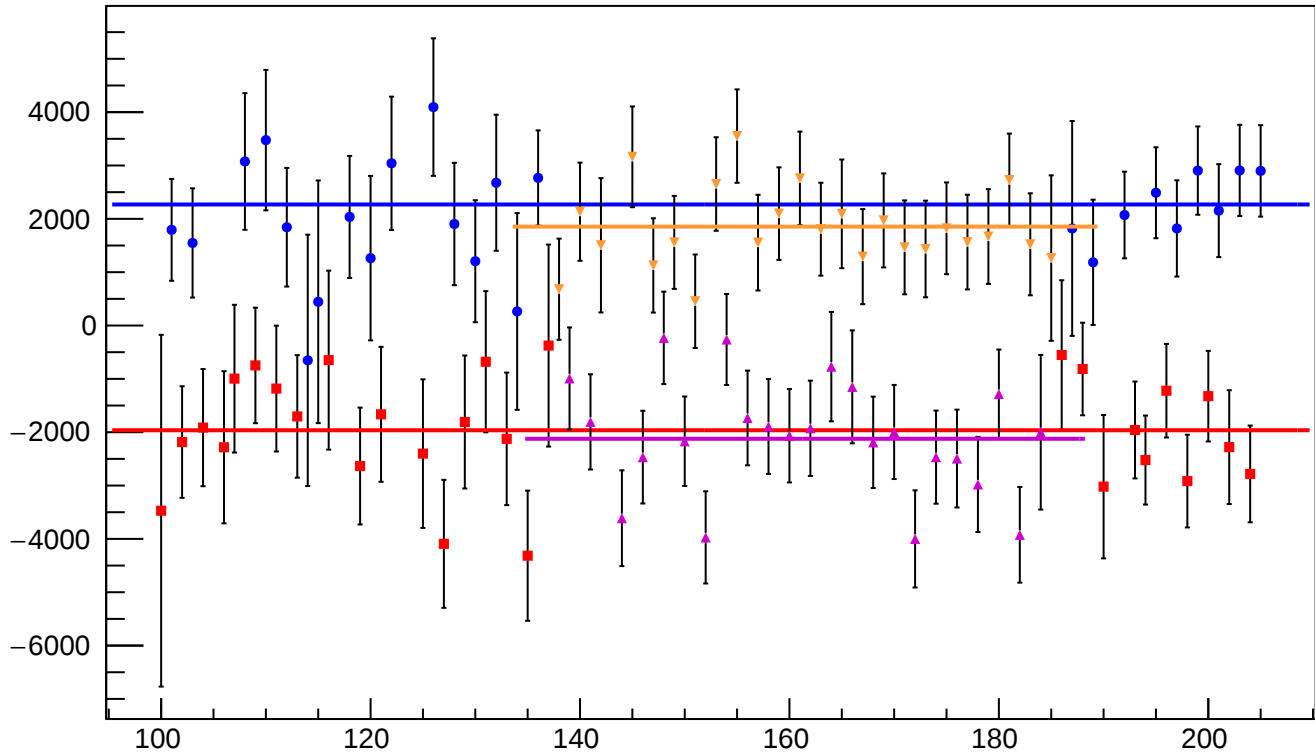


reg_asym_us_avg_mean vs Slug



Right In: 2269.220+/-217.511

χ^2/NDF : 12.7/24

Left Out: 1854.267+/-187.405

χ^2/NDF : 15.1/23

Right Out: -1963.304+/-212.423

χ^2/NDF : 19.4/27

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 2031.061+/-141.976

χ^2/NDF : 29.9/48

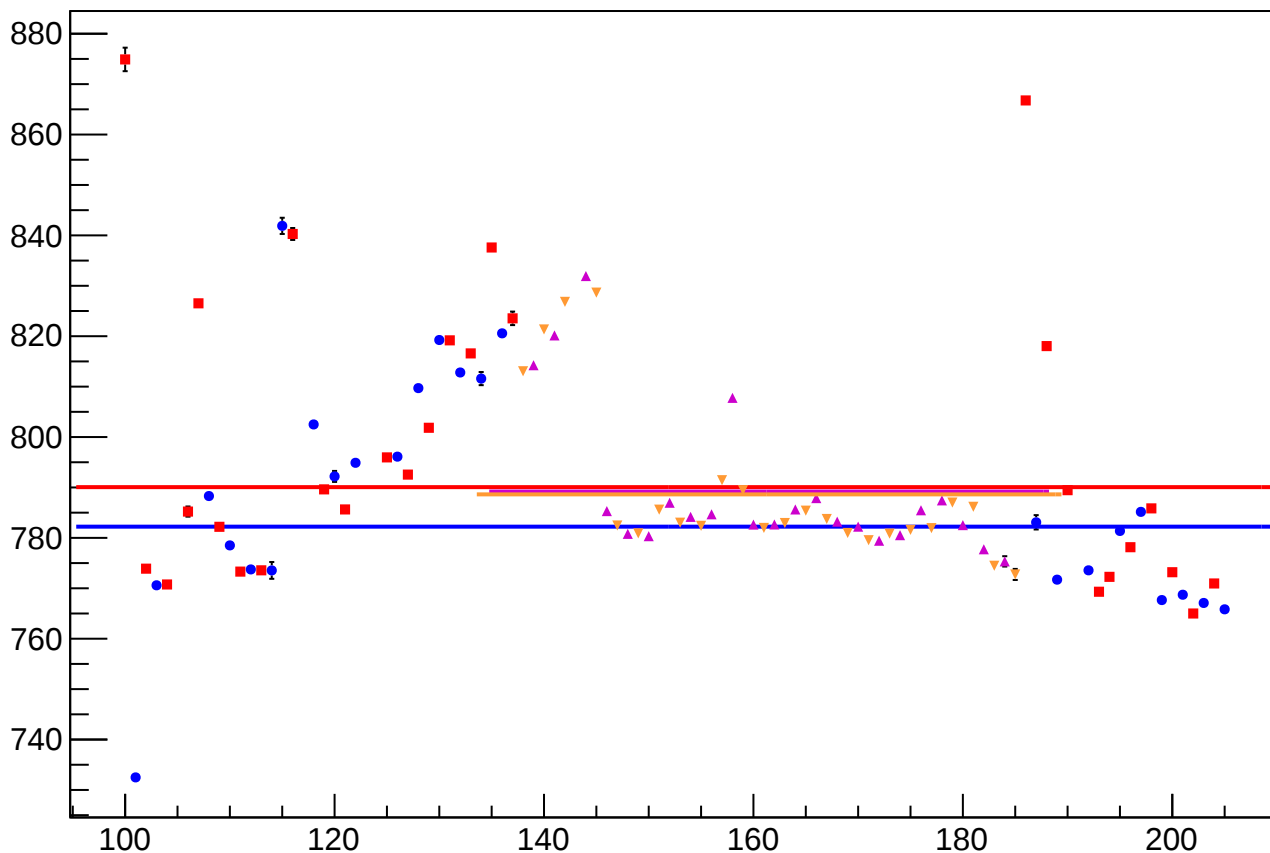
All: -23.883+/-100.070

χ^2/NDF : 498.0/99

- sign -2052.648+/-141.069

χ^2/NDF : 51.8/50

reg_asym_us_avg_rms vs Slug



Right In: 782.225 $\pm$ 0.154 χ^2 /NDF: 19891.1/24

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

Right Out: 790.064 $\pm$ 0.150 χ^2 /NDF: 25564.3/27

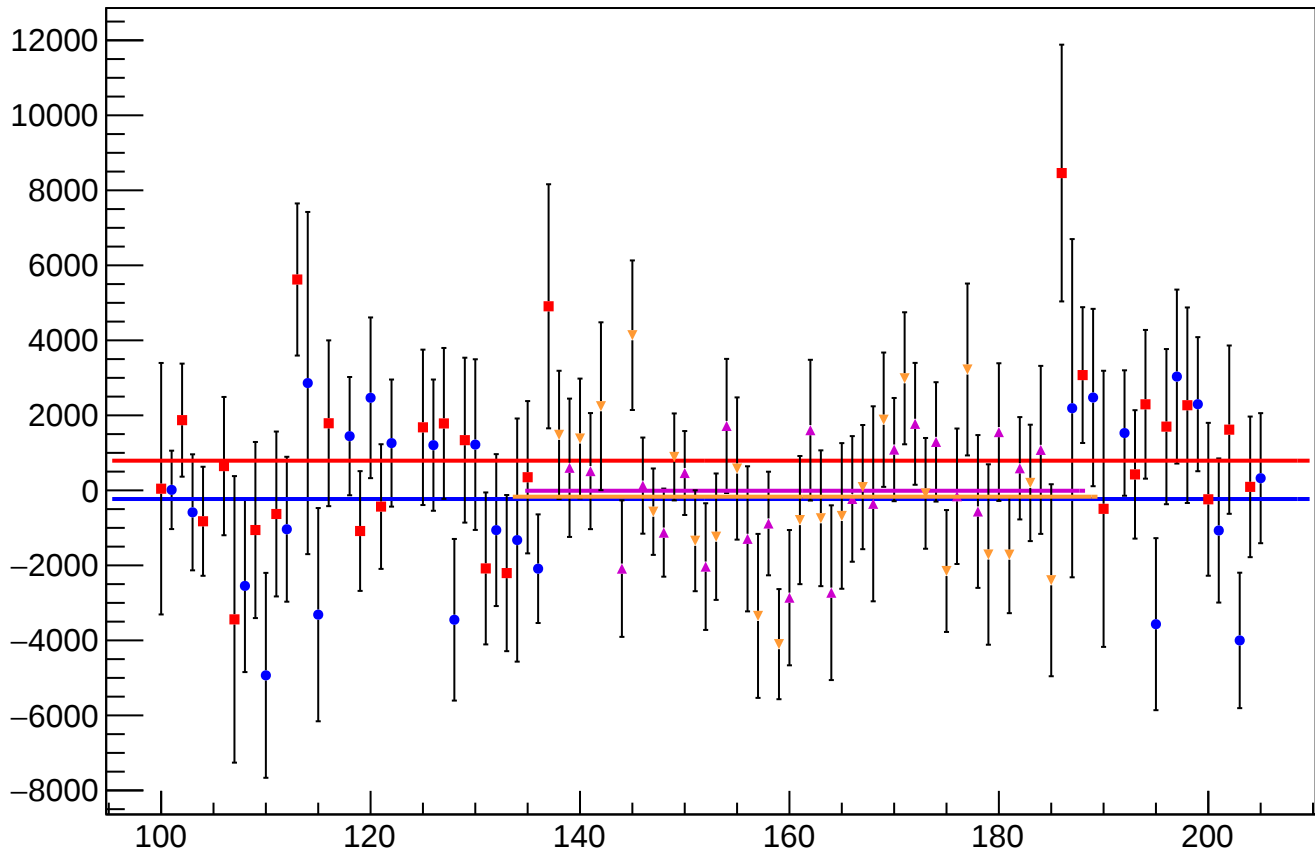
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

+ sign 785.901 $\pm$ 0.100 χ^2 /NDF: 32364.4/48

All: 787.748 $\pm$ 0.071 χ^2 /NDF: 69964.2/99

- sign 789.572 $\pm$ 0.100 χ^2 /NDF: 36926.7/50

asym_us_avg_correction_mean vs Slug



Right In: -230.591 ± 383.467 χ^2/NDF : 28.1/24

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

Right Out: 791.496 ± 388.711 χ^2/NDF : 26.5/27

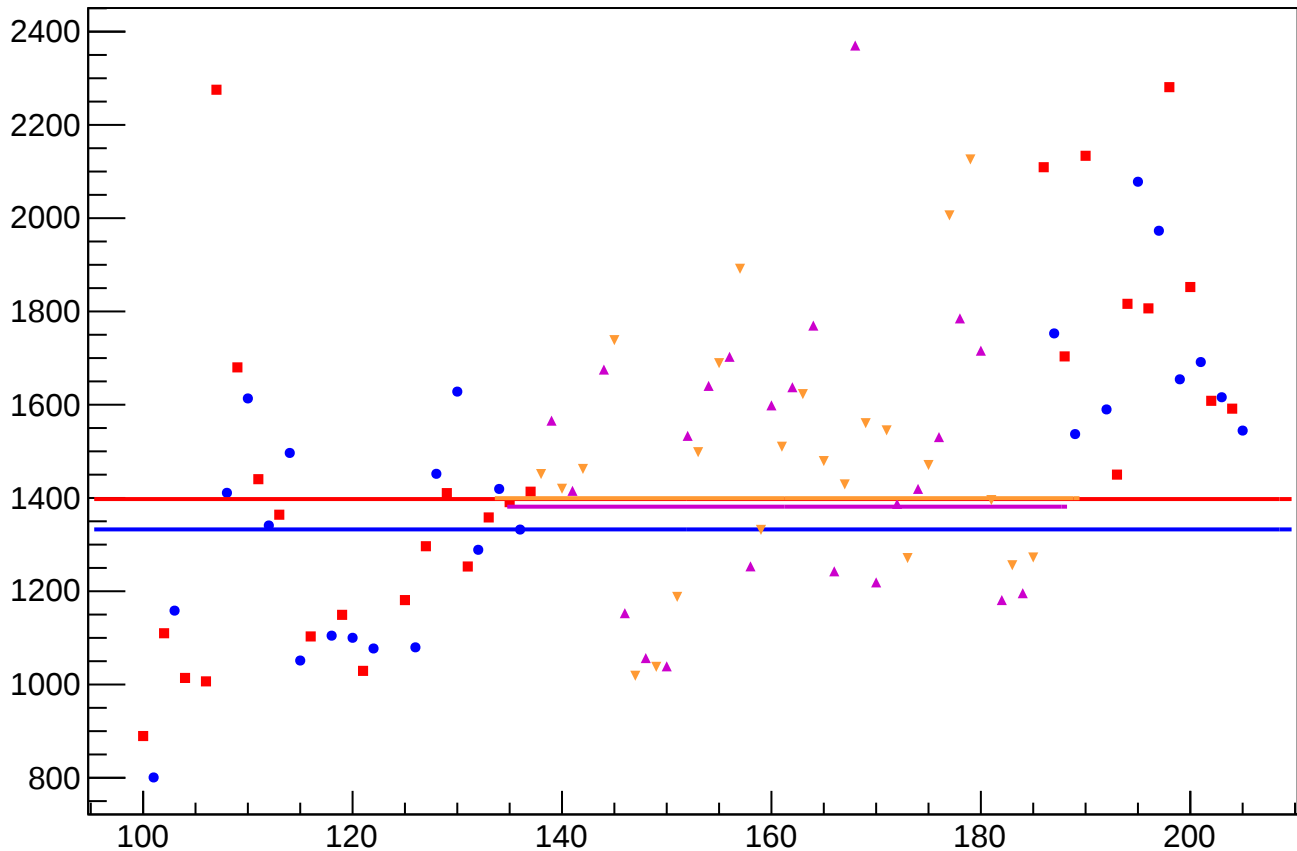
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -196.240 ± 254.566 χ^2/NDF : 58.1/48

All: 68.858 ± 180.151 χ^2/NDF : 103.4/99

- sign 334.815 ± 254.978 χ^2/NDF : 43.1/50

asym_us_avg_correction_rms vs Slug



Right In: 1332.602 $\pm$ 0.271 χ^2 /NDF: 1440914.1/24

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

+ sign 1370.067 $\pm$ 0.180 χ^2 /NDF: 2594171.3/48

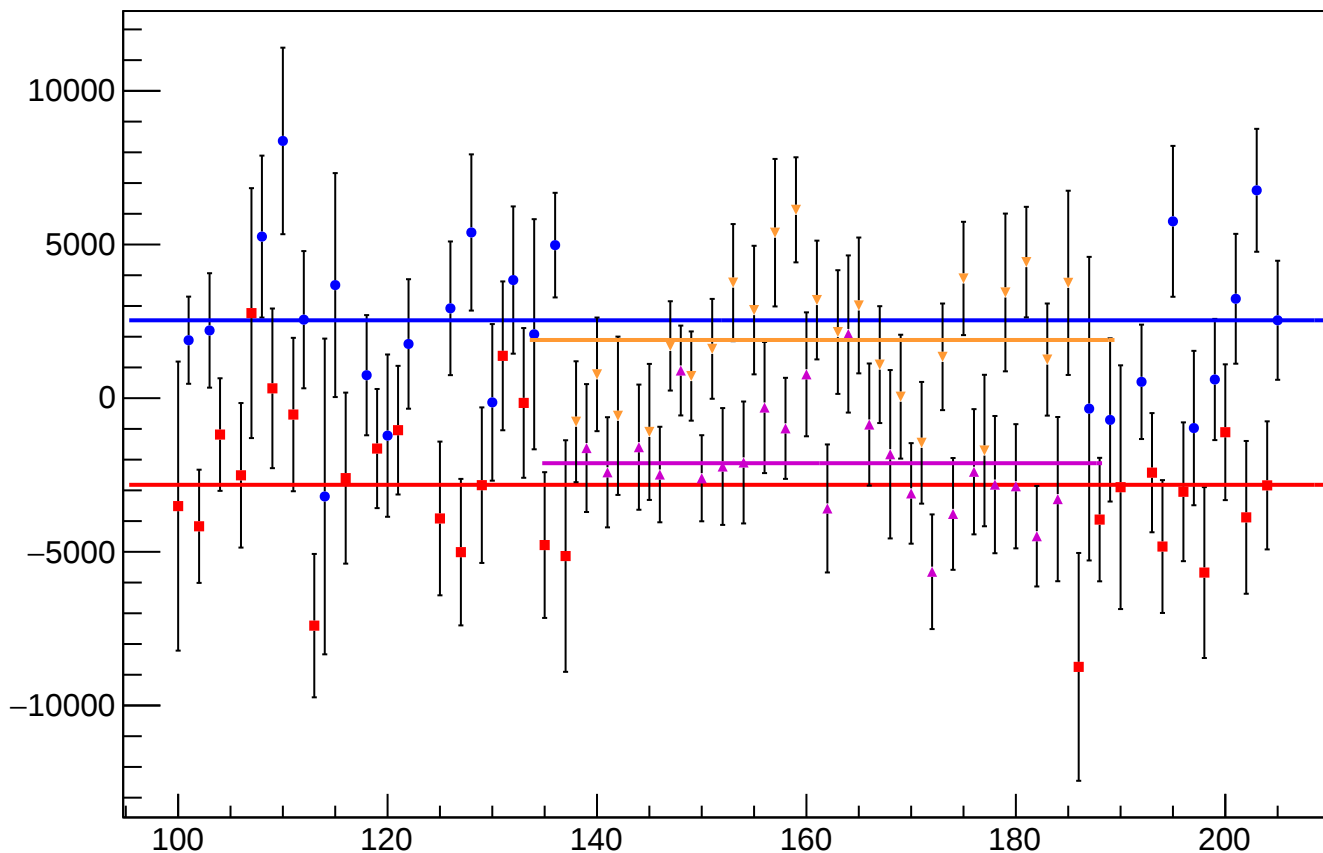
Right Out: 1397.686 $\pm$ 0.275 χ^2 /NDF: 1464780.6/27

All: 1379.210 $\pm$ 0.127 χ^2 /NDF: 5342619.7/99

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

- sign 1388.384 $\pm$ 0.180 χ^2 /NDF: 2743279.1/50

asym_us_avg_mean vs Slug



Right In: 2533.891 $\pm$ 452.367 χ^2 /NDF: 26.3/24

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

Right Out: -2819.356 $\pm$ 453.572 χ^2 /NDF: 22.4/27

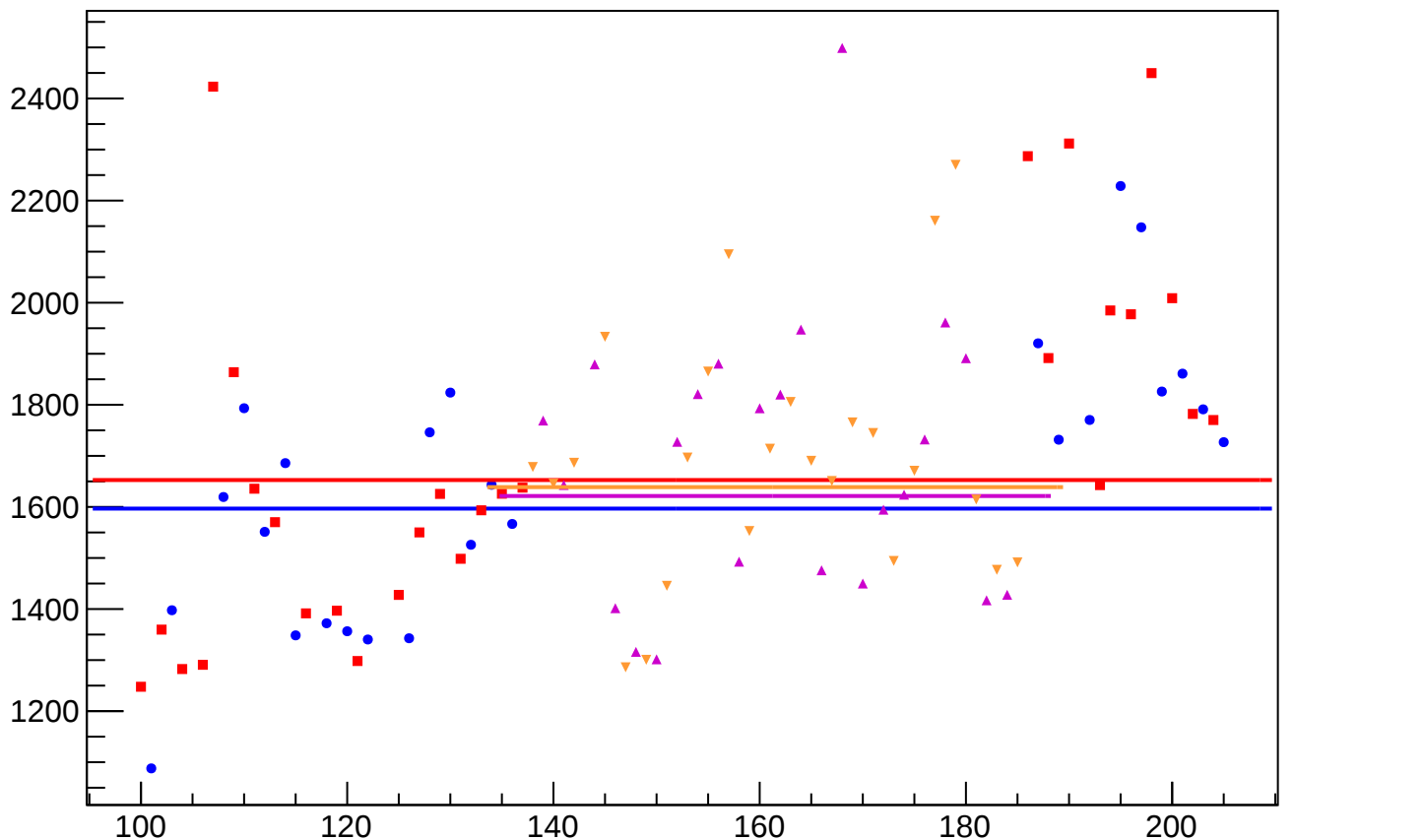
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2170.423 $\pm$ 297.483 χ^2 /NDF: 53.4/48

All: -127.230 $\pm$ 210.187 χ^2 /NDF: 215.1/99

- sign -2417.671 $\pm$ 297.015 χ^2 /NDF: 42.6/50

asym_us_avg_rms vs Slug



Right In: 1596.739 $\pm$ 0.320 χ^2 /NDF: 770960.2/24

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

Right Out: 1652.679 $\pm$ 0.321 χ^2 /NDF: 880448.4/27

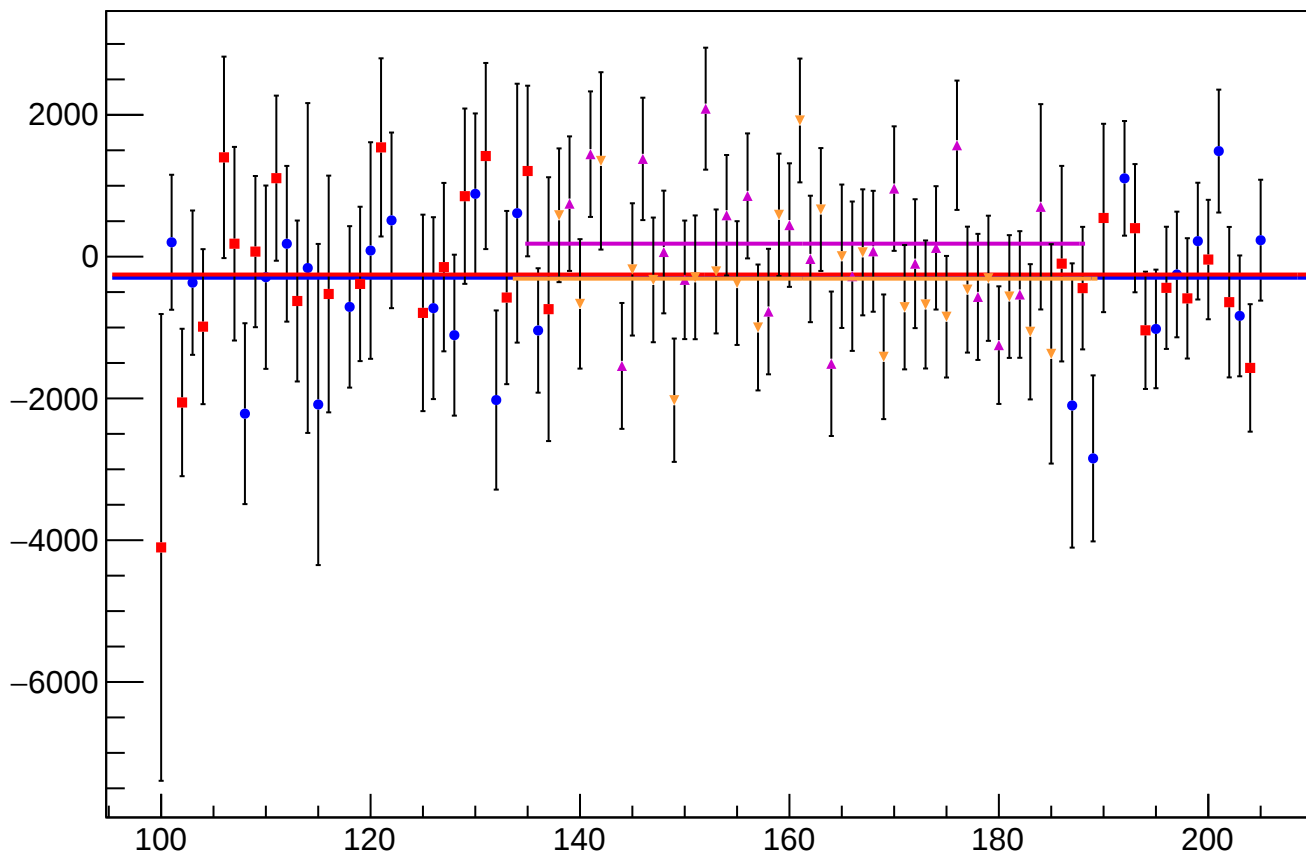
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1620.614 $\pm$ 0.210 χ^2 /NDF: 1452682.8/48

All: 1627.729 $\pm$ 0.149 χ^2 /NDF: 3116152.7/99

- sign 1634.822 $\pm$ 0.210 χ^2 /NDF: 1661185.2/50

reg_asym_us_dd_mean vs Slug



Right In: -297.201 ± 215.695 χ^2/NDF : 23.2/24

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

Right Out: -252.497 ± 210.307 χ^2/NDF : 18.5/27

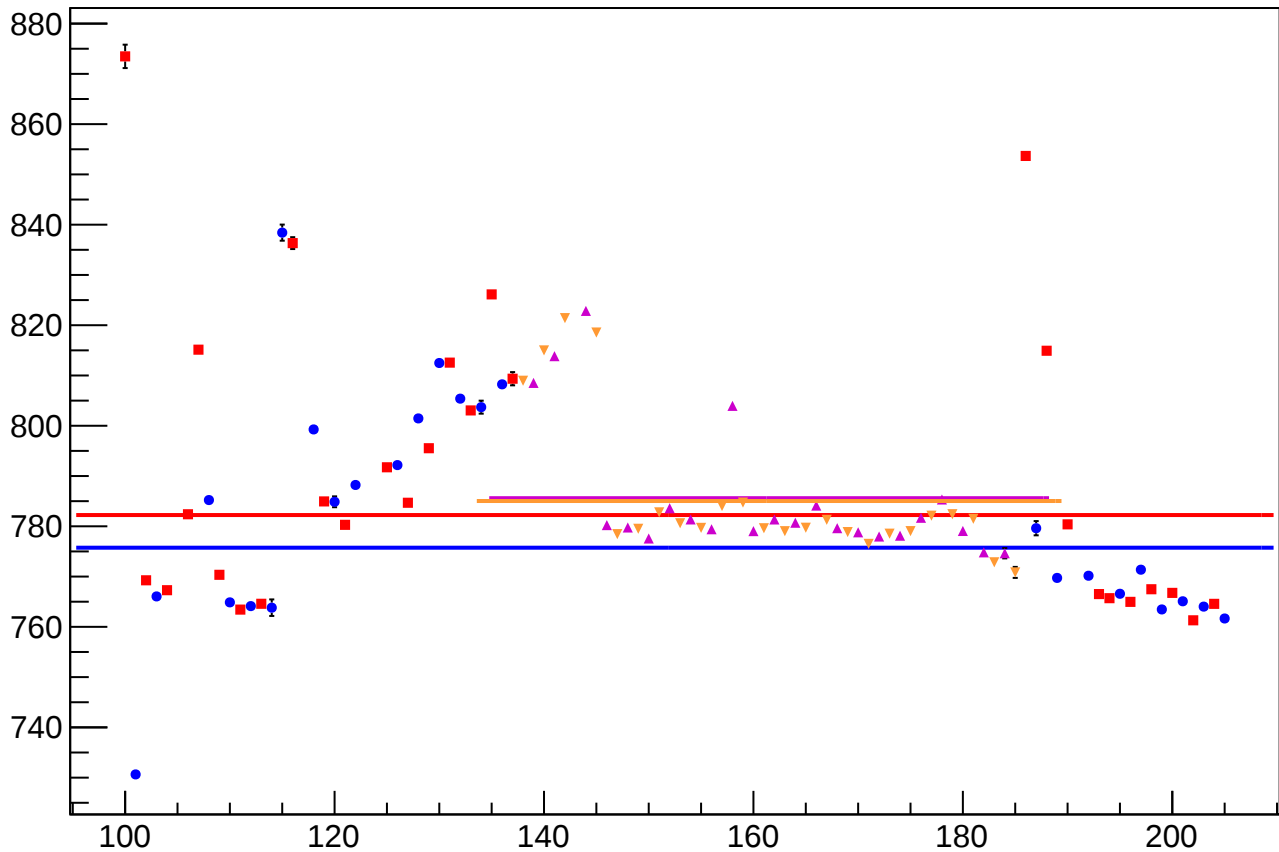
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -304.845 ± 141.093 χ^2/NDF : 43.3/48

All: -156.509 ± 99.410 χ^2/NDF : 92.5/99

- sign -10.284 ± 140.086 χ^2/NDF : 47.0/50

reg_asym_us_dd_rms vs Slug



Right In: 775.744 $\pm$ 0.153 χ^2 /NDF: 17736.9/24

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

Right Out: 782.238 $\pm$ 0.149 χ^2 /NDF: 25086.5/27

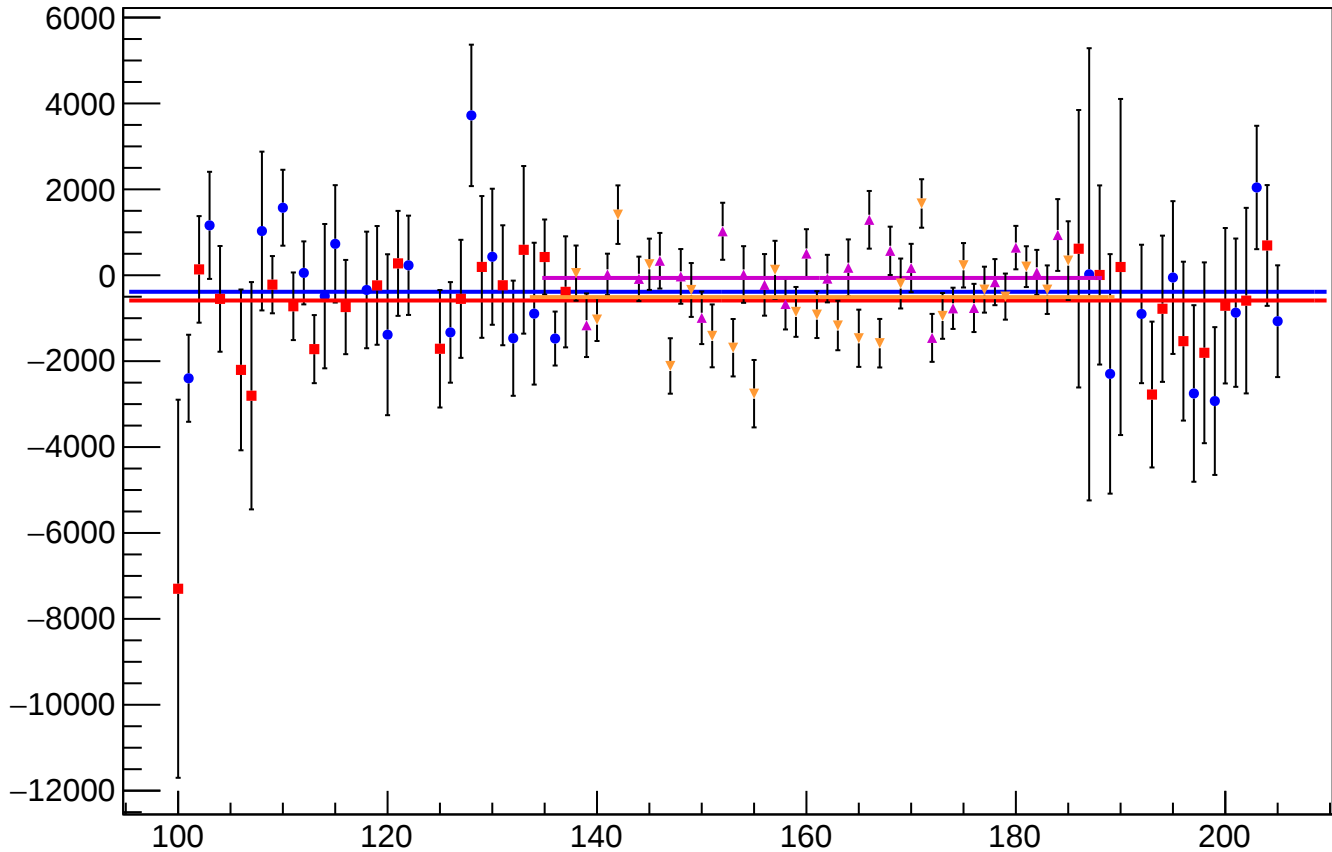
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 781.057 $\pm$ 0.100 χ^2 /NDF: 29226.0/48

All: 782.591 $\pm$ 0.070 χ^2 /NDF: 64439.0/99

- sign 784.104 $\pm$ 0.099 χ^2 /NDF: 34743.2/50

asym_us_dd_correction_mean vs Slug



Right In: -384.842 ± 255.482 χ^2/NDF : 30.8/24

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

Right Out: -587.842 ± 249.899 χ^2/NDF : 13.1/27

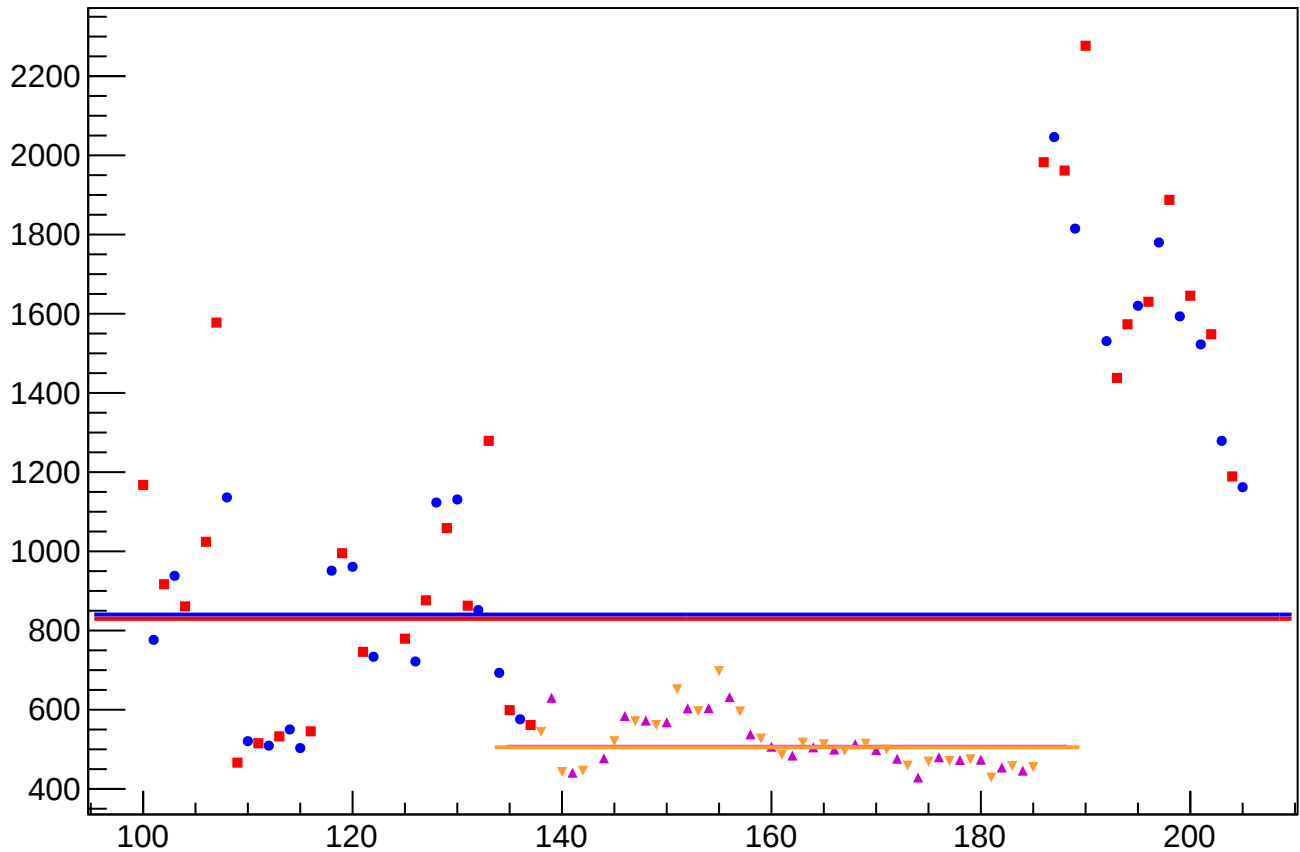
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -486.448 ± 109.496 χ^2/NDF : 91.5/48

All: -325.418 ± 77.485 χ^2/NDF : 141.4/99

- sign -163.887 ± 109.666 χ^2/NDF : 45.5/50

asym_us_dd_correction_rms vs Slug



Right In: 840.328 $\pm$ 0.181 χ^2 /NDF: 4000960.6/24

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

Right Out: 829.621 $\pm$ 0.177 χ^2 /NDF: 5341054.9/27

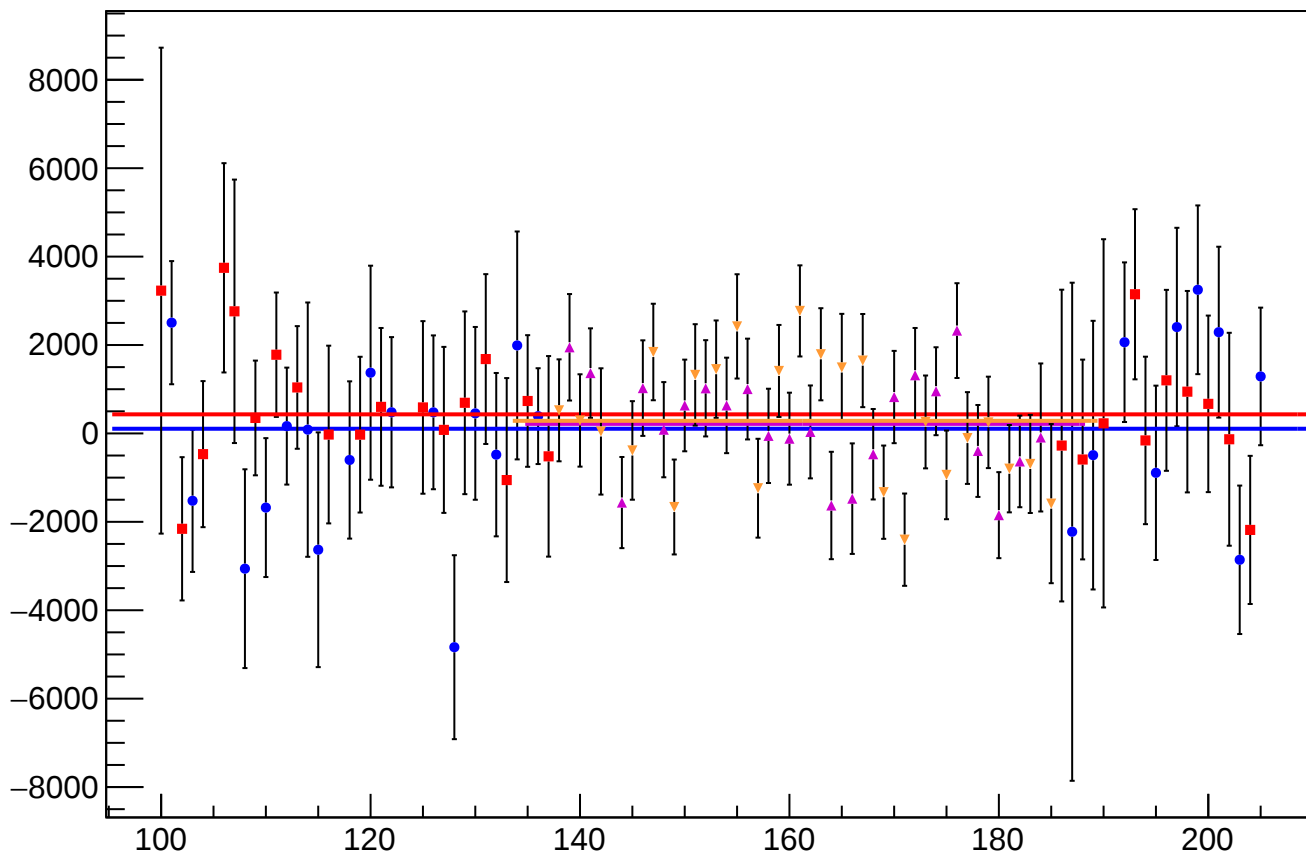
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 566.774 $\pm$ 0.077 χ^2 /NDF: 7295451.1/48

All: 567.701 $\pm$ 0.055 χ^2 /NDF: 15774881.8/99

- sign 568.630 $\pm$ 0.078 χ^2 /NDF: 8479143.9/50

asym_us_dd_mean vs Slug



Right In: 105.816 $\pm$ 365.150 χ^2 /NDF: 25.6/24

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

Right Out: 431.624 $\pm$ 363.913 χ^2 /NDF: 13.1/27

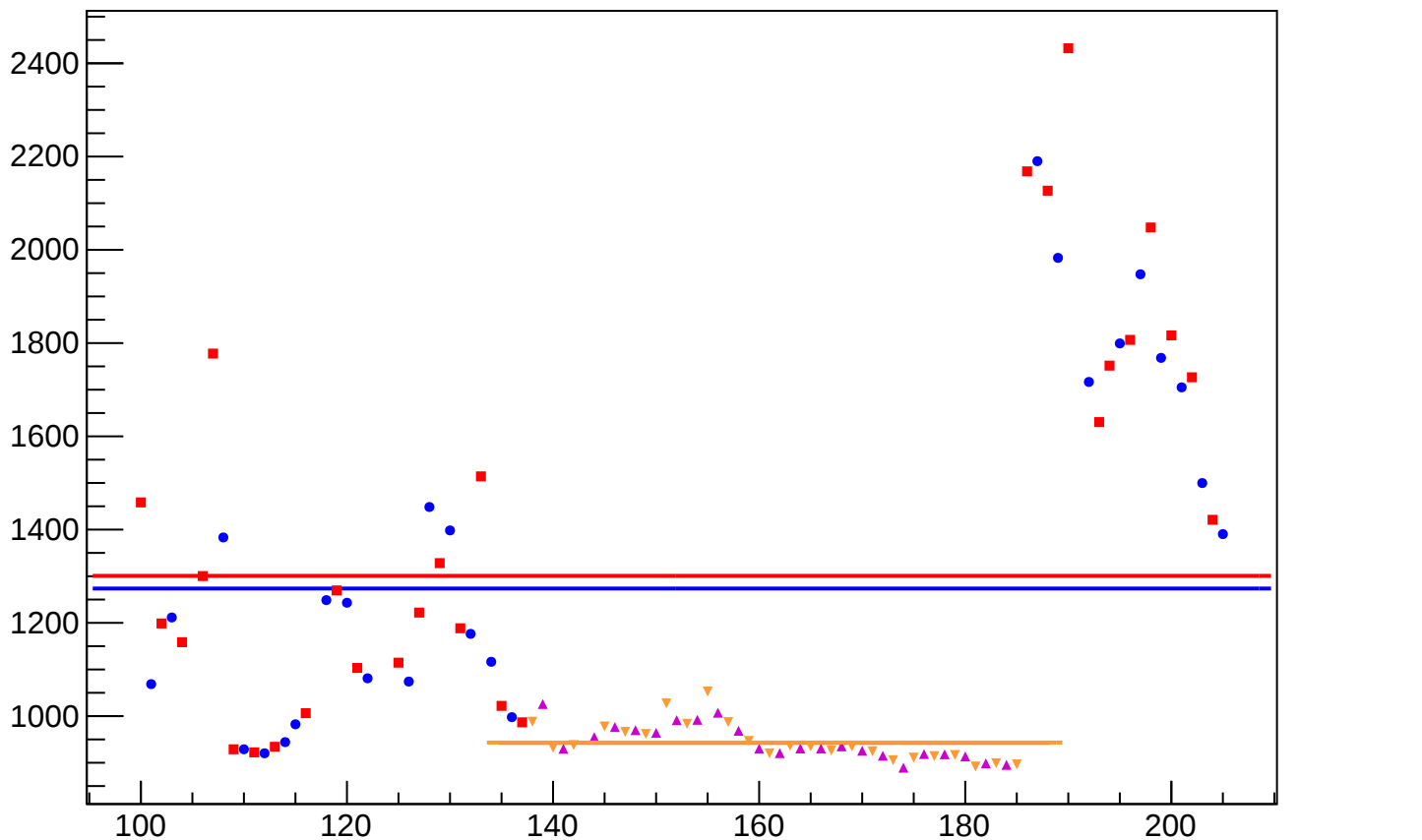
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 235.992 $\pm$ 191.170 χ^2 /NDF: 64.0/48

All: 255.910 $\pm$ 135.380 χ^2 /NDF: 101.8/99

- sign 275.949 $\pm$ 191.744 χ^2 /NDF: 37.7/50

asym_us_dd_rms vs Slug



Right In: 1273.622+/-0.258 χ^2/NDF : 1443672.1/24

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

Right Out: 1300.780+/-0.257 χ^2/NDF : 1998257.8/27

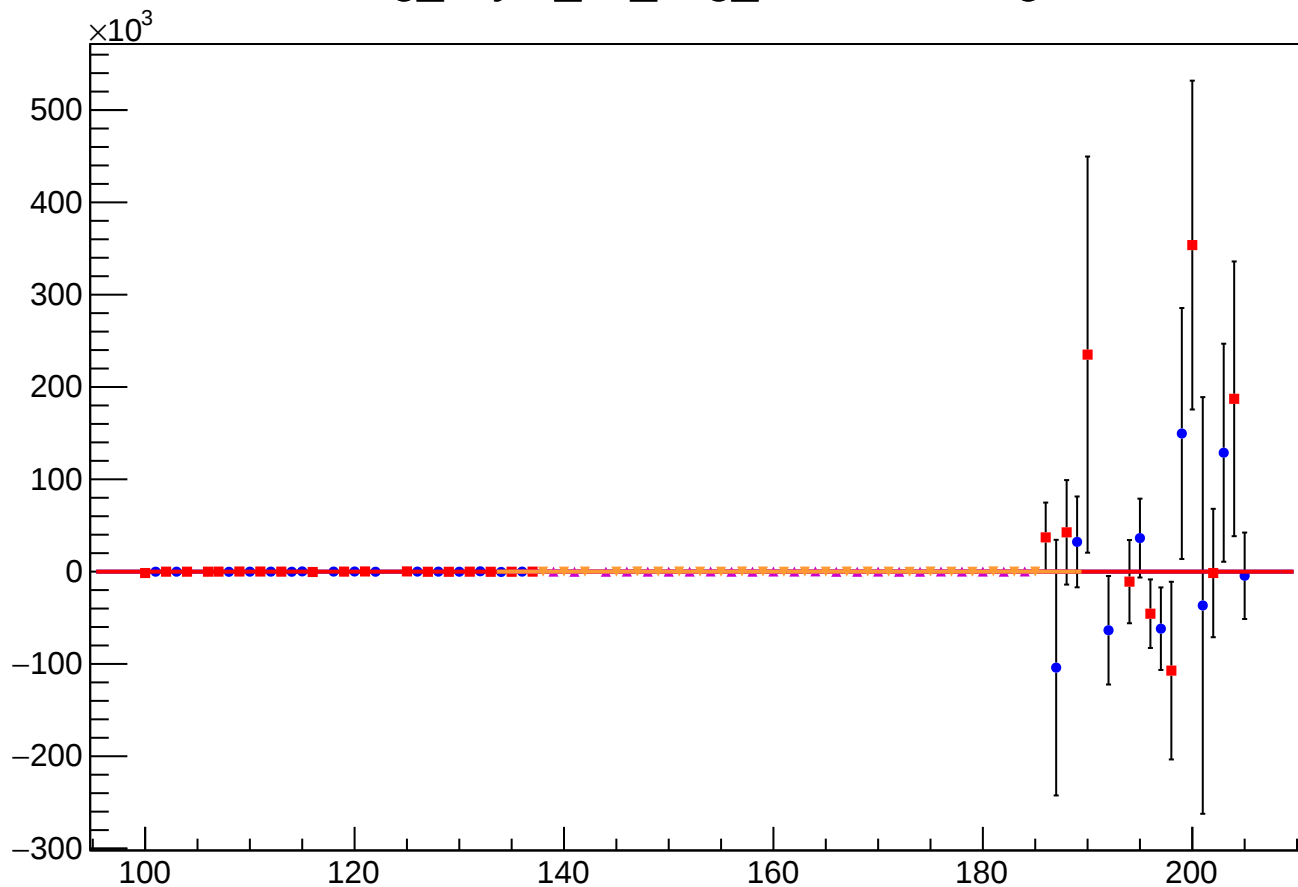
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1033.876+/-0.135 χ^2/NDF : 2691747.4/48

All: 1038.062+/-0.096 χ^2/NDF : 6137380.1/99

- sign 1042.274+/-0.136 χ^2/NDF : 3443708.7/50

reg_asym_ds_avg_mean vs Slug



Right In: -15.557 ± 30.032 χ^2/NDF : 23.2/24

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

Right Out: -31.741 ± 30.492 χ^2/NDF : 27.9/26

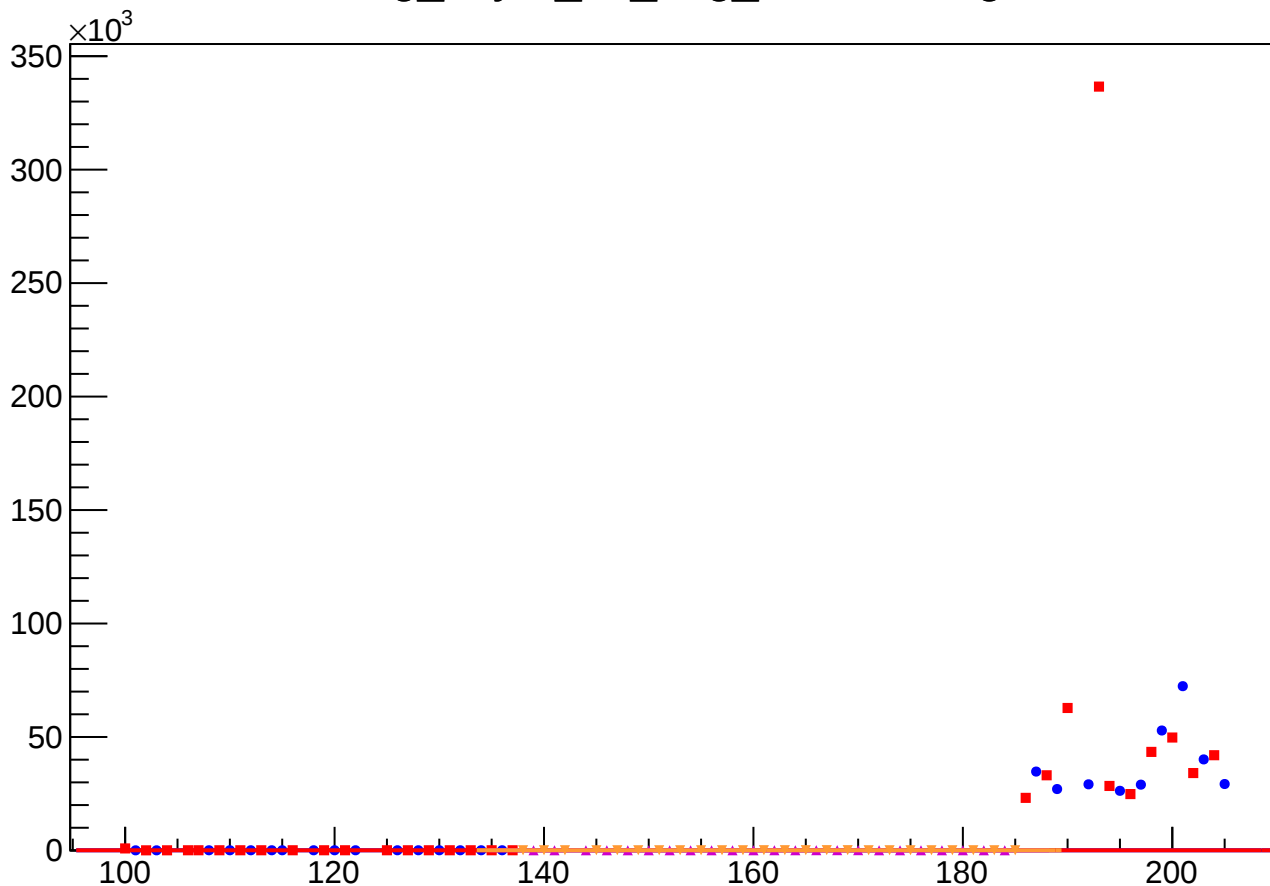
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.805 ± 17.464 χ^2/NDF : 45.9/48

All: 0.905 ± 12.403 χ^2/NDF : 98.5/98

- sign 4.680 ± 17.617 χ^2/NDF : 52.5/49

reg_asym_ds_avg_rms vs Slug



Right In: 76.118 $\pm$ 0.021 χ^2 /NDF: 4864296.6/24

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

Right Out: 79.442 $\pm$ 0.022 χ^2 /NDF: 5003925.8/27

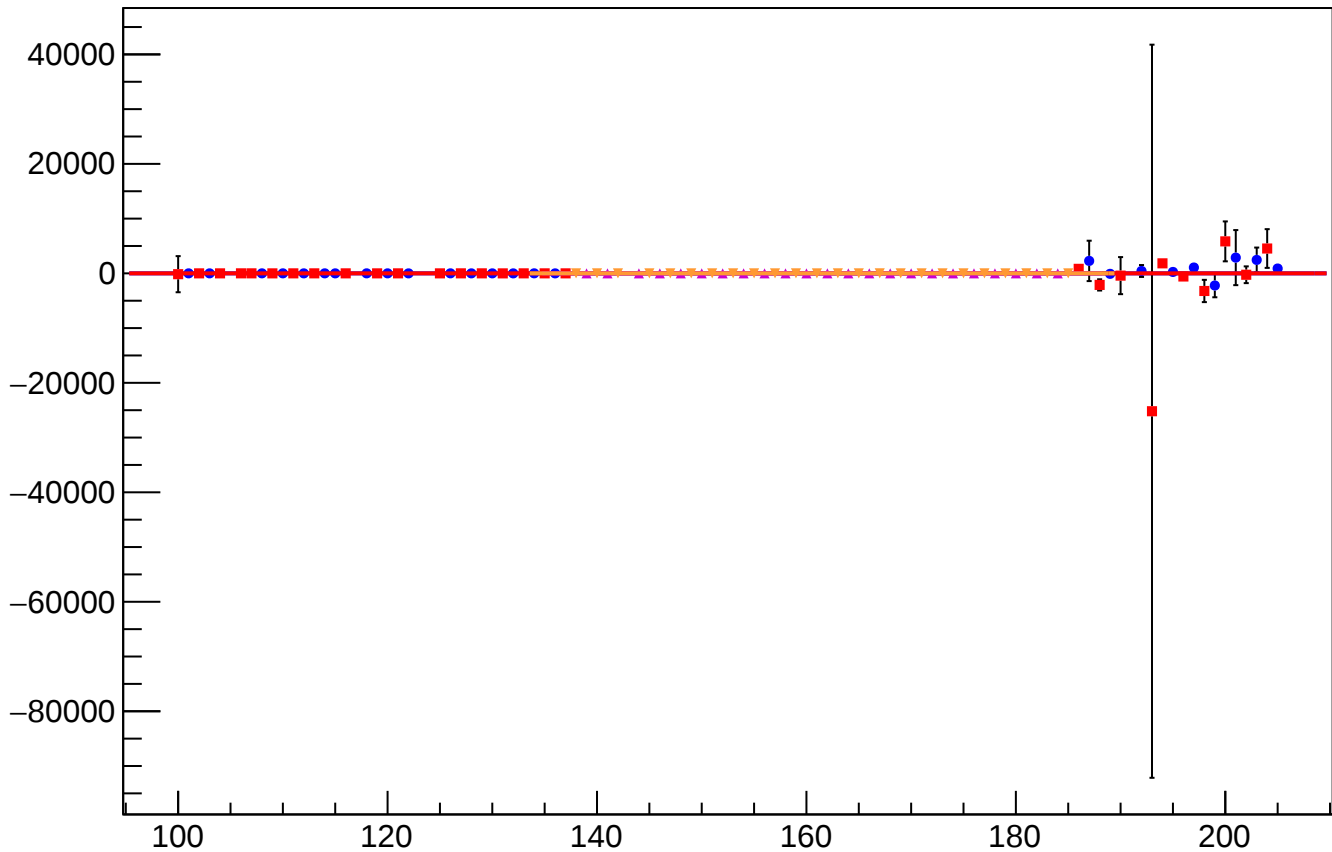
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.102 $\pm$ 0.012 χ^2 /NDF: 5600974.8/48

All: 85.649 $\pm$ 0.009 χ^2 /NDF: 11265114.4/99

- sign 86.206 $\pm$ 0.012 χ^2 /NDF: 5660177.6/50

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 $\pm$ 0.502 χ^2/NDF : 27.1/24

Left Out: 0.126 $\pm$ 0.377 χ^2/NDF : 21.3/23

Right Out: -0.038 $\pm$ 0.525 χ^2/NDF : 27.0/27

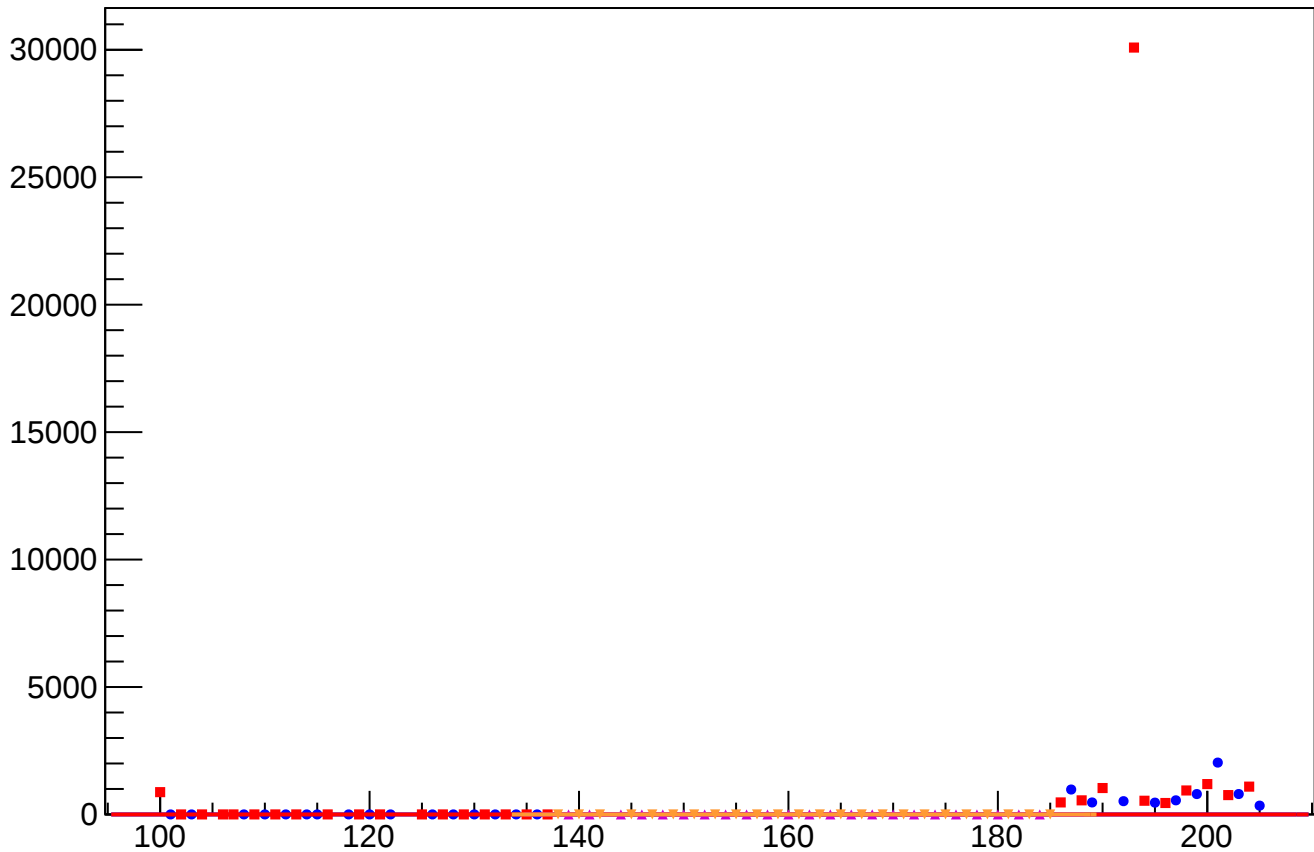
Left In: 0.519 $\pm$ 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 $\pm$ 0.301 χ^2/NDF : 48.9/48

All: 0.144 $\pm$ 0.217 χ^2/NDF : 103.7/99

- sign 0.323 $\pm$ 0.312 χ^2/NDF : 54.1/50

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 4357019.3/24

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

Right Out: 1.260+/-0.000 χ^2/NDF : 5185773.9/27

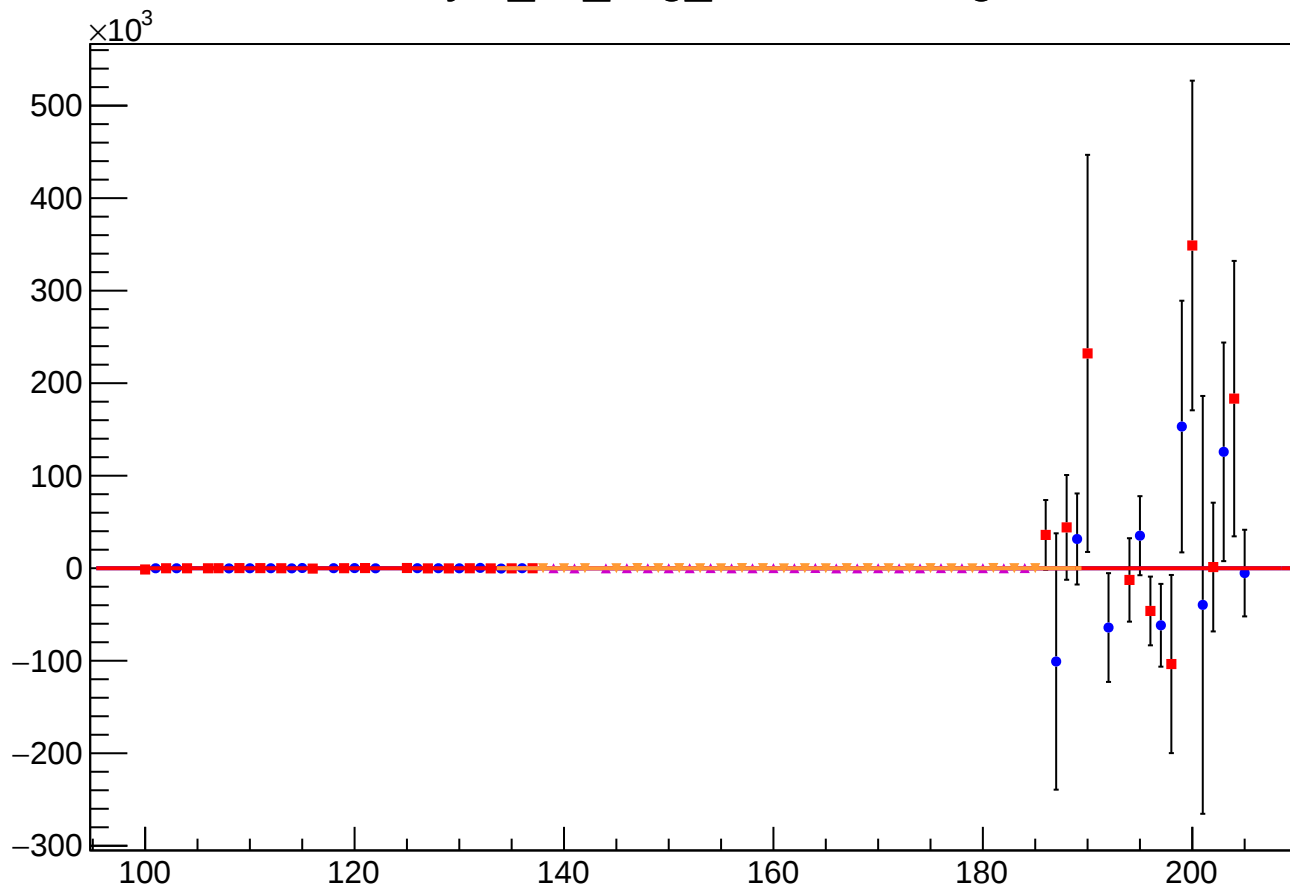
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 5675925.3/48

All: 1.350+/-0.000 χ^2/NDF : 12083617.3/99

- sign 1.385+/-0.000 χ^2/NDF : 6357030.8/50

asym_ds_avg_mean vs Slug



Right In: -14.495+/-30.040 χ^2/NDF : 23.4/24

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

Right Out: -32.021+/-30.500 χ^2/NDF : 27.6/26

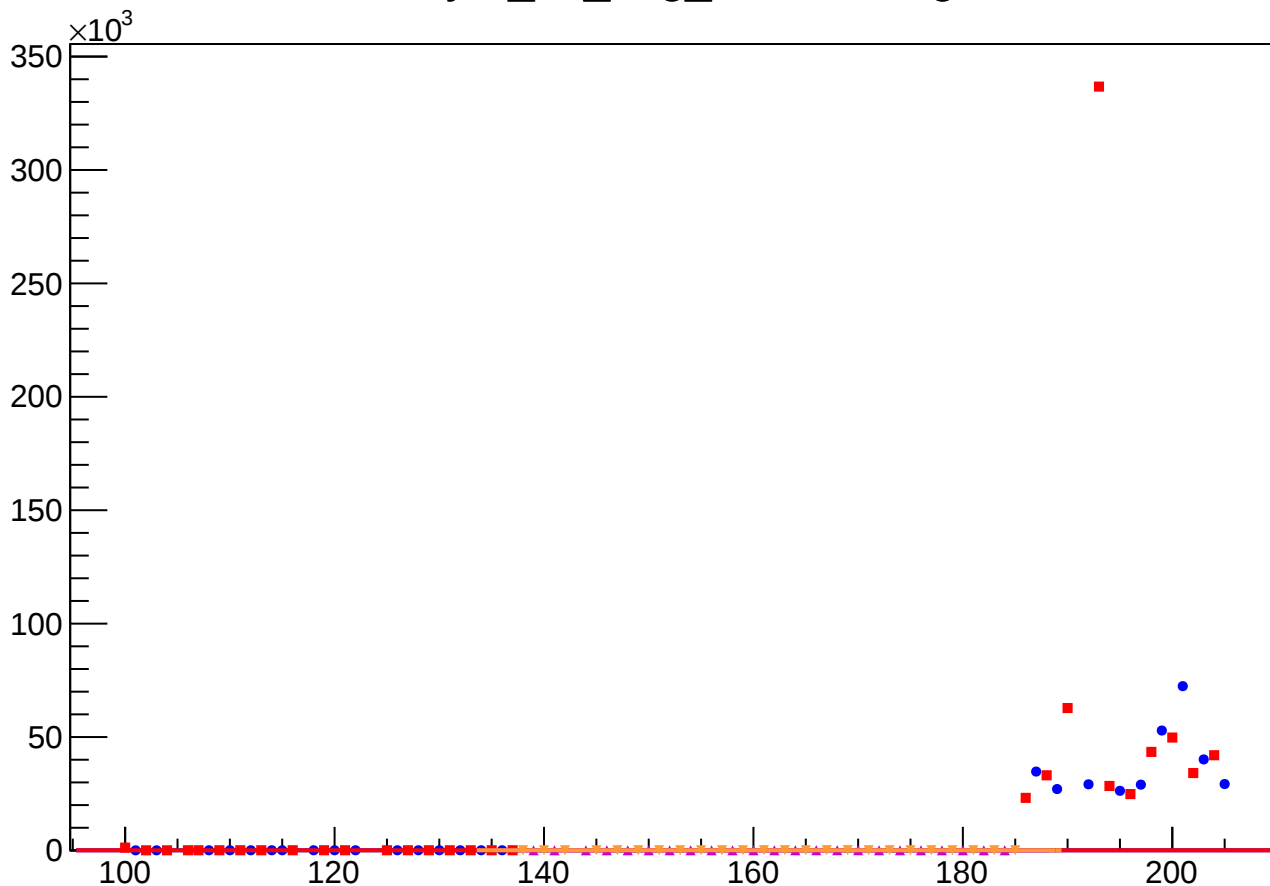
Left In: 22.446+/-21.591 χ^2/NDF :22.3/22

+ sign -2.588+/-17.470 χ^2/NDF : 45.7/48

All: 0.808+/-12.407 χ^2/NDF : 97.9/98

- sign 4.263+/-17.623 χ^2/NDF : 52.1/49

asym_ds_avg_rms vs Slug



Right In: 76.138 $\pm$ 0.021 χ^2 /NDF: 4864426.4/24

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

Right Out: 79.445 $\pm$ 0.022 χ^2 /NDF: 5010538.7/27

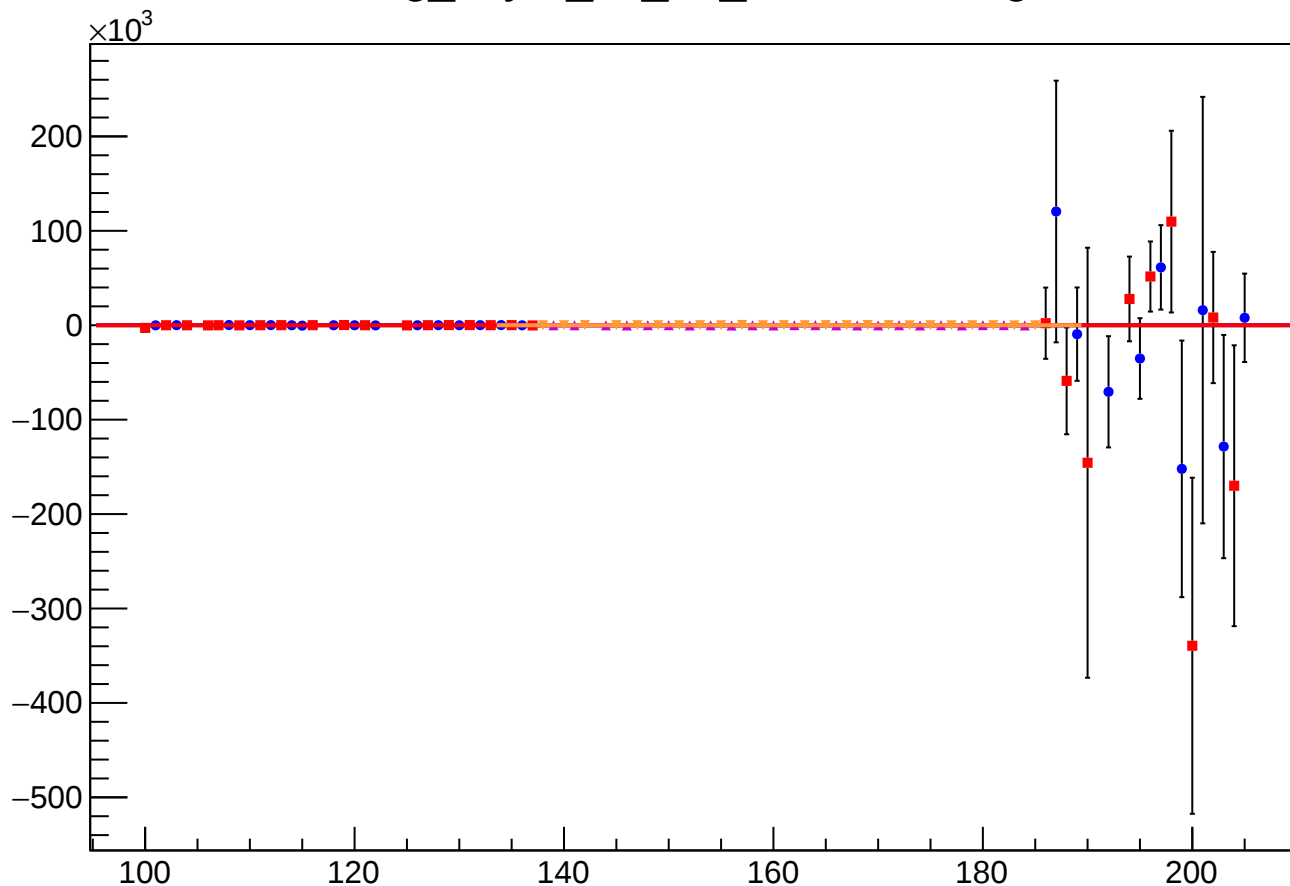
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.126 $\pm$ 0.012 χ^2 /NDF: 5601974.3/48

All: 85.671 $\pm$ 0.009 χ^2 /NDF: 11274158.1/99

- sign 86.225 $\pm$ 0.012 χ^2 /NDF: 5668262.5/50

reg_asym_ds_dd_mean vs Slug



Right In: 8.095 ± 30.012 χ^2/NDF : 21.3/24

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

Right Out: 25.799 ± 30.473 χ^2/NDF : 22.9/26

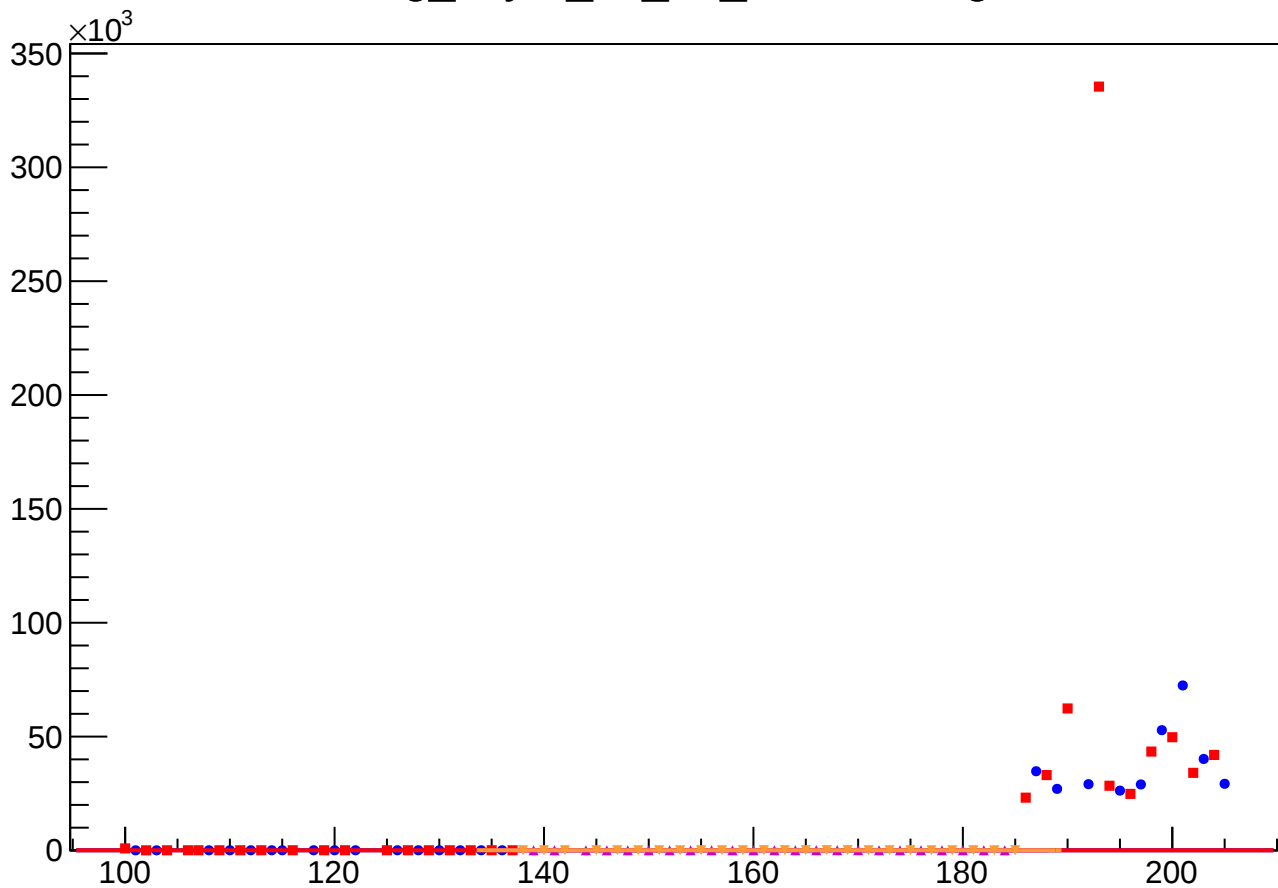
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.843 ± 17.463 χ^2/NDF : 38.5/48

All: -3.574 ± 12.403 χ^2/NDF : 98.0/98

- sign -20.284 ± 17.618 χ^2/NDF : 57.7/49

reg_asym_ds_dd_rms vs Slug



Right In: 76.069 $\pm$ 0.021 χ^2 /NDF: 4863542.8/24

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

Right Out: 79.393 $\pm$ 0.022 χ^2 /NDF: 5003198.1/27

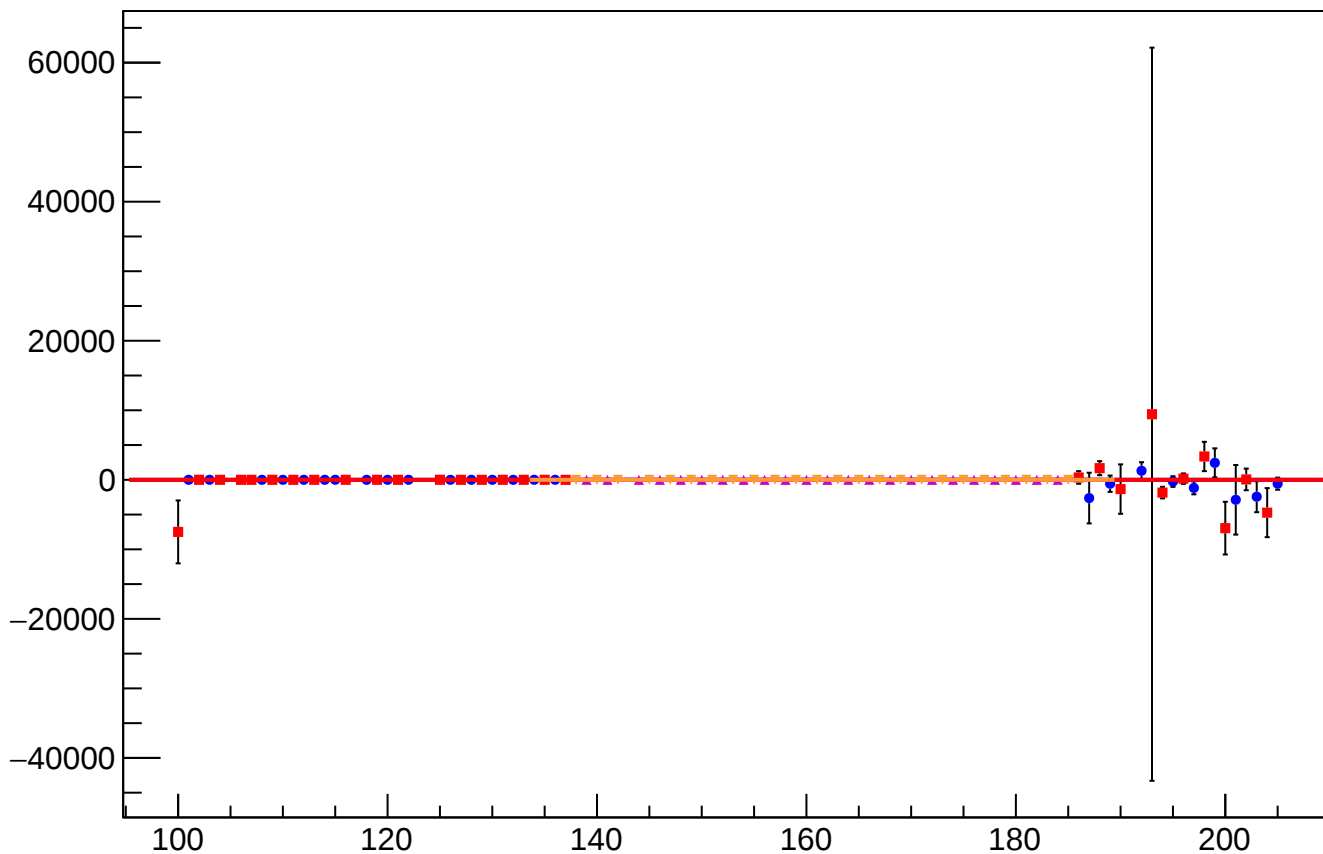
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.093 $\pm$ 0.012 χ^2 /NDF: 5601998.4/48

All: 85.645 $\pm$ 0.009 χ^2 /NDF: 11270451.4/99

- sign 86.207 $\pm$ 0.012 χ^2 /NDF: 5664422.7/50

asym_ds_dd_correction_mean vs Slug



Right In: 0.891 ± 0.531 χ^2/NDF : 18.8/24

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

Right Out: -0.348 ± 0.549 χ^2/NDF : 29.2/27

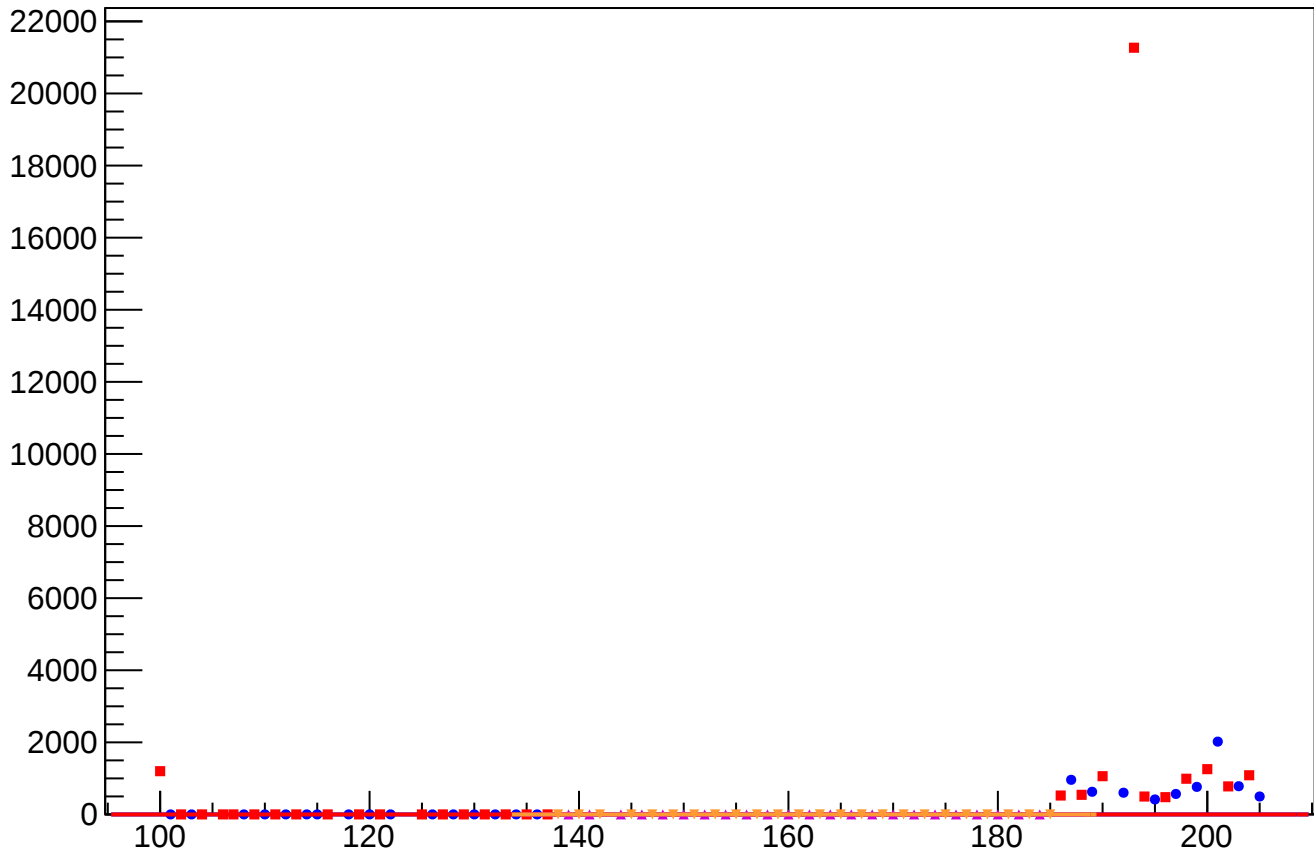
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.022 ± 0.315 χ^2/NDF : 44.1/48

All: -0.045 ± 0.224 χ^2/NDF : 94.0/99

- sign -0.069 ± 0.318 χ^2/NDF : 49.9/50

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 4654182.9/24

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

Right Out: 1.316+/-0.000 χ^2/NDF : 5156373.0/27

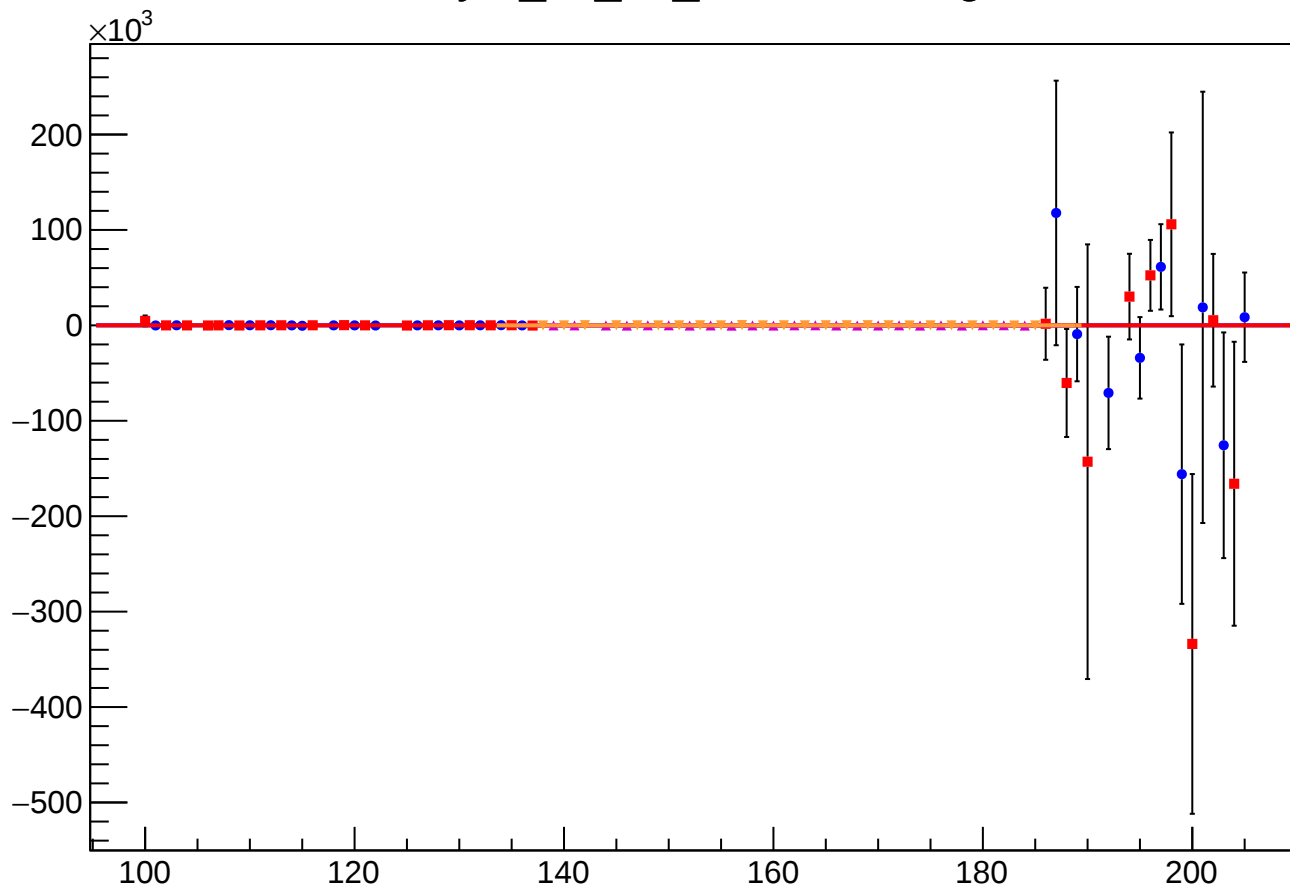
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 6065552.3/48

All: 1.400+/-0.000 χ^2/NDF : 12369118.9/99

- sign 1.412+/-0.000 χ^2/NDF : 6297240.6/50

asym_ds_dd_mean vs Slug



Right In: 7.389 ± 30.020 χ^2/NDF : 21.1/24

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

Right Out: 26.409 ± 30.482 χ^2/NDF : 22.9/26

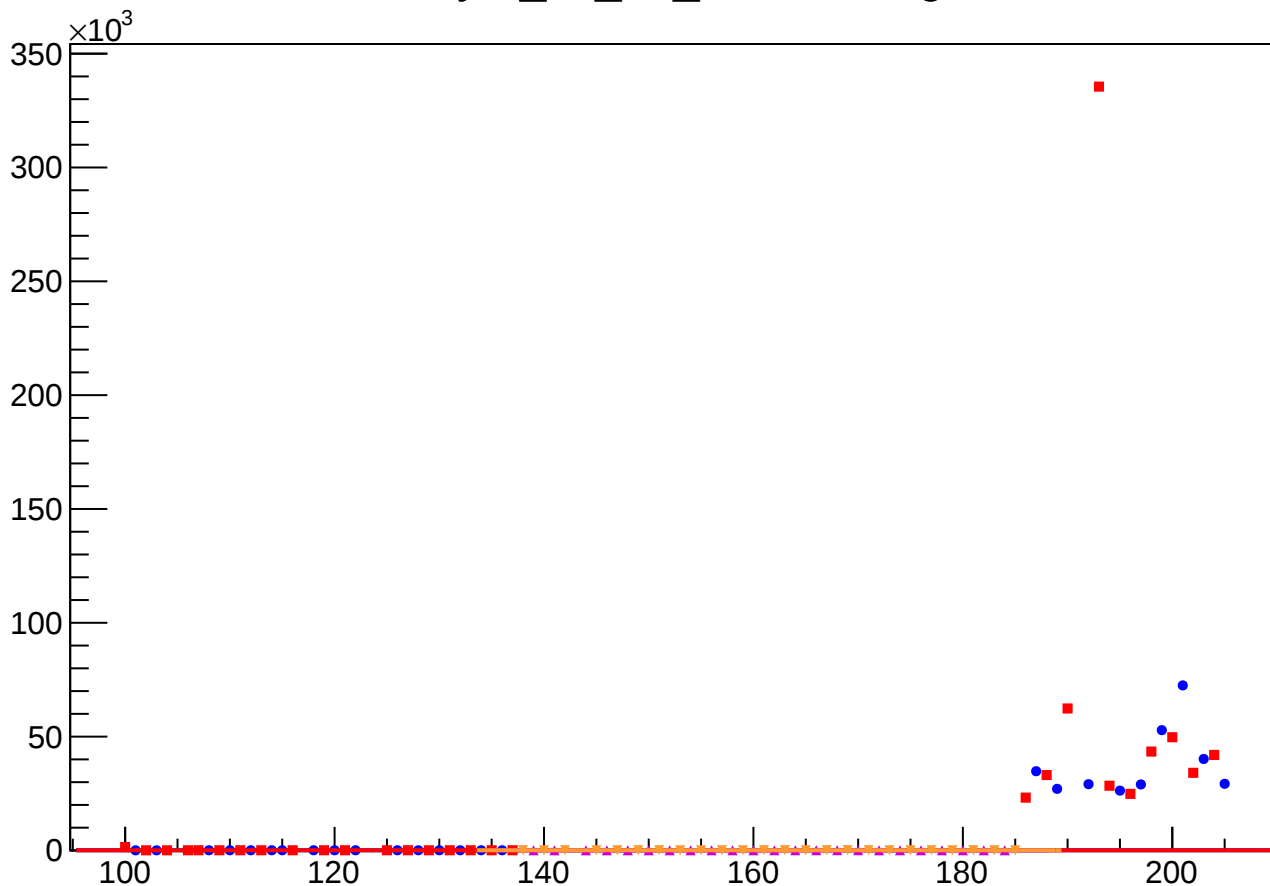
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.932 ± 17.468 χ^2/NDF : 38.2/48

All: -3.586 ± 12.407 χ^2/NDF : 97.6/98

- sign -20.400 ± 17.624 χ^2/NDF : 57.6/49

asym_ds_dd_rms vs Slug



Right In: 76.090 $\pm$ 0.021 χ^2/NDF : 4863712.6/24

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

Right Out: 79.390 $\pm$ 0.022 χ^2/NDF : 5012530.9/27

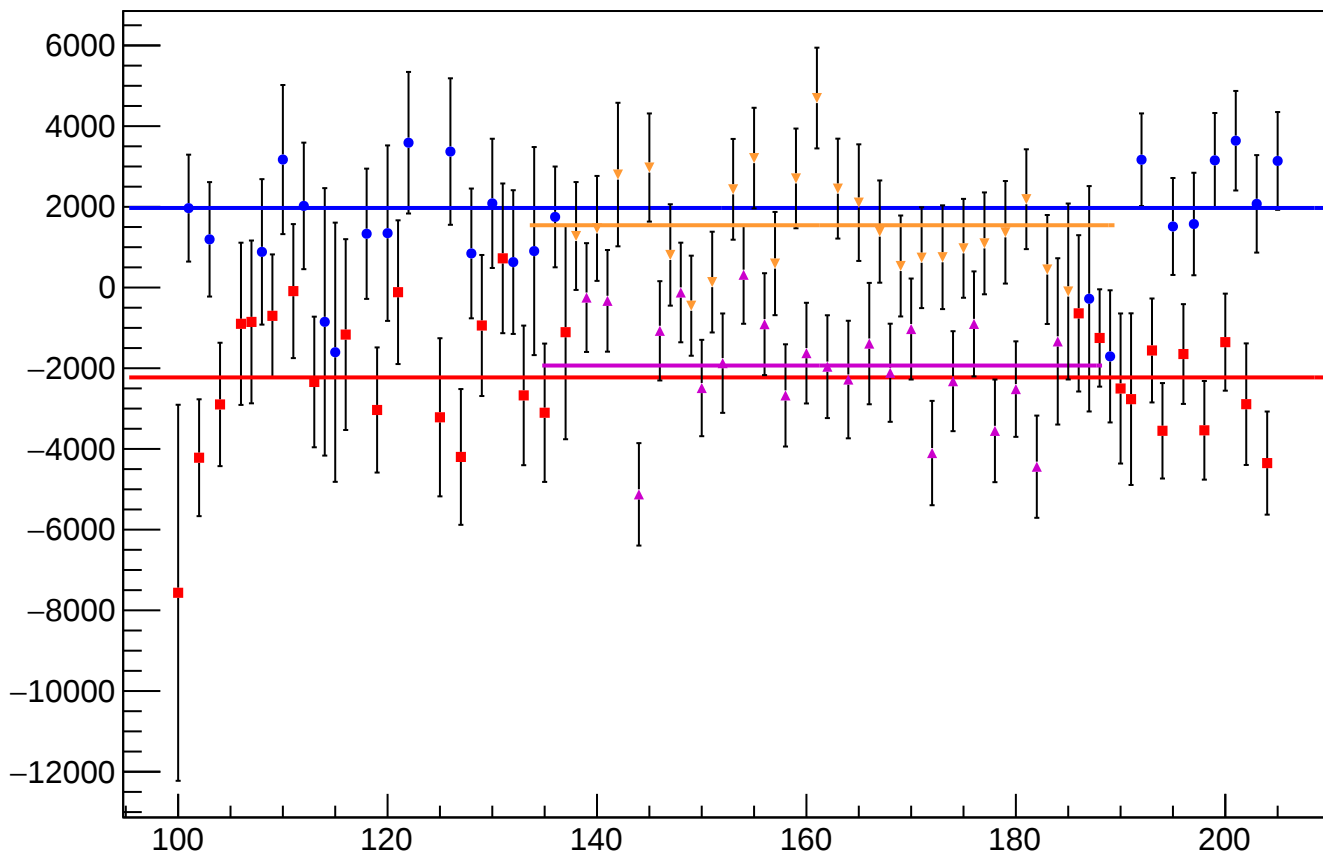
Left In: 89.655 $\pm$ 0.015 χ^2/NDF : 511848.9/22

+ sign 85.118 $\pm$ 0.012 χ^2/NDF : 5603040.9/48

All: 85.666 $\pm$ 0.009 χ^2/NDF : 11282366.2/99

- sign 86.223 $\pm$ 0.012 χ^2/NDF : 5675356.9/50

reg_asym_usl_mean vs Slug



Right In: 1972.218 $\pm$ 305.825 χ^2 /NDF: 16.8/24

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

Right Out: -2227.362 $\pm$ 295.825 χ^2 /NDF: 21.8/28

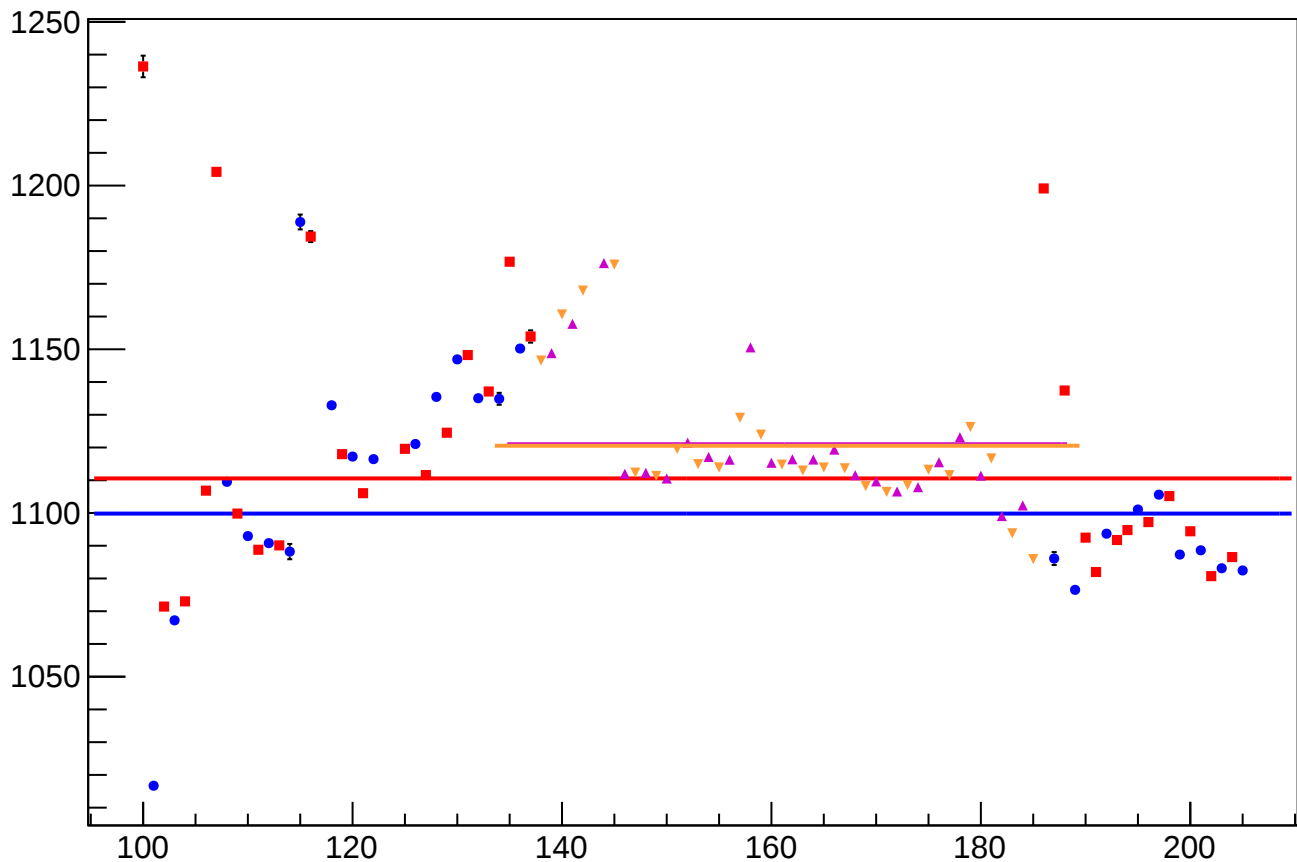
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

+ sign 1728.700 $\pm$ 200.820 χ^2 /NDF: 37.9/48

All: -189.413 $\pm$ 141.216 χ^2 /NDF: 267.7/100

- sign -2065.692 $\pm$ 198.618 χ^2 /NDF: 49.4/51

reg_asym_usl_rms vs Slug



Right In: 1099.816 $\pm$ 0.216 χ^2 /NDF: 20927.8/24

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

Right Out: 1110.558 $\pm$ 0.209 χ^2 /NDF: 24825.4/28

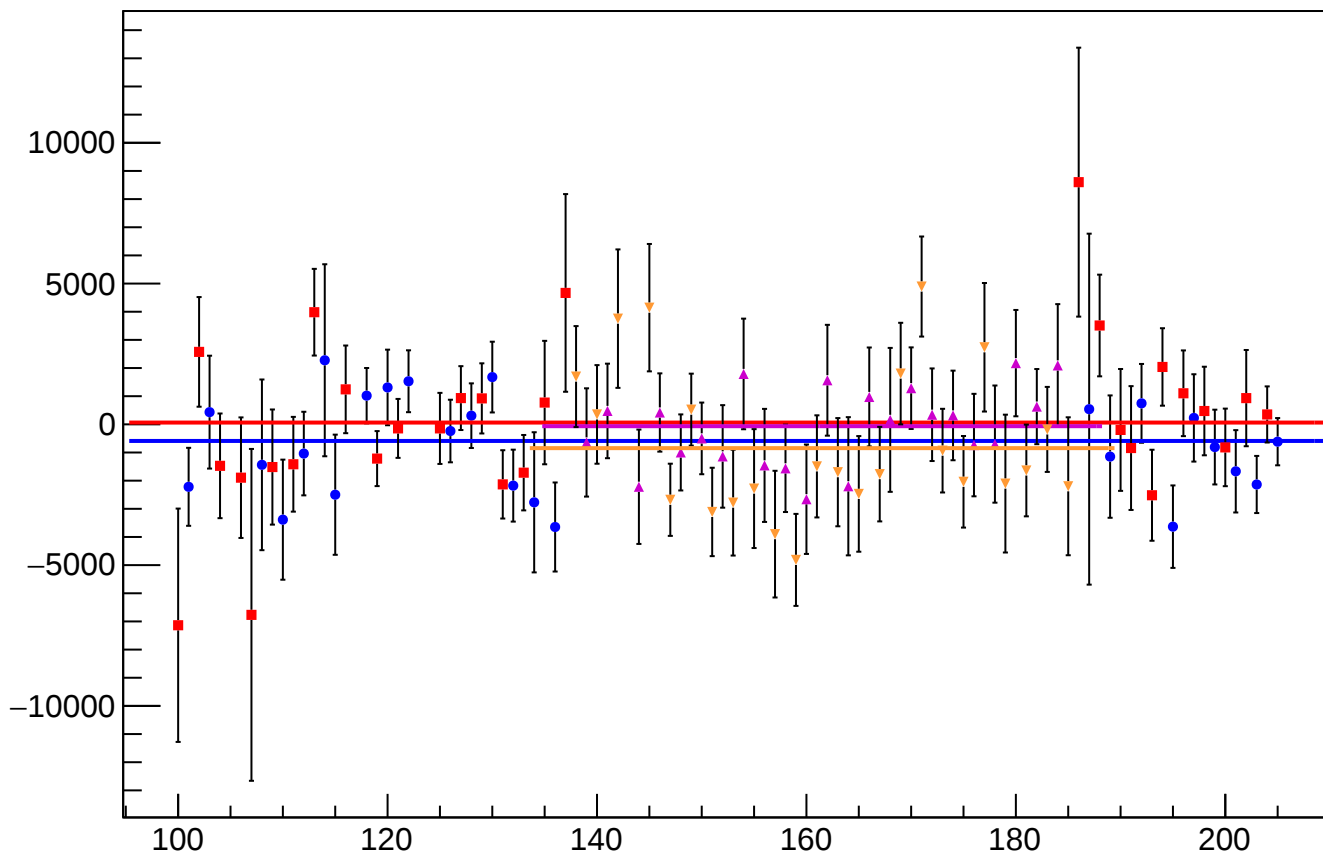
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1111.606 $\pm$ 0.142 χ^2 /NDF: 36406.0/48

All: 1113.973 $\pm$ 0.100 χ^2 /NDF: 72789.0/100

- sign 1116.288 $\pm$ 0.140 χ^2 /NDF: 35833.5/51

asym_usl_correction_mean vs Slug



Right In: -589.592 $\pm$ 280.494 χ^2 /NDF: 32.0/24

Left Out: -845.009 $\pm$ 361.141 χ^2 /NDF: 43.2/23

Right Out: 63.478 $\pm$ 286.105 χ^2 /NDF: 38.6/28

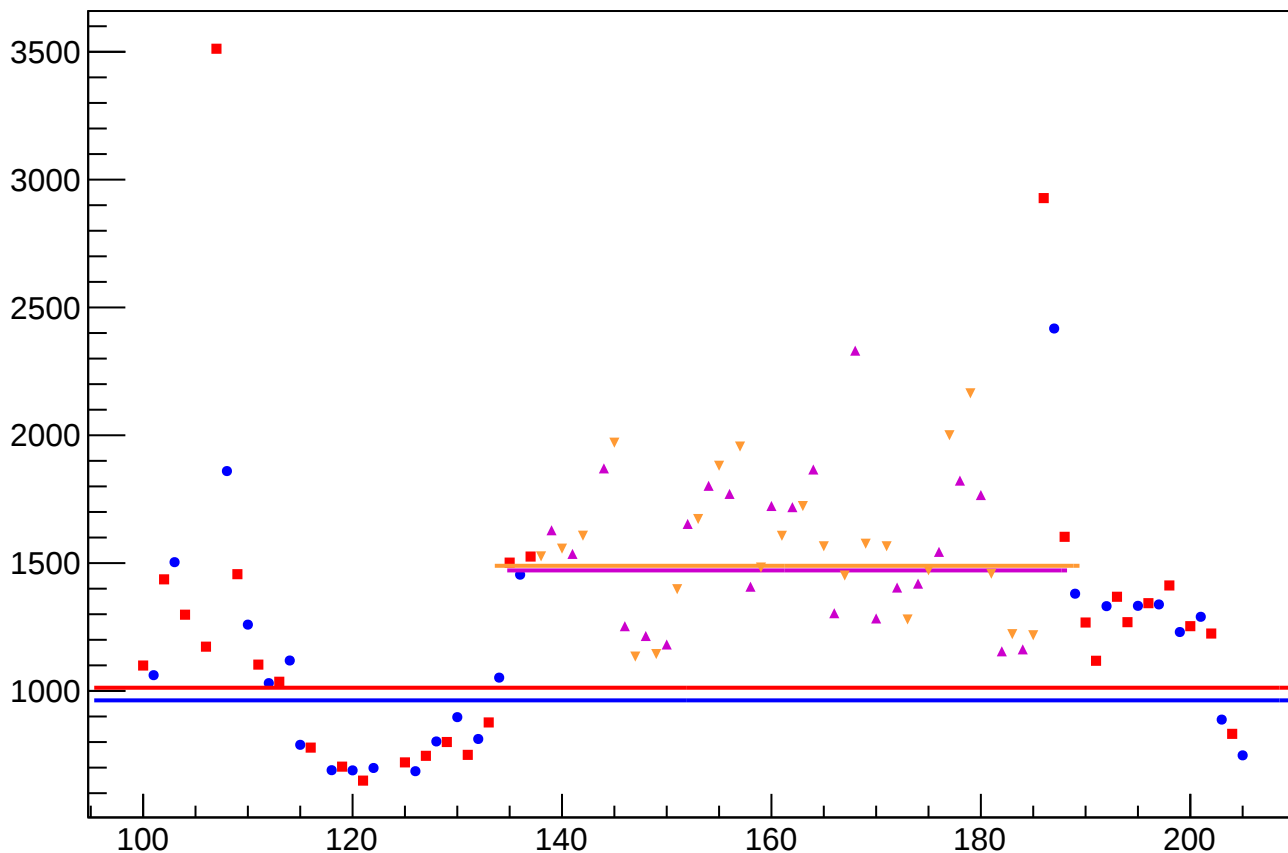
Left In: -65.738 $\pm$ 358.785 χ^2 /NDF: 12.1/22

+ sign -685.697 $\pm$ 221.526 χ^2 /NDF: 75.5/48

All: -339.623 $\pm$ 157.402 χ^2 /NDF: 131.3/100

- sign 13.250 $\pm$ 223.691 χ^2 /NDF: 50.8/51

asym_usl_correction_rms vs Slug



Right In: 963.086 $\pm$ 0.198 χ^2 /NDF: 2026635.9/24

Left Out: 1489.507 $\pm$ 0.255 χ^2 /NDF:1009228.3/23

Right Out: 1012.543 $\pm$ 0.202 χ^2 /NDF: 2748276.0/28

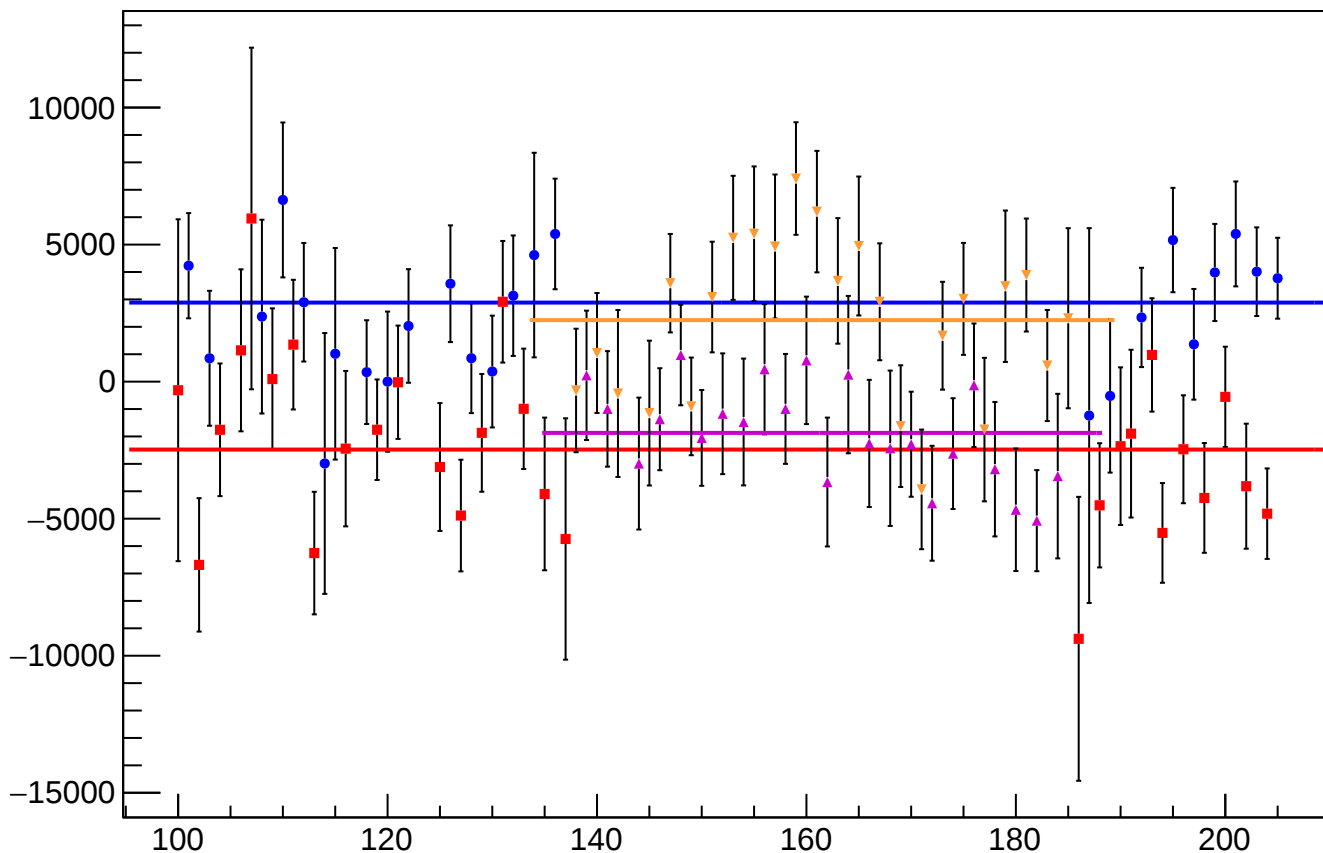
Left In: 1471.394 $\pm$ 0.254 χ^2 /NDF:1105310.5/22

+ sign 1161.160 $\pm$ 0.157 χ^2 /NDF: 5686452.9/48

All: 1175.887 $\pm$ 0.111 χ^2 /NDF: 11557518.7/1

- sign 1190.904 $\pm$ 0.158 χ^2 /NDF: 5853213.7/51

asym_usl_mean vs Slug



Right In: 2884.717 $\pm$ 435.446 χ^2 /NDF: 19.2/24

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

Right Out: -2477.631 $\pm$ 435.051 χ^2 /NDF: 35.8/28

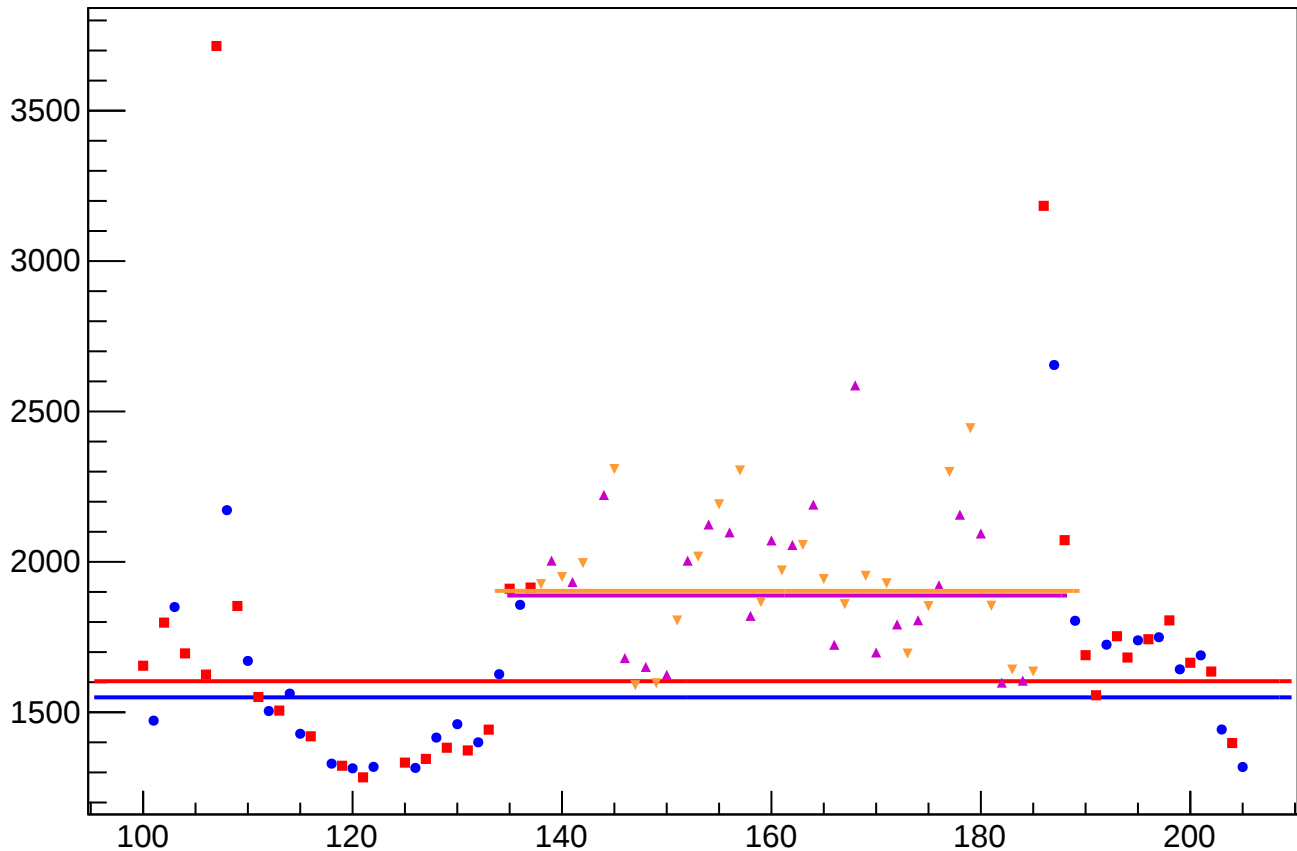
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2579.654 $\pm$ 315.079 χ^2 /NDF: 58.9/48

All: 192.359 $\pm$ 222.624 χ^2 /NDF: 225.1/100

- sign -2187.638 $\pm$ 314.597 χ^2 /NDF: 51.6/51

asym_usl_rms vs Slug



Right In: 1549.550+/-0.308 χ^2/NDF : 465198.3/24

Left Out: 1903.581+/-0.323 χ^2/NDF : 461788.9/23

Right Out: 1603.230+/-0.308 χ^2/NDF : 871700.3/28

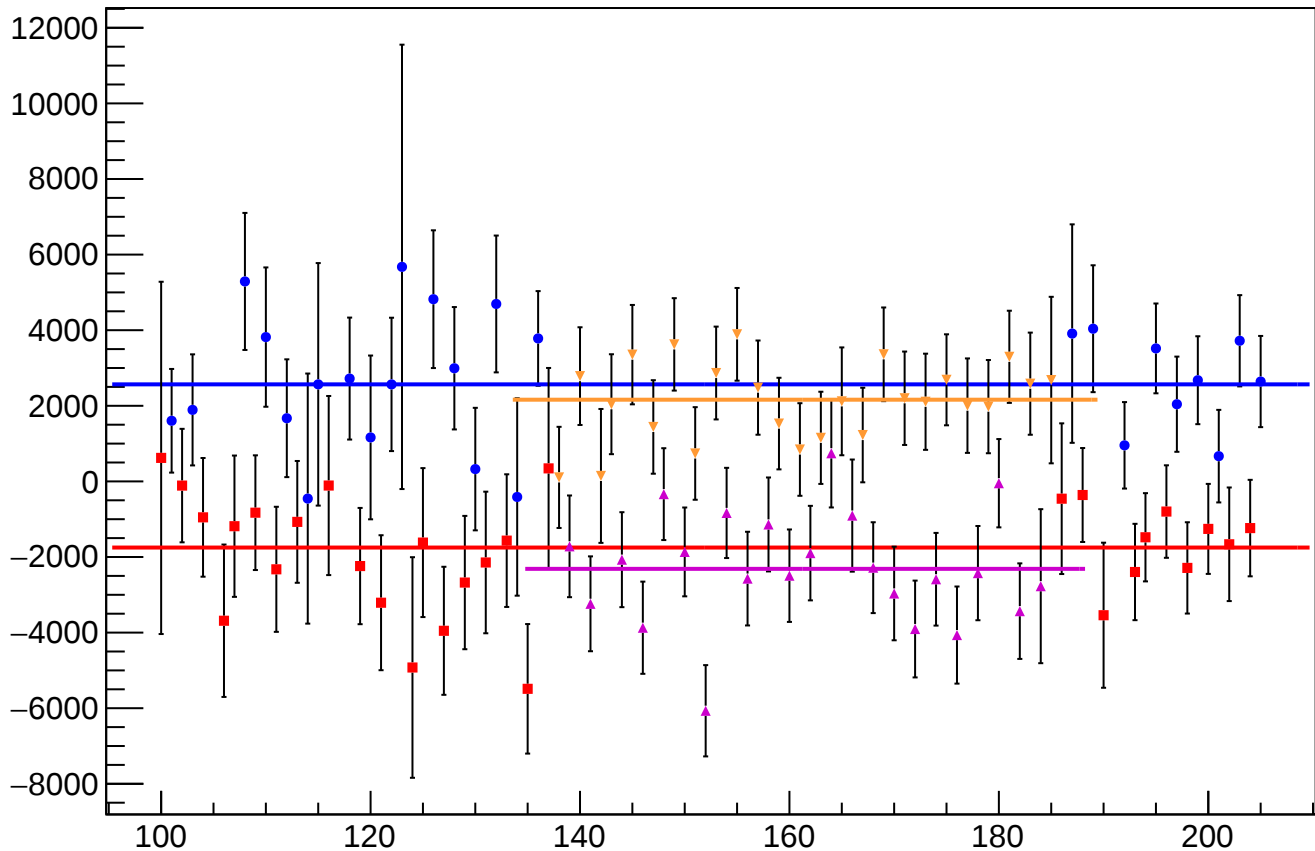
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1718.223+/-0.223 χ^2/NDF : 1556854.3/48

All: 1728.701+/-0.157 χ^2/NDF : 3346714.6/10

- sign 1739.148+/-0.222 χ^2/NDF : 1785443.0/51

reg_asym_usr_mean vs Slug



Right In: 2567.288 $\pm$ 306.370 χ^2 /NDF: 19.6/25

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

Right Out: -1749.823 $\pm$ 297.462 χ^2 /NDF: 17.2/28

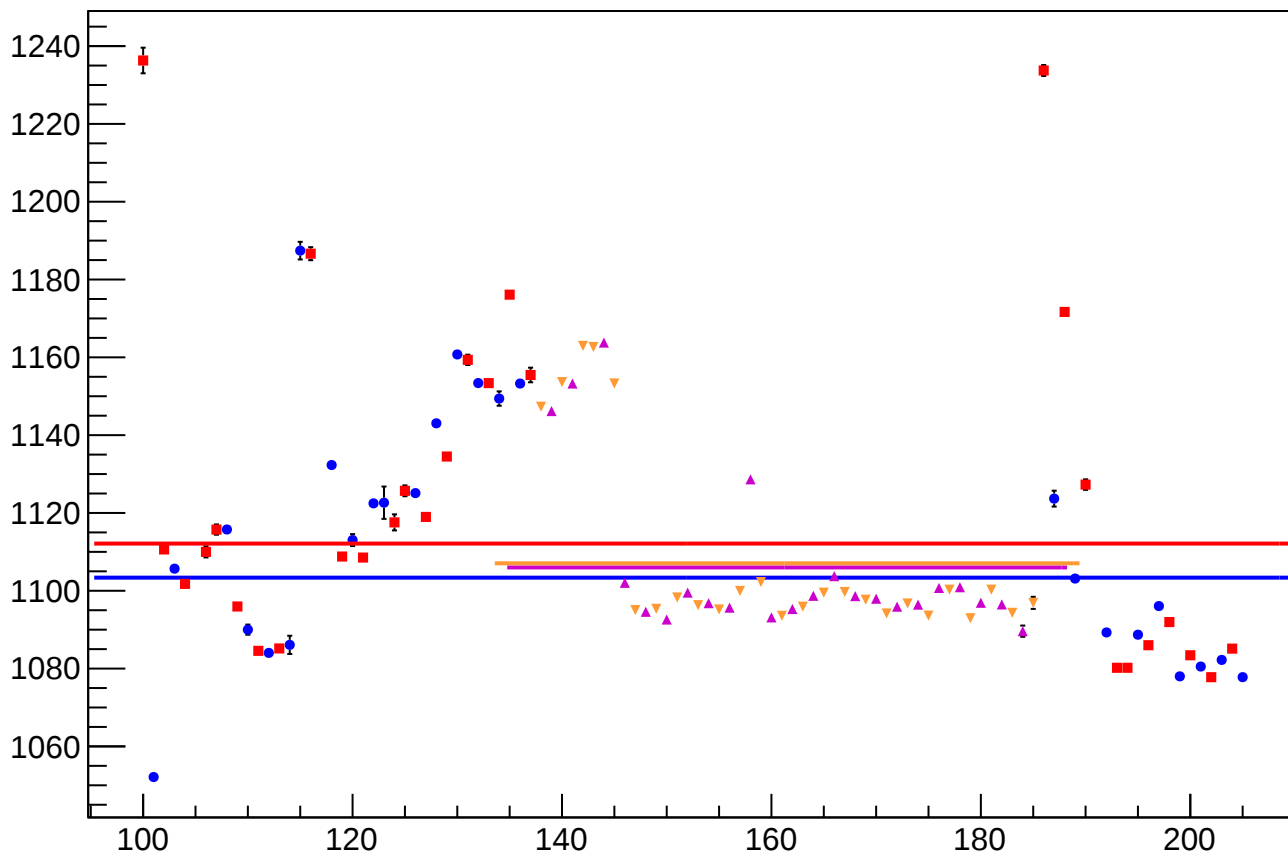
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2329.458 $\pm$ 197.130 χ^2 /NDF: 35.7/50

All: 137.963 $\pm$ 139.568 χ^2 /NDF: 334.0/102

- sign -2064.688 $\pm$ 197.631 χ^2 /NDF: 50.5/51

reg_asym_usr_rms vs Slug



Right In: 1103.374 $\pm$ 0.217 χ^2 /NDF: 18924.3/25

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

Right Out: 1112.128 $\pm$ 0.210 χ^2 /NDF: 30495.5/28

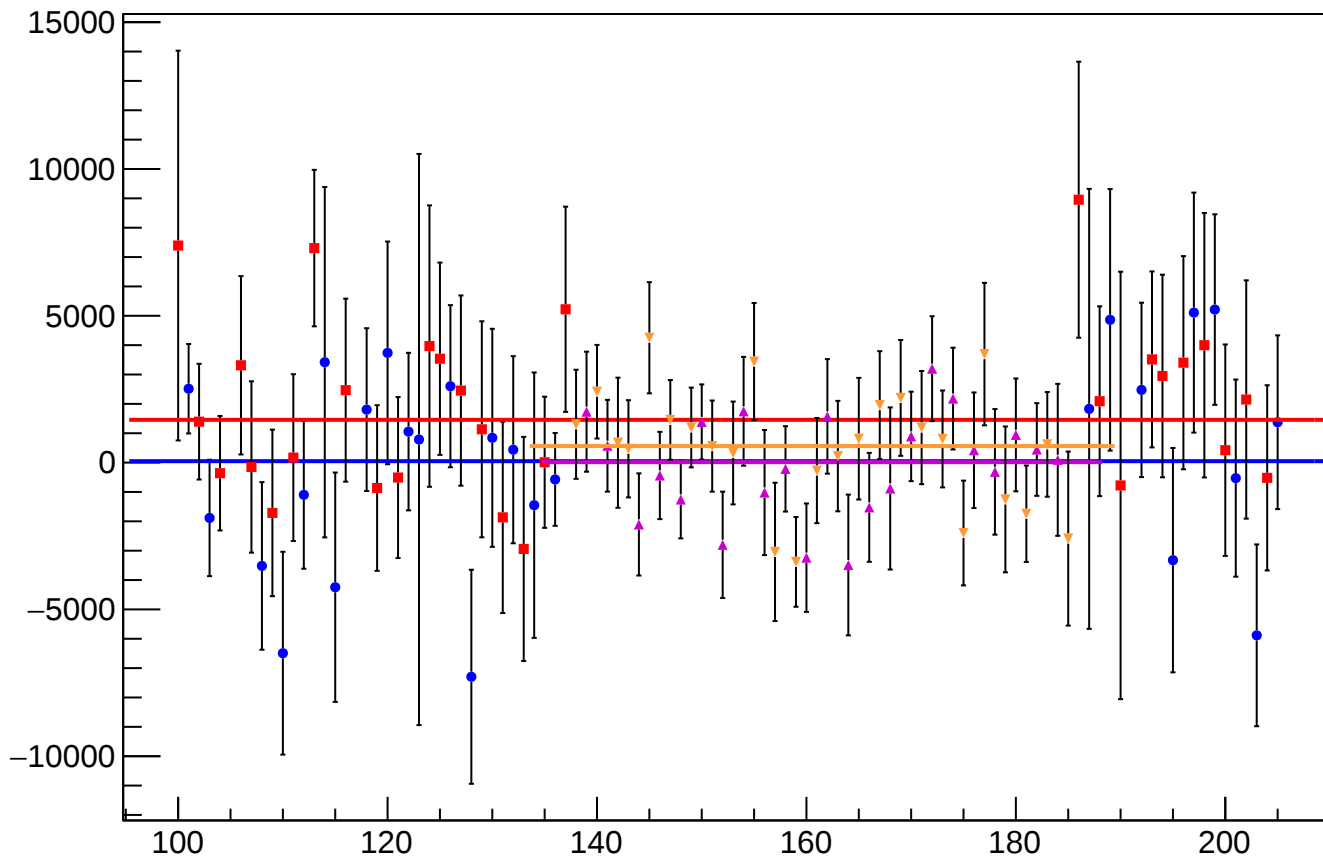
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1105.532 $\pm$ 0.139 χ^2 /NDF: 34269.3/50

All: 1107.113 $\pm$ 0.099 χ^2 /NDF: 77048.9/102

- sign 1108.703 $\pm$ 0.140 χ^2 /NDF: 42521.4/51

asym_usr_correction_mean vs Slug



Right In: 48.516 ± 574.347 $\chi^2/\text{NDF}: 27.8/25$

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

Right Out: 1457.152 ± 578.330 $\chi^2/\text{NDF}: 19.1/28$

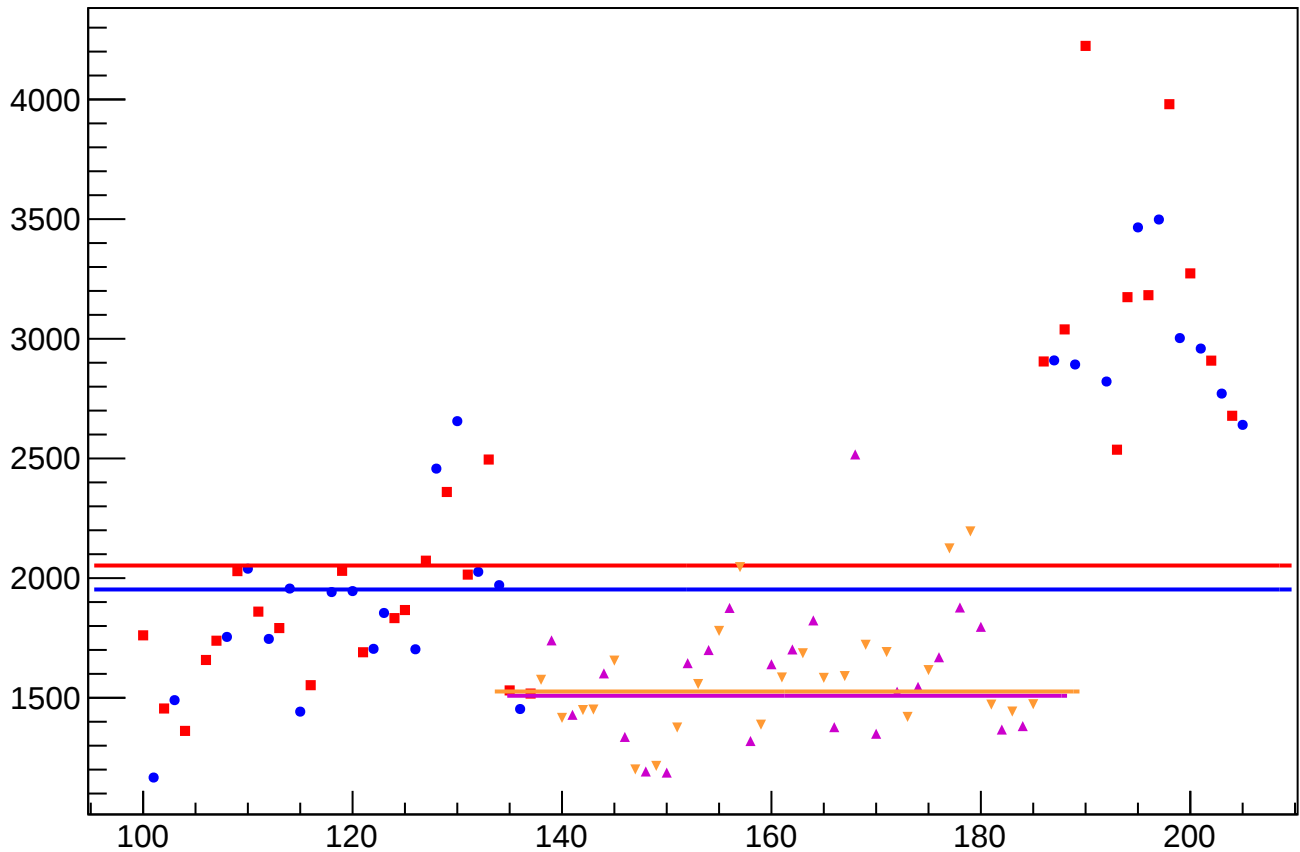
Left In: 15.520 ± 366.854 $\chi^2/\text{NDF}: 20.1/22$

+ sign 417.564 ± 305.580 $\chi^2/\text{NDF}: 55.2/50$

All: 423.284 ± 217.549 $\chi^2/\text{NDF}: 98.8/102$

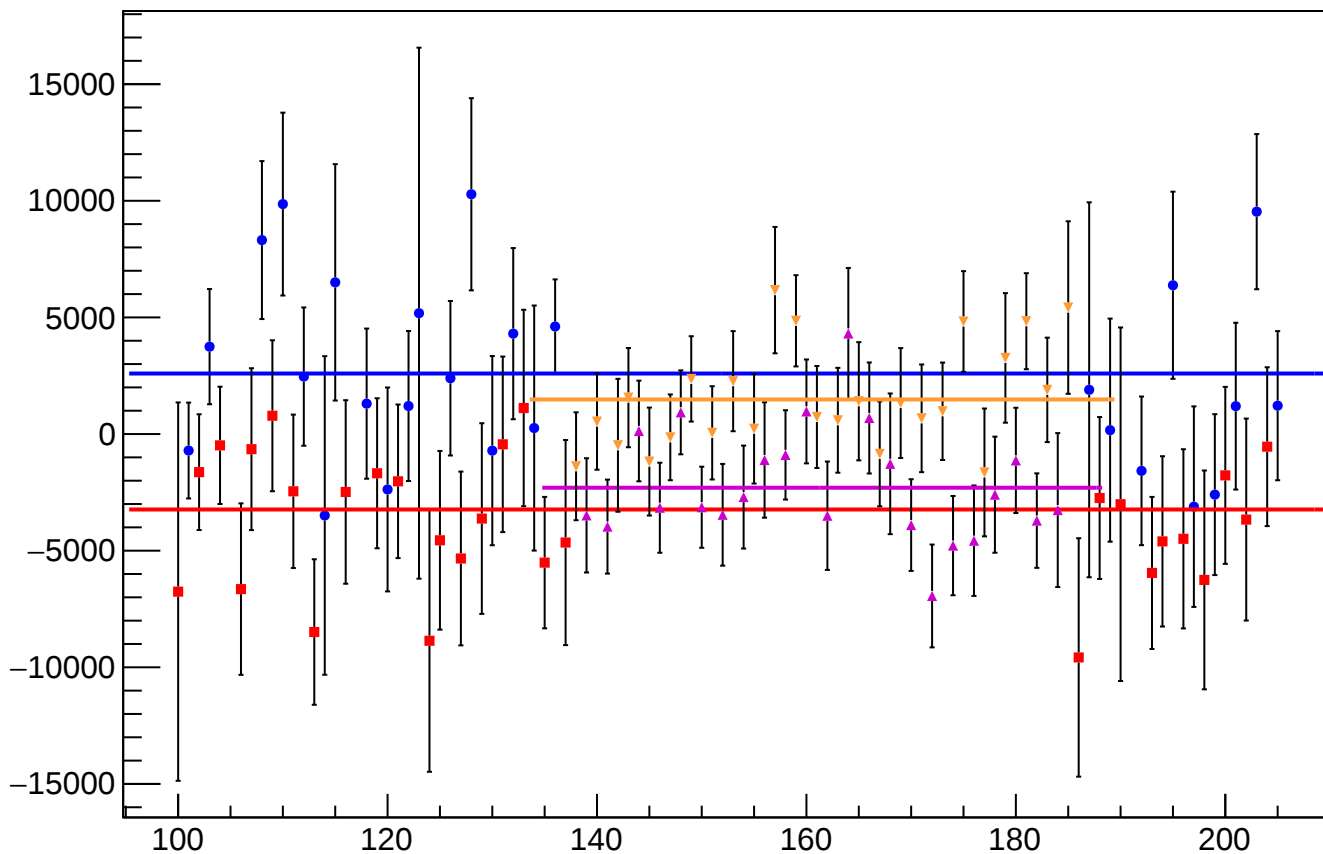
- sign 429.162 ± 309.785 $\chi^2/\text{NDF}: 43.7/51$

asym_usr_correction_rms vs Slug



Right In: 1952.607 $\pm$ 0.406	χ^2/NDF : 2573639.9/25	+ sign 1647.042 $\pm$ 0.216	χ^2/NDF : 4116968.3/50
Left Out: 1526.391 $\pm$ 0.255	χ^2/NDF : 753714.4/24		
Right Out: 2052.704 $\pm$ 0.409	χ^2/NDF : 2469831.5/28	All: 1655.753 $\pm$ 0.154	χ^2/NDF : 8784208.6/10
Left In: 1508.581 $\pm$ 0.259	χ^2/NDF : 931684.8/22	- sign 1664.704 $\pm$ 0.219	χ^2/NDF : 4663945.4/51

asym_usr_mean vs Slug



Right In: 2594.891 $\pm$ 678.610 χ^2/NDF : 29.3/25

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

Right Out: -3234.271 $\pm$ 673.588 χ^2/NDF : 15.6/28

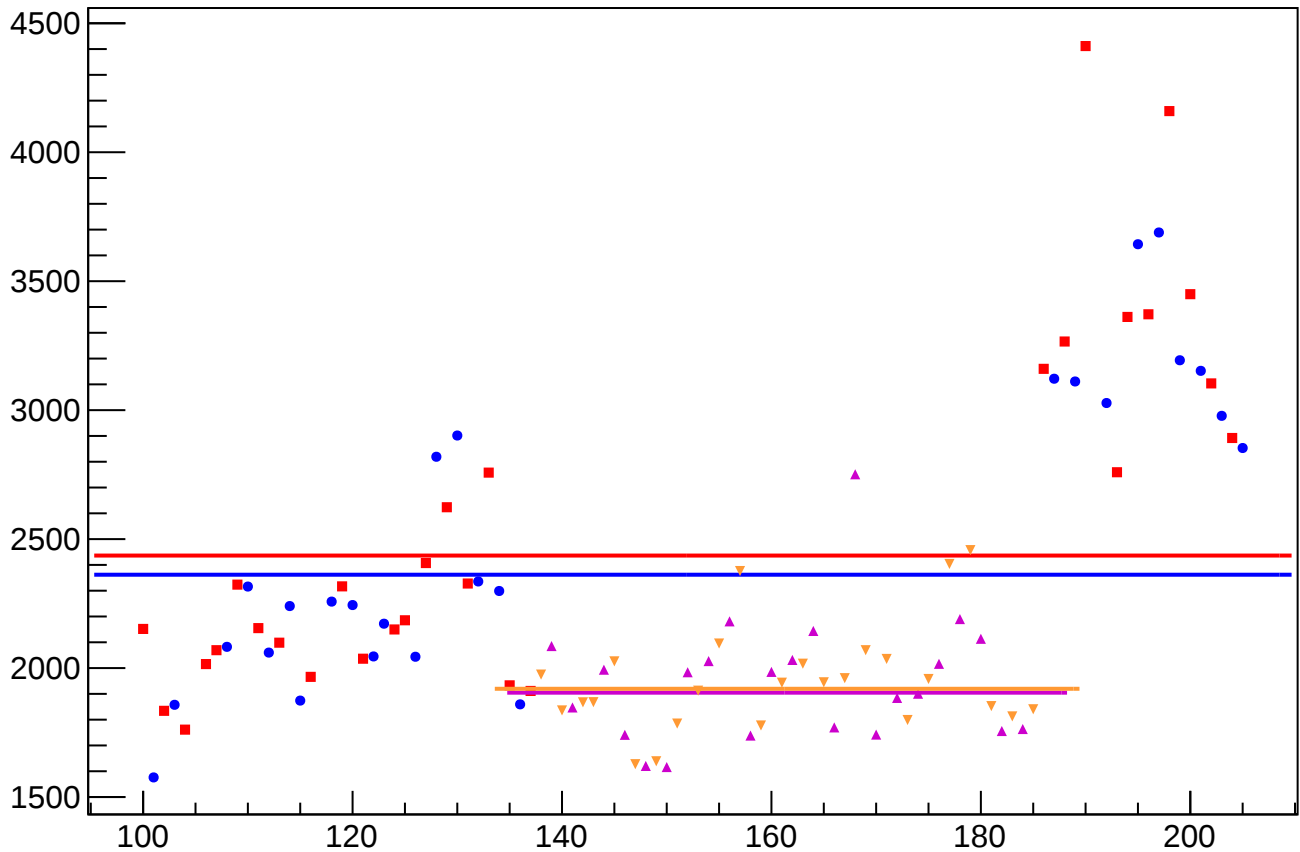
Left In: -2301.247 $\pm$ 459.040 χ^2/NDF : 24.8/22

+ sign 1822.140 $\pm$ 375.025 χ^2/NDF : 52.1/50

All: -362.284 $\pm$ 266.692 χ^2/NDF : 162.5/102

- sign -2597.143 $\pm$ 379.330 χ^2/NDF : 41.7/51

asym_usr_rms vs Slug



Right In: 2361.957+/-0.480 χ^2/NDF : 1534823.3/25

Left Out: 1919.732+/-0.318 χ^2/NDF : 366218.1/24

Right Out: 2436.257+/-0.476 χ^2/NDF : 1591148.7/28

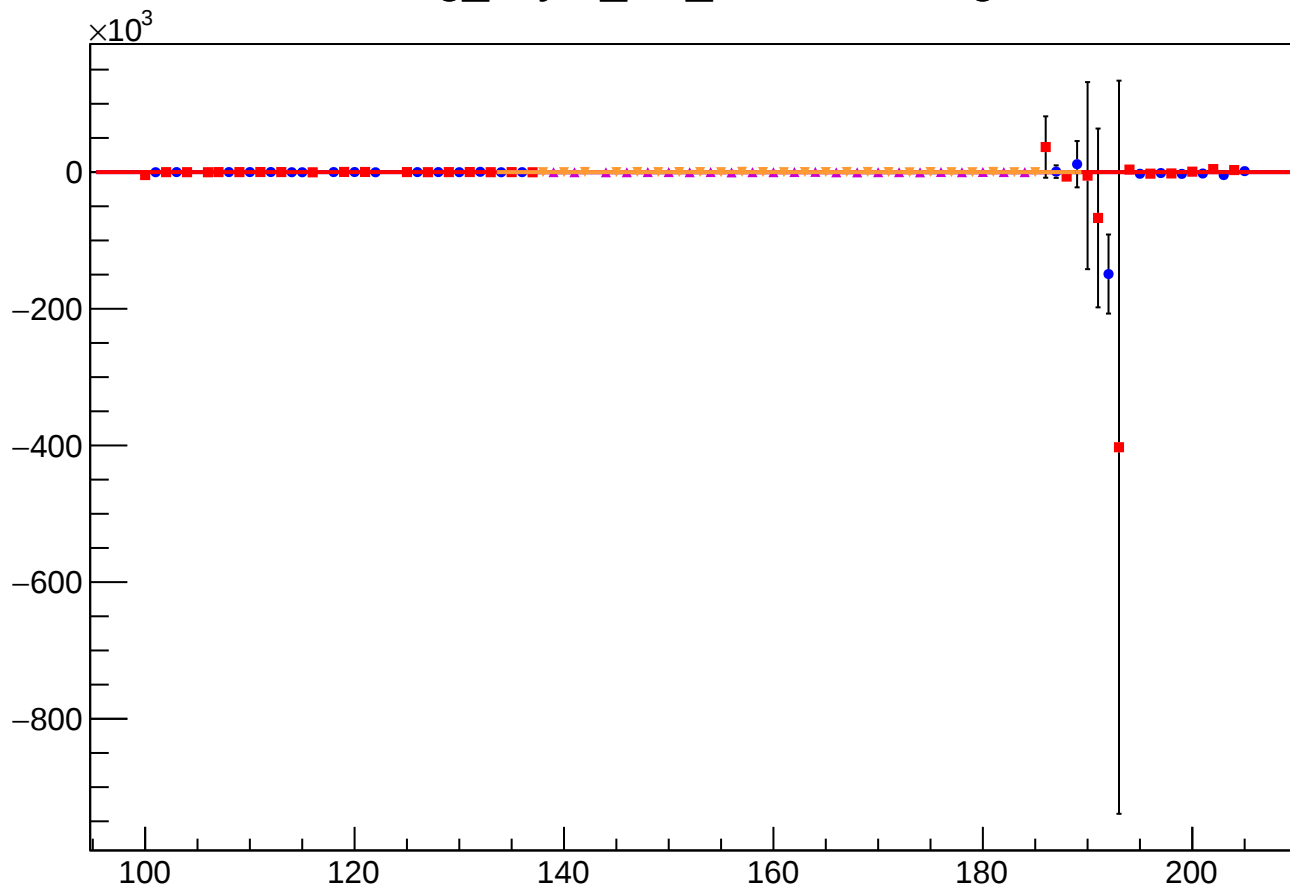
Left In: 1904.629+/-0.325 χ^2/NDF : 447350.7/22

+ sign 2054.791+/-0.265 χ^2/NDF : 2490980.0/50

All: 2063.904+/-0.189 χ^2/NDF : 5382600.0/10

- sign 2073.228+/-0.268 χ^2/NDF : 2889230.8/51

reg_asym_dsl_mean vs Slug



Right In: -1.614 ± 36.763 χ^2/NDF : 25.4/24

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

Right Out: -1.512 ± 36.749 χ^2/NDF : 18.5/28

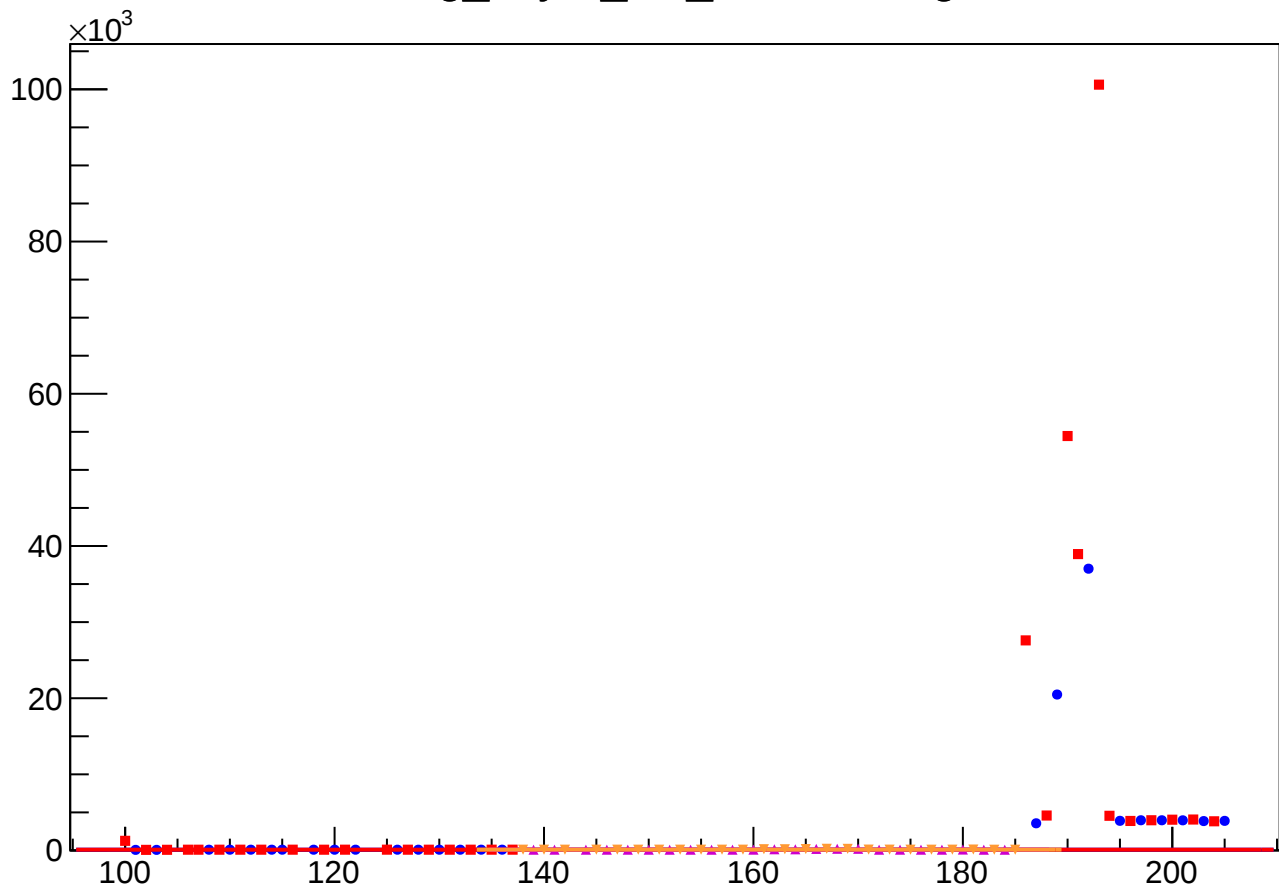
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.573 ± 21.368 χ^2/NDF : 61.4/48

All: -4.633 ± 15.125 χ^2/NDF : 117.2/100

- sign -16.886 ± 21.410 χ^2/NDF : 55.2/51

reg_asym_dsl_rms vs Slug



Right In: 95.765 $\pm$ 0.026 χ^2 /NDF: 11180968.5/24

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

Right Out: 97.924 $\pm$ 0.026 χ^2 /NDF: 10684100.9/28

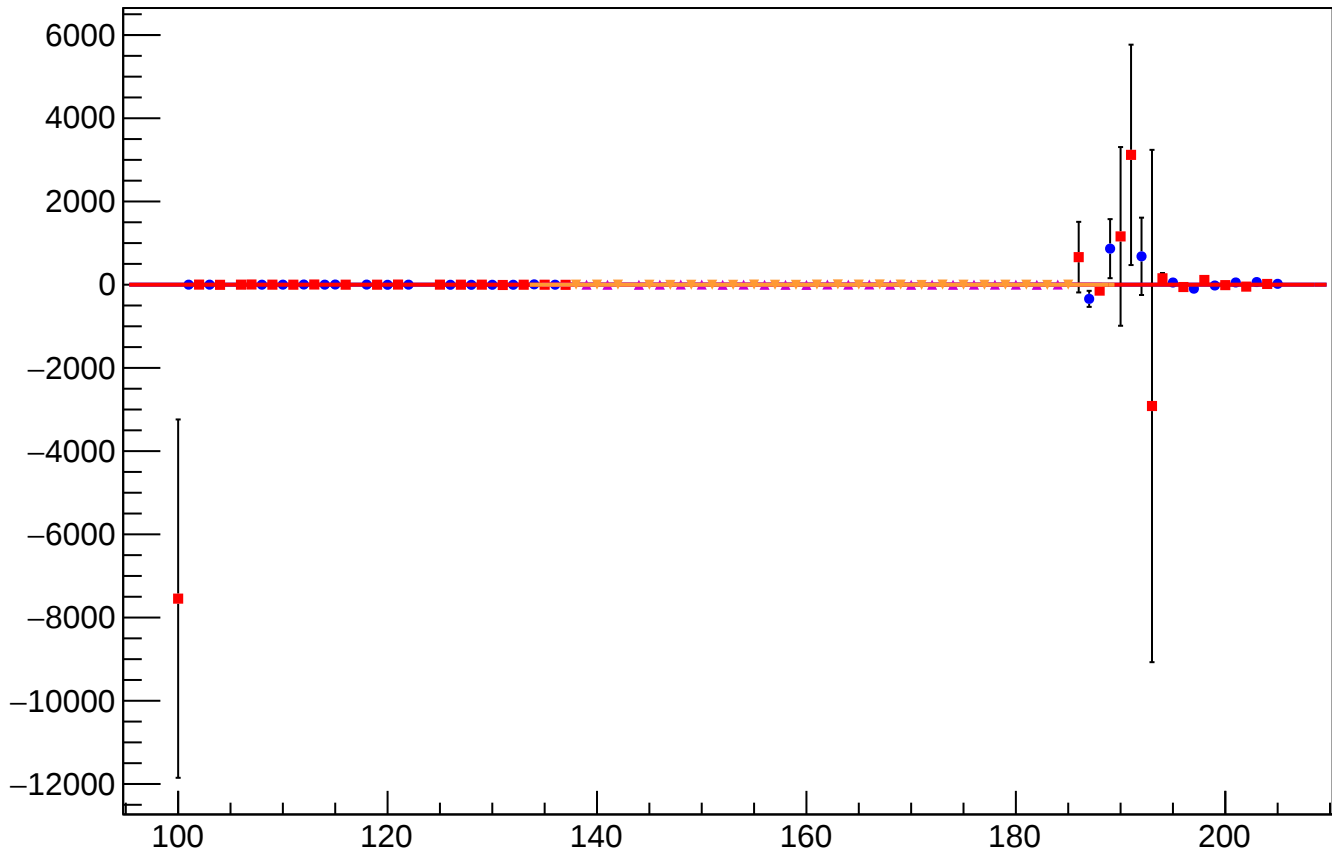
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.906 $\pm$ 0.015 χ^2 /NDF: 12764053.6/48

All: 104.134 $\pm$ 0.011 χ^2 /NDF: 25032610.9/10

- sign 104.363 $\pm$ 0.015 χ^2 /NDF: 12268099.8/51

asym_dsl_correction_mean vs Slug



Right In: 0.395 $\pm$ 0.617 χ^2 /NDF: 19.2/24

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

Right Out: 0.346 $\pm$ 0.644 χ^2 /NDF: 29.7/28

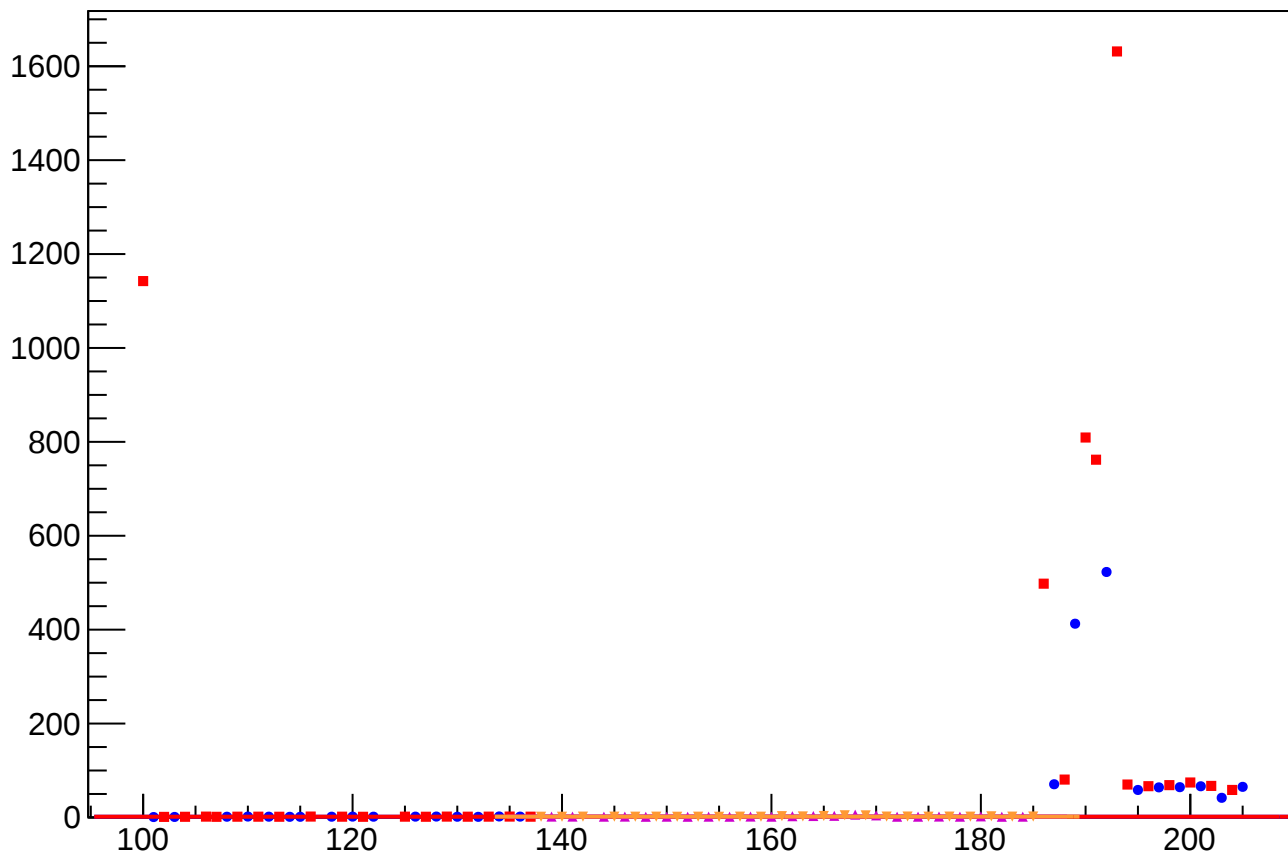
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF: 25.0/22

+ sign -0.188 $\pm$ 0.376 χ^2 /NDF: 51.2/48

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 106.4/100

- sign 0.168 $\pm$ 0.387 χ^2 /NDF: 54.8/51

asym_dsl_correction_rms vs Slug



Right In: 1.446 $\pm$ 0.000 χ^2 /NDF: 9718957.0/24

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

Right Out: 1.579 $\pm$ 0.000 χ^2 /NDF: 9427265.3/28

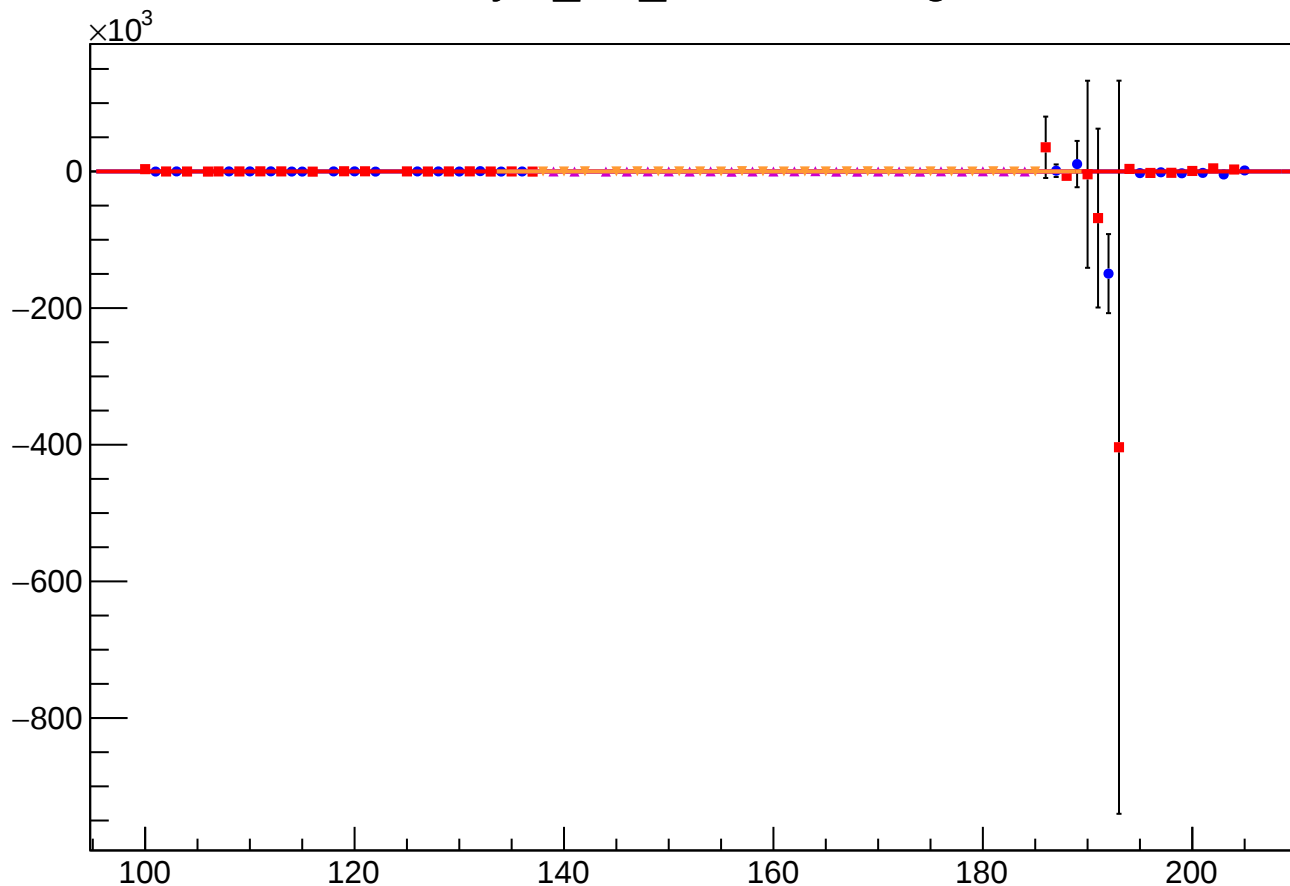
Left In: 1.802 $\pm$ 0.000 χ^2 /NDF:1921298.2/22

+ sign 1.650 $\pm$ 0.000 χ^2 /NDF: 11668511.9/48

All: 1.685 $\pm$ 0.000 χ^2 /NDF: 23205632.5/100

- sign 1.722 $\pm$ 0.000 χ^2 /NDF: 11501865.2/51

asym_dsl_mean vs Slug



Right In: -1.326 ± 36.773 χ^2/NDF : 25.6/24

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

Right Out: -1.278 ± 36.759 χ^2/NDF : 17.9/28

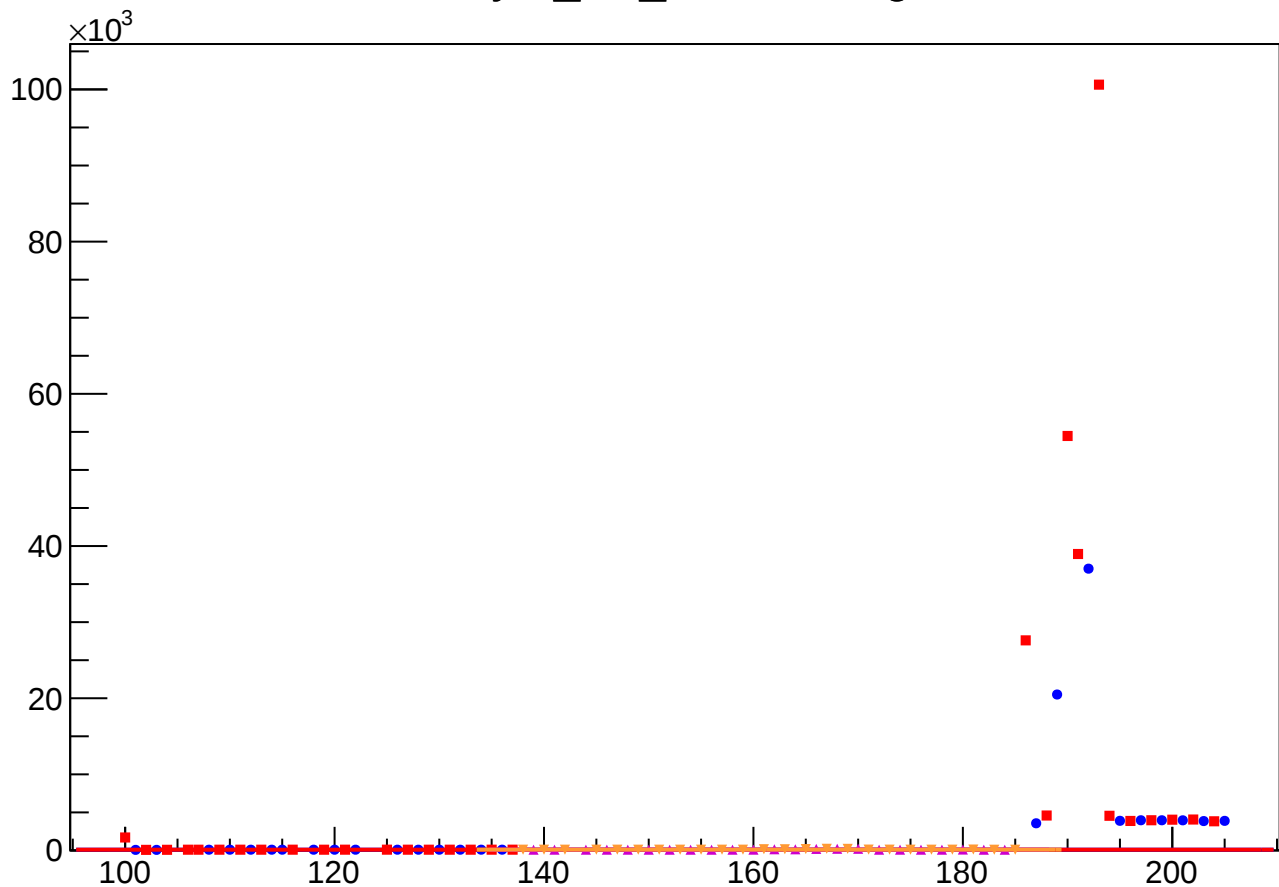
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 8.125 ± 21.375 χ^2/NDF : 61.5/48

All: -4.489 ± 15.129 χ^2/NDF : 116.1/100

- sign -17.153 ± 21.417 χ^2/NDF : 53.9/51

asym_dsl_rms vs Slug



Right In: 95.790 $\pm$ 0.026 χ^2 /NDF: 11180961.4/24

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

Right Out: 97.933 $\pm$ 0.026 χ^2 /NDF: 10689364.5/28

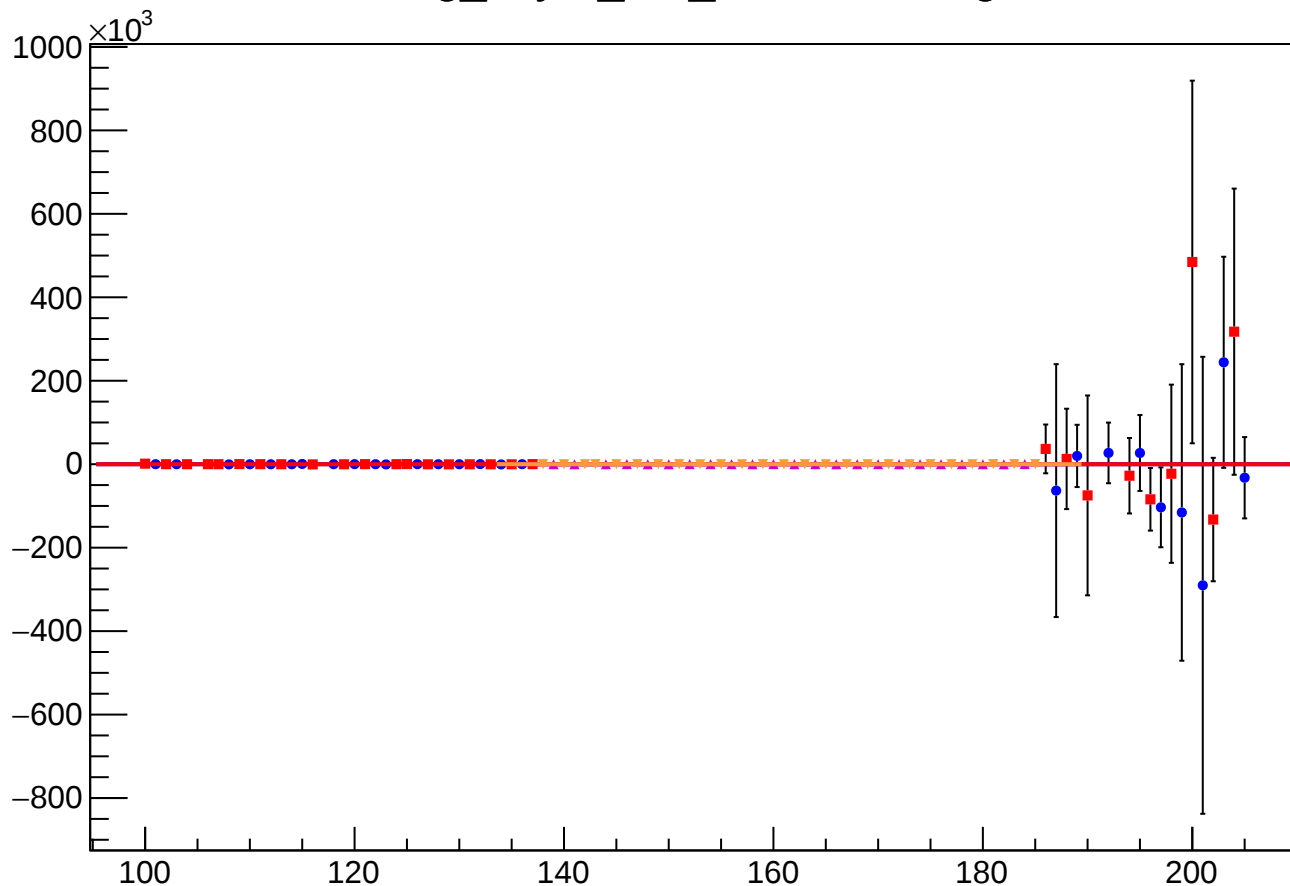
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.934 $\pm$ 0.015 χ^2 /NDF: 12765502.1/48

All: 104.160 $\pm$ 0.011 χ^2 /NDF: 25040973.7/10

- sign 104.387 $\pm$ 0.015 χ^2 /NDF: 12275024.6/51

reg_asym_dsr_mean vs Slug



Right In: -26.801 ± 46.841 χ^2/NDF : 17.4/25

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

Right Out: -53.405 ± 47.775 χ^2/NDF : 20.2/27

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

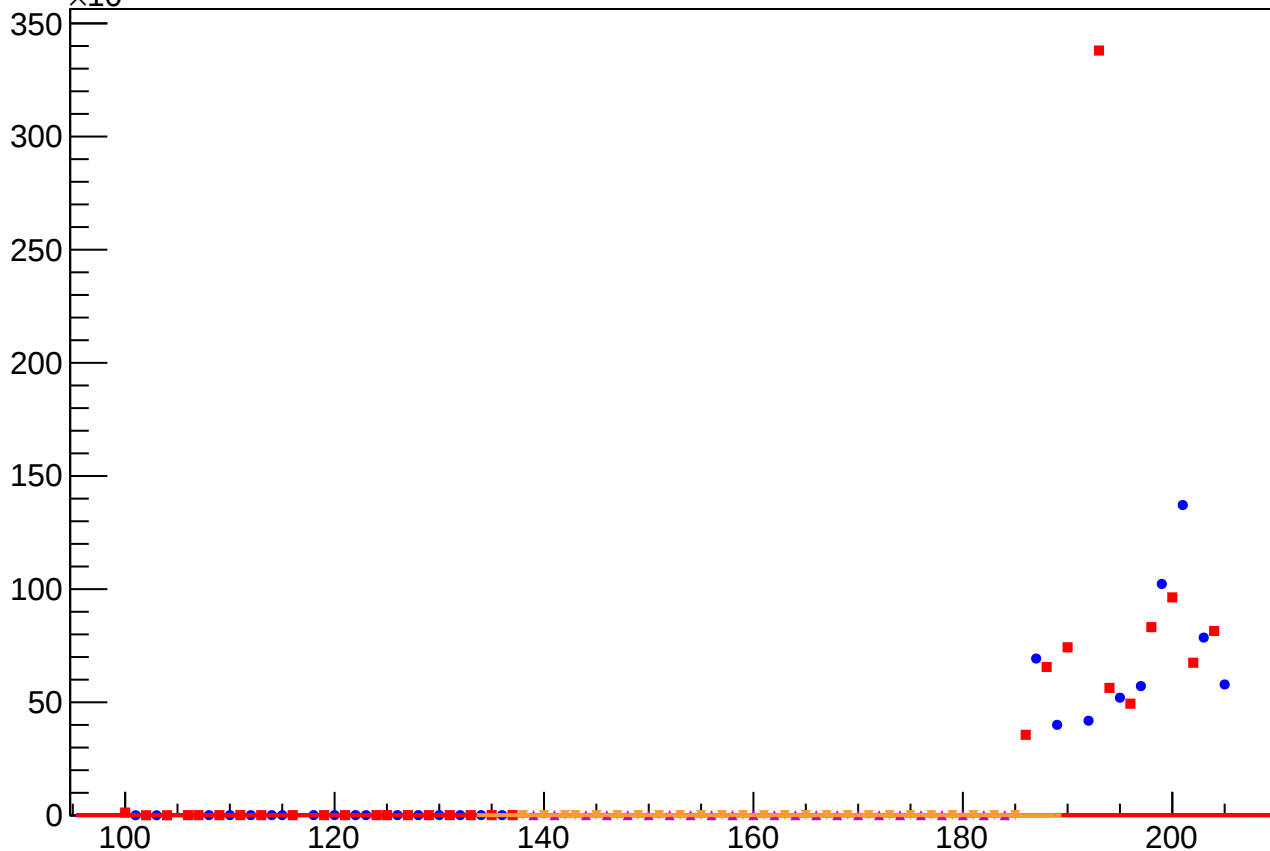
+ sign -17.287 ± 26.458 χ^2/NDF : 29.4/50

All: 4.343 ± 18.939 χ^2/NDF : 74.4/101

- sign 27.069 ± 27.121 χ^2/NDF : 43.6/50

reg_asym_dsr_rms vs Slug

$\times 10^3$



Right In: 117.853 $\pm$ 0.033 χ^2 /NDF: 5201990.2/25

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

Right Out: 124.820 $\pm$ 0.034 χ^2 /NDF: 5268232.2/28

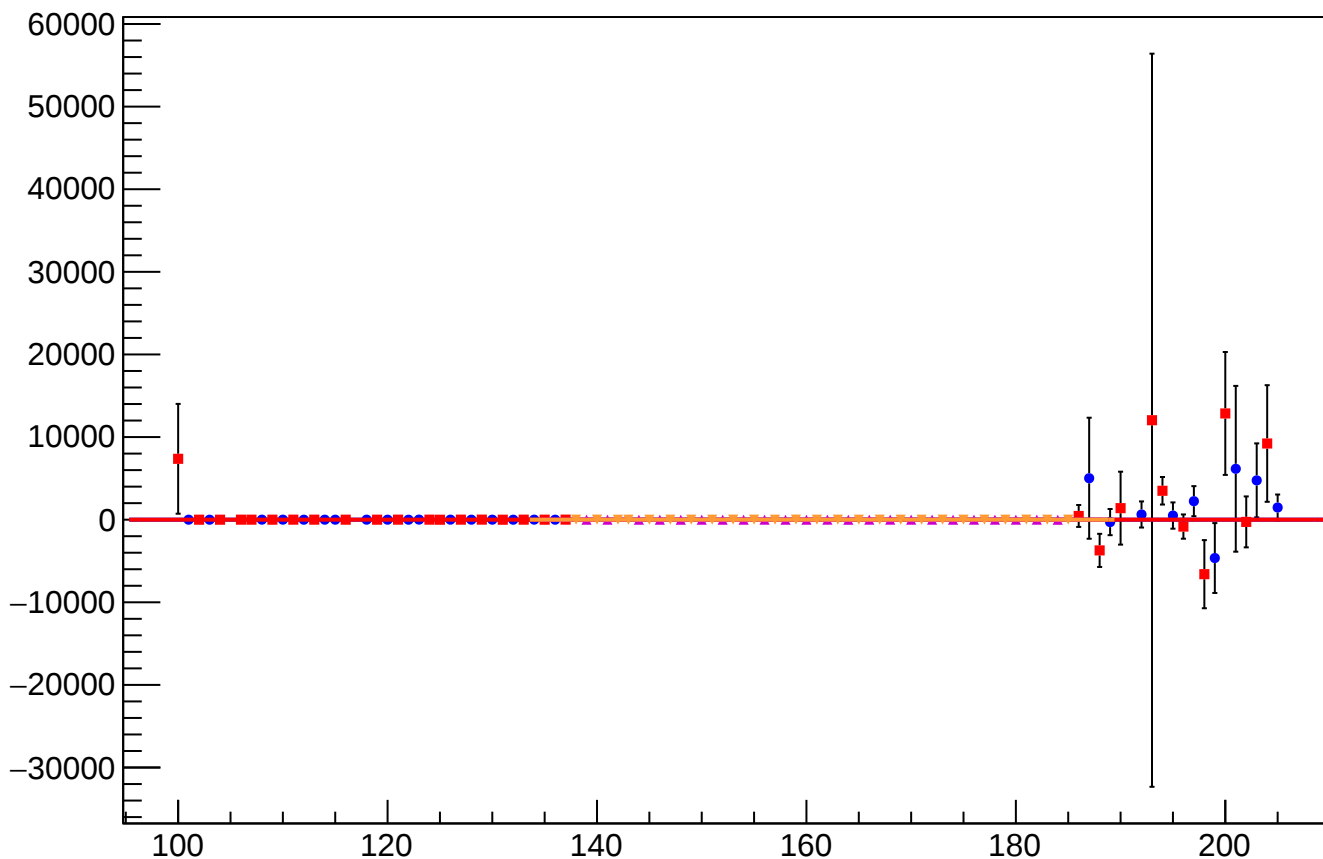
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF:460.3/22

+ sign 131.474 $\pm$ 0.019 χ^2 /NDF: 5450808.5/50

All: 132.521 $\pm$ 0.013 χ^2 /NDF: 10826038.9/10

- sign 133.620 $\pm$ 0.019 χ^2 /NDF: 5368816.0/51

asym_dsr_correction_mean vs Slug



Right In: -0.718 ± 0.810 χ^2/NDF : 18.1/25

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

Right Out: 0.638 ± 0.852 χ^2/NDF : 30.4/28

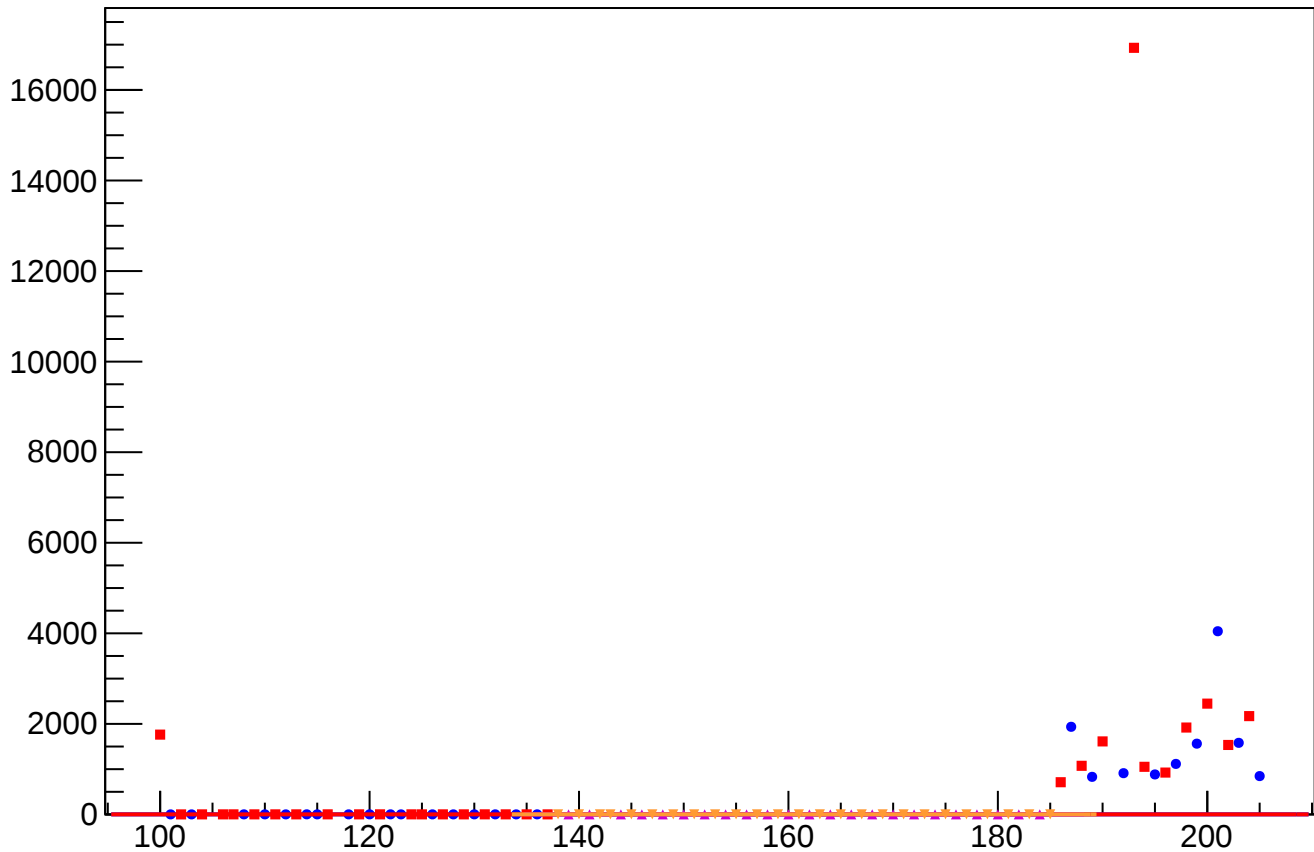
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 48.5/50

All: 0.046 ± 0.334 χ^2/NDF : 100.4/102

- sign 0.003 ± 0.479 χ^2/NDF : 51.9/51

asym_dsr_correction_rms vs Slug



Right In: 1.867 $\pm$ 0.001 χ^2 /NDF: 4629576.0/25

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

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 5145331.0/28

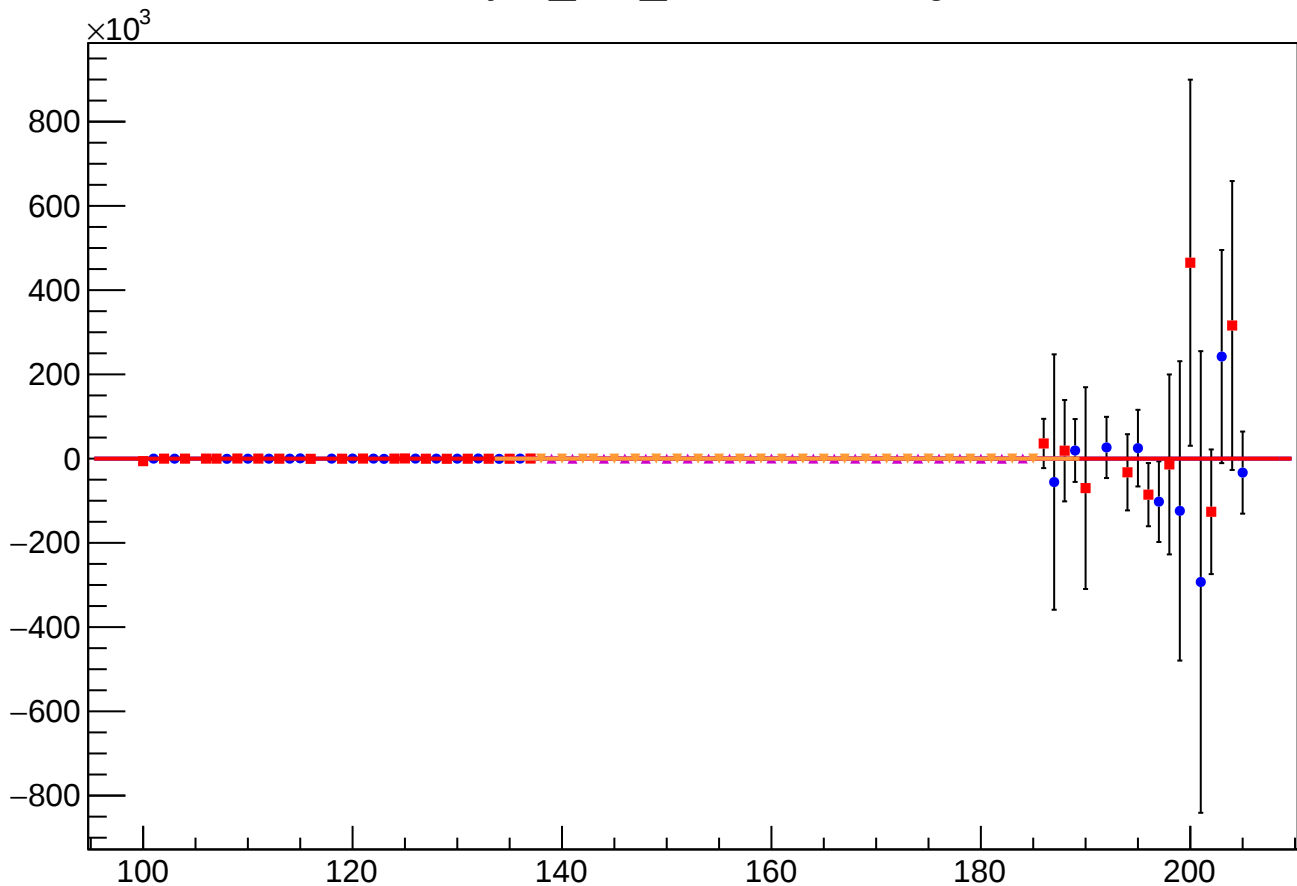
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 5322385.6/50

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 11011654.0/102

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 5687056.2/51

asym_dsr_mean vs Slug



Right In: -25.064 ± 46.854 $\chi^2/\text{NDF}: 17.4/25$

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

Right Out: -54.307 ± 47.789 $\chi^2/\text{NDF}: 20.7/27$

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

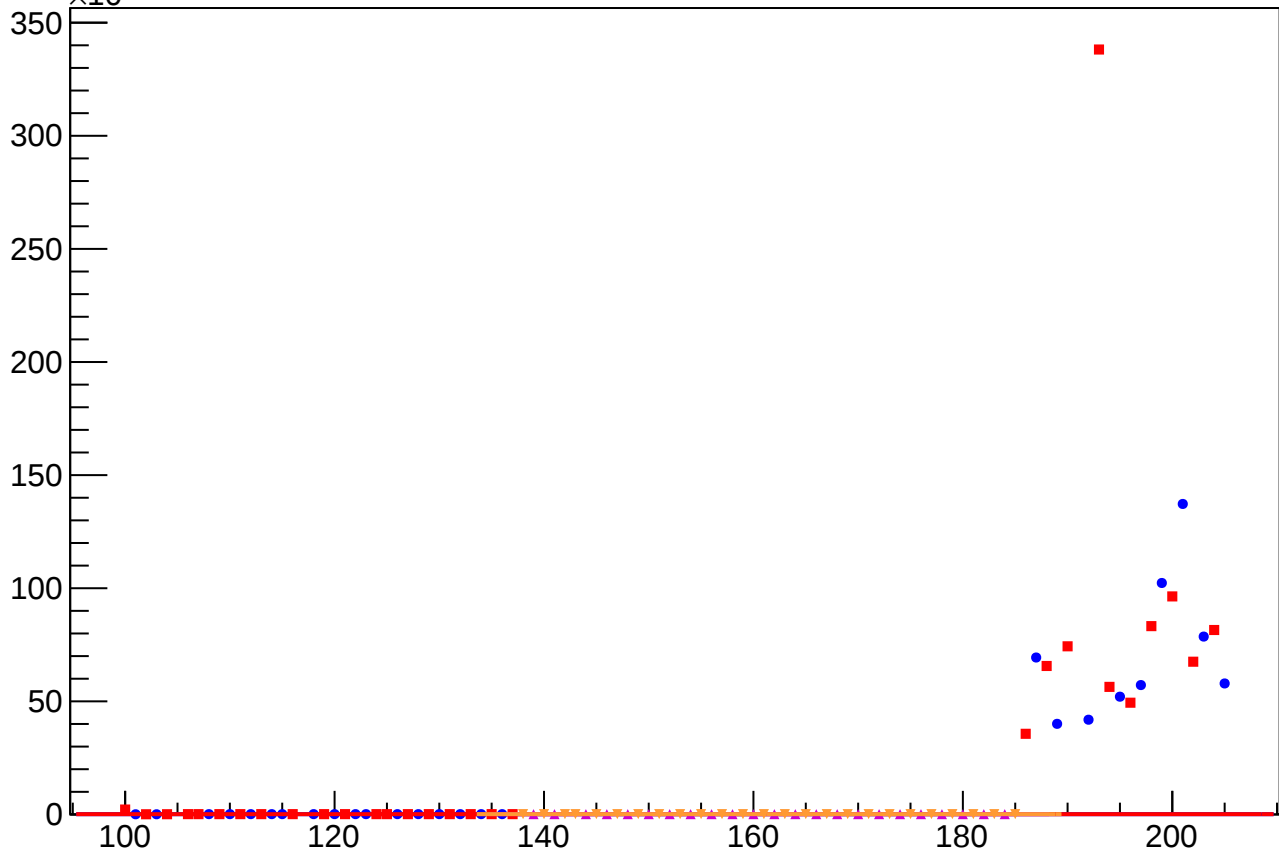
+ sign -17.110 ± 26.465 $\chi^2/\text{NDF}: 29.2/50$

All: 4.258 ± 18.944 $\chi^2/\text{NDF}: 74.9/101$

- sign 26.709 ± 27.129 $\chi^2/\text{NDF}: 44.3/50$

asym_dsr_rms vs Slug

$\times 10^3$



Right In: 117.885 $\pm$ 0.033 χ^2 /NDF: 5202136.7/25

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

Right Out: 124.809 $\pm$ 0.034 χ^2 /NDF: 5278898.7/28

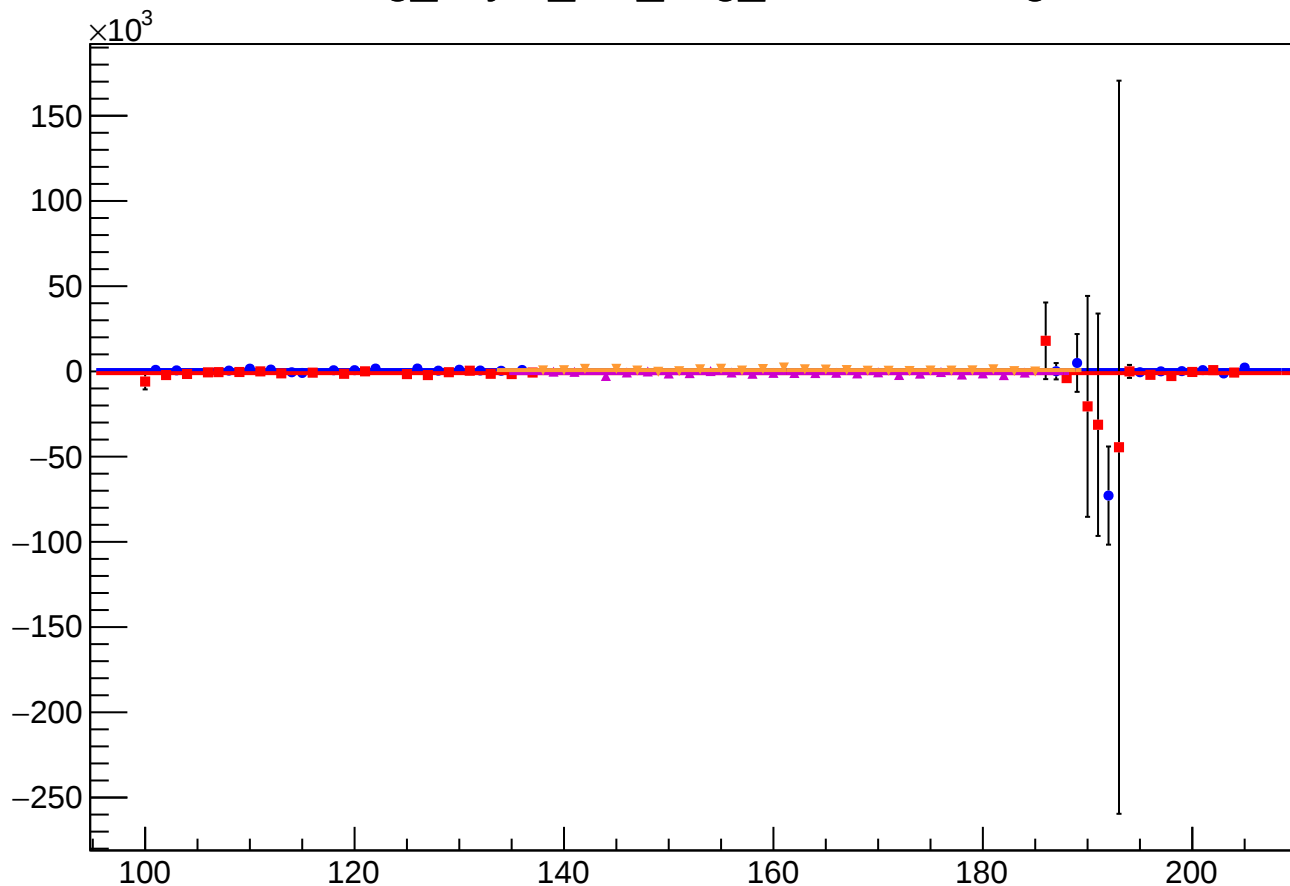
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.511 $\pm$ 0.019 χ^2 /NDF: 5450986.3/50

All: 132.550 $\pm$ 0.013 χ^2 /NDF: 10837508.2/10

- sign 133.643 $\pm$ 0.019 χ^2 /NDF: 5380191.6/51

reg_asym_left_avg_mean vs Slug



Right In: 811.141 ± 210.744 χ^2/NDF : 13.6/24

Left Out: 784.371 ± 134.054 χ^2/NDF : 19.2/23

Right Out: -1014.627 ± 208.260 χ^2/NDF : 17.5/28

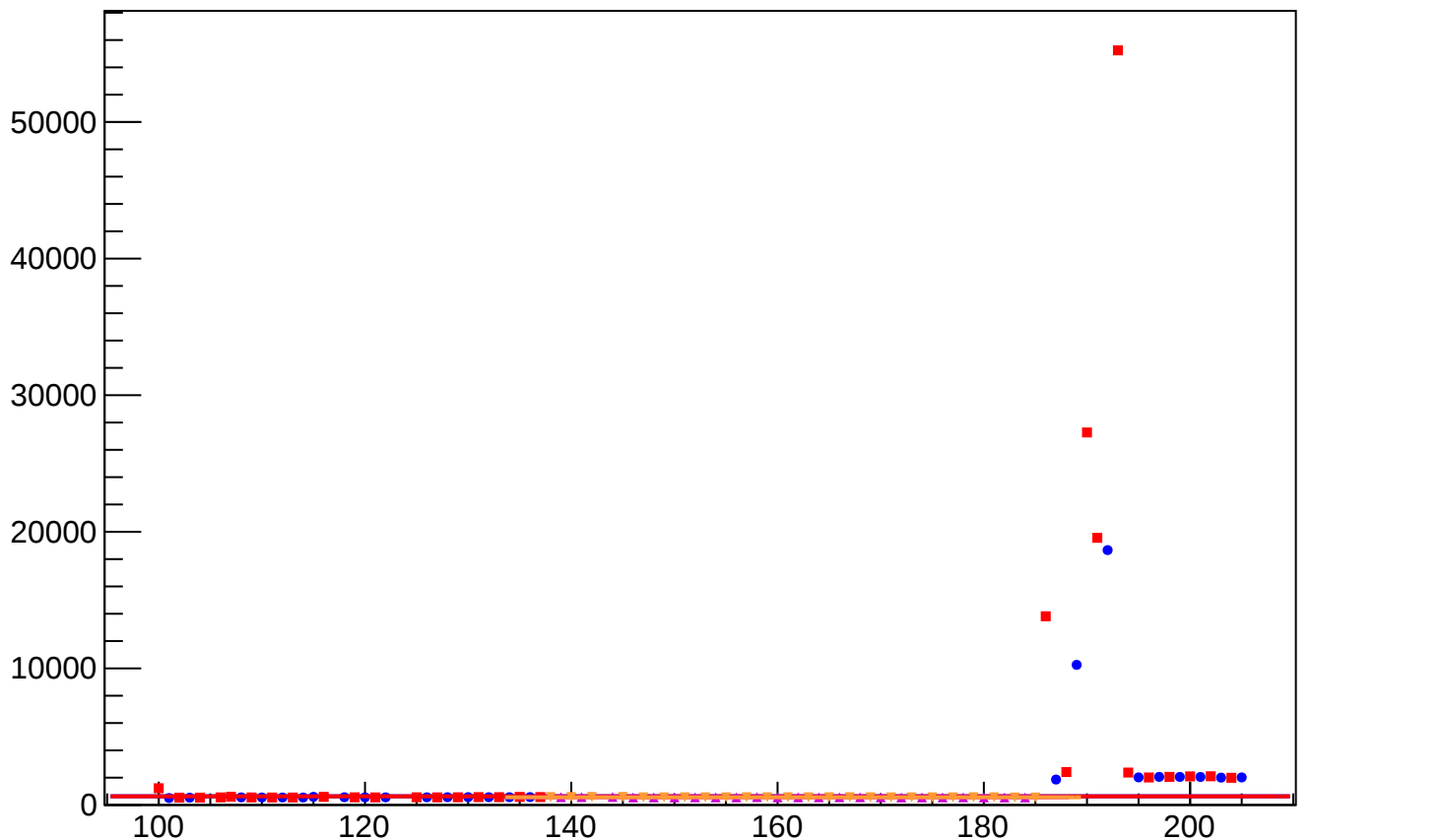
Left In: -974.402 ± 134.932 χ^2/NDF : 27.4/22

+ sign 792.082 ± 113.110 χ^2/NDF : 32.8/48

All: -96.072 ± 80.027 χ^2/NDF : 201.2/100

- sign -986.295 ± 113.241 χ^2/NDF : 44.9/51

reg_asym_left_avg_rms vs Slug



Right In: 638.401+/-0.149 χ^2/NDF : 6410865.1/24

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

Right Out: 635.797+/-0.147 χ^2/NDF : 6315588.7/28

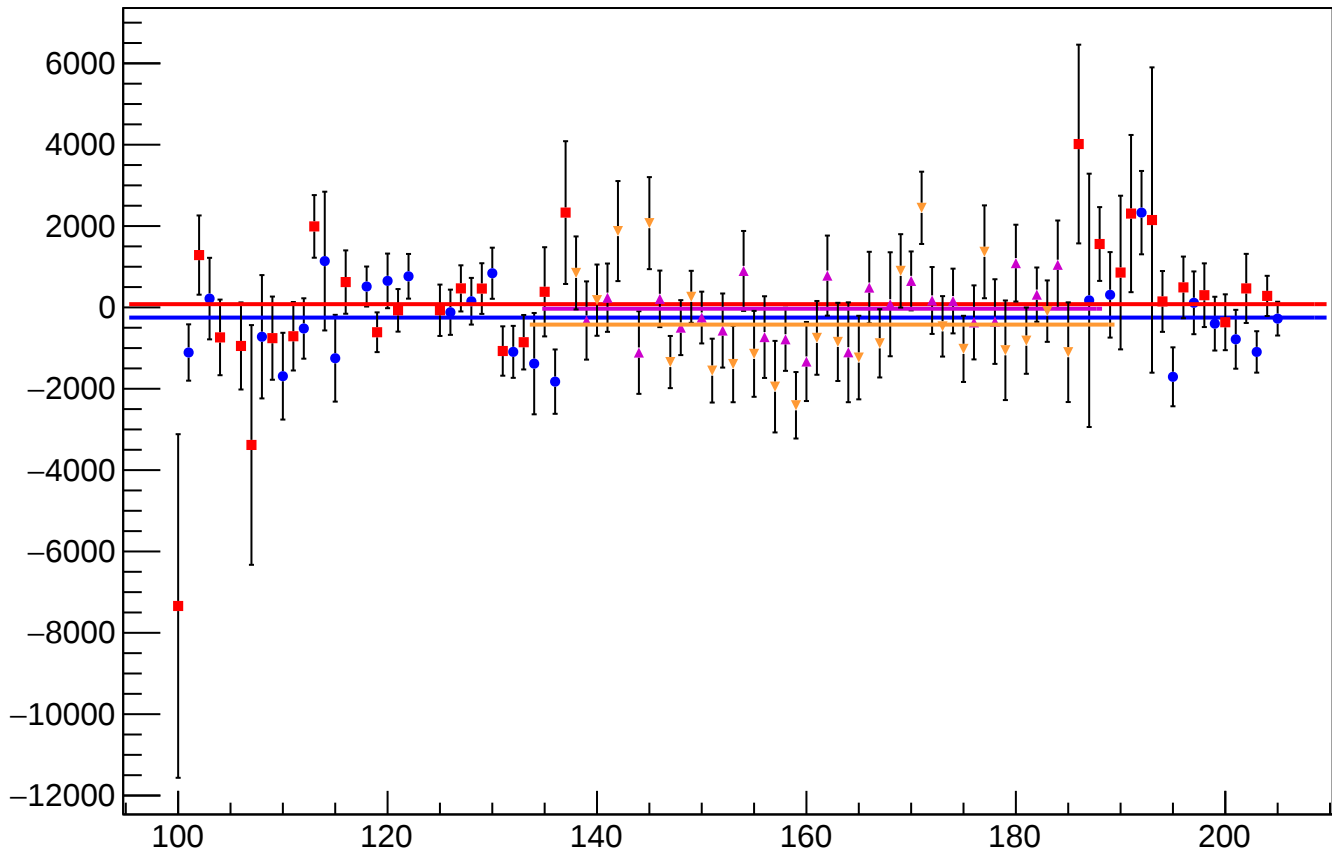
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 585.534+/-0.080 χ^2/NDF : 6597244.0/48

All: 585.516+/-0.057 χ^2/NDF : 13087681.9/10

- sign 585.498+/-0.080 χ^2/NDF : 6490437.7/51

asym_left_avg_correction_mean vs Slug



Right In: -250.052+/-141.427 χ^2/NDF : 37.3/24

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

Right Out: 79.784+/-147.662 χ^2/NDF : 34.4/28

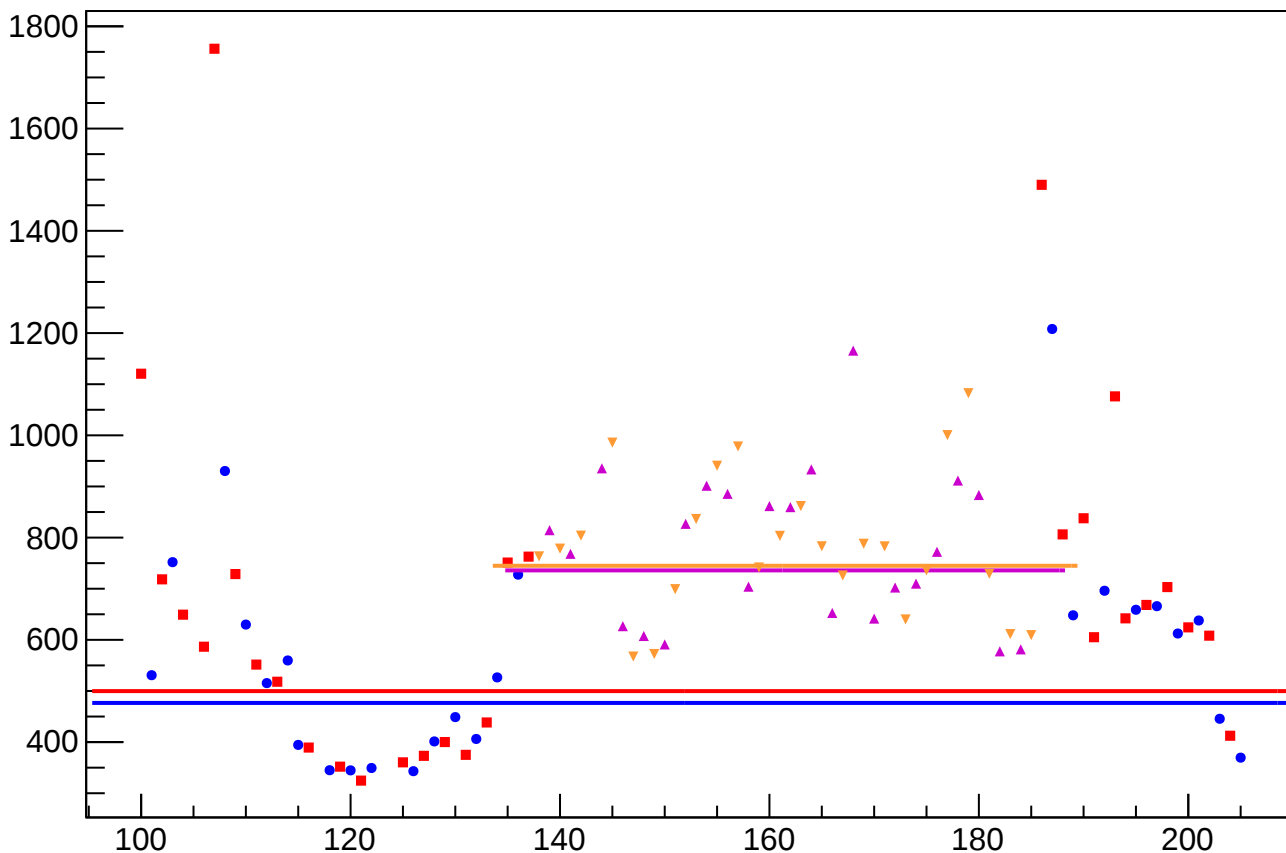
Left In: -32.411+/-179.430 χ^2/NDF : 12.2/22

+ sign -315.669+/-111.351 χ^2/NDF : 81.1/48

All: -144.737+/-79.663 χ^2/NDF : 132.7/100

- sign 34.481+/-114.017 χ^2/NDF : 46.8/51

asym_left_avg_correction_rms vs Slug



Right In: 476.628 $\pm$ 0.100 χ^2 /NDF: 1941779.7/24

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

Right Out: 499.747 $\pm$ 0.104 χ^2 /NDF: 2769208.8/28

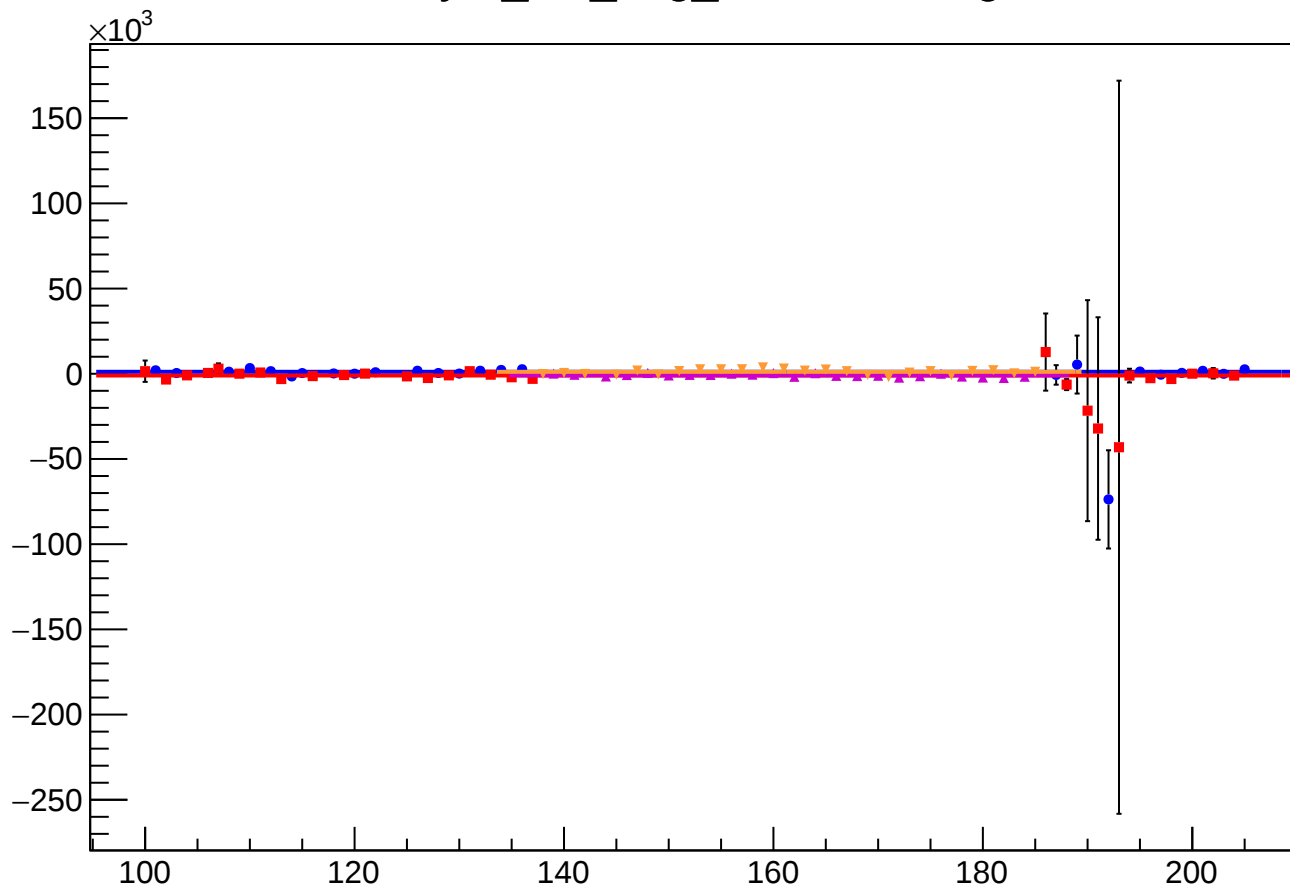
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 578.603 $\pm$ 0.079 χ^2 /NDF: 5686180.4/48

All: 586.648 $\pm$ 0.056 χ^2 /NDF: 11646817.3/10

- sign 595.082 $\pm$ 0.081 χ^2 /NDF: 5939254.3/51

asym_left_avg_mean vs Slug



Right In: 1165.092 ± 282.675 $\chi^2/\text{NDF}: 19.9/24$

Left Out: 1137.936 ± 228.834 $\chi^2/\text{NDF}: 38.9/23$

Right Out: -1013.242 ± 282.741 $\chi^2/\text{NDF}: 28.2/28$

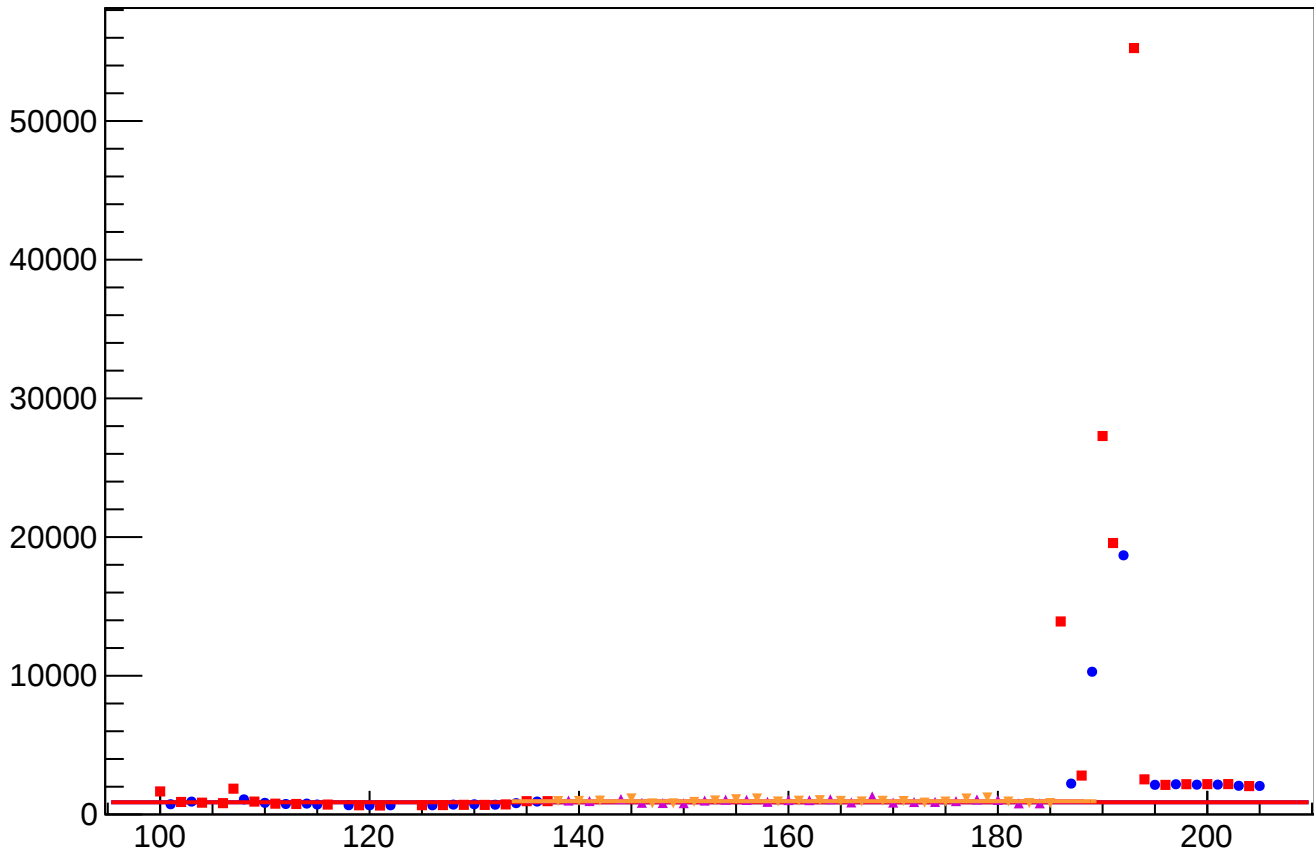
Left In: -941.702 ± 228.324 $\chi^2/\text{NDF}: 14.8/22$

+ sign 1148.687 ± 177.859 $\chi^2/\text{NDF}: 58.8/48$

All: 88.043 ± 125.687 $\chi^2/\text{NDF}: 172.8/100$

- sign -969.940 ± 177.636 $\chi^2/\text{NDF}: 43.0/51$

asym_left_avg_rms vs Slug



Right In: 878.999+/-0.200 χ^2/NDF : 5409911.2/24

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

Right Out: 877.740+/-0.200 χ^2/NDF : 5730206.4/28

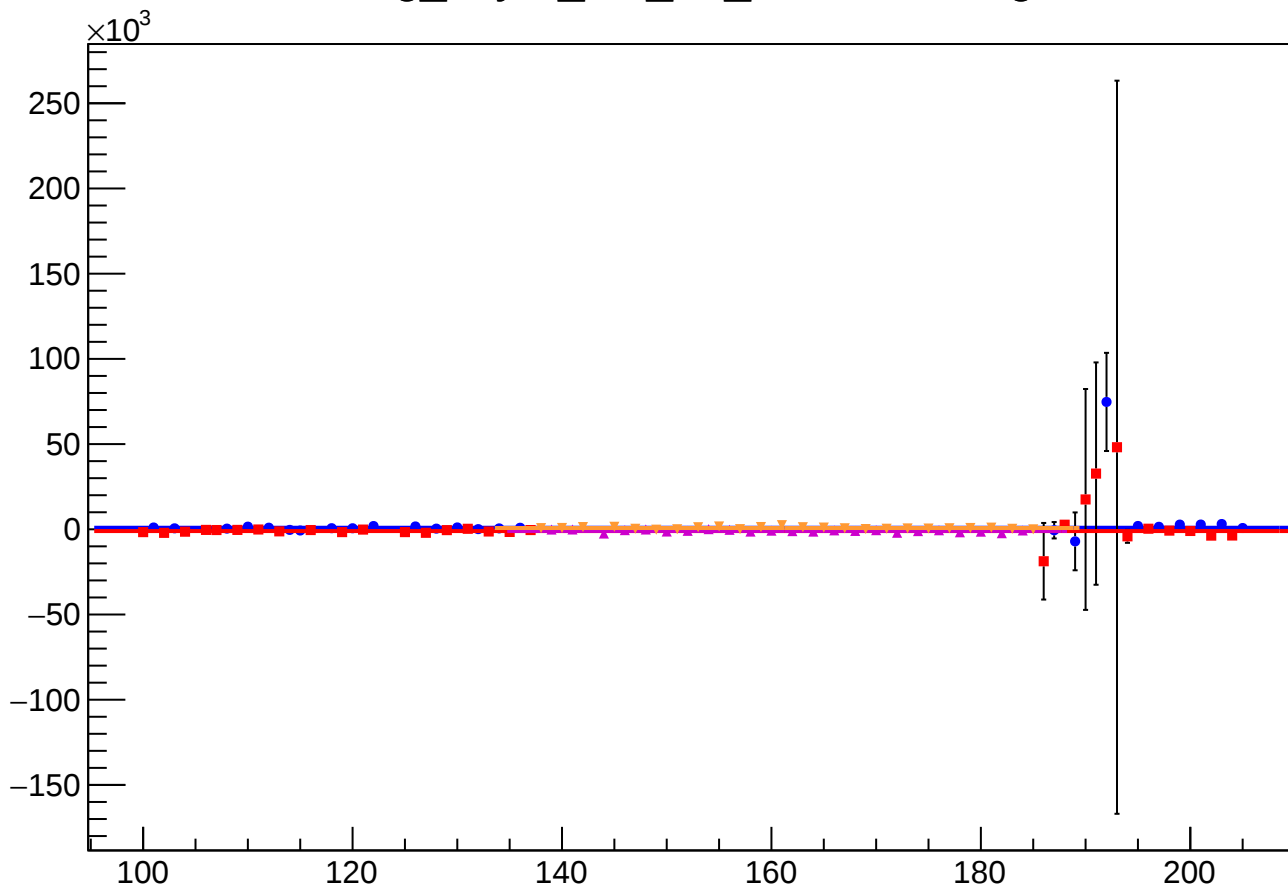
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 924.509+/-0.126 χ^2/NDF : 5955873.2/48

All: 921.953+/-0.089 χ^2/NDF : 12260018.6/10

- sign 919.403+/-0.126 χ^2/NDF : 6303320.3/51

reg_asym_left_dd_mean vs Slug



Right In: 912.796 ± 210.606 χ^2/NDF : 15.7/24

Left Out: 757.642 ± 133.942 χ^2/NDF : 21.0/23

Right Out: -1032.887 ± 203.577 χ^2/NDF : 18.2/28

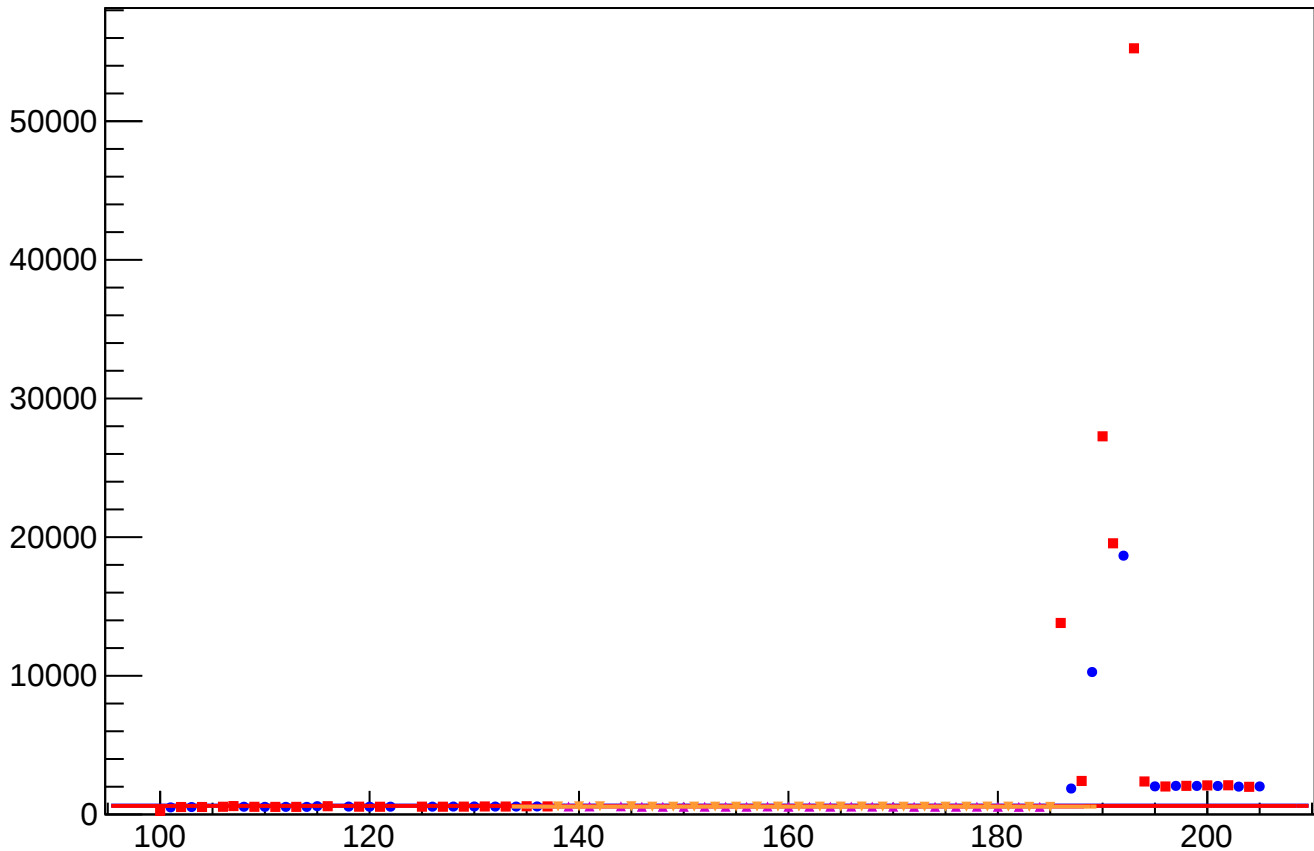
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 802.325 ± 113.021 χ^2/NDF : 37.1/48

All: -94.286 ± 79.700 χ^2/NDF : 207.4/100

- sign -981.191 ± 112.408 χ^2/NDF : 45.1/51

reg_asym_left_dd_rms vs Slug



Right In: 637.806+/-0.149 χ^2/NDF : 6421628.9/24

Left Out: 563.675+/-0.095 χ^2/NDF : 9542.9/23

Right Out: 616.900+/-0.144 χ^2/NDF : 6591465.5/28

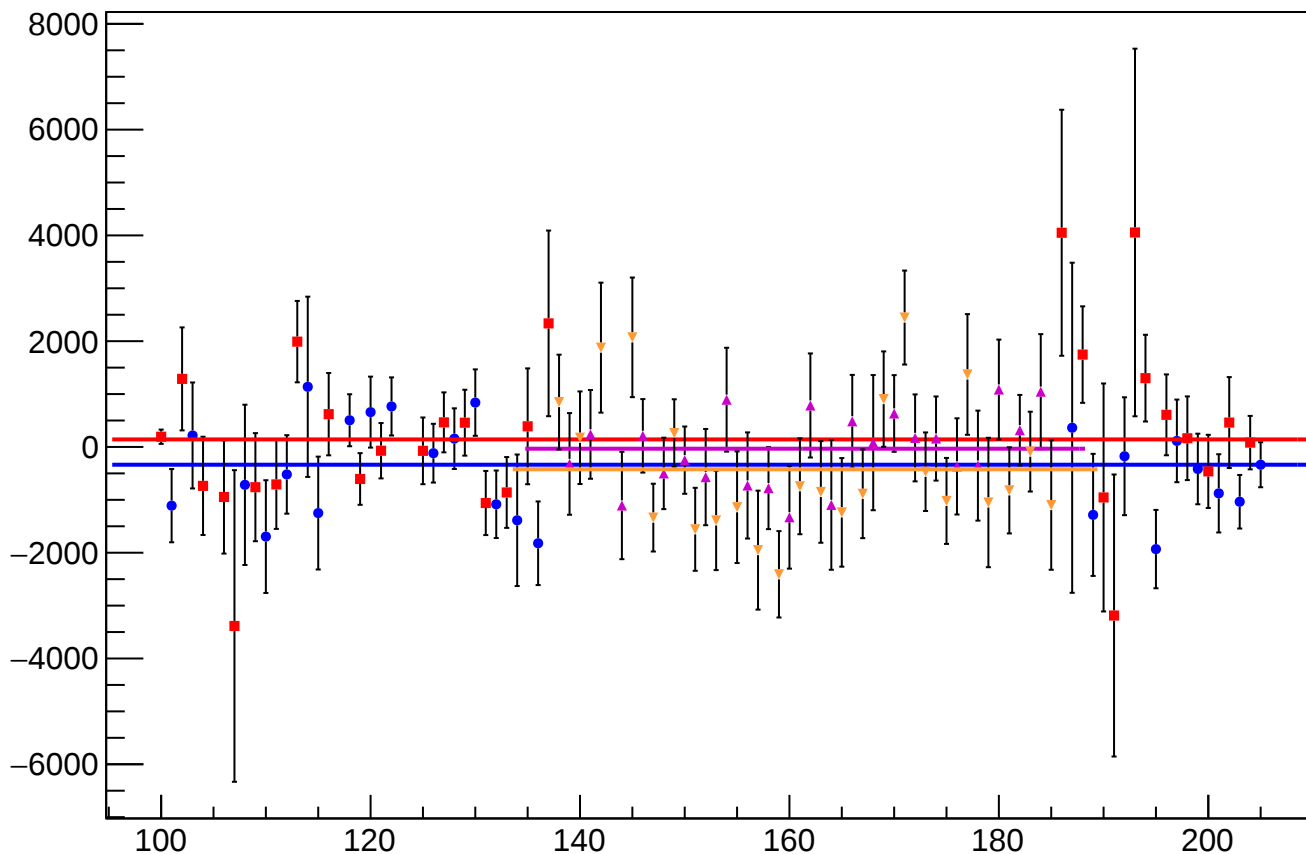
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 585.024+/-0.080 χ^2/NDF : 6607604.9/48

All: 582.540+/-0.056 χ^2/NDF : 13304305.1/10

- sign 580.083+/-0.079 χ^2/NDF : 6694778.4/51

asym_left_dd_correction_mean vs Slug



Right In: -336.039+/-142.509 χ^2/NDF : 32.1/24

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

Right Out: 142.455+/-100.025 χ^2/NDF : 36.1/28

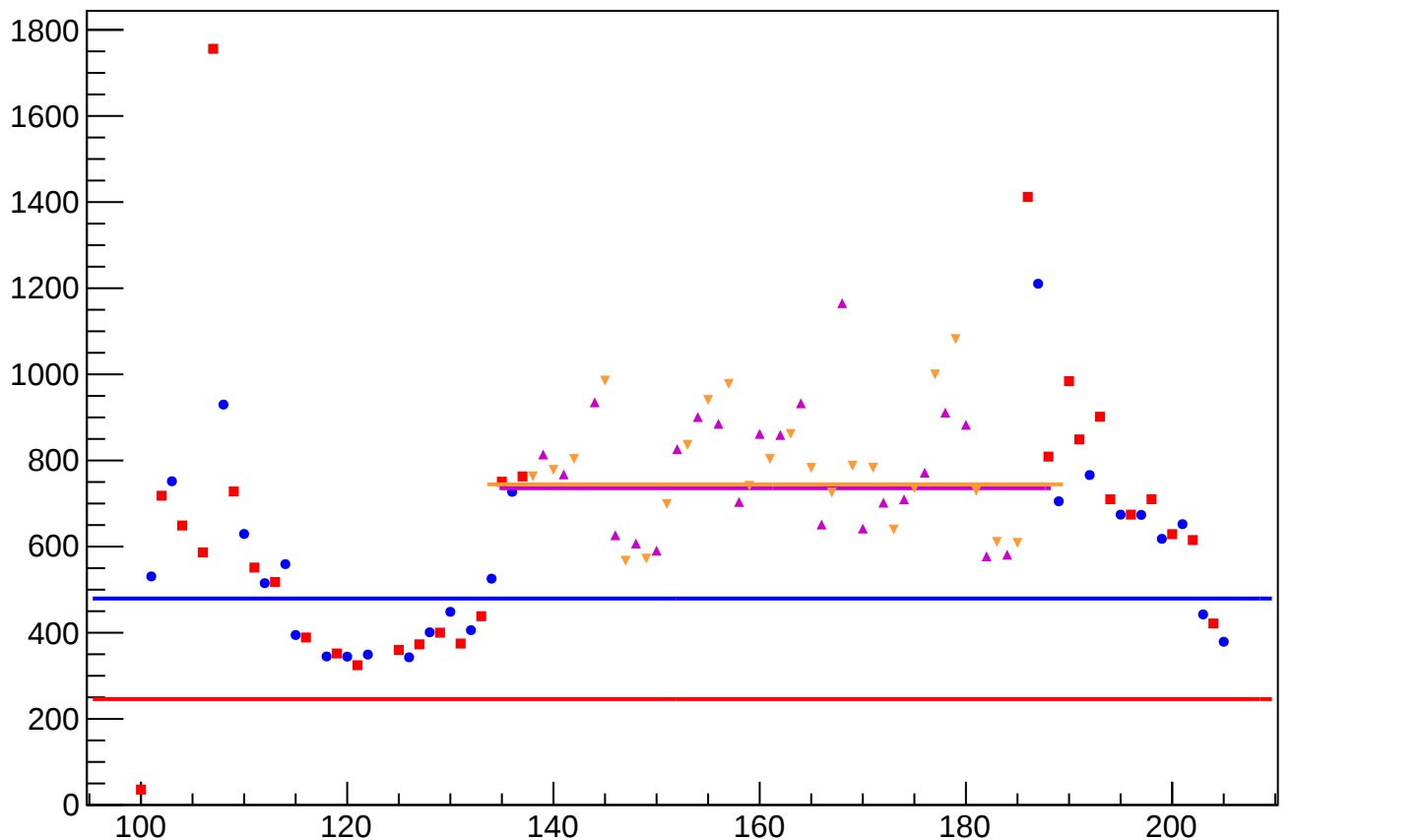
Left In: -33.325+/-179.355 χ^2/NDF : 12.1/22

+ sign -369.165+/-111.858 χ^2/NDF : 75.5/48

All: -77.276+/-68.849 χ^2/NDF : 135.5/100

- sign 100.754+/-87.358 χ^2/NDF : 49.0/51

asym_left_dd_correction_rms vs Slug



Right In: 479.452+/-0.101 χ^2/NDF : 2026110.6/24

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

Right Out: 245.977+/-0.071 χ^2/NDF : 13588523.5/28

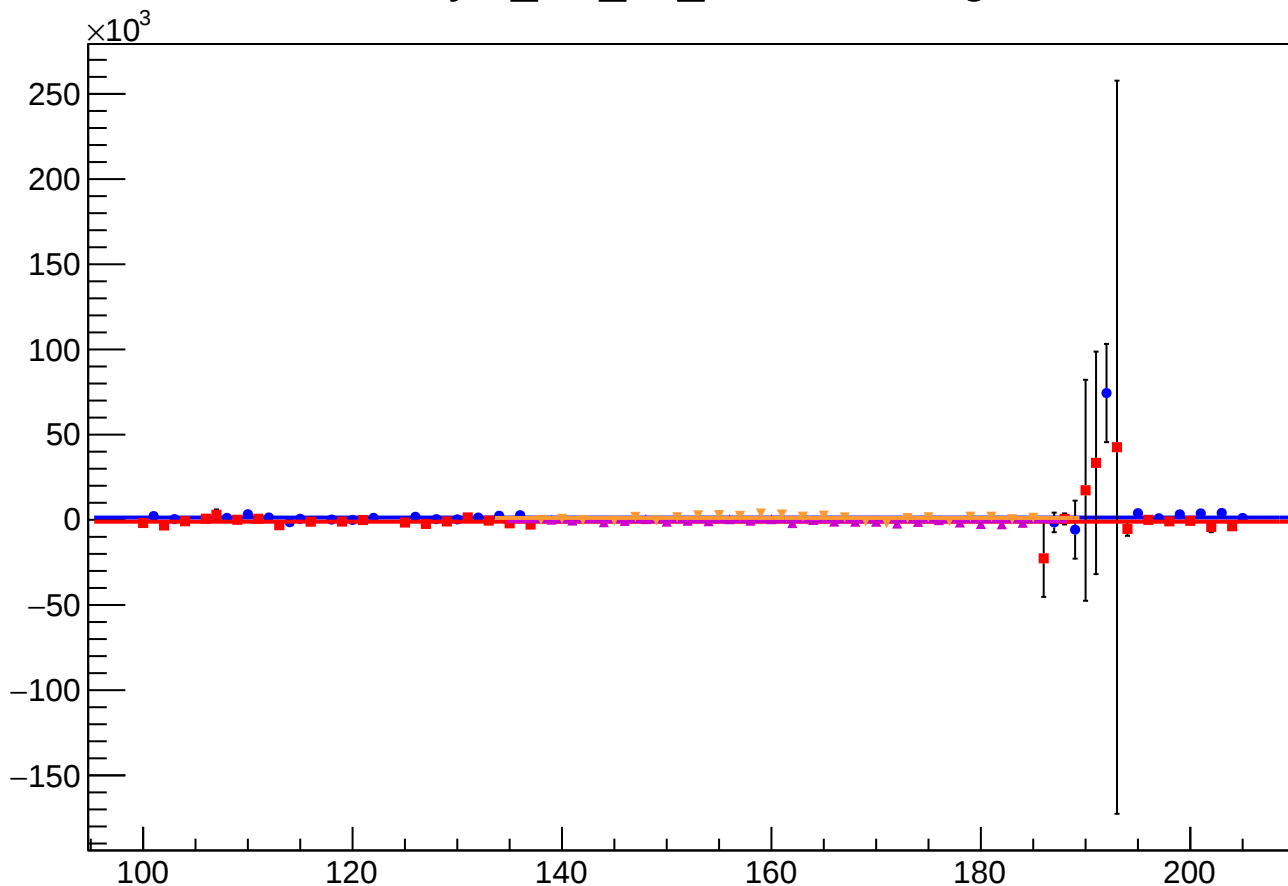
Left In: 735.543+/-0.127 χ^2/NDF :1105222.3/22

+ sign 581.243+/-0.079 χ^2/NDF : 5693608.2/48

All: 445.134+/-0.049 χ^2/NDF : 36520892.5/10

- sign 362.119+/-0.062 χ^2/NDF : 26059960.2/51

asym_left_dd_mean vs Slug



Right In: 1327.426 $\pm$ 282.563 χ^2 /NDF: 23.0/24

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

Right Out: -1096.155 $\pm$ 271.566 χ^2 /NDF: 27.6/28

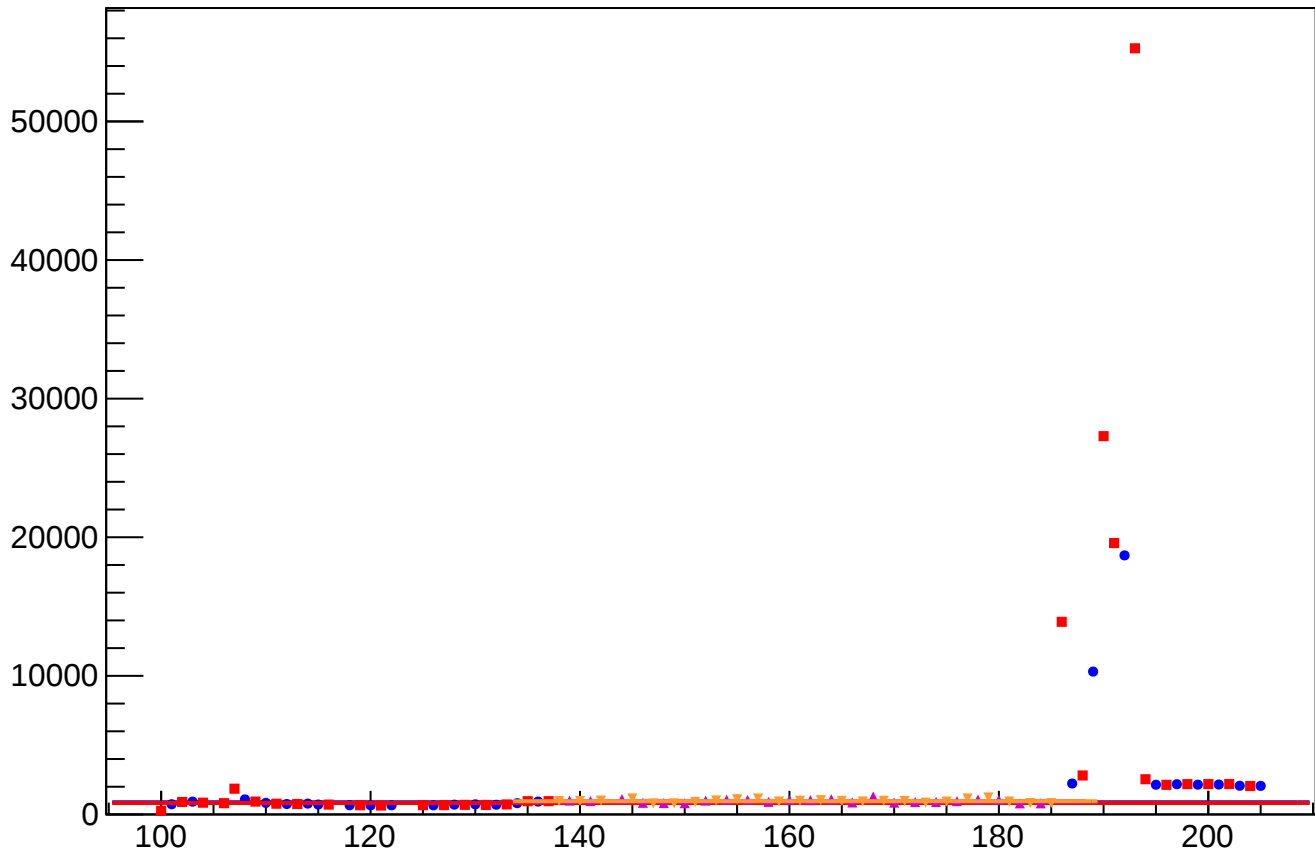
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1193.124 $\pm$ 177.769 χ^2 /NDF: 61.6/48

All: 79.239 $\pm$ 124.604 χ^2 /NDF: 181.8/100

- sign -996.587 $\pm$ 174.705 χ^2 /NDF: 43.0/51

asym_left_dd_rms vs Slug



Right In: 878.284+/-0.200 χ^2/NDF : 5426386.8/24

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

Right Out: 826.853+/-0.192 χ^2/NDF : 6465180.2/28

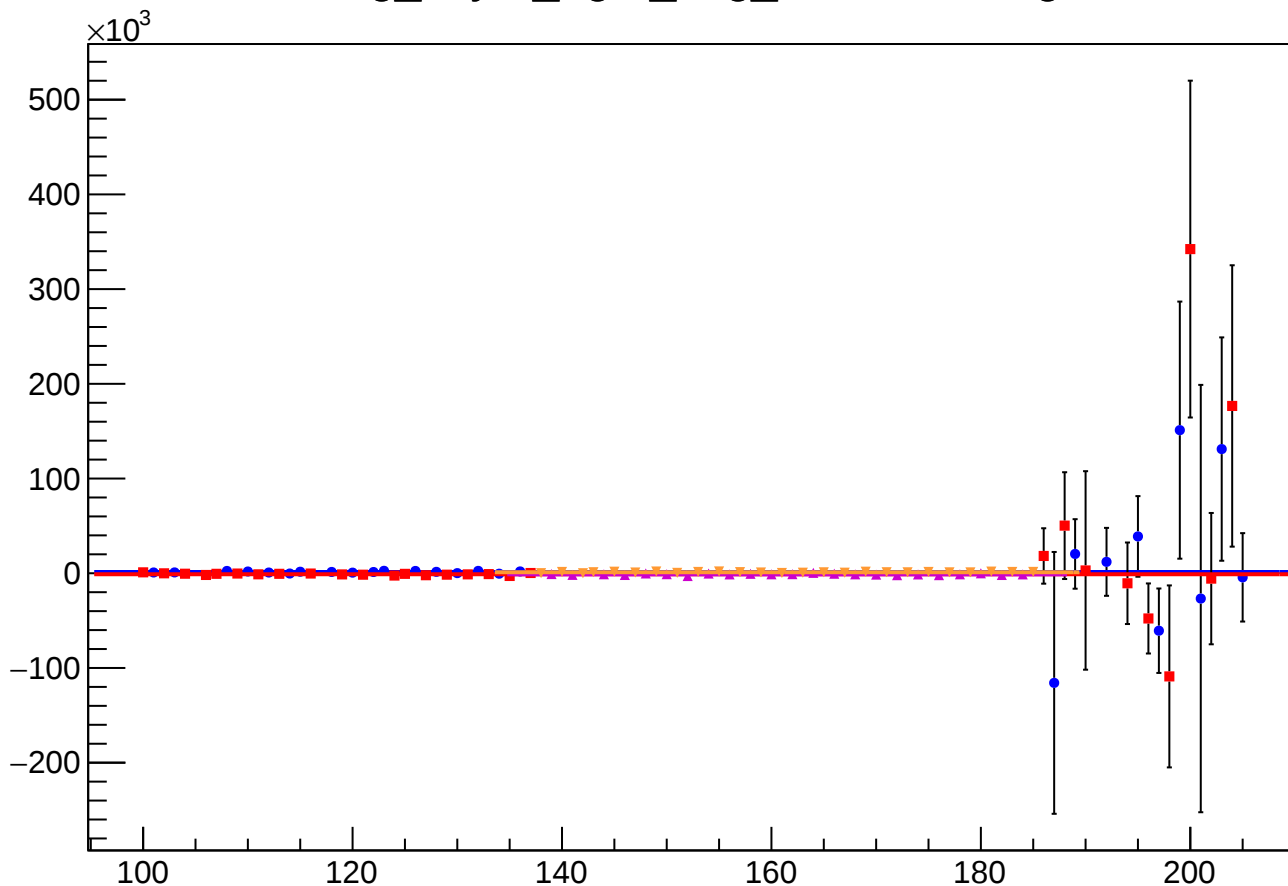
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 923.899+/-0.126 χ^2/NDF : 5972863.7/48

All: 910.070+/-0.088 χ^2/NDF : 13189089.4/10

- sign 896.713+/-0.124 χ^2/NDF : 7192431.2/51

reg_asym_right_avg_mean vs Slug



Right In: 1325.018 $\pm$ 218.583 χ^2 /NDF: 19.0/25

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

Right Out: -1040.229 $\pm$ 212.064 χ^2 /NDF: 22.8/27

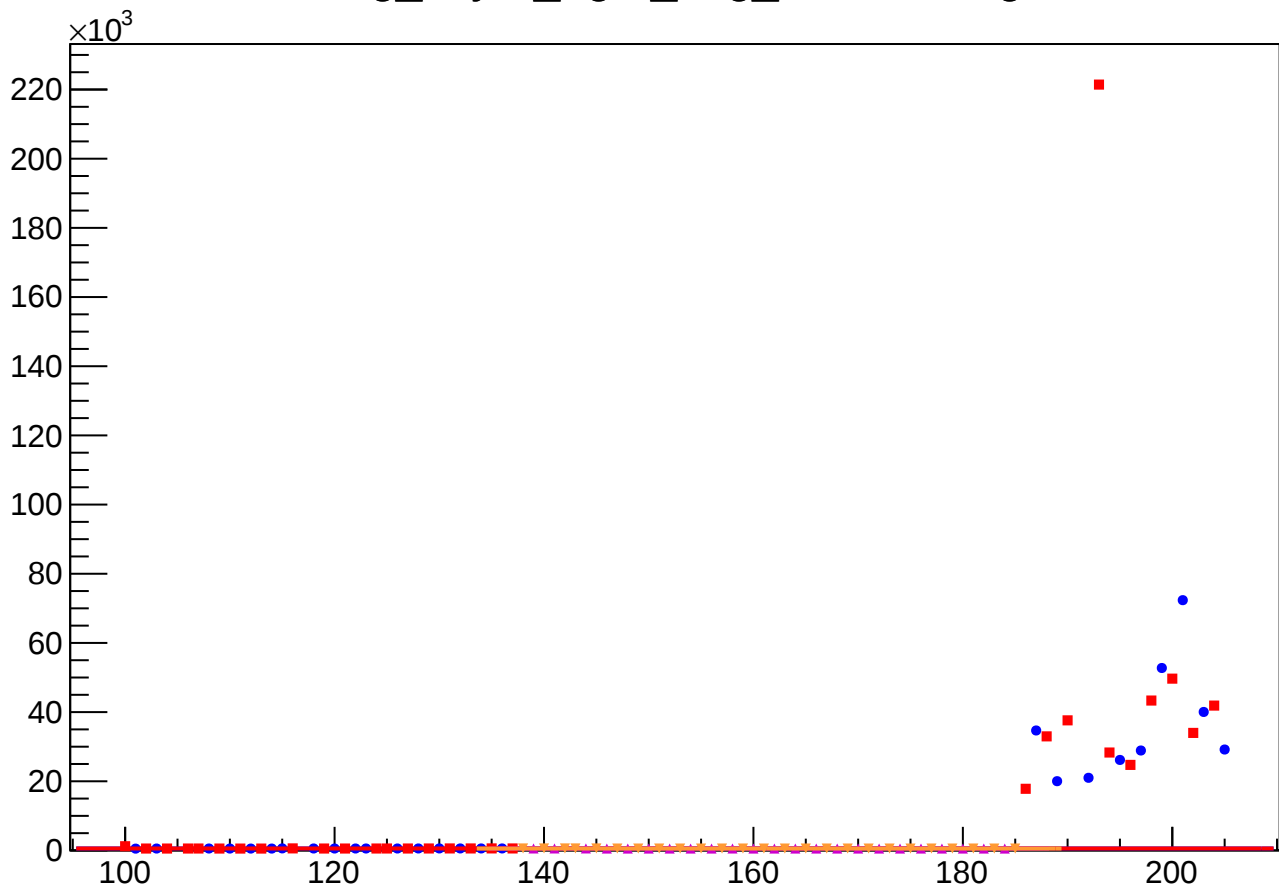
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1139.081 $\pm$ 111.535 χ^2 /NDF: 35.2/50

All: 31.792 $\pm$ 79.301 χ^2 /NDF: 287.4/101

- sign -1100.207 $\pm$ 112.773 χ^2 /NDF: 53.0/50

reg_asym_right_avg_rms vs Slug



Right In: 567.451 $\pm$ 0.155 χ^2 /NDF: 4482062.1/25

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

Right Out: 569.060 $\pm$ 0.150 χ^2 /NDF: 4720052.6/28

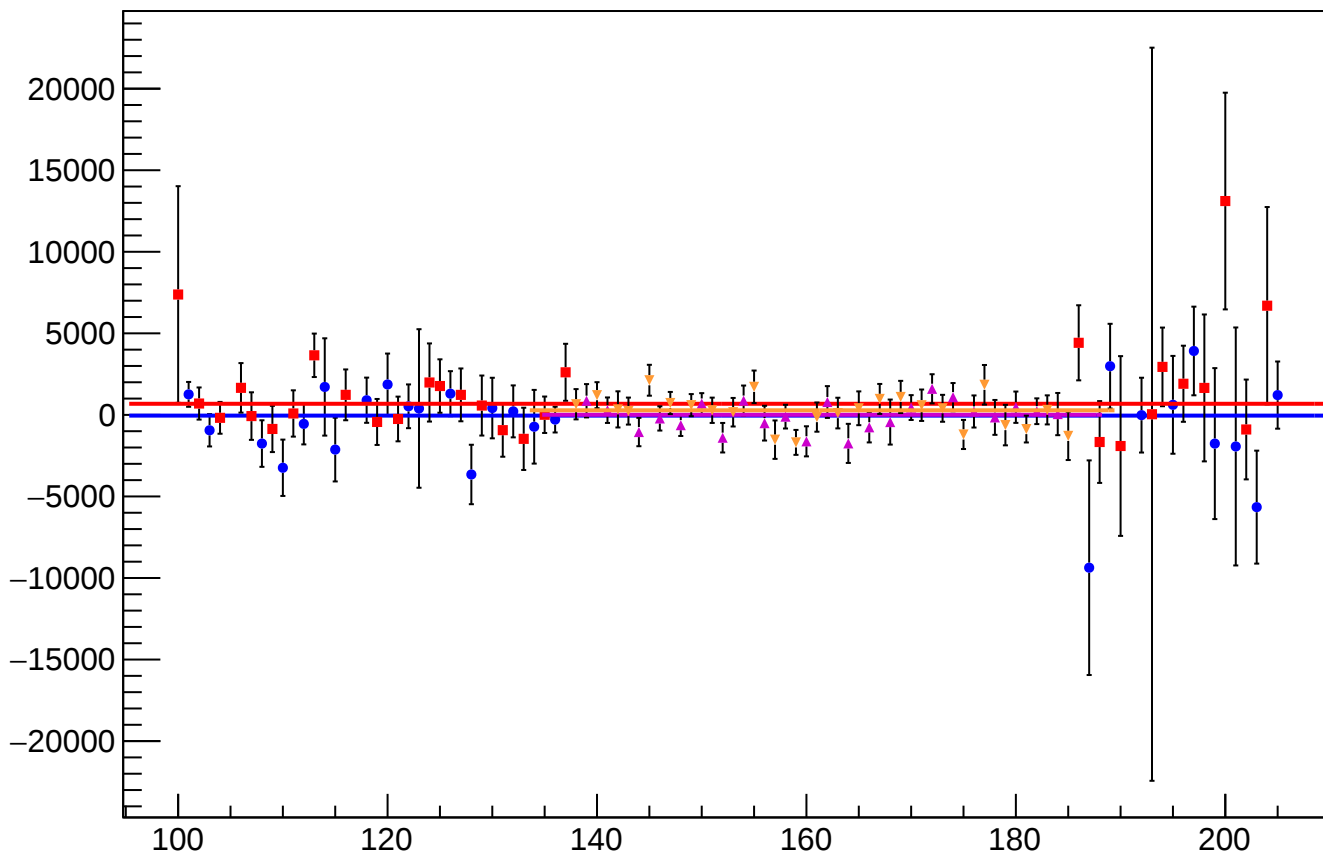
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 560.116 $\pm$ 0.079 χ^2 /NDF: 4499859.8/50

All: 560.251 $\pm$ 0.056 χ^2 /NDF: 9235790.9/102

- sign 560.388 $\pm$ 0.080 χ^2 /NDF: 4735925.2/51

asym_right_avg_correction_mean vs Slug



Right In: -44.203 ± 312.002 χ^2/NDF : 25.8/25

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

Right Out: 681.154 ± 316.805 χ^2/NDF : 24.4/28

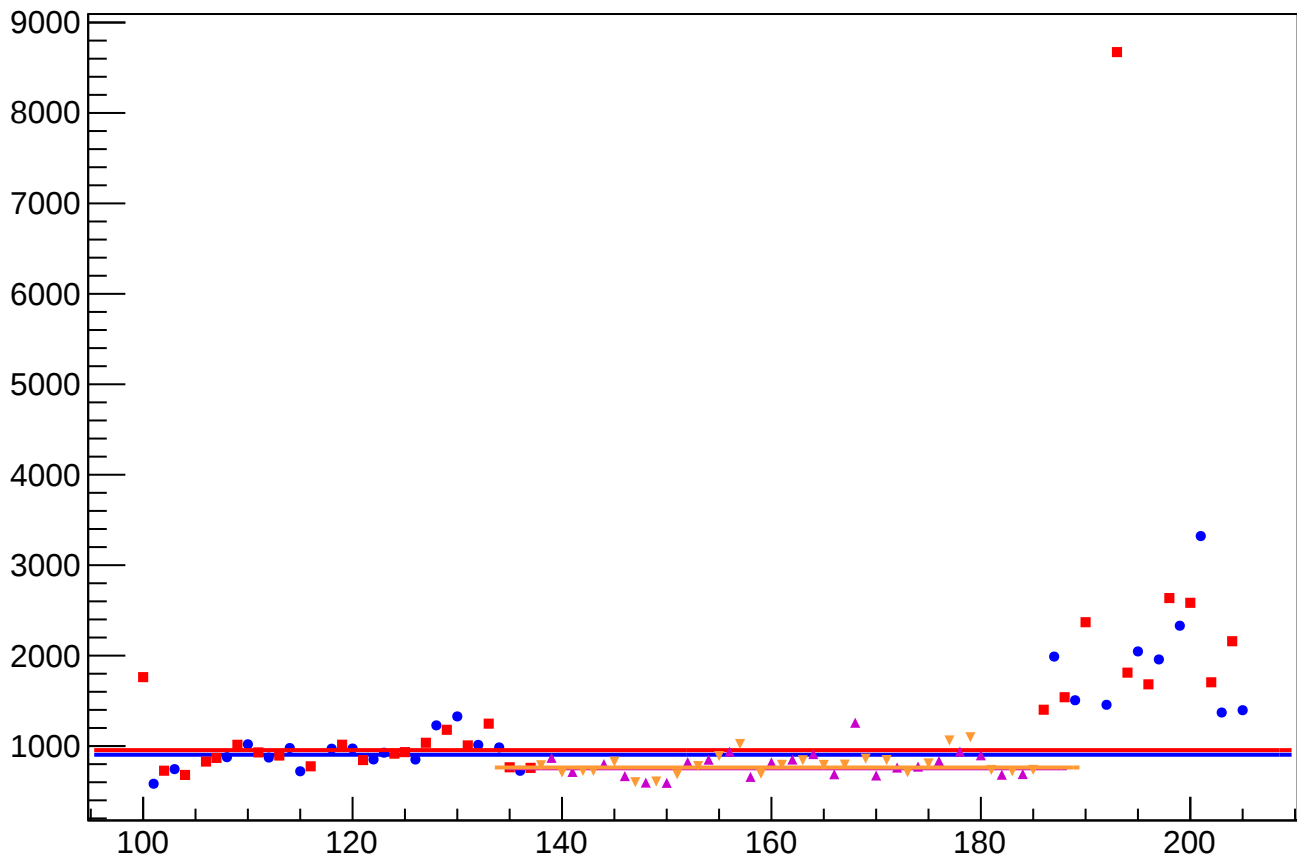
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 200.159 ± 156.189 χ^2/NDF : 53.4/50

All: 188.815 ± 111.323 χ^2/NDF : 101.3/102

- sign 177.101 ± 158.710 χ^2/NDF : 48.0/51

asym_right_avg_correction_rms vs Slug



Right In: 904.146+/-0.221 χ^2/NDF : 2159160.4/25

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

Right Out: 955.129+/-0.224 χ^2/NDF : 2133382.5/28

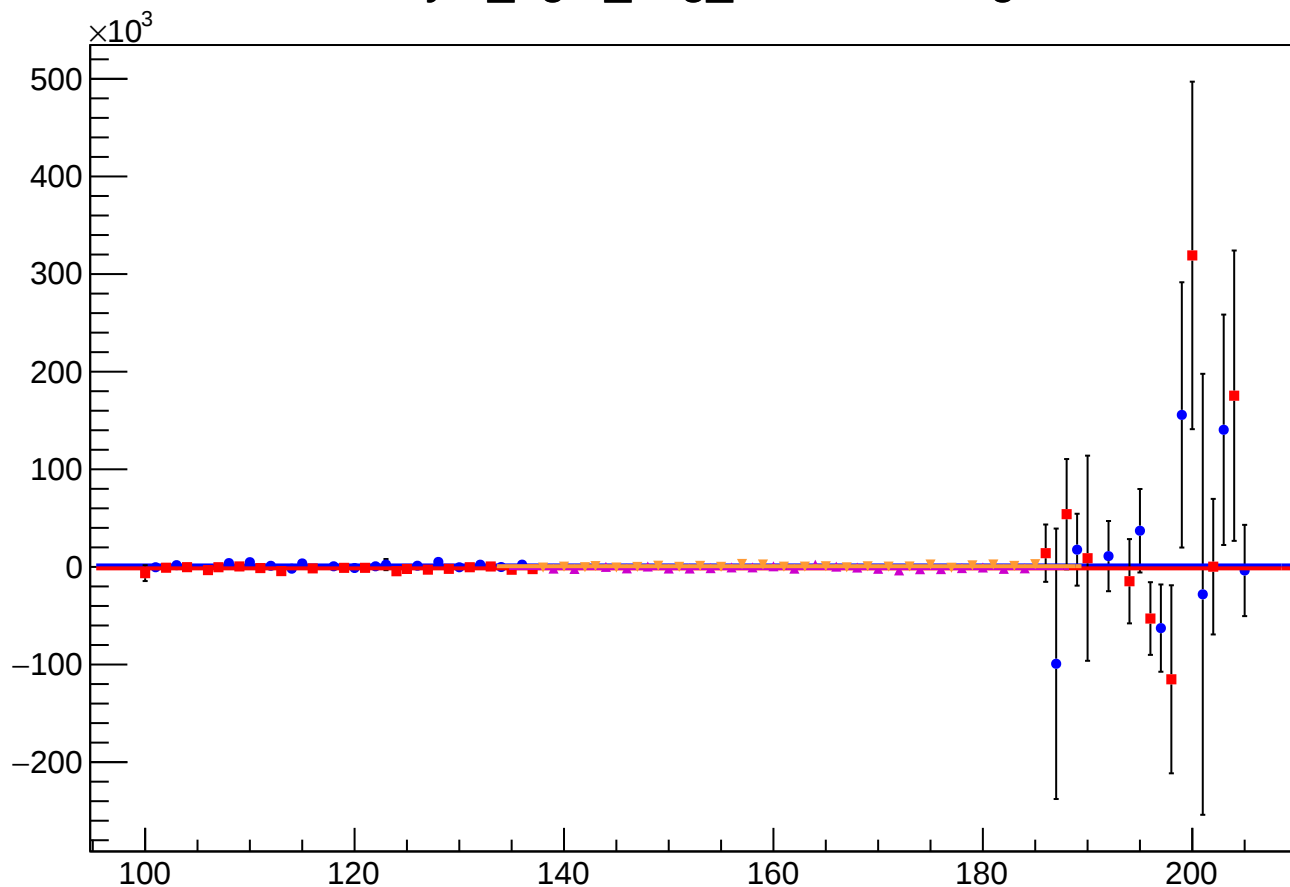
Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

+ sign 798.435+/-0.110 χ^2/NDF : 3219229.2/50

All: 801.444+/-0.079 χ^2/NDF : 6889157.4/102

- sign 804.552+/-0.112 χ^2/NDF : 3668419.0/51

asym_right_avg_mean vs Slug



Right In: 1500.685 $\pm$ 402.562 χ^2 /NDF: 23.4/25

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

Right Out: -1487.999 $\pm$ 400.615 χ^2 /NDF: 21.3/27

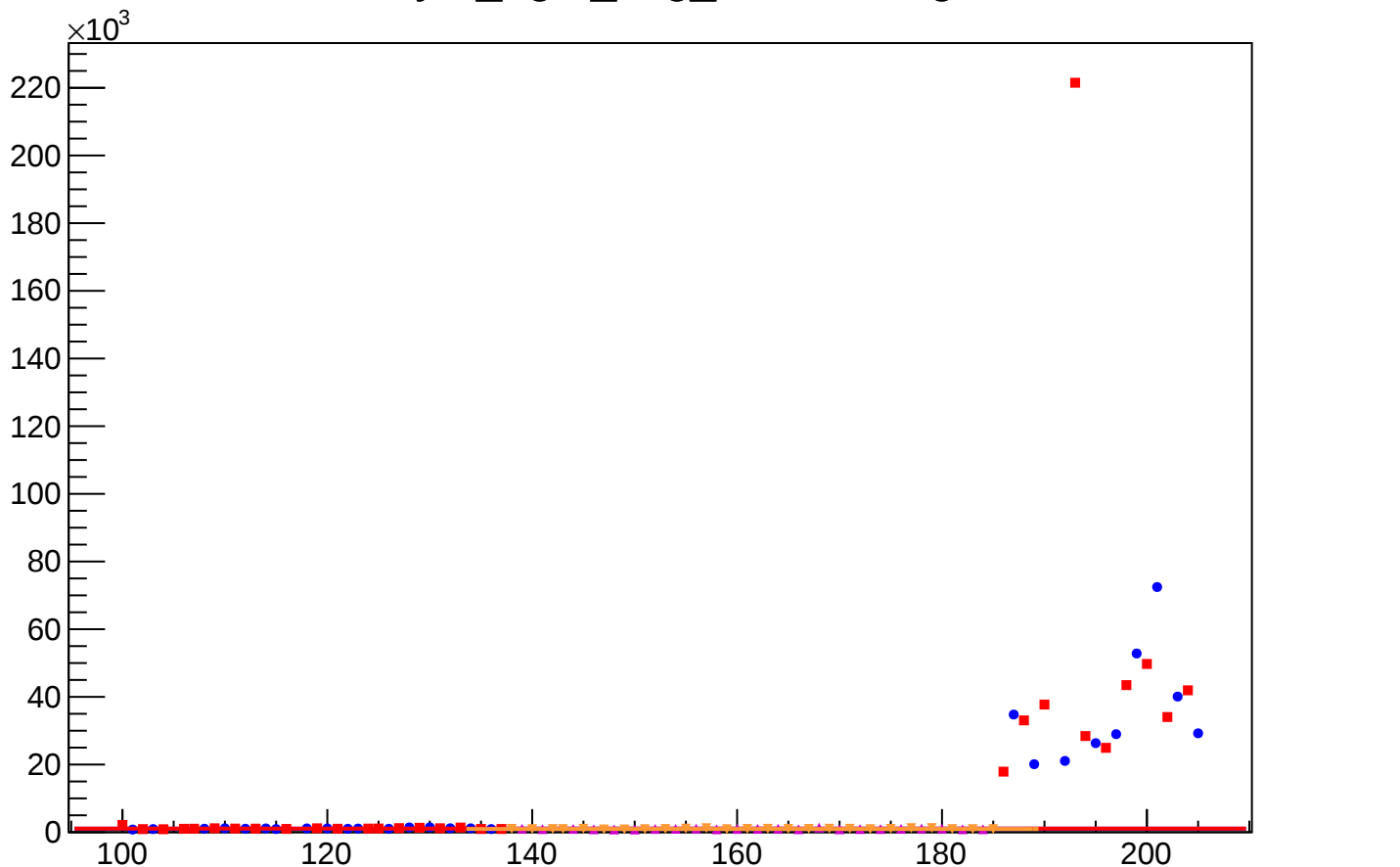
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 921.451 $\pm$ 196.760 χ^2 /NDF: 47.6/50

All: -131.824 $\pm$ 140.091 χ^2 /NDF: 153.0/101

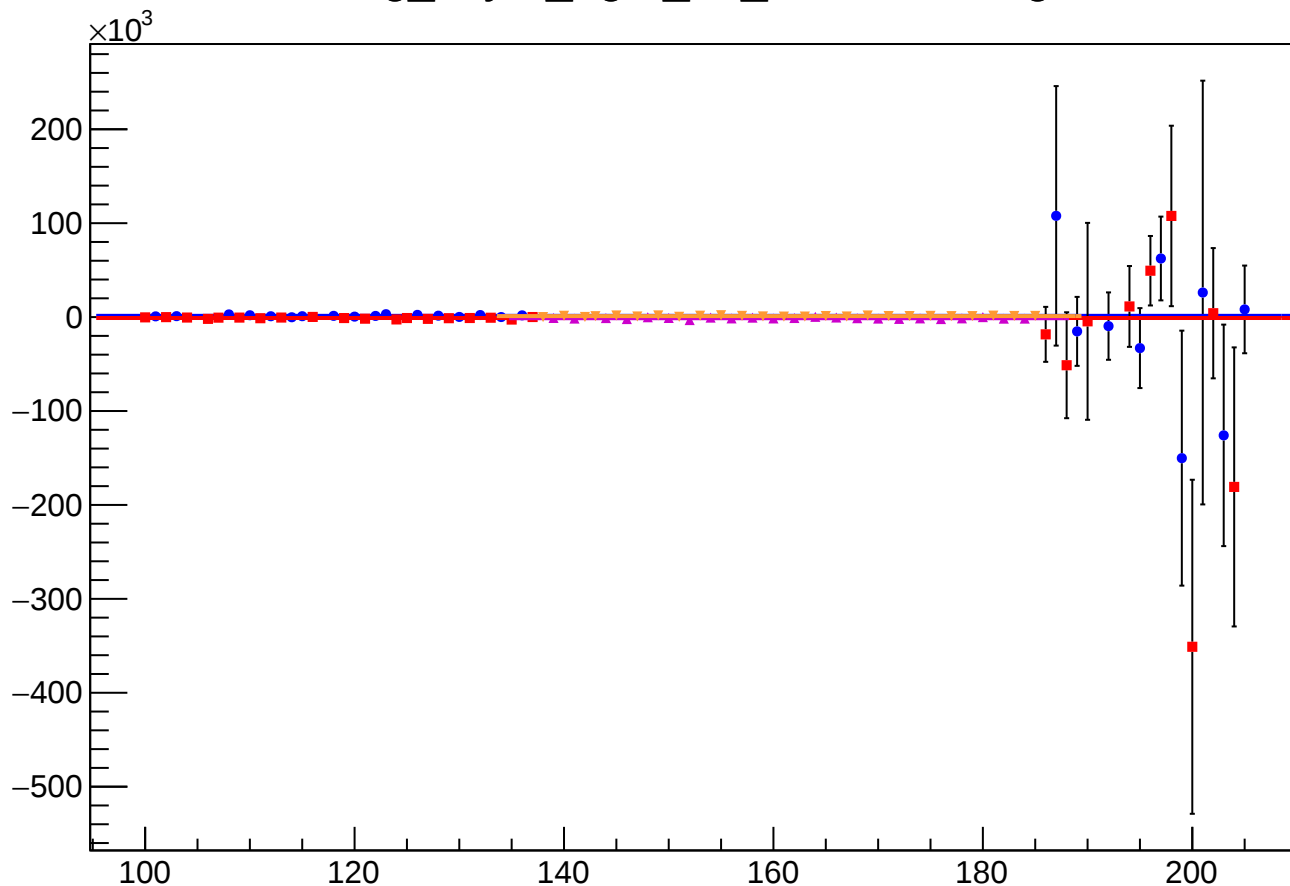
- sign -1214.716 $\pm$ 199.507 χ^2 /NDF: 47.3/50

asym_right_avg_rms vs Slug



Right In: 1035.064 $\pm$ 0.285 χ^2 /NDF: 4658930.6/25 + sign 979.649 $\pm$ 0.139 χ^2 /NDF: 5071662.5/50
 Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF:362937.6/24 All: 981.539 $\pm$ 0.099 χ^2 /NDF: 10388691.3/10
 Right Out: 1070.926 $\pm$ 0.283 χ^2 /NDF: 4746545.7/28 - sign 983.482 $\pm$ 0.141 χ^2 /NDF: 5316654.6/51
 Left In: 954.643 $\pm$ 0.163 χ^2 /NDF:443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1344.578+/-218.838 χ^2/NDF : 17.9/25

Left Out: 1087.627+/-129.821 χ^2/NDF :14.9/24

Right Out: -965.412+/-208.599 χ^2/NDF : 21.9/27

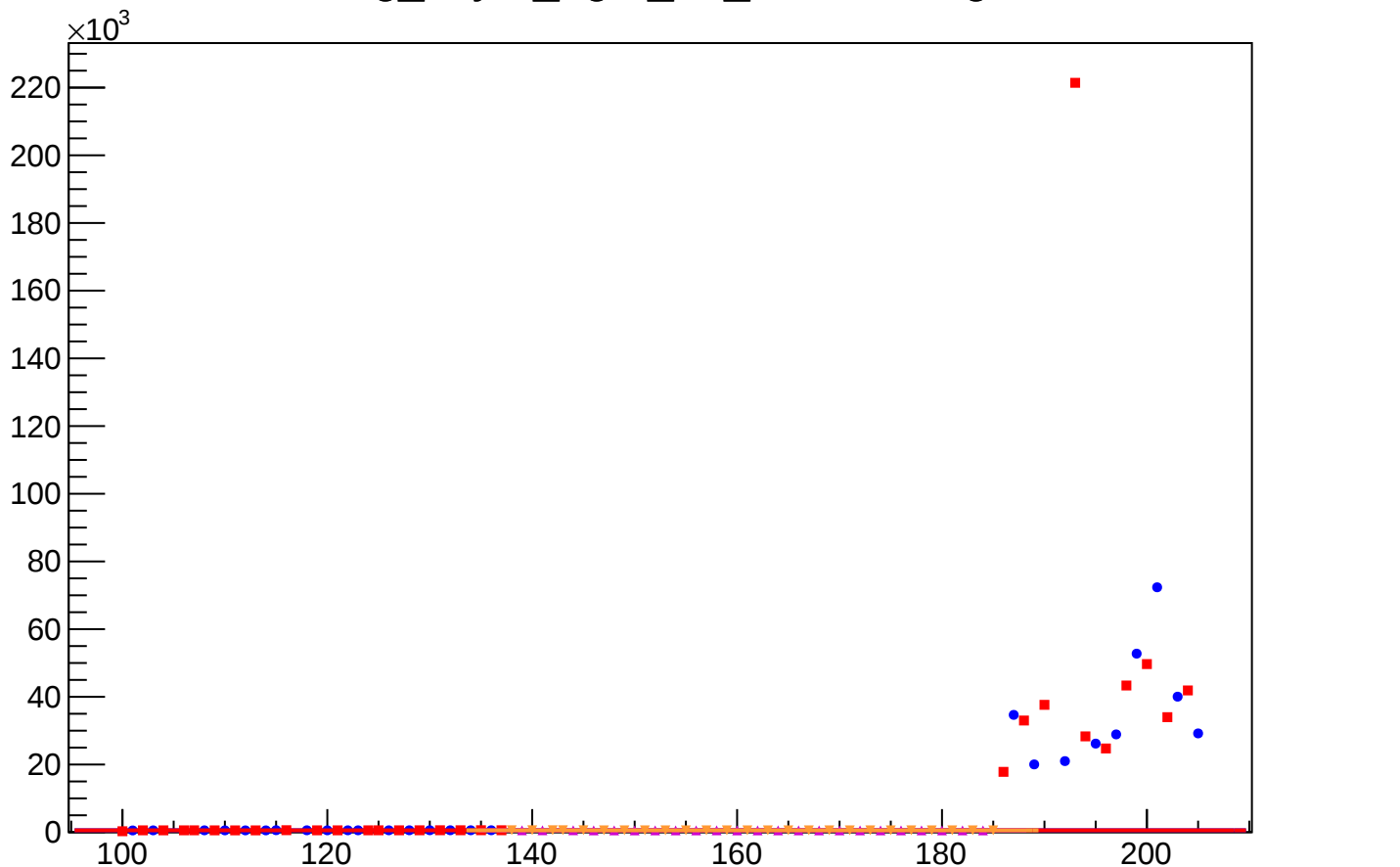
Left In: -1189.481+/-133.313 χ^2/NDF :32.2/22

+ sign 1154.514+/-111.653 χ^2/NDF : 33.8/50

All: 21.920+/-79.190 χ^2/NDF : 295.8/101

- sign -1124.503+/-112.332 χ^2/NDF : 54.9/50

reg_asym_right_dd_rms vs Slug



Right In: 568.112 $\pm$ 0.155 χ^2 /NDF: 4482262.4/25

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

Right Out: 558.075 $\pm$ 0.148 χ^2 /NDF: 4807051.5/28

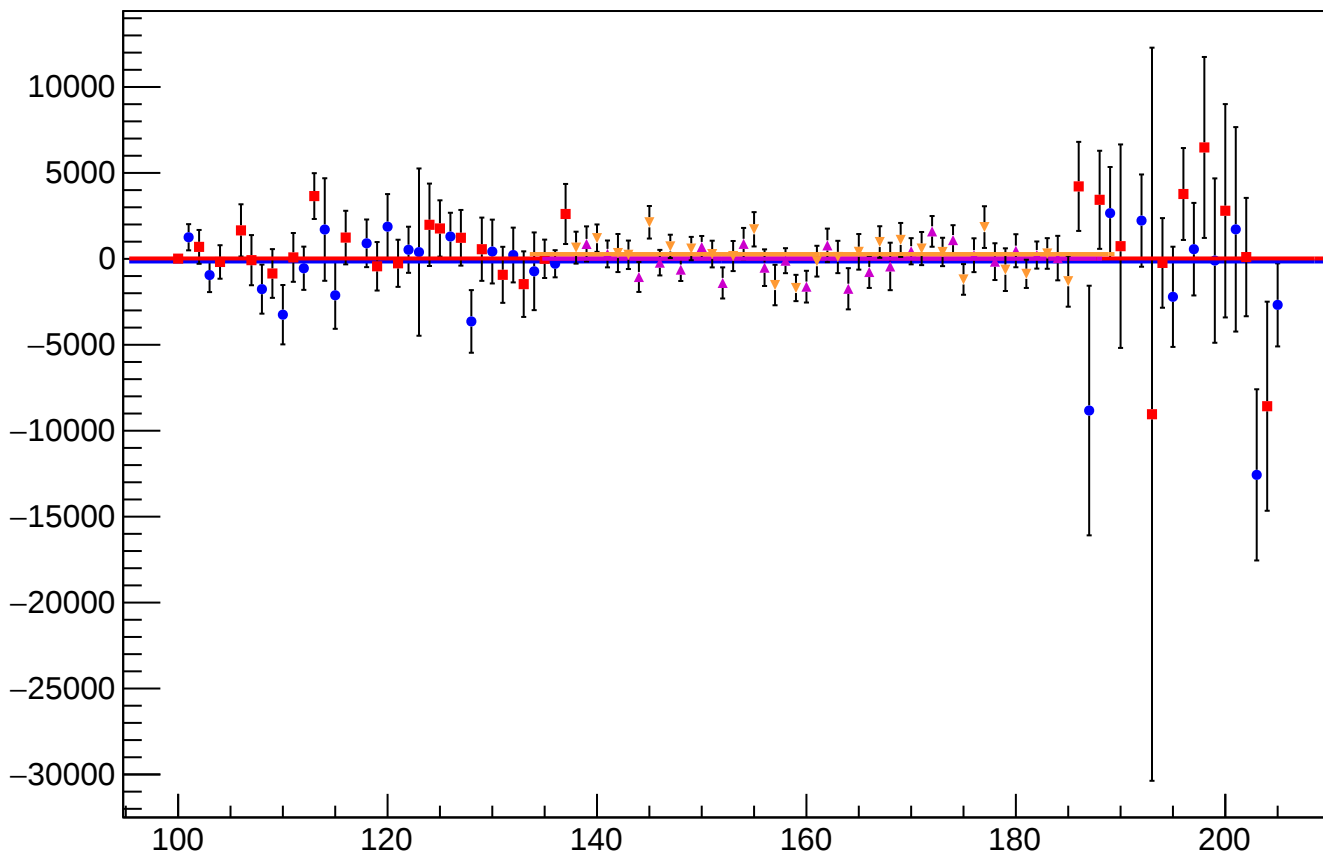
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 560.706 $\pm$ 0.079 χ^2 /NDF: 4500144.9/50

All: 559.229 $\pm$ 0.056 χ^2 /NDF: 9319184.0/102

- sign 557.735 $\pm$ 0.079 χ^2 /NDF: 4818335.7/51

asym_right_dd_correction_mean vs Slug



Right In: -152.665+/-314.507 χ^2/NDF : 28.3/25

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

Right Out: 22.523+/-38.933 χ^2/NDF : 25.8/28

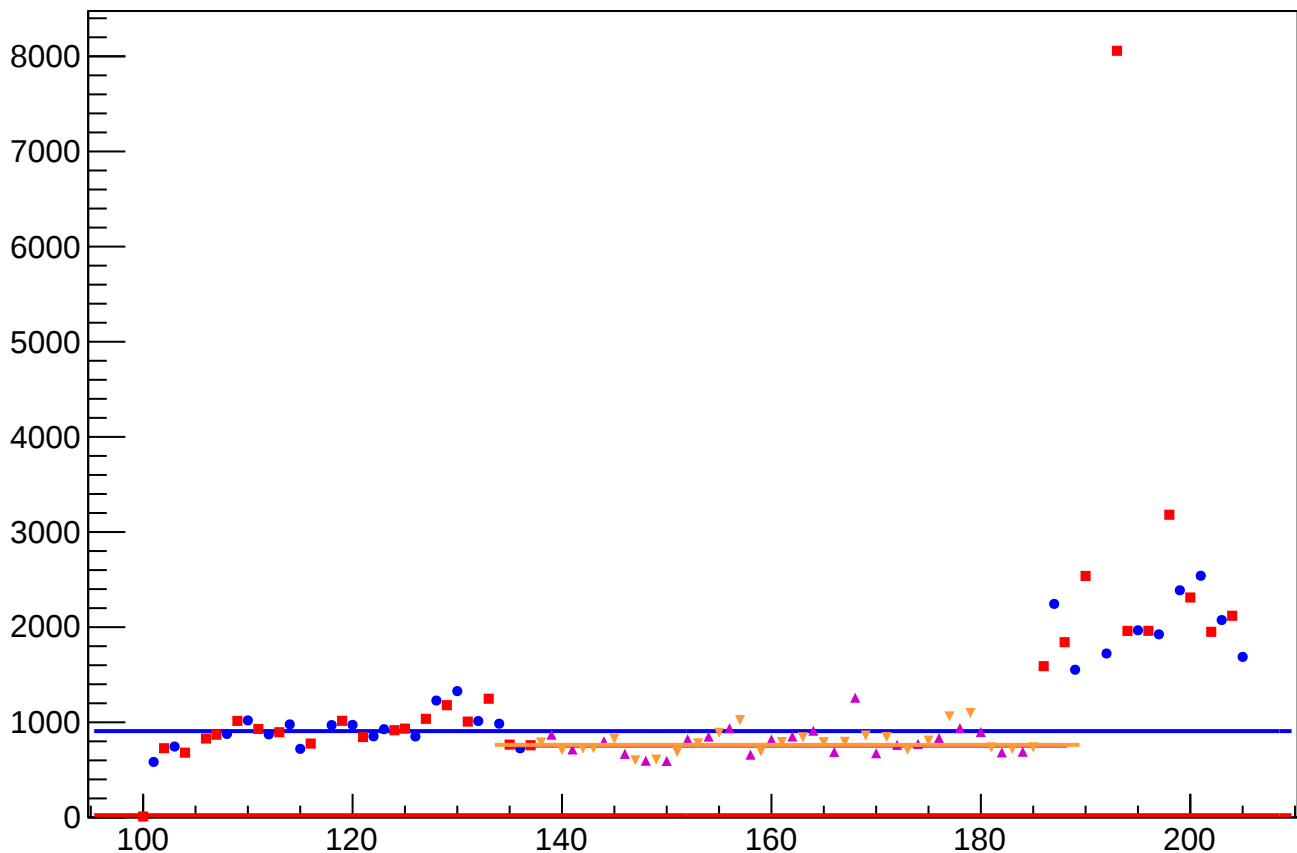
Left In: 7.306+/-183.473 χ^2/NDF : 20.1/22

+ sign 173.874+/-156.536 χ^2/NDF : 56.6/50

All: 30.362+/-37.005 χ^2/NDF : 103.4/102

- sign 21.868+/-38.085 χ^2/NDF : 45.9/51

asym_right_dd_correction_rms vs Slug



Right In: 907.506 $\pm$ 0.222 χ^2 /NDF: 2317730.1/25

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

Right Out: 24.039 $\pm$ 0.028 χ^2 /NDF: 19683170.7/28

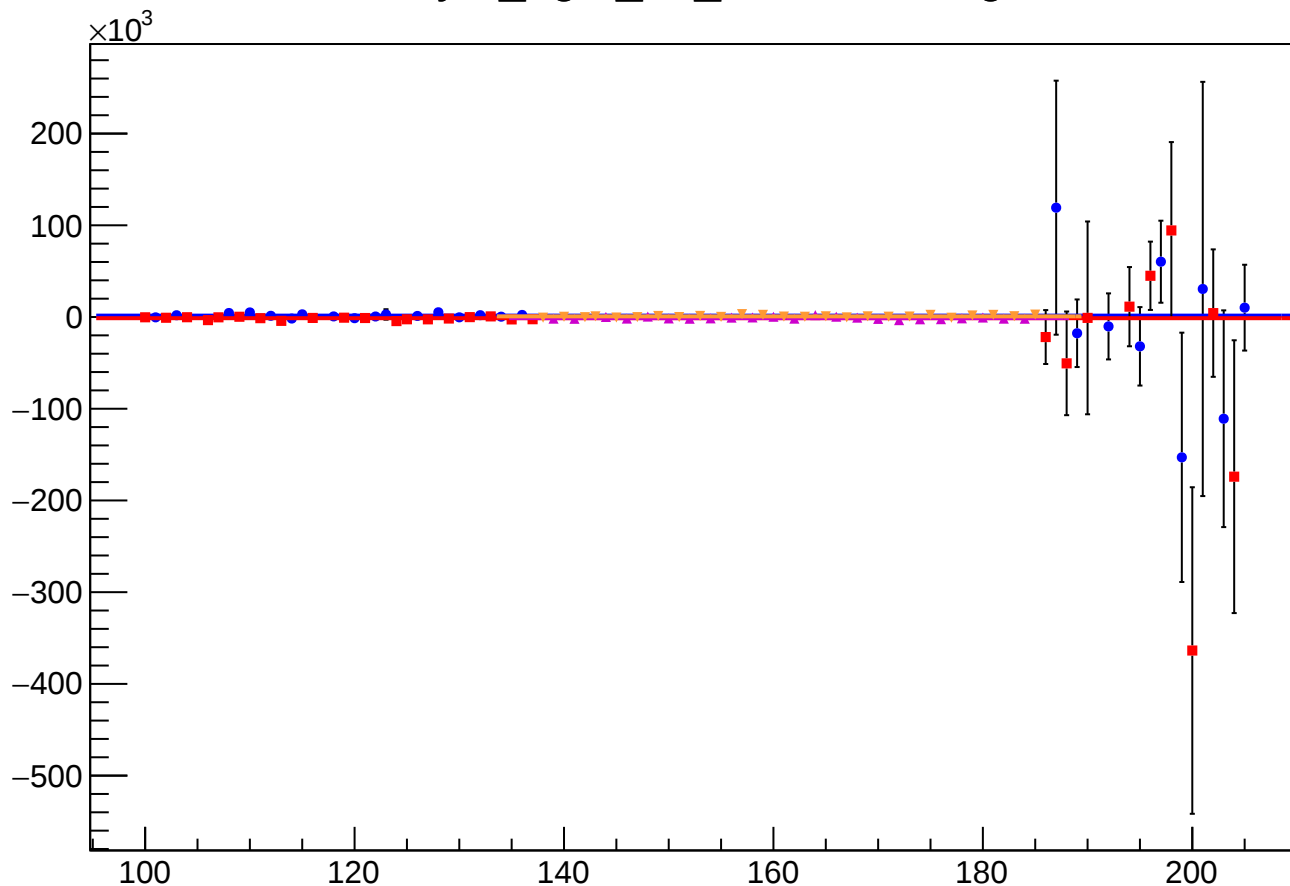
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 799.028 $\pm$ 0.111 χ^2 /NDF: 3387741.0/50

All: 97.064 $\pm$ 0.026 χ^2 /NDF: 96936566.5/102

- sign 55.512 $\pm$ 0.027 χ^2 /NDF: 50948801.1/51

asym_right_dd_mean vs Slug



Right In: 1516.587 ± 402.785 χ^2/NDF : 23.5/25

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

Right Out: -1288.513 ± 376.593 χ^2/NDF : 21.7/27

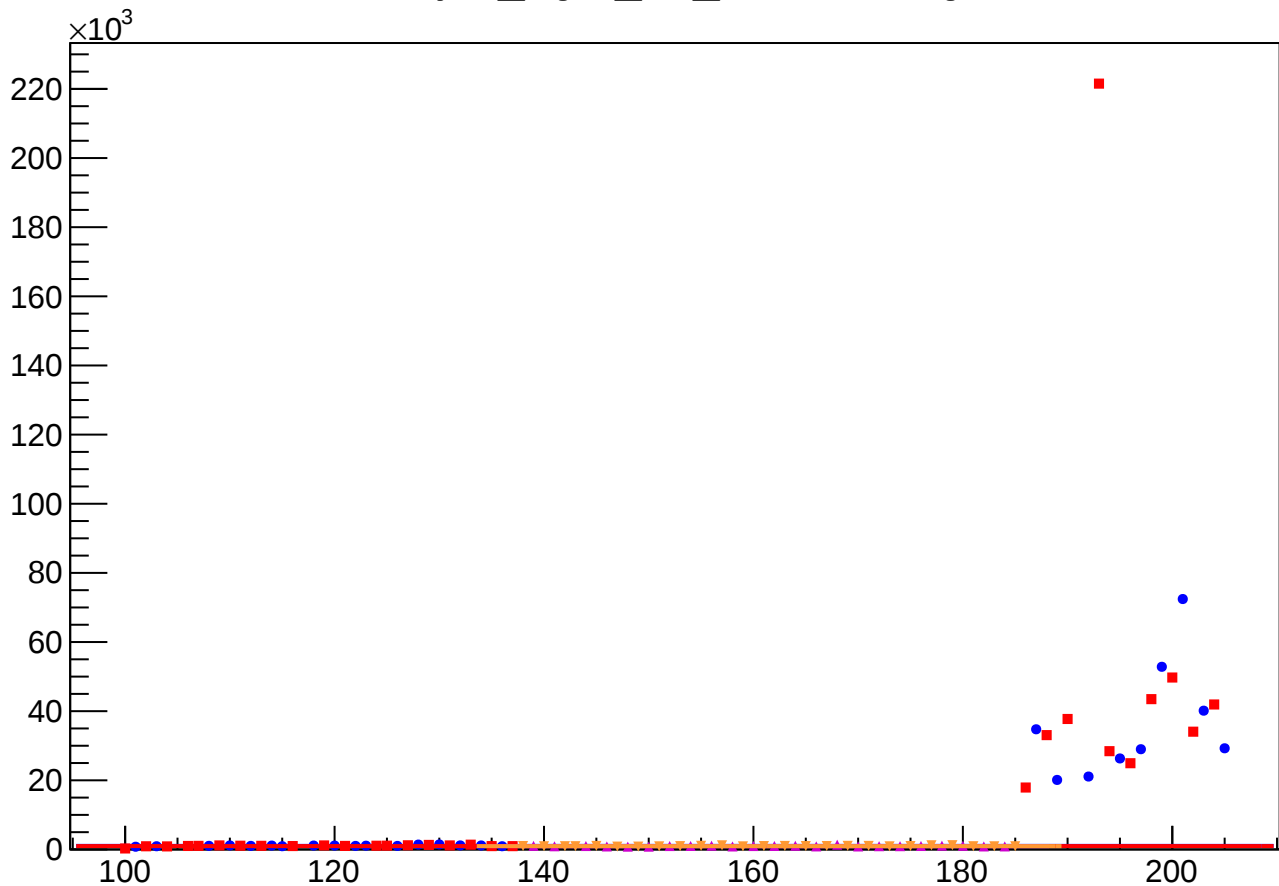
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 927.670 ± 196.867 χ^2/NDF : 46.5/50

All: -141.952 ± 139.051 χ^2/NDF : 151.5/101

- sign -1206.820 ± 196.429 χ^2/NDF : 46.0/50

asym_right_dd_rms vs Slug



Right In: 1035.644+/-0.285 χ^2/NDF : 4659516.1/25

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

Right Out: 975.697+/-0.266 χ^2/NDF : 5613462.6/28

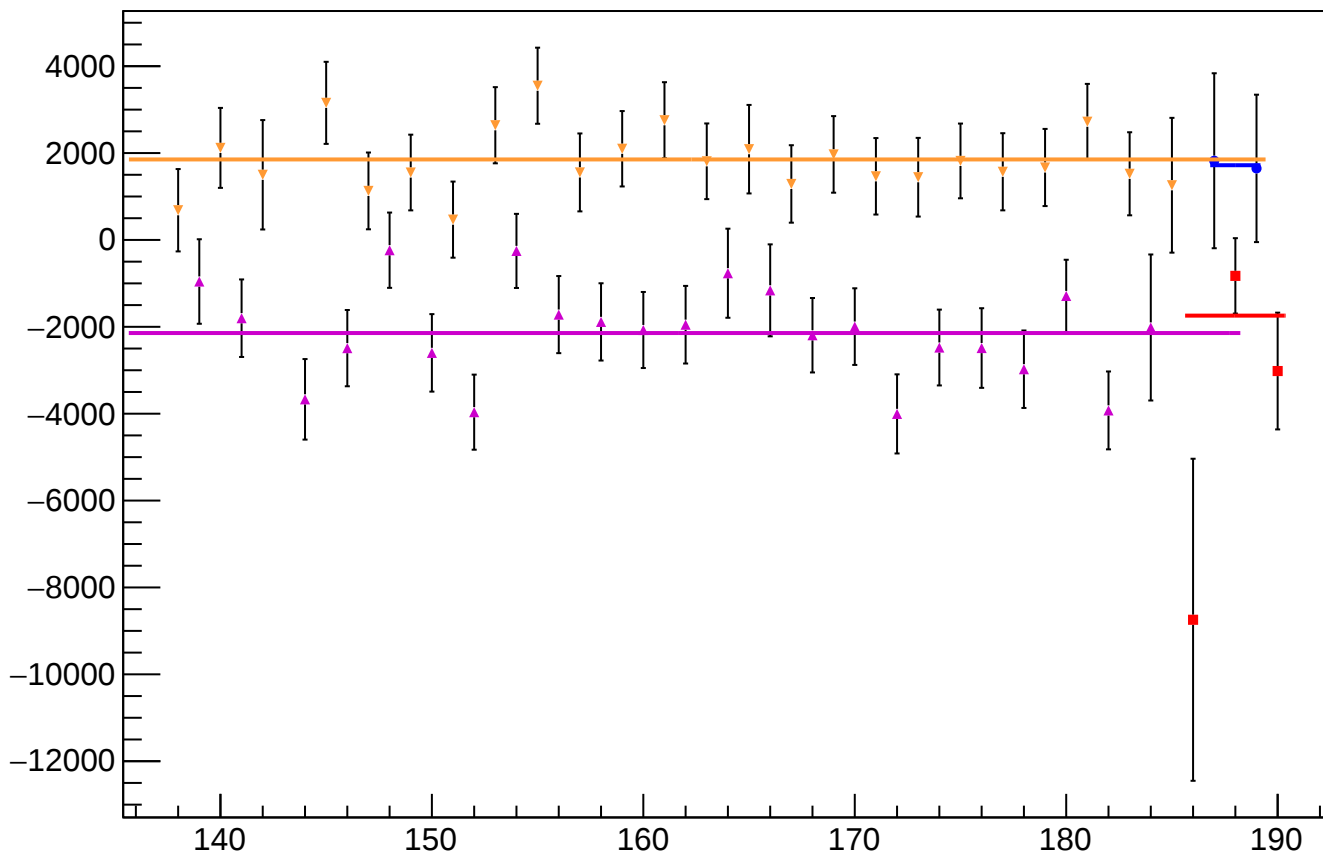
Left In: 955.331+/-0.163 χ^2/NDF : 443068.5/22

+ sign 980.184+/-0.139 χ^2/NDF : 5072173.8/50

All: 970.506+/-0.098 χ^2/NDF : 11142608.0/10

- sign 960.872+/-0.139 χ^2/NDF : 6060789.3/51

cor_asym_us_avg_mean vs Slug



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

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

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

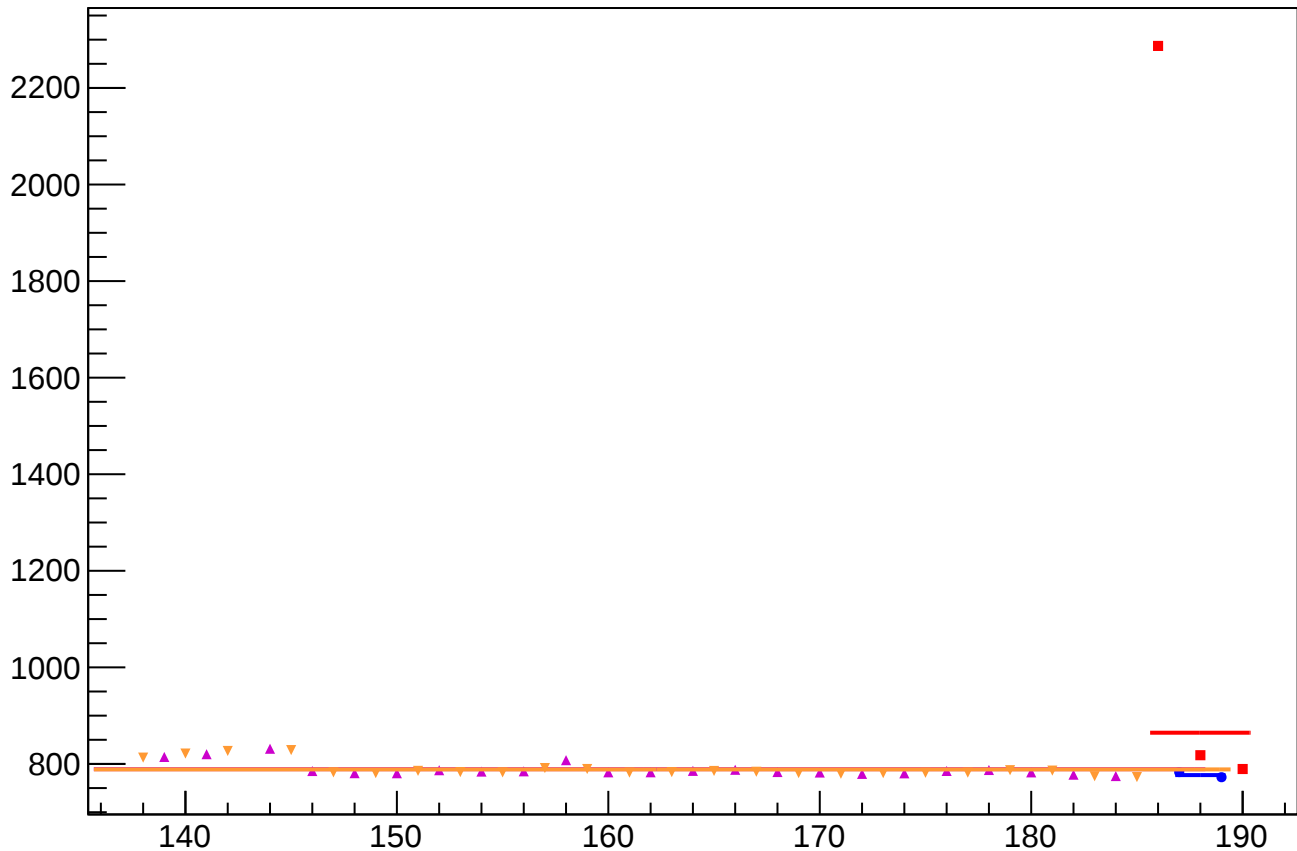
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

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

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

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

cor_asym_us_avg_rms vs Slug



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

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

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

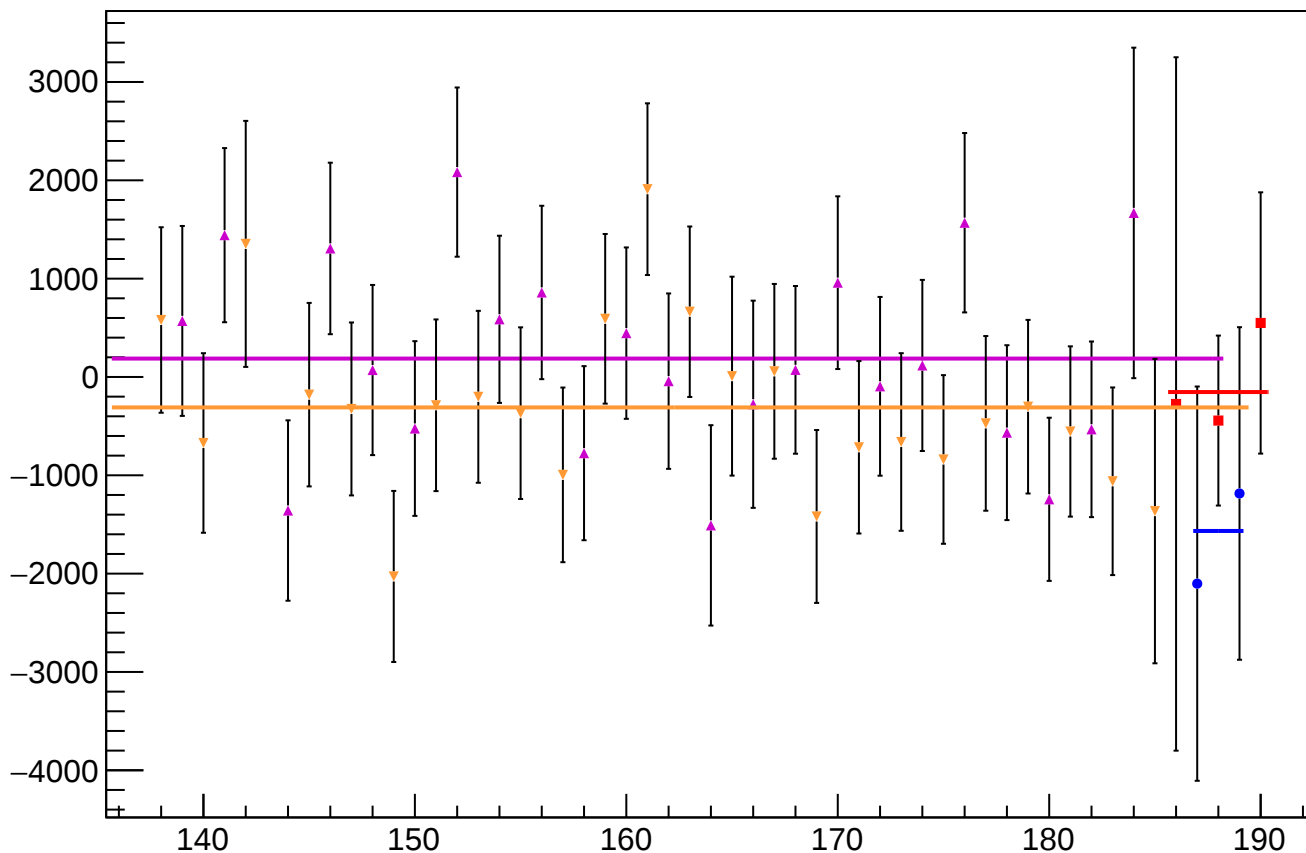
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

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

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

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

cor_asym_us_dd_mean vs Slug



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

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

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

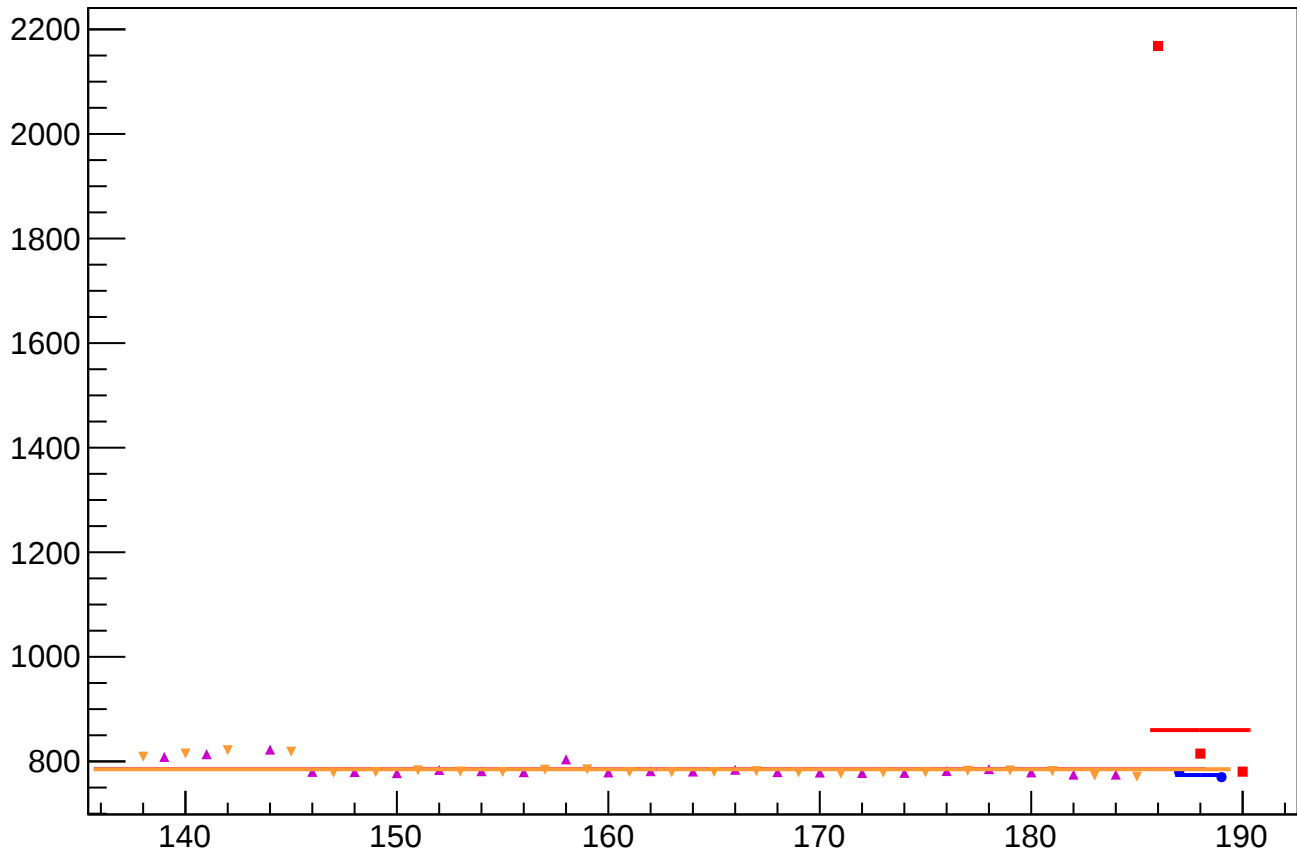
Left In: 187.105 ± 189.265 $\chi^2/\text{NDF}: 25.6/22$

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

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

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

cor_asym_us_dd_rms vs Slug



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

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

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

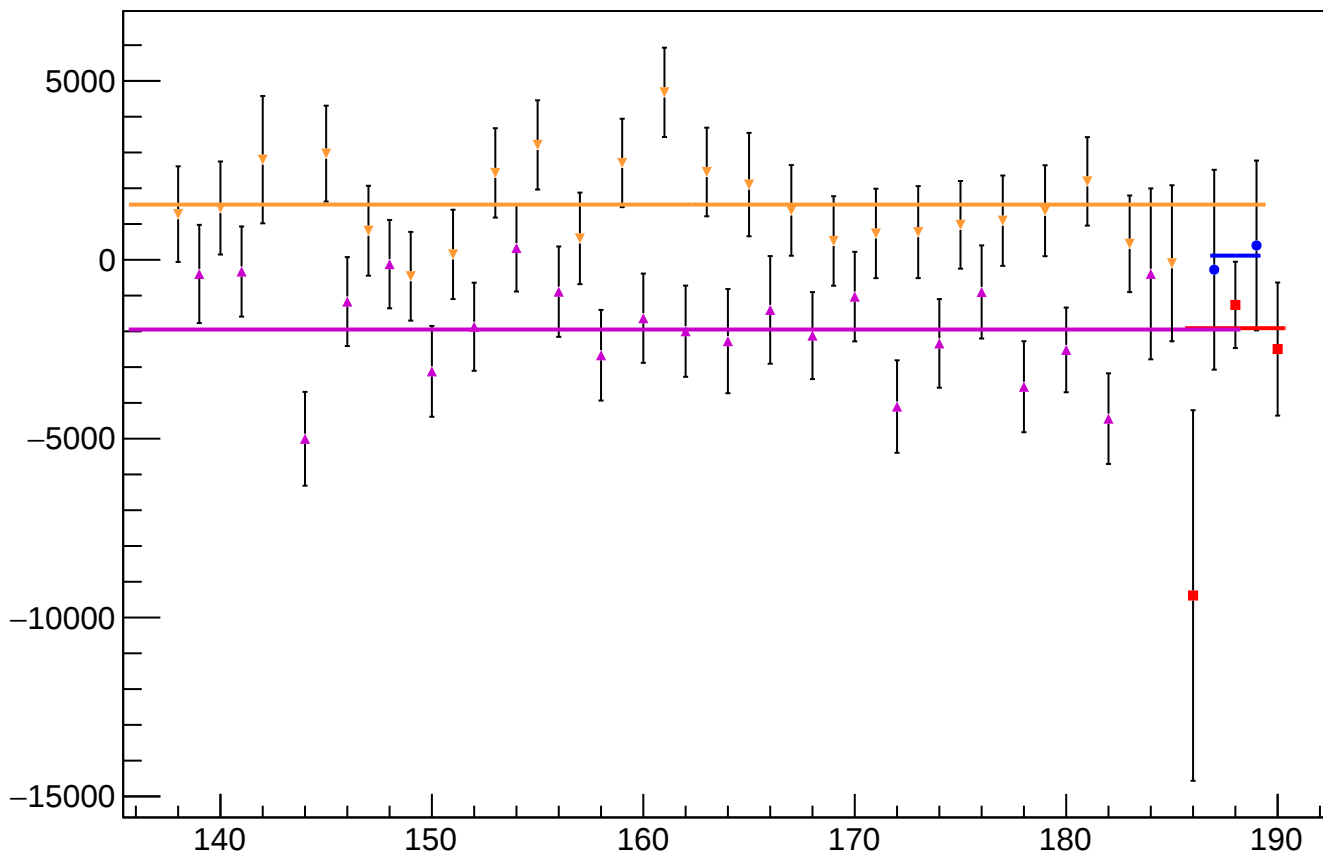
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

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

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

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

cor_asym_usl_mean vs Slug



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

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

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

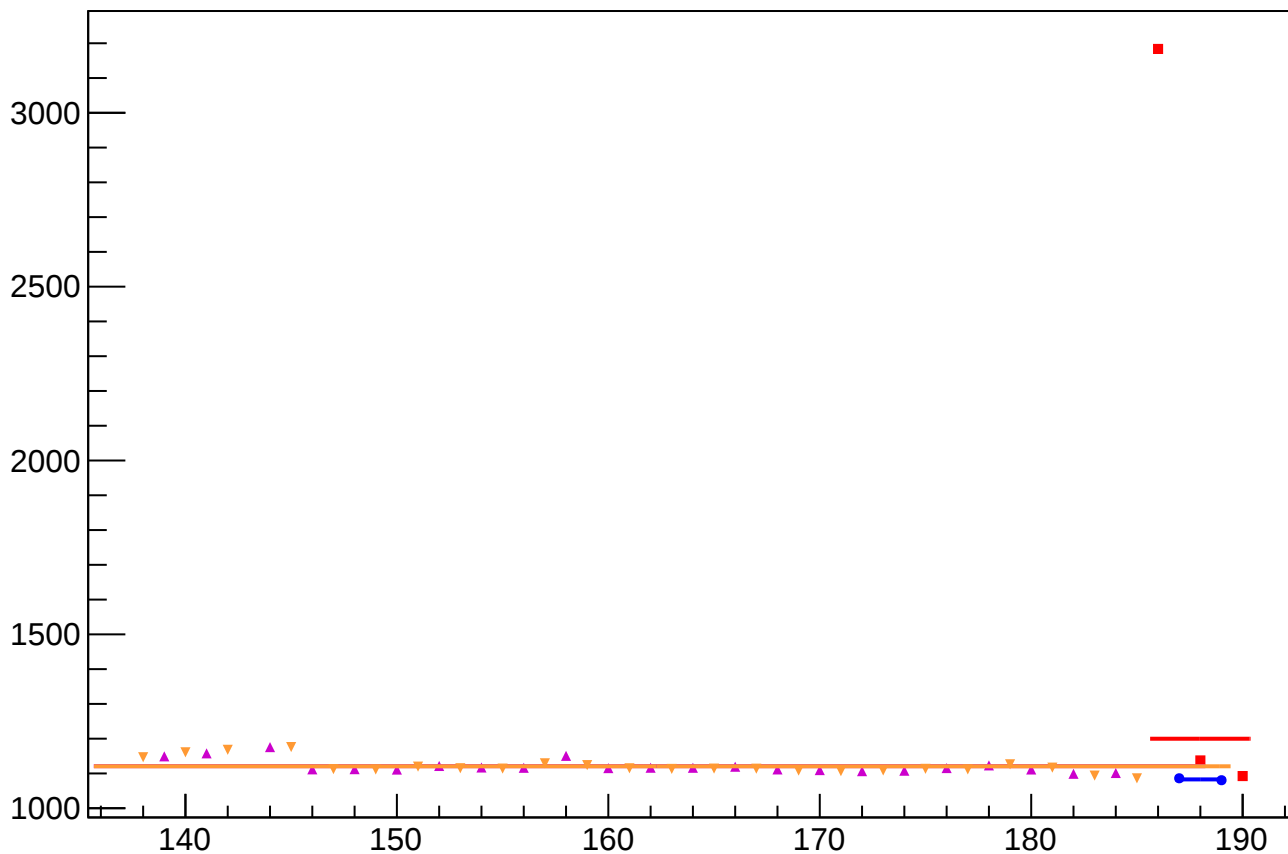
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



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

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

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

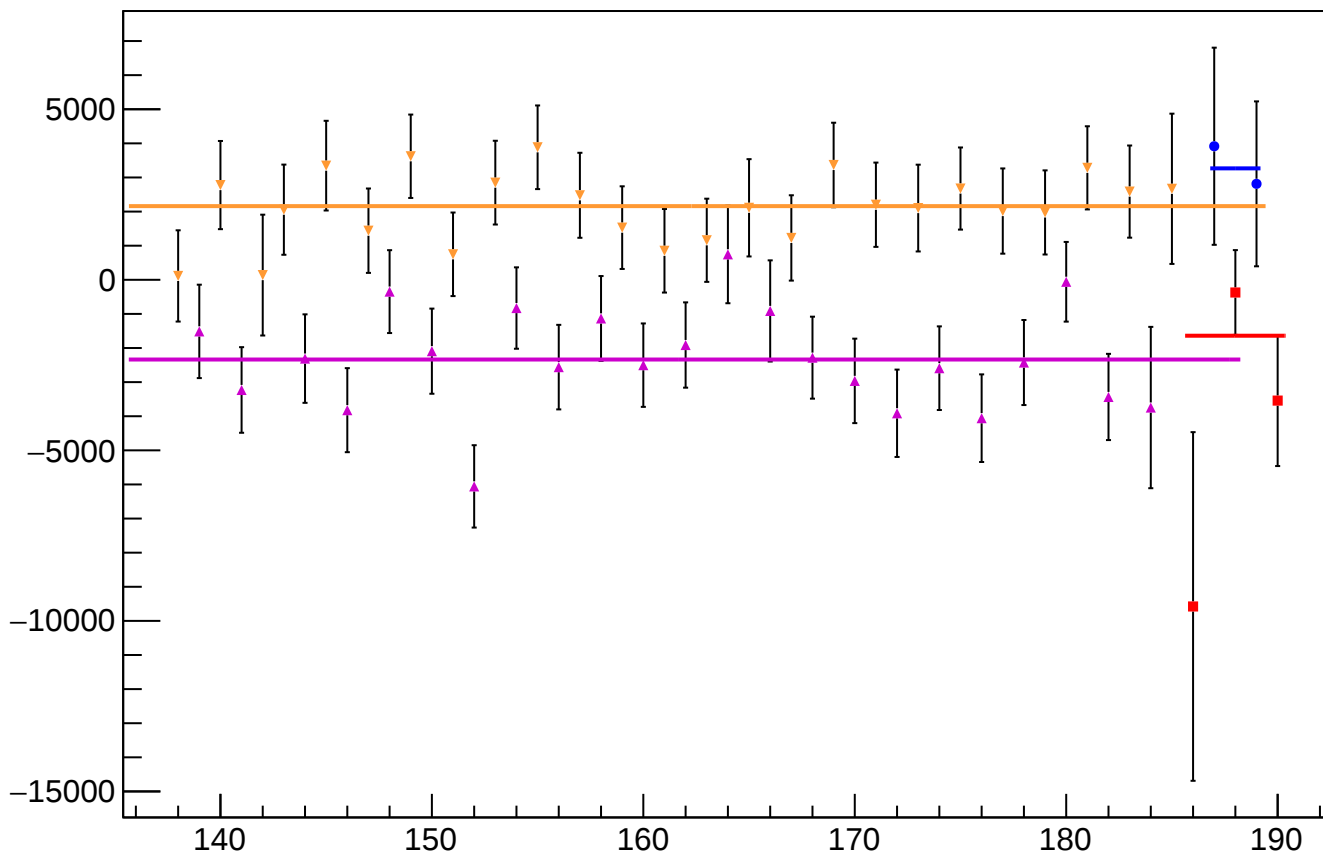
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

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

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

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

cor_asym_usr_mean vs Slug



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

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

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

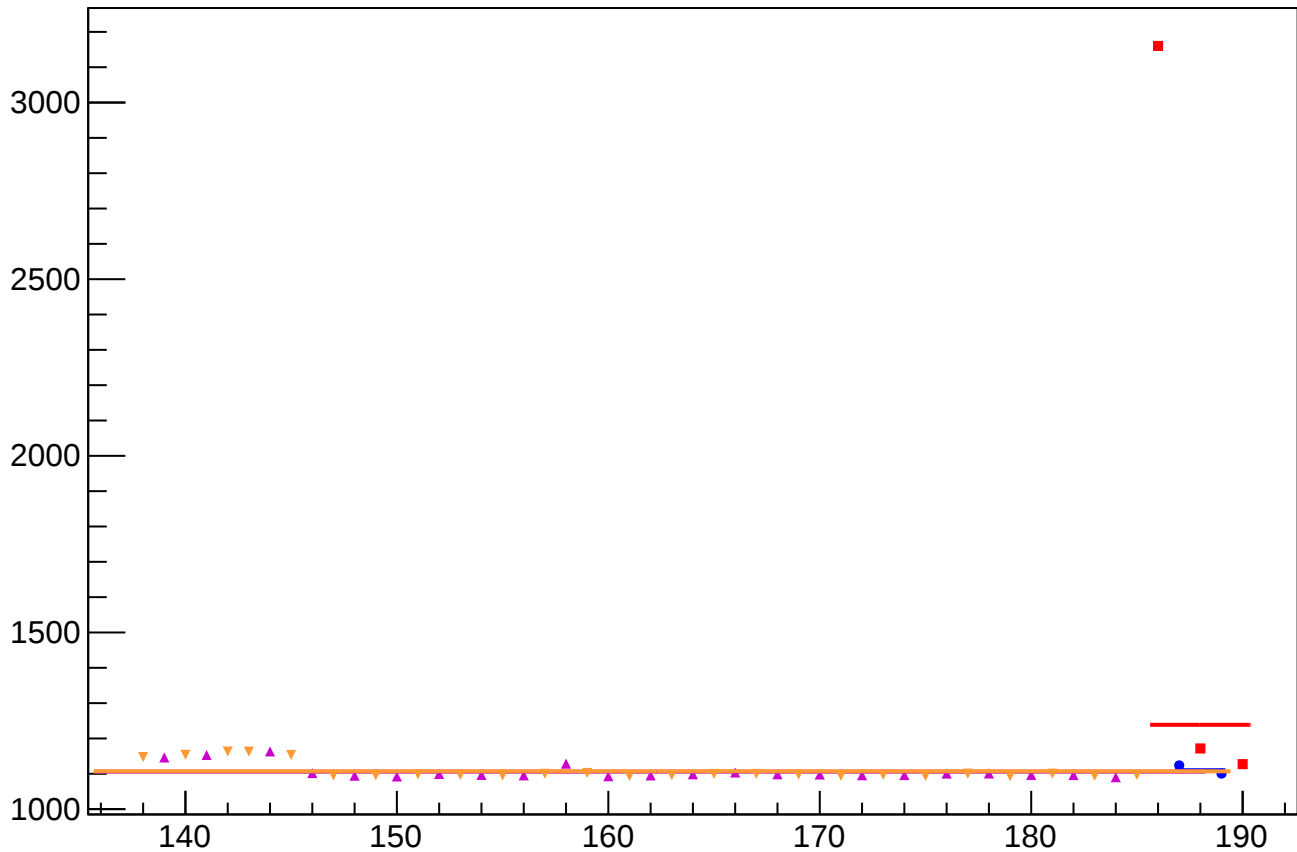
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

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

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

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

cor_asym_usr_rms vs Slug



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

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

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

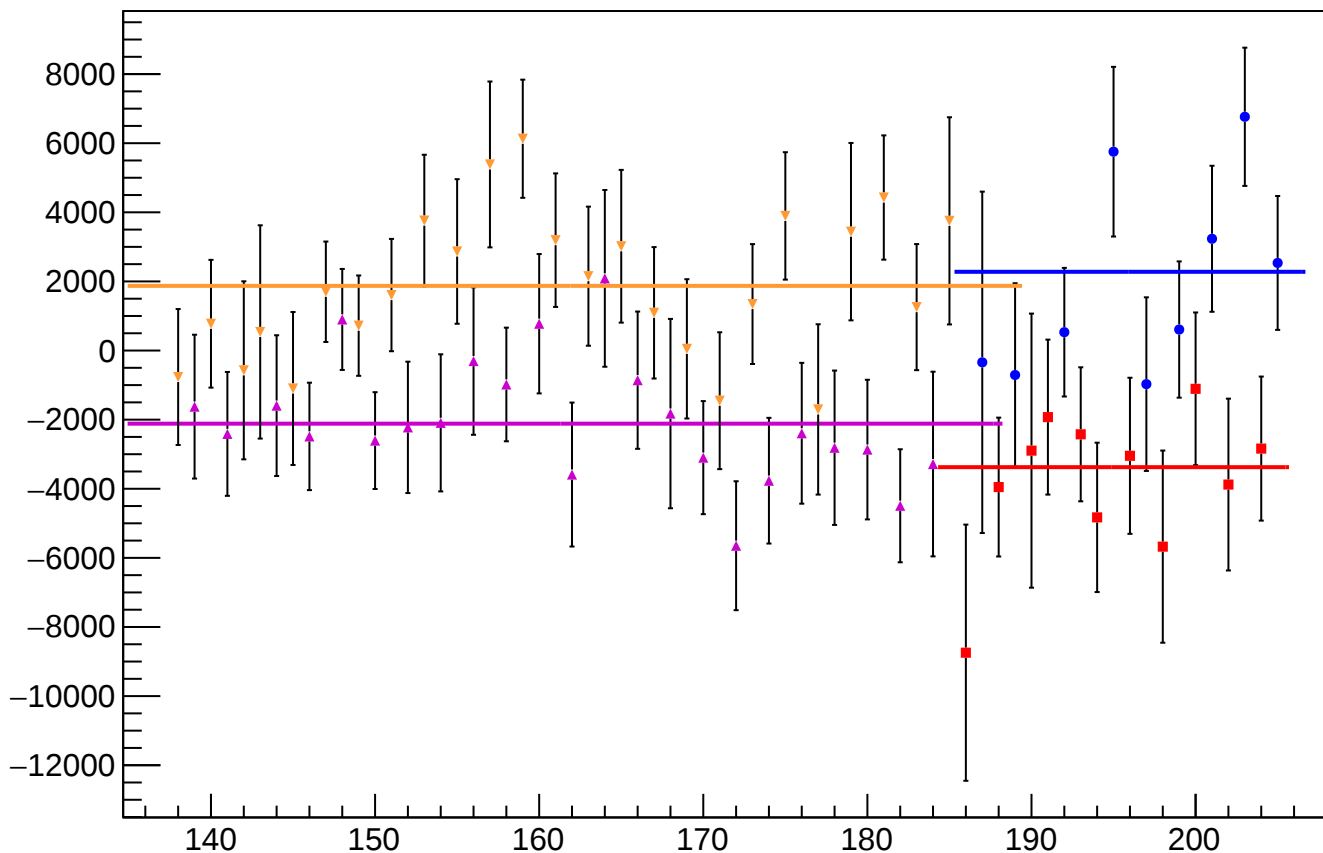
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

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

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

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

asym_us_agg_avg_mean vs Slug



Right In: 2278.760 $\pm$ 746.672 χ^2 /NDF: 12.1/8

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

Right Out: -3374.768 $\pm$ 709.718 χ^2 /NDF: 5.2/10

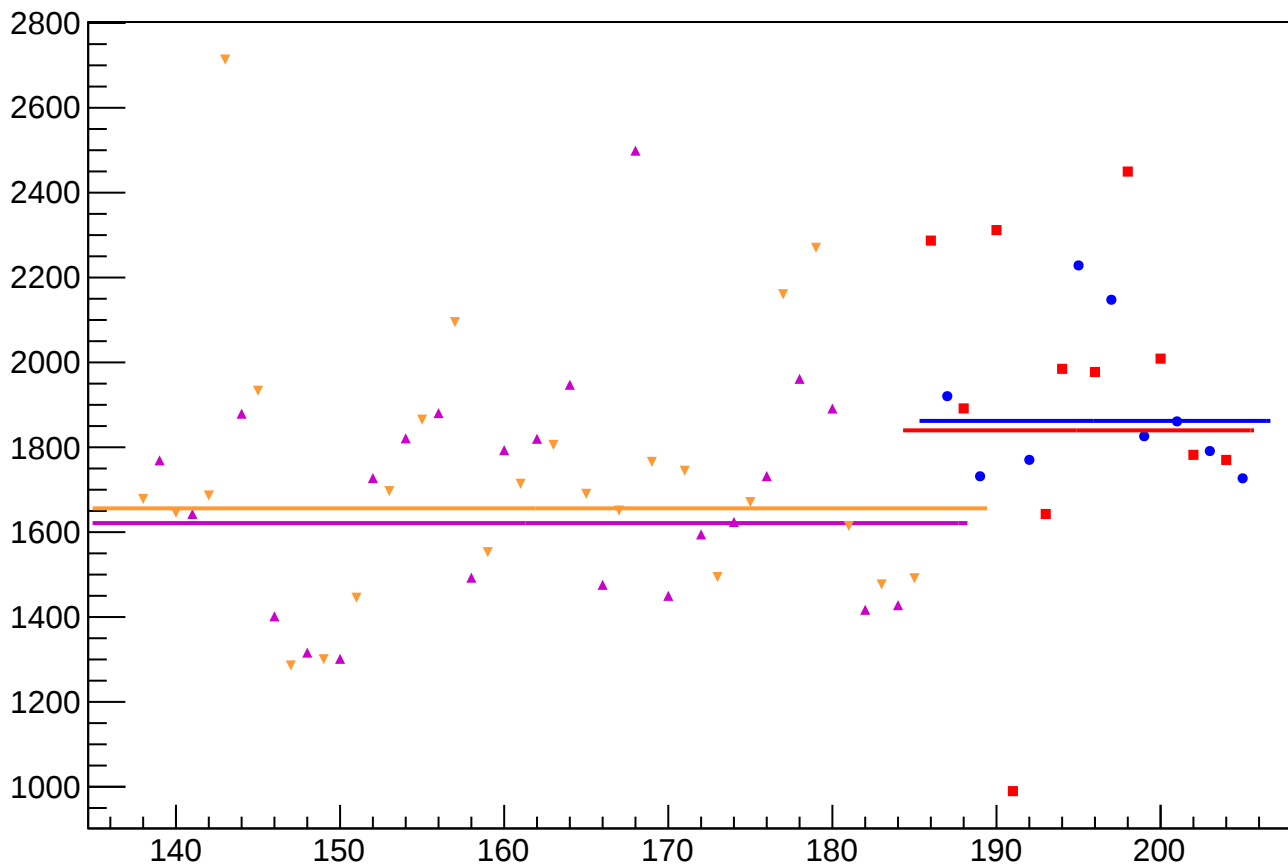
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1959.493 $\pm$ 346.857 χ^2 /NDF: 38.4/33

All: -245.301 $\pm$ 244.179 χ^2 /NDF: 144.9/67

- sign -2411.481 $\pm$ 343.806 χ^2 /NDF: 26.4/33

asym_us_agg_avg_rms vs Slug



Right In: 1862.189 $\pm$ 0.528 χ^2 /NDF: 93310.3/8

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

Right Out: 1839.868 $\pm$ 0.502 χ^2 /NDF: 494518.7/10

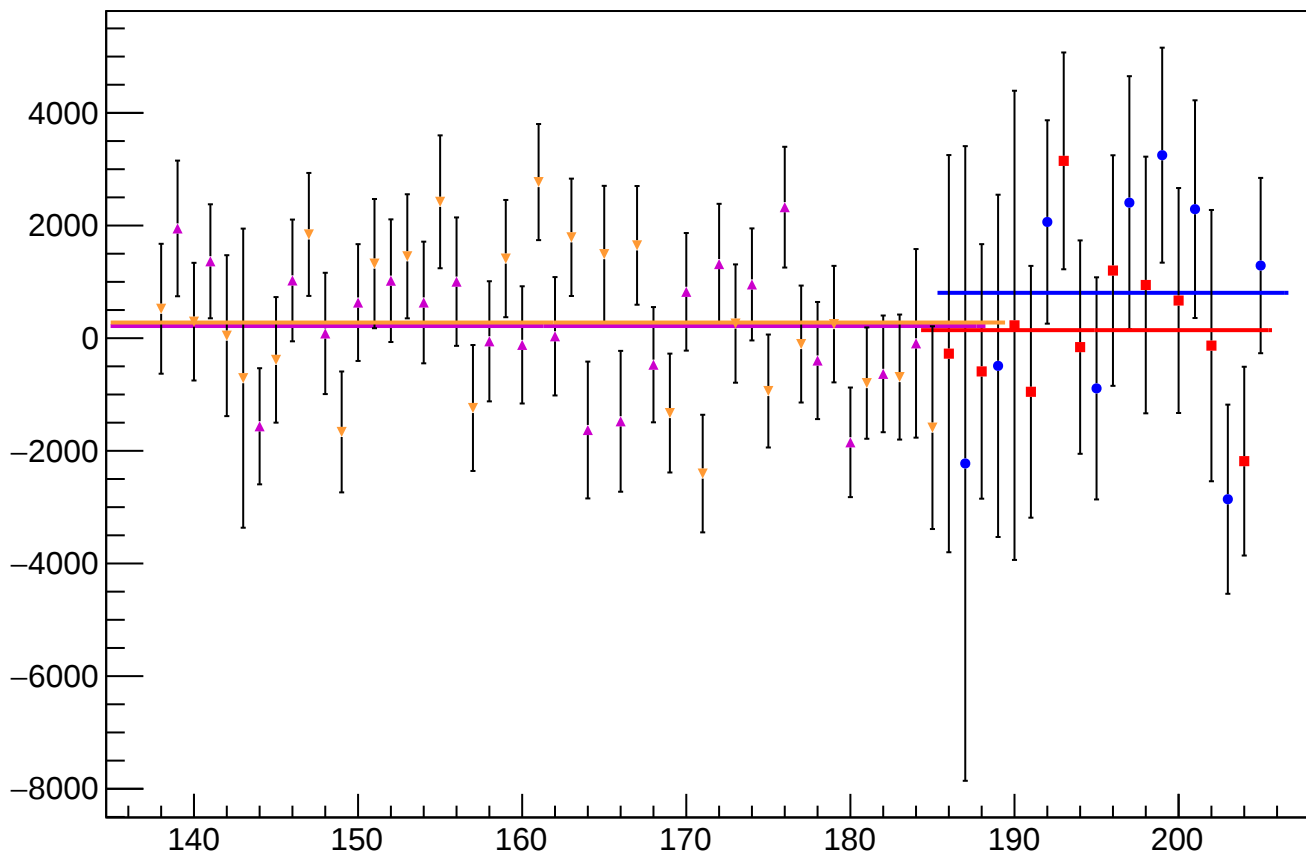
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1700.588 $\pm$ 0.245 χ^2 /NDF: 1123345.5/33

All: 1686.511 $\pm$ 0.173 χ^2 /NDF: 2544720.7/67

- sign 1672.680 $\pm$ 0.243 χ^2 /NDF: 1414844.3/33

asym_us_agg_dd_mean vs Slug



Right In: 805.475 $\pm$ 672.414 χ^2 /NDF: 9.3/8

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

Right Out: 142.632 $\pm$ 660.352 χ^2 /NDF: 5.2/10

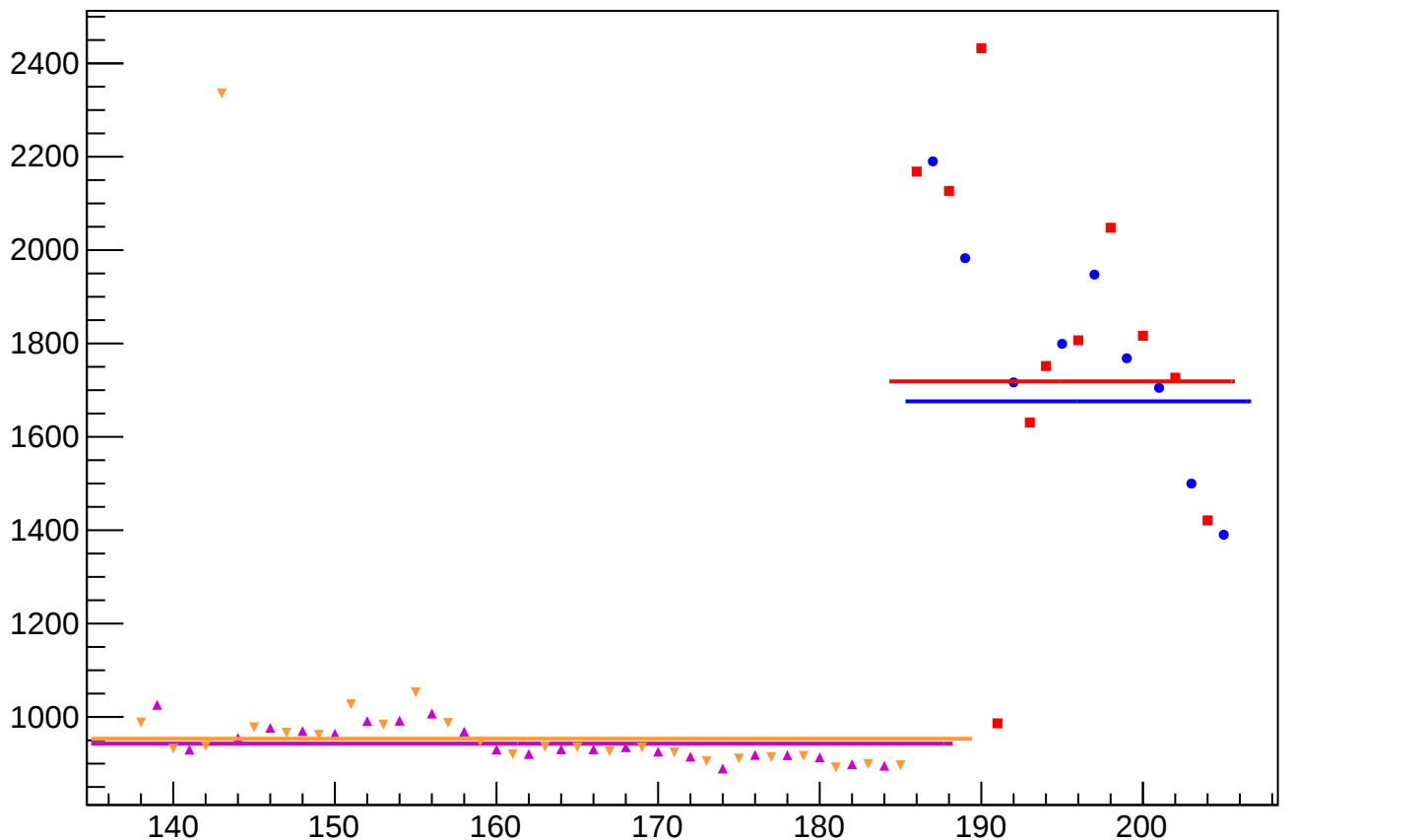
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 330.593 $\pm$ 212.160 χ^2 /NDF: 48.2/33

All: 269.897 $\pm$ 150.486 χ^2 /NDF: 78.1/67

- sign 208.440 $\pm$ 213.485 χ^2 /NDF: 29.7/33

asym_us_agg_dd_rms vs Slug



Right In: 1676.054+/-0.475 χ^2/NDF : 169633.5/8

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

Right Out: 1718.853+/-0.467 χ^2/NDF : 489356.0/10

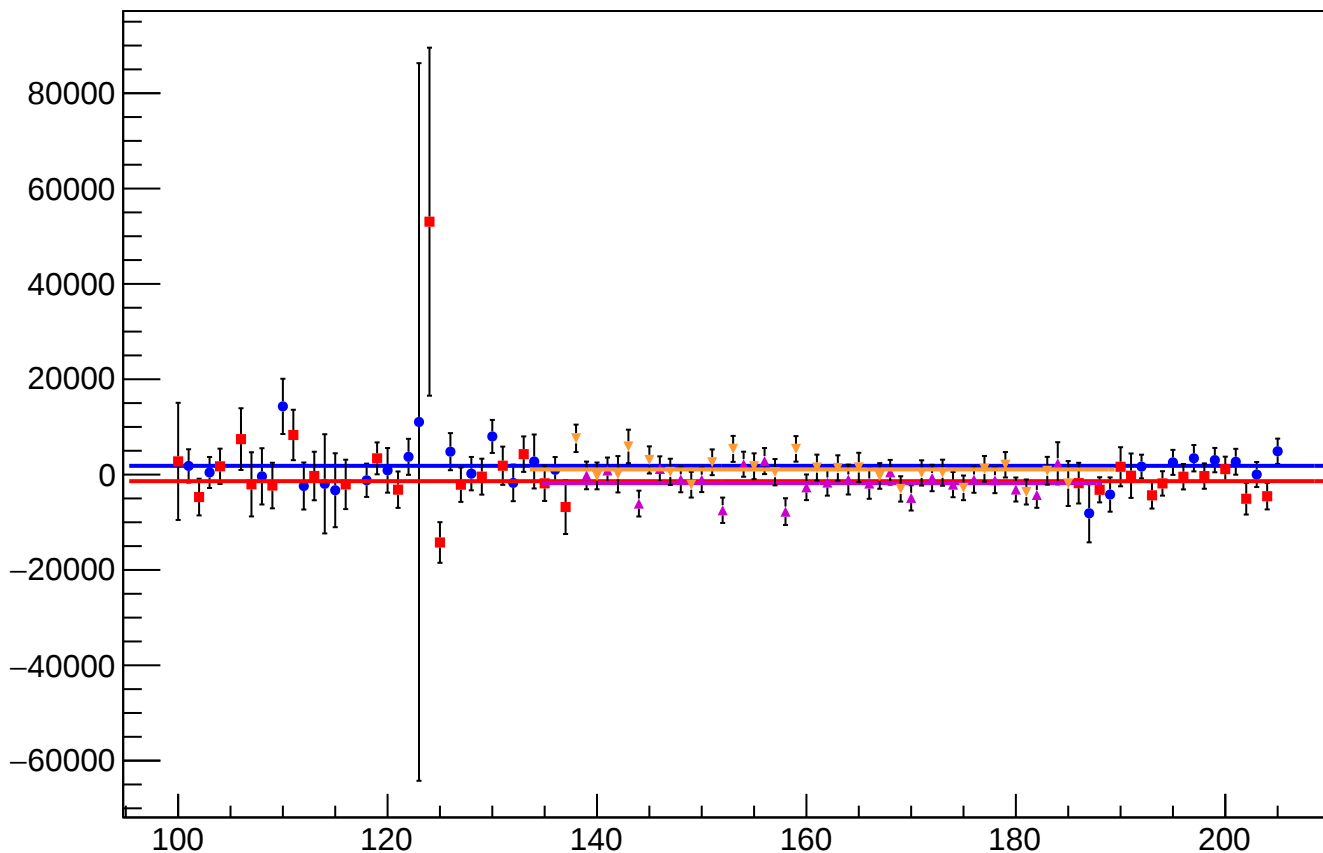
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1025.181+/-0.150 χ^2/NDF : 2856993.6/33

All: 1024.606+/-0.106 χ^2/NDF : 5867518.0/67

- sign 1024.024+/-0.151 χ^2/NDF : 3010494.8/33

reg_asym_atl1_mean vs Slug



Right In: 1837.933 $\pm$ 692.118 χ^2 /NDF: 20.3/25

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

Right Out: -1376.105 $\pm$ 676.579 χ^2 /NDF: 30.5/29

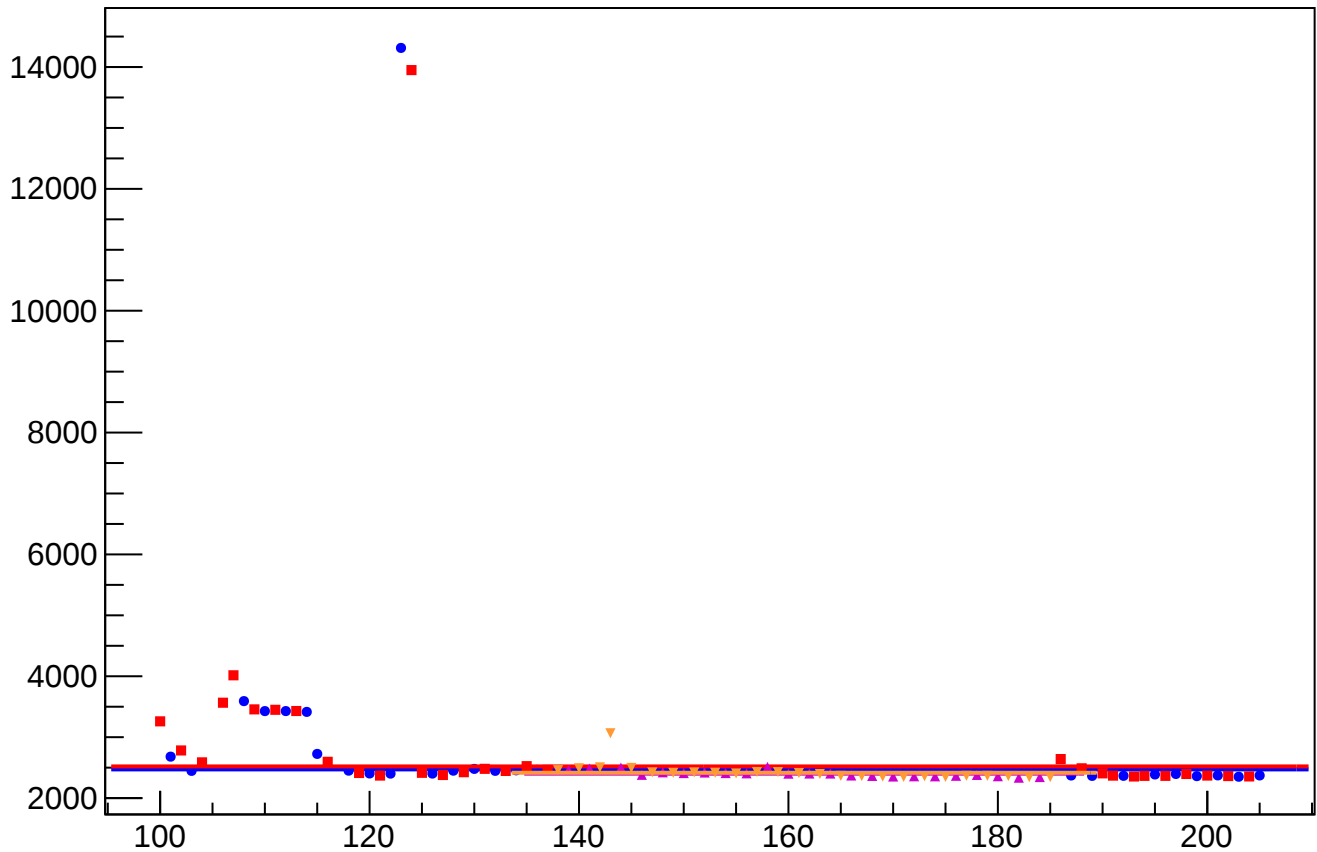
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1381.291 $\pm$ 437.219 χ^2 /NDF: 44.6/50

All: -109.159 $\pm$ 309.626 χ^2 /NDF: 122.7/103

- sign -1608.631 $\pm$ 438.540 χ^2 /NDF: 54.8/52

reg_asym_atl1_rms vs Slug



Right In: 2471.124+/-0.489 χ^2/NDF : 302327.5/25

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

Right Out: 2520.017+/-0.478 χ^2/NDF : 628006.0/29

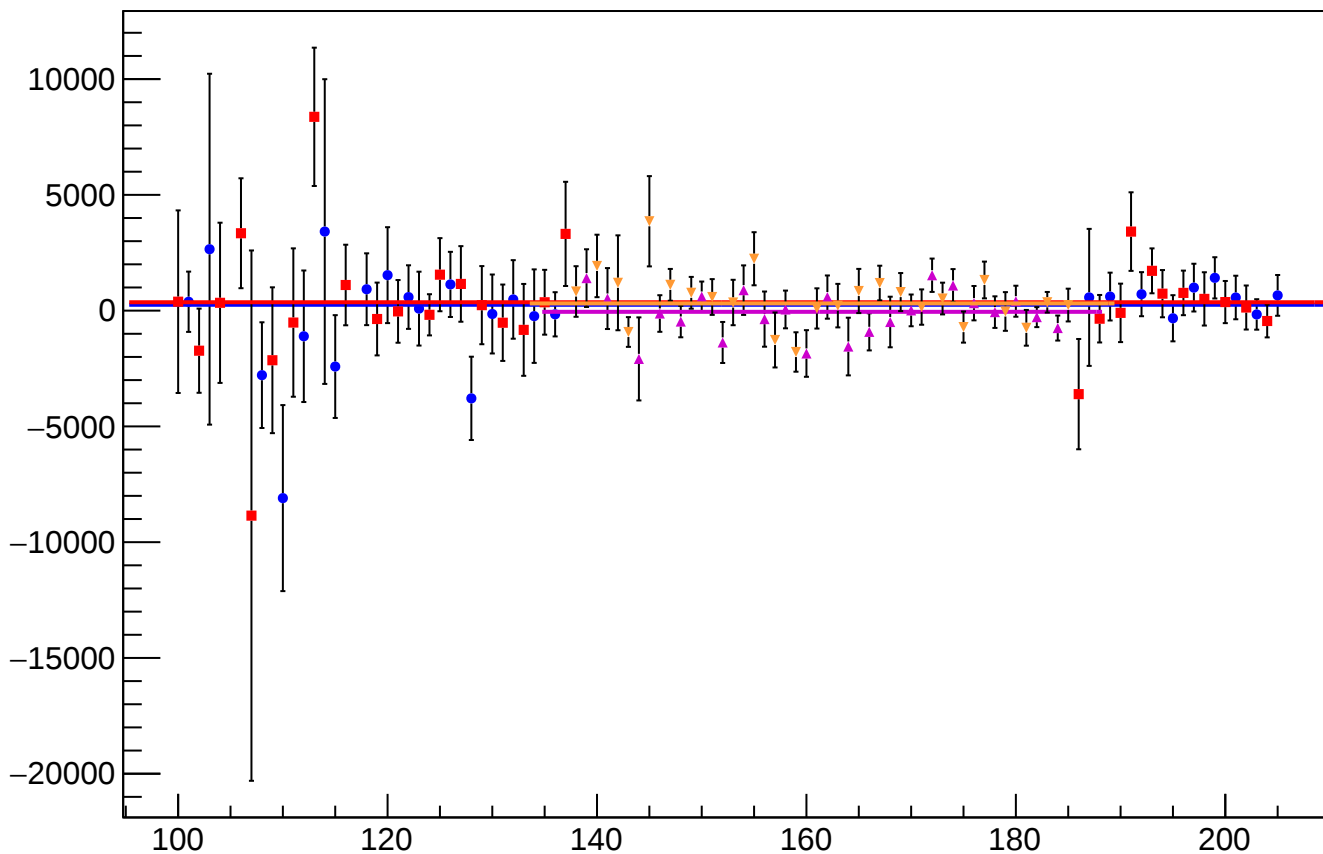
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2438.010+/-0.309 χ^2/NDF : 392582.4/50

All: 2444.608+/-0.219 χ^2/NDF : 1070883.4/10

- sign 2451.247+/-0.310 χ^2/NDF : 677387.2/52

asym_atl1_correction_mean vs Slug



Right In: 253.046 $\pm$ 252.151 χ^2 /NDF: 18.2/25

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

Right Out: 362.299 $\pm$ 248.312 χ^2 /NDF: 25.7/29

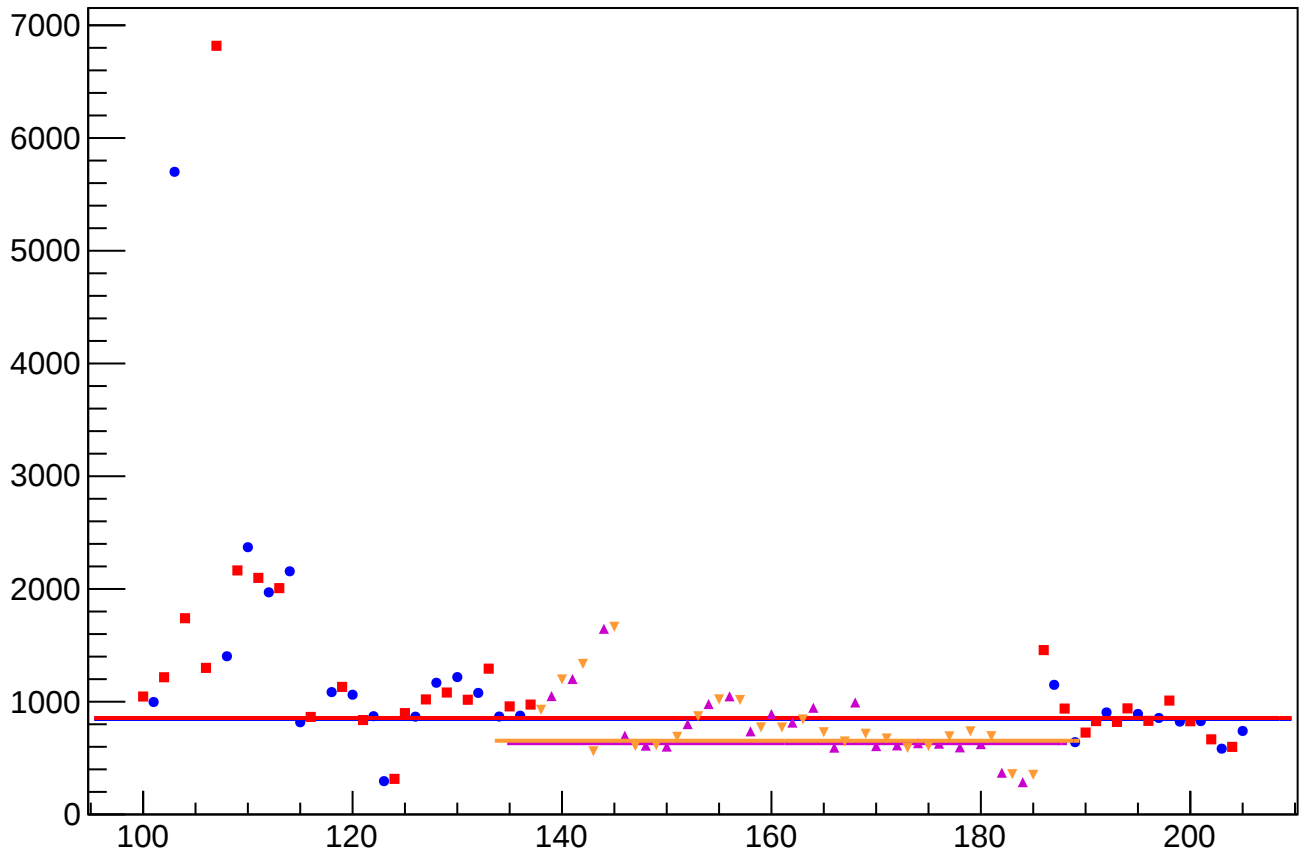
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF: 23.8/22

+ sign 294.177 $\pm$ 135.488 χ^2 /NDF: 47.9/50

All: 183.022 $\pm$ 95.819 χ^2 /NDF: 100.8/103

- sign 71.801 $\pm$ 135.528 χ^2 /NDF: 51.5/52

asym_atl1_correction_rms vs Slug



Right In: 846.949 ± 0.178 χ^2/NDF : 2616751.5/25

Left Out: 653.803 ± 0.114 χ^2/NDF : 3254694.4/24

Right Out: 855.771 ± 0.176 χ^2/NDF : 3320872.4/29

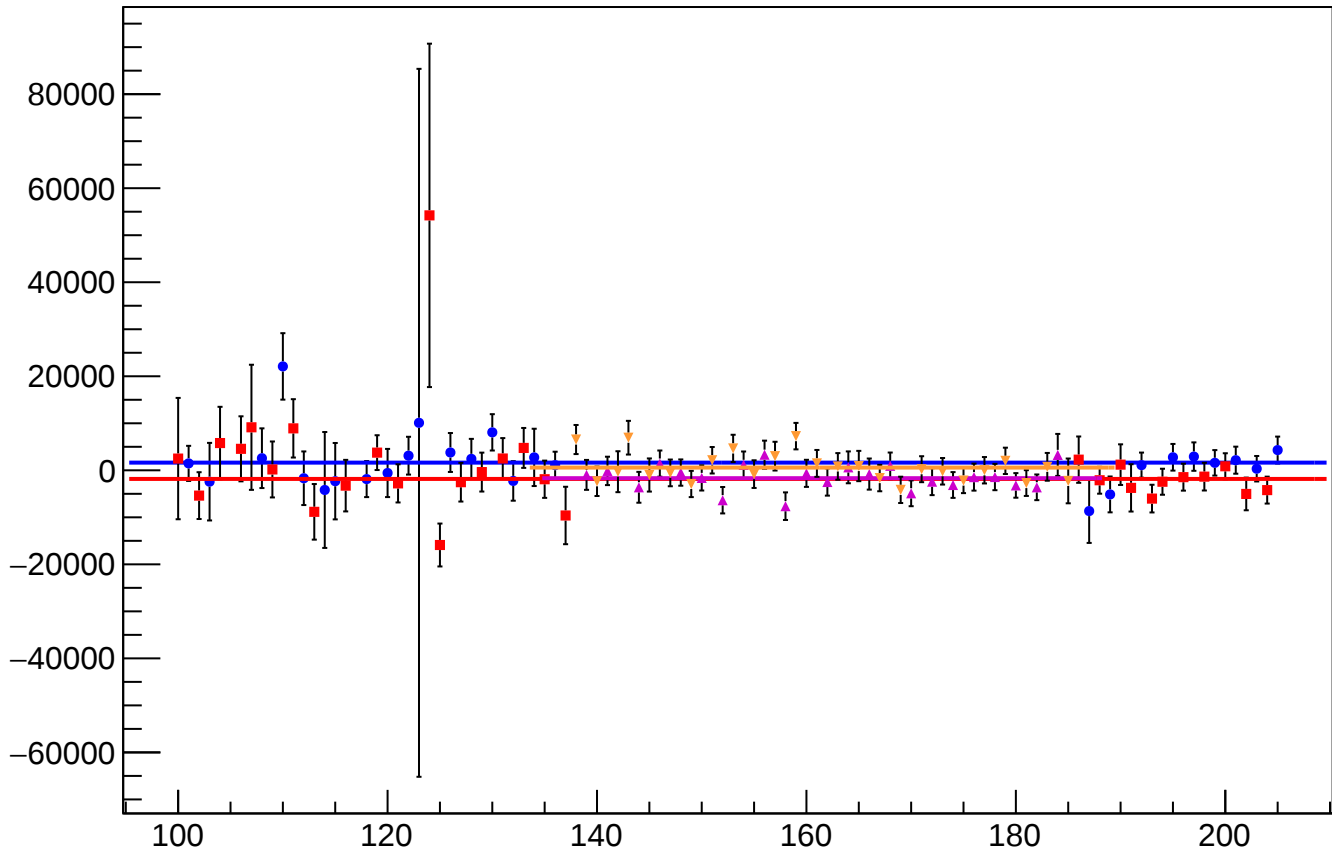
Left In: 632.053 ± 0.114 χ^2/NDF : 3942853.4/22

+ sign 709.568 ± 0.096 χ^2/NDF : 6706131.9/50

All: 704.135 ± 0.068 χ^2/NDF : 15116117.5/10

- sign 698.697 ± 0.096 χ^2/NDF : 8403549.6/52

asym_atl1_mean vs Slug



Right In: 1634.005 ± 762.803 χ^2/NDF : 21.6/25

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

Right Out: -1834.244 ± 749.641 χ^2/NDF : 33.0/29

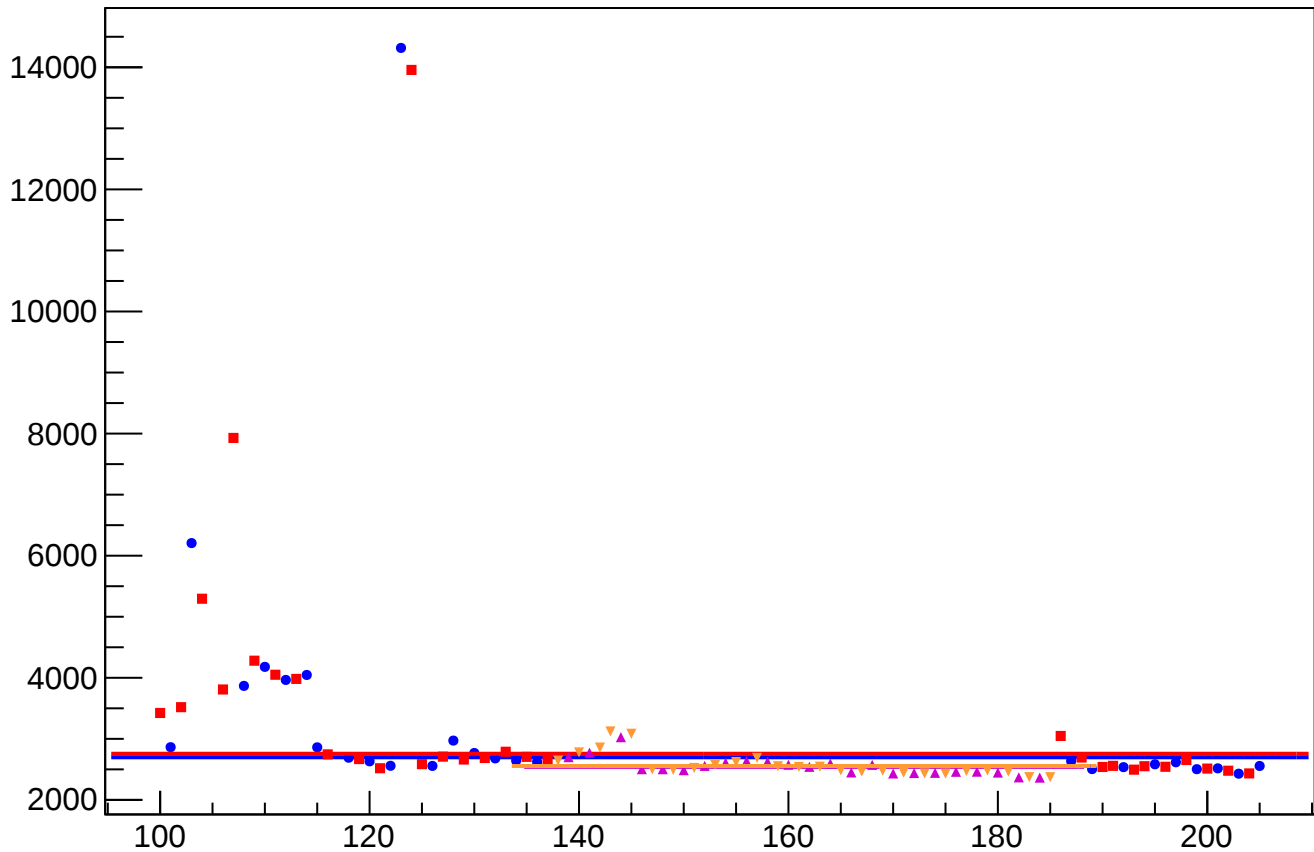
Left In: -1679.572 ± 610.111 χ^2/NDF : 18.2/22

