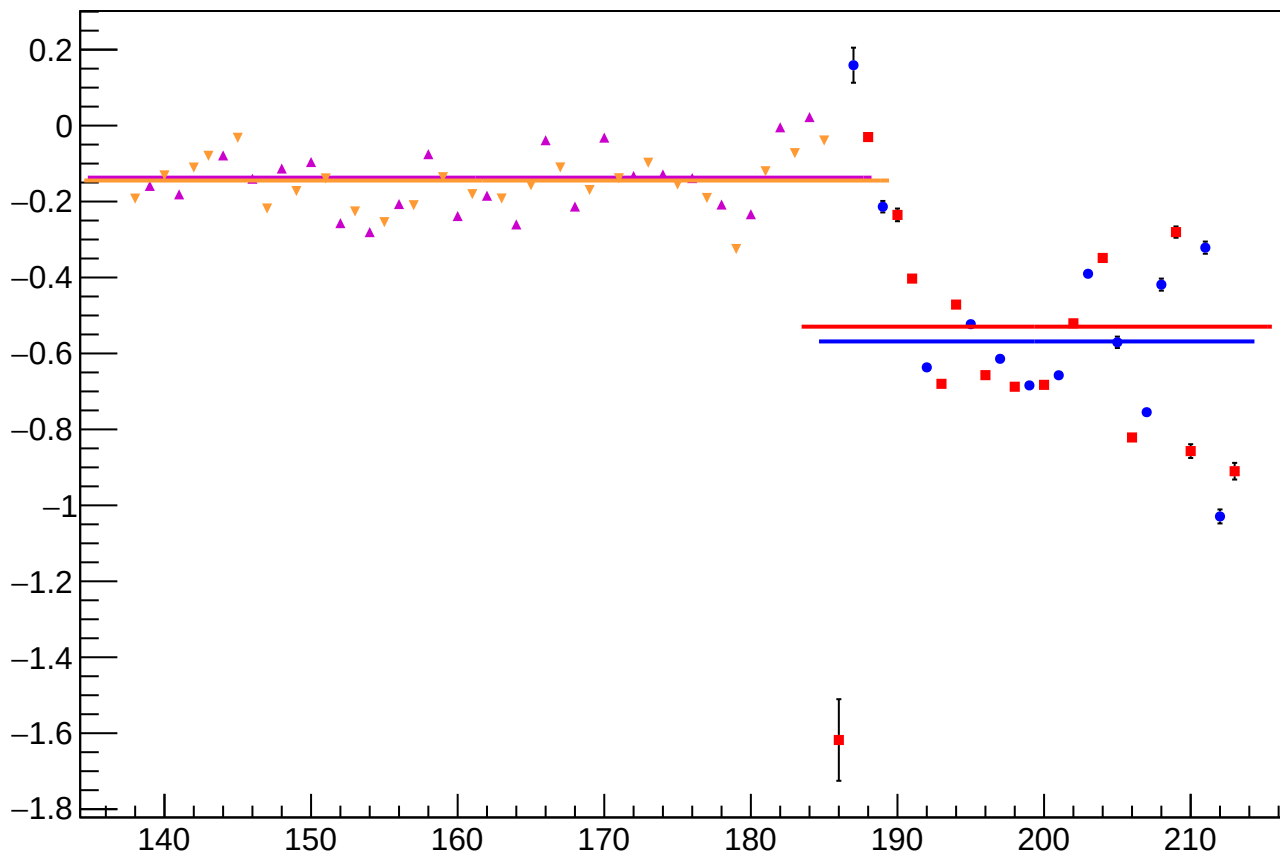
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 15.681 ± 0.022 $\chi^2/\text{NDF}: 81020.9/37$

All: 15.398 ± 0.016 $\chi^2/\text{NDF}: 155650.2/75$

- sign 15.109 ± 0.023 $\chi^2/\text{NDF}: 74310.4/37$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.568 ± 0.003 χ^2/NDF : 2638.4/12

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.529 ± 0.003 χ^2/NDF : 5485.4/14

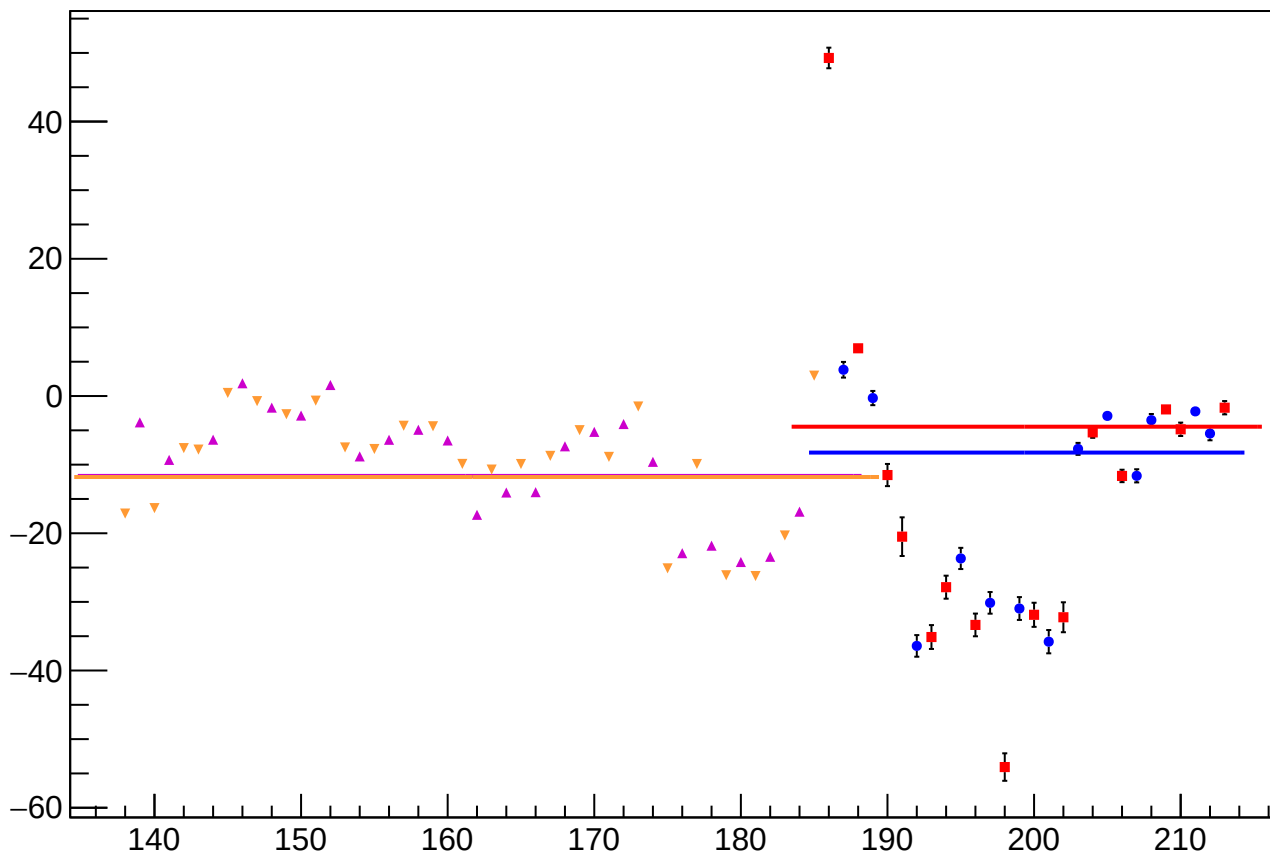
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.183 ± 0.001 χ^2/NDF : 20886.9/37

All: -0.181 ± 0.001 χ^2/NDF : 46069.3/75

- sign -0.179 ± 0.001 χ^2/NDF : 25175.6/37

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -8.241 ± 0.287 χ^2/NDF : 1405.7/12

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: -4.470 ± 0.276 χ^2/NDF : 3701.6/14

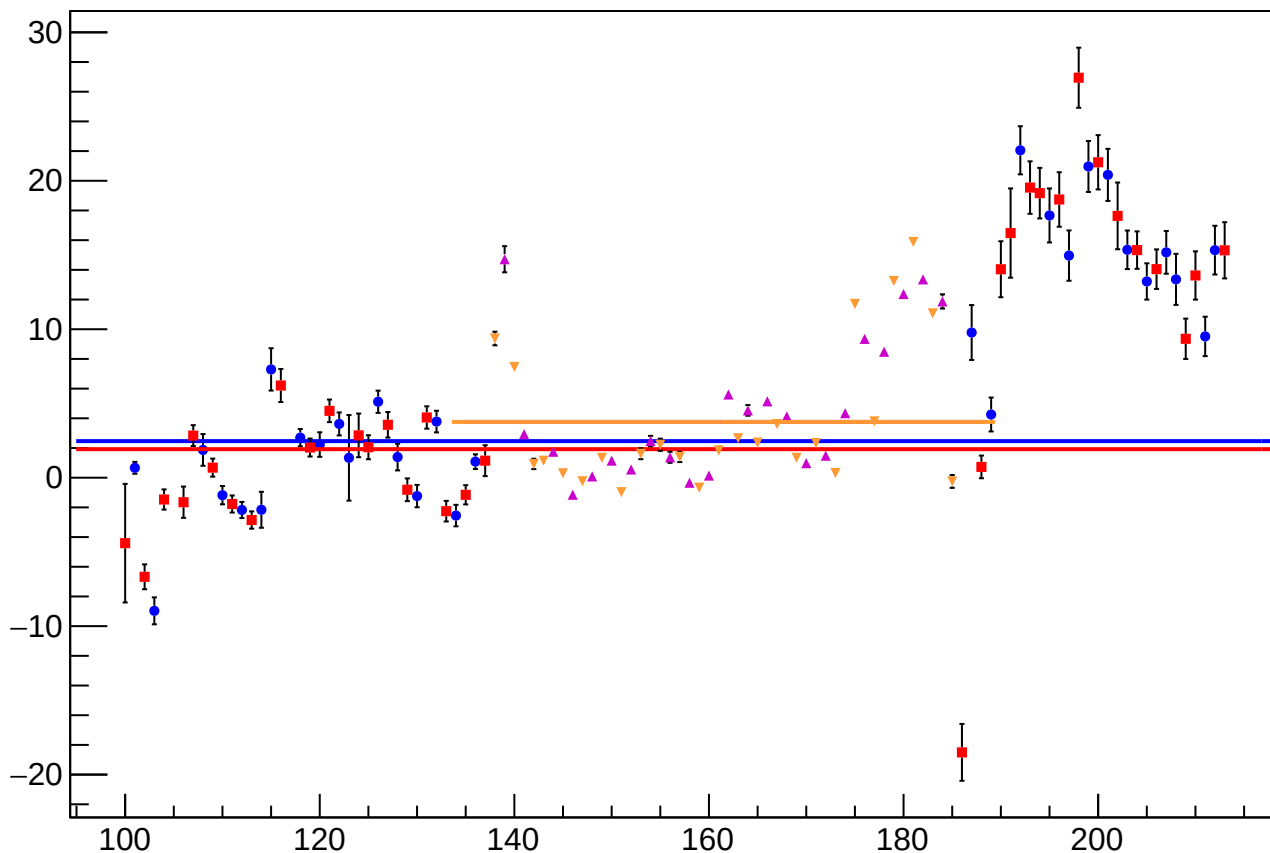
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.599 ± 0.068 χ^2/NDF : 18859.3/37

All: -11.398 ± 0.049 χ^2/NDF : 37330.8/75

- sign -11.191 ± 0.069 χ^2/NDF : 18453.9/37

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.463 $\pm$ 0.158 χ^2 /NDF: 1306.2/29

Left Out: 3.757 $\pm$ 0.056 χ^2 /NDF: 7450.7/24

Right Out: 1.922 $\pm$ 0.160 χ^2 /NDF: 1476.5/33

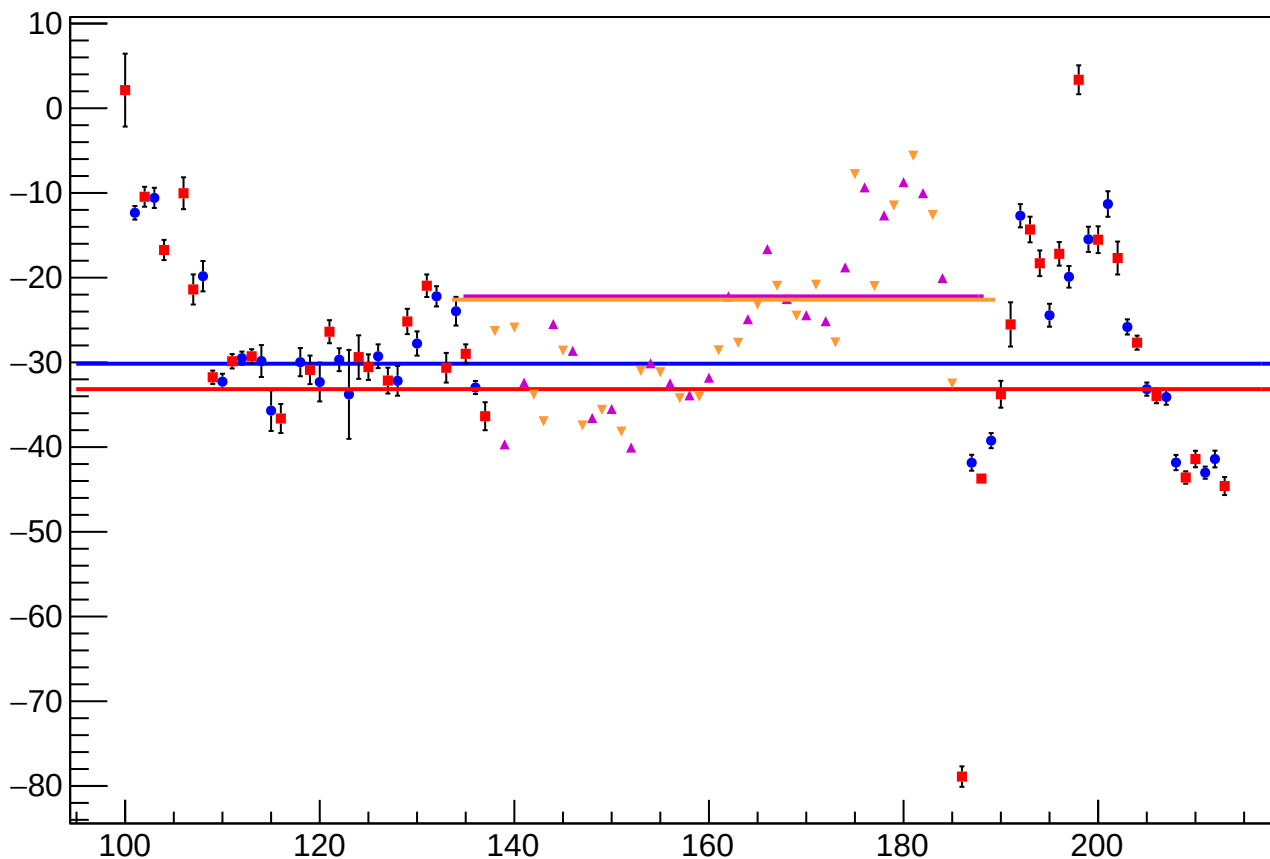
Left In: 3.757 $\pm$ 0.057 χ^2 /NDF: 5629.4/22

+ sign 3.614 $\pm$ 0.052 χ^2 /NDF: 8816.8/54

All: 3.584 $\pm$ 0.037 χ^2 /NDF: 16040.5/111

- sign 3.552 $\pm$ 0.053 χ^2 /NDF: 7223.1/56

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -30.156 ± 0.203 $\chi^2/\text{NDF}: 2317.8/29$

Left Out: -22.598 ± 0.071 $\chi^2/\text{NDF}: 19933.4/24$

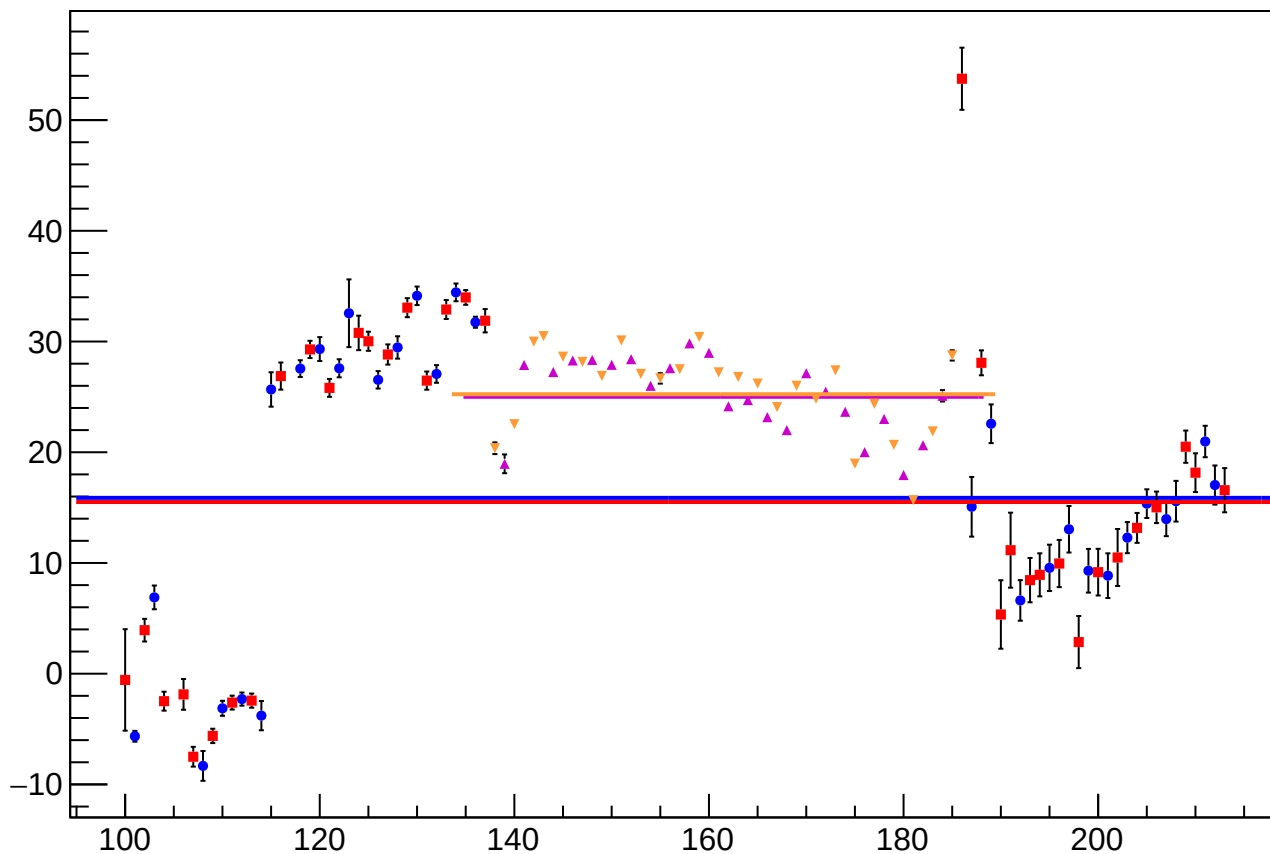
Right Out: -33.160 ± 0.193 $\chi^2/\text{NDF}: 4539.1/33$

Left In: -22.209 ± 0.072 $\chi^2/\text{NDF}: 17627.4/22$

+ sign -23.474 ± 0.047 $\chi^2/\text{NDF}: 48484.5/111$

- sign -23.532 ± 0.067 $\chi^2/\text{NDF}: 24993.4/56$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.881 $\pm$ 0.179 χ^2 /NDF: 7639.6/29

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF:3786.5/24

Right Out: 15.507 $\pm$ 0.182 χ^2 /NDF: 7675.6/33

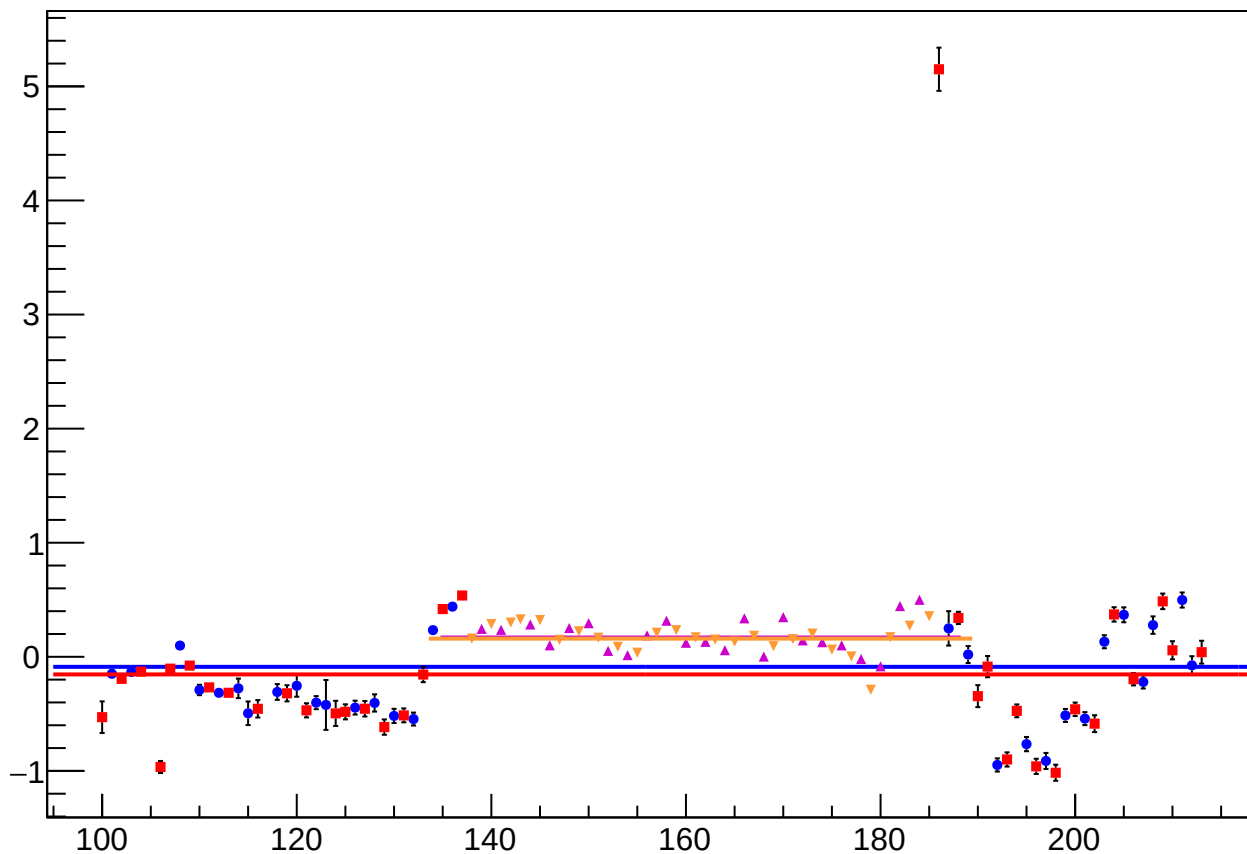
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF:2722.0/22

+ sign 24.217 $\pm$ 0.059 χ^2 /NDF: 13873.5/54

All: 24.095 $\pm$ 0.042 χ^2 /NDF: 26705.1/111

- sign 23.969 $\pm$ 0.060 χ^2 /NDF: 12823.0/56

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.088 ± 0.009 χ^2/NDF : 1809.7/29

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.154 ± 0.009 χ^2/NDF : 2738.5/33

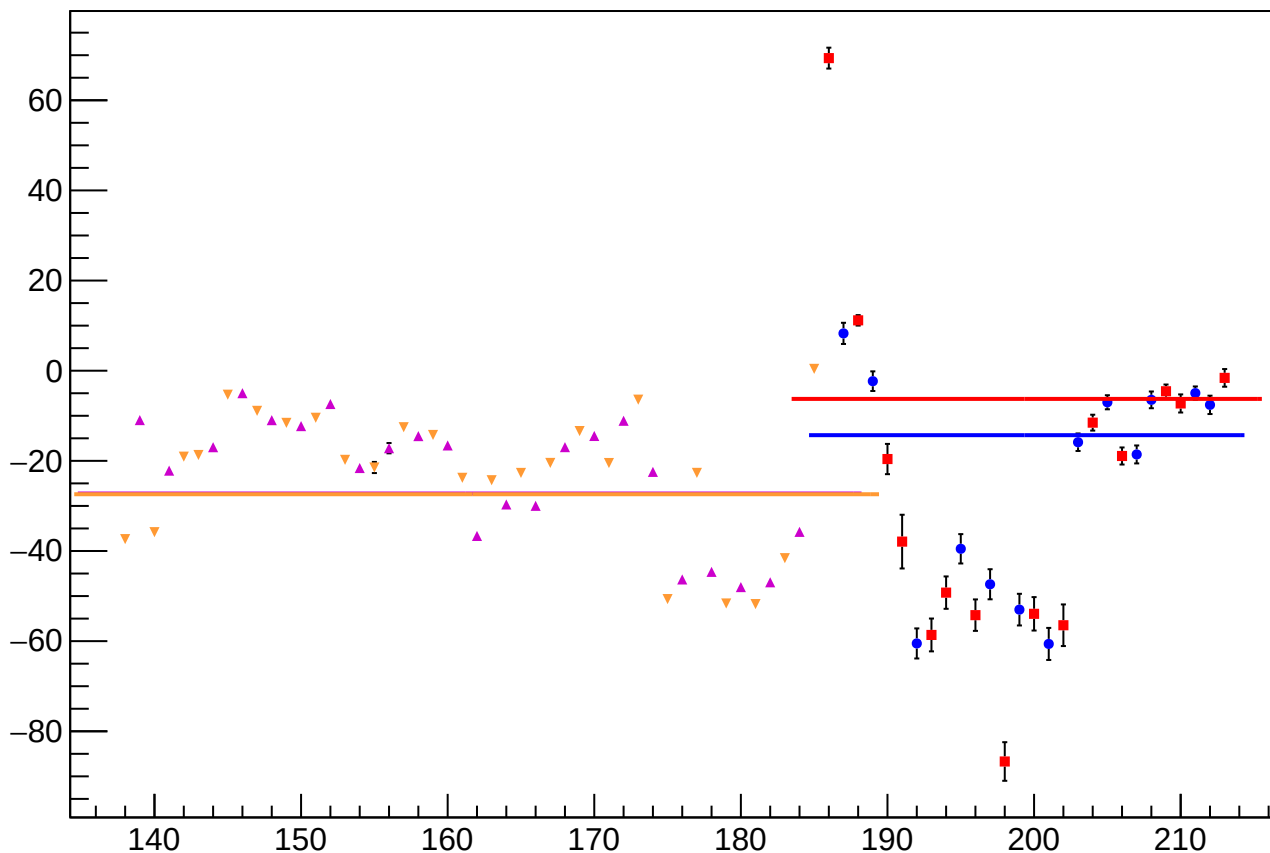
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.137 ± 0.003 χ^2/NDF : 4358.7/54

All: 0.137 ± 0.002 χ^2/NDF : 10688.4/111

- sign 0.138 ± 0.003 χ^2/NDF : 6329.5/56

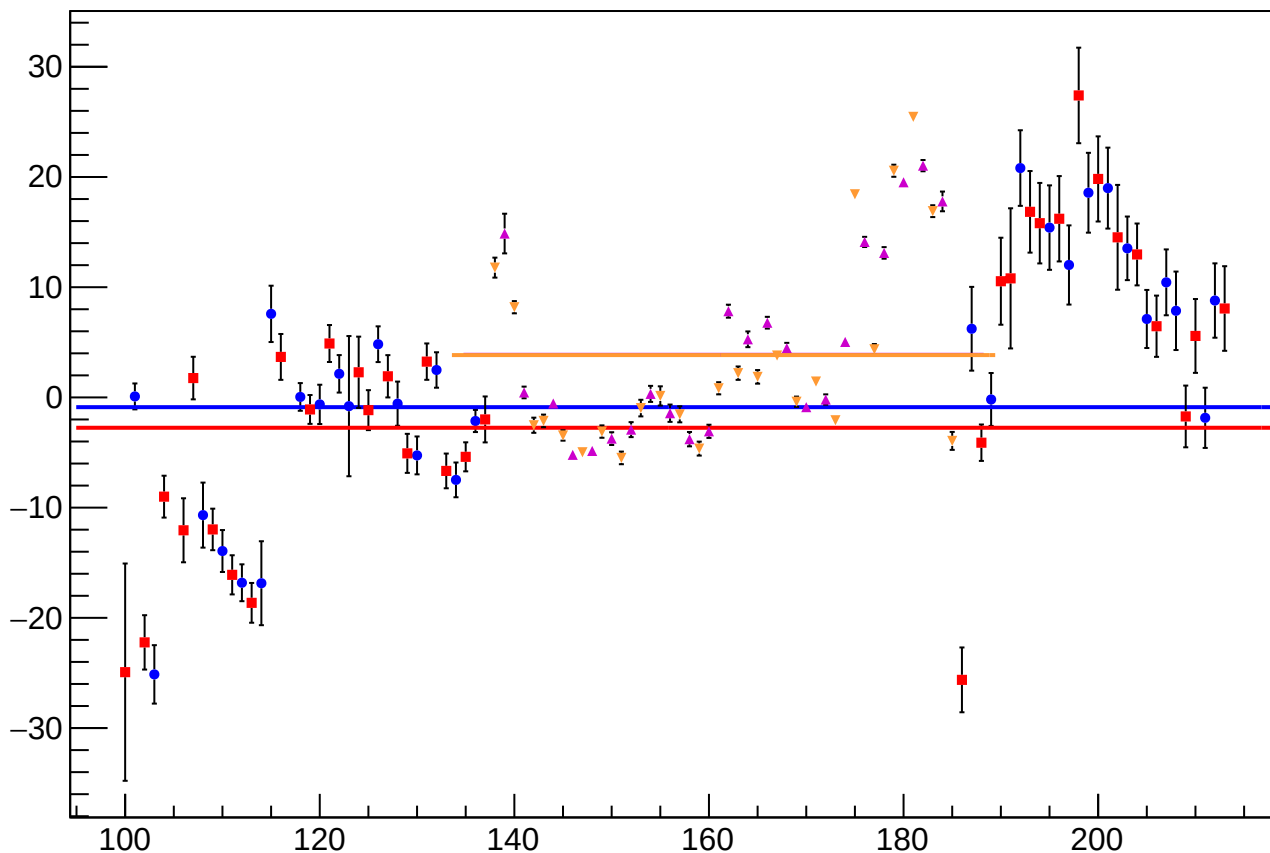
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -14.302 ± 0.604 $\chi^2/\text{NDF}: 859.4/12$
 Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$
 Right Out: -6.256 ± 0.576 $\chi^2/\text{NDF}: 2569.9/14$
 Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -26.767 ± 0.133 $\chi^2/\text{NDF}: 16158.2/37$
 All: -26.430 ± 0.095 $\chi^2/\text{NDF}: 31299.4/75$
 - sign -26.083 ± 0.135 $\chi^2/\text{NDF}: 15128.3/37$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.884 ± 0.373 $\chi^2/\text{NDF}: 503.5/29$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -2.753 ± 0.379 $\chi^2/\text{NDF}: 625.4/33$

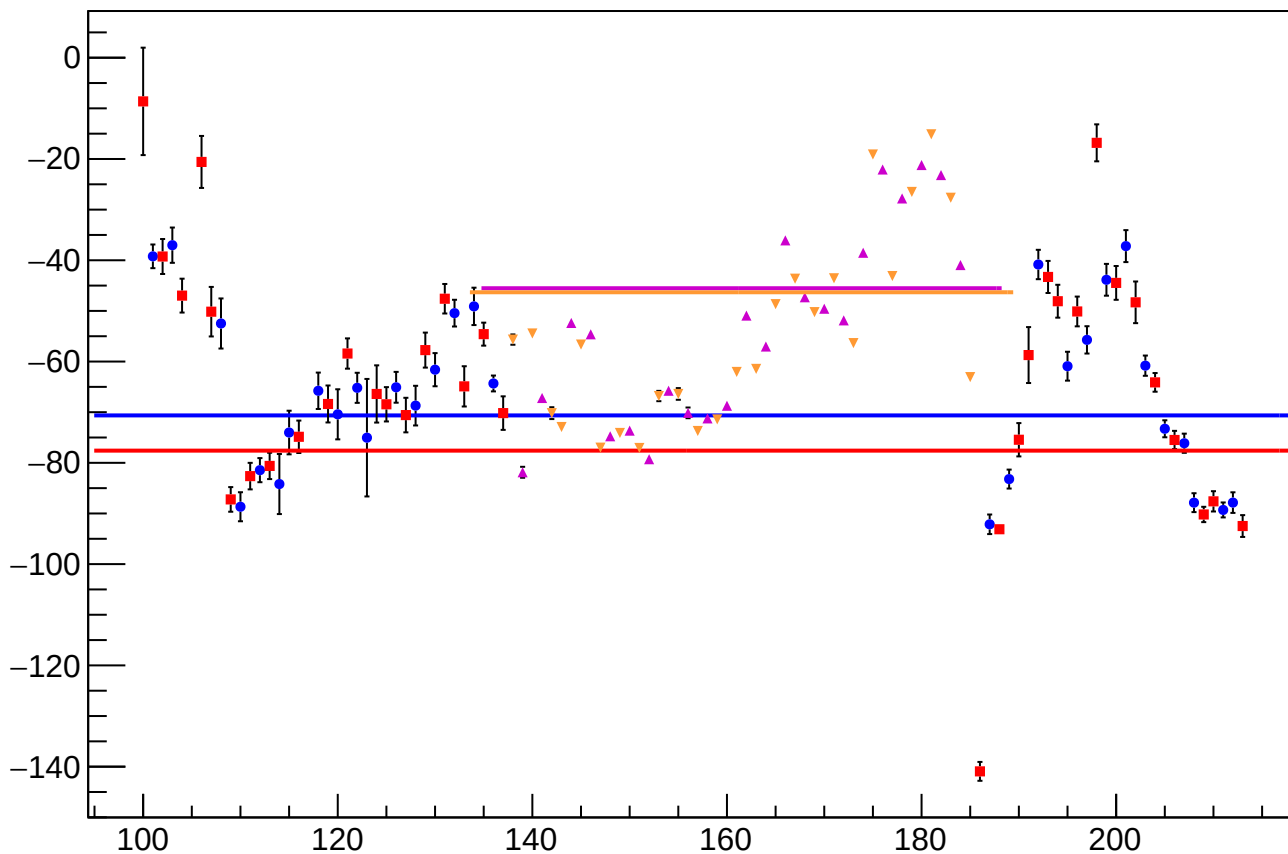
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.467 ± 0.105 $\chi^2/\text{NDF}: 7590.8/54$

All: 3.405 ± 0.075 $\chi^2/\text{NDF}: 13922.2/111$

- sign 3.341 ± 0.107 $\chi^2/\text{NDF}: 6330.7/56$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -70.636 ± 0.455 χ^2/NDF : 1332.0/29

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -77.591 ± 0.432 χ^2/NDF : 3098.9/33

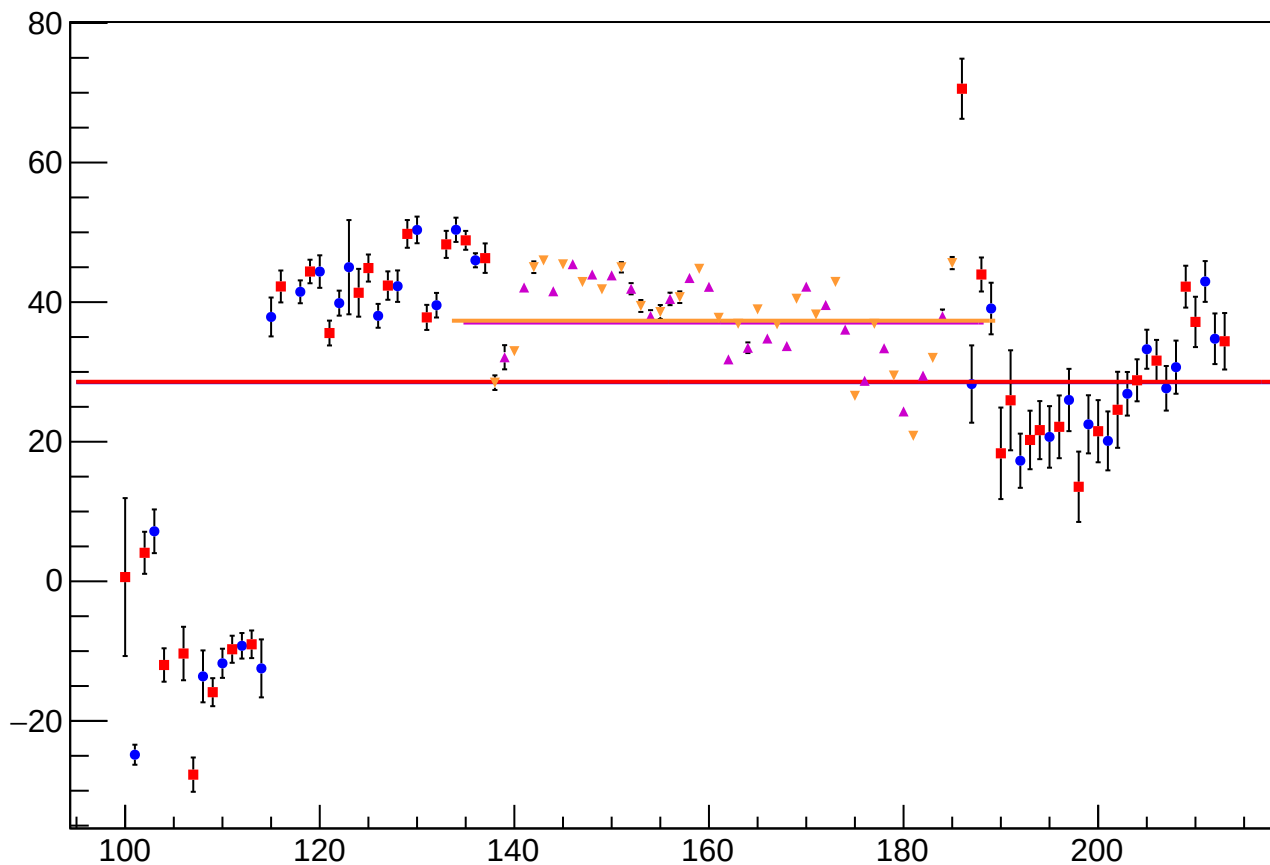
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -48.362 ± 0.132 χ^2/NDF : 24079.9/54

All: -48.459 ± 0.094 χ^2/NDF : 49691.6/111

- sign -48.558 ± 0.133 χ^2/NDF : 25610.6/56

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.529 $\pm$ 0.419 χ^2 /NDF: 3368.2/29

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.590 $\pm$ 0.431 χ^2 /NDF: 3225.1/33

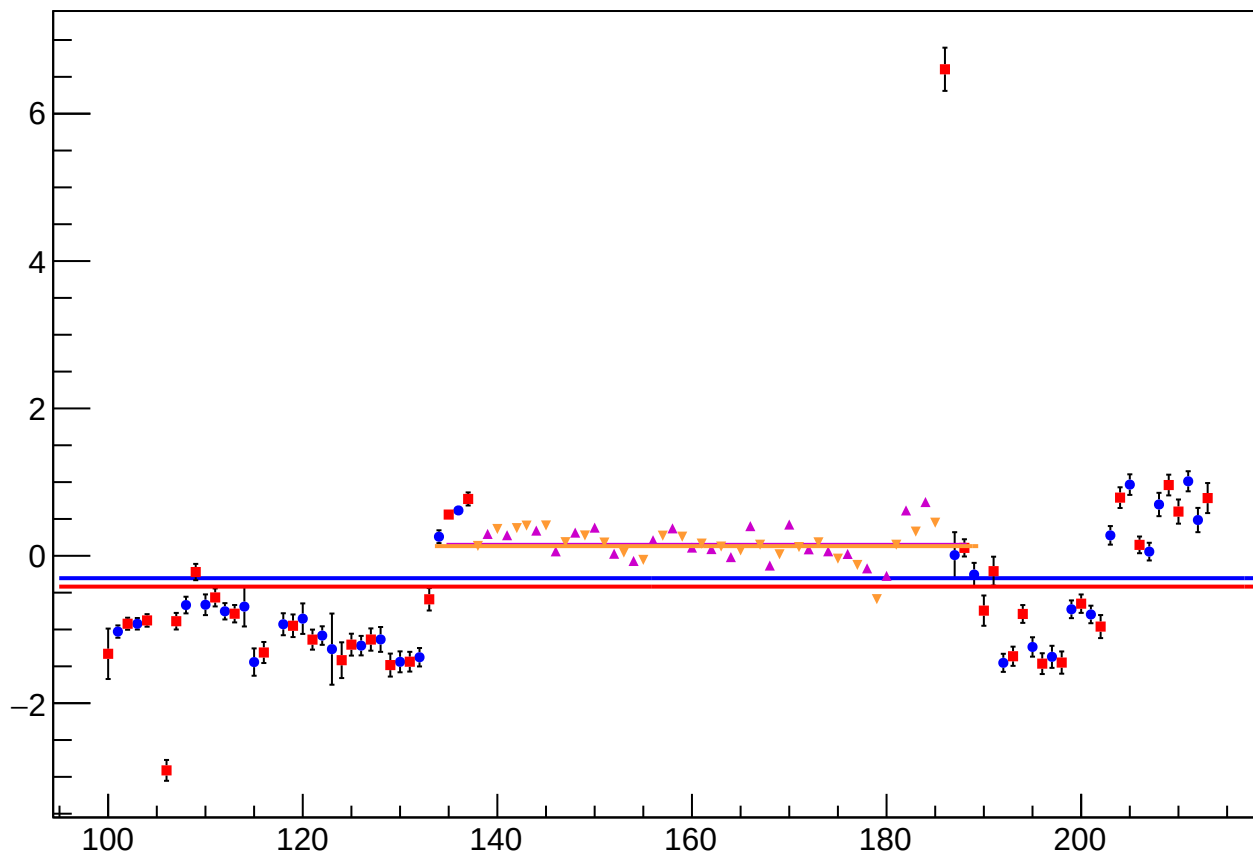
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.643 $\pm$ 0.118 χ^2 /NDF: 6923.9/54

All: 36.531 $\pm$ 0.084 χ^2 /NDF: 12904.8/111

- sign 36.415 $\pm$ 0.120 χ^2 /NDF: 5979.1/56

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.304 ± 0.021 χ^2/NDF : 1498.7/29

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.418 ± 0.021 χ^2/NDF : 2217.2/33

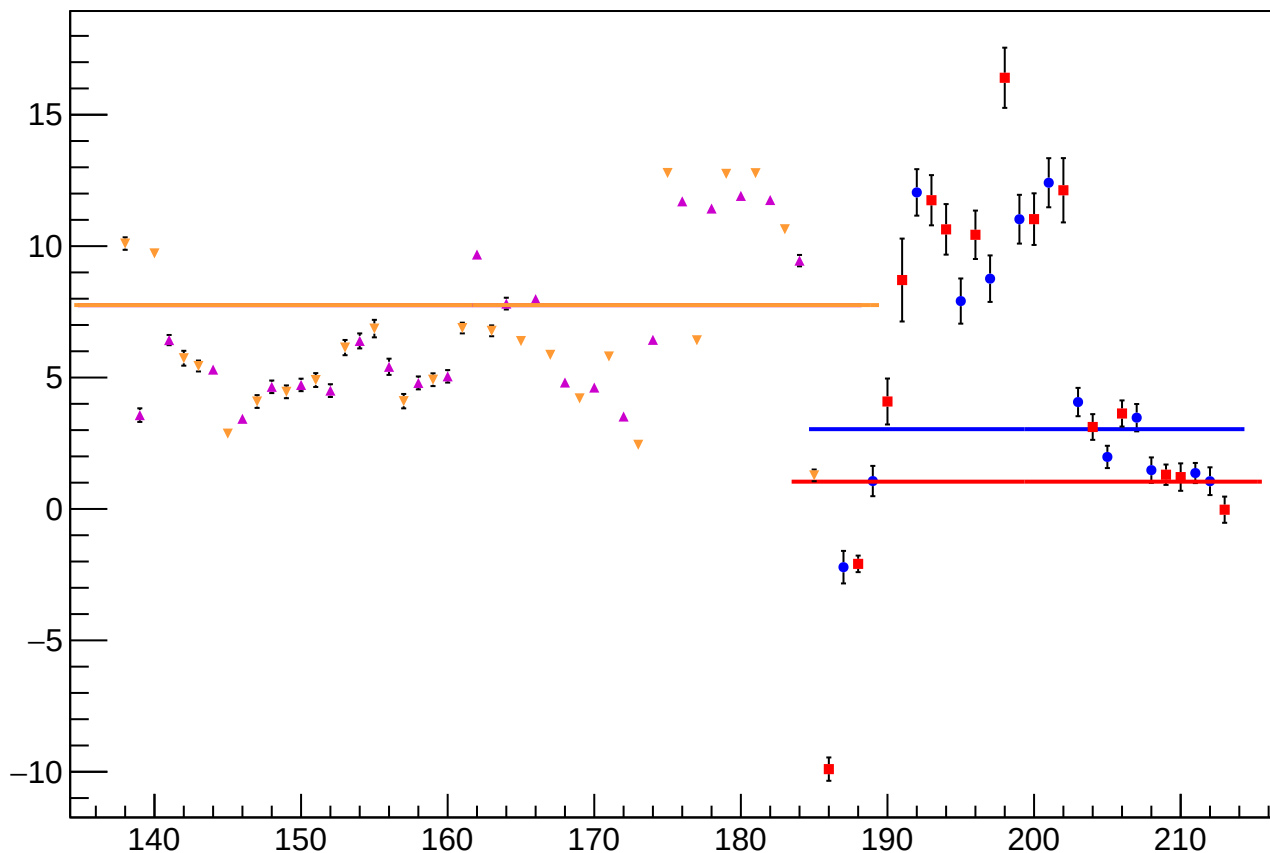
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.102 ± 0.005 χ^2/NDF : 3326.5/54

All: 0.106 ± 0.004 χ^2/NDF : 8009.2/111

- sign 0.110 ± 0.006 χ^2/NDF : 4681.6/56

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 3.036 ± 0.160 $\chi^2/\text{NDF}: 490.3/12$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 1.039 ± 0.149 $\chi^2/\text{NDF}: 1486.2/14$

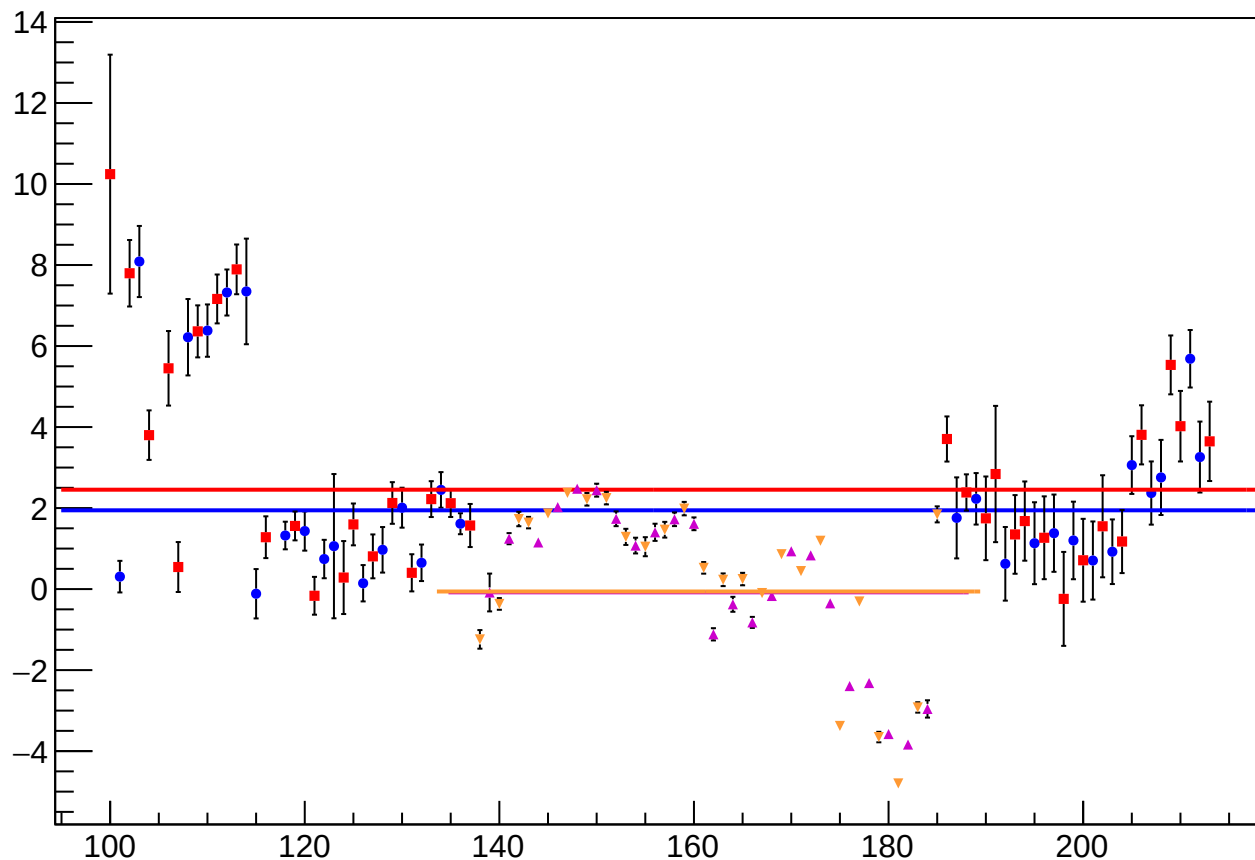
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.549 ± 0.034 $\chi^2/\text{NDF}: 13053.8/37$

All: 7.475 ± 0.024 $\chi^2/\text{NDF}: 24828.5/75$

- sign 7.399 ± 0.034 $\chi^2/\text{NDF}: 11764.9/37$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.945 ± 0.105 $\chi^2/\text{NDF}: 334.7/29$

Left Out: -0.059 ± 0.028 $\chi^2/\text{NDF}: 6068.8/24$

Right Out: 2.453 ± 0.106 $\chi^2/\text{NDF}: 382.5/33$

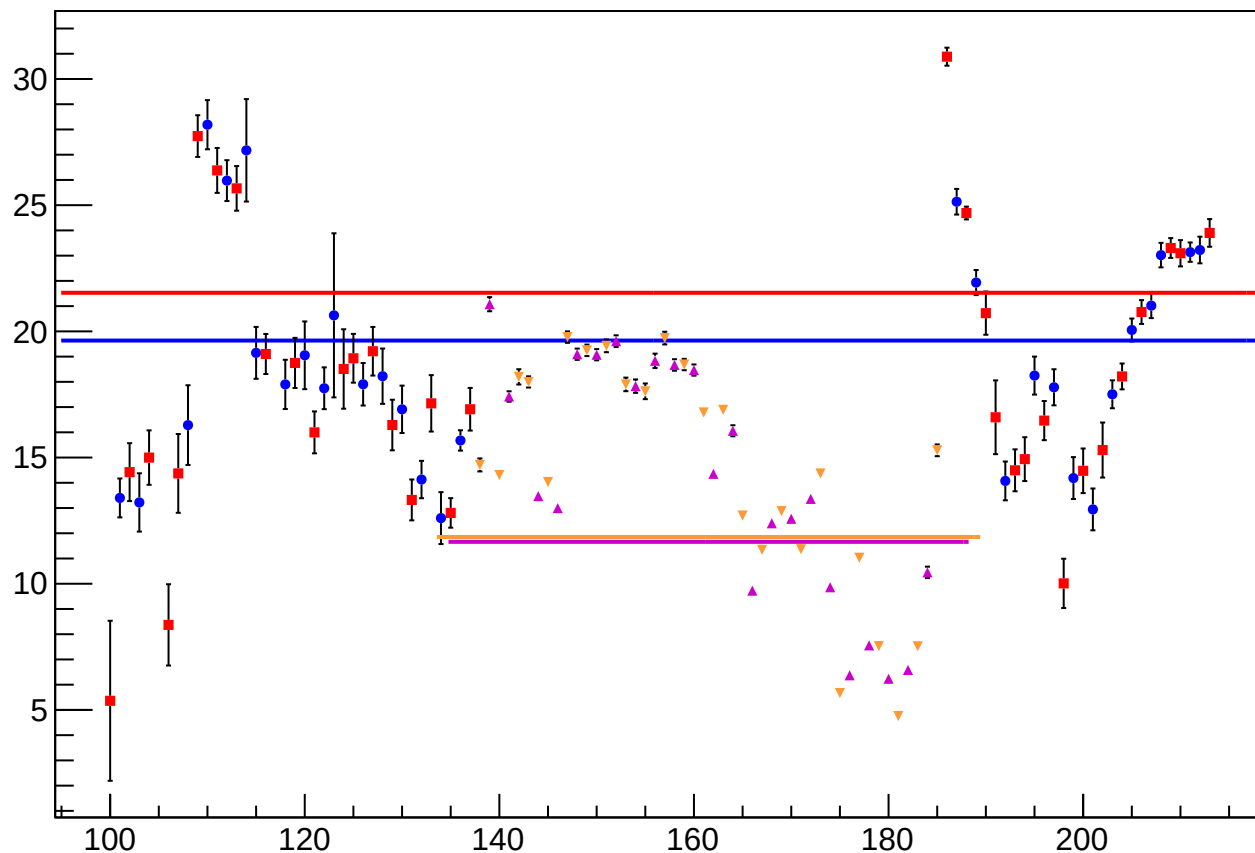
Left In: -0.080 ± 0.028 $\chi^2/\text{NDF}: 4979.5/22$

+ sign 0.072 ± 0.027 $\chi^2/\text{NDF}: 6745.8/54$

All: 0.080 ± 0.019 $\chi^2/\text{NDF}: 12641.8/111$

- sign 0.088 ± 0.027 $\chi^2/\text{NDF}: 5895.7/56$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.636 ± 0.124 $\chi^2/\text{NDF}: 985.6/29$

Left Out: 11.853 ± 0.035 $\chi^2/\text{NDF}: 19149.4/24$

Right Out: 21.530 ± 0.115 $\chi^2/\text{NDF}: 2126.3/33$

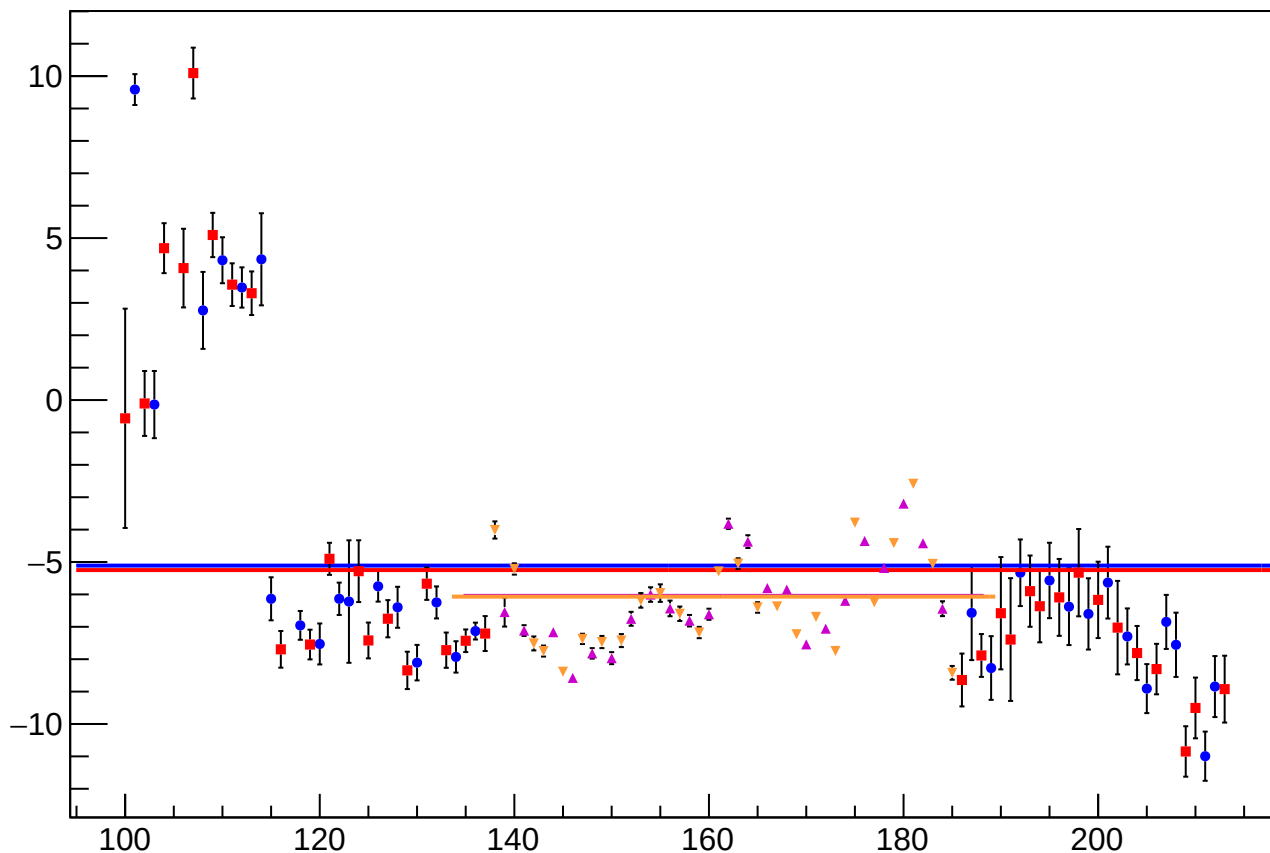
Left In: 11.660 ± 0.035 $\chi^2/\text{NDF}: 16710.2/22$

+ sign 12.418 ± 0.033 $\chi^2/\text{NDF}: 23794.3/54$

All: 12.460 ± 0.024 $\chi^2/\text{NDF}: 49348.5/111$

- sign 12.502 ± 0.034 $\chi^2/\text{NDF}: 25551.0/56$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.111 ± 0.117 $\chi^2/\text{NDF}: 1737.5/29$

Left Out: -6.068 ± 0.031 $\chi^2/\text{NDF}: 2671.7/24$

Right Out: -5.249 ± 0.121 $\chi^2/\text{NDF}: 1522.5/33$

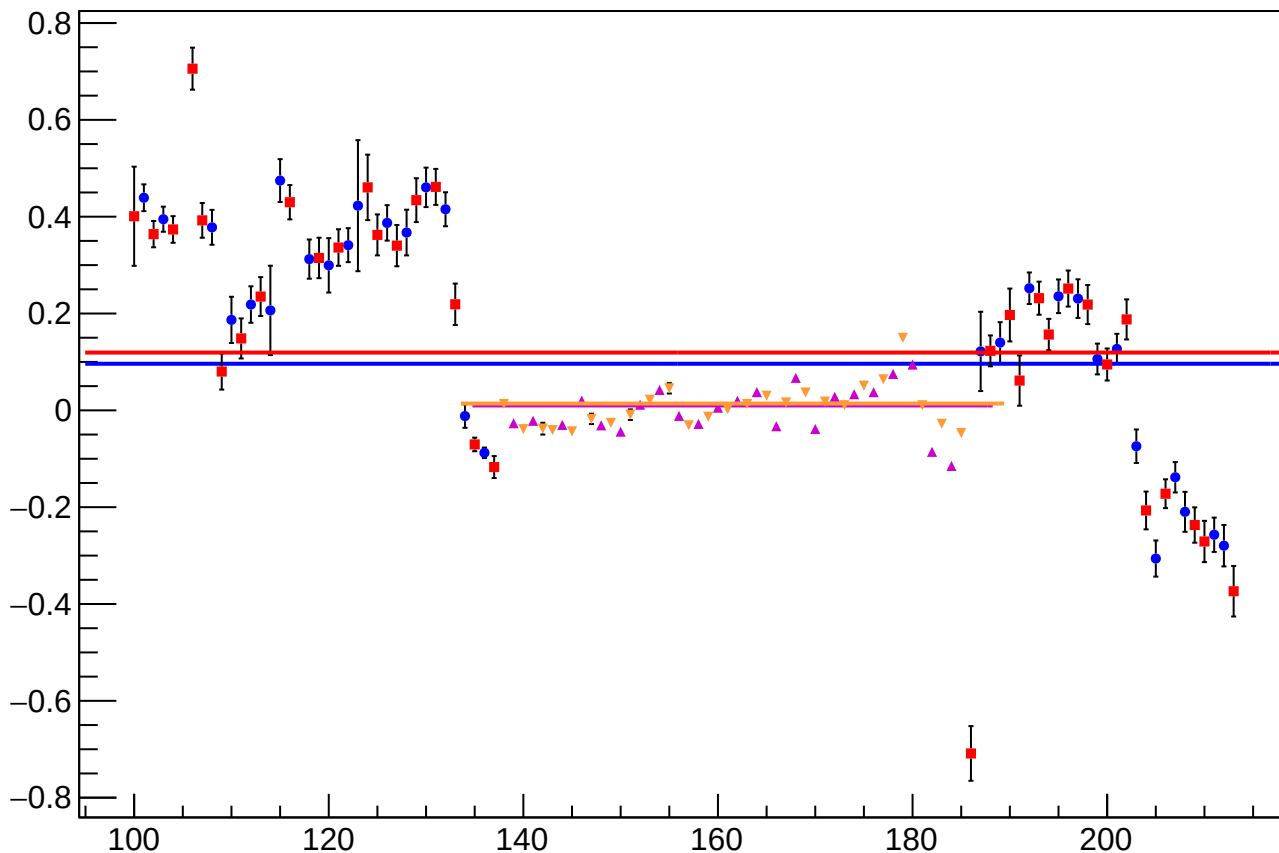
Left In: -6.045 ± 0.032 $\chi^2/\text{NDF}: 2293.7/22$

+ sign -6.006 ± 0.030 $\chi^2/\text{NDF}: 4471.4/54$

All: -6.000 ± 0.021 $\chi^2/\text{NDF}: 8328.2/111$

- sign -5.994 ± 0.031 $\chi^2/\text{NDF}: 3856.8/56$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.096 ± 0.006 χ^2/NDF : 1580.8/29

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.119 ± 0.006 χ^2/NDF : 1758.5/33

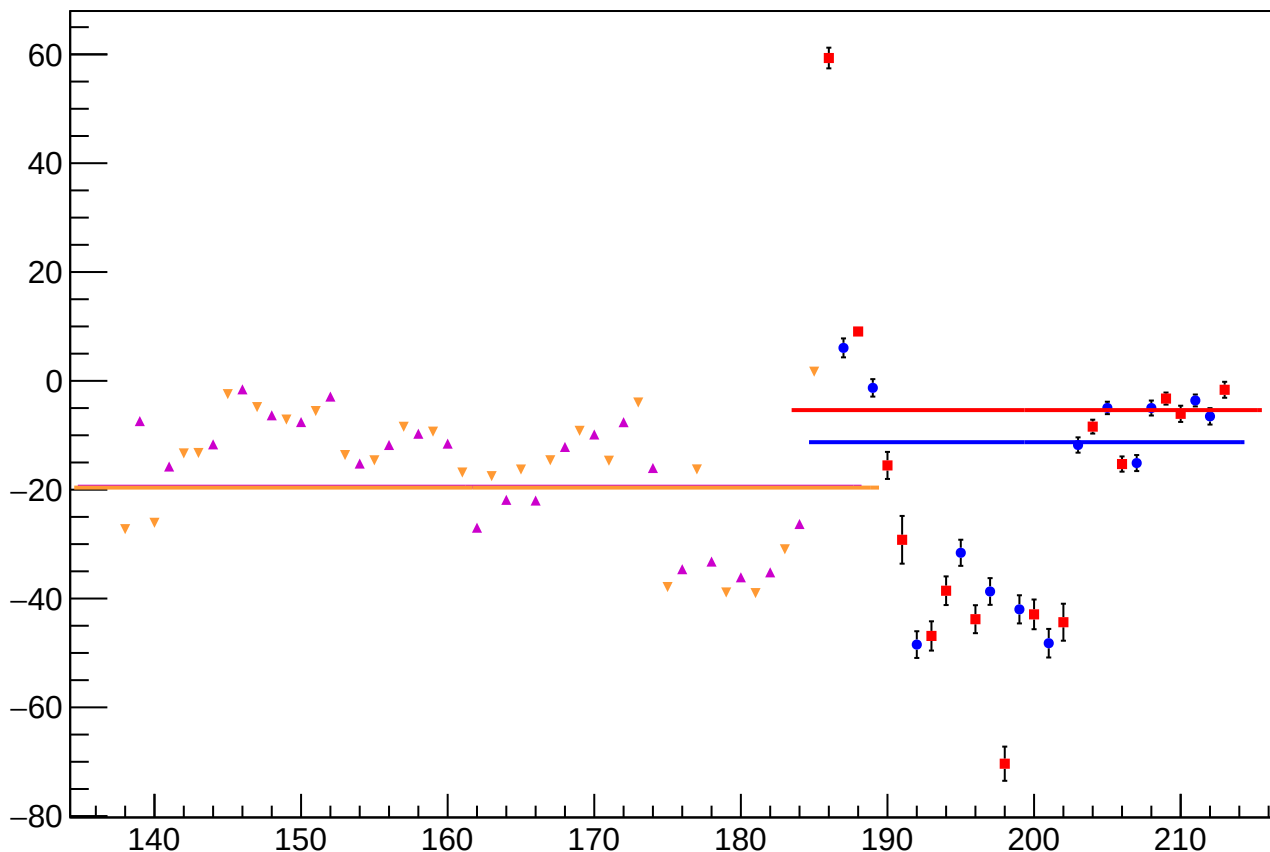
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.019 ± 0.001 χ^2/NDF : 2725.5/54

All: 0.018 ± 0.001 χ^2/NDF : 6020.4/111

- sign 0.016 ± 0.001 χ^2/NDF : 3293.4/56

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -11.268 ± 0.445 $\chi^2/\text{NDF}: 1020.0/12$

Left Out: -19.612 ± 0.103 $\chi^2/\text{NDF}: 15761.3/24$

Right Out: -5.373 ± 0.427 $\chi^2/\text{NDF}: 2930.5/14$

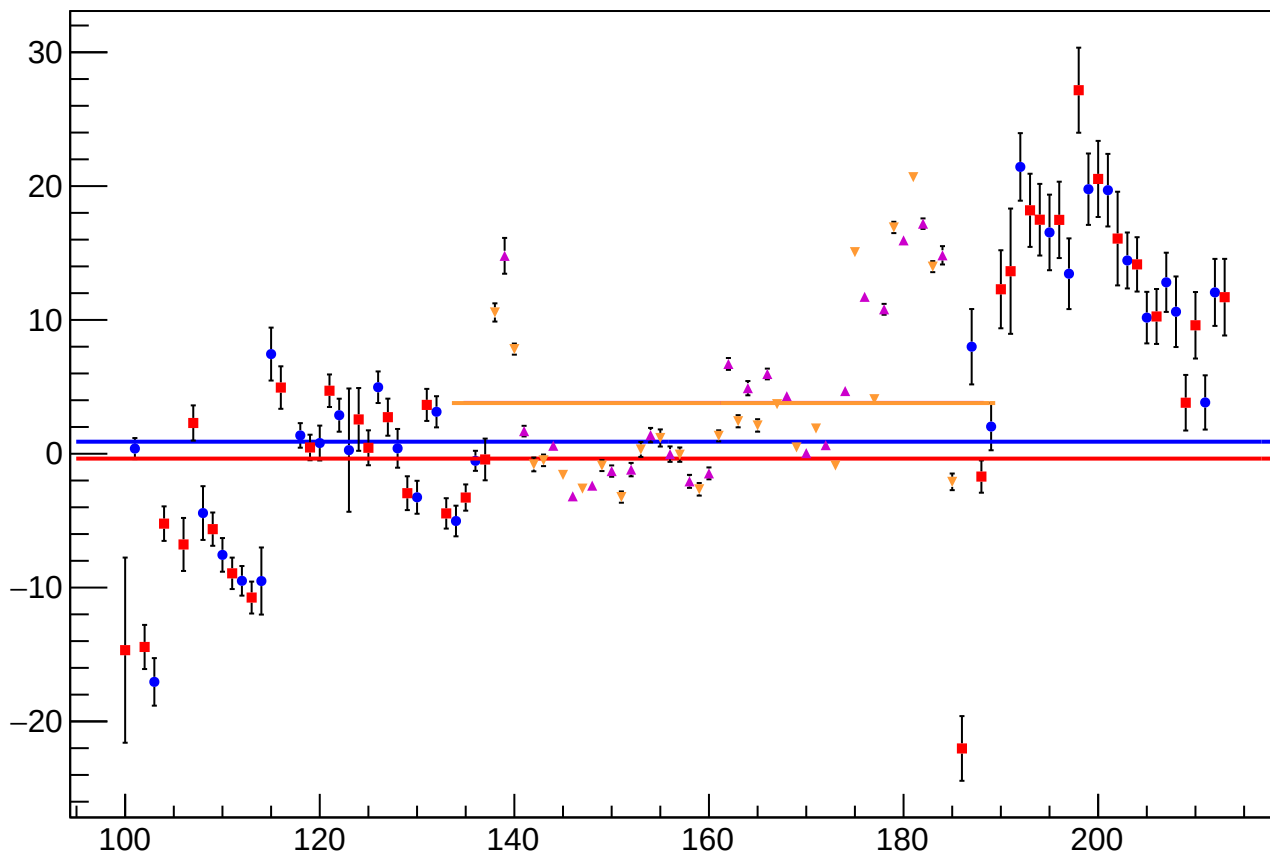
Left In: -19.450 ± 0.105 $\chi^2/\text{NDF}: 12283.1/22$

+ sign -19.186 ± 0.101 $\chi^2/\text{NDF}: 17115.2/37$

All: -18.919 ± 0.072 $\chi^2/\text{NDF}: 33369.9/75$

- sign -18.645 ± 0.102 $\chi^2/\text{NDF}: 16240.4/37$

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.901 ± 0.267 χ^2/NDF : 685.6/29

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -0.362 ± 0.271 χ^2/NDF : 832.2/33

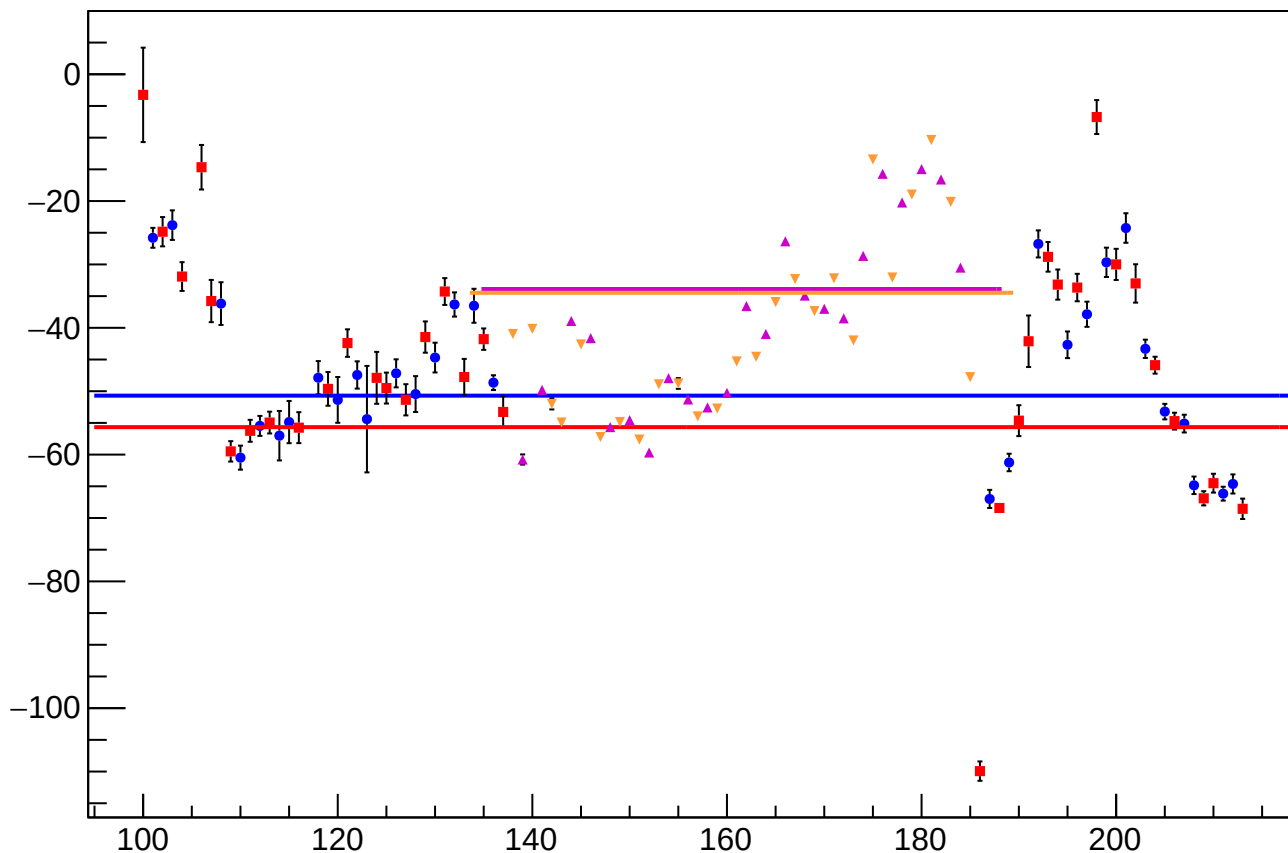
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.538 ± 0.078 χ^2/NDF : 7943.2/54

All: 3.489 ± 0.056 χ^2/NDF : 14508.6/111

- sign 3.437 ± 0.080 χ^2/NDF : 6564.6/56

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -50.699 ± 0.330 χ^2/NDF : 1555.1/29

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -55.667 ± 0.315 χ^2/NDF : 3480.4/33

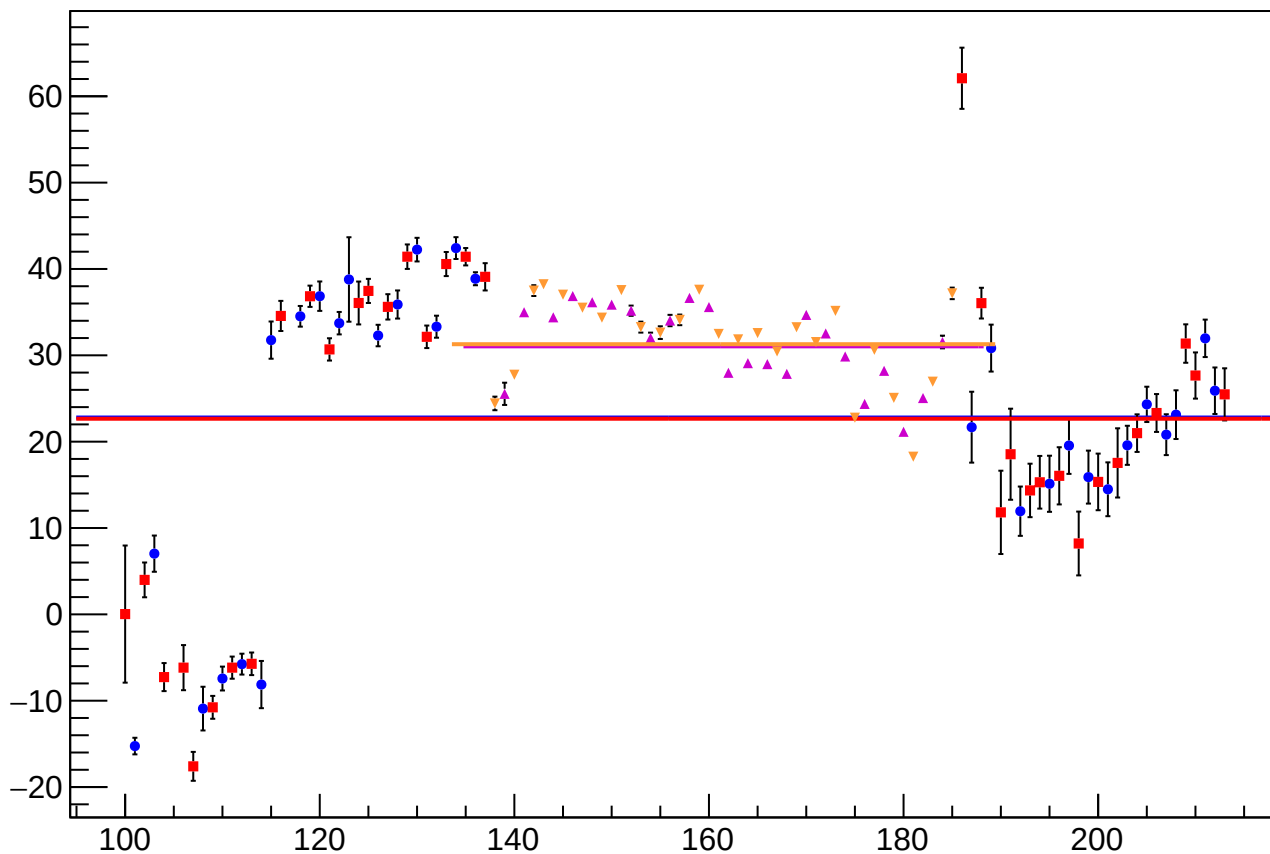
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.932 ± 0.099 χ^2/NDF : 23946.3/54

All: -36.001 ± 0.070 χ^2/NDF : 49383.4/111

- sign -36.071 ± 0.100 χ^2/NDF : 25436.1/56

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.796 $\pm$ 0.301 χ^2 /NDF: 4381.8/29

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.656 $\pm$ 0.309 χ^2 /NDF: 4278.2/33

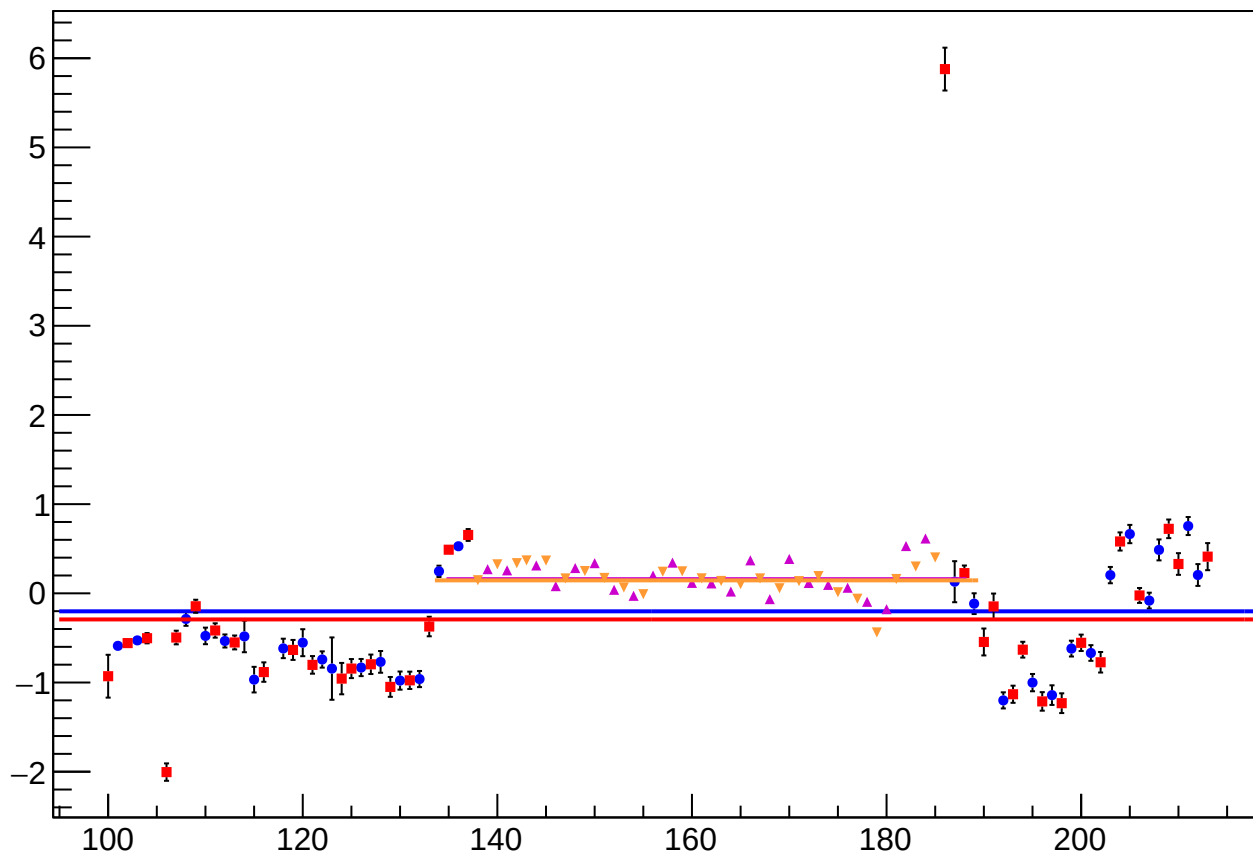
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.554 $\pm$ 0.088 χ^2 /NDF: 8456.3/54

All: 30.442 $\pm$ 0.063 χ^2 /NDF: 15892.5/111

- sign 30.325 $\pm$ 0.090 χ^2 /NDF: 7433.0/56

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.202 ± 0.015 χ^2/NDF : 1540.9/29

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.293 ± 0.015 χ^2/NDF : 2370.8/33