+ sign 981.058 ± 470.218 χ^2/NDF : 48.1/50

All: -371.473 ± 333.543 χ^2/NDF : 116.0/103

- sign -1741.202 ± 473.198 χ^2/NDF : 51.2/52

asym_atl1_rms vs Slug



Right In: 2697.813+/-0.539 χ^2/NDF : 768398.4/25

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

Right Out: 2755.915+/-0.530 χ^2/NDF : 1233693.6/29

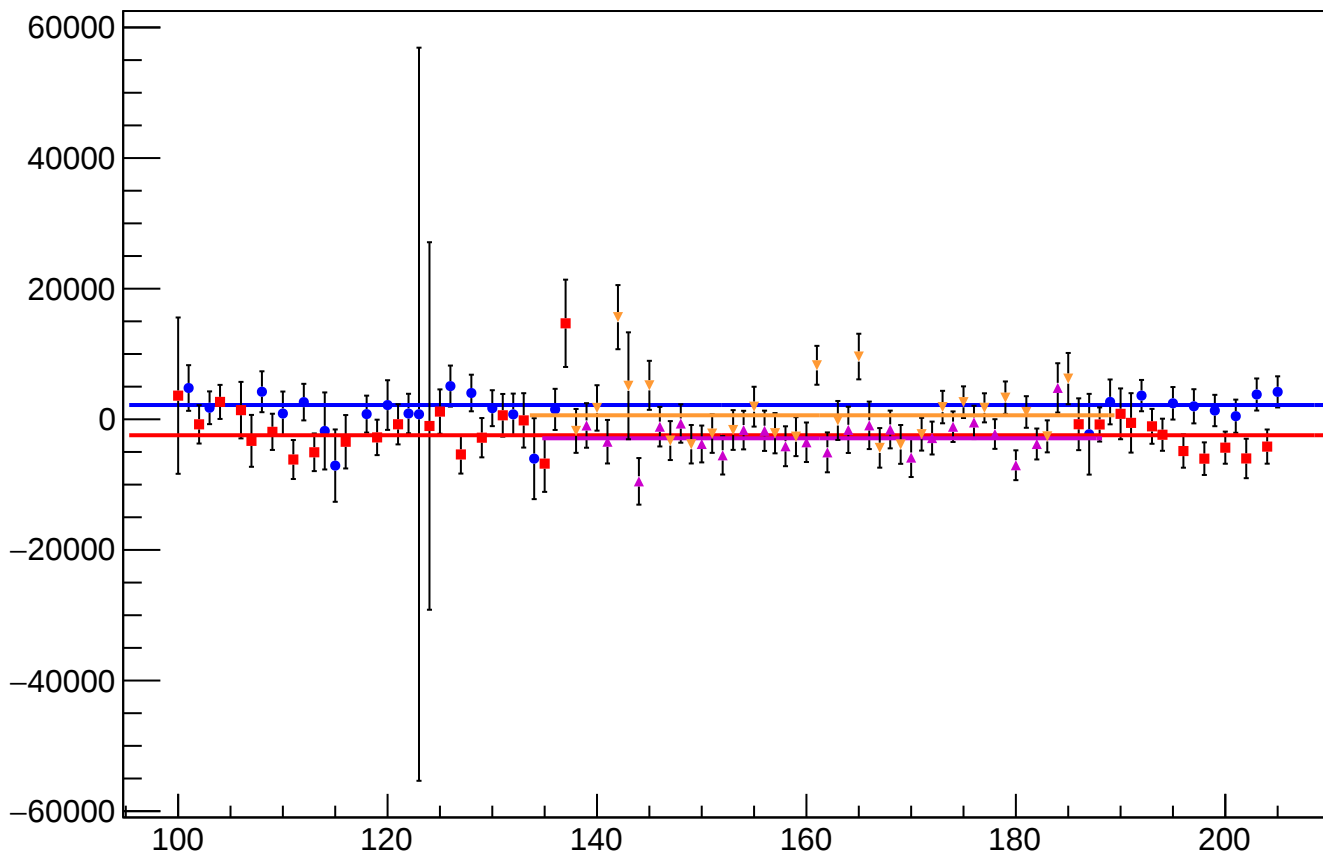
Left In: 2540.988+/-0.431 χ^2/NDF : 94756.7/22

+ sign 2609.441+/-0.332 χ^2/NDF : 966437.0/50

All: 2617.979+/-0.236 χ^2/NDF : 2395109.9/10

- sign 2626.627+/-0.335 χ^2/NDF : 1427345.5/52

reg_asym_atl2_mean vs Slug



Right In: 2187.433+/-600.416 χ^2/NDF : 10.8/25

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

Right Out: -2440.355+/-581.411 χ^2/NDF : 26.1/29

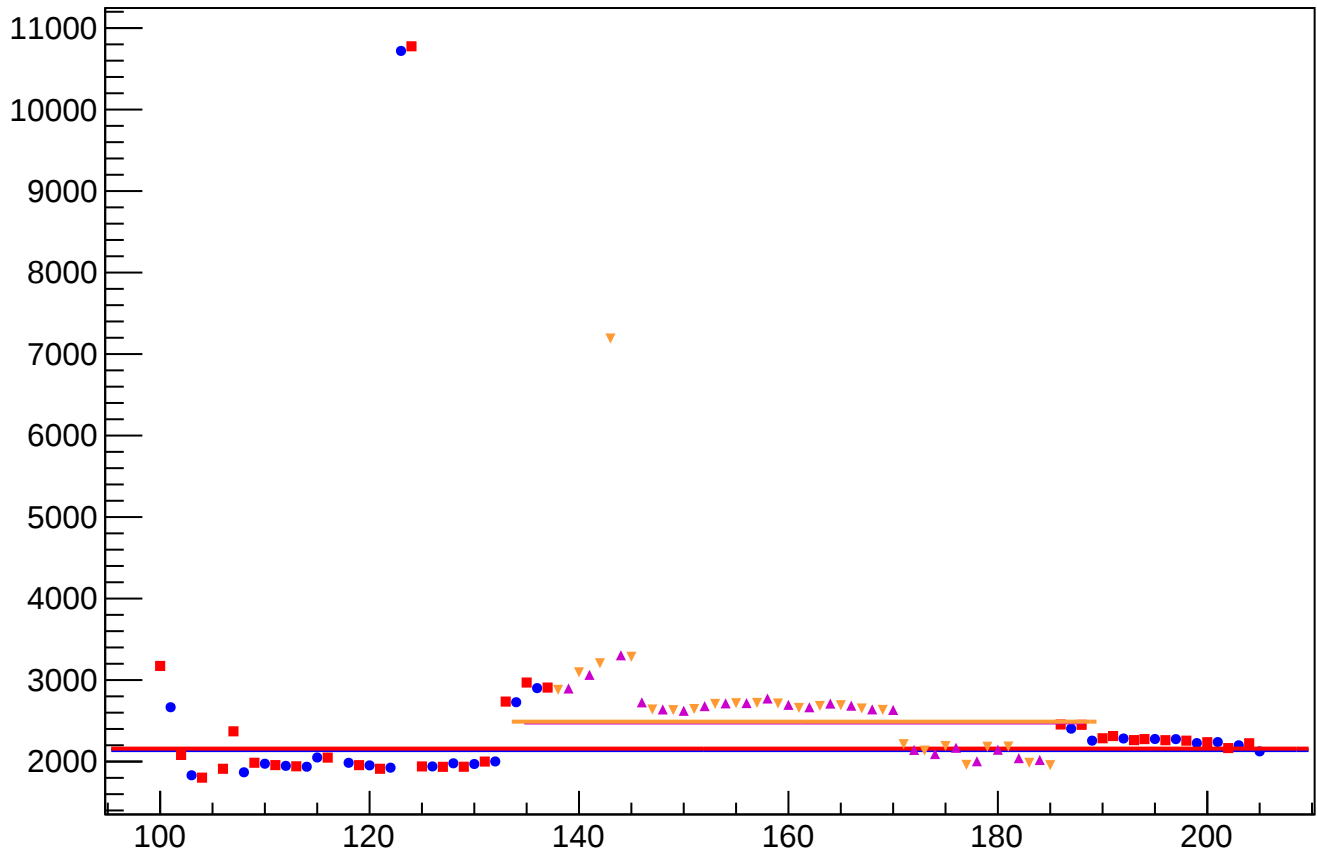
Left In: -2909.108+/-599.673 χ^2/NDF : 17.4/22

+ sign 1388.919+/-421.243 χ^2/NDF : 59.5/50

All: -657.741+/-296.505 χ^2/NDF : 150.0/103

- sign -2667.485+/-417.427 χ^2/NDF : 43.7/52

reg_asym_atl2_rms vs Slug



Right In: 2140.507+/-0.425 χ^2/NDF : 367965.9/25

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

Right Out: 2158.978+/-0.411 χ^2/NDF : 534013.1/29

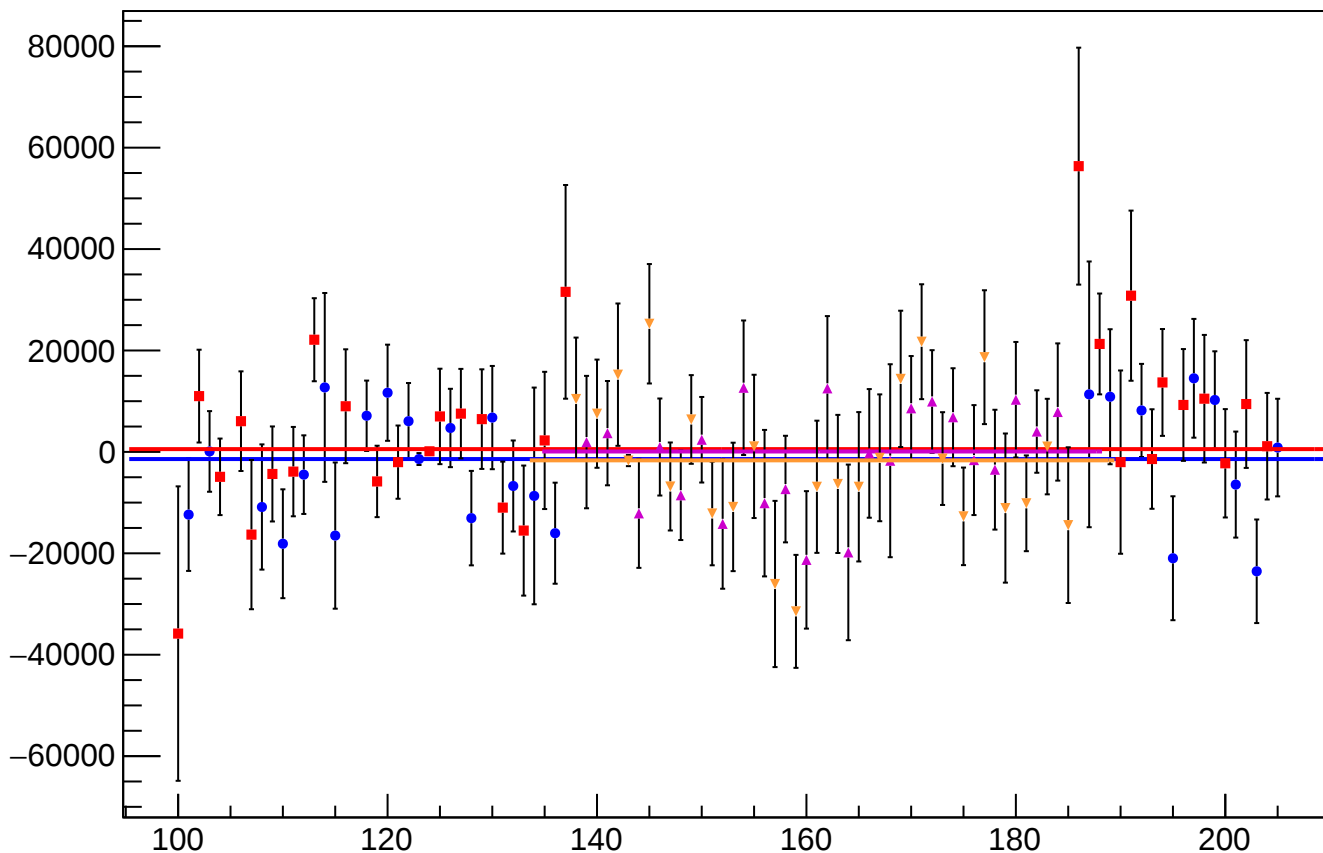
Left In: 2479.348+/-0.424 χ^2/NDF :668398.2/22

+ sign 2317.757+/-0.298 χ^2/NDF : 2075429.8/50

All: 2315.967+/-0.210 χ^2/NDF : 3572152.4/10

- sign 2314.210+/-0.295 χ^2/NDF : 1496651.1/52

asym_atl2_correction_mean vs Slug



Right In: -1411.891+/-1014.119 χ^2 /NDF: 28.8/25

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

Right Out: 549.186+/-682.807 χ^2 /NDF: 37.9/29

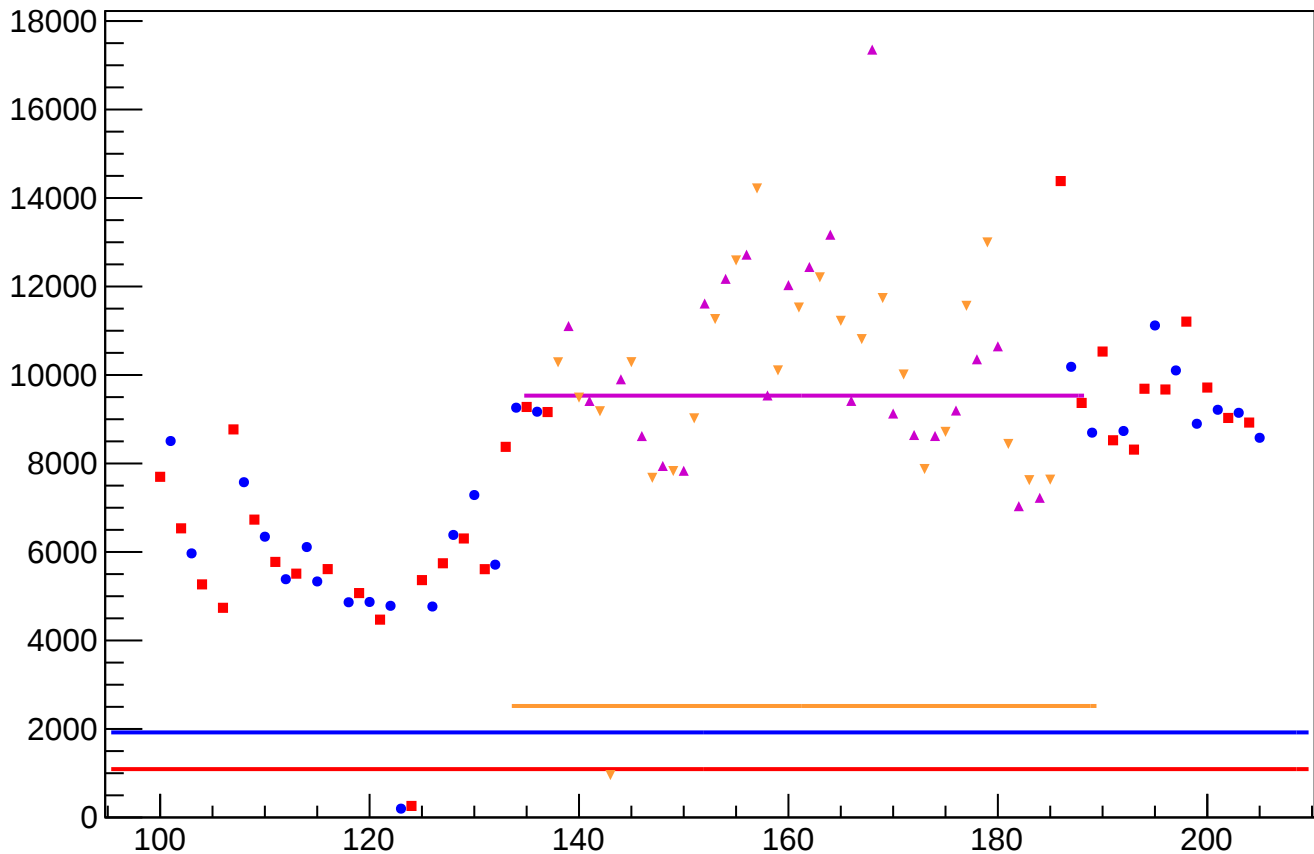
Left In: 80.274+/-2331.531 χ^2 /NDF: 13.8/22

+ sign -1541.314+/-709.528 χ^2 /NDF: 61.2/50

All: -433.099+/-481.392 χ^2 /NDF: 117.5/103

- sign 512.146+/-655.284 χ^2 /NDF: 51.8/52

asym_atl2_correction_rms vs Slug



Right In: 1922.007 $\pm$ 0.717 χ^2 /NDF: 18578638.6/25

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

Right Out: 1092.484 $\pm$ 0.483 χ^2 /NDF: 22906651.4/29

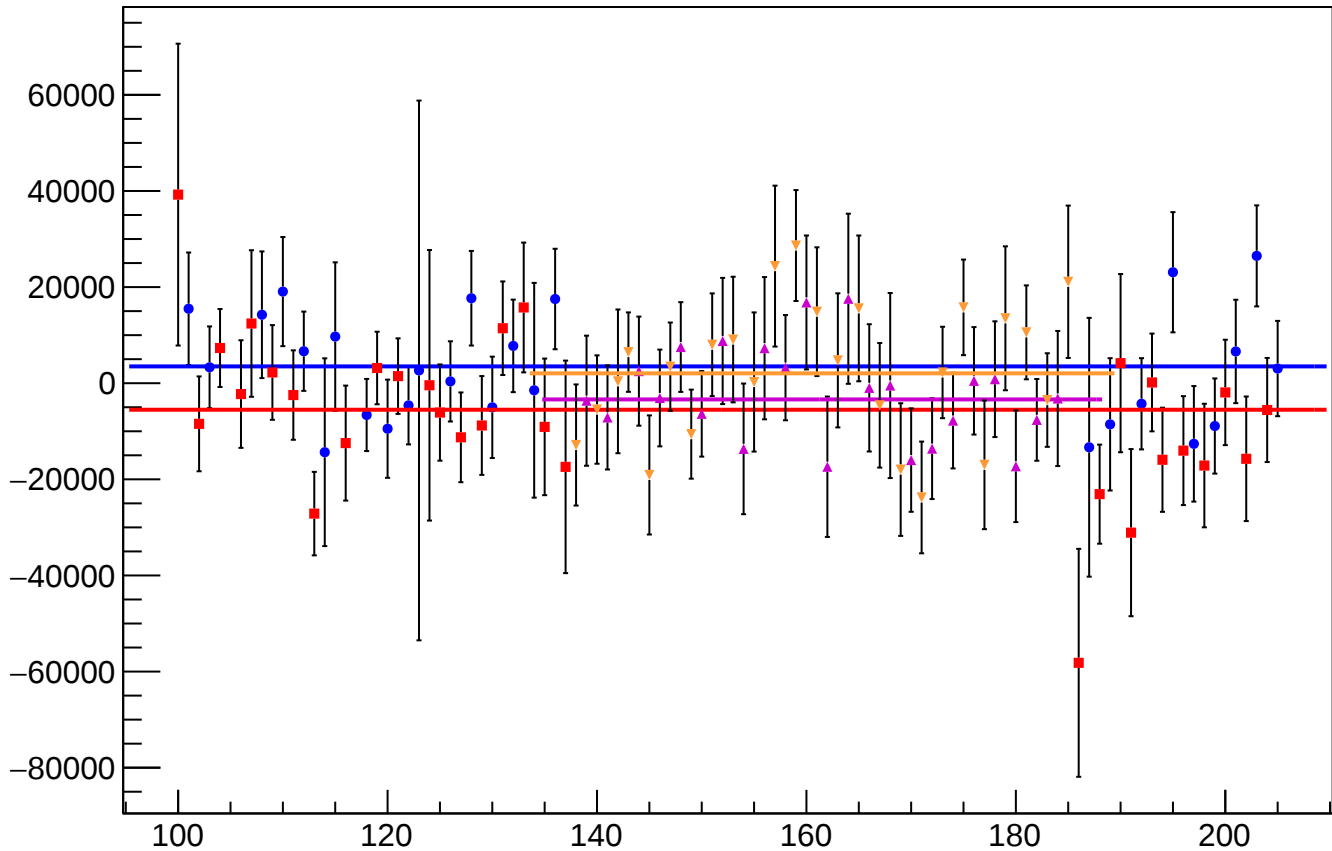
Left In: 9533.563 $\pm$ 1.649 χ^2 /NDF: 1316640.0/22

+ sign 2226.949 $\pm$ 0.502 χ^2 /NDF: 42574999.7/50

All: 1974.542 $\pm$ 0.340 χ^2 /NDF: 91411174.7/1

- sign 1759.253 $\pm$ 0.463 χ^2 /NDF: 48367191.9/52

asym_atl2_mean vs Slug



Right In: 3499.901 $\pm$ 2114.039 χ^2 /NDF: 26.6/25

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

Right Out: -5519.738 $\pm$ 2032.787 χ^2 /NDF: 35.5/29

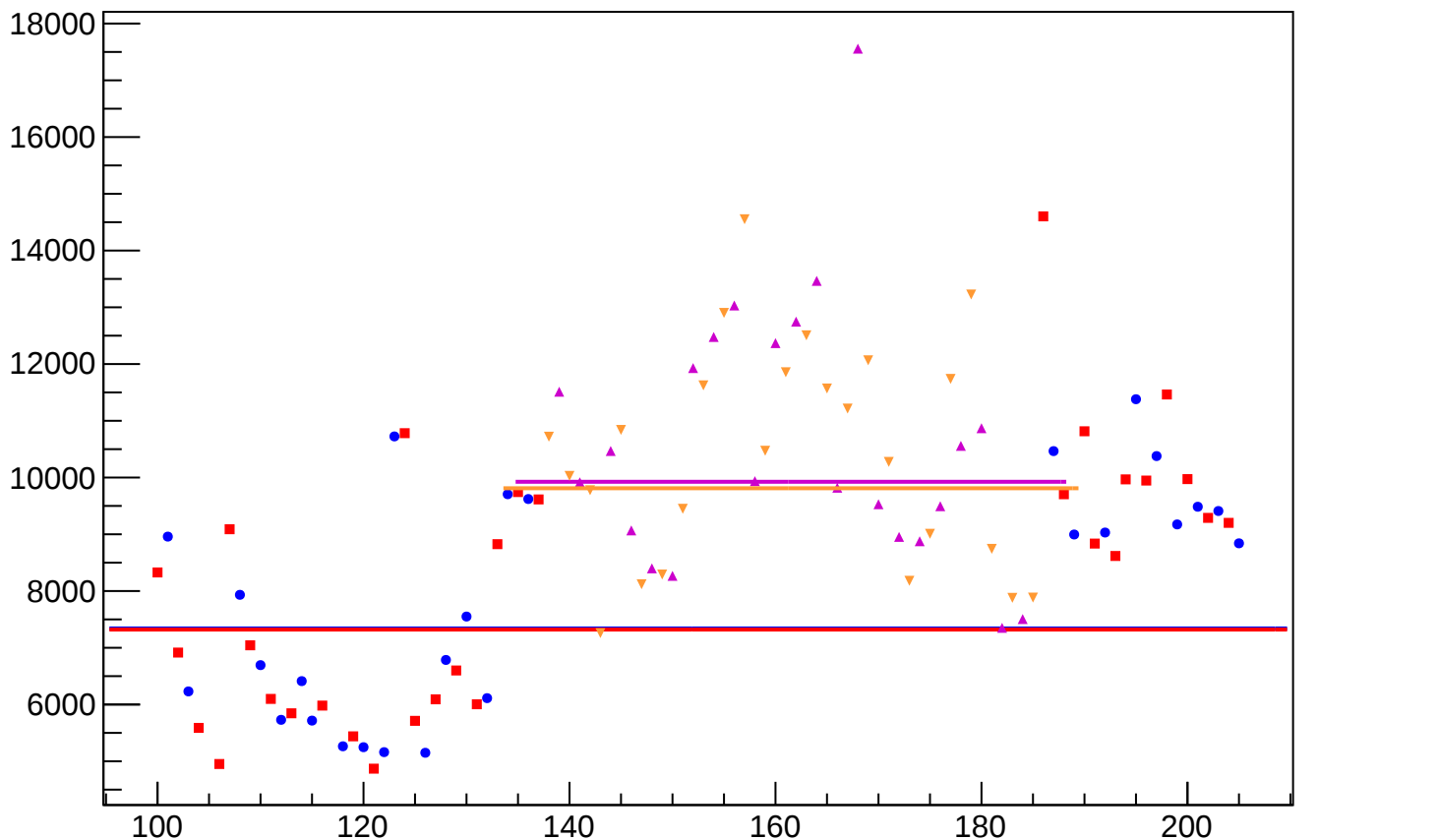
Left In: -3371.931 $\pm$ 2423.242 χ^2 /NDF:13.1/22

+ sign 2849.002 $\pm$ 1566.706 χ^2 /NDF: 57.6/50

All: -914.132 $\pm$ 1104.517 χ^2 /NDF: 118.1/103

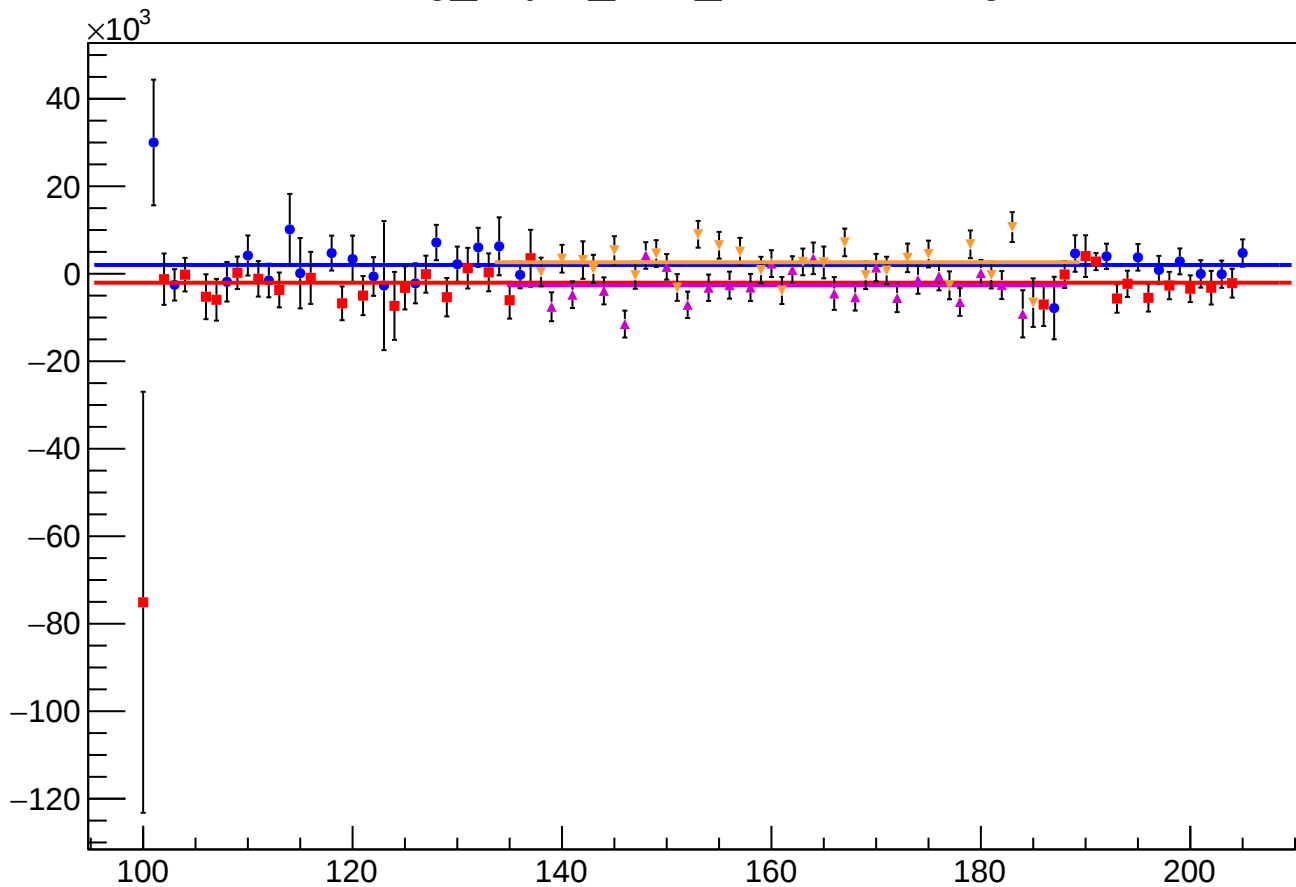
- sign -4632.600 $\pm$ 1557.381 χ^2 /NDF: 49.0/52

asym_atl2_rms vs Slug



Right In: 7340.375+/-1.495	χ^2/NDF : 1596563.8/25	+ sign 8454.095+/-1.108	χ^2/NDF : 4041794.3/50
Left Out: 9811.053+/-1.650	χ^2/NDF : 1213831.0/24	All: 8425.294+/-0.781	χ^2/NDF : 8600770.9/10
Right Out: 7321.294+/-1.437	χ^2/NDF : 1990419.8/29	- sign 8396.836+/-1.101	χ^2/NDF : 4557632.9/52
Left In: 9925.337+/-1.713	χ^2/NDF : 1211554.7/22		

reg_asym_atr1_mean vs Slug



Right In: 2017.158 $\pm$ 789.848 χ^2 /NDF: 18.4/25

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

Right Out: -2042.496 $\pm$ 707.841 χ^2 /NDF: 21.8/29

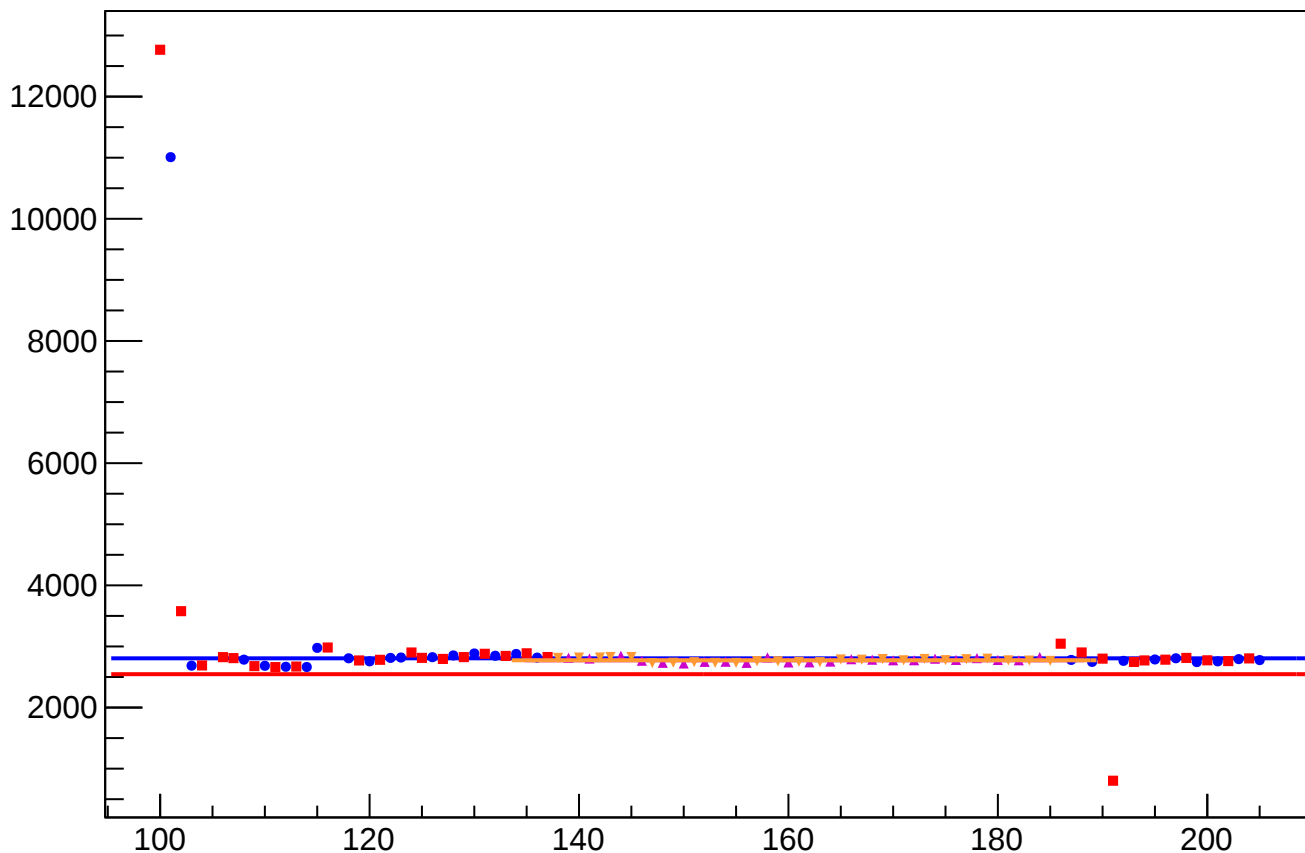
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2387.805 $\pm$ 500.107 χ^2 /NDF: 53.8/50

All: -61.002 $\pm$ 347.979 χ^2 /NDF: 157.8/103

- sign -2359.328 $\pm$ 484.497 χ^2 /NDF: 57.4/52

reg_asym_atr1_rms vs Slug



Right In: 2805.691+/-0.559 χ^2/NDF : 664468.8/25

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

Right Out: 2546.178+/-0.501 χ^2/NDF : 1987584.9/29

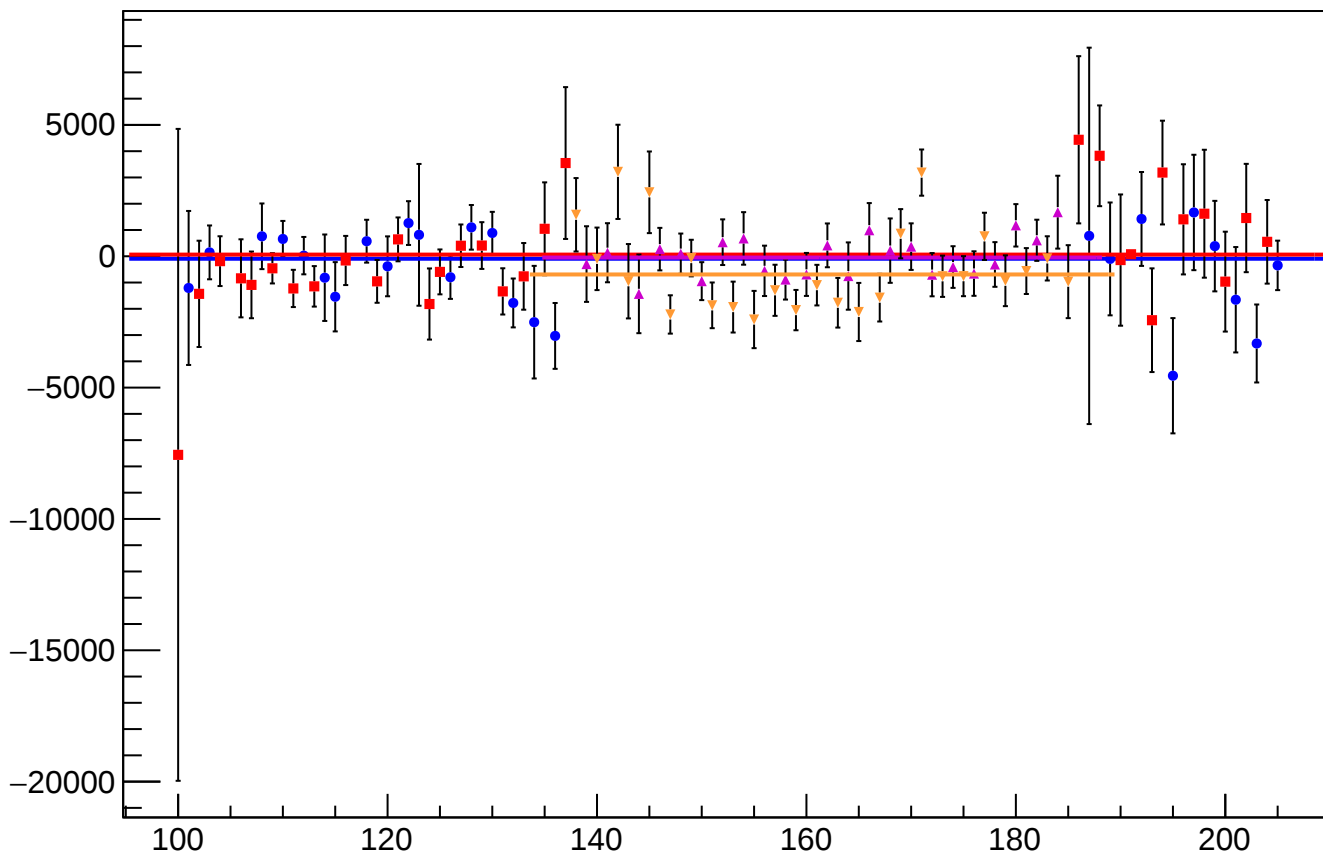
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2786.533+/-0.354 χ^2/NDF : 671049.3/50

All: 2725.019+/-0.246 χ^2/NDF : 2832430.0/10

- sign 2667.284+/-0.343 χ^2/NDF : 2102721.3/52

asym_atr1_correction_mean vs Slug



Right In: -94.492 ± 222.815 χ^2/NDF : 32.0/25

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

Right Out: 63.234 ± 37.876 χ^2/NDF : 30.1/29

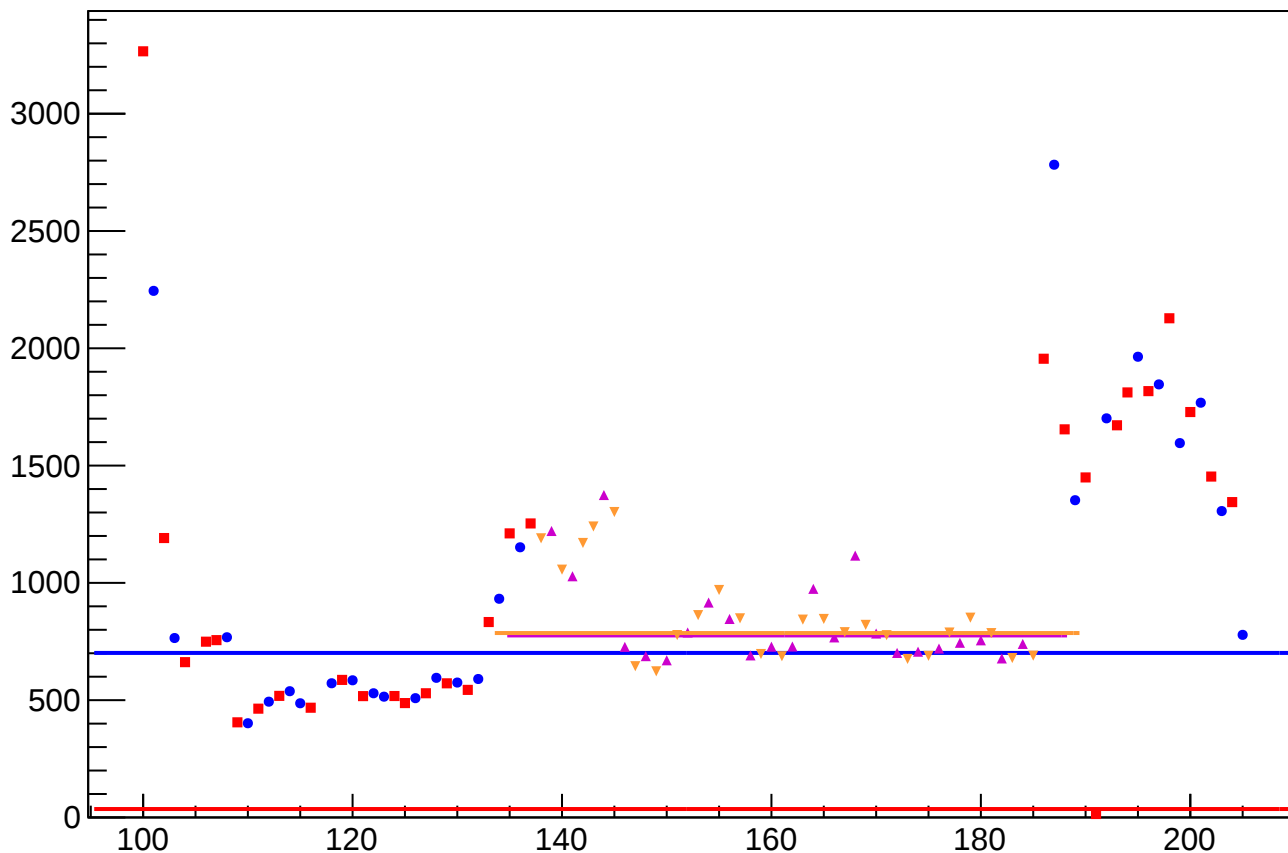
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -445.081 ± 143.372 χ^2/NDF : 92.2/50

All: 27.209 ± 35.952 χ^2/NDF : 147.8/103

- sign 58.900 ± 37.139 χ^2/NDF : 44.0/52

asym_atr1_correction_rms vs Slug



Right In: 701.371 ± 0.158 χ^2/NDF : 5492605.2/25

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

Right Out: 35.938 ± 0.027 χ^2/NDF : 25268617.2/29

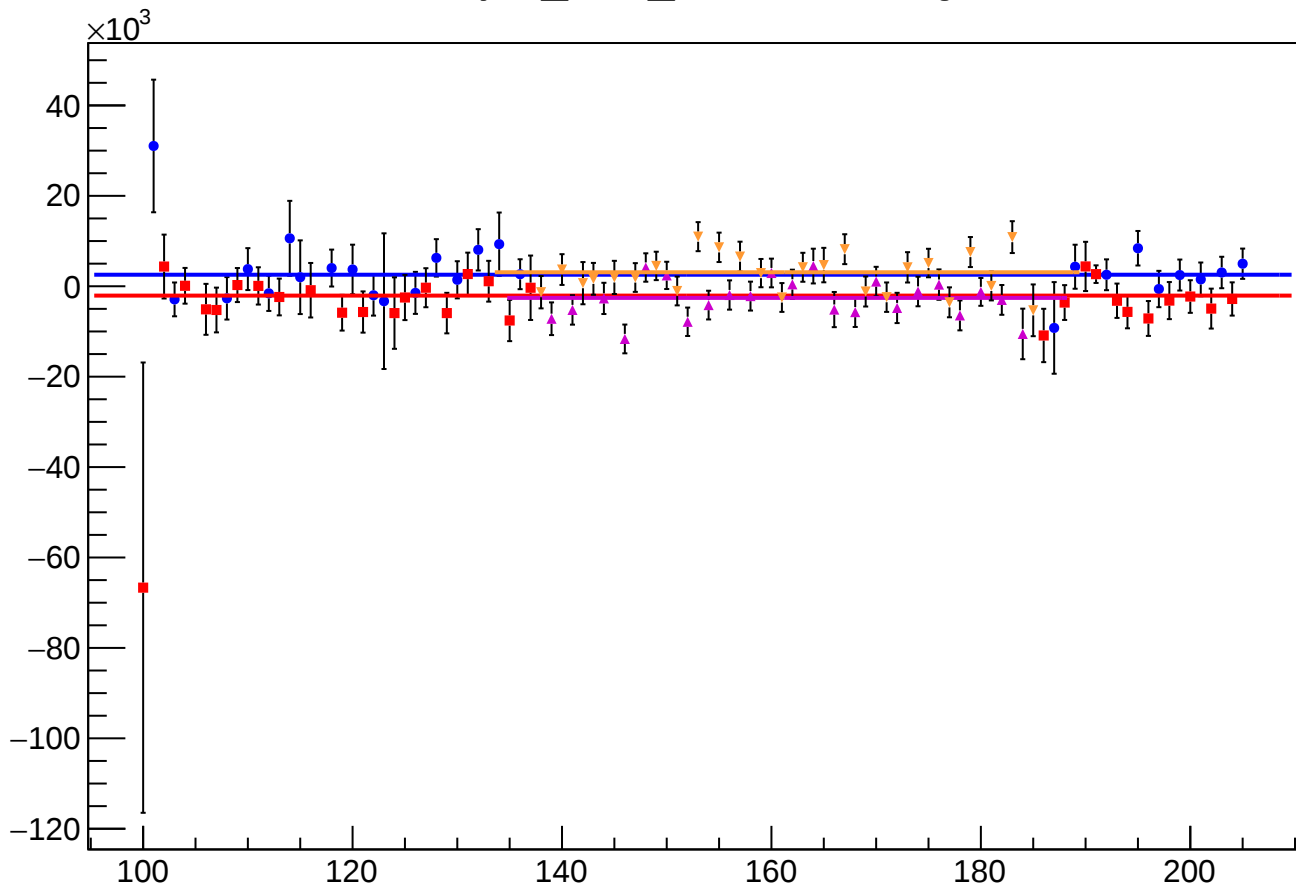
Left In: 775.930 ± 0.134 χ^2/NDF : 1056766.5/22

+ sign 751.062 ± 0.101 χ^2/NDF : 6911896.0/50

All: 107.629 ± 0.025 χ^2/NDF : 105640245.6/52

- sign 64.454 ± 0.026 χ^2/NDF : 55743972.6/52

asym_atr1_mean vs Slug



Right In: 2550.645 ± 866.751 $\chi^2/\text{NDF}: 19.7/25$

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

Right Out: -2067.512 ± 772.823 $\chi^2/\text{NDF}: 23.0/29$

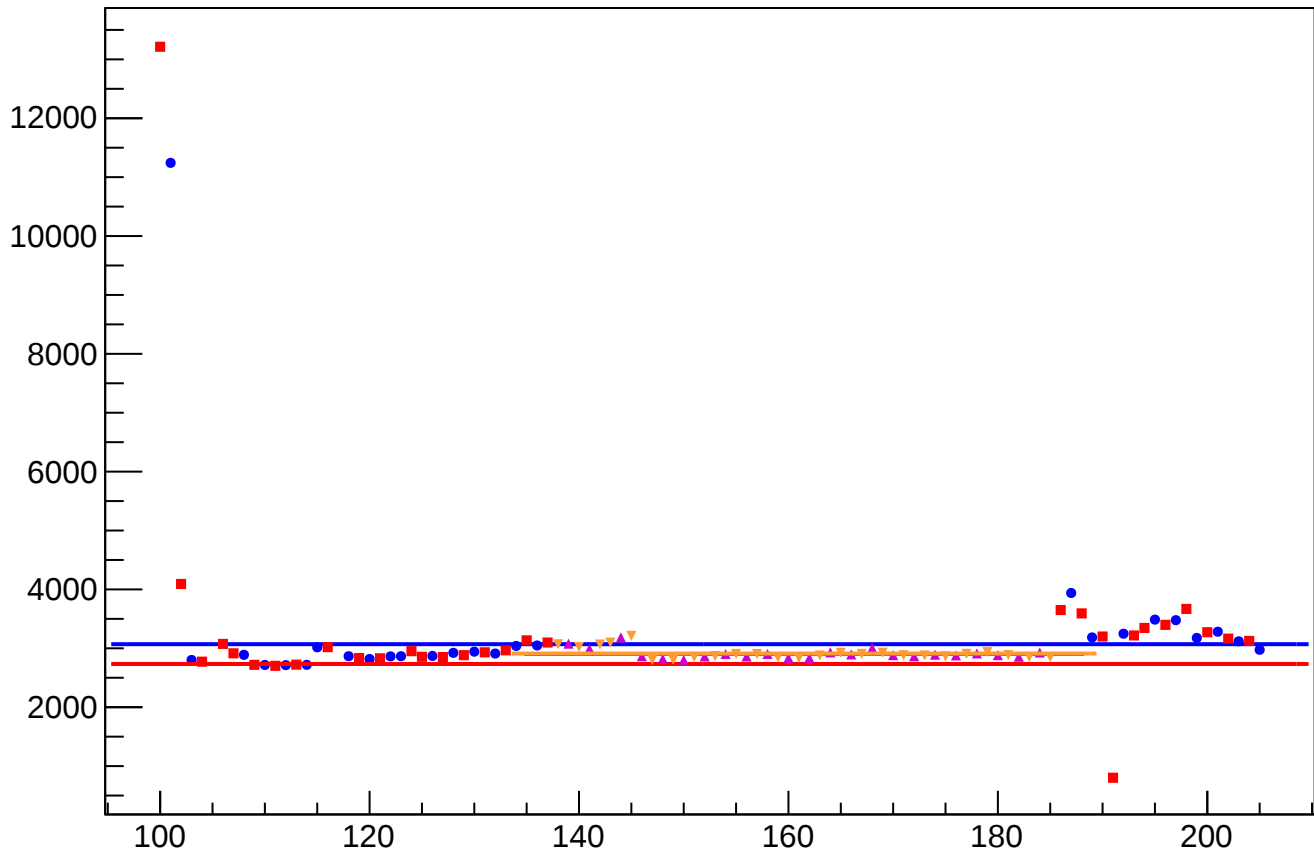
Left In: -2573.184 ± 695.795 $\chi^2/\text{NDF}: 35.7/22$

+ sign 2888.057 ± 534.275 $\chi^2/\text{NDF}: 58.6/50$

All: 185.113 ± 371.567 $\chi^2/\text{NDF}: 167.1/103$

- sign -2346.798 ± 517.096 $\chi^2/\text{NDF}: 58.9/52$

asym_atr1_rms vs Slug



Right In: 3069.979+/-0.613 χ^2 /NDF: 766745.8/25

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

Right Out: 2734.143+/-0.546 χ^2 /NDF: 2680858.6/29

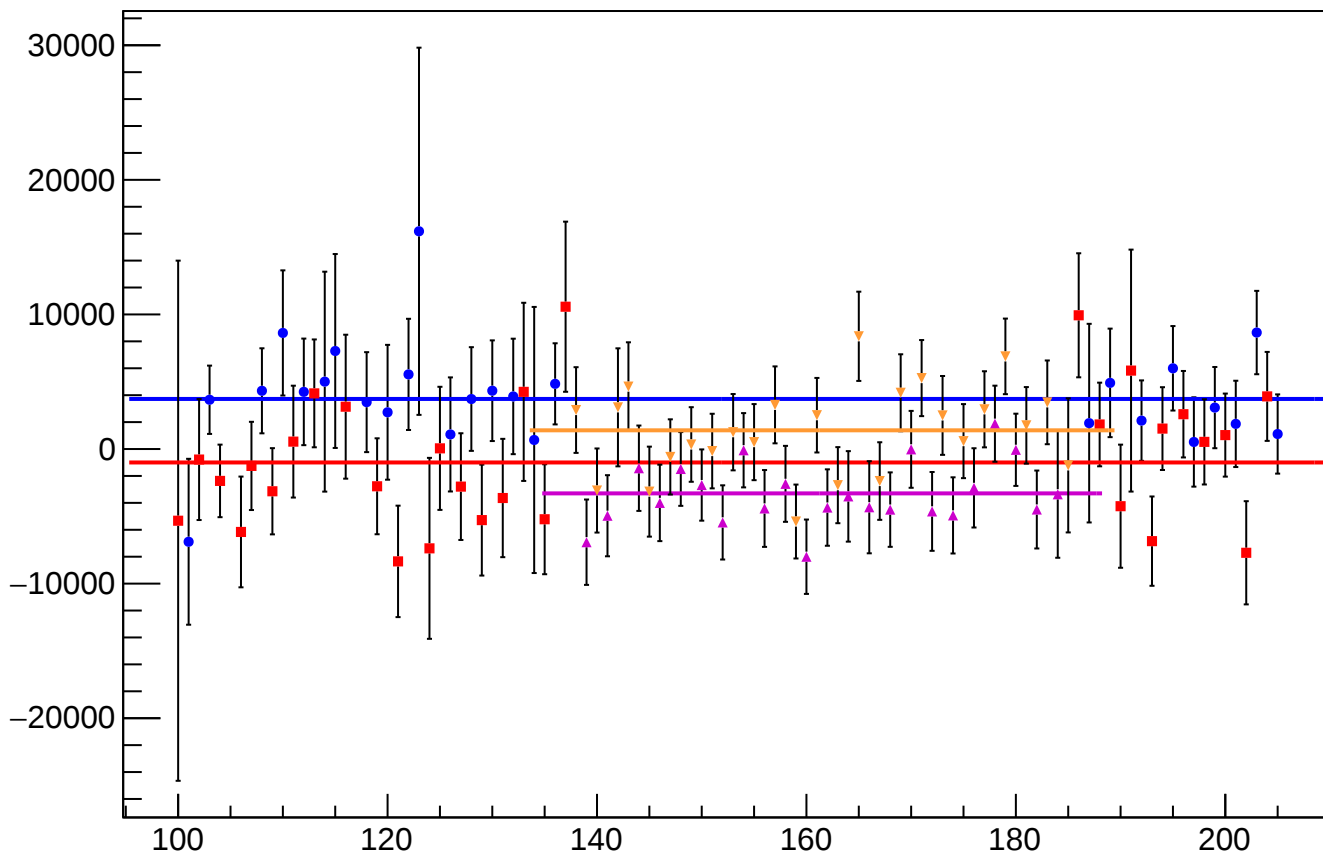
Left In: 2903.411+/-0.492 χ^2 /NDF:28838.5/22

+ sign 2971.546+/-0.378 χ^2 /NDF: 844991.3/50

All: 2897.237+/-0.263 χ^2 /NDF: 3682608.4/10

- sign 2827.630+/-0.366 χ^2 /NDF: 2762687.9/52

reg_asym_atr2_mean vs Slug



Right In: 3720.888+/-748.957 χ^2/NDF : 11.7/25

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

Right Out: -998.610+/-715.667 χ^2/NDF : 34.3/29

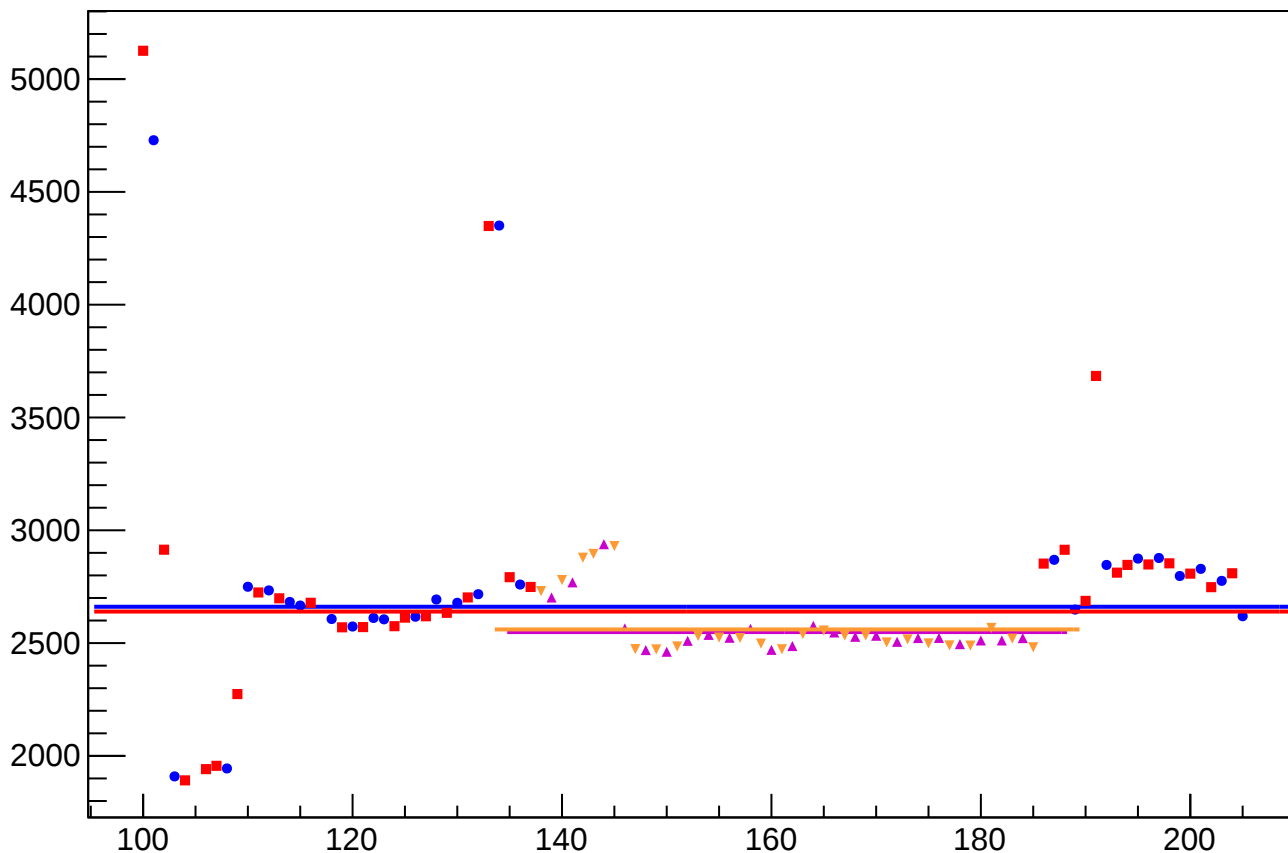
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2294.872+/-466.605 χ^2/NDF : 46.8/50

All: -28.772+/-329.100 χ^2/NDF : 151.3/103

- sign -2328.919+/-464.240 χ^2/NDF : 55.1/52

reg_asym_atr2_rms vs Slug



Right In: 2661.079+/-0.530 χ^2/NDF : 607610.2/25

Left Out: 2560.531+/-0.422 χ^2/NDF : 86771.4/24

Right Out: 2639.765+/-0.506 χ^2/NDF : 597496.3/29

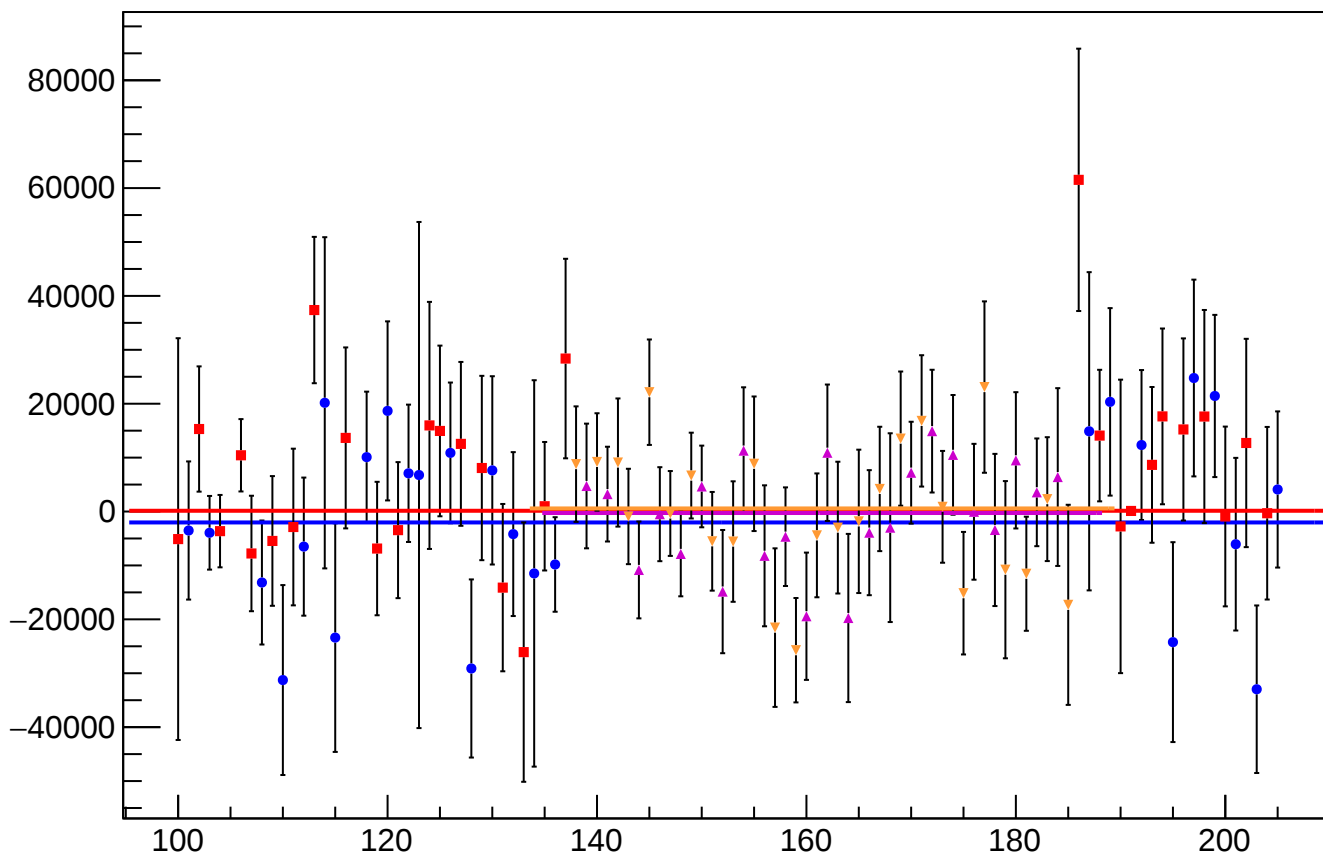
Left In: 2548.870+/-0.431 χ^2/NDF : 55266.2/22

+ sign 2599.558+/-0.330 χ^2/NDF : 716437.1/50

All: 2593.306+/-0.233 χ^2/NDF : 1388600.8/10

- sign 2587.118+/-0.328 χ^2/NDF : 671449.3/52

asym_atr2_correction_mean vs Slug



Right In: -2026.132 ± 2791.104 χ^2/NDF : 26.7/25

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

Right Out: 141.005 ± 194.966 χ^2/NDF : 31.6/29

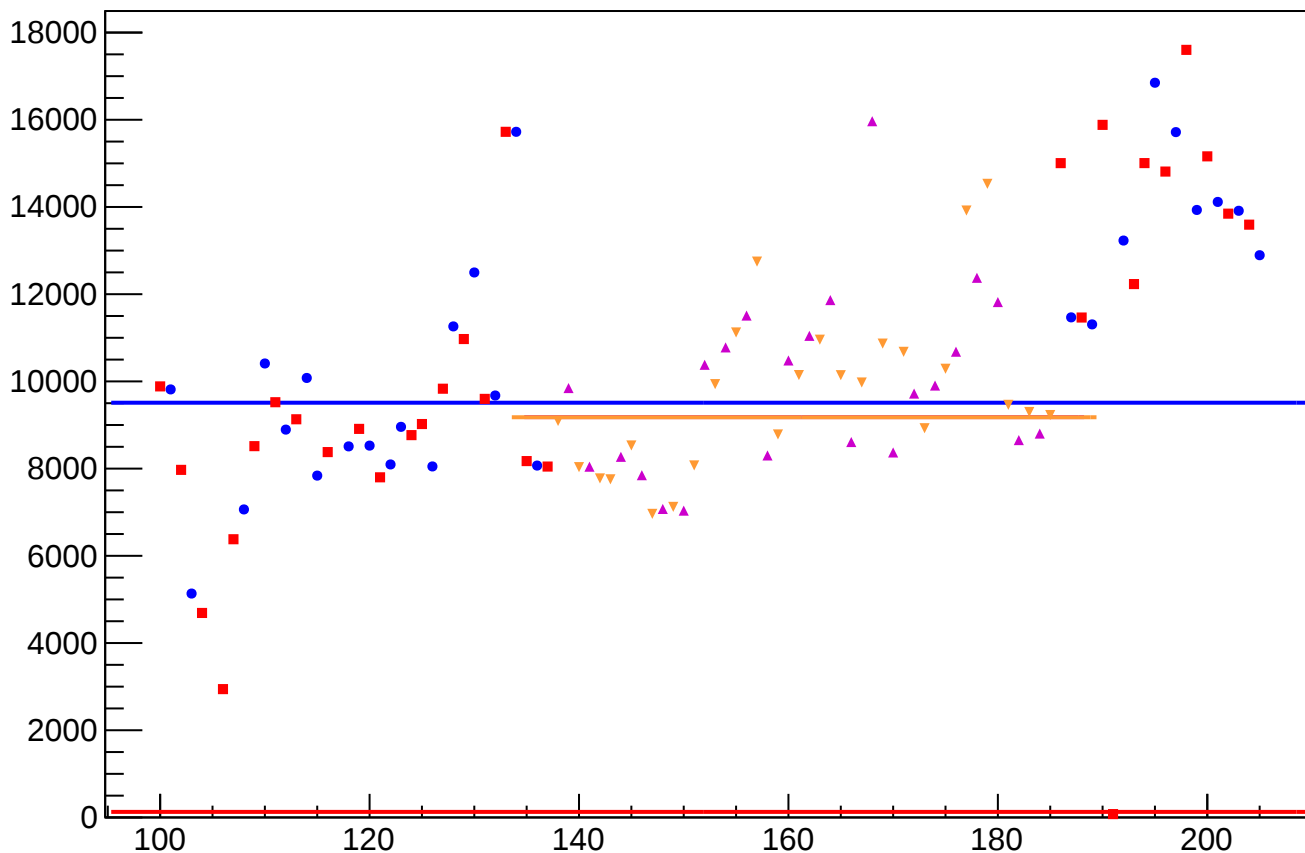
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -414.587 ± 1720.197 χ^2/NDF : 55.5/50

All: 130.929 ± 193.007 χ^2/NDF : 102.9/103

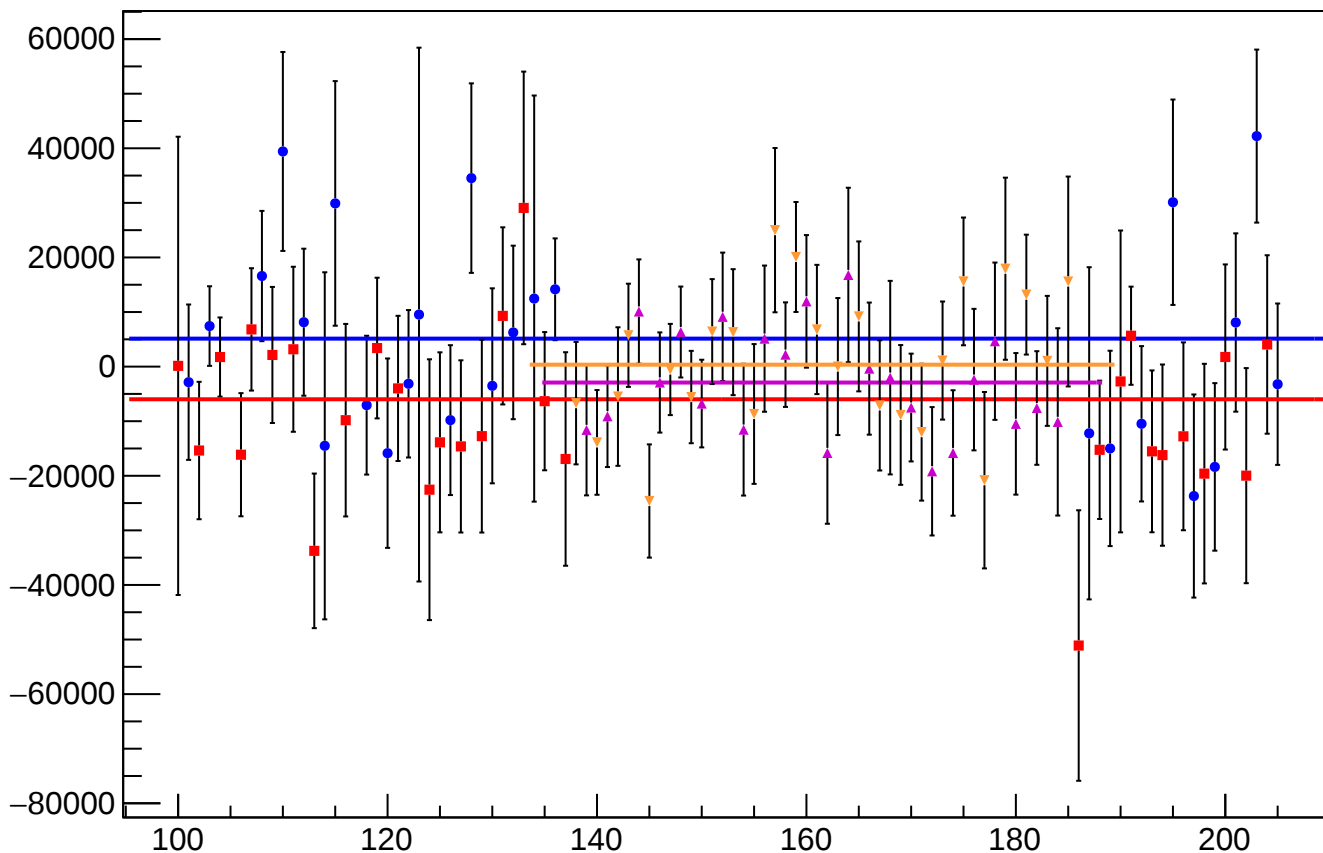
- sign 137.884 ± 194.234 χ^2/NDF : 47.3/52

asym_atr2_correction_rms vs Slug



Right In: 9511.194+/-1.974	χ^2/NDF : 2526214.4/25	+ sign 9304.368+/-1.216	χ^2/NDF : 3720119.1/50
Left Out: 9177.688+/-1.545	χ^2/NDF : 1176195.8/24	All: 310.196+/-0.136	χ^2/NDF : 119468100.8/3
Right Out: 127.624+/-0.138	χ^2/NDF : 26793225.8/29	- sign 195.525+/-0.137	χ^2/NDF : 60374980.6/52
Left In: 9181.254+/-1.586	χ^2/NDF : 1236469.7/22		

asym_atr2_mean vs Slug



Right In: 5128.007 $\pm$ 2923.280 χ^2 /NDF: 29.7/25

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

Right Out: -5981.069 $\pm$ 2629.220 χ^2 /NDF: 21.4/29

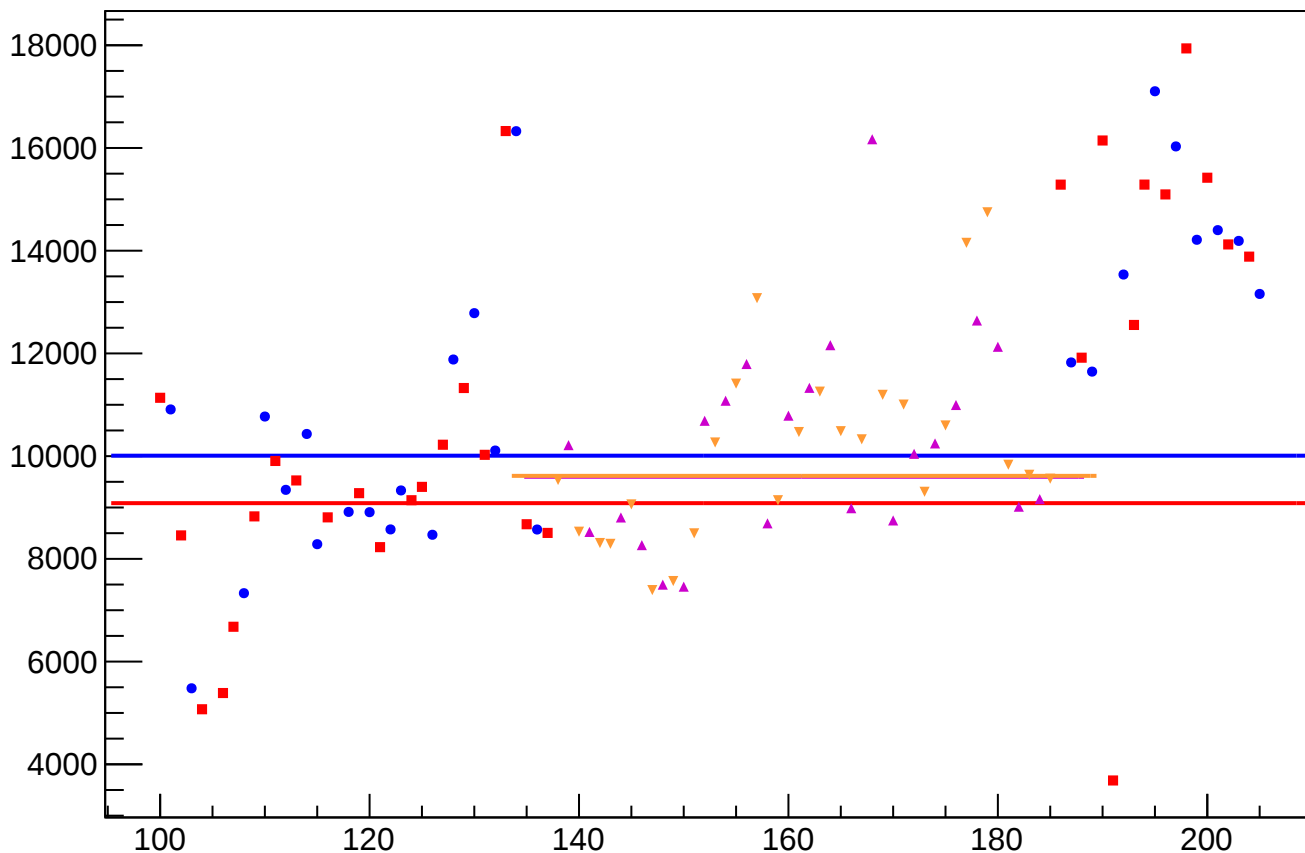
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 2162.404 $\pm$ 1798.657 χ^2 /NDF: 57.6/50

All: -1147.426 $\pm$ 1253.303 χ^2 /NDF: 101.3/10

- sign -4271.063 $\pm$ 1747.333 χ^2 /NDF: 37.1/52

asym_atr2_rms vs Slug



Right In: 10008.874 $\pm$ 2.067 χ^2 /NDF: 2313899.5/25

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

Right Out: 9084.682 $\pm$ 1.859 χ^2 /NDF: 3848763.3/29

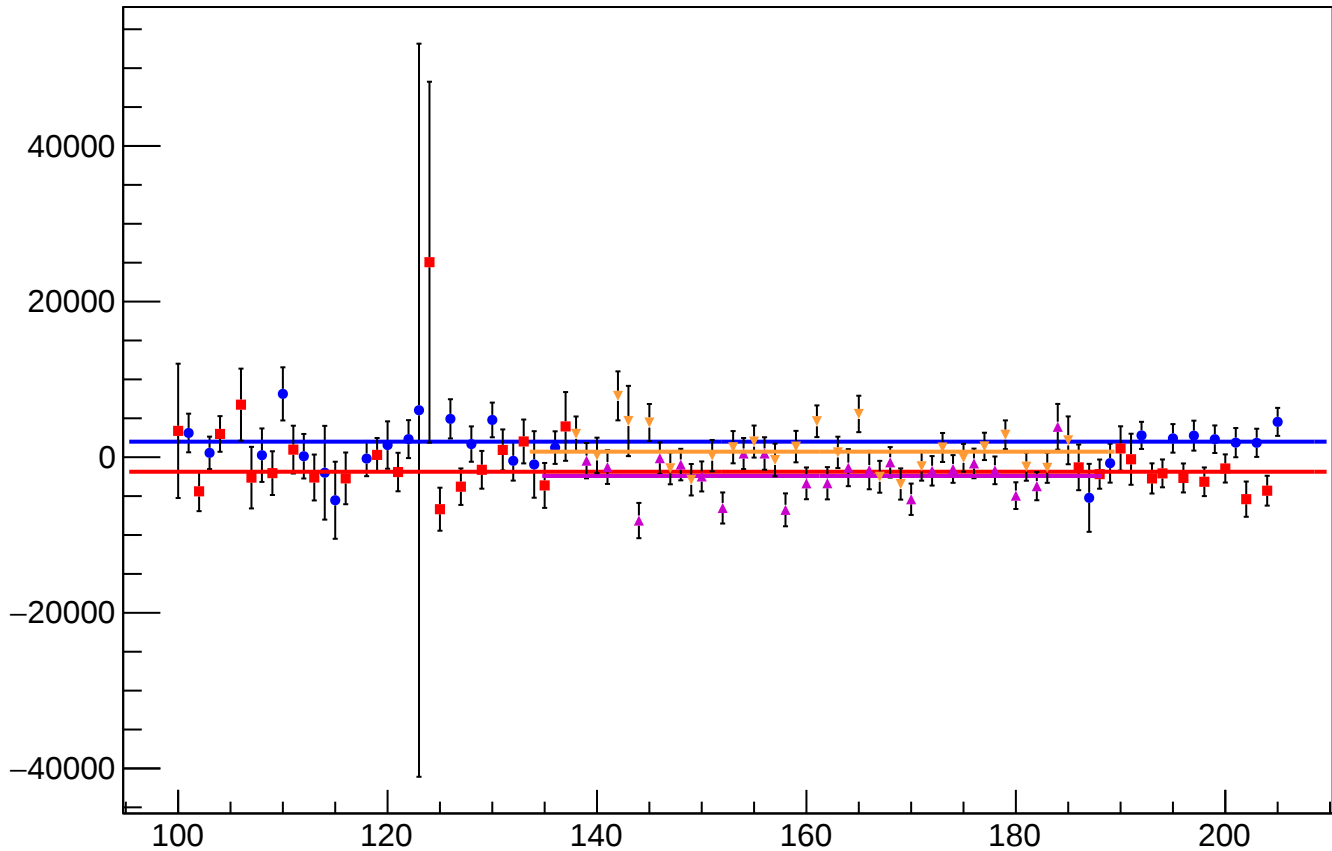
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9764.886 $\pm$ 1.272 χ^2 /NDF: 3347985.3/50

All: 9562.534 $\pm$ 0.886 χ^2 /NDF: 8370775.6/10

- sign 9371.571 $\pm$ 1.236 χ^2 /NDF: 4973588.5/52

reg_asym_atl_avg_mean vs Slug



Right In: 1996.976 ± 469.418 χ^2/NDF : 19.2/25

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

Right Out: -1869.262 ± 458.523 χ^2/NDF : 27.9/29

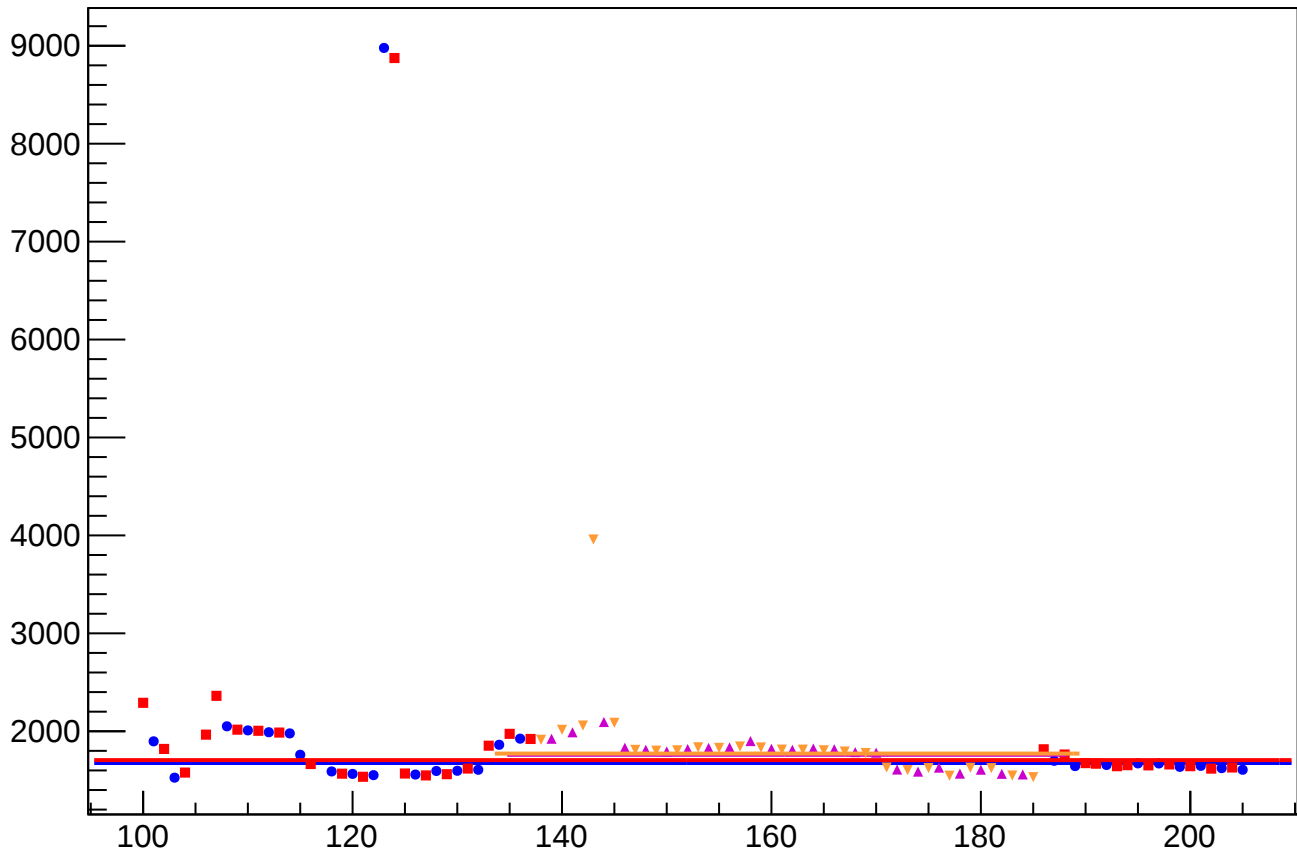
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1278.067 ± 311.913 χ^2/NDF : 58.2/50

All: -447.316 ± 220.266 χ^2/NDF : 181.9/103

- sign -2163.650 ± 311.094 χ^2/NDF : 62.7/52

reg_asym_atl_avg_rms vs Slug



Right In: 1676.017 $\pm$ 0.332 χ^2 /NDF: 207134.5/25

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

Right Out: 1705.316 $\pm$ 0.324 χ^2 /NDF: 424534.2/29

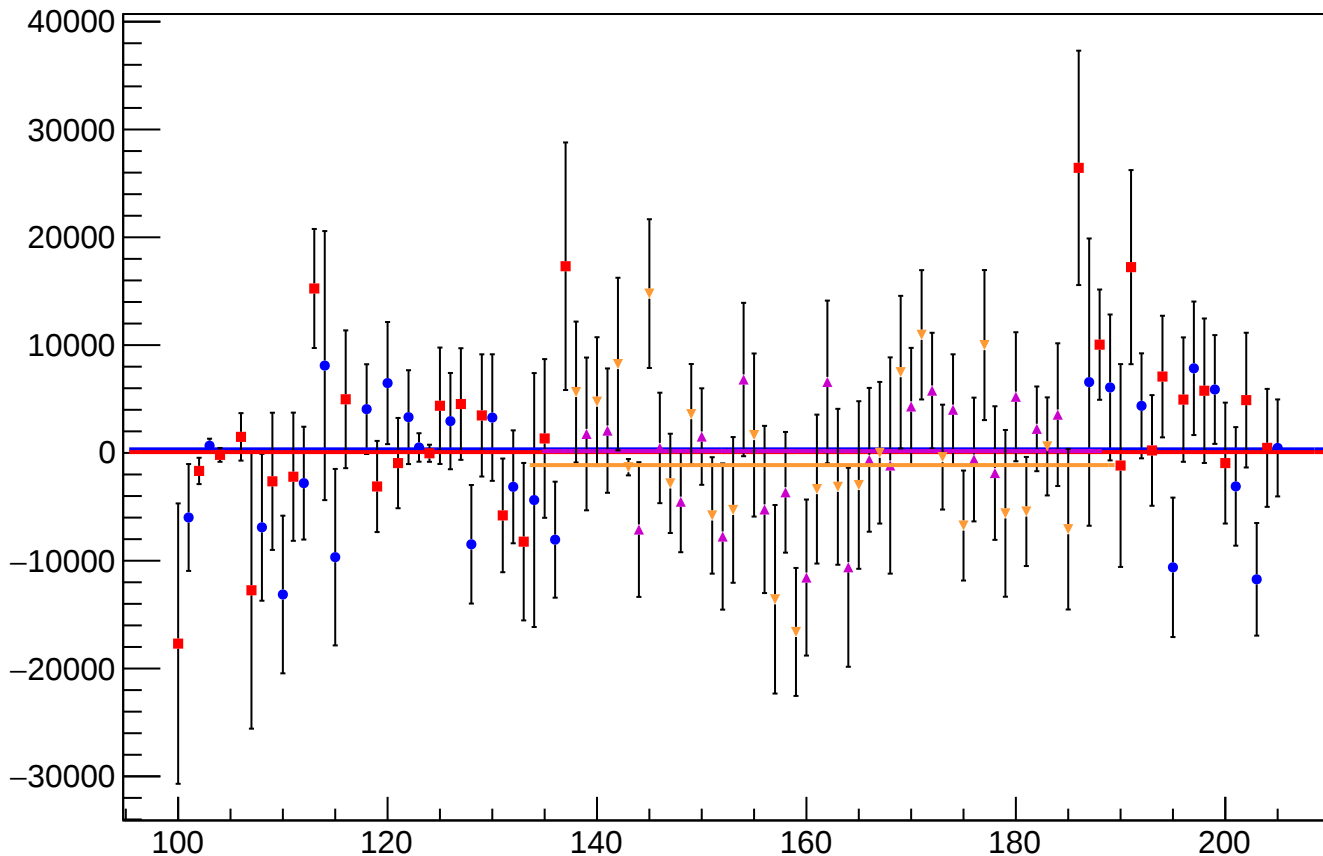
Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

+ sign 1729.647 $\pm$ 0.221 χ^2 /NDF: 956350.7/50

All: 1732.110 $\pm$ 0.156 χ^2 /NDF: 1611187.1/10

- sign 1734.555 $\pm$ 0.220 χ^2 /NDF: 654587.9/52

asym_atl_avg_correction_mean vs Slug



Right In: 331.375+/-519.945 χ^2/NDF : 30.2/25

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

Right Out: 76.034+/-422.580 χ^2/NDF : 38.1/29

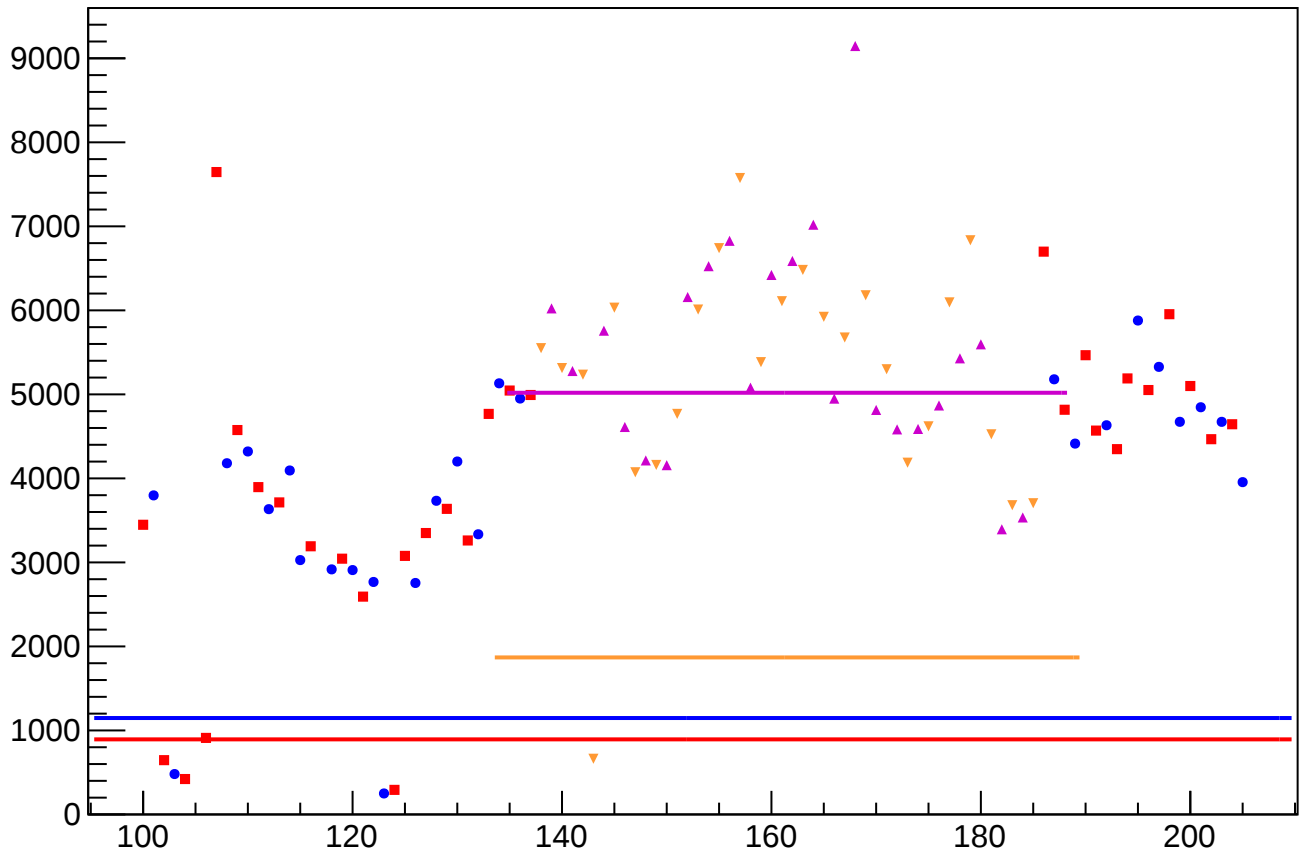
Left In: 168.182+/-1232.411 χ^2/NDF :14.2/22

+ sign -241.344+/-405.439 χ^2/NDF : 64.8/50

All: -75.490+/-284.650 χ^2/NDF : 117.4/103

- sign 85.729+/-399.734 χ^2/NDF : 52.3/52

asym_atl_avg_correction_rms vs Slug



Right In: 1147.760+/-0.368 χ^2/NDF : 15928695.9/25

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

Right Out: 893.717+/-0.299 χ^2/NDF : 18371620.8/29

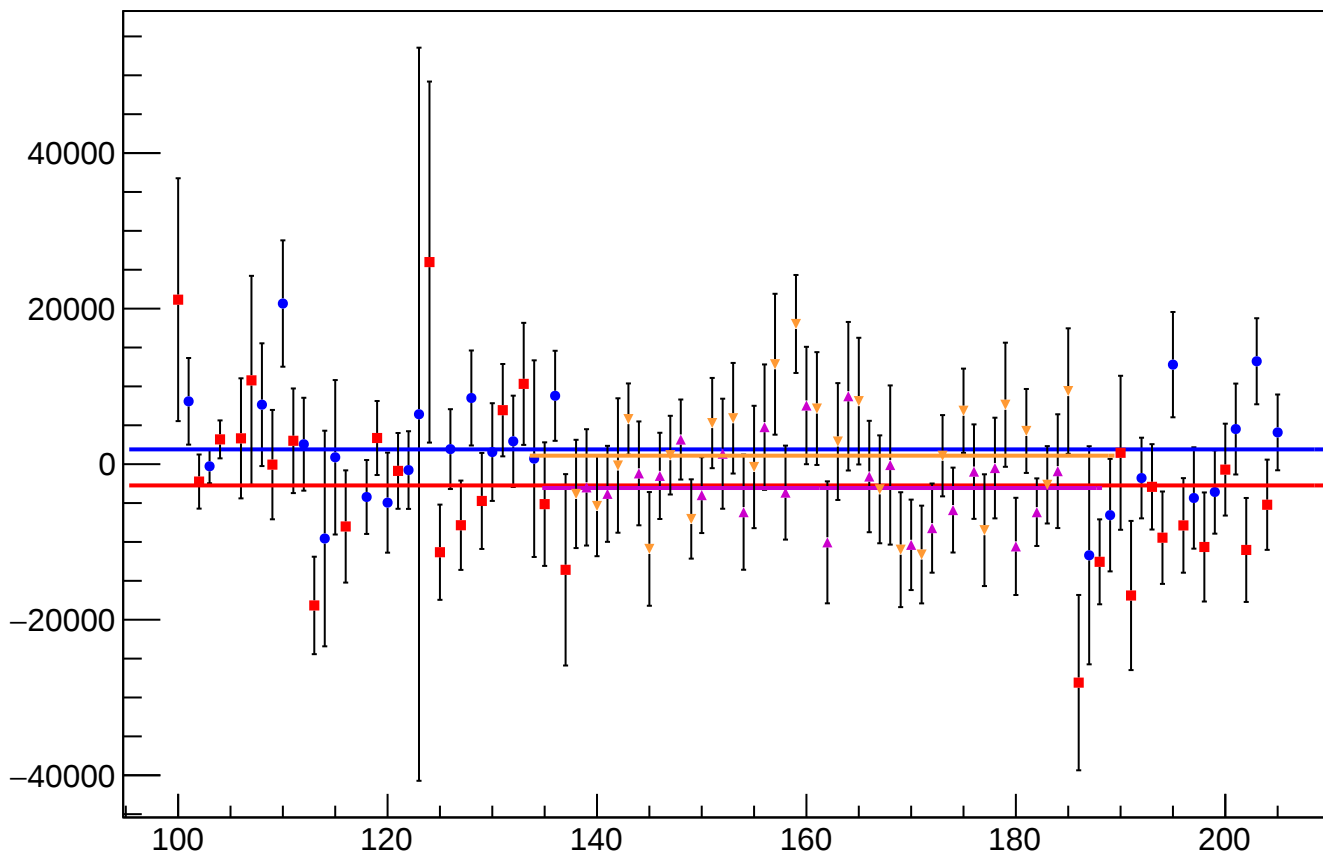
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1430.447+/-0.287 χ^2/NDF : 37289426.4/50

All: 1378.357+/-0.201 χ^2/NDF : 77347959.0/1

- sign 1327.723+/-0.283 χ^2/NDF : 39993428.4/52

asym_atl_avg_mean vs Slug



Right In: 1900.865+/-1100.639 χ^2/NDF : 26.5/25

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

Right Out: -2733.389+/-1081.760 χ^2/NDF : 45.6/29

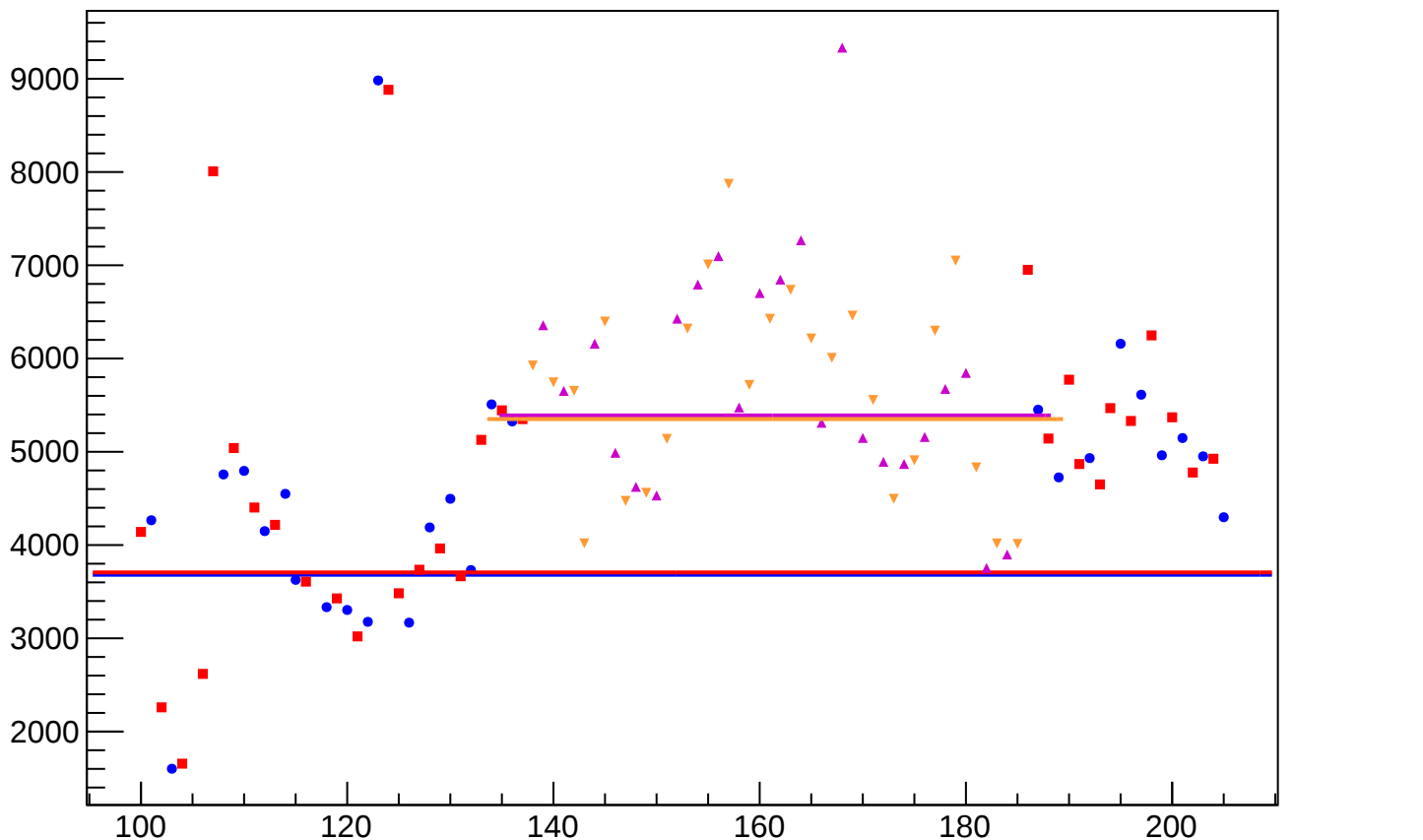
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1555.886+/-832.622 χ^2/NDF : 58.6/50

All: -645.890+/-590.022 χ^2/NDF : 130.9/103

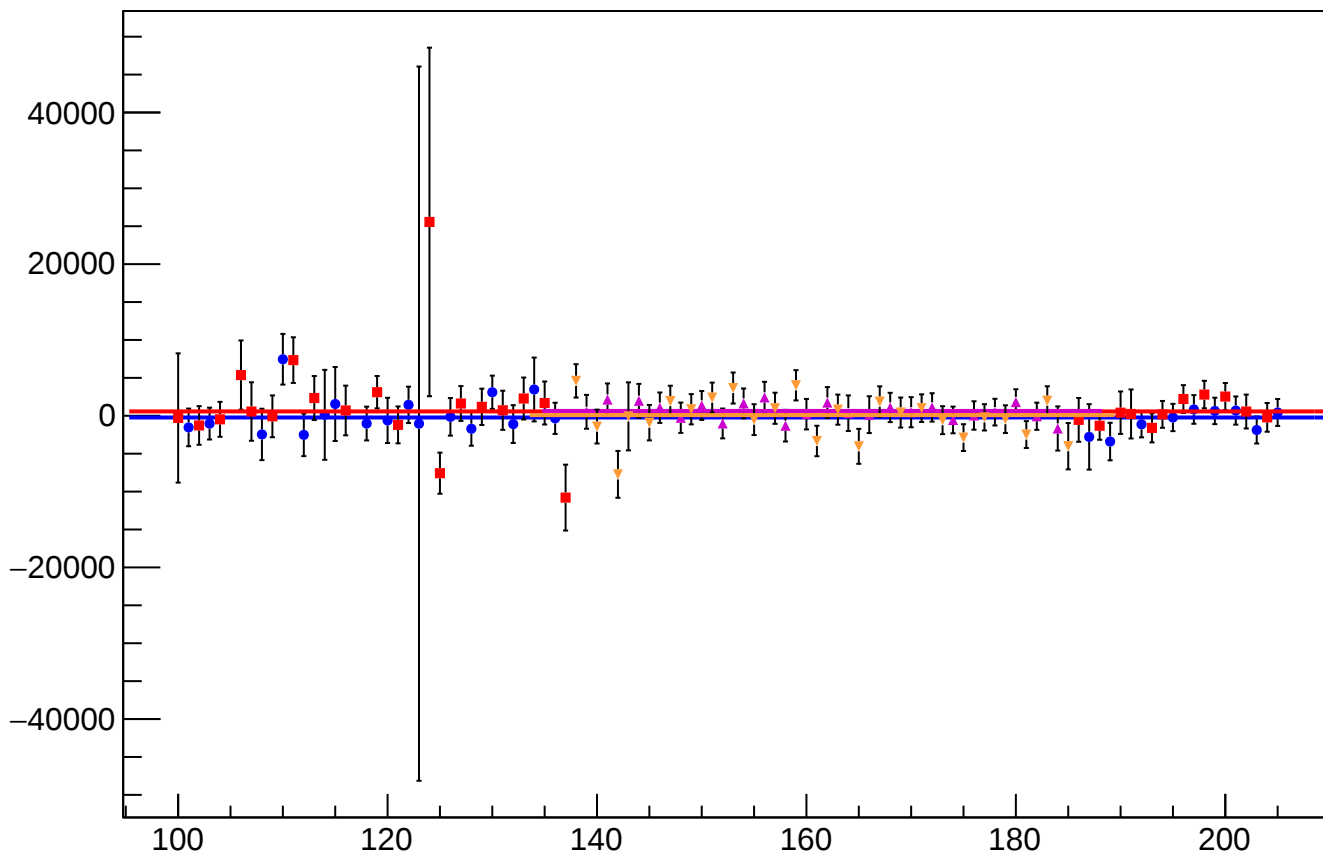
- sign -2866.751+/-836.223 χ^2/NDF : 58.2/52

asym_atl_avg_rms vs Slug



Right In: 3681.661+/-0.778	χ^2/NDF : 3268695.6/25	+ sign 4395.589+/-0.589	χ^2/NDF : 6477586.8/50
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24	All: 4385.542+/-0.416	χ^2/NDF : 13614922.8/100
Right Out: 3706.514+/-0.757	χ^2/NDF : 3861980.6/29	- sign 4375.533+/-0.588	χ^2/NDF : 7136754.7/52
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22		

reg_asym_atl_dd_mean vs Slug



Right In: -225.287 ± 462.772 χ^2/NDF : 15.3/25

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

Right Out: 575.726 ± 451.880 χ^2/NDF : 33.4/29

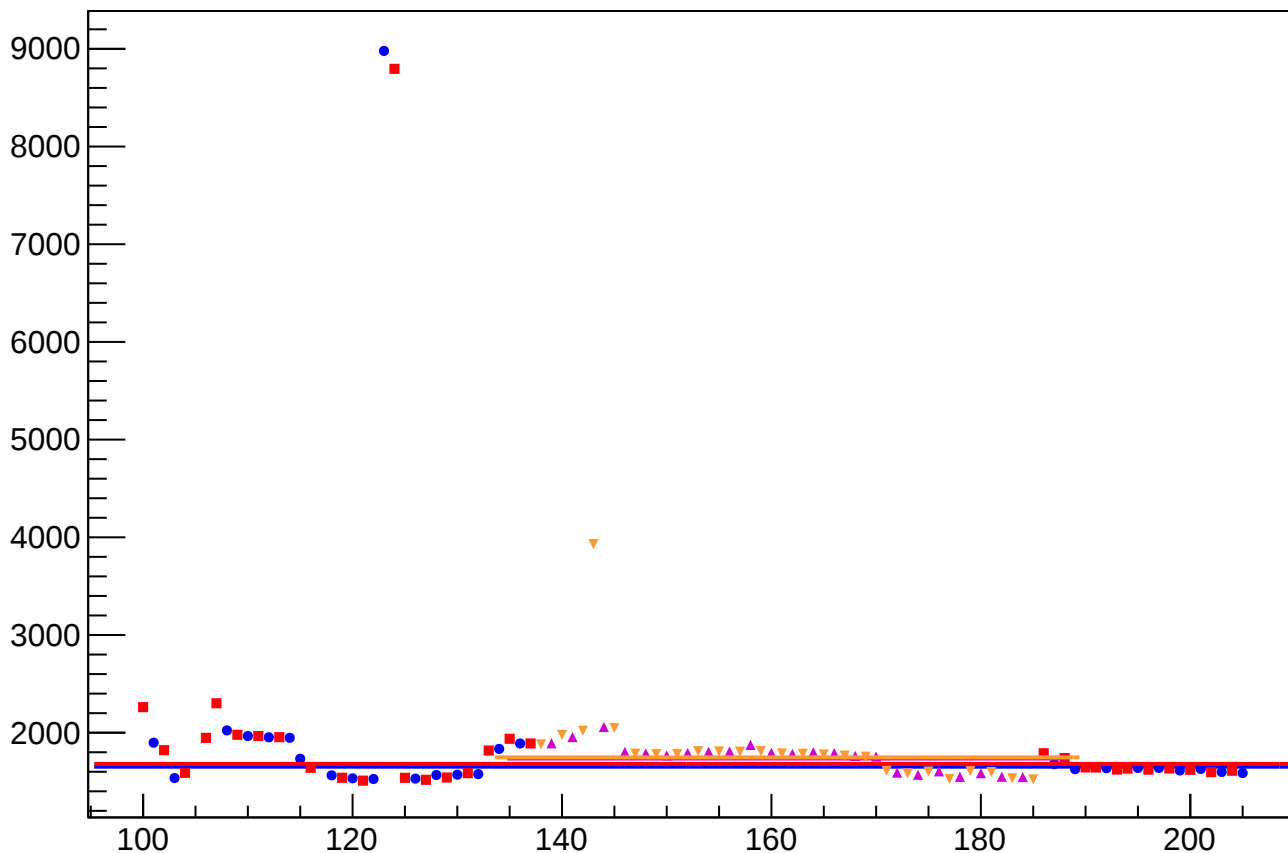
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -51.342 ± 307.523 χ^2/NDF : 51.6/50

All: 280.464 ± 217.163 χ^2/NDF : 93.4/103

- sign 610.516 ± 306.709 χ^2/NDF : 39.5/52

reg_asym_atl_dd_rms vs Slug



Right In: 1652.339+/-0.327 χ^2/NDF : 205337.1/25

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

Right Out: 1680.874+/-0.319 χ^2/NDF : 420910.9/29

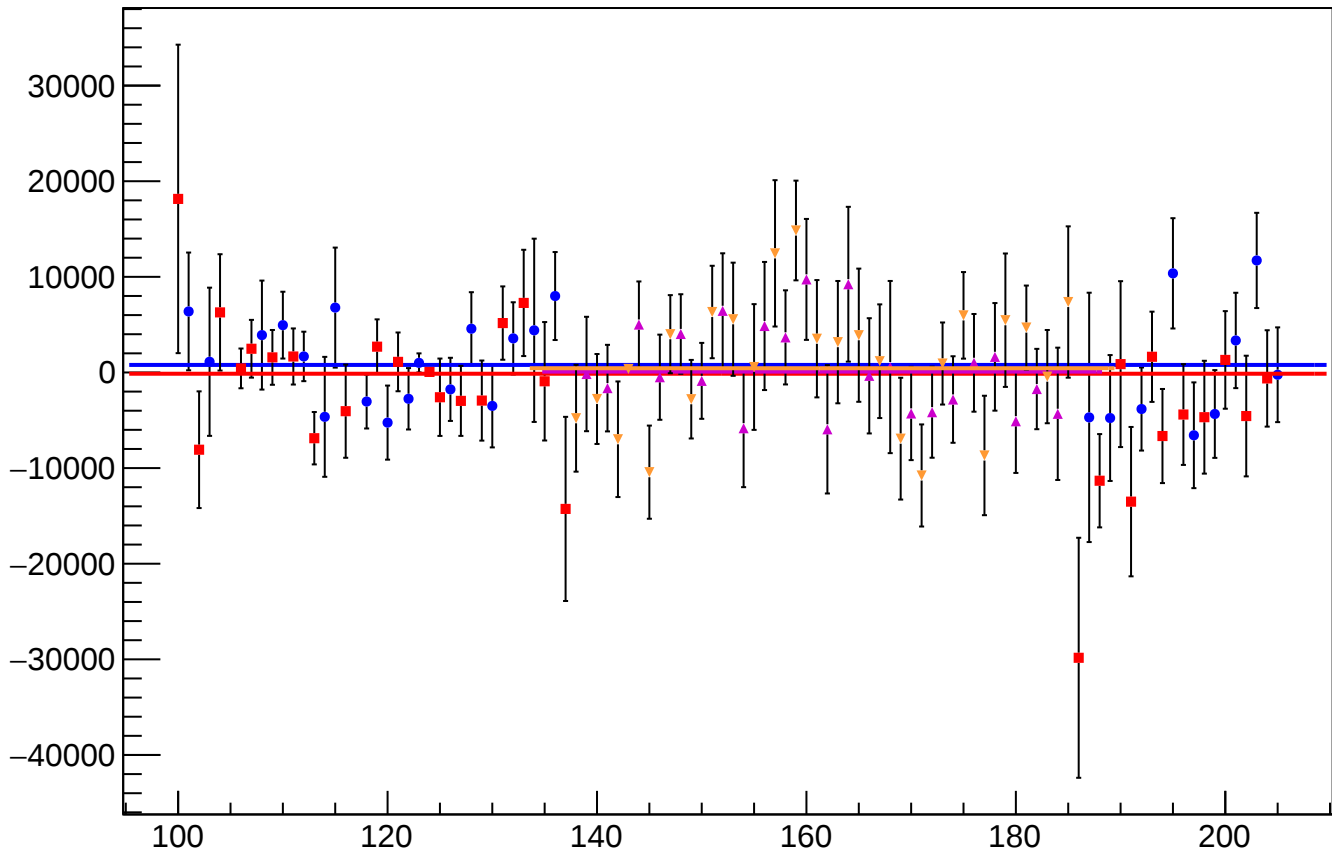
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1705.377+/-0.217 χ^2/NDF : 950576.0/50

All: 1707.848+/-0.153 χ^2/NDF : 1594330.9/10

- sign 1710.301+/-0.217 χ^2/NDF : 643497.6/52

asym_atl_dd_correction_mean vs Slug



Right In: 788.736 $\pm$ 657.246 χ^2 /NDF: 28.5/25

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

Right Out: -132.862 $\pm$ 349.970 χ^2 /NDF: 38.5/29

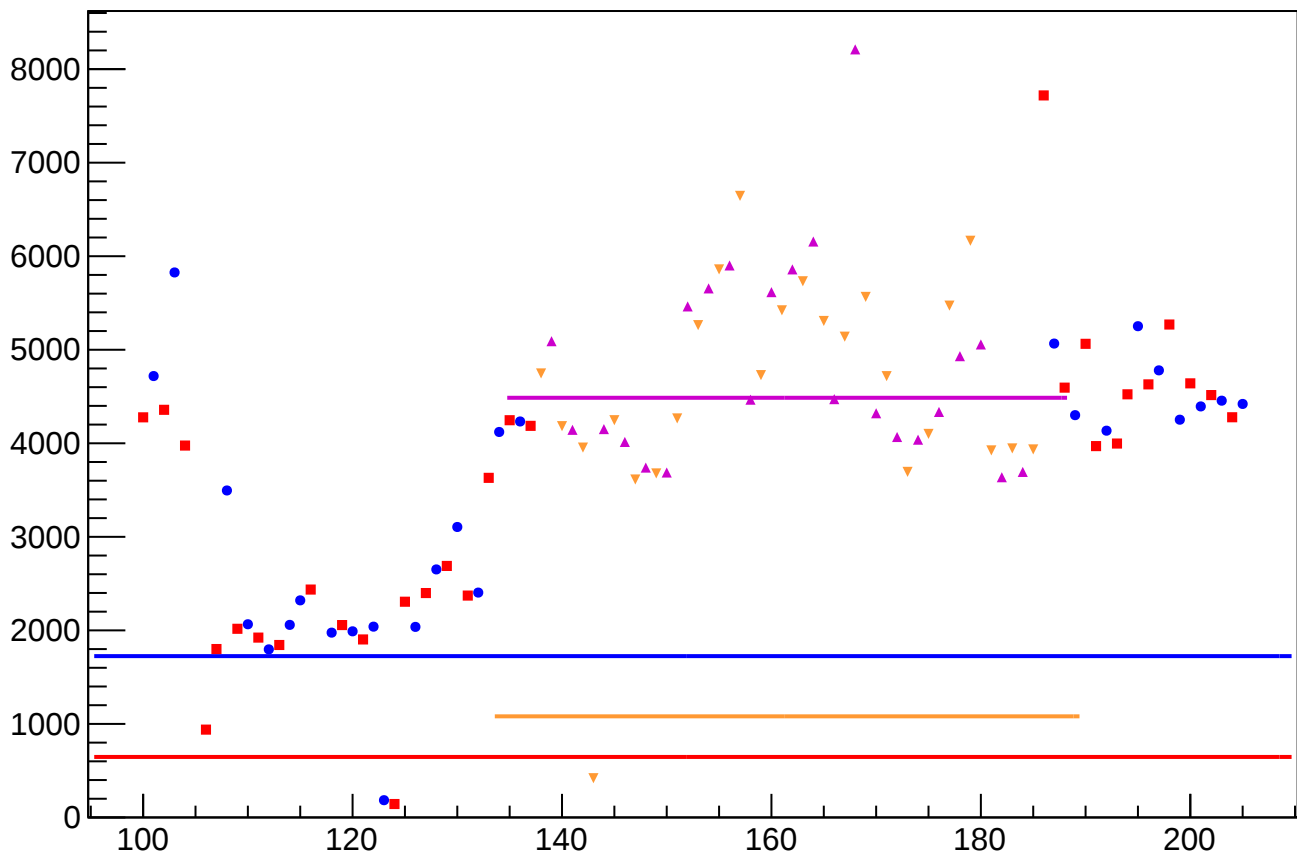
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 549.549 $\pm$ 365.822 χ^2 /NDF: 62.6/50

All: 187.934 $\pm$ 246.397 χ^2 /NDF: 116.4/103

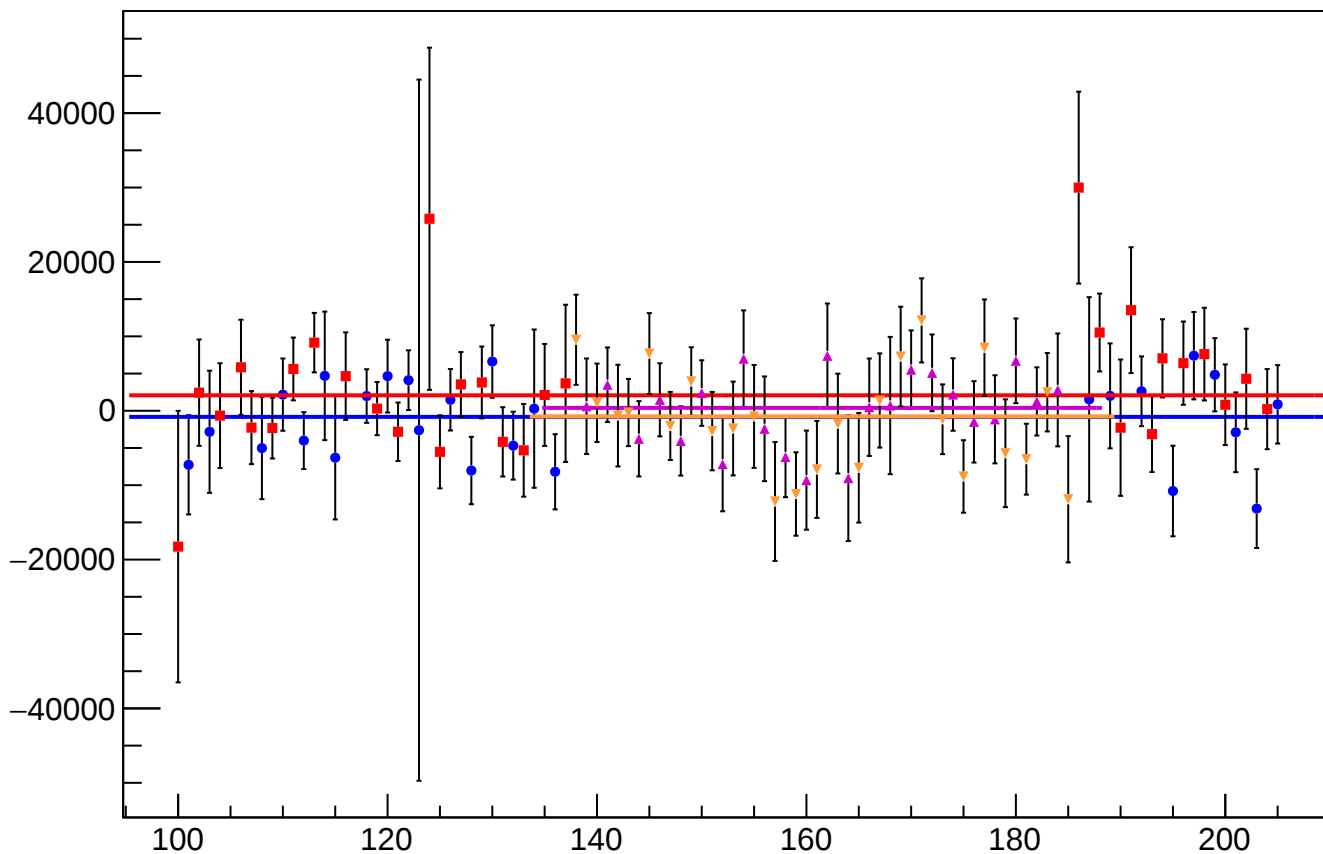
- sign -112.339 $\pm$ 333.353 χ^2 /NDF: 52.0/52

asym_atl_dd_correction_rms vs Slug



Right In: 1724.734+/-0.465	χ^2/NDF : 12033295.9/25	+ sign 1280.432+/-0.259	χ^2/NDF : 37813746.7/50
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1128.790+/-0.174	χ^2/NDF : 82954062.2/1
Right Out: 646.911+/-0.247	χ^2/NDF : 21011278.5/29	- sign 1002.872+/-0.236	χ^2/NDF : 44511291.2/52
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -821.755 ± 1054.586 χ^2/NDF : 27.1/25

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

Right Out: 2078.385 ± 1003.592 χ^2/NDF : 29.4/29

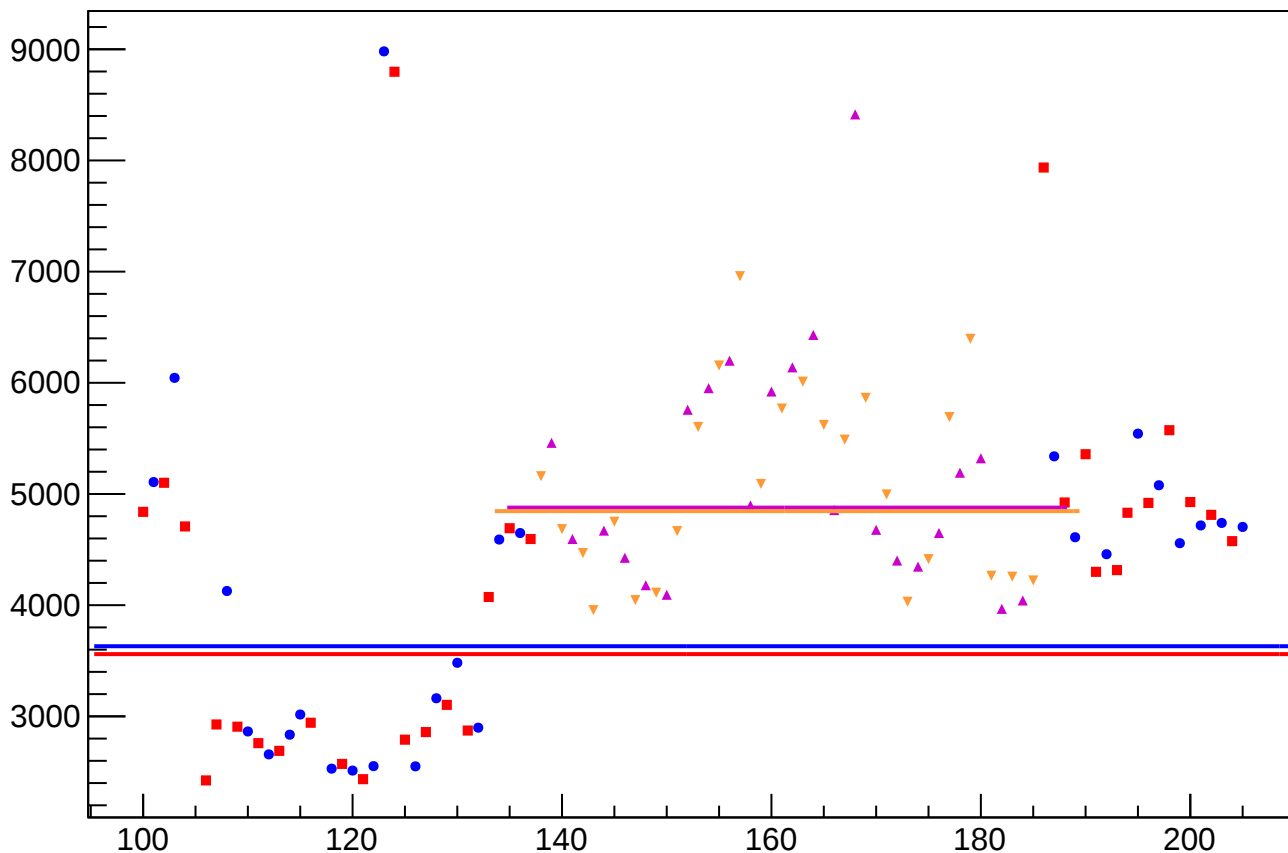
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -796.226 ± 776.438 χ^2/NDF : 57.0/50

All: 303.120 ± 545.366 χ^2/NDF : 105.8/103

- sign 1373.644 ± 766.192 χ^2/NDF : 44.8/52

asym_atl_dd_rms vs Slug



Right In: 3630.685+/-0.746 χ^2/NDF : 2034432.9/25

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

Right Out: 3559.705+/-0.703 χ^2/NDF : 2425224.9/29

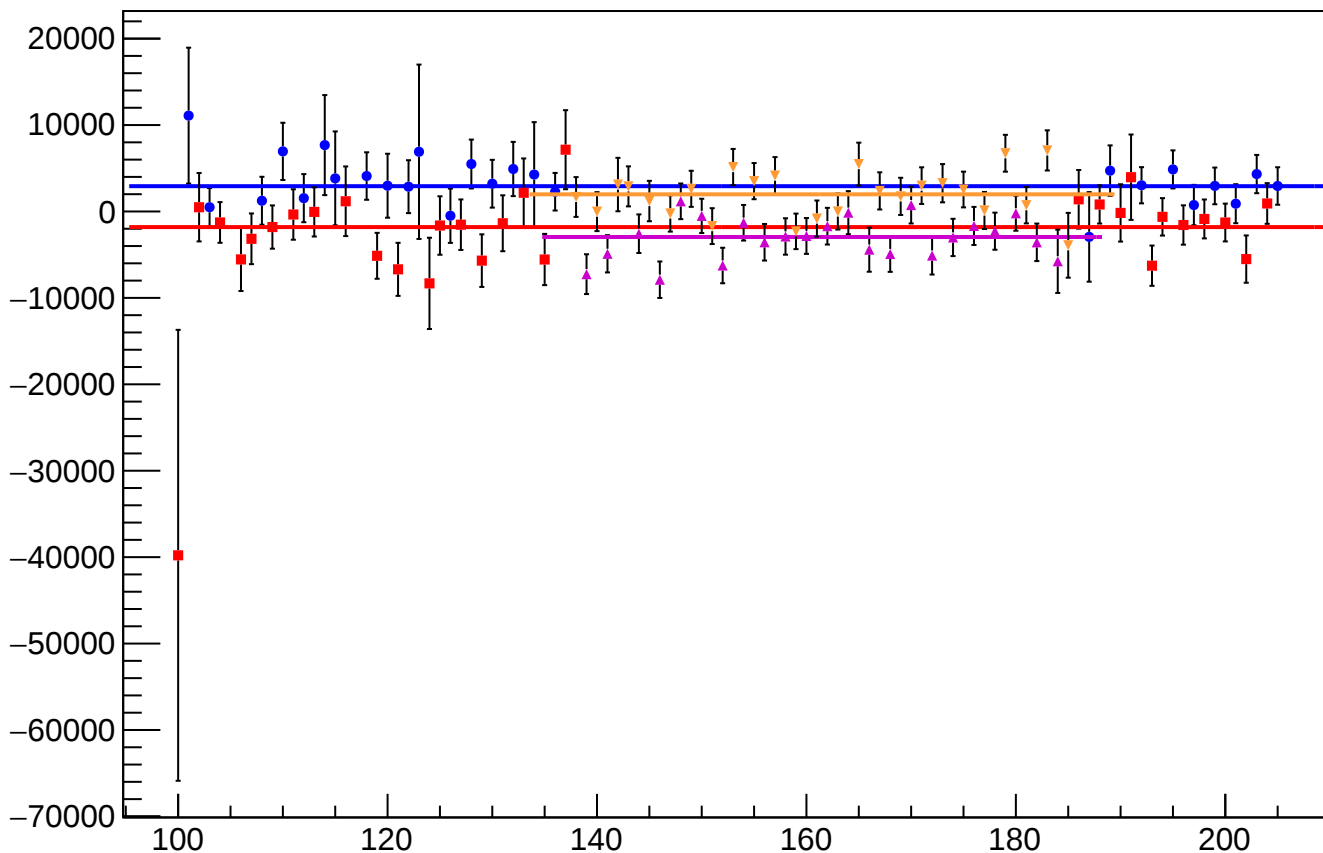
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4187.119+/-0.549 χ^2/NDF : 4159491.2/50

All: 4144.630+/-0.385 χ^2/NDF : 9004161.4/10

- sign 4103.685+/-0.539 χ^2/NDF : 4832909.1/52

reg_asym_atr_avg_mean vs Slug



Right In: 2926.851 $\pm$ 553.883 χ^2 /NDF: 12.5/25

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

Right Out: -1807.348 $\pm$ 530.728 χ^2 /NDF: 30.0/29

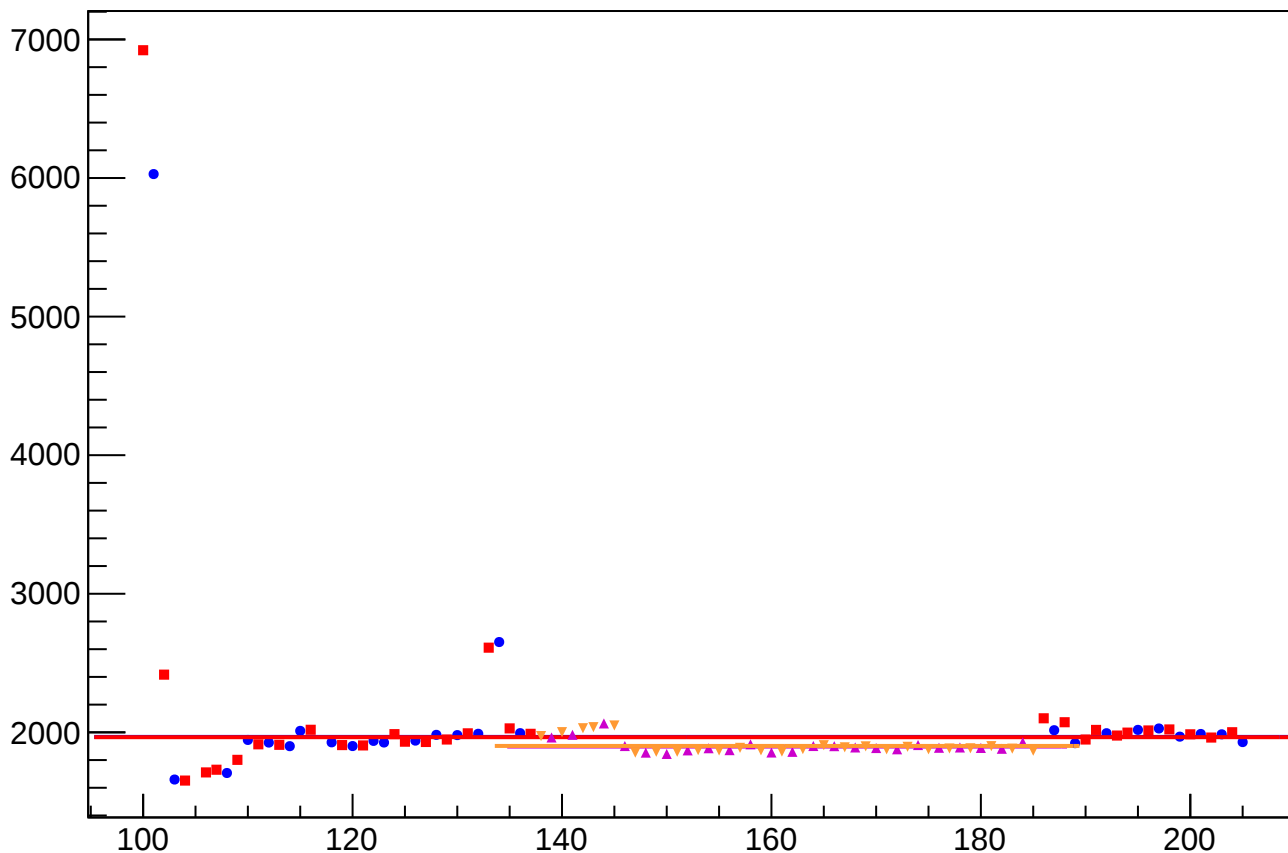
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF: 28.4/22

+ sign 2352.922 $\pm$ 346.048 χ^2 /NDF: 46.7/50

All: -64.150 $\pm$ 244.405 χ^2 /NDF: 205.1/103

- sign -2469.897 $\pm$ 345.236 χ^2 /NDF: 61.1/52

reg_asym_atr_avg_rms vs Slug



Right In: 1967.033+/-0.392 χ^2/NDF : 622434.2/25

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

Right Out: 1965.008+/-0.375 χ^2/NDF : 235235.0/29

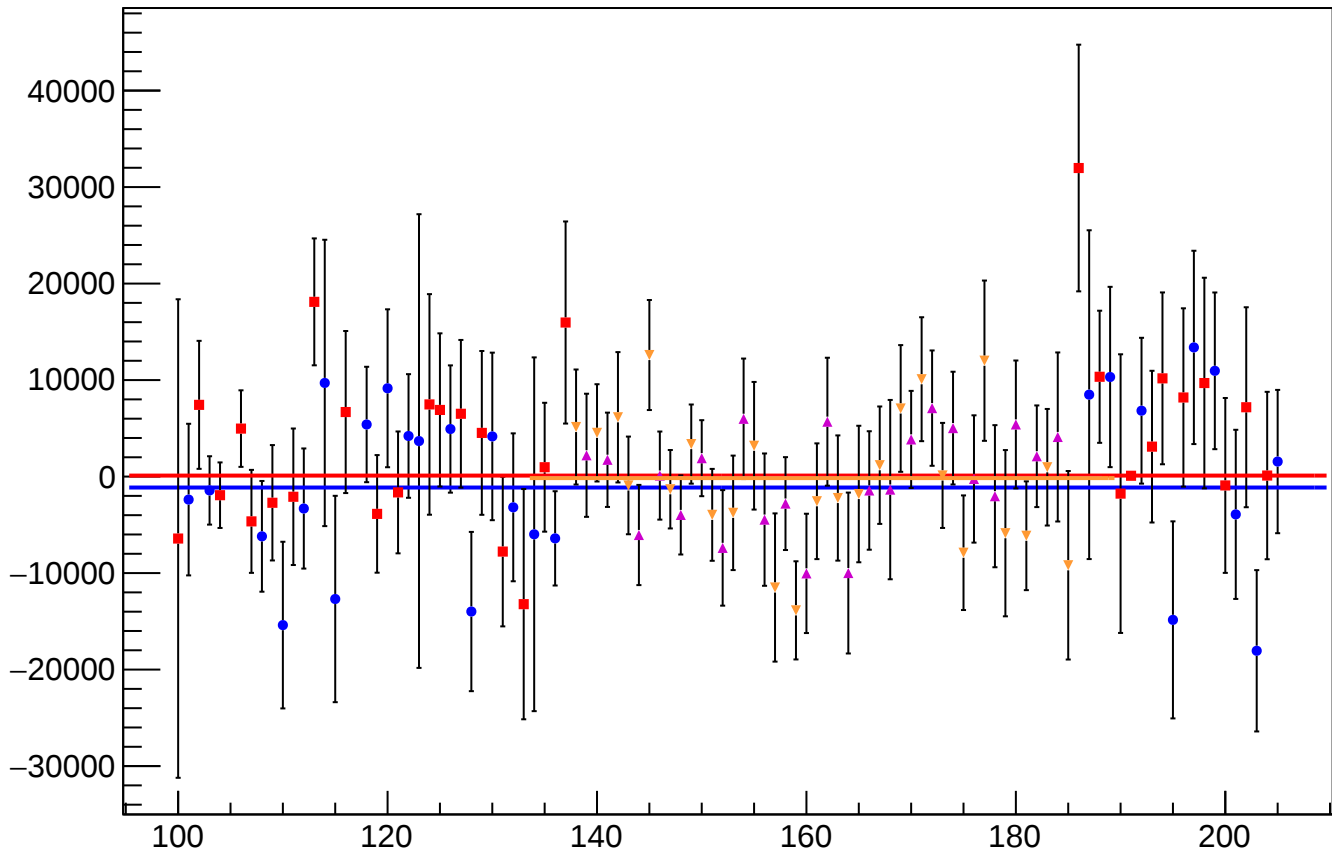
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1927.314+/-0.245 χ^2/NDF : 669750.5/50

All: 1926.695+/-0.173 χ^2/NDF : 944895.3/103

- sign 1926.080+/-0.244 χ^2/NDF : 275132.0/52

asym_atr_avg_correction_mean vs Slug



Right In: -1134.376 ± 1453.488 χ^2/NDF : 27.2/25

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

Right Out: 102.884 ± 109.570 χ^2/NDF : 31.5/29

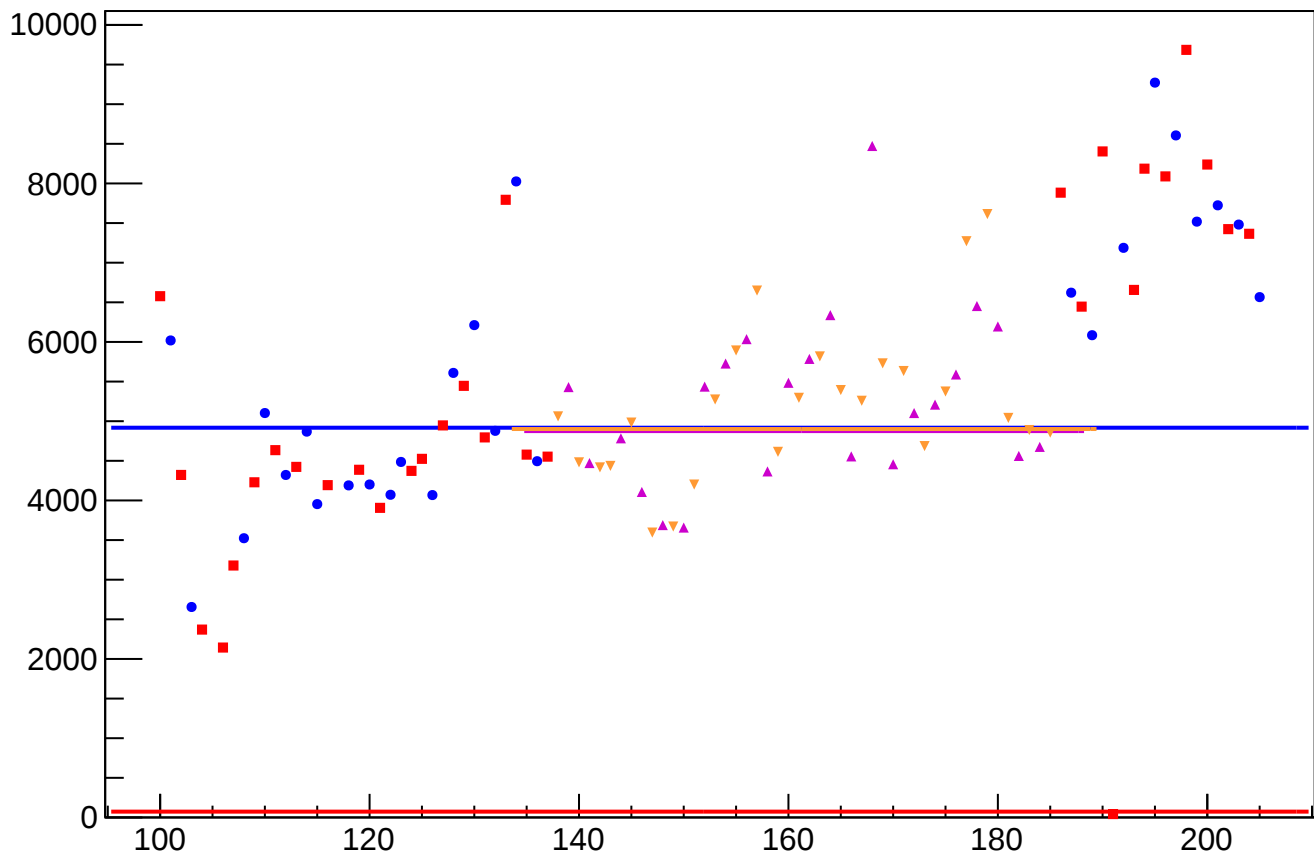
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -539.964 ± 909.439 χ^2/NDF : 57.0/50

All: 91.760 ± 108.332 χ^2/NDF : 103.7/103

- sign 100.853 ± 109.109 χ^2/NDF : 46.3/52

asym_atr_avg_correction_rms vs Slug



Right In: 4917.793+/-1.028 χ^2/NDF : 2816615.4/25

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

Right Out: 73.494+/-0.077 χ^2/NDF : 26834043.5/29

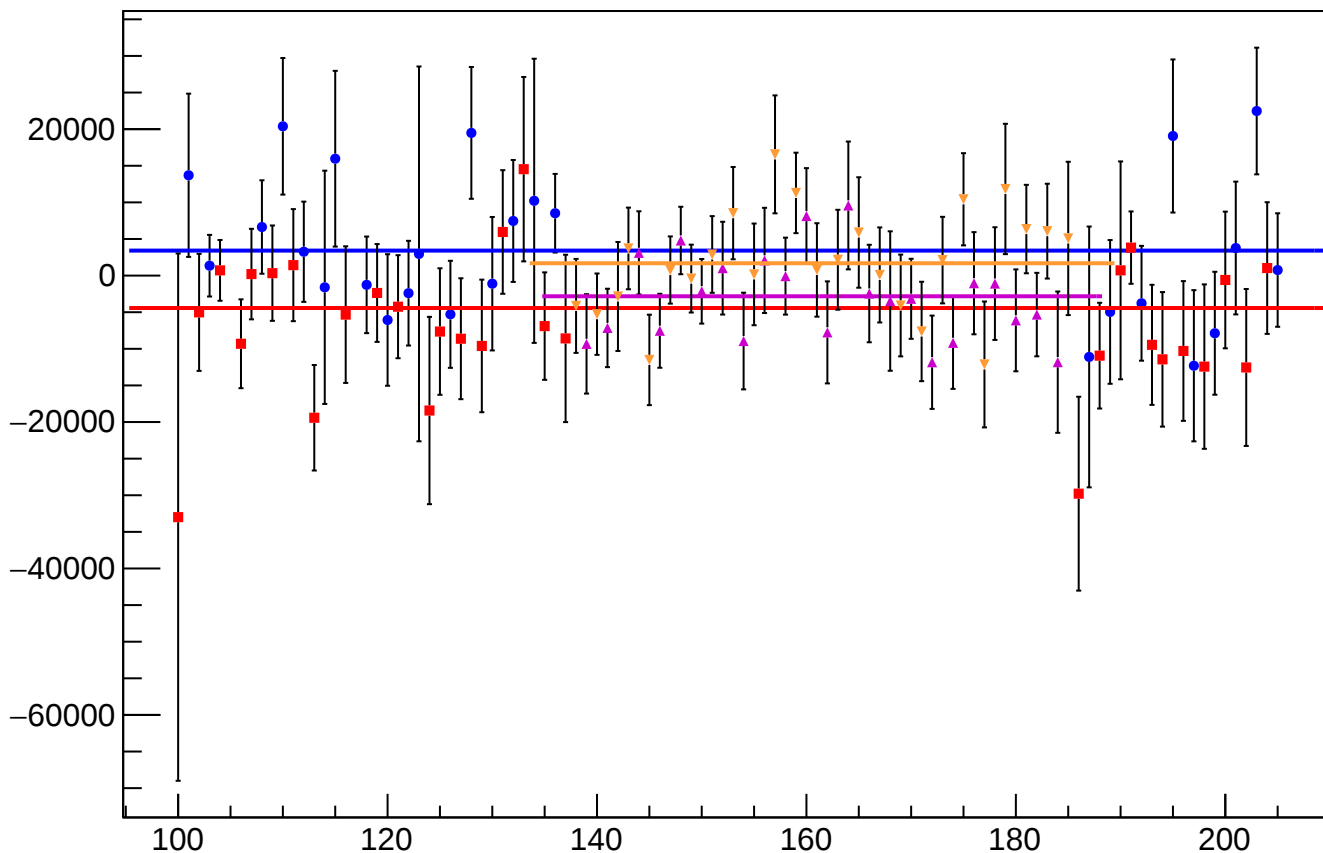
Left In: 4875.112+/-0.842 χ^2/NDF :1229198.0/22

+ sign 4907.791+/-0.643 χ^2/NDF : 3953687.1/50

All: 181.824+/-0.077 χ^2/NDF : 119043618.4/52

- sign 113.800+/-0.077 χ^2/NDF : 60303720.3/52

asym_atr_avg_mean vs Slug



Right In: 3414.389+/-1603.841 χ^2/NDF : 27.8/25

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4428.493+/-1438.453 χ^2/NDF : 25.2/29

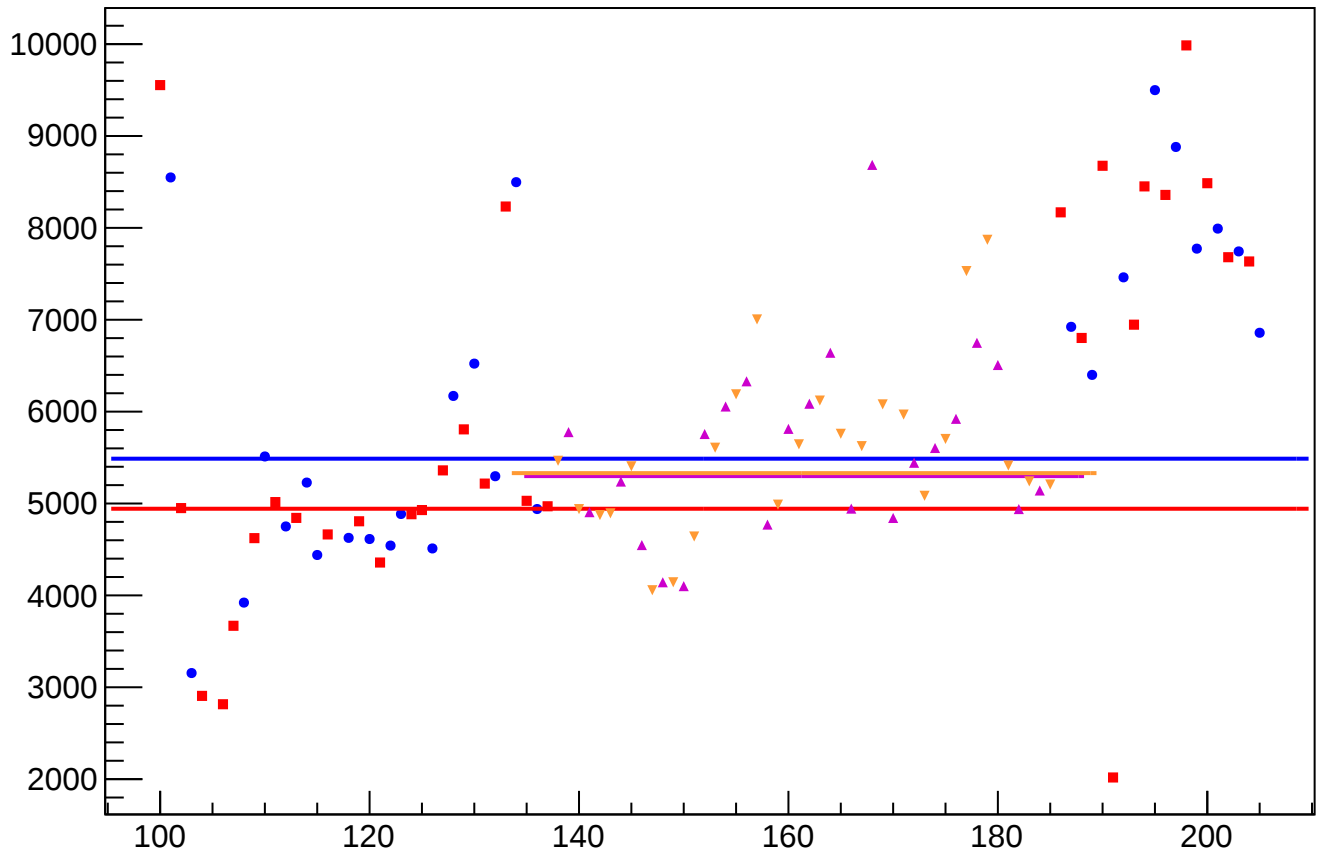
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2347.024+/-991.611 χ^2/NDF : 53.9/50

All: -691.776+/-689.625 χ^2/NDF : 116.1/103

- sign -3538.274+/-959.723 χ^2/NDF : 43.9/52

asym_atr_avg_rms vs Slug



Right In: 5487.777 $\pm$ 1.134 χ^2 /NDF: 2323903.8/25

Left Out: 5330.725 $\pm$ 0.892 χ^2 /NDF: 868061.7/24

Right Out: 4943.037 $\pm$ 1.013 χ^2 /NDF: 3811068.9/29

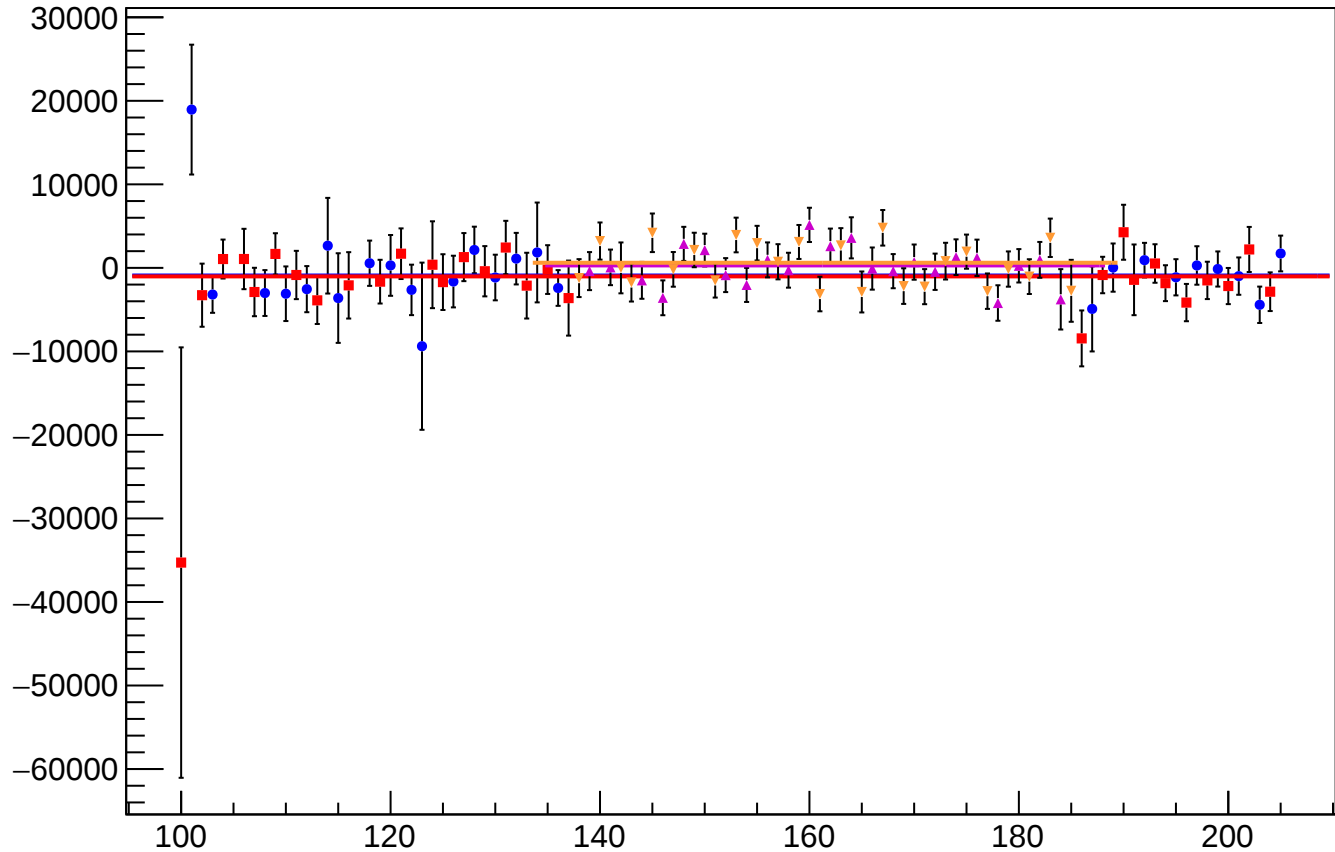
Left In: 5298.329 $\pm$ 0.911 χ^2 /NDF: 956021.6/22

+ sign 5390.760 $\pm$ 0.701 χ^2 /NDF: 3203812.2/50

All: 5260.781 $\pm$ 0.487 χ^2 /NDF: 8105342.2/10

- sign 5139.465 $\pm$ 0.677 χ^2 /NDF: 4835094.1/52

reg_asym_atr_dd_mean vs Slug



Right In: -913.156 ± 546.676 χ^2/NDF : 19.5/25

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -1020.991 ± 523.149 χ^2/NDF : 21.7/29

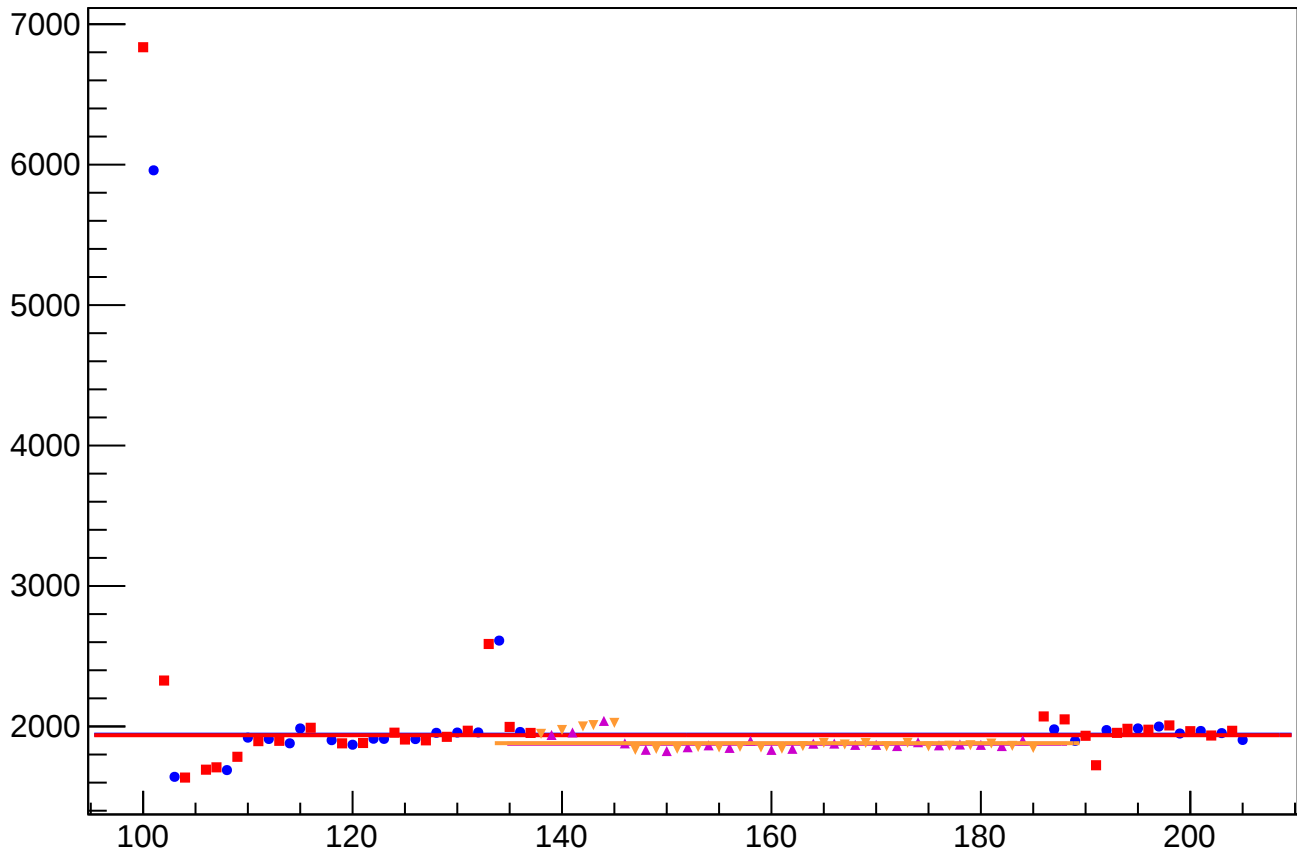
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 15.477 ± 341.945 χ^2/NDF : 56.9/50

All: -125.248 ± 241.446 χ^2/NDF : 106.3/103

- sign -265.170 ± 340.969 χ^2/NDF : 49.0/52

reg_asym_atr_dd_rms vs Slug



Right In: 1941.550 $\pm$ 0.387 χ^2 /NDF: 620802.8/25

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1937.495 $\pm$ 0.369 χ^2 /NDF: 234164.3/29

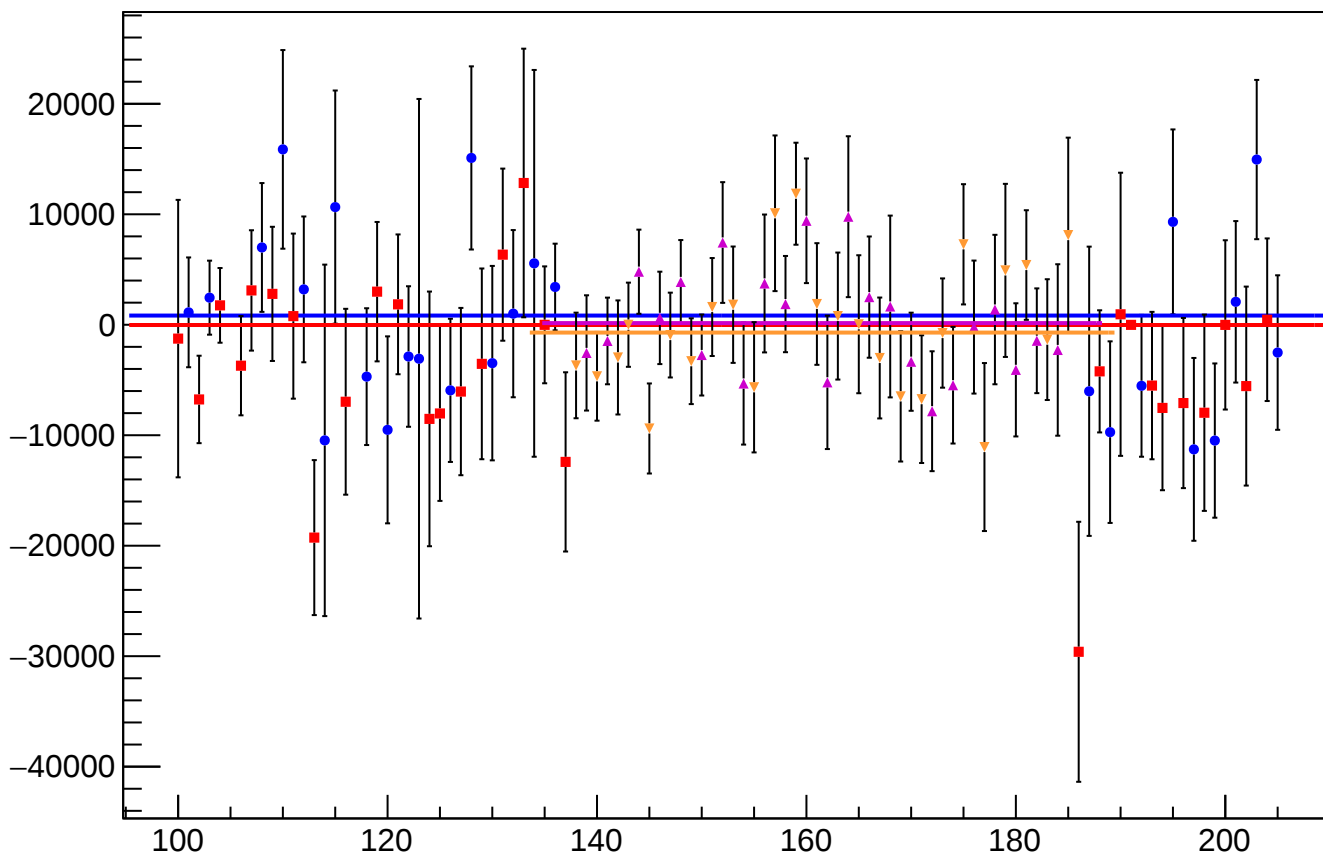
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1904.573 $\pm$ 0.242 χ^2 /NDF: 664488.9/50

All: 1903.559 $\pm$ 0.171 χ^2 /NDF: 934752.6/103

- sign 1902.551 $\pm$ 0.241 χ^2 /NDF: 270228.5/52

asym_atr_dd_correction_mean vs Slug



Right In: 832.456 ± 1331.972 χ^2/NDF : 25.9/25

Left Out: -707.785 ± 1017.719 χ^2/NDF : 27.1/24

Right Out: -22.836 ± 85.804 χ^2/NDF : 30.1/29

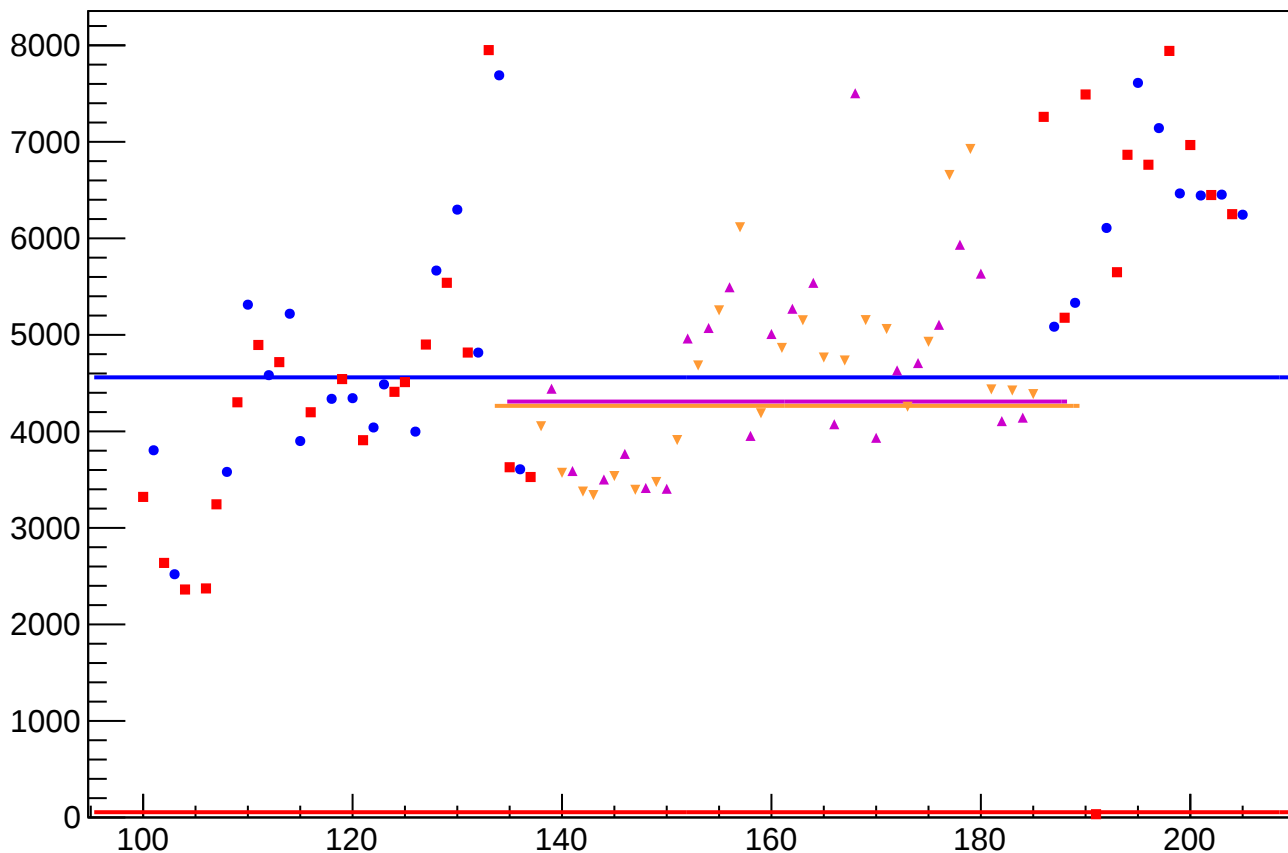
Left In: 150.495 ± 1053.655 χ^2/NDF : 16.9/22

+ sign -140.041 ± 808.681 χ^2/NDF : 53.9/50

All: -23.003 ± 85.047 χ^2/NDF : 100.9/103

- sign -21.694 ± 85.521 χ^2/NDF : 47.0/52

asym_atr_dd_correction_rms vs Slug



Right In: 4559.879+/-0.942 χ^2/NDF : 2333550.3/25

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 54.331+/-0.061 χ^2/NDF : 26977567.1/29

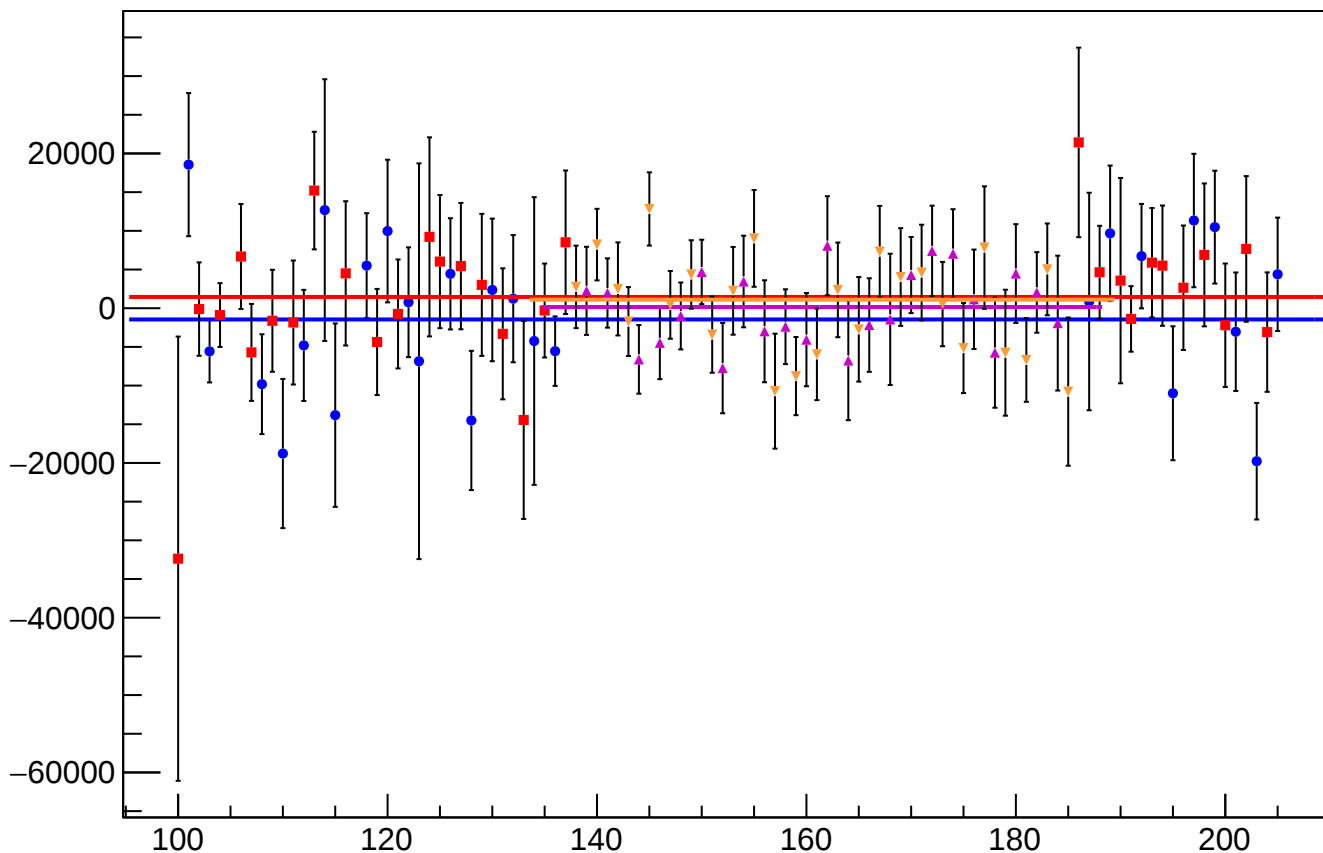
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4373.337+/-0.572 χ^2/NDF : 3750580.2/50

All: 129.820+/-0.060 χ^2/NDF : 120117403.2/52

- sign 82.361+/-0.060 χ^2/NDF : 60679405.8/52

asym_atr_dd_mean vs Slug



Right In: -1452.951 ± 1502.406 χ^2/NDF : 35.1/25

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1455.058 ± 1345.631 χ^2/NDF : 17.1/29

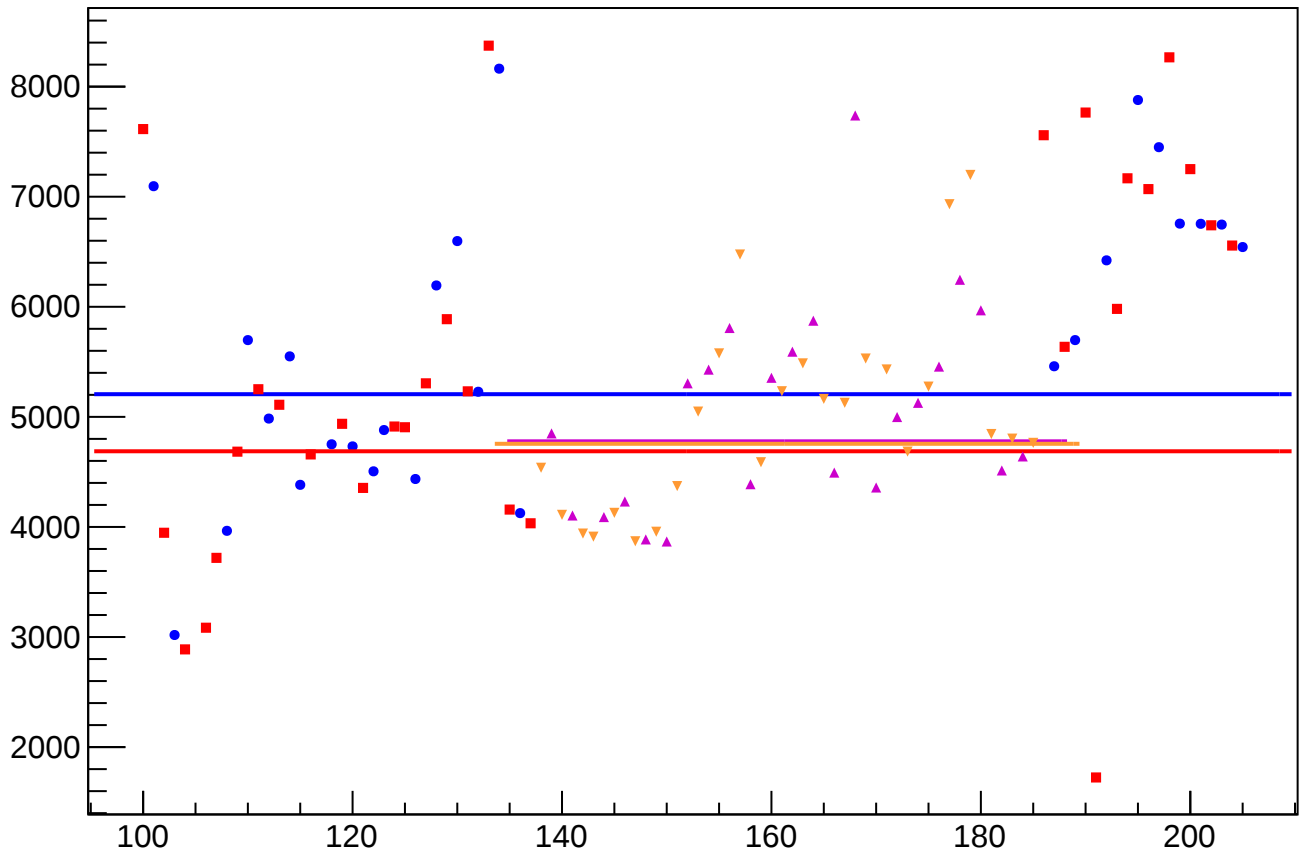
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 182.496 ± 901.371 χ^2/NDF : 65.5/50

All: 453.912 ± 629.402 χ^2/NDF : 98.9/103

- sign 712.176 ± 879.259 χ^2/NDF : 33.2/52

asym_atr_dd_rms vs Slug



Right In: 5206.003+/-1.062 χ^2/NDF : 1780588.0/25

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4687.456+/-0.948 χ^2/NDF : 3294299.5/29

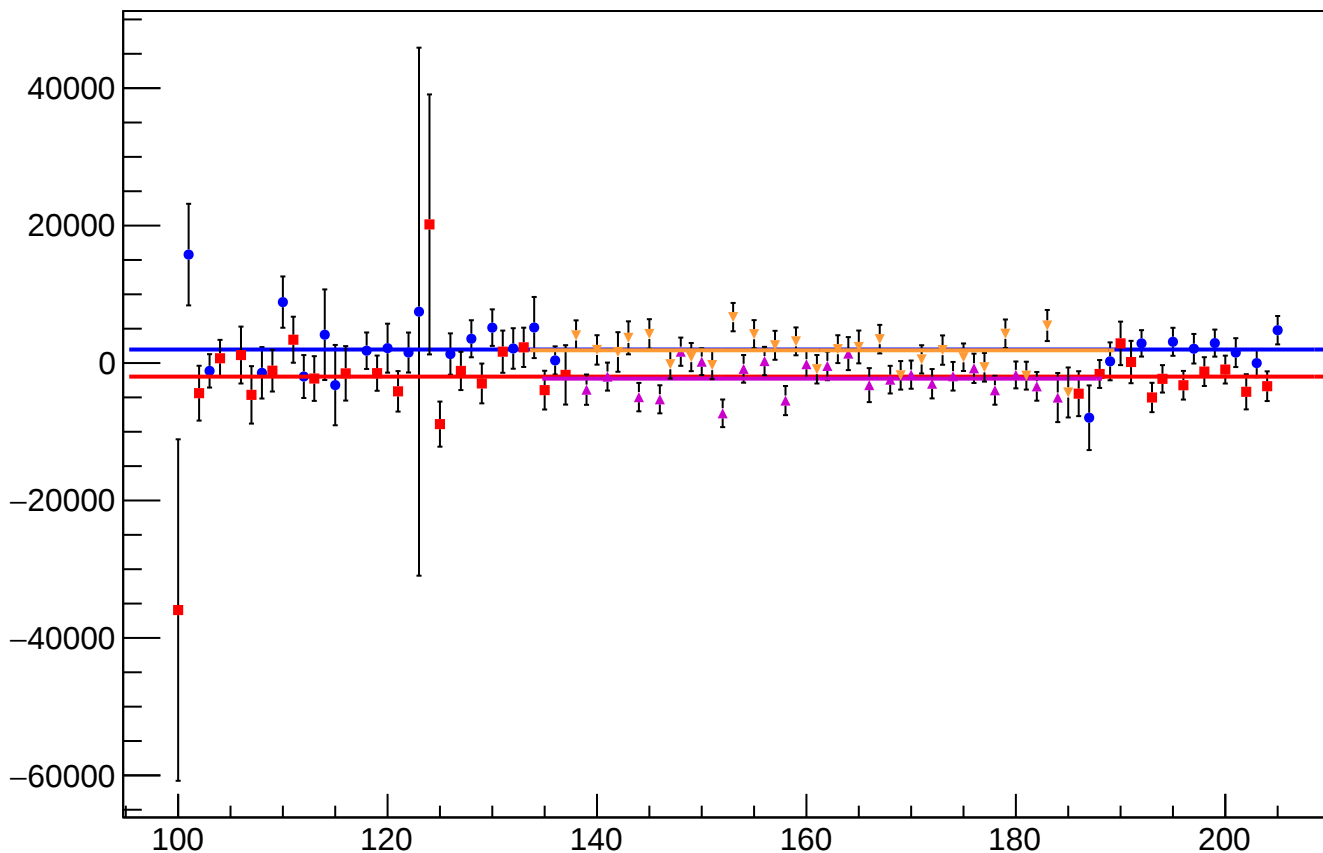
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4917.580+/-0.637 χ^2/NDF : 2849074.3/50

All: 4825.983+/-0.445 χ^2/NDF : 7139101.4/10

- sign 4739.089+/-0.621 χ^2/NDF : 4249781.3/52

reg_asym_at1_avg_mean vs Slug



Right In: 1967.624 ± 535.877 χ^2/NDF : 23.3/25

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

Right Out: -1975.489 ± 514.766 χ^2/NDF : 24.9/29

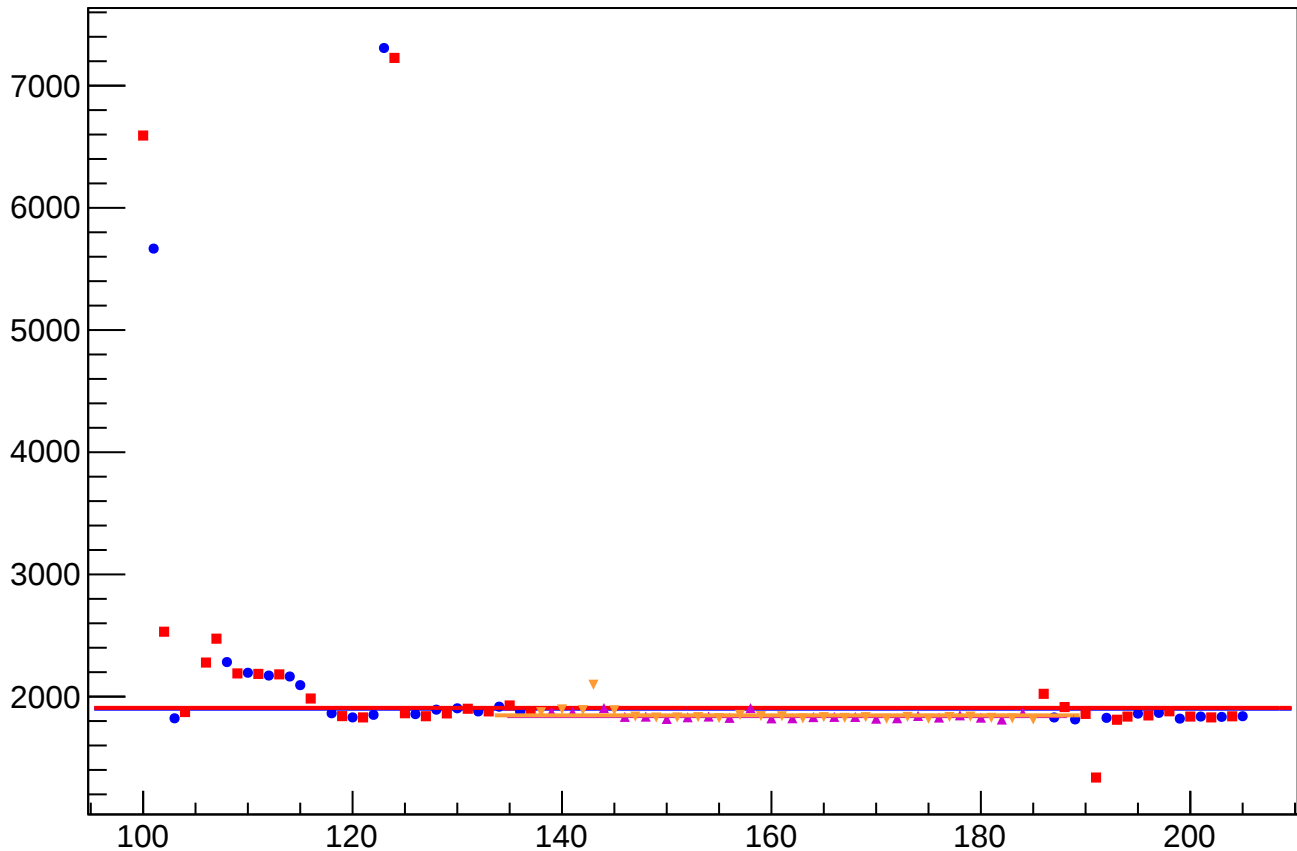
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1900.188 ± 335.840 χ^2/NDF : 53.3/50

All: -125.774 ± 237.254 χ^2/NDF : 177.9/103

- sign -2144.224 ± 335.216 χ^2/NDF : 52.0/52

reg_asym_at1_avg_rms vs Slug



Right In: 1901.001 $\pm$ 0.379 χ^2 /NDF: 633004.6/25

Left Out: 1846.602 $\pm$ 0.305 χ^2 /NDF: 27302.8/24

Right Out: 1907.894 $\pm$ 0.364 χ^2 /NDF: 468938.0/29

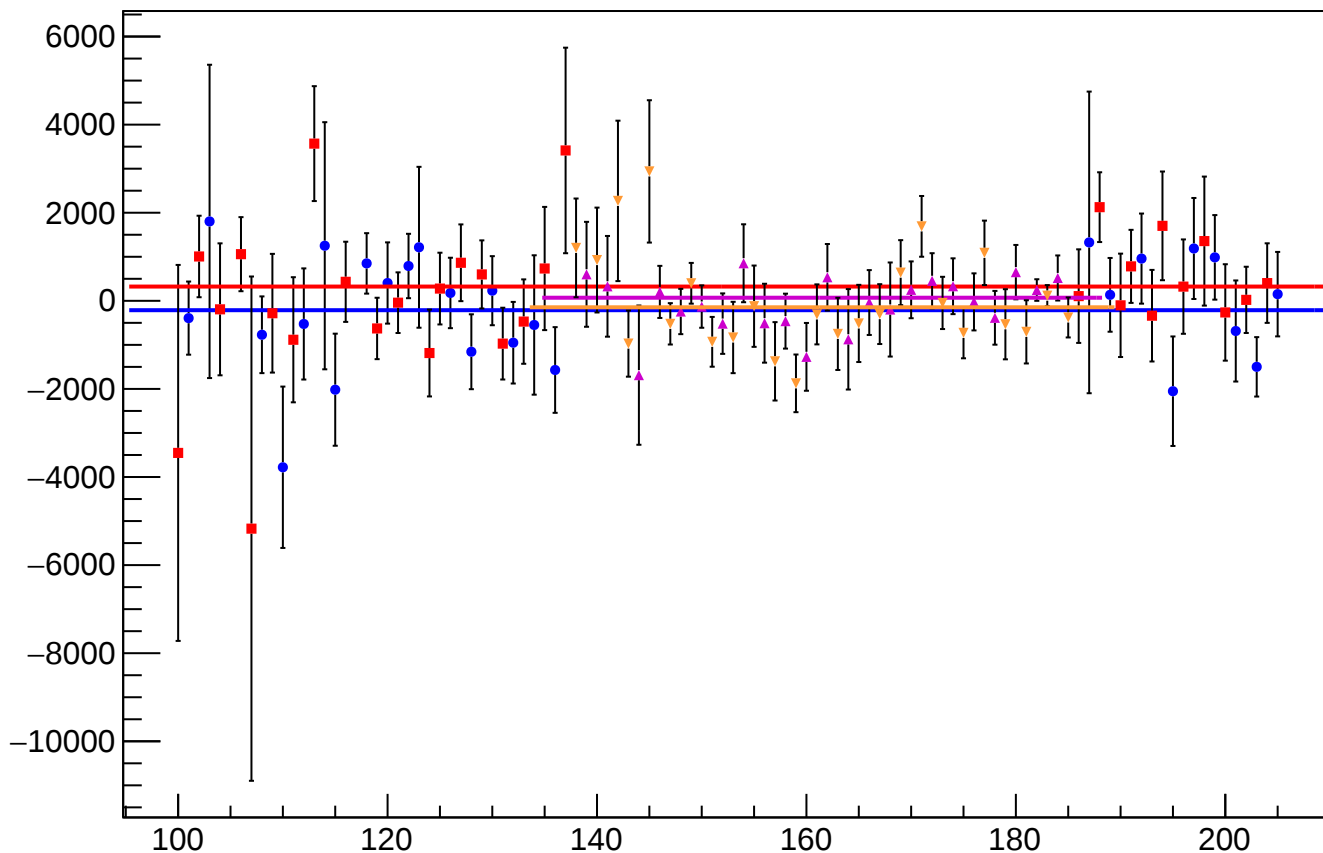
Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

+ sign 1867.968 $\pm$ 0.237 χ^2 /NDF: 672822.8/50

All: 1868.537 $\pm$ 0.168 χ^2 /NDF: 1168231.6/10

- sign 1869.103 $\pm$ 0.237 χ^2 /NDF: 495397.3/52

asym_at1_avg_correction_mean vs Slug



Right In: -212.832 ± 195.389 χ^2/NDF : 27.6/25

Left Out: -146.999 ± 121.984 χ^2/NDF : 37.7/24

Right Out: 323.855 ± 181.508 χ^2/NDF : 28.6/29

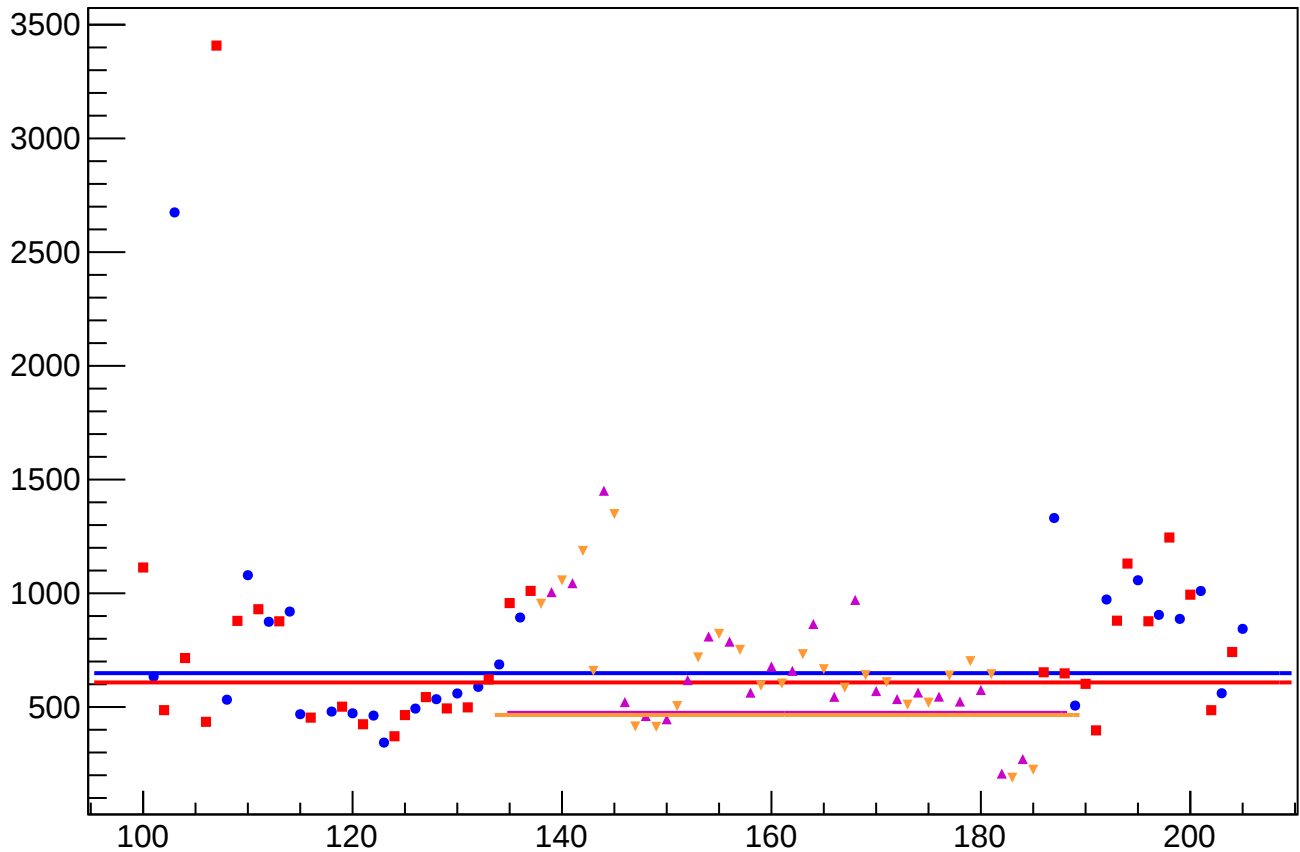
Left In: 70.340 ± 126.373 χ^2/NDF : 12.3/22

+ sign -165.462 ± 103.474 χ^2/NDF : 65.3/50

All: -6.542 ± 73.251 χ^2/NDF : 112.2/103

- sign 153.109 ± 103.712 χ^2/NDF : 42.2/52

asym_at1_avg_correction_rms vs Slug



Right In: 648.905+/-0.138 χ^2/NDF : 2666501.4/25

Left Out: 465.080+/-0.086 χ^2/NDF : 7086137.6/24

Right Out: 608.027+/-0.128 χ^2/NDF : 3087603.4/29

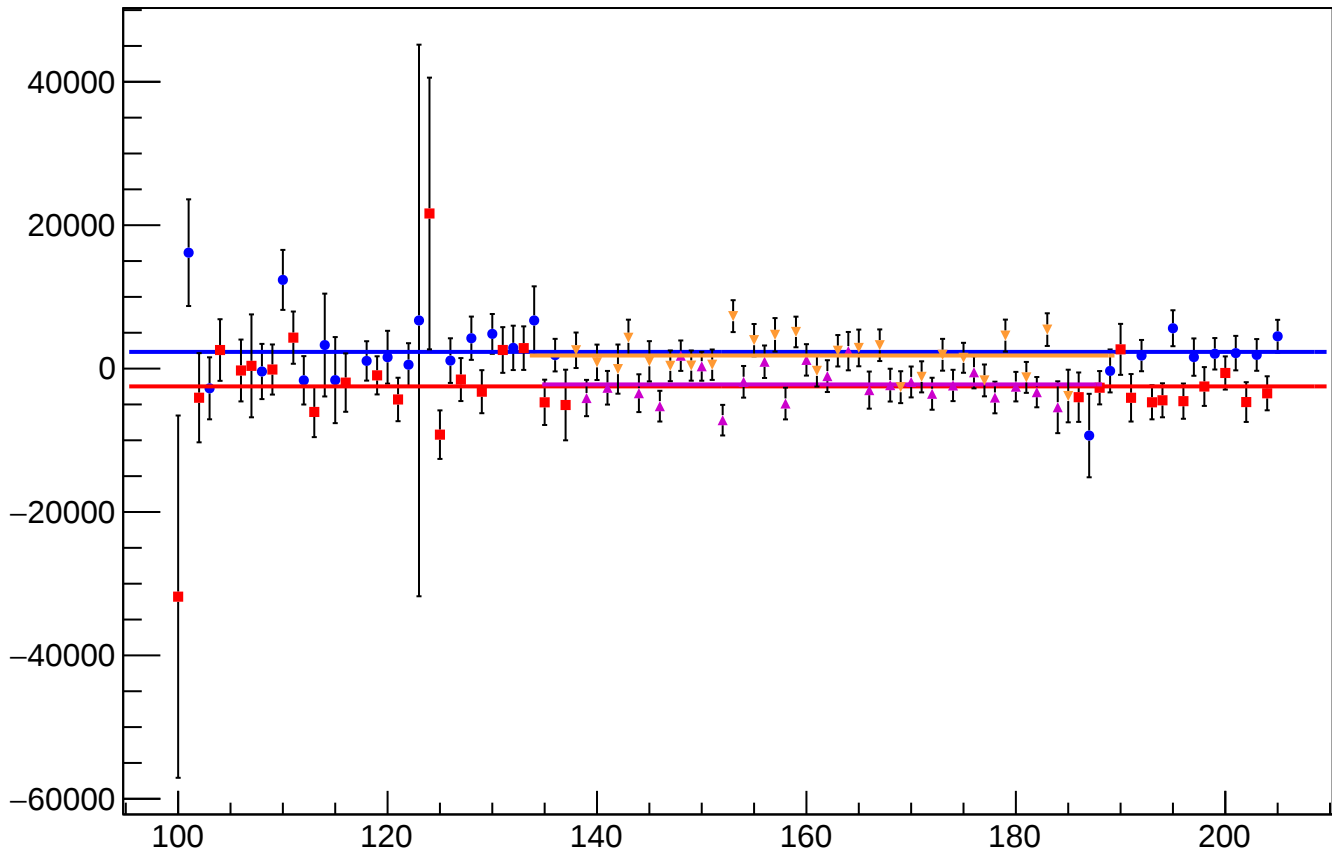
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 516.635+/-0.073 χ^2/NDF : 11026410.1/50

All: 517.283+/-0.052 χ^2/NDF : 21018852.8/10

- sign 517.935+/-0.073 χ^2/NDF : 9992285.1/52

asym_at1_avg_mean vs Slug



Right In: 2328.899 ± 601.192 χ^2/NDF : 23.5/25

Left Out: 1824.066 ± 462.694 χ^2/NDF : 32.1/24

Right Out: -2482.562 ± 581.698 χ^2/NDF : 27.3/29

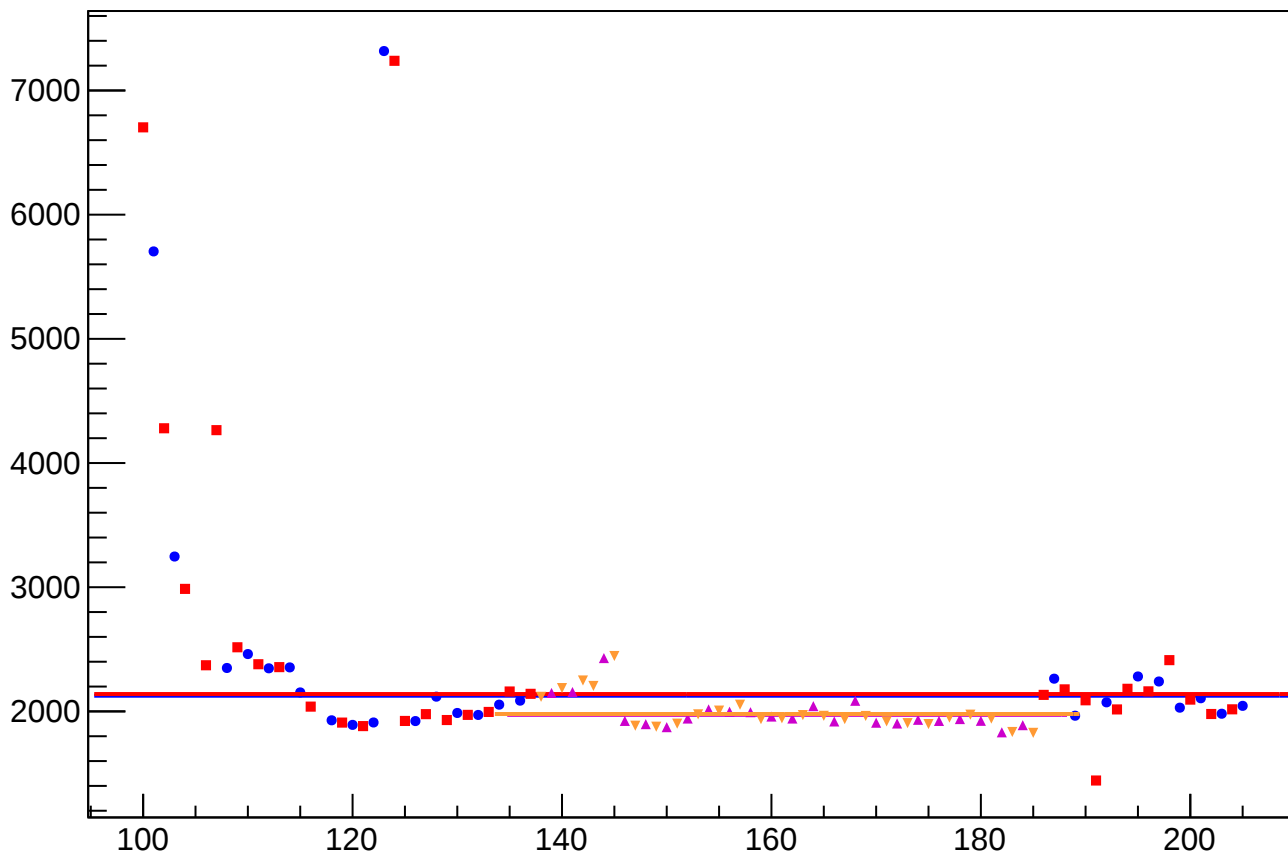
Left In: -2208.114 ± 474.050 χ^2/NDF : 25.3/22

+ sign 2011.858 ± 366.672 χ^2/NDF : 56.0/50

All: -148.142 ± 259.560 χ^2/NDF : 178.3/103

- sign -2317.642 ± 367.477 χ^2/NDF : 52.7/52

asym_at1_avg_rms vs Slug



Right In: 2126.383 $\pm$ 0.425 χ^2 /NDF: 746645.9/25

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

Right Out: 2139.798 $\pm$ 0.411 χ^2 /NDF: 938596.7/29

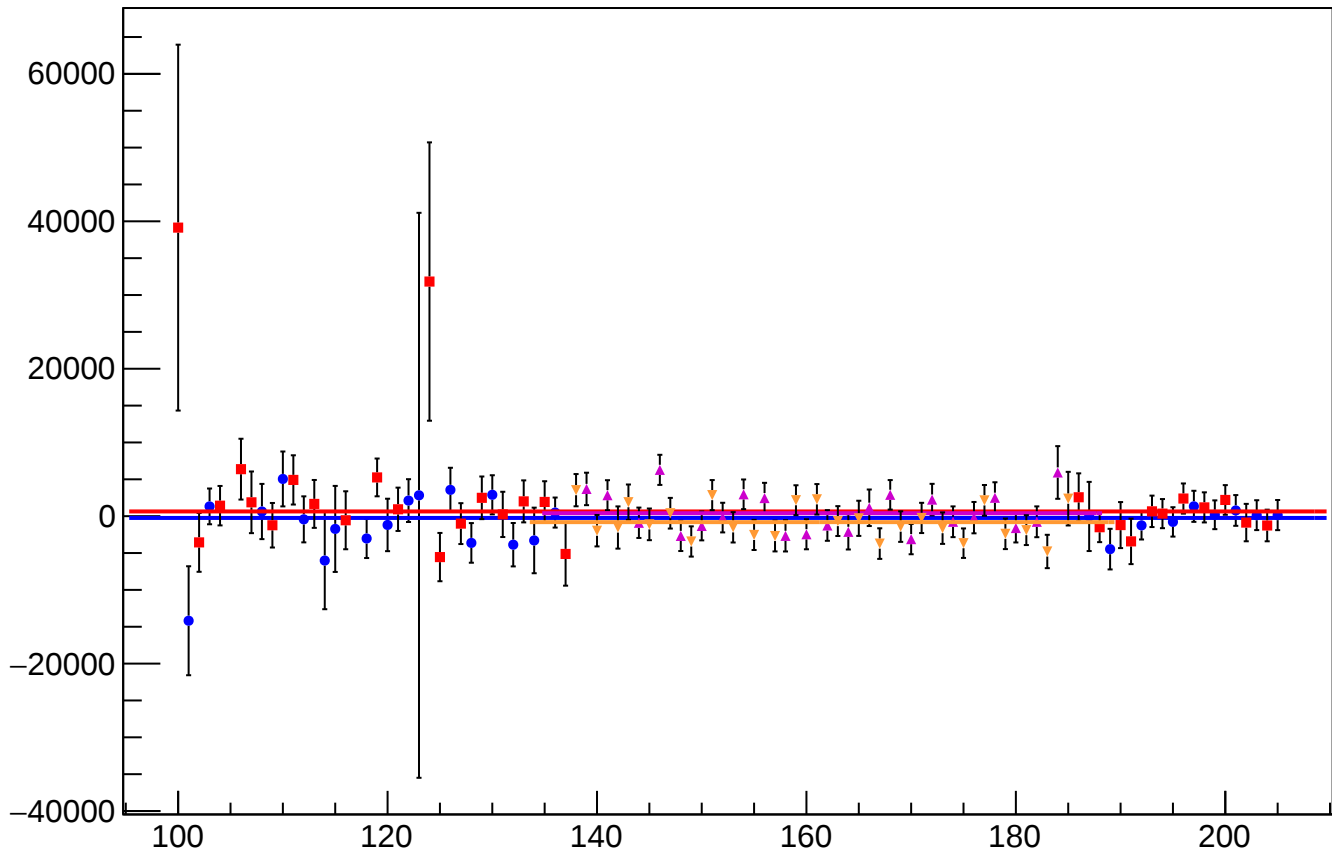
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2033.823 $\pm$ 0.259 χ^2 /NDF: 961434.5/50

All: 2036.439 $\pm$ 0.184 χ^2 /NDF: 2116494.8/10

- sign 2039.066 $\pm$ 0.260 χ^2 /NDF: 1154856.4/52

reg_asym_at1_dd_mean vs Slug



Right In: -239.905 ± 532.387 χ^2/NDF : 19.1/25

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 642.346 ± 511.359 χ^2/NDF : 26.5/29

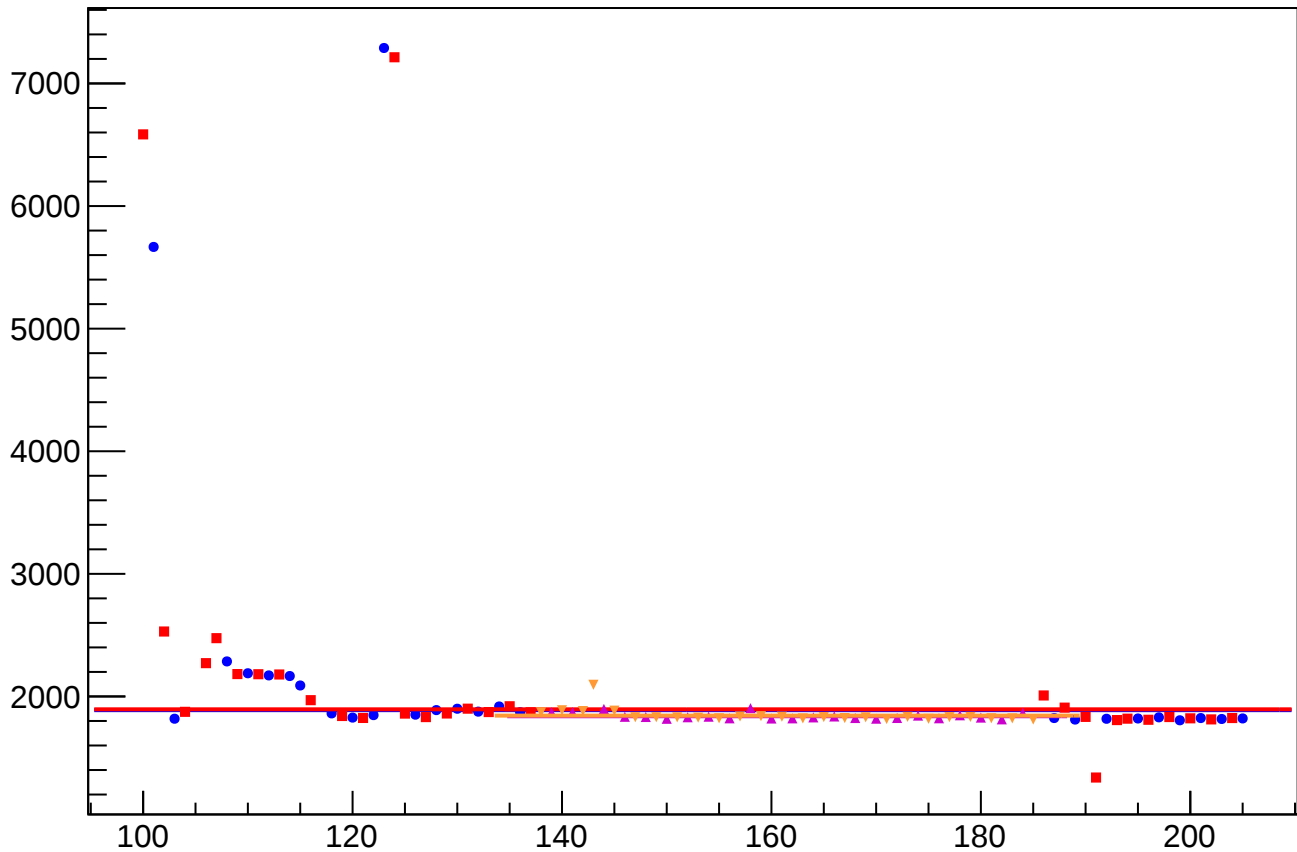
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -583.787 ± 334.659 χ^2/NDF : 47.7/50

All: -39.563 ± 236.431 χ^2/NDF : 114.0/103

- sign 502.743 ± 334.069 χ^2/NDF : 61.1/52

reg_asym_at1_dd_rms vs Slug



Right In: 1888.263+/-0.376 χ^2/NDF : 642403.8/25

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1895.054+/-0.362 χ^2/NDF : 475889.3/29

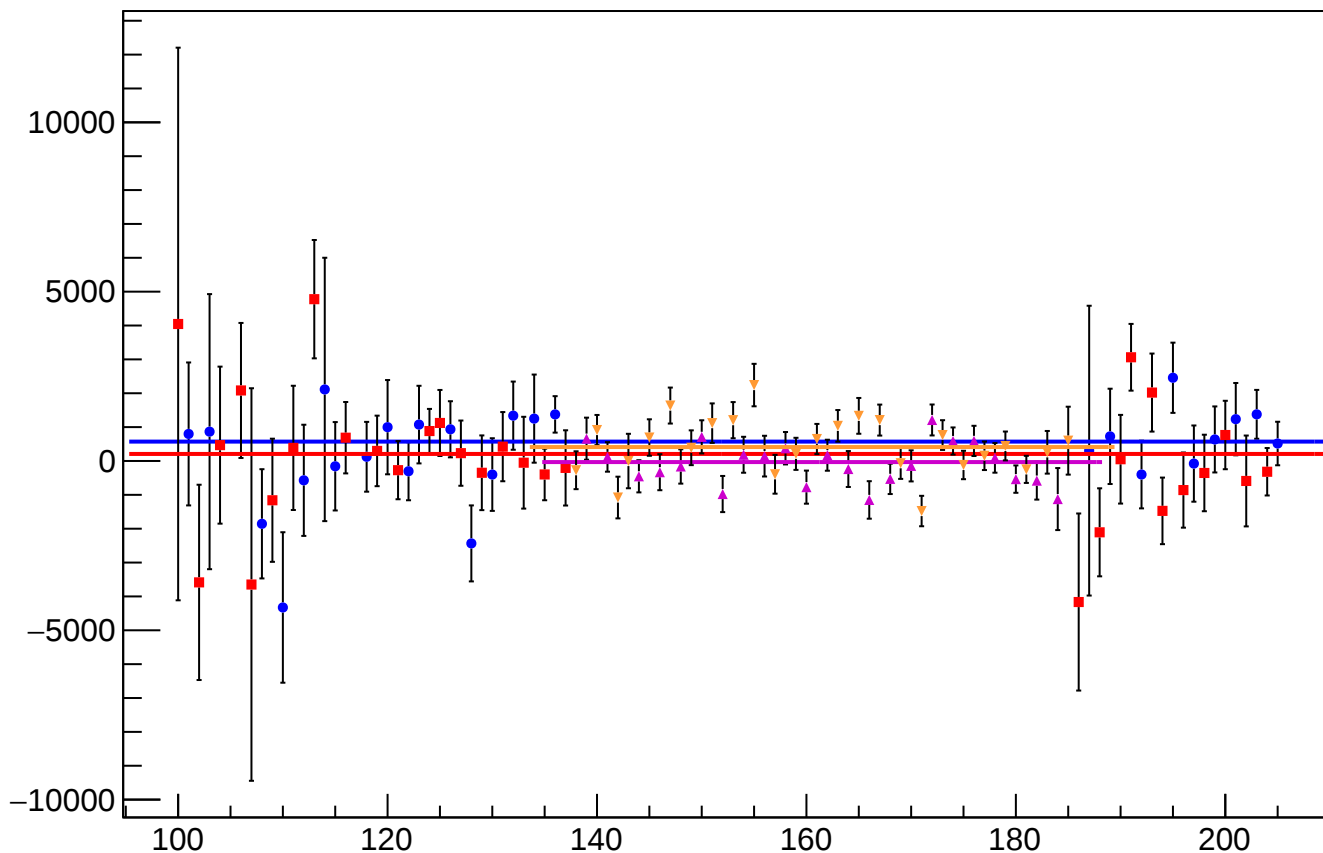
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1861.337+/-0.237 χ^2/NDF : 677729.3/50

All: 1862.020+/-0.167 χ^2/NDF : 1173937.6/100

- sign 1862.701+/-0.236 χ^2/NDF : 496191.7/52

asym_at1_dd_correction_mean vs Slug



Right In: 572.188 ± 207.726 $\chi^2/\text{NDF}: 27.1/25$

Left Out: 411.072 ± 100.456 $\chi^2/\text{NDF}: 61.2/24$

Right Out: 207.524 ± 206.965 $\chi^2/\text{NDF}: 36.5/29$

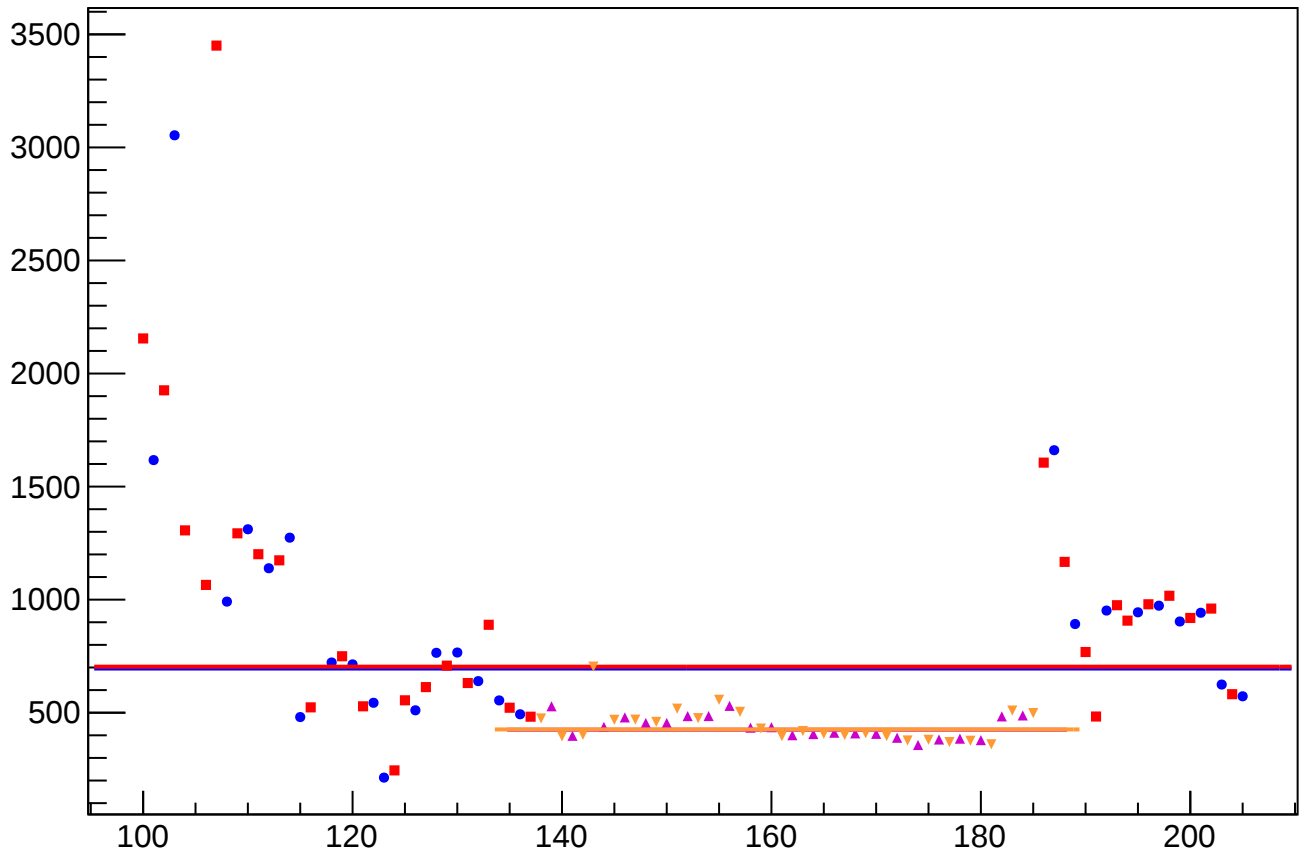
Left In: -32.456 ± 102.403 $\chi^2/\text{NDF}: 32.7/22$

+ sign 441.610 ± 90.436 $\chi^2/\text{NDF}: 88.8/50$

All: 231.330 ± 64.419 $\chi^2/\text{NDF}: 170.0/103$

- sign 14.740 ± 91.783 $\chi^2/\text{NDF}: 70.3/52$

asym_at1_dd_correction_rms vs Slug



Right In: 695.332 ± 0.147 χ^2/NDF : 3167030.6/25

Left Out: 426.027 ± 0.071 χ^2/NDF : 733072.9/24

Right Out: 703.577 ± 0.146 χ^2/NDF : 4307453.5/29

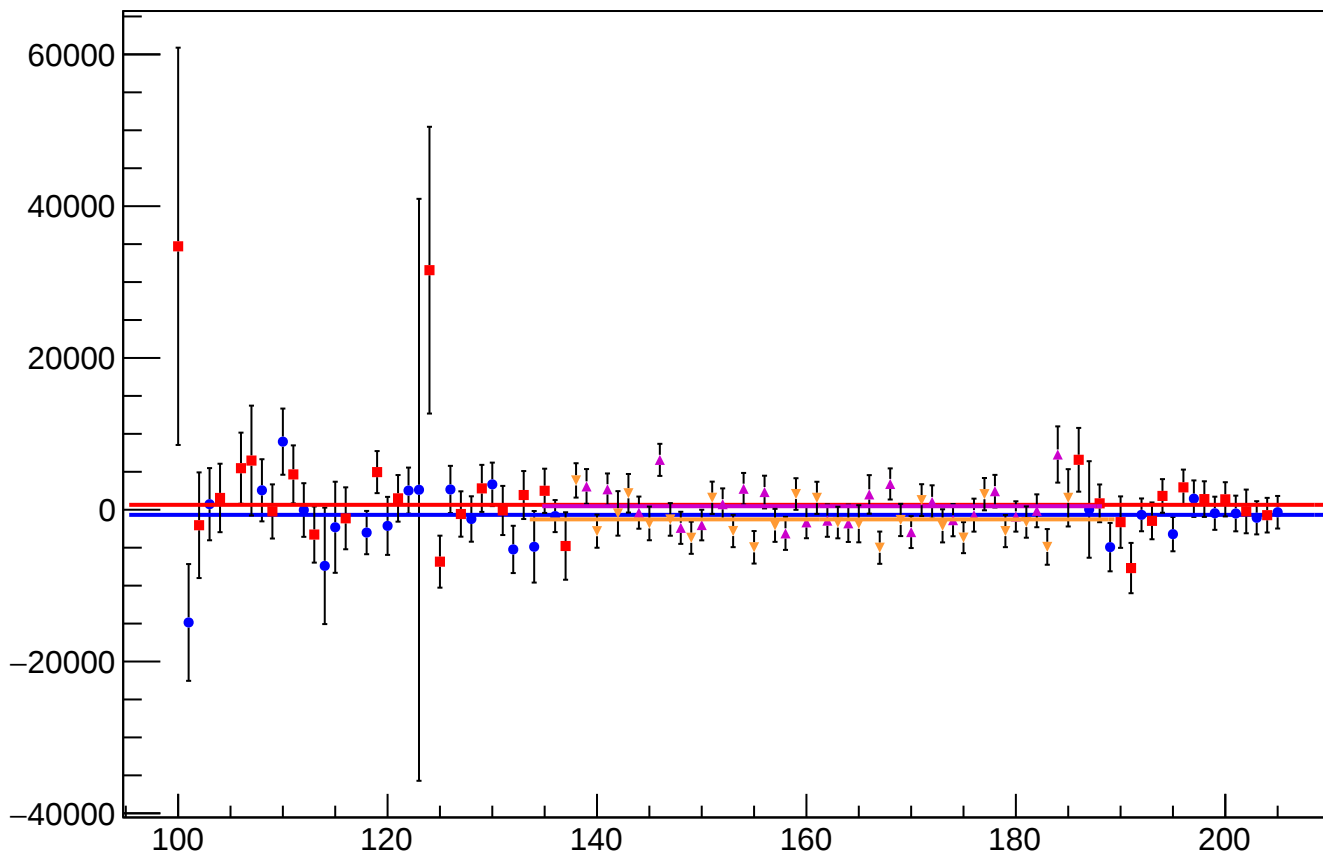
Left In: 424.639 ± 0.072 χ^2/NDF : 391611.2/22

+ sign 477.071 ± 0.064 χ^2/NDF : 6624483.3/50

All: 478.266 ± 0.046 χ^2/NDF : 14242695.9/10

- sign 479.496 ± 0.065 χ^2/NDF : 7617504.3/52

asym_at1_dd_mean vs Slug



Right In: -674.321 ± 594.392 χ^2/NDF : 21.8/25

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 647.341 ± 580.864 χ^2/NDF : 30.2/29

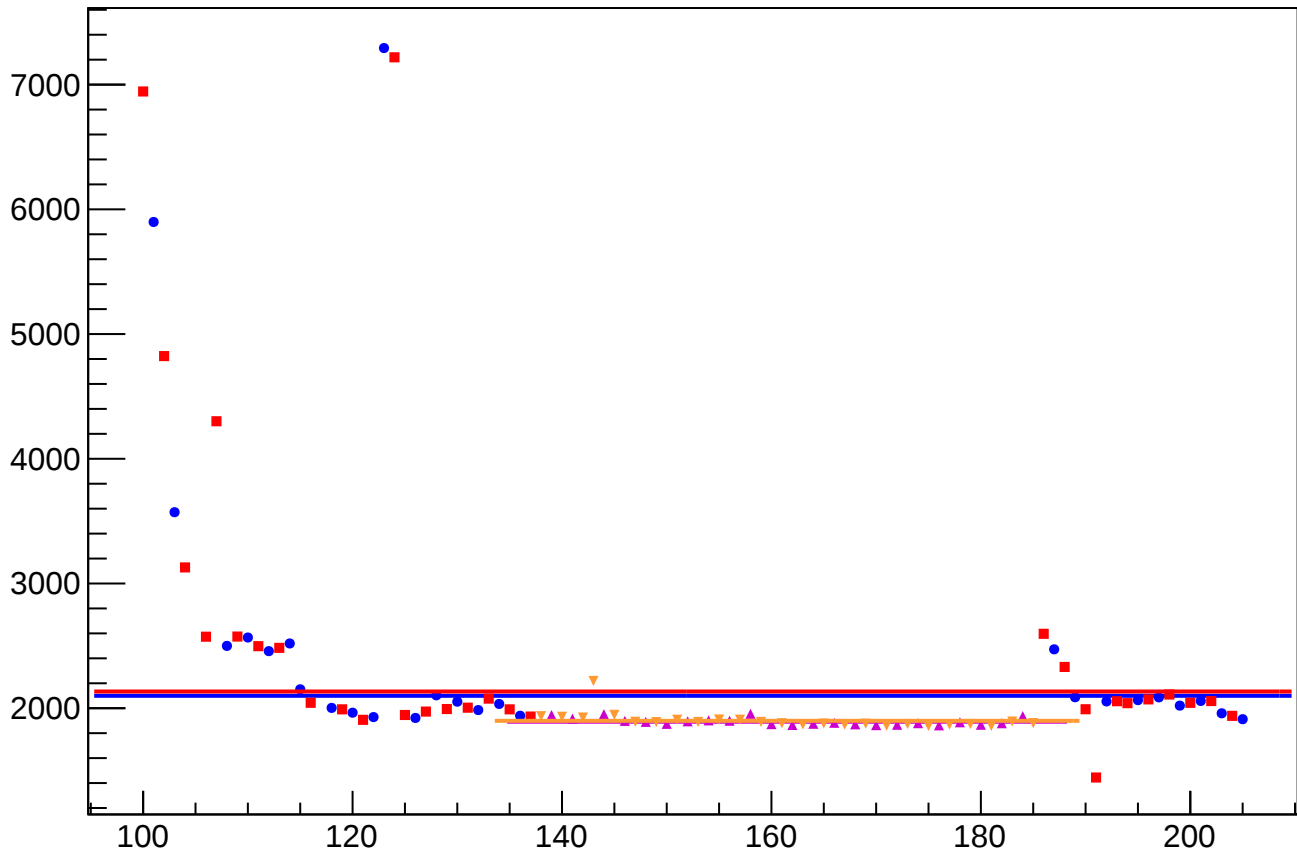
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1055.784 ± 355.312 χ^2/NDF : 53.3/50

All: -266.837 ± 252.076 χ^2/NDF : 126.0/103

- sign 532.648 ± 357.677 χ^2/NDF : 62.8/52

asym_at1_dd_rms vs Slug



Right In: 2099.571 $\pm$ 0.420 χ^2 /NDF: 852572.8/25

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2134.101 $\pm$ 0.411 χ^2 /NDF: 1071216.1/29

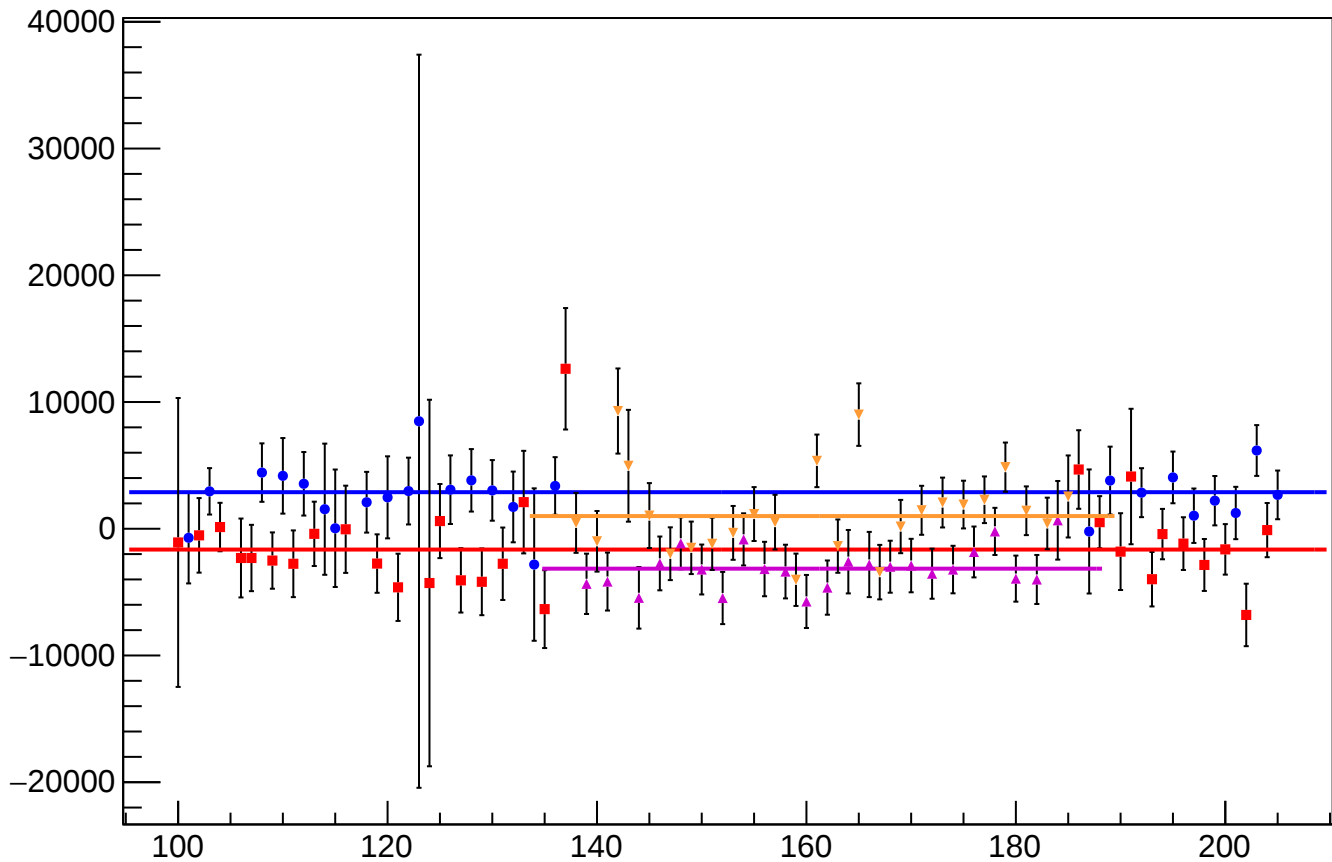
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1970.646 $\pm$ 0.251 χ^2 /NDF: 1037663.1/50

All: 1977.083 $\pm$ 0.178 χ^2 /NDF: 2333867.6/100

- sign 1983.607 $\pm$ 0.253 χ^2 /NDF: 1294882.8/52

reg_asym_at2_avg_mean vs Slug



Right In: 2884.992 ± 494.832 χ^2/NDF : 8.6/25

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1642.239 ± 478.047 χ^2/NDF : 31.4/29

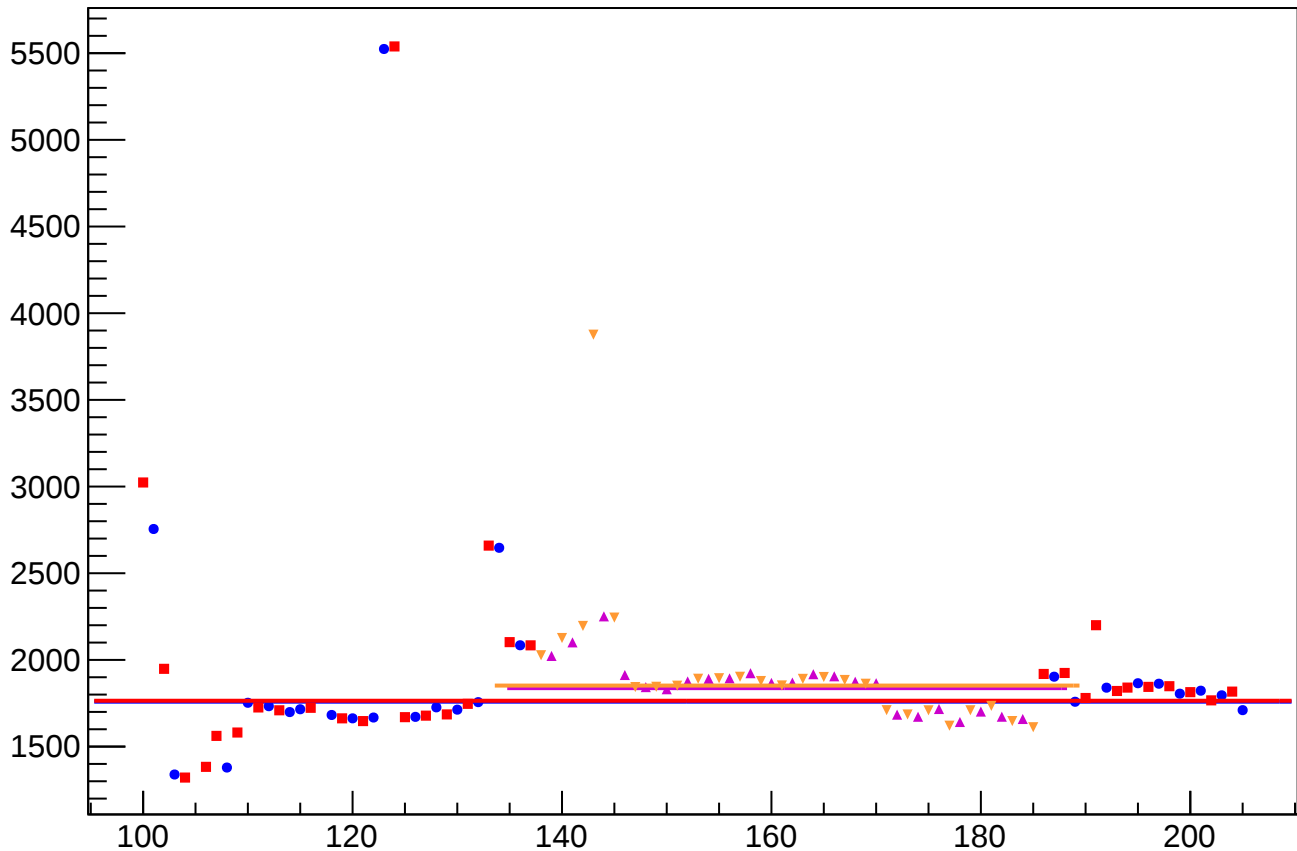
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1822.940 ± 326.813 χ^2/NDF : 61.4/50

All: -334.112 ± 230.162 χ^2/NDF : 196.5/103

- sign -2456.789 ± 324.198 χ^2/NDF : 48.6/52

reg_asym_at2_avg_rms vs Slug



Right In: 1759.146 $\pm$ 0.350 χ^2 /NDF: 461550.5/25

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1764.446 $\pm$ 0.338 χ^2 /NDF: 521805.7/29

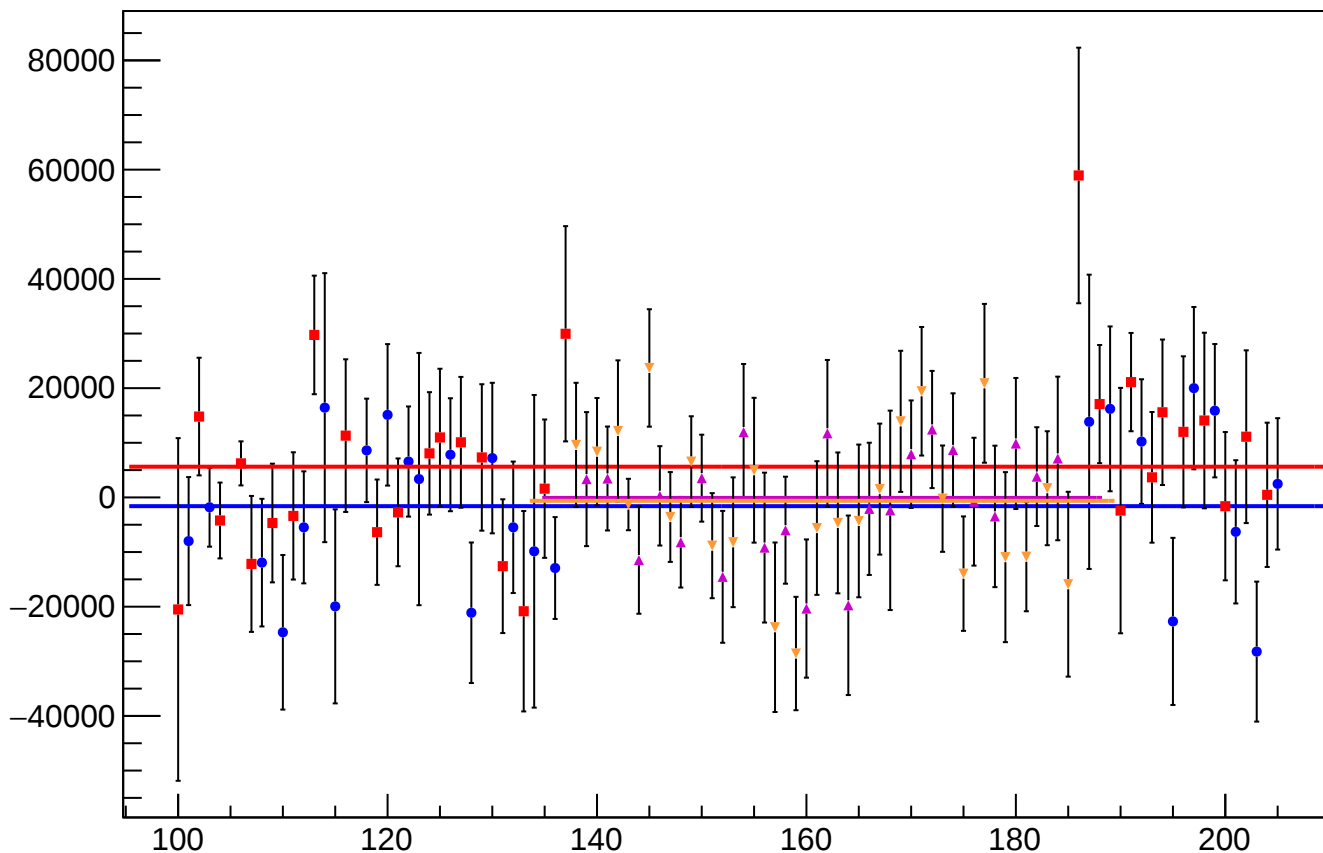
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1811.474 $\pm$ 0.231 χ^2 /NDF: 1150173.9/50

All: 1807.562 $\pm$ 0.163 χ^2 /NDF: 1898046.9/10

- sign 1803.712 $\pm$ 0.229 χ^2 /NDF: 747304.4/52

asym_at2_avg_correction_mean vs Slug



Right In: -1601.231+/-2424.894 χ^2/NDF : 27.6/25

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

Right Out: 5623.894+/-1977.571 χ^2/NDF : 31.7/29

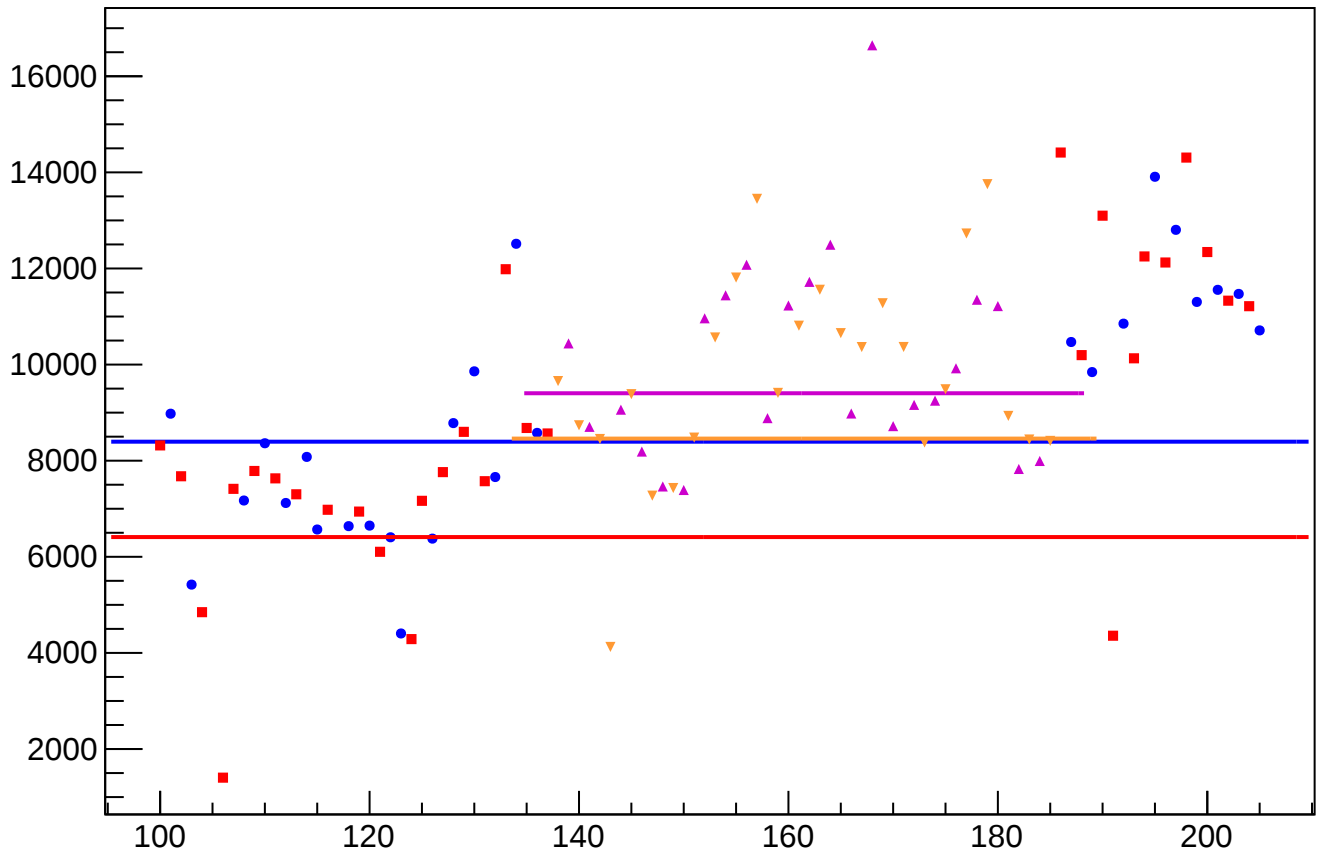
Left In: -93.334+/-2293.826 χ^2/NDF : 14.6/22

+ sign -1033.187+/-1574.240 χ^2/NDF : 57.9/50

All: 1181.488+/-1085.118 χ^2/NDF : 111.6/103

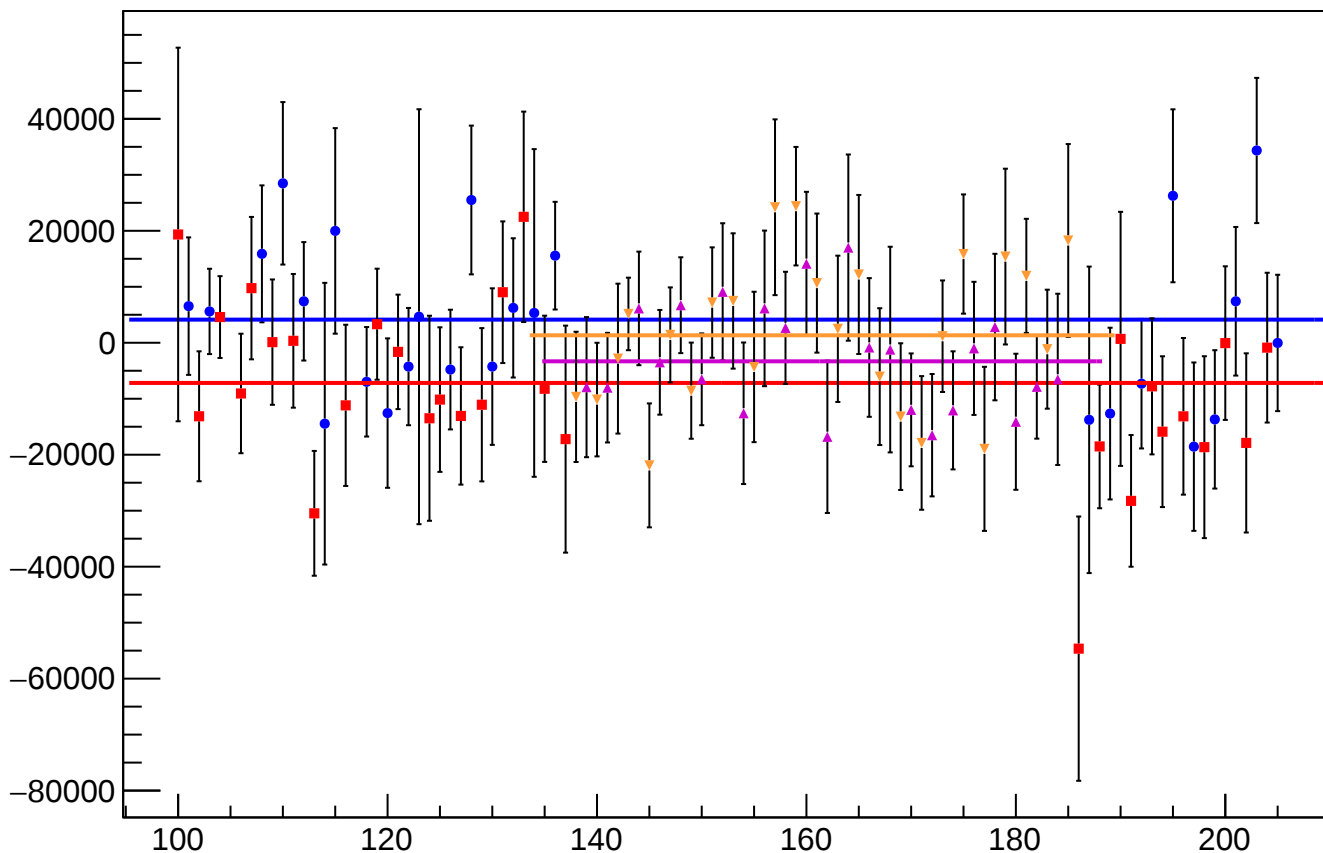
- sign 3186.277+/-1497.788 χ^2/NDF : 49.9/52

asym_at2_avg_correction_rms vs Slug



Right In: 8395.628+/-1.715	χ^2/NDF : 1790234.1/25	+ sign 8432.847+/-1.113	χ^2/NDF : 4878248.9/50
Left Out: 8459.960+/-1.463	χ^2/NDF : 3087200.5/24	All: 8041.258+/-0.767	χ^2/NDF : 14971142.7/1
Right Out: 6410.817+/-1.398	χ^2/NDF : 6761655.1/29	- sign 7686.780+/-1.059	χ^2/NDF : 9857119.8/52
Left In: 9403.481+/-1.622	χ^2/NDF : 1142646.9/22		

asym_at2_avg_mean vs Slug



Right In: 4132.484 $\pm$ 2506.178 χ^2/NDF : 28.4/25

Left Out: 1332.828 $\pm$ 2213.733 χ^2/NDF : 28.0/24

Right Out: -7176.686 $\pm$ 2337.242 χ^2/NDF : 27.3/29

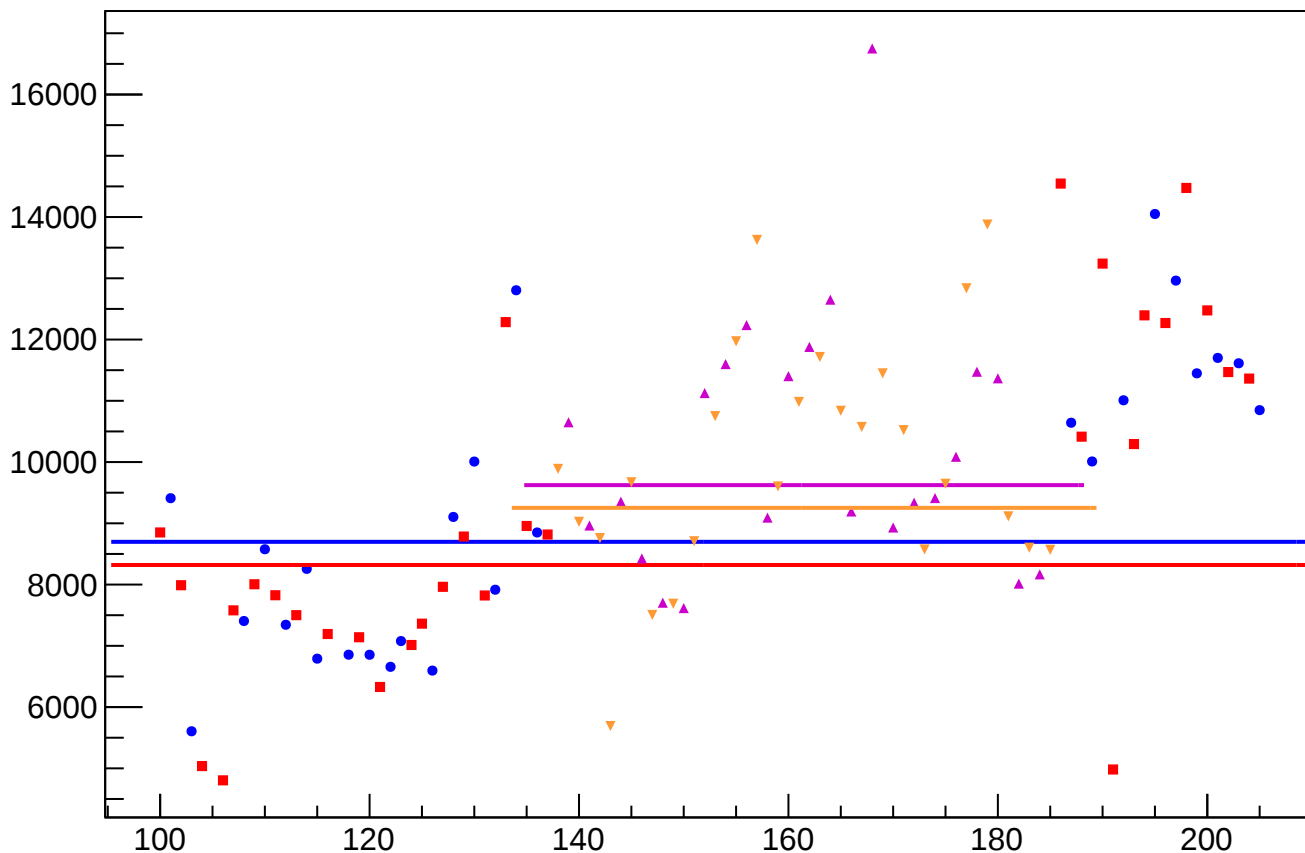
Left In: -3316.909 $\pm$ 2344.543 χ^2/NDF : 13.7/22

+ sign 2559.853 $\pm$ 1659.153 χ^2/NDF : 57.1/50

All: -1355.669 $\pm$ 1171.818 χ^2/NDF : 110.6/10

- sign -5252.817 $\pm$ 1655.255 χ^2/NDF : 42.4/52

asym_at2_avg_rms vs Slug



Right In: 8697.836 $\pm$ 1.772 χ^2 /NDF: 1617007.0/25

Left Out: 9252.712 $\pm$ 1.565 χ^2 /NDF:1597668.9/24

Right Out: 8319.693 $\pm$ 1.653 χ^2 /NDF: 2398477.5/29

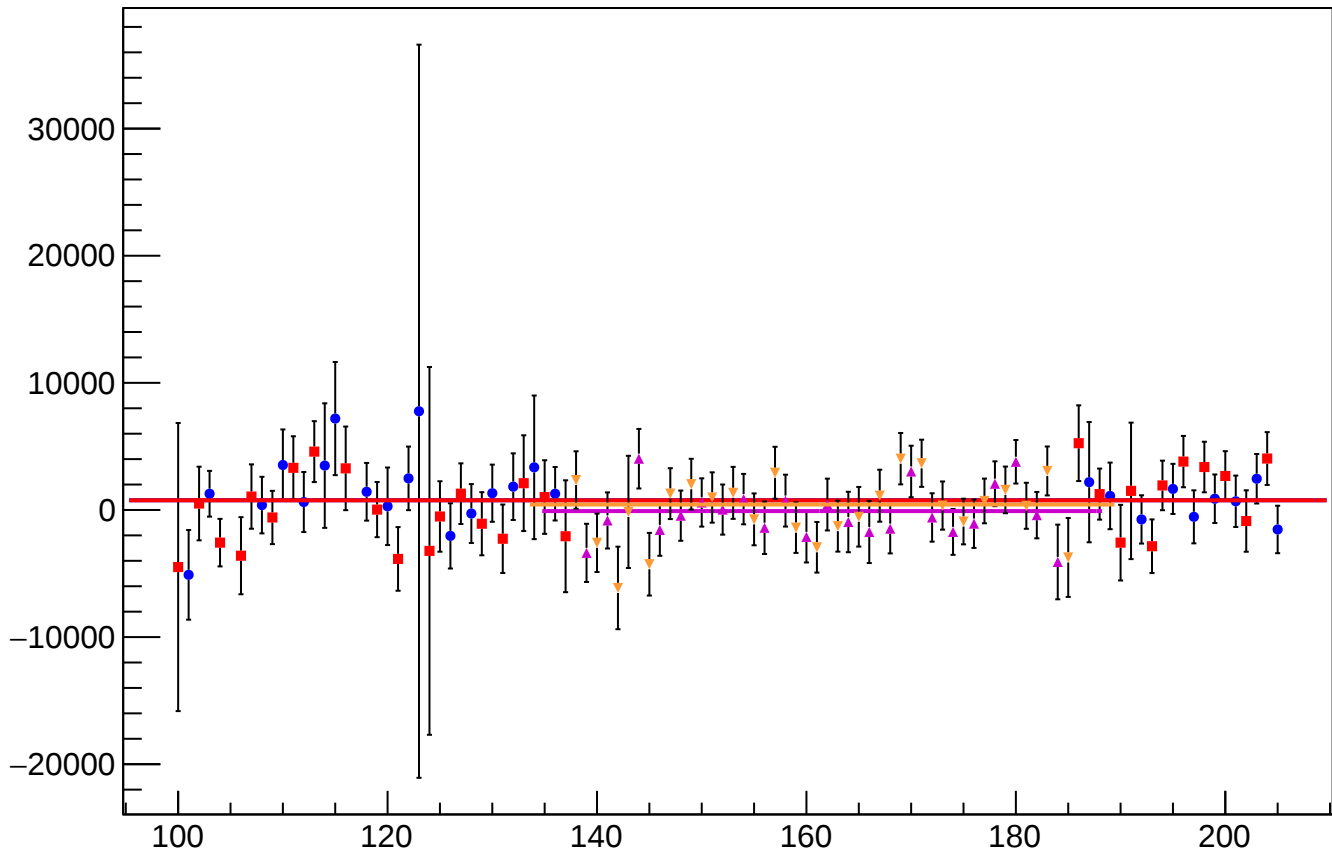
Left In: 9623.485 $\pm$ 1.658 χ^2 /NDF:1069924.0/22

+ sign 9009.517 $\pm$ 1.173 χ^2 /NDF: 3269747.8/50

All: 8989.459 $\pm$ 0.829 χ^2 /NDF: 7048969.2/10

- sign 8969.496 $\pm$ 1.170 χ^2 /NDF: 3778638.2/52

reg_asym_at2_dd_mean vs Slug



Right In: 765.791 ± 475.838 χ^2/NDF : 12.4/25

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 760.967 ± 460.351 χ^2/NDF : 31.1/29

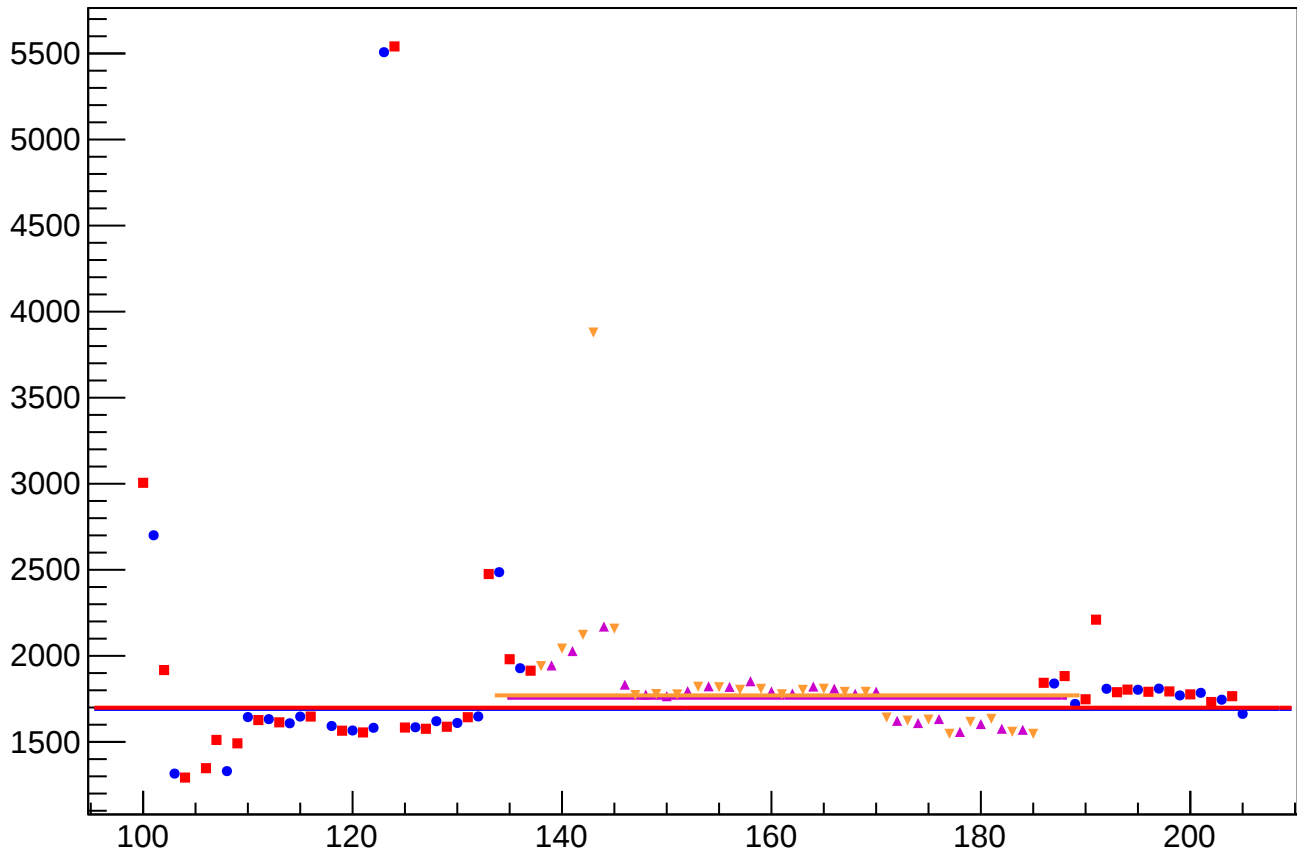
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 575.303 ± 313.350 χ^2/NDF : 41.4/50

All: 436.342 ± 220.757 χ^2/NDF : 95.7/103

- sign 299.408 ± 311.058 χ^2/NDF : 53.9/52

reg_asym_at2_dd_rms vs Slug



Right In: 1691.675 $\pm$ 0.336 χ^2 /NDF: 457662.1/25

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1698.802 $\pm$ 0.326 χ^2 /NDF: 535733.6/29

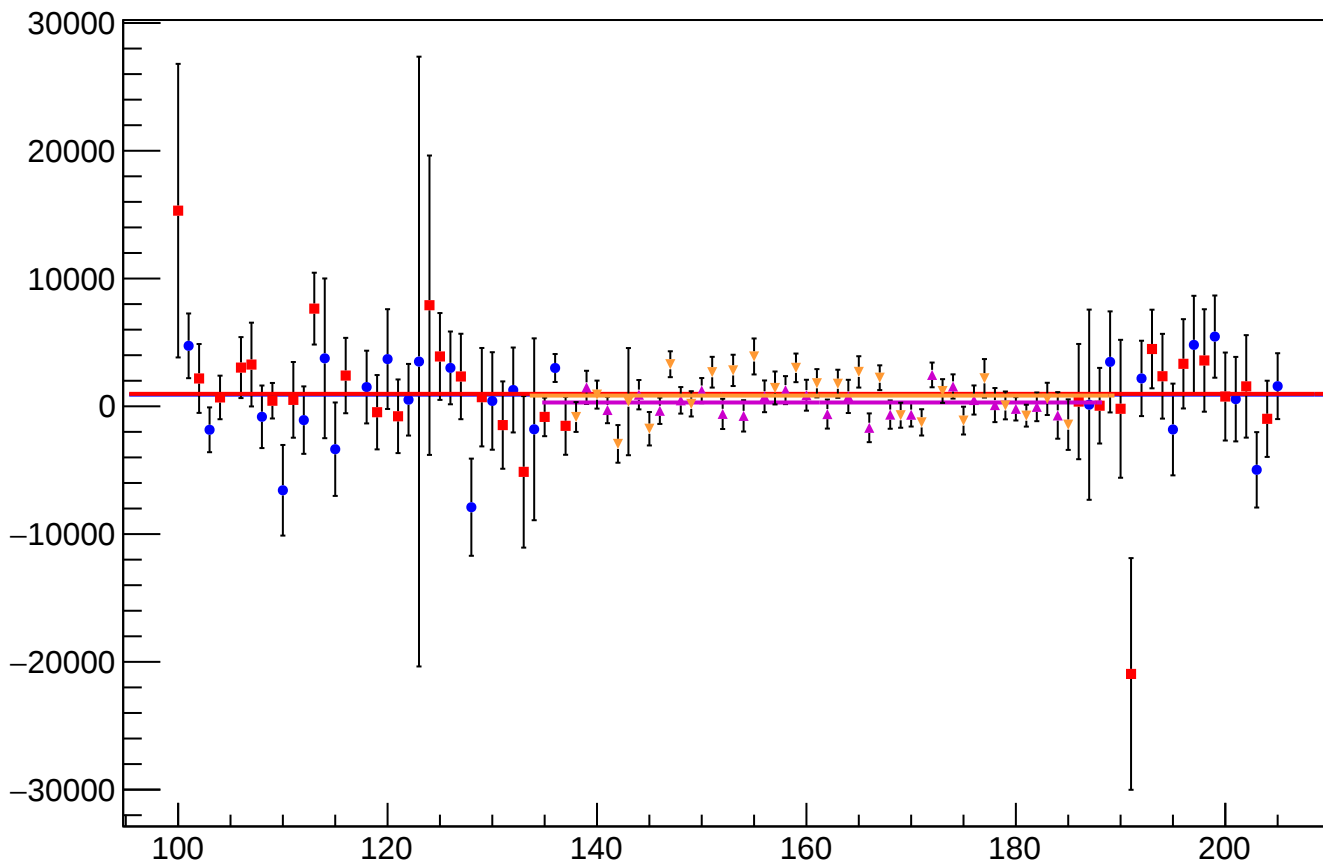
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1736.252 $\pm$ 0.222 χ^2 /NDF: 1188190.4/50

All: 1733.216 $\pm$ 0.156 χ^2 /NDF: 1964520.5/100

- sign 1730.224 $\pm$ 0.220 χ^2 /NDF: 775957.3/52

asym_at2_dd_correction_mean vs Slug



Right In: 916.844 ± 551.046 χ^2/NDF : 30.4/25

Left Out: 839.344 ± 230.465 χ^2/NDF : 54.4/24

Right Out: 975.335 ± 521.457 χ^2/NDF : 24.0/29

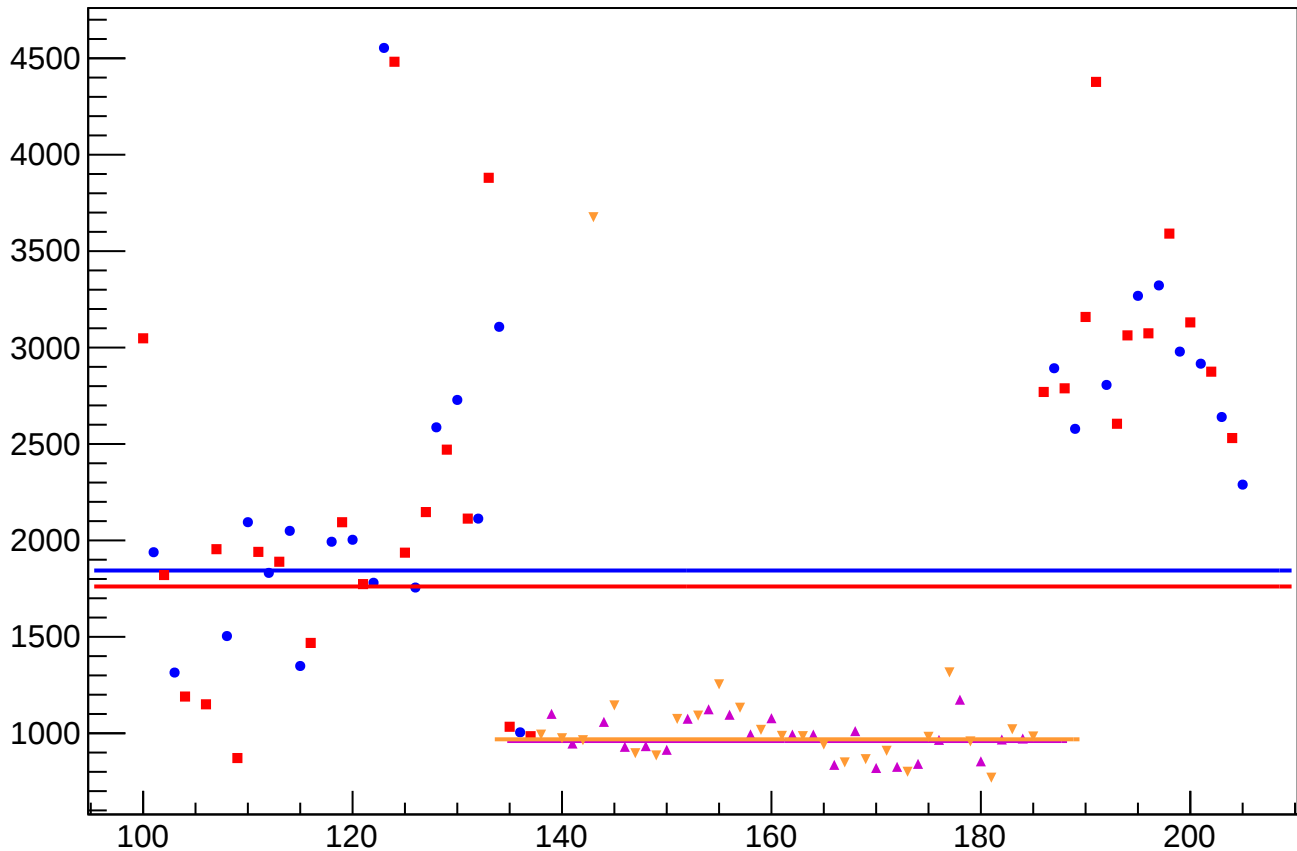
Left In: 298.801 ± 231.400 χ^2/NDF : 18.3/22

+ sign 850.882 ± 212.619 χ^2/NDF : 84.8/50

All: 629.341 ± 149.950 χ^2/NDF : 130.7/103

- sign 410.106 ± 211.510 χ^2/NDF : 43.7/52

asym_at2_dd_correction_rms vs Slug



Right In: 1843.980+/-0.390 χ^2/NDF : 3345061.8/25

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

Right Out: 1761.107+/-0.369 χ^2/NDF : 4851460.7/29

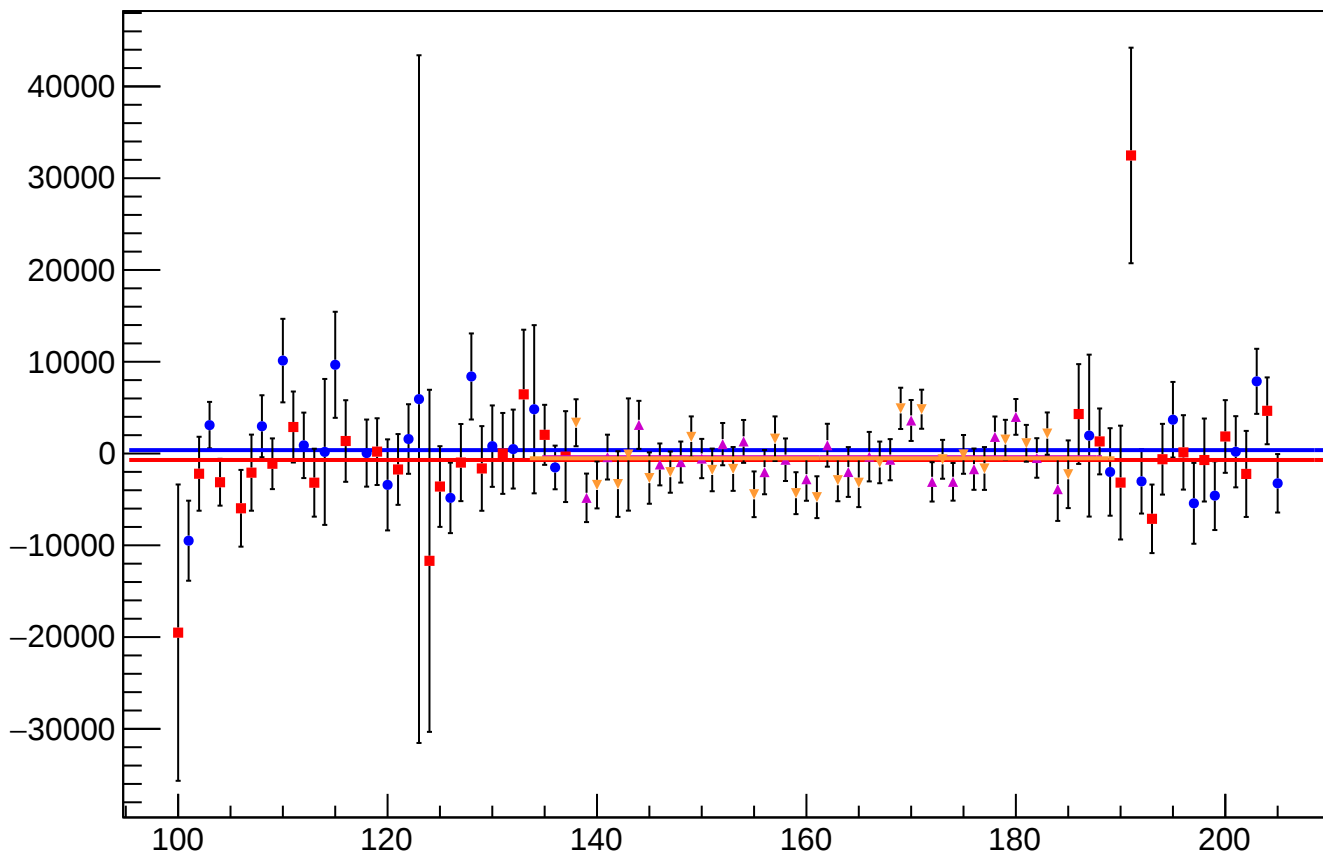
Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

+ sign 1099.019+/-0.150 χ^2/NDF : 9033413.5/50

All: 1095.308+/-0.106 χ^2/NDF : 18202962.3/100

- sign 1091.636+/-0.150 χ^2/NDF : 9168336.9/52

asym_at2_dd_mean vs Slug



Right In: 372.489 ± 784.216 χ^2/NDF : 31.6/25

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -703.092 ± 757.823 χ^2/NDF : 23.4/29

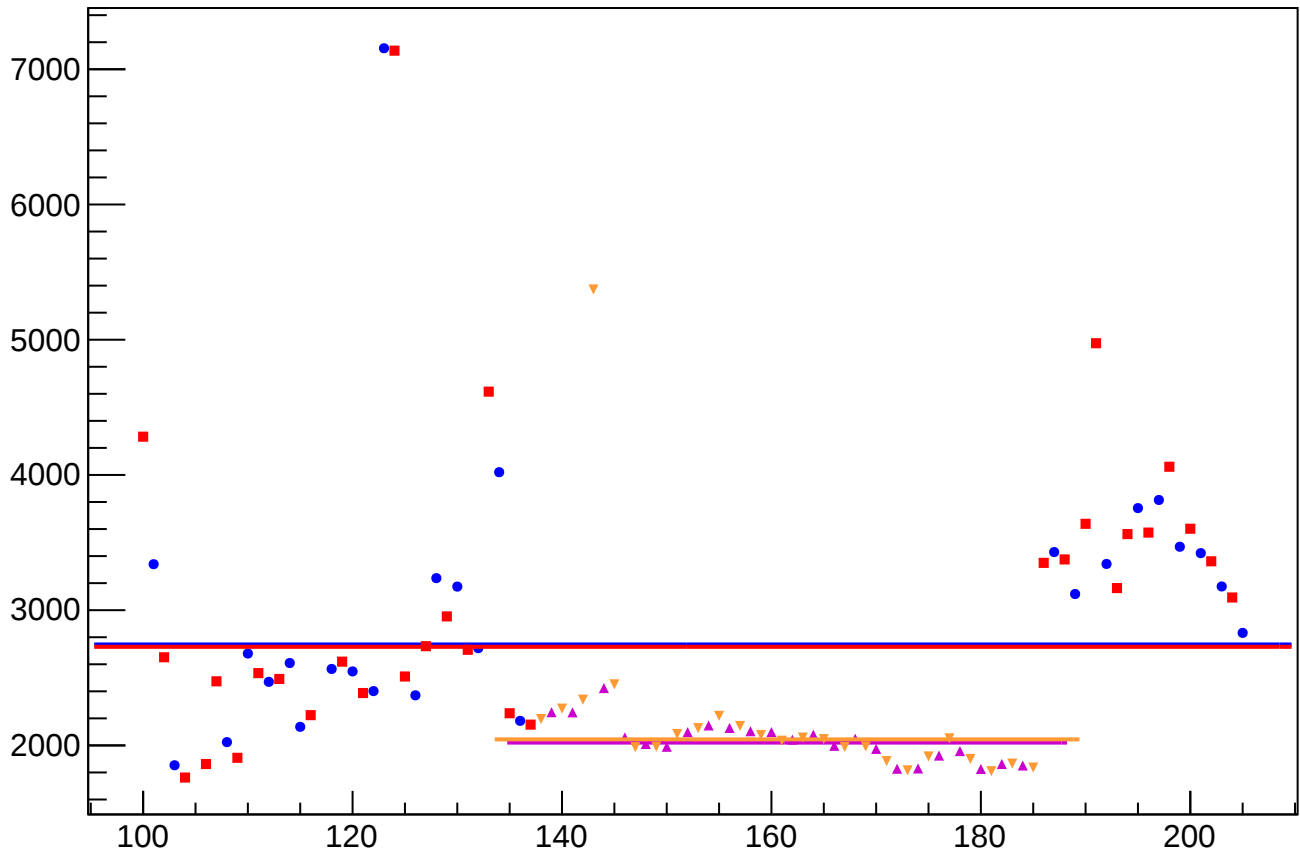
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -274.014 ± 410.320 χ^2/NDF : 66.5/50

All: -380.589 ± 289.506 χ^2/NDF : 112.0/103

- sign -486.237 ± 408.532 χ^2/NDF : 45.3/52

asym_at2_dd_rms vs Slug



Right In: 2746.509 $\pm$ 0.555 χ^2 /NDF: 1161550.5/25

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

Right Out: 2729.096 $\pm$ 0.536 χ^2 /NDF: 1712388.0/29

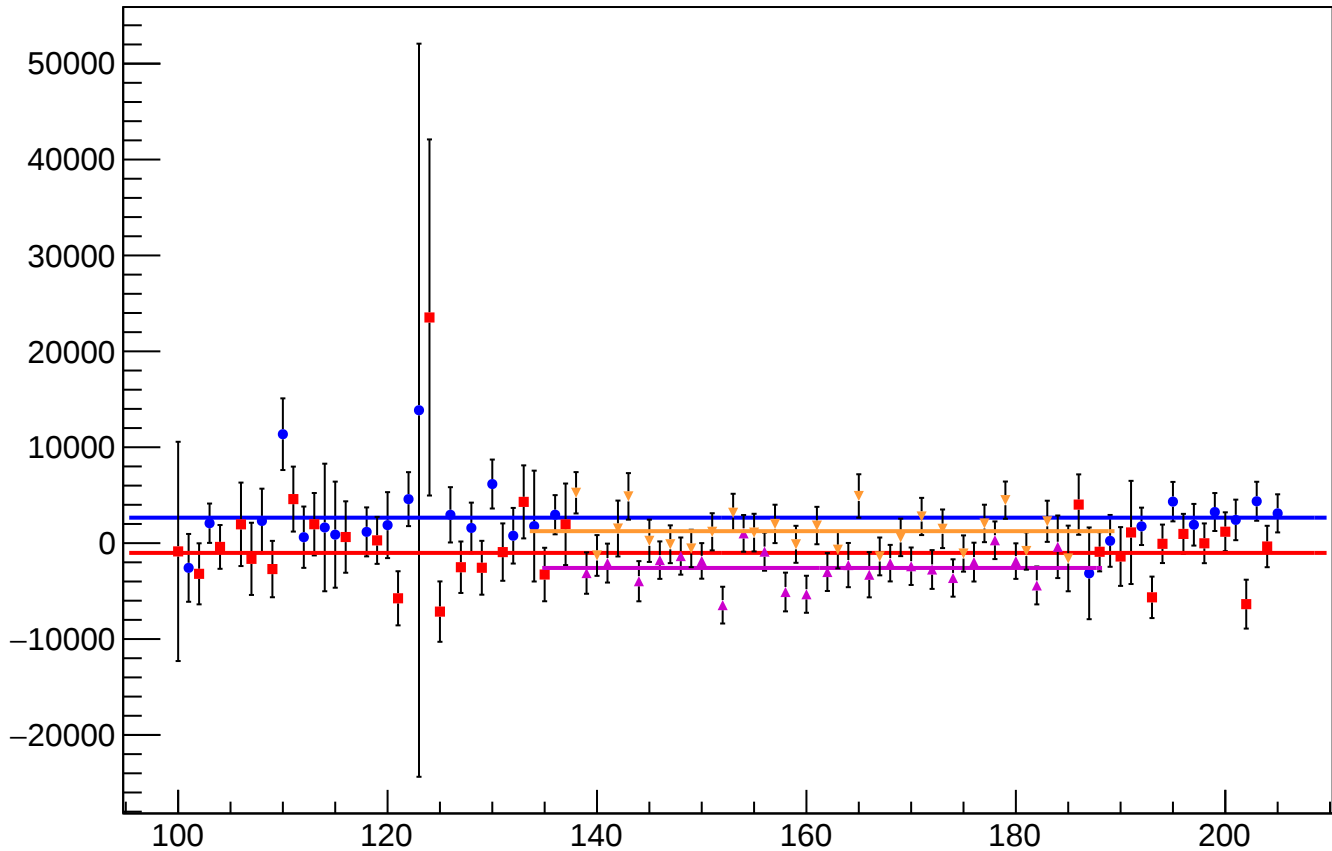
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2236.846 $\pm$ 0.290 χ^2 /NDF: 3113436.1/50

All: 2231.722 $\pm$ 0.205 χ^2 /NDF: 6239334.9/10

- sign 2226.643 $\pm$ 0.289 χ^2 /NDF: 3125277.7/52

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2656.776 ± 522.171 χ^2/NDF : 15.8/25

Left Out: 1249.917 ± 412.486 χ^2/NDF : 23.0/24

Right Out: -1017.299 ± 510.622 χ^2/NDF : 31.9/29

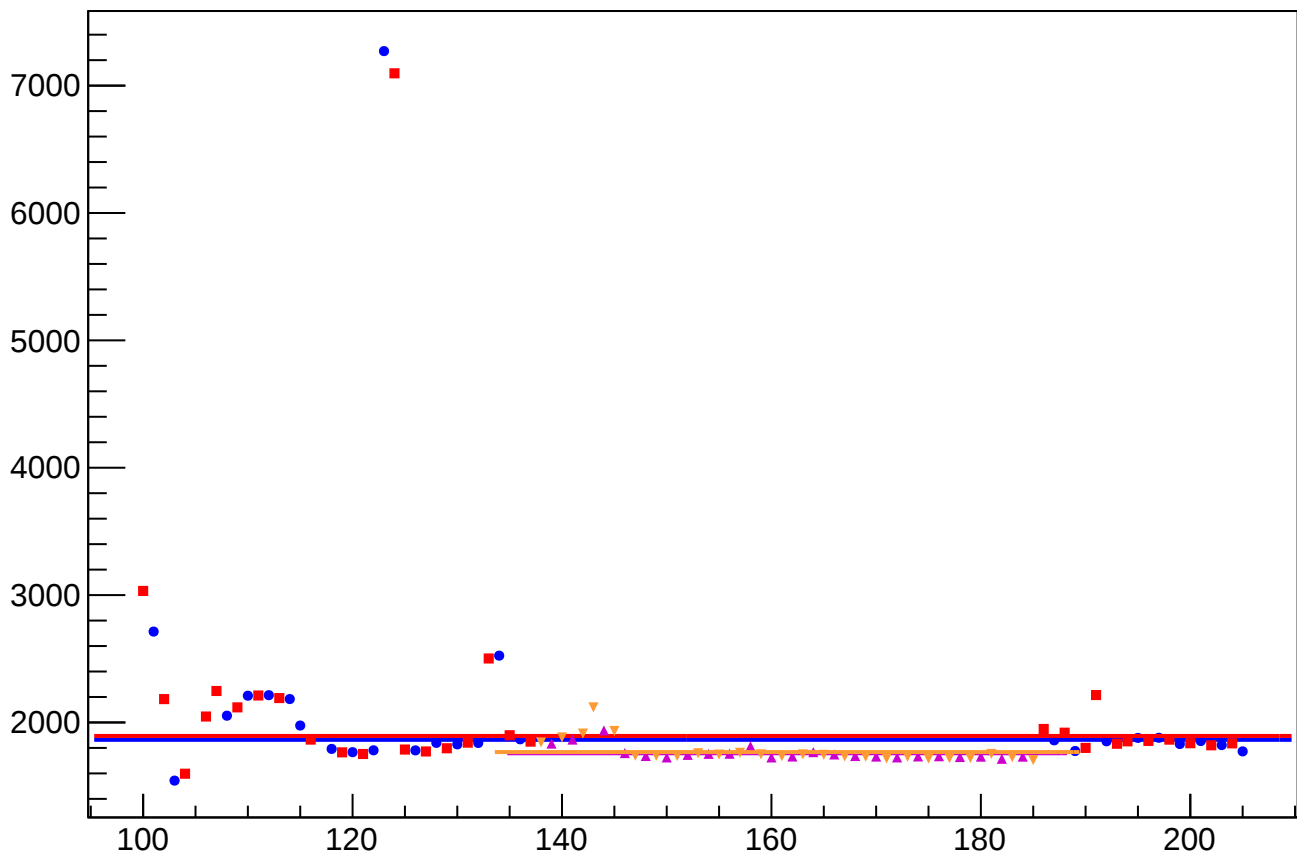
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1790.490 ± 323.679 χ^2/NDF : 43.3/50

All: -72.173 ± 229.364 χ^2/NDF : 164.8/103

- sign -1950.816 ± 325.064 χ^2/NDF : 54.9/52

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1863.663 $\pm$ 0.369 χ^2 /NDF: 298677.7/25

Left Out: 1767.517 $\pm$ 0.292 χ^2 /NDF: 77674.7/24

Right Out: 1894.086 $\pm$ 0.361 χ^2 /NDF: 382978.5/29

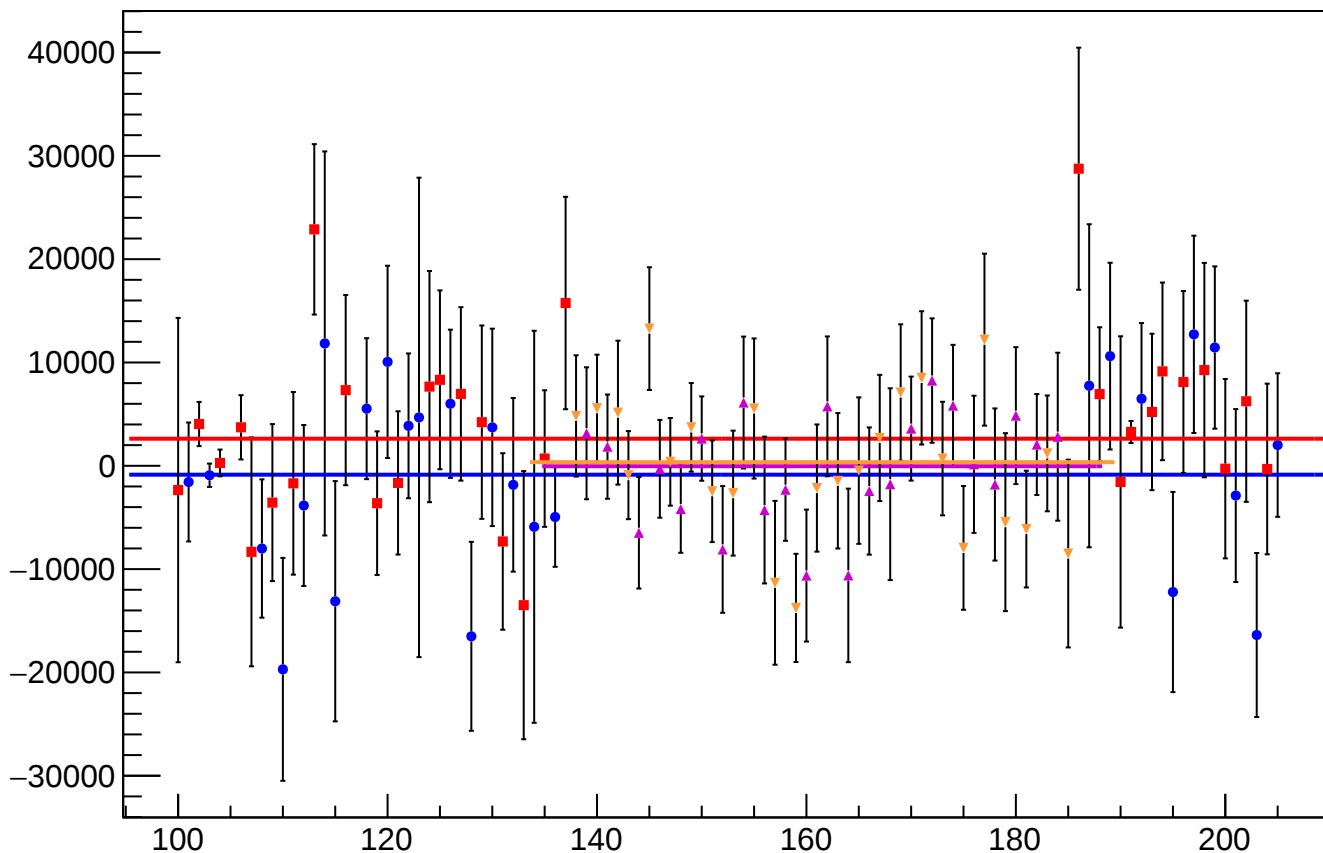
Left In: 1758.076 $\pm$ 0.298 χ^2 /NDF: 29806.0/22

+ sign 1804.460 $\pm$ 0.229 χ^2 /NDF: 418105.1/50

All: 1808.835 $\pm$ 0.162 χ^2 /NDF: 916089.1/103

- sign 1813.245 $\pm$ 0.230 χ^2 /NDF: 497250.2/52

asym_atl1r2_avg_correction_mean vs Slug



Right In: -860.628 ± 930.980 χ^2/NDF : 26.4/25

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2623.658 ± 685.508 χ^2/NDF : 26.6/29

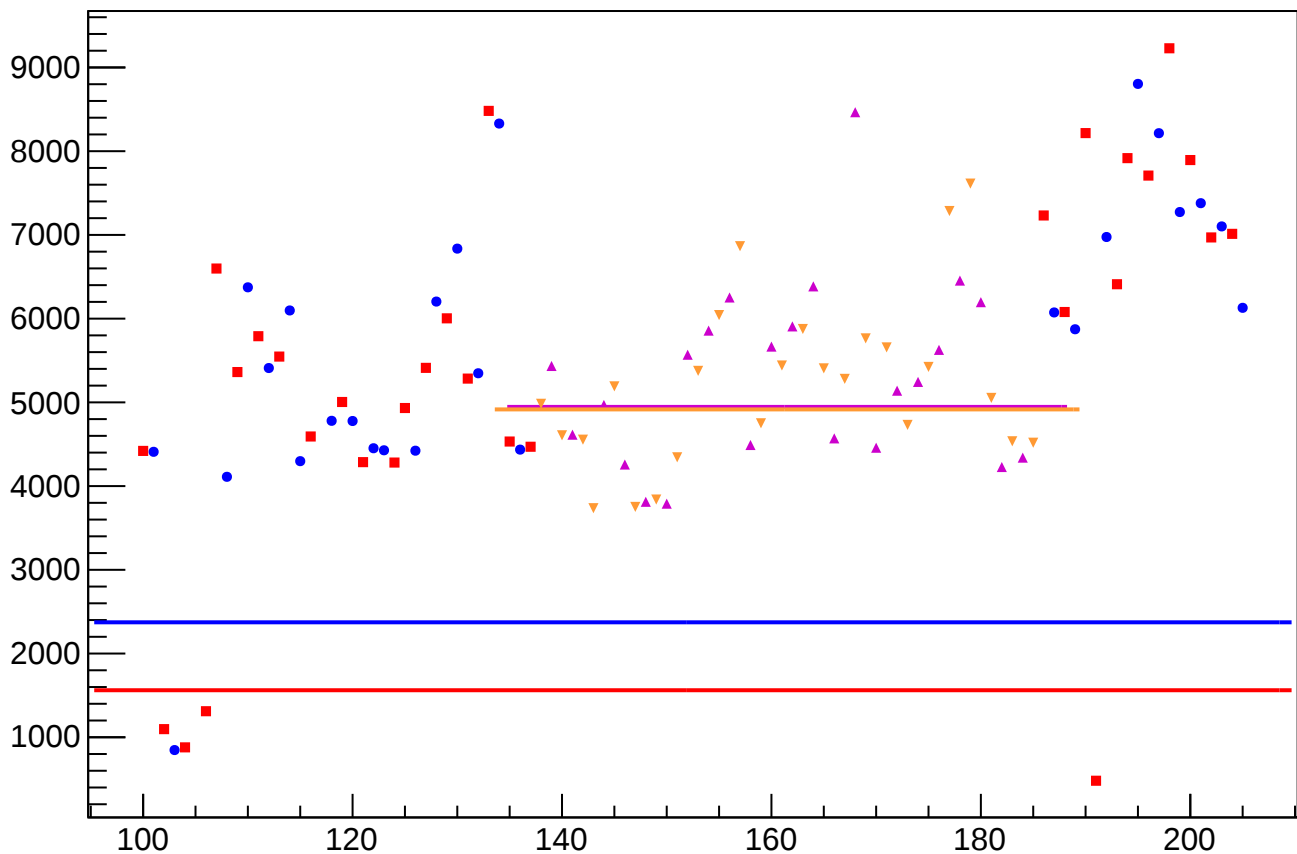
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -390.832 ± 728.508 χ^2/NDF : 54.9/50

All: 1025.717 ± 461.359 χ^2/NDF : 107.5/103

- sign 1974.266 ± 596.140 χ^2/NDF : 46.3/52

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2372.983 $\pm$ 0.658 χ^2 /NDF: 12708549.3/25

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1561.700 $\pm$ 0.485 χ^2 /NDF: 16844222.5/29

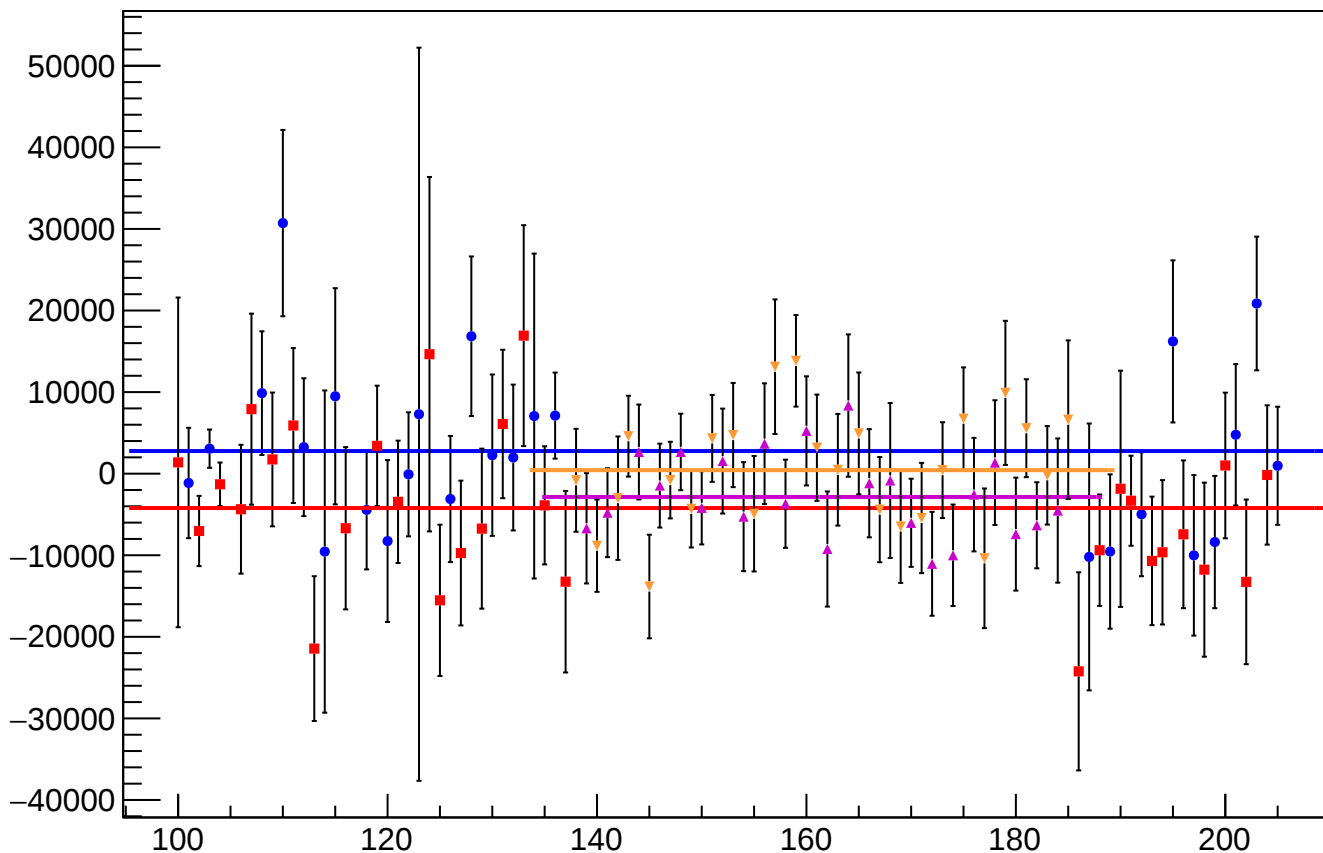
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3358.773 $\pm$ 0.515 χ^2 /NDF: 19679459.0/50

All: 2776.469 $\pm$ 0.326 χ^2 /NDF: 51725590.1/100

- sign 2386.547 $\pm$ 0.422 χ^2 /NDF: 29912699.3/52

asym_atl1r2_avg_mean vs Slug



Right In: 2773.656+/-1412.375 χ^2/NDF : 27.4/25

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -4213.981+/-1362.716 χ^2/NDF : 22.8/29

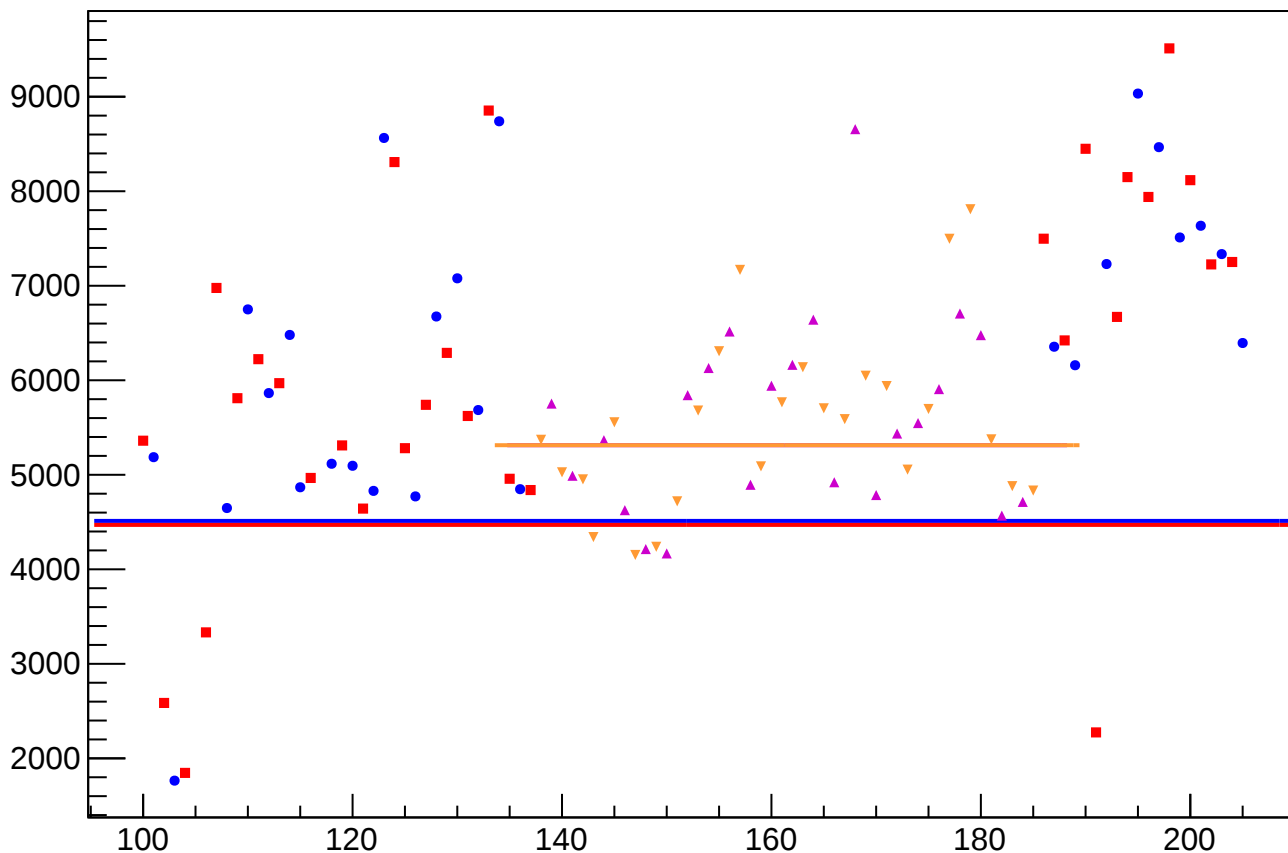
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 1467.522+/-939.510 χ^2/NDF : 56.0/50

All: -1021.628+/-663.697 χ^2/NDF : 106.2/103

- sign -3501.253+/-937.711 χ^2/NDF : 36.2/52

asym_atl1r2_avg_rms vs Slug



Right In: 4512.121+/-0.999 χ^2 /NDF: 5308869.1/25

Left Out: 5313.008+/-0.890 χ^2 /NDF:894369.8/24

Right Out: 4469.970+/-0.959 χ^2 /NDF: 5812316.9/29

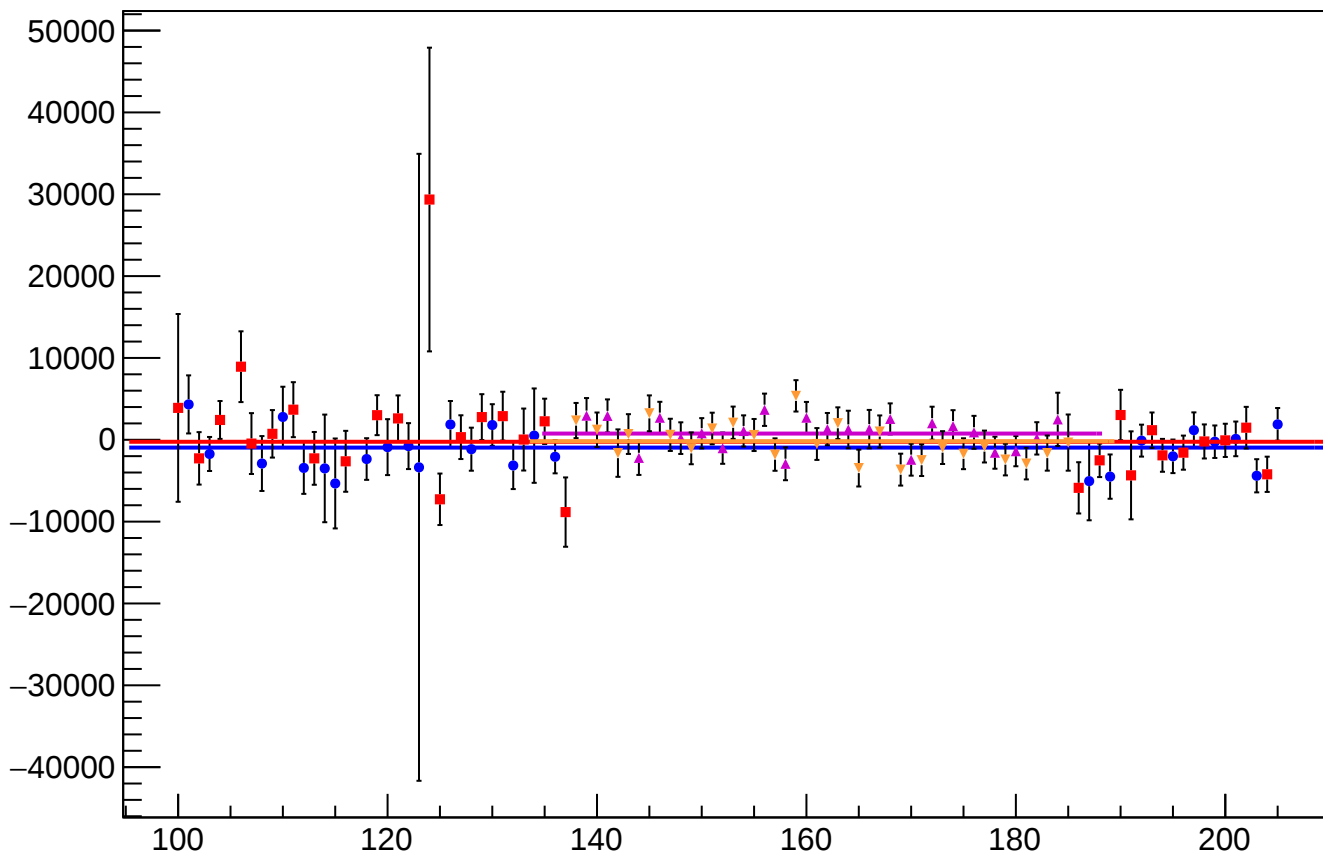
Left In: 5312.861+/-0.914 χ^2 /NDF:957400.7/22

+ sign 4958.624+/-0.664 χ^2 /NDF: 6561768.7/50

All: 4935.076+/-0.469 χ^2 /NDF: 13738887.8/100

- sign 4911.725+/-0.662 χ^2 /NDF: 7174616.8/52

reg_asym_atl1r2_dd_mean vs Slug



Right In: -954.481 ± 521.519 χ^2/NDF : 17.7/25

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -242.811 ± 510.079 χ^2/NDF : 37.8/29

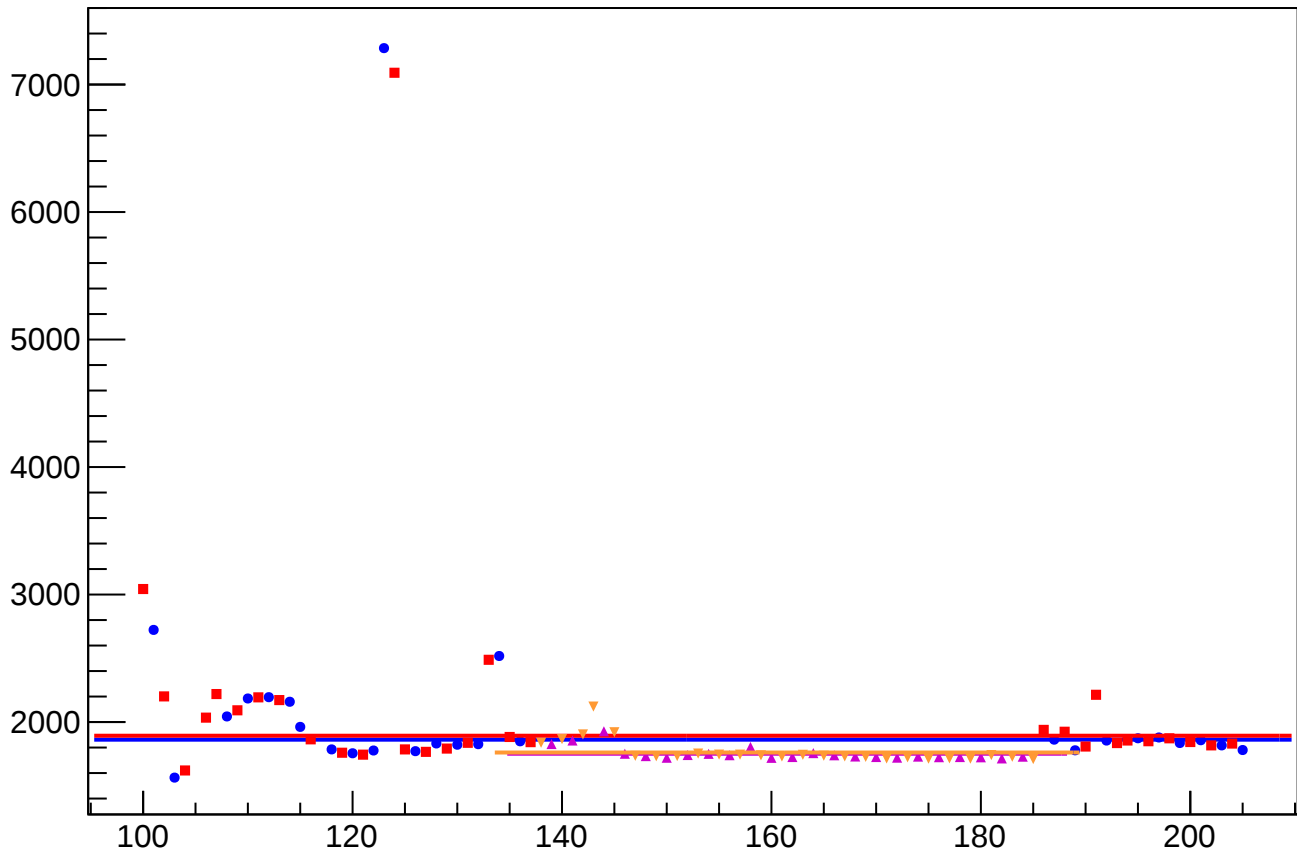
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -476.575 ± 322.794 χ^2/NDF : 48.3/50

All: -62.689 ± 228.741 χ^2/NDF : 112.0/103

- sign 354.778 ± 324.187 χ^2/NDF : 60.4/52

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1861.763 $\pm$ 0.369 χ^2/NDF : 288230.9/25

Left Out: 1761.091 $\pm$ 0.291 χ^2/NDF : 77468.5/24

Right Out: 1892.729 $\pm$ 0.360 χ^2/NDF : 370626.0/29

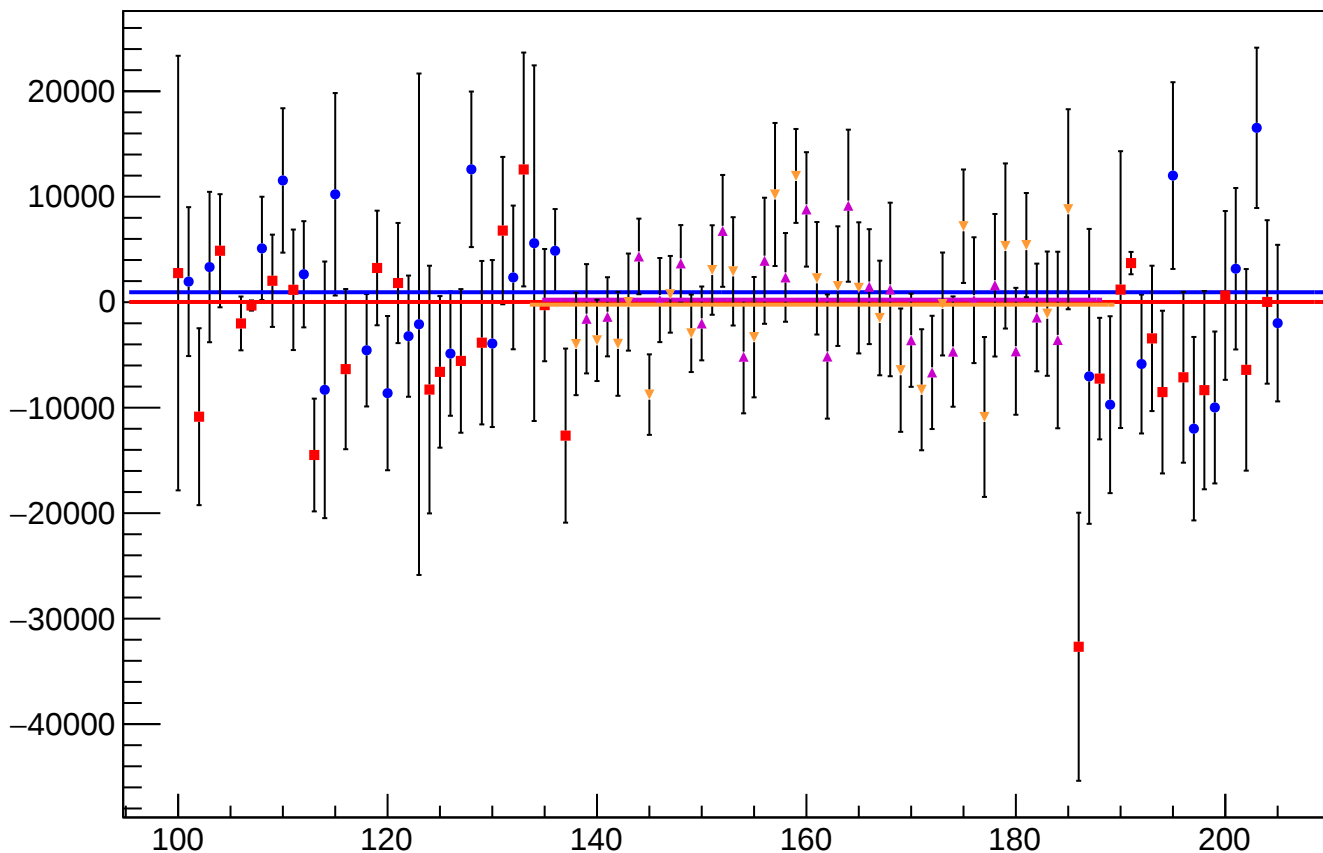
Left In: 1751.418 $\pm$ 0.297 χ^2/NDF : 28578.7/22

+ sign 1799.658 $\pm$ 0.228 χ^2/NDF : 411674.9/50

All: 1804.086 $\pm$ 0.162 χ^2/NDF : 903212.8/103

- sign 1808.550 $\pm$ 0.229 χ^2/NDF : 490782.1/52

asym_atl1r2_dd_correction_mean vs Slug



Right In: 944.936 ± 1363.287 χ^2/NDF : 26.7/25

Left Out: -235.806 ± 1005.144 χ^2/NDF : 28.9/24

Right Out: 21.922 ± 411.804 χ^2/NDF : 43.1/29

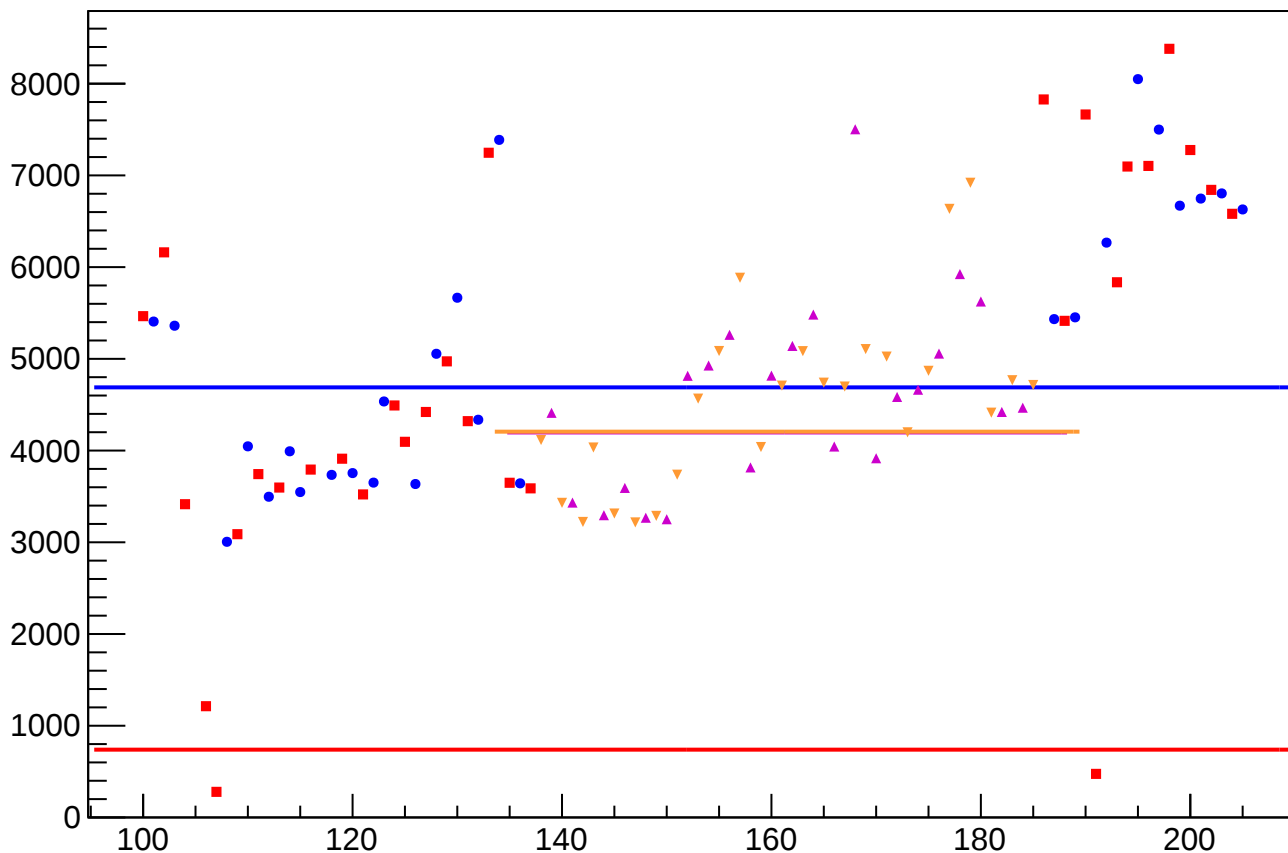
Left In: 239.224 ± 1028.883 χ^2/NDF : 15.3/22

+ sign 180.010 ± 809.022 χ^2/NDF : 56.0/50

All: 75.309 ± 345.664 χ^2/NDF : 114.5/103

- sign 51.927 ± 382.318 χ^2/NDF : 58.5/52

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4688.987+/-0.964 χ^2/NDF : 2118912.8/25

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 739.208+/-0.291 χ^2/NDF : 21306475.3/29

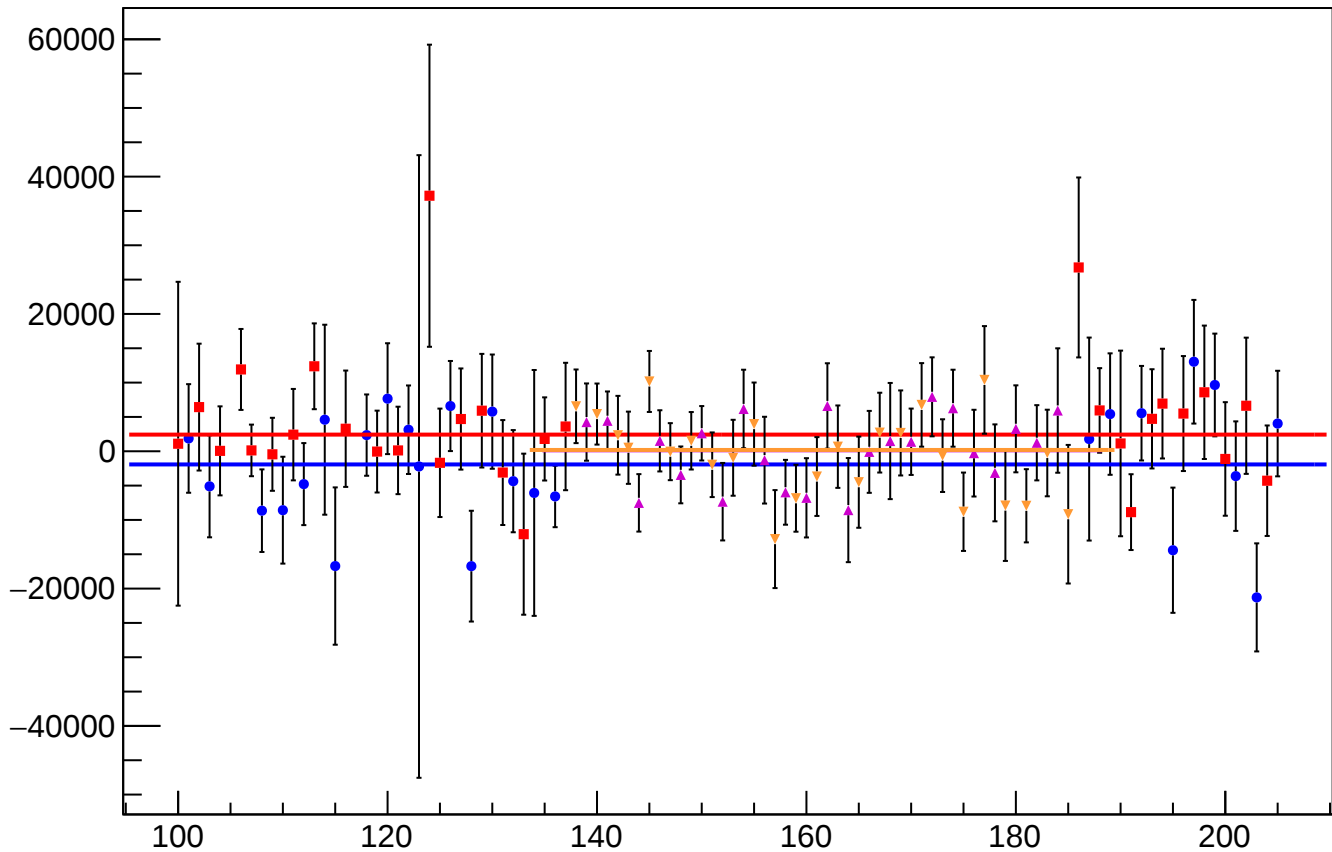
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4376.140+/-0.572 χ^2/NDF : 3723757.3/50

All: 1793.450+/-0.244 χ^2/NDF : 70908336.2/1

- sign 1216.682+/-0.270 χ^2/NDF : 42250445.6/52

asym_atl1r2_dd_mean vs Slug



Right In: -1918.354 ± 1505.664 χ^2/NDF : 29.9/25

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2425.948 ± 1322.223 χ^2/NDF : 21.5/29

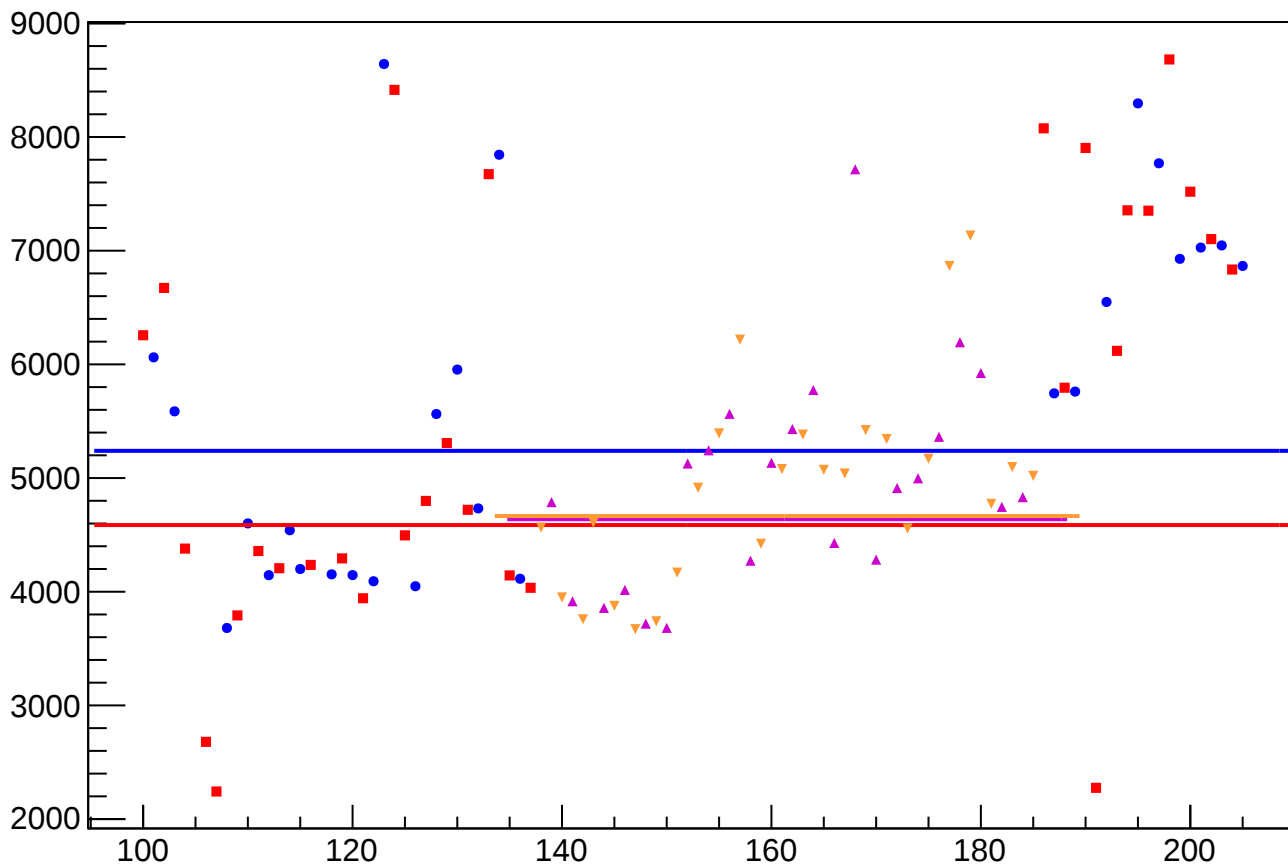
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -549.837 ± 891.808 χ^2/NDF : 56.1/50

All: 307.702 ± 618.633 χ^2/NDF : 99.8/103

- sign 1103.081 ± 858.878 χ^2/NDF : 41.9/52

asym_atl1r2_dd_rms vs Slug



Right In: 5239.288+/-1.065 χ^2 /NDF: 1564231.6/25

Left Out: 4665.620+/-0.783 χ^2 /NDF:1017235.0/24

Right Out: 4586.590+/-0.931 χ^2 /NDF: 3586768.0/29

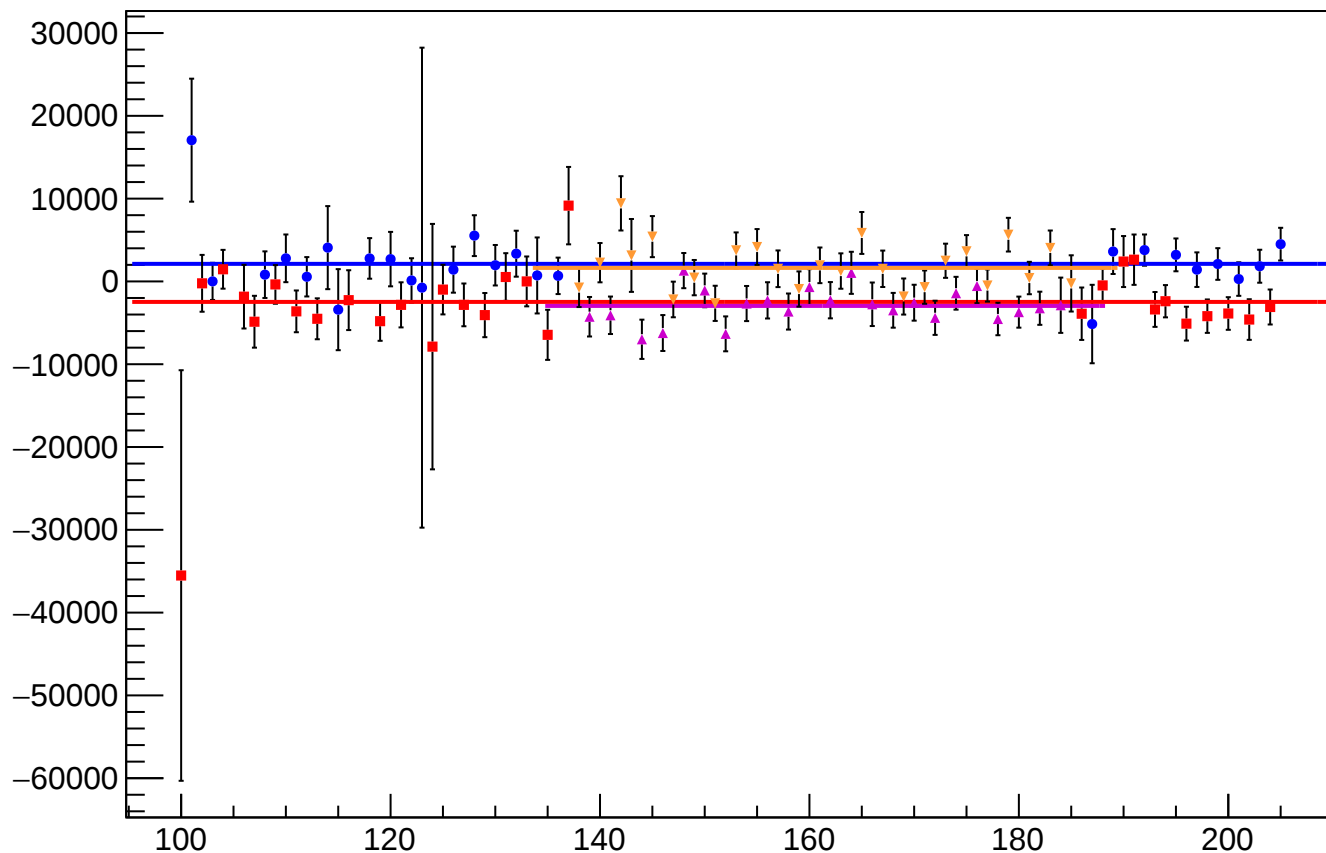
Left In: 4637.777+/-0.799 χ^2 /NDF:1065217.2/22

+ sign 4866.875+/-0.631 χ^2 /NDF: 2769943.9/50

All: 4736.515+/-0.437 χ^2 /NDF: 7505890.3/10

- sign 4616.066+/-0.606 χ^2 /NDF: 4653726.9/52

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2121.635 ± 503.901 χ^2/NDF : 16.6/25

Left Out: 1630.035 ± 447.063 χ^2/NDF : 35.4/24

Right Out: -2474.386 ± 482.091 χ^2/NDF : 29.2/29

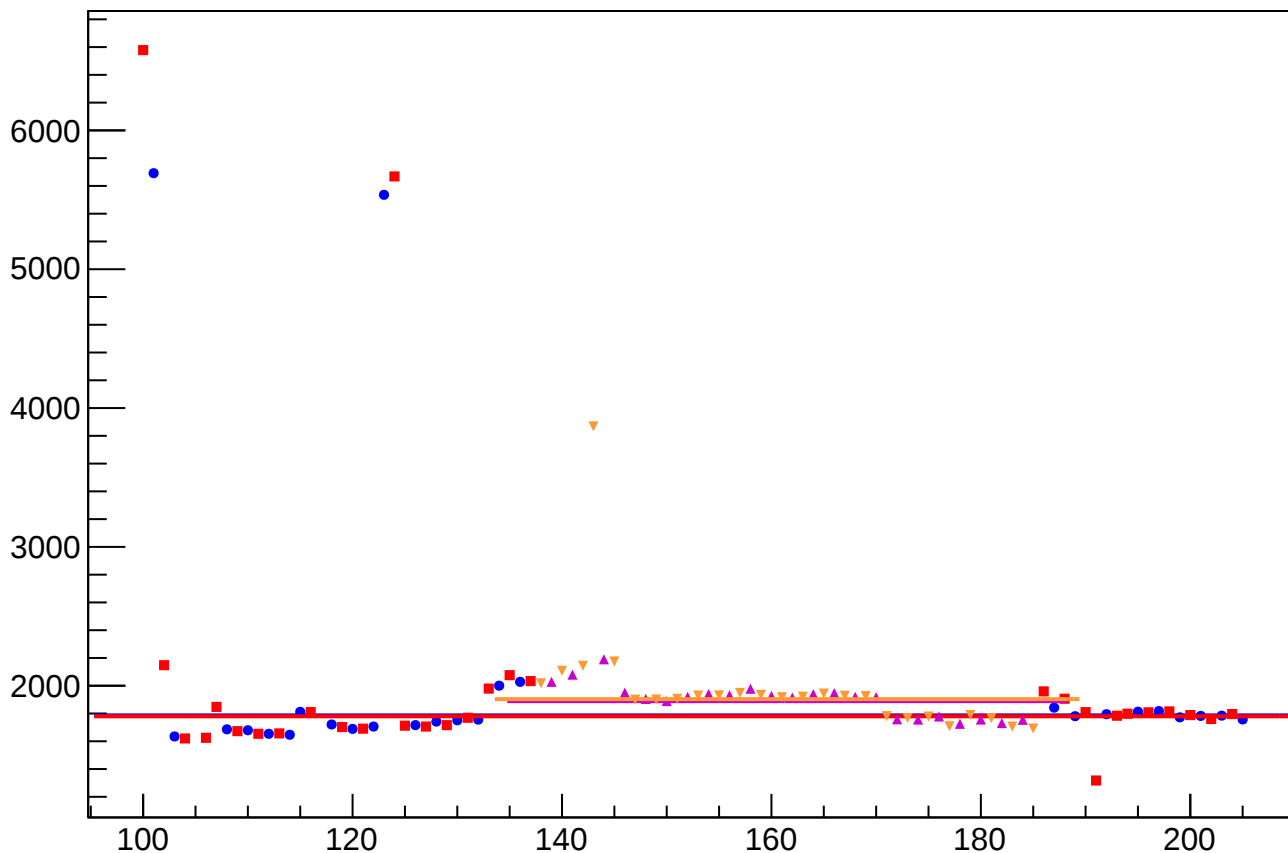
Left In: -2958.620 ± 453.688 χ^2/NDF : 20.4/22

+ sign 1846.557 ± 334.419 χ^2/NDF : 52.5/50

All: -470.049 ± 235.033 χ^2/NDF : 197.5/103

- sign -2731.187 ± 330.391 χ^2/NDF : 50.1/52

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1786.289 $\pm$ 0.356 χ^2 /NDF: 646340.9/25

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1779.723 $\pm$ 0.340 χ^2 /NDF: 368840.6/29

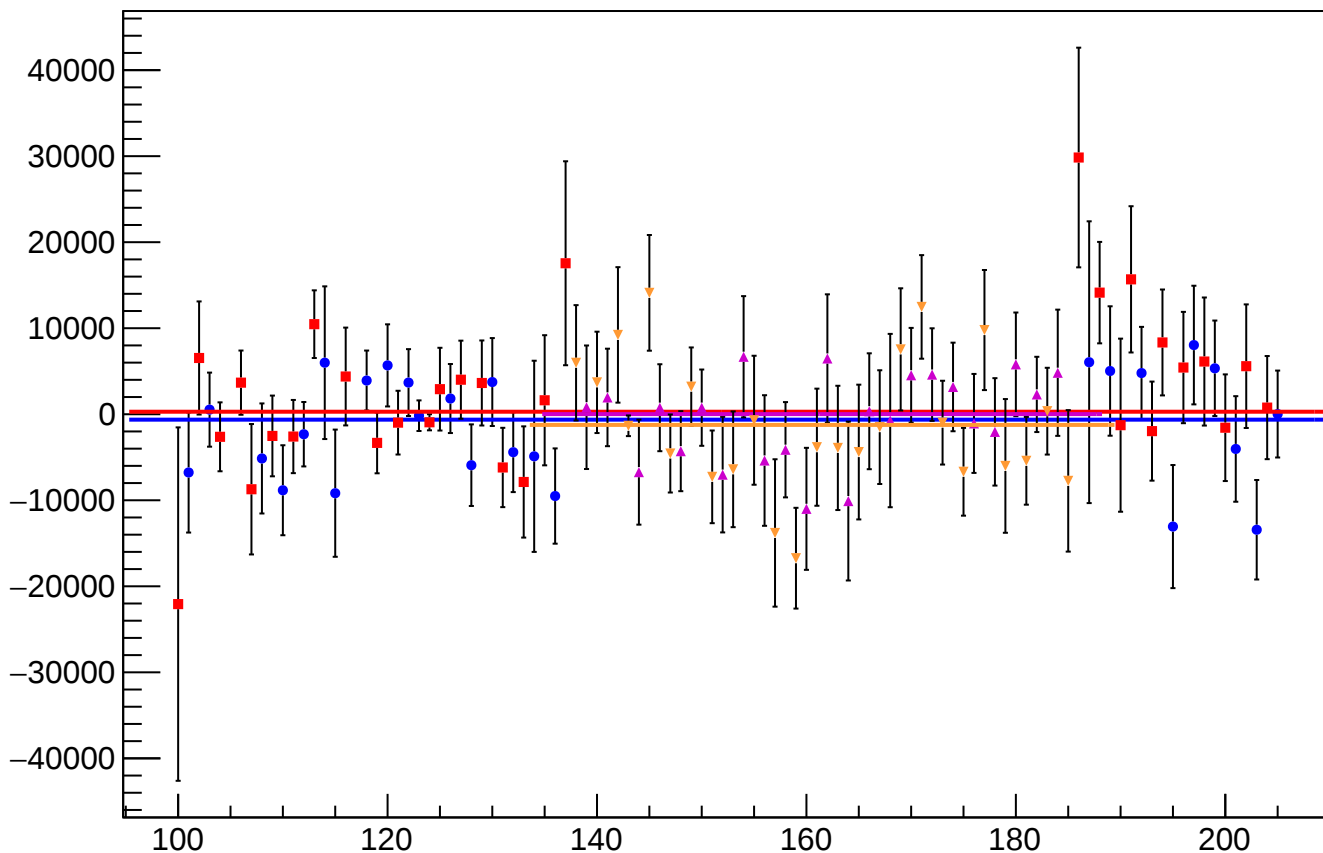
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1851.941 $\pm$ 0.236 χ^2 /NDF: 1248590.1/50

All: 1844.596 $\pm$ 0.166 χ^2 /NDF: 1800372.7/10

- sign 1837.450 $\pm$ 0.233 χ^2 /NDF: 549879.2/52

asym_atr1l2_avg_correction_mean vs Slug



Right In: -629.626+/-911.660 χ^2/NDF : 29.1/25

Left Out: -1239.833+/-865.201 χ^2/NDF : 33.9/24

Right Out: 293.423+/-685.470 χ^2/NDF : 40.8/29

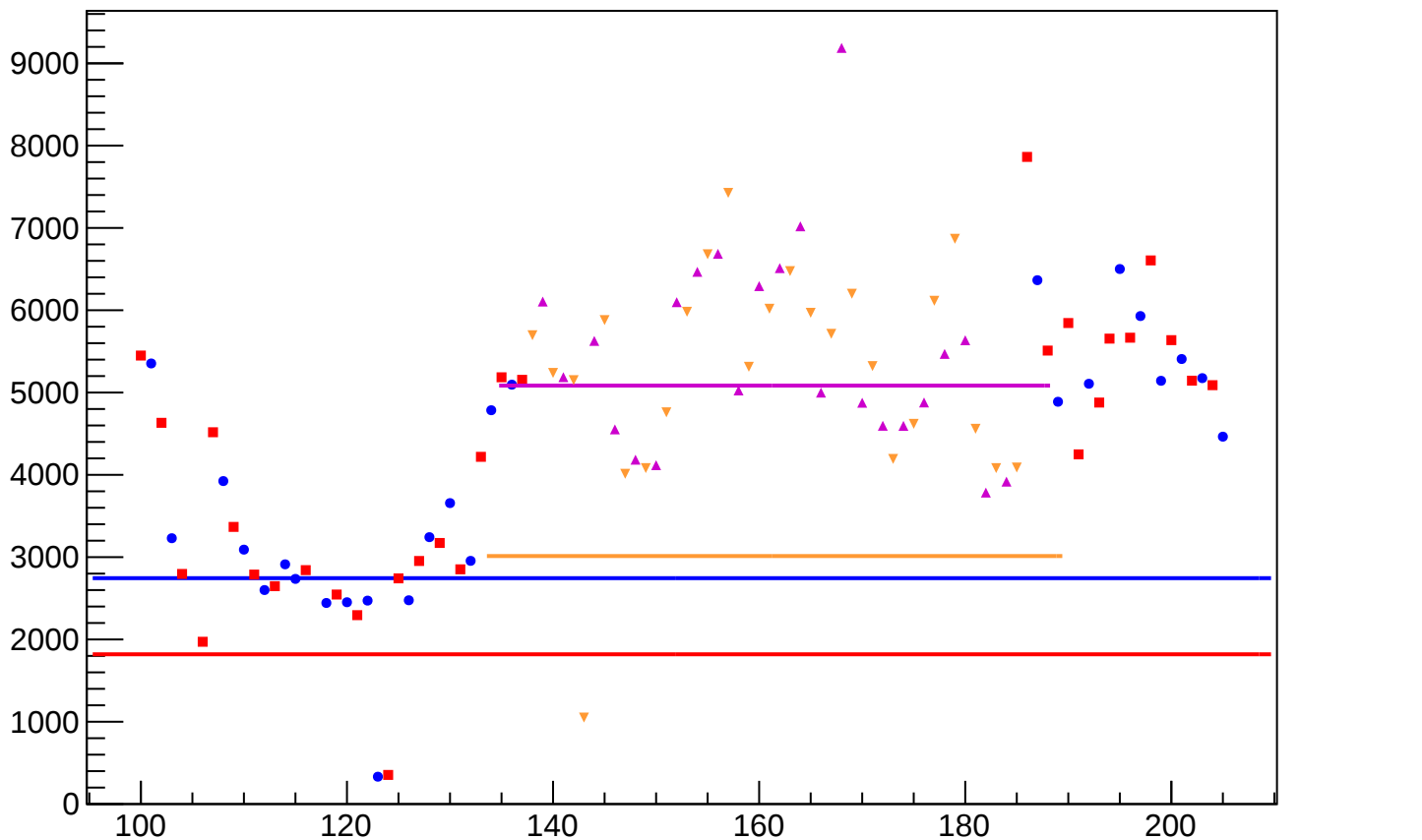
Left In: 15.863+/-1243.317 χ^2/NDF : 13.2/22

+ sign -950.673+/-627.571 χ^2/NDF : 63.3/50

All: -334.778+/-433.791 χ^2/NDF : 119.2/103

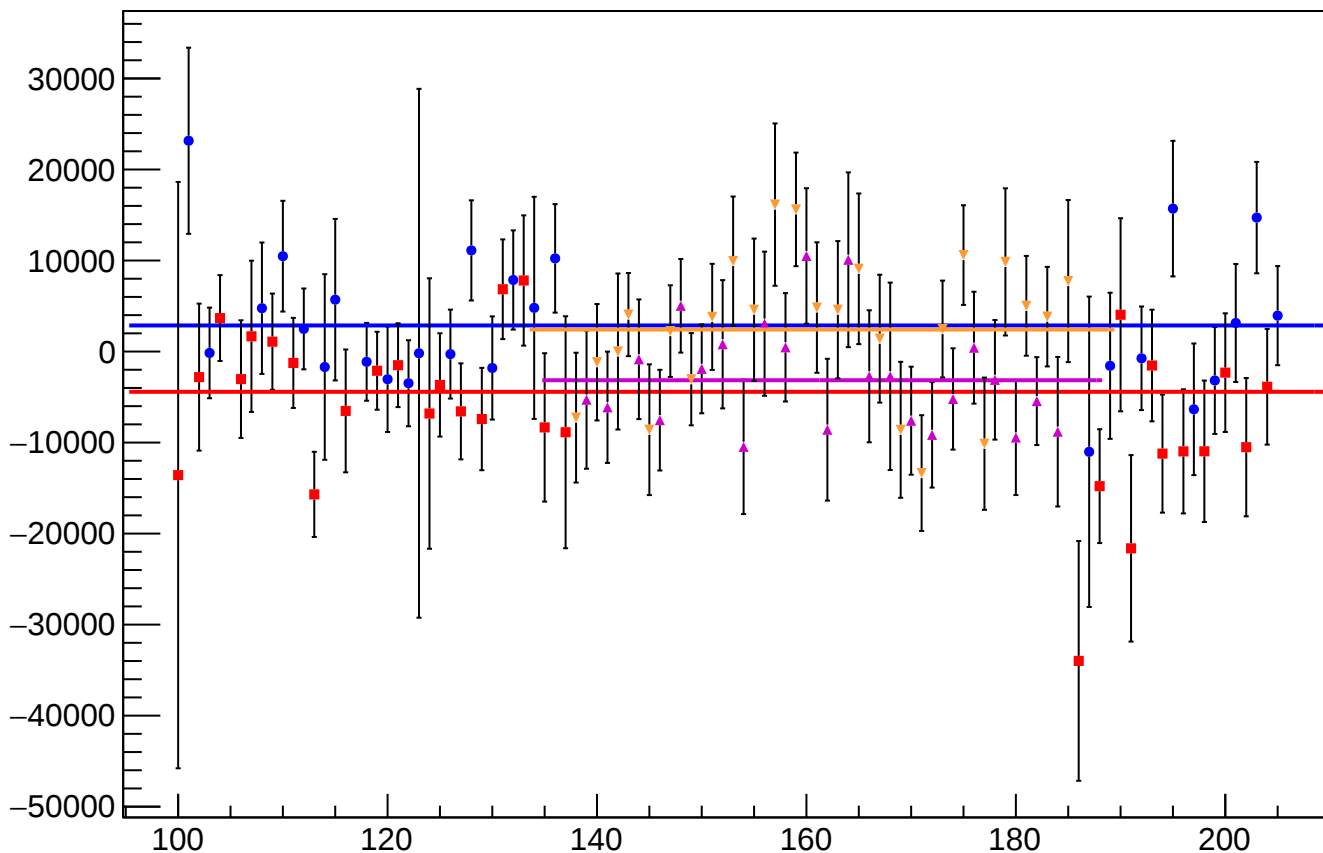
- sign 228.723+/-600.284 χ^2/NDF : 54.1/52

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2744.701+/-0.645	χ^2/NDF : 7584855.5/25	+ sign 2886.002+/-0.444	χ^2/NDF : 19946928.4/50
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2726.571+/-0.307	χ^2/NDF : 46034381.8/1
Right Out: 1819.609+/-0.485	χ^2/NDF : 13959307.4/29	- sign 2580.702+/-0.424	χ^2/NDF : 25840278.8/52
Left In: 5084.645+/-0.879	χ^2/NDF : 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2866.421+/-1217.663 χ^2/NDF : 26.5/25

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -4423.573+/-1173.078 χ^2/NDF : 34.7/29

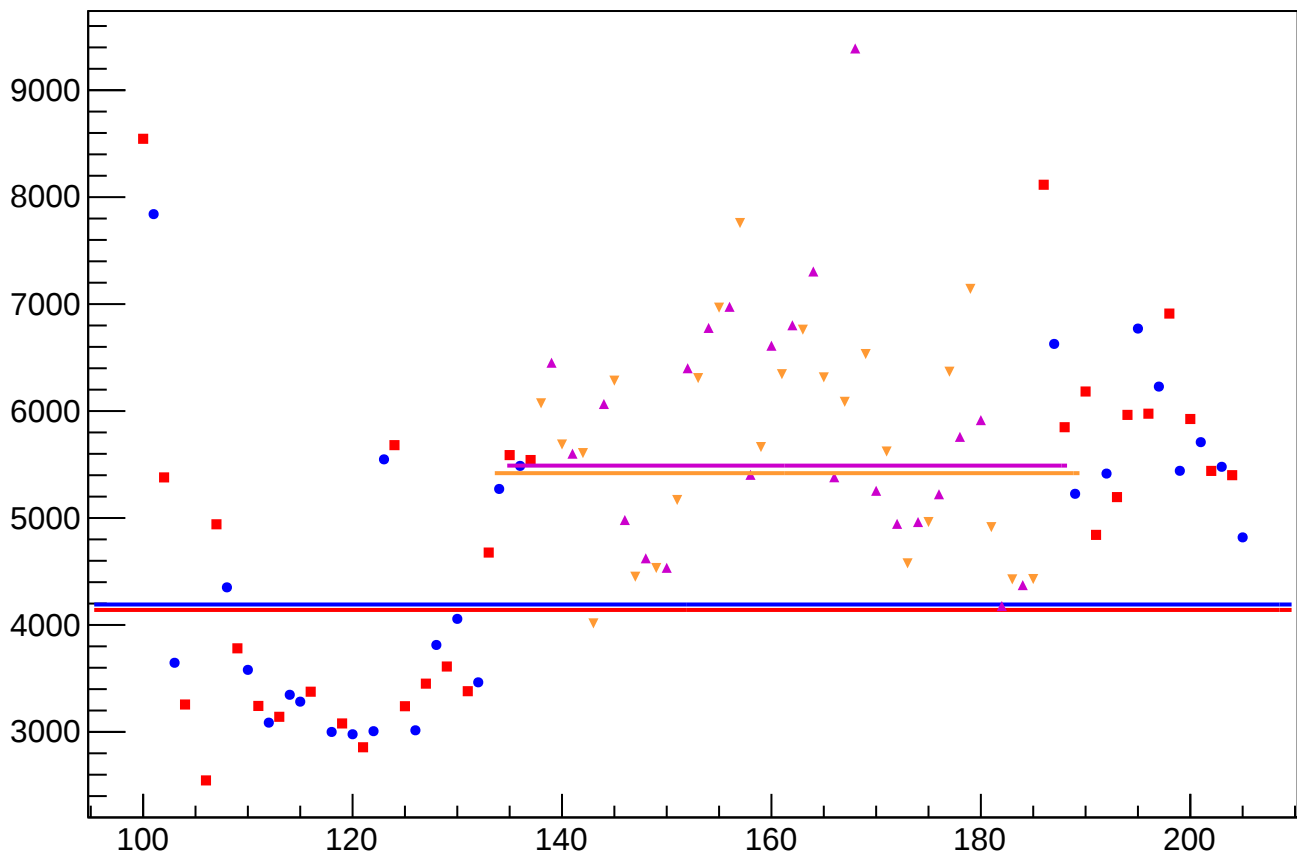
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2654.151+/-884.347 χ^2/NDF : 56.5/50

All: -617.635+/-624.458 χ^2/NDF : 134.5/103

- sign -3871.281+/-881.892 χ^2/NDF : 50.7/52

asym_atr1l2_avg_rms vs Slug



Right In: 4191.353+/-0.861 χ^2/NDF : 1984594.1/25

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 4140.329+/-0.821 χ^2/NDF : 2420463.8/29

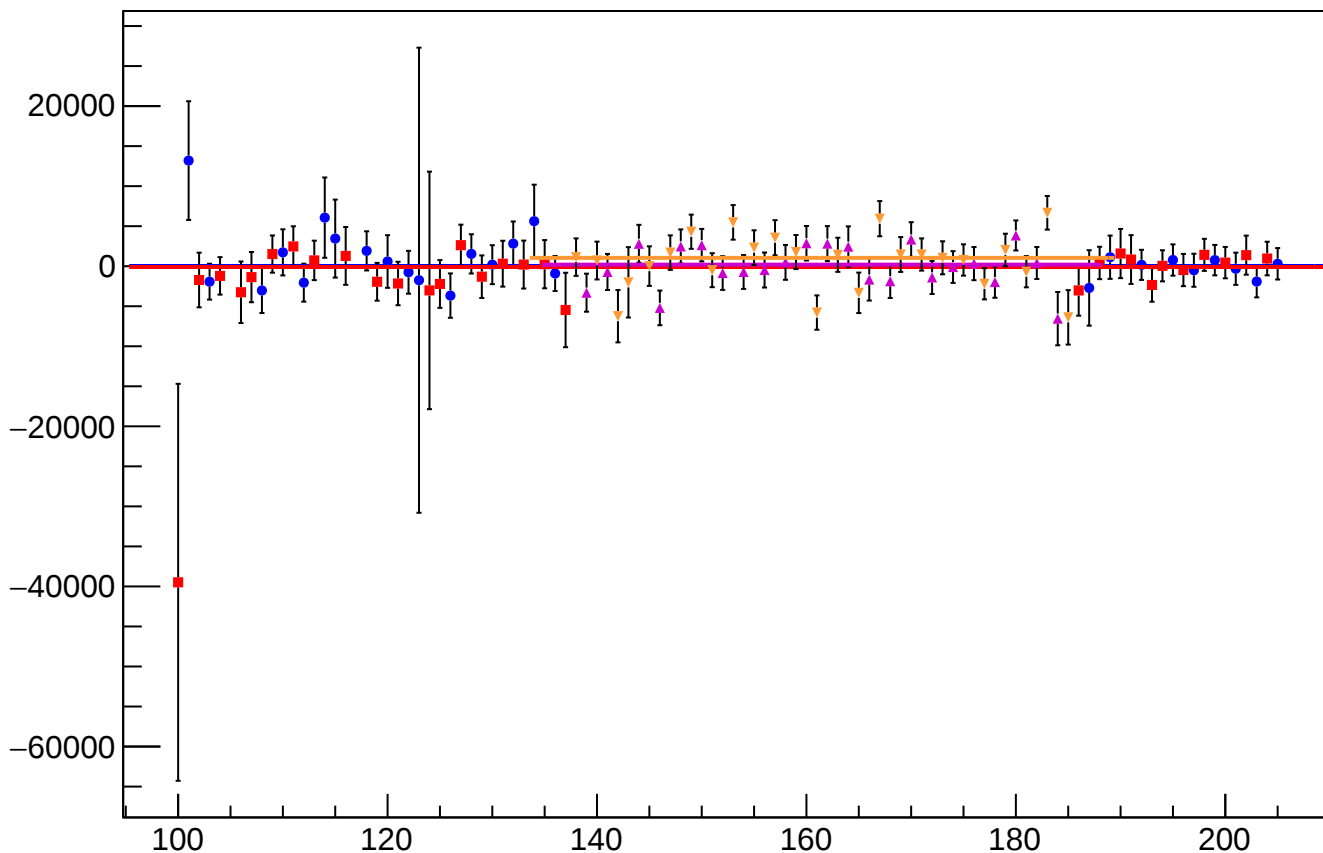
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4771.605+/-0.625 χ^2/NDF : 4055685.8/50

All: 4745.797+/-0.440 χ^2/NDF : 8705056.4/100

- sign 4720.427+/-0.620 χ^2/NDF : 4645992.8/52

reg_asym_atr1l2_dd_mean vs Slug



Right In: 28.248+/-501.356 χ^2/NDF : 15.6/25

Left Out: 1041.262+/-446.249 χ^2/NDF :48.6/24

Right Out: -96.985+/-479.900 χ^2/NDF : 13.8/29

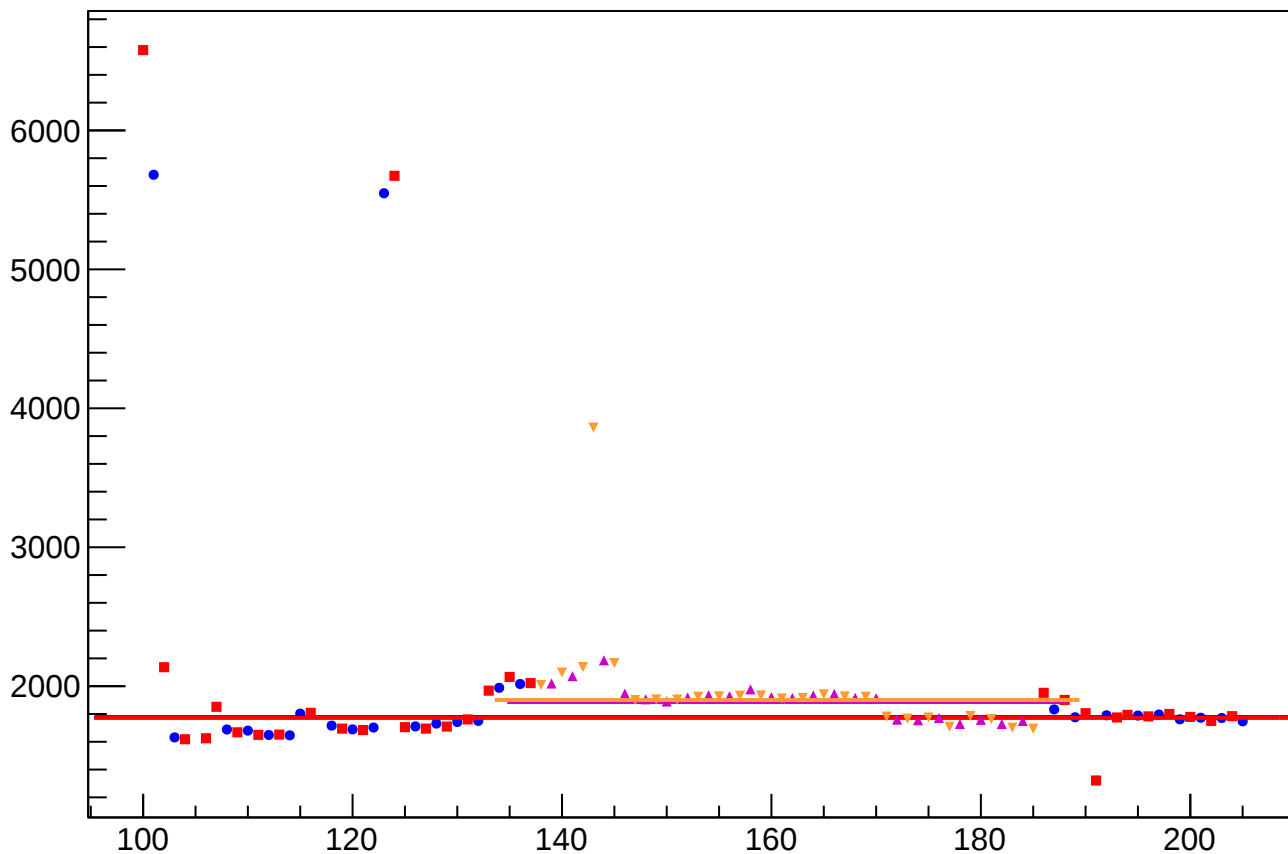
Left In: 191.966+/-453.055 χ^2/NDF :30.0/22

+ sign 593.467+/-333.333 χ^2/NDF : 66.5/50

All: 321.475+/-234.313 χ^2/NDF : 111.8/103

- sign 55.798+/-329.440 χ^2/NDF : 44.0/52

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1777.380 $\pm$ 0.355 χ^2 /NDF: 644226.5/25

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1771.858 $\pm$ 0.338 χ^2 /NDF: 365480.7/29

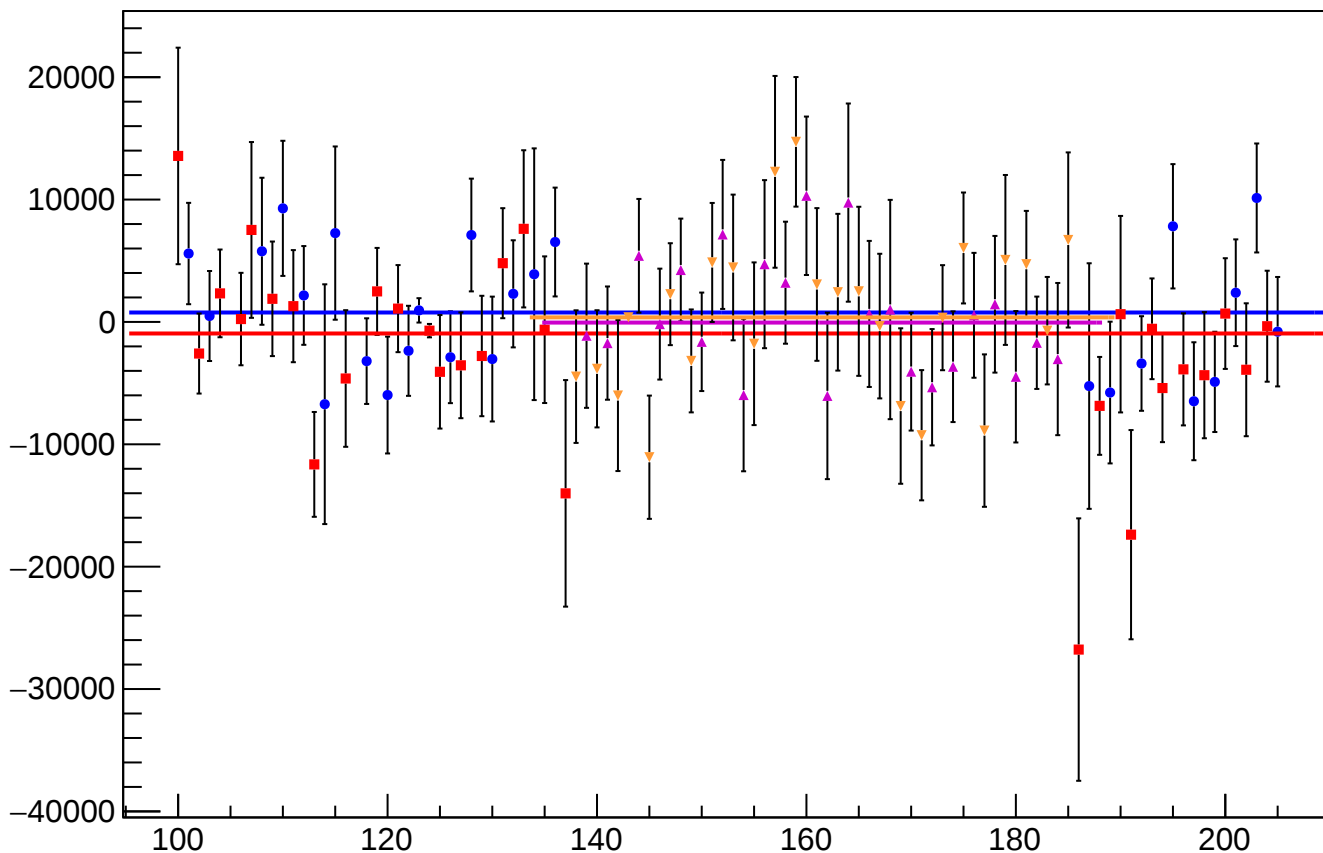
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1845.961 $\pm$ 0.236 χ^2 /NDF: 1249191.7/50

All: 1838.997 $\pm$ 0.166 χ^2 /NDF: 1800352.0/10

- sign 1832.217 $\pm$ 0.233 χ^2 /NDF: 549437.4/52

asym_atr1l2_dd_correction_mean vs Slug



Right In: 770.628 ± 679.907 χ^2/NDF : 28.9/25

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -944.255 ± 465.154 χ^2/NDF : 34.4/29

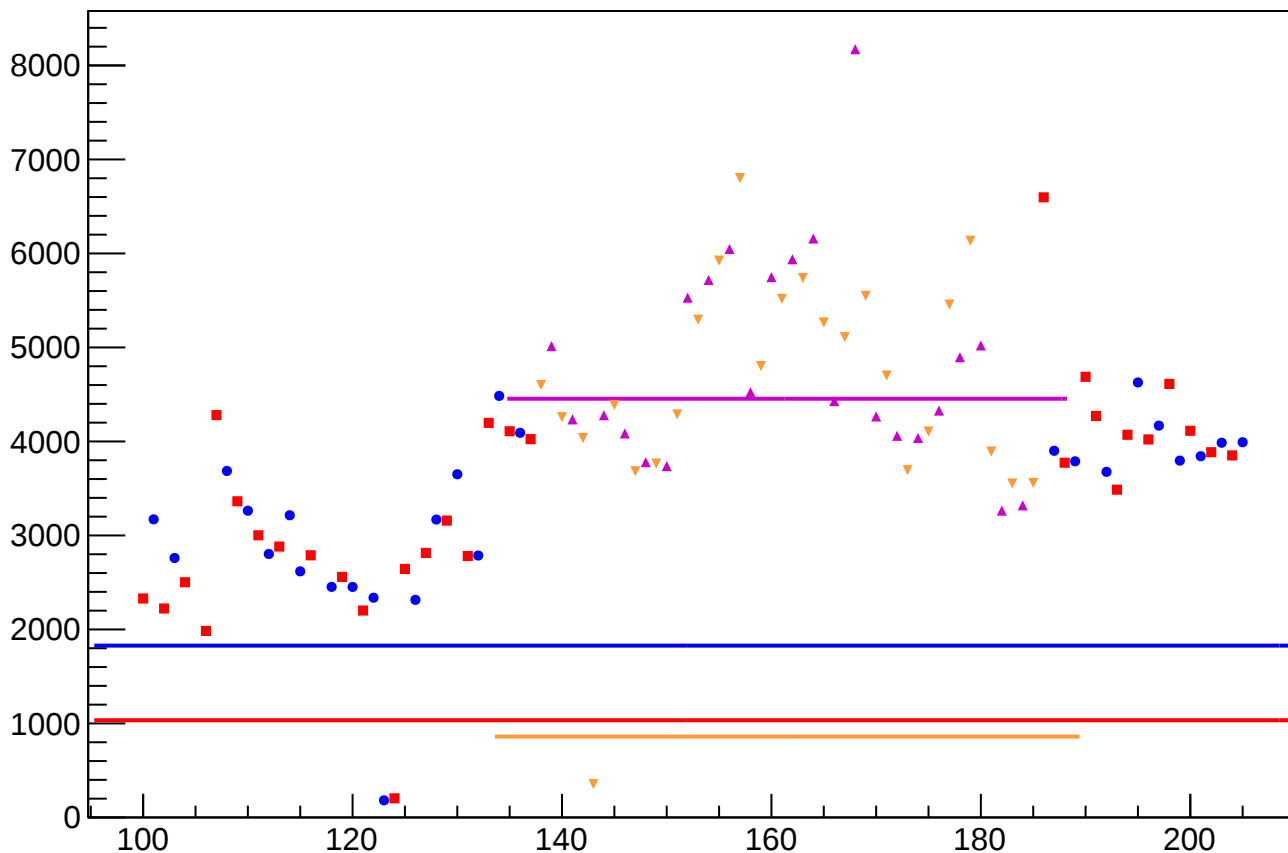
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 468.640 ± 333.083 χ^2/NDF : 60.0/50

All: -12.758 ± 262.820 χ^2/NDF : 115.0/103

- sign -806.942 ± 427.820 χ^2/NDF : 49.5/52

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1828.123+/-0.481 χ^2/NDF : 11337272.9/25

Left Out: 860.545+/-0.270 χ^2/NDF : 26340106.5/24

Right Out: 1034.092+/-0.329 χ^2/NDF : 18161151.4/29

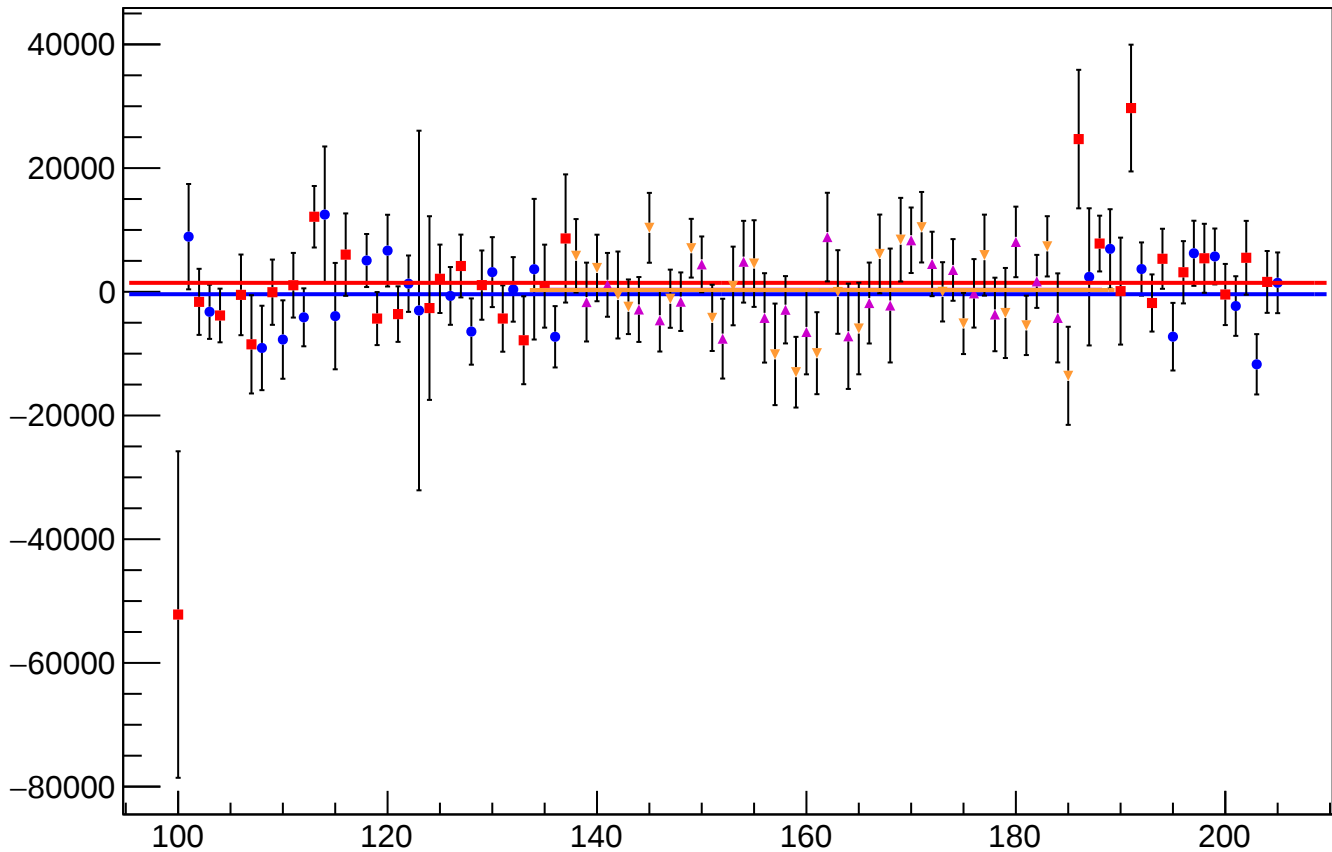
Left In: 4454.402+/-0.771 χ^2/NDF : 1349758.1/22

+ sign 1092.761+/-0.236 χ^2/NDF : 40755729.9/50

All: 1269.512+/-0.186 χ^2/NDF : 78420839.8/52

- sign 1561.108+/-0.303 χ^2/NDF : 36172807.3/52

asym_atr1l2_dd_mean vs Slug



Right In: -389.365 ± 1089.906 χ^2/NDF : 26.7/25

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 1448.194 ± 1046.881 χ^2/NDF : 35.9/29

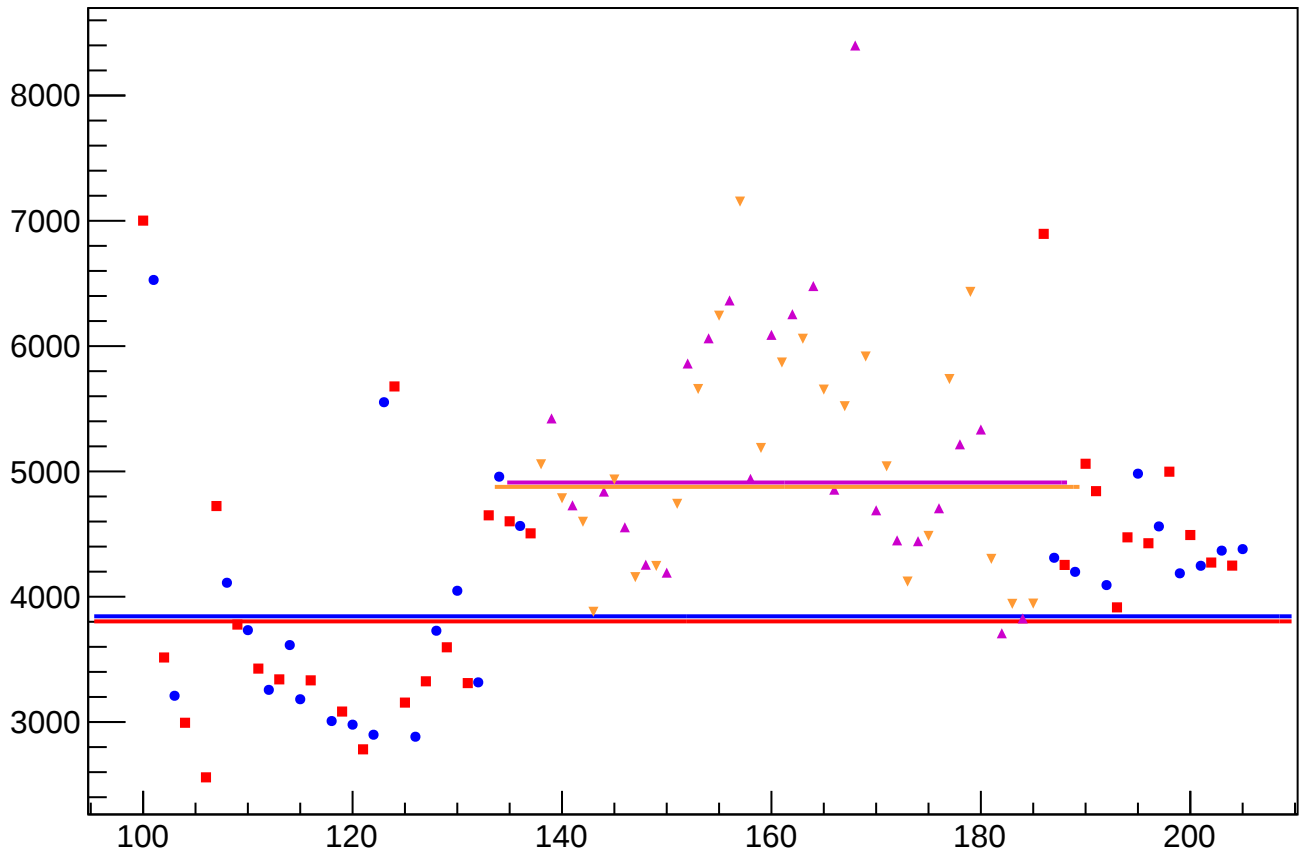
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign -70.190 ± 792.829 χ^2/NDF : 59.3/50

All: 450.336 ± 558.806 χ^2/NDF : 111.2/103

- sign 964.198 ± 787.737 χ^2/NDF : 51.0/52

asym_atr1l2_dd_rms vs Slug



Right In: 3843.724+/-0.771 χ^2/NDF : 884704.4/25

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3803.174+/-0.734 χ^2/NDF : 1075226.6/29

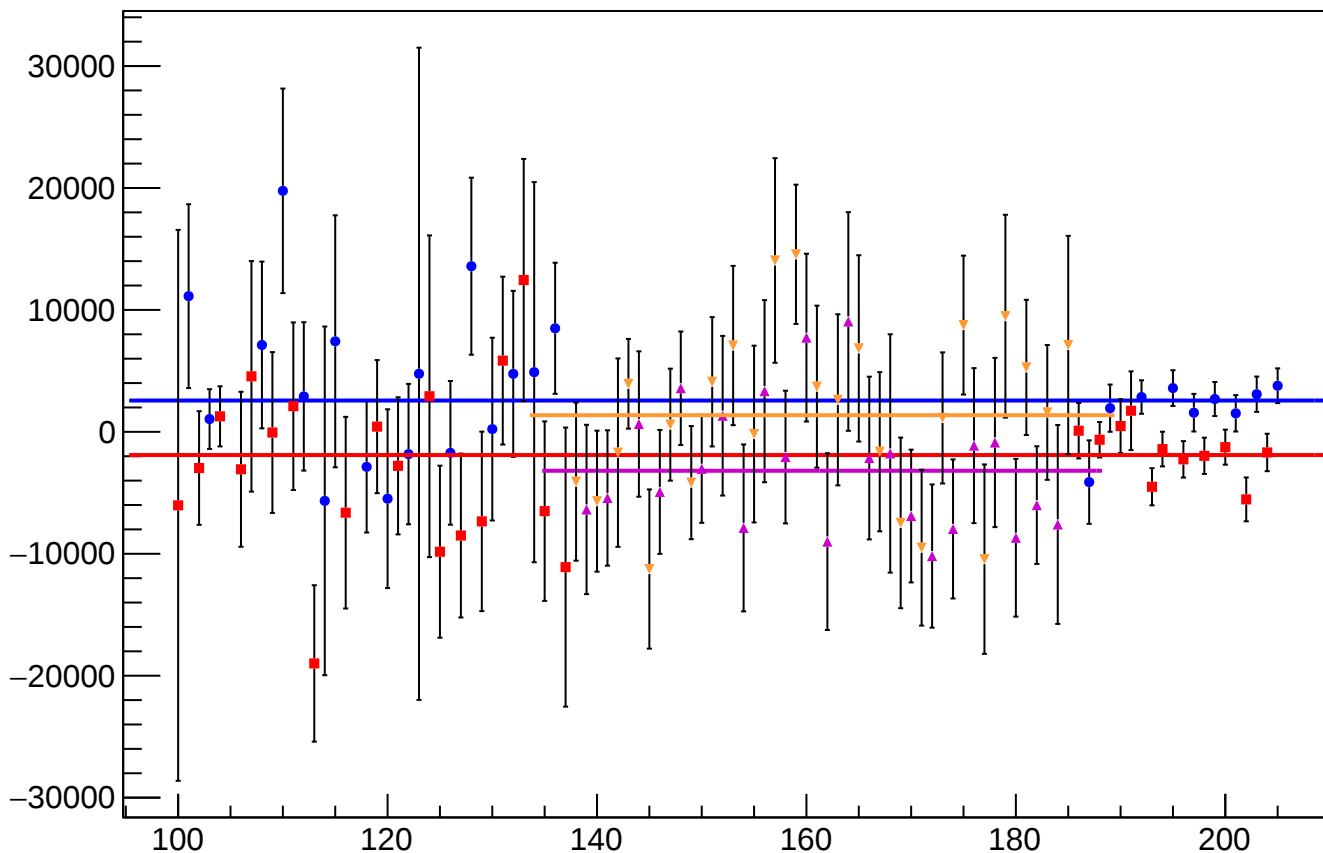
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4330.032+/-0.561 χ^2/NDF : 2702899.5/50

All: 4304.525+/-0.394 χ^2/NDF : 5804746.5/100

- sign 4279.575+/-0.554 χ^2/NDF : 3097752.0/52

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2568.560 $\pm$ 489.533 χ^2 /NDF: 20.2/25

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -1901.530 $\pm$ 469.741 χ^2 /NDF: 29.0/29

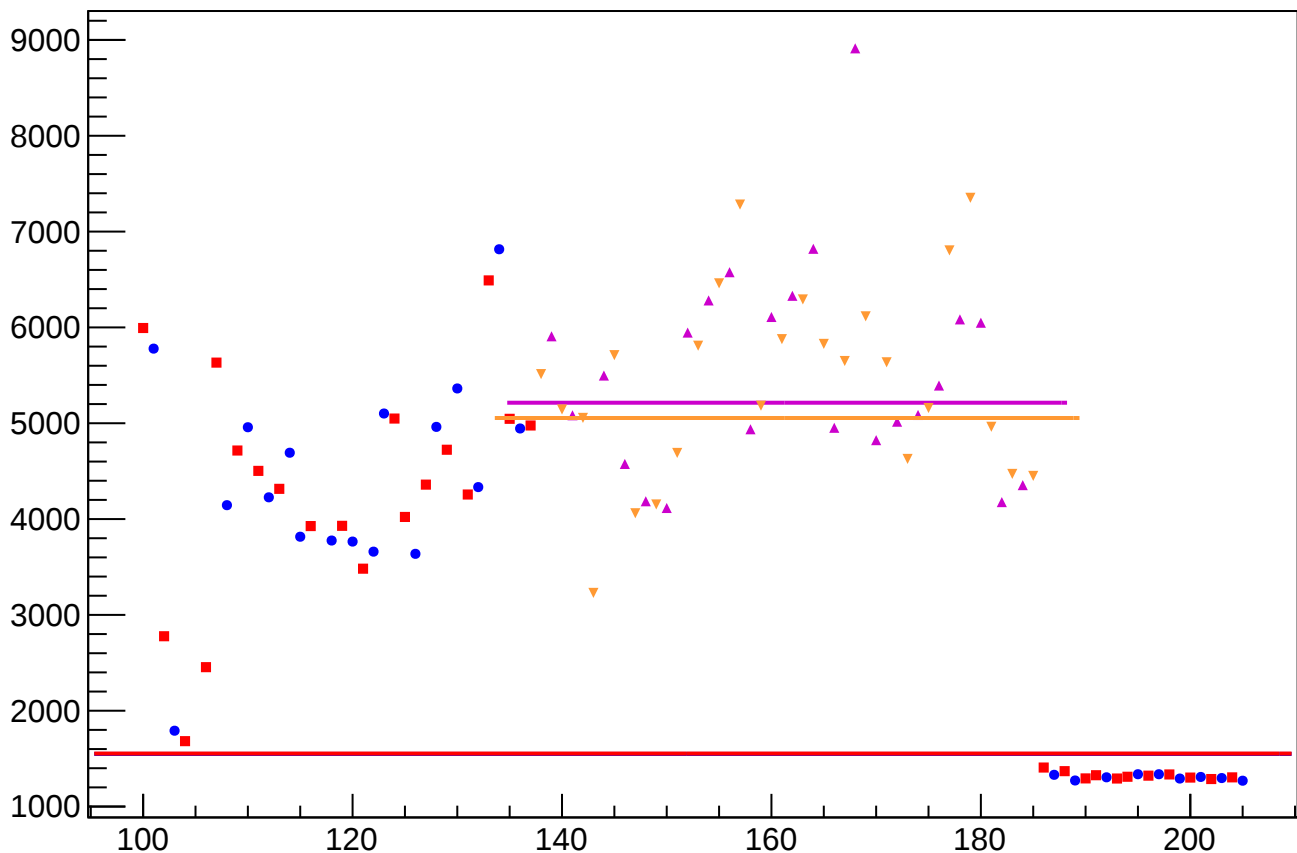
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2398.383 $\pm$ 453.603 χ^2 /NDF: 49.0/50

All: 105.912 $\pm$ 316.038 χ^2 /NDF: 142.5/103

- sign -2056.724 $\pm$ 440.571 χ^2 /NDF: 43.9/52

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1548.983+/-0.346 χ^2/NDF : 5698319.1/25

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 1553.034+/-0.332 χ^2/NDF : 5624793.2/29

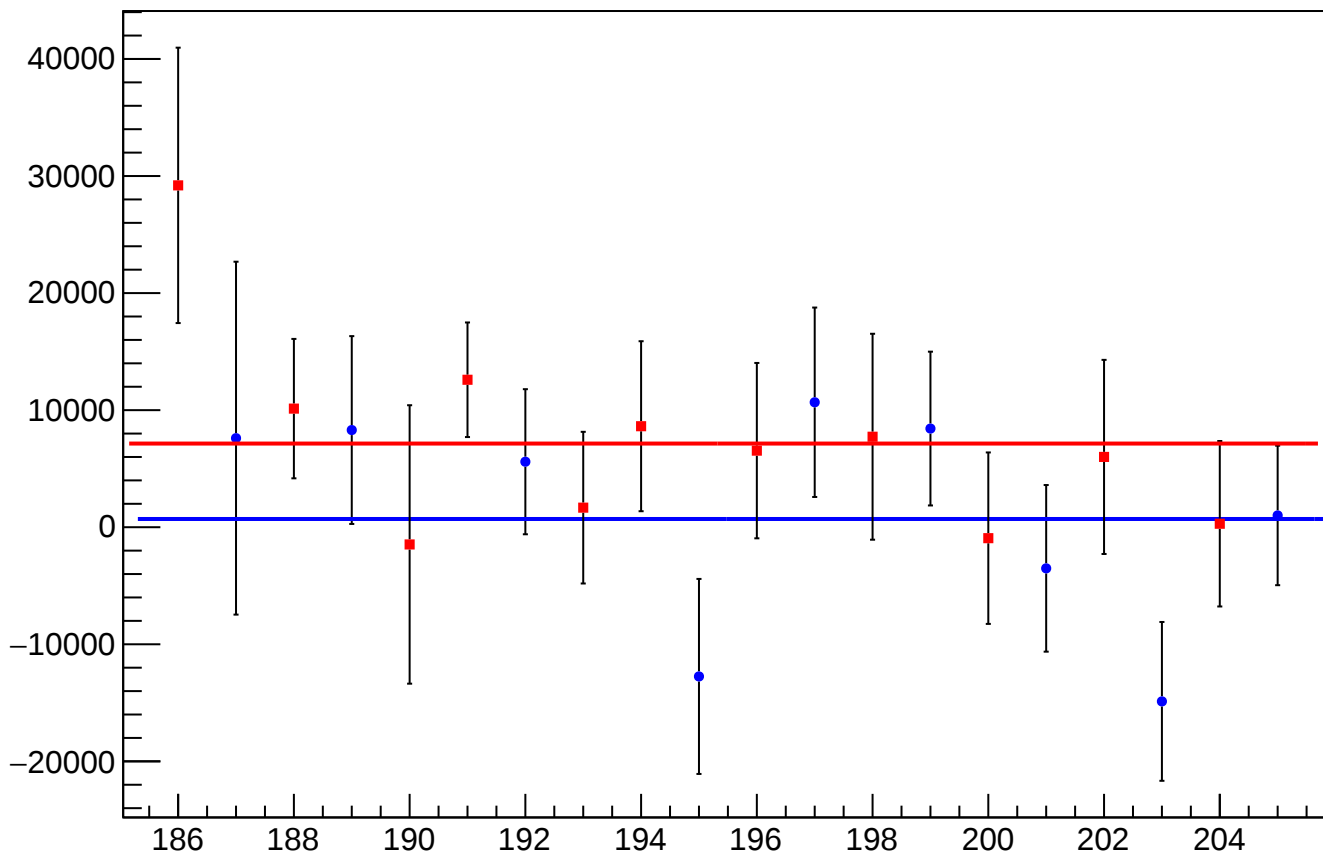
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 2044.708+/-0.321 χ^2/NDF : 21639543.5/50

All: 2017.963+/-0.223 χ^2/NDF : 42953948.2/100

- sign 1992.780+/-0.311 χ^2/NDF : 21300904.9/52

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 703.276+/-2436.346 χ^2/NDF : 12.9/8

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 7146.811+/-2176.904 χ^2/NDF : 8.5/10

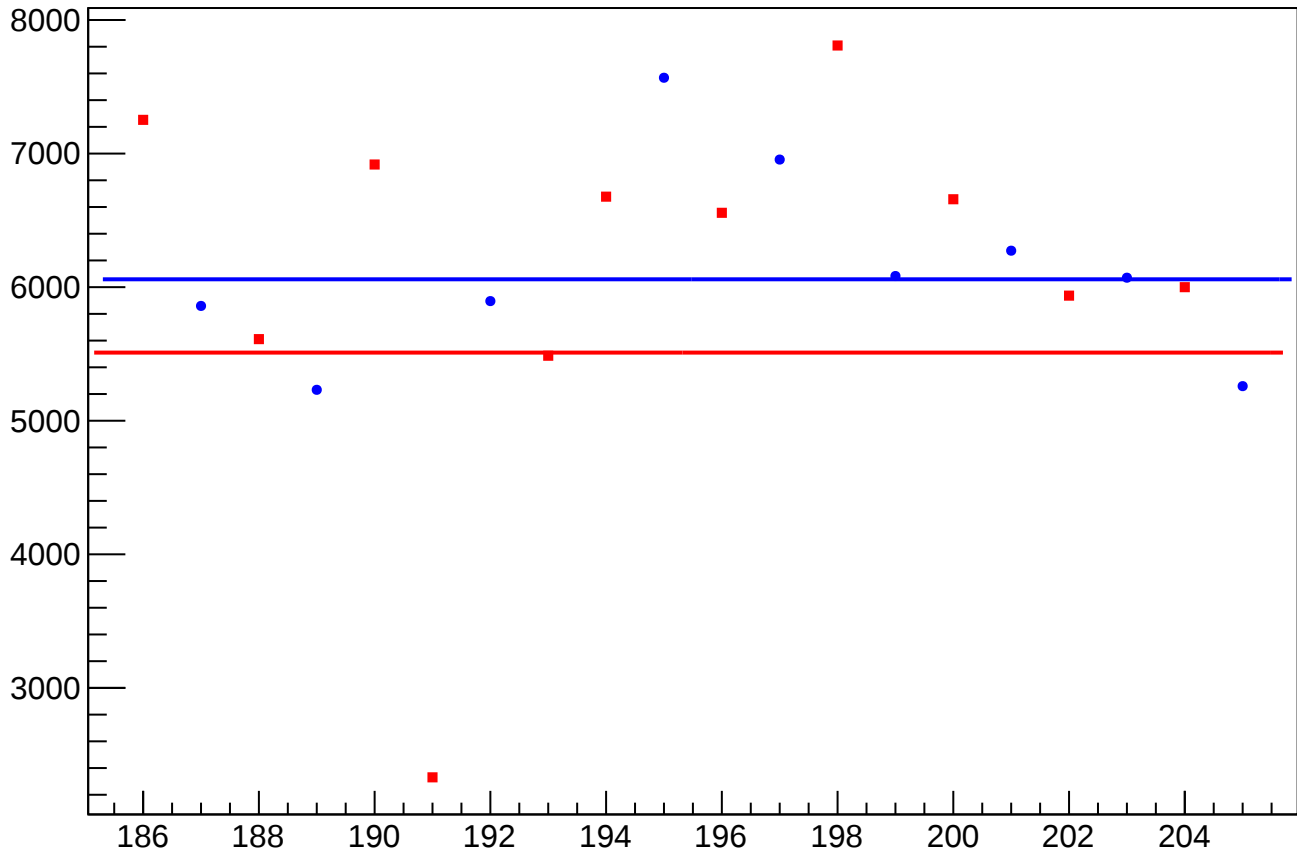
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4286.276+/-1623.306 χ^2/NDF : 25.2/19

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 6058.836 $\pm$ 1.723 χ^2 /NDF: 151045.8/8

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

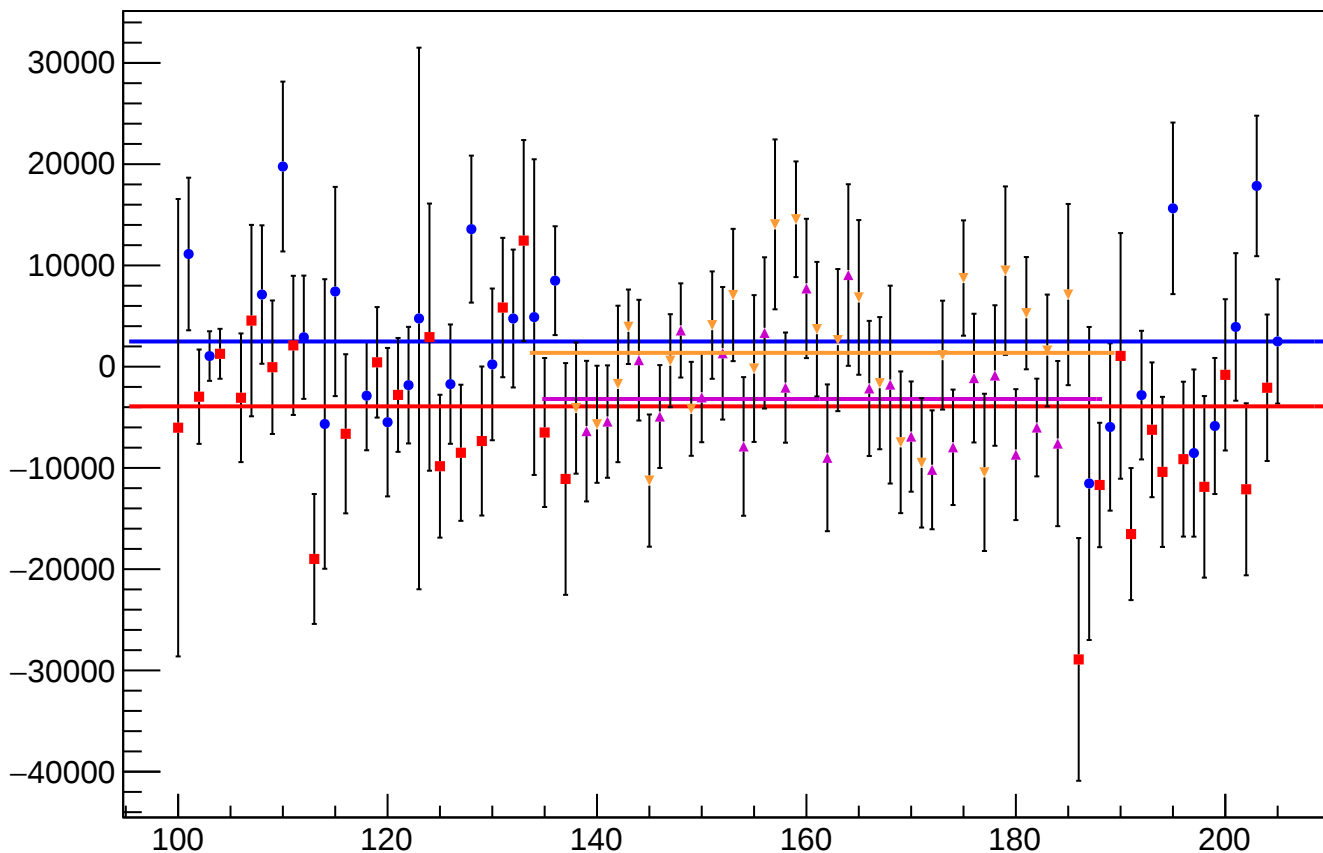
Right Out: 5510.136 $\pm$ 1.539 χ^2 /NDF: 1208200.1/10

All: 5753.725 $\pm$ 1.148 χ^2 /NDF: 1415654.6/19

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2488.160+/-1257.639 χ^2/NDF : 27.2/25

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

+ sign 1903.216+/-870.555 χ^2/NDF : 55.6/50

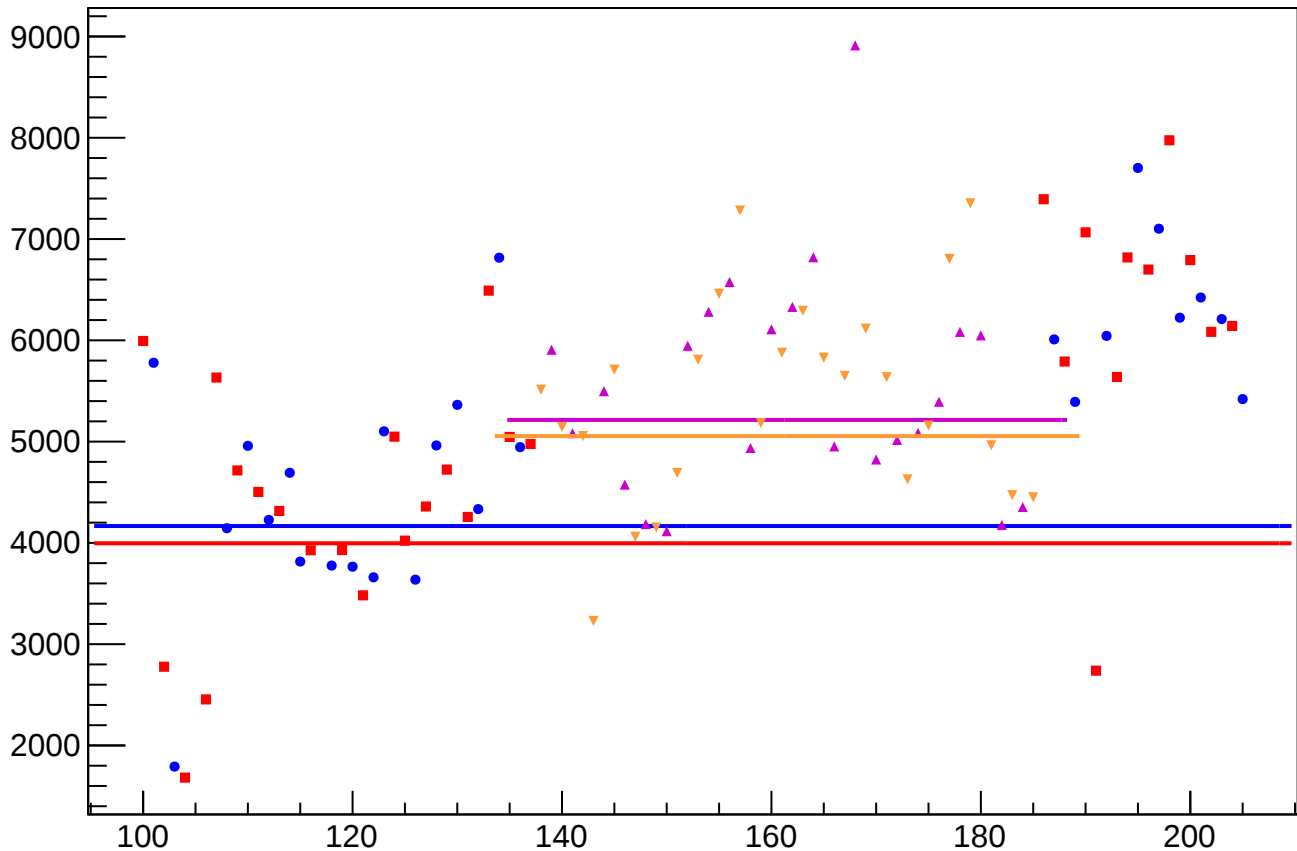
Right Out: -3919.315+/-1189.242 χ^2/NDF : 32.8/29

All: -845.776+/-614.696 χ^2/NDF : 122.4/103

Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

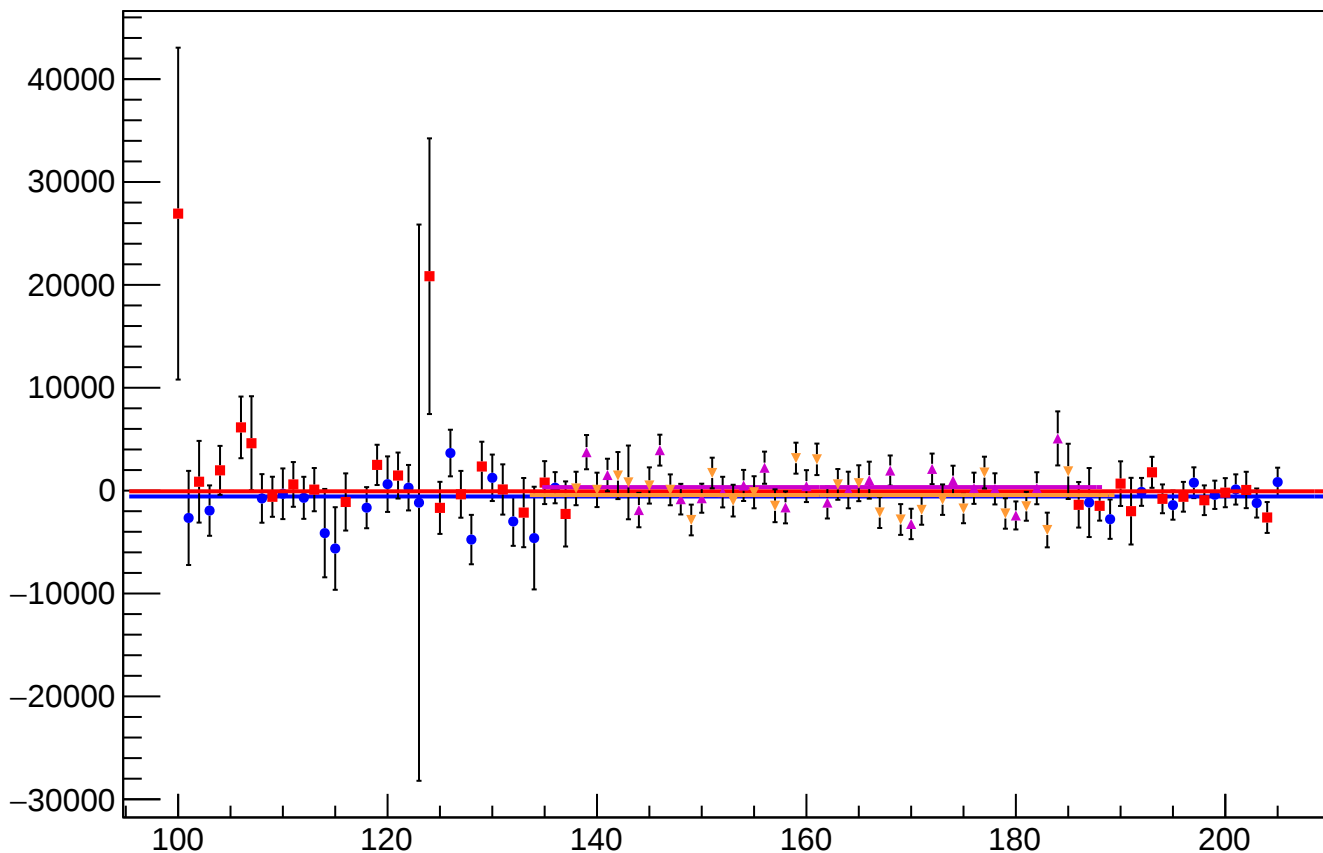
- sign -3579.129+/-868.075 χ^2/NDF : 47.0/52

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4166.473+/-0.889	χ^2/NDF : 3707000.6/25	+ sign 4629.095+/-0.616	χ^2/NDF : 5663850.4/50
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24	All: 4594.840+/-0.434	χ^2/NDF : 12291708.0/1
Right Out: 3996.124+/-0.835	χ^2/NDF : 4582855.9/29	- sign 4561.026+/-0.612	χ^2/NDF : 6621704.0/52
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22		

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -568.252 ± 389.807 χ^2/NDF : 16.7/25

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: -65.120 ± 378.654 χ^2/NDF : 23.3/29

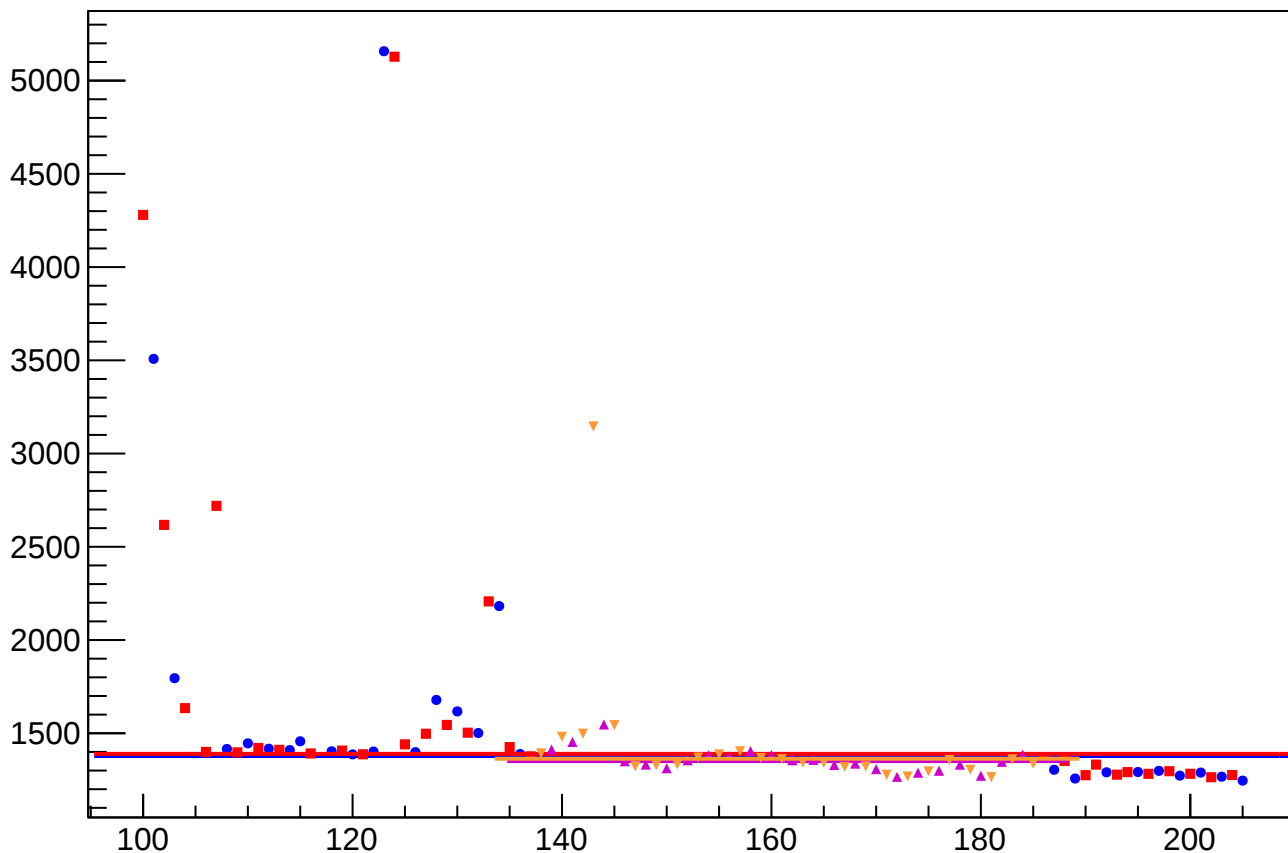
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -486.795 ± 247.583 χ^2/NDF : 49.8/50

All: -156.397 ± 174.627 χ^2/NDF : 111.1/103

- sign 170.692 ± 246.341 χ^2/NDF : 57.7/52

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1377.977+/-0.276 χ^2/NDF : 725717.0/25

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1389.458+/-0.268 χ^2/NDF : 820163.2/29

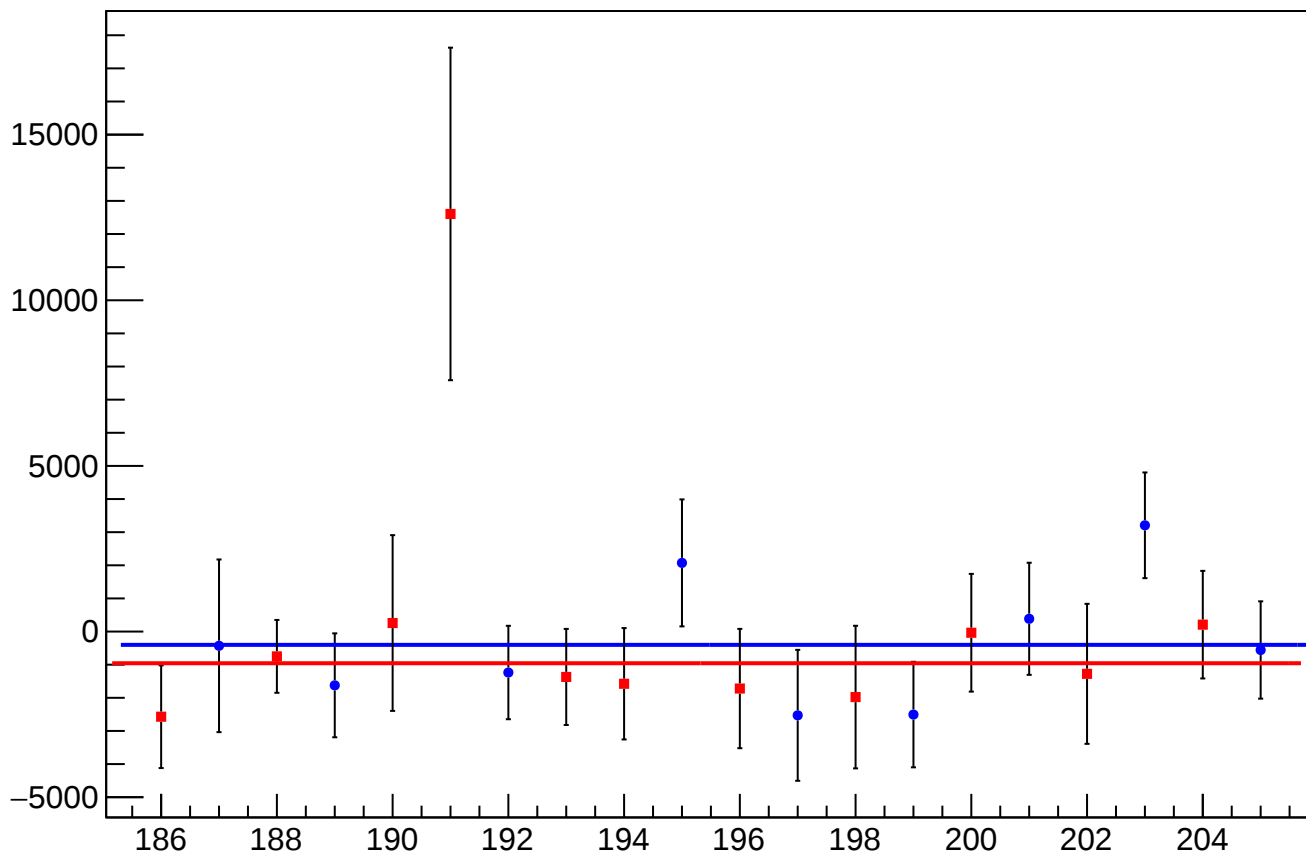
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1369.377+/-0.175 χ^2/NDF : 1302575.5/50

All: 1368.295+/-0.123 χ^2/NDF : 2201915.0/10

- sign 1367.225+/-0.174 χ^2/NDF : 899263.6/52

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -401.283+/-560.338 χ^2/NDF : 10.9/8

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -956.295+/-519.962 χ^2/NDF : 10.1/10

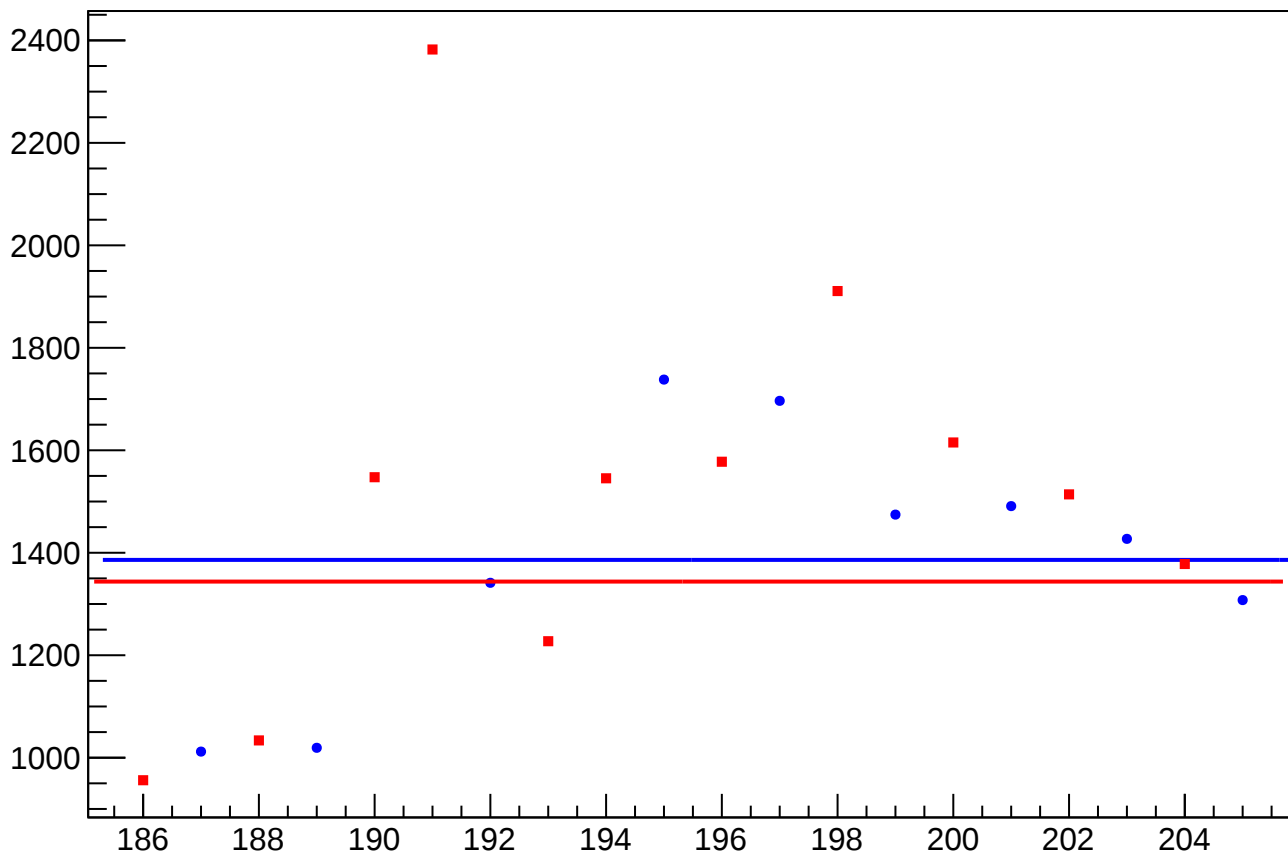
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -699.503+/-381.144 χ^2/NDF : 21.5/19

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1386.076 $\pm$ 0.396 χ^2 /NDF: 290217.6/8

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

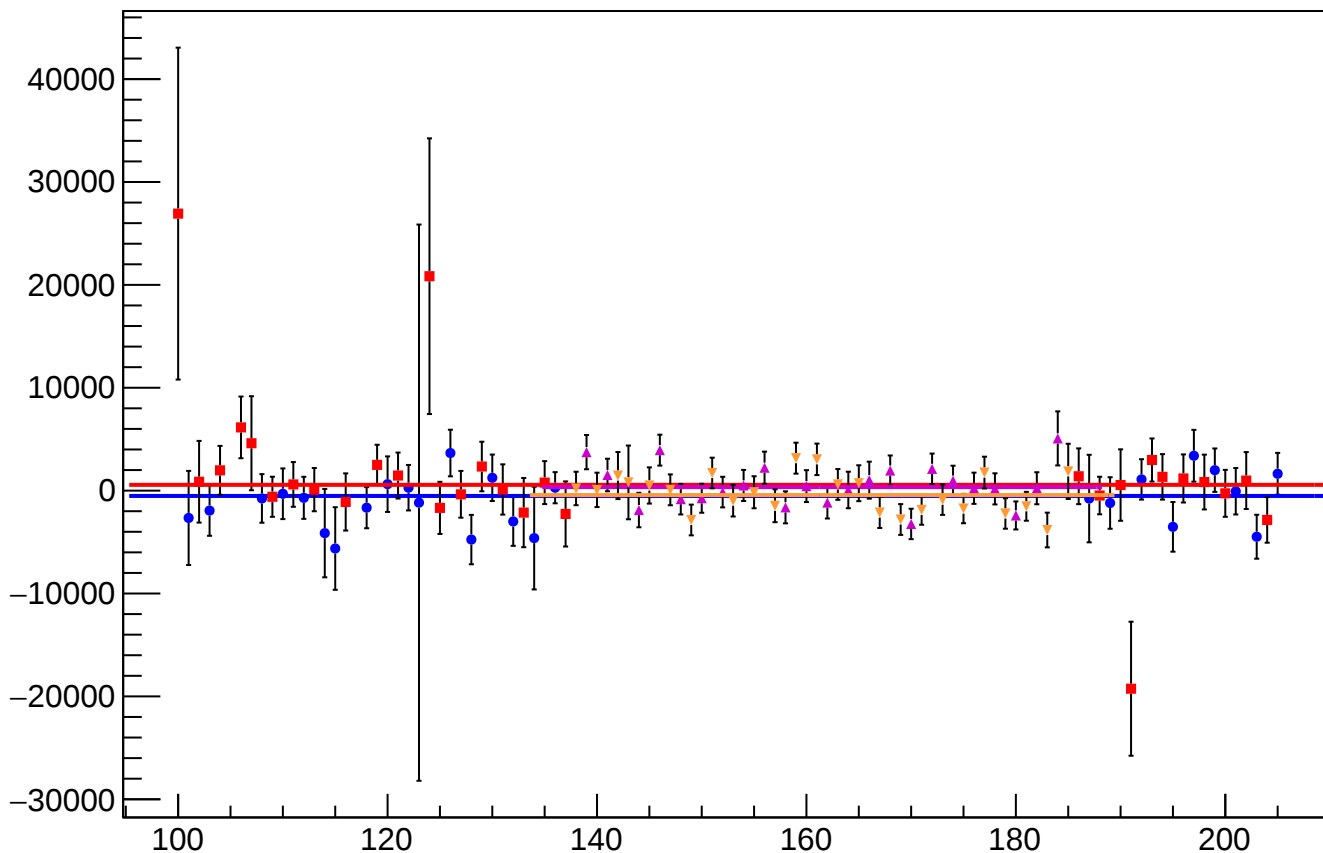
Right Out: 1343.765 $\pm$ 0.368 χ^2 /NDF: 656276.8/10

All: 1363.342 $\pm$ 0.270 χ^2 /NDF: 952621.6/19

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -517.428+/-476.068 χ^2/NDF : 23.4/25

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 561.718+/-464.475 χ^2/NDF : 28.2/29

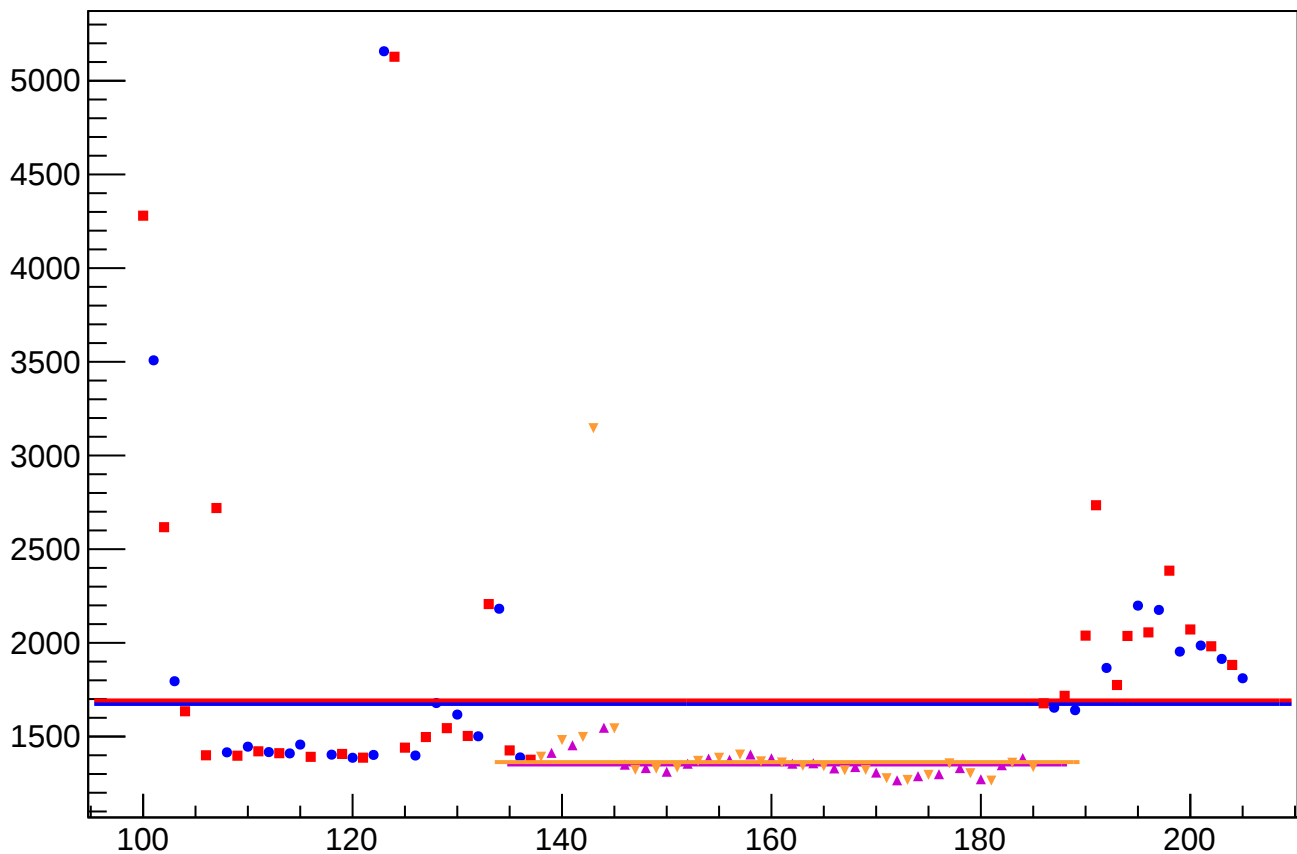
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -458.451+/-265.888 χ^2/NDF : 56.5/50

All: -21.711+/-188.029 χ^2/NDF : 124.0/103

- sign 415.196+/-265.938 χ^2/NDF : 62.1/52

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1674.034+/-0.337 χ^2/NDF : 969411.5/25

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1692.635+/-0.328 χ^2/NDF : 1180919.2/29

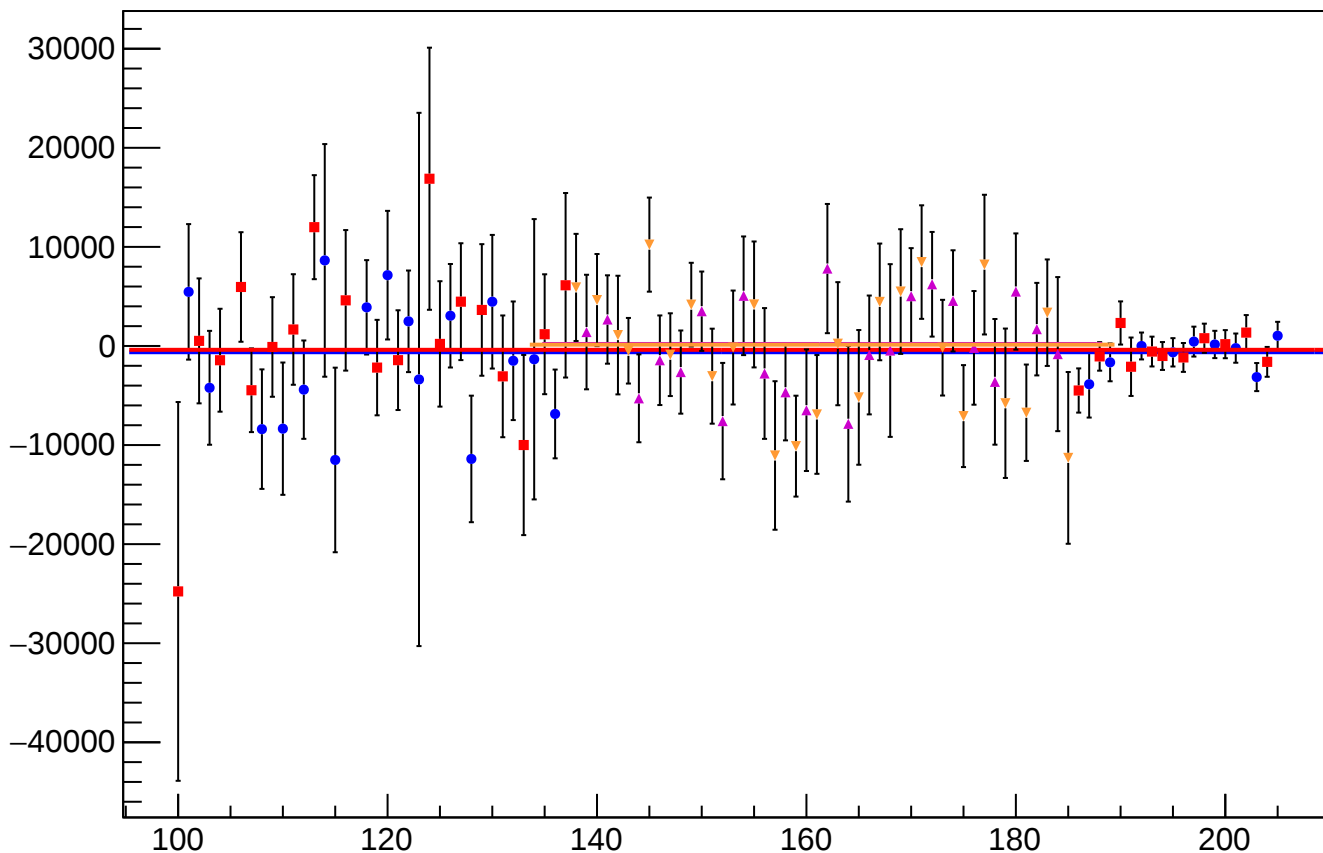
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1460.408+/-0.188 χ^2/NDF : 2129929.0/50

All: 1461.671+/-0.133 χ^2/NDF : 4105776.9/100

- sign 1462.935+/-0.188 χ^2/NDF : 1975757.6/52

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -629.939 ± 484.673 $\chi^2/\text{NDF}: 22.2/25$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -388.284 ± 462.723 $\chi^2/\text{NDF}: 23.3/29$

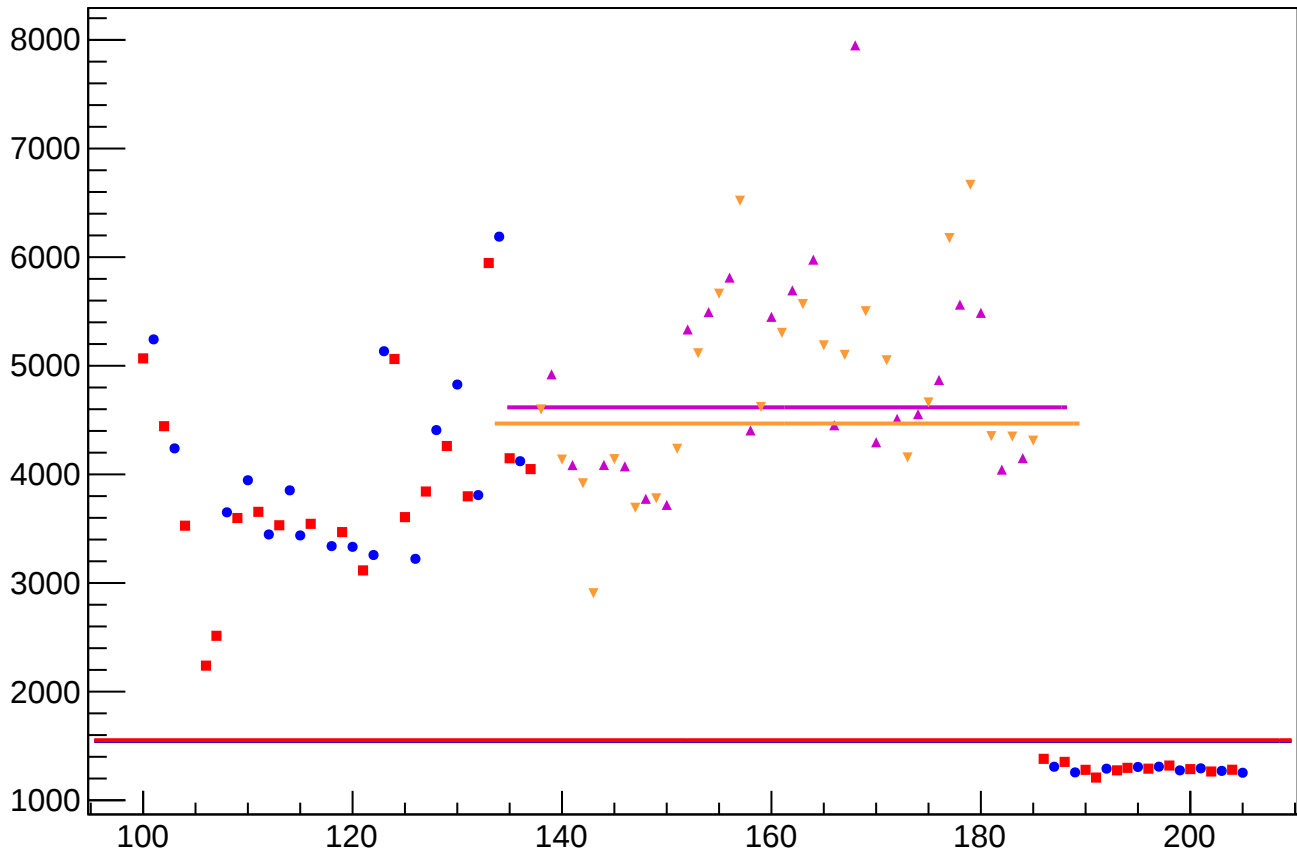
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign -499.296 ± 441.178 $\chi^2/\text{NDF}: 50.7/50$

All: -398.109 ± 307.142 $\chi^2/\text{NDF}: 89.1/103$

- sign -302.941 ± 427.856 $\chi^2/\text{NDF}: 38.3/52$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1544.652 $\pm$ 0.343 χ^2/NDF : 5447518.4/25

Left Out: 4468.520 $\pm$ 0.753 χ^2/NDF : 1380601.0/24

Right Out: 1552.619 $\pm$ 0.327 χ^2/NDF : 5265271.6/29

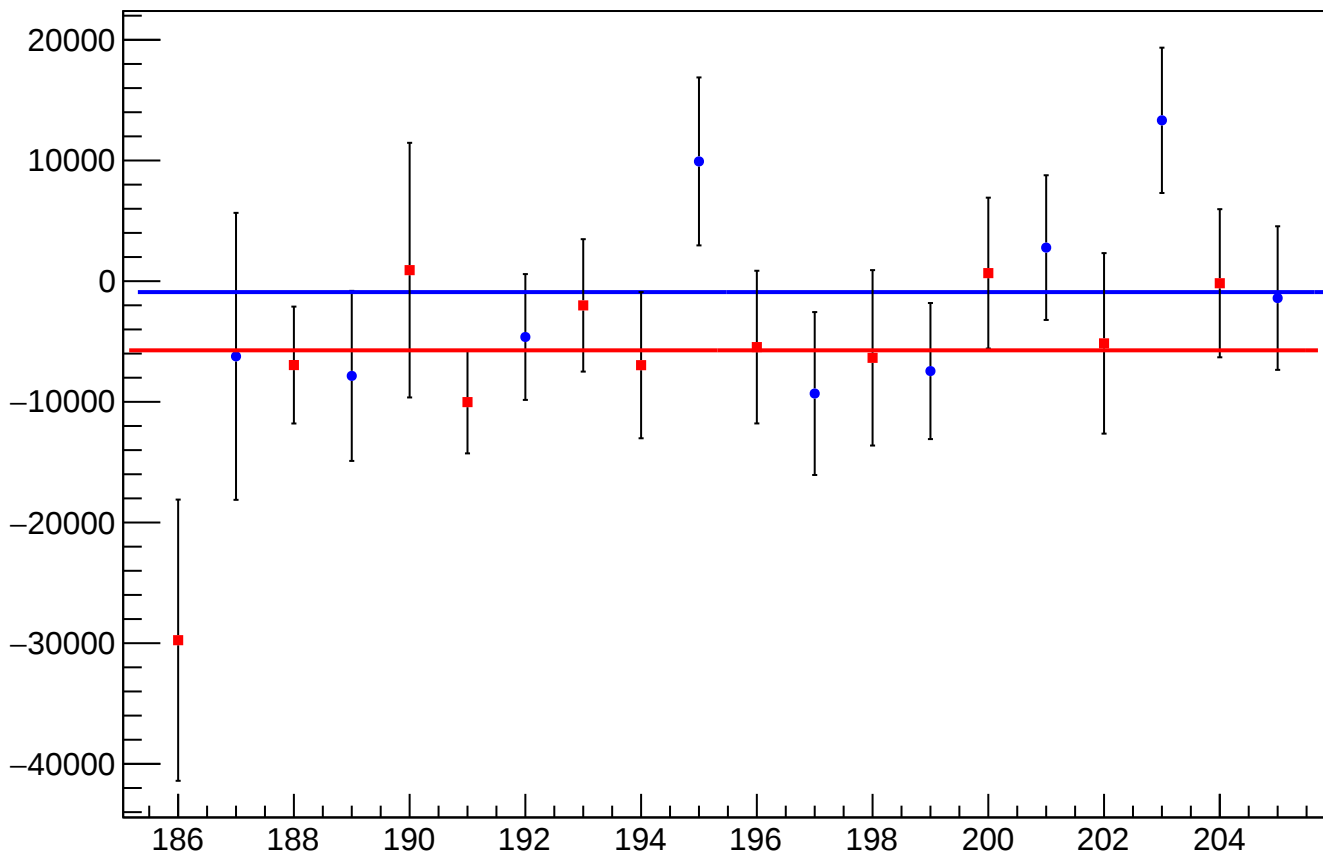
Left In: 4617.293 $\pm$ 0.794 χ^2/NDF : 999599.8/22

+ sign 2045.887 $\pm$ 0.312 χ^2/NDF : 19305787.2/50

All: 2020.308 $\pm$ 0.217 χ^2/NDF : 38310975.7/1

- sign 1996.293 $\pm$ 0.302 χ^2/NDF : 18992153.3/52

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -904.841+/-2123.751 χ^2/NDF : 13.0/8

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -5731.208+/-1861.012 χ^2/NDF : 8.1/10

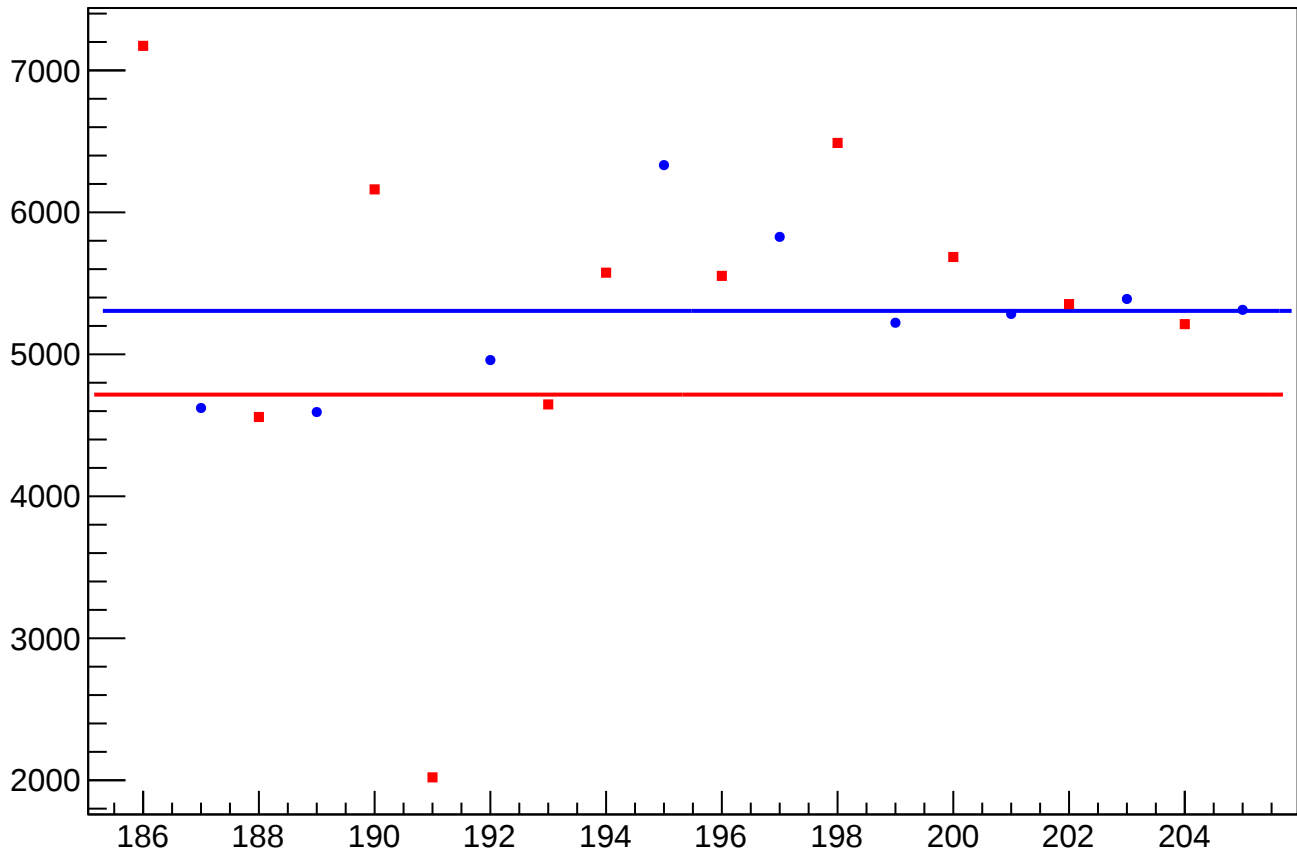
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -3634.879+/-1399.662 χ^2/NDF : 24.0/19

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5306.031+/-1.502 χ^2/NDF : 92231.3/8

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

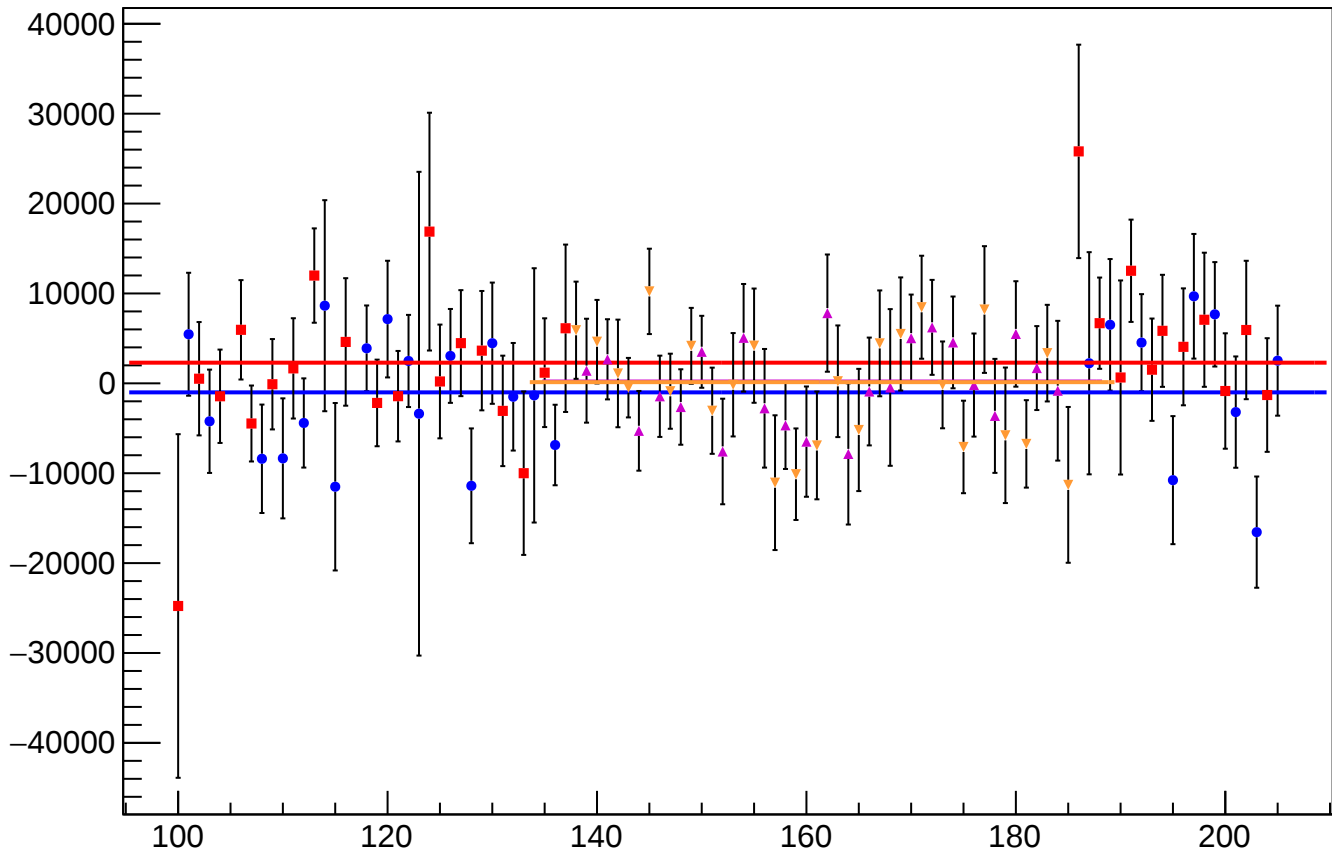
Right Out: 4716.375+/-1.316 χ^2/NDF : 1203550.5/10

All: 4972.491+/-0.990 χ^2/NDF : 1382992.2/19

- 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: -1005.082 ± 1247.269 χ^2/NDF : 30.5/25

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: 2298.533 ± 1137.082 χ^2/NDF : 24.6/29

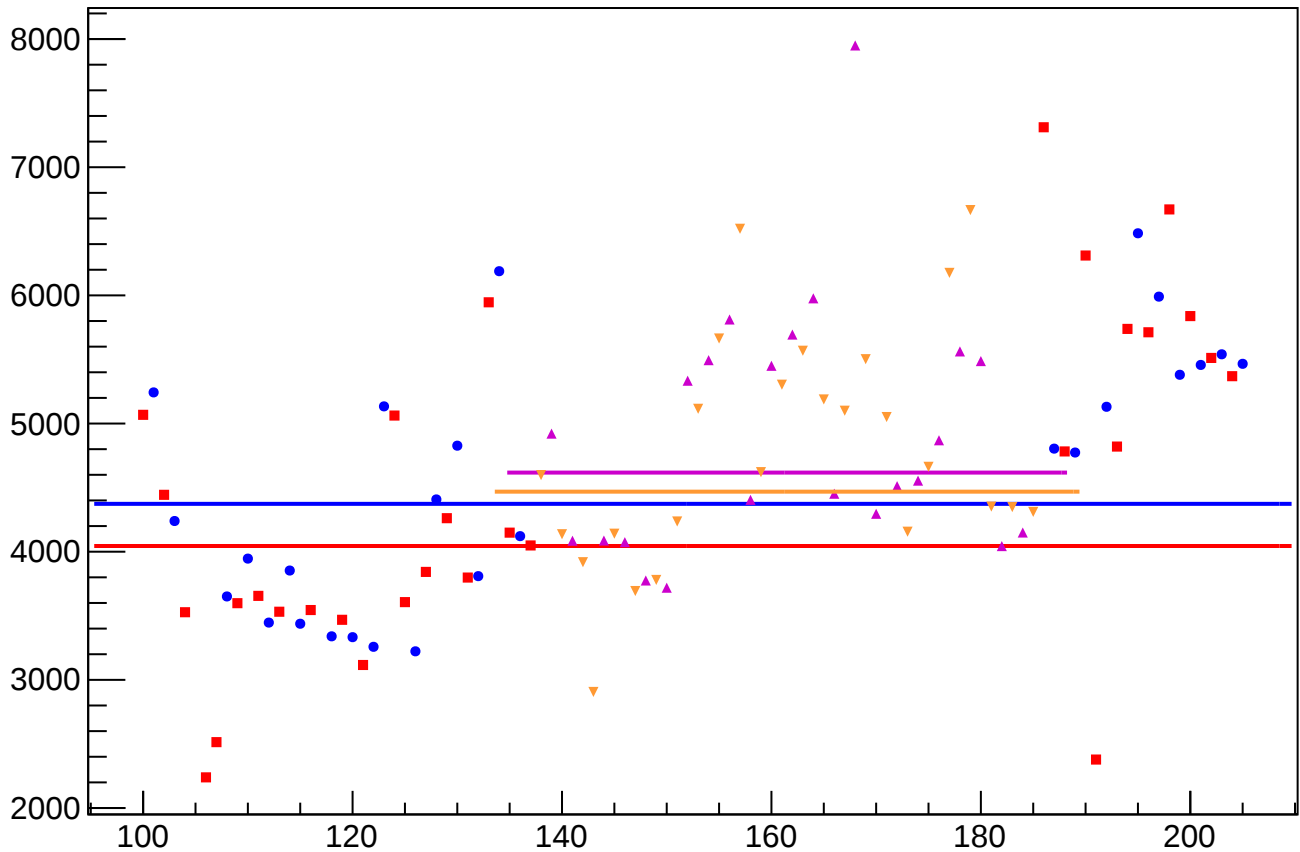
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -347.662 ± 810.157 χ^2/NDF : 59.1/50

All: 455.338 ± 568.952 χ^2/NDF : 102.1/103

- sign 1236.750 ± 799.193 χ^2/NDF : 41.1/52

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4373.413+/-0.882 χ^2/NDF : 1157792.9/25

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 4044.488+/-0.799 χ^2/NDF : 2174873.1/29

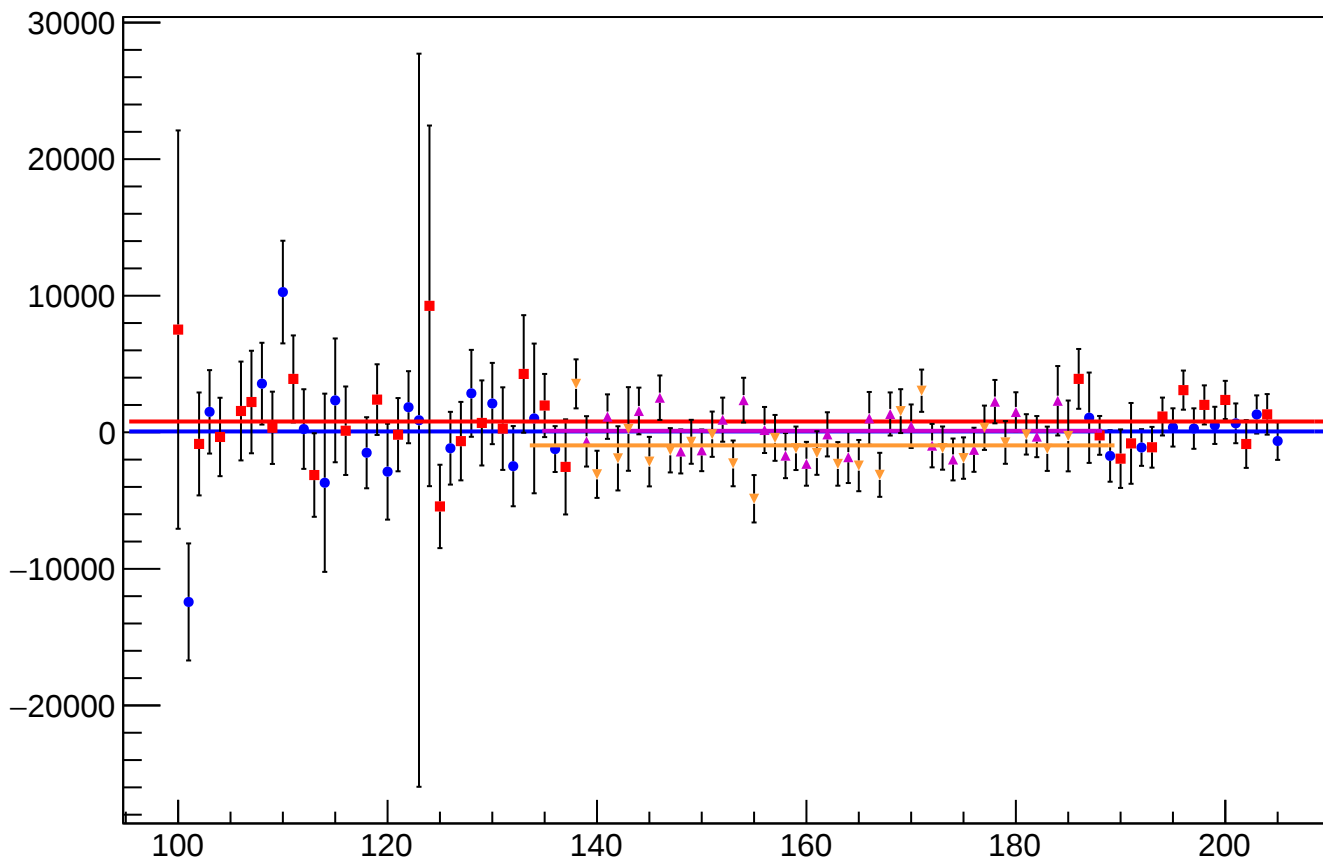
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 4428.392+/-0.573 χ^2/NDF : 2545116.6/50

All: 4379.670+/-0.402 χ^2/NDF : 5992250.8/10

- sign 4332.549+/-0.563 χ^2/NDF : 3432904.8/52

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 62.437+/-418.759 χ^2/NDF : 25.5/25

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 790.438+/-404.355 χ^2/NDF : 22.3/29

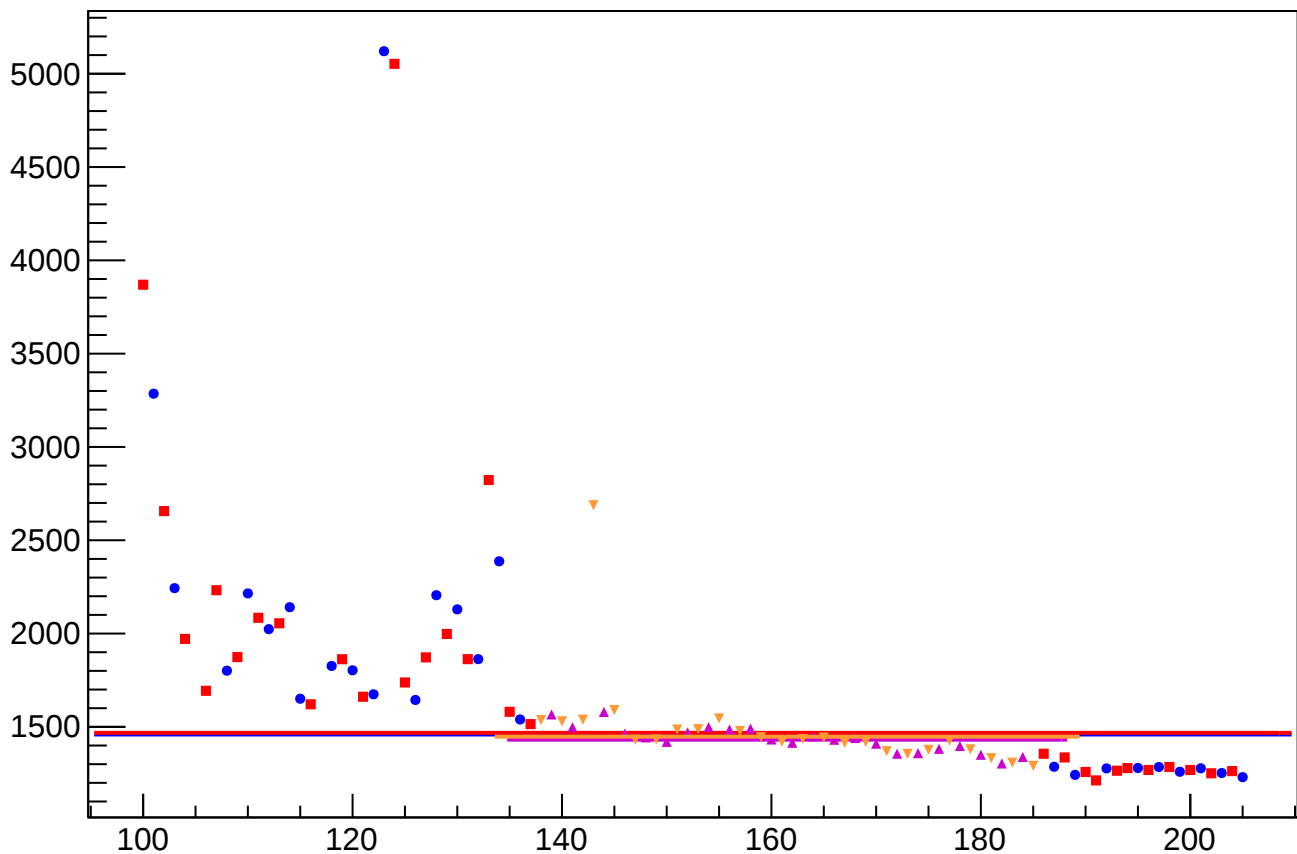
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -553.546+/-263.718 χ^2/NDF : 57.6/50

All: -76.466+/-185.817 χ^2/NDF : 107.5/103

- sign 393.926+/-261.863 χ^2/NDF : 43.4/52

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1459.136 $\pm$ 0.296 χ^2 /NDF: 1434529.8/25

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1467.893 $\pm$ 0.286 χ^2 /NDF: 1471433.6/29

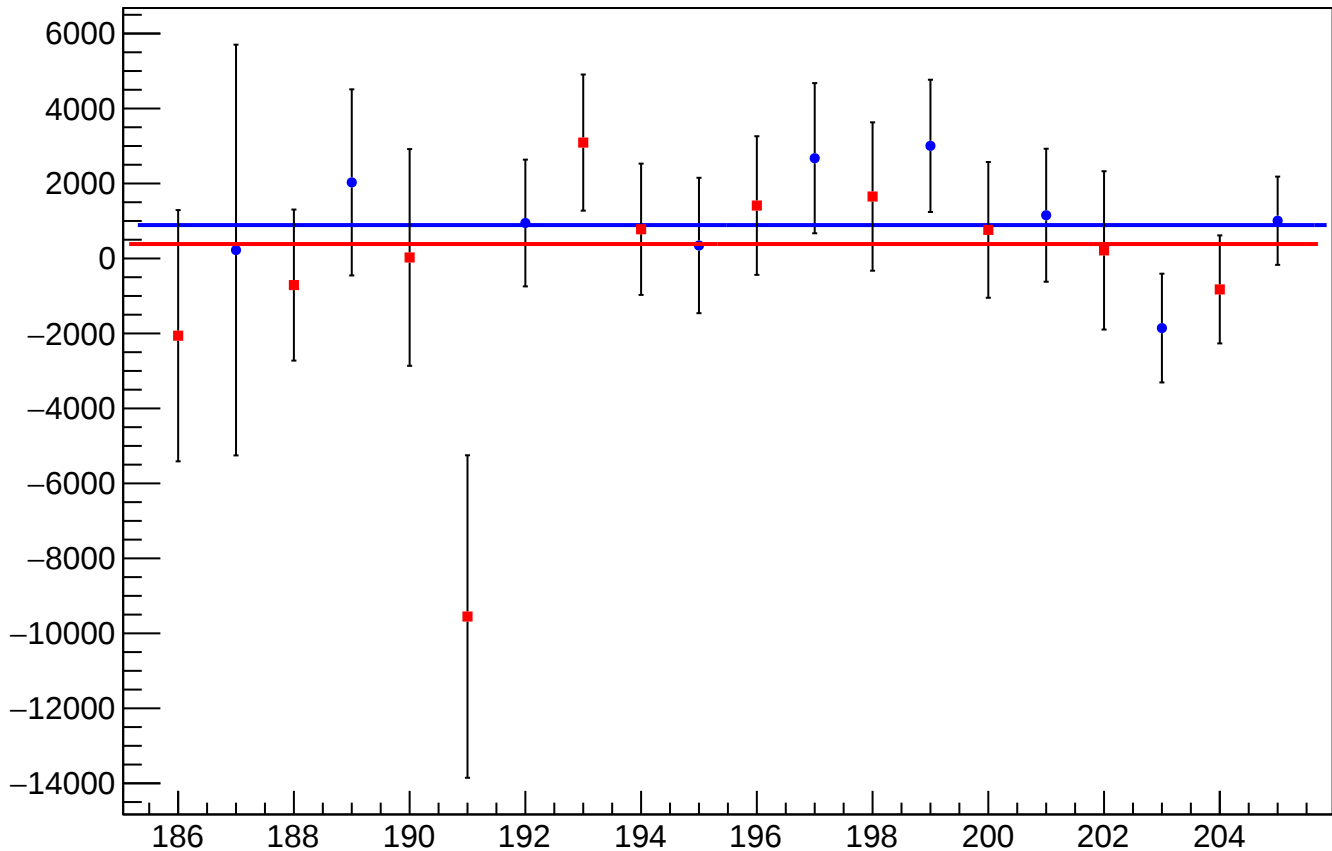
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1452.148 $\pm$ 0.186 χ^2 /NDF: 1854707.5/50

All: 1449.423 $\pm$ 0.131 χ^2 /NDF: 3411125.0/10

- sign 1446.737 $\pm$ 0.185 χ^2 /NDF: 1555993.7/52

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 890.624+/-583.404 χ^2/NDF : 6.2/8

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 384.909+/-608.853 χ^2/NDF : 9.9/10

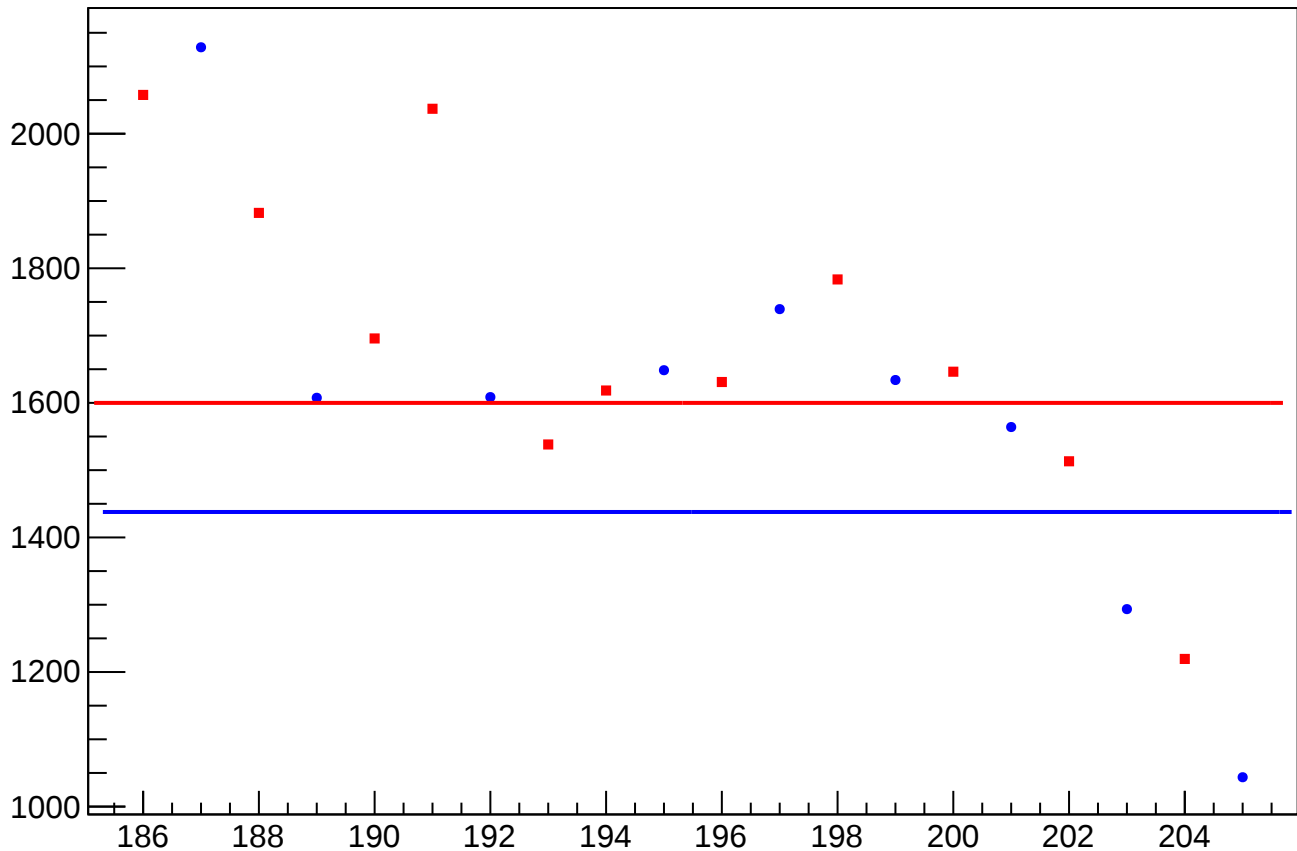
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 648.556+/-421.239 χ^2/NDF : 16.5/19

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1437.844+/-0.413 χ^2/NDF : 413149.1/8

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1599.960+/-0.431 χ^2/NDF : 263938.0/10

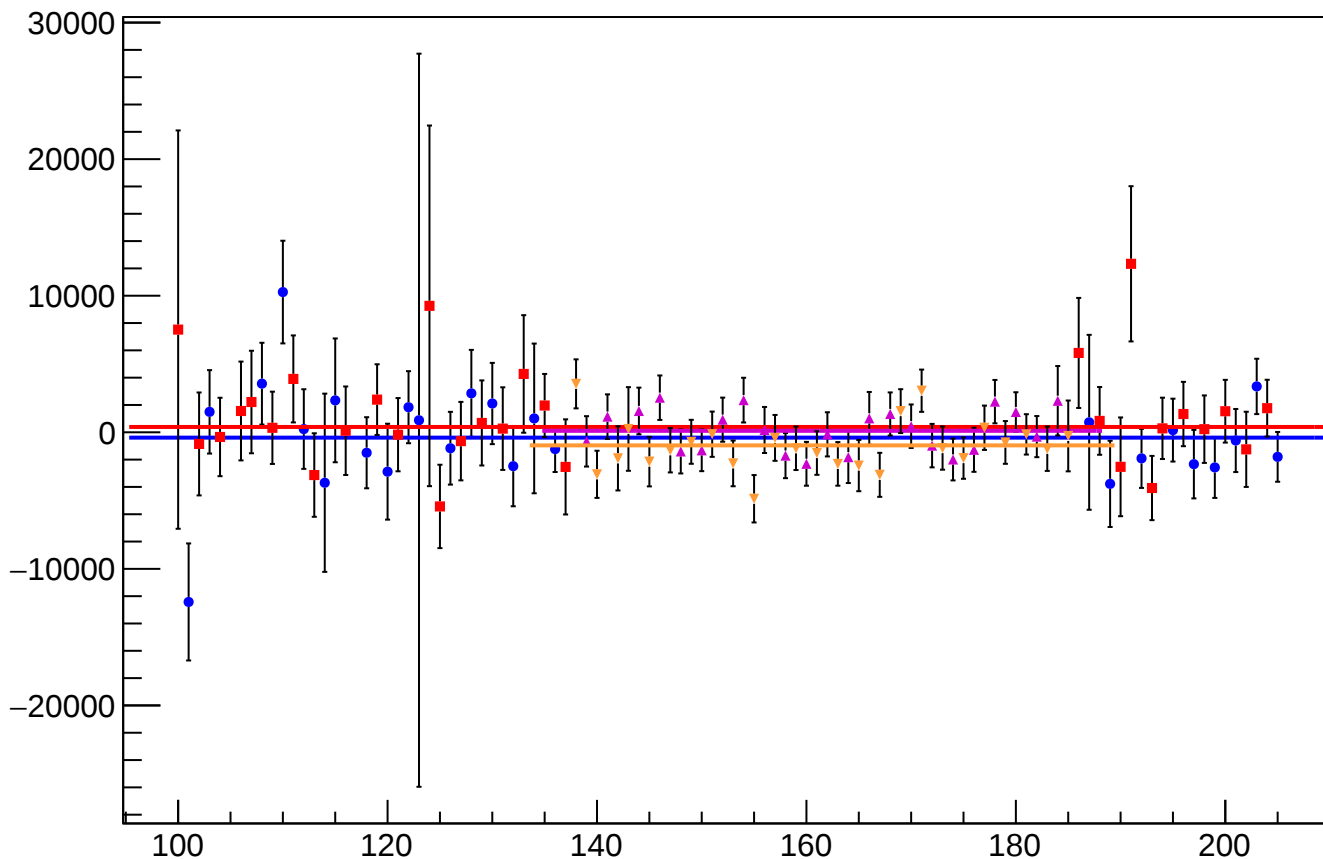
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1515.443+/-0.298 χ^2/NDF : 751009.1/19

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -391.356 ± 543.718 χ^2/NDF : 30.1/25

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 390.102 ± 538.116 χ^2/NDF : 21.9/29

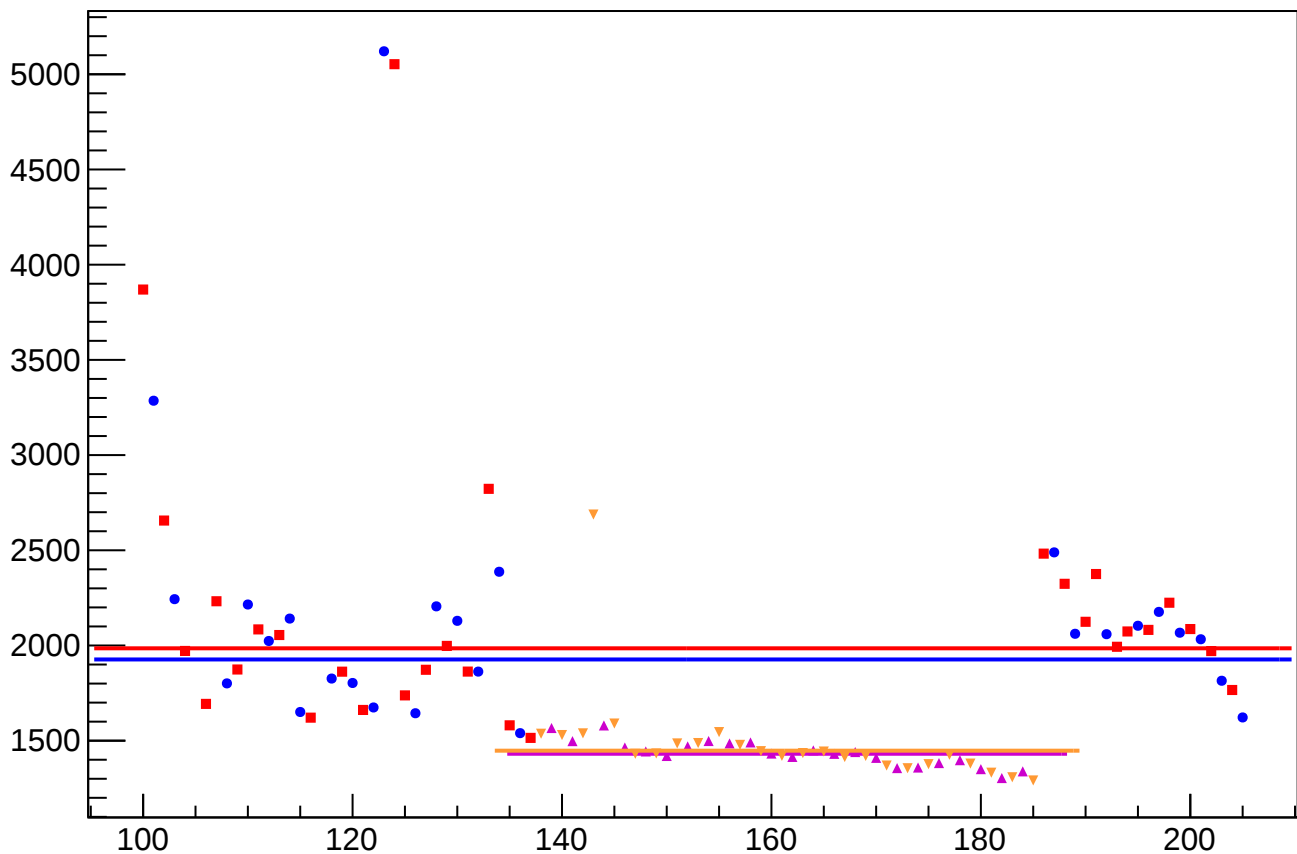
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -799.346 ± 287.970 χ^2/NDF : 59.4/50

All: -307.835 ± 204.212 χ^2/NDF : 106.8/103

- sign 189.379 ± 289.636 χ^2/NDF : 41.5/52

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1926.641 $\pm$ 0.384 χ^2 /NDF: 602580.9/25

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1985.169 $\pm$ 0.381 χ^2 /NDF: 616426.1/29

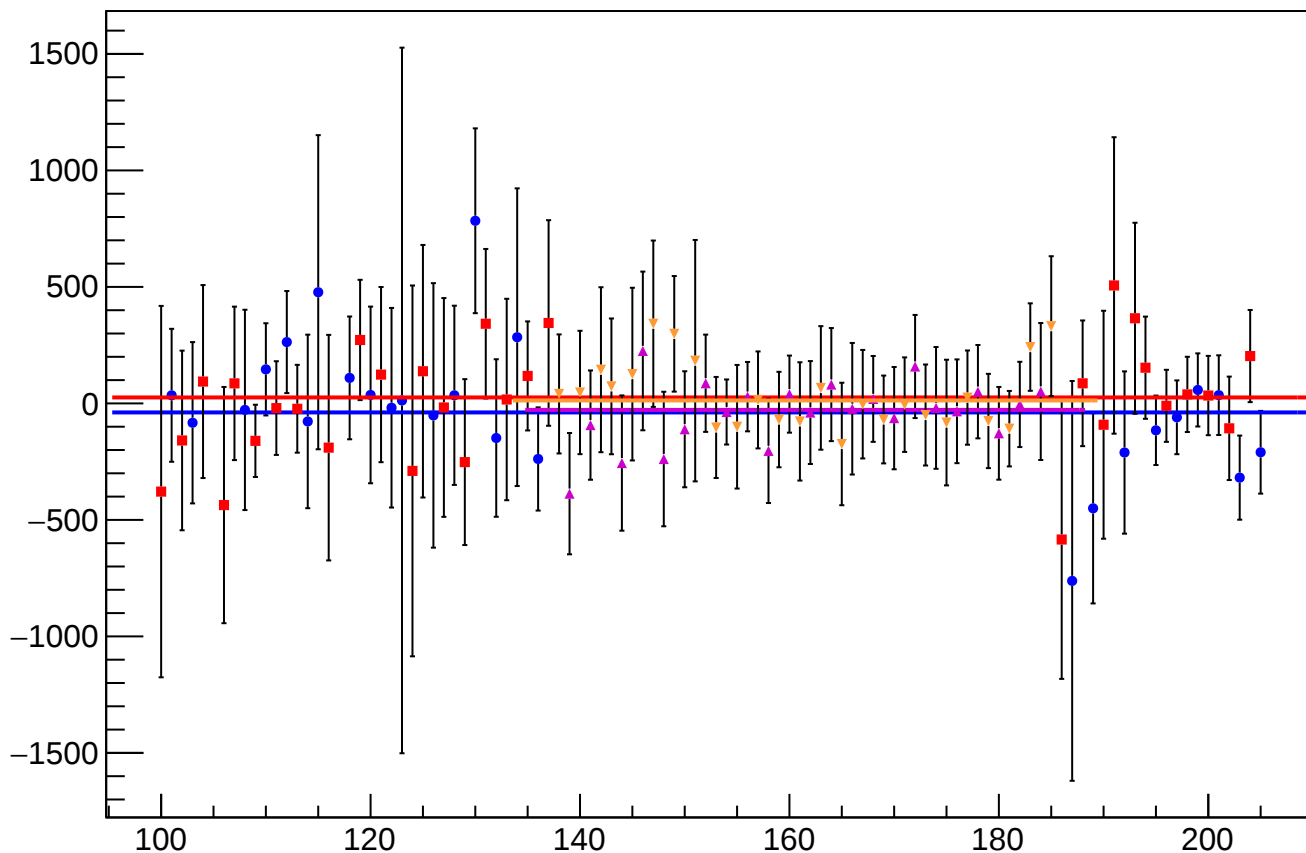
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1581.944 $\pm$ 0.204 χ^2 /NDF: 2139053.8/50

All: 1586.878 $\pm$ 0.144 χ^2 /NDF: 4335949.7/10

- sign 1591.870 $\pm$ 0.205 χ^2 /NDF: 2195714.5/52

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -38.734 ± 50.342 χ^2/NDF : 15.5/25

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 25.575 ± 49.121 χ^2/NDF : 10.6/29

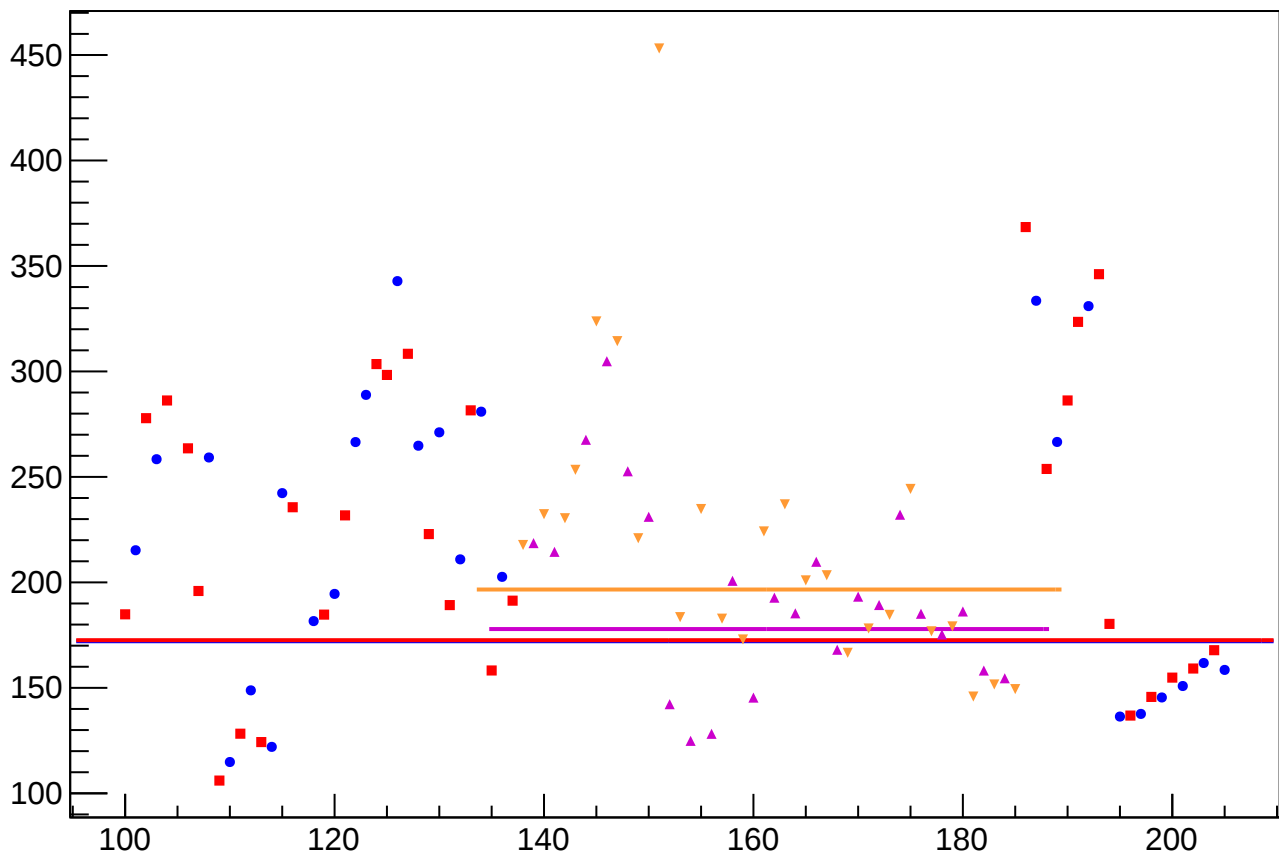
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign -11.560 ± 34.543 χ^2/NDF : 23.7/50

All: -7.498 ± 23.857 χ^2/NDF : 41.5/103

- sign -3.793 ± 32.989 χ^2/NDF : 17.7/52

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.099 $\pm$ 0.036 χ^2 /NDF: 2073145.6/25

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 172.599 $\pm$ 0.035 χ^2 /NDF: 2741179.2/29

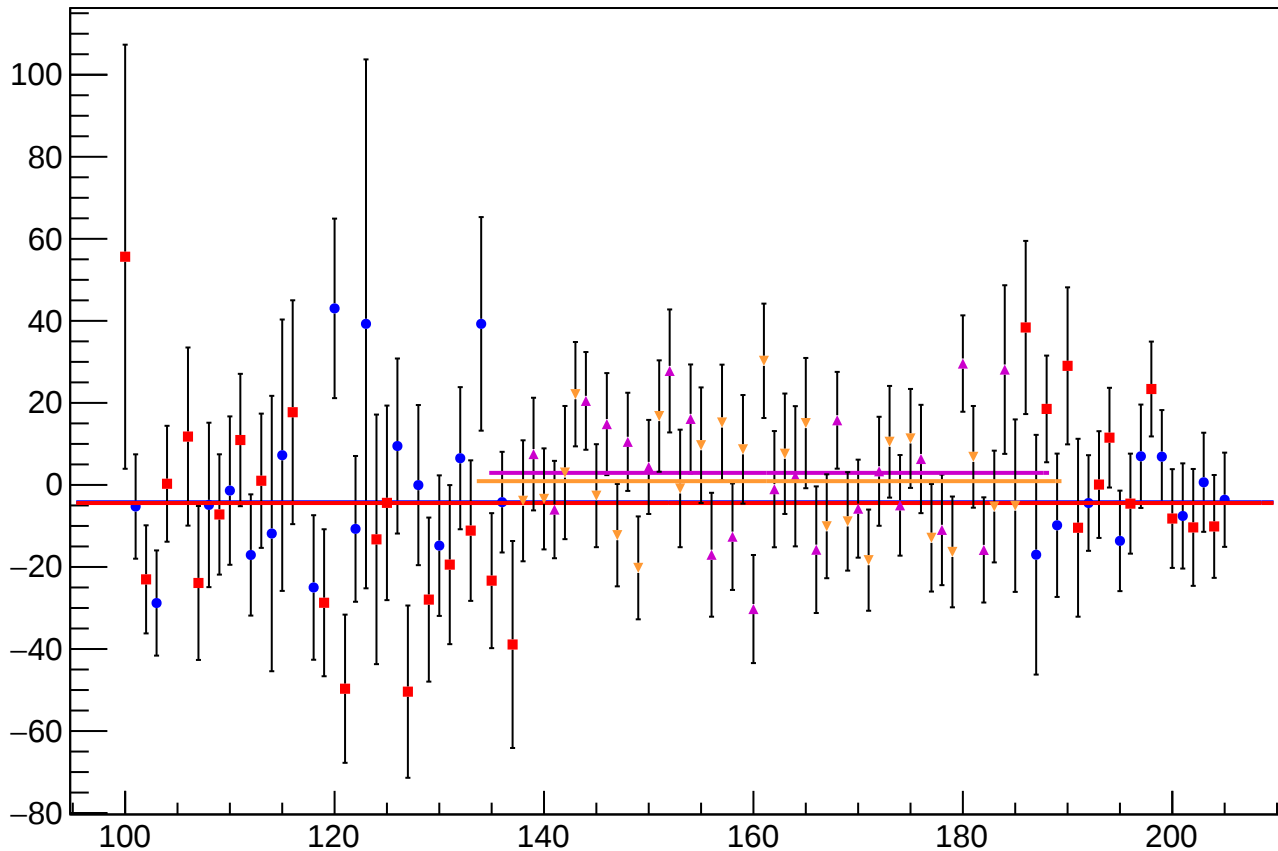
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 185.075 $\pm$ 0.024 χ^2 /NDF: 4117739.2/50

All: 180.065 $\pm$ 0.017 χ^2 /NDF: 8596098.8/103

- sign 175.497 $\pm$ 0.023 χ^2 /NDF: 4397944.9/52

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 3.077 $\chi^2/\text{NDF}: 18.2/25$

Left Out: 0.920 ± 2.696 $\chi^2/\text{NDF}: 24.0/24$

Right Out: -4.413 ± 2.976 $\chi^2/\text{NDF}: 43.6/29$

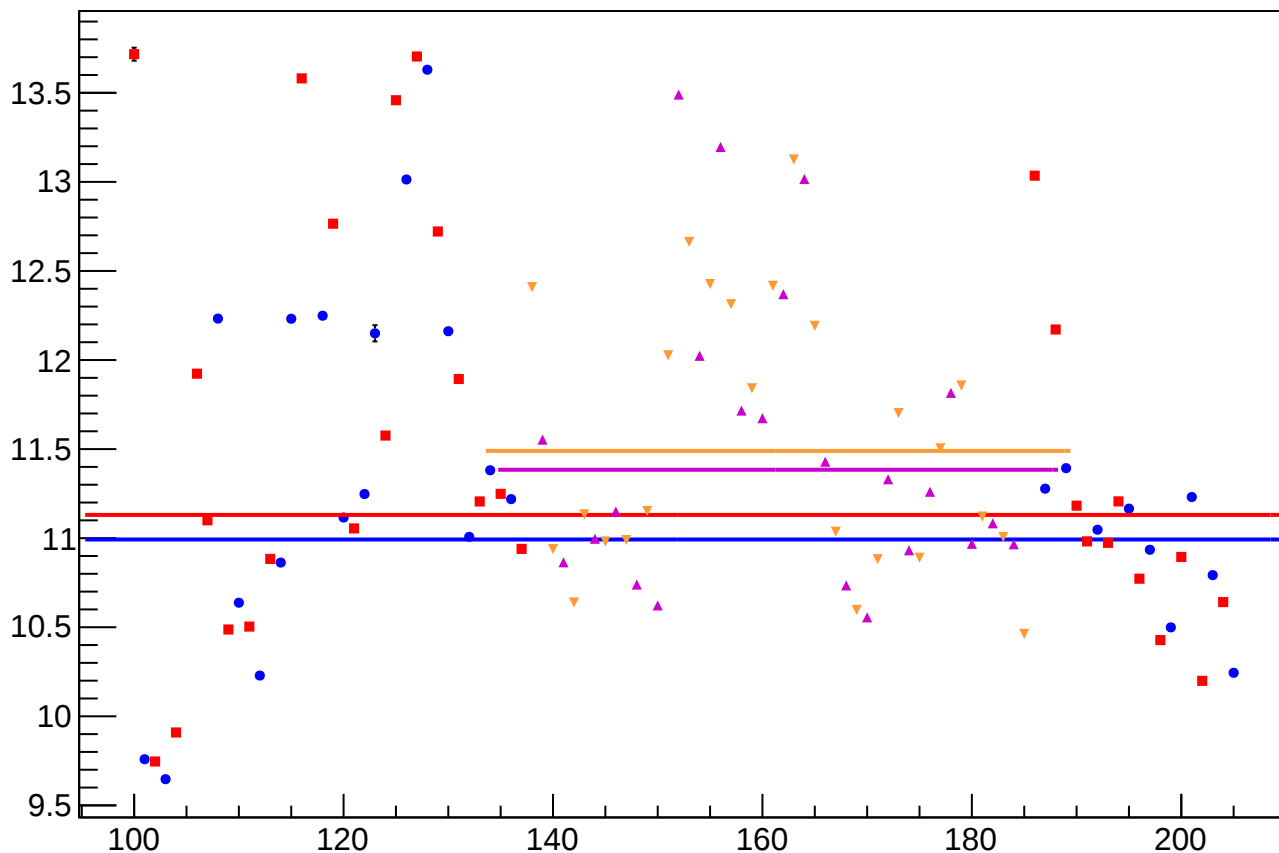
Left In: 2.941 ± 2.745 $\chi^2/\text{NDF}: 31.0/22$

+ sign -1.314 ± 2.028 $\chi^2/\text{NDF}: 43.7/50$

All: -0.874 ± 1.430 $\chi^2/\text{NDF}: 121.7/103$

- sign -0.439 ± 2.018 $\chi^2/\text{NDF}: 77.9/52$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.993 $\pm$ 0.002 χ^2 /NDF: 148824.5/25

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.131 $\pm$ 0.002 χ^2 /NDF: 201615.5/29

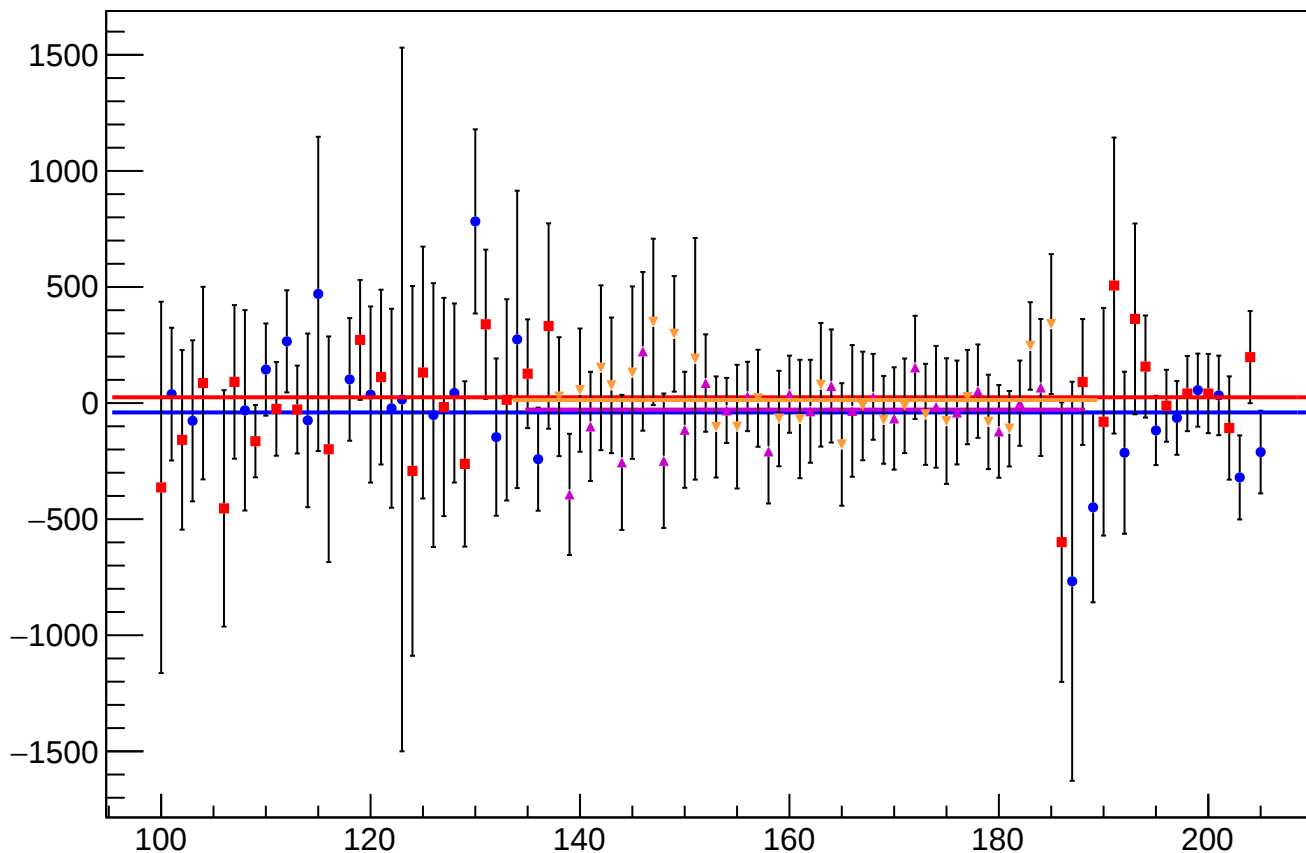
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.274 $\pm$ 0.001 χ^2 /NDF: 310753.5/50

All: 11.271 $\pm$ 0.001 χ^2 /NDF: 670017.3/103

- sign 11.268 $\pm$ 0.001 χ^2 /NDF: 359254.1/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -40.293 ± 50.472 χ^2/NDF : 15.4/25

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 25.010 ± 49.256 χ^2/NDF : 10.7/29

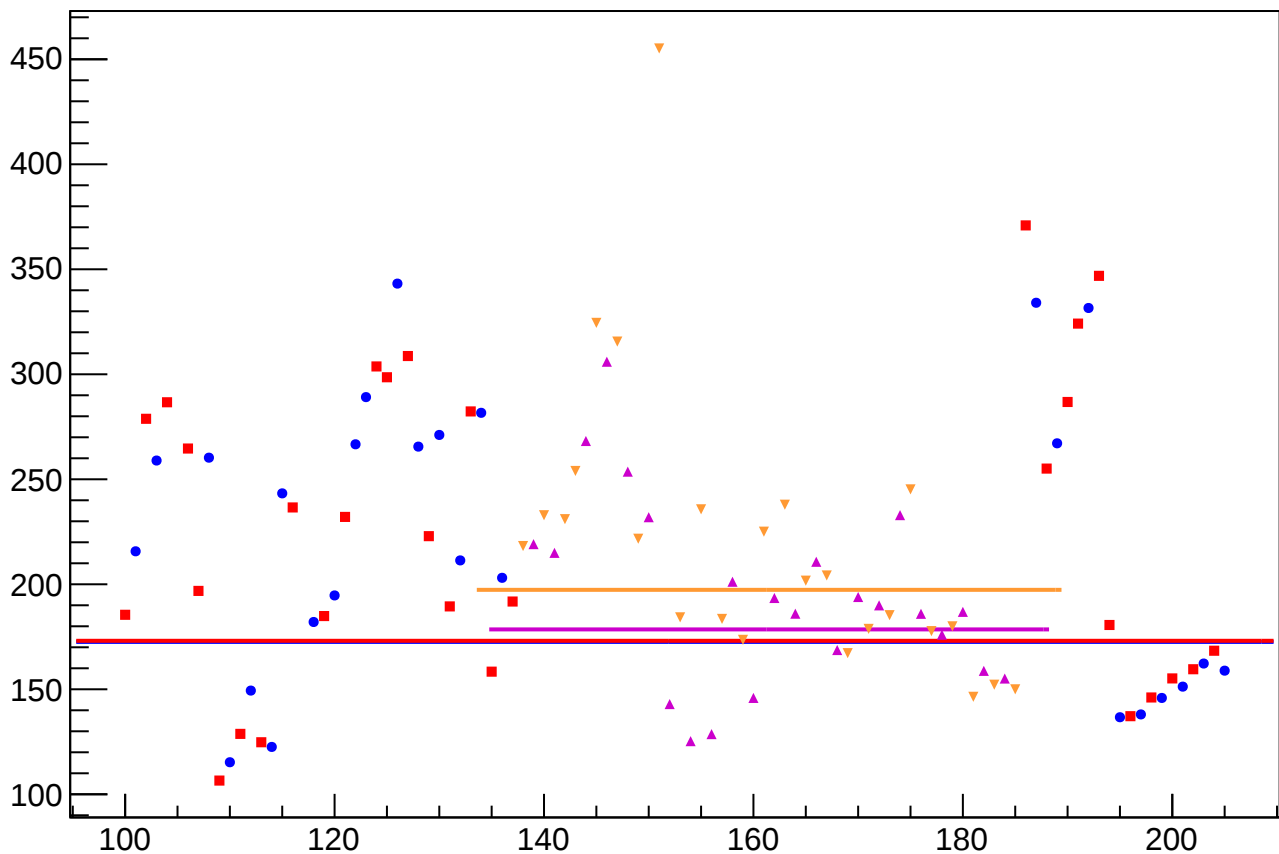
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -11.951 ± 34.653 χ^2/NDF : 23.9/50

All: -7.844 ± 23.933 χ^2/NDF : 41.9/103

- sign -4.098 ± 33.094 χ^2/NDF : 17.9/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 172.564 $\pm$ 0.036 χ^2 /NDF: 2067862.4/25

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF:1790824.5/24

Right Out: 173.091 $\pm$ 0.035 χ^2 /NDF: 2737109.6/29

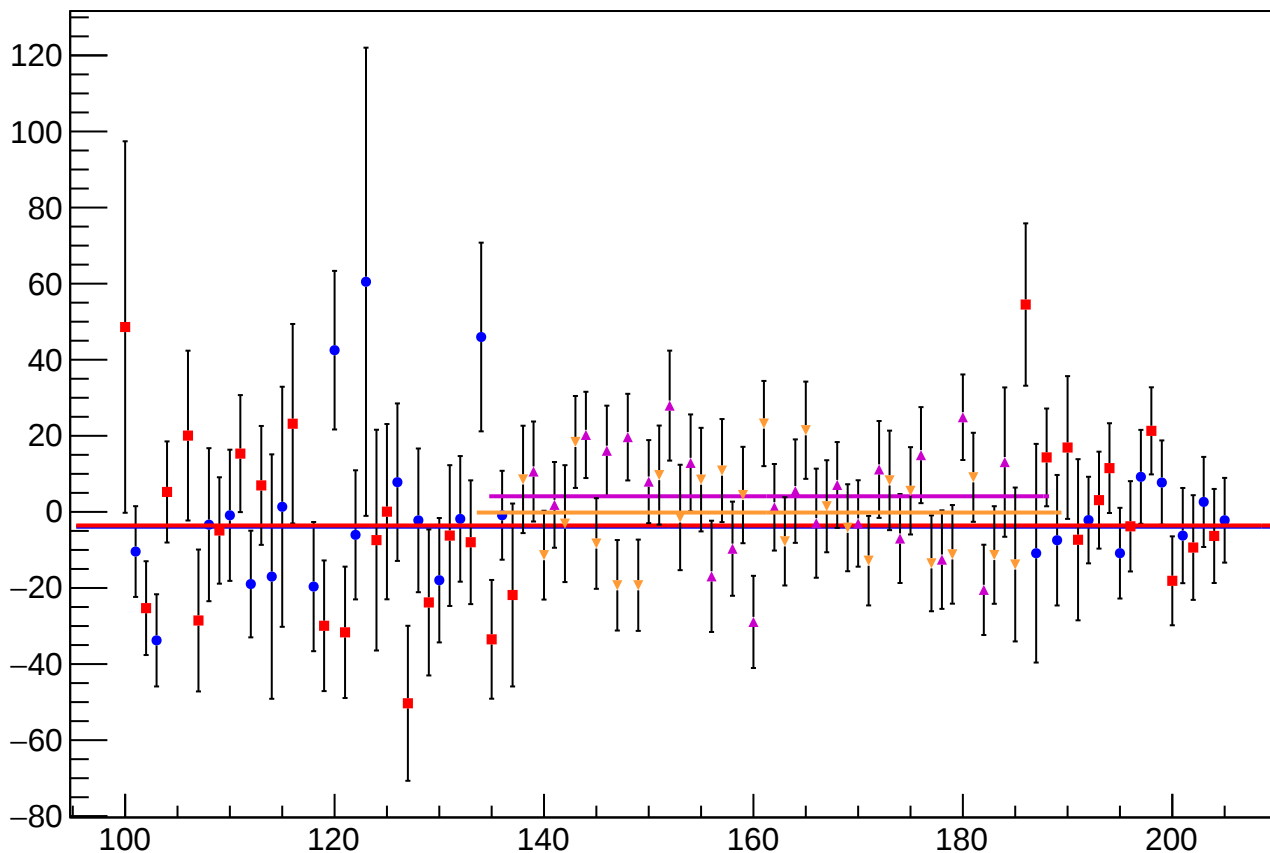
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 185.669 $\pm$ 0.025 χ^2 /NDF: 4113764.2/50

All: 180.646 $\pm$ 0.017 χ^2 /NDF: 8586814.5/103

- sign 176.065 $\pm$ 0.023 χ^2 /NDF: 4392705.7/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -3.895 ± 2.969 χ^2/NDF : 22.9/25

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -3.568 ± 2.881 χ^2/NDF : 45.4/29

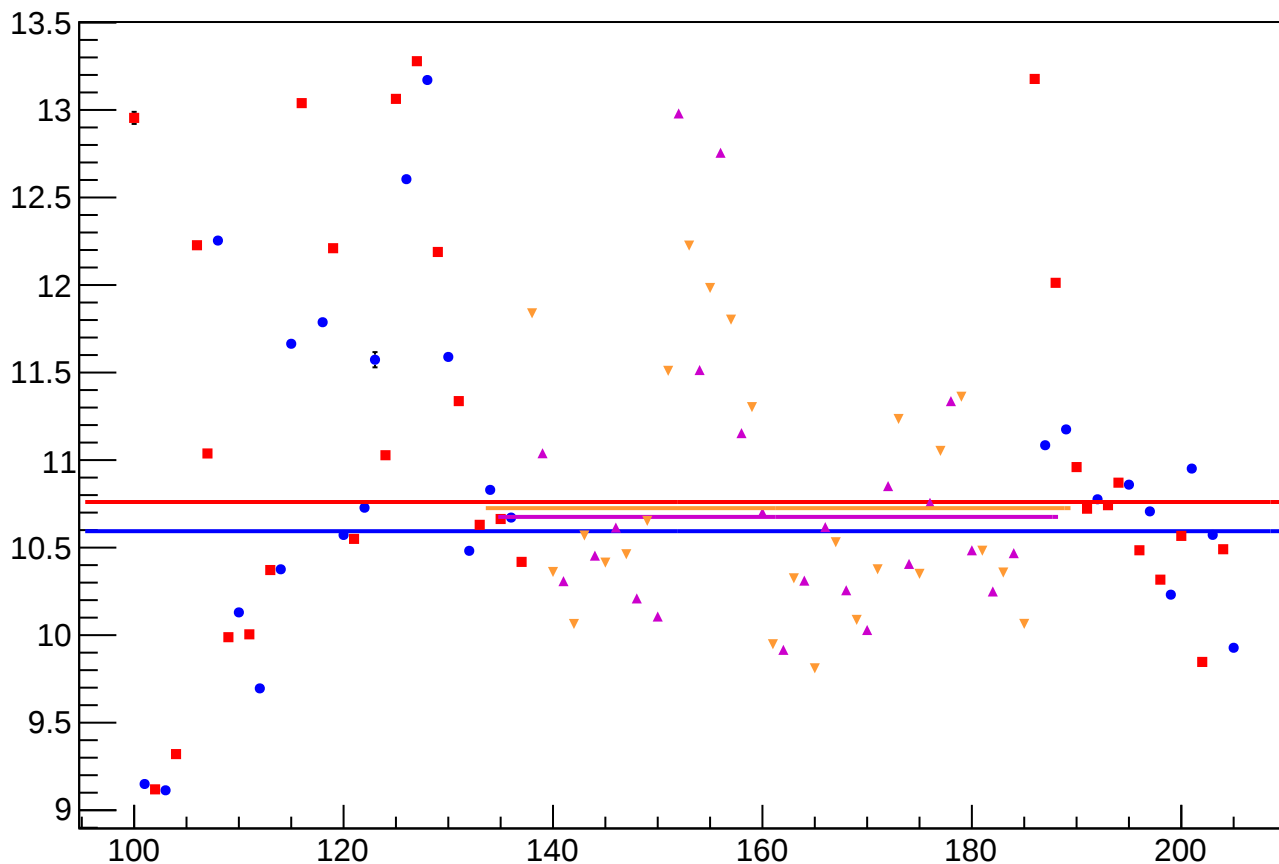
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -1.730 ± 1.922 χ^2/NDF : 48.2/50

All: -0.517 ± 1.359 χ^2/NDF : 129.9/103

- sign 0.696 ± 1.921 χ^2/NDF : 80.8/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.002 χ^2 /NDF: 174721.7/25

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.761 $\pm$ 0.002 χ^2 /NDF: 237651.1/29

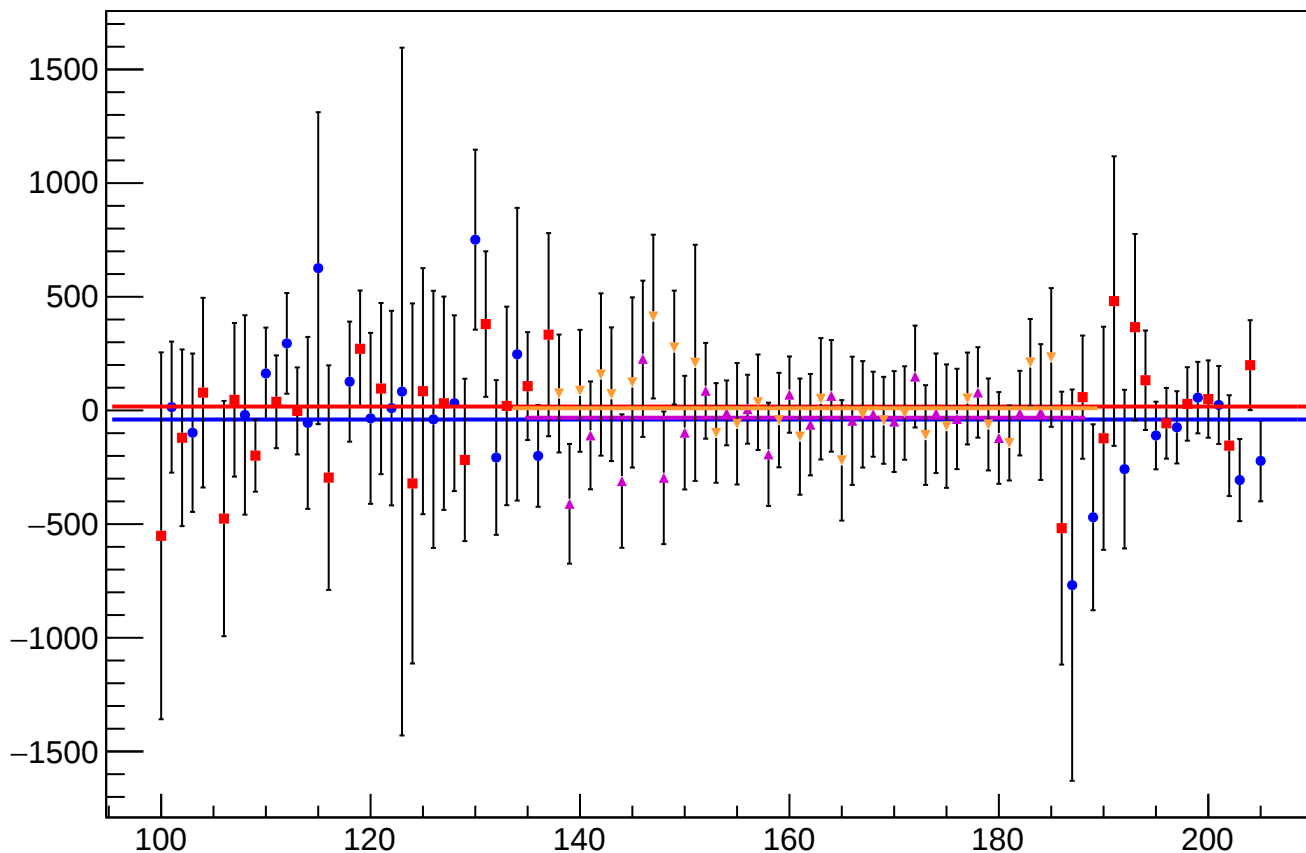
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.670 $\pm$ 0.001 χ^2 /NDF: 309175.6/50

All: 10.692 $\pm$ 0.001 χ^2 /NDF: 694233.7/103

- sign 10.713 $\pm$ 0.001 χ^2 /NDF: 384559.3/52

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -39.902 ± 50.565 χ^2/NDF : 15.9/25

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 17.189 ± 49.455 χ^2/NDF : 11.6/29

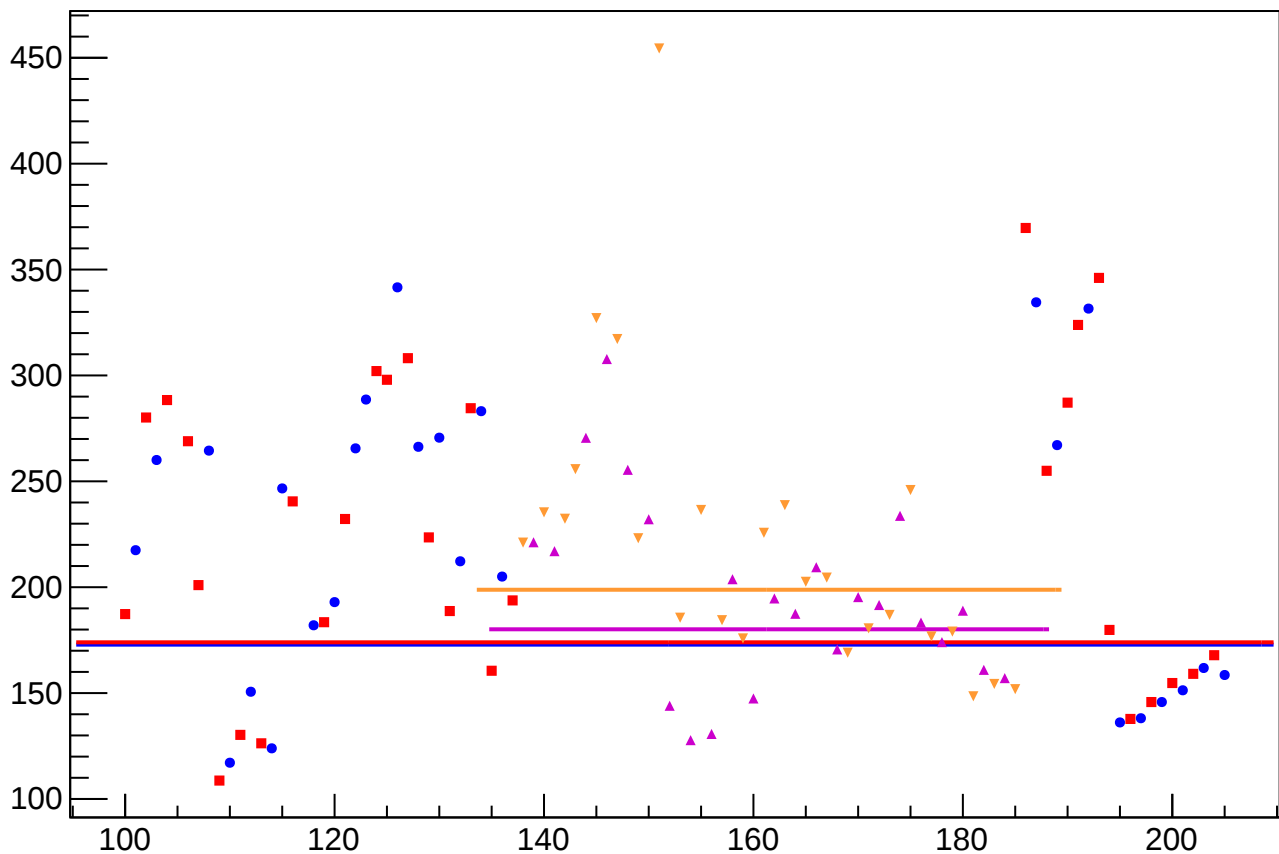
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -13.746 ± 34.805 χ^2/NDF : 24.0/50

All: -11.630 ± 24.061 χ^2/NDF : 43.3/103

- sign -9.693 ± 33.299 χ^2/NDF : 19.3/52

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.883 $\pm$ 0.036 χ^2/NDF : 2066548.4/25

Left Out: 198.800 $\pm$ 0.034 χ^2/NDF : 1763119.1/24

Right Out: 173.975 $\pm$ 0.035 χ^2/NDF : 2691937.3/29

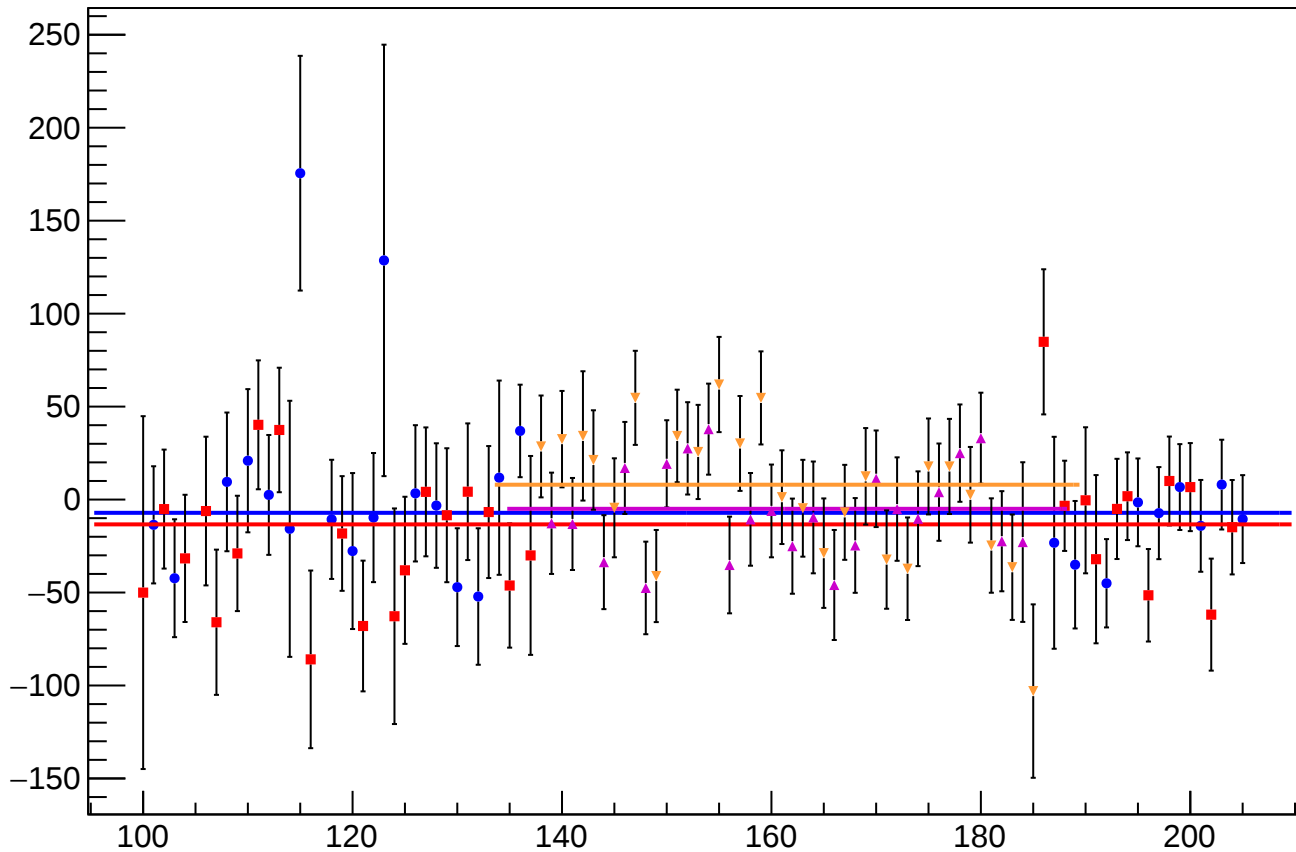
Left In: 180.123 $\pm$ 0.032 χ^2/NDF : 1593842.6/22

+ sign 186.521 $\pm$ 0.025 χ^2/NDF : 4106155.5/50

All: 181.726 $\pm$ 0.017 χ^2/NDF : 8481557.8/103

- sign 177.336 $\pm$ 0.024 χ^2/NDF : 4302673.4/52

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.128 ± 6.202 $\chi^2/\text{NDF}: 22.8/25$

Left Out: 7.990 ± 5.327 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -13.346 ± 5.968 $\chi^2/\text{NDF}: 28.7/29$

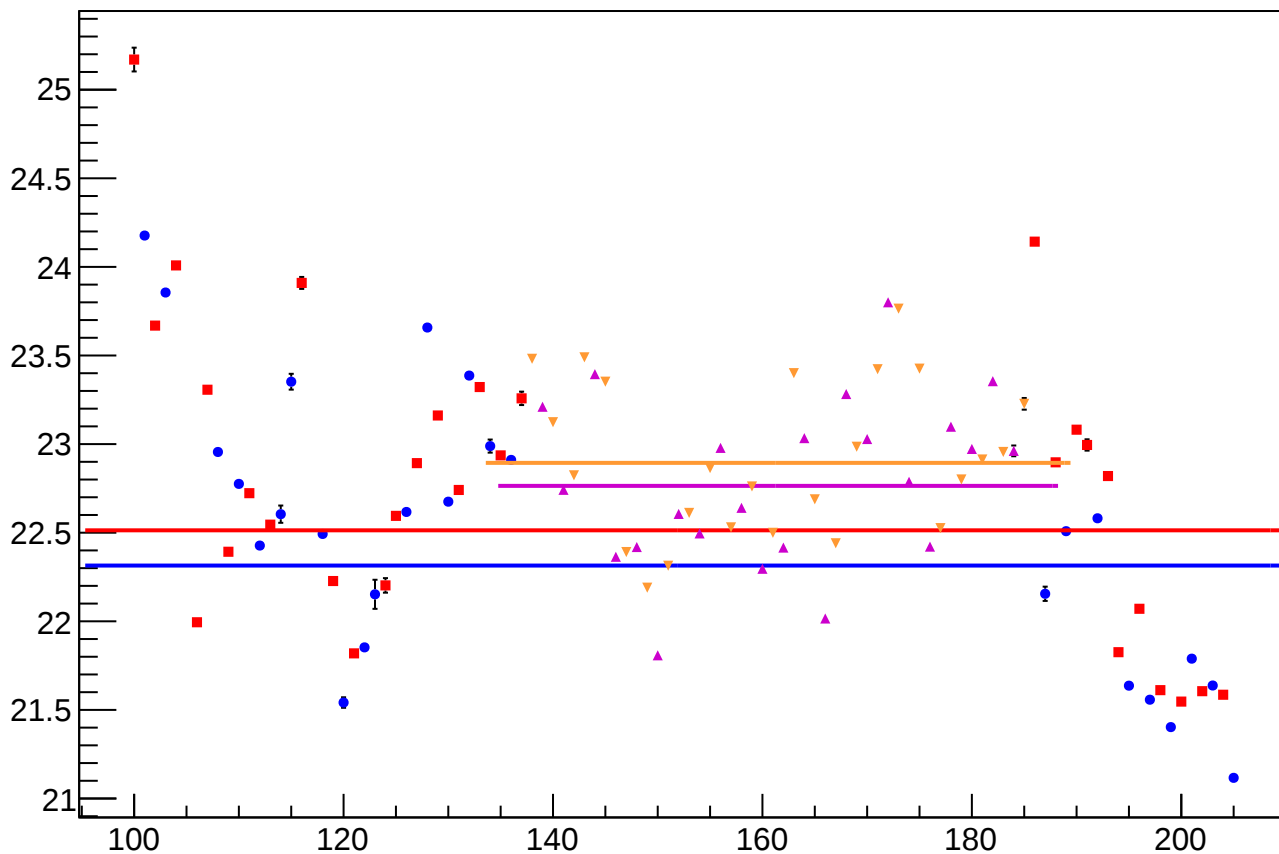
Left In: -4.973 ± 5.444 $\chi^2/\text{NDF}: 20.5/22$

+ sign 1.571 ± 4.041 $\chi^2/\text{NDF}: 63.6/50$

All: -3.626 ± 2.851 $\chi^2/\text{NDF}: 117.1/103$

- sign -8.776 ± 4.022 $\chi^2/\text{NDF}: 50.2/52$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.315 $\pm$ 0.004 χ^2 /NDF: 35669.2/25

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.513 $\pm$ 0.004 χ^2 /NDF: 32585.0/29

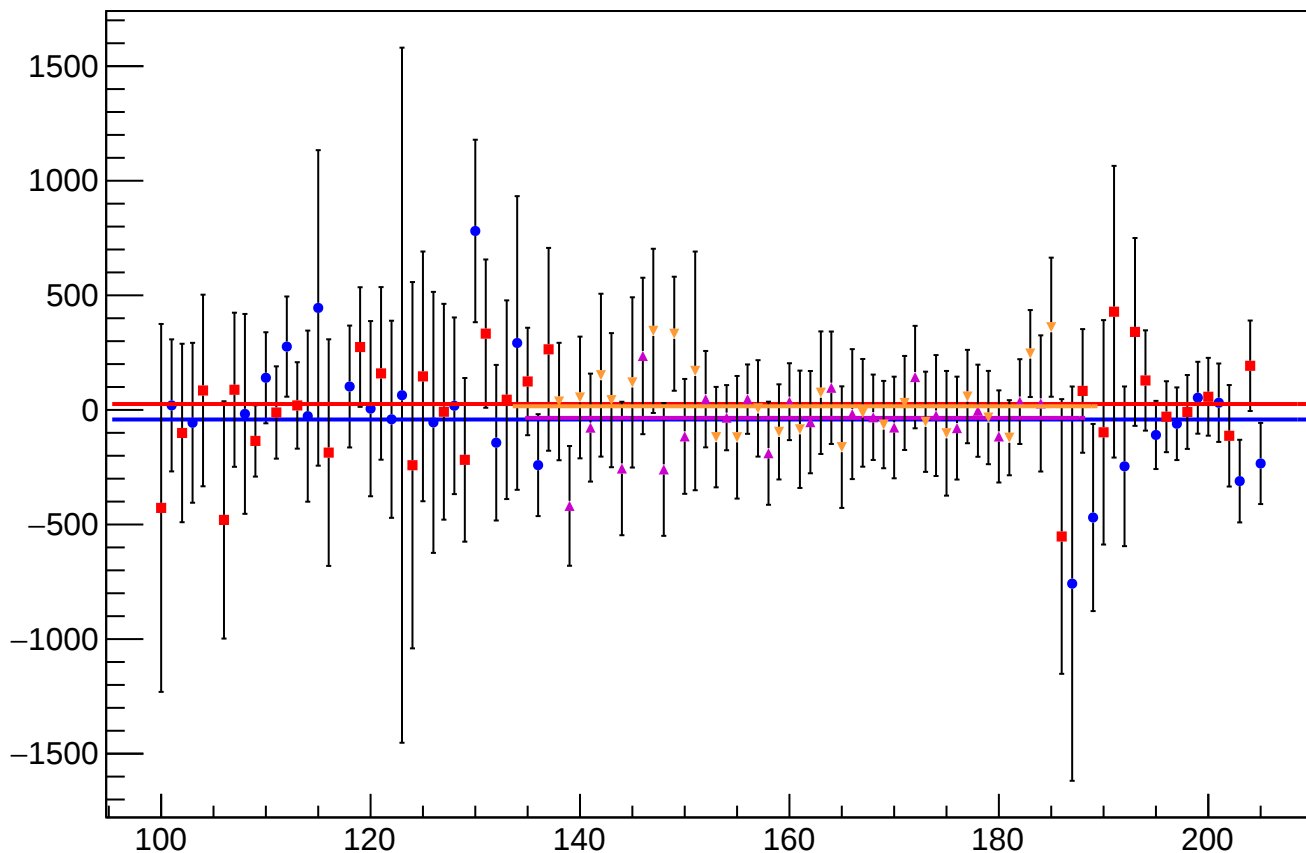
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.648 $\pm$ 0.003 χ^2 /NDF: 58788.6/50

All: 22.649 $\pm$ 0.002 χ^2 /NDF: 107968.0/103

- sign 22.650 $\pm$ 0.003 χ^2 /NDF: 49179.0/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -41.802 ± 50.417 χ^2/NDF : 15.6/25

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 25.770 ± 49.222 χ^2/NDF : 9.3/29

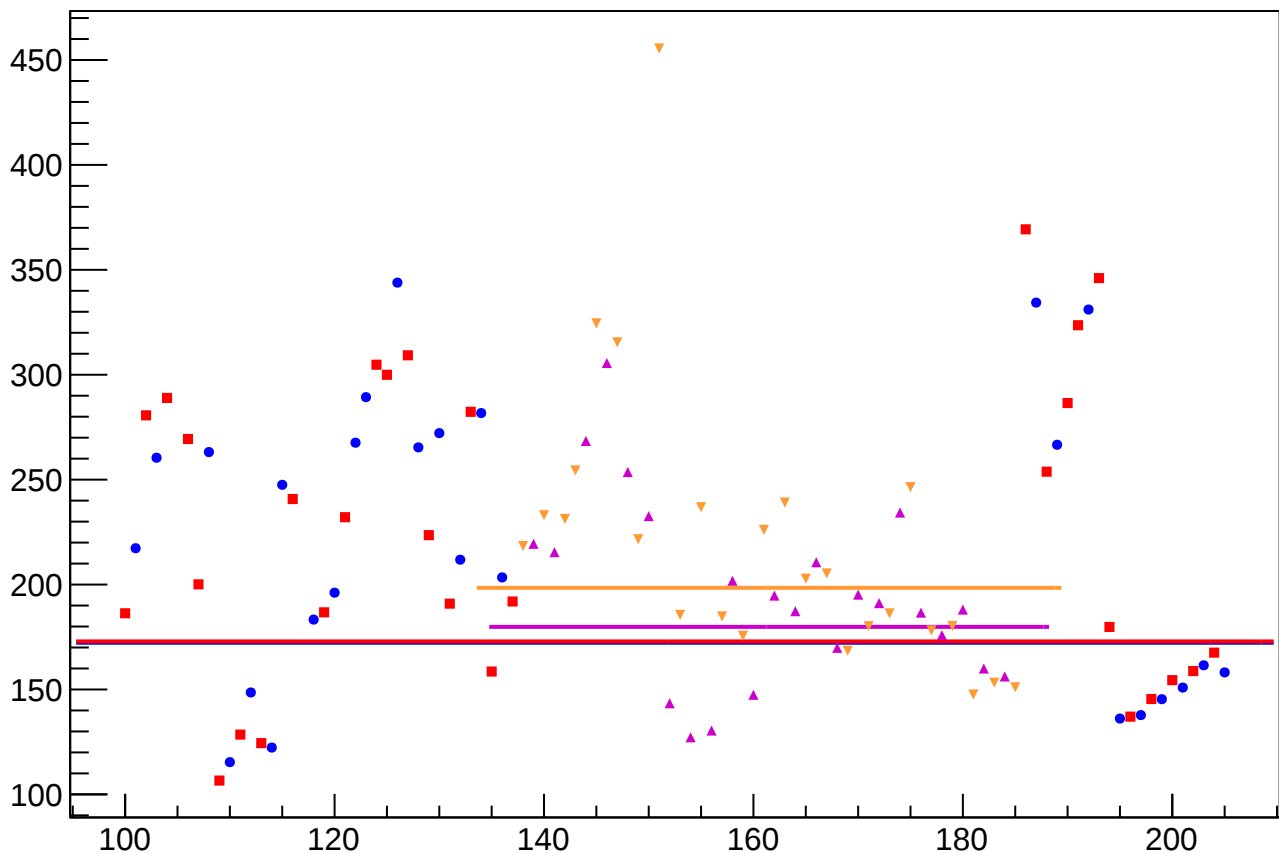
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign -11.472 ± 34.726 χ^2/NDF : 24.7/50

All: -9.296 ± 23.997 χ^2/NDF : 41.4/103

- sign -7.308 ± 33.200 χ^2/NDF : 16.7/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.279 $\pm$ 0.036 χ^2 /NDF: 2097267.4/25

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF:1761433.9/24

Right Out: 172.898 $\pm$ 0.035 χ^2 /NDF: 2763371.3/29

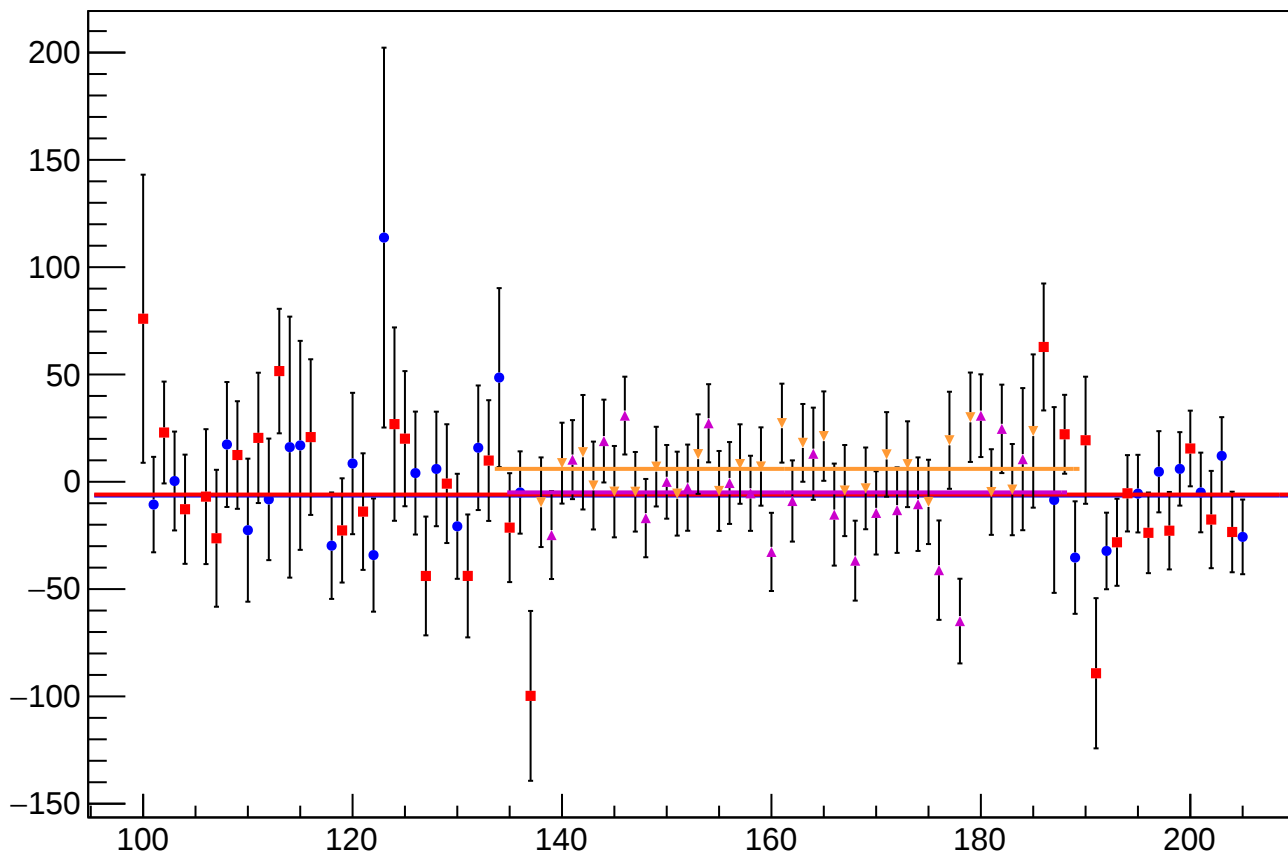
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 186.035 $\pm$ 0.025 χ^2 /NDF: 4141939.6/50

All: 181.148 $\pm$ 0.017 χ^2 /NDF: 8591630.9/103

- sign 176.681 $\pm$ 0.023 χ^2 /NDF: 4373882.7/52

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.407 ± 4.741 χ^2/NDF : 14.9/25

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -5.947 ± 4.585 χ^2/NDF : 40.7/29

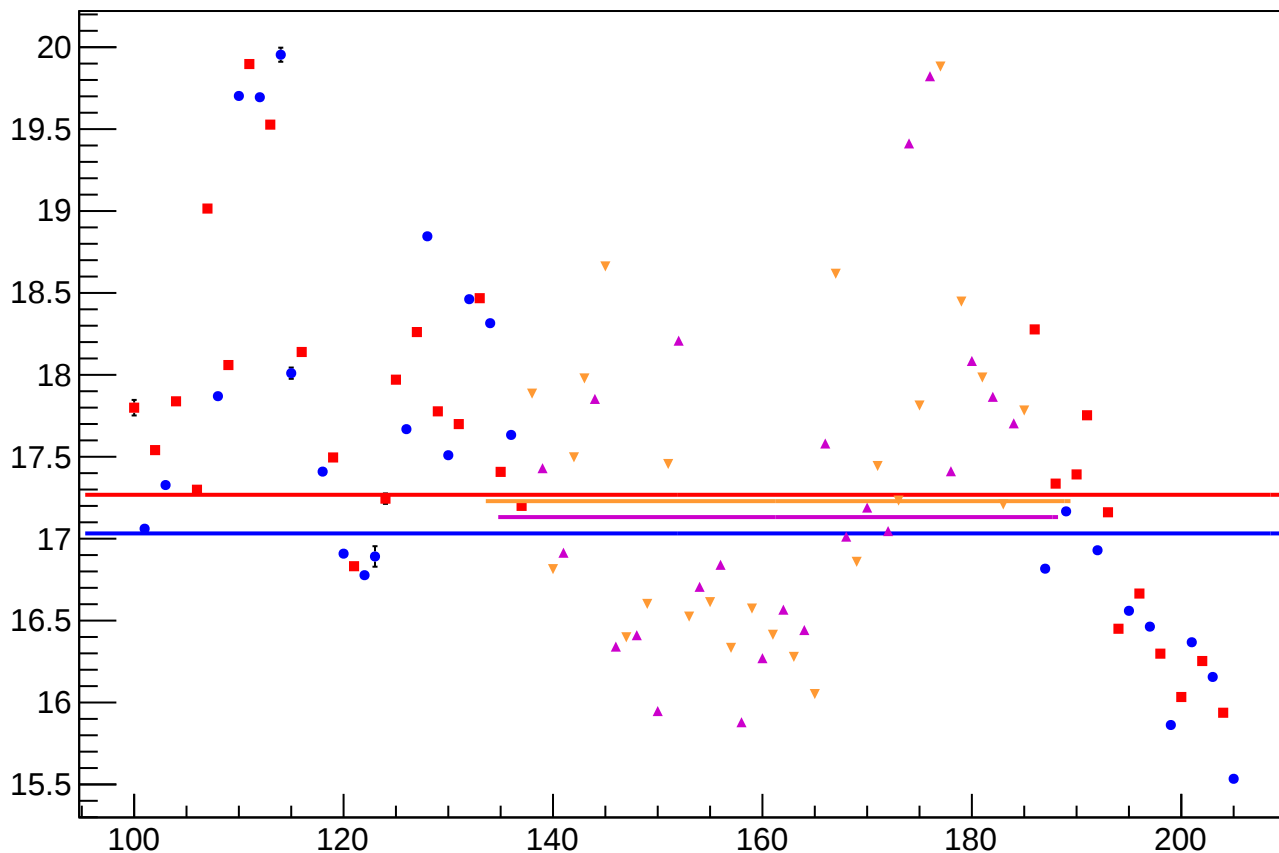
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 0.826 ± 3.065 χ^2/NDF : 27.1/50

All: -2.288 ± 2.165 χ^2/NDF : 104.7/103

- sign -5.390 ± 3.059 χ^2/NDF : 75.6/52

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.032 $\pm$ 0.003 χ^2 /NDF: 93100.8/25

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.268 $\pm$ 0.003 χ^2 /NDF: 85540.2/29

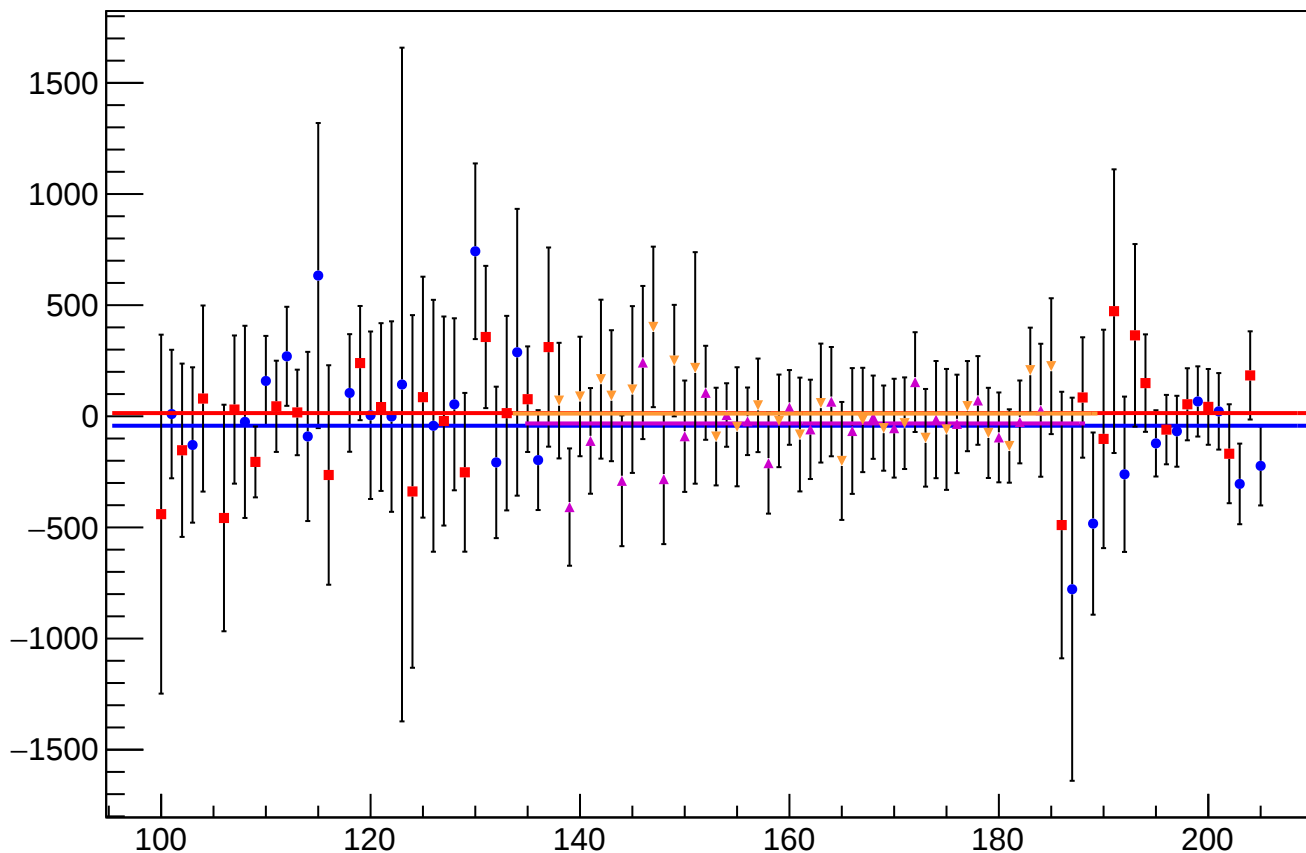
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.147 $\pm$ 0.002 χ^2 /NDF: 193736.2/50

All: 17.170 $\pm$ 0.002 χ^2 /NDF: 384473.5/103

- sign 17.192 $\pm$ 0.002 χ^2 /NDF: 190515.1/52

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -42.467 ± 50.716 χ^2/NDF : 15.7/25

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 14.423 ± 49.577 χ^2/NDF : 11.0/29

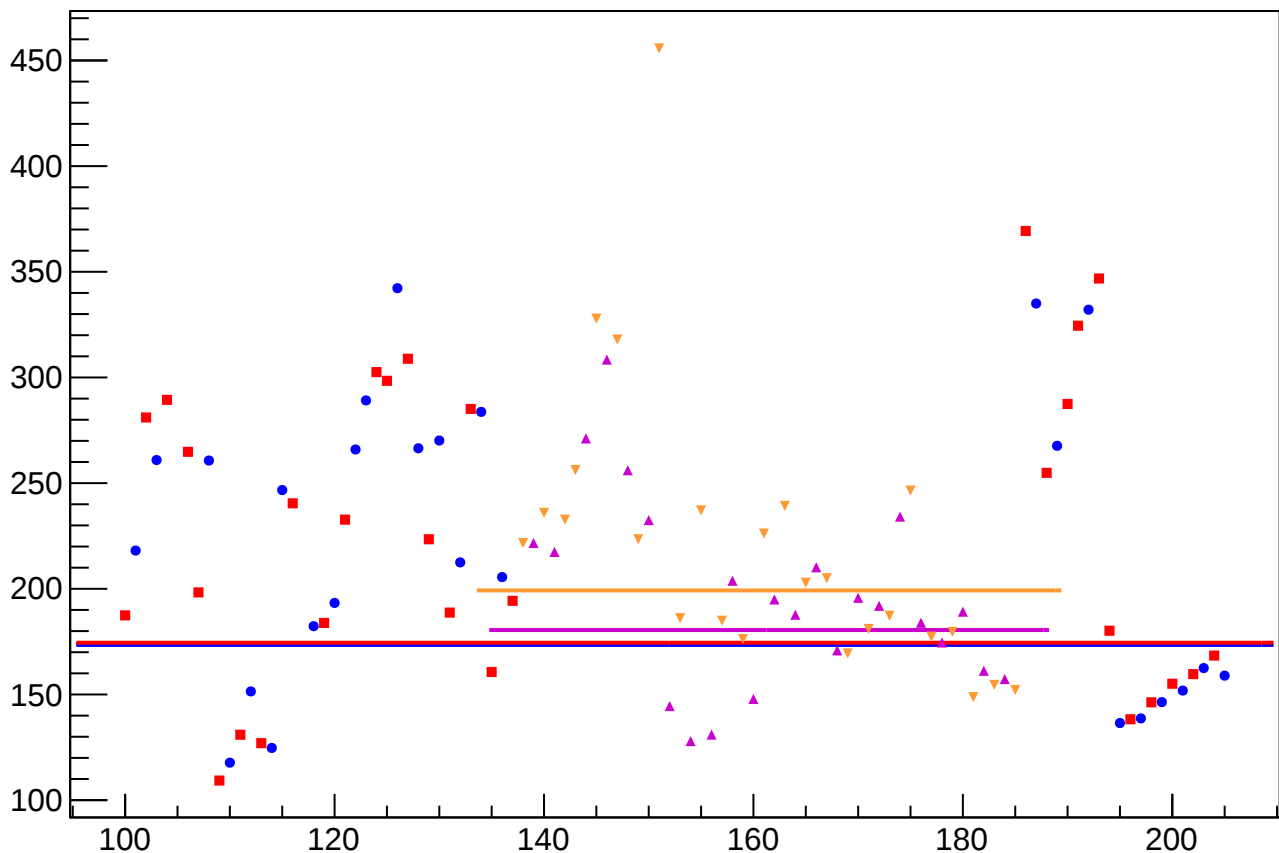
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign -13.535 ± 34.895 χ^2/NDF : 23.1/50

All: -12.237 ± 24.119 χ^2/NDF : 41.6/103

- sign -11.050 ± 33.374 χ^2/NDF : 18.4/52

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.464 $\pm$ 0.036 χ^2 /NDF: 2048451.7/25

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 174.485 $\pm$ 0.035 χ^2 /NDF: 2667956.6/29

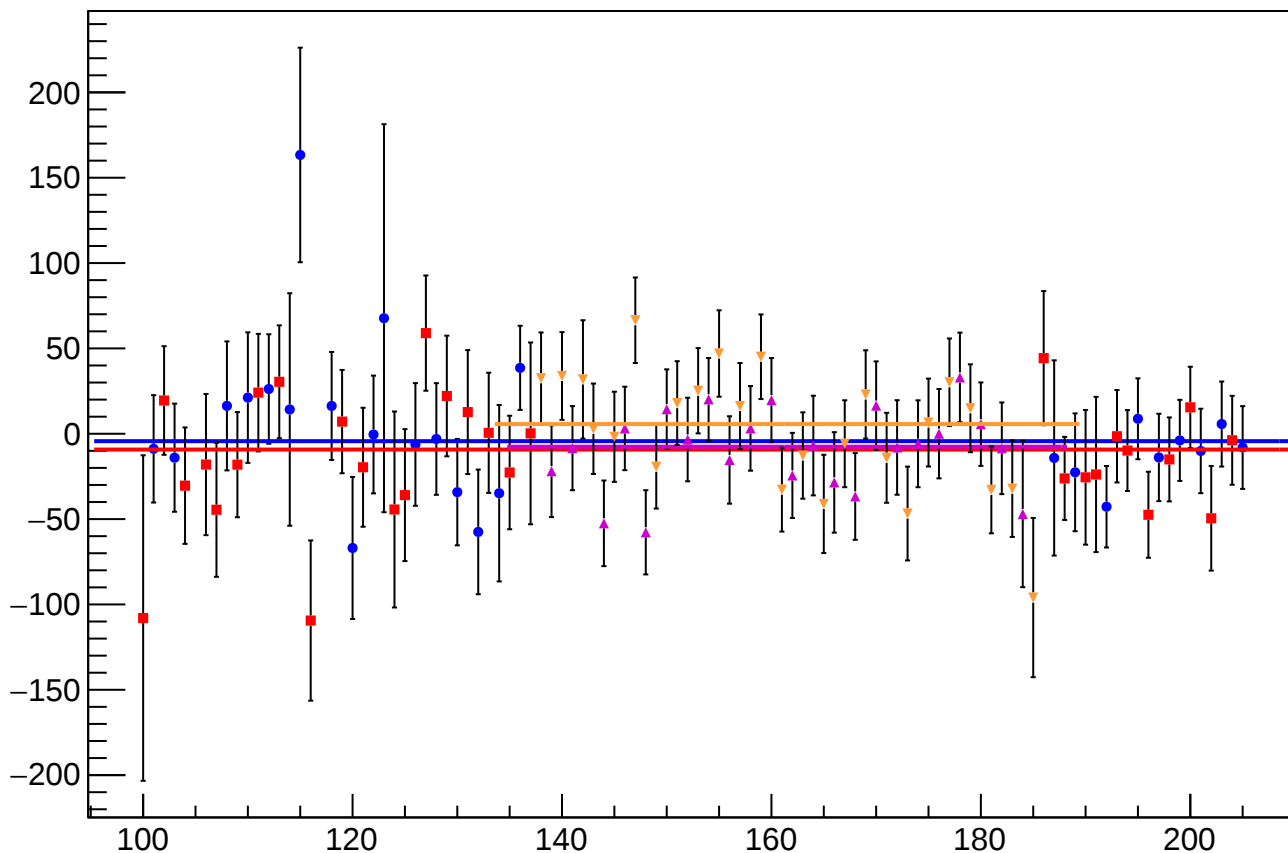
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 187.038 $\pm$ 0.025 χ^2 /NDF: 4084630.1/50

All: 182.198 $\pm$ 0.017 χ^2 /NDF: 8436108.3/103

- sign 177.771 $\pm$ 0.024 χ^2 /NDF: 4277805.1/52

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.340 $\pm$ 6.230 χ^2/NDF : 22.1/25

Left Out: 5.673 $\pm$ 5.278 χ^2/NDF : 36.4/24

Right Out: -9.252 $\pm$ 5.977 χ^2/NDF : 24.8/29

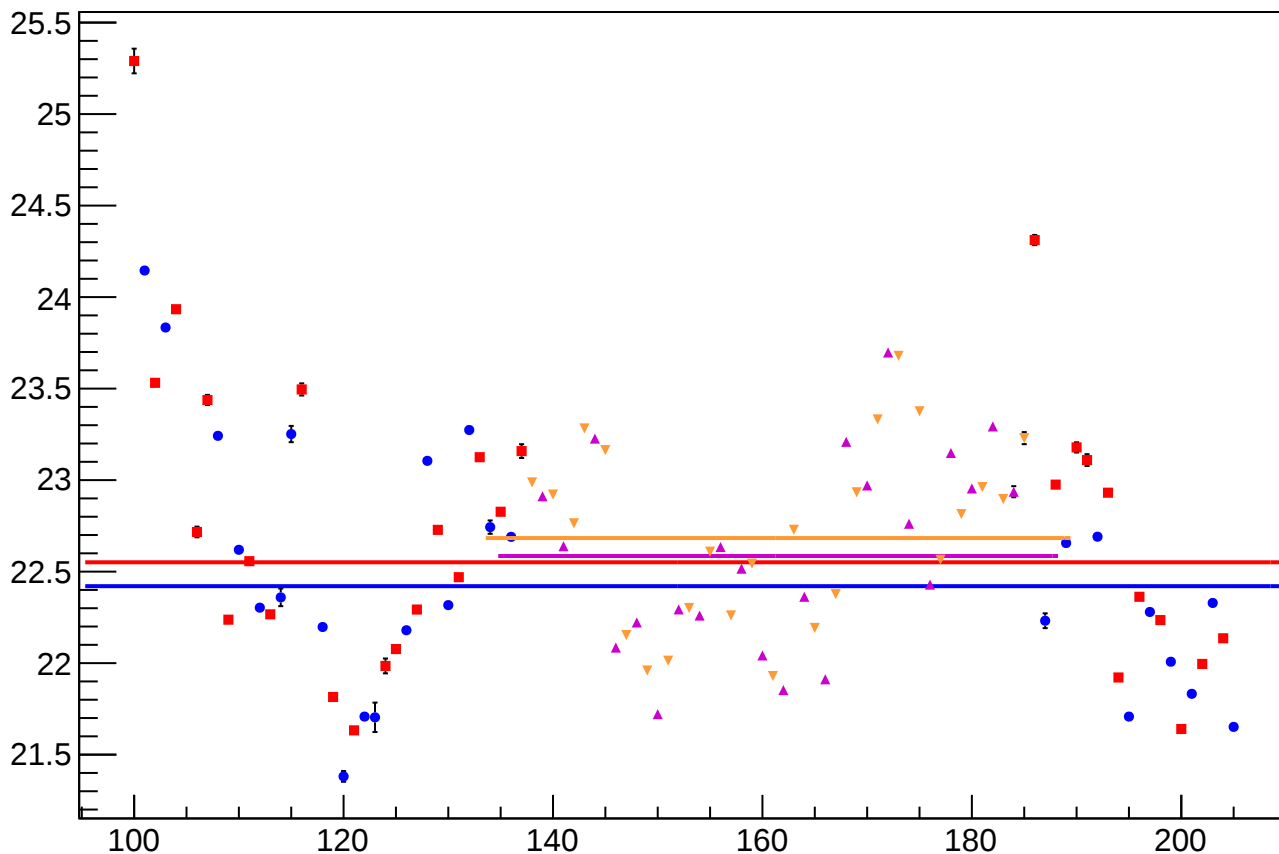
Left In: -7.594 $\pm$ 5.402 χ^2/NDF : 18.3/22

+ sign 1.489 $\pm$ 4.027 χ^2/NDF : 60.0/50

All: -3.449 $\pm$ 2.841 χ^2/NDF : 106.1/103

- sign -8.339 $\pm$ 4.008 χ^2/NDF : 43.1/52

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.421 $\pm$ 0.004 χ^2 /NDF: 22061.4/25

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.551 $\pm$ 0.004 χ^2 /NDF: 25005.0/29

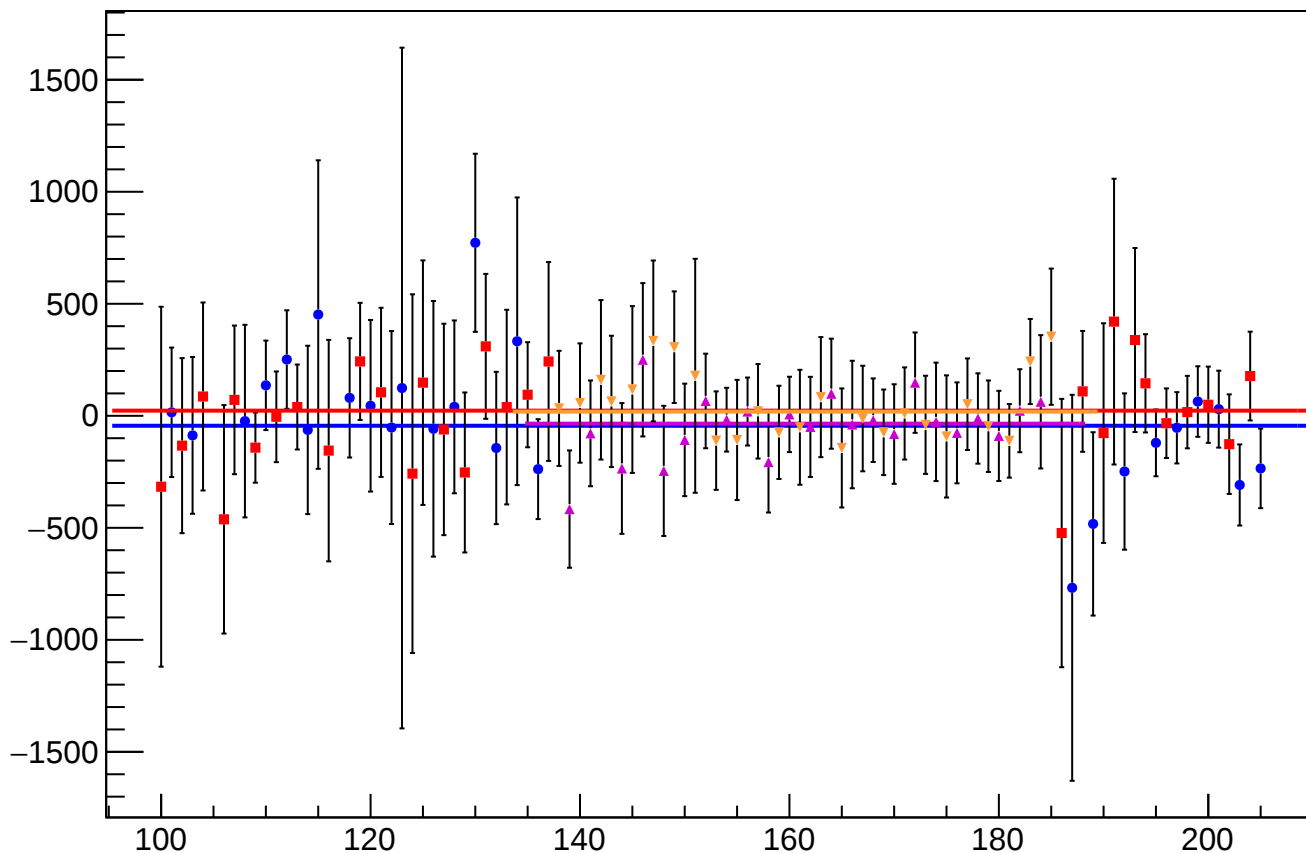
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.574 $\pm$ 0.003 χ^2 /NDF: 40453.4/50

All: 22.572 $\pm$ 0.002 χ^2 /NDF: 83582.7/103

- sign 22.570 $\pm$ 0.003 χ^2 /NDF: 43128.5/52

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -44.447 ± 50.569 χ^2/NDF : 15.3/25

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 23.071 ± 49.345 χ^2/NDF : 8.7/29

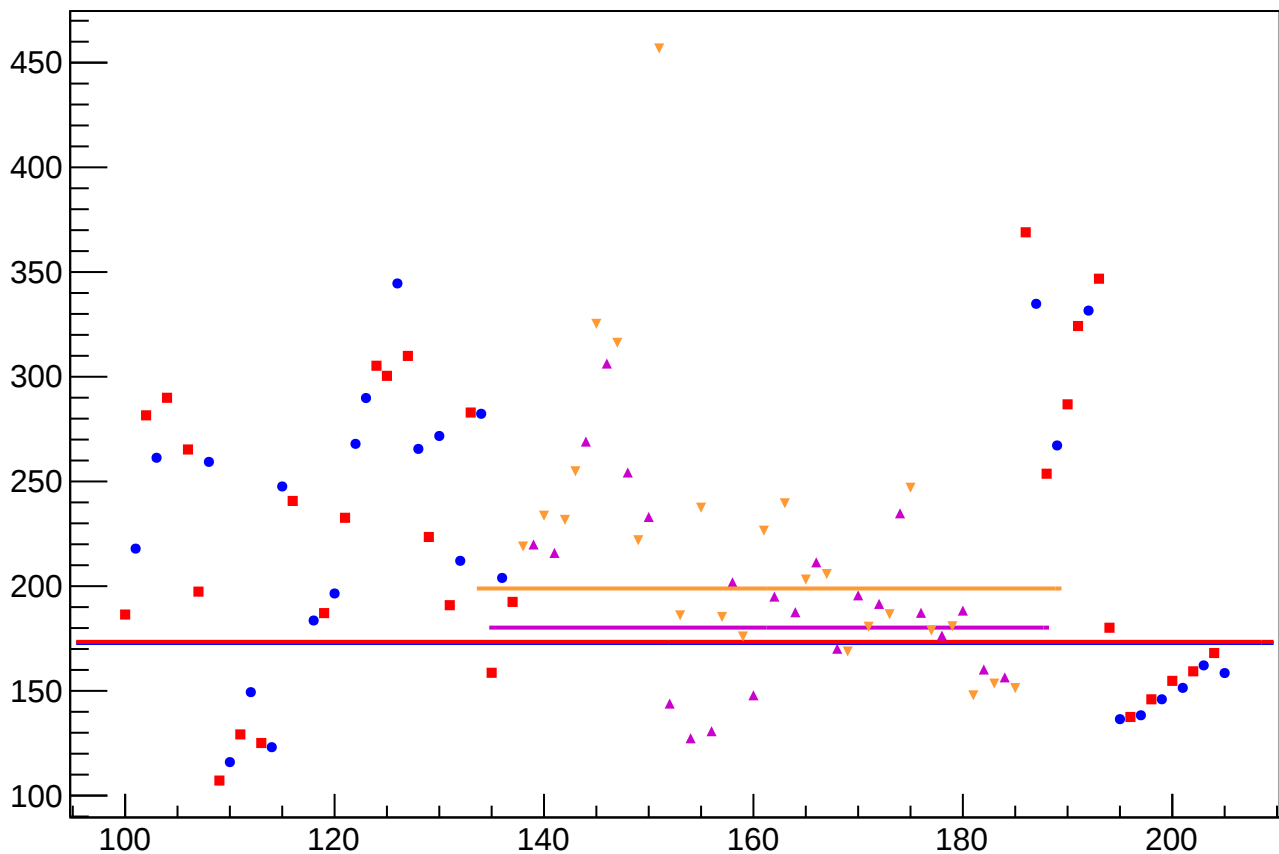
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -11.268 ± 34.816 χ^2/NDF : 23.8/50

All: -9.883 ± 24.056 χ^2/NDF : 39.5/103

- sign -8.618 ± 33.275 χ^2/NDF : 15.8/52

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.866 $\pm$ 0.036 χ^2 /NDF: 2078572.1/25

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF: 1762454.6/24

Right Out: 173.417 $\pm$ 0.035 χ^2 /NDF: 2738419.2/29

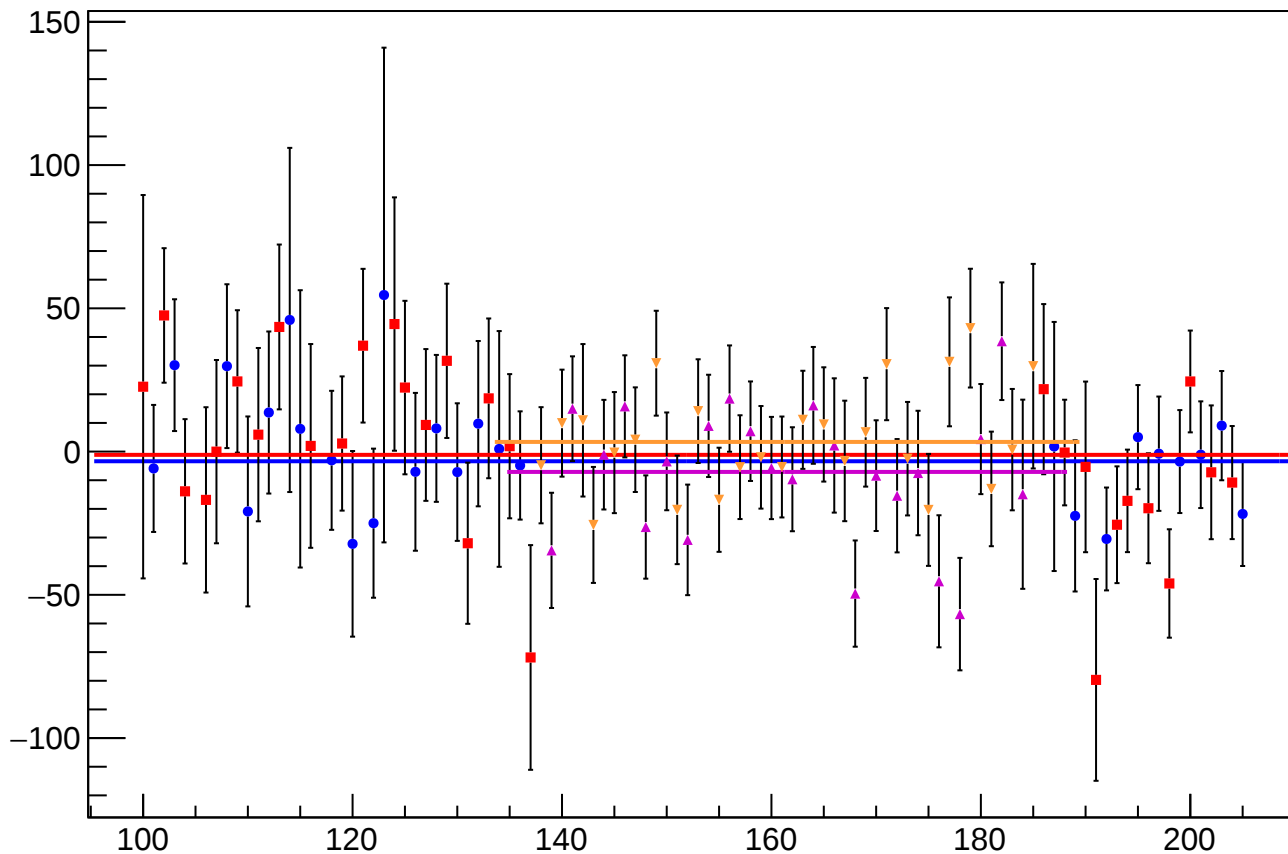
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF: 1589005.4/22

+ sign 186.555 $\pm$ 0.025 χ^2 /NDF: 4119633.2/50

All: 181.624 $\pm$ 0.017 χ^2 /NDF: 8544477.6/103

- sign 177.119 $\pm$ 0.024 χ^2 /NDF: 4348076.6/52

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.378 ± 4.778 χ^2/NDF : 11.8/25

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -1.140 ± 4.599 χ^2/NDF : 35.6/29

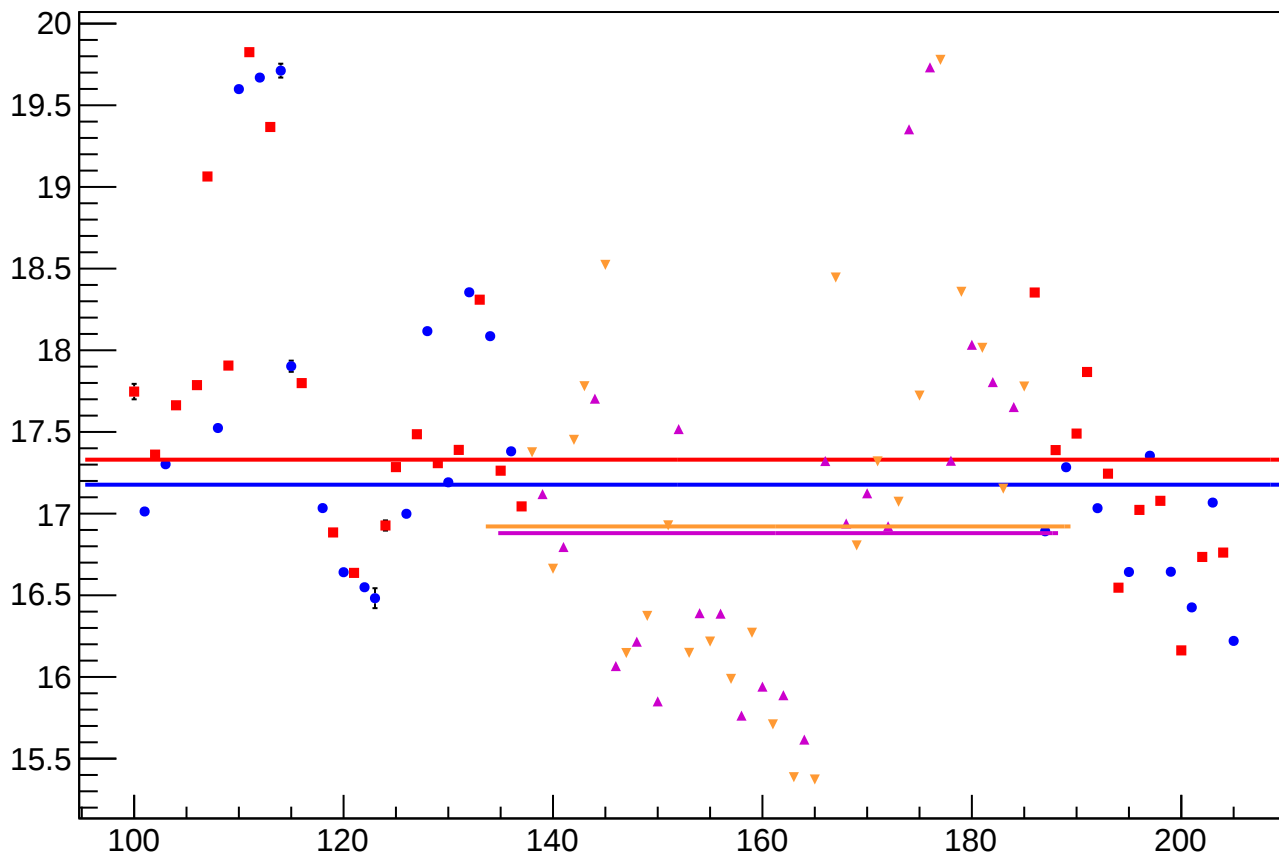
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 0.634 ± 3.043 χ^2/NDF : 31.8/50

All: -1.936 ± 2.150 χ^2/NDF : 102.2/103

- sign -4.498 ± 3.038 χ^2/NDF : 69.0/52

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.177 $\pm$ 0.003 χ^2 /NDF: 52665.0/25

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.330 $\pm$ 0.003 χ^2 /NDF: 55914.7/29

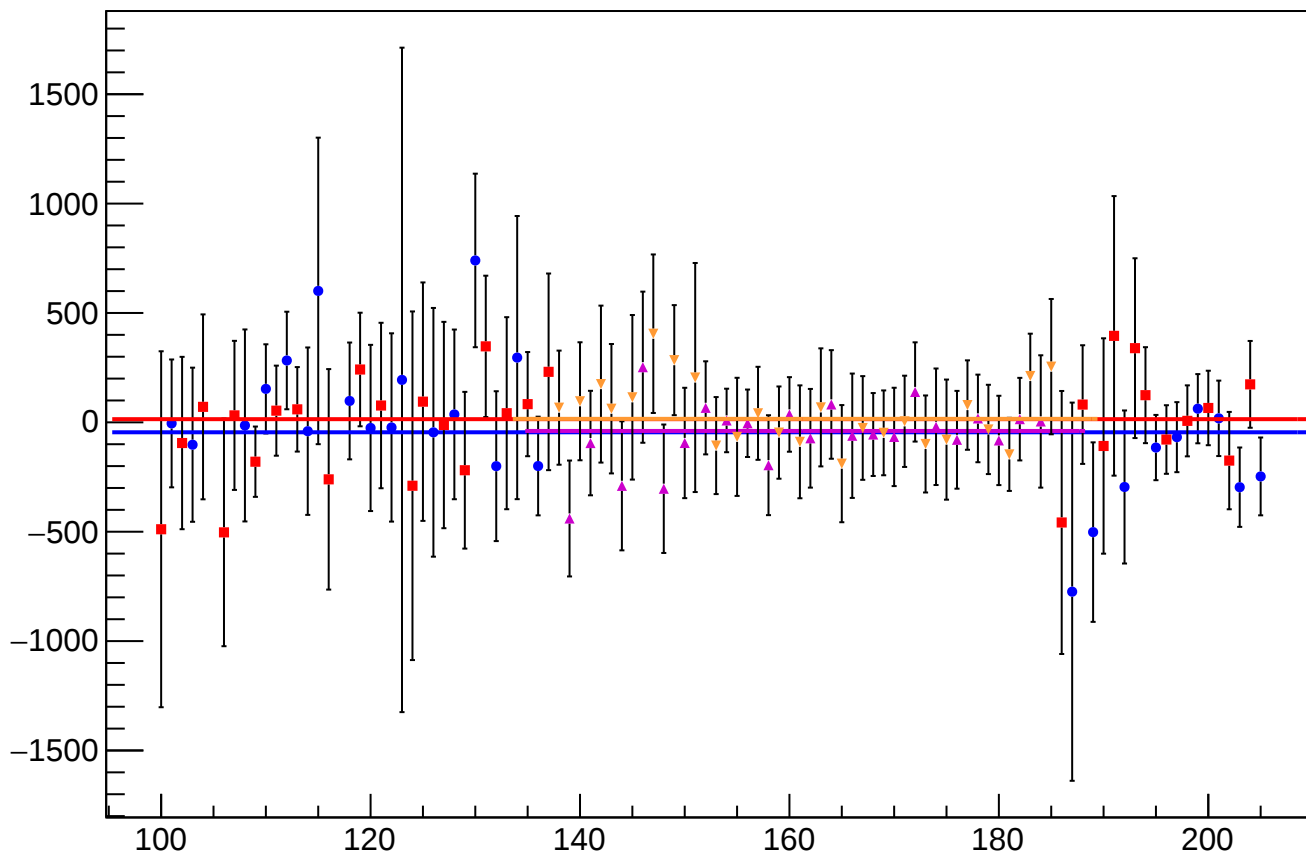
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.025 $\pm$ 0.002 χ^2 /NDF: 195057.6/50

All: 17.051 $\pm$ 0.002 χ^2 /NDF: 383780.2/103

- sign 17.077 $\pm$ 0.002 χ^2 /NDF: 188434.1/52

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -45.456 ± 50.870 χ^2/NDF : 15.7/25

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 14.531 ± 49.769 χ^2/NDF : 9.9/29

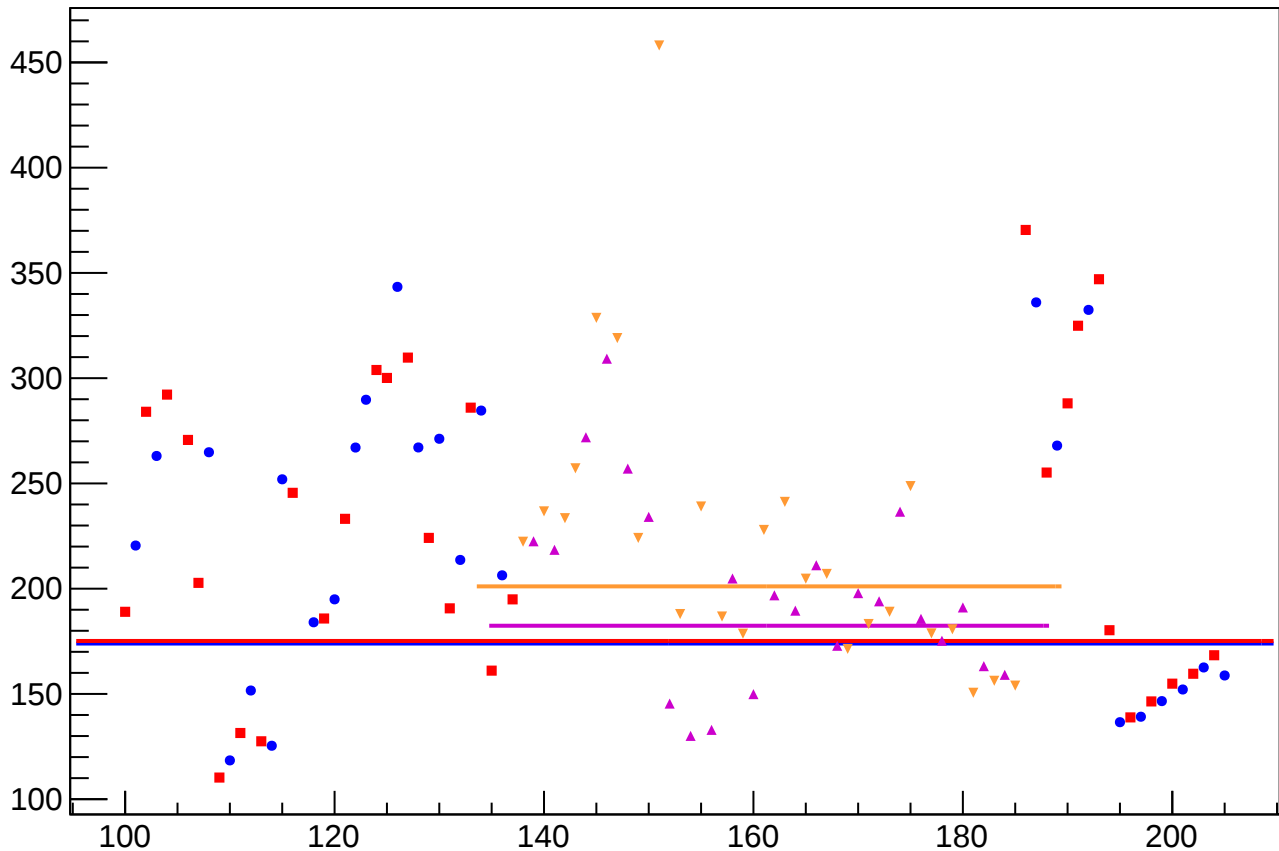
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -13.281 ± 35.104 χ^2/NDF : 23.9/50

All: -14.069 ± 24.277 χ^2/NDF : 41.3/103

- sign -14.792 ± 33.610 χ^2/NDF : 17.4/52

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.946 $\pm$ 0.036 χ^2 /NDF: 2063939.2/25

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 175.163 $\pm$ 0.035 χ^2 /NDF: 2676490.1/29

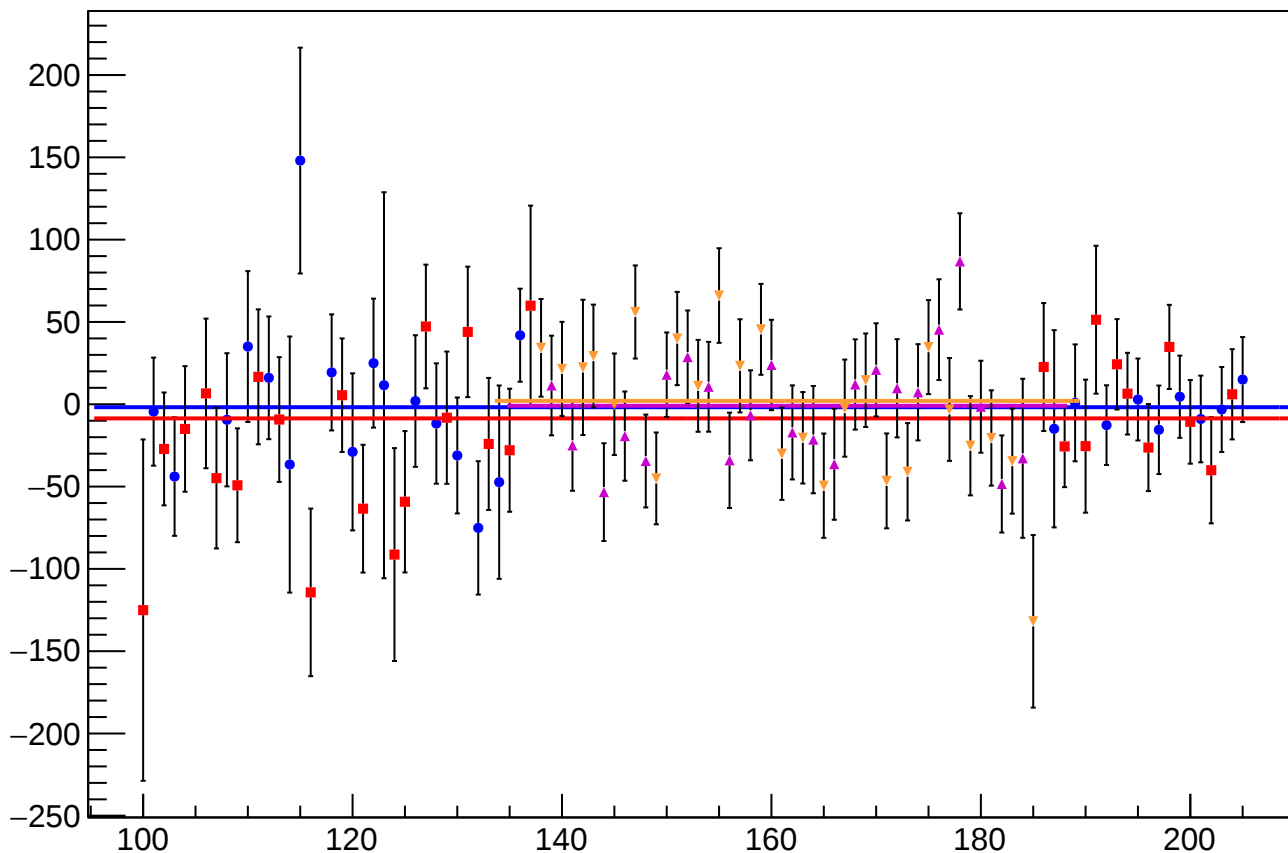
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 188.165 $\pm$ 0.025 χ^2 /NDF: 4093316.1/50

All: 183.434 $\pm$ 0.017 χ^2 /NDF: 8411309.7/103

- sign 179.097 $\pm$ 0.024 χ^2 /NDF: 4248376.2/52

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.787 ± 6.741 χ^2/NDF : 16.6/25

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -8.585 ± 6.429 χ^2/NDF : 28.8/29

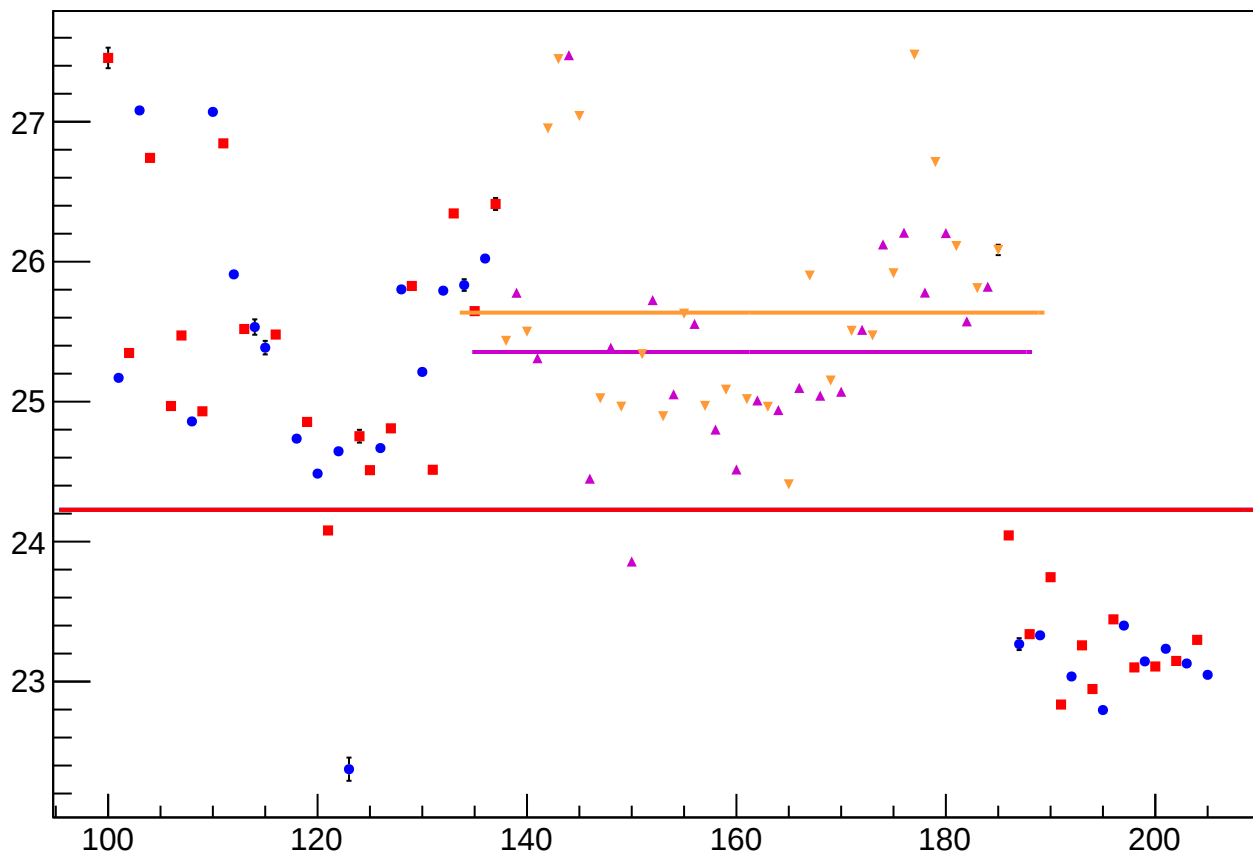
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 0.365 ± 4.469 χ^2/NDF : 56.2/50

All: -2.109 ± 3.140 χ^2/NDF : 113.4/103

- sign -4.522 ± 4.413 χ^2/NDF : 56.6/52

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.228 $\pm$ 0.005 χ^2 /NDF: 76399.0/25

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.227 $\pm$ 0.005 χ^2 /NDF: 69931.5/29

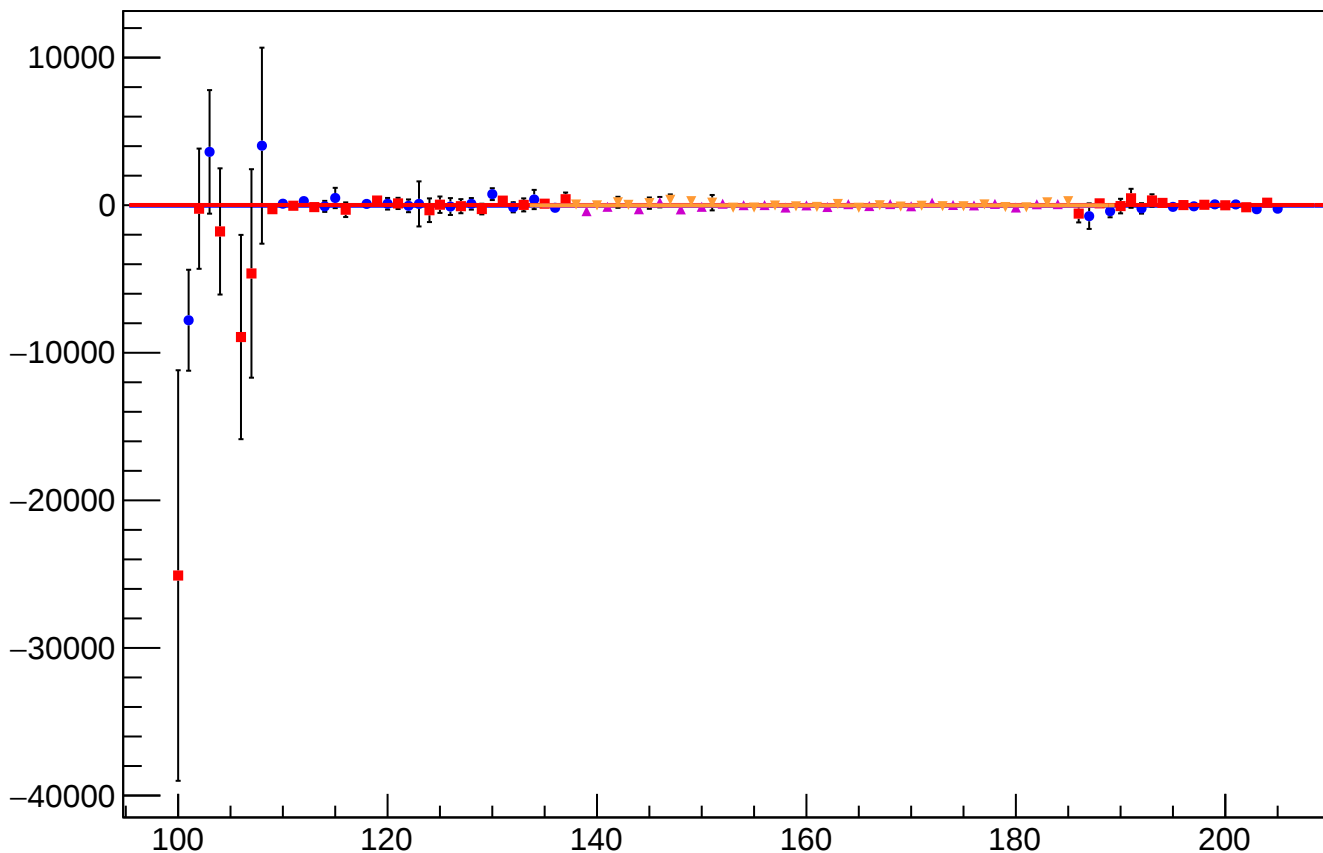
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.017 $\pm$ 0.003 χ^2 /NDF: 160443.7/50

All: 24.919 $\pm$ 0.002 χ^2 /NDF: 294583.1/103

- sign 24.823 $\pm$ 0.003 χ^2 /NDF: 132235.6/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -36.572 ± 53.565 χ^2/NDF : 20.0/25

Left Out: -12.820 ± 48.216 χ^2/NDF : 7.9/24

Right Out: 14.898 ± 53.430 χ^2/NDF : 15.8/29

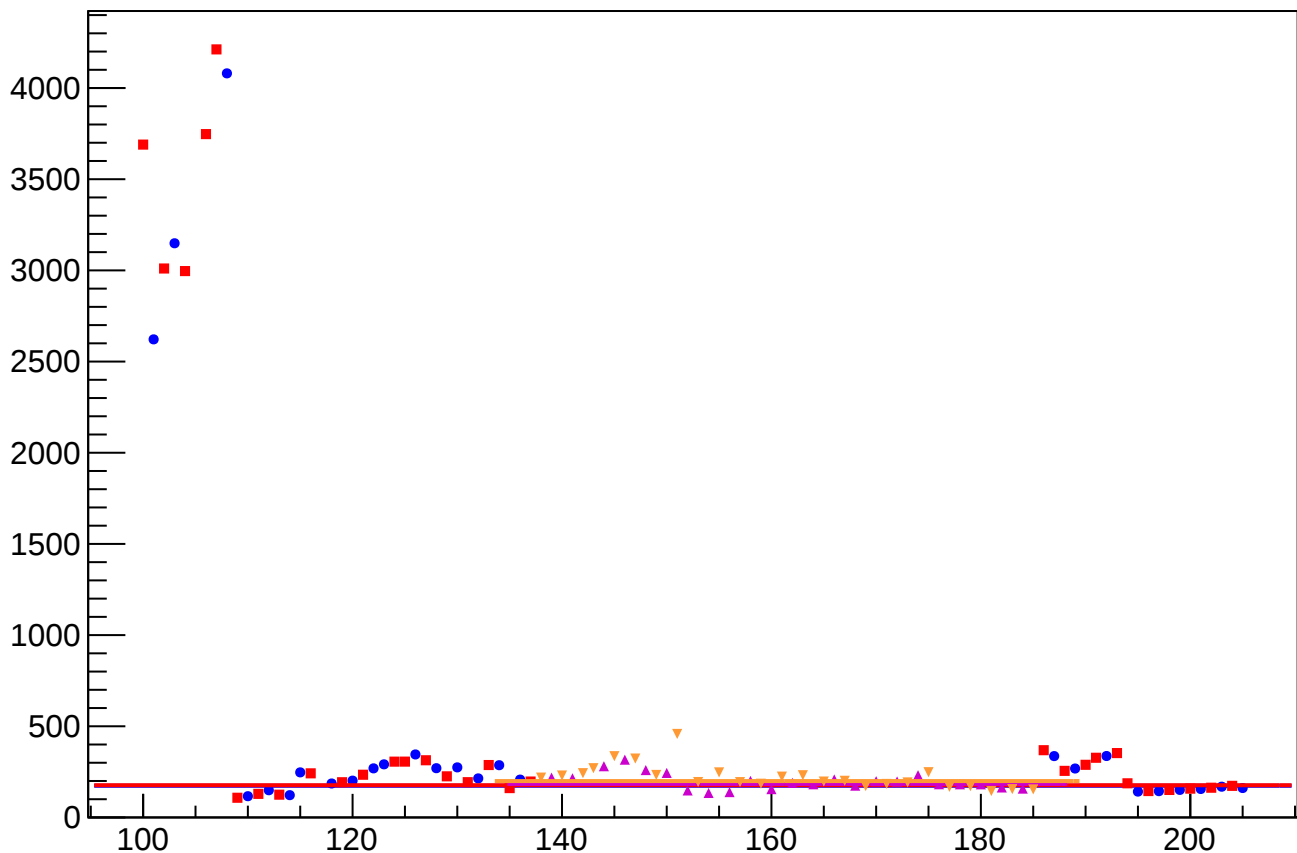
Left In: -26.836 ± 45.876 χ^2/NDF : 7.5/22

+ sign -23.451 ± 35.836 χ^2/NDF : 27.9/50

All: -16.080 ± 24.968 χ^2/NDF : 51.6/103

- sign -9.126 ± 34.806 χ^2/NDF : 23.6/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.817 $\pm$ 0.038 χ^2 /NDF: 4475570.4/25

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 176.715 $\pm$ 0.038 χ^2 /NDF: 5308110.0/29

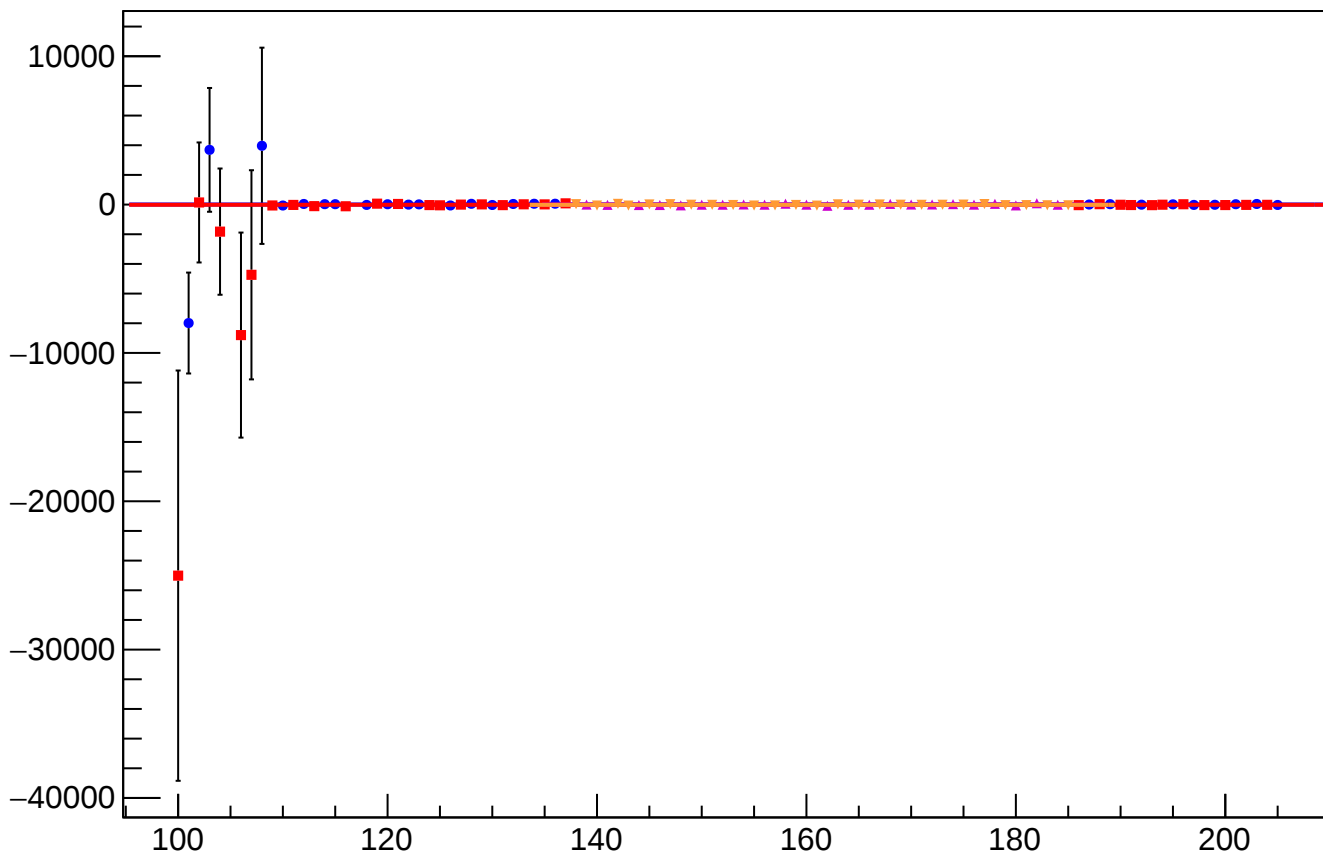
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 188.024 $\pm$ 0.025 χ^2 /NDF: 6610813.6/50

All: 184.372 $\pm$ 0.018 χ^2 /NDF: 13404337.4/10

- sign 180.926 $\pm$ 0.025 χ^2 /NDF: 6753153.8/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 6.451+/-8.150 χ^2/NDF : 23.6/25

Left Out: -17.580+/-6.694 χ^2/NDF :22.3/24

Right Out: -13.202+/-7.913 χ^2/NDF : 29.1/29

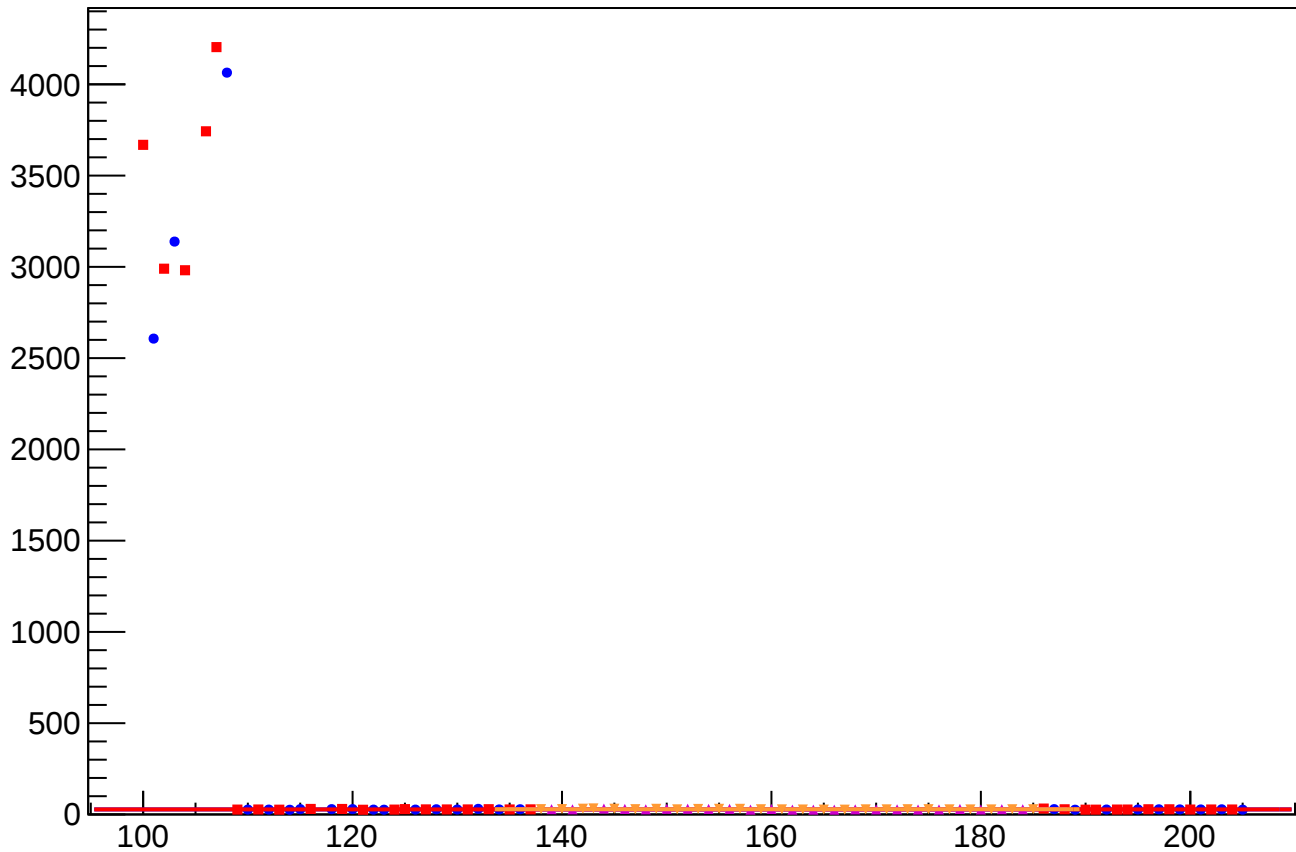
Left In: -1.038+/-6.880 χ^2/NDF :32.4/22

+ sign -7.900+/-5.173 χ^2/NDF : 51.1/50

All: -7.090+/-3.664 χ^2/NDF : 114.0/103

- sign -6.275+/-5.192 χ^2/NDF : 62.9/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.555 $\pm$ 0.006 χ^2 /NDF: 3040148.6/25

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.615 $\pm$ 0.006 χ^2 /NDF: 3503126.1/29

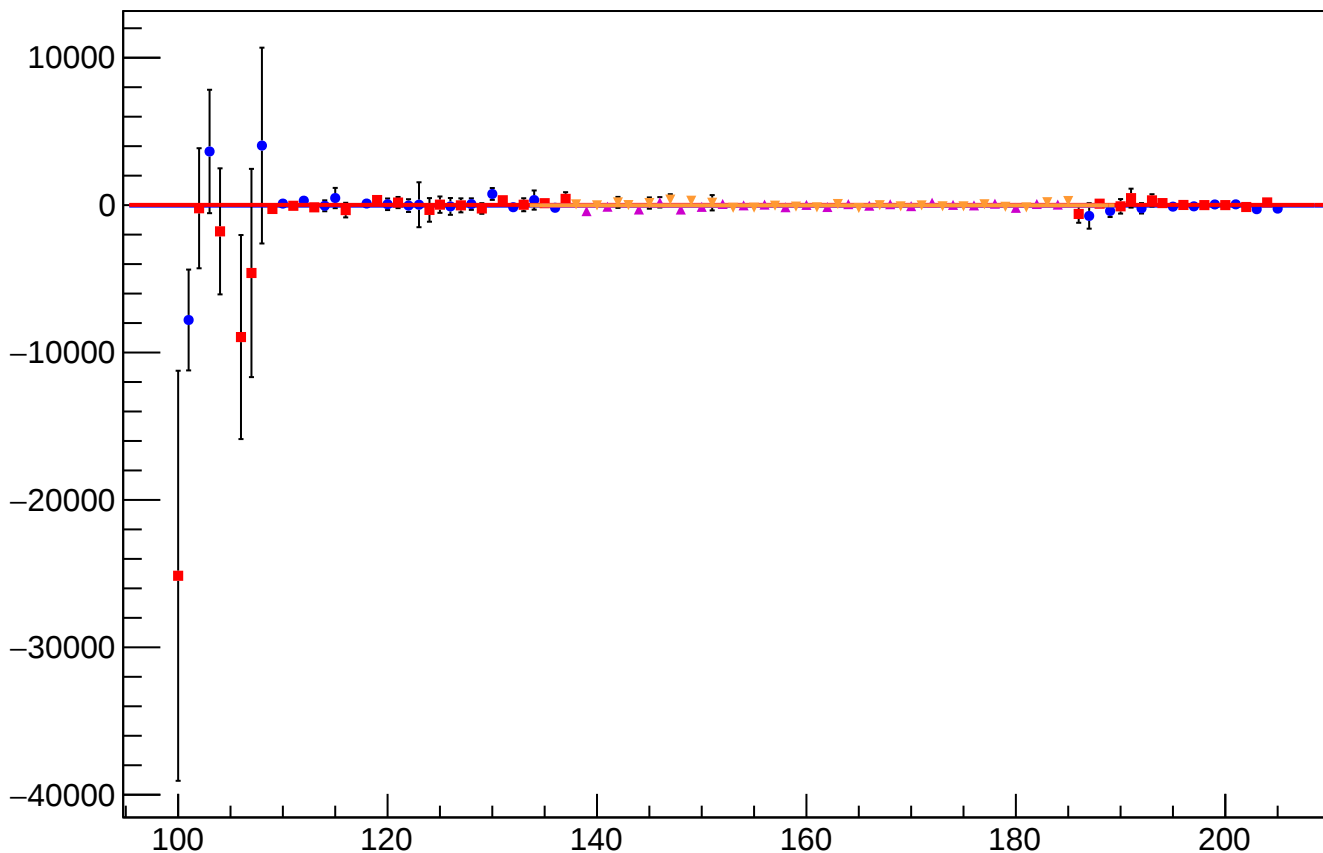
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.233 $\pm$ 0.004 χ^2 /NDF: 3173810.0/50

All: 28.225 $\pm$ 0.003 χ^2 /NDF: 6822043.0/103

- sign 28.217 $\pm$ 0.004 χ^2 /NDF: 3648223.4/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -34.429 $\pm$ 53.398 χ^2 /NDF: 20.2/25

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF: 8.7/24

Right Out: 17.155 $\pm$ 53.278 χ^2 /NDF: 16.5/29

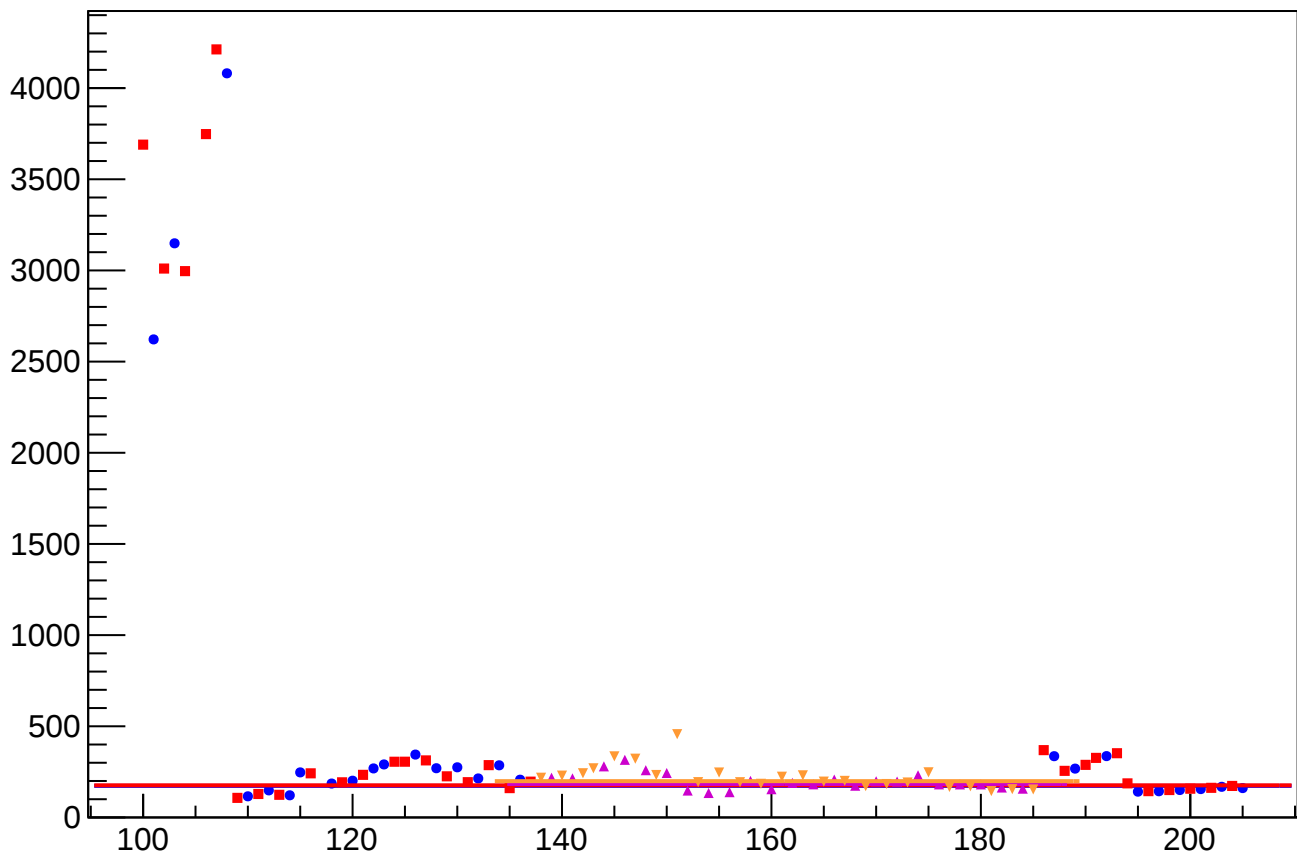
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF: 7.8/22

+ sign -23.971 $\pm$ 35.742 χ^2 /NDF: 28.9/50

All: -15.883 $\pm$ 24.906 χ^2 /NDF: 53.7/103

- sign -8.249 $\pm$ 34.724 χ^2 /NDF: 24.7/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.222 $\pm$ 0.038 χ^2 /NDF: 4488793.1/25

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 176.146 $\pm$ 0.038 χ^2 /NDF: 5325599.1/29

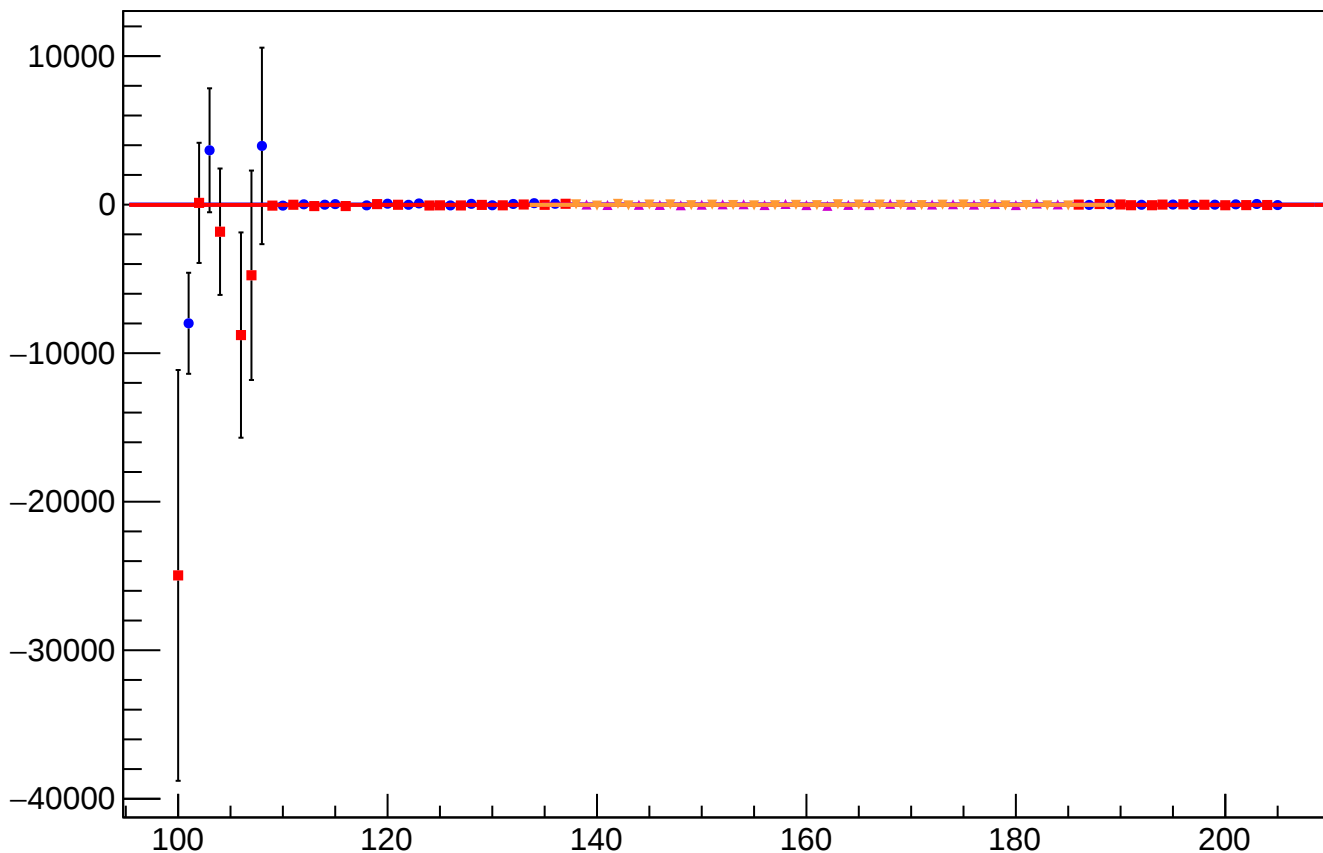
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 187.502 $\pm$ 0.025 χ^2 /NDF: 6628289.8/50

All: 183.886 $\pm$ 0.018 χ^2 /NDF: 13439512.9/10

- sign 180.472 $\pm$ 0.025 χ^2 /NDF: 6771421.7/52

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 4.085 ± 8.131 χ^2/NDF : 27.2/25

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -16.978 ± 7.909 χ^2/NDF : 24.8/29

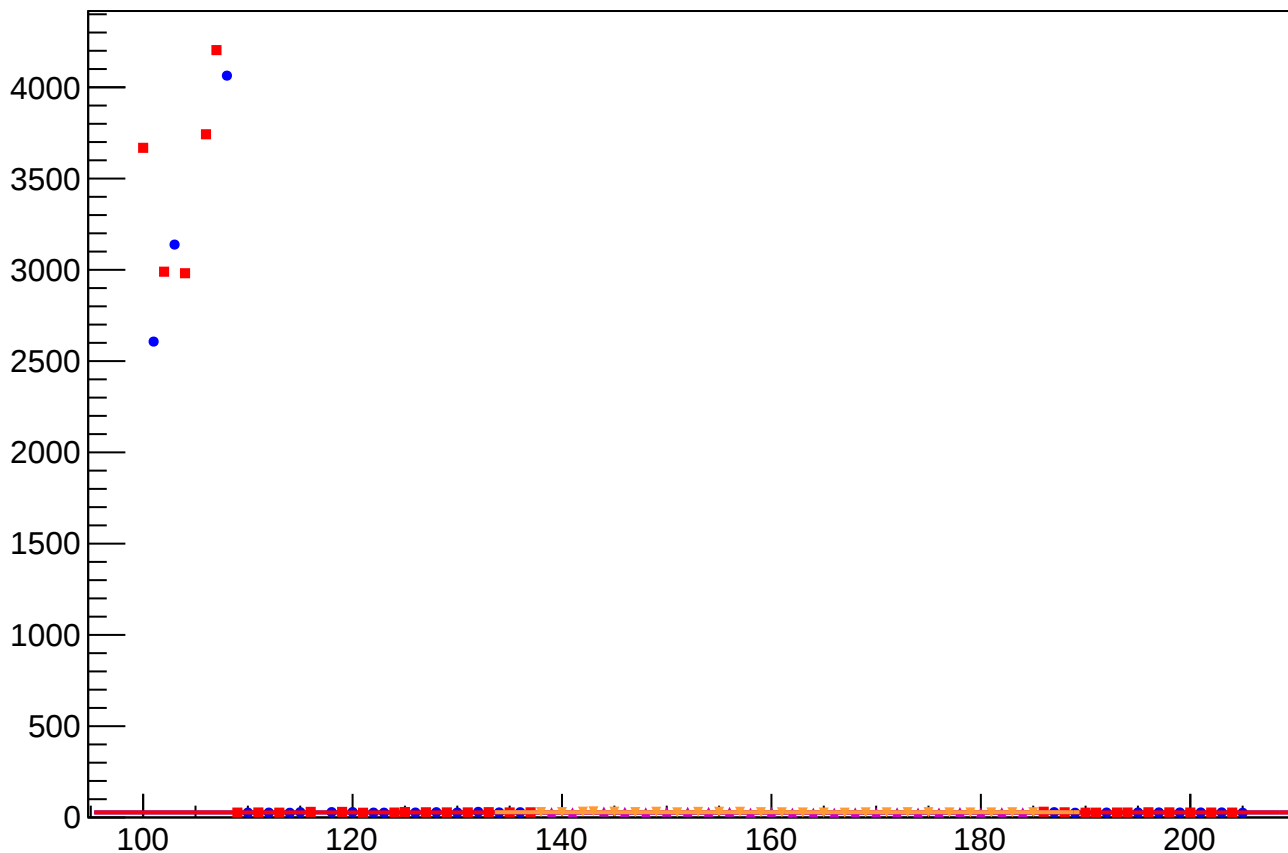
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -7.254 ± 5.182 χ^2/NDF : 48.0/50

All: -7.102 ± 3.672 χ^2/NDF : 102.0/103

- sign -6.950 ± 5.203 χ^2/NDF : 54.0/52

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.486 $\pm$ 0.006 χ^2 /NDF: 3045571.6/25

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.600 $\pm$ 0.006 χ^2 /NDF: 3502838.0/29

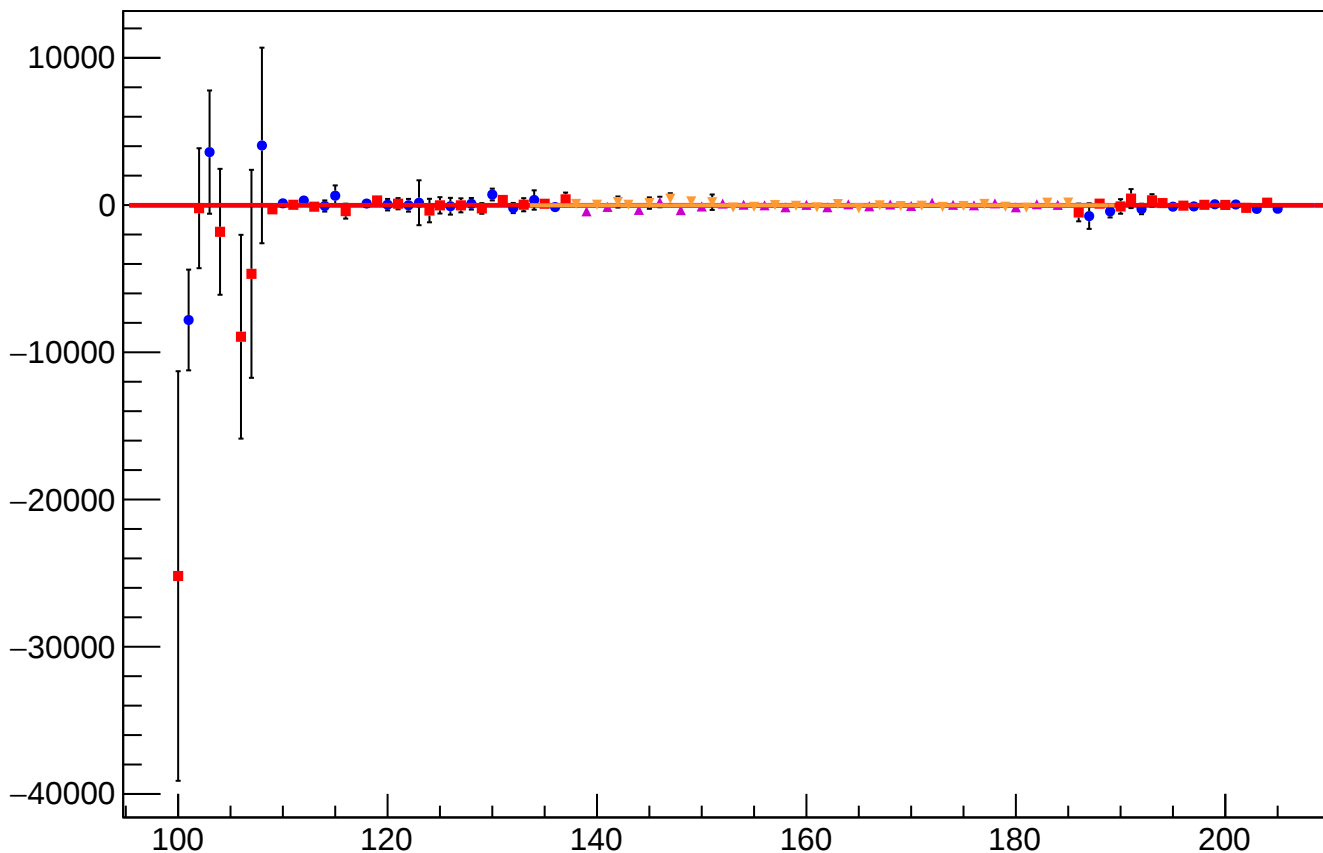
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.274 $\pm$ 0.004 χ^2 /NDF: 3199149.4/50

All: 28.275 $\pm$ 0.003 χ^2 /NDF: 6857158.3/103

- sign 28.276 $\pm$ 0.004 χ^2 /NDF: 3658008.7/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -36.440 ± 53.774 χ^2/NDF : 20.5/25

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 10.533 ± 53.703 χ^2/NDF : 16.0/29

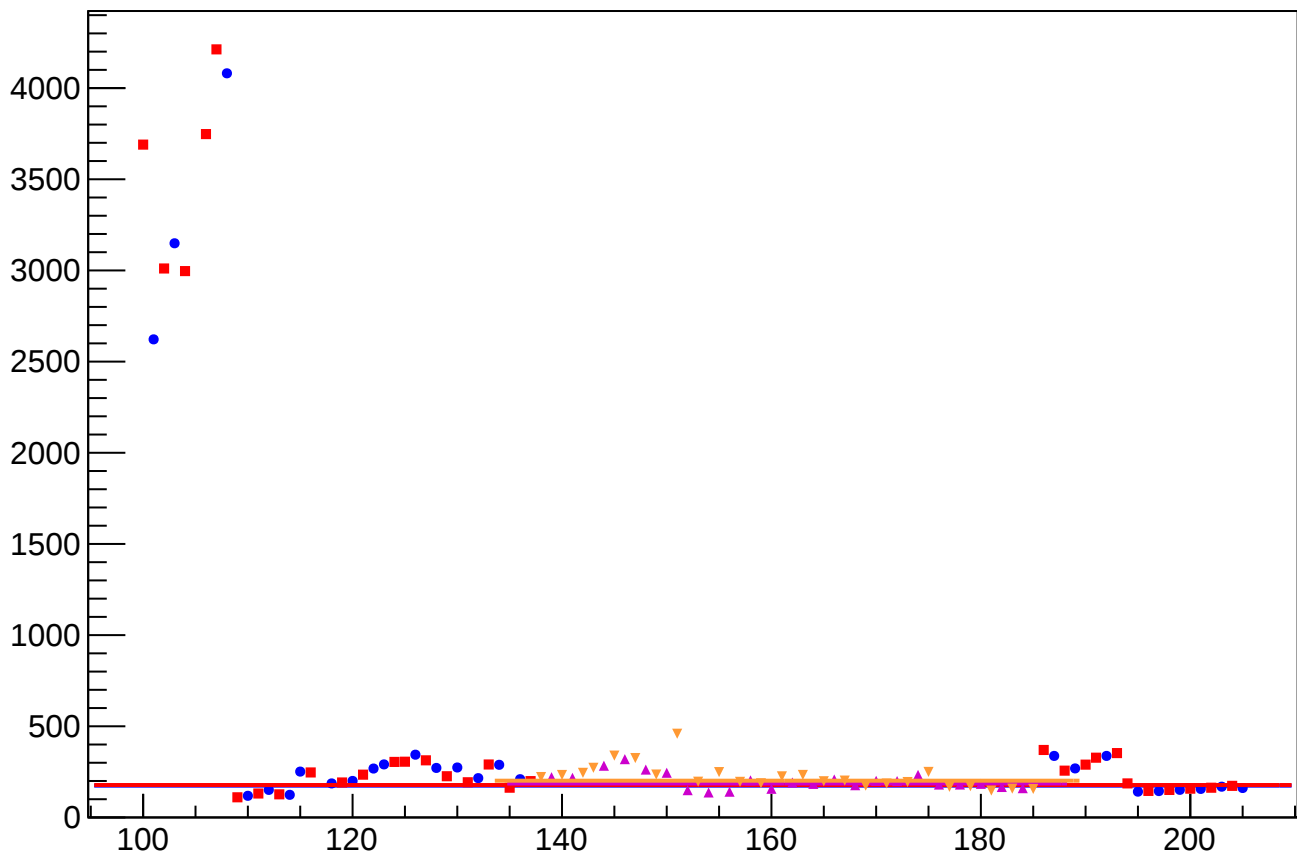
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -24.959 ± 36.092 χ^2/NDF : 28.6/50

All: -18.998 ± 25.160 χ^2/NDF : 53.1/103

- sign -13.363 ± 35.092 χ^2/NDF : 24.5/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 174.565 $\pm$ 0.038 χ^2 /NDF: 4457058.4/25

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF: 1857453.2/24

Right Out: 177.820 $\pm$ 0.038 χ^2 /NDF: 5263515.5/29

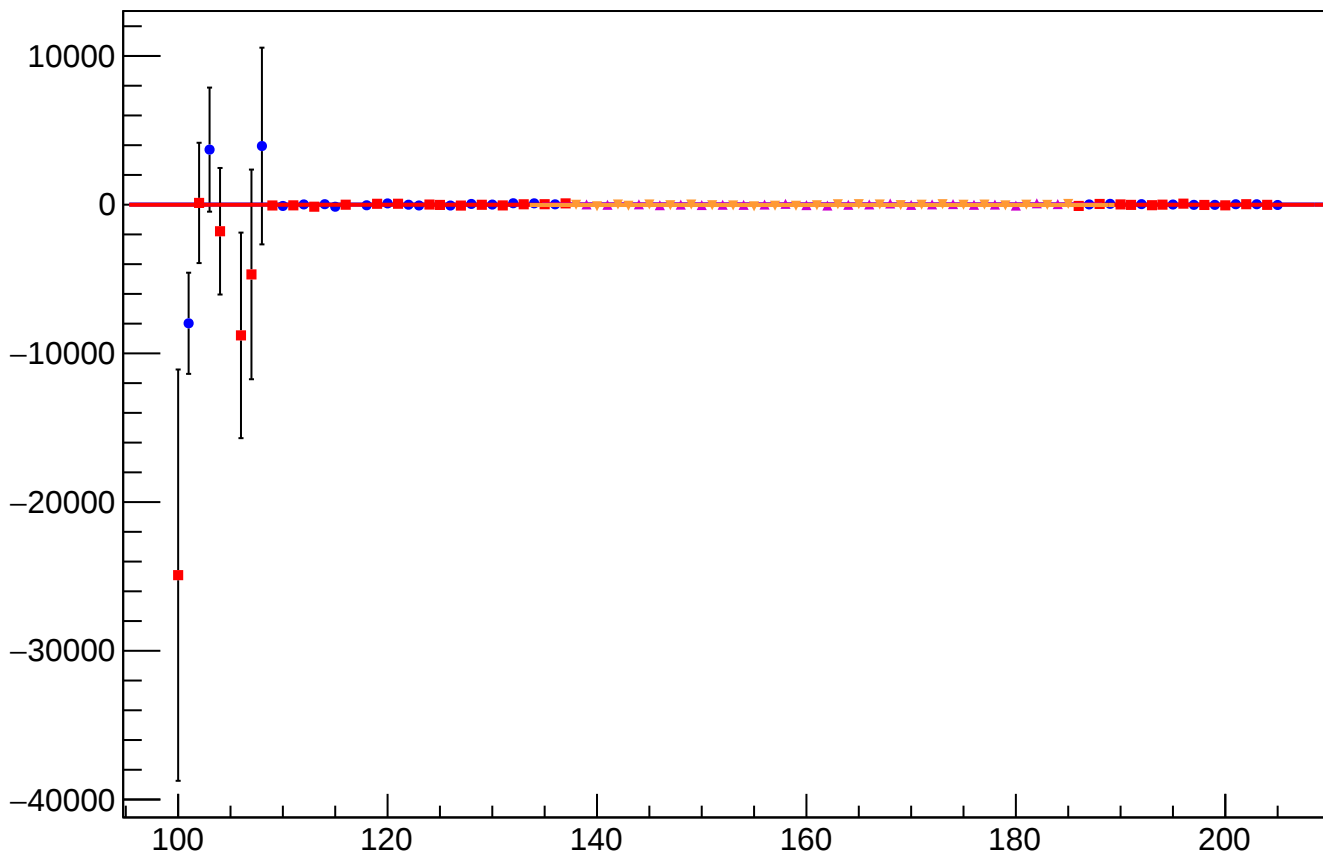
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF: 1391327.2/22

+ sign 189.421 $\pm$ 0.026 χ^2 /NDF: 6592301.8/50

All: 185.899 $\pm$ 0.018 χ^2 /NDF: 13311493.5/10

- sign 182.569 $\pm$ 0.025 χ^2 /NDF: 6682129.4/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 9.885 ± 9.923 χ^2/NDF : 23.6/25

Left Out: -23.360 ± 8.064 χ^2/NDF : 25.8/24

Right Out: -4.792 ± 9.639 χ^2/NDF : 31.9/29

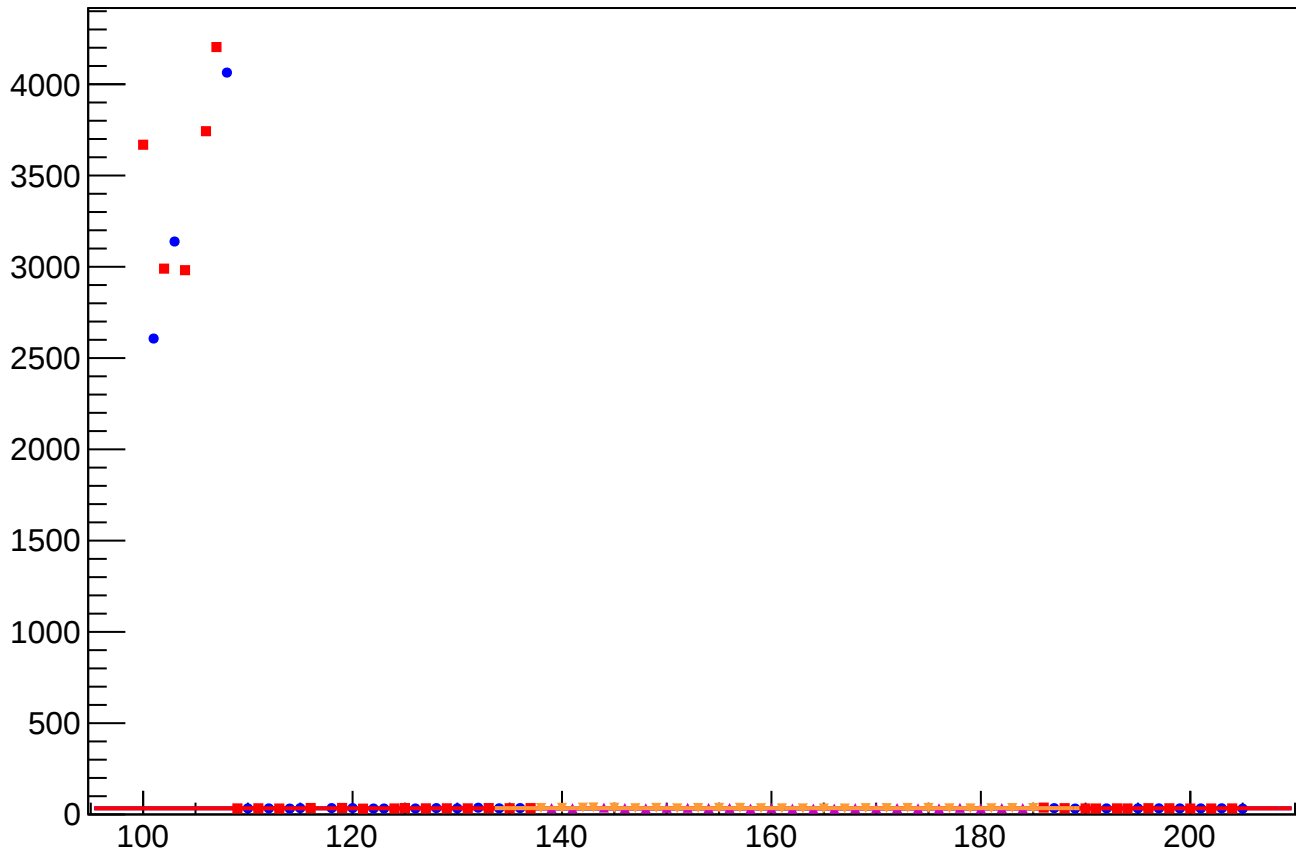
Left In: 6.001 ± 8.309 χ^2/NDF : 21.1/22

+ sign -10.136 ± 6.258 χ^2/NDF : 56.2/50

All: -4.400 ± 4.438 χ^2/NDF : 111.6/103

- sign 1.400 ± 6.293 χ^2/NDF : 53.8/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.567 $\pm$ 0.007 χ^2 /NDF: 3017570.8/25

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.685 $\pm$ 0.007 χ^2 /NDF: 3466395.0/29

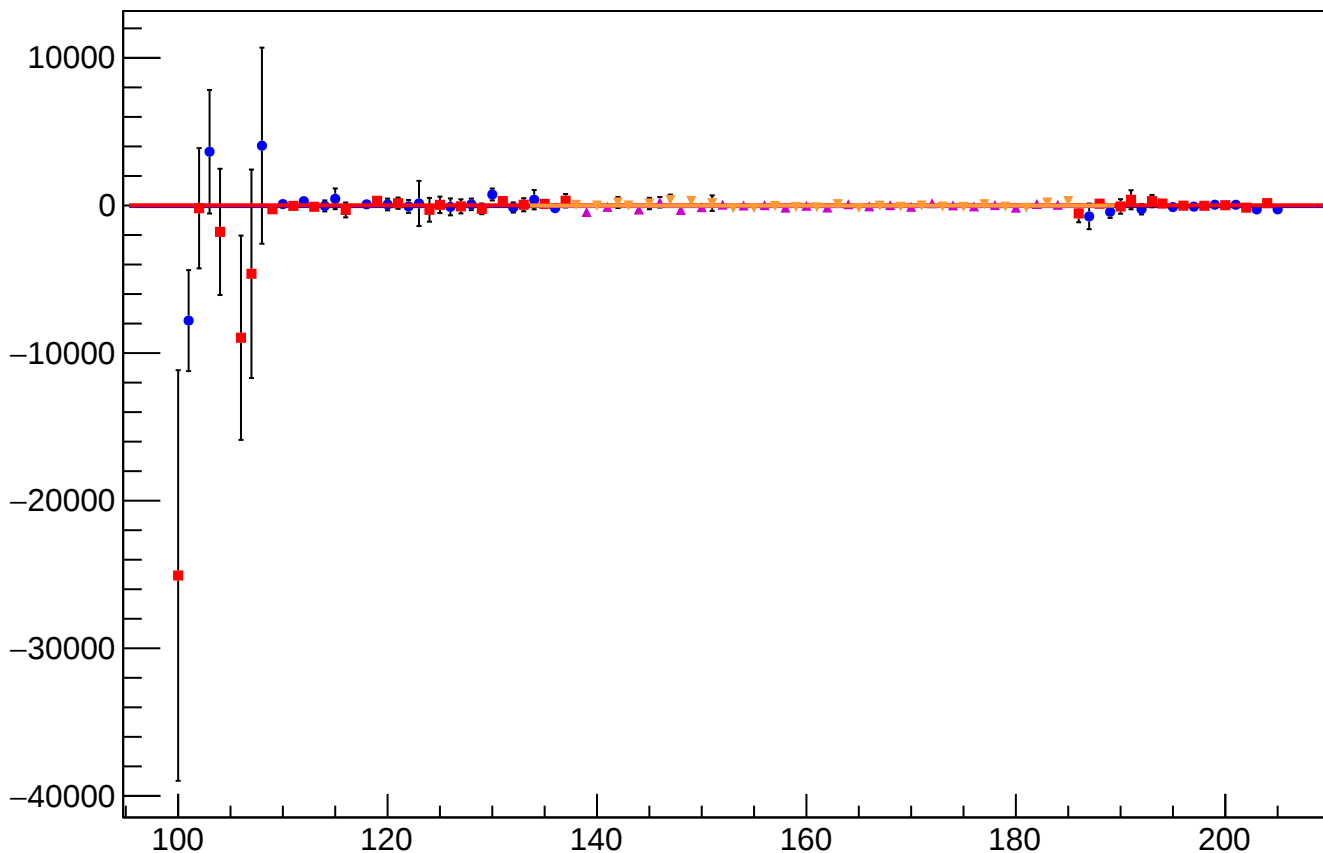
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.198 $\pm$ 0.004 χ^2 /NDF: 3088935.3/50

All: 34.228 $\pm$ 0.003 χ^2 /NDF: 6628079.4/103

- sign 34.259 $\pm$ 0.004 χ^2 /NDF: 3539049.1/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -40.101 ± 53.612 χ^2/NDF : 20.2/25

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 13.361 ± 53.484 χ^2/NDF : 14.3/29

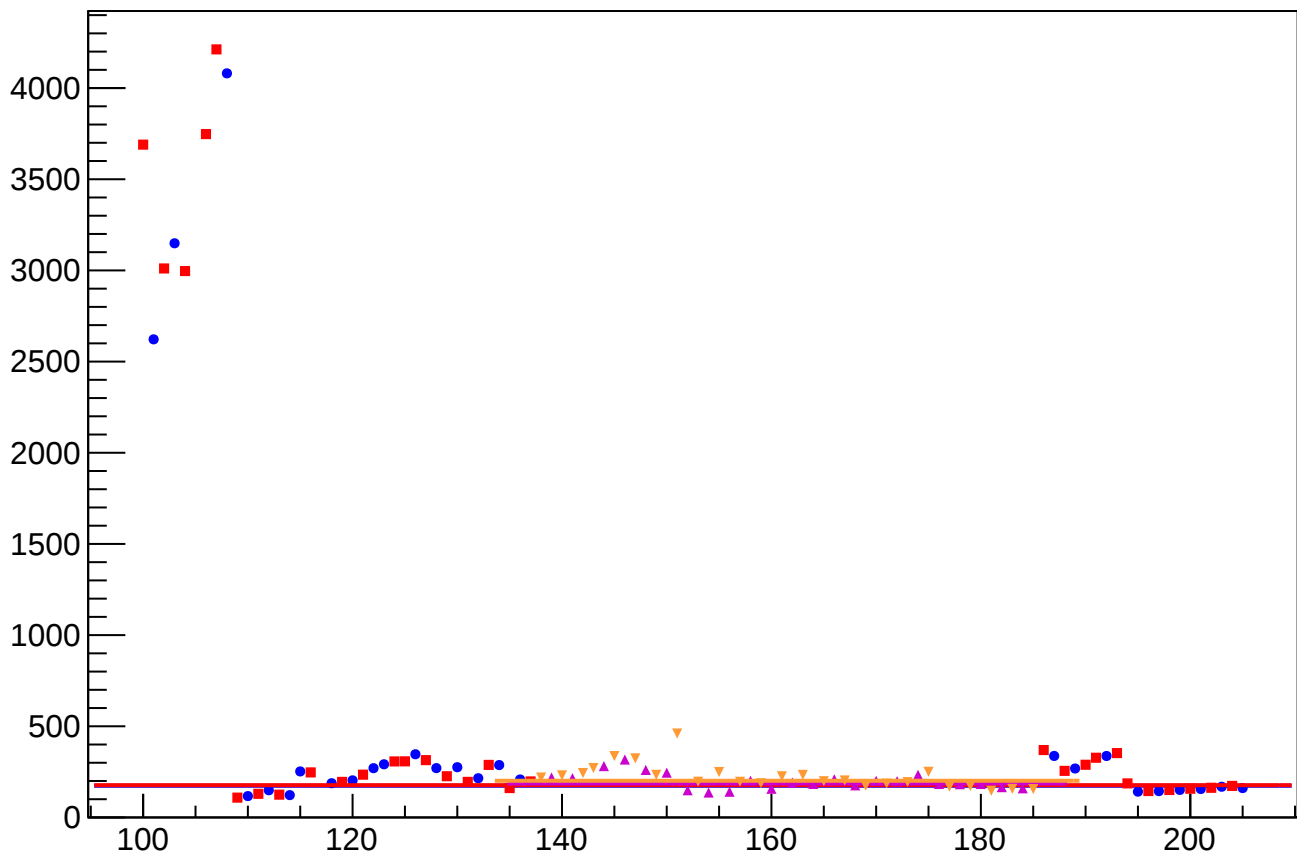
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -22.988 ± 36.013 χ^2/NDF : 29.0/50

All: -18.257 ± 25.101 χ^2/NDF : 51.2/103

- sign -13.786 ± 35.004 χ^2/NDF : 22.2/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.930 $\pm$ 0.038 χ^2 /NDF: 4486420.9/25

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 176.886 $\pm$ 0.038 χ^2 /NDF: 5313784.4/29

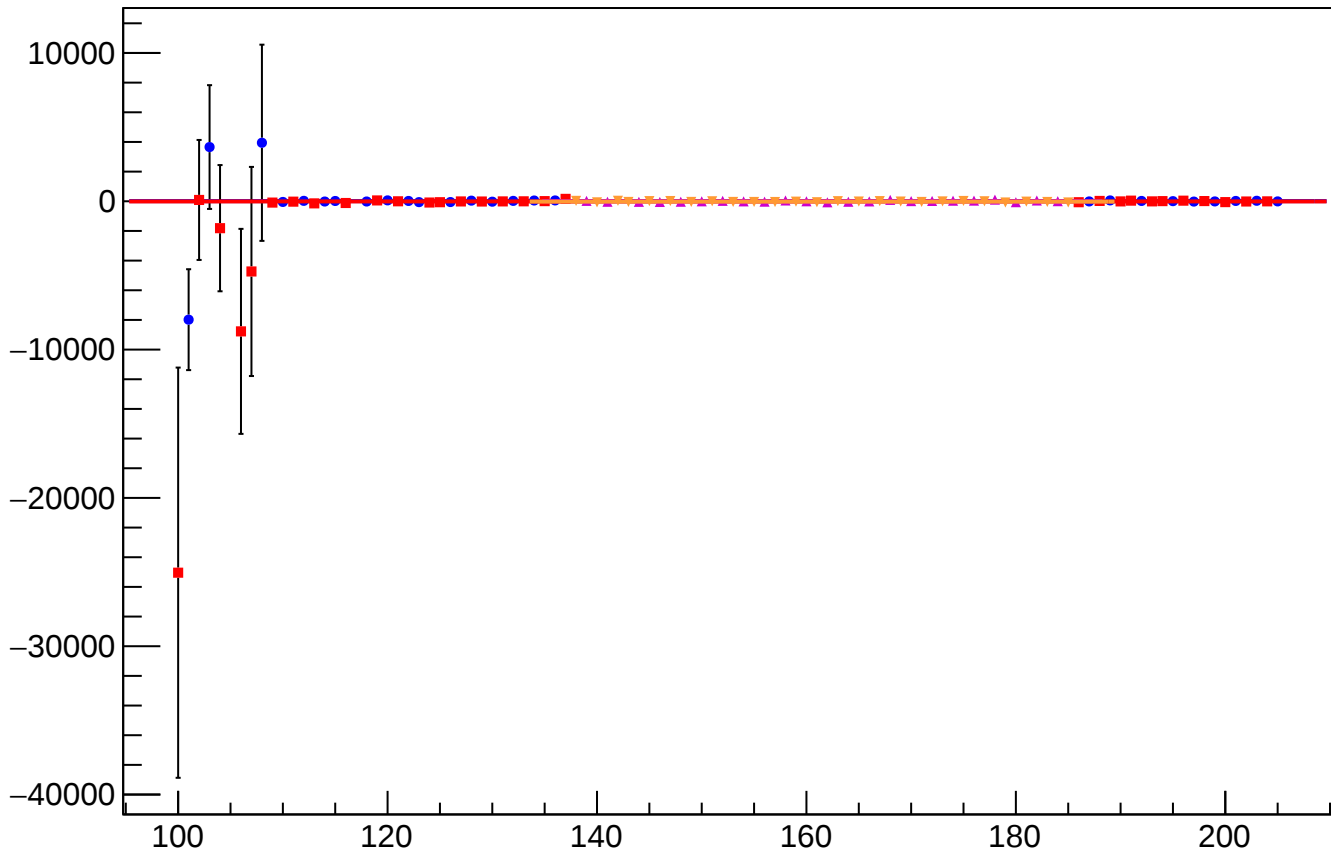
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 188.948 $\pm$ 0.025 χ^2 /NDF: 6623521.8/50

All: 185.382 $\pm$ 0.018 χ^2 /NDF: 13389356.1/10

- sign 182.013 $\pm$ 0.025 χ^2 /NDF: 6727697.6/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 11.393+/-8.986 χ^2 /NDF: 18.1/25

Left Out: -22.879+/-7.340 χ^2 /NDF:18.8/24

Right Out: -9.413+/-8.735 χ^2 /NDF: 36.6/29

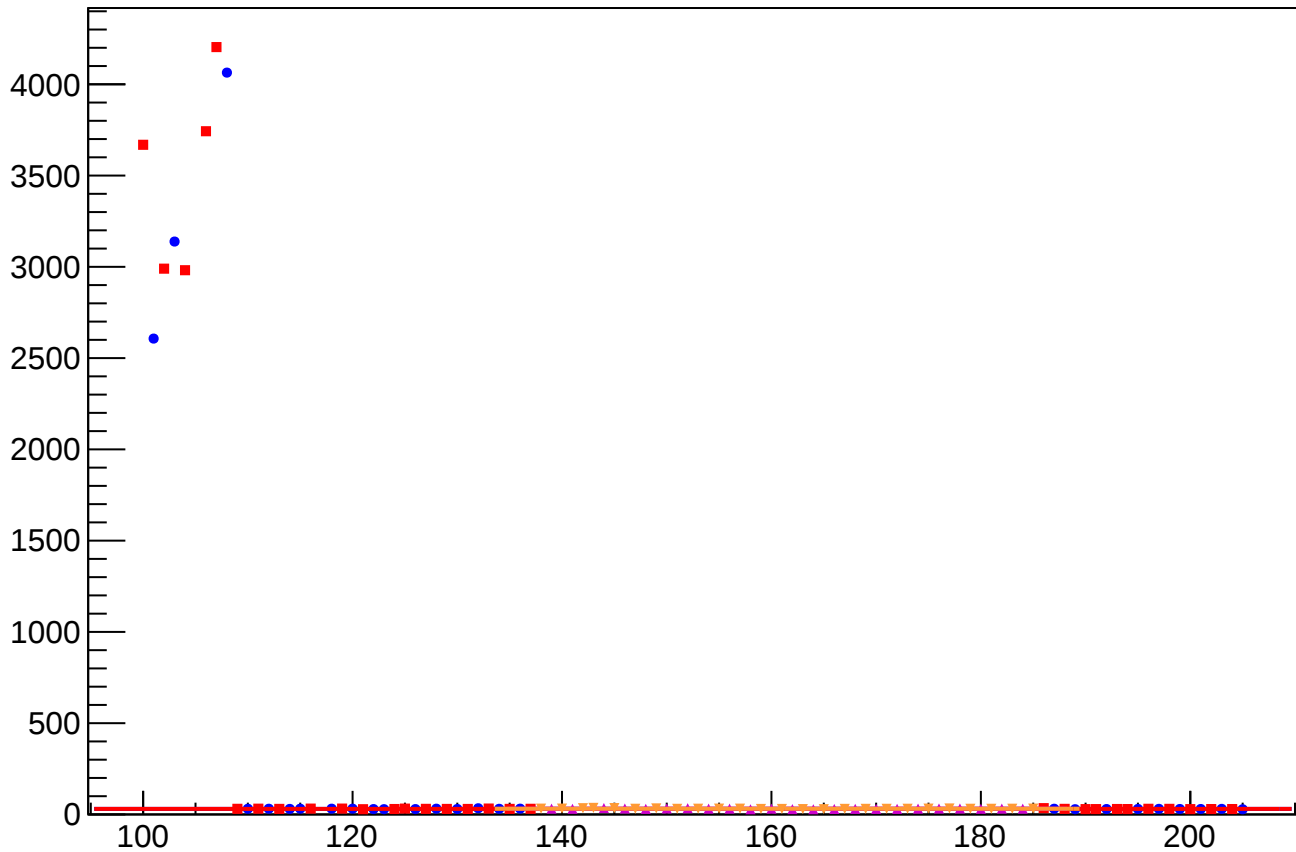
Left In: 5.943+/-7.550 χ^2 /NDF:38.3/22

+ sign -9.162+/-5.685 χ^2 /NDF: 45.6/50

All: -4.913+/-4.029 χ^2 /NDF: 123.4/103

- sign -0.623+/-5.712 χ^2 /NDF: 76.7/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.386 $\pm$ 0.006 χ^2 /NDF: 3034551.0/25

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.501 $\pm$ 0.006 χ^2 /NDF: 3482160.7/29

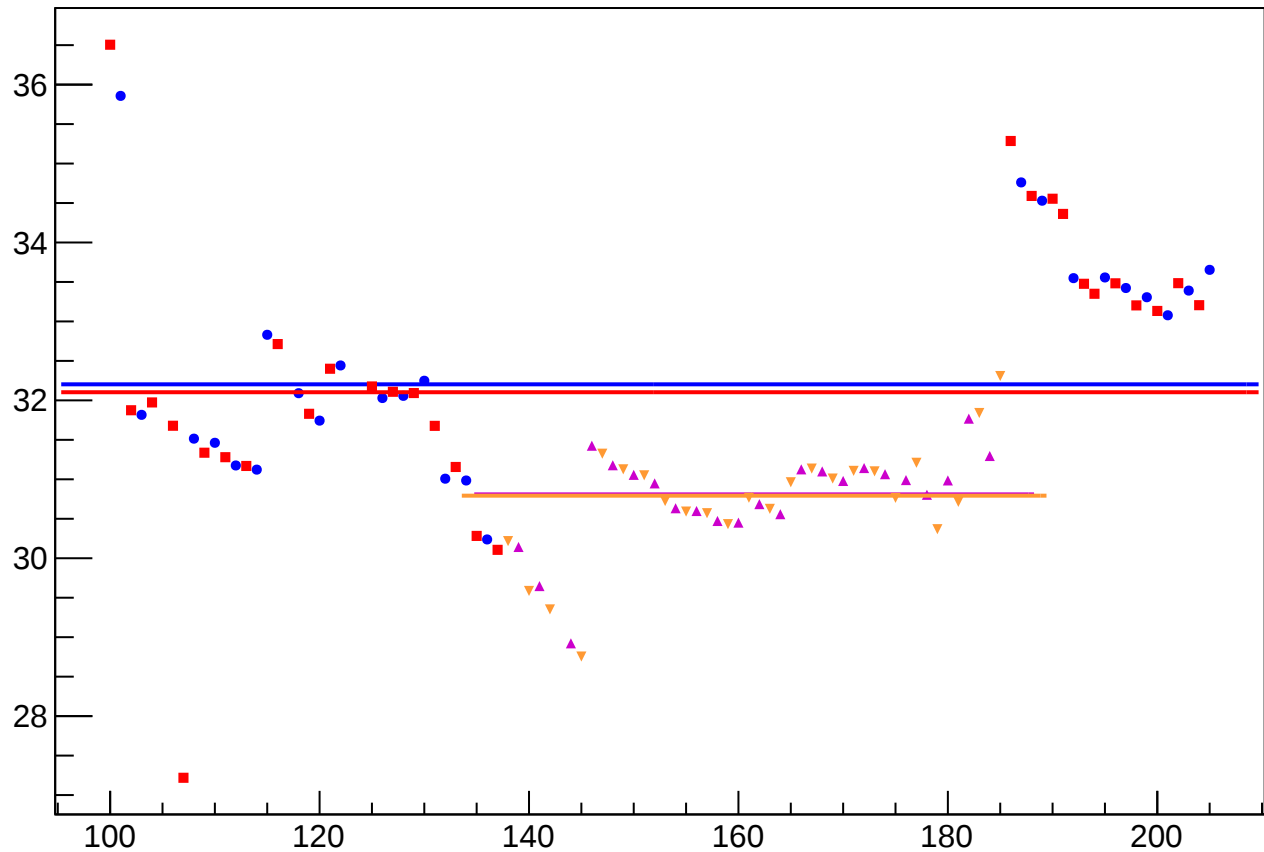
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.043 $\pm$ 0.004 χ^2 /NDF: 3134820.7/50

All: 31.054 $\pm$ 0.003 χ^2 /NDF: 6719488.8/103

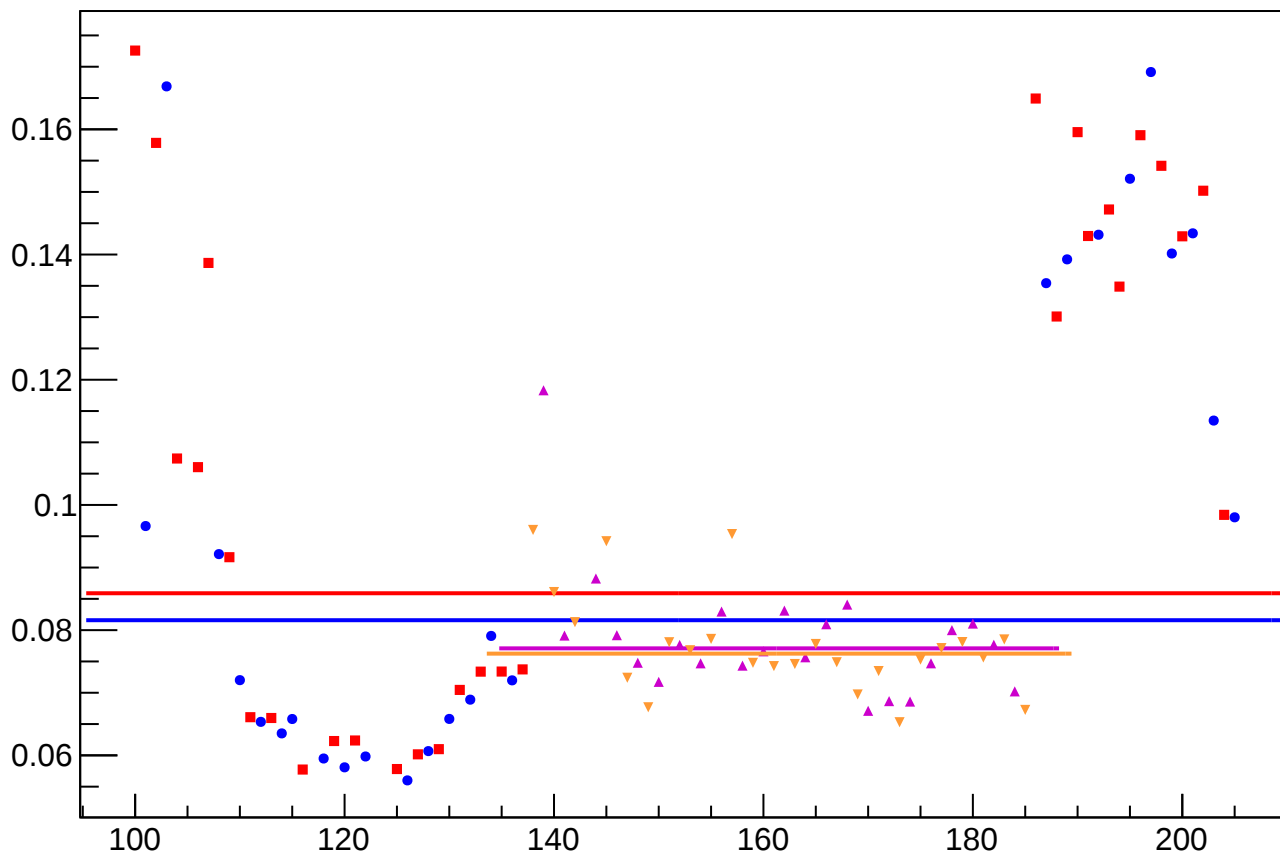
- sign 31.064 $\pm$ 0.004 χ^2 /NDF: 3584655.0/52

yield_usl_mean vs Slug



Right In: 32.203 $\pm$ 0.000	χ^2 /NDF: 2400595222.1/24	+ sign 31.309 $\pm$ 0.000	χ^2 /NDF: 5416169685.6/48
Left Out: 30.793 $\pm$ 0.000	χ^2 /NDF: 1007261340.7/23	All: 31.297 $\pm$ 0.000	χ^2 /NDF: 9997090012.9/1
Right Out: 32.103 $\pm$ 0.000	χ^2 /NDF: 2118101008.1/28	- sign 31.285 $\pm$ 0.000	χ^2 /NDF: 4579683097.4/51
Left In: 30.809 $\pm$ 0.000	χ^2 /NDF: 821961762.3/22		

yield_usl_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 3068612.5/24

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:277876.5/23

Right Out: 0.086 $\pm$ 0.000 χ^2 /NDF: 3550156.7/28

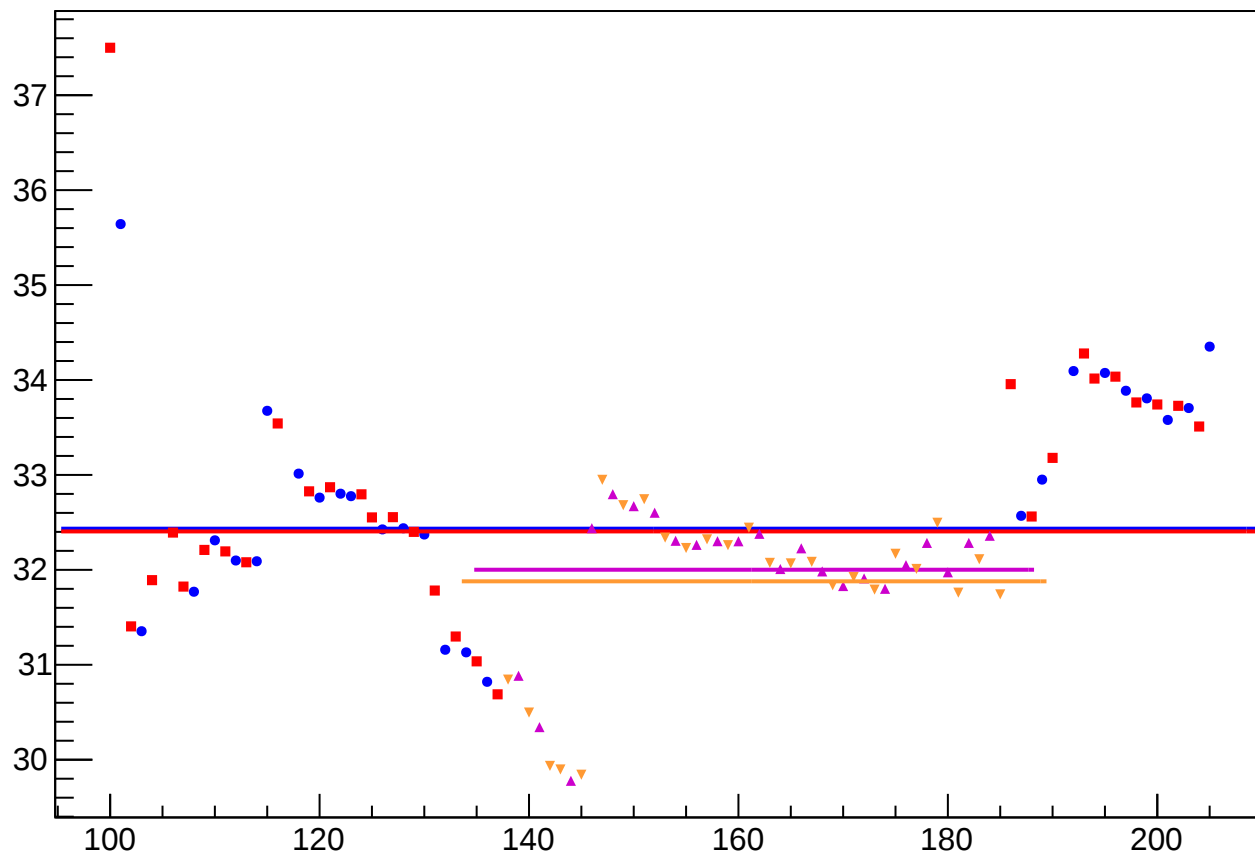
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.078 $\pm$ 0.000 χ^2 /NDF: 3404038.1/48

All: 0.079 $\pm$ 0.000 χ^2 /NDF: 7451152.3/100

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 4027809.9/51

yield_usr_mean vs Slug



Right In: 32.434+/-0.000 χ^2 /NDF: 1328655740.7/25

Left Out: 31.879+/-0.000 χ^2 /NDF: 1976281391.1/24

Right Out: 32.405+/-0.000 χ^2 /NDF: 775015602.2/28

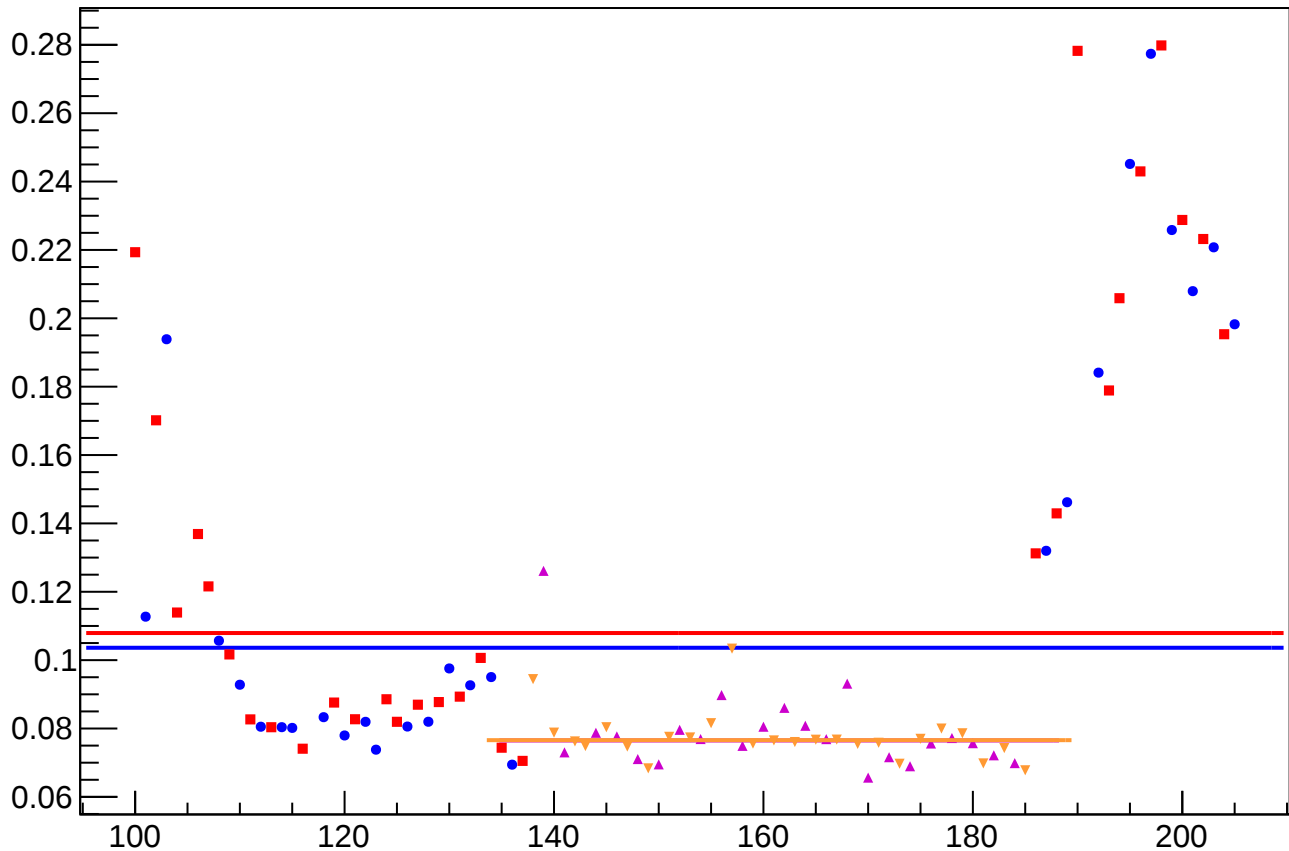
Left In: 32.001+/-0.000 χ^2 /NDF: 1411110671.9/22

+ sign 32.014+/-0.000 χ^2 /NDF: 3520520930.3/50

All: 32.058+/-0.000 χ^2 /NDF: 5835447325.1/1

- sign 32.104+/-0.000 χ^2 /NDF: 2299884904.8/51

yield_usr_rms vs Slug



Right In: 0.104 $\pm$ 0.000 χ^2 /NDF: 4186167.3/25

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.108 $\pm$ 0.000 χ^2 /NDF: 4056878.4/28

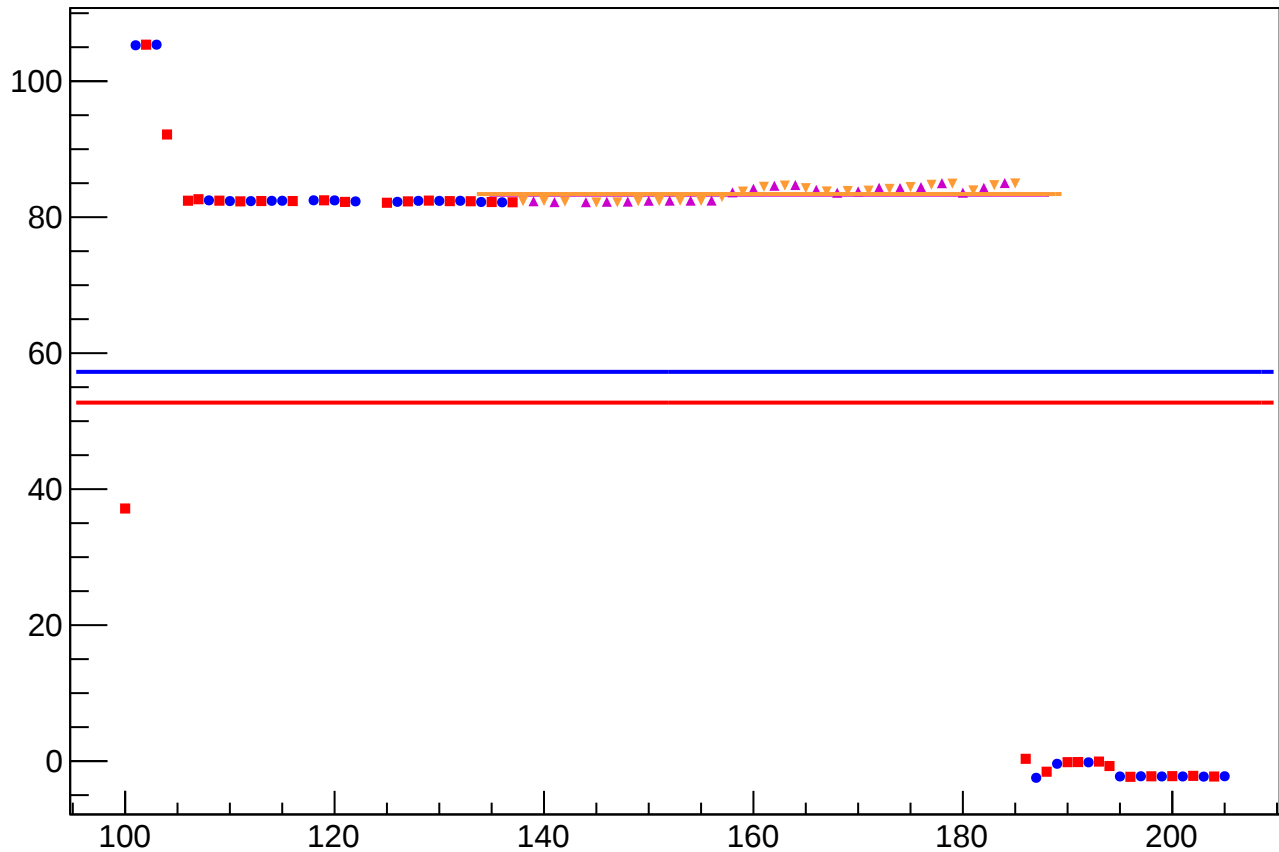
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.083 $\pm$ 0.000 χ^2 /NDF: 5420476.3/50

All: 0.084 $\pm$ 0.000 χ^2 /NDF: 11296628.6/102

- sign 0.084 $\pm$ 0.000 χ^2 /NDF: 5869712.0/51

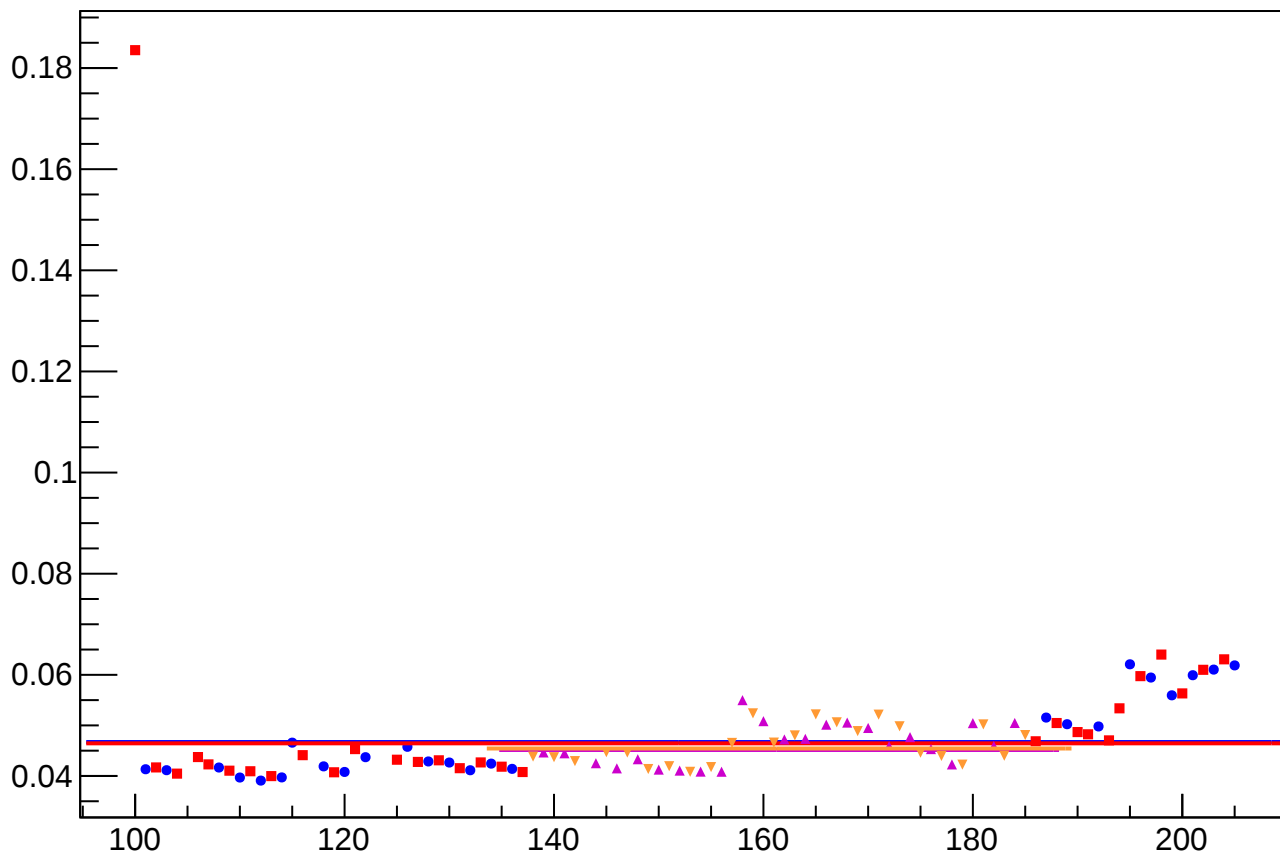
yield_dsl_mean vs Slug



Right In: 57.251 $\pm$ 0.000 χ^2 /NDF: 9973917414782.0/24
 Left Out: 83.402 $\pm$ 0.000 χ^2 /NDF: 8756634444.3/23
 Right Out: 52.728 $\pm$ 0.000 χ^2 /NDF: 10972487161792.2/28
 Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22

+ sign 72.832 $\pm$ 0.000 χ^2 /NDF: 12273316608202.1
 All: 71.503 $\pm$ 0.000 χ^2 /NDF: 2662906656545
 - sign 70.232 $\pm$ 0.000 χ^2 /NDF: 14307711847684.1

yield_dsl_rms vs Slug



Right In: 0.047+/-0.000 χ^2/NDF : 675380.7/24

Left Out: 0.045+/-0.000 χ^2/NDF : 206685.9/23

Right Out: 0.046+/-0.000 χ^2/NDF : 680316.3/28

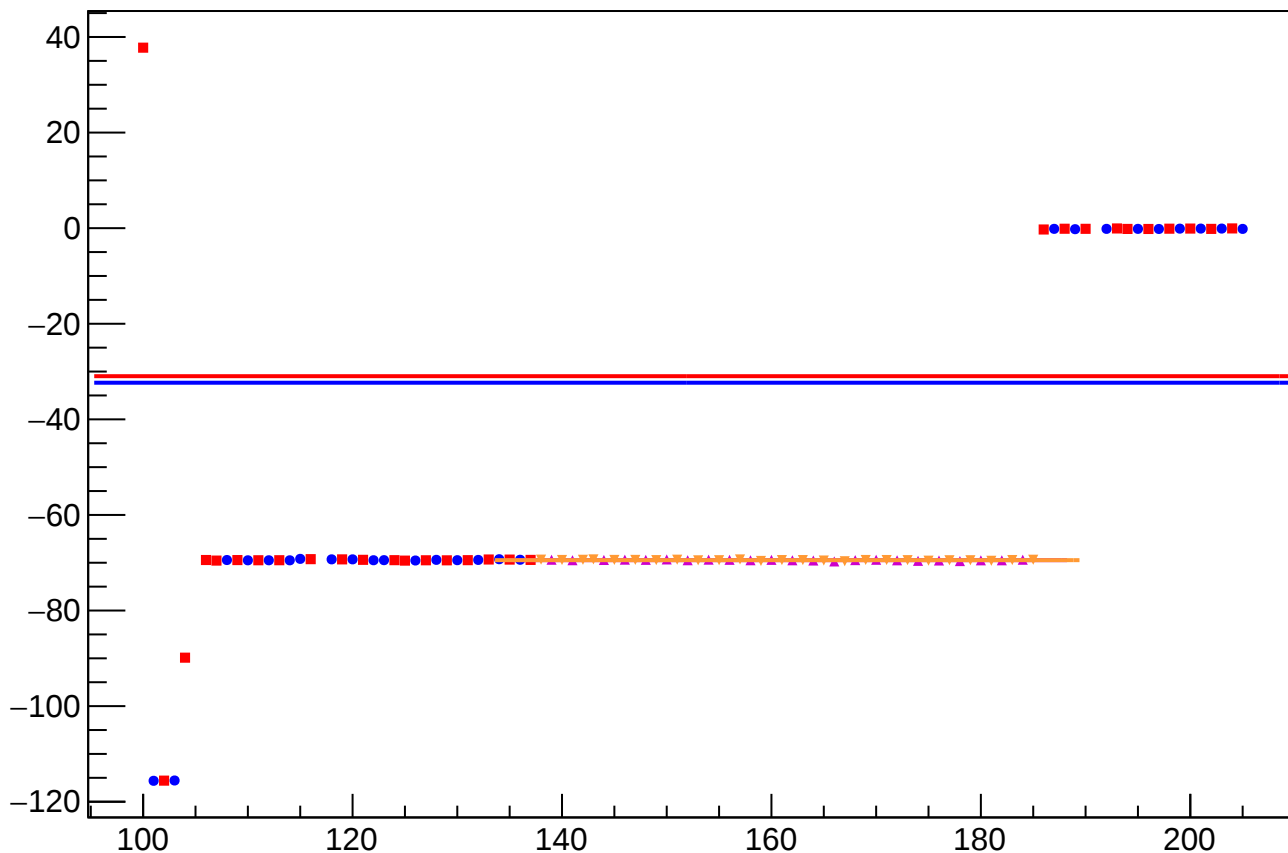
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.046+/-0.000 χ^2/NDF : 893017.5/48

All: 0.046+/-0.000 χ^2/NDF : 1829287.4/100

- sign 0.046+/-0.000 χ^2/NDF : 935423.5/51

yield_dsr_mean vs Slug



Right In: -32.336+/-0.000 χ^2/NDF : 7140412491236.6/25

Left Out: -69.461+/-0.000 χ^2/NDF : 49572401.9/24

Right Out: -30.970+/-0.000 χ^2/NDF : 6990030254211.6/28

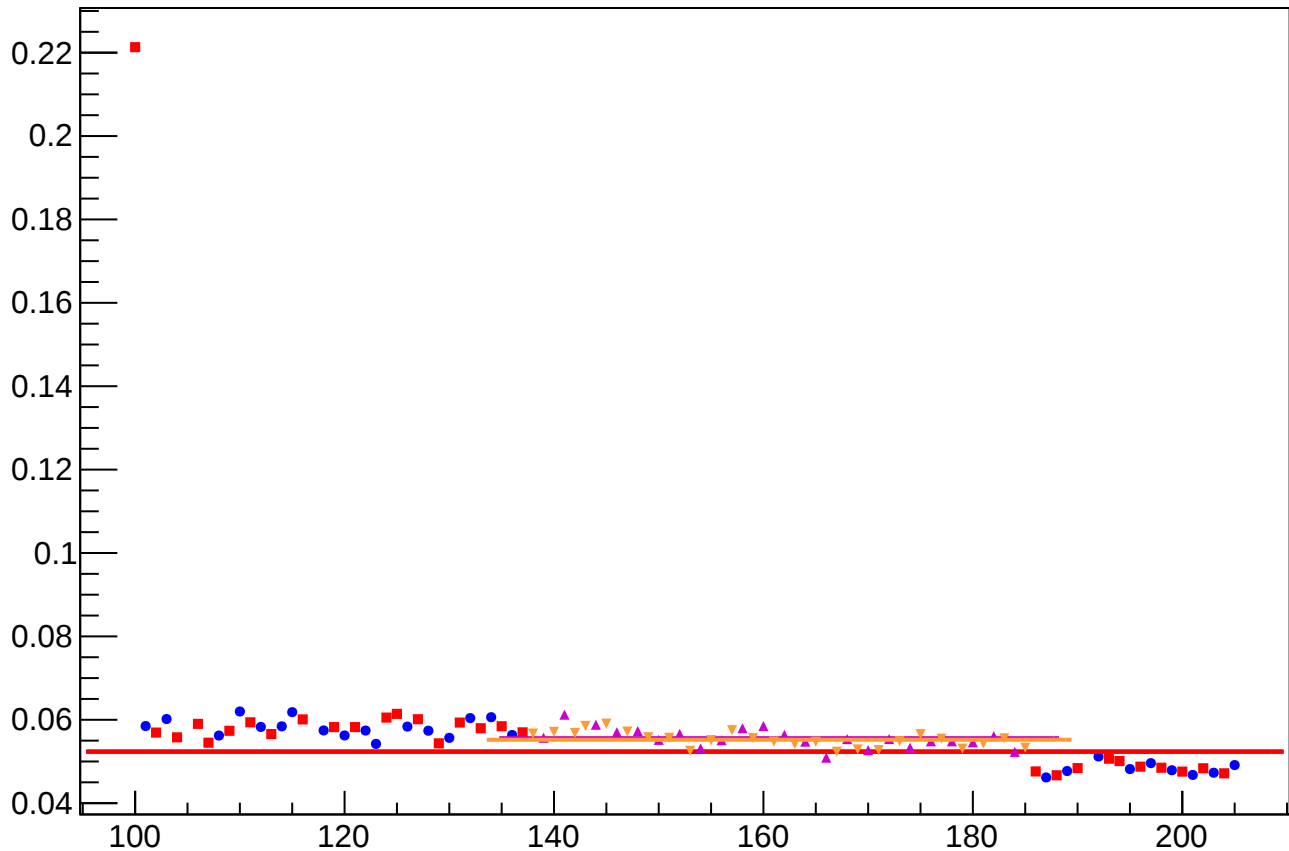
Left In: -69.458+/-0.000 χ^2/NDF : 52798704.3/22

+ sign -53.166+/-0.000 χ^2/NDF : 10667565697792.5

All: -52.180+/-0.000 χ^2/NDF : 215094150570

- sign -51.192+/-0.000 χ^2/NDF : 10821617858683.7

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 225400.9/25

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 313760.1/28

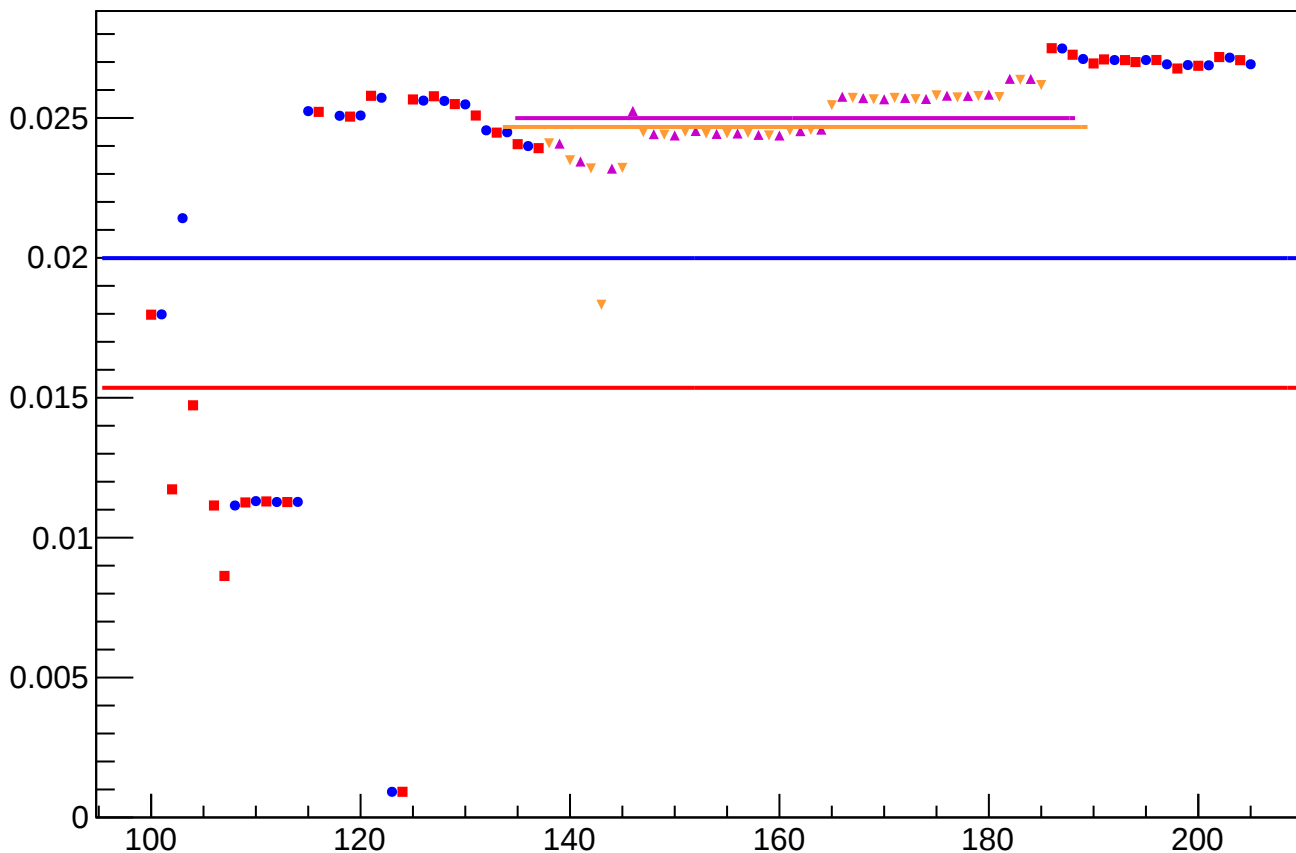
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 304118.4/50

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 726456.9/102

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 422318.4/51

yield_atl1_mean vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2/NDF : 178294484077.2/25

Left Out: 0.025 $\pm$ 0.000 χ^2/NDF :9641065555.8/24

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 386506079505.6/29

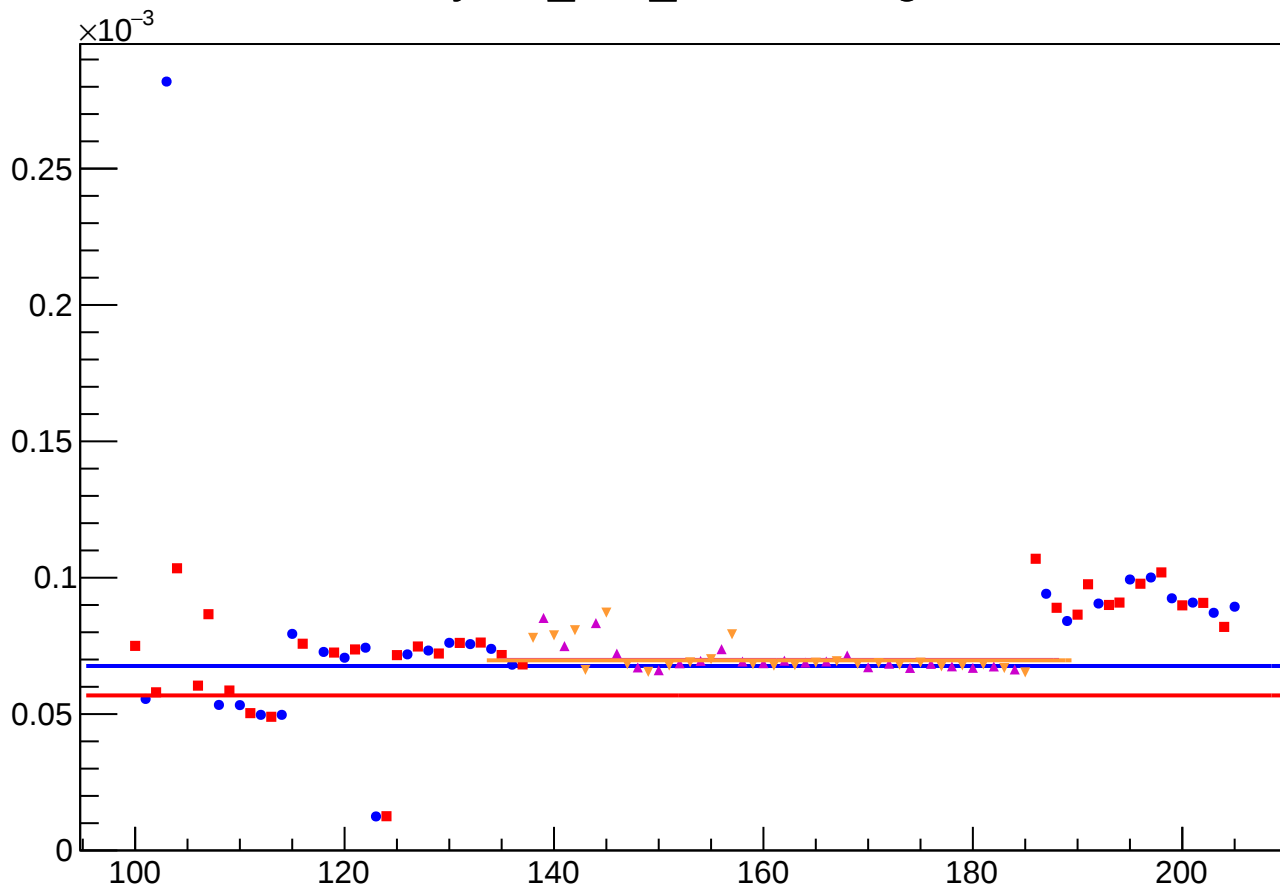
Left In: 0.025 $\pm$ 0.000 χ^2/NDF :2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2/NDF : 220097900627.1/50

All: 0.022 $\pm$ 0.000 χ^2/NDF : 784615496740.7

- sign 0.020 $\pm$ 0.000 χ^2/NDF : 545316841775.7/52

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3259531.3/25

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:158125.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6350631.8/29

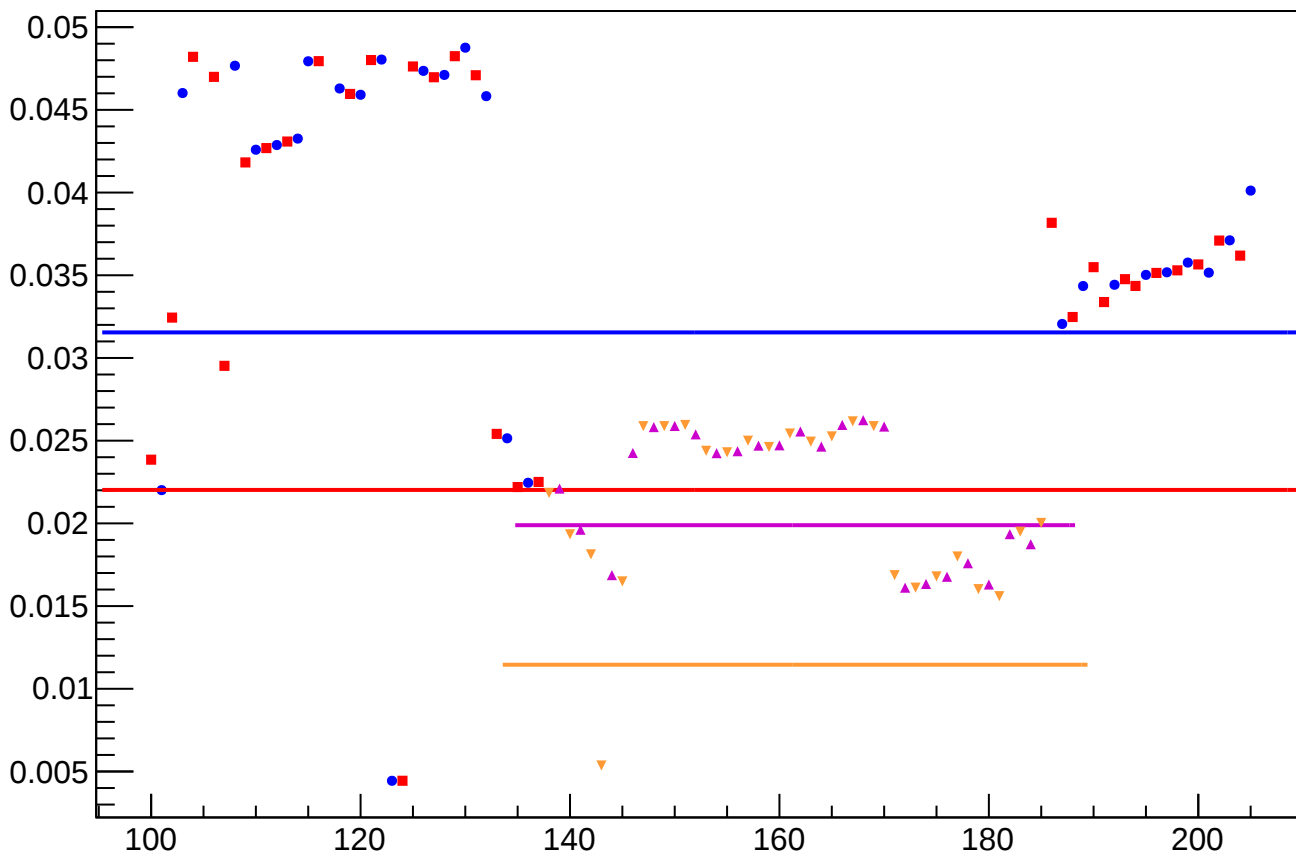
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3430305.8/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10657907.7/103

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7049939.5/52

yield_atl2_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 21409774990.6/25

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 43351152718.3/29

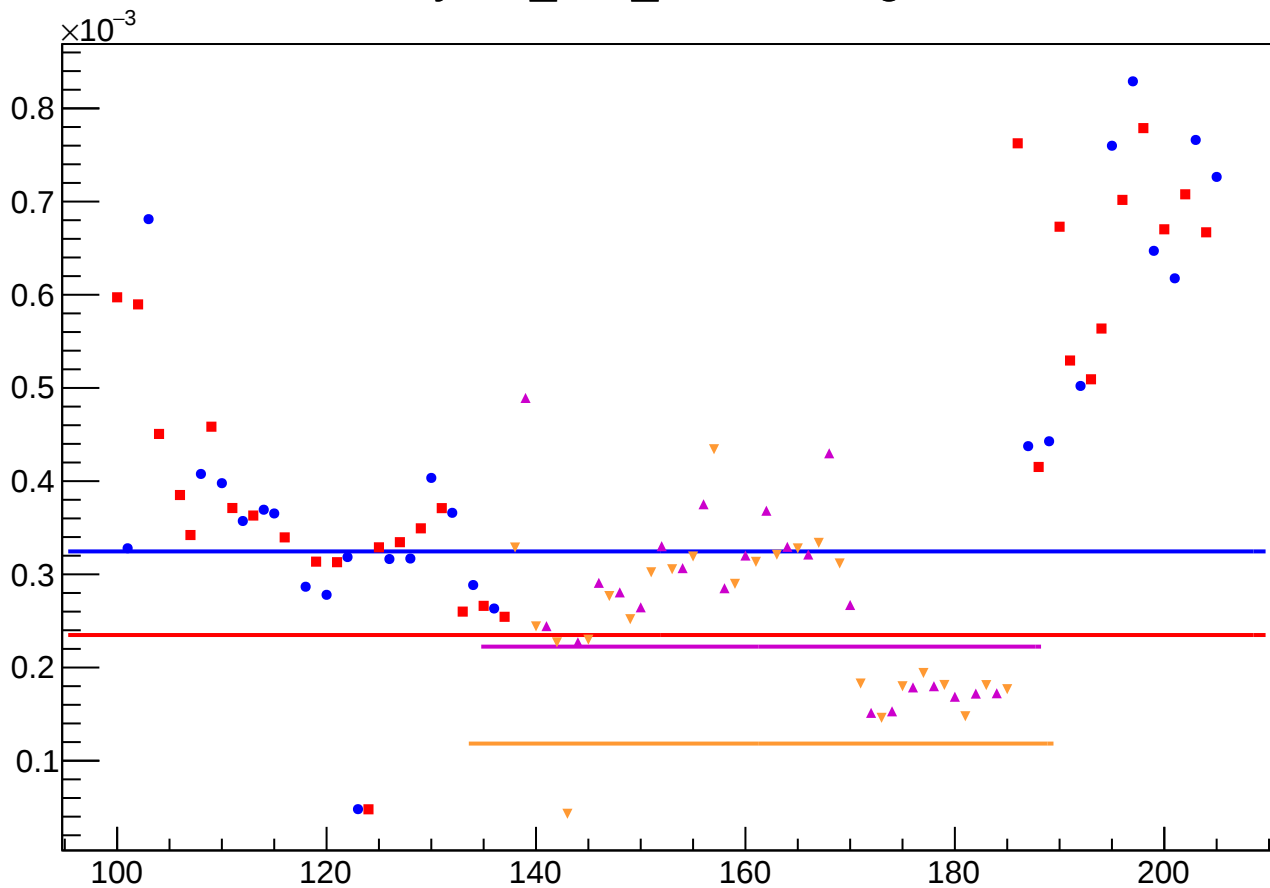
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 92649258593.4/50

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 154425265290.2

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 48232420723.0/52

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 5937157.1/25

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11182008.6/29

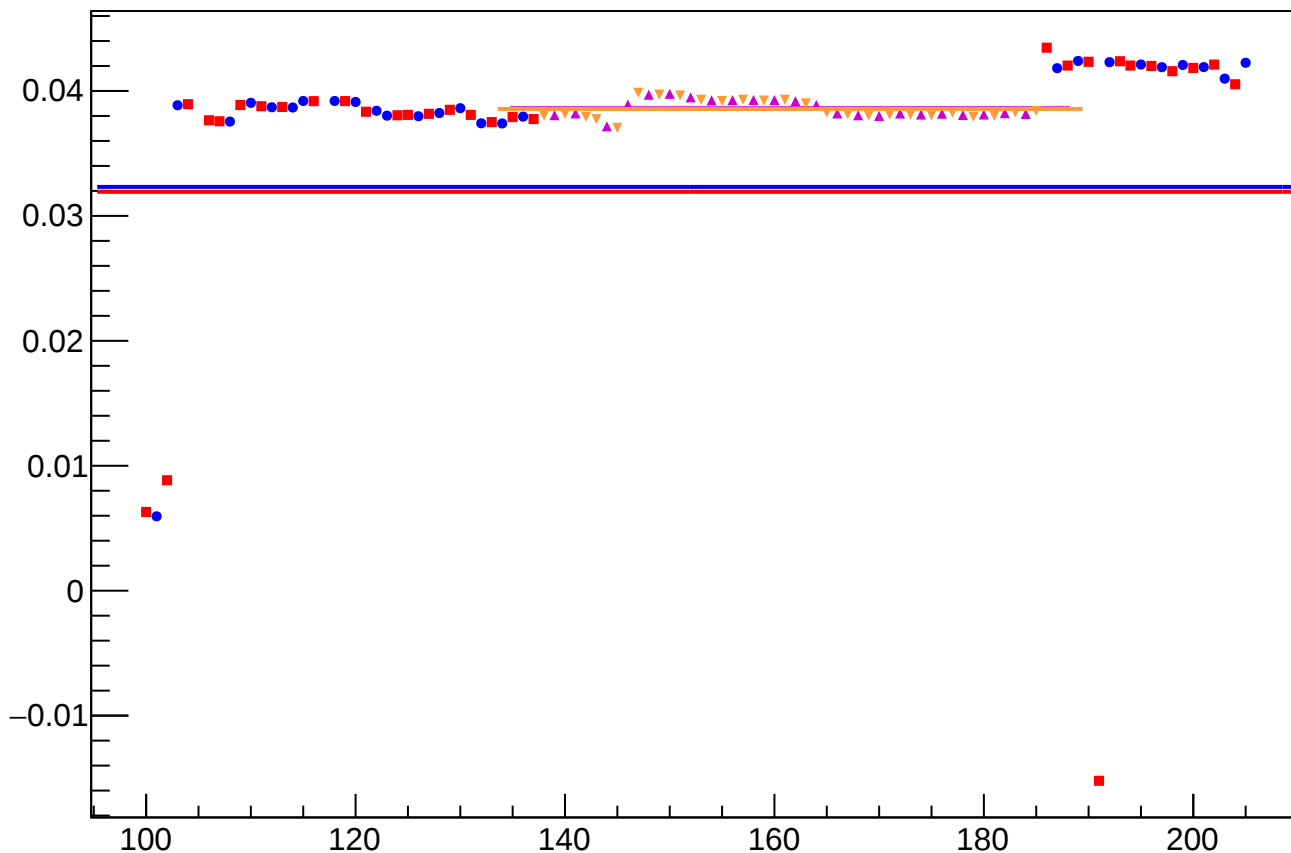
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 26018969.6/50

All: 0.000+/-0.000 χ^2/NDF : 44633771.0/103

- sign 0.000+/-0.000 χ^2/NDF : 14491976.4/52

yield_atr1_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 111567903890.7/25

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF:539468437.3/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 176796450693.9/29

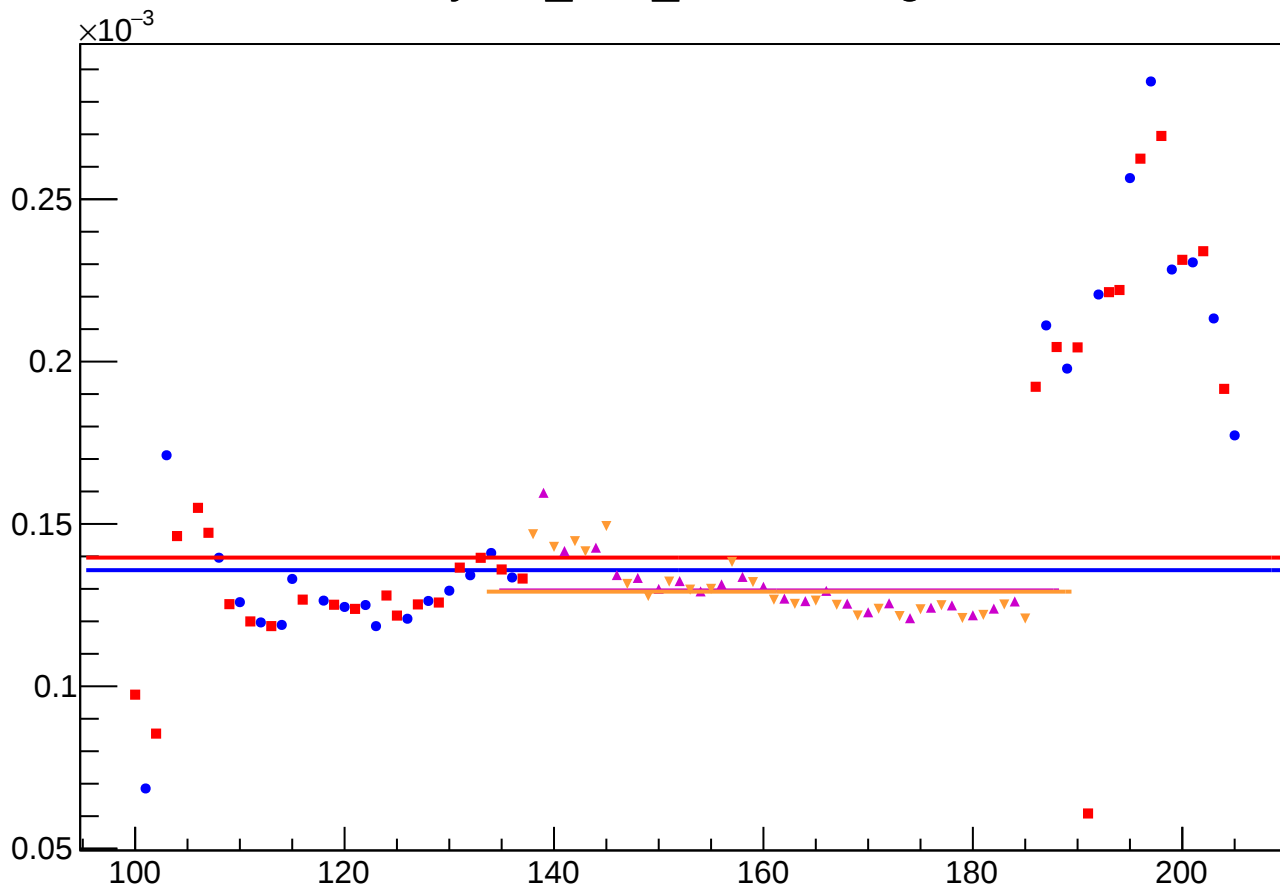
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF:465745982.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 127045615932.5/50

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 321578773420.2

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 194480237994.2/52

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3176252.1/25

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3028985.3/29

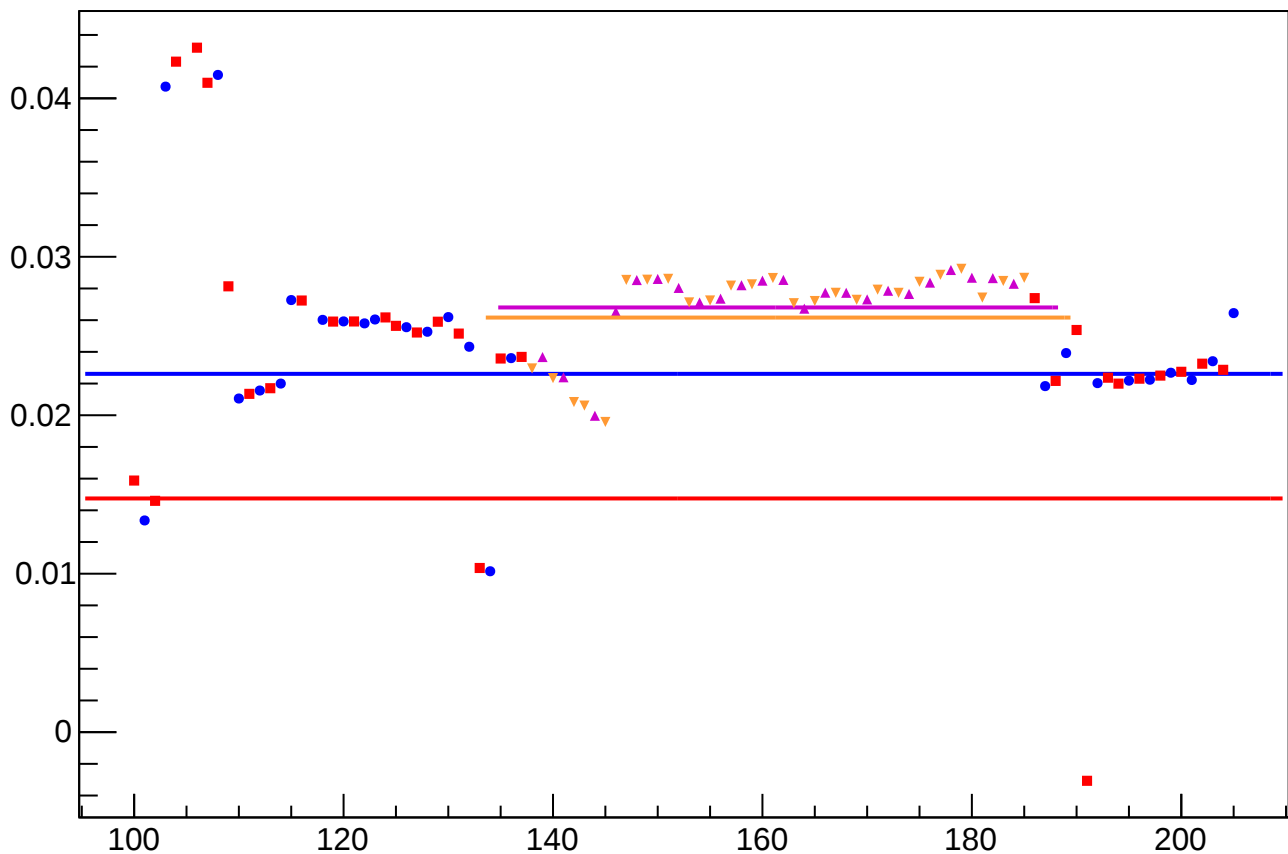
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 3340158.1/50

All: 0.000+/-0.000 χ^2/NDF : 6568225.9/103

- sign 0.000+/-0.000 χ^2/NDF : 3222401.1/52

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4268854720.8/25

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 31063095227.3/29

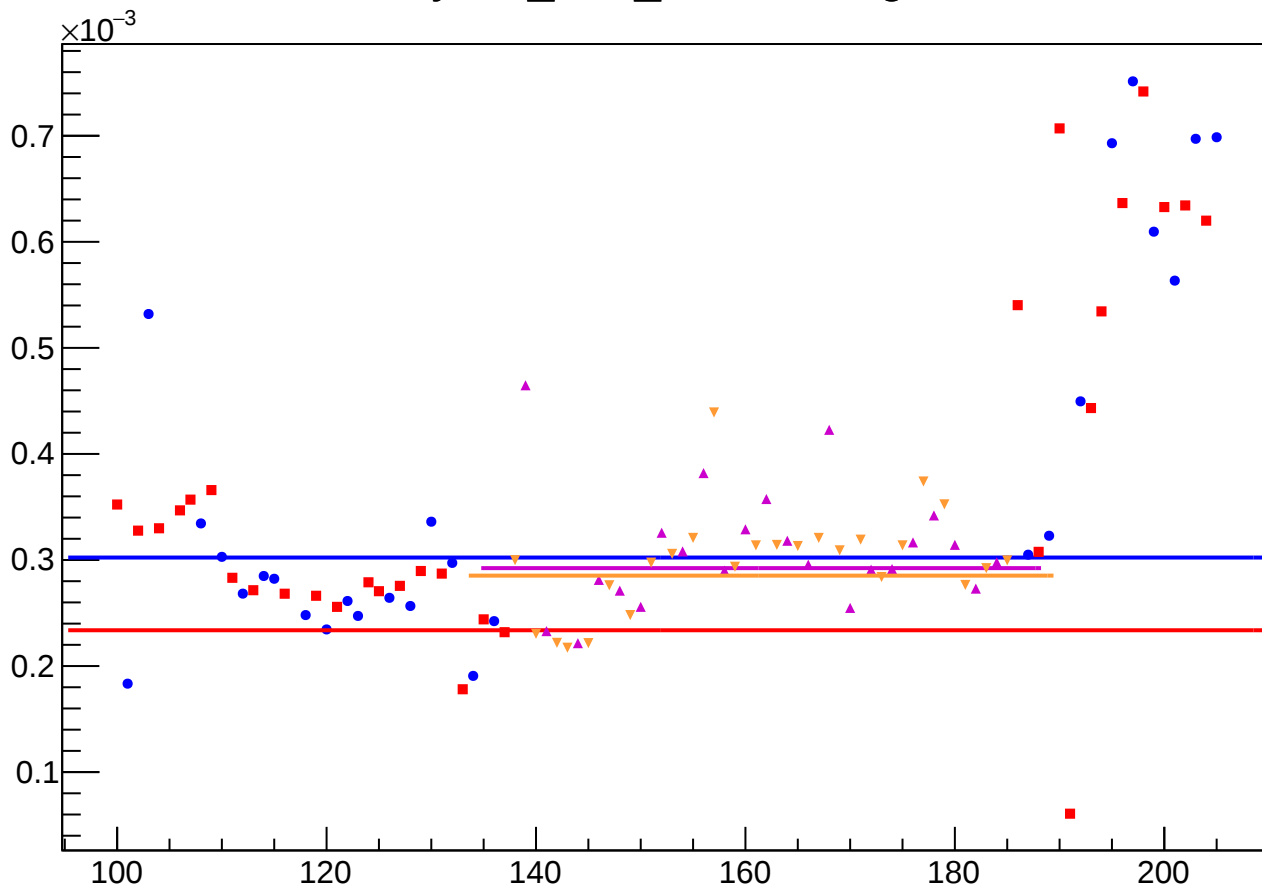
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7221009556.4/50

All: 0.023+/-0.000 χ^2/NDF : 54547001211.1/100

- sign 0.021+/-0.000 χ^2/NDF : 44993519915.0/52

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3948377.6/25

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8158220.4/29

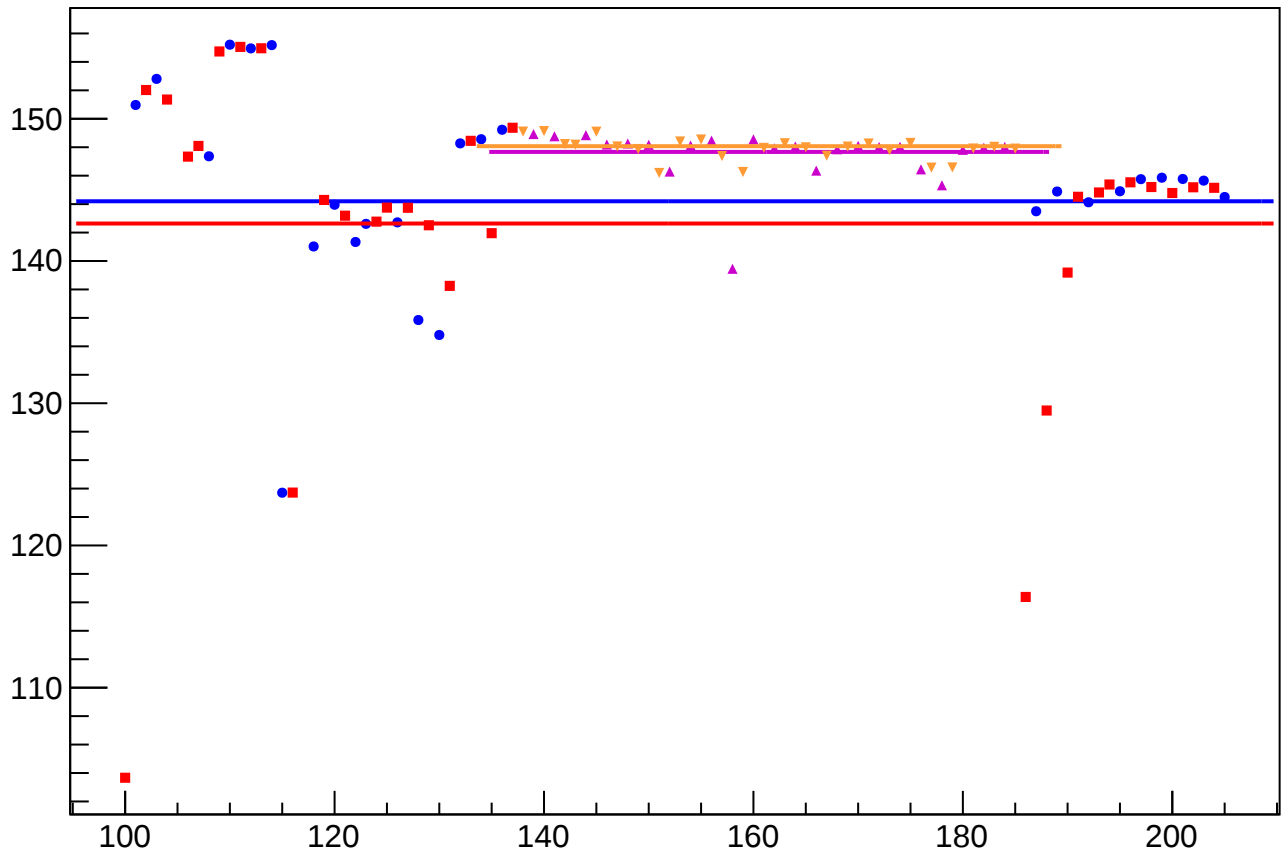
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4803090.9/50

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 14685037.8/103

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9652359.6/52

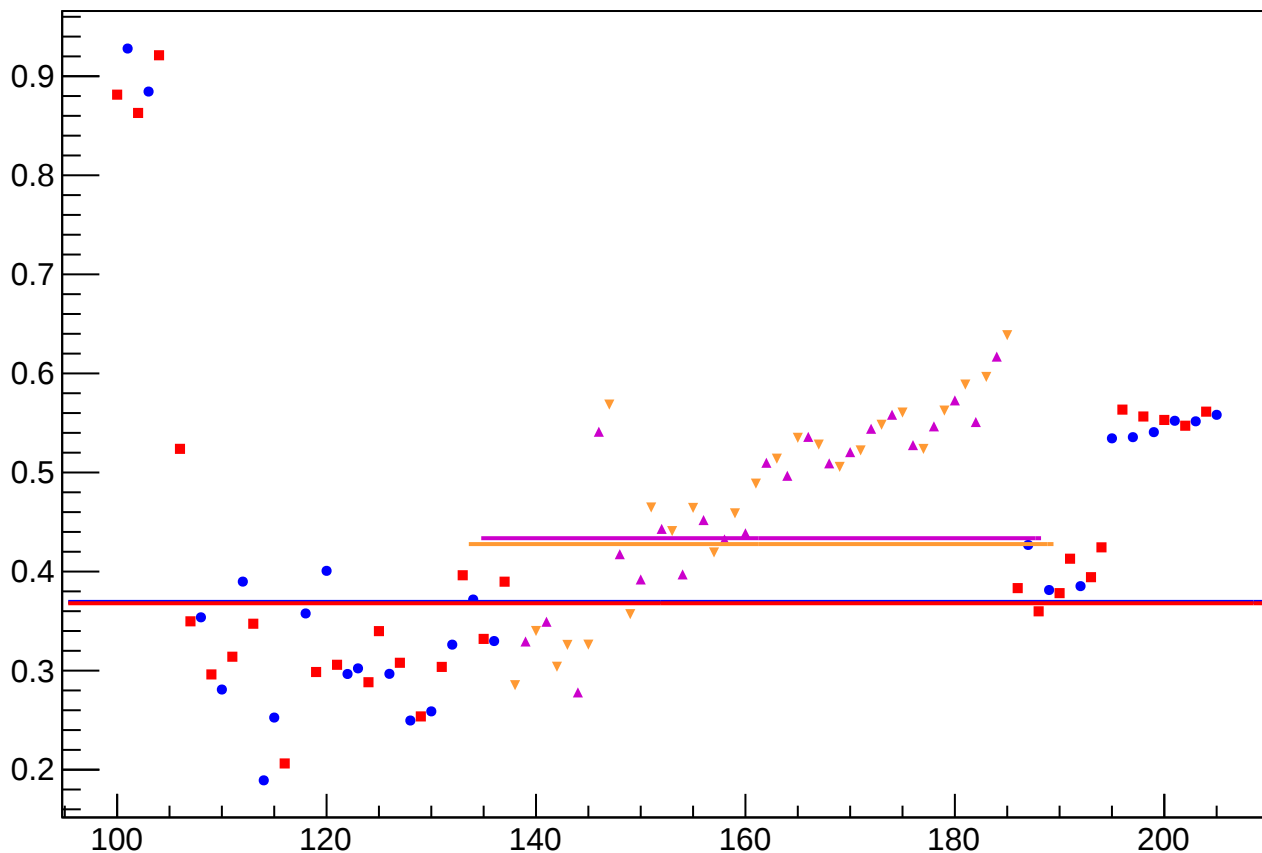
yield_bcm_an_ds_mean vs Slug



Right In: 144.201 $\pm$ 0.000 χ^2/NDF : 3485512770.6/25
 Left Out: 148.073 $\pm$ 0.000 χ^2/NDF : 65614067.4/24
 Right Out: 142.635 $\pm$ 0.000 χ^2/NDF : 7392386246.4/29
 Left In: 147.670 $\pm$ 0.000 χ^2/NDF : 345222604.4/22

+ sign 146.278 $\pm$ 0.000 χ^2/NDF : 4195979077.8/50
 All: 145.684 $\pm$ 0.000 χ^2/NDF : 13172332132.
 - sign 145.102 $\pm$ 0.000 χ^2/NDF : 8855559256.8/52

yield_bcm_an_ds_rms vs Slug



Right In: 0.369 $\pm$ 0.000 χ^2 /NDF: 2538372.0/25

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.368 $\pm$ 0.000 χ^2 /NDF: 2327903.0/29

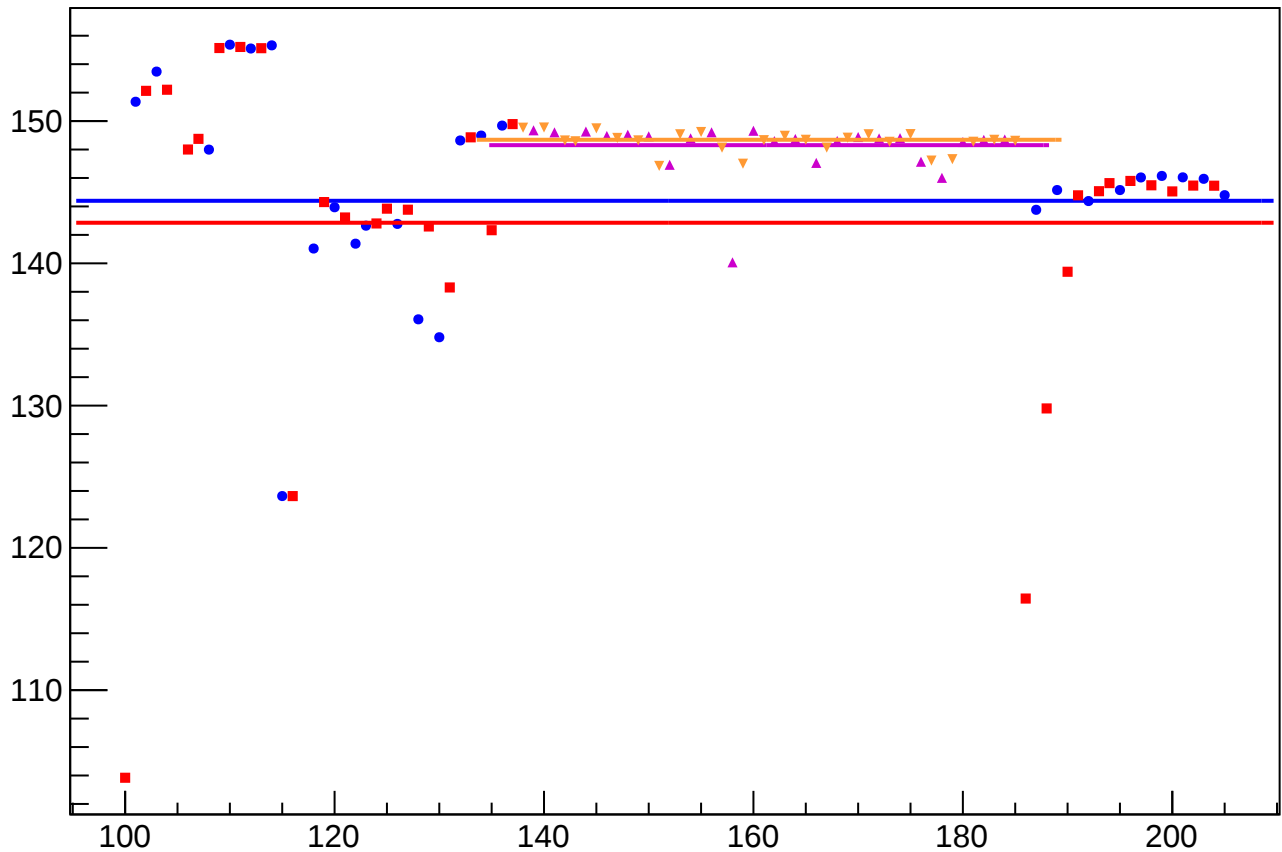
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.401 $\pm$ 0.000 χ^2 /NDF: 4728080.7/50

All: 0.400 $\pm$ 0.000 χ^2 /NDF: 8932805.5/103

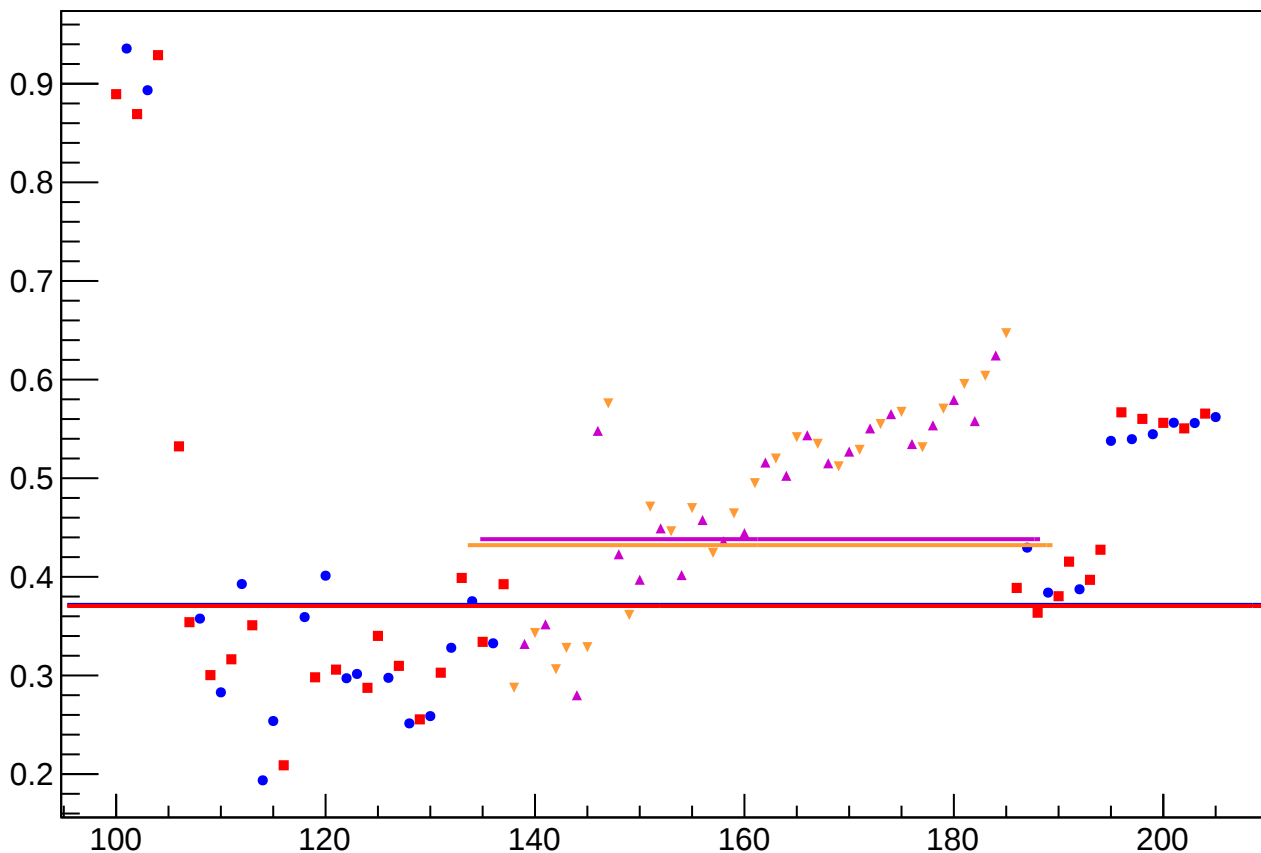
- sign 0.400 $\pm$ 0.000 χ^2 /NDF: 4204678.6/52

yield_bcm_an_ds3_mean vs Slug



Right In: 144.396+/-0.000	χ^2/NDF : 3534179270.1/25	+ sign 146.688+/-0.000	χ^2/NDF : 4364923164.0/50
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.095+/-0.000	χ^2/NDF : 13446188188.
Right Out: 142.853+/-0.000	χ^2/NDF : 7340406111.5/29	- sign 145.514+/-0.000	χ^2/NDF : 8962958536.4/52
Left In: 148.307+/-0.000	χ^2/NDF : 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.372 $\pm$ 0.000 χ^2 /NDF: 2545771.4/25

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1929031.5/24

Right Out: 0.370 $\pm$ 0.000 χ^2 /NDF: 2331912.0/29

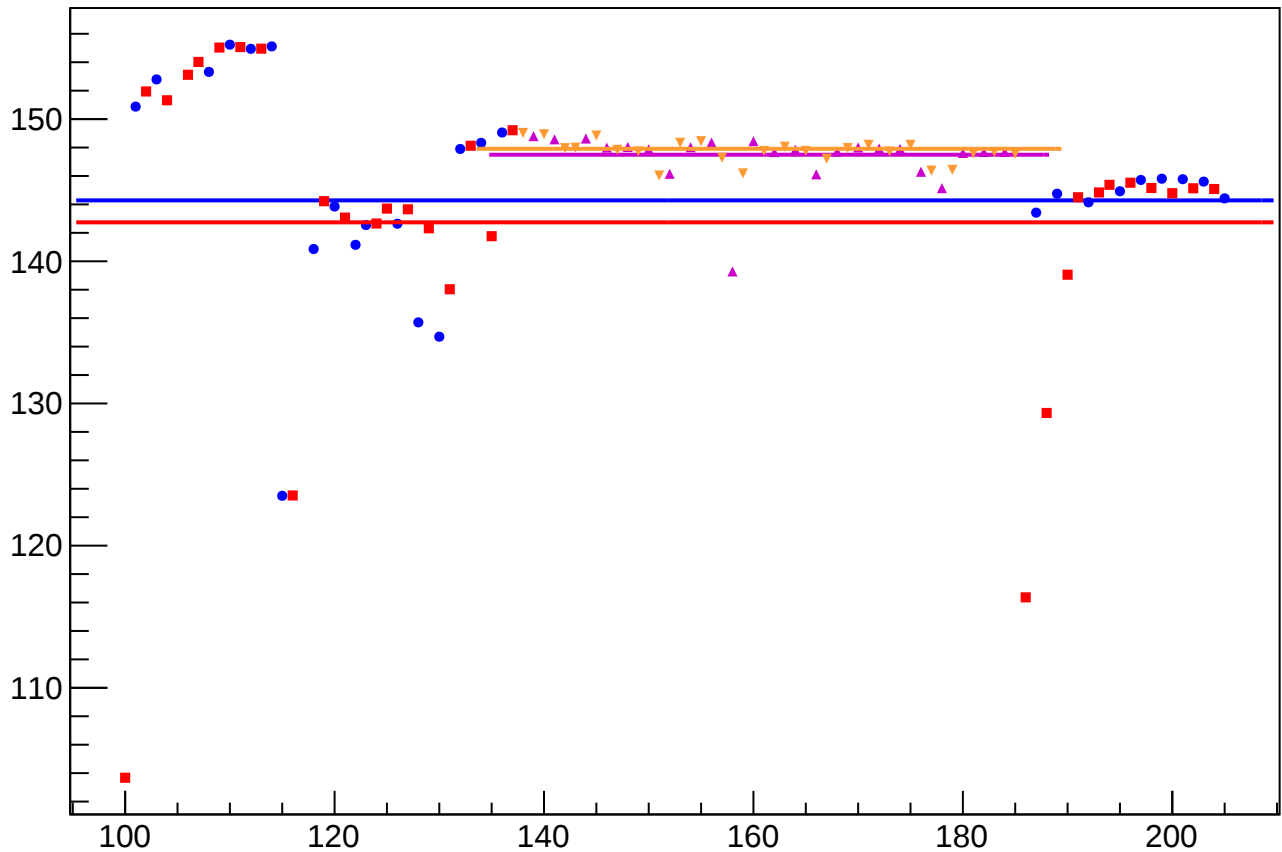
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.404 $\pm$ 0.000 χ^2 /NDF: 4785140.3/50

All: 0.404 $\pm$ 0.000 χ^2 /NDF: 9036931.7/103

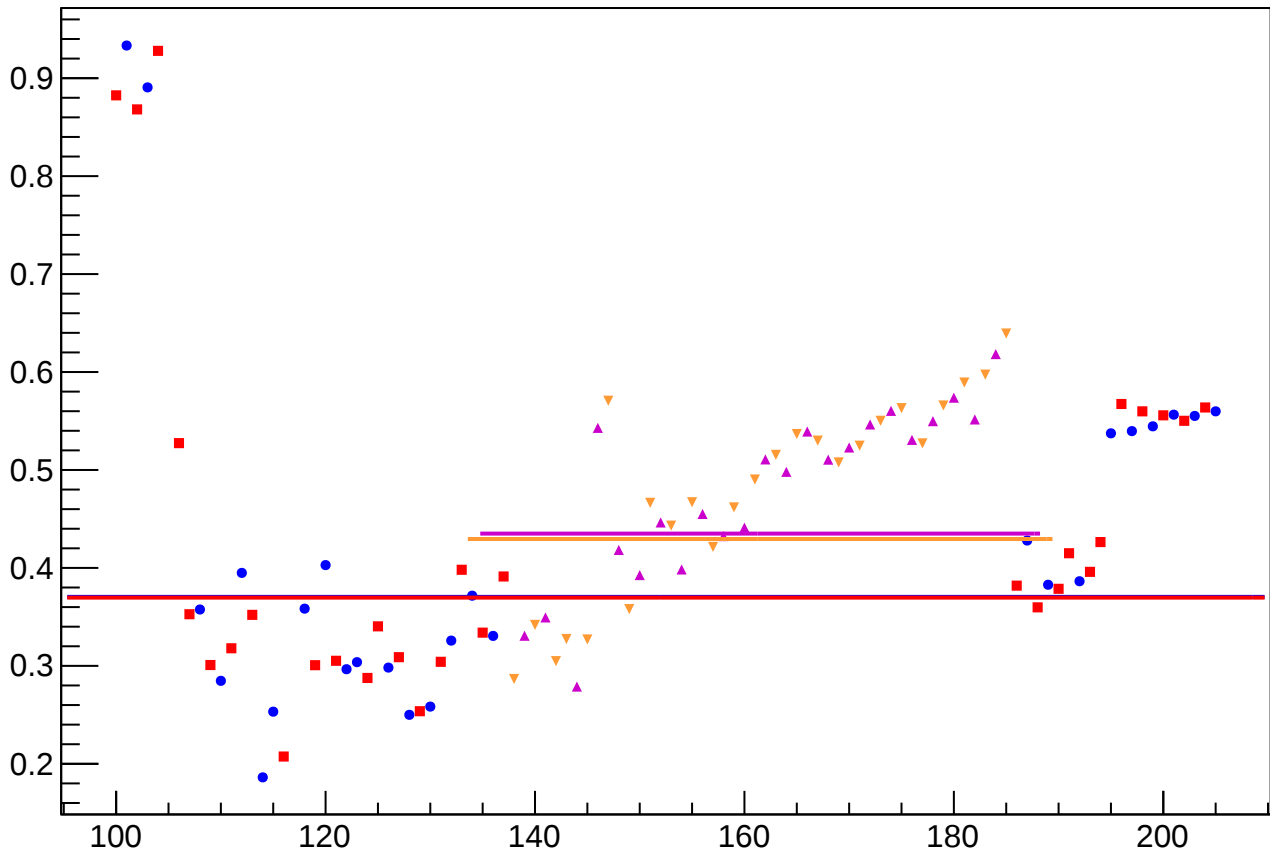
- sign 0.404 $\pm$ 0.000 χ^2 /NDF: 4251762.1/52

yield_bcm_an_us_mean vs Slug



Right In: 144.283+/-0.000	χ^2/NDF : 3692611411.3/25	+ sign 146.229+/-0.000	χ^2/NDF : 4318660818.1/50
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.644+/-0.000	χ^2/NDF : 13539597618.
Right Out: 142.739+/-0.000	χ^2/NDF : 7771665368.9/29	- sign 145.071+/-0.000	χ^2/NDF : 9104842325.3/52
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.370 $\pm$ 0.000 χ^2 /NDF: 2568850.6/25

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:1895701.4/24

Right Out: 0.370 $\pm$ 0.000 χ^2 /NDF: 2332052.7/29

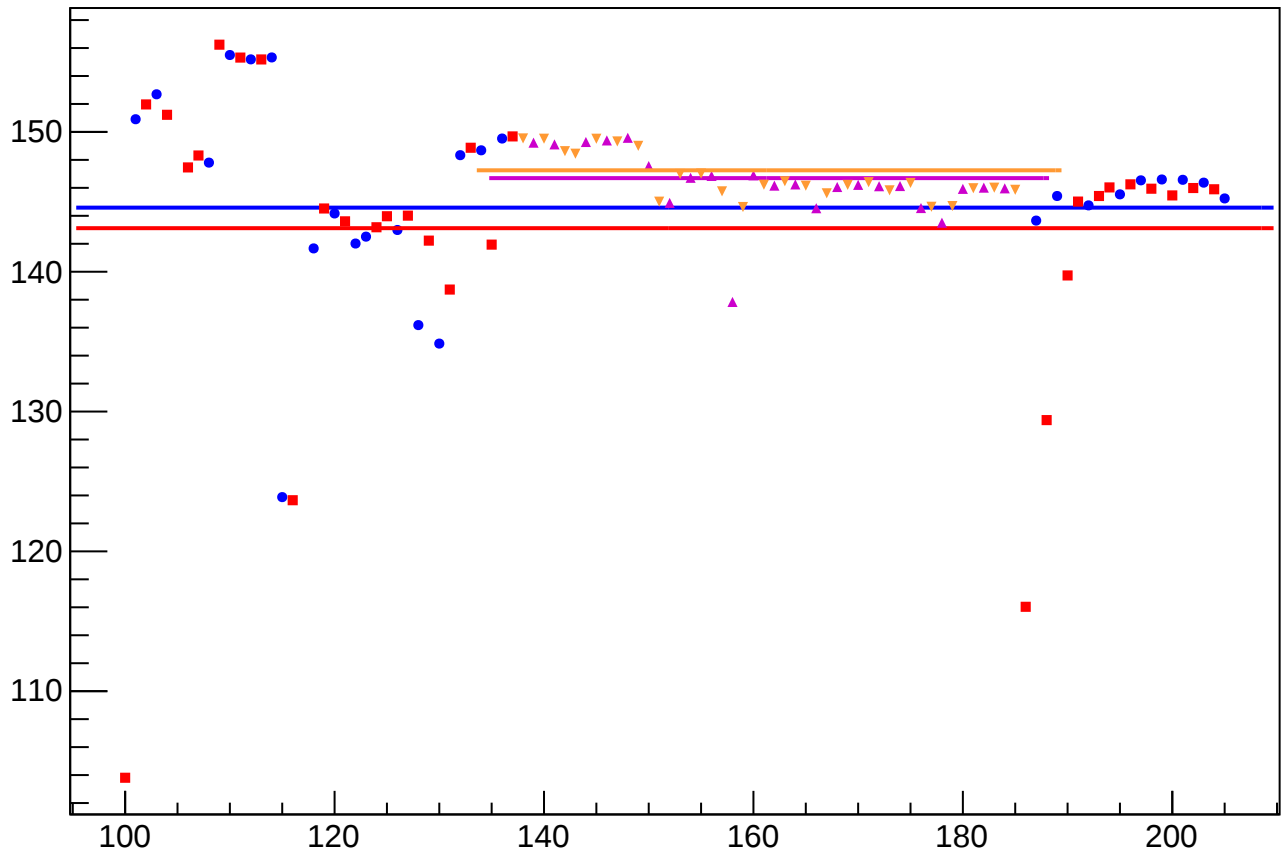
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.402 $\pm$ 0.000 χ^2 /NDF: 4762600.9/50

All: 0.402 $\pm$ 0.000 χ^2 /NDF: 8971301.6/103

- sign 0.402 $\pm$ 0.000 χ^2 /NDF: 4208678.5/52

yield_bcm_dg_us_mean vs Slug



Right In: 144.585 $\pm$ 0.000 χ^2 /NDF: 3216551846.1/25

Left Out: 147.255 $\pm$ 0.000 χ^2 /NDF: 262138049.8/24

+ sign 146.029 $\pm$ 0.000 χ^2 /NDF: 3763599237.1/50

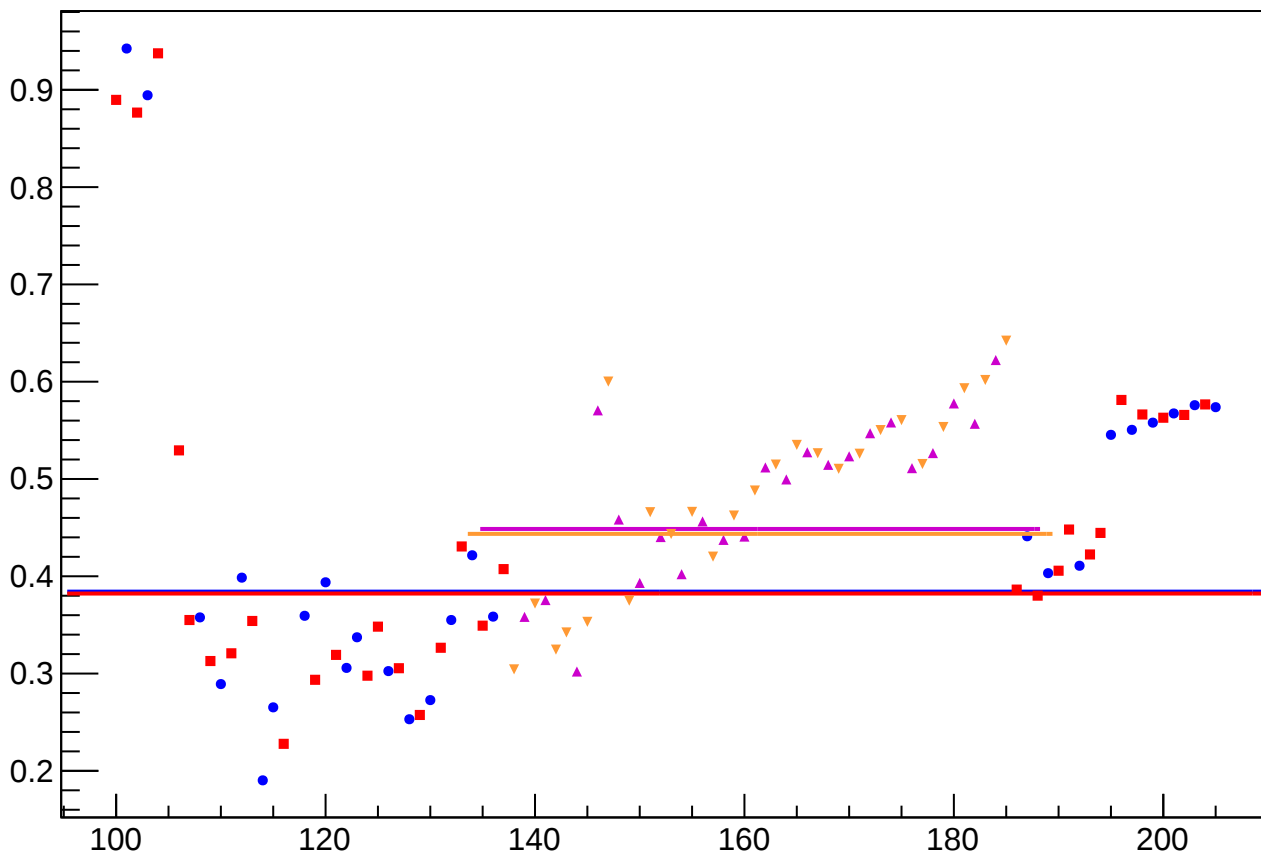
Right Out: 143.116 $\pm$ 0.000 χ^2 /NDF: 7104873543.8/29

All: 145.452 $\pm$ 0.000 χ^2 /NDF: 12060757974.