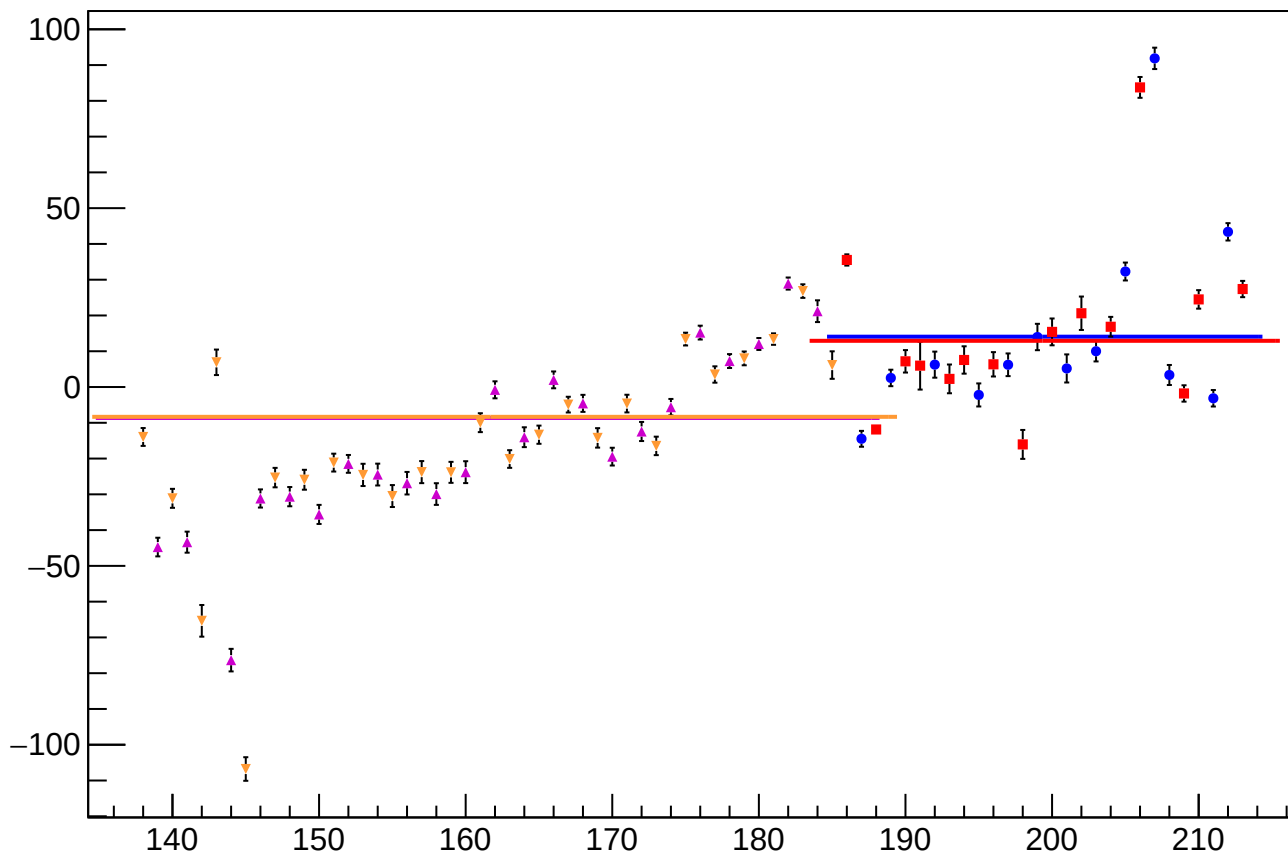
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.120 ± 0.004 χ^2/NDF : 3612.0/54

All: 0.123 ± 0.003 χ^2/NDF : 8806.2/111

- sign 0.125 ± 0.004 χ^2/NDF : 5193.3/56

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 14.071 ± 0.771 χ^2/NDF : 1181.1/12

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 12.918 ± 0.651 χ^2/NDF : 1374.6/14

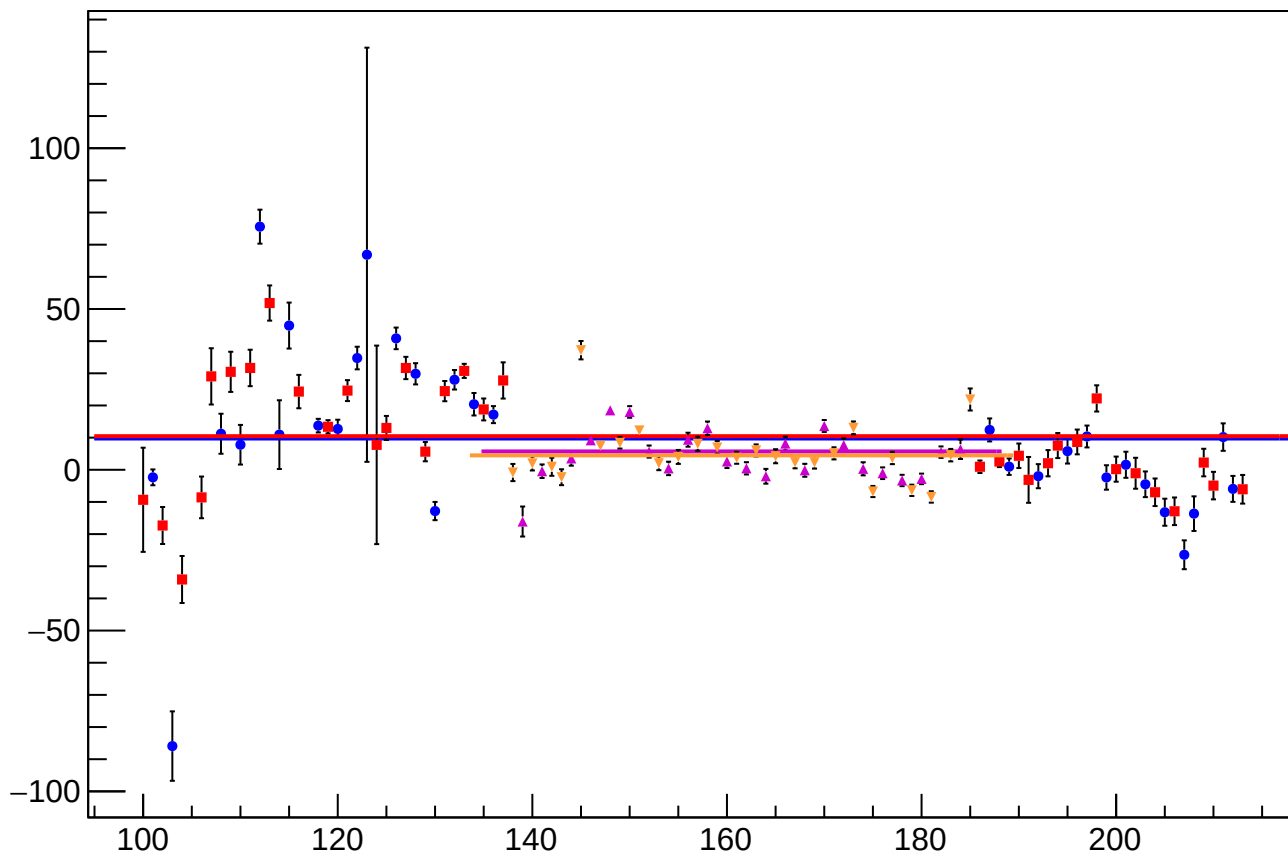
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -1.710 ± 0.419 χ^2/NDF : 4001.7/37

All: -1.081 ± 0.289 χ^2/NDF : 8287.3/75

- sign -0.508 ± 0.400 χ^2/NDF : 4281.3/37

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.727 ± 0.665 χ^2/NDF : 756.8/29

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 10.449 ± 0.625 χ^2/NDF : 499.5/33

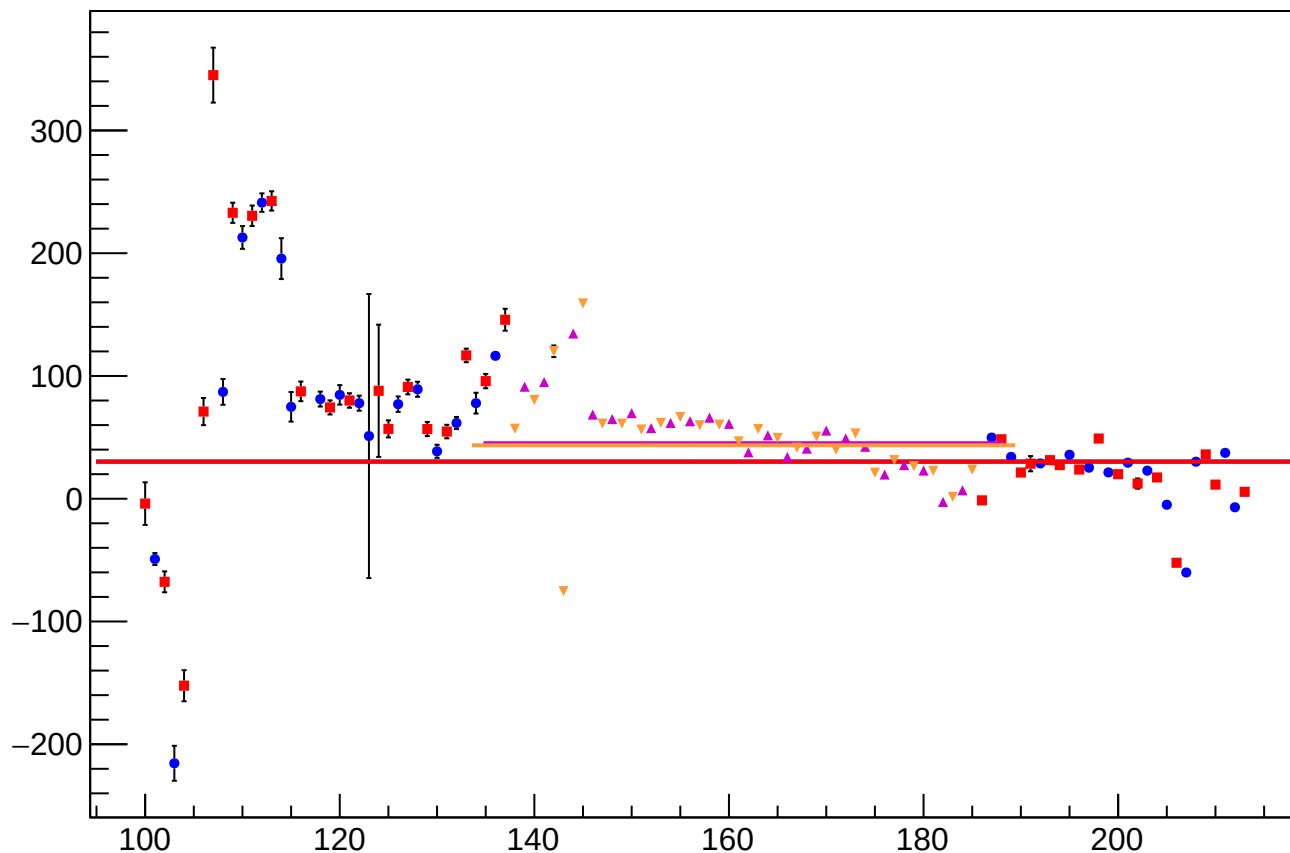
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.835 ± 0.338 χ^2/NDF : 1174.7/54

All: 6.466 ± 0.239 χ^2/NDF : 2045.9/111

- sign 7.103 ± 0.339 χ^2/NDF : 864.2/56

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 30.354+/-0.651 χ^2/NDF : 4292.0/29

Left Out: 43.524+/-0.498 χ^2/NDF : 3830.7/24

Right Out: 30.098+/-0.544 χ^2/NDF : 5446.1/33

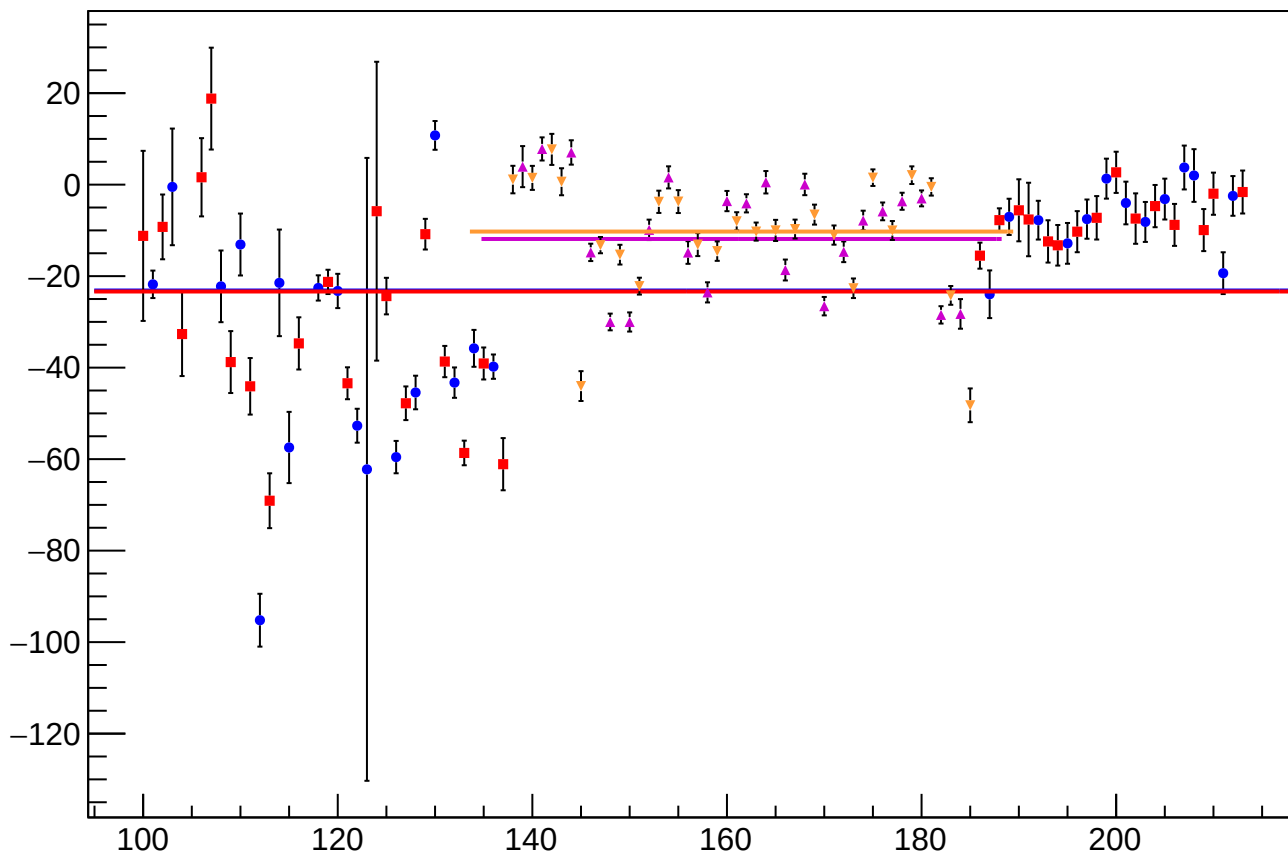
Left In: 45.211+/-0.504 χ^2/NDF : 3048.5/22

+ sign 38.661+/-0.396 χ^2/NDF : 8380.5/54

All: 38.429+/-0.270 χ^2/NDF : 17290.9/111

- sign 38.226+/-0.370 χ^2/NDF : 8909.7/56

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -23.141 ± 0.774 χ^2/NDF : 791.8/29

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -23.357 ± 0.752 χ^2/NDF : 660.5/33

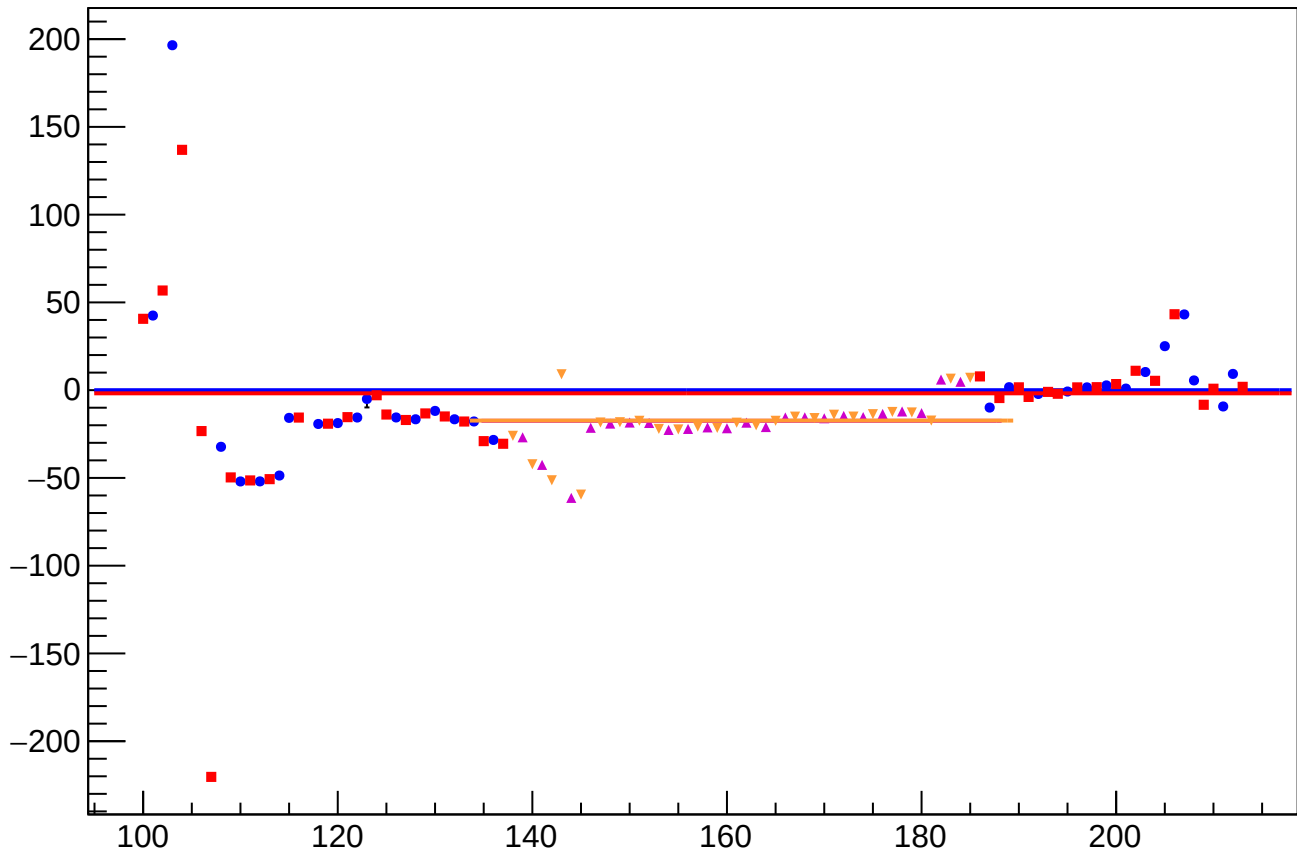
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.451 ± 0.385 χ^2/NDF : 1552.8/54

All: -14.198 ± 0.274 χ^2/NDF : 3057.5/111

- sign -14.964 ± 0.390 χ^2/NDF : 1497.1/56

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.025 ± 0.036 χ^2/NDF : 677969.3/29

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.800 ± 0.035 χ^2/NDF : 672316.3/33

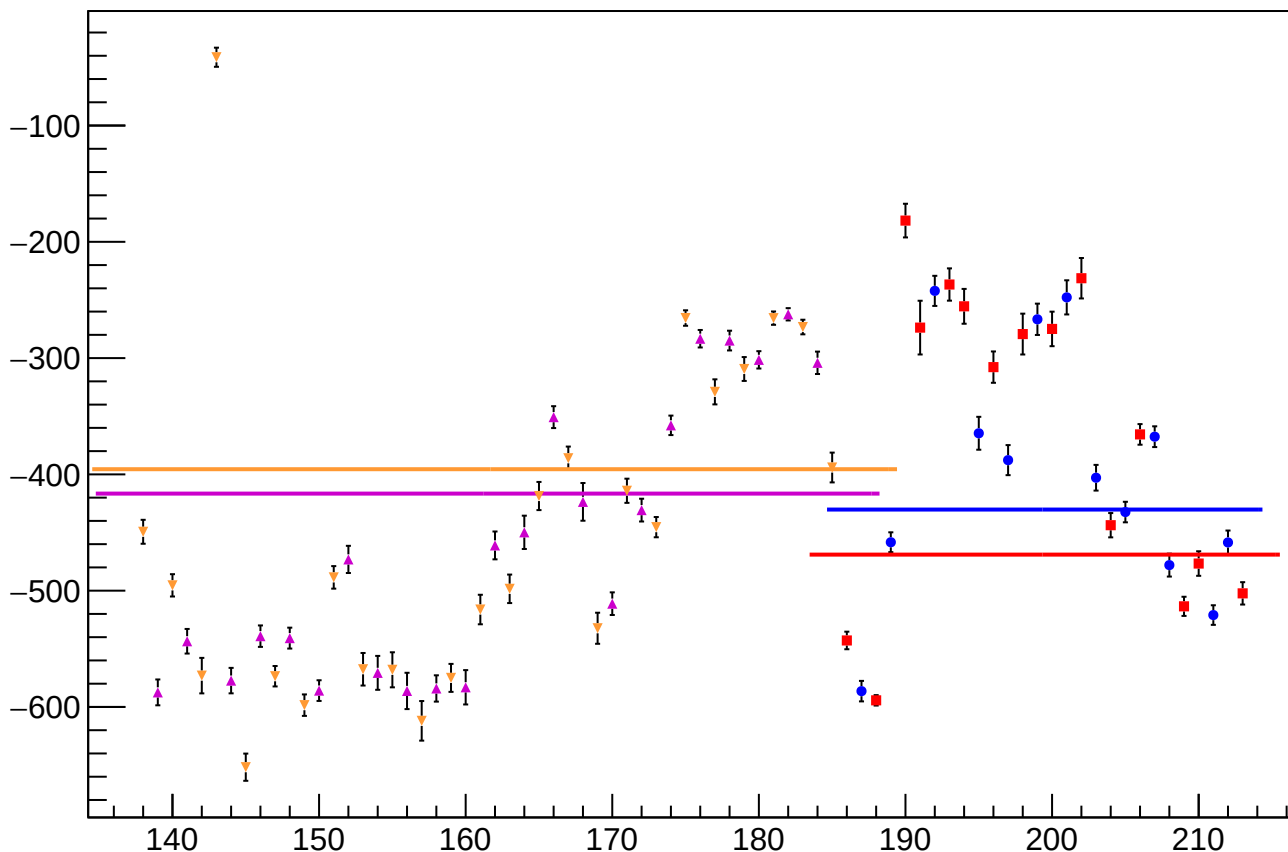
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -13.168 ± 0.018 χ^2/NDF : 1176365.5/54

All: -13.301 ± 0.013 χ^2/NDF : 2256939.0/111

- sign -13.434 ± 0.018 χ^2/NDF : 1080461.9/56

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -430.244 ± 2.873 χ^2/NDF : 1072.0/12

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -468.995 ± 2.528 χ^2/NDF : 2625.4/14

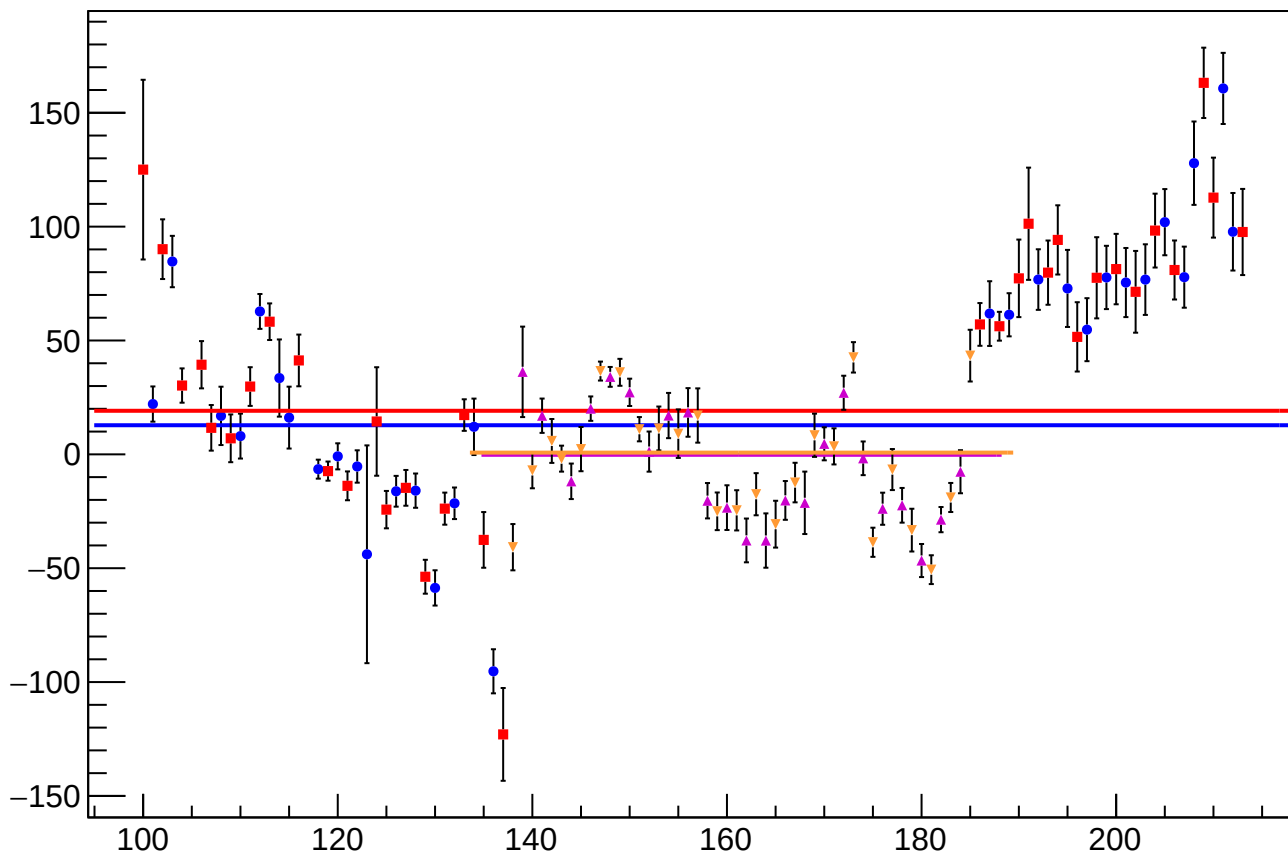
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -406.517 ± 1.615 χ^2/NDF : 7118.3/37

All: -422.075 ± 1.126 χ^2/NDF : 14105.8/75

- sign -436.784 ± 1.571 χ^2/NDF : 6807.0/37

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 12.786 ± 1.729 $\chi^2/\text{NDF}: 742.8/29$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 19.134 ± 1.672 $\chi^2/\text{NDF}: 725.8/33$

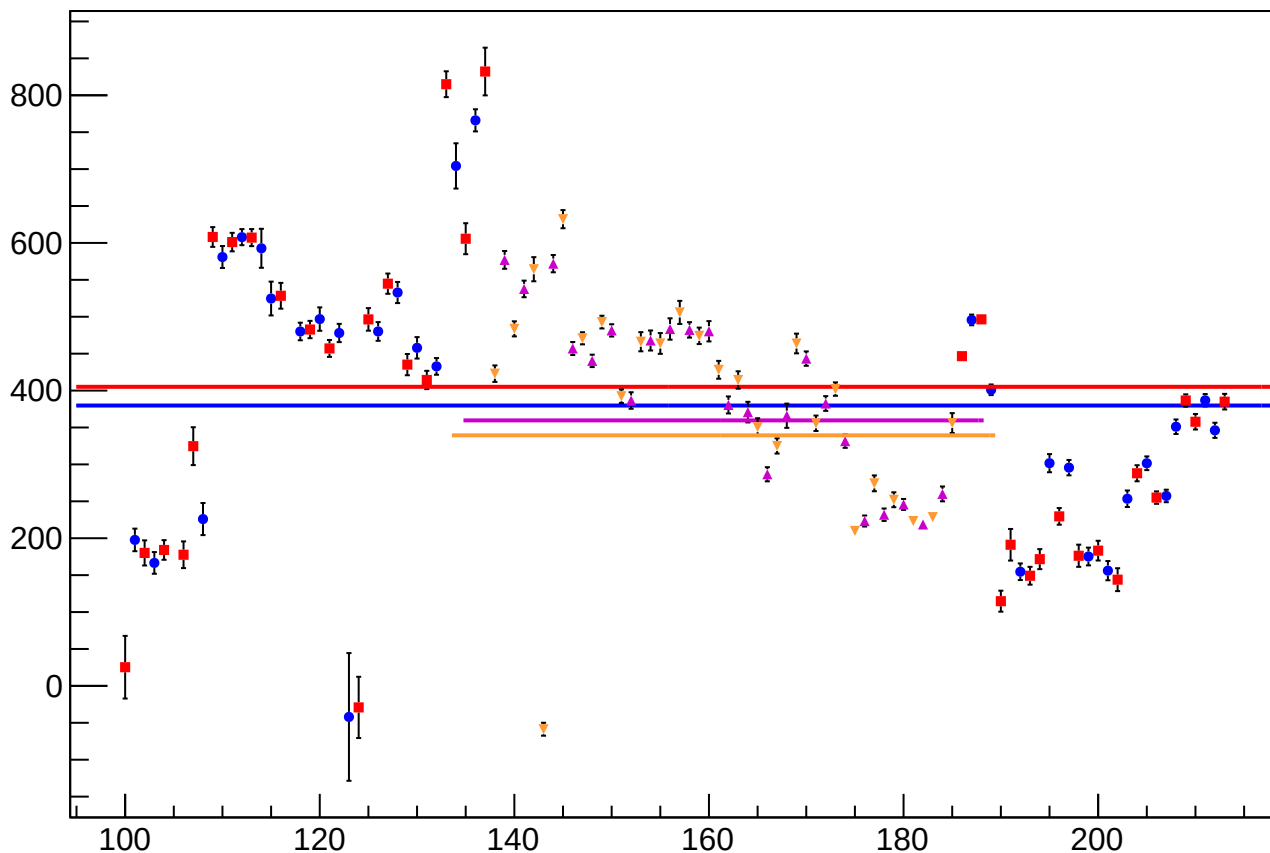
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 5.938 ± 1.134 $\chi^2/\text{NDF}: 1120.4/54$

All: 7.398 ± 0.806 $\chi^2/\text{NDF}: 2181.3/111$

- sign 8.889 ± 1.147 $\chi^2/\text{NDF}: 1057.5/56$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 379.735 $\pm$ 2.150 χ^2 /NDF: 4124.9/29

Left Out: 339.355 $\pm$ 1.963 χ^2 /NDF:5502.5/24

Right Out: 405.106 $\pm$ 1.889 χ^2 /NDF: 6109.3/33

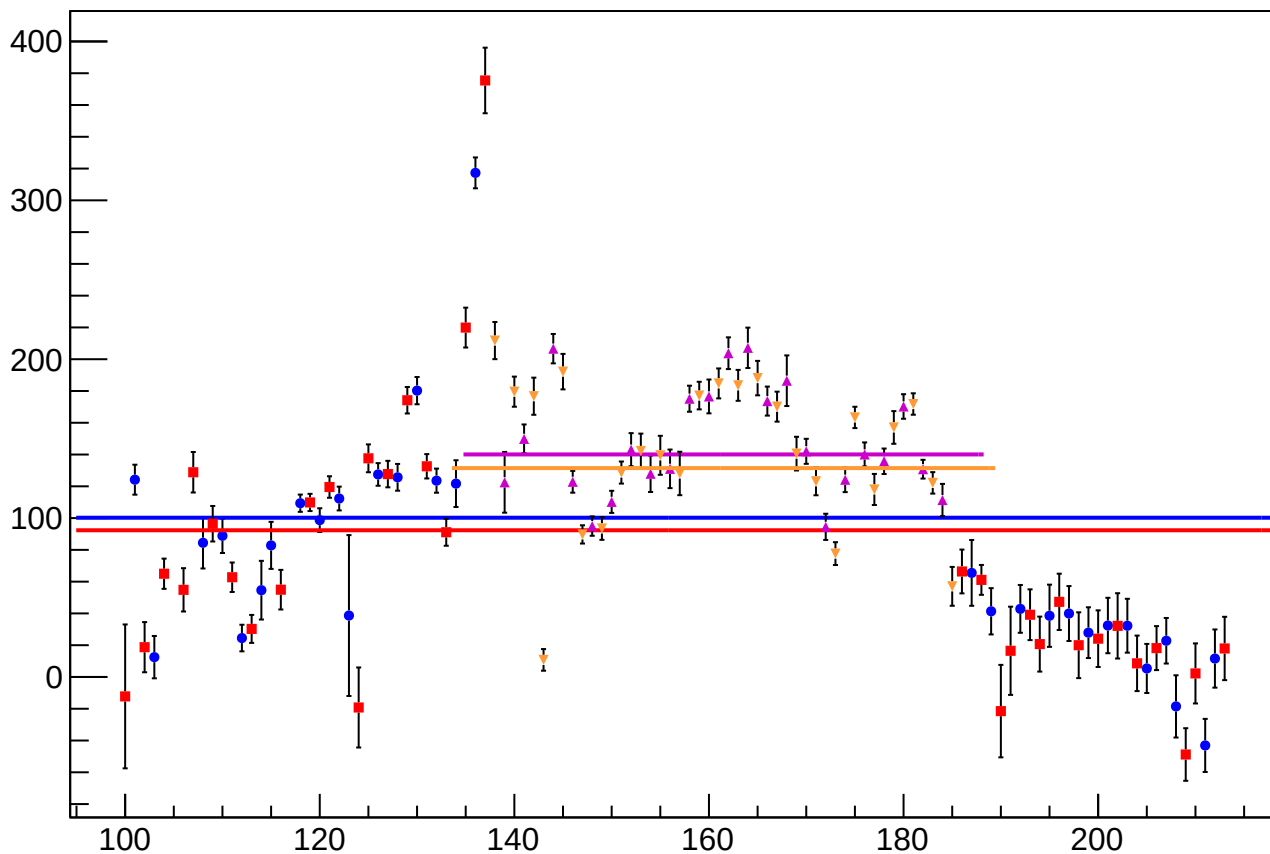
Left In: 359.609 $\pm$ 2.003 χ^2 /NDF:3398.5/22

+ sign 357.711 $\pm$ 1.449 χ^2 /NDF: 9819.8/54

All: 371.394 $\pm$ 0.997 χ^2 /NDF: 19770.0/111

- sign 383.690 $\pm$ 1.374 χ^2 /NDF: 9781.0/56

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 100.230 ± 2.011 χ^2/NDF : 1076.9/29

Left Out: 131.464 ± 1.728 χ^2/NDF : 809.3/24

Right Out: 92.340 ± 1.962 χ^2/NDF : 895.0/33

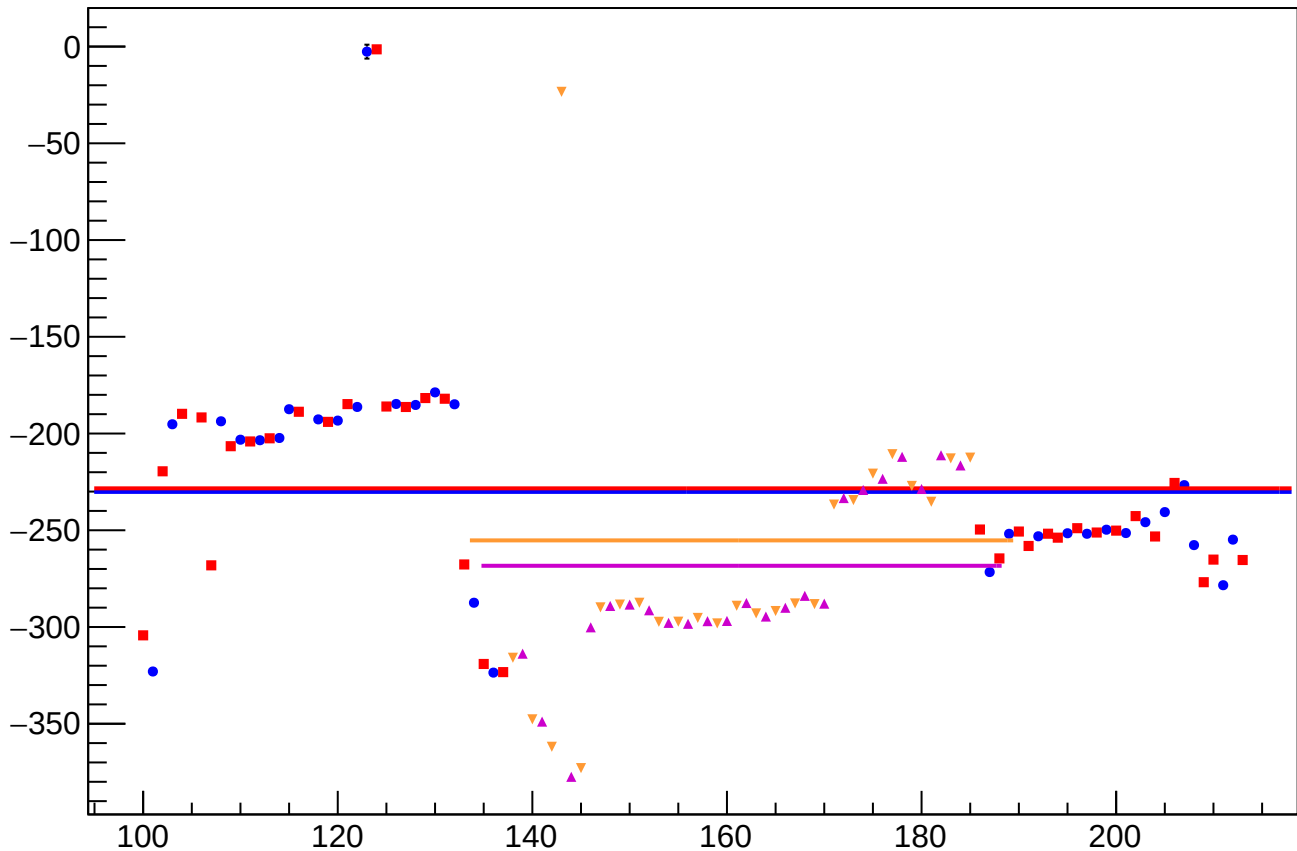
Left In: 140.069 ± 1.795 χ^2/NDF : 316.5/22

+ sign 118.200 ± 1.310 χ^2/NDF : 2025.1/54

All: 118.262 ± 0.932 χ^2/NDF : 3558.7/111

- sign 118.325 ± 1.325 χ^2/NDF : 1533.6/56

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -230.165 ± 0.107 $\chi^2/\text{NDF}: 173224.2/29$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -228.330 ± 0.101 $\chi^2/\text{NDF}: 156553.0/33$

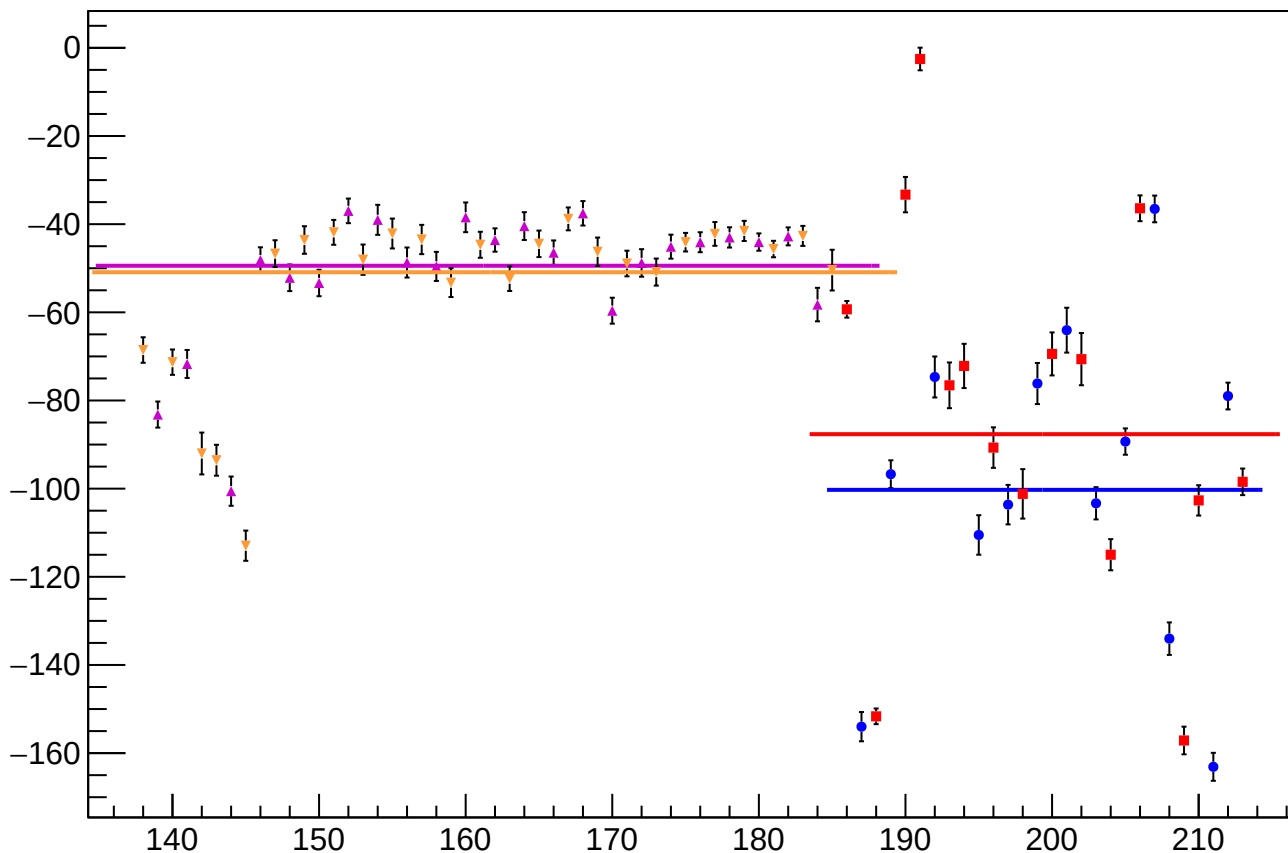
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.909 ± 0.065 $\chi^2/\text{NDF}: 936028.6/54$

All: -249.046 ± 0.046 $\chi^2/\text{NDF}: 1452498.2/11$

- sign -252.137 ± 0.064 $\chi^2/\text{NDF}: 511840.3/56$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -100.272 ± 1.001 χ^2/NDF : 1358.8/12

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -87.642 ± 0.808 χ^2/NDF : 3732.2/14

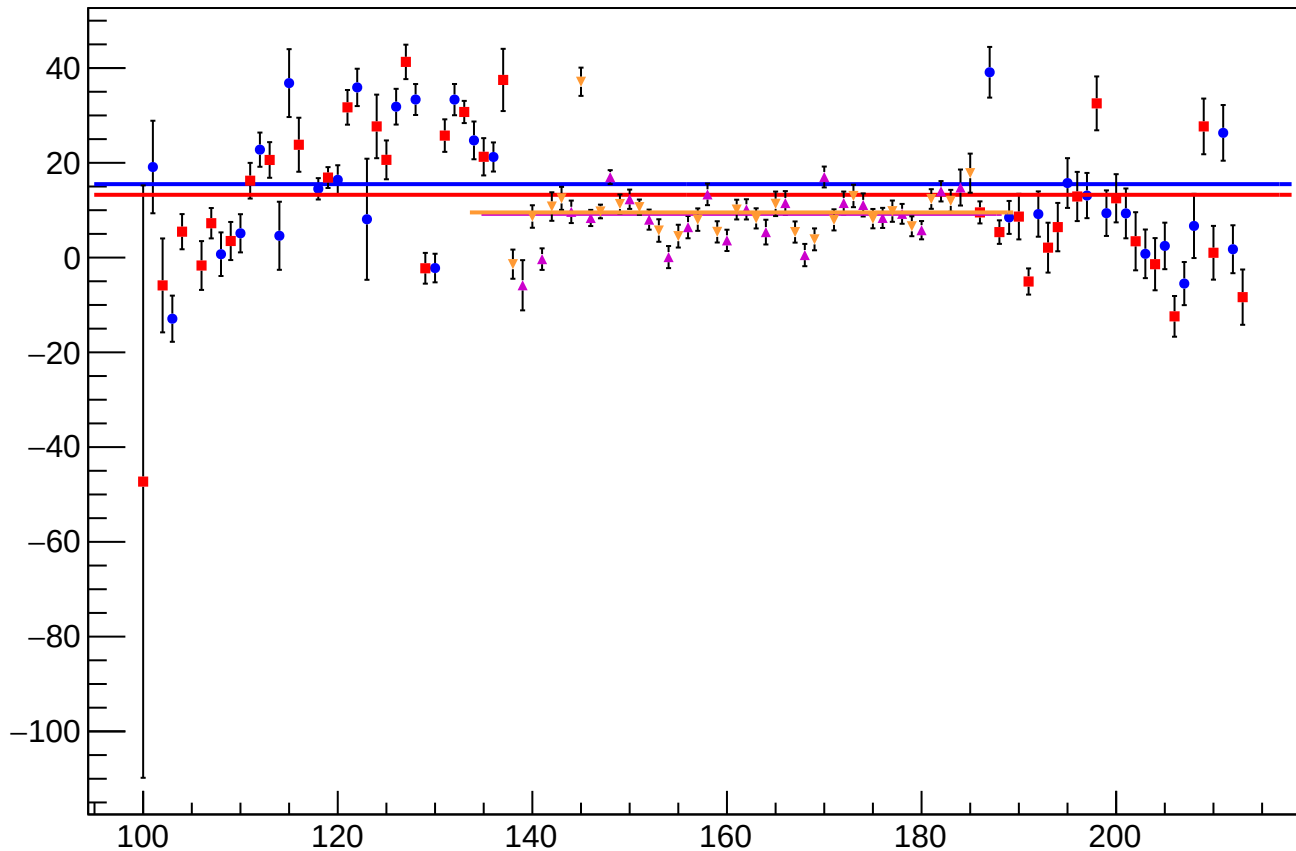
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -63.084 ± 0.497 χ^2/NDF : 3954.0/37

All: -62.794 ± 0.343 χ^2/NDF : 9698.1/75

- sign -62.530 ± 0.473 χ^2/NDF : 5743.5/37

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.501 $\pm$ 0.762 χ^2 /NDF: 292.5/29

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF: 134.4/24

Right Out: 13.251 $\pm$ 0.667 χ^2 /NDF: 384.7/33

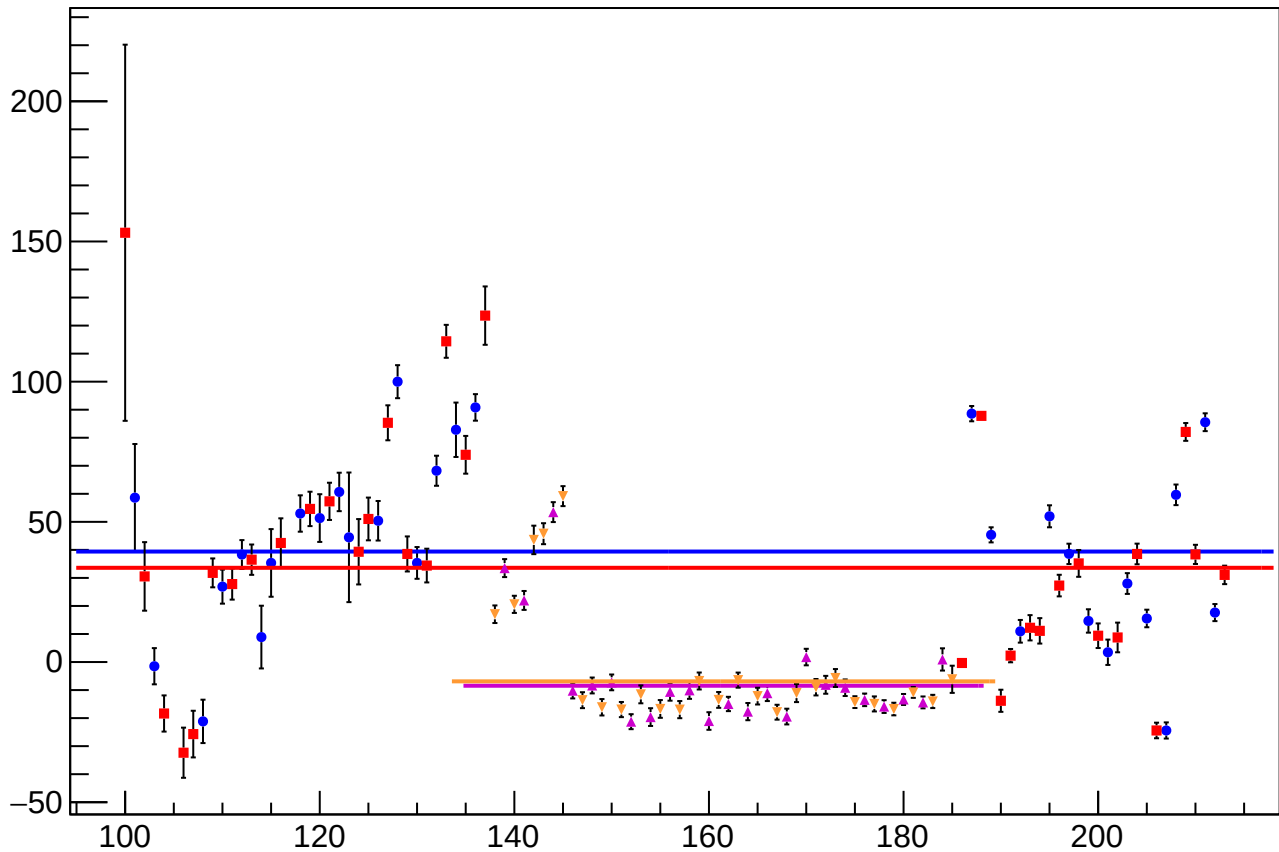
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF: 124.0/22

+ sign 11.054 $\pm$ 0.385 χ^2 /NDF: 472.7/54

All: 10.790 $\pm$ 0.270 χ^2 /NDF: 1006.8/111

- sign 10.532 $\pm$ 0.380 χ^2 /NDF: 533.2/56

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 39.408 ± 0.813 $\chi^2/\text{NDF}: 1744.8/29$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 33.610 ± 0.655 $\chi^2/\text{NDF}: 3596.7/33$

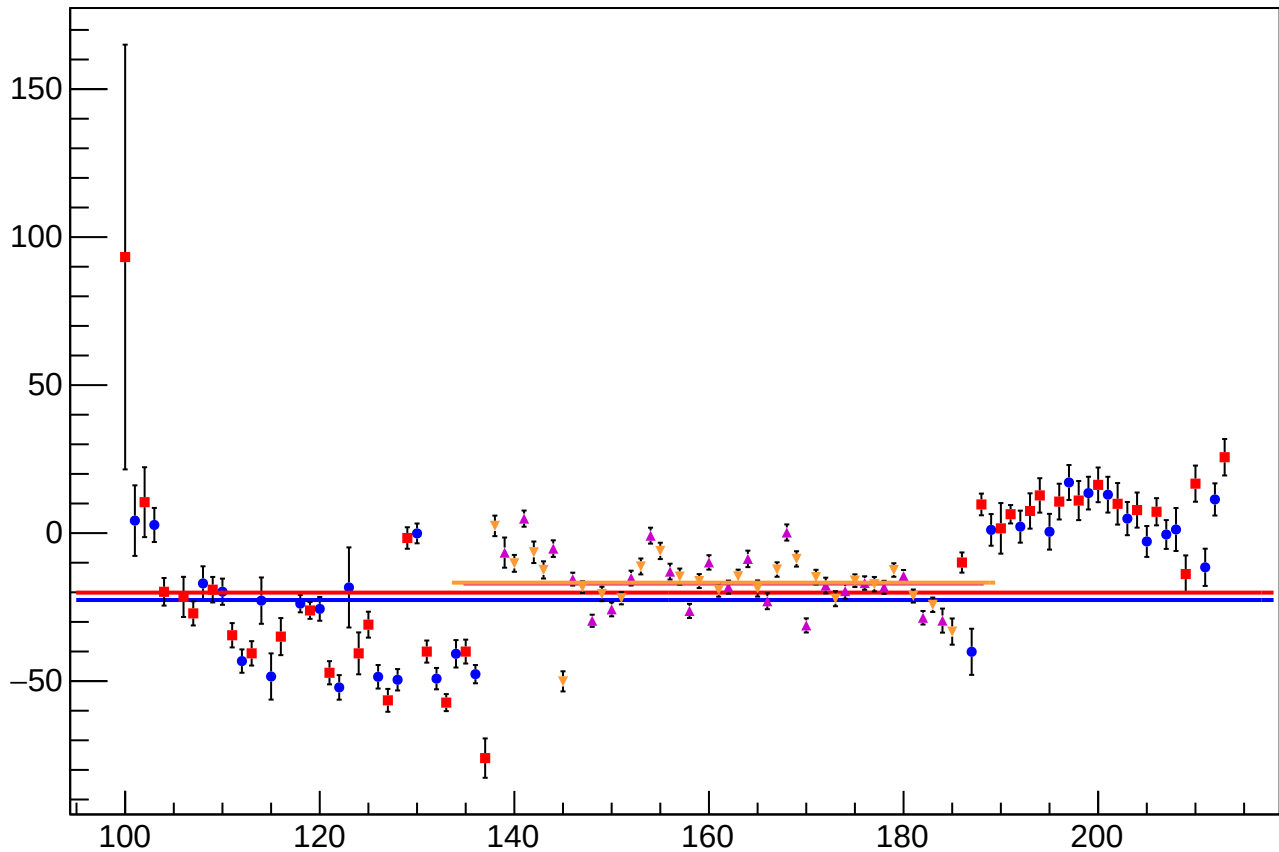
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 8.392 ± 0.467 $\chi^2/\text{NDF}: 4828.9/54$

All: 9.265 ± 0.318 $\chi^2/\text{NDF}: 11432.0/111$

- sign 10.019 ± 0.434 $\chi^2/\text{NDF}: 6596.6/56$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -22.601 ± 0.875 χ^2/NDF : 689.8/29

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -20.104 ± 0.790 χ^2/NDF : 989.2/33

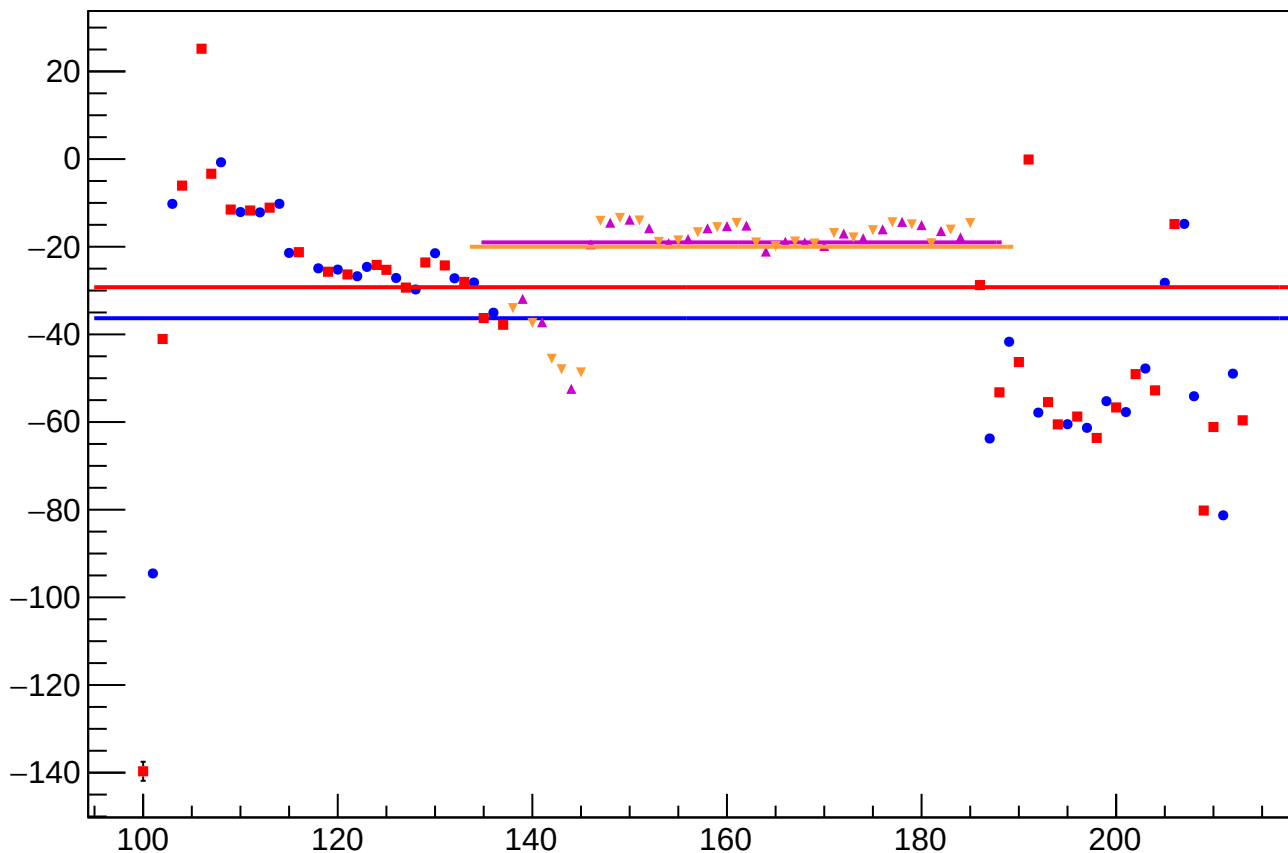
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -18.206 ± 0.438 χ^2/NDF : 946.7/54

All: -18.082 ± 0.309 χ^2/NDF : 2274.3/111

- sign -17.959 ± 0.435 χ^2/NDF : 1327.4/56

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.312 ± 0.041 χ^2/NDF : 244747.0/29

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -29.232 ± 0.036 χ^2/NDF : 469478.5/33

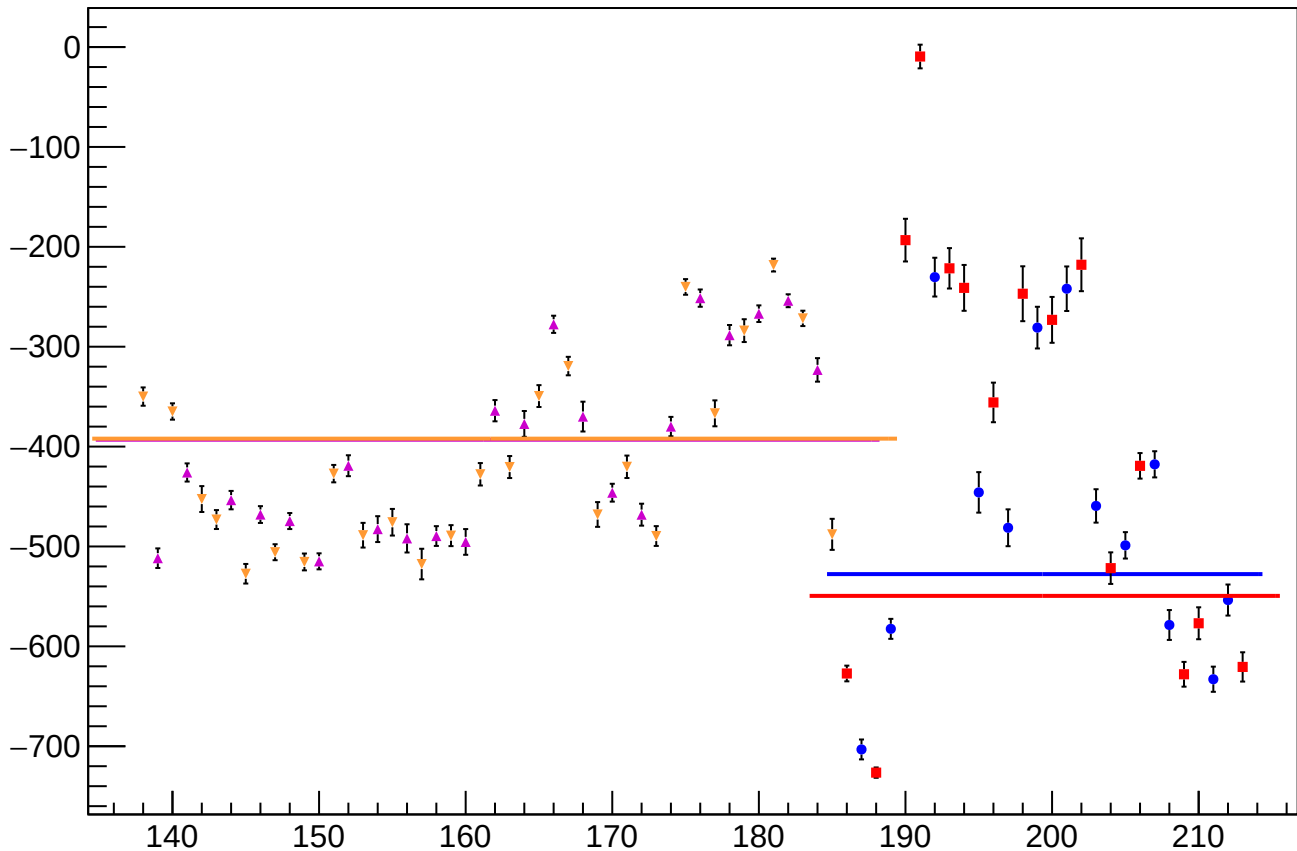
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -23.940 ± 0.020 χ^2/NDF : 508563.6/54

All: -22.985 ± 0.014 χ^2/NDF : 1129219.3/111

- sign -22.076 ± 0.020 χ^2/NDF : 616334.3/56

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -527.668 $\pm$ 4.002 χ^2 /NDF: 1077.3/12

Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF: 2717.2/24

Right Out: -549.472 $\pm$ 3.170 χ^2 /NDF: 4752.3/14

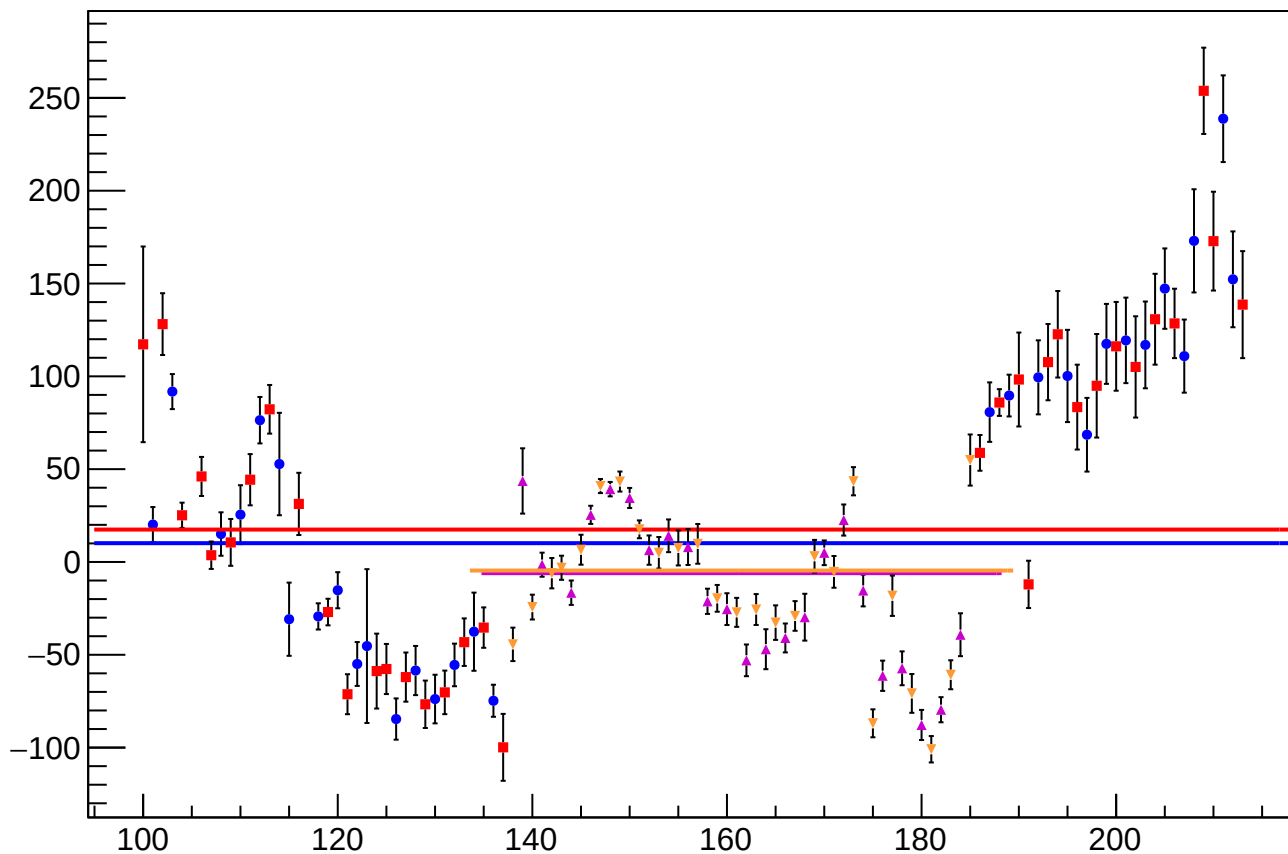
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF: 2253.3/22

+ sign -418.428 $\pm$ 1.765 χ^2 /NDF: 4719.3/37

All: -428.507 $\pm$ 1.223 χ^2 /NDF: 13524.8/75

- sign -437.801 $\pm$ 1.695 χ^2 /NDF: 8742.8/37

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 10.126 ± 2.508 $\chi^2/\text{NDF}: 863.3/29$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 17.457 ± 2.214 $\chi^2/\text{NDF}: 894.5/33$

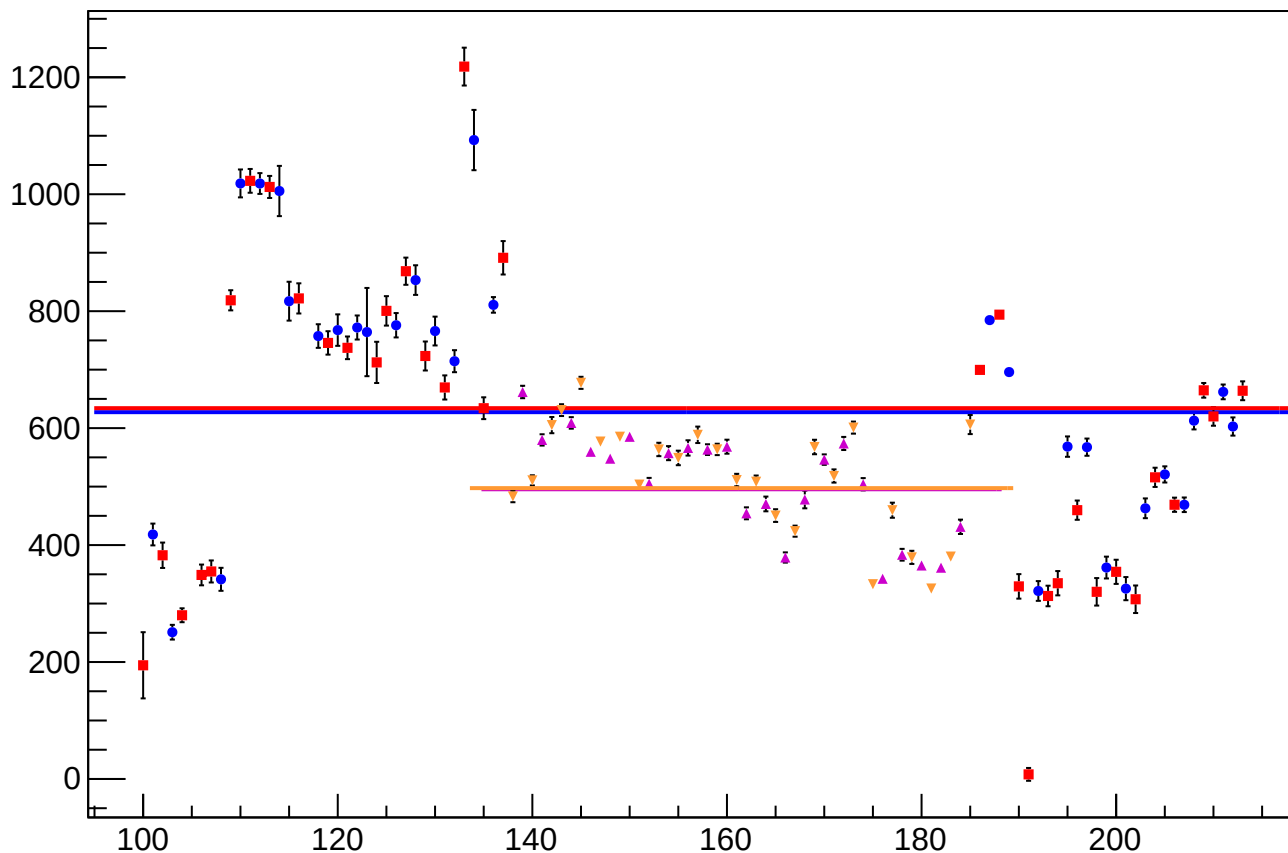
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign -0.883 ± 1.263 $\chi^2/\text{NDF}: 1662.0/54$

All: 0.307 ± 0.889 $\chi^2/\text{NDF}: 3288.9/111$

- sign 1.474 ± 1.251 $\chi^2/\text{NDF}: 1625.1/56$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 627.306 $\pm$ 2.947 χ^2 /NDF: 4222.9/29

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 634.135 $\pm$ 2.372 χ^2 /NDF: 9632.3/33

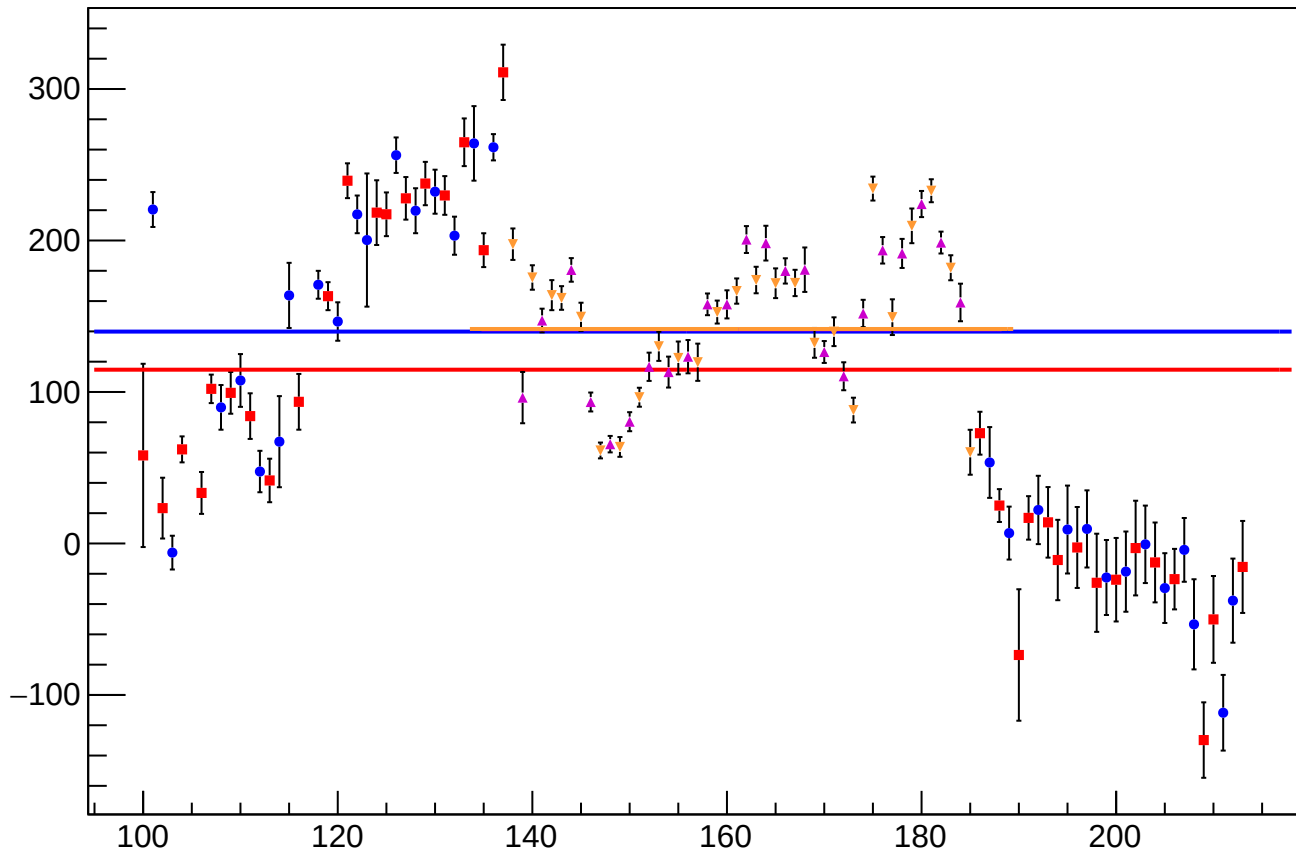
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 537.396 $\pm$ 1.635 χ^2 /NDF: 8182.7/54

All: 545.637 $\pm$ 1.116 χ^2 /NDF: 22120.5/111

- sign 552.808 $\pm$ 1.526 χ^2 /NDF: 13890.3/56

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 139.869 $\pm$ 2.917 χ^2 /NDF: 1295.8/29

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 114.714 $\pm$ 2.649 χ^2 /NDF: 1304.0/33

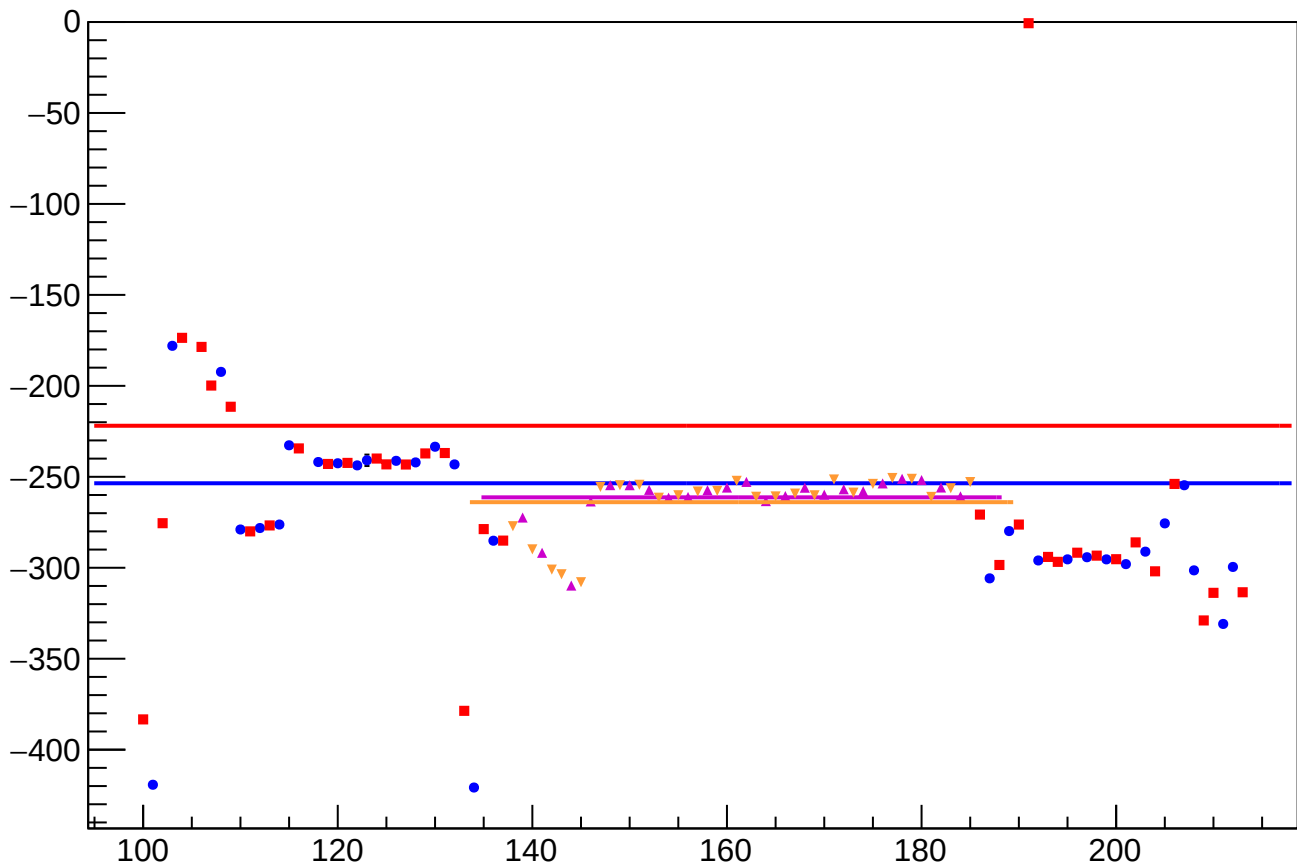
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 141.153 $\pm$ 1.468 χ^2 /NDF: 2255.7/54

All: 137.192 $\pm$ 1.035 χ^2 /NDF: 4385.8/111

- sign 133.279 $\pm$ 1.459 χ^2 /NDF: 2115.7/56

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -253.551 ± 0.135 $\chi^2/\text{NDF}: 202814.2/29$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -221.938 ± 0.121 $\chi^2/\text{NDF}: 510368.6/33$

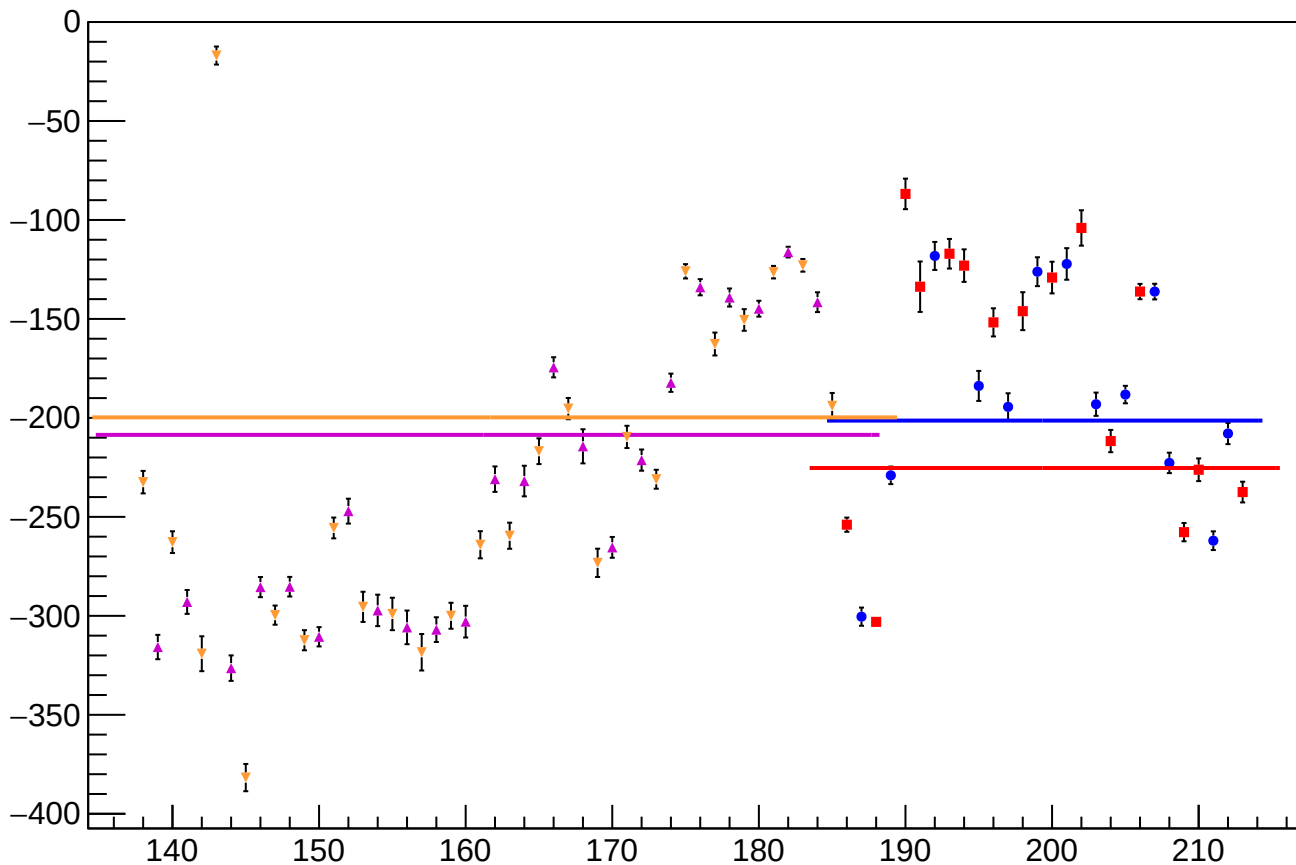
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -261.192 ± 0.070 $\chi^2/\text{NDF}: 246231.1/54$

All: -254.931 ± 0.049 $\chi^2/\text{NDF}: 867806.5/111$

- sign -248.974 ± 0.068 $\chi^2/\text{NDF}: 605813.6/56$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -201.360 ± 1.487 $\chi^2/\text{NDF}: 1319.0/12$