Left In: 146.695 $\pm$ 0.000 χ^2 /NDF: 557896803.1/22

- sign 144.887 $\pm$ 0.000 χ^2 /NDF: 8190935375.1/52

yield_bcm_dg_us_rms vs Slug



Right In: 0.384 $\pm$ 0.000 χ^2 /NDF: 2506695.9/25

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.382 $\pm$ 0.000 χ^2 /NDF: 2275352.7/29

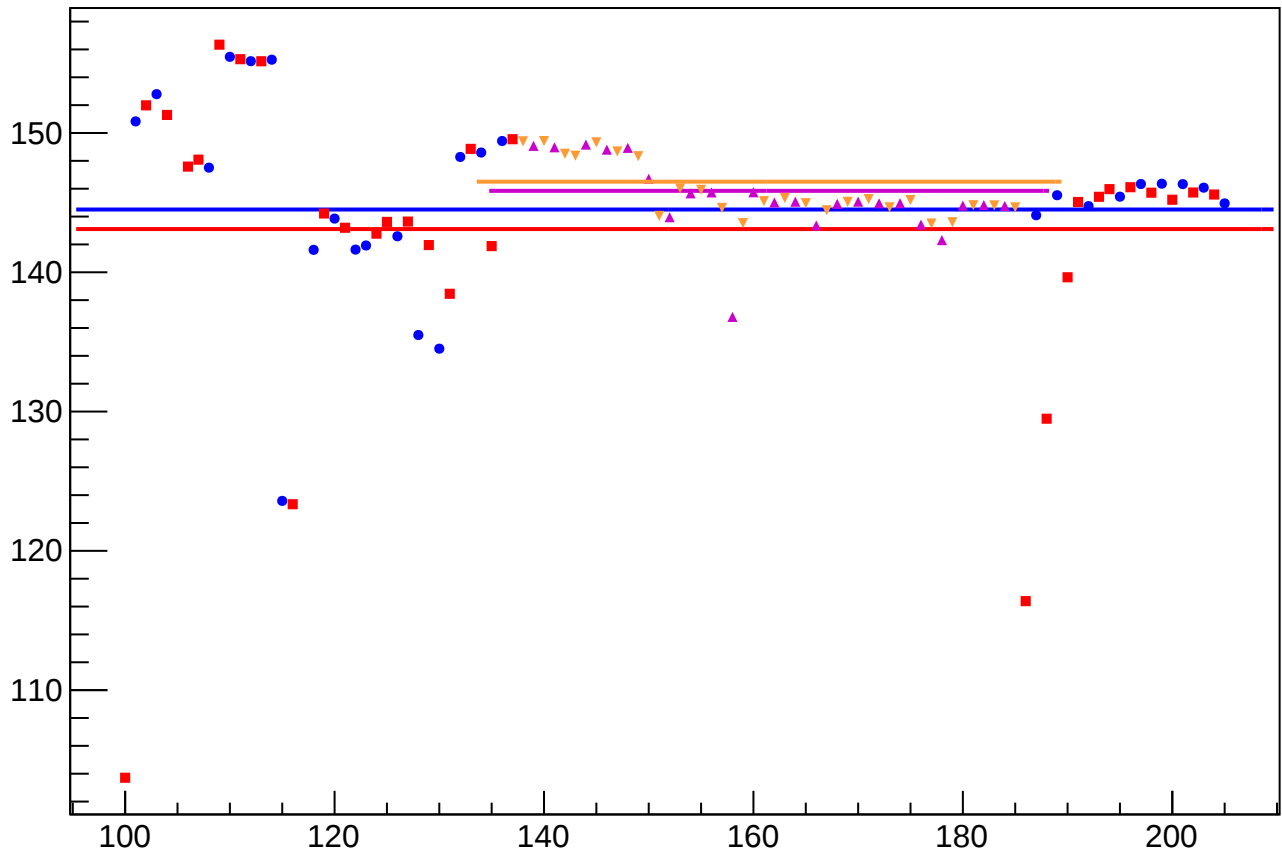
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.416 $\pm$ 0.000 χ^2 /NDF: 4271986.4/50

All: 0.416 $\pm$ 0.000 χ^2 /NDF: 8043596.8/103

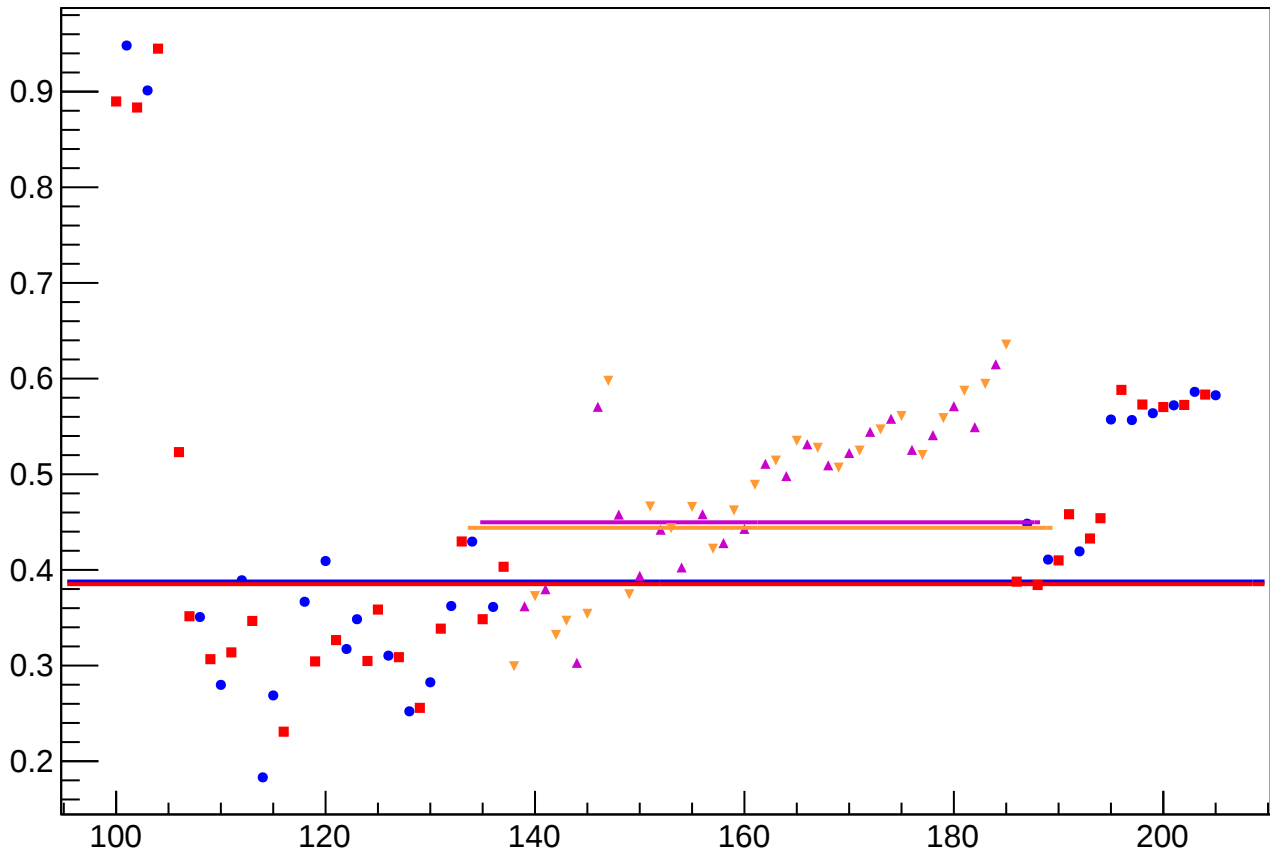
- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 3771365.3/52

yield_bcm_dg_ds_mean vs Slug



Right In: 144.506 $\pm$ 0.000	χ^2 /NDF: 3327942582.0/25	+ sign 145.598 $\pm$ 0.000	χ^2 /NDF: 3887141710.2/50
Left Out: 146.505 $\pm$ 0.000	χ^2 /NDF: 401688176.3/24	All: 145.027 $\pm$ 0.000	χ^2 /NDF: 12053530974.
Right Out: 143.103 $\pm$ 0.000	χ^2 /NDF: 7062574685.5/29	- sign 144.470 $\pm$ 0.000	χ^2 /NDF: 8063968686.3/52
Left In: 145.847 $\pm$ 0.000	χ^2 /NDF: 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.388 $\pm$ 0.000 χ^2/NDF : 2552499.1/25

Left Out: 0.444 $\pm$ 0.000 χ^2/NDF :1463293.5/24

Right Out: 0.385 $\pm$ 0.000 χ^2/NDF : 2299488.5/29

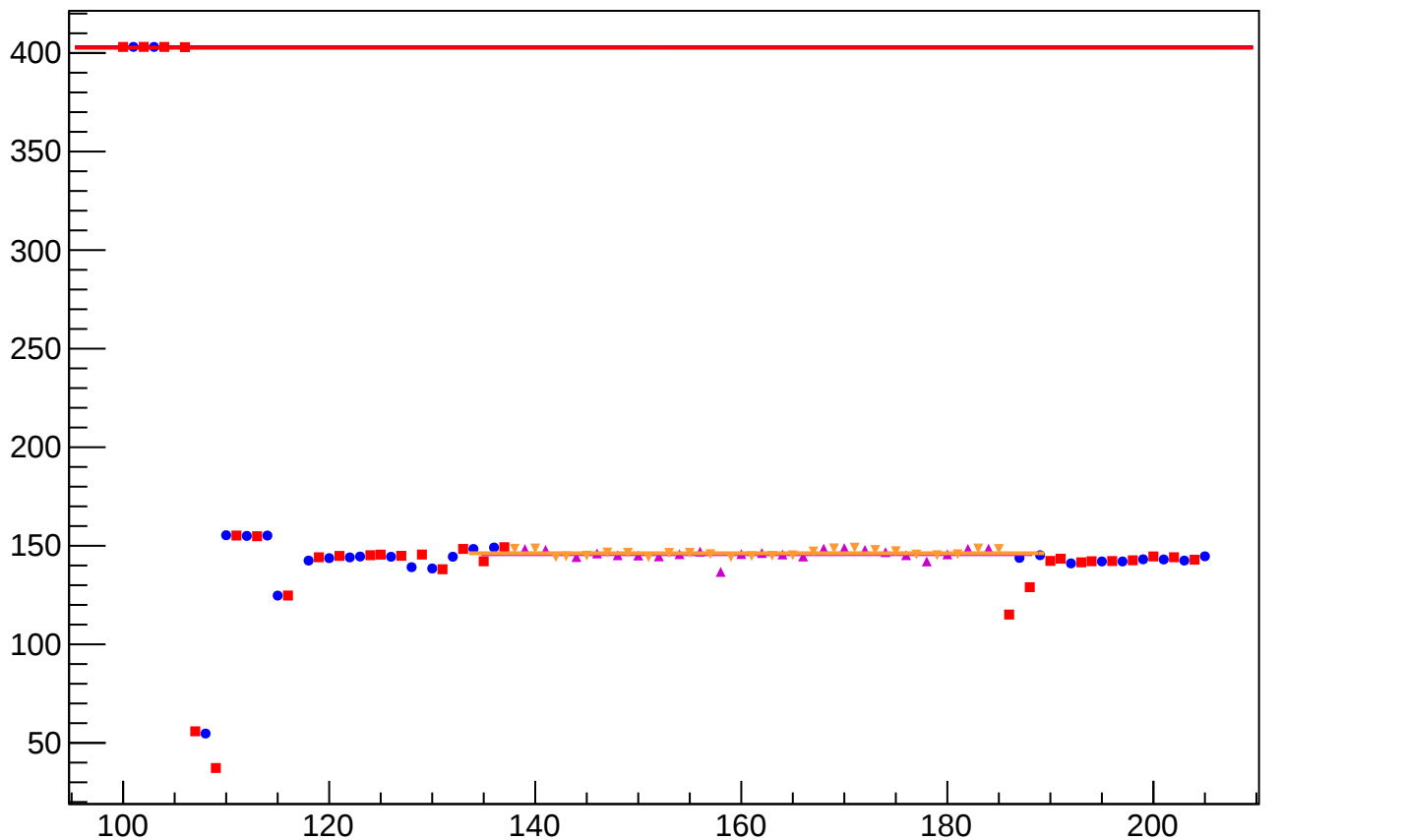
Left In: 0.450 $\pm$ 0.000 χ^2/NDF :1105405.0/22

+ sign 0.419 $\pm$ 0.000 χ^2/NDF : 4264357.7/50

All: 0.418 $\pm$ 0.000 χ^2/NDF : 8010216.8/103

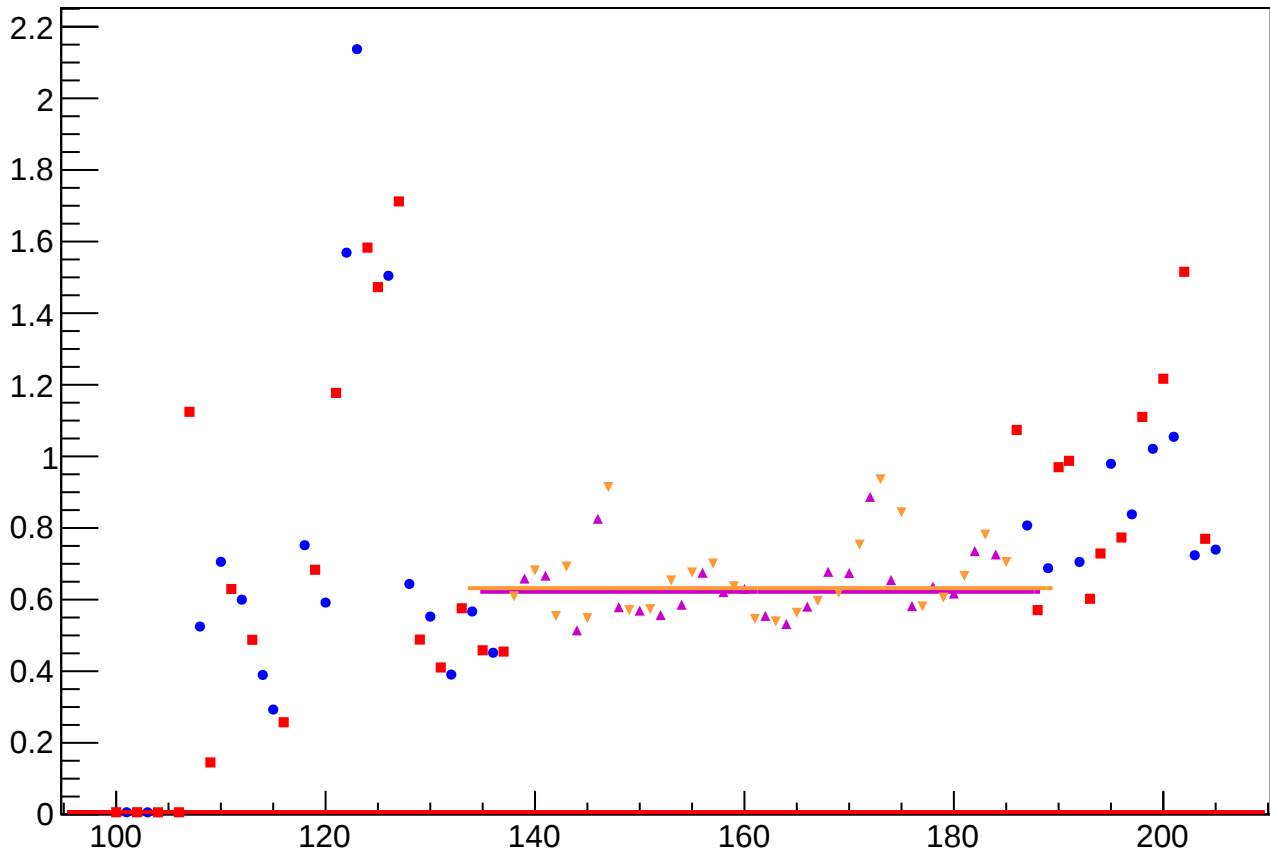
- sign 0.417 $\pm$ 0.000 χ^2/NDF : 3745622.6/52

yield_cav4bQ_mean vs Slug



Right In: 402.895 $\pm$ 0.000	χ^2 /NDF: 1602598668020.5/25	+ sign 402.598 $\pm$ 0.000	χ^2 /NDF: 3973435800053.1
Left Out: 146.205 $\pm$ 0.000	χ^2 /NDF: 86658381.3/24	All: 402.530 $\pm$ 0.000	χ^2 /NDF: 100805745322
Right Out: 402.728 $\pm$ 0.000	χ^2 /NDF: 3760706892873.7/29	- sign 402.469 $\pm$ 0.000	χ^2 /NDF: 6106862896798.2
Left In: 145.773 $\pm$ 0.000	χ^2 /NDF: 207332354.9/22		

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 18930653.6/25

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 20755355.3/29

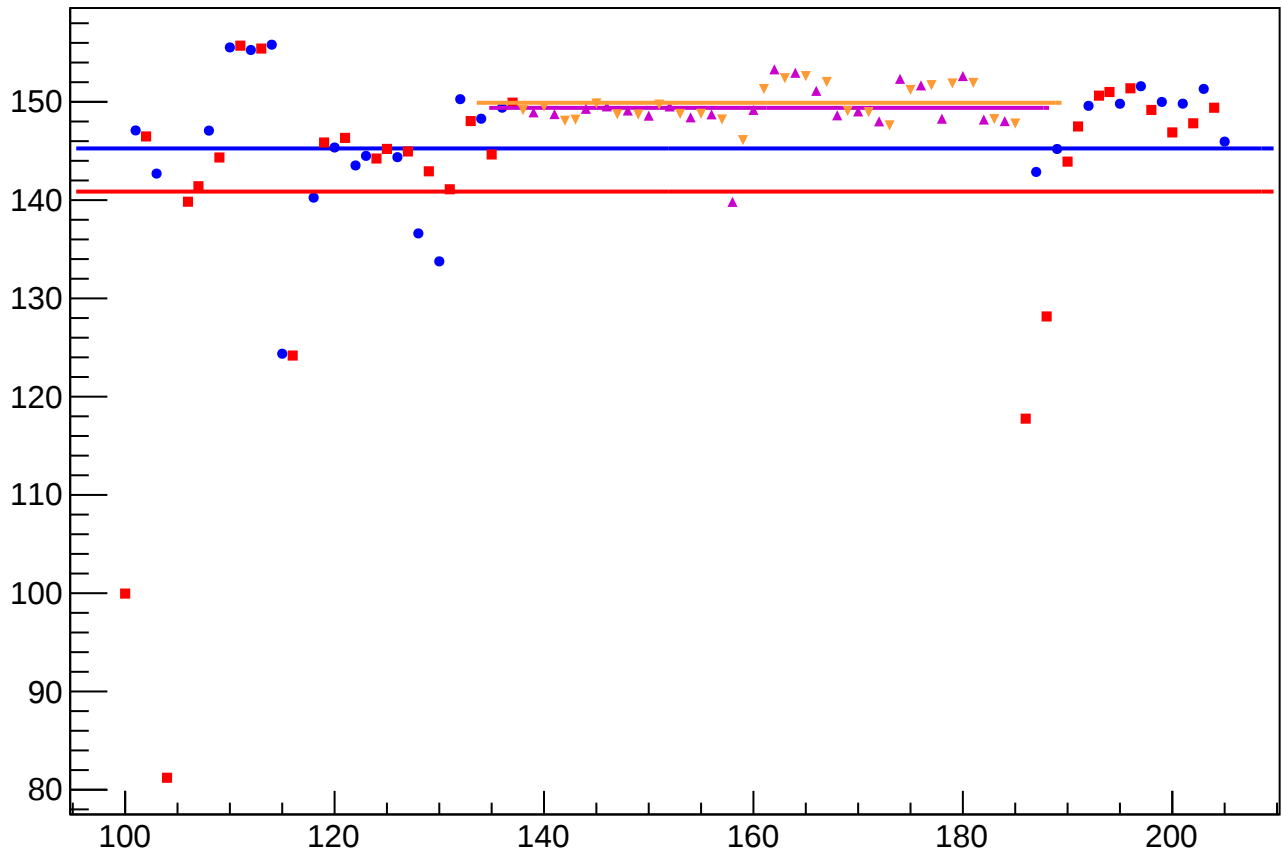
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 47706984.1/50

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 95780254.8/103

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 48072907.7/52

yield_cav4cQ_mean vs Slug



Right In: 145.259+/-0.000 χ^2/NDF : 1300461954.6/25

Left Out: 149.906+/-0.000 χ^2/NDF :163261802.4/24

Right Out: 140.870+/-0.000 χ^2/NDF : 3145293208.3/29

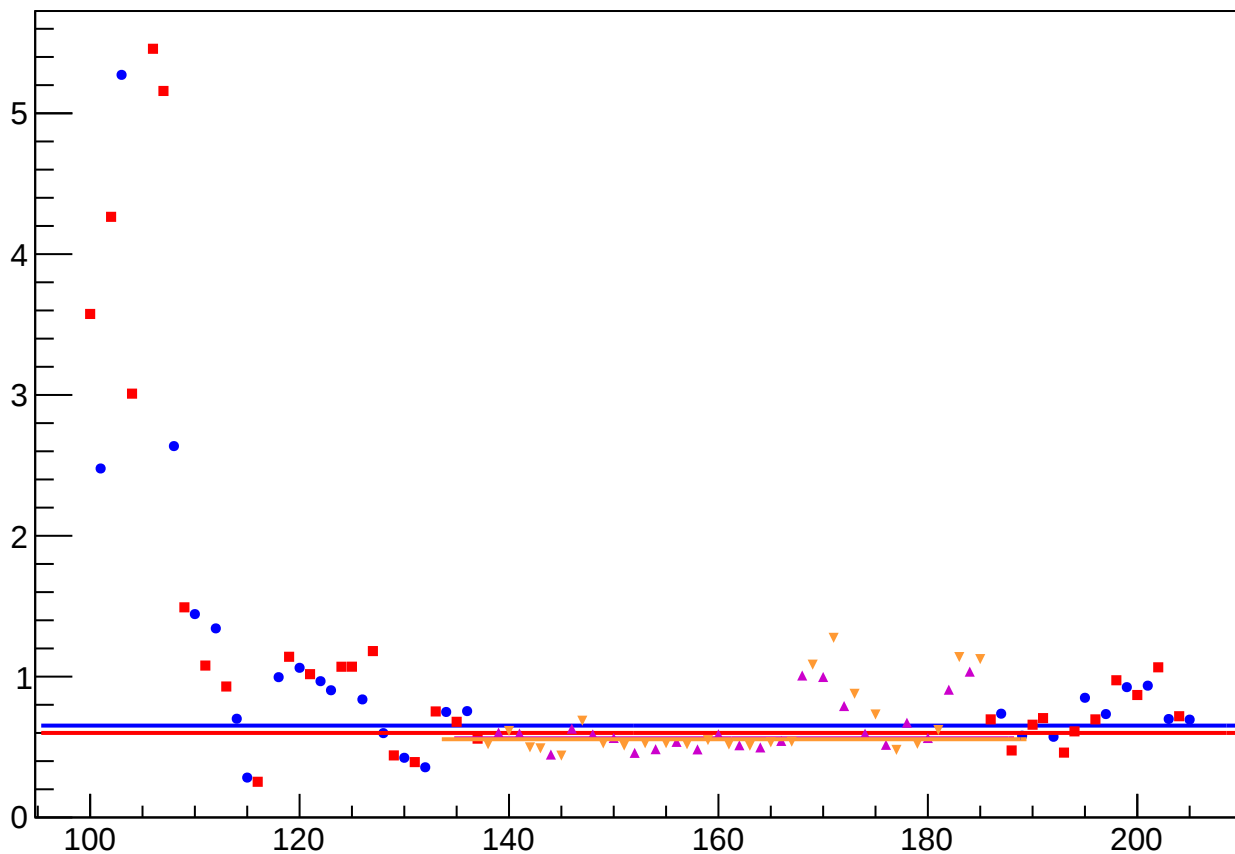
Left In: 149.391+/-0.000 χ^2/NDF :437129920.4/22

+ sign 148.595+/-0.000 χ^2/NDF : 1774048267.8/50

All: 147.519+/-0.000 χ^2/NDF : 6705171669.5

- sign 146.466+/-0.000 χ^2/NDF : 4768624787.8/52

yield_cav4cQ_rms vs Slug



Right In: 0.652 ± 0.000 χ^2/NDF : 3946528.8/25

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.600 ± 0.000 χ^2/NDF : 5485819.8/29

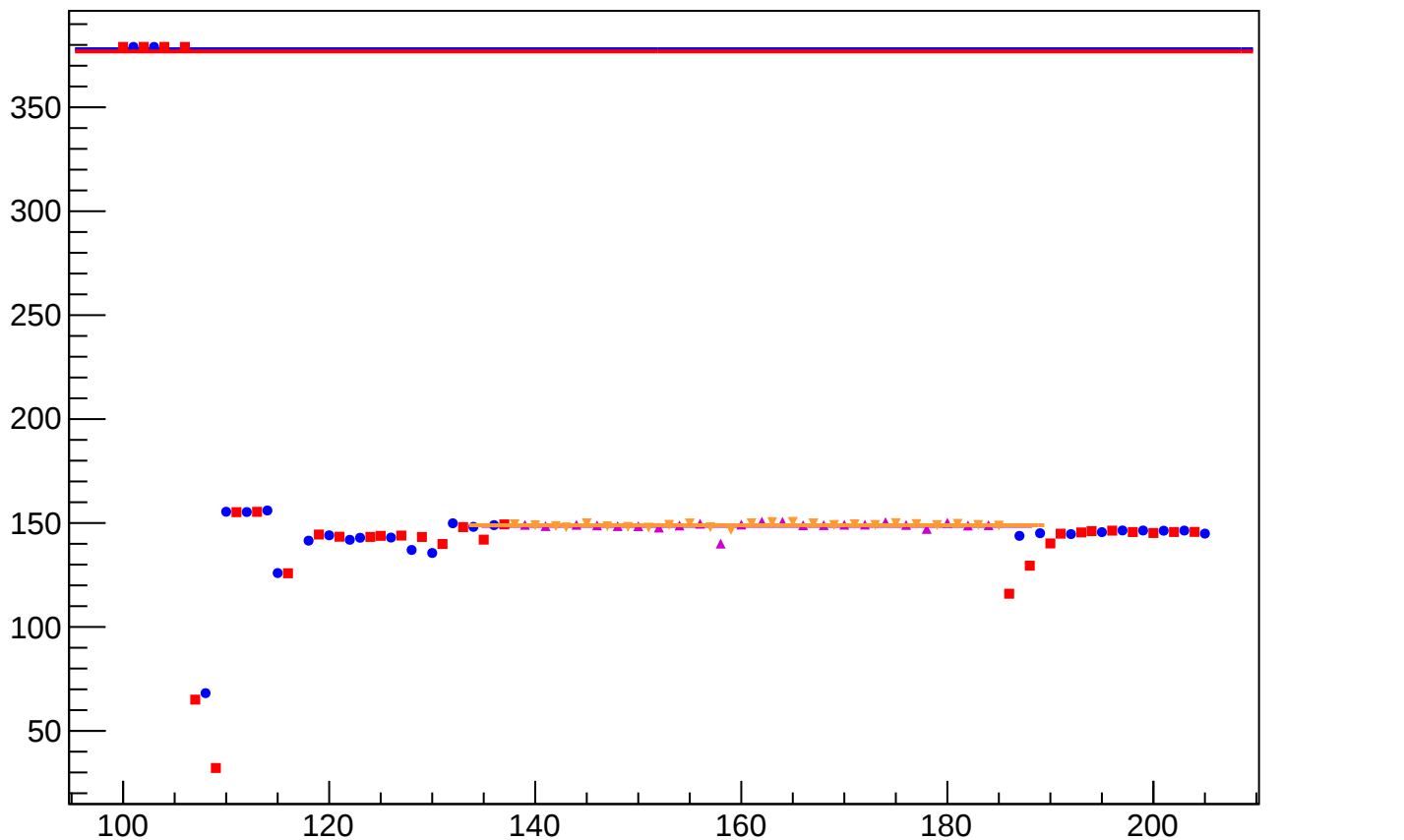
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.583 ± 0.000 χ^2/NDF : 5989394.7/50

All: 0.579 ± 0.000 χ^2/NDF : 12837793.2/103

- sign 0.575 ± 0.000 χ^2/NDF : 6844277.2/52

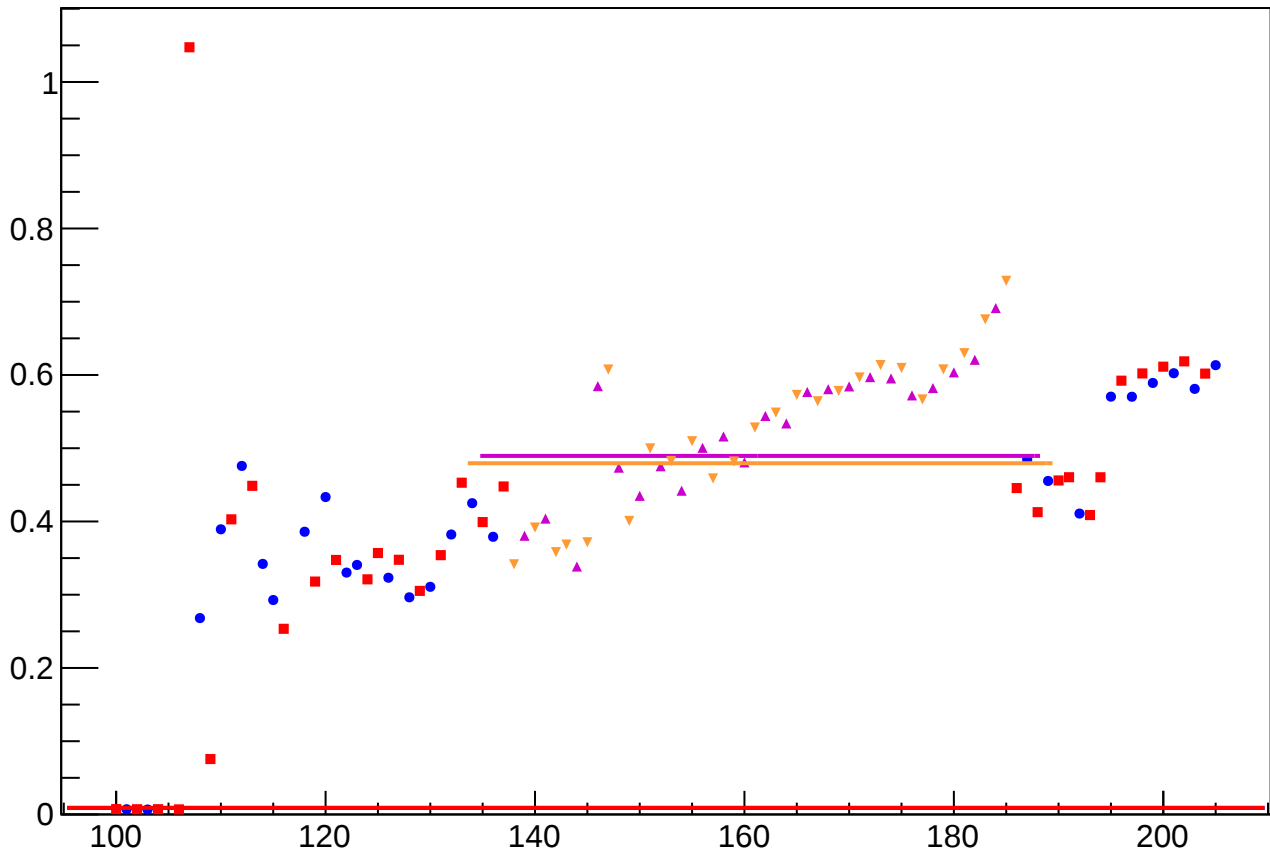
yield_cav4dQ_mean vs Slug



Right In: 377.922 ± 0.000 $\chi^2/NDF: 3625964109470.2/25$
 Left Out: 148.946 ± 0.000 $\chi^2/NDF: 63974844.7/24$
 Right Out: 376.861 ± 0.000 $\chi^2/NDF: 9821537877269.8/29$
 Left In: 148.683 ± 0.000 $\chi^2/NDF: 253848207.3/22$

+ sign 376.644 ± 0.000 $\chi^2/NDF: 7529017435817.4$
 All: 376.211 ± 0.000 $\chi^2/NDF: 209270835429$
 - sign 375.832 ± 0.000 $\chi^2/NDF: 13393358380992.2$

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 21436721.8/25

Left Out: 0.479+/-0.000 χ^2/NDF :1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 22781647.6/29

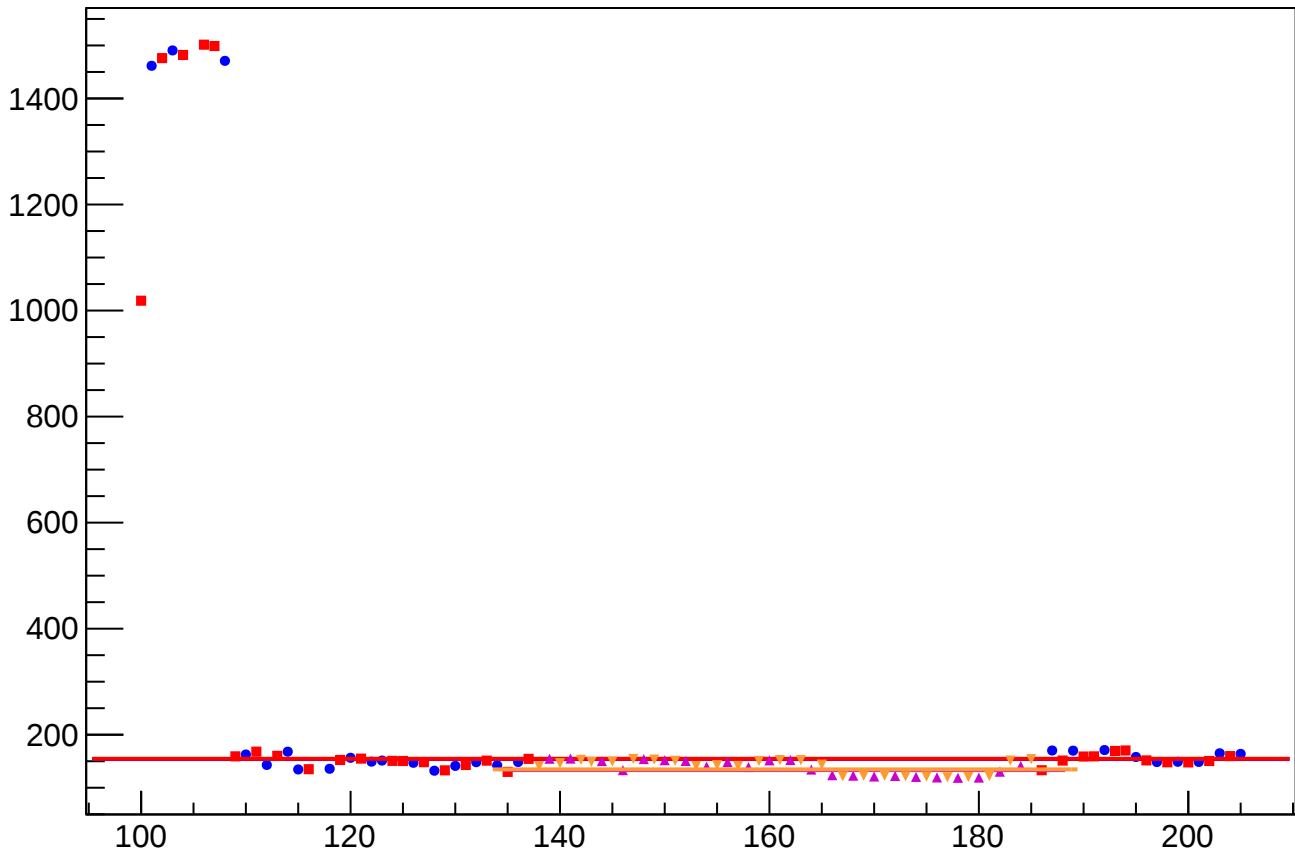
Left In: 0.490+/-0.000 χ^2/NDF :1090532.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 55921616.8/50

All: 0.011+/-0.000 χ^2/NDF : 111471411.2/103

- sign 0.011+/-0.000 χ^2/NDF : 55547760.1/52

yield_bcm0l02_mean vs Slug



Right In: 154.127+/-0.000 χ^2/NDF : 25668659010.1/25

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 154.571+/-0.000 χ^2/NDF : 34855808820.8/29

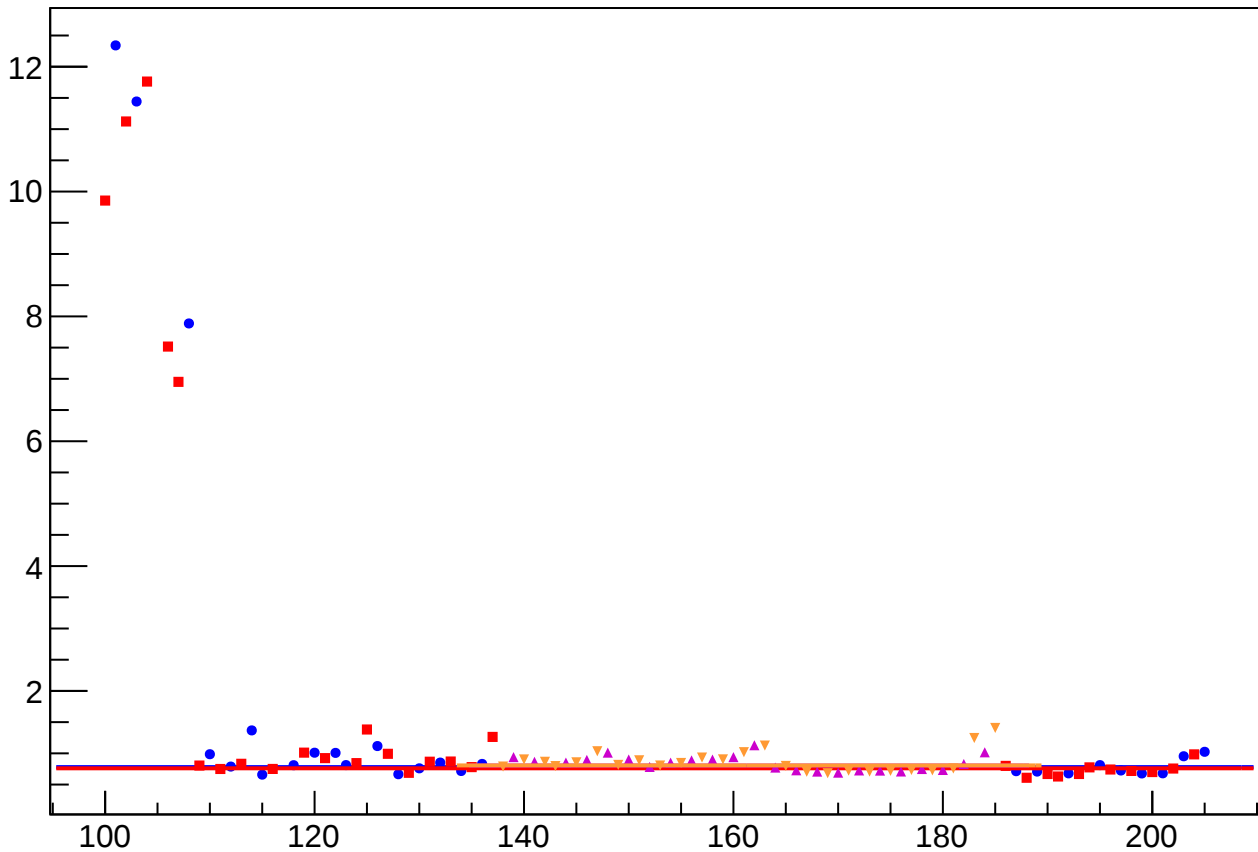
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 142.147+/-0.000 χ^2/NDF : 33564287892.3/50

All: 142.347+/-0.000 χ^2/NDF : 77278779784.0

- sign 142.538+/-0.000 χ^2/NDF : 43711466029.9/52

yield_bcm0l02_rms vs Slug



Right In: 0.780 $\pm$ 0.000 χ^2 /NDF: 2953267.1/25

Left Out: 0.807 $\pm$ 0.000 χ^2 /NDF:704181.3/24

Right Out: 0.760 $\pm$ 0.000 χ^2 /NDF: 3199691.9/29

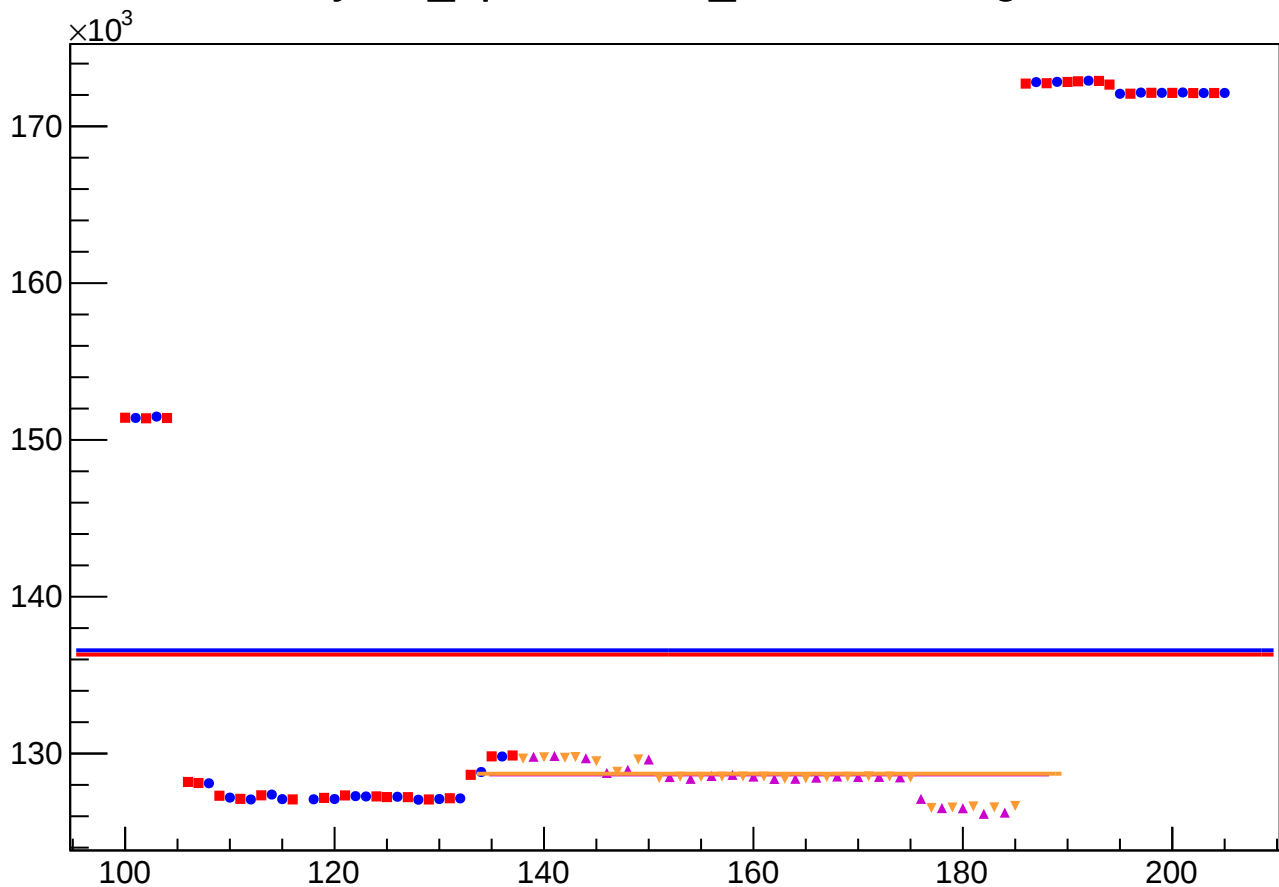
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:479689.4/22

+ sign 0.796 $\pm$ 0.000 χ^2 /NDF: 3670881.3/50

All: 0.791 $\pm$ 0.000 χ^2 /NDF: 7393856.2/103

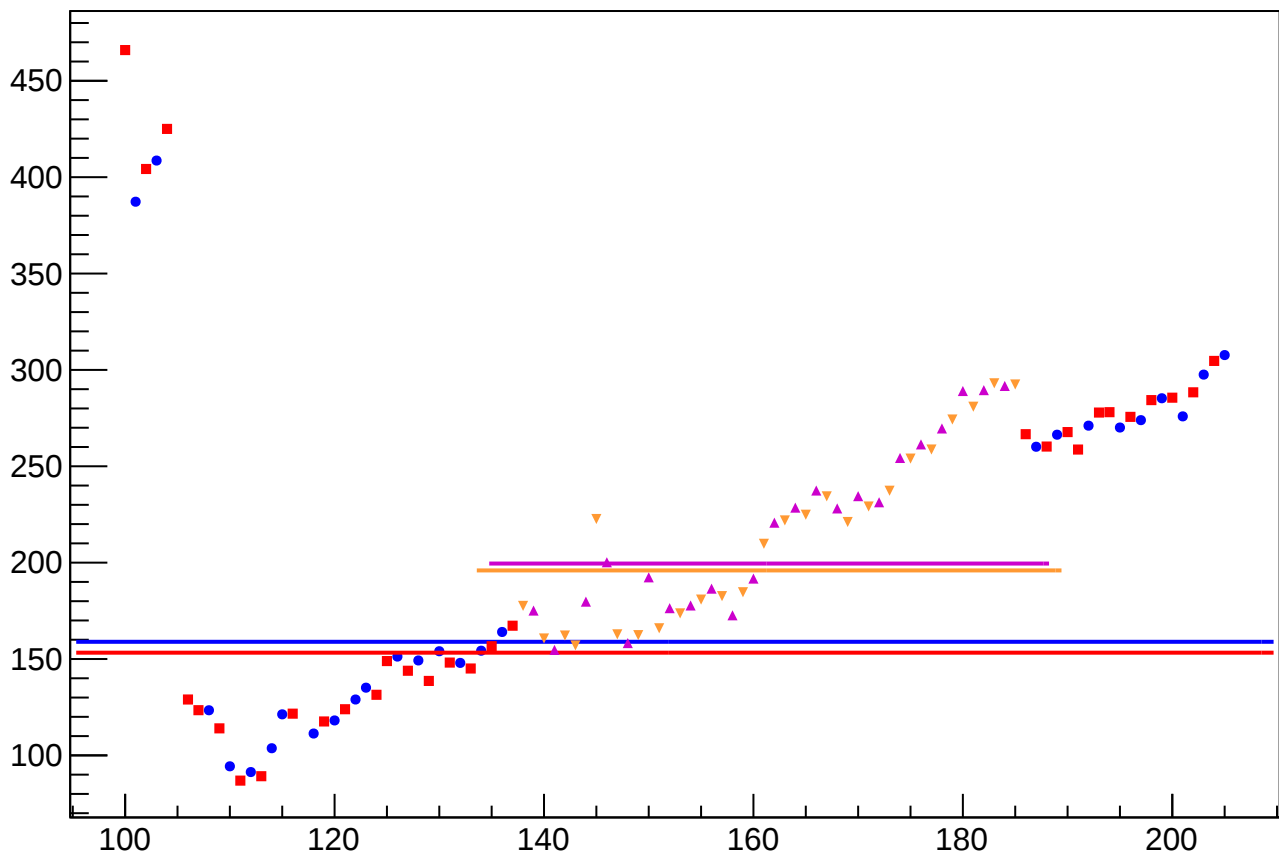
- sign 0.785 $\pm$ 0.000 χ^2 /NDF: 3718306.2/52

yield_bpm2i01WS_mean vs Slug



Right In: 136581.882 $\pm$ 0.049 χ^2 /NDF: 131298166413.7/25
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 136312.479 $\pm$ 0.045 χ^2 /NDF: 150855776987.3/29
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

yield_bpm2i01WS_rms vs Slug



Right In: 158.930 $\pm$ 0.035 χ^2 /NDF: 4424879.4/25

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 153.284 $\pm$ 0.032 χ^2 /NDF: 5039666.9/29

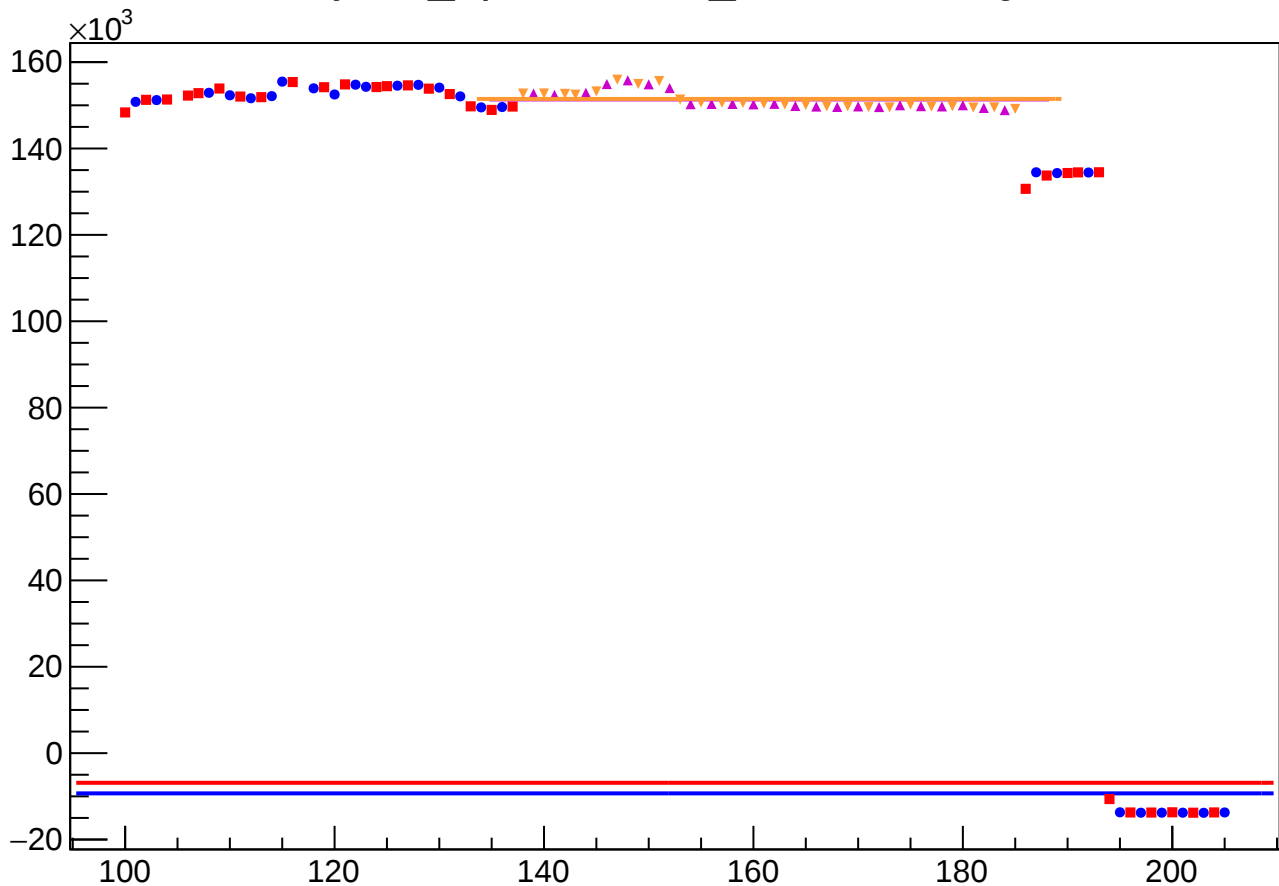
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 178.384 $\pm$ 0.024 χ^2 /NDF: 6339266.2/50

All: 176.521 $\pm$ 0.017 χ^2 /NDF: 13528508.8/10

- sign 174.721 $\pm$ 0.024 χ^2 /NDF: 7177310.7/52

yield_bpm0i07WS_mean vs Slug



Right In: -9311.188 $\pm$ 0.011 χ^2 /NDF: 5810547054226.5/25

Left Out: 151480.339 $\pm$ 0.049 χ^2 /NDF: 1483692735.3/24

Right Out: -6859.244 $\pm$ 0.012 χ^2 /NDF: 7073672048768.4/29

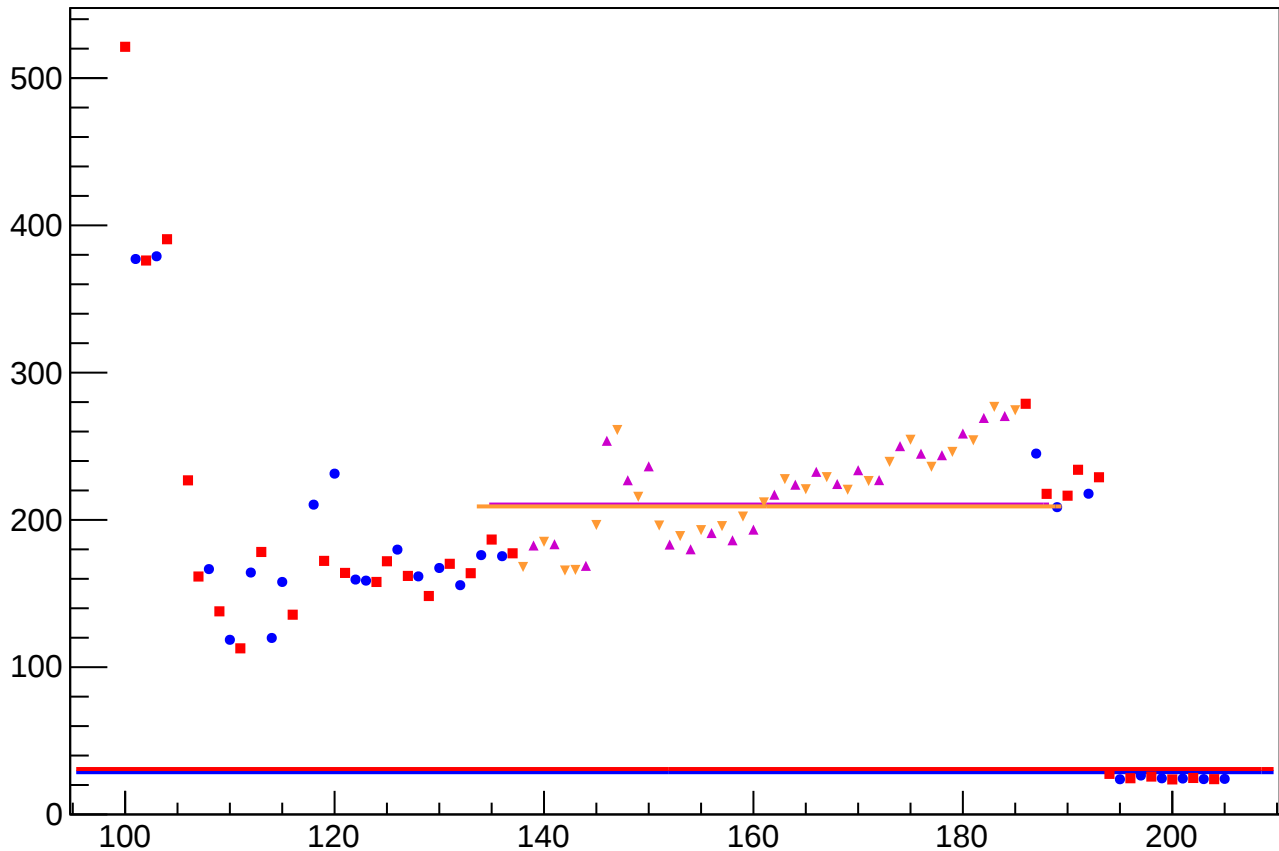
Left In: 151362.440 $\pm$ 0.051 χ^2 /NDF: 1426782789.9/22

+ sign -1657.839 $\pm$ 0.011 χ^2 /NDF: 1587275991909

All: -204.557 $\pm$ 0.008 χ^2 /NDF: 32022730655

- sign 1531.251 $\pm$ 0.012 χ^2 /NDF: 16110186487349

yield_bpm0i07WS_rms vs Slug



Right In: 28.689+/-0.008 χ^2/NDF : 11311382.6/25

Left Out: 209.156+/-0.035 χ^2/NDF : 710094.9/24

Right Out: 30.849+/-0.009 χ^2/NDF : 13302899.9/29

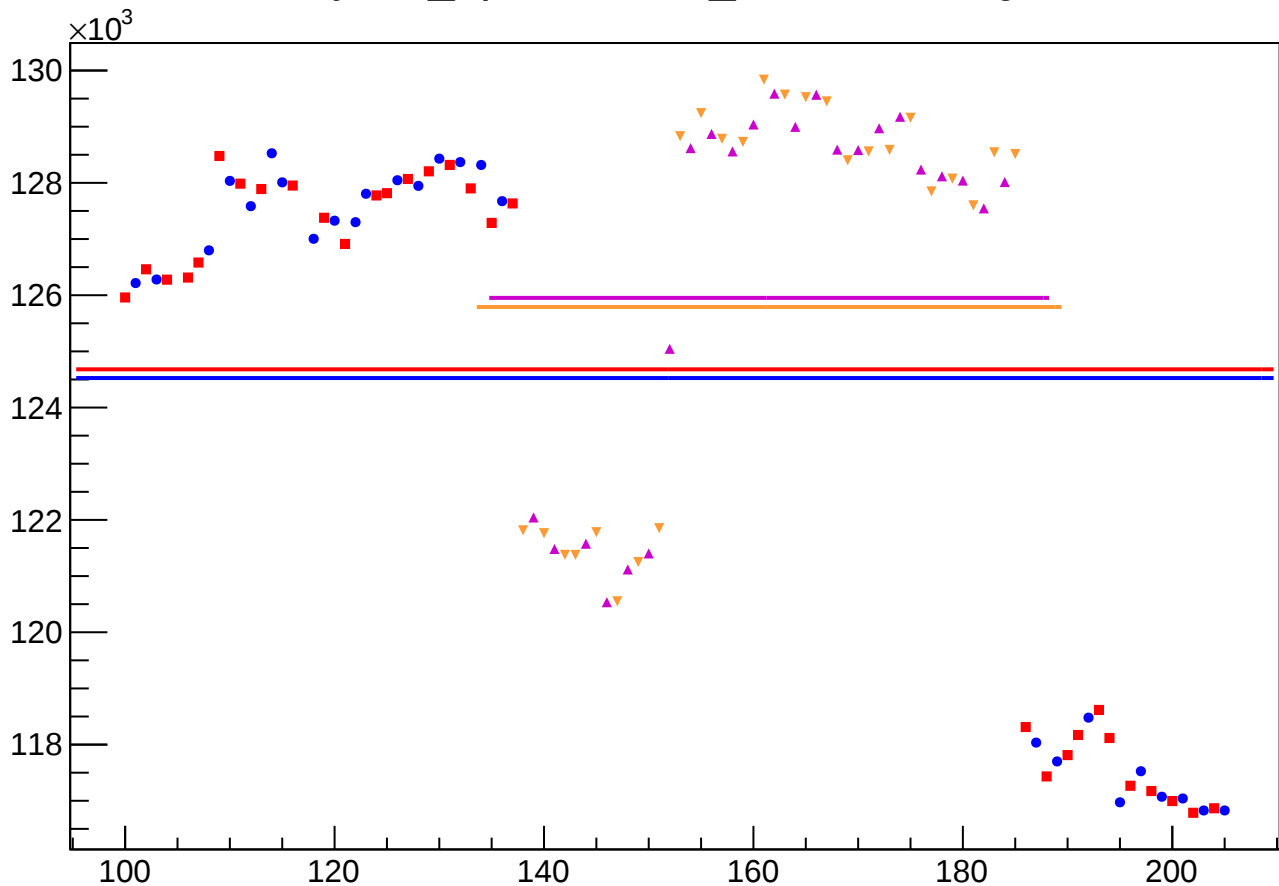
Left In: 210.431+/-0.036 χ^2/NDF : 684015.0/22

+ sign 37.279+/-0.008 χ^2/NDF : 37368524.9/50

All: 38.689+/-0.006 χ^2/NDF : 74708713.7/103

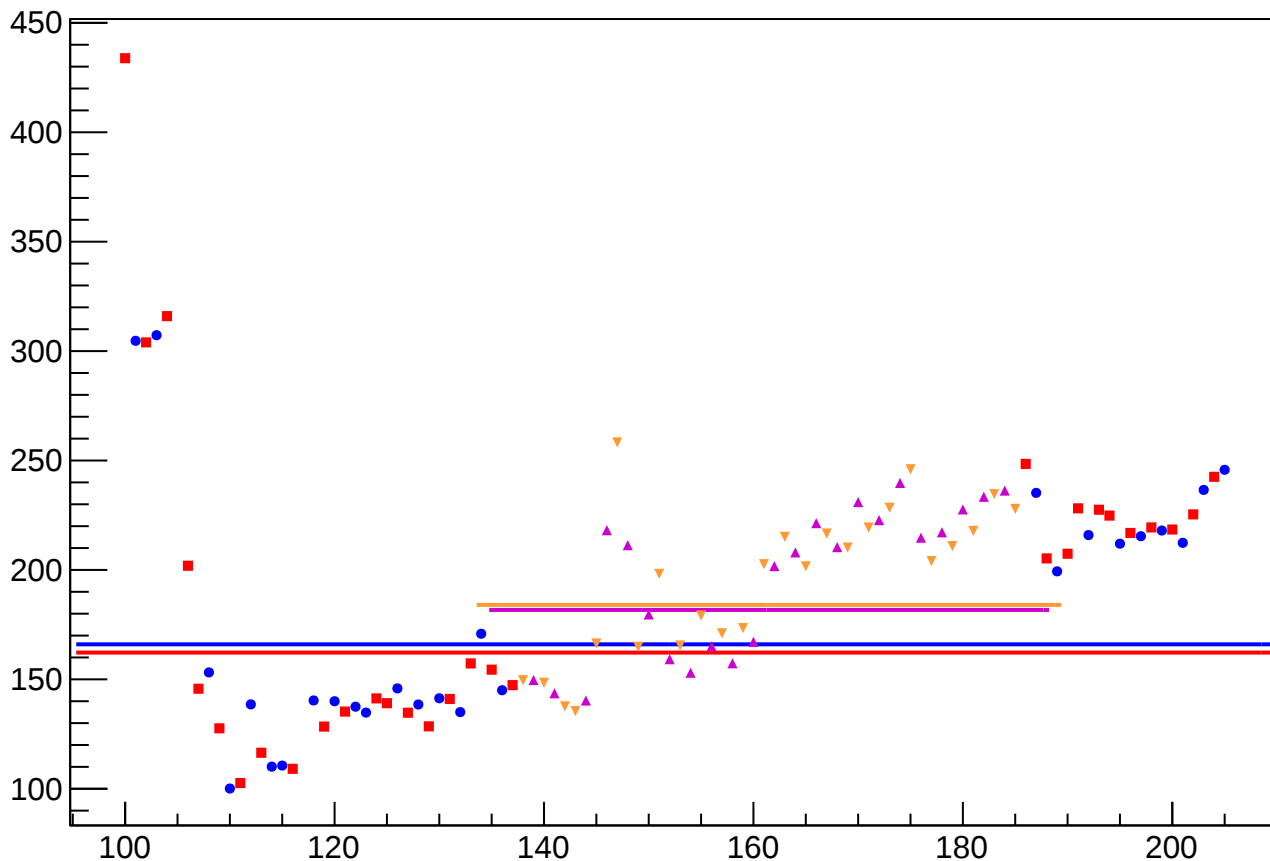
- sign 40.372+/-0.008 χ^2/NDF : 37265311.1/52

yield_bpm0l01WS_mean vs Slug



Right In: 124525.387 $\pm$ 0.049	χ^2 /NDF: 9839962596.1/25	+ sign 125221.065 $\pm$ 0.033	χ^2 /NDF: 16956684060.7
Left Out: 125790.126 $\pm$ 0.044	χ^2 /NDF: 6744310079.8/24	All: 125277.196 $\pm$ 0.023	χ^2 /NDF: 338071264.0
Right Out: 124680.580 $\pm$ 0.046	χ^2 /NDF: 10606638377.3/29	- sign 125331.066 $\pm$ 0.032	χ^2 /NDF: 16844633900.7
Left In: 125952.447 $\pm$ 0.045	χ^2 /NDF: 5841800367.5/22		

yield_bpm0l01WS_rms vs Slug



Right In: 166.003 $\pm$ 0.034 χ^2 /NDF: 1950673.1/25

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF:1126592.5/24

Right Out: 162.228 $\pm$ 0.032 χ^2 /NDF: 2430250.4/29

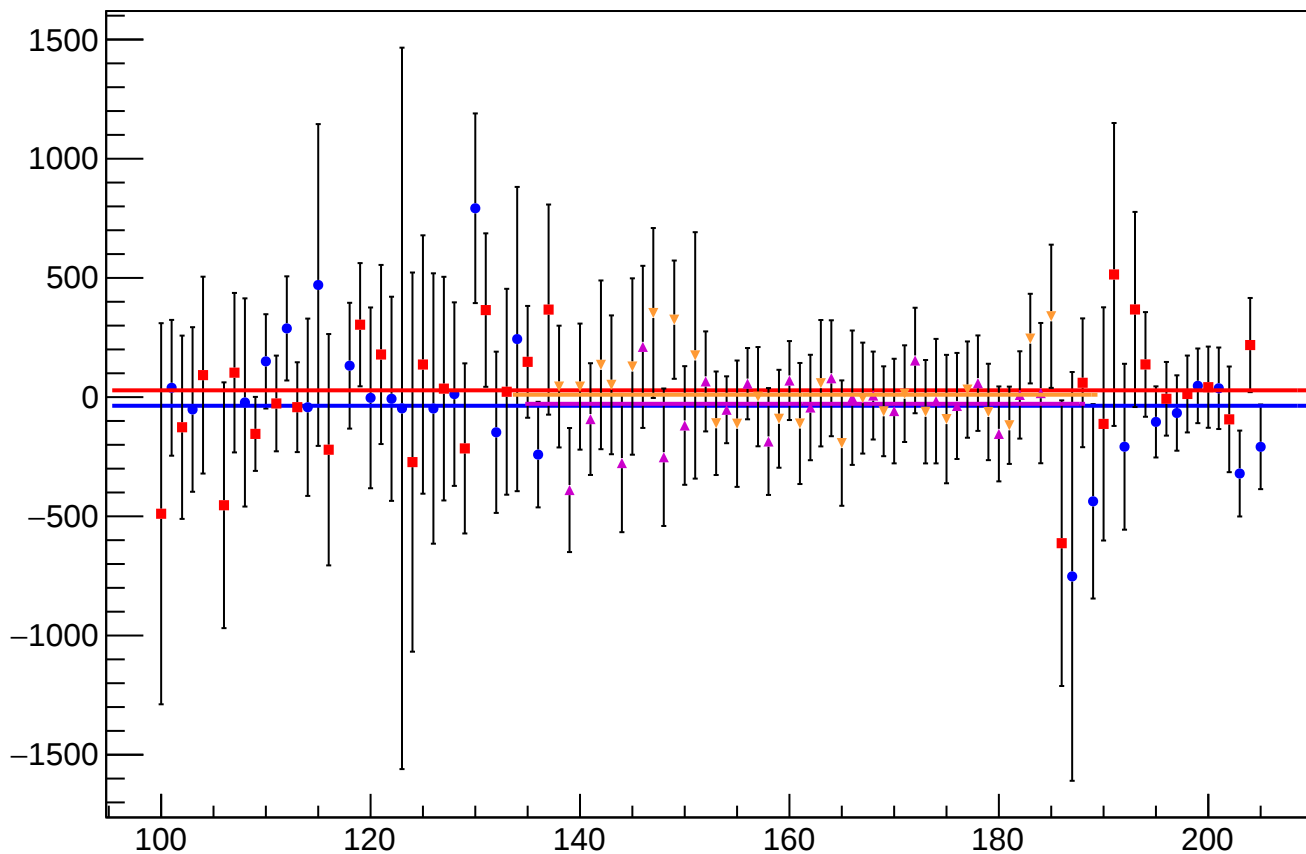
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF:1116142.0/22

+ sign 175.919 $\pm$ 0.023 χ^2 /NDF: 3228566.9/50

All: 174.018 $\pm$ 0.016 χ^2 /NDF: 6974273.5/103

- sign 172.194 $\pm$ 0.023 χ^2 /NDF: 3732387.3/52

asym_bcm_an_ds_mean vs Slug



Right In: -36.263 ± 50.310 χ^2/NDF : 15.7/25

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 28.514 ± 49.139 χ^2/NDF : 11.3/29

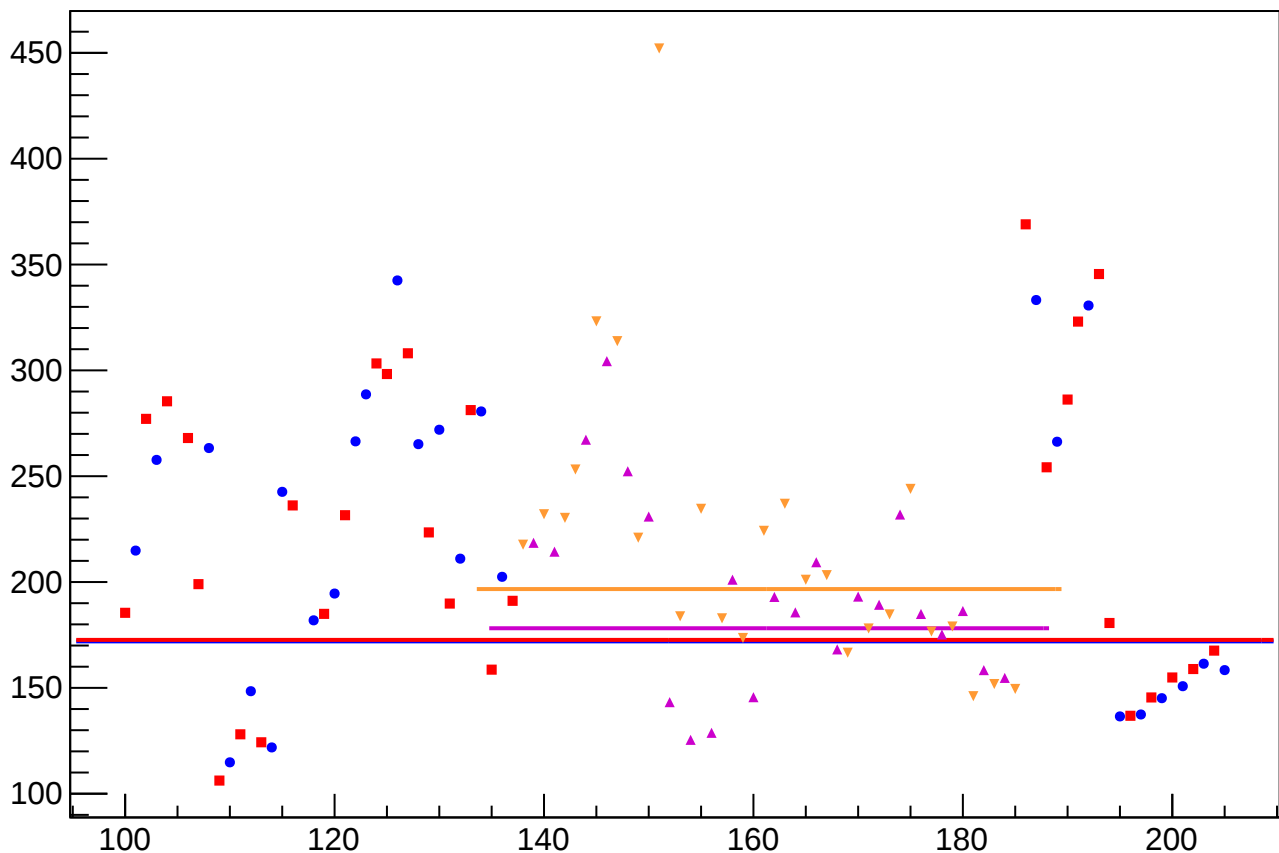
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -11.757 ± 34.534 χ^2/NDF : 24.6/50

All: -6.929 ± 23.864 χ^2/NDF : 43.7/103

- sign -2.517 ± 33.014 χ^2/NDF : 19.0/52

asym_bcm_an_ds_rms vs Slug



Right In: 171.970 $\pm$ 0.036 χ^2 /NDF: 2081114.0/25

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 172.667 $\pm$ 0.035 χ^2 /NDF: 2746481.5/29

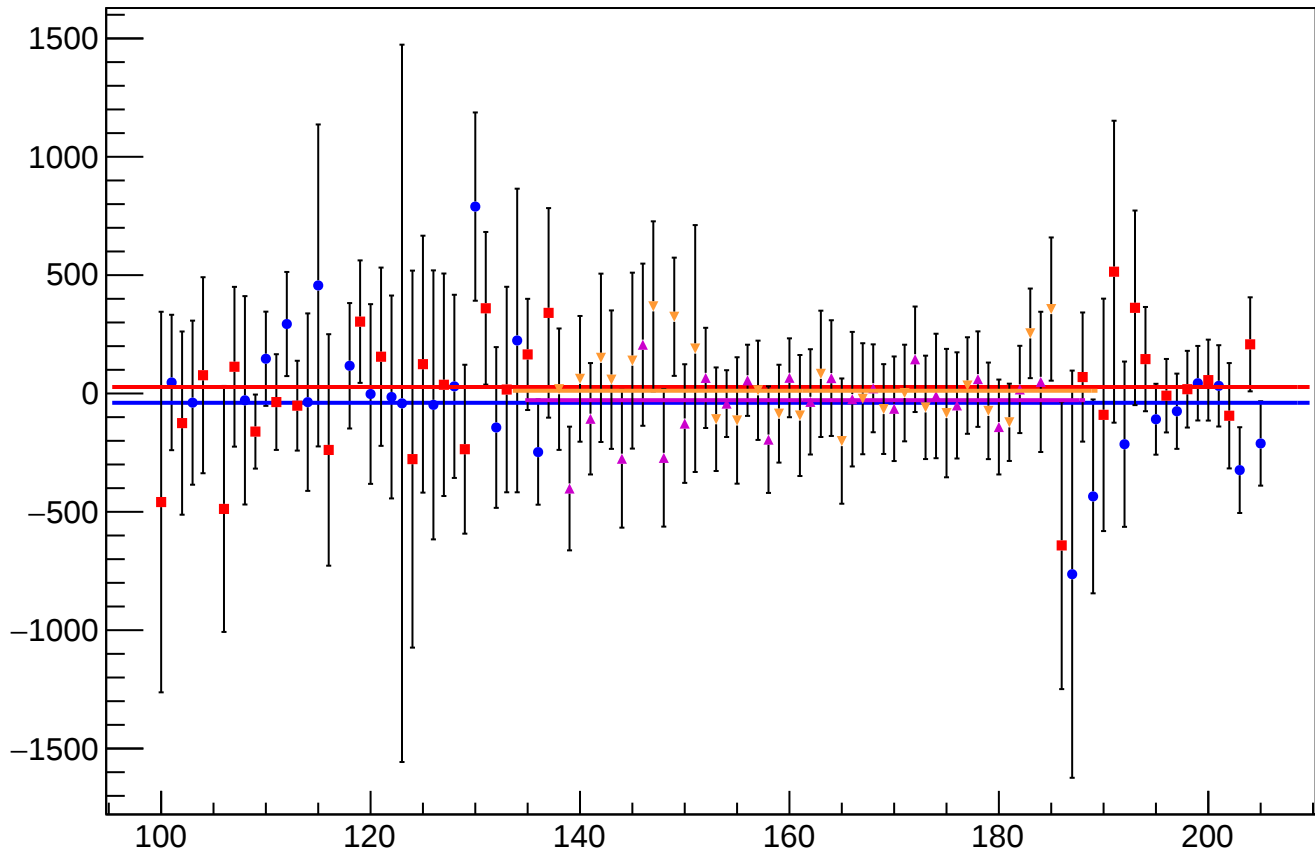
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 185.038 $\pm$ 0.024 χ^2 /NDF: 4119005.8/50

All: 180.151 $\pm$ 0.017 χ^2 /NDF: 8574868.7/103

- sign 175.684 $\pm$ 0.023 χ^2 /NDF: 4379187.0/52

asym_bcm_an_ds3_mean vs Slug



Right In: -39.338 ± 50.556 χ^2/NDF : 15.7/25

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 27.394 ± 49.392 χ^2/NDF : 11.5/29

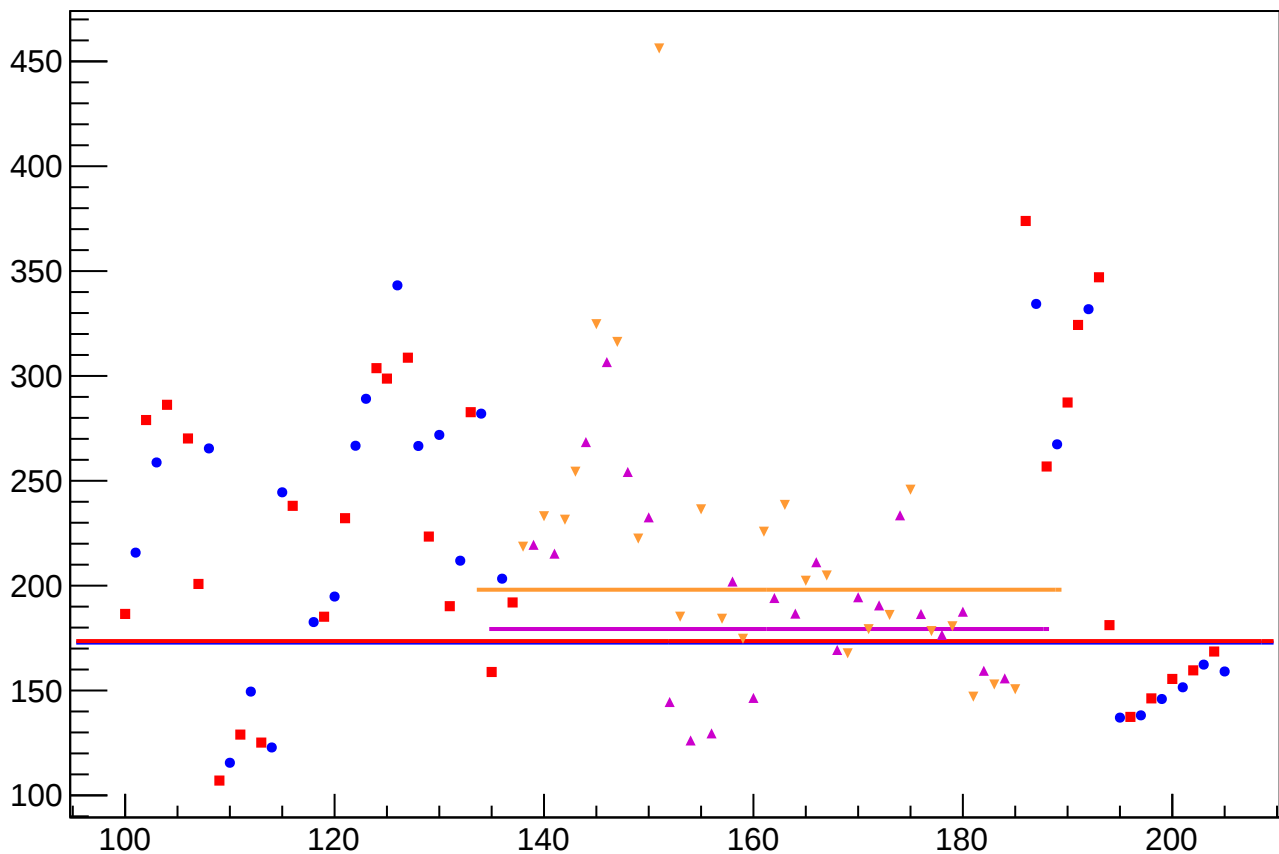
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -12.517 ± 34.740 χ^2/NDF : 25.0/50

All: -7.602 ± 24.005 χ^2/NDF : 44.4/103

- sign -3.112 ± 33.209 χ^2/NDF : 19.3/52

asym_bcm_an_ds3_rms vs Slug



Right In: 172.841 $\pm$ 0.036 χ^2 /NDF: 2071753.8/25

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 173.572 $\pm$ 0.035 χ^2 /NDF: 2741095.5/29

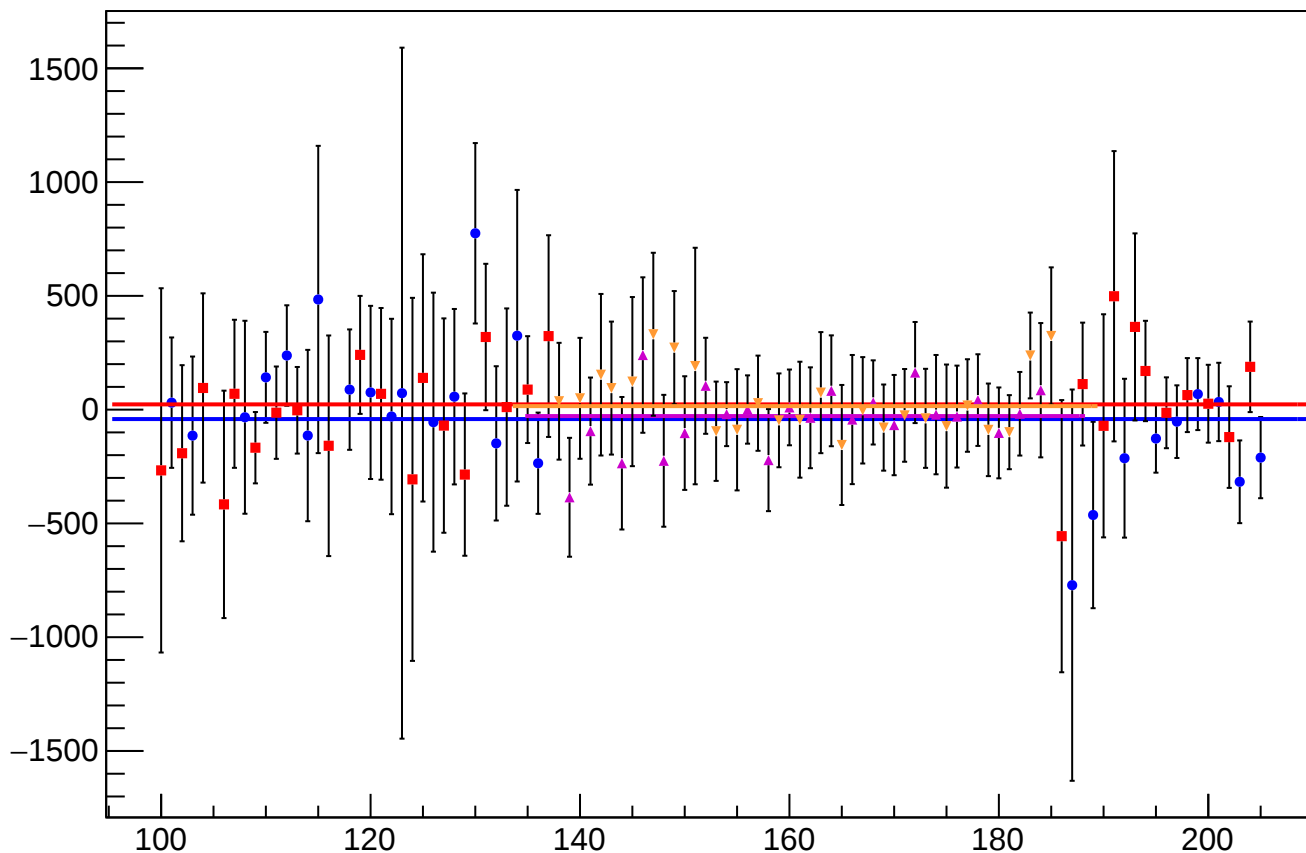
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 186.151 $\pm$ 0.025 χ^2 /NDF: 4112929.2/50

All: 181.225 $\pm$ 0.017 χ^2 /NDF: 8564103.7/103

- sign 176.724 $\pm$ 0.023 χ^2 /NDF: 4374221.7/52

asym_bcm_an_us_mean vs Slug



Right In: -41.420 ± 50.633 χ^2/NDF : 15.3/25

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 23.130 ± 49.389 χ^2/NDF : 10.0/29

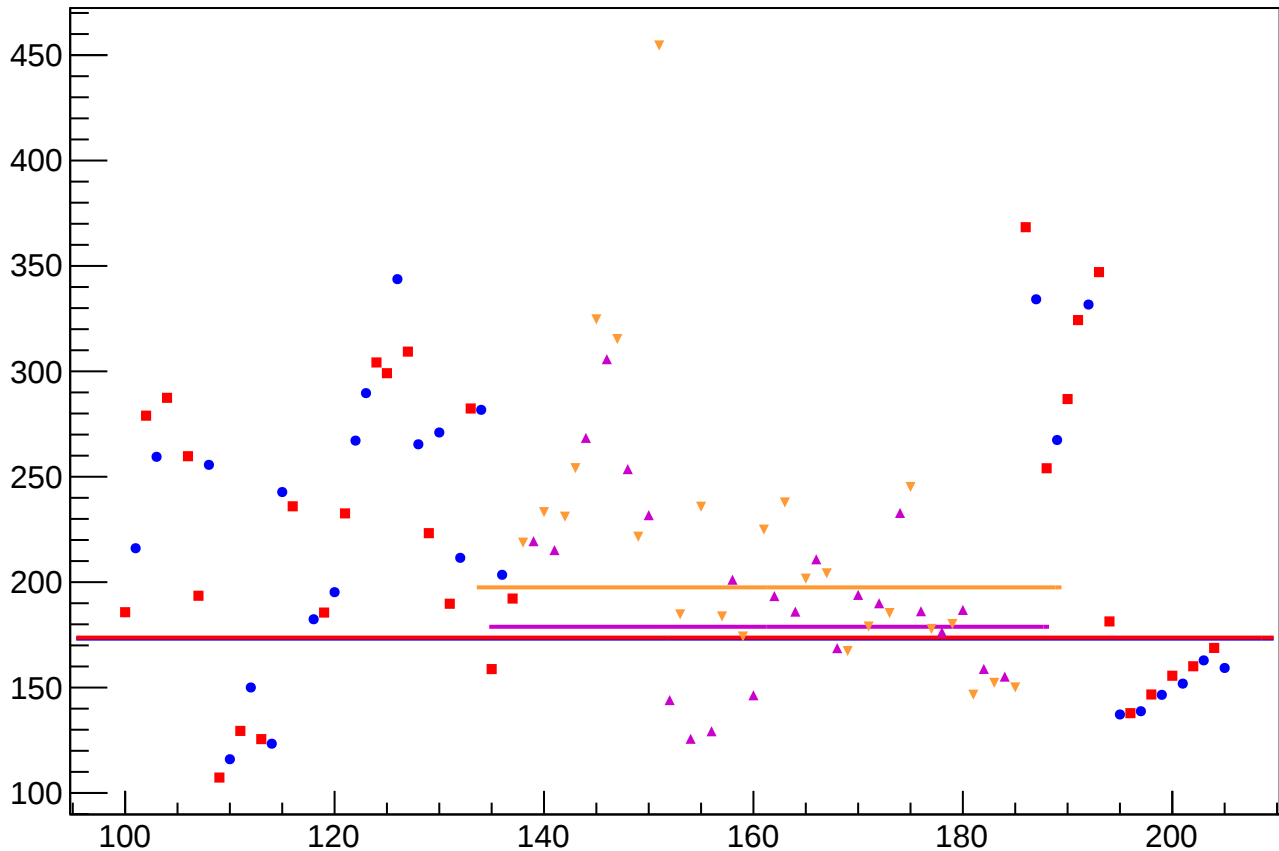
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign -11.294 ± 34.718 χ^2/NDF : 22.9/50

All: -8.057 ± 23.979 χ^2/NDF : 39.9/103

- sign -5.104 ± 33.159 χ^2/NDF : 17.0/52

asym_bcm_an_us_rms vs Slug



Right In: 173.219 ± 0.036 χ^2/NDF : 2040778.4/25

Left Out: 197.527 ± 0.034 χ^2/NDF : 1784225.5/24

Right Out: 173.711 ± 0.035 χ^2/NDF : 2696891.6/29

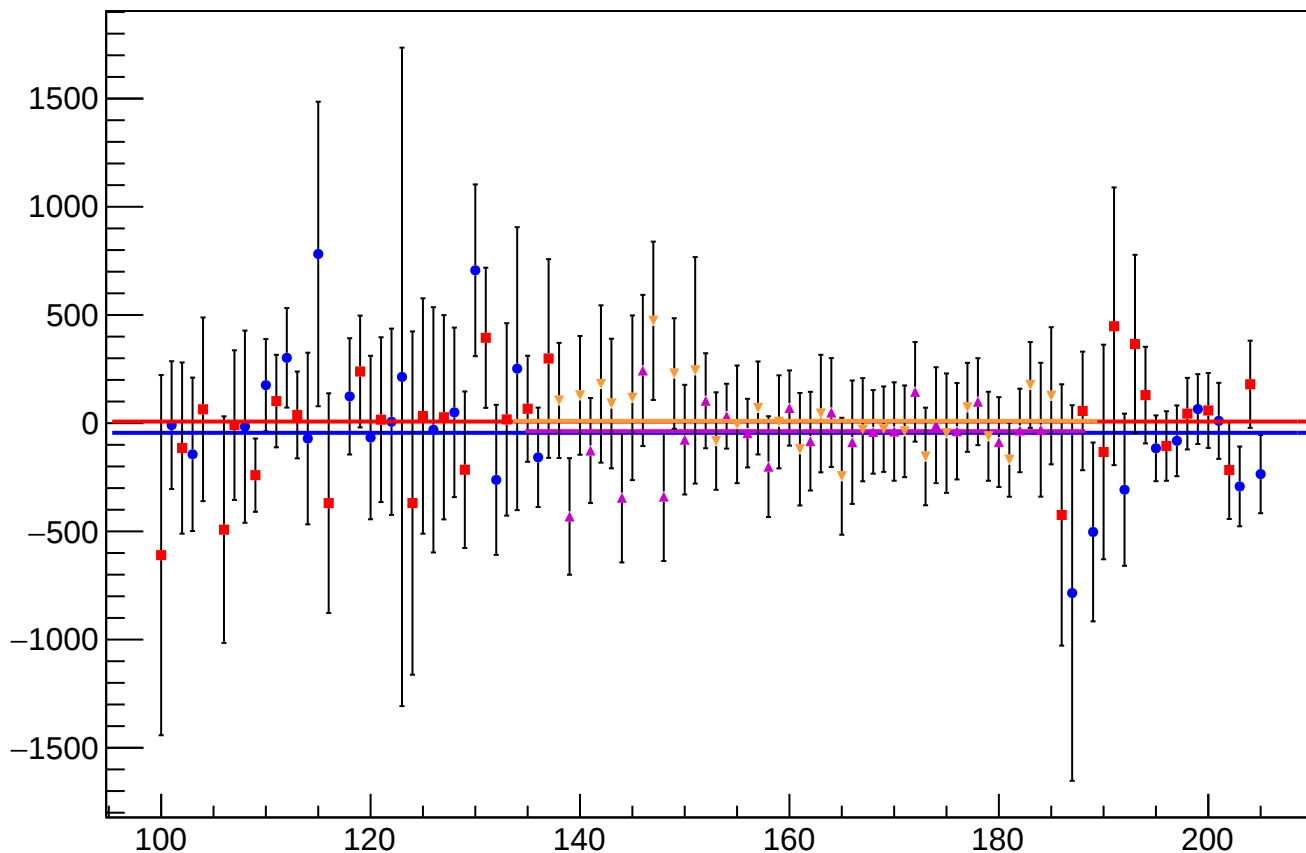
Left In: 178.836 ± 0.032 χ^2/NDF : 1622266.9/22

+ sign 186.099 ± 0.025 χ^2/NDF : 4069258.3/50

All: 181.092 ± 0.017 χ^2/NDF : 8479772.7/103

- sign 176.525 ± 0.023 χ^2/NDF : 4330987.2/52

asym_bcm_dg_us_mean vs Slug



Right In: -44.501 ± 51.792 χ^2/NDF : 16.0/25

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 7.451 ± 50.822 χ^2/NDF : 12.3/29

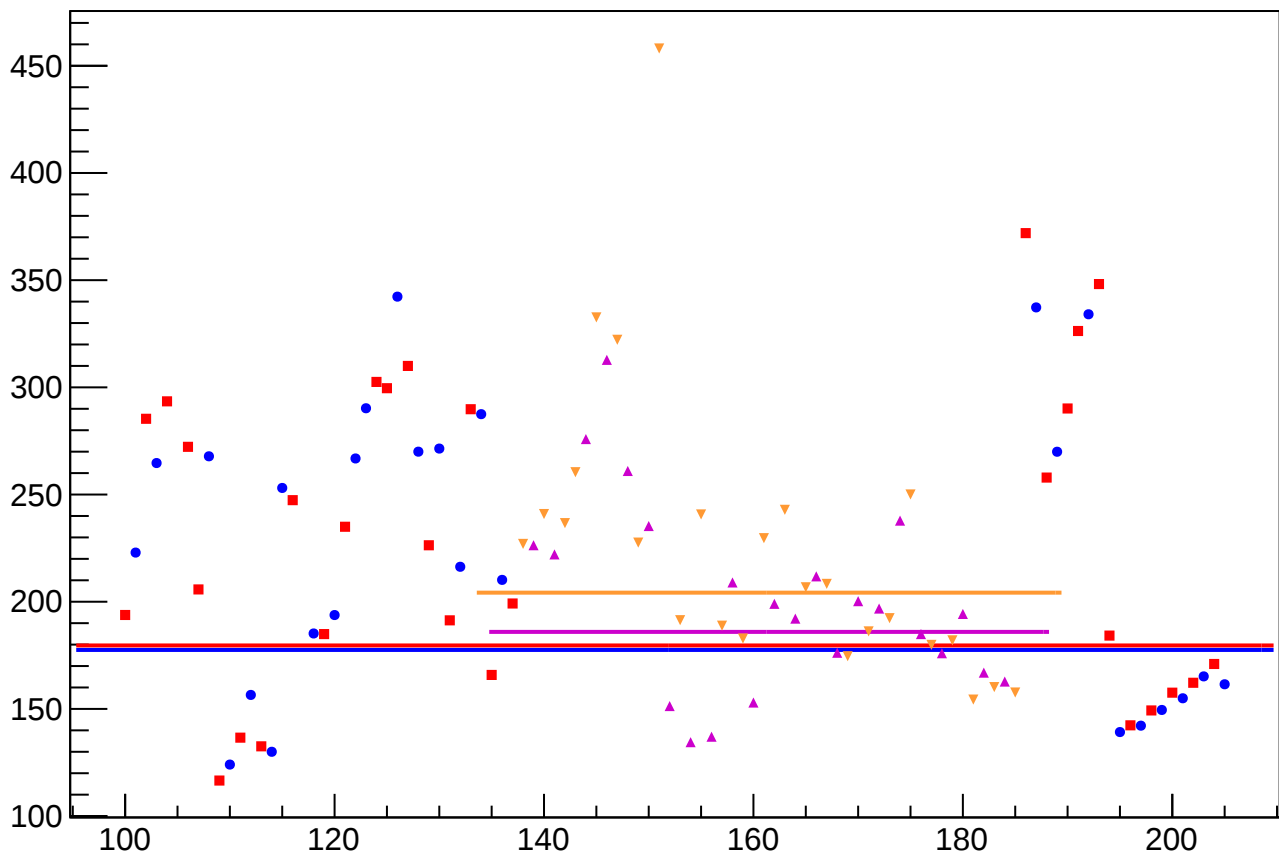
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -15.570 ± 35.669 χ^2/NDF : 24.1/50

All: -16.216 ± 24.705 χ^2/NDF : 44.6/103

- sign -16.812 ± 34.249 χ^2/NDF : 20.6/52

asym_bcm_dg_us_rms vs Slug



Right In: 177.506 $\pm$ 0.037 χ^2 /NDF: 1965329.9/25

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 179.603 $\pm$ 0.036 χ^2 /NDF: 2503015.5/29

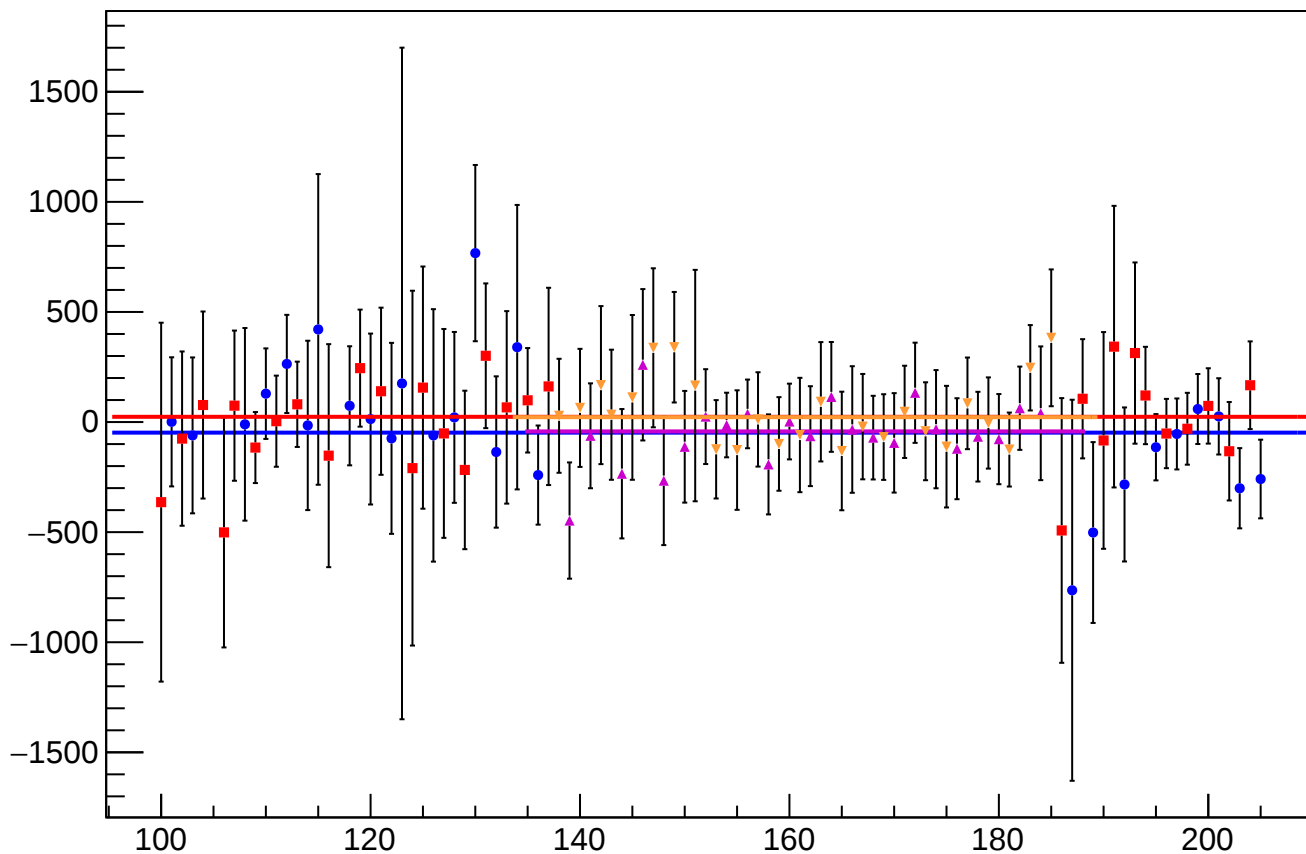
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 191.557 $\pm$ 0.025 χ^2 /NDF: 3921037.3/50

All: 187.135 $\pm$ 0.017 χ^2 /NDF: 7960135.0/103

- sign 183.057 $\pm$ 0.024 χ^2 /NDF: 3980006.4/52

asym_bcm_dg_ds_mean vs Slug



Right In: -48.091 ± 51.137 χ^2/NDF : 15.3/25

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 23.814 ± 50.000 χ^2/NDF : 7.9/29

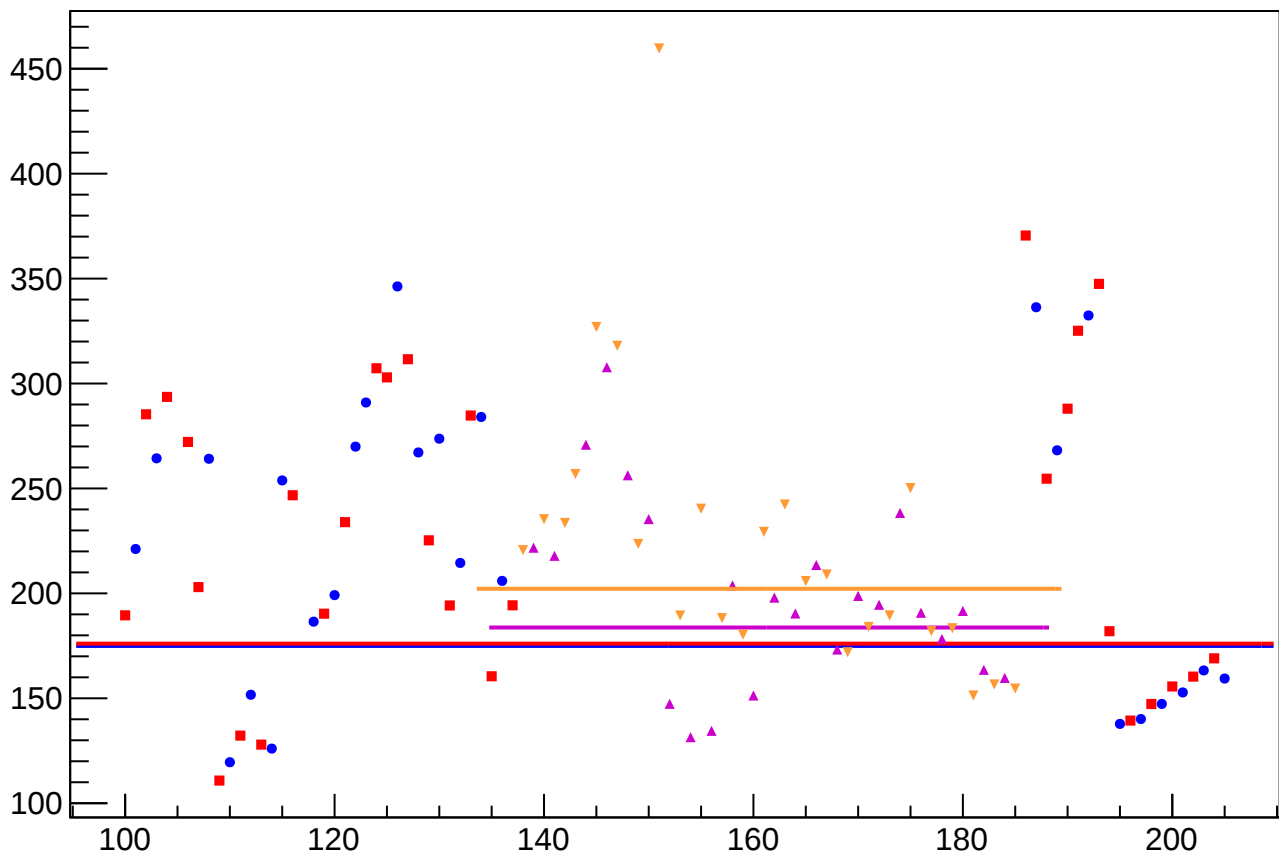
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -11.264 ± 35.281 χ^2/NDF : 24.6/50

All: -11.737 ± 24.406 χ^2/NDF : 40.2/103

- sign -12.172 ± 33.797 χ^2/NDF : 15.6/52

asym_bcm_dg_ds_rms vs Slug



Right In: 174.959 $\pm$ 0.036 χ^2 /NDF: 2048062.6/25

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF:1696571.9/24

Right Out: 176.048 $\pm$ 0.035 χ^2 /NDF: 2669991.6/29

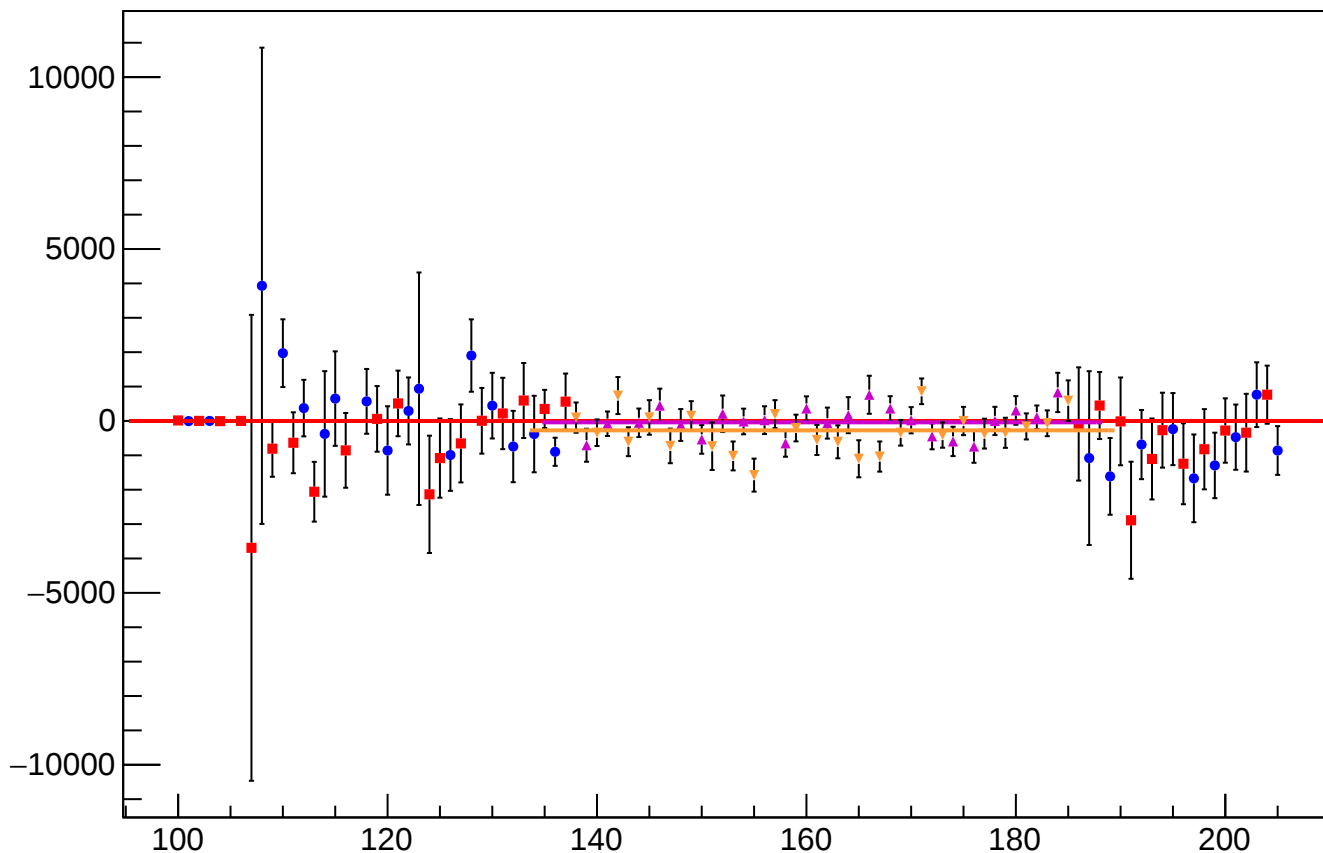
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF:1495930.4/22

+ sign 189.226 $\pm$ 0.025 χ^2 /NDF: 4041719.8/50

All: 184.530 $\pm$ 0.017 χ^2 /NDF: 8301245.5/103

- sign 180.221 $\pm$ 0.024 χ^2 /NDF: 4191578.4/52

asym_cav4bQ_mean vs Slug



Right In: -1.560 ± 2.251 χ^2/NDF : 25.6/25

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.742 ± 2.111 χ^2/NDF : 24.9/29

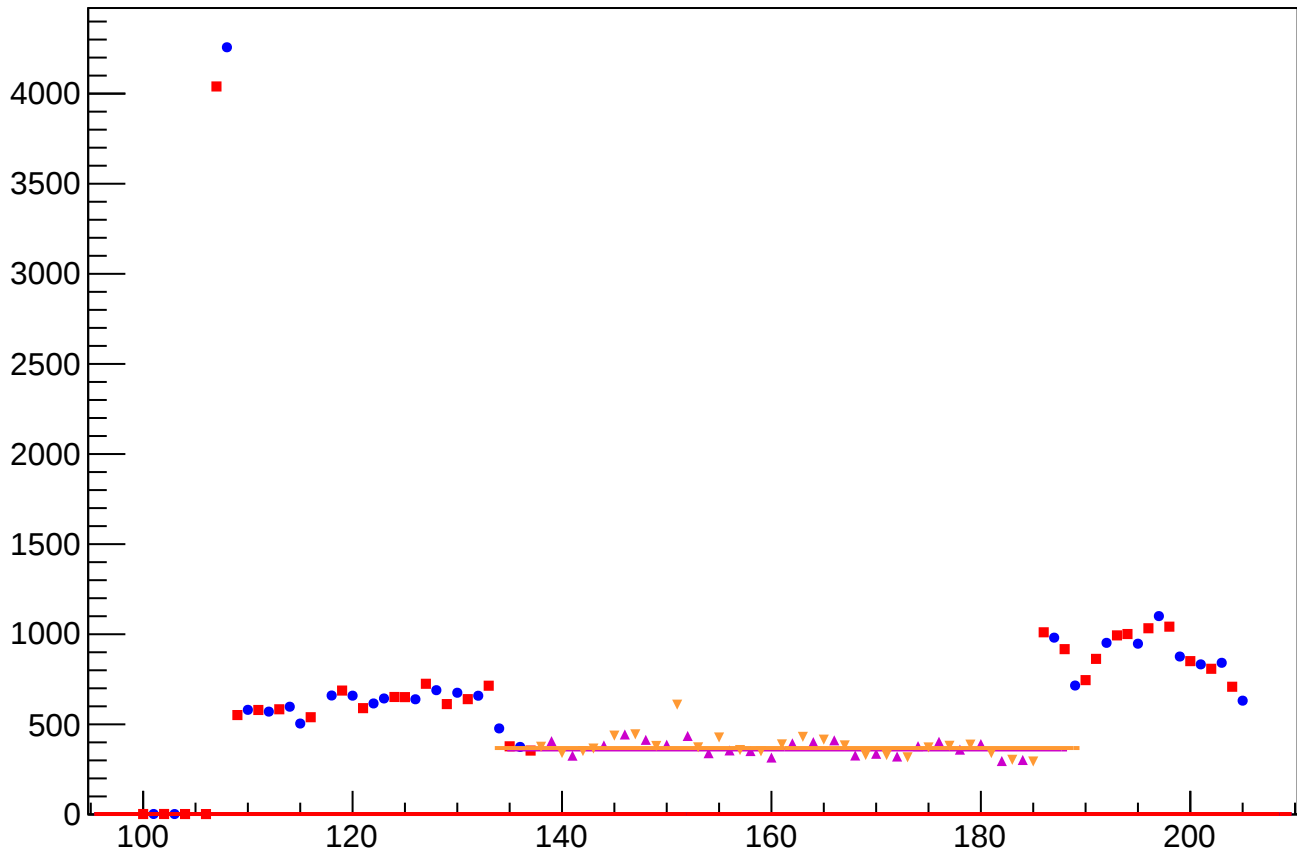
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.742 ± 2.251 χ^2/NDF : 73.7/50

All: -1.223 ± 1.539 χ^2/NDF : 119.1/103

- sign -0.765 ± 2.110 χ^2/NDF : 45.2/52

asym_cav4bQ_rms vs Slug



Right In: 2.493 $\pm$ 0.002 χ^2 /NDF: 23050800.6/25

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF:623011.6/24

Right Out: 2.471 $\pm$ 0.001 χ^2 /NDF: 25073263.2/29

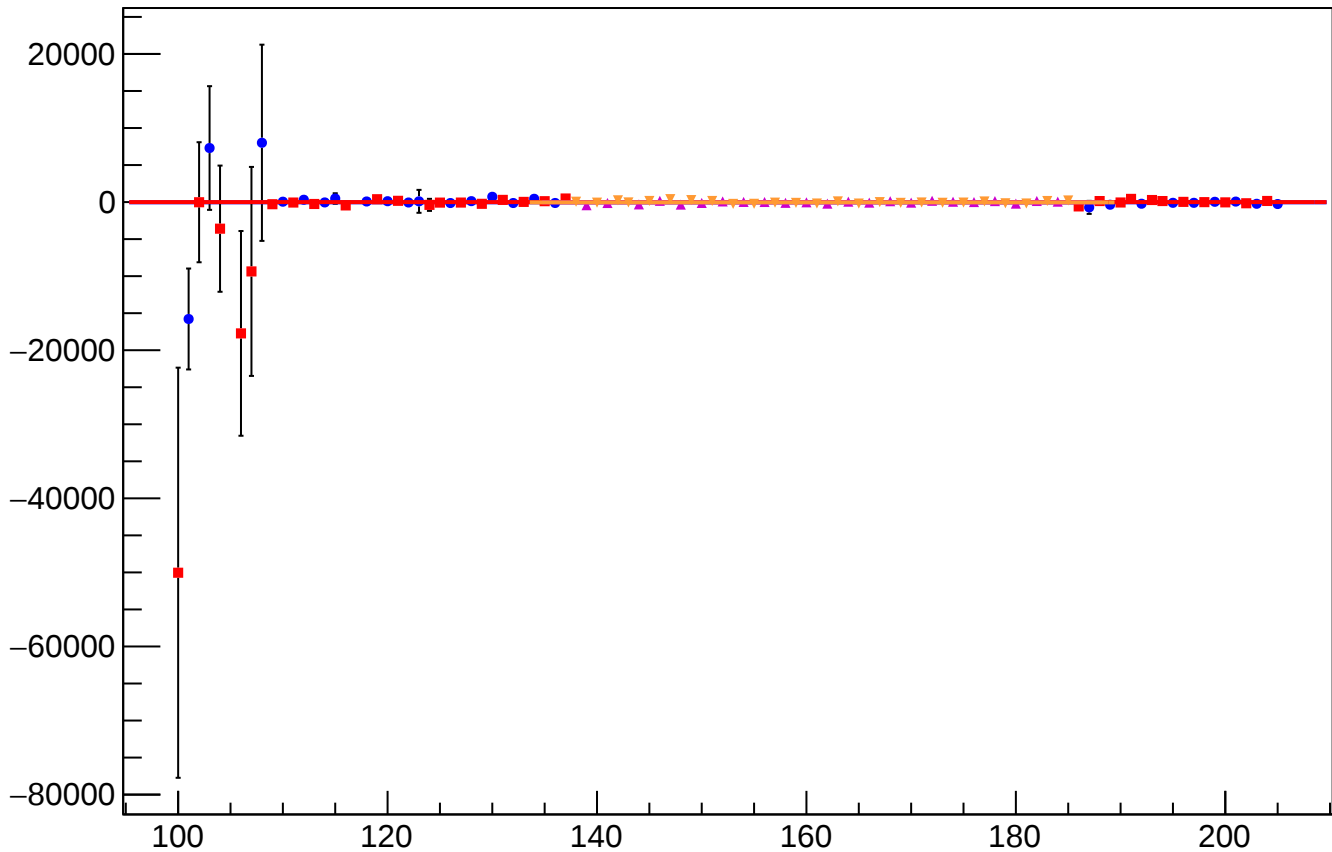
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF:421995.5/22

+ sign 2.738 $\pm$ 0.002 χ^2 /NDF: 59153948.7/50

All: 2.707 $\pm$ 0.001 χ^2 /NDF: 118151793.5/103

- sign 2.679 $\pm$ 0.001 χ^2 /NDF: 58997113.5/52

asym_cav4cQ_mean vs Slug



Right In: -30.195 ± 56.212 χ^2/NDF : 18.8/25

Left Out: -39.036 ± 49.576 χ^2/NDF : 9.1/24

Right Out: -1.292 ± 56.013 χ^2/NDF : 17.7/29

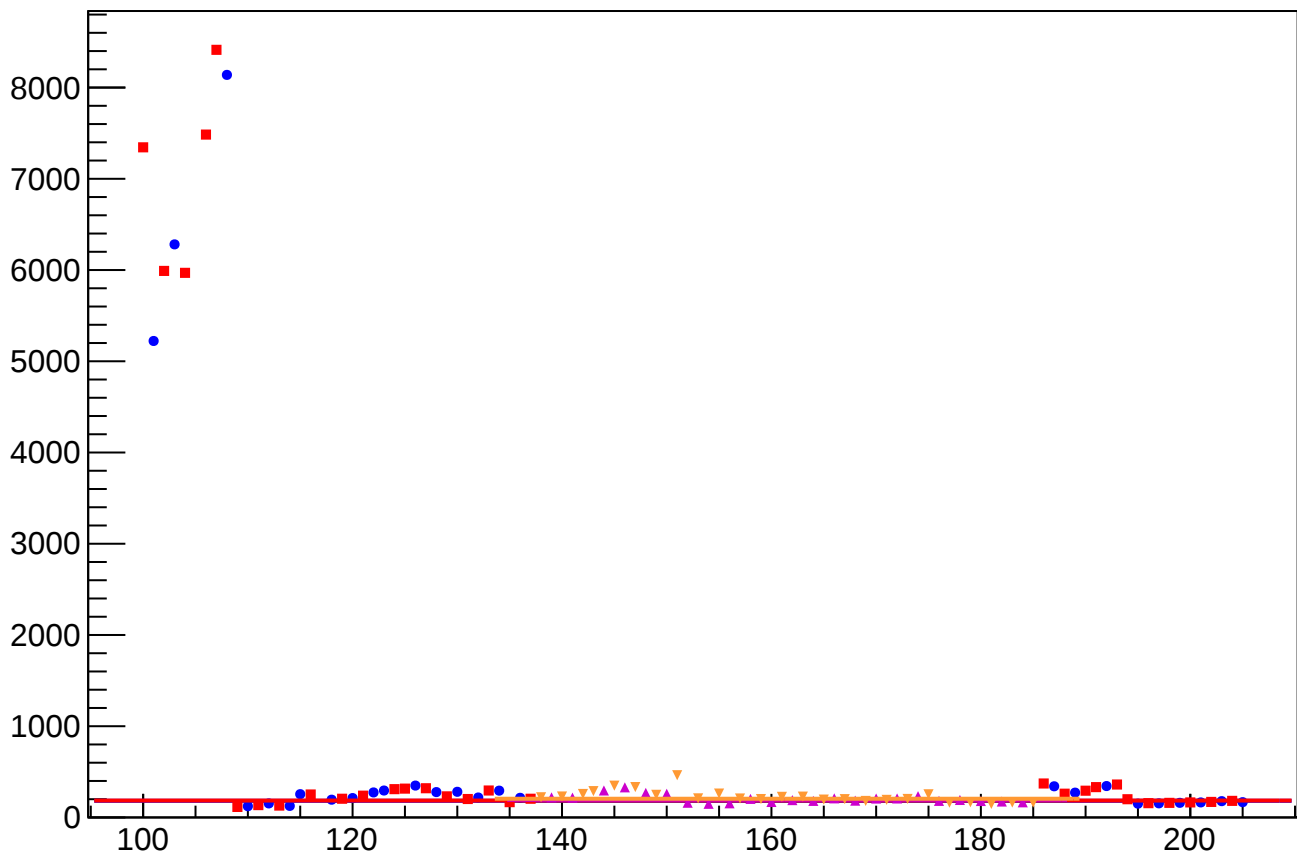
Left In: -28.062 ± 48.032 χ^2/NDF : 9.6/22

+ sign -35.168 ± 37.181 χ^2/NDF : 28.0/50

All: -25.763 ± 26.033 χ^2/NDF : 55.5/103

- sign -16.718 ± 36.462 χ^2/NDF : 27.5/52

asym_cav4cQ_rms vs Slug



Right In: 182.378+/-0.040 χ^2/NDF : 4494809.0/25

Left Out: 205.114+/-0.035 χ^2/NDF :1957484.4/24

Right Out: 185.336+/-0.040 χ^2/NDF : 5330820.6/29

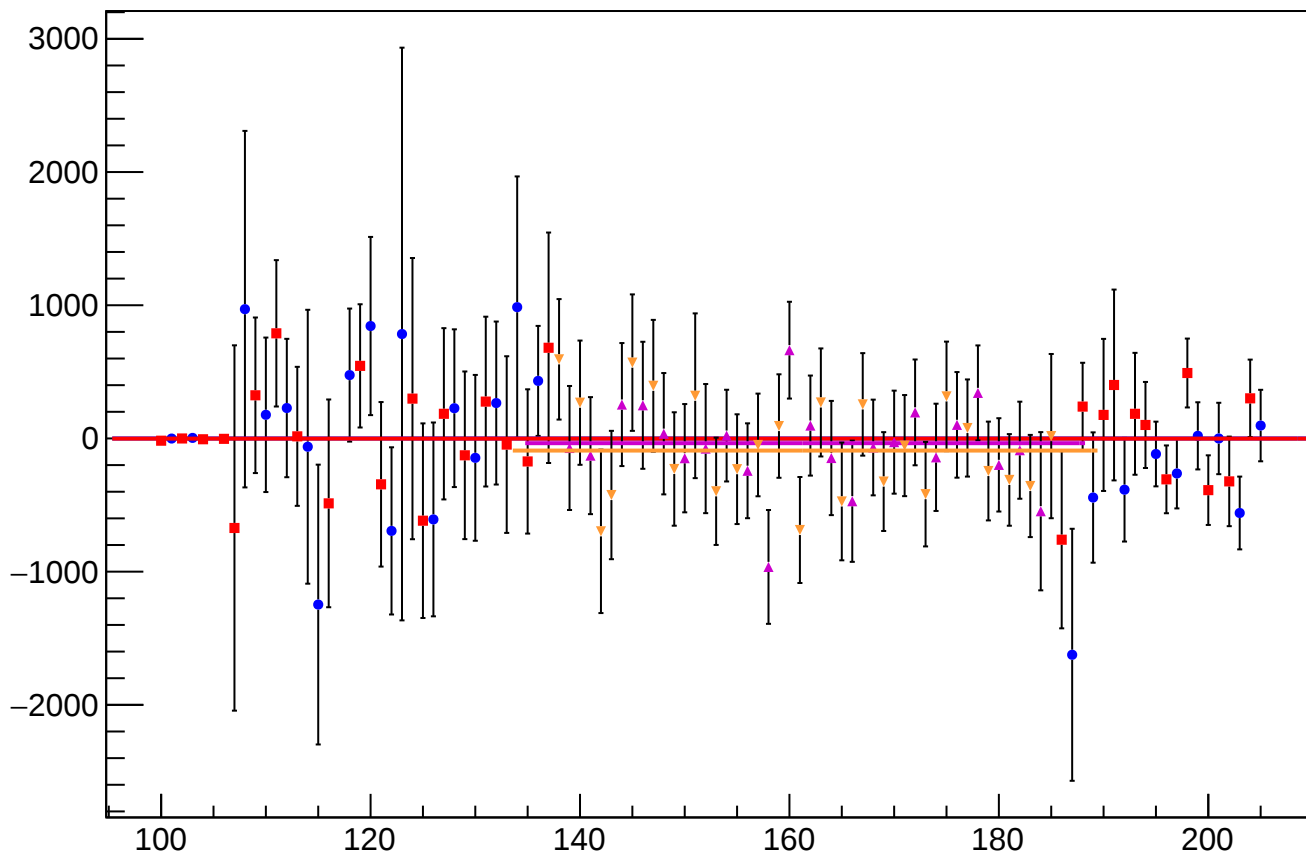
Left In: 193.616+/-0.034 χ^2/NDF :1179471.1/22

+ sign 195.166+/-0.026 χ^2/NDF : 6636329.1/50

All: 192.588+/-0.018 χ^2/NDF : 13190677.0/10

- sign 190.108+/-0.026 χ^2/NDF : 6535474.7/52

asym_cav4dQ_mean vs Slug



Right In: -0.195 ± 1.736 χ^2/NDF : 20.4/25

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.319 ± 1.622 χ^2/NDF : 21.0/29

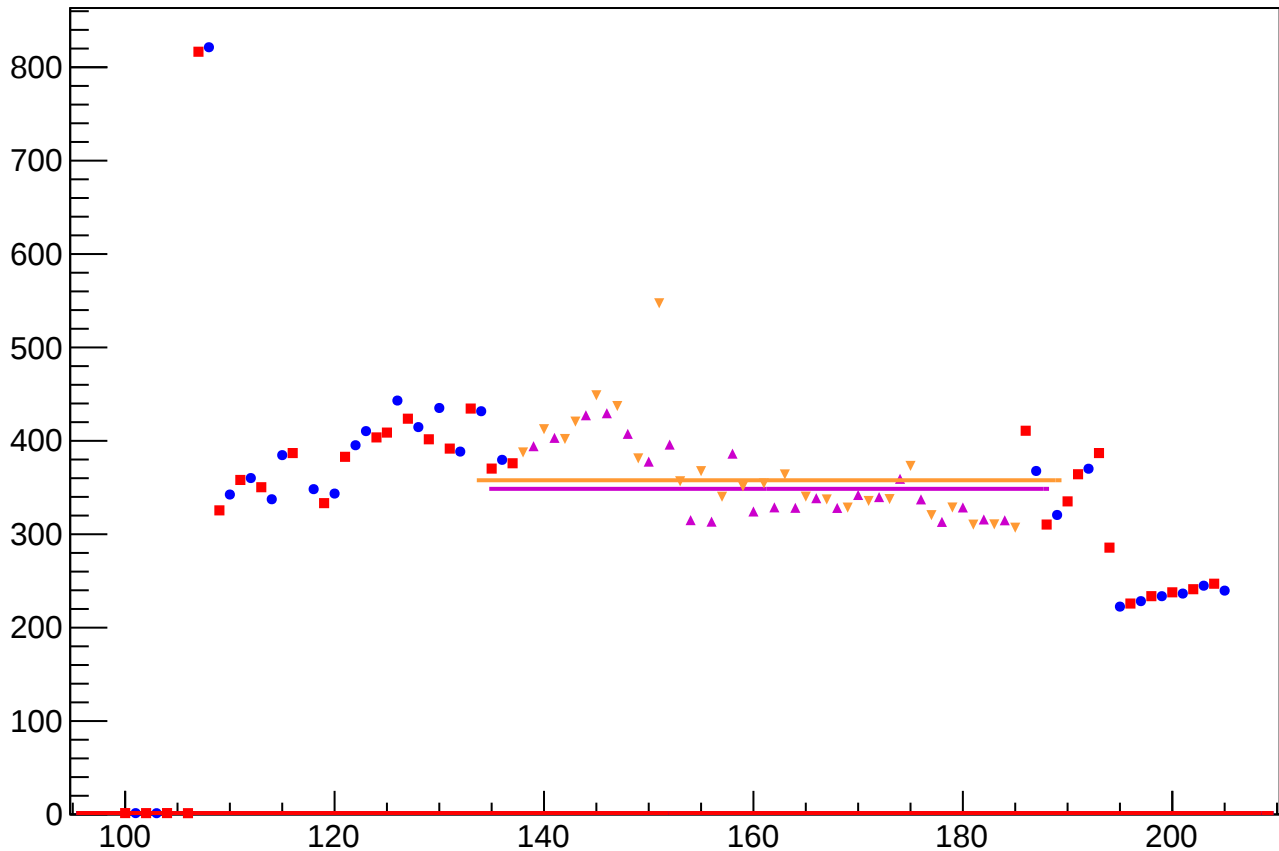
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.233 ± 1.736 χ^2/NDF : 38.0/50

All: -0.820 ± 1.185 χ^2/NDF : 72.9/103

- sign -1.332 ± 1.622 χ^2/NDF : 34.6/52

asym_cav4dQ_rms vs Slug



Right In: 1.526 ± 0.001 χ^2/NDF : 23267420.3/25

Left Out: 357.804 ± 0.059 χ^2/NDF : 547036.5/24

Right Out: 1.518 ± 0.001 χ^2/NDF : 24760366.3/29

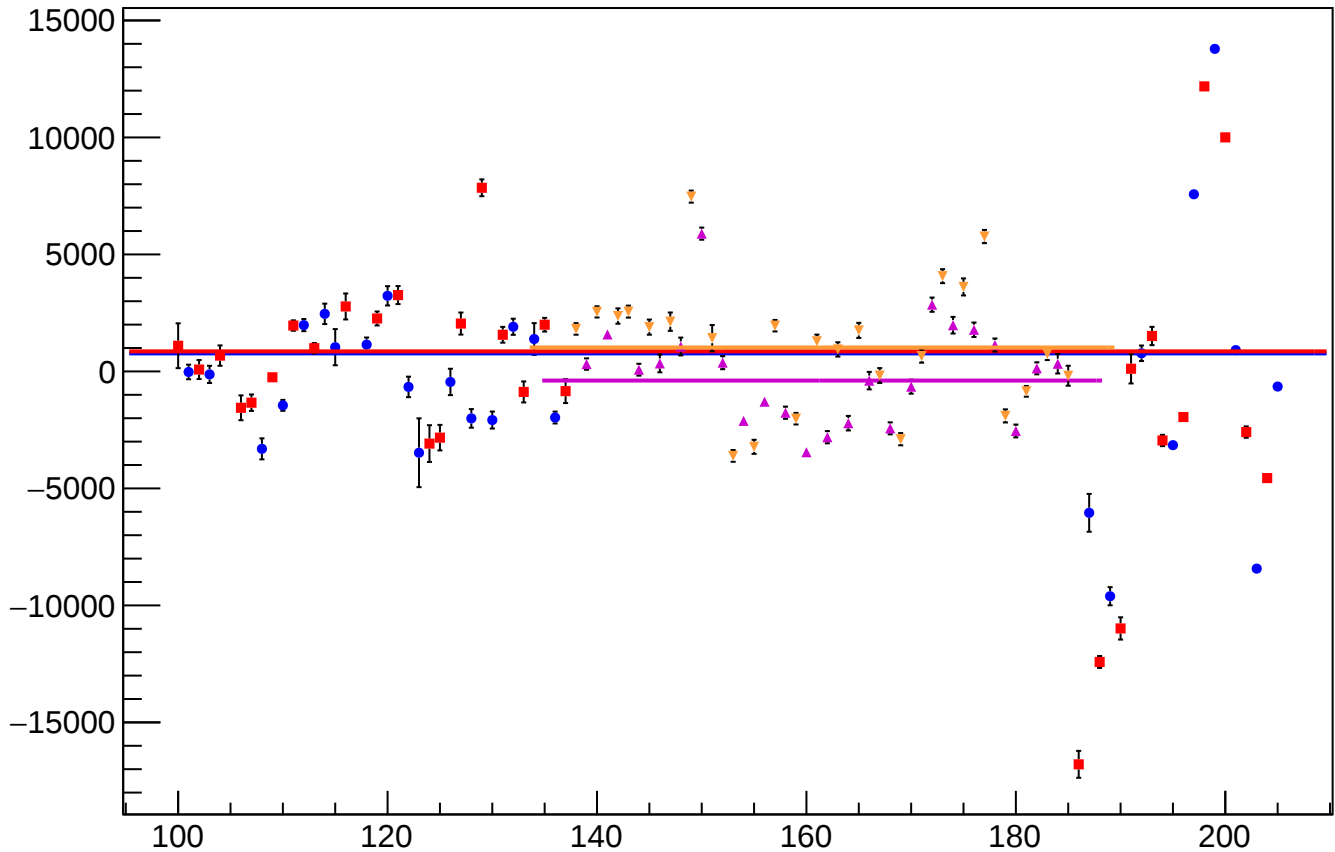
Left In: 348.611 ± 0.060 χ^2/NDF : 362511.2/22

+ sign 1.678 ± 0.001 χ^2/NDF : 59710903.7/50

All: 1.661 ± 0.001 χ^2/NDF : 118660716.1/103

- sign 1.646 ± 0.001 χ^2/NDF : 58949446.9/52

asym_bcm0l02_mean vs Slug



Right In: 770.515 $\pm$ 55.810 χ^2 /NDF: 10839.2/25

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF: 2309.4/24

Right Out: 857.455 $\pm$ 54.186 χ^2 /NDF: 12630.4/29

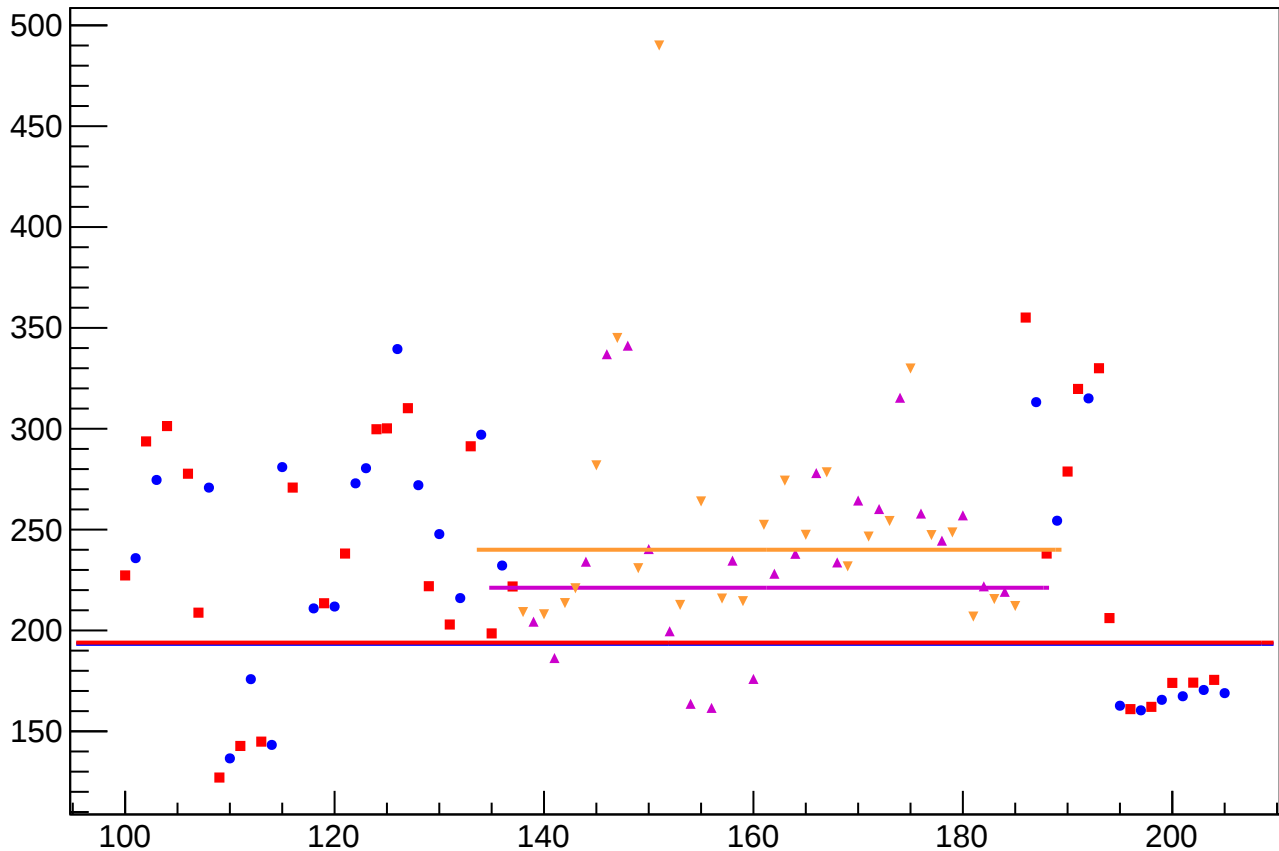
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 893.563 $\pm$ 39.993 χ^2 /NDF: 13158.5/50

All: 556.100 $\pm$ 27.765 χ^2 /NDF: 27772.8/103

- sign 242.124 $\pm$ 38.576 χ^2 /NDF: 14476.8/52

asym_bcm0l02_rms vs Slug



Right In: 193.351 $\pm$ 0.039 χ^2 /NDF: 1450212.4/25

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 193.972 $\pm$ 0.038 χ^2 /NDF: 1978858.5/29

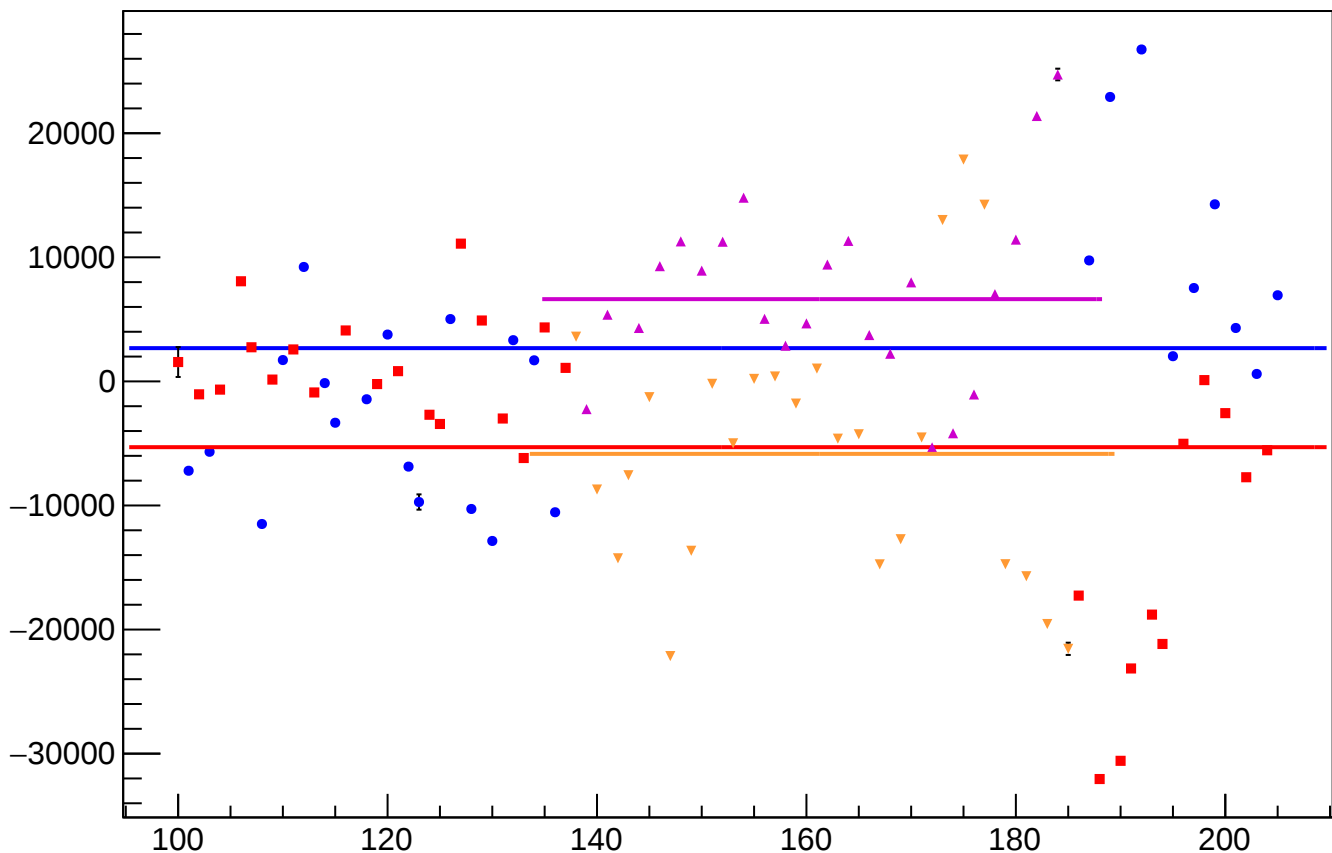
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 216.055 $\pm$ 0.028 χ^2 /NDF: 3132989.6/50

All: 211.565 $\pm$ 0.020 χ^2 /NDF: 6751584.9/103

- sign 207.387 $\pm$ 0.027 χ^2 /NDF: 3569924.8/52

asym_bpm2i01WS_mean vs Slug



Right In: 2679.912 $\pm$ 37.306 χ^2 /NDF: 77967.2/25

Left Out: -5841.615 $\pm$ 35.848 χ^2 /NDF: 63397.3/24

Right Out: -5301.523 $\pm$ 35.149 χ^2 /NDF: 101429.3/29

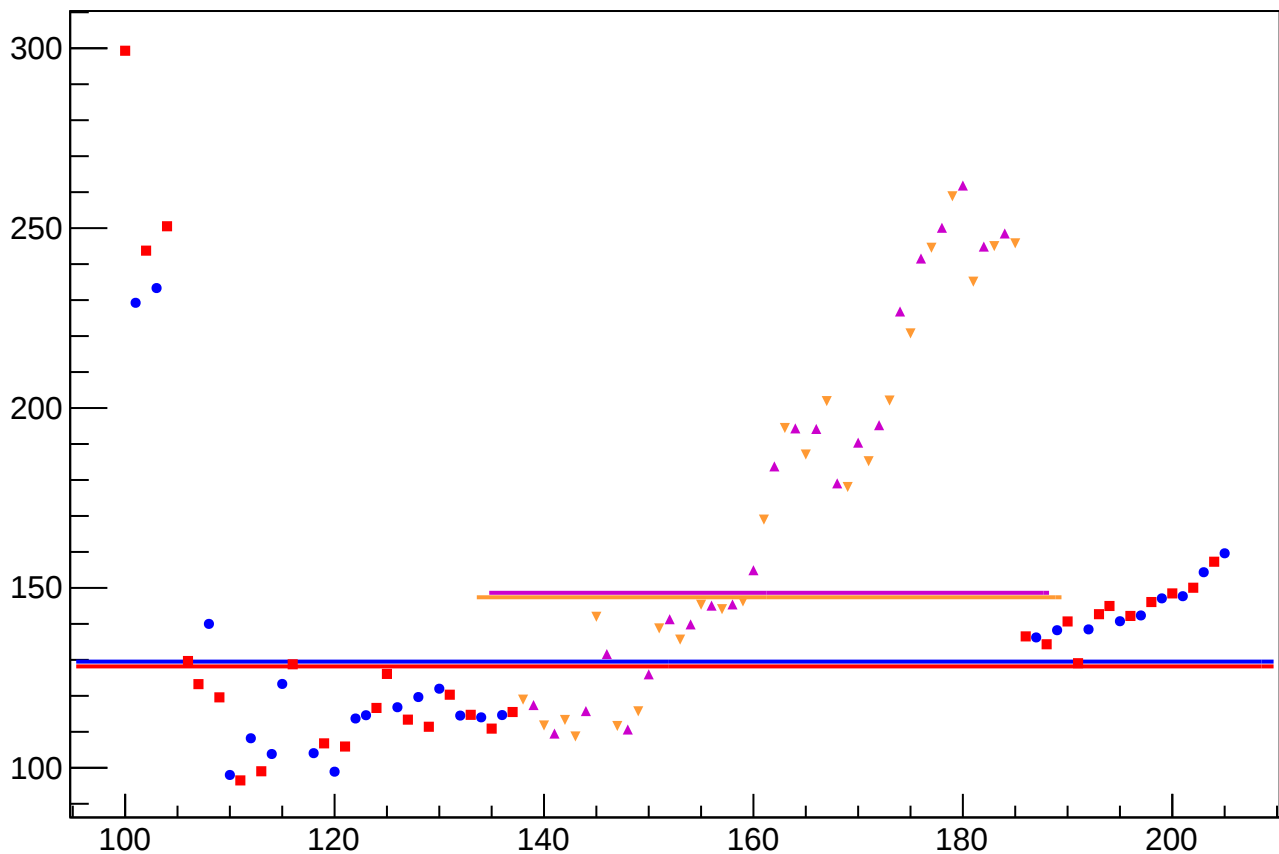
Left In: 6628.388 $\pm$ 37.160 χ^2 /NDF: 21738.0/22

+ sign -1750.682 $\pm$ 25.848 χ^2 /NDF: 168492.6/50

All: -696.694 $\pm$ 18.166 χ^2 /NDF: 349342.6/10

- sign 331.945 $\pm$ 25.536 χ^2 /NDF: 177564.7/52

asym_bpm2i01WS_rms vs Slug



Right In: 129.519+/-0.026 χ^2/NDF : 924292.3/25

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 128.180+/-0.025 χ^2/NDF : 998753.8/29

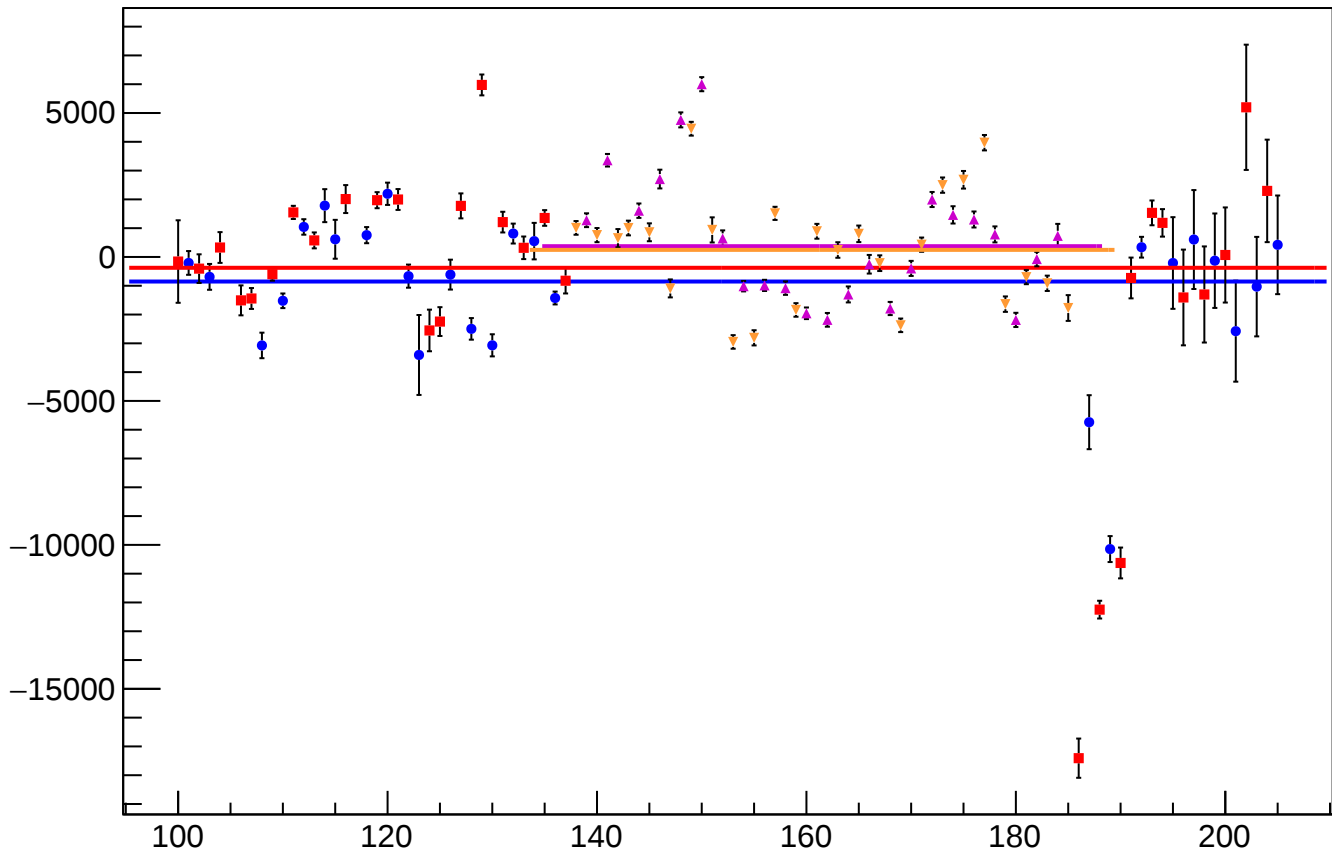
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 138.814+/-0.018 χ^2/NDF : 3680174.9/50

All: 138.322+/-0.013 χ^2/NDF : 7415938.0/103

- sign 137.843+/-0.018 χ^2/NDF : 3734334.2/52

asym_bpm0i07WS_mean vs Slug



Right In: -853.136 ± 84.221 χ^2/NDF : 762.0/25

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -376.092 ± 75.096 χ^2/NDF : 3169.7/29

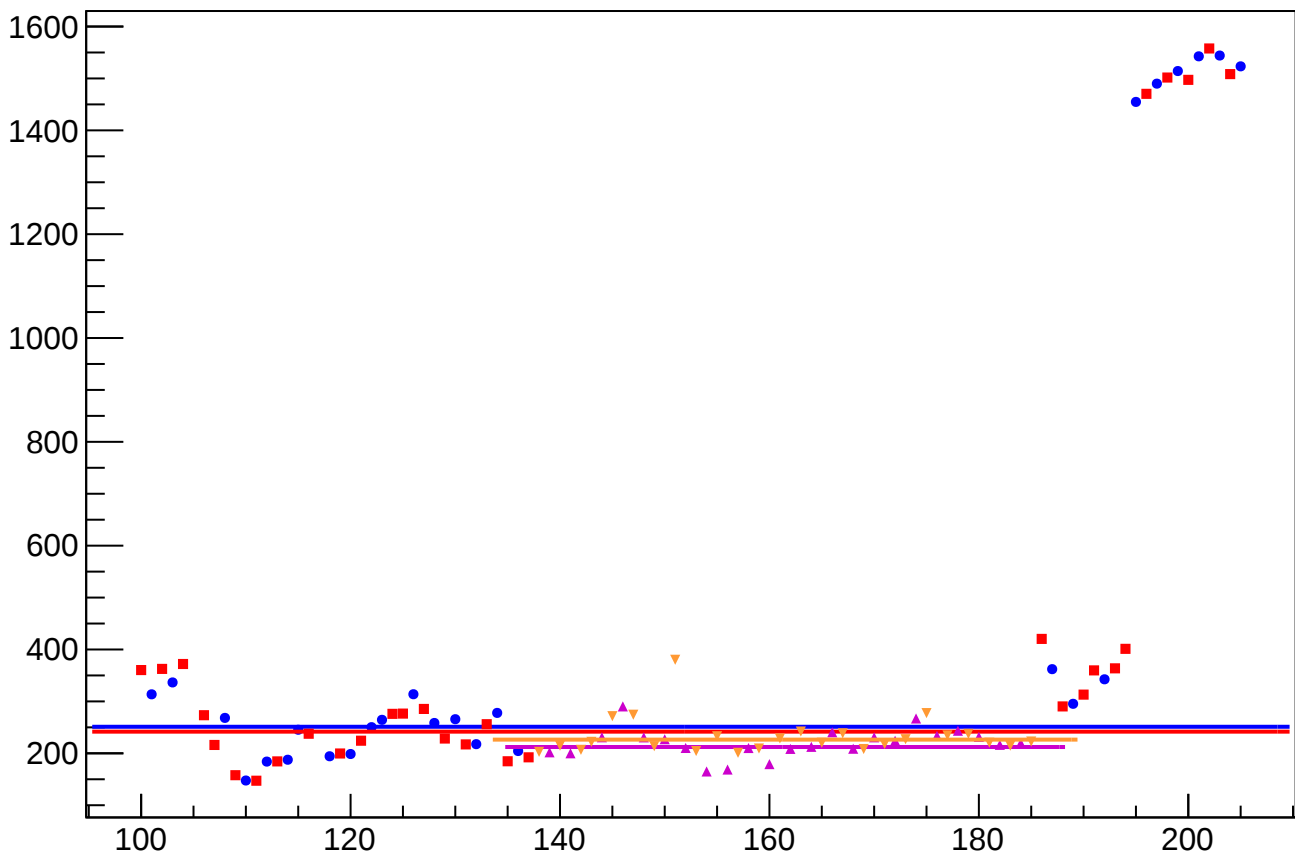
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -69.852 ± 45.154 χ^2/NDF : 2238.2/50

All: 36.675 ± 31.021 χ^2/NDF : 7284.3/103

- sign 131.899 ± 42.691 χ^2/NDF : 5035.6/52

asym_bpm0i07WS_rms vs Slug



Right In: 251.141 $\pm$ 0.060 χ^2 /NDF: 7716364.2/25

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 241.742 $\pm$ 0.053 χ^2 /NDF: 6981457.3/29

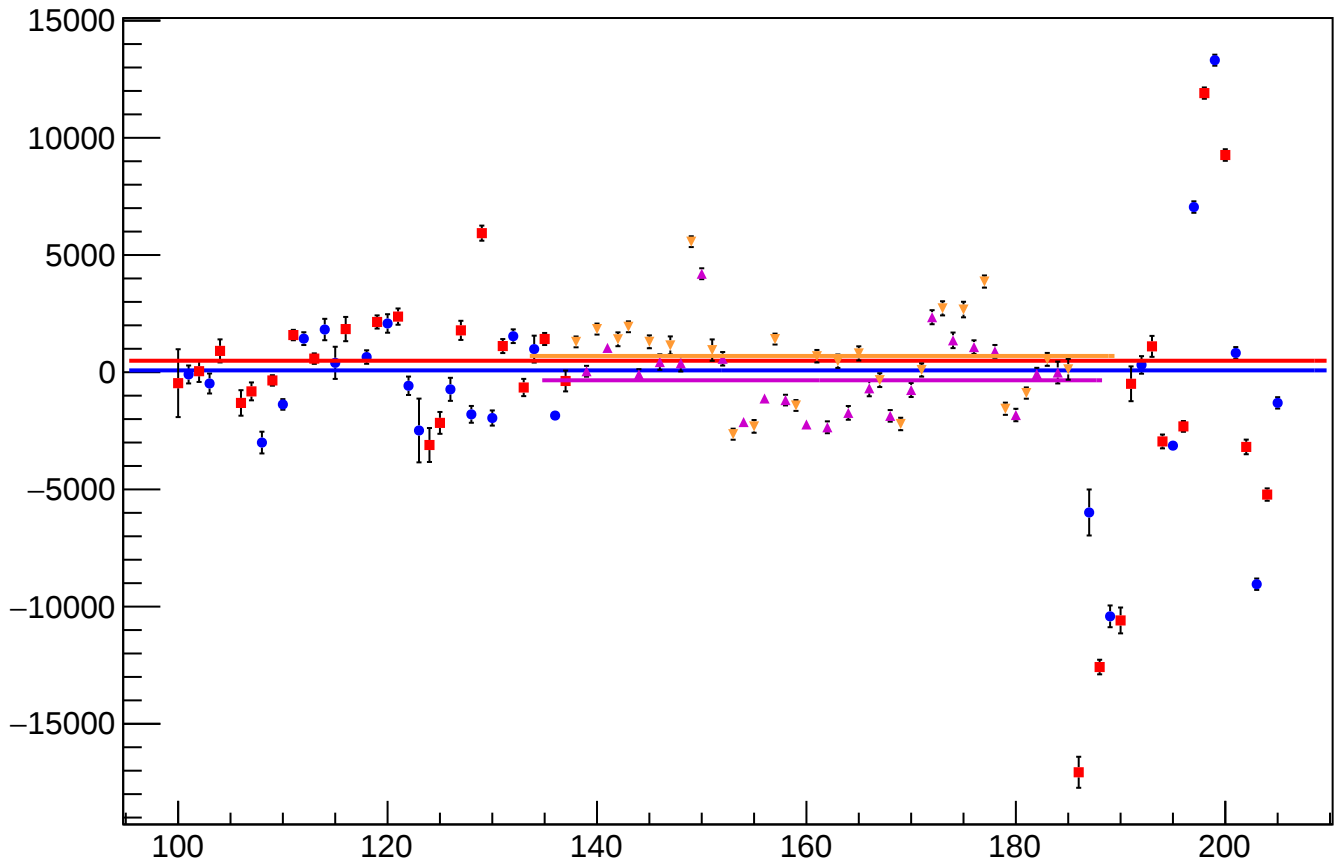
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 233.494 $\pm$ 0.032 χ^2 /NDF: 8361361.2/50

All: 227.272 $\pm$ 0.022 χ^2 /NDF: 16216710.1/10

- sign 221.710 $\pm$ 0.030 χ^2 /NDF: 7783426.2/52

asym_bpm0l01WS_mean vs Slug



Right In: 77.916+/-62.089 χ^2/NDF : 6536.0/25

Left Out: 694.326+/-54.246 χ^2/NDF :1422.1/24

Right Out: 489.959+/-60.098 χ^2/NDF : 7773.7/29

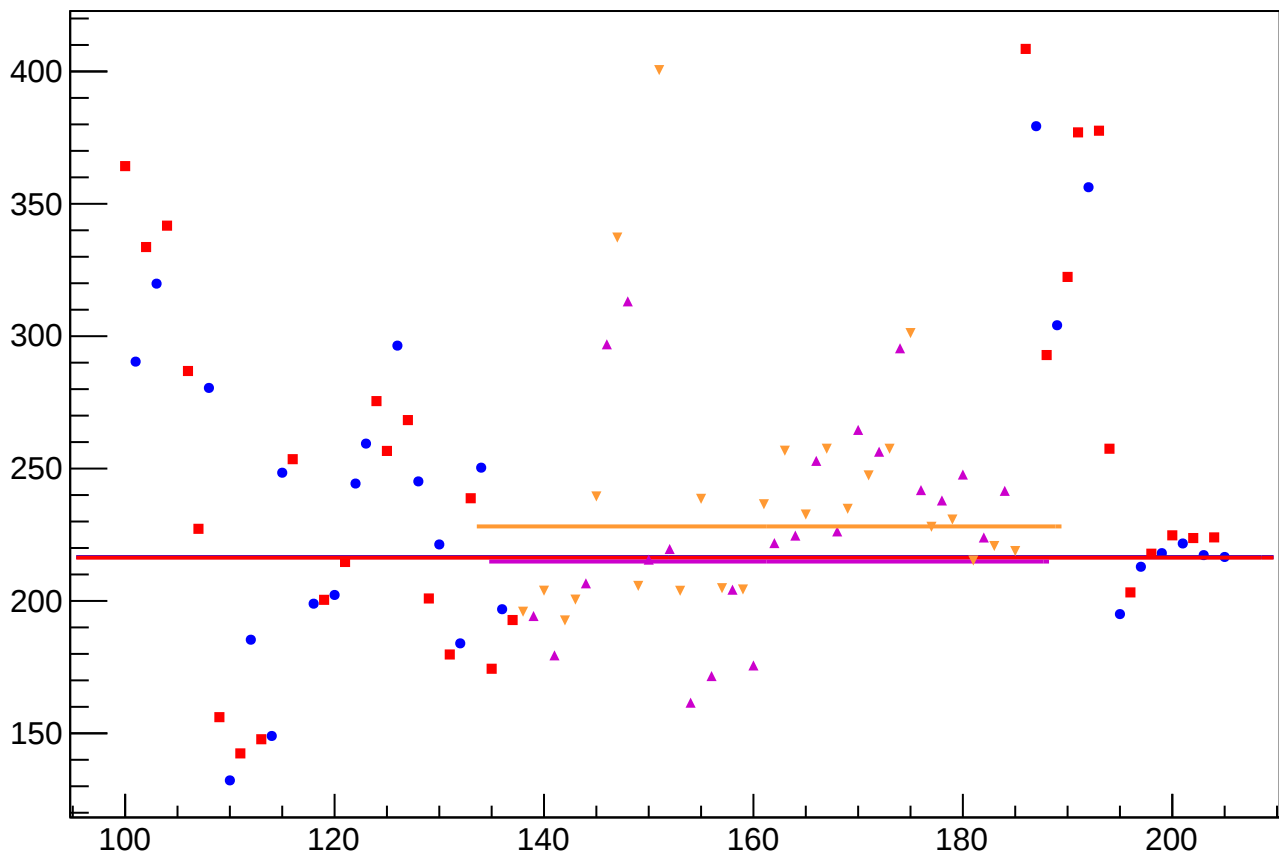
Left In: -344.578+/-52.954 χ^2/NDF :985.0/22

+ sign 427.485+/-40.851 χ^2/NDF : 8014.0/50

All: 218.165+/-28.482 χ^2/NDF : 16932.4/103

- sign 20.165+/-39.731 χ^2/NDF : 8867.3/52

asym_bpm0l01WS_rms vs Slug



Right In: 216.560 $\pm$ 0.044 χ^2 /NDF: 1143829.6/25

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 216.364 $\pm$ 0.042 χ^2 /NDF: 1819584.3/29

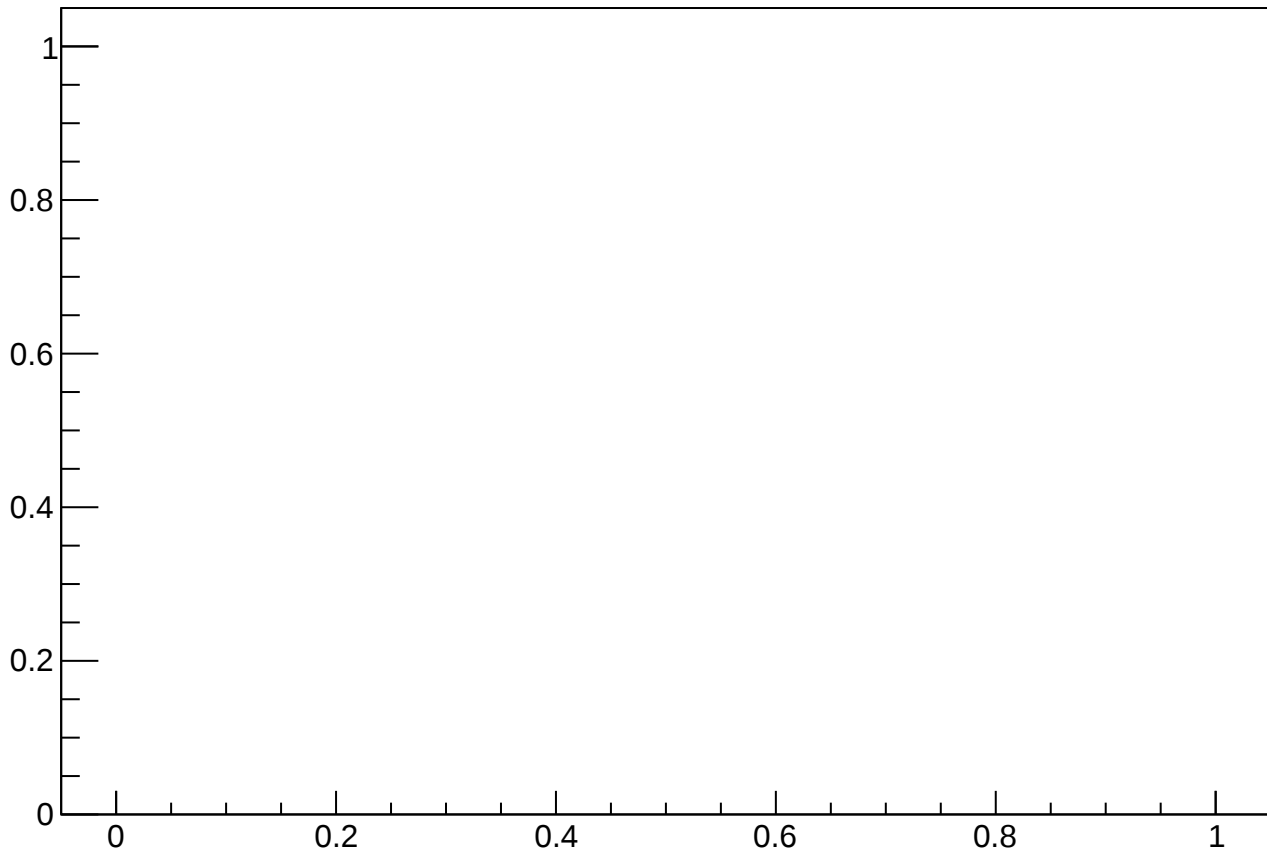
Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 223.129 $\pm$ 0.029 χ^2 /NDF: 2011710.6/50

All: 219.223 $\pm$ 0.020 χ^2 /NDF: 4905078.8/103

- sign 215.528 $\pm$ 0.028 χ^2 /NDF: 2857782.4/52

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

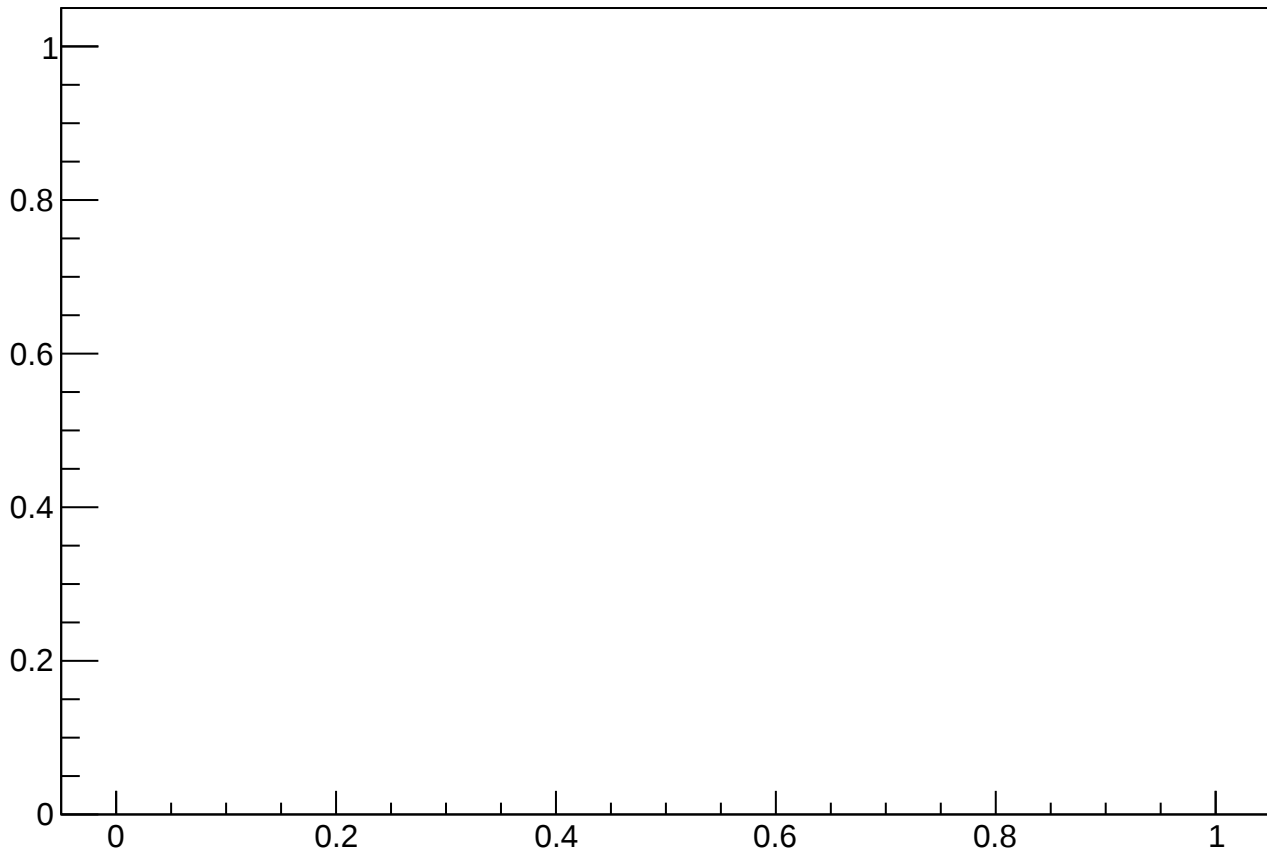
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

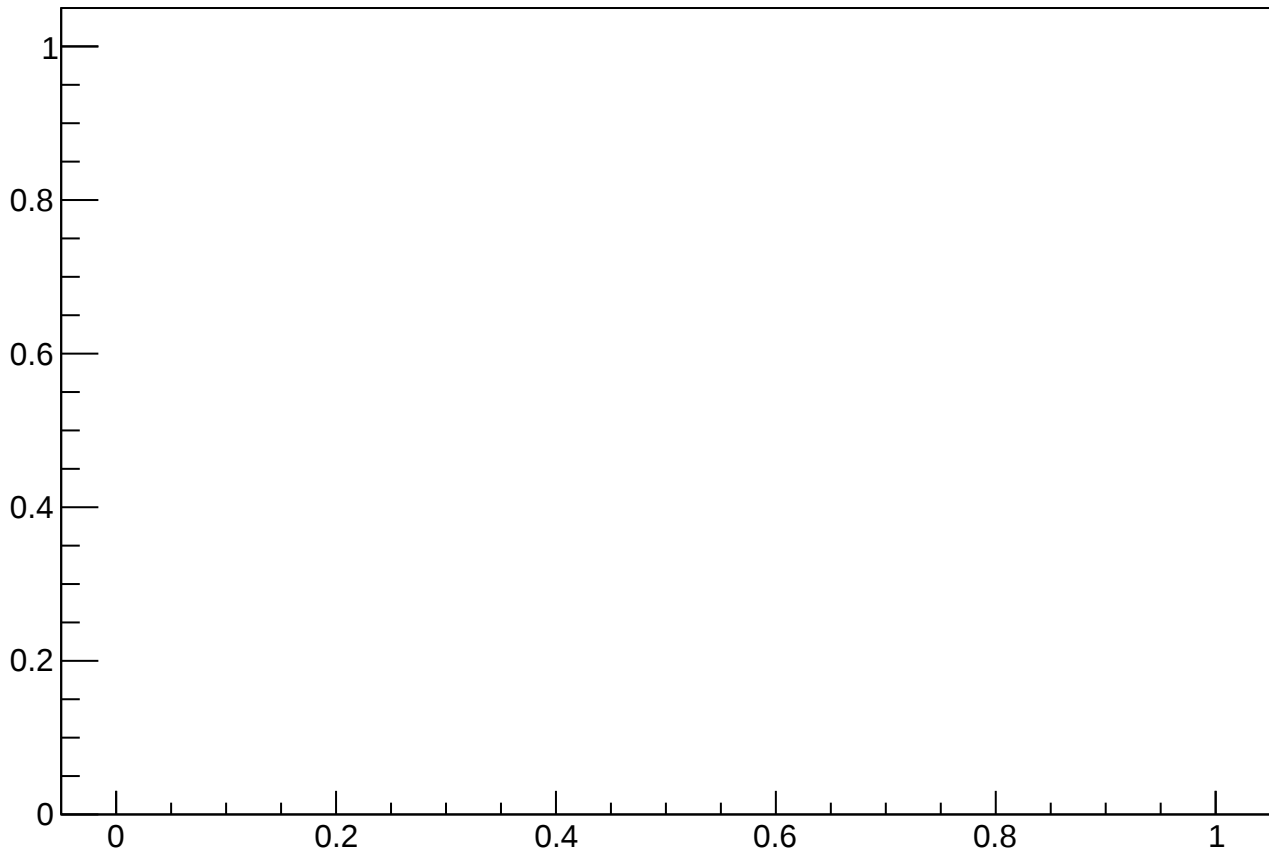
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

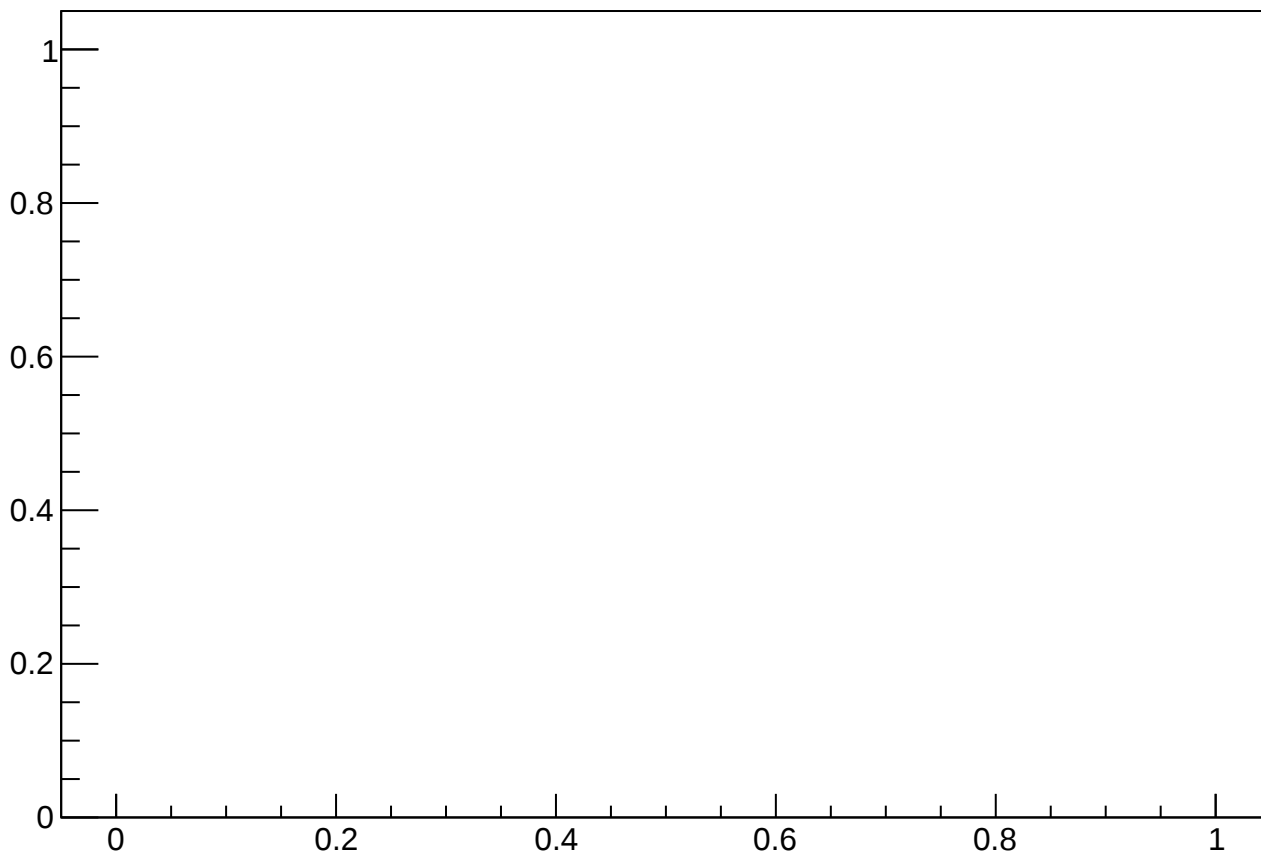
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

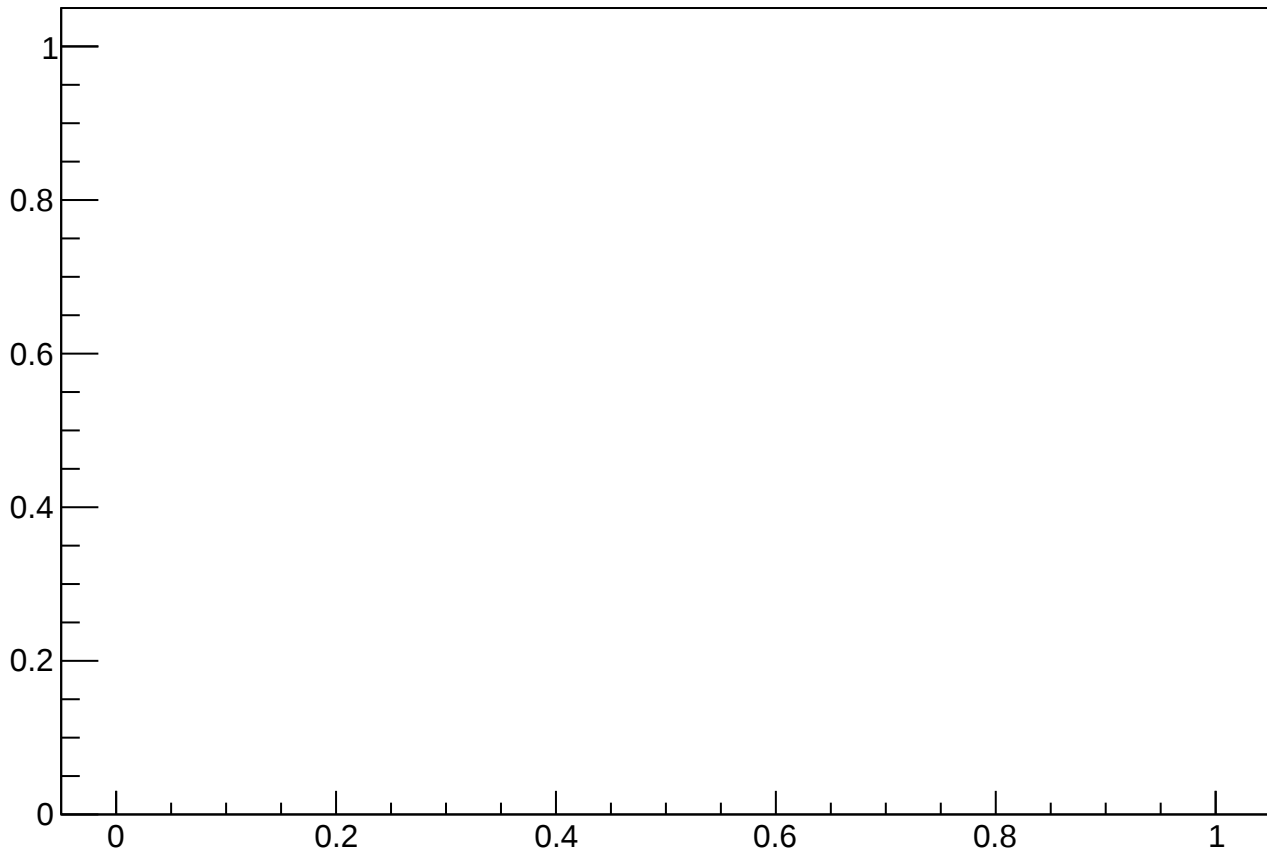
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

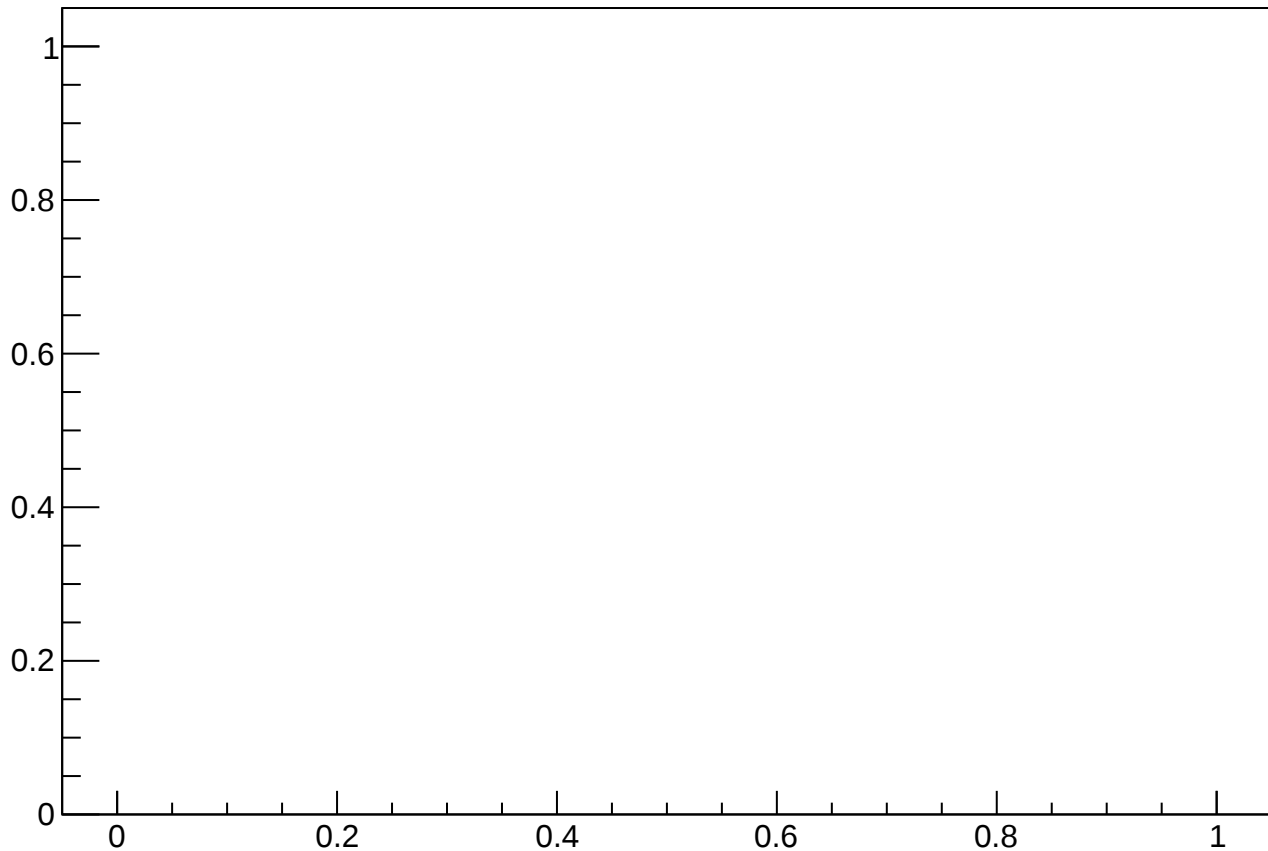
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

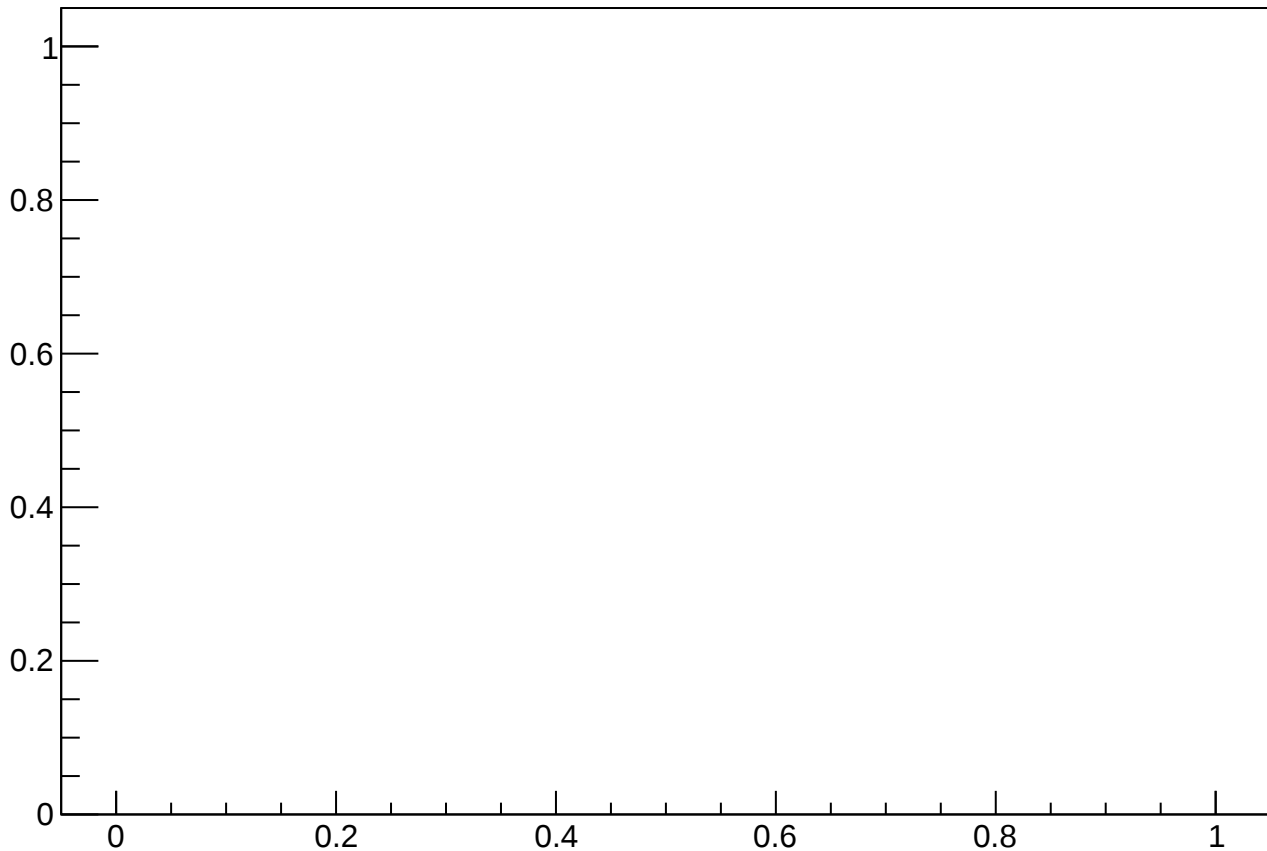
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-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

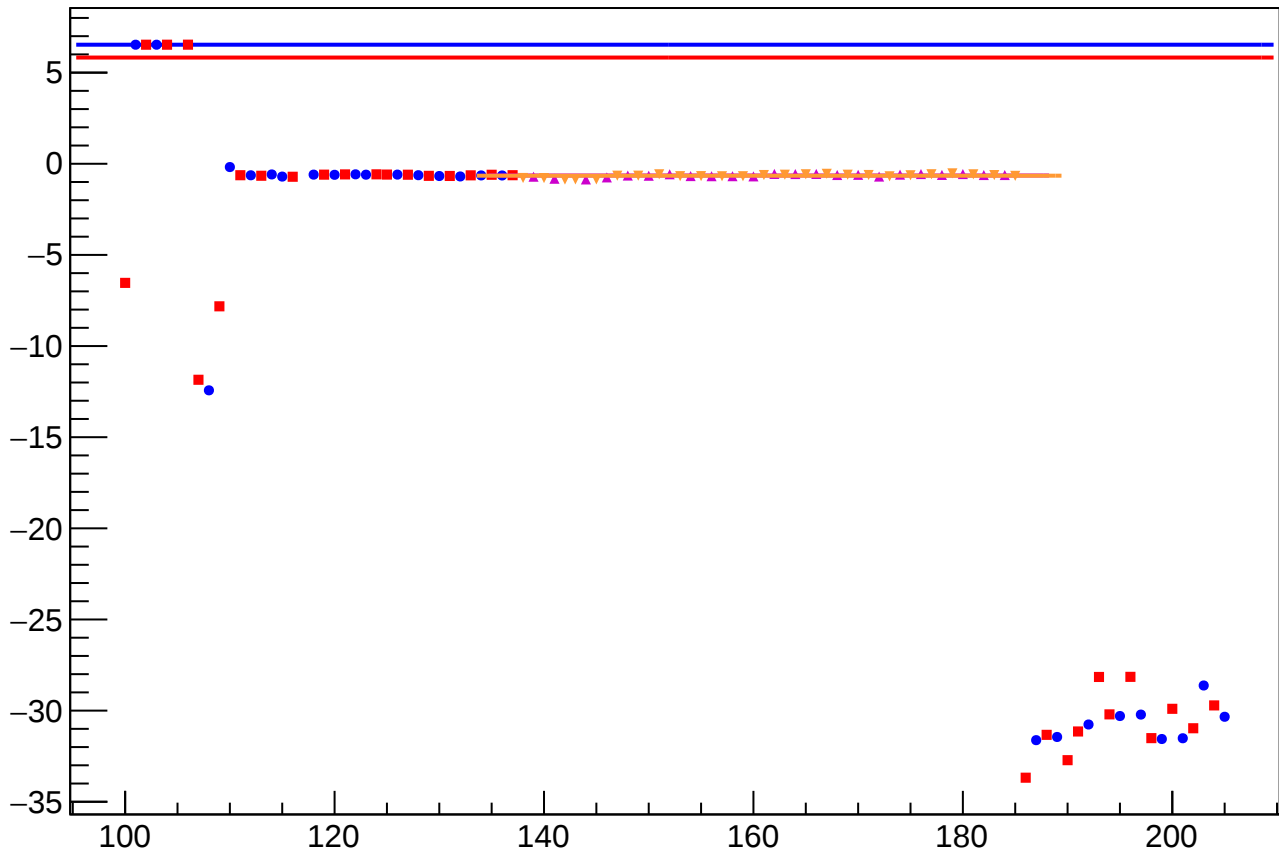
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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: 128036096043.8/25

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962385560825.8/29

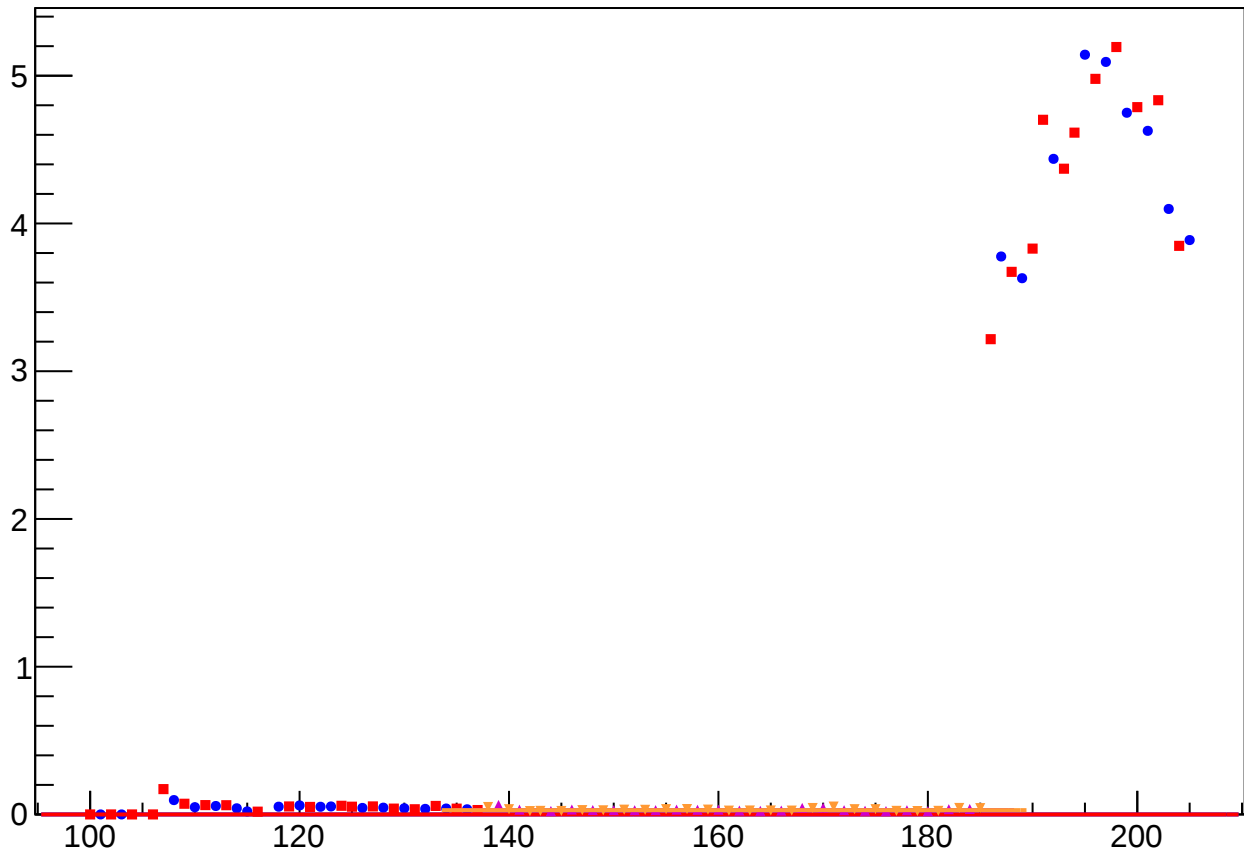
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001875582856.5/50

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762781647824

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640848689826.0/29

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21129244.1/25

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23149482.6/29

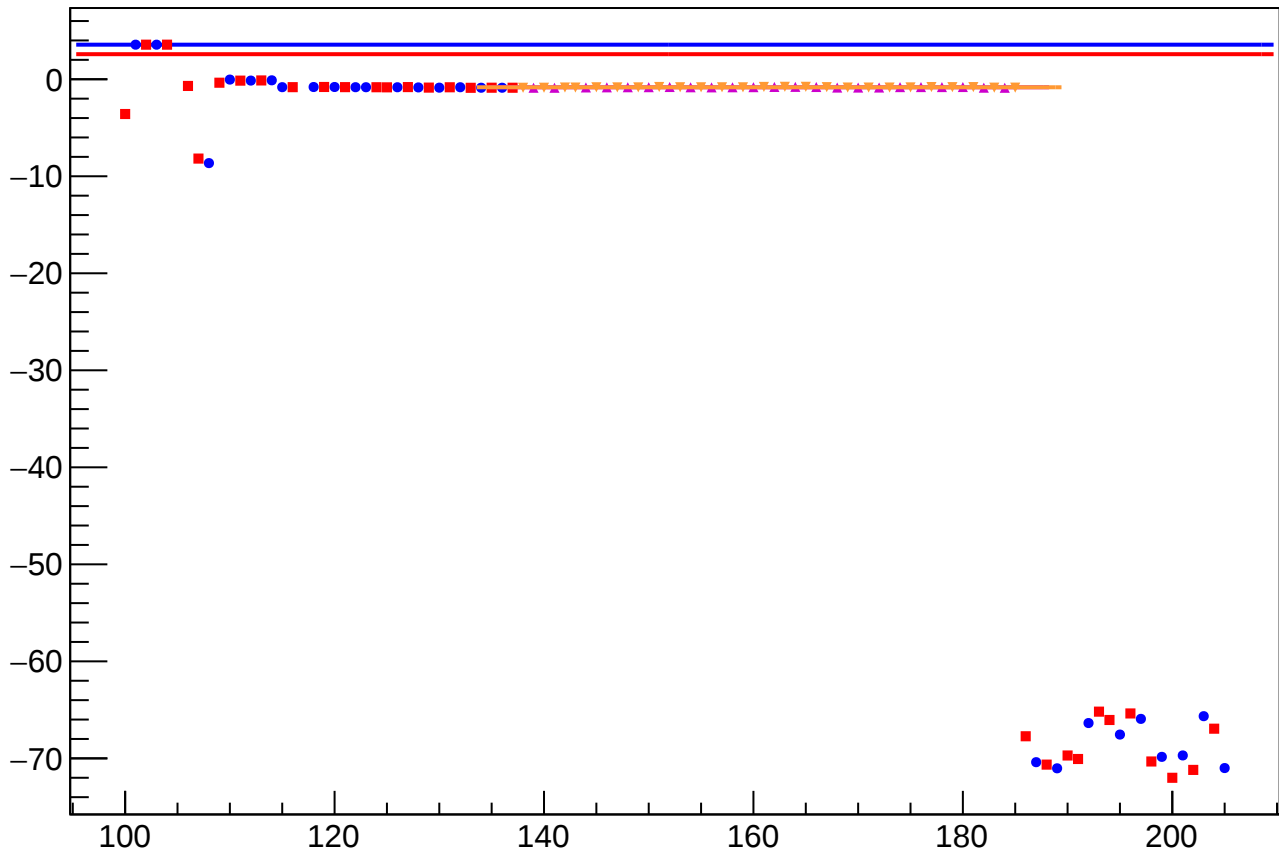
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 51092989.1/50

All: 0.000+/-0.000 χ^2/NDF : 102424974.0/103

- sign 0.000+/-0.000 χ^2/NDF : 51331315.8/52

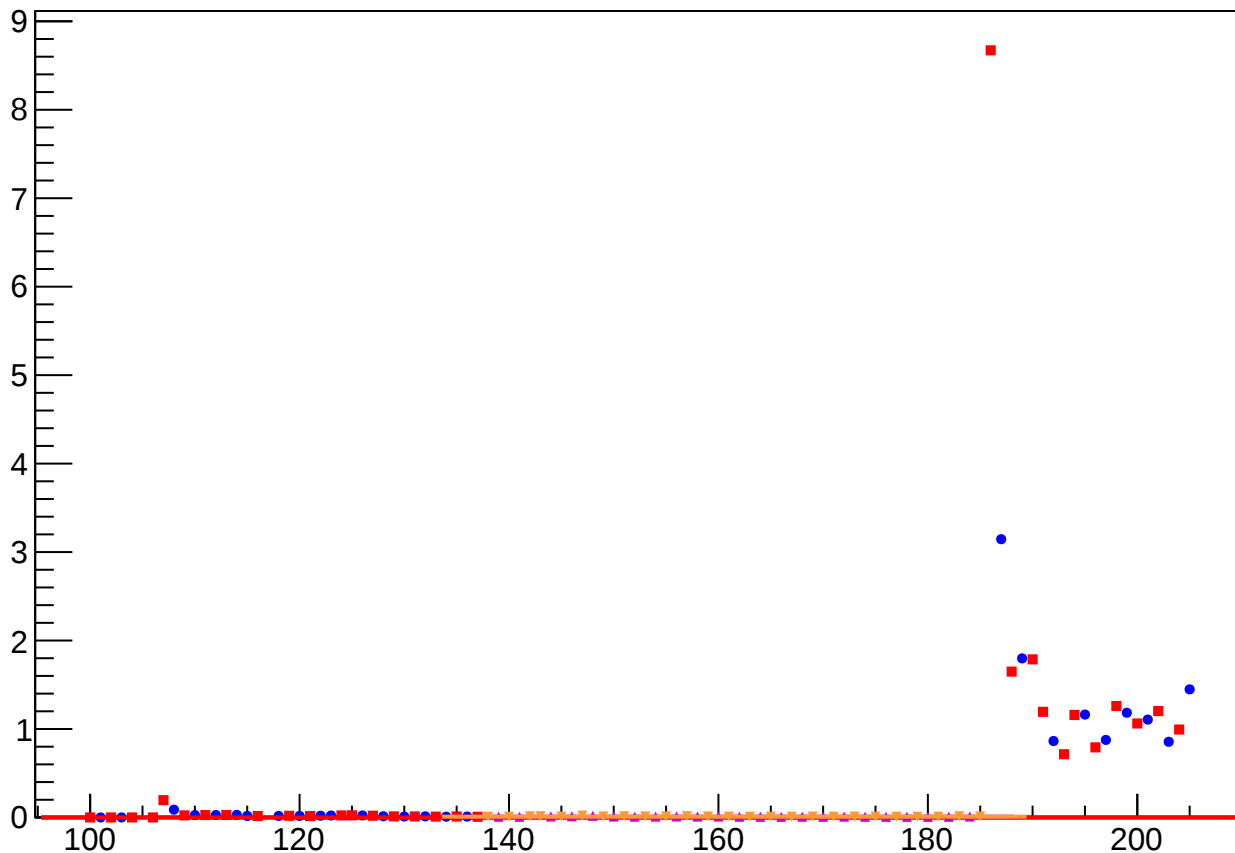
yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 502805309674.3/25
 Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24
 Right Out: 2.583+/-0.000 χ^2/NDF : 1253526729506367.5/29
 Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4199252337585.8/50
 All: 3.038+/-0.000 χ^2/NDF : 13880251968350
 - sign 2.581+/-0.000 χ^2/NDF : 1255747823158290.8

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19834526.1/25

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21598322.8/29

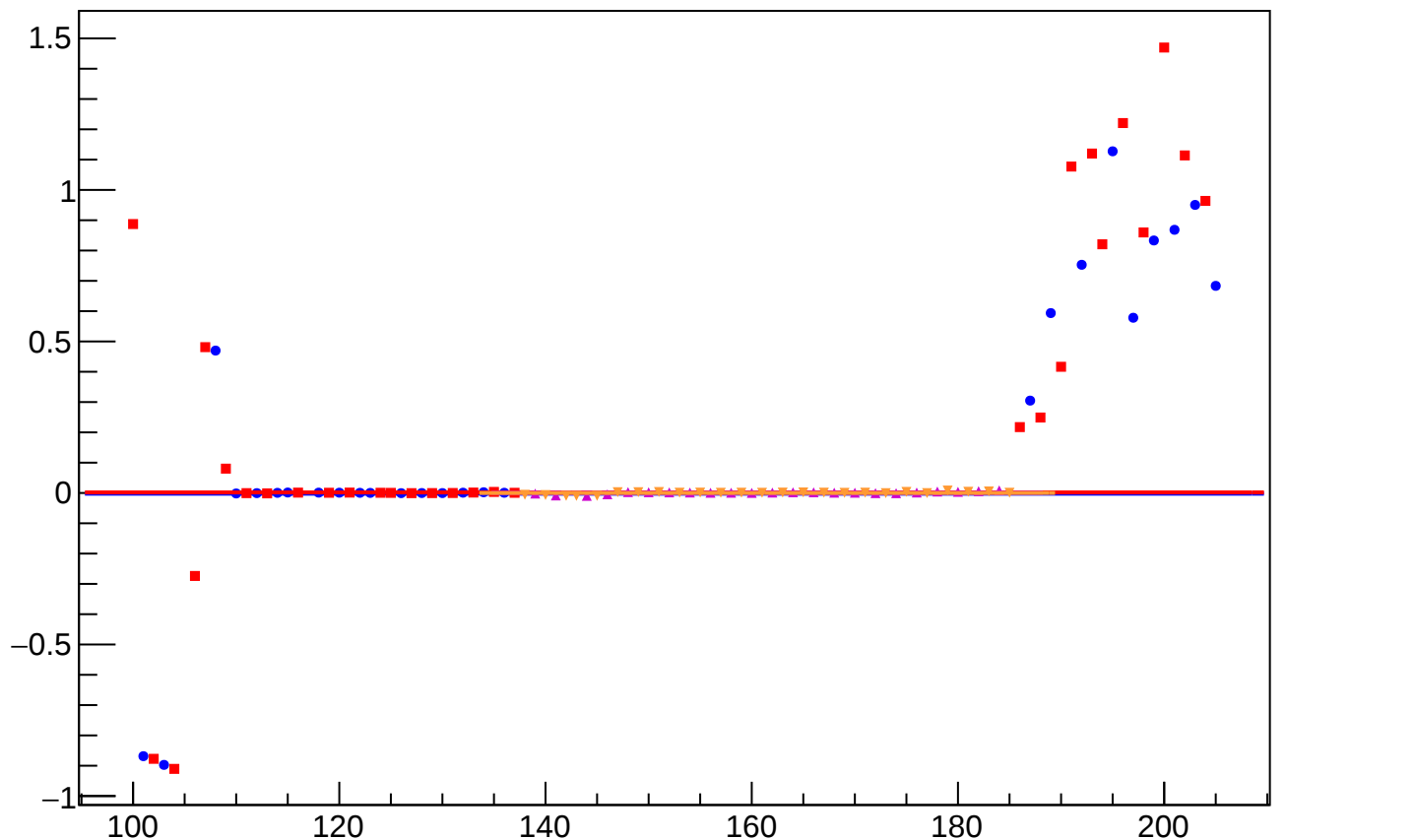
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 51342856.8/50

All: 0.000+/-0.000 χ^2/NDF : 102748867.5/103

- sign 0.000+/-0.000 χ^2/NDF : 51404931.2/52

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9796394005.6/25

Left Out: -0.000+/-0.000 χ^2/NDF :151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3043570700.1/29

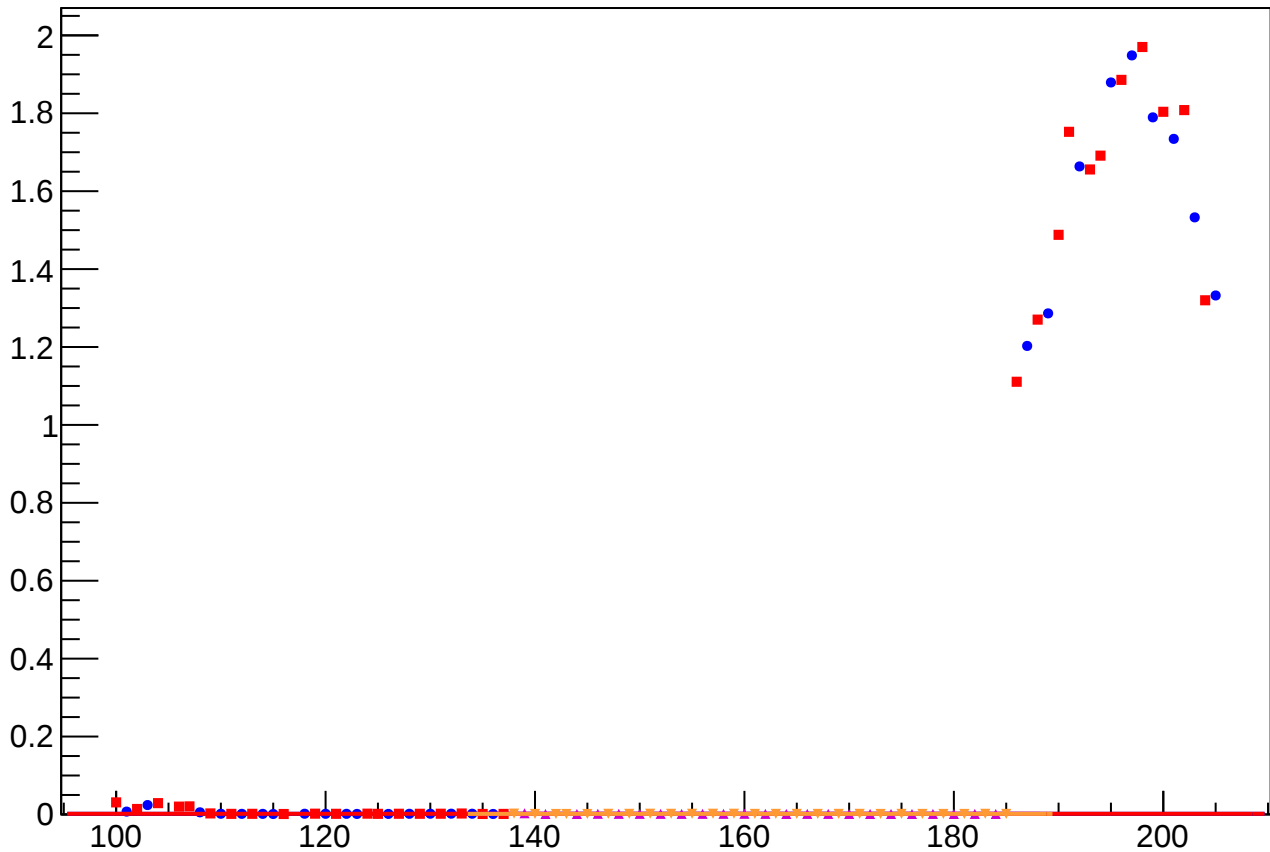
Left In: 0.001+/-0.000 χ^2/NDF :101468517.6/22

+ sign -0.001+/-0.000 χ^2/NDF : 9954912151.1/50

All: 0.000+/-0.000 χ^2/NDF : 13109481494.8/100

- sign 0.001+/-0.000 χ^2/NDF : 3147017822.2/52

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 14164136.4/25

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539040.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 16806340.5/29

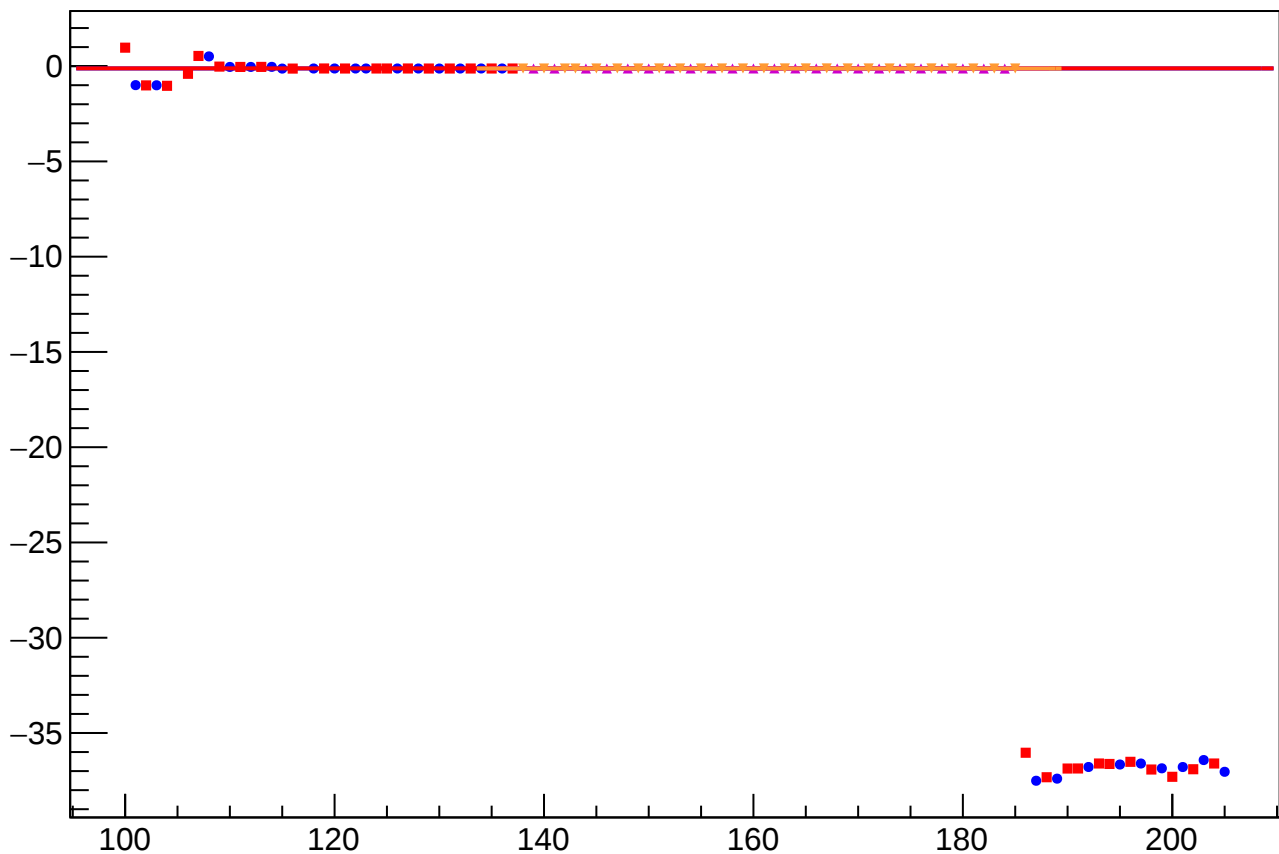
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 14774490.8/50

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 32358557.1/103

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 17576172.5/52

yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 57370203601.4/25$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.116 ± 0.000 $\chi^2/\text{NDF}: 59986649327.4/29$

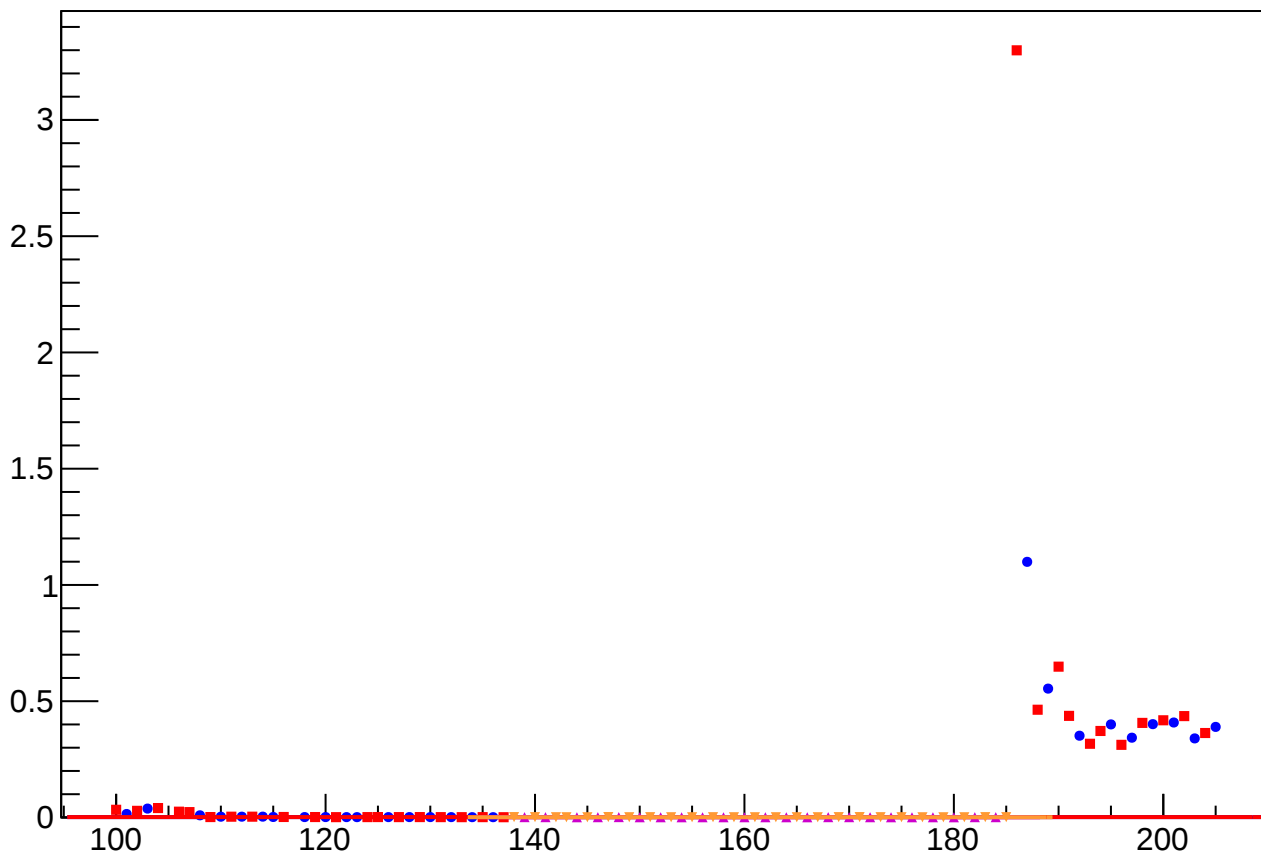
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.121 ± 0.000 $\chi^2/\text{NDF}: 57428532710.3/50$

All: -0.121 ± 0.000 $\chi^2/\text{NDF}: 117509695297.0$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 60077192521.4/52$

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 14595627.1/25

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1362851.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 16793895.5/29

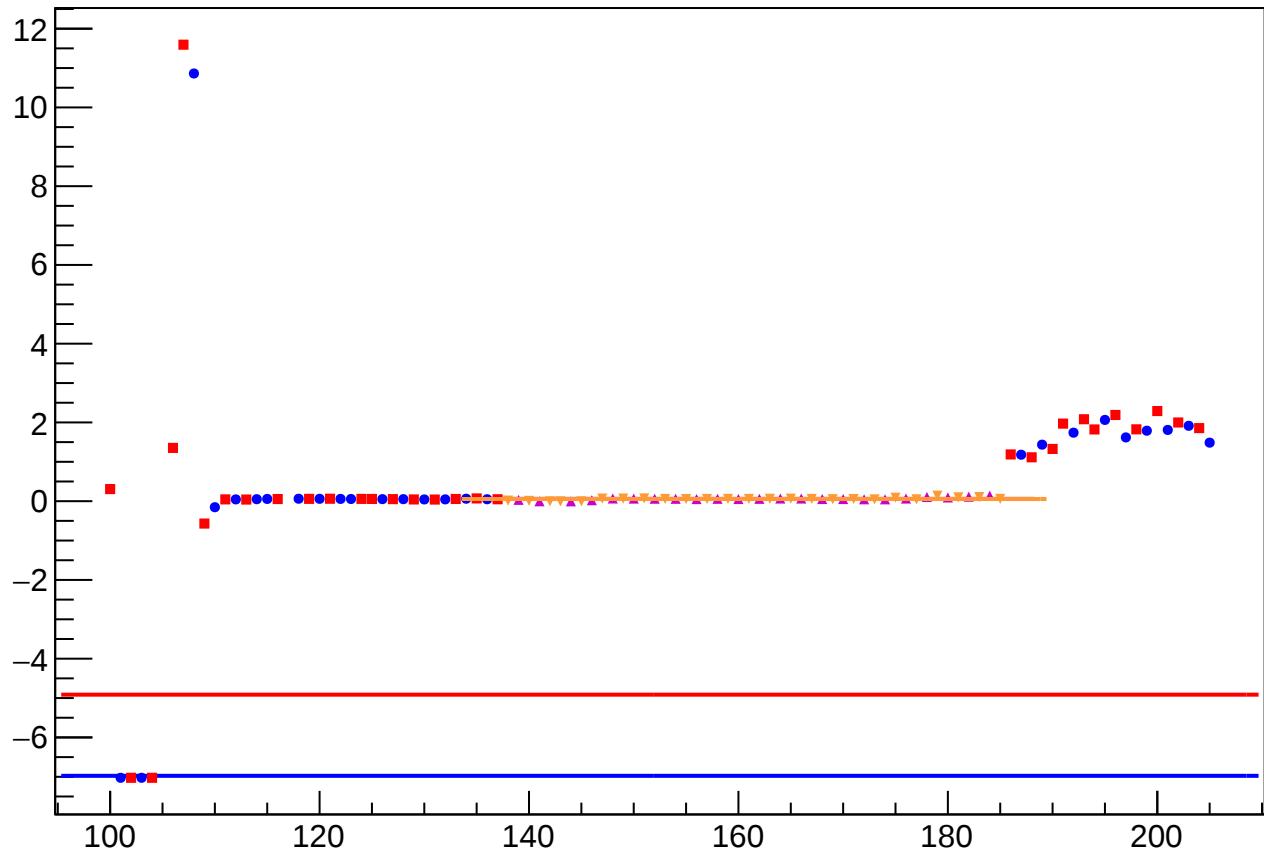
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:972588.0/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 17146013.4/50

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 36051496.3/103

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 18903455.1/52

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762677947672.5/25

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348691877174.2/29

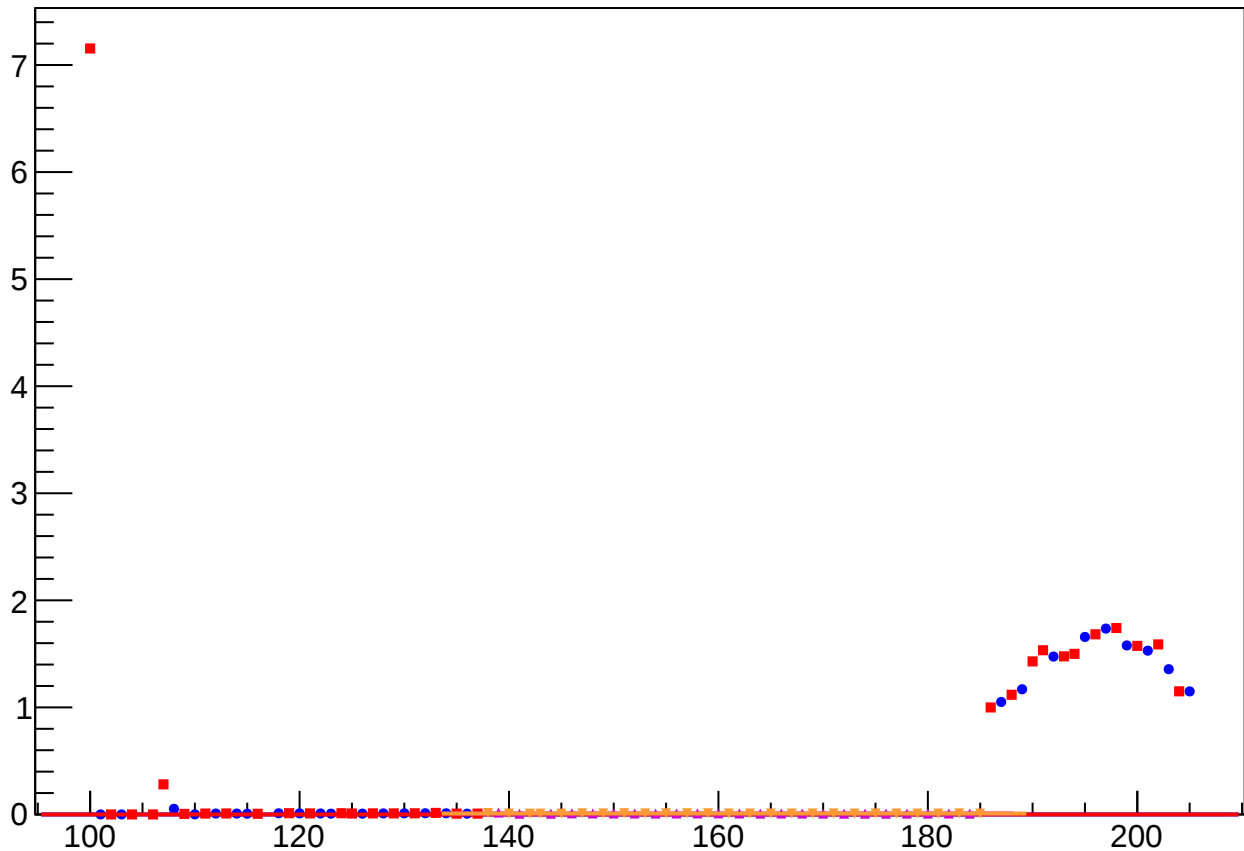
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417665847707.9/25

All: -5.858 ± 0.000 χ^2/NDF : 4435815382785.3/29

- sign -4.882 ± 0.000 χ^2/NDF : 369770982477325.3/29

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 20491396.2/25

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 22561612.9/29

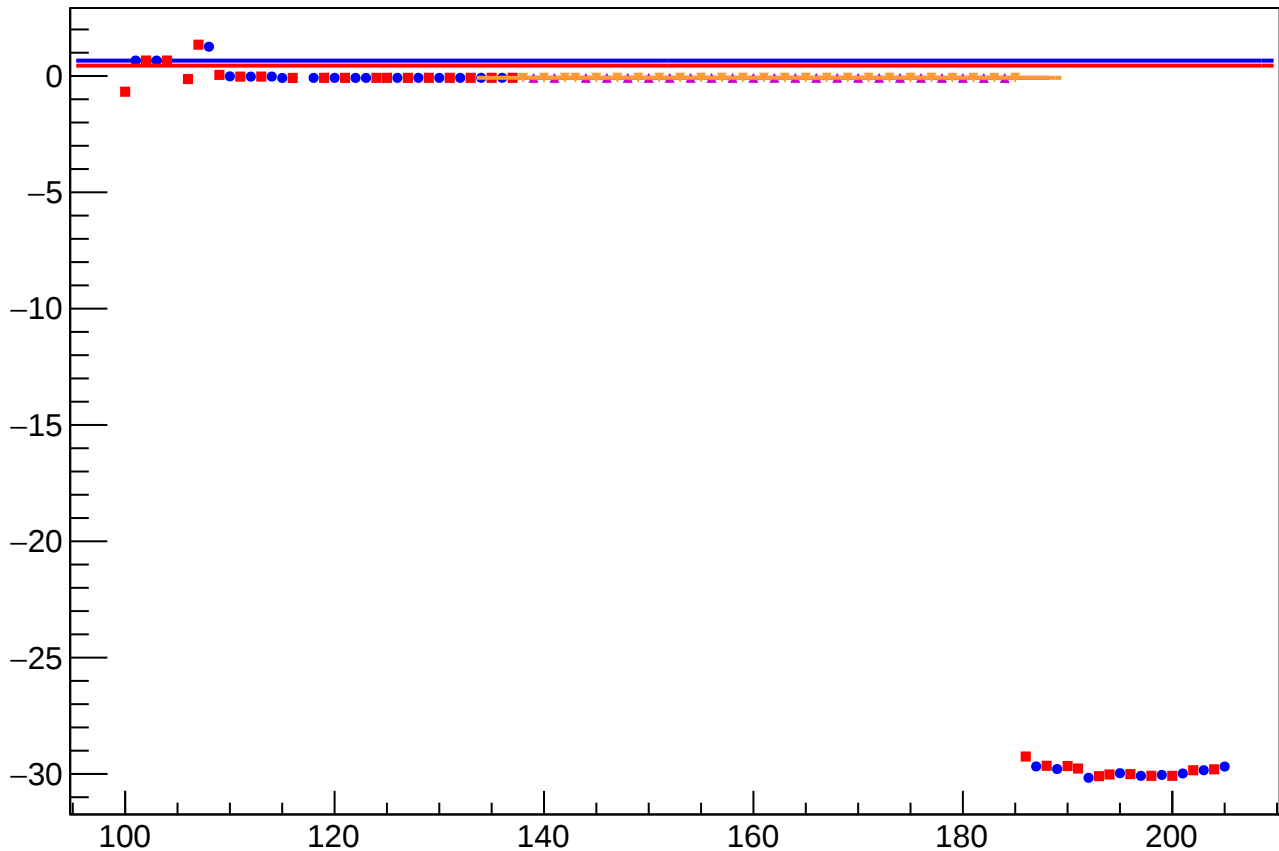
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 49478376.8/50

All: 0.000+/-0.000 χ^2/NDF : 99718015.5/103

- sign 0.000+/-0.000 χ^2/NDF : 50235173.3/52

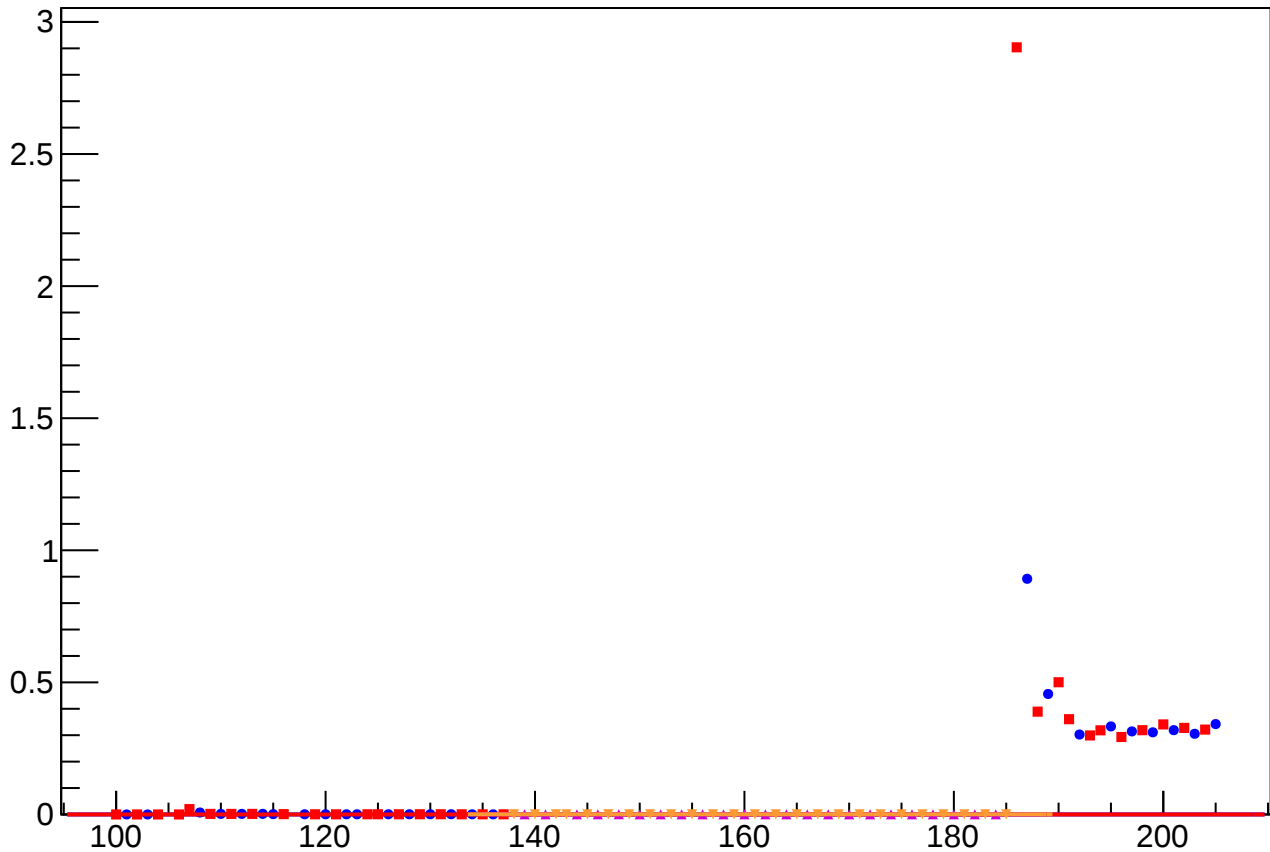
yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5638612811685.2/25
 Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24
 Right Out: 0.446+/-0.000 χ^2/NDF : 405471724743346.2/29
 Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35806072916534.9/5
 All: 0.537+/-0.000 χ^2/NDF : 51608950111862
 - sign 0.437+/-0.000 χ^2/NDF : 419703243205352.6/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21955468.1/25

Left Out: 0.001+/-0.000 χ^2/NDF :466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23104447.1/29

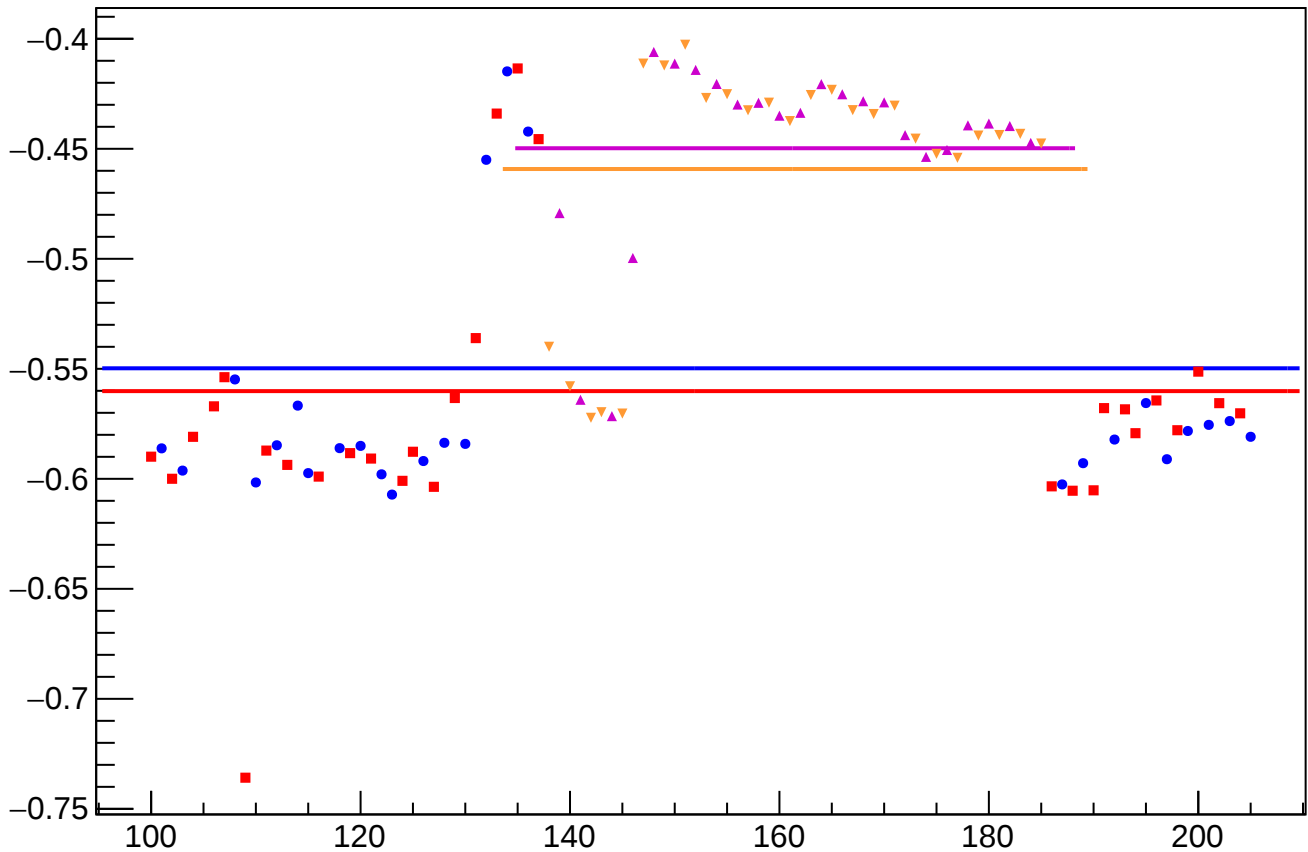
Left In: 0.001+/-0.000 χ^2/NDF :355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 54604292.6/50

All: 0.000+/-0.000 χ^2/NDF : 108752340.8/103

- sign 0.000+/-0.000 χ^2/NDF : 54140898.6/52

yield_bpm4aX_mean vs Slug



Right In: -0.550 ± 0.000 χ^2/NDF : 48073733.6/25

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.560 ± 0.000 χ^2/NDF : 65324359.2/29

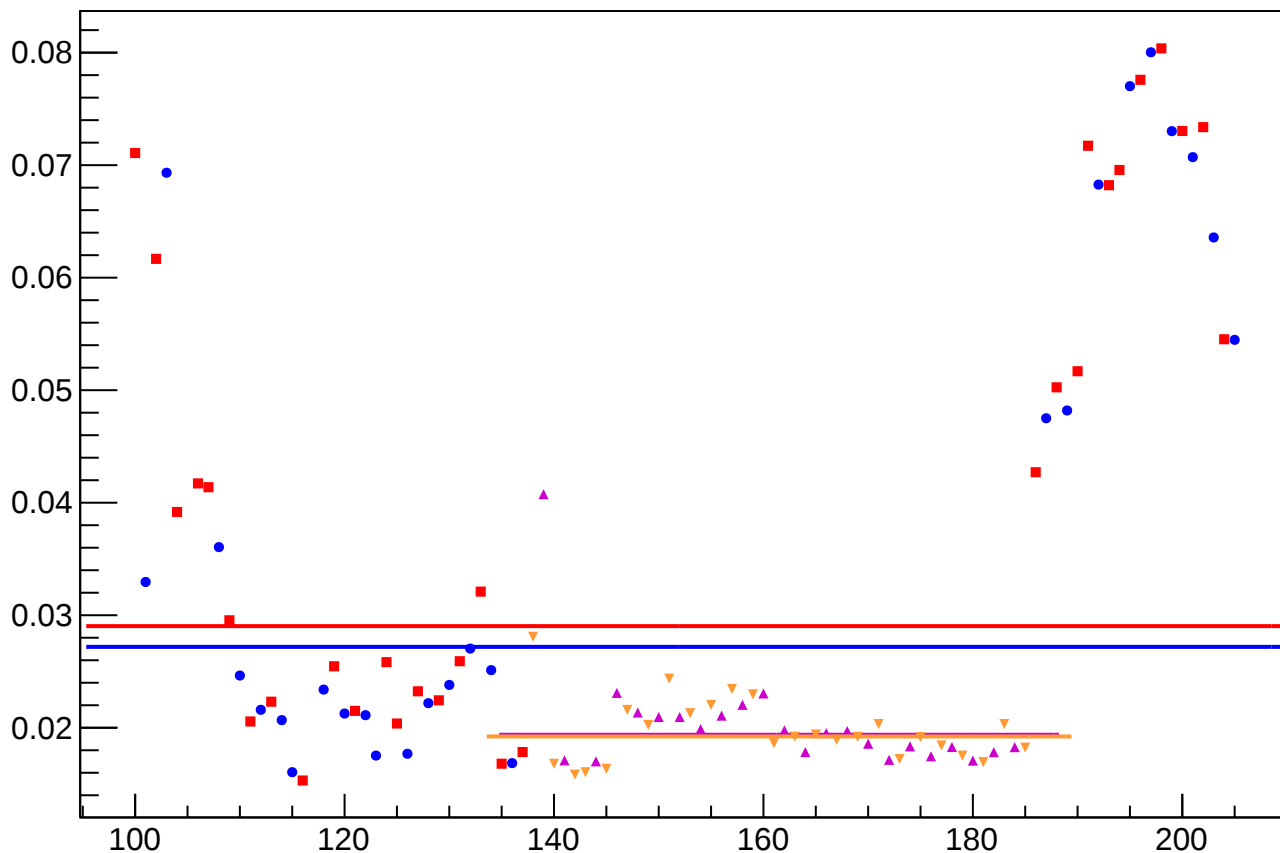
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.480 ± 0.000 χ^2/NDF : 236844854.4/50

All: -0.478 ± 0.000 χ^2/NDF : 486470926.7/10

- sign -0.476 ± 0.000 χ^2/NDF : 249240549.8/52

yield_bpm4aX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 5816928.8/25

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:501253.7/24

Right Out: 0.029 $\pm$ 0.000 χ^2 /NDF: 6040190.7/29

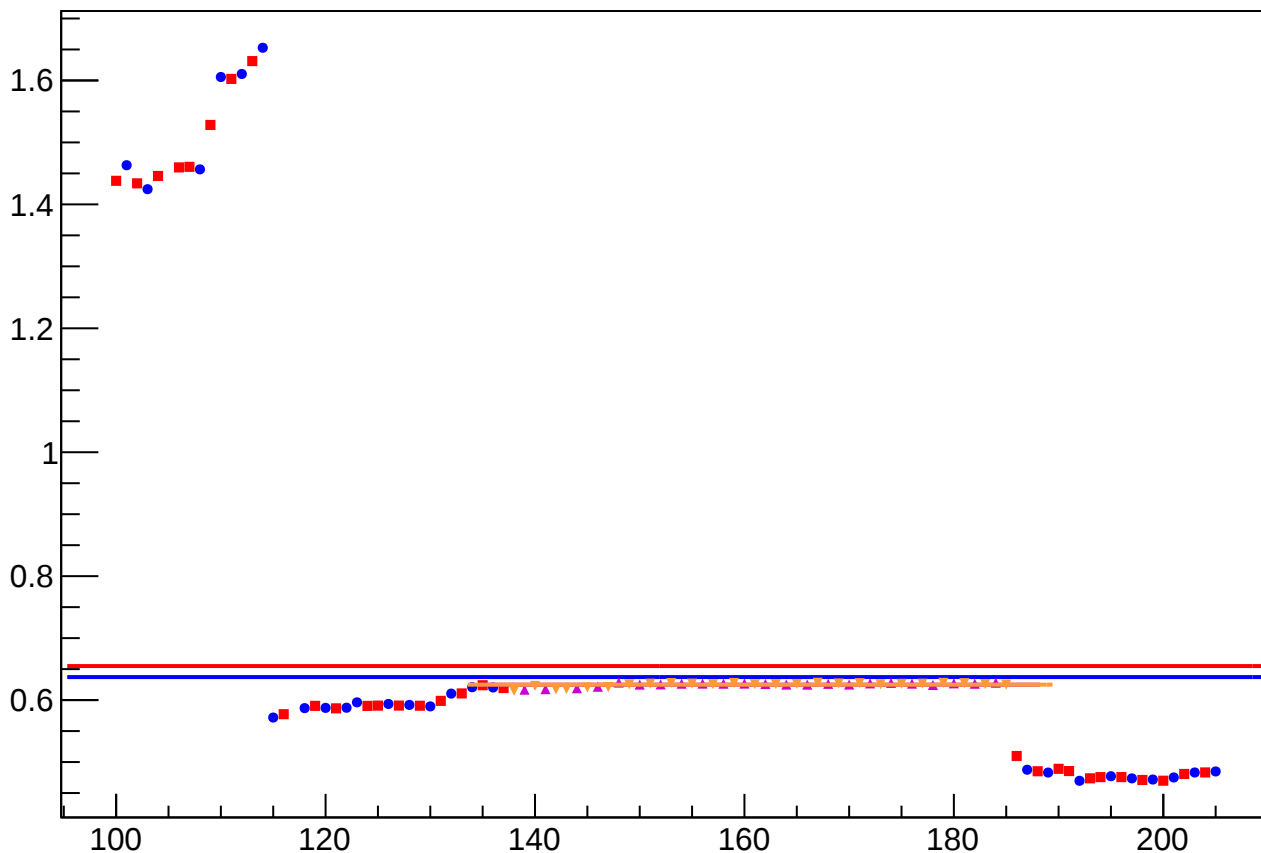
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:656155.9/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7476980.5/50

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 15842082.6/103

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 8345309.3/52

yield_bpm4aY_mean vs Slug



Right In: 0.637 $\pm$ 0.000 χ^2 /NDF: 4929050703.8/25

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.655 $\pm$ 0.000 χ^2 /NDF: 5937281902.9/29

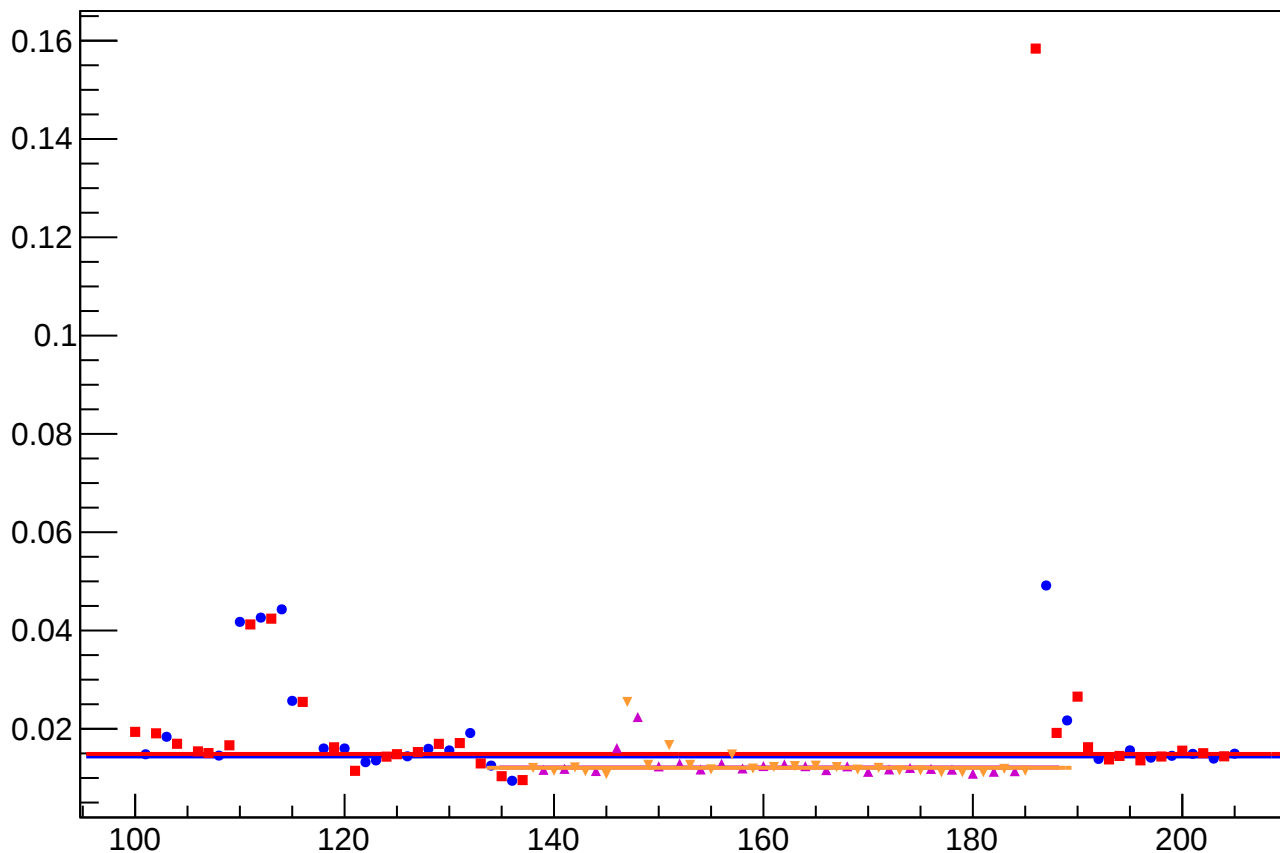
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.629 $\pm$ 0.000 χ^2 /NDF: 4936183989.7/50

All: 0.632 $\pm$ 0.000 χ^2 /NDF: 10911643493.2/100

- sign 0.635 $\pm$ 0.000 χ^2 /NDF: 5972371231.8/52

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1645470.6/25

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2073748.1/29

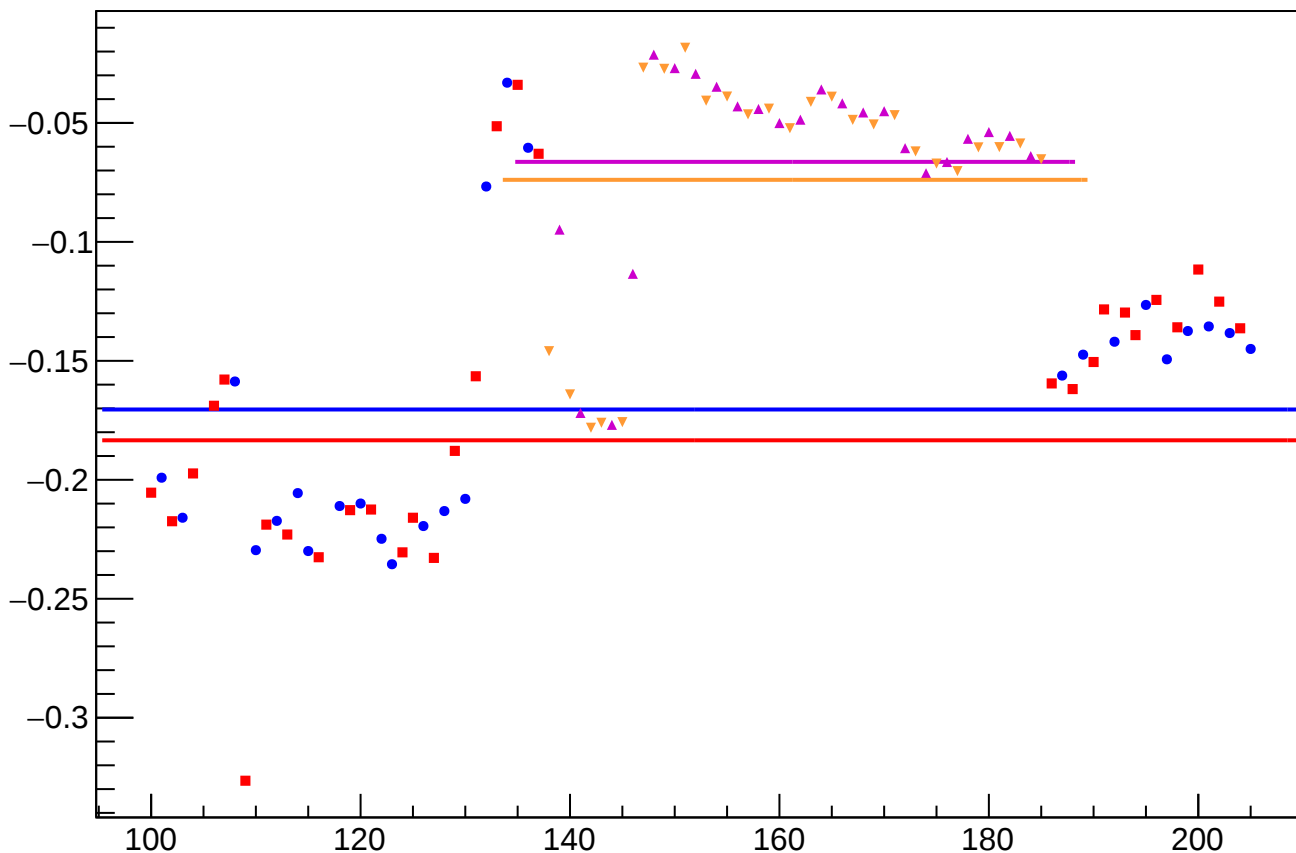
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2709732.9/50

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5849122.5/103

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3129408.7/52

yield_bpm4eX_mean vs Slug



Right In: -0.170 ± 0.000 χ^2/NDF : 68370302.9/25

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.183 ± 0.000 χ^2/NDF : 85774322.1/29

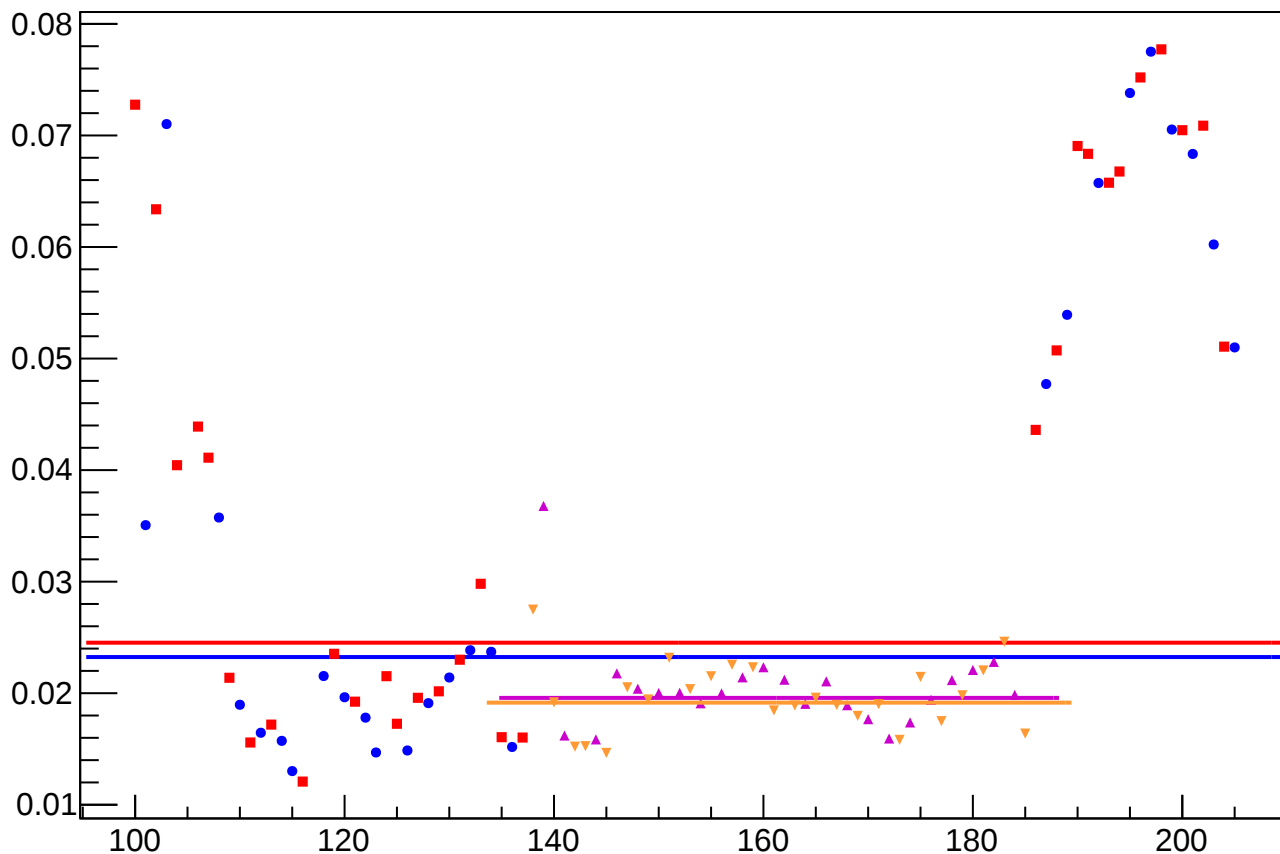
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.100 ± 0.000 χ^2/NDF : 280472013.9/50

All: -0.100 ± 0.000 χ^2/NDF : 590520248.7/10

- sign -0.100 ± 0.000 χ^2/NDF : 310048233.6/52

yield_bpm4eX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 6760179.4/25

Left Out: 0.019+/-0.000 χ^2/NDF : 641027.3/24

Right Out: 0.025+/-0.000 χ^2/NDF : 7334496.1/29

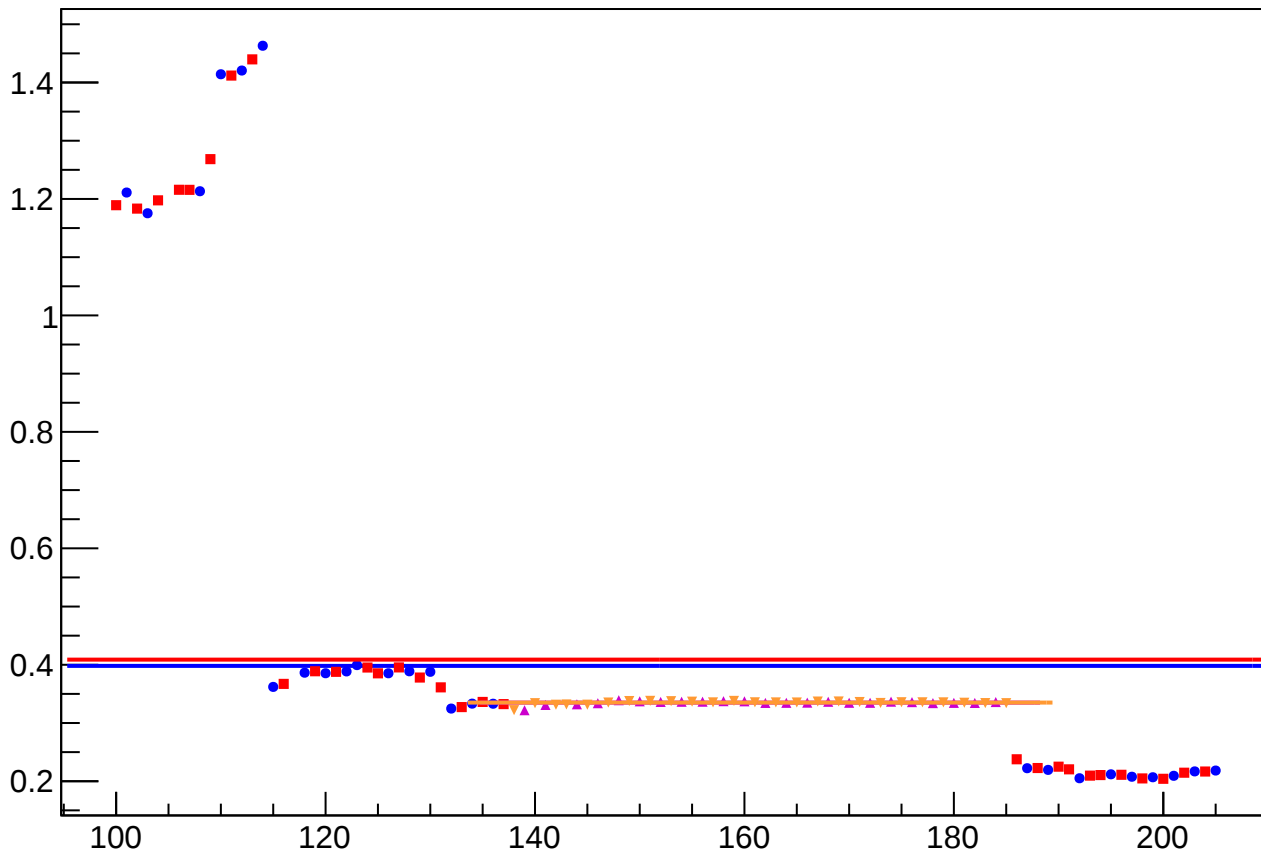
Left In: 0.020+/-0.000 χ^2/NDF : 651328.7/22

+ sign 0.020+/-0.000 χ^2/NDF : 7774719.4/50

All: 0.021+/-0.000 χ^2/NDF : 16319927.6/103

- sign 0.021+/-0.000 χ^2/NDF : 8515026.2/52

yield_bpm4eY_mean vs Slug



Right In: 0.398 $\pm$ 0.000 χ^2 /NDF: 7288282984.5/25

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1153956.7/24

Right Out: 0.409 $\pm$ 0.000 χ^2 /NDF: 8380390045.3/29

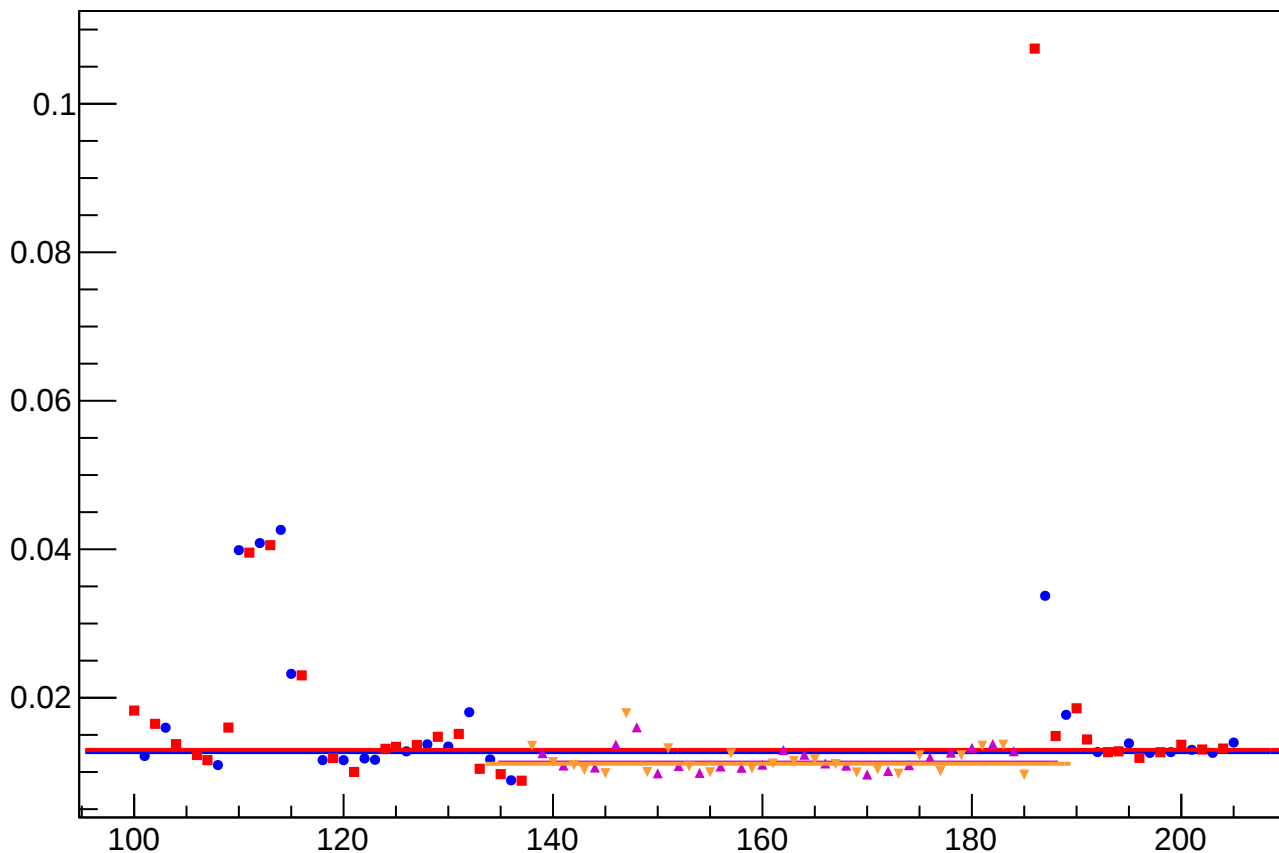
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198302.8/22

+ sign 0.356 $\pm$ 0.000 χ^2 /NDF: 7478576767.6/50

All: 0.359 $\pm$ 0.000 χ^2 /NDF: 16119492344.2/100

- sign 0.362 $\pm$ 0.000 χ^2 /NDF: 8638012763.2/52

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1524254.6/25

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1933627.5/29

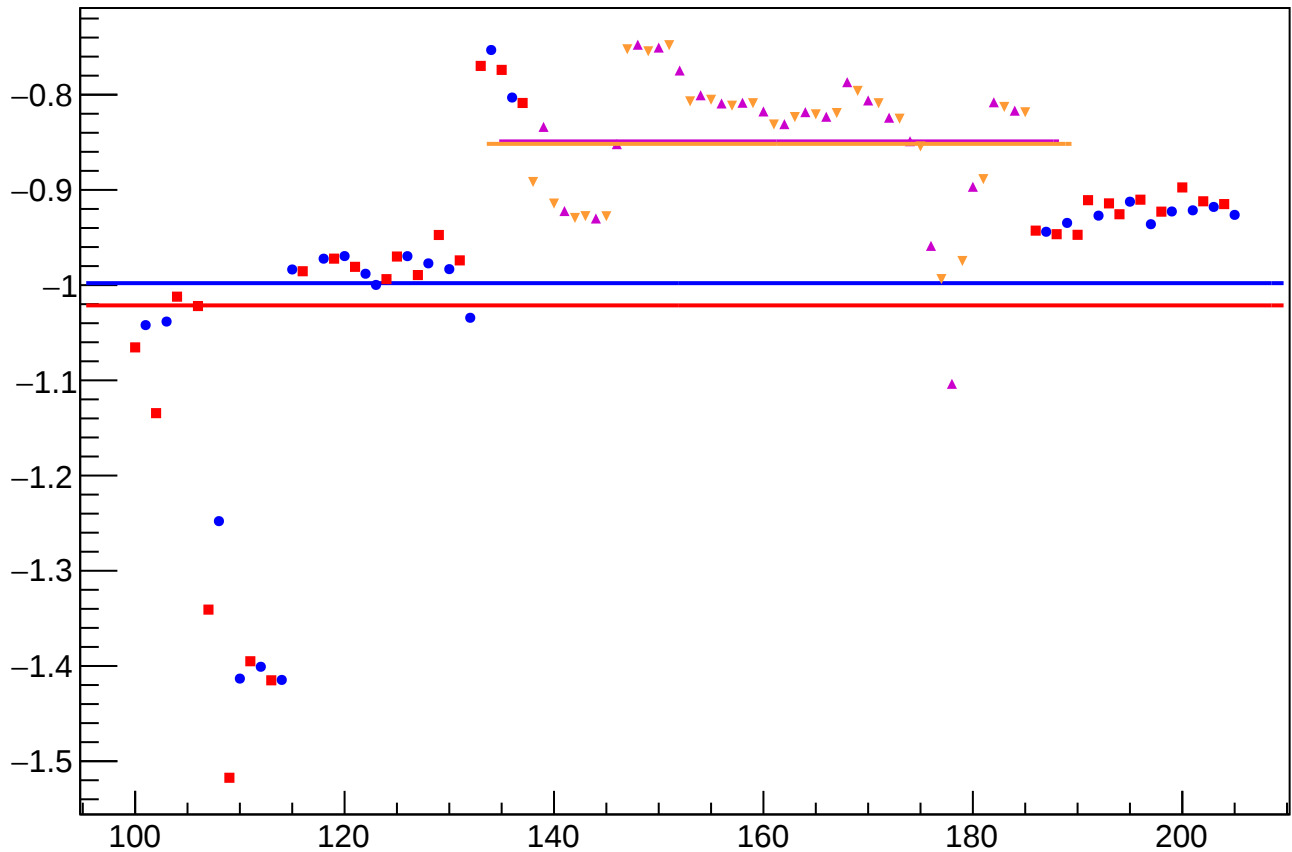
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2365848.6/50

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5087285.1/103

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2708955.5/52

yield_bpm4acX_mean vs Slug



Right In: -0.998 ± 0.000 $\chi^2/\text{NDF}: 402256314.2/25$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189276591.7/24$

+ sign -0.885 ± 0.000 $\chi^2/\text{NDF}: 794389255.3/50$

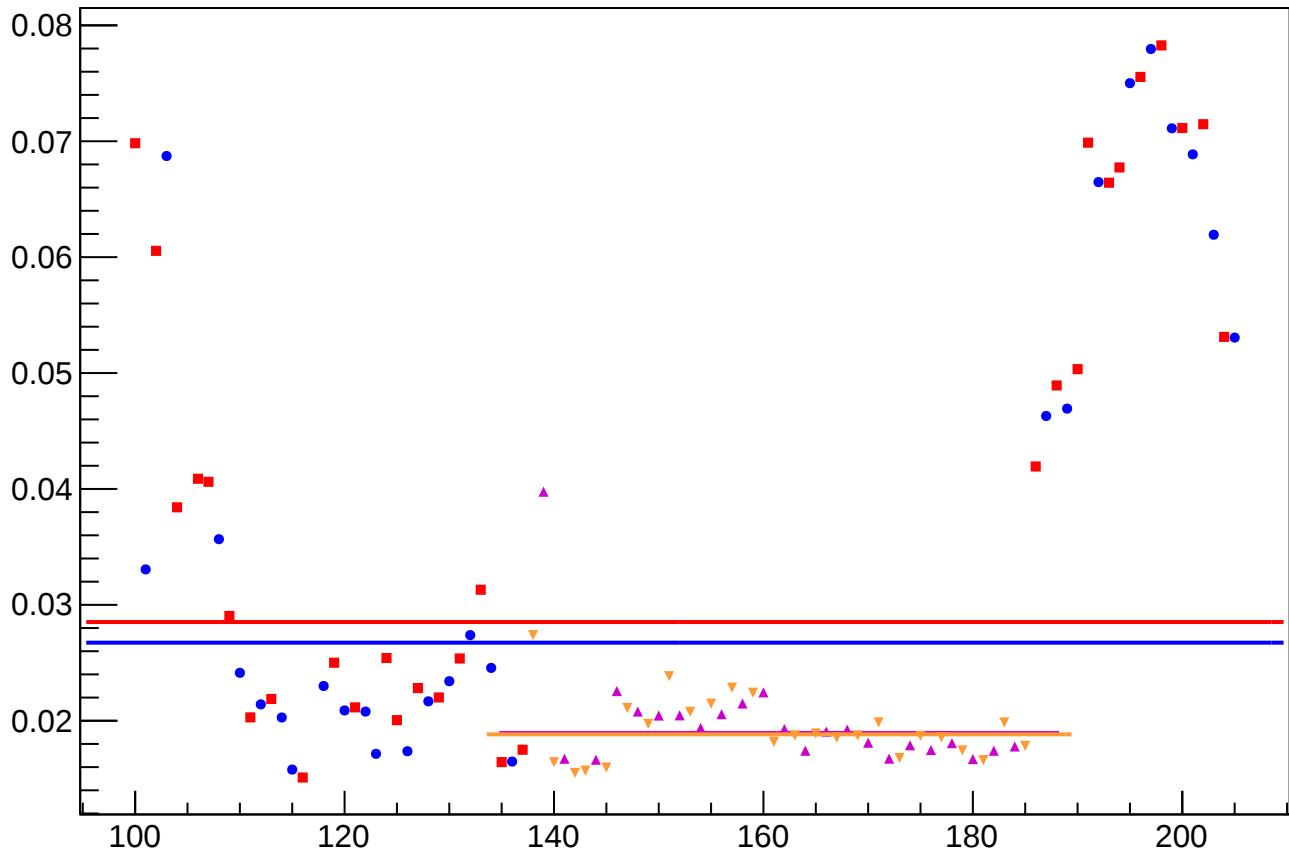
Right Out: -1.021 ± 0.000 $\chi^2/\text{NDF}: 554974677.3/29$

All: -0.887 ± 0.000 $\chi^2/\text{NDF}: 1879196257.1/1$

- sign -0.890 ± 0.000 $\chi^2/\text{NDF}: 1084196121.7/52$

Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256438306.8/22$

yield_bpm4acX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 5788569.4/25

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.029+/-0.000 χ^2/NDF : 5984076.0/29

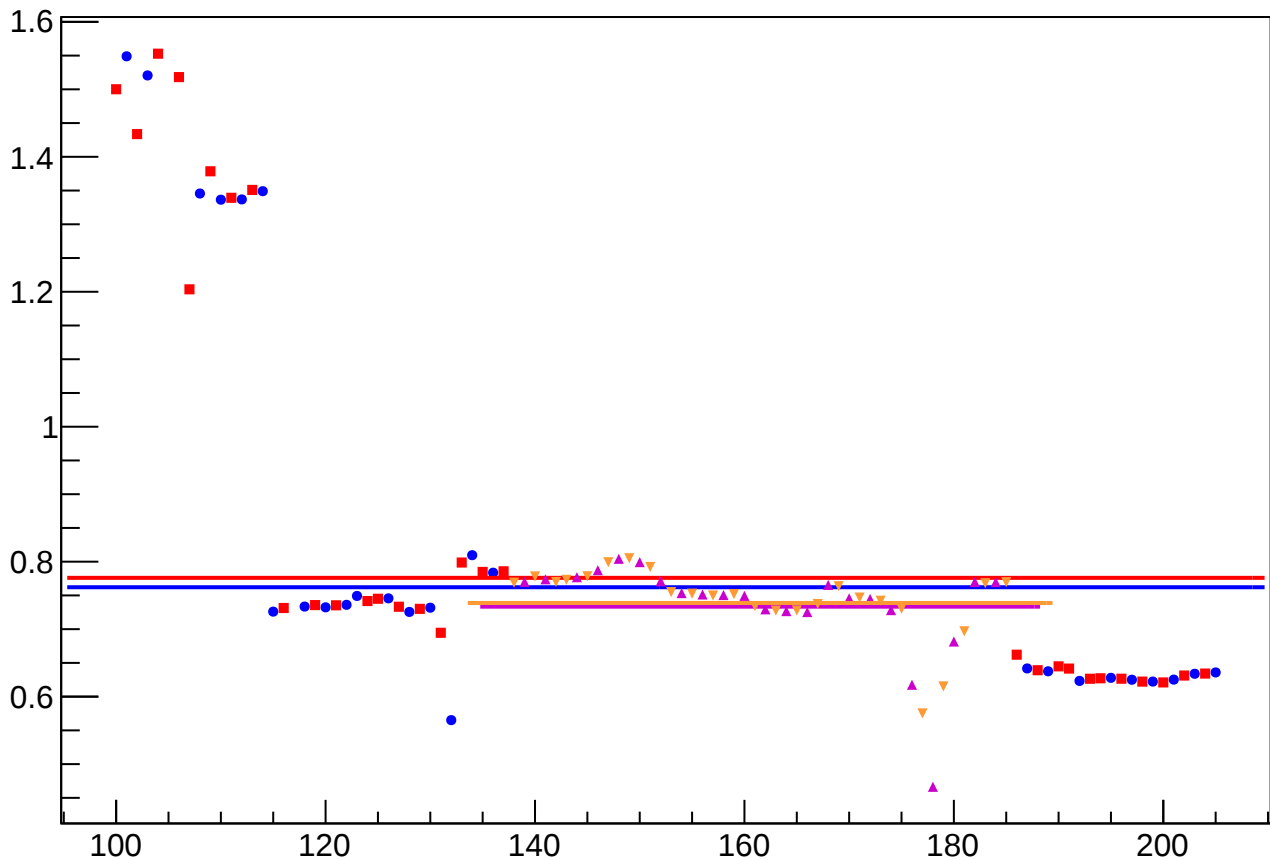
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.021+/-0.000 χ^2/NDF : 7464802.2/50

All: 0.021+/-0.000 χ^2/NDF : 15795800.7/103

- sign 0.021+/-0.000 χ^2/NDF : 8313152.8/52

yield_bpm4acY_mean vs Slug



Right In: 0.762 $\pm$ 0.000 χ^2 /NDF: 3375496236.9/25

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

+ sign 0.746 $\pm$ 0.000 χ^2 /NDF: 3729000961.5/50

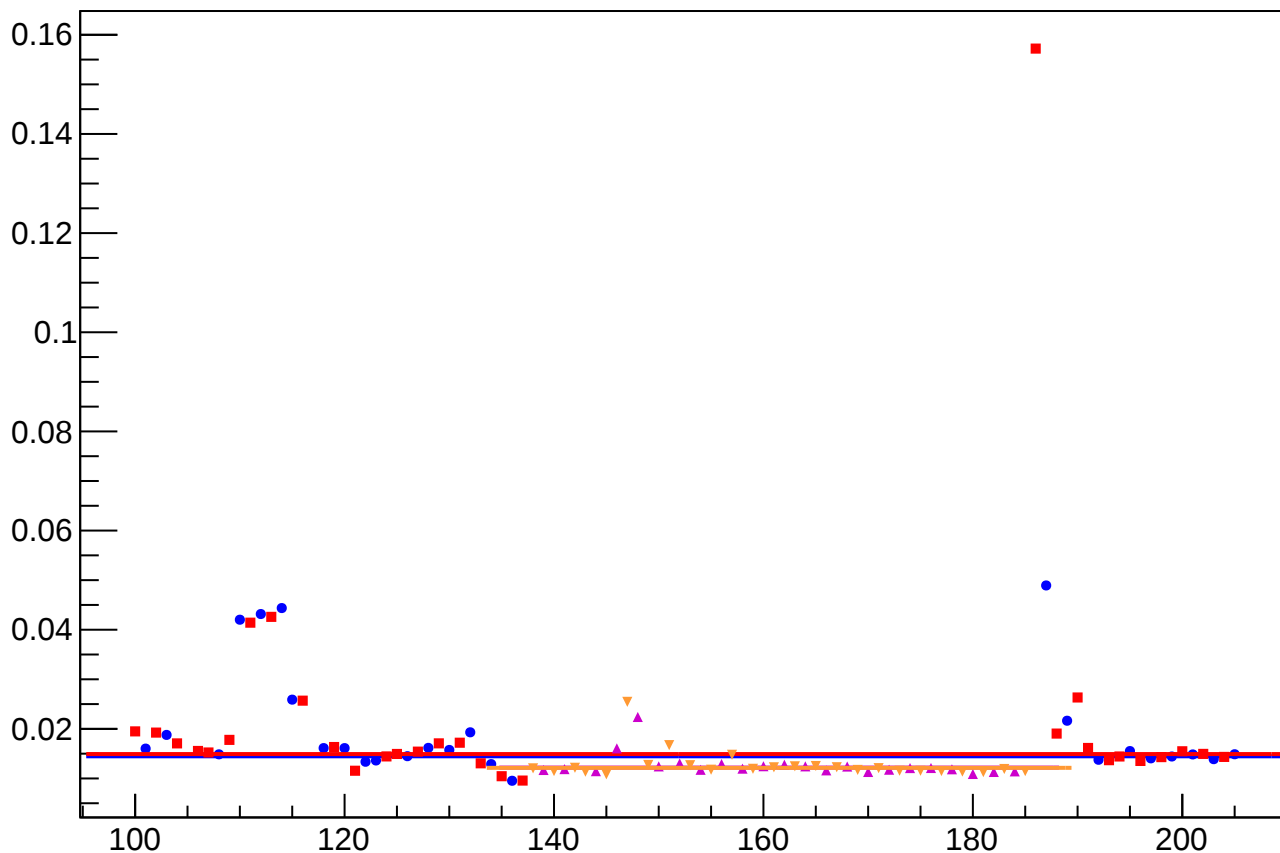
Right Out: 0.776 $\pm$ 0.000 χ^2 /NDF: 3681962782.6/29

All: 0.747 $\pm$ 0.000 χ^2 /NDF: 8049328141.1/10

- sign 0.747 $\pm$ 0.000 χ^2 /NDF: 4320190965.6/52

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1645790.3/25

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2078113.9/29

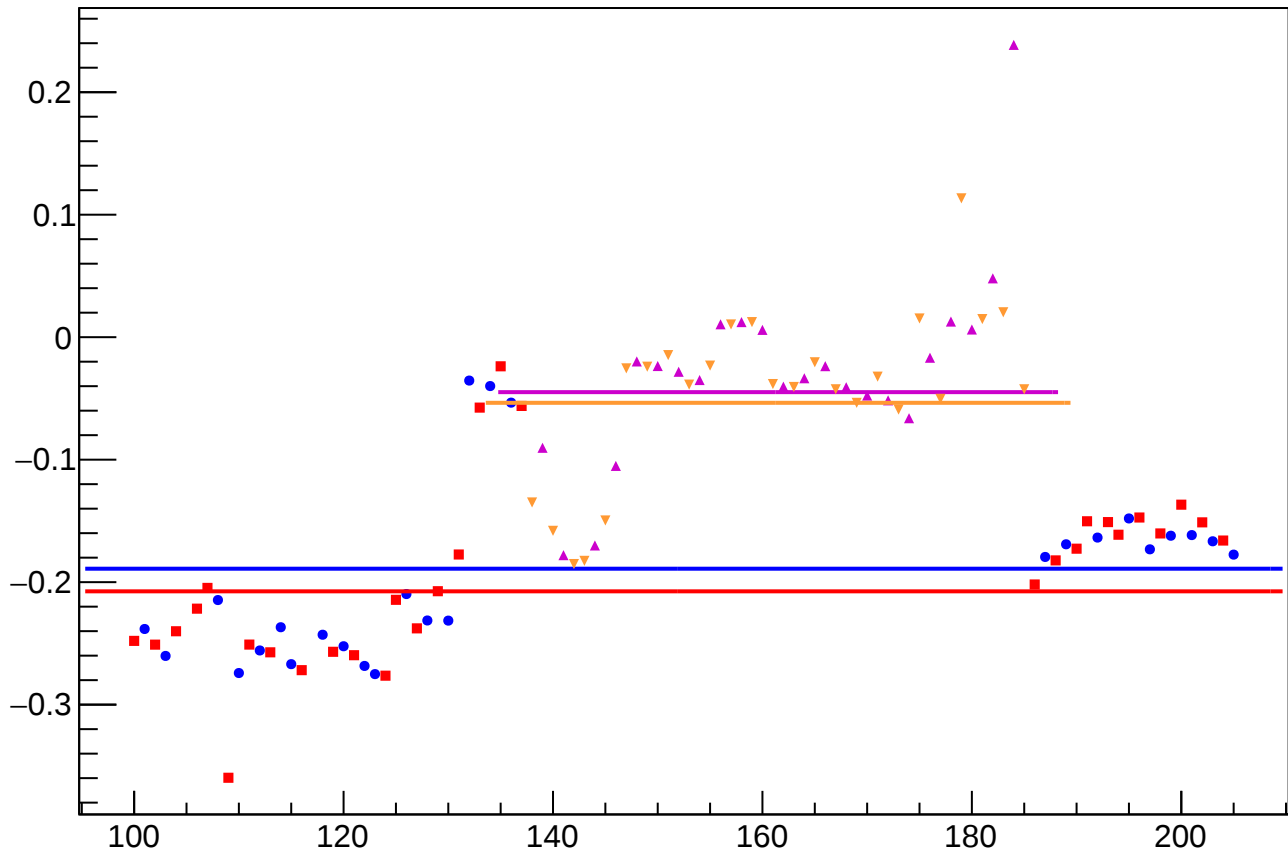
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2691369.5/50

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5813800.2/103

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3114393.2/52

yield_bpm4ecX_mean vs Slug



Right In: -0.189 ± 0.000 χ^2/NDF : 106882758.7/25

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.207 ± 0.000 χ^2/NDF : 113729247.2/29

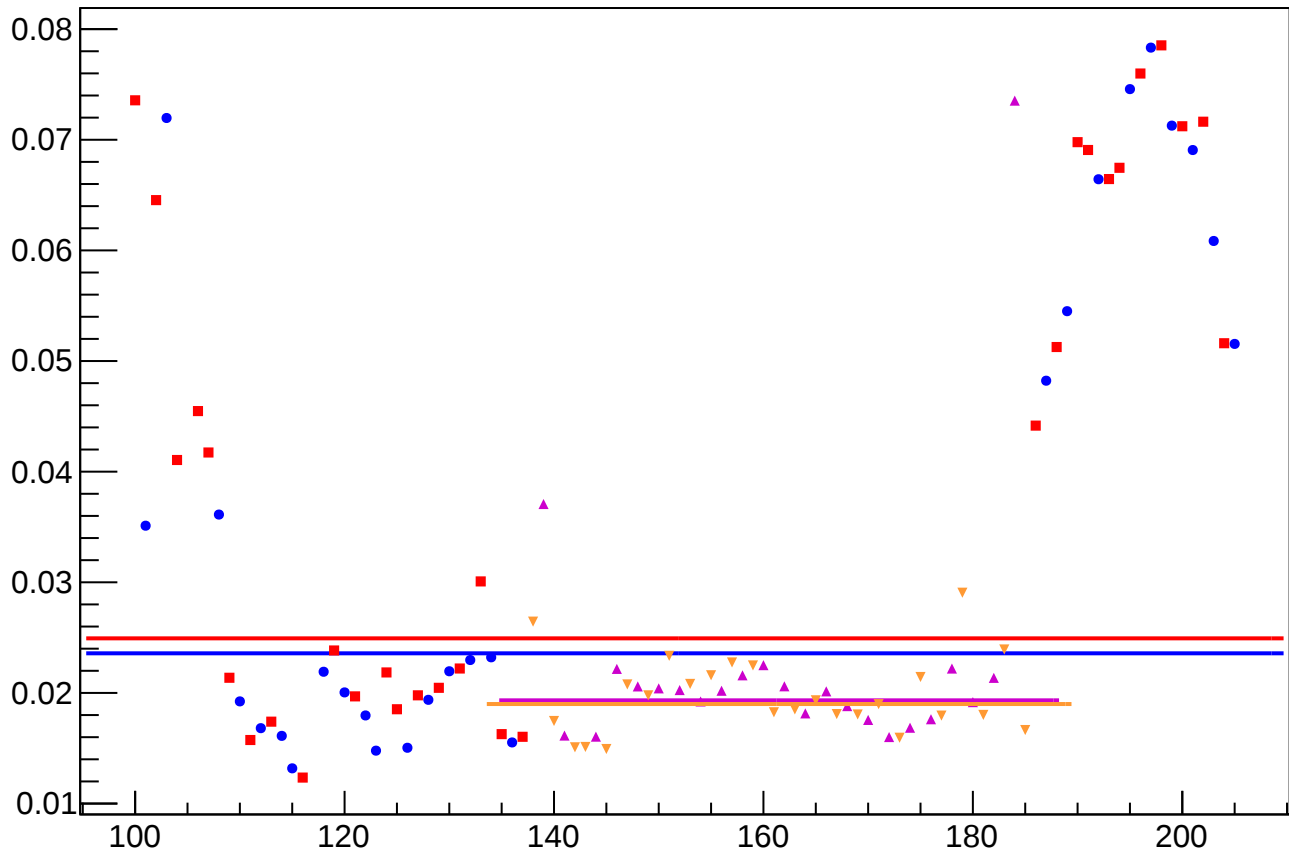
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.090 ± 0.000 χ^2/NDF : 475148181.7/50

All: -0.090 ± 0.000 χ^2/NDF : 995259242.3/10

- sign -0.091 ± 0.000 χ^2/NDF : 520093178.7/52

yield_bpm4ecX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 6709951.3/25

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:699267.5/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7291278.1/29

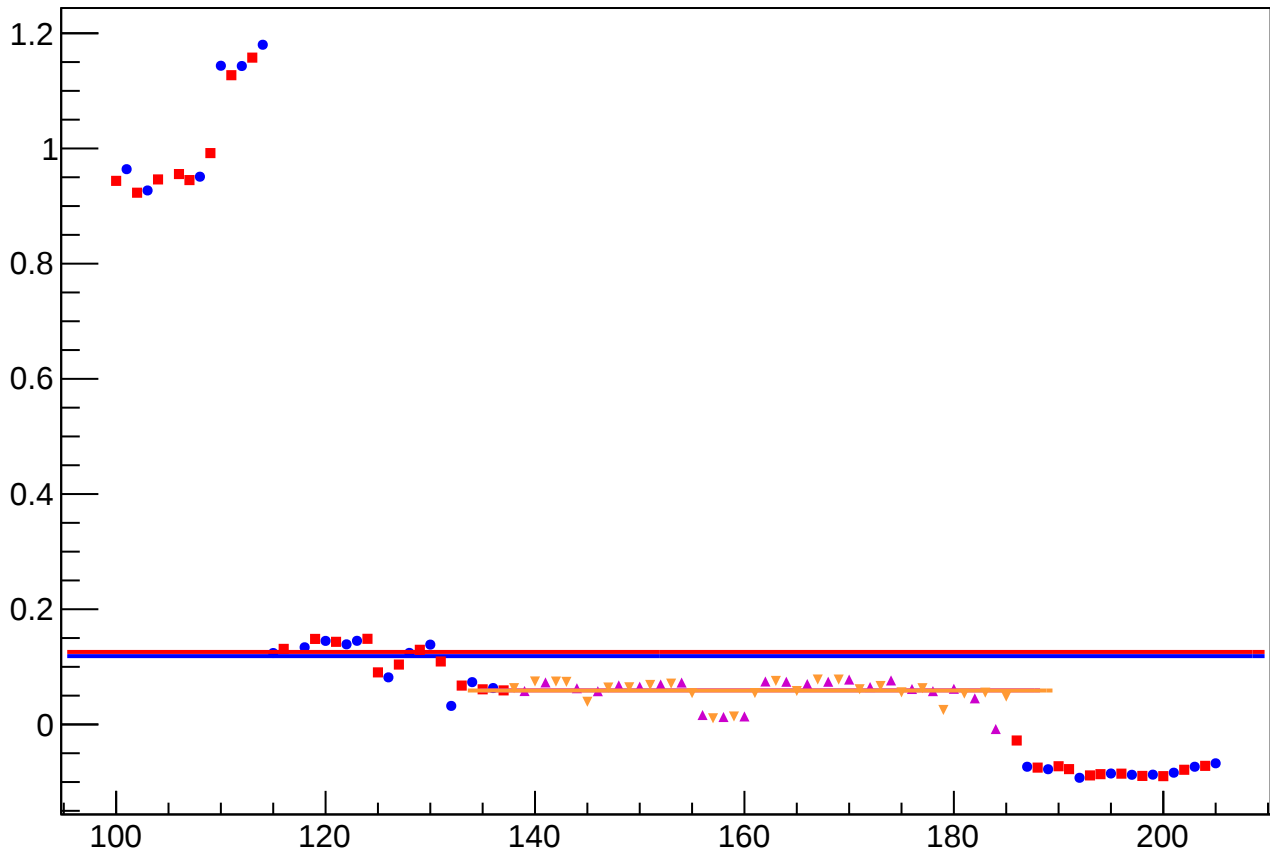
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 7868292.3/50

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 16739998.3/103

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8846579.2/52

yield_bpm4ecY_mean vs Slug



Right In: 0.119 $\pm$ 0.000 χ^2 /NDF: 7845703049.8/25

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.126 $\pm$ 0.000 χ^2 /NDF: 8817932921.6/29

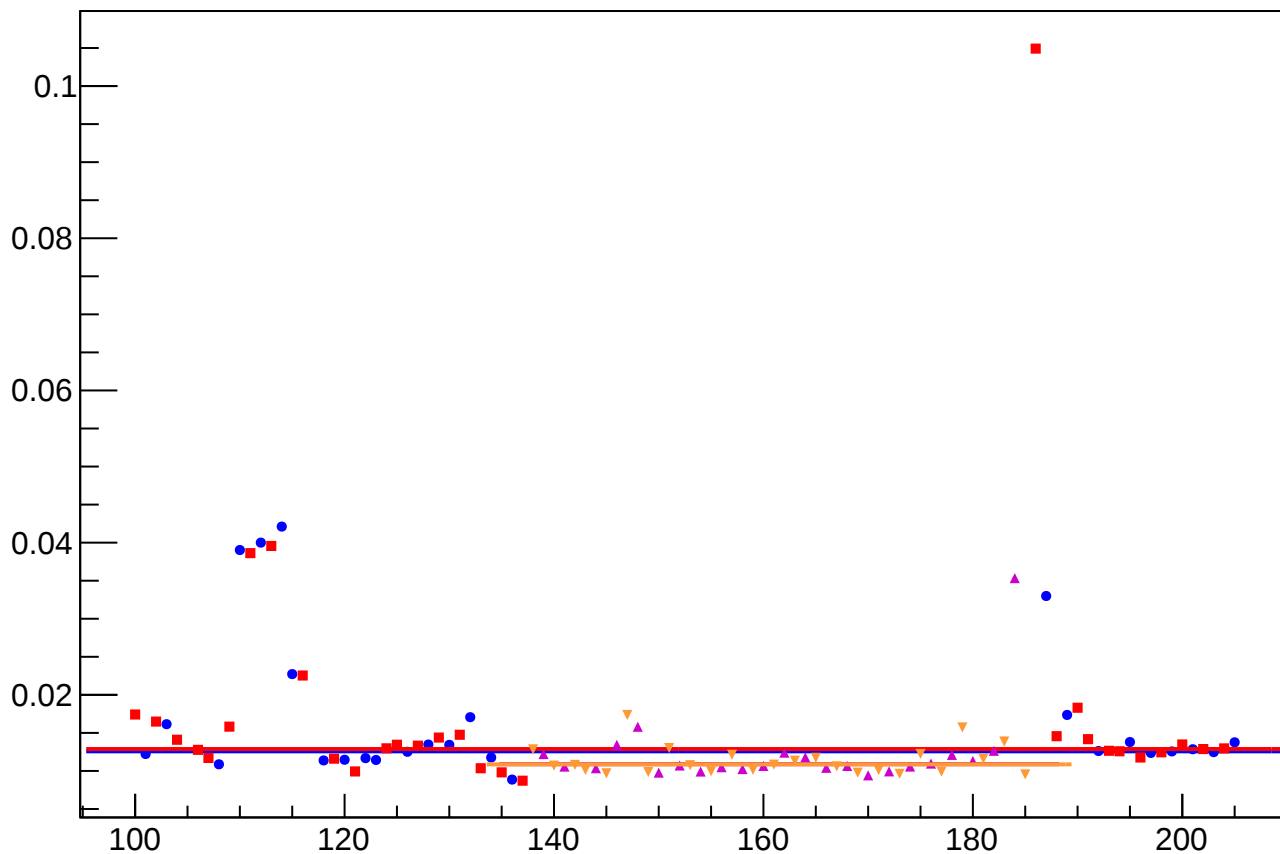
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 8065287914.8/50

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 17158071067.7/100

- sign 0.083 $\pm$ 0.000 χ^2 /NDF: 9091281951.4/52

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1489356.0/25

Left Out: 0.011+/-0.000 χ^2/NDF :605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1891196.5/29

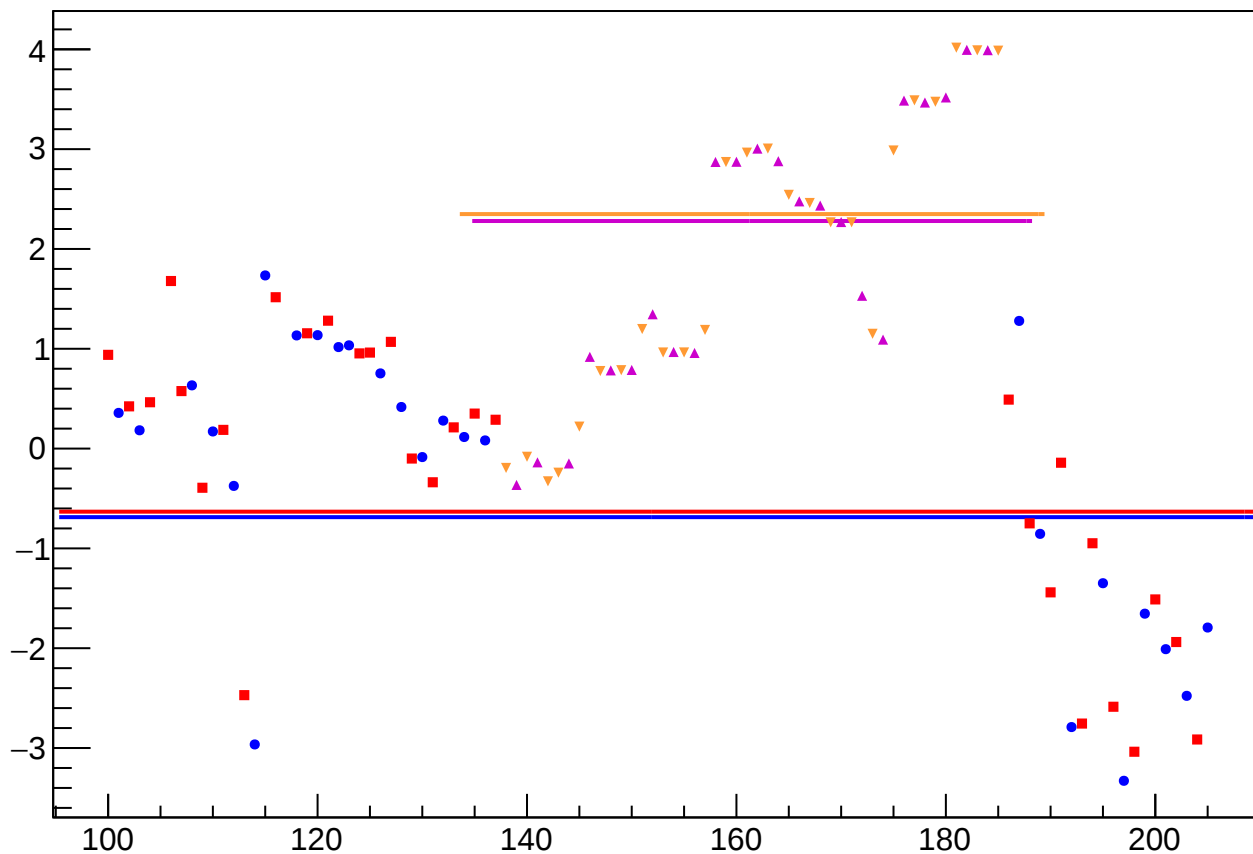
Left In: 0.011+/-0.000 χ^2/NDF :529867.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 2379284.1/50

All: 0.012+/-0.000 χ^2/NDF : 5186919.2/103

- sign 0.012+/-0.000 χ^2/NDF : 2802643.8/52

yield_bpm1X_mean vs Slug



Right In: -0.687 ± 0.000 $\chi^2/\text{NDF}: 5931748856.8/25$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.632 ± 0.000 $\chi^2/\text{NDF}: 7052651478.7/29$

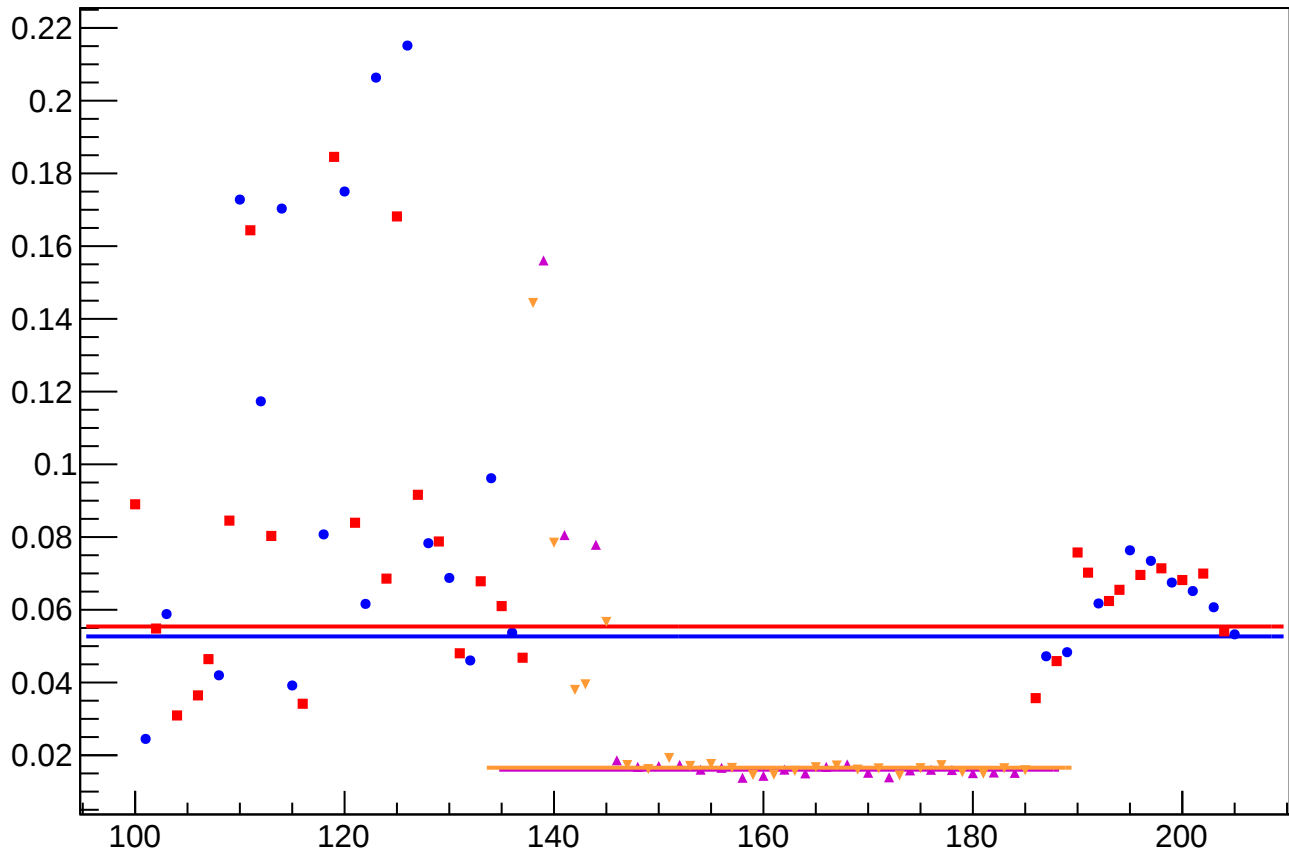
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.166 ± 0.000 $\chi^2/\text{NDF}: 98003951167.5/50$

All: 2.133 ± 0.000 $\chi^2/\text{NDF}: 193798075175.3$

- sign 2.101 ± 0.000 $\chi^2/\text{NDF}: 95678821018.3/52$

yield_bpm1X_rms vs Slug



Right In: 0.053 $\pm$ 0.000 χ^2 /NDF: 3459092.8/25

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2837195.4/29

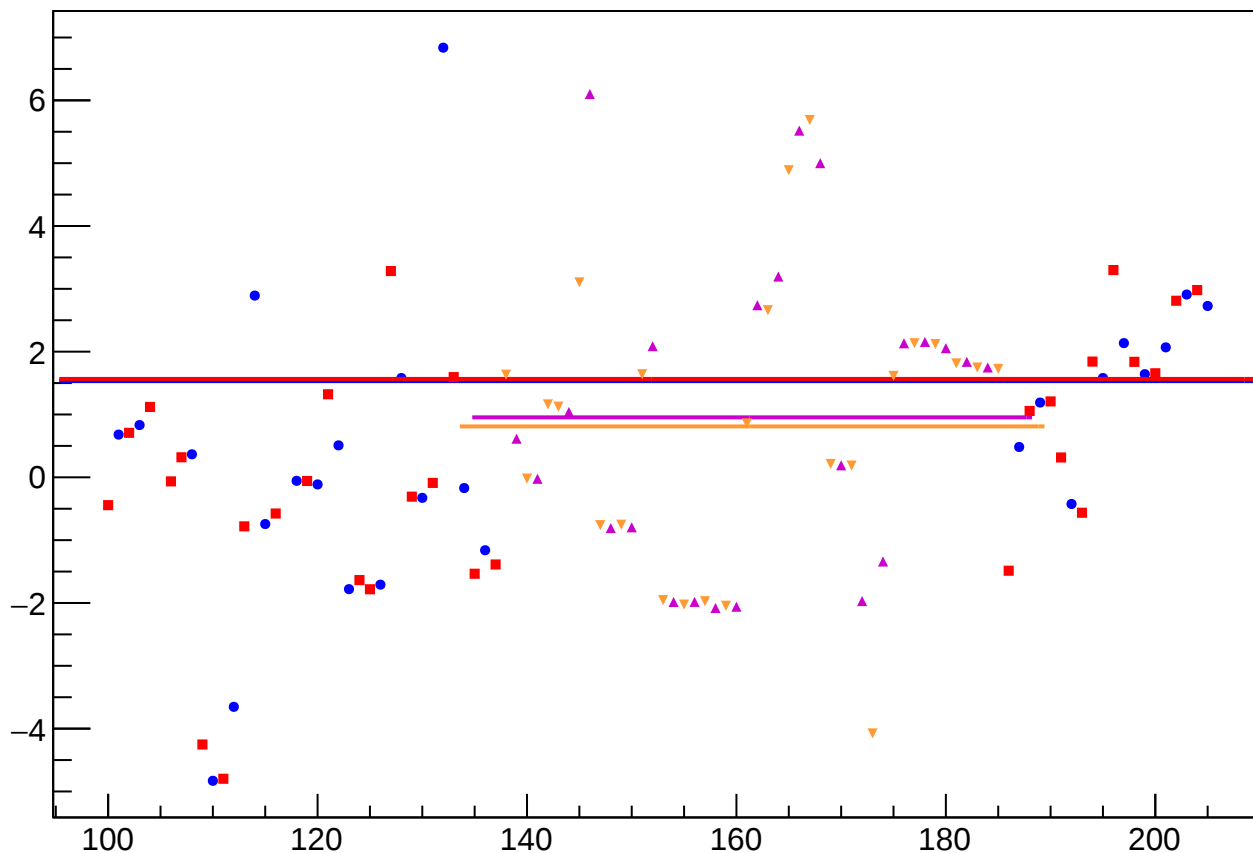
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 14130954.4/50

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 29375080.3/103

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 15238879.2/52

yield_bpm1Y_mean vs Slug



Right In: 1.531+/-0.000 χ^2/NDF : 30171918431.6/25

Left Out: 0.810+/-0.000 χ^2/NDF : 507583198570.2/24

Right Out: 1.566+/-0.000 χ^2/NDF : 31445504250.1/29

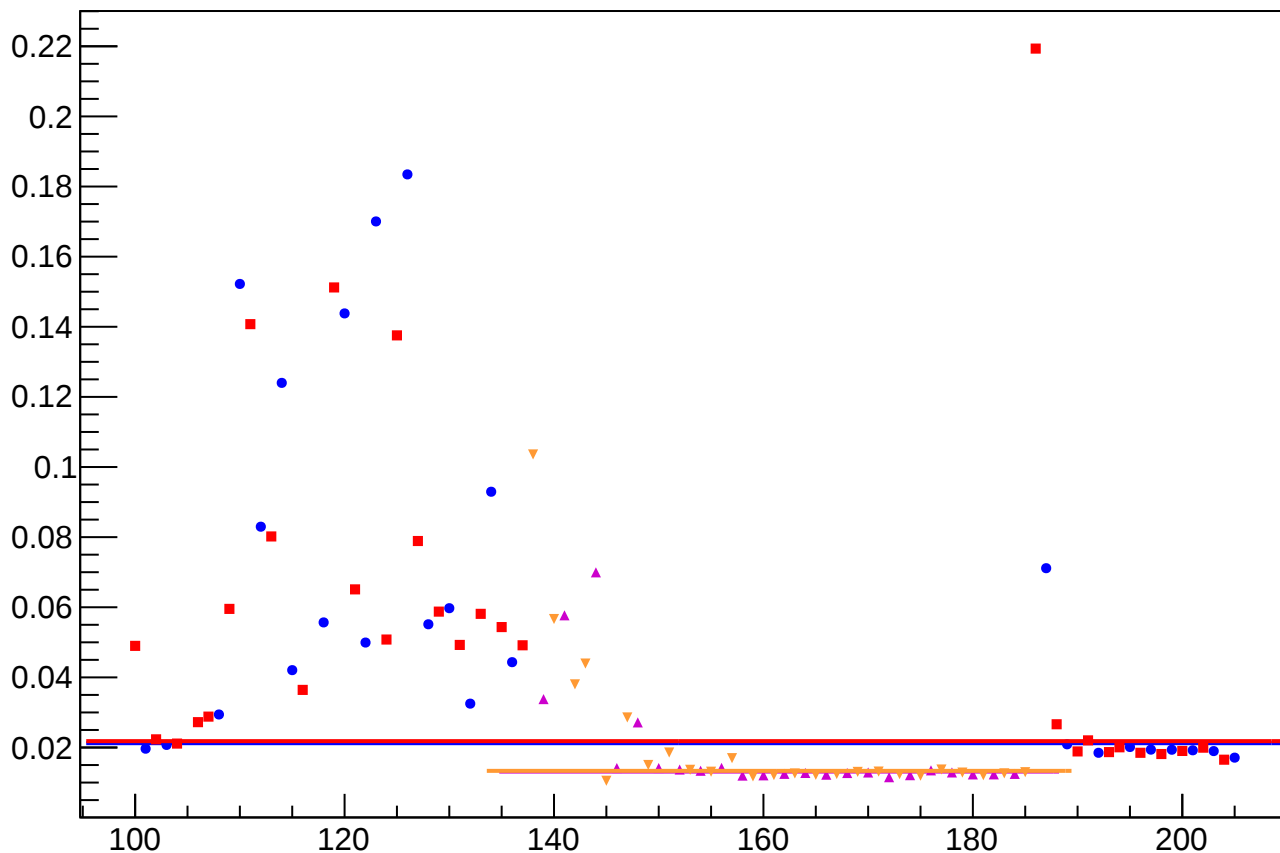
Left In: 0.954+/-0.000 χ^2/NDF : 574792794608.3/22

+ sign 0.940+/-0.000 χ^2/NDF : 545696584894.7/50

All: 1.003+/-0.000 χ^2/NDF : 1158591938345.