Left Out: -199.741 ± 1.061 $\chi^2/\text{NDF}: 6361.5/24$

Right Out: -225.309 ± 1.311 $\chi^2/\text{NDF}: 2970.4/14$

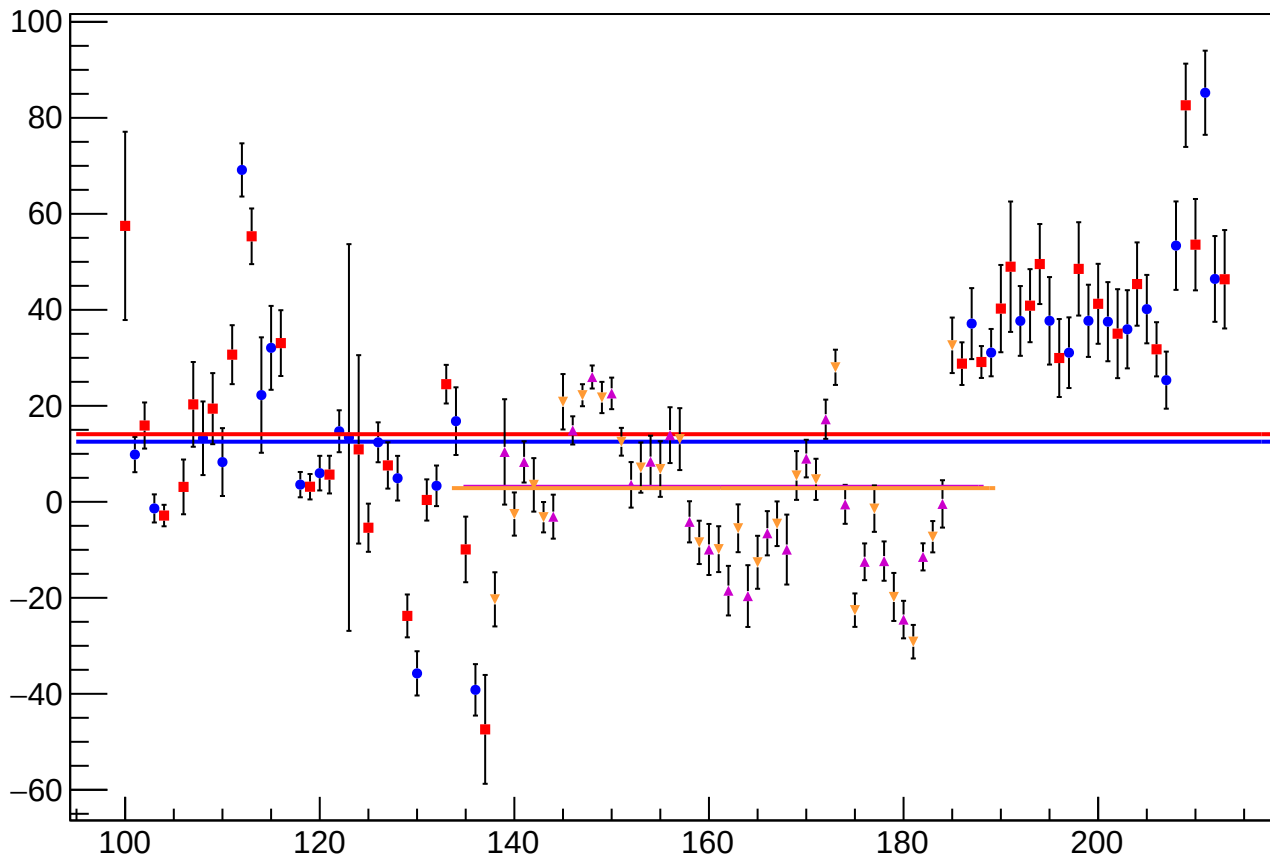
Left In: -208.579 ± 1.082 $\chi^2/\text{NDF}: 4805.1/22$

+ sign -200.288 ± 0.864 $\chi^2/\text{NDF}: 7681.3/37$

All: -208.082 ± 0.600 $\chi^2/\text{NDF}: 15711.2/75$

- sign -215.360 ± 0.835 $\chi^2/\text{NDF}: 7872.4/37$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.527 ± 0.973 $\chi^2/\text{NDF}: 561.3/29$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 14.089 ± 0.915 $\chi^2/\text{NDF}: 523.1/33$

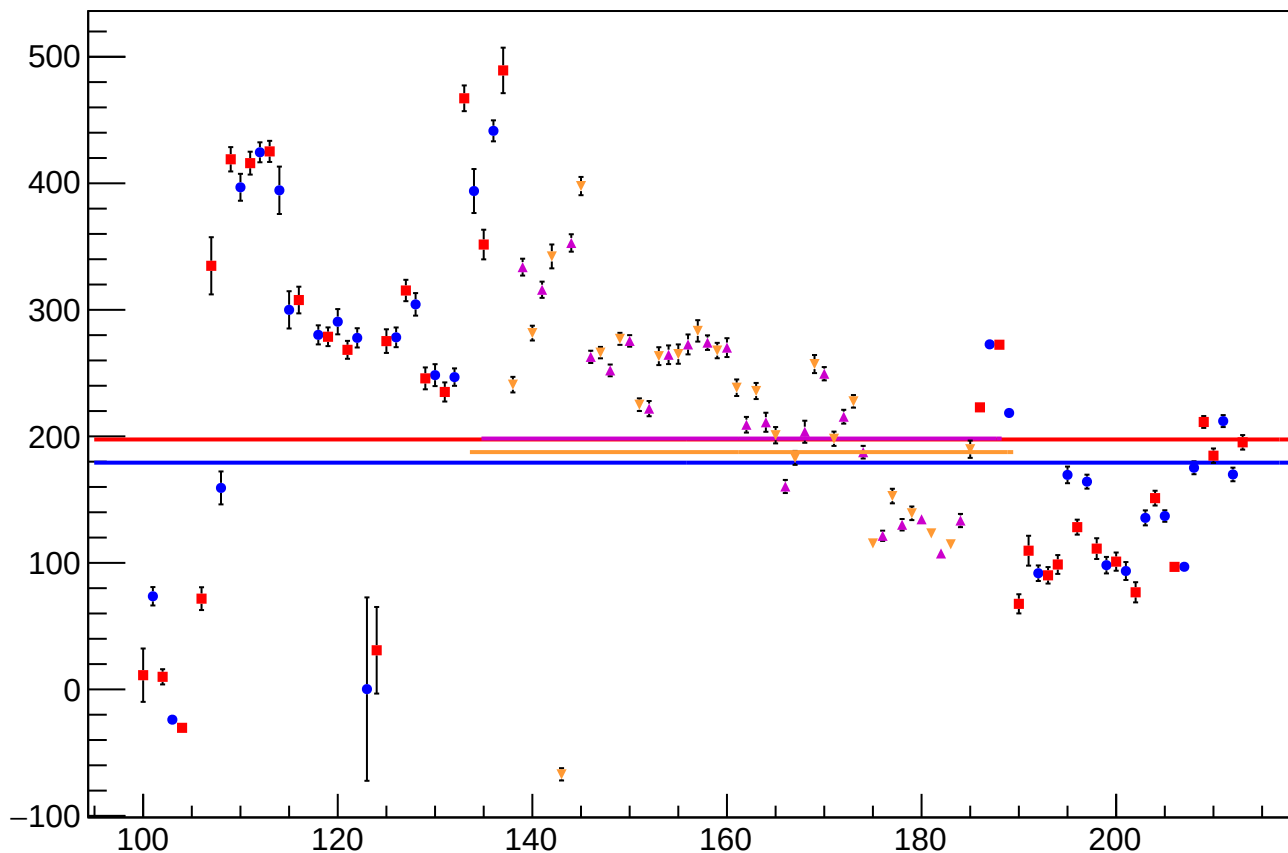
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 6.872 ± 0.627 $\chi^2/\text{NDF}: 1039.0/54$

All: 7.563 ± 0.443 $\chi^2/\text{NDF}: 1960.6/111$

- sign 8.251 ± 0.625 $\chi^2/\text{NDF}: 919.2/56$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 179.212 $\pm$ 1.128 χ^2 /NDF: 8737.5/29

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 197.544 $\pm$ 0.990 χ^2 /NDF: 12144.8/33

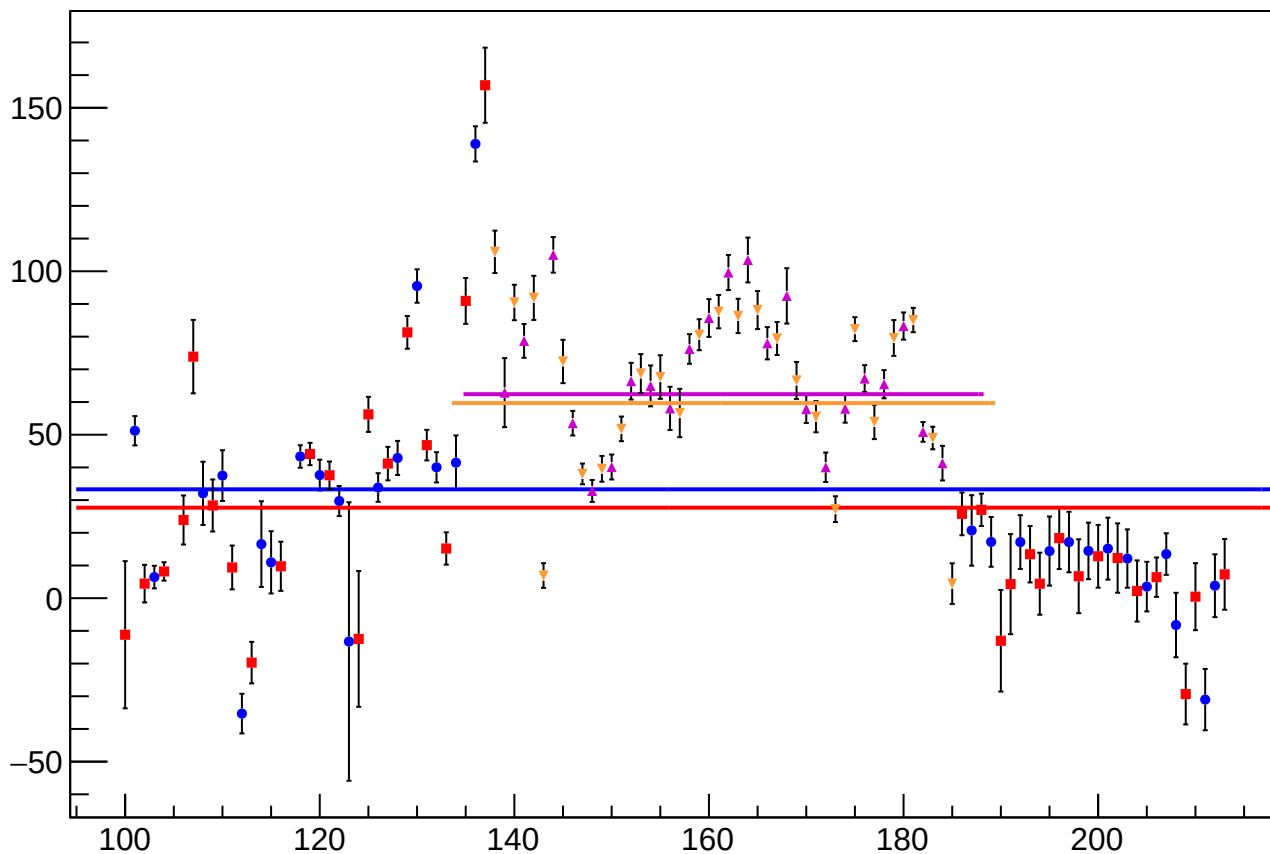
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 183.626 $\pm$ 0.775 χ^2 /NDF: 15848.5/54

All: 191.171 $\pm$ 0.531 χ^2 /NDF: 32688.4/111

- sign 197.874 $\pm$ 0.730 χ^2 /NDF: 16660.9/56

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 33.295 ± 1.134 $\chi^2/\text{NDF}: 892.1/29$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 27.682 ± 1.090 $\chi^2/\text{NDF}: 662.2/33$

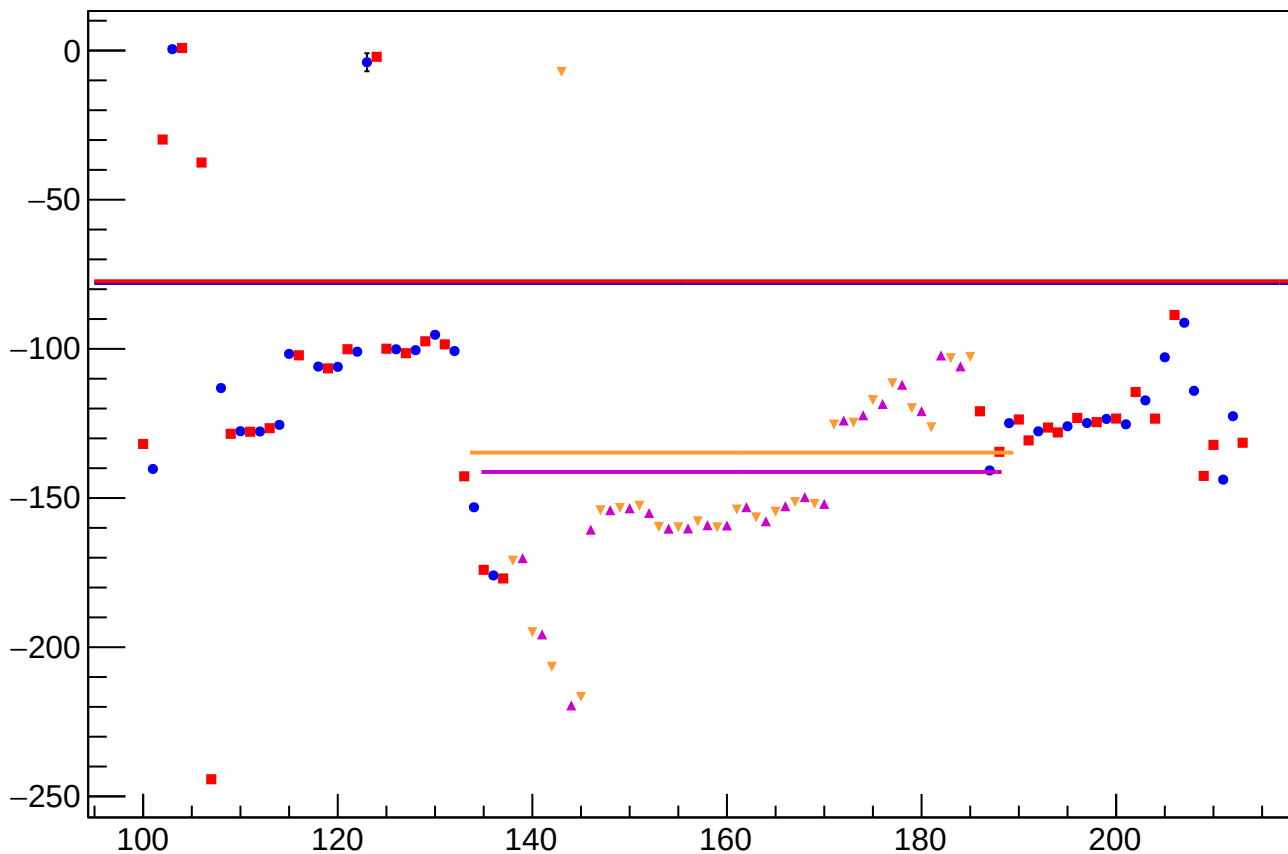
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 48.923 ± 0.724 $\chi^2/\text{NDF}: 1970.5/54$

All: 47.954 ± 0.513 $\chi^2/\text{NDF}: 3606.7/111$

- sign 46.979 ± 0.726 $\chi^2/\text{NDF}: 1632.6/56$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -77.904 ± 0.051 $\chi^2/\text{NDF}: 1446713.8/29$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -77.340 ± 0.049 $\chi^2/\text{NDF}: 1443026.2/33$

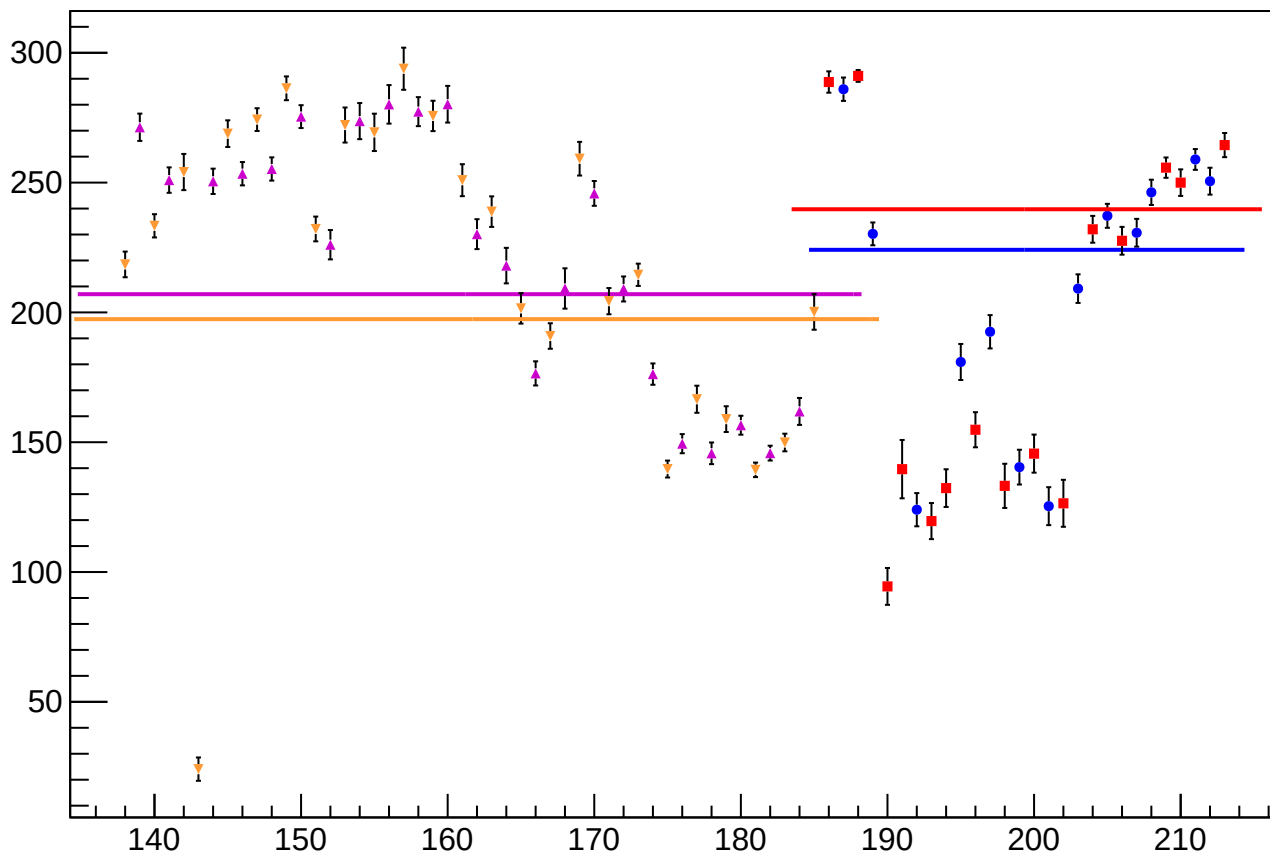
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -109.998 ± 0.033 $\chi^2/\text{NDF}: 2963150.1/54$

All: -110.917 ± 0.024 $\chi^2/\text{NDF}: 5671864.5/11$

- sign -111.827 ± 0.033 $\chi^2/\text{NDF}: 2707210.9/56$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 224.112 $\pm$ 1.461 χ^2 /NDF: 977.0/12

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF: 4384.2/24

Right Out: 239.729 $\pm$ 1.283 χ^2 /NDF: 2357.2/14

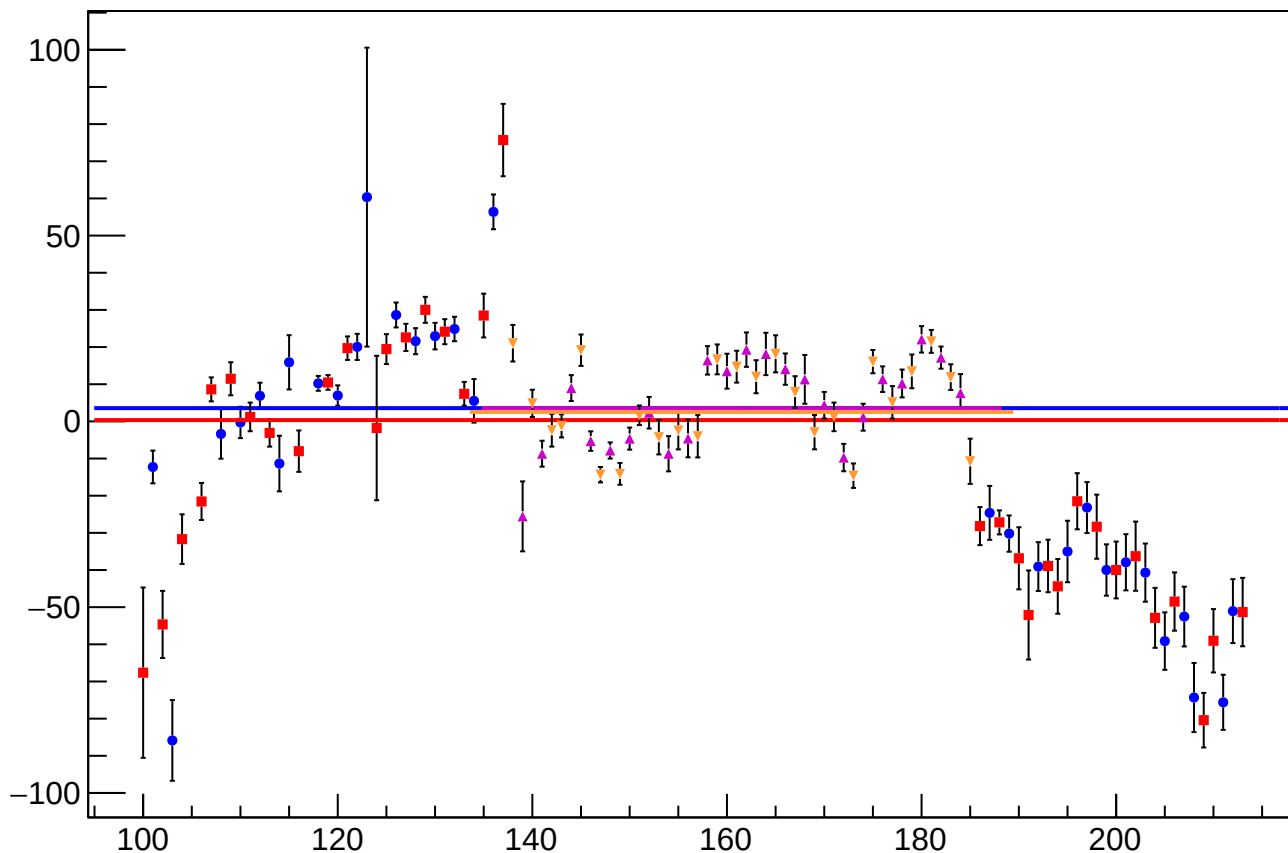
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF: 2611.5/22

+ sign 205.495 $\pm$ 0.804 χ^2 /NDF: 5594.1/37

All: 212.535 $\pm$ 0.561 χ^2 /NDF: 11119.9/75

- sign 219.228 $\pm$ 0.784 χ^2 /NDF: 5376.3/37

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 3.567 ± 0.849 χ^2/NDF : 991.0/29

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 0.347 ± 0.810 χ^2/NDF : 992.7/33

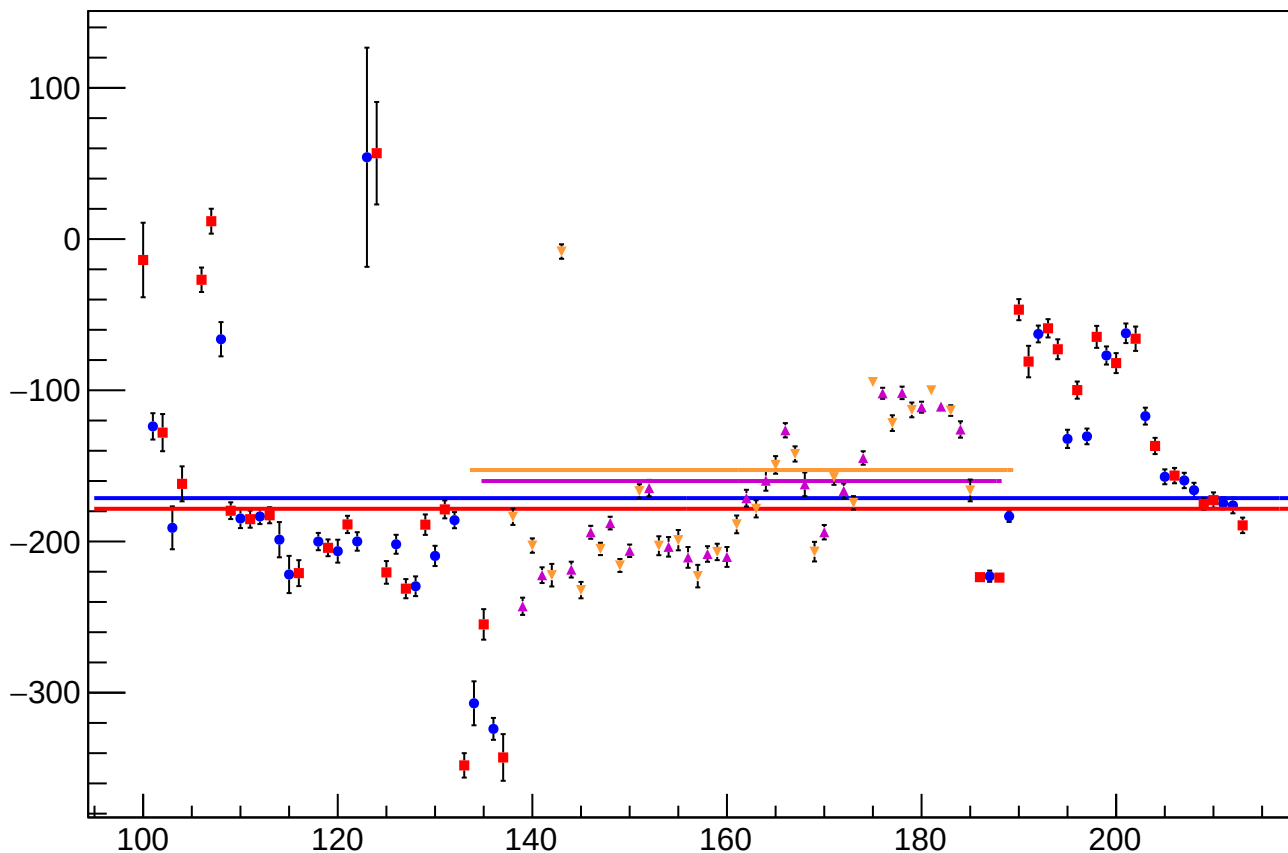
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 2.988 ± 0.558 χ^2/NDF : 1267.2/54

All: 2.508 ± 0.395 χ^2/NDF : 2461.6/111

- sign 2.026 ± 0.560 χ^2/NDF : 1192.9/56

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -171.321 ± 1.081 χ^2/NDF : 2233.7/29

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -178.371 ± 0.947 χ^2/NDF : 4584.8/33

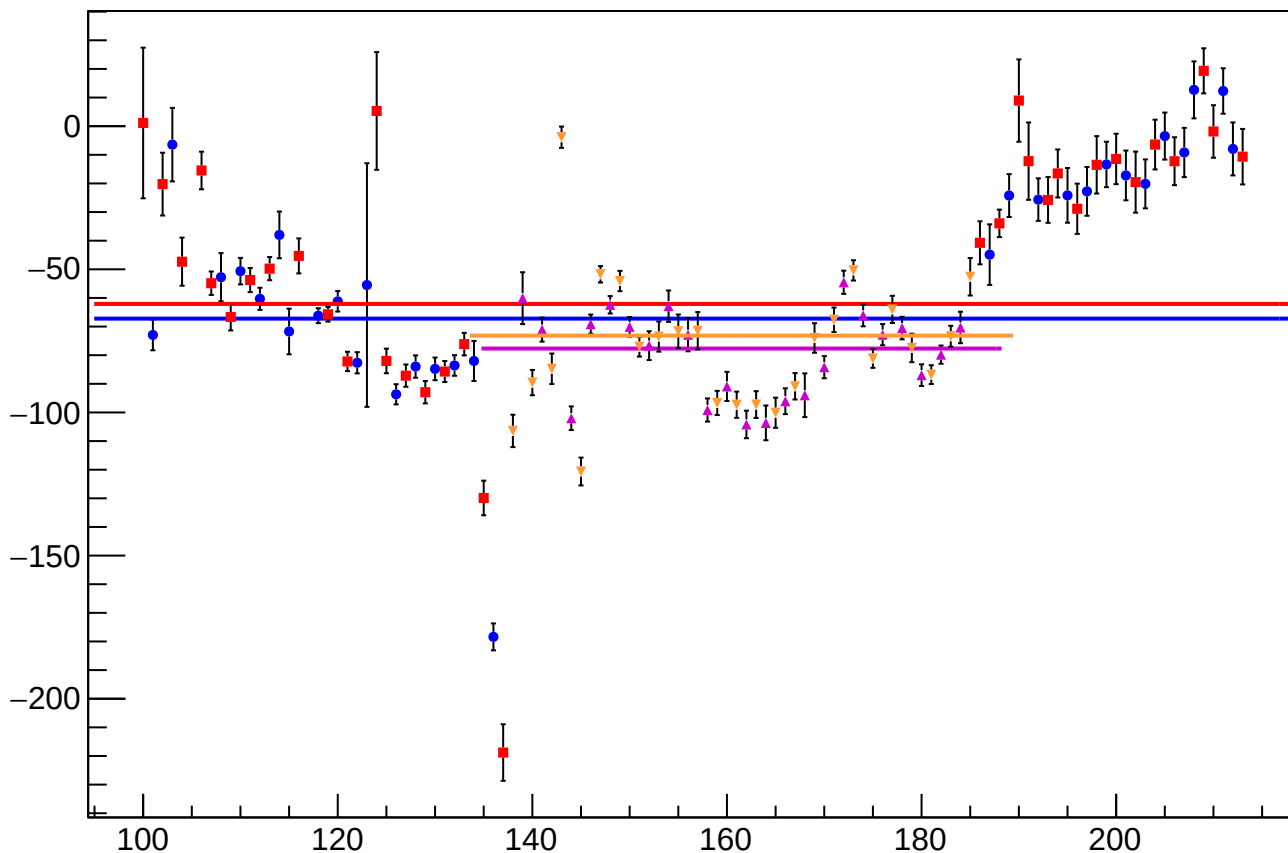
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -160.999 ± 0.721 χ^2/NDF : 5475.7/54

All: -165.521 ± 0.496 χ^2/NDF : 12339.3/111

- sign -169.593 ± 0.684 χ^2/NDF : 6788.8/56

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -67.220 ± 0.985 χ^2/NDF : 1292.6/29

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -62.095 ± 0.948 χ^2/NDF : 1175.8/33

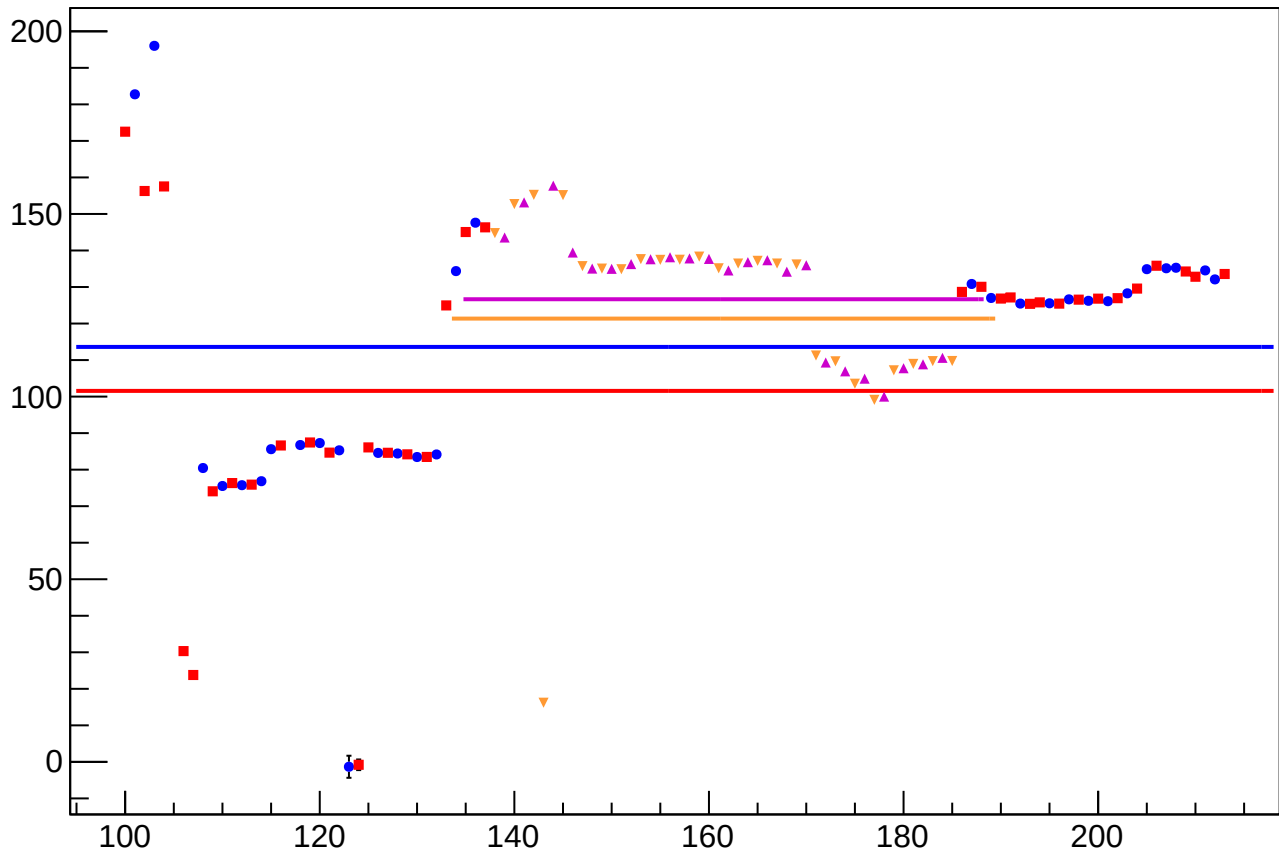
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -70.625 ± 0.644 χ^2/NDF : 2102.1/54

All: -70.533 ± 0.456 χ^2/NDF : 3670.8/111

- sign -70.441 ± 0.646 χ^2/NDF : 1568.7/56

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 113.602 $\pm$ 0.055 χ^2 /NDF: 324354.5/29

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 101.562 $\pm$ 0.050 χ^2 /NDF: 599530.2/33

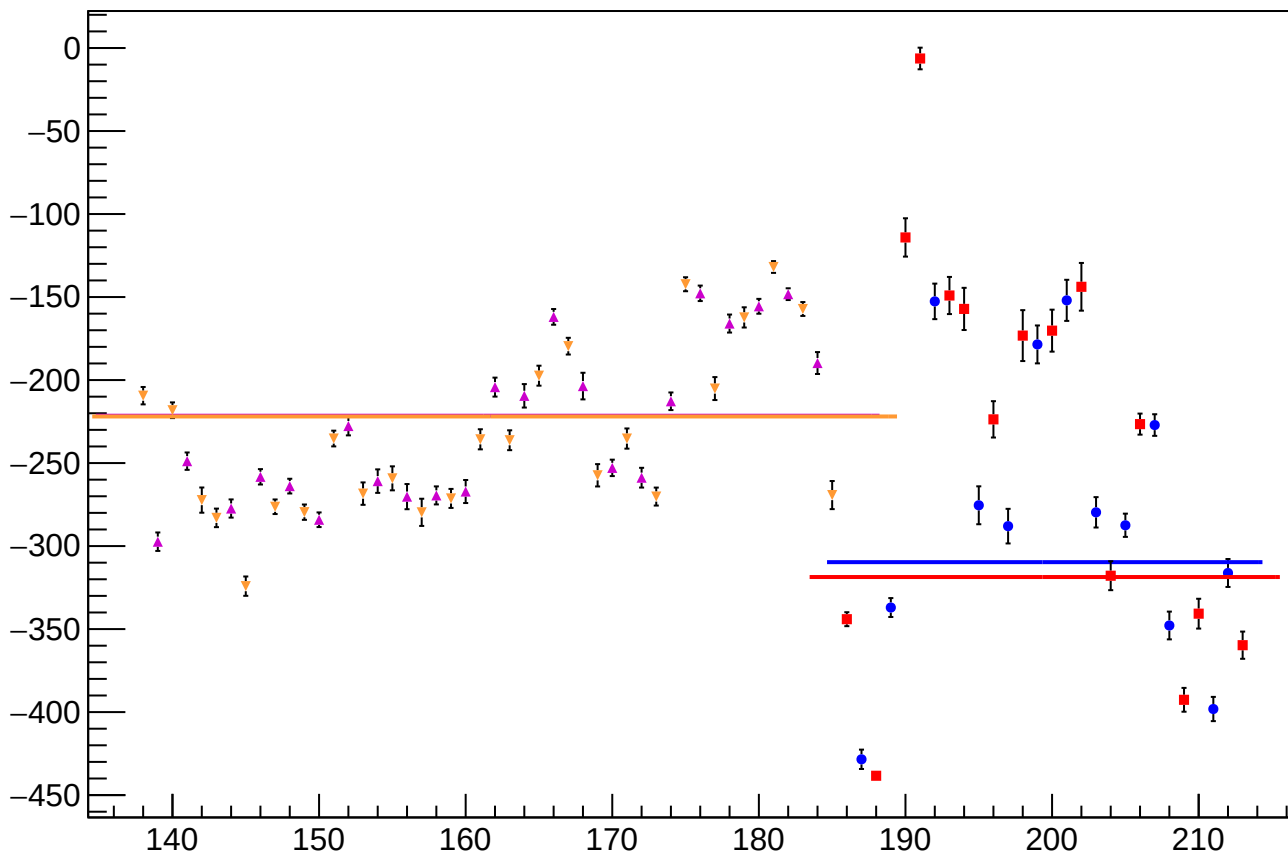
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.636 $\pm$ 0.032 χ^2 /NDF: 819315.5/54

All: 117.591 $\pm$ 0.023 χ^2 /NDF: 1733574.9/111

- sign 116.589 $\pm$ 0.032 χ^2 /NDF: 912231.4/56

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -309.682 ± 2.219 χ^2/NDF : 1310.6/12

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -318.643 ± 1.771 χ^2/NDF : 5391.6/14

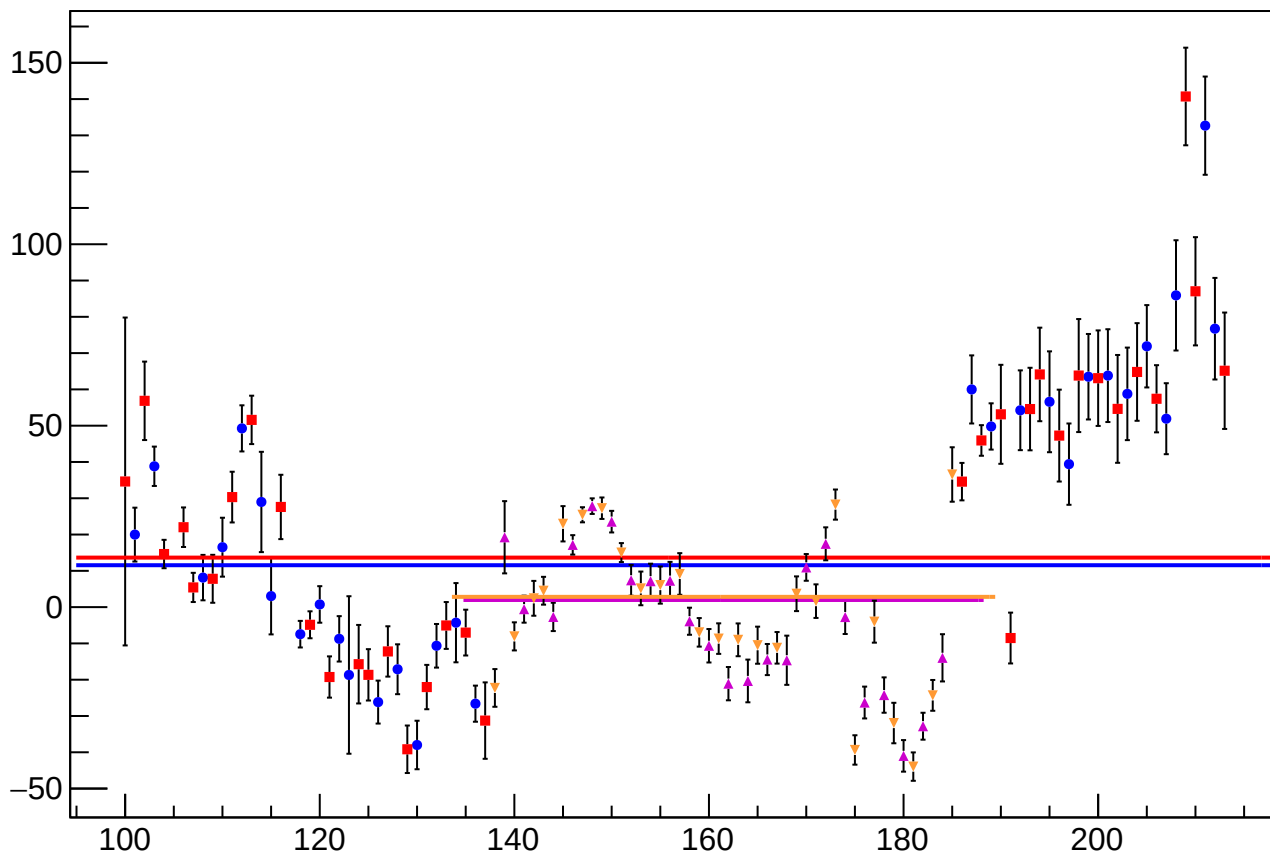
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -238.856 ± 0.974 χ^2/NDF : 5151.6/37

All: -243.926 ± 0.675 χ^2/NDF : 14914.0/75

- sign -248.603 ± 0.936 χ^2/NDF : 9710.3/37

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 11.549 $\pm$ 1.371 χ^2 /NDF: 611.4/29

Left Out: 2.832 $\pm$ 0.807 χ^2 /NDF:686.9/24

Right Out: 13.646 $\pm$ 1.200 χ^2 /NDF: 622.6/33

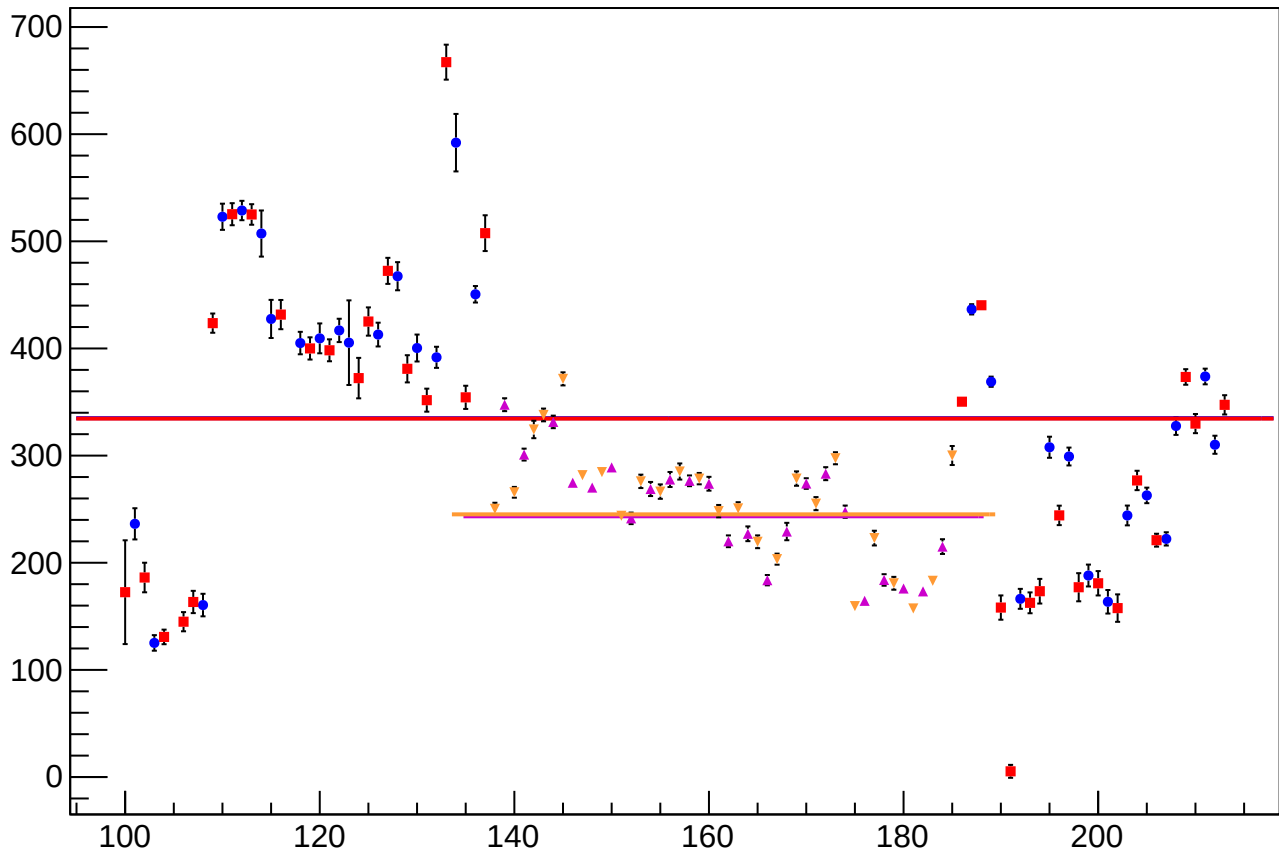
Left In: 1.969 $\pm$ 0.835 χ^2 /NDF:589.1/22

+ sign 5.075 $\pm$ 0.695 χ^2 /NDF: 1328.4/54

All: 5.431 $\pm$ 0.488 χ^2 /NDF: 2604.4/111

- sign 5.777 $\pm$ 0.685 χ^2 /NDF: 1275.5/56

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 334.943 $\pm$ 1.633 χ^2 /NDF: 4474.1/29

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 334.538 $\pm$ 1.316 χ^2 /NDF: 10099.5/33

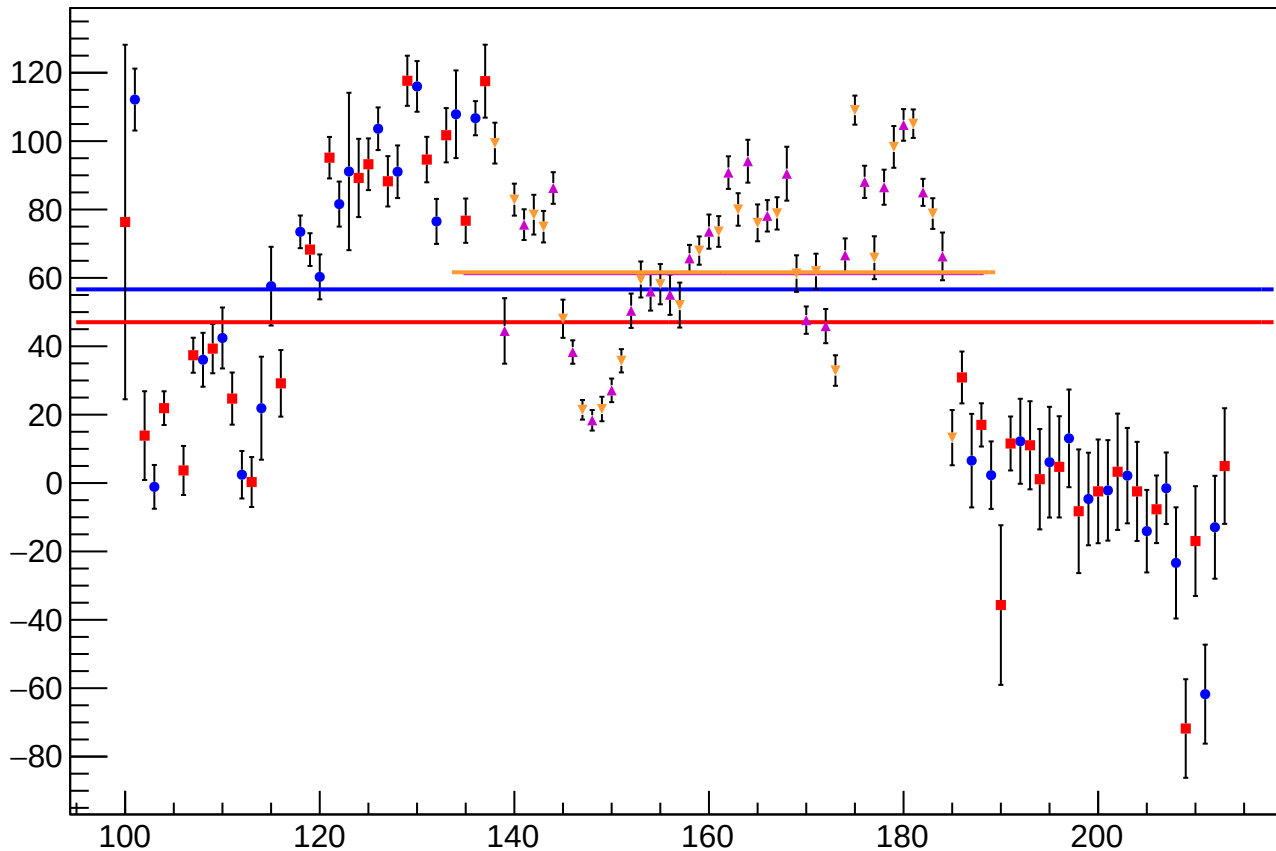
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 272.571 $\pm$ 0.902 χ^2 /NDF: 9171.7/54

All: 276.874 $\pm$ 0.615 χ^2 /NDF: 24389.9/111

- sign 280.615 $\pm$ 0.841 χ^2 /NDF: 15175.6/56

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 56.642 ± 1.591 $\chi^2/\text{NDF}: 795.1/29$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 47.045 ± 1.431 $\chi^2/\text{NDF}: 792.3/33$

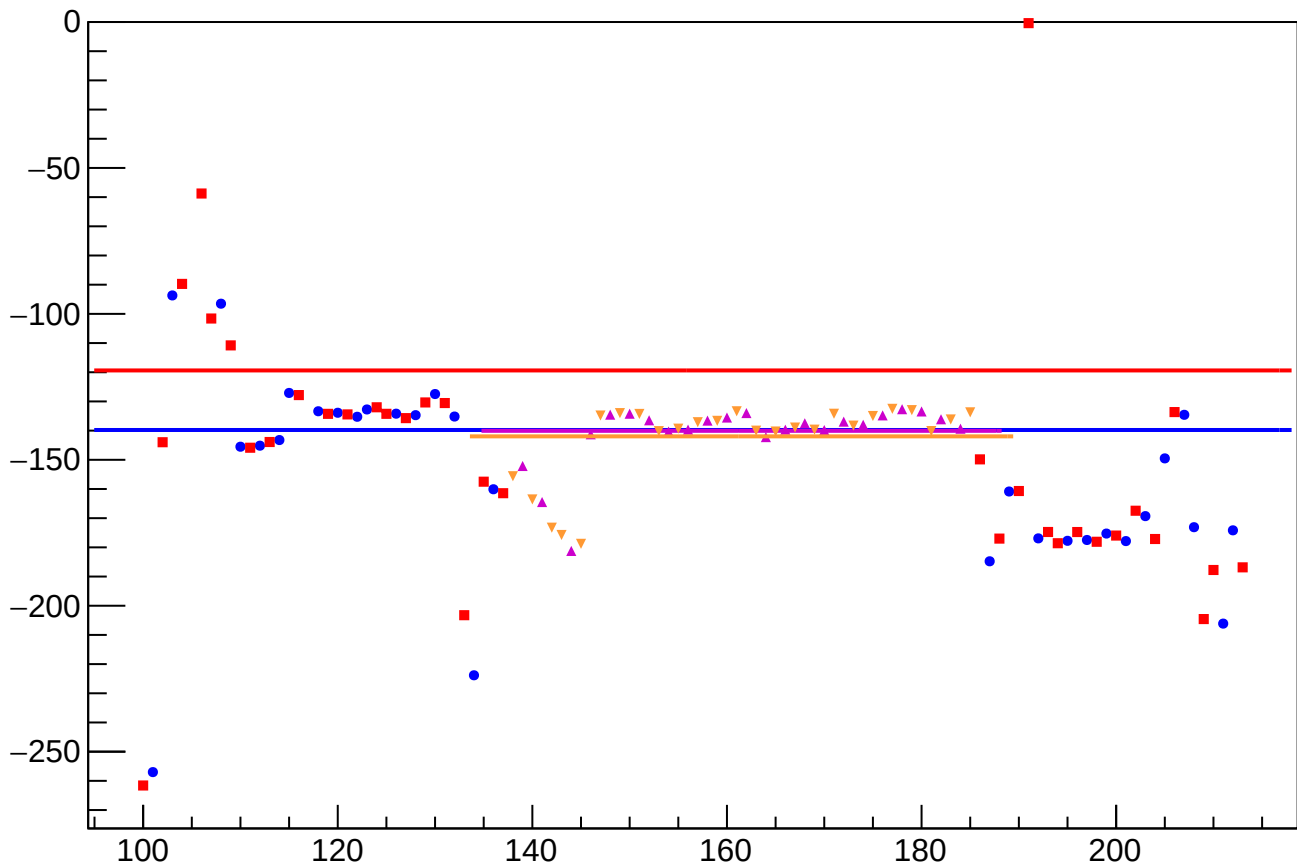
Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

+ sign 60.360 ± 0.807 $\chi^2/\text{NDF}: 1673.9/54$

All: 58.621 ± 0.567 $\chi^2/\text{NDF}: 3244.2/111$

- sign 56.921 ± 0.798 $\chi^2/\text{NDF}: 1561.1/56$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -139.785 ± 0.075 $\chi^2/\text{NDF}: 248326.6/29$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -119.381 ± 0.067 $\chi^2/\text{NDF}: 640440.2/33$

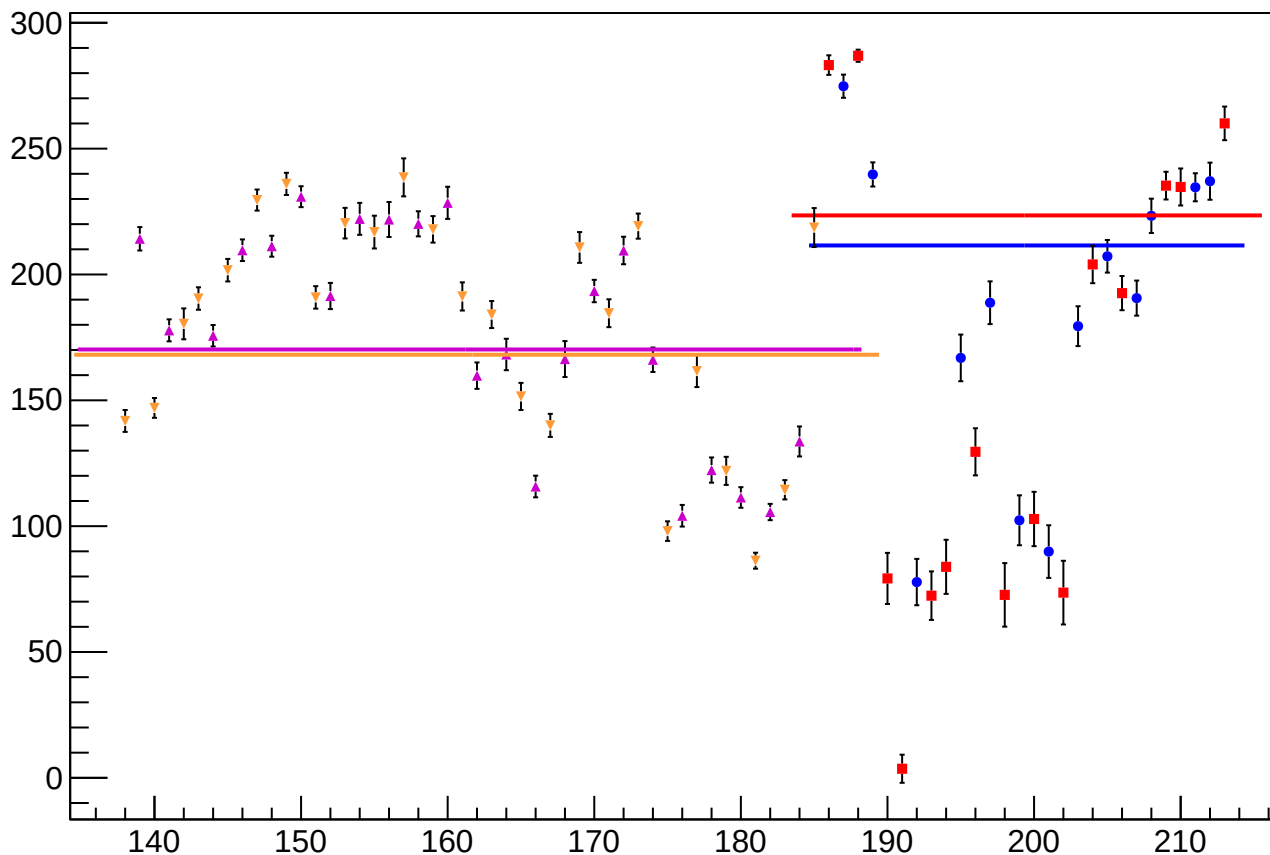
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -141.398 ± 0.038 $\chi^2/\text{NDF}: 329203.8/54$

All: -137.378 ± 0.027 $\chi^2/\text{NDF}: 1105144.2/11$

- sign -133.588 ± 0.037 $\chi^2/\text{NDF}: 754663.1/56$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 211.532 $\pm$ 1.891 χ^2 /NDF: 779.4/12

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF: 2468.8/24

Right Out: 223.467 $\pm$ 1.498 χ^2 /NDF: 3668.4/14

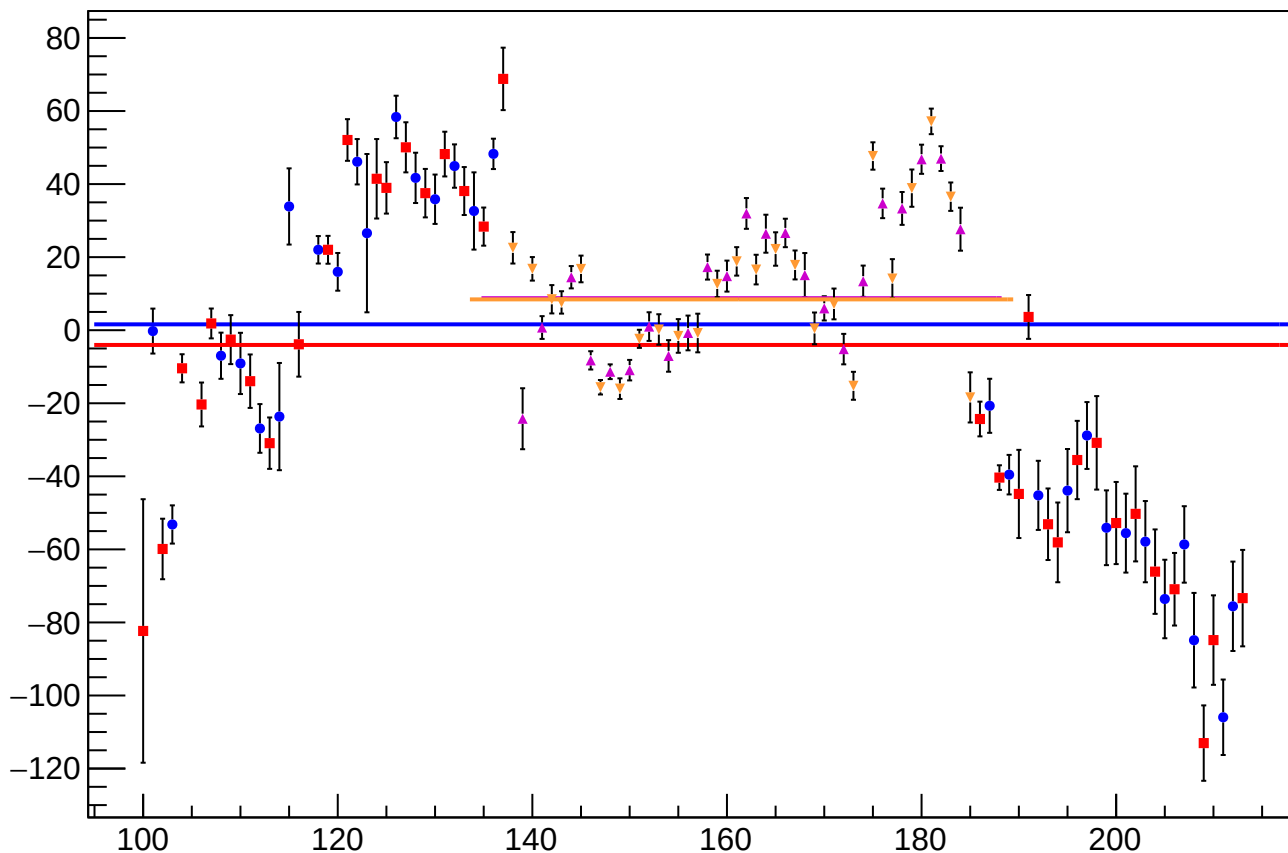
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF: 2024.5/22

+ sign 177.156 $\pm$ 0.863 χ^2 /NDF: 3665.6/37

All: 182.024 $\pm$ 0.598 χ^2 /NDF: 10296.9/75

- sign 186.515 $\pm$ 0.829 χ^2 /NDF: 6570.1/37

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 1.604 ± 1.300 χ^2/NDF : 1056.2/29

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -4.037 ± 1.139 χ^2/NDF : 1101.9/33

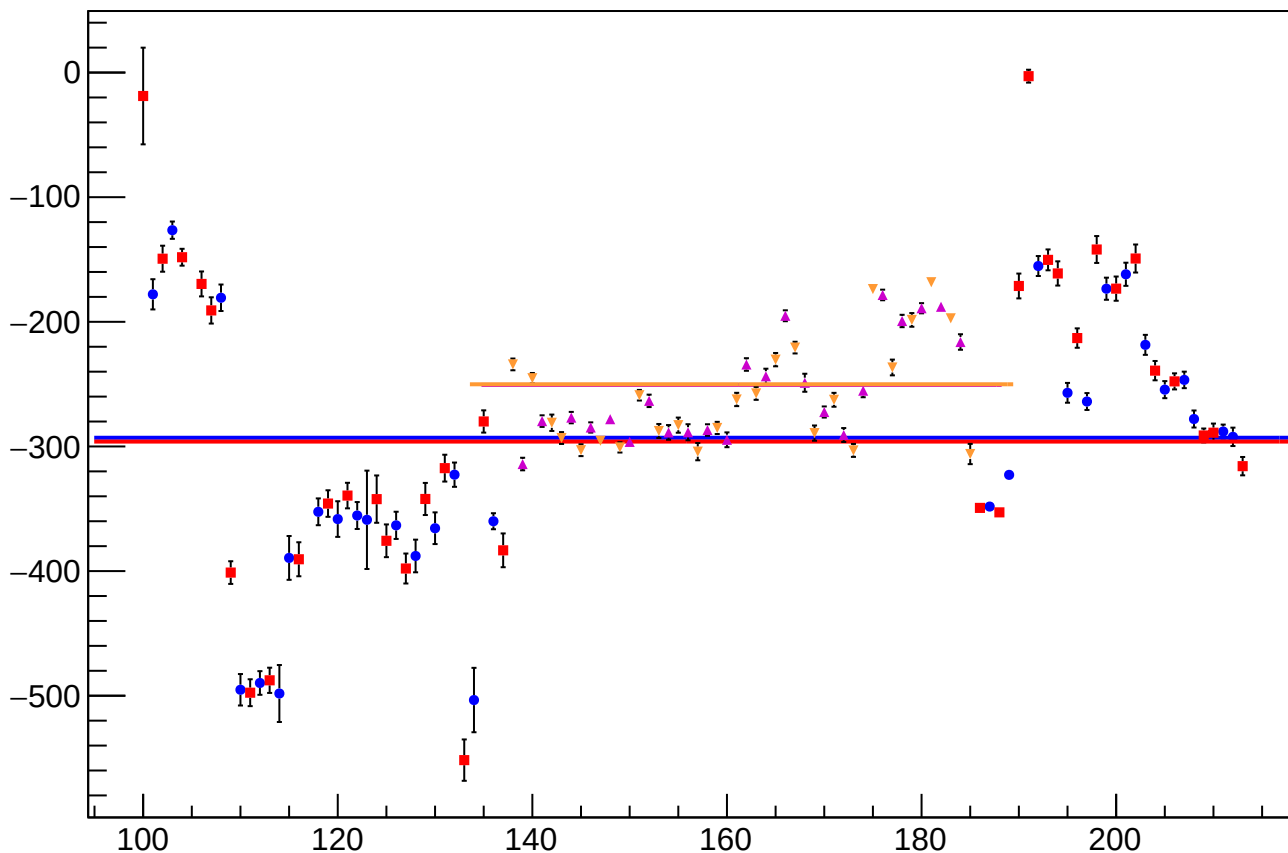
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 6.805 ± 0.635 χ^2/NDF : 1829.3/54

All: 5.815 ± 0.448 χ^2/NDF : 3650.3/111

- sign 4.838 ± 0.631 χ^2/NDF : 1816.2/56

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.019 ± 1.442 χ^2/NDF : 3131.9/29

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -296.089 ± 1.152 χ^2/NDF : 8118.8/33

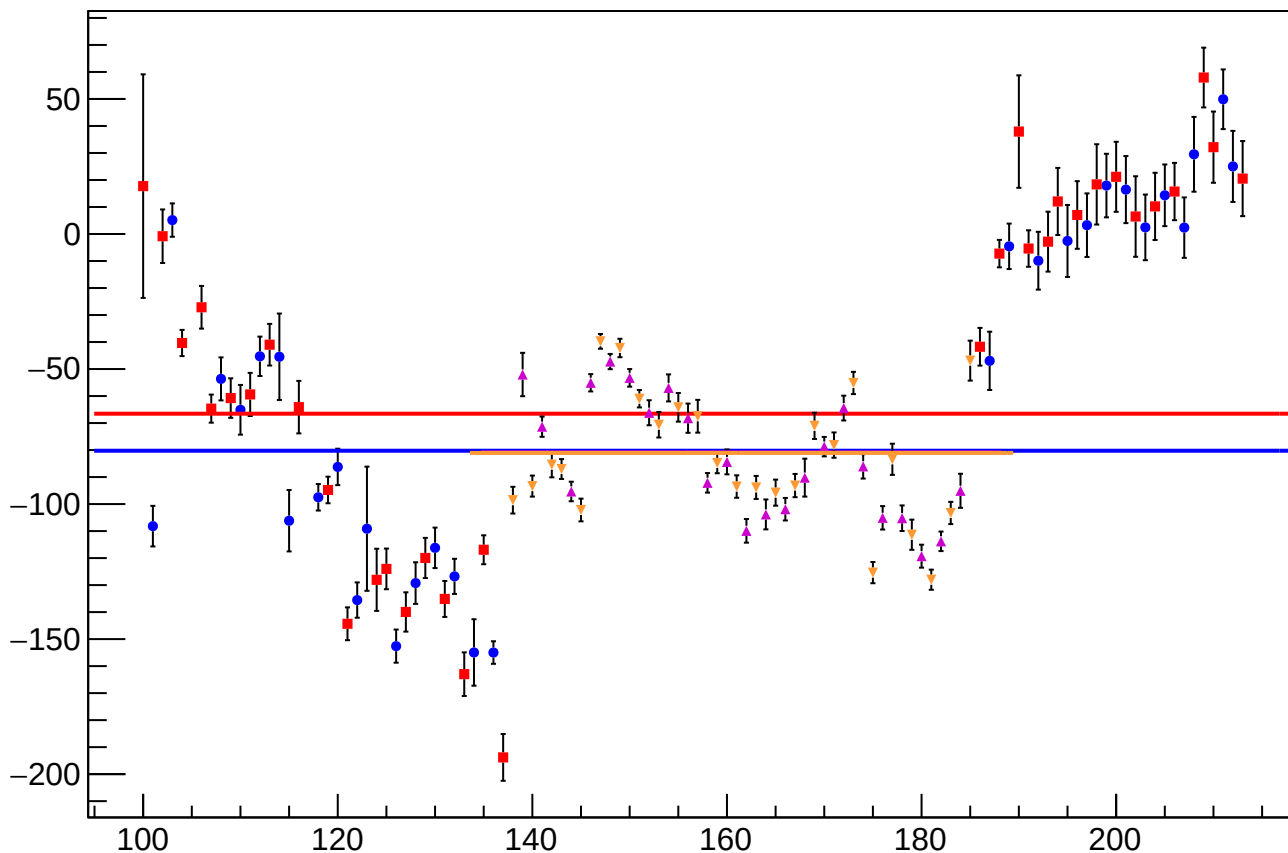
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -263.525 ± 0.806 χ^2/NDF : 5987.2/54

All: -266.967 ± 0.549 χ^2/NDF : 16972.8/111

- sign -269.952 ± 0.751 χ^2/NDF : 10951.5/56

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -80.250 ± 1.509 $\chi^2/\text{NDF}: 1732.5/29$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -66.538 ± 1.363 $\chi^2/\text{NDF}: 1889.9/33$

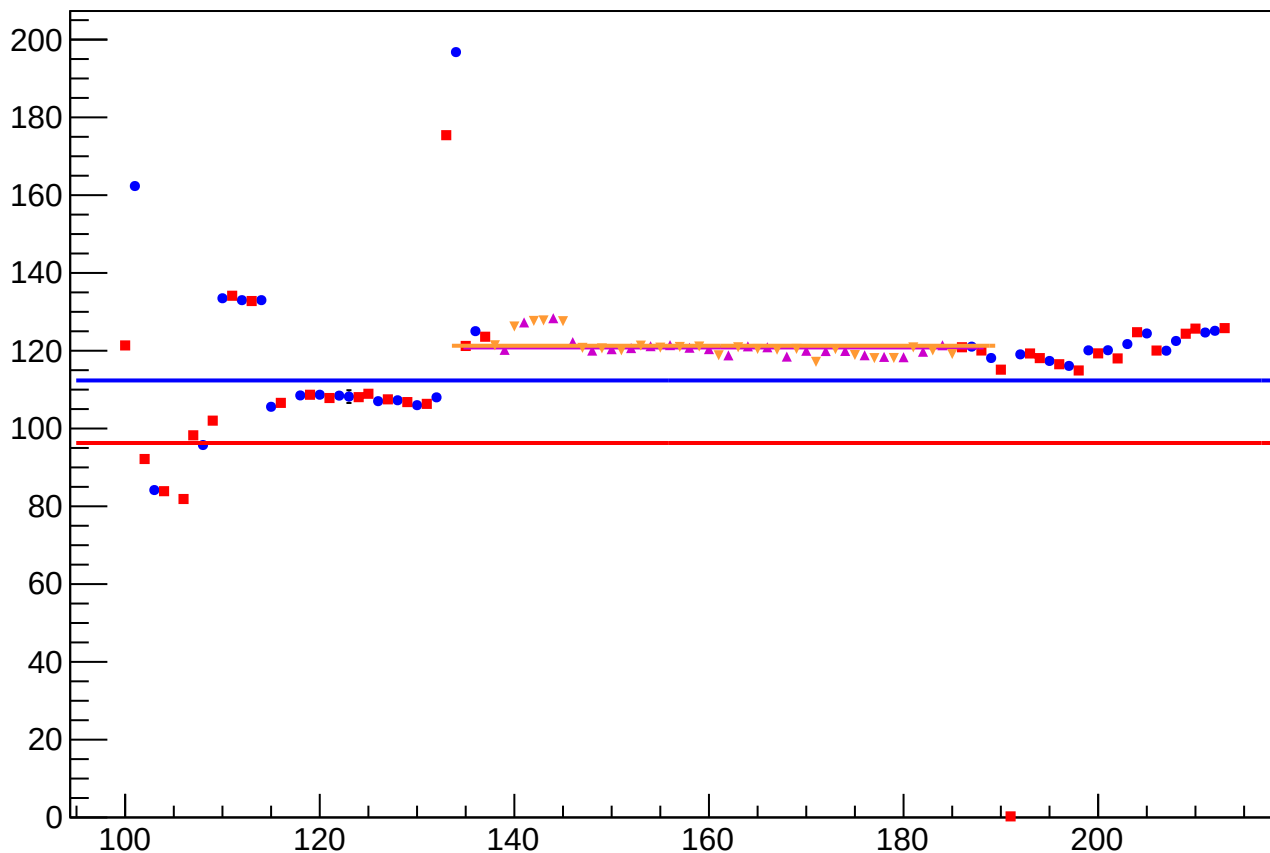
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -80.865 ± 0.736 $\chi^2/\text{NDF}: 2645.7/54$

All: -78.769 ± 0.520 $\chi^2/\text{NDF}: 5323.0/111$

- sign -76.682 ± 0.734 $\chi^2/\text{NDF}: 2661.1/56$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.358 $\pm$ 0.069 χ^2 /NDF: 80001.0/29

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 96.278 $\pm$ 0.061 χ^2 /NDF: 370798.2/33

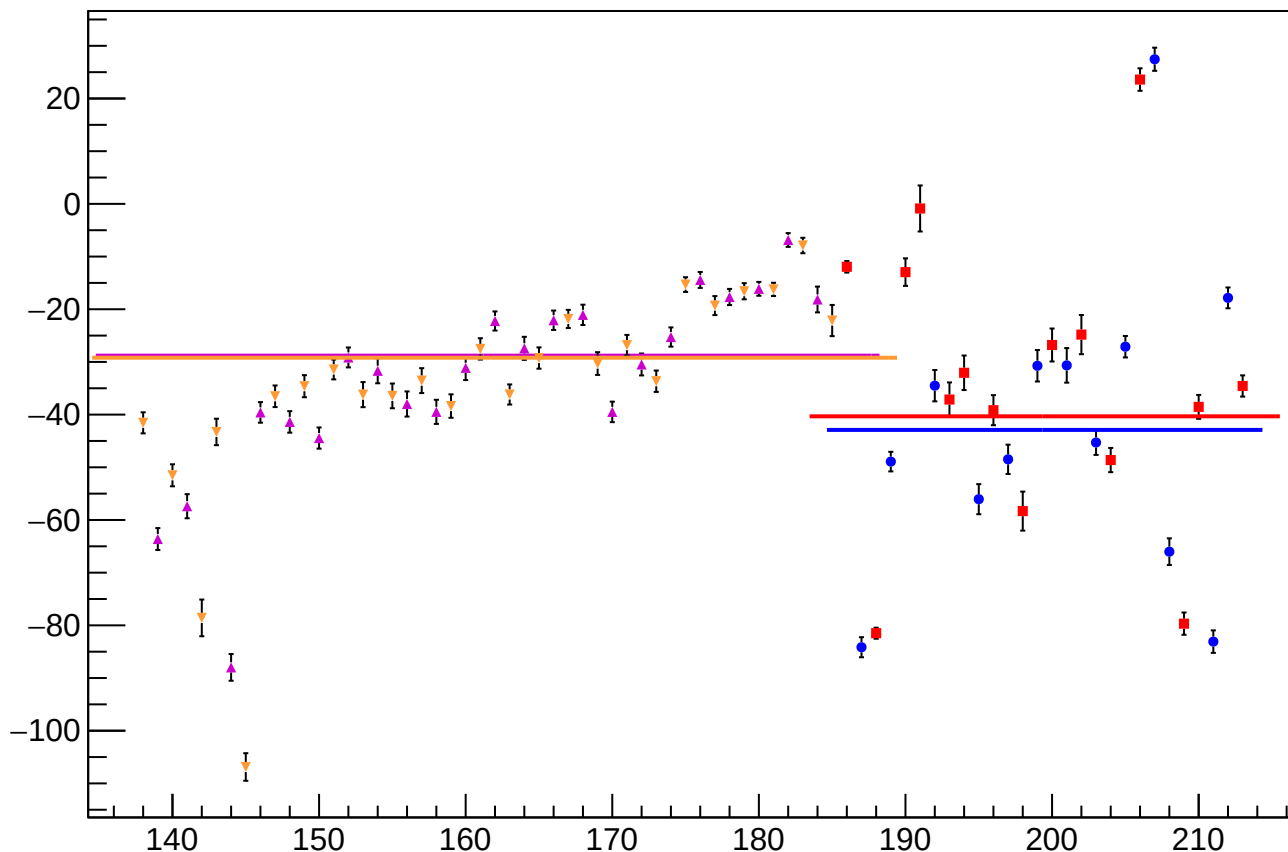
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.051 $\pm$ 0.035 χ^2 /NDF: 97324.9/54

All: 116.137 $\pm$ 0.024 χ^2 /NDF: 596333.7/111

- sign 113.355 $\pm$ 0.034 χ^2 /NDF: 485244.0/56

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -42.905 ± 0.646 $\chi^2/\text{NDF}: 2228.0/12$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -40.325 ± 0.530 $\chi^2/\text{NDF}: 3729.1/14$

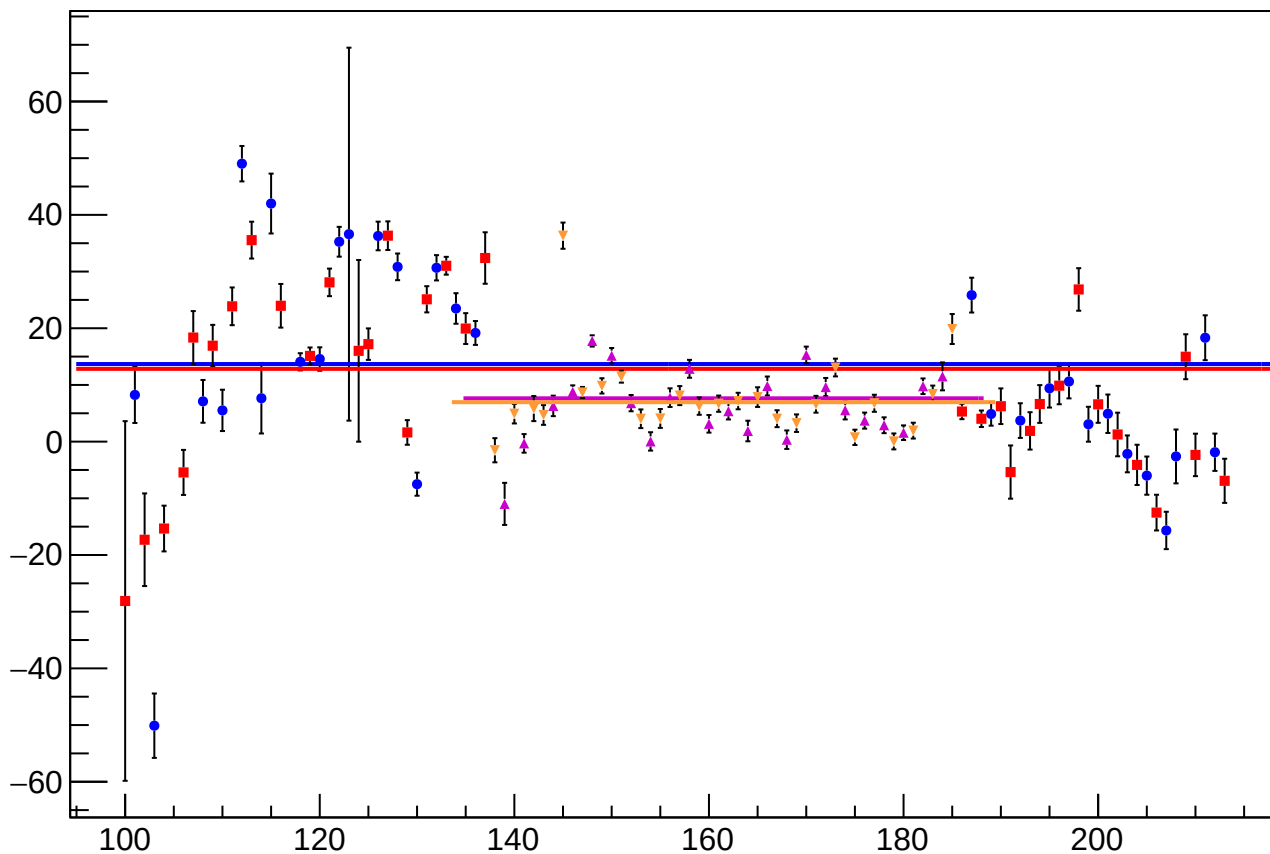
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -32.838 ± 0.333 $\chi^2/\text{NDF}: 4439.8/37$

All: -32.887 ± 0.230 $\chi^2/\text{NDF}: 10236.3/75$

- sign -32.931 ± 0.317 $\chi^2/\text{NDF}: 5796.5/37$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.686 $\pm$ 0.523 χ^2 /NDF: 918.8/29

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF: 321.3/24

Right Out: 12.837 $\pm$ 0.473 χ^2 /NDF: 760.5/33

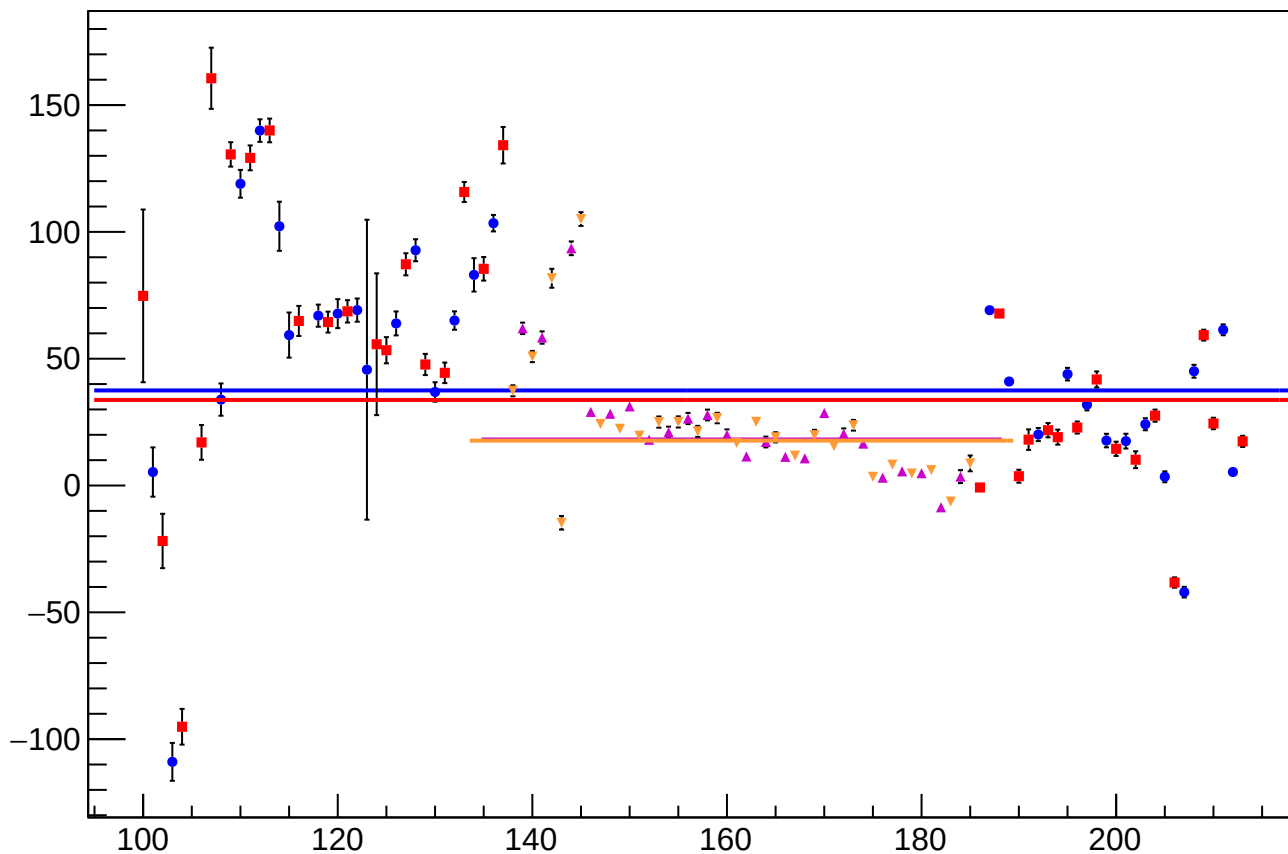
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF: 337.7/22

+ sign 8.649 $\pm$ 0.262 χ^2 /NDF: 1363.8/54

All: 8.939 $\pm$ 0.185 χ^2 /NDF: 2548.5/111

- sign 9.226 $\pm$ 0.261 χ^2 /NDF: 1182.3/56

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 37.494 ± 0.536 $\chi^2/\text{NDF}: 4733.4/29$

Left Out: 17.705 ± 0.387 $\chi^2/\text{NDF}: 2432.2/24$

Right Out: 33.738 ± 0.432 $\chi^2/\text{NDF}: 7825.3/33$

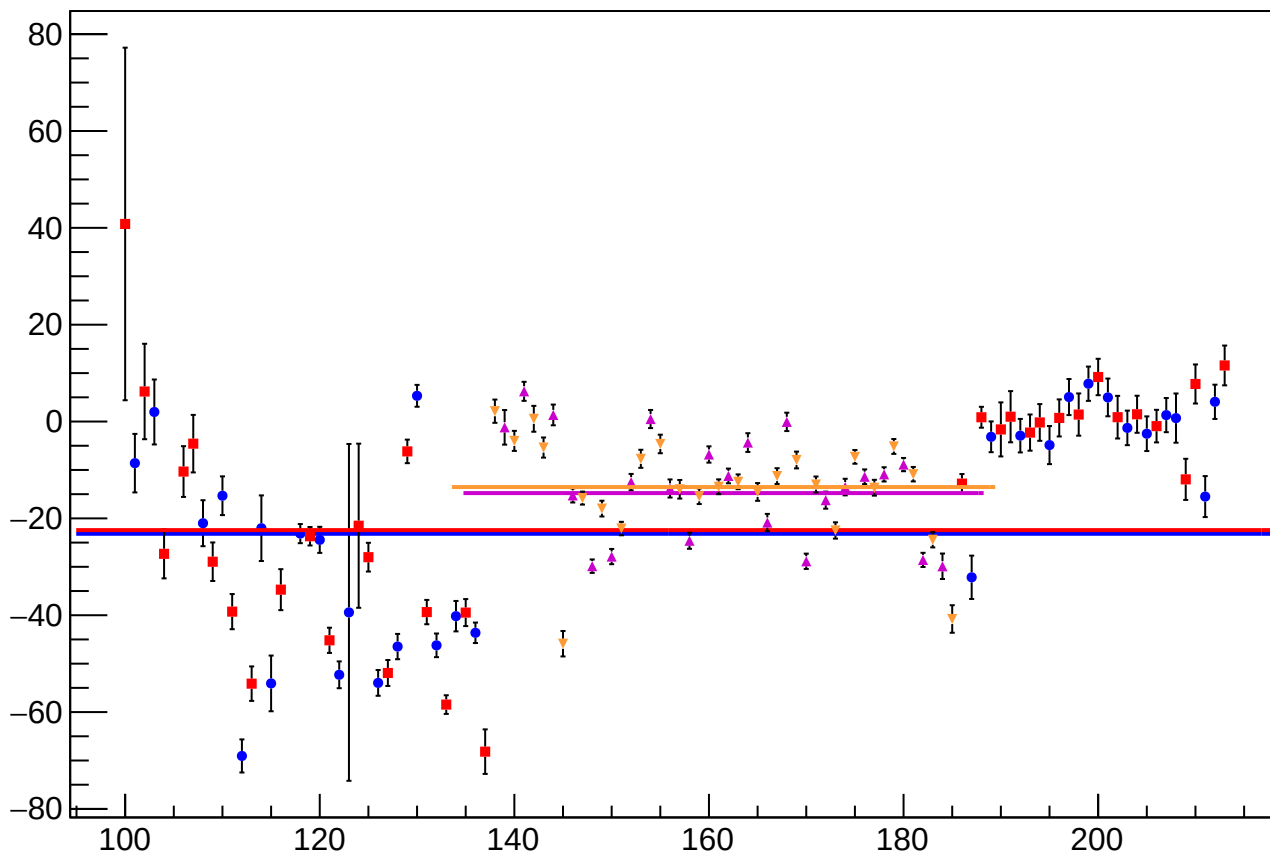
Left In: 18.150 ± 0.393 $\chi^2/\text{NDF}: 2339.4/22$

+ sign 24.497 ± 0.314 $\chi^2/\text{NDF}: 8061.9/54$

All: 24.872 ± 0.213 $\chi^2/\text{NDF}: 18941.7/111$

- sign 25.194 ± 0.291 $\chi^2/\text{NDF}: 10877.2/56$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -23.179 ± 0.606 $\chi^2/\text{NDF}: 1418.9/29$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -22.421 ± 0.568 $\chi^2/\text{NDF}: 1529.4/33$

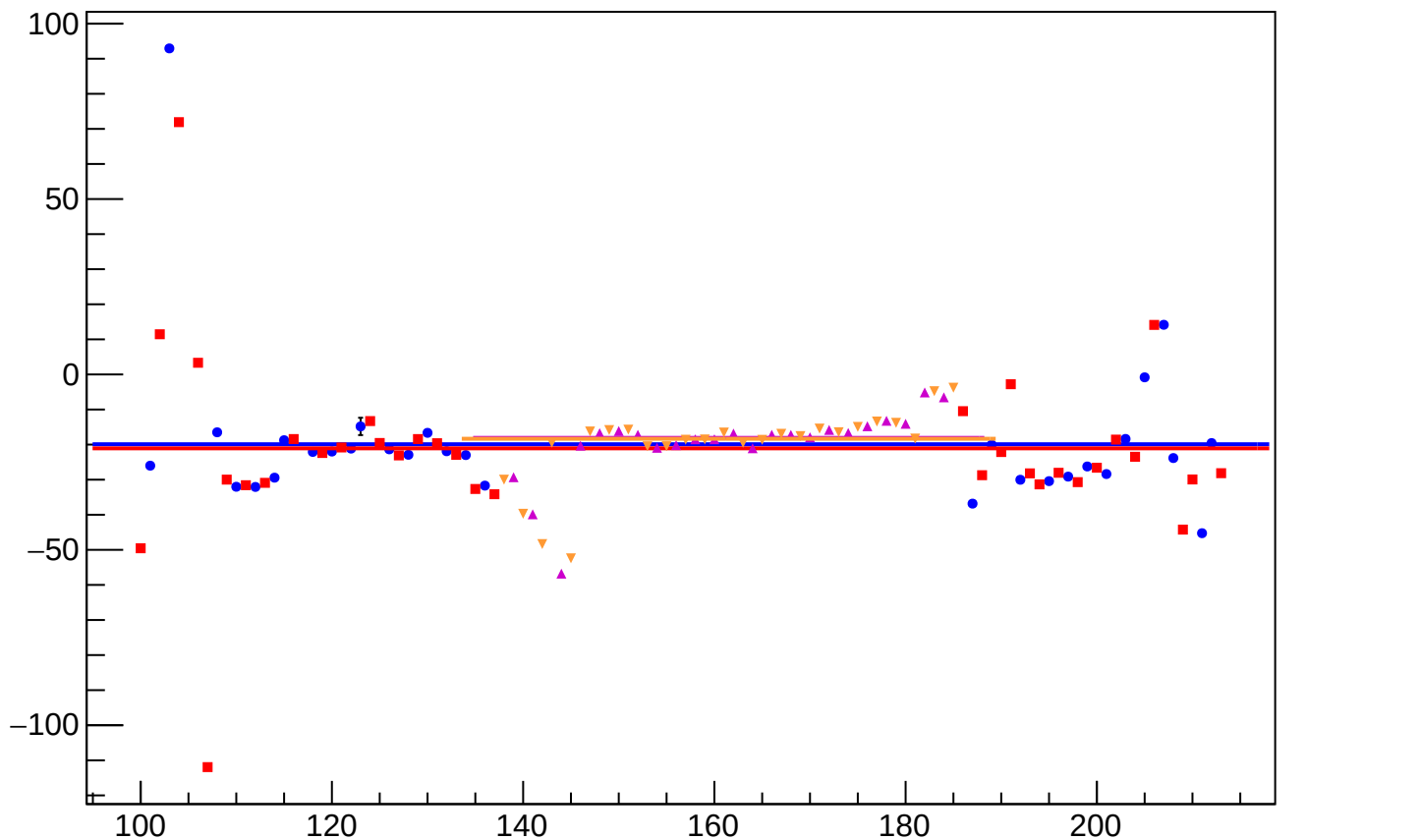
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -15.882 ± 0.299 $\chi^2/\text{NDF}: 2183.3/54$

All: -16.396 ± 0.212 $\chi^2/\text{NDF}: 4686.9/111$

- sign -16.915 ± 0.301 $\chi^2/\text{NDF}: 2497.6/56$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -19.900 ± 0.029 $\chi^2/\text{NDF}: 612070.7/29$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -21.069 ± 0.028 $\chi^2/\text{NDF}: 579317.7/33$

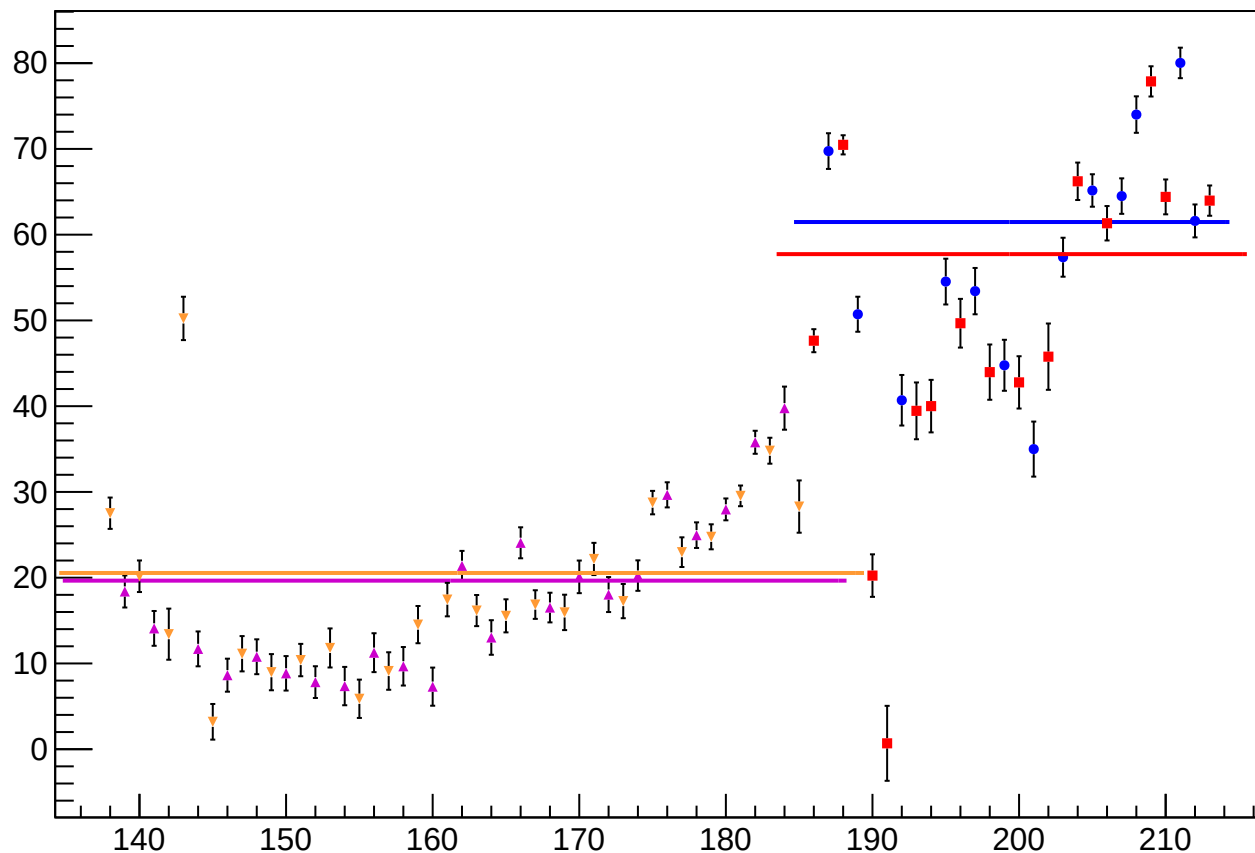
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.697 ± 0.014 $\chi^2/\text{NDF}: 898487.0/54$

All: -18.769 ± 0.010 $\chi^2/\text{NDF}: 1728560.8/111$

- sign -18.842 ± 0.014 $\chi^2/\text{NDF}: 830019.2/56$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 61.476 ± 0.622 $\chi^2/\text{NDF}: 361.2/12$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 57.731 ± 0.534 $\chi^2/\text{NDF}: 881.3/14$

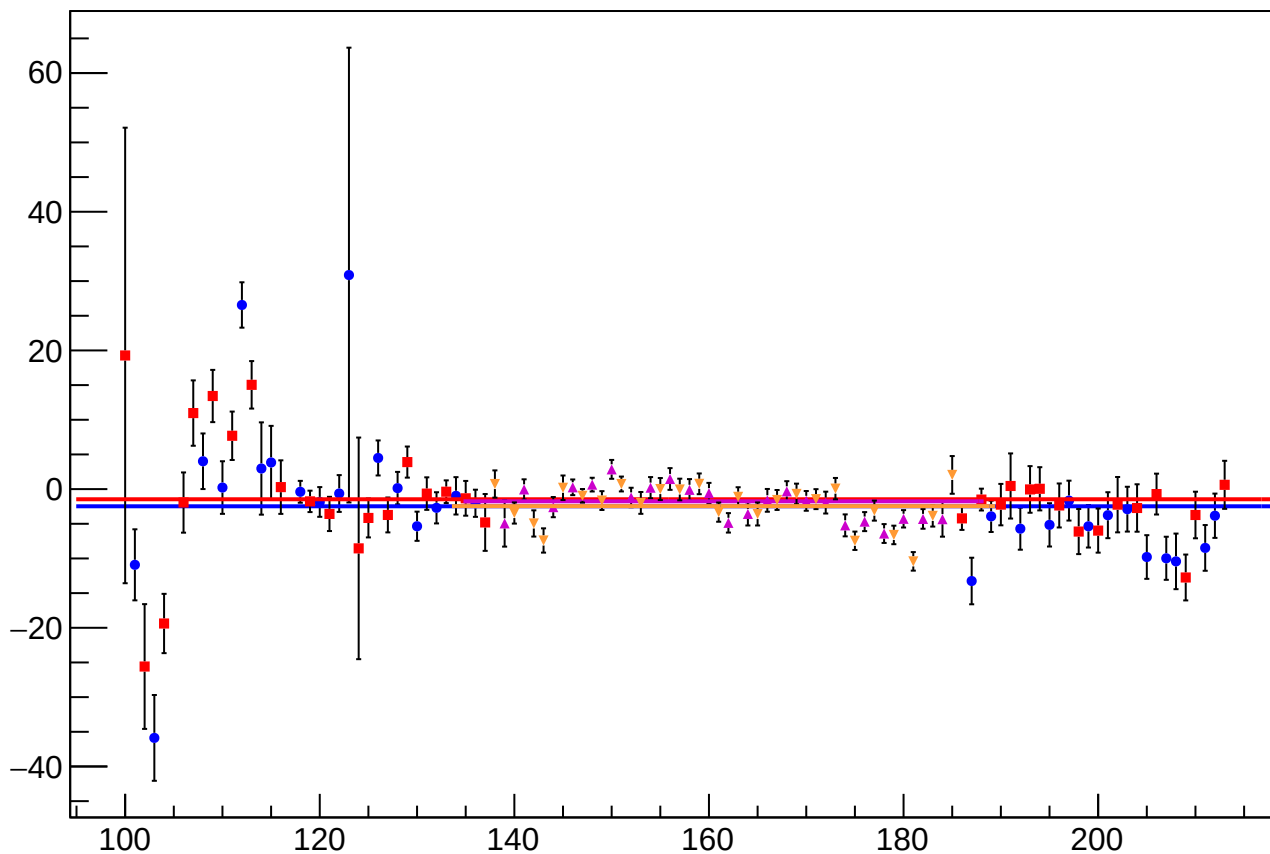
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 31.386 ± 0.320 $\chi^2/\text{NDF}: 4174.0/37$

All: 31.944 ± 0.223 $\chi^2/\text{NDF}: 9003.7/75$

- sign 32.467 ± 0.310 $\chi^2/\text{NDF}: 4823.8/37$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.477 ± 0.524 χ^2/NDF : 162.6/29

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.464 ± 0.485 χ^2/NDF : 107.9/33

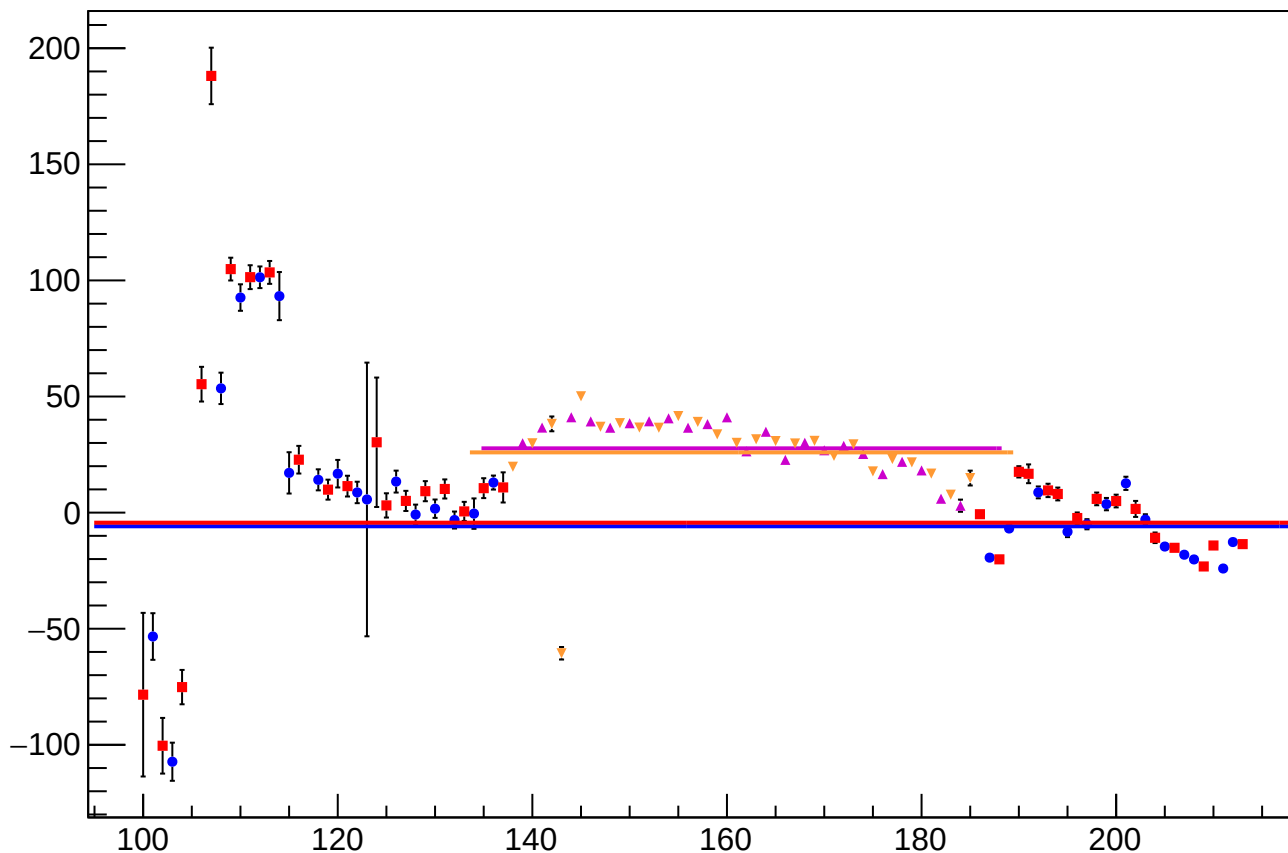
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.460 ± 0.255 χ^2/NDF : 268.6/54

All: -2.070 ± 0.181 χ^2/NDF : 448.9/111

- sign -1.676 ± 0.256 χ^2/NDF : 175.6/56

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -5.885 ± 0.526 $\chi^2/\text{NDF}: 1655.1/29$

Left Out: 25.938 ± 0.372 $\chi^2/\text{NDF}: 1711.6/24$

Right Out: -4.334 ± 0.446 $\chi^2/\text{NDF}: 2661.5/33$

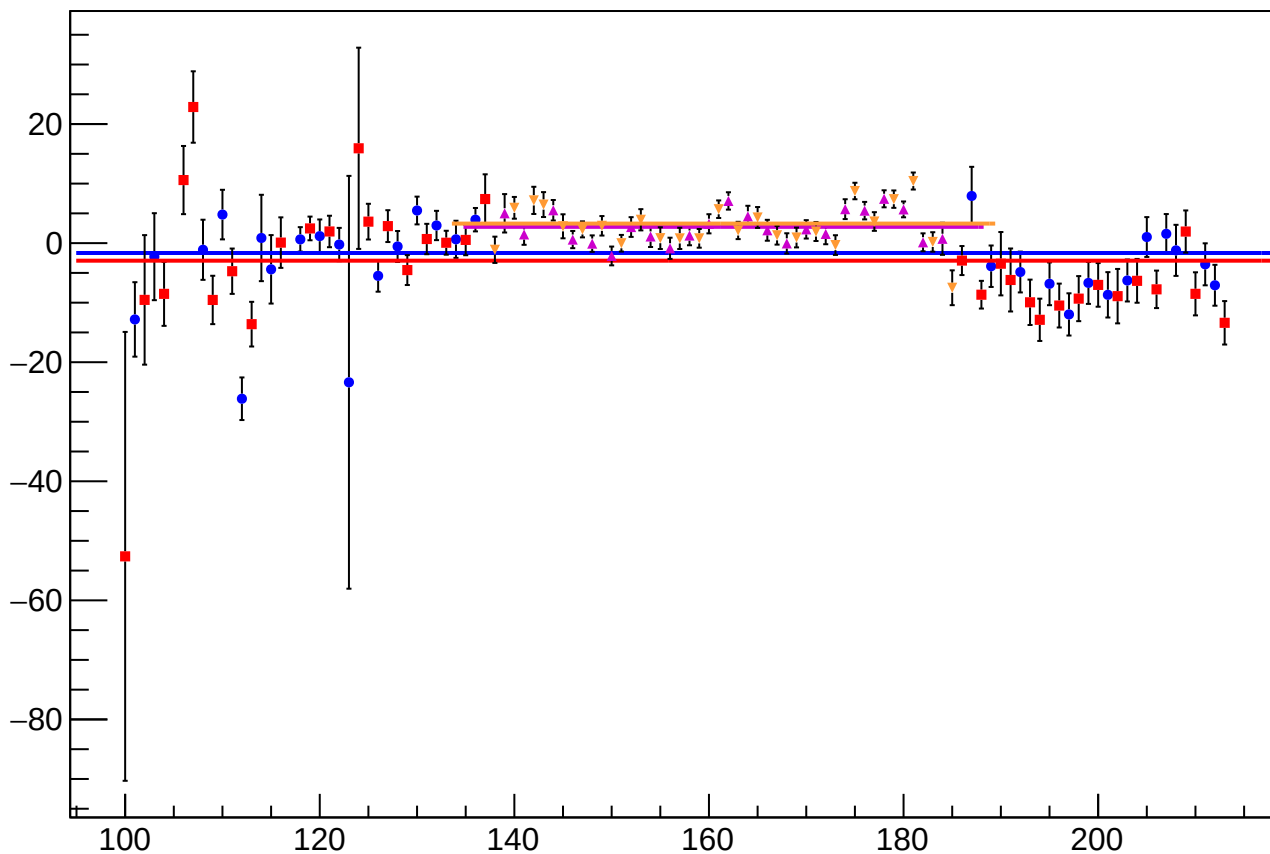
Left In: 27.677 ± 0.378 $\chi^2/\text{NDF}: 803.9/22$

+ sign 15.305 ± 0.304 $\chi^2/\text{NDF}: 5807.4/54$

All: 14.762 ± 0.209 $\chi^2/\text{NDF}: 12278.3/111$

- sign 14.273 ± 0.288 $\chi^2/\text{NDF}: 6464.8/56$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.655 ± 0.602 χ^2/NDF : 106.7/29

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.947 ± 0.575 χ^2/NDF : 116.3/33

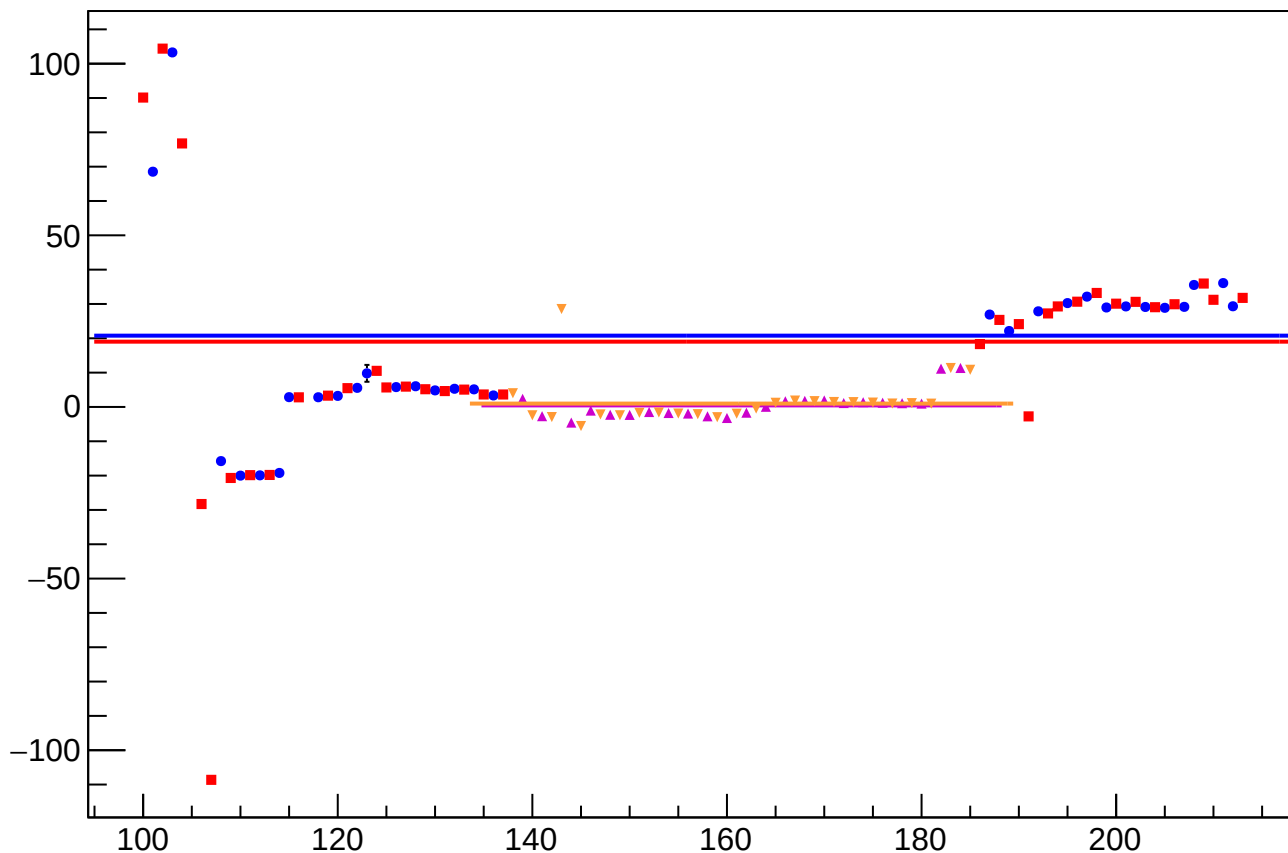
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.135 ± 0.290 χ^2/NDF : 260.6/54

All: 1.701 ± 0.206 χ^2/NDF : 518.0/111

- sign 1.259 ± 0.293 χ^2/NDF : 253.0/56

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 20.771 $\pm$ 0.028 χ^2 /NDF: 508466.7/29

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 19.020 $\pm$ 0.027 χ^2 /NDF: 745267.0/33

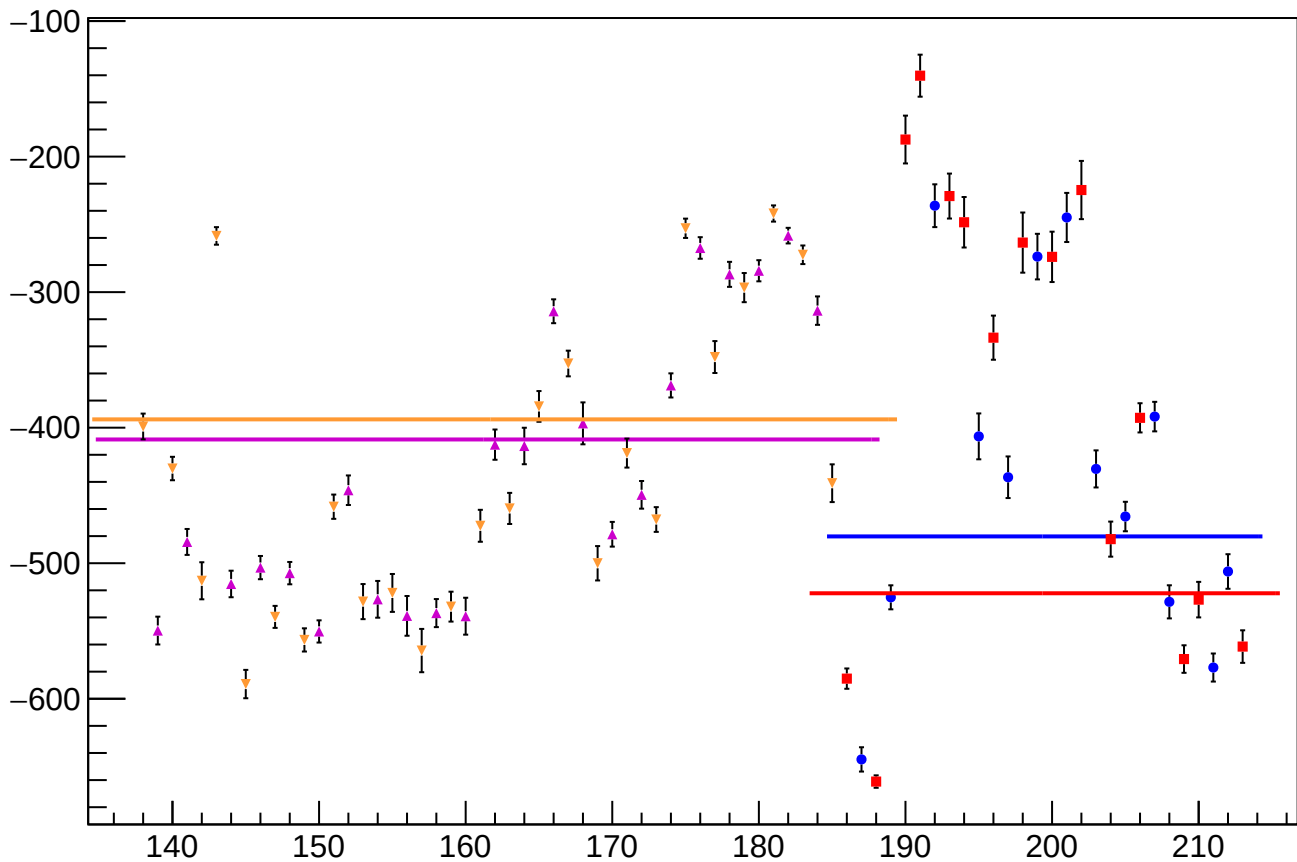
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 5.425 $\pm$ 0.013 χ^2 /NDF: 1007152.0/54

All: 5.201 $\pm$ 0.009 χ^2 /NDF: 2156551.8/111

- sign 4.976 $\pm$ 0.013 χ^2 /NDF: 1148839.6/56

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -480.224 ± 3.373 $\chi^2/\text{NDF}: 1135.8/12$

Left Out: -393.871 ± 1.897 $\chi^2/\text{NDF}: 3772.8/24$

Right Out: -522.168 ± 2.806 $\chi^2/\text{NDF}: 3308.2/14$

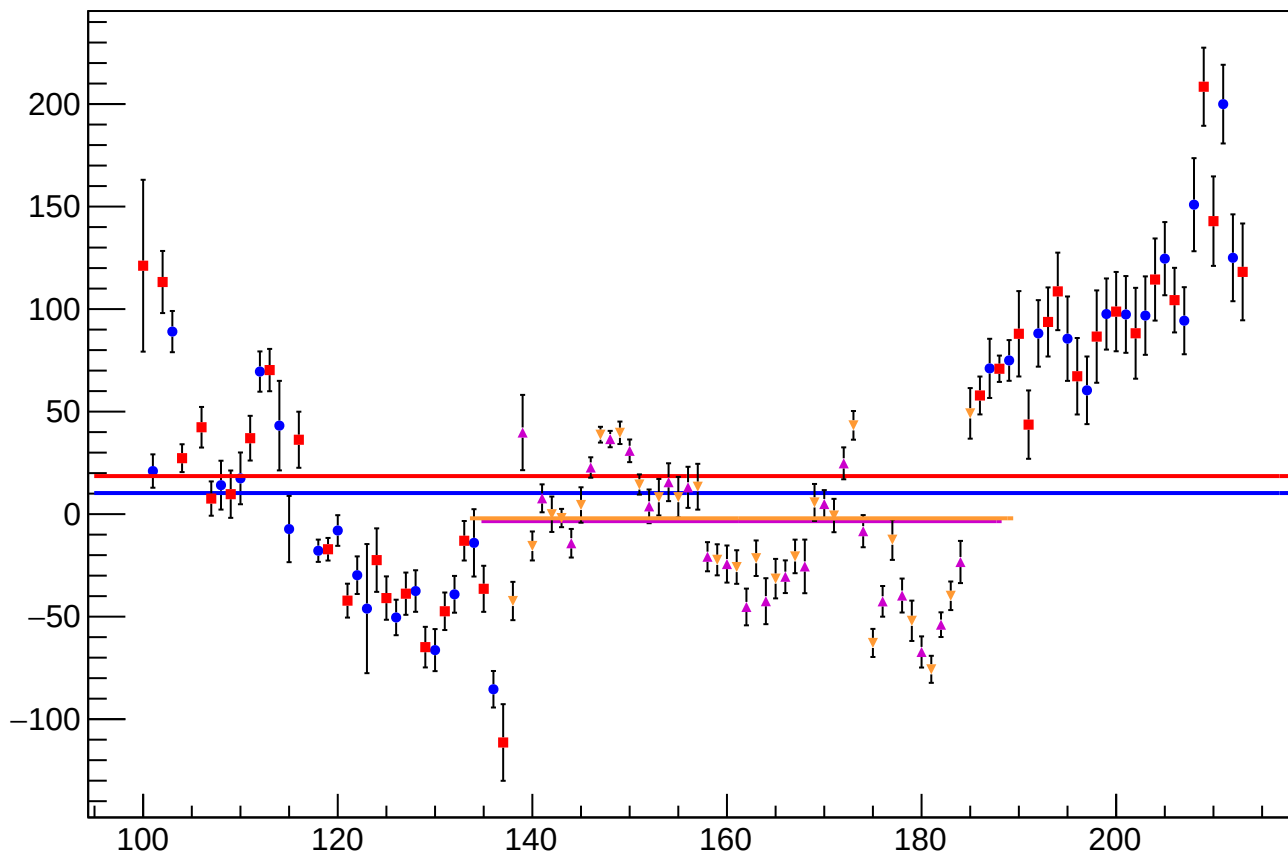
Left In: -408.696 ± 1.979 $\chi^2/\text{NDF}: 3062.9/22$

+ sign -414.625 ± 1.653 $\chi^2/\text{NDF}: 5406.6/37$

All: -430.854 ± 1.156 $\chi^2/\text{NDF}: 13058.1/75$

- sign -446.382 ± 1.617 $\chi^2/\text{NDF}: 7463.0/37$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.281 ± 2.094 $\chi^2/\text{NDF}: 839.7/29$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 18.556 ± 1.937 $\chi^2/\text{NDF}: 841.7/33$

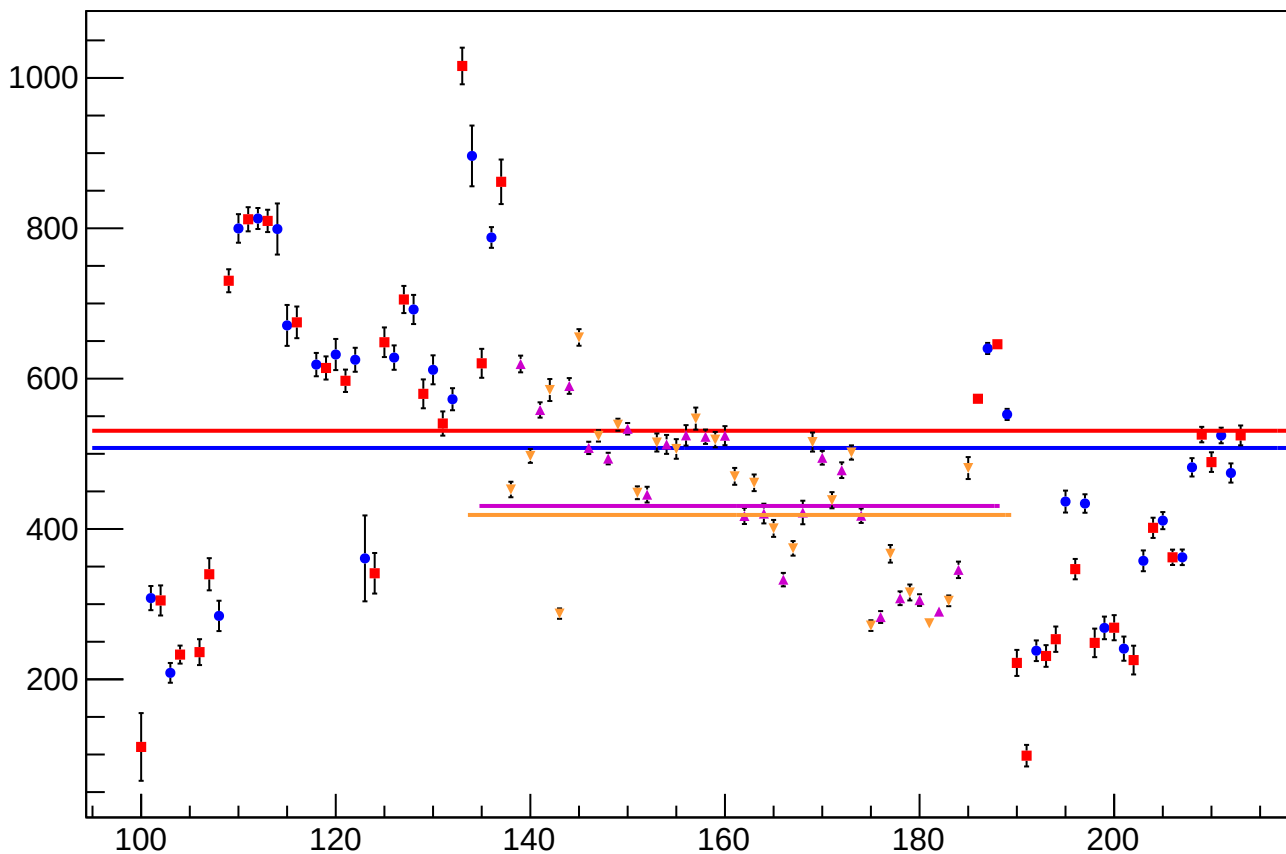
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign 1.859 ± 1.178 $\chi^2/\text{NDF}: 1427.2/54$

All: 3.383 ± 0.839 $\chi^2/\text{NDF}: 2802.8/111$

- sign 4.954 ± 1.196 $\chi^2/\text{NDF}: 1372.3/56$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 507.783 ± 2.511 $\chi^2/\text{NDF}: 4197.5/29$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 530.669 ± 2.100 $\chi^2/\text{NDF}: 7088.0/33$

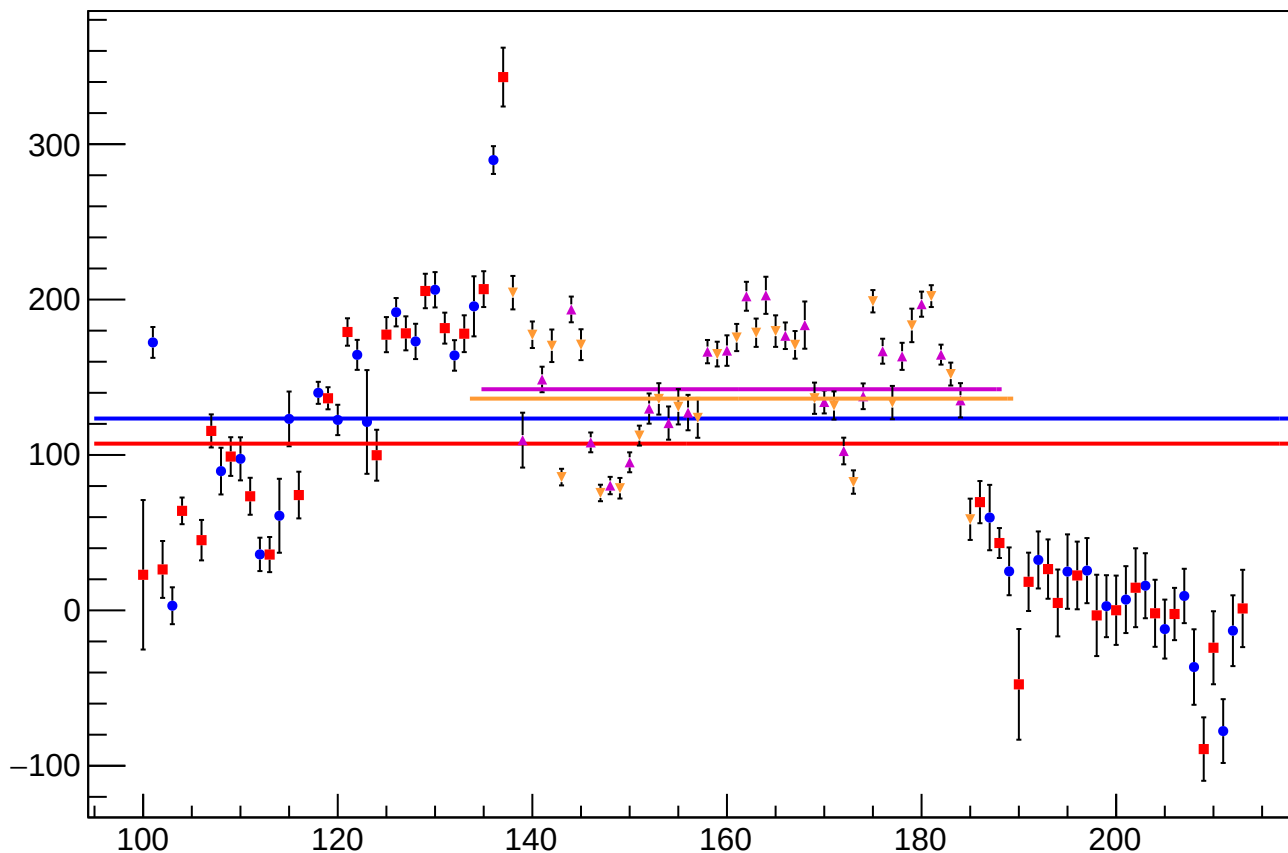
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 451.229 ± 1.518 $\chi^2/\text{NDF}: 8293.3/54$

All: 465.071 ± 1.043 $\chi^2/\text{NDF}: 19596.2/111$

- sign 477.482 ± 1.437 $\chi^2/\text{NDF}: 11145.1/56$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 123.443 $\pm$ 2.439 χ^2/NDF : 1212.6/29

Left Out: 136.258 $\pm$ 1.651 χ^2/NDF : 758.3/24

Right Out: 107.289 $\pm$ 2.300 χ^2/NDF : 1101.4/33

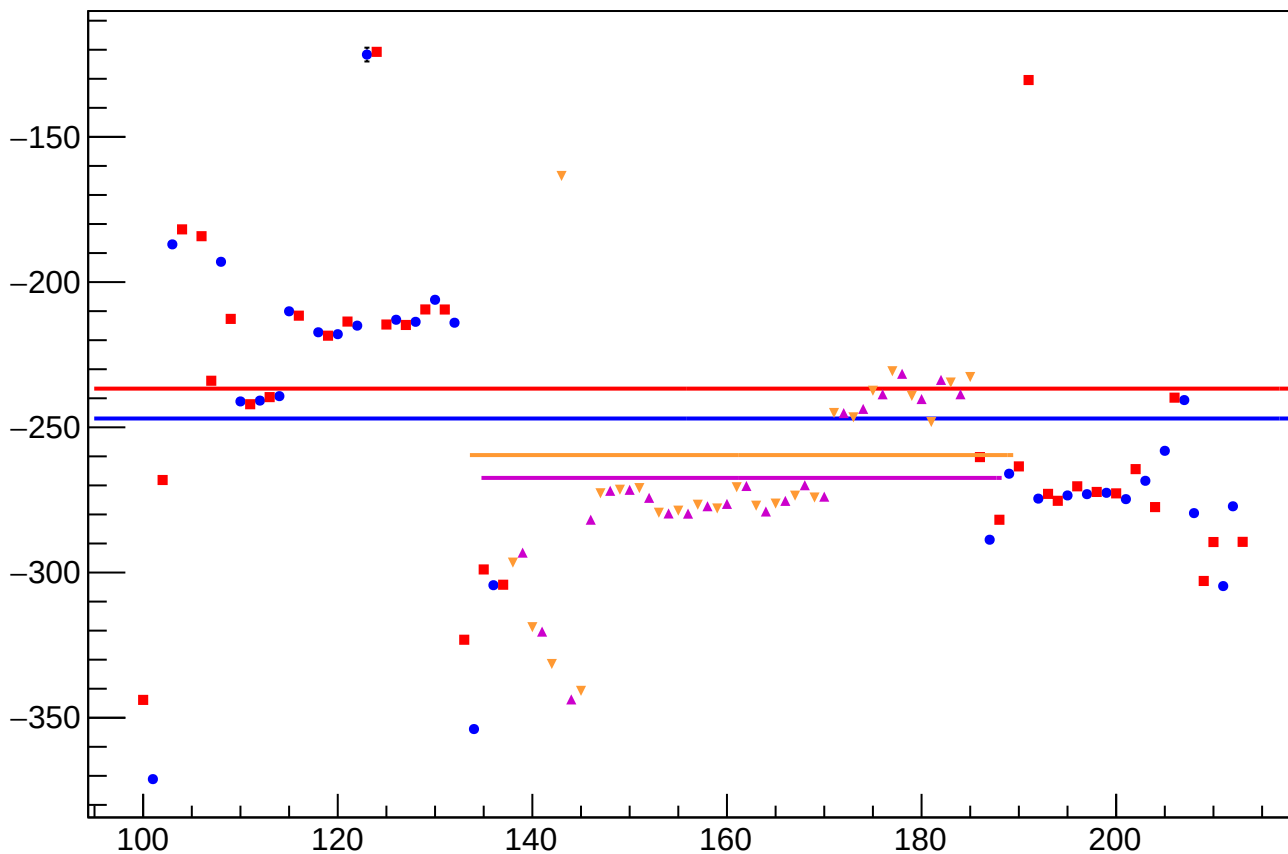
Left In: 142.296 $\pm$ 1.745 χ^2/NDF : 459.8/22

+ sign 132.231 $\pm$ 1.367 χ^2/NDF : 1989.8/54

All: 130.892 $\pm$ 0.975 χ^2/NDF : 3700.0/111

- sign 129.508 $\pm$ 1.390 χ^2/NDF : 1708.2/56

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -246.96 ± 0.121 $\chi^2/\text{NDF}: 169378.9/29$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -236.675 ± 0.112 $\chi^2/\text{NDF}: 183443.6/33$

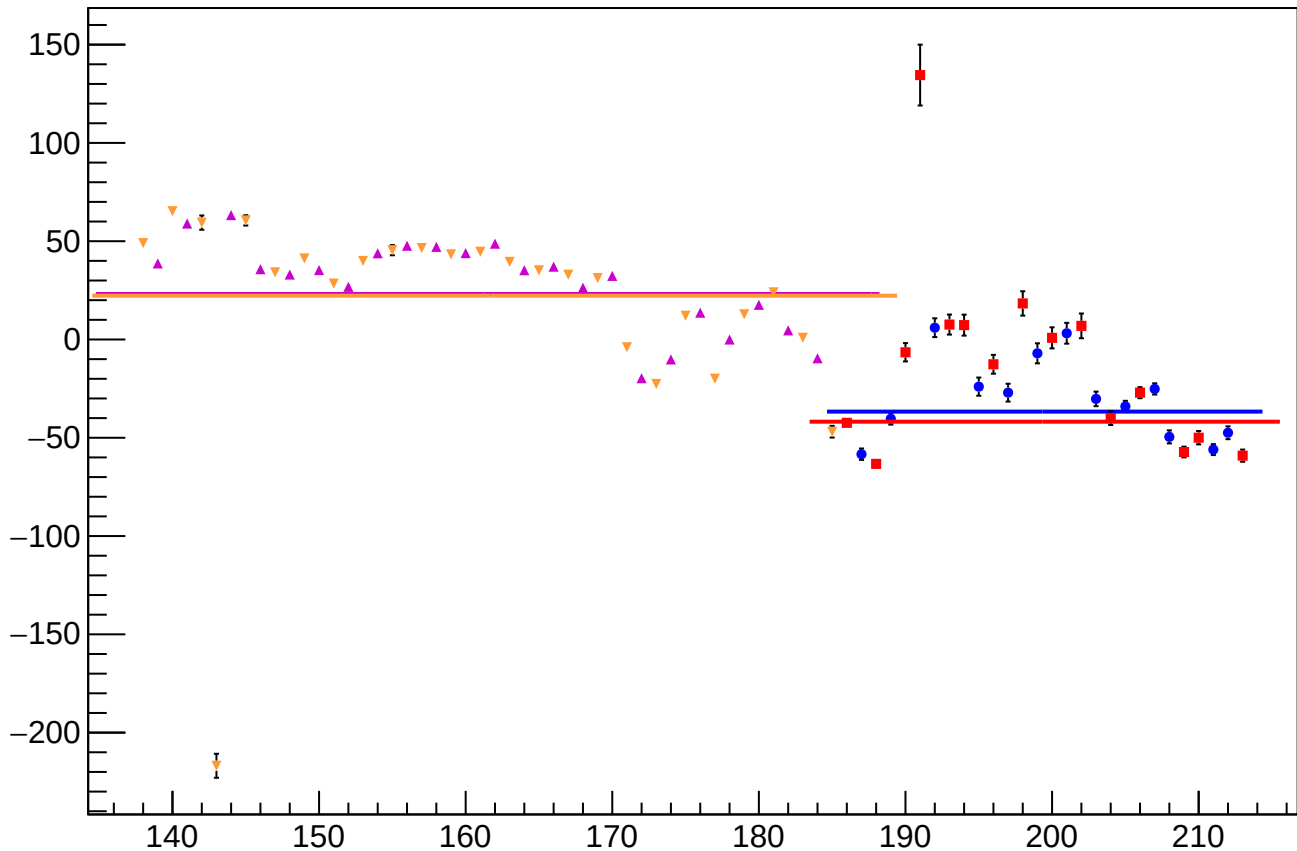
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.787 ± 0.066 $\chi^2/\text{NDF}: 415203.7/54$

All: -256.290 ± 0.047 $\chi^2/\text{NDF}: 745775.8/111$

- sign -256.790 ± 0.066 $\chi^2/\text{NDF}: 330457.1/56$

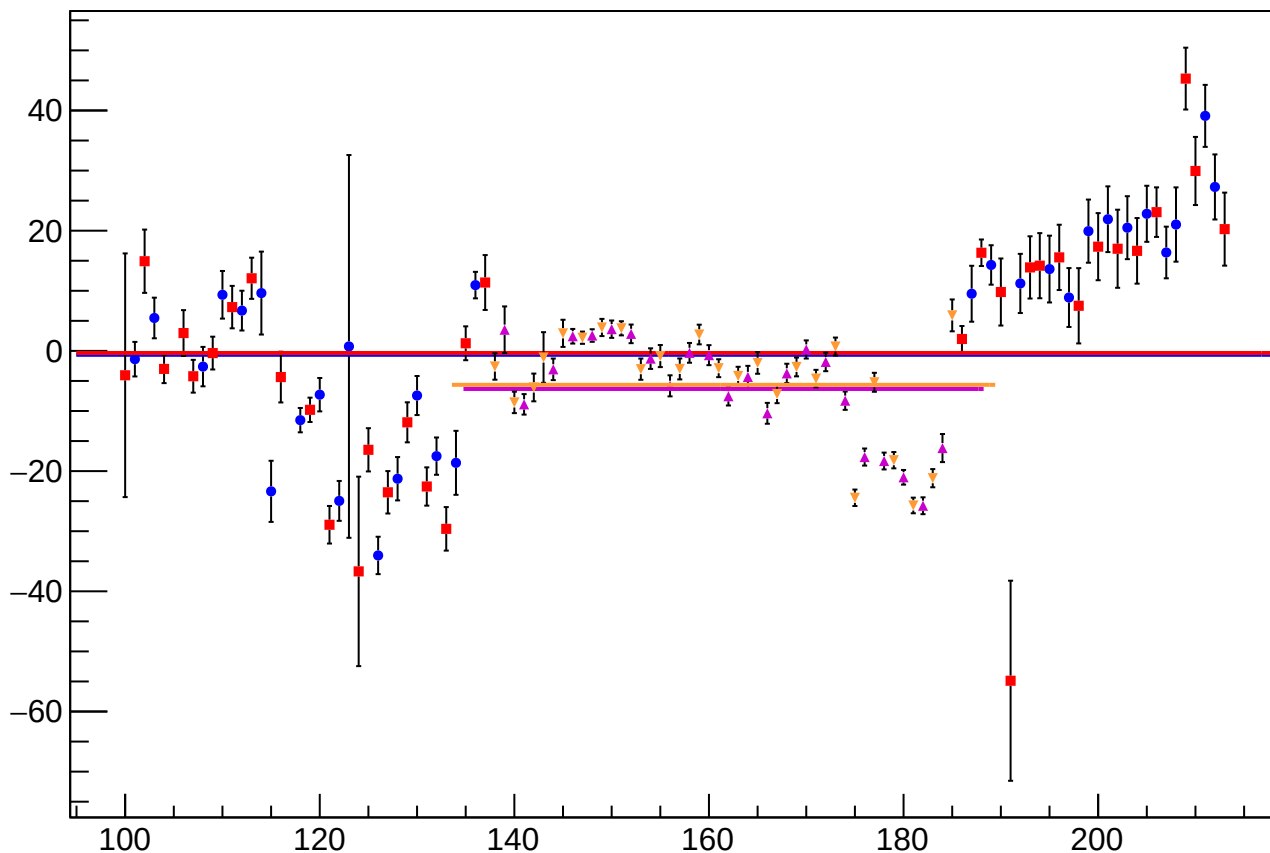
reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -36.686 ± 0.963 χ^2/NDF : 334.0/12
 Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24
 Right Out: -41.815 ± 0.810 χ^2/NDF : 906.7/14
 Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 13.646 ± 0.368 χ^2/NDF : 8706.5/37
 All: 11.949 ± 0.257 χ^2/NDF : 17559.6/75
 - sign 10.332 ± 0.360 χ^2/NDF : 8811.7/37

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.649 ± 0.680 χ^2/NDF : 575.9/29

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -0.346 ± 0.626 χ^2/NDF : 613.1/33

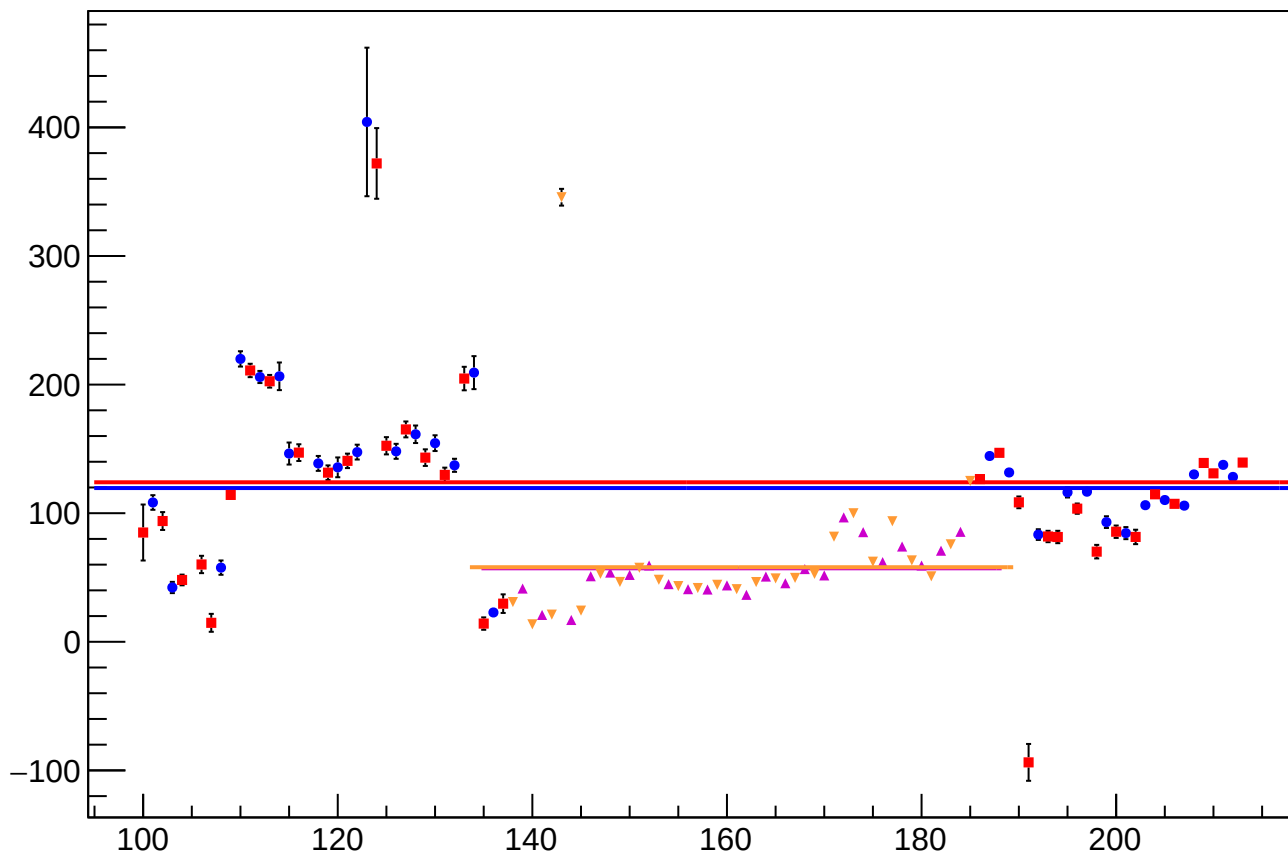
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -4.759 ± 0.286 χ^2/NDF : 1513.9/54

All: -4.924 ± 0.202 χ^2/NDF : 2983.2/111

- sign -5.088 ± 0.286 χ^2/NDF : 1468.6/56

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 119.553 $\pm$ 0.755 χ^2 /NDF: 2568.7/29

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 124.037 $\pm$ 0.630 χ^2 /NDF: 3272.3/33

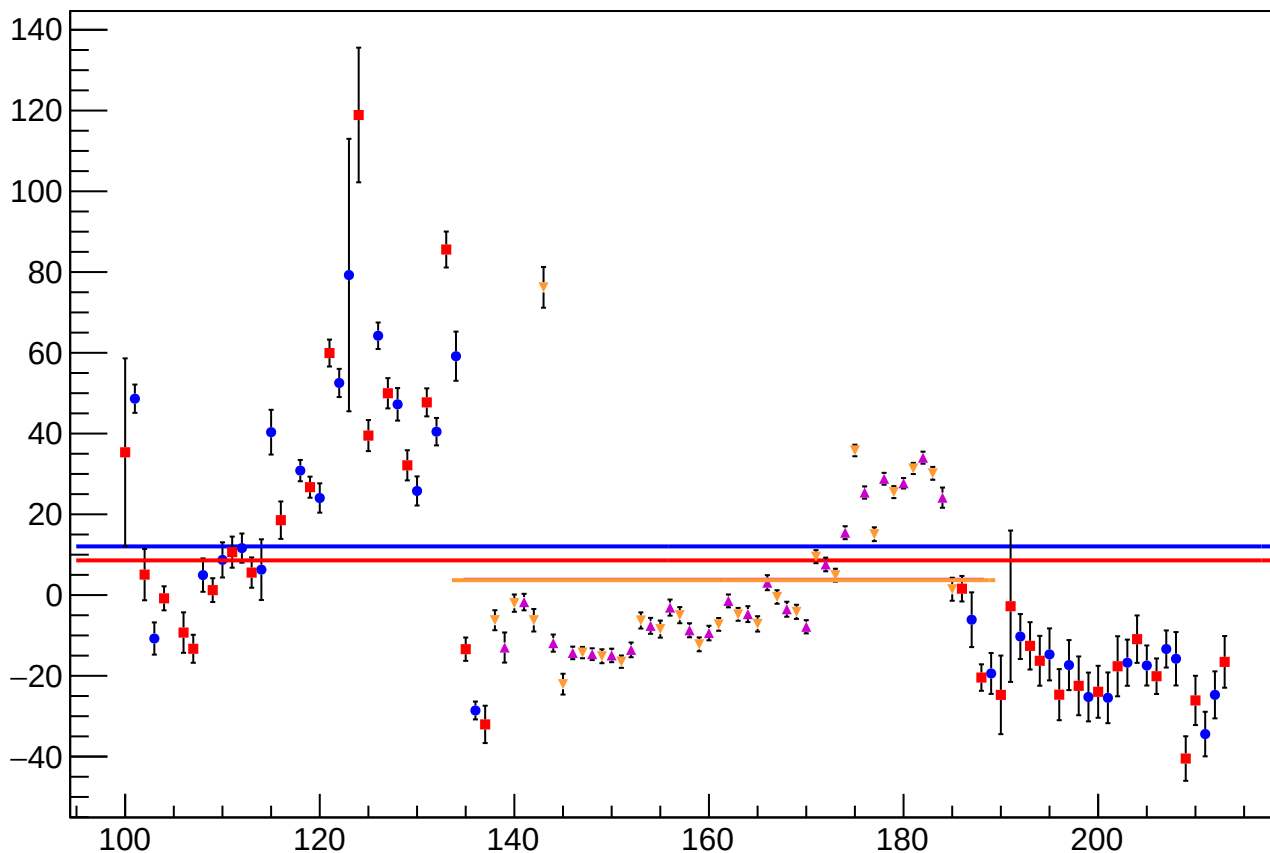
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 71.373 $\pm$ 0.352 χ^2 /NDF: 12407.2/54

All: 73.953 $\pm$ 0.244 χ^2 /NDF: 25624.9/111

- sign 76.323 $\pm$ 0.337 χ^2 /NDF: 13114.7/56

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 12.051+/-0.782 χ^2/NDF : 1578.0/29

Left Out: 3.684+/-0.357 χ^2/NDF : 2541.7/24

Right Out: 8.589+/-0.740 χ^2/NDF : 1581.9/33

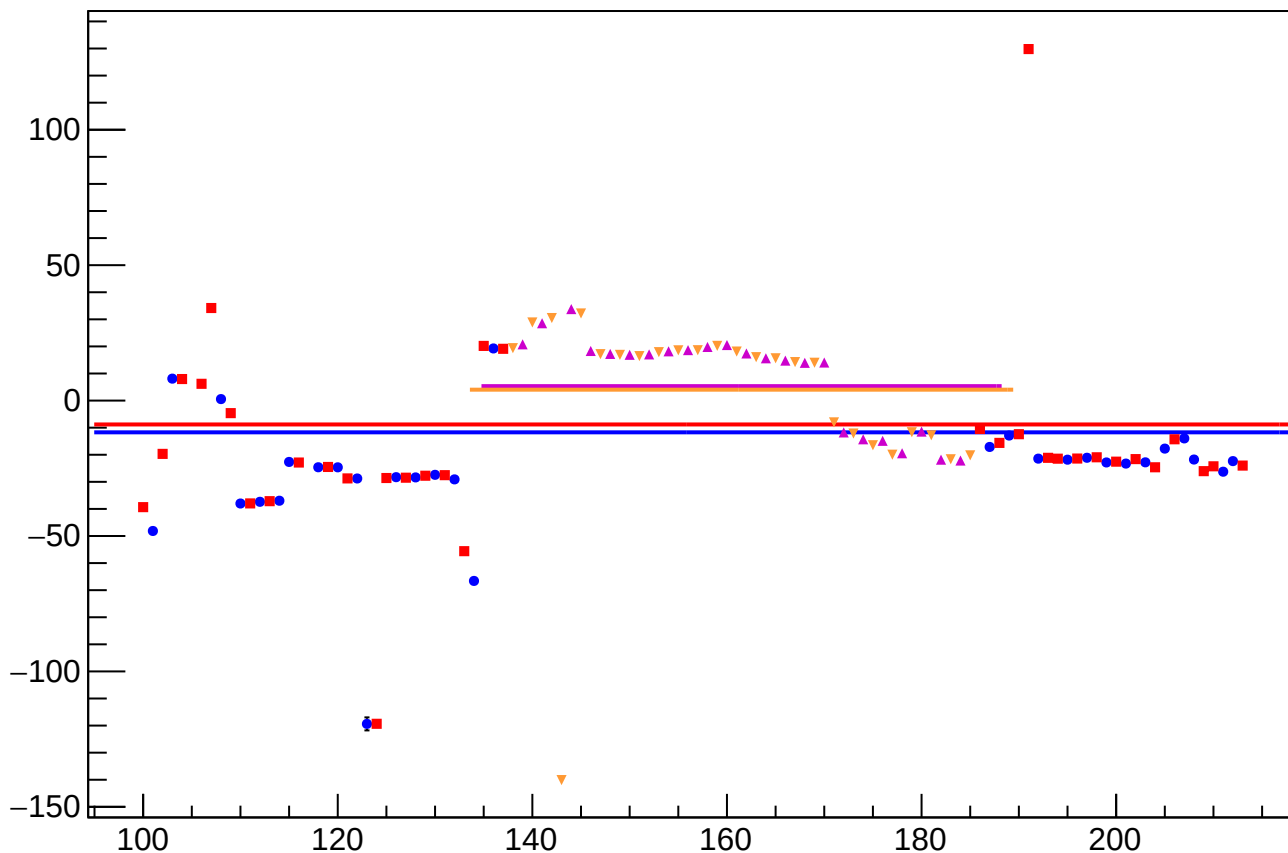
Left In: 3.786+/-0.362 χ^2/NDF : 2198.8/22

+ sign 5.124+/-0.325 χ^2/NDF : 4214.3/54

All: 4.918+/-0.230 χ^2/NDF : 8029.8/111

- sign 4.712+/-0.325 χ^2/NDF : 3814.7/56

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -11.722 ± 0.036 χ^2/NDF : 303691.4/29

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -8.814 ± 0.035 χ^2/NDF : 397435.5/33

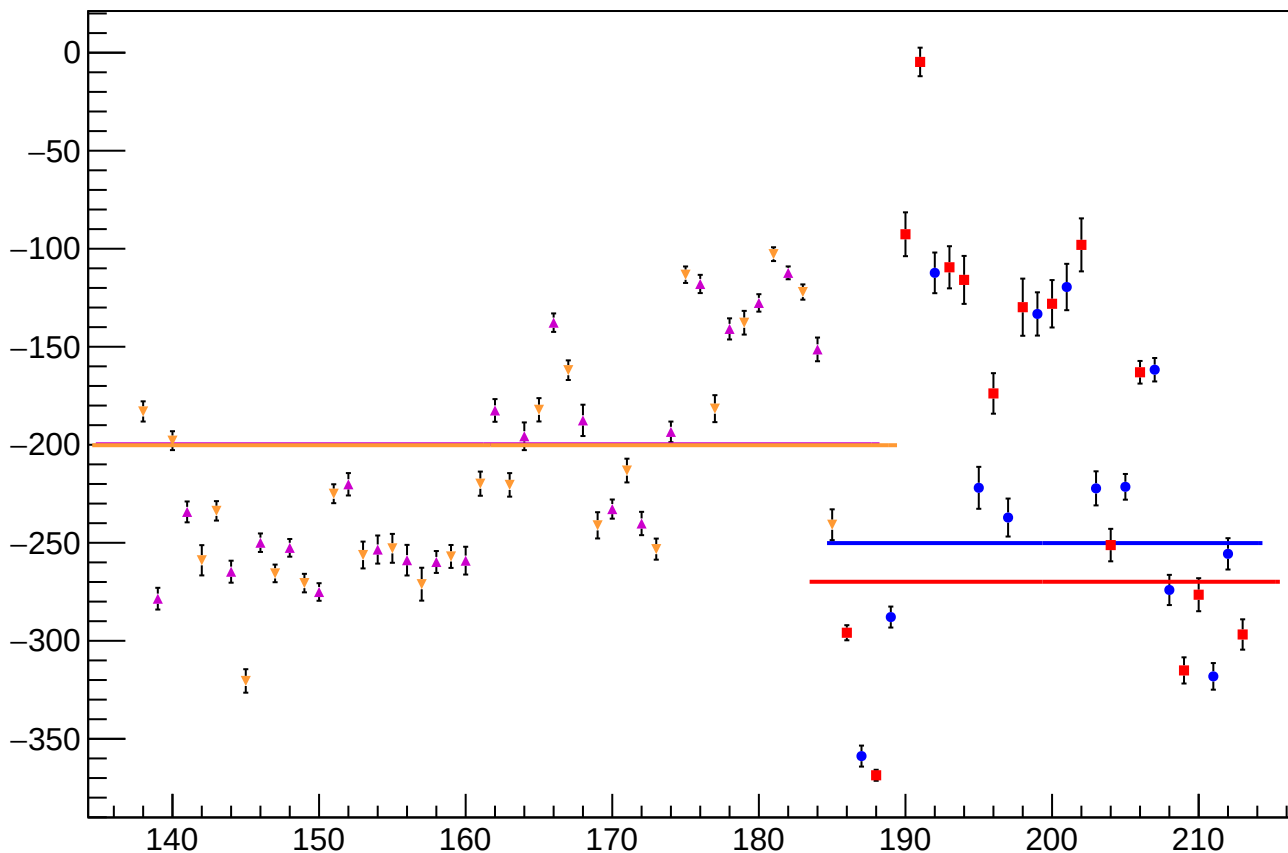
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.380 ± 0.015 χ^2/NDF : 1842440.8/54

All: 2.108 ± 0.011 χ^2/NDF : 3453700.0/111

- sign 2.833 ± 0.015 χ^2/NDF : 1606513.0/56

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -250.152 $\pm$ 2.074 χ^2/NDF : 1239.4/12

Left Out: -200.228 $\pm$ 1.078 χ^2/NDF : 3225.0/24

Right Out: -269.881 $\pm$ 1.666 χ^2/NDF : 4121.4/14

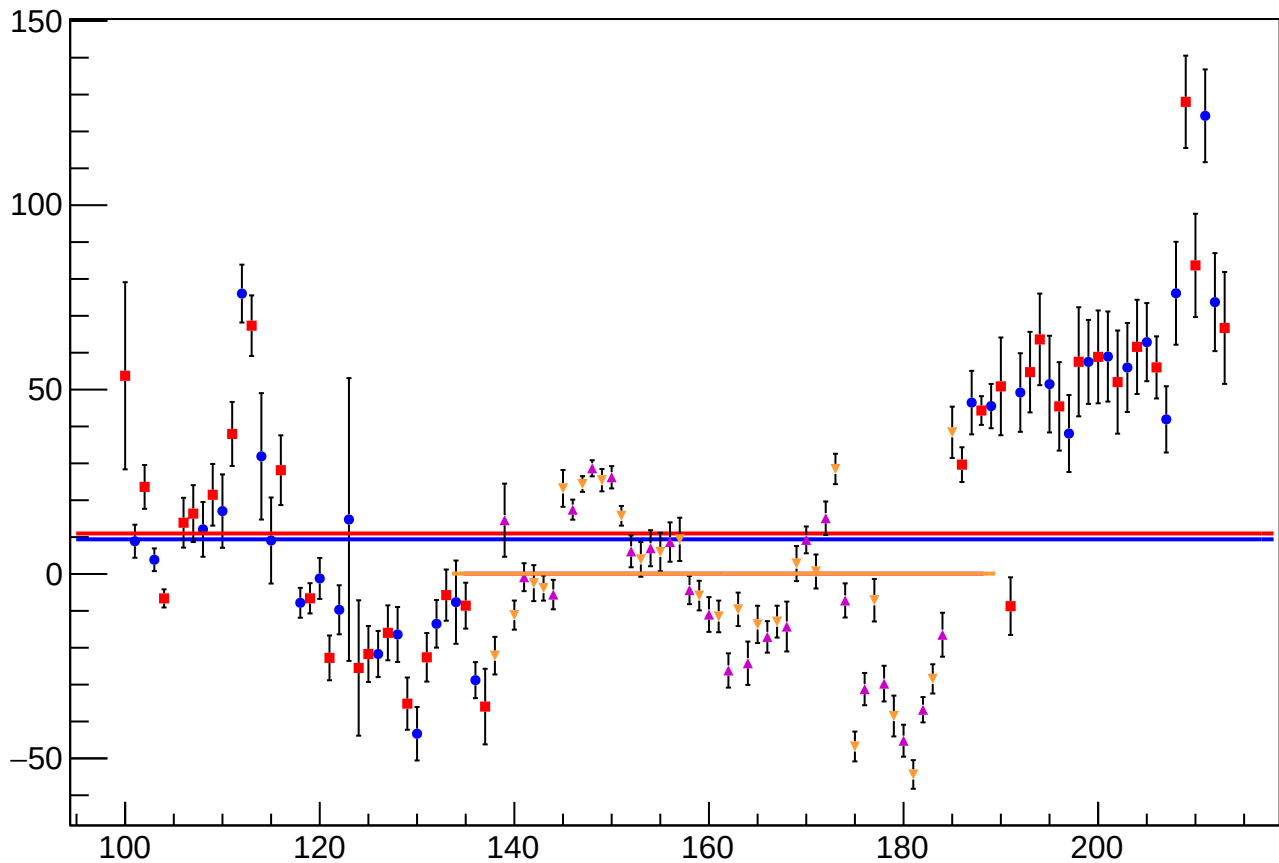
Left In: -199.739 $\pm$ 1.097 χ^2/NDF : 2968.0/22

+ sign -210.845 $\pm$ 0.956 χ^2/NDF : 4920.7/37

All: -216.116 $\pm$ 0.662 χ^2/NDF : 13304.2/75

- sign -220.957 $\pm$ 0.917 χ^2/NDF : 8325.2/37

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.401 ± 1.304 χ^2/NDF : 577.3/29

Left Out: 0.109 ± 0.807 χ^2/NDF : 831.2/24

Right Out: 10.985 ± 1.180 χ^2/NDF : 662.4/33

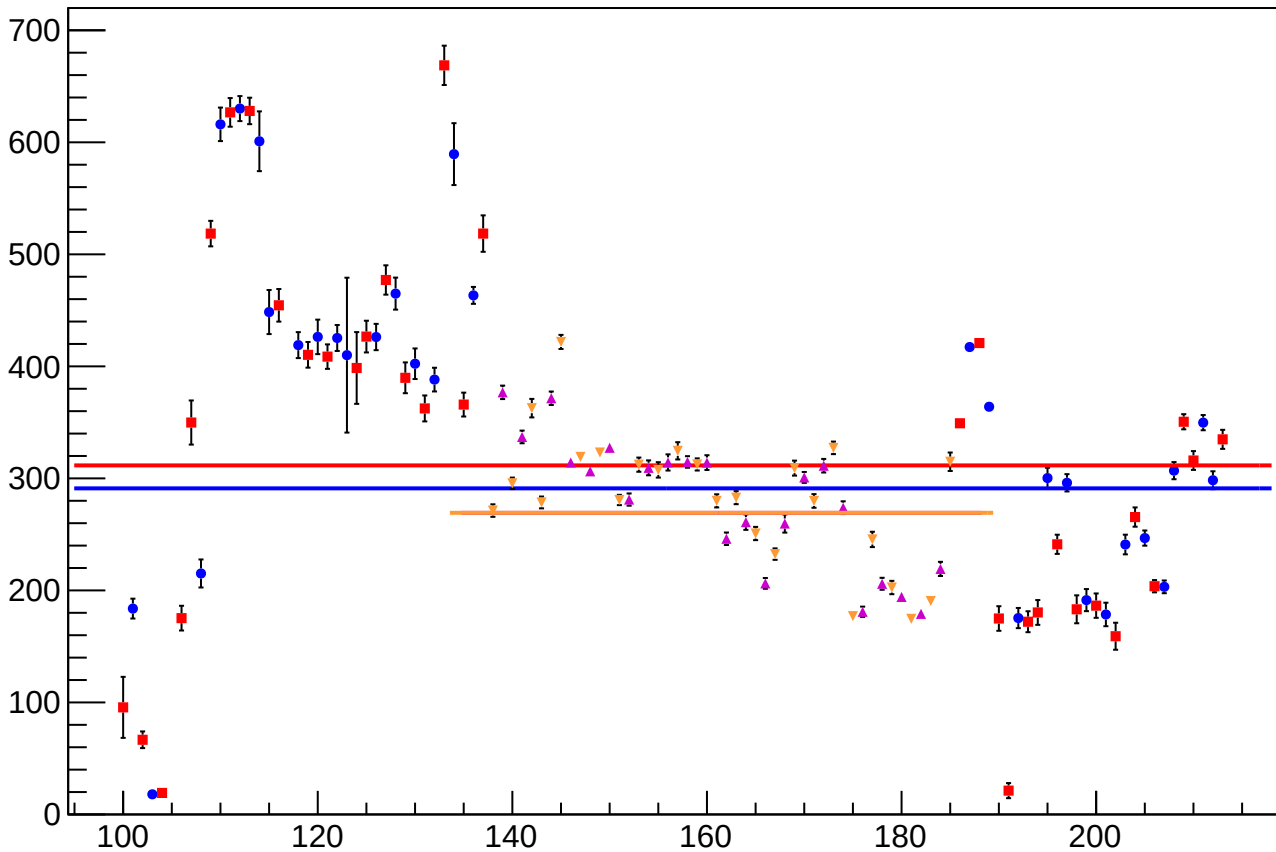
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign 2.682 ± 0.686 χ^2/NDF : 1445.3/54

All: 3.218 ± 0.484 χ^2/NDF : 2881.0/111

- sign 3.748 ± 0.683 χ^2/NDF : 1434.5/56

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 291.095 $\pm$ 1.502 χ^2 /NDF: 9592.4/29

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 311.593 $\pm$ 1.241 χ^2 /NDF: 14403.6/33