- sign 1.066+/-0.000 χ^2/NDF : 612070563920.3/52

yield_bpm1Y_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 3798925.6/25

Left Out: 0.013+/-0.000 χ^2/NDF : 2829070.5/24

Right Out: 0.022+/-0.000 χ^2/NDF : 4918160.8/29

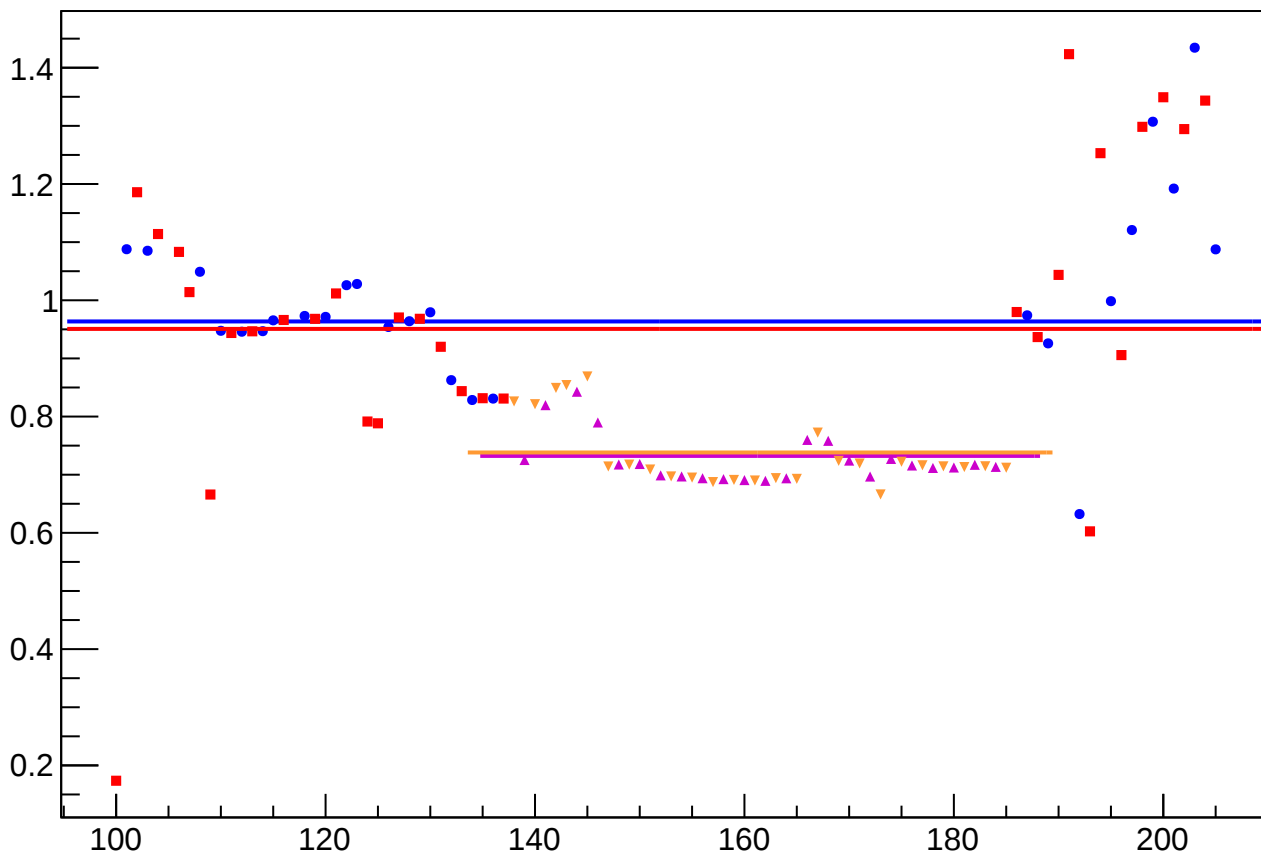
Left In: 0.013+/-0.000 χ^2/NDF : 1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8530435.9/50

All: 0.015+/-0.000 χ^2/NDF : 17767120.6/103

- sign 0.015+/-0.000 χ^2/NDF : 9236499.2/52

yield_bpm11X_mean vs Slug



Right In: 0.964 $\pm$ 0.000 χ^2 /NDF: 577056122.4/25

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310610047.7/24

Right Out: 0.951 $\pm$ 0.000 χ^2 /NDF: 995102043.3/29

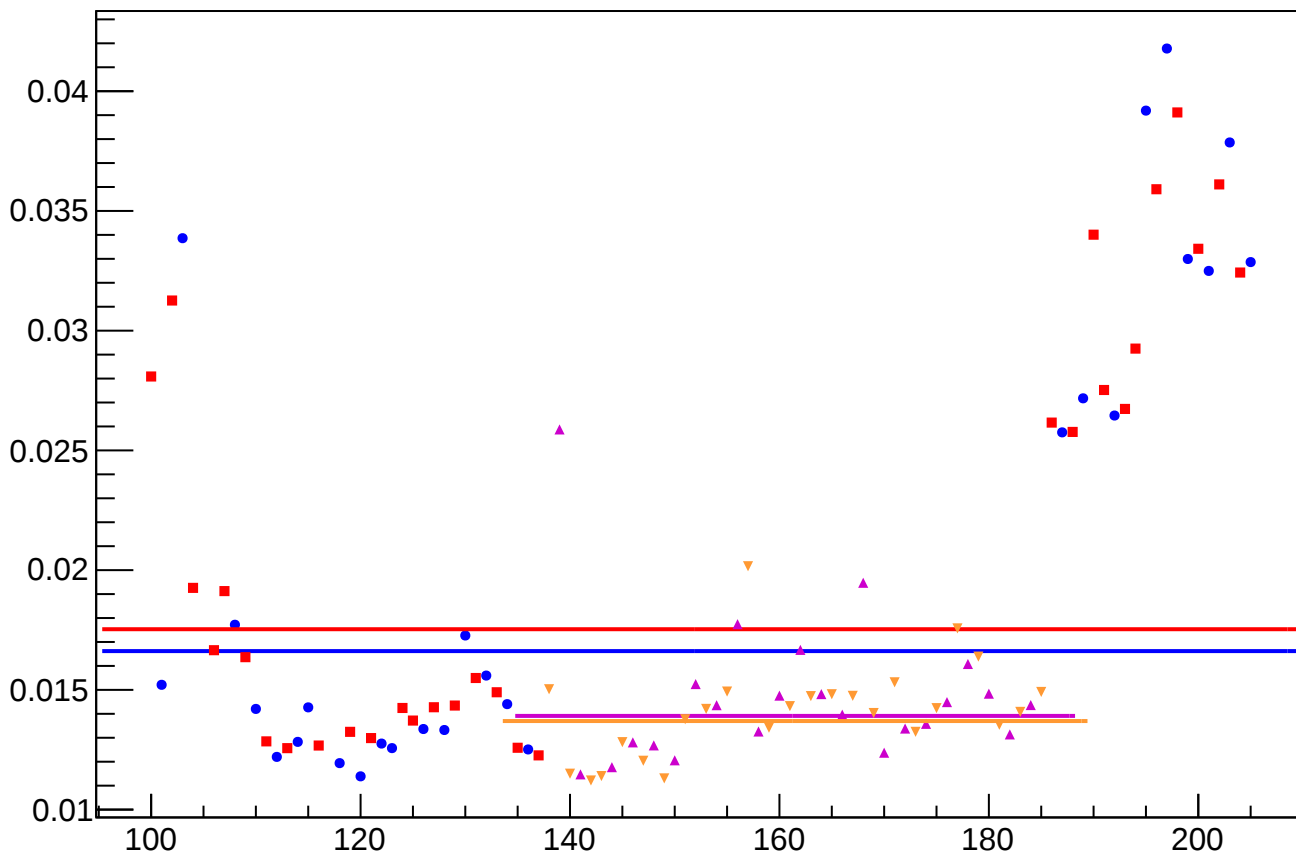
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.804 $\pm$ 0.000 χ^2 /NDF: 2174990038.9/50

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 4536360439.0/10

- sign 0.800 $\pm$ 0.000 χ^2 /NDF: 2360452359.4/52

yield_bpm11X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 4010532.2/25

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 3709005.7/29

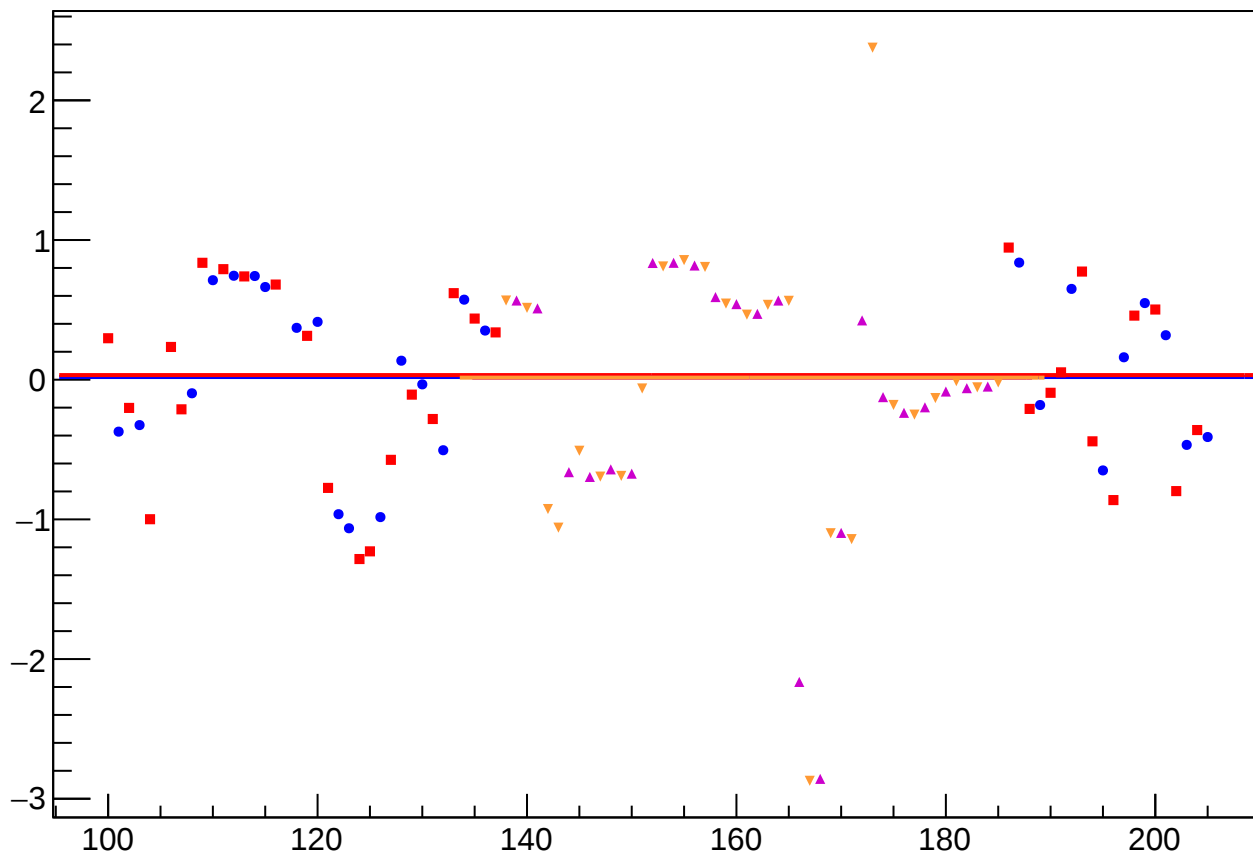
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 4973952.6/50

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 10161758.9/103

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 5159591.7/52

yield_bpm11Y_mean vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 17884895088.9/25

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.033+/-0.000 χ^2/NDF : 28153369353.8/29

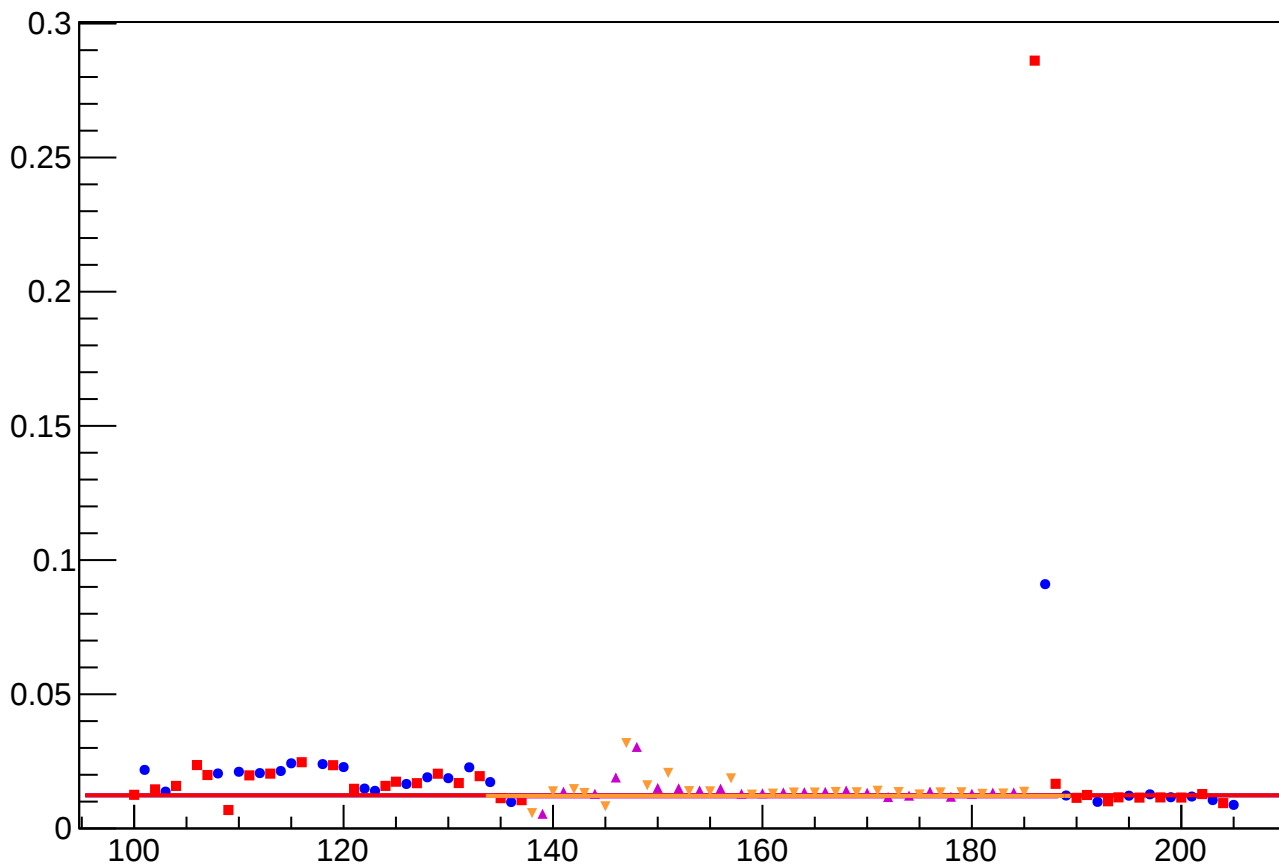
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.016+/-0.000 χ^2/NDF : 113973567531.5/50

All: 0.019+/-0.000 χ^2/NDF : 221592527121.6

- sign 0.021+/-0.000 χ^2/NDF : 107616817604.6/52

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2199157.1/25

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2657790.1/29

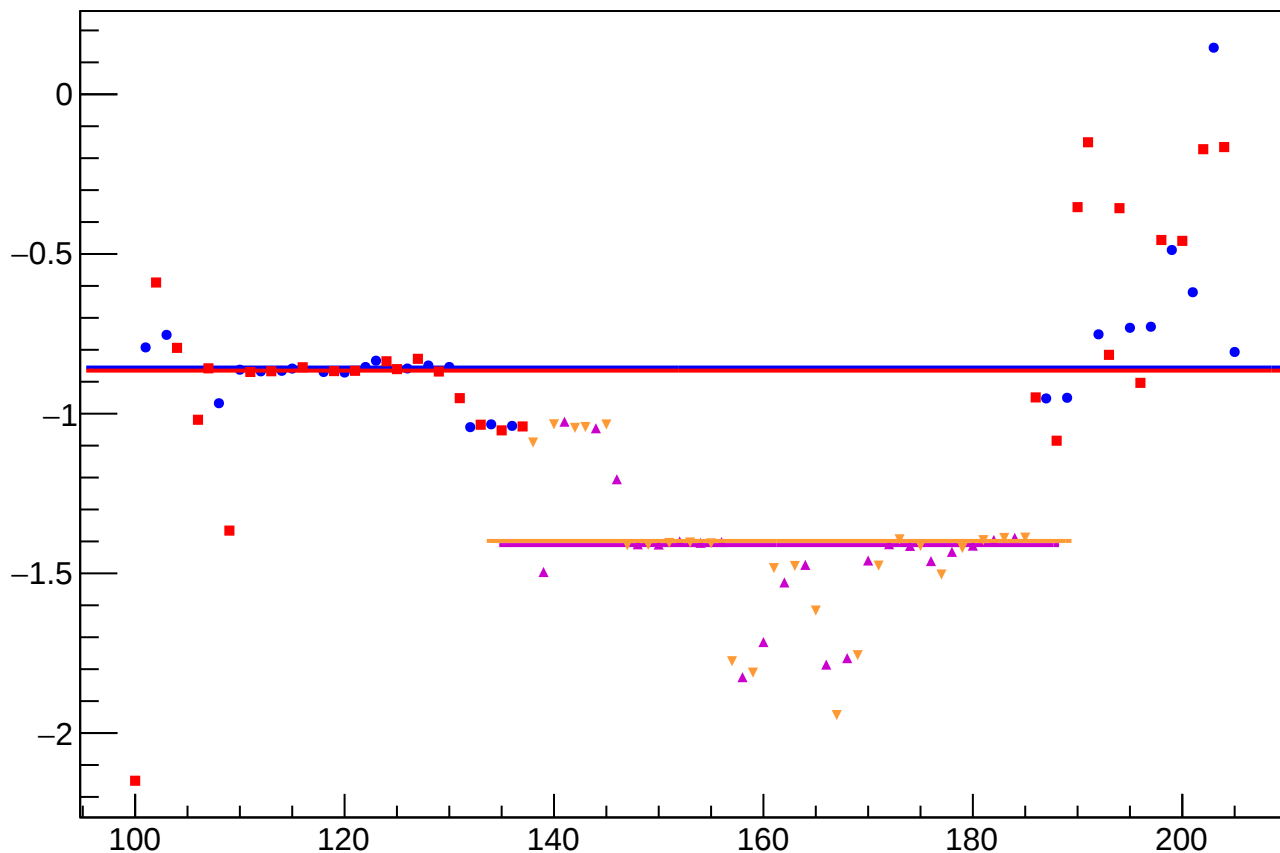
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5310493.3/50

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11092064.5/103

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5780069.0/52

yield_bpm12X_mean vs Slug



Right In: -0.856 ± 0.000 $\chi^2/\text{NDF}: 168609339.5/25$

Left Out: -1.398 ± 0.000 $\chi^2/\text{NDF}: 734579404.3/24$

Right Out: -0.865 ± 0.000 $\chi^2/\text{NDF}: 368233790.7/29$

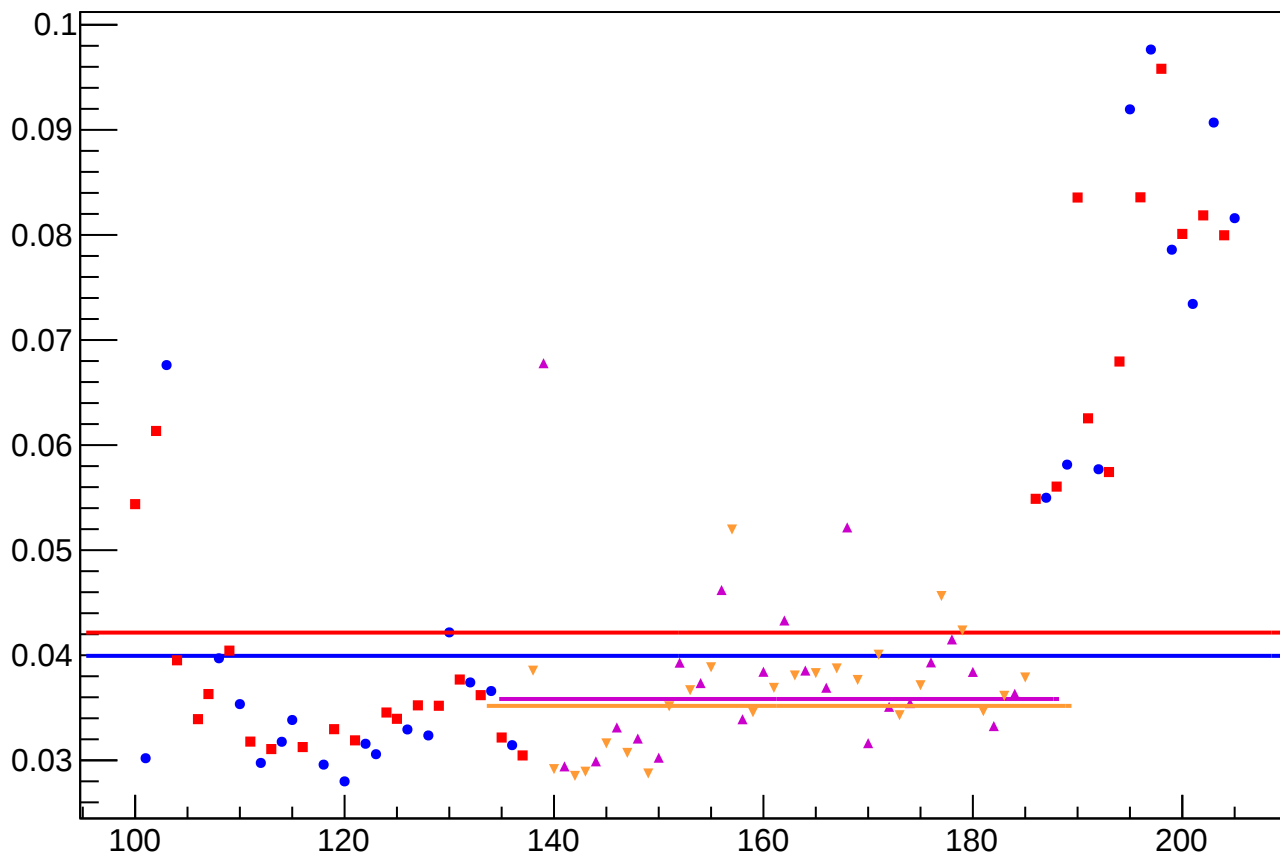
Left In: -1.412 ± 0.000 $\chi^2/\text{NDF}: 512629872.4/22$

+ sign -1.221 ± 0.000 $\chi^2/\text{NDF}: 2156667483.5/50$

All: -1.221 ± 0.000 $\chi^2/\text{NDF}: 4283633002.9/1$

- sign -1.221 ± 0.000 $\chi^2/\text{NDF}: 2126963844.0/52$

yield_bpm12X_rms vs Slug



Right In: 0.040 $\pm$ 0.000 χ^2 /NDF: 3669899.1/25

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 3207143.9/29

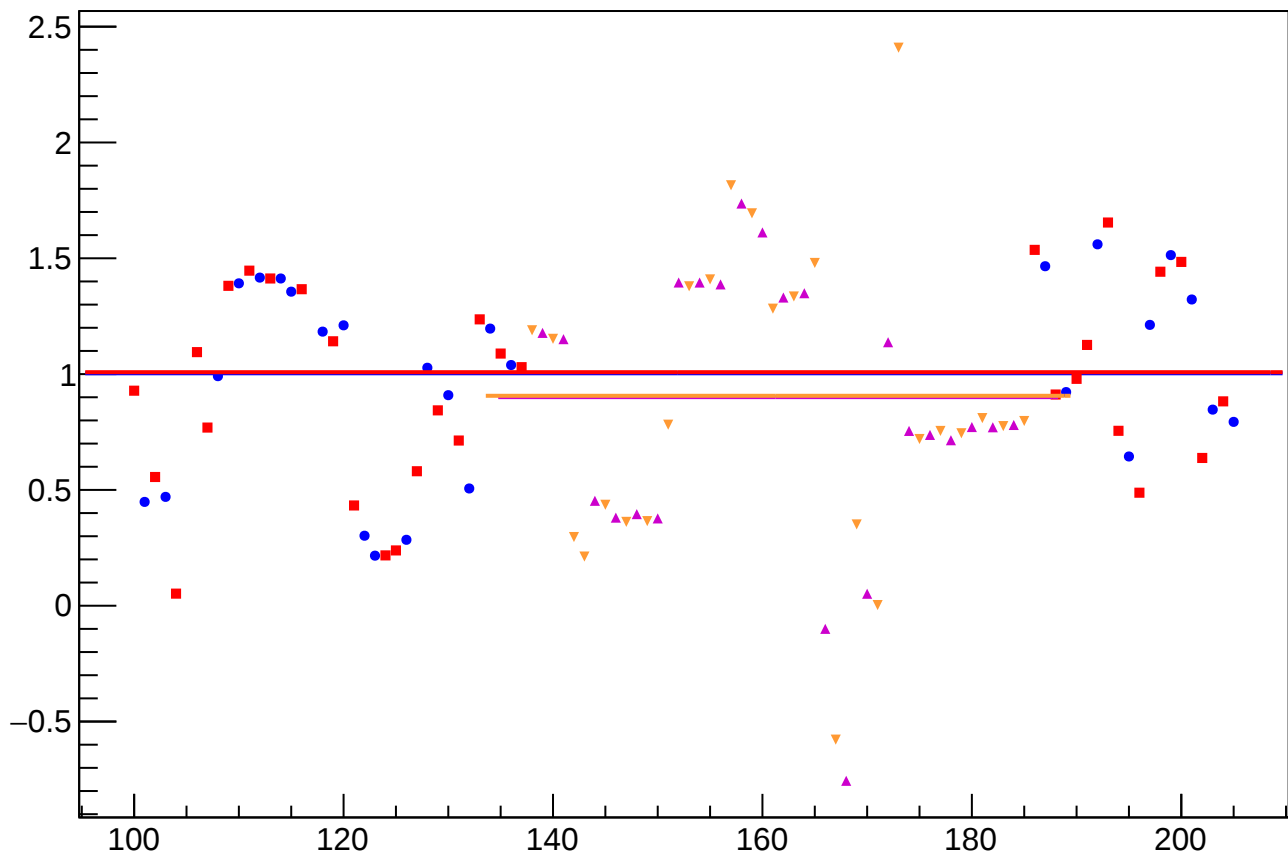
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 4460627.3/50

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 8923874.4/103

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 4431442.4/52

yield_bpm12Y_mean vs Slug



Right In: 1.004+/-0.000 χ^2/NDF : 20536489994.1/25

Left Out: 0.906+/-0.000 χ^2/NDF : 84108410196.2/24

Right Out: 1.008+/-0.000 χ^2/NDF : 25333357631.8/29

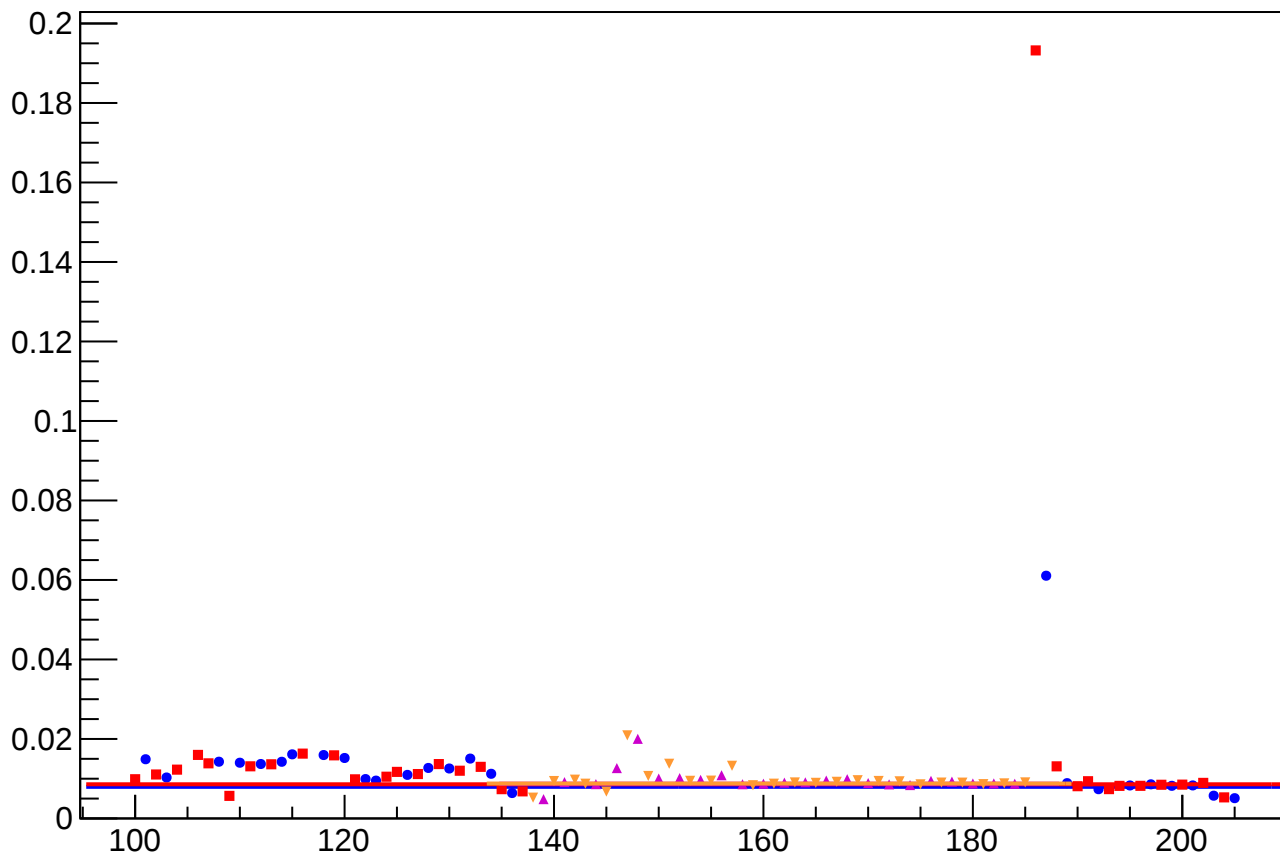
Left In: 0.901+/-0.000 χ^2/NDF : 66932223067.8/22

+ sign 0.949+/-0.000 χ^2/NDF : 105542664341.7/50

All: 0.948+/-0.000 χ^2/NDF : 198845968840.0

- sign 0.947+/-0.000 χ^2/NDF : 93302776576.6/52

yield_bpm12Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2721172.8/25

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2795965.3/29

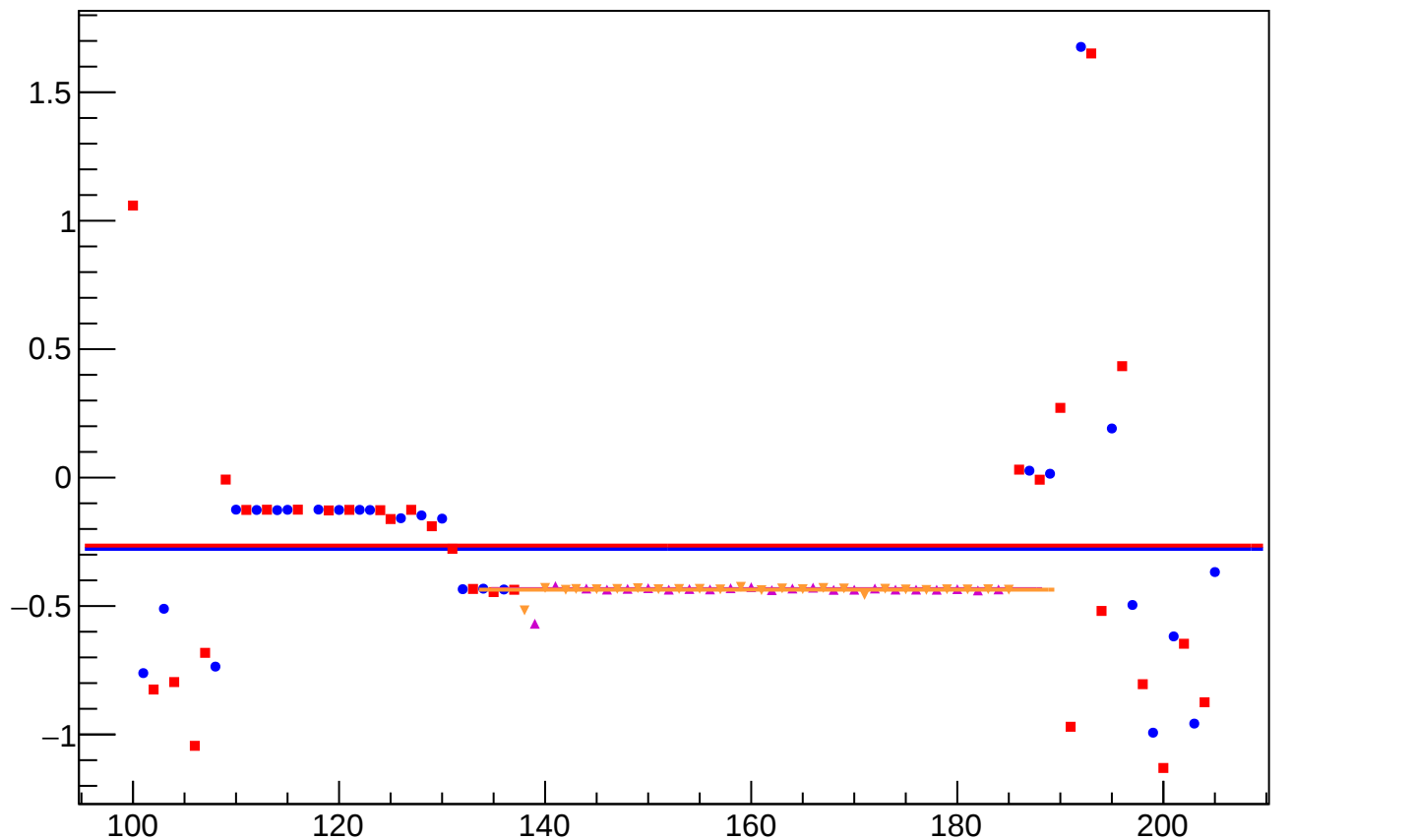
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 4549945.5/50

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 9043112.8/103

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4469358.0/52

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 2134204557.3/25

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.265 ± 0.000 χ^2/NDF : 2155928926.4/29

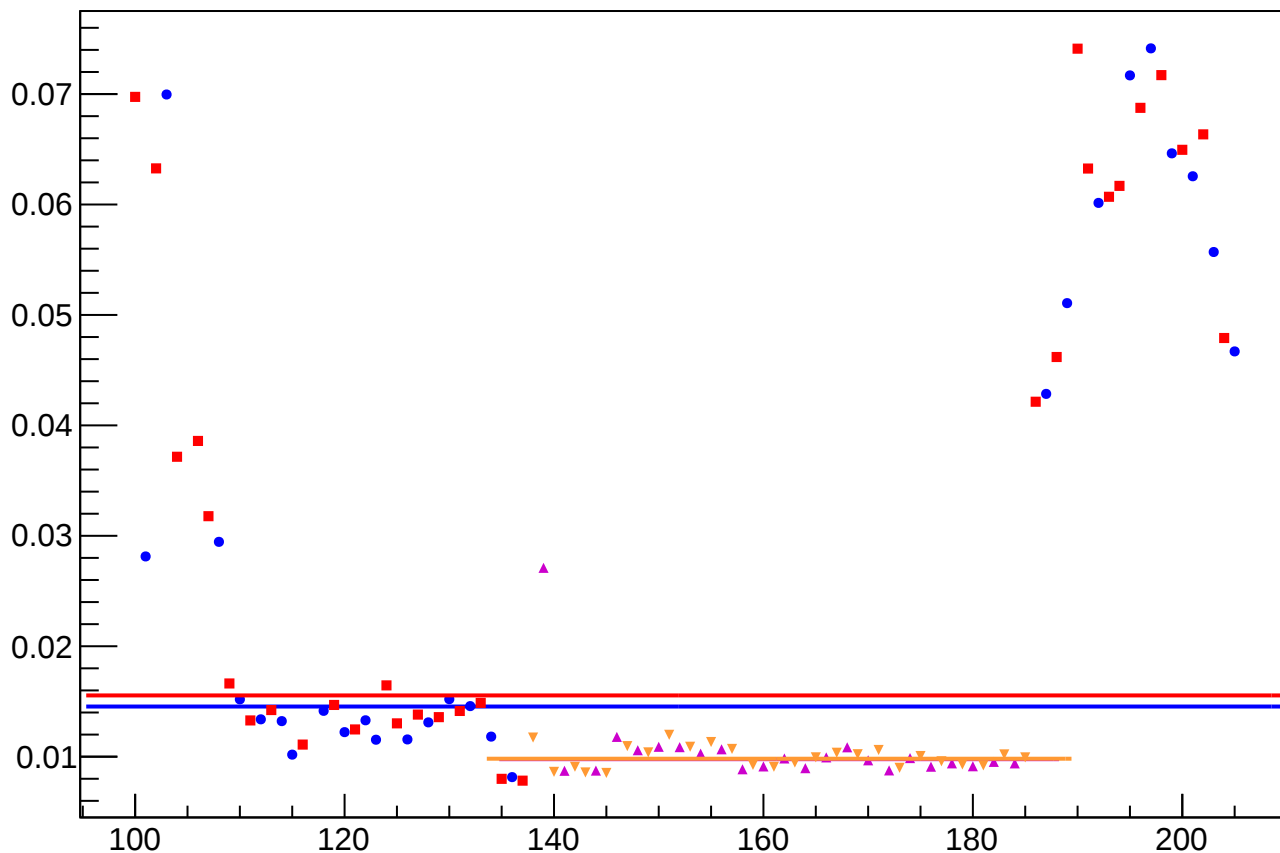
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.409 ± 0.000 χ^2/NDF : 2858957515.4/50

All: -0.407 ± 0.000 χ^2/NDF : 5791673864.2/1

- sign -0.405 ± 0.000 χ^2/NDF : 2930952728.8/52

yield_bpm16X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 8972192.4/25

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:271172.3/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 9828554.4/29

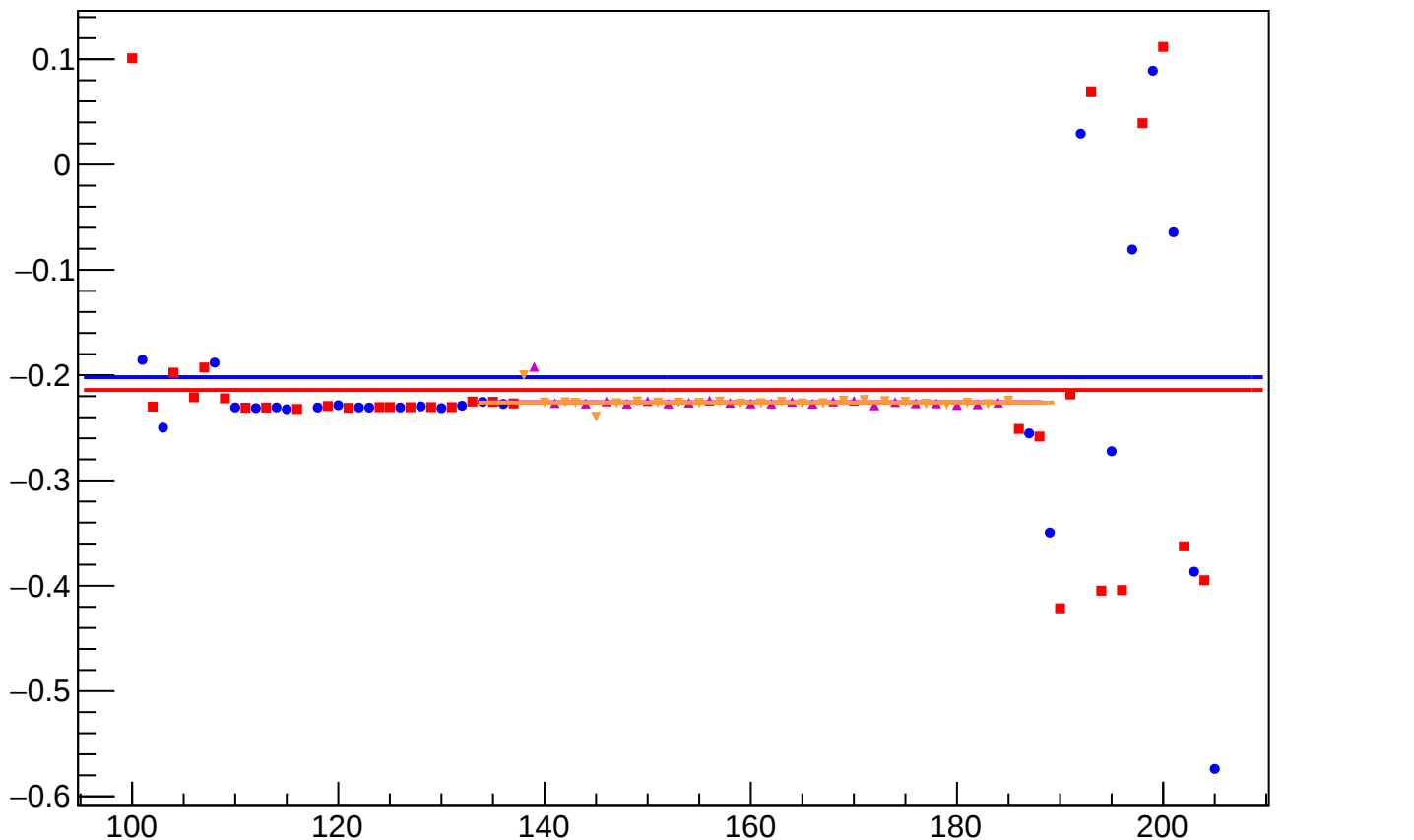
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 10476452.8/50

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 22850834.8/103

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 12370318.8/52

yield_bpm16Y_mean vs Slug



Right In: -0.202+/-0.000 χ^2/NDF : 7647089190.3/25

Left Out: -0.226+/-0.000 χ^2/NDF : 21207366.3/24

Right Out: -0.214+/-0.000 χ^2/NDF : 8458087722.1/29

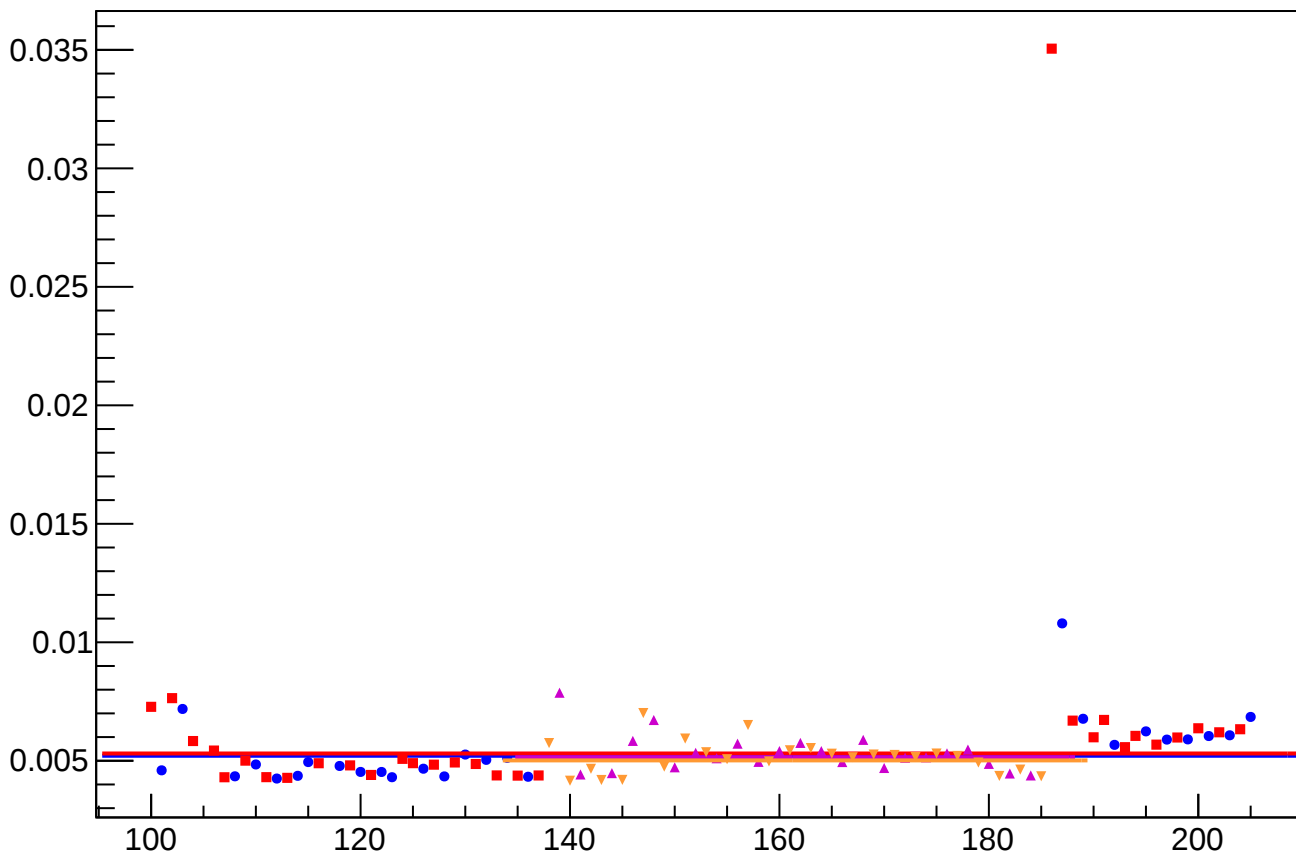
Left In: -0.226+/-0.000 χ^2/NDF : 13717302.5/22

+ sign -0.217+/-0.000 χ^2/NDF : 7821517346.6/50

All: -0.219+/-0.000 χ^2/NDF : 16337652975.3/52

- sign -0.221+/-0.000 χ^2/NDF : 8506945916.4/52

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 693063.7/25

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1168203.0/29

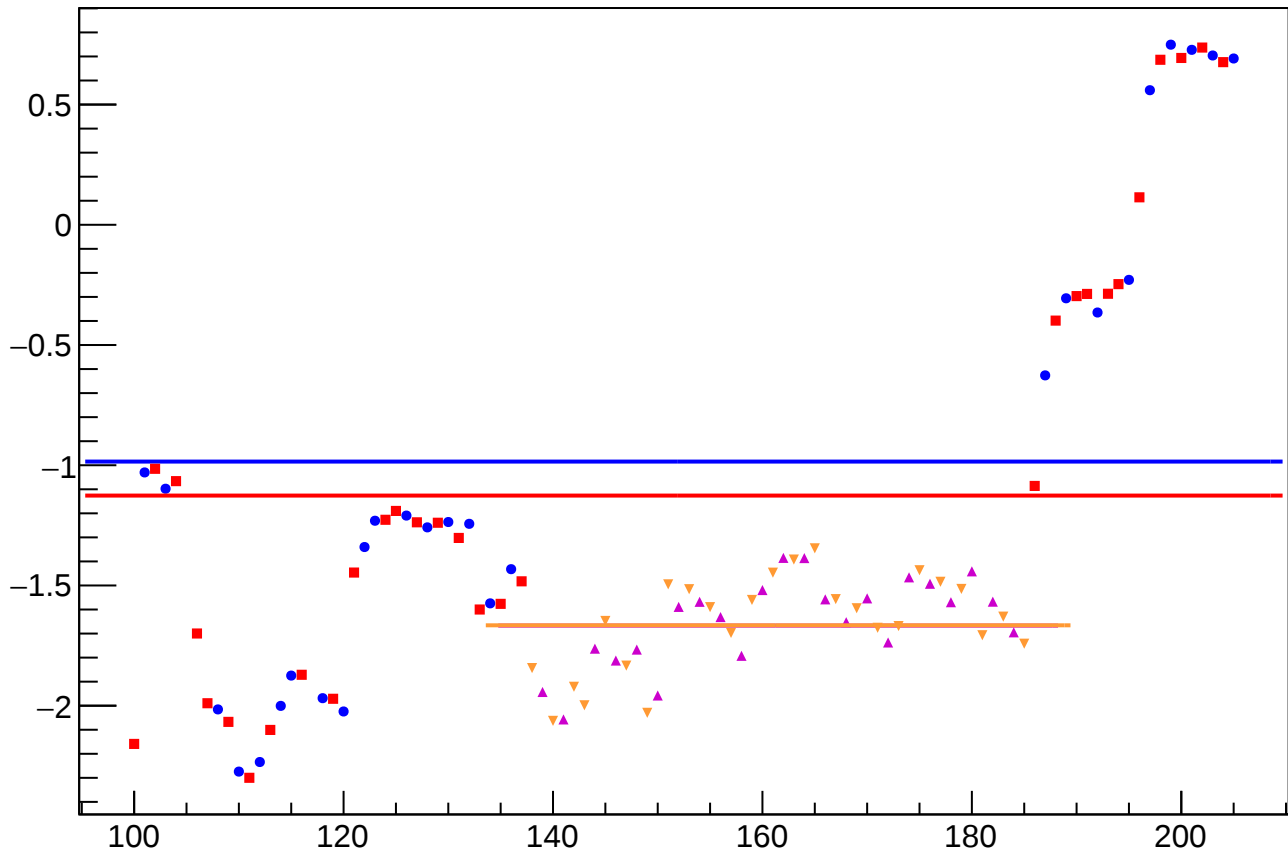
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1246070.4/50

All: 0.005+/-0.000 χ^2/NDF : 2948168.8/103

- sign 0.005+/-0.000 χ^2/NDF : 1685225.0/52

yield_bpm0l01X_mean vs Slug



Right In: -0.985+/-0.000 χ^2/NDF : 162193337877.7/25

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.126+/-0.000 χ^2/NDF : 177744312026.9/29

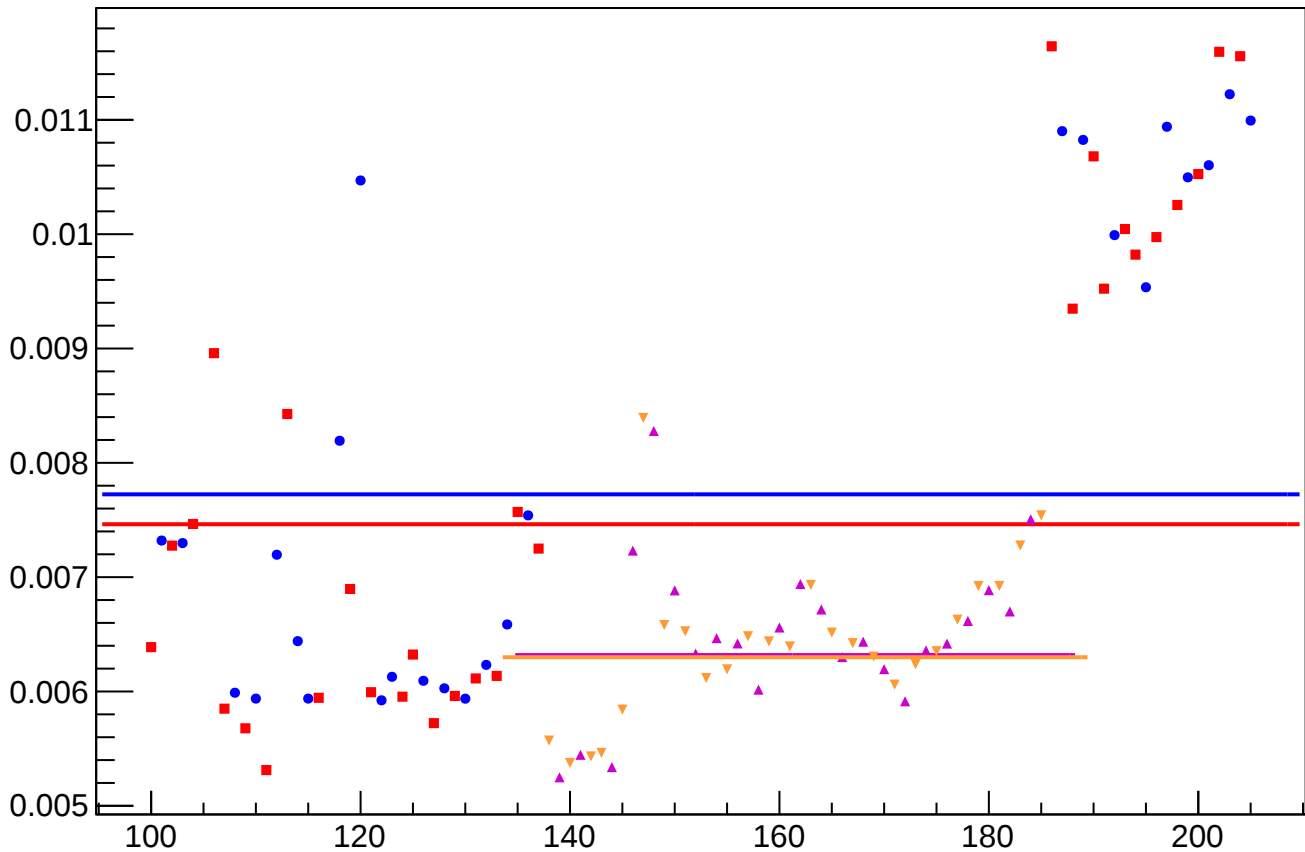
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.458+/-0.000 χ^2/NDF : 243011670618.0/50

All: -1.466+/-0.000 χ^2/NDF : 478517956077.8

- sign -1.474+/-0.000 χ^2/NDF : 235419910447.1/52

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1426807.7/25

Left Out: 0.006+/-0.000 χ^2/NDF :312811.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1722067.4/29

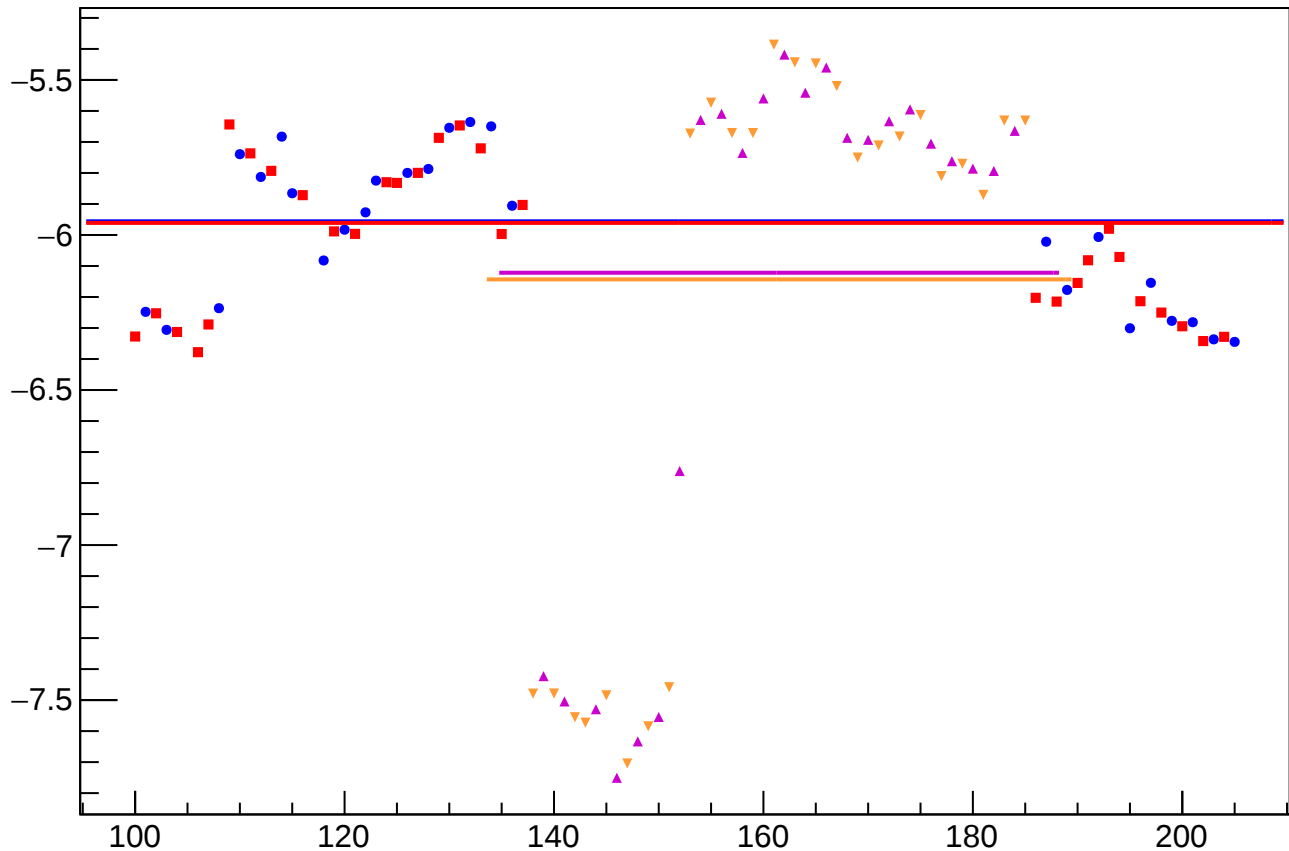
Left In: 0.006+/-0.000 χ^2/NDF :334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 2286583.8/50

All: 0.007+/-0.000 χ^2/NDF : 4728484.7/103

- sign 0.007+/-0.000 χ^2/NDF : 2441859.4/52

yield_bpm0l01Y_mean vs Slug



Right In: -5.956+/-0.000 χ^2/NDF : 14489103800.6/25

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.961+/-0.000 χ^2/NDF : 15797814150.6/29

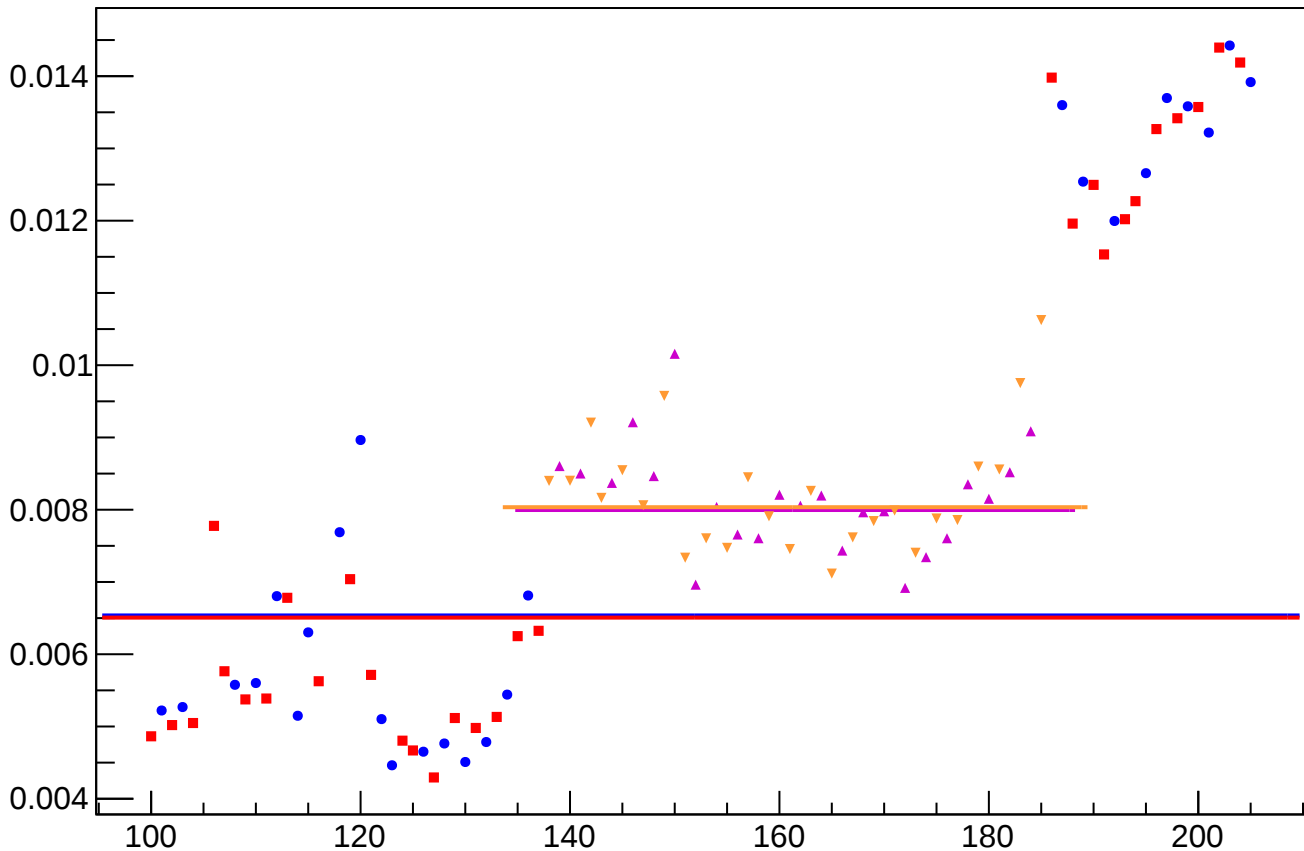
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.054+/-0.000 χ^2/NDF : 204537337680.8/50

All: -6.046+/-0.000 χ^2/NDF : 383607892964.0

- sign -6.039+/-0.000 χ^2/NDF : 179016846398.6/52

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4002119.9/25

Left Out: 0.008+/-0.000 χ^2/NDF :205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4254120.7/29

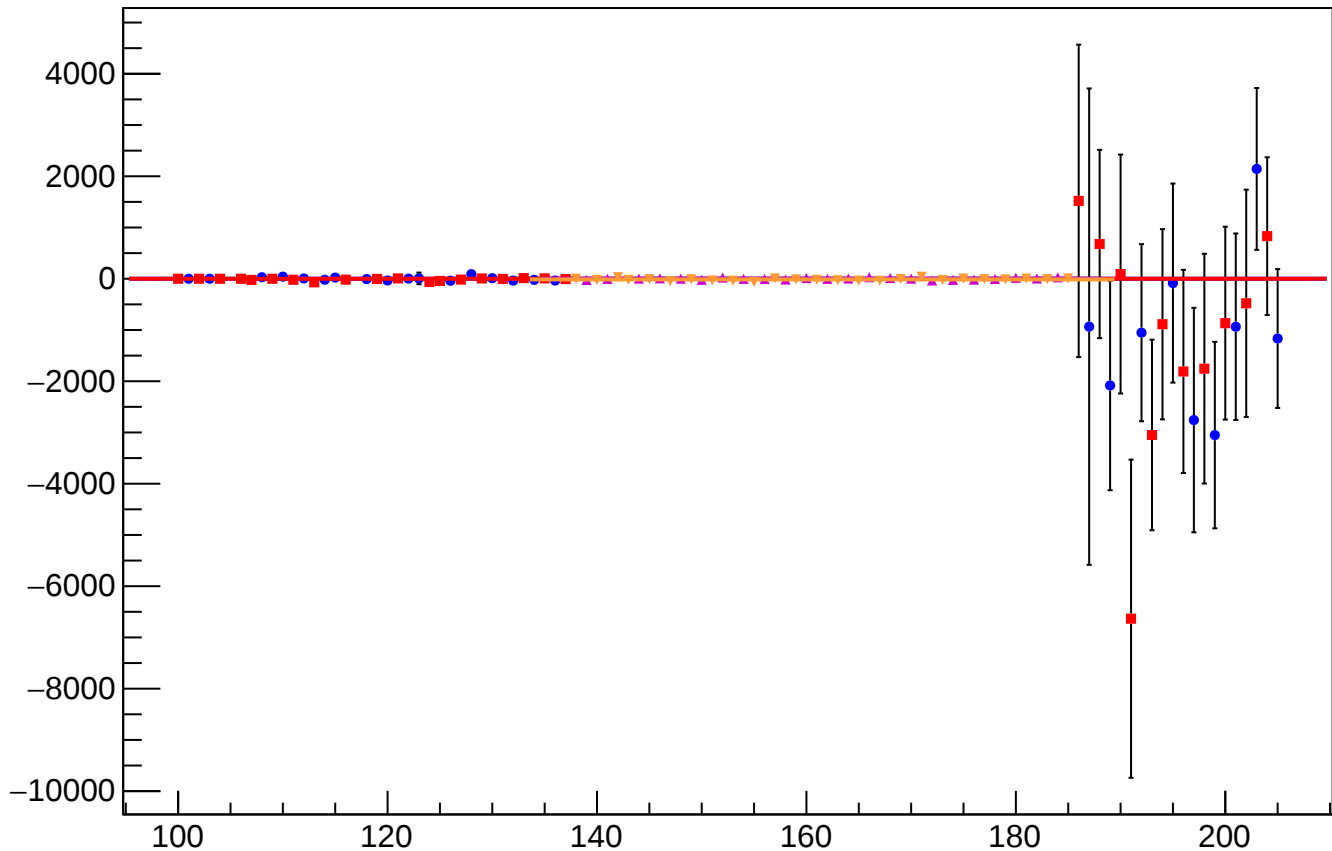
Left In: 0.008+/-0.000 χ^2/NDF :220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 4760928.2/50

All: 0.007+/-0.000 χ^2/NDF : 9807042.1/103

- sign 0.007+/-0.000 χ^2/NDF : 5042174.7/52

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 25.0/25

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 24.8/29

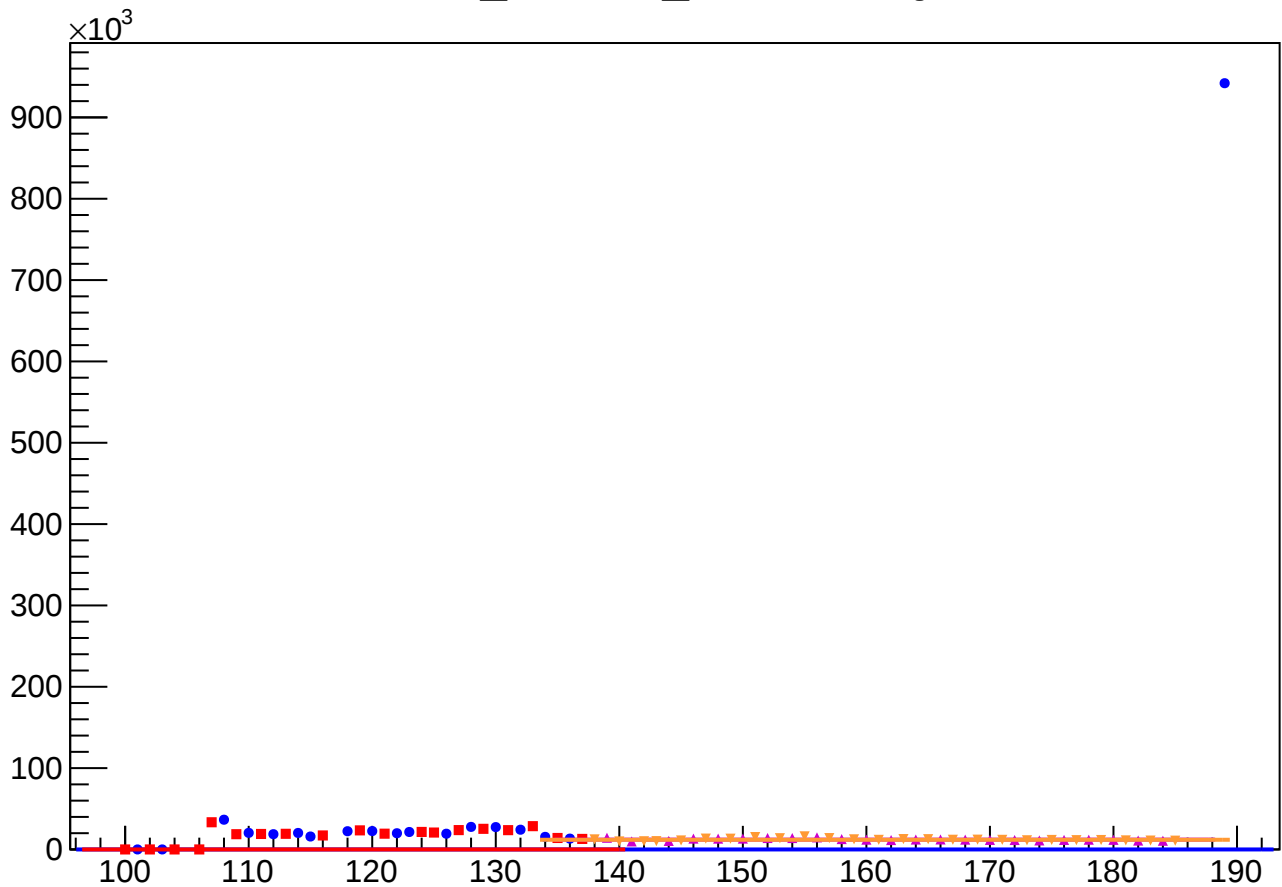
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 106.7/50

All: 0.008 ± 0.012 χ^2/NDF : 160.4/103

- sign 0.003 ± 0.016 χ^2/NDF : 53.5/52

diff_cav4bX_rms vs Slug



Right In: 18.640 $\pm$ 0.012 χ^2 /NDF: 10982766.4/17

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11056055.0/18

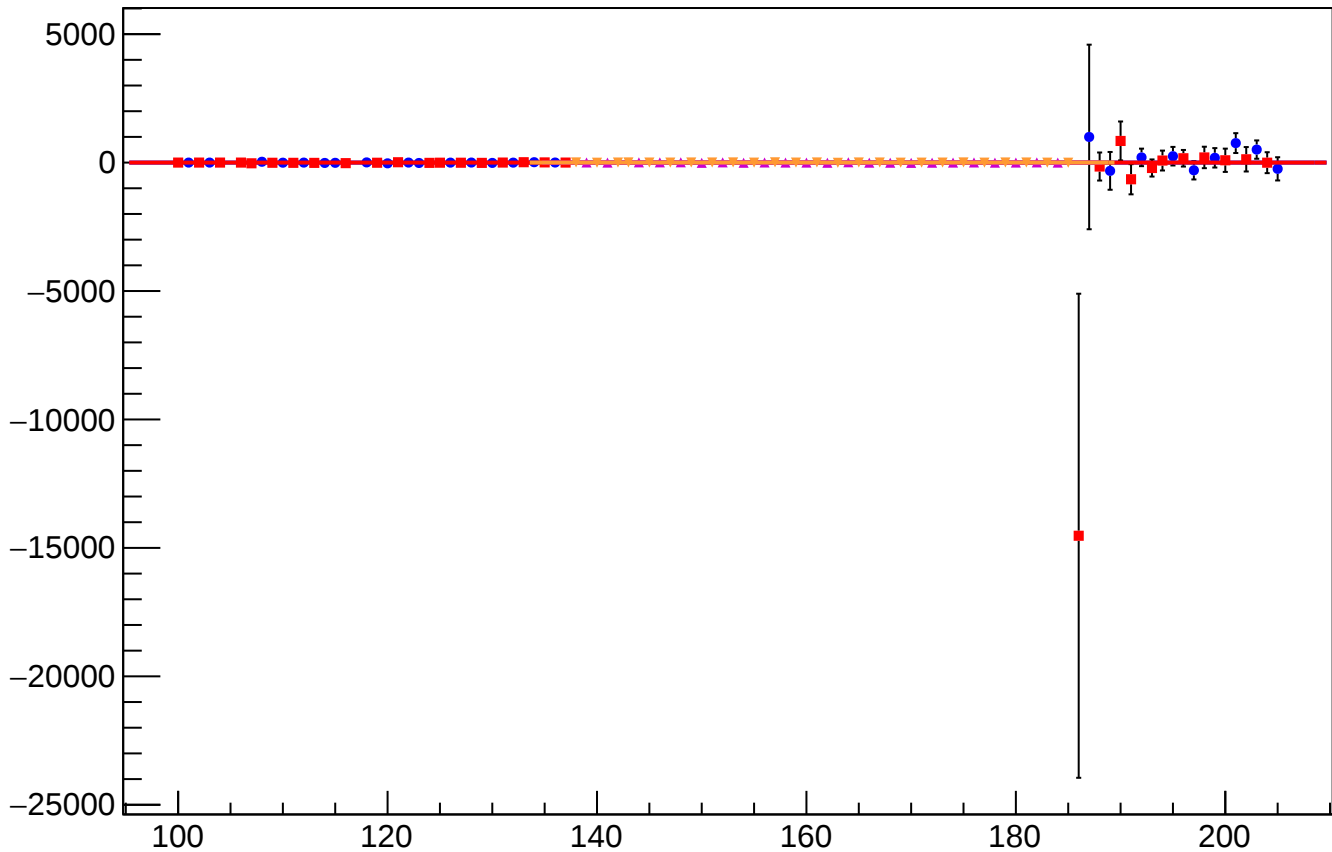
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47623008.9/42

All: 18.873 $\pm$ 0.008 χ^2 /NDF: 93432232.0/84

- sign 18.680 $\pm$ 0.011 χ^2 /NDF: 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 22.8/25

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.6/29

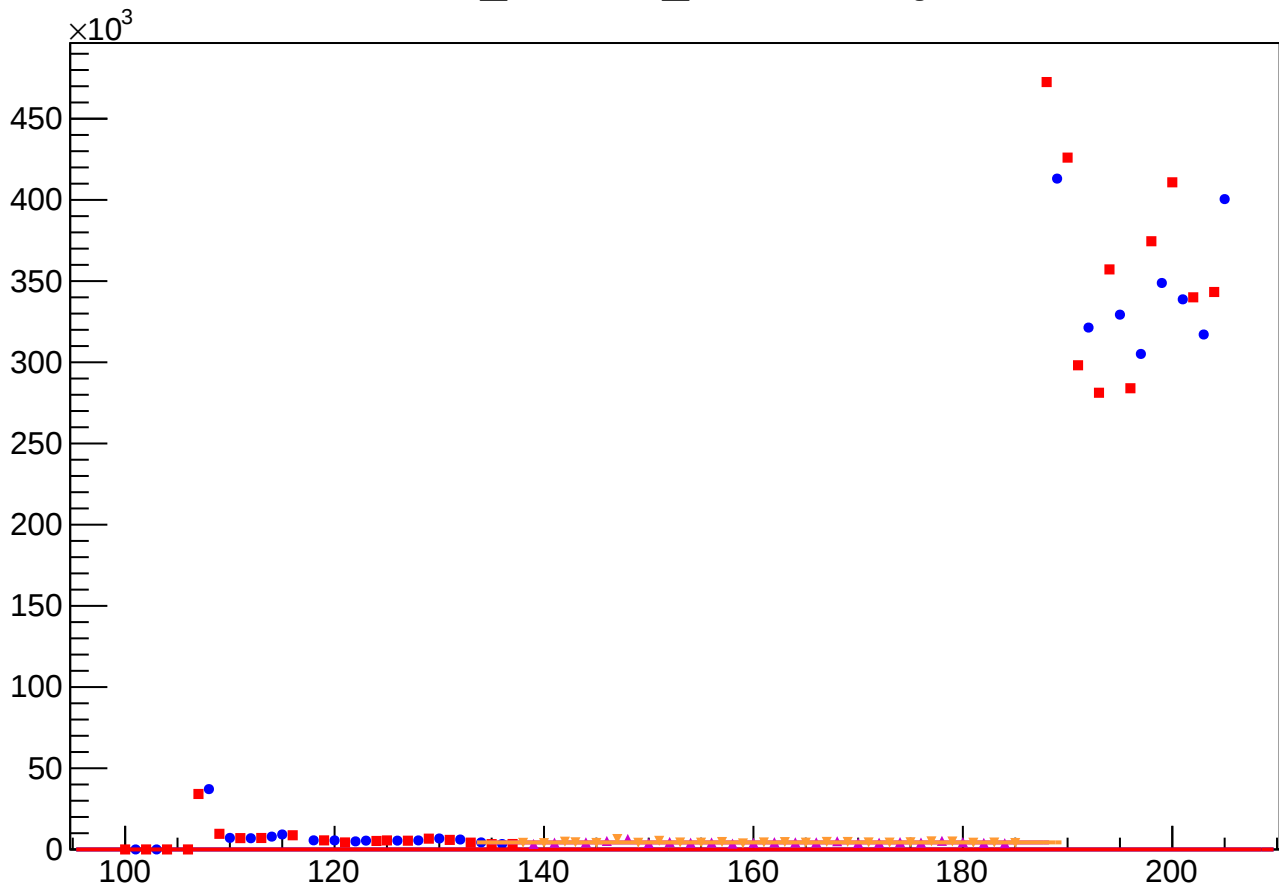
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 43.4/50

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 105.4/103

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.9/52

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 22815708.1/24

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 24095410.5/28

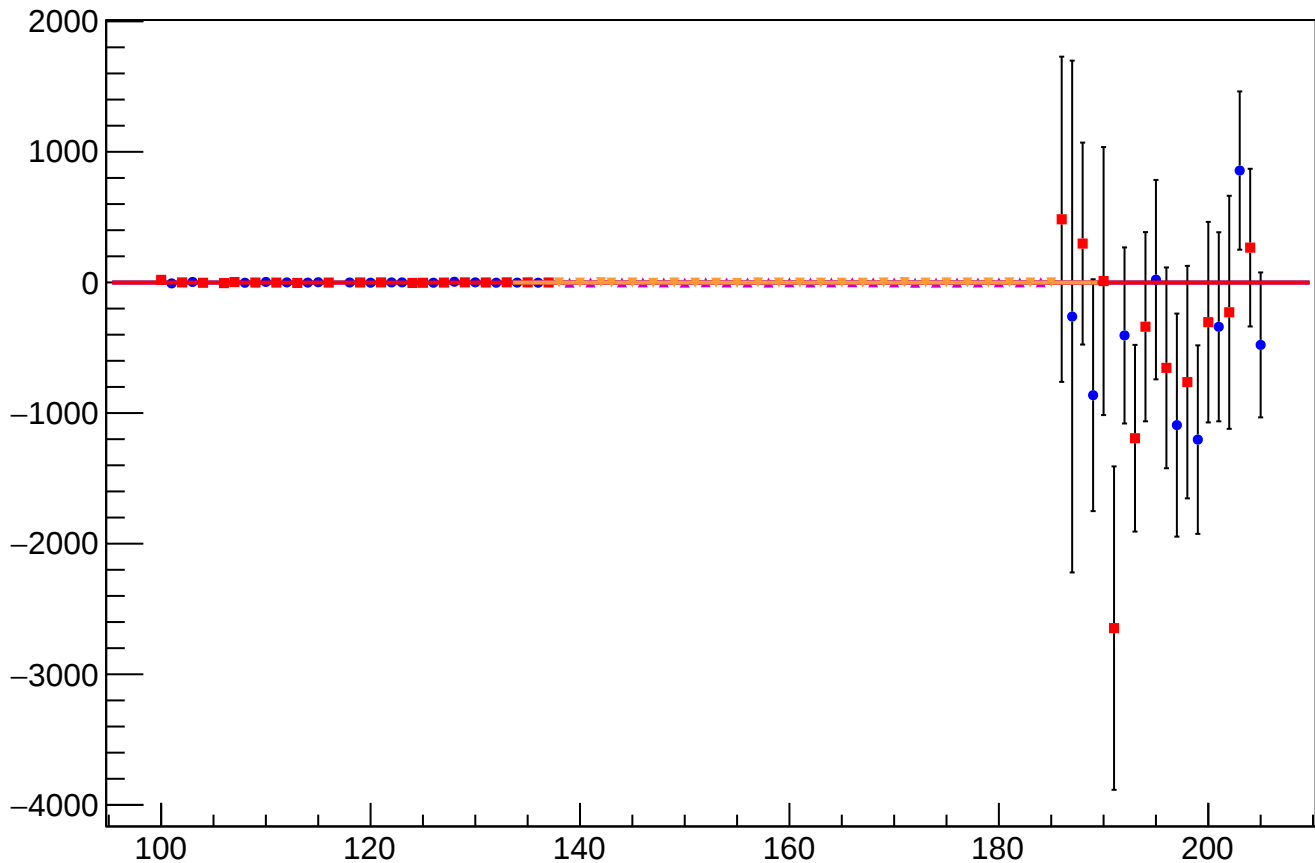
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.292 ± 0.007 χ^2/NDF : 59343680.6/49

All: 10.217 ± 0.004 χ^2/NDF : 118036981.9/10

- sign 10.151 ± 0.006 χ^2/NDF : 58693054.5/51

diff_cav4cX_mean vs Slug



Right In: -0.703 $\pm$ 0.485 χ^2 /NDF: 31.2/25

Left Out: -0.774 $\pm$ 0.164 χ^2 /NDF: 58.4/24

Right Out: -0.762 $\pm$ 0.502 χ^2 /NDF: 21.5/29

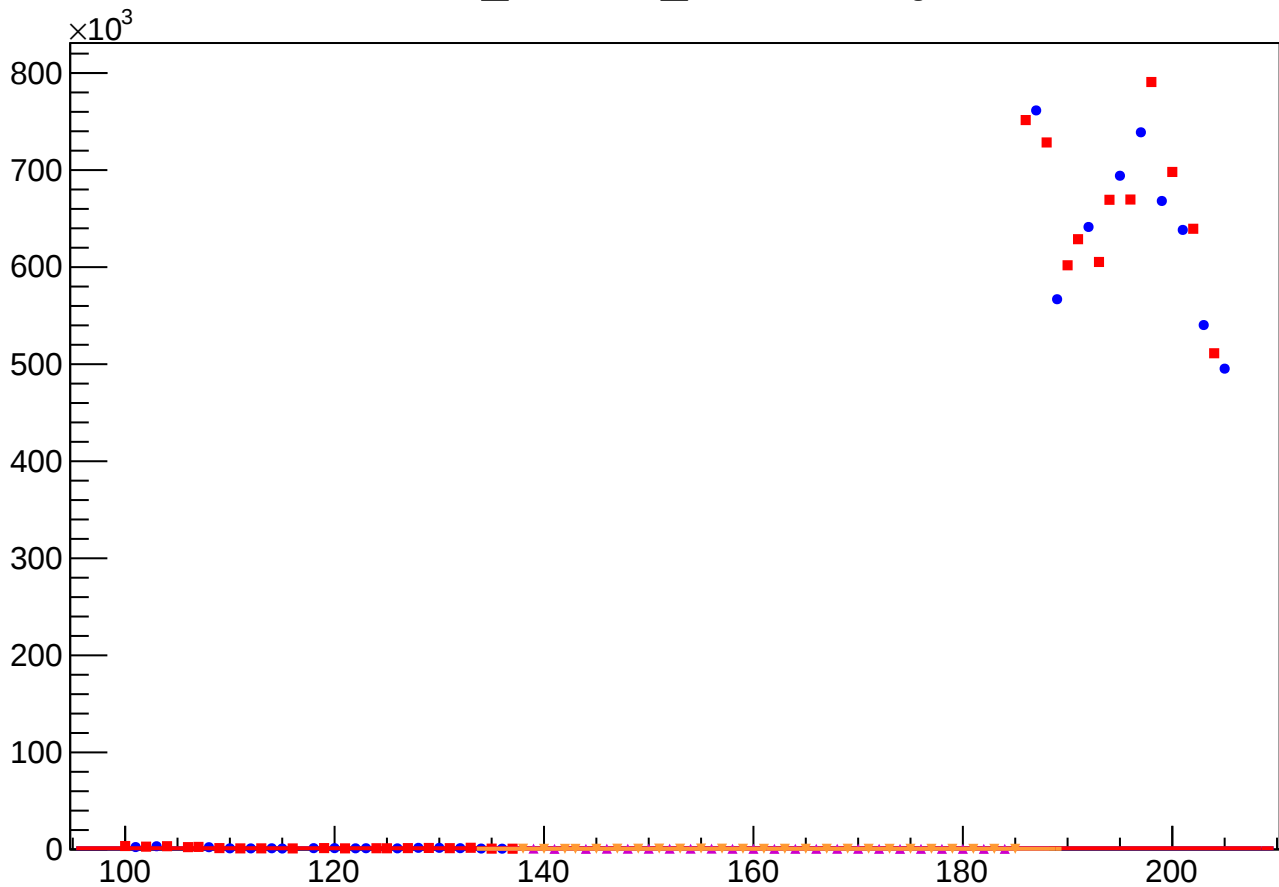
Left In: -0.020 $\pm$ 0.170 χ^2 /NDF: 29.2/22

+ sign -0.767 $\pm$ 0.156 χ^2 /NDF: 89.6/50

All: -0.444 $\pm$ 0.112 χ^2 /NDF: 151.2/103

- sign -0.097 $\pm$ 0.161 χ^2 /NDF: 52.7/52

diff_cav4cX_rms vs Slug



Right In: 1166.586 $\pm$ 0.343 χ^2/NDF : 14068568.1/25

Left Out: 700.797 $\pm$ 0.116 χ^2/NDF : 392521.4/24

Right Out: 1251.942 $\pm$ 0.355 χ^2/NDF : 15565964.7/29

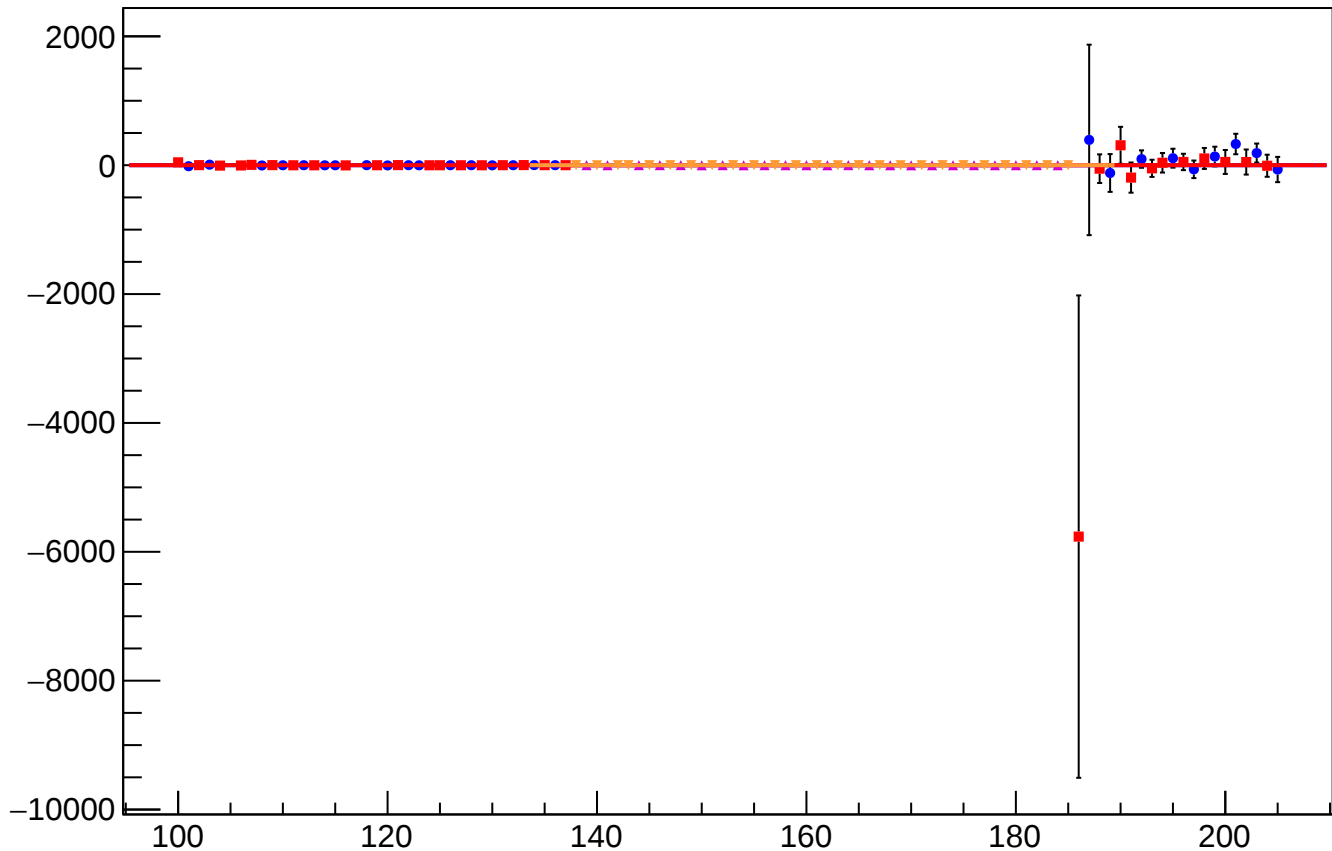
Left In: 706.950 $\pm$ 0.120 χ^2/NDF : 338177.1/22

+ sign 748.747 $\pm$ 0.110 χ^2/NDF : 16115801.0/50

All: 755.661 $\pm$ 0.079 χ^2/NDF : 34141823.4/10

- sign 763.073 $\pm$ 0.114 χ^2/NDF : 18017840.9/52

diff_cav4cY_mean vs Slug



Right In: -0.057 ± 0.271 χ^2/NDF : 29.2/25

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 25.9/29

Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

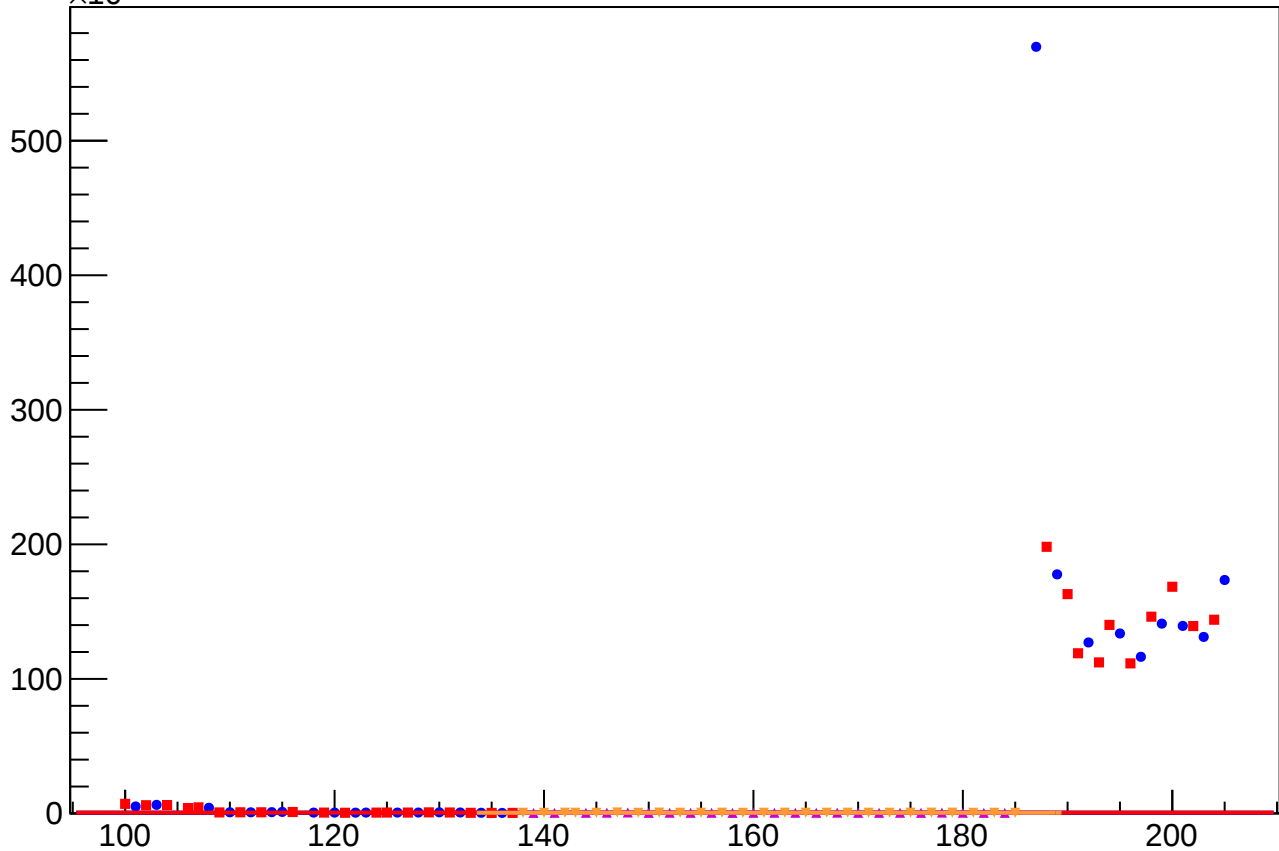
+ sign 0.186 ± 0.112 χ^2/NDF : 47.8/50

All: 0.163 ± 0.080 χ^2/NDF : 108.9/103

- sign 0.139 ± 0.113 χ^2/NDF : 61.0/52

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 611.785 $\pm$ 0.191 χ^2 /NDF: 15340310.6/25

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 602.961 $\pm$ 0.187 χ^2 /NDF: 16552818.3/28

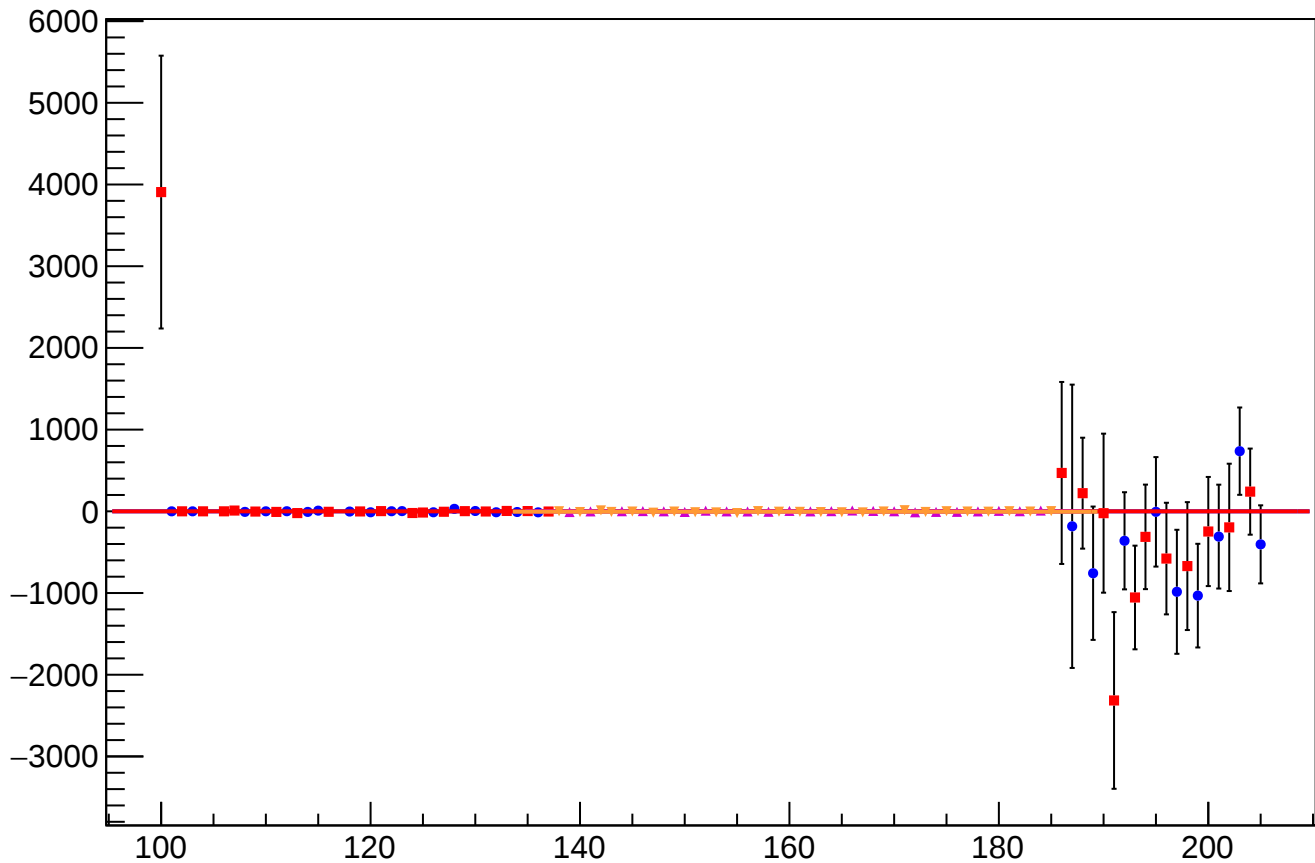
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.616 $\pm$ 0.079 χ^2 /NDF: 15852978.6/50

All: 536.397 $\pm$ 0.056 χ^2 /NDF: 33011640.0/10

- sign 535.137 $\pm$ 0.080 χ^2 /NDF: 17158175.9/51

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 24.1/25

Left Out: -4.474 $\pm$ 0.956 χ^2 /NDF: 58.2/24

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 26.5/29

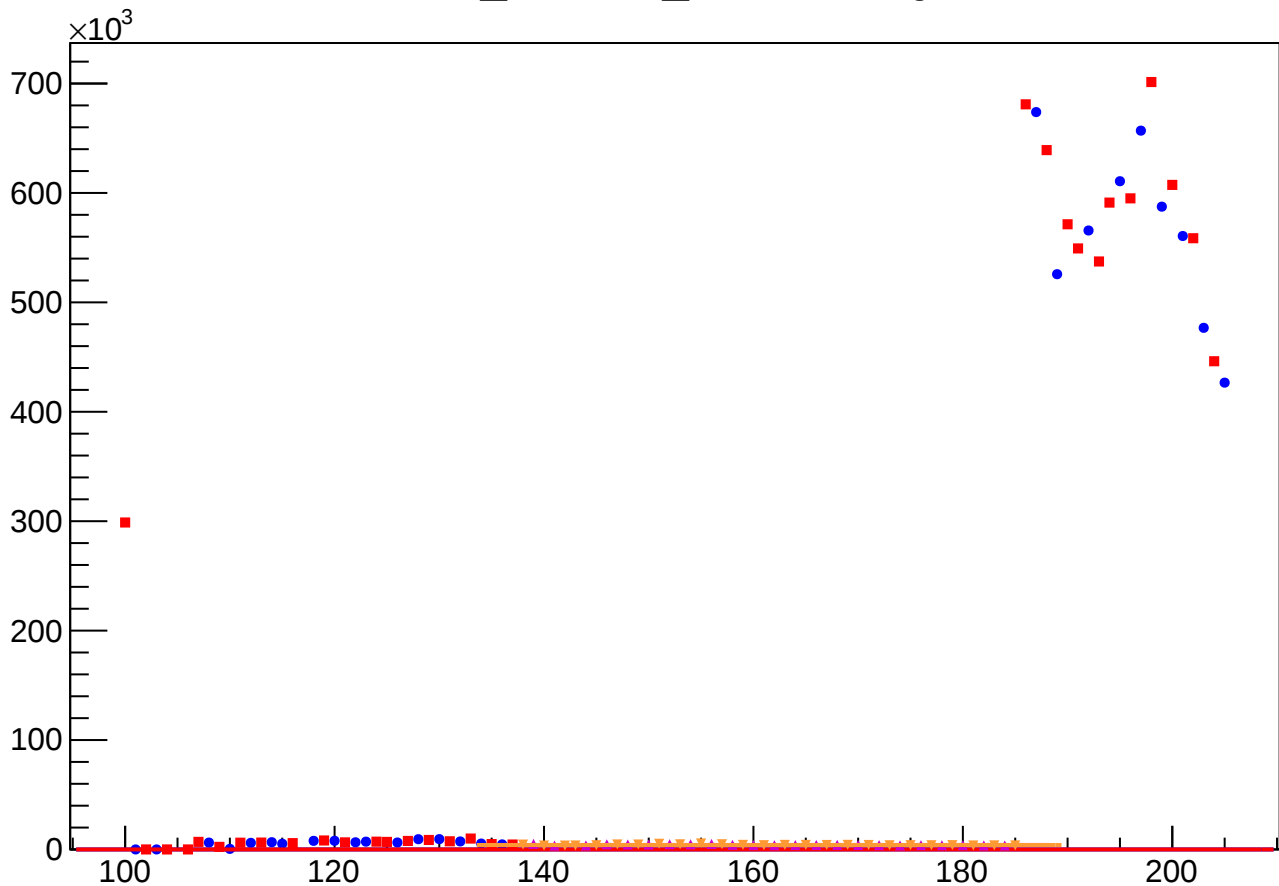
Left In: -0.193 $\pm$ 0.990 χ^2 /NDF: 29.2/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 104.0/50

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 159.8/103

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 55.8/52

diff_cav4dX_rms vs Slug



Right In: 17.340 ± 0.015 $\chi^2/\text{NDF}: 22874575.3/25$

Left Out: 4074.257 ± 0.676 $\chi^2/\text{NDF}: 416916.0/24$

Right Out: 17.272 ± 0.014 $\chi^2/\text{NDF}: 24844920.3/29$

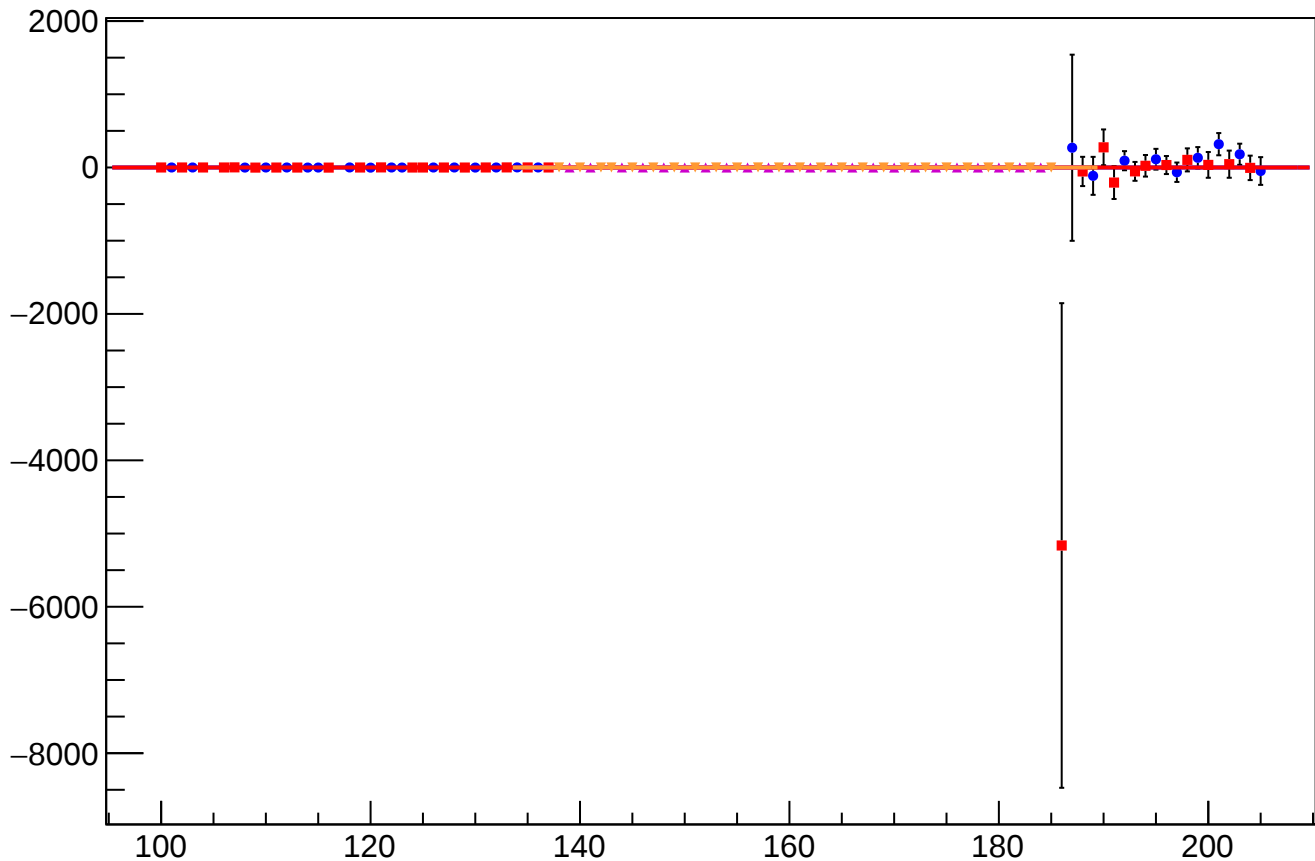
Left In: 4113.744 ± 0.700 $\chi^2/\text{NDF}: 354965.8/22$

+ sign 19.261 ± 0.015 $\chi^2/\text{NDF}: 59324638.9/50$

All: 19.074 ± 0.010 $\chi^2/\text{NDF}: 118741618.5/100$

- sign 18.905 ± 0.014 $\chi^2/\text{NDF}: 59416672.5/52$

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 23.8/25

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.5/29

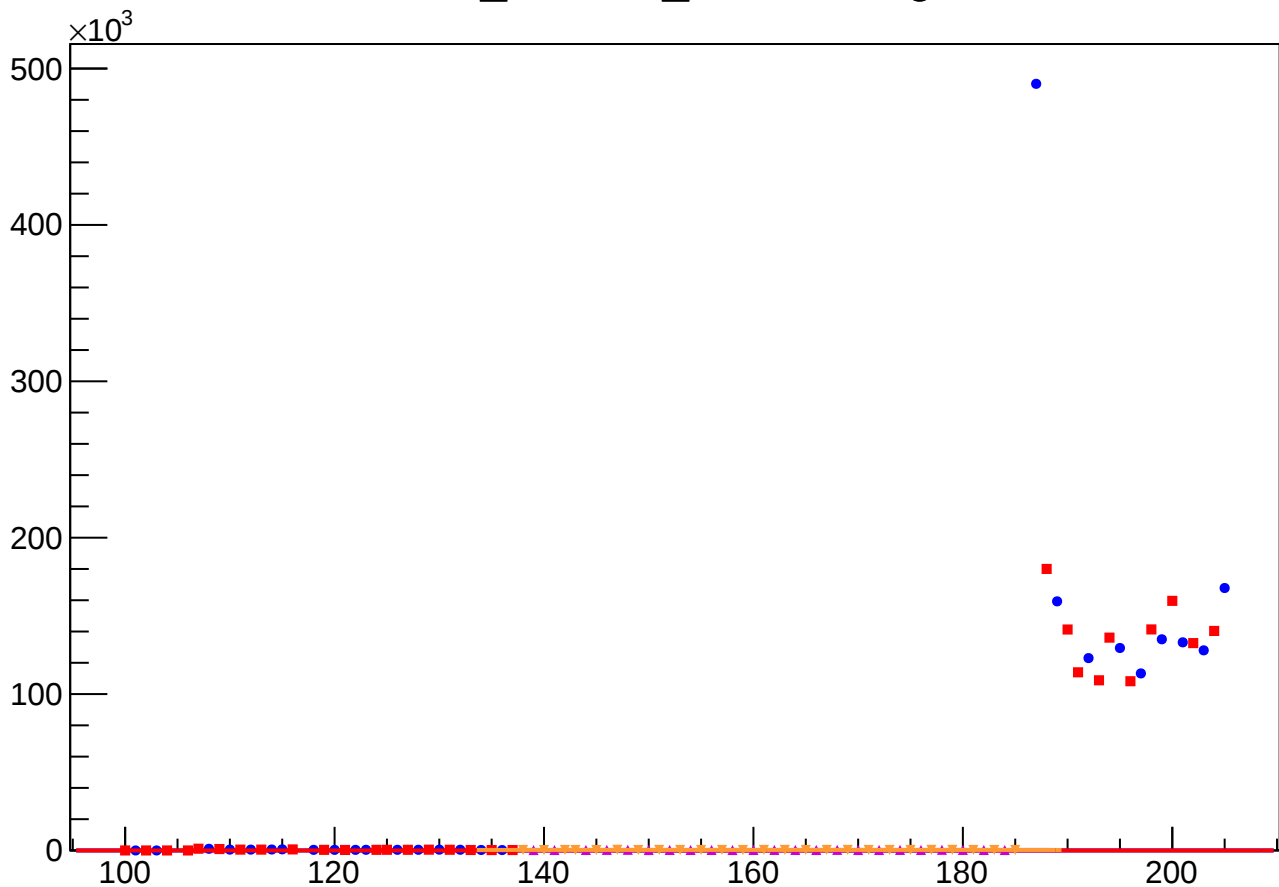
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 44.5/50

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 103.7/103

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.2/52

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 23198624.4/25

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 23863976.0/28

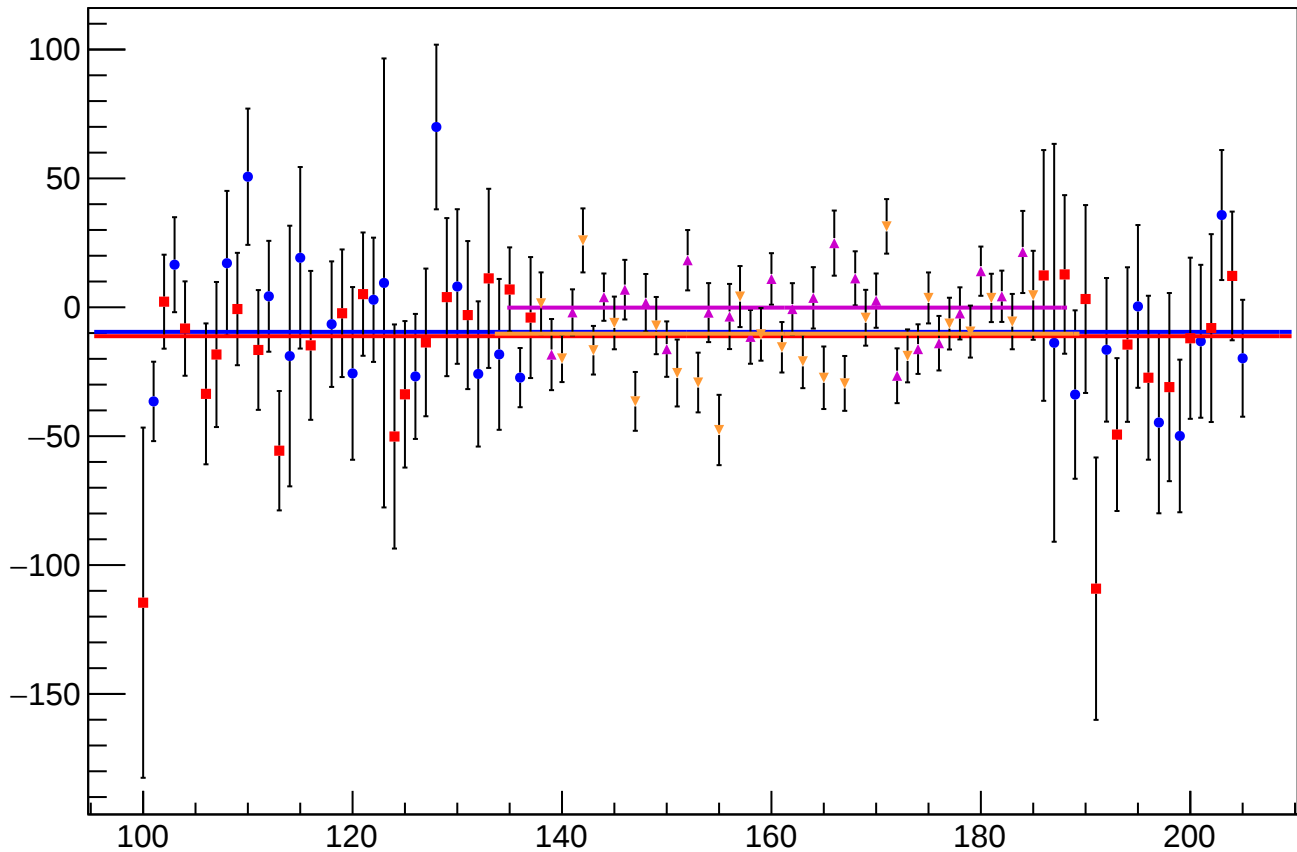
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 59510960.3/50

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 117773977.9/102

- sign 1.926 $\pm$ 0.001 χ^2 /NDF: 58263017.5/51

diff_bpm4aX_mean vs Slug



Right In: -9.536 ± 4.912 $\chi^2/\text{NDF}: 29.7/25$

Left Out: -10.235 ± 2.167 $\chi^2/\text{NDF}: 58.0/24$

Right Out: -11.217 ± 4.948 $\chi^2/\text{NDF}: 19.5/29$

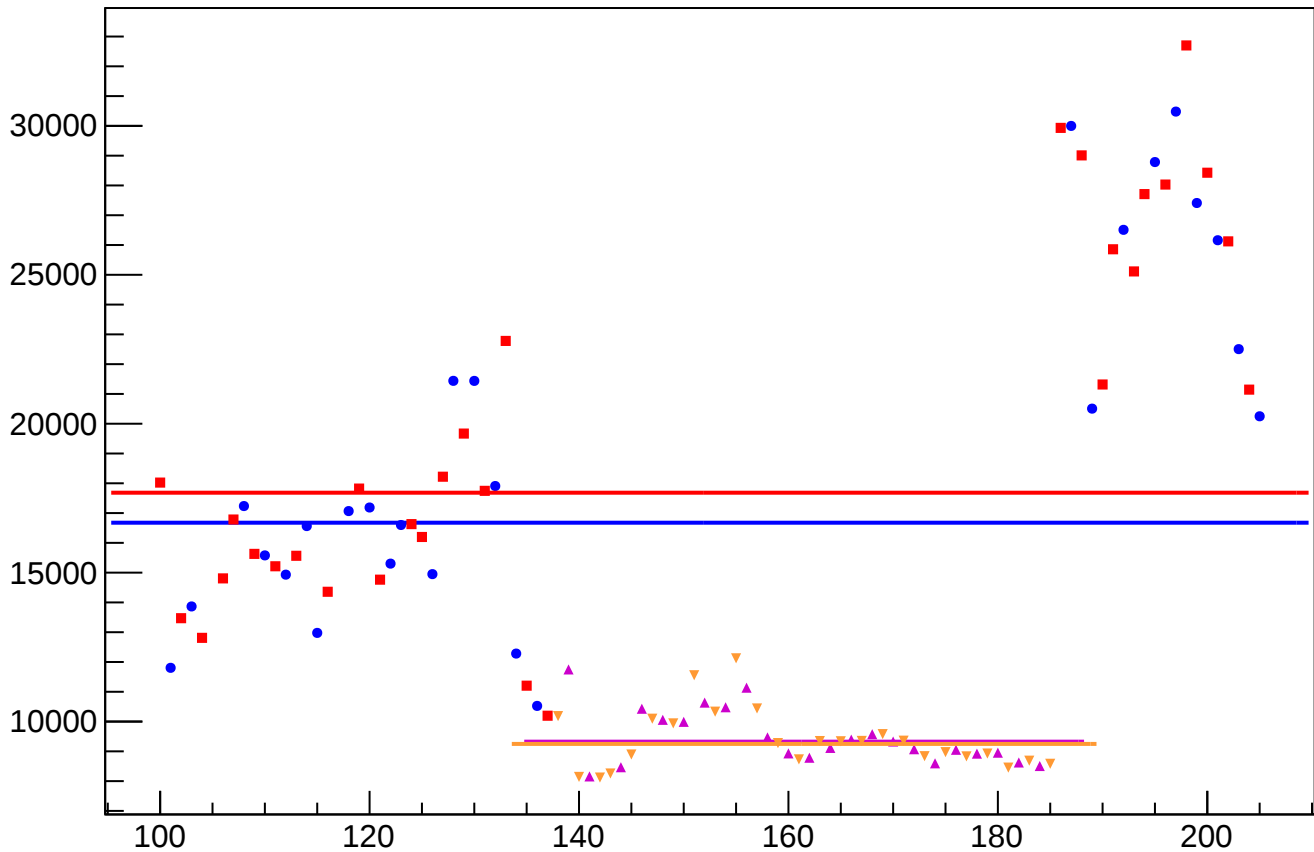
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -10.121 ± 1.982 $\chi^2/\text{NDF}: 87.7/50$

All: -6.190 ± 1.422 $\chi^2/\text{NDF}: 149.3/103$

- sign -2.019 ± 2.042 $\chi^2/\text{NDF}: 53.5/52$

diff_bpm4aX_rms vs Slug



Right In: 16676.657 $\pm$ 3.473 χ^2 /NDF: 2582704.9/25

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 17683.987 $\pm$ 3.499 χ^2 /NDF: 2713814.0/29

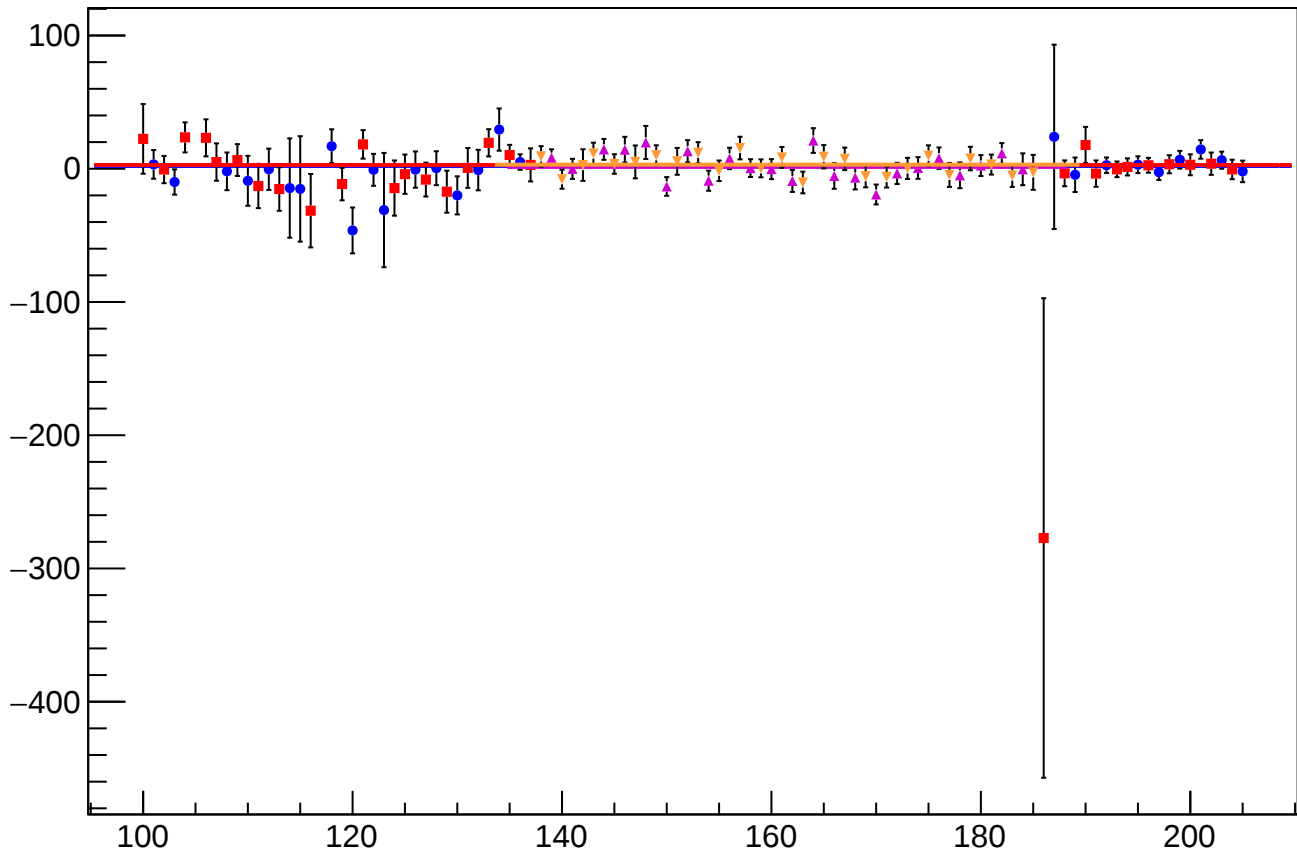
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10459.131 $\pm$ 1.402 χ^2 /NDF: 6742868.5/50

All: 10599.899 $\pm$ 1.006 χ^2 /NDF: 14494222.5

- sign 10749.307 $\pm$ 1.444 χ^2 /NDF: 7730565.0/52

diff_bpm4aY_mean vs Slug



Right In: 2.131 ± 1.897 χ^2/NDF : 23.5/25

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 2.819 ± 1.832 χ^2/NDF : 25.5/29

Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

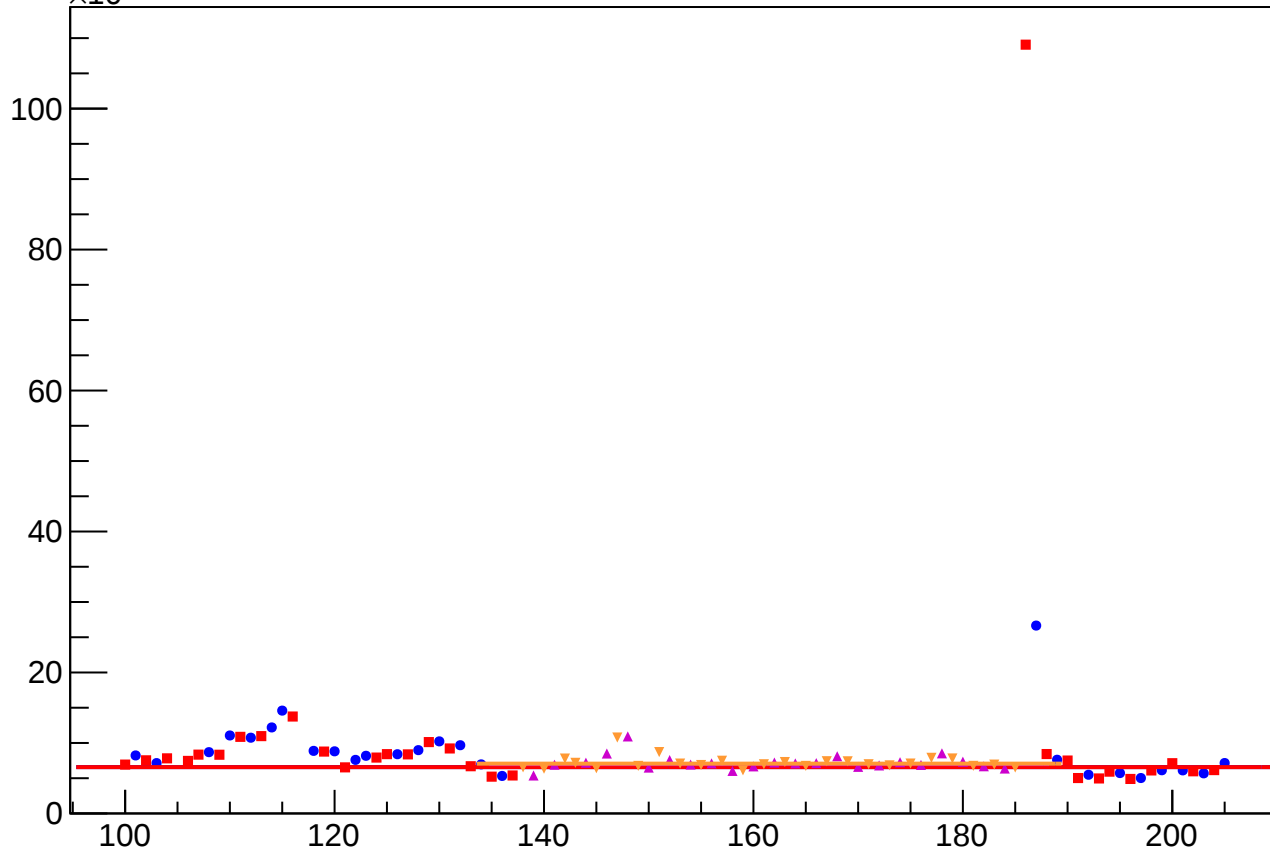
+ sign 2.658 ± 1.249 χ^2/NDF : 41.9/50

All: 2.353 ± 0.881 χ^2/NDF : 103.2/103

- sign 2.051 ± 1.244 χ^2/NDF : 61.2/52

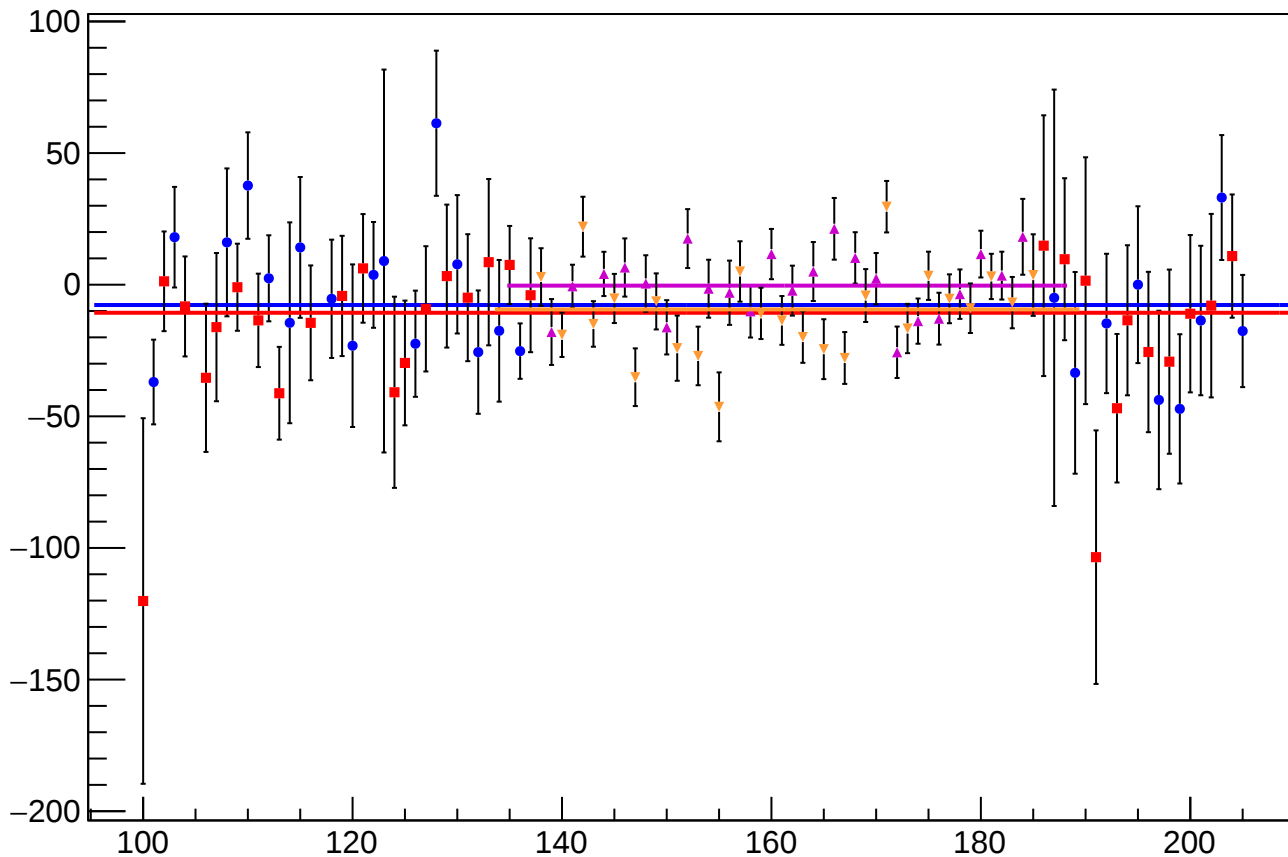
diff_bpm4aY_rms vs Slug

$\times 10^3$



Right In: 6576.991 ± 1.342 $\chi^2/\text{NDF}: 1512545.7/25$ + sign 6854.601 ± 0.883 $\chi^2/\text{NDF}: 1975551.5/50$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6828.459 ± 0.623 $\chi^2/\text{NDF}: 4686057.7/10$
 Right Out: 6570.706 ± 1.296 $\chi^2/\text{NDF}: 2099361.9/29$ - sign 6802.539 ± 0.879 $\chi^2/\text{NDF}: 2708760.8/52$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -7.713 ± 4.471 $\chi^2/\text{NDF}: 30.1/25$

Left Out: -9.376 ± 2.018 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -10.664 ± 4.459 $\chi^2/\text{NDF}: 19.0/29$

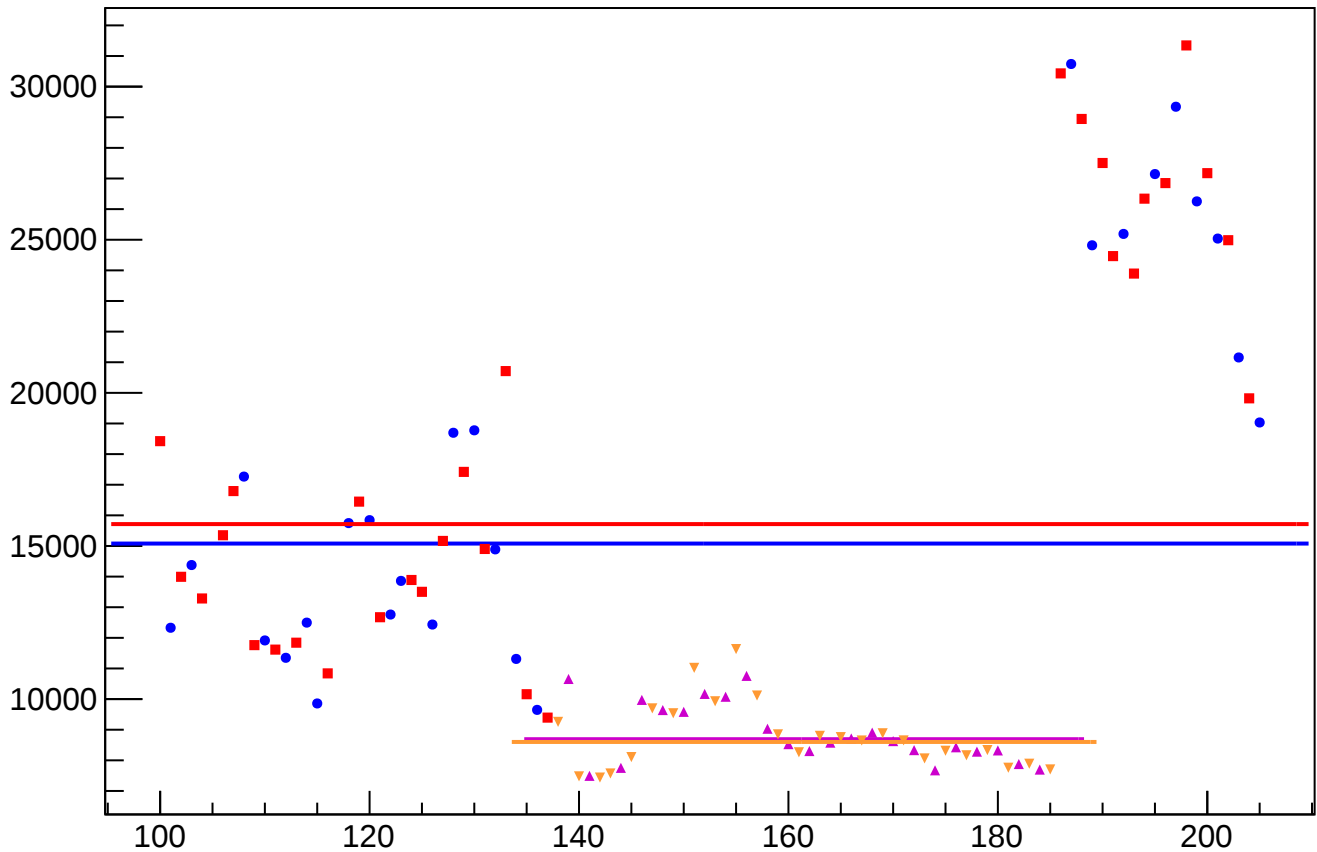
Left In: -0.353 ± 2.092 $\chi^2/\text{NDF}: 29.6/22$

+ sign -9.095 ± 1.839 $\chi^2/\text{NDF}: 88.6/50$

All: -5.756 ± 1.319 $\chi^2/\text{NDF}: 148.5/103$

- sign -2.214 ± 1.894 $\chi^2/\text{NDF}: 53.0/52$

diff_bpm4eX_rms vs Slug



Right In: 15078.867 $\pm$ 3.162 χ^2 /NDF: 2960713.9/25

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF: 438229.4/24

Right Out: 15714.590 $\pm$ 3.153 χ^2 /NDF: 3403254.3/29

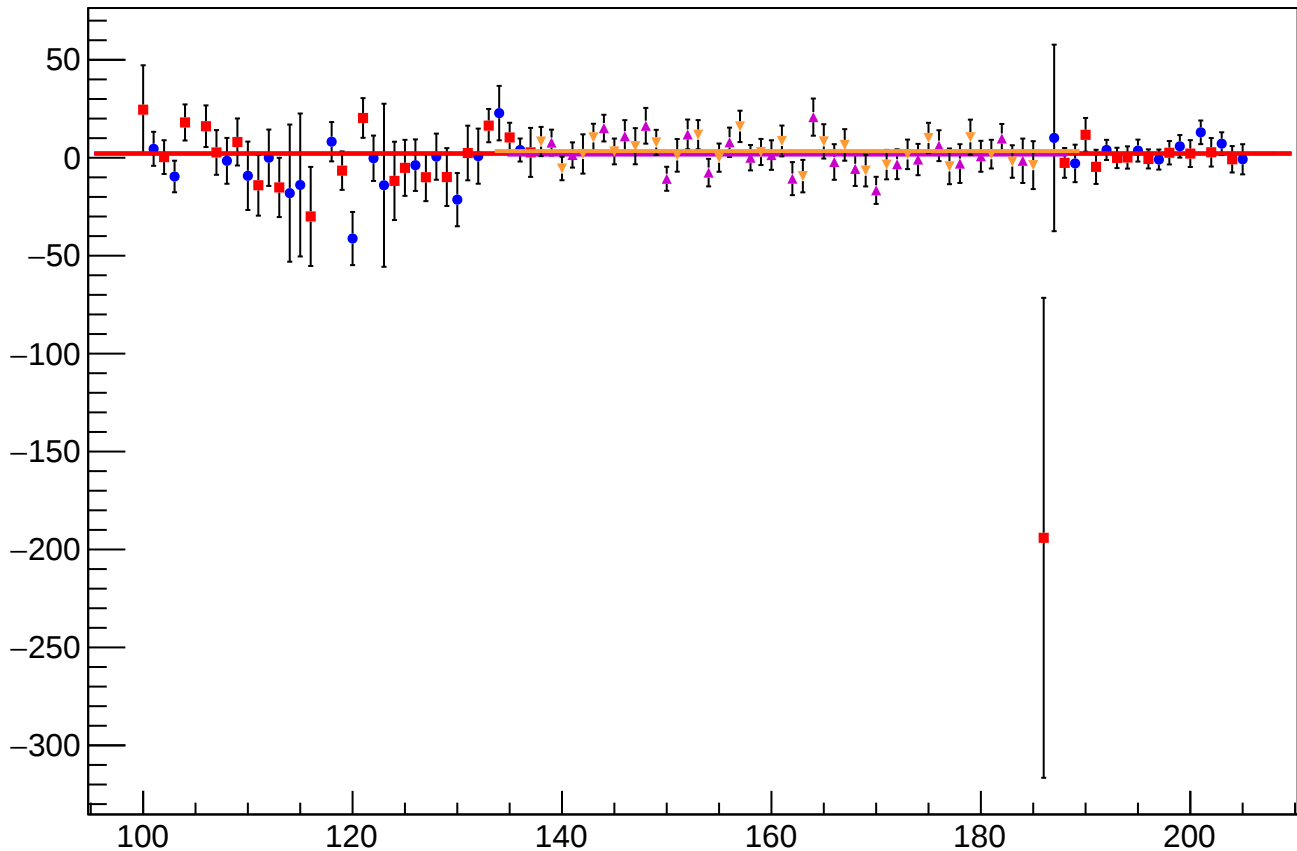
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF: 370834.1/22

+ sign 9696.459 $\pm$ 1.300 χ^2 /NDF: 6886926.0/50

All: 9823.199 $\pm$ 0.933 χ^2 /NDF: 14748211.2/100

- sign 9957.620 $\pm$ 1.339 χ^2 /NDF: 7841714.6/52

diff_bpm4eY_mean vs Slug



Right In: 2.104 ± 1.690 χ^2/NDF : 25.0/25

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 2.283 ± 1.607 χ^2/NDF : 26.0/29

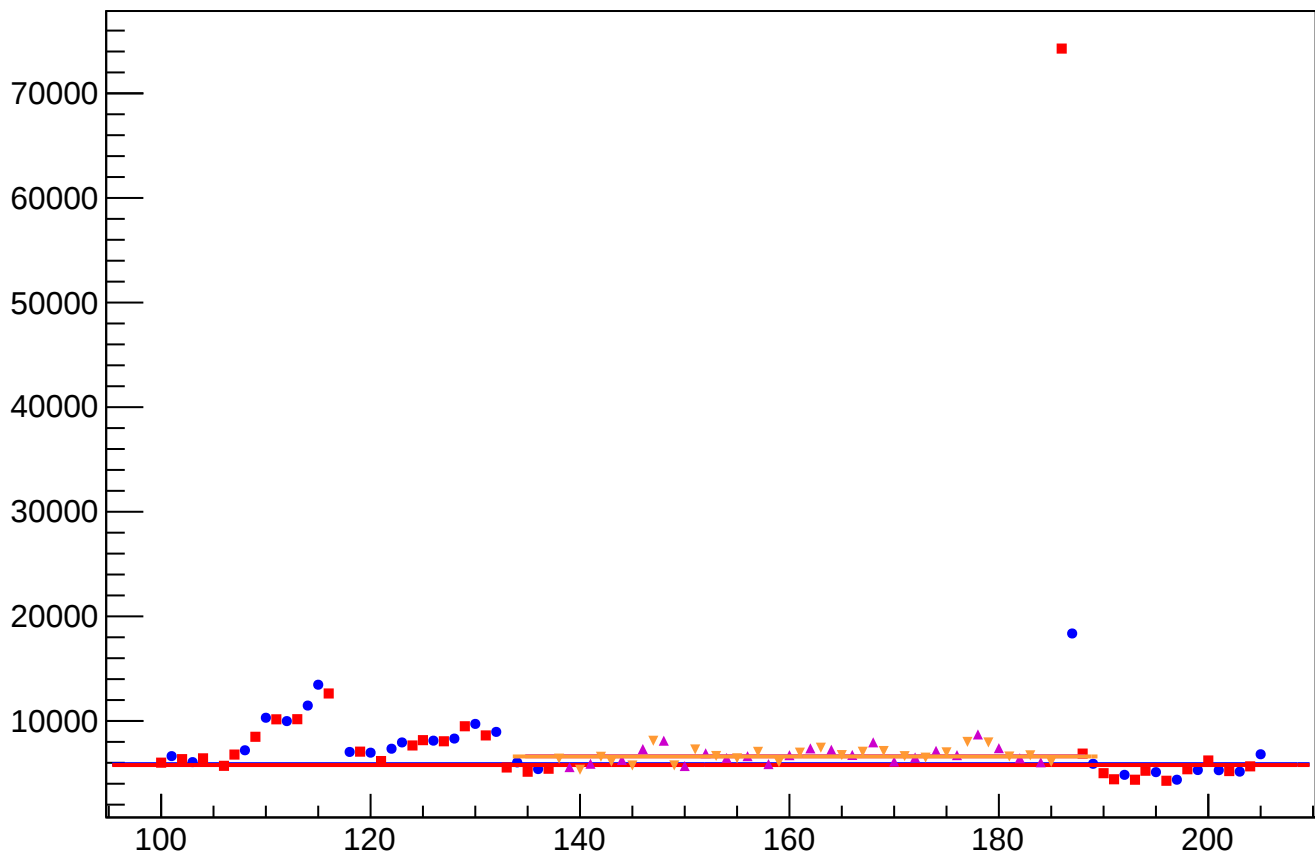
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.811 ± 1.143 χ^2/NDF : 42.1/50

All: 2.379 ± 0.805 χ^2/NDF : 102.0/103

- sign 1.953 ± 1.134 χ^2/NDF : 59.5/52

diff_bpm4eY_rms vs Slug



Right In: 5870.442 ± 1.195 $\chi^2/\text{NDF}: 1486051.5/25$

Left Out: 6607.100 ± 1.096 $\chi^2/\text{NDF}: 398416.1/24$

Right Out: 5786.821 ± 1.137 $\chi^2/\text{NDF}: 2129275.0/29$

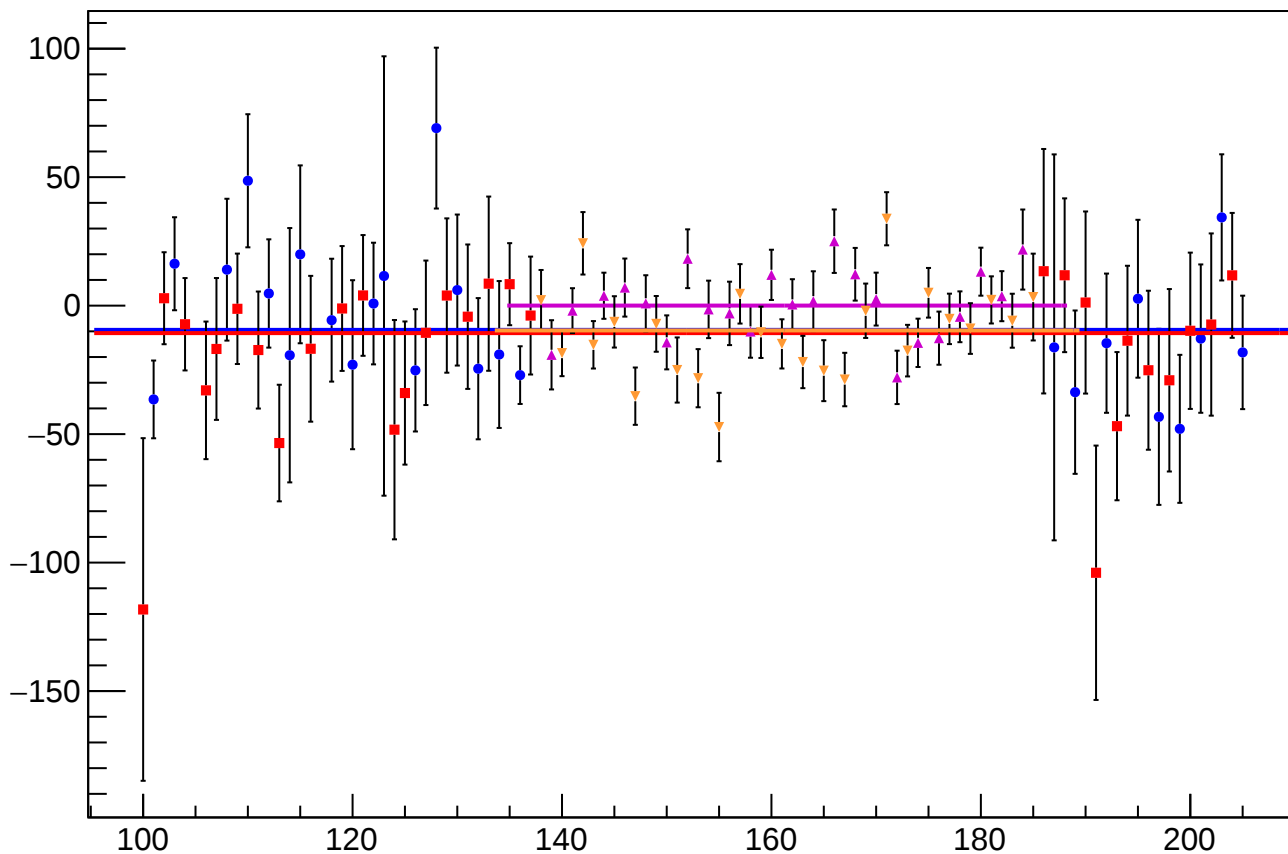
Left In: 6628.653 ± 1.131 $\chi^2/\text{NDF}: 430282.2/22$

+ sign 6270.452 ± 0.808 $\chi^2/\text{NDF}: 2090796.8/50$

All: 6239.945 ± 0.569 $\chi^2/\text{NDF}: 4928892.4/10$

- sign 6209.908 ± 0.802 $\chi^2/\text{NDF}: 2835265.6/52$

diff_bpm4acX_mean vs Slug



Right In: -9.432 ± 4.806 χ^2/NDF : 29.4/25

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -10.693 ± 4.842 χ^2/NDF : 19.4/29

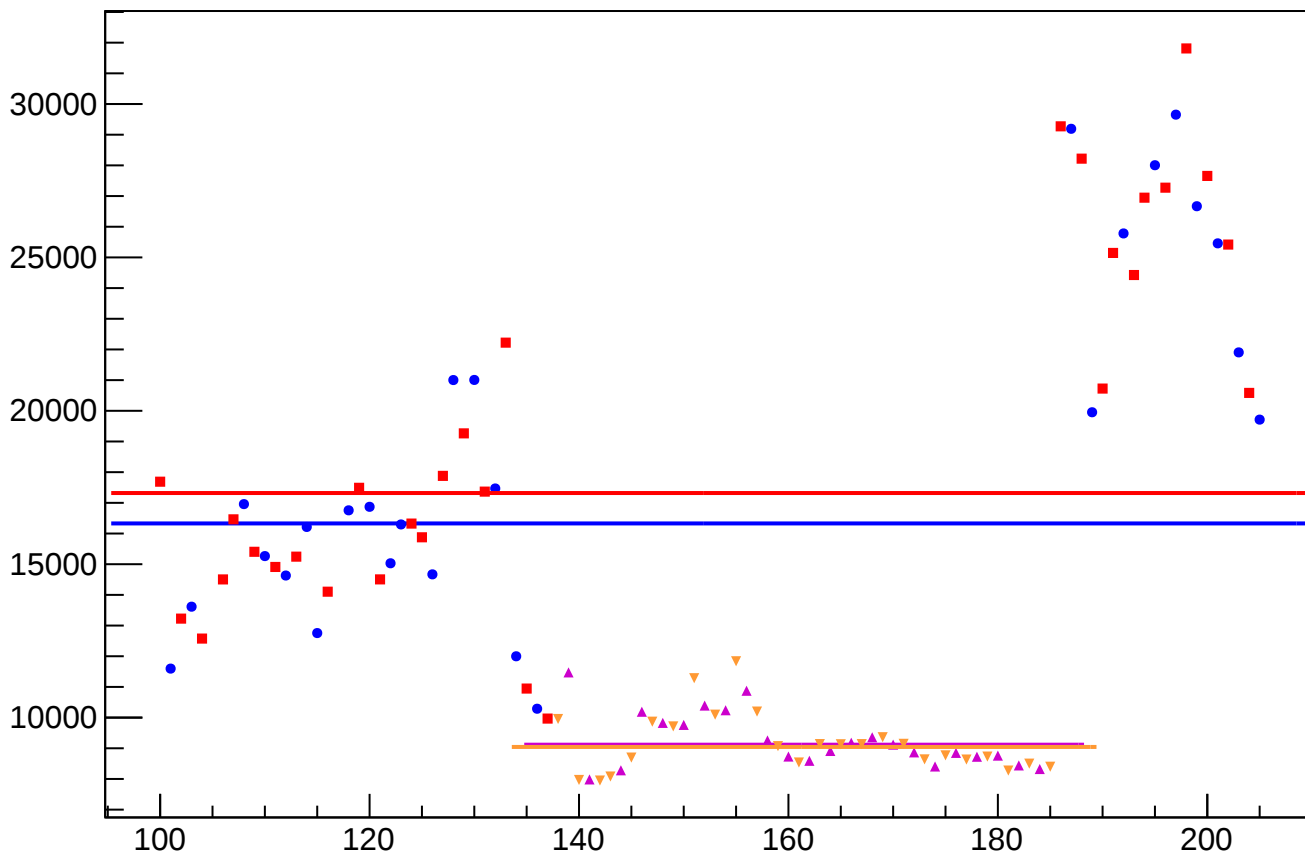
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.613 ± 1.938 χ^2/NDF : 89.2/50

All: -5.824 ± 1.391 χ^2/NDF : 151.2/103

- sign -1.803 ± 1.997 χ^2/NDF : 54.1/52

diff_bpm4acX_rms vs Slug



Right In: 16329.054+/-3.398 χ^2/NDF : 2547147.0/25

Left Out: 9043.485+/-1.498 χ^2/NDF :328192.2/24

Right Out: 17320.048+/-3.424 χ^2/NDF : 2670211.3/29

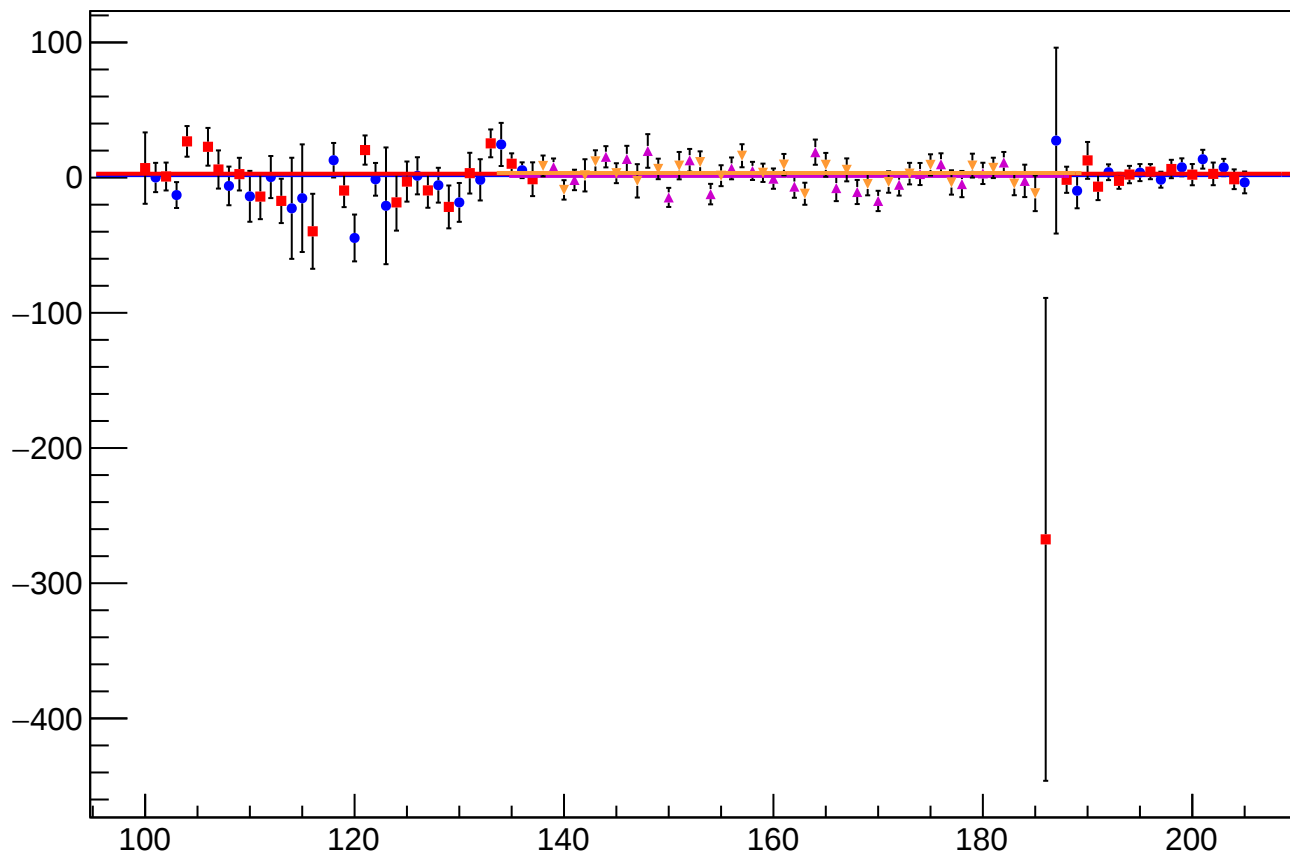
Left In: 9116.921+/-1.550 χ^2/NDF :277594.8/22

+ sign 10228.660+/-1.371 χ^2/NDF : 6724180.1/50

All: 10366.242+/-0.983 χ^2/NDF : 14457199.7

- sign 10512.266+/-1.412 χ^2/NDF : 7712248.2/52

diff_bpm4acY_mean vs Slug



Right In: 1.858 $\pm$ 1.904 χ^2 /NDF: 23.4/25

Left Out: 3.439 $\pm$ 1.666 χ^2 /NDF:18.9/24

Right Out: 2.891 $\pm$ 1.840 χ^2 /NDF: 30.9/29

Left In: 1.291 $\pm$ 1.701 χ^2 /NDF:36.5/22

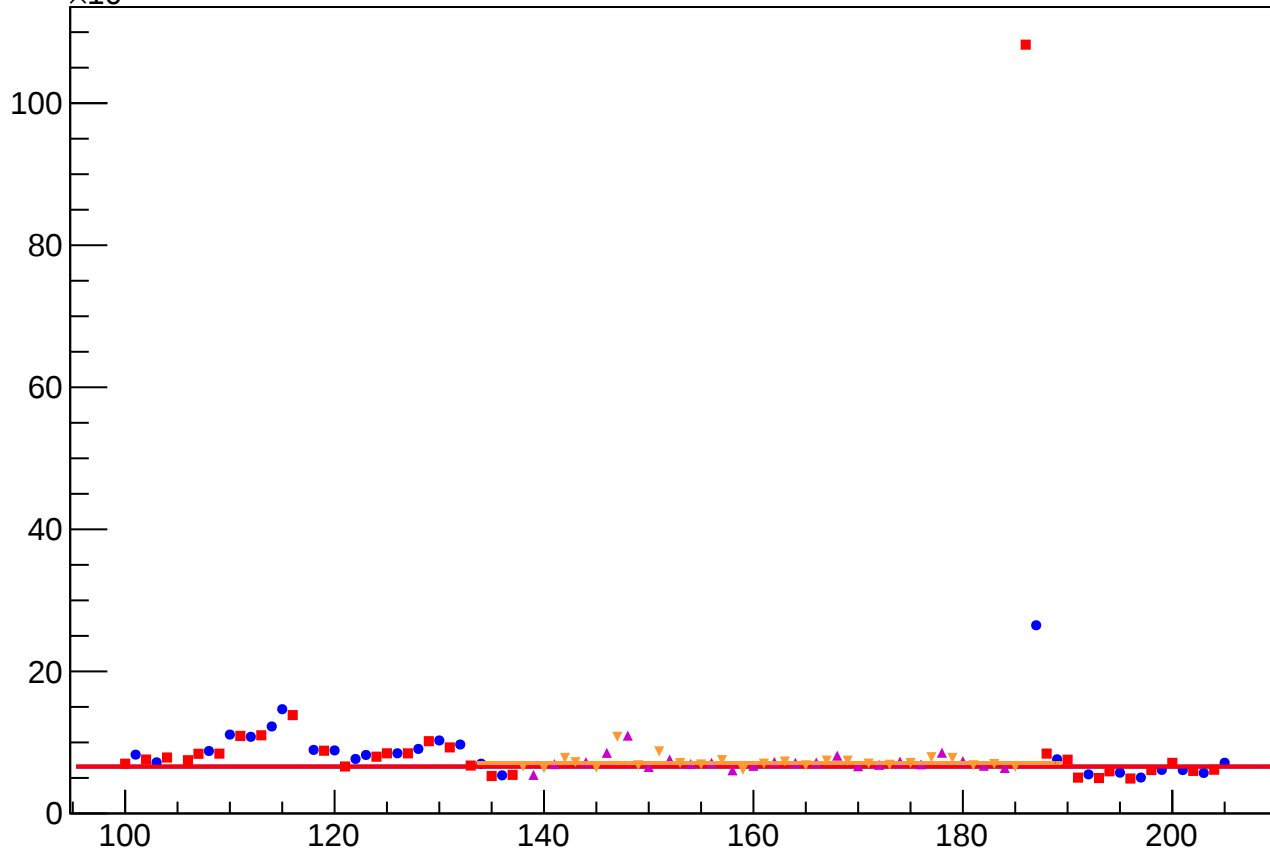
+ sign 2.754 $\pm$ 1.254 χ^2 /NDF: 42.7/50

All: 2.389 $\pm$ 0.885 χ^2 /NDF: 110.7/103

- sign 2.028 $\pm$ 1.249 χ^2 /NDF: 67.8/52

diff_bpm4acY_rms vs Slug

$\times 10^3$



Right In: 6601.589 $\pm$ 1.347 χ^2 /NDF: 1520961.7/25

Left Out: 7098.726 $\pm$ 1.178 χ^2 /NDF: 382550.4/24

Right Out: 6599.754 $\pm$ 1.301 χ^2 /NDF: 2104286.6/29

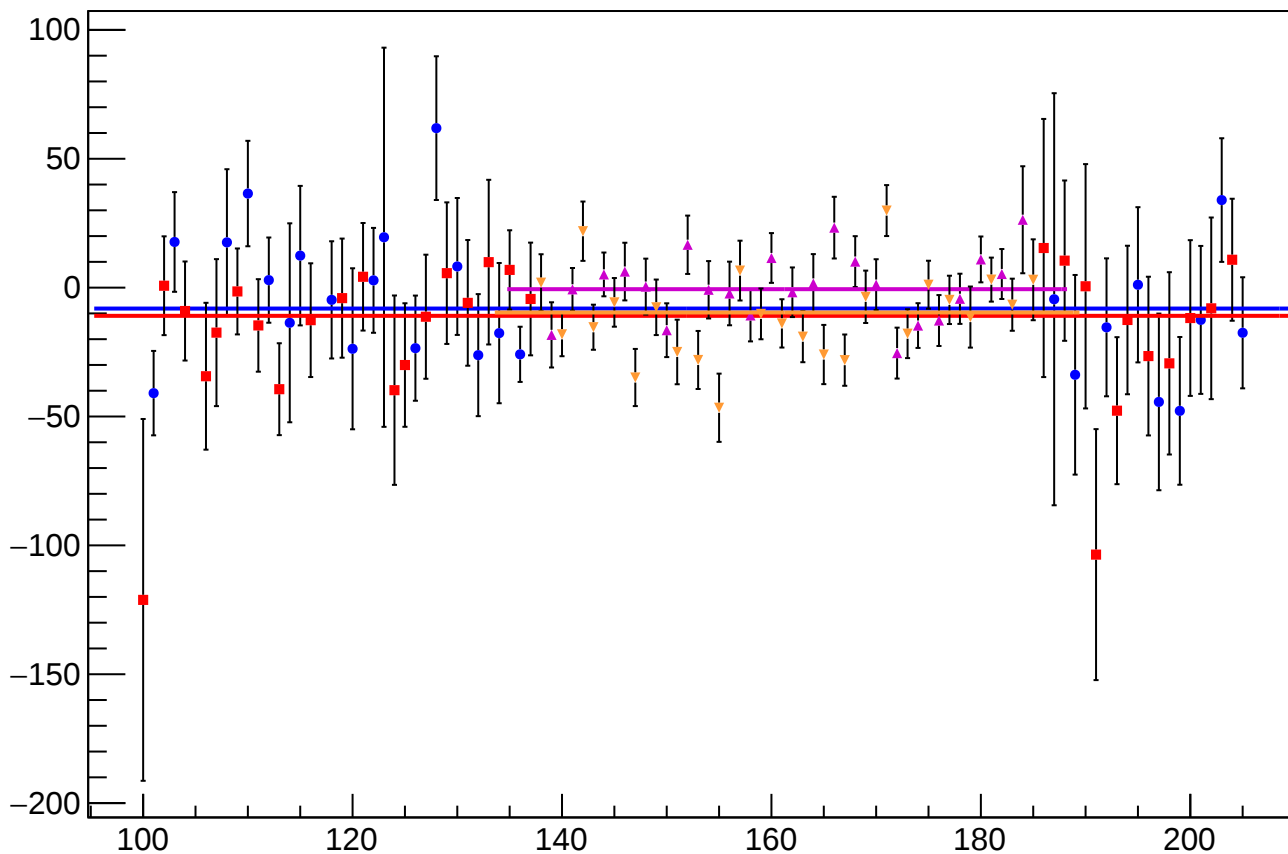
Left In: 7033.702 $\pm$ 1.203 χ^2 /NDF: 541035.5/22

+ sign 6883.190 $\pm$ 0.887 χ^2 /NDF: 1980714.6/50

All: 6858.377 $\pm$ 0.626 χ^2 /NDF: 4687579.2/100

- sign 6833.759 $\pm$ 0.883 χ^2 /NDF: 2705304.5/52

diff_bpm4ecX_mean vs Slug



Right In: -8.115 ± 4.529 χ^2/NDF : 30.8/25

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -10.942 ± 4.519 χ^2/NDF : 18.1/29

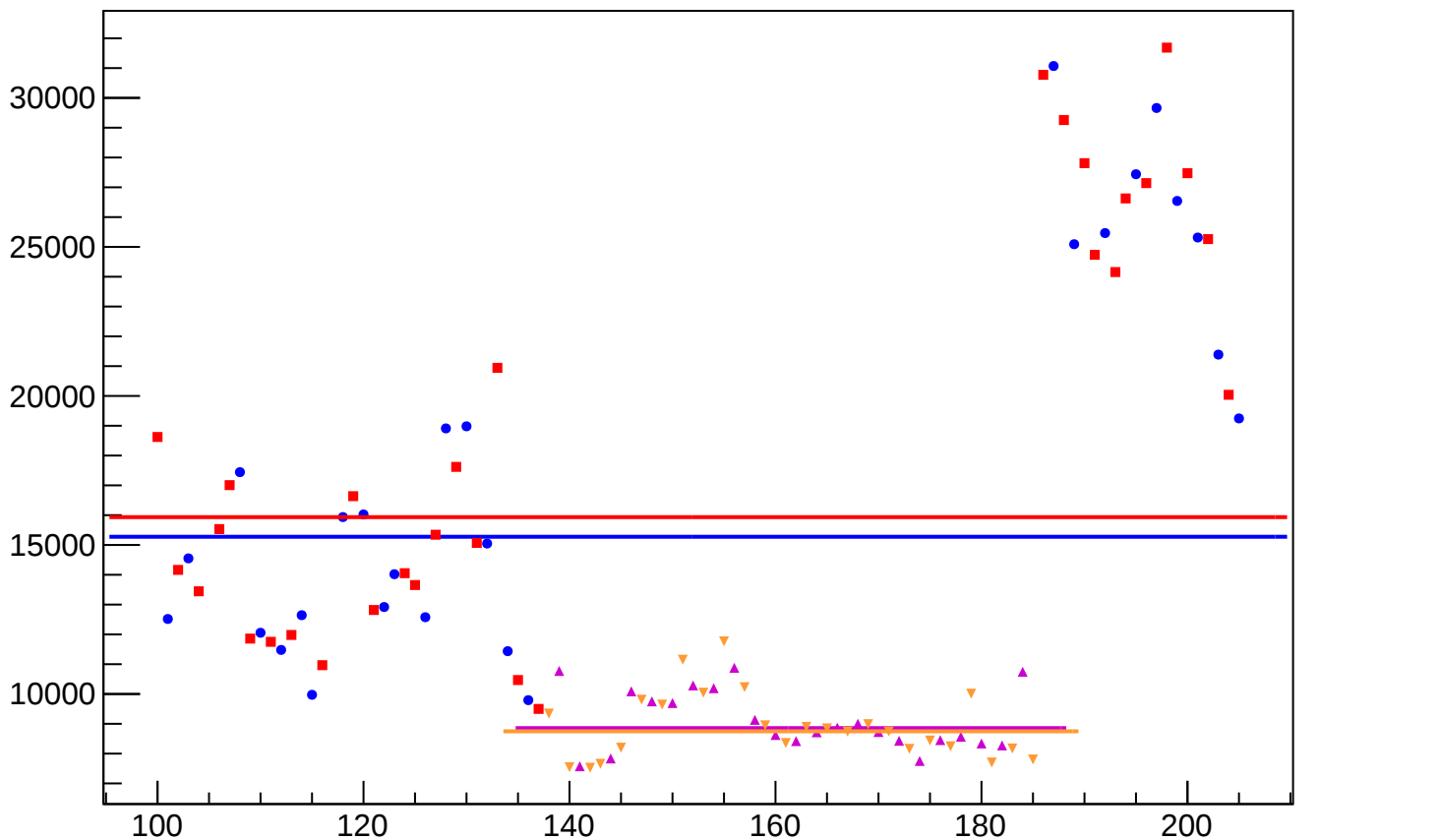
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.379 ± 1.873 χ^2/NDF : 88.5/50

All: -6.037 ± 1.344 χ^2/NDF : 147.1/103

- sign -2.486 ± 1.930 χ^2/NDF : 52.0/52

diff_bpm4ecX_rms vs Slug



Right In: 15275.515 $\pm$ 3.203 χ^2 /NDF: 2941595.2/25

Left Out: 8748.407 $\pm$ 1.455 χ^2 /NDF: 463394.1/24

Right Out: 15934.026 $\pm$ 3.196 χ^2 /NDF: 3369806.4/29

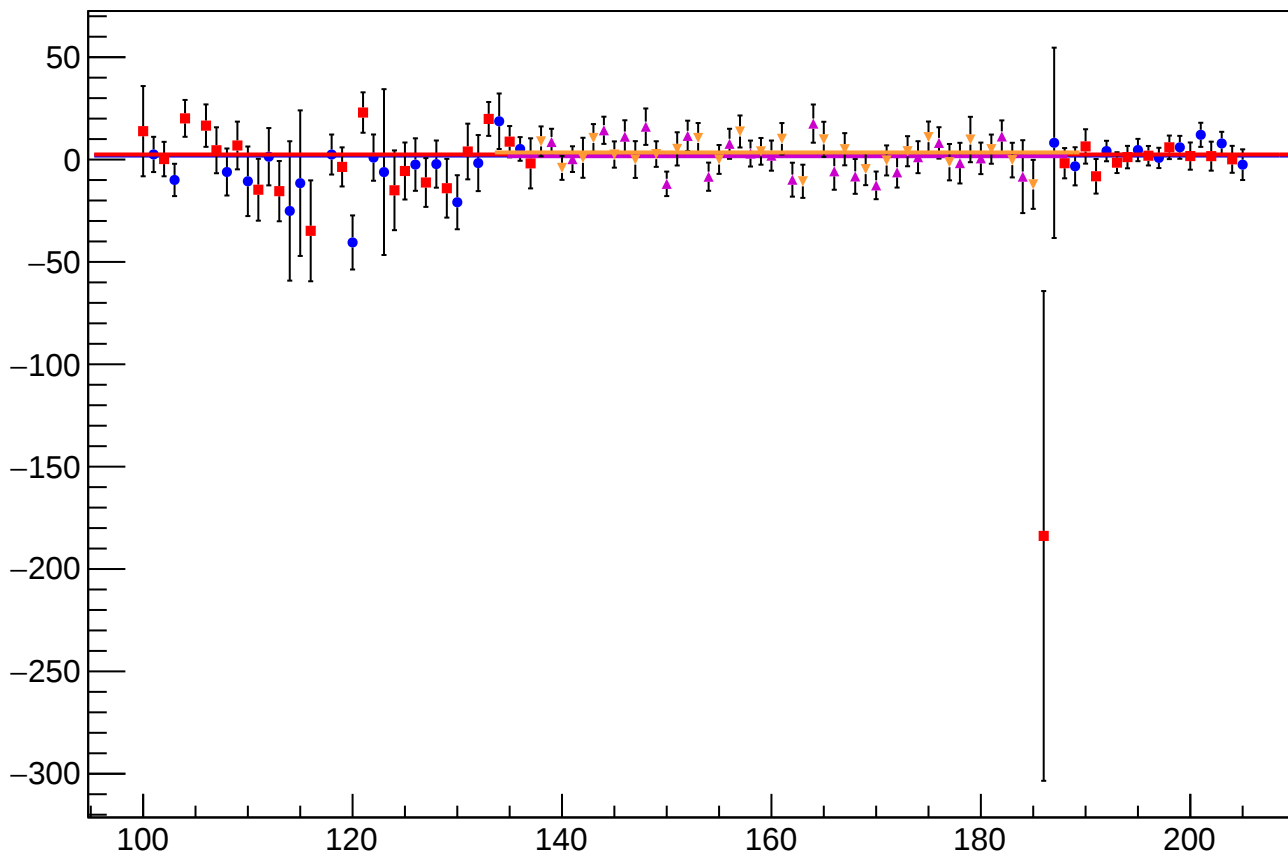
Left In: 8855.591 $\pm$ 1.510 χ^2 /NDF: 367542.7/22

+ sign 9864.754 $\pm$ 1.324 χ^2 /NDF: 6848257.0/50

All: 10001.646 $\pm$ 0.951 χ^2 /NDF: 14618520.4/100

- sign 10147.053 $\pm$ 1.365 χ^2 /NDF: 7748234.1/52

diff_bpm4ecY_mean vs Slug



Right In: 1.960 ± 1.649 χ^2/NDF : 25.4/25

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.475 ± 1.567 χ^2/NDF : 30.8/29

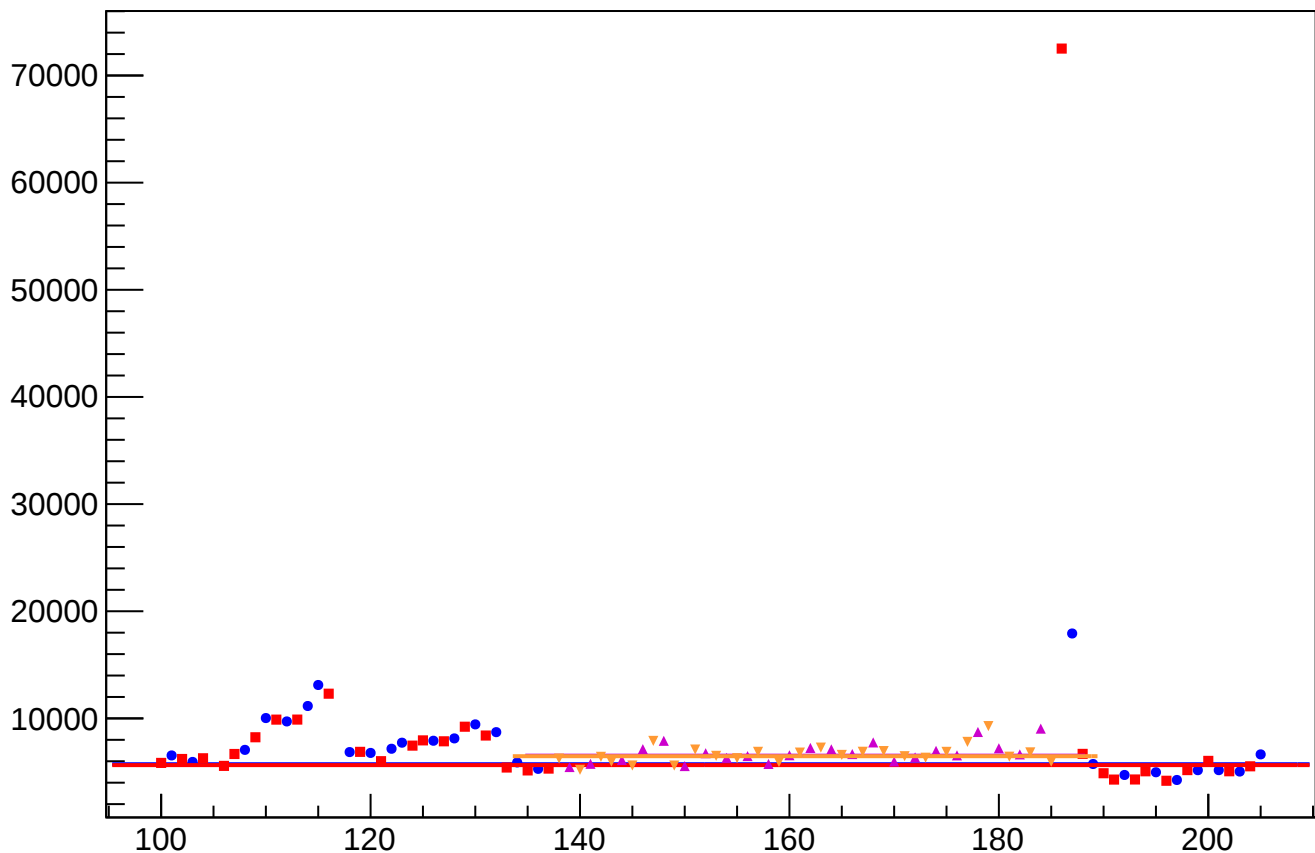
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.776 ± 1.119 χ^2/NDF : 41.6/50

All: 2.416 ± 0.789 χ^2/NDF : 106.4/103

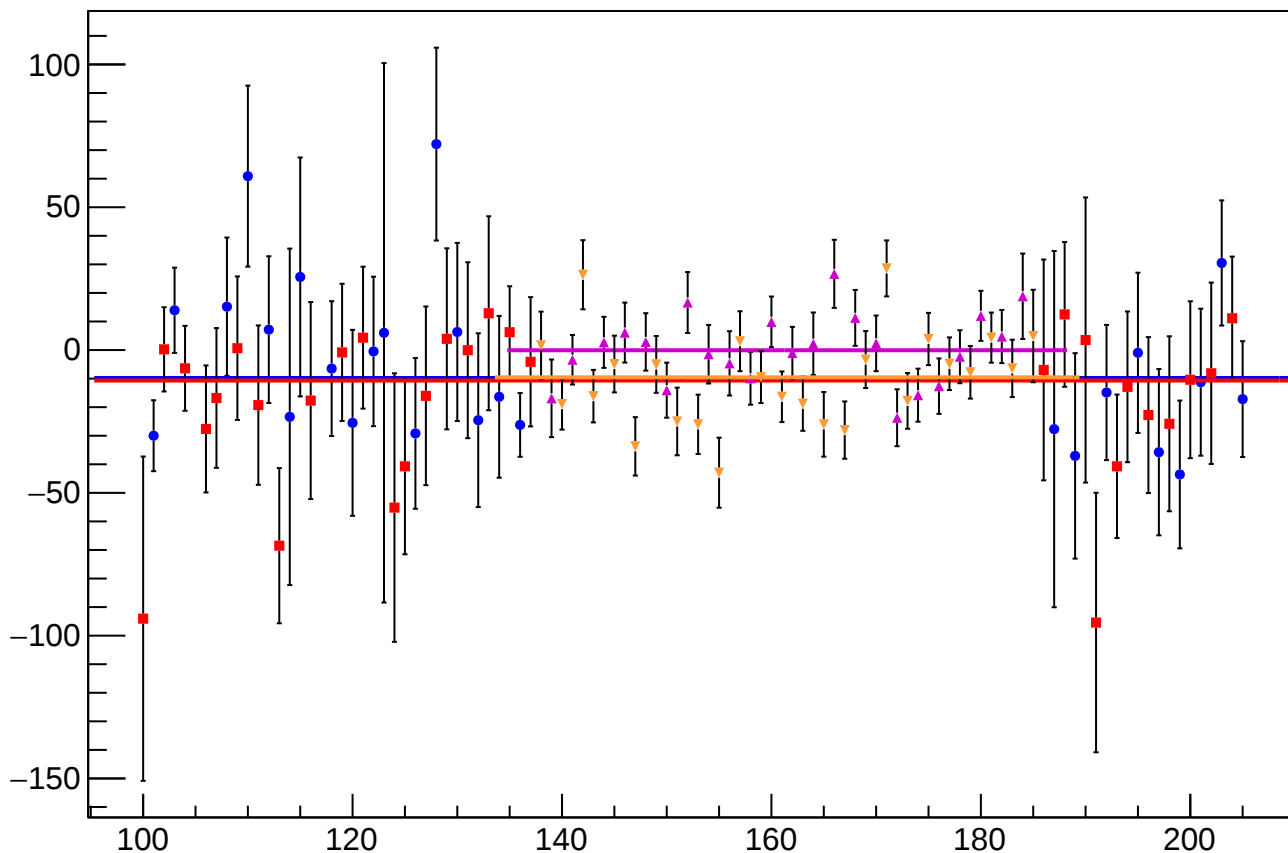
- sign 2.060 ± 1.112 χ^2/NDF : 64.6/52

diff_bpm4ecY_rms vs Slug



Right In: 5723.115 ± 1.166 $\chi^2/\text{NDF}: 1492945.5/25$ + sign 6126.841 ± 0.791 $\chi^2/\text{NDF}: 2205702.9/50$
 Left Out: 6471.976 ± 1.078 $\chi^2/\text{NDF}: 490282.9/24$ All: 6102.230 ± 0.558 $\chi^2/\text{NDF}: 5122382.7/10$
 Right Out: 5639.855 ± 1.108 $\chi^2/\text{NDF}: 2120071.4/29$ - sign 6077.937 ± 0.786 $\chi^2/\text{NDF}: 2914758.1/52$
 Left In: 6521.975 ± 1.116 $\chi^2/\text{NDF}: 480034.7/22$

diff_bpm1X_mean vs Slug



Right In: -9.776 ± 4.620 χ^2/NDF : 28.8/25

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -10.668 ± 4.672 χ^2/NDF : 20.0/29

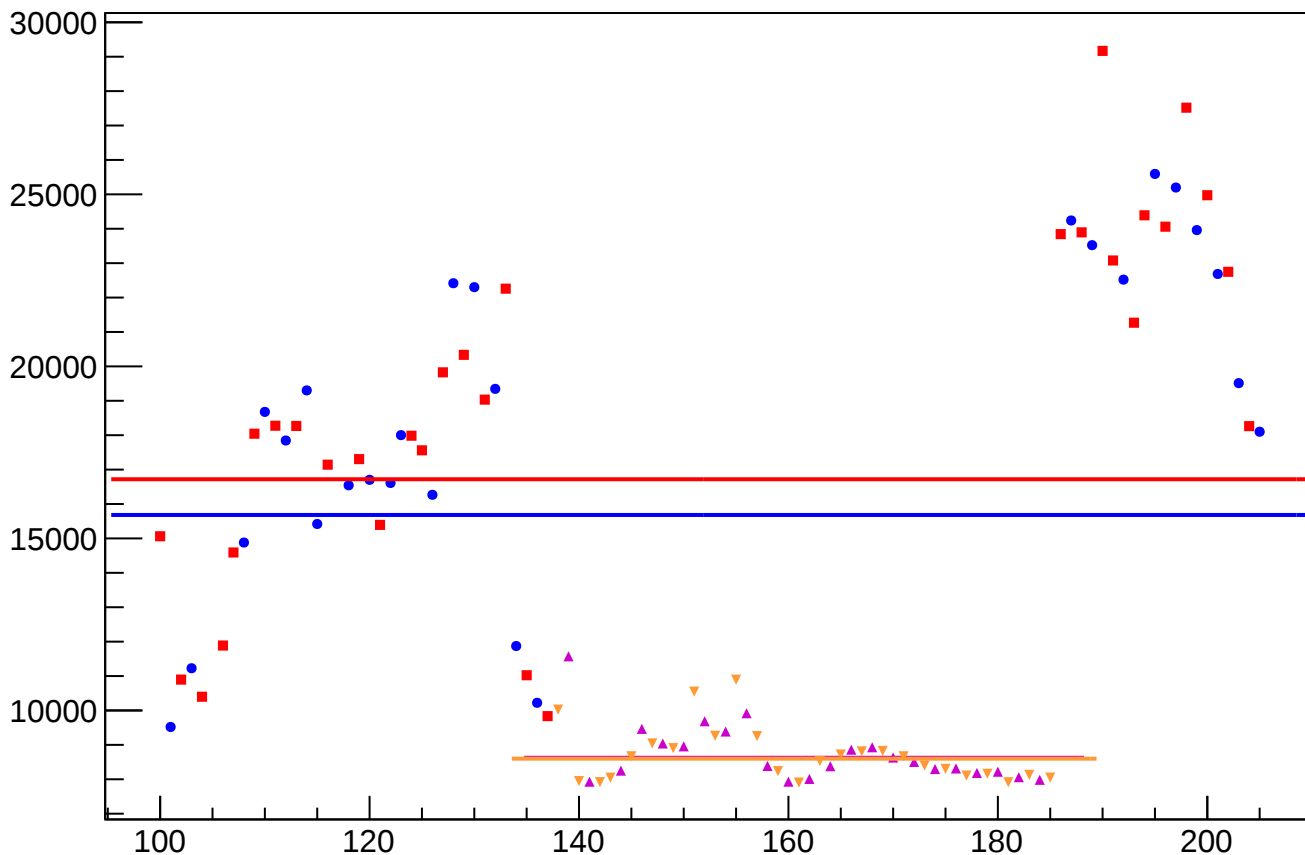
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.590 ± 1.845 χ^2/NDF : 88.3/50

All: -5.806 ± 1.322 χ^2/NDF : 151.1/103

- sign -1.814 ± 1.895 χ^2/NDF : 54.1/52

diff_bpm1X_rms vs Slug



Right In: 15681.746 $\pm$ 3.267 χ^2 /NDF: 2640857.6/25

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 16720.042 $\pm$ 3.304 χ^2 /NDF: 2642130.5/29

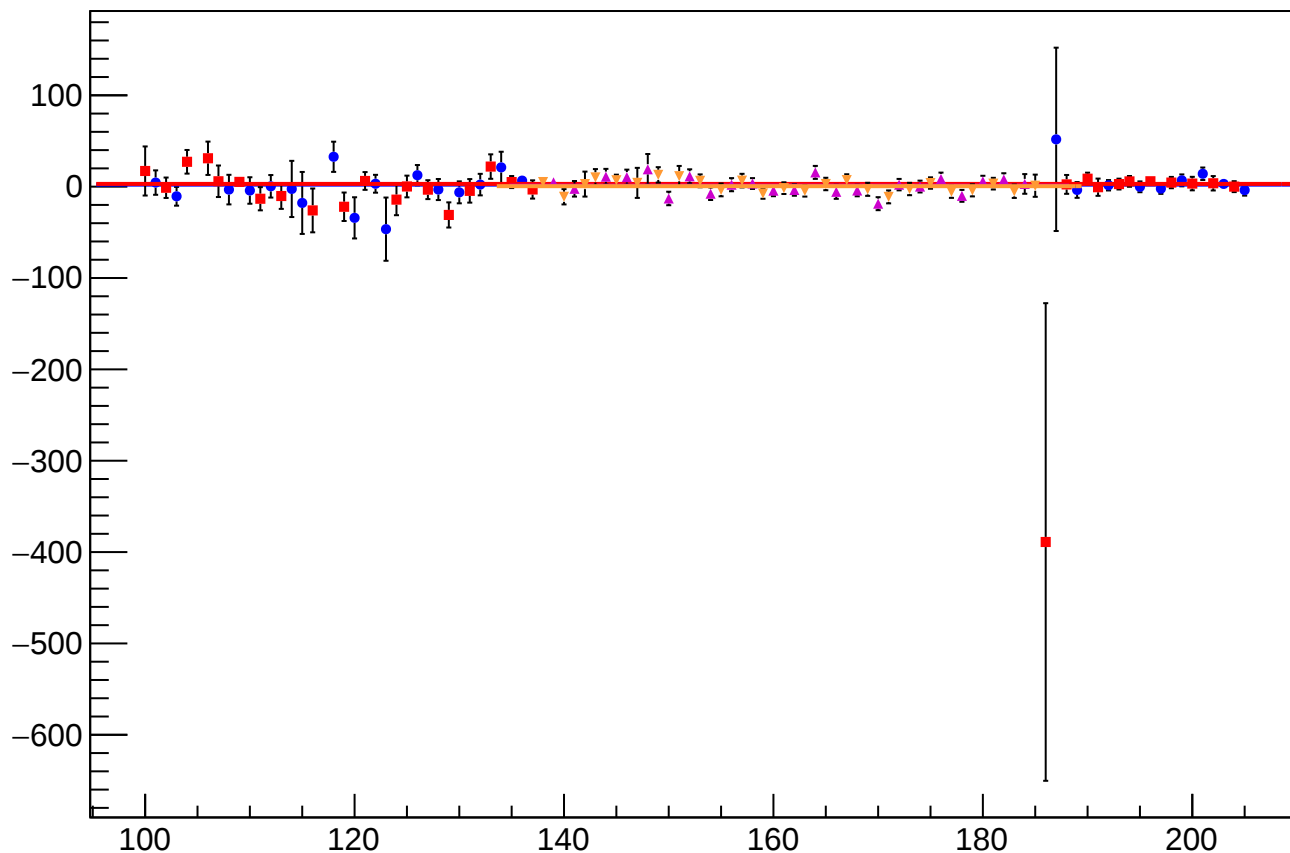
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 9727.720 $\pm$ 1.304 χ^2 /NDF: 6840617.1/50

All: 9838.992 $\pm$ 0.935 χ^2 /NDF: 14751299.4/1

- sign 9956.398 $\pm$ 1.340 χ^2 /NDF: 7895724.0/52

diff_bpm1Y_mean vs Slug



Right In: 2.224 $\pm$ 1.715 χ^2 /NDF: 20.0/25

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.004 $\pm$ 1.599 χ^2 /NDF: 27.6/29

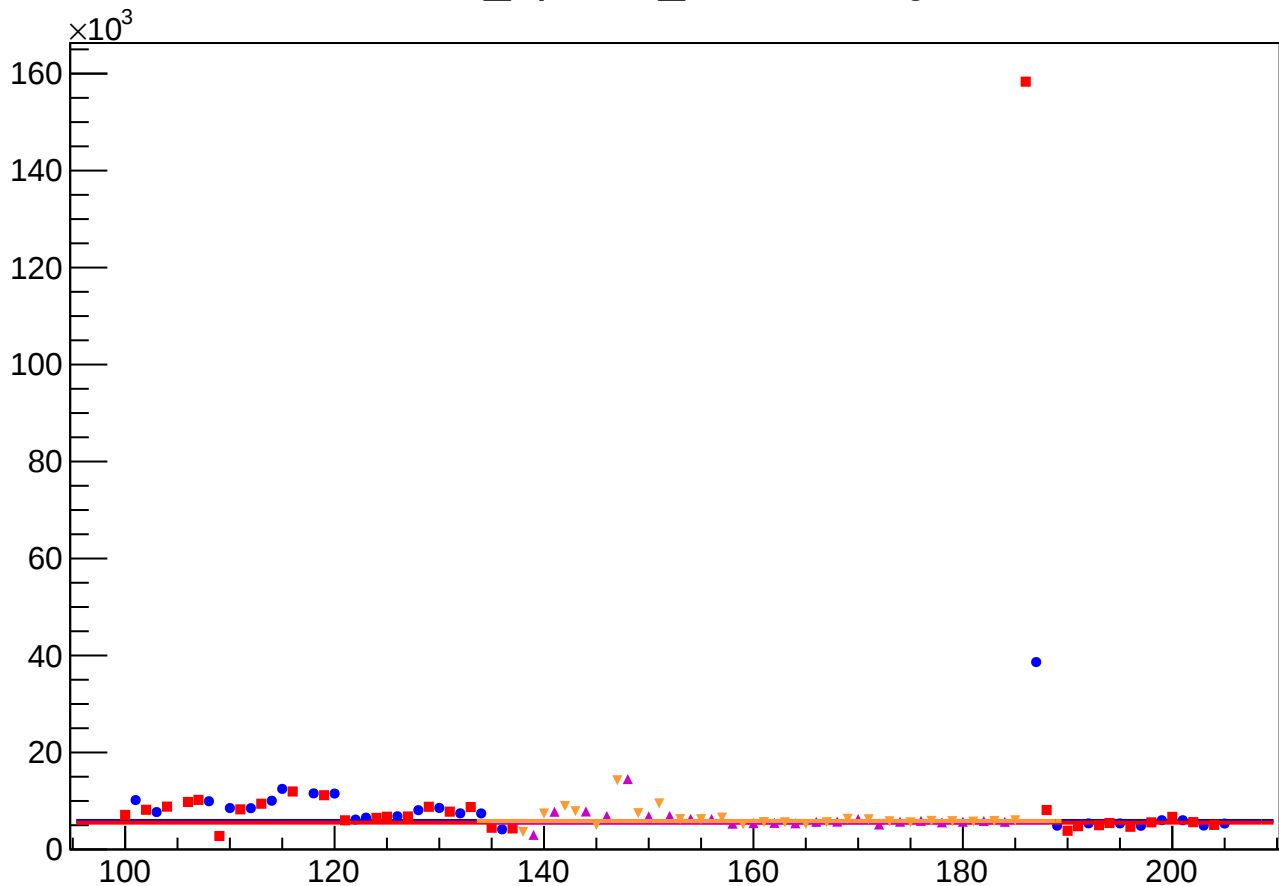
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.217 $\pm$ 1.093 χ^2 /NDF: 40.1/50

All: 1.569 $\pm$ 0.758 χ^2 /NDF: 101.2/103

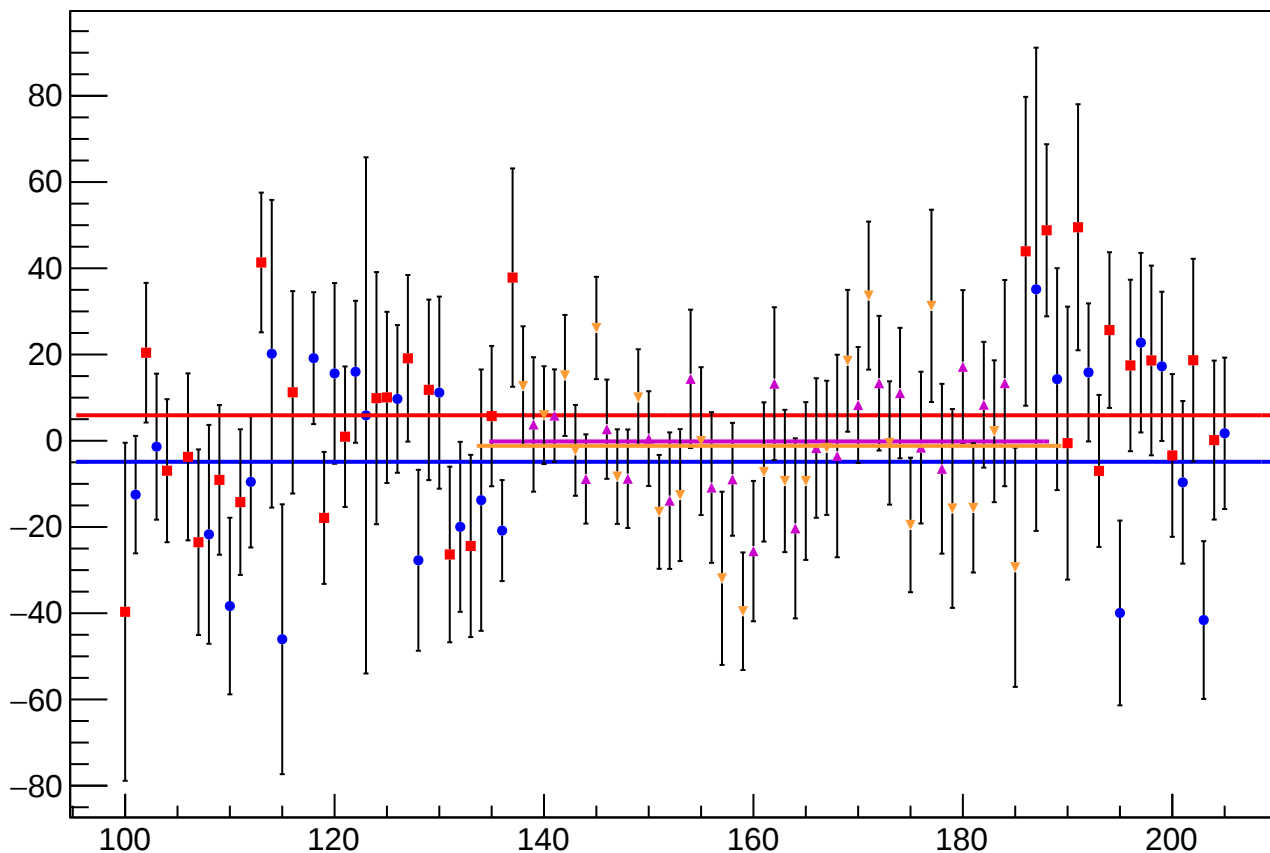
- sign 1.894 $\pm$ 1.052 χ^2 /NDF: 60.9/52

diff_bpm1Y_rms vs Slug



Right In: 5873.024+/-1.213	χ^2/NDF : 1975886.0/25	+ sign 5865.647+/-0.773	χ^2/NDF : 3665997.4/50
Left Out: 5860.605+/-1.002	χ^2/NDF : 1690049.2/24	All: 5702.638+/-0.536	χ^2/NDF : 9313739.8/10
Right Out: 5525.818+/-1.131	χ^2/NDF : 3398288.4/29	- sign 5551.657+/-0.744	χ^2/NDF : 5561996.1/52
Left In: 5571.330+/-0.987	χ^2/NDF : 2162788.3/22		

diff_bpm11X_mean vs Slug



Right In: -4.880 ± 3.761 χ^2/NDF : 28.9/25

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 5.910 ± 3.627 χ^2/NDF : 32.3/29

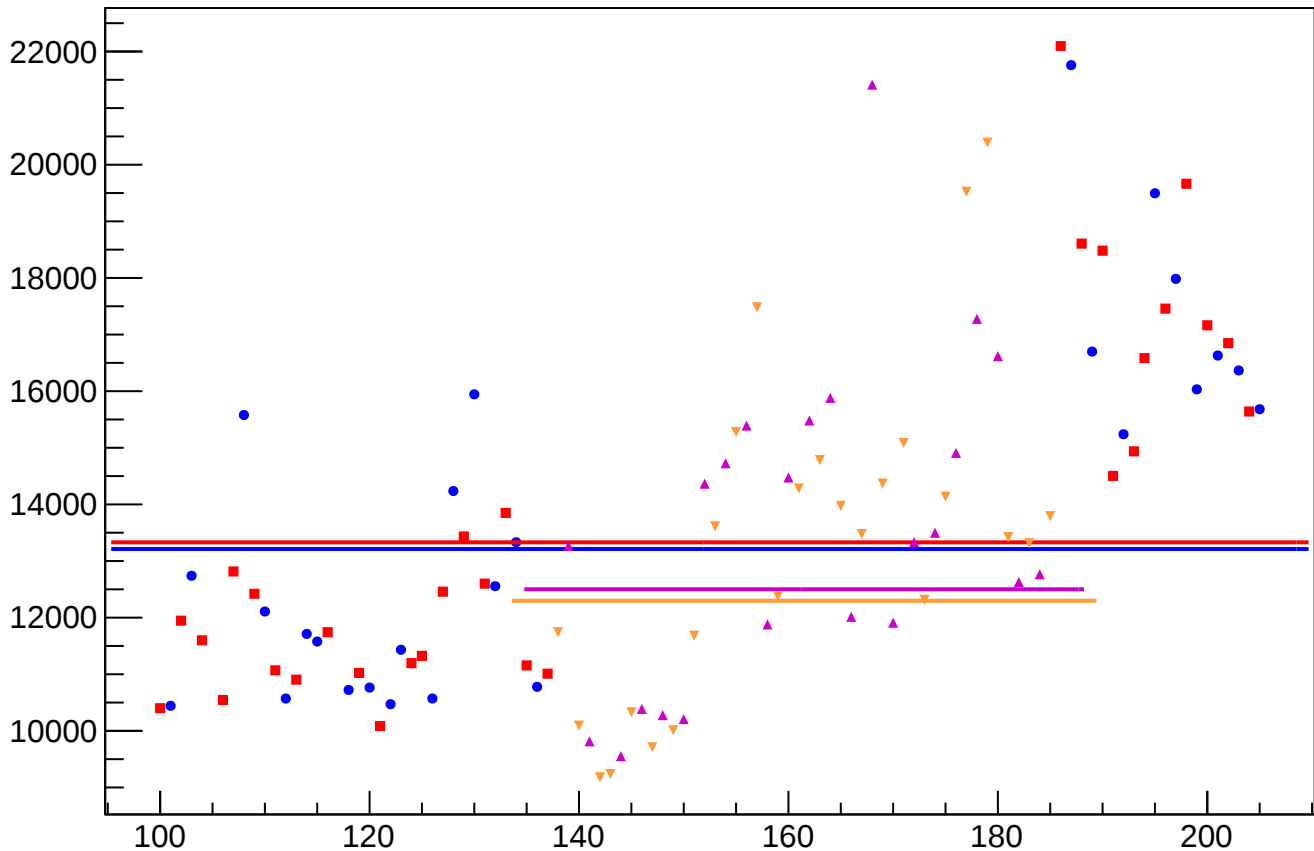
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.584 ± 2.316 χ^2/NDF : 63.1/50

All: -0.134 ± 1.645 χ^2/NDF : 110.9/103

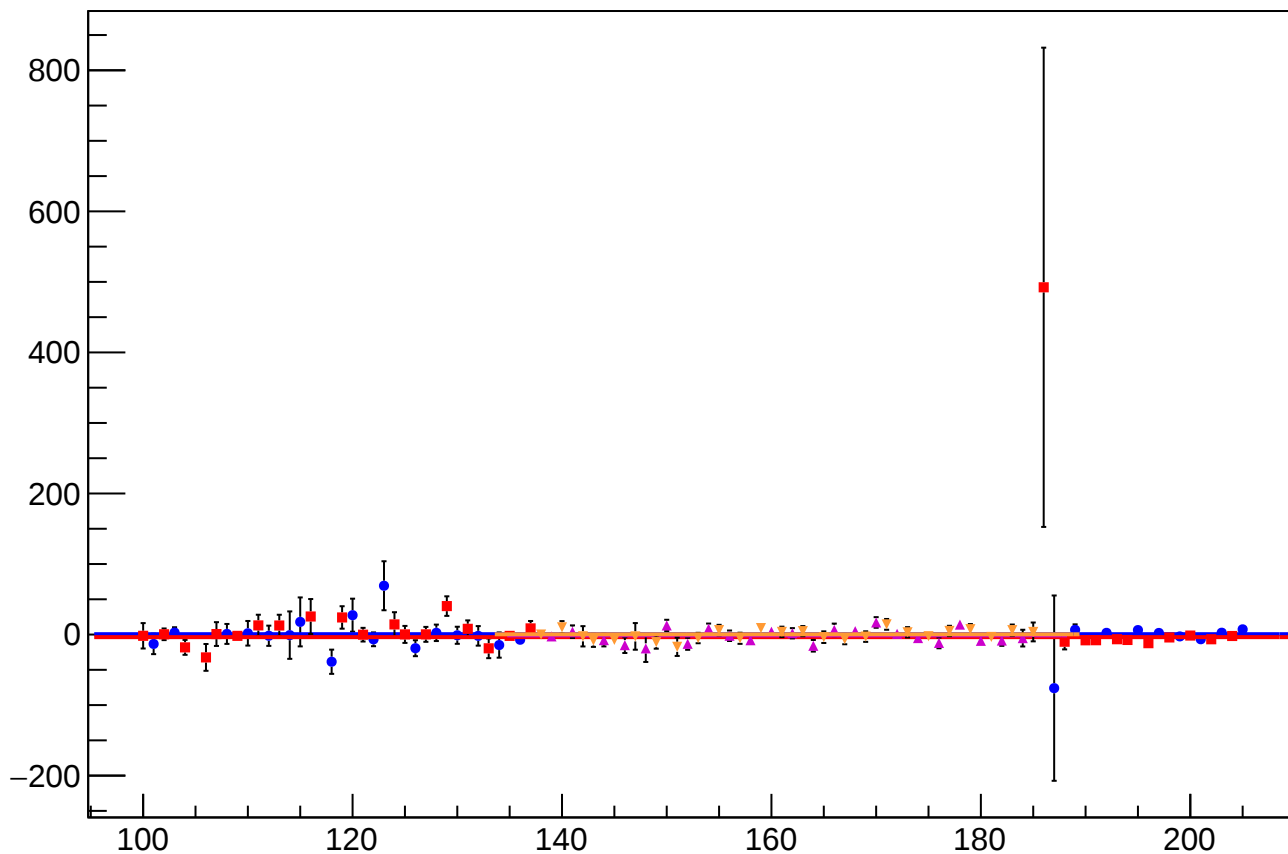
- sign 2.364 ± 2.338 χ^2/NDF : 45.5/52

diff_bpm11X_rms vs Slug



Right In: 13211.642+/-2.659	χ^2/NDF : 1095248.8/25	+ sign 12644.809+/-1.637	χ^2/NDF : 2674452.4/50
Left Out: 12298.676+/-2.078	χ^2/NDF : 1506026.8/24	All: 12744.118+/-1.163	χ^2/NDF : 5310763.2/1
Right Out: 13329.986+/-2.565	χ^2/NDF : 1209893.0/29	- sign 12845.342+/-1.653	χ^2/NDF : 2628883.2/52
Left In: 12500.795+/-2.162	χ^2/NDF : 1357889.1/22		

diff_bpm11Y_mean vs Slug



Right In: 0.518 ± 1.470 χ^2/NDF : 26.7/25

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.678 ± 1.410 χ^2/NDF : 34.6/29

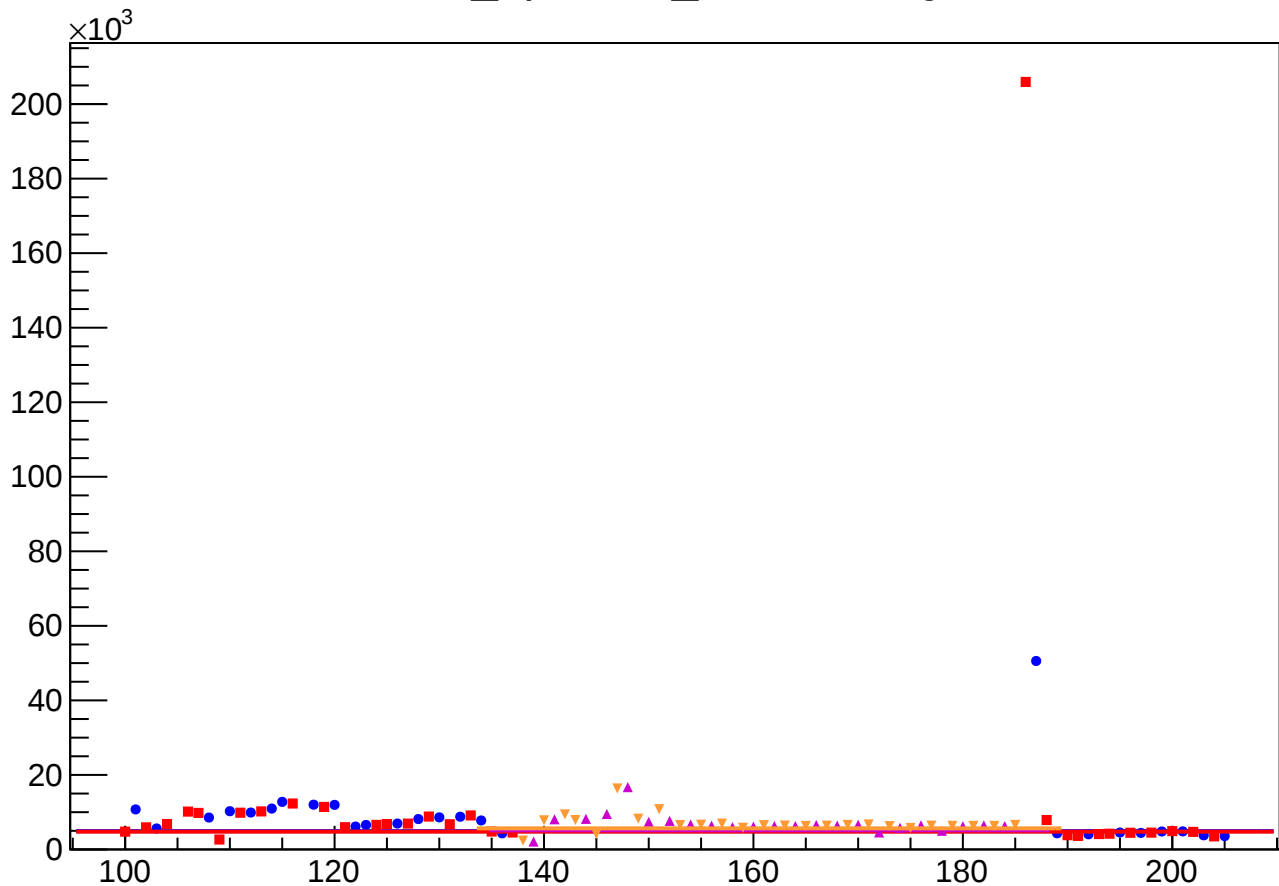
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.434 ± 1.026 χ^2/NDF : 45.9/50

All: -1.037 ± 0.710 χ^2/NDF : 119.6/103

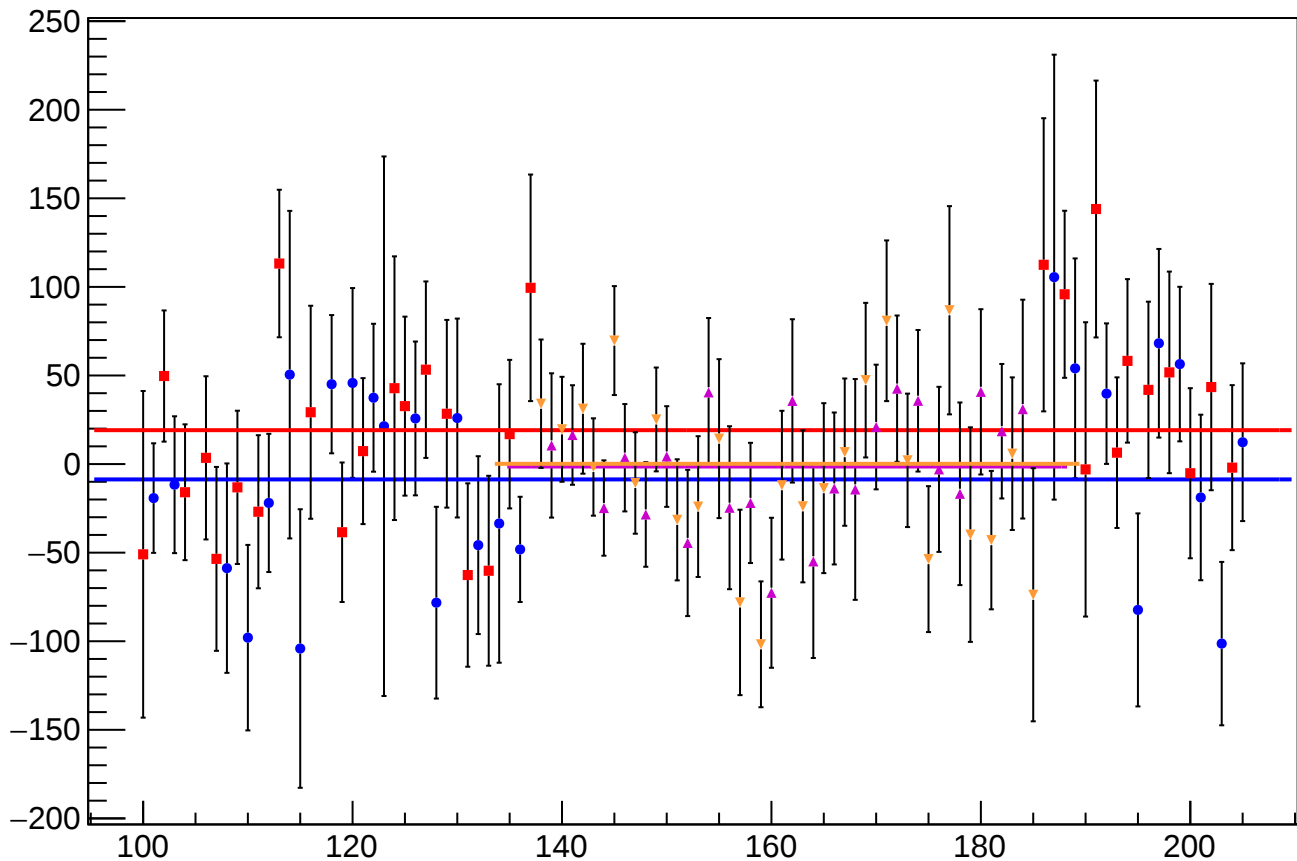
- sign -2.386 ± 0.983 χ^2/NDF : 69.8/52

diff_bpm11Y_rms vs Slug



Right In: 4909.858 ± 1.040 $\chi^2/\text{NDF}: 2990512.6/25$ + sign 5294.222 ± 0.726 $\chi^2/\text{NDF}: 7385578.9/50$
 Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$ All: 5122.628 ± 0.502 $\chi^2/\text{NDF}: 16761476.1/100$
 Right Out: 4782.680 ± 0.997 $\chi^2/\text{NDF}: 3707938.2/29$ - sign 4965.190 ± 0.695 $\chi^2/\text{NDF}: 9268717.7/52$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

diff_bpm12X_mean vs Slug



Right In: -8.665 ± 9.360 χ^2/NDF : 28.8/25

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 19.130 ± 9.034 χ^2/NDF : 29.1/29

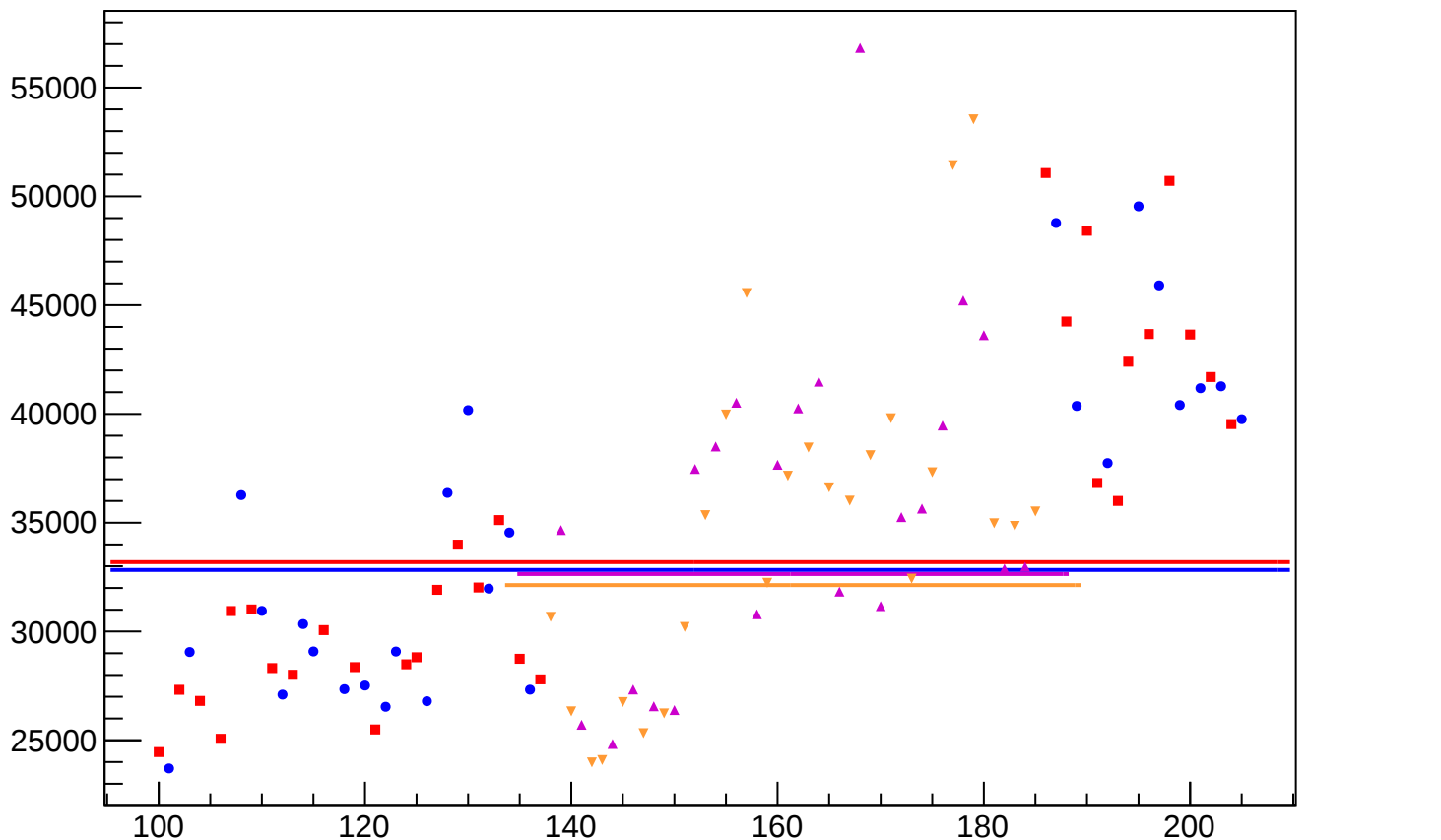
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -3.403 ± 5.939 χ^2/NDF : 60.6/50

All: 2.068 ± 4.216 χ^2/NDF : 107.6/103

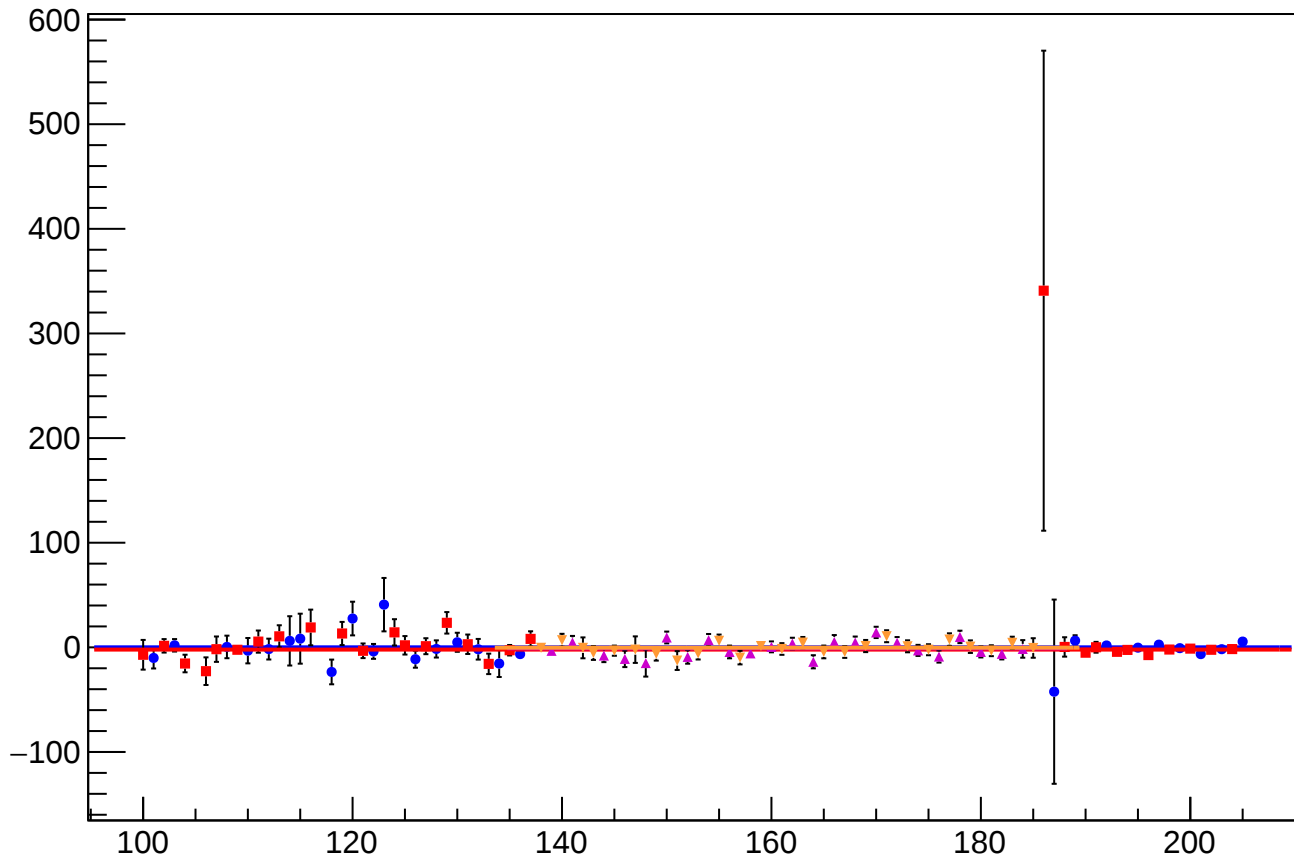
- sign 7.625 ± 5.985 χ^2/NDF : 45.3/52

diff_bpm12X_rms vs Slug



Right In: 32828.857+/-6.618	$\chi^2/\text{NDF}: 1150348.4/25$	+ sign 32412.723+/-4.199	$\chi^2/\text{NDF}: 2697045.1/50$
Left Out: 32132.314+/-5.433	$\chi^2/\text{NDF}: 1540079.4/24$	All: 32645.399+/-2.981	$\chi^2/\text{NDF}: 5348290.9/1$
Right Out: 33189.275+/-6.388	$\chi^2/\text{NDF}: 1238764.2/29$	- sign 32881.735+/-4.232	$\chi^2/\text{NDF}: 2645057.3/52$
Left In: 32641.162+/-5.650	$\chi^2/\text{NDF}: 1402162.4/22$		

diff_bpm12Y_mean vs Slug



Right In: 0.015 ± 0.948 χ^2/NDF : 31.5/25

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.141 ± 0.980 χ^2/NDF : 29.6/29

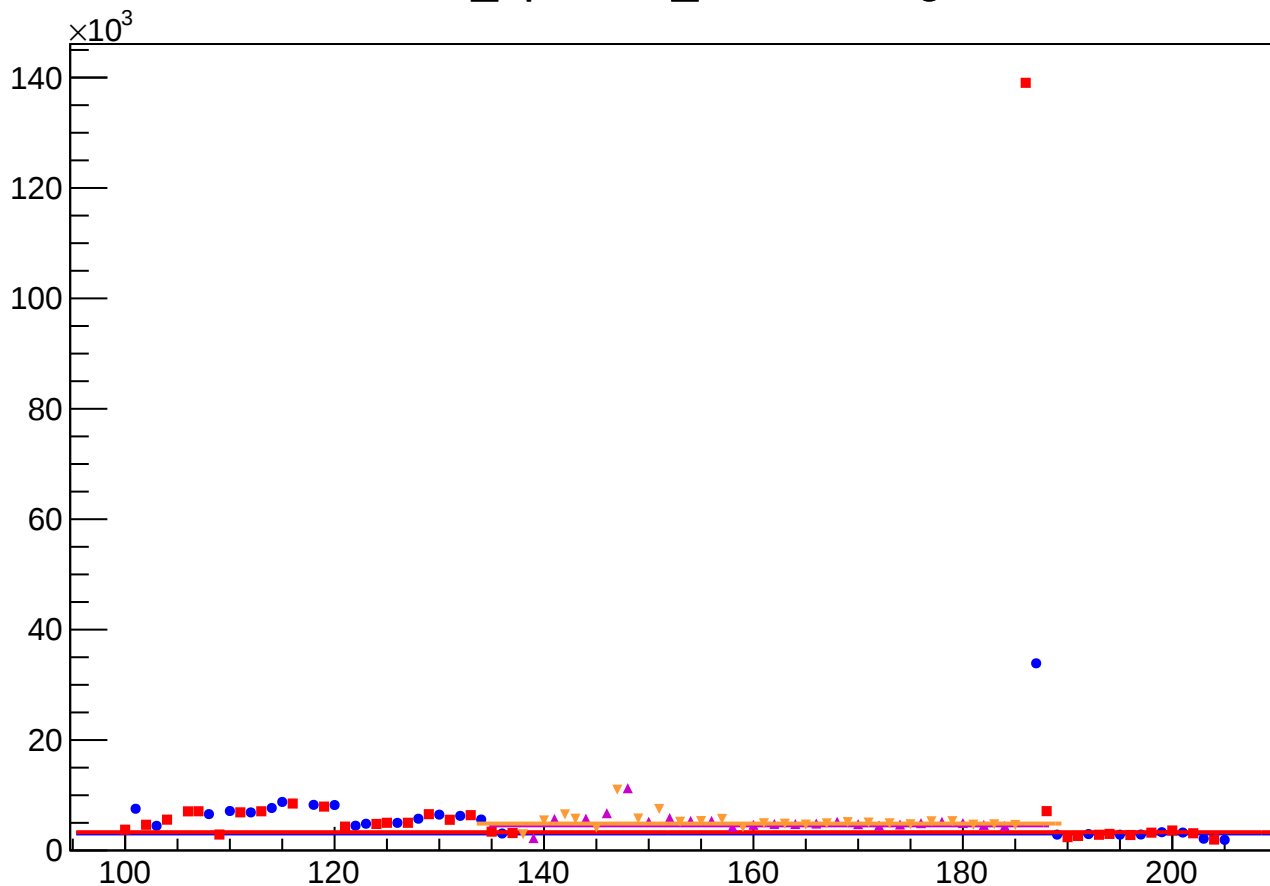
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.114 ± 0.737 χ^2/NDF : 49.2/50

All: -0.859 ± 0.523 χ^2/NDF : 117.8/103

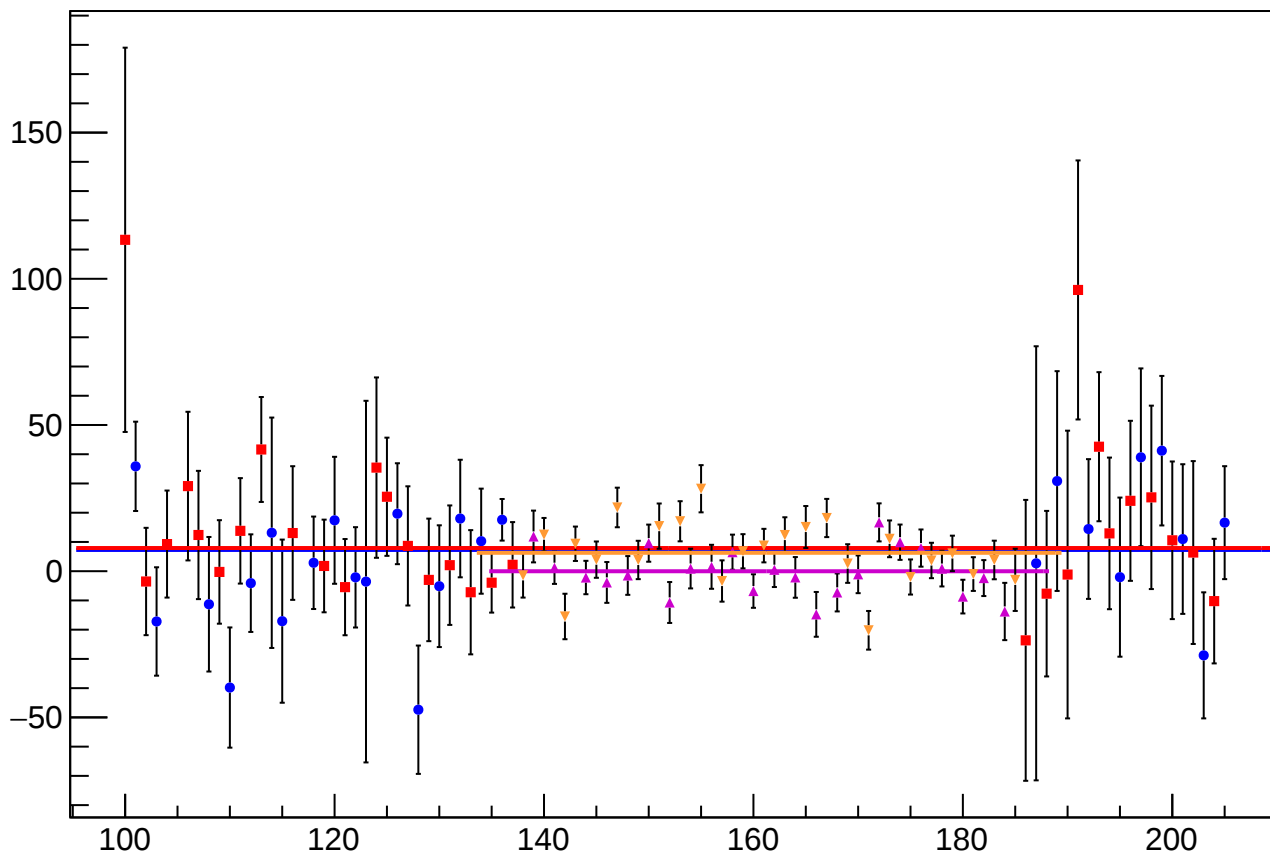
- sign -1.618 ± 0.744 χ^2/NDF : 66.5/52

diff_bpm12Y_rms vs Slug



Right In: 3082.045 ± 0.670 $\chi^2/\text{NDF}: 4164294.3/25$ + sign 3788.765 ± 0.521 $\chi^2/\text{NDF}: 8485824.3/50$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 3809.720 ± 0.370 $\chi^2/\text{NDF}: 16810086.7/100$
 Right Out: 3306.243 ± 0.693 $\chi^2/\text{NDF}: 4332840.0/29$ - sign 3831.058 ± 0.526 $\chi^2/\text{NDF}: 8320998.5/52$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 7.270 ± 3.707 χ^2/NDF : 29.0/25

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 7.923 ± 3.823 χ^2/NDF : 20.3/29

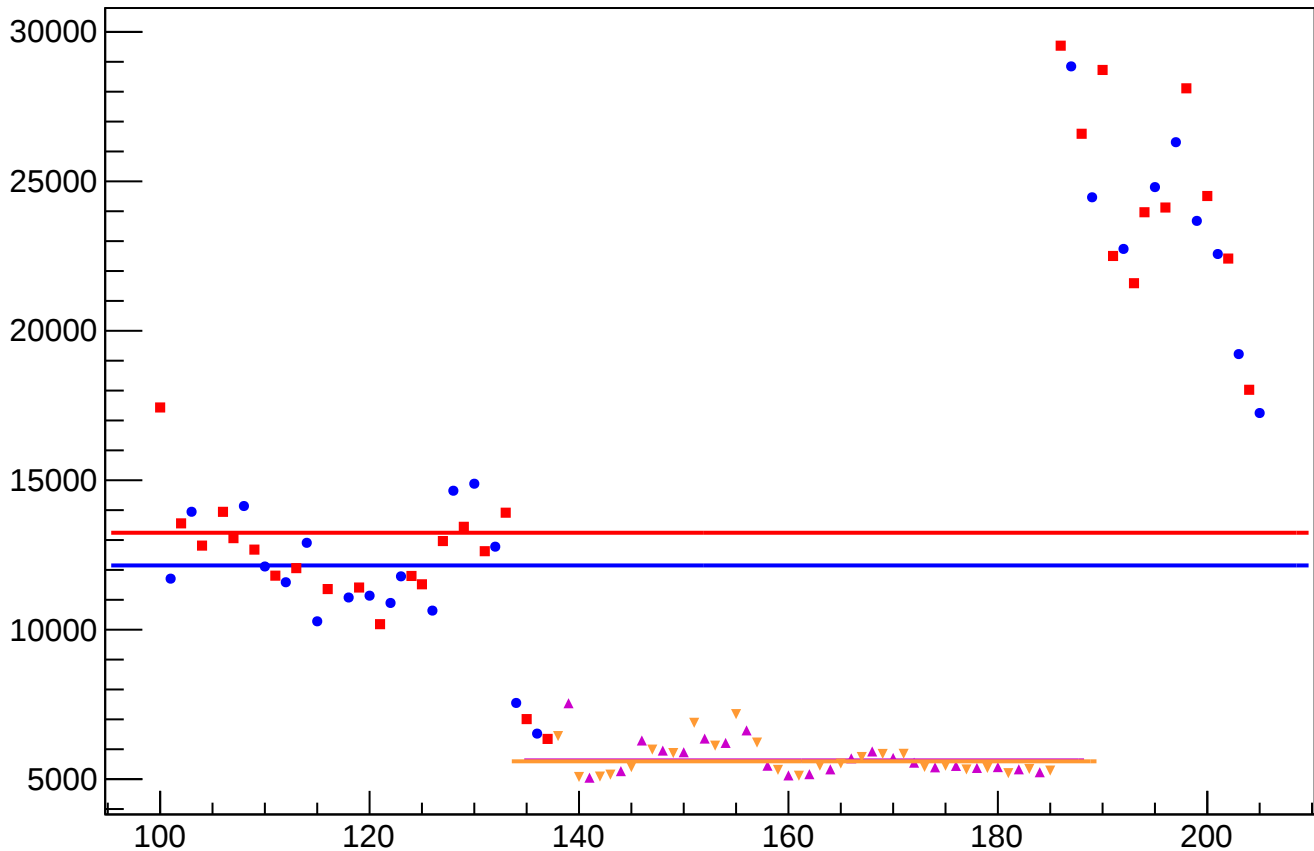
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.404 ± 1.235 χ^2/NDF : 85.6/50

All: 3.723 ± 0.887 χ^2/NDF : 149.4/103

- sign 0.864 ± 1.276 χ^2/NDF : 54.1/52

diff_bpm16X_rms vs Slug



Right In: 12149.724+/-2.621 χ^2/NDF : 4199780.5/25

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 13243.421+/-2.703 χ^2/NDF : 4262616.1/29

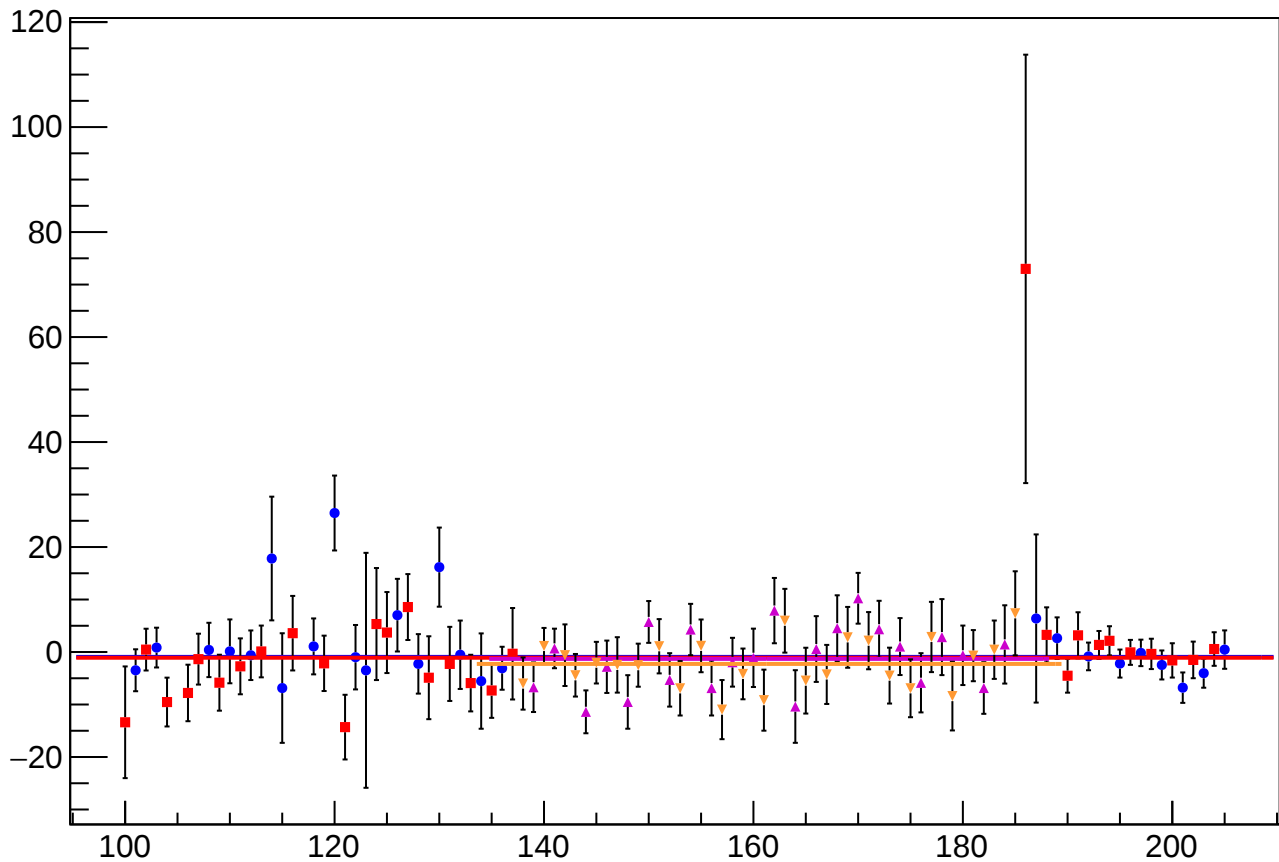
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6324.229+/-0.873 χ^2/NDF : 10041248.2/50

All: 6397.207+/-0.627 χ^2/NDF : 21650676.8/100

- sign 6475.022+/-0.902 χ^2/NDF : 11595005.1/52

diff_bpm16Y_mean vs Slug



Right In: -0.930 ± 0.825 χ^2/NDF : 32.7/25

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.087 ± 0.794 χ^2/NDF : 26.8/29

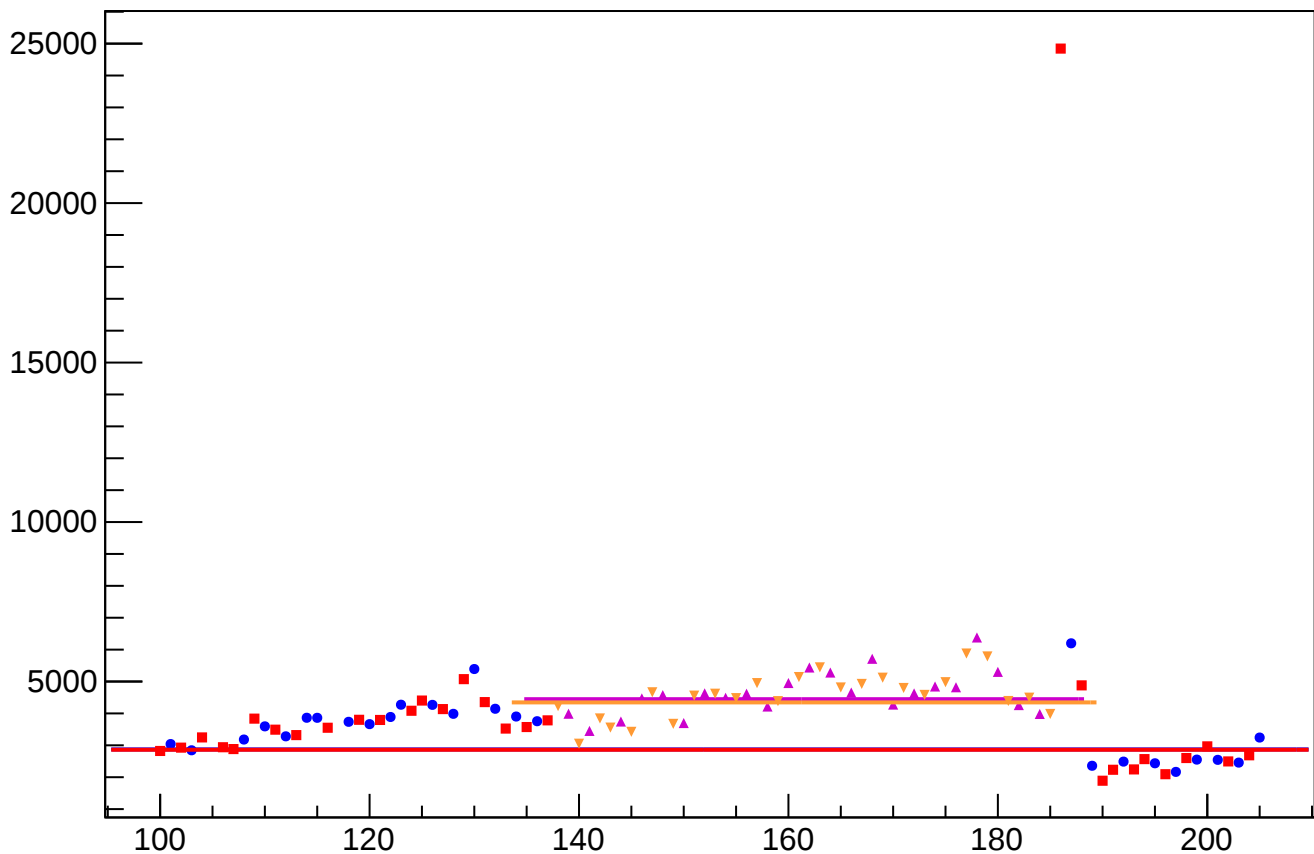
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.453 ± 0.644 χ^2/NDF : 49.1/50

All: -1.307 ± 0.453 χ^2/NDF : 106.8/103

- sign -1.164 ± 0.639 χ^2/NDF : 57.6/52

diff_bpm16Y_rms vs Slug



Right In: 2871.552 $\pm$ 0.583 χ^2 /NDF: 1293575.5/25

Left Out: 4345.381 $\pm$ 0.728 χ^2 /NDF: 1000636.1/24

Right Out: 2860.756 $\pm$ 0.561 χ^2 /NDF: 2263754.2/29

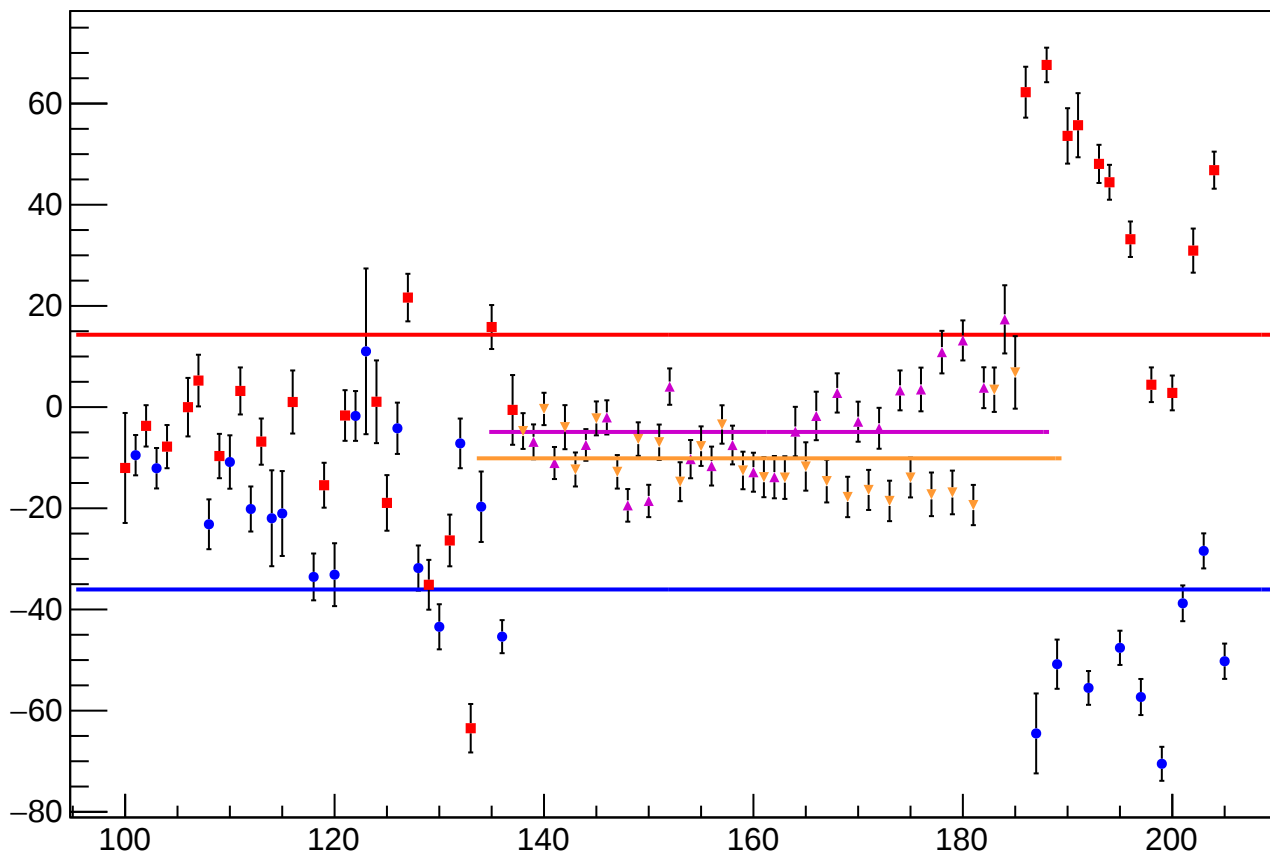
Left In: 4446.181 $\pm$ 0.762 χ^2 /NDF: 702797.6/22

+ sign 3447.580 $\pm$ 0.455 χ^2 /NDF: 4791437.8/50

All: 3433.136 $\pm$ 0.321 χ^2 /NDF: 10567958.6/1

- sign 3418.895 $\pm$ 0.452 χ^2 /NDF: 5774520.2/52

diff_bpm0l01X_mean vs Slug



Right In: -36.047 ± 0.864 χ^2/NDF : 507.4/25

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 14.303 ± 0.827 χ^2/NDF : 1379.6/29

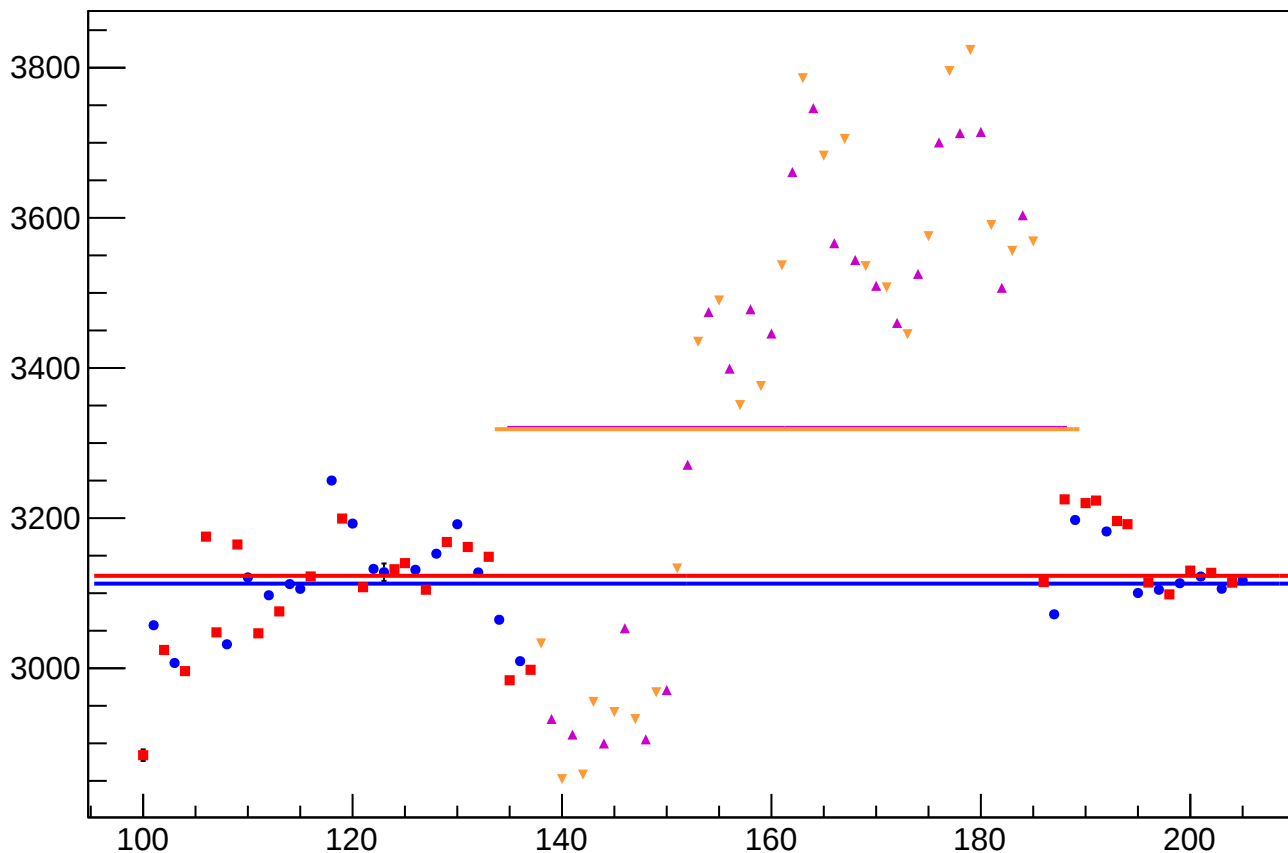
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -21.689 ± 0.577 χ^2/NDF : 1073.8/50

All: -8.606 ± 0.407 χ^2/NDF : 3883.2/103

- sign 4.338 ± 0.574 χ^2/NDF : 1787.2/52

diff_bpm0l01X_rms vs Slug



Right In: 3112.735 $\pm$ 0.611 χ^2 /NDF: 9000.1/25

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3123.155 $\pm$ 0.585 χ^2 /NDF: 13741.5/29

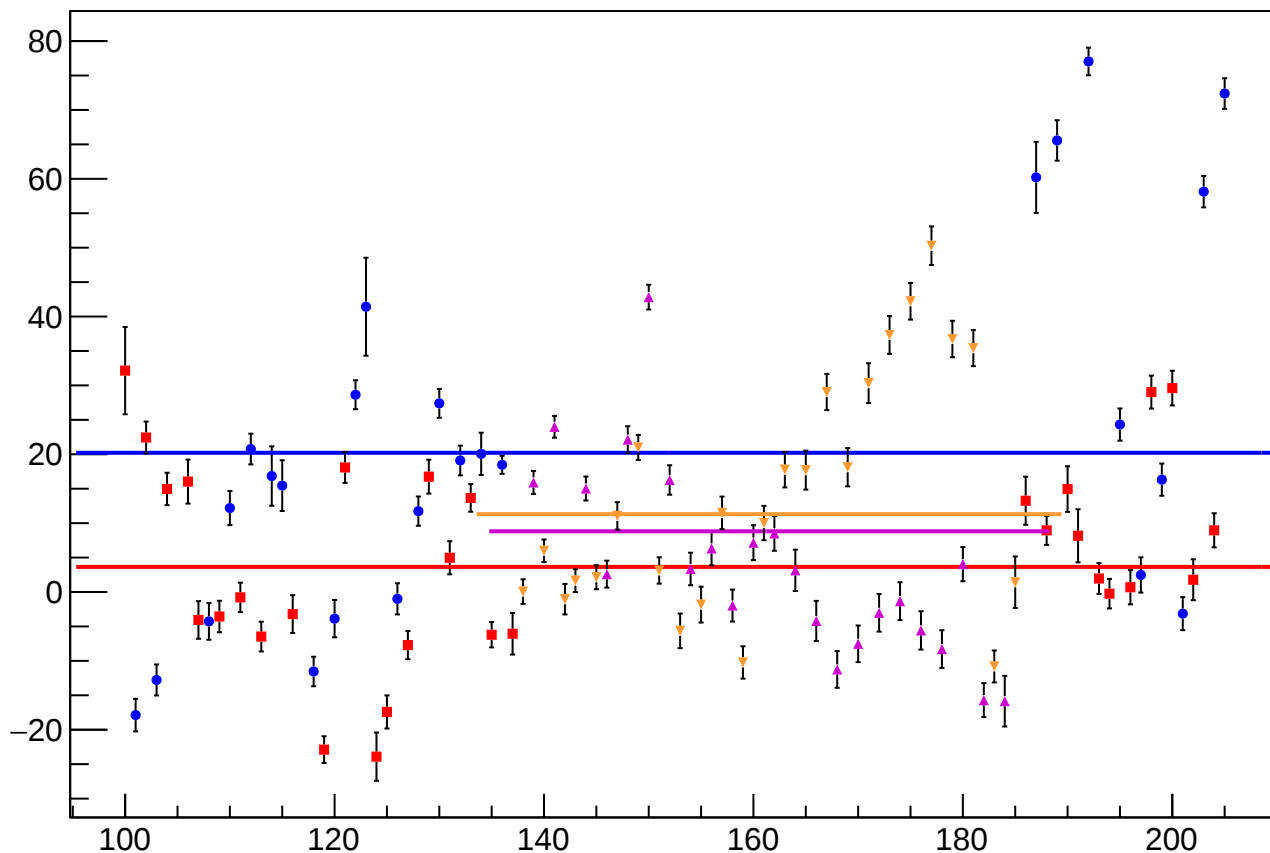
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3226.711 $\pm$ 0.408 χ^2 /NDF: 409517.2/50

All: 3226.019 $\pm$ 0.288 χ^2 /NDF: 769707.9/103

- sign 3225.336 $\pm$ 0.406 χ^2 /NDF: 360184.9/52

diff_bpm0l01Y_mean vs Slug



Right In: 20.217 $\pm$ 0.464 χ^2 /NDF: 3092.8/25

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 3.648 $\pm$ 0.448 χ^2 /NDF: 919.9/29

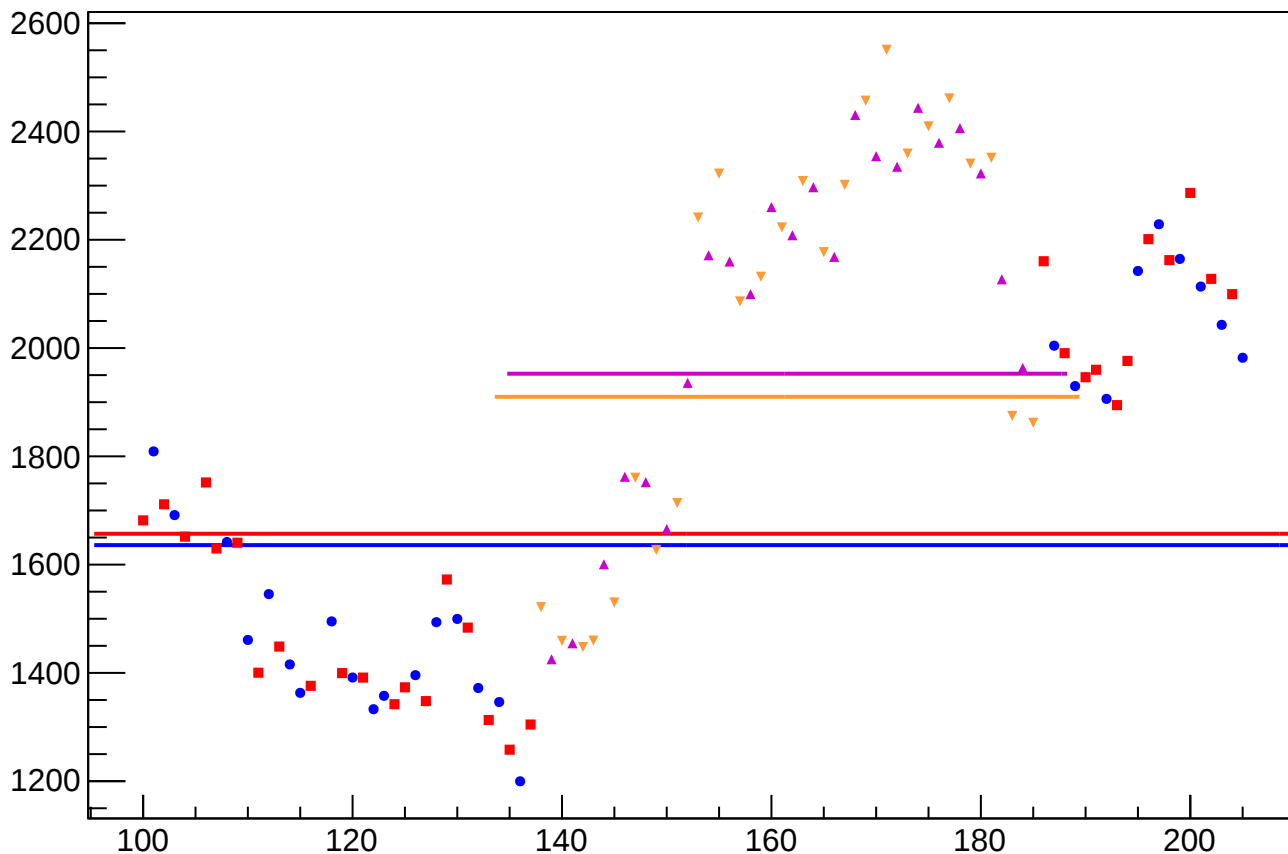
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 15.664 $\pm$ 0.324 χ^2 /NDF: 4425.7/50

All: 10.894 $\pm$ 0.230 χ^2 /NDF: 6784.8/103

- sign 6.078 $\pm$ 0.326 χ^2 /NDF: 1924.7/52

diff_bpm0l01Y_rms vs Slug



Right In: 1636.019+/-0.328 χ^2/NDF : 982421.8/25

Left Out: 1909.963+/-0.321 χ^2/NDF :1399467.7/24

Right Out: 1657.005+/-0.317 χ^2/NDF : 1027532.2/29

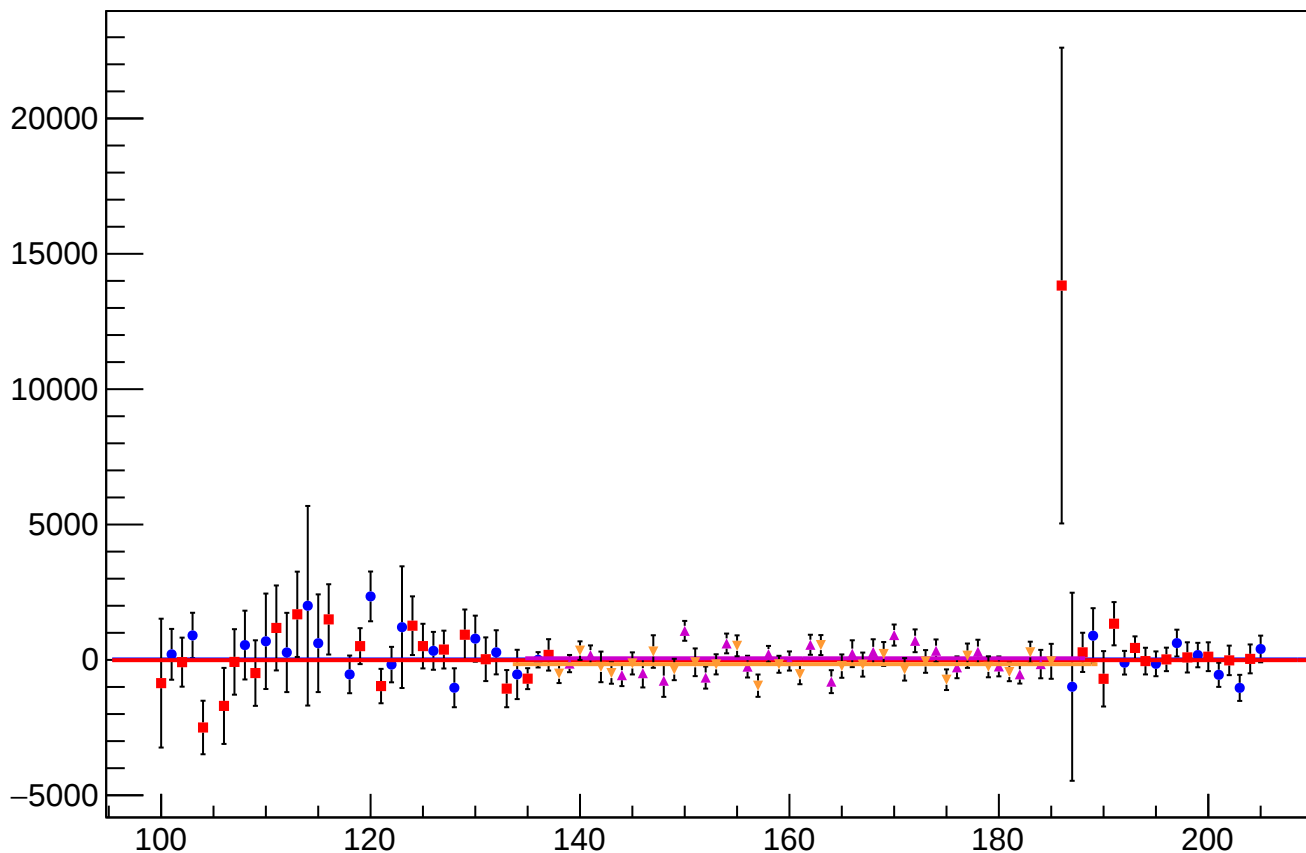
Left In: 1952.637+/-0.336 χ^2/NDF :1065333.8/22

+ sign 1775.972+/-0.229 χ^2/NDF : 2738296.7/50

All: 1785.953+/-0.163 χ^2/NDF : 5244724.3/10

- sign 1796.033+/-0.231 χ^2/NDF : 2502621.8/52

asym_sam1_mean vs Slug



Right In: 16.326 ± 124.871 χ^2/NDF : 22.6/25

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -10.105 ± 126.753 χ^2/NDF : 29.9/29

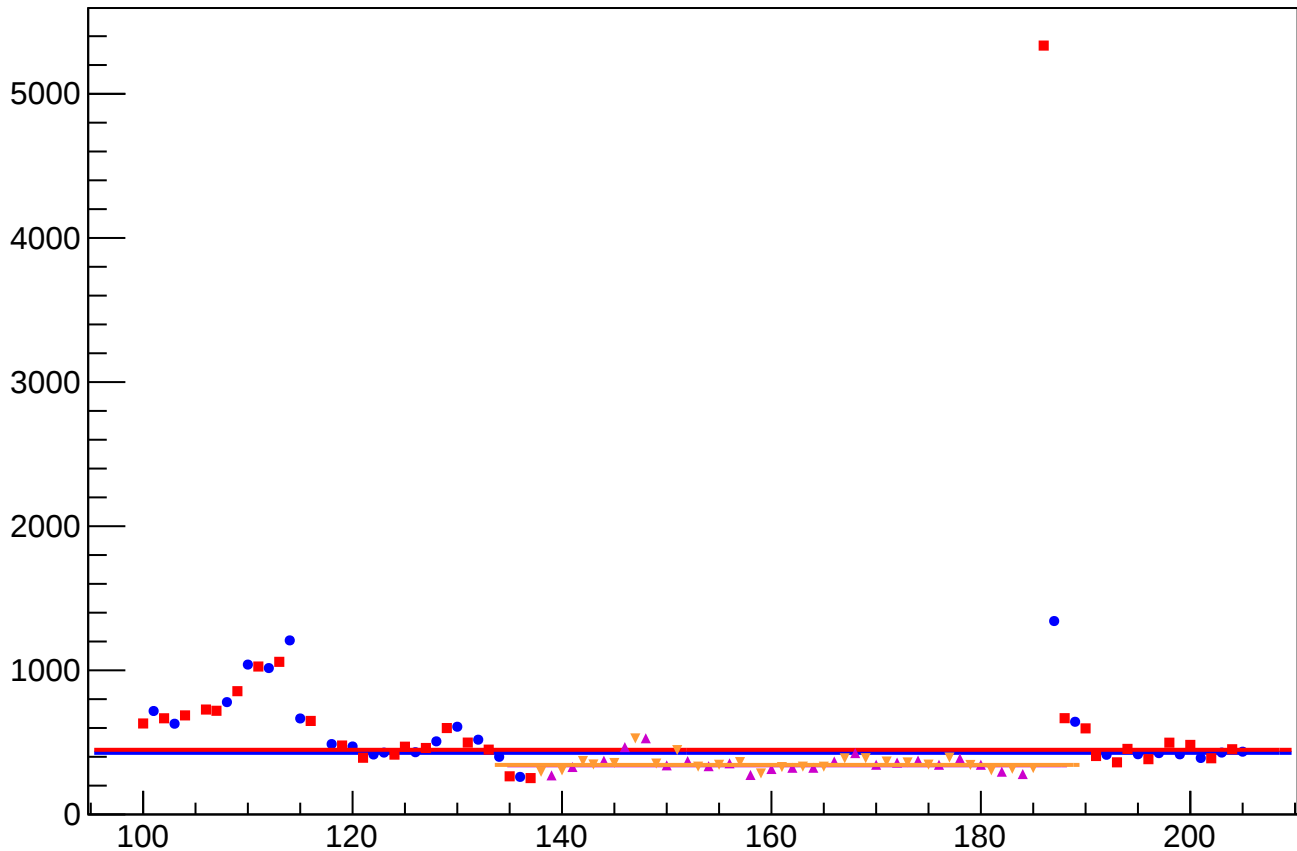
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -106.021 ± 67.835 χ^2/NDF : 46.0/50

All: -35.262 ± 48.440 χ^2/NDF : 116.8/103

- sign 38.360 ± 69.194 χ^2/NDF : 68.6/52

asym_sam1_rms vs Slug



Right In: 427.476 $\pm$ 0.088 χ^2 /NDF: 2252716.2/25

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 448.625 $\pm$ 0.090 χ^2 /NDF: 3058772.7/29

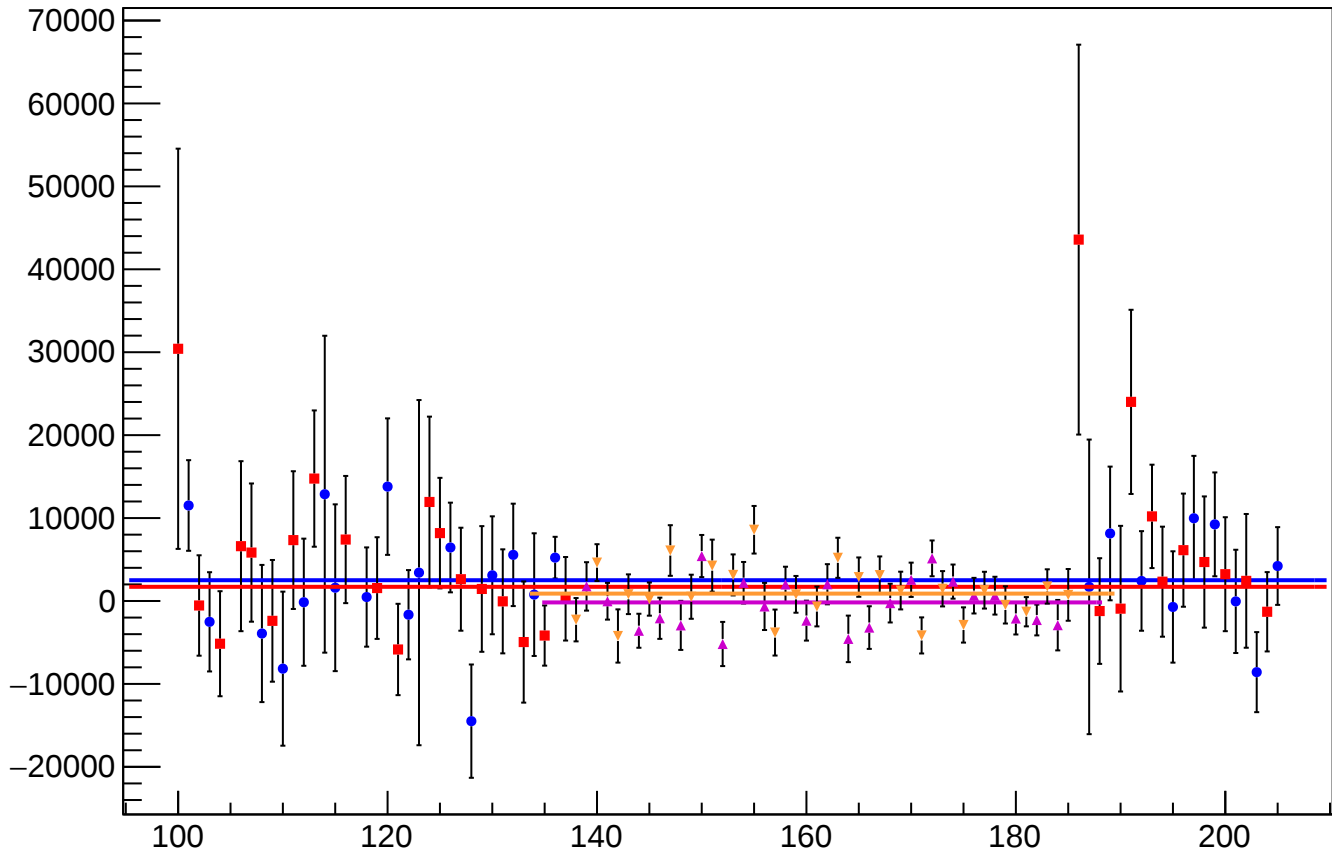
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 368.498 $\pm$ 0.048 χ^2 /NDF: 3425087.3/50

All: 370.697 $\pm$ 0.034 χ^2 /NDF: 8227390.0/103

- sign 372.986 $\pm$ 0.049 χ^2 /NDF: 4798012.7/52

asym_sam2_mean vs Slug



Right In: 2505.346 $\pm$ 1194.397 χ^2 /NDF: 25.0/25

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF: 38.0/24

Right Out: 1710.219 $\pm$ 1242.448 χ^2 /NDF: 24.9/29

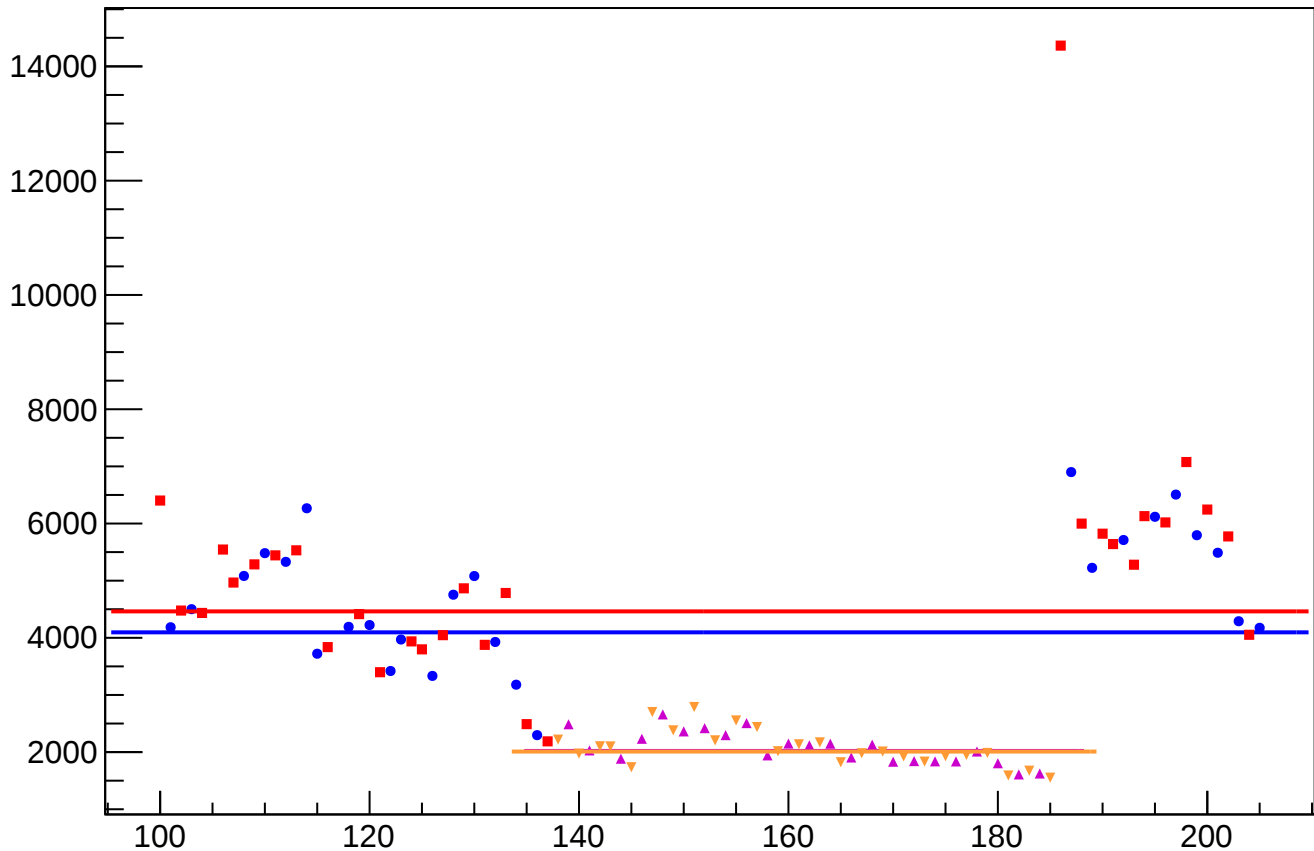
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

+ sign 1109.540 $\pm$ 439.982 χ^2 /NDF: 64.5/50

All: 610.874 $\pm$ 316.046 χ^2 /NDF: 127.2/103

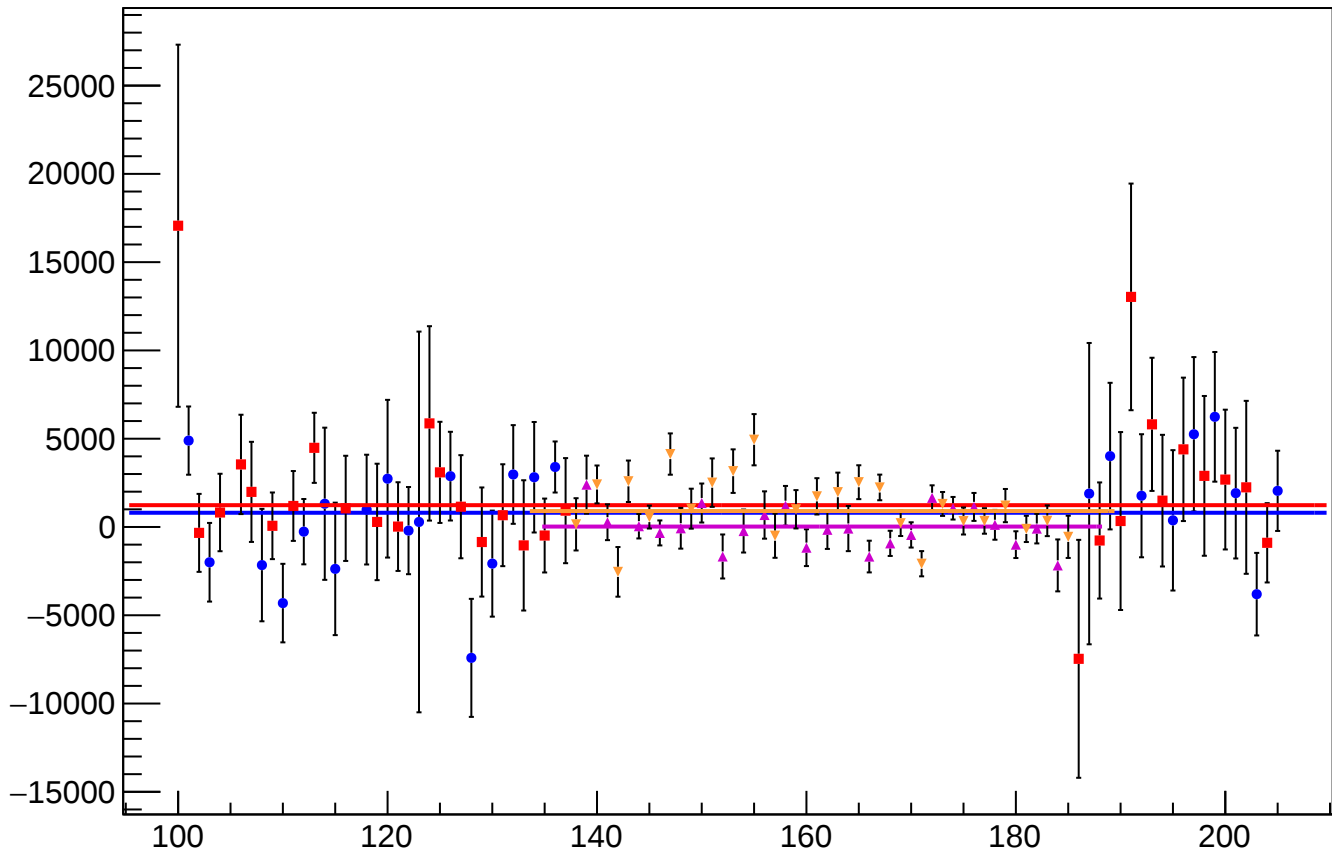
- sign 79.284 $\pm$ 454.274 χ^2 /NDF: 60.1/52

asym_sam2_rms vs Slug



Right In: 4095.865 ± 0.845 $\chi^2/\text{NDF}: 2222480.4/25$ + sign 2292.728 ± 0.311 $\chi^2/\text{NDF}: 8206267.0/50$
 Left Out: 2009.631 ± 0.335 $\chi^2/\text{NDF}: 709977.6/24$ All: 2318.927 ± 0.223 $\chi^2/\text{NDF}: 17981976.9/1$
 Right Out: 4462.617 ± 0.879 $\chi^2/\text{NDF}: 2492884.4/29$ - sign 2346.855 ± 0.321 $\chi^2/\text{NDF}: 9761059.3/52$
 Left In: 2020.365 ± 0.345 $\chi^2/\text{NDF}: 573483.0/22$

asym_sam3_mean vs Slug



Right In: 805.712 ± 544.406 χ^2/NDF : 33.7/25

Left Out: 902.091 ± 185.850 χ^2/NDF : 63.5/24

Right Out: 1235.245 ± 536.712 χ^2/NDF : 18.5/29

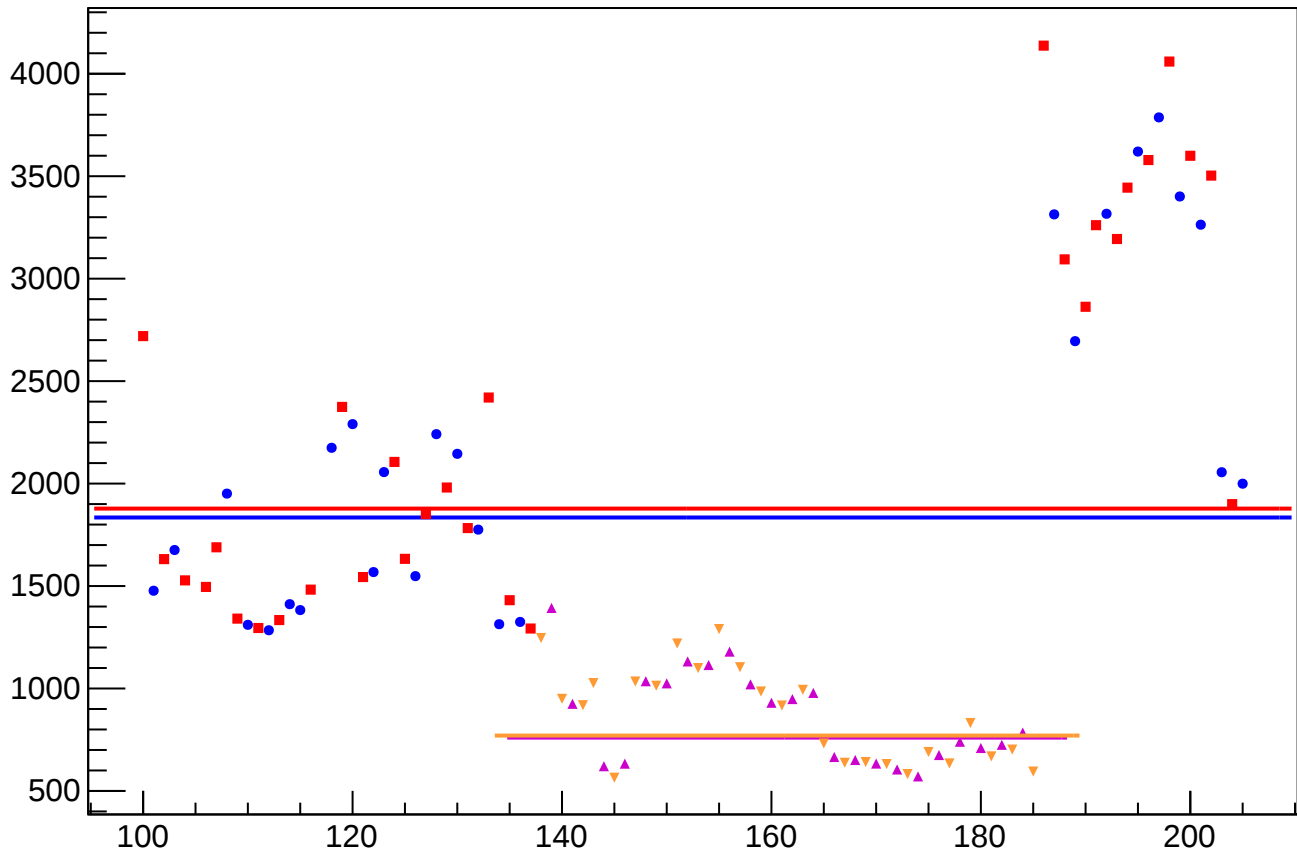
Left In: 23.529 ± 188.137 χ^2/NDF : 28.2/22

+ sign 892.032 ± 175.884 χ^2/NDF : 97.3/50

All: 527.538 ± 124.952 χ^2/NDF : 157.2/103

- sign 156.127 ± 177.545 χ^2/NDF : 51.2/52

asym_sam3_rms vs Slug



Right In: 1834.511+/-0.385 χ^2/NDF : 2868960.2/25

Left Out: 770.320+/-0.131 χ^2/NDF : 2287655.1/24

Right Out: 1877.978+/-0.380 χ^2/NDF : 3649379.5/29

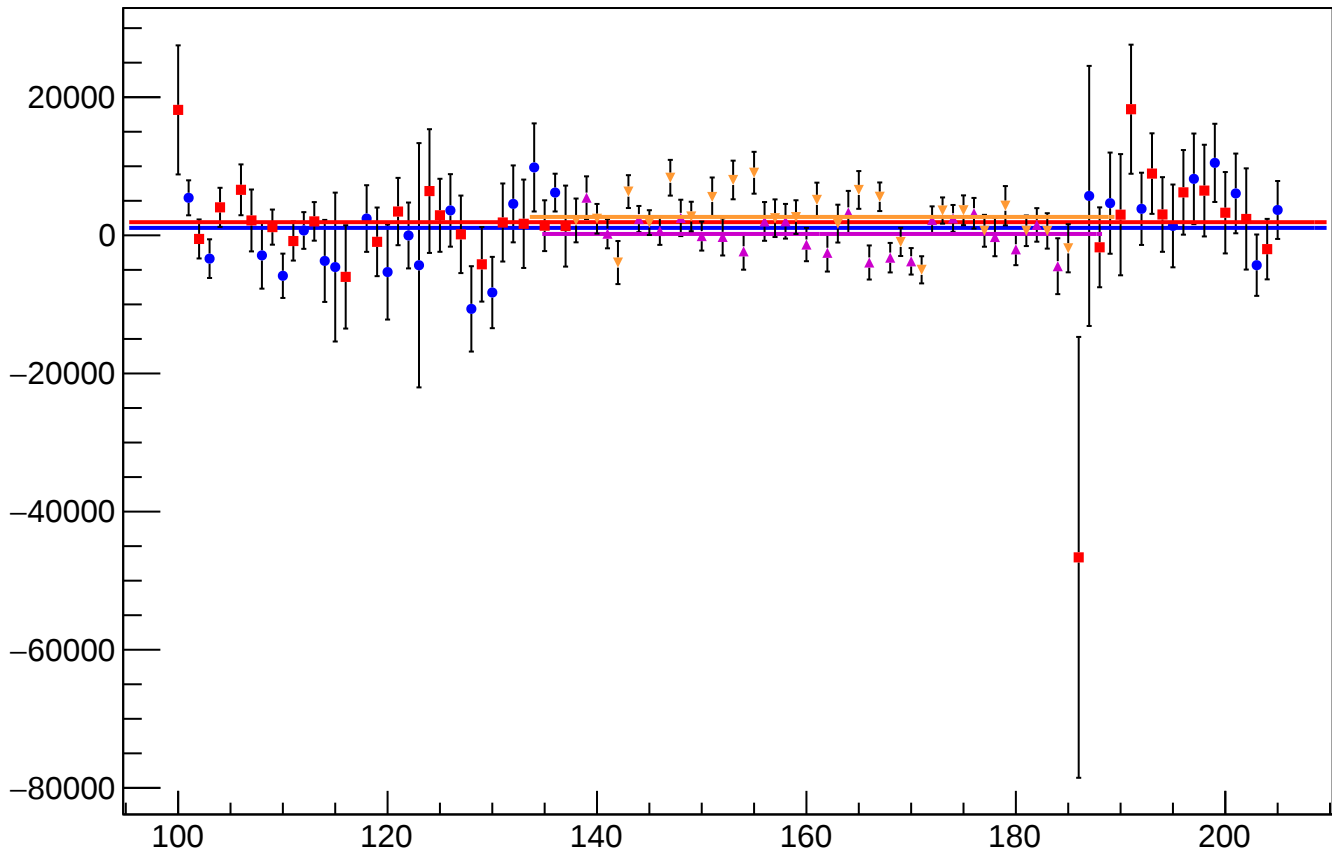
Left In: 760.352+/-0.133 χ^2/NDF : 1986749.8/22

+ sign 881.397+/-0.124 χ^2/NDF : 12001218.0/50

All: 882.019+/-0.088 χ^2/NDF : 25360817.7/10

- sign 882.653+/-0.126 χ^2/NDF : 13359549.1/52

asym_sam4_mean vs Slug



Right In: 1079.078 $\pm$ 883.297 χ^2 /NDF: 32.9/25

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 1904.206 $\pm$ 834.881 χ^2 /NDF: 19.3/29

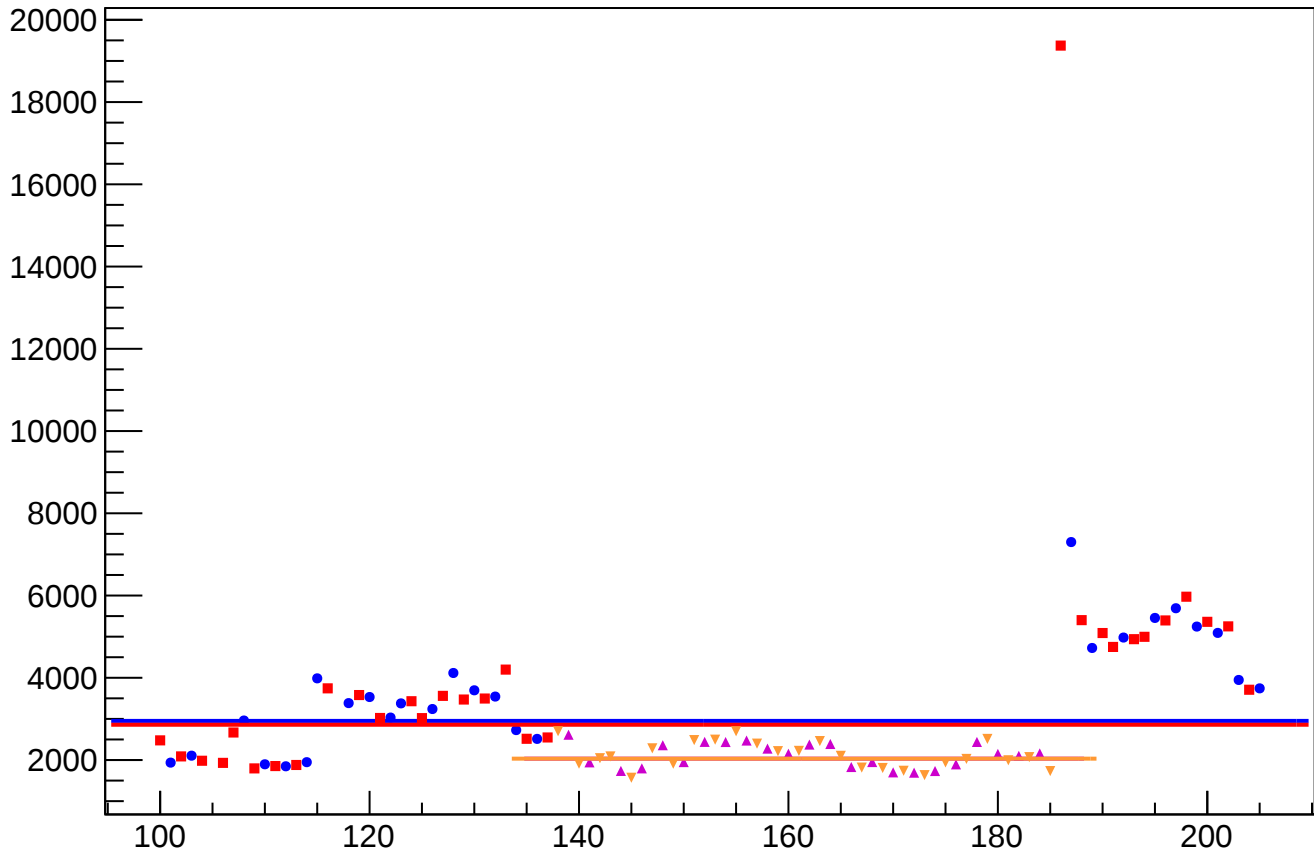
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2304.159 $\pm$ 421.596 χ^2 /NDF: 84.6/50

All: 1476.129 $\pm$ 298.934 χ^2 /NDF: 140.6/103

- sign 638.925 $\pm$ 423.926 χ^2 /NDF: 48.2/52

asym_sam4_rms vs Slug



Right In: 2951.370 $\pm$ 0.625 χ^2 /NDF: 3364148.6/25

Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24

Right Out: 2857.996 $\pm$ 0.590 χ^2 /NDF: 4729764.6/29

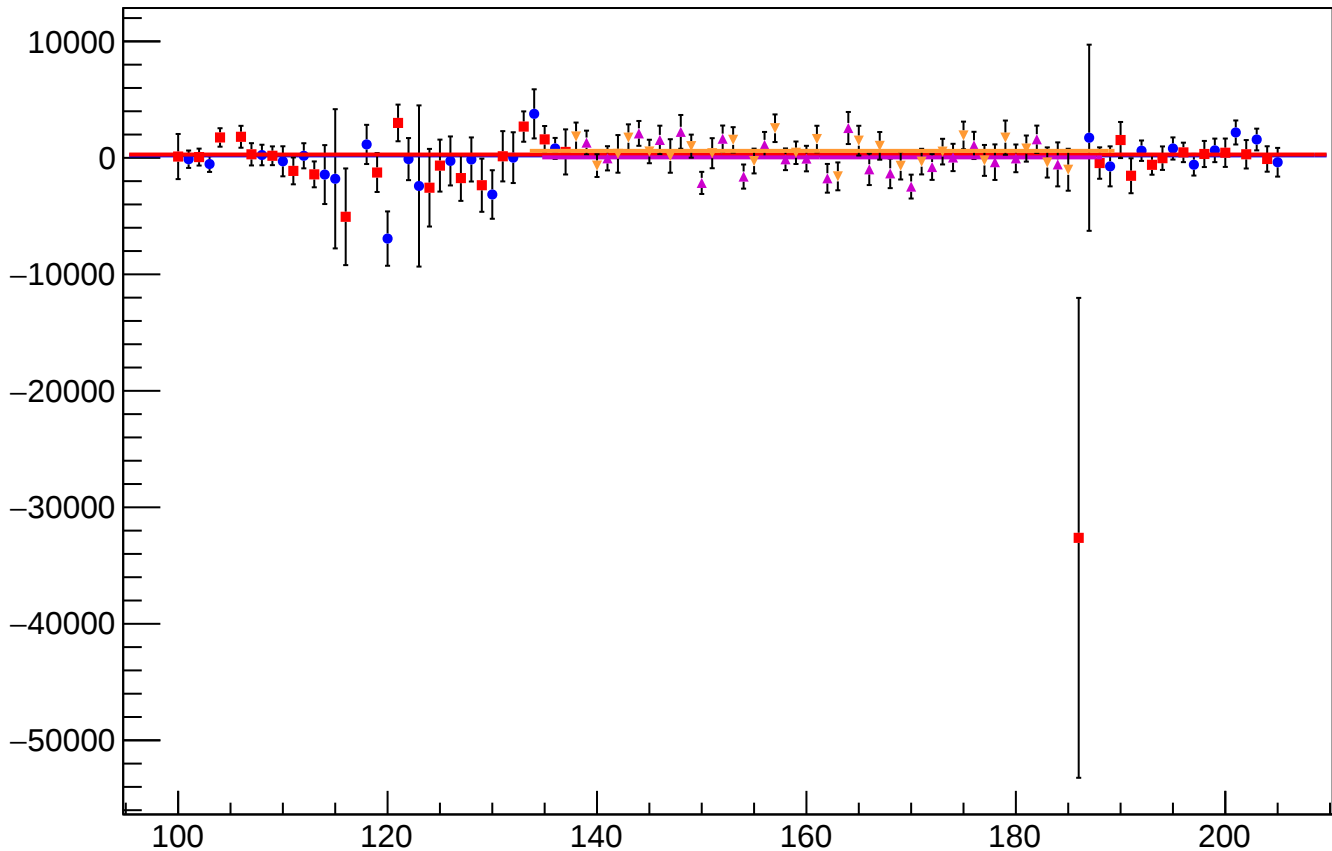
Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2242.478 $\pm$ 0.298 χ^2 /NDF: 5856436.9/50

All: 2243.956 $\pm$ 0.211 χ^2 /NDF: 12689631.7/1

- sign 2245.451 $\pm$ 0.300 χ^2 /NDF: 6833145.4/52

asym_sam5_mean vs Slug



Right In: 211.146 ± 236.997 χ^2/NDF : 25.8/25

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 285.140 ± 220.001 χ^2/NDF : 29.8/29

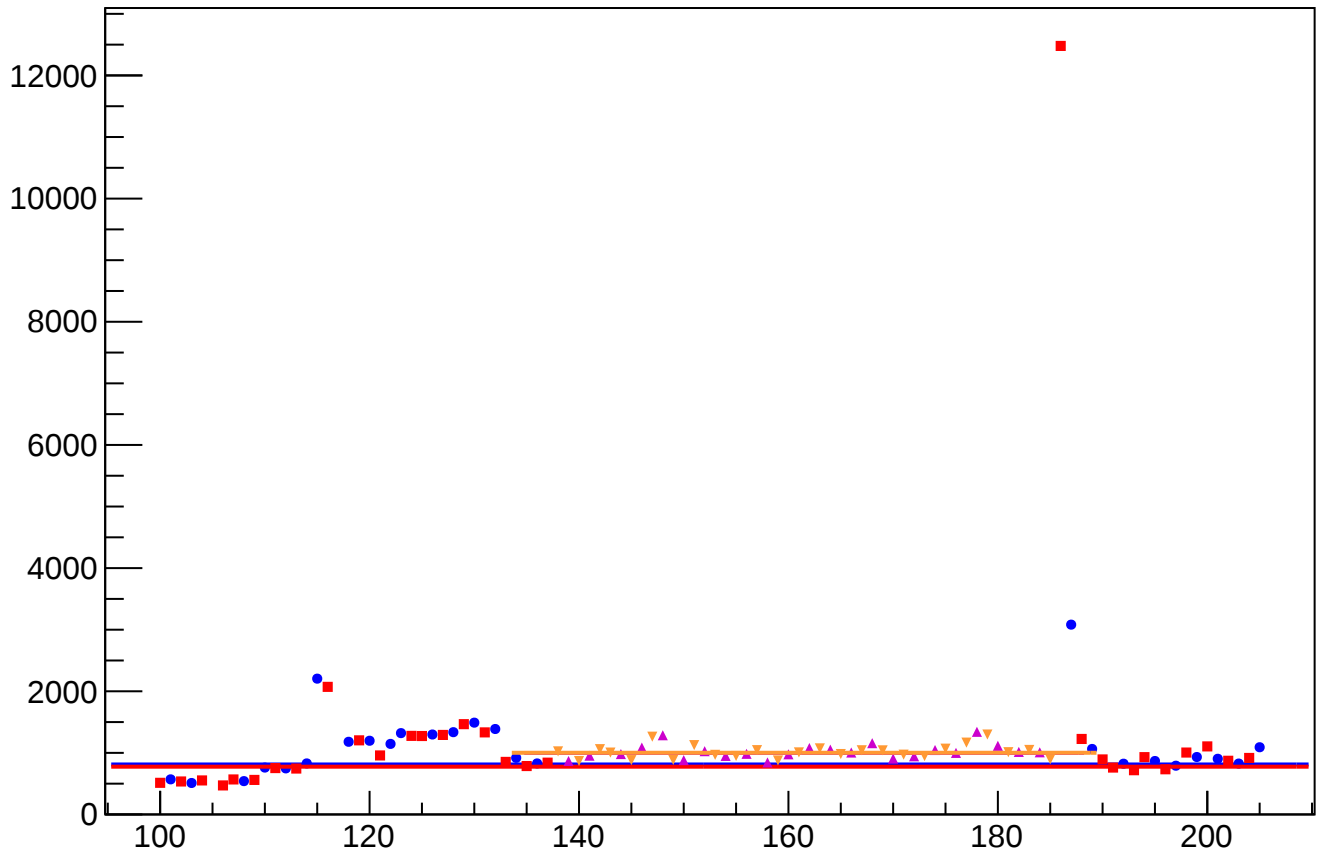
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 407.248 ± 166.860 χ^2/NDF : 45.6/50

All: 287.648 ± 116.387 χ^2/NDF : 113.4/103

- sign 174.326 ± 162.423 χ^2/NDF : 66.7/52

asym_sam5_rms vs Slug



Right In: 811.602 $\pm$ 0.168 χ^2 /NDF: 2117197.3/25

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 775.698 $\pm$ 0.156 χ^2 /NDF: 3042052.7/29

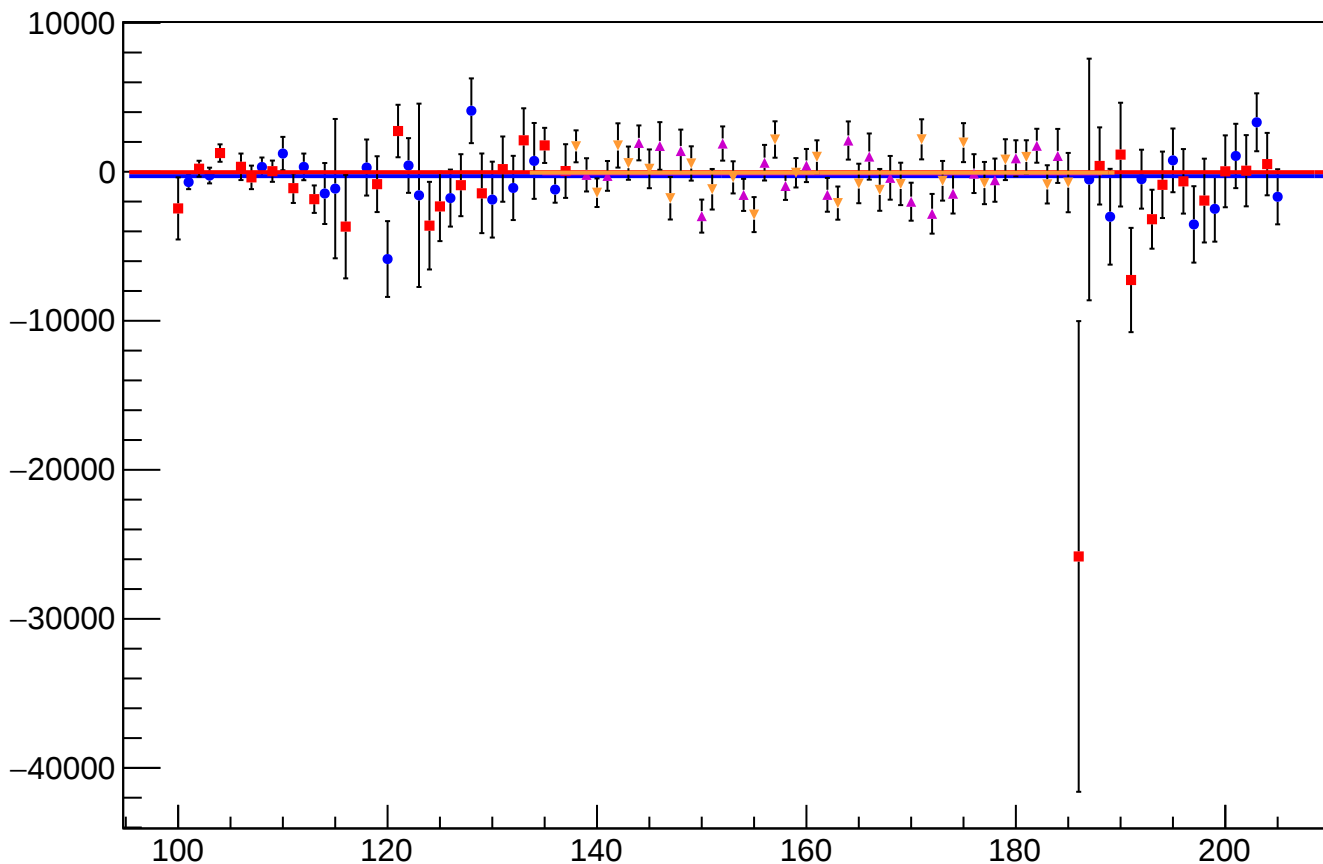
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 907.353 $\pm$ 0.118 χ^2 /NDF: 3134849.6/50

All: 891.693 $\pm$ 0.082 χ^2 /NDF: 7545301.6/103

- sign 876.855 $\pm$ 0.115 χ^2 /NDF: 4376142.8/52

asym_sam6_mean vs Slug



Right In: -295.106 ± 238.161 χ^2/NDF : 23.8/25

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -27.612 ± 234.497 χ^2/NDF : 32.1/29

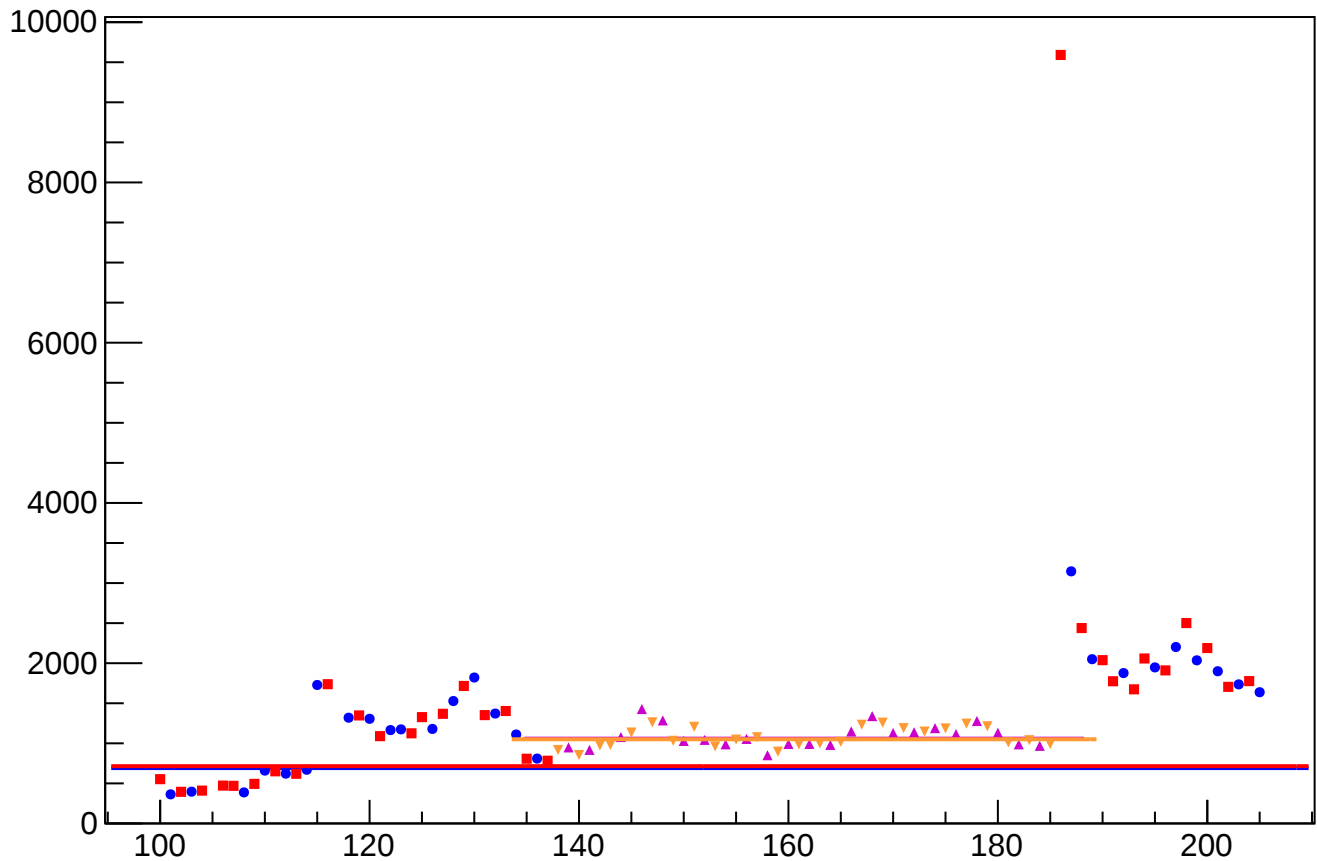
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -181.515 ± 171.279 χ^2/NDF : 55.2/50

All: -124.441 ± 121.624 χ^2/NDF : 122.5/103

- sign -66.392 ± 172.735 χ^2/NDF : 67.1/52

asym_sam6_rms vs Slug



Right In: 691.245+/-0.168 χ^2/NDF : 8869594.7/25

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 714.916+/-0.166 χ^2/NDF : 9585108.6/29

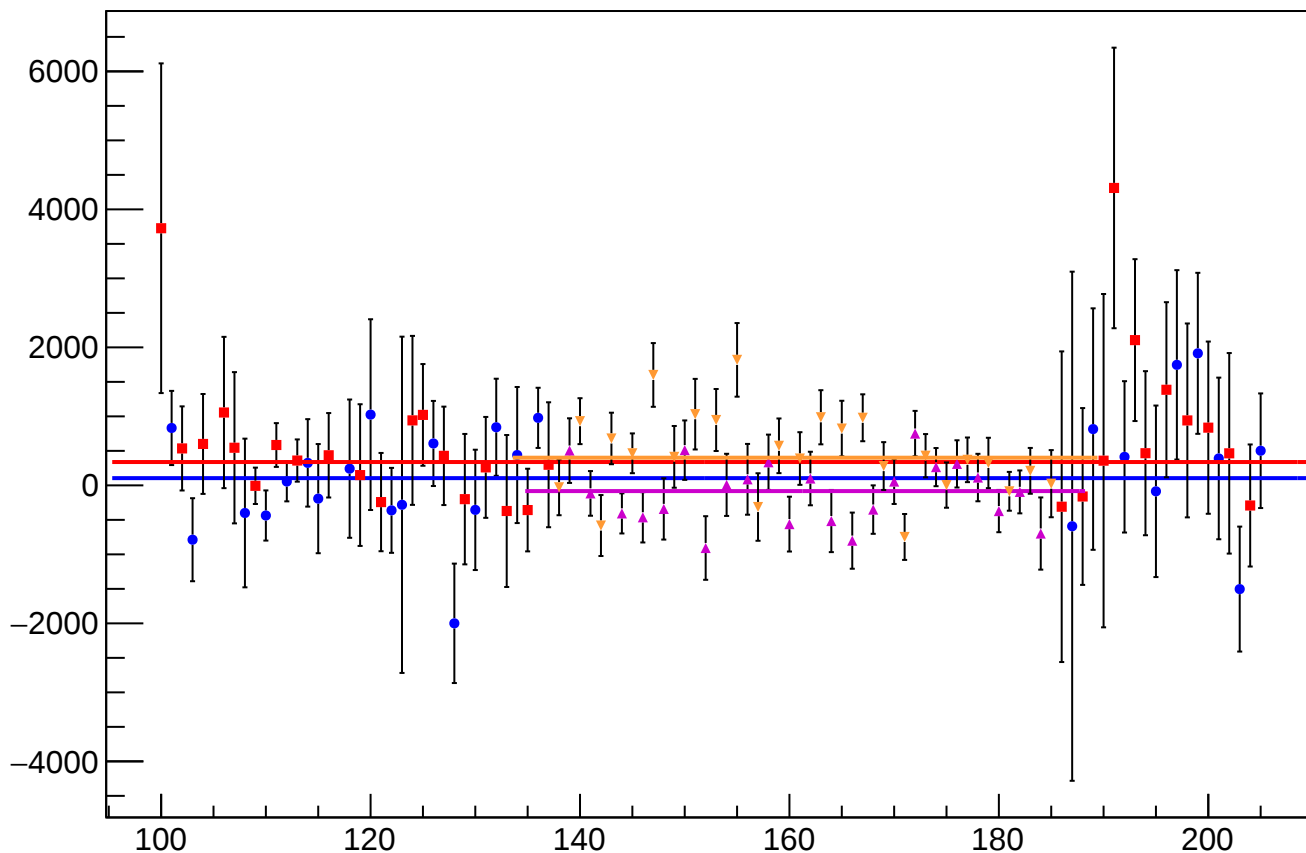
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 864.763+/-0.121 χ^2/NDF : 11551683.8/50

All: 868.293+/-0.086 χ^2/NDF : 23626329.8/10

- sign 871.884+/-0.122 χ^2/NDF : 12072932.1/52

asym_sam7_mean vs Slug



Right In: 104.857 ± 134.522 χ^2/NDF : 27.5/25

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 338.272 ± 123.545 χ^2/NDF : 16.8/29

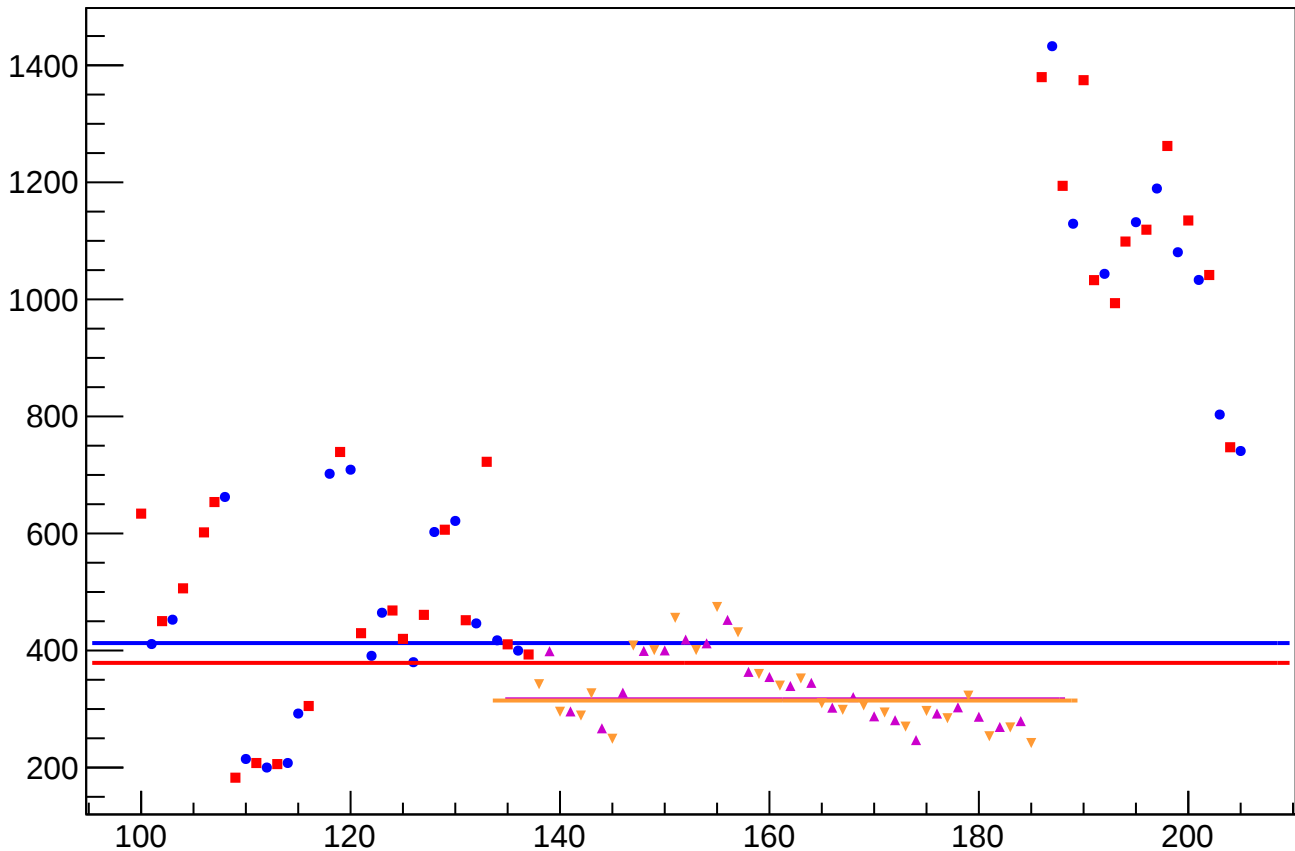
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 331.414 ± 65.204 χ^2/NDF : 83.3/50

All: 183.263 ± 46.136 χ^2/NDF : 147.8/103

- sign 34.727 ± 65.288 χ^2/NDF : 54.2/52

asym_sam7_rms vs Slug



Right In: 412.724+/-0.095 χ^2/NDF : 6902257.1/25

Left Out: 314.538+/-0.053 χ^2/NDF :1112445.6/24

+ sign 337.606+/-0.046 χ^2/NDF : 8829844.3/50

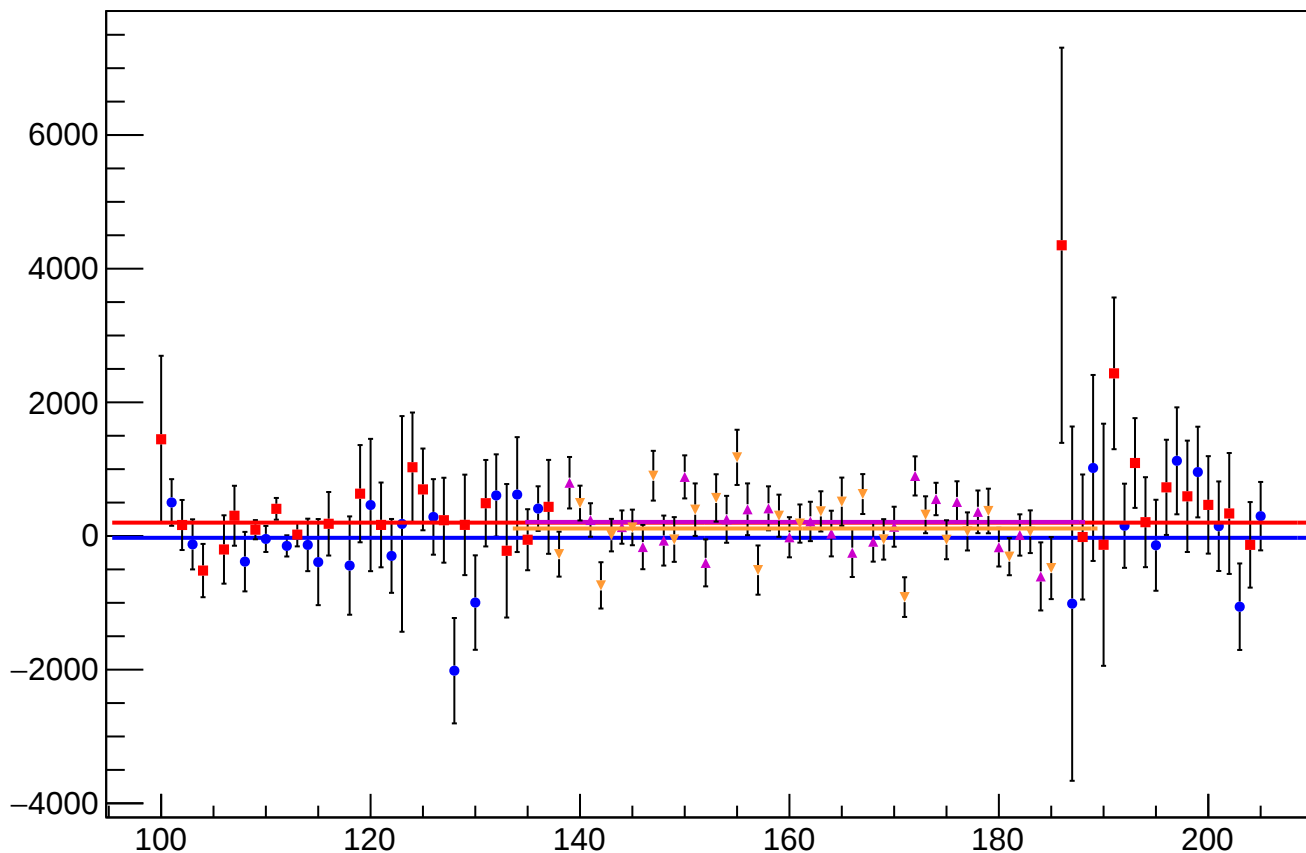
Right Out: 378.866+/-0.087 χ^2/NDF : 9316299.3/29

All: 335.817+/-0.033 χ^2/NDF : 19435635.1/10

- sign 334.023+/-0.046 χ^2/NDF : 10602774.4/52

Left In: 316.647+/-0.054 χ^2/NDF :920874.0/22

asym_sam8_mean vs Slug



Right In: -27.294 ± 84.795 χ^2/NDF : 24.7/25

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 199.844 ± 73.617 χ^2/NDF : 19.9/29

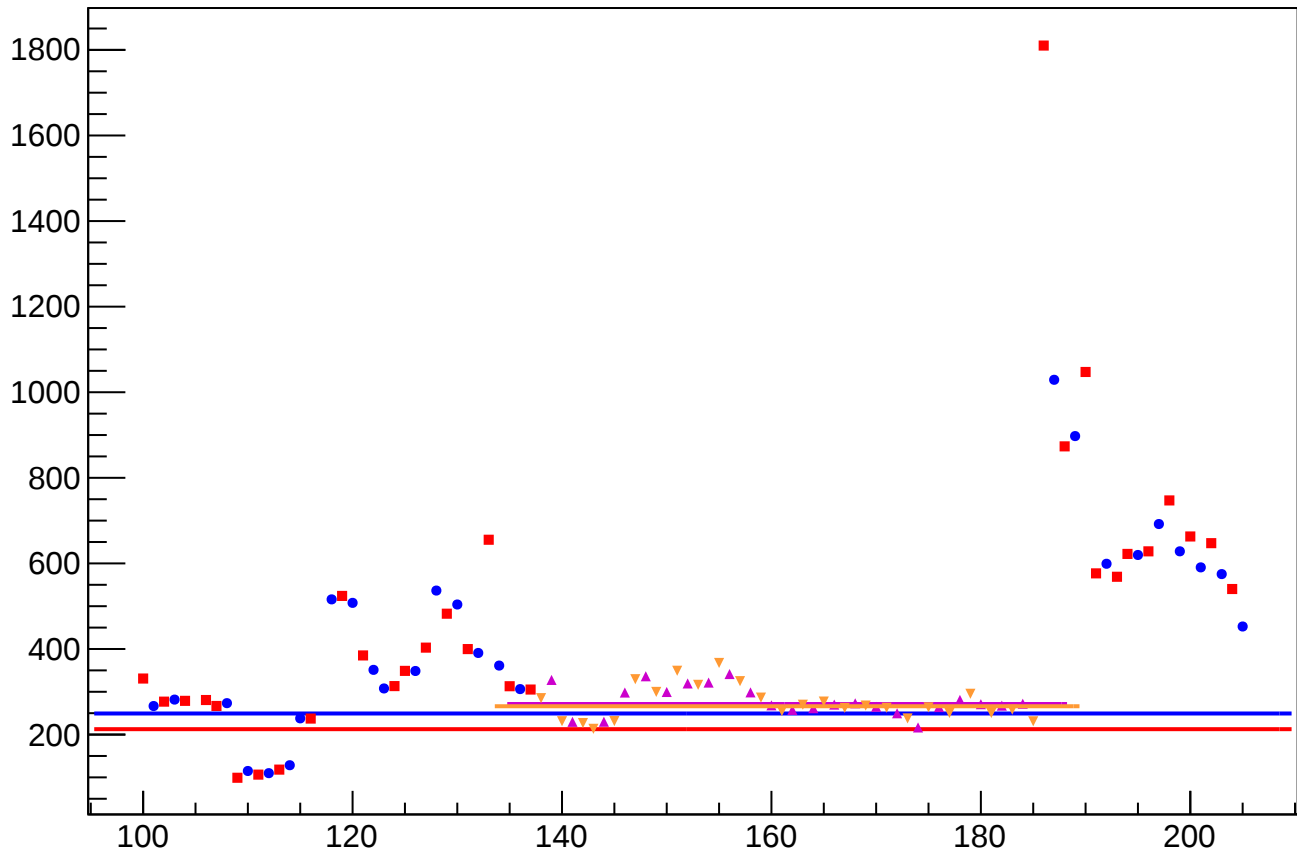
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 62.976 ± 50.385 χ^2/NDF : 75.6/50

All: 136.449 ± 35.105 χ^2/NDF : 128.7/103

- sign 205.765 ± 48.939 χ^2/NDF : 49.0/52

asym_sam8_rms vs Slug



Right In: 249.276 $\pm$ 0.060 χ^2 /NDF: 8359981.0/25

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 212.627 $\pm$ 0.052 χ^2 /NDF: 11419969.6/29

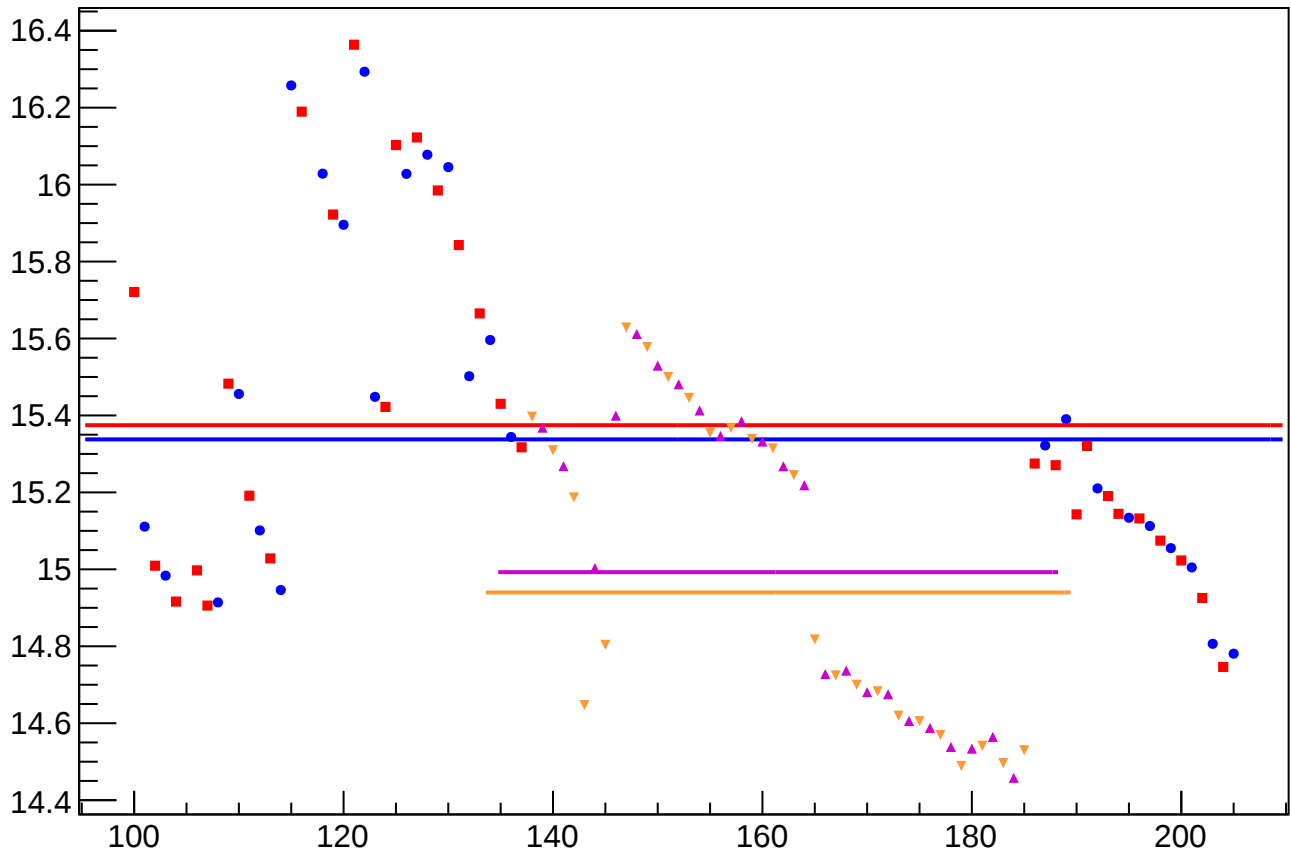
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 260.229 $\pm$ 0.036 χ^2 /NDF: 9061195.2/50

All: 252.617 $\pm$ 0.025 χ^2 /NDF: 21803526.4/10

- sign 245.435 $\pm$ 0.035 χ^2 /NDF: 12653606.1/52

yield_sam1_mean vs Slug



Right In: 15.338+/-0.000 χ^2/NDF : 12623923749.2/25

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.375+/-0.000 χ^2/NDF : 11736482117.4/29

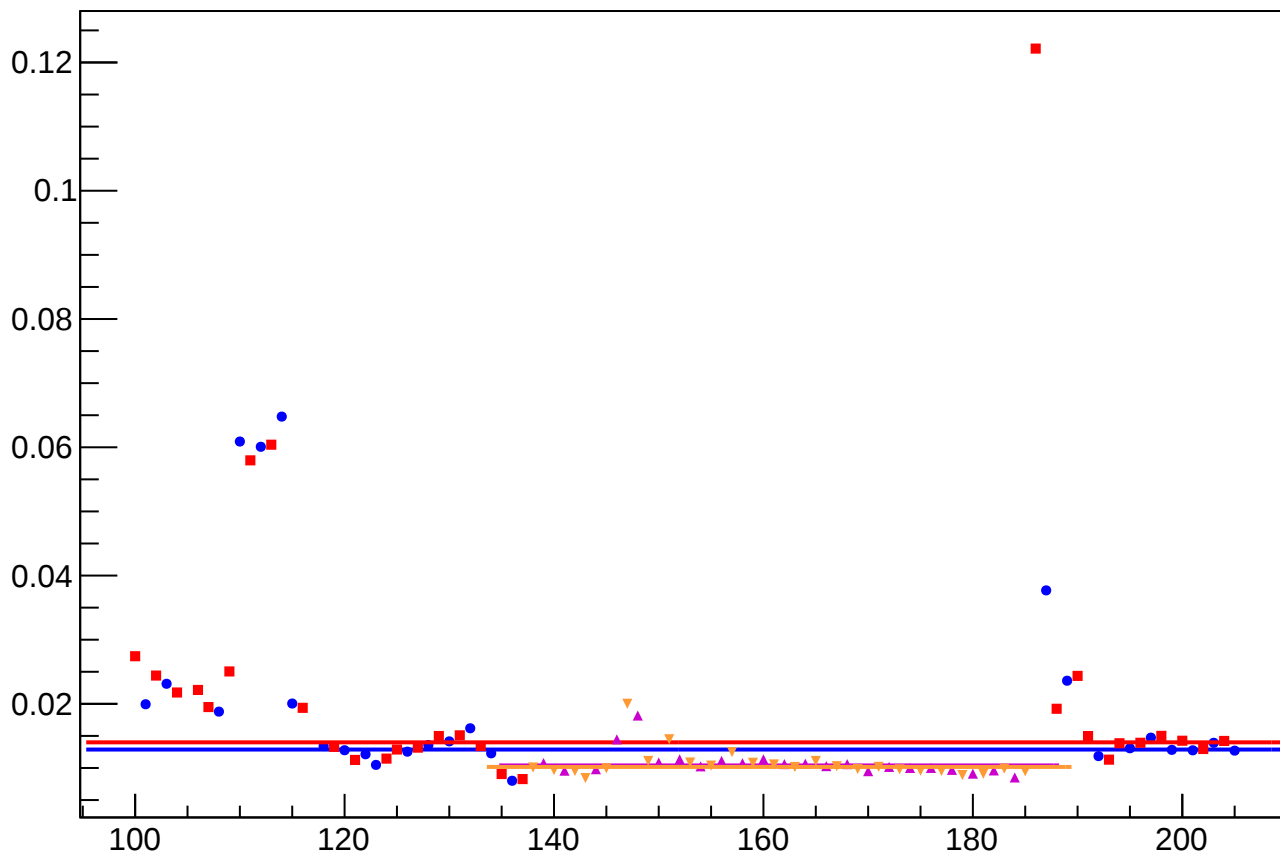
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.054+/-0.000 χ^2/NDF : 44391803391.5/50

All: 15.076+/-0.000 χ^2/NDF : 84737551555.5

- sign 15.102+/-0.000 χ^2/NDF : 40089000921.0/52

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2493490.1/25

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2987929.1/29

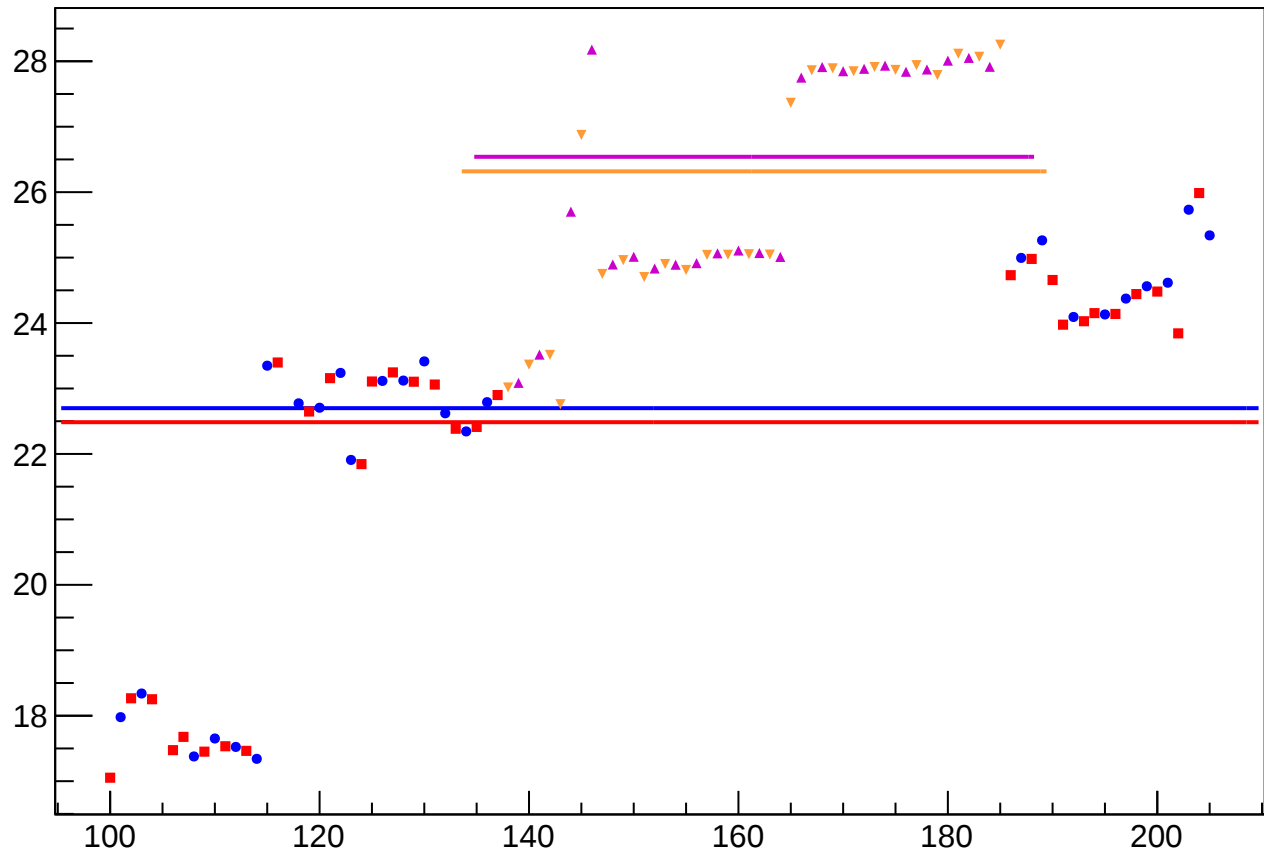
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3913765.1/50

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8623669.1/103

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4657259.3/52

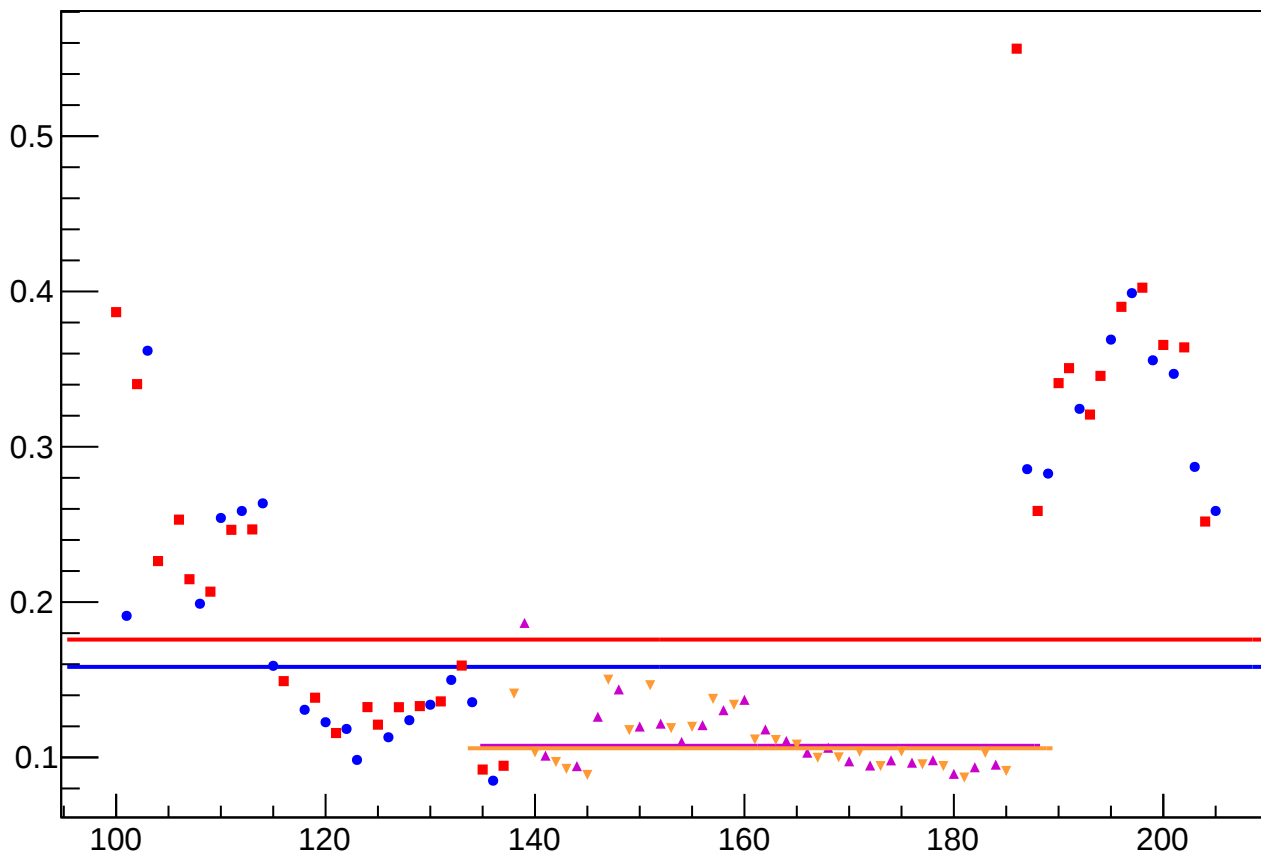
yield_sam2_mean vs Slug



Right In: 22.699 $\pm$ 0.000 χ^2/NDF : 1281506029.5/25
 Left Out: 26.318 $\pm$ 0.000 χ^2/NDF : 4715403741.0/24
 Right Out: 22.485 $\pm$ 0.000 χ^2/NDF : 1460806967.4/29
 Left In: 26.540 $\pm$ 0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.565 $\pm$ 0.000 χ^2/NDF : 9837915043.2/50
 All: 25.630 $\pm$ 0.000 χ^2/NDF : 19035813951.1
 - sign 25.700 $\pm$ 0.000 χ^2/NDF : 9182245100.7/52

yield_sam2_rms vs Slug



Right In: 0.158+/-0.000 χ^2/NDF : 5348582.8/25

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.176+/-0.000 χ^2/NDF : 5406110.9/29

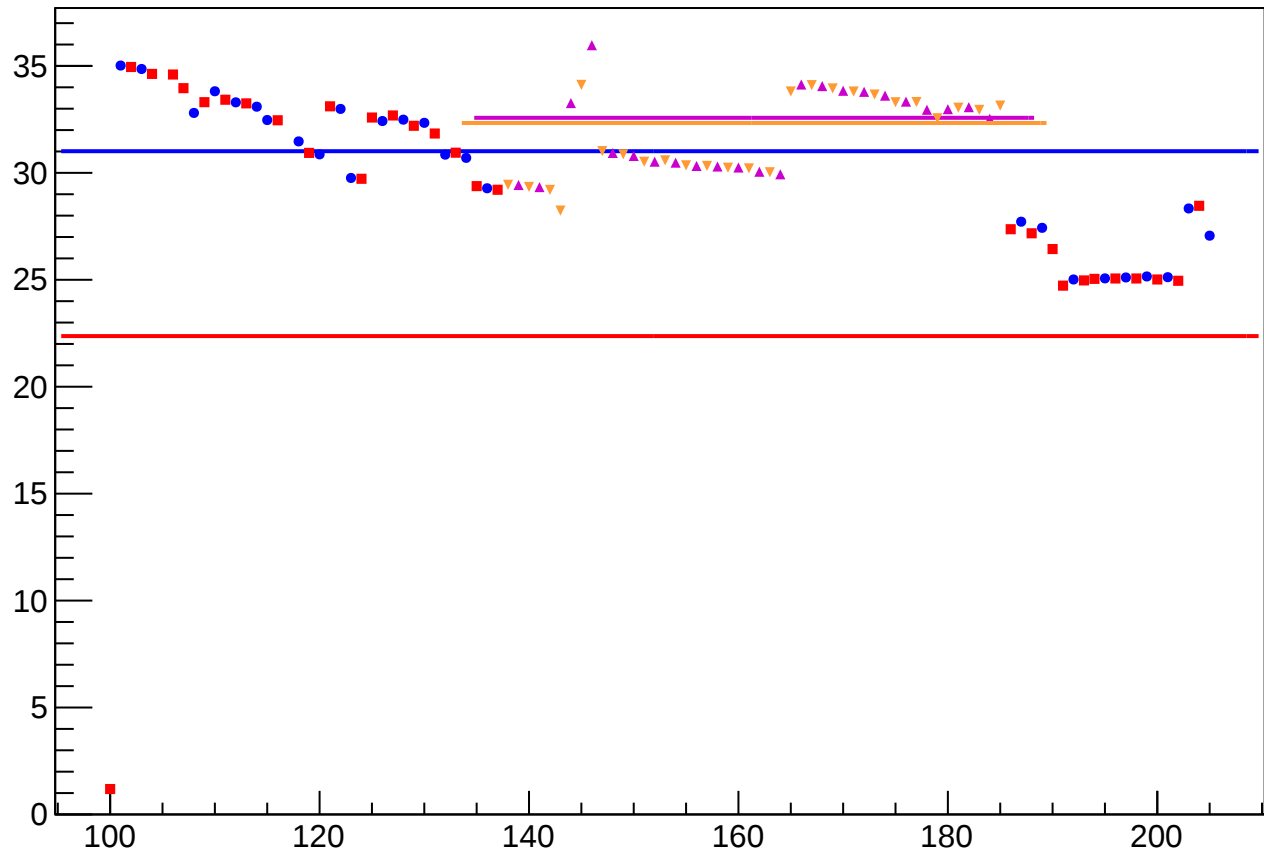
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.117+/-0.000 χ^2/NDF : 7692878.5/50

All: 0.119+/-0.000 χ^2/NDF : 16420580.1/103

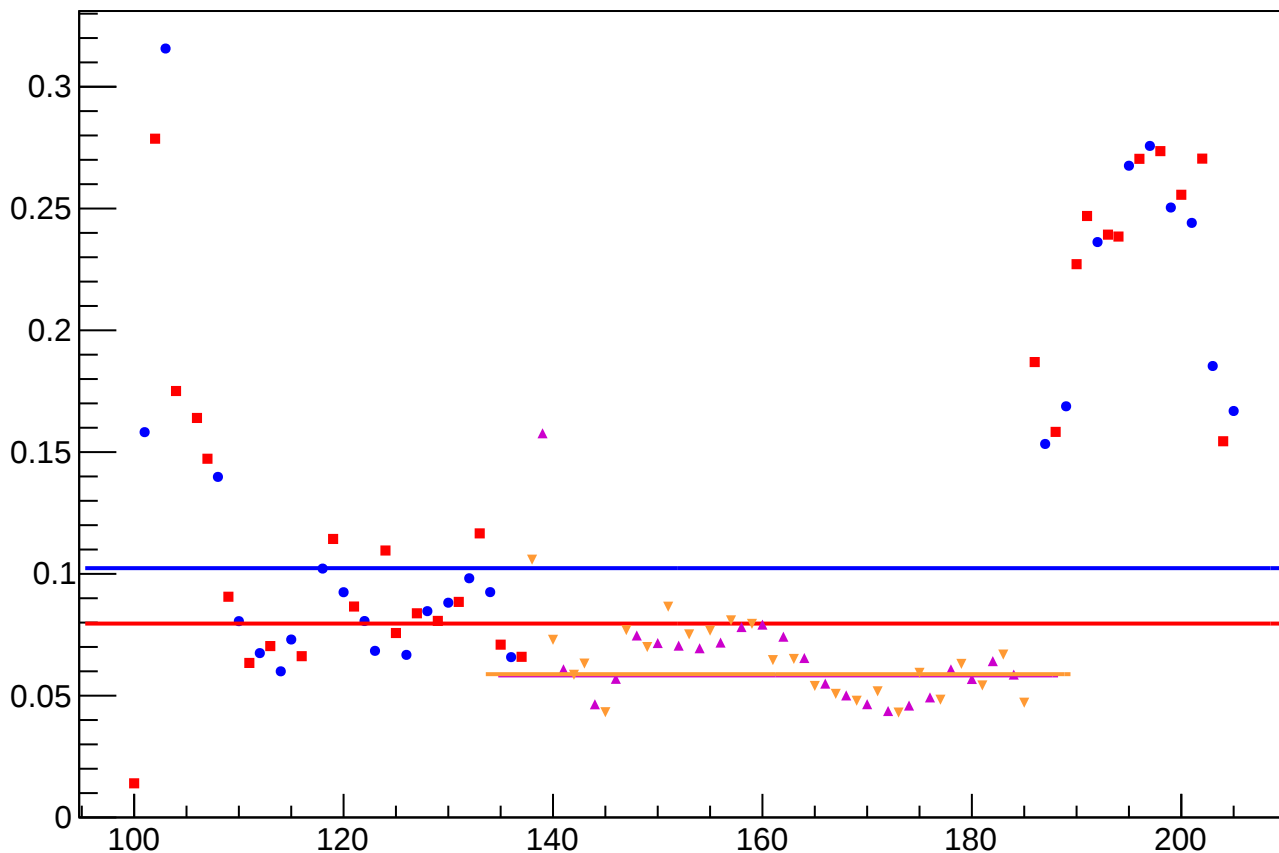
- sign 0.122+/-0.000 χ^2/NDF : 8687613.9/52

yield_sam3_mean vs Slug



Right In: 31.012 $\pm$ 0.000	χ^2 /NDF: 5462033424.1/25	+ sign 32.105 $\pm$ 0.000	χ^2 /NDF: 19537158155.4/50
Left Out: 32.331 $\pm$ 0.000	χ^2 /NDF: 12850475096.2/24	All: 31.117 $\pm$ 0.000	χ^2 /NDF: 369206349675.
Right Out: 22.367 $\pm$ 0.000	χ^2 /NDF: 232003625199.4/29	- sign 30.165 $\pm$ 0.000	χ^2 /NDF: 340192779569.6/52
Left In: 32.574 $\pm$ 0.000	χ^2 /NDF: 11797772603.7/22		

yield_sam3_rms vs Slug



Right In: 0.102 $\pm$ 0.000 χ^2 /NDF: 5300541.6/25

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 1402605.2/24

Right Out: 0.080 $\pm$ 0.000 χ^2 /NDF: 10011220.1/29

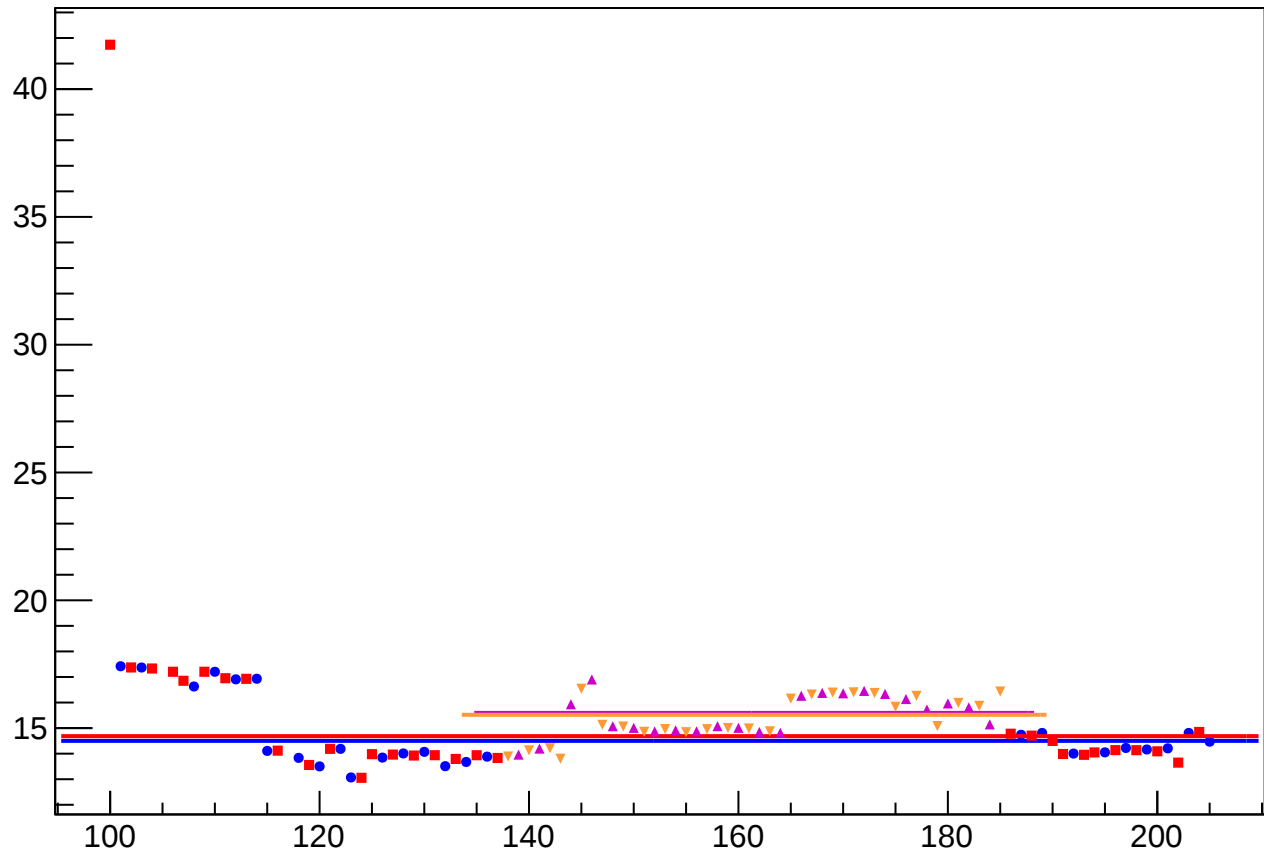
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 1525476.4/22

+ sign 0.066 $\pm$ 0.000 χ^2 /NDF: 9370911.5/50

All: 0.065 $\pm$ 0.000 χ^2 /NDF: 21790423.1/103

- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 12375035.0/52

yield_sam4_mean vs Slug



Right In: 14.501 $\pm$ 0.000 χ^2 /NDF: 1502317456.4/25

Left Out: 15.521 $\pm$ 0.000 χ^2 /NDF: 2591377740.5/24

Right Out: 14.686 $\pm$ 0.000 χ^2 /NDF: 1954088979.2/29

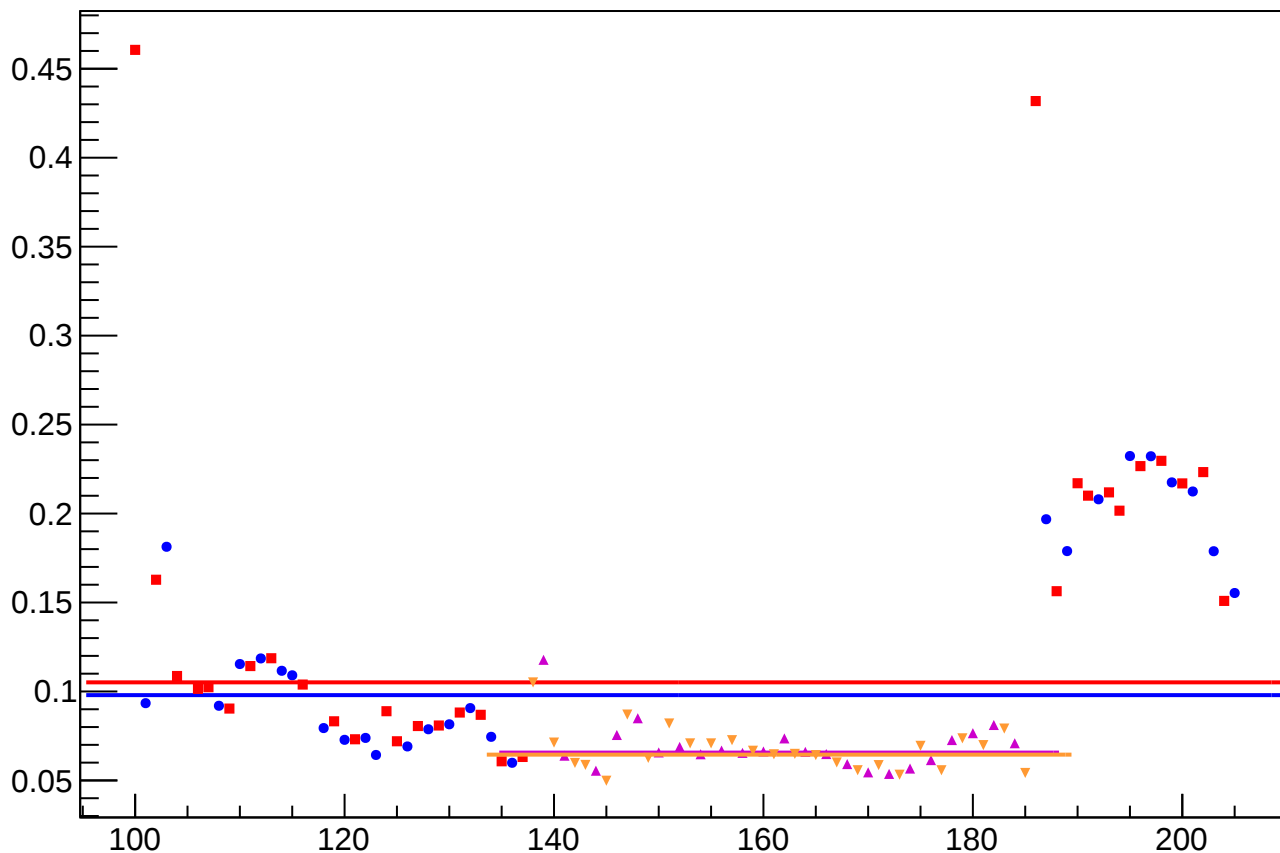
Left In: 15.595 $\pm$ 0.000 χ^2 /NDF: 1908733580.5/22

+ sign 15.304 $\pm$ 0.000 χ^2 /NDF: 4925186401.6/50

All: 15.347 $\pm$ 0.000 χ^2 /NDF: 9435031914.2/1

- sign 15.394 $\pm$ 0.000 χ^2 /NDF: 4490993193.7/52

yield_sam4_rms vs Slug



Right In: 0.098 $\pm$ 0.000 χ^2 /NDF: 4557713.4/25

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.105 $\pm$ 0.000 χ^2 /NDF: 4738529.0/29

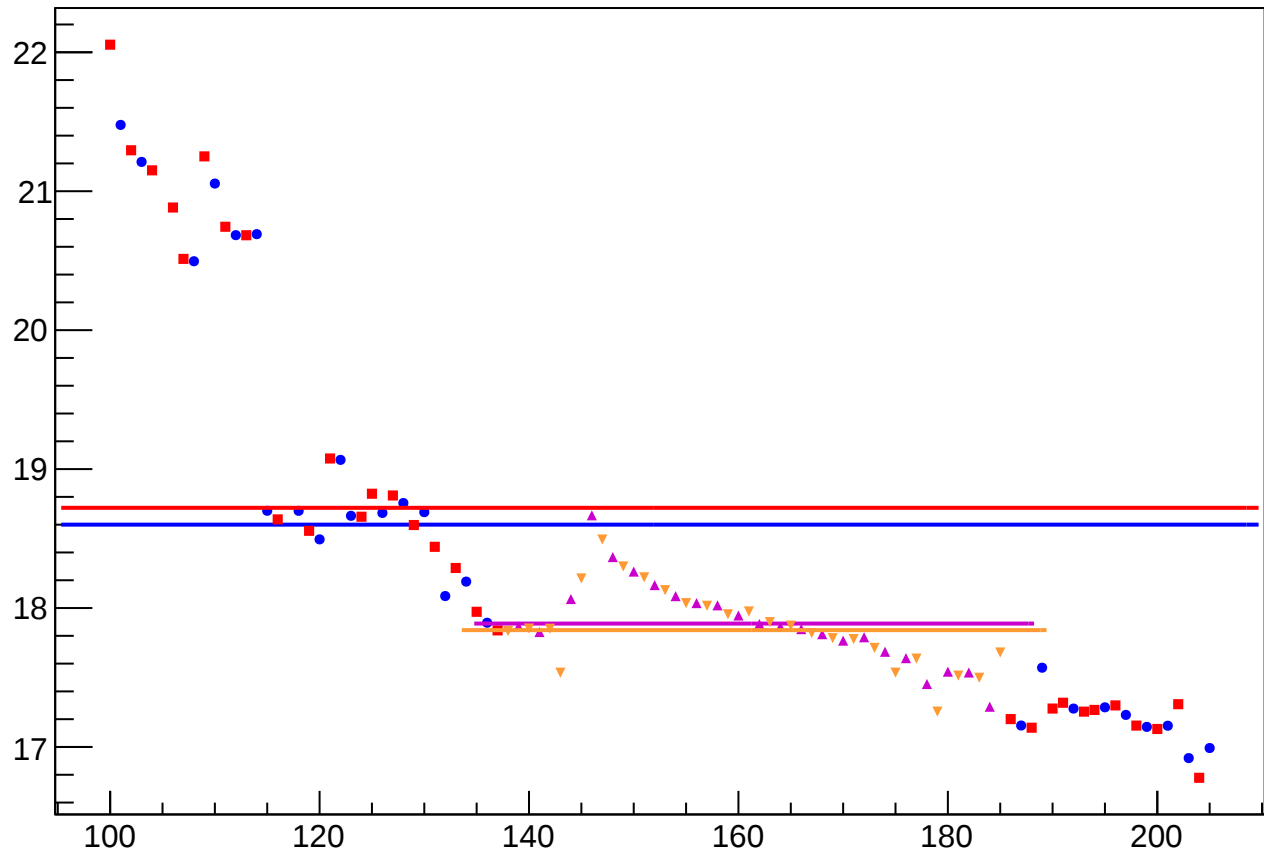
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.072 $\pm$ 0.000 χ^2 /NDF: 7105634.5/50

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 14958765.3/103

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 7818639.3/52

yield_sam5_mean vs Slug



Right In: 18.600+/-0.000 χ^2/NDF : 28999208473.6/25

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.721+/-0.000 χ^2/NDF : 30996643107.8/29

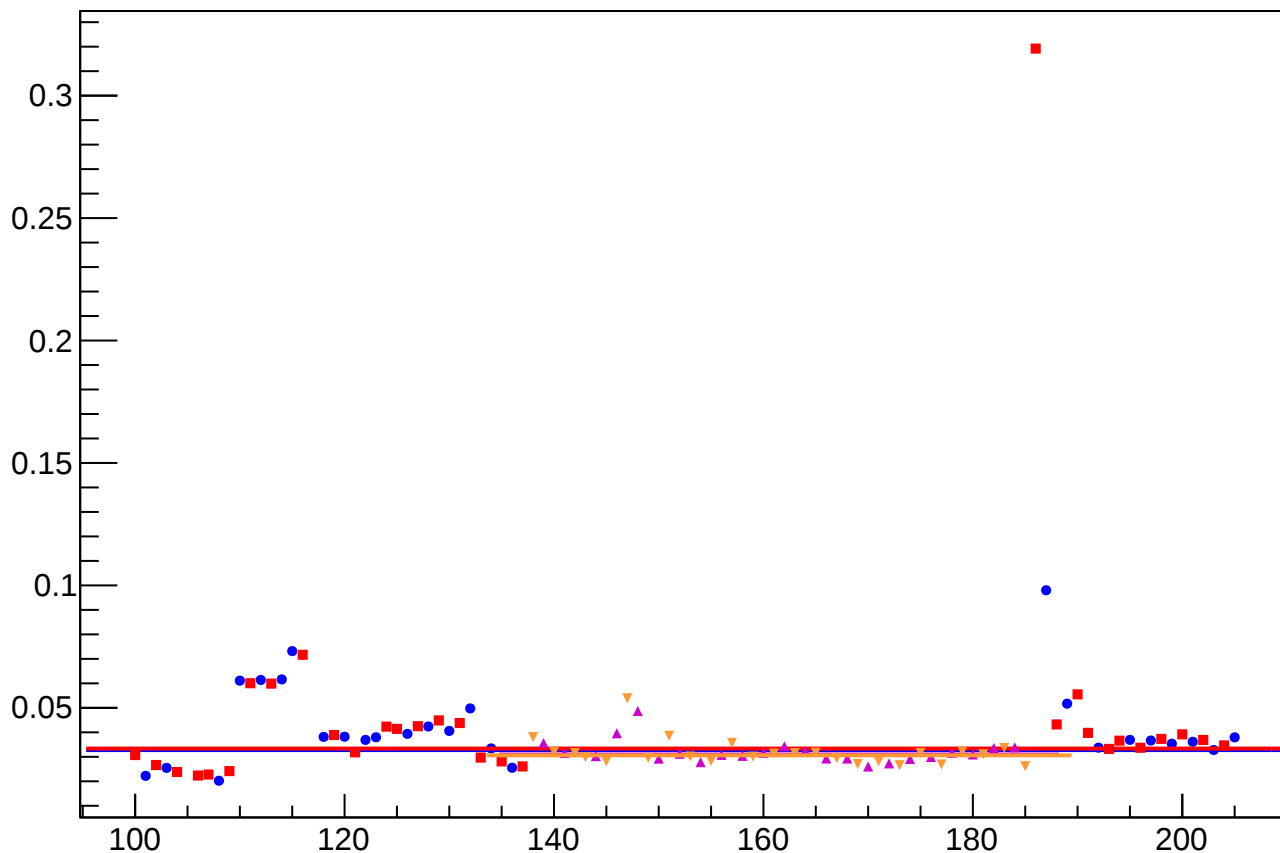
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.117+/-0.000 χ^2/NDF : 34189984593.4/50

All: 18.163+/-0.000 χ^2/NDF : 71185056983.3

- sign 18.211+/-0.000 χ^2/NDF : 36868187366.0/52

yield_sam5_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 1720809.8/25

Left Out: 0.031+/-0.000 χ^2/NDF : 590475.6/24

Right Out: 0.033+/-0.000 χ^2/NDF : 2133277.1/29

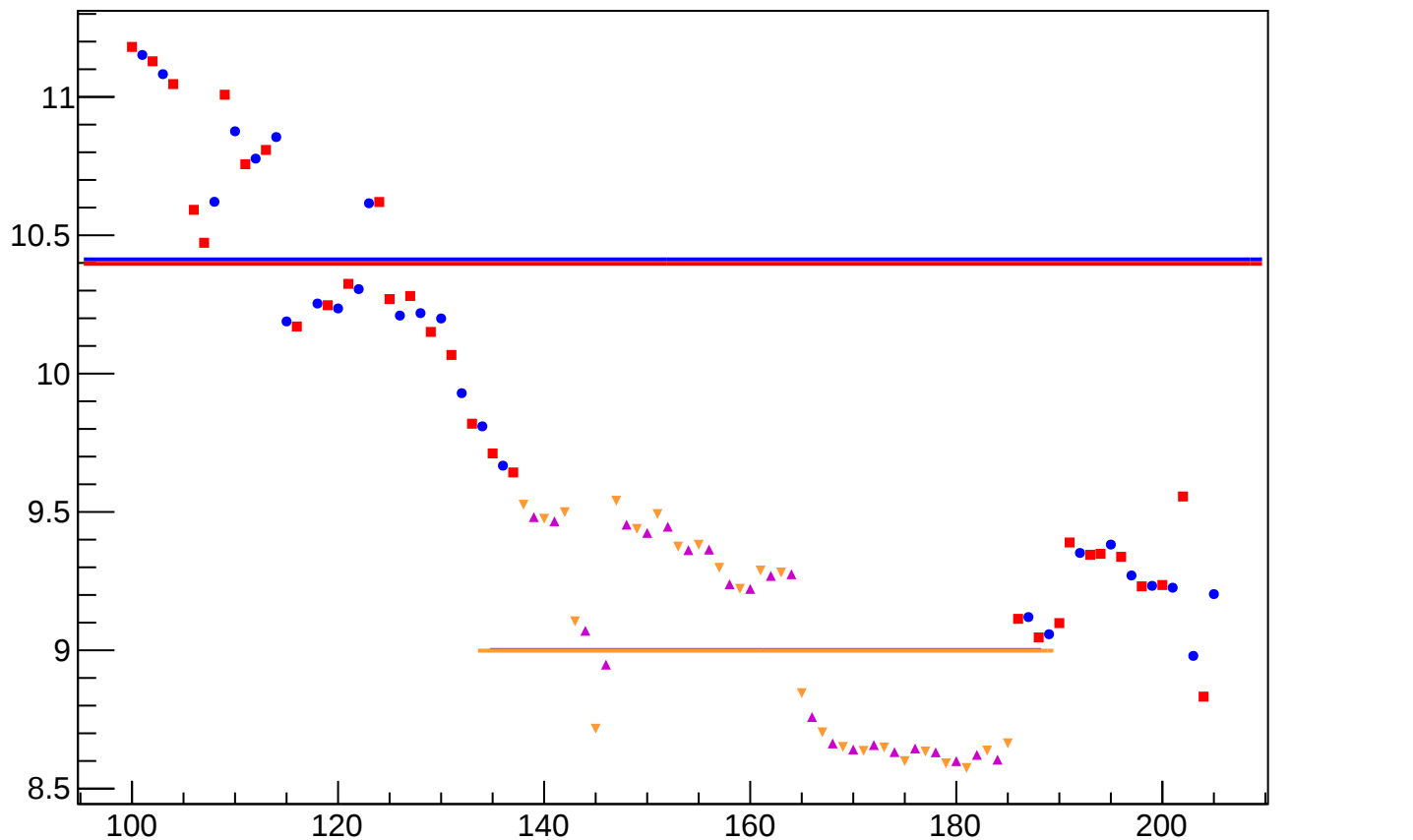
Left In: 0.031+/-0.000 χ^2/NDF : 453524.6/22

+ sign 0.031+/-0.000 χ^2/NDF : 2373858.1/50

All: 0.032+/-0.000 χ^2/NDF : 5049763.7/103

- sign 0.032+/-0.000 χ^2/NDF : 2669464.3/52

yield_sam6_mean vs Slug



Right In: 10.413 $\pm$ 0.000 χ^2 /NDF: 13554882853.1/25

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

+ sign 9.547 $\pm$ 0.000 χ^2 /NDF: 56346885851.0/50

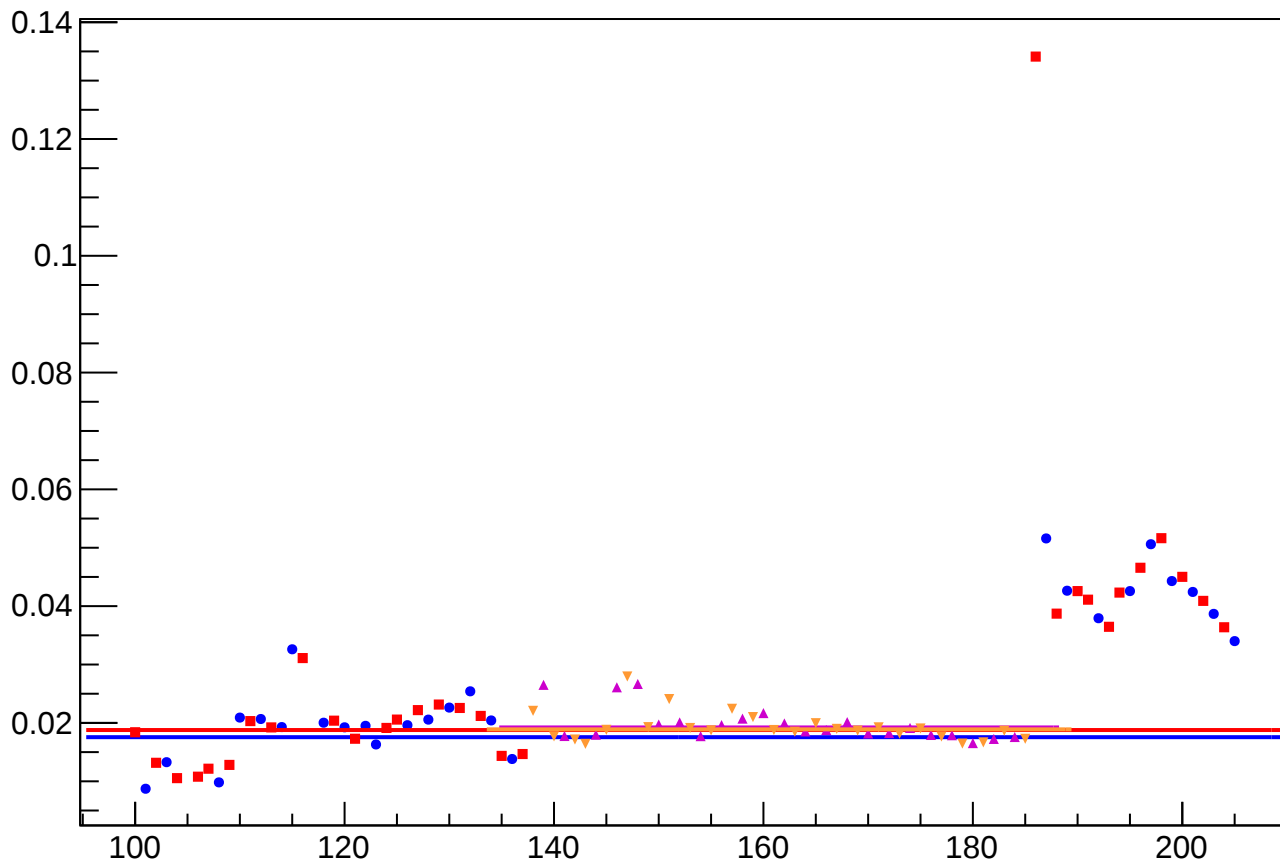
Right Out: 10.397 $\pm$ 0.000 χ^2 /NDF: 12178726060.7/29

All: 9.556 $\pm$ 0.000 χ^2 /NDF: 107569952313.5

Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

- sign 9.566 $\pm$ 0.000 χ^2 /NDF: 51209695323.3/52

yield_sam6_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 6045472.7/25

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:428169.5/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 6194271.6/29

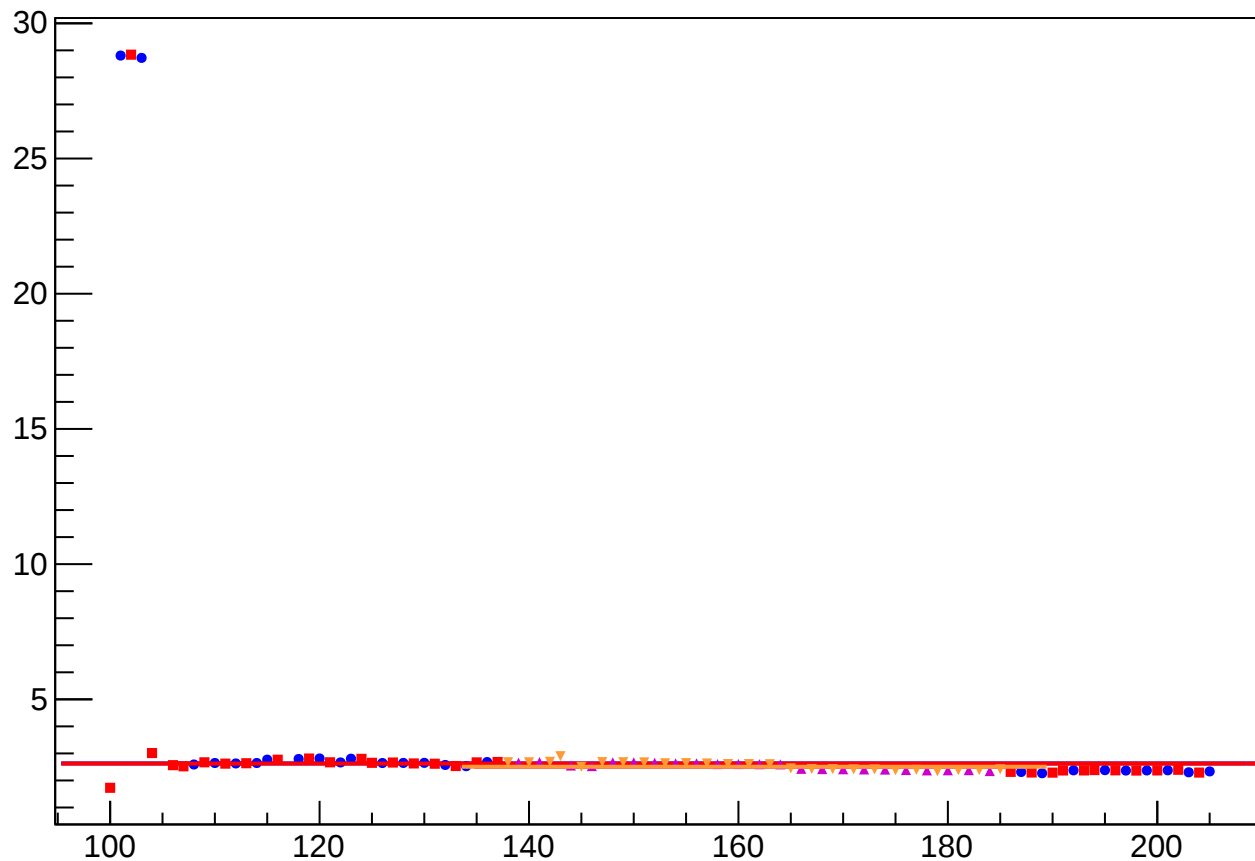
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:481824.0/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 6538971.7/50

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 13254909.8/103

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 6682915.5/52

yield_sam7_mean vs Slug



Right In: 2.631+/-0.000 χ^2/NDF : 177709374510.9/25

Left Out: 2.507+/-0.000 χ^2/NDF : 64277969186.7/24

Right Out: 2.625+/-0.000 χ^2/NDF : 87264375749.6/29

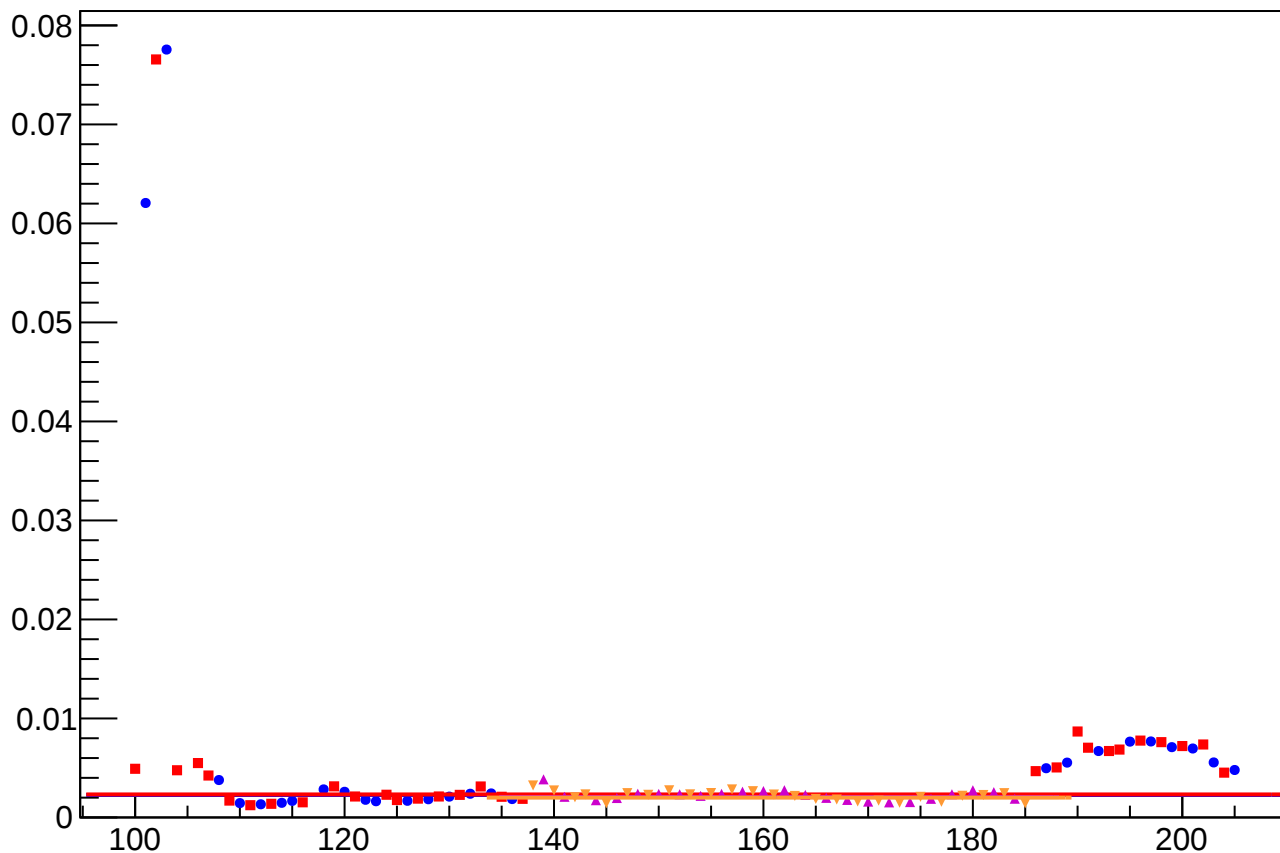
Left In: 2.505+/-0.000 χ^2/NDF : 42893630742.5/22

+ sign 2.543+/-0.000 χ^2/NDF : 258348245797.9/50

All: 2.543+/-0.000 χ^2/NDF : 403766218551.3

- sign 2.544+/-0.000 χ^2/NDF : 145413773097.6/52

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 8311694.0/25

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8623453.7/29

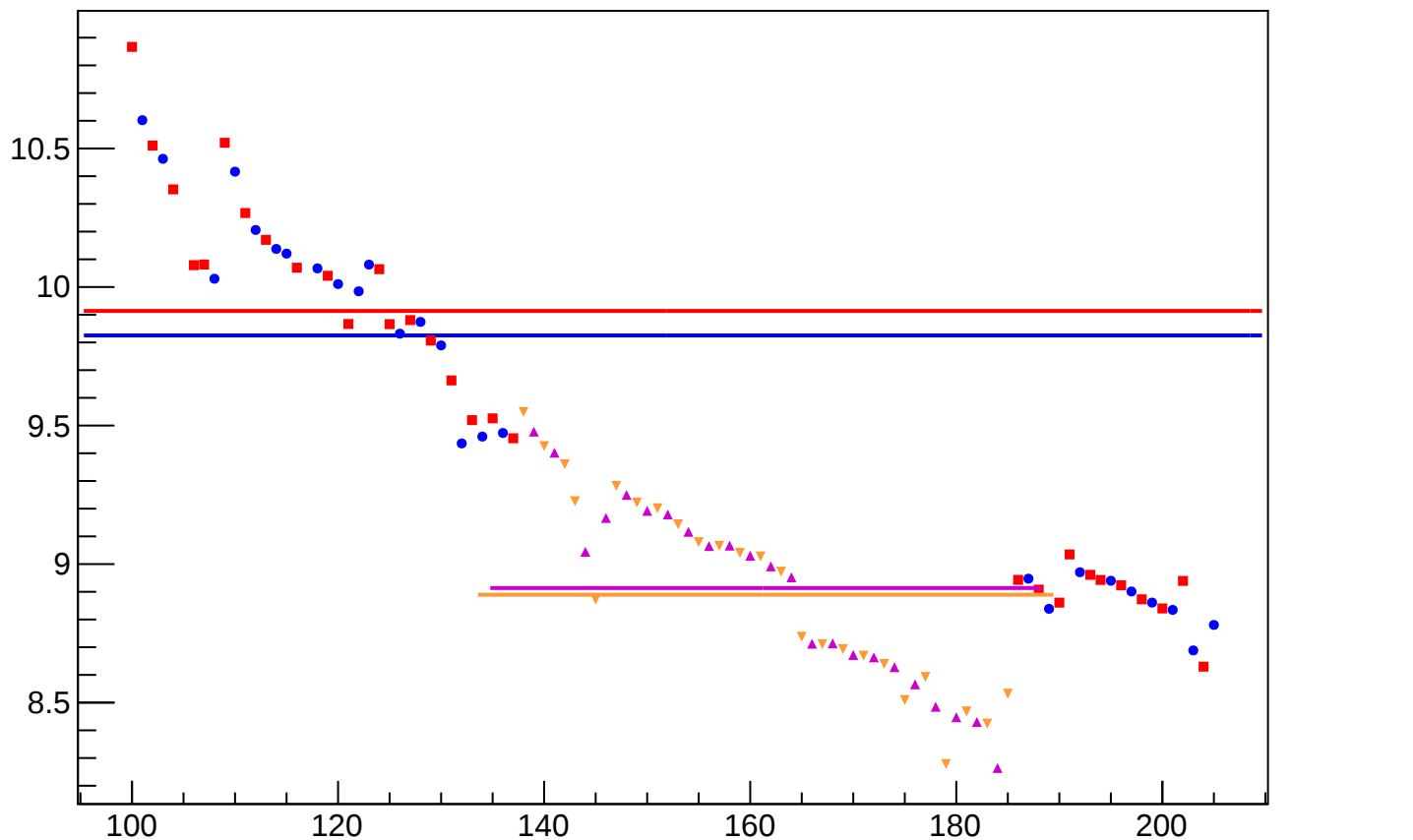
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9926968.5/50

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 20022360.2/103

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10076198.4/52

yield_sam8_mean vs Slug



Right In: 9.825 $\pm$ 0.000 χ^2 /NDF: 52957227936.3/25

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.914 $\pm$ 0.000 χ^2 /NDF: 53749006760.5/29

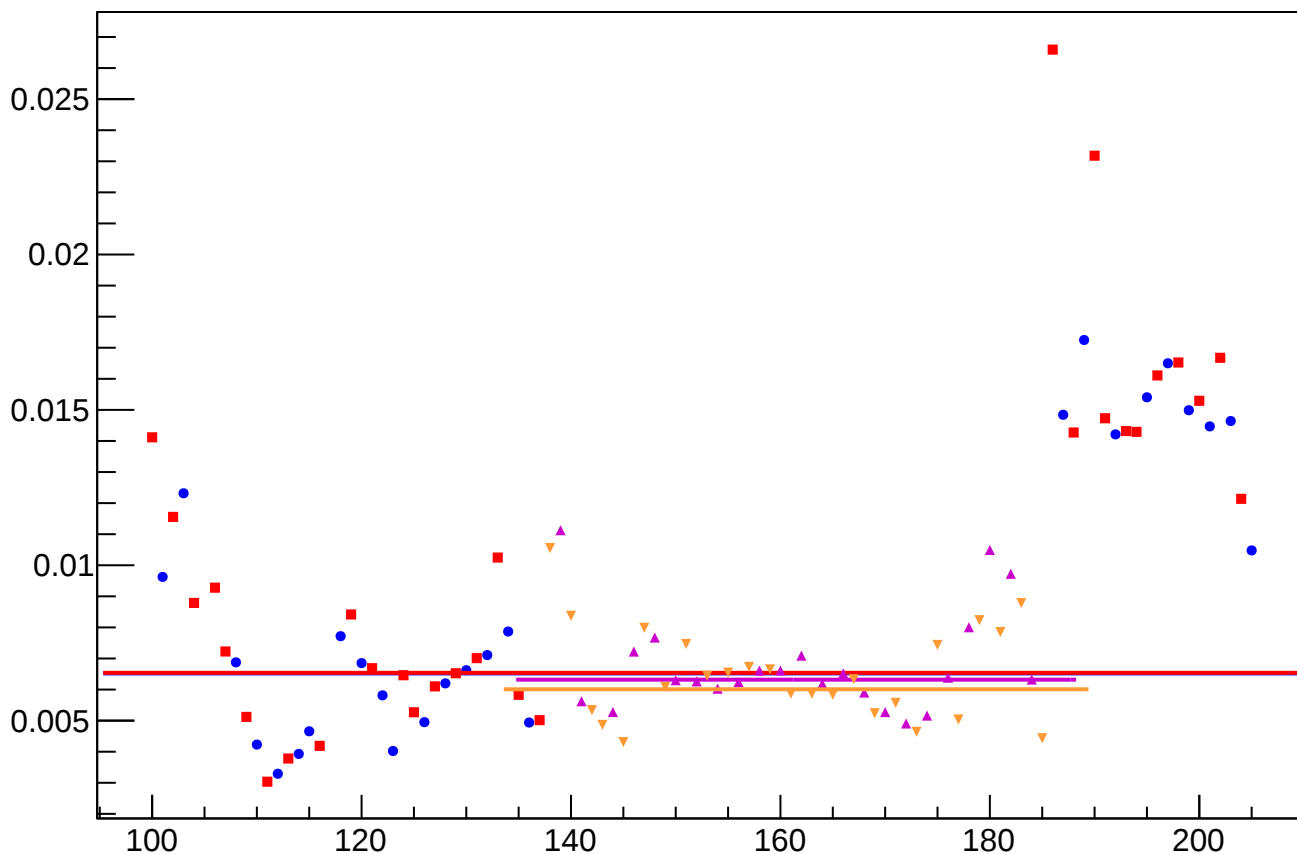
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.212 $\pm$ 0.000 χ^2 /NDF: 209093664652.5/50

All: 9.255 $\pm$ 0.000 χ^2 /NDF: 429138131081.2

- sign 9.302 $\pm$ 0.000 χ^2 /NDF: 217605768397.6/52

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5500187.5/25

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6982878.2/29

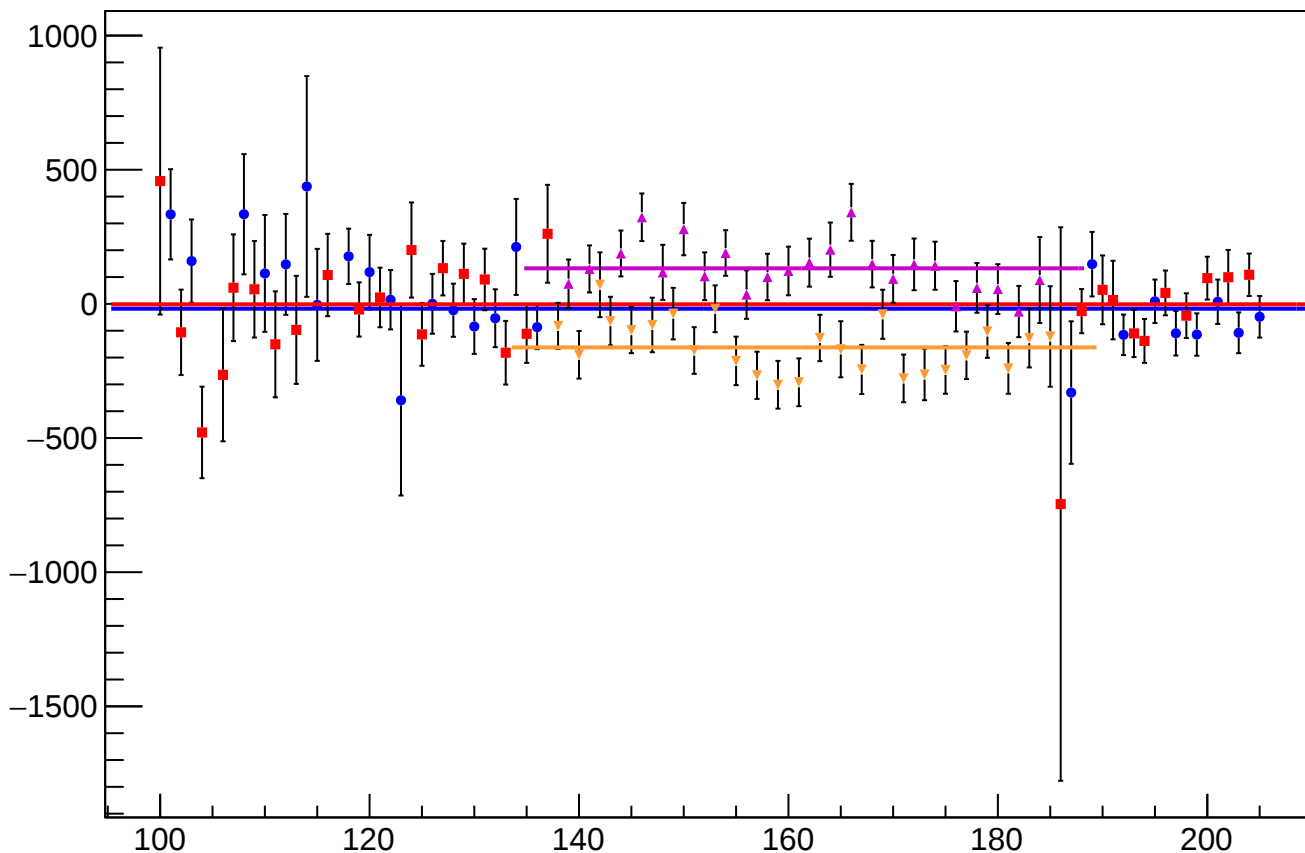
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6885059.6/50

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 14996387.7/103

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 8083062.3/52

reg_asym_sam1_mean vs Slug



Right In: -18.008 ± 21.521 χ^2/NDF : 28.4/25

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -1.585 ± 21.322 χ^2/NDF : 32.9/29

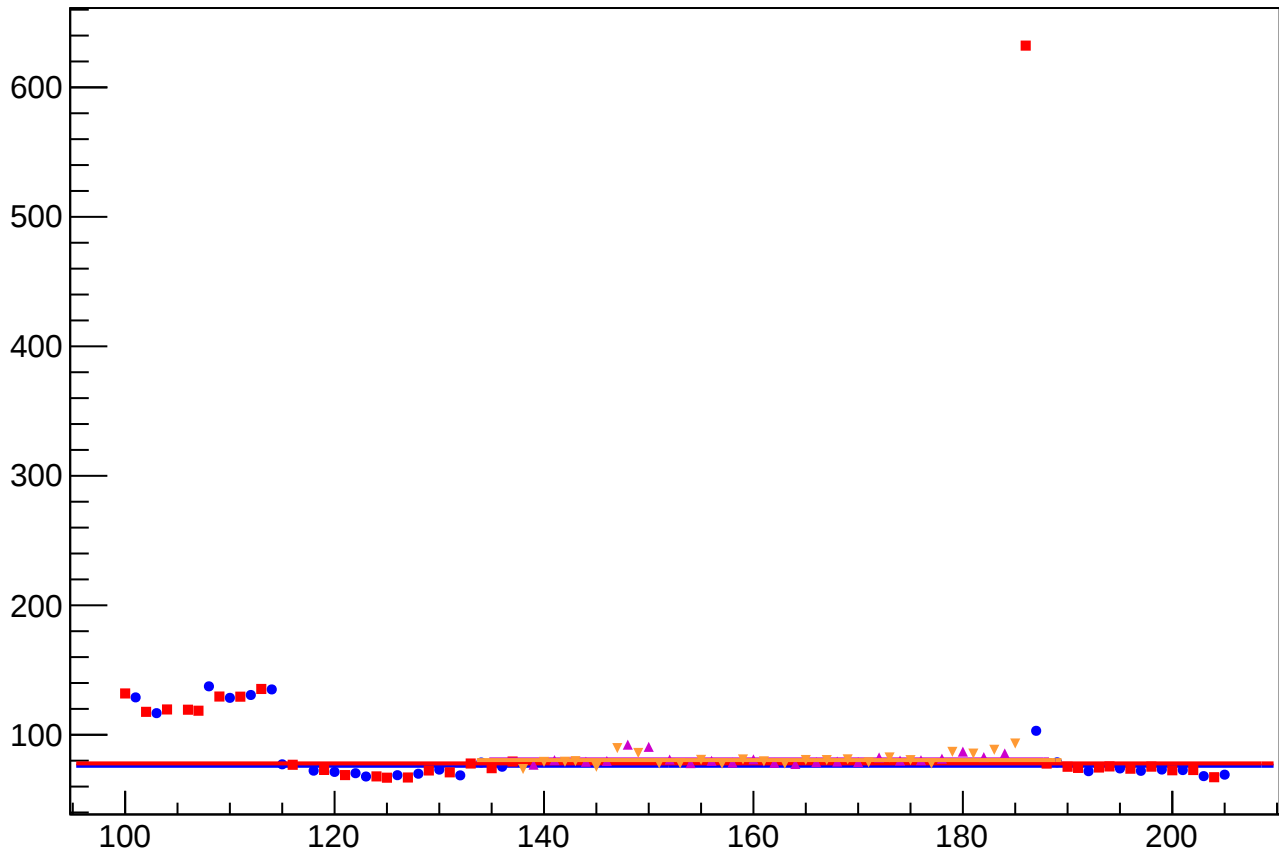
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -99.977 ± 14.135 χ^2/NDF : 79.6/50

All: -15.394 ± 10.070 χ^2/NDF : 227.7/103

- sign 71.791 ± 14.351 χ^2/NDF : 75.3/52

reg_asym_sam1_rms vs Slug



Right In: 76.060 $\pm$ 0.015 χ^2 /NDF: 927466.9/25

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 77.911 $\pm$ 0.015 χ^2 /NDF: 1592589.2/29

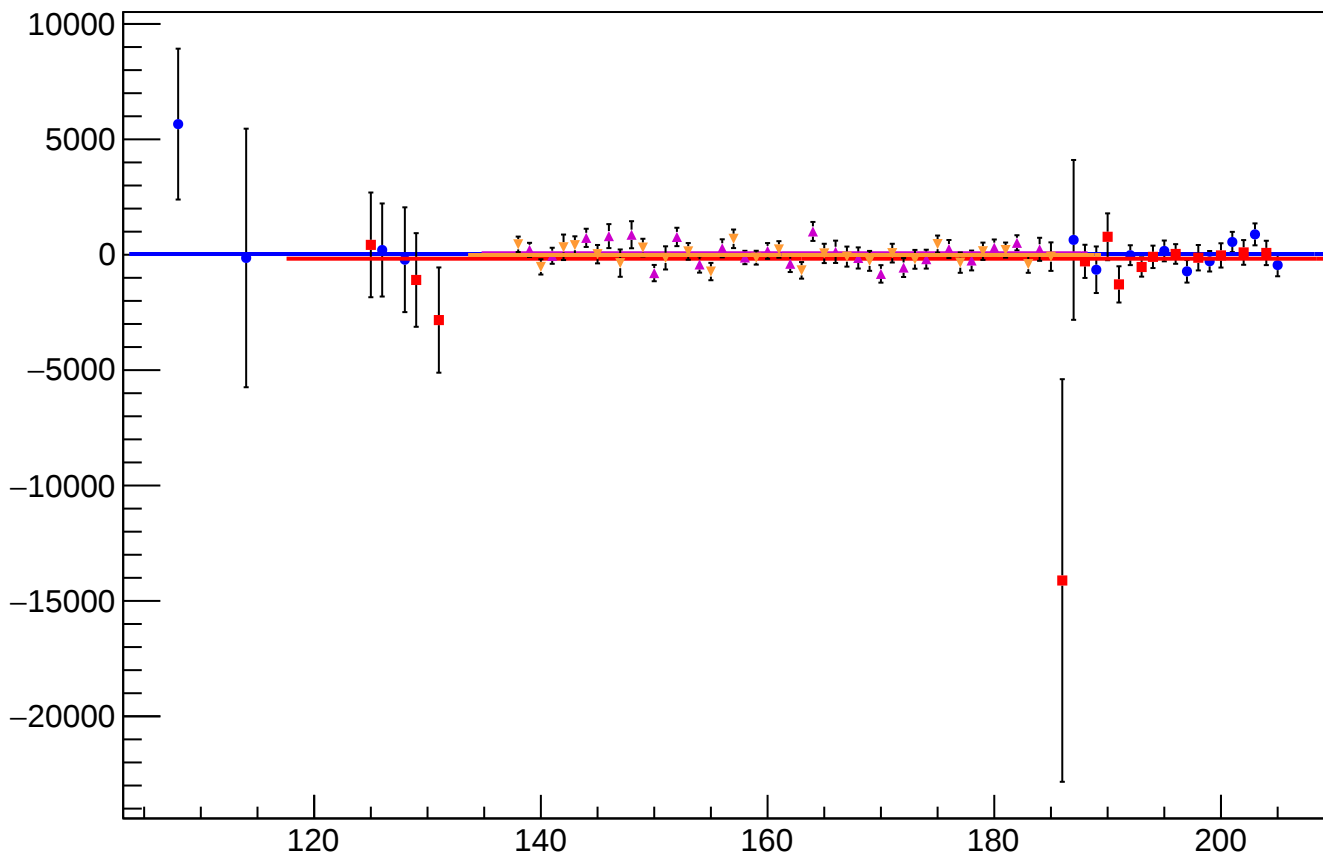
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 78.561 $\pm$ 0.010 χ^2 /NDF: 1064919.3/50

All: 79.077 $\pm$ 0.007 χ^2 /NDF: 2758335.8/103

- sign 79.608 $\pm$ 0.010 χ^2 /NDF: 1688014.4/52

asym_sam1_correction_mean vs Slug



Right In: 31.823 ± 168.811 χ^2/NDF : 12.0/12

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -171.160 ± 169.901 χ^2/NDF : 8.7/13

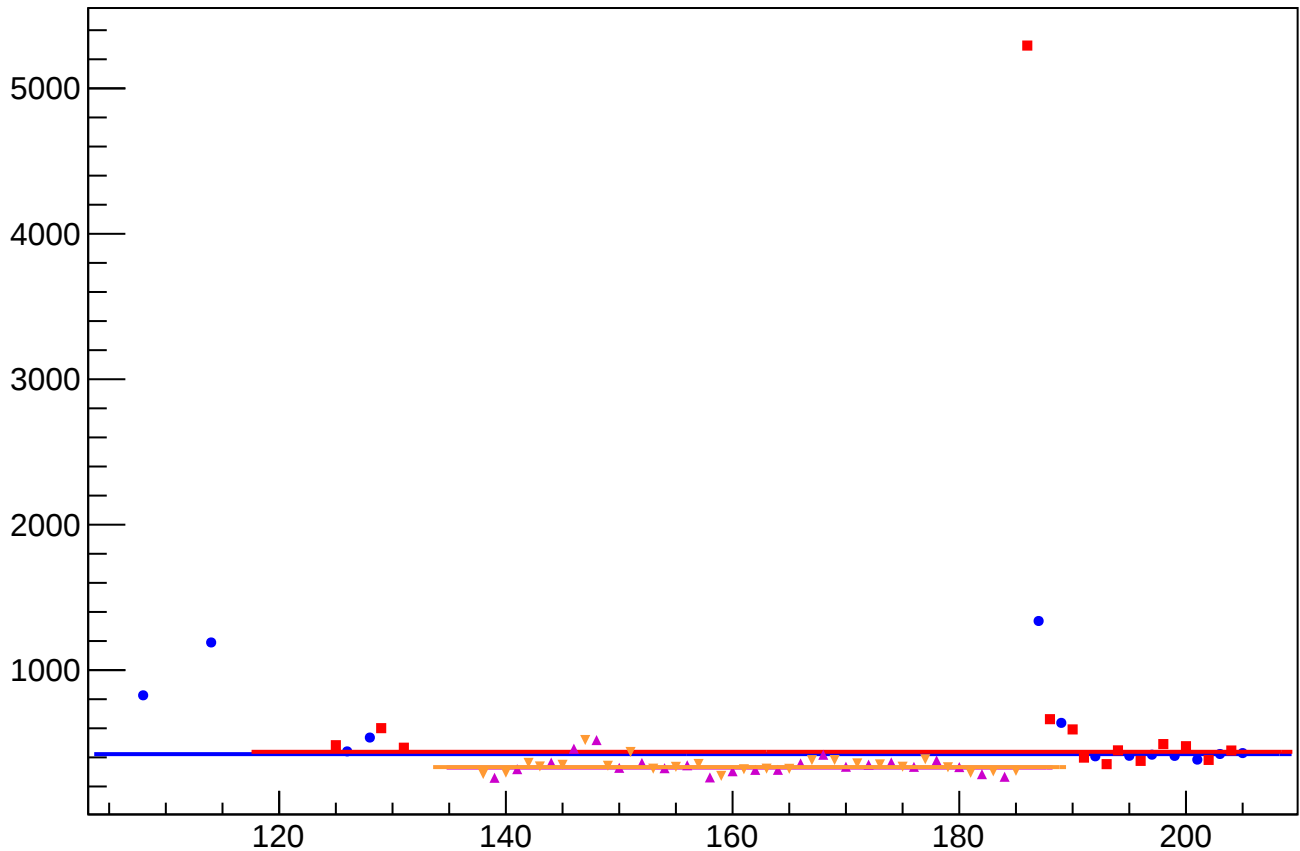
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -2.981 ± 71.099 χ^2/NDF : 34.6/37

All: 9.167 ± 50.733 χ^2/NDF : 82.3/74

- sign 21.767 ± 72.412 χ^2/NDF : 47.6/36

asym_sam1_correction_rms vs Slug



Right In: 422.383+/-0.119 χ^2/NDF : 324640.7/12

Left Out: 333.233+/-0.055 χ^2/NDF : 592122.2/24

Right Out: 438.405+/-0.120 χ^2/NDF : 1057277.7/13

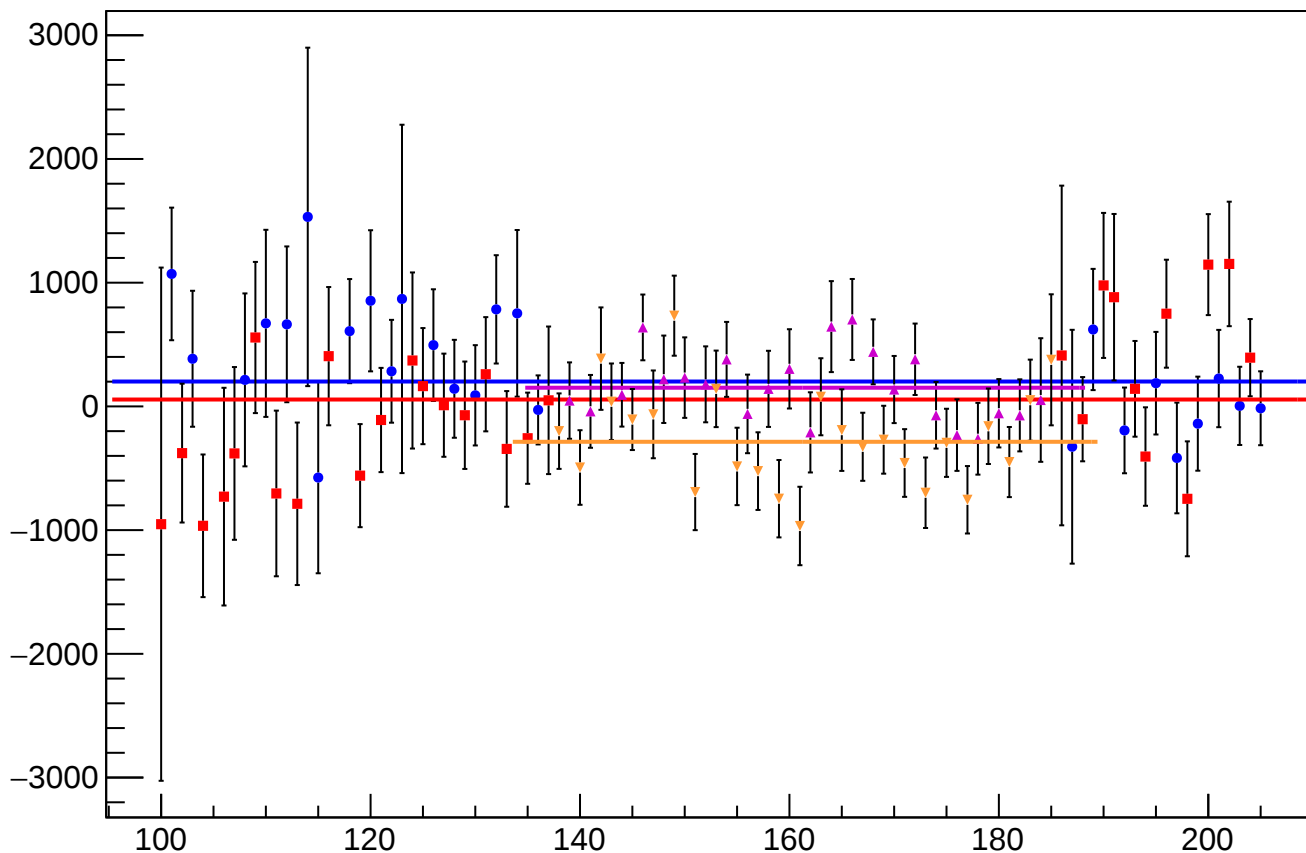
Left In: 329.985+/-0.057 χ^2/NDF : 795969.0/22

+ sign 349.047+/-0.050 χ^2/NDF : 1375603.7/37

All: 349.358+/-0.036 χ^2/NDF : 3895418.1/74

- sign 349.680+/-0.051 χ^2/NDF : 2519736.8/36

reg_asym_sam2_mean vs Slug



Right In: 201.130 $\pm$ 88.734 χ^2 /NDF: 17.8/25

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: 55.609 $\pm$ 89.094 χ^2 /NDF: 37.7/29

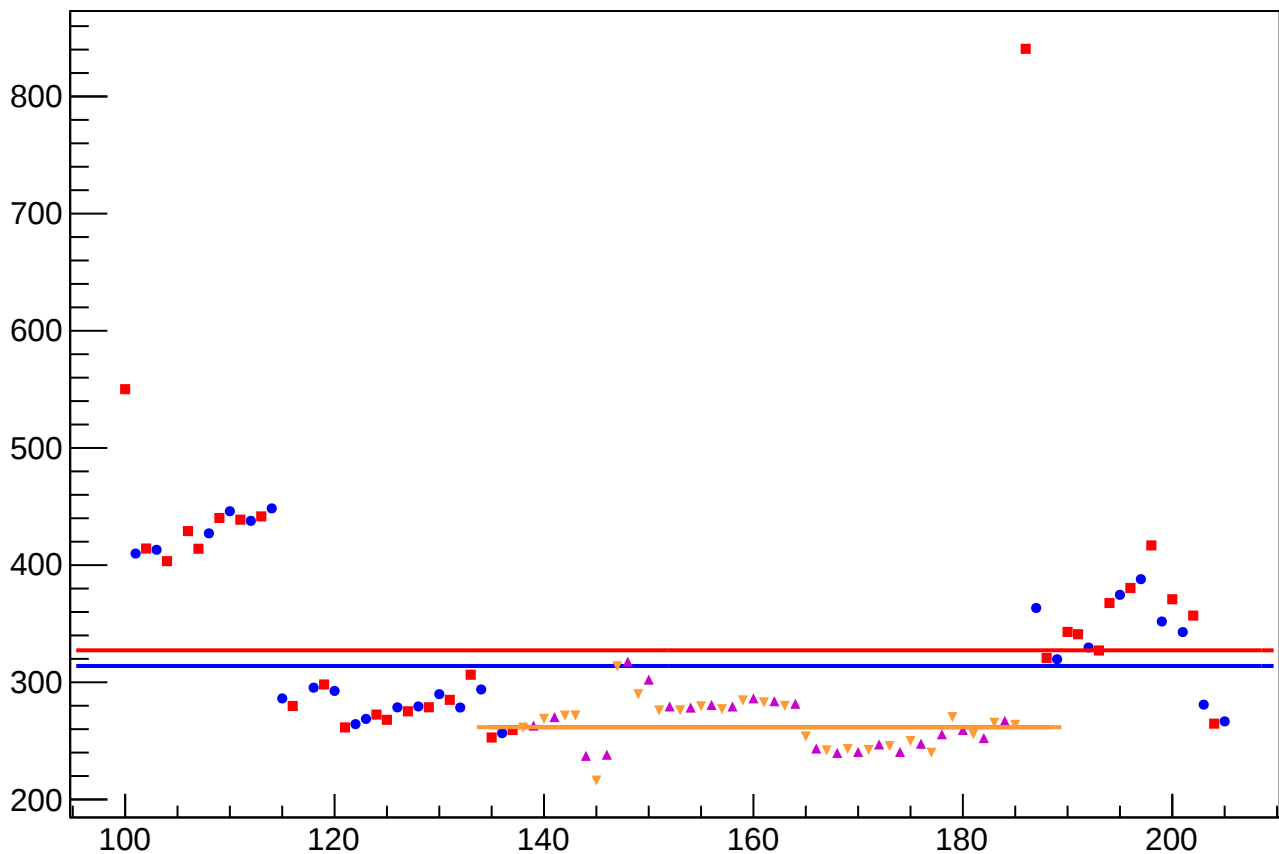
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -129.360 $\pm$ 50.321 χ^2 /NDF: 74.8/50

All: -7.536 $\pm$ 35.937 χ^2 /NDF: 143.9/103

- sign 119.272 $\pm$ 51.340 χ^2 /NDF: 57.2/52

reg_asym_sam2_rms vs Slug



Right In: 313.935 $\pm$ 0.063 χ^2 /NDF: 723461.8/25

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 327.299 $\pm$ 0.063 χ^2 /NDF: 1166743.8/29

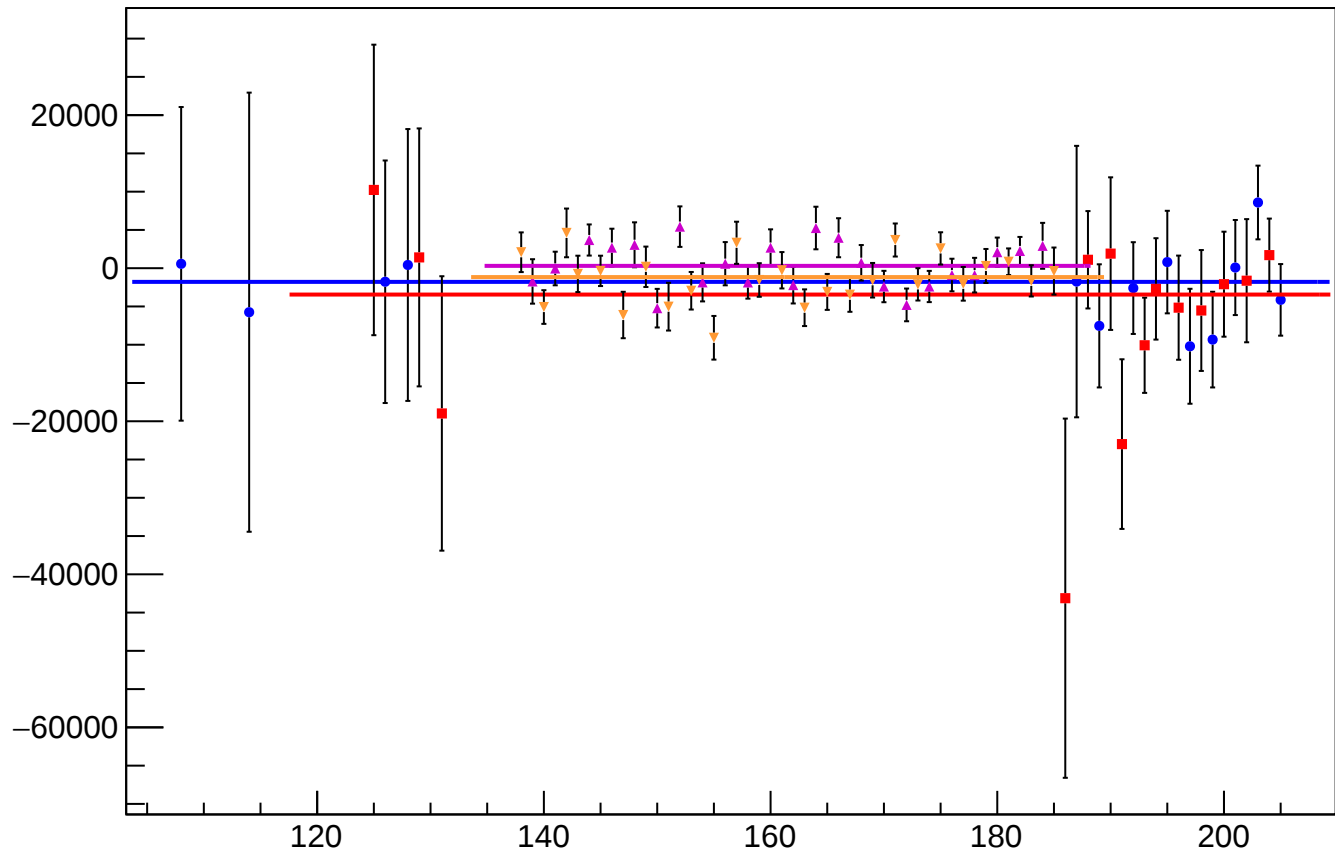
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 278.514 $\pm$ 0.036 χ^2 /NDF: 1426482.0/50

All: 280.927 $\pm$ 0.025 χ^2 /NDF: 3556476.6/103

- sign 283.440 $\pm$ 0.036 χ^2 /NDF: 2120602.3/52

asym_sam2_correction_mean vs Slug



Right In: -1787.334 ± 2051.792 χ^2/NDF : 8.4/12

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -3445.025 ± 2127.287 χ^2/NDF : 10.7/13

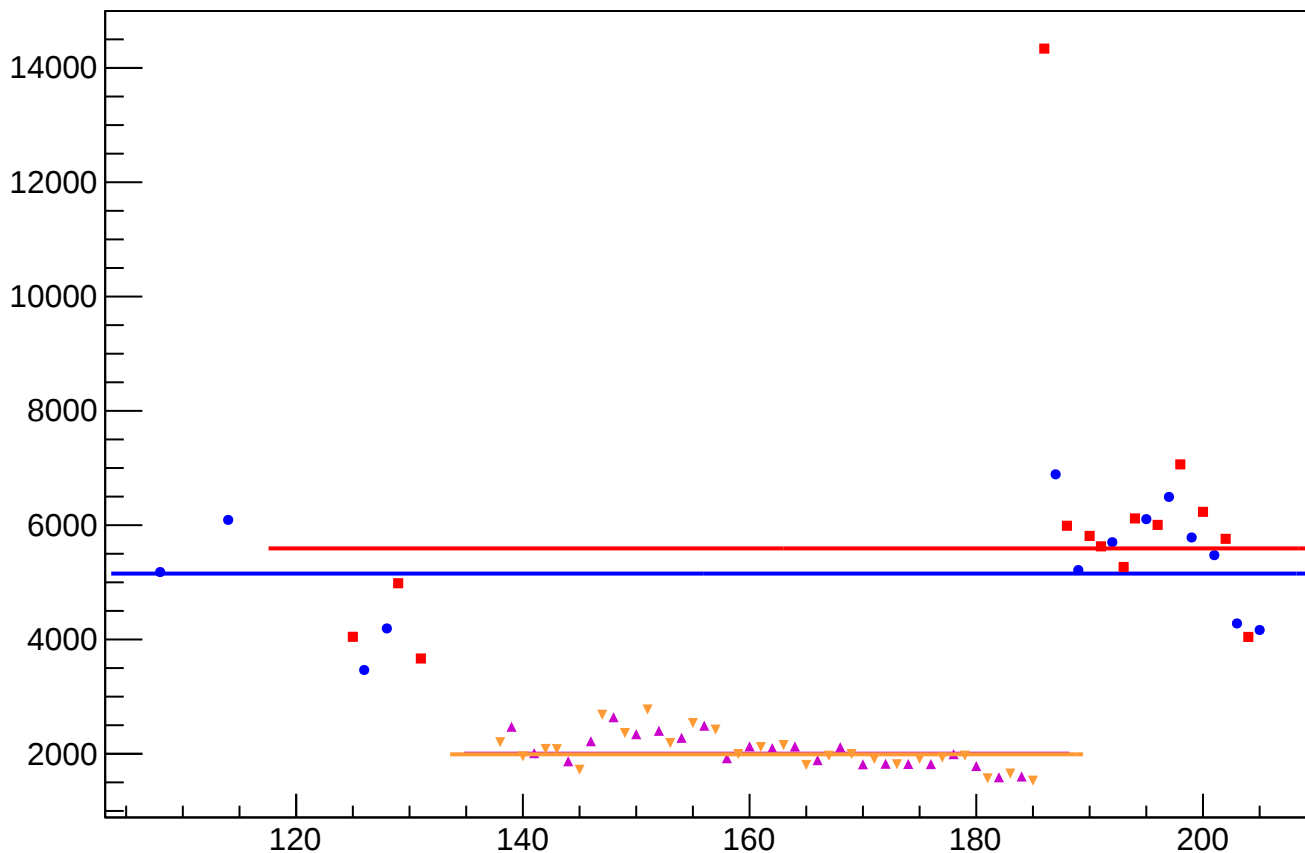
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1192.526 ± 457.241 χ^2/NDF : 47.3/37

All: -556.738 ± 328.322 χ^2/NDF : 100.2/74

- sign 119.991 ± 471.734 χ^2/NDF : 49.0/36

asym_sam2_correction_rms vs Slug



Right In: 5153.196+/-1.451 χ^2 /NDF: 351423.8/12

Left Out: 1991.105+/-0.332 χ^2 /NDF: 726310.6/24

Right Out: 5593.225+/-1.504 χ^2 /NDF: 648951.2/13

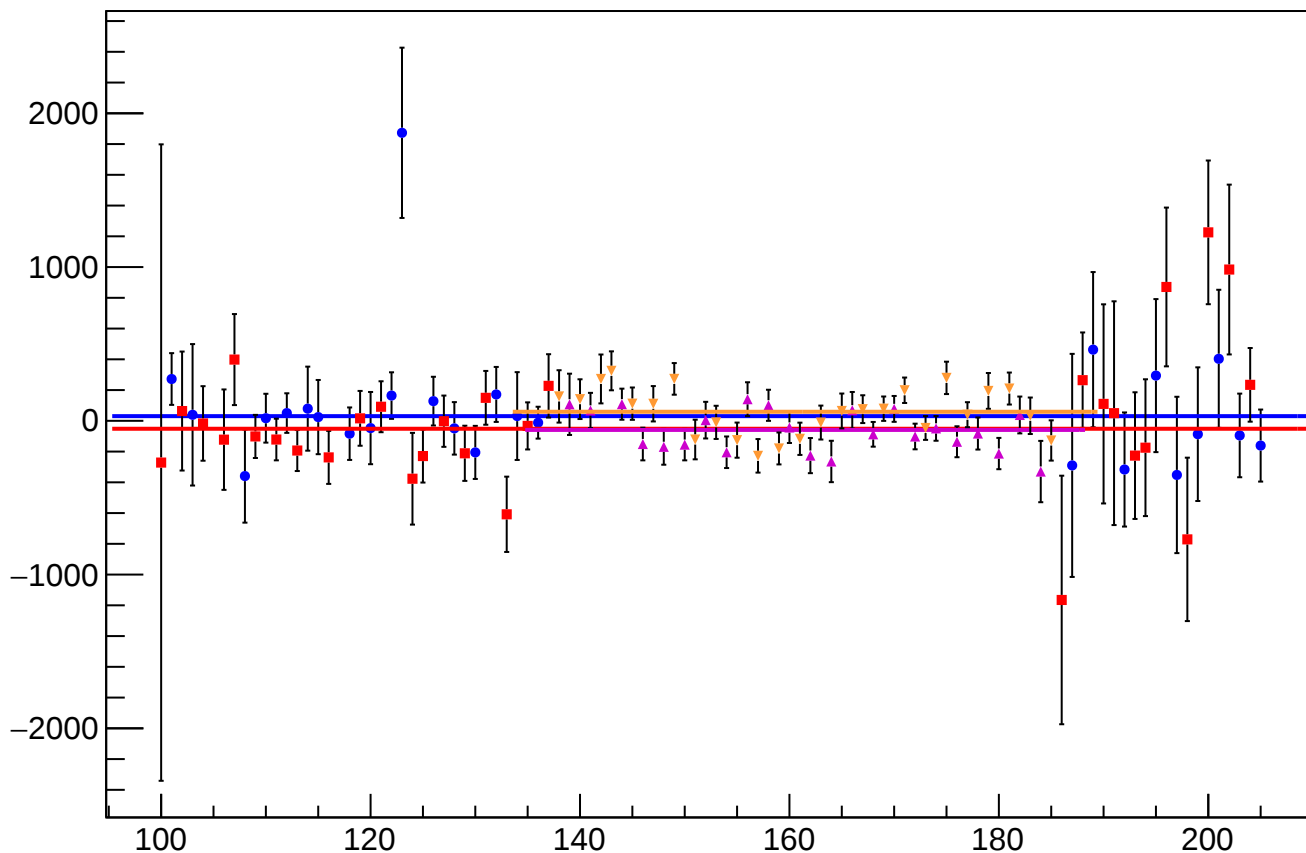
Left In: 2002.154+/-0.342 χ^2 /NDF: 585947.4/22