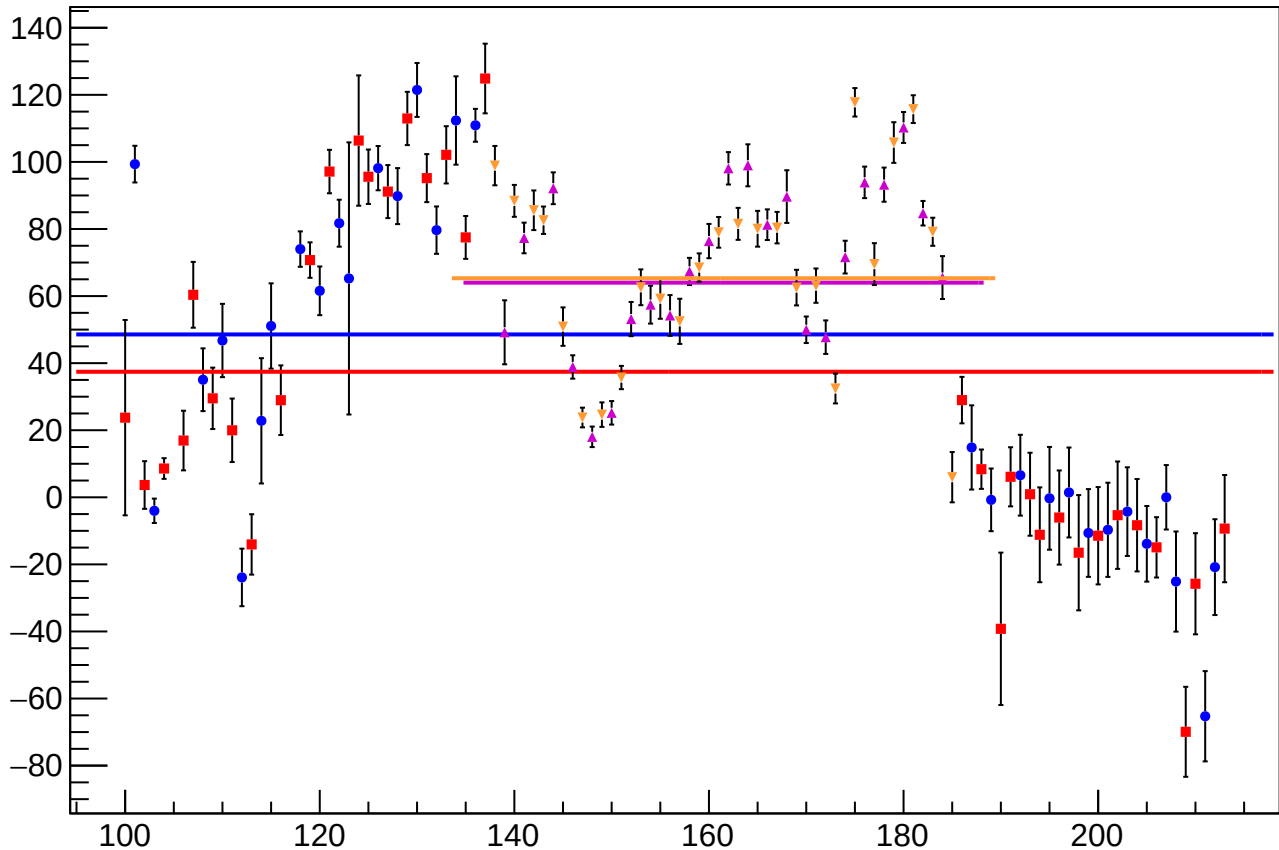
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 276.695 $\pm$ 0.875 χ^2 /NDF: 12878.5/54

All: 282.544 $\pm$ 0.598 χ^2 /NDF: 31194.7/111

- sign 287.666 $\pm$ 0.819 χ^2 /NDF: 18232.5/56

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 48.562 $\pm$ 1.521 χ^2 /NDF: 1086.2/29

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF:1007.1/24

Right Out: 37.435 $\pm$ 1.422 χ^2 /NDF: 959.7/33

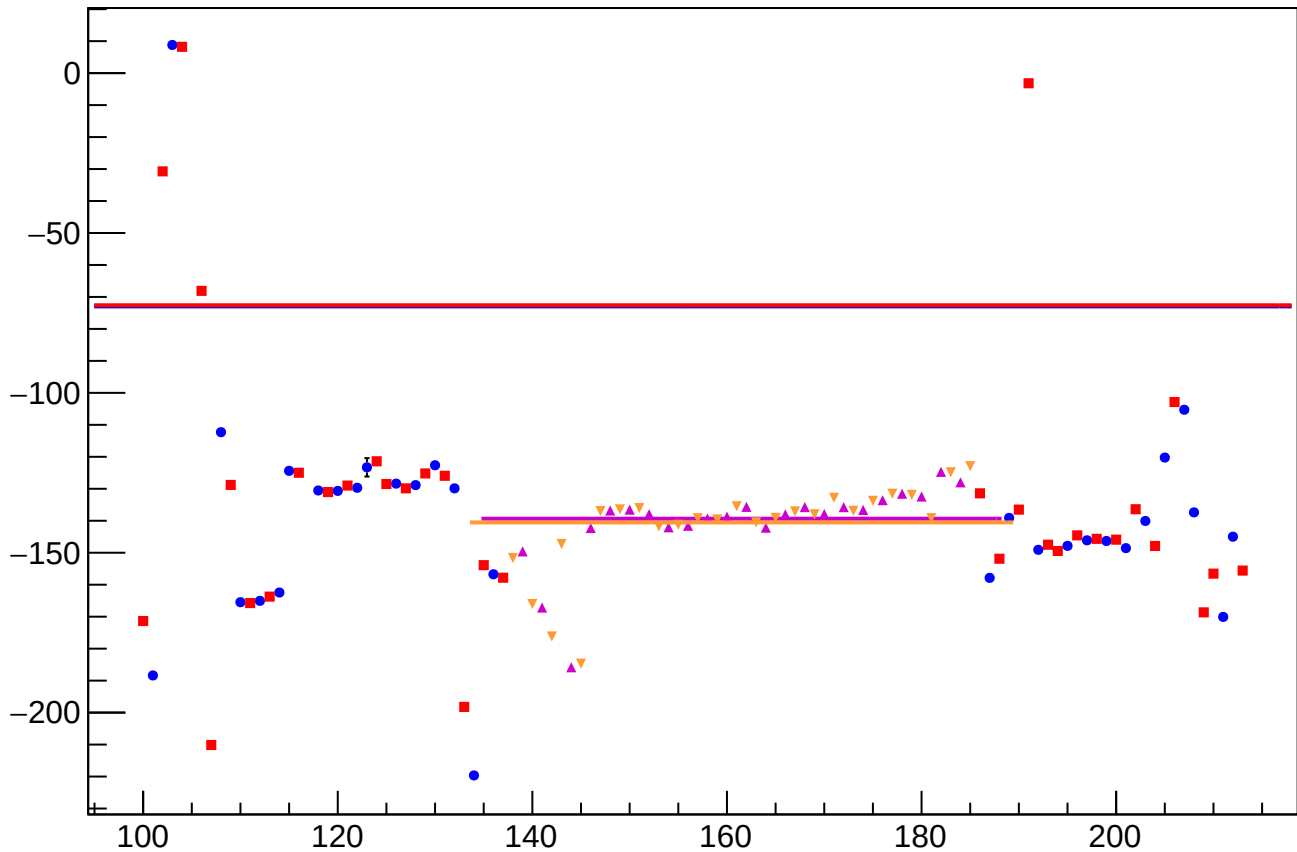
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

+ sign 60.730 $\pm$ 0.796 χ^2 /NDF: 2181.5/54

All: 58.190 $\pm$ 0.563 χ^2 /NDF: 4200.3/111

- sign 55.645 $\pm$ 0.797 χ^2 /NDF: 1998.5/56

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -72.962 ± 0.062 $\chi^2/\text{NDF}: 1585222.6/29$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -72.609 ± 0.060 $\chi^2/\text{NDF}: 1435805.3/33$

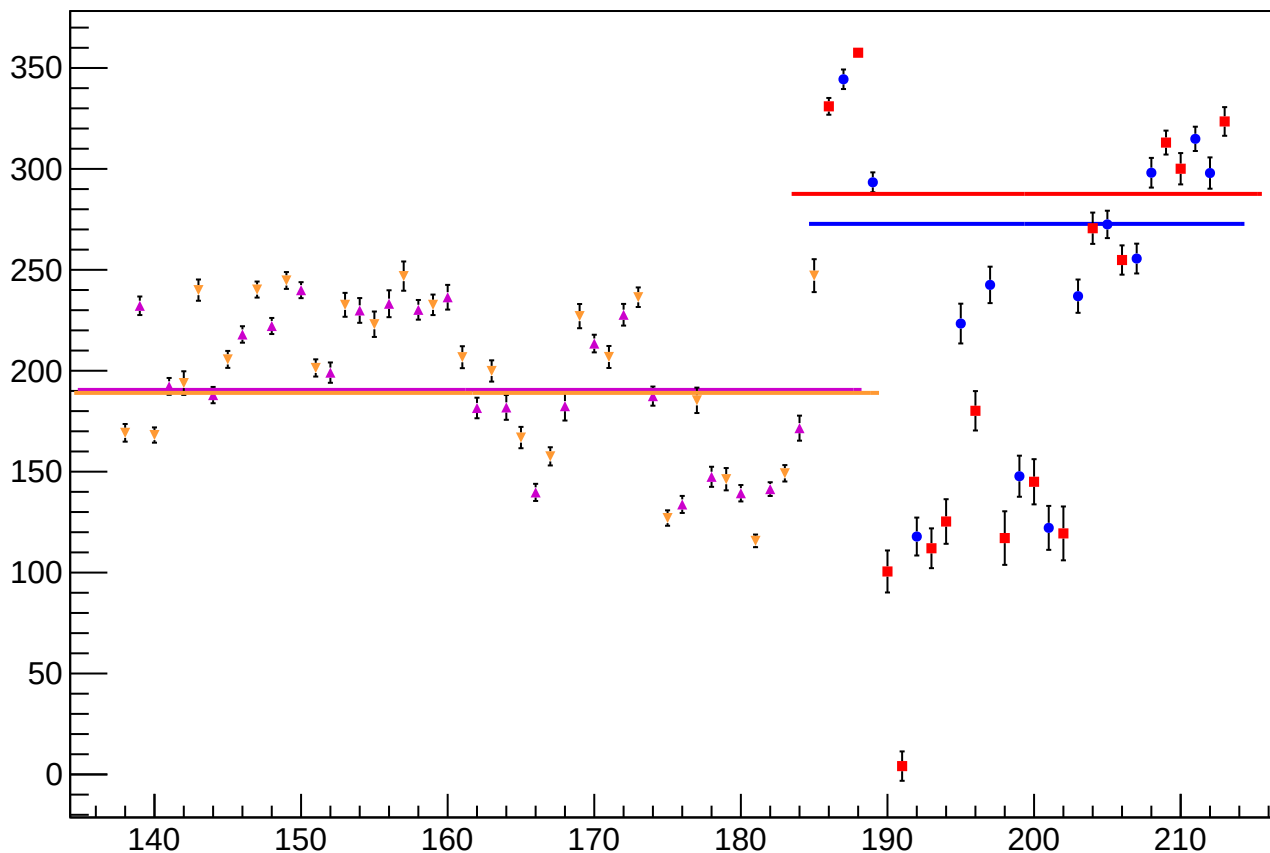
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.460 ± 0.036 $\chi^2/\text{NDF}: 2447488.9/54$

All: -116.435 ± 0.026 $\chi^2/\text{NDF}: 4736236.2/11$

- sign -115.417 ± 0.036 $\chi^2/\text{NDF}: 2287146.2/56$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 272.766 ± 1.986 $\chi^2/\text{NDF}: 982.9/12$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 287.623 ± 1.593 $\chi^2/\text{NDF}: 3940.1/14$

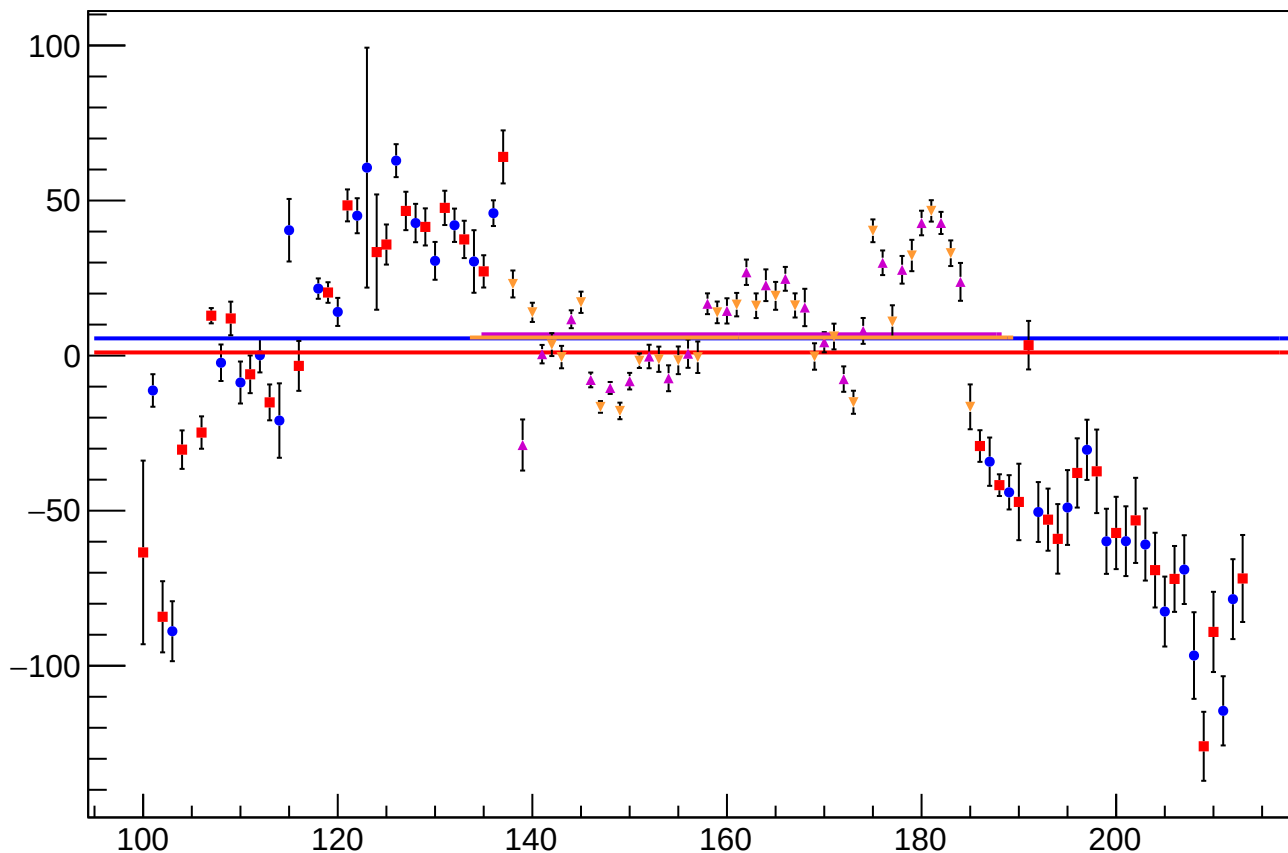
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 204.779 ± 0.861 $\chi^2/\text{NDF}: 4407.2/37$

All: 211.092 ± 0.598 $\chi^2/\text{NDF}: 12567.6/75$

- sign 216.977 ± 0.832 $\chi^2/\text{NDF}: 8056.7/37$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 5.556 ± 1.242 χ^2/NDF : 1122.3/29

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 1.021 ± 1.063 χ^2/NDF : 1189.9/33

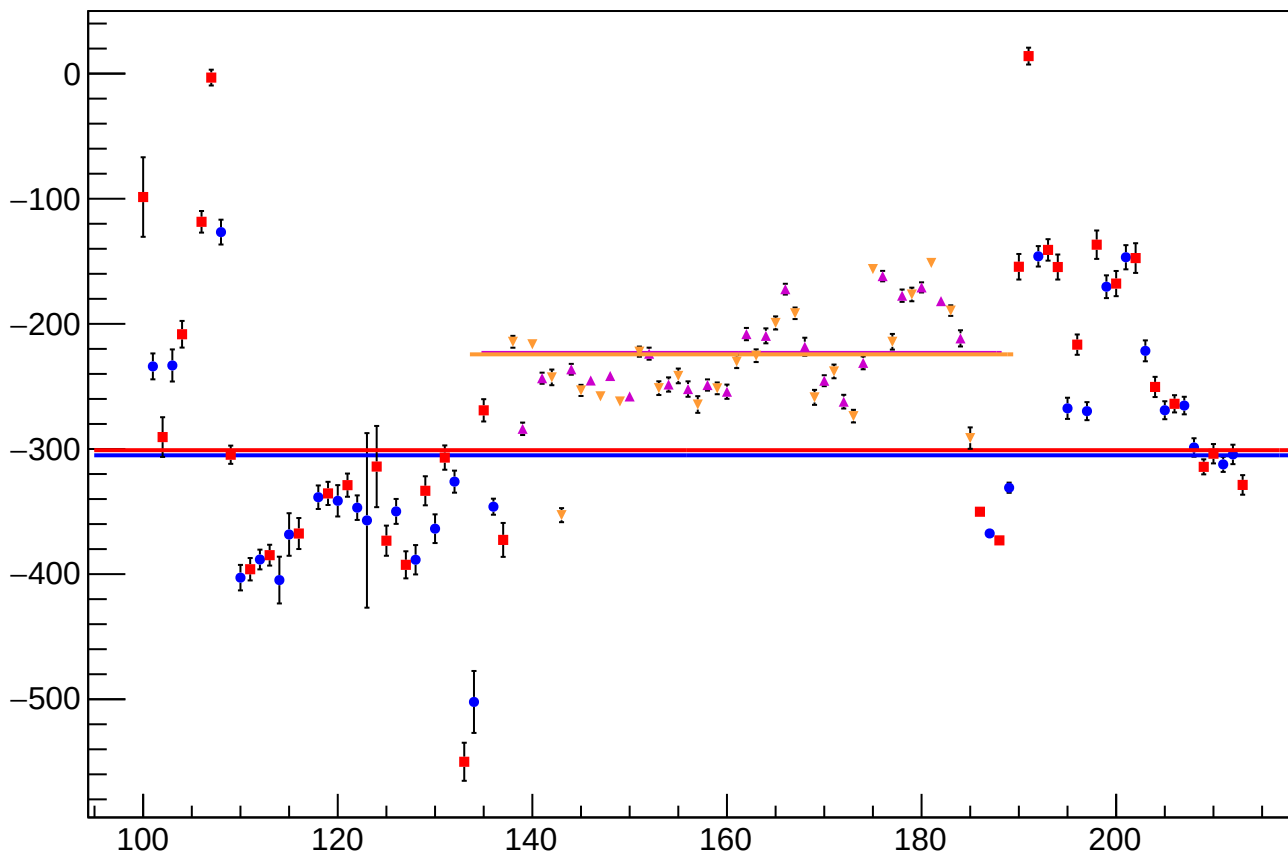
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 5.765 ± 0.618 χ^2/NDF : 1774.6/54

All: 5.359 ± 0.432 χ^2/NDF : 3508.4/111

- sign 4.969 ± 0.605 χ^2/NDF : 1733.0/56

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -305.052 ± 1.473 χ^2/NDF : 2250.5/29

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -300.947 ± 1.183 χ^2/NDF : 8677.6/33

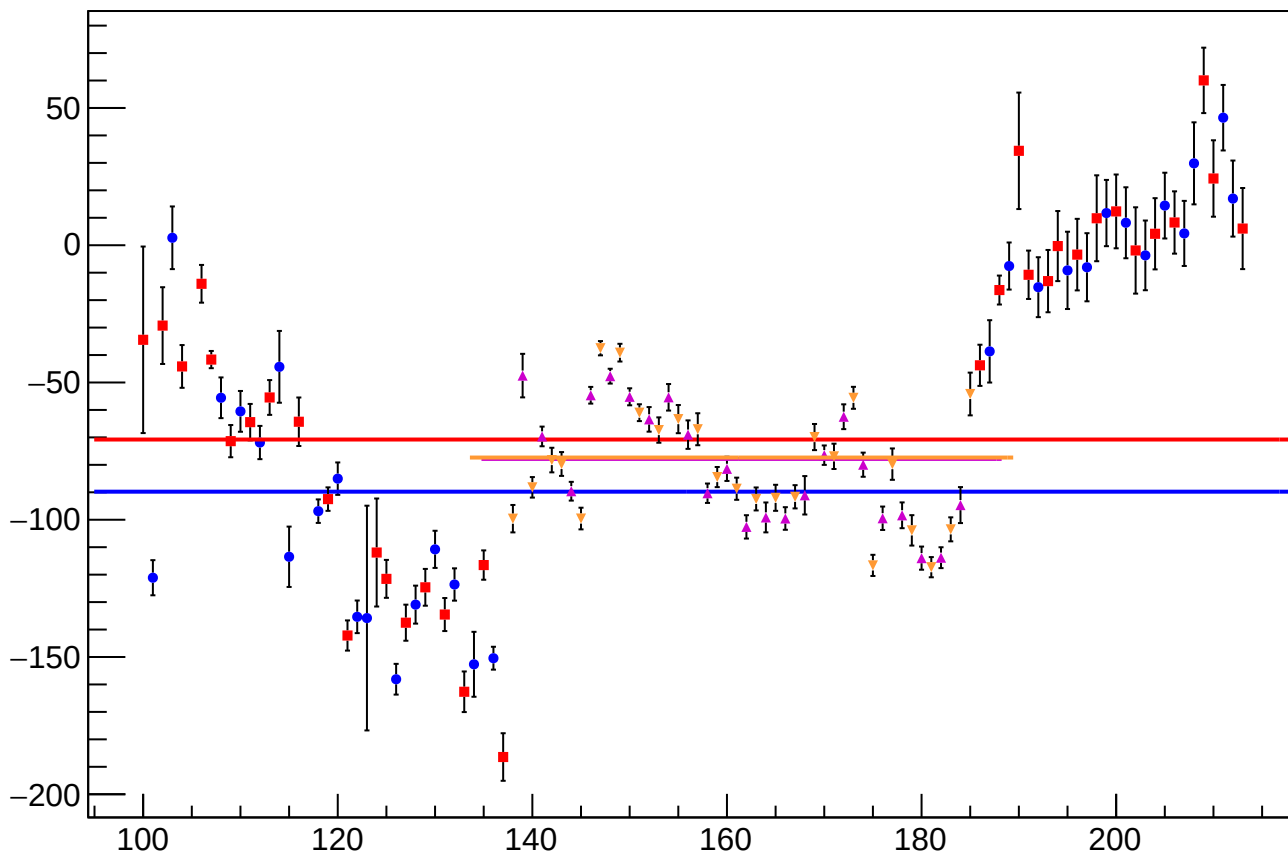
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -248.268 ± 0.802 χ^2/NDF : 6464.0/54

All: -251.568 ± 0.548 χ^2/NDF : 19026.6/111

- sign -254.450 ± 0.750 χ^2/NDF : 12530.9/56

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -89.775 ± 1.441 $\chi^2/\text{NDF}: 1484.2/29$

Left Out: -77.343 ± 0.827 $\chi^2/\text{NDF}: 846.2/24$

Right Out: -70.777 ± 1.272 $\chi^2/\text{NDF}: 1755.3/33$

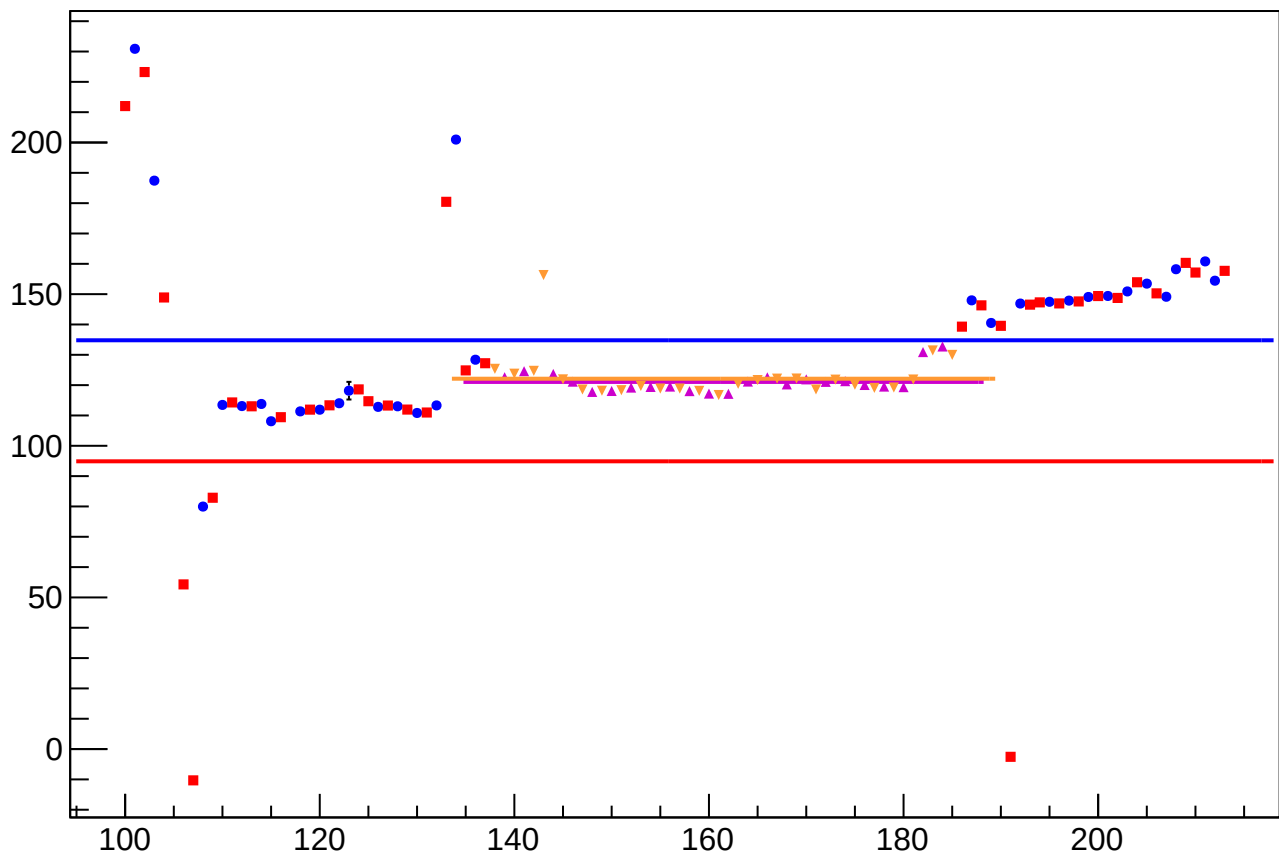
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -80.420 ± 0.717 $\chi^2/\text{NDF}: 2386.4/54$

All: -78.004 ± 0.503 $\chi^2/\text{NDF}: 4808.2/111$

- sign -75.662 ± 0.706 $\chi^2/\text{NDF}: 2399.5/56$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 134.790 $\pm$ 0.073 χ^2 /NDF: 209374.2/29

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 94.884 $\pm$ 0.061 χ^2 /NDF: 1161213.5/33

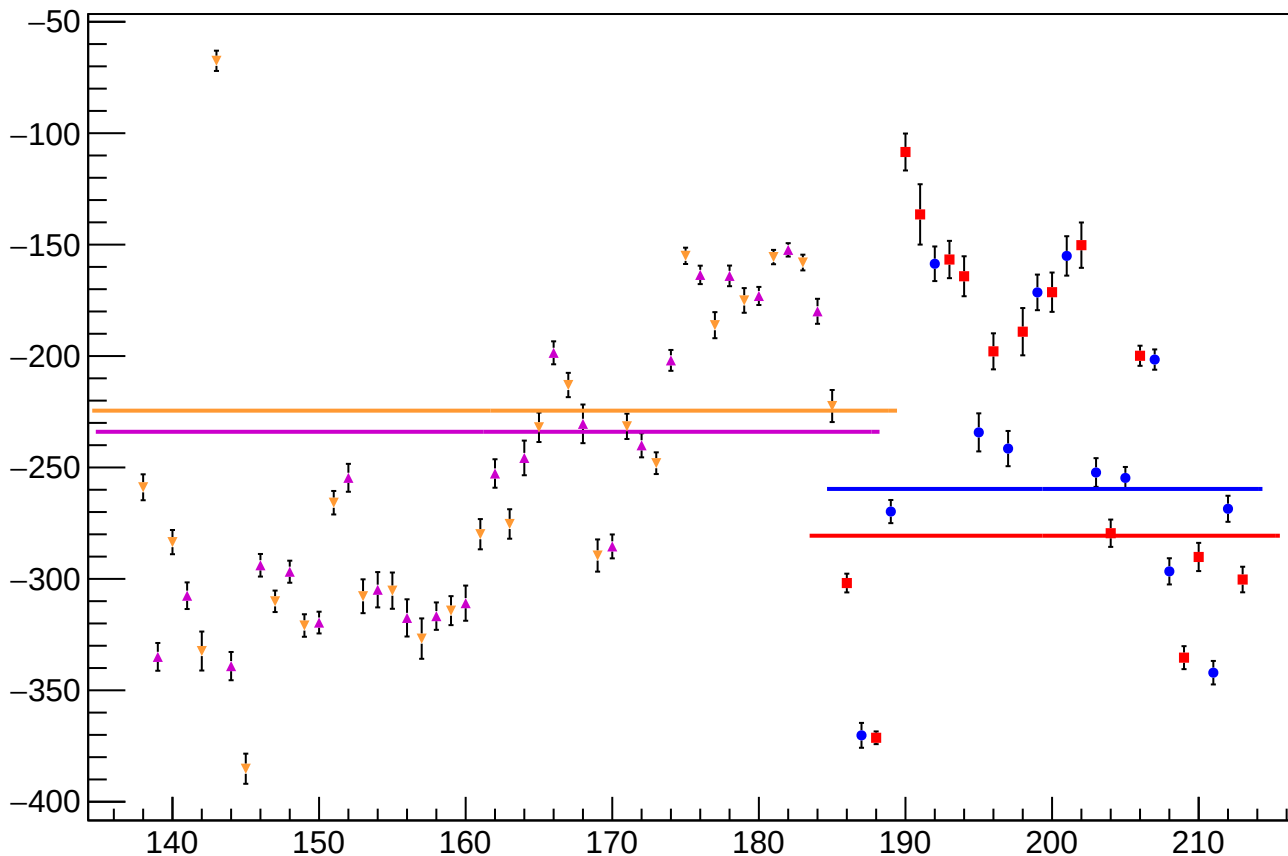
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 124.987 $\pm$ 0.035 χ^2 /NDF: 263252.3/54

All: 118.943 $\pm$ 0.024 χ^2 /NDF: 1618812.8/111

- sign 113.342 $\pm$ 0.033 χ^2 /NDF: 1296989.0/56

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -259.635 ± 1.686 $\chi^2/\text{NDF}: 1292.2/12$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -280.626 ± 1.505 $\chi^2/\text{NDF}: 2912.2/14$

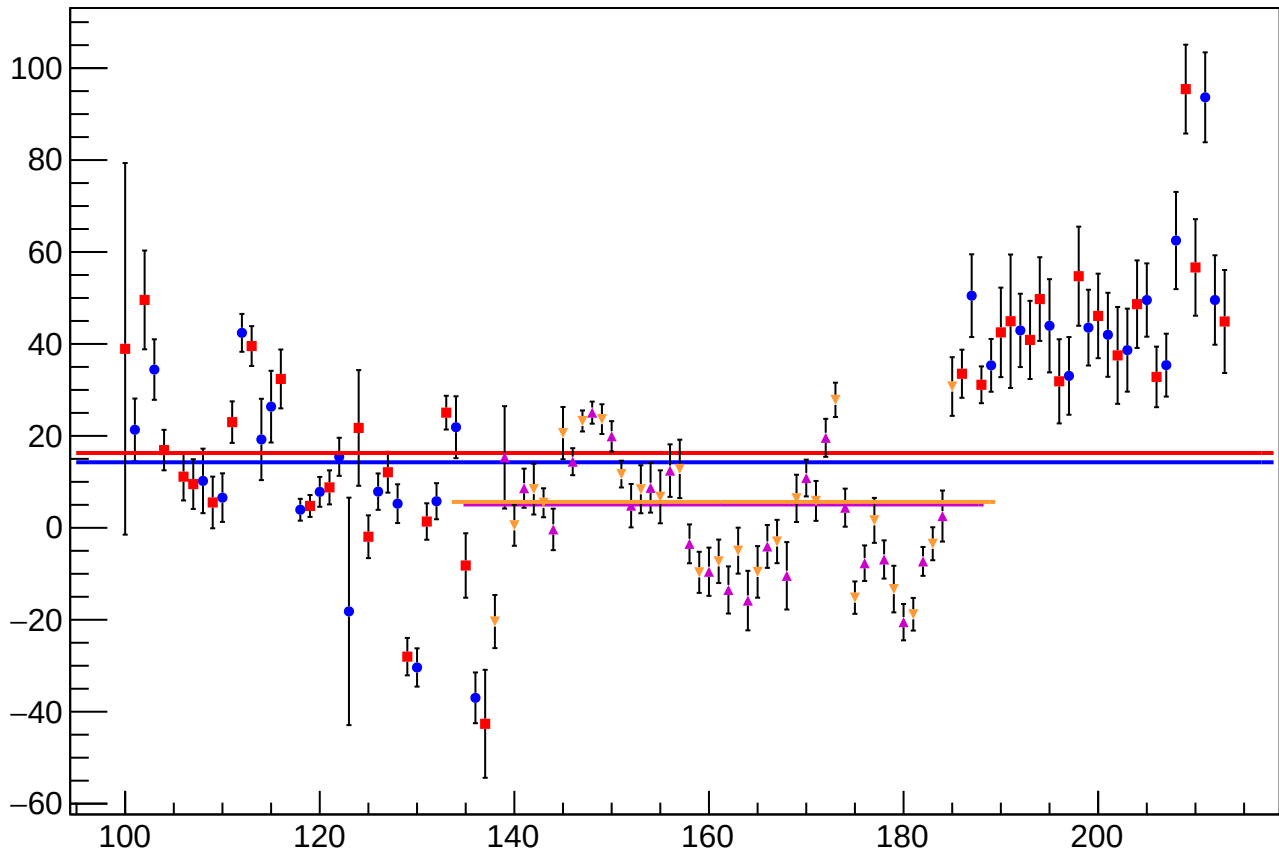
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -234.708 ± 0.909 $\chi^2/\text{NDF}: 6470.8/37$

All: -242.693 ± 0.637 $\chi^2/\text{NDF}: 13695.6/75$

- sign -250.393 ± 0.893 $\chi^2/\text{NDF}: 7073.2/37$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.259 $\pm$ 0.997 χ^2 /NDF: 515.5/29

Left Out: 5.638 $\pm$ 0.828 χ^2 /NDF:313.6/24

Right Out: 16.279 $\pm$ 0.948 χ^2 /NDF: 467.2/33

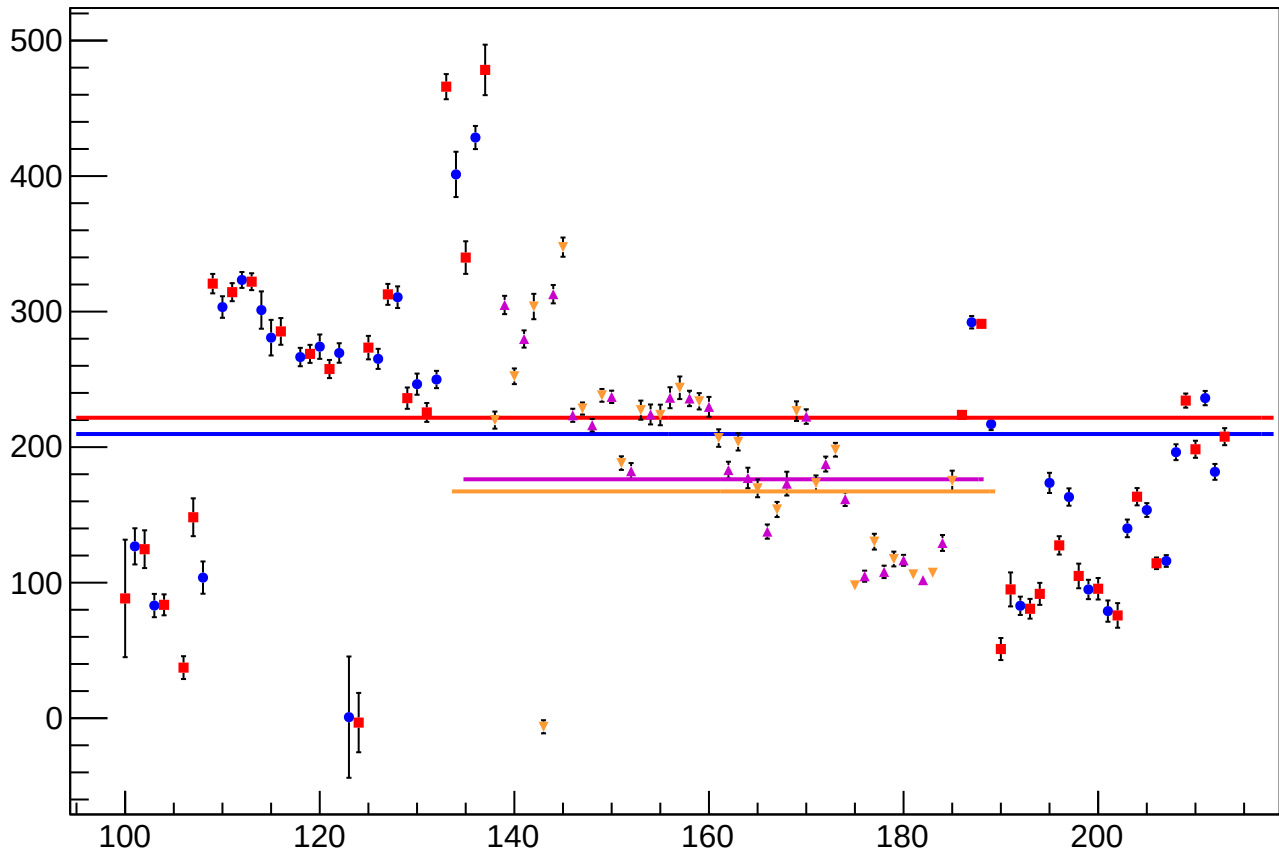
Left In: 5.077 $\pm$ 0.869 χ^2 /NDF:239.7/22

+ sign 9.158 $\pm$ 0.637 χ^2 /NDF: 873.4/54

All: 9.671 $\pm$ 0.452 χ^2 /NDF: 1657.5/111

- sign 10.190 $\pm$ 0.641 χ^2 /NDF: 782.7/56

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 209.664 $\pm$ 1.253 χ^2 /NDF: 4243.9/29

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 221.688 $\pm$ 1.107 χ^2 /NDF: 6595.7/33

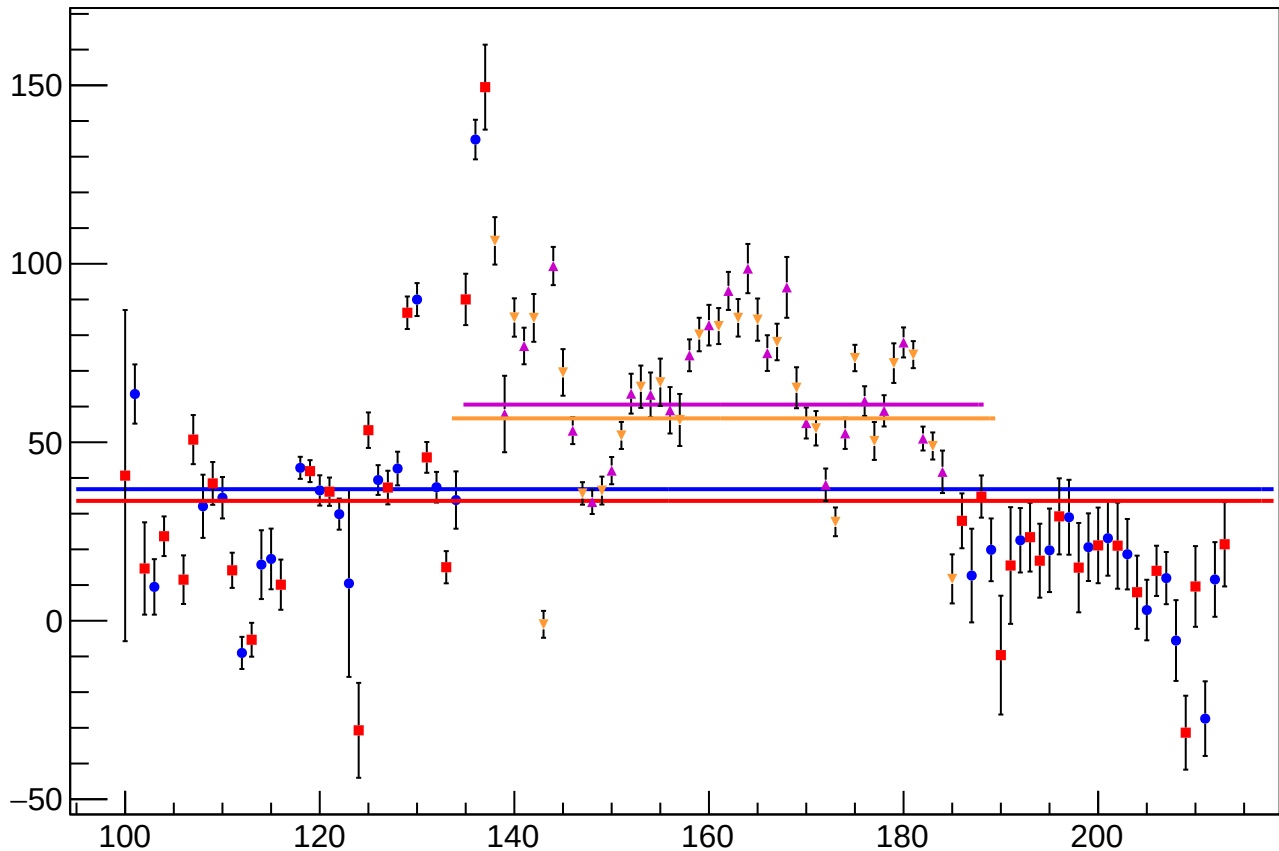
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 185.414 $\pm$ 0.819 χ^2 /NDF: 9351.8/54

All: 192.494 $\pm$ 0.566 χ^2 /NDF: 20102.3/111

- sign 198.951 $\pm$ 0.782 χ^2 /NDF: 10607.6/56

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.858 ± 1.155 $\chi^2/\text{NDF}: 696.6/29$

Left Out: 56.695 ± 0.952 $\chi^2/\text{NDF}: 690.4/24$

Right Out: 33.580 ± 1.110 $\chi^2/\text{NDF}: 555.5/33$

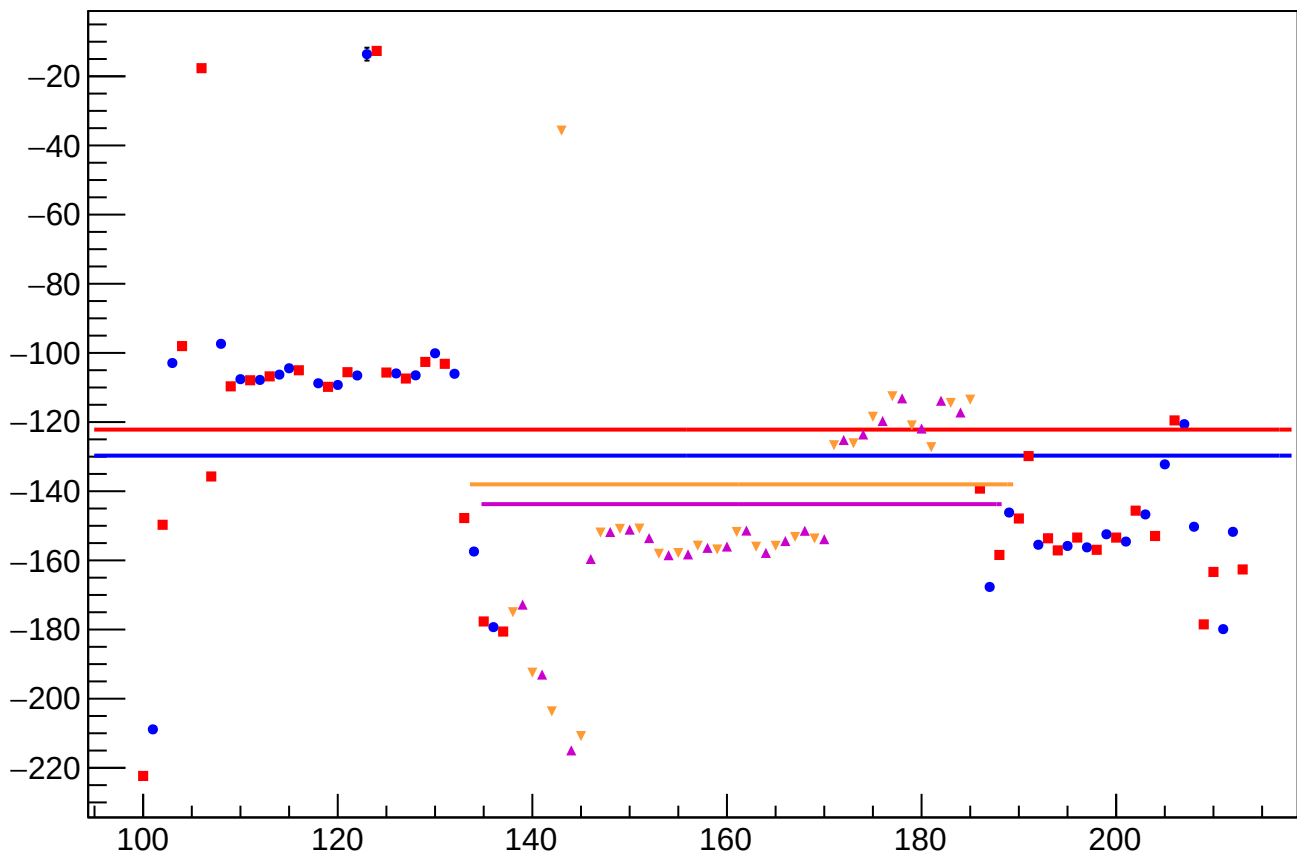
Left In: 60.555 ± 0.990 $\chi^2/\text{NDF}: 335.6/22$

+ sign 48.669 ± 0.734 $\chi^2/\text{NDF}: 1562.8/54$

All: 48.636 ± 0.521 $\chi^2/\text{NDF}: 2782.8/111$

- sign 48.602 ± 0.739 $\chi^2/\text{NDF}: 1220.0/56$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -129.704 ± 0.061 χ^2/NDF : 221286.8/29

Left Out: -138.008 ± 0.045 χ^2/NDF : 565767.2/24

Right Out: -122.177 ± 0.058 χ^2/NDF : 480512.0/33

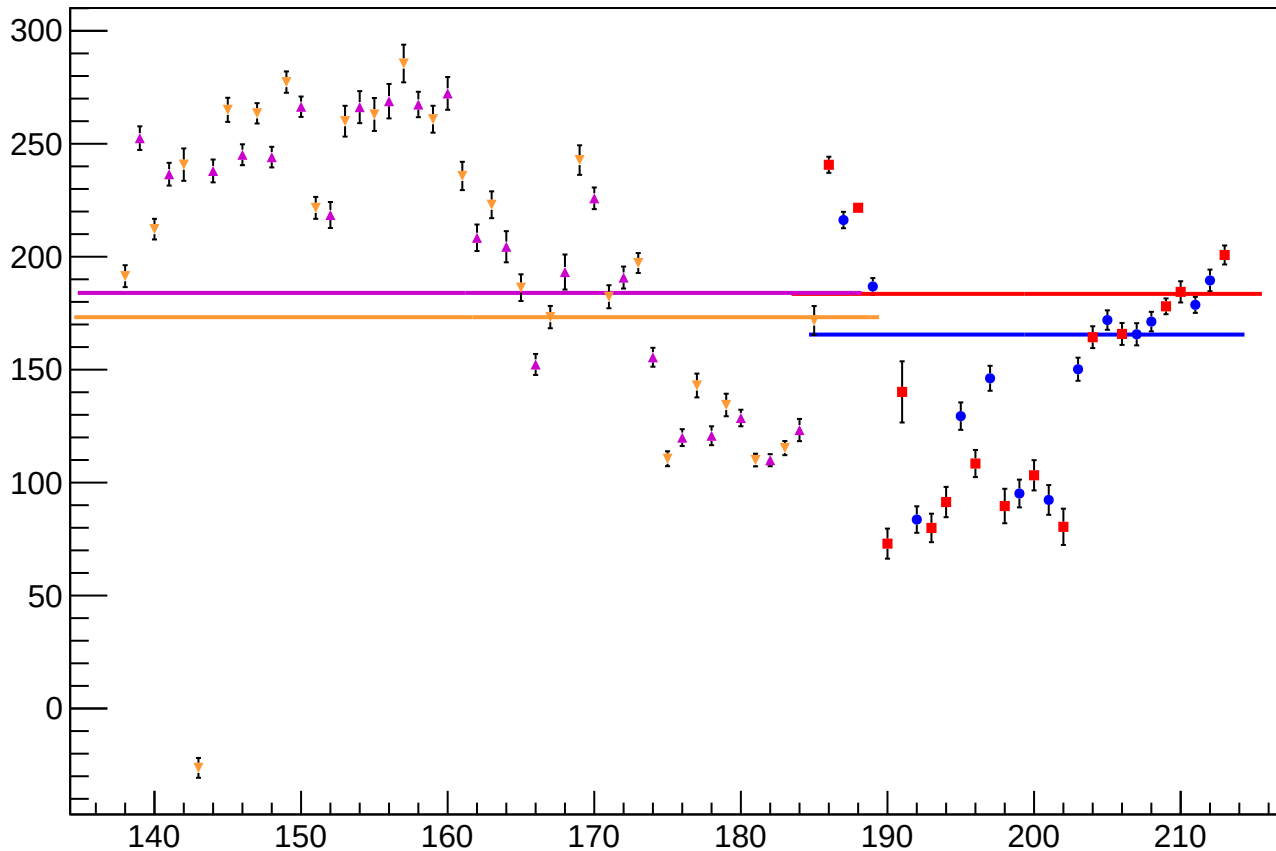
Left In: -143.735 ± 0.046 χ^2/NDF : 258408.3/22

+ sign -135.100 ± 0.036 χ^2/NDF : 798915.2/54

All: -135.219 ± 0.026 χ^2/NDF : 1623057.0/11

- sign -135.336 ± 0.036 χ^2/NDF : 824120.5/56

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 165.531 ± 1.296 $\chi^2/\text{NDF}: 776.6/12$

Left Out: 173.229 ± 0.966 $\chi^2/\text{NDF}: 5846.0/24$

Right Out: 183.550 ± 1.123 $\chi^2/\text{NDF}: 2086.4/14$

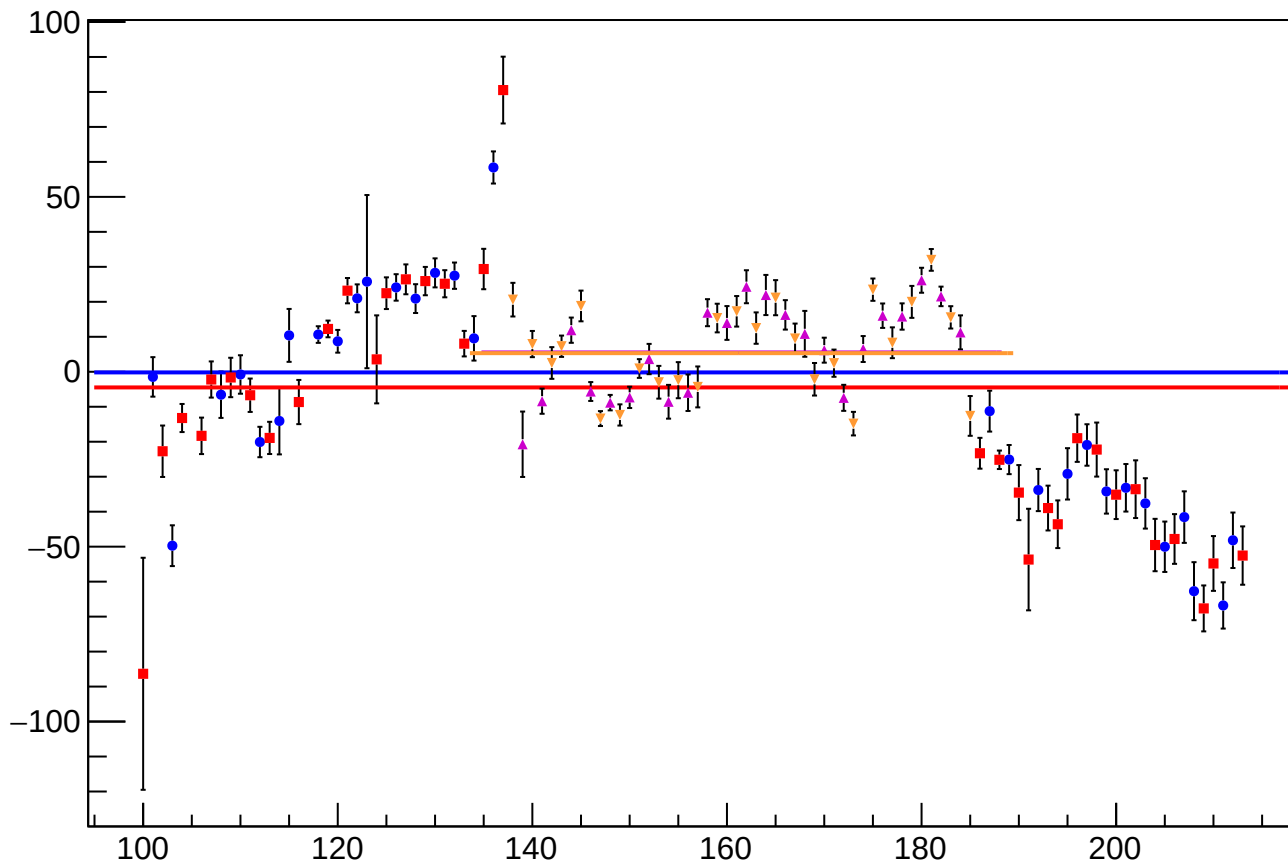
Left In: 183.984 ± 0.991 $\chi^2/\text{NDF}: 3613.7/22$

+ sign 170.481 ± 0.774 $\chi^2/\text{NDF}: 6645.3/37$

All: 177.412 ± 0.536 $\chi^2/\text{NDF}: 12499.4/75$

- sign 183.794 ± 0.743 $\chi^2/\text{NDF}: 5700.1/37$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.183 ± 0.920 χ^2/NDF : 941.5/29

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -4.477 ± 0.865 χ^2/NDF : 920.5/33

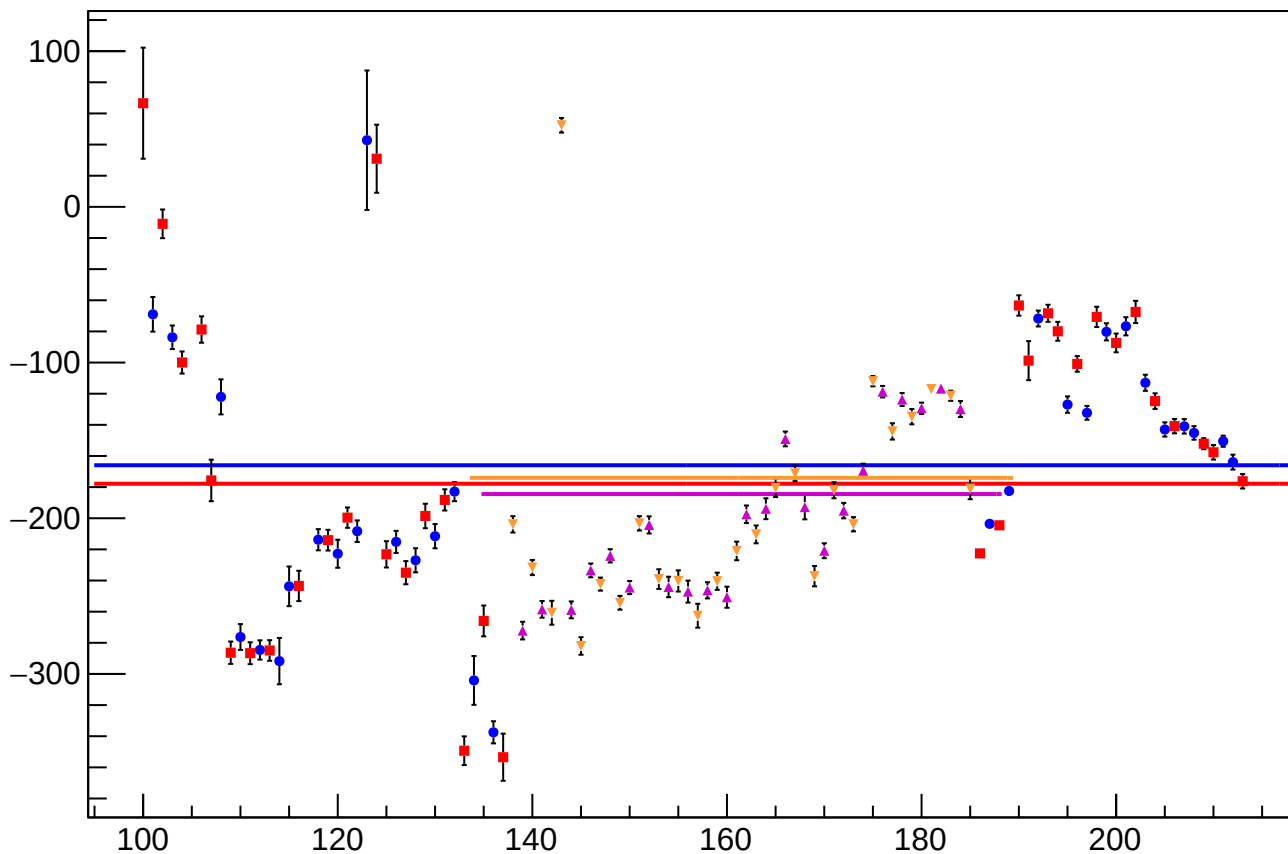
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 3.133 ± 0.580 χ^2/NDF : 1308.6/54

All: 2.084 ± 0.410 χ^2/NDF : 2565.7/111

- sign 1.036 ± 0.580 χ^2/NDF : 1250.5/56

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -165.958 ± 1.025 $\chi^2/\text{NDF}: 3140.2/29$

Left Out: -174.061 ± 0.971 $\chi^2/\text{NDF}: 5443.3/24$

Right Out: -177.817 ± 0.878 $\chi^2/\text{NDF}: 4983.5/33$

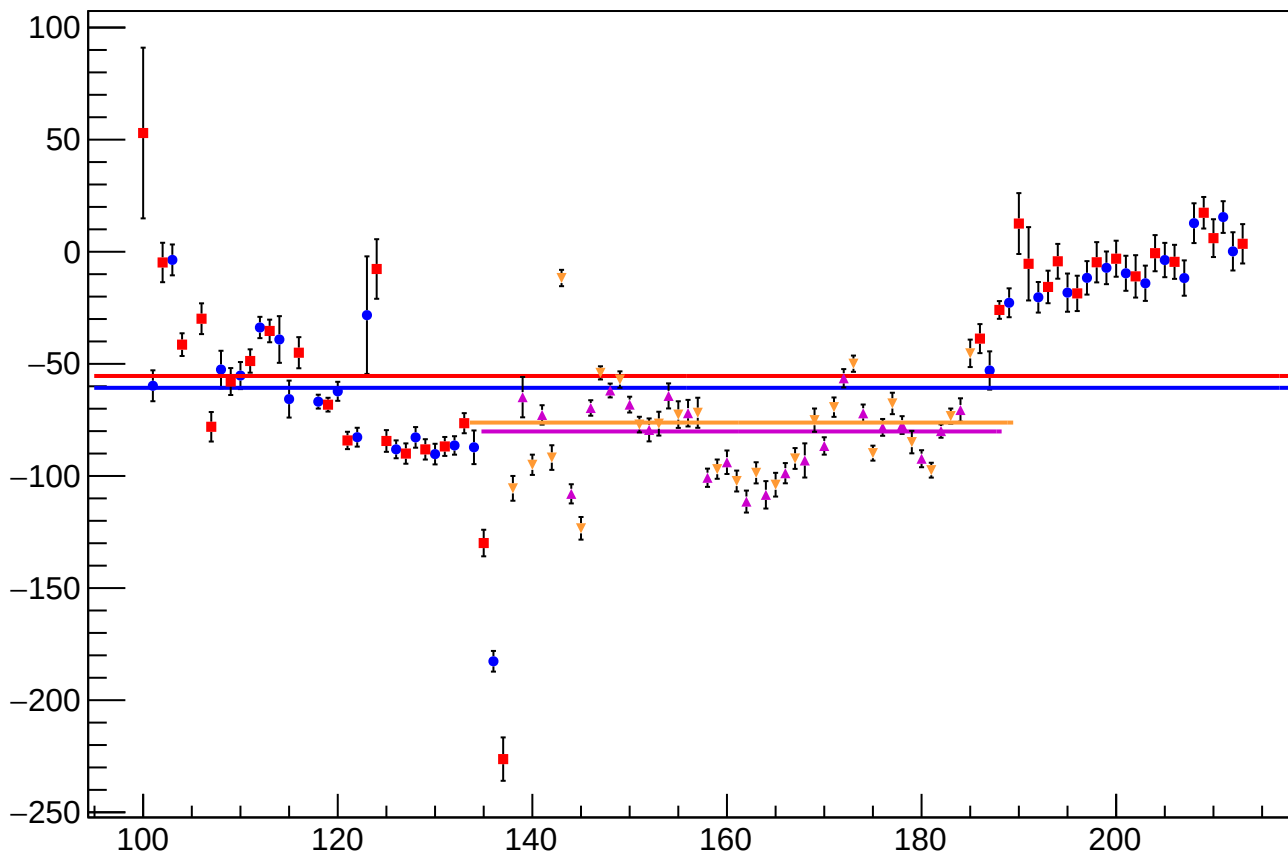
Left In: -184.456 ± 0.991 $\chi^2/\text{NDF}: 3051.6/22$

+ sign -170.228 ± 0.705 $\chi^2/\text{NDF}: 8616.4/54$

All: -175.850 ± 0.481 $\chi^2/\text{NDF}: 16795.7/111$

- sign -180.739 ± 0.657 $\chi^2/\text{NDF}: 8060.2/56$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -60.688 ± 1.070 χ^2/NDF : 1602.4/29

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -55.402 ± 1.025 χ^2/NDF : 1457.9/33

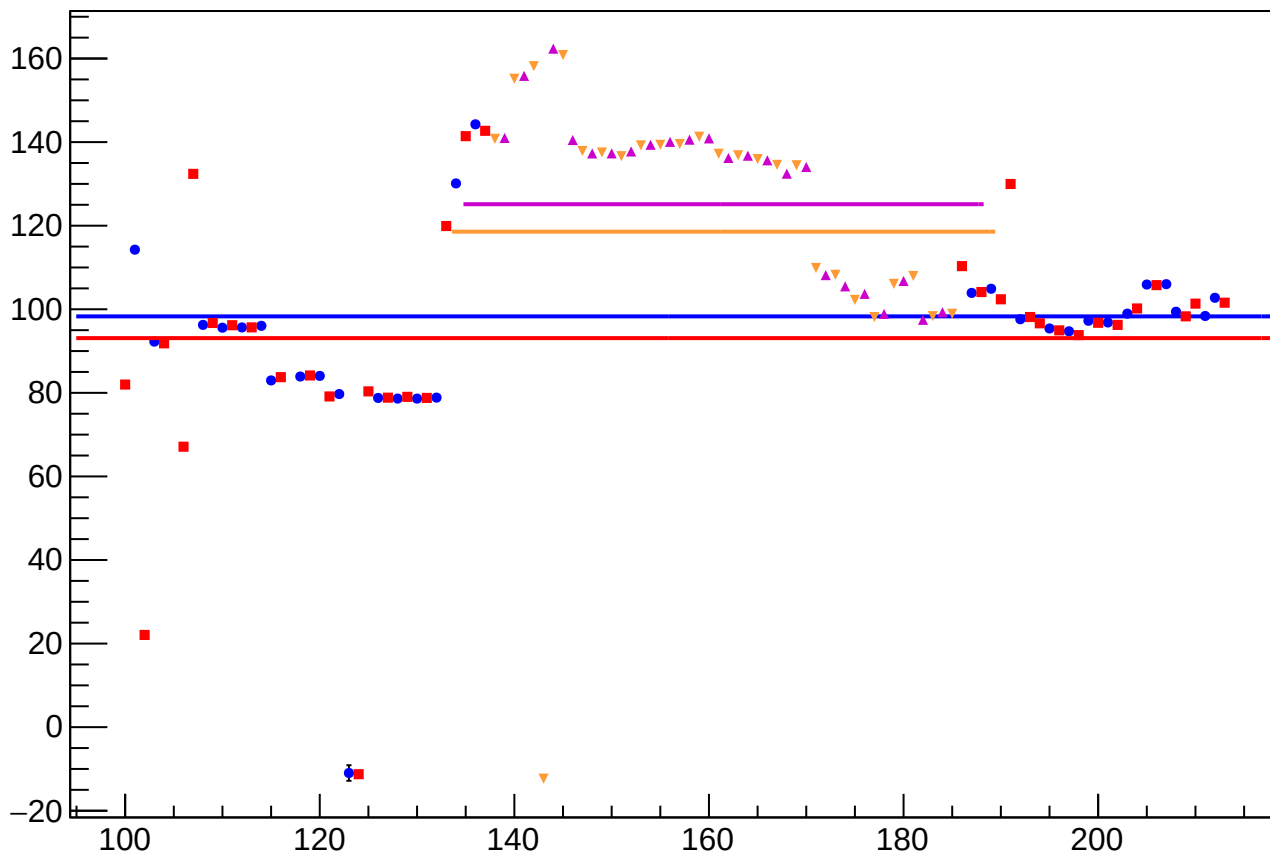
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -70.126 ± 0.669 χ^2/NDF : 2531.1/54

All: -69.825 ± 0.474 χ^2/NDF : 4605.4/111

- sign -69.521 ± 0.672 χ^2/NDF : 2073.9/56

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.297 $\pm$ 0.054 χ^2 /NDF: 96224.4/29

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 93.098 $\pm$ 0.050 χ^2 /NDF: 244294.1/33

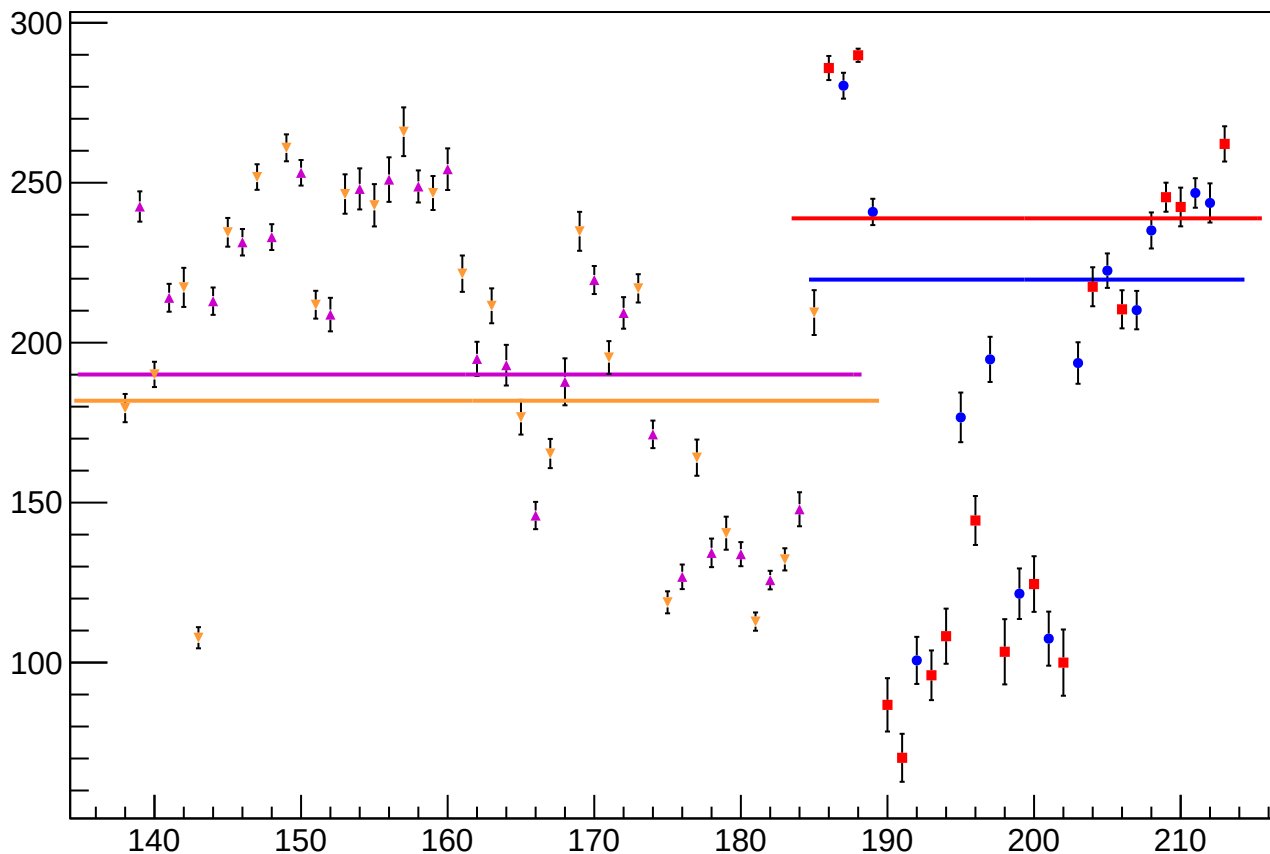
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 111.215 $\pm$ 0.032 χ^2 /NDF: 915832.2/54

All: 111.725 $\pm$ 0.023 χ^2 /NDF: 1624410.8/111

- sign 112.221 $\pm$ 0.032 χ^2 /NDF: 708087.9/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 219.719 $\pm$ 1.588 χ^2 /NDF: 962.7/12

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF: 3303.4/24

Right Out: 238.867 $\pm$ 1.313 χ^2 /NDF: 2907.2/14

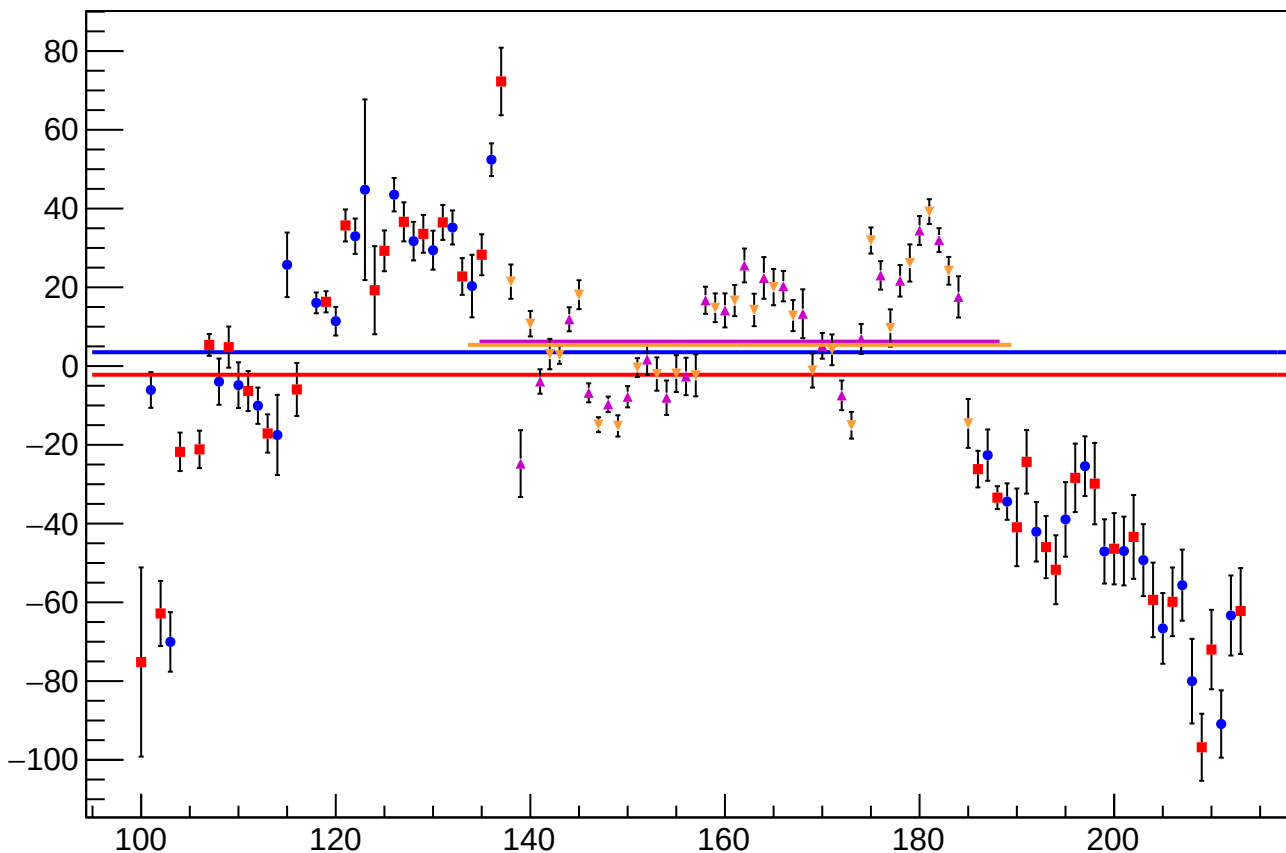
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF: 2438.4/22

+ sign 191.260 $\pm$ 0.792 χ^2 /NDF: 4693.3/37

All: 199.276 $\pm$ 0.552 χ^2 /NDF: 11143.7/75

- sign 206.881 $\pm$ 0.771 χ^2 /NDF: 6250.7/37

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 3.520 ± 1.028 $\chi^2/\text{NDF}: 1133.2/29$

Left Out: 5.394 ± 0.688 $\chi^2/\text{NDF}: 526.5/24$

Right Out: -2.203 ± 0.925 $\chi^2/\text{NDF}: 1185.7/33$

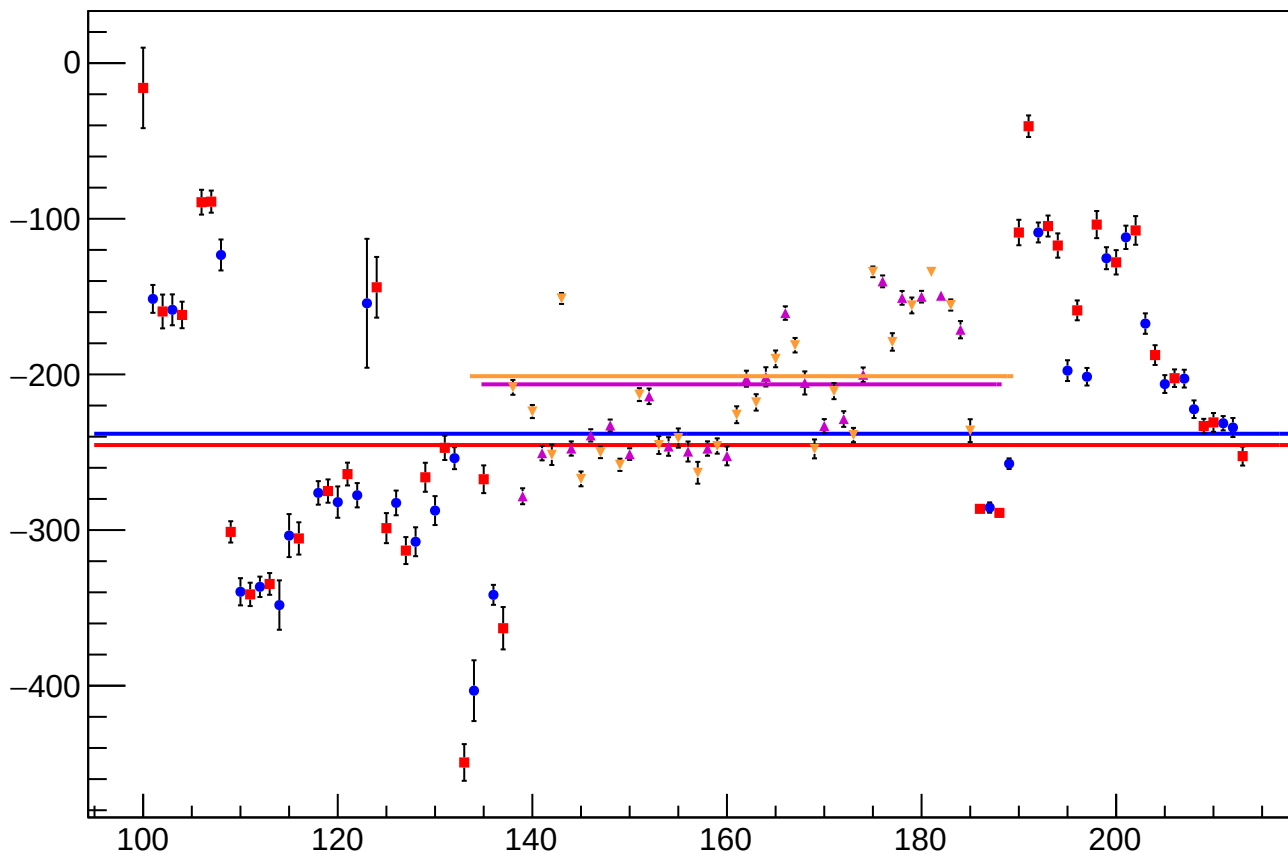
Left In: 6.206 ± 0.732 $\chi^2/\text{NDF}: 407.5/22$

+ sign 4.814 ± 0.572 $\chi^2/\text{NDF}: 1662.0/54$

All: 3.894 ± 0.405 $\chi^2/\text{NDF}: 3311.2/111$

- sign 2.969 ± 0.574 $\chi^2/\text{NDF}: 1644.0/56$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -238.121 ± 1.204 χ^2/NDF : 2703.5/29

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -245.368 ± 0.992 χ^2/NDF : 5836.7/33

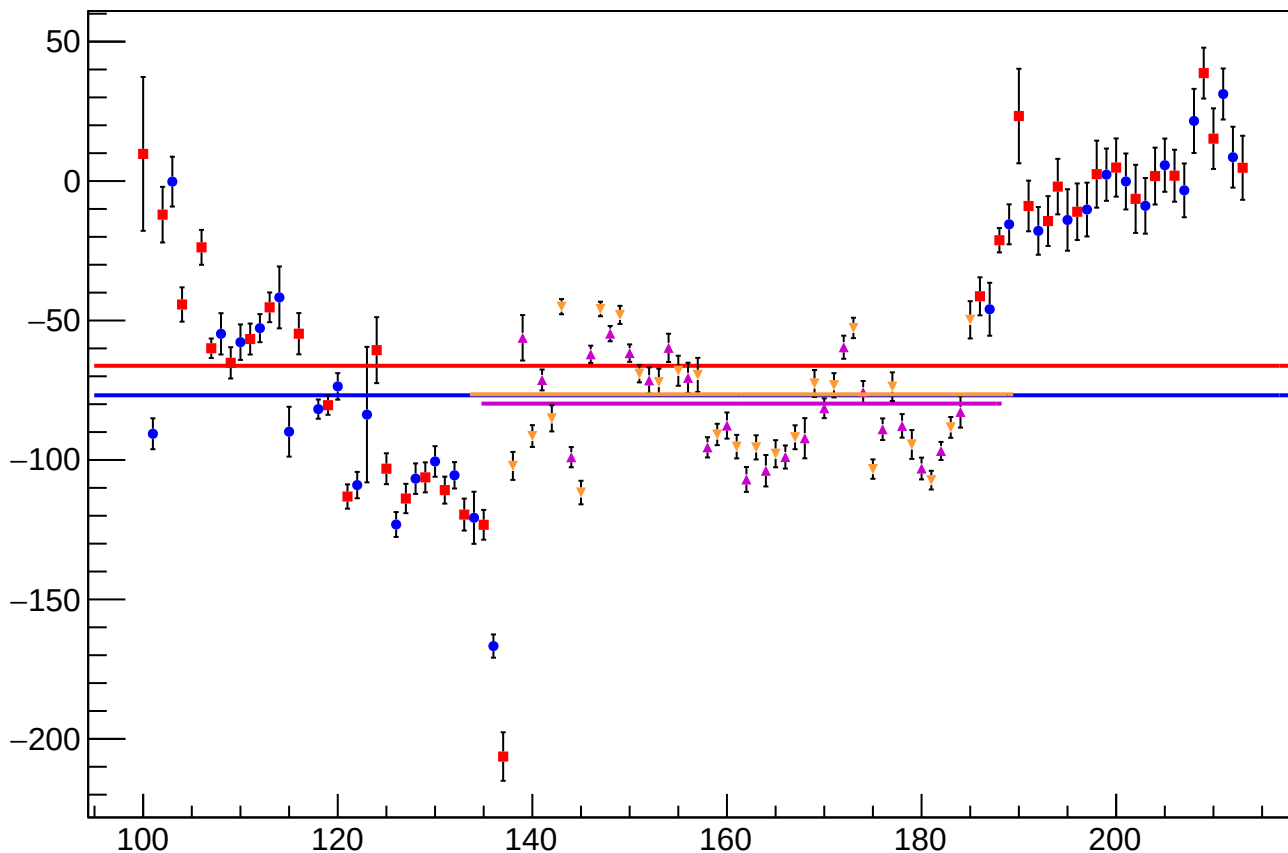
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -214.735 ± 0.730 χ^2/NDF : 5788.8/54