+ sign 2148.140+/-0.323 χ^2 /NDF: 5592032.1/37

All: 2162.965+/-0.232 χ^2 /NDF: 12250360.9/7

- sign 2178.743+/-0.334 χ^2 /NDF: 6653989.0/36

reg_asym_sam3_mean vs Slug



Right In: 30.397 ± 41.230 χ^2/NDF : 23.7/25

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -51.610 ± 40.988 χ^2/NDF : 38.2/29

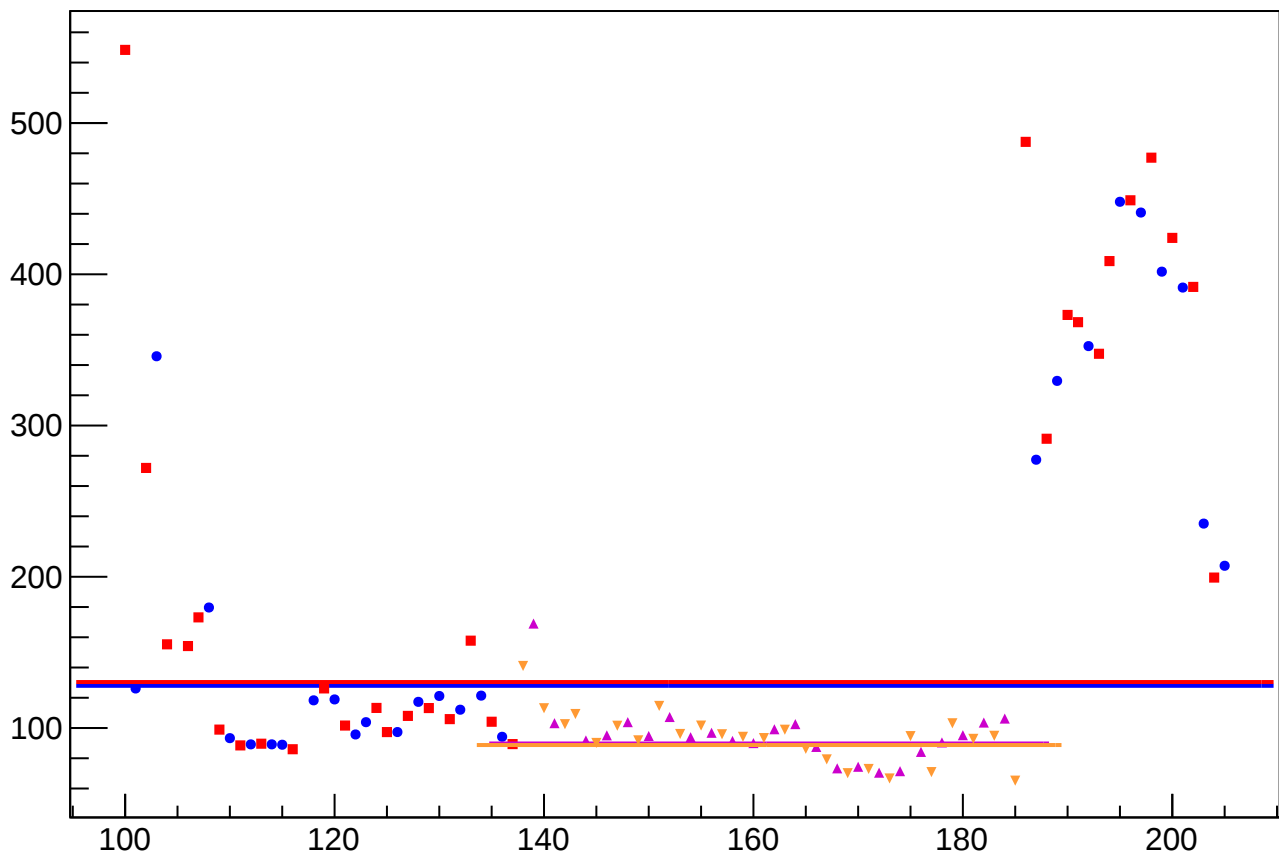
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 53.033 ± 18.810 χ^2/NDF : 71.0/50

All: -0.744 ± 13.481 χ^2/NDF : 155.5/103

- sign -57.539 ± 19.330 χ^2/NDF : 67.6/52

reg_asym_sam3_rms vs Slug



Right In: 127.909 $\pm$ 0.029 χ^2 /NDF: 6036548.2/25

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 130.403 $\pm$ 0.029 χ^2 /NDF: 7211232.5/29

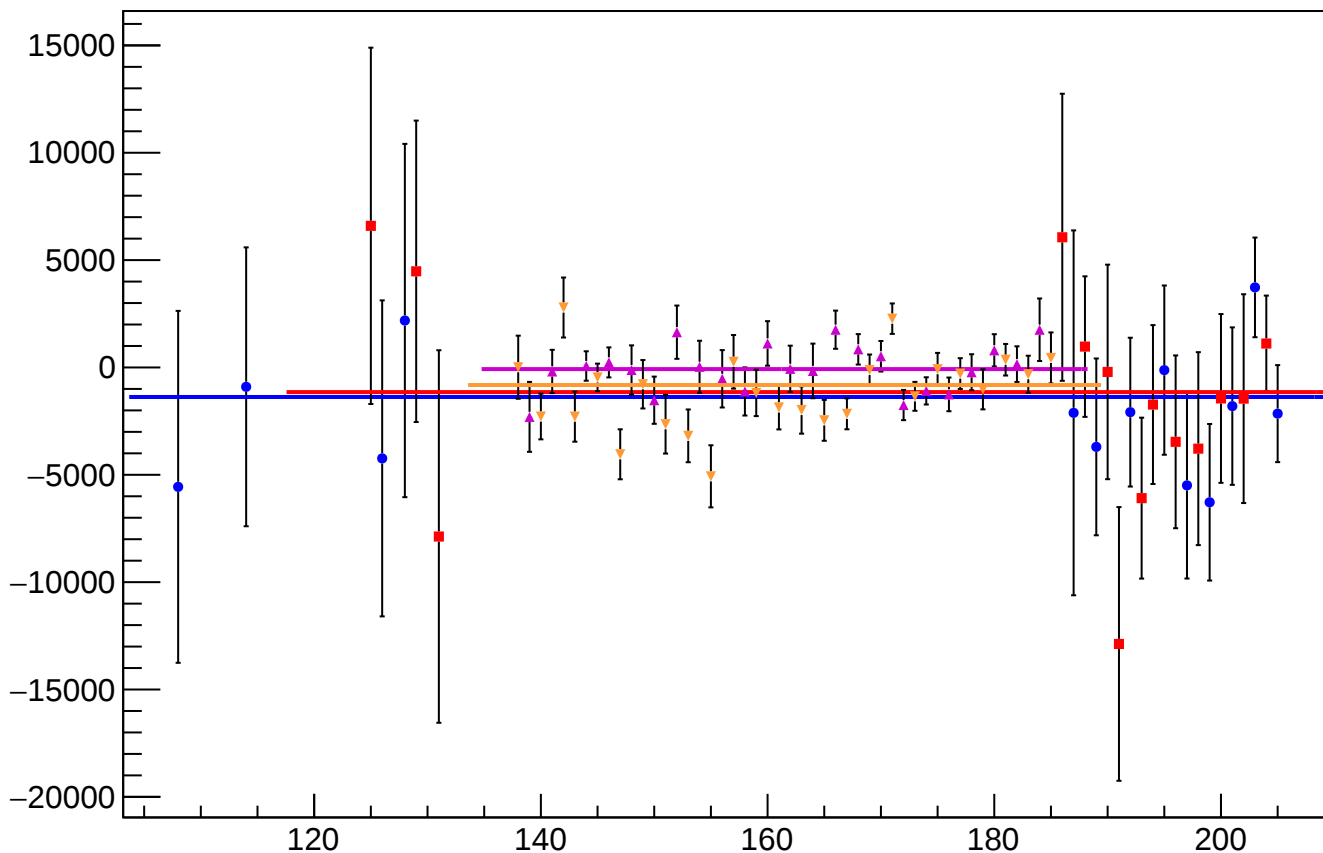
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 96.899 $\pm$ 0.013 χ^2 /NDF: 8544650.4/50

All: 97.825 $\pm$ 0.010 χ^2 /NDF: 18180412.7/103

- sign 98.804 $\pm$ 0.014 χ^2 /NDF: 9625777.8/52

asym_sam3_correction_mean vs Slug



Right In: -1375.669 $\pm$ 1068.120 χ^2 /NDF: 8.7/12

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF: 68.2/24

Right Out: -1147.783 $\pm$ 1123.851 χ^2 /NDF: 10.6/13

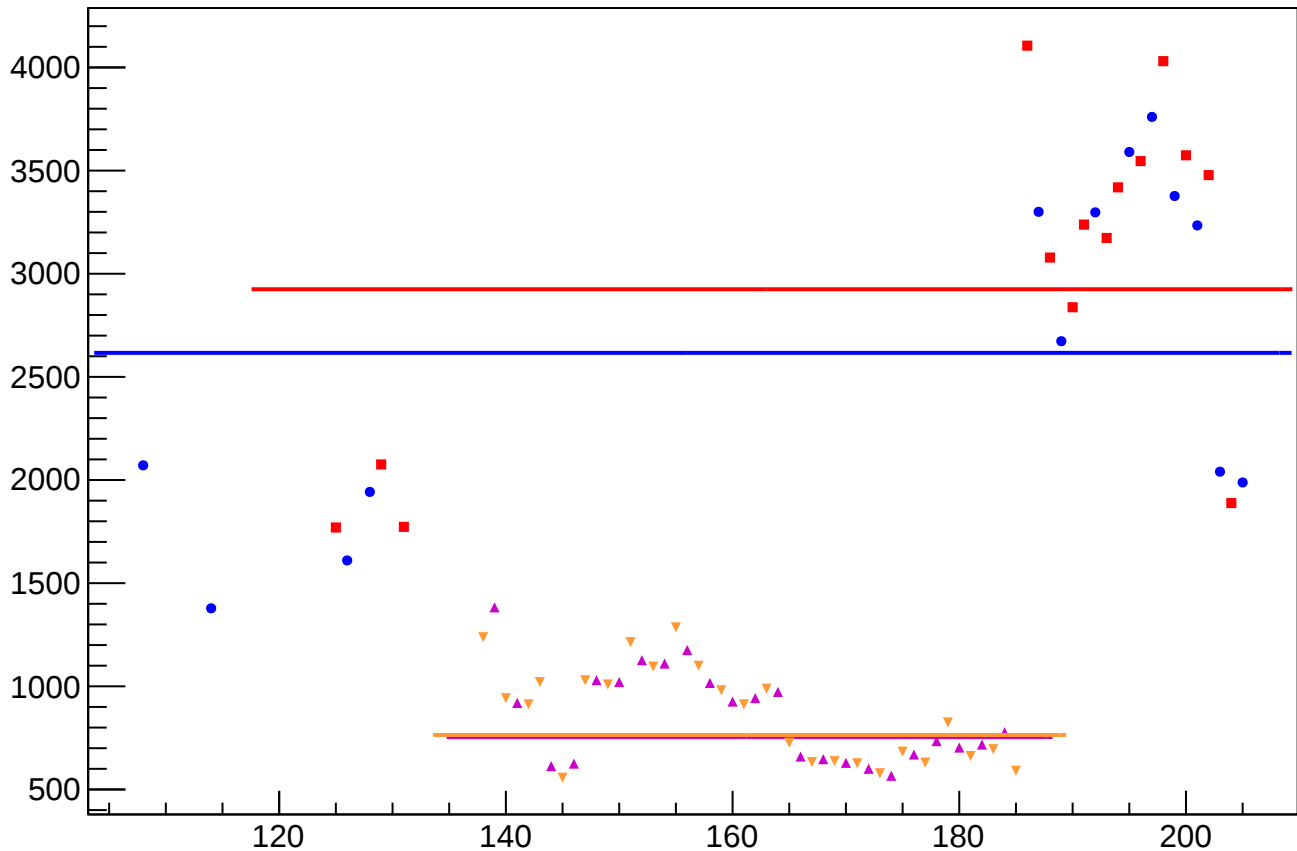
Left In: -76.204 $\pm$ 186.651 χ^2 /NDF: 28.3/22

+ sign -835.002 $\pm$ 181.773 χ^2 /NDF: 77.2/37

All: -474.684 $\pm$ 129.358 χ^2 /NDF: 124.9/74

- sign -104.968 $\pm$ 184.129 χ^2 /NDF: 39.7/36

asym_sam3_correction_rms vs Slug



Right In: 2616.470 $\pm$ 0.755 χ^2 /NDF: 905564.3/12

Left Out: 764.280 $\pm$ 0.130 χ^2 /NDF:2315985.8/24

Right Out: 2924.849 $\pm$ 0.795 χ^2 /NDF: 900327.8/13

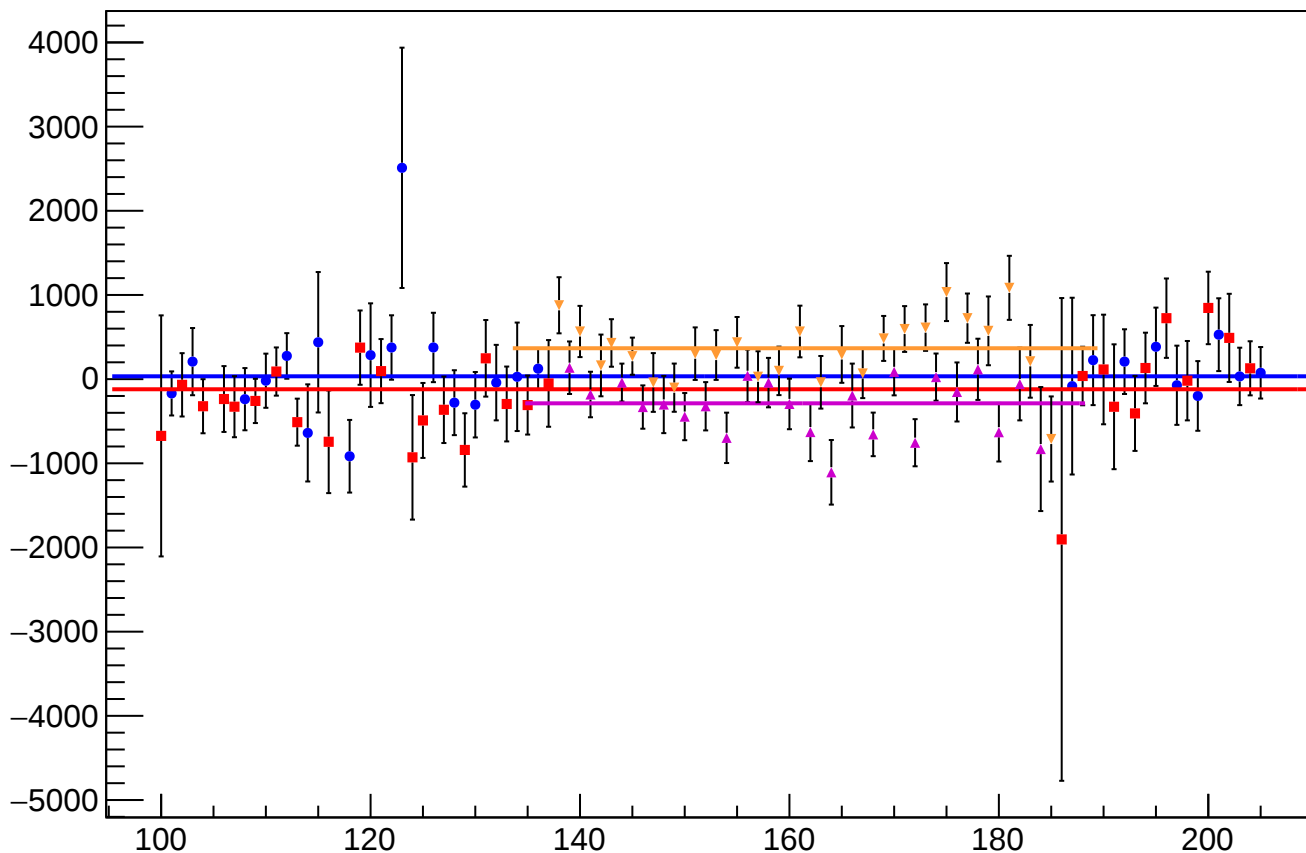
Left In: 754.027 $\pm$ 0.132 χ^2 /NDF:2013386.7/22

+ sign 817.922 $\pm$ 0.129 χ^2 /NDF: 9061351.5/37

All: 815.146 $\pm$ 0.091 χ^2 /NDF: 19237811.6/74

- sign 812.297 $\pm$ 0.130 χ^2 /NDF: 10175515.1/36

reg_asym_sam4_mean vs Slug



Right In: 33.689 ± 77.791 $\chi^2/\text{NDF}: 17.5/25$

Left Out: 367.028 ± 61.943 $\chi^2/\text{NDF}: 28.2/24$

Right Out: -120.316 ± 75.177 $\chi^2/\text{NDF}: 24.3/29$

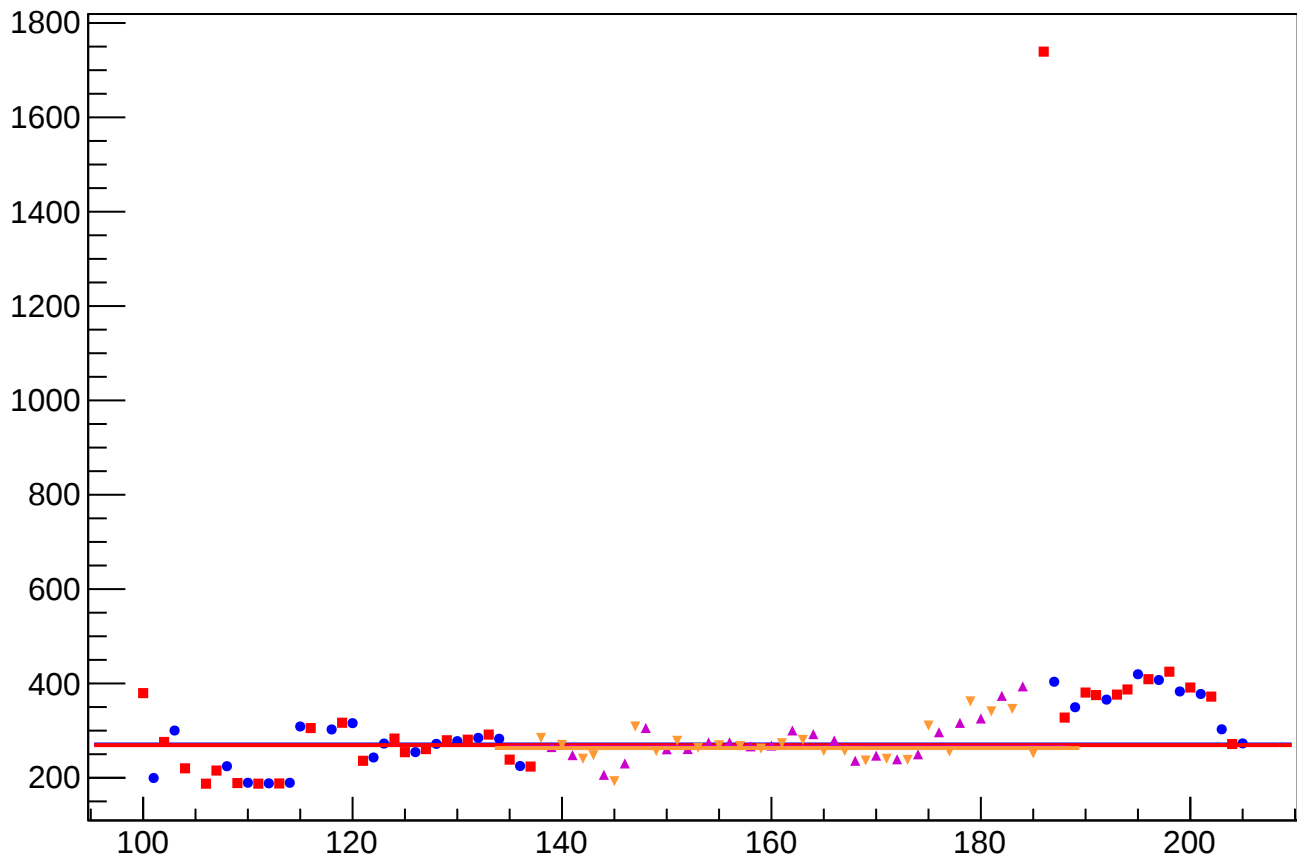
Left In: -287.246 ± 64.141 $\chi^2/\text{NDF}: 23.9/22$

+ sign 237.683 ± 48.457 $\chi^2/\text{NDF}: 56.9/50$

All: 11.955 ± 34.383 $\chi^2/\text{NDF}: 151.7/103$

- sign -216.923 ± 48.794 $\chi^2/\text{NDF}: 51.1/52$

reg_asym_sam4_rms vs Slug



Right In: 270.607 $\pm$ 0.055 χ^2 /NDF: 1512528.3/25

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 269.267 $\pm$ 0.053 χ^2 /NDF: 2384675.5/29

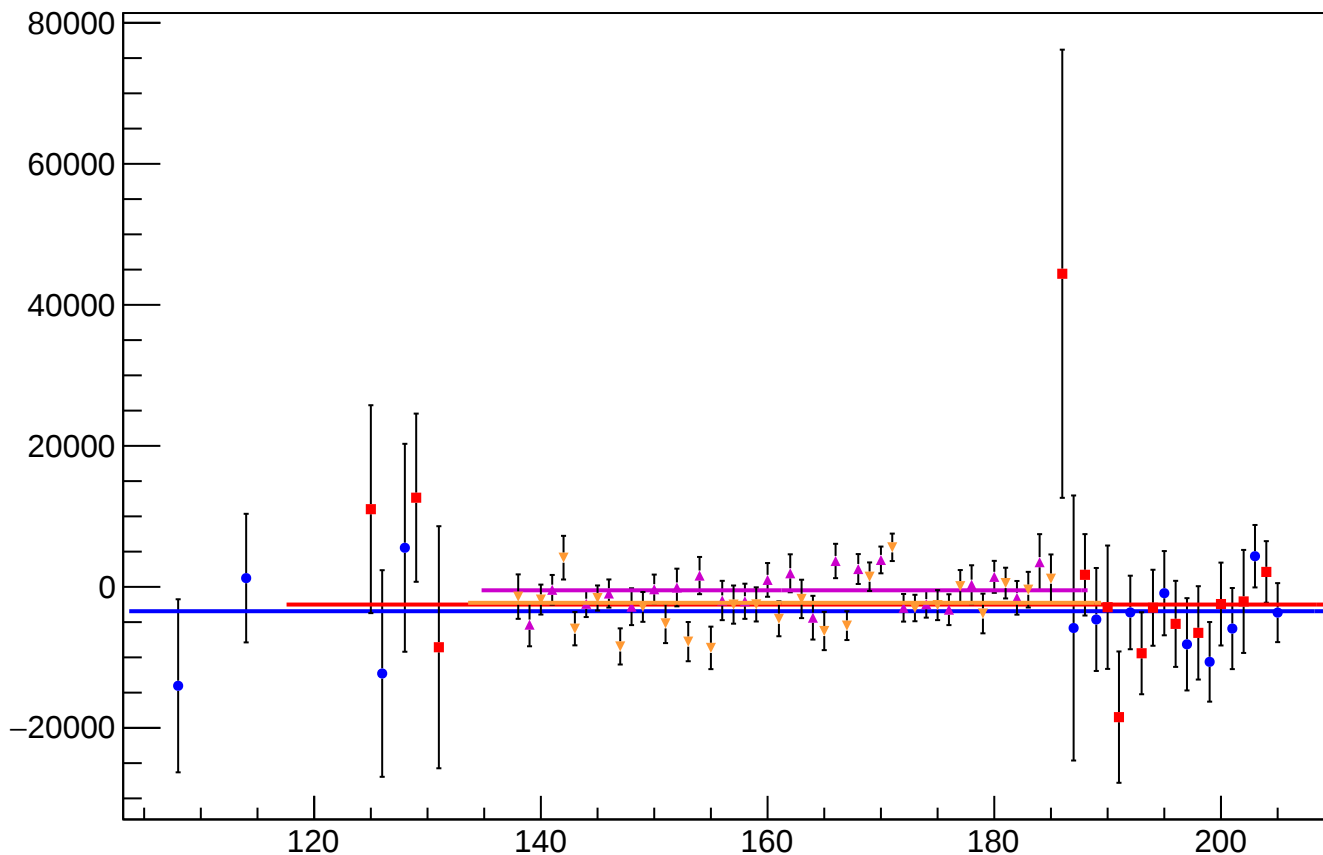
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 266.015 $\pm$ 0.034 χ^2 /NDF: 2166144.7/50

All: 266.381 $\pm$ 0.024 χ^2 /NDF: 5163940.7/103

- sign 266.753 $\pm$ 0.035 χ^2 /NDF: 2997565.4/52

asym_sam4_correction_mean vs Slug



Right In: -3452.023 ± 1803.860 χ^2/NDF : 7.4/12

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -2507.024 ± 1874.993 χ^2/NDF : 11.4/13

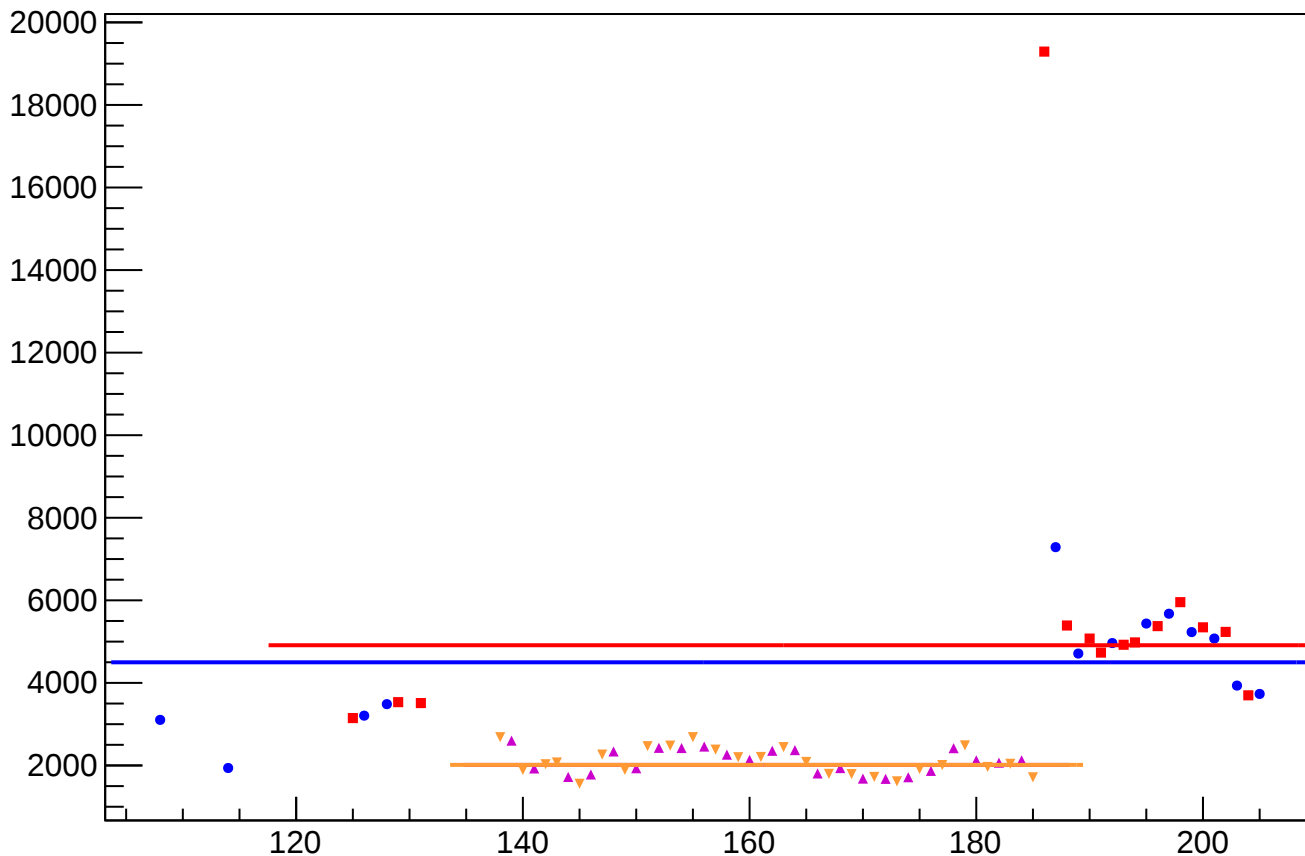
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2337.580 ± 459.645 χ^2/NDF : 60.1/37

All: -1498.036 ± 329.225 χ^2/NDF : 104.2/74

- sign -613.570 ± 471.782 χ^2/NDF : 37.2/36

asym_sam4_correction_rms vs Slug



Right In: 4498.626+/-1.276 χ^2/NDF : 537391.4/12

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4912.210+/-1.326 χ^2/NDF : 724035.0/13

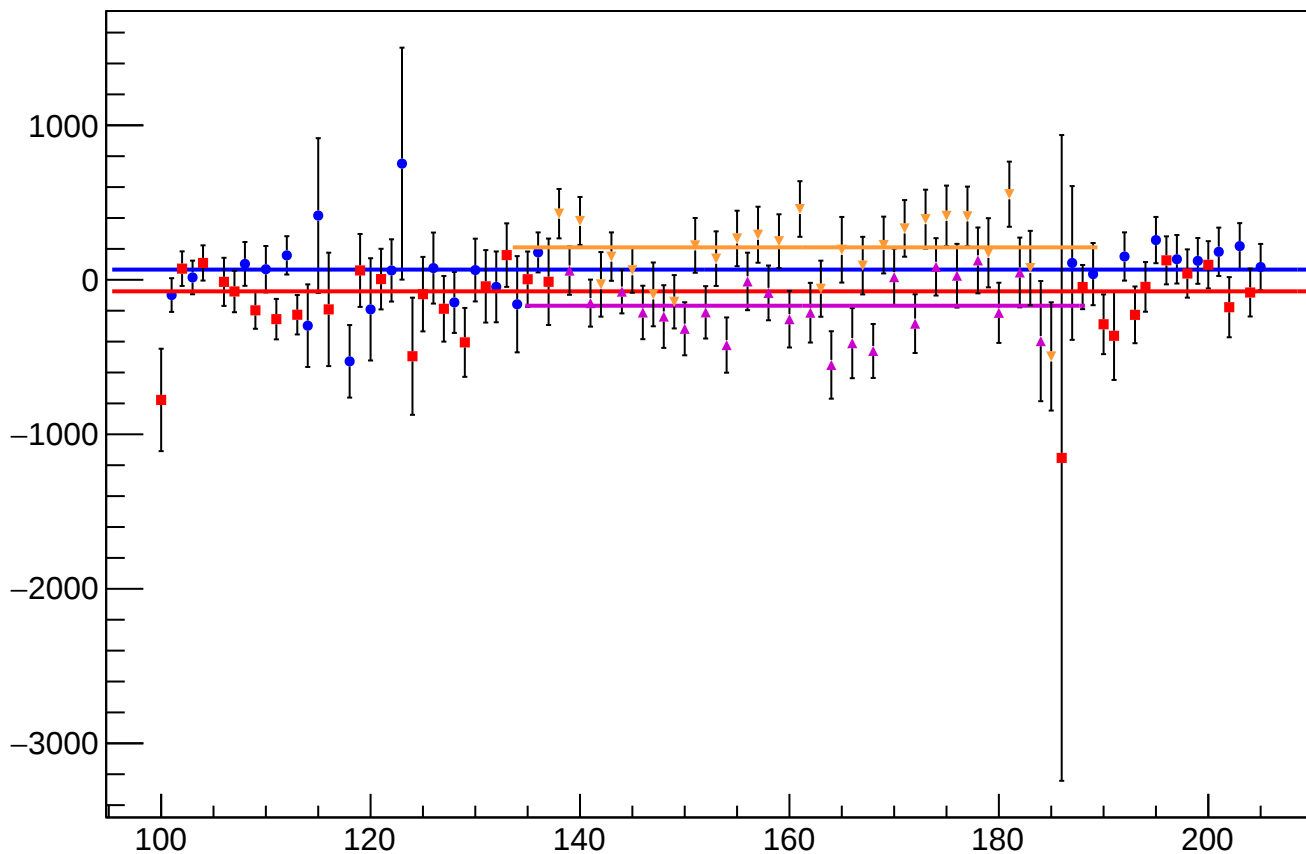
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2175.423+/-0.325 χ^2/NDF : 4920806.0/37

All: 2185.825+/-0.233 χ^2/NDF : 10787306.9/7

- sign 2196.783+/-0.334 χ^2/NDF : 5864397.6/36

reg_asym_sam5_mean vs Slug



Right In: 66.036 ± 33.548 χ^2/NDF : 19.8/25

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -74.755 ± 31.531 χ^2/NDF : 26.2/29

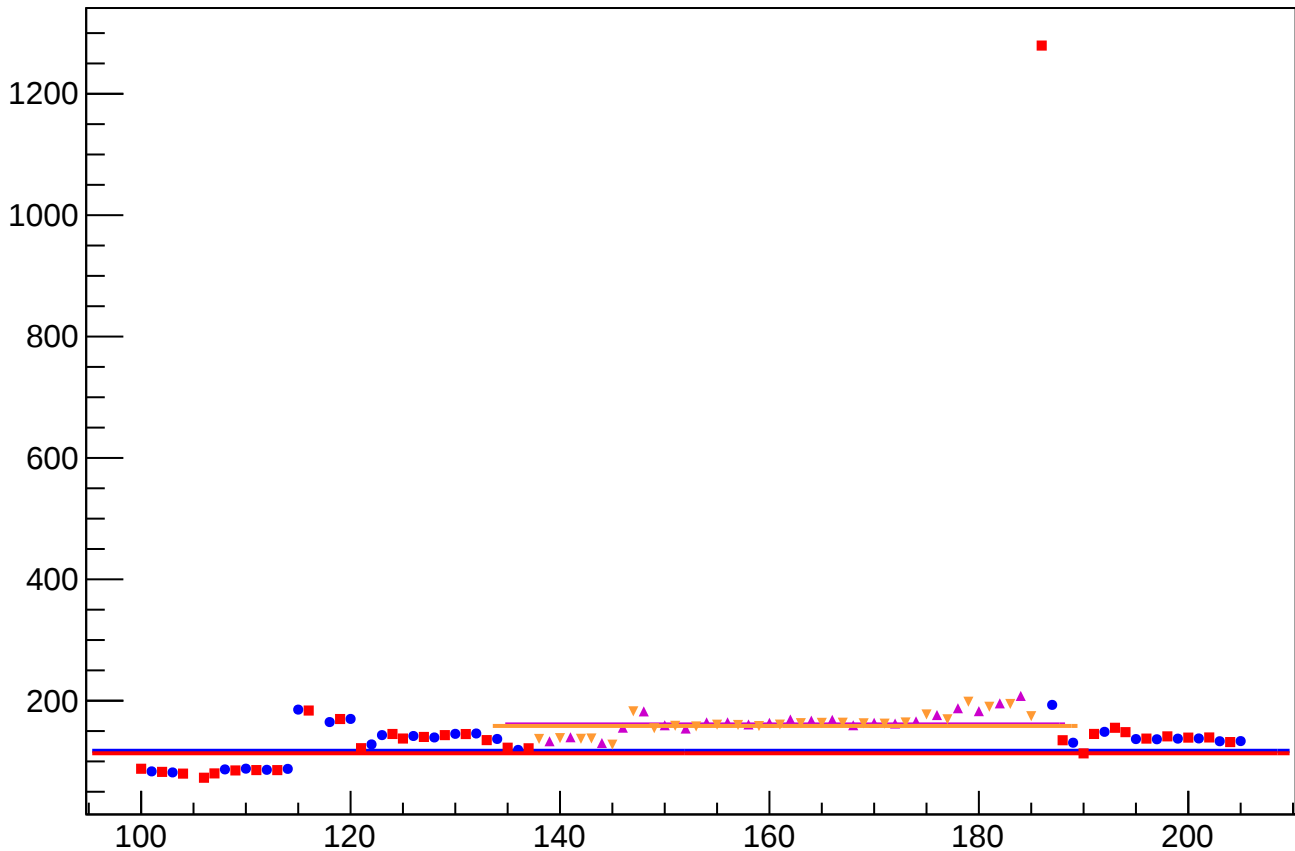
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 130.851 ± 24.881 χ^2/NDF : 55.6/50

All: 7.365 ± 17.439 χ^2/NDF : 154.9/103

- sign -111.866 ± 24.449 χ^2/NDF : 50.8/52

reg_asym_sam5_rms vs Slug



Right In: 117.515 $\pm$ 0.024 χ^2 /NDF: 1344615.0/25

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 113.404 $\pm$ 0.022 χ^2 /NDF: 2371597.9/29

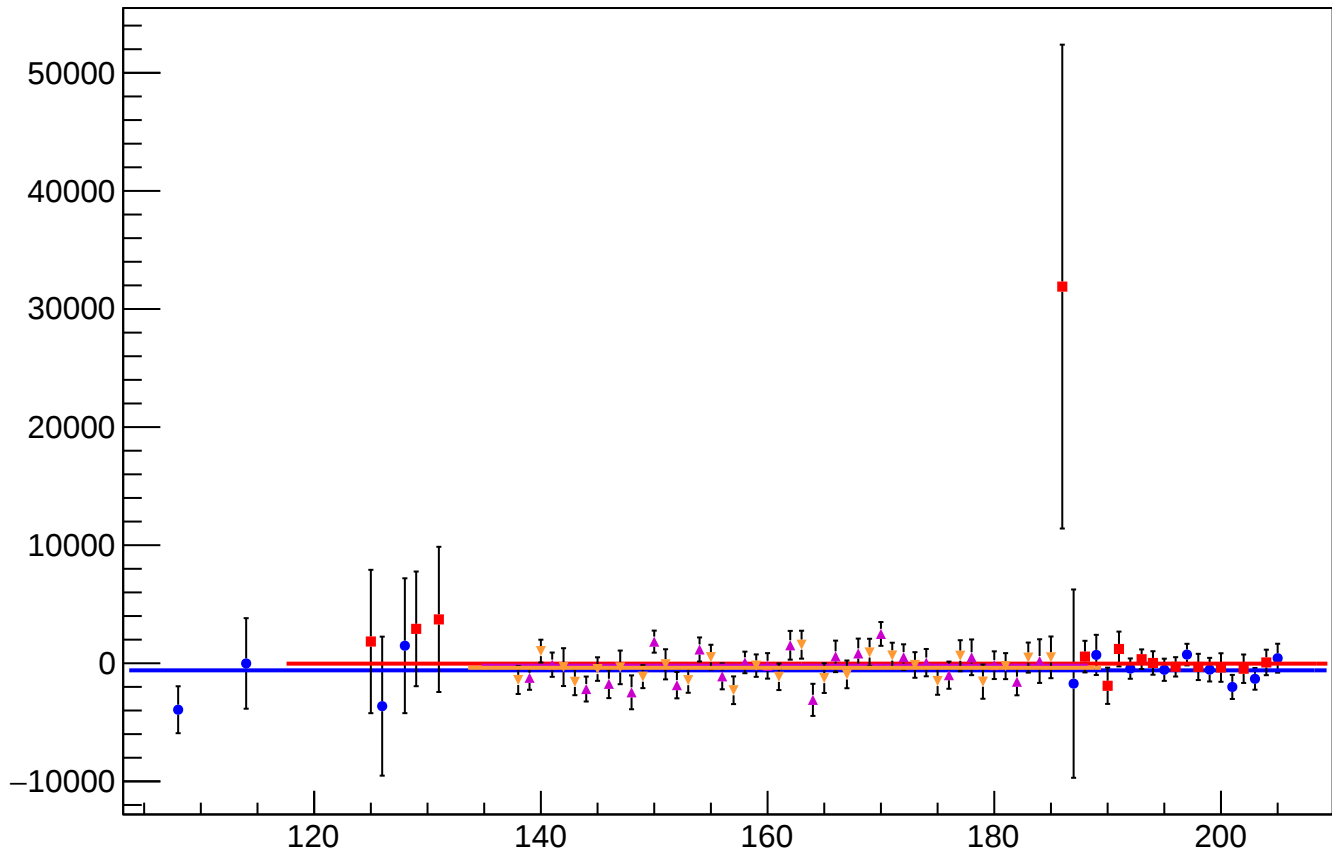
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.929 $\pm$ 0.018 χ^2 /NDF: 3118054.3/50

All: 134.114 $\pm$ 0.012 χ^2 /NDF: 7703460.6/103

- sign 132.362 $\pm$ 0.017 χ^2 /NDF: 4564493.4/52

asym_sam5_correction_mean vs Slug



Right In: -599.054 $\pm$ 348.442 χ^2 /NDF: 9.2/12

Left Out: -385.018 $\pm$ 231.833 χ^2 /NDF:18.1/24

Right Out: -31.718 $\pm$ 342.264 χ^2 /NDF: 6.3/13

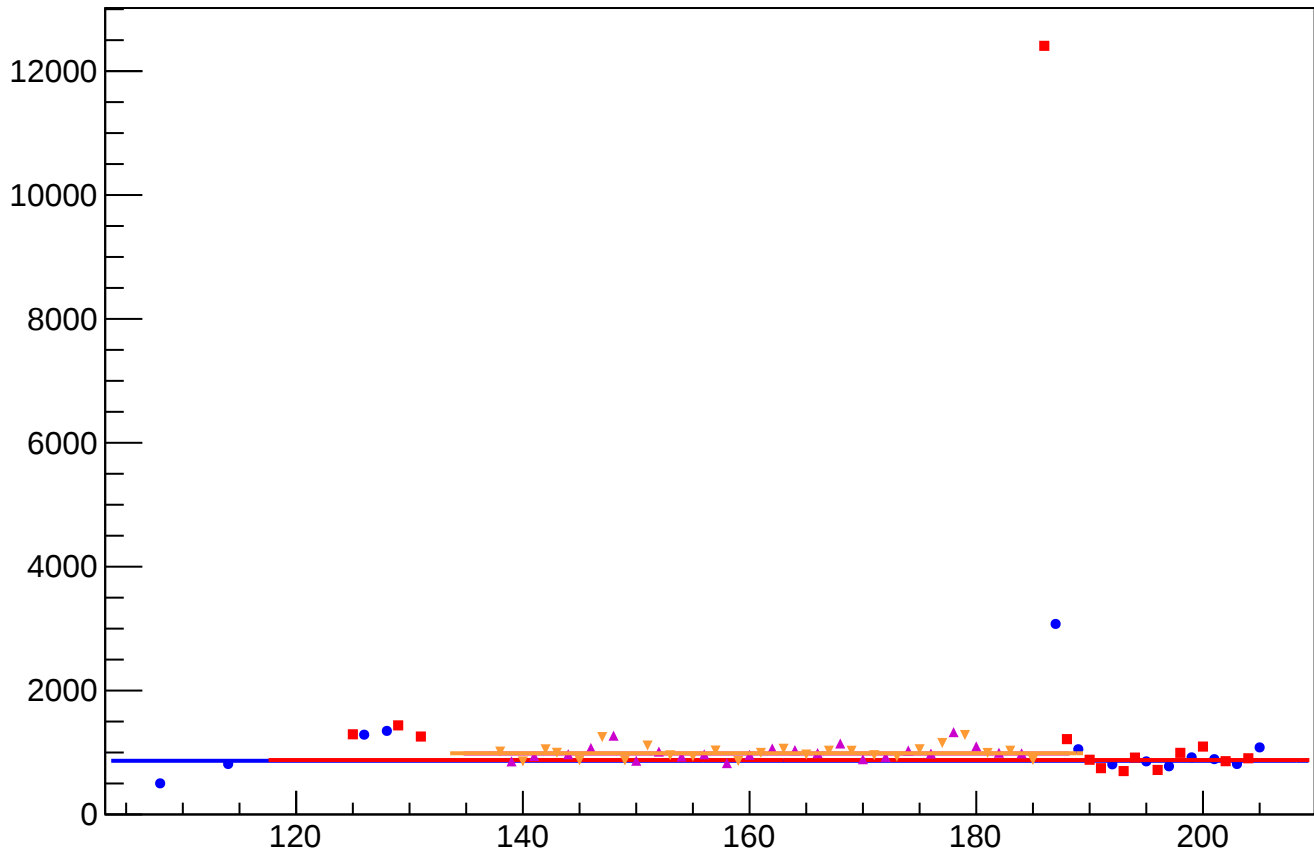
Left In: -202.234 $\pm$ 237.460 χ^2 /NDF:35.5/22

+ sign -450.694 $\pm$ 193.015 χ^2 /NDF: 27.6/37

All: -300.395 $\pm$ 137.214 χ^2 /NDF: 70.7/74

- sign -146.827 $\pm$ 195.102 χ^2 /NDF: 41.9/36

asym_sam5_correction_rms vs Slug



Right In: 866.318 $\pm$ 0.246 χ^2 /NDF: 374171.1/12

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 878.554 $\pm$ 0.242 χ^2 /NDF: 1079992.2/13

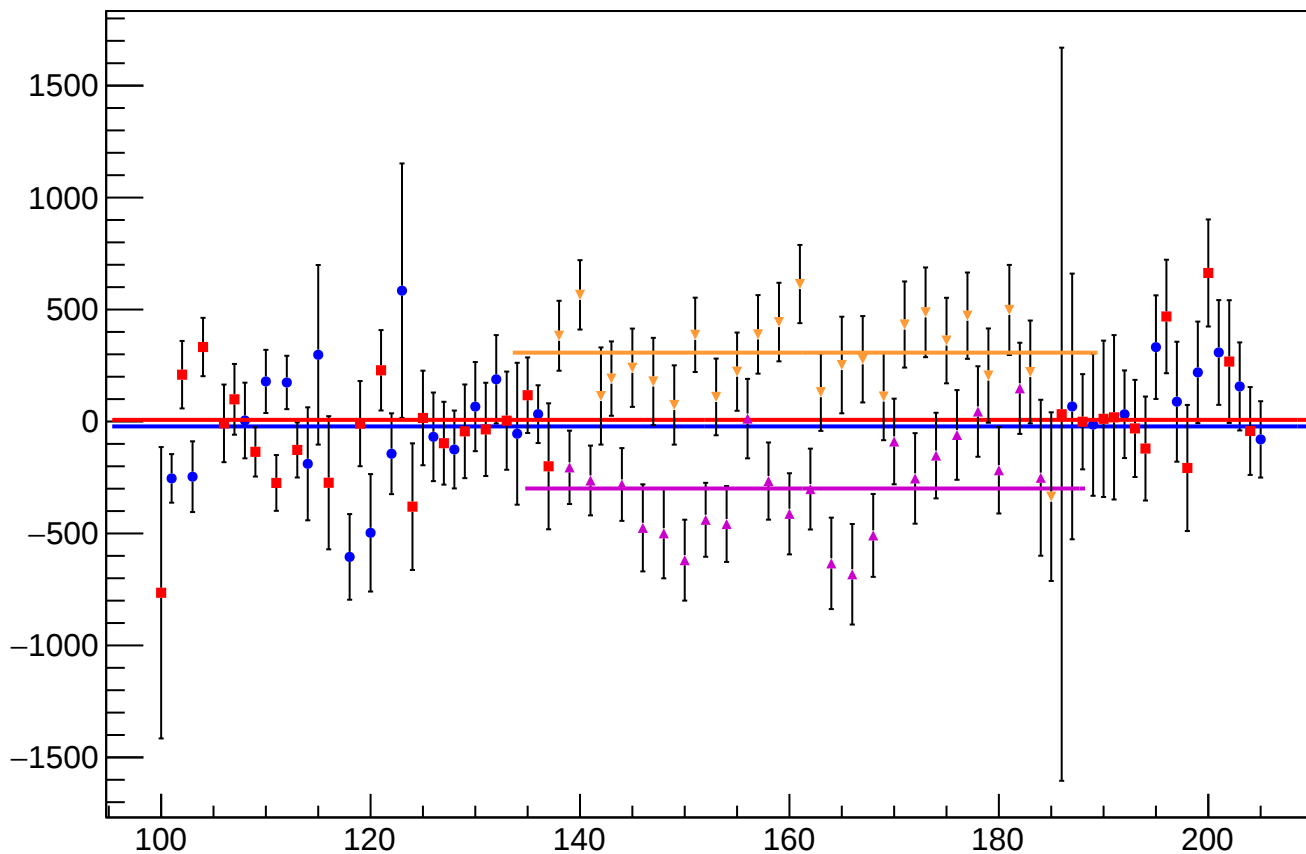
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 950.571 $\pm$ 0.136 χ^2 /NDF: 919829.6/37

All: 950.123 $\pm$ 0.097 χ^2 /NDF: 2543996.8/74

- sign 949.665 $\pm$ 0.138 χ^2 /NDF: 1624145.4/36

reg_asym_sam6_mean vs Slug



Right In: -21.956 ± 37.078 χ^2/NDF : 35.2/25

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: 7.390 ± 35.293 χ^2/NDF : 36.2/29

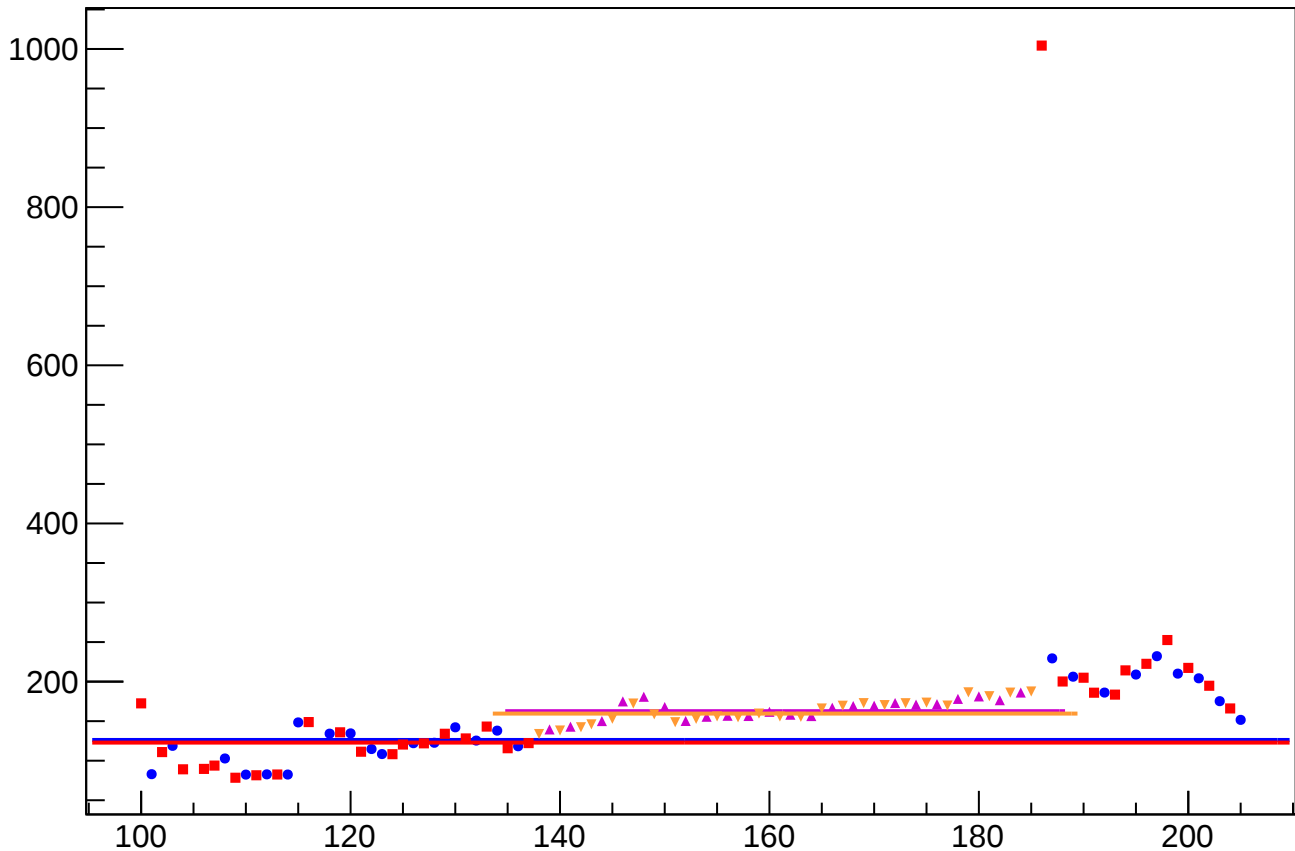
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 141.881 ± 26.288 χ^2/NDF : 95.2/50

All: 5.029 ± 18.547 χ^2/NDF : 247.8/103

- sign -130.609 ± 26.172 χ^2/NDF : 98.7/52

reg_asym_sam6_rms vs Slug



Right In: 126.217+/-0.026 χ^2/NDF : 2534664.7/25

Left Out: 159.568+/-0.026 χ^2/NDF : 287744.2/24

Right Out: 122.895+/-0.025 χ^2/NDF : 3884971.7/29

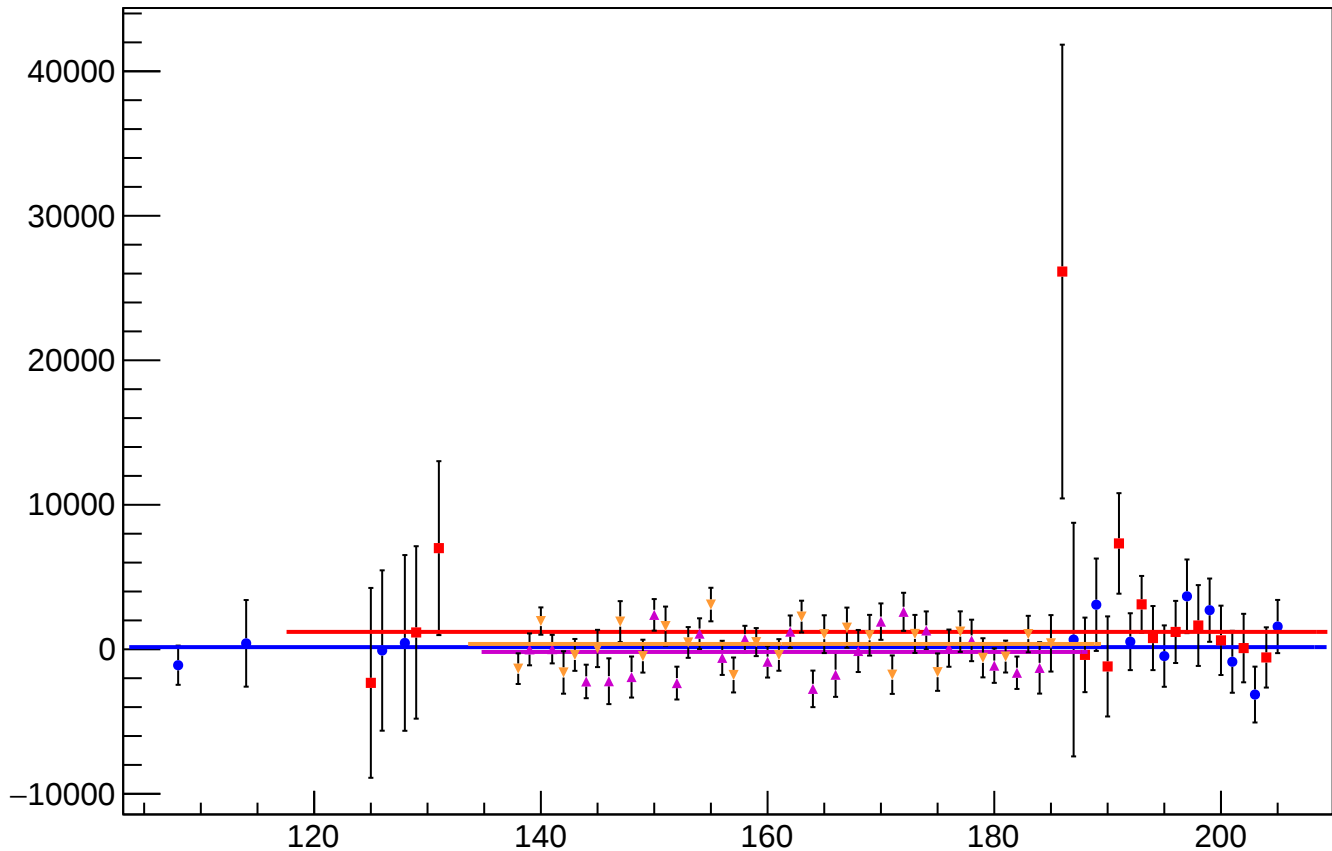
Left In: 162.606+/-0.028 χ^2/NDF : 199542.3/22

+ sign 142.803+/-0.019 χ^2/NDF : 3627139.1/50

All: 141.782+/-0.013 χ^2/NDF : 8857407.2/103

- sign 140.770+/-0.019 χ^2/NDF : 5224257.0/52

asym_sam6_correction_mean vs Slug



Right In: 151.053+/-638.845 χ^2/NDF : 8.8/12

Left Out: 370.001+/-243.521 χ^2/NDF :30.5/24

Right Out: 1205.420+/-747.917 χ^2/NDF : 9.7/13

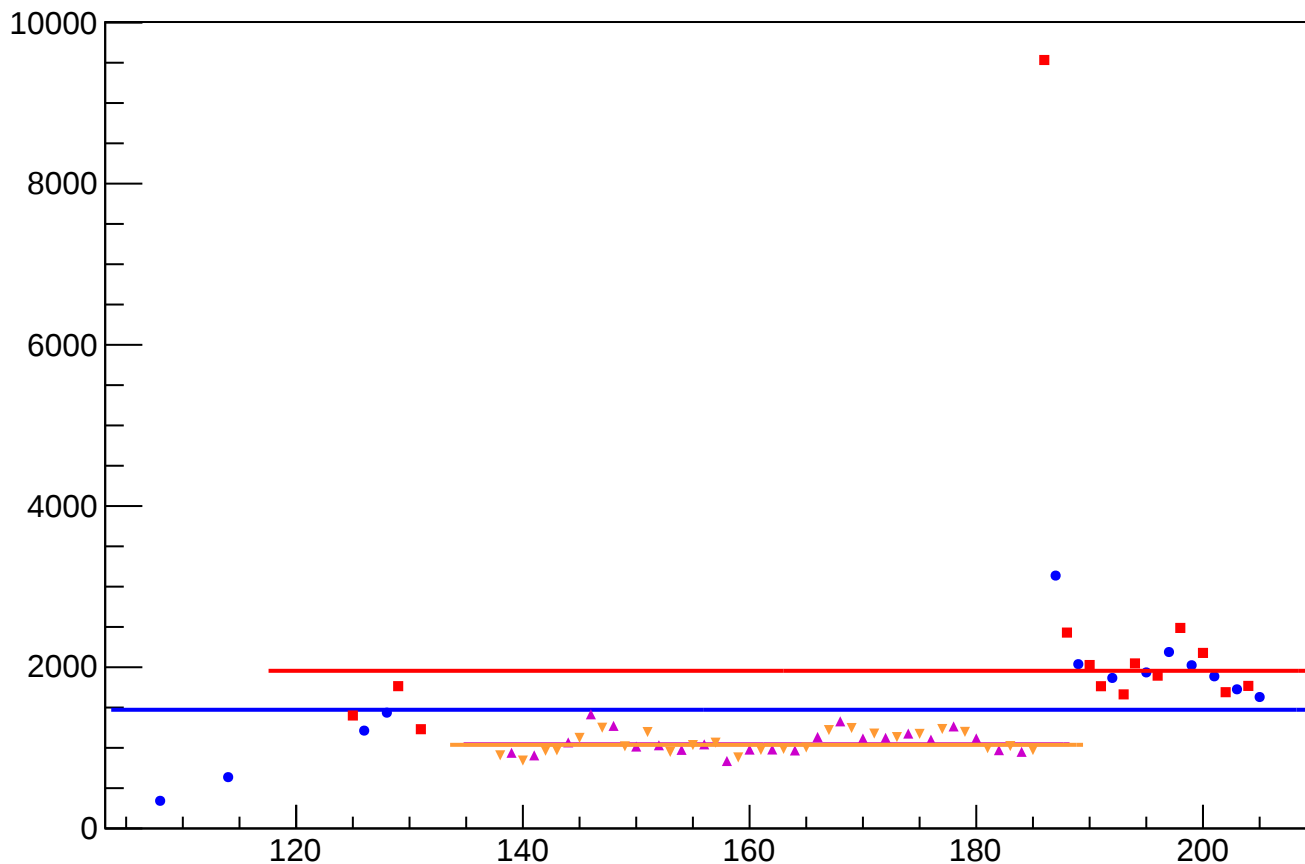
Left In: -183.107+/-252.258 χ^2/NDF :36.5/22

+ sign 342.223+/-227.549 χ^2/NDF : 39.4/37

All: 159.899+/-164.810 χ^2/NDF : 90.0/74

- sign -41.284+/-239.029 χ^2/NDF : 49.3/36

asym_sam6_correction_rms vs Slug



Right In: 1472.410+/-0.452 χ^2/NDF : 2278813.2/12

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1955.886+/-0.529 χ^2/NDF : 765559.3/13

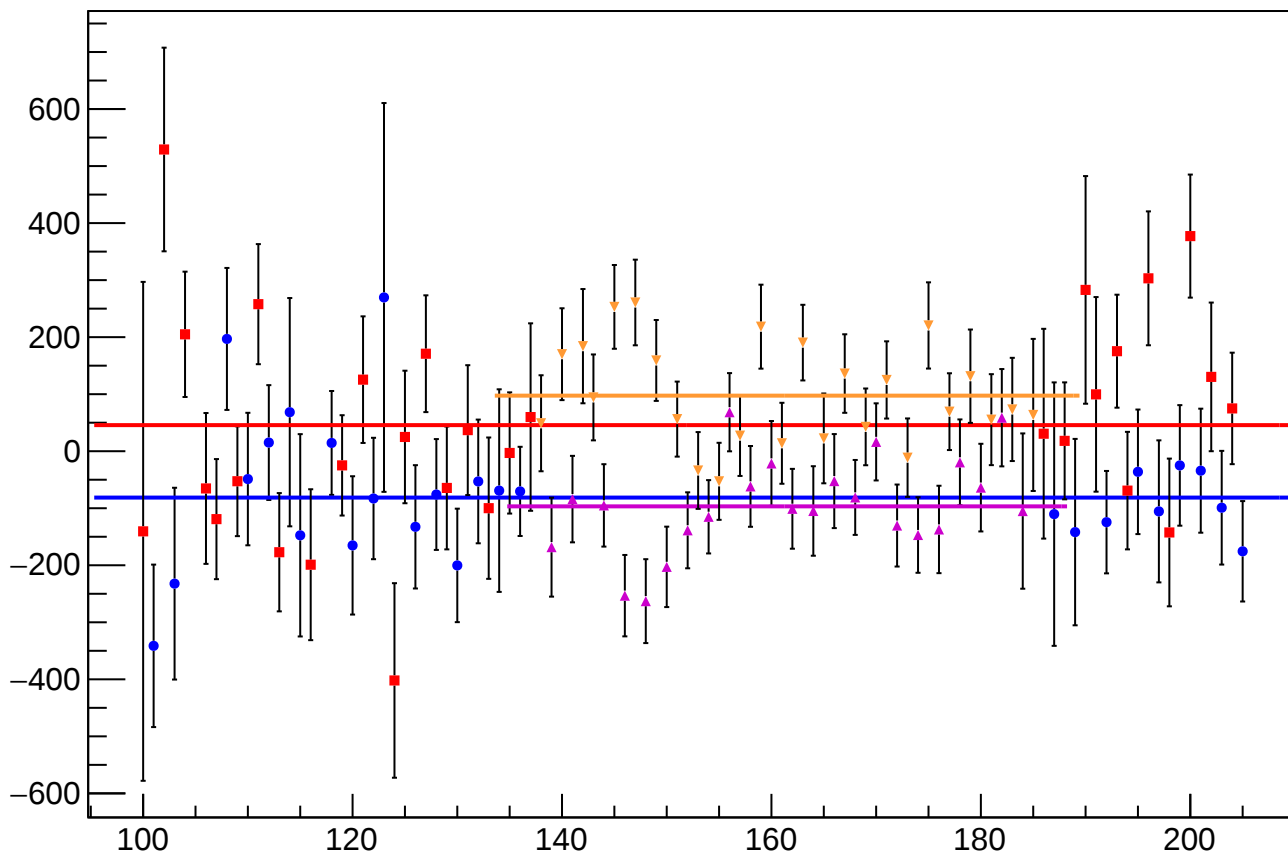
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1092.842+/-0.161 χ^2/NDF : 3582404.8/37

All: 1114.220+/-0.117 χ^2/NDF : 7593439.1/74

- sign 1137.809+/-0.169 χ^2/NDF : 3973904.1/36

reg_asym_sam7_mean vs Slug



Right In: -81.307 ± 22.535 $\chi^2/\text{NDF}: 17.5/25$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 45.745 ± 21.593 $\chi^2/\text{NDF}: 59.5/29$

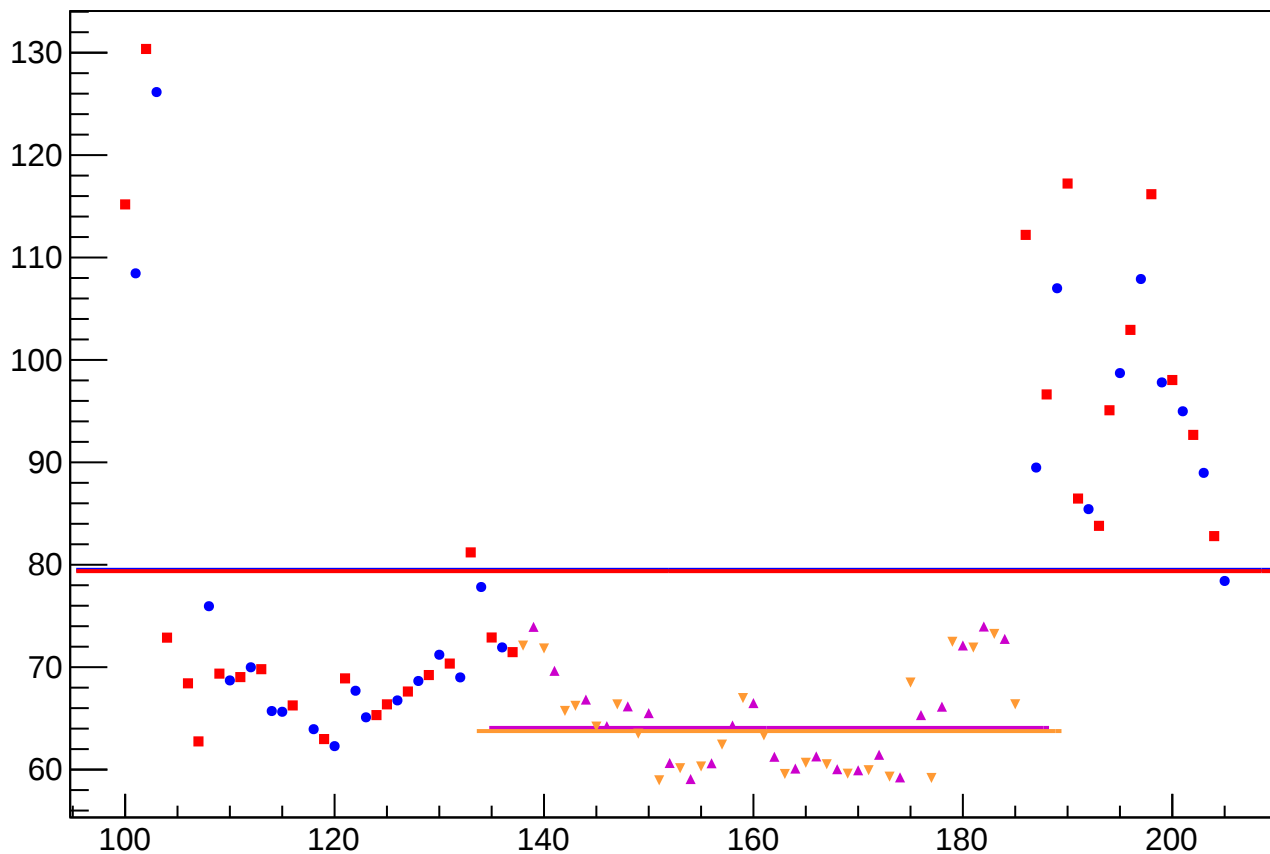
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 43.174 ± 12.417 $\chi^2/\text{NDF}: 97.3/50$

All: -2.430 ± 8.817 $\chi^2/\text{NDF}: 242.1/103$

- sign -48.803 ± 12.521 $\chi^2/\text{NDF}: 117.7/52$

reg_asym_sam7_rms vs Slug



Right In: 79.506 $\pm$ 0.016 χ^2 /NDF: 879986.8/25

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 79.377 $\pm$ 0.015 χ^2 /NDF: 1091071.4/29

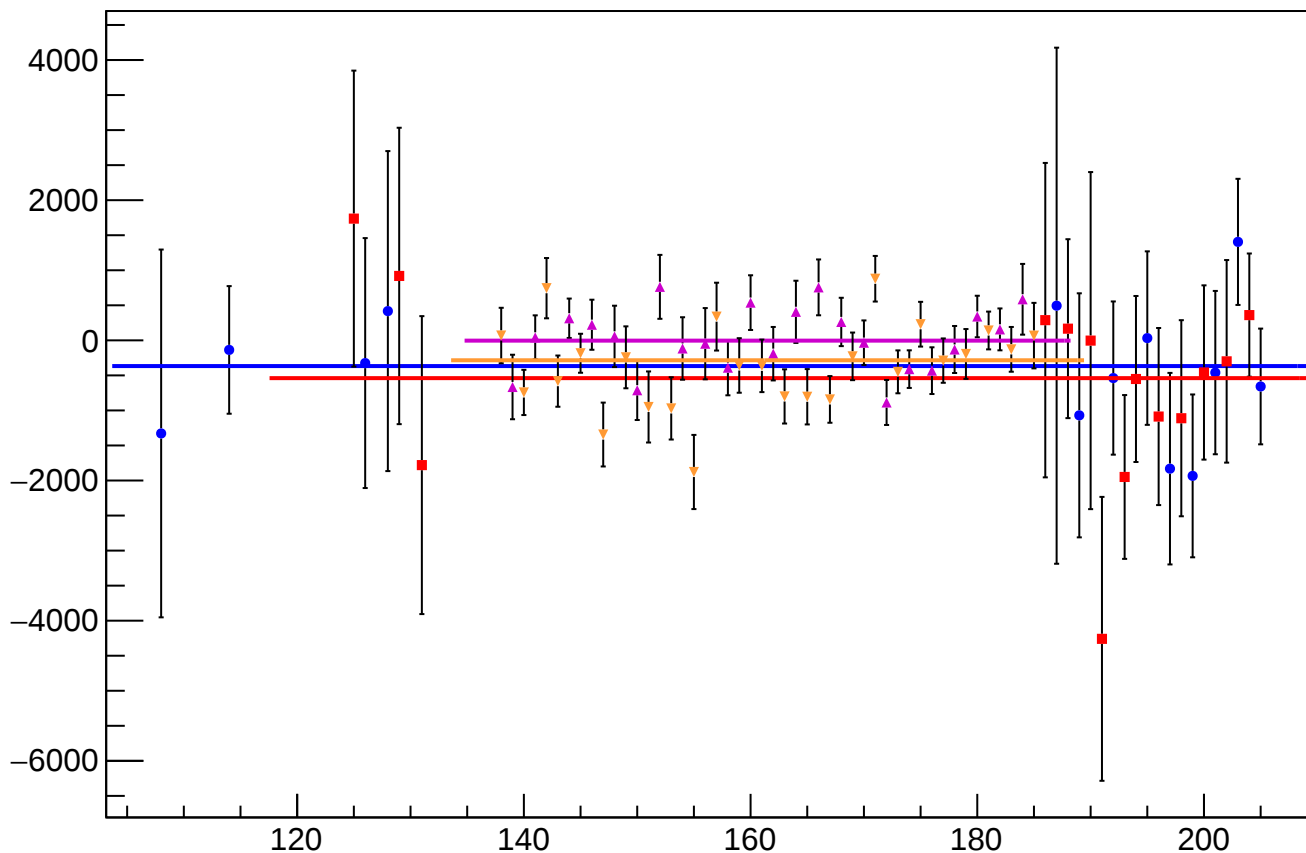
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 68.542 $\pm$ 0.009 χ^2 /NDF: 1752707.2/50

All: 68.876 $\pm$ 0.006 χ^2 /NDF: 3678624.9/103

- sign 69.216 $\pm$ 0.009 χ^2 /NDF: 1922988.2/52

asym_sam7_correction_mean vs Slug



Right In: -366.988 ± 343.687 χ^2/NDF : 7.6/12

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -539.202 ± 380.677 χ^2/NDF : 8.7/13

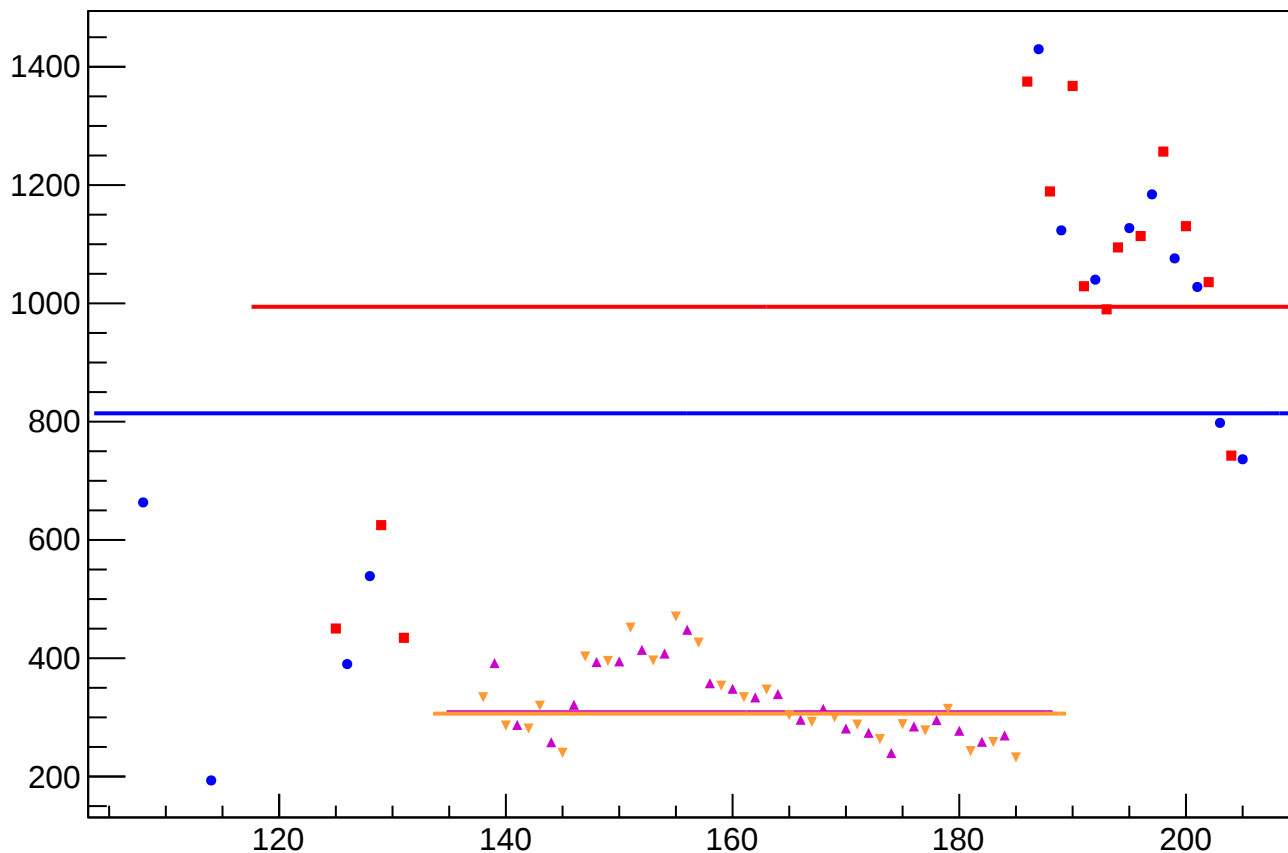
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -287.848 ± 71.156 χ^2/NDF : 62.7/37

All: -160.530 ± 51.179 χ^2/NDF : 112.4/74

- sign -24.077 ± 73.665 χ^2/NDF : 43.0/36

asym_sam7_correction_rms vs Slug



Right In: 814.110 $\pm$ 0.243 χ^2 /NDF: 1744733.5/12

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215669.9/24

Right Out: 994.203 $\pm$ 0.269 χ^2 /NDF: 777758.4/13

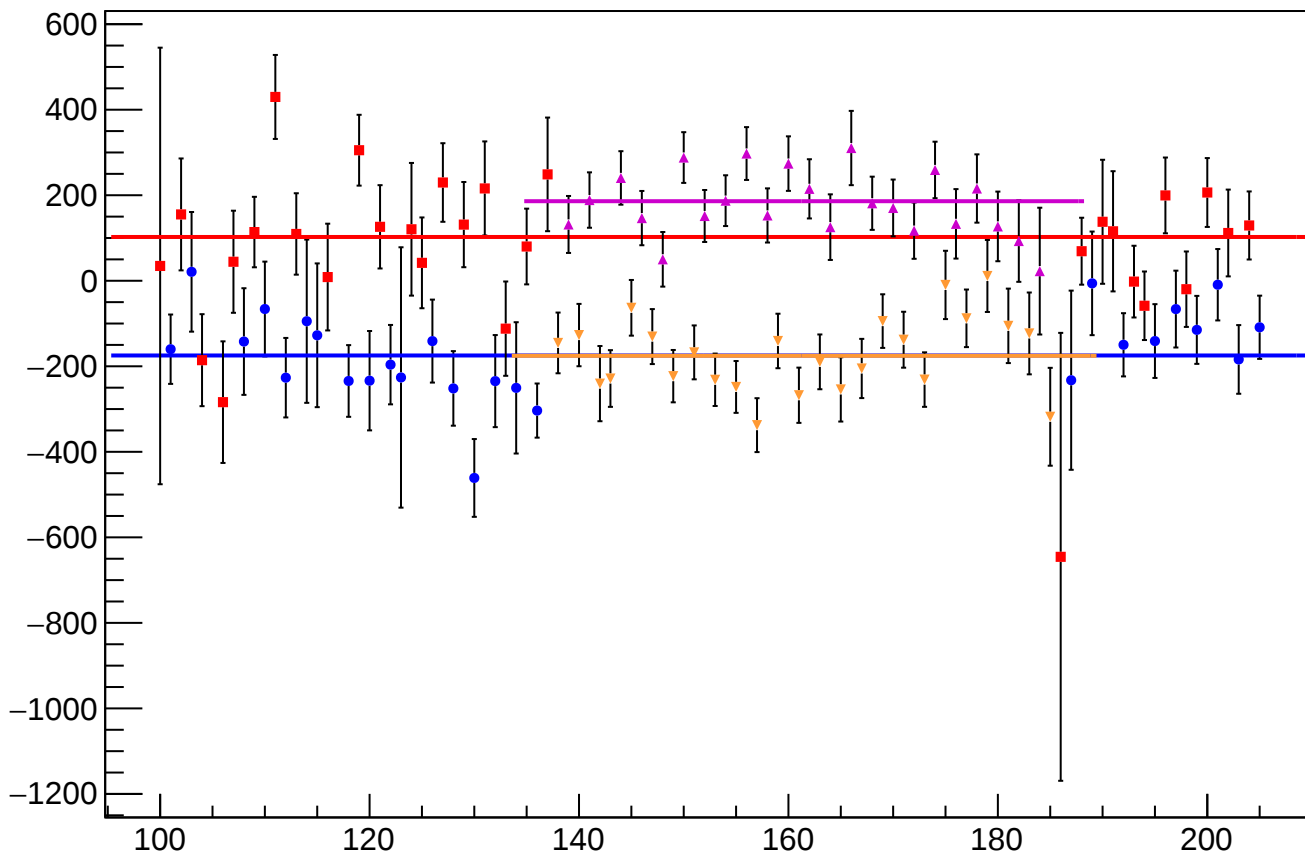
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

+ sign 328.127 $\pm$ 0.050 χ^2 /NDF: 7138426.9/37

All: 331.153 $\pm$ 0.036 χ^2 /NDF: 15168669.7/74

- sign 334.395 $\pm$ 0.052 χ^2 /NDF: 8022752.5/36

reg_asym_sam8_mean vs Slug



Right In: -174.717 ± 18.967 $\chi^2/\text{NDF}: 29.0/25$

Left Out: -175.471 ± 13.846 $\chi^2/\text{NDF}: 34.6/24$

Right Out: 102.391 ± 18.661 $\chi^2/\text{NDF}: 54.0/29$

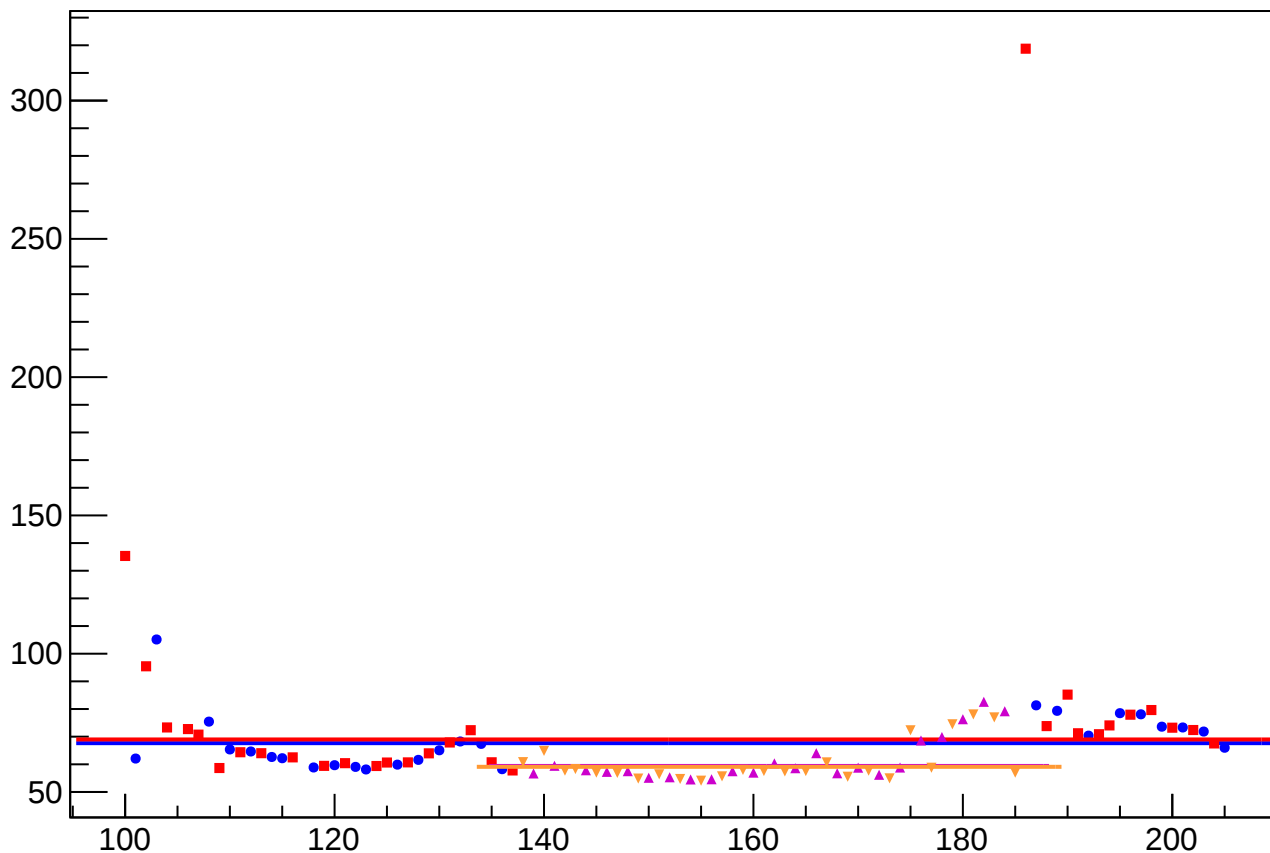
Left In: 186.047 ± 14.315 $\chi^2/\text{NDF}: 23.6/22$

+ sign -175.209 ± 11.183 $\chi^2/\text{NDF}: 63.6/50$

All: -12.643 ± 7.969 $\chi^2/\text{NDF}: 583.1/103$

- sign 155.055 ± 11.358 $\chi^2/\text{NDF}: 90.2/52$

reg_asym_sam8_rms vs Slug



Right In: 67.650 $\pm$ 0.013 χ^2 /NDF: 401362.3/25

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.991 $\pm$ 0.013 χ^2 /NDF: 839531.3/29

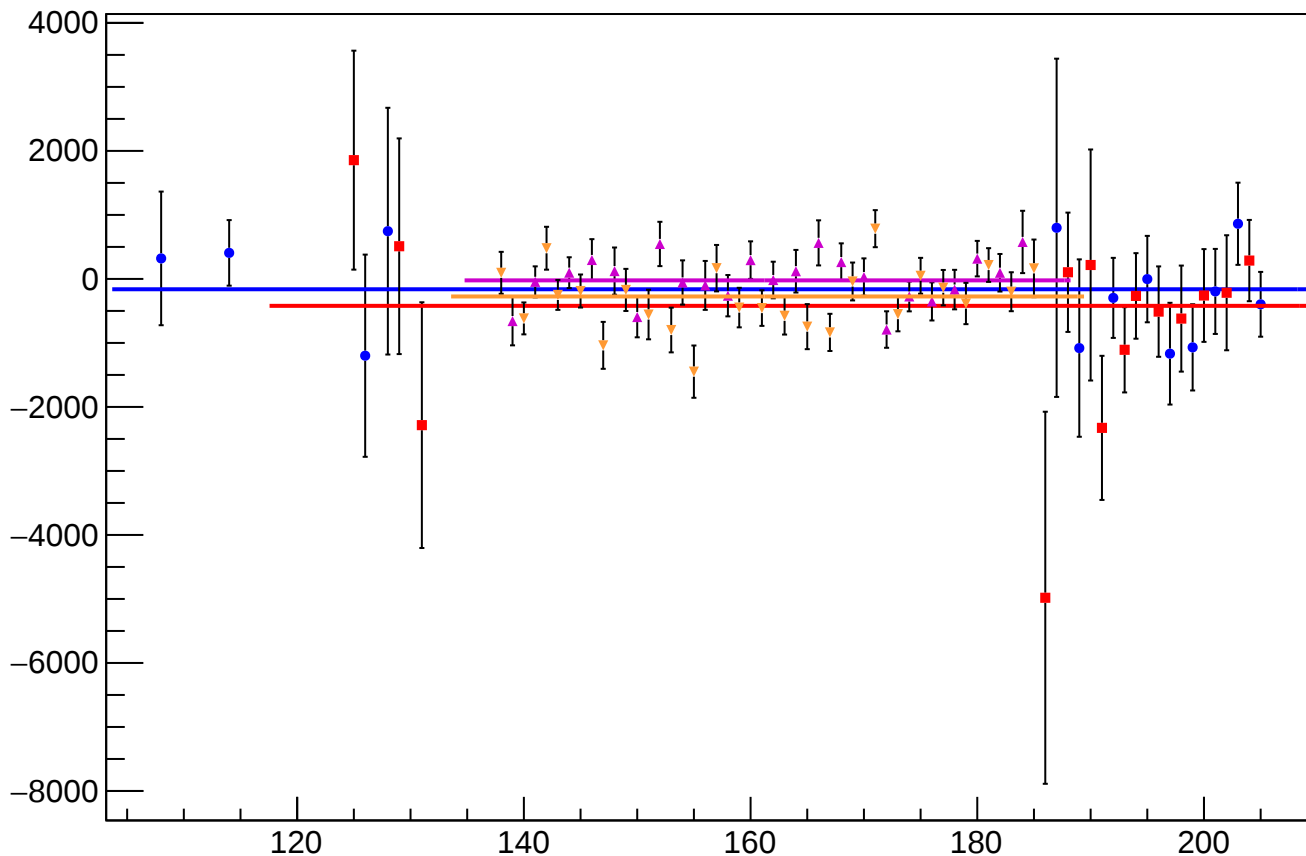
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.072 $\pm$ 0.008 χ^2 /NDF: 1036330.1/50

All: 62.509 $\pm$ 0.006 χ^2 /NDF: 2586999.5/103

- sign 62.960 $\pm$ 0.008 χ^2 /NDF: 1544463.9/52

asym_sam8_correction_mean vs Slug



Right In: -161.672 ± 207.644 χ^2/NDF : 8.9/12

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -420.655 ± 243.187 χ^2/NDF : 11.3/13

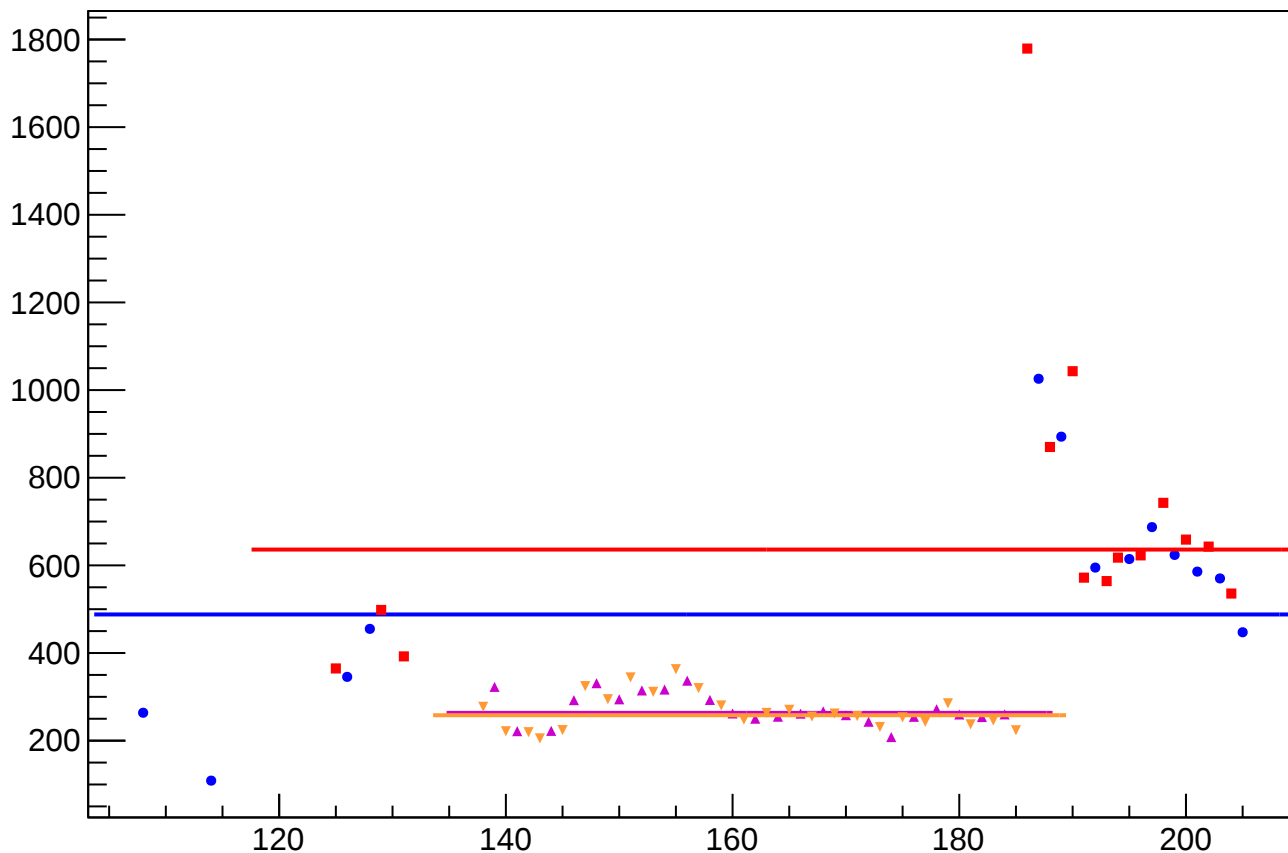
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -265.214 ± 58.349 χ^2/NDF : 63.1/37

All: -162.503 ± 42.352 χ^2/NDF : 112.4/74

- sign -48.144 ± 61.570 χ^2/NDF : 42.7/36

asym_sam8_correction_rms vs Slug



Right In: 488.001 ± 0.147 χ^2/NDF : 1883887.7/12

Left Out: 258.040 ± 0.043 χ^2/NDF : 724823.3/24

Right Out: 636.081 ± 0.172 χ^2/NDF : 750359.7/13

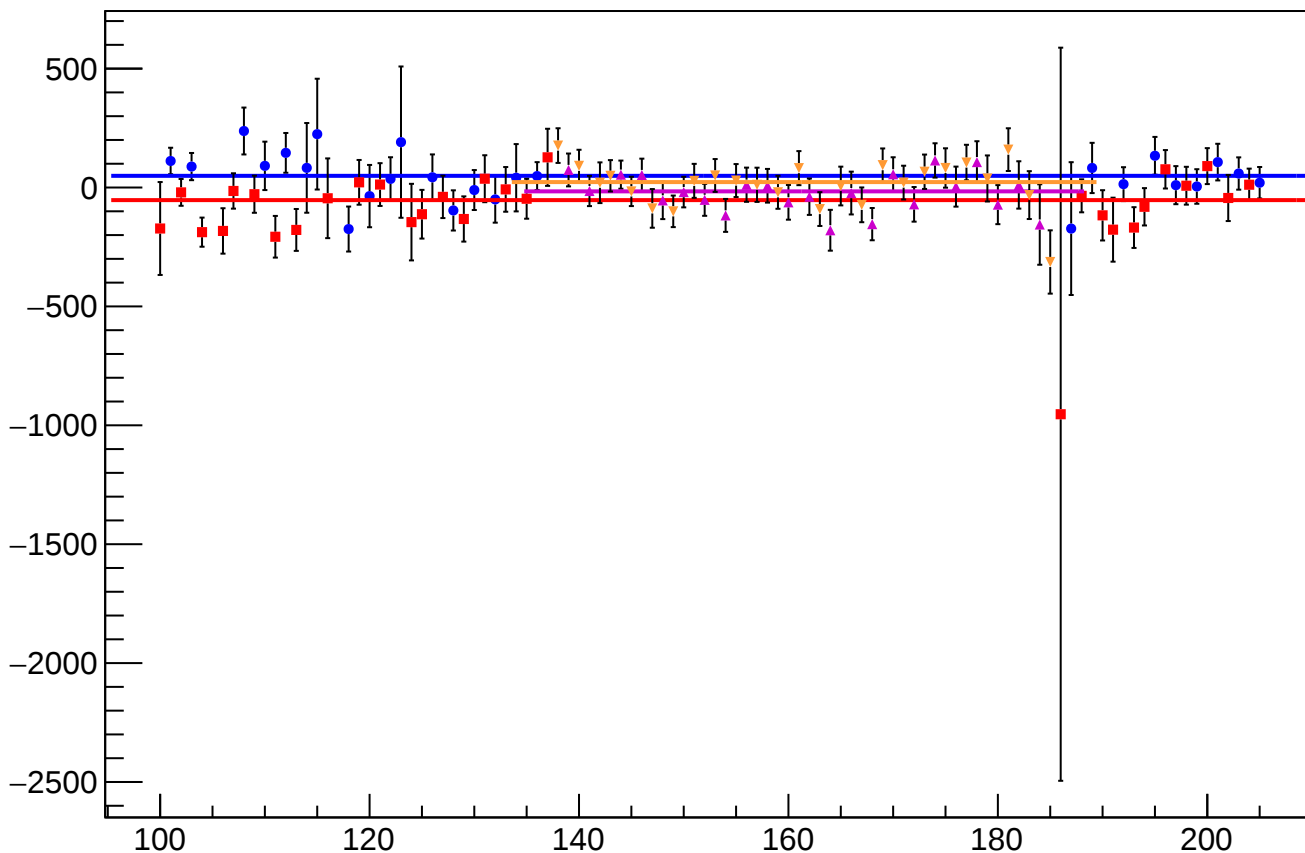
Left In: 263.397 ± 0.045 χ^2/NDF : 585600.2/22

+ sign 276.199 ± 0.041 χ^2/NDF : 4868029.0/37

All: 281.445 ± 0.030 χ^2/NDF : 10634190.8/74

- sign 287.285 ± 0.044 χ^2/NDF : 5731999.7/36

reg_asym_sam_15_avg_mean vs Slug



Right In: 49.168 $\pm$ 16.733 χ^2 /NDF: 21.7/25

Left Out: 22.871 $\pm$ 14.968 χ^2 /NDF: 29.0/24

Right Out: -52.988 $\pm$ 16.107 χ^2 /NDF: 30.0/29

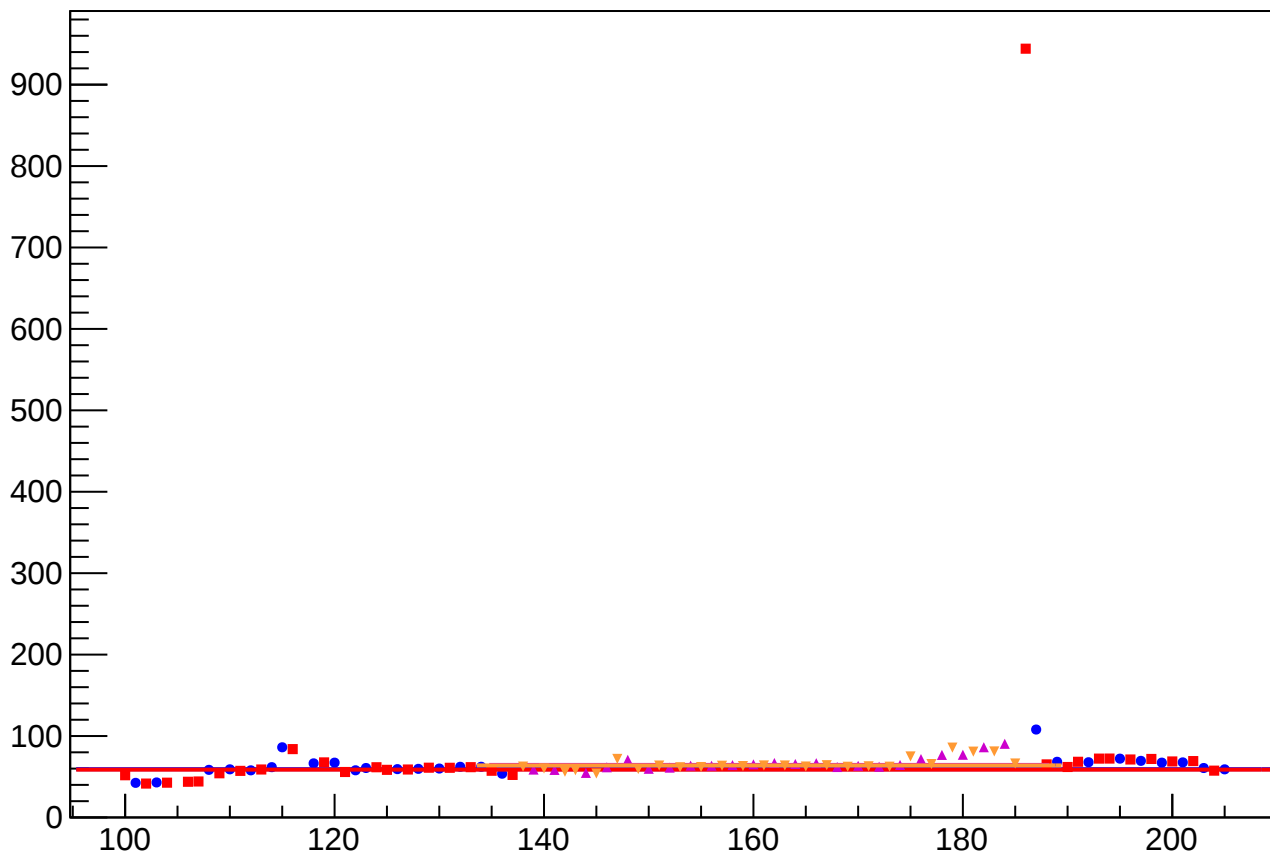
Left In: -16.198 $\pm$ 15.531 χ^2 /NDF: 23.3/22

+ sign 34.560 $\pm$ 11.156 χ^2 /NDF: 52.1/50

All: 0.393 $\pm$ 7.897 χ^2 /NDF: 126.9/103

- sign -33.923 $\pm$ 11.180 χ^2 /NDF: 56.0/52

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.274 $\pm$ 0.012 χ^2 /NDF: 650879.5/25

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 58.728 $\pm$ 0.011 χ^2 /NDF: 1493814.3/29

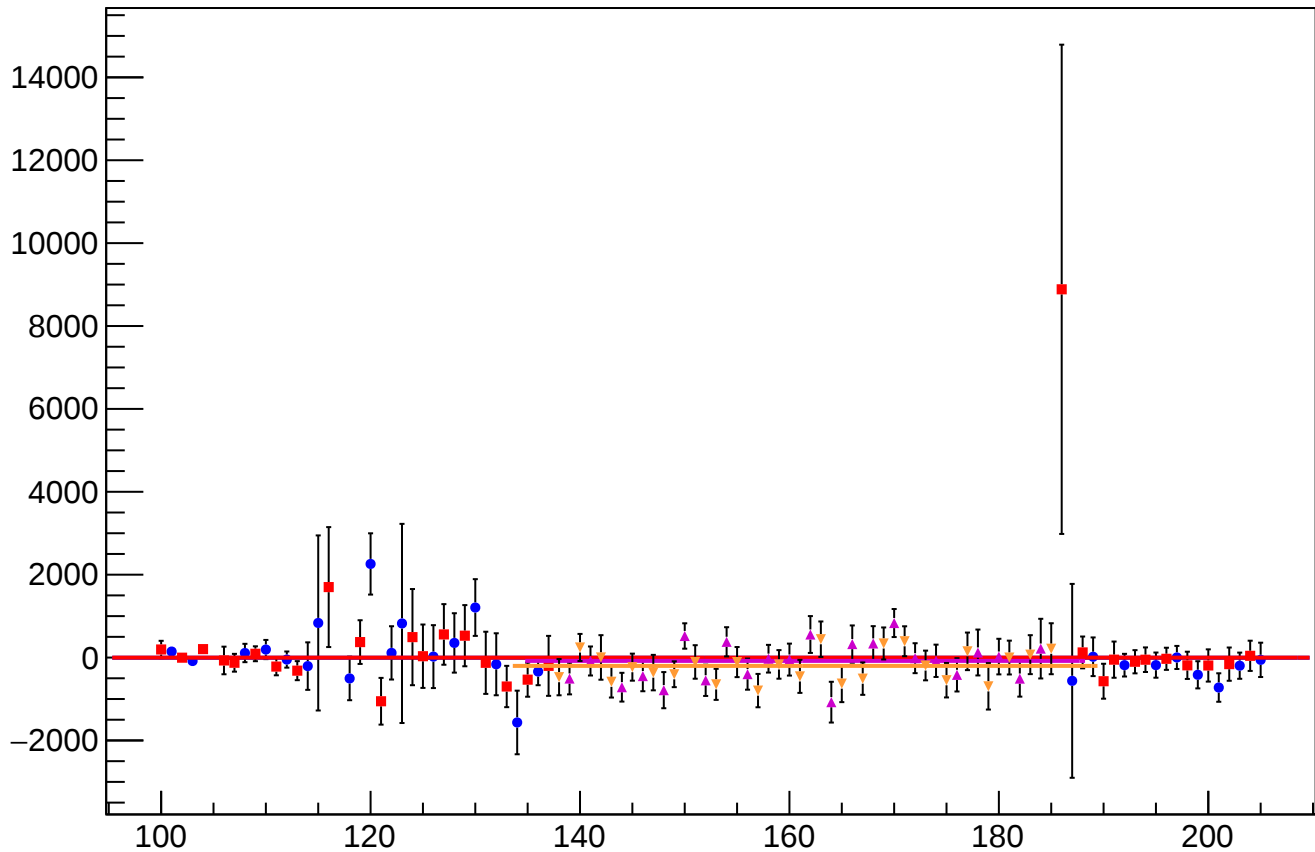
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.855 $\pm$ 0.008 χ^2 /NDF: 1131936.6/50

All: 61.790 $\pm$ 0.006 χ^2 /NDF: 3130002.4/103

- sign 61.725 $\pm$ 0.008 χ^2 /NDF: 1997929.9/52

asym_sam_15_avg_correction_mean vs Slug



Right In: -4.458 ± 47.055 χ^2/NDF : 31.7/25

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -1.832 ± 47.804 χ^2/NDF : 24.1/29

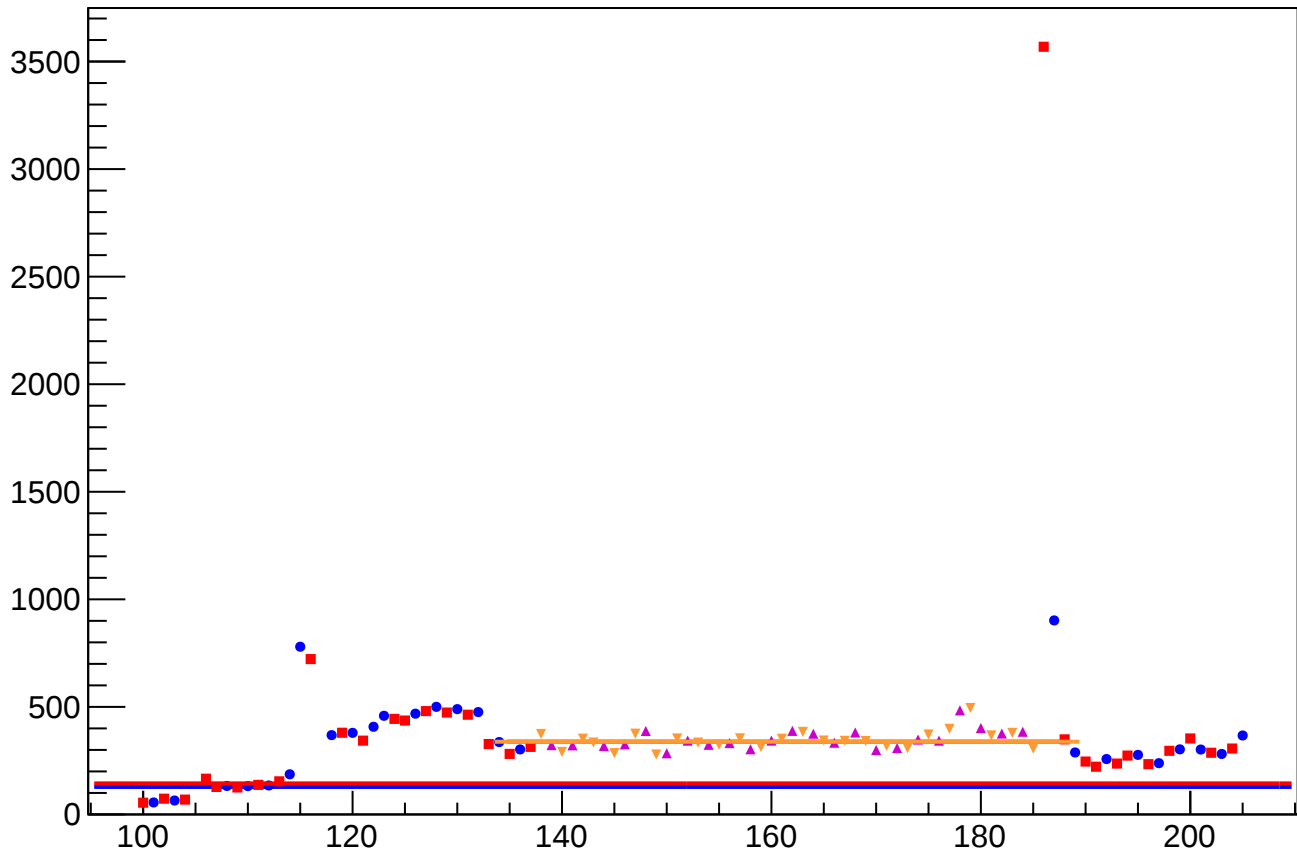
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -55.423 ± 40.500 χ^2/NDF : 55.9/50

All: -38.897 ± 28.906 χ^2/NDF : 114.4/103

- sign -21.735 ± 41.271 χ^2/NDF : 58.2/52

asym_sam_15_avg_correction_rms vs Slug



Right In: 127.939+/-0.033 χ^2/NDF : 10441485.0/25

Left Out: 338.130+/-0.056 χ^2/NDF :498601.7/24

+ sign 182.421+/-0.029 χ^2/NDF : 21284149.7/50

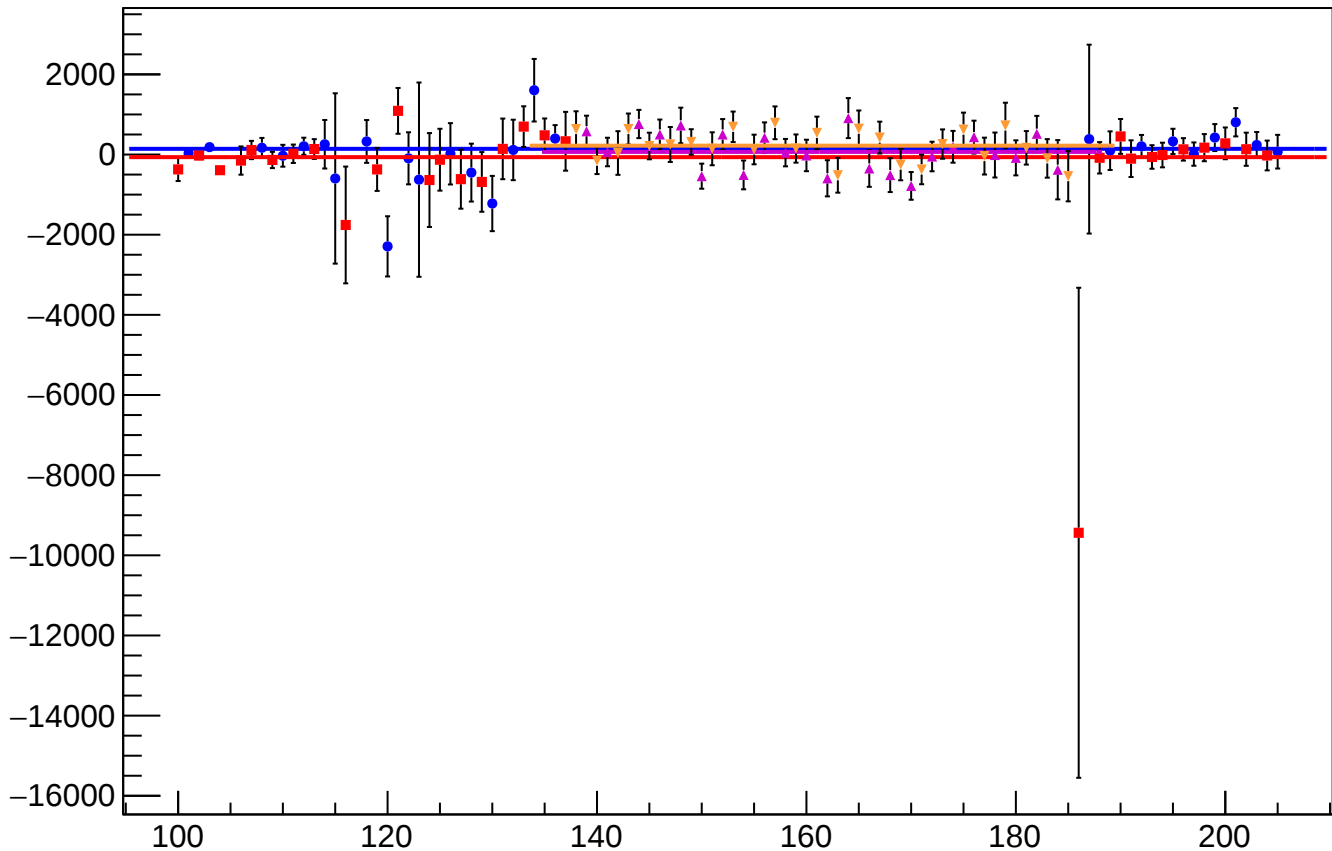
Right Out: 144.454+/-0.034 χ^2/NDF : 9621651.7/29

All: 188.046+/-0.020 χ^2/NDF : 39819584.2/10

- sign 193.888+/-0.029 χ^2/NDF : 18456783.2/52

Left In: 338.564+/-0.058 χ^2/NDF :437243.0/22

asym_sam_15_avg_mean vs Slug



Right In: 142.706 $\pm$ 55.777 χ^2 /NDF: 26.3/25

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -64.989 $\pm$ 53.487 χ^2 /NDF: 27.4/29

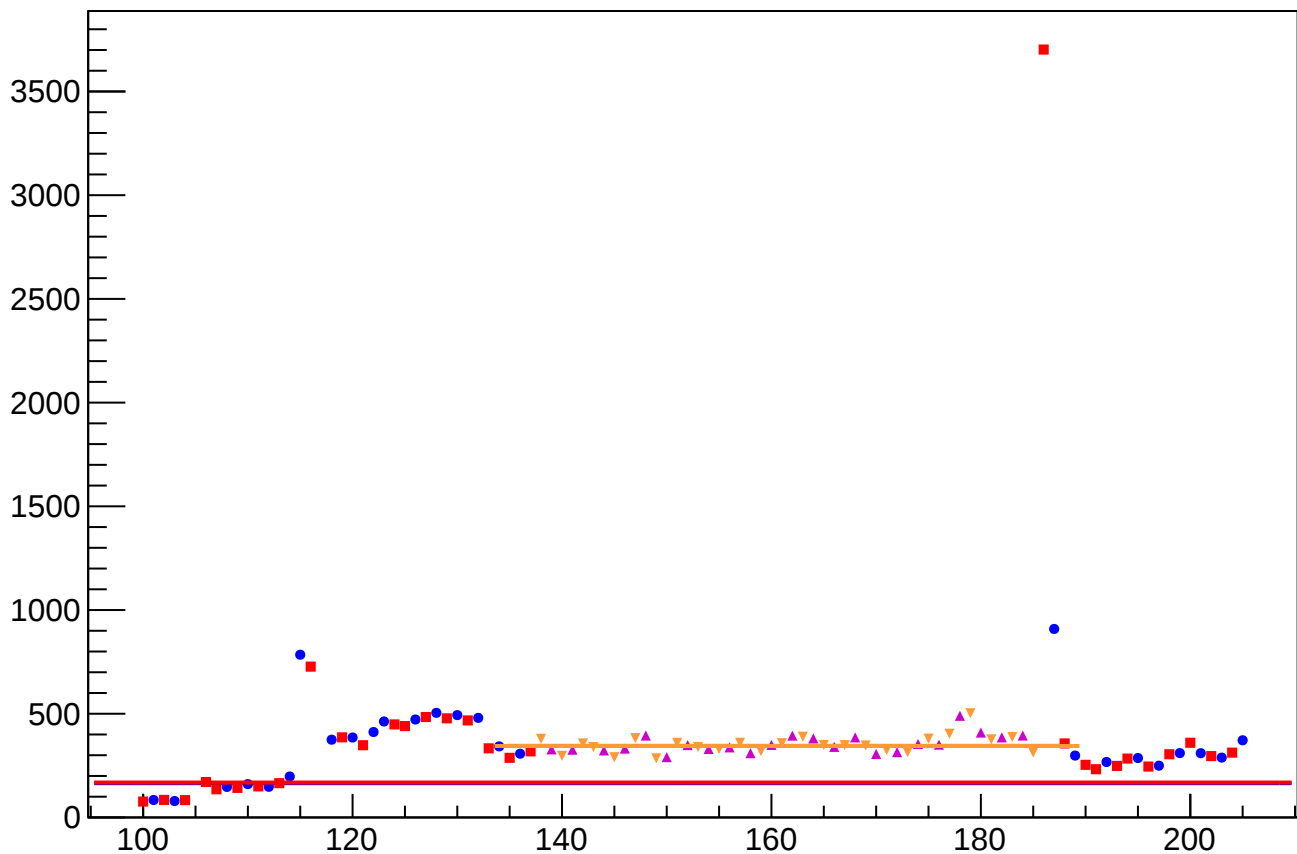
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 167.909 $\pm$ 45.942 χ^2 /NDF: 46.7/50

All: 68.506 $\pm$ 32.152 χ^2 /NDF: 119.0/103

- sign -26.905 $\pm$ 45.011 χ^2 /NDF: 63.1/52

asym_sam_15_avg_rms vs Slug



Right In: 165.287 $\pm$ 0.039 χ^2 /NDF: 7964521.7/25

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 168.330 $\pm$ 0.038 χ^2 /NDF: 8120933.2/29

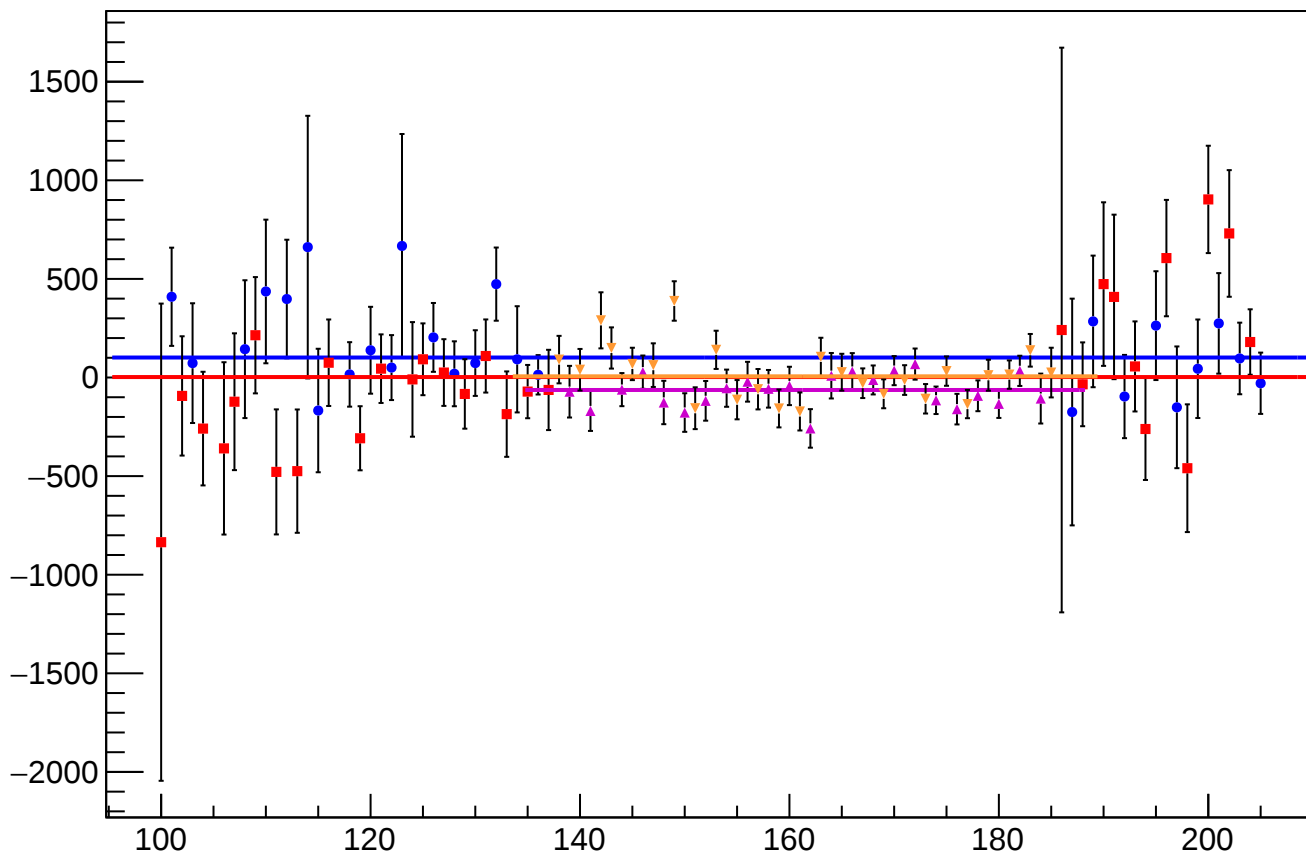
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 222.916 $\pm$ 0.032 χ^2 /NDF: 15092461.1/50

All: 221.377 $\pm$ 0.023 χ^2 /NDF: 30015992.9/10

- sign 219.900 $\pm$ 0.032 χ^2 /NDF: 14919134.0/52

reg_asym_sam_26_avg_mean vs Slug



Right In: 101.339 $\pm$ 41.726 χ^2 /NDF: 15.3/25

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: 2.301 $\pm$ 42.715 χ^2 /NDF: 40.0/29

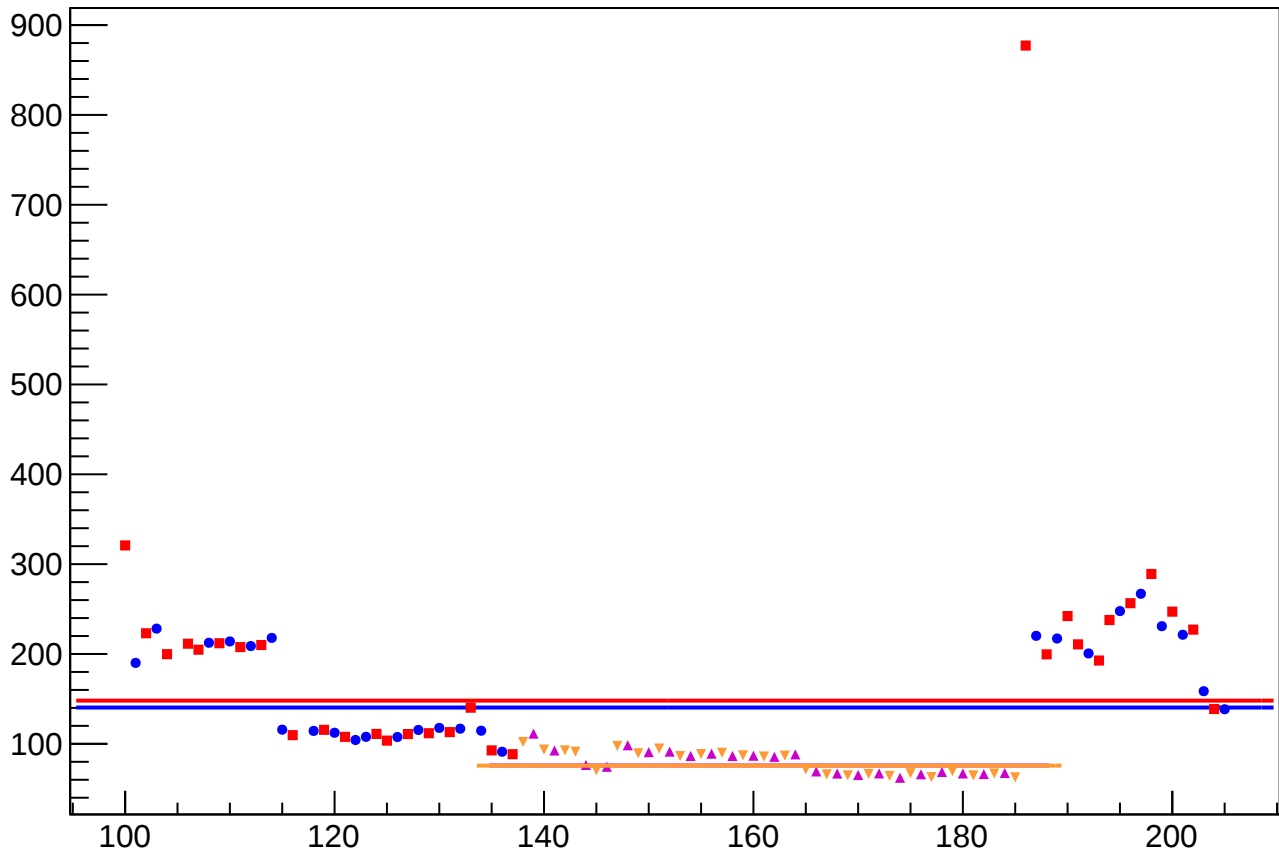
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

+ sign 20.849 $\pm$ 16.458 χ^2 /NDF: 65.7/50

All: -15.007 $\pm$ 11.803 χ^2 /NDF: 137.3/103

- sign -52.971 $\pm$ 16.935 χ^2 /NDF: 61.8/52

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.409 $\pm$ 0.030 χ^2 /NDF: 2864344.5/25

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 148.097 $\pm$ 0.030 χ^2 /NDF: 3874053.2/29

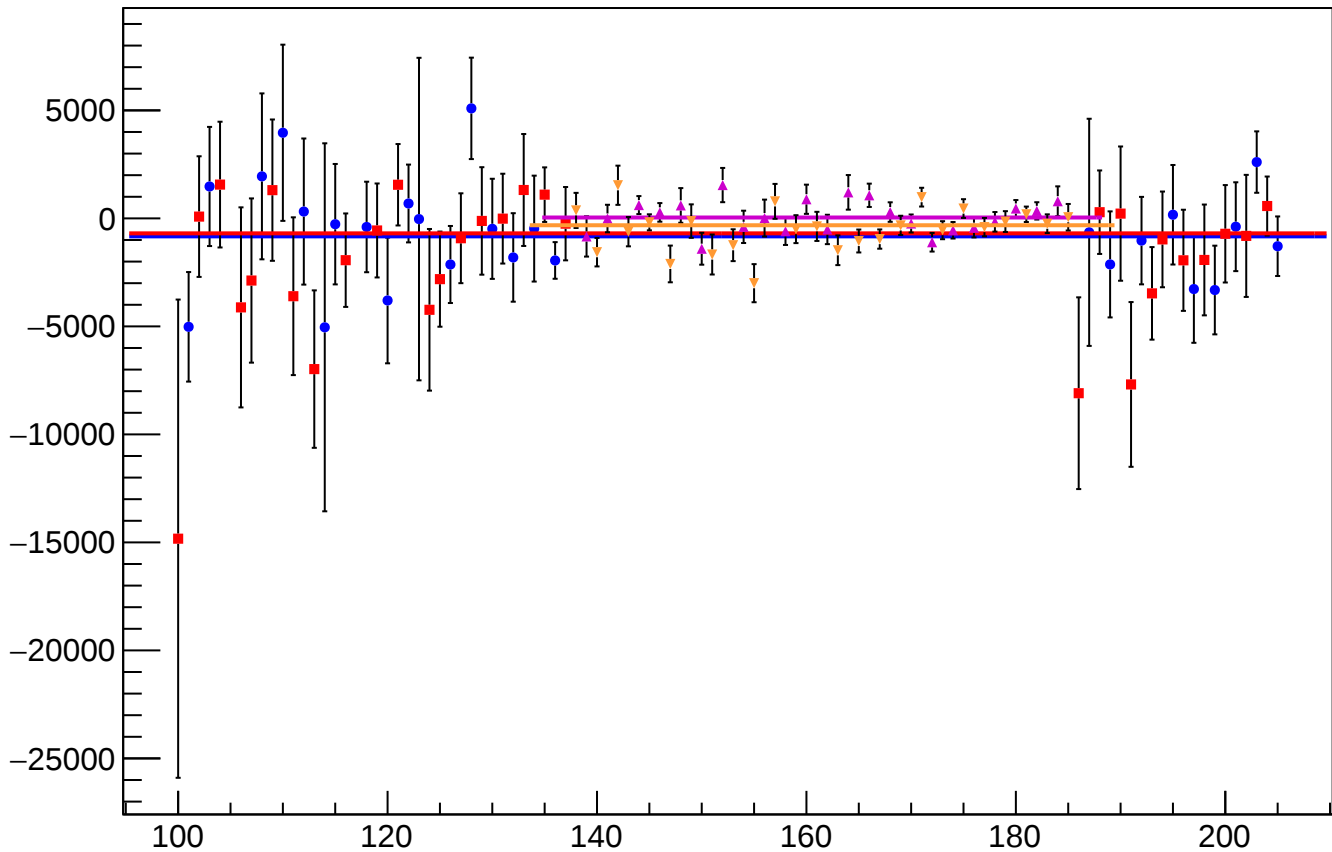
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 85.803 $\pm$ 0.012 χ^2 /NDF: 7858569.7/50

All: 86.509 $\pm$ 0.008 χ^2 /NDF: 17385765.6/103

- sign 87.256 $\pm$ 0.012 χ^2 /NDF: 9519627.6/52

asym_sam_26_avg_correction_mean vs Slug



Right In: -832.635 ± 405.422 χ^2/NDF : 25.4/25

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -693.101 ± 428.345 χ^2/NDF : 23.2/29

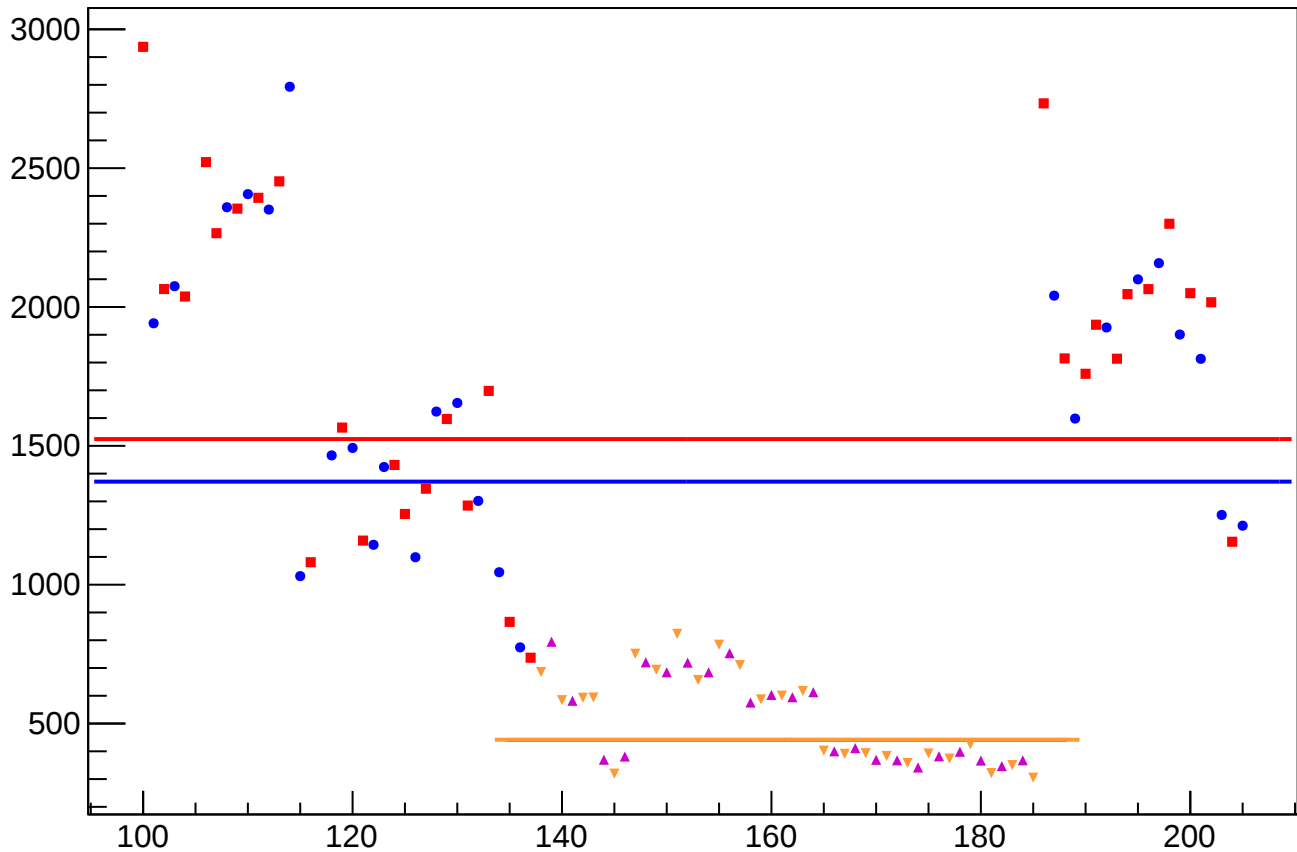
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -352.168 ± 104.373 χ^2/NDF : 76.9/50

All: -182.581 ± 74.637 χ^2/NDF : 142.9/103

- sign -5.107 ± 106.772 χ^2/NDF : 60.6/52

asym_sam_26_avg_correction_rms vs Slug



Right In: 1371.133+/-0.287 χ^2/NDF : 2779285.5/25

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

+ sign 503.285+/-0.074 χ^2/NDF : 15763298.0/50

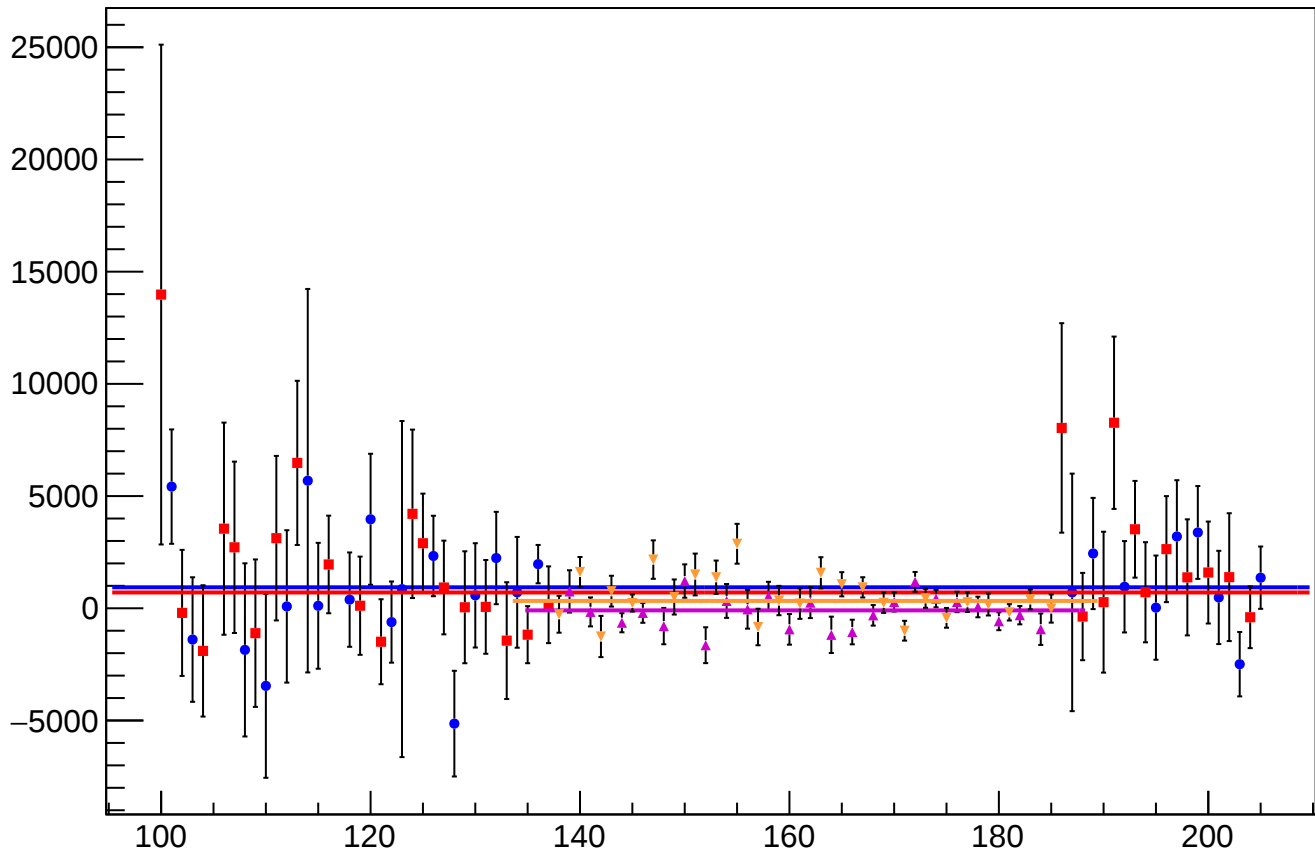
Right Out: 1524.401+/-0.303 χ^2/NDF : 2907862.9/29

All: 505.748+/-0.053 χ^2/NDF : 33269734.5/10

Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

- sign 508.324+/-0.075 χ^2/NDF : 17504158.8/52

asym_sam_26_avg_mean vs Slug



Right In: 934.569 ± 408.076 $\chi^2/\text{NDF}: 25.6/25$

Left Out: 328.599 ± 109.668 $\chi^2/\text{NDF}: 47.7/24$

Right Out: 704.706 ± 431.121 $\chi^2/\text{NDF}: 22.9/29$

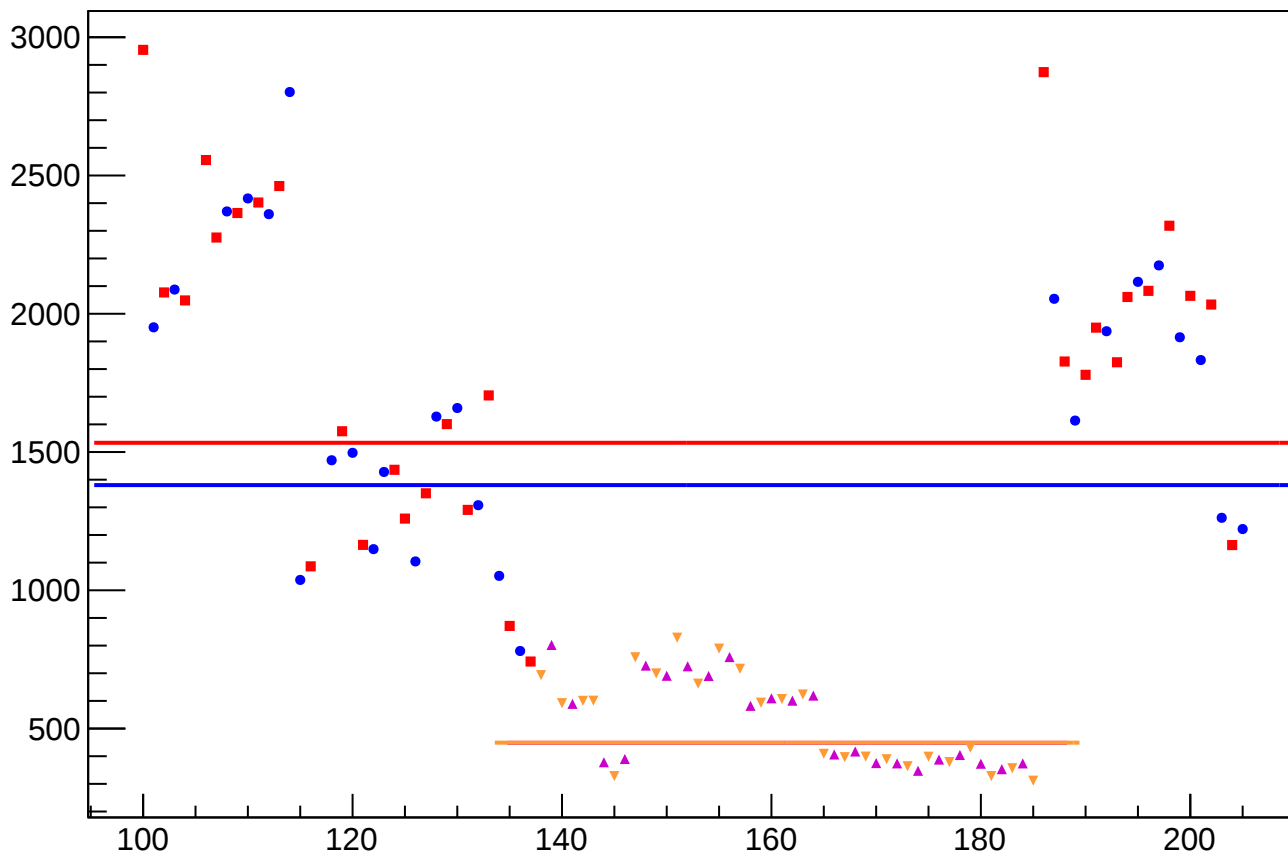
Left In: -93.310 ± 111.960 $\chi^2/\text{NDF}: 33.3/22$

+ sign 369.416 ± 105.910 $\chi^2/\text{NDF}: 75.3/50$

All: 167.986 ± 75.743 $\chi^2/\text{NDF}: 142.2/103$

- sign -42.892 ± 108.365 $\chi^2/\text{NDF}: 59.5/52$

asym_sam_26_avg_rms vs Slug



Right In: 1380.402+/-0.289 χ^2/NDF : 2771110.6/25

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1533.457+/-0.305 χ^2/NDF : 2927750.4/29

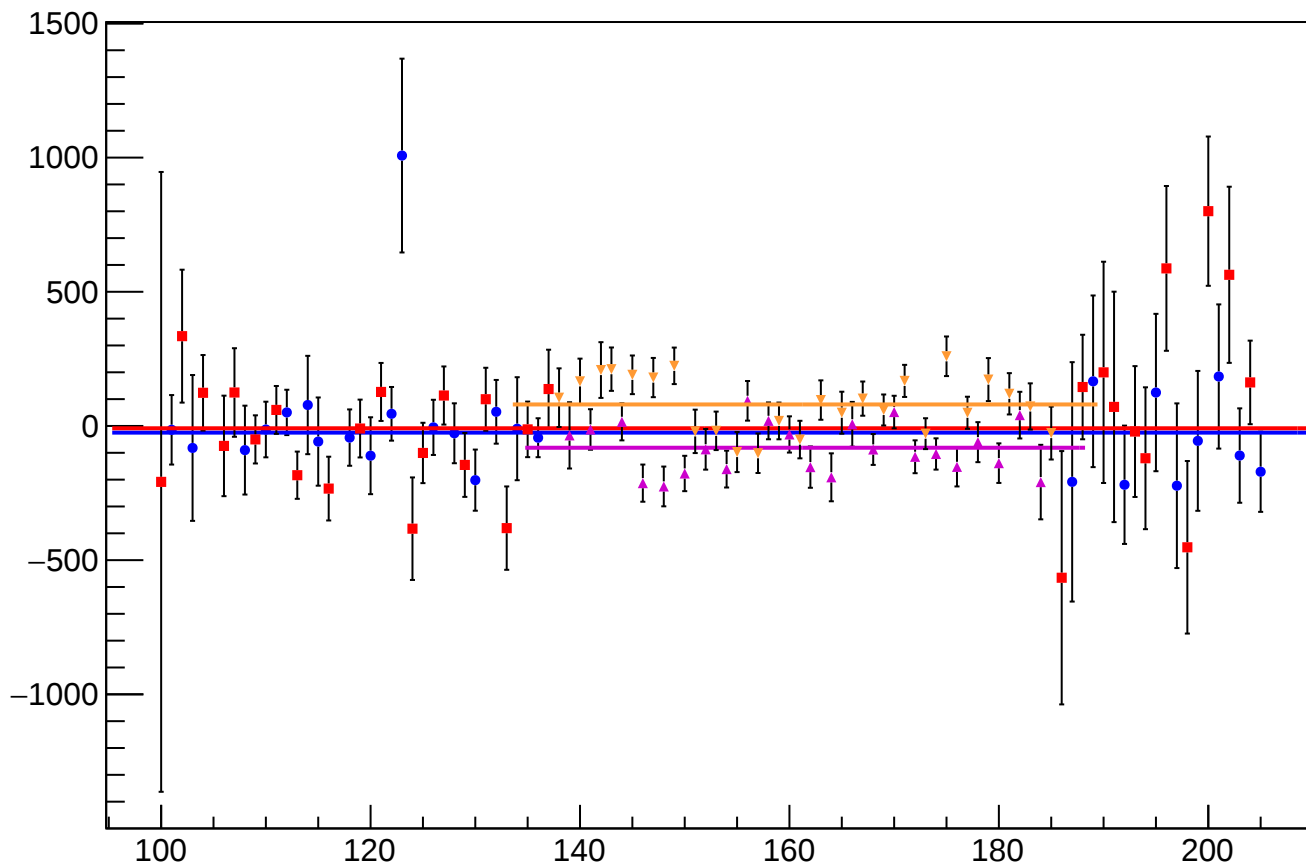
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 511.753+/-0.075 χ^2/NDF : 15578349.6/50

All: 514.252+/-0.054 χ^2/NDF : 32916191.5/10

- sign 516.867+/-0.077 χ^2/NDF : 17335564.1/52

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.782 ± 27.115 $\chi^2/\text{NDF}: 17.2/25$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -8.619 ± 26.462 $\chi^2/\text{NDF}: 49.0/29$

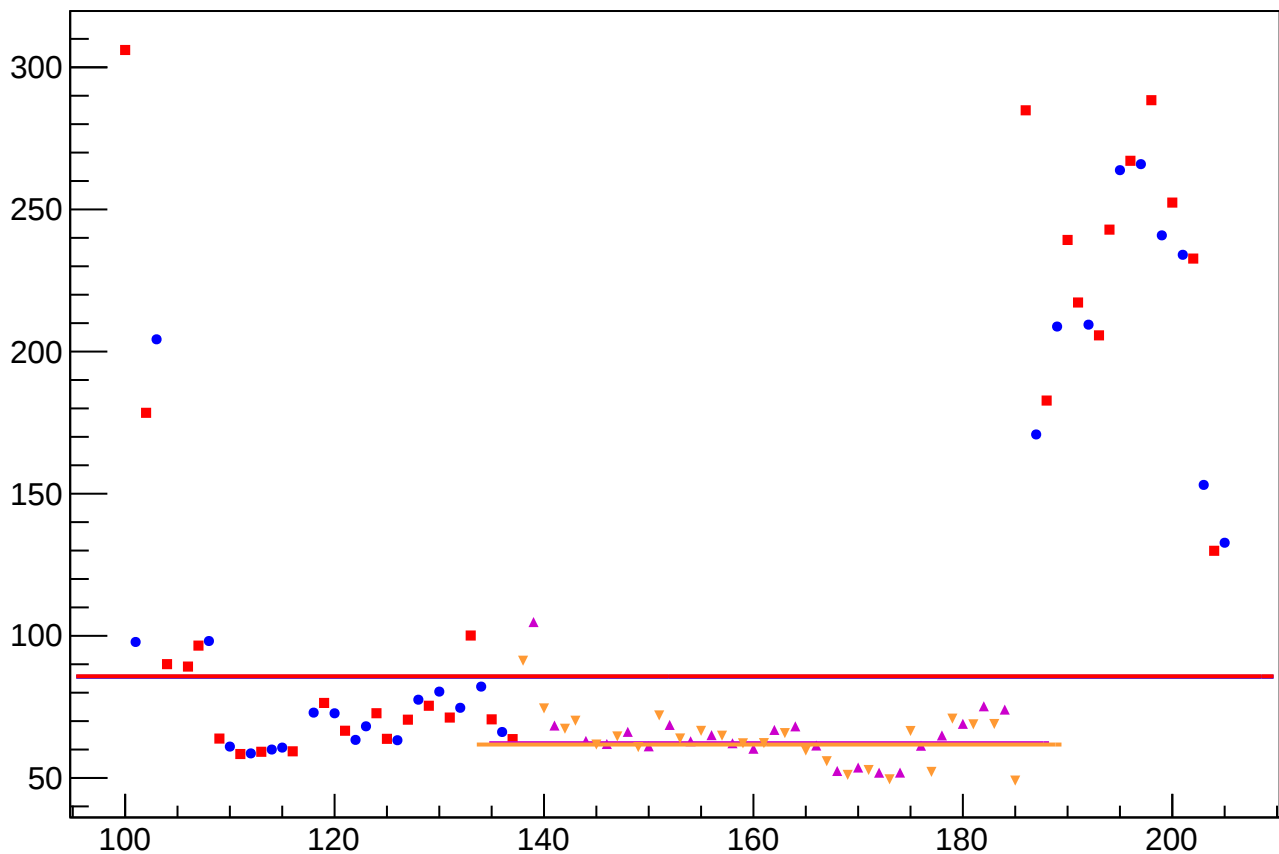
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 56.601 ± 12.850 $\chi^2/\text{NDF}: 77.3/50$

All: -2.122 ± 9.180 $\chi^2/\text{NDF}: 210.0/103$

- sign -63.329 ± 13.119 $\chi^2/\text{NDF}: 90.0/52$

reg_asym_sam_37_avg_rms vs Slug



Right In: 85.609 $\pm$ 0.019 χ^2 /NDF: 5475644.0/25

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 85.775 $\pm$ 0.019 χ^2 /NDF: 6586874.1/29

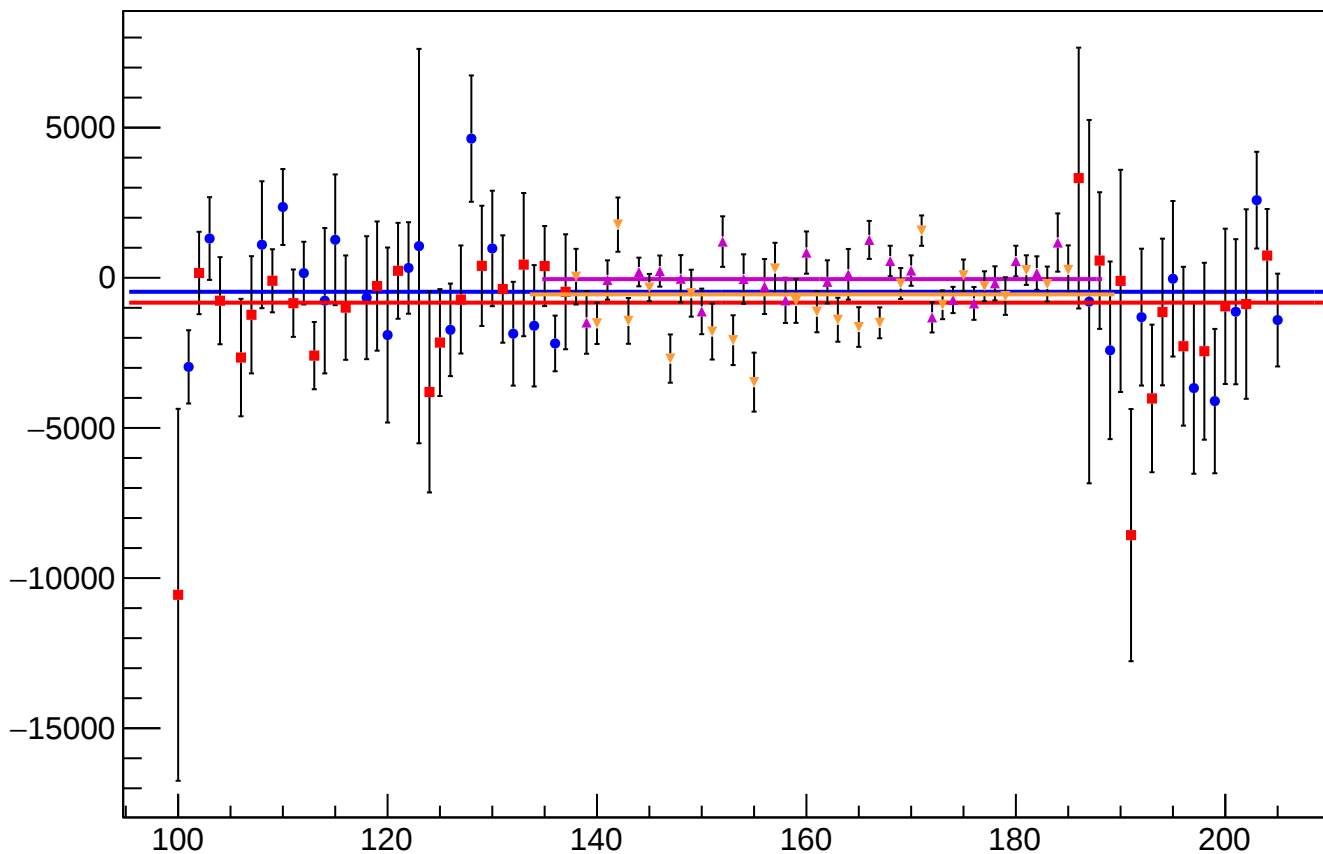
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 67.117 $\pm$ 0.009 χ^2 /NDF: 7320835.0/50

All: 67.565 $\pm$ 0.006 χ^2 /NDF: 15695947.8/103

- sign 68.032 $\pm$ 0.009 χ^2 /NDF: 8370148.6/52

asym_sam_37_avg_correction_mean vs Slug



Right In: -466.166 ± 341.530 χ^2/NDF : 32.7/25

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -827.943 ± 334.904 χ^2/NDF : 18.4/29

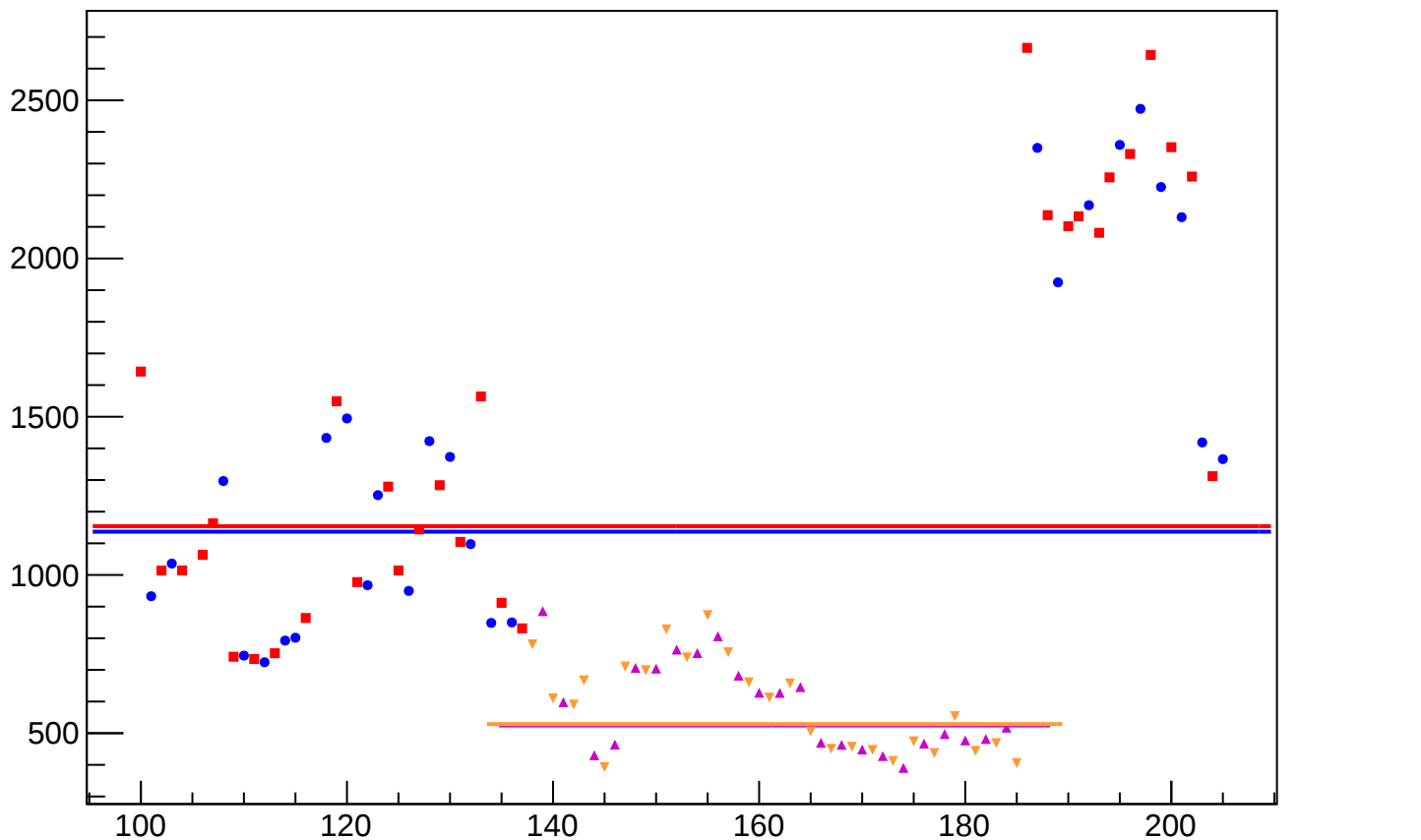
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -542.024 ± 119.021 χ^2/NDF : 98.0/50

All: -346.344 ± 84.663 χ^2/NDF : 156.2/103

- sign -145.917 ± 120.455 χ^2/NDF : 52.7/52

asym_sam_37_avg_correction_rms vs Slug



Right In: 1136.740 $\pm$ 0.241 χ^2 /NDF: 3467777.3/25

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF: 1983697.7/24

Right Out: 1154.124 $\pm$ 0.237 χ^2 /NDF: 4405537.6/29

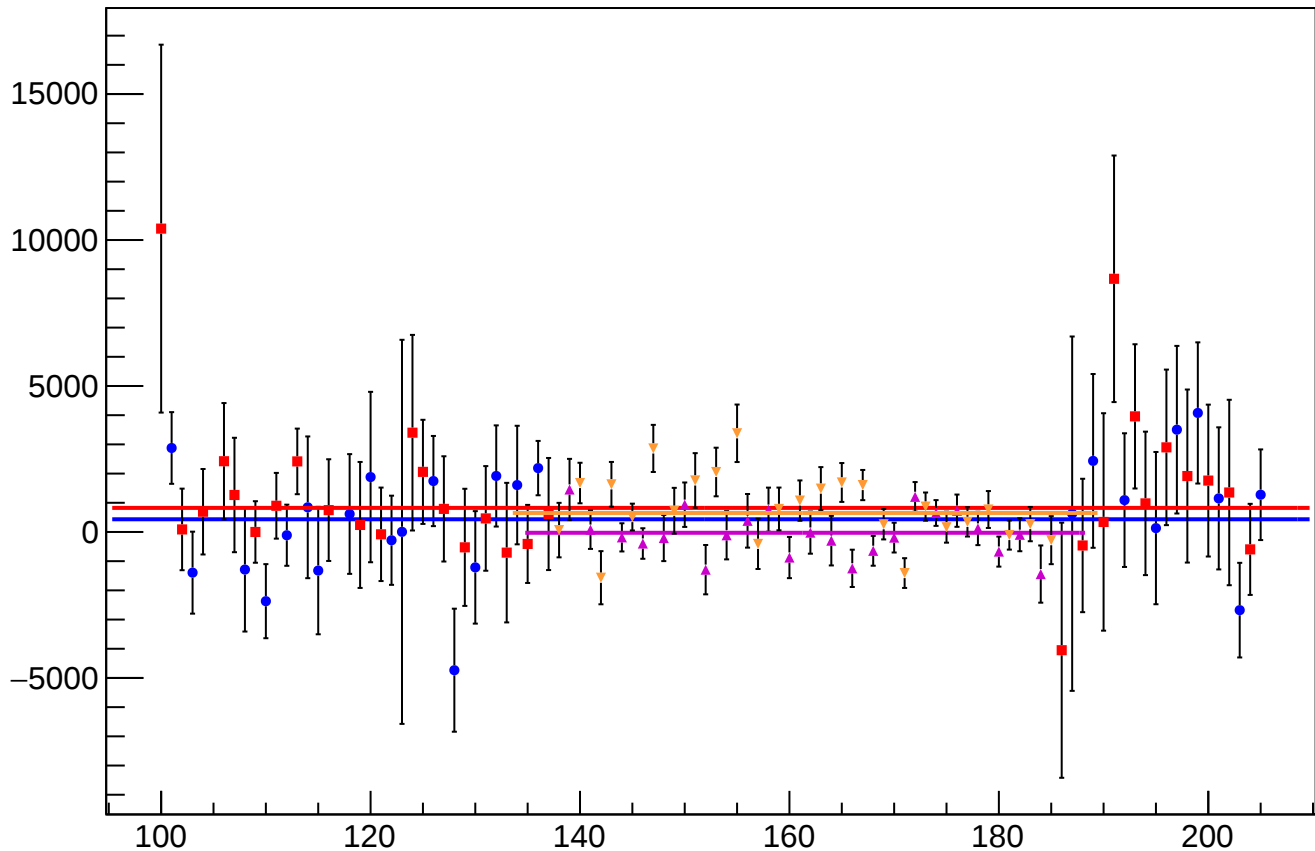
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF: 1716257.3/22

+ sign 602.576 $\pm$ 0.084 χ^2 /NDF: 11020177.7/50

All: 604.143 $\pm$ 0.060 χ^2 /NDF: 23301641.3/10

- sign 605.748 $\pm$ 0.085 χ^2 /NDF: 12280761.8/52

asym_sam_37_avg_mean vs Slug



Right In: 434.750 ± 343.173 $\chi^2/\text{NDF}: 32.7/25$

Left Out: 651.560 ± 127.961 $\chi^2/\text{NDF}: 61.1/24$

Right Out: 824.996 ± 336.637 $\chi^2/\text{NDF}: 17.5/29$

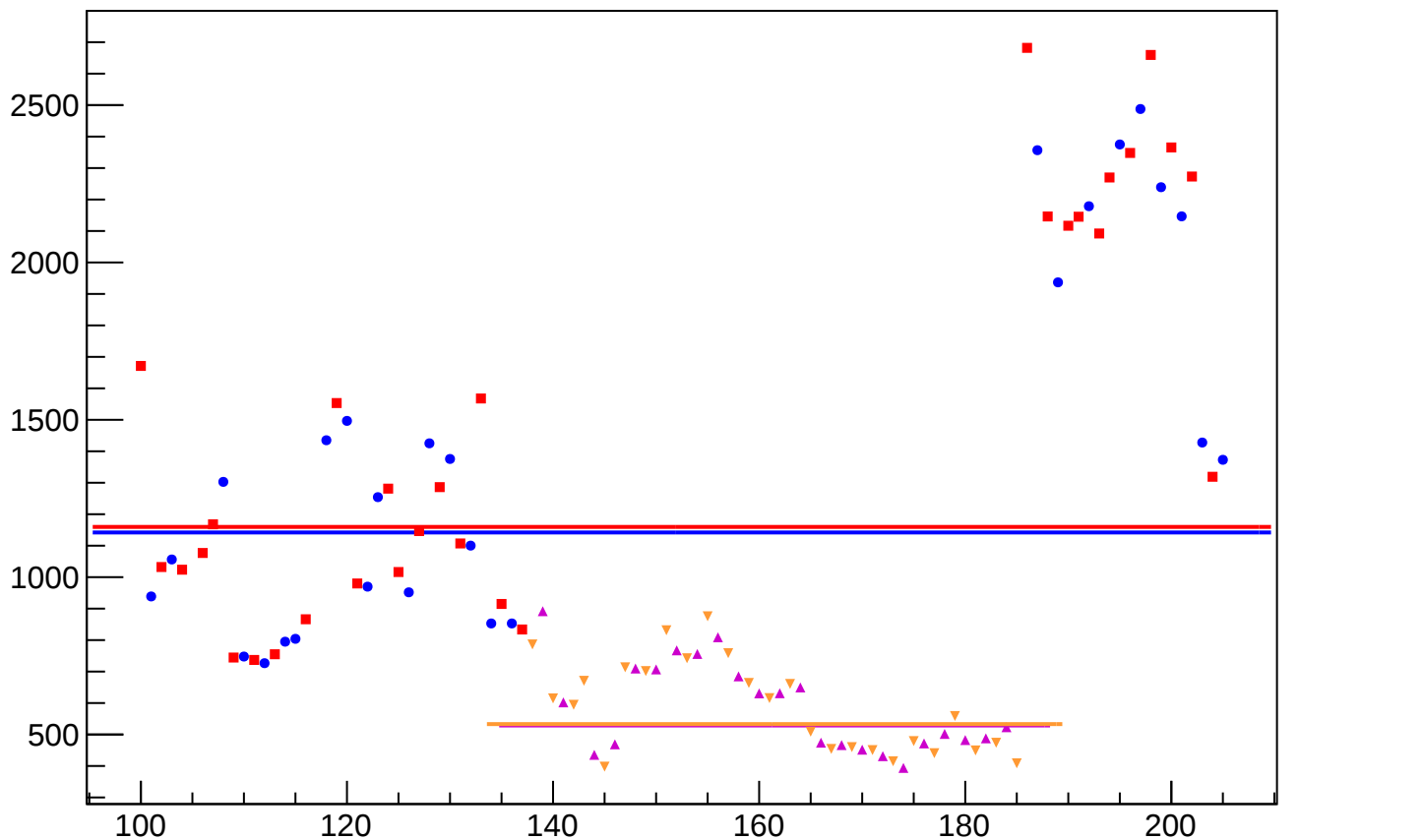
Left In: -27.483 ± 130.127 $\chi^2/\text{NDF}: 28.5/22$

+ sign 625.095 ± 119.897 $\chi^2/\text{NDF}: 94.2/50$

All: 357.532 ± 85.298 $\chi^2/\text{NDF}: 155.8/103$

- sign 83.336 ± 121.374 $\chi^2/\text{NDF}: 51.6/52$

asym_sam_37_avg_rms vs Slug



Right In: 1142.012 ± 0.243 $\chi^2/\text{NDF}: 3475958.6/25$

Left Out: 533.060 ± 0.090 $\chi^2/\text{NDF}: 1951536.4/24$

Right Out: 1159.664 ± 0.238 $\chi^2/\text{NDF}: 4415866.4/29$

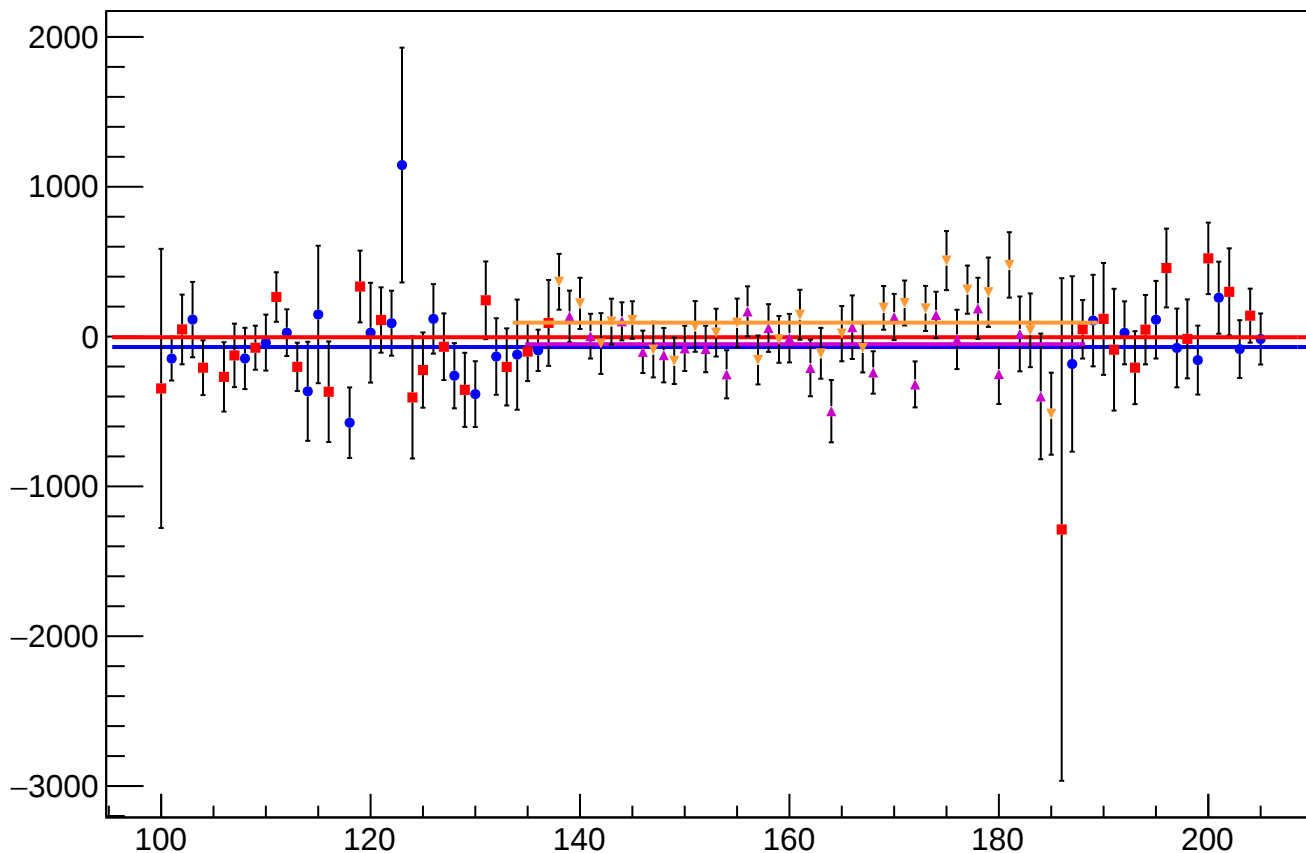
Left In: 528.694 ± 0.092 $\chi^2/\text{NDF}: 1688511.2/22$

+ sign 607.392 ± 0.085 $\chi^2/\text{NDF}: 10956317.2/50$

All: 609.035 ± 0.060 $\chi^2/\text{NDF}: 23174329.1/10$

- sign 610.718 ± 0.086 $\chi^2/\text{NDF}: 12217252.0/52$

reg_asym_sam_48_avg_mean vs Slug



Right In: -69.820 ± 43.901 $\chi^2/\text{NDF}: 16.8/25$

Left Out: 92.994 ± 34.054 $\chi^2/\text{NDF}: 29.4/24$

Right Out: -4.433 ± 42.644 $\chi^2/\text{NDF}: 27.8/29$

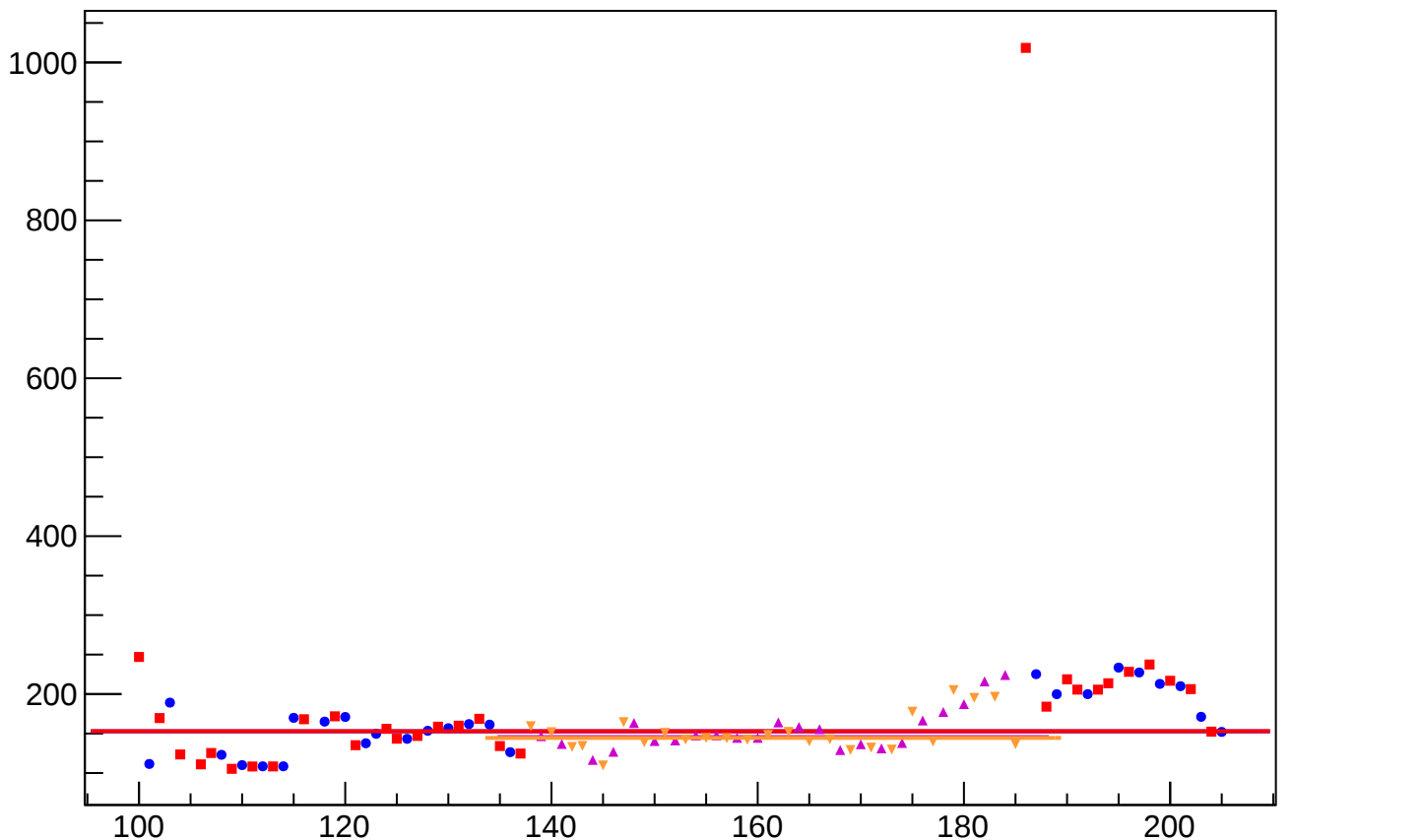
Left In: -50.896 ± 35.280 $\chi^2/\text{NDF}: 23.5/22$

+ sign 31.832 ± 26.908 $\chi^2/\text{NDF}: 54.8/50$

All: 0.233 ± 19.123 $\chi^2/\text{NDF}: 109.5/103$

- sign -32.016 ± 27.183 $\chi^2/\text{NDF}: 52.0/52$

reg_asym_sam_48_avg_rms vs Slug



Right In: 152.824+/-0.031 χ^2/NDF : 1451925.5/25

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 152.923+/-0.030 χ^2/NDF : 2263668.2/29

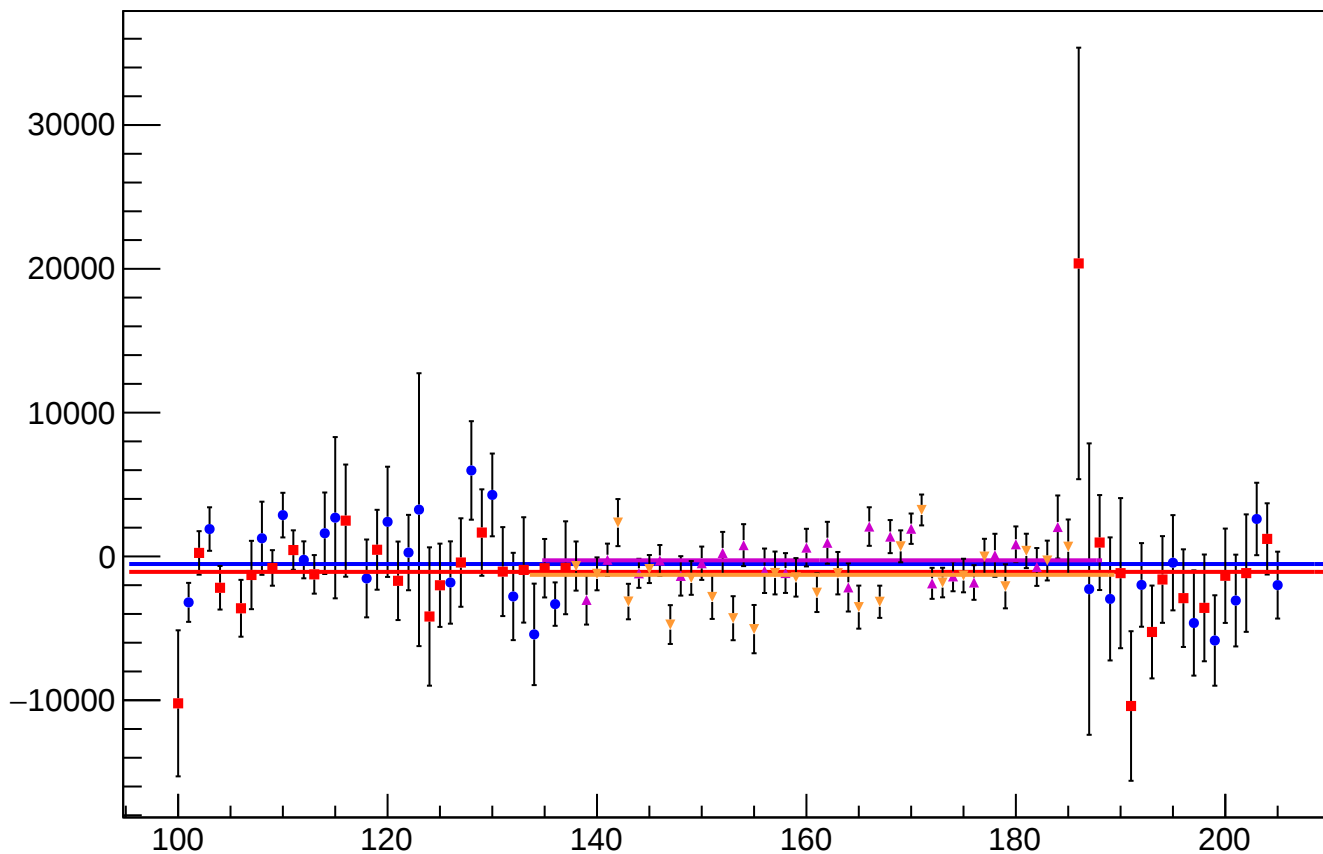
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 147.612+/-0.019 χ^2/NDF : 2167576.4/50

All: 148.069+/-0.014 χ^2/NDF : 5111580.1/103

- sign 148.537+/-0.019 χ^2/NDF : 2942834.0/52

asym_sam_48_avg_correction_mean vs Slug



Right In: -527.982 ± 470.360 χ^2/NDF : 33.5/25

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1074.672 ± 440.103 χ^2/NDF : 19.0/29

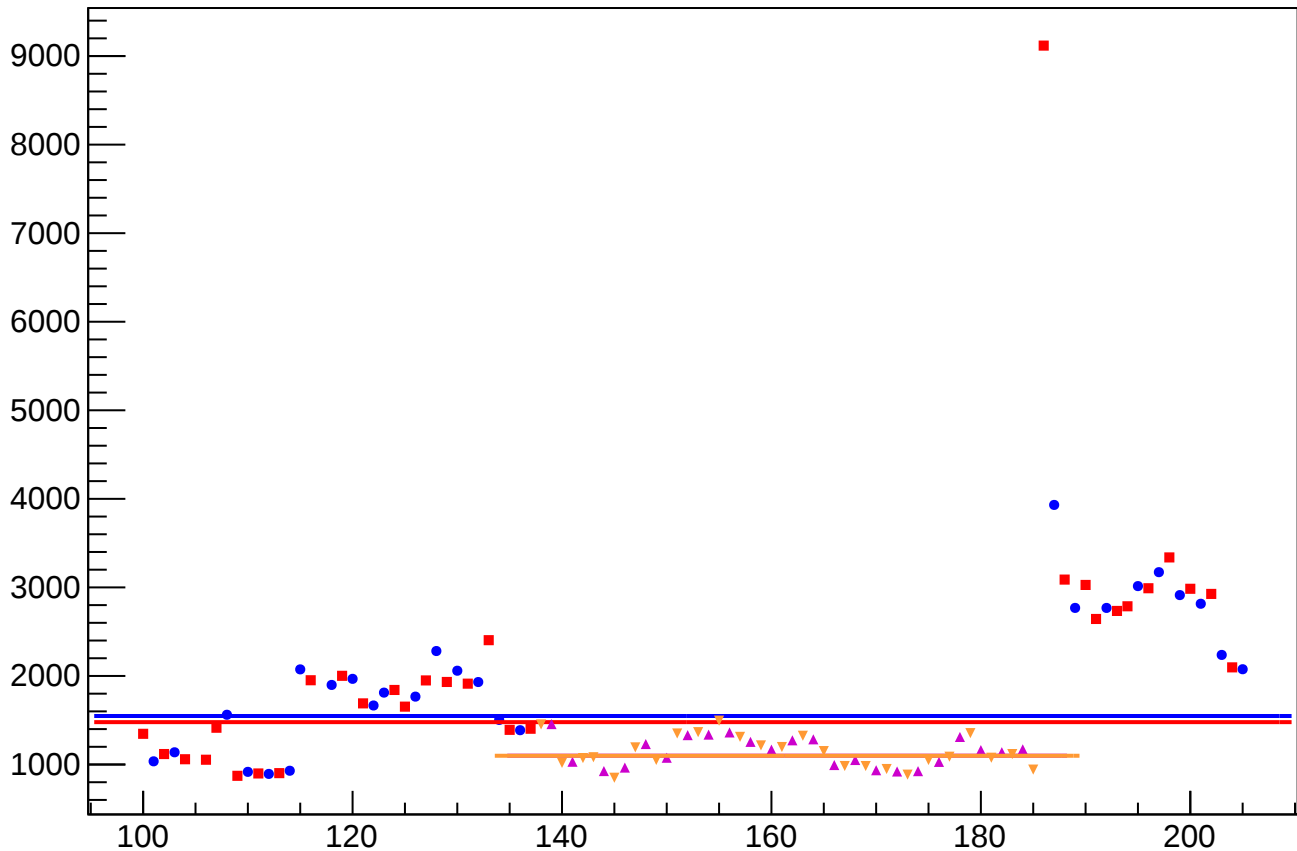
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1104.209 ± 227.079 χ^2/NDF : 91.4/50

All: -795.867 ± 160.825 χ^2/NDF : 140.8/103

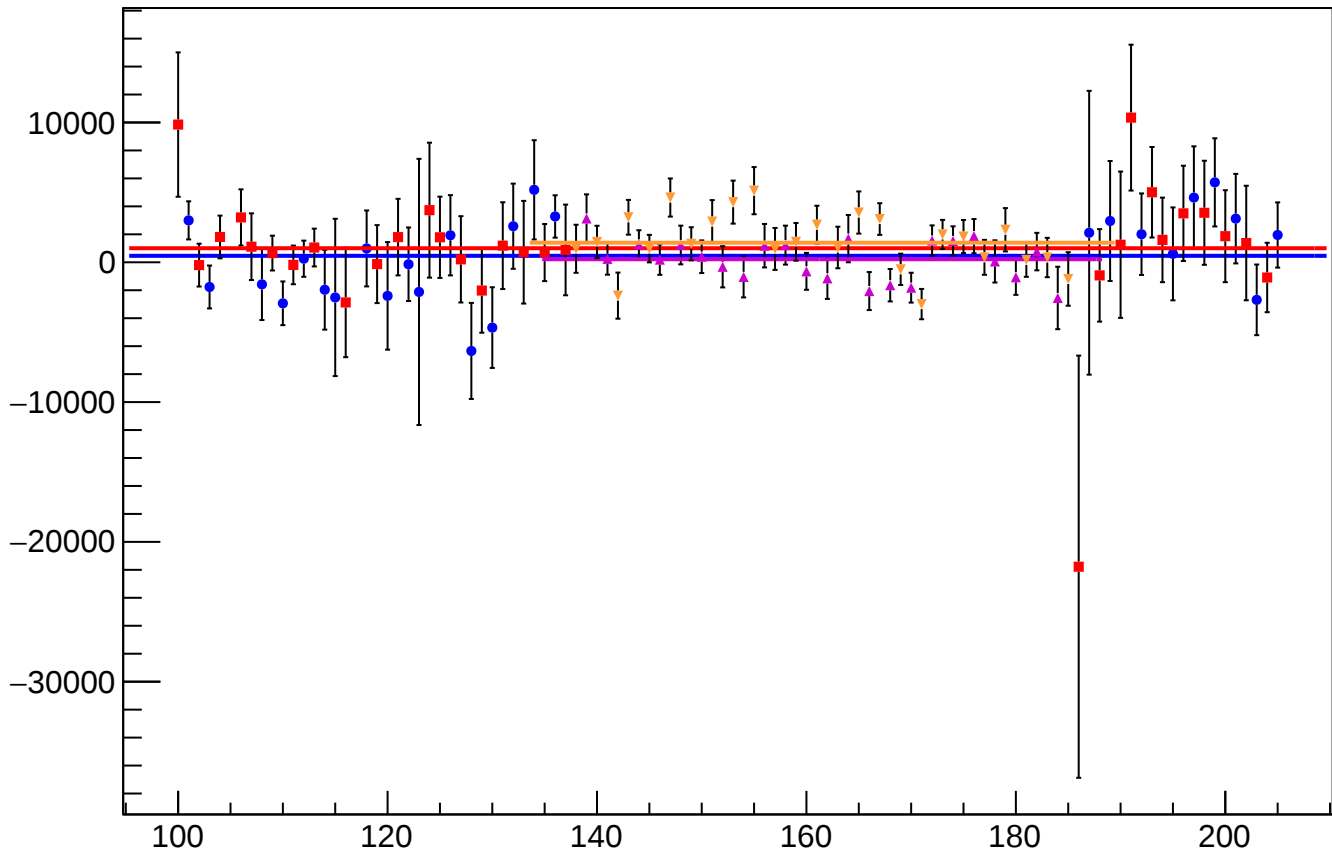
- sign -485.556 ± 227.803 χ^2/NDF : 45.8/52

asym_sam_48_avg_correction_rms vs Slug



Right In: 1547.870+/-0.333	χ^2/NDF : 4035412.5/25	+ sign 1203.550+/-0.161	χ^2/NDF : 6257199.1/50
Left Out: 1098.909+/-0.183	χ^2/NDF : 824328.7/24	All: 1202.326+/-0.114	χ^2/NDF : 13631489.3/31
Right Out: 1478.457+/-0.311	χ^2/NDF : 5609195.4/29	- sign 1201.094+/-0.161	χ^2/NDF : 7374173.6/52
Left In: 1099.585+/-0.188	χ^2/NDF : 679896.1/22		

asym_sam_48_avg_mean vs Slug



Right In: 461.974 $\pm$ 473.085 χ^2 /NDF: 33.1/25

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 1005.646 $\pm$ 443.120 χ^2 /NDF: 17.8/29

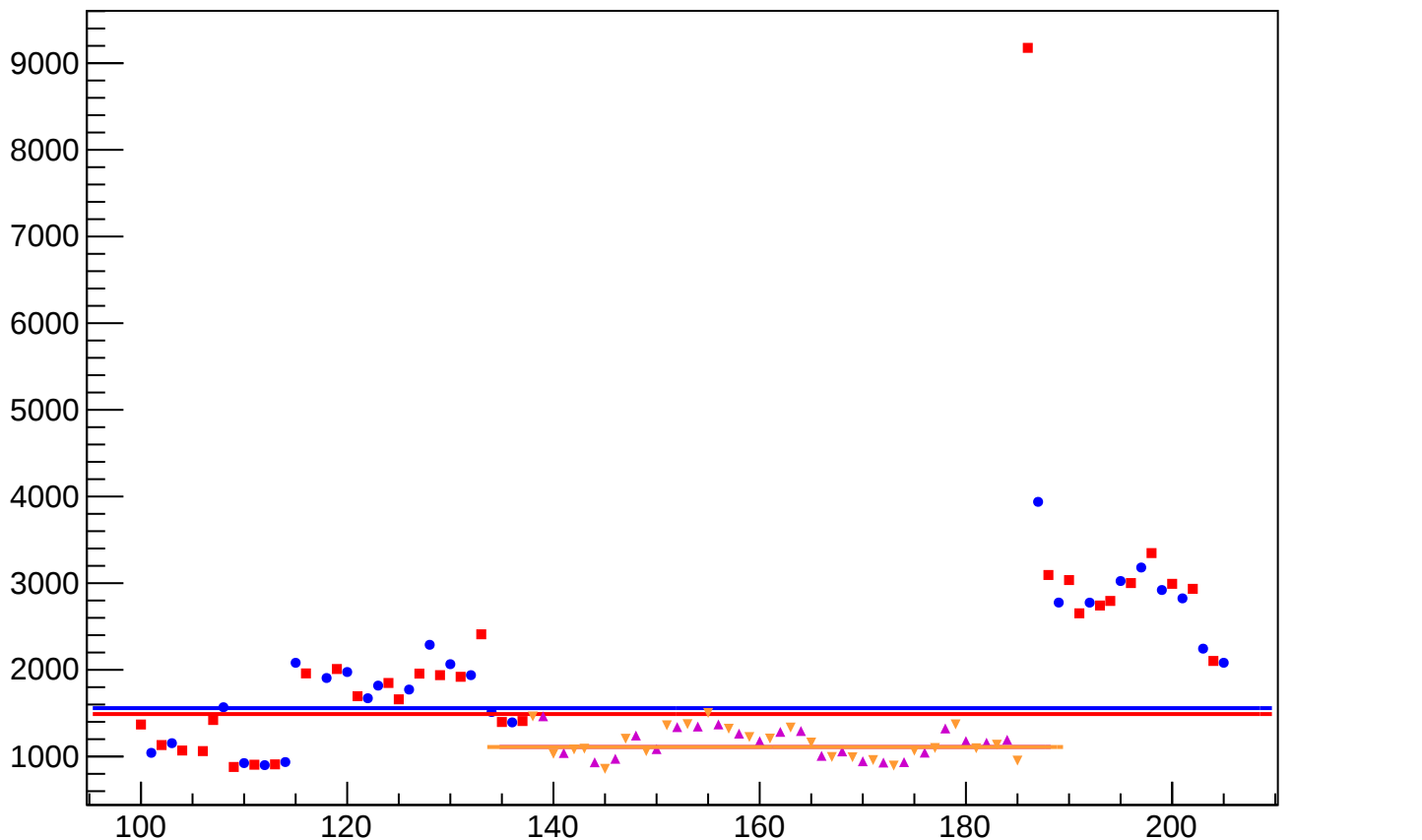
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1180.431 $\pm$ 229.067 χ^2 /NDF: 88.3/50

All: 806.975 $\pm$ 162.252 χ^2 /NDF: 138.7/103

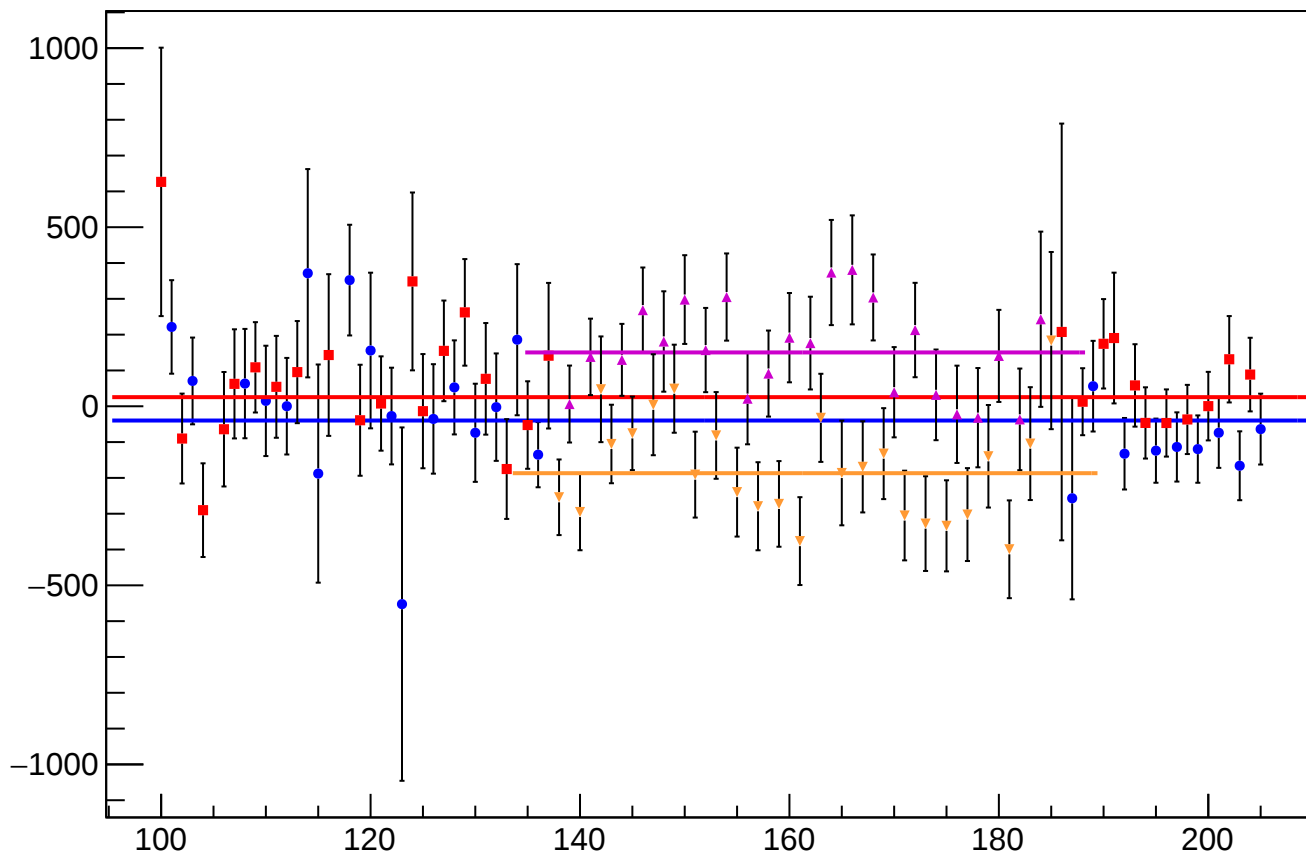
- sign 430.948 $\pm$ 229.854 χ^2 /NDF: 45.1/52

asym_sam_48_avg_rms vs Slug



Right In: 1558.214+/-0.335 χ^2/NDF : 3998353.2/25 + sign 1214.901+/-0.162 χ^2/NDF : 6186340.0/50
 Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24 All: 1213.756+/-0.115 χ^2/NDF : 13488873.1/100
 Right Out: 1489.861+/-0.313 χ^2/NDF : 5561294.3/29 - sign 1212.604+/-0.163 χ^2/NDF : 7302433.0/52
 Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

reg_asym_sam_15_dd_mean vs Slug



Right In: -39.797 ± 25.096 $\chi^2/\text{NDF}: 25.1/25$

Left Out: -186.838 ± 25.308 $\chi^2/\text{NDF}: 26.6/24$

Right Out: 25.457 ± 24.194 $\chi^2/\text{NDF}: 24.0/29$

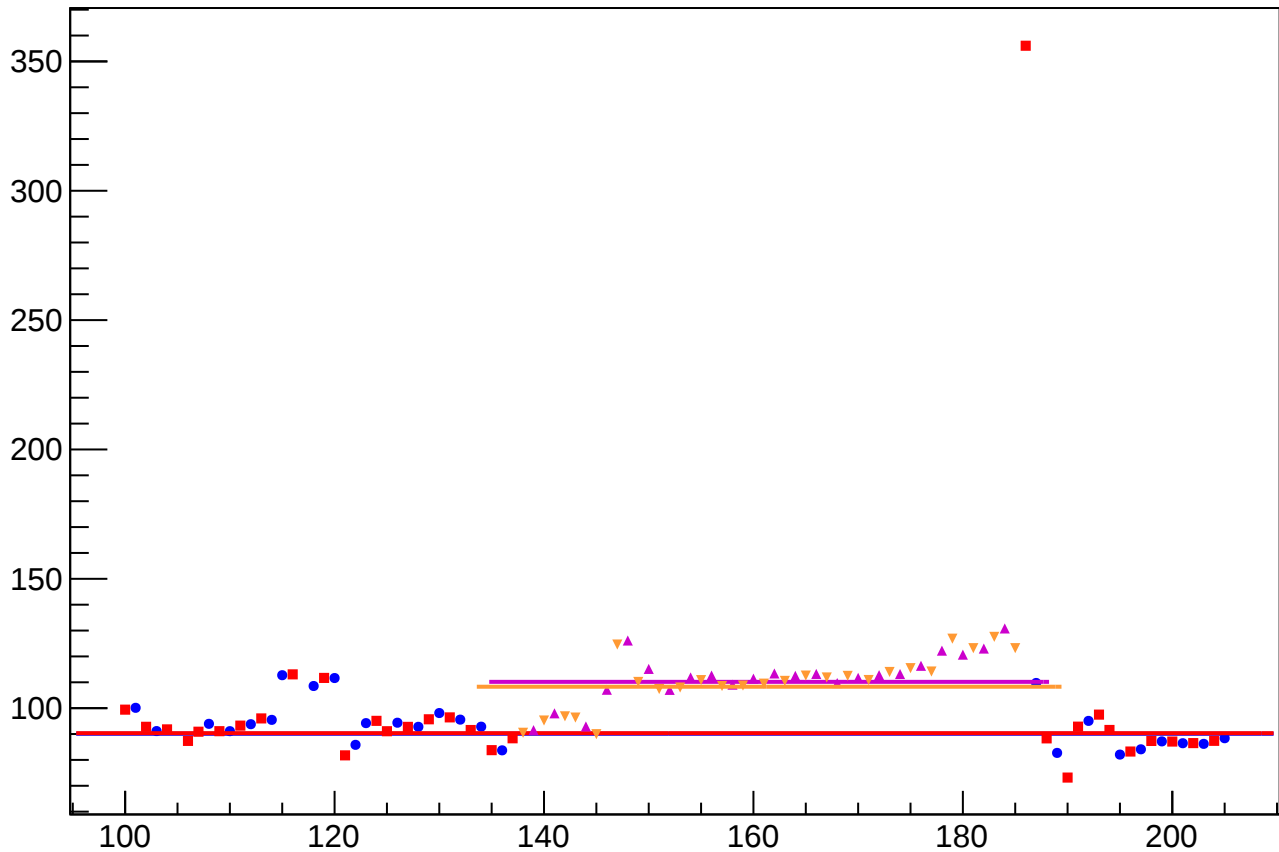
Left In: 150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

+ sign -112.698 ± 17.820 $\chi^2/\text{NDF}: 68.7/50$

All: -15.343 ± 12.611 $\chi^2/\text{NDF}: 185.3/103$

- sign 82.347 ± 17.851 $\chi^2/\text{NDF}: 56.8/52$

reg_asym_sam_15_dd_rms vs Slug



Right In: 90.112 $\pm$ 0.018 χ^2 /NDF: 153014.1/25

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 90.334 $\pm$ 0.017 χ^2 /NDF: 570681.5/29

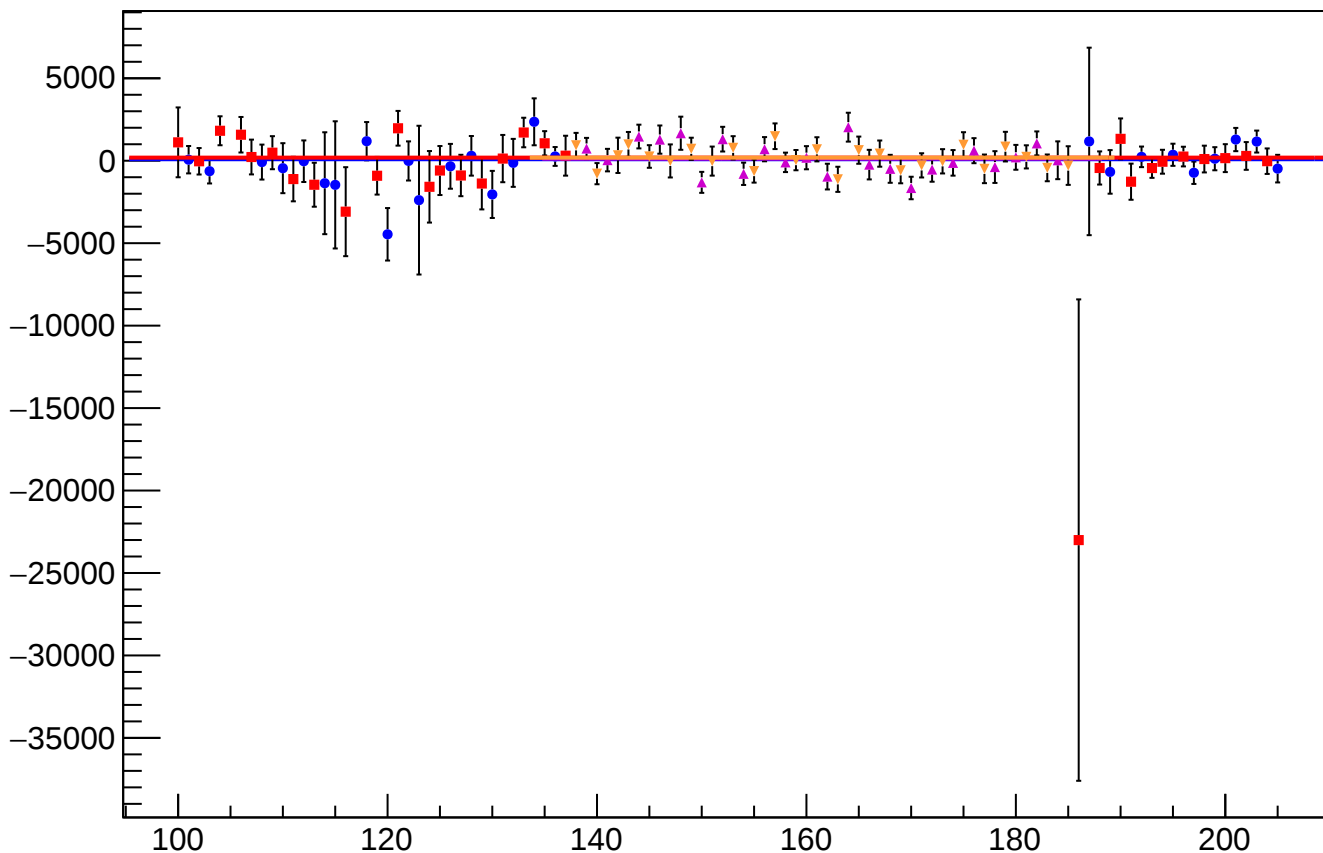
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 99.123 $\pm$ 0.013 χ^2 /NDF: 1003791.7/50

All: 99.248 $\pm$ 0.009 χ^2 /NDF: 2434409.6/103

- sign 99.373 $\pm$ 0.013 χ^2 /NDF: 1430421.8/52

asym_sam_15_dd_correction_mean vs Slug



Right In: 90.757+/-187.884 χ^2/NDF : 23.9/25

Left Out: 185.392+/-153.683 χ^2/NDF : 18.4/24

Right Out: 188.394+/-180.369 χ^2/NDF : 27.1/29

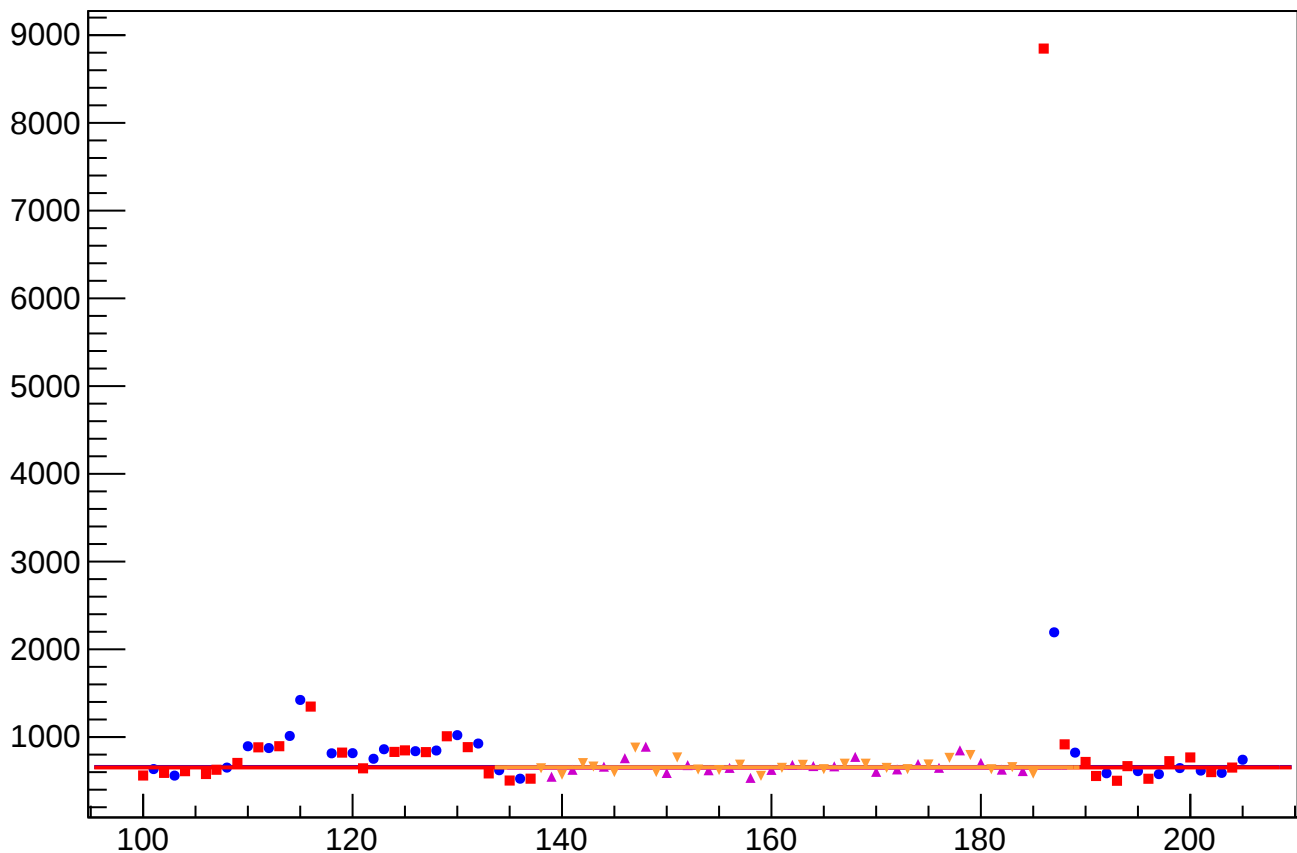
Left In: 128.782+/-157.155 χ^2/NDF : 36.2/22

+ sign 147.456+/-118.957 χ^2/NDF : 42.4/50

All: 150.995+/-83.949 χ^2/NDF : 105.7/103

- sign 154.507+/-118.489 χ^2/NDF : 63.3/52

asym_sam_15_dd_correction_rms vs Slug



Right In: 658.874 $\pm$ 0.133 χ^2 /NDF: 1000575.3/25

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 653.604 $\pm$ 0.128 χ^2 /NDF: 1765609.7/29

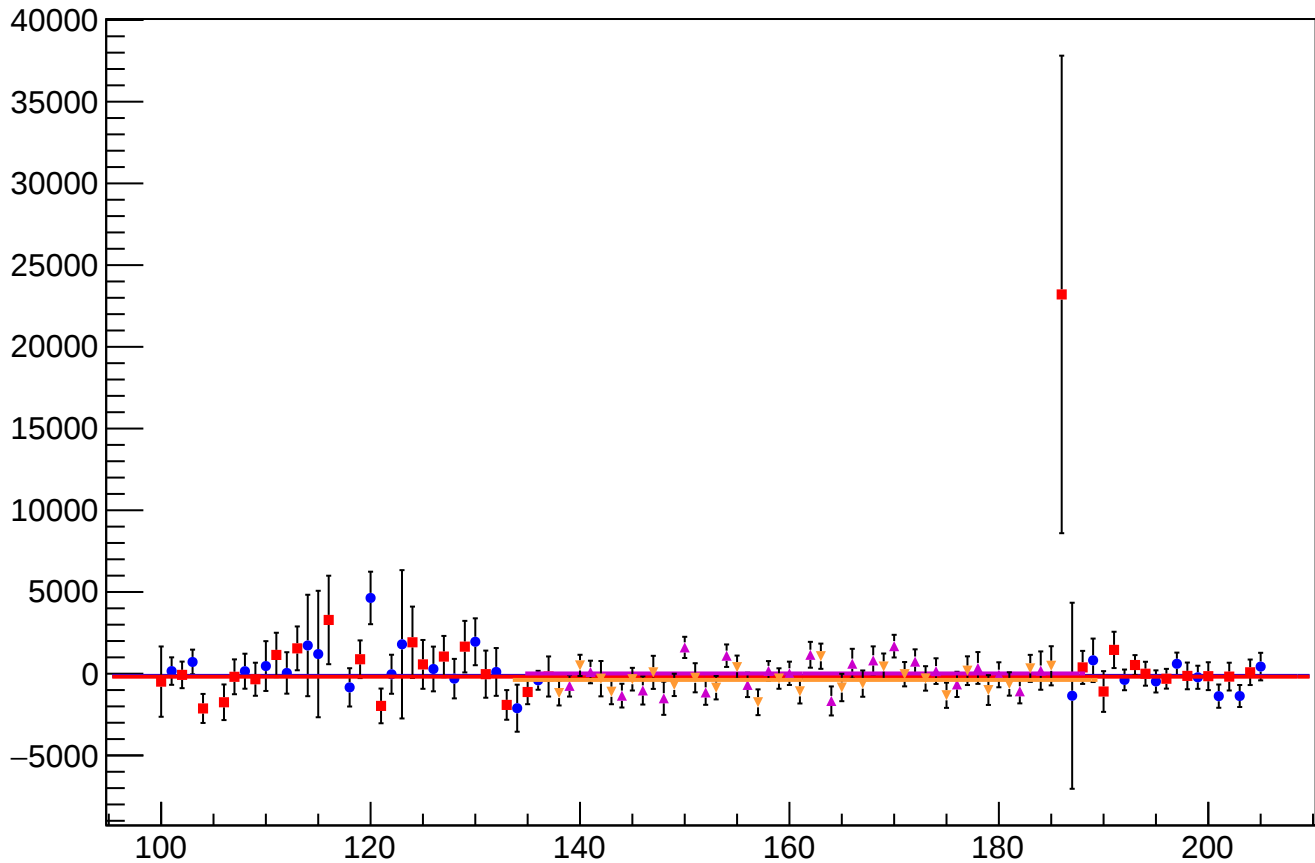
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 656.646 $\pm$ 0.084 χ^2 /NDF: 1368394.4/50

All: 654.343 $\pm$ 0.059 χ^2 /NDF: 3601873.3/103

- sign 652.057 $\pm$ 0.084 χ^2 /NDF: 2231985.3/52

asym_sam_15_dd_mean vs Slug



Right In: -133.956 ± 189.806 χ^2/NDF : 24.8/25

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -181.161 ± 182.335 χ^2/NDF : 30.8/29

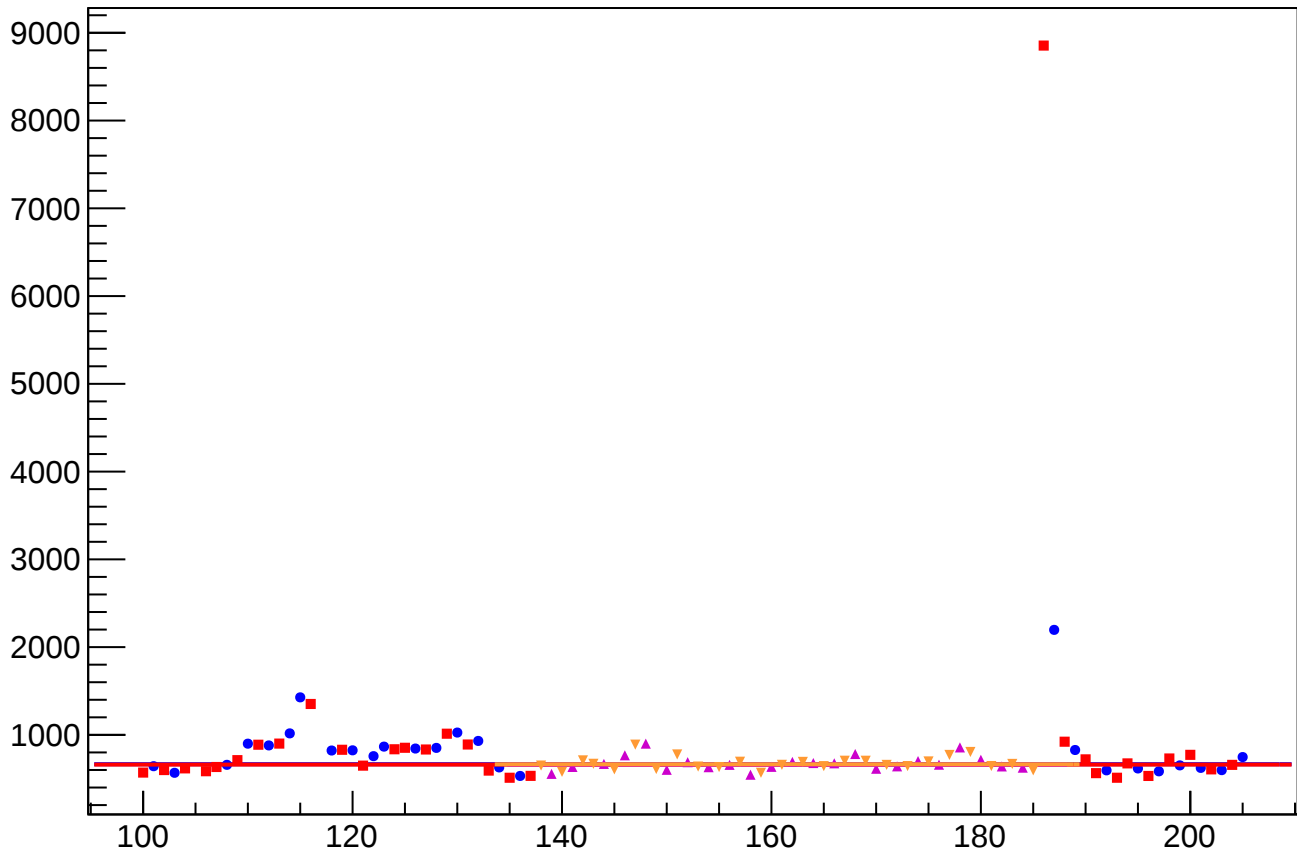
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -280.569 ± 120.468 χ^2/NDF : 44.6/50

All: -175.011 ± 85.038 χ^2/NDF : 114.8/103

- sign -70.175 ± 120.056 χ^2/NDF : 68.6/52

asym_sam_15_dd_rms vs Slug



Right In: 666.058+/-0.134 χ^2/NDF : 978163.7/25

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 661.342+/-0.129 χ^2/NDF : 1729247.8/29

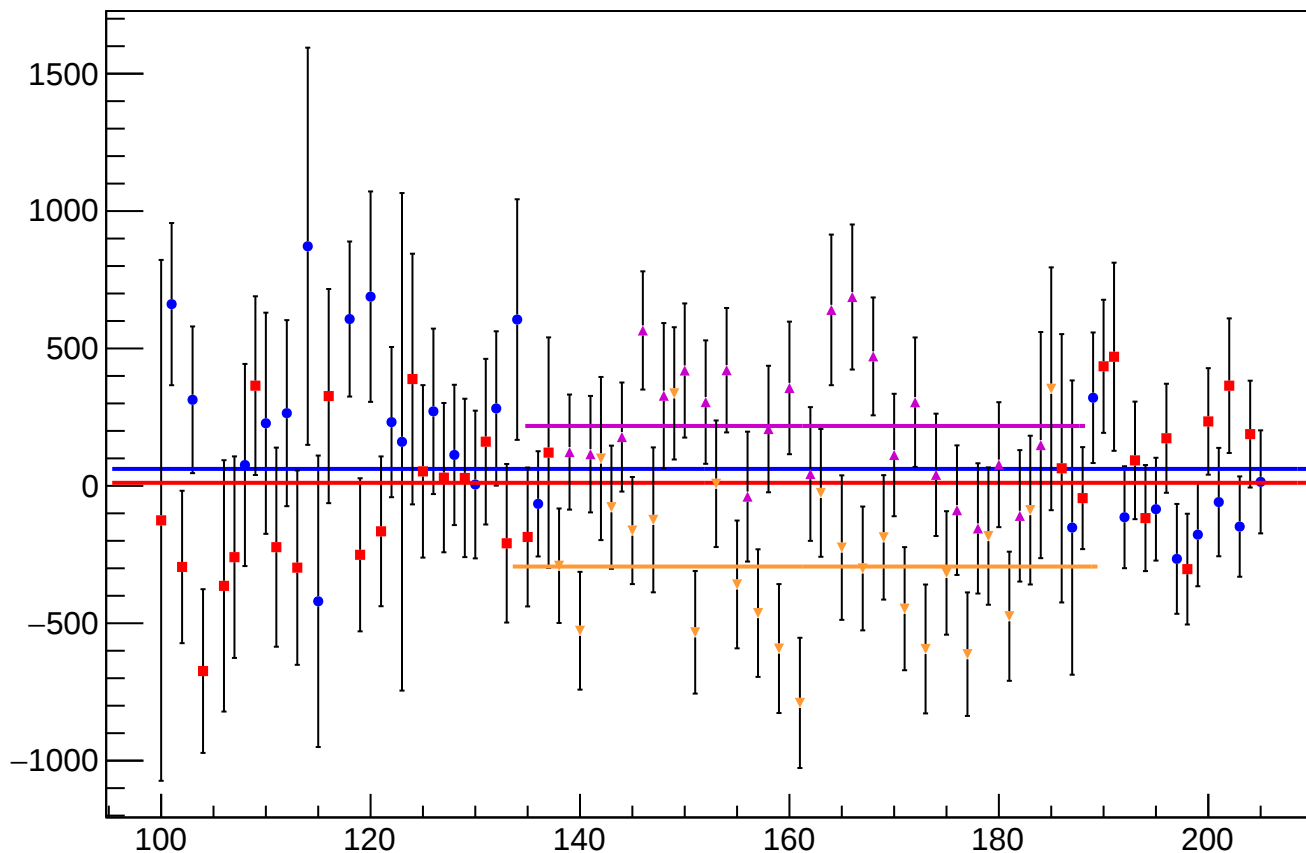
Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

+ sign 665.291+/-0.085 χ^2/NDF : 1335272.4/50

All: 663.181+/-0.060 χ^2/NDF : 3514929.3/103

- sign 661.086+/-0.085 χ^2/NDF : 2178434.8/52

reg_asym_sam_26_dd_mean vs Slug



Right In: 61.667 ± 50.701 χ^2/NDF : 26.5/25

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: 11.117 ± 49.516 χ^2/NDF : 27.2/29

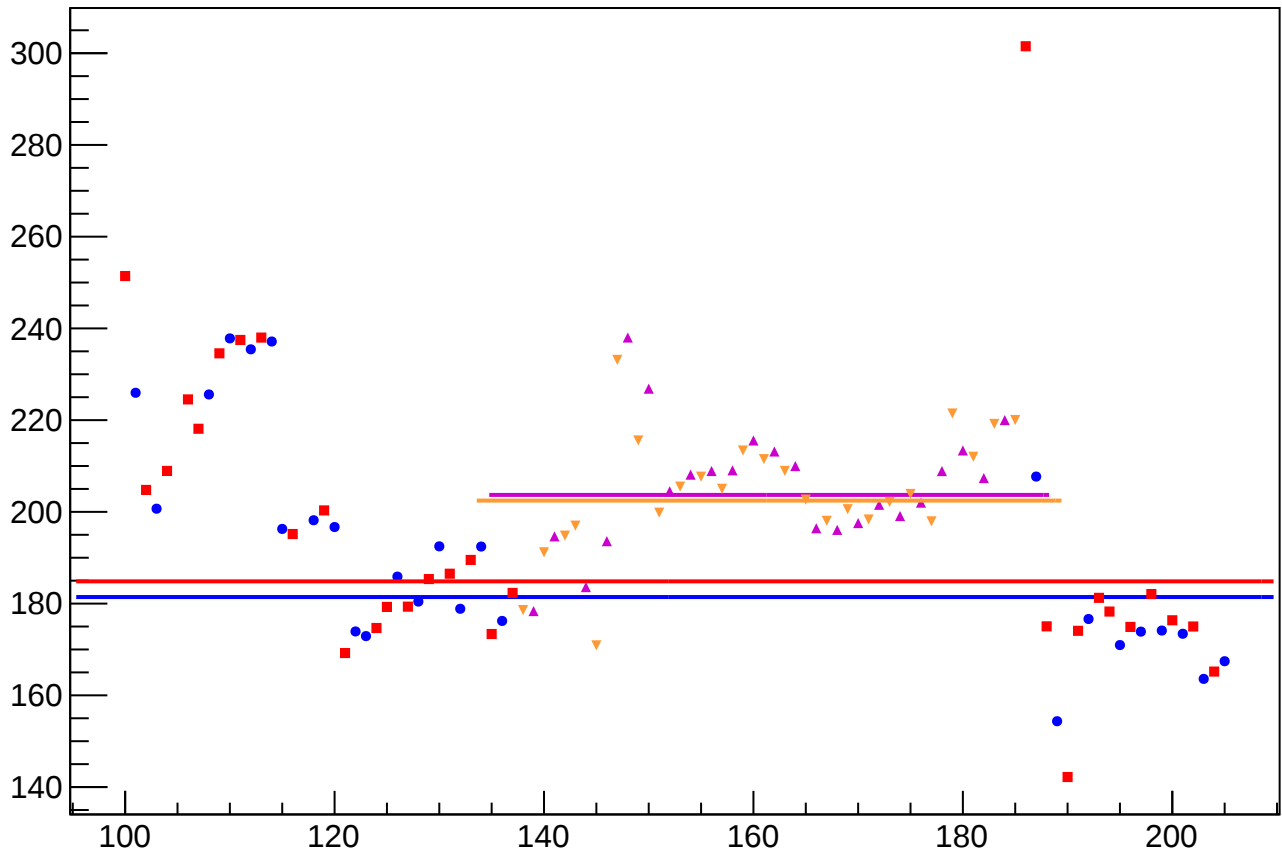
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -128.638 ± 34.548 χ^2/NDF : 83.2/50

All: -7.079 ± 24.505 χ^2/NDF : 165.4/103

- sign 116.007 ± 34.764 χ^2/NDF : 57.3/52

reg_asym_sam_26_dd_rms vs Slug



Right In: 181.429 $\pm$ 0.036 χ^2 /NDF: 284902.4/25

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 184.849 $\pm$ 0.035 χ^2 /NDF: 439921.5/29

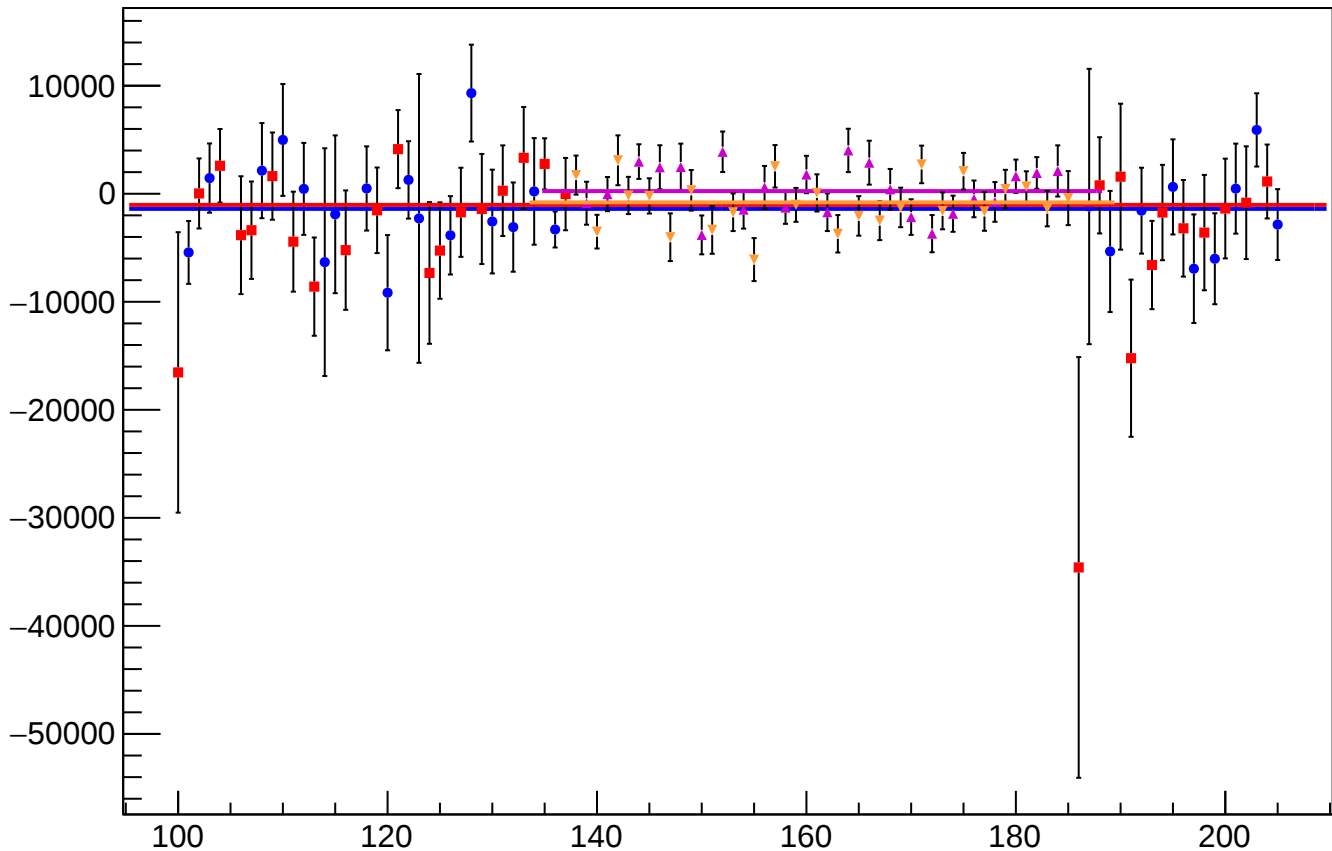
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 192.694 $\pm$ 0.024 χ^2 /NDF: 627809.0/50

All: 193.546 $\pm$ 0.017 χ^2 /NDF: 1353333.1/103

- sign 194.408 $\pm$ 0.025 χ^2 /NDF: 723078.9/52

asym_sam_26_dd_correction_mean vs Slug



Right In: -1398.657 ± 769.832 χ^2/NDF : 24.2/25

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1029.888 ± 790.719 χ^2/NDF : 24.9/29

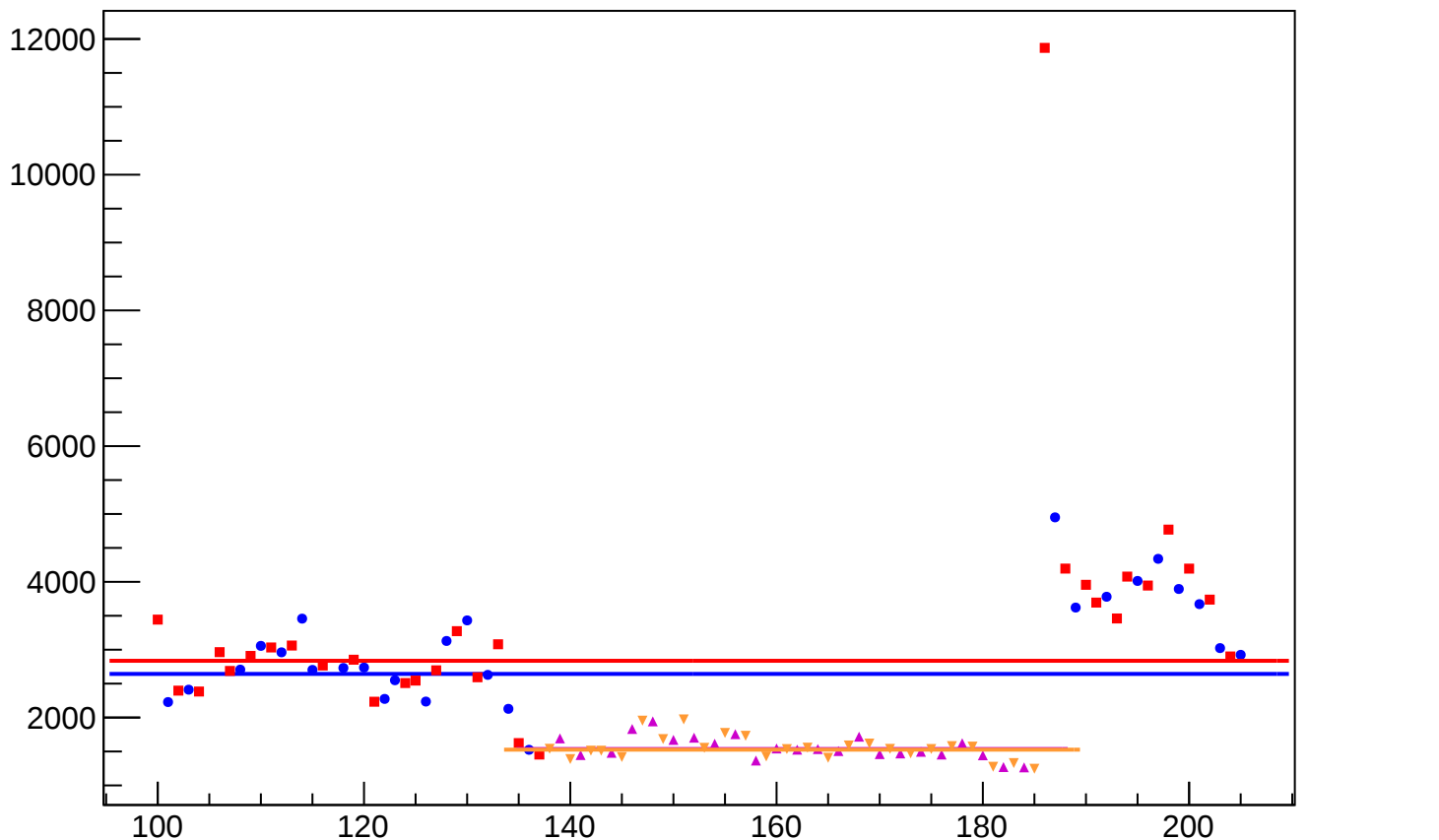
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -903.517 ± 324.505 χ^2/NDF : 60.4/50

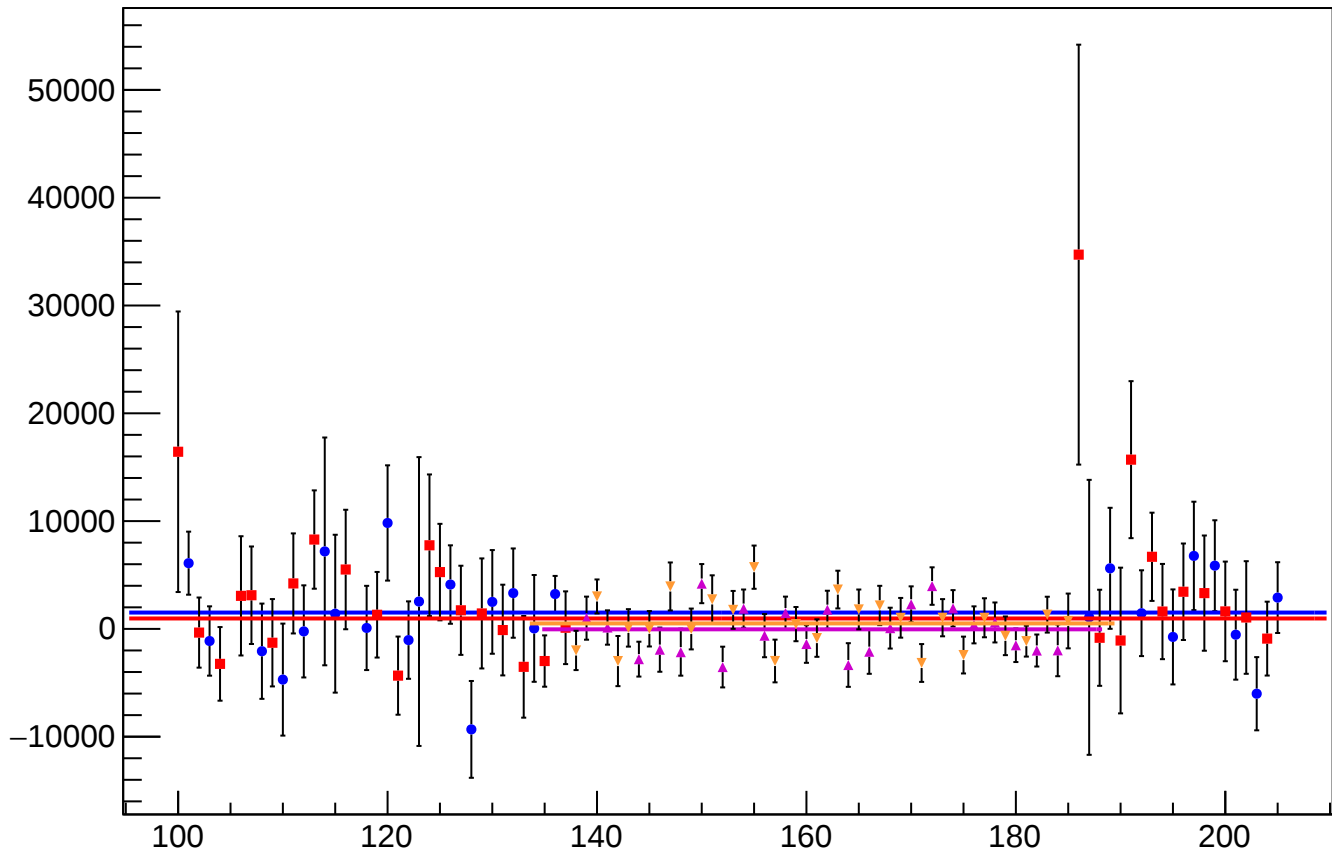
All: -458.289 ± 233.085 χ^2/NDF : 127.0/103

- sign 16.236 ± 335.011 χ^2/NDF : 62.7/52

asym_sam_26_dd_correction_rms vs Slug



asym_sam_26_dd_mean vs Slug



Right In: 1515.640 $\pm$ 772.523 χ^2 /NDF: 24.7/25

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 966.667 $\pm$ 793.277 χ^2 /NDF: 25.6/29

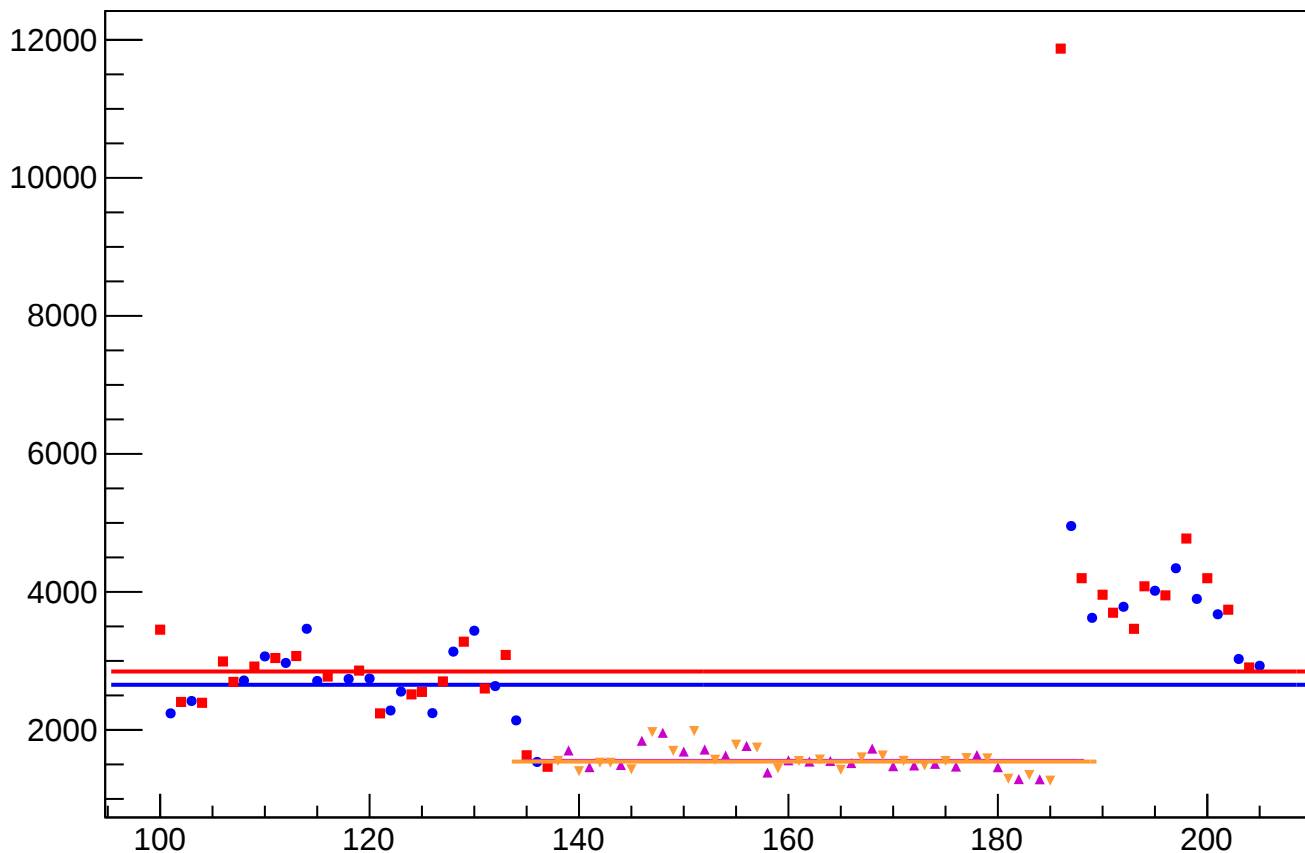
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 688.726 $\pm$ 327.181 χ^2 /NDF: 61.5/50

All: 424.243 $\pm$ 234.996 χ^2 /NDF: 123.4/103

- sign 142.410 $\pm$ 337.741 χ^2 /NDF: 60.5/52

asym_sam_26_dd_rms vs Slug



Right In: 2653.954+/-0.546 χ^2/NDF : 2156760.8/25

Left Out: 1541.258+/-0.255 χ^2/NDF : 382045.4/24

Right Out: 2846.727+/-0.561 χ^2/NDF : 2551560.0/29

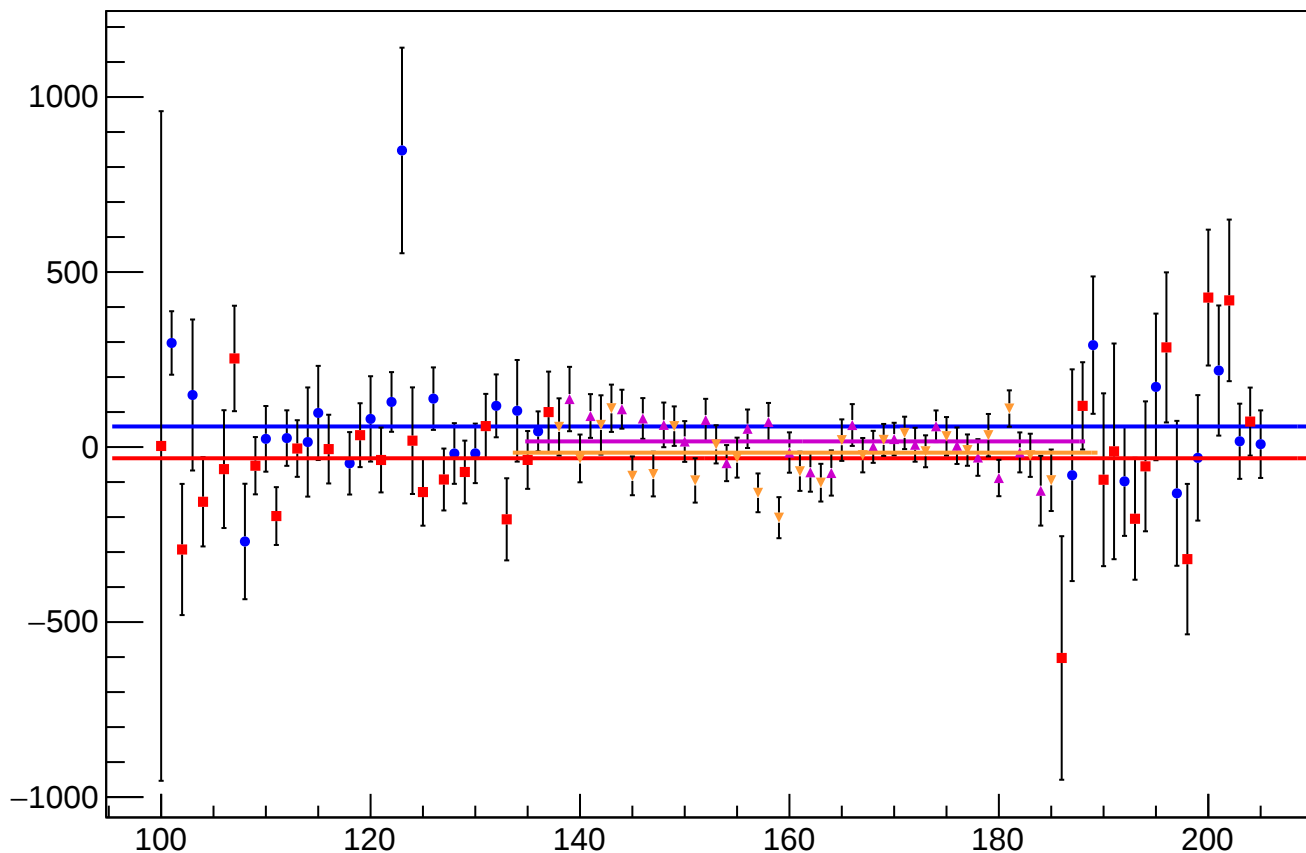
Left In: 1551.063+/-0.264 χ^2/NDF : 338898.9/22

+ sign 1740.844+/-0.231 χ^2/NDF : 5943720.5/50

All: 1762.668+/-0.166 χ^2/NDF : 13220811.4/100

- sign 1785.924+/-0.239 χ^2/NDF : 7258709.4/52

reg_asym_sam_37_dd_mean vs Slug



Right In: 58.809 ± 21.594 χ^2/NDF : 29.0/25

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -32.042 ± 21.658 χ^2/NDF : 37.3/29

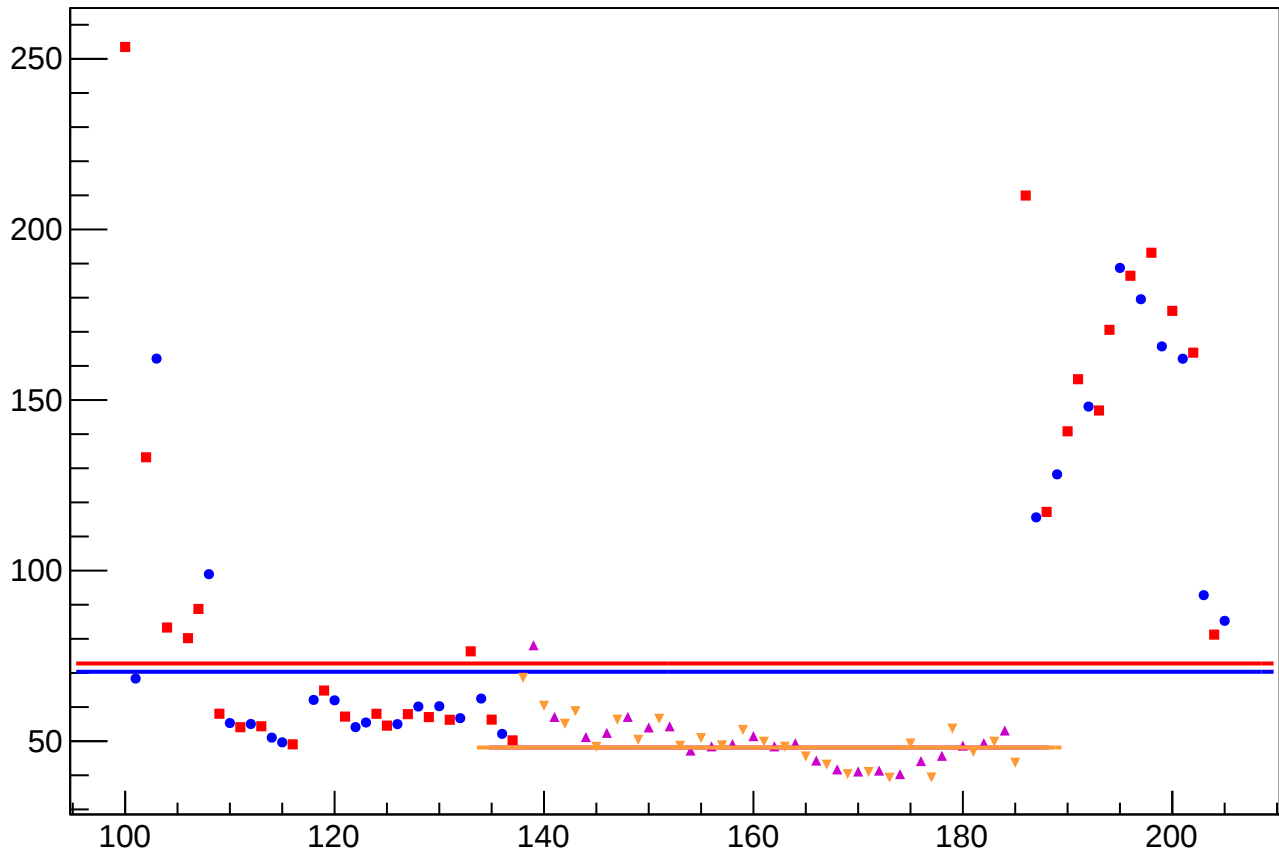
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign 0.133 ± 10.040 χ^2/NDF : 78.1/50

All: 2.682 ± 7.176 χ^2/NDF : 144.7/103

- sign 5.345 ± 10.260 χ^2/NDF : 66.4/52

reg_asym_sam_37_dd_rms vs Slug



Right In: 70.344+/-0.015 χ^2/NDF : 4202310.3/25

Left Out: 48.141+/-0.008 χ^2/NDF : 655250.3/24

Right Out: 72.779+/-0.015 χ^2/NDF : 5073568.6/29

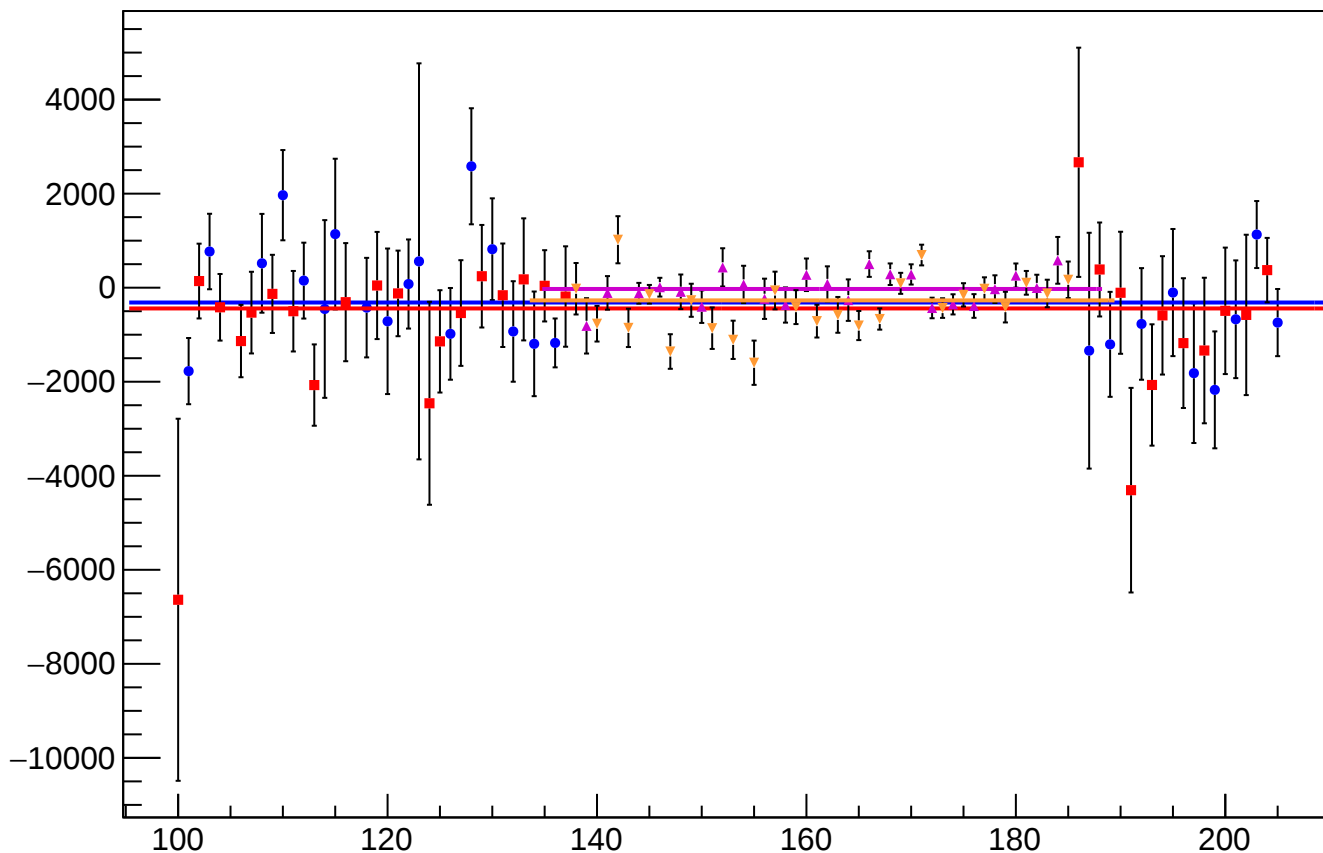
Left In: 48.139+/-0.008 χ^2/NDF : 575025.5/22

+ sign 52.940+/-0.007 χ^2/NDF : 6514945.8/50

All: 53.296+/-0.005 χ^2/NDF : 14176375.7/103

- sign 53.668+/-0.007 χ^2/NDF : 7656287.6/52

asym_sam_37_dd_correction_mean vs Slug



Right In: -315.306 ± 195.831 $\chi^2/\text{NDF}: 33.4/25$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -441.634 ± 191.316 $\chi^2/\text{NDF}: 19.6/29$

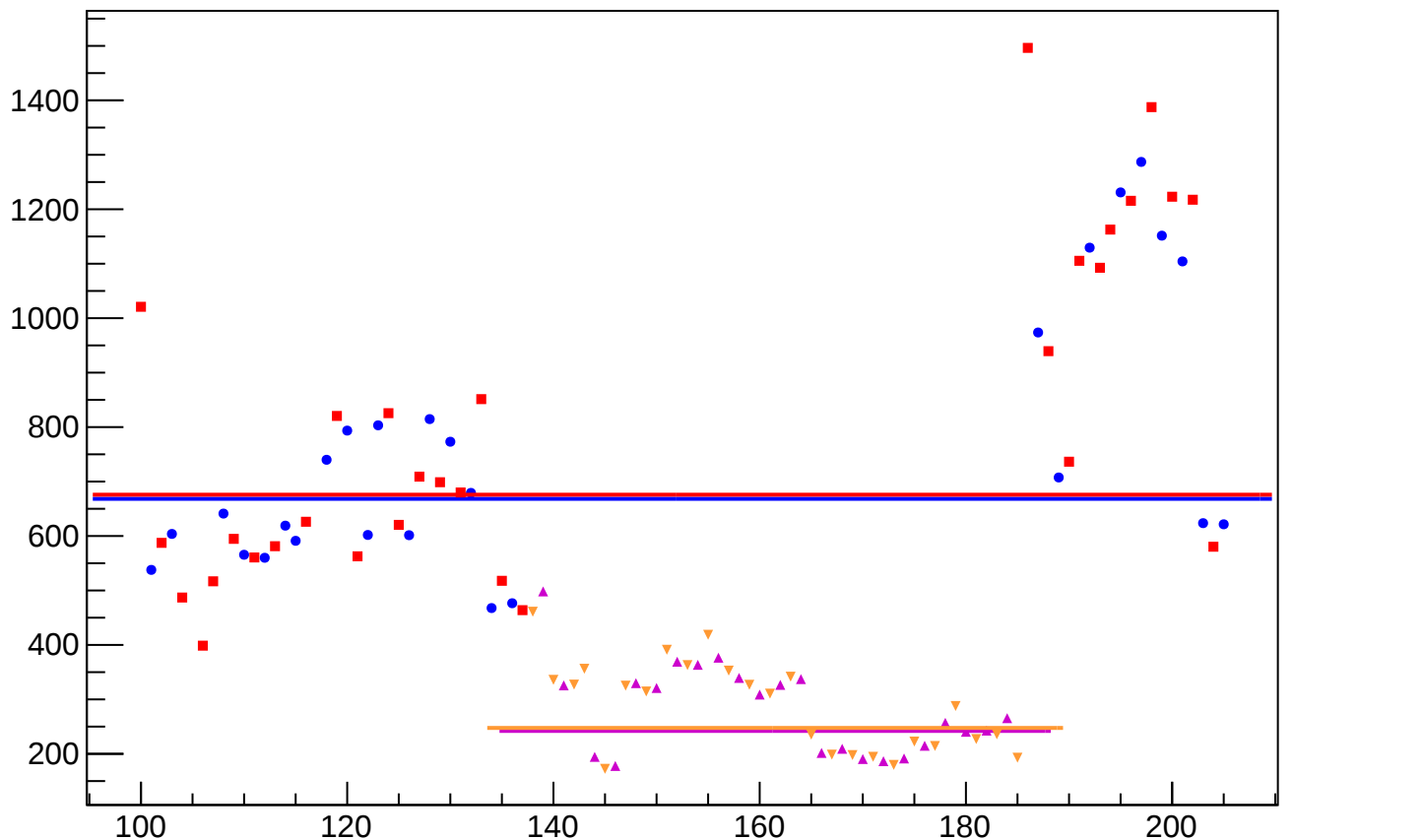
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -274.104 ± 57.523 $\chi^2/\text{NDF}: 103.6/50$

All: -169.667 ± 40.710 $\chi^2/\text{NDF}: 159.1/103$

- sign -64.862 ± 57.624 $\chi^2/\text{NDF}: 48.9/52$

asym_sam_37_dd_correction_rms vs Slug



Right In: 668.304+/-0.138 χ^2/NDF : 2163579.5/25

Left Out: 247.570+/-0.043 χ^2/NDF : 2780931.0/24

Right Out: 675.839+/-0.135 χ^2/NDF : 3131001.5/29

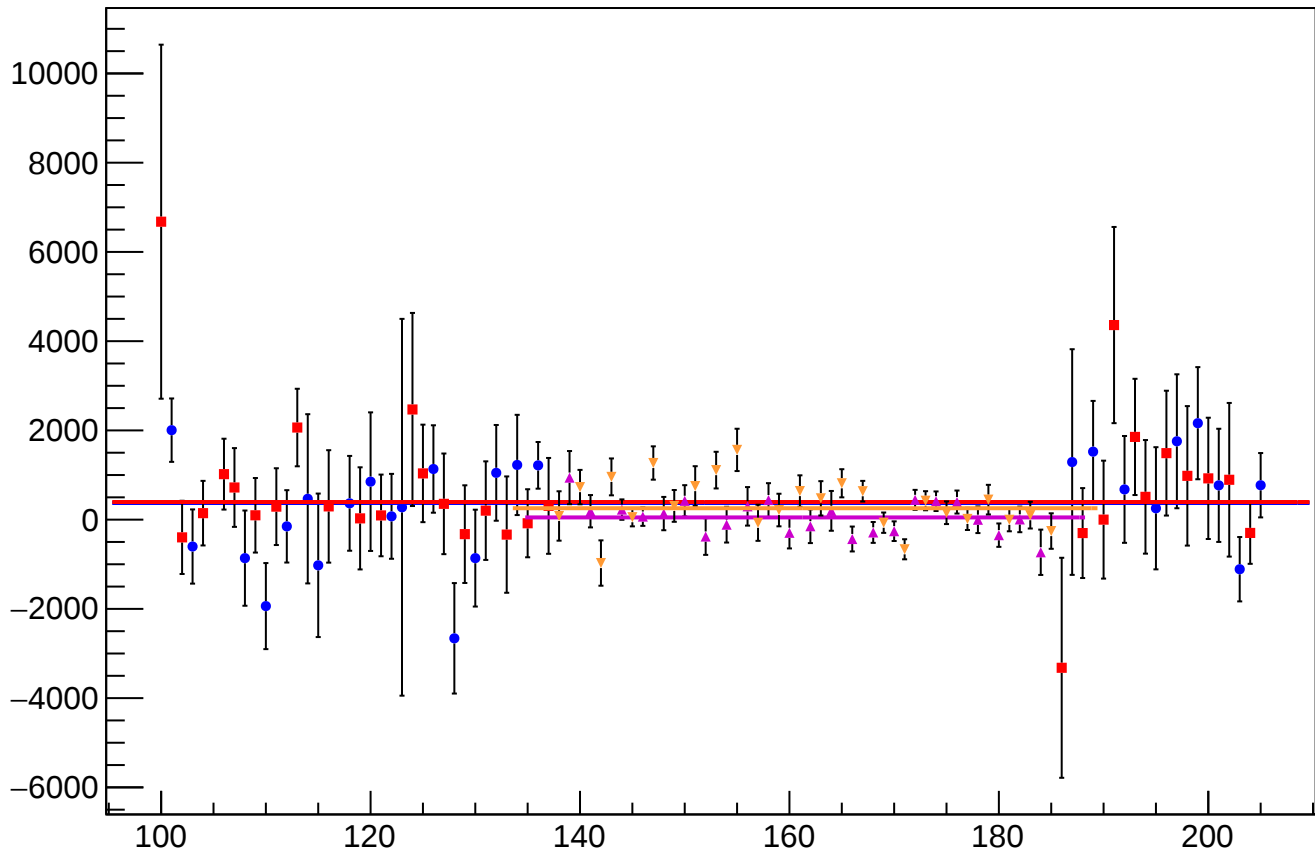
Left In: 242.117+/-0.043 χ^2/NDF : 2466108.9/22

+ sign 283.872+/-0.041 χ^2/NDF : 13379648.1/50

All: 282.670+/-0.029 χ^2/NDF : 28324978.1/10

- sign 281.464+/-0.041 χ^2/NDF : 14943581.1/52

asym_sam_37_dd_mean vs Slug



Right In: 373.164 $\pm$ 197.679 χ^2 /NDF: 35.3/25

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF: 63.6/24

Right Out: 395.209 $\pm$ 193.486 χ^2 /NDF: 20.1/29

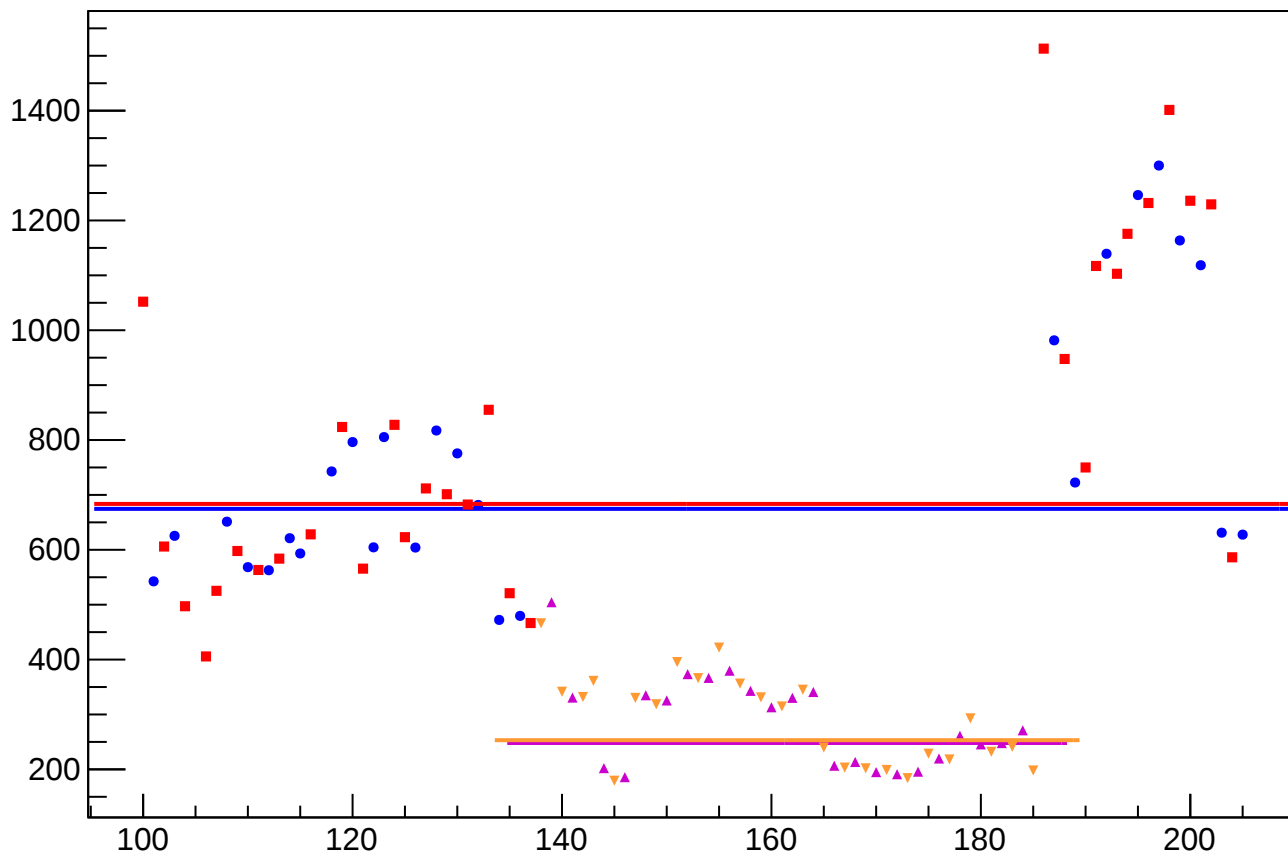
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF: 27.5/22

+ sign 266.310 $\pm$ 58.653 χ^2 /NDF: 99.2/50

All: 174.364 $\pm$ 41.545 χ^2 /NDF: 154.7/103

- sign 81.787 $\pm$ 58.854 χ^2 /NDF: 50.6/52

asym_sam_37_dd_rms vs Slug



Right In: 674.578 ± 0.140 χ^2/NDF : 2170390.4/25

Left Out: 253.137 ± 0.043 χ^2/NDF : 2665975.8/24

Right Out: 683.595 ± 0.137 χ^2/NDF : 3107037.4/29

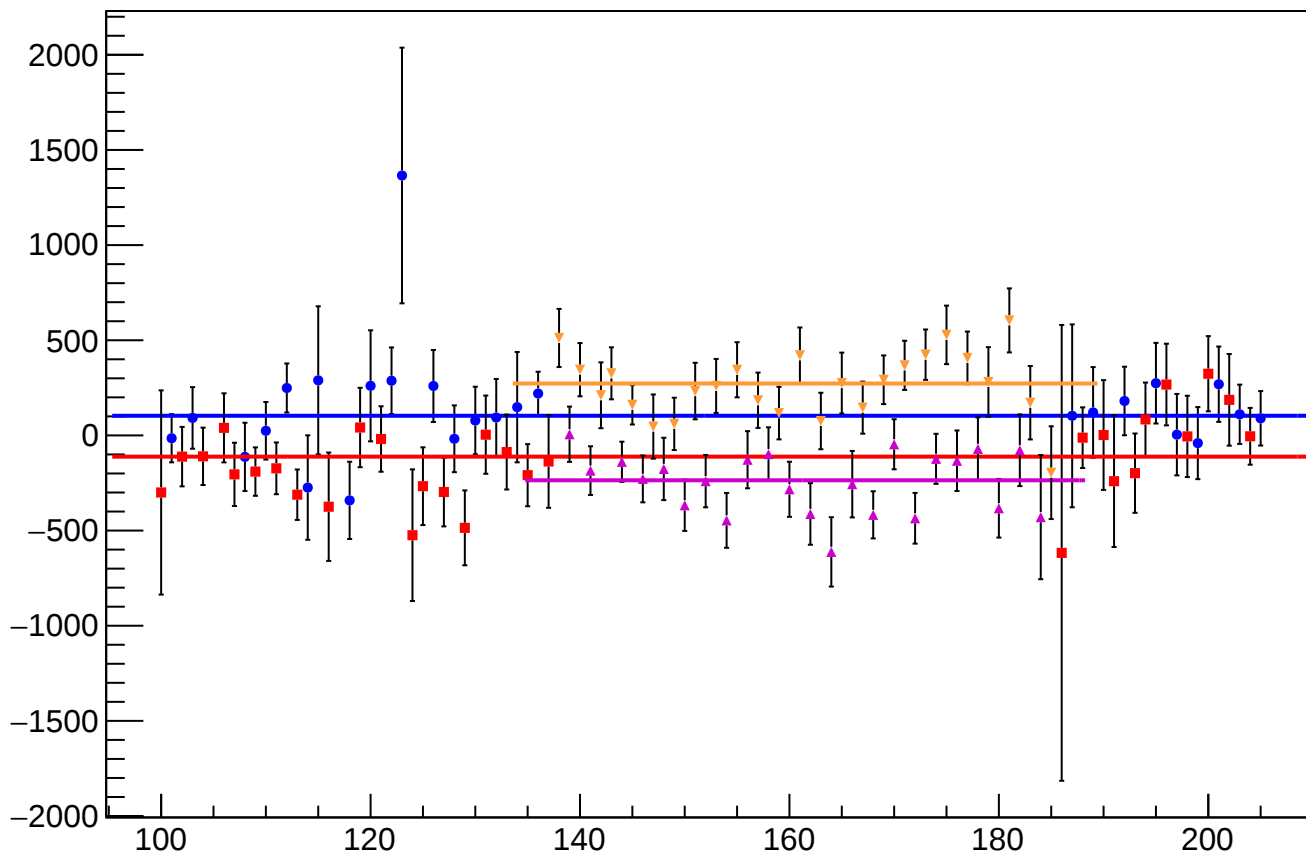
Left In: 248.069 ± 0.044 χ^2/NDF : 2343295.0/22

+ sign 290.239 ± 0.041 χ^2/NDF : 13126537.1/50

All: 289.305 ± 0.029 χ^2/NDF : 27773824.4/10

- sign 288.365 ± 0.042 χ^2/NDF : 14646270.0/52

reg_asym_sam_48_dd_mean vs Slug



Right In: 103.278 $\pm$ 36.008 χ^2 /NDF: 20.3/25

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF:27.4/24

Right Out: -111.547 $\pm$ 34.684 χ^2 /NDF: 25.4/29

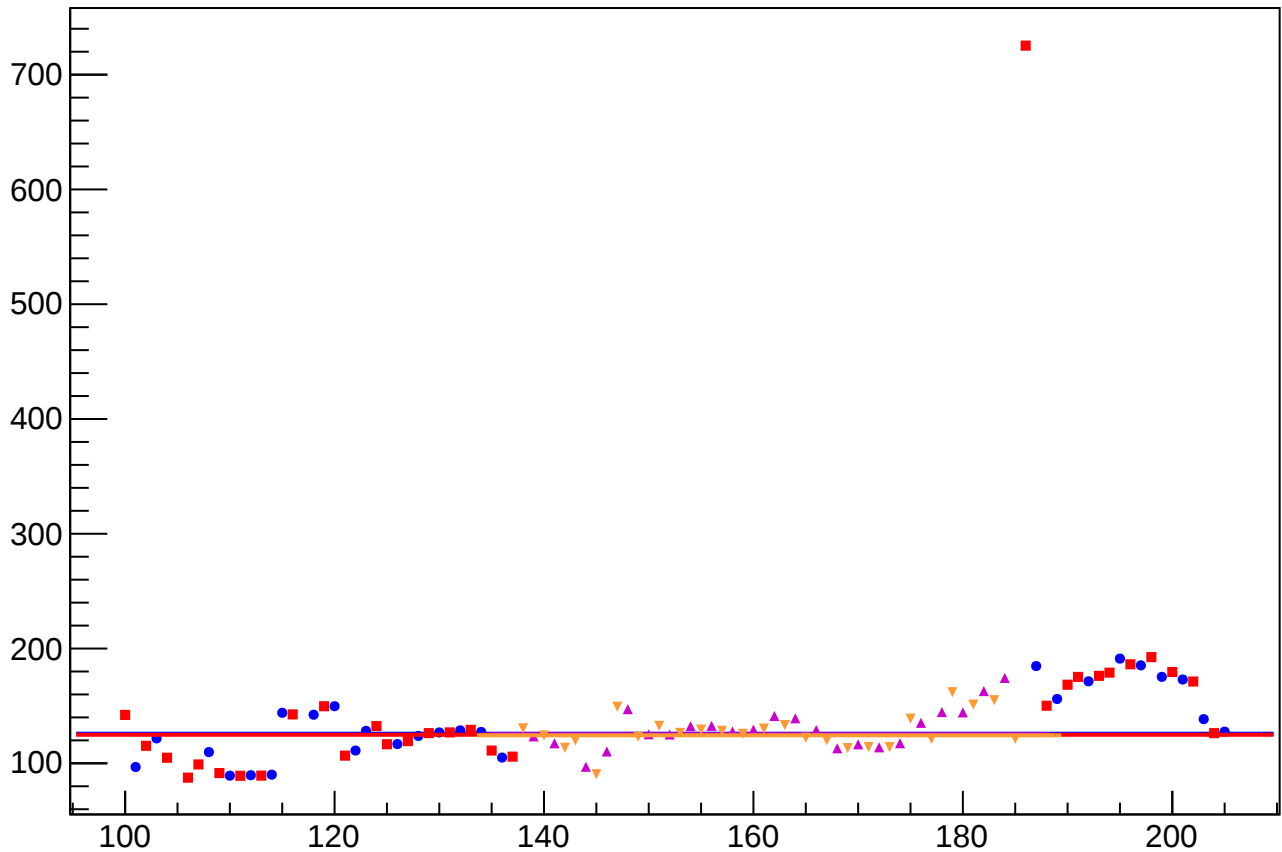
Left In: -235.801 $\pm$ 30.232 χ^2 /NDF:24.6/22

+ sign 205.418 $\pm$ 22.690 χ^2 /NDF: 61.1/50

All: 12.481 $\pm$ 16.079 χ^2 /NDF: 263.6/103

- sign -182.157 $\pm$ 22.790 χ^2 /NDF: 57.3/52

reg_asym_sam_48_dd_rms vs Slug



Right In: 125.792 $\pm$ 0.025 χ^2 /NDF: 1347121.7/25

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 124.863 $\pm$ 0.025 χ^2 /NDF: 2201348.6/29

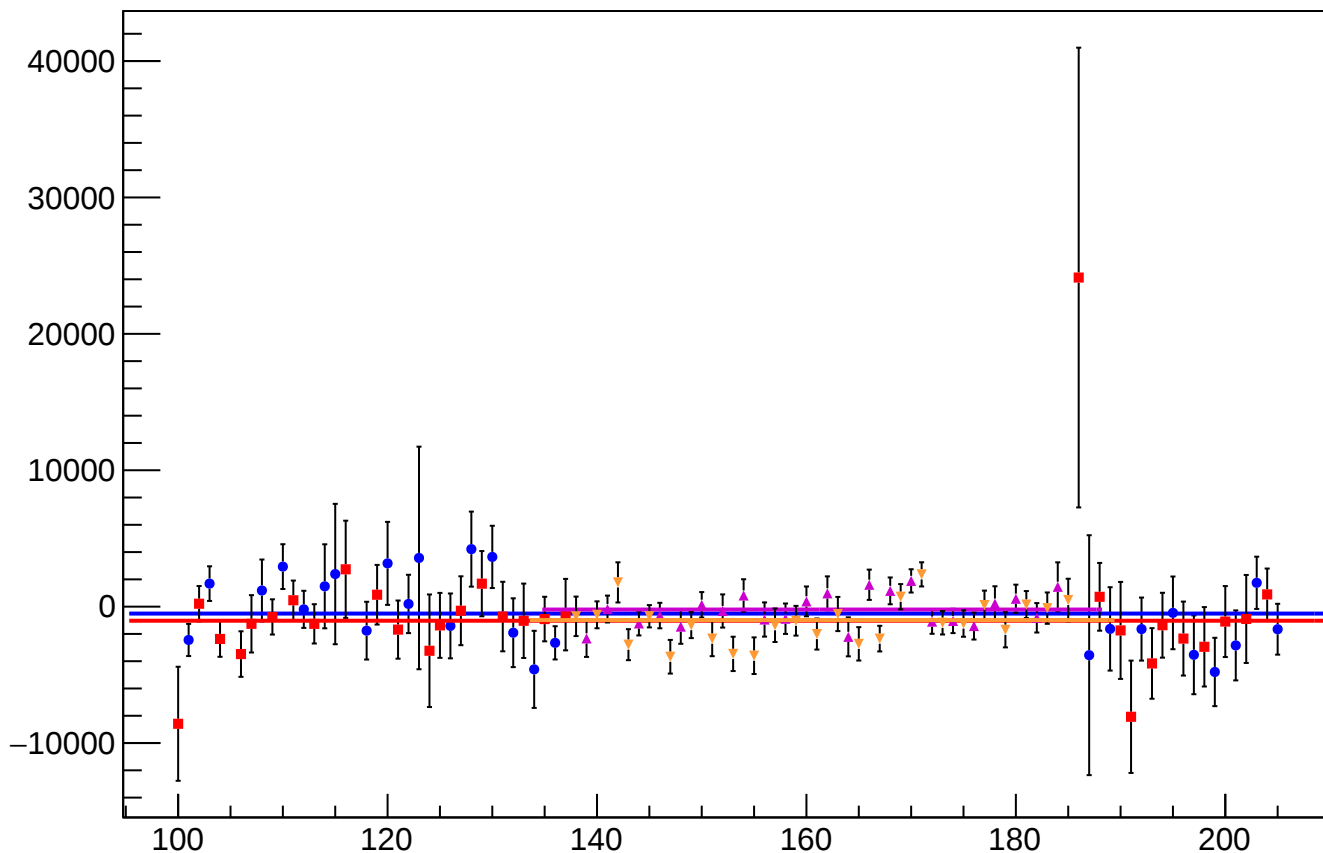
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 124.970 $\pm$ 0.016 χ^2 /NDF: 1888582.6/50

All: 125.013 $\pm$ 0.011 χ^2 /NDF: 4591444.8/103

- sign 125.057 $\pm$ 0.016 χ^2 /NDF: 2702847.5/52

asym_sam_48_dd_correction_mean vs Slug



Right In: -507.773+/-406.579 χ^2/NDF : 32.6/25

Left Out: -982.839+/-218.021 χ^2/NDF : 47.2/24

Right Out: -1032.436+/-387.178 χ^2/NDF : 21.1/29

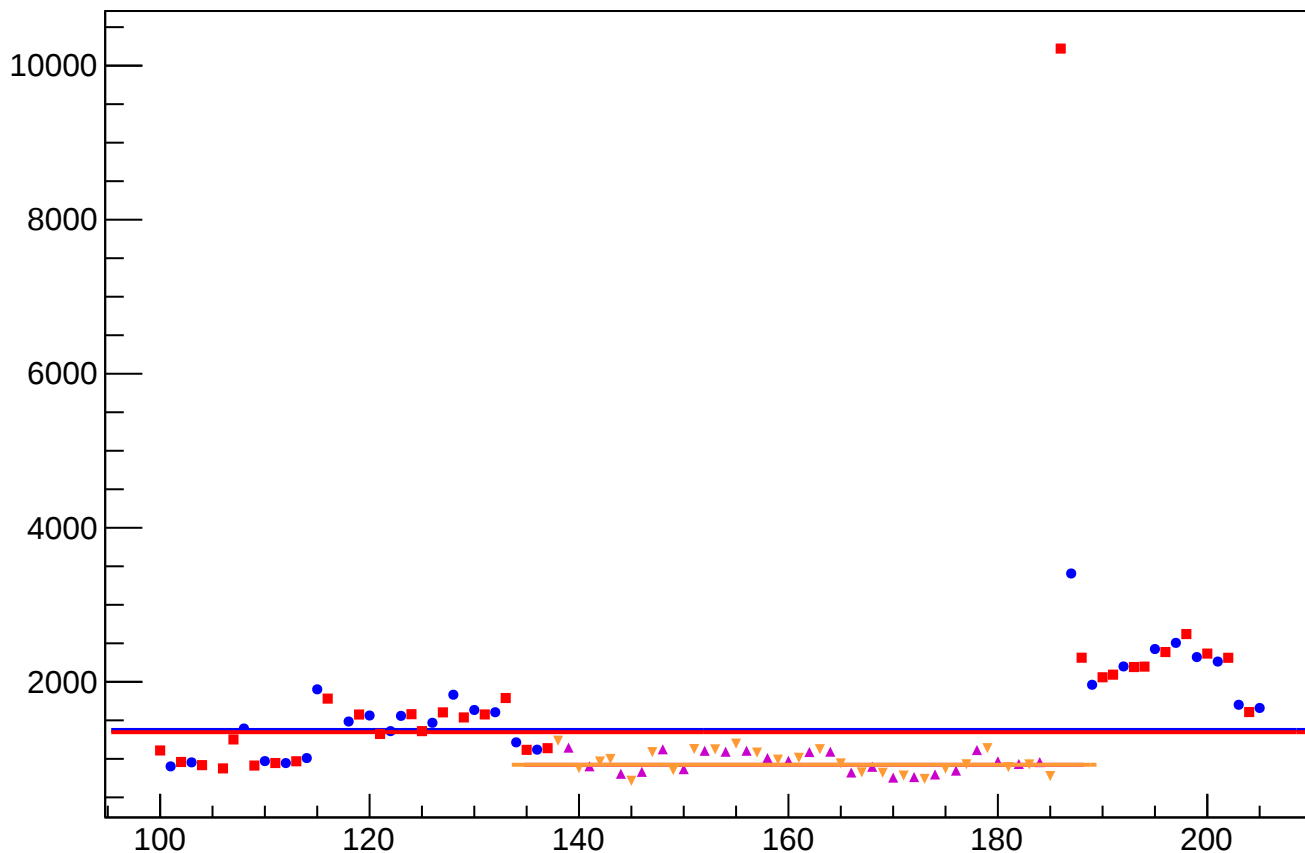
Left In: -211.420+/-223.296 χ^2/NDF : 25.7/22

+ sign -876.743+/-192.140 χ^2/NDF : 80.9/50

All: -648.086+/-136.318 χ^2/NDF : 133.9/103

- sign -416.342+/-193.432 χ^2/NDF : 50.1/52

asym_sam_48_dd_correction_rms vs Slug



Right In: 1375.198+/-0.287 χ^2/NDF : 2803769.1/25

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1346.725+/-0.274 χ^2/NDF : 3966521.8/29

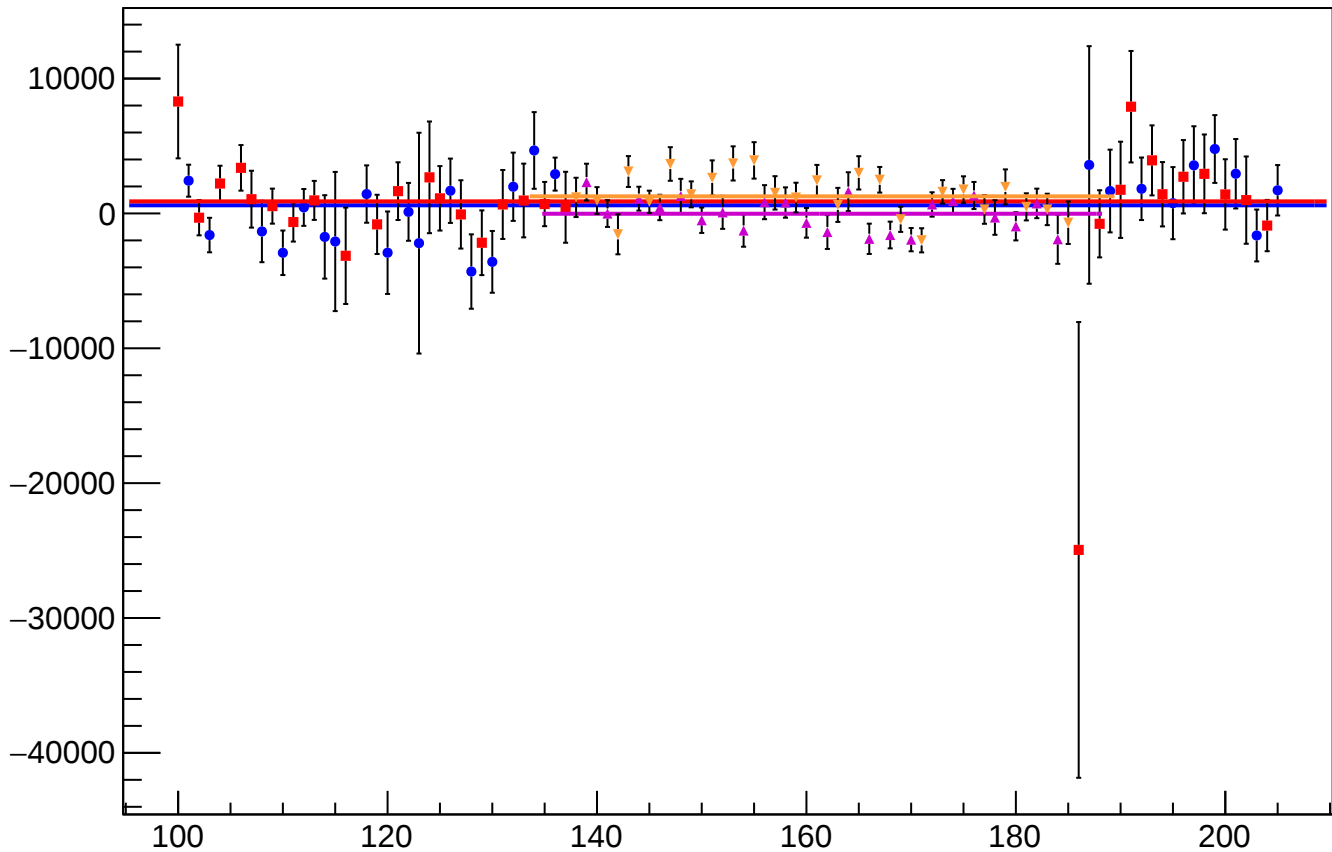
Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

+ sign 1024.444+/-0.136 χ^2/NDF : 5563022.7/50

All: 1026.306+/-0.096 χ^2/NDF : 11968556.3/100

- sign 1028.193+/-0.137 χ^2/NDF : 6405155.4/52

asym_sam_48_dd_mean vs Slug



Right In: 602.317 ± 408.406 χ^2/NDF : 32.6/25

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 894.114 ± 389.103 χ^2/NDF : 21.4/29

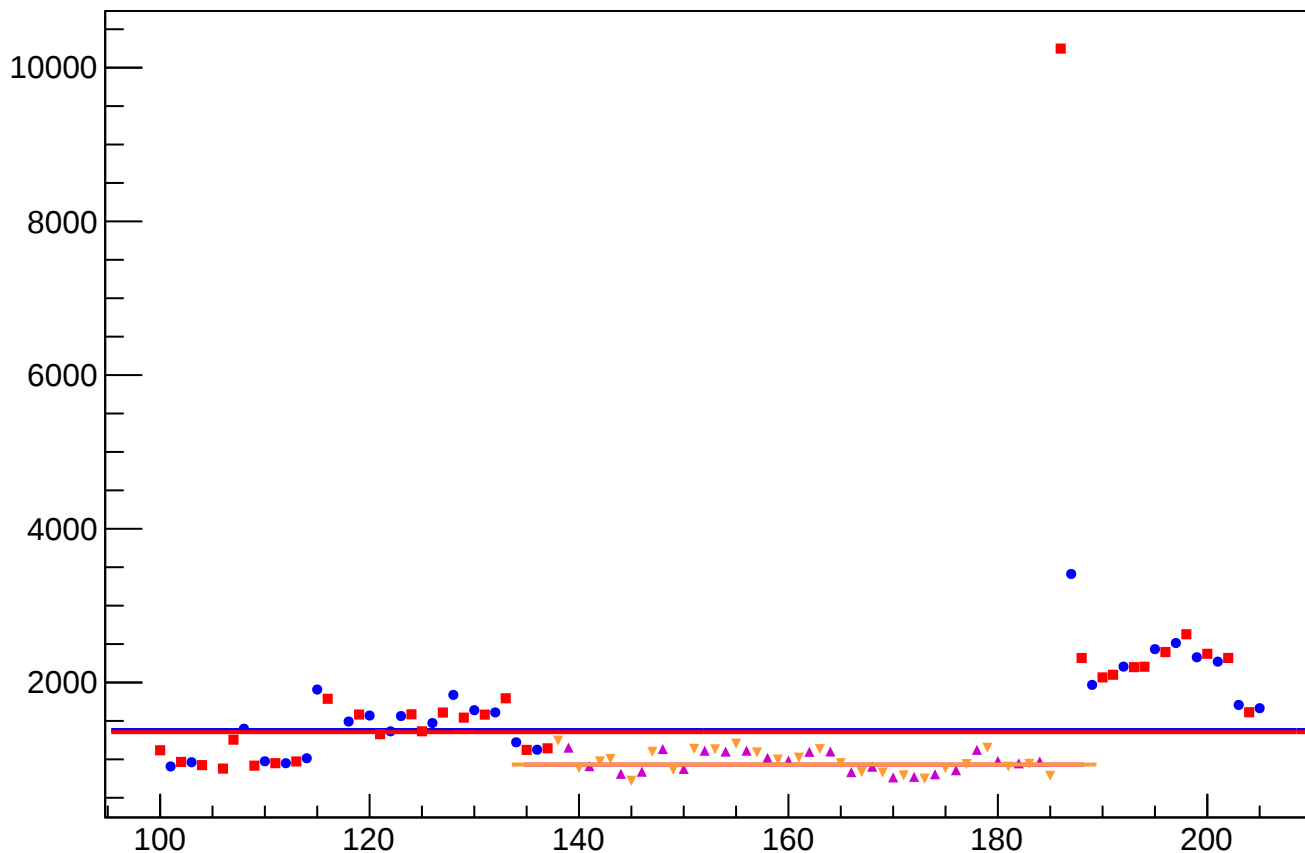
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1117.631 ± 193.777 χ^2/NDF : 79.6/50

All: 665.512 ± 137.485 χ^2/NDF : 143.2/103

- sign 207.210 ± 195.097 χ^2/NDF : 52.7/52

asym_sam_48_dd_rms vs Slug



Right In: 1381.910+/-0.289 χ^2/NDF : 2787460.0/25

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1353.789+/-0.275 χ^2/NDF : 3945844.3/29

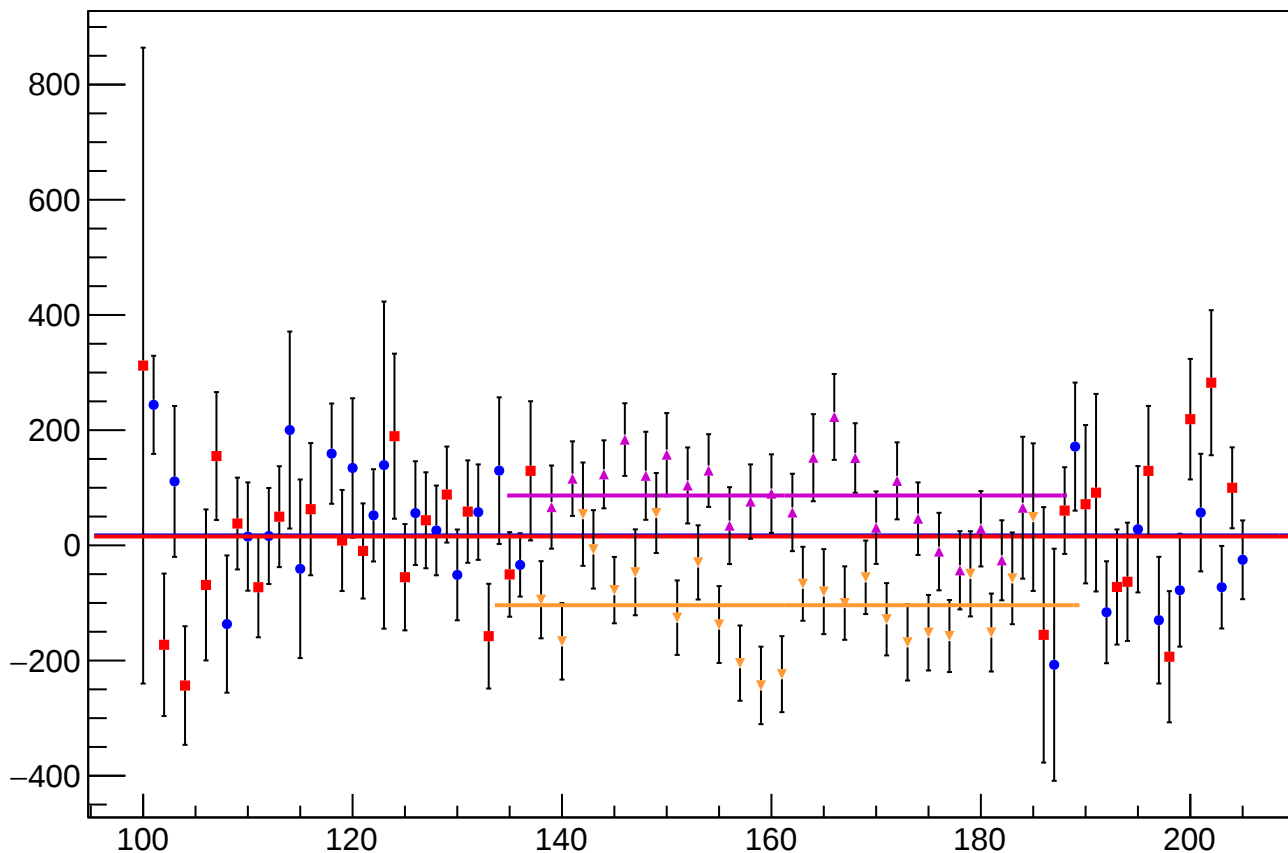
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1033.877+/-0.137 χ^2/NDF : 5491624.3/50

All: 1035.756+/-0.097 χ^2/NDF : 11825814.0/100

- sign 1037.660+/-0.138 χ^2/NDF : 6333811.2/52

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 17.277 ± 18.371 χ^2/NDF : 27.6/25

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: 15.439 ± 18.191 χ^2/NDF : 37.7/29

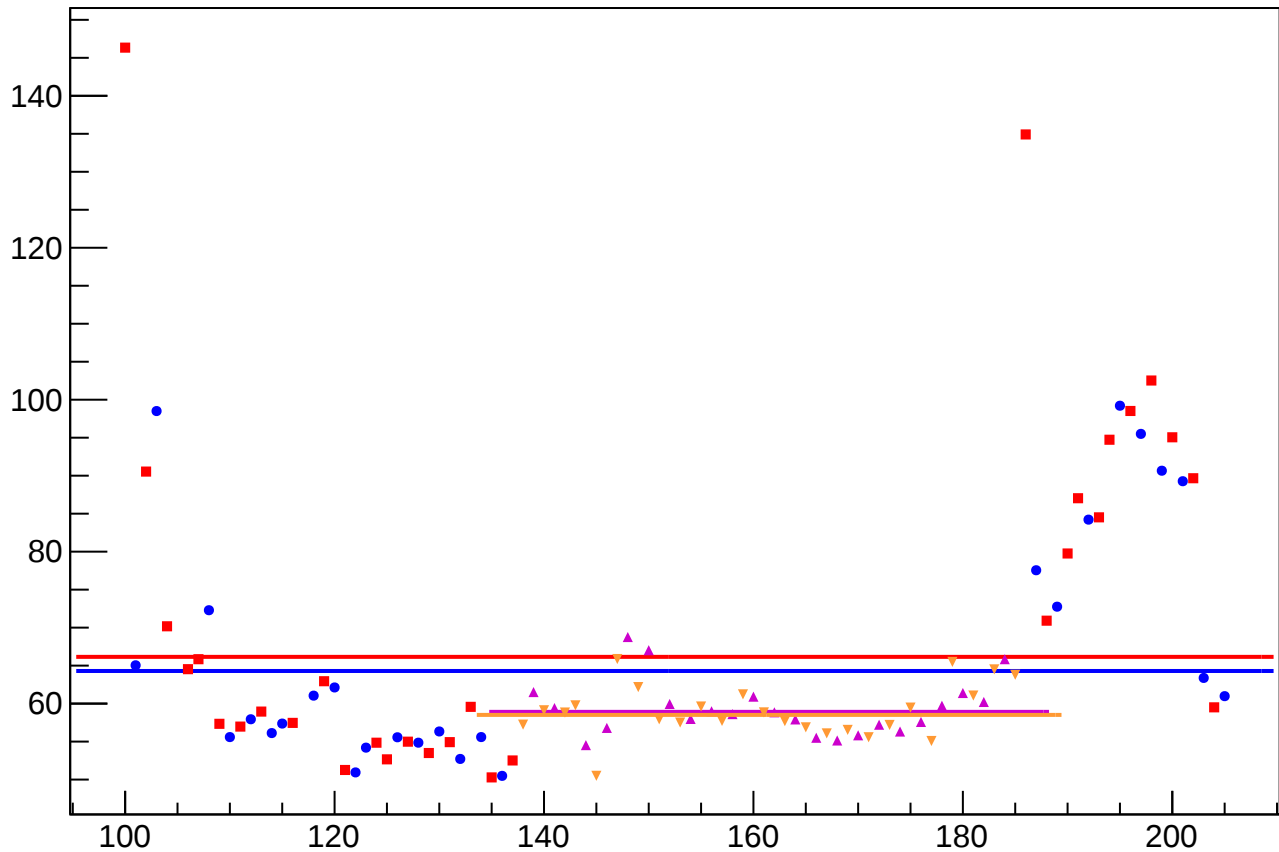
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -60.828 ± 10.953 χ^2/NDF : 85.7/50

All: -1.609 ± 7.815 χ^2/NDF : 213.8/103

- sign 59.810 ± 11.154 χ^2/NDF : 68.6/52

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.293+/-0.013 χ^2/NDF : 1242256.4/25

Left Out: 58.513+/-0.010 χ^2/NDF :123221.6/24

Right Out: 66.153+/-0.013 χ^2/NDF : 1641912.8/29

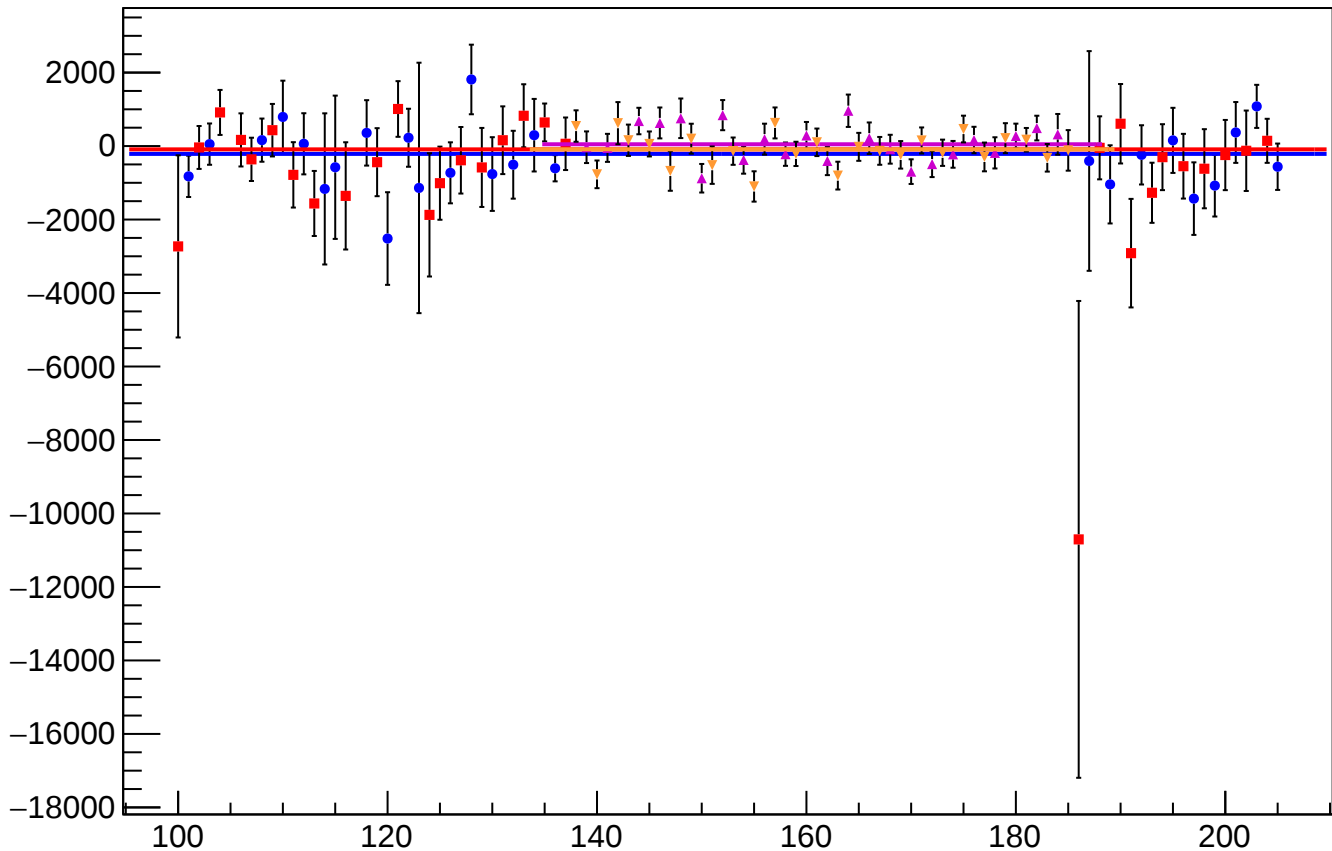
Left In: 58.913+/-0.010 χ^2/NDF :109968.0/22

+ sign 60.568+/-0.008 χ^2/NDF : 1493109.5/50

All: 61.092+/-0.006 χ^2/NDF : 3451970.8/103

- sign 61.635+/-0.008 χ^2/NDF : 1949533.8/52

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -213.286 ± 153.329 χ^2/NDF : 23.2/25

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -89.805 ± 153.506 χ^2/NDF : 26.2/29

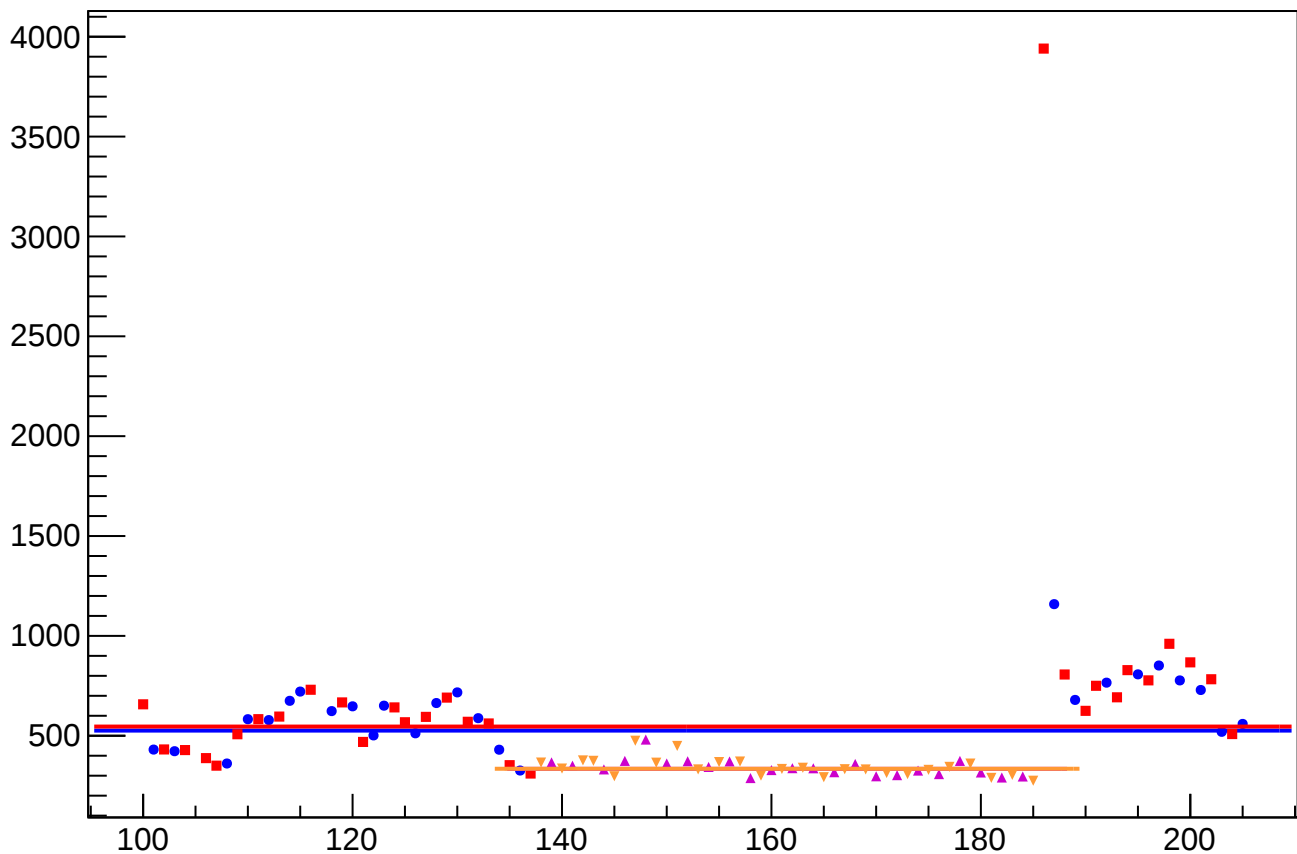
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -113.620 ± 69.915 χ^2/NDF : 51.5/50

All: -48.717 ± 49.928 χ^2/NDF : 115.4/103

- sign 18.831 ± 71.325 χ^2/NDF : 62.2/52

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 525.821 $\pm$ 0.108 χ^2 /NDF: 2181646.6/25

Left Out: 334.749 $\pm$ 0.056 χ^2 /NDF: 491370.4/24

Right Out: 545.973 $\pm$ 0.109 χ^2 /NDF: 2928804.6/29

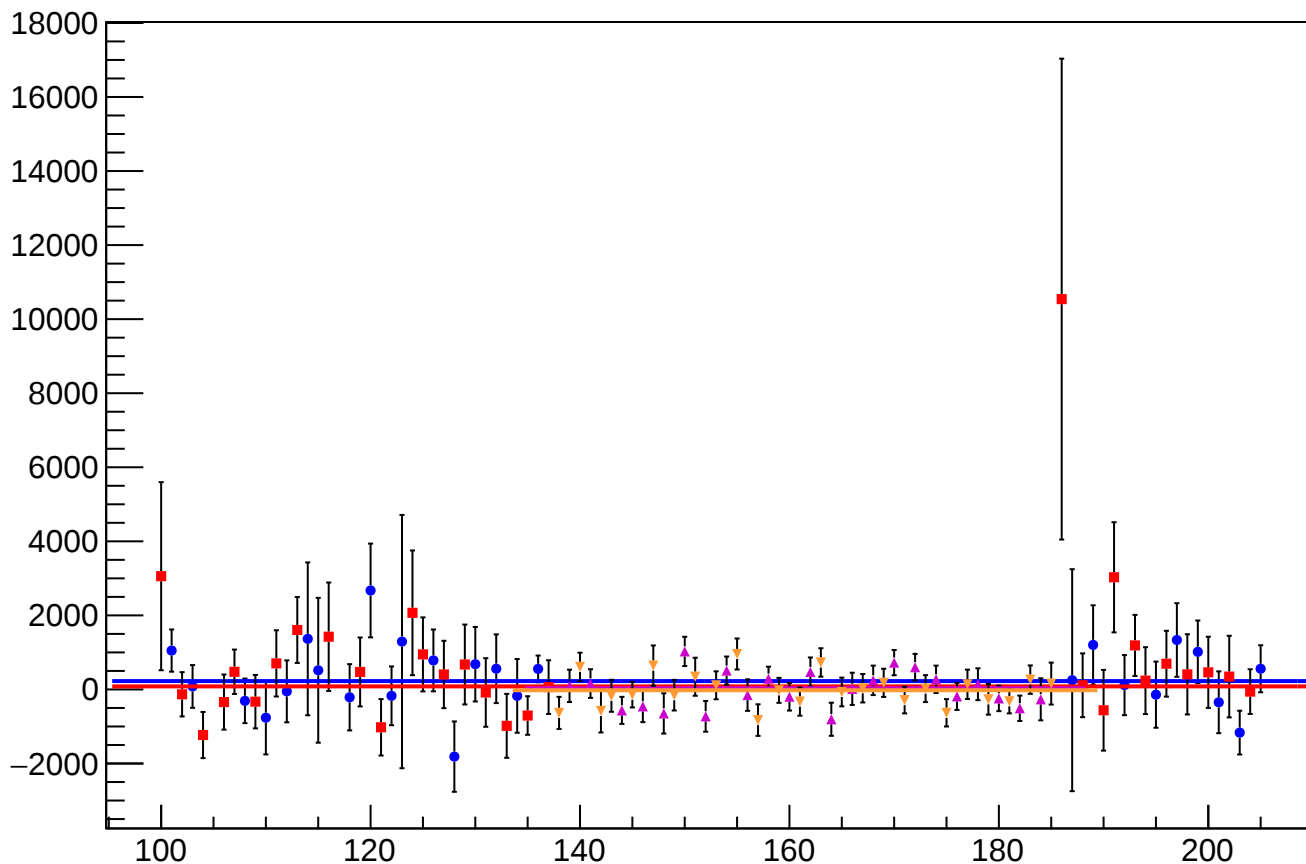
Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

+ sign 374.476 $\pm$ 0.049 χ^2 /NDF: 5133094.8/50

All: 377.123 $\pm$ 0.035 χ^2 /NDF: 11451126.5/10

- sign 379.878 $\pm$ 0.050 χ^2 /NDF: 6312180.6/52

asym_sam_13_57_dd_mean vs Slug



Right In: 225.634 $\pm$ 154.912 χ^2 /NDF: 24.5/25

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 82.358 $\pm$ 155.157 χ^2 /NDF: 29.5/29

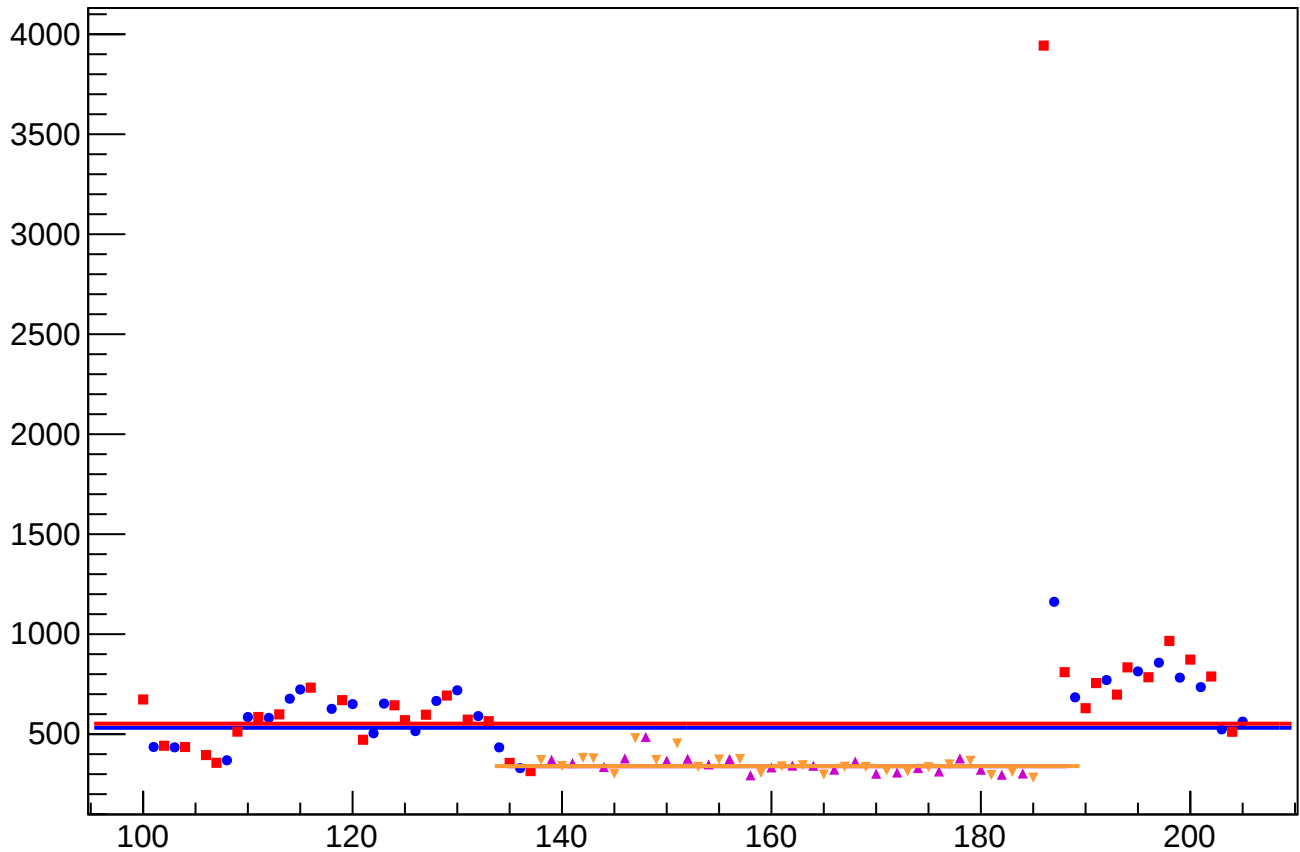
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 30.817 $\pm$ 70.949 χ^2 /NDF: 53.7/50

All: 36.690 $\pm$ 50.669 χ^2 /NDF: 117.3/103

- sign 42.804 $\pm$ 72.387 χ^2 /NDF: 63.6/52

asym_sam_13_57_dd_rms vs Slug



Right In: 531.920 $\pm$ 0.110 χ^2 /NDF: 2125727.2/25

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 552.430 $\pm$ 0.110 χ^2 /NDF: 2867441.5/29

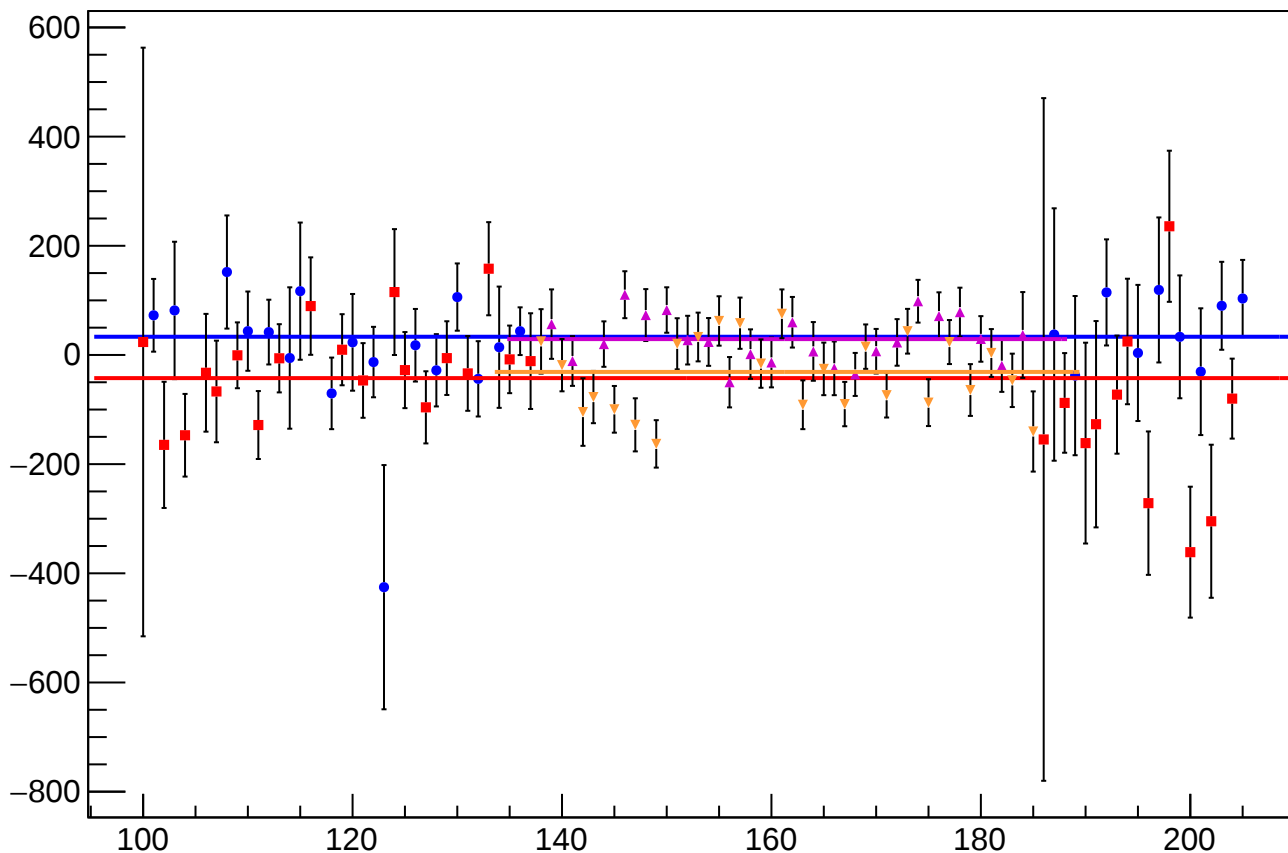
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 380.445 $\pm$ 0.050 χ^2 /NDF: 5014408.8/50

All: 383.138 $\pm$ 0.036 χ^2 /NDF: 11211012.5/10

- sign 385.941 $\pm$ 0.051 χ^2 /NDF: 6190723.5/52

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 33.368 ± 15.950 $\chi^2/\text{NDF}: 16.4/25$

Left Out: -31.063 ± 9.170 $\chi^2/\text{NDF}: 52.6/24$

Right Out: -42.417 ± 15.718 $\chi^2/\text{NDF}: 36.7/29$

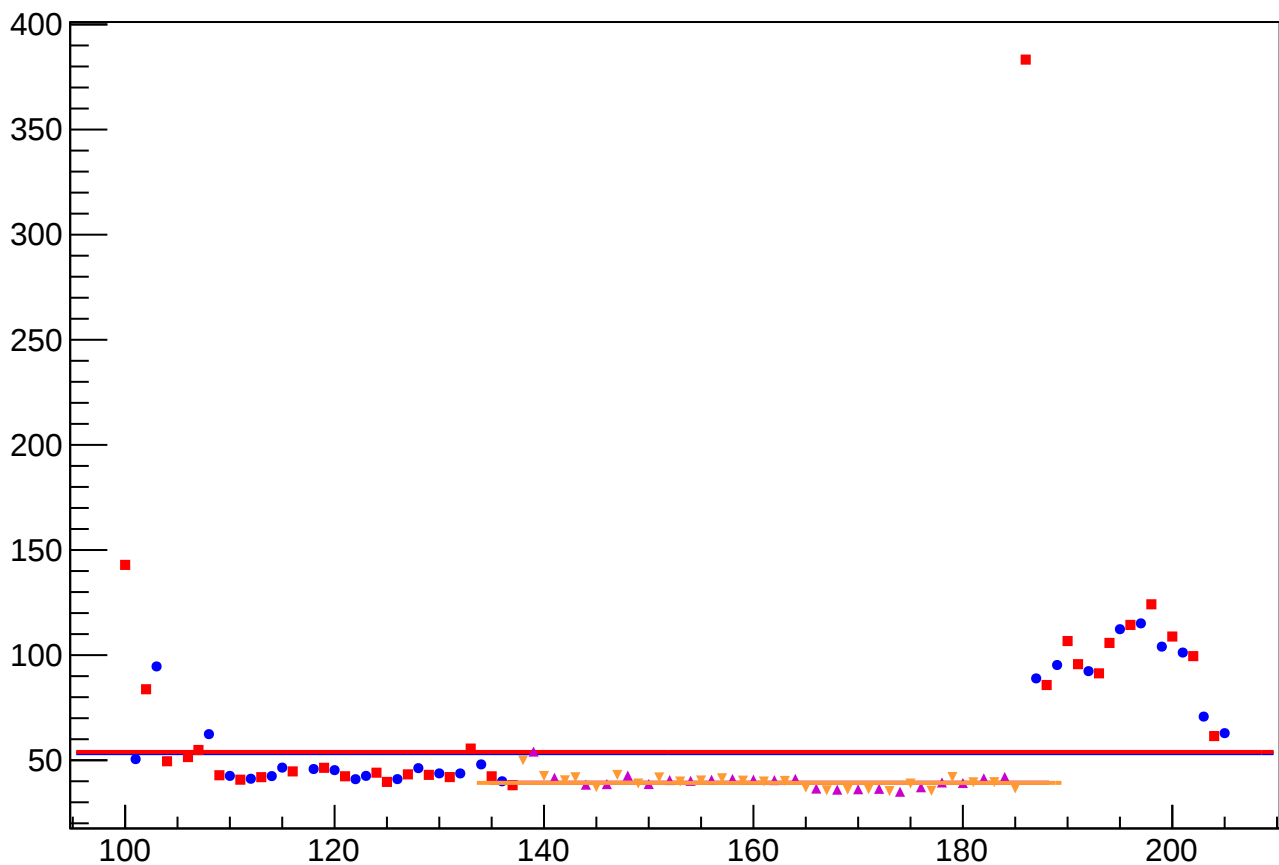
Left In: 29.055 ± 9.449 $\chi^2/\text{NDF}: 22.4/22$

+ sign -15.057 ± 7.950 $\chi^2/\text{NDF}: 81.3/50$

All: -2.721 ± 5.673 $\chi^2/\text{NDF}: 160.6/103$

- sign 10.082 ± 8.099 $\chi^2/\text{NDF}: 74.4/52$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 53.375 $\pm$ 0.011 χ^2 /NDF: 3164864.5/25

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 53.953 $\pm$ 0.011 χ^2 /NDF: 4227970.4/29

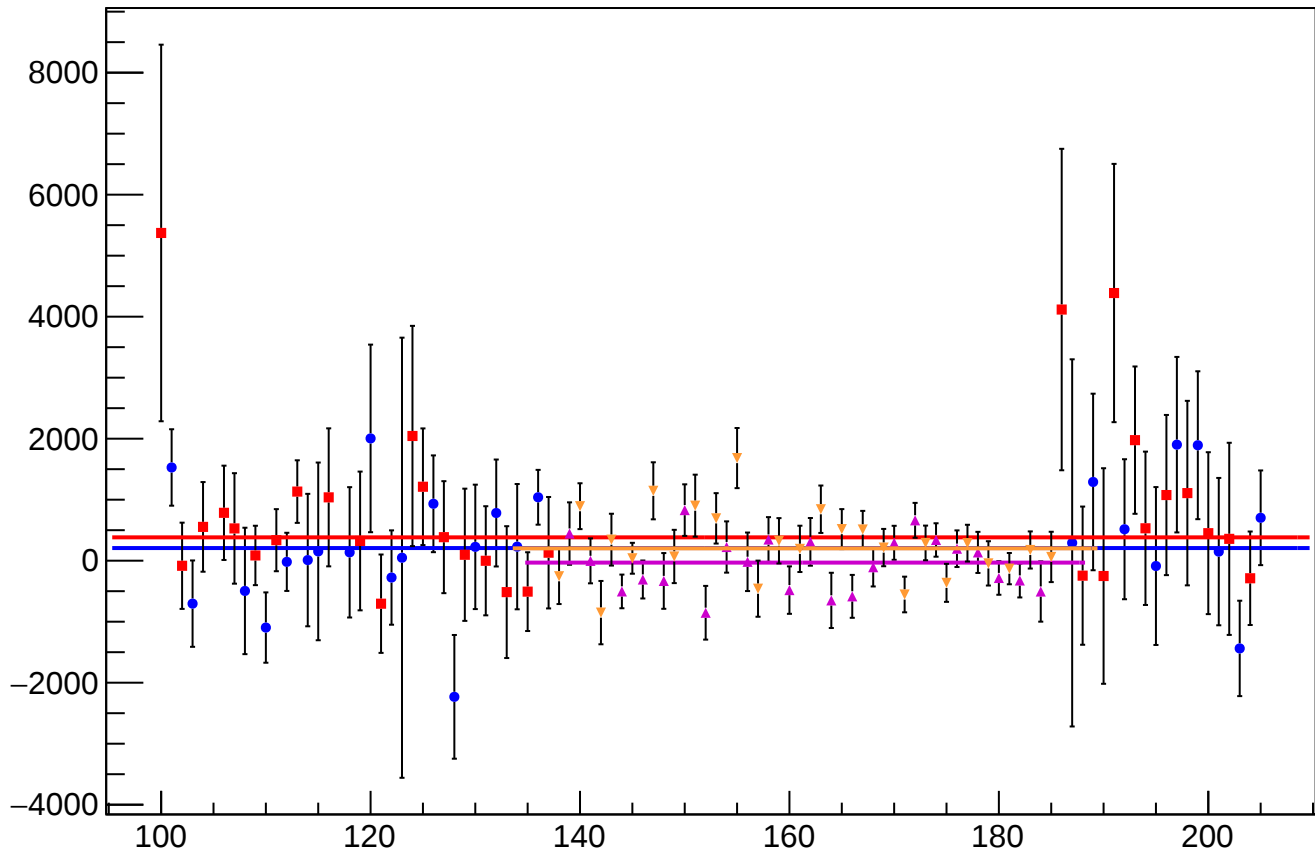
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 42.748 $\pm$ 0.006 χ^2 /NDF: 4548160.8/50

All: 42.978 $\pm$ 0.004 χ^2 /NDF: 10265189.1/103

- sign 43.218 $\pm$ 0.006 χ^2 /NDF: 5713591.6/52

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 207.108 $\pm$ 168.858 χ^2 /NDF: 33.0/25

Left Out: 202.369 $\pm$ 70.426 χ^2 /NDF:44.8/24

Right Out: 382.537 $\pm$ 163.414 χ^2 /NDF: 21.7/29

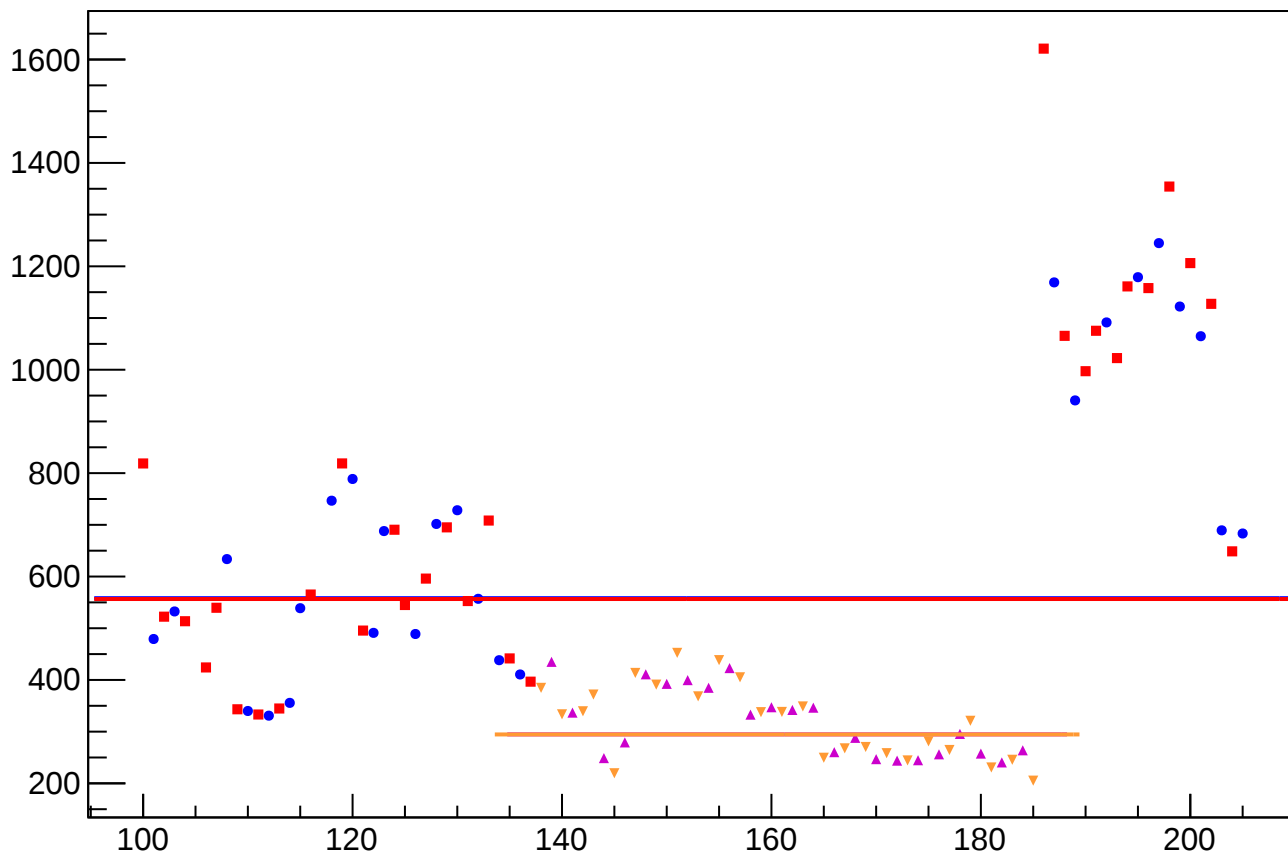
Left In: -31.548 $\pm$ 72.100 χ^2 /NDF:33.4/22

+ sign 203.071 $\pm$ 64.999 χ^2 /NDF: 77.8/50

All: 120.731 $\pm$ 46.299 χ^2 /NDF: 141.5/103

- sign 35.926 $\pm$ 65.965 χ^2 /NDF: 60.4/52

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 558.127+/-0.119 χ^2/NDF : 3798657.9/25

Left Out: 294.591+/-0.050 χ^2/NDF : 1680474.5/24

Right Out: 556.528+/-0.116 χ^2/NDF : 5008083.0/29

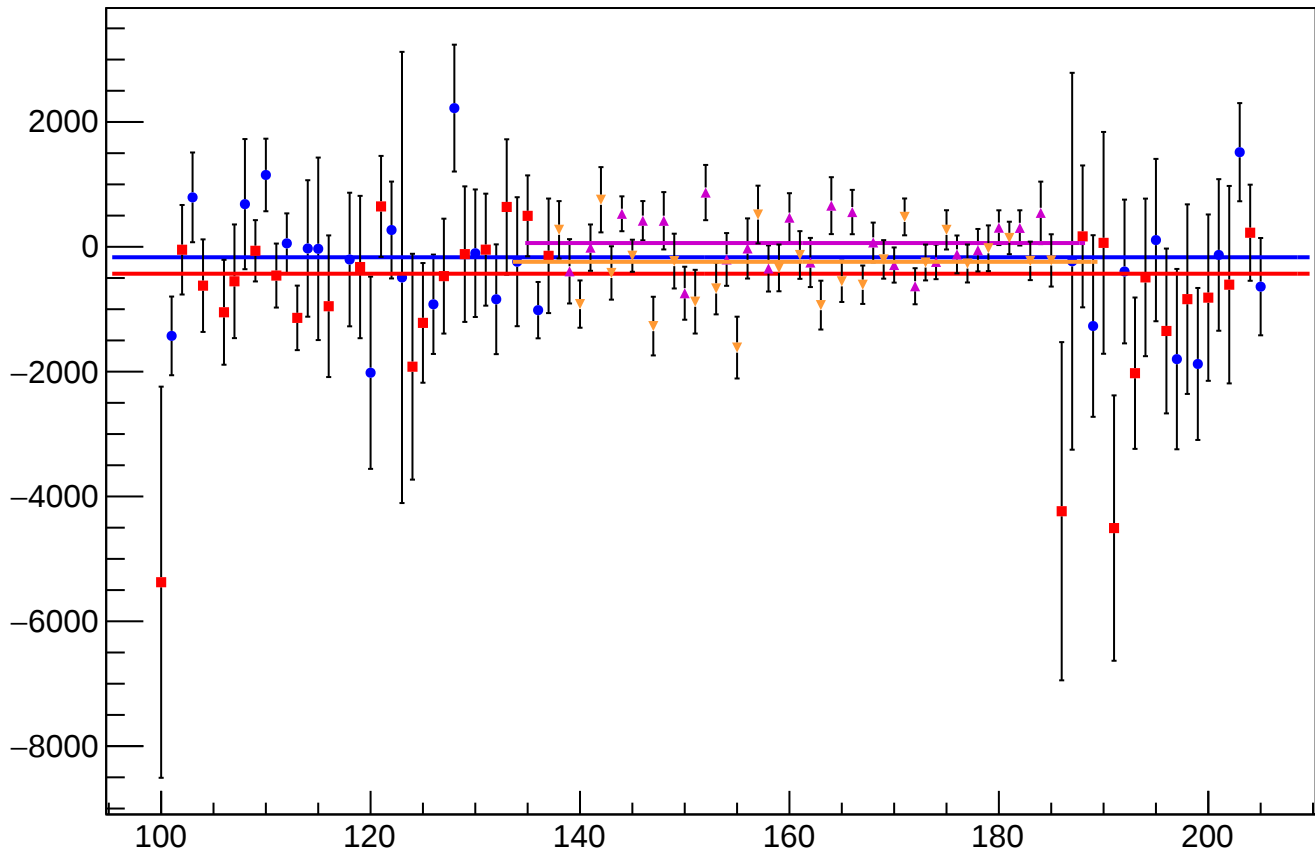
Left In: 294.722+/-0.051 χ^2/NDF : 1297310.3/22

+ sign 333.640+/-0.046 χ^2/NDF : 9628802.6/50

All: 335.484+/-0.033 χ^2/NDF : 20234449.6/10

- sign 337.382+/-0.047 χ^2/NDF : 10602381.8/52

asym_sam_15_37_dd_mean vs Slug



Right In: -167.536 ± 169.858 χ^2/NDF : 33.0/25

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -431.165 ± 164.972 χ^2/NDF : 21.7/29

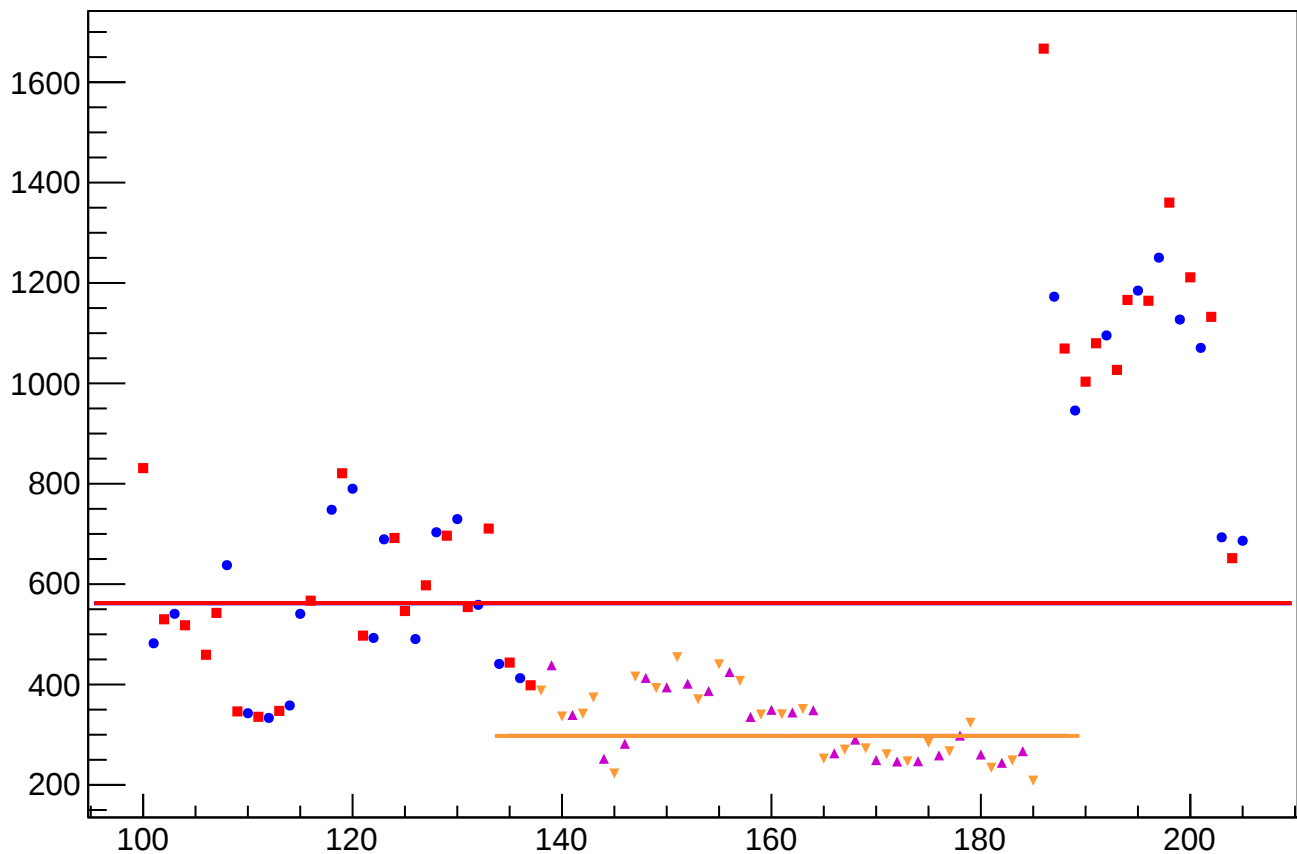
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -229.500 ± 65.586 χ^2/NDF : 76.1/50

All: -126.229 ± 46.729 χ^2/NDF : 141.1/103

- sign -19.759 ± 66.594 χ^2/NDF : 60.0/52

asym_sam_15_37_dd_rms vs Slug



Right In: 561.692 $\pm$ 0.120 χ^2 /NDF: 3779923.8/25

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF:1637757.8/24

Right Out: 562.364 $\pm$ 0.117 χ^2 /NDF: 4960477.8/29

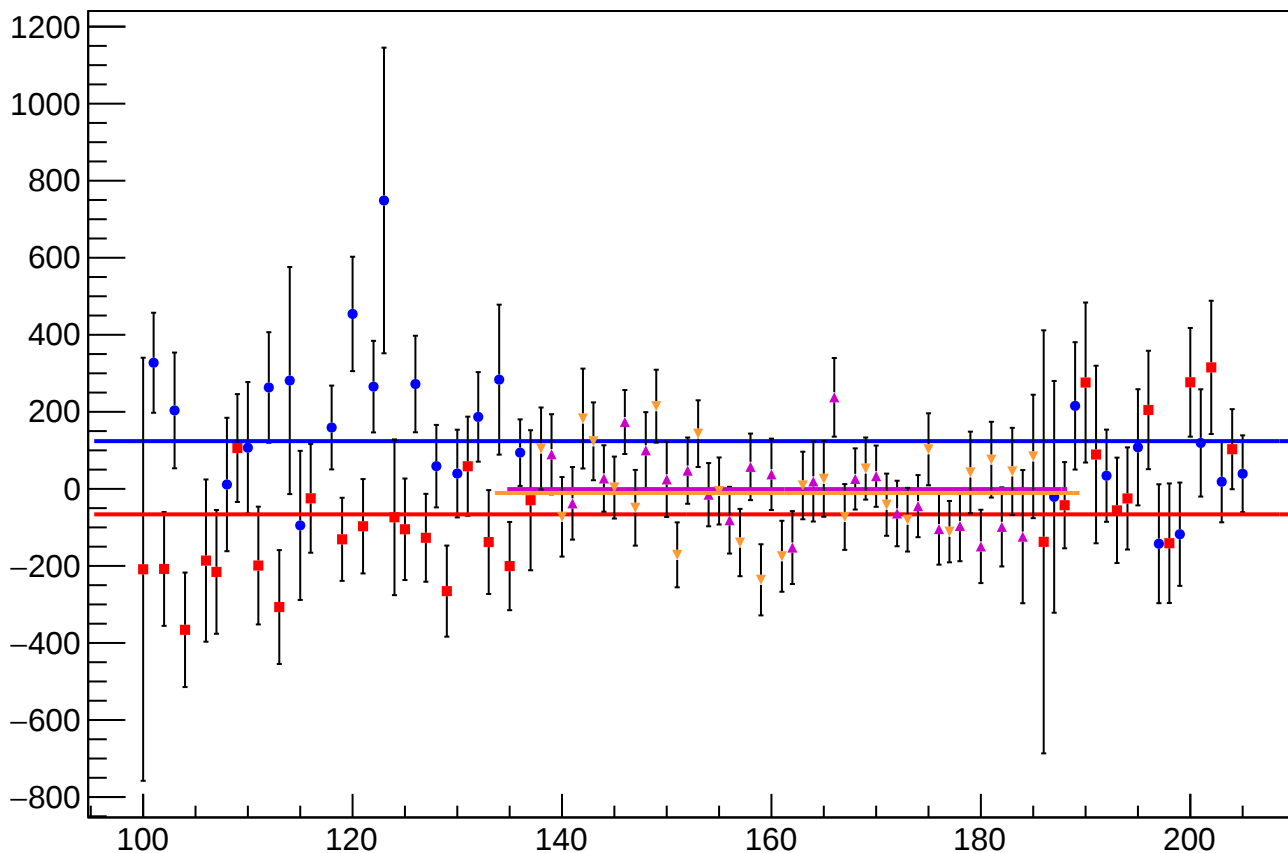
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF:1266306.2/22

+ sign 336.985 $\pm$ 0.046 χ^2 /NDF: 9531159.8/50

All: 338.876 $\pm$ 0.033 χ^2 /NDF: 20070089.8/10

- sign 340.826 $\pm$ 0.047 χ^2 /NDF: 10535552.6/52

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 123.926 $\pm$ 26.454 χ^2 /NDF: 27.1/25

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -66.120 $\pm$ 26.298 χ^2 /NDF: 37.6/29

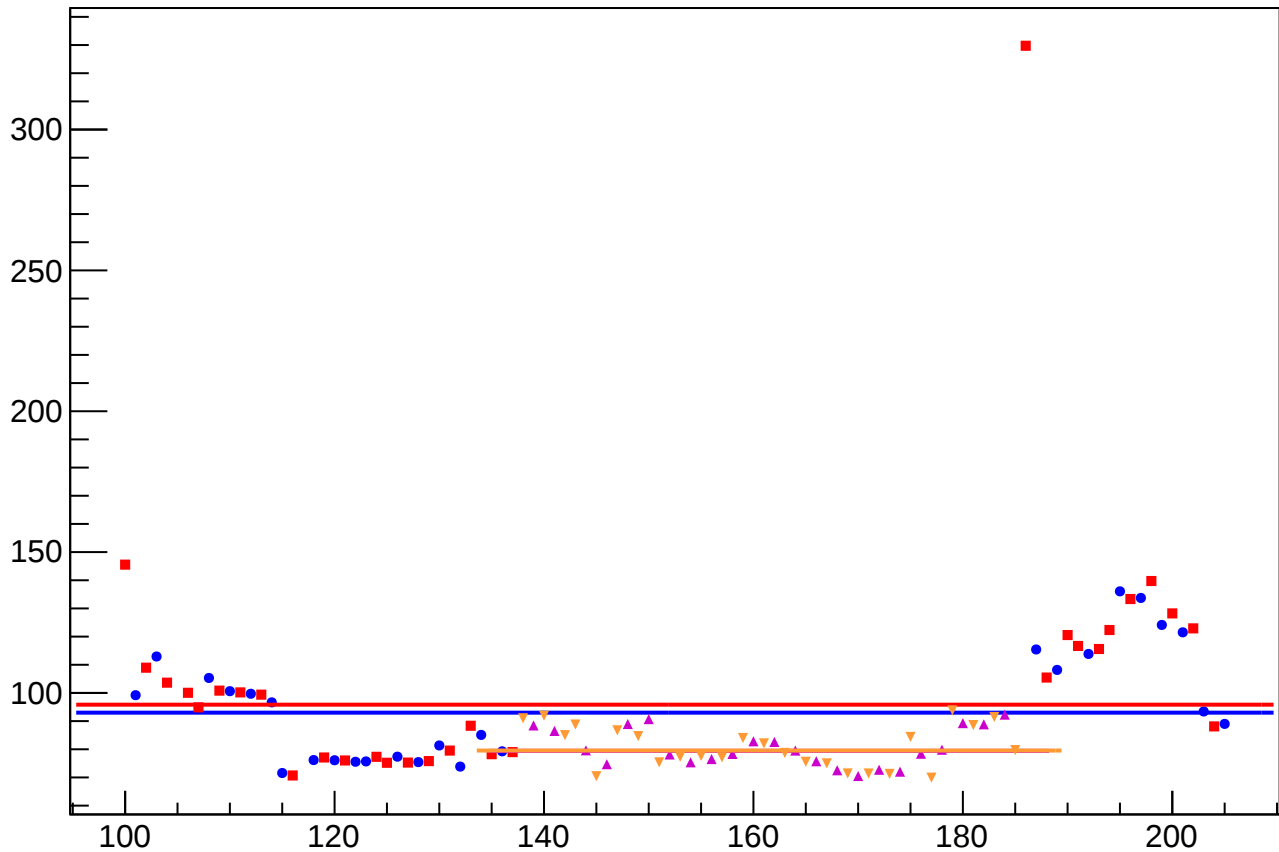
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 33.890 $\pm$ 15.221 χ^2 /NDF: 80.7/50

All: 5.772 $\pm$ 10.843 χ^2 /NDF: 153.1/103

- sign -23.197 $\pm$ 15.449 χ^2 /NDF: 65.5/52

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 93.002 $\pm$ 0.019 χ^2 /NDF: 1003470.3/25

Left Out: 79.551 $\pm$ 0.013 χ^2 /NDF: 309075.2/24

Right Out: 95.831 $\pm$ 0.019 χ^2 /NDF: 1499236.6/29

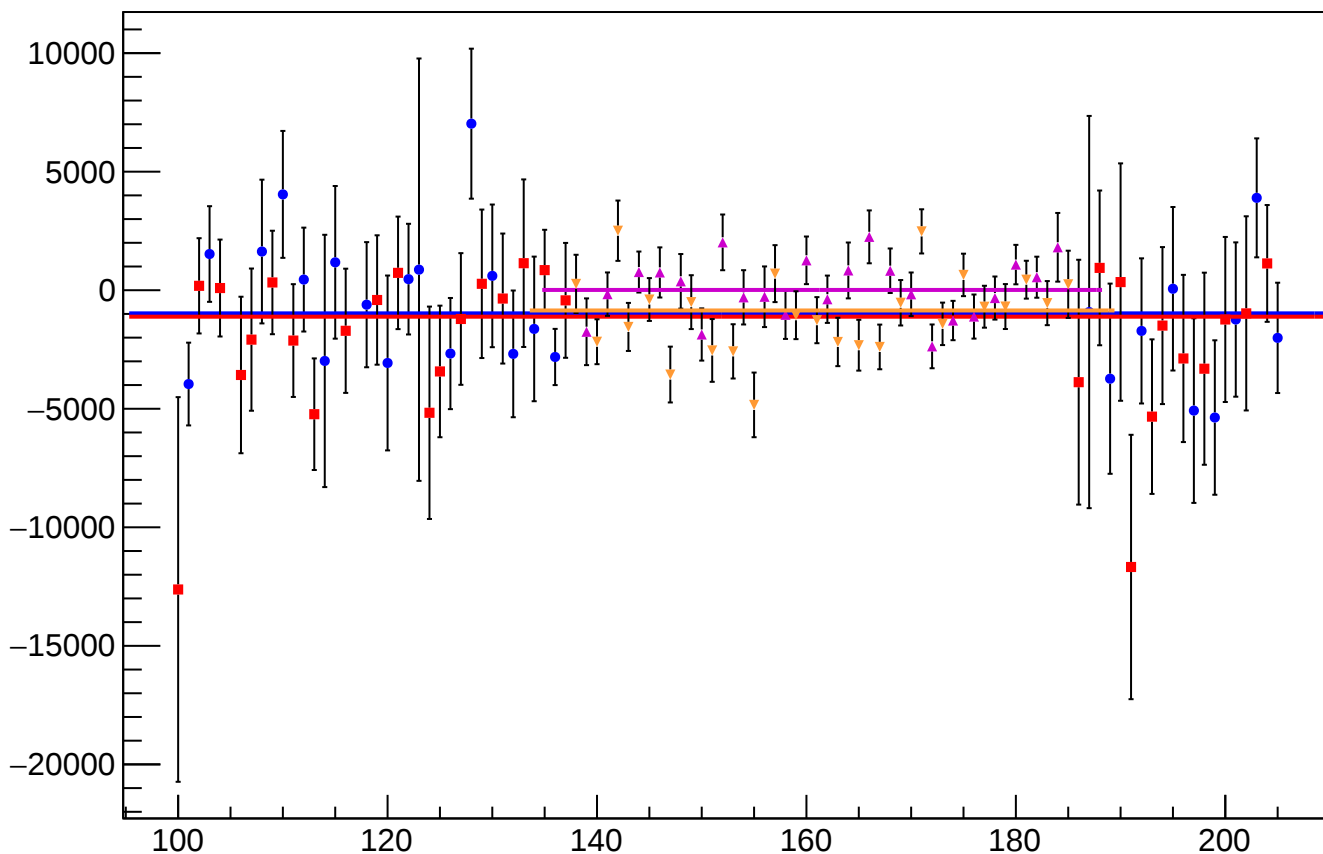
Left In: 79.436 $\pm$ 0.013 χ^2 /NDF: 212440.1/22

+ sign 84.004 $\pm$ 0.011 χ^2 /NDF: 1658428.0/50

All: 84.541 $\pm$ 0.008 χ^2 /NDF: 3884201.7/103

- sign 85.095 $\pm$ 0.011 χ^2 /NDF: 2220712.8/52

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -976.235+/-513.471 χ^2 /NDF: 28.1/25

Left Out: -854.130+/-204.090 χ^2 /NDF:56.0/24

Right Out: -1116.586+/-519.309 χ^2 /NDF: 18.9/29

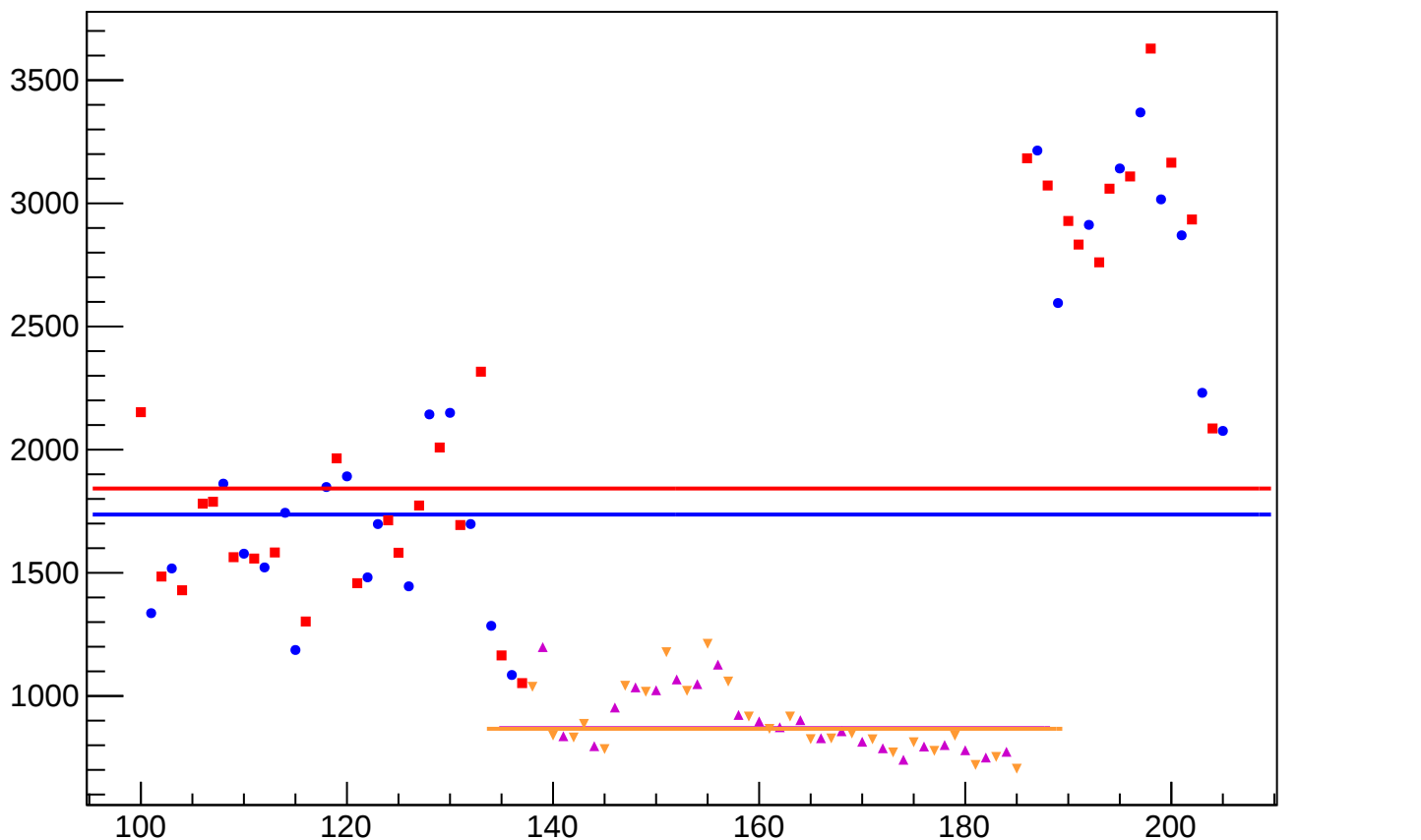
Left In: 11.687+/-210.073 χ^2 /NDF:31.2/22

+ sign -870.789+/-189.658 χ^2 /NDF: 84.1/50

All: -518.456+/-135.870 χ^2 /NDF: 145.3/103

- sign -146.979+/-194.743 χ^2 /NDF: 54.1/52

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1736.607 $\pm$ 0.363 χ^2/NDF : 2803367.3/25

Left Out: 866.893 $\pm$ 0.144 χ^2/NDF : 661712.5/24

Right Out: 1842.336 $\pm$ 0.367 χ^2/NDF : 3077635.4/29

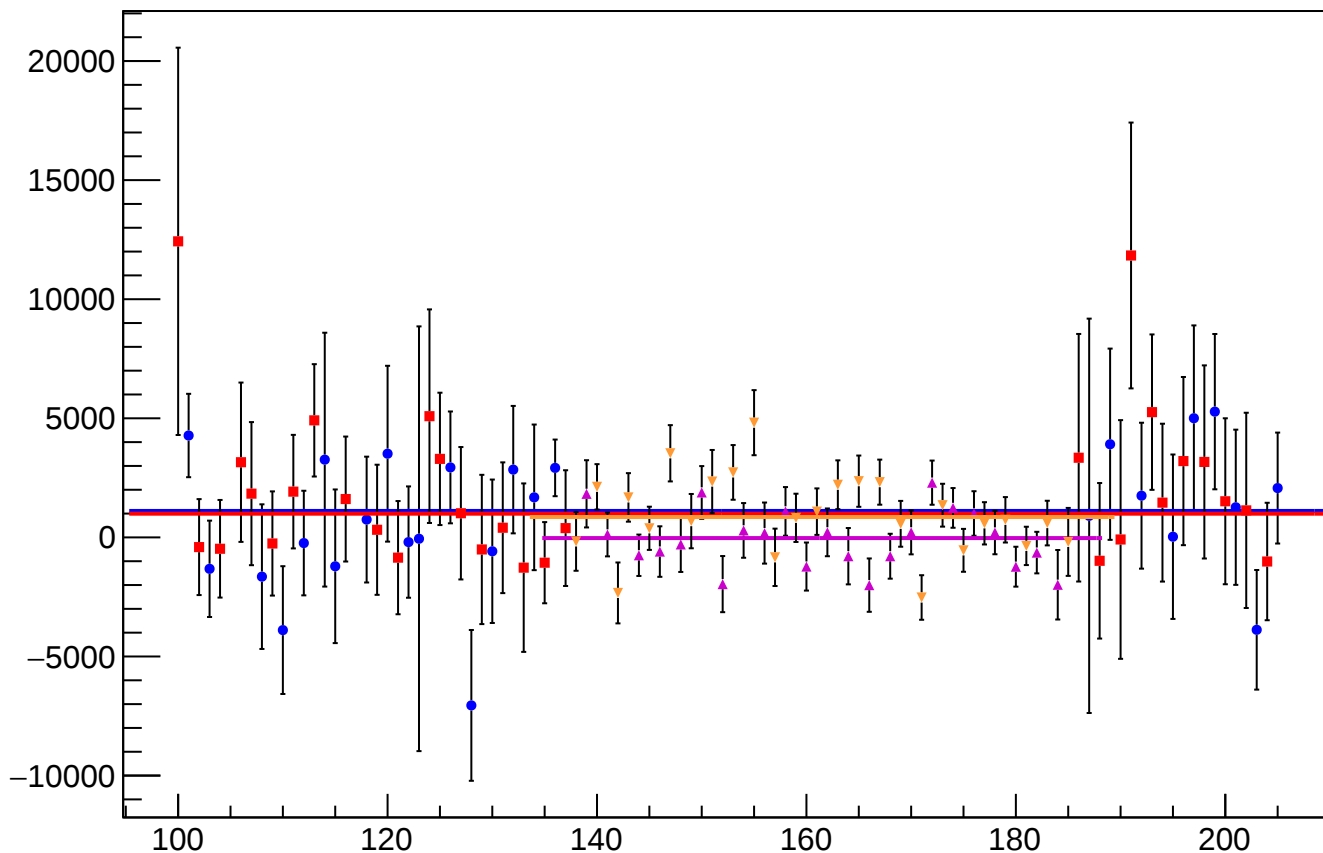
Left In: 869.569 $\pm$ 0.149 χ^2/NDF : 582301.2/22

+ sign 985.548 $\pm$ 0.134 χ^2/NDF : 8420130.8/50

All: 995.682 $\pm$ 0.096 χ^2/NDF : 18122627.9/10

- sign 1006.367 $\pm$ 0.138 χ^2/NDF : 9690766.6/52

asym_sam_24_68_dd_mean vs Slug



Right In: 1110.214 $\pm$ 514.400 χ^2 /NDF: 28.6/25

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 995.736 $\pm$ 520.342 χ^2 /NDF: 18.6/29

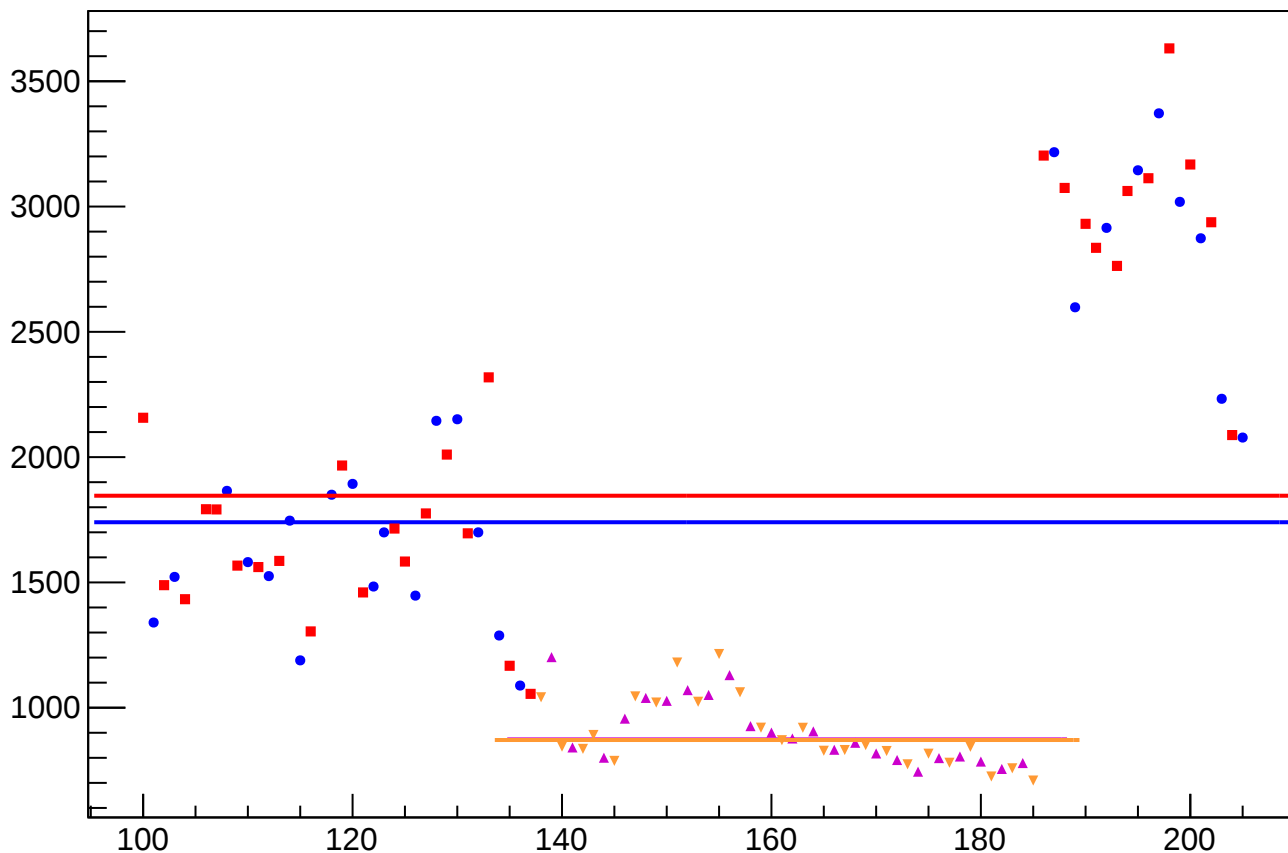
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 890.565 $\pm$ 190.472 χ^2 /NDF: 82.8/50