All: -220.192 ± 0.500 χ^2/NDF : 14648.1/111

- sign -225.013 ± 0.686 χ^2/NDF : 8754.0/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -76.807 $\pm$ 1.197 χ^2/NDF : 1656.9/29

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -66.230 $\pm$ 1.101 χ^2/NDF : 1700.4/33

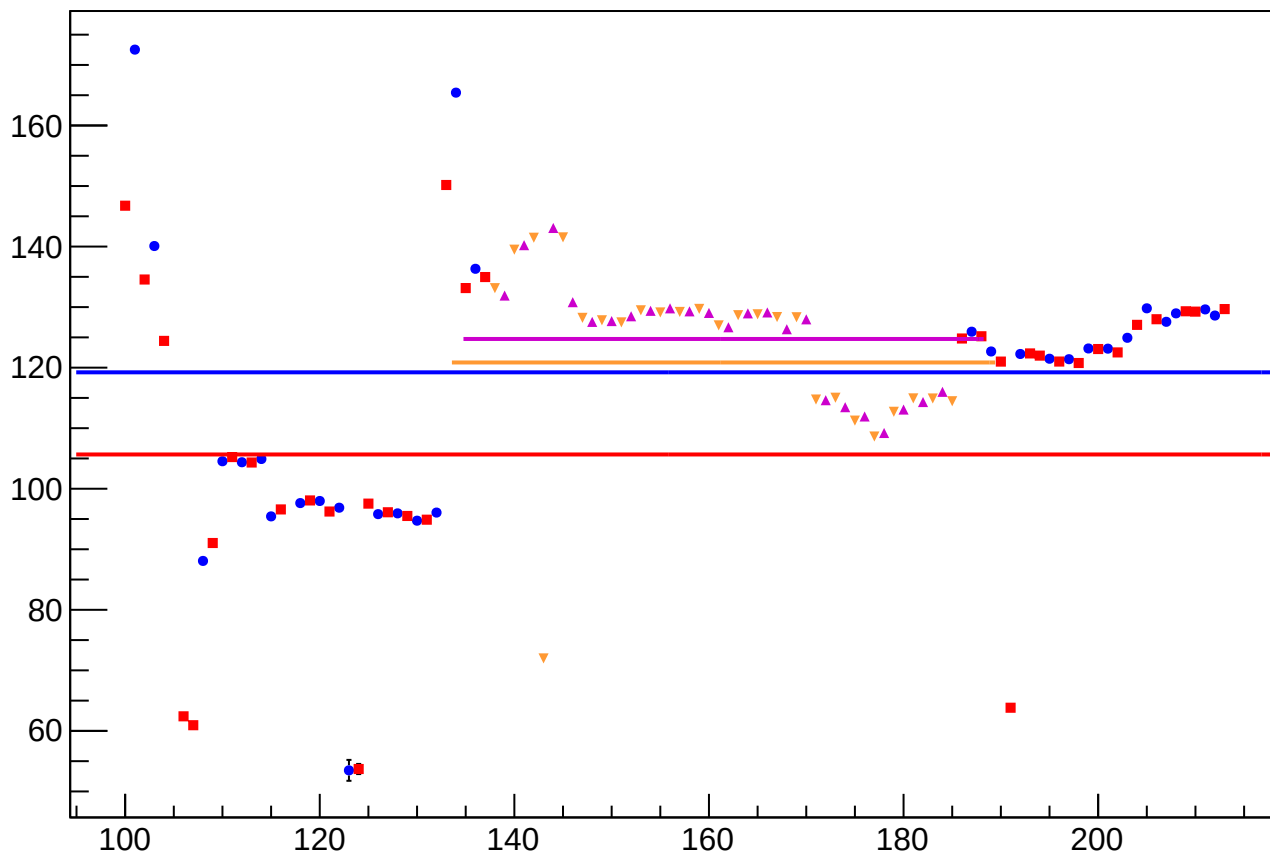
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -76.566 $\pm$ 0.663 χ^2/NDF : 2438.3/54

All: -75.691 $\pm$ 0.471 χ^2/NDF : 4650.4/111

- sign -74.804 $\pm$ 0.668 χ^2/NDF : 2208.6/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.227 $\pm$ 0.061 χ^2 /NDF: 110902.3/29

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF: 182759.1/24

Right Out: 105.660 $\pm$ 0.054 χ^2 /NDF: 250047.7/33

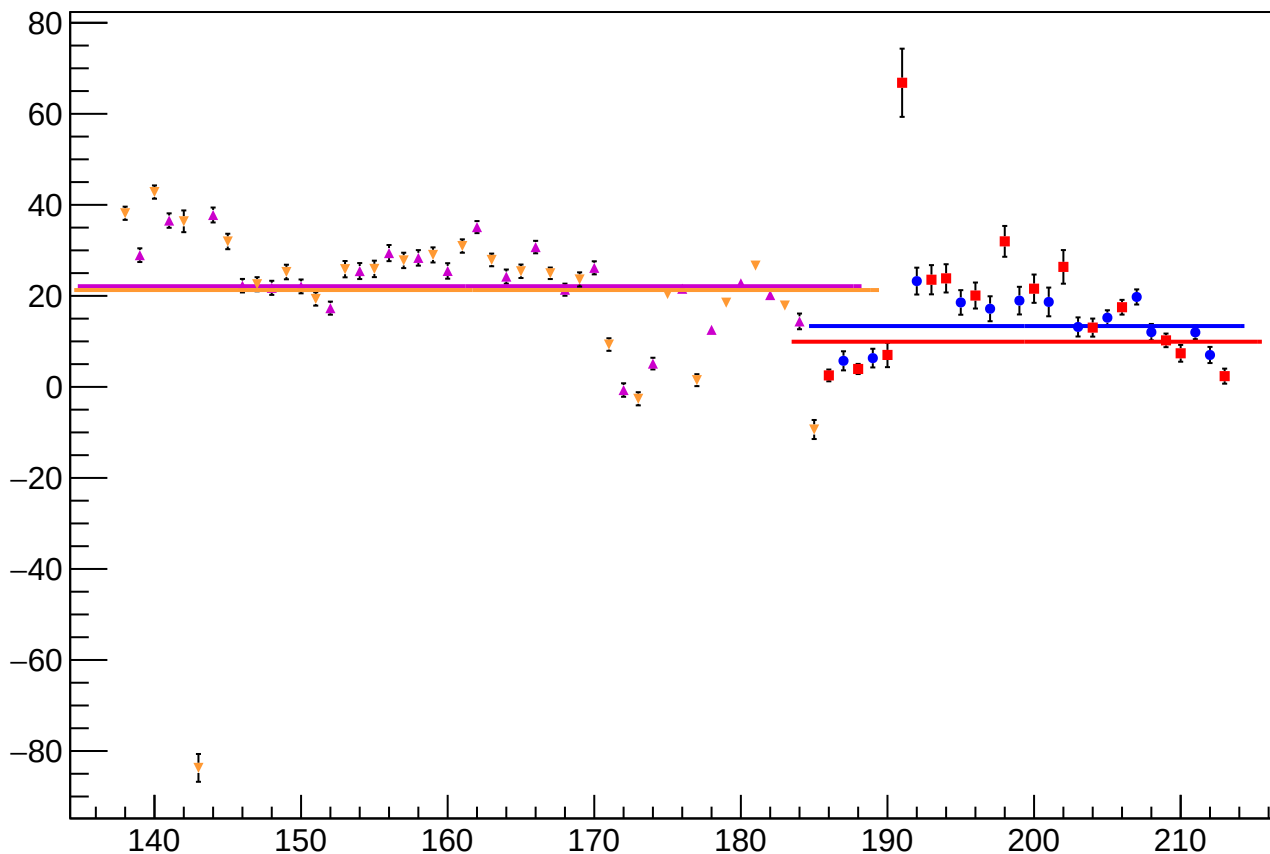
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.404 $\pm$ 0.032 χ^2 /NDF: 294168.7/54

All: 119.257 $\pm$ 0.023 χ^2 /NDF: 679550.4/111

- sign 118.152 $\pm$ 0.032 χ^2 /NDF: 382913.5/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 13.370 $\pm$ 0.569 χ^2 /NDF: 78.4/12

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF:2600.5/24

Right Out: 9.929 $\pm$ 0.507 χ^2 /NDF: 294.7/14

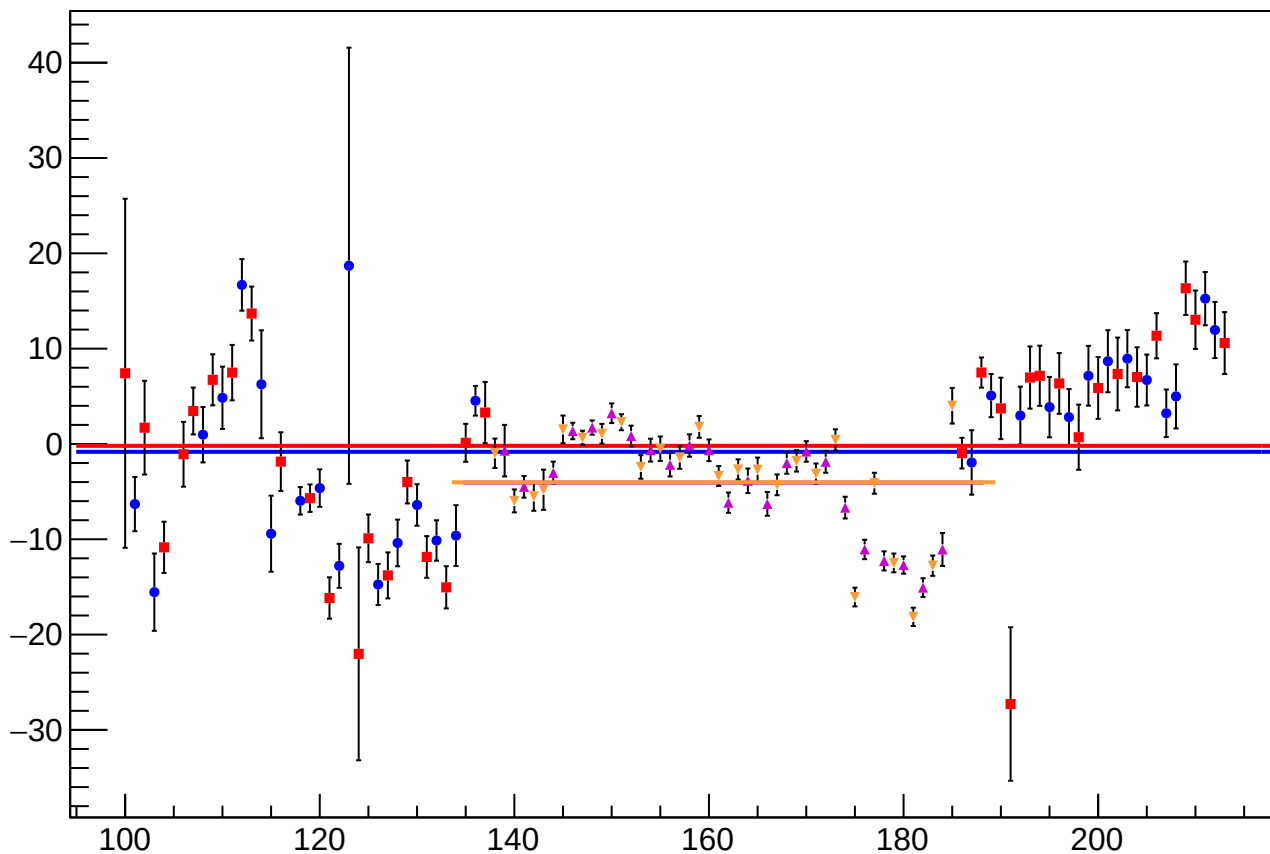
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF:900.2/22

+ sign 19.717 $\pm$ 0.253 χ^2 /NDF: 2834.1/37

All: 19.449 $\pm$ 0.177 χ^2 /NDF: 4470.6/75

- sign 19.191 $\pm$ 0.249 χ^2 /NDF: 1634.3/37

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.826 ± 0.475 χ^2/NDF : 317.9/29

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -0.199 ± 0.449 χ^2/NDF : 405.1/33

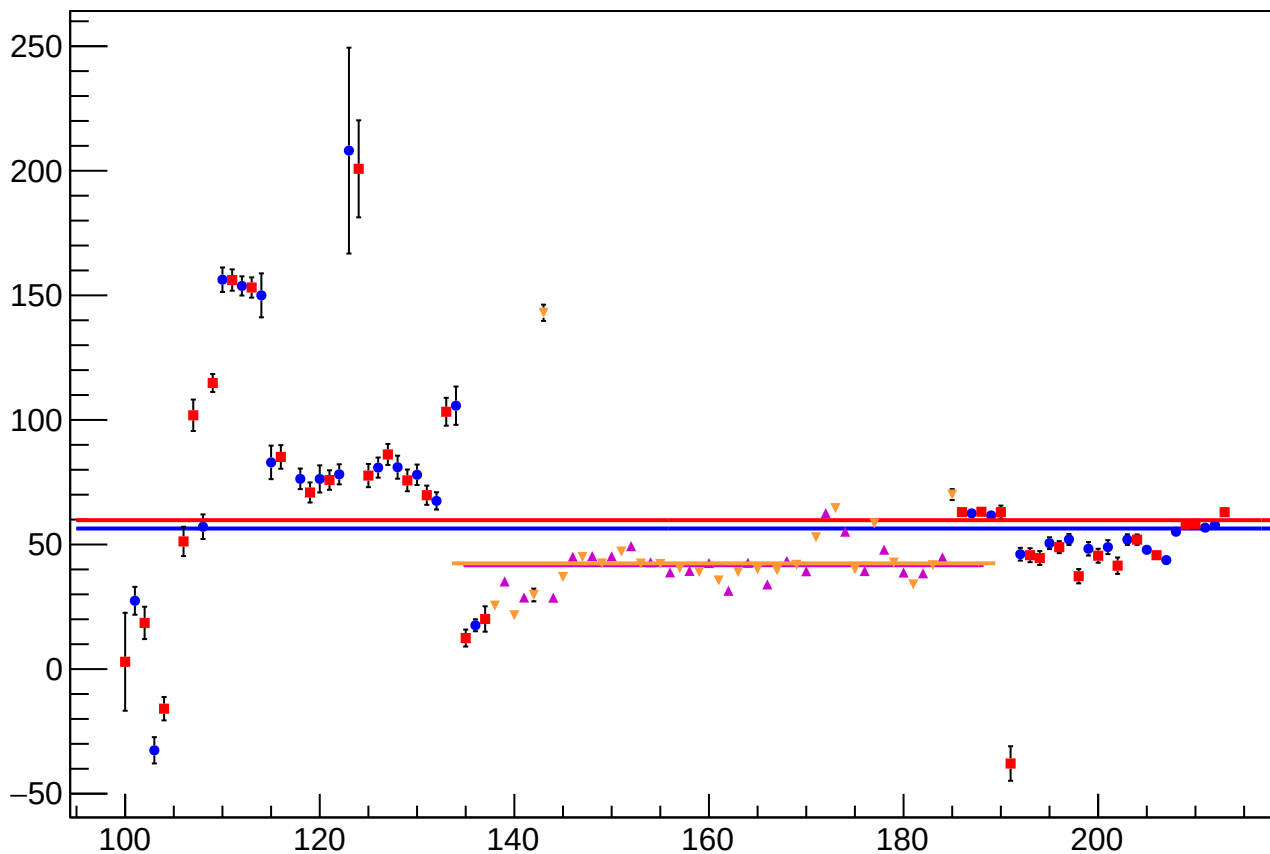
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.444 ± 0.202 χ^2/NDF : 1089.1/54

All: -3.356 ± 0.143 χ^2/NDF : 2130.6/111

- sign -3.266 ± 0.203 χ^2/NDF : 1041.2/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 56.422+/-0.480 χ^2/NDF : 2135.1/29

Left Out: 42.452+/-0.282 χ^2/NDF : 2016.0/24

Right Out: 59.767+/-0.420 χ^2/NDF : 2632.8/33

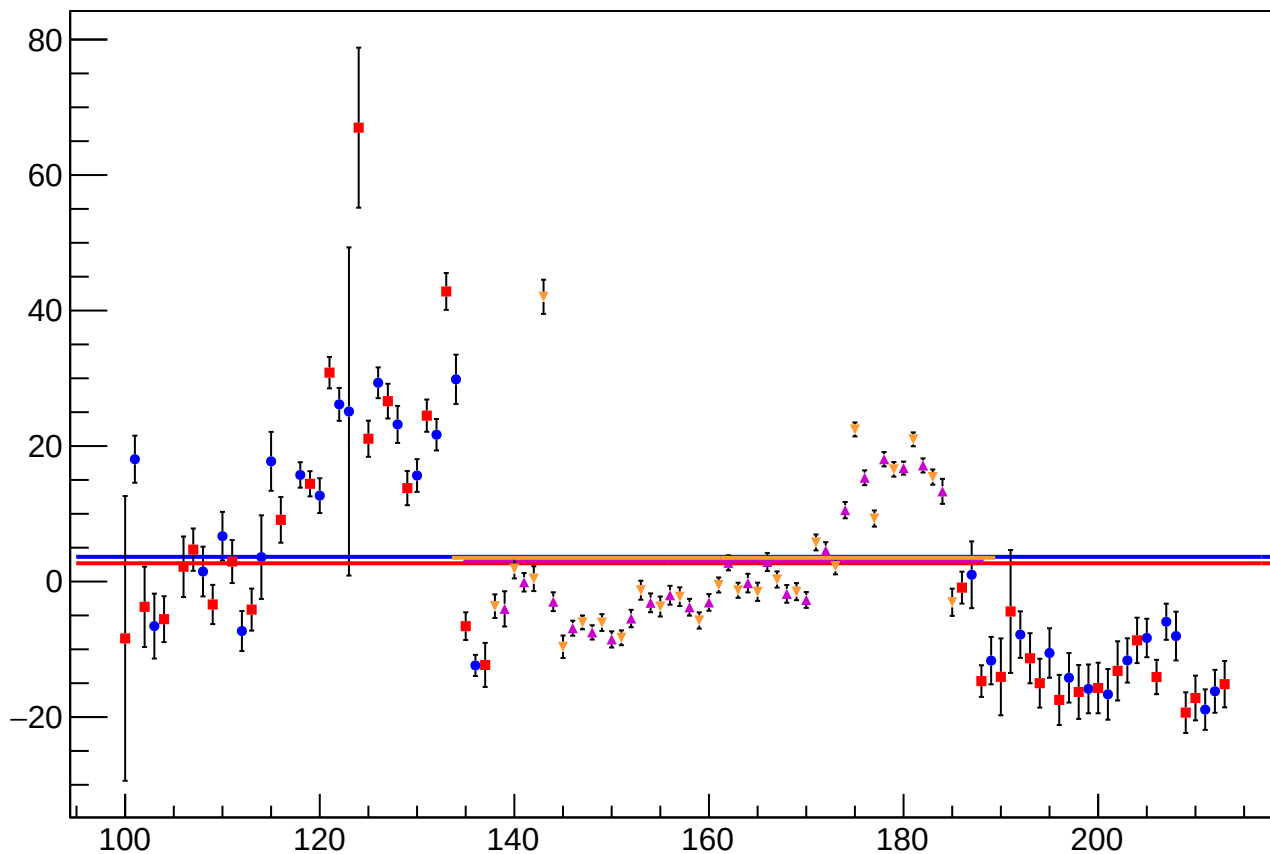
Left In: 41.695+/-0.284 χ^2/NDF : 630.2/22

+ sign 46.031+/-0.243 χ^2/NDF : 4780.1/54

All: 46.718+/-0.169 χ^2/NDF : 9327.4/111

- sign 47.362+/-0.235 χ^2/NDF : 4531.8/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 3.649 ± 0.542 χ^2/NDF : 895.9/29

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 2.701 ± 0.526 χ^2/NDF : 1103.2/33

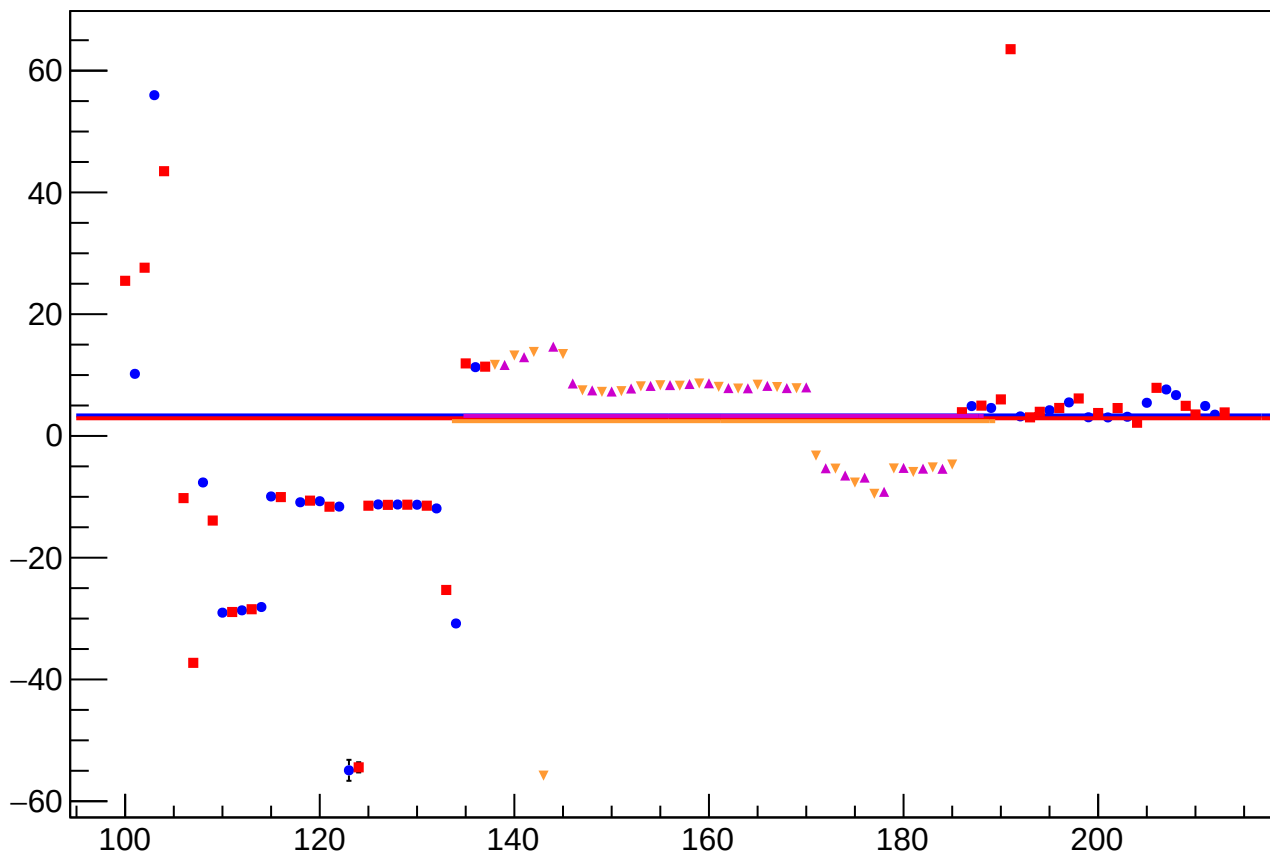
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.531 ± 0.229 χ^2/NDF : 2587.2/54

All: 3.272 ± 0.163 χ^2/NDF : 4959.2/111

- sign 3.008 ± 0.231 χ^2/NDF : 2369.3/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 3.367 $\pm$ 0.025 χ^2 /NDF: 362398.1/29

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.899 $\pm$ 0.025 χ^2 /NDF: 434531.1/33

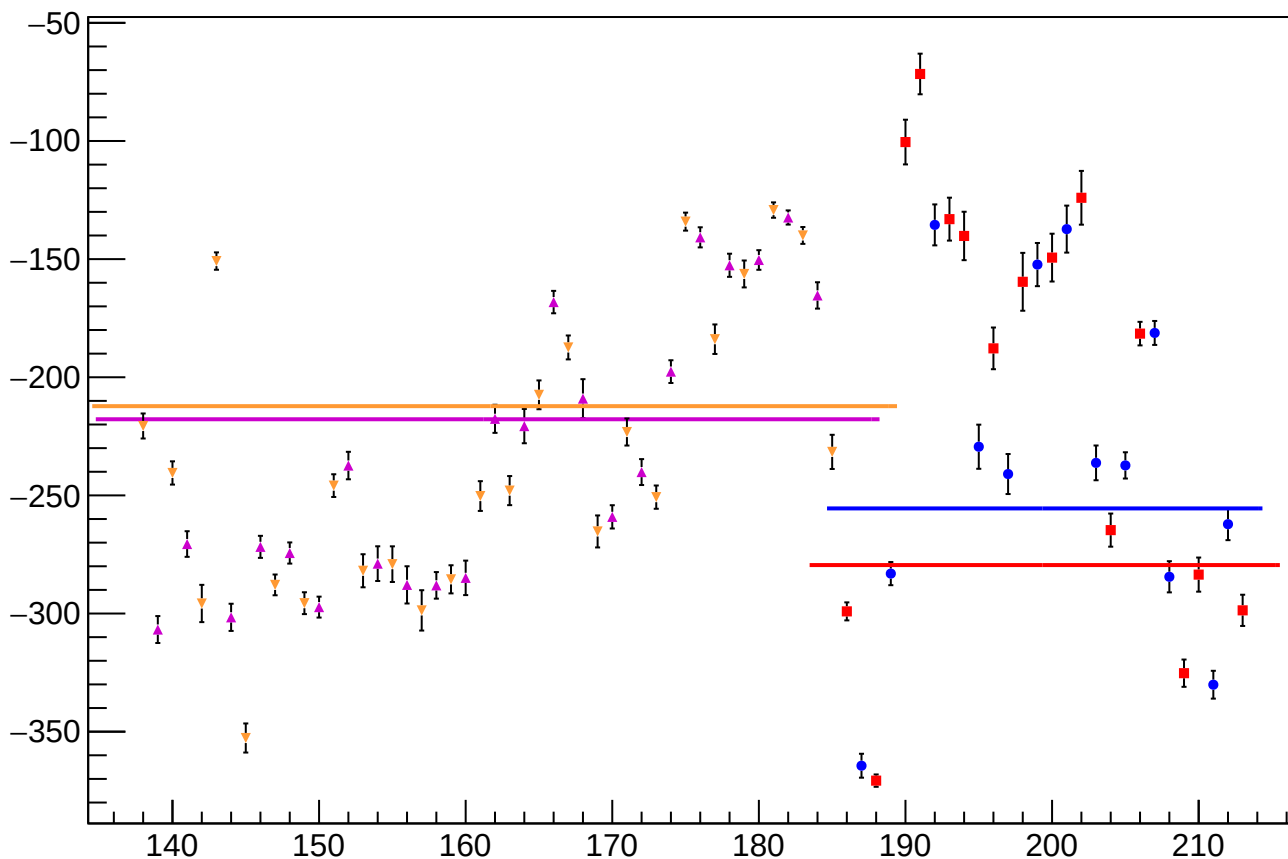
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.588 $\pm$ 0.011 χ^2 /NDF: 979928.1/54

All: 2.904 $\pm$ 0.007 χ^2 /NDF: 1820796.6/111

- sign 3.221 $\pm$ 0.011 χ^2 /NDF: 839062.1/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -255.516 $\pm$ 1.811 χ^2 /NDF: 1378.5/12

Left Out: -212.231 $\pm$ 1.029 χ^2 /NDF:3875.4/24

Right Out: -279.490 $\pm$ 1.522 χ^2 /NDF: 3652.1/14

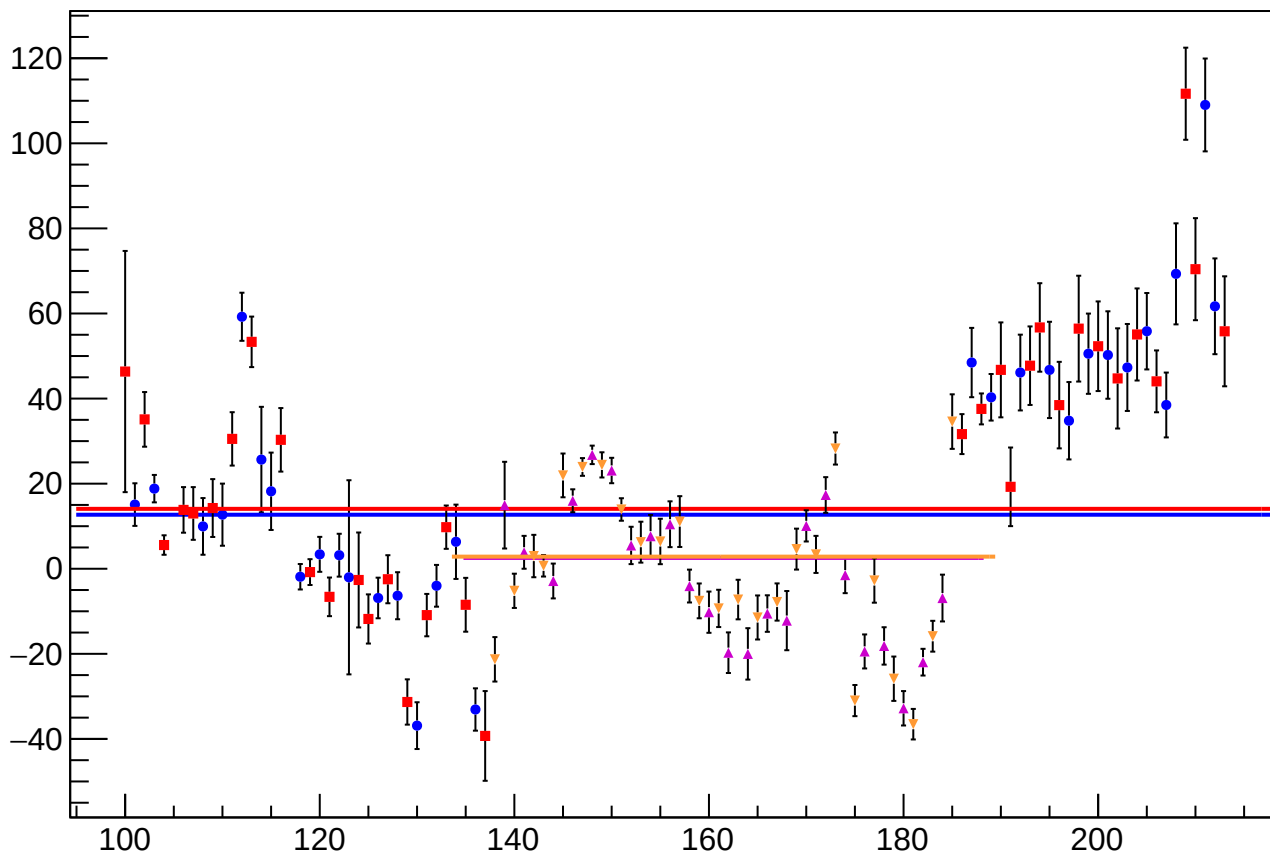
Left In: -217.779 $\pm$ 1.067 χ^2 /NDF:3448.9/22

+ sign -222.800 $\pm$ 0.895 χ^2 /NDF: 5685.6/37

All: -230.636 $\pm$ 0.625 χ^2 /NDF: 14038.4/75

- sign -238.103 $\pm$ 0.874 χ^2 /NDF: 8203.1/37

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 12.698 $\pm$ 1.112 χ^2 /NDF: 581.6/29

Left Out: 2.848 $\pm$ 0.775 χ^2 /NDF:582.1/24

Right Out: 14.081 $\pm$ 1.006 χ^2 /NDF: 570.8/33

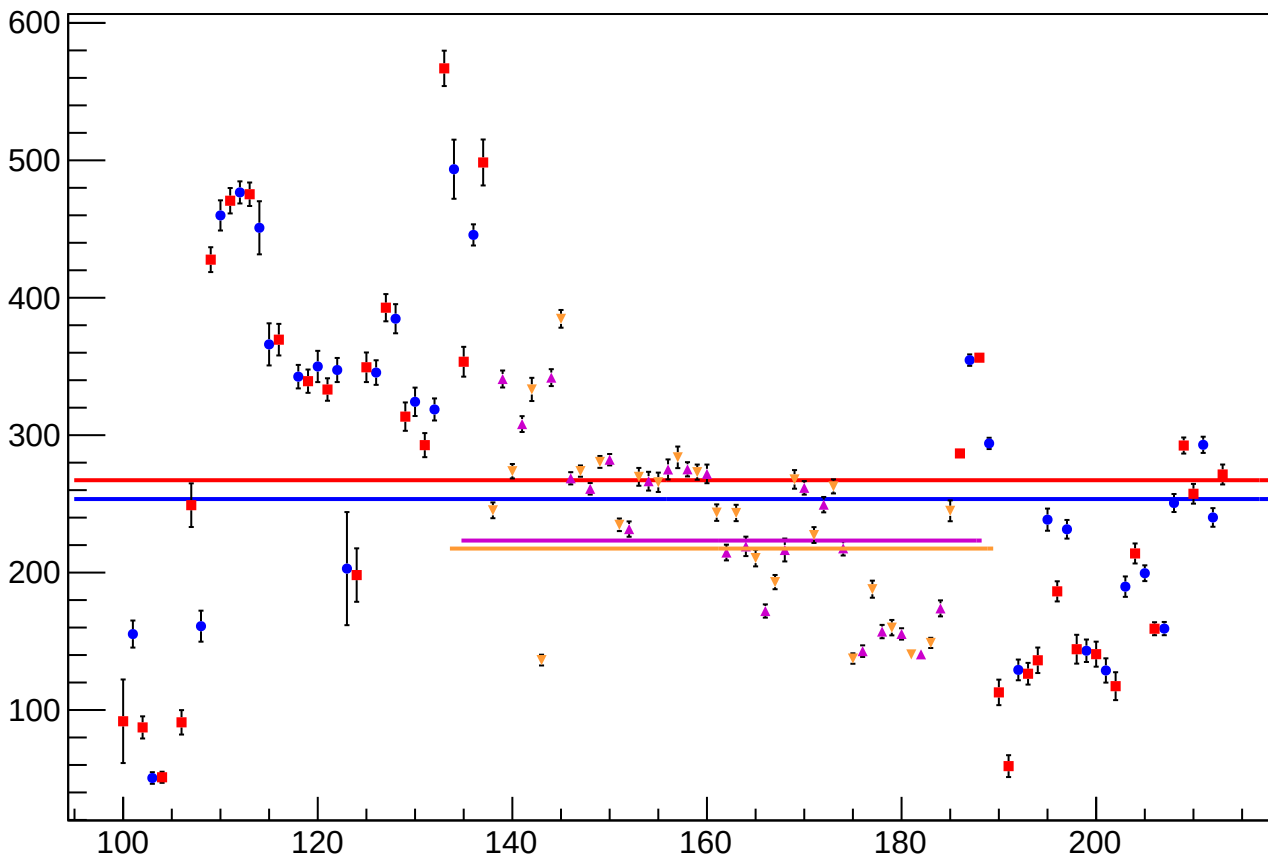
Left In: 2.540 $\pm$ 0.822 χ^2 /NDF:473.6/22

+ sign 6.066 $\pm$ 0.636 χ^2 /NDF: 1216.6/54

All: 6.614 $\pm$ 0.450 χ^2 /NDF: 2341.4/111

- sign 7.164 $\pm$ 0.637 χ^2 /NDF: 1123.3/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 253.513 ± 1.325 $\chi^2/\text{NDF}: 7117.8/29$

Left Out: 217.484 ± 1.032 $\chi^2/\text{NDF}: 3769.5/24$

Right Out: 267.219 ± 1.117 $\chi^2/\text{NDF}: 11052.1/33$

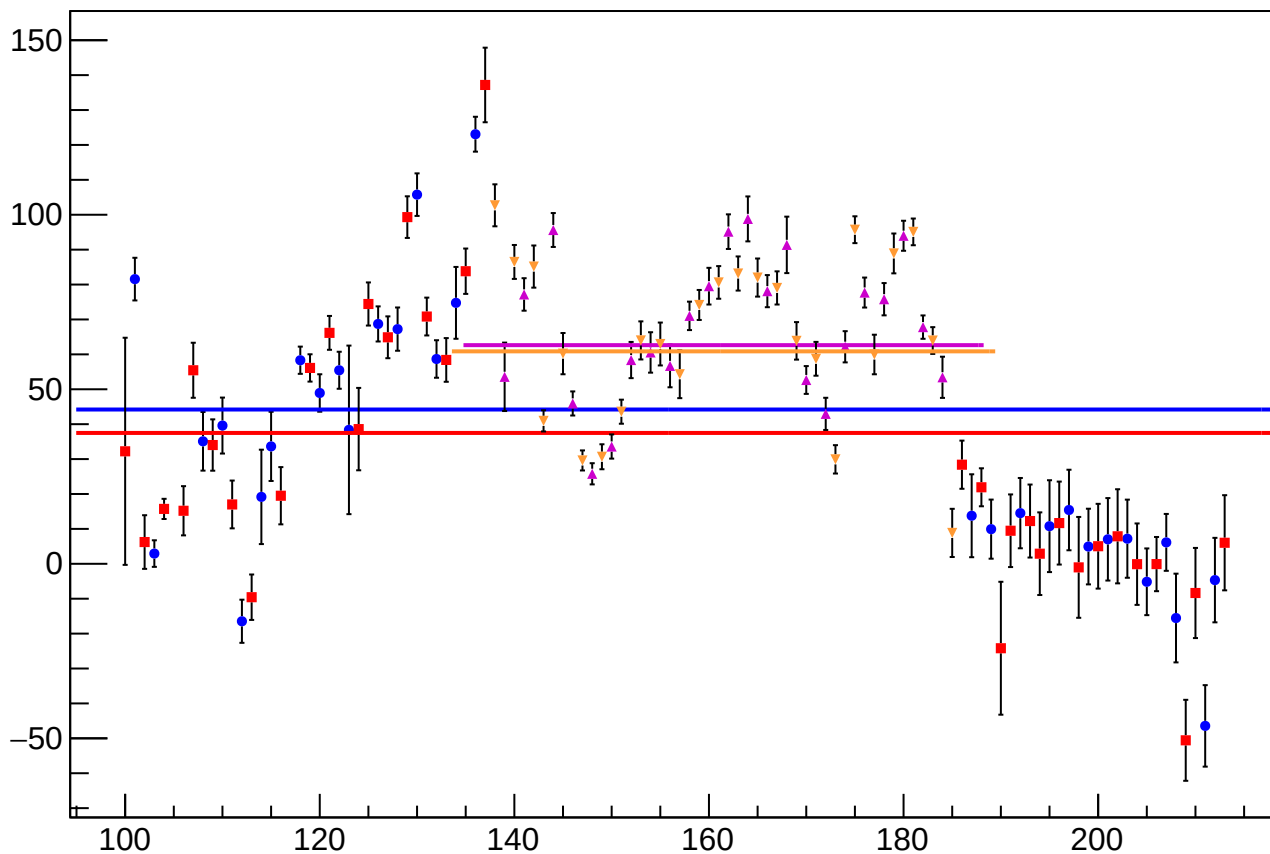
Left In: 223.309 ± 1.062 $\chi^2/\text{NDF}: 3378.0/22$

+ sign 231.098 ± 0.814 $\chi^2/\text{NDF}: 11347.5/54$

All: 237.991 ± 0.559 $\chi^2/\text{NDF}: 26724.9/111$

- sign 244.150 ± 0.770 $\chi^2/\text{NDF}: 15241.7/56$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 44.201 $\pm$ 1.295 χ^2 /NDF: 906.0/29

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 37.490 $\pm$ 1.203 χ^2 /NDF: 738.7/33

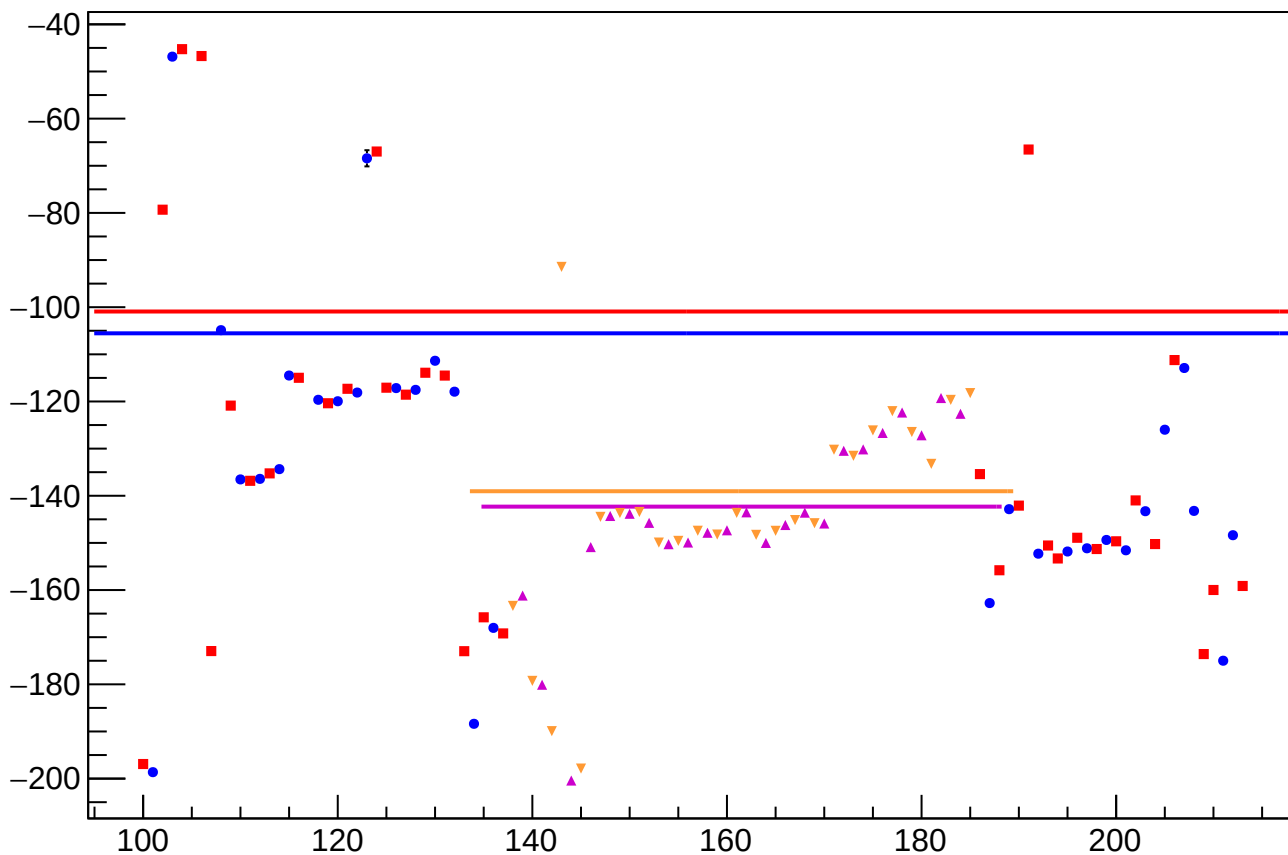
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 55.466 $\pm$ 0.737 χ^2 /NDF: 1749.5/54

All: 54.275 $\pm$ 0.523 χ^2 /NDF: 3279.8/111

- sign 53.069 $\pm$ 0.742 χ^2 /NDF: 1525.0/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -105.541+/-0.058 χ^2 /NDF: 722128.4/29

Left Out: -139.040+/-0.043 χ^2 /NDF: 258113.4/24

Right Out: -100.915+/-0.054 χ^2 /NDF: 764581.0/33

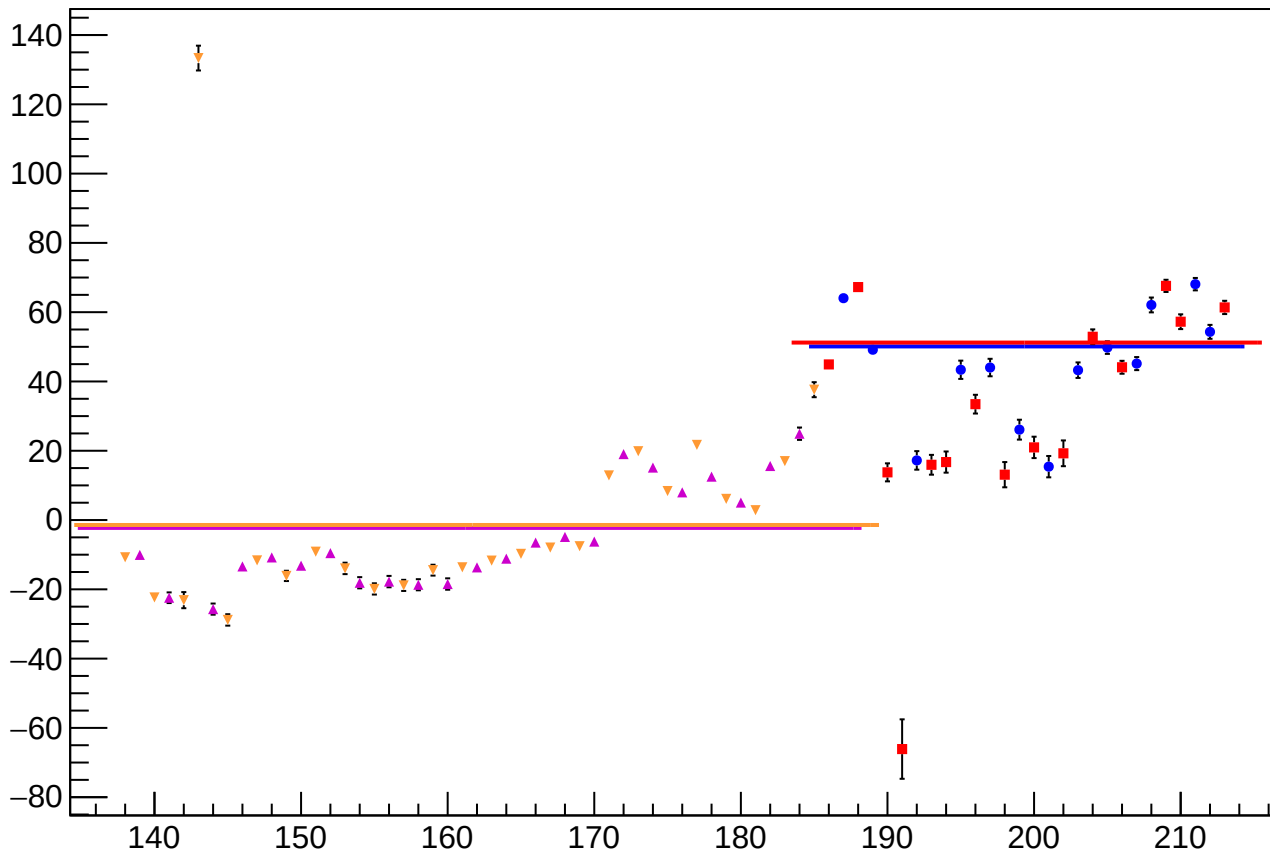
Left In: -142.305+/-0.044 χ^2 /NDF: 143351.8/22

+ sign -127.127+/-0.034 χ^2 /NDF: 1197380.6/54

All: -126.522+/-0.024 χ^2 /NDF: 2454951.5/11

- sign -125.922+/-0.034 χ^2 /NDF: 1256954.7/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 50.115 $\pm$ 0.558 χ^2 /NDF: 613.0/12

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 51.229 $\pm$ 0.443 χ^2 /NDF: 1615.1/14

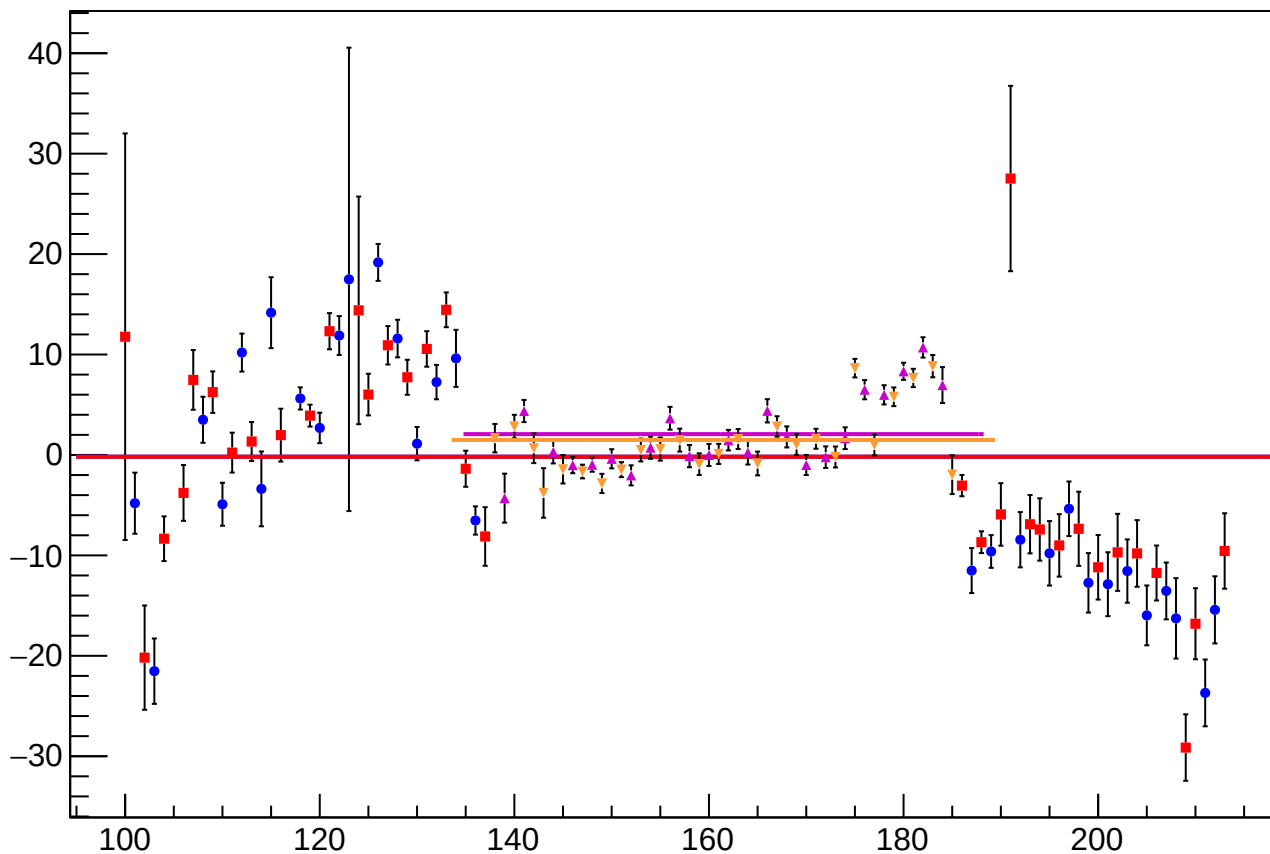
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 8.221 $\pm$ 0.241 χ^2 /NDF: 11894.5/37

All: 10.349 $\pm$ 0.167 χ^2 /NDF: 26814.1/75

- sign 12.299 $\pm$ 0.231 χ^2 /NDF: 14770.5/37

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.172 ± 0.401 χ^2/NDF : 638.1/29

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: -0.175 ± 0.369 χ^2/NDF : 544.3/33

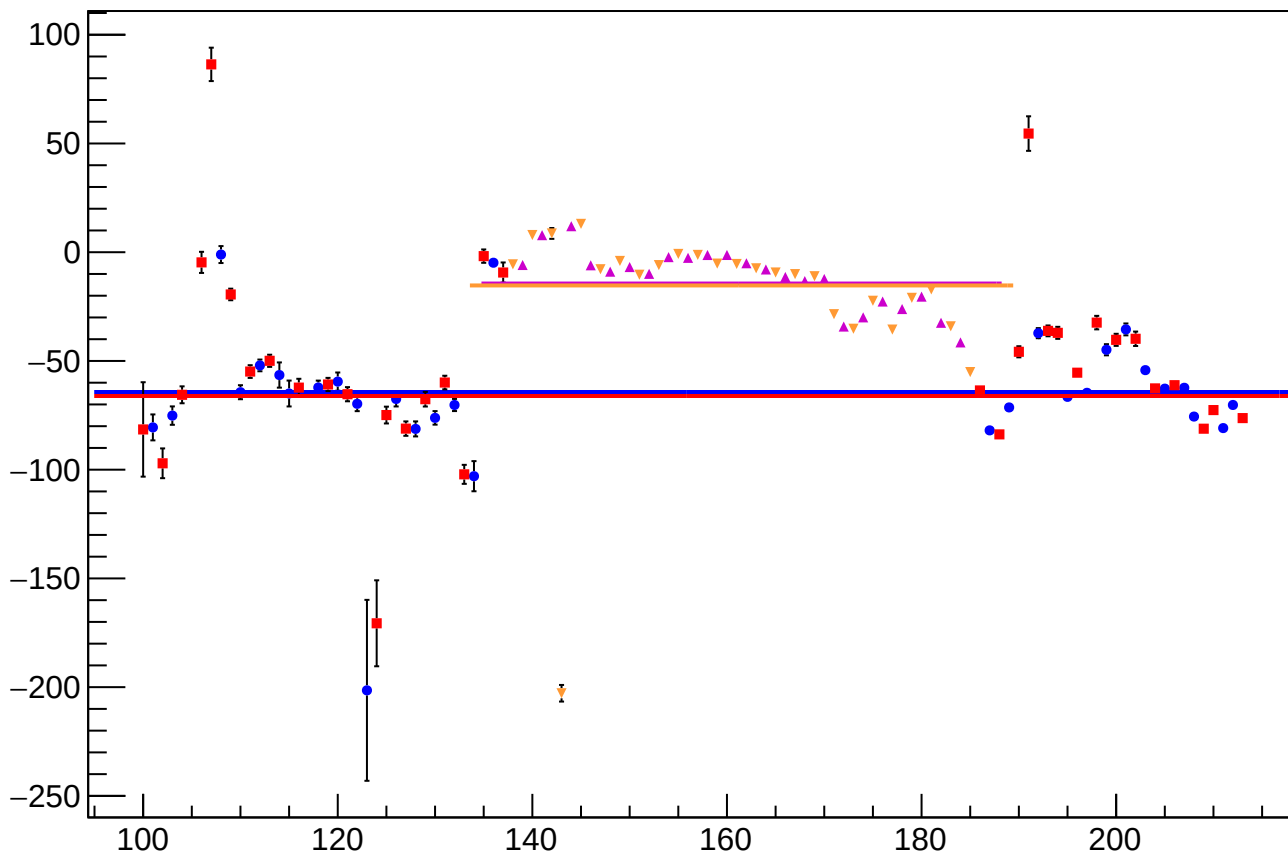
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.132 ± 0.186 χ^2/NDF : 910.7/54

All: 1.318 ± 0.132 χ^2/NDF : 1759.2/111

- sign 1.503 ± 0.186 χ^2/NDF : 846.5/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -64.279+/-0.437 χ^2/NDF : 1863.7/29

Left Out: -15.279+/-0.267 χ^2/NDF : 4820.1/24

Right Out: -66.112+/-0.347 χ^2/NDF : 3420.5/33

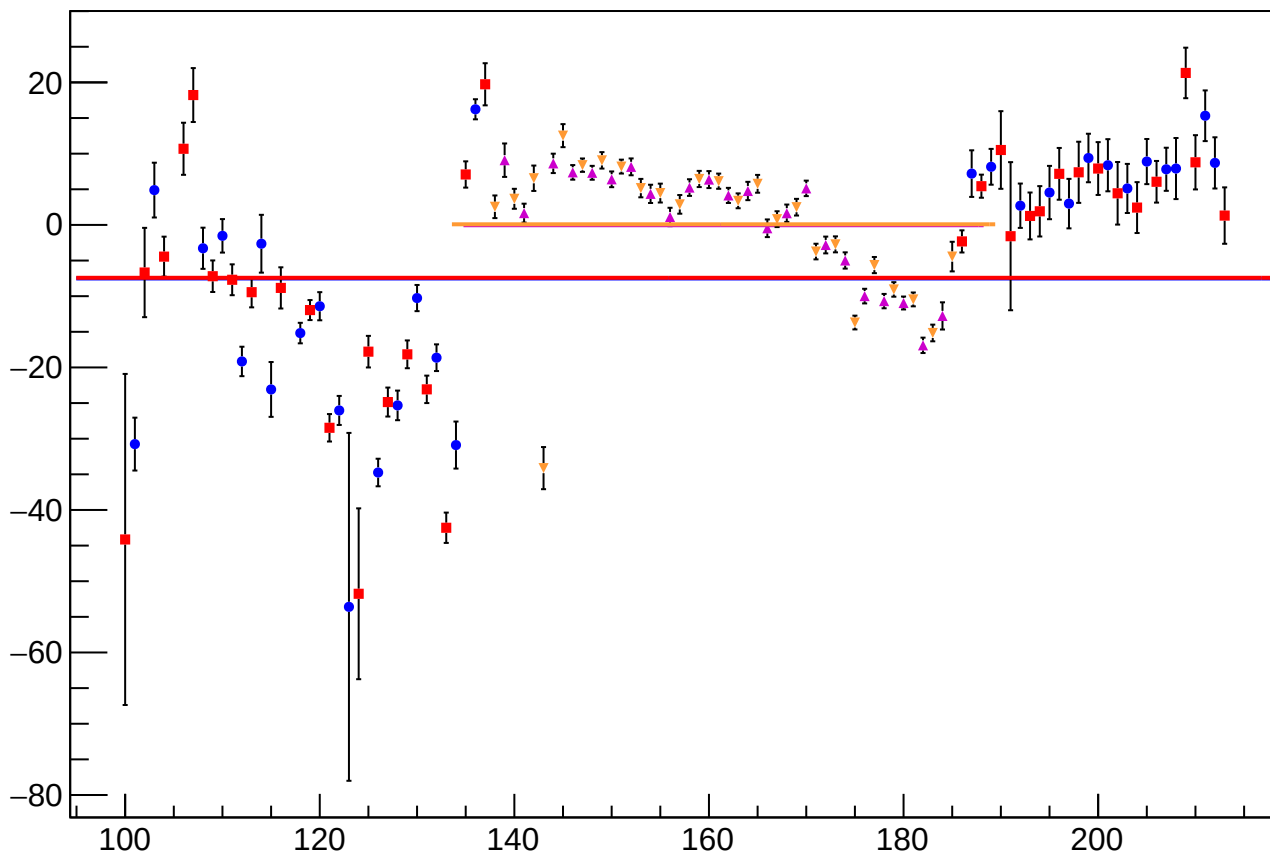
Left In: -14.406+/-0.269 χ^2/NDF : 2032.4/22

+ sign -28.567+/-0.228 χ^2/NDF : 15831.4/54

All: -31.363+/-0.155 χ^2/NDF : 35415.5/111

- sign -33.803+/-0.213 χ^2/NDF : 19301.9/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -7.515 ± 0.465 χ^2/NDF : 1142.4/29

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -7.421 ± 0.442 χ^2/NDF : 1097.3/33

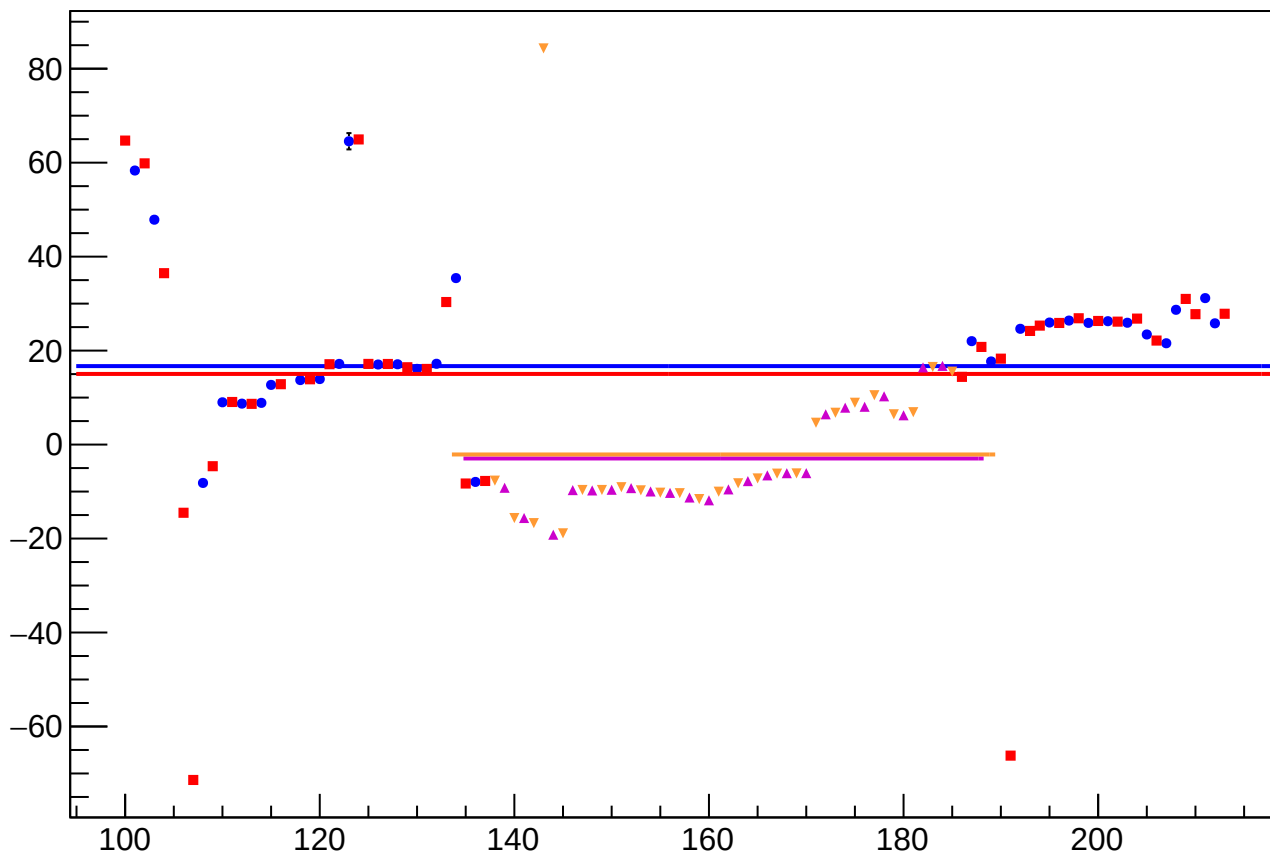
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.496 ± 0.212 χ^2/NDF : 2526.7/54

All: -1.626 ± 0.150 χ^2/NDF : 4866.9/111

- sign -1.757 ± 0.213 χ^2/NDF : 2339.4/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 16.701+/-0.023 χ^2/NDF : 486136.0/29

Left Out: -2.105+/-0.011 χ^2/NDF : 1093120.2/24

Right Out: 15.034+/-0.022 χ^2/NDF : 767603.3/33

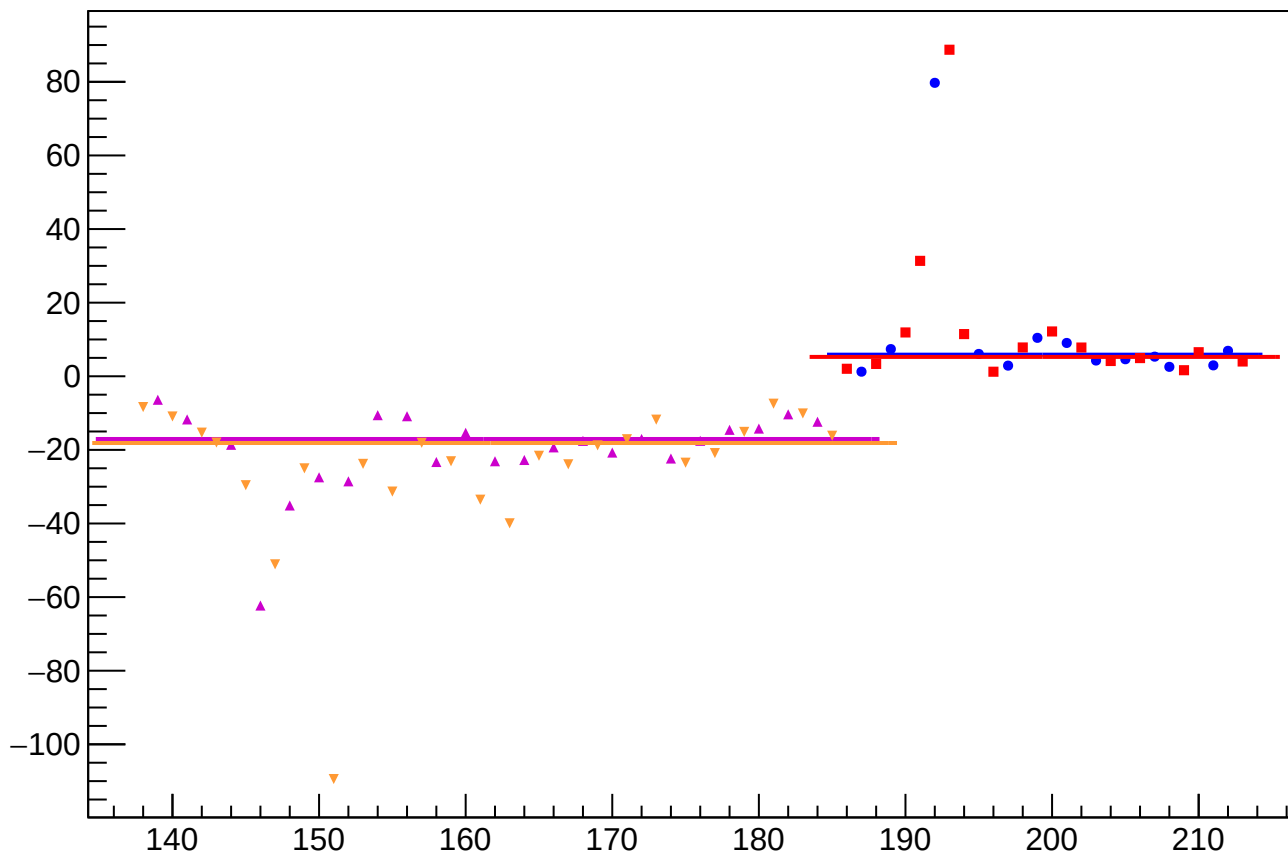
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign 1.361+/-0.010 χ^2/NDF : 2125699.0/54

All: 0.945+/-0.007 χ^2/NDF : 4178136.6/111

- sign 0.527+/-0.010 χ^2/NDF : 2048869.4/56

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 5.871 ± 0.053 $\chi^2/\text{NDF}: 26285.3/12$

Left Out: -18.128 ± 0.039 $\chi^2/\text{NDF}: 88551.6/24$

Right Out: 5.262 ± 0.049 $\chi^2/\text{NDF}: 26884.2/14$

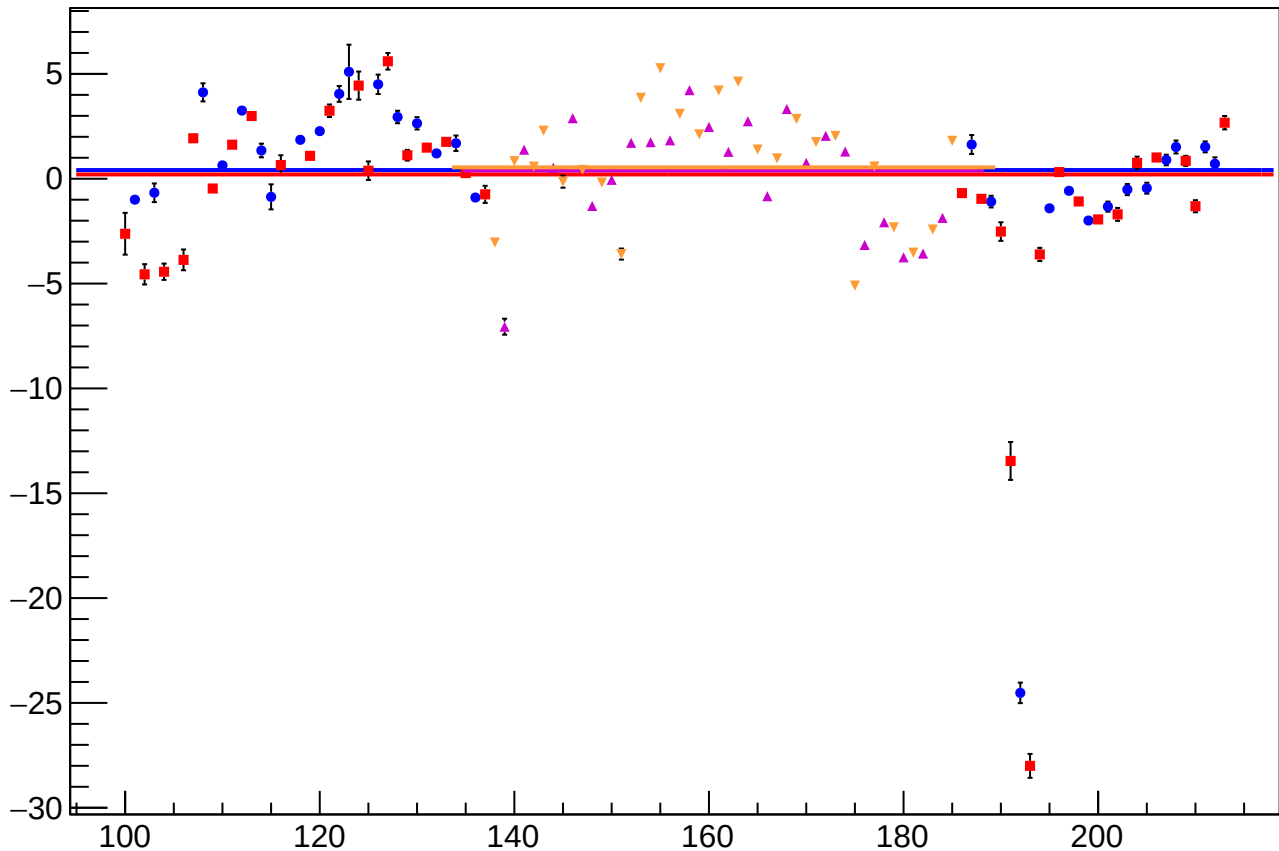
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -9.636 ± 0.031 $\chi^2/\text{NDF}: 249421.4/37$

All: -9.159 ± 0.022 $\chi^2/\text{NDF}: 448420.8/75$

- sign -8.714 ± 0.030 $\chi^2/\text{NDF}: 198549.6/37$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.414 ± 0.047 $\chi^2/\text{NDF}: 3860.4/29$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.205 ± 0.044 $\chi^2/\text{NDF}: 4359.3/33$

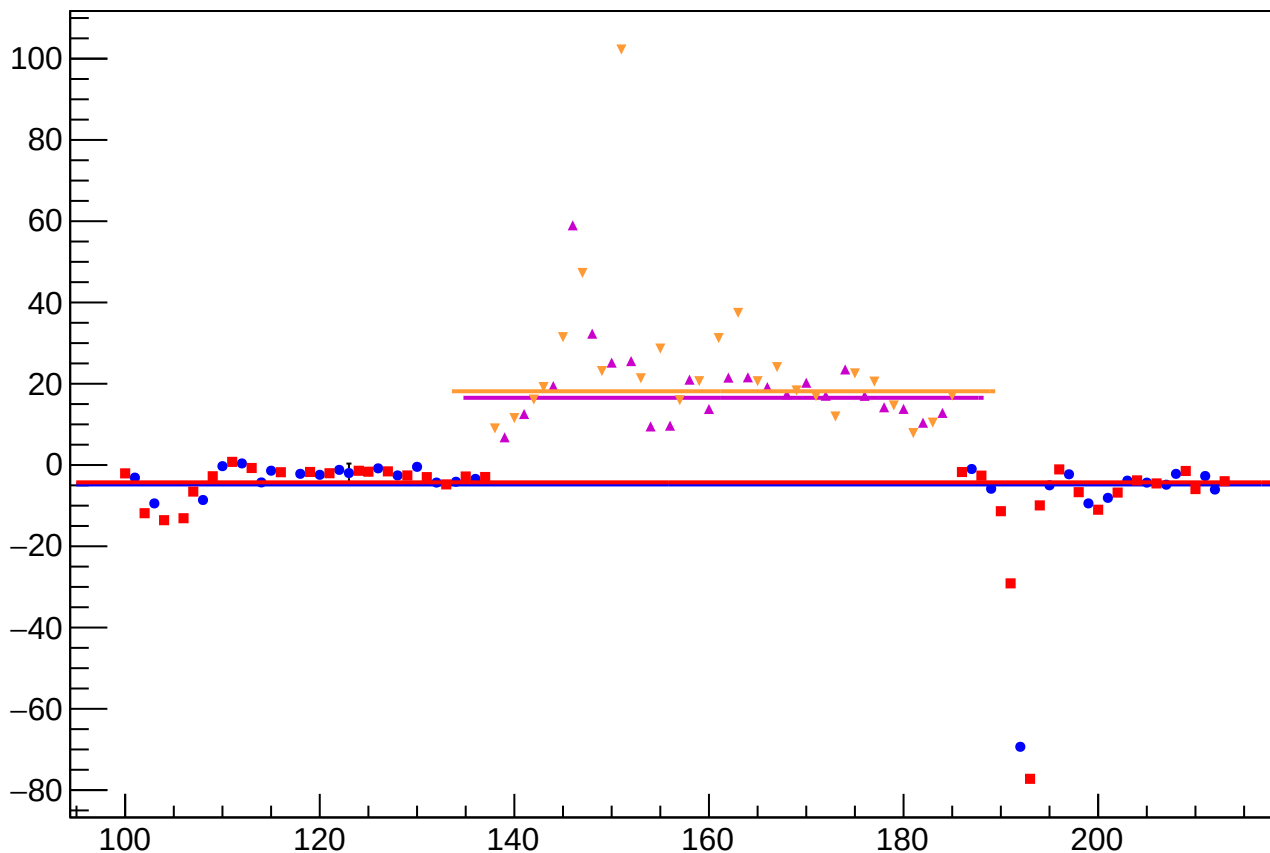
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.501 ± 0.027 $\chi^2/\text{NDF}: 10950.9/54$

All: 0.413 ± 0.018 $\chi^2/\text{NDF}: 21579.2/111$

- sign 0.335 ± 0.025 $\chi^2/\text{NDF}: 10607.6/56$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -4.783 ± 0.045 $\chi^2/\text{NDF}: 27241.3/29$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.262 ± 0.041 $\chi^2/\text{NDF}: 28233.6/33$

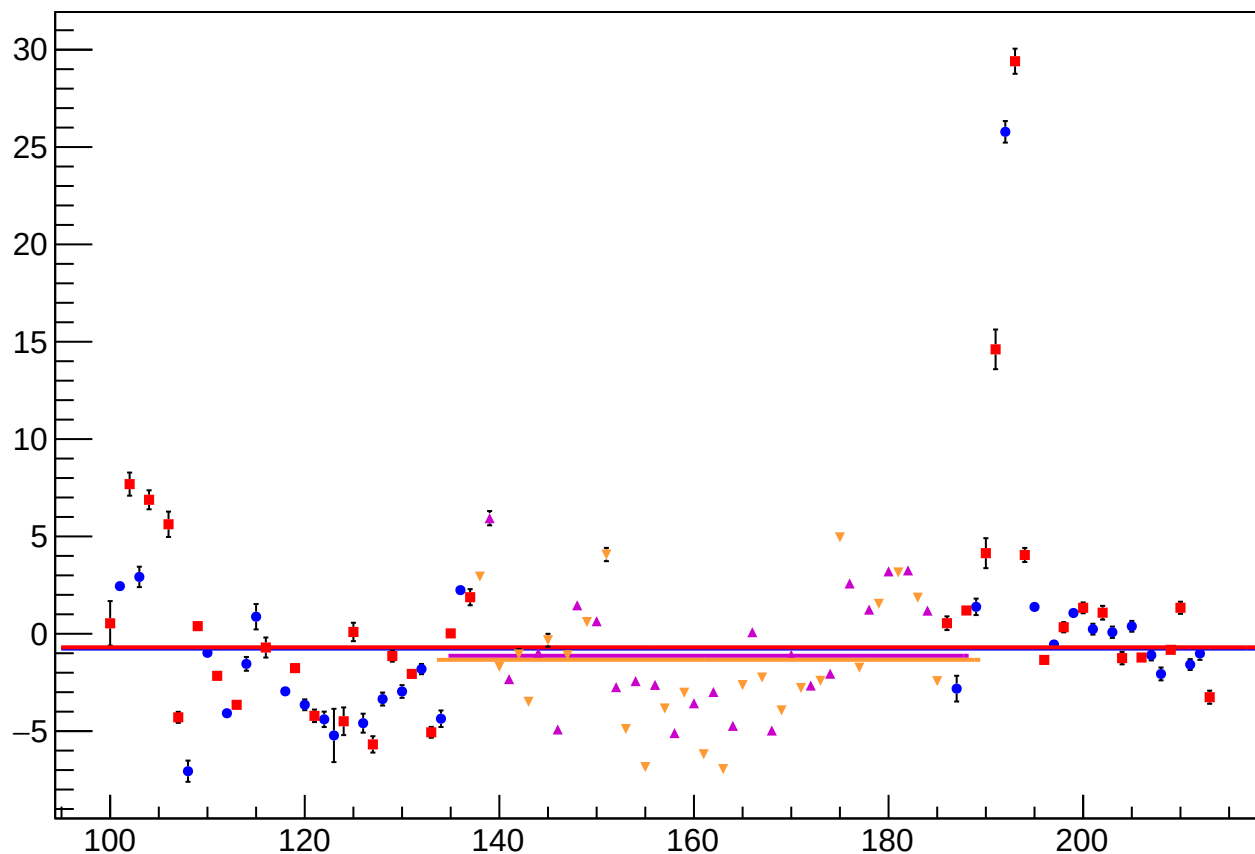
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 8.260 ± 0.029 $\chi^2/\text{NDF}: 253483.6/54$

All: 7.578 ± 0.020 $\chi^2/\text{NDF}: 463234.0/111$

- sign 6.973 ± 0.028 $\chi^2/\text{NDF}: 208740.0/56$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.761 ± 0.054 χ^2/NDF : 3941.6/29

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.695 ± 0.051 χ^2/NDF : 4575.5/33

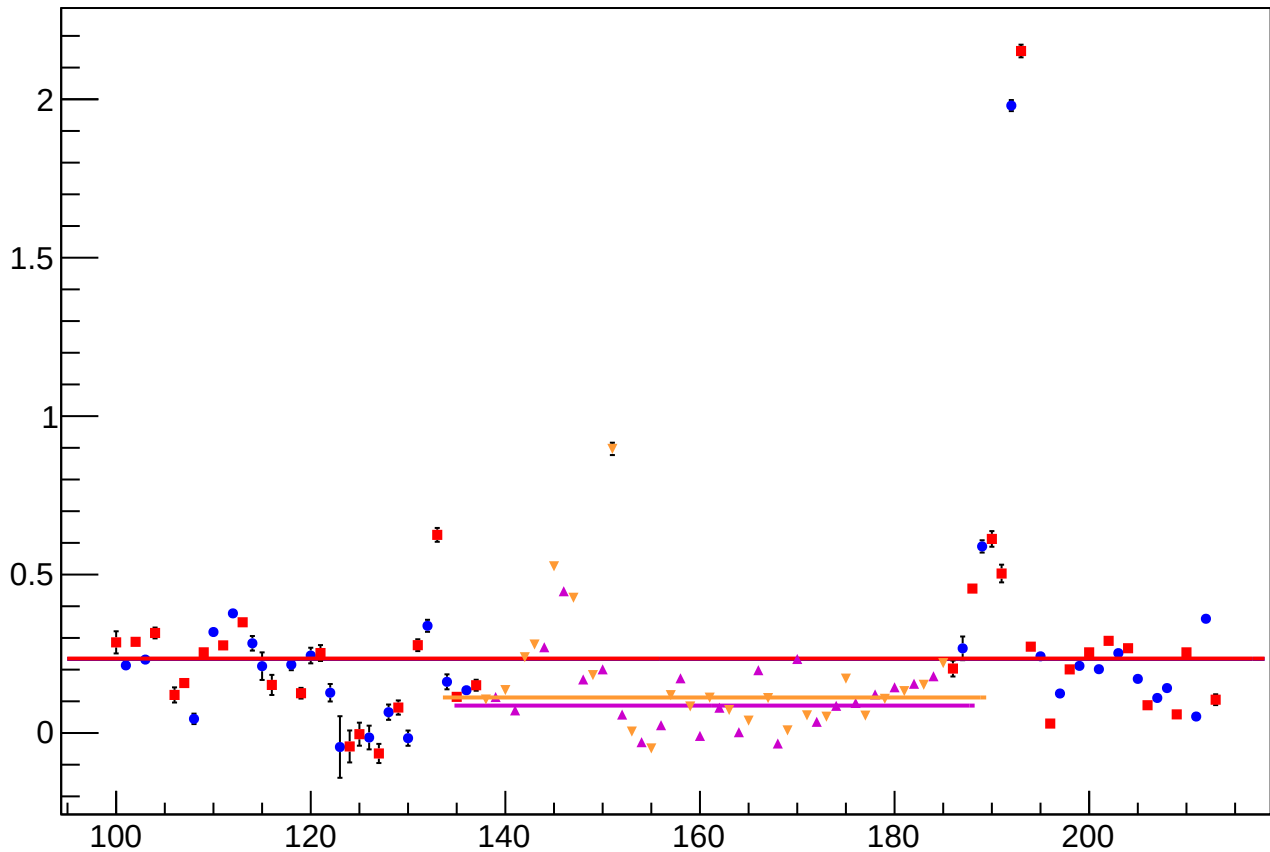
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.161 ± 0.030 χ^2/NDF : 11963.9/54

All: -1.074 ± 0.021 χ^2/NDF : 23345.7/111

- sign -0.995 ± 0.028 χ^2/NDF : 11365.8/56

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.234 ± 0.002 χ^2/NDF : 11698.1/29

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.235 ± 0.002 χ^2/NDF : 12169.4/33

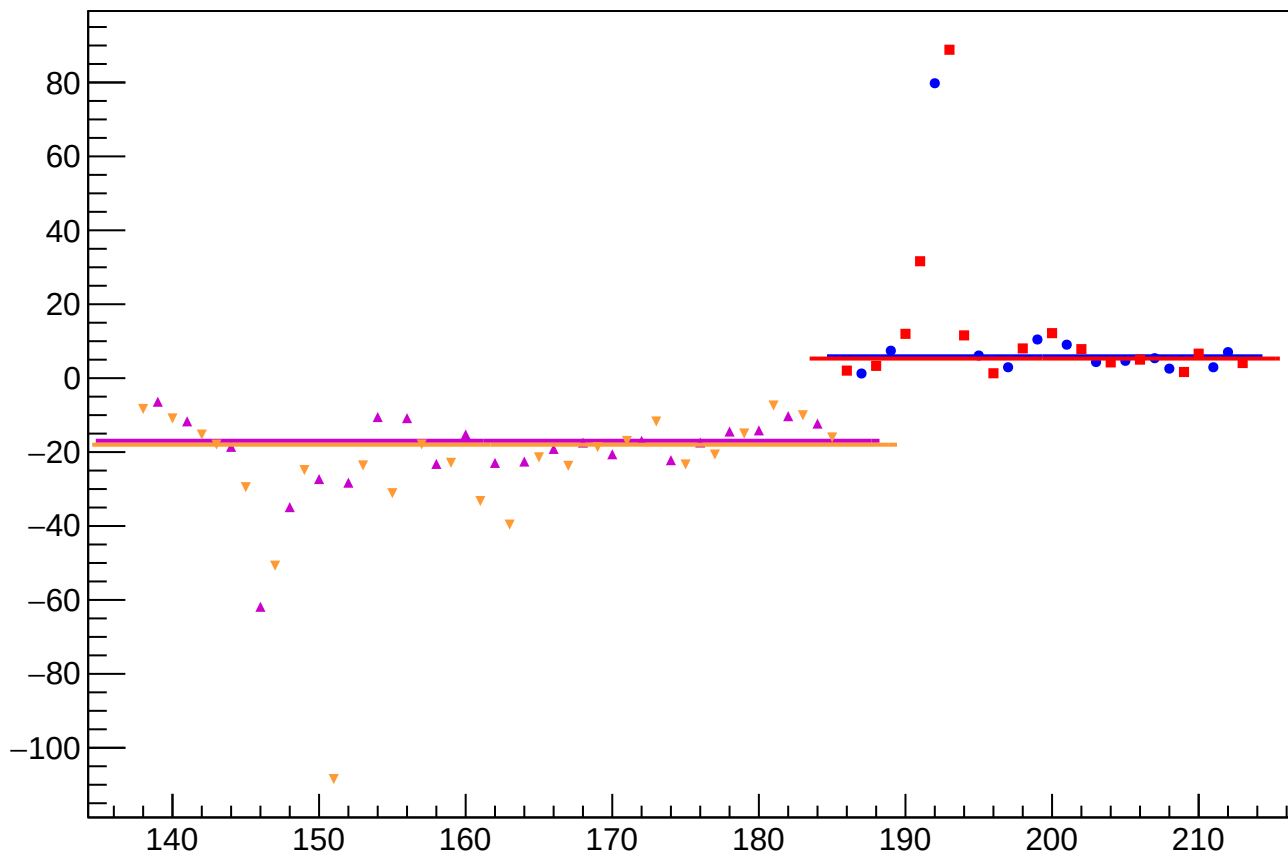
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.150 ± 0.001 χ^2/NDF : 17991.0/54

All: 0.140 ± 0.001 χ^2/NDF : 36818.5/111

- sign 0.130 ± 0.001 χ^2/NDF : 18713.9/56

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 5.916 ± 0.052 $\chi^2/\text{NDF}: 26501.8/12$

Left Out: -18.005 ± 0.039 $\chi^2/\text{NDF}: 88391.0/24$

Right Out: 5.304 ± 0.049 $\chi^2/\text{NDF}: 27239.6/14$

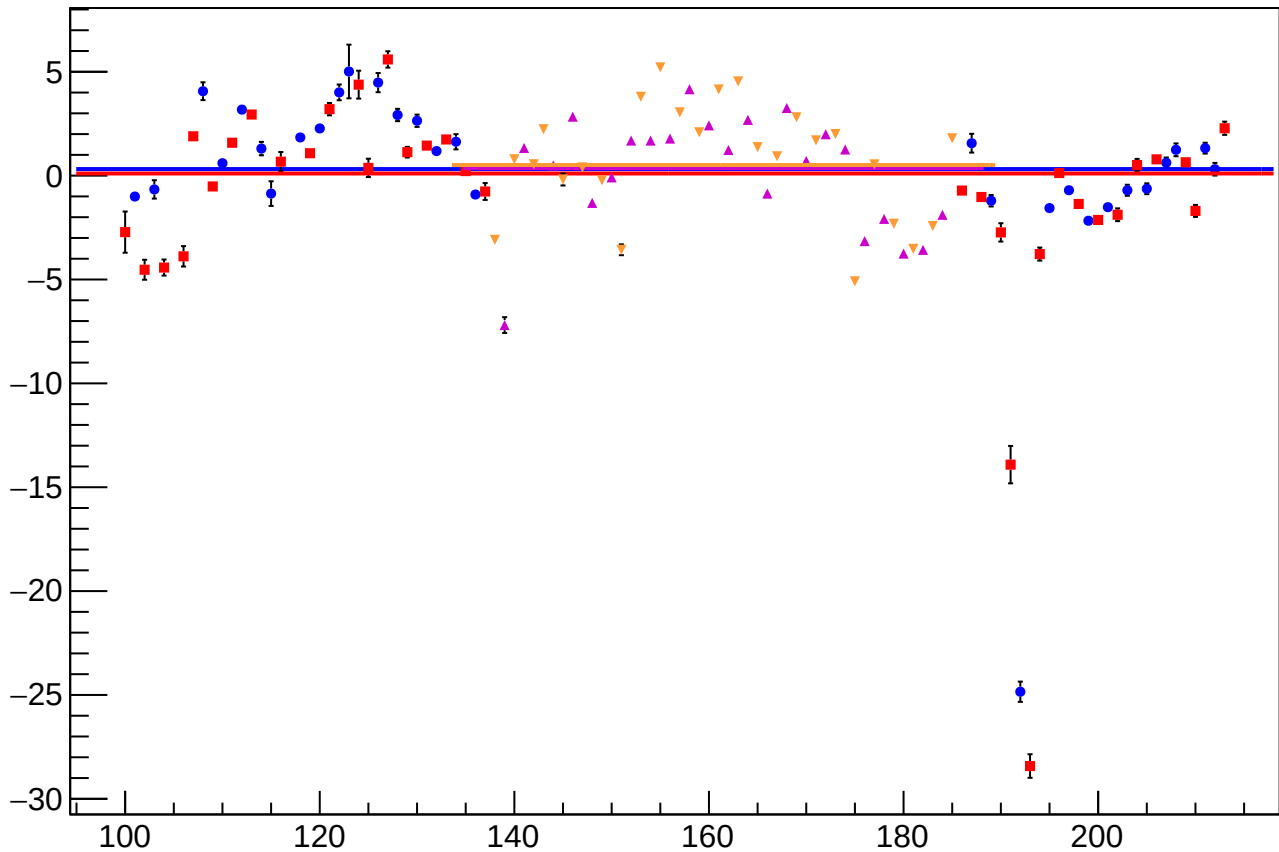
Left In: -16.934 ± 0.038 $\chi^2/\text{NDF}: 44060.6/22$

+ sign -9.572 ± 0.031 $\chi^2/\text{NDF}: 250000.6/37$

All: -9.087 ± 0.022 $\chi^2/\text{NDF}: 450225.7/75$

- sign -8.636 ± 0.030 $\chi^2/\text{NDF}: 199755.9/37$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.317 ± 0.047 χ^2/NDF : 3985.2/29

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.104 ± 0.044 χ^2/NDF : 4514.8/33

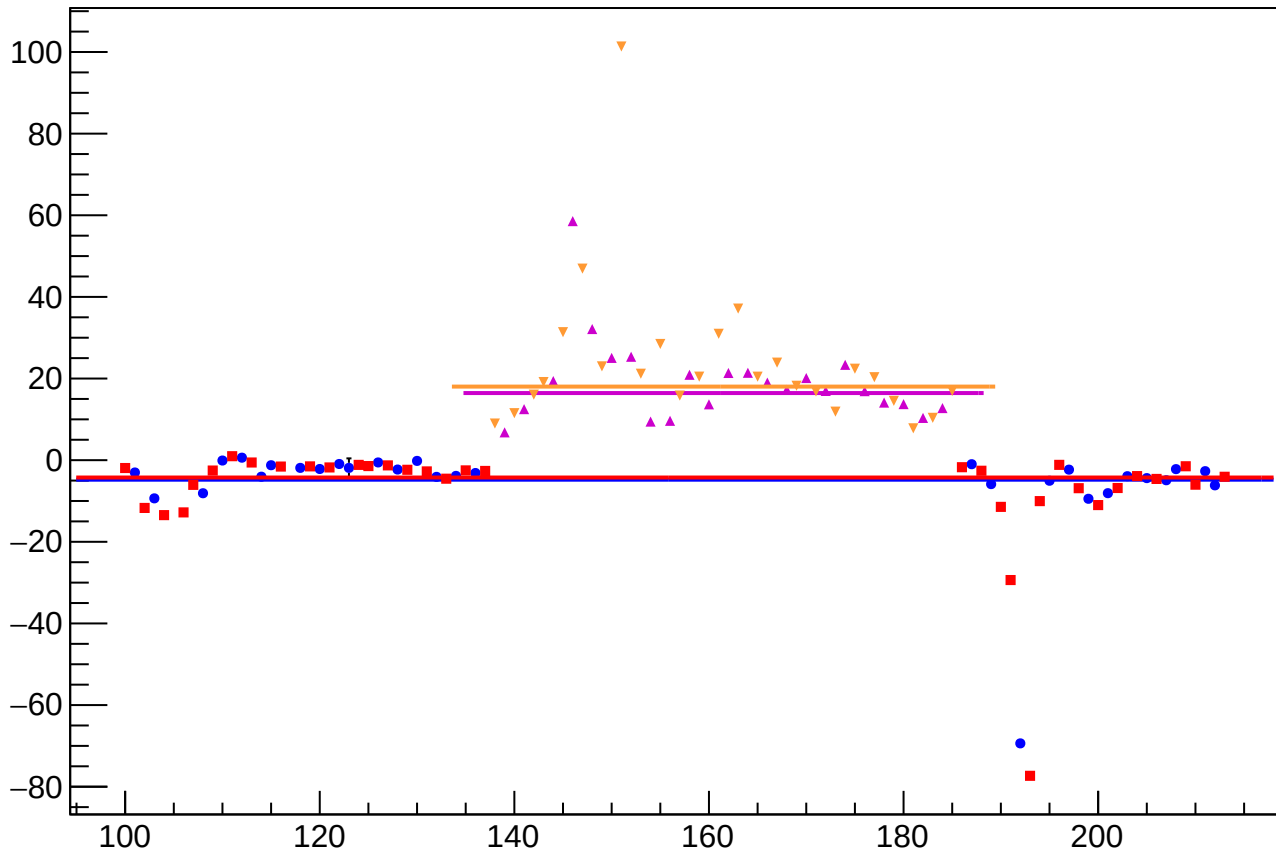
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.449 ± 0.026 χ^2/NDF : 11067.4/54

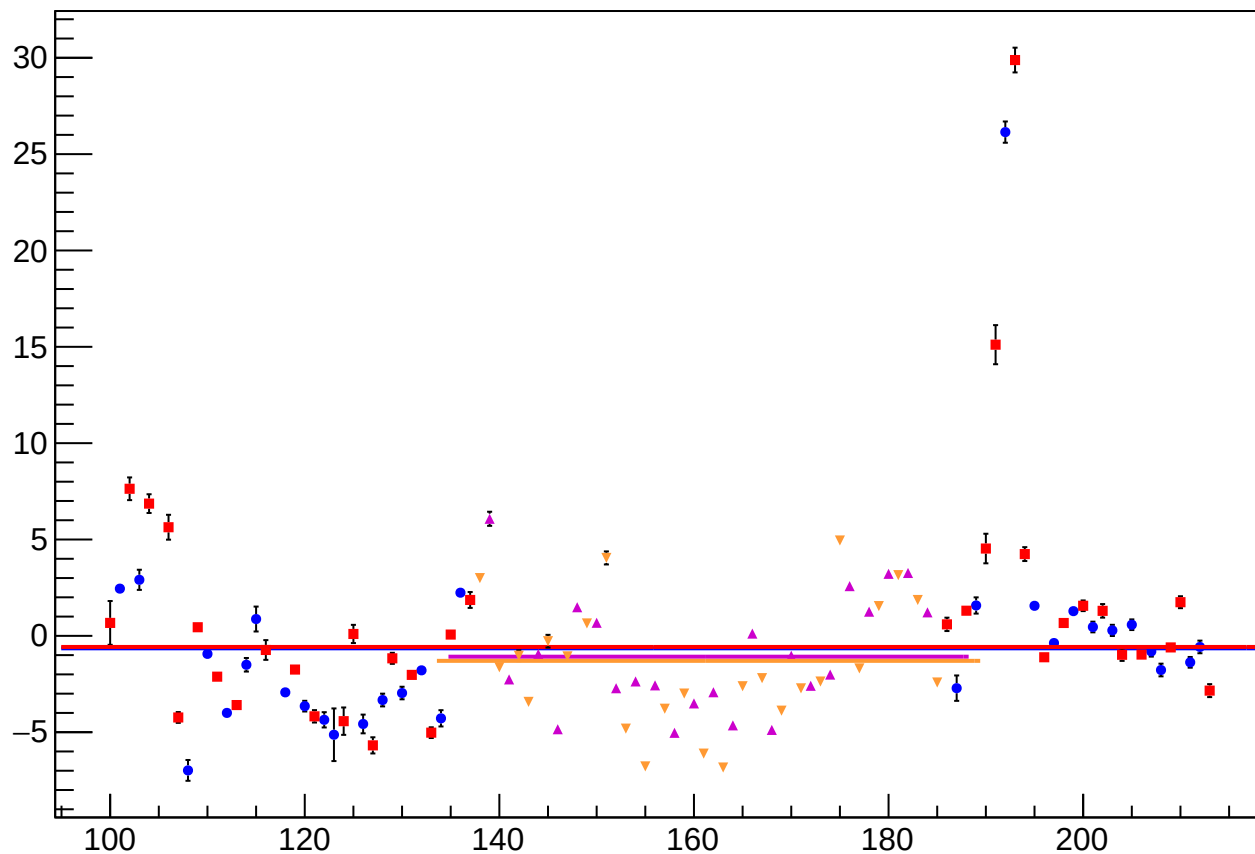
All: 0.358 ± 0.018 χ^2/NDF : 21848.5/111

- sign 0.277 ± 0.025 χ^2/NDF : 10758.8/56

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.647 ± 0.054 $\chi^2/\text{NDF}: 4044.7/29$

Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7925.1/24$

Right Out: -0.576 ± 0.051 $\chi^2/\text{NDF}: 4726.8/33$

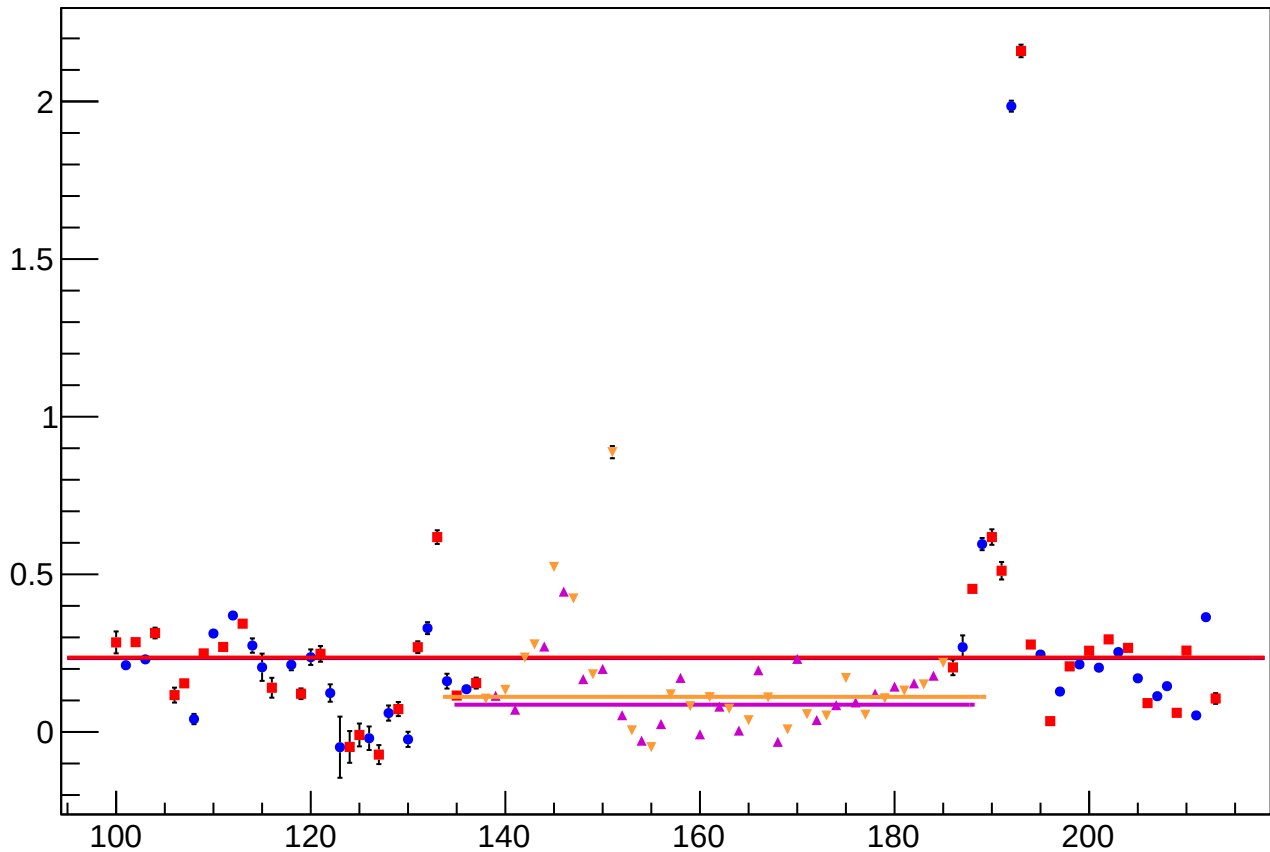
Left In: -1.082 ± 0.034 $\chi^2/\text{NDF}: 6724.1/22$

+ sign -1.098 ± 0.030 $\chi^2/\text{NDF}: 12071.5/54$

All: -1.008 ± 0.020 $\chi^2/\text{NDF}: 23608.5/111$

- sign -0.926 ± 0.028 $\chi^2/\text{NDF}: 11519.3/56$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.234 ± 0.002 χ^2/NDF : 11824.2/29

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.236 ± 0.002 χ^2/NDF : 12297.4/33

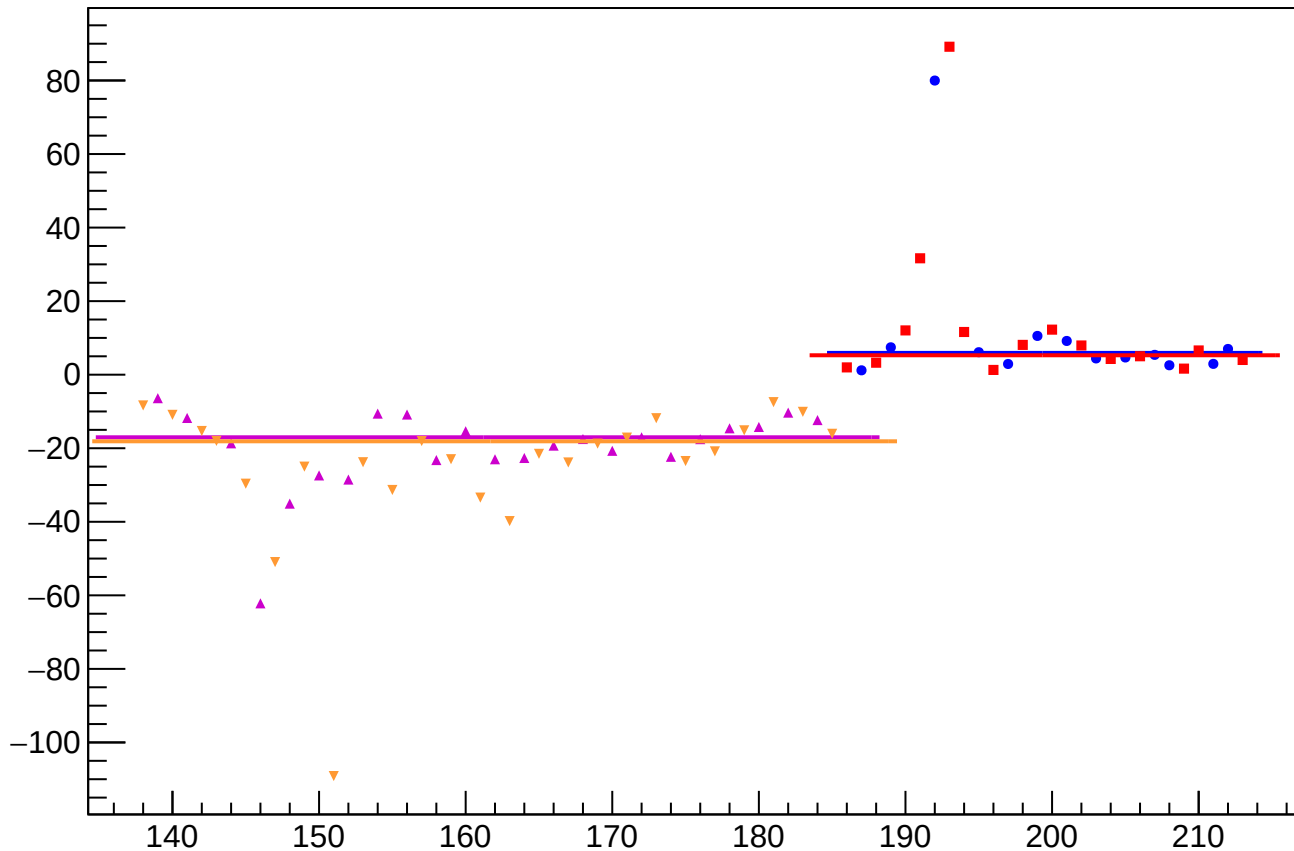
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.150 ± 0.001 χ^2/NDF : 18170.0/54

All: 0.140 ± 0.001 χ^2/NDF : 37165.0/111

- sign 0.131 ± 0.001 χ^2/NDF : 18887.3/56

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 5.924 ± 0.053 $\chi^2/\text{NDF}: 26490.4/12$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88529.7/24$

Right Out: 5.280 ± 0.049 $\chi^2/\text{NDF}: 27261.0/14$

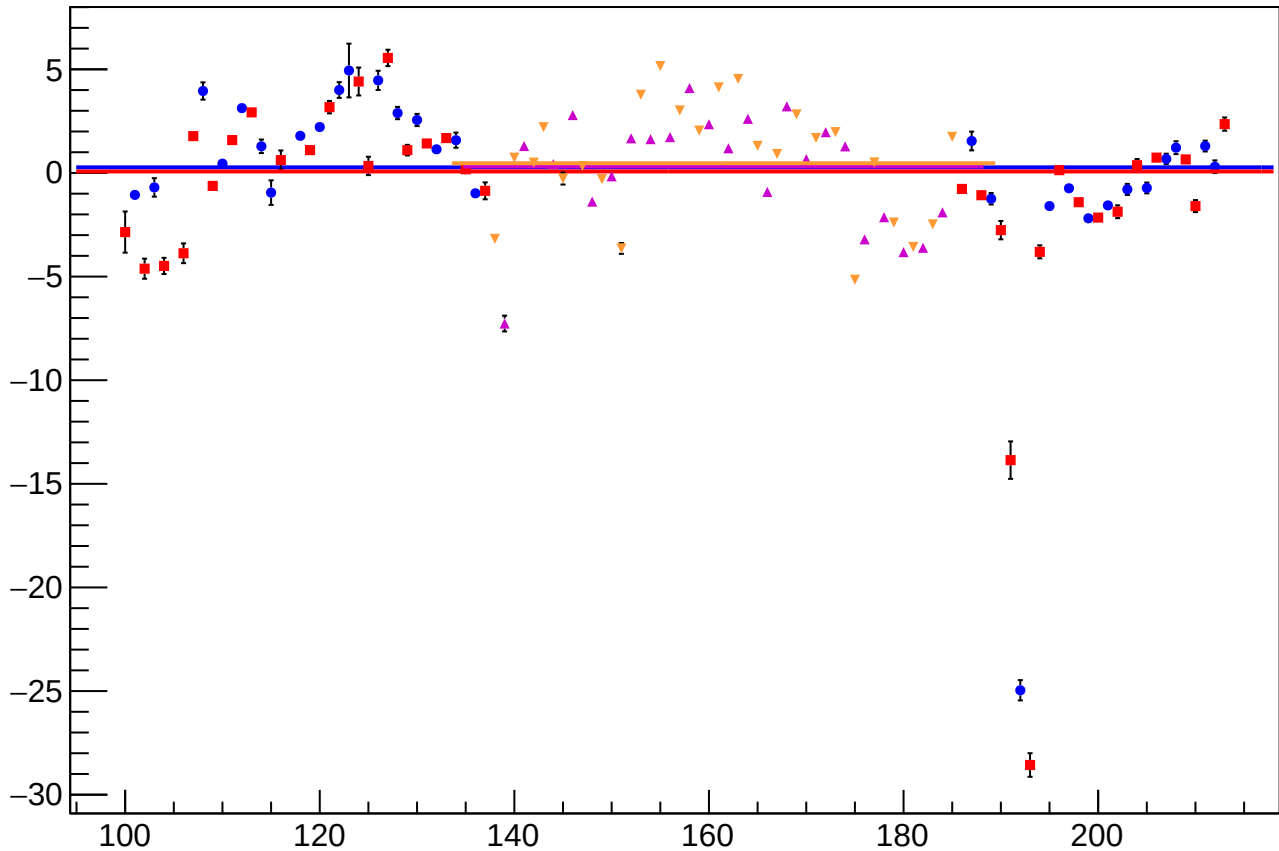
Left In: -17.024 ± 0.038 $\chi^2/\text{NDF}: 44141.8/22$

+ sign -9.666 ± 0.031 $\chi^2/\text{NDF}: 249841.5/37$

All: -9.170 ± 0.022 $\chi^2/\text{NDF}: 449830.6/75$

- sign -8.709 ± 0.030 $\chi^2/\text{NDF}: 199503.1/37$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.270 ± 0.047 $\chi^2/\text{NDF}: 3973.7/29$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.072 ± 0.044 $\chi^2/\text{NDF}: 4506.2/33$

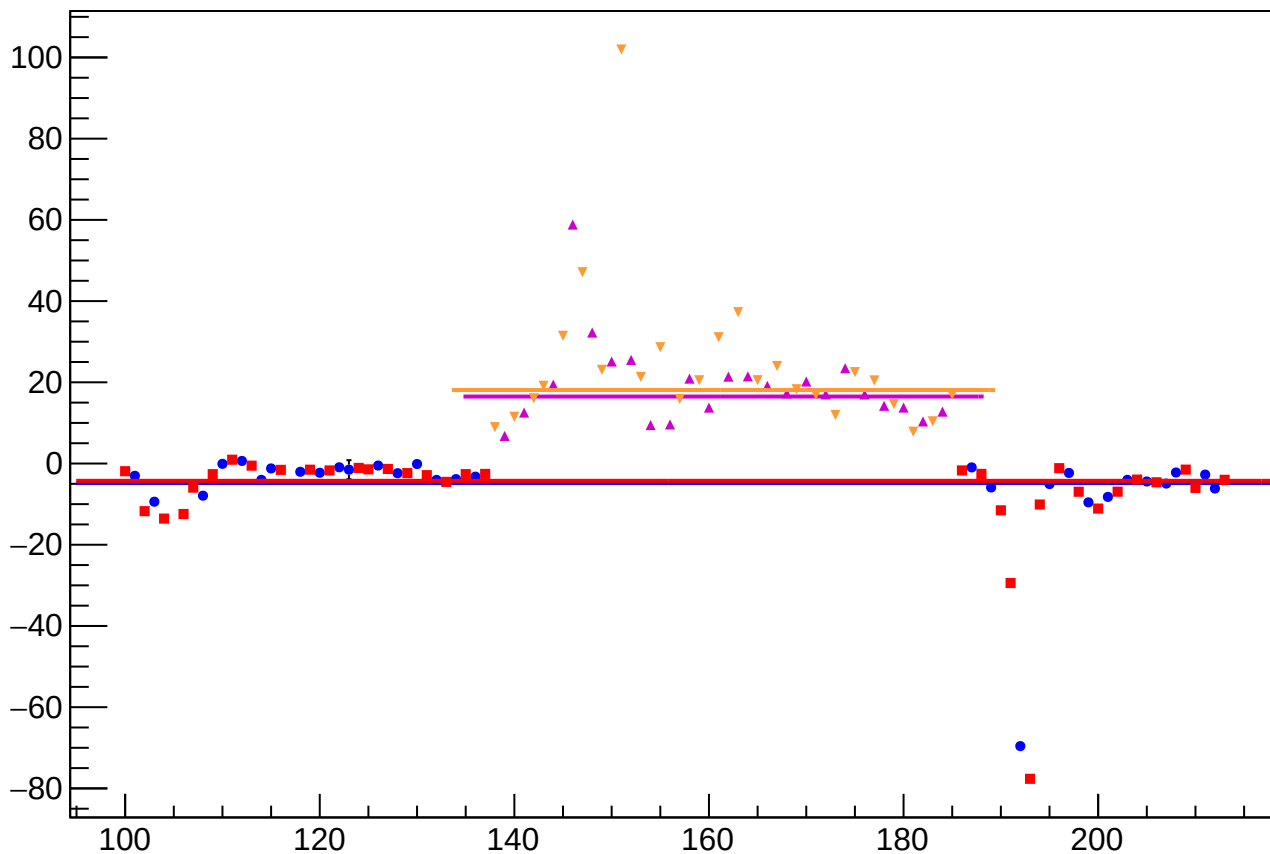
Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

+ sign 0.405 ± 0.027 $\chi^2/\text{NDF}: 11078.9/54$

All: 0.314 ± 0.018 $\chi^2/\text{NDF}: 21810.0/111$

- sign 0.233 ± 0.025 $\chi^2/\text{NDF}: 10709.0/56$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -4.812 ± 0.045 χ^2/NDF : 27555.9/29

Left Out: 18.101 ± 0.039 χ^2/NDF : 77839.7/24

Right Out: -4.258 ± 0.041 χ^2/NDF : 28707.1/33

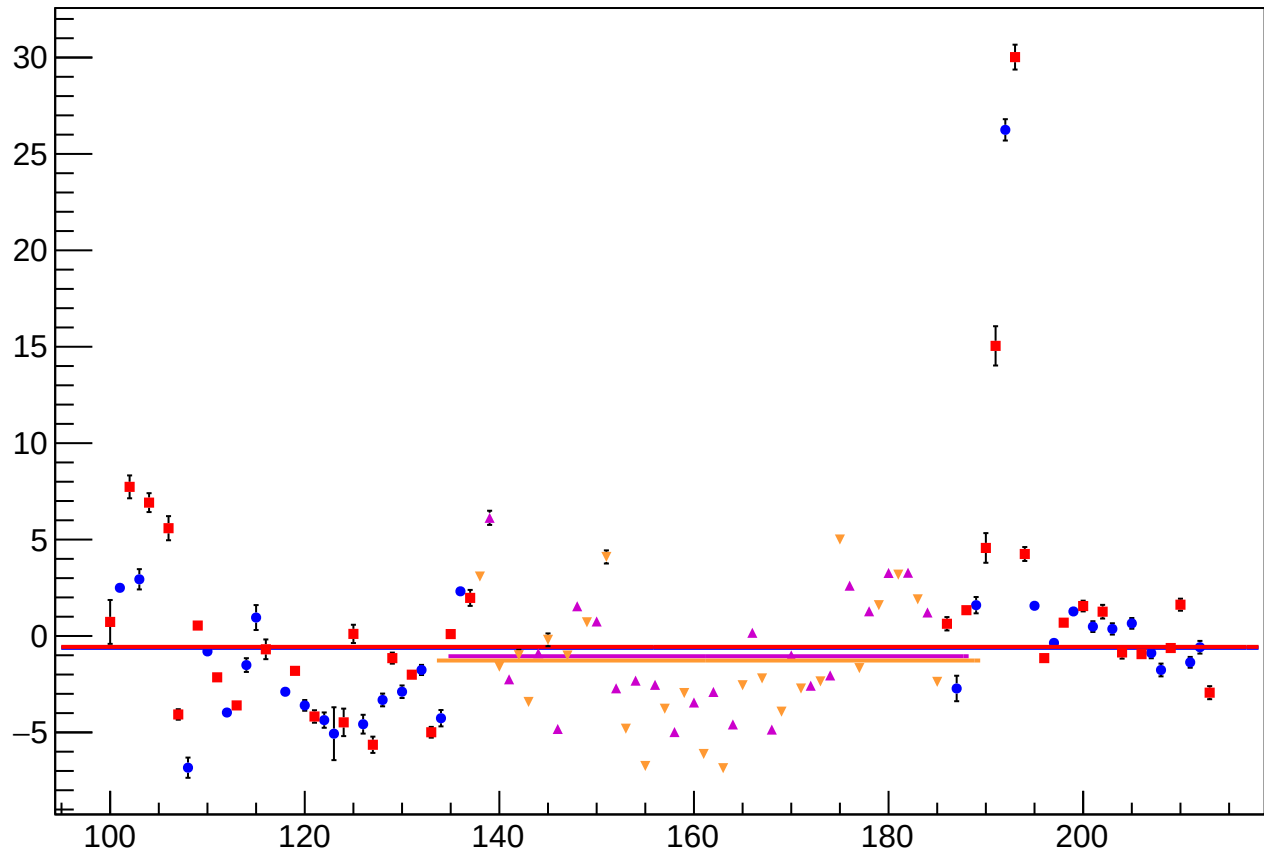
Left In: 16.496 ± 0.038 χ^2/NDF : 40867.3/22

+ sign 8.275 ± 0.029 χ^2/NDF : 253506.0/54

All: 7.572 ± 0.020 χ^2/NDF : 463847.2/111

- sign 6.952 ± 0.028 χ^2/NDF : 209270.6/56

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.616 ± 0.054 $\chi^2/\text{NDF}: 4037.1/29$

Left Out: -1.273 ± 0.036 $\chi^2/\text{NDF}: 7951.6/24$

Right Out: -0.565 ± 0.051 $\chi^2/\text{NDF}: 4720.0/33$

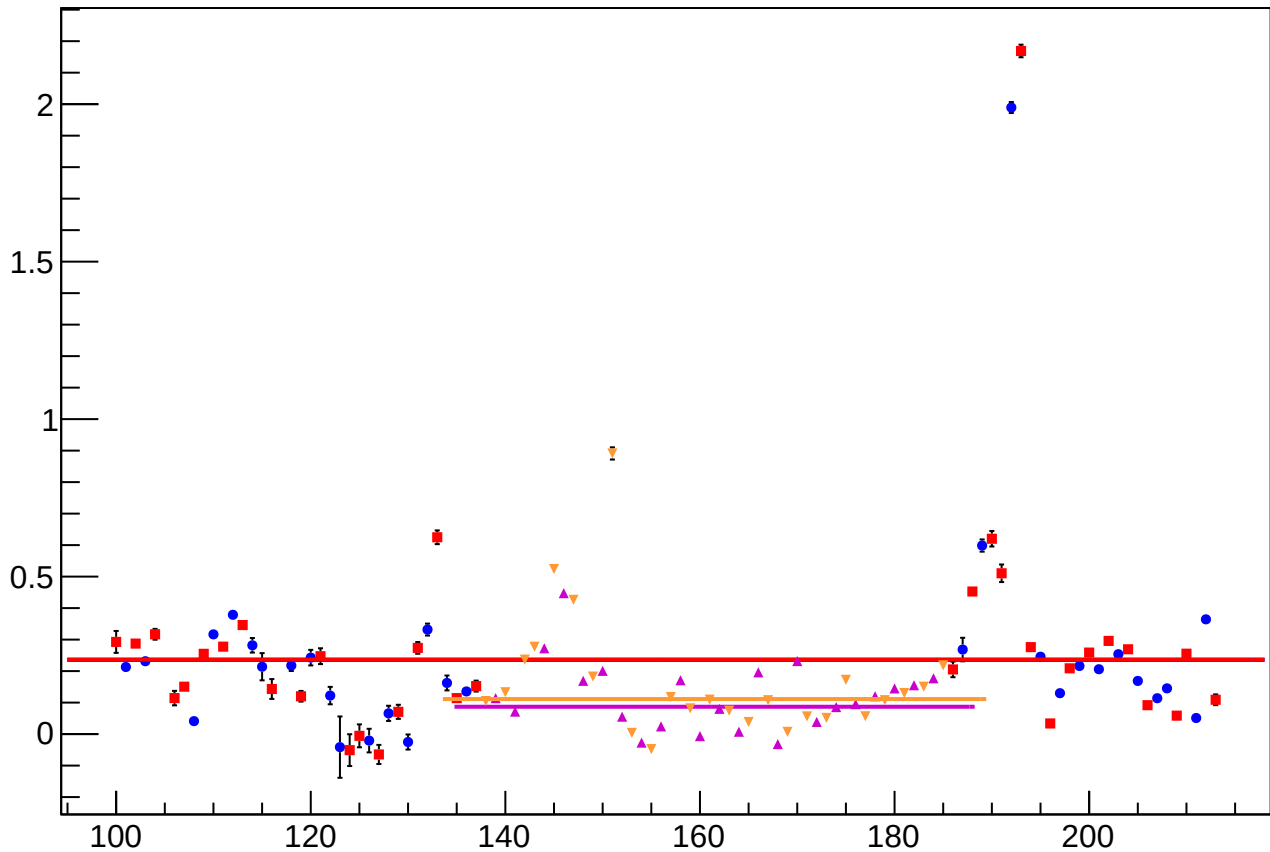
Left In: -1.050 ± 0.034 $\chi^2/\text{NDF}: 6673.4/22$

+ sign -1.072 ± 0.030 $\chi^2/\text{NDF}: 12091.6/54$

All: -0.982 ± 0.021 $\chi^2/\text{NDF}: 23564.9/111$

- sign -0.901 ± 0.028 $\chi^2/\text{NDF}: 11456.0/56$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.236 $\pm$ 0.002 χ^2 /NDF: 11819.8/29

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4474.5/24

Right Out: 0.237 $\pm$ 0.002 χ^2 /NDF: 12313.5/33

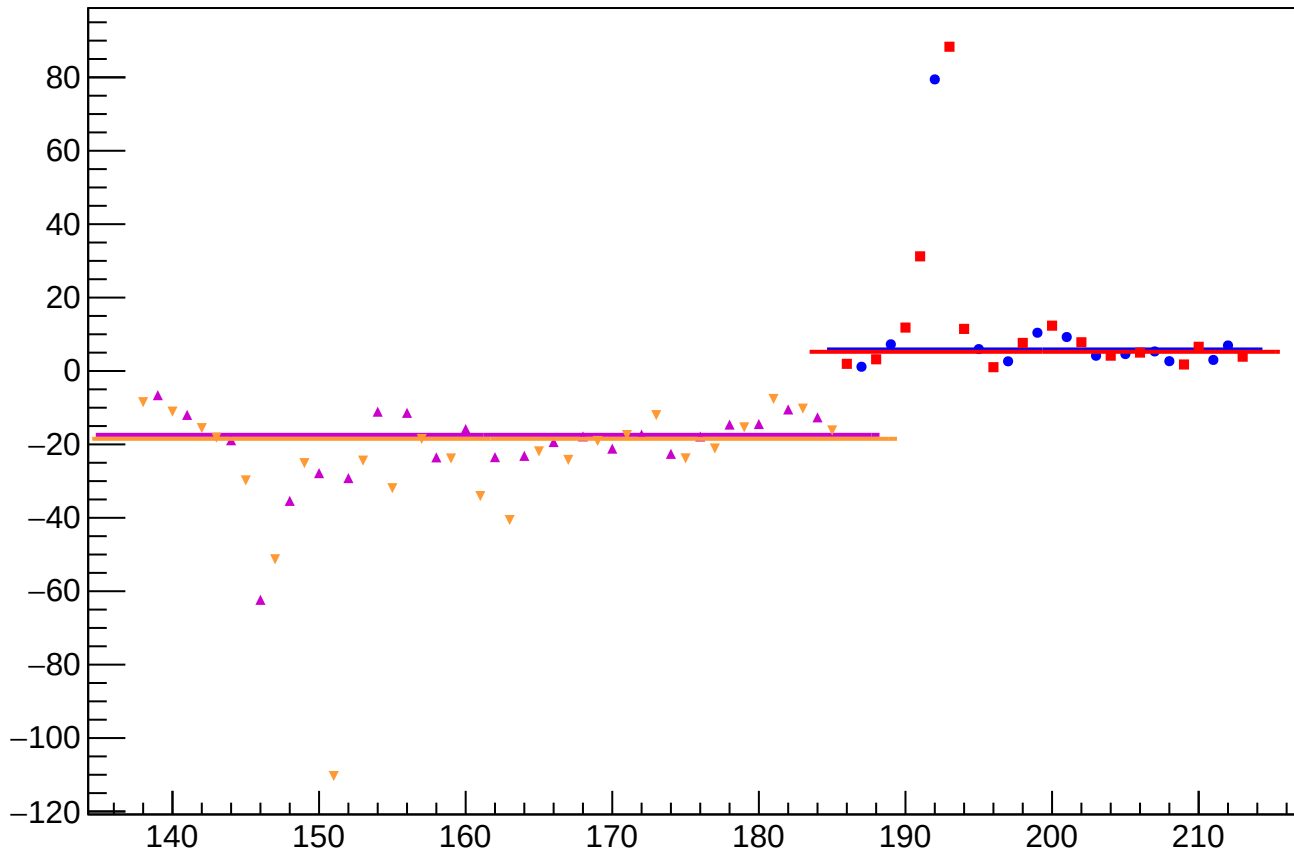
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3598.5/22

+ sign 0.150 $\pm$ 0.001 χ^2 /NDF: 18169.4/54

All: 0.140 $\pm$ 0.001 χ^2 /NDF: 37142.3/111

- sign 0.131 $\pm$ 0.001 χ^2 /NDF: 18868.5/56

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 5.869 ± 0.053 χ^2/NDF : 26016.4/12

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 5.231 ± 0.050 χ^2/NDF : 26680.7/14

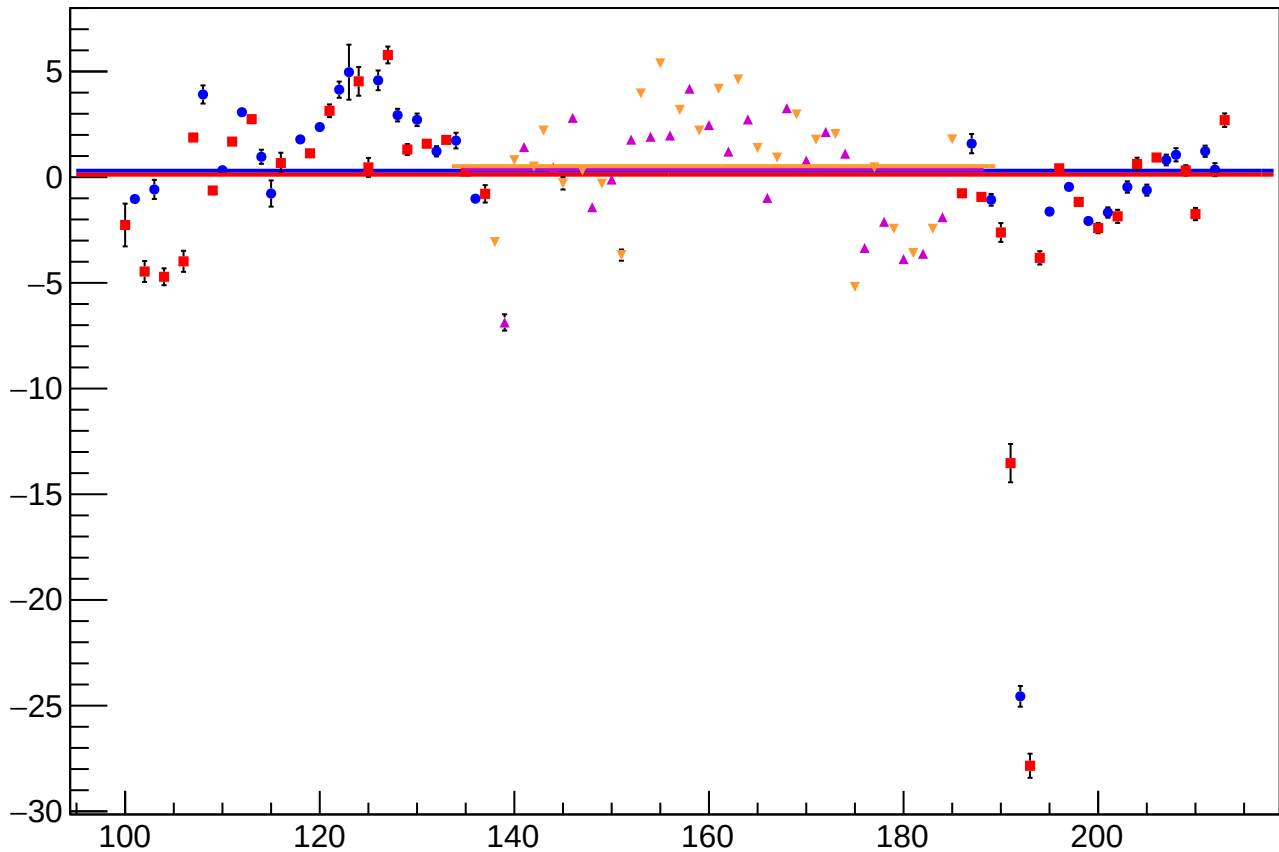
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -9.738 ± 0.032 χ^2/NDF : 248925.1/37

All: -9.227 ± 0.022 χ^2/NDF : 448069.4/75

- sign -8.753 ± 0.031 χ^2/NDF : 198645.8/37

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.305 ± 0.048 $\chi^2/\text{NDF}: 3835.8/29$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.118 ± 0.045 $\chi^2/\text{NDF}: 4366.4/33$

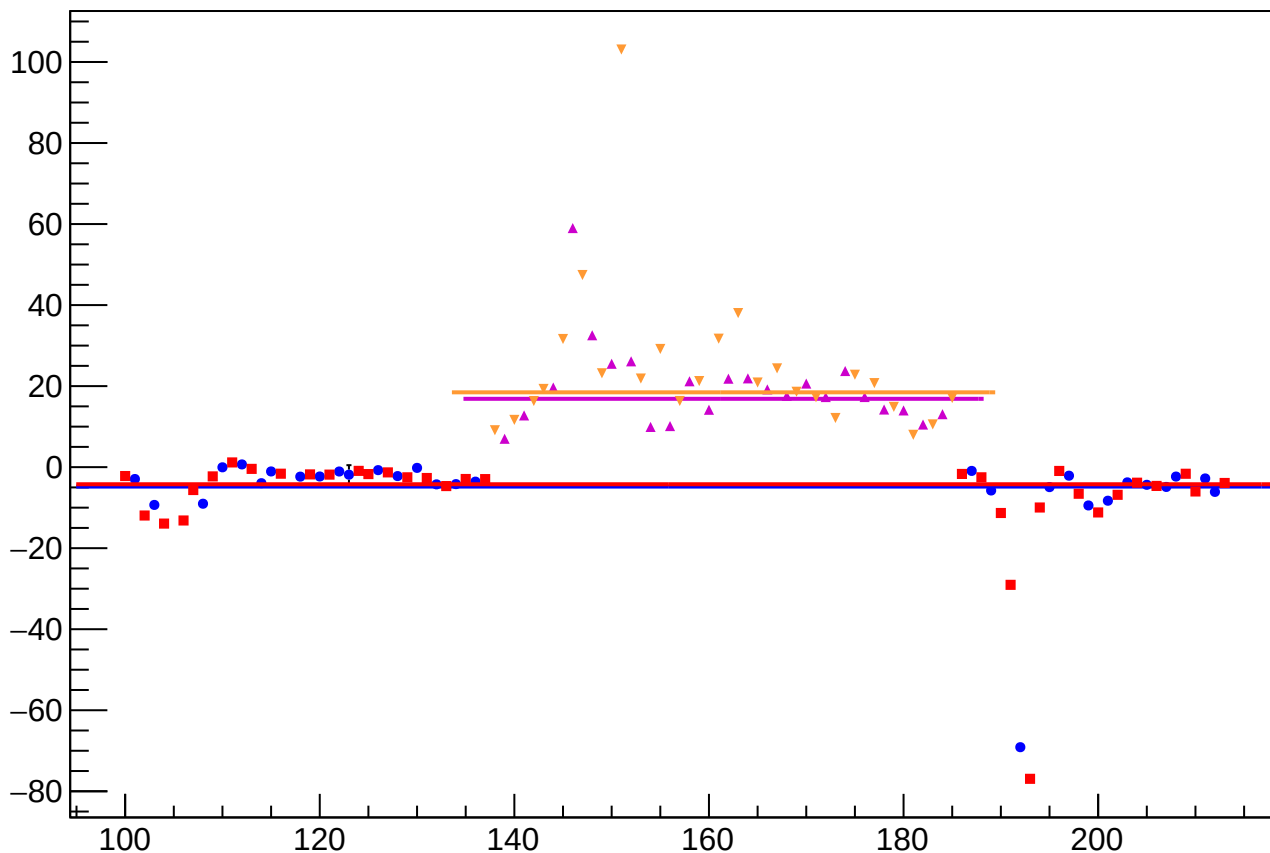
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.451 ± 0.027 $\chi^2/\text{NDF}: 10904.8/54$

All: 0.365 ± 0.019 $\chi^2/\text{NDF}: 21529.2/111$

- sign 0.288 ± 0.026 $\chi^2/\text{NDF}: 10605.3/56$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -4.792 ± 0.045 χ^2/NDF : 27045.7/29

Left Out: 18.467 ± 0.040 χ^2/NDF : 77226.7/24

Right Out: -4.221 ± 0.041 χ^2/NDF : 28151.9/33

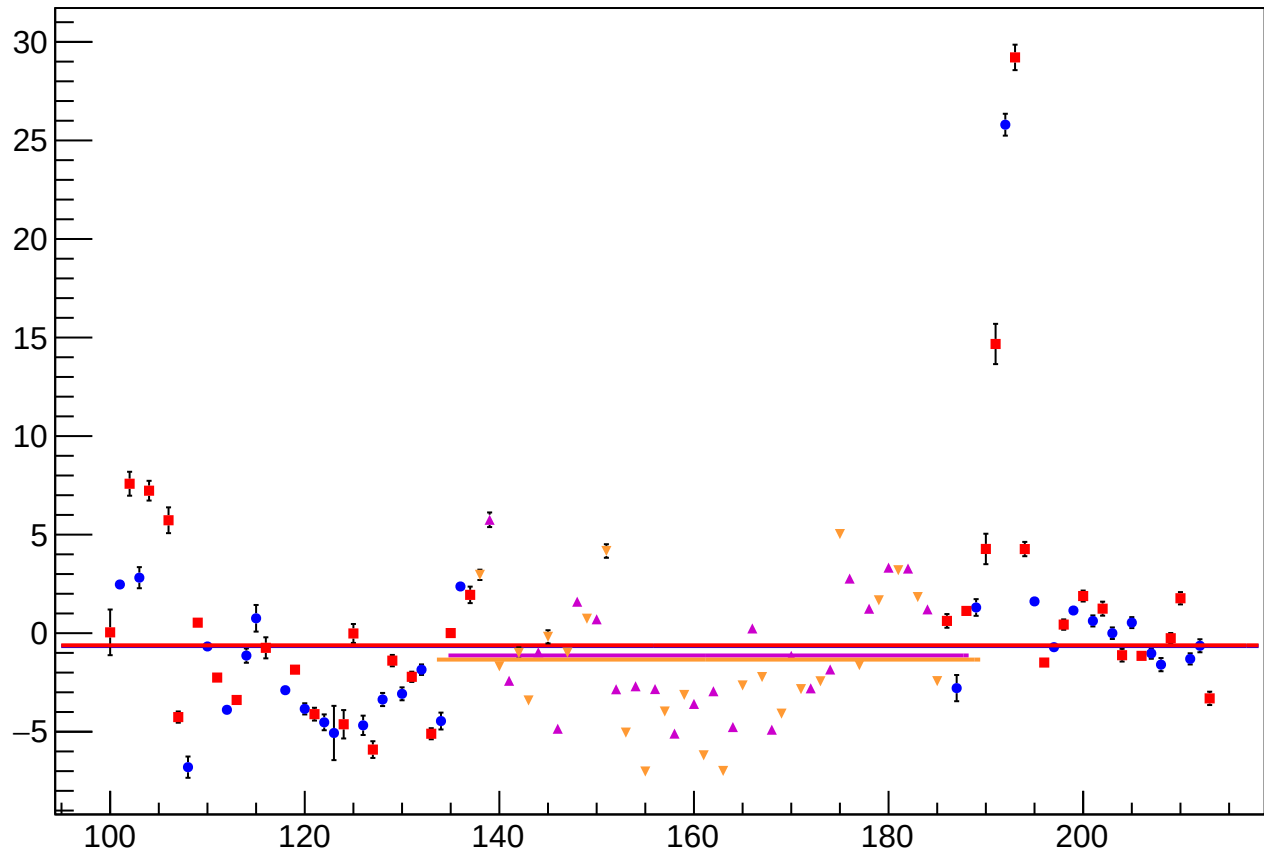
Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

+ sign 8.325 ± 0.030 χ^2/NDF : 252561.6/54

All: 7.617 ± 0.021 χ^2/NDF : 461549.9/111

- sign 6.992 ± 0.028 χ^2/NDF : 207936.3/56

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.654 ± 0.055 χ^2/NDF : 3915.5/29

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.617 ± 0.052 χ^2/NDF : 4592.2/33

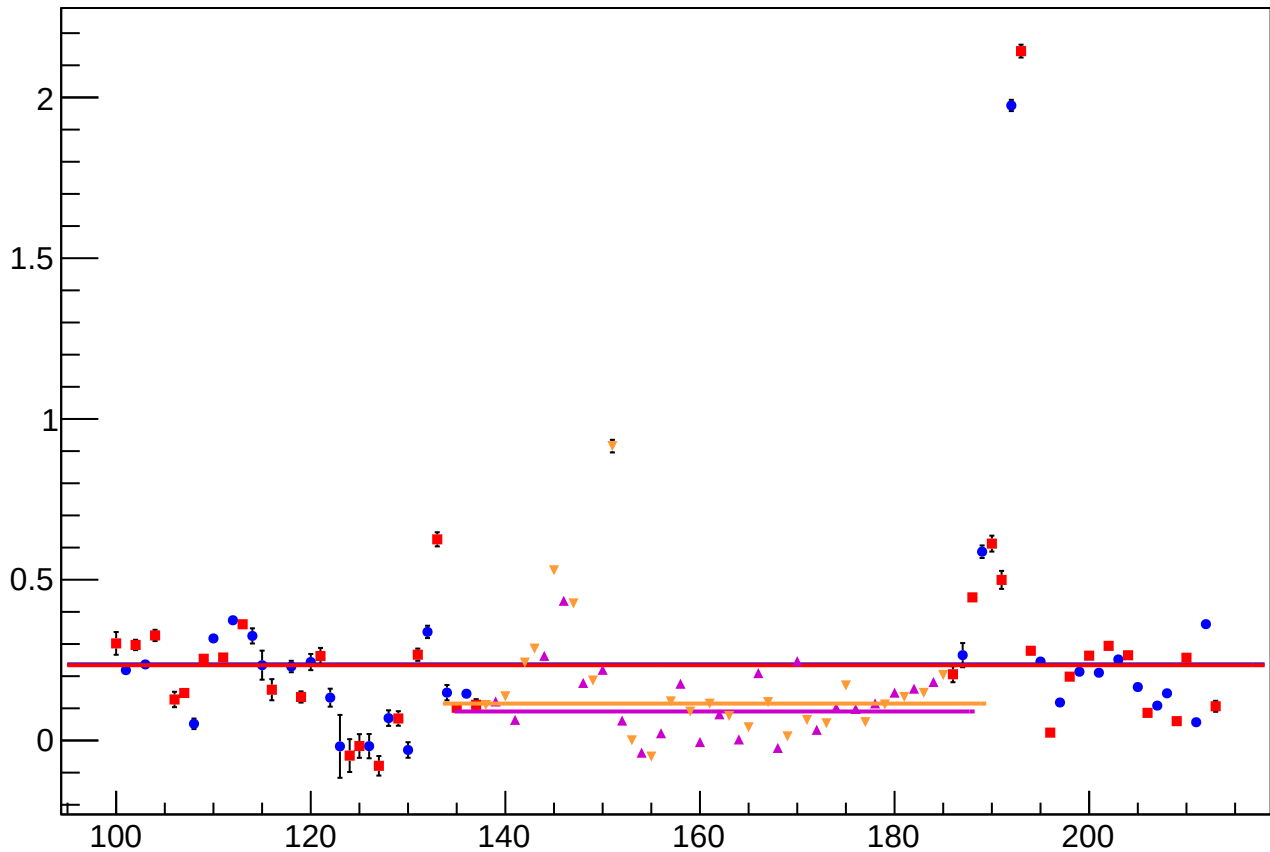
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.128 ± 0.030 χ^2/NDF : 11931.7/54

All: -1.046 ± 0.021 χ^2/NDF : 23314.4/111

- sign -0.971 ± 0.029 χ^2/NDF : 11368.8/56

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.237 ± 0.002 $\chi^2/\text{NDF}: 11557.3/29$

Left Out: 0.115 ± 0.002 $\chi^2/\text{NDF}: 4431.9/24$

Right Out: 0.234 ± 0.002 $\chi^2/\text{NDF}: 12160.5/33$

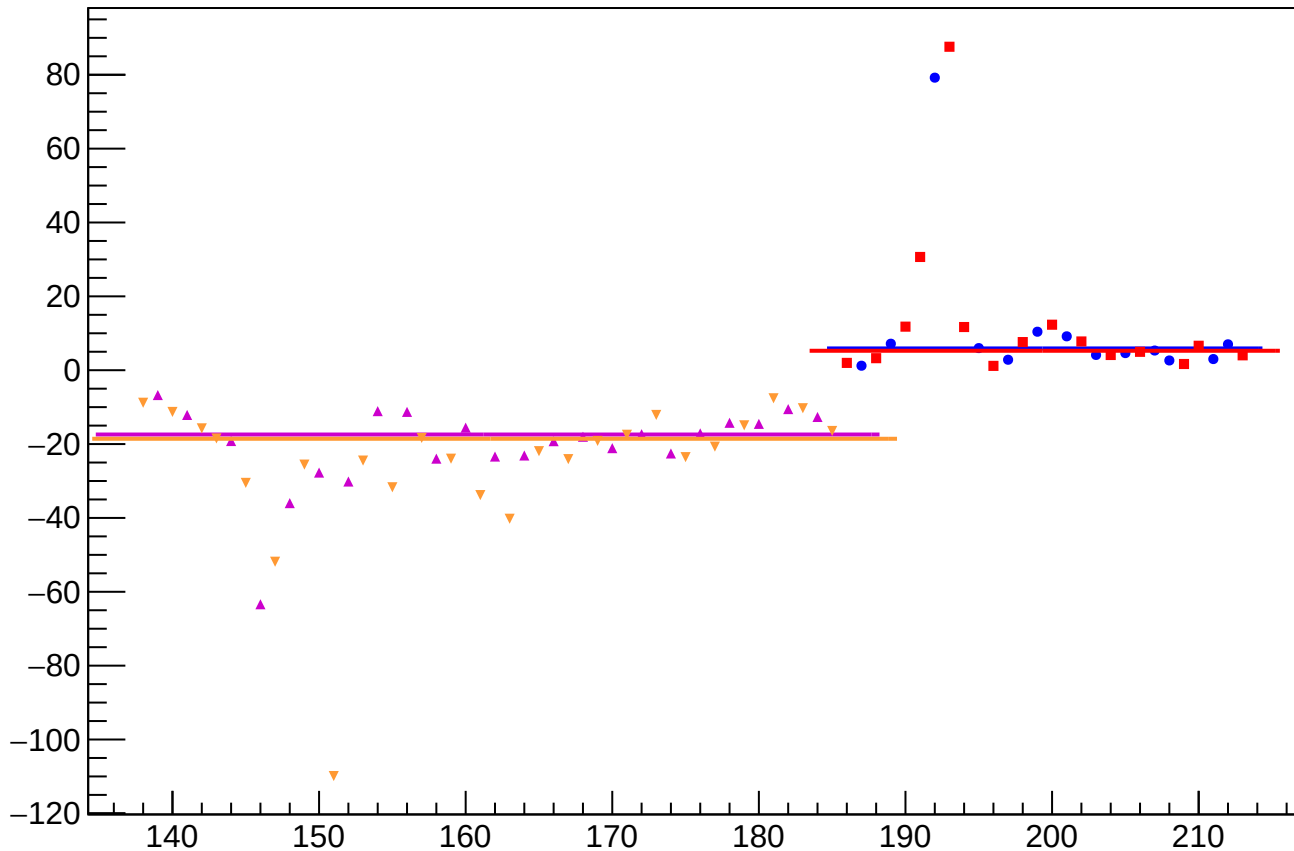
Left In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 3676.5/22$

+ sign 0.153 ± 0.001 $\chi^2/\text{NDF}: 17740.0/54$

All: 0.143 ± 0.001 $\chi^2/\text{NDF}: 36331.9/111$

- sign 0.134 ± 0.001 $\chi^2/\text{NDF}: 18481.4/56$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 5.896 ± 0.054 χ^2/NDF : 25529.1/12

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 5.266 ± 0.050 χ^2/NDF : 26047.8/14

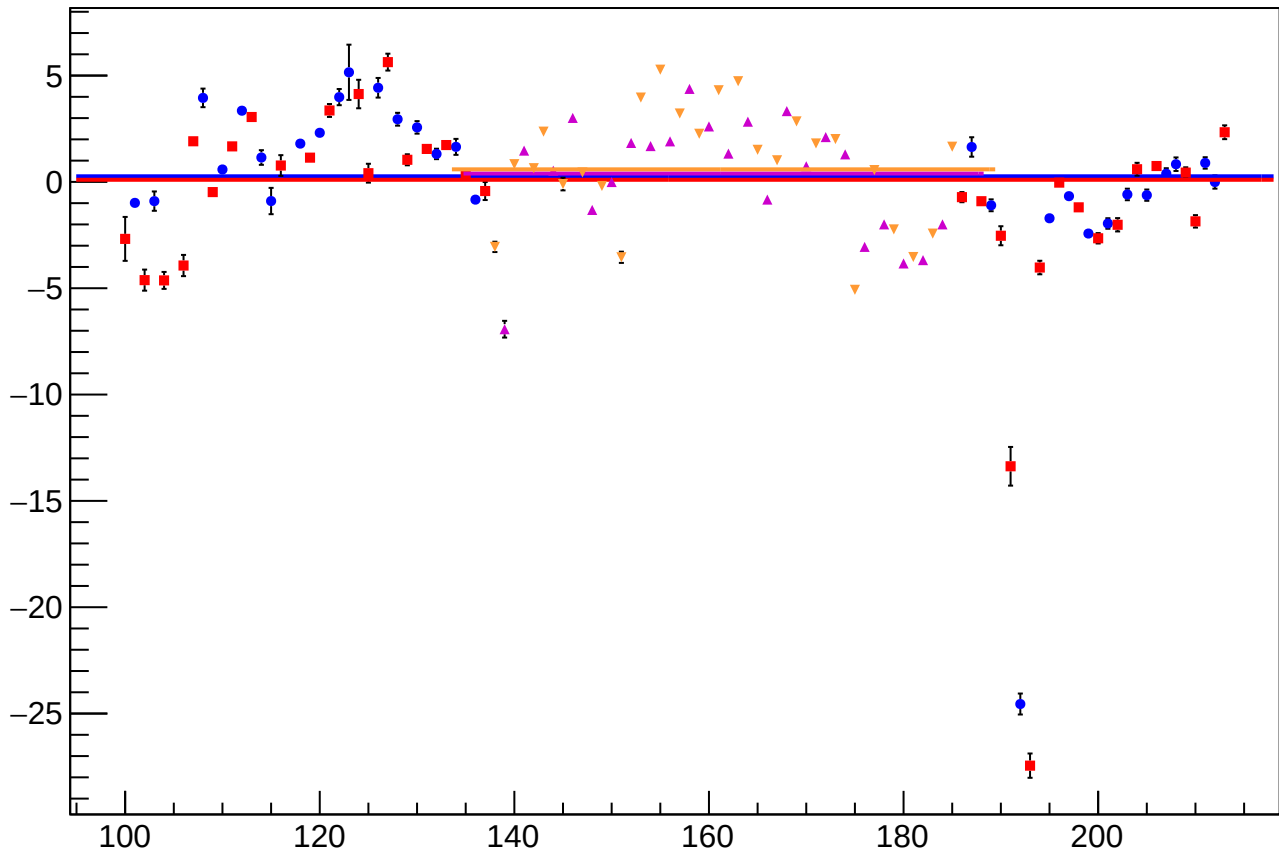
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -9.809 ± 0.032 χ^2/NDF : 245151.5/37

All: -9.282 ± 0.022 χ^2/NDF : 441792.3/75

- sign -8.794 ± 0.031 χ^2/NDF : 196122.3/37

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.263 ± 0.048 $\chi^2/\text{NDF}: 3867.2/29$

Left Out: 0.591 ± 0.033 $\chi^2/\text{NDF}: 6796.5/24$

Right Out: 0.100 ± 0.045 $\chi^2/\text{NDF}: 4306.3/33$

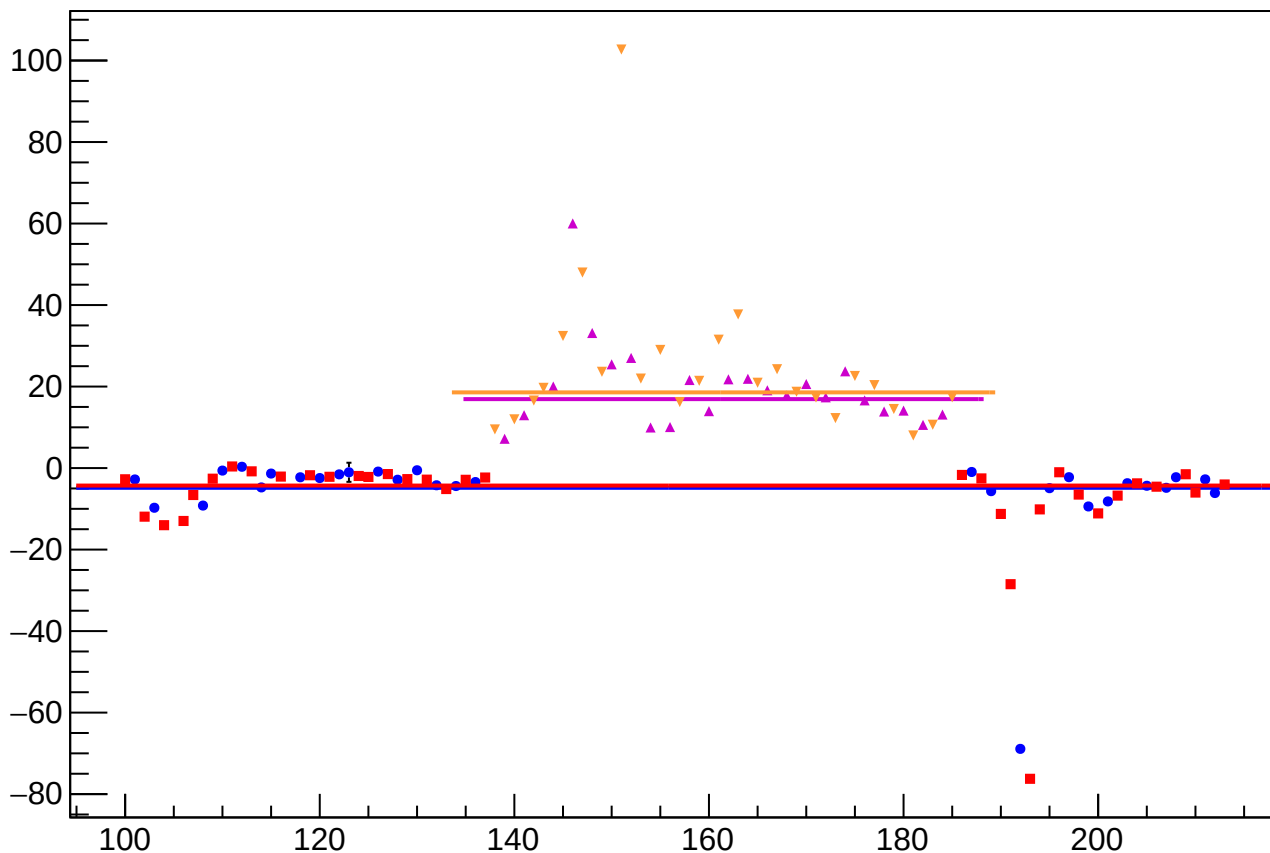
Left In: 0.394 ± 0.032 $\chi^2/\text{NDF}: 6059.8/22$

+ sign 0.484 ± 0.027 $\chi^2/\text{NDF}: 10695.1/54$

All: 0.386 ± 0.019 $\chi^2/\text{NDF}: 21114.1/111$

- sign 0.297 ± 0.026 $\chi^2/\text{NDF}: 10394.4/56$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -4.834 ± 0.046 $\chi^2/\text{NDF}: 26382.7/29$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.290 ± 0.042 $\chi^2/\text{NDF}: 27292.3/33$

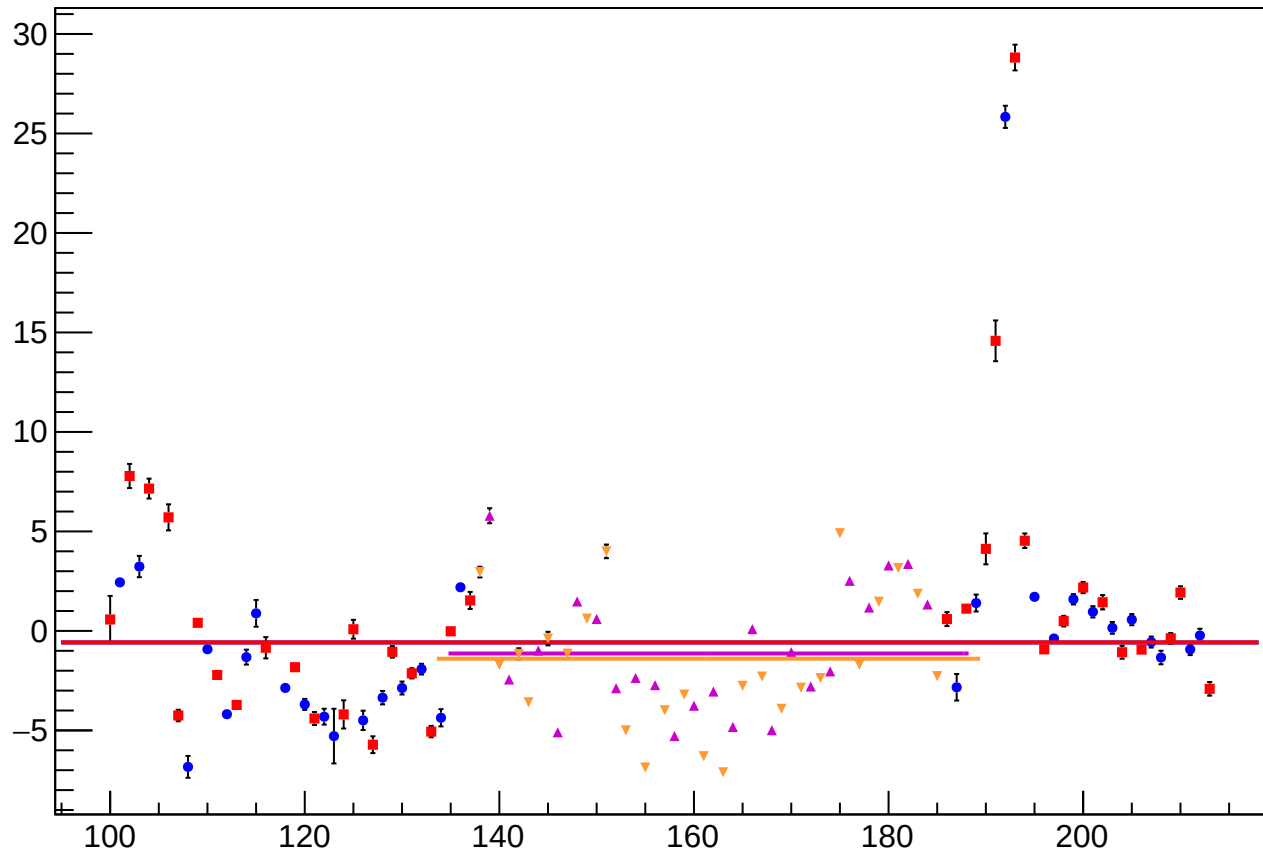
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 8.402 ± 0.030 $\chi^2/\text{NDF}: 249285.8/54$

All: 7.681 ± 0.021 $\chi^2/\text{NDF}: 456157.2/111$

- sign 7.044 ± 0.028 $\chi^2/\text{NDF}: 205802.0/56$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.581 ± 0.055 χ^2/NDF : 3906.4/29

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.576 ± 0.053 χ^2/NDF : 4517.5/33

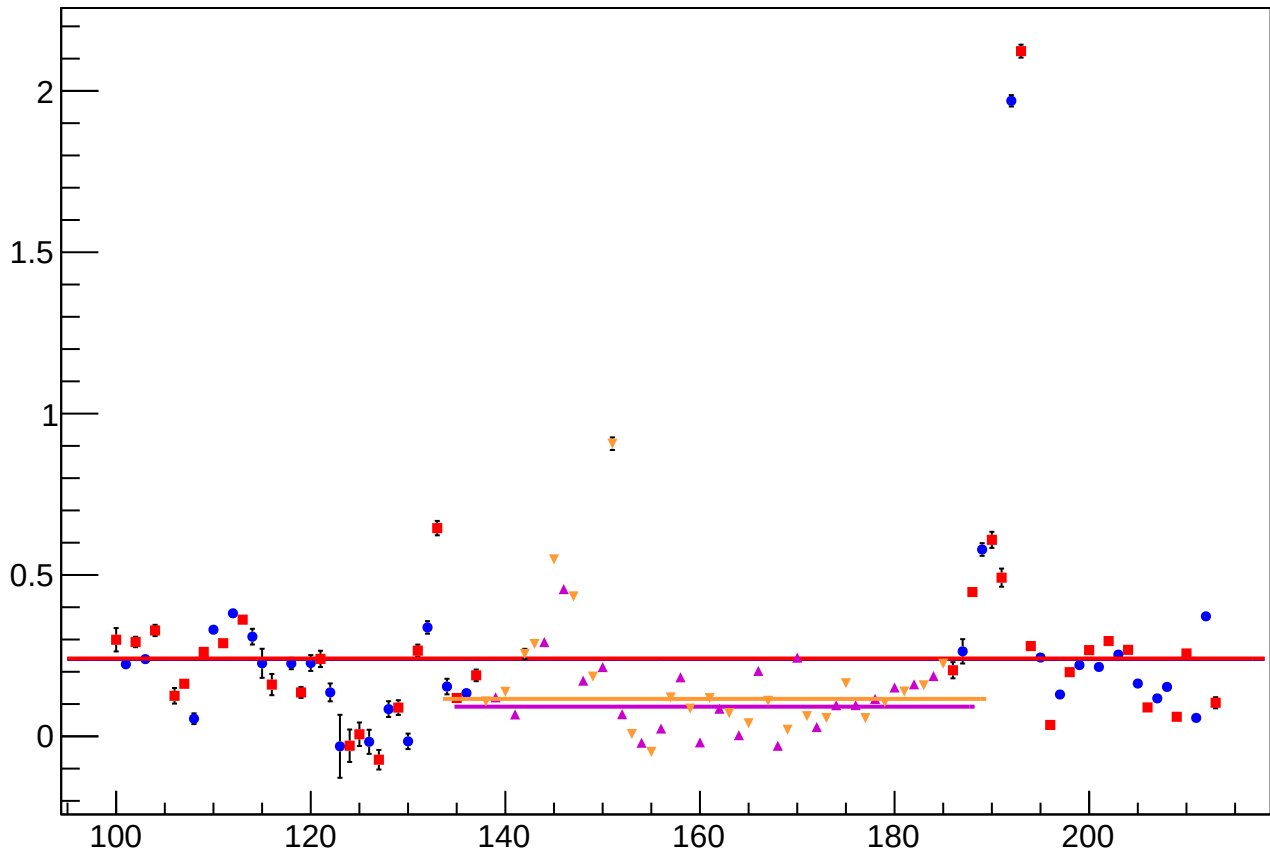
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.145 ± 0.031 χ^2/NDF : 11708.4/54

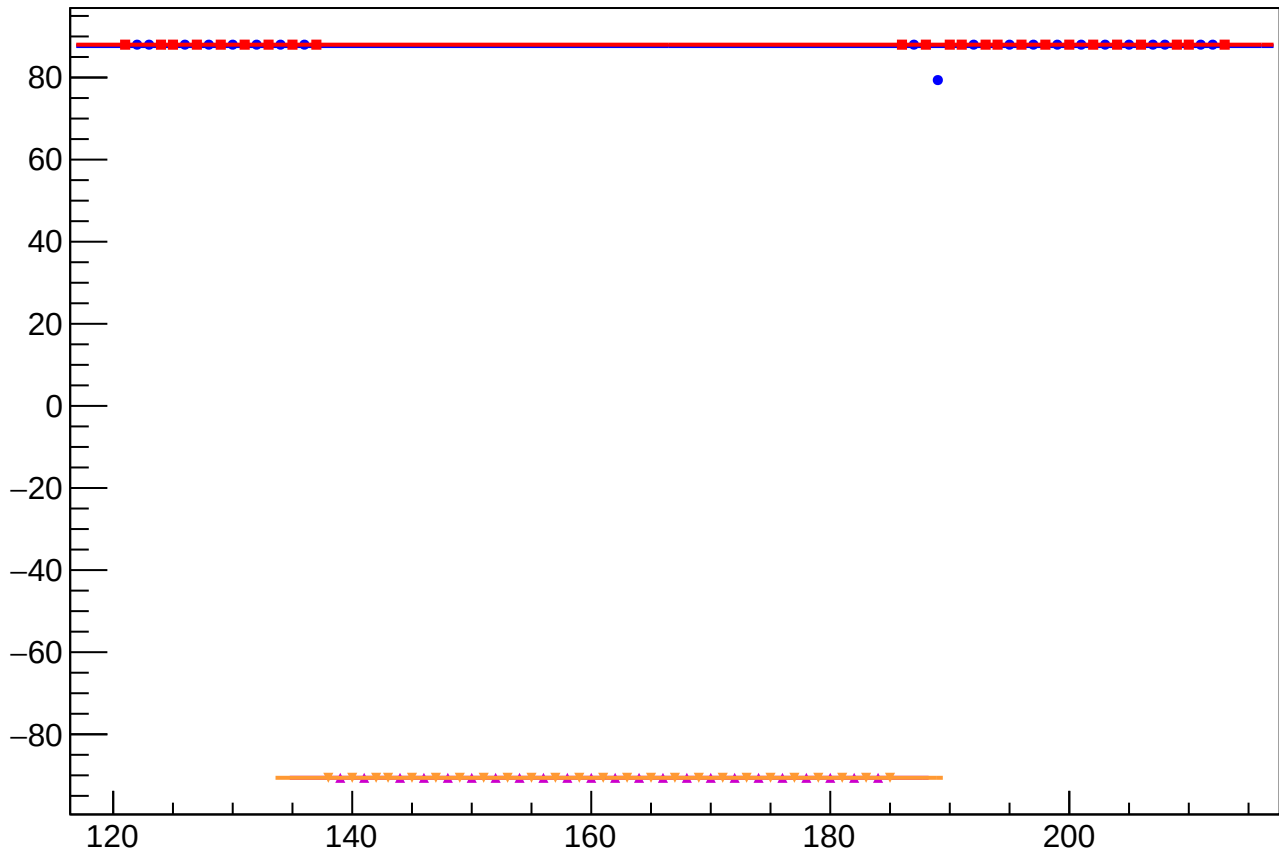
All: -1.049 ± 0.021 χ^2/NDF : 22920.2/111