All: 513.557 $\pm$ 136.448 χ^2 /NDF: 142.6/103

- sign 116.129 $\pm$ 195.562 χ^2 /NDF: 51.7/52

asym_sam_24_68_dd_rms vs Slug



Right In: 1740.177 $\pm$ 0.364 χ^2 /NDF: 2792799.0/25

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

Right Out: 1845.994 $\pm$ 0.368 χ^2 /NDF: 3070196.1/29

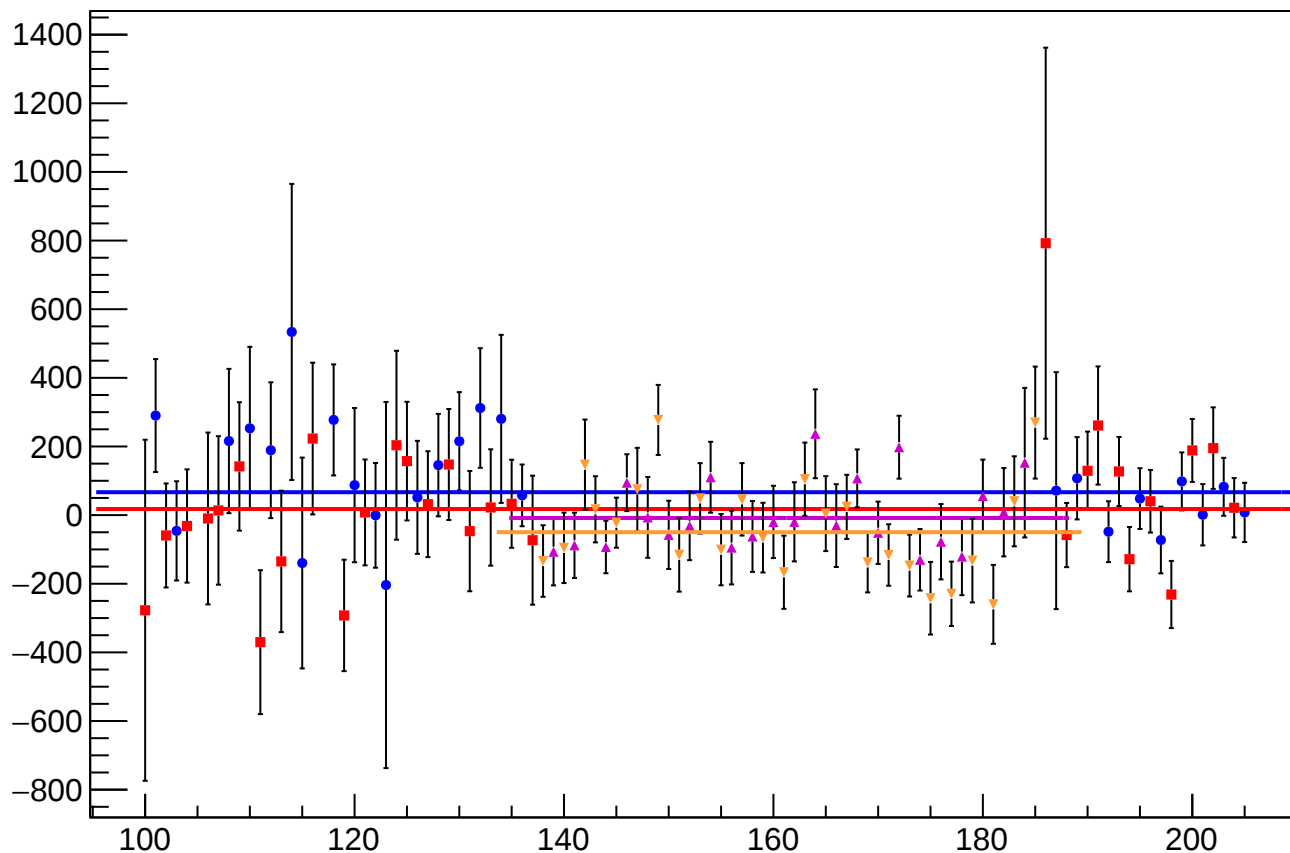
Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

+ sign 990.264 $\pm$ 0.135 χ^2 /NDF: 8370517.6/50

All: 1000.367 $\pm$ 0.096 χ^2 /NDF: 18023115.8/1

- sign 1011.016 $\pm$ 0.138 χ^2 /NDF: 9641041.2/52

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 66.732 ± 25.375 χ^2/NDF : 16.9/25

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: 17.738 ± 25.249 χ^2/NDF : 33.1/29

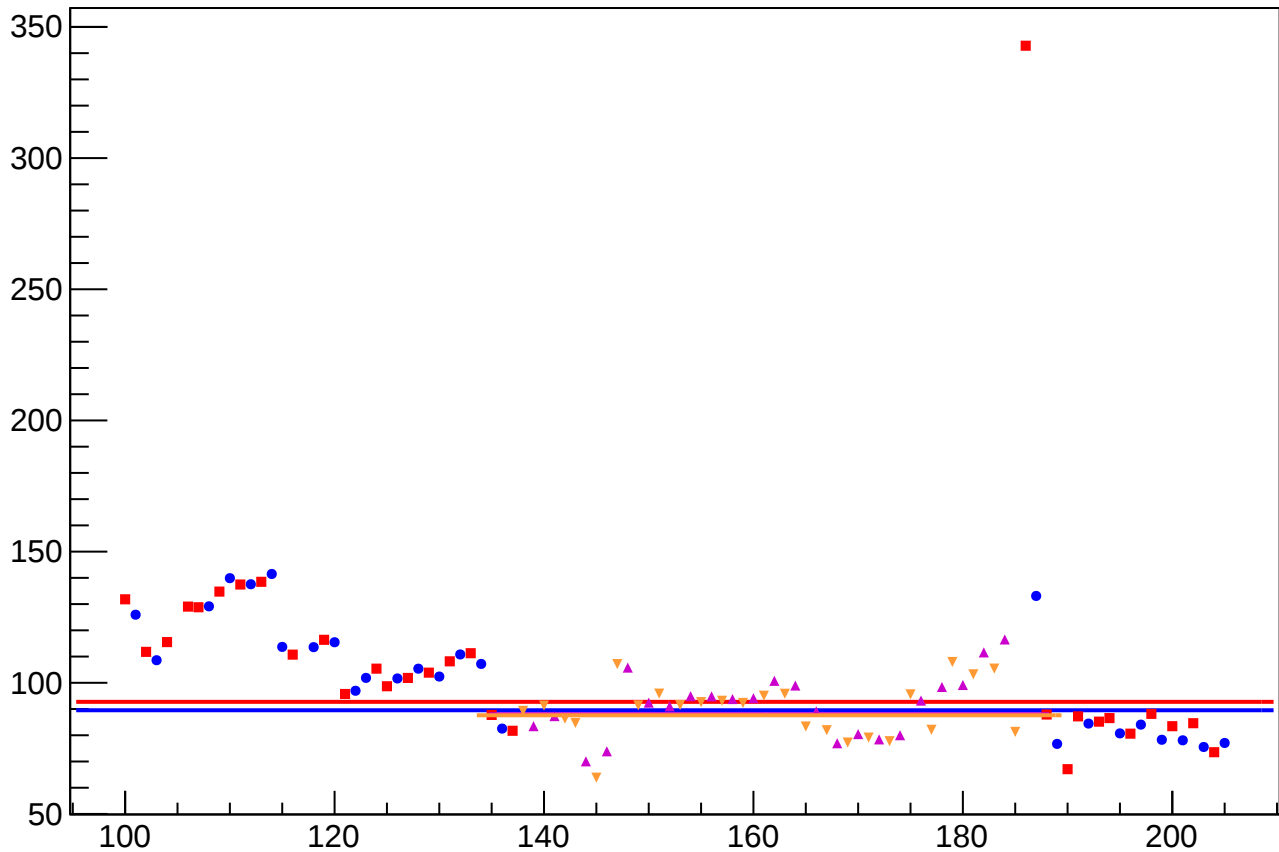
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign -3.513 ± 15.984 χ^2/NDF : 69.0/50

All: -0.567 ± 11.401 χ^2/NDF : 124.8/103

- sign 2.483 ± 16.268 χ^2/NDF : 55.7/52

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 89.533 $\pm$ 0.018 χ^2 /NDF: 883926.2/25

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 92.742 $\pm$ 0.018 χ^2 /NDF: 1280740.4/29

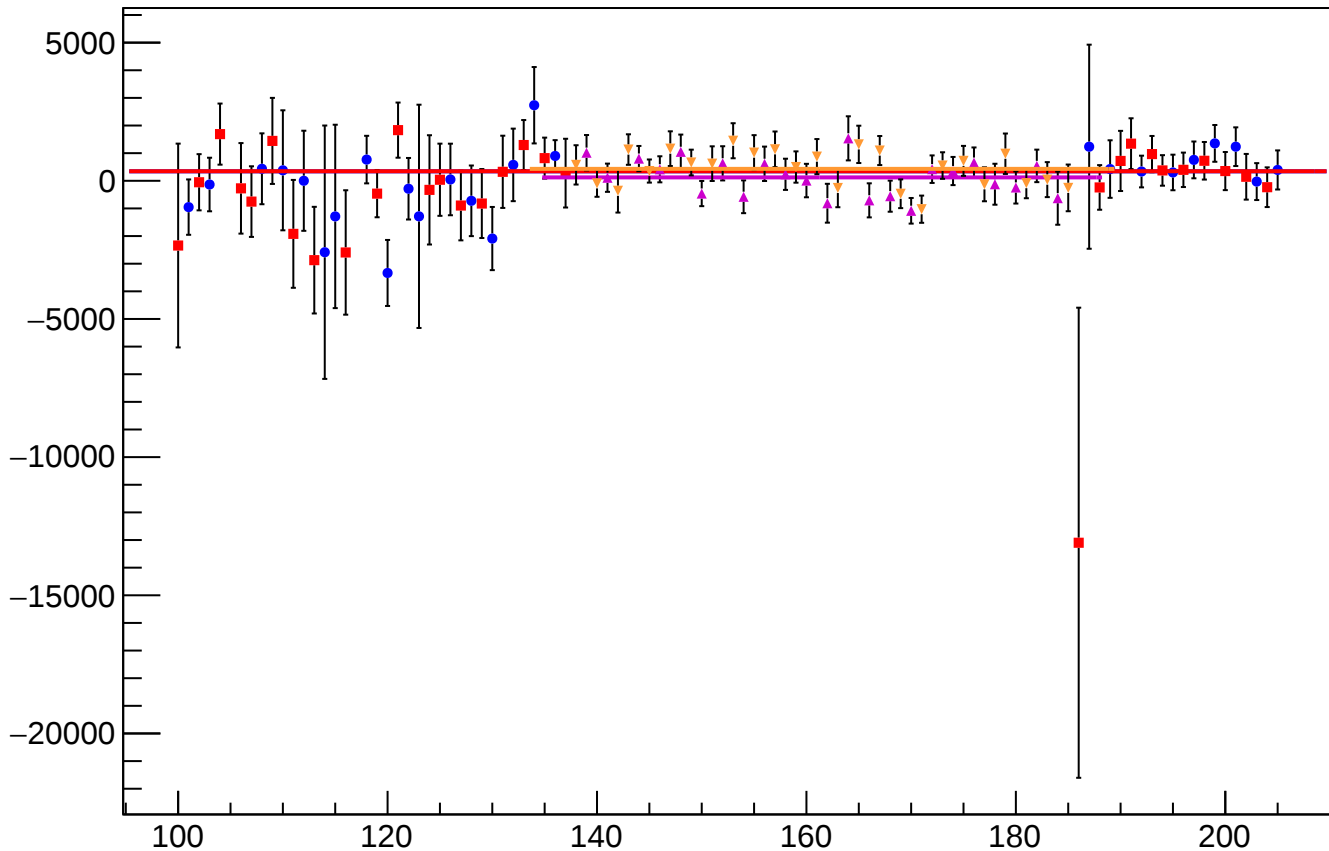
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 88.382 $\pm$ 0.011 χ^2 /NDF: 1445435.5/50

All: 89.171 $\pm$ 0.008 χ^2 /NDF: 3300483.2/103

- sign 89.987 $\pm$ 0.012 χ^2 /NDF: 1845146.5/52

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 342.041 $\pm$ 183.732 χ^2 /NDF: 26.8/25

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF:30.5/24

Right Out: 345.752 $\pm$ 176.339 χ^2 /NDF: 22.3/29

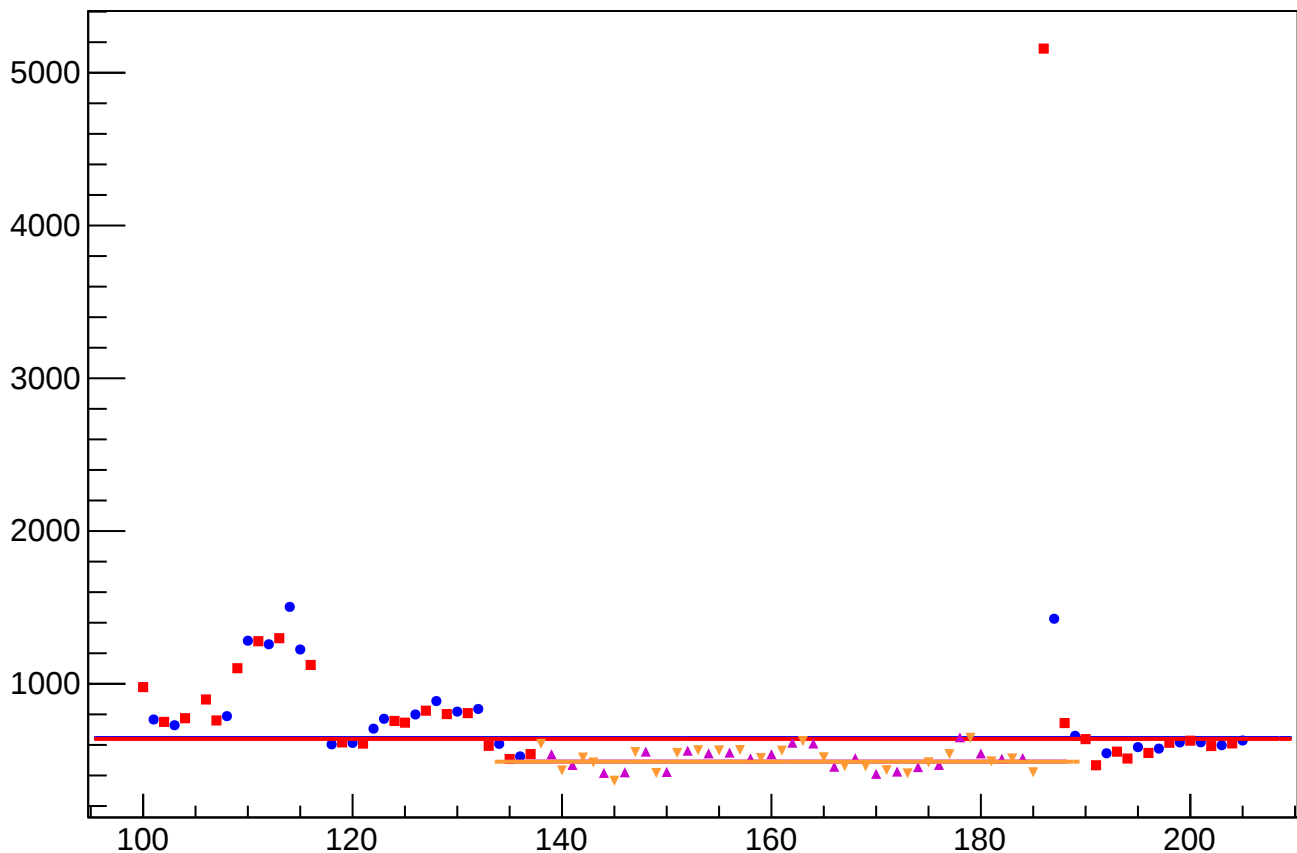
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF:29.3/22

+ sign 406.210 $\pm$ 97.909 χ^2 /NDF: 57.4/50

All: 300.102 $\pm$ 69.459 χ^2 /NDF: 112.4/103

- sign 192.591 $\pm$ 98.555 χ^2 /NDF: 52.6/52

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 645.019 $\pm$ 0.130 χ^2/NDF : 1100668.0/25

Left Out: 490.267 $\pm$ 0.082 χ^2/NDF : 750277.0/24

Right Out: 639.264 $\pm$ 0.125 χ^2/NDF : 1935426.6/29

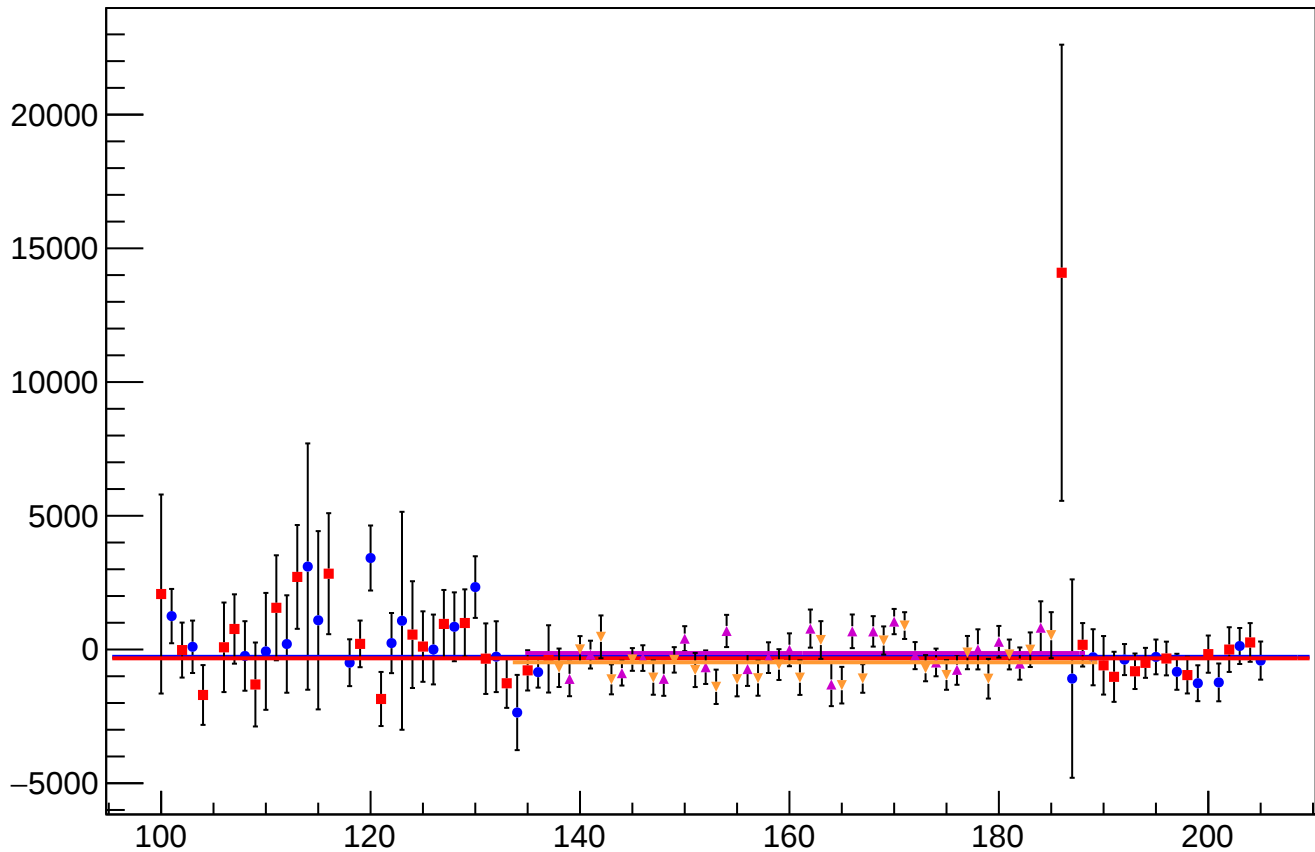
Left In: 490.910 $\pm$ 0.084 χ^2/NDF : 589235.5/22

+ sign 534.212 $\pm$ 0.069 χ^2/NDF : 2866880.5/50

All: 535.721 $\pm$ 0.049 χ^2/NDF : 6365902.0/103

- sign 537.250 $\pm$ 0.070 χ^2/NDF : 3498065.2/52

asym_sam_26_48_dd_mean vs Slug



Right In: -273.953 ± 185.692 χ^2/NDF : 27.1/25

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -329.885 ± 178.424 χ^2/NDF : 21.2/29

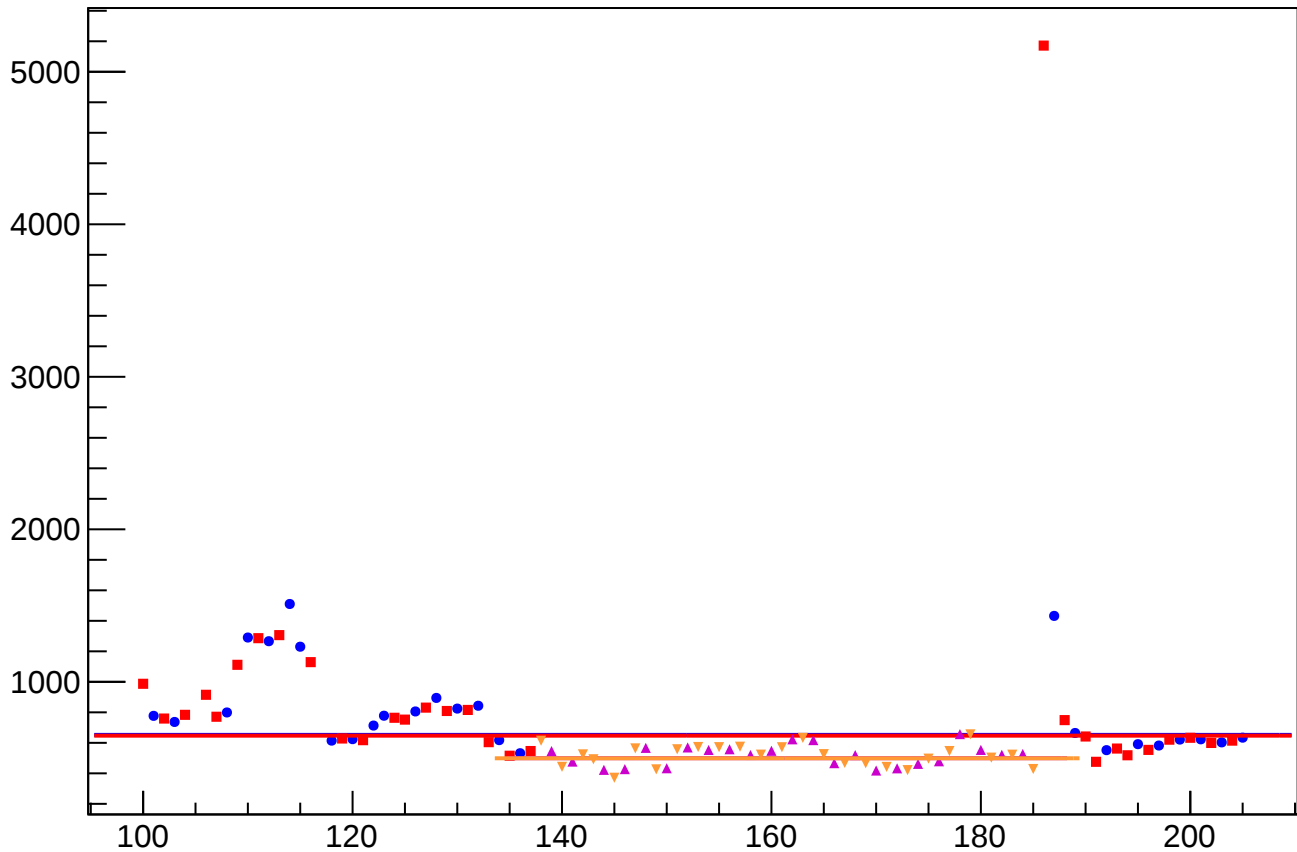
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -419.687 ± 99.388 χ^2/NDF : 55.7/50

All: -307.919 ± 70.517 χ^2/NDF : 109.8/103

- sign -194.616 ± 100.068 χ^2/NDF : 51.5/52

asym_sam_26_48_dd_rms vs Slug



Right In: 652.092 $\pm$ 0.131 χ^2 /NDF: 1089894.1/25

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 647.121 $\pm$ 0.126 χ^2 /NDF: 1914101.4/29

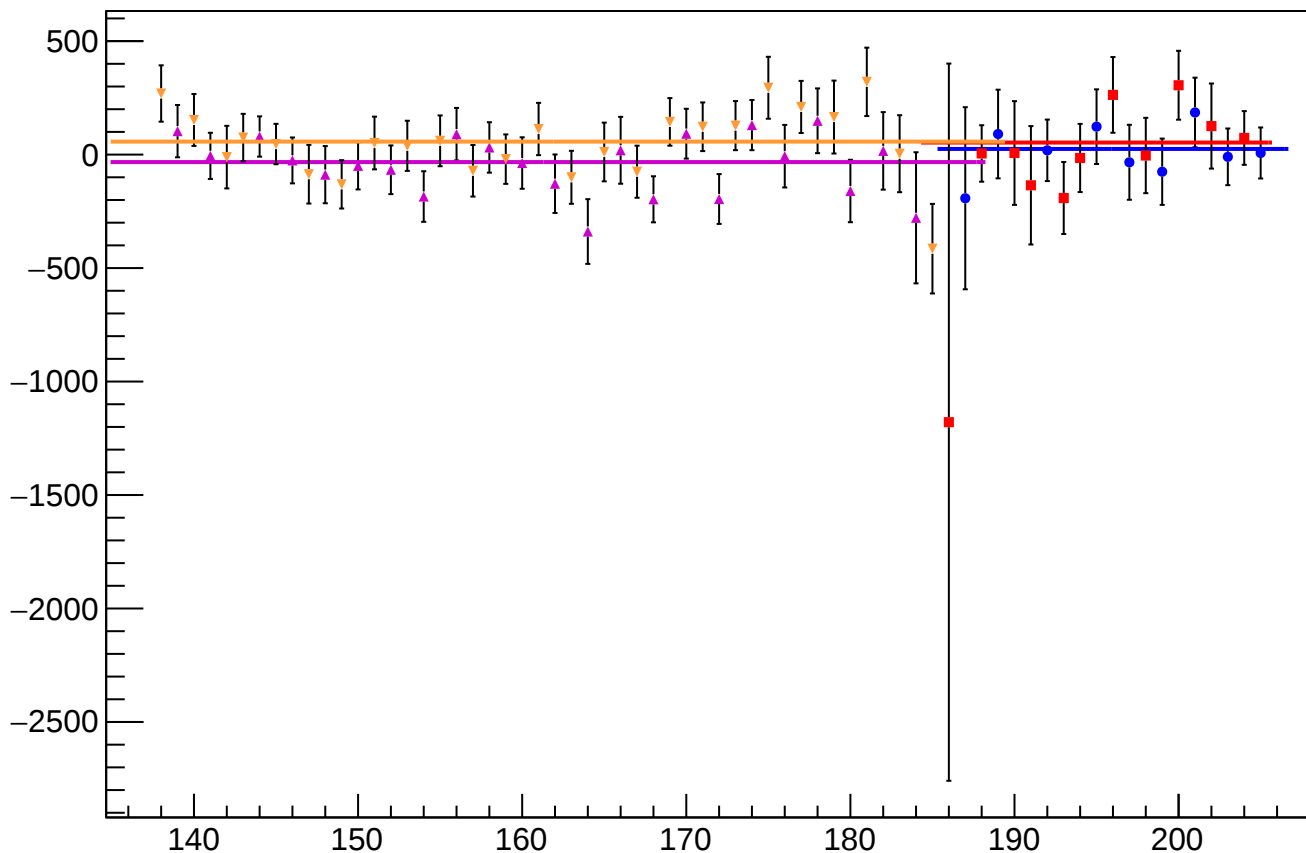
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 542.681 $\pm$ 0.070 χ^2 /NDF: 2797286.3/50

All: 544.259 $\pm$ 0.050 χ^2 /NDF: 6228722.9/103

- sign 545.860 $\pm$ 0.071 χ^2 /NDF: 3430420.4/52

reg_asym_sam_1548_avg_mean vs Slug



Right In: 24.928 $\pm$ 50.437 χ^2 /NDF: 2.6/8

Left Out: 57.211 $\pm$ 23.714 χ^2 /NDF: 29.2/24

Right Out: 53.022 $\pm$ 50.105 χ^2 /NDF: 8.5/10

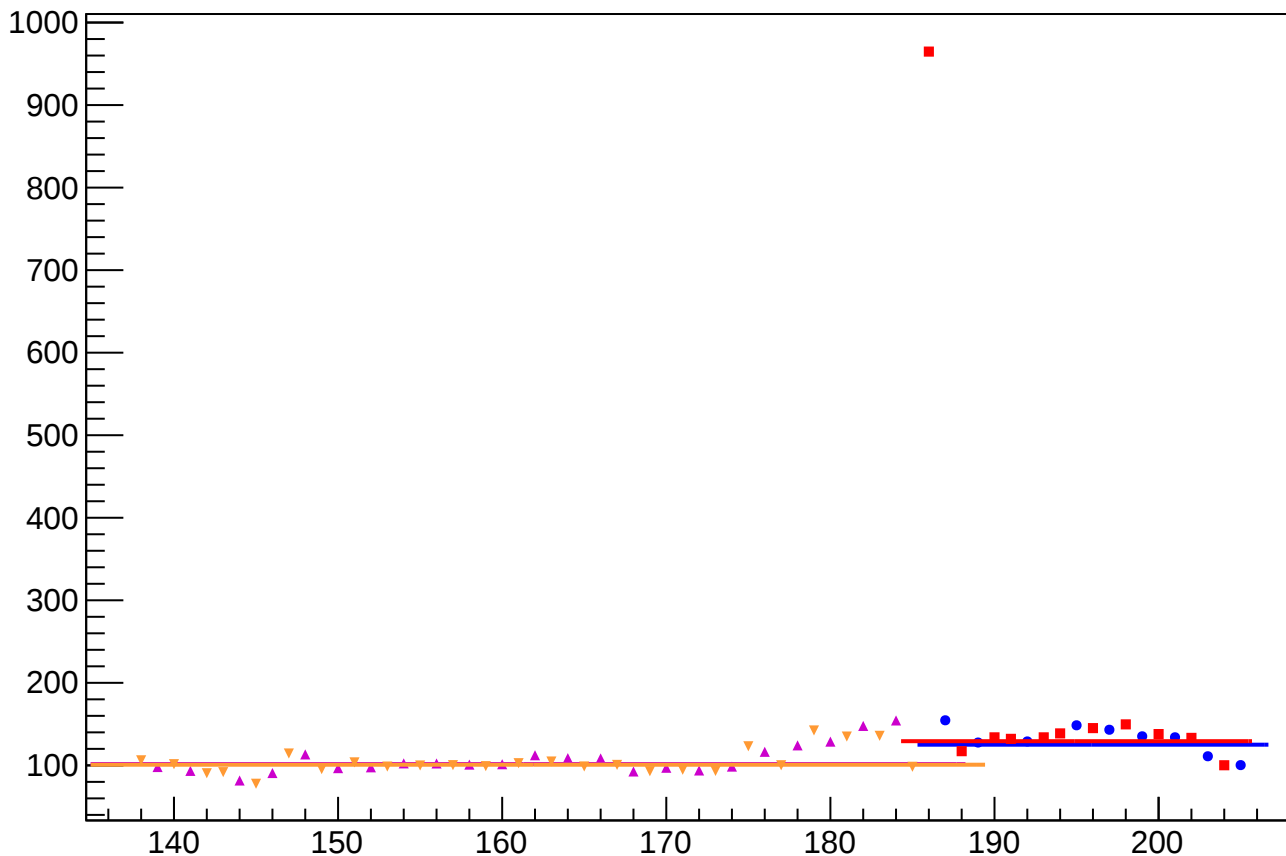
Left In: -32.948 $\pm$ 24.587 χ^2 /NDF: 23.6/22

+ sign 51.366 $\pm$ 21.460 χ^2 /NDF: 32.1/33

All: 18.503 $\pm$ 15.387 χ^2 /NDF: 71.4/67

- sign -16.264 $\pm$ 22.073 χ^2 /NDF: 34.5/33

reg_asym_sam_1548_avg_rms vs Slug



Right In: 125.055 $\pm$ 0.036 χ^2 /NDF: 216262.3/8

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 129.302 $\pm$ 0.035 χ^2 /NDF: 765699.0/10

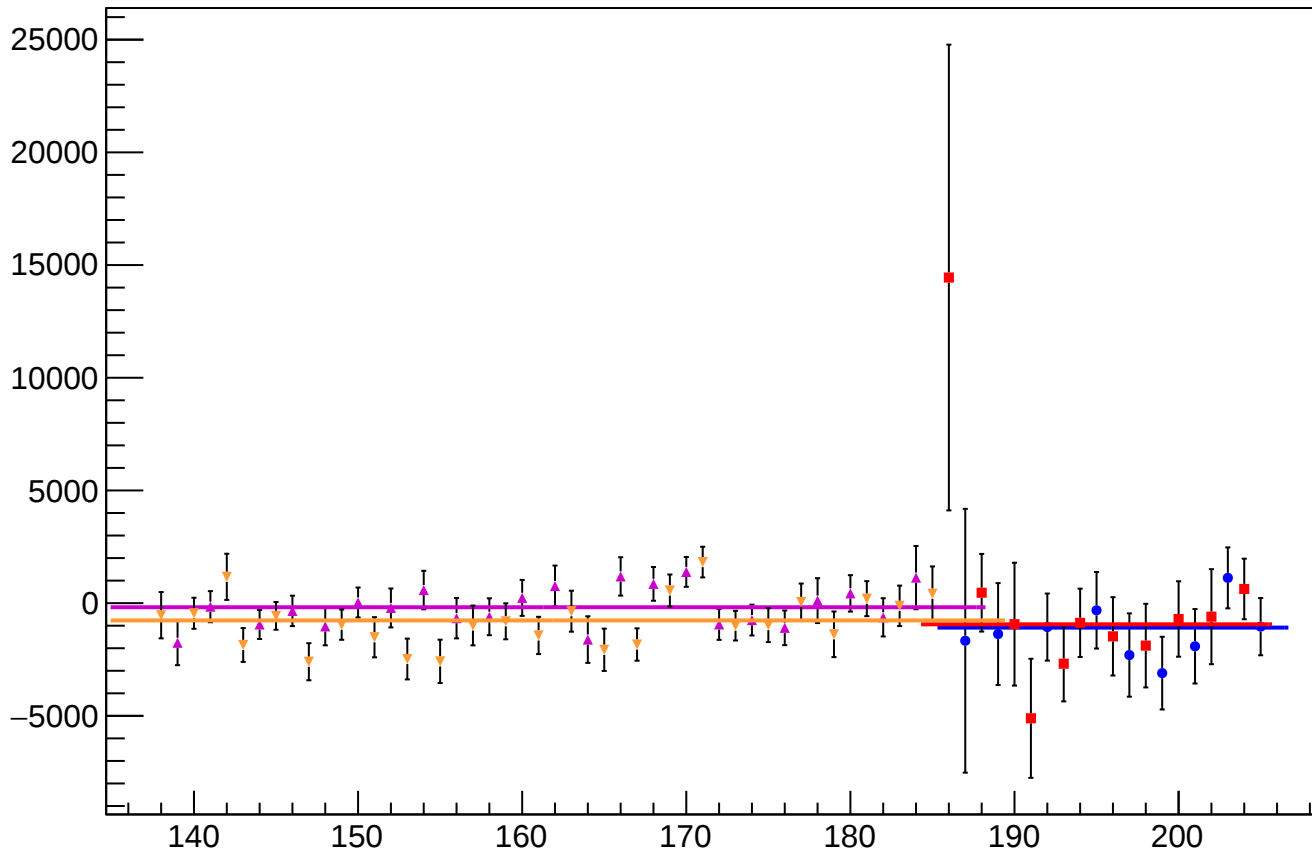
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.191 $\pm$ 0.015 χ^2 /NDF: 1195538.1/33

All: 106.067 $\pm$ 0.011 χ^2 /NDF: 3042337.8/67

- sign 106.993 $\pm$ 0.016 χ^2 /NDF: 1839946.7/33

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1084.762 ± 555.956 χ^2/NDF : 5.1/8

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -938.544 ± 561.206 χ^2/NDF : 8.2/10

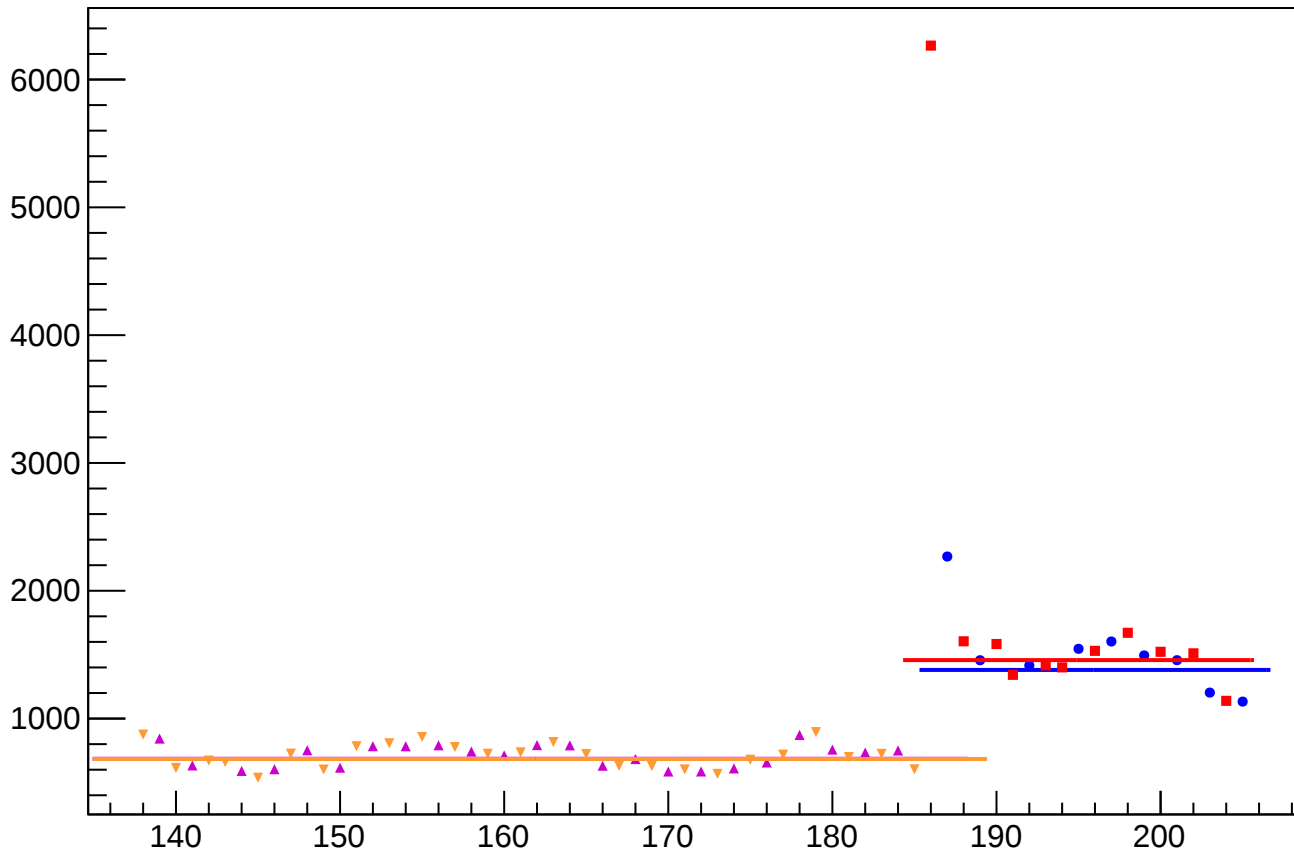
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -791.013 ± 154.705 χ^2/NDF : 52.0/33

All: -523.963 ± 110.844 χ^2/NDF : 93.0/67

- sign -242.262 ± 158.892 χ^2/NDF : 34.9/33

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1380.641 $\pm$ 0.393 χ^2 /NDF: 222054.5/8

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1457.559 $\pm$ 0.397 χ^2 /NDF: 606580.3/10

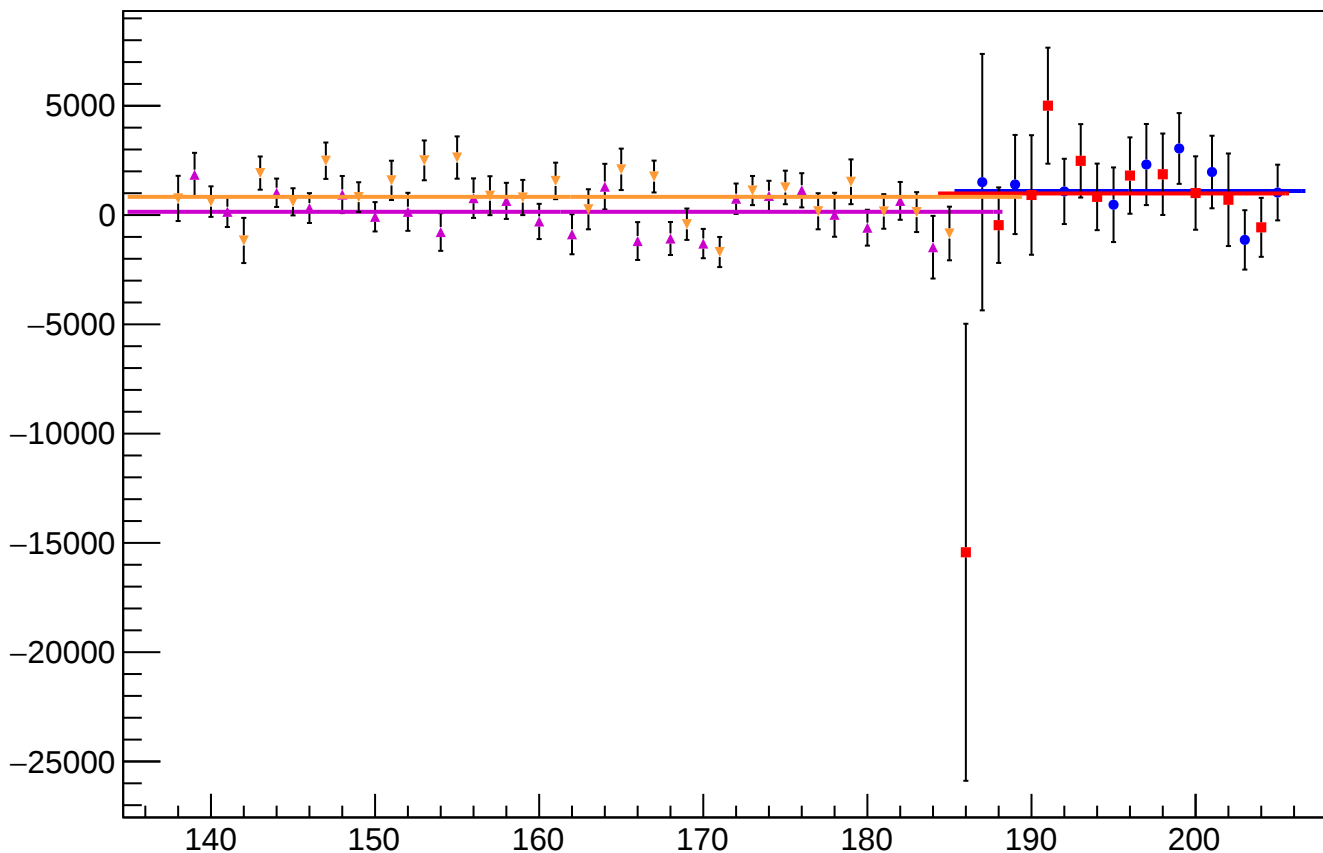
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 737.836 $\pm$ 0.109 χ^2 /NDF: 3787287.5/33

All: 742.526 $\pm$ 0.078 χ^2 /NDF: 8407915.8/67

- sign 747.474 $\pm$ 0.112 χ^2 /NDF: 4616851.2/33

asym_sam_1548_avg_mean vs Slug



Right In: 1100.746 $\pm$ 558.356 χ^2 /NDF: 5.0/8

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 988.210 $\pm$ 563.634 χ^2 /NDF: 8.0/10

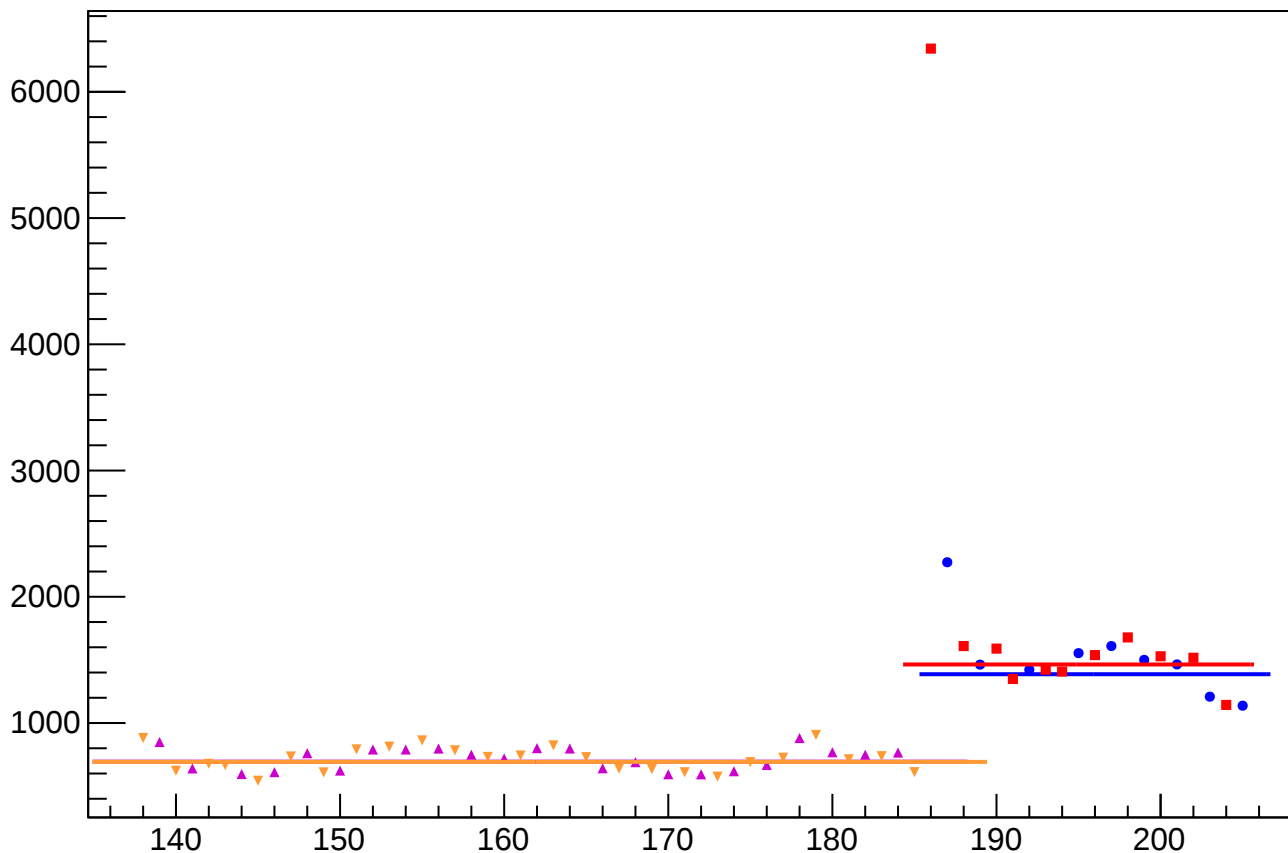
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 854.381 $\pm$ 156.438 χ^2 /NDF: 48.4/33

All: 544.247 $\pm$ 112.090 χ^2 /NDF: 92.6/67

- sign 217.037 $\pm$ 160.687 χ^2 /NDF: 36.1/33

asym_sam_1548_avg_rms vs Slug



Right In: 1386.618+/-0.395 χ^2/NDF : 222195.4/8

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1463.807+/-0.399 χ^2/NDF : 608736.3/10

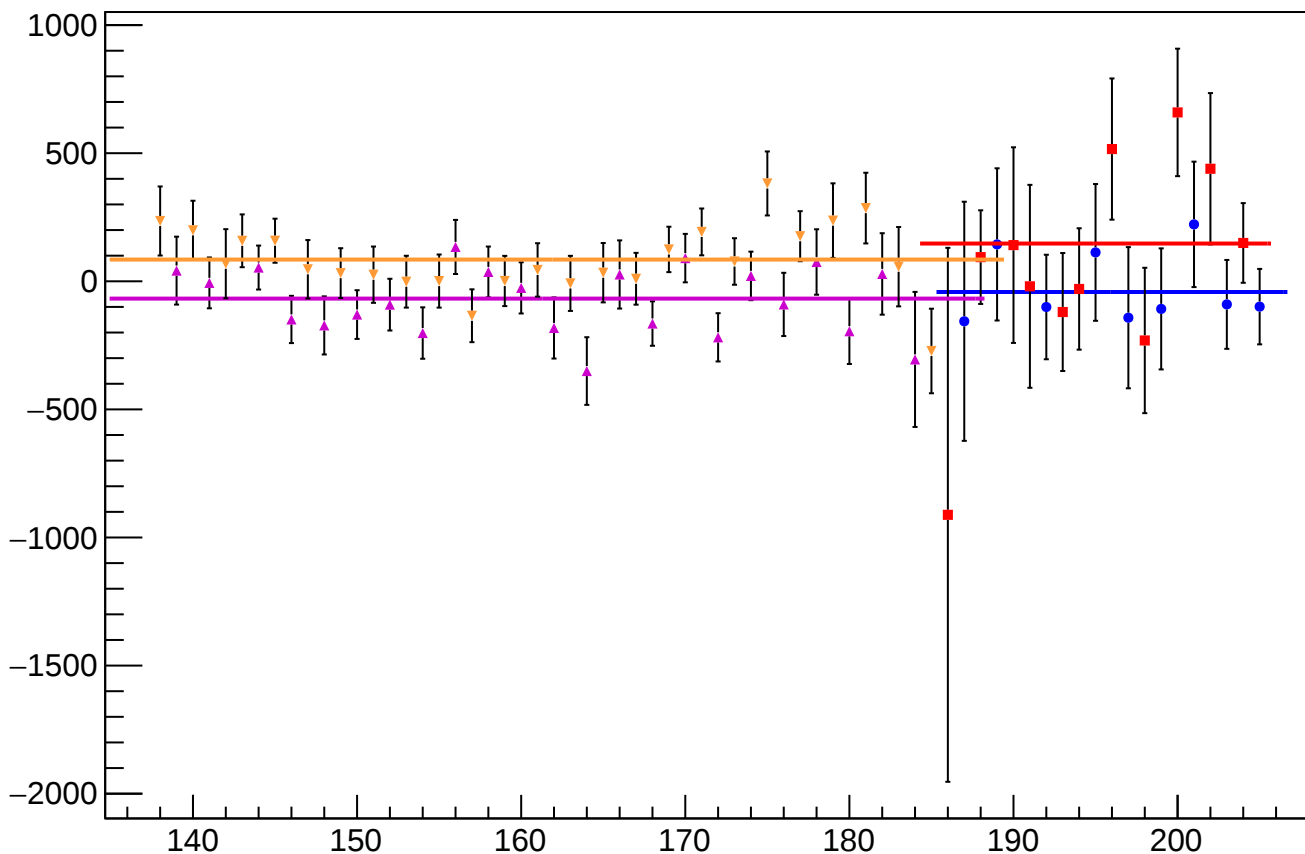
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 746.616+/-0.111 χ^2/NDF : 3730956.7/33

All: 751.399+/-0.079 χ^2/NDF : 8294323.3/67

- sign 756.445+/-0.114 χ^2/NDF : 4559524.3/33

reg_asym_sam_3748_avg_mean vs Slug



Right In: -41.773 ± 74.306 $\chi^2/\text{NDF}: 2.5/8$

Left Out: 84.860 ± 21.643 $\chi^2/\text{NDF}: 28.5/24$

Right Out: 147.359 ± 75.515 $\chi^2/\text{NDF}: 12.0/10$

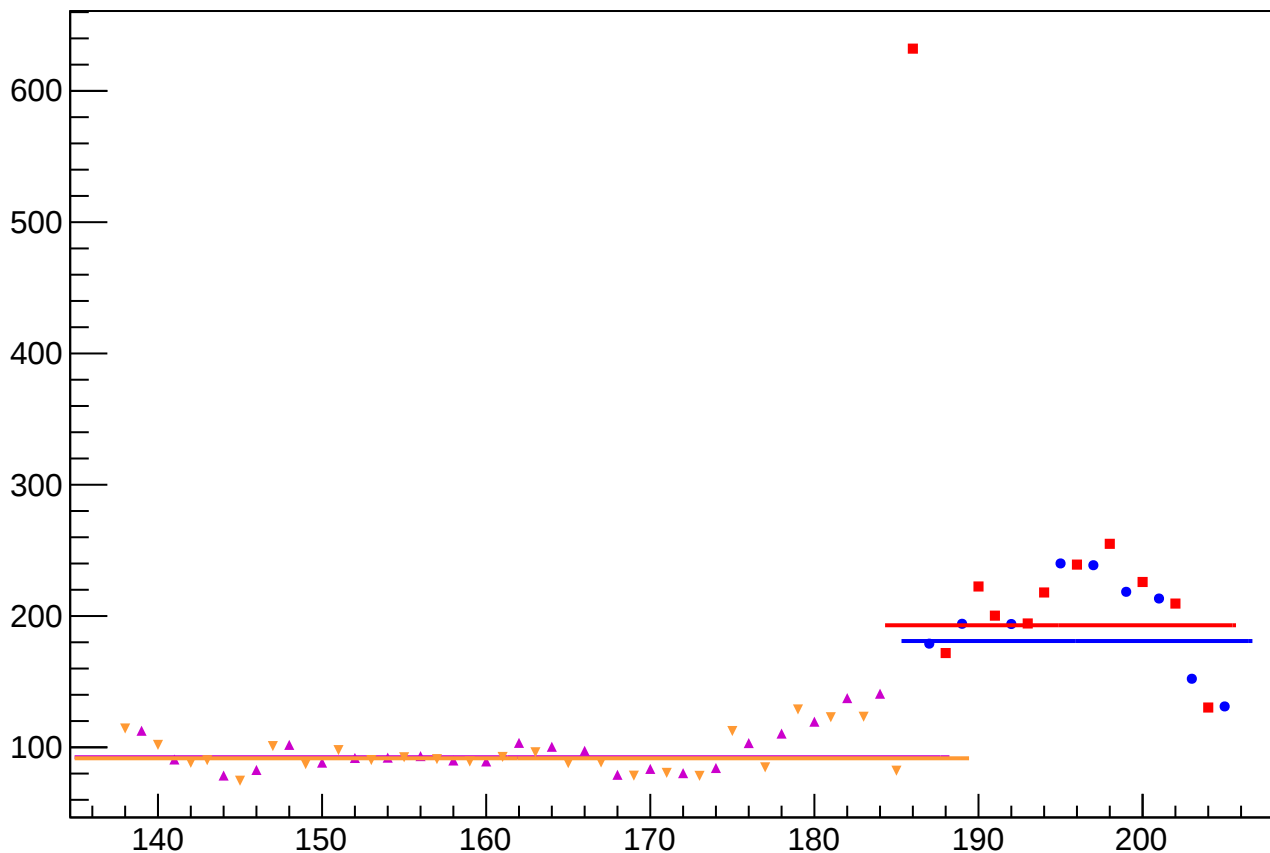
Left In: -67.552 ± 22.449 $\chi^2/\text{NDF}: 28.9/22$

+ sign 74.957 ± 20.779 $\chi^2/\text{NDF}: 33.6/33$

All: 14.612 ± 14.948 $\chi^2/\text{NDF}: 99.4/67$

- sign -50.102 ± 21.518 $\chi^2/\text{NDF}: 48.3/33$

reg_asym_sam_3748_avg_rms vs Slug



Right In: 180.963 $\pm$ 0.053 χ^2 /NDF: 567133.6/8

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 192.961 $\pm$ 0.053 χ^2 /NDF: 935208.9/10

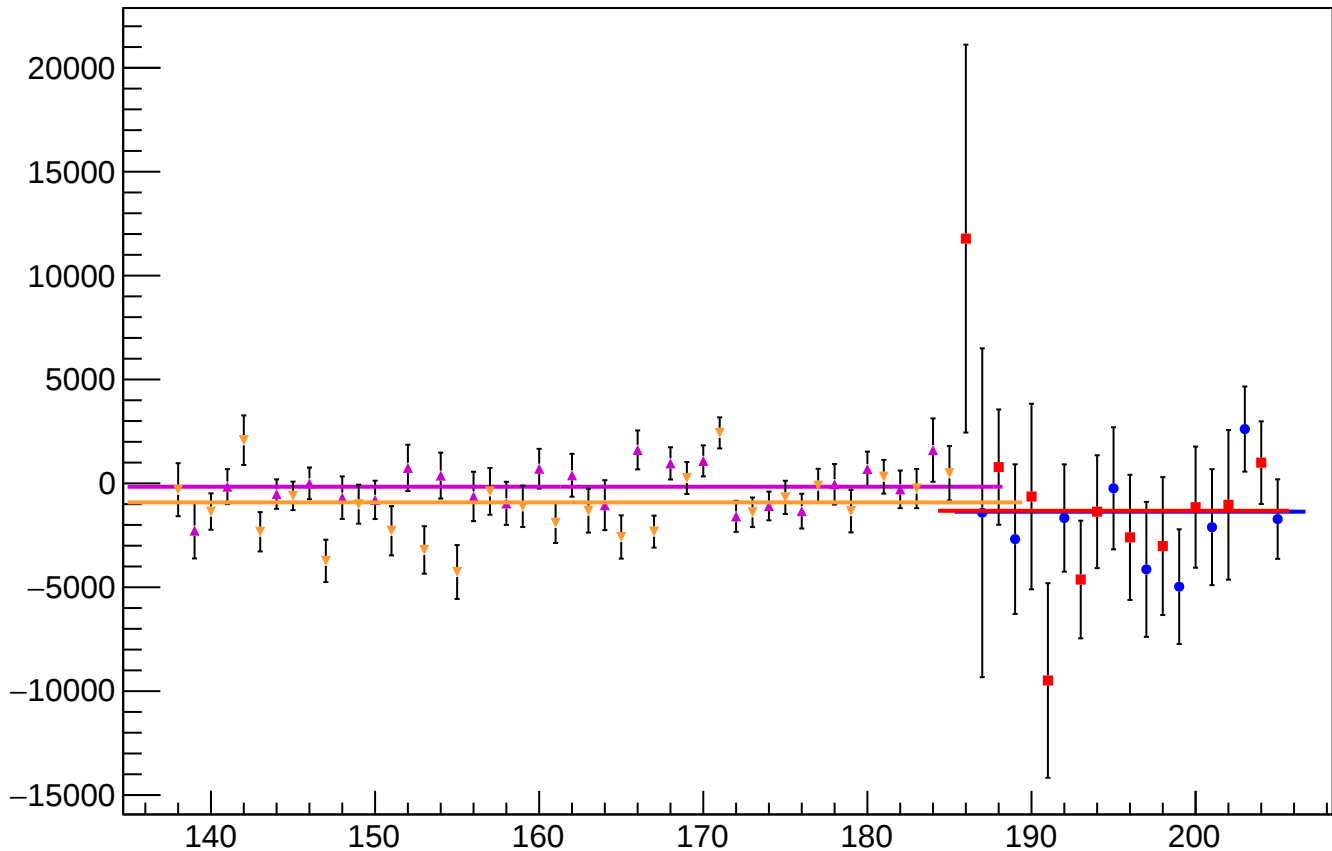
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 98.619 $\pm$ 0.015 χ^2 /NDF: 3924787.9/33

All: 99.587 $\pm$ 0.011 χ^2 /NDF: 8779121.1/67

- sign 100.626 $\pm$ 0.015 χ^2 /NDF: 4845325.8/33

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1361.988 ± 903.440 χ^2/NDF : 6.6/8

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -1319.134 ± 934.214 χ^2/NDF : 8.8/10

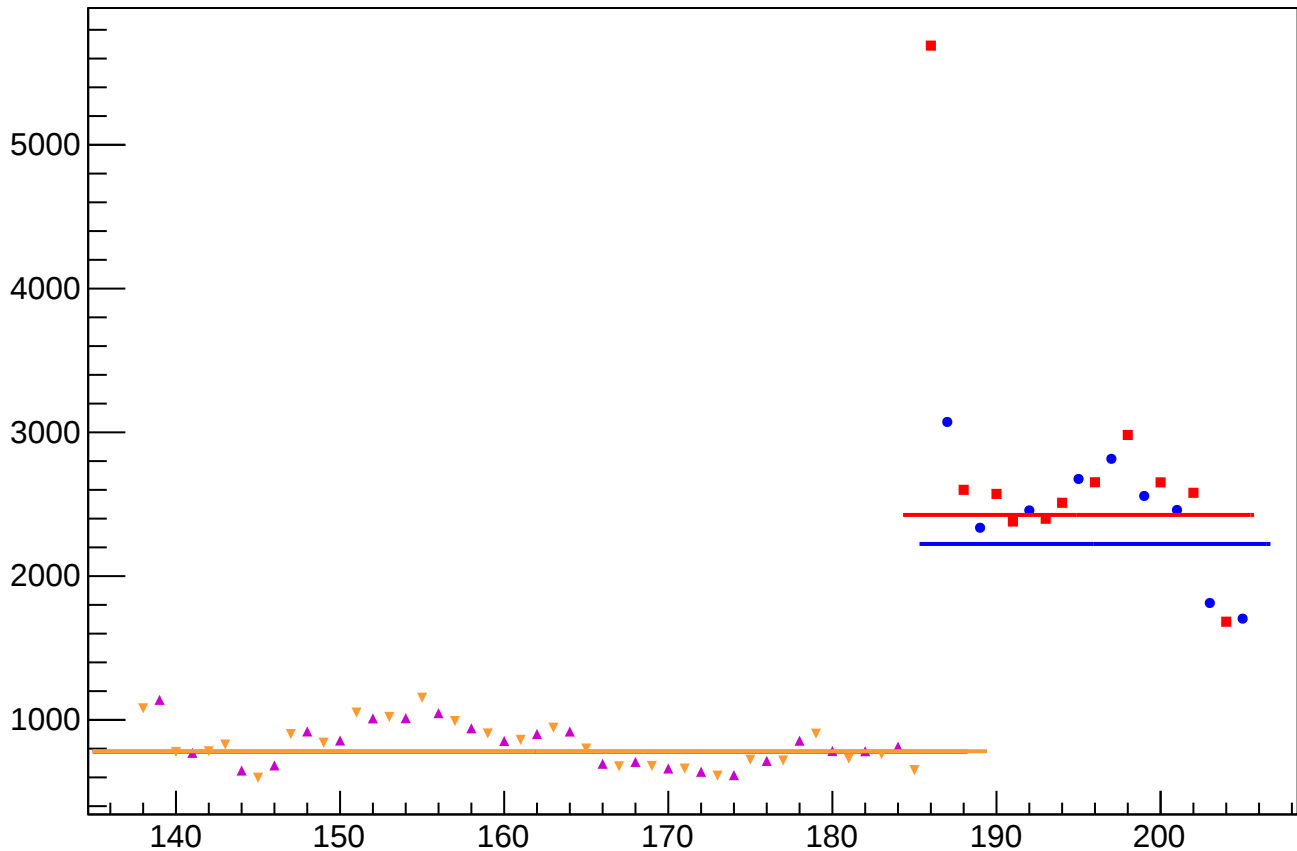
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -932.783 ± 181.560 χ^2/NDF : 71.0/33

All: -578.011 ± 129.824 χ^2/NDF : 114.2/67

- sign -206.838 ± 185.709 χ^2/NDF : 35.3/33

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2223.819 $\pm$ 0.639 χ^2/NDF : 426675.2/8

Left Out: 782.042 $\pm$ 0.131 χ^2/NDF : 1130984.3/24

Right Out: 2425.642 $\pm$ 0.661 χ^2/NDF : 618983.3/10

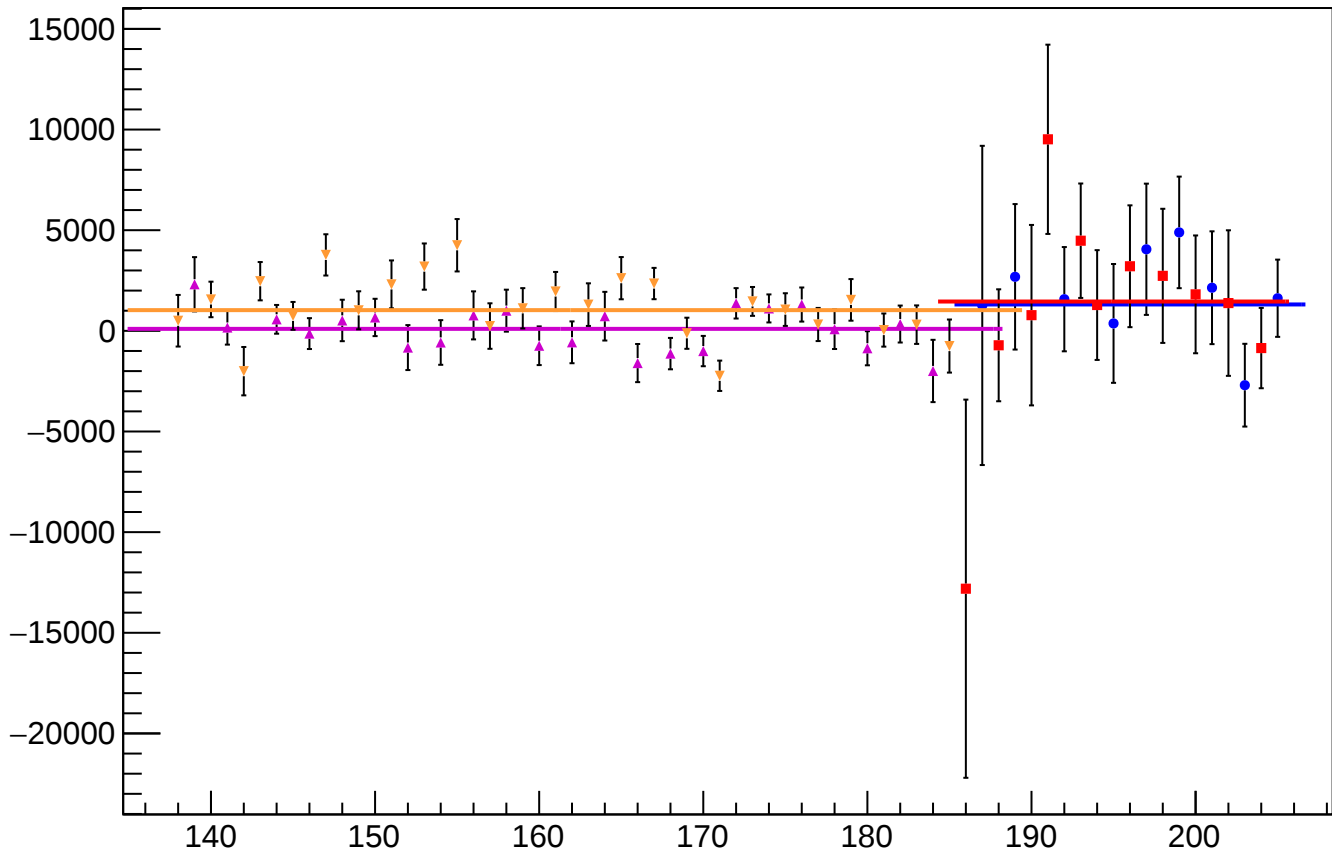
Left In: 778.995 $\pm$ 0.134 χ^2/NDF : 980243.4/22

+ sign 840.271 $\pm$ 0.128 χ^2/NDF : 6445580.0/33

All: 842.124 $\pm$ 0.092 χ^2/NDF : 14013224.6/67

- sign 844.064 $\pm$ 0.131 χ^2/NDF : 7567218.0/33

asym_sam_3748_avg_mean vs Slug



Right In: 1311.222 ± 906.746 χ^2/NDF : 6.6/8

Left Out: 1028.864 ± 186.810 χ^2/NDF : 60.2/24

Right Out: 1456.730 ± 937.589 χ^2/NDF : 8.9/10

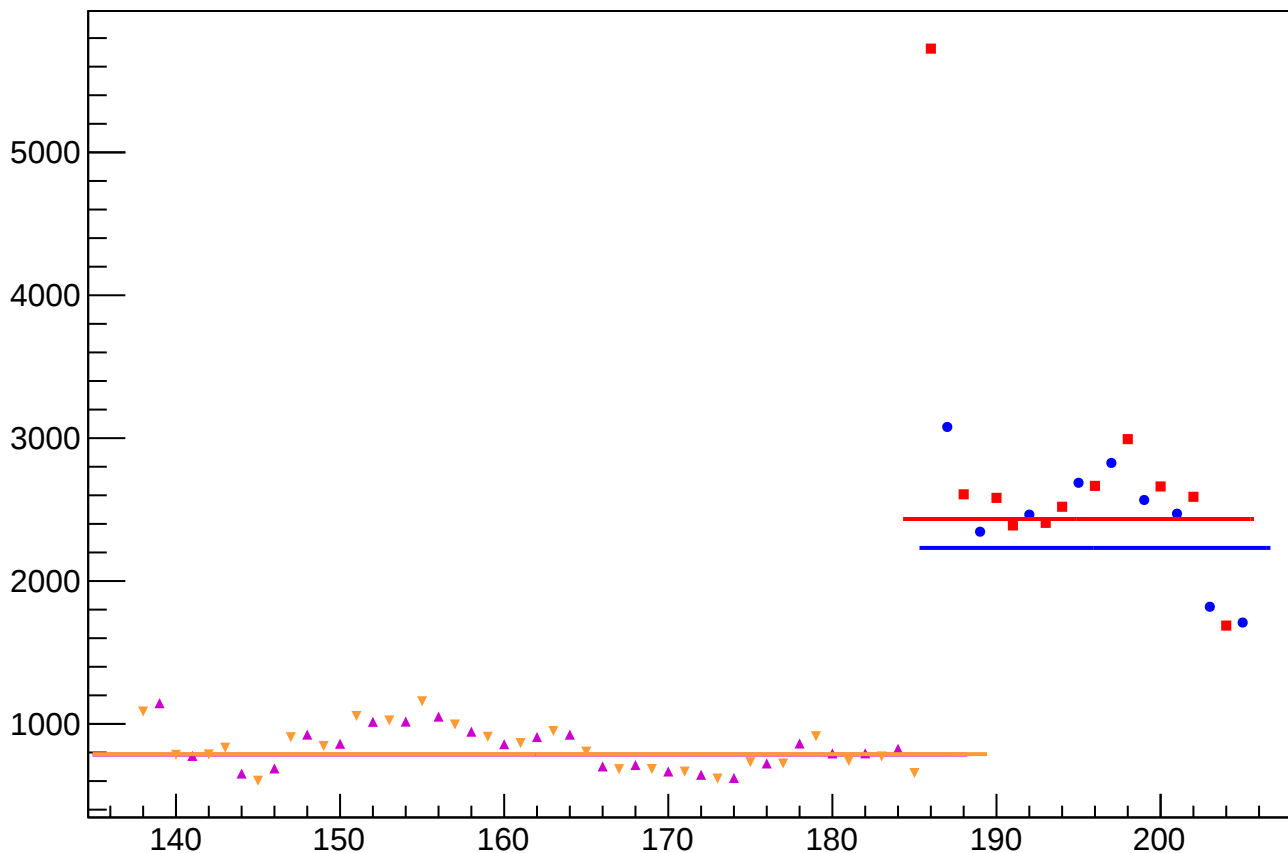
Left In: 98.691 ± 191.027 χ^2/NDF : 25.4/22

+ sign 1040.361 ± 182.968 χ^2/NDF : 66.8/33

All: 606.692 ± 130.842 χ^2/NDF : 114.5/67

- sign 152.818 ± 187.181 χ^2/NDF : 36.2/33

asym_sam_3748_avg_rms vs Slug



Right In: 2231.880 +/- 0.641 χ^2/NDF : 427648.1/8

Left Out: 788.442 +/- 0.132 χ^2/NDF : 1113741.6/24

Right Out: 2434.235 +/- 0.663 χ^2/NDF : 621073.5/10

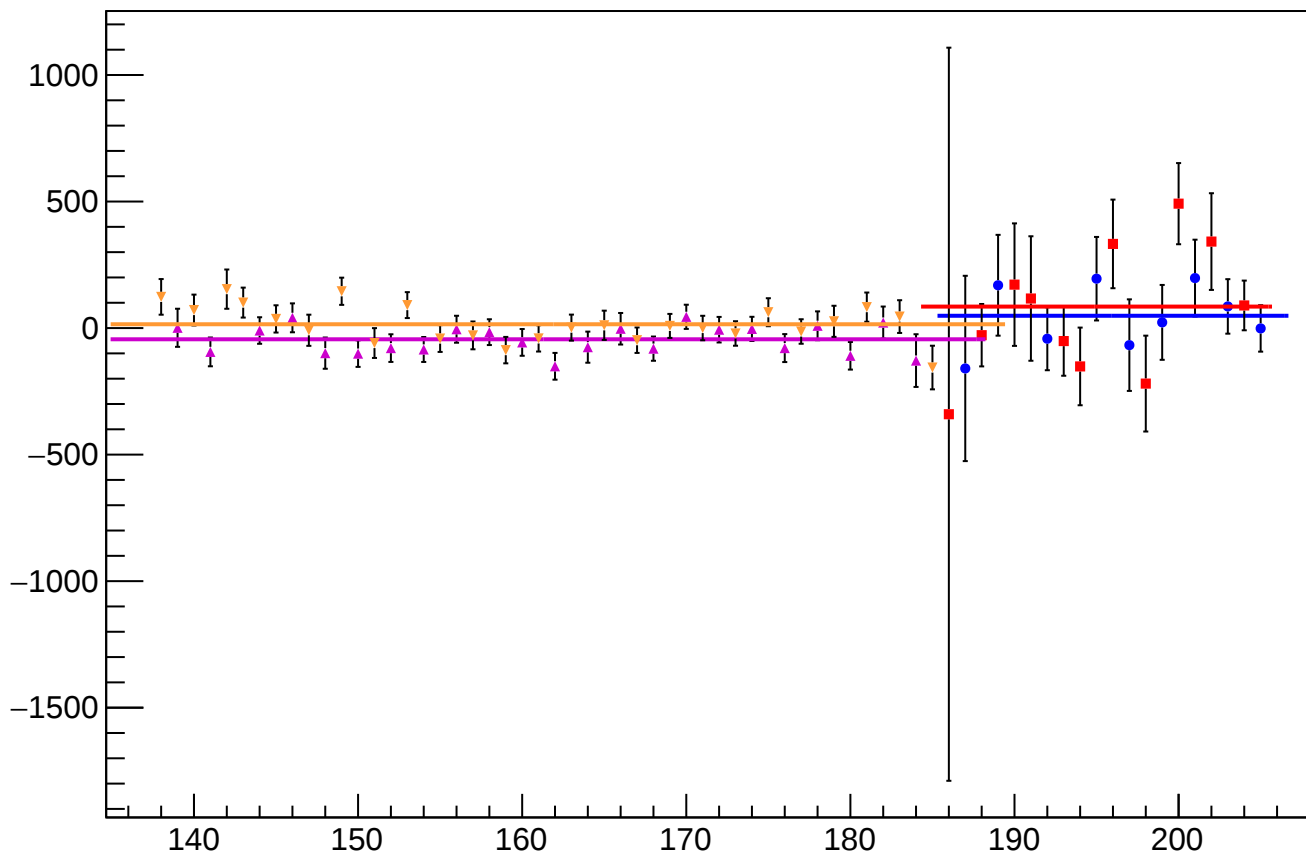
Left In: 785.490 +/- 0.135 χ^2/NDF : 965338.9/22

+ sign 847.214 +/- 0.129 χ^2/NDF : 6403236.8/33

All: 849.164 +/- 0.093 χ^2/NDF : 13928218.0/67

- sign 851.204 +/- 0.132 χ^2/NDF : 7524516.6/33

reg_asym_sam_1526_avg_mean vs Slug



Right In: 48.623 $\pm$ 46.694 χ^2 /NDF: 3.8/8

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: 84.899 $\pm$ 48.443 χ^2 /NDF: 17.3/10

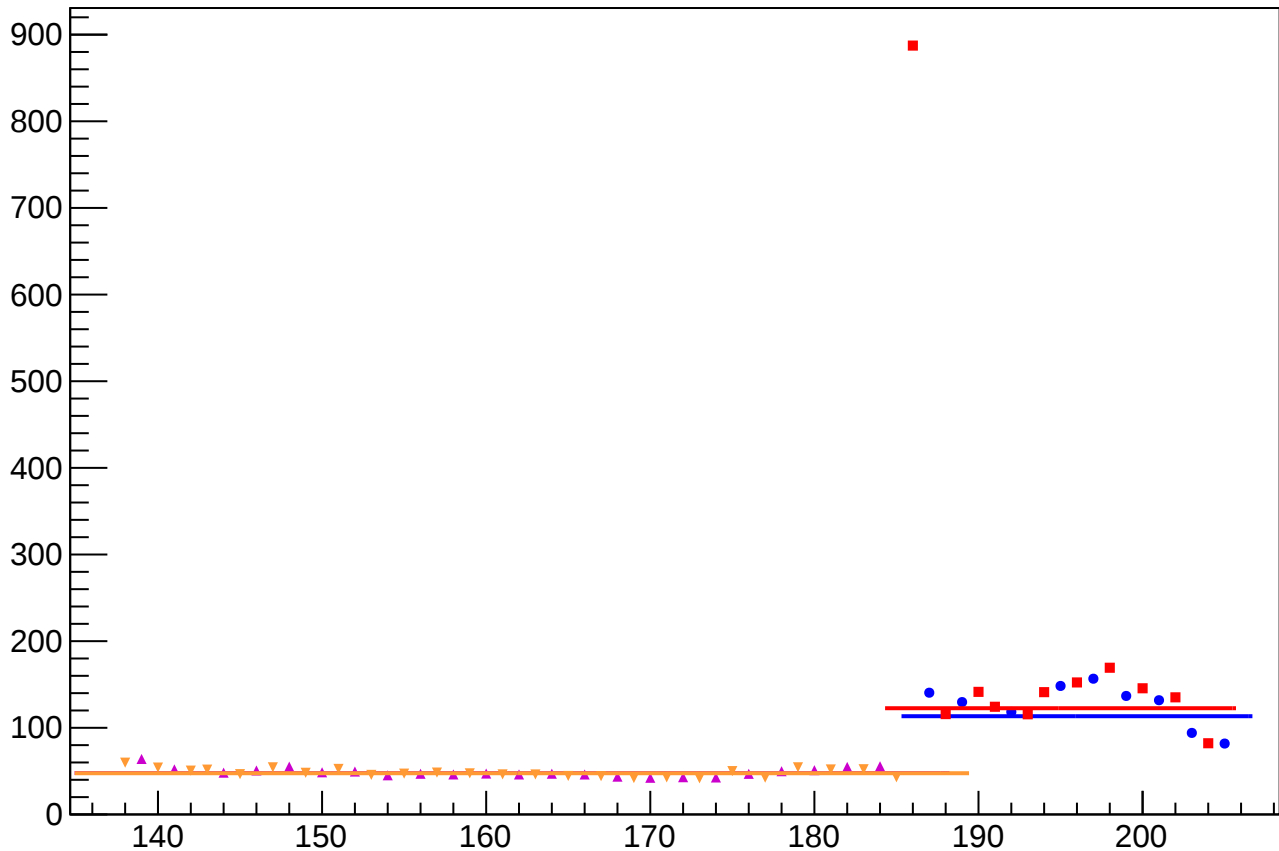
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 16.909 $\pm$ 10.849 χ^2 /NDF: 38.5/33

All: -9.328 $\pm$ 7.798 χ^2 /NDF: 96.9/67

- sign -37.371 $\pm$ 11.216 χ^2 /NDF: 46.3/33

reg_asym_sam_1526_avg_rms vs Slug



Right In: 113.384 $\pm$ 0.033 χ^2 /NDF: 612024.8/8

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 122.606 $\pm$ 0.034 χ^2 /NDF: 1178740.4/10

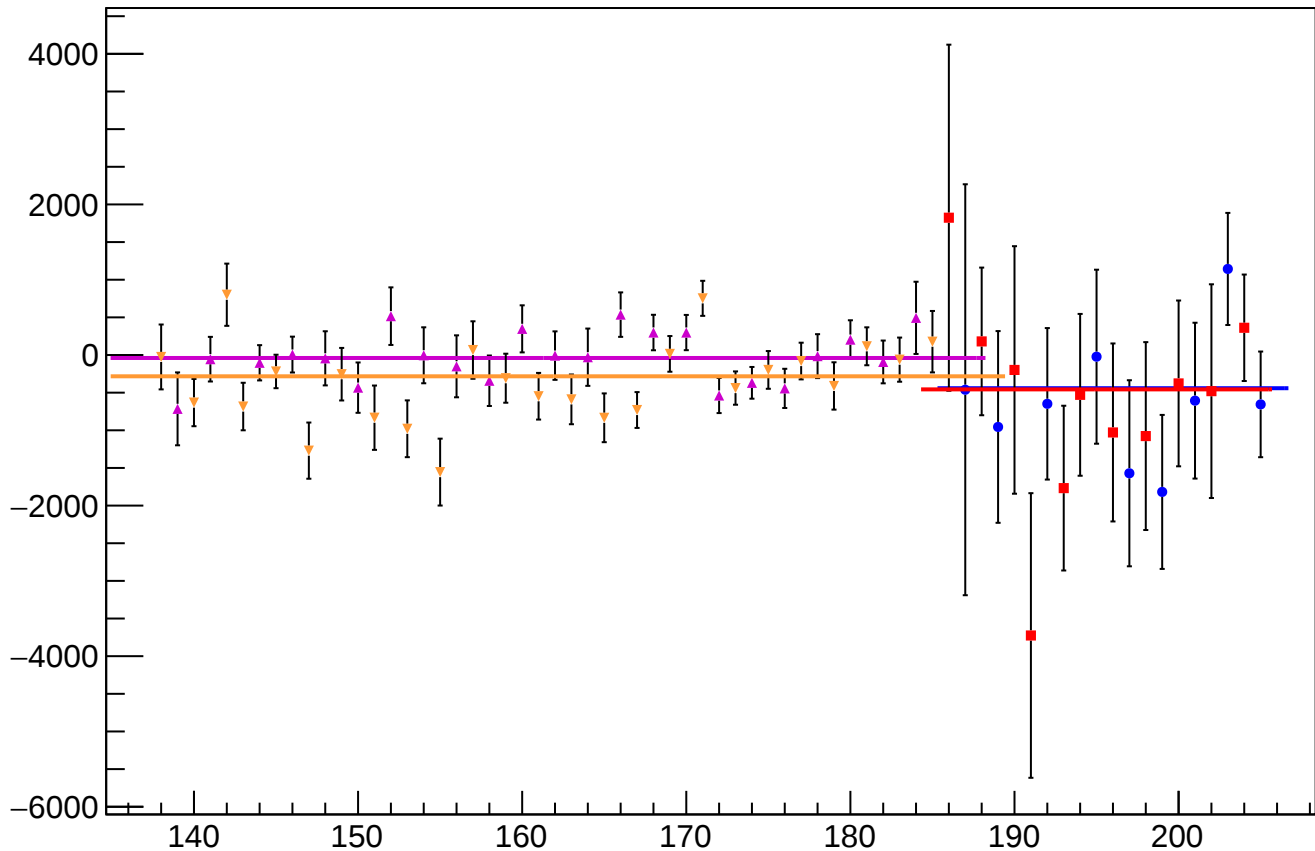
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 51.138 $\pm$ 0.008 χ^2 /NDF: 4681901.0/33

All: 51.484 $\pm$ 0.006 χ^2 /NDF: 10654472.2/67

- sign 51.854 $\pm$ 0.008 χ^2 /NDF: 5968365.6/33

asym_sam_1526_avg_correction_mean vs Slug



Right In: -441.008+/-335.823 χ^2/NDF : 7.6/8

Left Out: -282.798+/-59.690 χ^2/NDF : 66.5/24

Right Out: -456.529+/-347.930 χ^2/NDF : 7.7/10

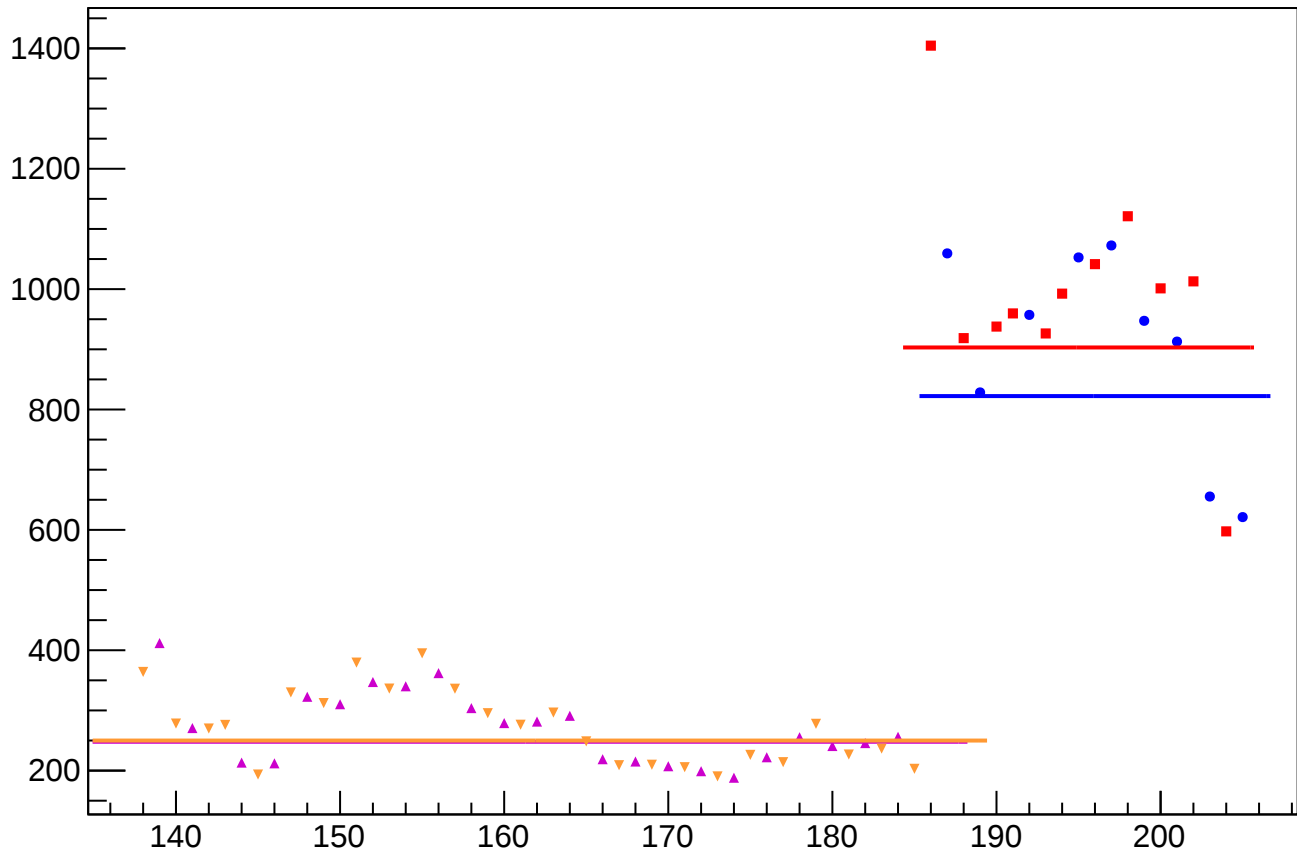
Left In: -39.432+/-60.759 χ^2/NDF : 27.5/22

+ sign -287.644+/-58.769 χ^2/NDF : 74.4/33

All: -171.865+/-41.934 χ^2/NDF : 118.9/67

- sign -51.775+/-59.853 χ^2/NDF : 36.6/33

asym_sam_1526_avg_correction_rms vs Slug



Right In: 822.298 ± 0.237 $\chi^2/\text{NDF}: 522525.4/8$

Left Out: 249.956 ± 0.042 $\chi^2/\text{NDF}: 1614205.9/24$

Right Out: 903.081 ± 0.246 $\chi^2/\text{NDF}: 603154.8/10$

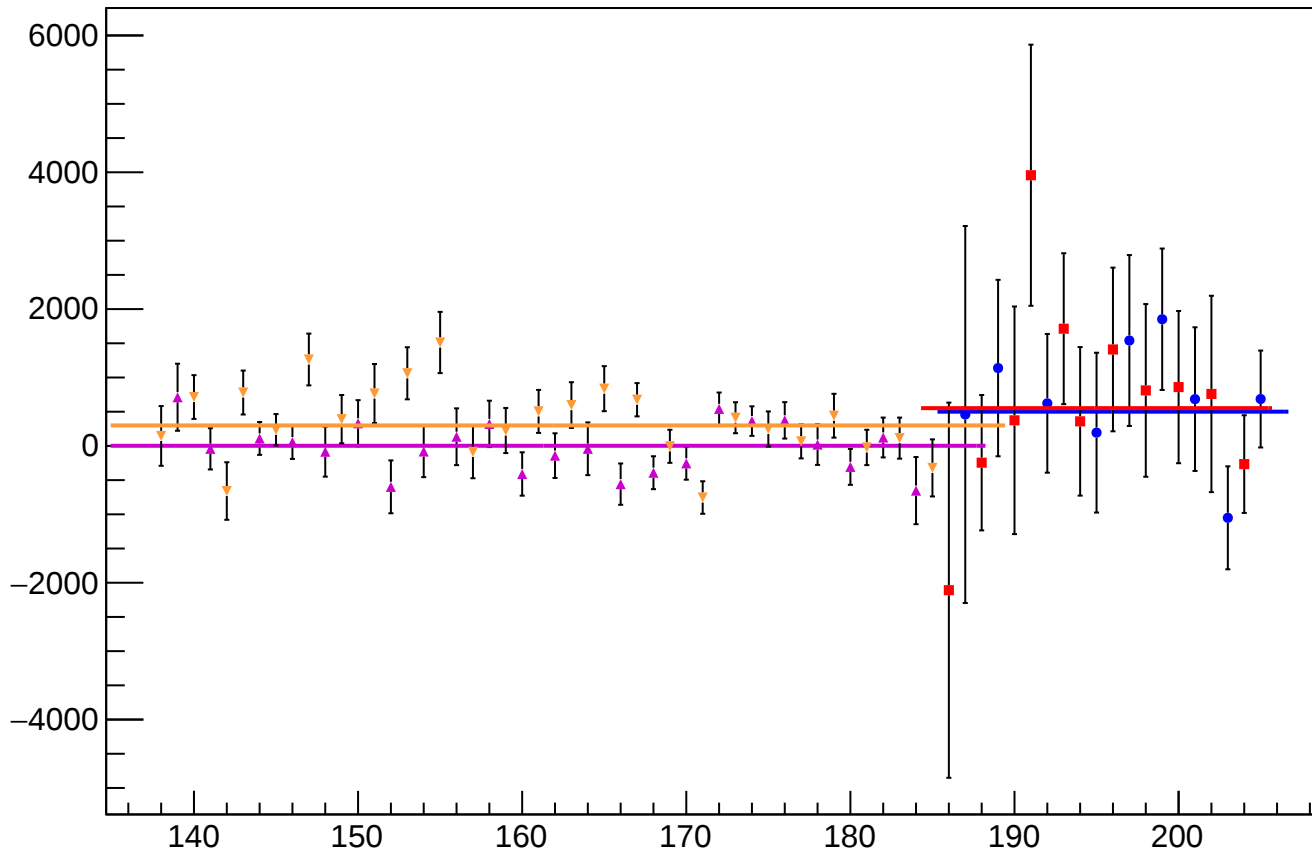
Left In: 247.917 ± 0.043 $\chi^2/\text{NDF}: 1410847.5/22$

+ sign 267.484 ± 0.042 $\chi^2/\text{NDF}: 7768067.4/33$

All: 267.396 ± 0.030 $\chi^2/\text{NDF}: 16663865.1/67$

- sign 267.305 ± 0.042 $\chi^2/\text{NDF}: 8895788.5/33$

asym_sam_1526_avg_mean vs Slug



Right In: 500.575 ± 339.386 χ^2/NDF : 7.1/8

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 552.111 ± 352.648 χ^2/NDF : 7.9/10

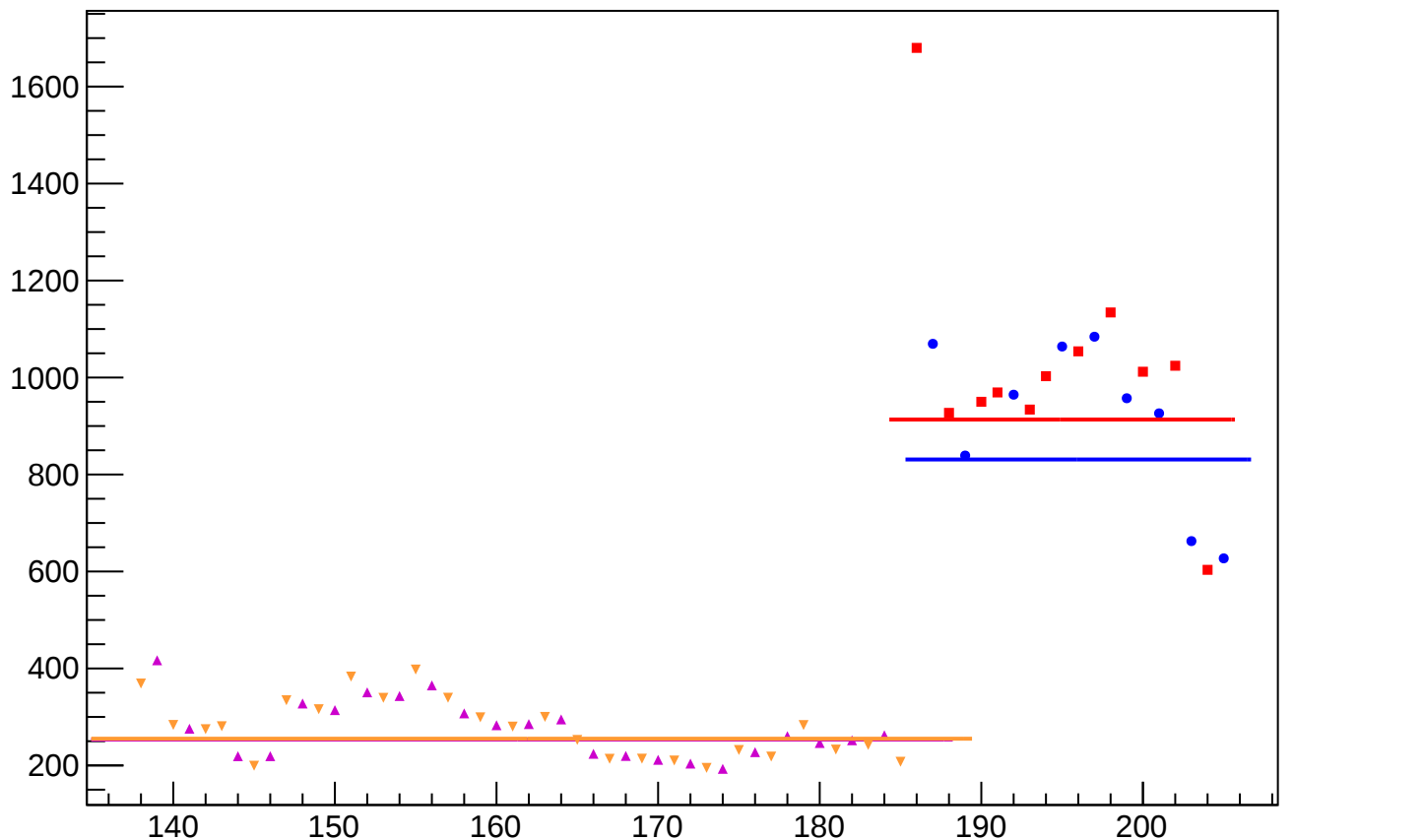
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 305.825 ± 59.904 χ^2/NDF : 69.9/33

All: 165.013 ± 42.764 χ^2/NDF : 120.6/67

- sign 18.676 ± 61.068 χ^2/NDF : 39.4/33

asym_sam_1526_avg_rms vs Slug



Right In: 831.000 ± 0.240 $\chi^2/\text{NDF}: 523690.6/8$

Left Out: 255.135 ± 0.043 $\chi^2/\text{NDF}: 1542039.5/24$

Right Out: 913.328 ± 0.249 $\chi^2/\text{NDF}: 666865.5/10$

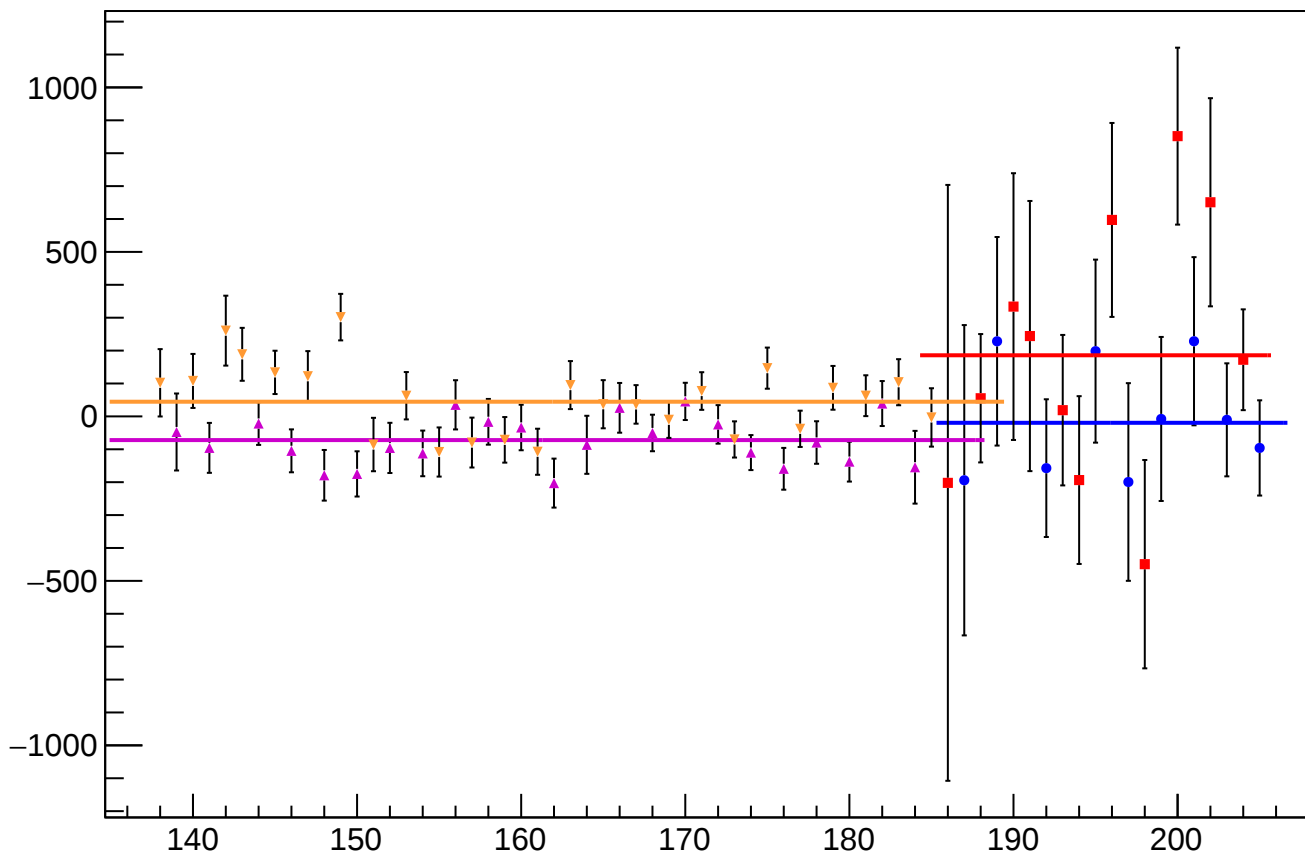
Left In: 253.287 ± 0.044 $\chi^2/\text{NDF}: 1341662.3/22$

+ sign 273.076 ± 0.042 $\chi^2/\text{NDF}: 7644473.3/33$

All: 273.078 ± 0.030 $\chi^2/\text{NDF}: 16449189.9/67$

- sign 273.081 ± 0.043 $\chi^2/\text{NDF}: 8804716.6/33$

reg_asym_sam_3726_avg_mean vs Slug



Right In: -19.493 ± 75.749 $\chi^2/\text{NDF}: 3.4/8$

Left Out: 44.602 ± 13.824 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 185.764 ± 78.591 $\chi^2/\text{NDF}: 17.8/10$

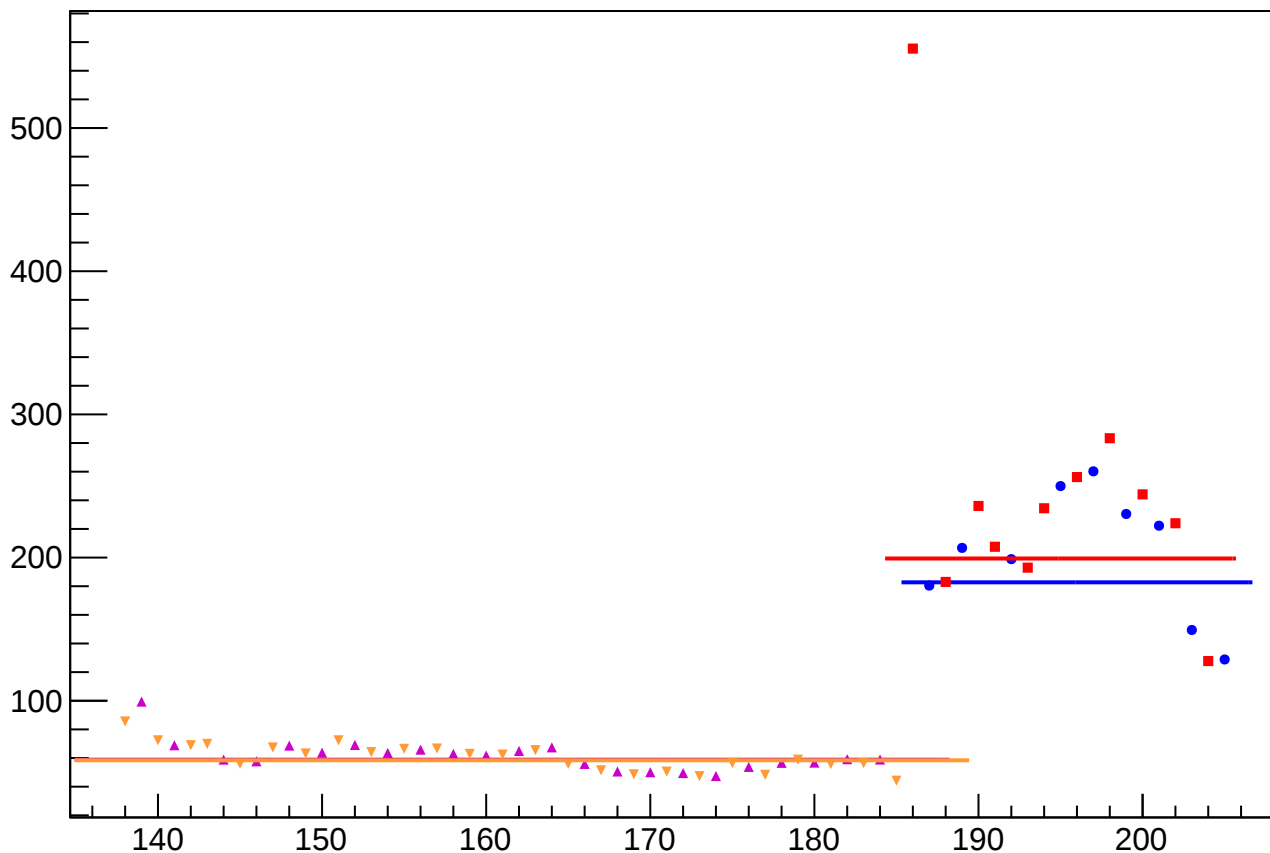
Left In: -72.037 ± 14.296 $\chi^2/\text{NDF}: 25.3/22$

+ sign 42.536 ± 13.600 $\chi^2/\text{NDF}: 58.0/33$

All: -8.832 ± 9.777 $\chi^2/\text{NDF}: 141.0/67$

- sign -63.779 ± 14.066 $\chi^2/\text{NDF}: 53.5/33$

reg_asym_sam_3726_avg_rms vs Slug



Right In: 182.723+/-0.054 χ^2/NDF : 746787.5/8

Left Out: 58.423+/-0.010 χ^2/NDF : 790091.3/24

Right Out: 199.359+/-0.056 χ^2/NDF : 1099580.9/10

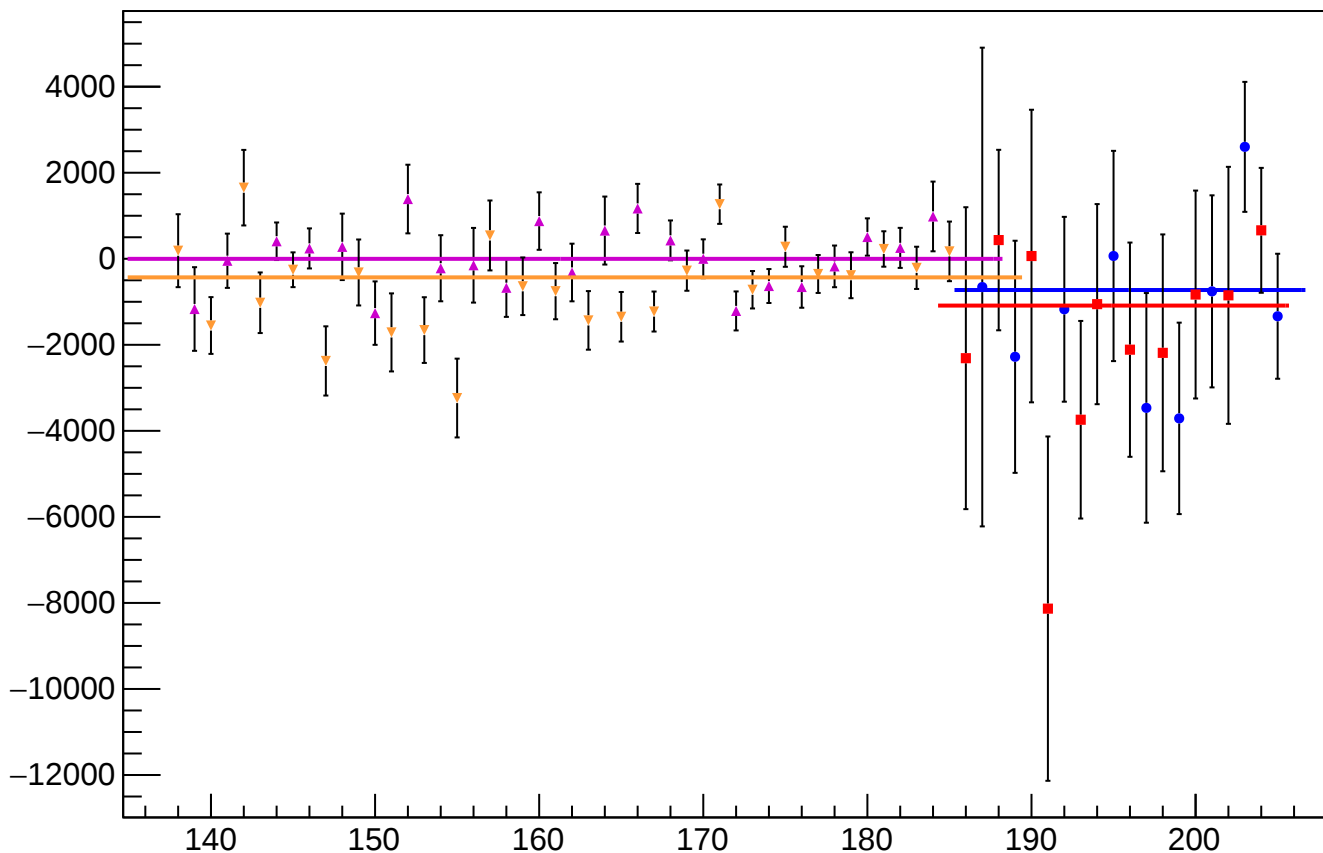
Left In: 58.840+/-0.010 χ^2/NDF : 679925.7/22

+ sign 62.429+/-0.010 χ^2/NDF : 6748753.3/33

All: 62.870+/-0.007 χ^2/NDF : 14721549.9/67

- sign 63.341+/-0.010 χ^2/NDF : 7968457.9/33

asym_sam_3726_avg_correction_mean vs Slug



Right In: -726.210+/-705.573 χ^2/NDF : 8.4/8

Left Out: -432.330+/-114.408 χ^2/NDF : 59.4/24

Right Out: -1088.142+/-728.769 χ^2/NDF : 7.0/10

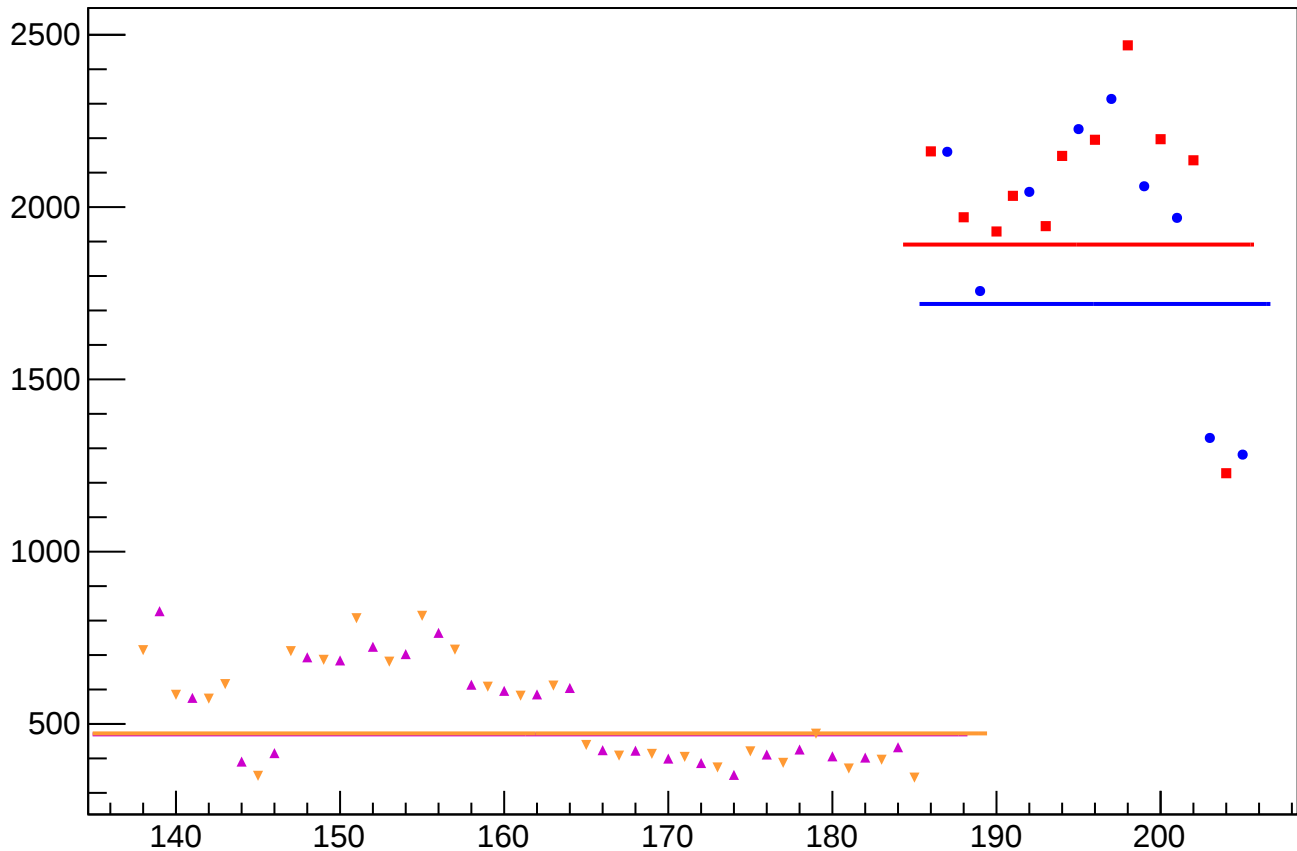
Left In: -1.825+/-116.459 χ^2/NDF : 32.3/22

+ sign -439.859+/-112.933 χ^2/NDF : 67.9/33

All: -238.093+/-80.576 χ^2/NDF : 115.9/67

- sign -28.875+/-115.000 χ^2/NDF : 41.5/33

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1718.887 $\pm$ 0.499 χ^2 /NDF: 630241.4/8

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 1891.262 $\pm$ 0.515 χ^2 /NDF: 624399.9/10

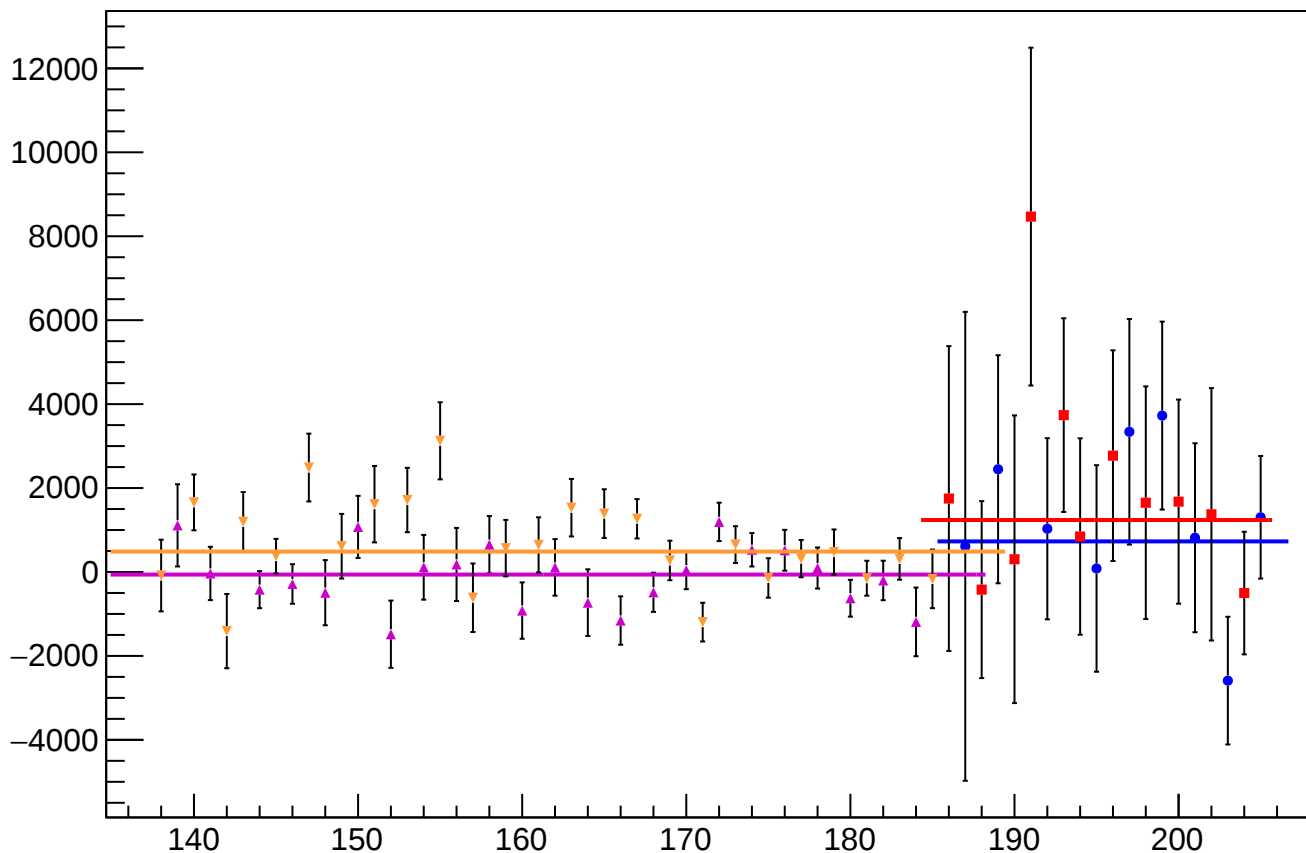
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 504.498 $\pm$ 0.080 χ^2 /NDF: 9218810.4/33

All: 504.822 $\pm$ 0.057 χ^2 /NDF: 19379944.2/67

- sign 505.158 $\pm$ 0.081 χ^2 /NDF: 10161100.3/33

asym_sam_3726_avg_mean vs Slug



Right In: 728.735+/-710.072 χ^2/NDF : 8.1/8

Left Out: 486.645+/-115.346 χ^2/NDF : 56.0/24

Right Out: 1237.876+/-734.126 χ^2/NDF : 7.0/10

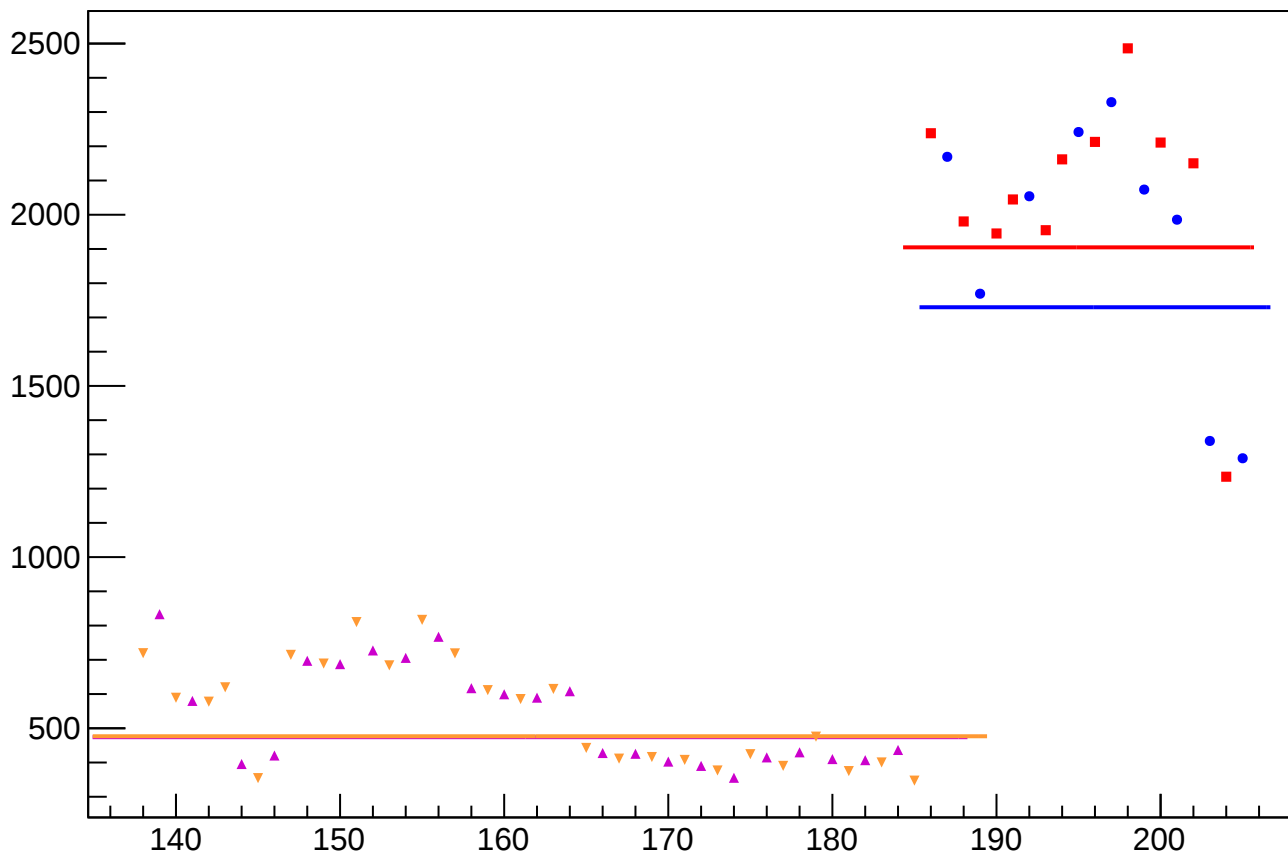
Left In: -61.775+/-117.449 χ^2/NDF : 31.2/22

+ sign 492.869+/-113.854 χ^2/NDF : 64.3/33

All: 236.582+/-81.246 χ^2/NDF : 115.8/67

- sign -29.340+/-115.974 χ^2/NDF : 41.2/33

asym_sam_3726_avg_rms vs Slug



Right In: 1729.811+/-0.502 χ^2/NDF : 630997.4/8

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 1904.750+/-0.519 χ^2/NDF : 631264.6/10

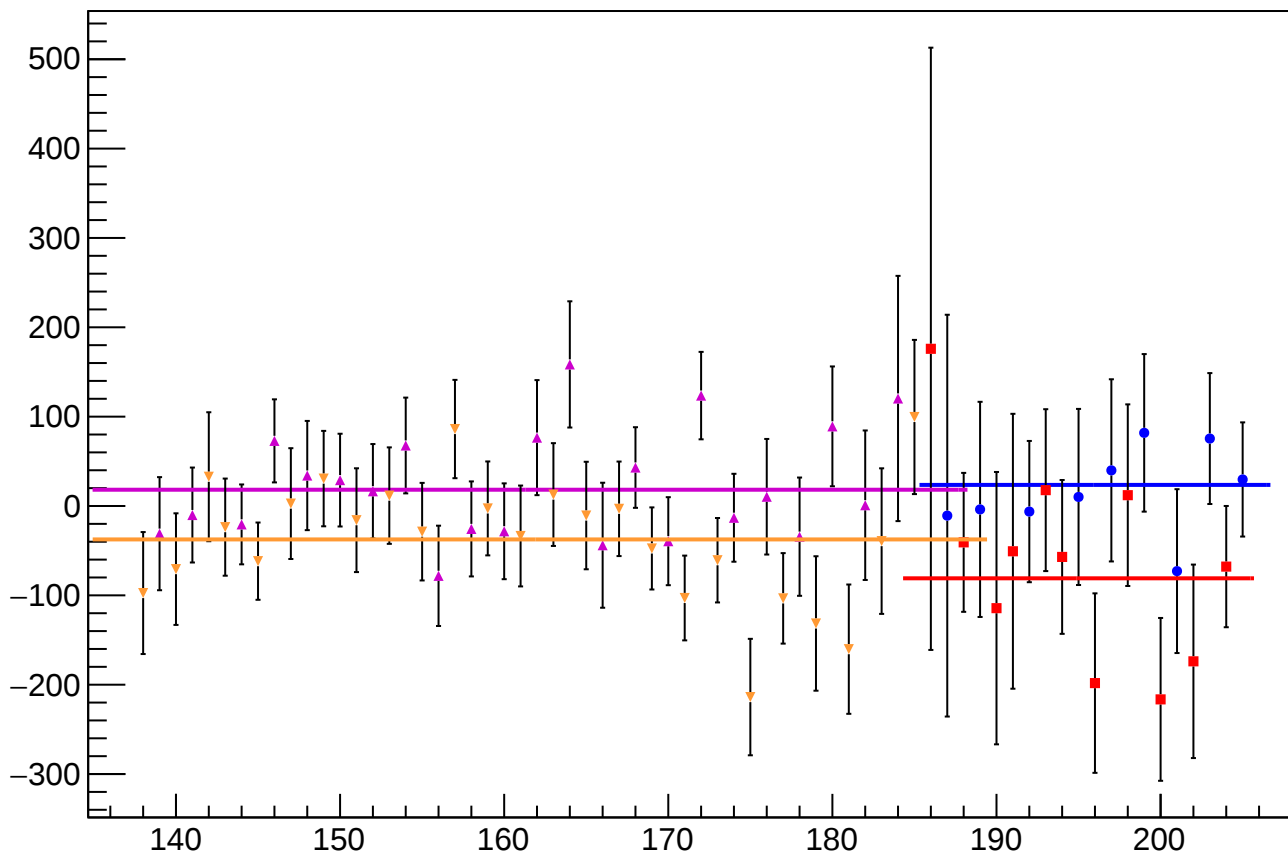
Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

+ sign 508.907+/-0.081 χ^2/NDF : 9172494.5/33

All: 509.291+/-0.057 χ^2/NDF : 19298054.8/67

- sign 509.690+/-0.082 χ^2/NDF : 10125513.9/33

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 23.609 $\pm$ 29.791 χ^2 /NDF: 2.3/8

Left Out: -37.413 $\pm$ 11.390 χ^2 /NDF:30.5/24

Right Out: -80.936 $\pm$ 29.681 χ^2 /NDF: 7.4/10

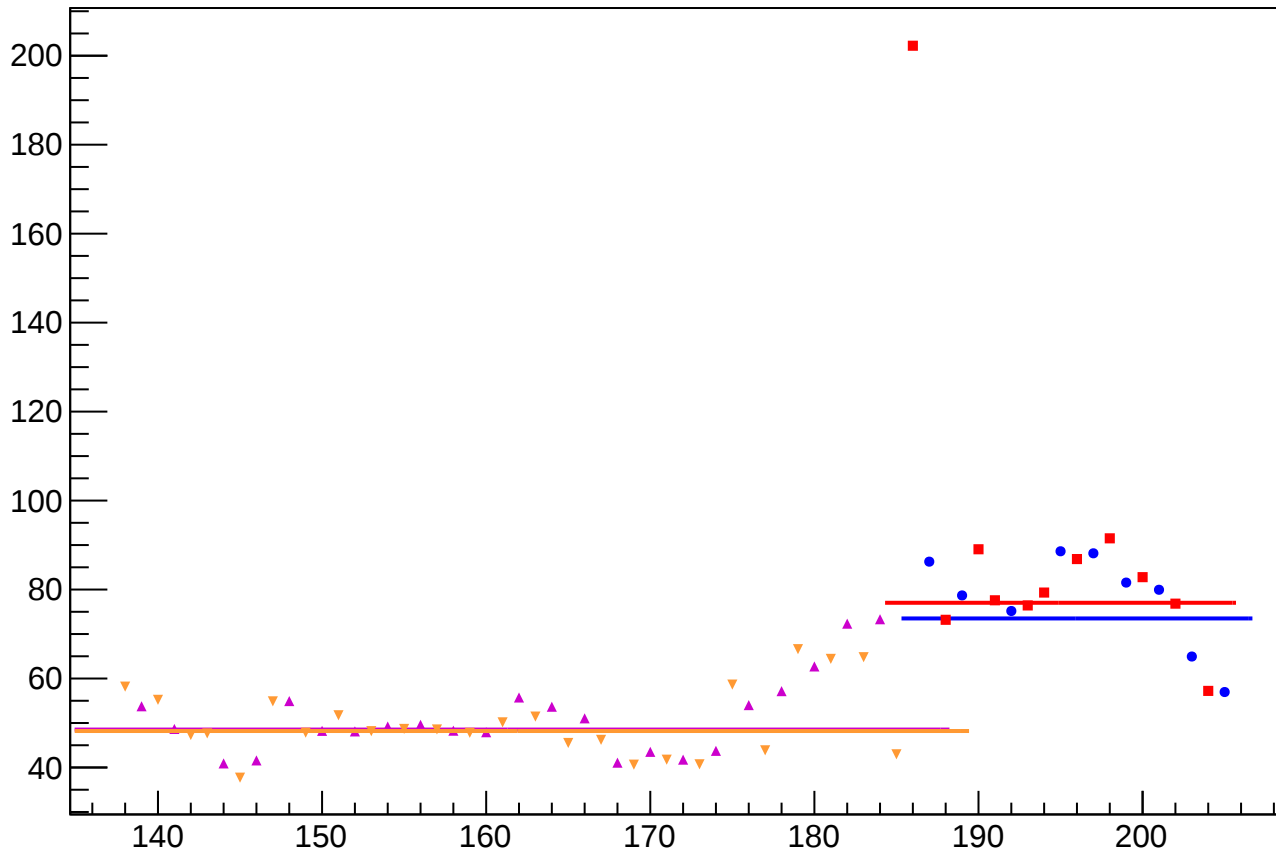
Left In: 18.210 $\pm$ 11.788 χ^2 /NDF:23.0/22

+ sign -29.631 $\pm$ 10.639 χ^2 /NDF: 36.4/33

All: -12.968 $\pm$ 7.632 χ^2 /NDF: 81.5/67

- sign 4.702 $\pm$ 10.955 χ^2 /NDF: 40.0/33

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 73.503 $\pm$ 0.021 χ^2 /NDF: 287196.3/8

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 77.027 $\pm$ 0.021 χ^2 /NDF: 533084.0/10

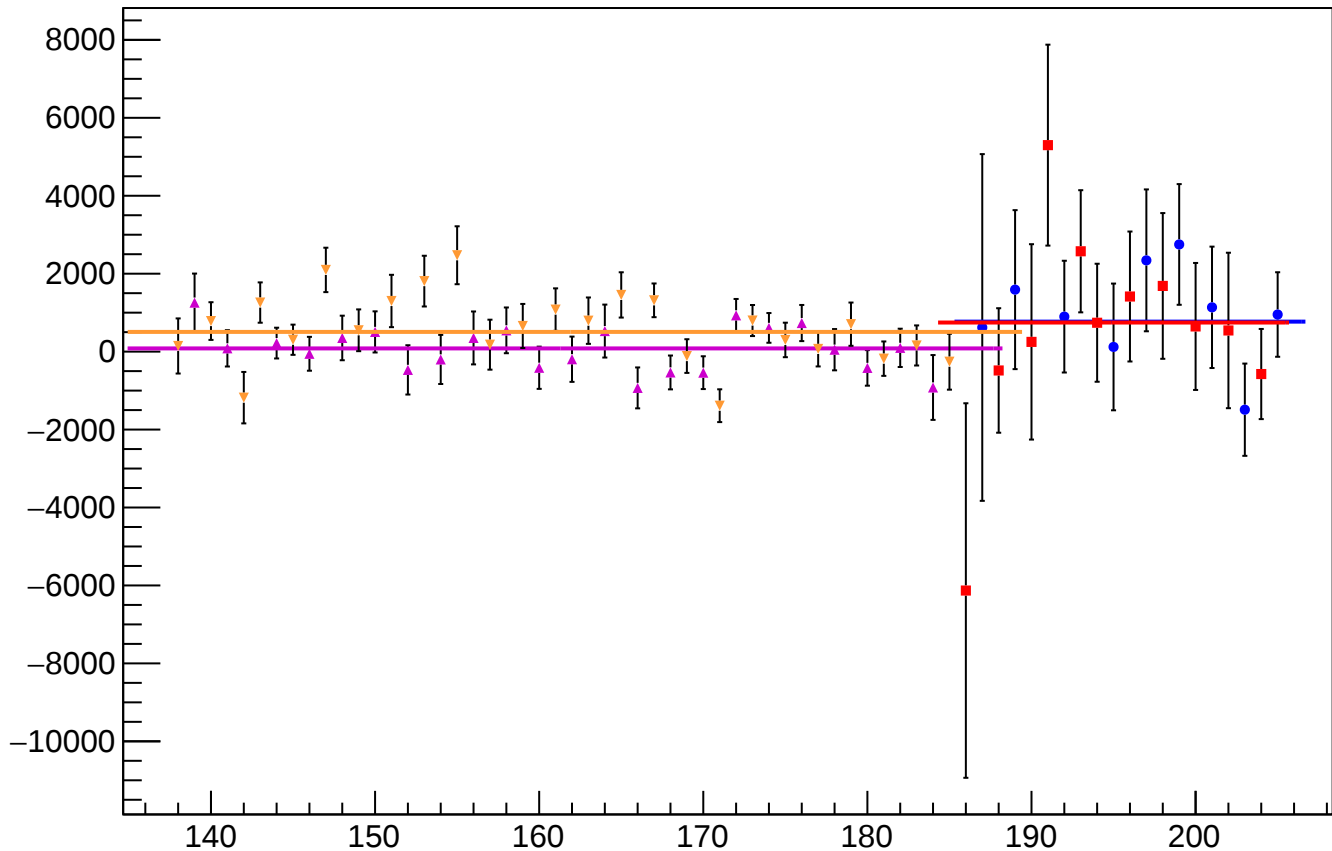
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 51.427 $\pm$ 0.008 χ^2 /NDF: 2296268.1/33

All: 51.904 $\pm$ 0.005 χ^2 /NDF: 5105747.6/67

- sign 52.410 $\pm$ 0.008 χ^2 /NDF: 2801193.9/33

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 769.966 $\pm$ 509.615 χ^2/NDF : 6.4/8

Left Out: 506.205 $\pm$ 103.468 χ^2/NDF : 65.7/24

Right Out: 746.771 $\pm$ 526.384 χ^2/NDF : 8.9/10

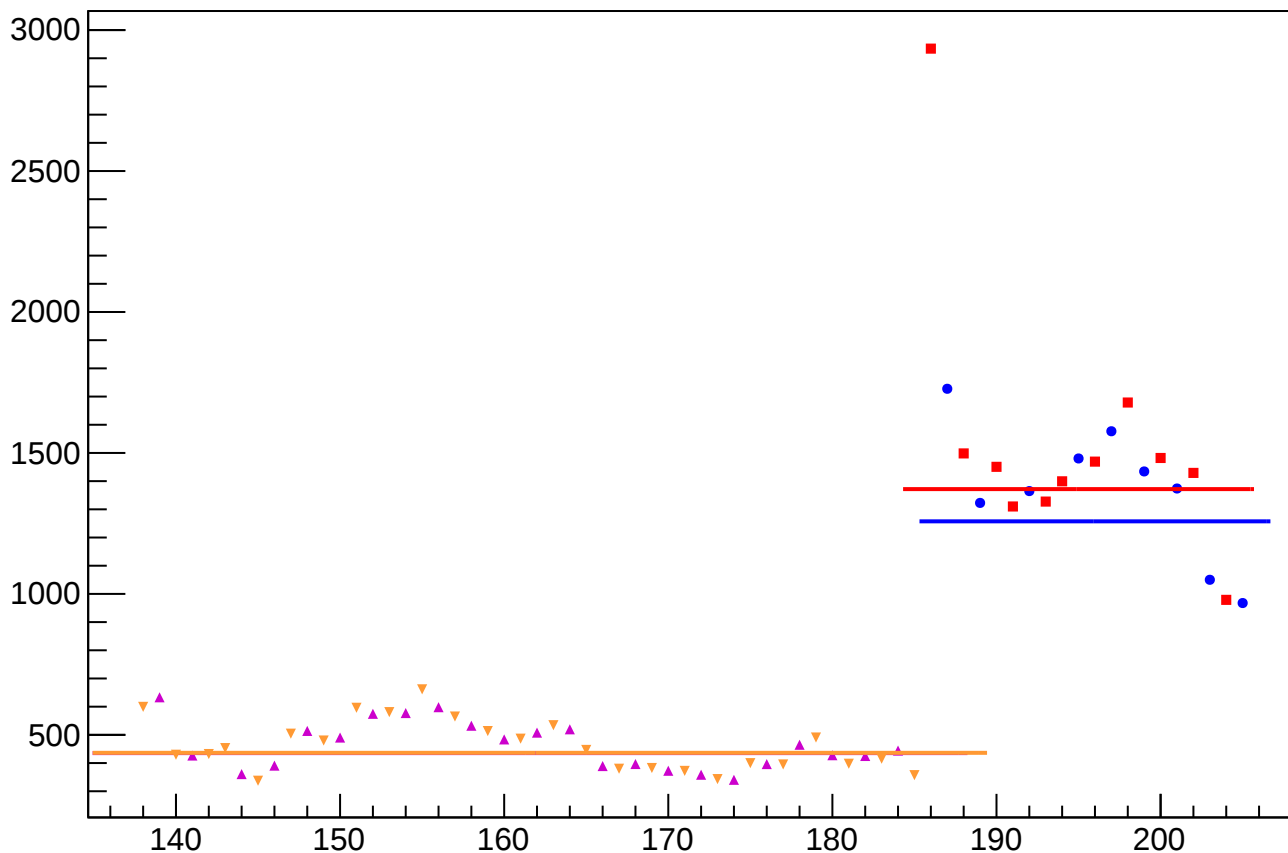
Left In: 82.421 $\pm$ 105.935 χ^2/NDF : 25.3/22

+ sign 516.647 $\pm$ 101.399 χ^2/NDF : 72.4/33

All: 317.346 $\pm$ 72.552 χ^2/NDF : 116.1/67

- sign 108.281 $\pm$ 103.853 χ^2/NDF : 35.8/33

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1257.398 $\pm$ 0.360 χ^2 /NDF: 376328.0/8

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF: 1179348.4/24

Right Out: 1371.747 $\pm$ 0.372 χ^2 /NDF: 531668.6/10

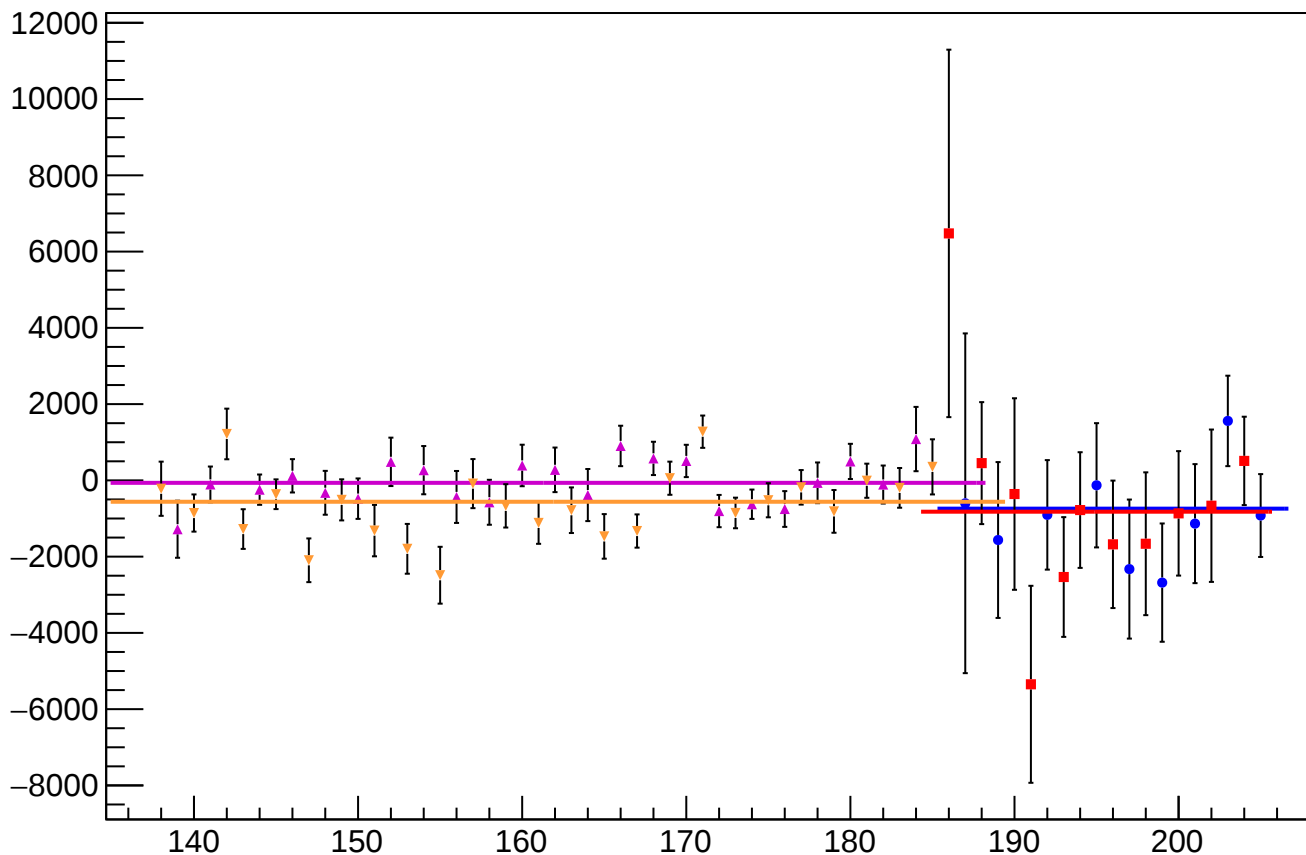
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF: 1027713.1/22

+ sign 468.808 $\pm$ 0.072 χ^2 /NDF: 6542131.7/33

All: 470.233 $\pm$ 0.051 χ^2 /NDF: 14186067.3/67

- sign 471.727 $\pm$ 0.073 χ^2 /NDF: 7643126.8/33

asym_sam_15_48_dd_mean vs Slug



Right In: -741.552 ± 510.552 χ^2/NDF : 6.5/8

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -821.534 ± 527.303 χ^2/NDF : 9.0/10

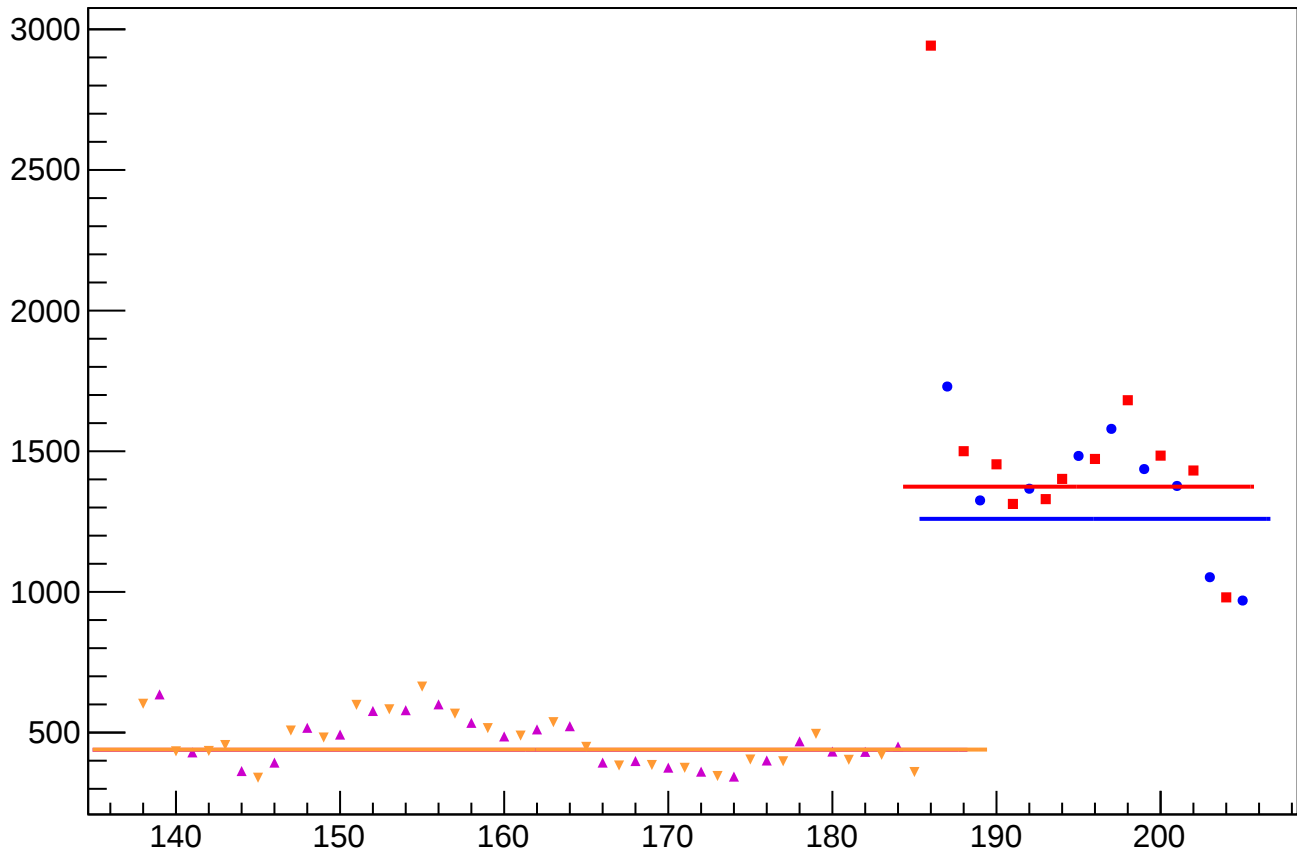
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -567.918 ± 102.102 χ^2/NDF : 68.4/33

All: -336.839 ± 73.060 χ^2/NDF : 115.0/67

- sign -94.373 ± 104.588 χ^2/NDF : 36.2/33

asym_sam_15_48_dd_rms vs Slug



Right In: 1259.733+/-0.361 χ^2 /NDF: 376092.3/8

Left Out: 439.527+/-0.074 χ^2 /NDF:1163352.8/24

Right Out: 1374.137+/-0.373 χ^2 /NDF: 531797.2/10

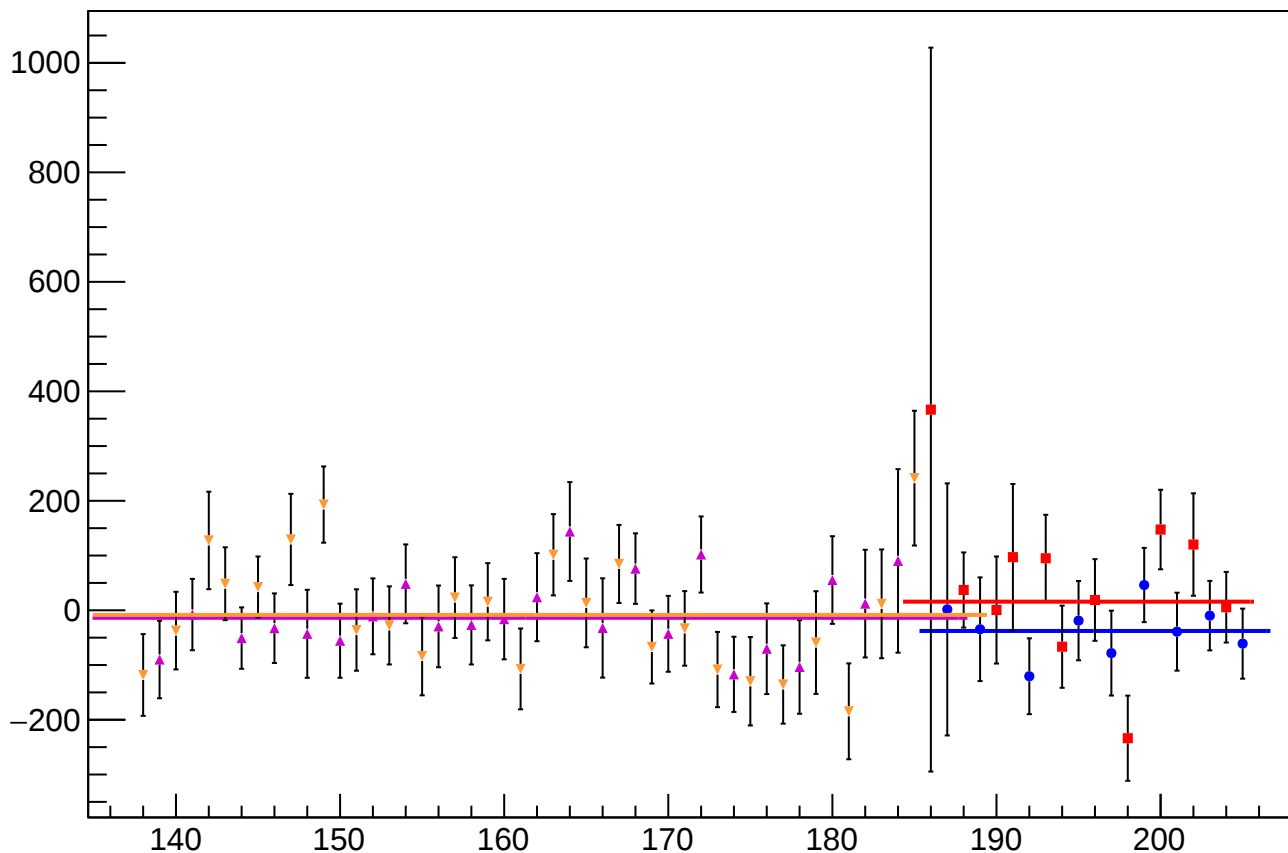
Left In: 438.548+/-0.075 χ^2 /NDF:1013071.4/22

+ sign 472.330+/-0.072 χ^2 /NDF: 6494740.3/33

All: 473.806+/-0.052 χ^2 /NDF: 14089005.9/67

- sign 475.354+/-0.074 χ^2 /NDF: 7593409.2/33

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -37.783 ± 24.981 χ^2/NDF : 3.7/8

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 15.751 ± 25.001 χ^2/NDF : 17.8/10

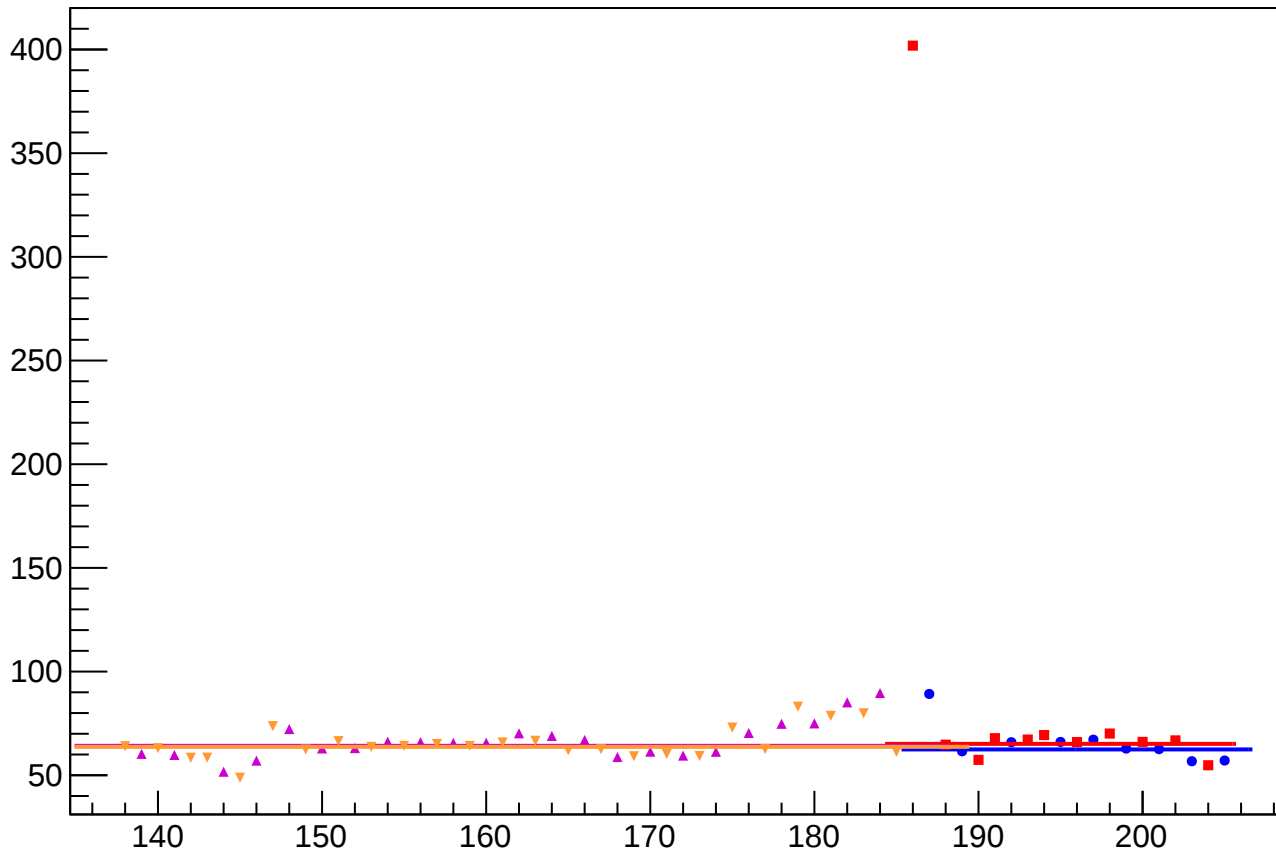
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -16.149 ± 12.819 χ^2/NDF : 46.3/33

All: -10.992 ± 9.182 χ^2/NDF : 81.7/67

- sign -5.556 ± 13.160 χ^2/NDF : 35.1/33

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.452 $\pm$ 0.018 χ^2 /NDF: 74809.3/8

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 65.134 $\pm$ 0.018 χ^2 /NDF: 600549.9/10

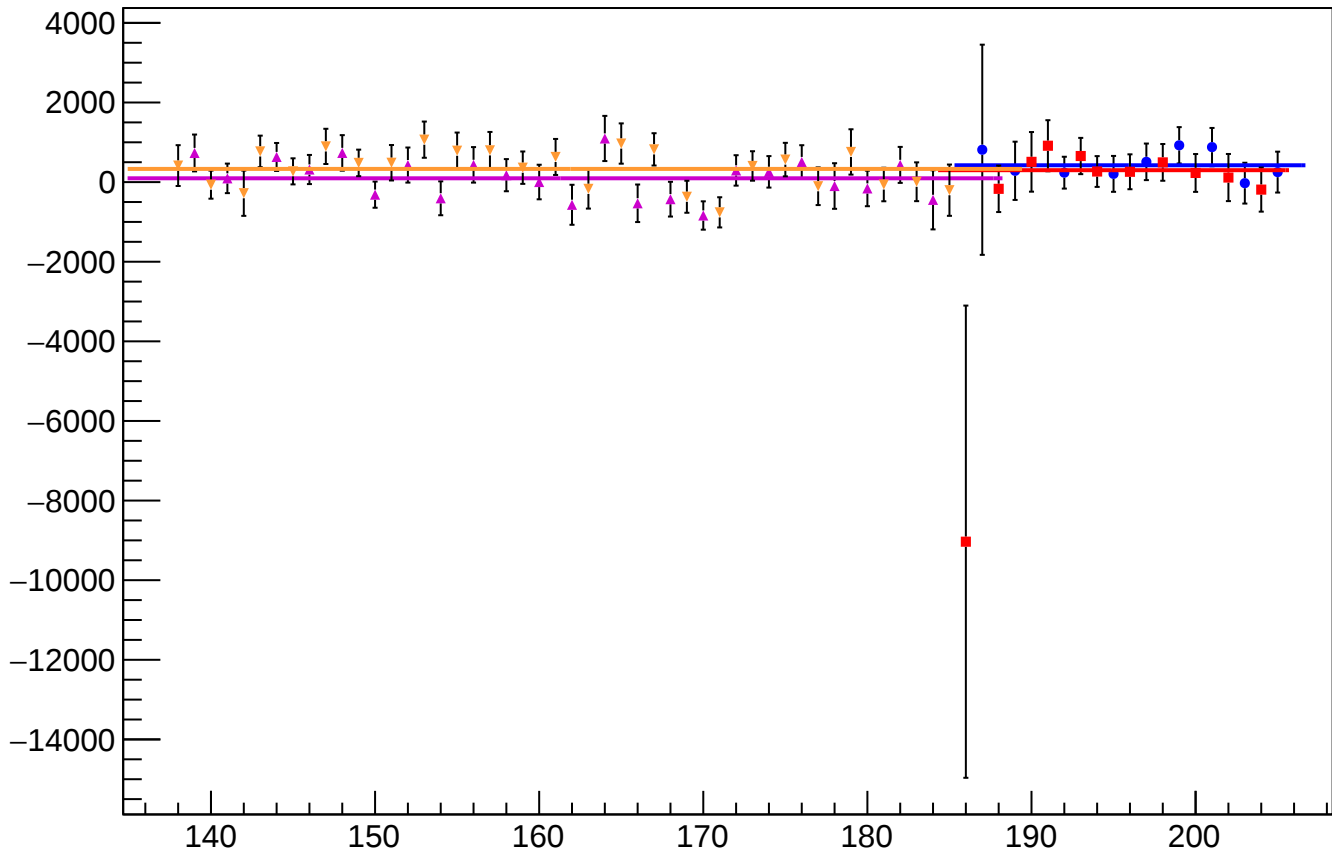
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.368 $\pm$ 0.009 χ^2 /NDF: 526904.0/33

All: 63.895 $\pm$ 0.006 χ^2 /NDF: 1566133.4/67

- sign 64.451 $\pm$ 0.009 χ^2 /NDF: 1032284.9/33

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 423.091 $\pm$ 169.926 χ^2 /NDF: 3.5/8

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF: 29.9/24

Right Out: 299.652 $\pm$ 159.871 χ^2 /NDF: 5.8/10

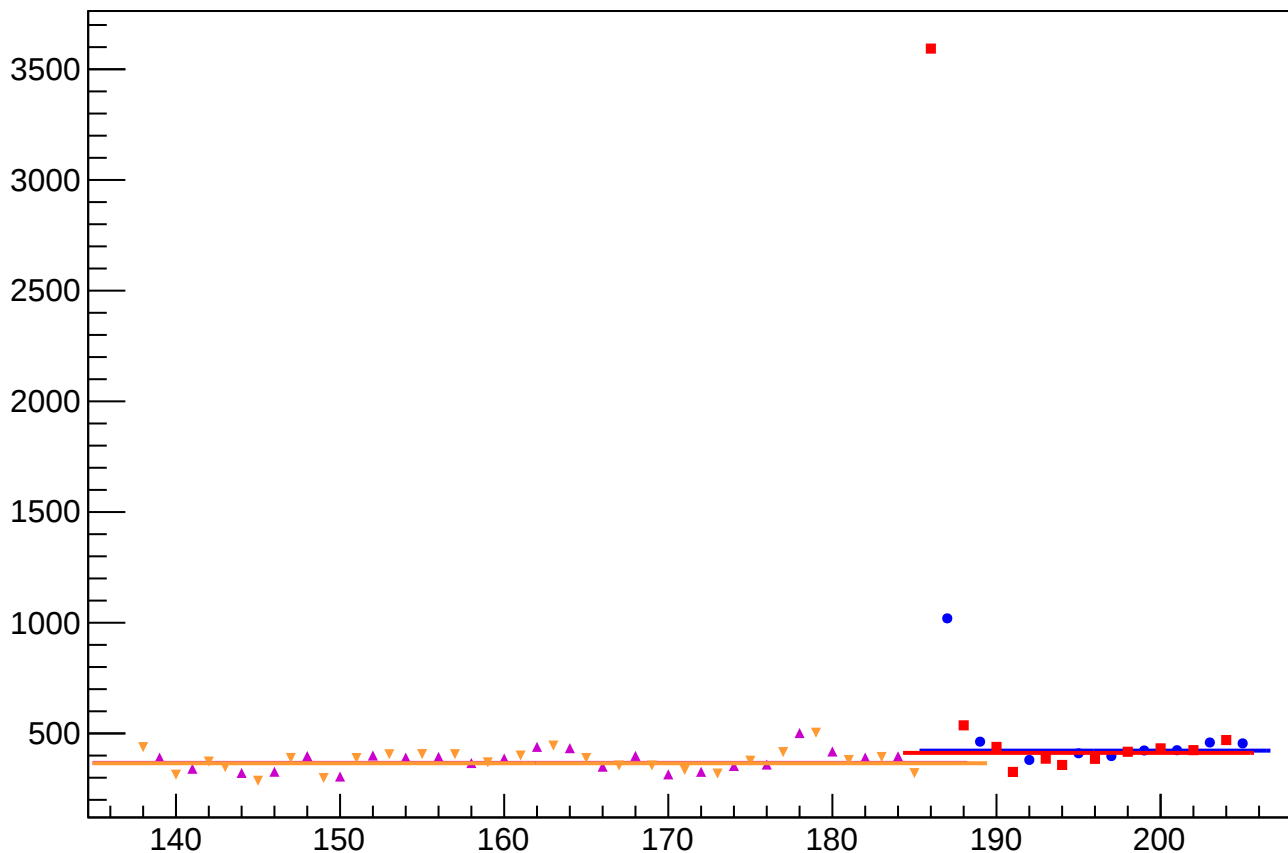
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 350.391 $\pm$ 76.783 χ^2 /NDF: 33.6/33

All: 248.113 $\pm$ 54.557 χ^2 /NDF: 73.0/67

- sign 143.829 $\pm$ 77.532 χ^2 /NDF: 35.7/33

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 422.282 $\pm$ 0.120 χ^2 /NDF: 156208.0/8

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 412.212 $\pm$ 0.113 χ^2 /NDF: 785522.1/10

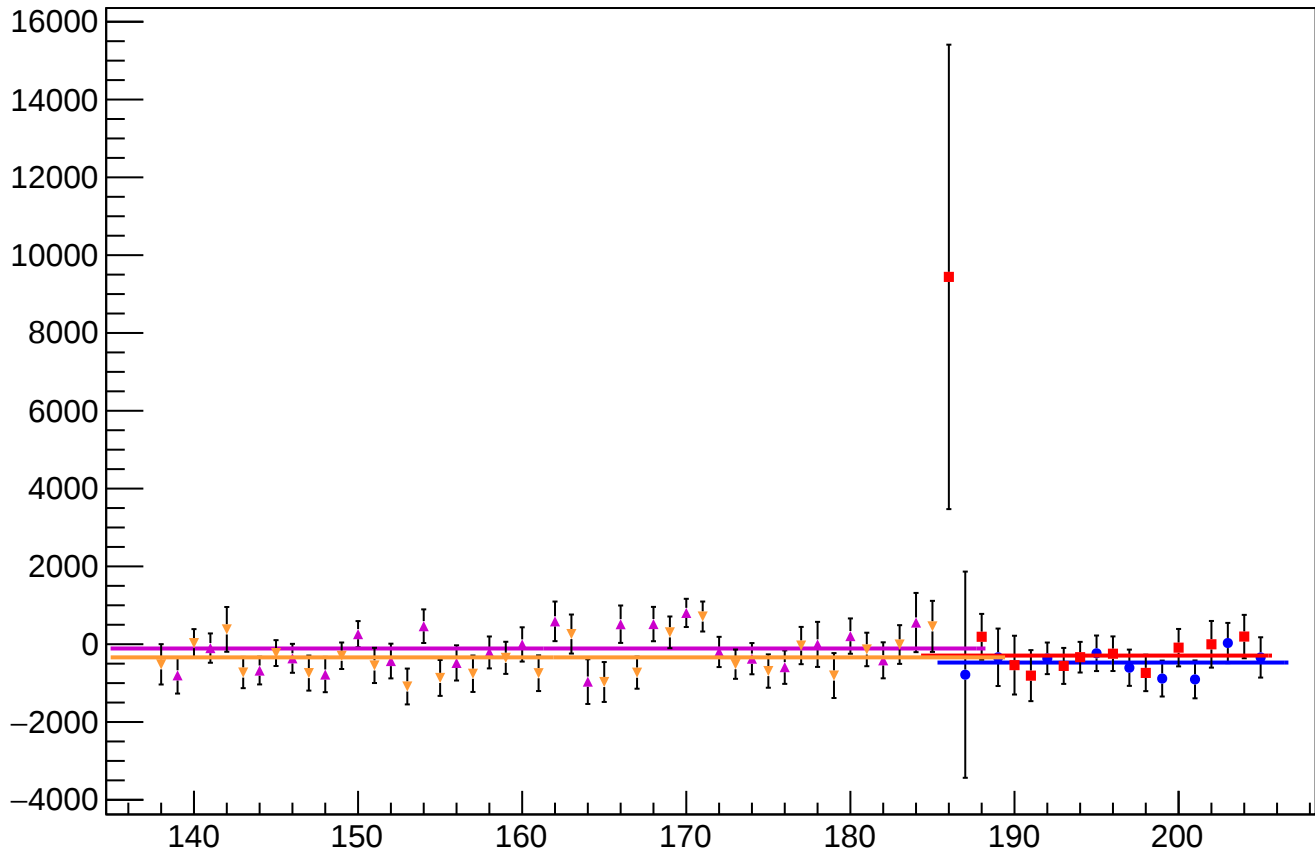
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 376.978 $\pm$ 0.054 χ^2 /NDF: 953294.0/33

All: 377.274 $\pm$ 0.039 χ^2 /NDF: 2339697.9/67

- sign 377.576 $\pm$ 0.055 χ^2 /NDF: 1386343.9/33

asym_sam_37_48_dd_mean vs Slug



Right In: -471.706 ± 171.948 χ^2/NDF : 3.1/8

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -292.393 ± 162.109 χ^2/NDF : 6.5/10

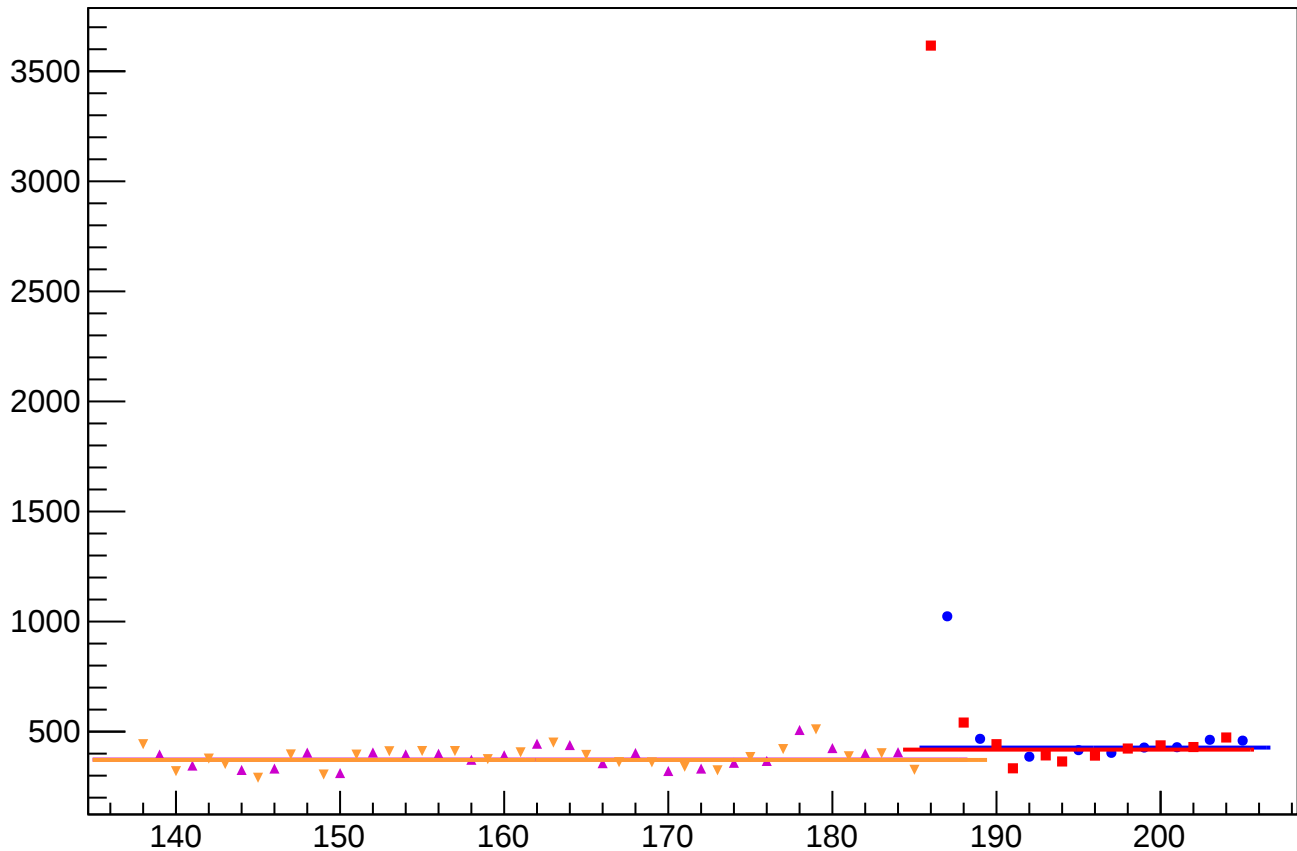
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -365.897 ± 77.948 χ^2/NDF : 31.8/33

All: -260.673 ± 55.396 χ^2/NDF : 72.1/67

- sign -153.294 ± 78.743 χ^2/NDF : 36.7/33

asym_sam_37_48_dd_rms vs Slug



Right In: 427.444+/-0.122 χ^2/NDF : 151257.1/8

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 418.239+/-0.115 χ^2/NDF : 772430.3/10

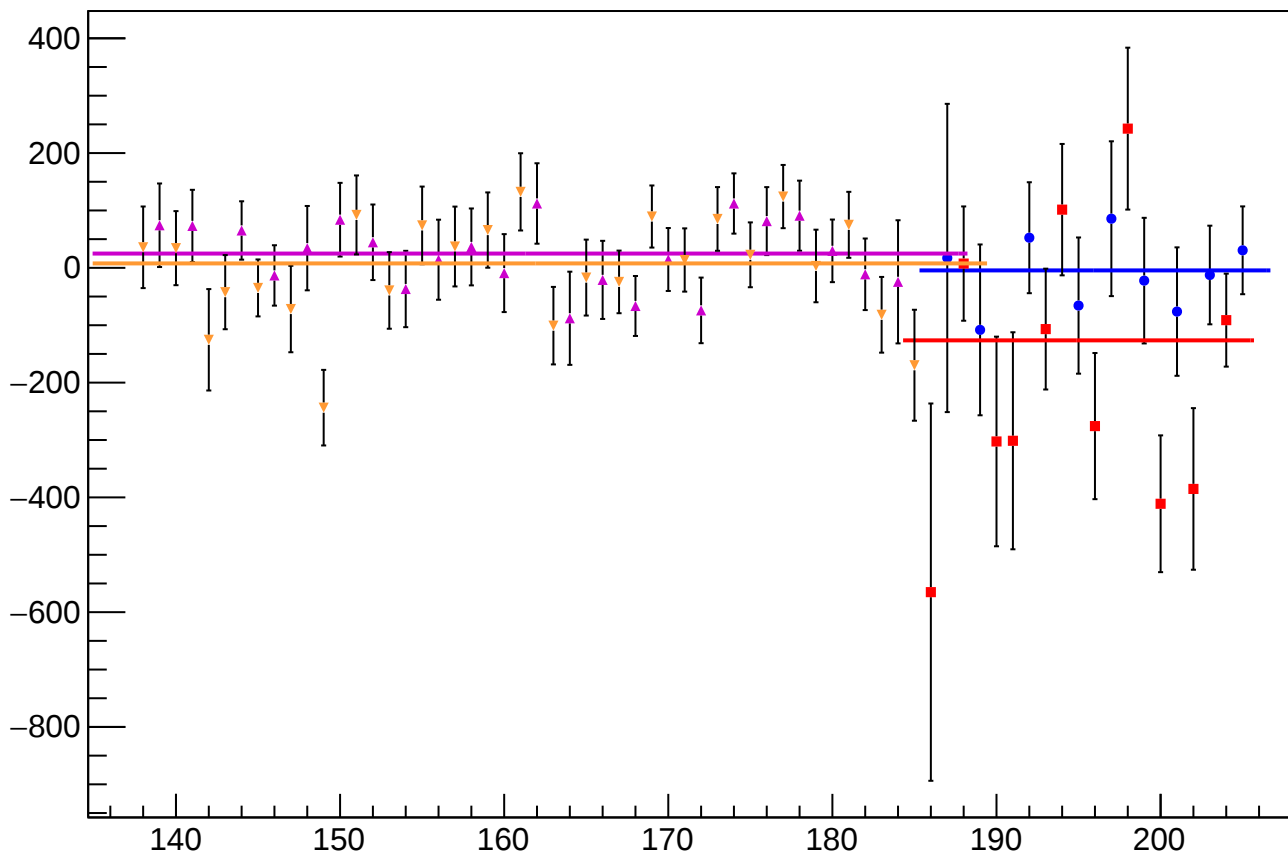
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 382.882+/-0.055 χ^2/NDF : 924401.8/33

All: 383.250+/-0.039 χ^2/NDF : 2283594.2/67

- sign 383.626+/-0.056 χ^2/NDF : 1359102.3/33

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -4.463 ± 36.238 χ^2/NDF : 2.2/8

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -126.371 ± 37.275 χ^2/NDF : 26.9/10

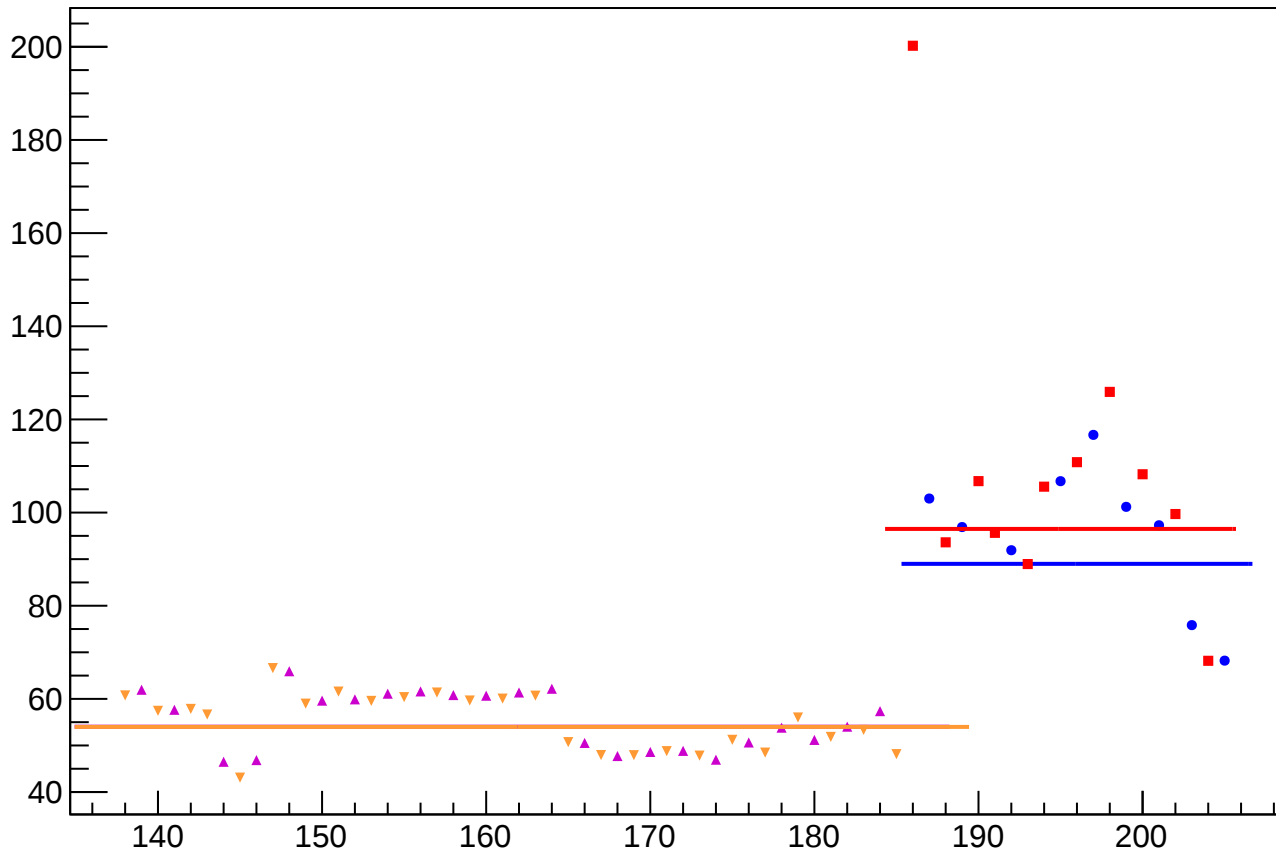
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 6.399 ± 11.948 χ^2/NDF : 47.7/33

All: 7.380 ± 8.570 χ^2/NDF : 109.0/67

- sign 8.420 ± 12.299 χ^2/NDF : 61.3/33

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 88.992 $\pm$ 0.026 χ^2 /NDF: 372268.1/8

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 96.491 $\pm$ 0.026 χ^2 /NDF: 607064.7/10

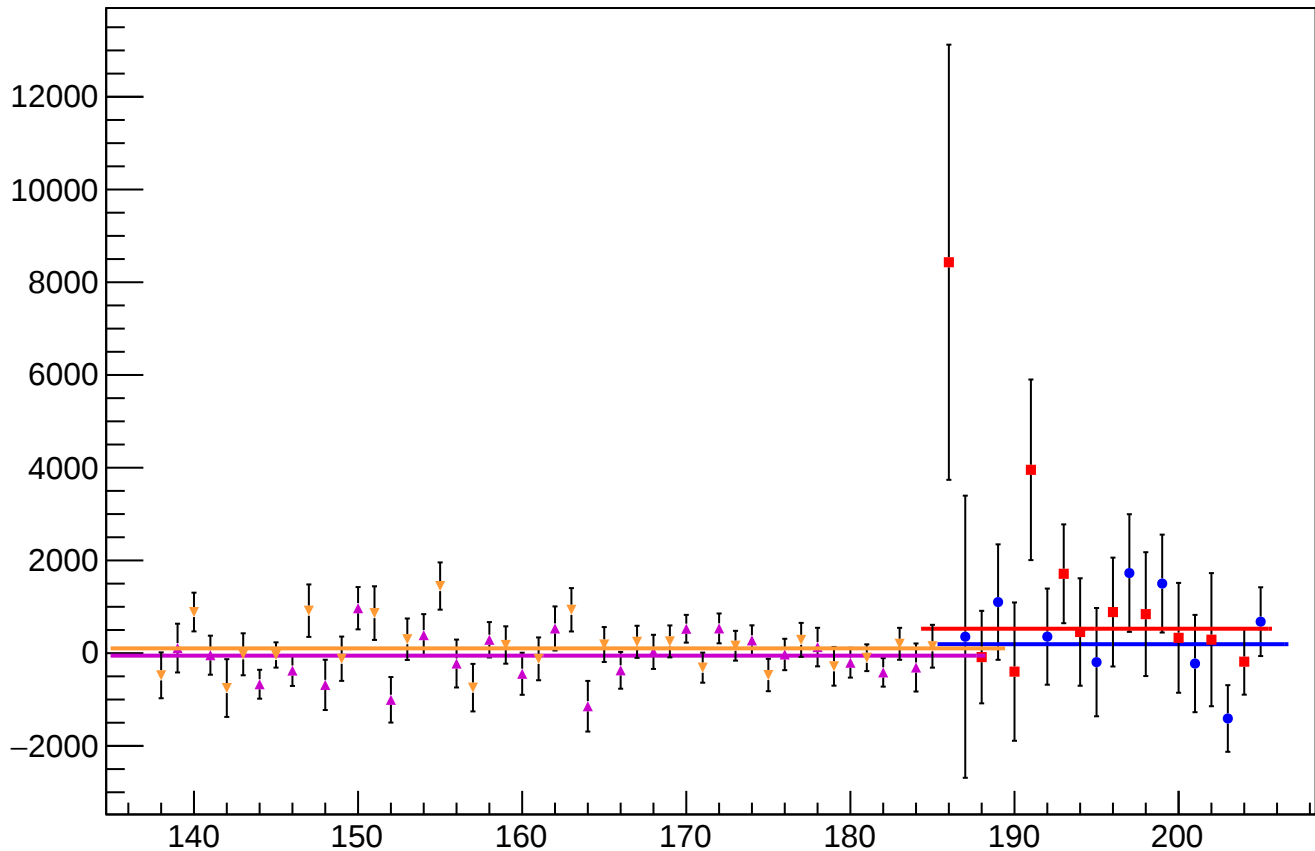
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 57.789 $\pm$ 0.008 χ^2 /NDF: 2494884.5/33

All: 58.208 $\pm$ 0.006 χ^2 /NDF: 5863804.0/67

- sign 58.651 $\pm$ 0.009 χ^2 /NDF: 3363872.3/33

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 193.501 ± 341.087 $\chi^2/\text{NDF}: 9.2/8$

Left Out: 103.768 ± 79.344 $\chi^2/\text{NDF}: 31.0/24$

Right Out: 527.189 ± 356.938 $\chi^2/\text{NDF}: 9.1/10$

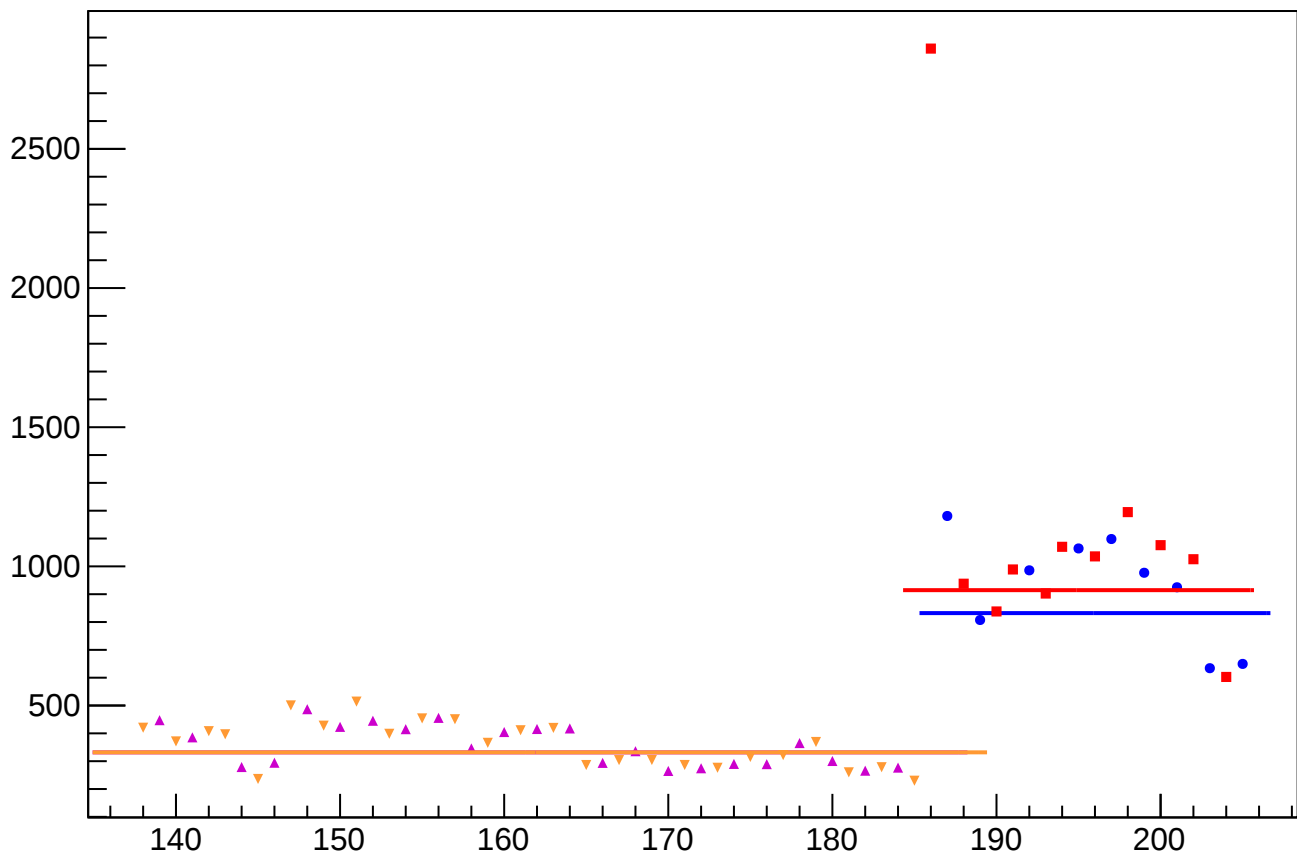
Left In: -53.493 ± 81.201 $\chi^2/\text{NDF}: 34.1/22$

+ sign 108.374 ± 77.281 $\chi^2/\text{NDF}: 40.3/33$

All: 43.343 ± 55.304 $\chi^2/\text{NDF}: 87.5/67$

- sign -24.920 ± 79.178 $\chi^2/\text{NDF}: 45.8/33$

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 832.071+/-0.241 χ^2/NDF : 564267.5/8

Left Out: 331.770+/-0.056 χ^2/NDF : 1711721.9/24

Right Out: 914.518+/-0.252 χ^2/NDF : 932770.8/10

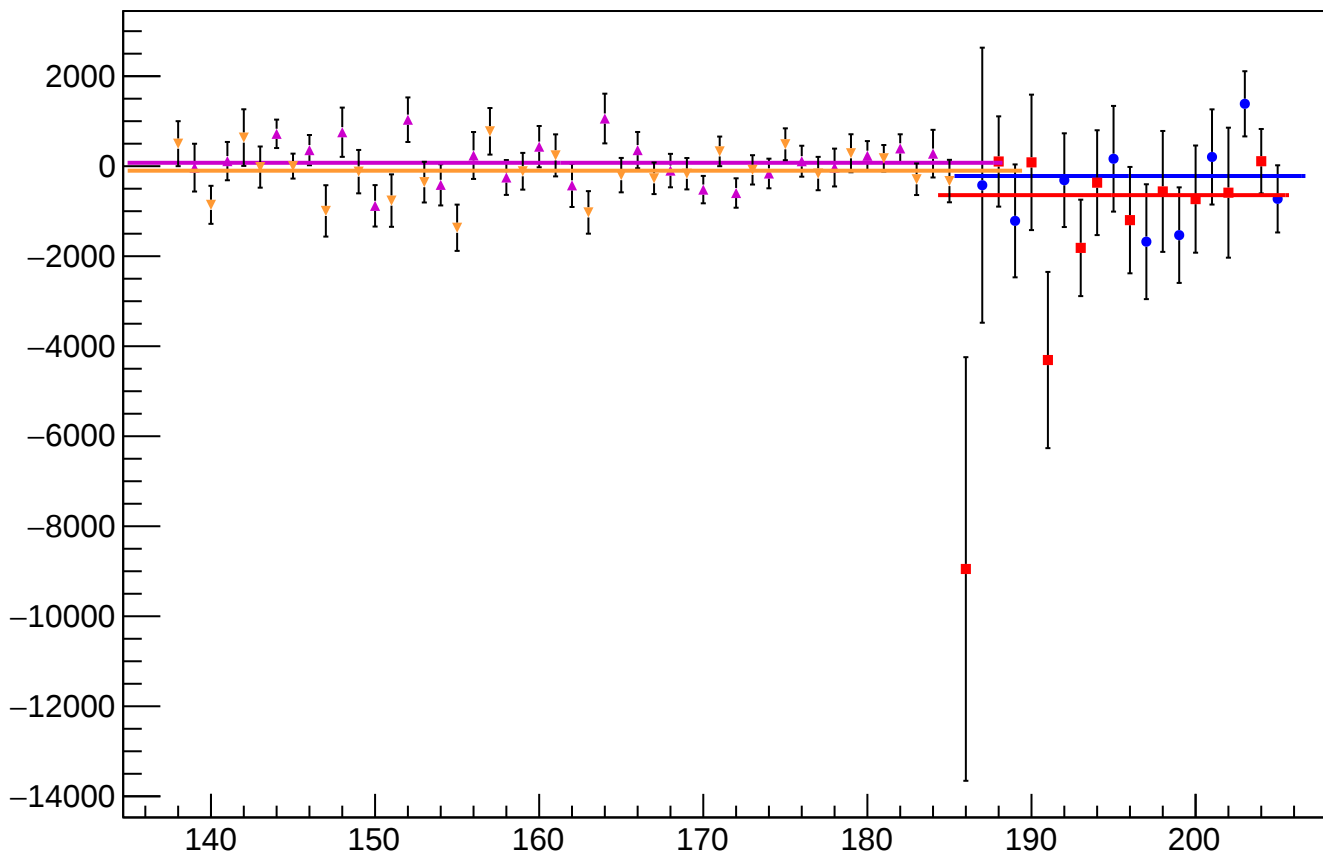
Left In: 331.666+/-0.057 χ^2/NDF : 1303192.2/22

+ sign 357.453+/-0.055 χ^2/NDF : 6358004.0/33

All: 358.865+/-0.039 χ^2/NDF : 13665791.3/67

- sign 360.346+/-0.056 χ^2/NDF : 7306420.2/33

asym_sam_15_26_dd_mean vs Slug



Right In: -218.051 ± 343.252 χ^2/NDF : 9.1/8

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -643.164 ± 359.082 χ^2/NDF : 10.0/10

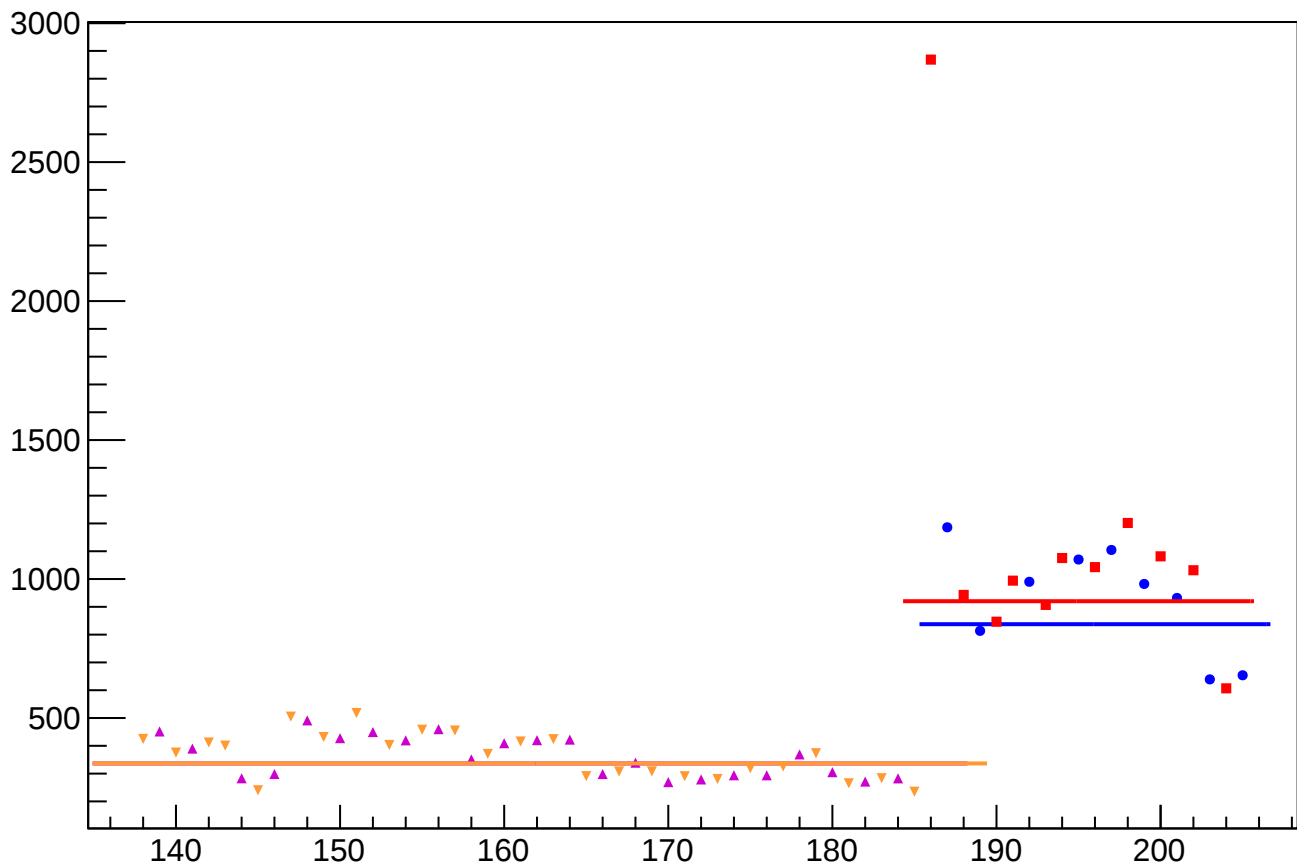
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -105.940 ± 78.307 χ^2/NDF : 39.9/33

All: -34.897 ± 56.041 χ^2/NDF : 87.5/67

- sign 39.692 ± 80.237 χ^2/NDF : 45.9/33

asym_sam_15_26_dd_rms vs Slug



Right In: 837.535 $\pm$ 0.243 χ^2 /NDF: 560451.4/8

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF: 1665919.4/24

Right Out: 920.210 $\pm$ 0.254 χ^2 /NDF: 928757.7/10

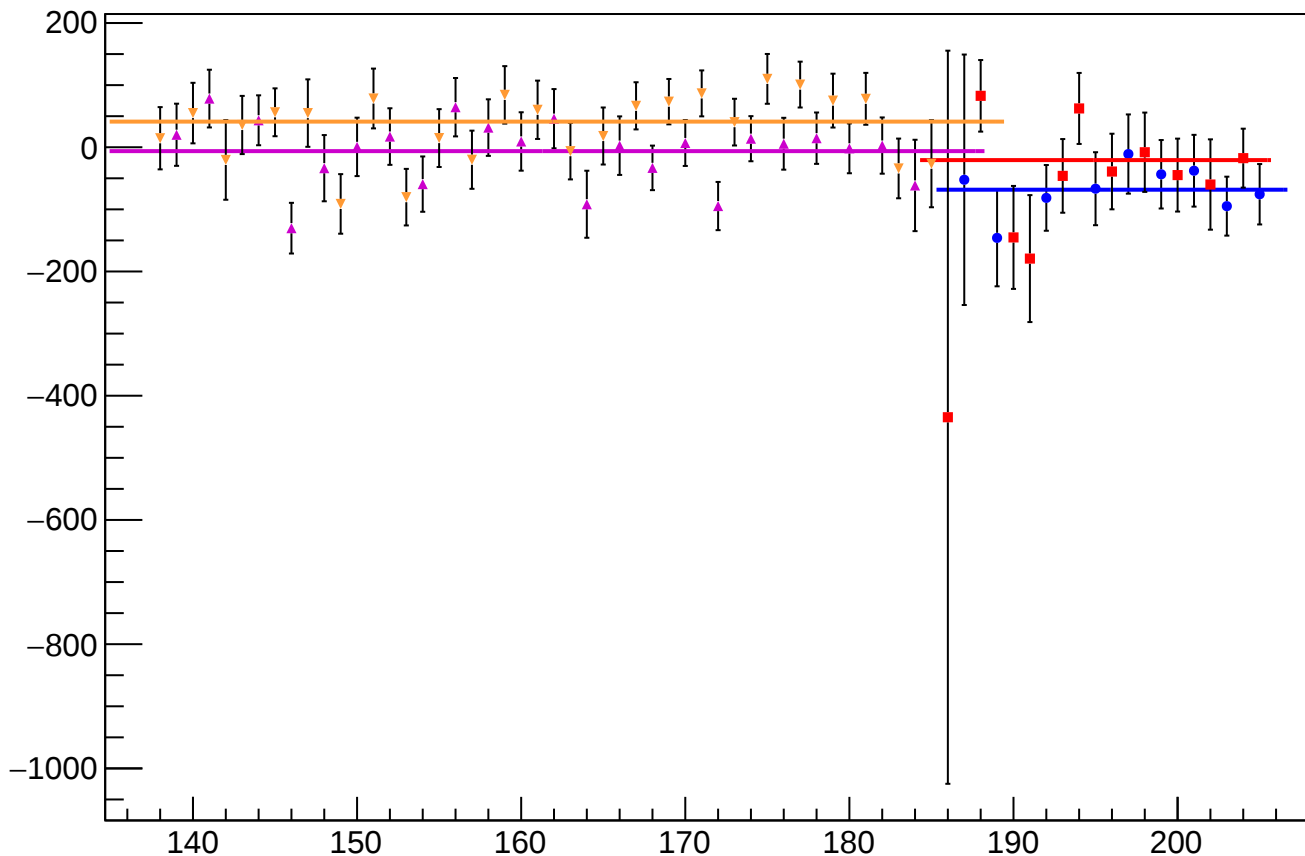
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF: 1269066.3/22

+ sign 362.631 $\pm$ 0.055 χ^2 /NDF: 6264947.1/33

All: 364.073 $\pm$ 0.040 χ^2 /NDF: 13486231.2/67

- sign 365.587 $\pm$ 0.057 χ^2 /NDF: 7219893.2/33

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -68.351 ± 19.694 χ^2/NDF : 2.7/8

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -20.694 ± 19.708 χ^2/NDF : 11.3/10

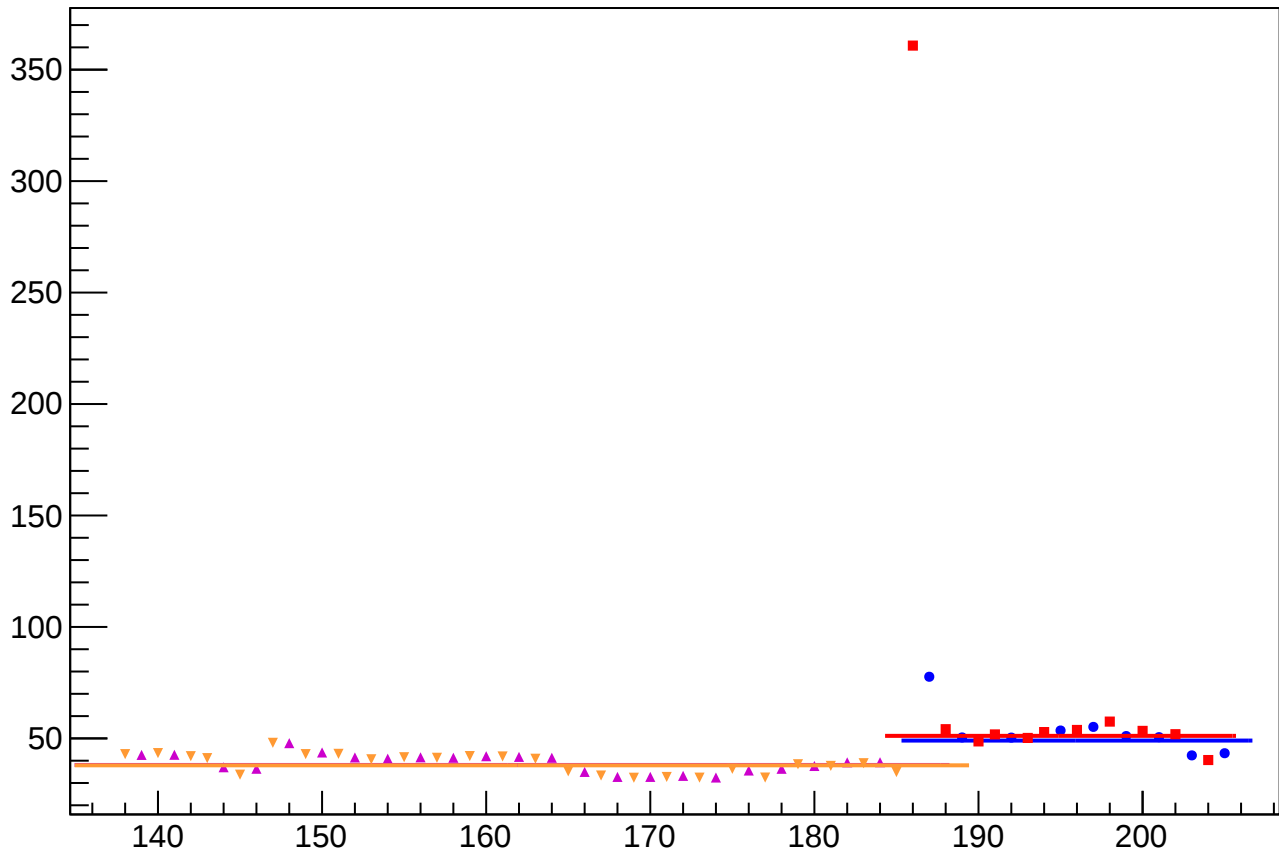
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 22.727 ± 8.102 χ^2/NDF : 62.8/33

All: 7.365 ± 5.804 χ^2/NDF : 112.2/67

- sign -8.826 ± 8.318 χ^2/NDF : 42.0/33

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 49.029 $\pm$ 0.014 χ^2 /NDF: 143194.3/8

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 51.143 $\pm$ 0.014 χ^2 /NDF: 691733.1/10

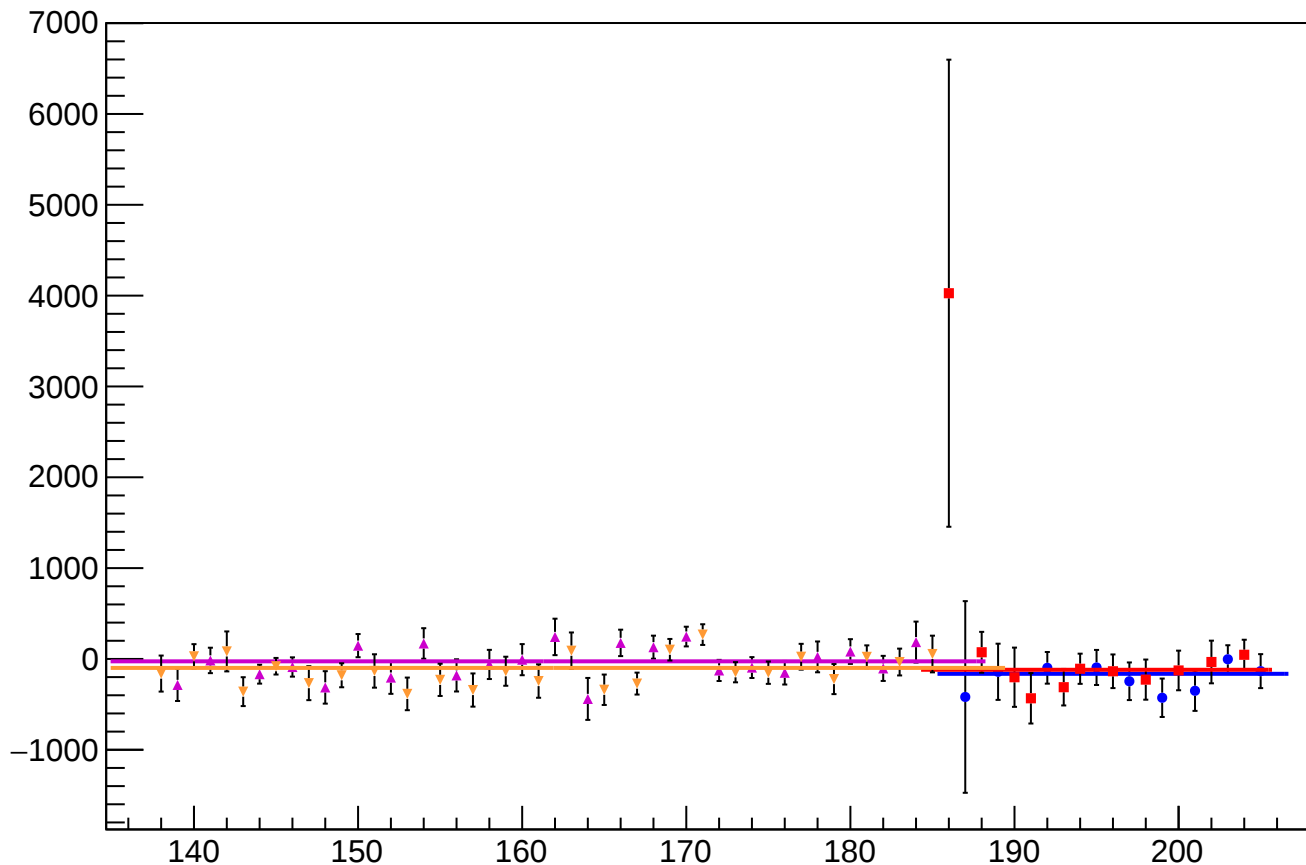
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 39.804 $\pm$ 0.006 χ^2 /NDF: 1158412.8/33

All: 40.101 $\pm$ 0.004 χ^2 /NDF: 2973298.3/67

- sign 40.413 $\pm$ 0.006 χ^2 /NDF: 1809395.9/33

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -163.696 ± 69.366 χ^2/NDF : 3.9/8

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -119.305 ± 66.141 χ^2/NDF : 7.0/10

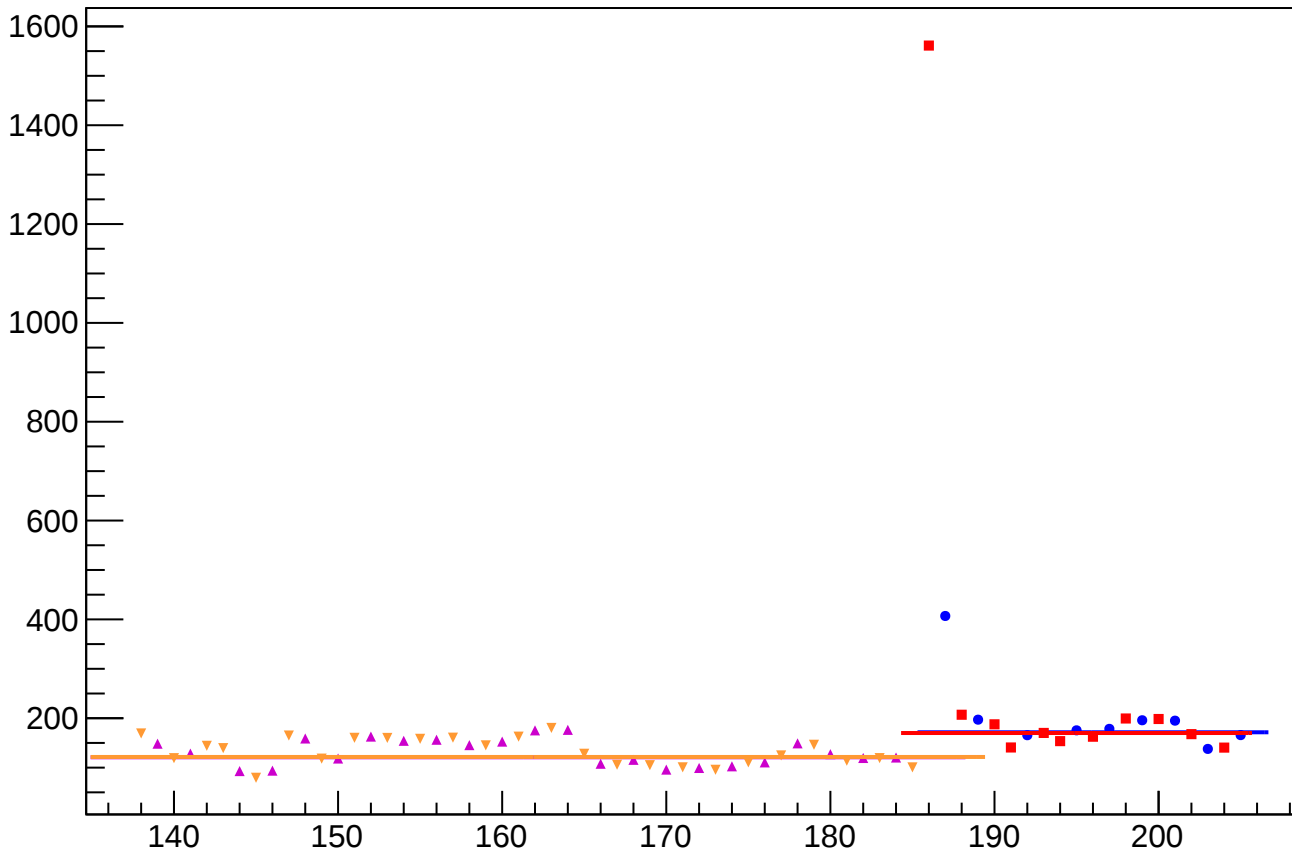
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -108.459 ± 26.831 χ^2/NDF : 37.4/33

All: -75.442 ± 19.058 χ^2/NDF : 79.7/67

- sign -41.821 ± 27.075 χ^2/NDF : 39.3/33

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 171.530+/-0.049 χ^2/NDF : 264575.8/8

Left Out: 121.592+/-0.021 χ^2/NDF : 1711423.9/24

Right Out: 170.054+/-0.047 χ^2/NDF : 823562.1/10

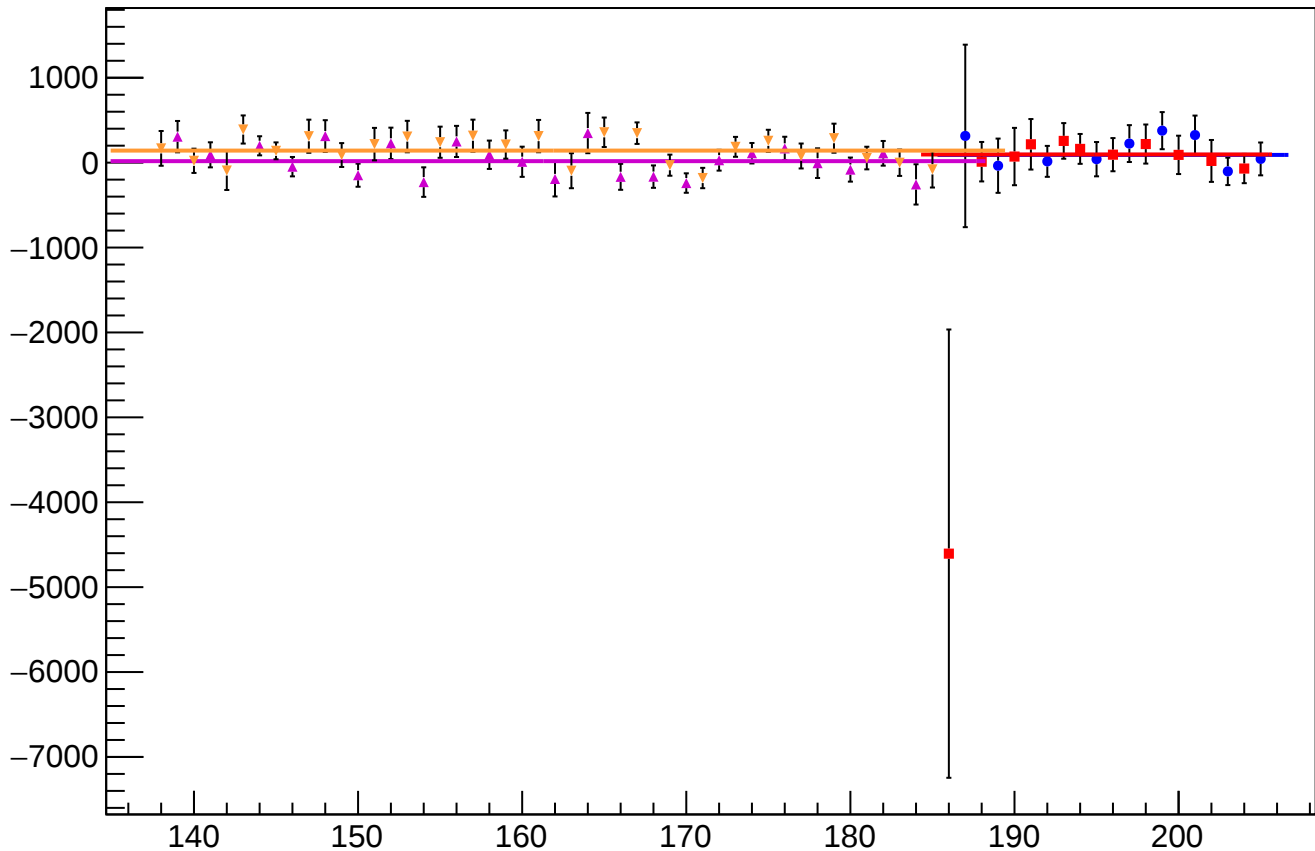
Left In: 120.927+/-0.021 χ^2/NDF : 1382861.4/22

+ sign 129.063+/-0.019 χ^2/NDF : 2857508.2/33

All: 129.111+/-0.013 χ^2/NDF : 5982428.5/67

- sign 129.159+/-0.019 χ^2/NDF : 3124907.7/33

asym_sam_37_26_dd_mean vs Slug



Right In: 91.150+/-72.275 χ^2/NDF : 5.1/8

Left Out: 142.014+/-30.574 χ^2/NDF : 26.9/24

Right Out: 96.245+/-69.253 χ^2/NDF : 5.5/10

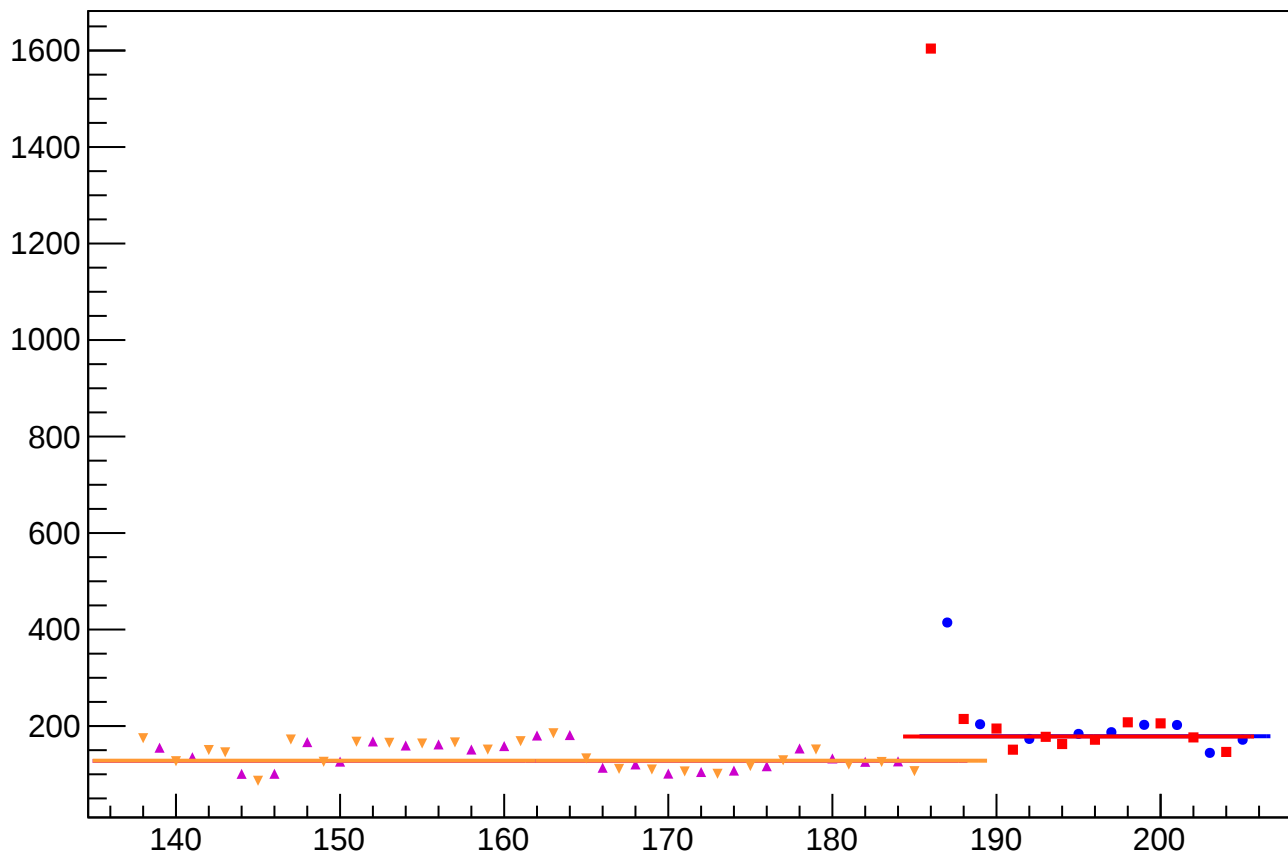
Left In: 17.679+/-31.209 χ^2/NDF : 30.1/22

+ sign 134.294+/-28.158 χ^2/NDF : 32.4/33

All: 83.155+/-20.014 χ^2/NDF : 75.7/67

- sign 30.941+/-28.453 χ^2/NDF : 36.7/33

asym_sam_37_26_dd_rms vs Slug



Right In: 178.878+/-0.051 χ^2/NDF : 252327.2/8

Left Out: 128.175+/-0.022 χ^2/NDF : 1532922.0/24

Right Out: 178.315+/-0.049 χ^2/NDF : 802535.3/10

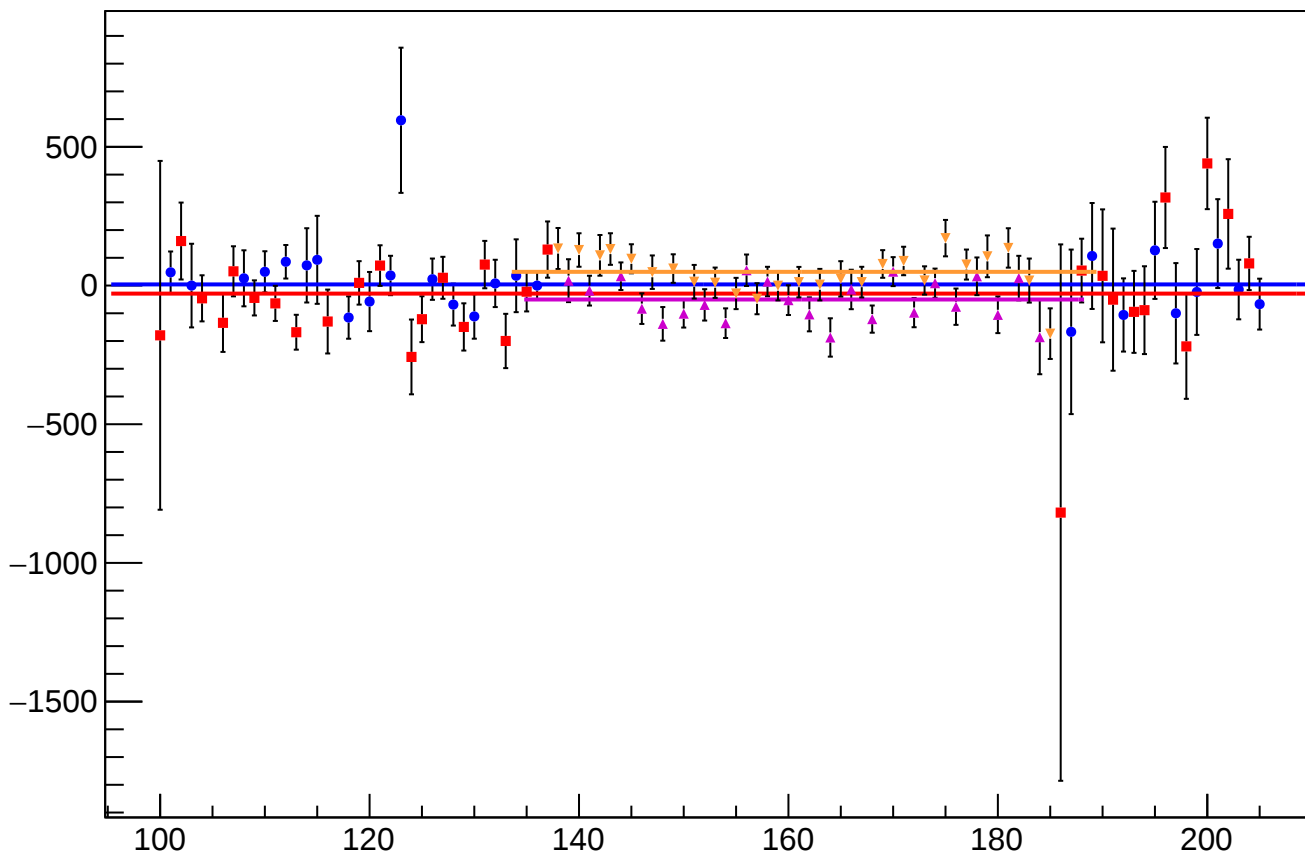
Left In: 127.544+/-0.022 χ^2/NDF : 1235705.3/22

+ sign 135.871+/-0.020 χ^2/NDF : 2620127.1/33

All: 135.991+/-0.014 χ^2/NDF : 5551958.2/67

- sign 136.114+/-0.020 χ^2/NDF : 2931757.5/33

reg_asym_sam_1357_avg_mean vs Slug



Right In: 4.072 ± 18.570 χ^2/NDF : 18.0/25

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -29.092 ± 18.063 χ^2/NDF : 43.4/29

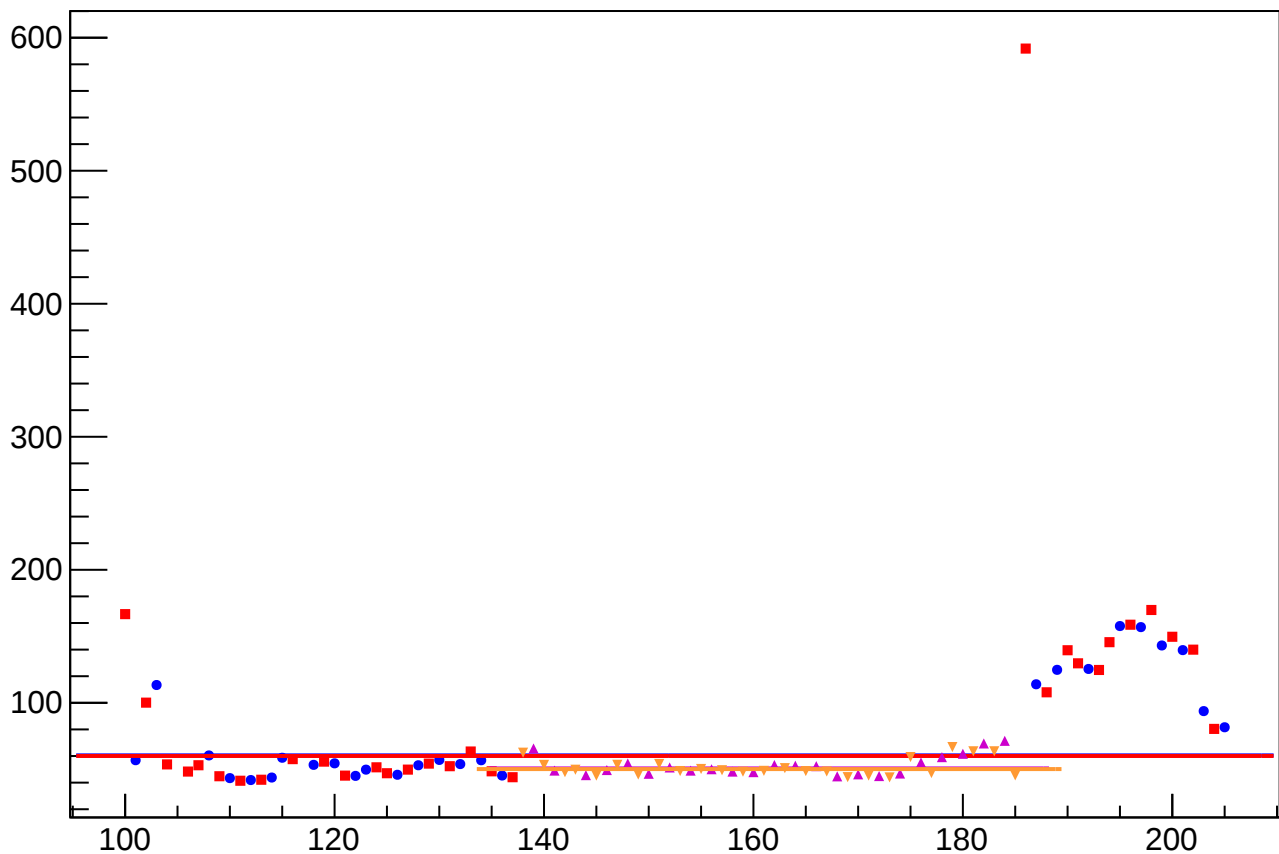
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 36.355 ± 9.963 χ^2/NDF : 50.4/50

All: -2.935 ± 7.107 χ^2/NDF : 158.5/103

- sign -43.637 ± 10.140 χ^2/NDF : 76.5/52

reg_asym_sam_1357_avg_rms vs Slug



Right In: 60.476+/-0.013 χ^2/NDF : 4313258.2/25

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 60.051+/-0.013 χ^2/NDF : 5591261.1/29

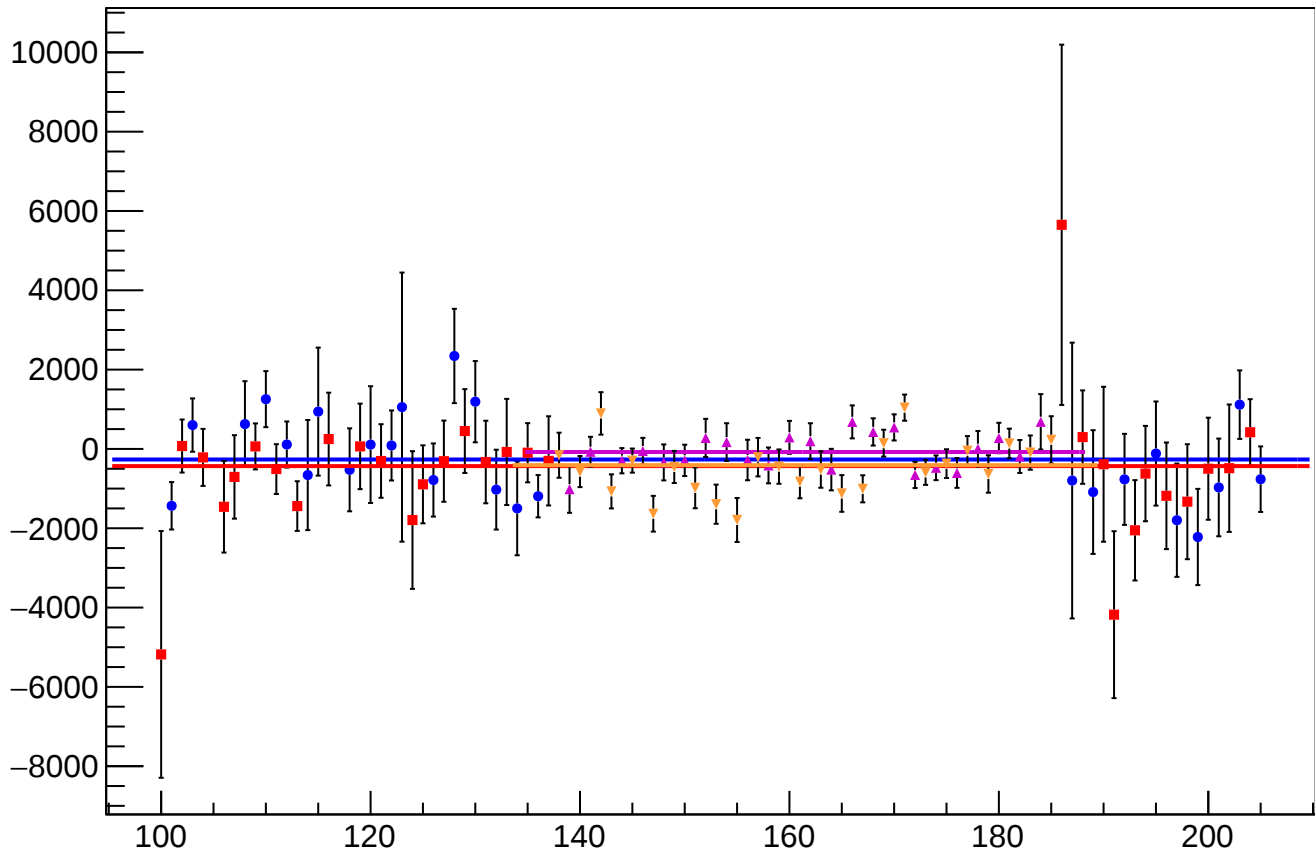
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 53.150+/-0.007 χ^2/NDF : 5217999.1/50

All: 53.389+/-0.005 χ^2/NDF : 11649345.5/103

- sign 53.636+/-0.007 χ^2/NDF : 6429013.4/52

asym_sam_1357_avg_correction_mean vs Slug



Right In: -266.280 ± 185.705 χ^2/NDF : 31.6/25

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -433.016 ± 182.414 χ^2/NDF : 18.4/29

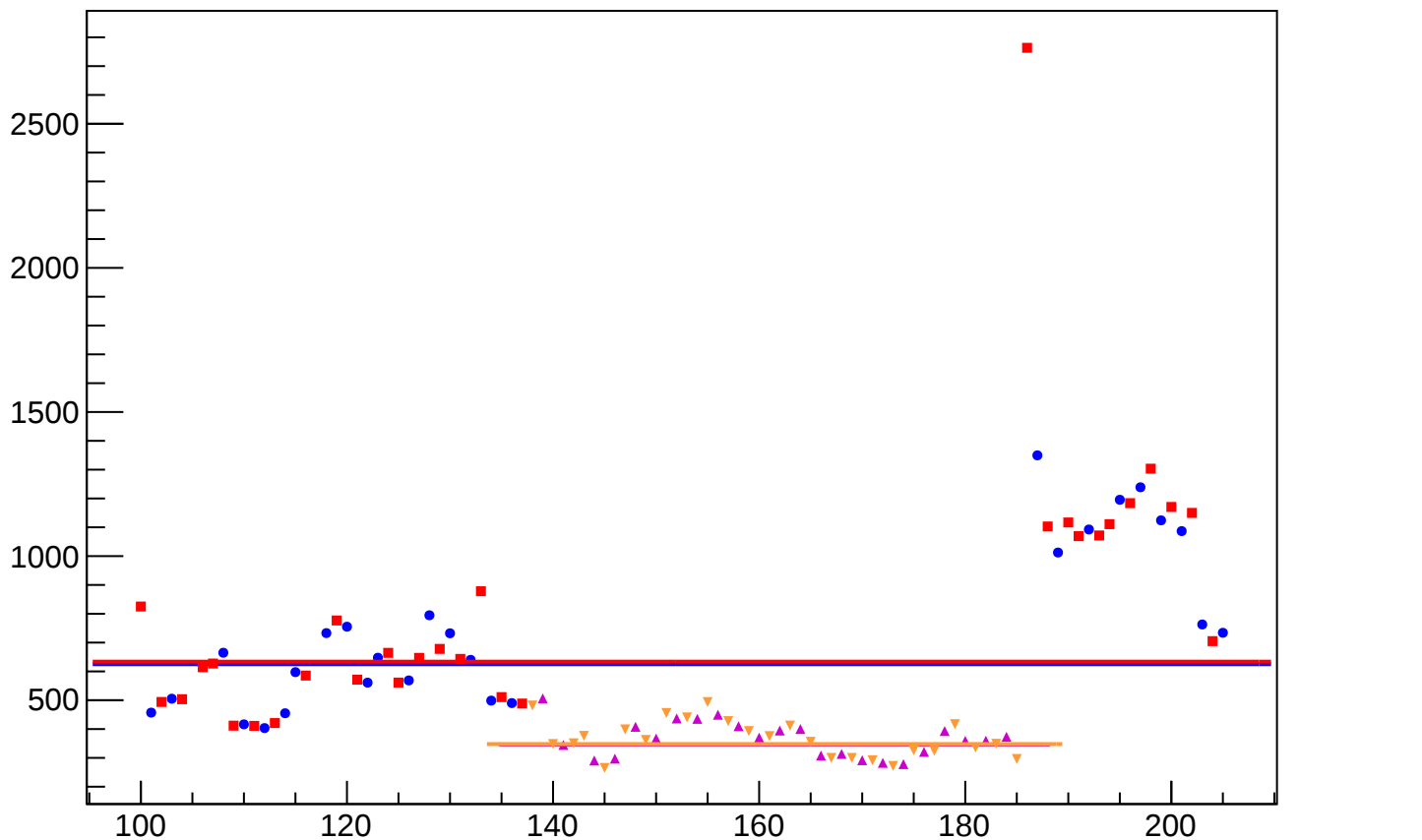
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -385.685 ± 75.279 χ^2/NDF : 93.8/50

All: -264.629 ± 53.606 χ^2/NDF : 145.4/103

- sign -140.093 ± 76.353 χ^2/NDF : 46.3/52

asym_sam_1357_avg_correction_rms vs Slug



Right In: 625.170 $\pm$ 0.131 χ^2 /NDF: 2982664.4/25

Left Out: 347.875 $\pm$ 0.058 χ^2 /NDF: 1044096.7/24

Right Out: 633.774 $\pm$ 0.129 χ^2 /NDF: 4003697.1/29

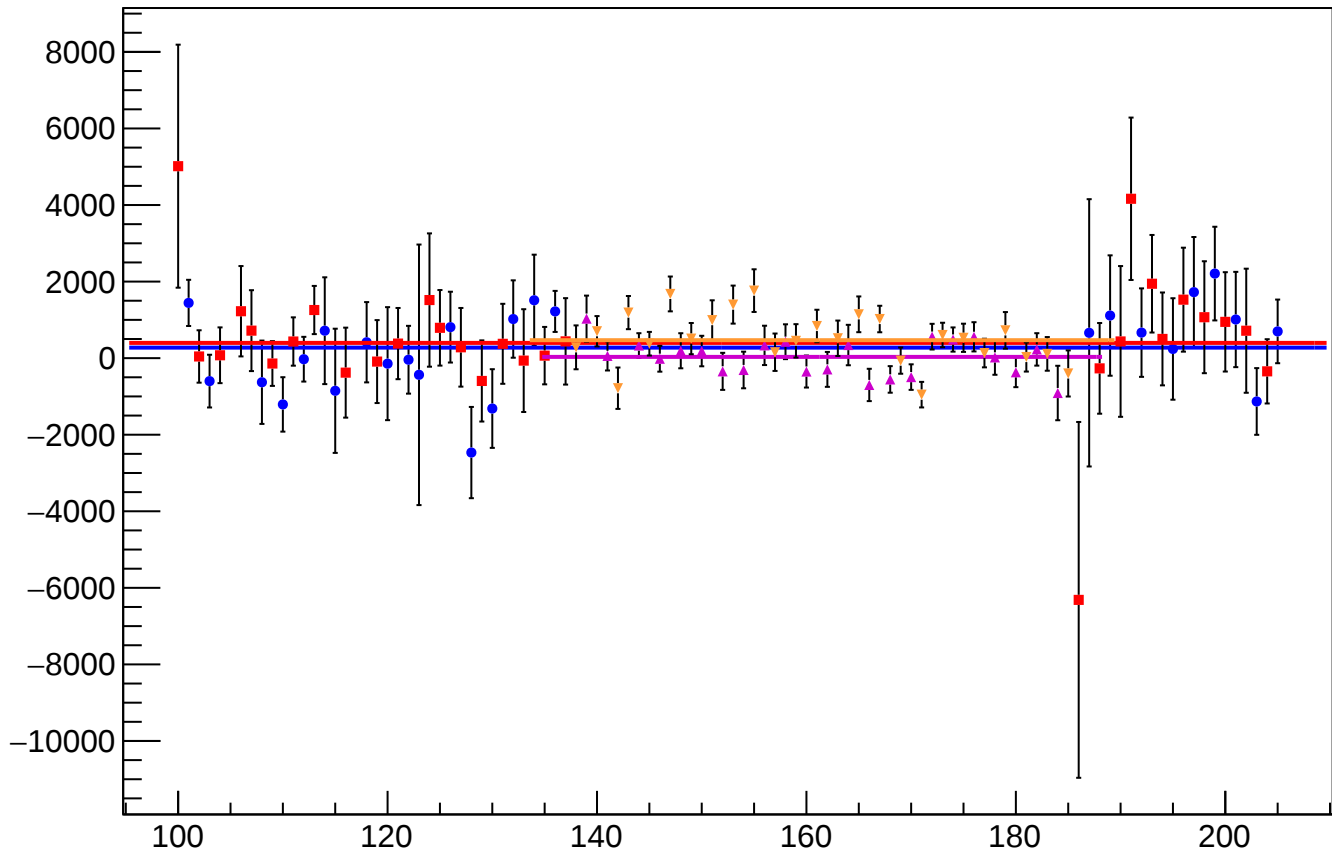
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF: 900847.0/22

+ sign 393.441 $\pm$ 0.053 χ^2 /NDF: 7753291.6/50

All: 394.890 $\pm$ 0.038 χ^2 /NDF: 16766130.2/10

- sign 396.380 $\pm$ 0.054 χ^2 /NDF: 9011335.9/52

asym_sam_1357_avg_mean vs Slug



Right In: 275.103 $\pm$ 187.046 χ^2 /NDF: 31.4/25

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 398.387 $\pm$ 183.830 χ^2 /NDF: 17.2/29

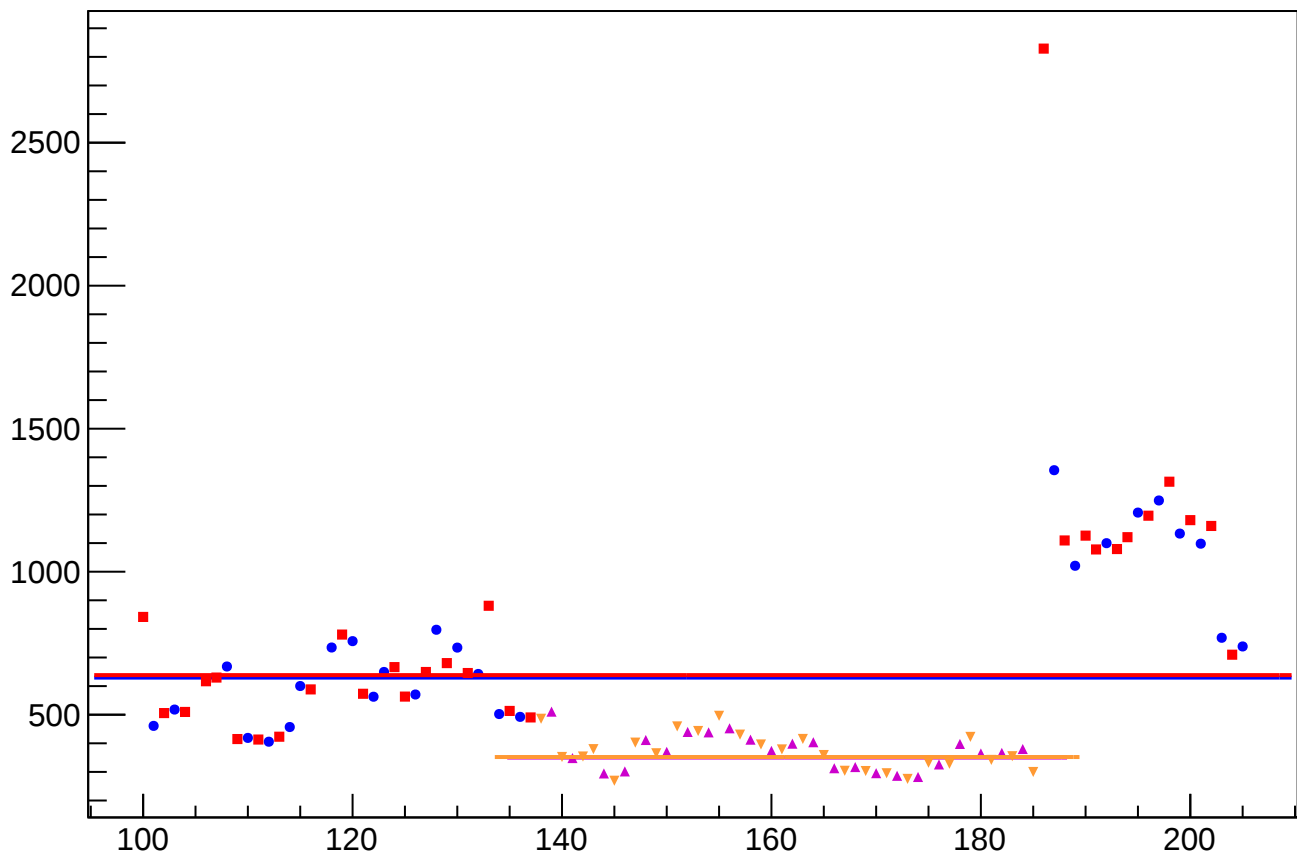
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 436.797 $\pm$ 76.092 χ^2 /NDF: 89.8/50

All: 269.489 $\pm$ 54.192 χ^2 /NDF: 145.8/103

- sign 97.275 $\pm$ 77.199 χ^2 /NDF: 46.2/52

asym_sam_1357_avg_rms vs Slug



Right In: 629.738+/-0.132 χ^2/NDF : 2979719.3/25

Left Out: 352.015+/-0.059 χ^2/NDF :1017195.6/24

Right Out: 638.408+/-0.130 χ^2/NDF : 4005874.4/29

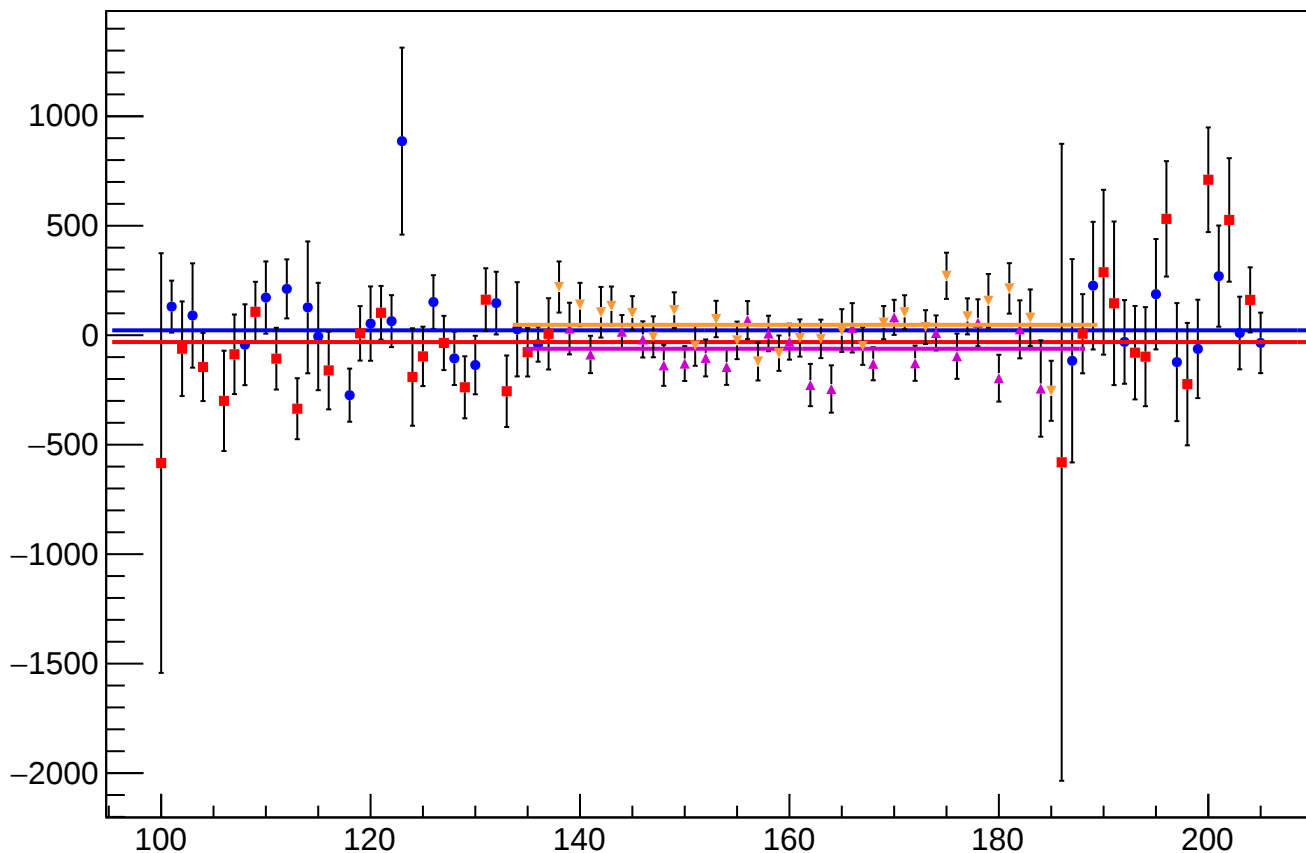
Left In: 350.160+/-0.060 χ^2/NDF :878380.0/22

+ sign 397.976+/-0.054 χ^2/NDF : 7676435.4/50

All: 399.464+/-0.038 χ^2/NDF : 16612358.1/10

- sign 400.995+/-0.055 χ^2/NDF : 8934371.1/52

reg_asym_sam_2468_avg_mean vs Slug



Right In: 22.328 $\pm$ 31.098 χ^2 /NDF: 22.0/25

Left Out: 47.426 $\pm$ 18.253 χ^2 /NDF: 29.4/24

Right Out: -31.164 $\pm$ 31.390 χ^2 /NDF: 38.6/29

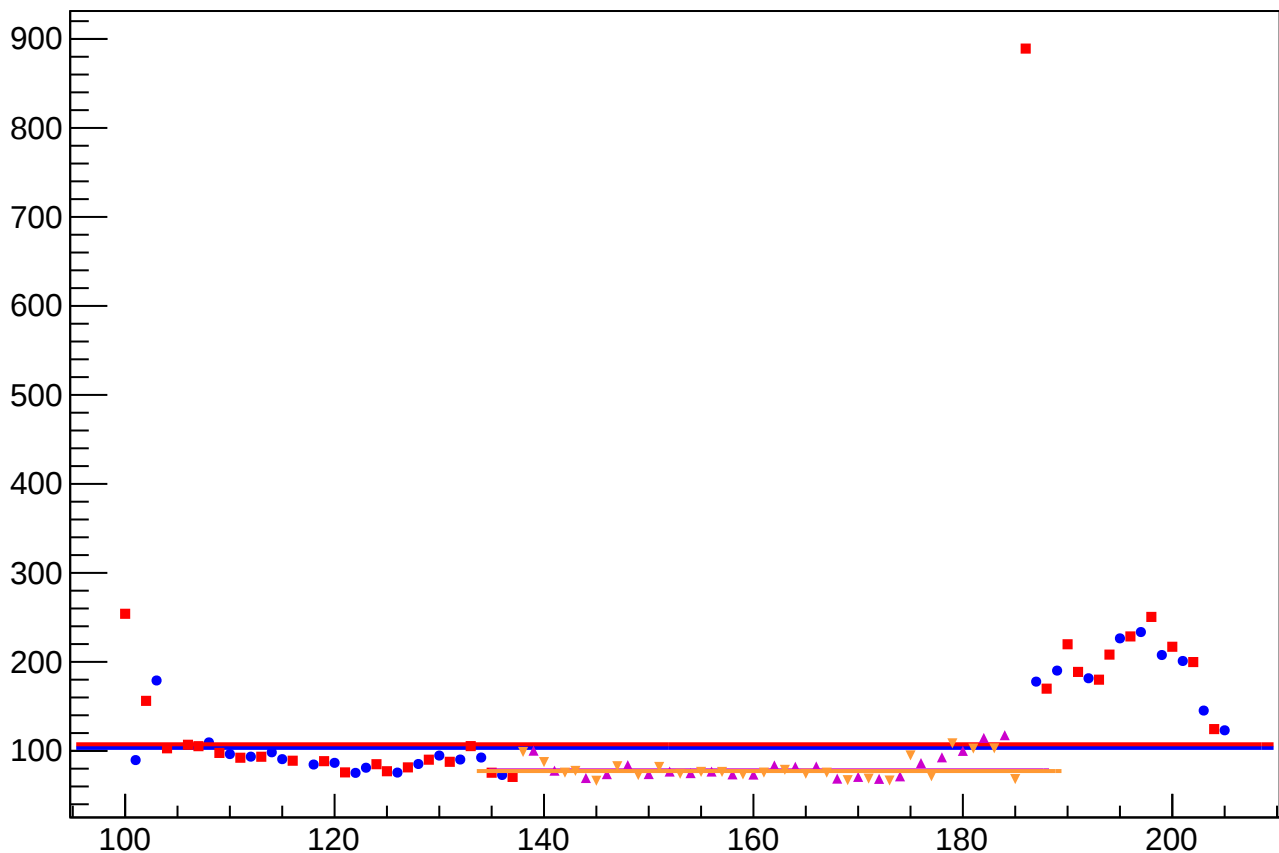
Left In: -61.830 $\pm$ 18.958 χ^2 /NDF: 24.0/22

+ sign 40.995 $\pm$ 15.742 χ^2 /NDF: 51.9/50

All: -4.881 $\pm$ 11.299 χ^2 /NDF: 132.7/103

- sign -53.634 $\pm$ 16.228 χ^2 /NDF: 63.2/52

reg_asym_sam_2468_avg_rms vs Slug



Right In: 103.375+/-0.022 χ^2/NDF : 3367461.6/25

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 107.408+/-0.022 χ^2/NDF : 4274422.3/29

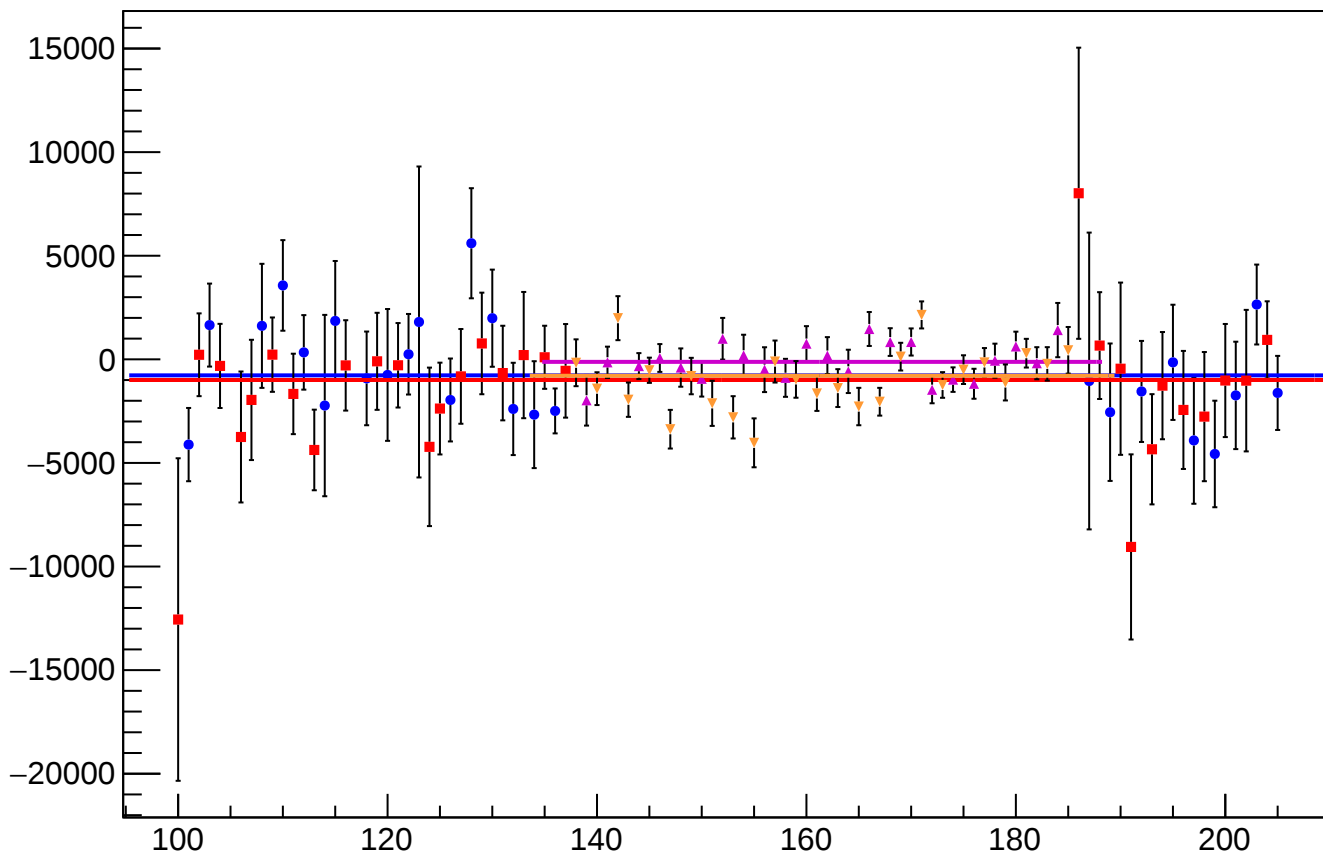
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 83.993+/-0.011 χ^2/NDF : 5047575.0/50

All: 84.947+/-0.008 χ^2/NDF : 11193436.7/103

- sign 85.961+/-0.011 χ^2/NDF : 6130704.8/52

asym_sam_2468_avg_correction_mean vs Slug



Right In: -773.250+/-441.917 χ^2/NDF : 29.6/25

Left Out: -792.776+/-162.659 χ^2/NDF : 66.6/24

Right Out: -997.335+/-444.434 χ^2/NDF : 18.5/29

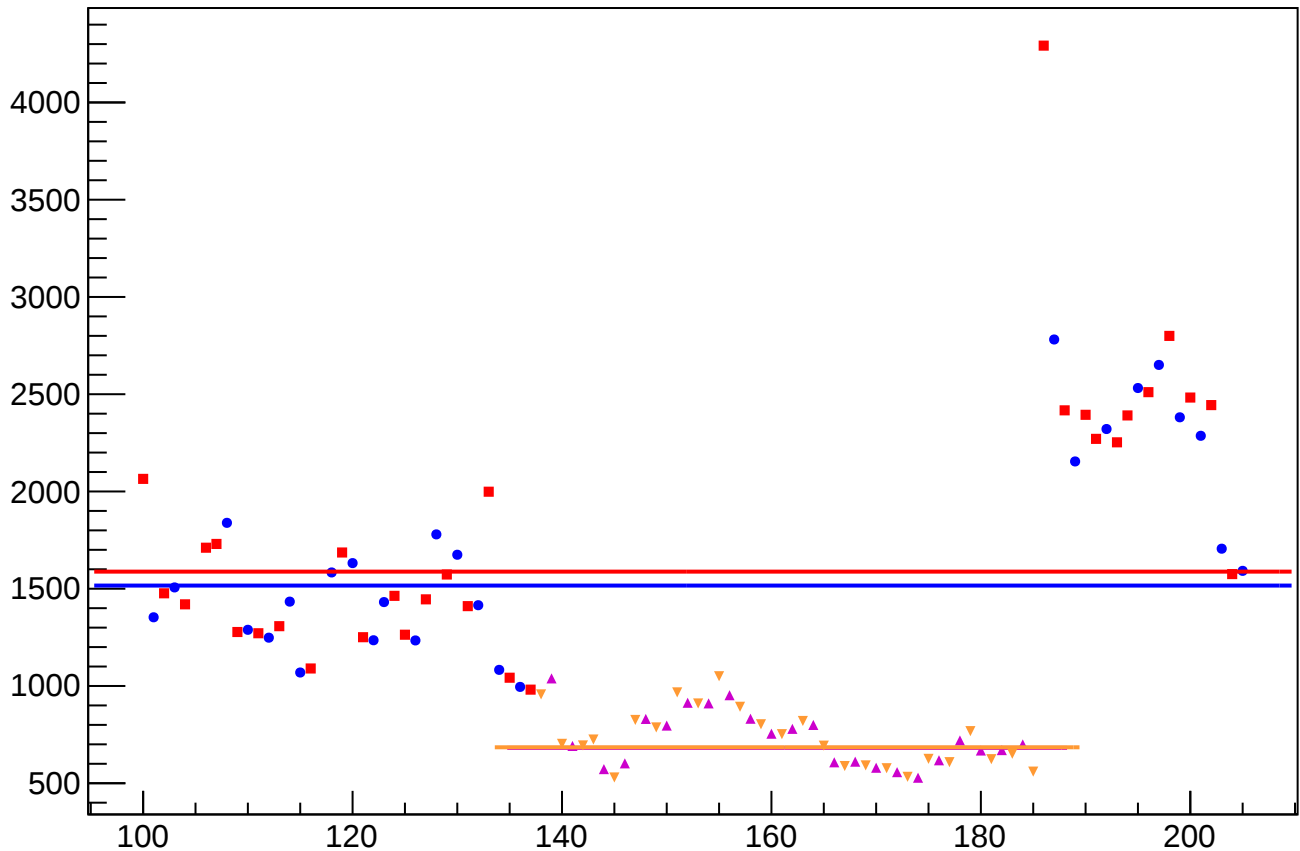
Left In: -122.198+/-166.193 χ^2/NDF : 25.9/22

+ sign -790.446+/-152.647 χ^2/NDF : 96.2/50

All: -515.494+/-108.989 χ^2/NDF : 150.6/103

- sign -229.559+/-155.666 χ^2/NDF : 47.8/52

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1516.231+/-0.312 χ^2/NDF : 2114603.5/25

Left Out: 684.785+/-0.115 χ^2/NDF : 1280146.2/24

+ sign 783.989+/-0.108 χ^2/NDF : 9629780.4/50

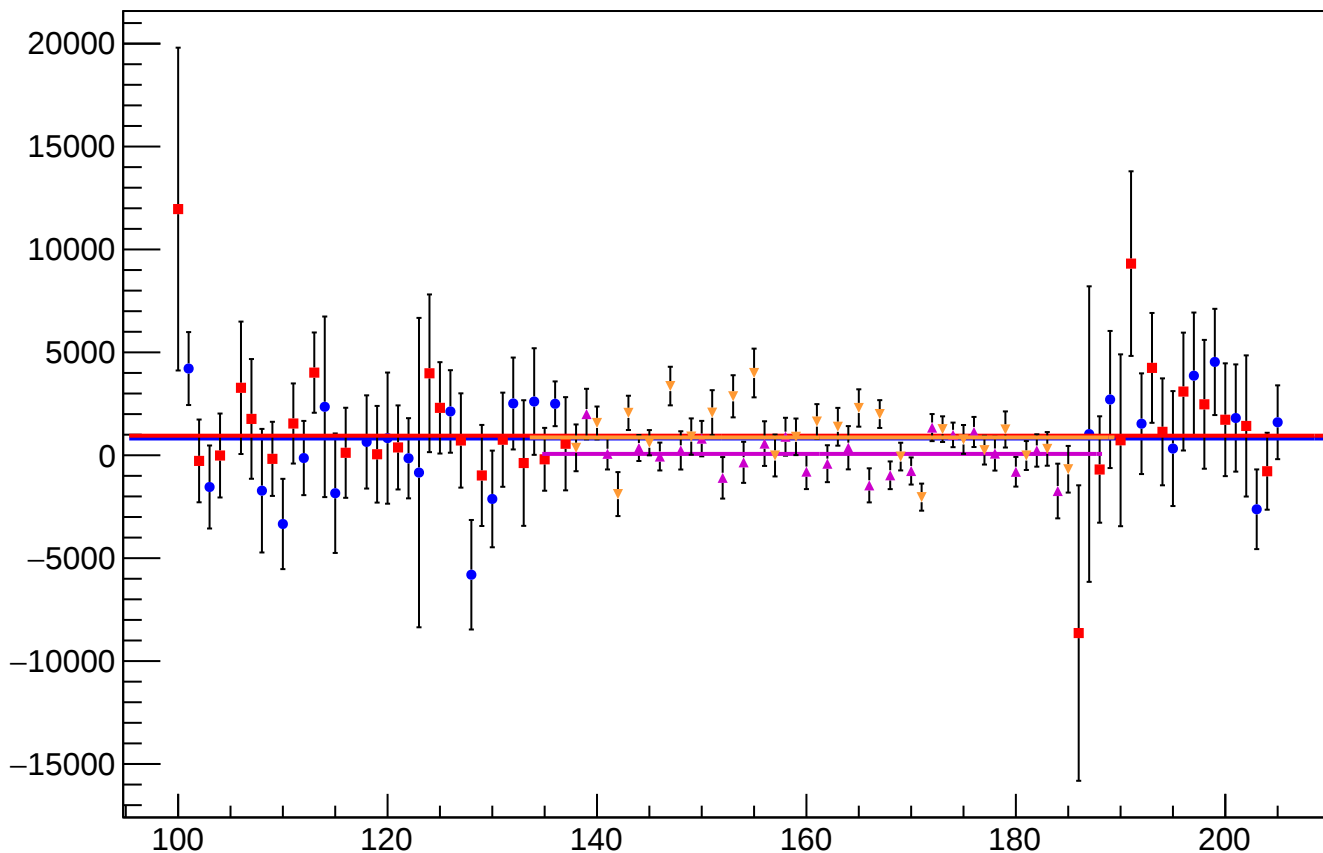
Right Out: 1587.924+/-0.314 χ^2/NDF : 2650238.6/29

All: 788.350+/-0.077 χ^2/NDF : 20698130.1/10

Left In: 681.712+/-0.118 χ^2/NDF : 1119637.0/22

- sign 792.886+/-0.110 χ^2/NDF : 11065019.3/52

asym_sam_2468_avg_mean vs Slug



Right In: 814.912 $\pm$ 443.293 χ^2 /NDF: 29.5/25

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF:62.8/24

Right Out: 951.397 $\pm$ 445.989 χ^2 /NDF: 17.9/29

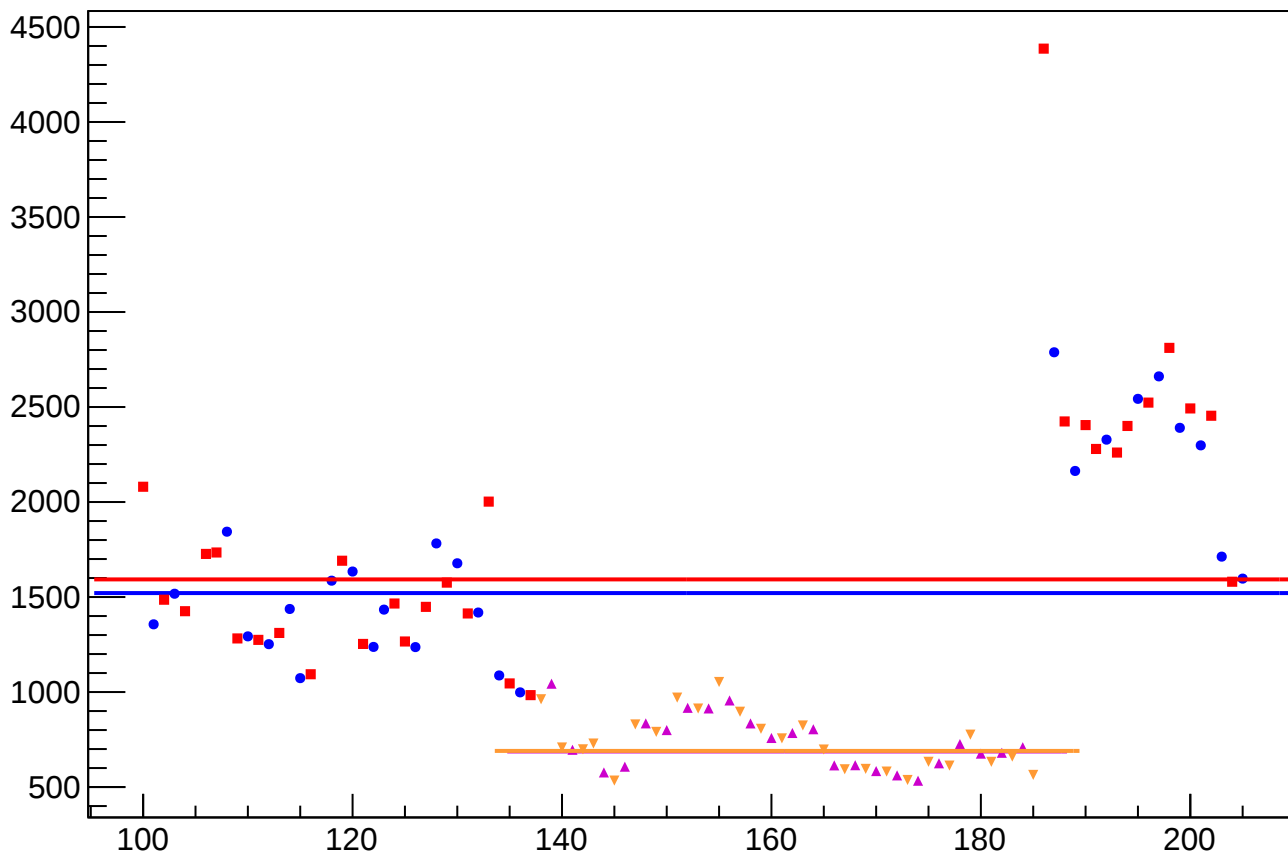
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF:26.4/22

+ sign 859.502 $\pm$ 153.717 χ^2 /NDF: 92.4/50

All: 524.211 $\pm$ 109.766 χ^2 /NDF: 149.8/103

- sign 175.366 $\pm$ 156.793 χ^2 /NDF: 47.7/52

asym_sam_2468_avg_rms vs Slug



Right In: 1520.824 $\pm$ 0.313 χ^2 /NDF: 2119046.4/25

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF: 1258158.2/24

Right Out: 1592.786 $\pm$ 0.315 χ^2 /NDF: 2662912.1/29

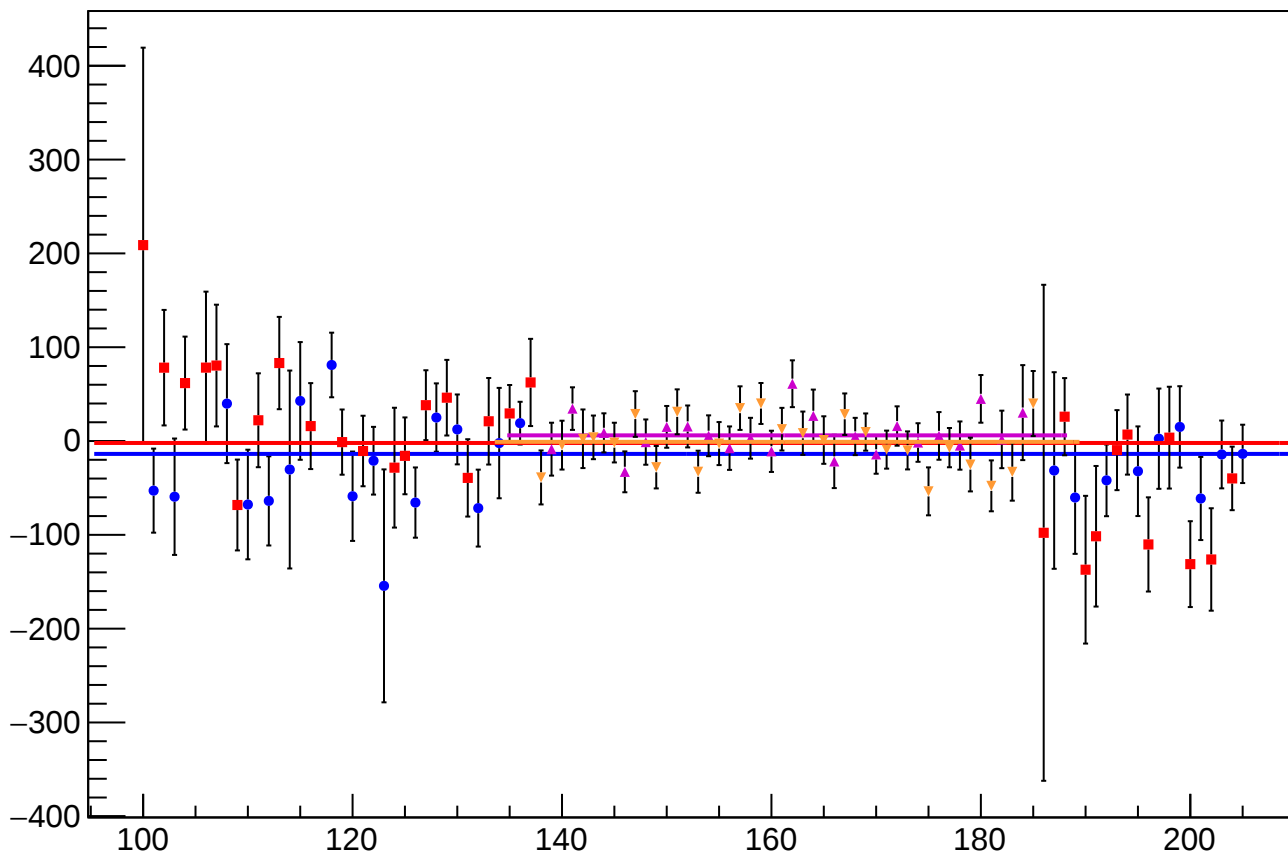
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF: 1099706.1/22

+ sign 790.047 $\pm$ 0.109 χ^2 /NDF: 9555304.3/50

All: 794.504 $\pm$ 0.078 χ^2 /NDF: 20547886.2/10

- sign 799.142 $\pm$ 0.111 χ^2 /NDF: 10989151.2/52

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -13.732 ± 8.486 χ^2/NDF : 25.3/25

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -2.072 ± 8.579 χ^2/NDF : 43.6/29

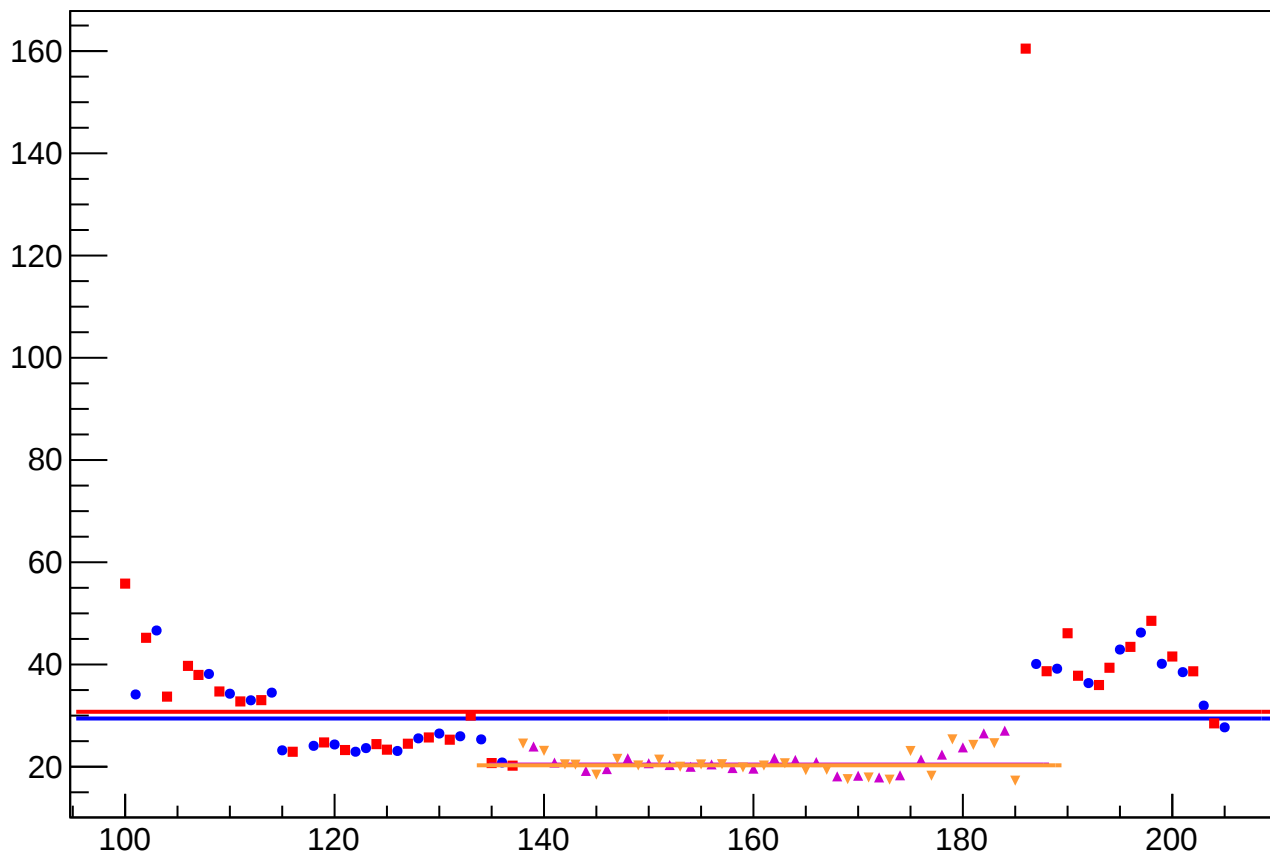
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.942 ± 4.152 χ^2/NDF : 54.9/50

All: -0.069 ± 2.977 χ^2/NDF : 118.0/103

- sign 4.030 ± 4.271 χ^2/NDF : 61.2/52

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.432+/-0.006 χ^2/NDF : 1524076.0/25

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 30.750+/-0.006 χ^2/NDF : 2210672.2/29

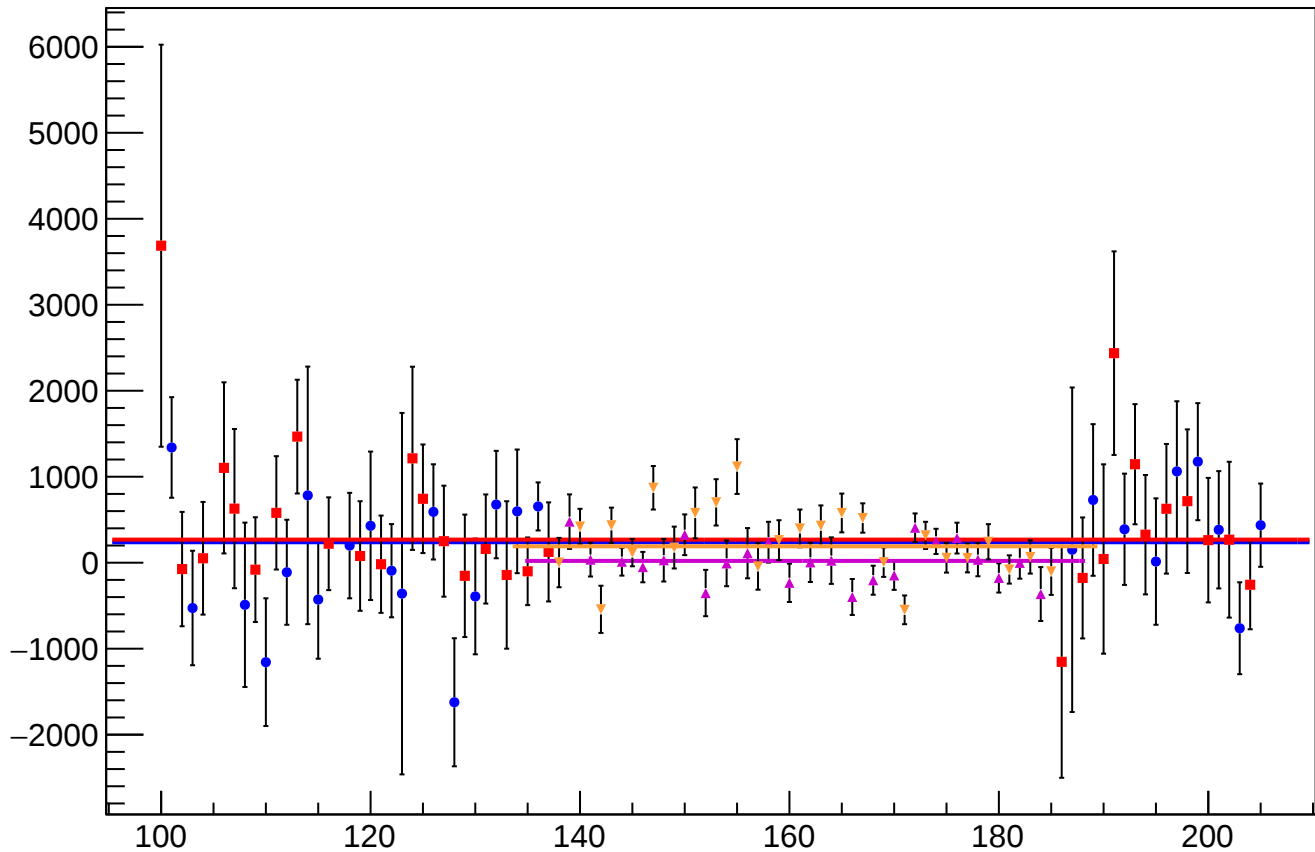
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 22.470+/-0.003 χ^2/NDF : 3700689.6/50

All: 22.719+/-0.002 χ^2/NDF : 8429125.5/103

- sign 22.984+/-0.003 χ^2/NDF : 4713554.0/52

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 237.892 ± 124.111 χ^2/NDF : 28.5/25

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 268.548 ± 126.379 χ^2/NDF : 18.5/29

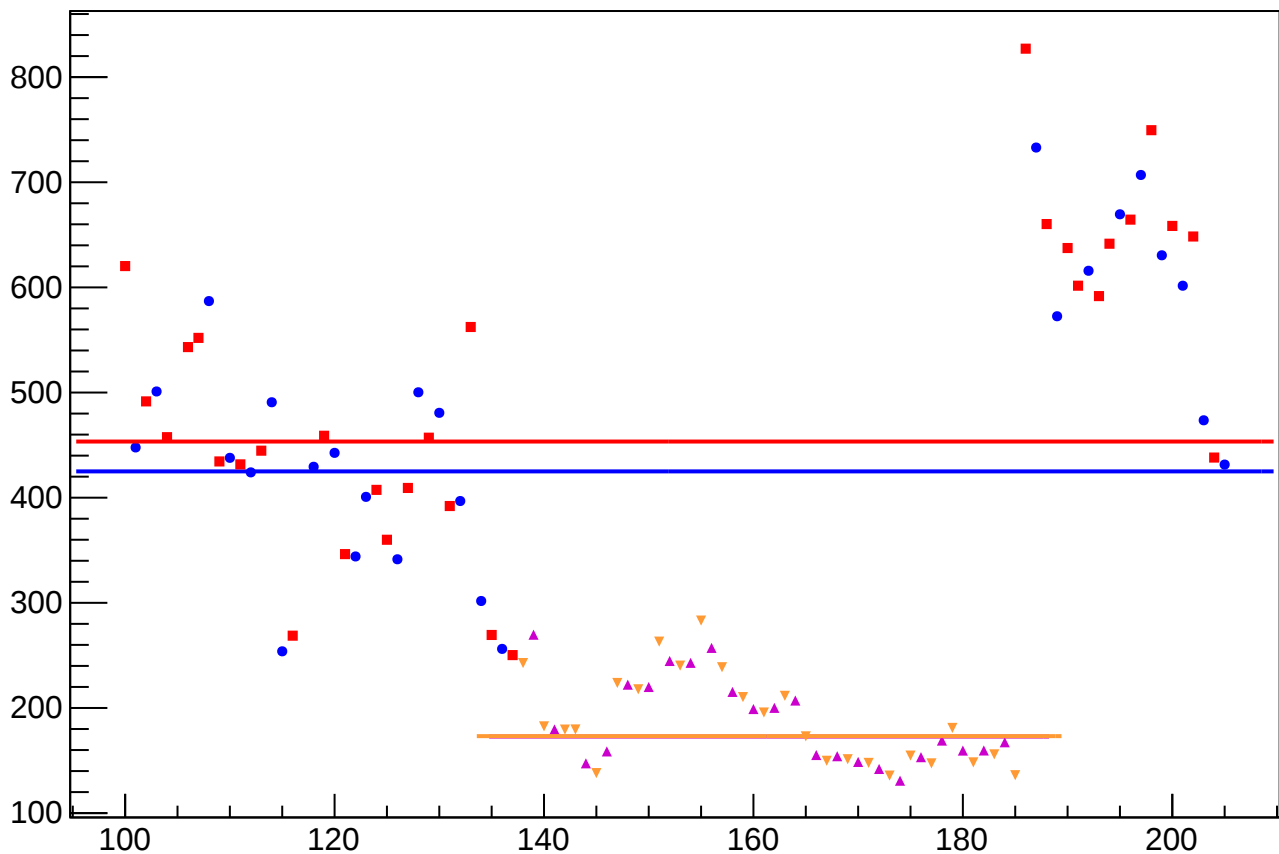
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 195.558 ± 39.199 χ^2/NDF : 96.5/50

All: 122.451 ± 28.033 χ^2/NDF : 153.3/103

- sign 45.927 ± 40.105 χ^2/NDF : 49.7/52

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 425.012+/-0.088 χ^2/NDF : 2209810.2/25

Left Out: 173.210+/-0.029 χ^2/NDF : 1561250.6/24

Right Out: 453.399+/-0.089 χ^2/NDF : 2462115.2/29

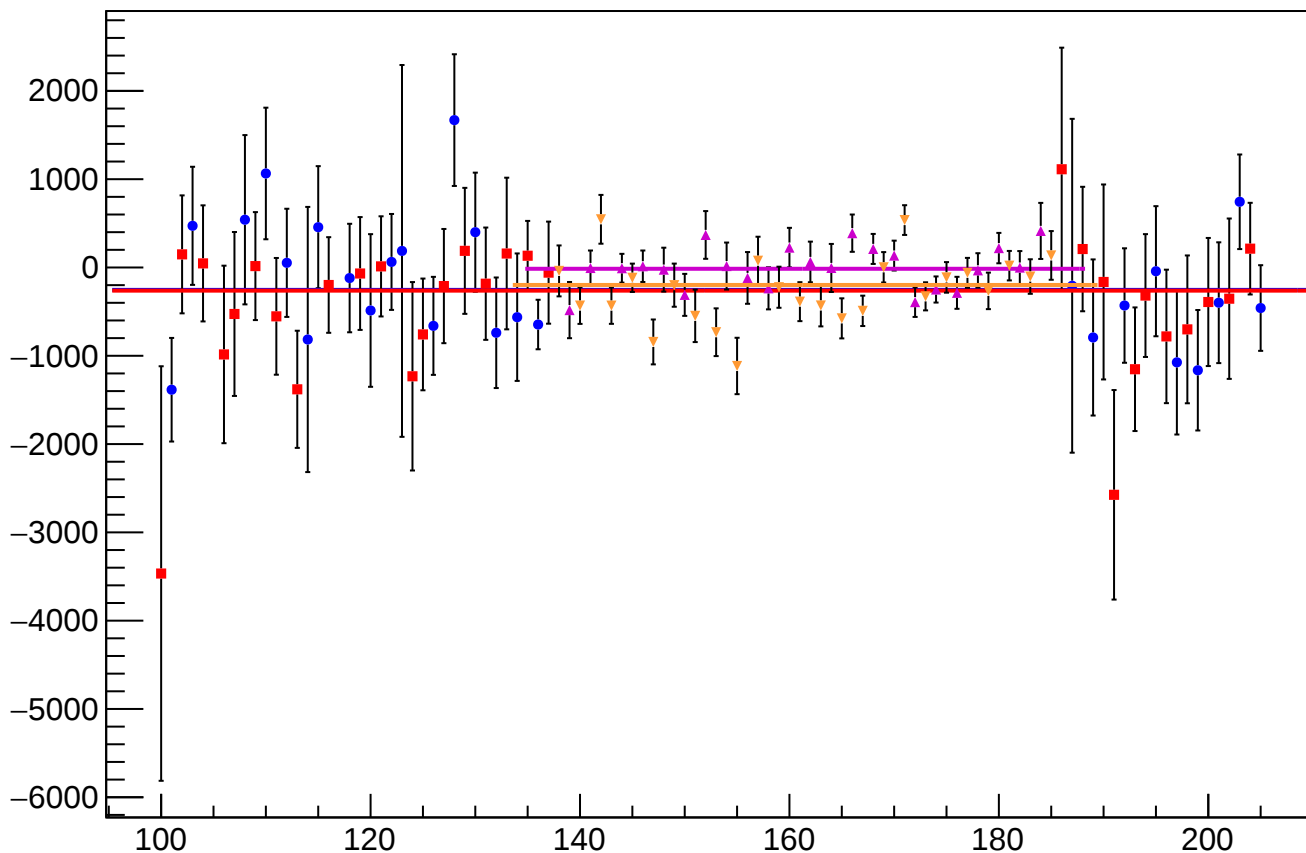
Left In: 172.828+/-0.030 χ^2/NDF : 1372131.7/22

+ sign 198.328+/-0.028 χ^2/NDF : 11182257.6/50

All: 199.674+/-0.020 χ^2/NDF : 23886139.3/10

- sign 201.082+/-0.028 χ^2/NDF : 12699058.9/52

asym_sam_1357_2468_dd_mean vs Slug



Right In: -253.749 ± 124.449 χ^2/NDF : 28.5/25

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -262.073 ± 126.749 χ^2/NDF : 18.4/29

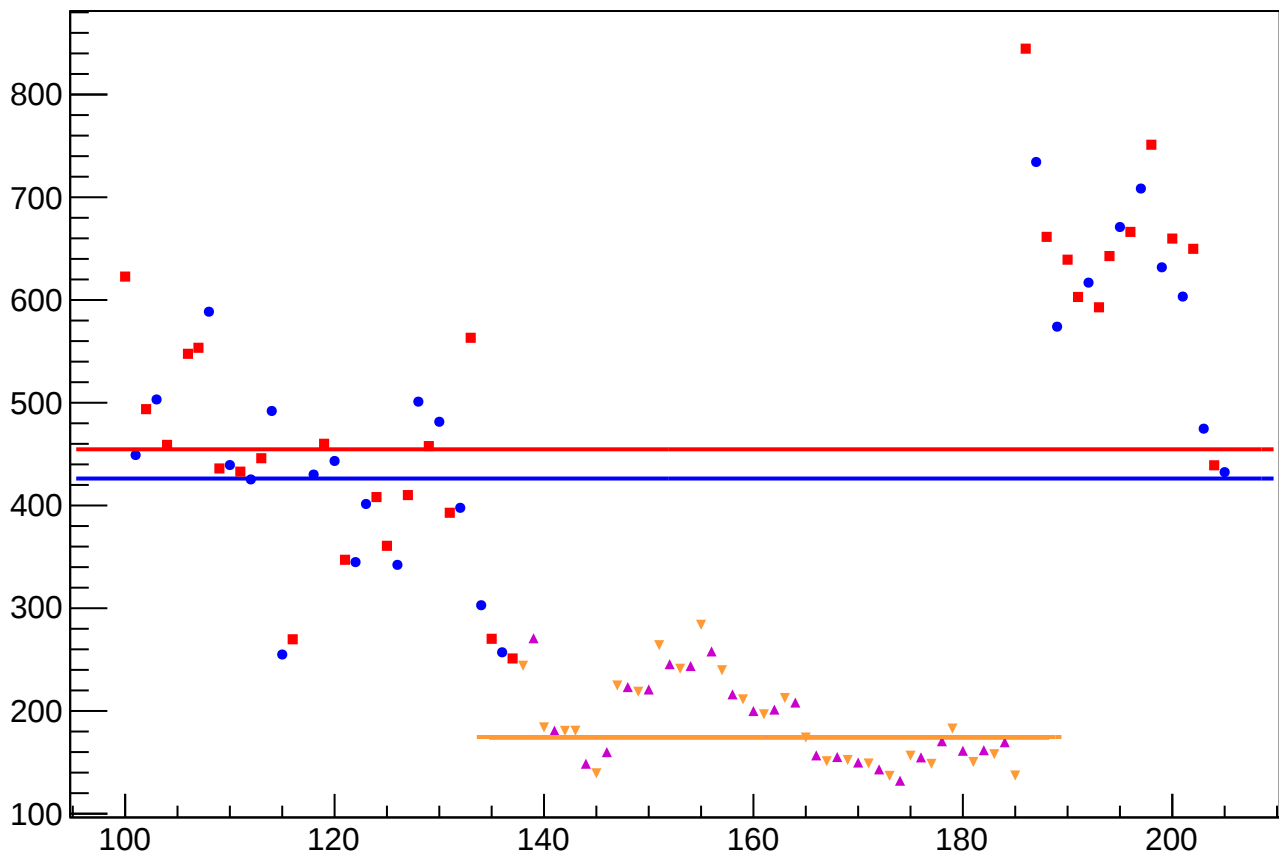
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -203.538 ± 39.487 χ^2/NDF : 93.0/50

All: -123.534 ± 28.240 χ^2/NDF : 150.9/103

- sign -39.763 ± 40.405 χ^2/NDF : 49.5/52

asym_sam_1357_2468_dd_rms vs Slug



Right In: 426.233+/-0.088 χ^2/NDF : 2203683.8/25

Left Out: 174.648+/-0.029 χ^2/NDF :1531999.5/24

Right Out: 454.679+/-0.090 χ^2/NDF : 2465271.5/29

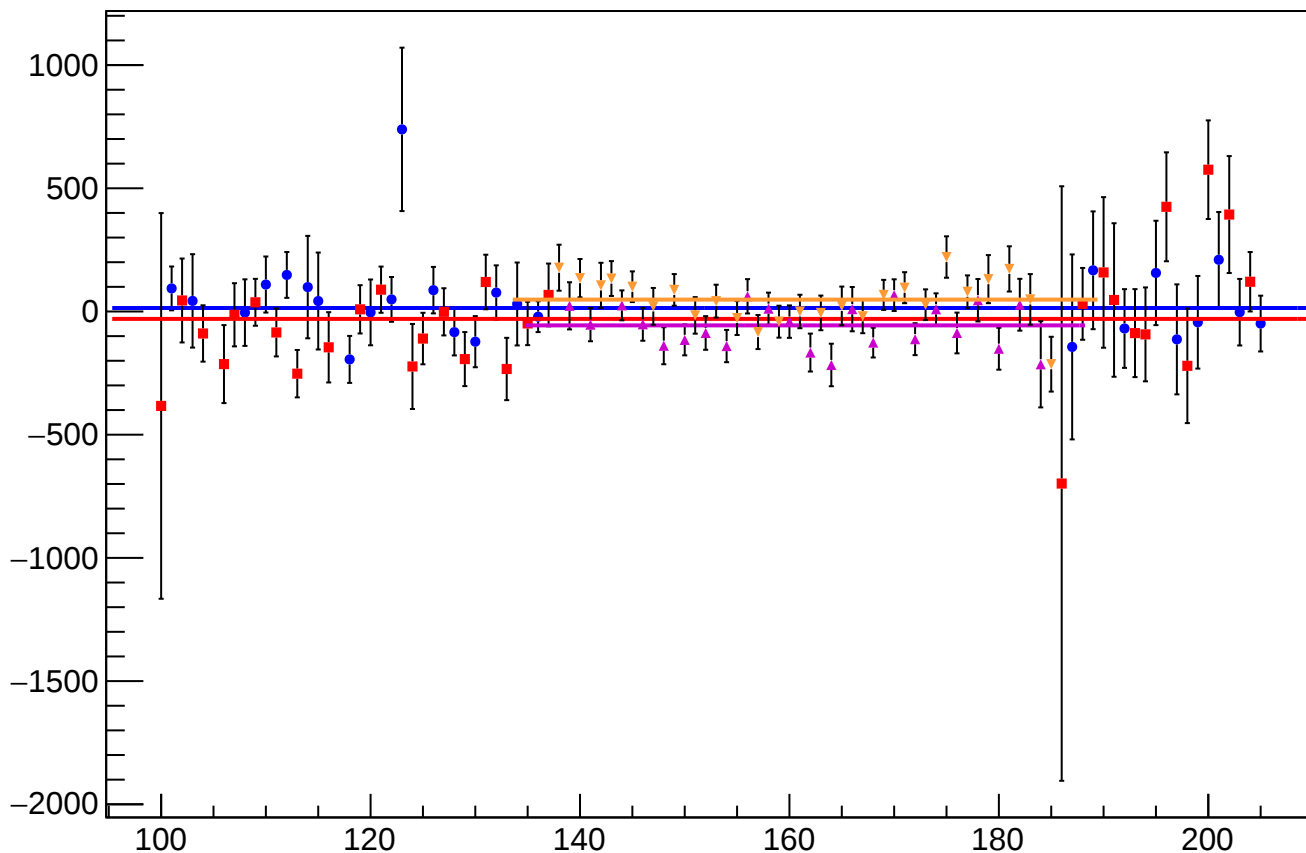
Left In: 174.288+/-0.030 χ^2/NDF :1344779.5/22

+ sign 199.976+/-0.028 χ^2/NDF : 11086426.1/50

All: 201.347+/-0.020 χ^2/NDF : 23694280.0/10

- sign 202.782+/-0.029 χ^2/NDF : 12602918.5/52

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.200 $\pm$ 24.033 χ^2 /NDF: 20.7/25

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF: 29.3/24

Right Out: -30.064 $\pm$ 24.005 χ^2 /NDF: 39.7/29

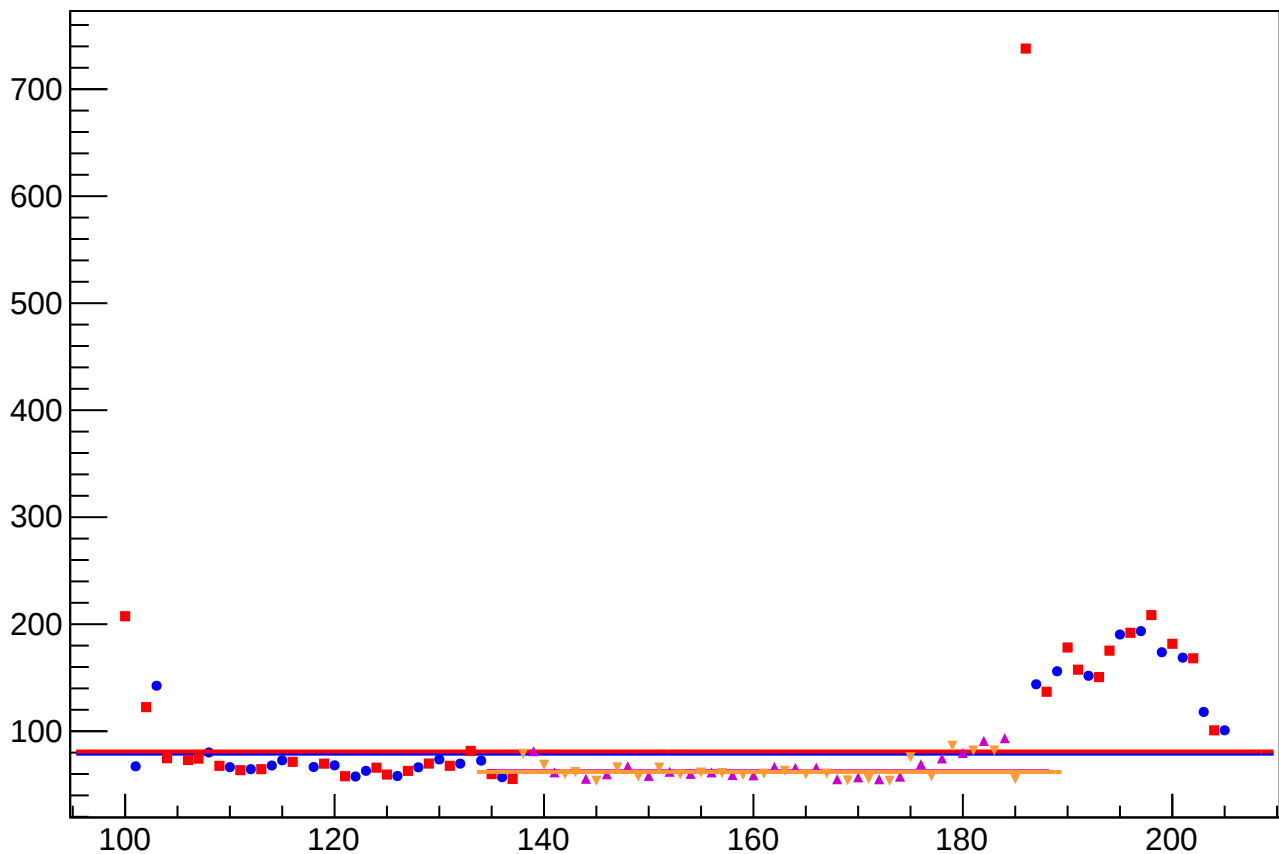
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF: 27.5/22

+ sign 39.045 $\pm$ 12.488 χ^2 /NDF: 51.4/50

All: -3.724 $\pm$ 8.949 χ^2 /NDF: 143.6/103

- sign -48.878 $\pm$ 12.831 χ^2 /NDF: 68.0/52

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 79.022 $\pm$ 0.017 χ^2 /NDF: 3848171.7/25

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 81.037 $\pm$ 0.017 χ^2 /NDF: 4863466.7/29

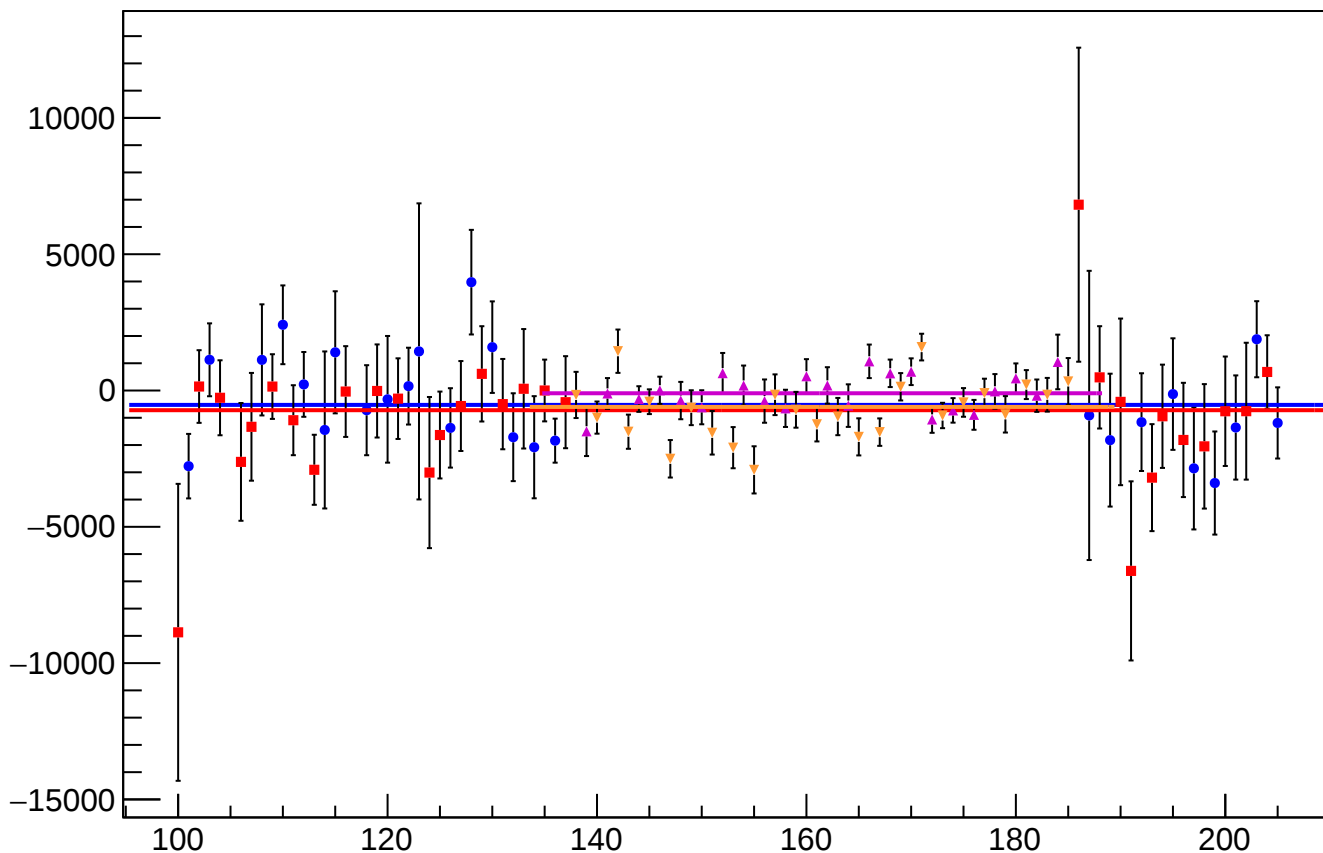
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 66.557 $\pm$ 0.009 χ^2 /NDF: 5190158.0/50

All: 67.197 $\pm$ 0.006 χ^2 /NDF: 11482041.0/103

- sign 67.873 $\pm$ 0.009 χ^2 /NDF: 6281072.5/52

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -527.333+/-315.929 χ^2/NDF : 30.1/25

Left Out: -601.486+/-122.119 χ^2/NDF : 65.4/24

Right Out: -722.190+/-315.725 χ^2/NDF : 18.4/29

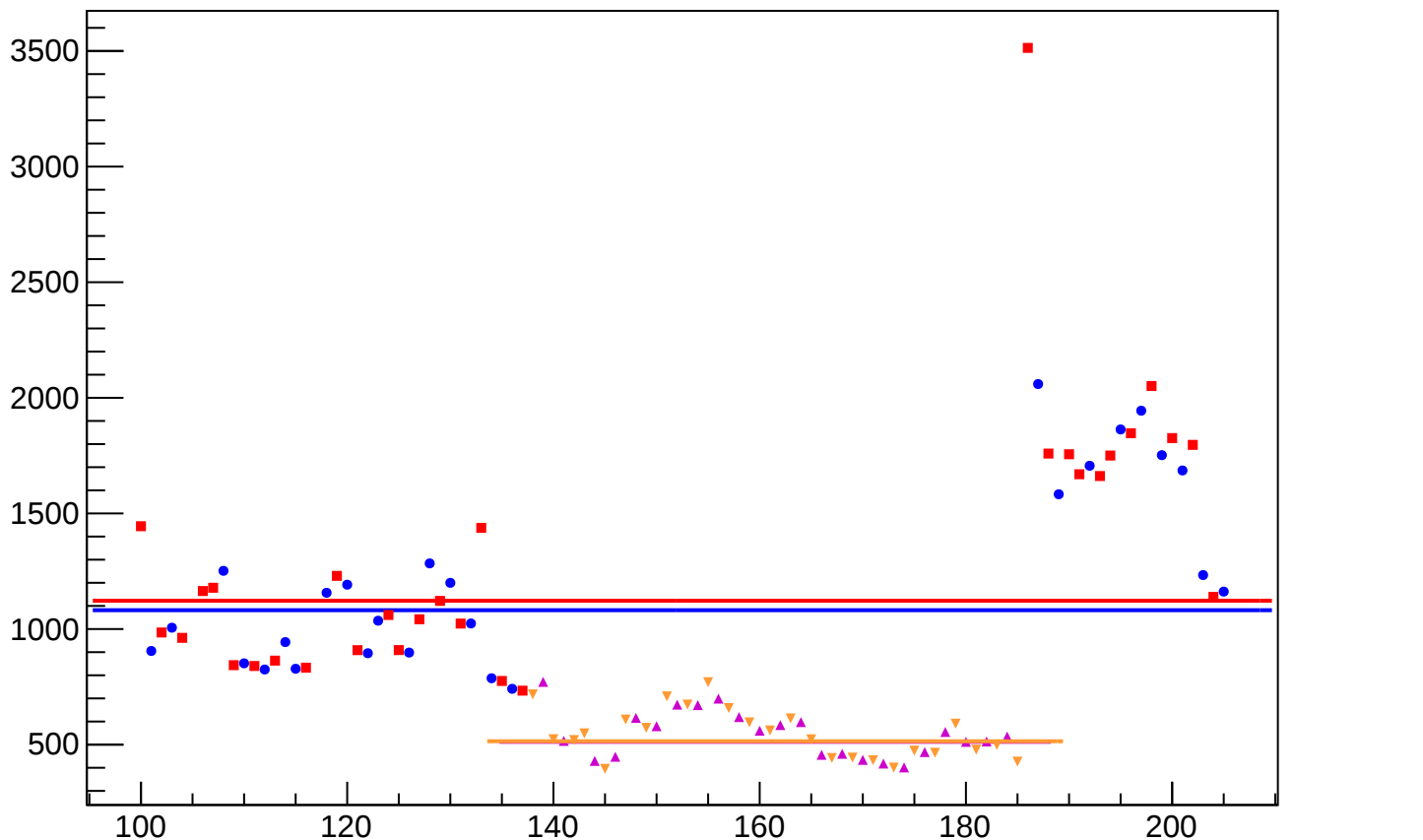
Left In: -100.548+/-124.725 χ^2/NDF : 25.5/22

+ sign -591.847+/-113.905 χ^2/NDF : 95.5/50

All: -391.869+/-81.274 χ^2/NDF : 149.0/103

- sign -184.465+/-116.001 χ^2/NDF : 47.2/52

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1081.498 $\pm$ 0.223 χ^2 /NDF: 2219096.7/25

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF:1194945.9/24

Right Out: 1122.587 $\pm$ 0.223 χ^2 /NDF: 2887182.6/29

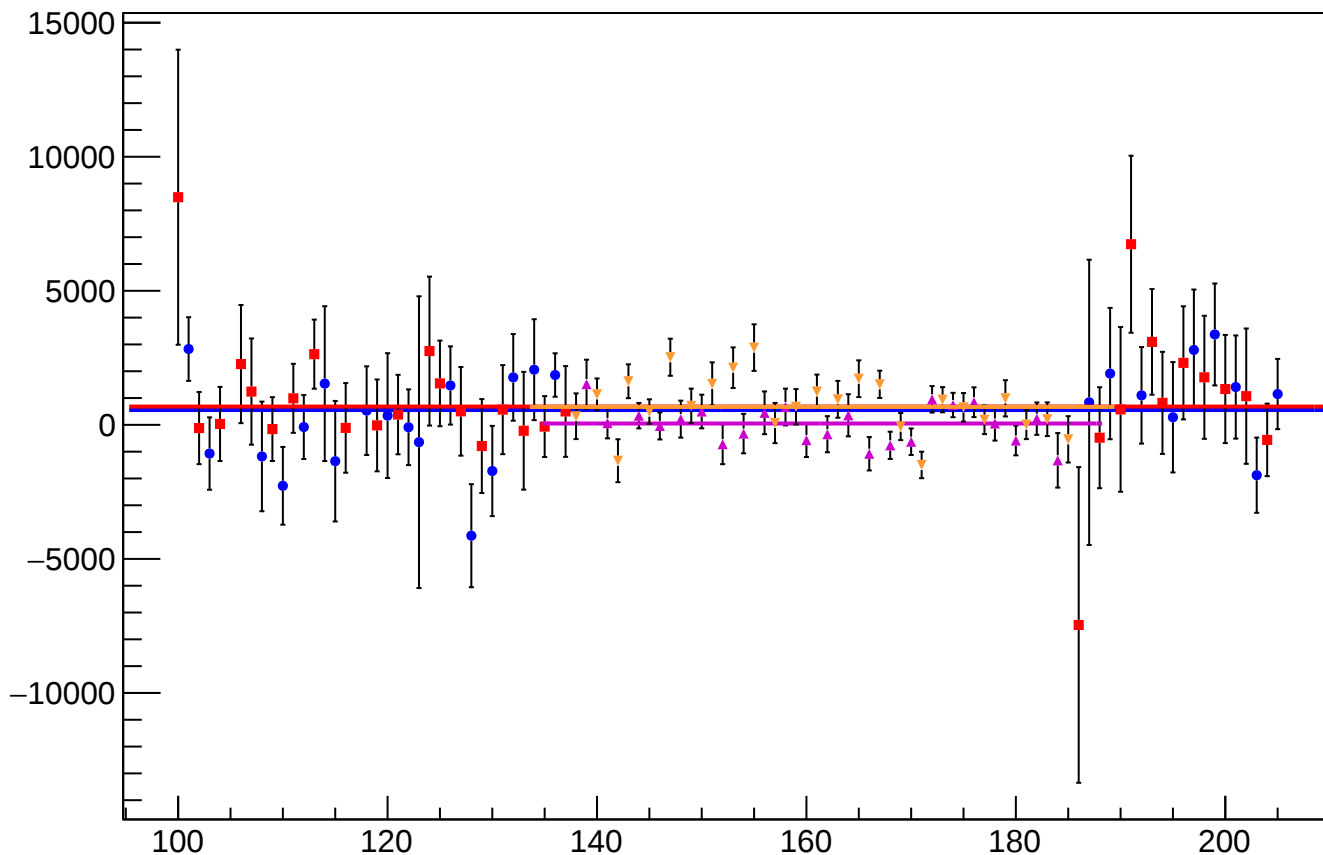
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF:1041302.8/22

+ sign 588.428 $\pm$ 0.081 χ^2 /NDF: 9013469.9/50

All: 591.456 $\pm$ 0.057 χ^2 /NDF: 19410964.7/10

- sign 594.597 $\pm$ 0.082 χ^2 /NDF: 10394615.5/52

asym_sam_12345678_avg_mean vs Slug



Right In: 552.540+/-317.125 χ^2/NDF : 30.0/25

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 682.356+/-317.060 χ^2/NDF : 17.6/29

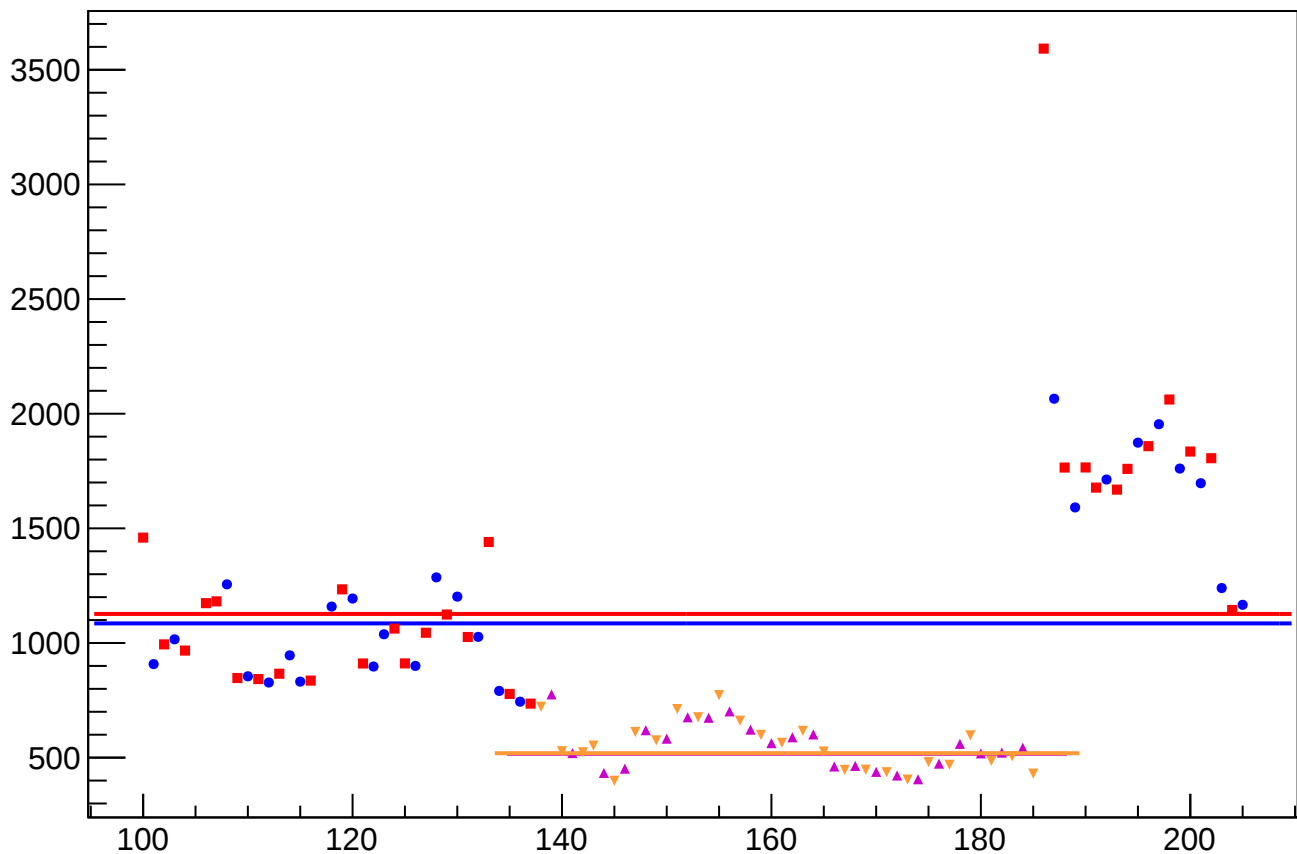
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 652.545+/-114.794 χ^2/NDF : 91.6/50

All: 399.087+/-81.919 χ^2/NDF : 148.7/103

- sign 136.083+/-116.936 χ^2/NDF : 47.1/52

asym_sam_12345678_avg_rms vs Slug



Right In: 1085.437 $\pm$ 0.224 χ^2 /NDF: 2226258.1/25

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF:1172411.1/24

Right Out: 1126.720 $\pm$ 0.224 χ^2 /NDF: 2901807.8/29

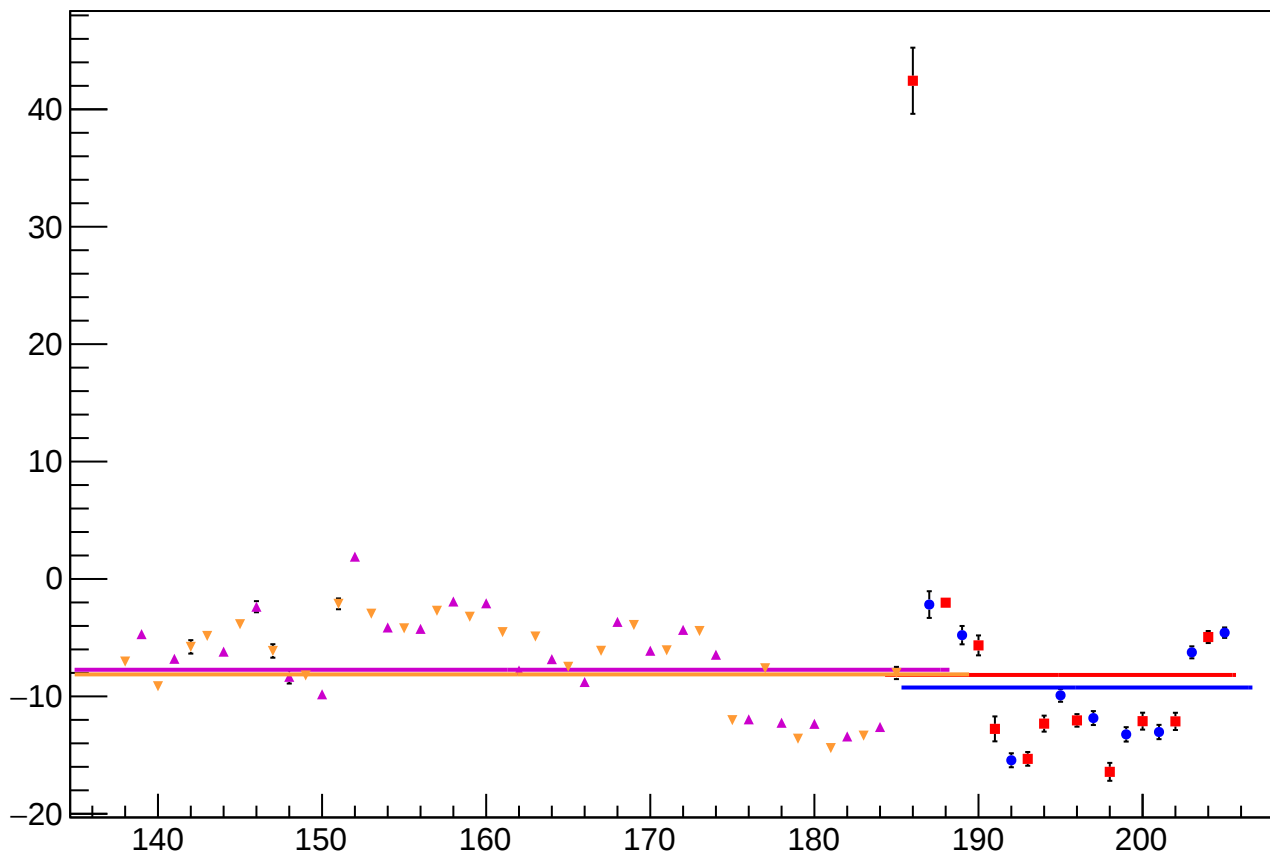
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF:1021374.1/22

+ sign 593.442 $\pm$ 0.081 χ^2 /NDF: 8938366.5/50

All: 596.541 $\pm$ 0.058 χ^2 /NDF: 19259019.8/10

- sign 599.757 $\pm$ 0.083 χ^2 /NDF: 10317683.9/52

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -9.244 ± 0.198 $\chi^2/\text{NDF}: 425.0/8$

Left Out: -8.127 ± 0.067 $\chi^2/\text{NDF}: 3635.5/24$

Right Out: -8.174 ± 0.185 $\chi^2/\text{NDF}: 1140.4/10$

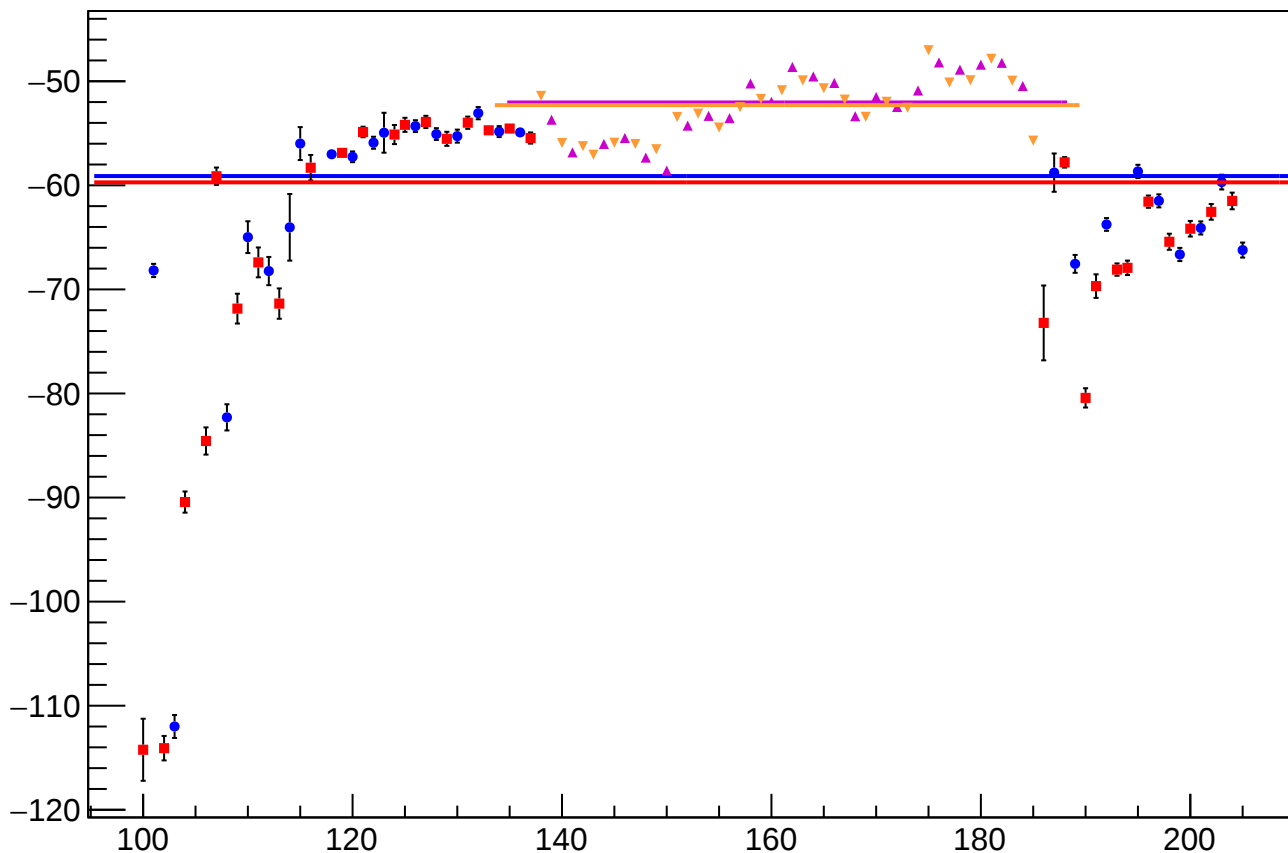
Left In: -7.732 ± 0.069 $\chi^2/\text{NDF}: 3719.0/22$

+ sign -8.244 ± 0.064 $\chi^2/\text{NDF}: 4089.1/33$

All: -8.017 ± 0.045 $\chi^2/\text{NDF}: 8979.0/67$

- sign -7.786 ± 0.065 $\chi^2/\text{NDF}: 4864.4/33$

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.110 ± 0.122 χ^2/NDF : 4044.5/25

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -59.713 ± 0.120 χ^2/NDF : 5957.5/29

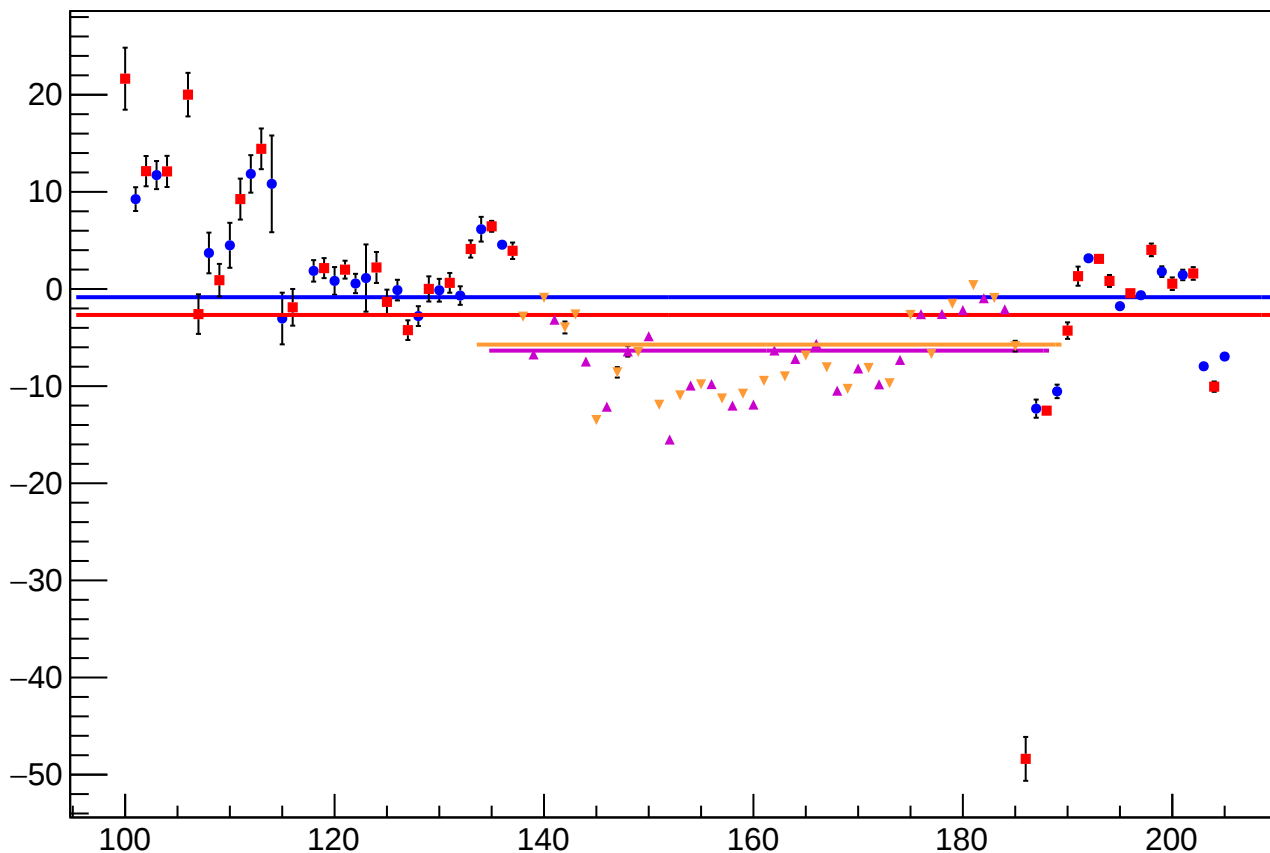
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.447 ± 0.050 χ^2/NDF : 9287.7/50

All: -53.451 ± 0.036 χ^2/NDF : 21754.2/103

- sign -53.455 ± 0.052 χ^2/NDF : 12466.4/52

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -0.843 ± 0.148 χ^2/NDF : 1242.2/25

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.672 ± 0.139 χ^2/NDF : 3183.3/29

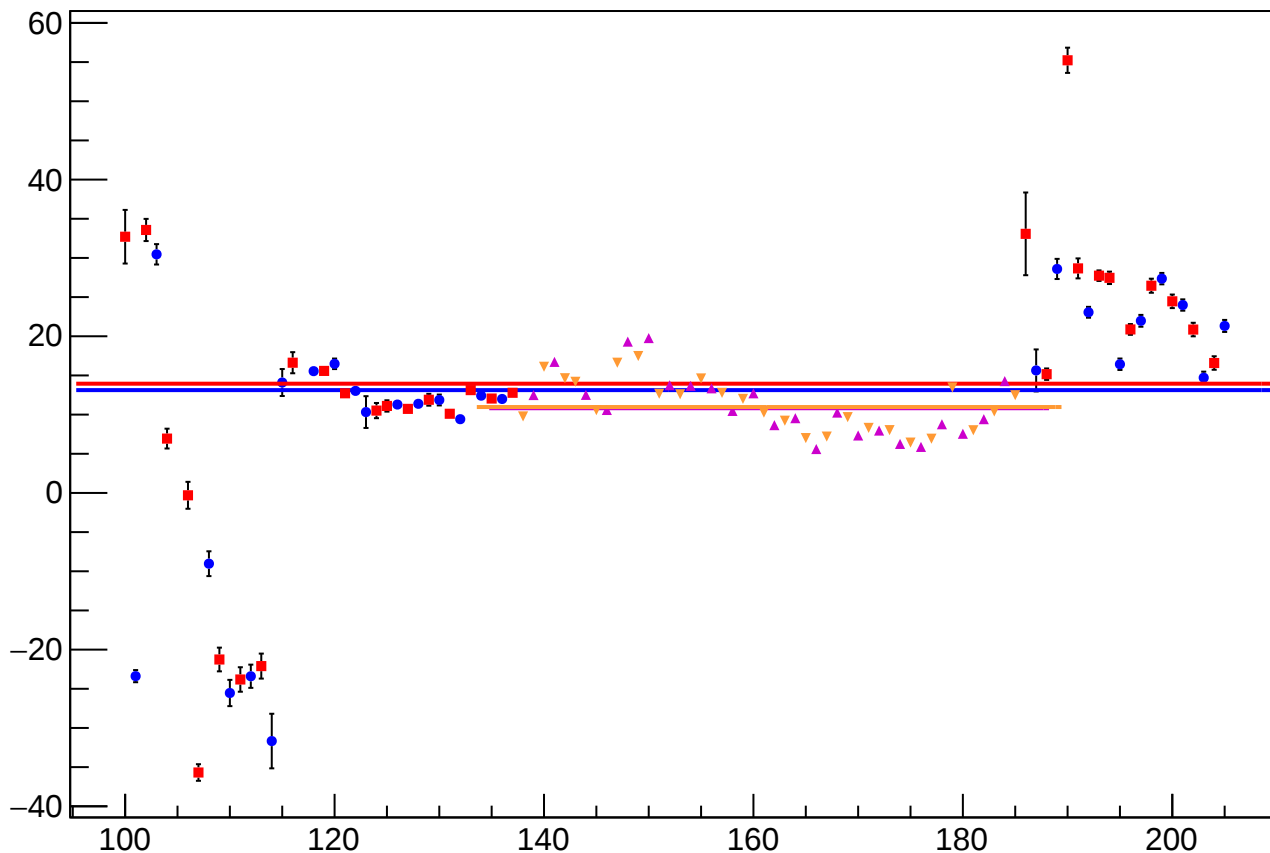
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.883 ± 0.061 χ^2/NDF : 6121.1/50

All: -5.252 ± 0.043 χ^2/NDF : 13323.5/103

- sign -5.621 ± 0.062 χ^2/NDF : 7130.4/52

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.126 ± 0.137 $\chi^2/\text{NDF}: 5253.6/25$

Left Out: 10.967 ± 0.061 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 13.947 ± 0.137 $\chi^2/\text{NDF}: 6346.0/29$

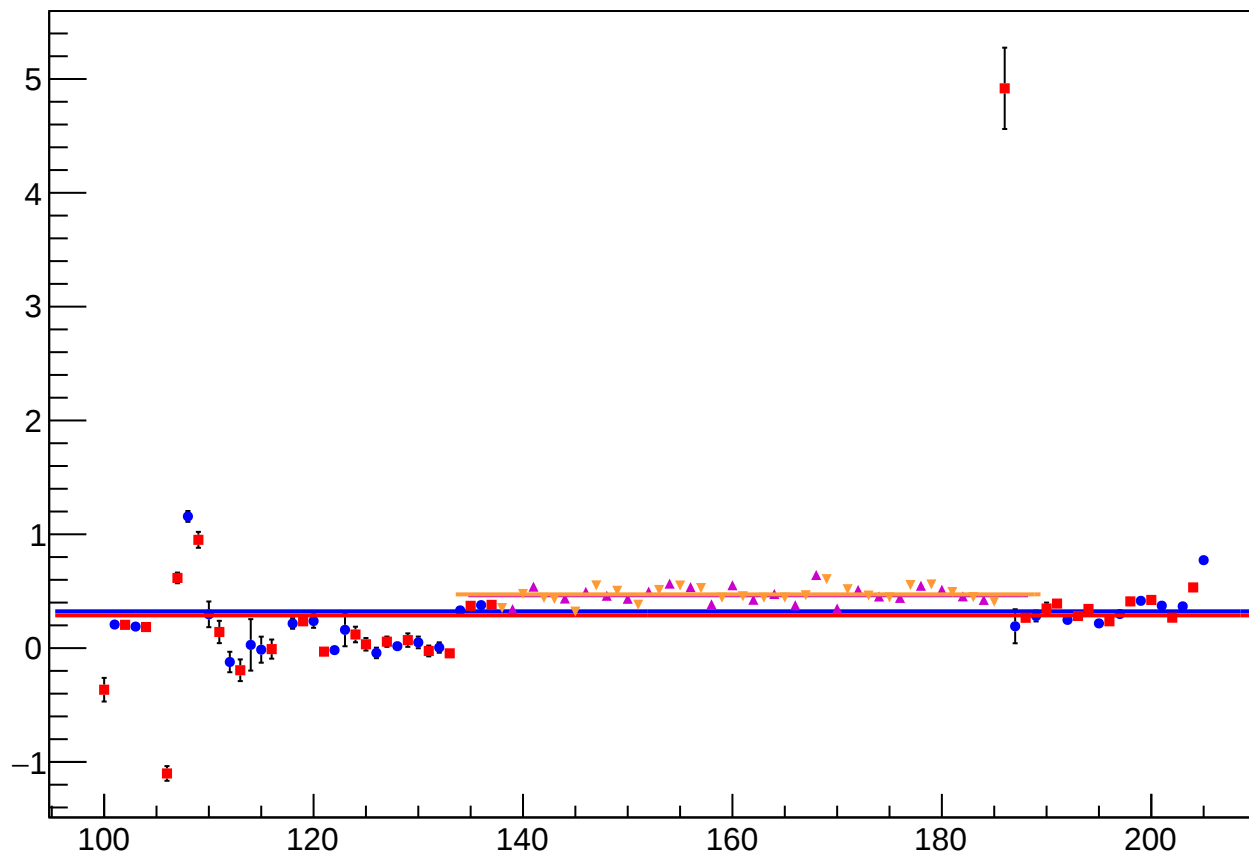
Left In: 10.813 ± 0.063 $\chi^2/\text{NDF}: 3546.8/22$

+ sign 11.329 ± 0.056 $\chi^2/\text{NDF}: 8098.9/50$

All: 11.344 ± 0.040 $\chi^2/\text{NDF}: 18421.7/103$

- sign 11.360 ± 0.057 $\chi^2/\text{NDF}: 10322.7/52$

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.323 ± 0.006 χ^2/NDF : 883.2/25

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.288 ± 0.006 χ^2/NDF : 1299.2/29

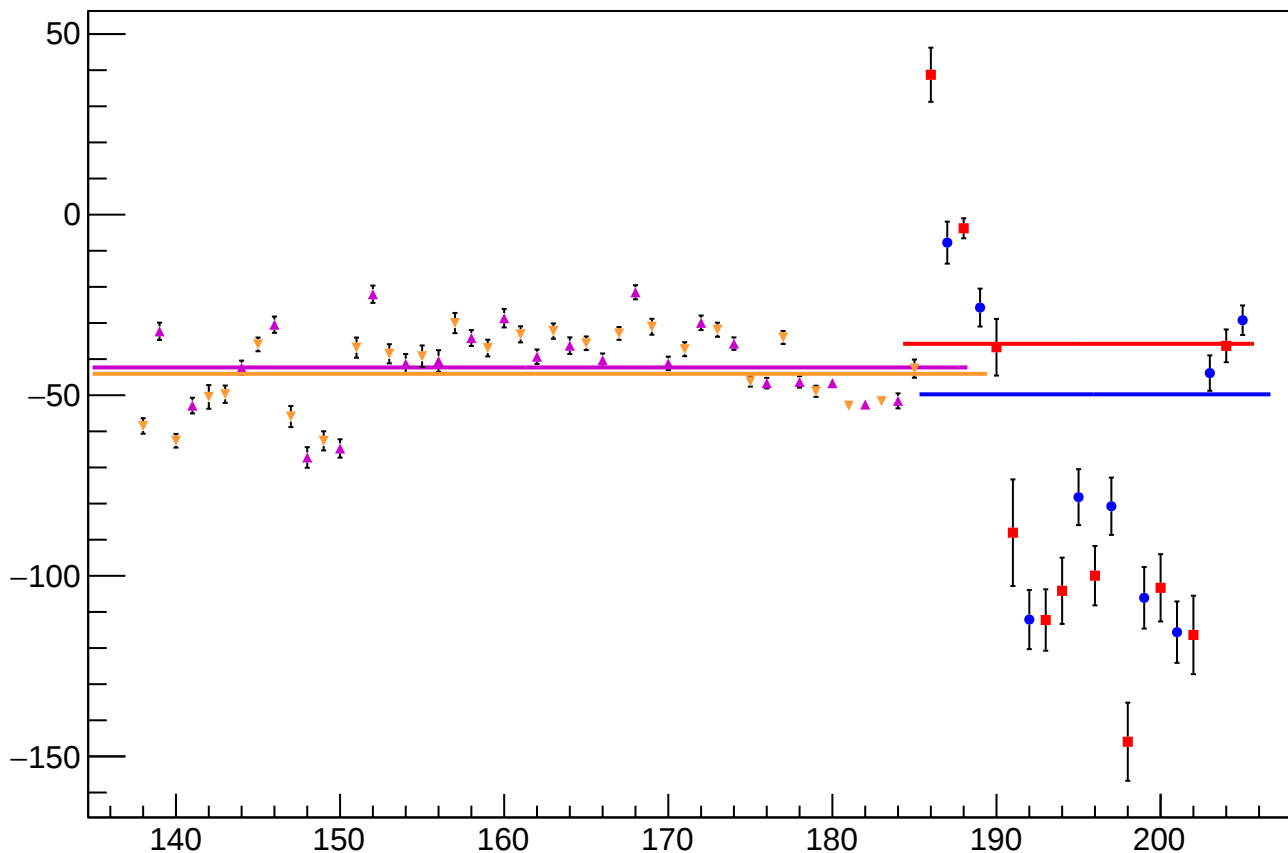
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.446 ± 0.003 χ^2/NDF : 1913.4/50

All: 0.440 ± 0.002 χ^2/NDF : 4670.5/103

- sign 0.433 ± 0.003 χ^2/NDF : 2743.8/52

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -49.746 ± 2.032 χ^2/NDF : 290.2/8

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -35.756 ± 1.866 χ^2/NDF : 653.9/10

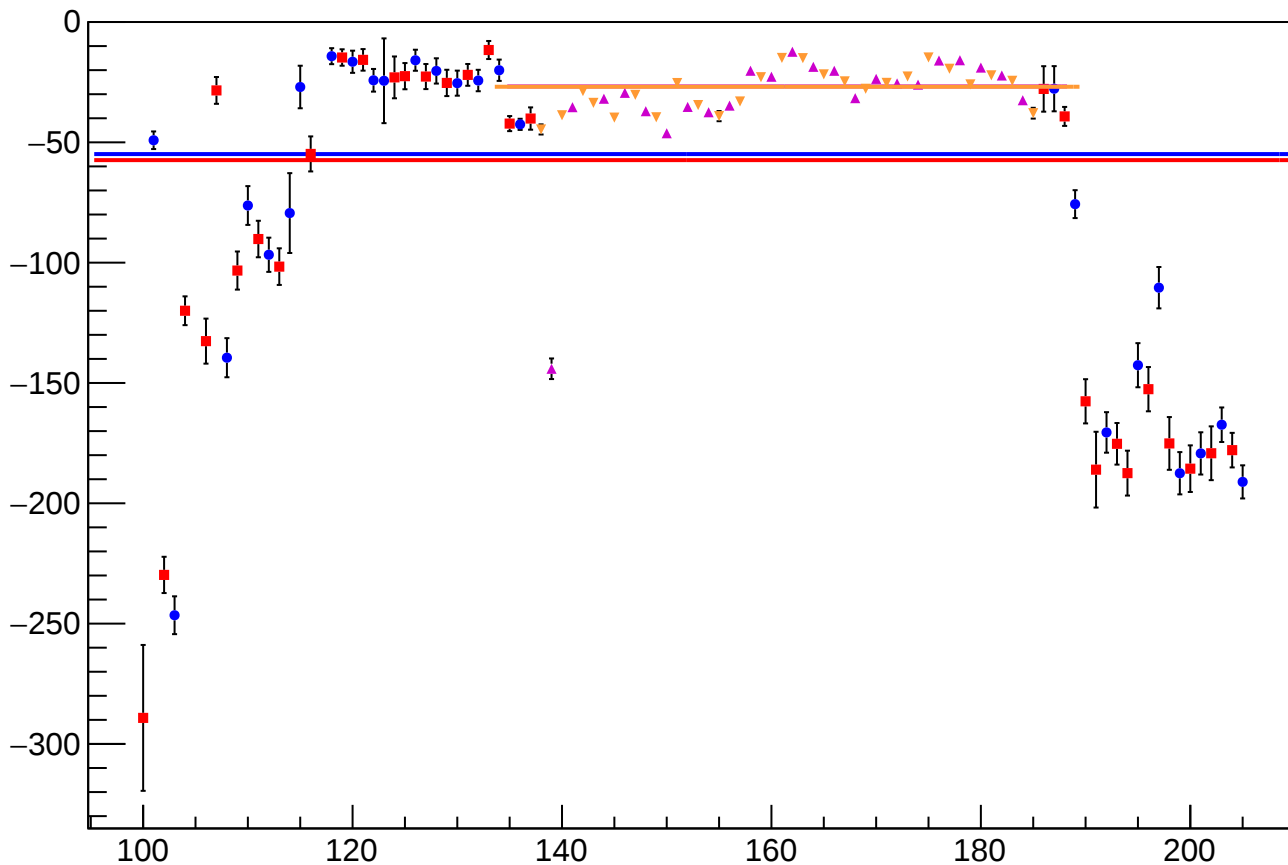
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -44.278 ± 0.382 χ^2/NDF : 930.3/33

All: -43.173 ± 0.273 χ^2/NDF : 2253.7/67

- sign -42.018 ± 0.390 χ^2/NDF : 1306.3/33

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -54.882 ± 1.052 $\chi^2/\text{NDF}: 2725.4/25$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -57.393 ± 1.081 $\chi^2/\text{NDF}: 2889.5/29$

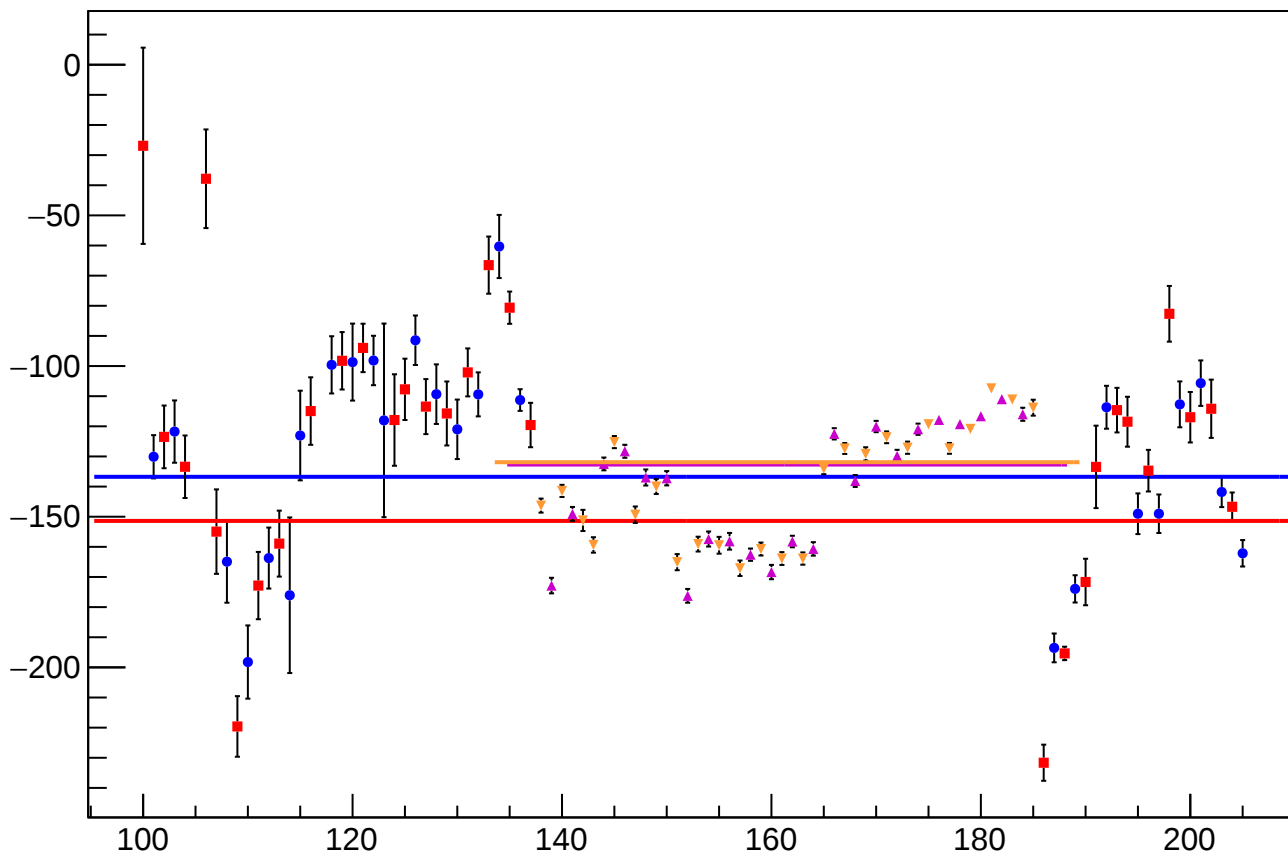
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -29.221 ± 0.303 $\chi^2/\text{NDF}: 4005.2/50$

All: -29.274 ± 0.217 $\chi^2/\text{NDF}: 9024.3/103$

- sign -29.330 ± 0.312 $\chi^2/\text{NDF}: 5019.0/52$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -136.757 ± 1.393 χ^2/NDF : 535.4/25

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -151.393 ± 1.302 χ^2/NDF : 1290.9/29

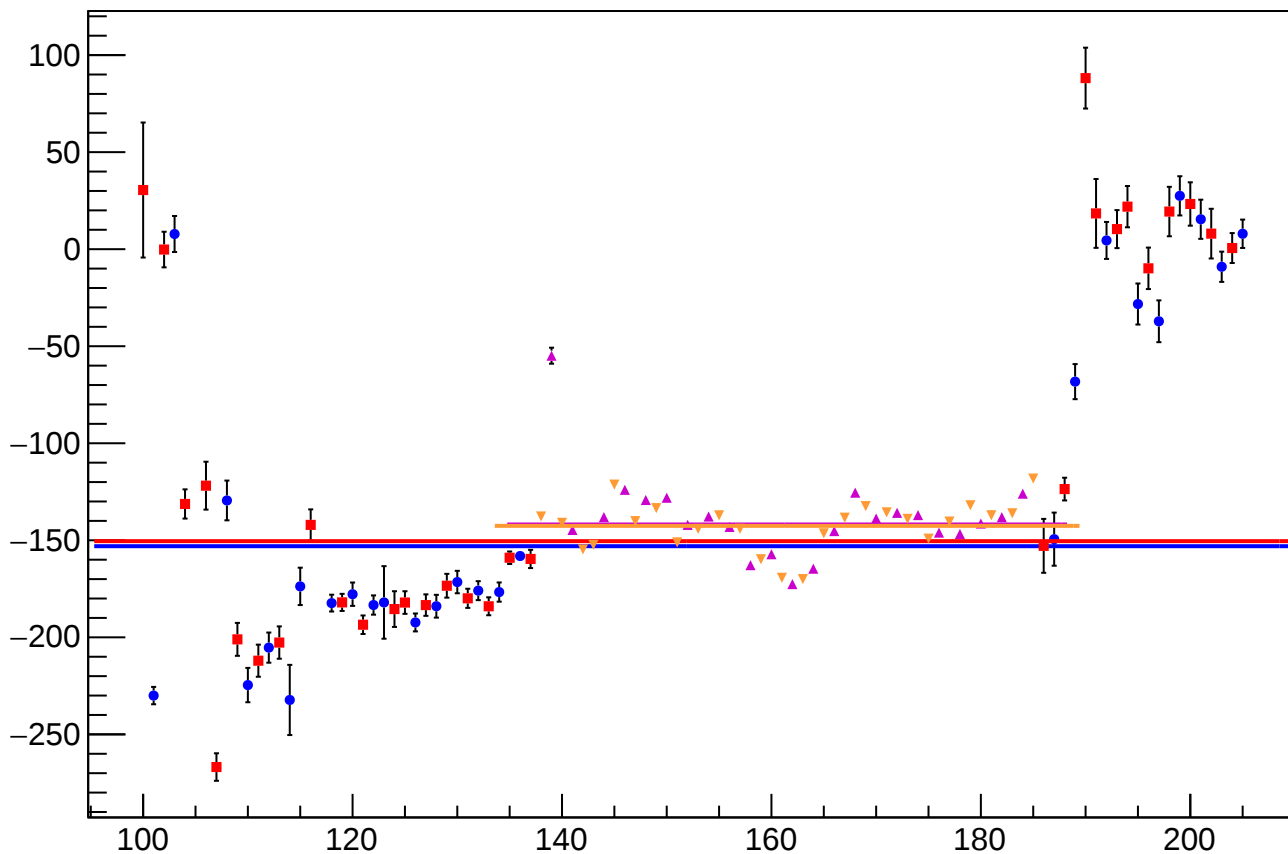
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -132.267 ± 0.377 χ^2/NDF : 2986.0/50

All: -133.270 ± 0.268 χ^2/NDF : 6960.2/103

- sign -134.299 ± 0.382 χ^2/NDF : 3959.9/52

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -153.043 ± 1.185 χ^2/NDF : 3040.5/25

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -150.443 ± 1.242 χ^2/NDF : 3038.7/29

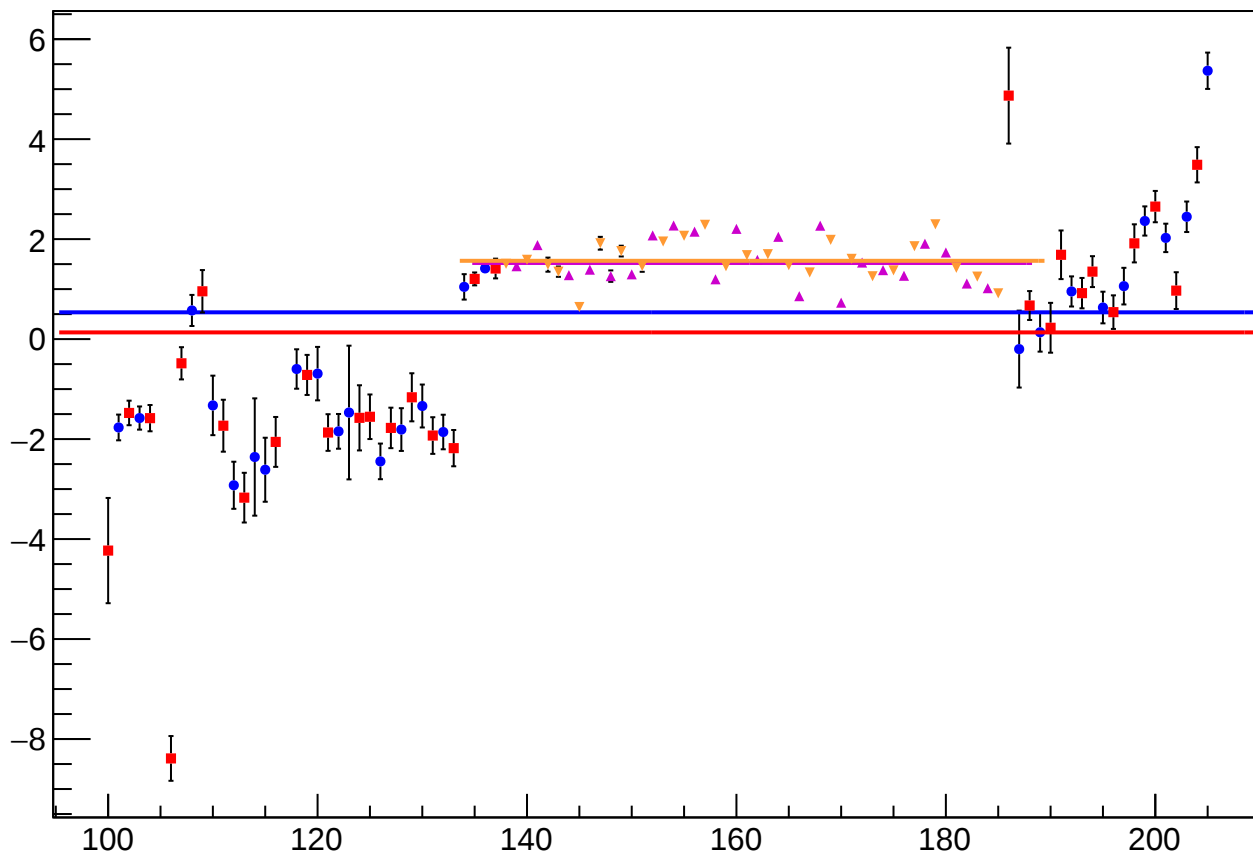
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -143.423 ± 0.339 χ^2/NDF : 4260.0/50

All: -142.992 ± 0.243 χ^2/NDF : 8890.3/103

- sign -142.535 ± 0.349 χ^2/NDF : 4626.9/52

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.536 ± 0.058 χ^2/NDF : 861.4/25

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.134 ± 0.060 χ^2/NDF : 1060.9/29

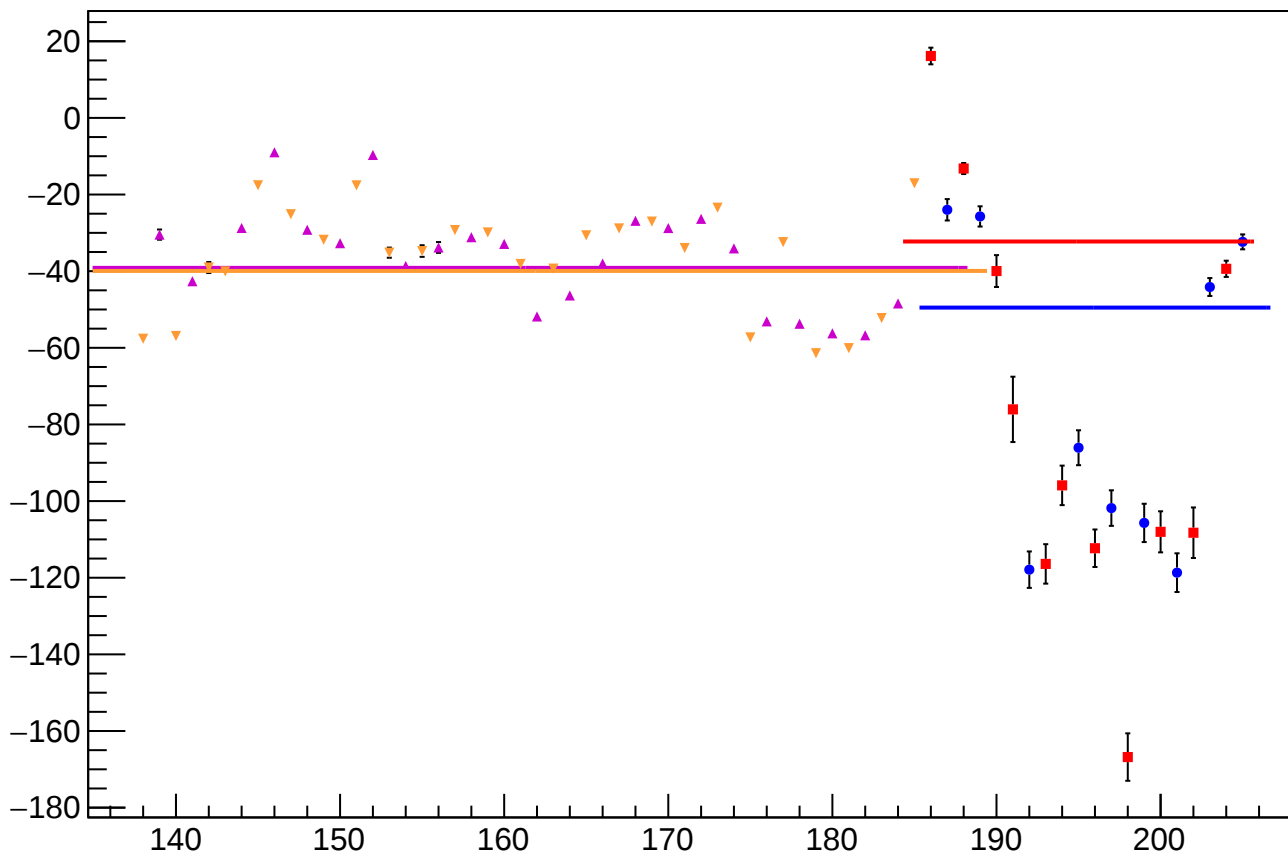
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.491 ± 0.016 χ^2/NDF : 1700.2/50

All: 1.458 ± 0.011 χ^2/NDF : 4010.6/103

- sign 1.424 ± 0.016 χ^2/NDF : 2301.4/52

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -49.505 ± 1.034 $\chi^2/\text{NDF}: 959.8/8$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -32.259 ± 0.917 $\chi^2/\text{NDF}: 2205.1/10$

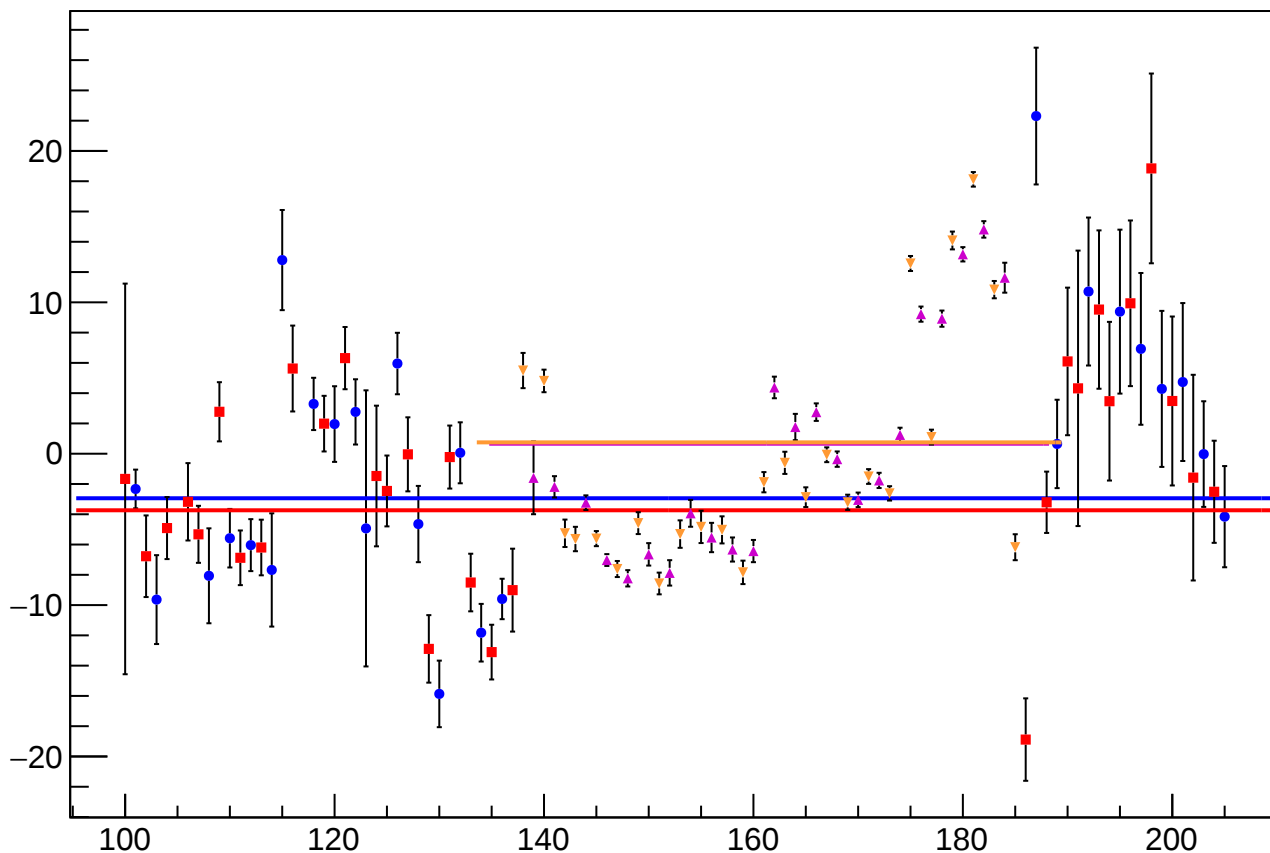
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -40.141 ± 0.152 $\chi^2/\text{NDF}: 10850.1/33$

All: -39.547 ± 0.107 $\chi^2/\text{NDF}: 21675.3/67$

- sign -38.947 ± 0.152 $\chi^2/\text{NDF}: 10794.3/33$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -2.942 ± 0.469 $\chi^2/\text{NDF}: 219.0/25$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.737 ± 0.467 $\chi^2/\text{NDF}: 187.5/29$

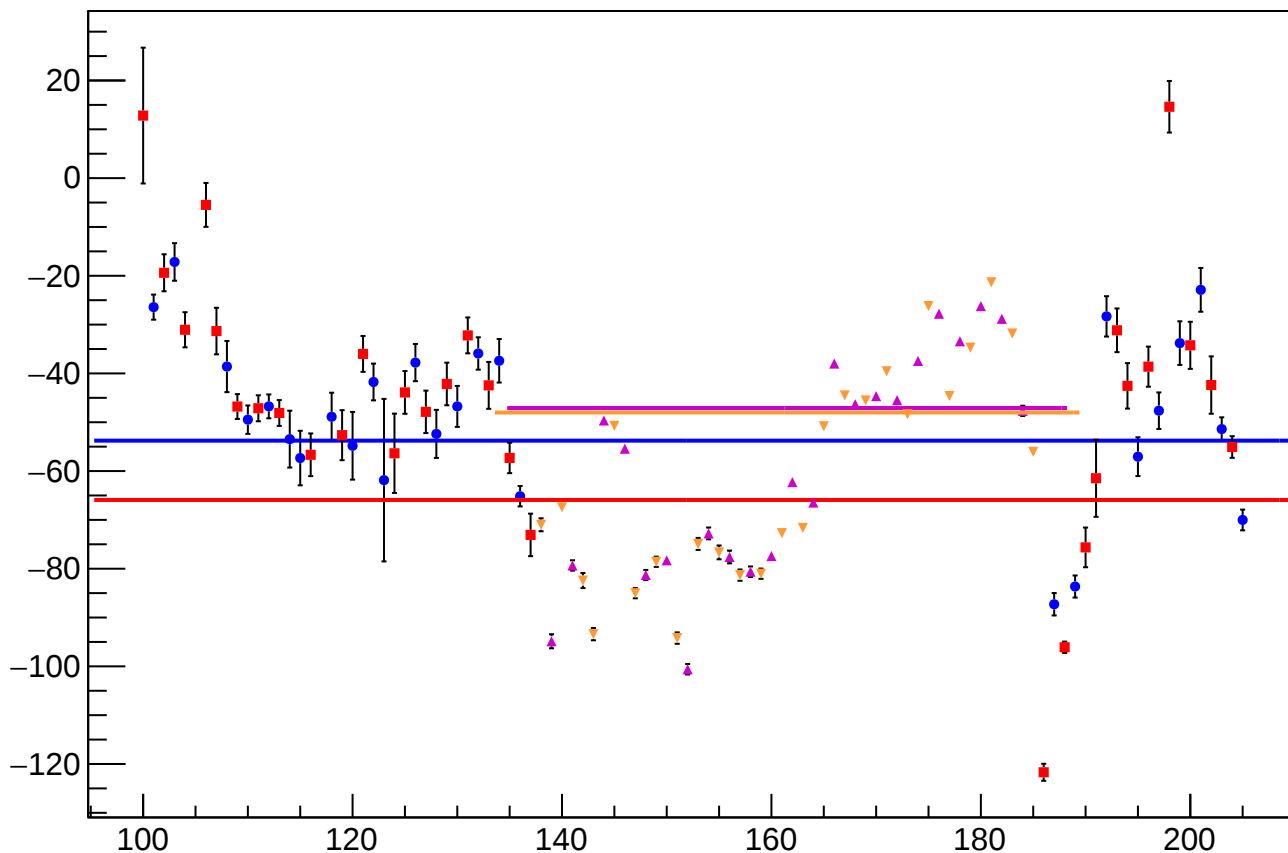
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.508 ± 0.120 $\chi^2/\text{NDF}: 4247.7/50$