- sign -0.962 ± 0.029 χ^2/NDF : 11193.1/56

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



VWienAngle_mean vs Slug



Right In: 87.660+/-0.000 χ^2/NDF : 3646407389000388314517020444983296.0/20

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 944310.7/23

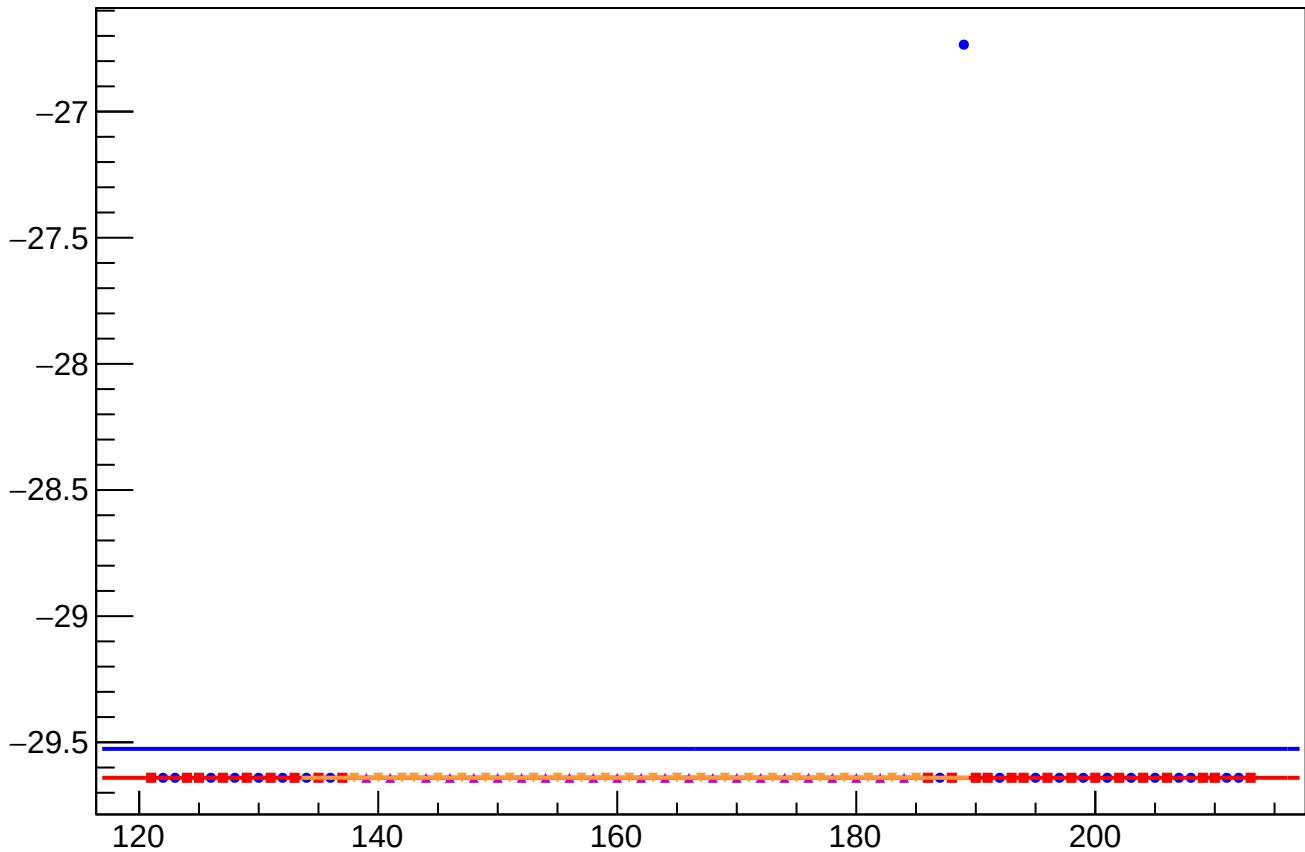
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -18.639+/-0.000 χ^2/NDF : 245045054969341

All: -16.168+/-0.000 χ^2/NDF : 494230628823

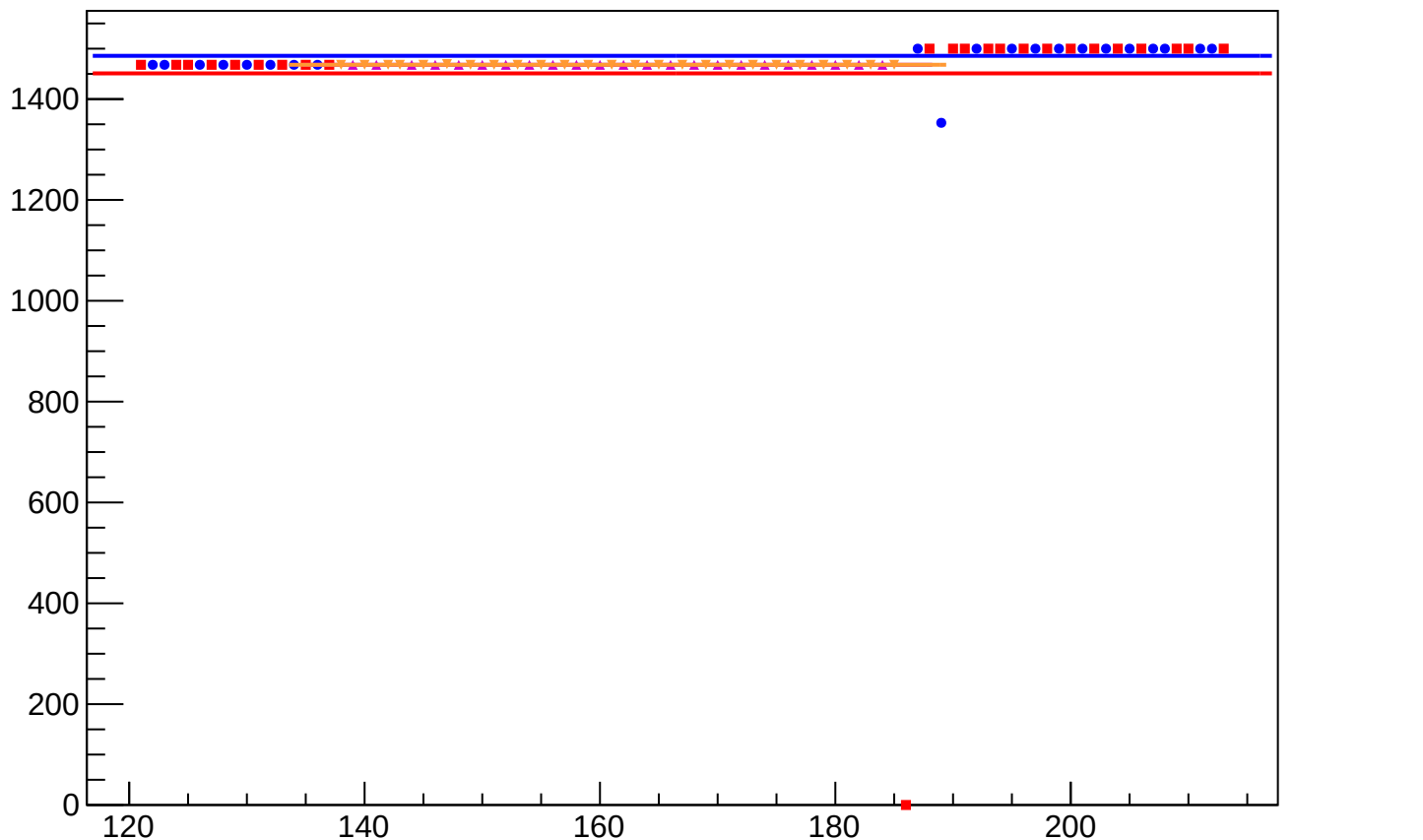
- sign -13.679+/-0.000 χ^2/NDF : 2487930575831498

HWienAngle_mean vs Slug



Right In: -29.526+/-0.000 χ^2/NDF : 413685126520820016320911572467712.0/20
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.594+/-0.000 χ^2/NDF : 423814787616115
Right Out: -29.641+/-0.000 χ^2/NDF : 1572042.0/23 All: -29.617+/-0.000 χ^2/NDF : 427231676563
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2353254.1/46

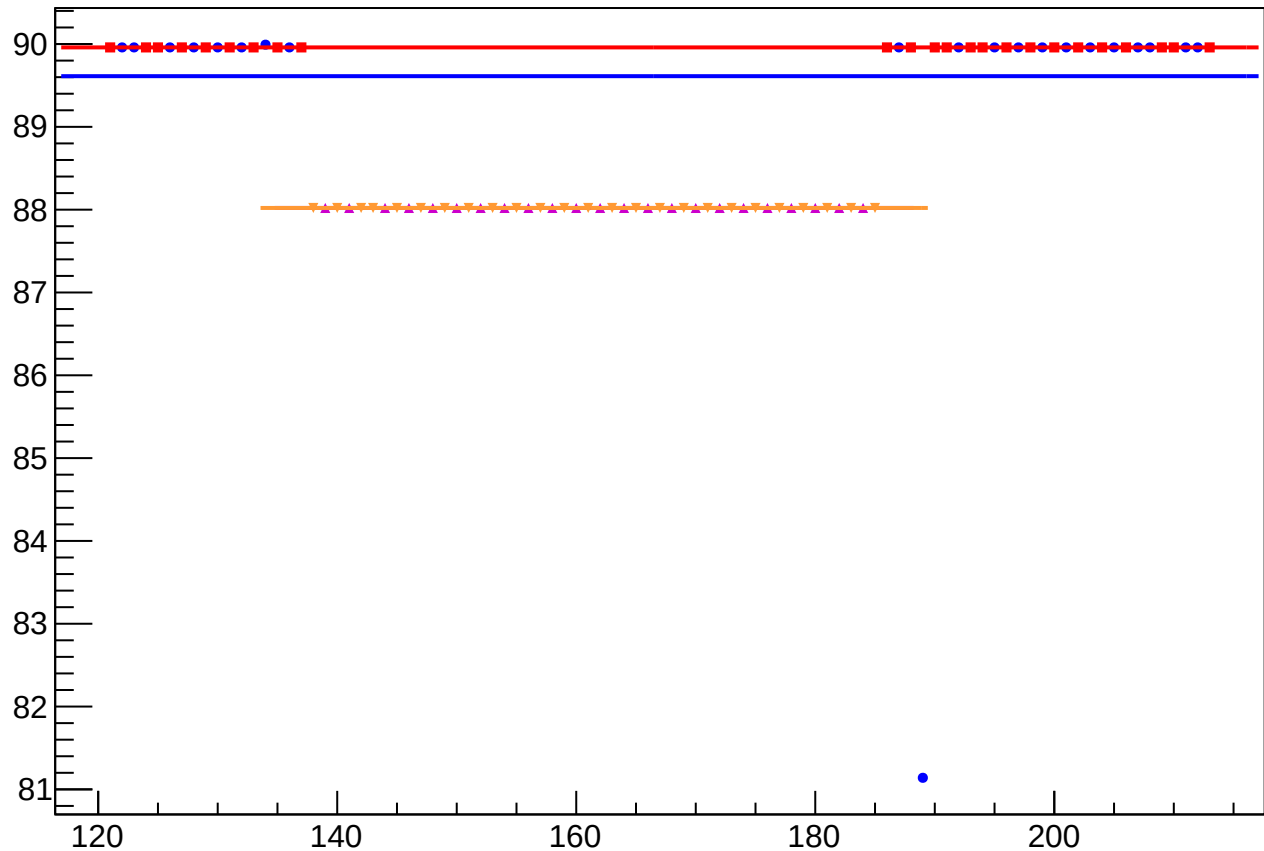
psub_pl_pos_mean vs Slug



Right In: 1485.805+/-0.000 χ^2/NDF : 1189988754553235024551673705105719296.0/20
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24
 Right Out: 1450.986+/-0.000 χ^2/NDF : 82532678826421470698971593650609324032.0/23
 Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1475.216+/-0.000 χ^2/NDF : 14332457161863
 All: 1467.968+/-0.000 χ^2/NDF : 84529301650
 - sign 1460.669+/-0.000 χ^2/NDF : 82758299514139

Phi_FG_mean vs Slug



Right In: 89.612 $\pm$ 0.000 χ^2 /NDF: 3811032122239518195235529414410240.0/20

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5326388.8/24

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 4131864.1/23

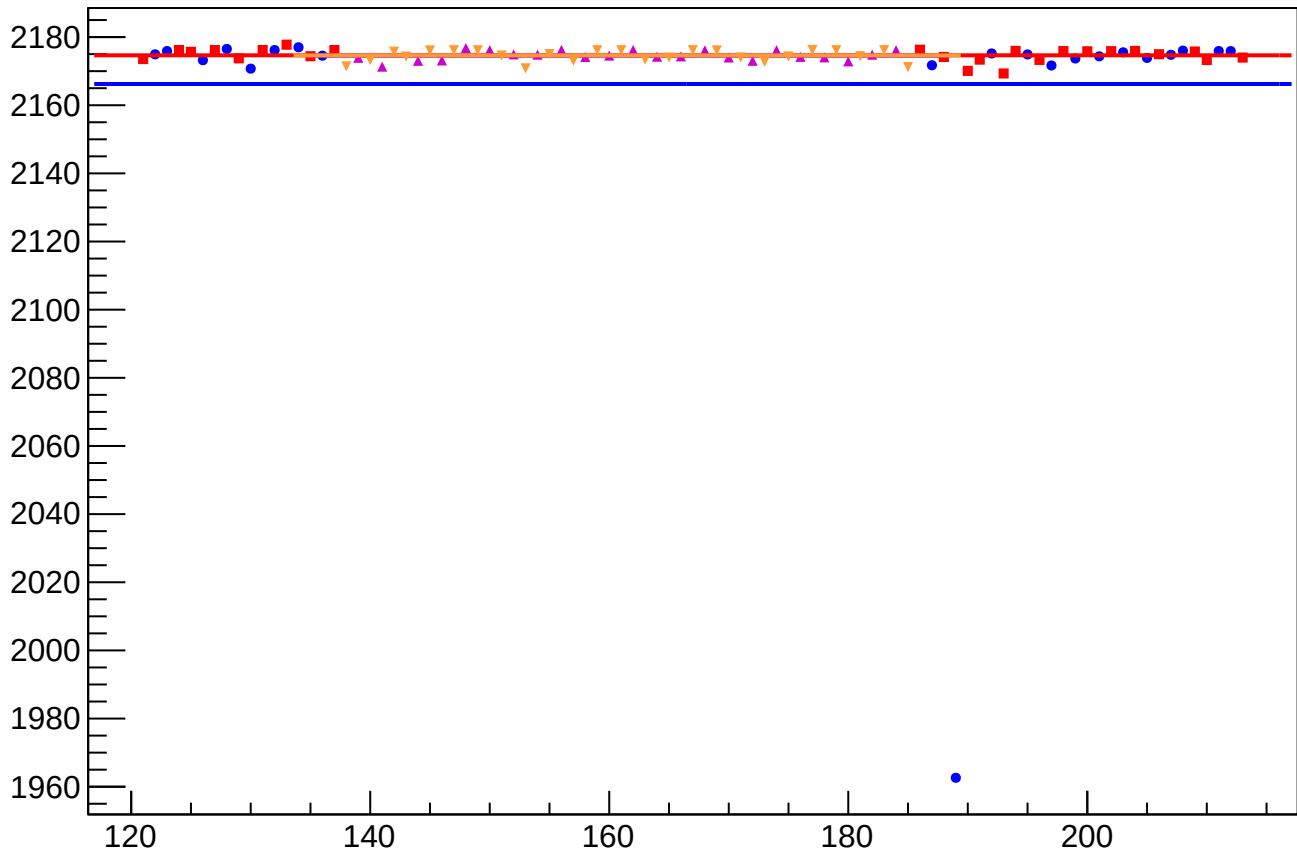
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6084099.2/22

+ sign 88.663 $\pm$ 0.000 χ^2 /NDF: 5763380343446538

All: 88.759 $\pm$ 0.000 χ^2 /NDF: 8753776756825

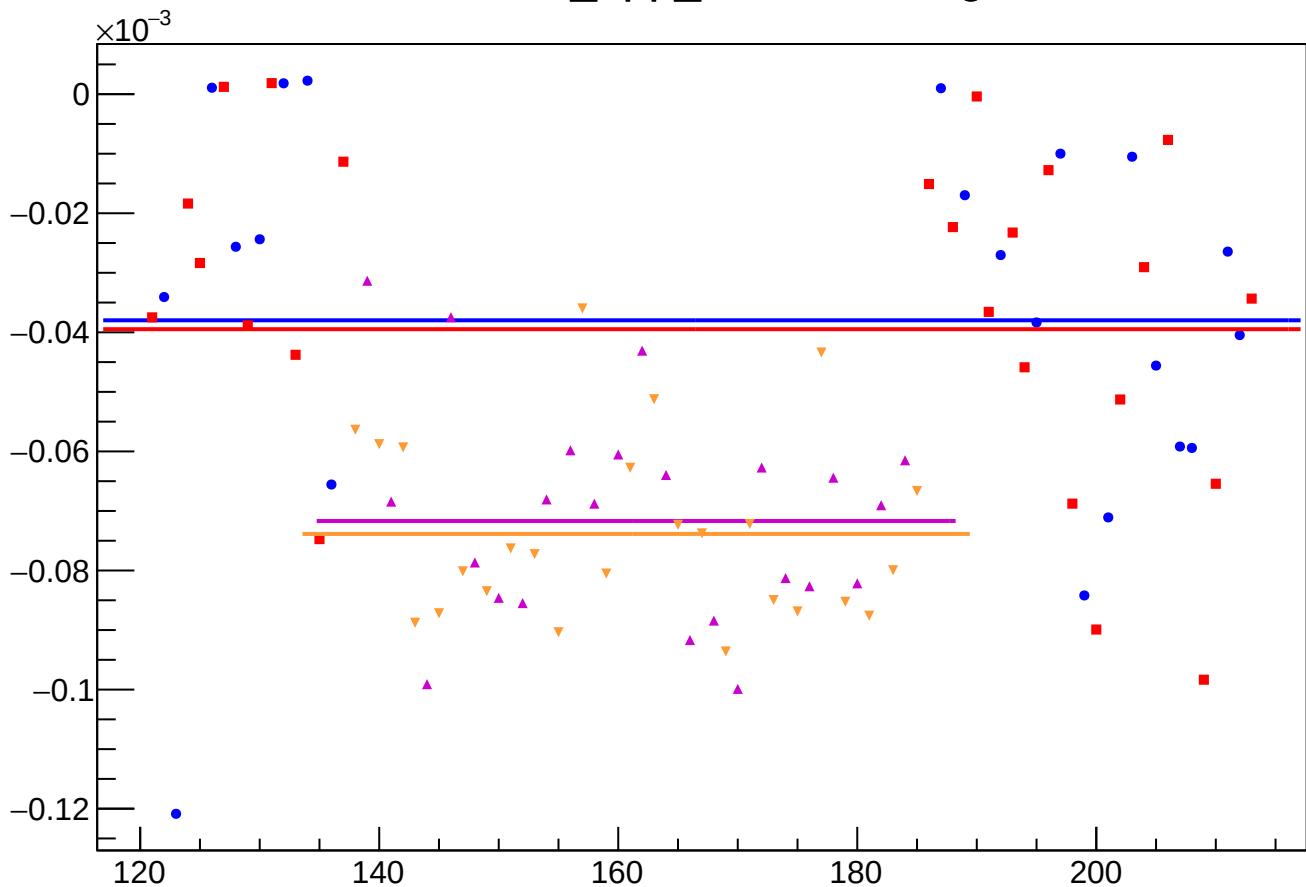
- sign 88.856 $\pm$ 0.000 χ^2 /NDF: 2931223709596259

HALLA_p_mean vs Slug



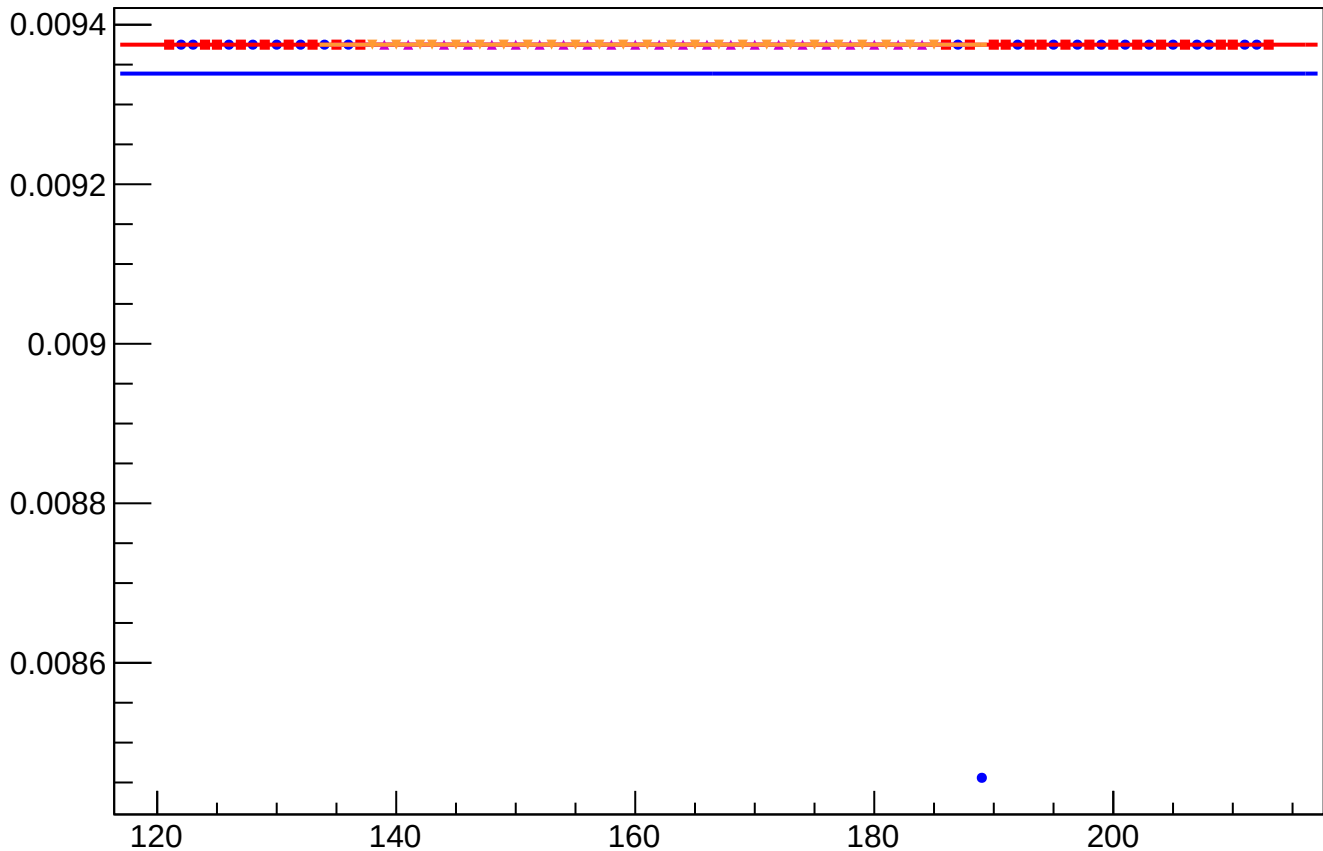
Right In: 2166.236 $\pm$ 0.000	χ^2 /NDF: 2204062754163880645705584828003385344.0/20
Left Out: 2174.622 $\pm$ 0.000	+ sign 2171.237 $\pm$ 0.000 χ^2 /NDF: 22633976082133
Right Out: 2174.652 $\pm$ 0.000	χ^2 /NDF: 5110578135476093110874911595823104.0/24
Left In: 2174.539 $\pm$ 0.000	All: 2172.906 $\pm$ 0.000 χ^2 /NDF: 22896001805
	- sign 2174.588 $\pm$ 0.000 χ^2 /NDF: 82797943749076
	χ^2 /NDF: 3400742562425168967494665391570944.0/22

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 811985771508963850846208.0/20	+ sign -0.000+/-0.000	χ^2/NDF : 2254915150580112
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 4748338783083
Right Out: -0.000+/-0.000	χ^2/NDF : 1118106833494739563577344.0/23	- sign -0.000+/-0.000	χ^2/NDF : 2489509142970553
Left In: -0.000+/-0.000	χ^2/NDF : 562166279020739416817664.0/22		

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41384285007505429255684096.0/20

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/23

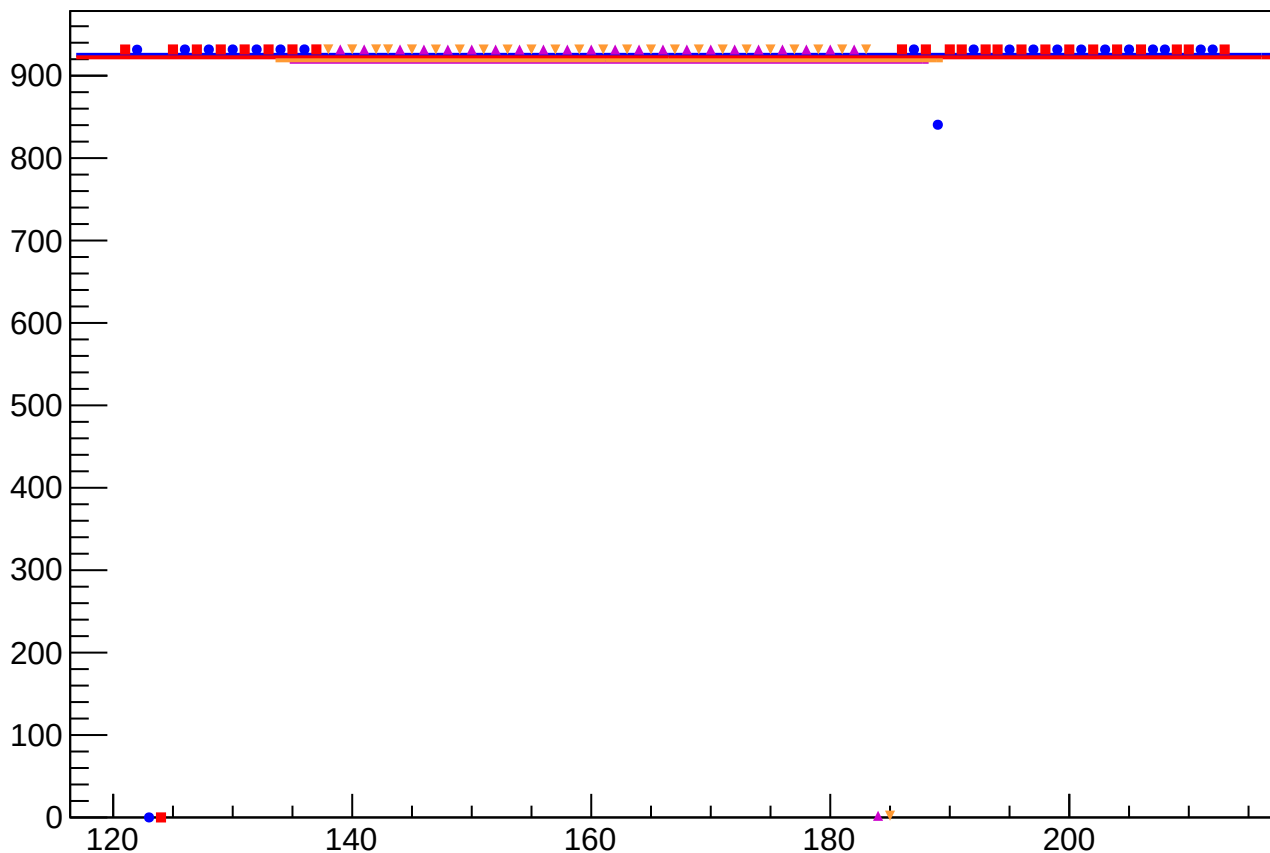
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42397637325300435

All: 0.009+/-0.000 χ^2/NDF : 42739456493945

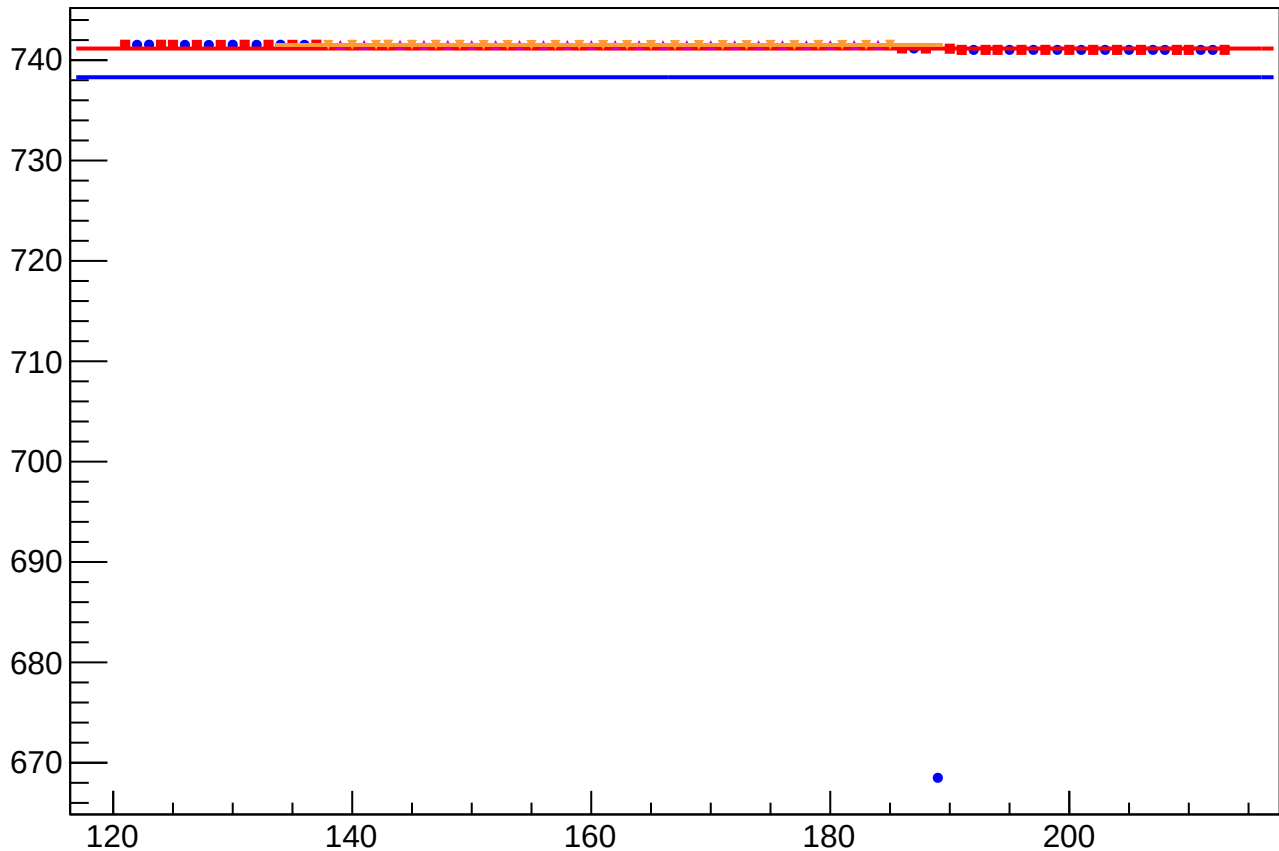
- sign 0.009+/-0.000 χ^2/NDF : 0.2/46

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 925.302 $\pm$ 0.000 χ^2 /NDF: 3843383083951428489807843014331072512.0/20
 Left Out: 918.645 $\pm$ 0.000 χ^2 /NDF: 23003498704056084939752432521336324096.0/24
 Right Out: 922.274 $\pm$ 0.000 χ^2 /NDF: 12030360361719133082199596576519749632.0/23
 Left In: 916.890 $\pm$ 0.000 χ^2 /NDF: 24667894917476231250286944388888133632.0/22

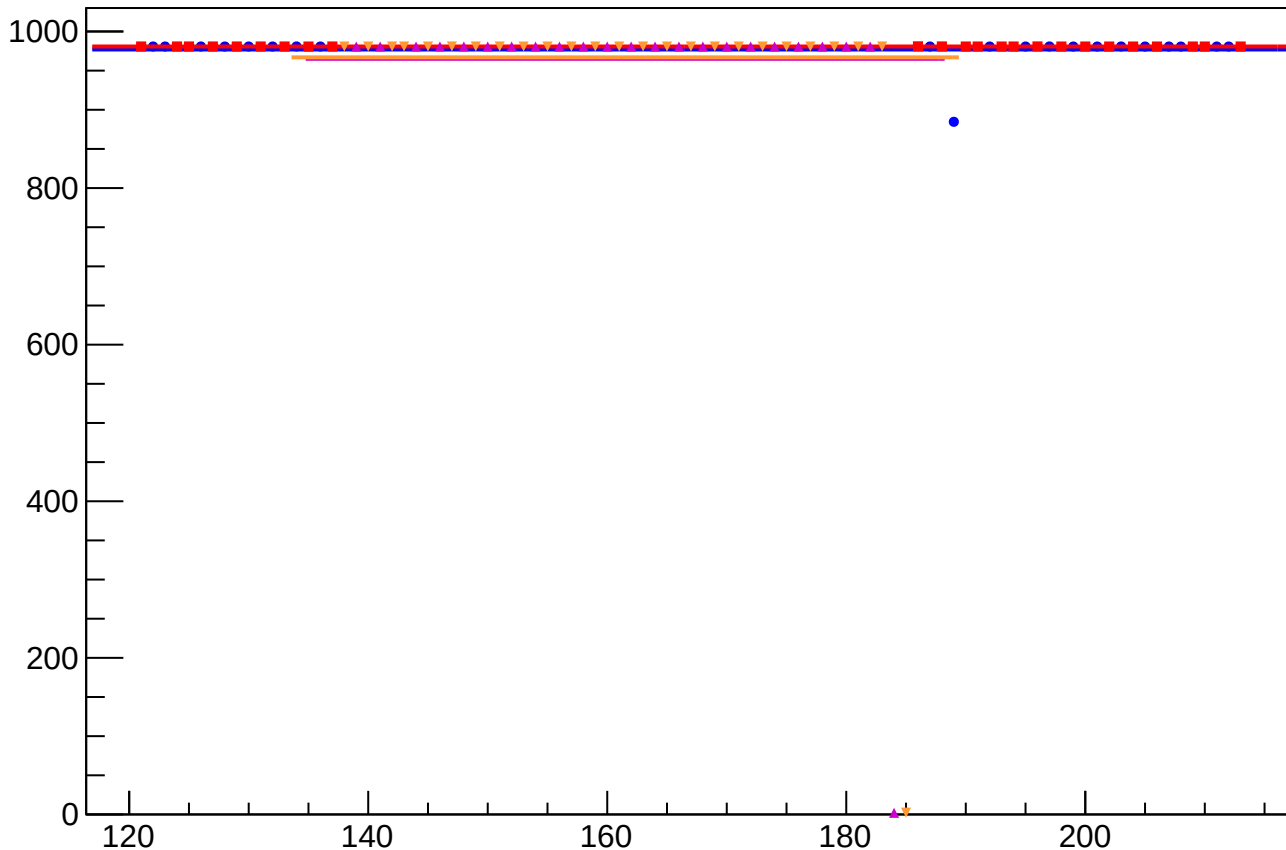
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 738.298 $\pm$ 0.000 χ^2 /NDF: 258719711850411744730847640022941696.0/20
Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 244782737401533731539808944128.0/24
Right Out: 741.159 $\pm$ 0.000 χ^2 /NDF: 58943931632253003628767875170304.0/23
Left In: 741.512 $\pm$ 0.000 χ^2 /NDF: 215375309108434607405602439168.0/22

+ sign 740.215 $\pm$ 0.000 χ^2 /NDF: 266688695713361
All: 740.786 $\pm$ 0.000 χ^2 /NDF: 26893743927
- sign 741.360 $\pm$ 0.000 χ^2 /NDF: 156656664443038

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.018+/-0.000 χ^2/NDF : 453087079706721168430659337715712000.0/20

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.817+/-0.000 χ^2/NDF : 3501711074171675207762324750336.0/23

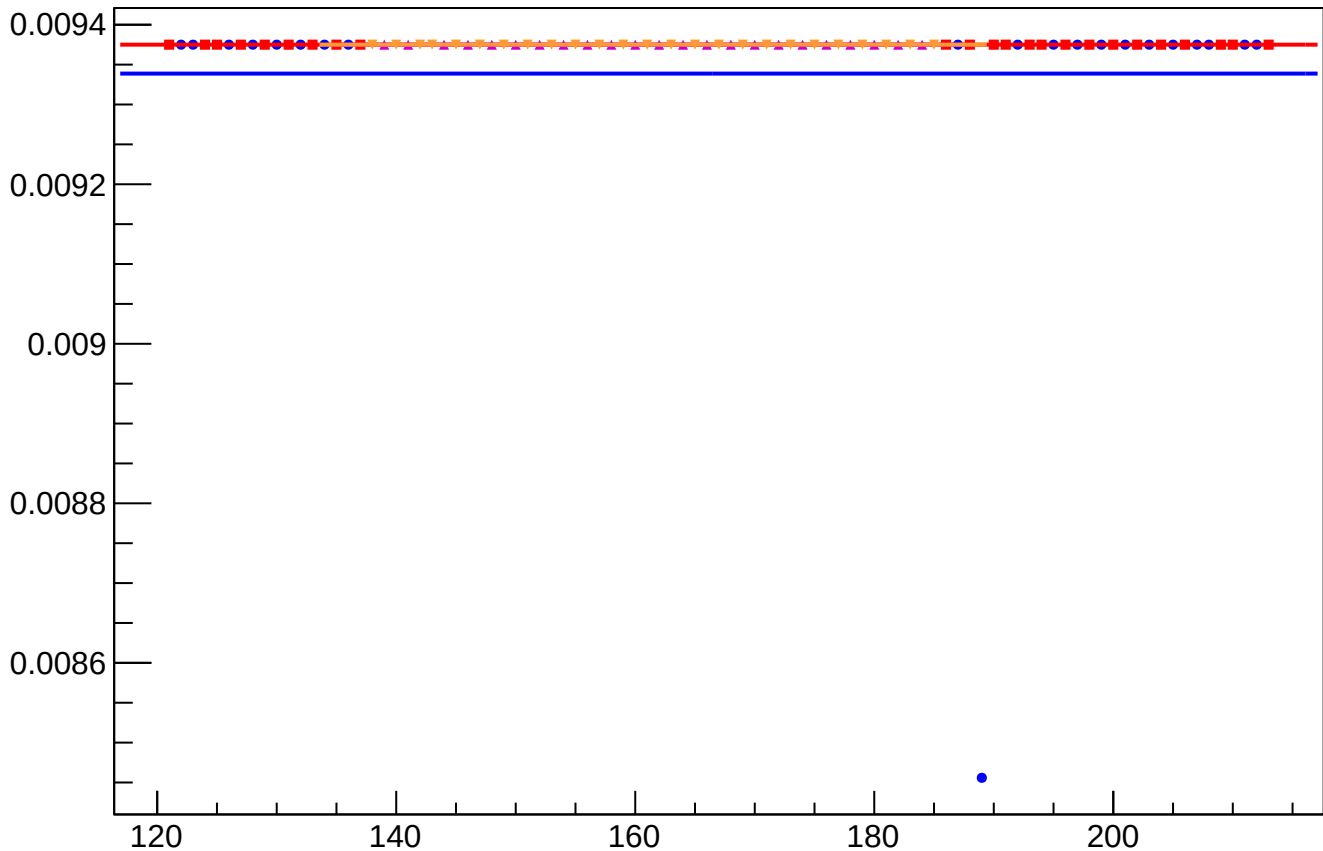
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 971.006+/-0.000 χ^2/NDF : 260170335438425

All: 971.437+/-0.000 χ^2/NDF : 535411689783

- sign 971.870+/-0.000 χ^2/NDF : 275229427410621

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41384285007505429255684096.0/20

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/23

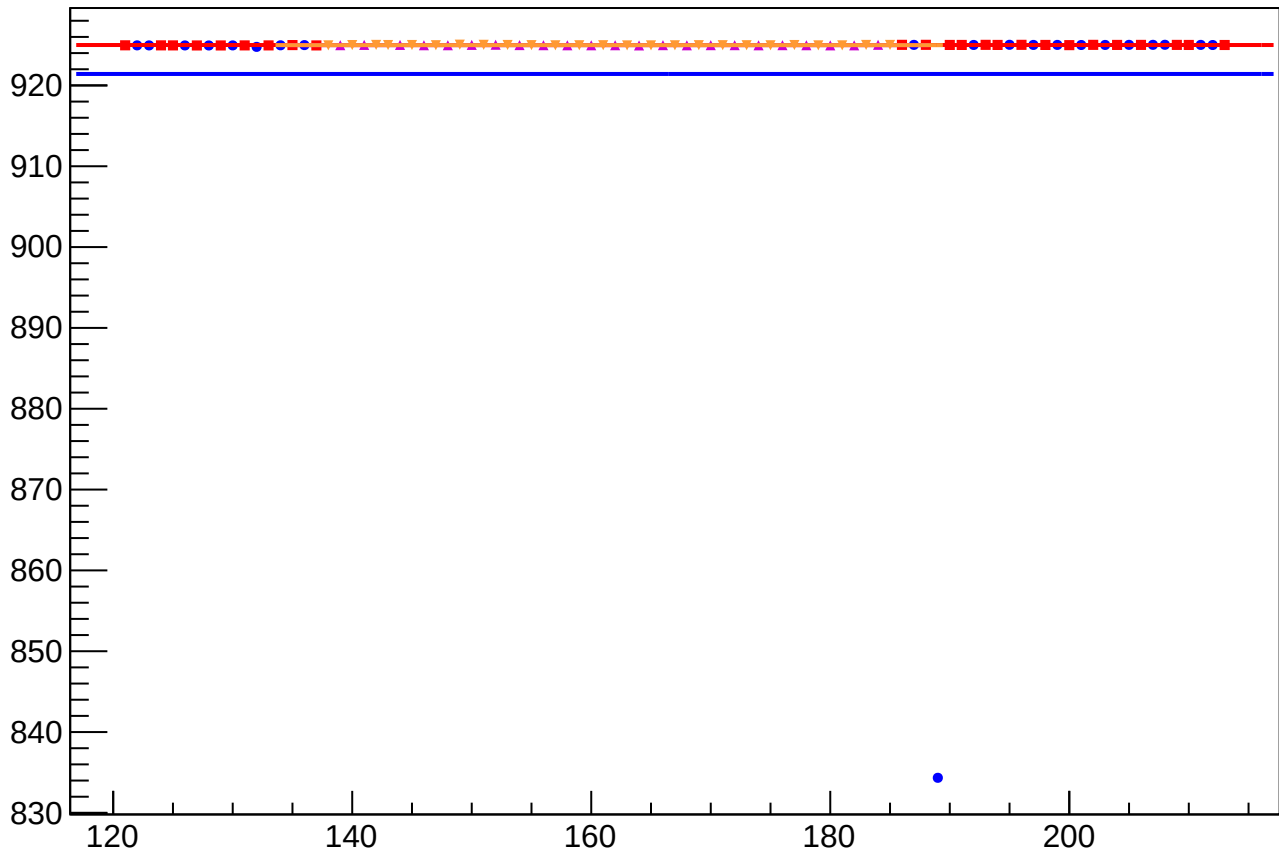
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42397637325300435

All: 0.009+/-0.000 χ^2/NDF : 42739456493945

- sign 0.009+/-0.000 χ^2/NDF : 0.2/46

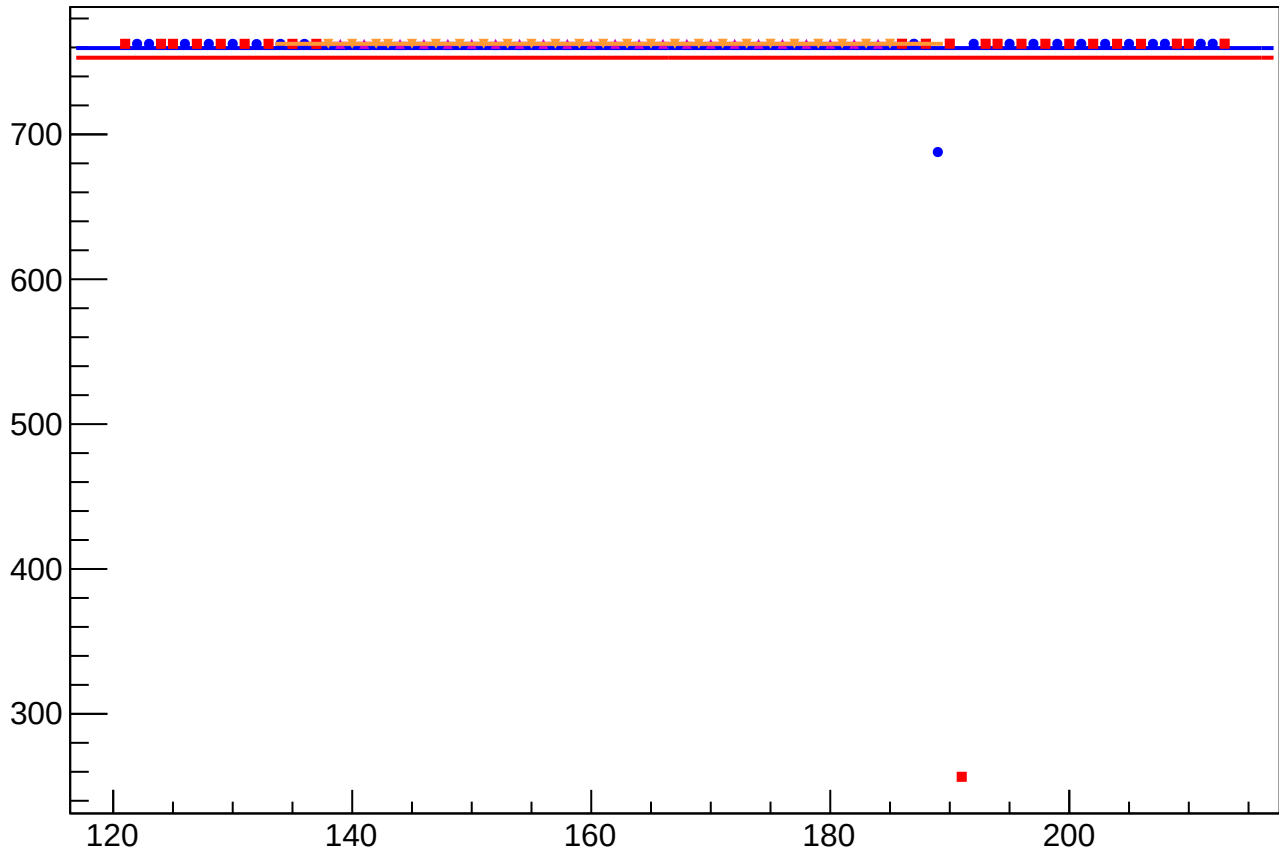
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 921.418 $\pm$ 0.000 χ^2 /NDF: 402583329260500179653343148194660352.0/20
Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
Right Out: 924.999 $\pm$ 0.000 χ^2 /NDF: 887299357447741680844351209472.0/23
Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22

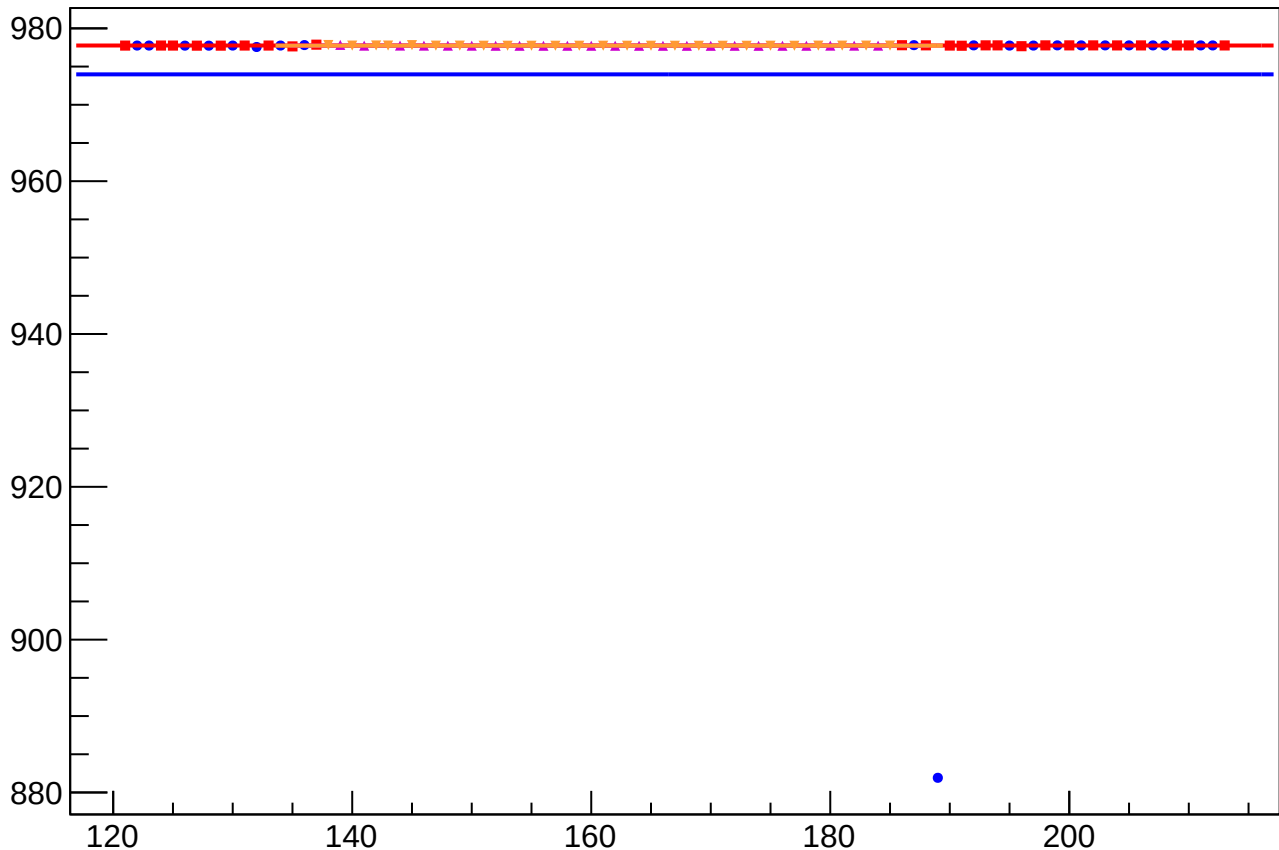
+ sign 923.544 $\pm$ 0.000 χ^2 /NDF: 412383172781063
All: 924.264 $\pm$ 0.000 χ^2 /NDF: 41572288985
- sign 924.990 $\pm$ 0.000 χ^2 /NDF: 196775081354975

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 759.575+/-0.000 χ^2/NDF : 273433017952428467723136544333103104.0/20
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 752.933+/-0.000 χ^2/NDF : 6530215535864048243498307768161402880.0/23
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.865+/-0.000 χ^2/NDF : 689578646295
 + sign 761.330+/-0.000 χ^2/NDF : 280115504695664
 - sign 758.391+/-0.000 χ^2/NDF : 660188276226511

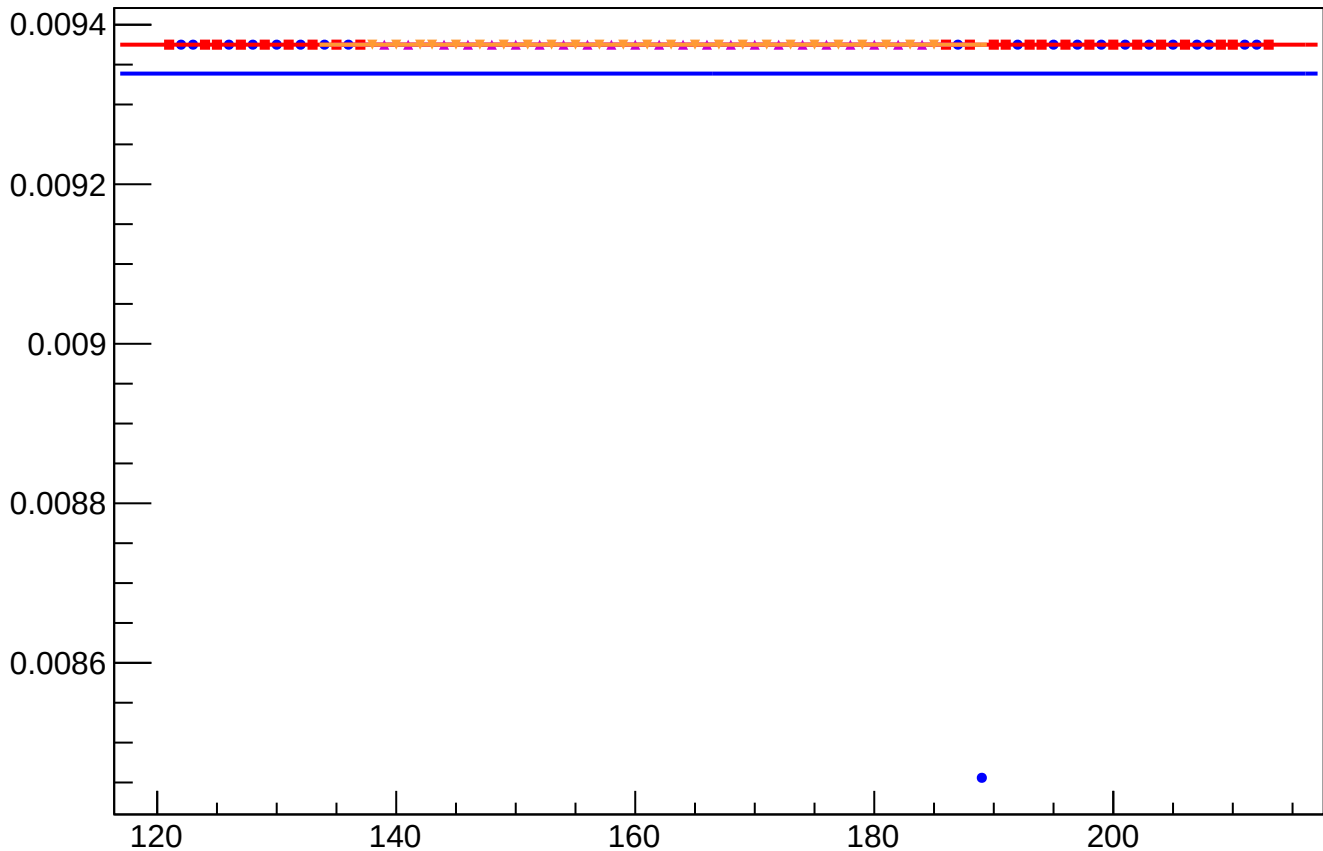
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 973.980 $\pm$ 0.000 χ^2 /NDF: 449978160365898628670003767305830400.0/20
 Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24
 Right Out: 977.756 $\pm$ 0.000 χ^2 /NDF: 1850371035992917768149776990208.0/23
 Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22

+ sign 976.221 $\pm$ 0.000 χ^2 /NDF: 460867352781380
 All: 976.980 $\pm$ 0.000 χ^2 /NDF: 46457450833
 - sign 977.744 $\pm$ 0.000 χ^2 /NDF: 319299445875132

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41384285007505429255684096.0/20

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/23

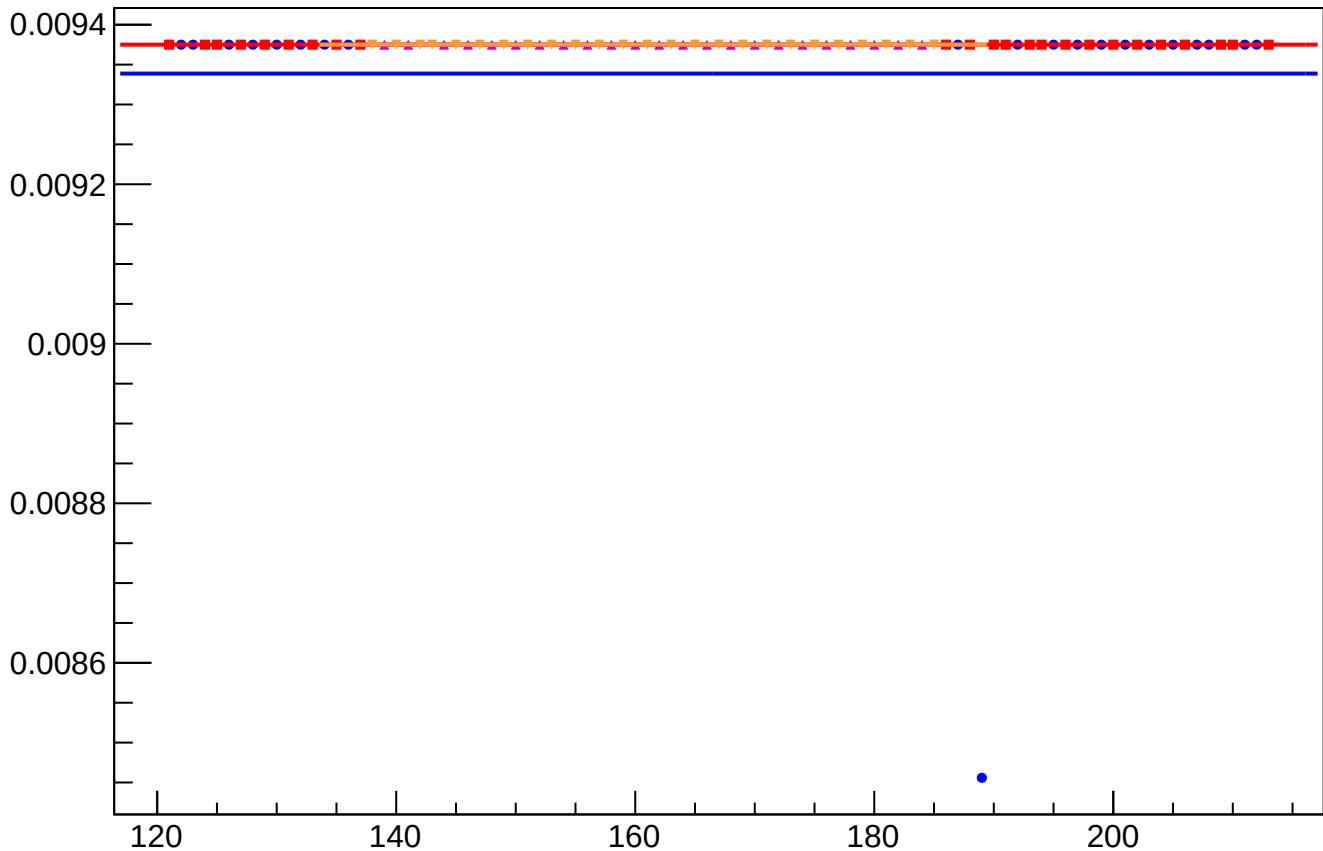
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42397637325300435

All: 0.009+/-0.000 χ^2/NDF : 42739456493945

- sign 0.009+/-0.000 χ^2/NDF : 0.2/46

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41384285007505429255684096.0/20

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/23

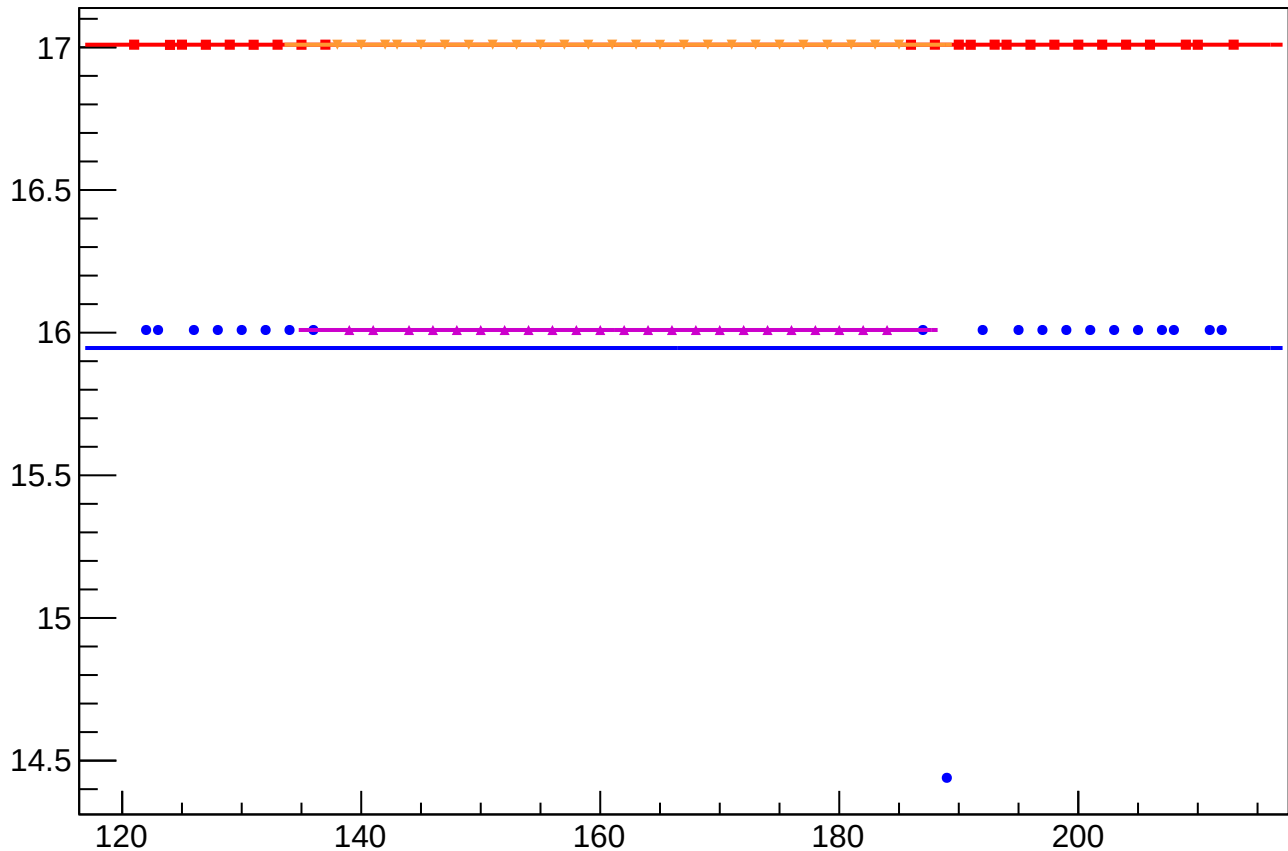
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42397637325300435

All: 0.009+/-0.000 χ^2/NDF : 42739456493945

- sign 0.009+/-0.000 χ^2/NDF : 0.2/46

IGL1I00DI24_24M_mean vs Slug



Right In: 15.946+/-0.000 χ^2/NDF : 120579679716264652590370380578816.0/20

Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24

Right Out: 17.009+/-0.000 χ^2/NDF : 17249027800232680683995136.0/23

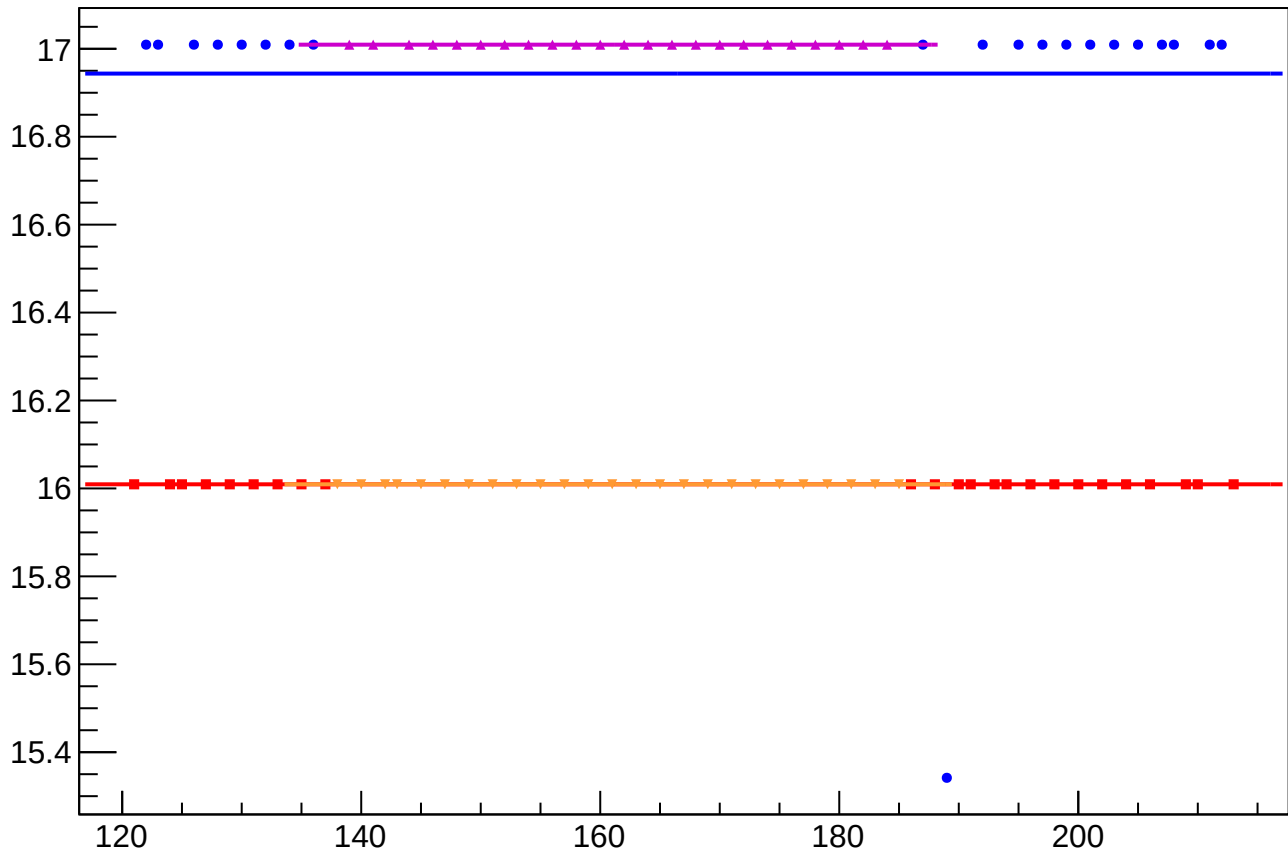
Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.566+/-0.000 χ^2/NDF : 9560687979015766

All: 16.511+/-0.000 χ^2/NDF : 1725126733252

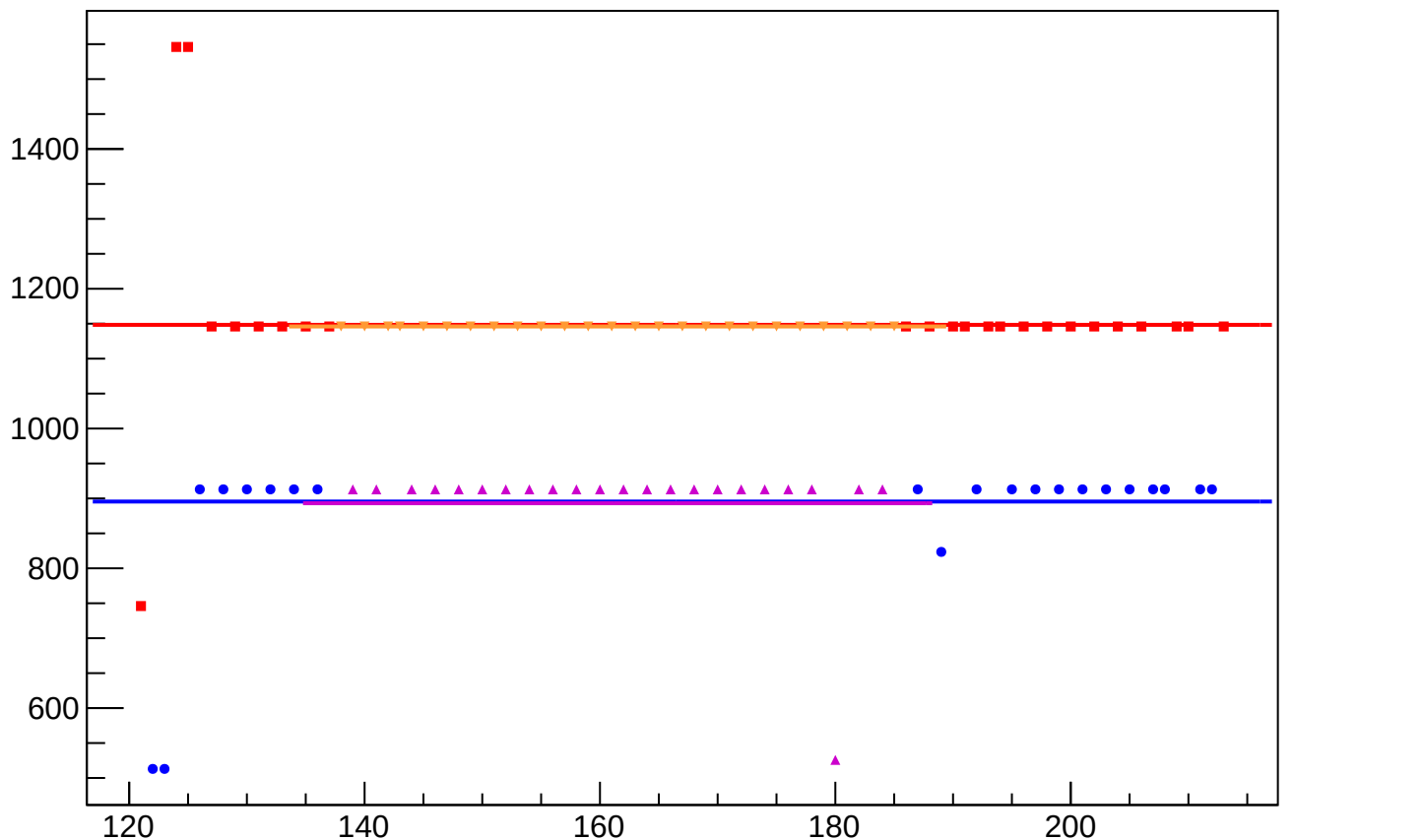
- sign 16.455+/-0.000 χ^2/NDF : 7502248571451404

IGL1I00OD16_16_mean vs Slug



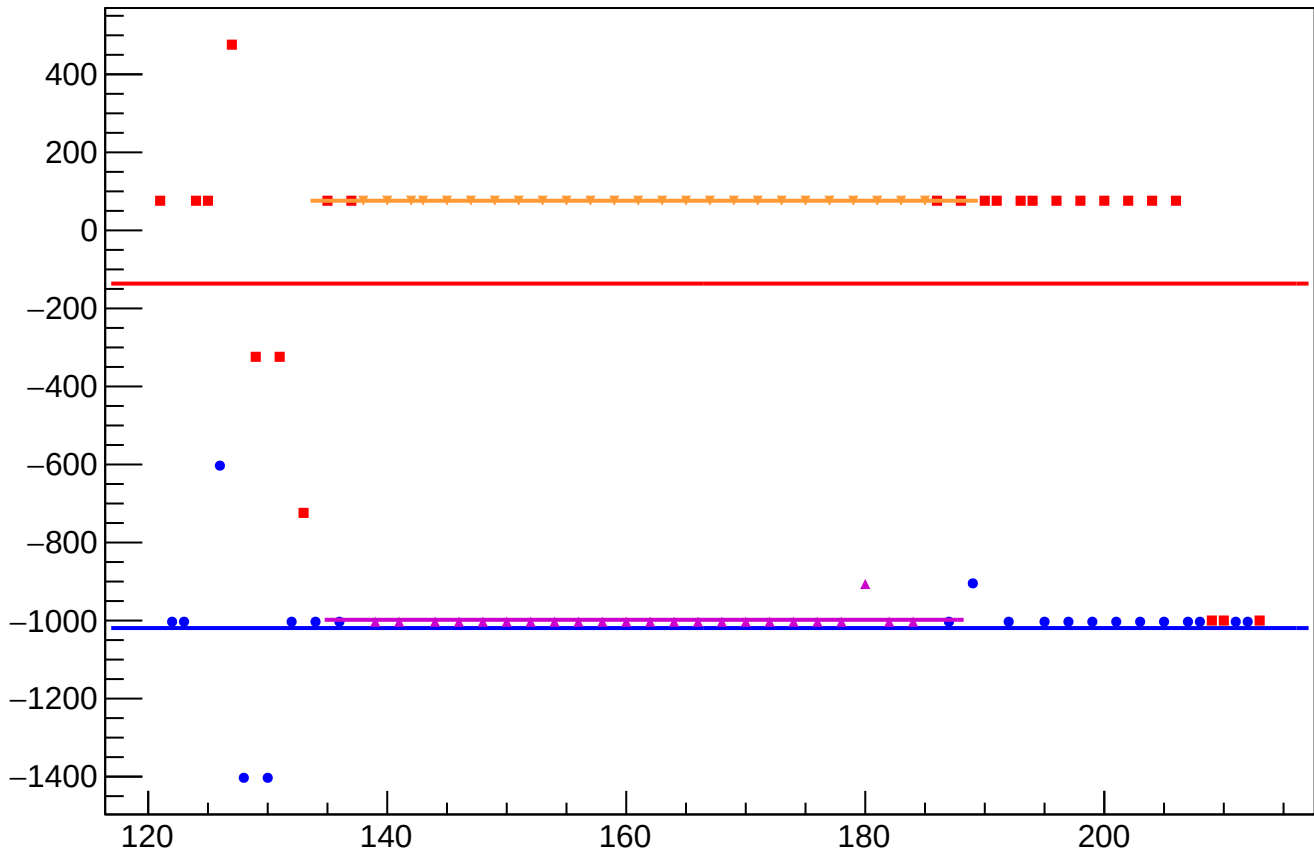
Right In: 16.944 $\pm$ 0.000 χ^2/NDF : 136228603722375205749811620872192.0/20
 Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 249242.2/23
 Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 115033472633445654986752.0/22

RTPAPOSUCNT_mean vs Slug



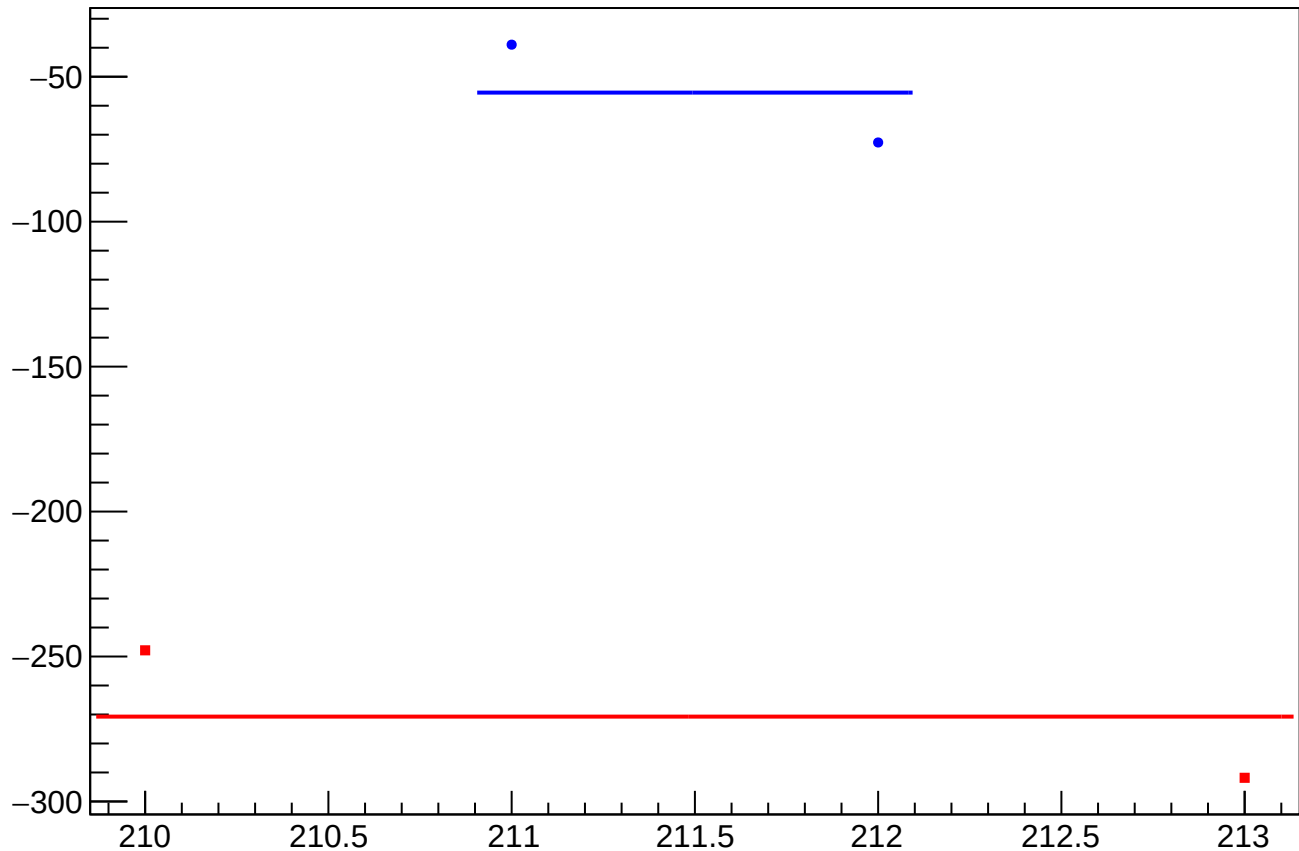
Right In: 895.542+/-0.000 χ^2/NDF : 7214856072287733164750300960559988736.0/20
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24
 Right Out: 1148.345+/-0.000 χ^2/NDF : 13753193684891575041247788327038353408.0/23
 Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1019.218 $\pm$ 0.000 χ^2 /NDF: 23352225669452507252068251611028258816.0/20
 Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 11003263624957134120836661248.0/24
 Right Out: -136.324 $\pm$ 0.000 χ^2 /NDF: 245769535234221074351283229545319104512.0/23
 Left In: -998.020 $\pm$ 0.000 χ^2 /NDF: 826231736084035689068445378231140352.0/22

RTPPITA1CNT_mean vs Slug



Right In: -55.479+/-0.000 χ^2/NDF : 42949061990506951287631176628436992.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

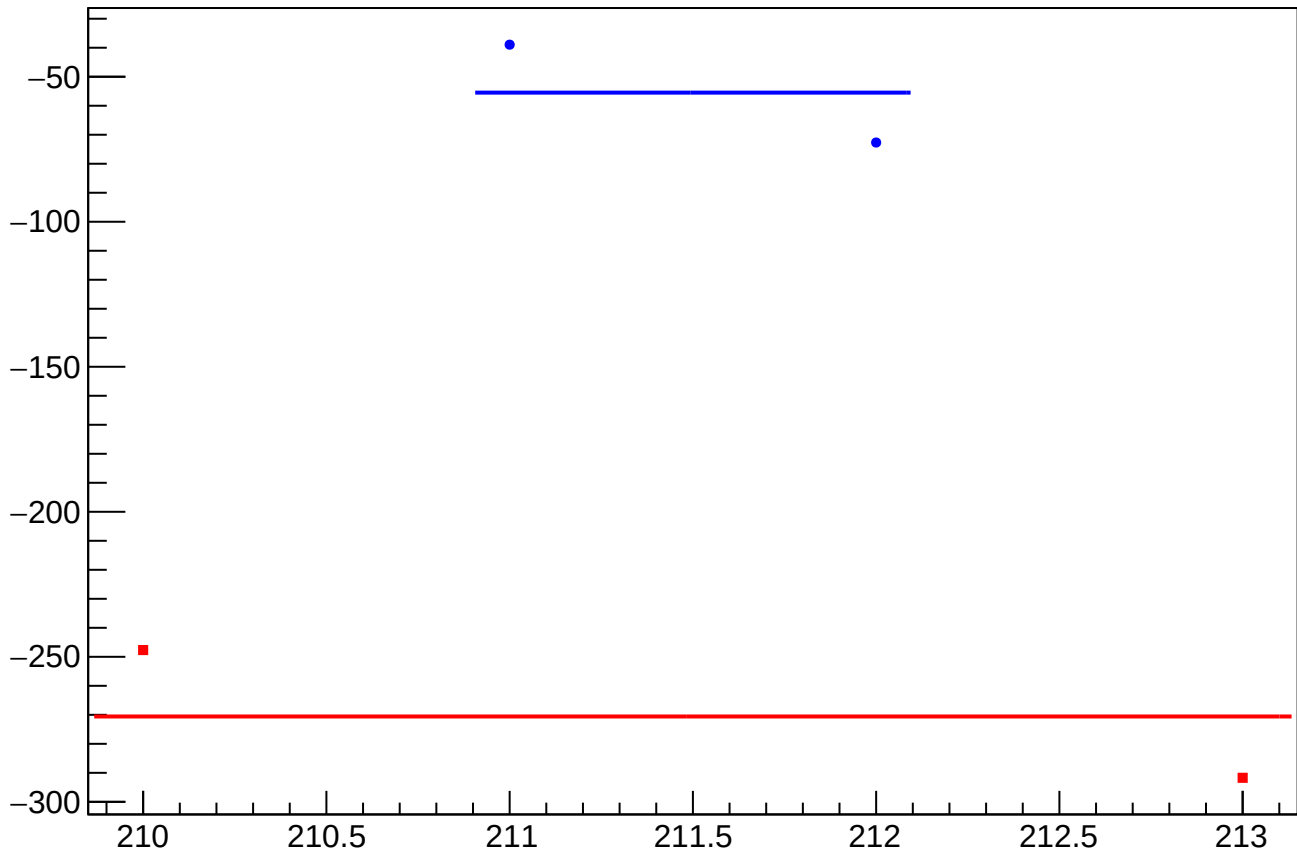
All: -162.746+/-0.000 χ^2/NDF : 36018285664

Right Out: -270.729+/-0.000 χ^2/NDF : 72391751130083692399004283901575168.0/1

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

RTPPITA2CNT_mean vs Slug



Right In: -55.479+/-0.000 χ^2/NDF : 42949061990506951287631176628436992.0/1

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -162.669+/-0.000 χ^2/NDF : 35970576006

Right Out: -270.574+/-0.000 χ^2/NDF : 72629179805941194116968620035670016.0/1

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0