All: 0.438 ± 0.085 $\chi^2/\text{NDF}: 7856.5/103$

- sign 0.369 ± 0.120 $\chi^2/\text{NDF}: 3608.1/52$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -53.766 ± 0.653 χ^2/NDF : 882.4/25

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -65.918 ± 0.586 χ^2/NDF : 3080.5/29

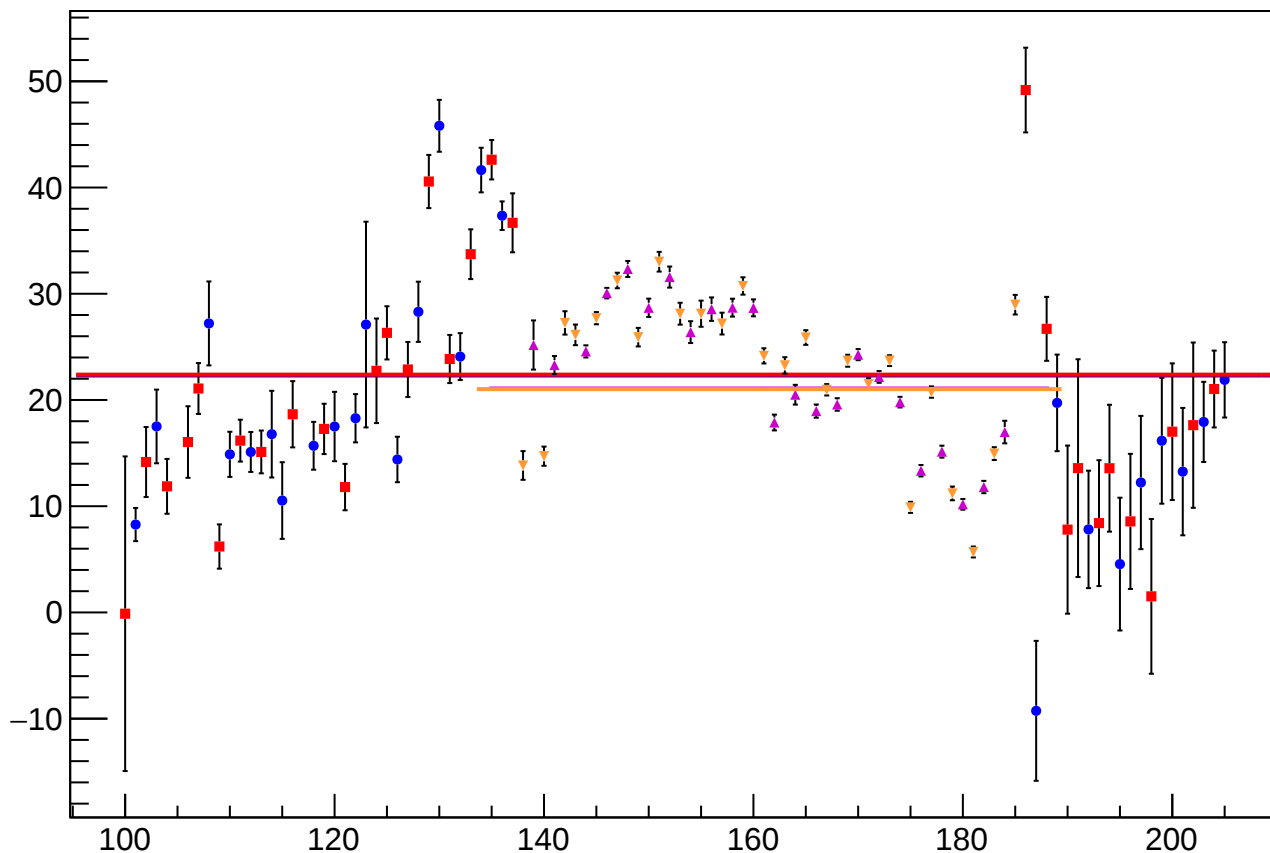
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.314 ± 0.151 χ^2/NDF : 17906.1/50

All: -48.317 ± 0.106 χ^2/NDF : 37465.9/103

- sign -48.320 ± 0.150 χ^2/NDF : 19559.8/52

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.306 $\pm$ 0.531 χ^2 /NDF: 504.9/25

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 22.387 $\pm$ 0.538 χ^2 /NDF: 439.5/29

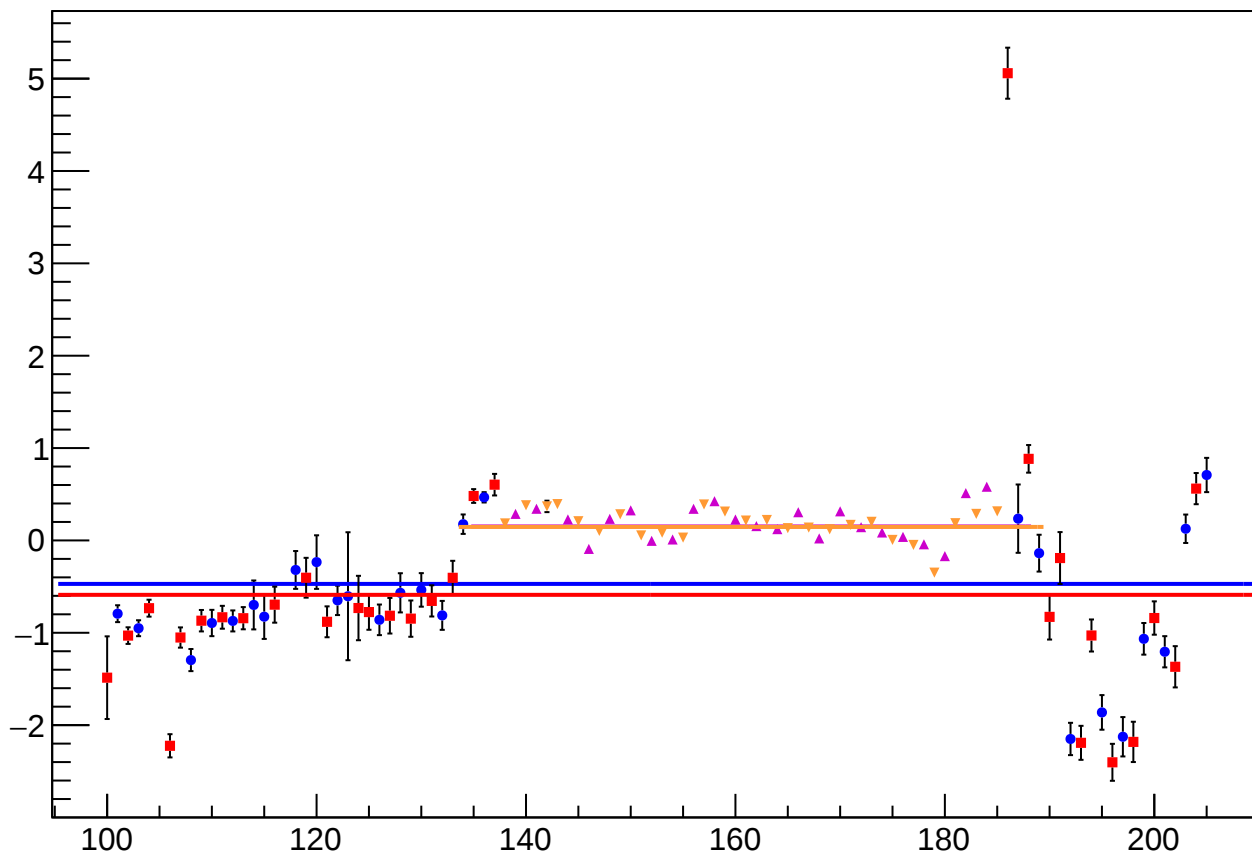
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.102 $\pm$ 0.134 χ^2 /NDF: 3309.7/50

All: 21.132 $\pm$ 0.095 χ^2 /NDF: 5928.1/103

- sign 21.161 $\pm$ 0.135 χ^2 /NDF: 2618.3/52

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.471 ± 0.027 χ^2/NDF : 747.9/25

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.589 ± 0.027 χ^2/NDF : 1347.1/29

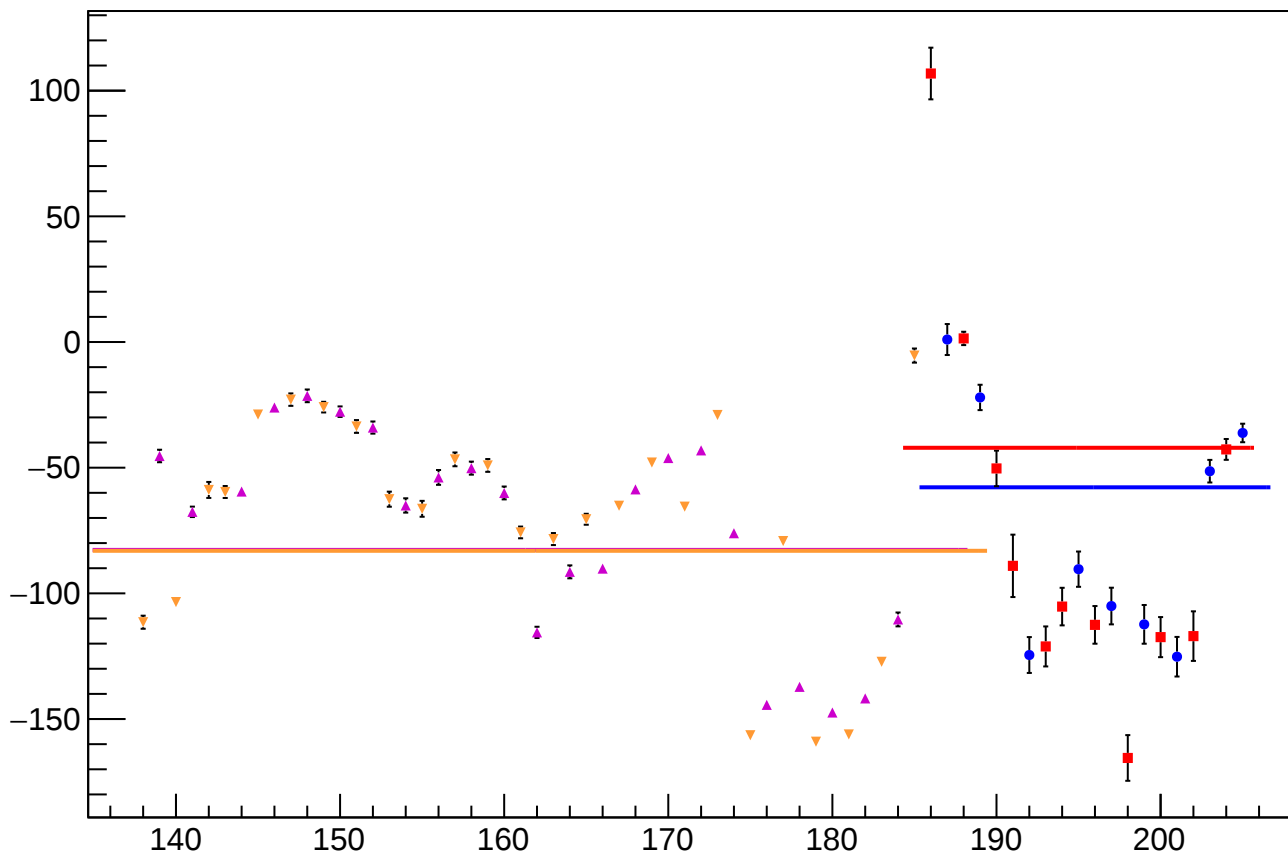
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.114 ± 0.006 χ^2/NDF : 1847.7/50

All: 0.113 ± 0.004 χ^2/NDF : 4777.6/103

- sign 0.112 ± 0.006 χ^2/NDF : 2929.8/52

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -57.809 ± 1.888 χ^2/NDF : 452.0/8

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -42.081 ± 1.752 χ^2/NDF : 1084.3/10

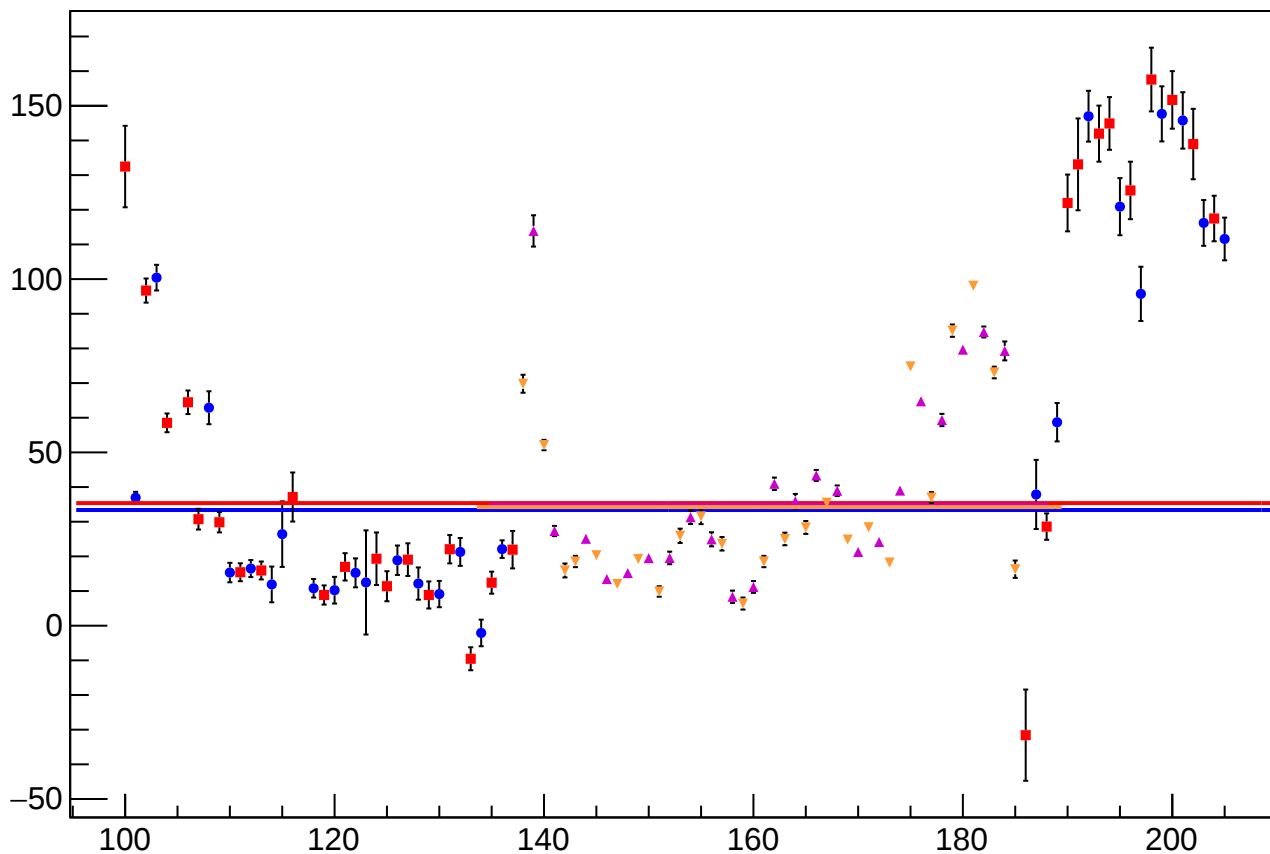
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -81.950 ± 0.397 χ^2/NDF : 14440.4/33

All: -81.262 ± 0.283 χ^2/NDF : 26881.4/67

- sign -80.551 ± 0.404 χ^2/NDF : 12434.9/33

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 33.382 ± 0.766 χ^2/NDF : 1946.1/25

Left Out: 34.219 ± 0.320 χ^2/NDF : 6192.6/24

Right Out: 35.371 ± 0.762 χ^2/NDF : 2434.3/29

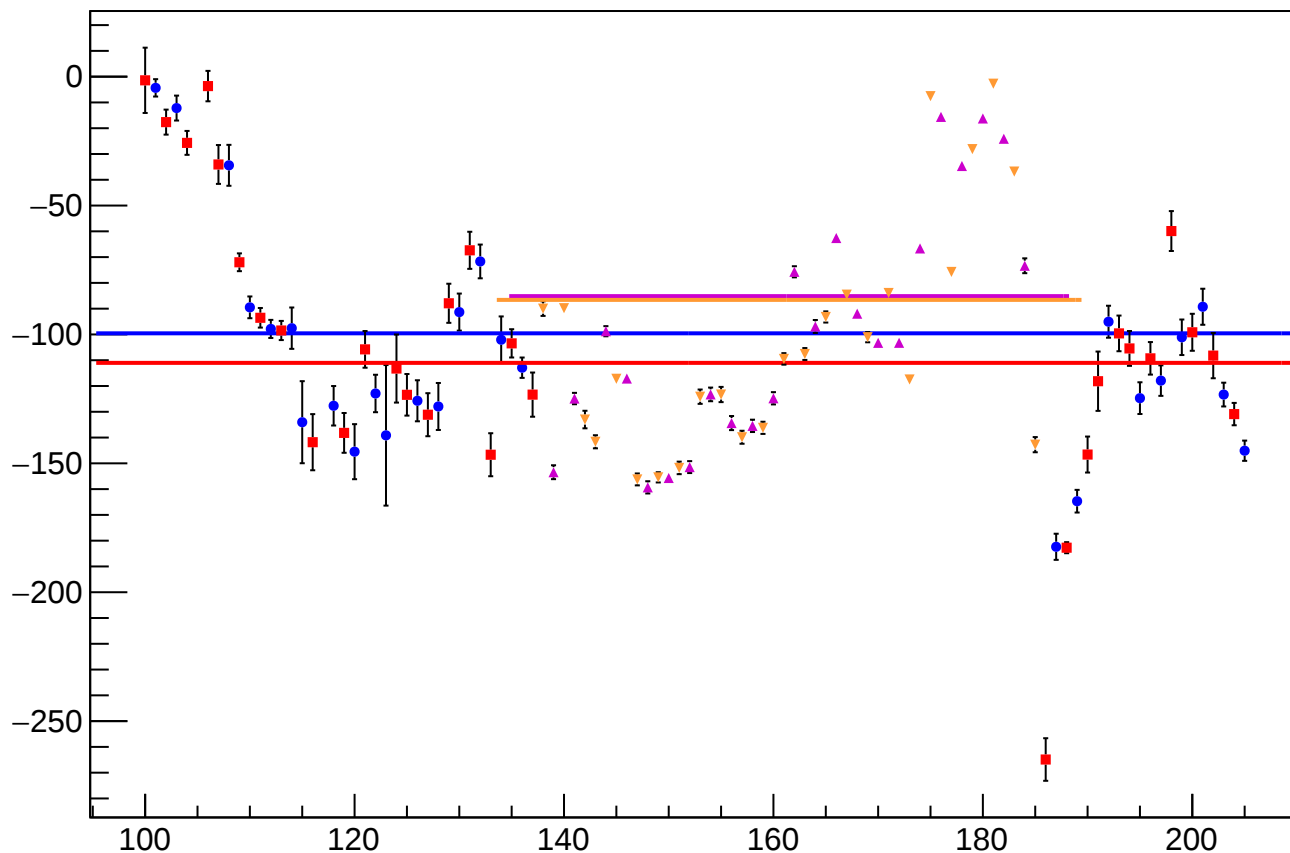
Left In: 34.870 ± 0.329 χ^2/NDF : 4716.1/22

+ sign 34.094 ± 0.295 χ^2/NDF : 8139.7/50

All: 34.512 ± 0.211 χ^2/NDF : 15294.6/103

- sign 34.949 ± 0.302 χ^2/NDF : 7150.8/52

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -99.566 ± 1.103 $\chi^2/\text{NDF}: 1976.1/25$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -111.026 ± 1.012 $\chi^2/\text{NDF}: 3040.2/29$

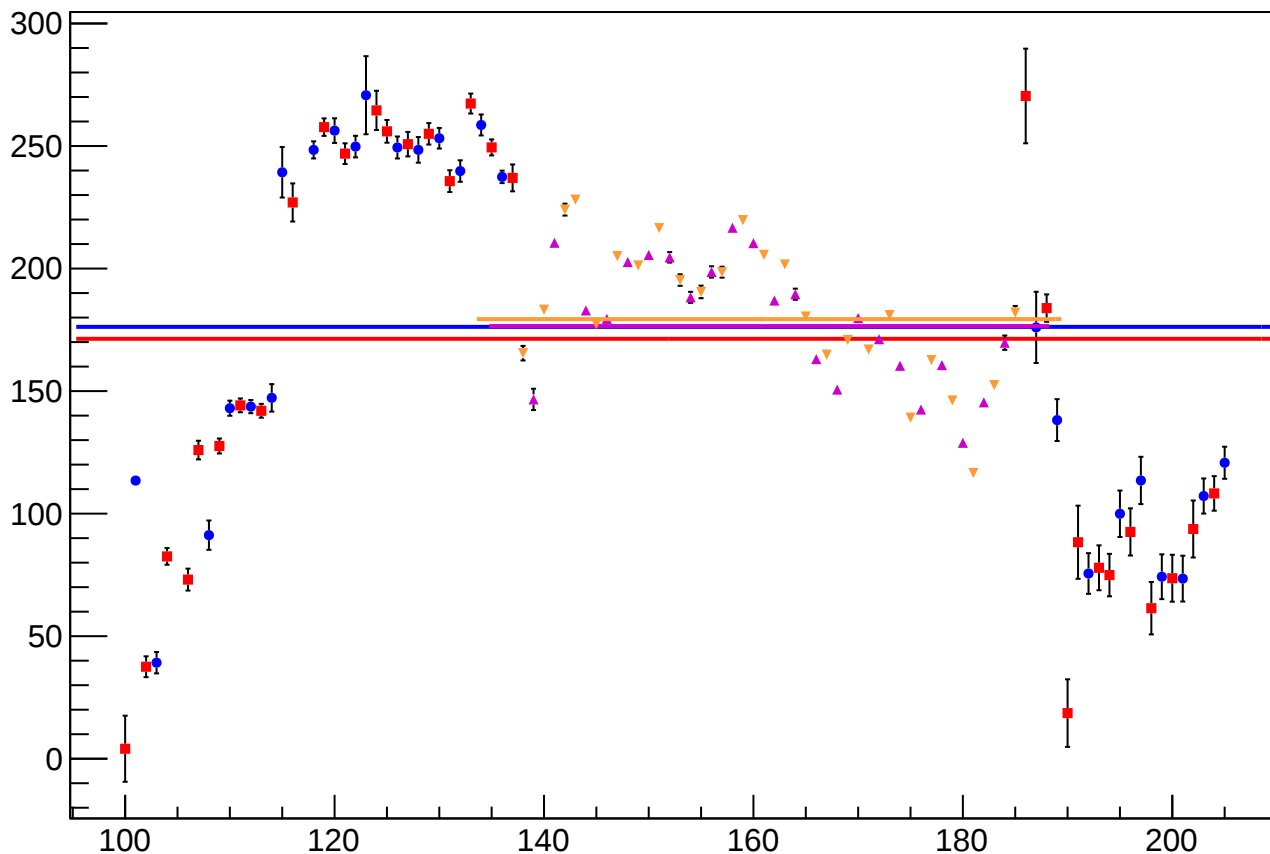
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -88.159 ± 0.383 $\chi^2/\text{NDF}: 16613.3/50$

All: -88.509 ± 0.271 $\chi^2/\text{NDF}: 33056.5/103$

- sign -88.860 ± 0.384 $\chi^2/\text{NDF}: 16441.5/52$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 176.213 ± 0.876 $\chi^2/\text{NDF}: 6063.9/25$

Left Out: 179.359 ± 0.362 $\chi^2/\text{NDF}: 5982.2/24$

Right Out: 171.339 ± 0.878 $\chi^2/\text{NDF}: 7200.8/29$

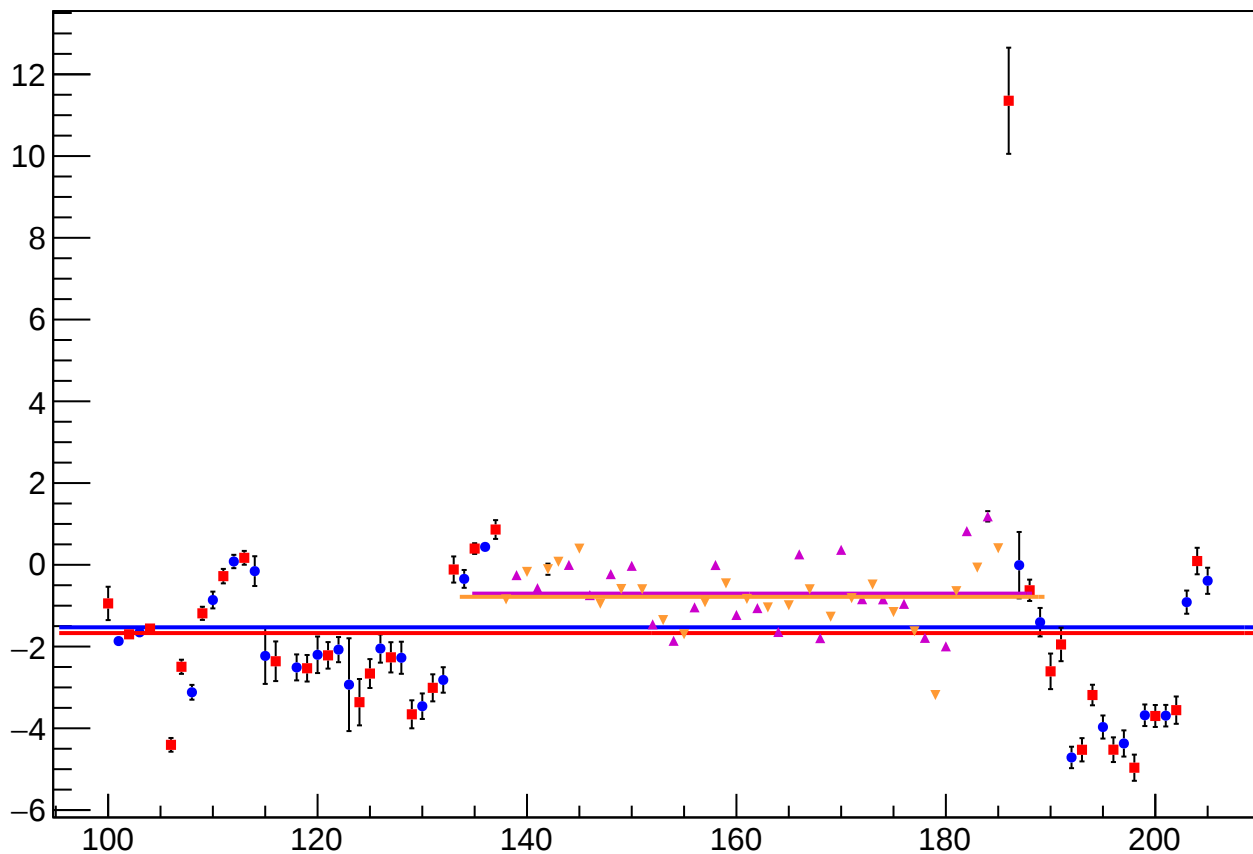
Left In: 176.531 ± 0.371 $\chi^2/\text{NDF}: 4426.0/22$

+ sign 178.901 ± 0.334 $\chi^2/\text{NDF}: 12057.1/50$

All: 177.357 ± 0.239 $\chi^2/\text{NDF}: 23757.1/103$

- sign 175.745 ± 0.342 $\chi^2/\text{NDF}: 11656.5/52$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.529 ± 0.044 χ^2/NDF : 1123.8/25

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.670 ± 0.041 χ^2/NDF : 1529.6/29

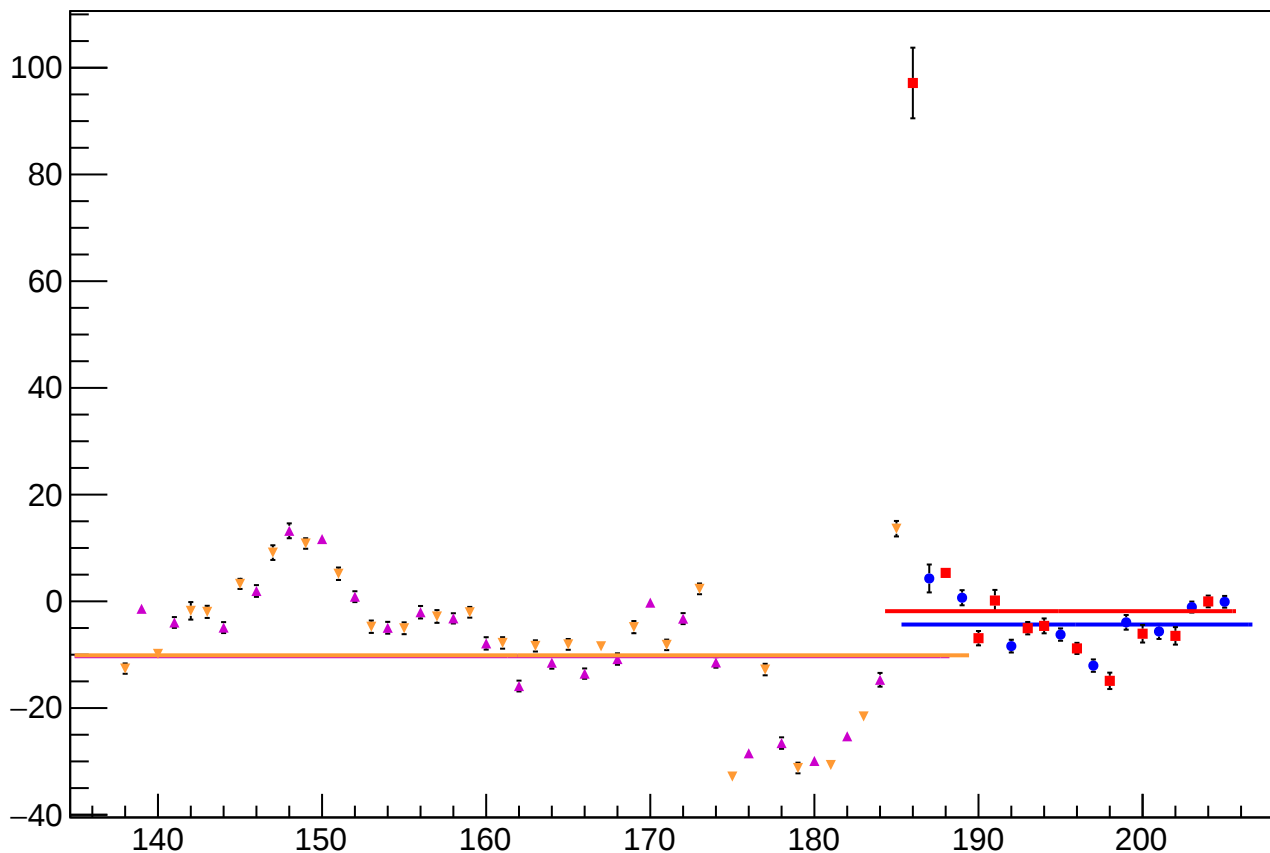
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.878 ± 0.016 χ^2/NDF : 3151.5/50

All: -0.861 ± 0.011 χ^2/NDF : 7557.2/103

- sign -0.843 ± 0.016 χ^2/NDF : 4403.1/52

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -4.347 ± 0.421 χ^2/NDF : 107.6/8

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.844 ± 0.367 χ^2/NDF : 510.1/10

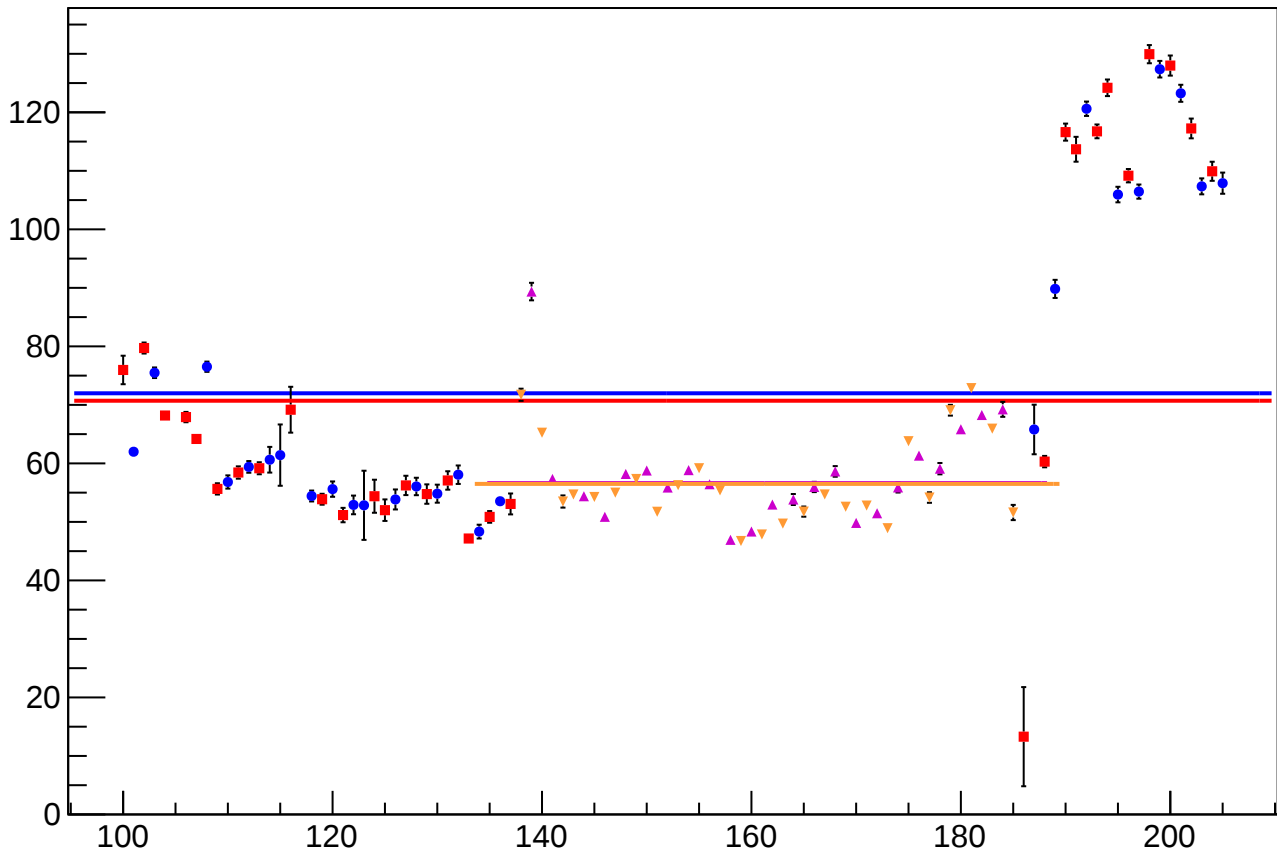
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -9.043 ± 0.182 χ^2/NDF : 4398.5/33

All: -8.652 ± 0.128 χ^2/NDF : 8772.7/67

- sign -8.272 ± 0.179 χ^2/NDF : 4365.0/33

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 71.981 ± 0.232 χ^2/NDF : 9784.7/25

Left Out: 56.496 ± 0.159 χ^2/NDF : 1968.0/24

Right Out: 70.709 ± 0.216 χ^2/NDF : 12930.8/29

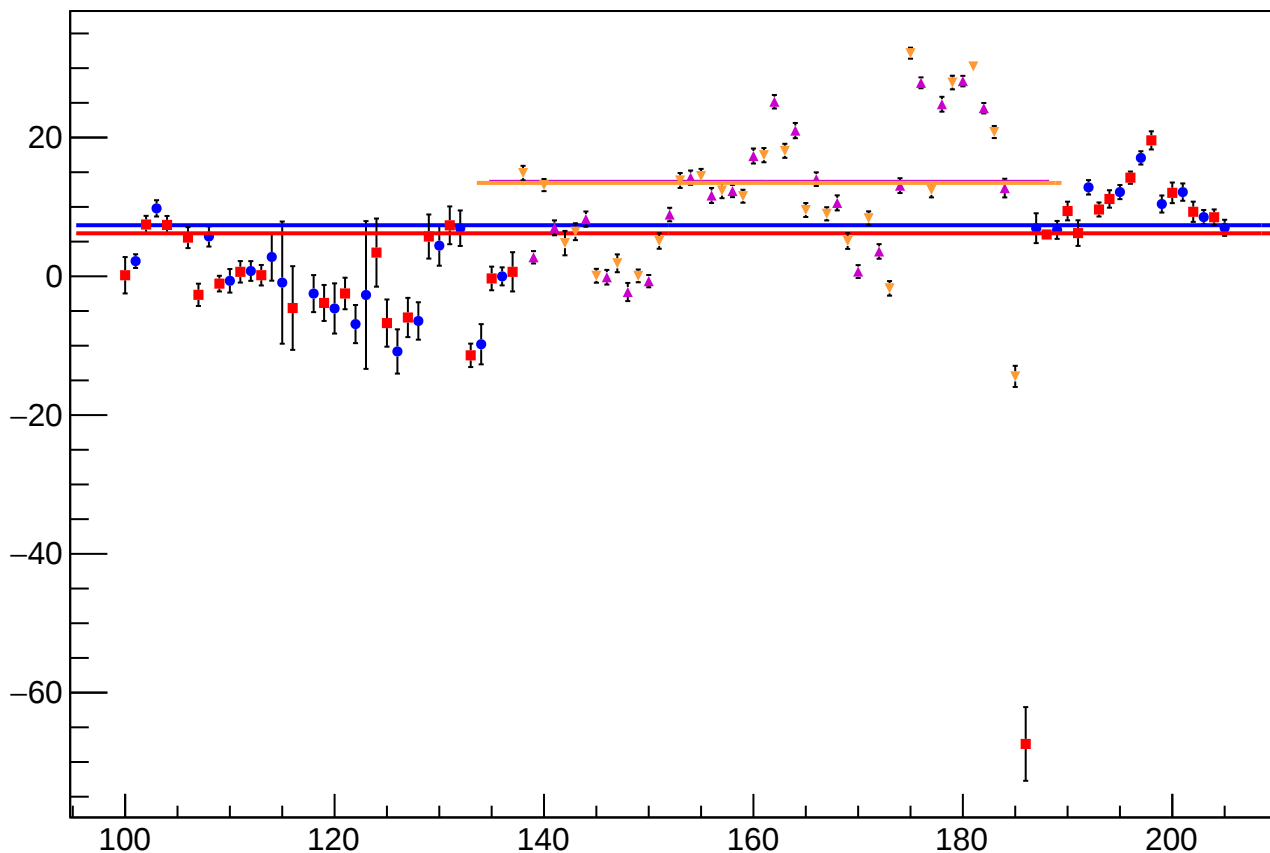
Left In: 56.635 ± 0.165 χ^2/NDF : 1607.9/22

+ sign 61.447 ± 0.131 χ^2/NDF : 14790.3/50

All: 61.641 ± 0.093 χ^2/NDF : 32016.8/103

- sign 61.834 ± 0.131 χ^2/NDF : 17222.2/52

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.362 ± 0.295 χ^2/NDF : 433.5/25

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.198 ± 0.256 χ^2/NDF : 737.5/29

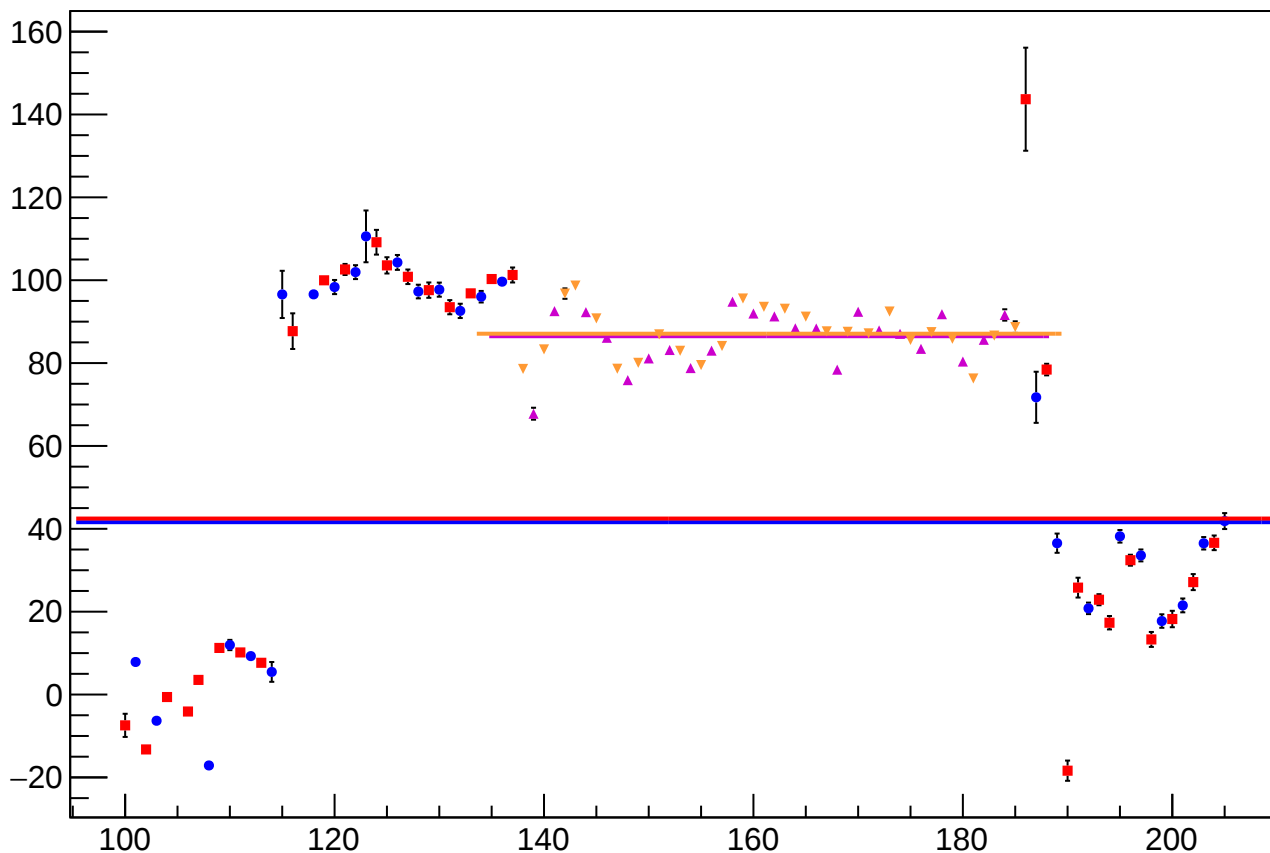
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.518 ± 0.166 χ^2/NDF : 3461.9/50

All: 11.105 ± 0.115 χ^2/NDF : 7041.0/103

- sign 10.724 ± 0.160 χ^2/NDF : 3567.2/52

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 41.597 ± 0.269 $\chi^2/\text{NDF}: 25470.5/25$

Left Out: 87.087 ± 0.179 $\chi^2/\text{NDF}: 1085.8/24$

Right Out: 42.476 ± 0.255 $\chi^2/\text{NDF}: 30756.8/29$

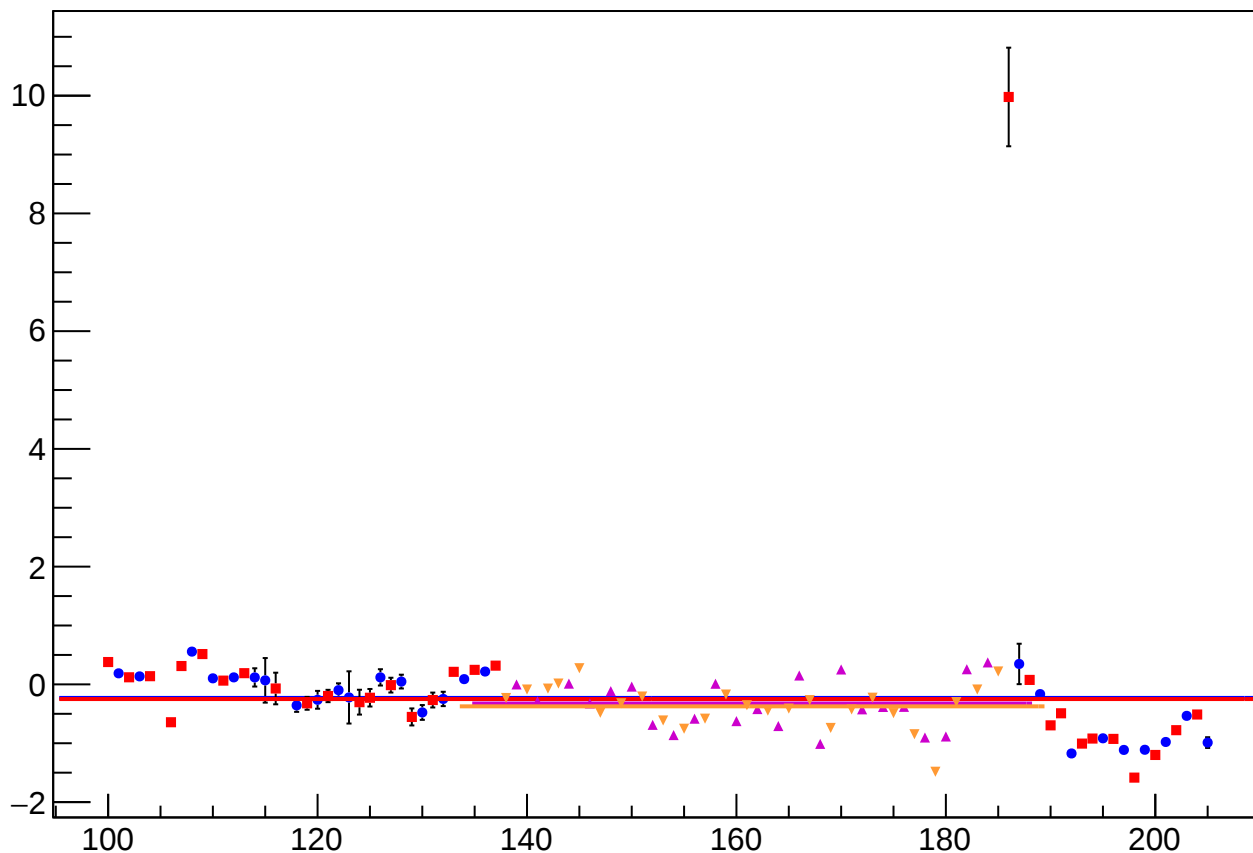
Left In: 86.482 ± 0.185 $\chi^2/\text{NDF}: 1003.2/22$

+ sign 73.103 ± 0.149 $\chi^2/\text{NDF}: 46392.2/50$

All: 72.210 ± 0.106 $\chi^2/\text{NDF}: 97812.1/103$

- sign 71.311 ± 0.149 $\chi^2/\text{NDF}: 51347.9/52$

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.230 ± 0.011 χ^2/NDF : 2947.3/25

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.249 ± 0.010 χ^2/NDF : 3328.1/29

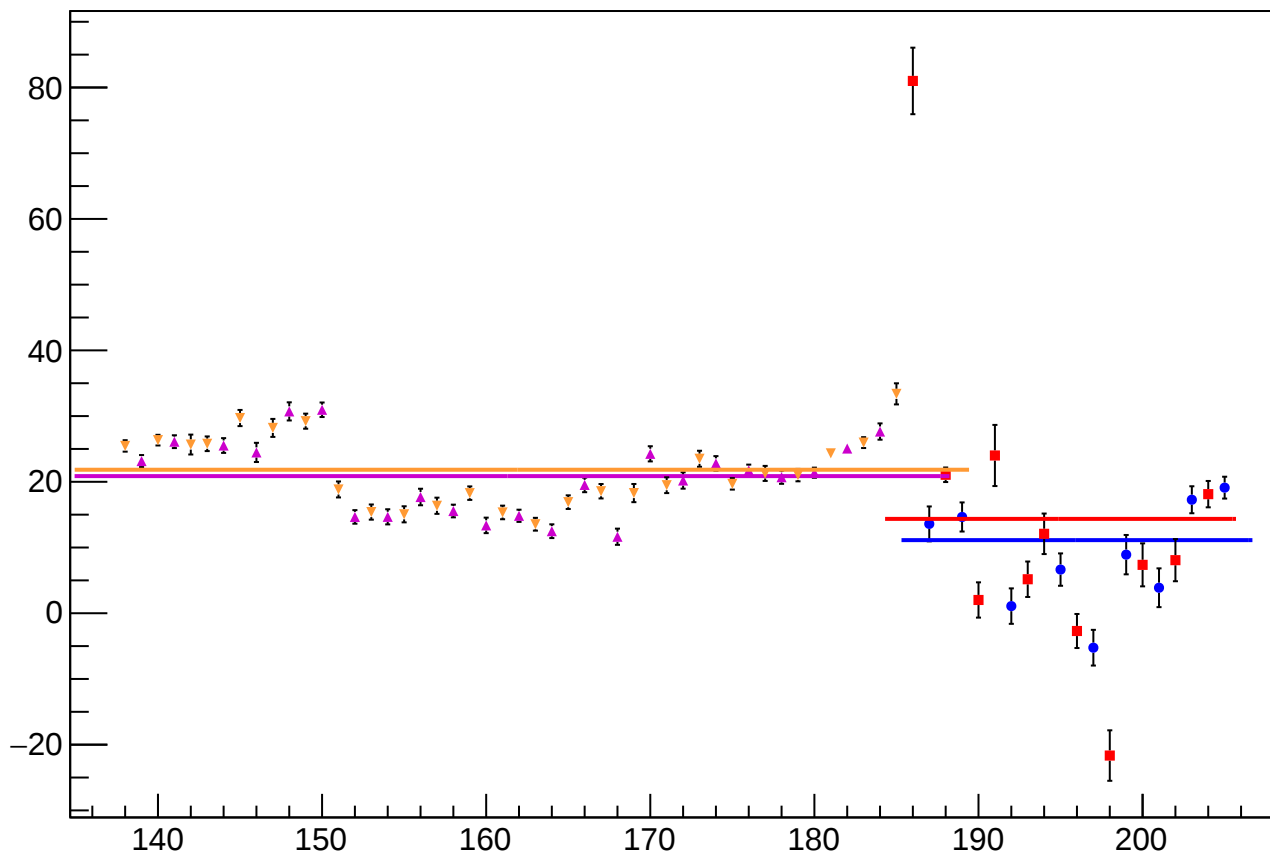
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.323 ± 0.007 χ^2/NDF : 4724.2/50

All: -0.309 ± 0.005 χ^2/NDF : 10378.6/103

- sign -0.296 ± 0.006 χ^2/NDF : 5645.3/52

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 11.124 ± 0.788 $\chi^2/\text{NDF}: 95.5/8$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 14.357 ± 0.718 $\chi^2/\text{NDF}: 390.9/10$

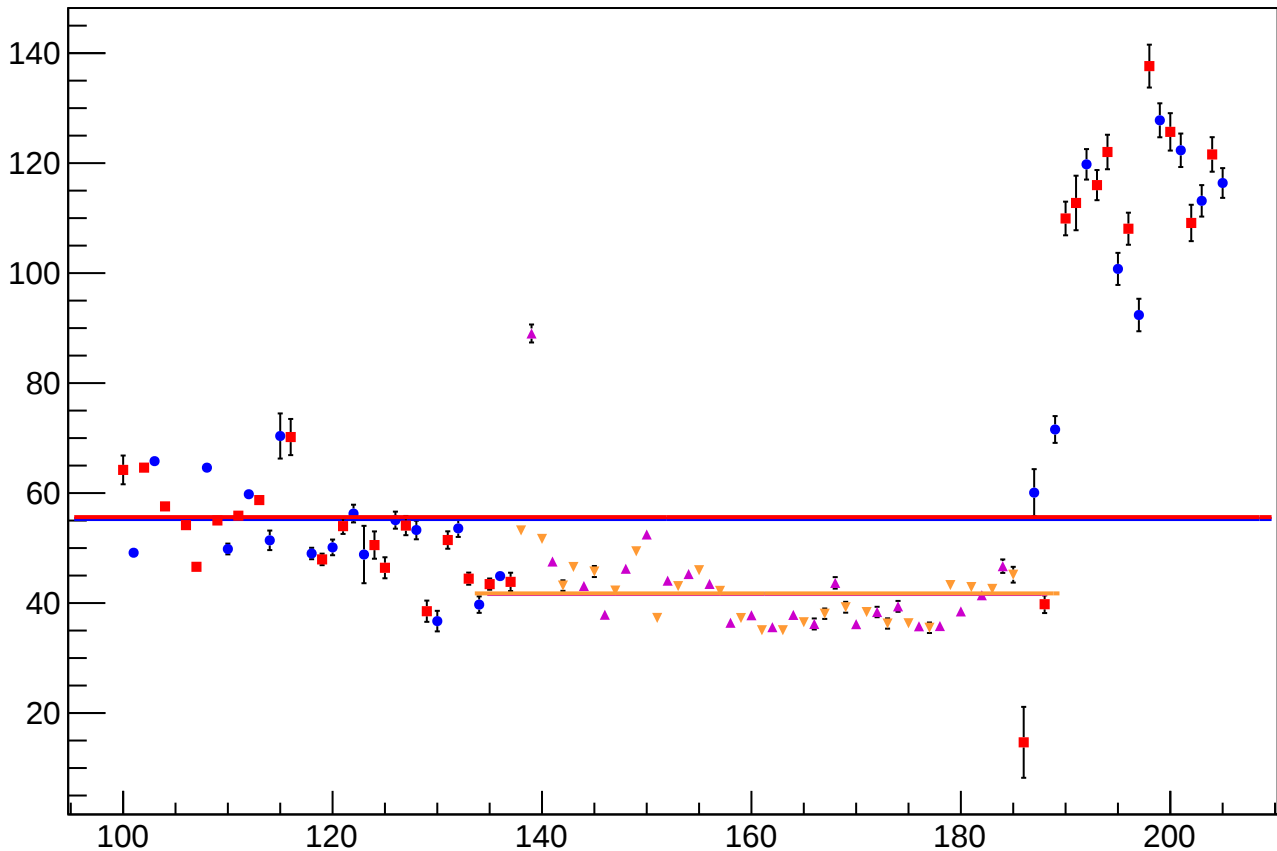
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 21.128 ± 0.203 $\chi^2/\text{NDF}: 792.2/33$

All: 20.734 ± 0.145 $\chi^2/\text{NDF}: 1843.0/67$

- sign 20.323 ± 0.207 $\chi^2/\text{NDF}: 1043.0/33$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 55.277 $\pm$ 0.206 χ^2 /NDF: 4258.6/25

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 55.630 $\pm$ 0.220 χ^2 /NDF: 4391.7/29

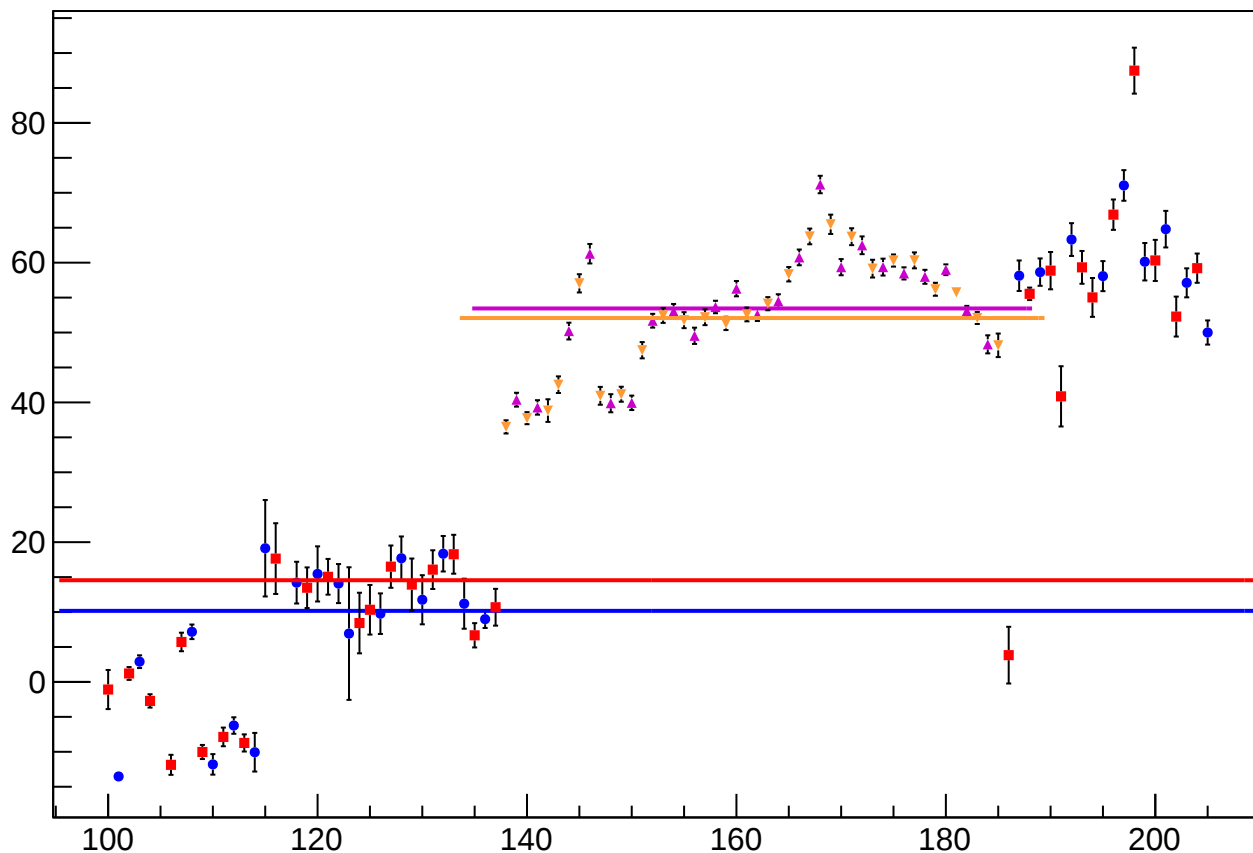
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 47.047 $\pm$ 0.129 χ^2 /NDF: 7889.8/50

All: 47.035 $\pm$ 0.094 χ^2 /NDF: 16383.9/103

- sign 47.022 $\pm$ 0.136 χ^2 /NDF: 8494.0/52

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 10.169 $\pm$ 0.325 χ^2 /NDF: 6724.6/25

Left Out: 52.076 $\pm$ 0.210 χ^2 /NDF:1450.9/24

Right Out: 14.553 $\pm$ 0.322 χ^2 /NDF: 7163.5/29

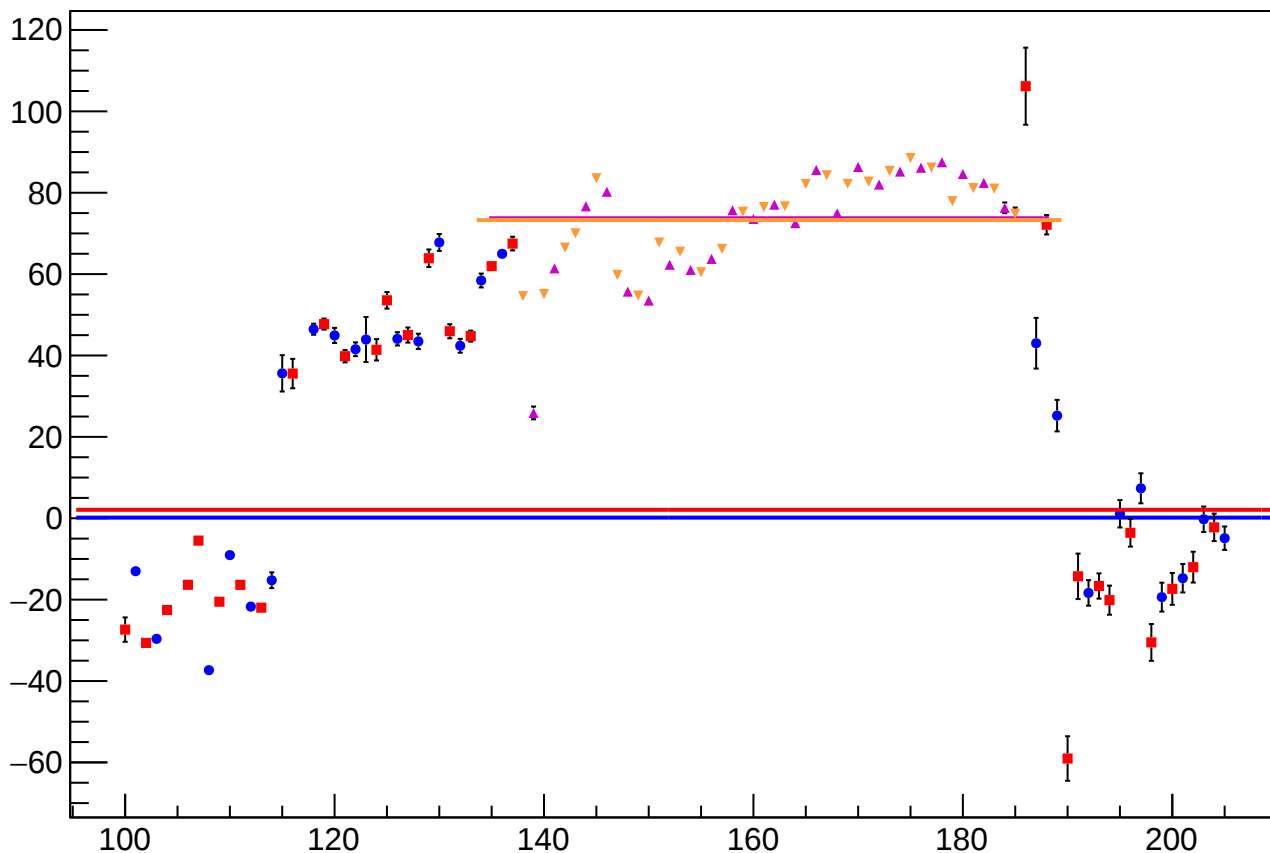
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 39.748 $\pm$ 0.176 χ^2 /NDF: 19889.5/50

All: 40.586 $\pm$ 0.126 χ^2 /NDF: 38329.8/103

- sign 41.449 $\pm$ 0.179 χ^2 /NDF: 18394.5/52

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.158 ± 0.242 χ^2/NDF : 18399.7/25

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.079 ± 0.260 χ^2/NDF : 16701.6/29

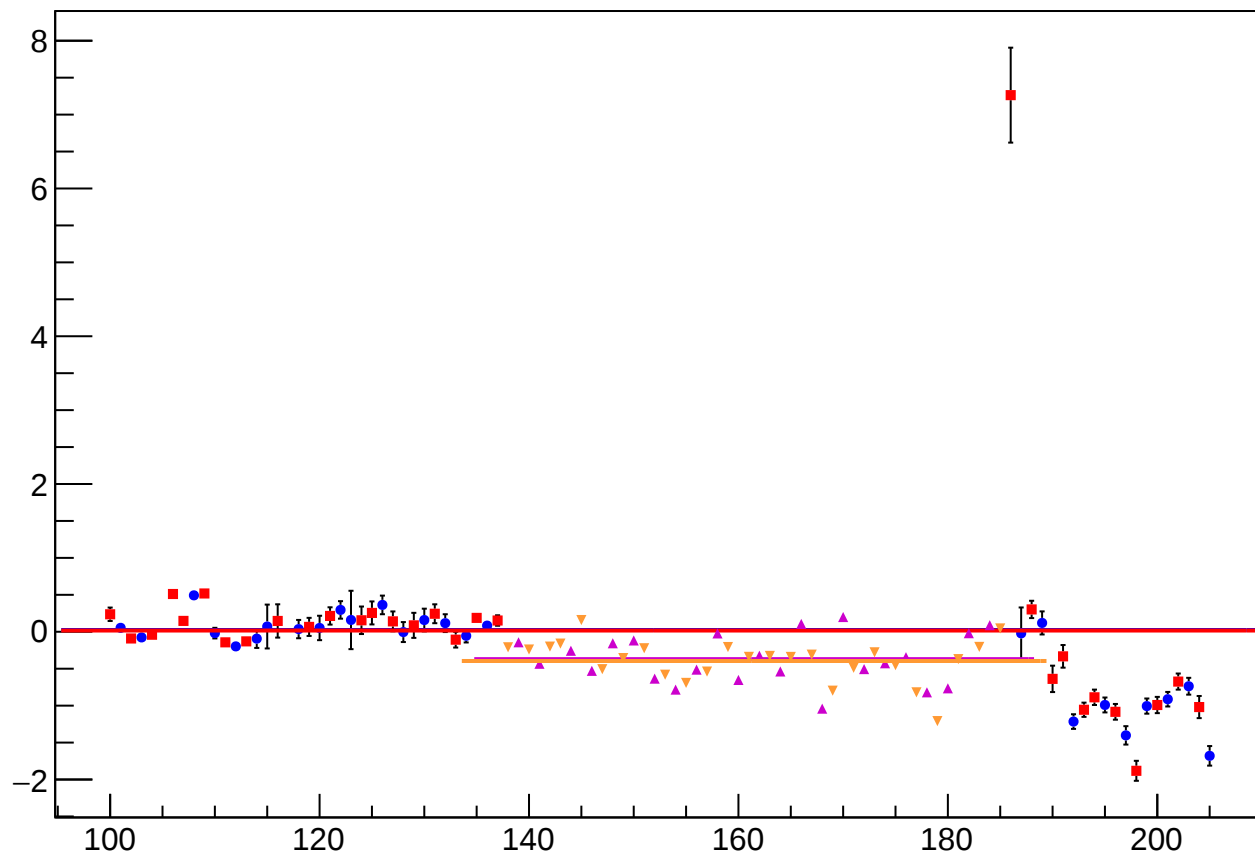
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.002 ± 0.148 χ^2/NDF : 78687.9/50

All: 46.947 ± 0.107 χ^2/NDF : 148081.6/103

- sign 47.992 ± 0.156 χ^2/NDF : 69307.8/52

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.024 ± 0.011 χ^2/NDF : 1244.9/25

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.017 ± 0.011 χ^2/NDF : 1259.2/29

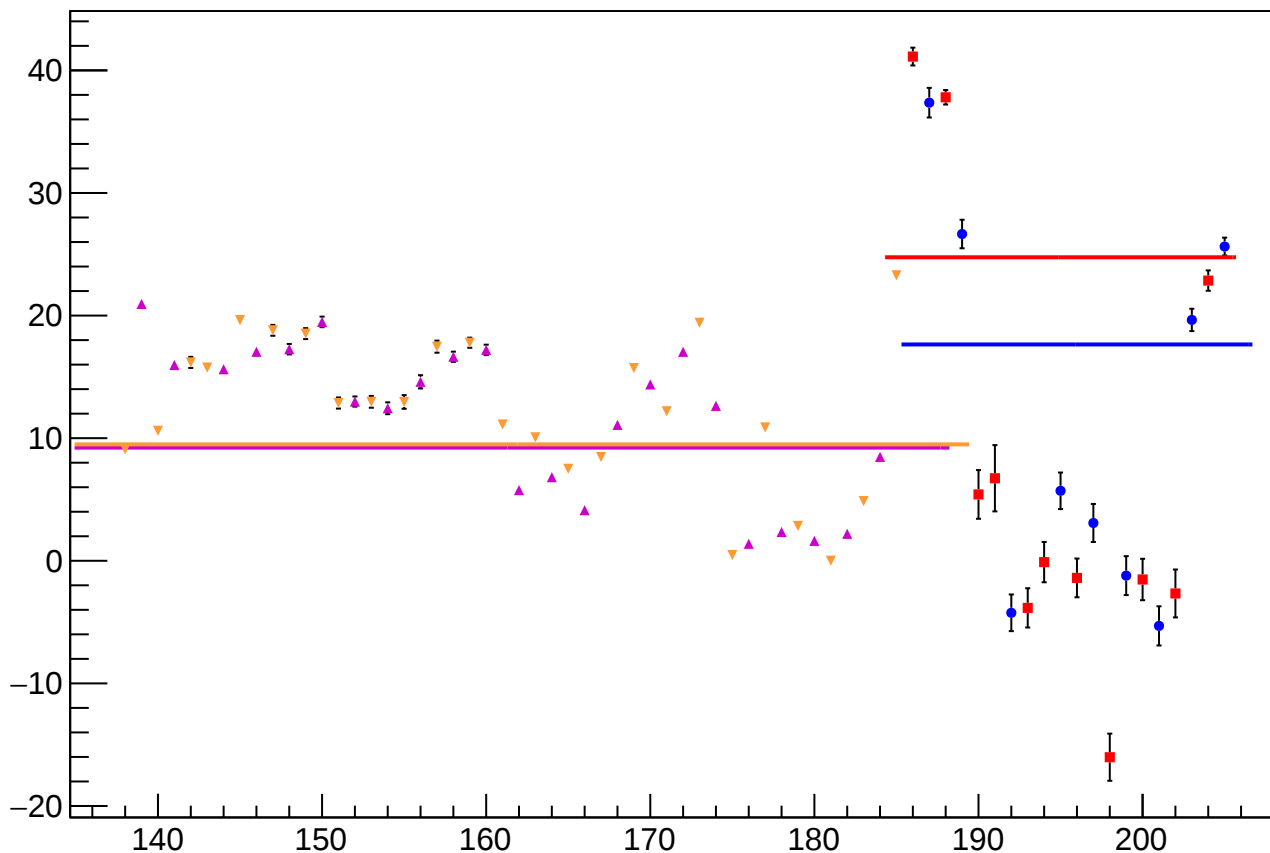
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.231 ± 0.007 χ^2/NDF : 3140.0/50

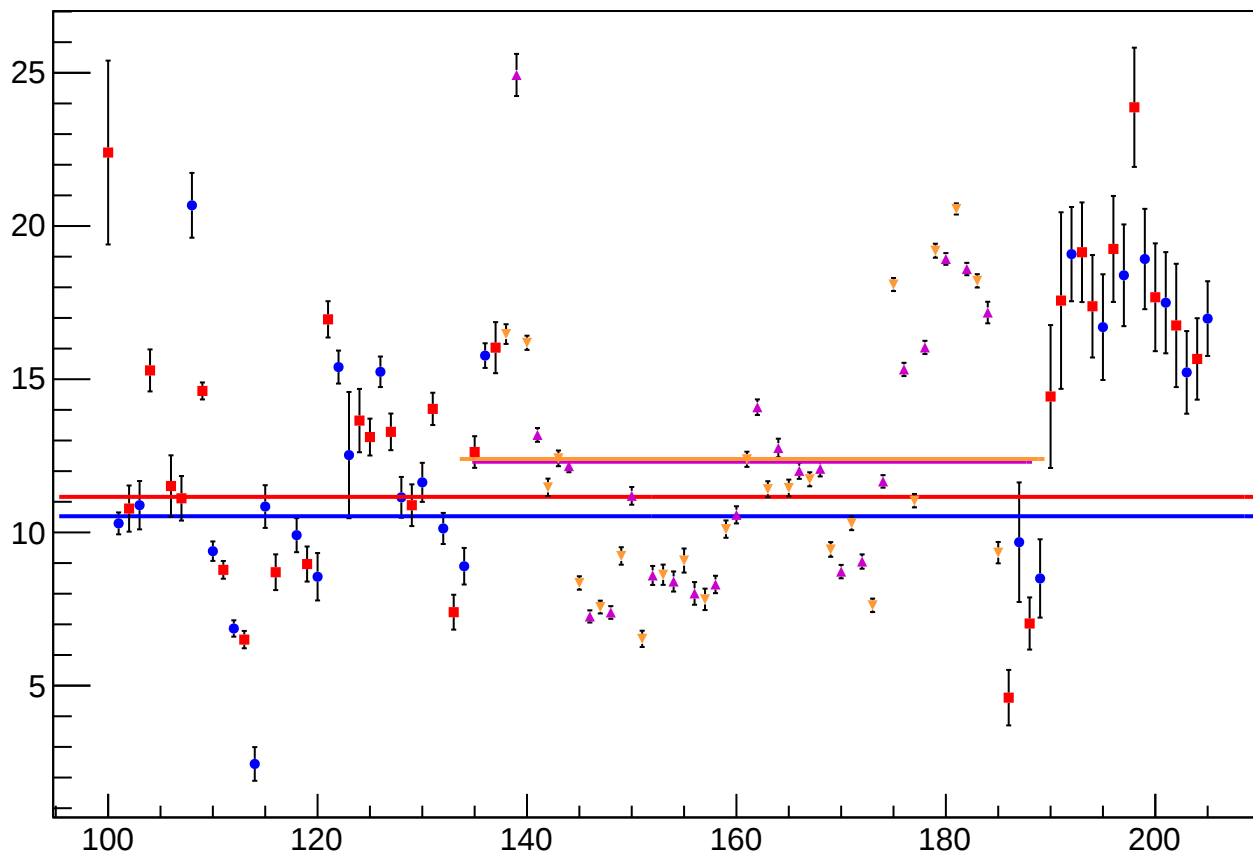
All: -0.223 ± 0.005 χ^2/NDF : 6516.3/103

- sign -0.214 ± 0.007 χ^2/NDF : 3373.1/52

reg_asym_sam7_diff_bpm1X_slope vs Slug



reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.528 ± 0.116 χ^2/NDF : 1024.7/25

Left Out: 12.397 ± 0.050 χ^2/NDF : 7542.8/24

Right Out: 11.161 ± 0.112 χ^2/NDF : 1035.3/29

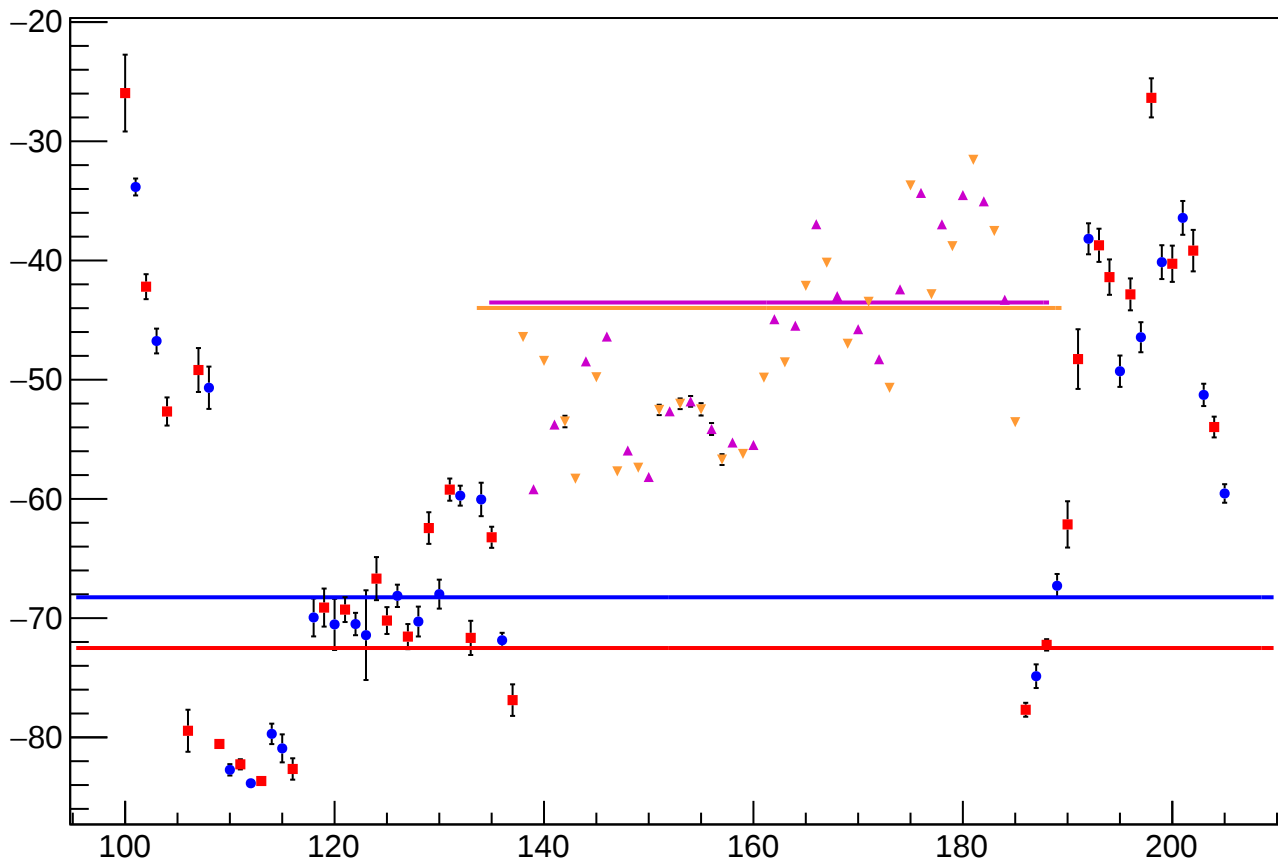
Left In: 12.307 ± 0.051 χ^2/NDF : 5601.8/22

+ sign 12.109 ± 0.046 χ^2/NDF : 8785.6/50

All: 12.109 ± 0.033 χ^2/NDF : 15508.8/103

- sign 12.110 ± 0.047 χ^2/NDF : 6723.1/52

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -68.251 ± 0.174 $\chi^2/\text{NDF}: 8396.6/25$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -72.506 ± 0.154 $\chi^2/\text{NDF}: 7618.5/29$

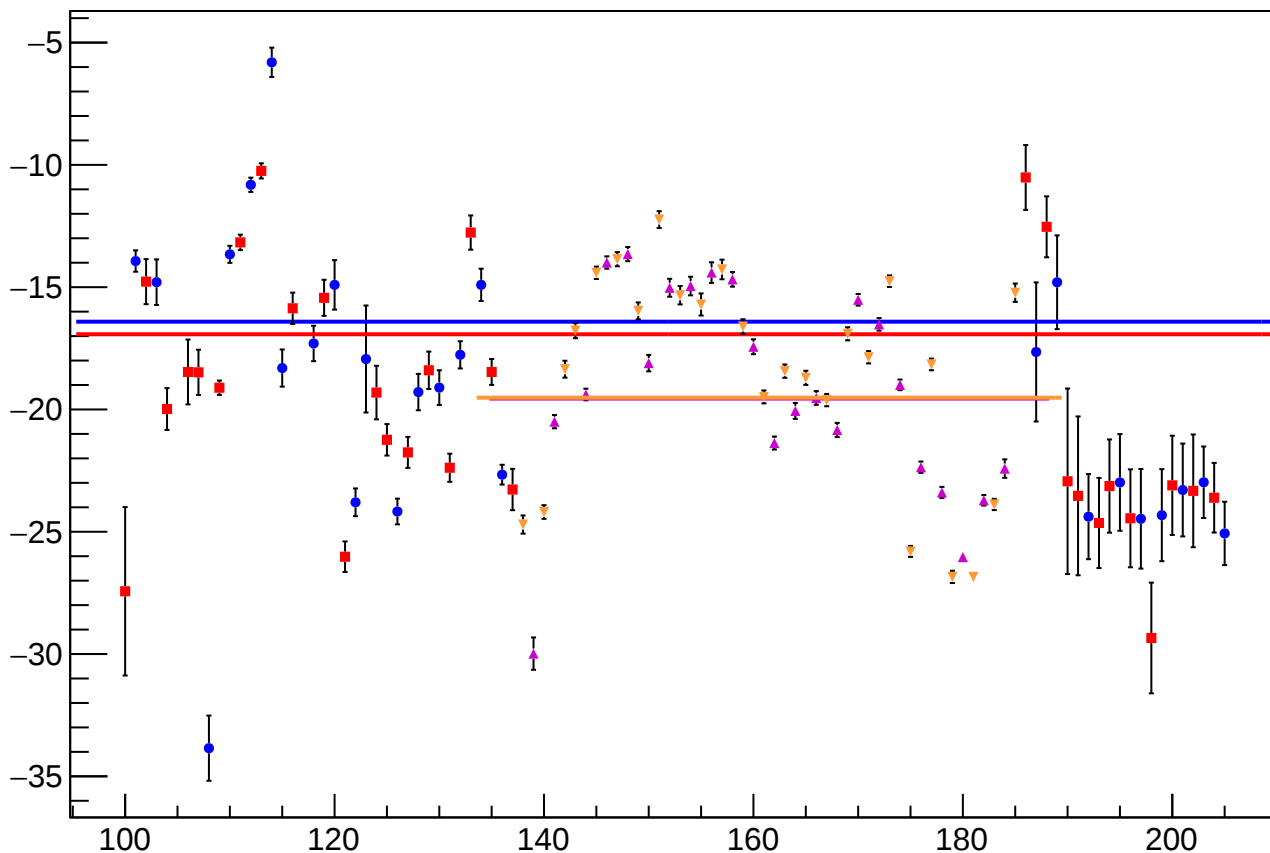
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -46.710 ± 0.058 $\chi^2/\text{NDF}: 43394.0/50$

All: -47.211 ± 0.041 $\chi^2/\text{NDF}: 96739.3/103$

- sign -47.717 ± 0.059 $\chi^2/\text{NDF}: 53197.0/52$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.411 ± 0.130 χ^2/NDF : 1770.9/25

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -16.925 ± 0.125 χ^2/NDF : 1366.4/29

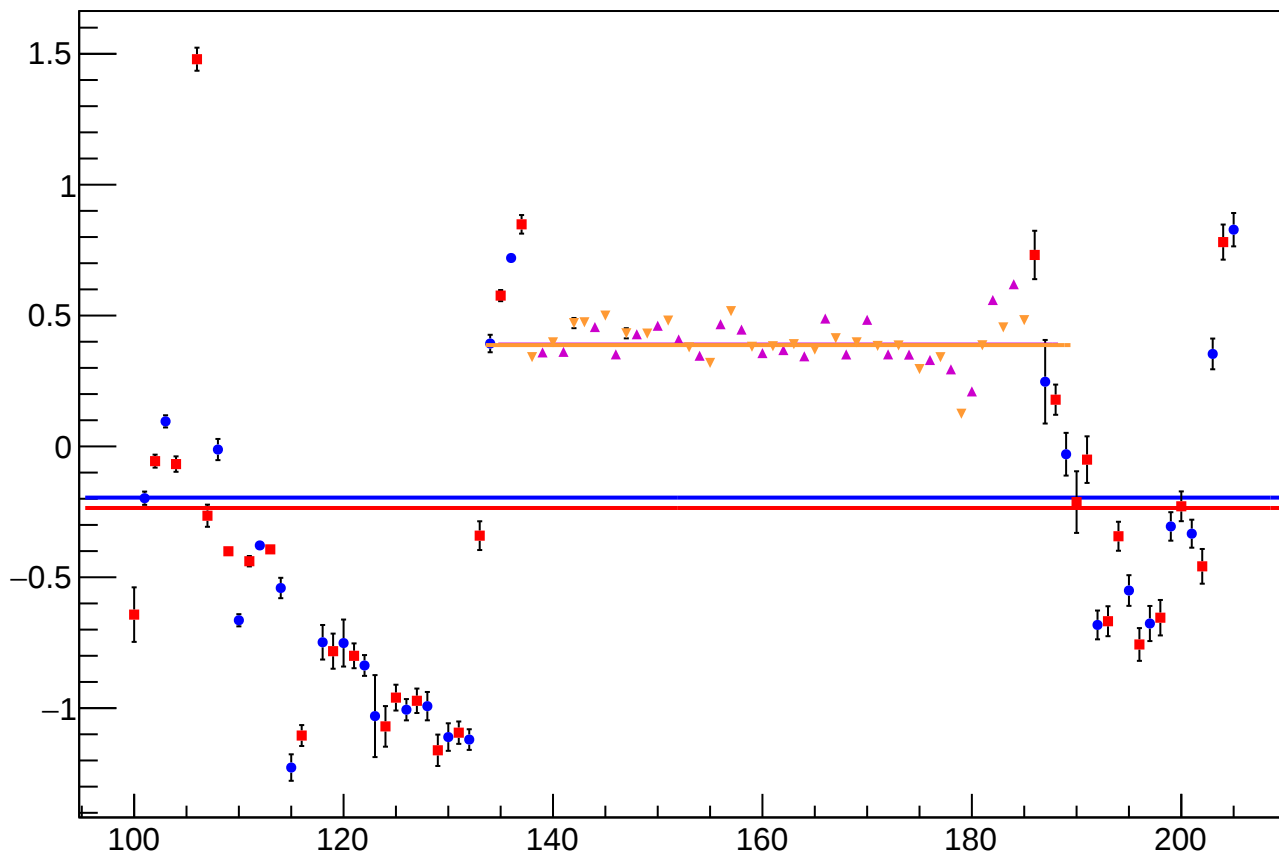
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.032 ± 0.051 χ^2/NDF : 8773.9/50

All: -19.064 ± 0.037 χ^2/NDF : 14818.0/103

- sign -19.098 ± 0.052 χ^2/NDF : 6043.3/52

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.007 $\chi^2/\text{NDF}: 6850.9/25$

Left Out: 0.387 ± 0.003 $\chi^2/\text{NDF}: 995.0/24$

Right Out: -0.235 ± 0.007 $\chi^2/\text{NDF}: 6751.4/29$

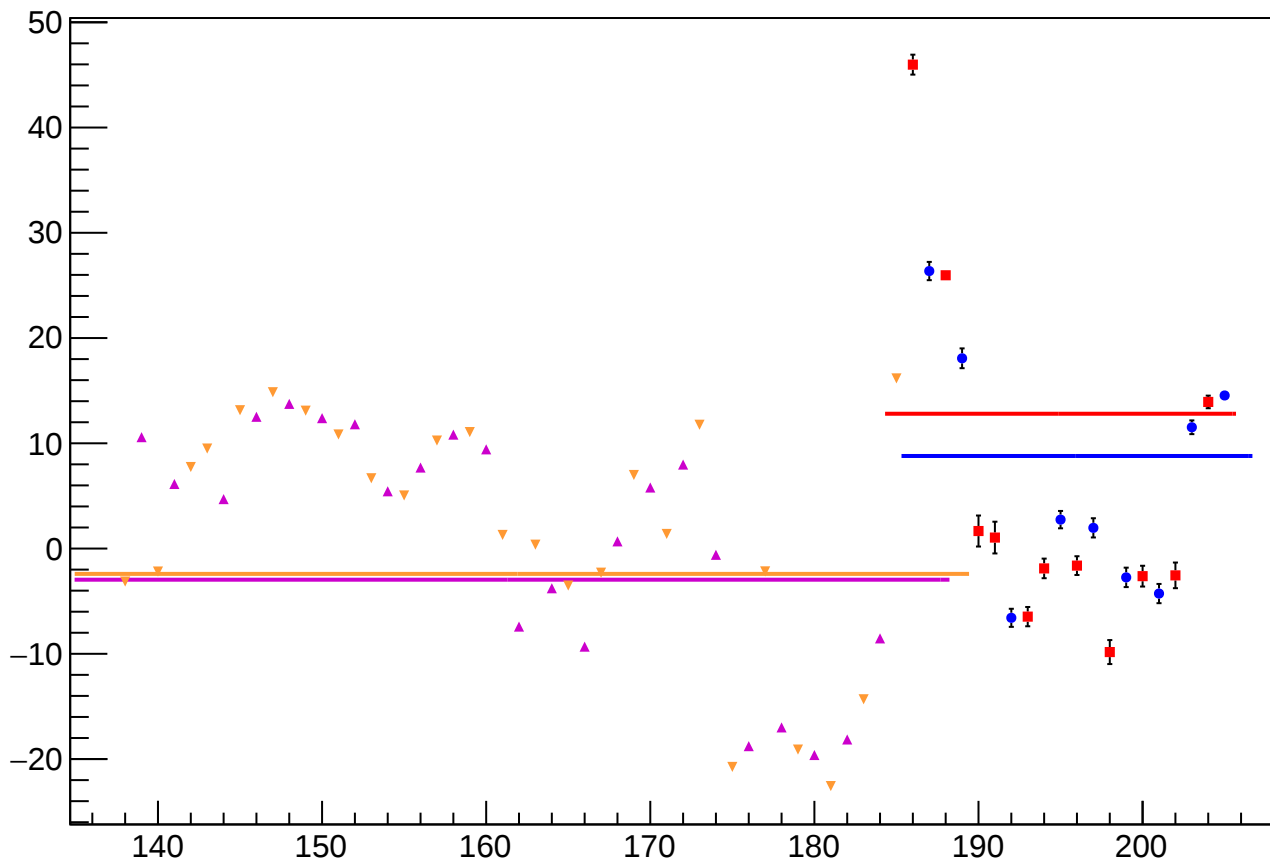
Left In: 0.389 ± 0.003 $\chi^2/\text{NDF}: 1256.9/22$

+ sign 0.320 ± 0.002 $\chi^2/\text{NDF}: 13788.5/50$

All: 0.314 ± 0.002 $\chi^2/\text{NDF}: 29219.7/103$

- sign 0.308 ± 0.002 $\chi^2/\text{NDF}: 15417.6/52$

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 8.795 ± 0.251 χ^2/NDF : 1469.7/8

Left Out: -2.407 ± 0.053 χ^2/NDF : 56368.5/24

Right Out: 12.808 ± 0.247 χ^2/NDF : 4044.6/10

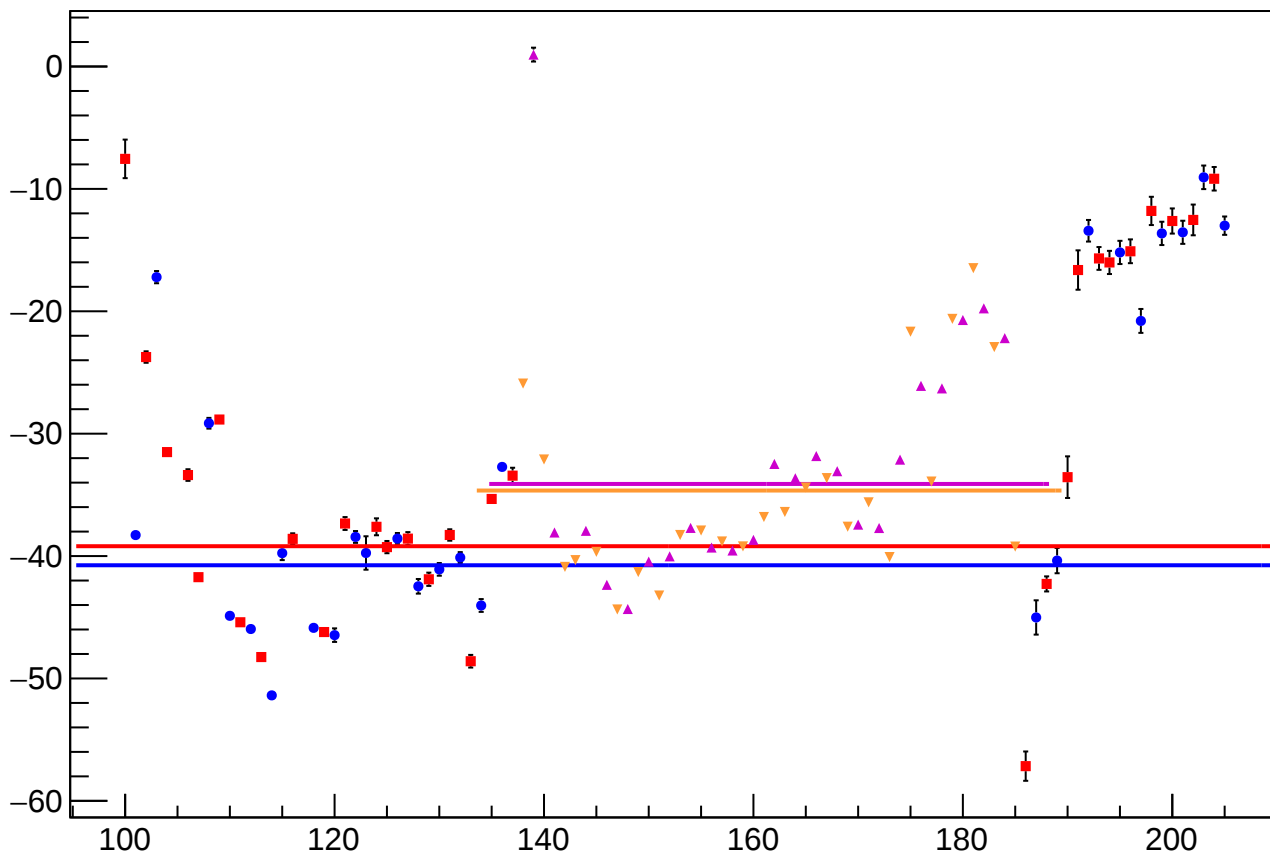
Left In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22

+ sign -1.933 ± 0.052 χ^2/NDF : 59745.6/33

All: -2.071 ± 0.037 χ^2/NDF : 113598.4/67

- sign -2.221 ± 0.054 χ^2/NDF : 53837.9/33

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.751 ± 0.076 $\chi^2/\text{NDF}: 13075.5/25$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -39.195 ± 0.071 $\chi^2/\text{NDF}: 16427.4/29$

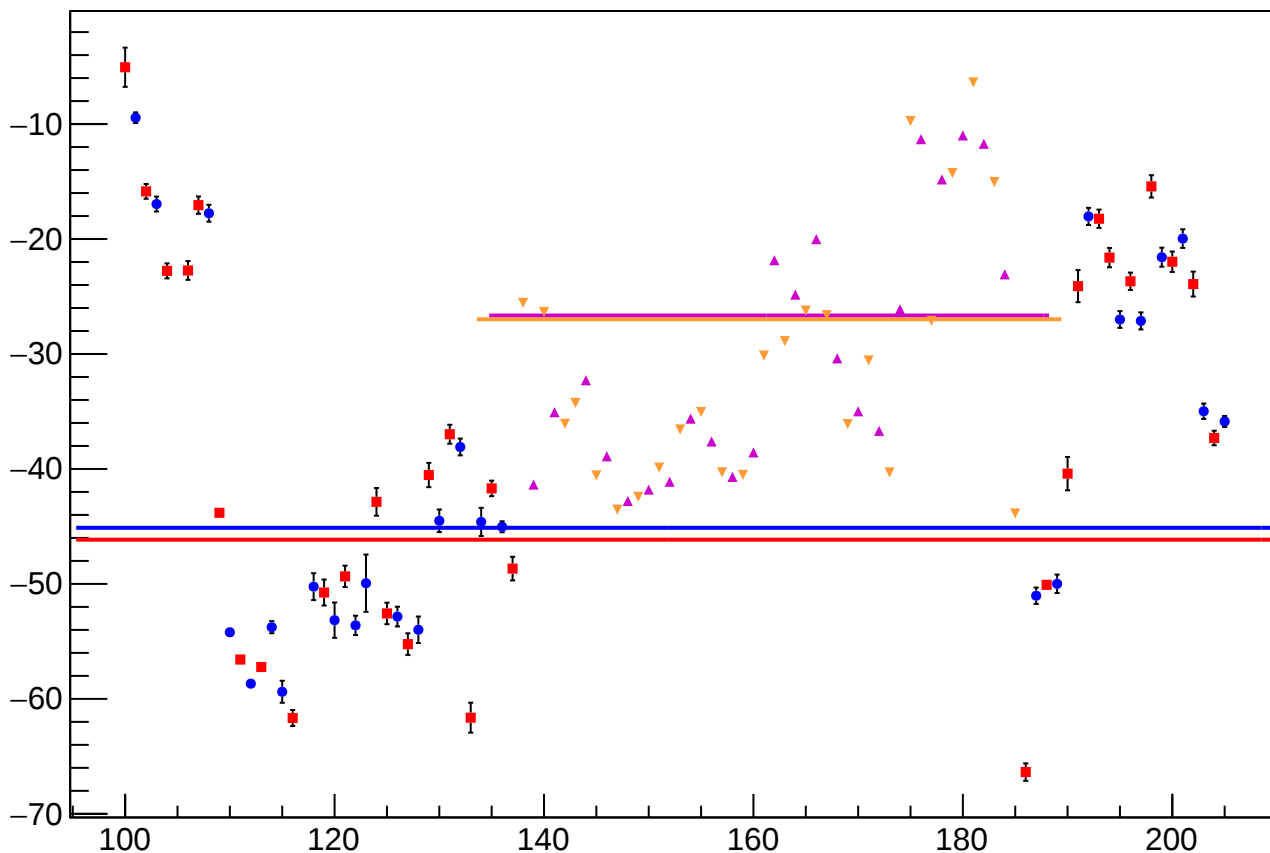
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.066 ± 0.037 $\chi^2/\text{NDF}: 52716.9/50$

All: -35.800 ± 0.026 $\chi^2/\text{NDF}: 102029.3/103$

- sign -35.523 ± 0.037 $\chi^2/\text{NDF}: 49204.8/52$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -45.118 ± 0.110 $\chi^2/\text{NDF}: 20497.4/25$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -46.151 ± 0.096 $\chi^2/\text{NDF}: 18479.4/29$

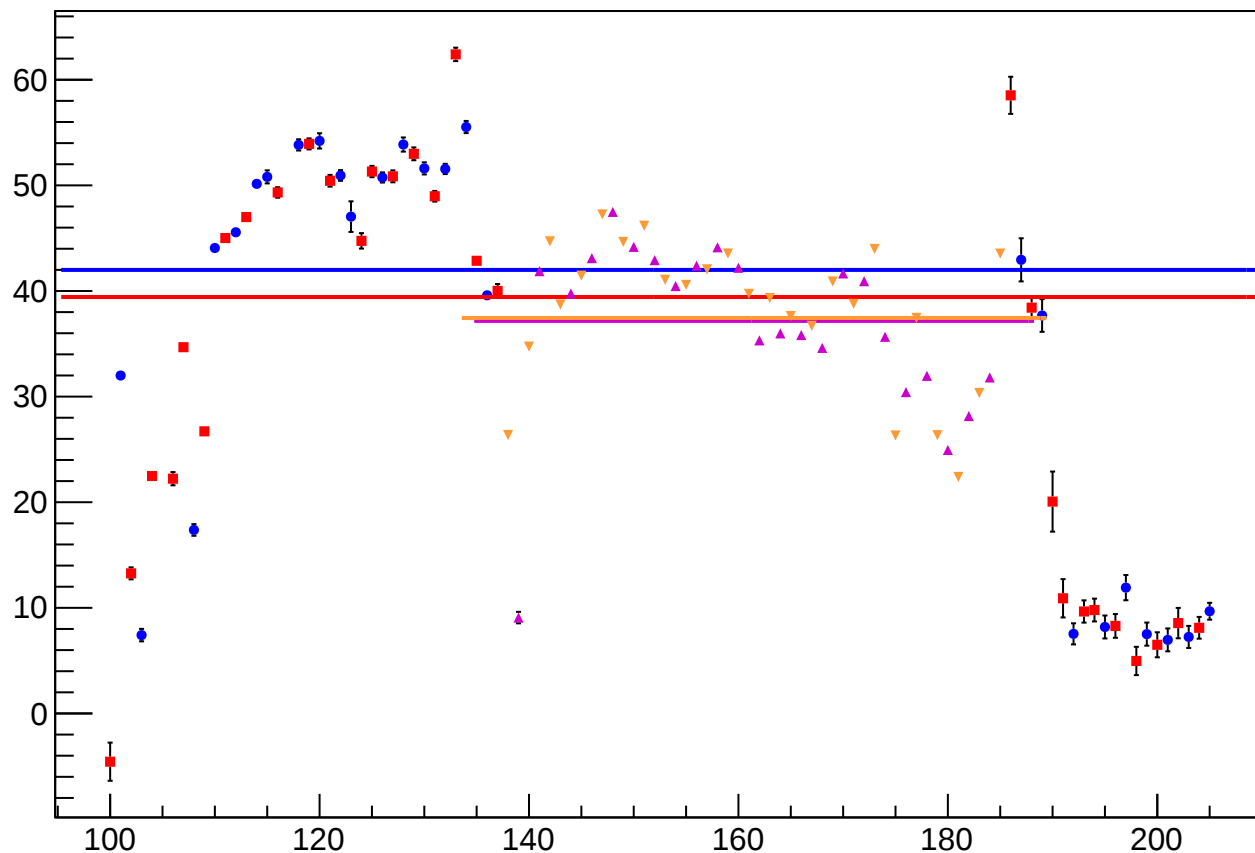
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.419 ± 0.048 $\chi^2/\text{NDF}: 91925.2/50$

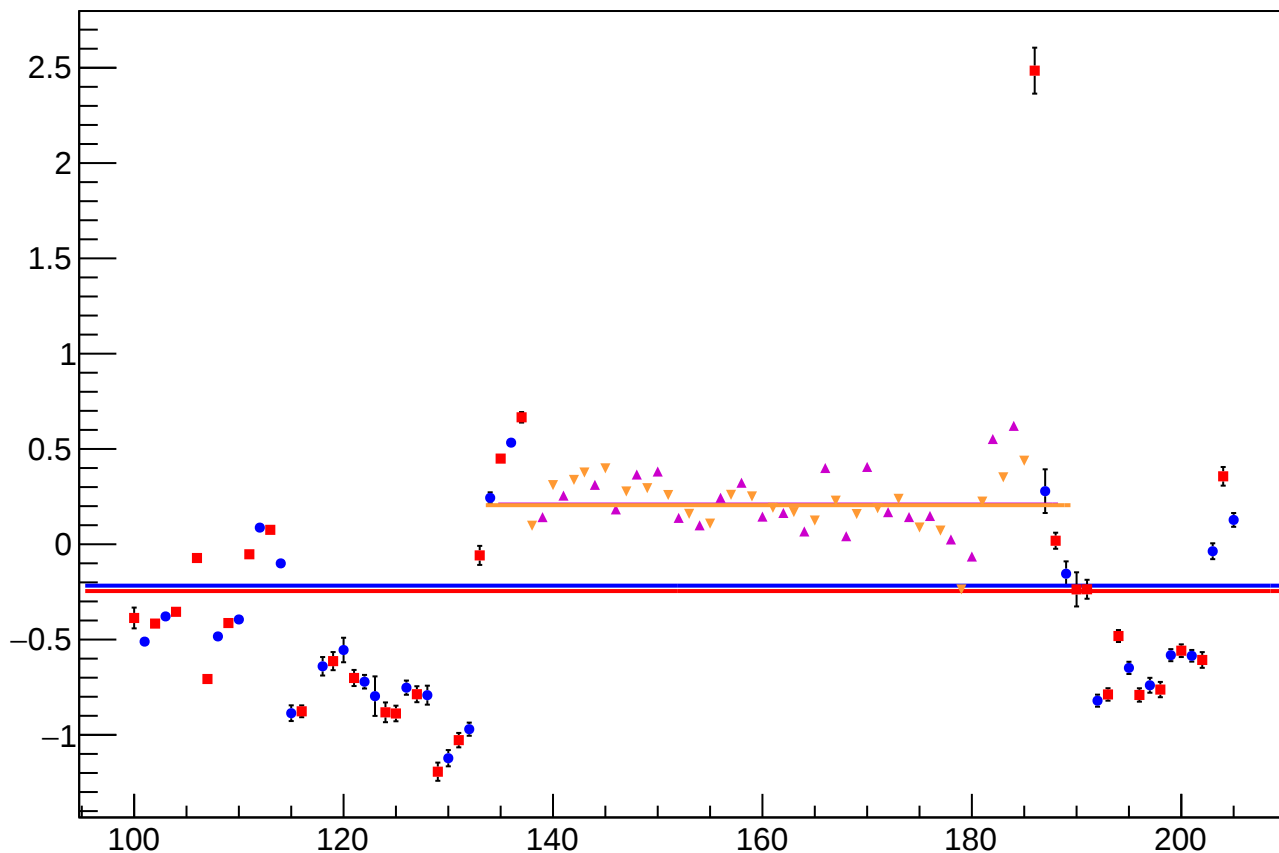
All: -30.942 ± 0.034 $\chi^2/\text{NDF}: 183800.5/103$

- sign -31.460 ± 0.048 $\chi^2/\text{NDF}: 91637.9/52$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.217 ± 0.005 χ^2/NDF : 8552.9/25

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.246 ± 0.004 χ^2/NDF : 9060.3/29

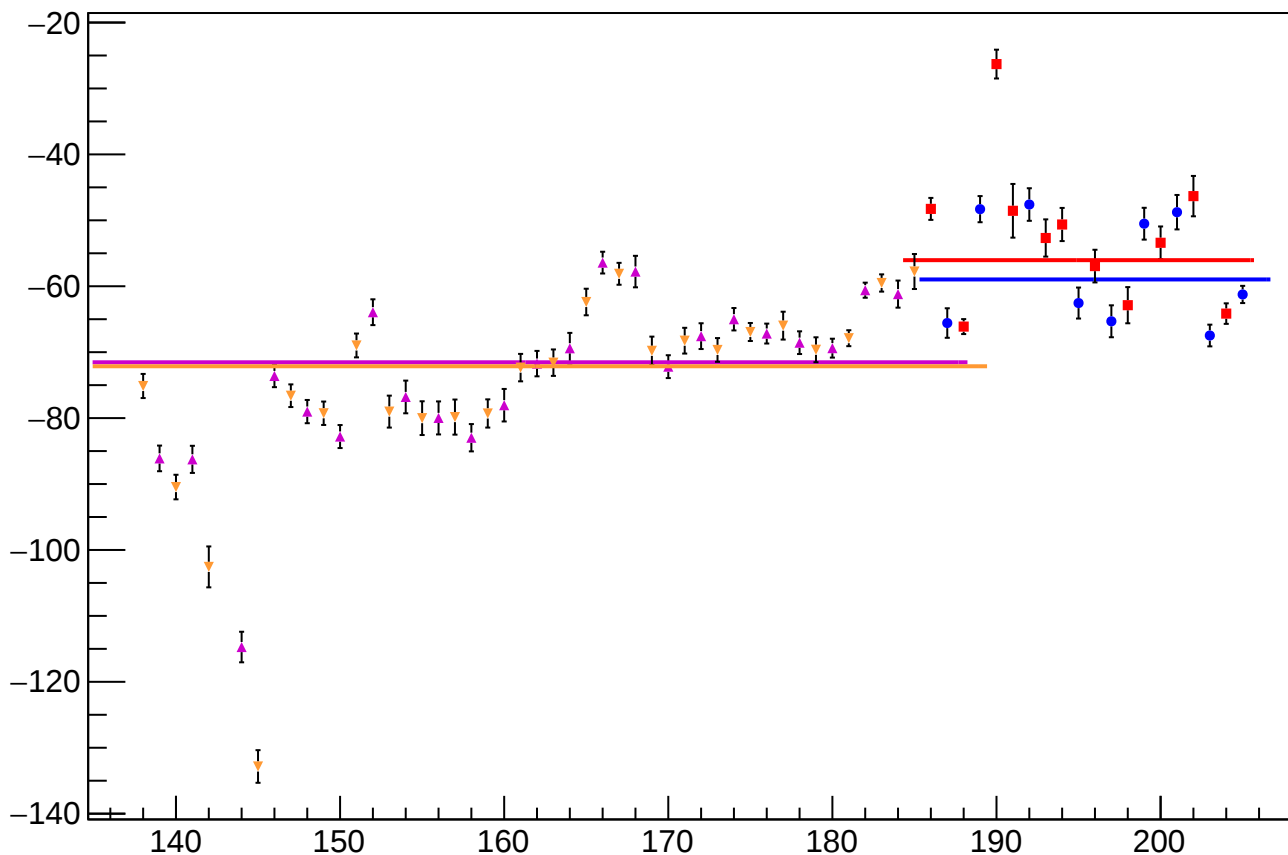
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.126 ± 0.002 χ^2/NDF : 19458.6/50

All: 0.114 ± 0.001 χ^2/NDF : 43230.2/103

- sign 0.102 ± 0.002 χ^2/NDF : 23700.7/52

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -58.969 ± 0.668 χ^2/NDF : 125.2/8

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -56.043 ± 0.612 χ^2/NDF : 339.8/10

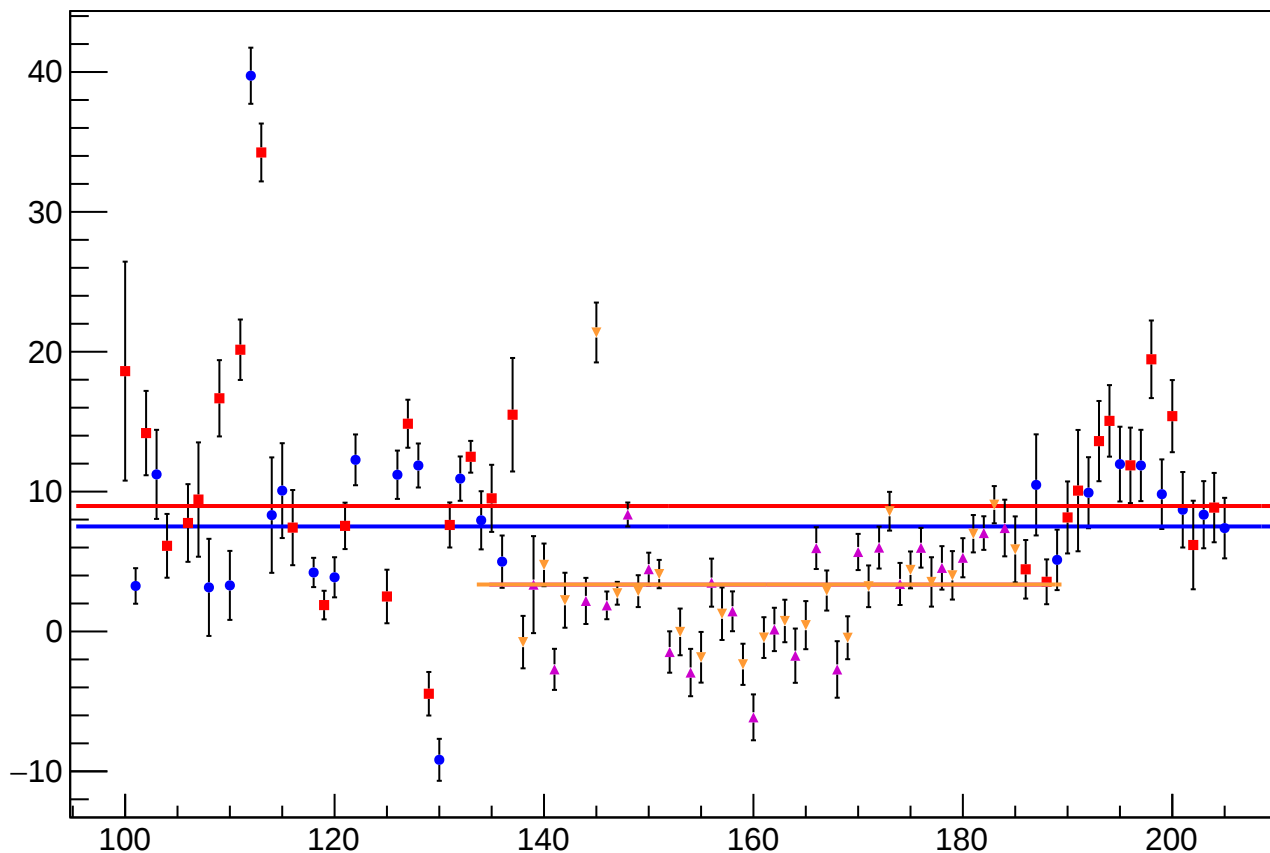
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -68.879 ± 0.332 χ^2/NDF : 1539.3/32

All: -68.018 ± 0.232 χ^2/NDF : 3204.8/66

- sign -67.198 ± 0.324 χ^2/NDF : 1652.3/33

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.508 ± 0.390 χ^2/NDF : 450.9/24

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 8.969 ± 0.385 χ^2/NDF : 396.8/28

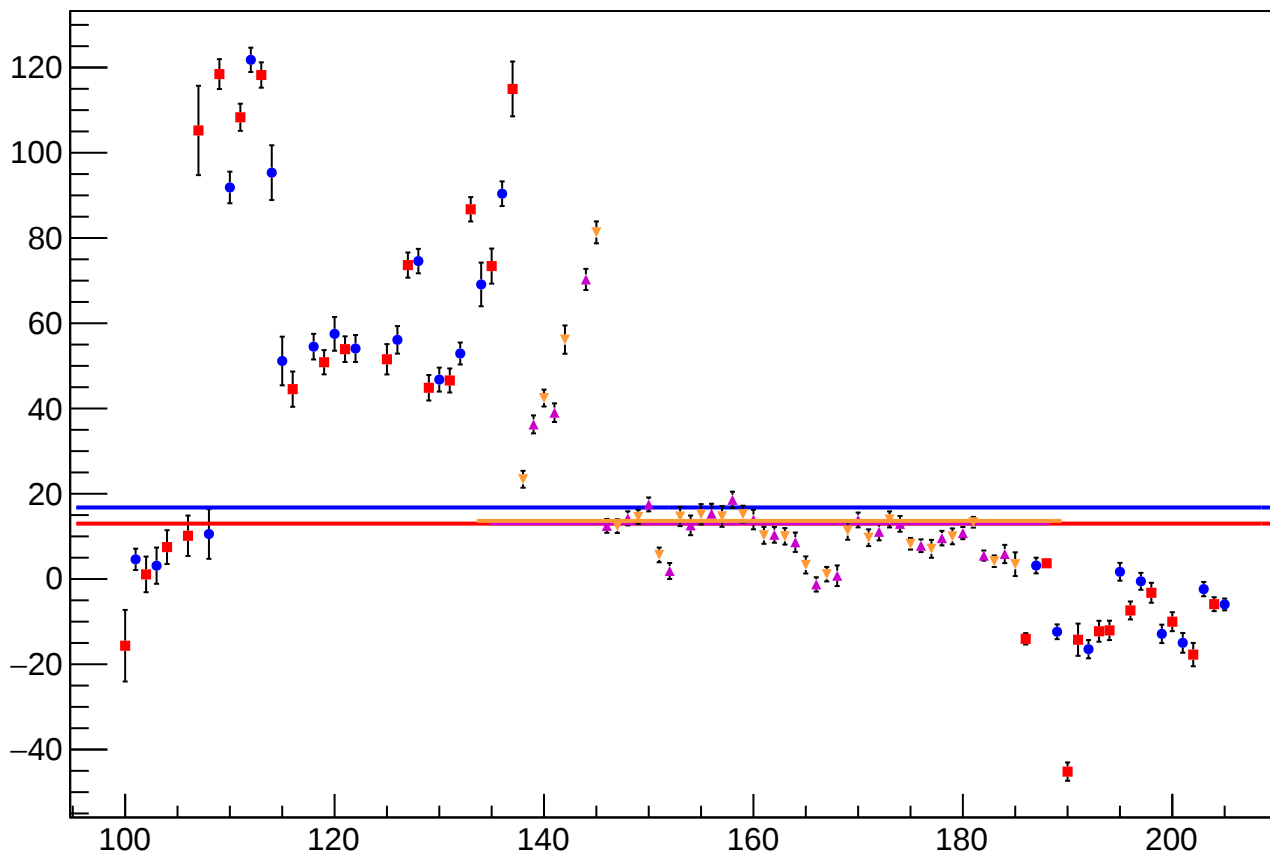
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.868 ± 0.235 χ^2/NDF : 690.8/48

All: 5.161 ± 0.166 χ^2/NDF : 1387.4/100

- sign 5.456 ± 0.236 χ^2/NDF : 693.5/51

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 16.782 $\pm$ 0.498 χ^2 /NDF: 5489.1/24

Left Out: 13.632 $\pm$ 0.382 χ^2 /NDF:1300.0/23

Right Out: 12.999 $\pm$ 0.451 χ^2 /NDF: 7530.4/28

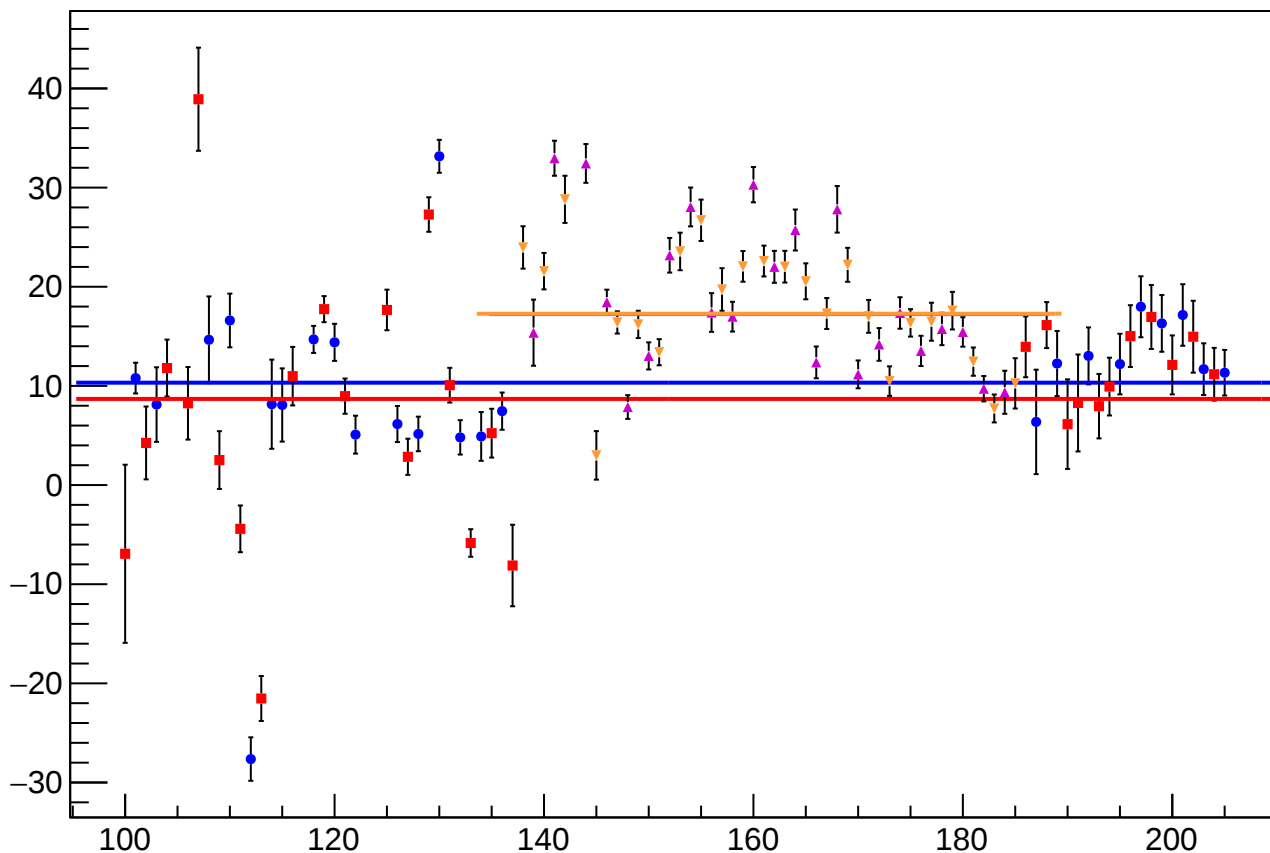
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 14.798 $\pm$ 0.303 χ^2 /NDF: 6814.3/48

All: 13.878 $\pm$ 0.210 χ^2 /NDF: 15387.0/100

- sign 13.033 $\pm$ 0.290 χ^2 /NDF: 8555.1/51

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.325 $\pm$ 0.452 χ^2/NDF : 567.9/24

Left Out: 17.280 $\pm$ 0.337 χ^2/NDF : 243.9/23

Right Out: 8.686 $\pm$ 0.453 χ^2/NDF : 602.1/28

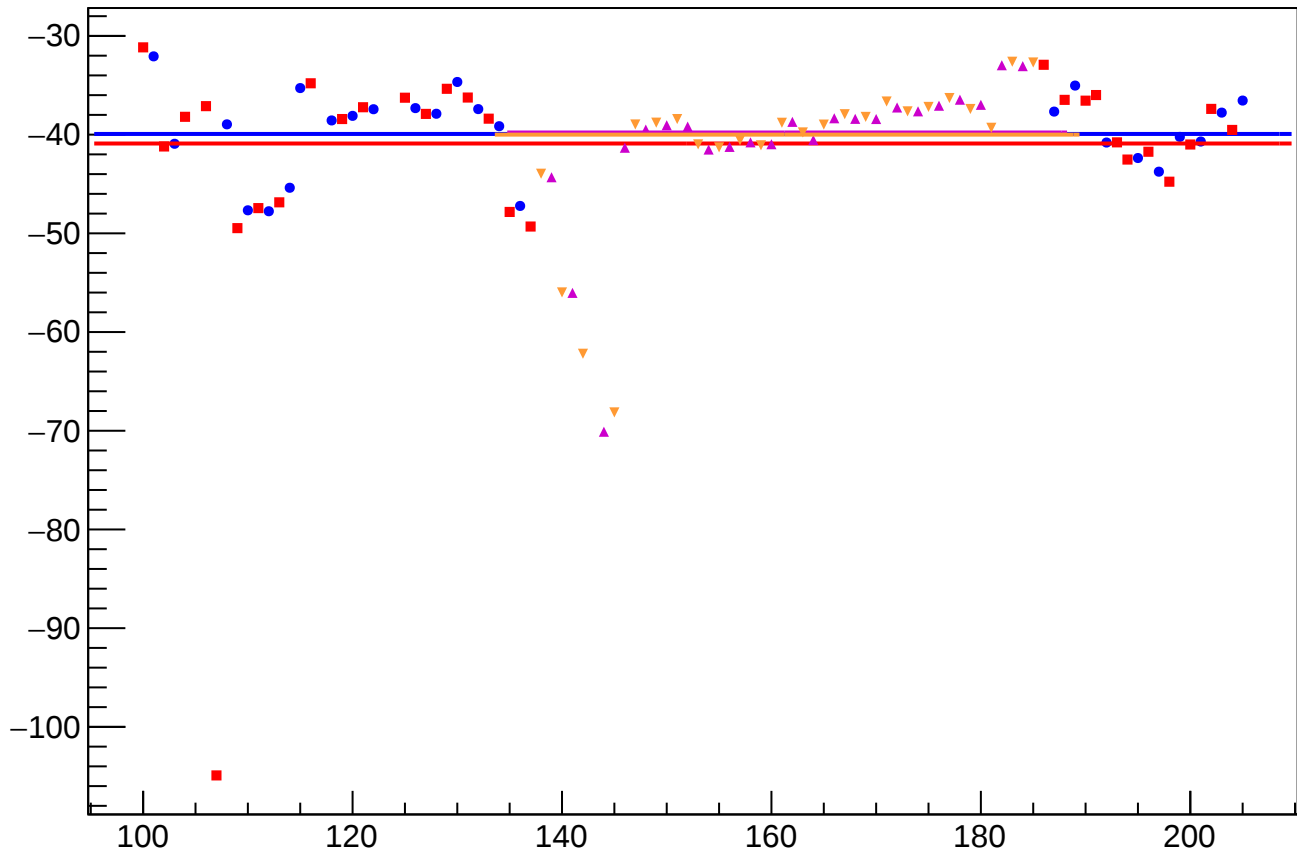
Left In: 17.245 $\pm$ 0.339 χ^2/NDF : 440.8/22

+ sign 14.791 $\pm$ 0.270 χ^2/NDF : 964.1/48

All: 14.479 $\pm$ 0.191 χ^2/NDF : 2238.5/100

- sign 14.164 $\pm$ 0.272 χ^2/NDF : 1271.8/51

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.931 ± 0.023 χ^2/NDF : 31363.0/24

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.899 ± 0.022 χ^2/NDF : 103796.6/28

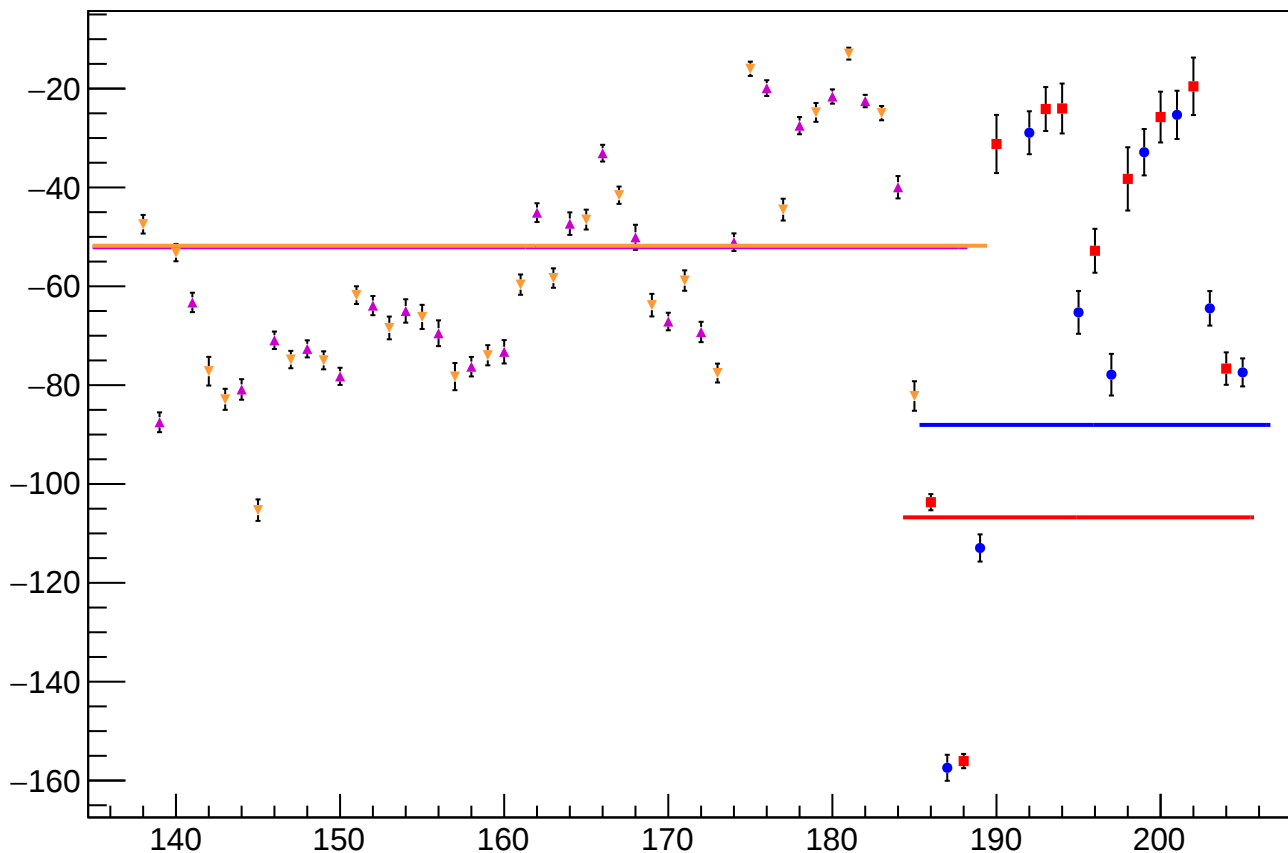
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.978 ± 0.013 χ^2/NDF : 203632.8/48

All: -40.065 ± 0.009 χ^2/NDF : 453680.8/100

- sign -40.151 ± 0.013 χ^2/NDF : 249957.9/51

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -88.046 ± 1.168 χ^2/NDF : 1358.5/8

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -106.749 ± 0.910 χ^2/NDF : 2764.4/9

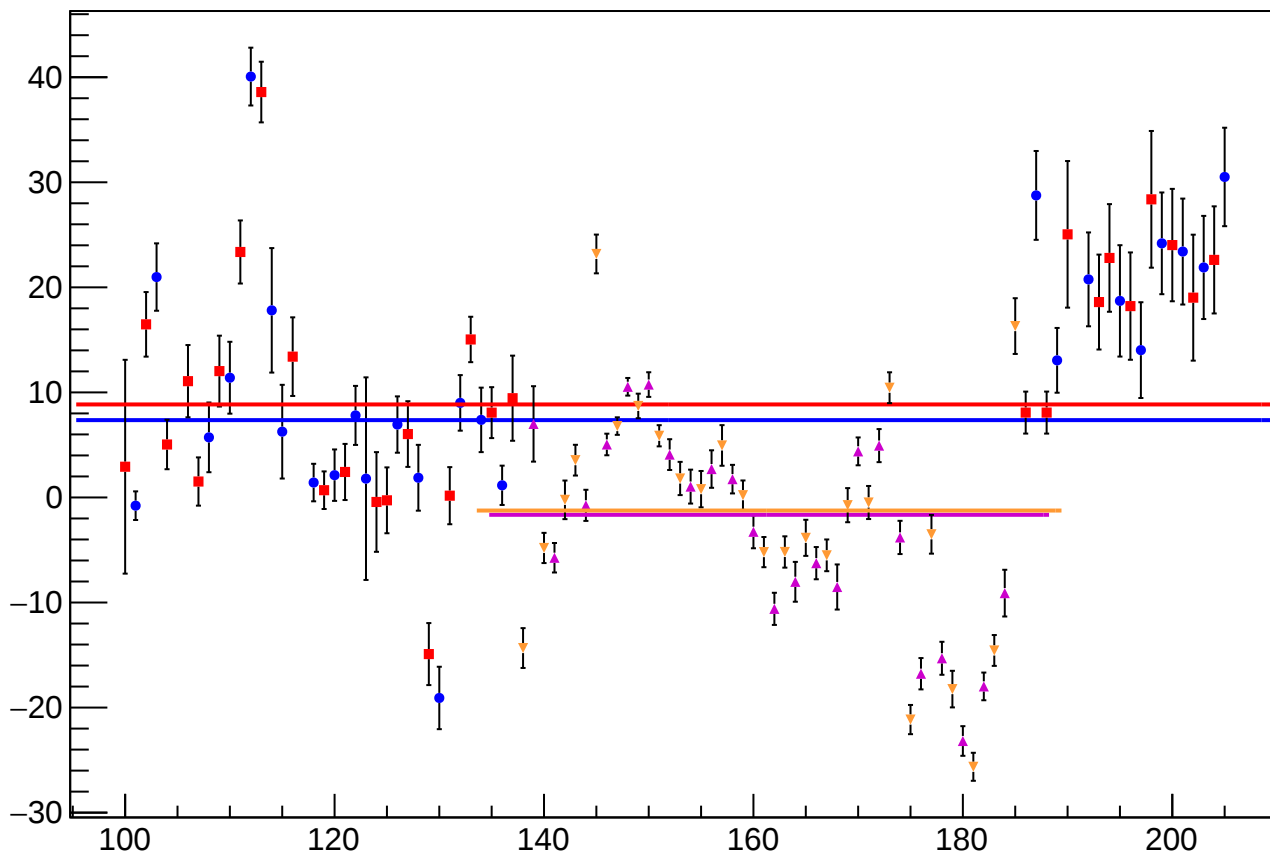
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -55.301 ± 0.364 χ^2/NDF : 6393.7/33

All: -57.964 ± 0.255 χ^2/NDF : 15594.4/66

- sign -60.537 ± 0.357 χ^2/NDF : 9095.2/32

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 7.361 ± 0.578 $\chi^2/\text{NDF}: 409.6/25$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 8.854 ± 0.565 $\chi^2/\text{NDF}: 323.0/28$

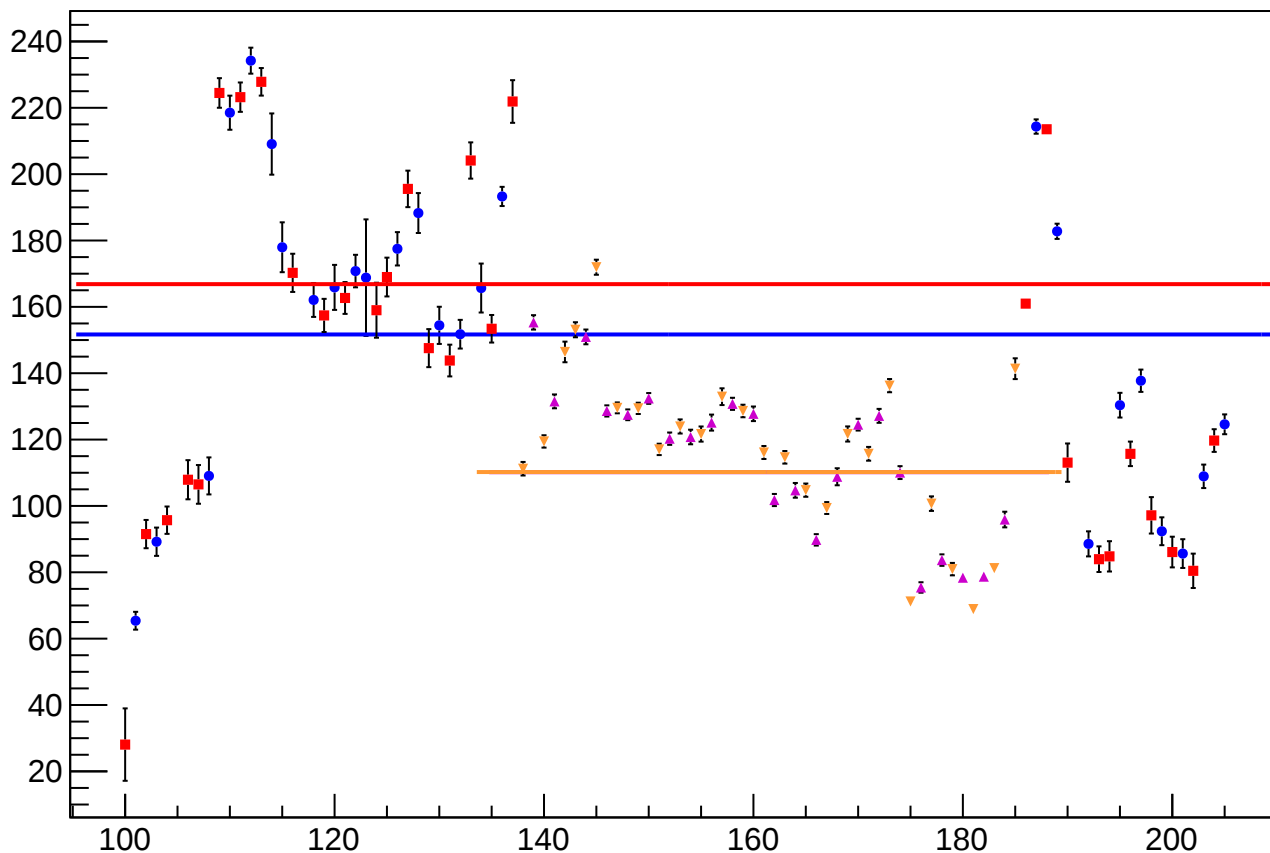
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.503 ± 0.260 $\chi^2/\text{NDF}: 1909.0/50$

All: 0.580 ± 0.186 $\chi^2/\text{NDF}: 3593.6/102$

- sign 0.659 ± 0.265 $\chi^2/\text{NDF}: 1684.5/51$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 151.681 ± 0.769 $\chi^2/\text{NDF}: 4282.2/25$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 166.848 ± 0.636 $\chi^2/\text{NDF}: 5355.4/28$

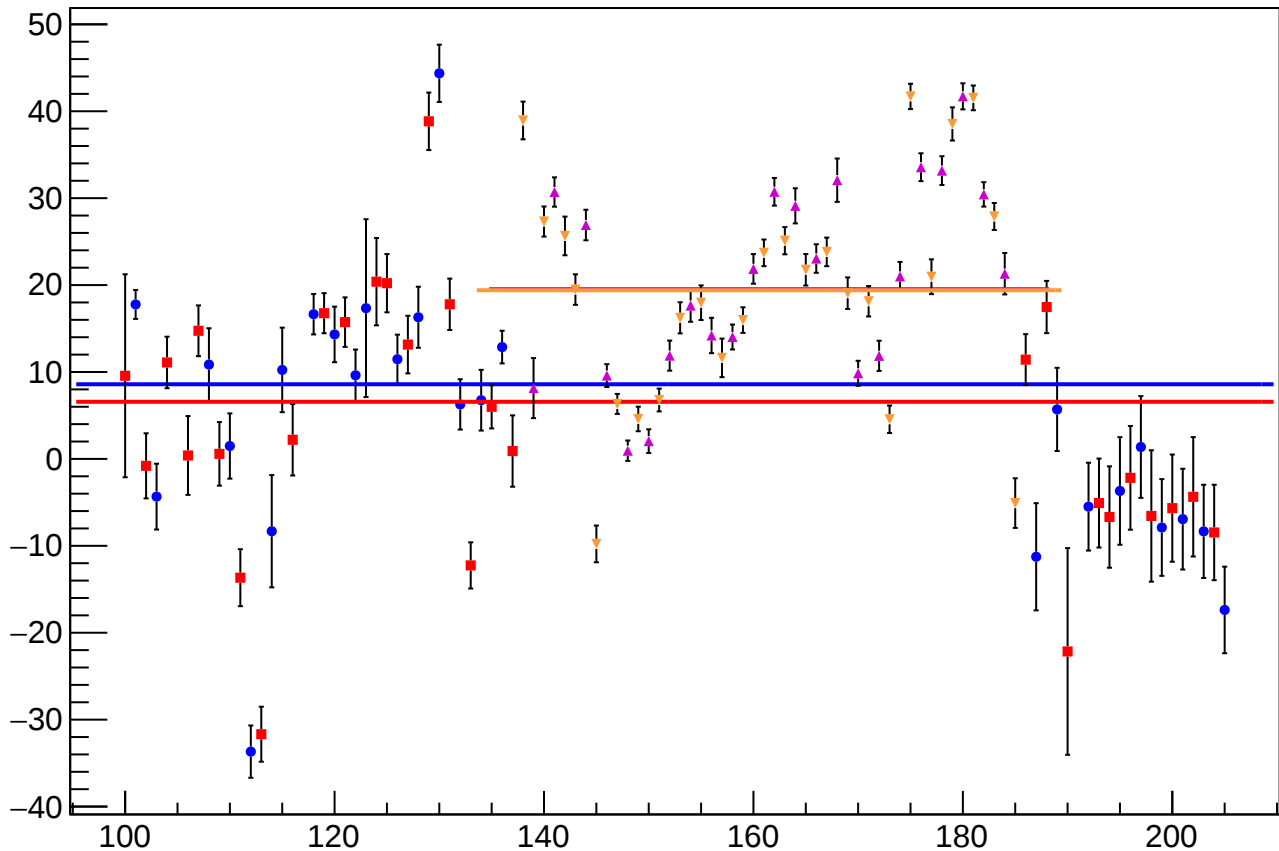
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 118.419 ± 0.342 $\chi^2/\text{NDF}: 11207.4/50$

All: 122.047 ± 0.238 $\chi^2/\text{NDF}: 26283.9/102$

- sign 125.421 ± 0.330 $\chi^2/\text{NDF}: 14859.5/51$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 8.589 ± 0.670 χ^2/NDF : 473.2/25

Left Out: 19.405 ± 0.335 χ^2/NDF : 1453.4/24

Right Out: 6.572 ± 0.672 χ^2/NDF : 474.9/28

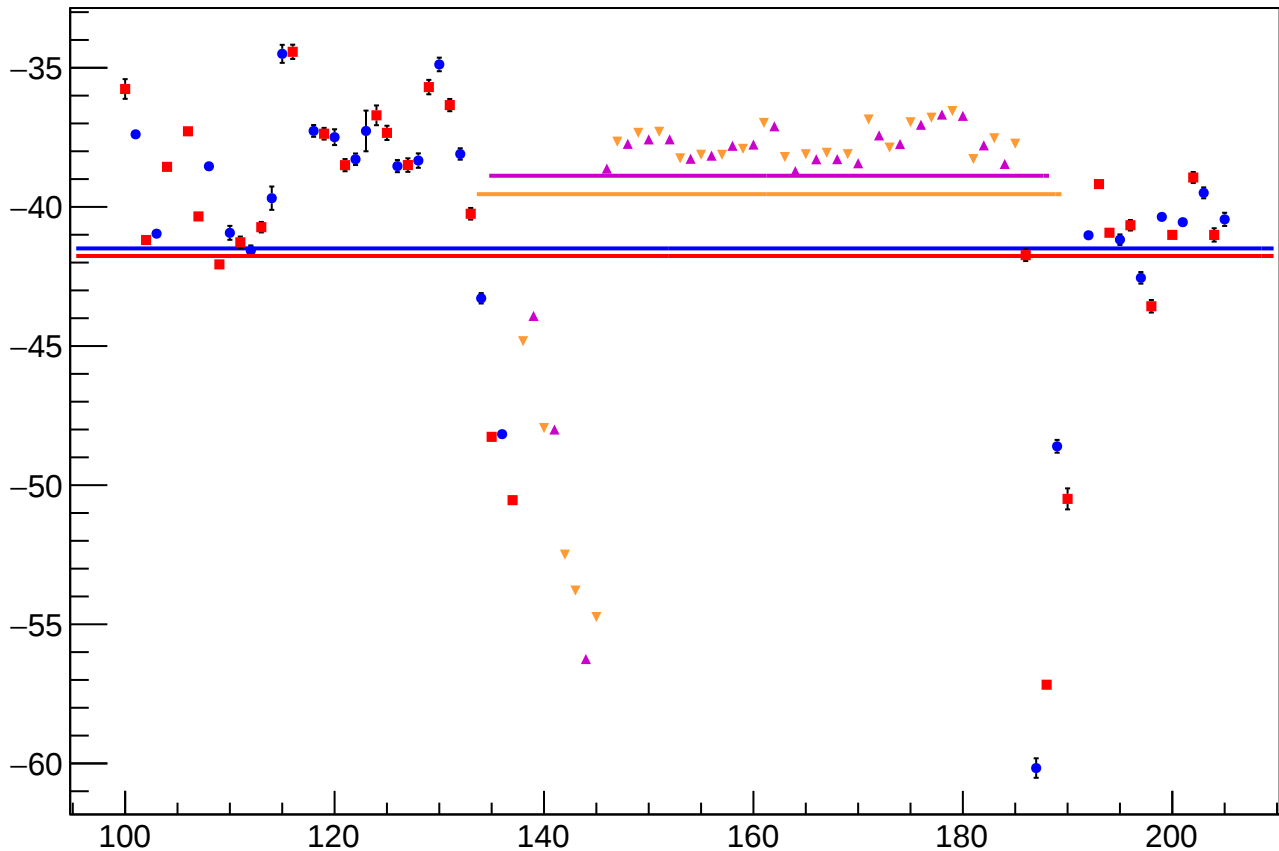
Left In: 19.530 ± 0.342 χ^2/NDF : 1181.3/22

+ sign 17.245 ± 0.299 χ^2/NDF : 2135.1/50

All: 17.057 ± 0.214 χ^2/NDF : 4087.1/102

- sign 16.861 ± 0.305 χ^2/NDF : 1951.2/51

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.492 ± 0.033 $\chi^2/\text{NDF}: 16568.2/25$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.763 ± 0.033 $\chi^2/\text{NDF}: 22862.3/28$

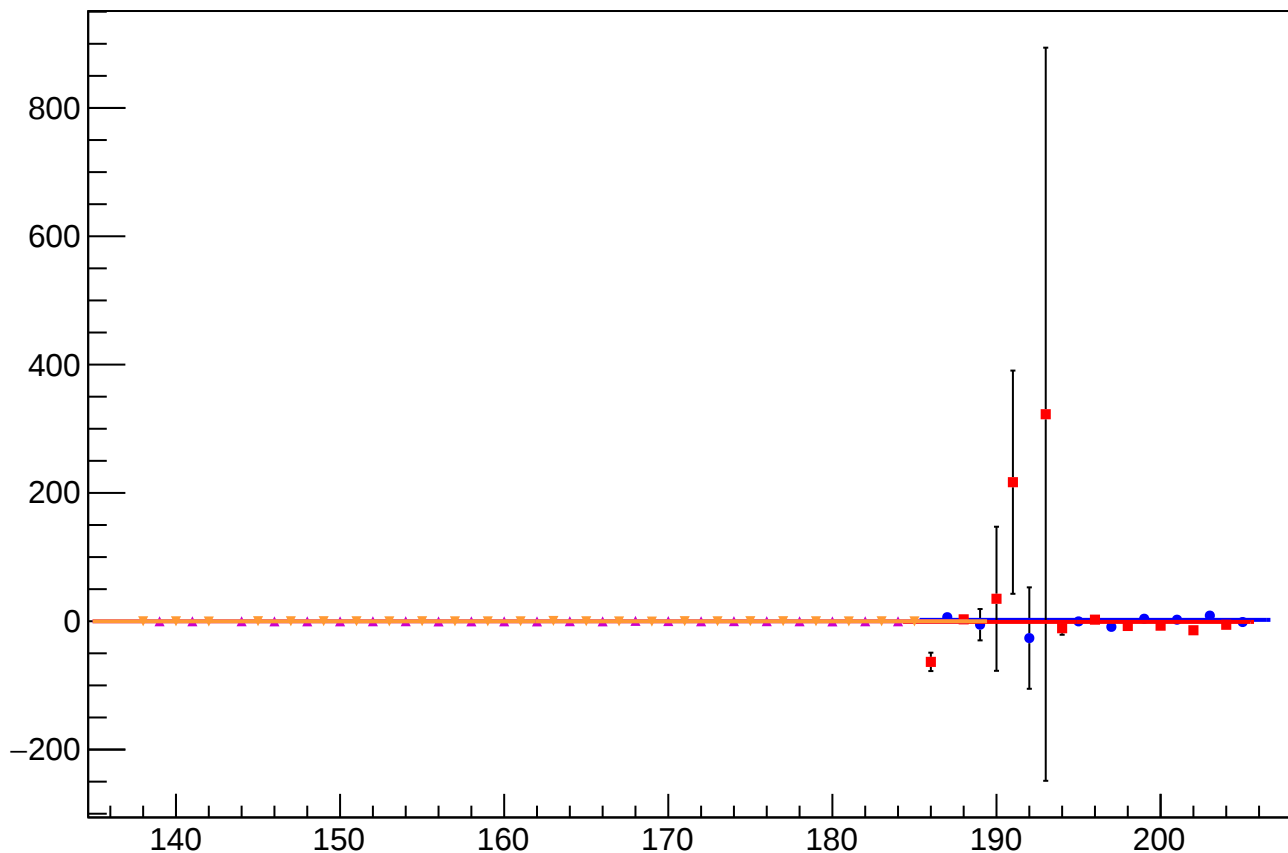
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.899 ± 0.014 $\chi^2/\text{NDF}: 111408.6/50$

All: -39.665 ± 0.010 $\chi^2/\text{NDF}: 194520.2/102$

- sign -39.429 ± 0.014 $\chi^2/\text{NDF}: 82567.1/51$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 2.148 $\pm$ 1.637 χ^2 /NDF: 10.8/8

Left Out: -0.089 $\pm$ 0.022 χ^2 /NDF: 39.7/23

Right Out: -1.047 $\pm$ 1.513 χ^2 /NDF: 32.5/10

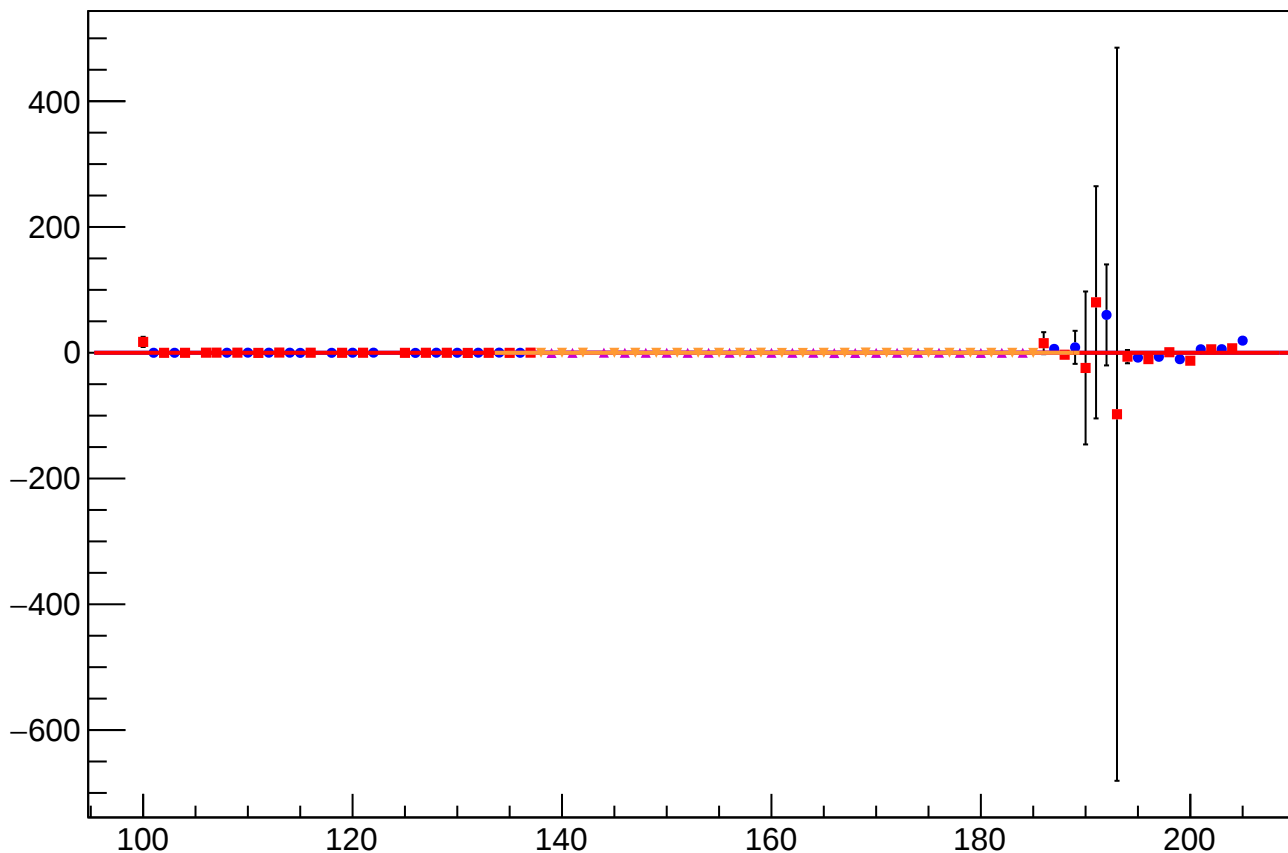
Left In: -0.026 $\pm$ 0.022 χ^2 /NDF: 33.3/22

+ sign -0.088 $\pm$ 0.022 χ^2 /NDF: 52.3/32

All: -0.057 $\pm$ 0.016 χ^2 /NDF: 122.6/66

- sign -0.026 $\pm$ 0.022 χ^2 /NDF: 66.3/33

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 31.8/24

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.051 ± 0.029 χ^2/NDF : 36.4/28

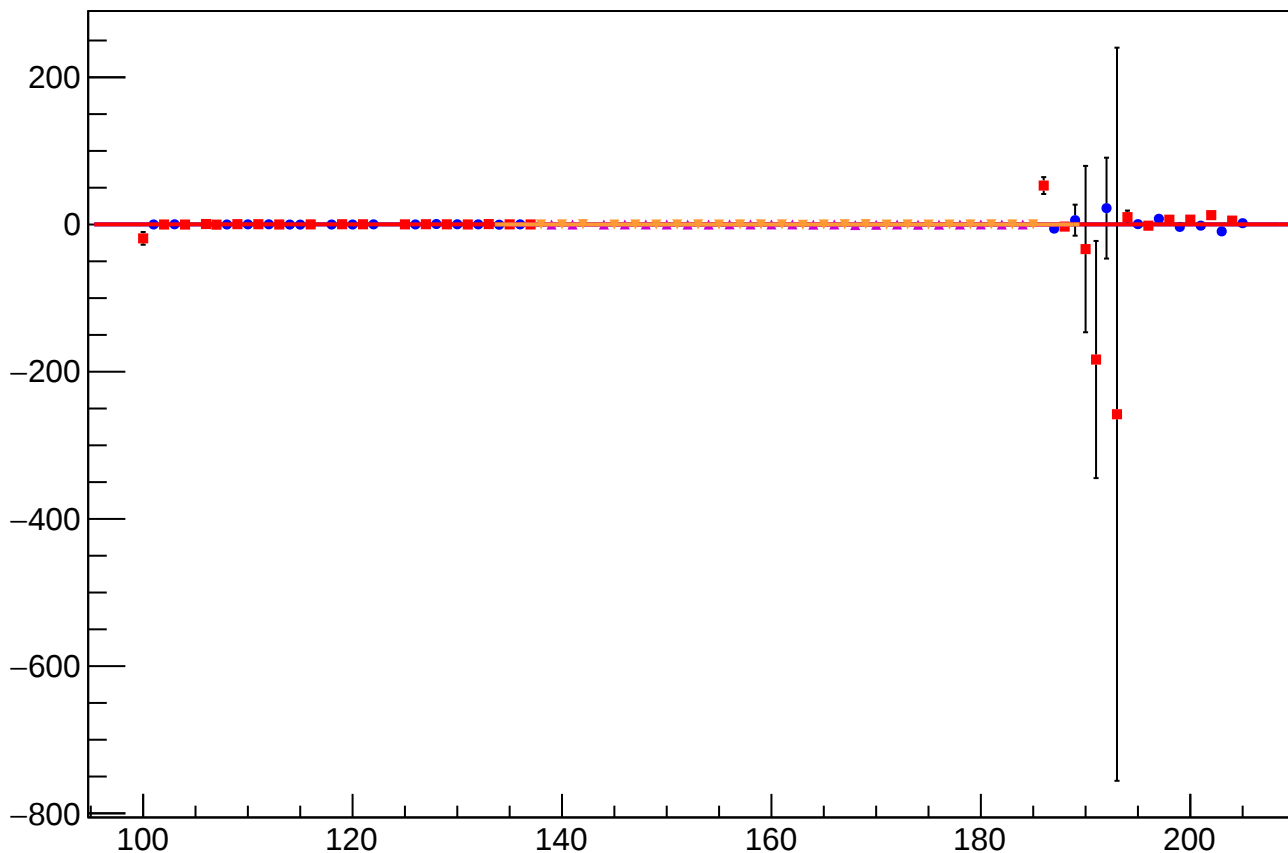
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 63.3/48

All: -0.056 ± 0.011 χ^2/NDF : 131.6/100

- sign -0.052 ± 0.015 χ^2/NDF : 68.2/51

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 $\pm$ 0.053 χ^2 /NDF: 27.0/24

Left Out: 0.081 $\pm$ 0.022 χ^2 /NDF: 38.4/23

Right Out: 0.236 $\pm$ 0.054 χ^2 /NDF: 56.9/28

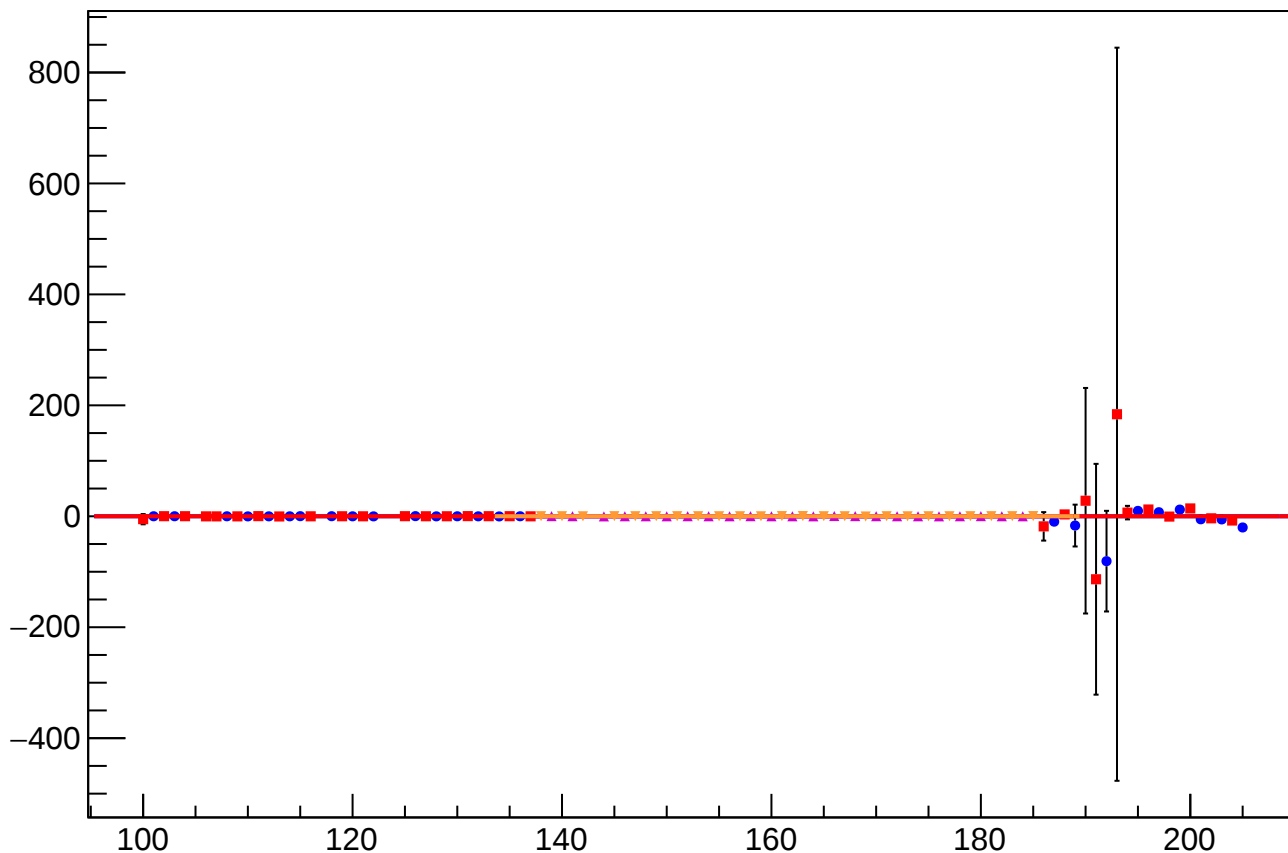
Left In: 0.020 $\pm$ 0.022 χ^2 /NDF: 35.6/22

+ sign 0.095 $\pm$ 0.020 χ^2 /NDF: 67.9/48

All: 0.073 $\pm$ 0.014 χ^2 /NDF: 176.4/100

- sign 0.051 $\pm$ 0.021 χ^2 /NDF: 106.2/51

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 33.4/24

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.058 ± 0.034 χ^2/NDF : 30.3/28

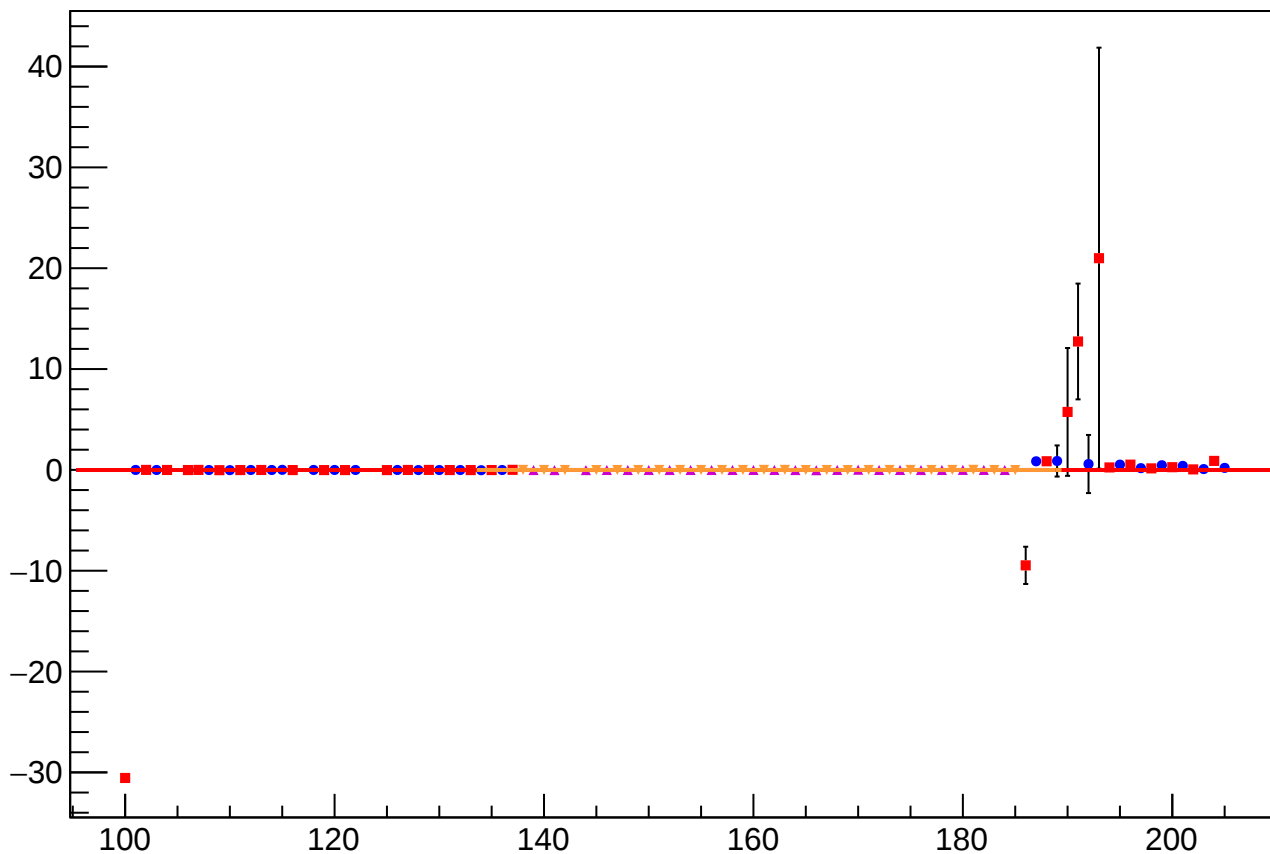
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 71.4/48

All: 0.071 ± 0.012 χ^2/NDF : 133.3/100

- sign 0.066 ± 0.017 χ^2/NDF : 61.7/51

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 35.7/24

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11954.3/28

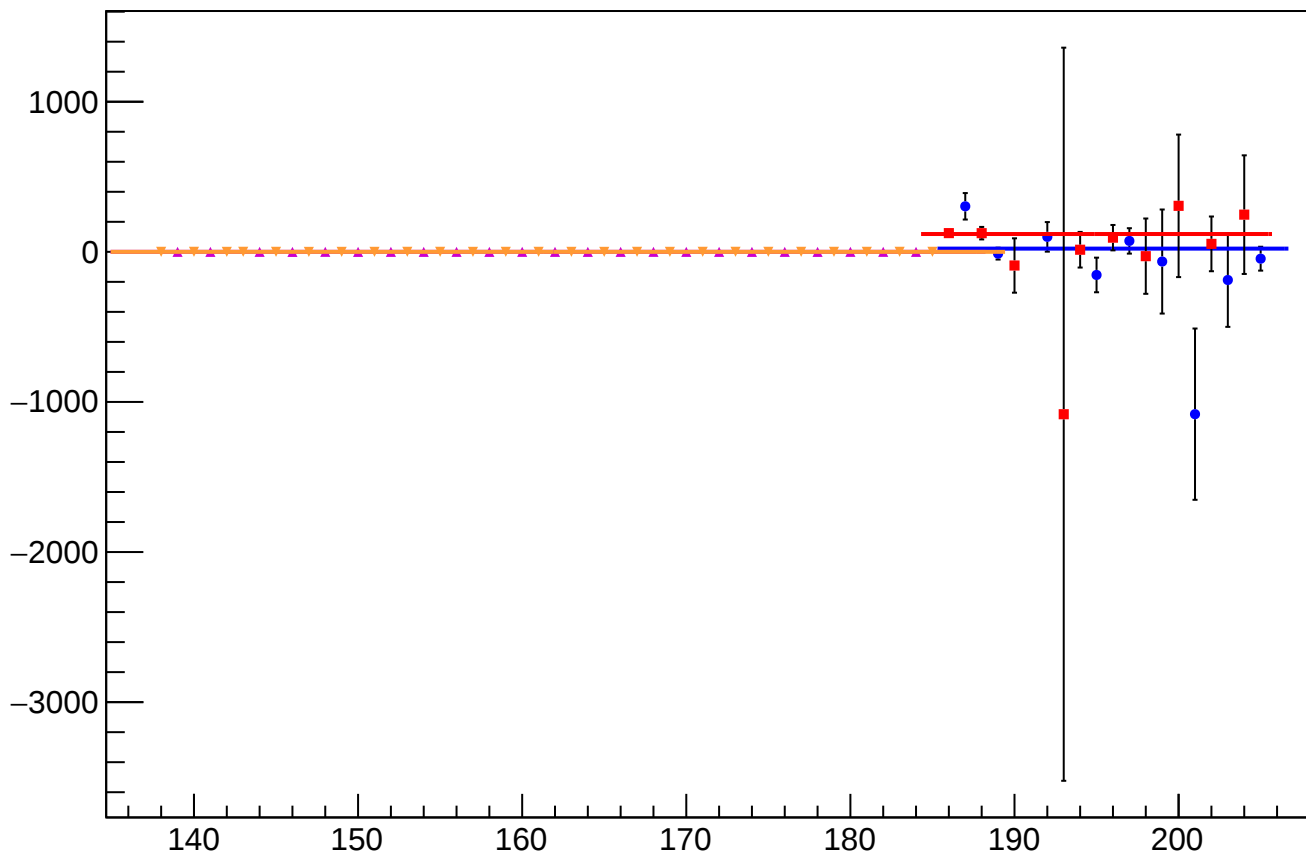
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 69.3/48

All: -0.009 ± 0.001 χ^2/NDF : 12067.2/100

- sign -0.009 ± 0.001 χ^2/NDF : 11997.5/51

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 21.481 ± 28.082 $\chi^2/\text{NDF}: 19.2/8$

Left Out: 0.017 ± 0.027 $\chi^2/\text{NDF}: 30.9/24$

Right Out: 118.743 ± 16.444 $\chi^2/\text{NDF}: 3.3/9$

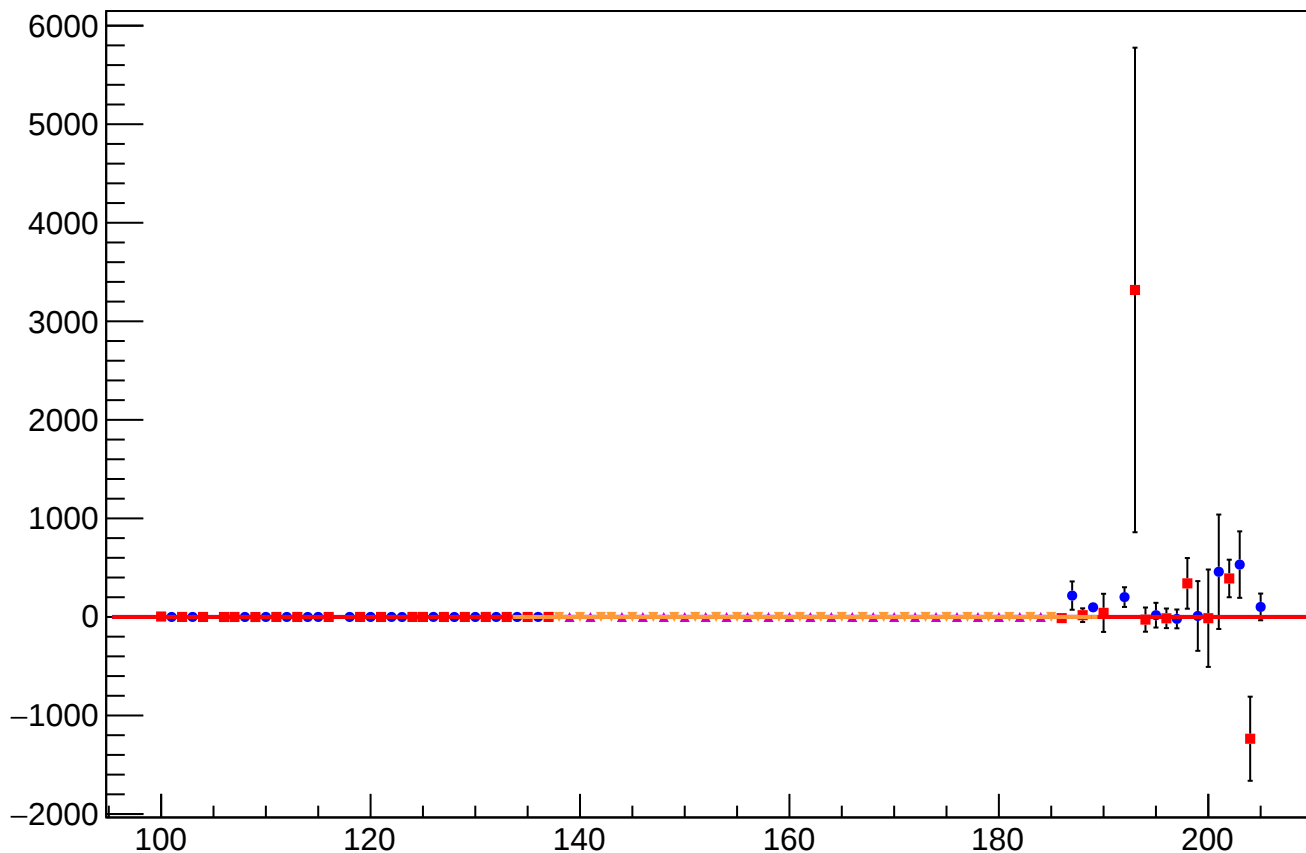
Left In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.017 ± 0.027 $\chi^2/\text{NDF}: 50.7/33$

All: 0.010 ± 0.019 $\chi^2/\text{NDF}: 135.3/66$

- sign 0.003 ± 0.028 $\chi^2/\text{NDF}: 84.5/32$

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 $\pm$ 0.037 χ^2/NDF : 37.7/25

Left Out: -0.060 $\pm$ 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 $\pm$ 0.039 χ^2/NDF : 35.1/28

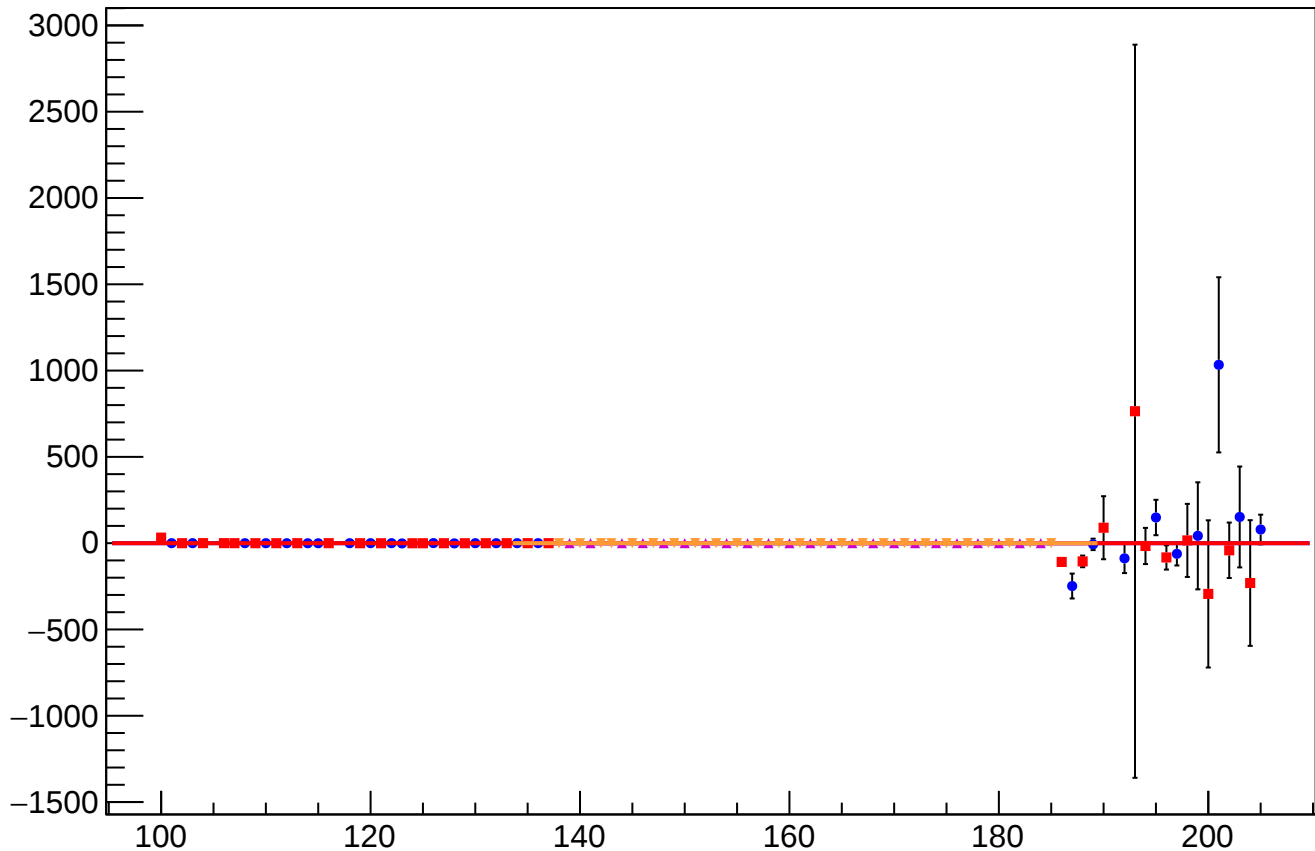
Left In: -0.071 $\pm$ 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 $\pm$ 0.018 χ^2/NDF : 63.2/50

All: -0.066 $\pm$ 0.013 χ^2/NDF : 149.9/102

- sign -0.083 $\pm$ 0.019 χ^2/NDF : 85.2/51

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 45.9/25

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 78.6/28

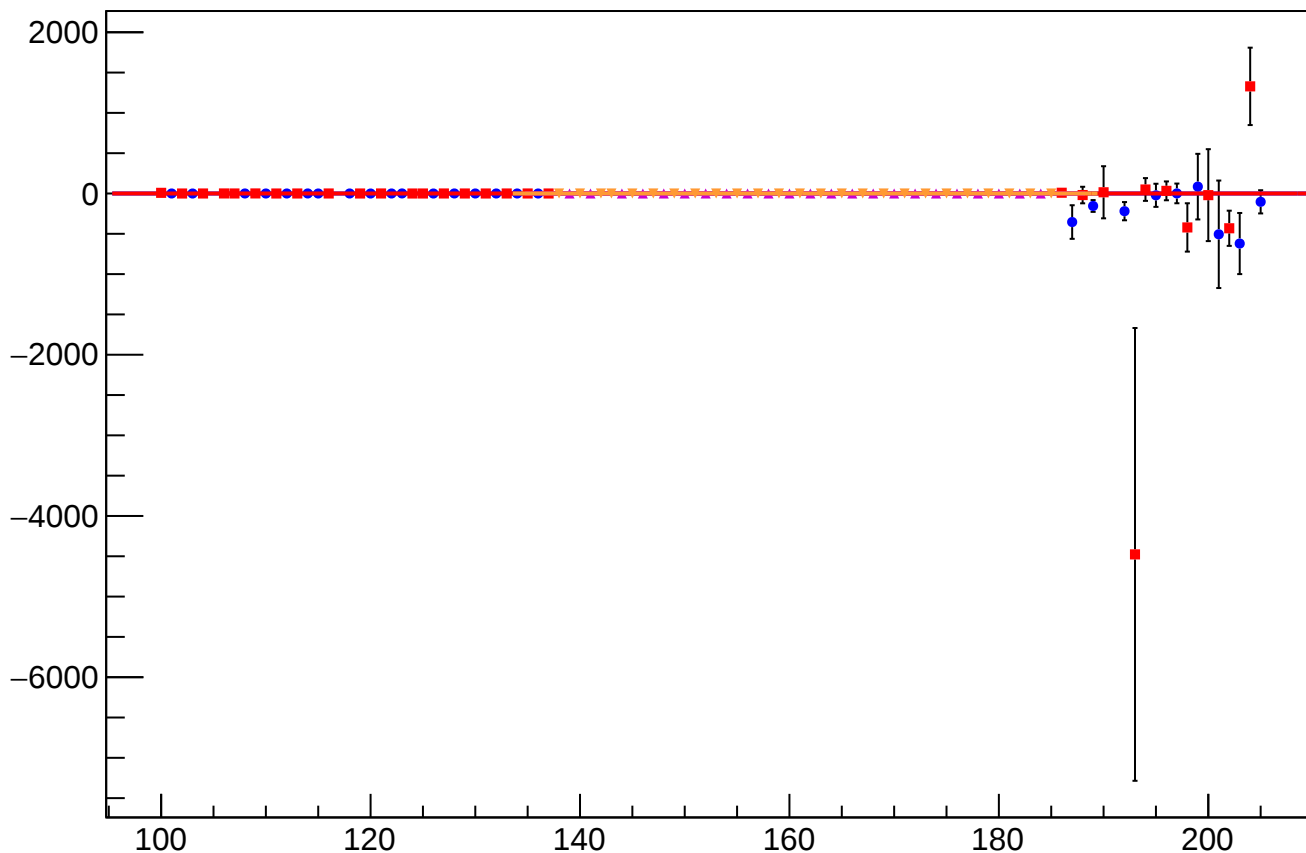
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 77.5/50

All: -0.042 ± 0.018 χ^2/NDF : 187.9/102

- sign -0.050 ± 0.026 χ^2/NDF : 110.2/51

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 36.6/25

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF: 24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 33.2/28

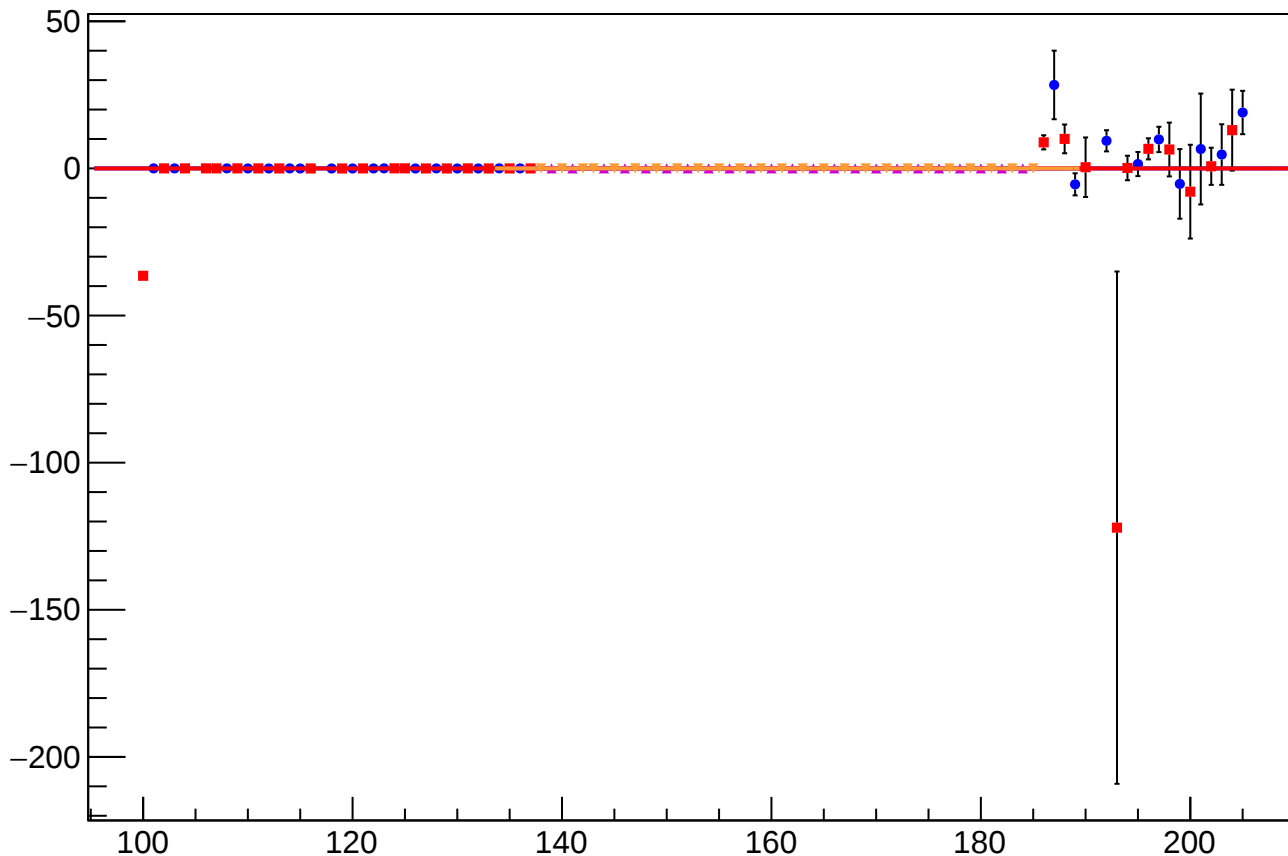
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF: 51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 62.1/50

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 150.5/102

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 87.2/51

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 57.8/25

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10474.0/28

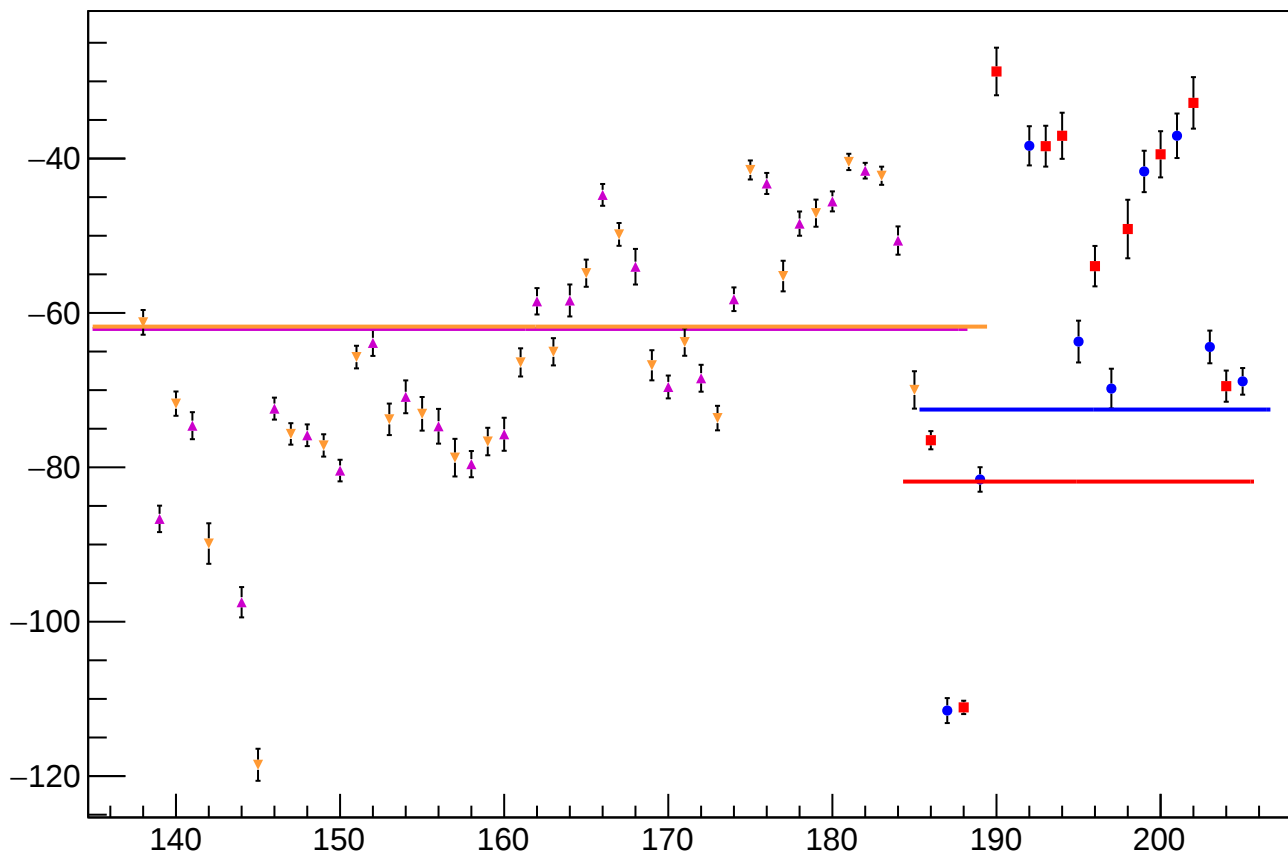
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 92.2/50

All: 0.007 ± 0.001 χ^2/NDF : 10591.6/102

- sign 0.007 ± 0.001 χ^2/NDF : 10499.4/51

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.516 ± 0.700 $\chi^2/\text{NDF}: 1109.2/8$

Left Out: -61.771 ± 0.334 $\chi^2/\text{NDF}: 2504.9/23$

Right Out: -81.846 ± 0.570 $\chi^2/\text{NDF}: 2600.7/9$

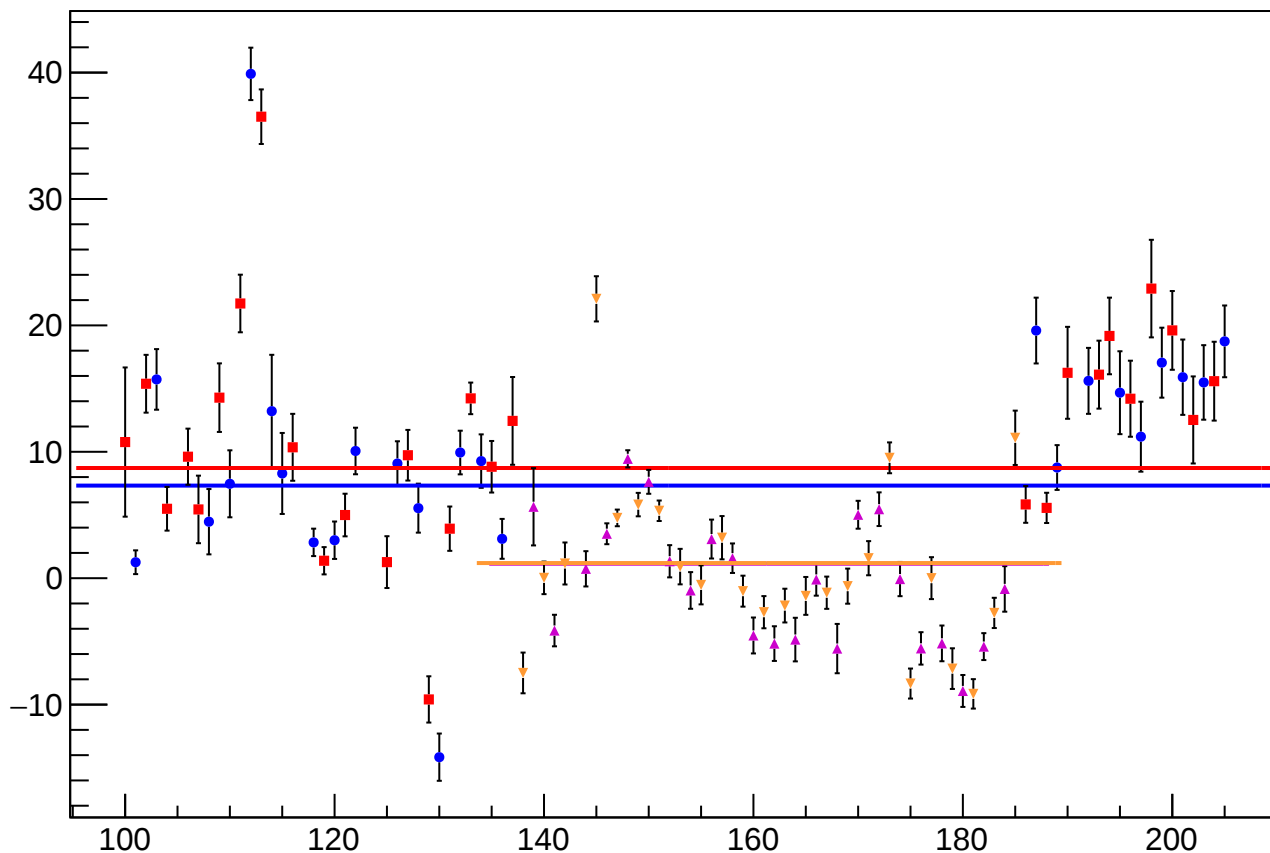
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -63.762 ± 0.301 $\chi^2/\text{NDF}: 3806.0/32$

All: -65.509 ± 0.208 $\chi^2/\text{NDF}: 9561.8/65$

- sign -67.094 ± 0.287 $\chi^2/\text{NDF}: 5691.7/32$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 7.326 ± 0.385 $\chi^2/\text{NDF}: 560.2/24$

Left Out: 1.198 ± 0.253 $\chi^2/\text{NDF}: 526.3/23$

Right Out: 8.717 ± 0.383 $\chi^2/\text{NDF}: 479.1/27$

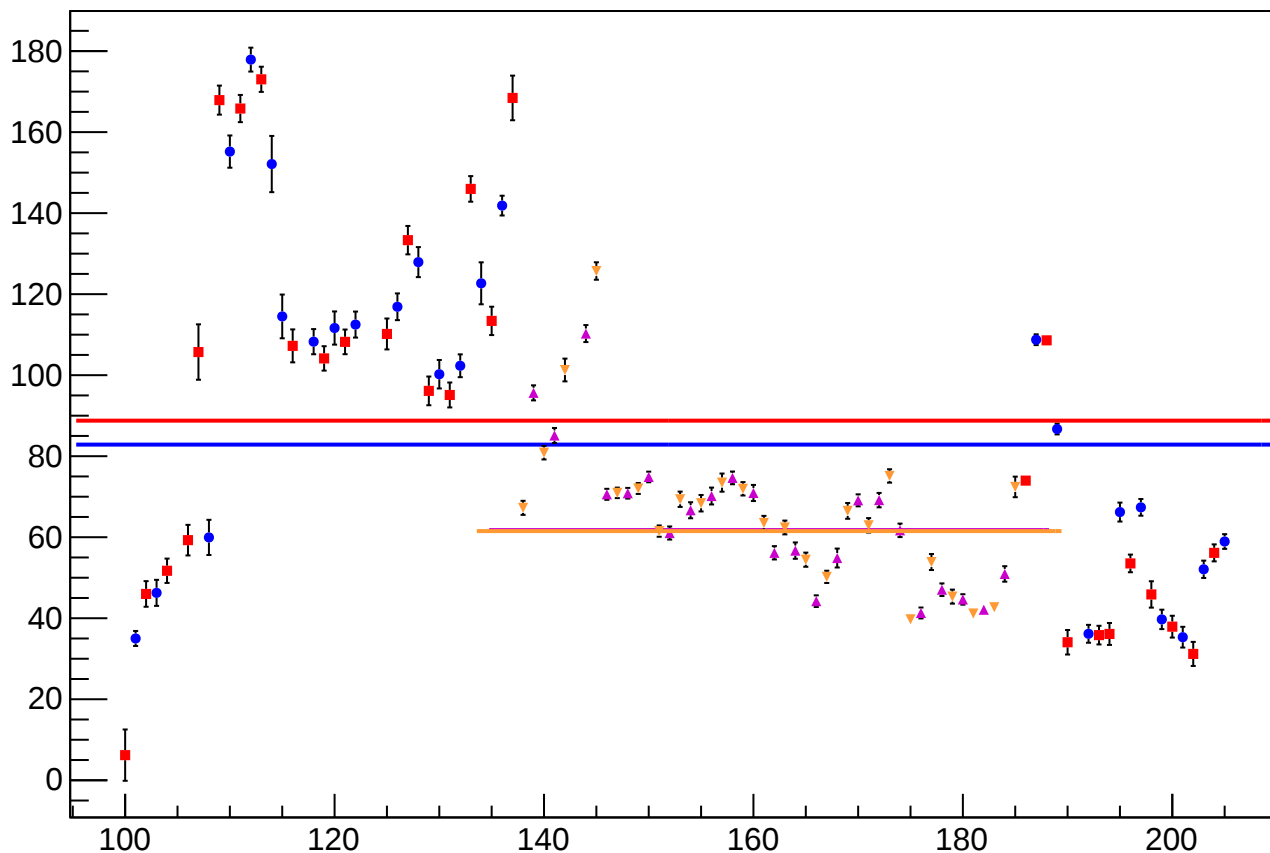
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 3.039 ± 0.211 $\chi^2/\text{NDF}: 1263.4/48$

All: 3.258 ± 0.150 $\chi^2/\text{NDF}: 2478.5/99$

- sign 3.479 ± 0.212 $\chi^2/\text{NDF}: 1213.0/50$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 82.861 $\pm$ 0.493 χ^2 /NDF: 5491.4/24

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF: 2606.0/23

Right Out: 88.775 $\pm$ 0.414 χ^2 /NDF: 6902.4/27

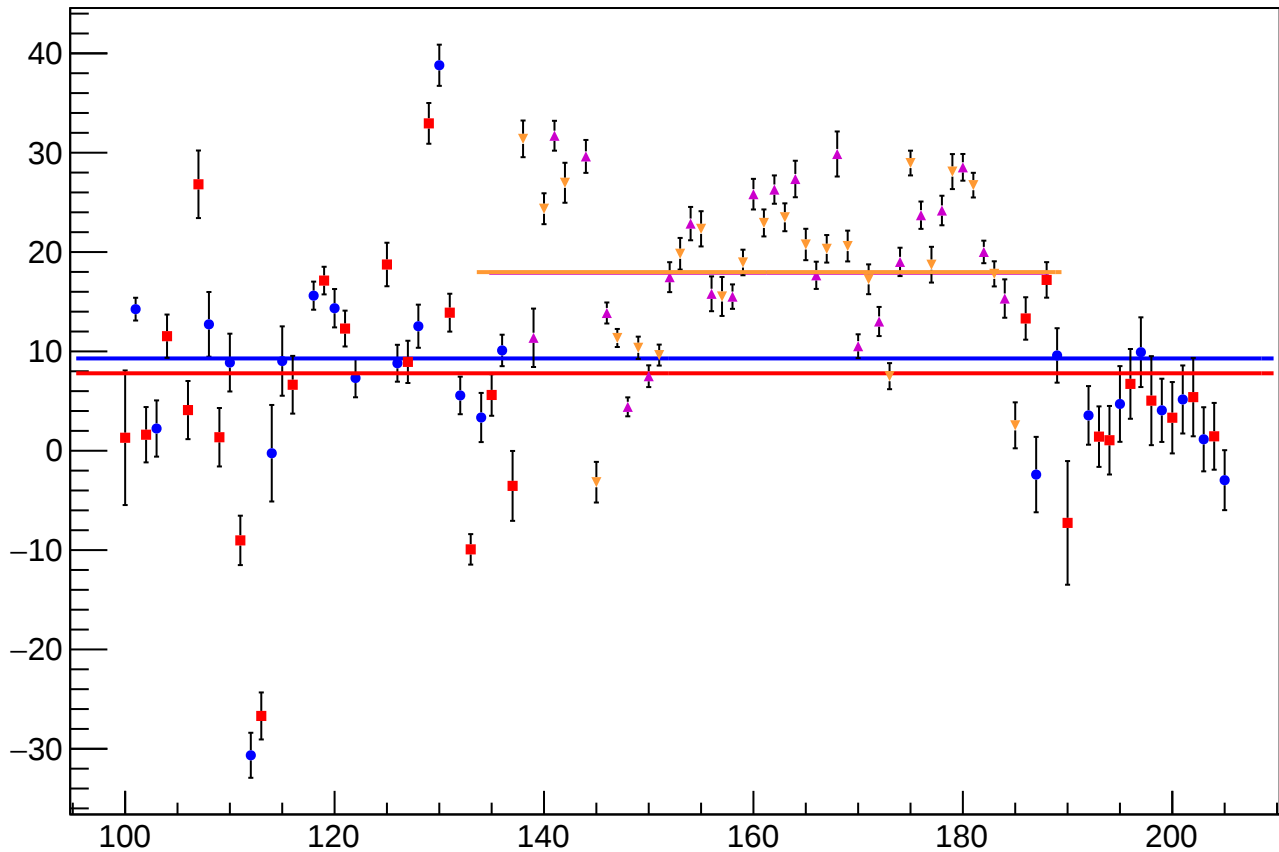
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 68.181 $\pm$ 0.276 χ^2 /NDF: 9386.5/48

All: 70.360 $\pm$ 0.188 χ^2 /NDF: 21431.2/99

- sign 72.269 $\pm$ 0.258 χ^2 /NDF: 11927.4/50

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 9.291+/-0.452 χ^2/NDF : 625.1/24

Left Out: 17.980+/-0.291 χ^2/NDF : 674.4/23

Right Out: 7.796+/-0.459 χ^2/NDF : 741.2/27

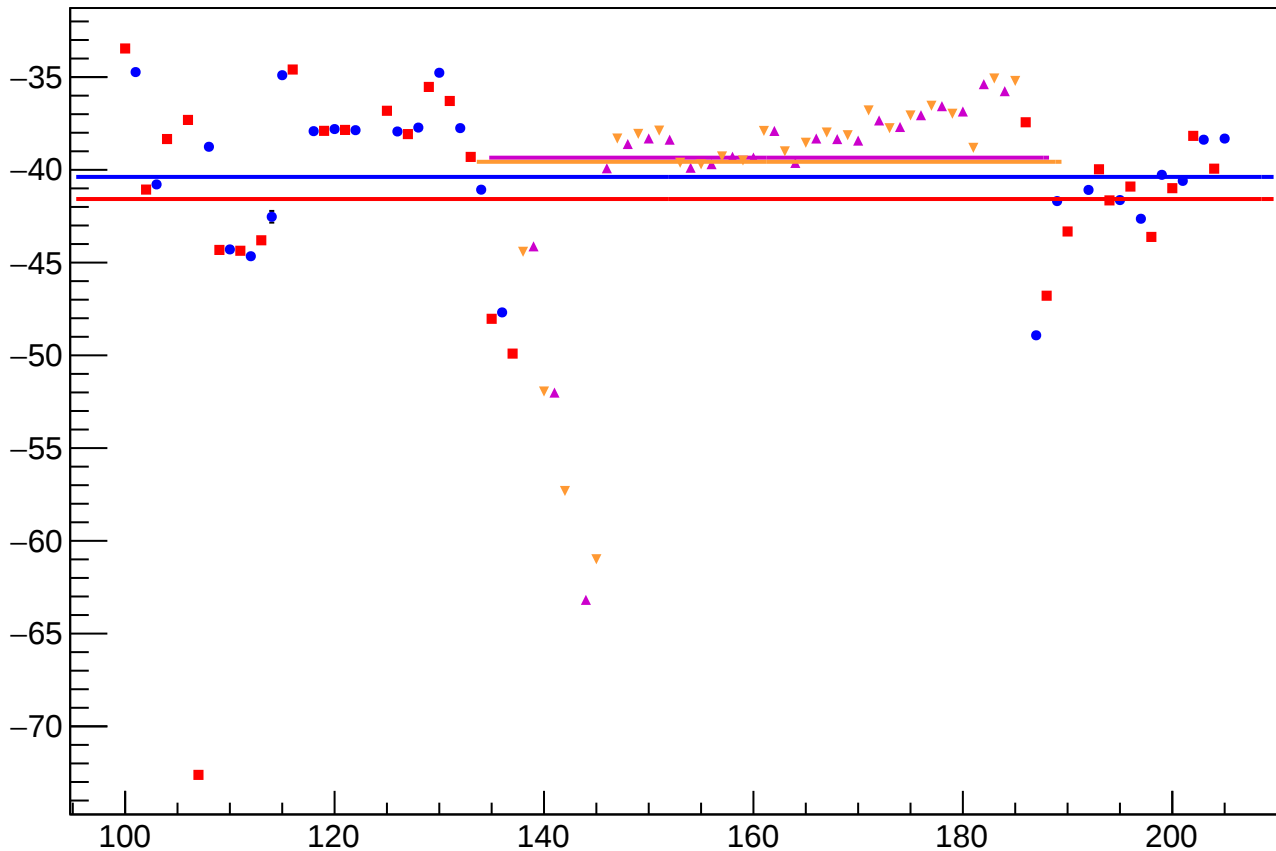
Left In: 17.916+/-0.292 χ^2/NDF : 726.5/22

+ sign 15.439+/-0.245 χ^2/NDF : 1560.5/48

All: 15.218+/-0.174 χ^2/NDF : 3375.9/99

- sign 14.994+/-0.247 χ^2/NDF : 1813.8/50

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.381 ± 0.023 χ^2/NDF : 27874.3/24

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.573 ± 0.022 χ^2/NDF : 67325.6/27

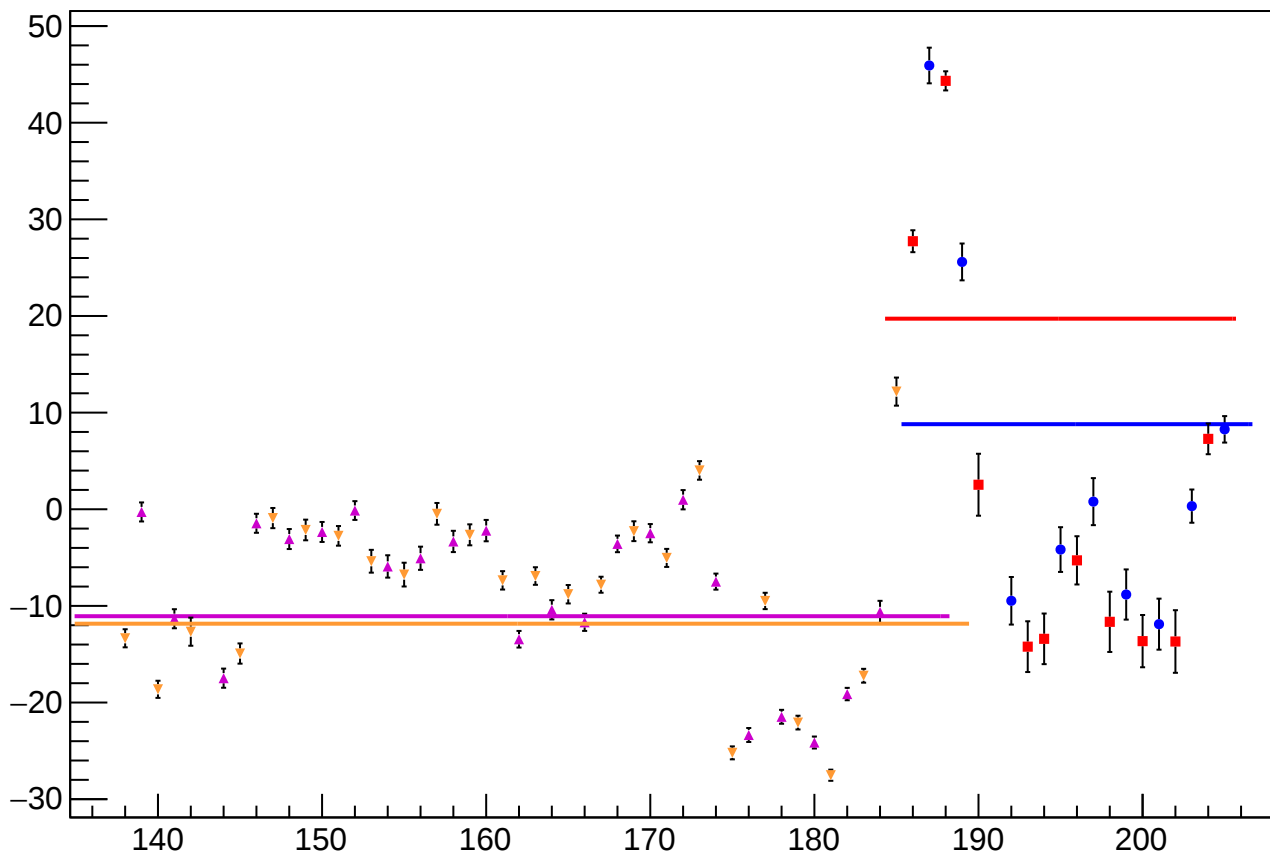
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.784 ± 0.012 χ^2/NDF : 170014.9/48

All: -39.863 ± 0.008 χ^2/NDF : 361250.3/99

- sign -39.941 ± 0.012 χ^2/NDF : 191144.9/50

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.803 $\pm$ 0.666 χ^2/NDF : 711.7/8

Left Out: -11.842 $\pm$ 0.187 χ^2/NDF : 2739.8/23

Right Out: 19.721 $\pm$ 0.570 χ^2/NDF : 1544.8/9

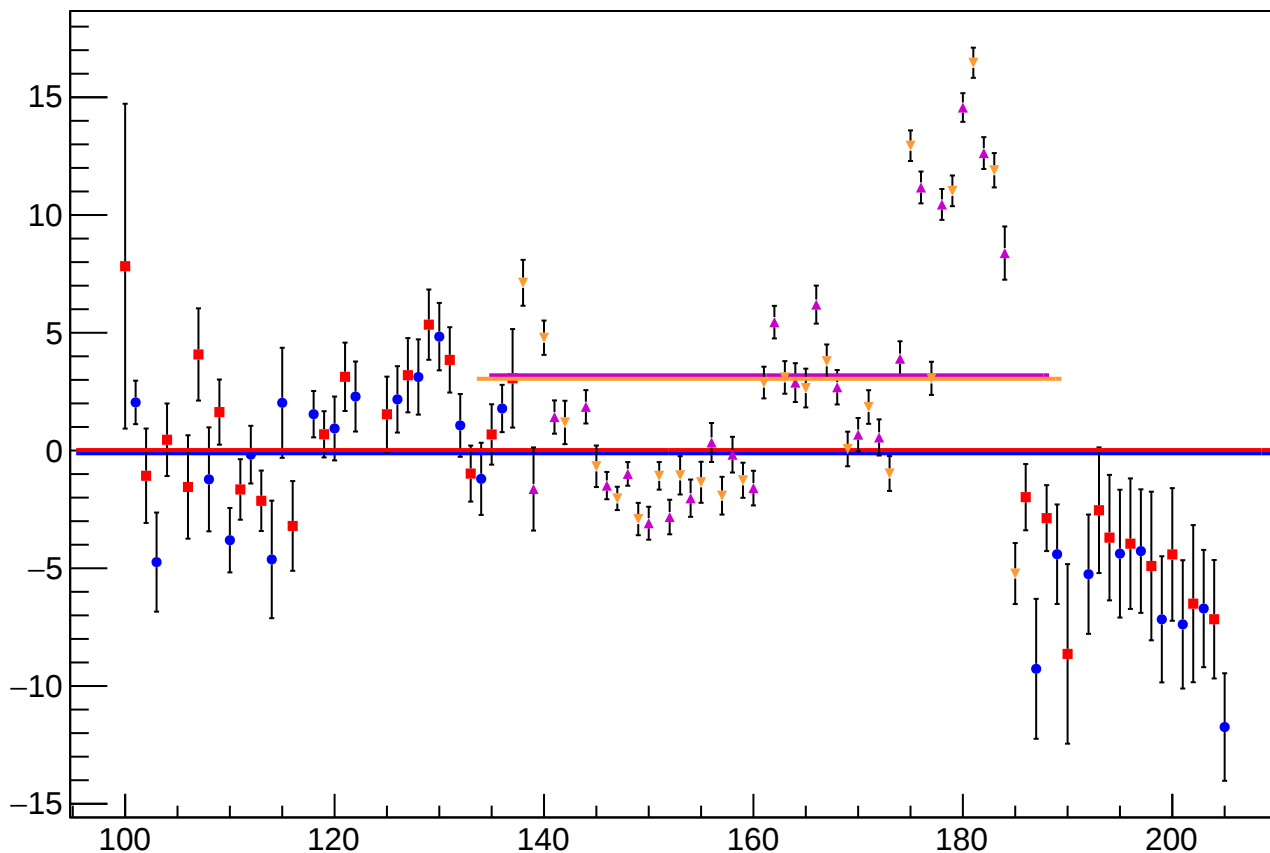
Left In: -11.067 $\pm$ 0.188 χ^2/NDF : 2104.8/22

+ sign -10.337 $\pm$ 0.180 χ^2/NDF : 4341.8/32

All: -9.184 $\pm$ 0.127 χ^2/NDF : 10703.0/65

- sign -8.049 $\pm$ 0.179 χ^2/NDF : 6279.6/32

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.118 ± 0.317 χ^2/NDF : 121.3/24

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: 0.020 ± 0.317 χ^2/NDF : 81.9/27

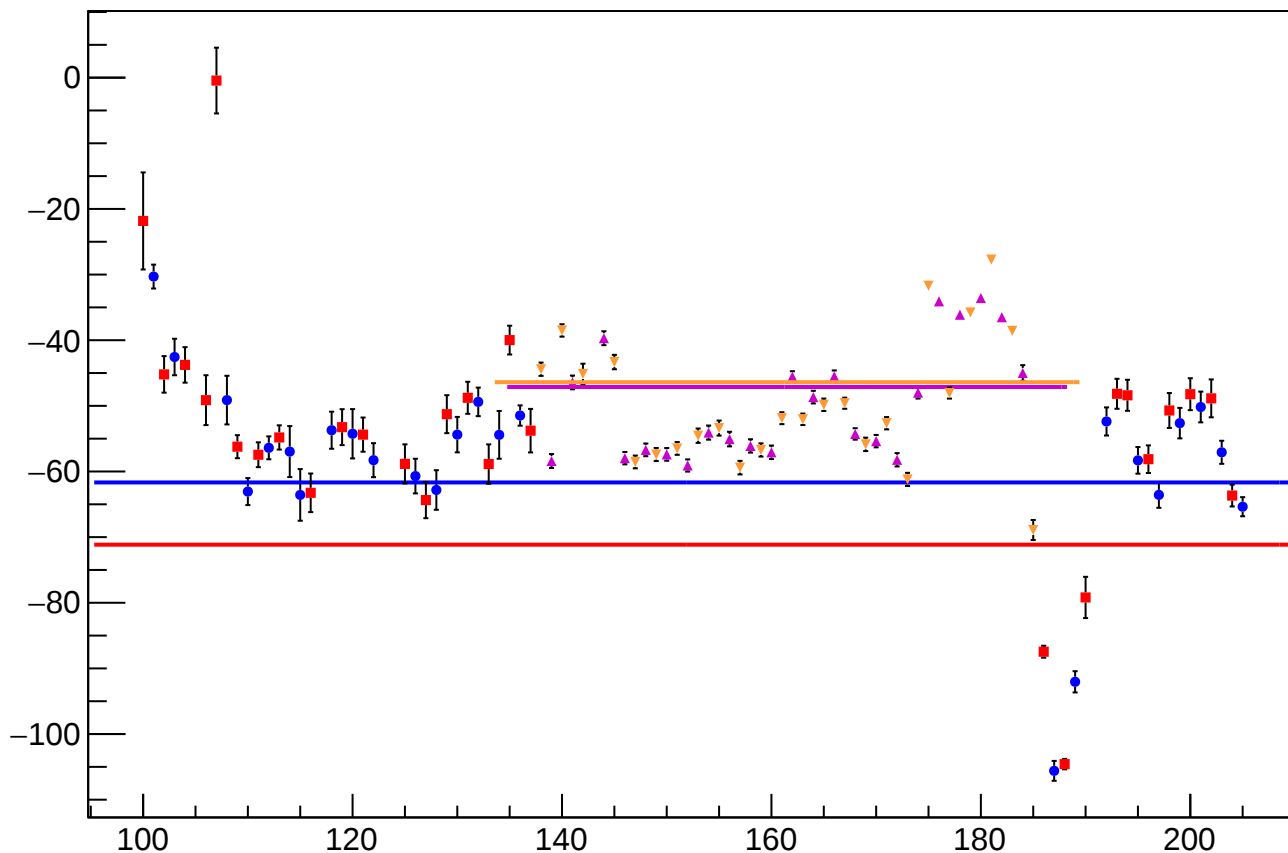
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.482 ± 0.134 χ^2/NDF : 1660.3/48

All: 2.547 ± 0.095 χ^2/NDF : 3119.6/99

- sign 2.613 ± 0.136 χ^2/NDF : 1458.9/50

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -61.669 ± 0.433 $\chi^2/\text{NDF}: 1735.7/24$

Left Out: -46.392 ± 0.187 $\chi^2/\text{NDF}: 3286.7/23$

Right Out: -71.151 ± 0.381 $\chi^2/\text{NDF}: 3704.8/27$

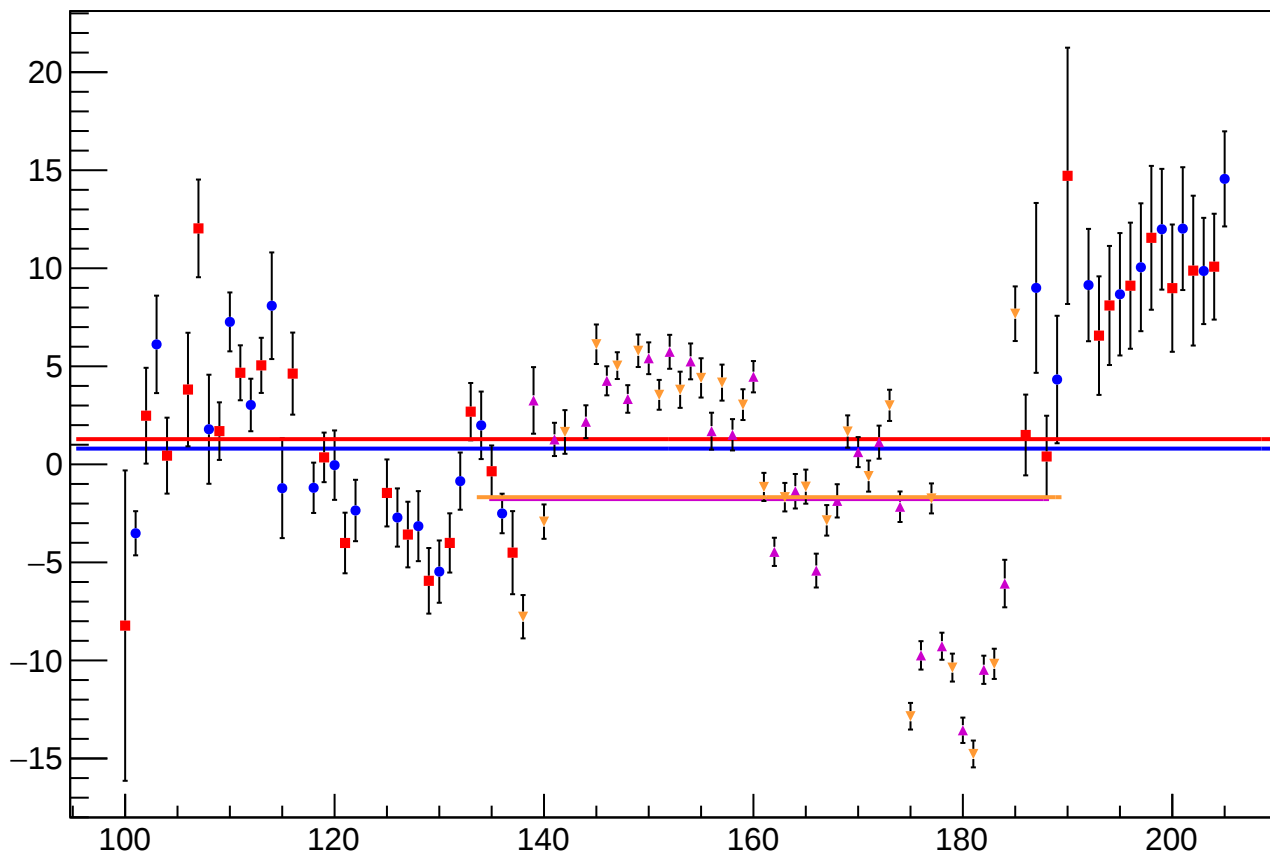
Left In: -47.128 ± 0.187 $\chi^2/\text{NDF}: 2516.0/22$

+ sign -48.787 ± 0.171 $\chi^2/\text{NDF}: 6073.4/48$

All: -50.324 ± 0.120 $\chi^2/\text{NDF}: 15656.8/99$

- sign -51.802 ± 0.168 $\chi^2/\text{NDF}: 9425.5/50$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 0.803 ± 0.362 χ^2/NDF : 190.9/24

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 1.285 ± 0.367 χ^2/NDF : 148.6/27

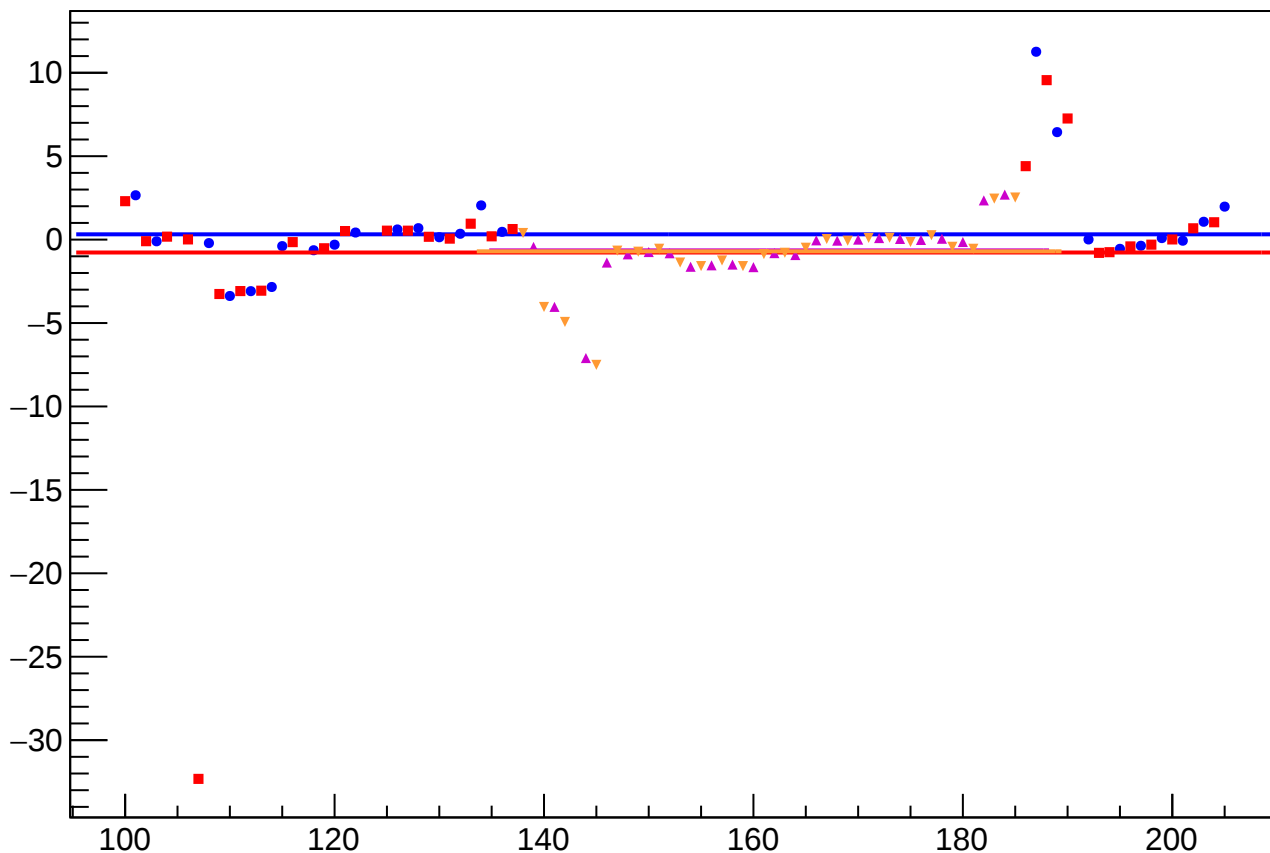
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.240 ± 0.152 χ^2/NDF : 1713.3/48

All: -1.238 ± 0.108 χ^2/NDF : 3170.4/99

- sign -1.237 ± 0.153 χ^2/NDF : 1457.1/50

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.317 ± 0.018 $\chi^2/\text{NDF}: 9509.2/24$

Left Out: -0.702 ± 0.008 $\chi^2/\text{NDF}: 53834.9/23$

Right Out: -0.773 ± 0.018 $\chi^2/\text{NDF}: 92798.3/27$

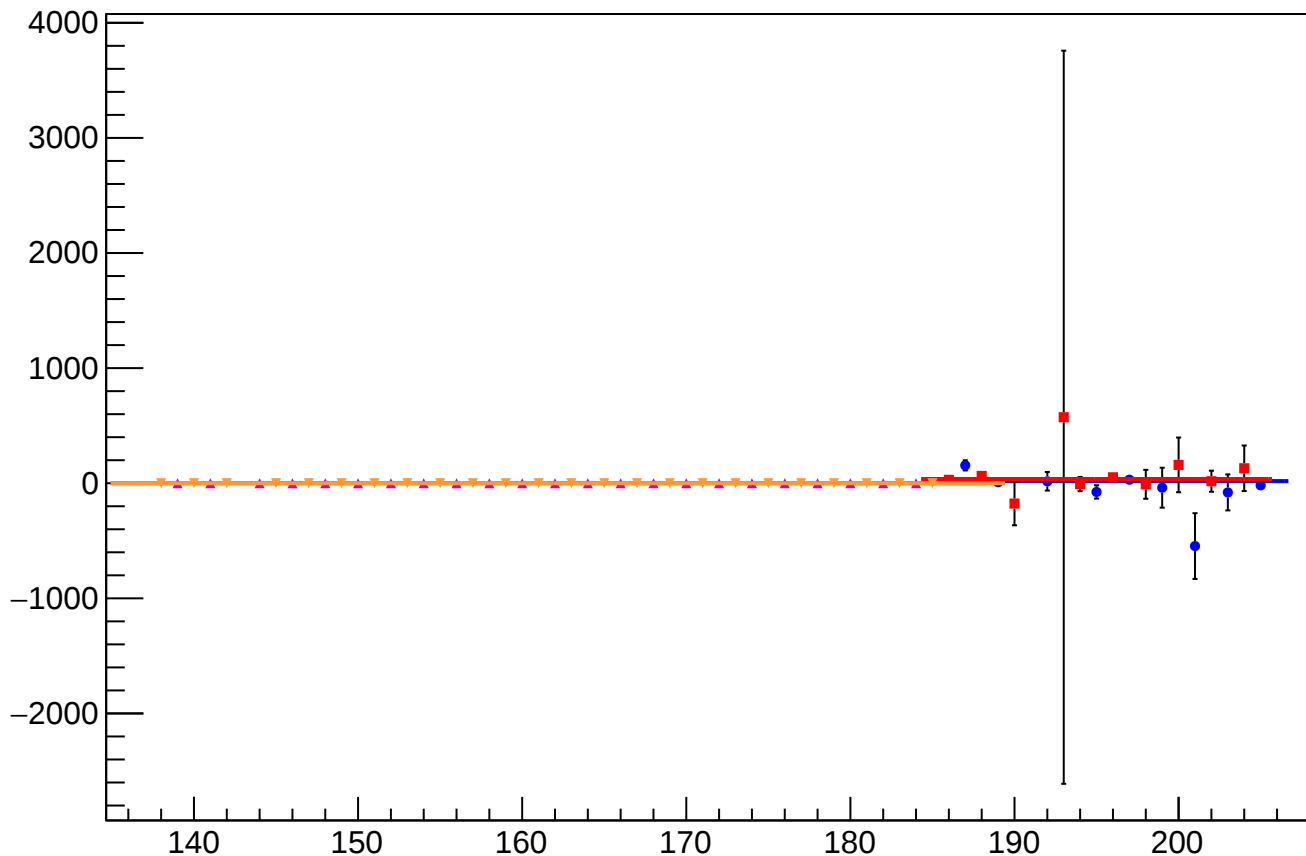
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.552 ± 0.007 $\chi^2/\text{NDF}: 65957.3/48$

All: -0.607 ± 0.005 $\chi^2/\text{NDF}: 203089.8/99$

- sign -0.663 ± 0.007 $\chi^2/\text{NDF}: 137009.1/50$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 18.511+/-16.892 χ^2/NDF : 17.7/8

Left Out: -0.037+/-0.018 χ^2/NDF : 35.4/23

Right Out: 36.949+/-9.899 χ^2/NDF : 4.6/9

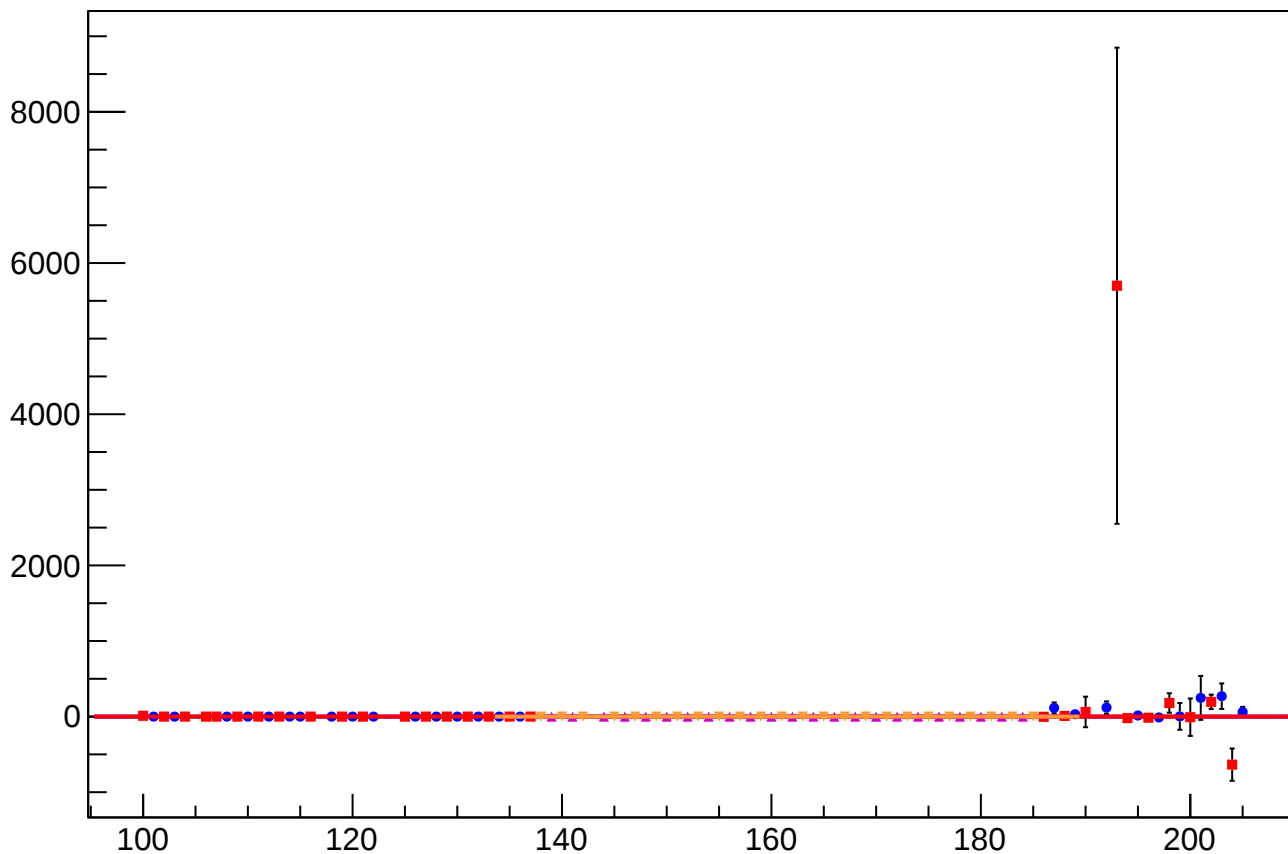
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.037+/-0.018 χ^2/NDF : 54.3/32

All: -0.024+/-0.013 χ^2/NDF : 109.1/65

- sign -0.010+/-0.018 χ^2/NDF : 53.6/32

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 21.9/24

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 31.5/27

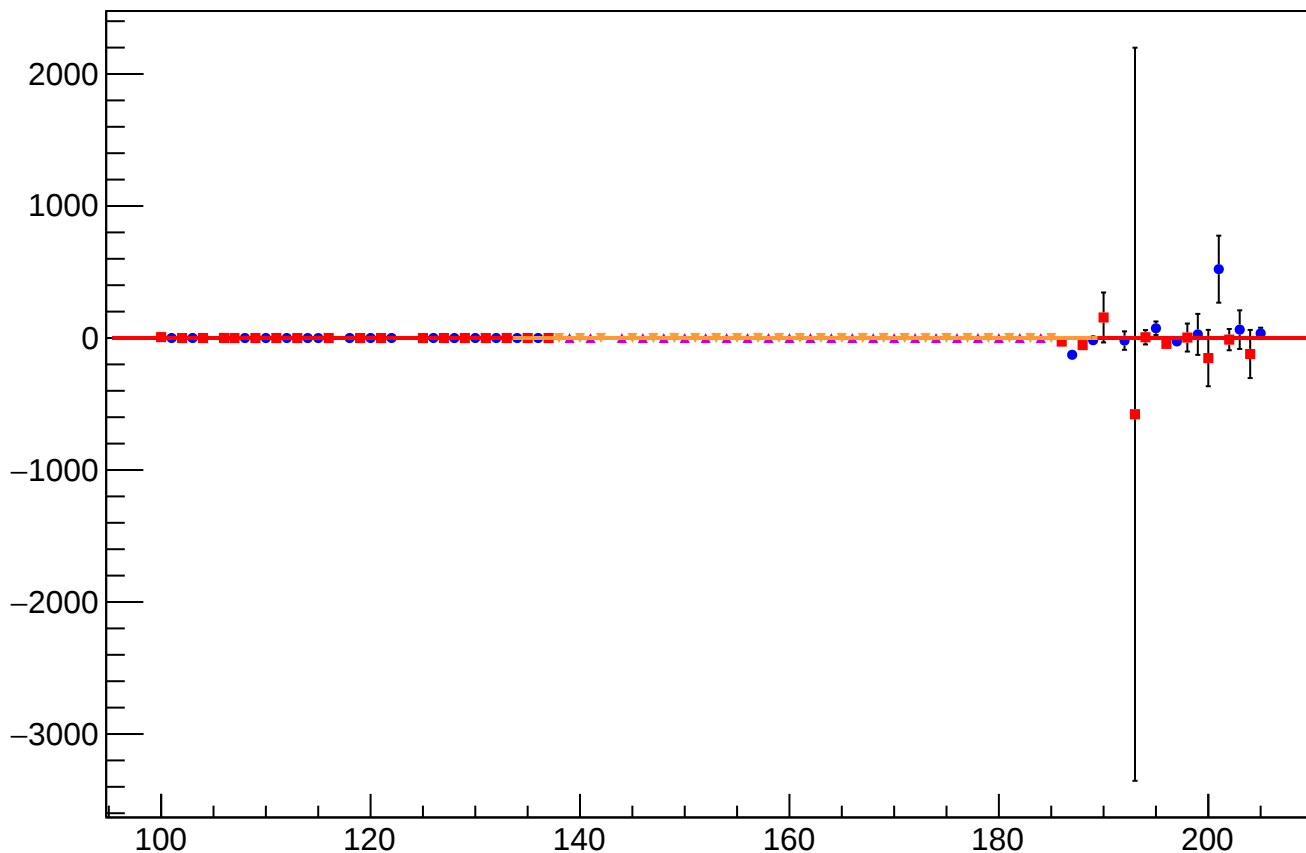
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 54.4/48

All: -0.063 ± 0.009 χ^2/NDF : 128.2/99

- sign -0.070 ± 0.012 χ^2/NDF : 73.3/50

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 29.8/24

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 30.2/27

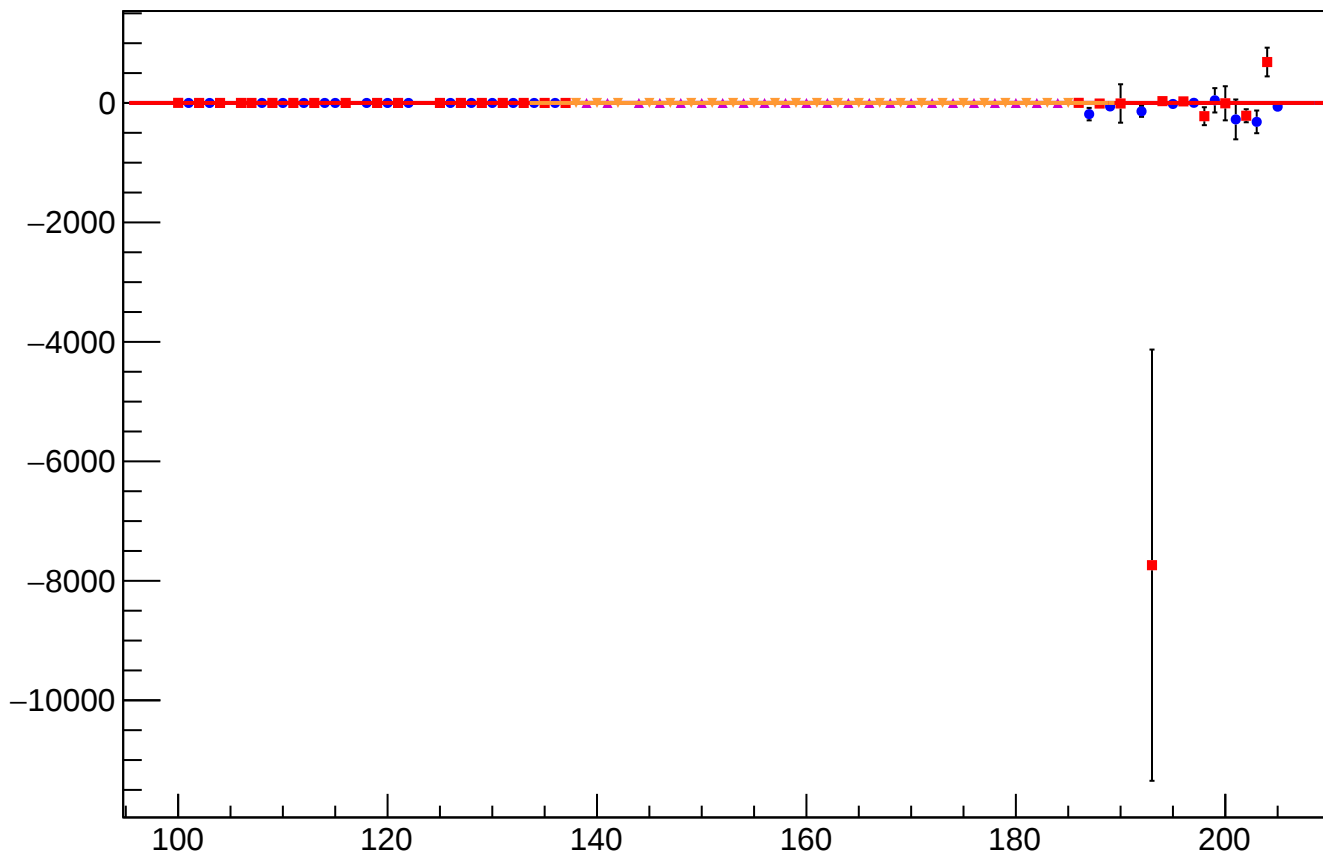
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 62.2/48

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 132.2/99

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 67.7/50

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 22.8/24

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF:27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 27.3/27

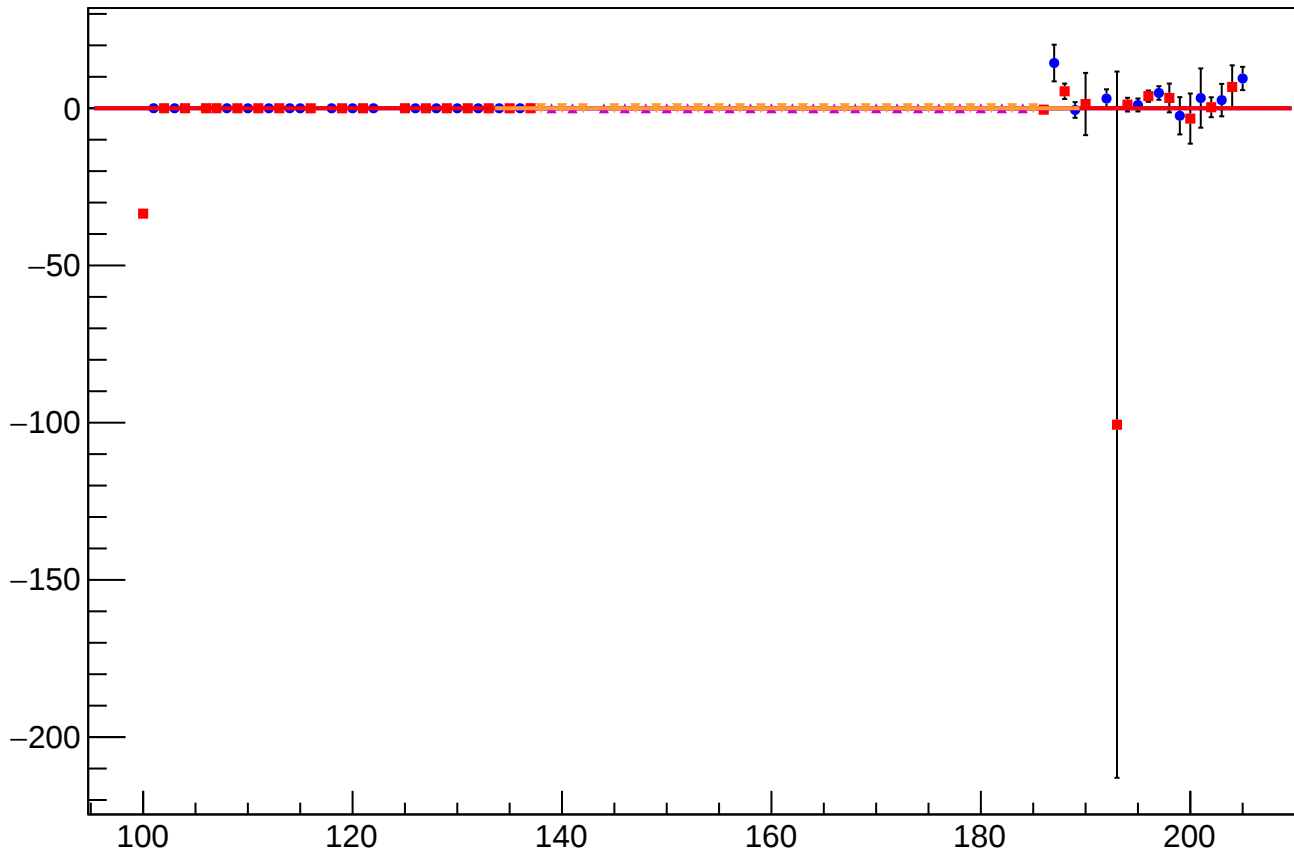
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF:44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 56.6/48

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 130.3/99

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 73.3/50

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 41.2/24

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26521.2/27

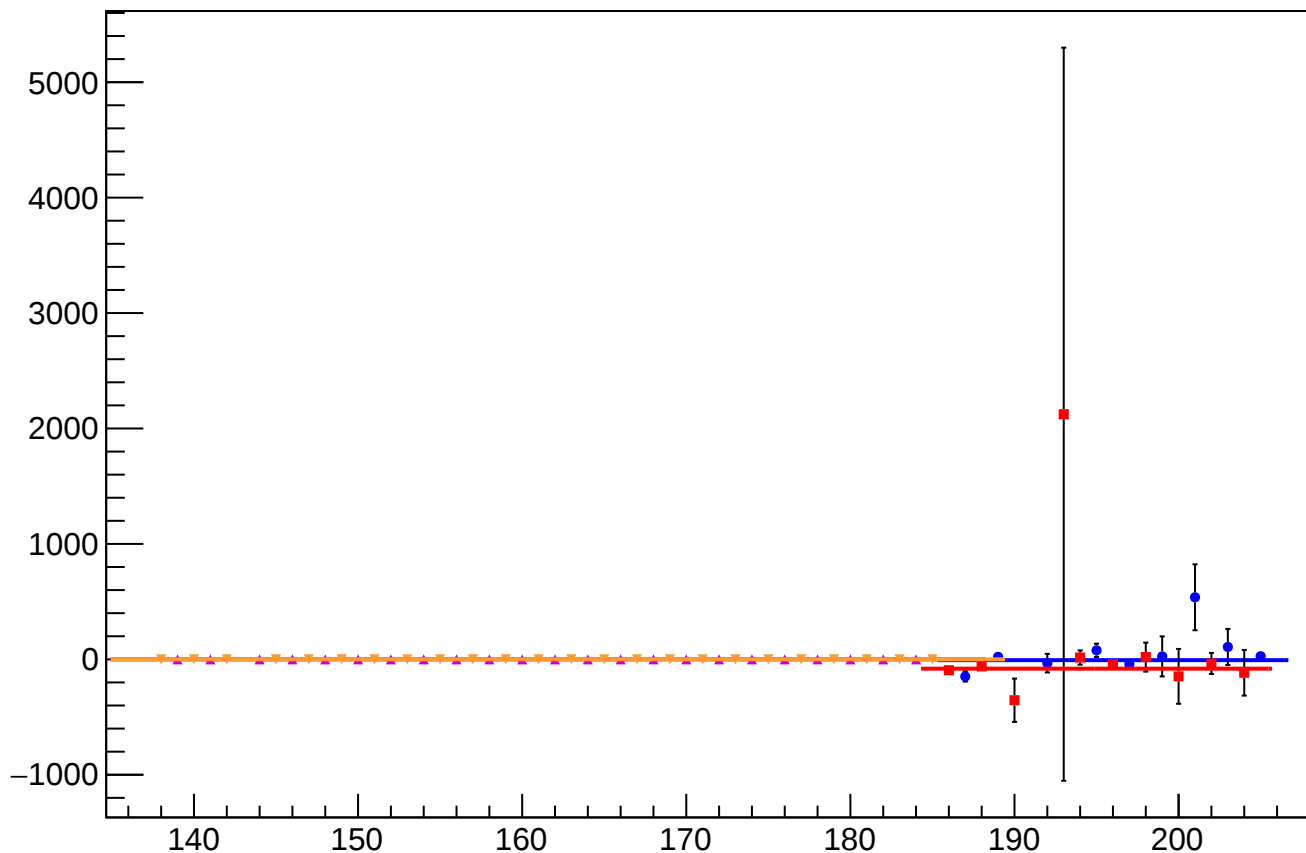
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 77.6/48

All: -0.001 ± 0.000 χ^2/NDF : 26635.1/99

- sign -0.001 ± 0.001 χ^2/NDF : 26557.4/50

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -7.167 ± 16.885 χ^2/NDF : 19.2/8

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -80.807 ± 9.902 χ^2/NDF : 9.0/9

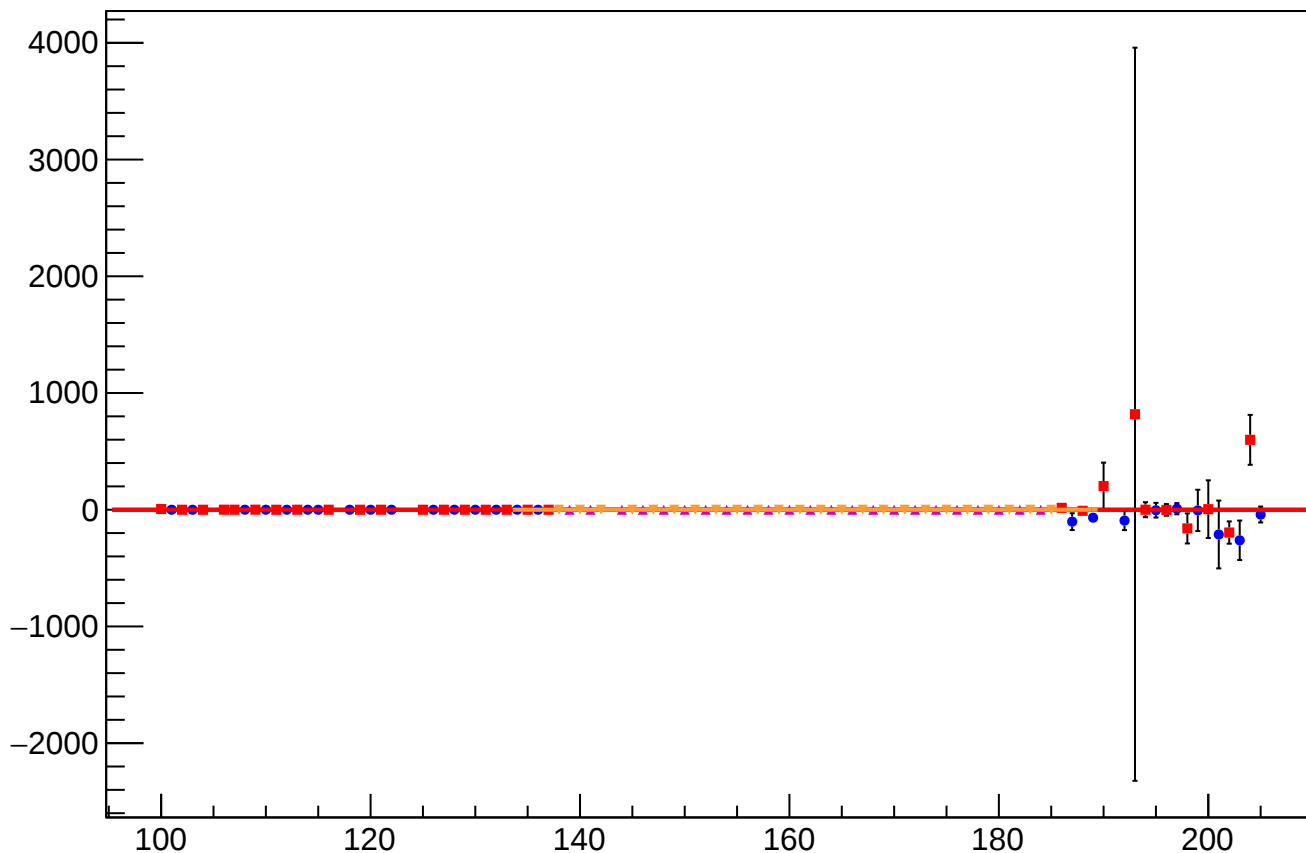
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 56.7/32

All: -0.031 ± 0.013 χ^2/NDF : 170.2/65

- sign -0.009 ± 0.018 χ^2/NDF : 110.7/32

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 $\pm$ 0.023 χ^2 /NDF: 36.3/24

Left Out: -0.011 $\pm$ 0.014 χ^2 /NDF: 29.6/23

Right Out: 0.037 $\pm$ 0.025 χ^2 /NDF: 44.6/27

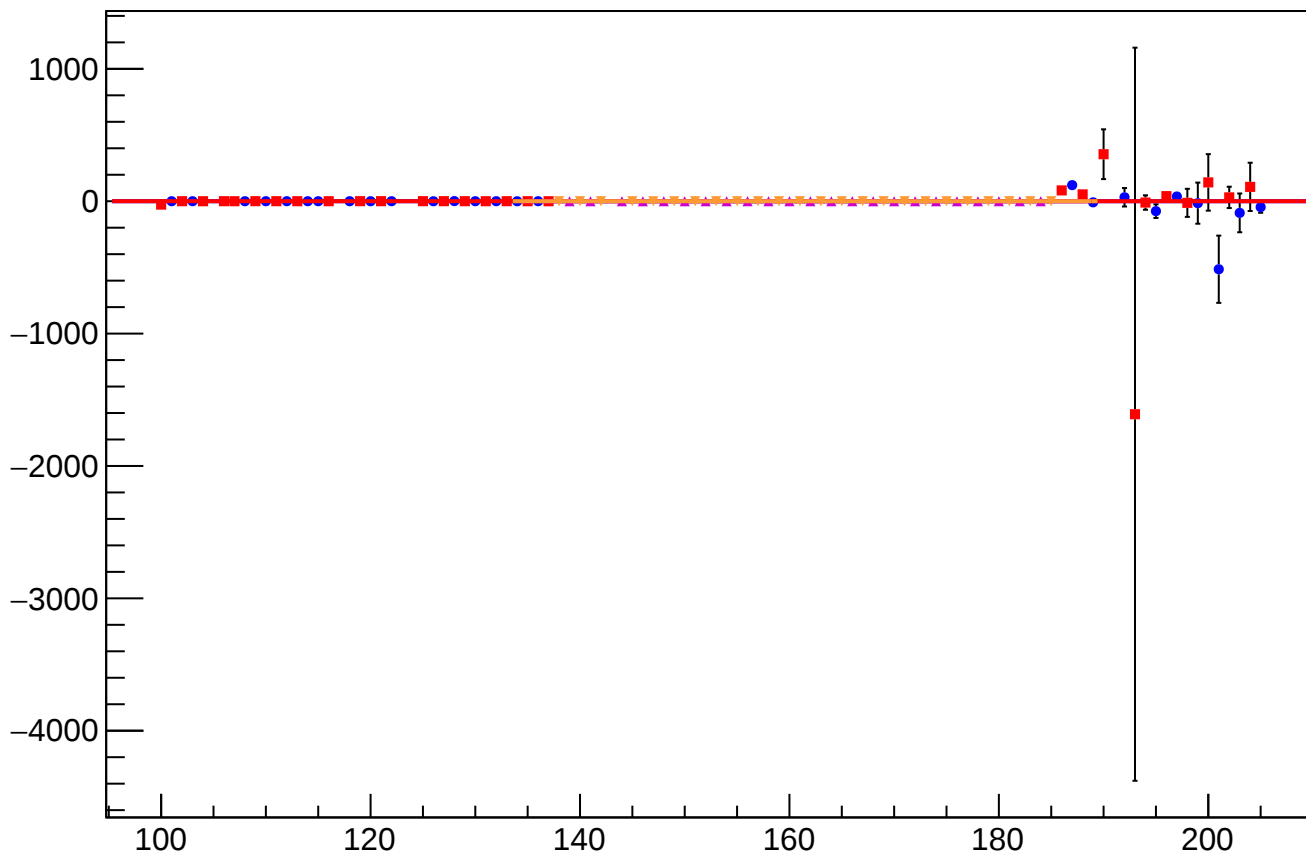
Left In: 0.005 $\pm$ 0.014 χ^2 /NDF: 49.6/22

+ sign -0.006 $\pm$ 0.012 χ^2 /NDF: 66.4/48

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 162.9/99

- sign 0.013 $\pm$ 0.012 χ^2 /NDF: 95.4/50

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 50.0/24

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF: 35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 108.0/27

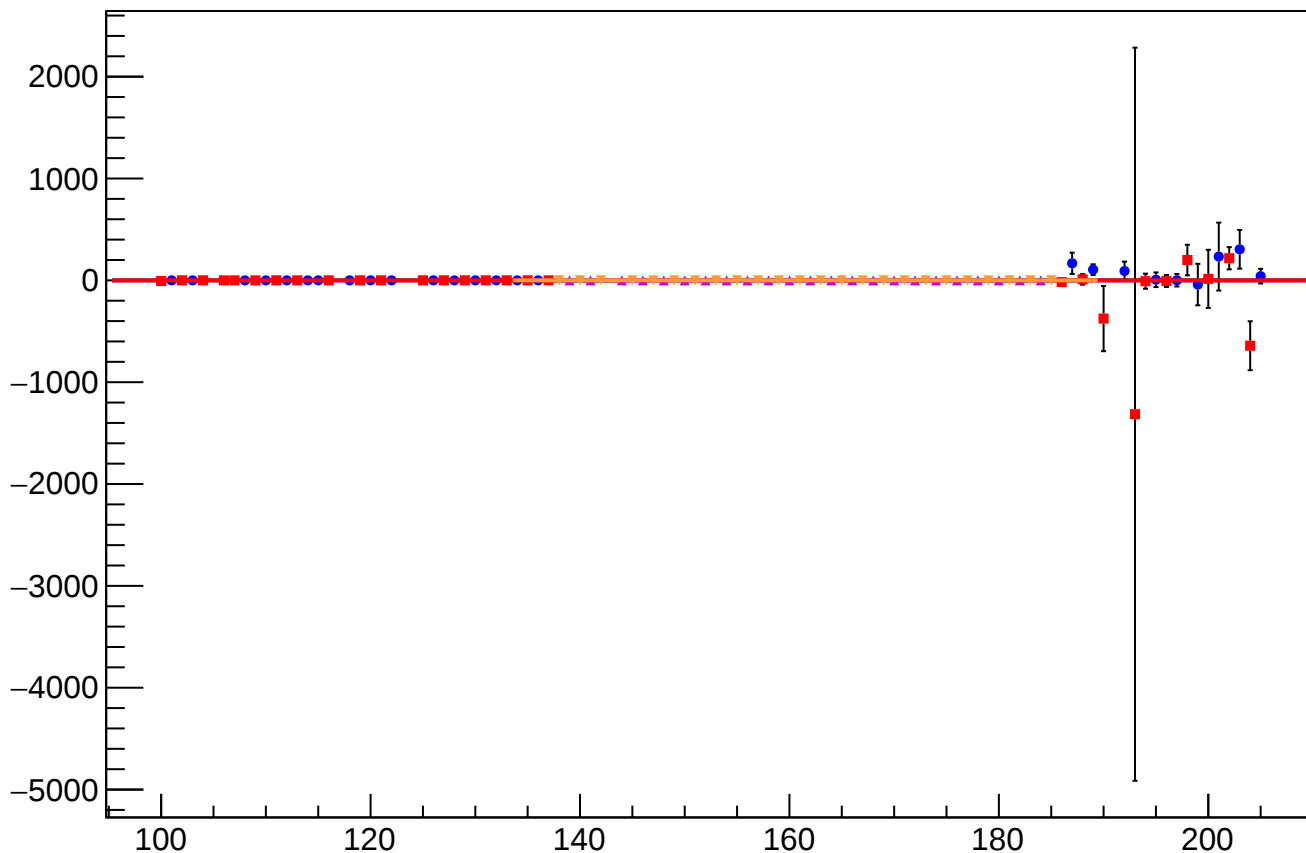
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF: 35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 90.9/48

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 248.7/99

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 157.1/50

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 $\pm$ 0.027 χ^2/NDF : 35.7/24

Left Out: 0.022 $\pm$ 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 $\pm$ 0.029 χ^2/NDF : 41.3/27

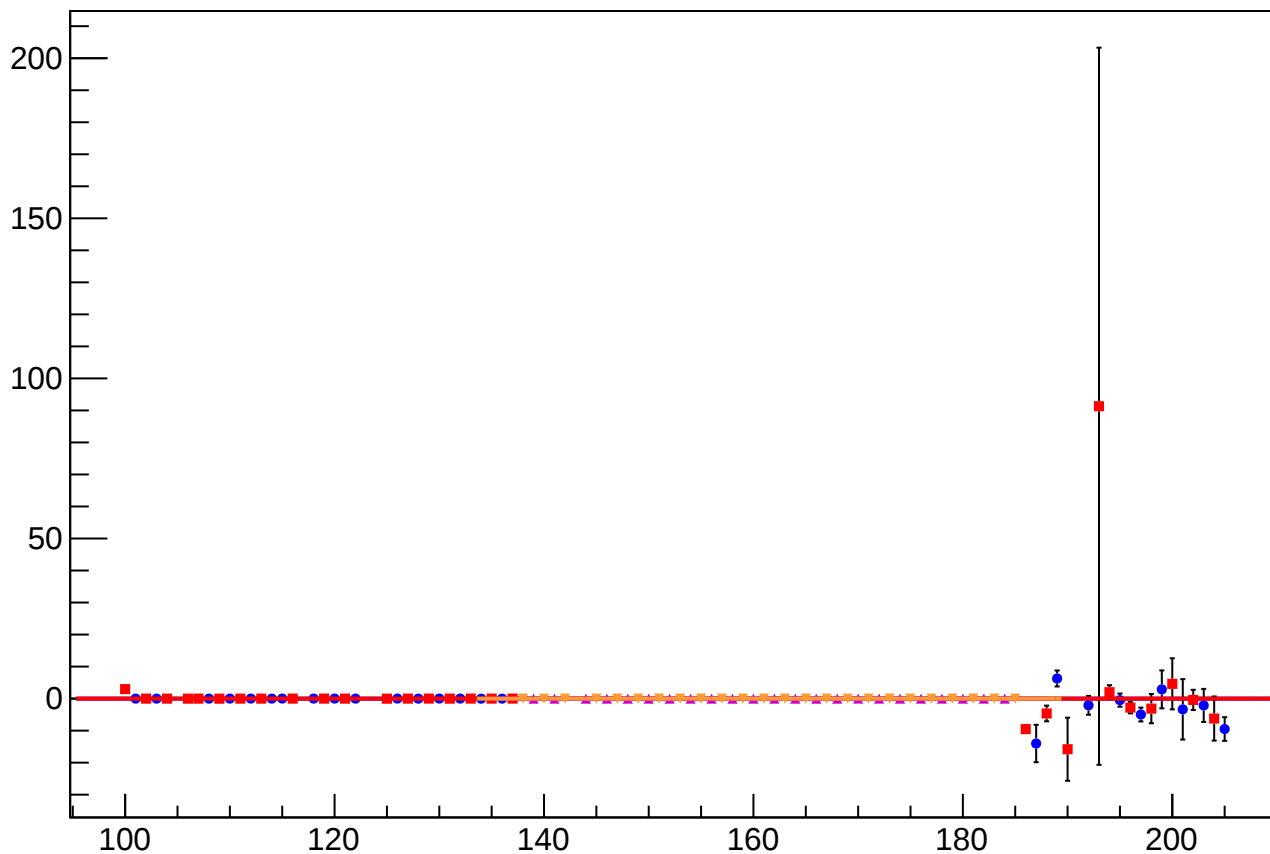
Left In: 0.006 $\pm$ 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 $\pm$ 0.014 χ^2/NDF : 70.0/48

All: 0.004 $\pm$ 0.010 χ^2/NDF : 165.0/99

- sign -0.007 $\pm$ 0.014 χ^2/NDF : 94.0/50

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006+/-0.001 χ^2/NDF : 52.5/24

Left Out: -0.008+/-0.001 χ^2/NDF : 32.0/23

Right Out: -0.006+/-0.001 χ^2/NDF : 214.6/27

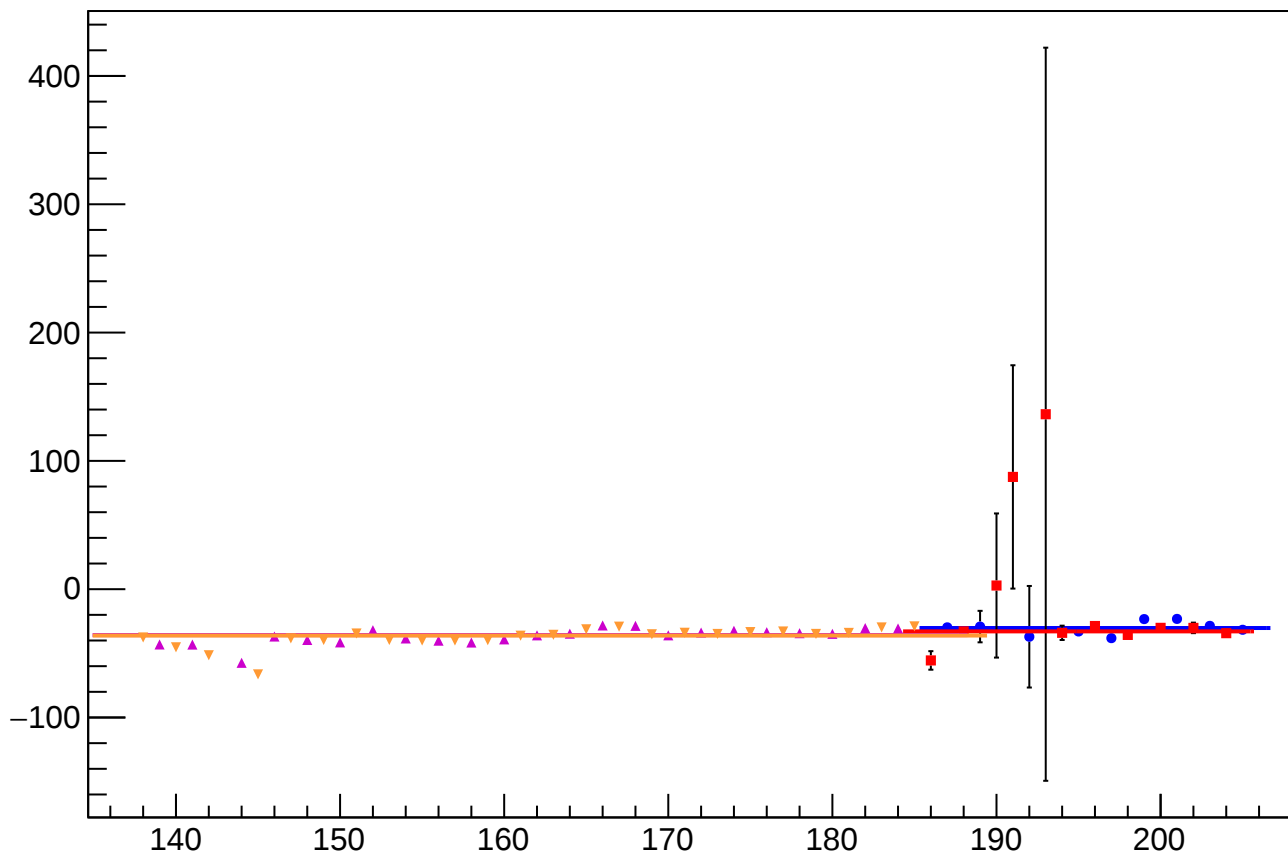
Left In: -0.009+/-0.001 χ^2/NDF : 37.2/22

+ sign -0.008+/-0.001 χ^2/NDF : 86.2/48

All: -0.008+/-0.000 χ^2/NDF : 341.1/99

- sign -0.008+/-0.001 χ^2/NDF : 254.8/50

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -30.262 ± 0.924 χ^2/NDF : 20.0/8

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.884 ± 0.870 χ^2/NDF : 16.9/10

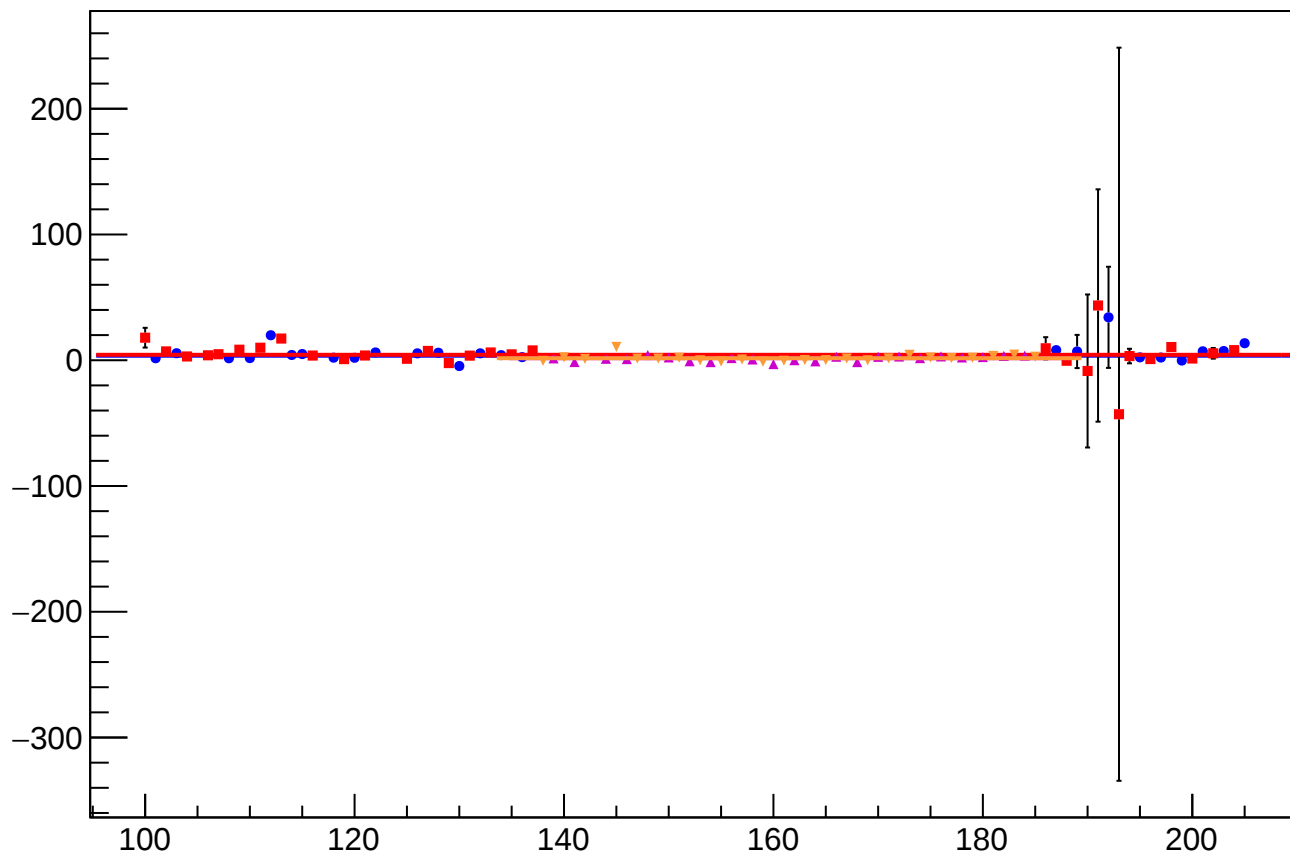
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.878 ± 0.188 χ^2/NDF : 1173.5/32

All: -35.761 ± 0.133 χ^2/NDF : 2055.8/66

- sign -35.646 ± 0.187 χ^2/NDF : 881.6/33

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.617 ± 0.217 χ^2/NDF : 455.4/24

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.325 ± 0.221 χ^2/NDF : 366.6/28

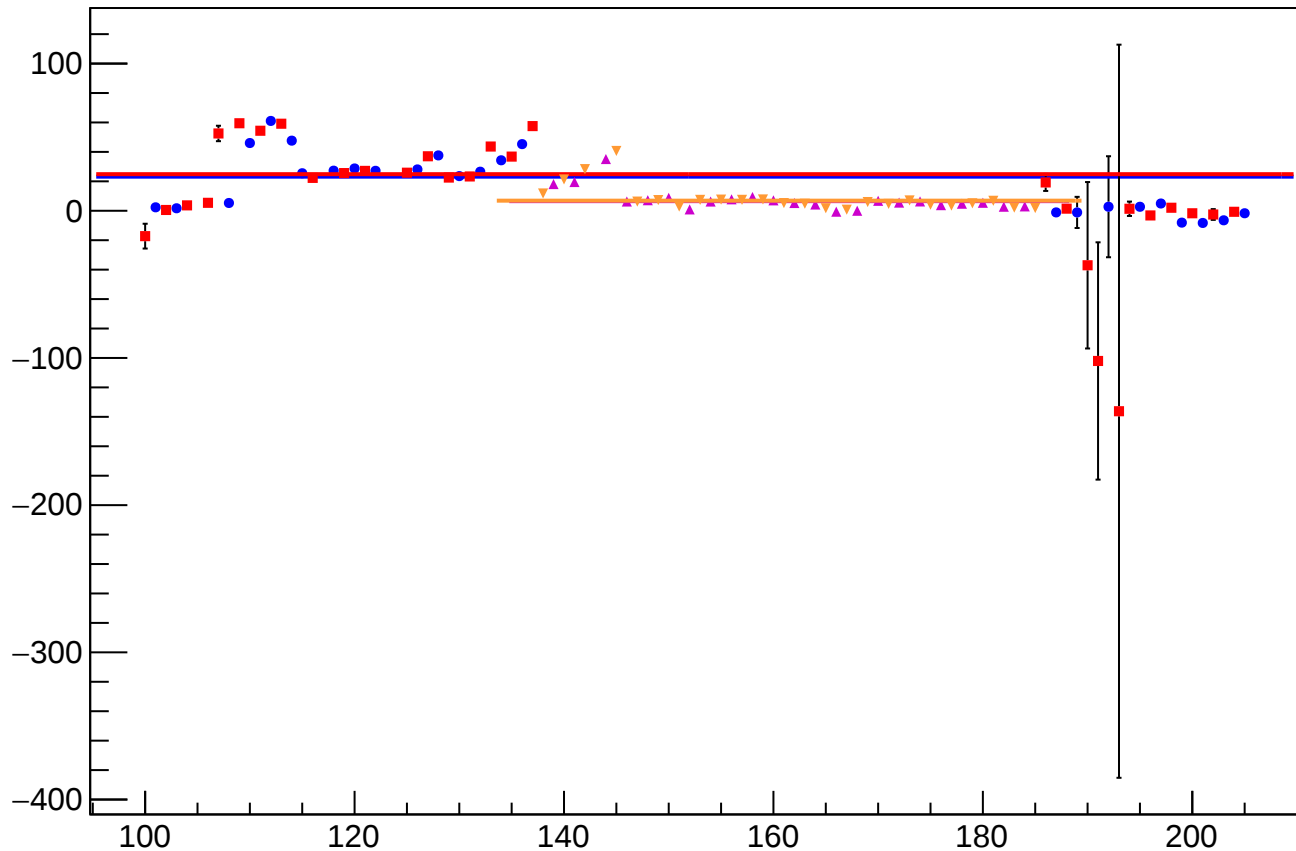
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.262 ± 0.122 χ^2/NDF : 679.0/48

All: 2.371 ± 0.087 χ^2/NDF : 1311.4/100

- sign 2.483 ± 0.124 χ^2/NDF : 630.9/51

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 23.180 $\pm$ 0.375 χ^2 /NDF: 2628.8/24

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 24.863 $\pm$ 0.367 χ^2 /NDF: 3093.6/28

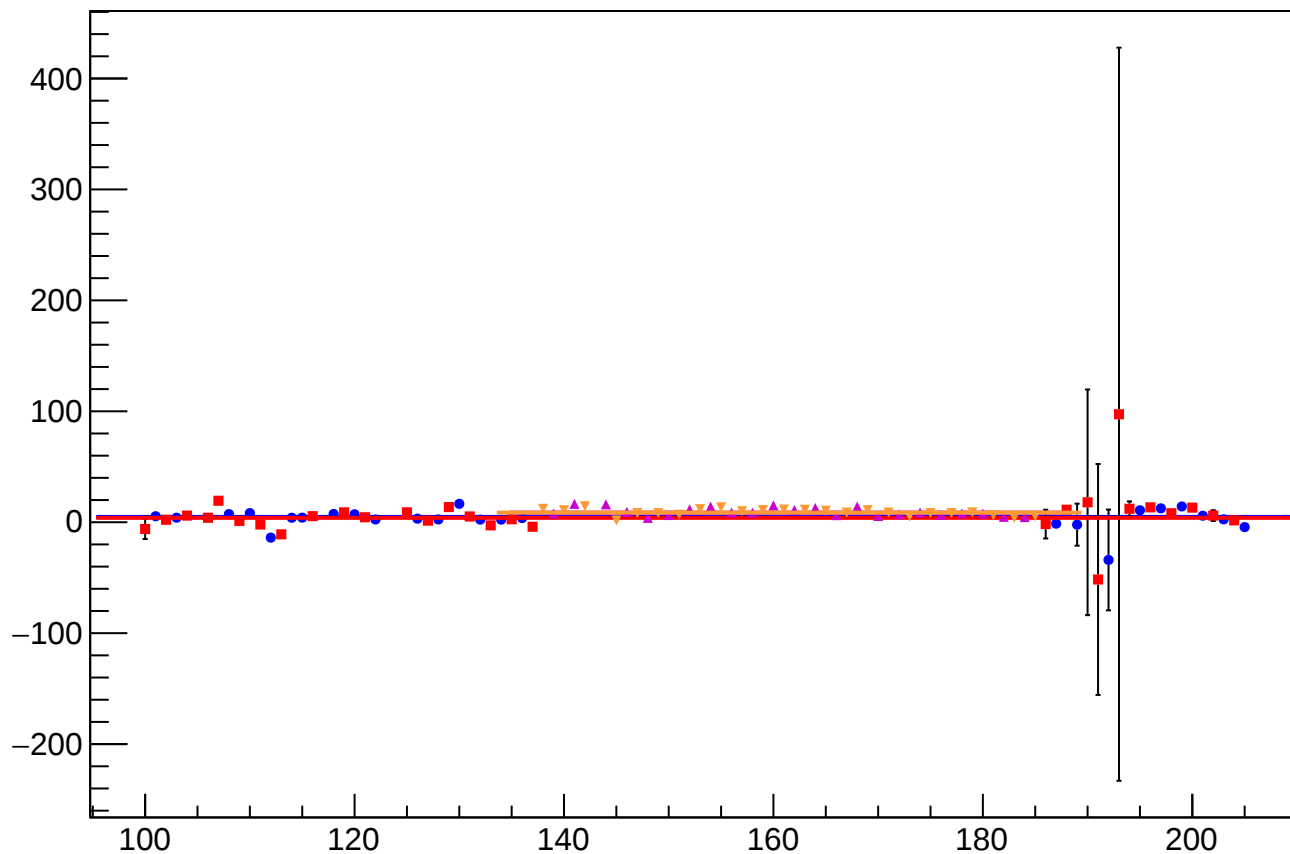
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.233 $\pm$ 0.170 χ^2 /NDF: 5424.0/48

All: 10.325 $\pm$ 0.120 χ^2 /NDF: 11504.3/100

- sign 10.415 $\pm$ 0.169 χ^2 /NDF: 6079.7/51

reg asym left avg diff bpm4eY slope vs Slug



Right In: 4.786+/-0.251 χ^2/NDF : 569.9/24

Left Out: 8.695+/-0.169 χ^2/NDF :241.0/23

Right Out: 3.960 ± 0.255 χ^2/NDF : 587.6/28

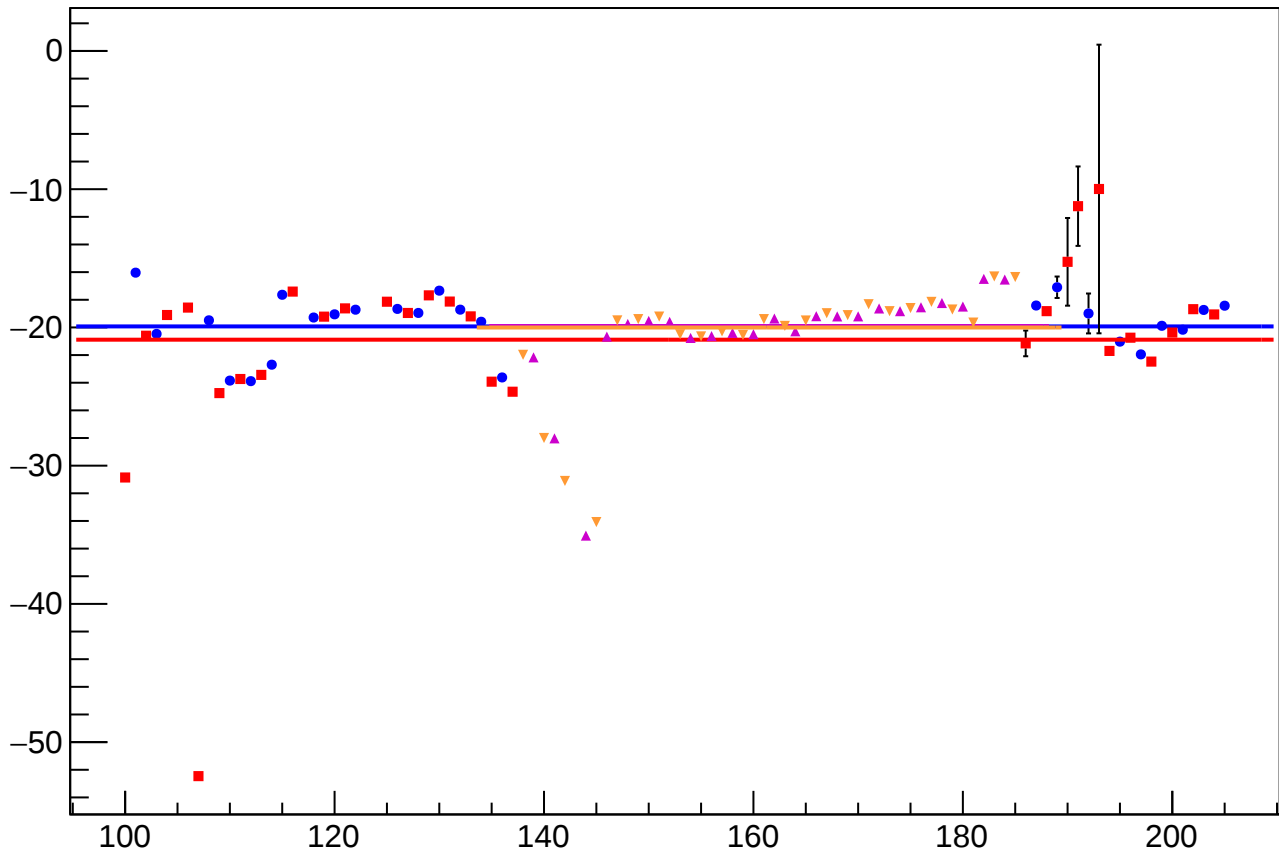
Left In: 8.668+/-0.170 χ^2/NDF :436.7/22

+ sign 7.473+/-0.140 χ^2/NDF : 978.1/48

All: 7.347 ± 0.100 χ^2/NDF : 2239.8/100

- sign 7.218+/-0.142 χ^2/NDF : 1260.1/51

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.926 ± 0.015 χ^2/NDF : 26596.1/24

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.887 ± 0.015 χ^2/NDF : 94815.9/28

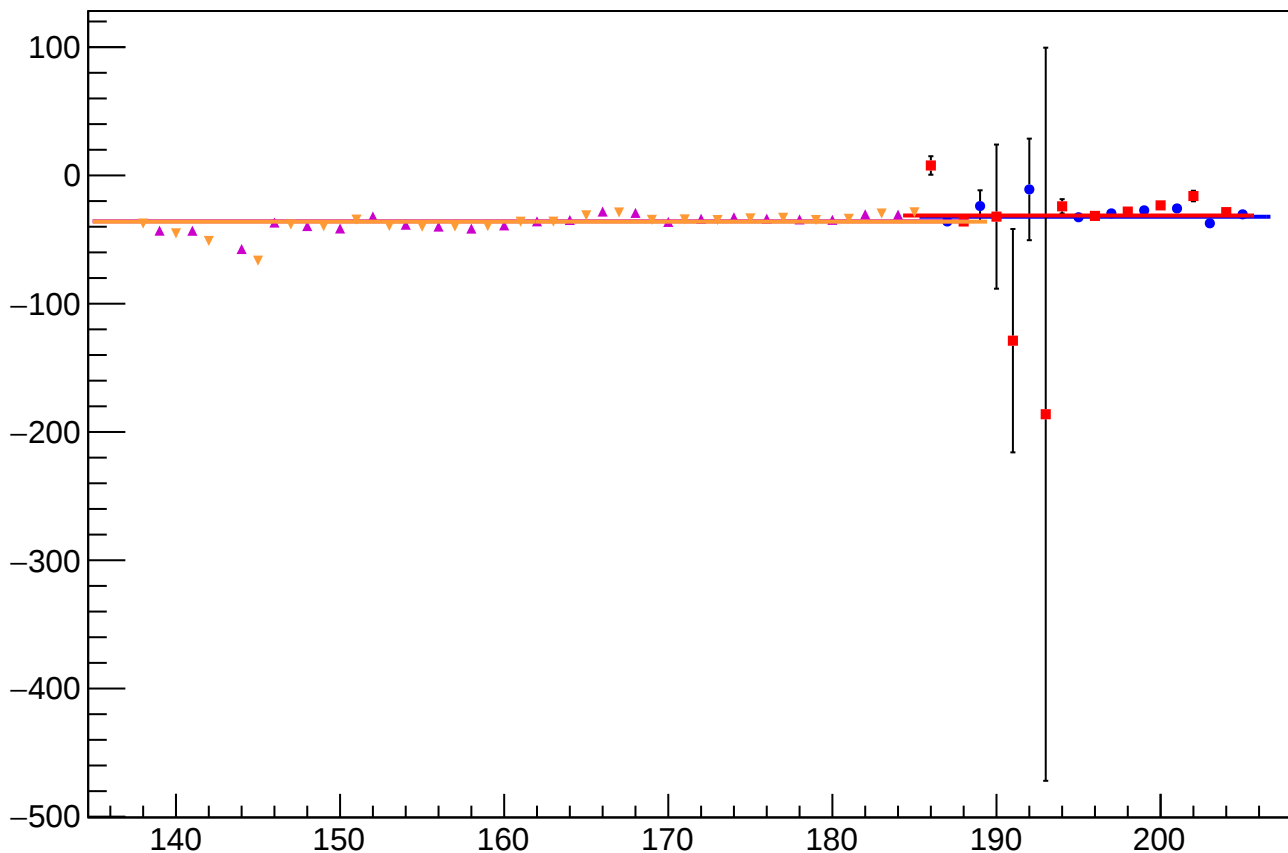
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.988 ± 0.007 χ^2/NDF : 198382.0/48

All: -20.049 ± 0.005 χ^2/NDF : 440944.2/100

- sign -20.110 ± 0.007 χ^2/NDF : 242410.6/51

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.216 ± 0.927 $\chi^2/\text{NDF}: 17.2/8$

Left Out: -36.031 ± 0.192 $\chi^2/\text{NDF}: 1121.3/23$

Right Out: -31.246 ± 0.872 $\chi^2/\text{NDF}: 69.6/10$

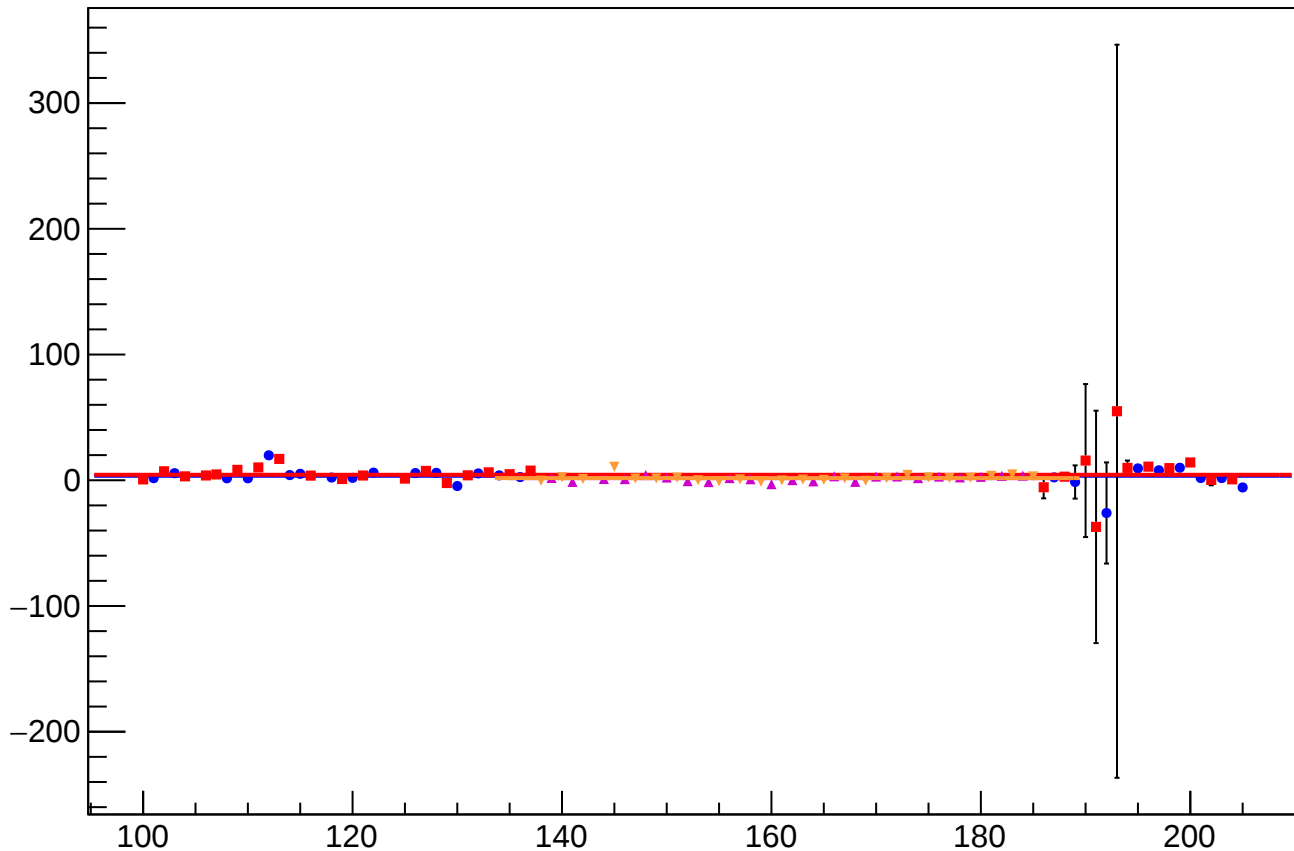
Left In: -35.766 ± 0.191 $\chi^2/\text{NDF}: 842.6/22$

+ sign -35.874 ± 0.188 $\chi^2/\text{NDF}: 1154.7/32$

All: -35.716 ± 0.132 $\chi^2/\text{NDF}: 2093.9/66$

- sign -35.559 ± 0.187 $\chi^2/\text{NDF}: 937.8/33$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.577 ± 0.217 χ^2/NDF : 455.5/24

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.358 ± 0.218 χ^2/NDF : 372.0/28

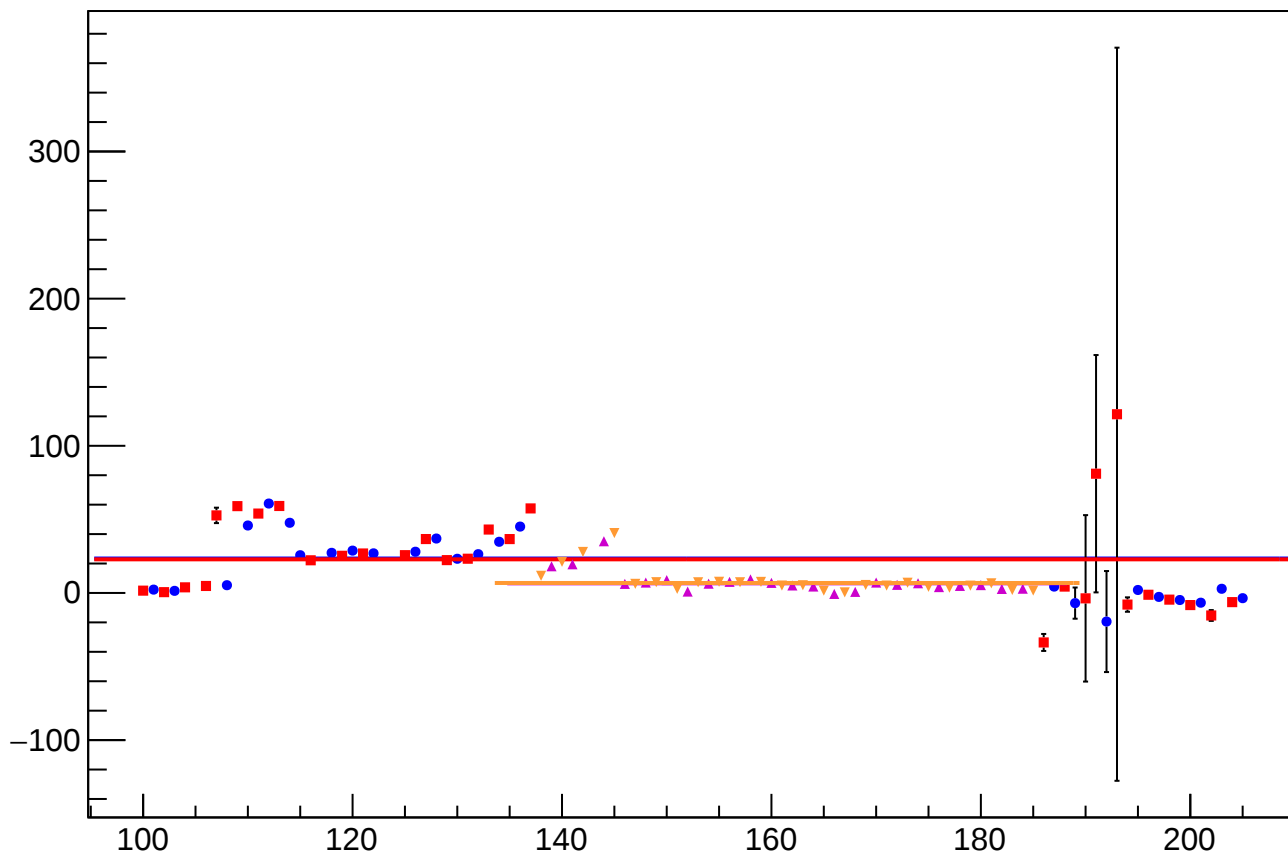
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.311 ± 0.122 χ^2/NDF : 673.5/48

All: 2.432 ± 0.087 χ^2/NDF : 1311.5/100

- sign 2.555 ± 0.123 χ^2/NDF : 636.0/51

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 23.393 ± 0.375 χ^2/NDF : 2493.9/24

Left Out: 6.779 ± 0.191 χ^2/NDF : 1297.7/23

Right Out: 22.841 ± 0.354 χ^2/NDF : 3486.8/28

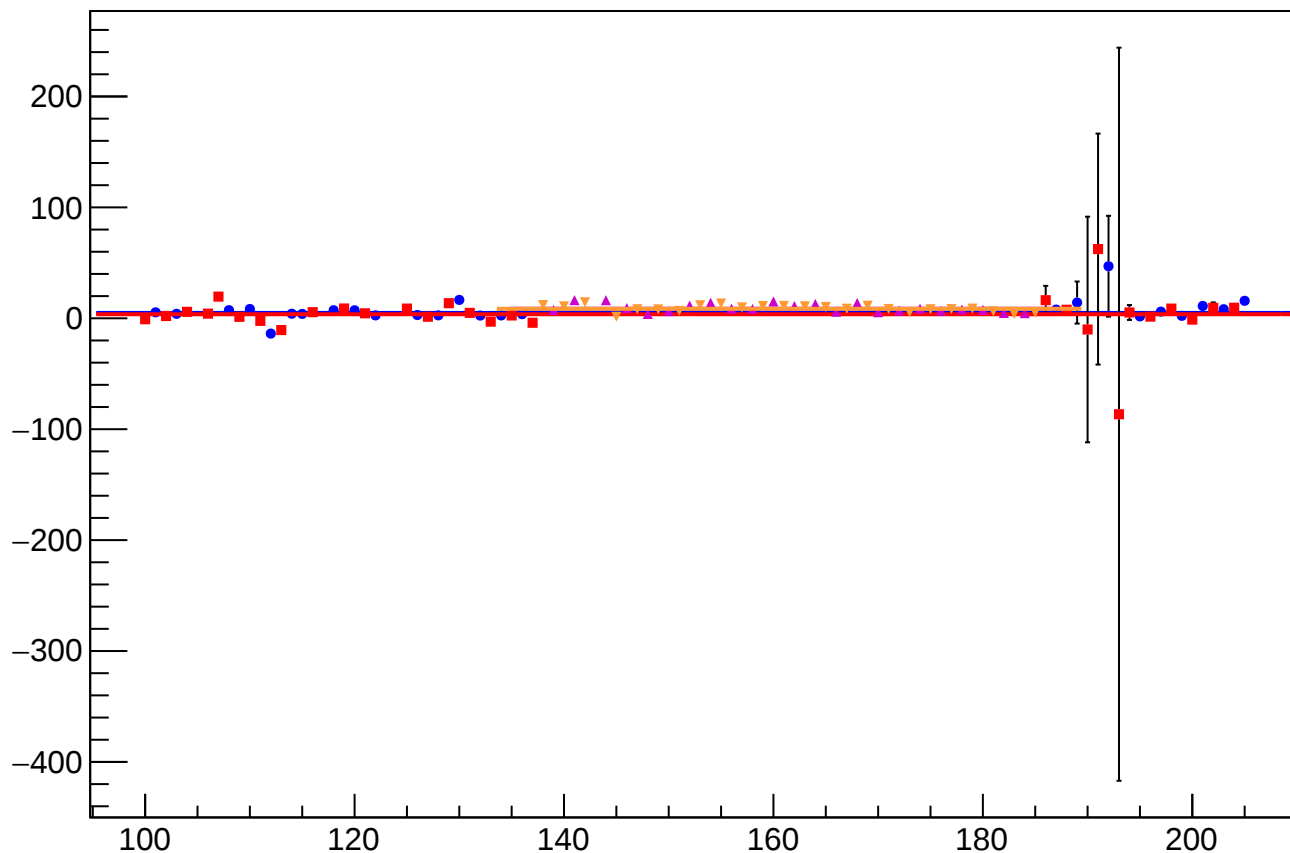
Left In: 6.532 ± 0.190 χ^2/NDF : 1018.2/22

+ sign 10.205 ± 0.170 χ^2/NDF : 5346.9/48

All: 10.195 ± 0.119 χ^2/NDF : 11498.2/100

- sign 10.187 ± 0.168 χ^2/NDF : 6151.3/51

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.837 ± 0.250 χ^2/NDF : 558.6/24

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.647 ± 0.251 χ^2/NDF : 581.2/28

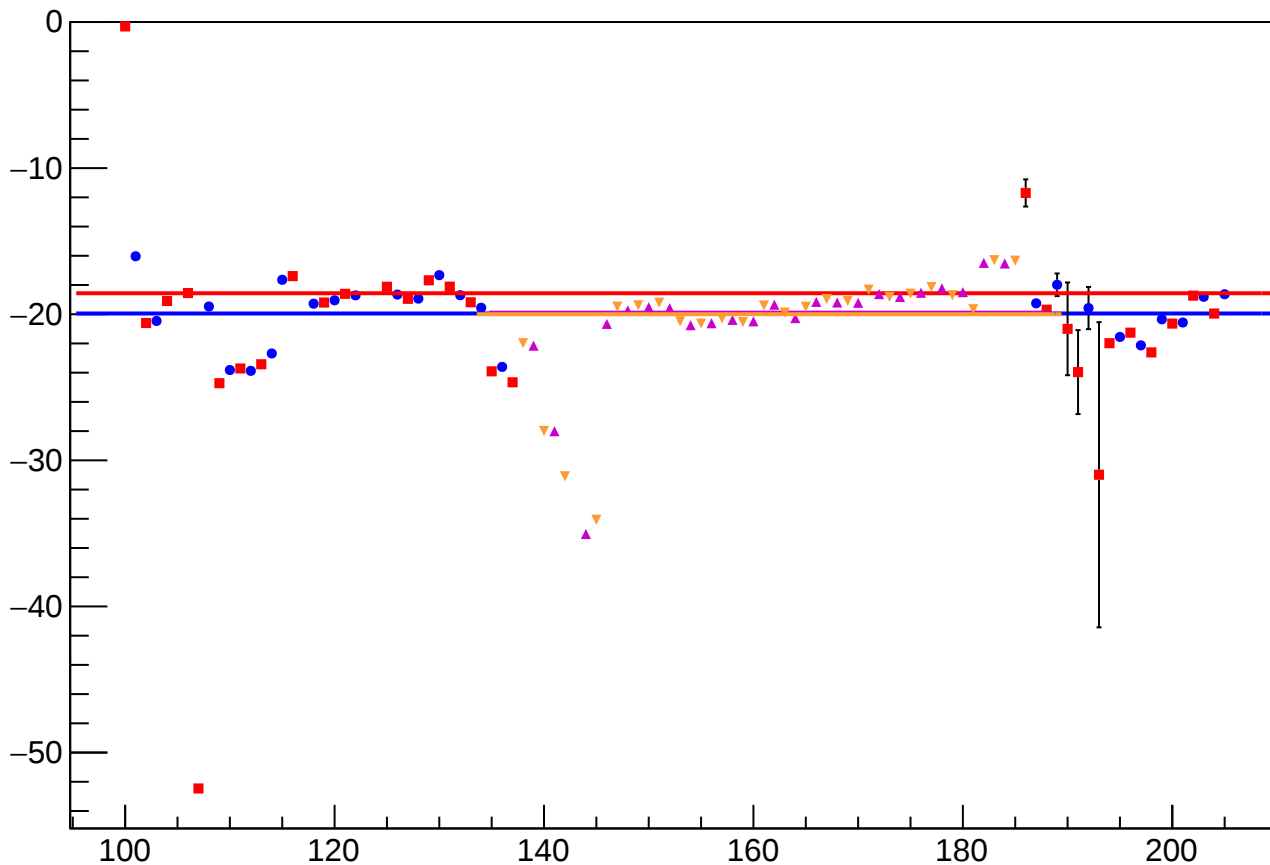
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.414 ± 0.140 χ^2/NDF : 958.0/48

All: 7.223 ± 0.099 χ^2/NDF : 2250.3/100

- sign 7.030 ± 0.141 χ^2/NDF : 1288.6/51

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.949 ± 0.015 $\chi^2/\text{NDF}: 26731.0/24$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.563 ± 0.014 $\chi^2/\text{NDF}: 303716.5/28$

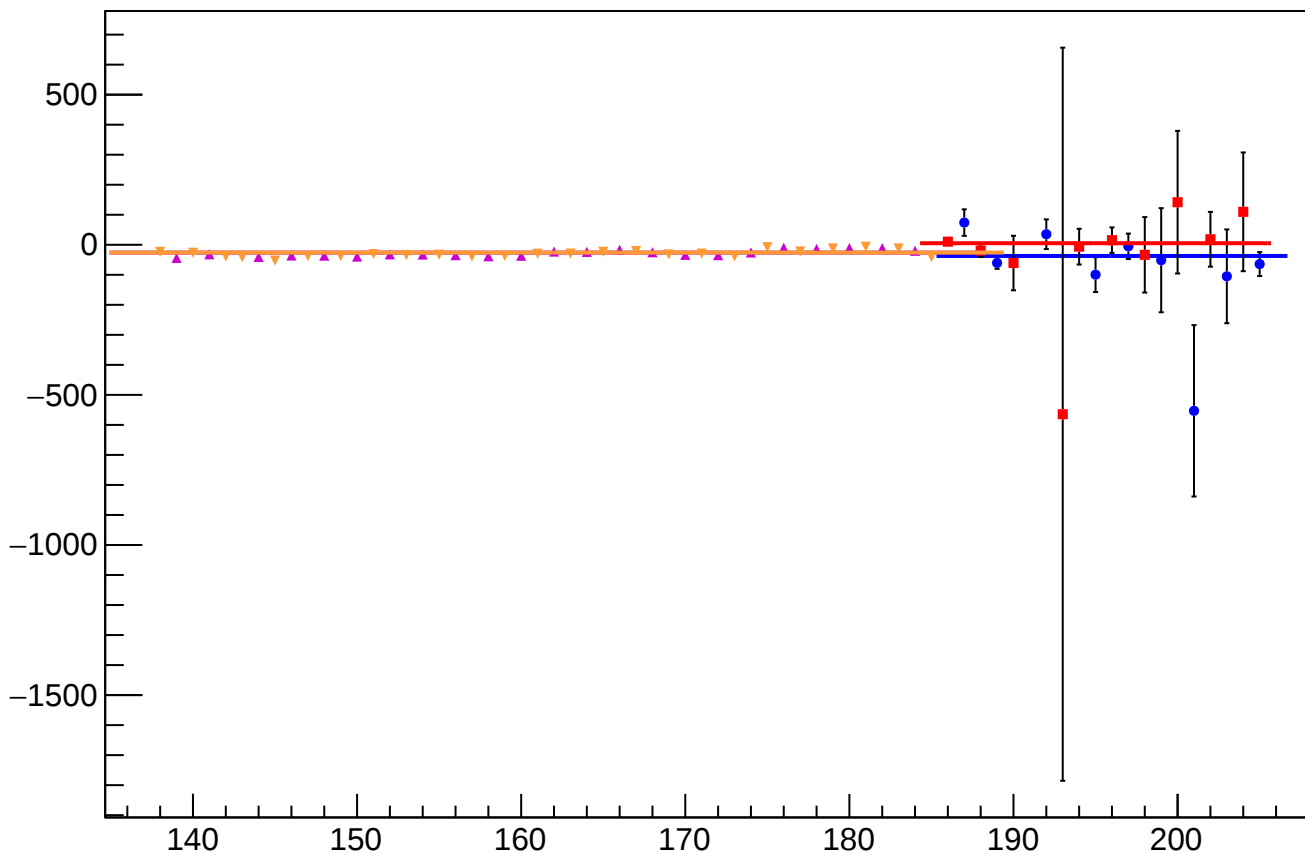
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.987 ± 0.007 $\chi^2/\text{NDF}: 198684.0/48$

All: -19.780 ± 0.005 $\chi^2/\text{NDF}: 654901.0/100$

- sign -19.580 ± 0.007 $\chi^2/\text{NDF}: 454481.4/51$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -37.206 ± 14.077 χ^2/NDF : 15.5/8

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 5.194 ± 8.251 χ^2/NDF : 3.3/9

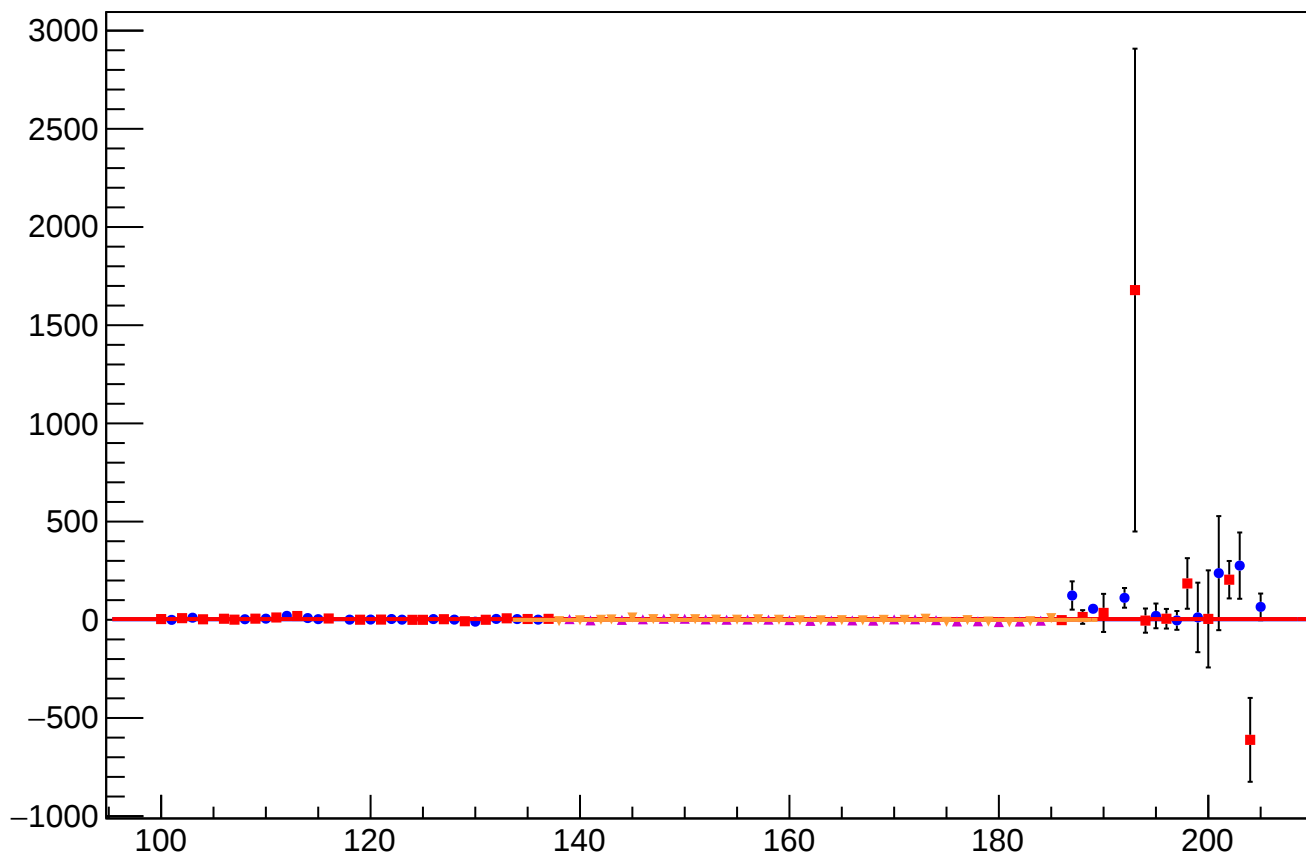
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.887 ± 0.192 χ^2/NDF : 4174.1/33

All: -25.959 ± 0.137 χ^2/NDF : 7471.5/66

- sign -26.035 ± 0.195 χ^2/NDF : 3297.1/32

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.474+/-0.315 χ^2/NDF : 311.8/25

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.713+/-0.327 χ^2/NDF : 286.1/28

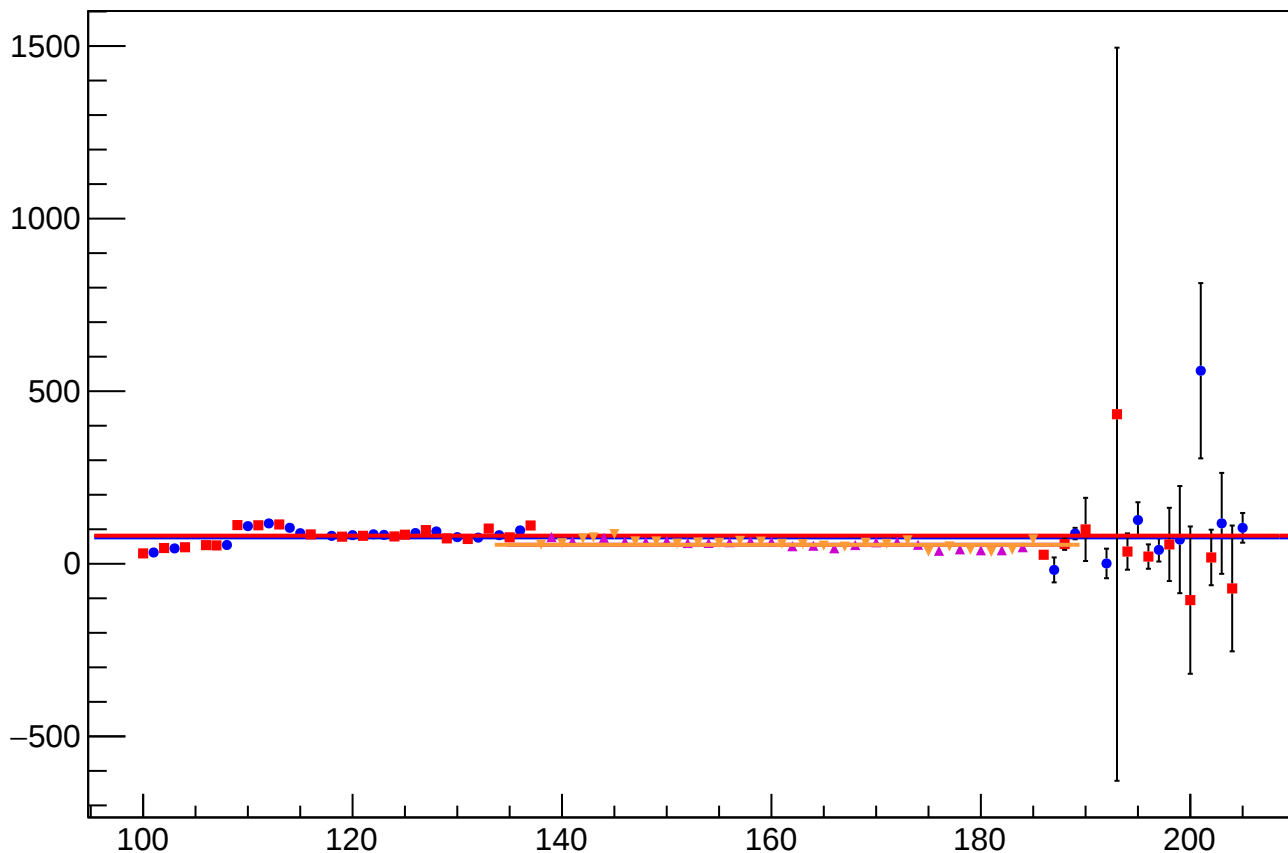
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1713.9/50

All: -0.081+/-0.095 χ^2/NDF : 3228.5/102

- sign -0.062+/-0.137 χ^2/NDF : 1514.5/51

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.534 $\pm$ 0.576 χ^2 /NDF: 2269.3/25

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.488 $\pm$ 0.591 χ^2 /NDF: 1632.6/28

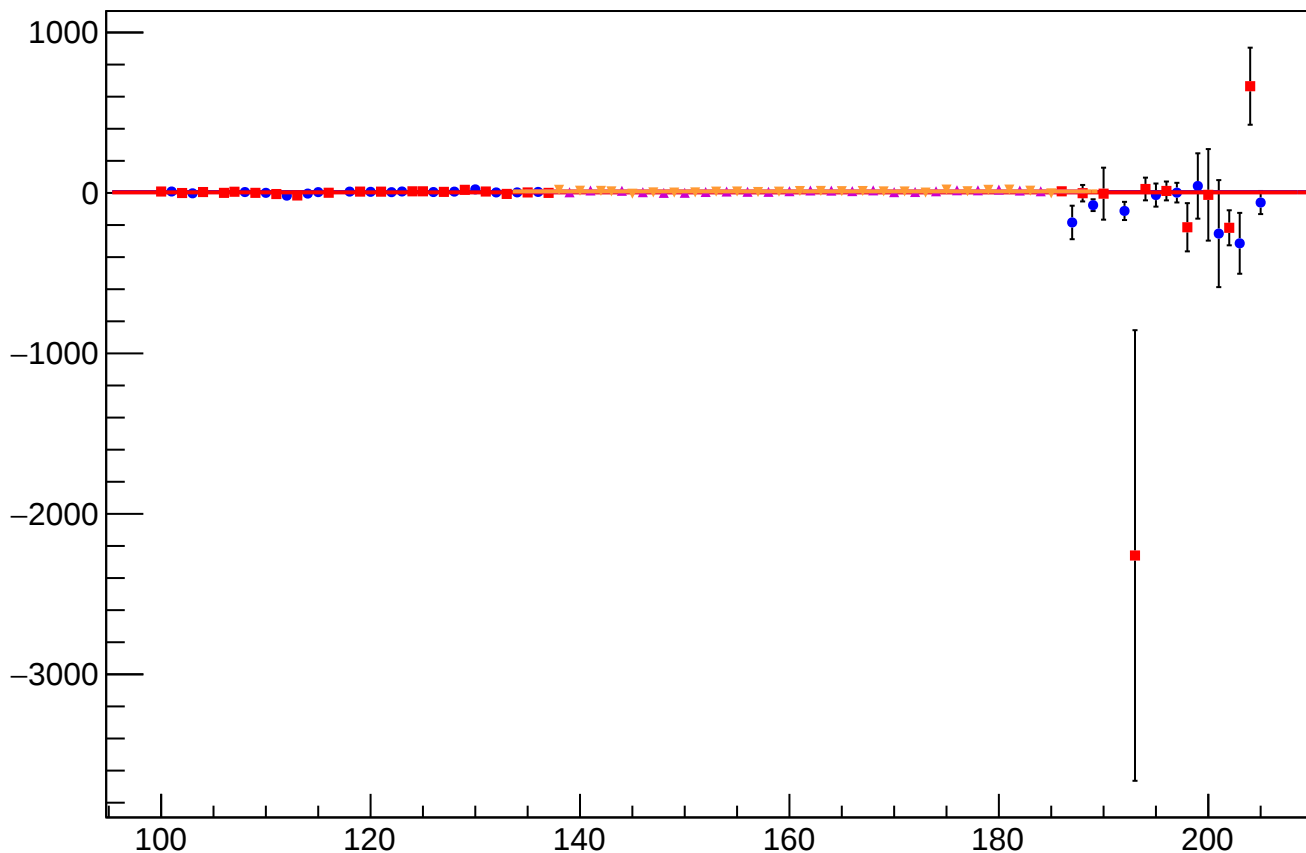
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8094.8/50

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15239.8/102

- sign 57.630 $\pm$ 0.184 χ^2 /NDF: 7142.6/51

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.409 ± 0.361 χ^2/NDF : 402.6/25

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.583 ± 0.375 χ^2/NDF : 438.2/28

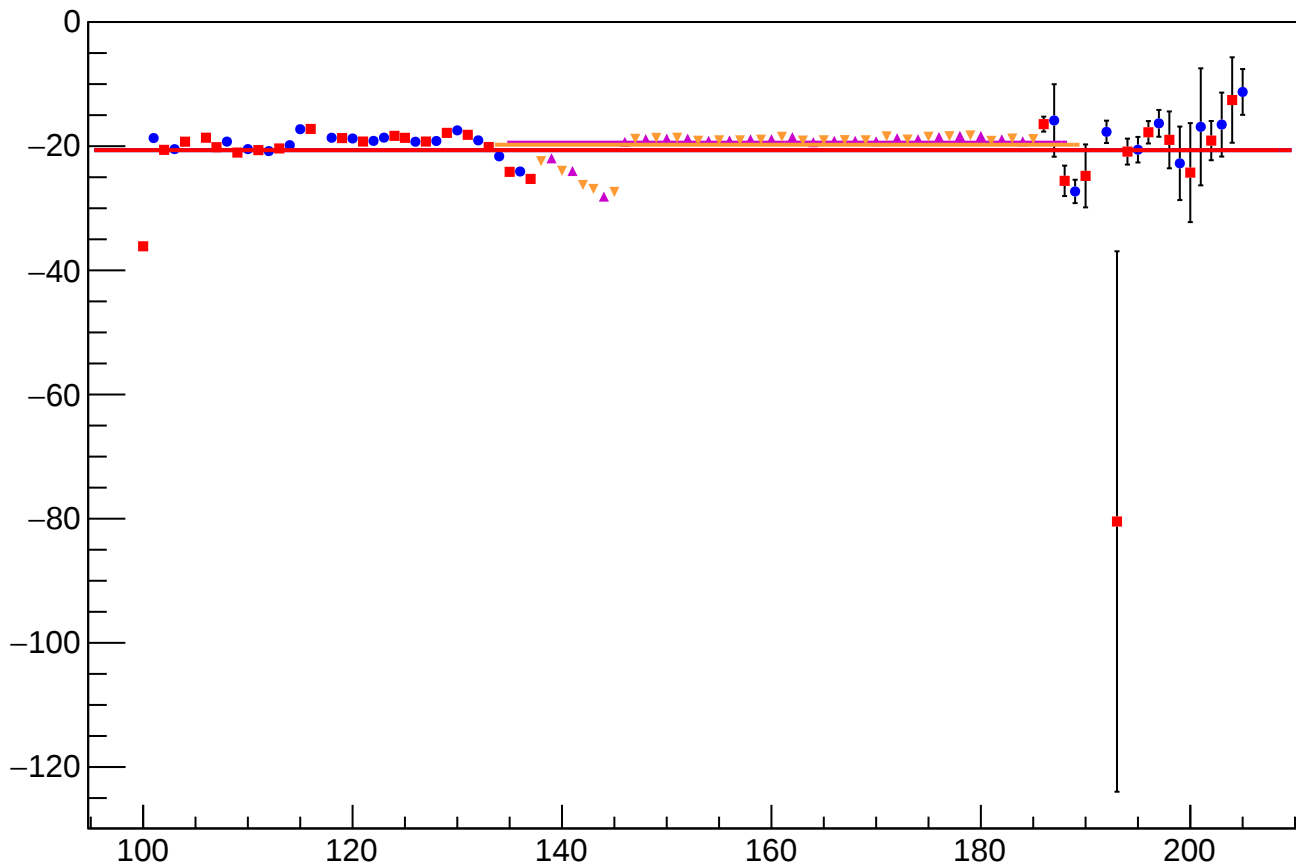
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1971.0/50

All: 8.851 ± 0.109 χ^2/NDF : 3796.3/102

- sign 8.728 ± 0.156 χ^2/NDF : 1824.0/51

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12451.4/25$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13809.1/28$

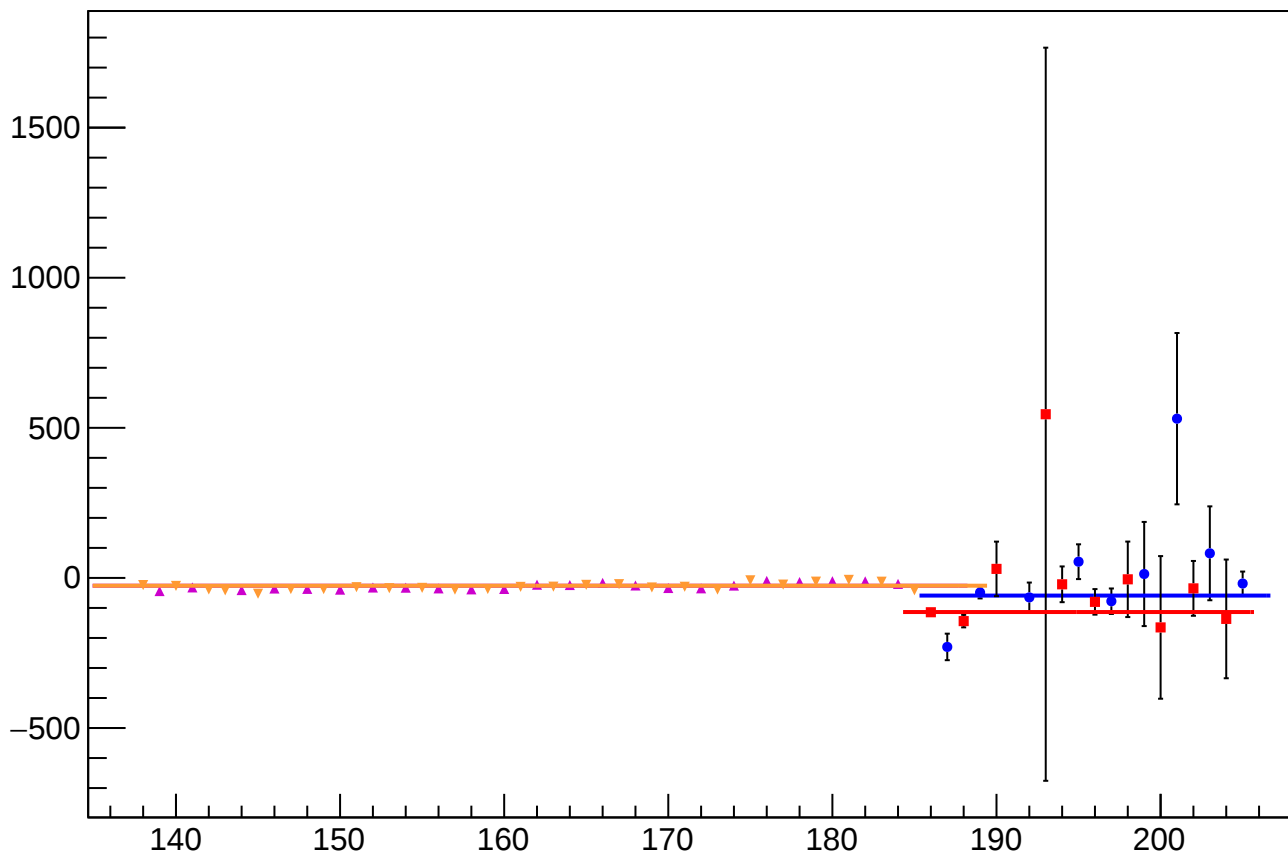
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105829.0/50$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176836.2/102$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70255.0/51$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -58.819 ± 14.088 χ^2/NDF : 25.5/8

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -113.624 ± 8.257 χ^2/NDF : 9.5/9

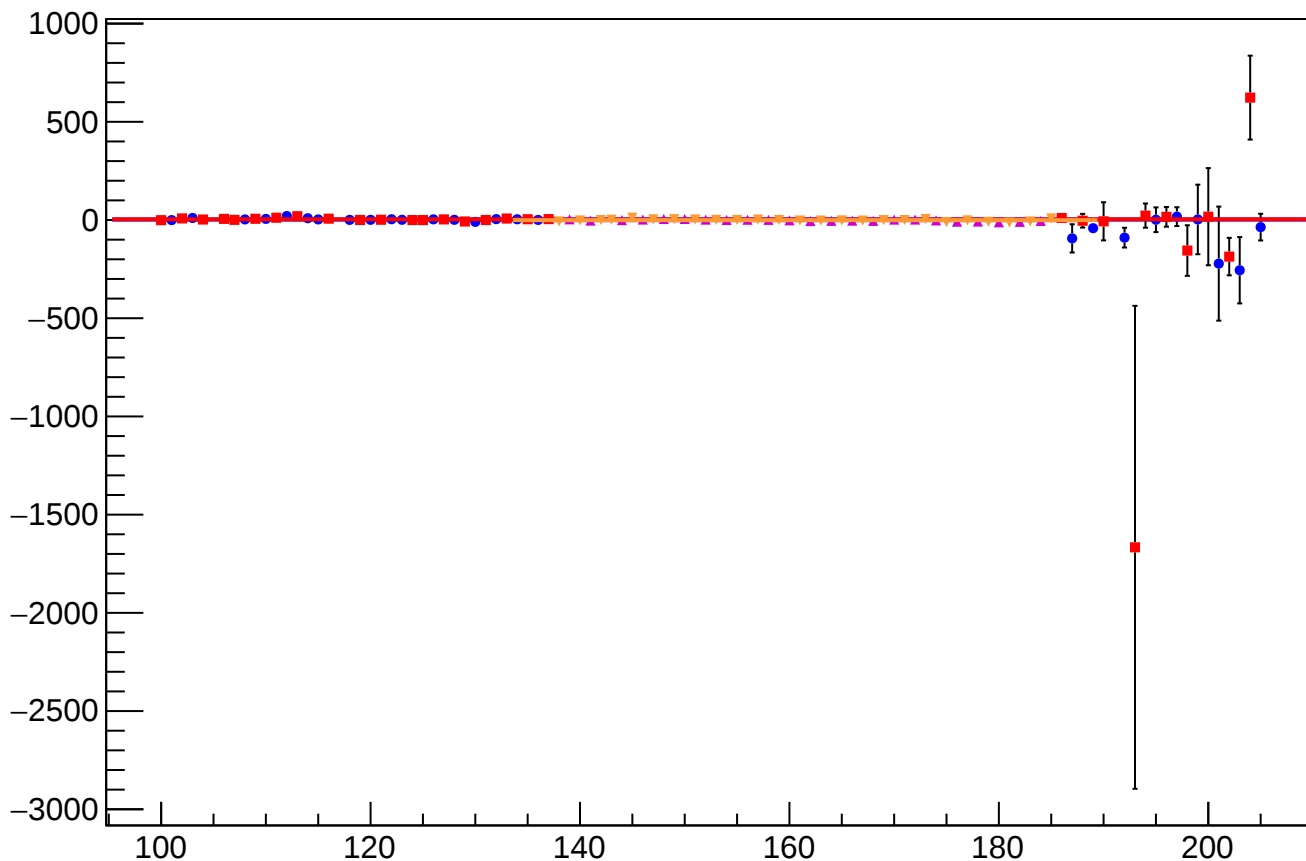
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4158.5/33

All: -25.998 ± 0.137 χ^2/NDF : 7527.7/66

- sign -26.095 ± 0.195 χ^2/NDF : 3368.7/32

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.440 ± 0.315 $\chi^2/\text{NDF}: 304.6/25$

Left Out: -0.596 ± 0.146 $\chi^2/\text{NDF}: 1310.7/24$

Right Out: 3.595 ± 0.318 $\chi^2/\text{NDF}: 296.3/28$

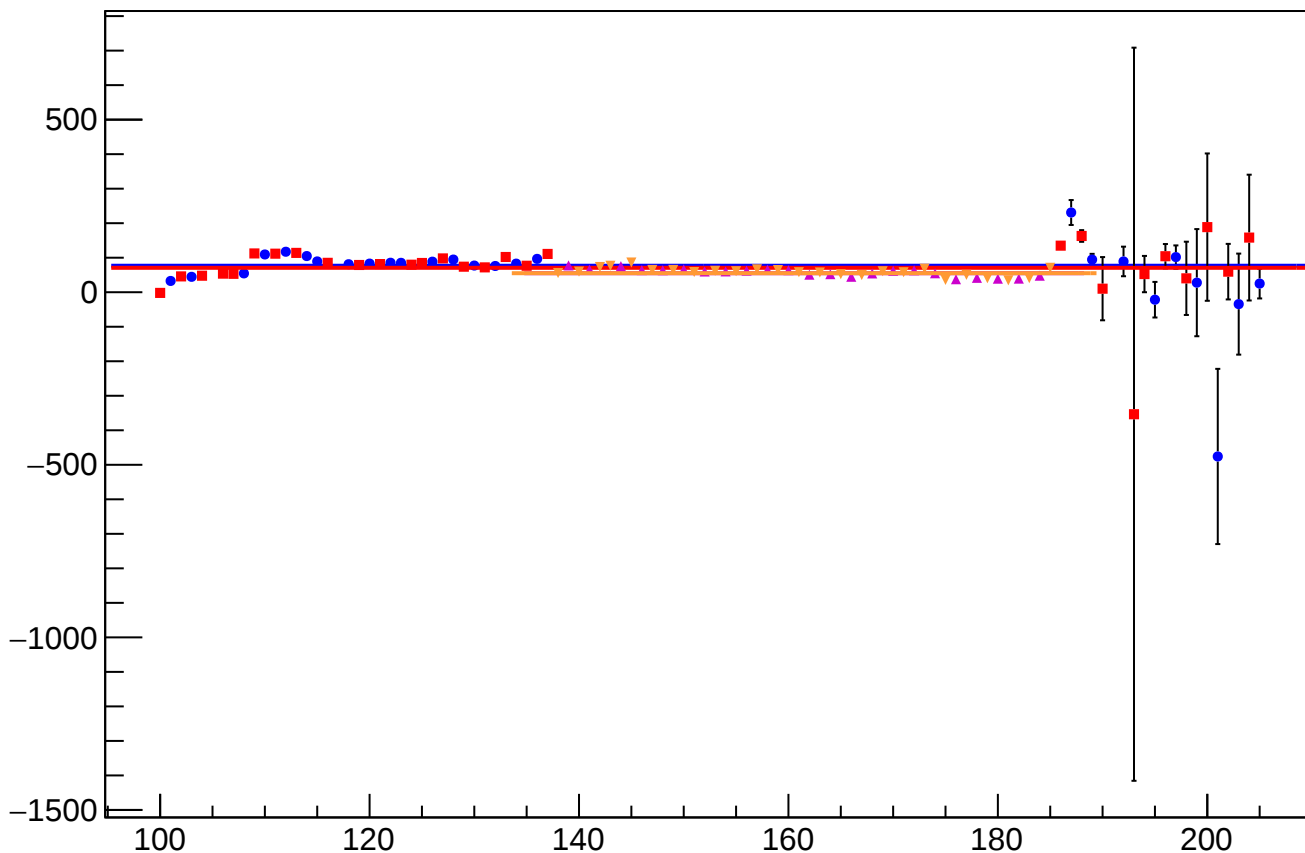
Left In: -0.795 ± 0.151 $\chi^2/\text{NDF}: 1106.3/22$

+ sign -0.057 ± 0.133 $\chi^2/\text{NDF}: 1691.8/50$

All: -0.025 ± 0.095 $\chi^2/\text{NDF}: 3250.2/102$

- sign 0.009 ± 0.136 $\chi^2/\text{NDF}: 1558.3/51$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.718 ± 0.577 $\chi^2/\text{NDF}: 2295.3/25$

Left Out: 55.111 ± 0.192 $\chi^2/\text{NDF}: 4560.2/24$

Right Out: 70.756 ± 0.549 $\chi^2/\text{NDF}: 4491.4/28$

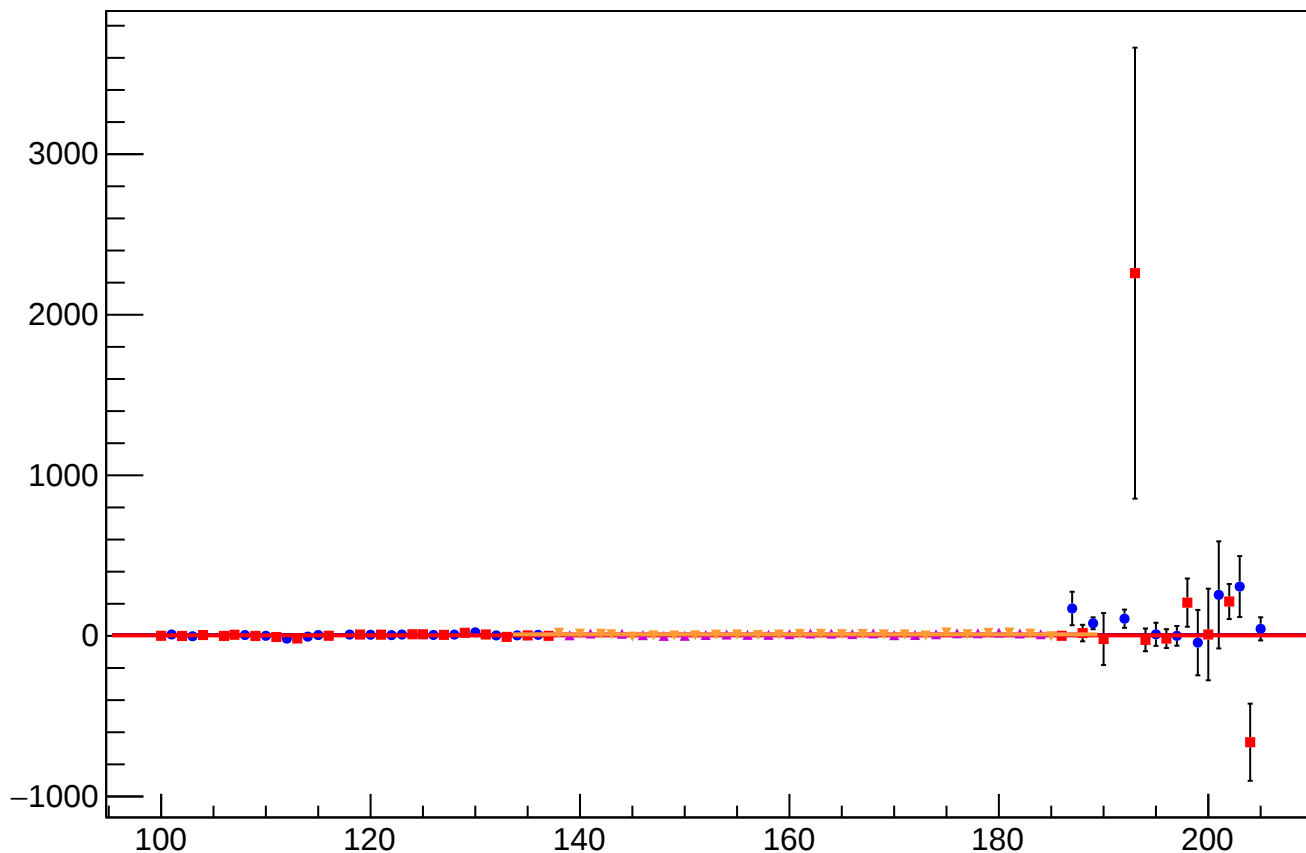
Left In: 55.094 ± 0.194 $\chi^2/\text{NDF}: 3664.6/22$

+ sign 57.260 ± 0.182 $\chi^2/\text{NDF}: 8120.3/50$

All: 57.045 ± 0.129 $\chi^2/\text{NDF}: 17003.6/102$

- sign 56.828 ± 0.183 $\chi^2/\text{NDF}: 8880.6/51$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.443 ± 0.361 χ^2/NDF : 397.3/25

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.280 ± 0.365 χ^2/NDF : 441.3/28

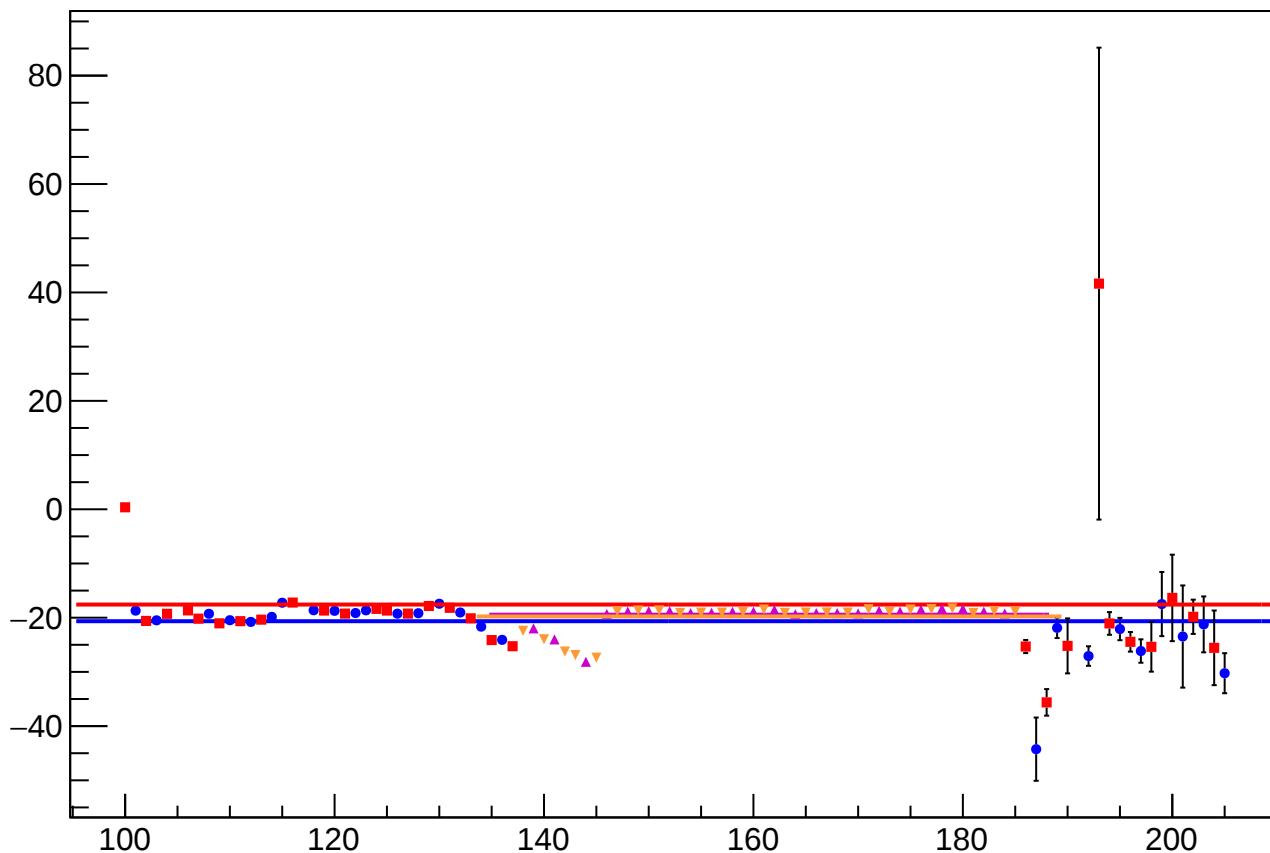
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1951.6/50

All: 8.750 ± 0.109 χ^2/NDF : 3842.4/102

- sign 8.569 ± 0.155 χ^2/NDF : 1888.1/51

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 $\chi^2/\text{NDF}: 12506.4/25$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.575 ± 0.018 $\chi^2/\text{NDF}: 178439.6/28$

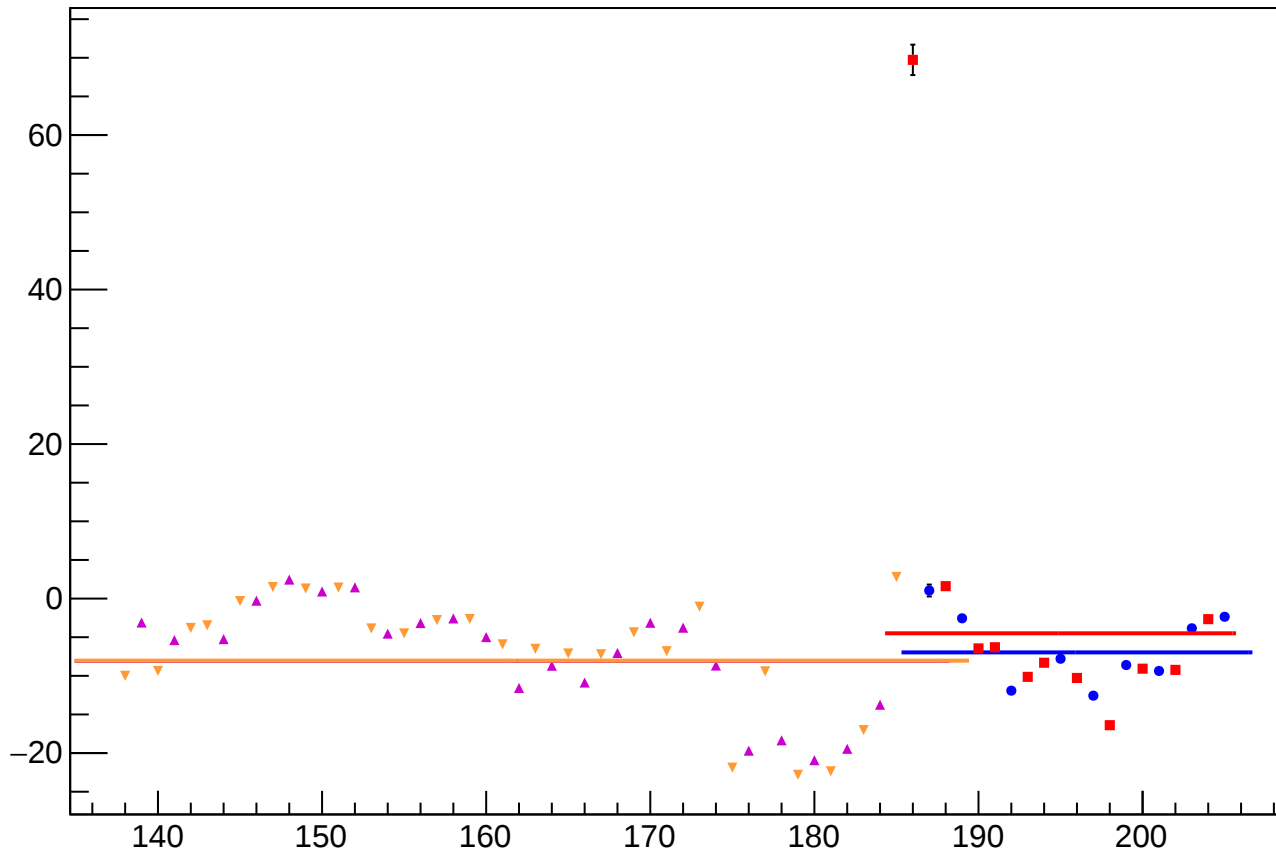
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105757.1/50$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351722.5/102$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240553.1/51$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -6.965+/-0.137 χ^2/NDF : 903.6/8

Left Out: -8.034+/-0.070 χ^2/NDF : 12568.0/24

Right Out: -4.495+/-0.113 χ^2/NDF : 3923.9/10

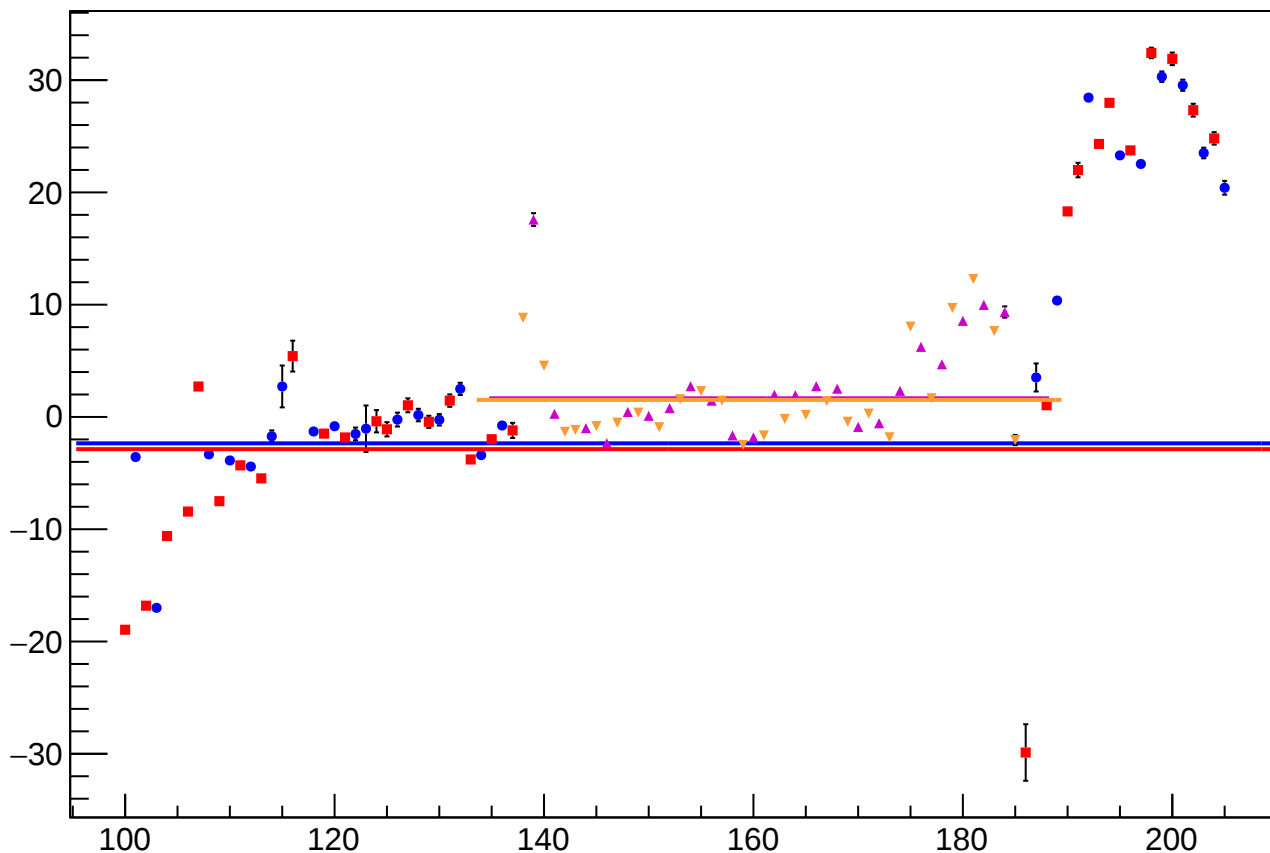
Left In: -8.078+/-0.072 χ^2/NDF : 10541.6/22

+ sign -7.811+/-0.063 χ^2/NDF : 13520.0/33

All: -7.417+/-0.044 χ^2/NDF : 28777.1/67

- sign -7.046+/-0.061 χ^2/NDF : 15180.1/33

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -2.349 ± 0.052 $\chi^2/\text{NDF}: 40266.4/25$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -2.867 ± 0.054 $\chi^2/\text{NDF}: 51240.7/29$

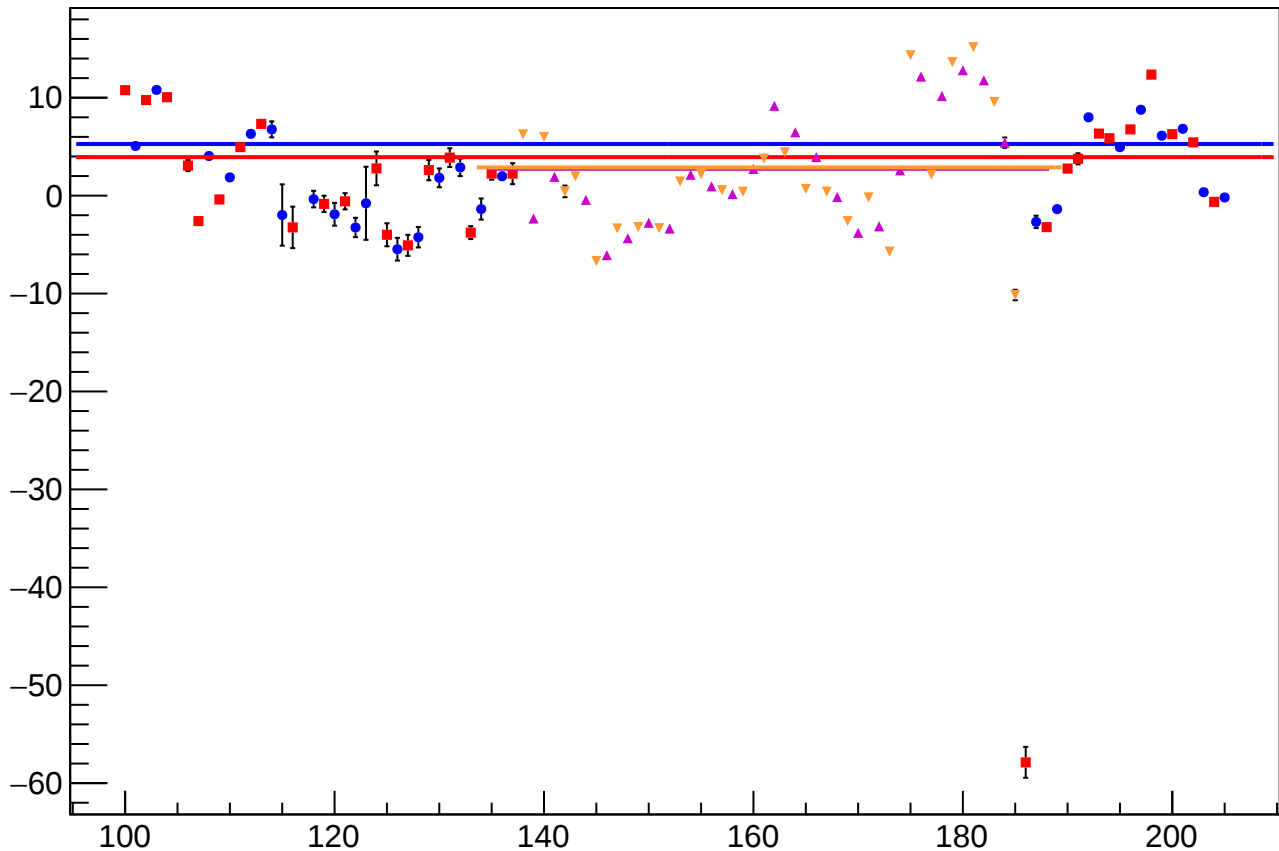
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -0.507 ± 0.038 $\chi^2/\text{NDF}: 47764.3/50$

All: -0.600 ± 0.027 $\chi^2/\text{NDF}: 106395.5/103$

- sign -0.700 ± 0.039 $\chi^2/\text{NDF}: 58618.5/52$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.273 ± 0.073 χ^2/NDF : 2572.0/25

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.932 ± 0.068 χ^2/NDF : 7777.0/29

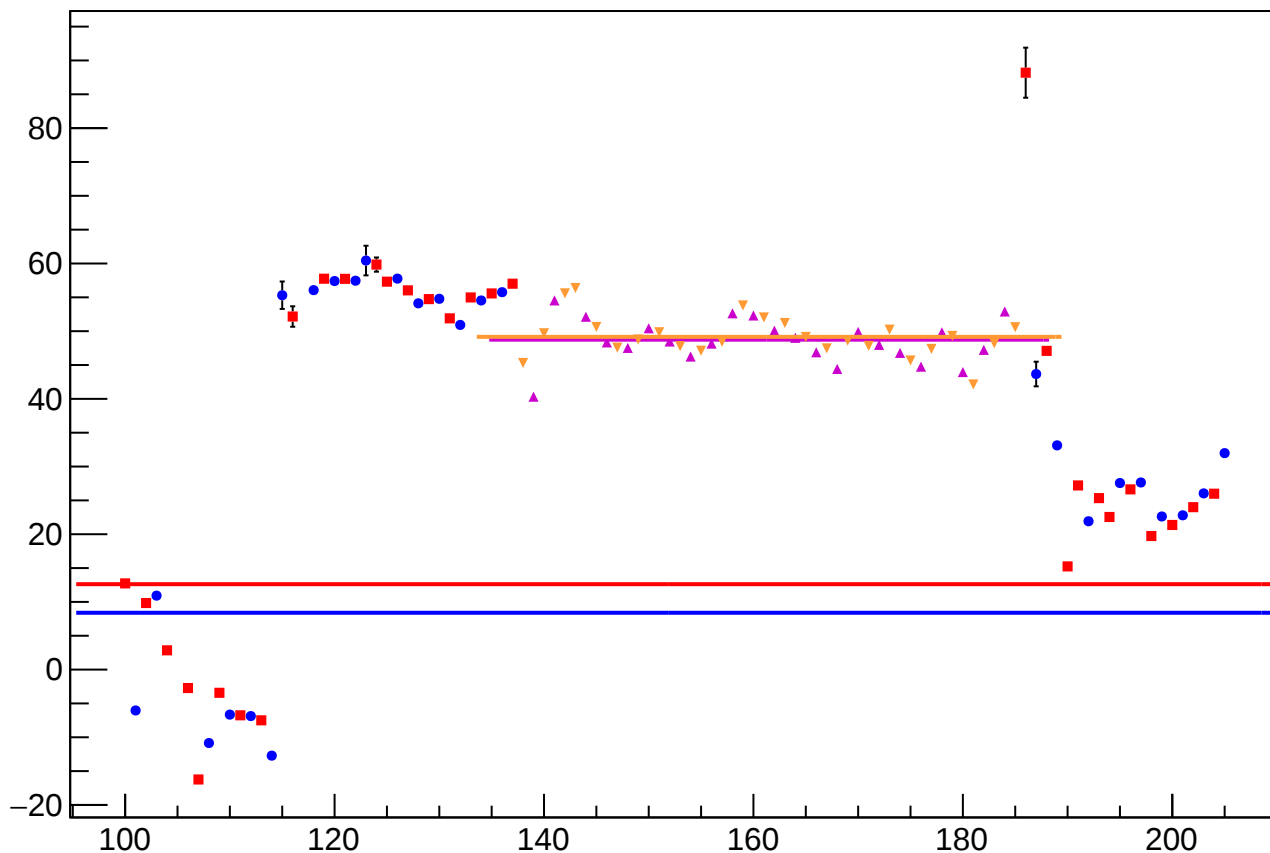
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 4.037 ± 0.051 χ^2/NDF : 12023.2/50

All: 3.695 ± 0.035 χ^2/NDF : 27218.2/103

- sign 3.370 ± 0.049 χ^2/NDF : 15105.4/52

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 8.396 ± 0.061 $\chi^2/\text{NDF}: 131471.3/25$

Left Out: 49.163 ± 0.062 $\chi^2/\text{NDF}: 2259.9/24$

Right Out: 12.618 ± 0.064 $\chi^2/\text{NDF}: 134499.9/29$

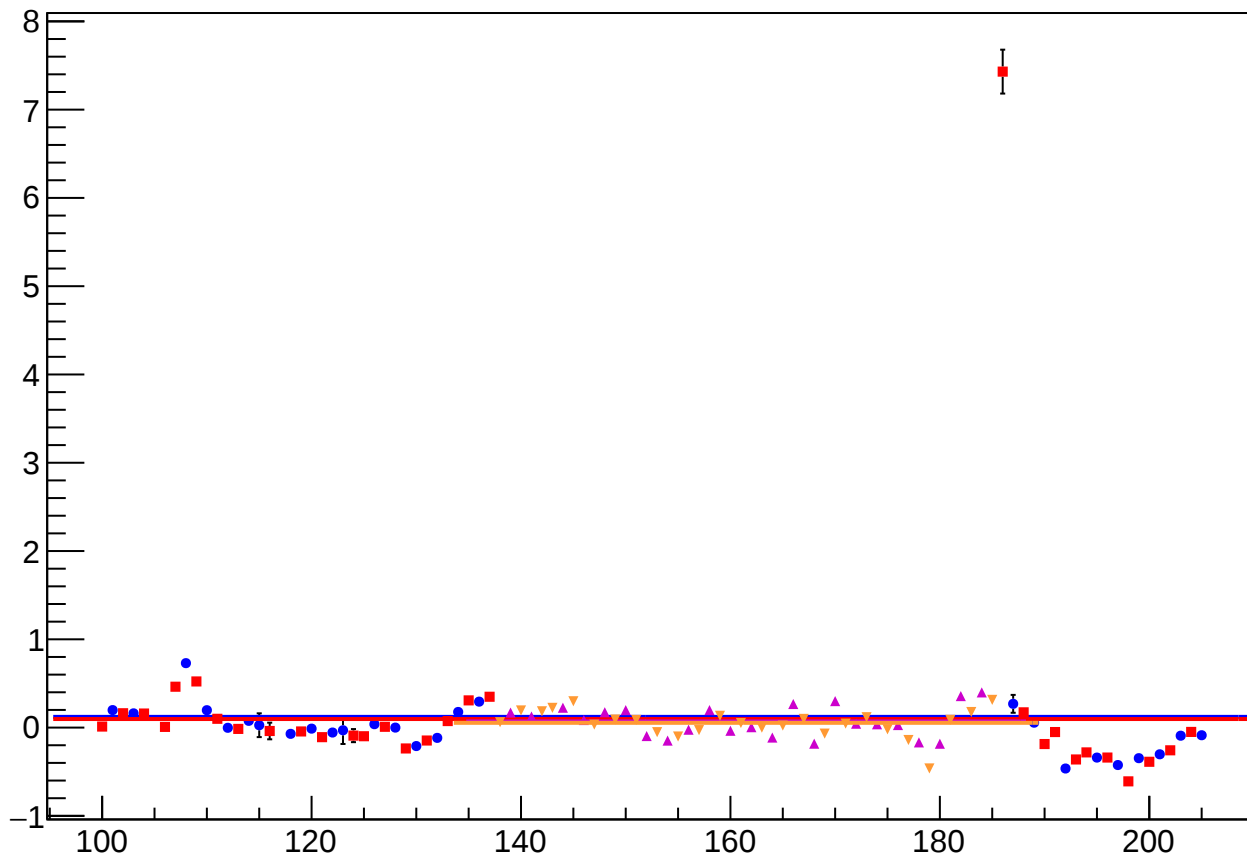
Left In: 48.744 ± 0.064 $\chi^2/\text{NDF}: 2097.7/22$

+ sign 28.614 ± 0.043 $\chi^2/\text{NDF}: 353502.3/50$

All: 29.702 ± 0.031 $\chi^2/\text{NDF}: 650078.1/103$

- sign 30.885 ± 0.045 $\chi^2/\text{NDF}: 295269.1/52$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.121 ± 0.003 χ^2/NDF : 10992.1/25

Left Out: 0.054 ± 0.003 χ^2/NDF : 2379.8/24

Right Out: 0.097 ± 0.002 χ^2/NDF : 10609.8/29

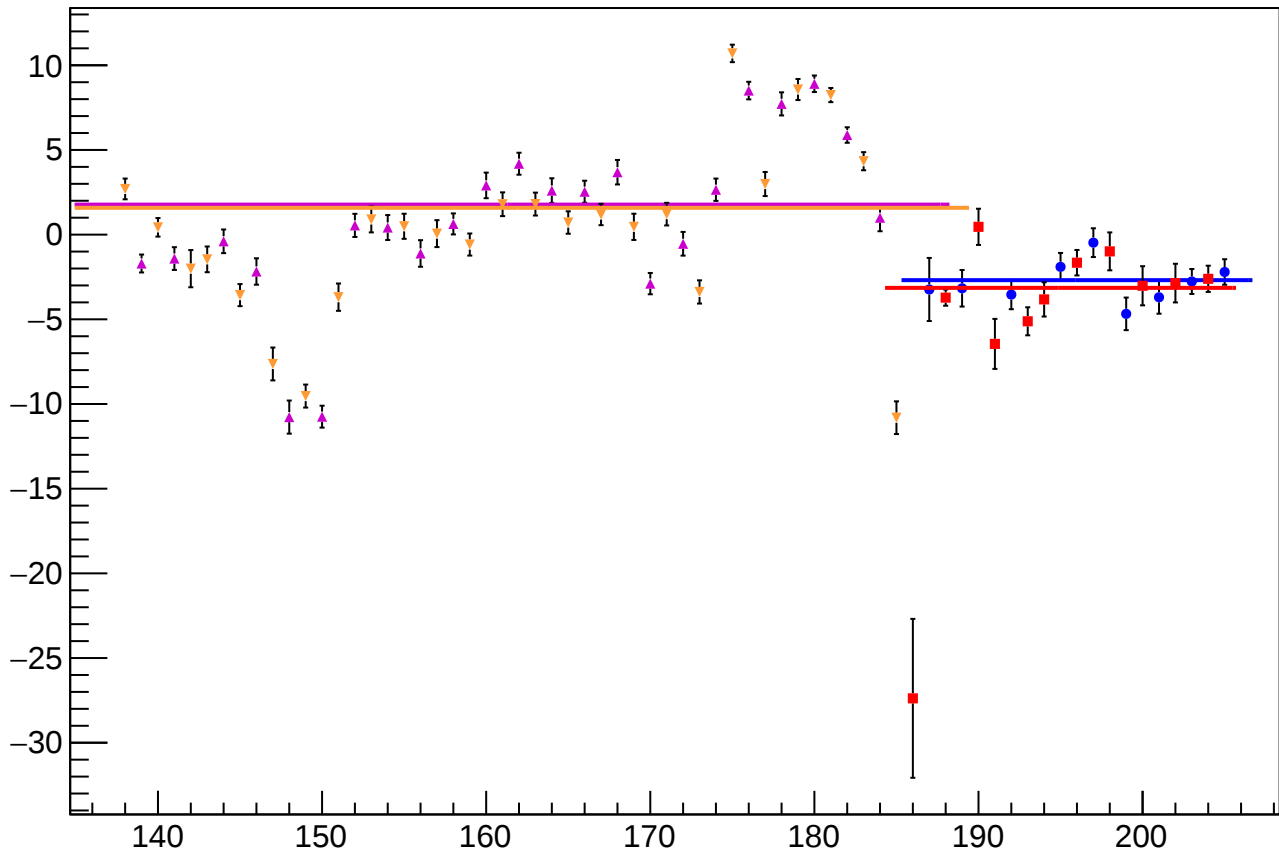
Left In: 0.070 ± 0.003 χ^2/NDF : 3233.8/22

+ sign 0.092 ± 0.002 χ^2/NDF : 13690.1/50

All: 0.089 ± 0.001 χ^2/NDF : 27589.1/103

- sign 0.086 ± 0.002 χ^2/NDF : 13894.2/52

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.688 ± 0.300 χ^2/NDF : 14.7/8

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.143 ± 0.268 χ^2/NDF : 58.8/10

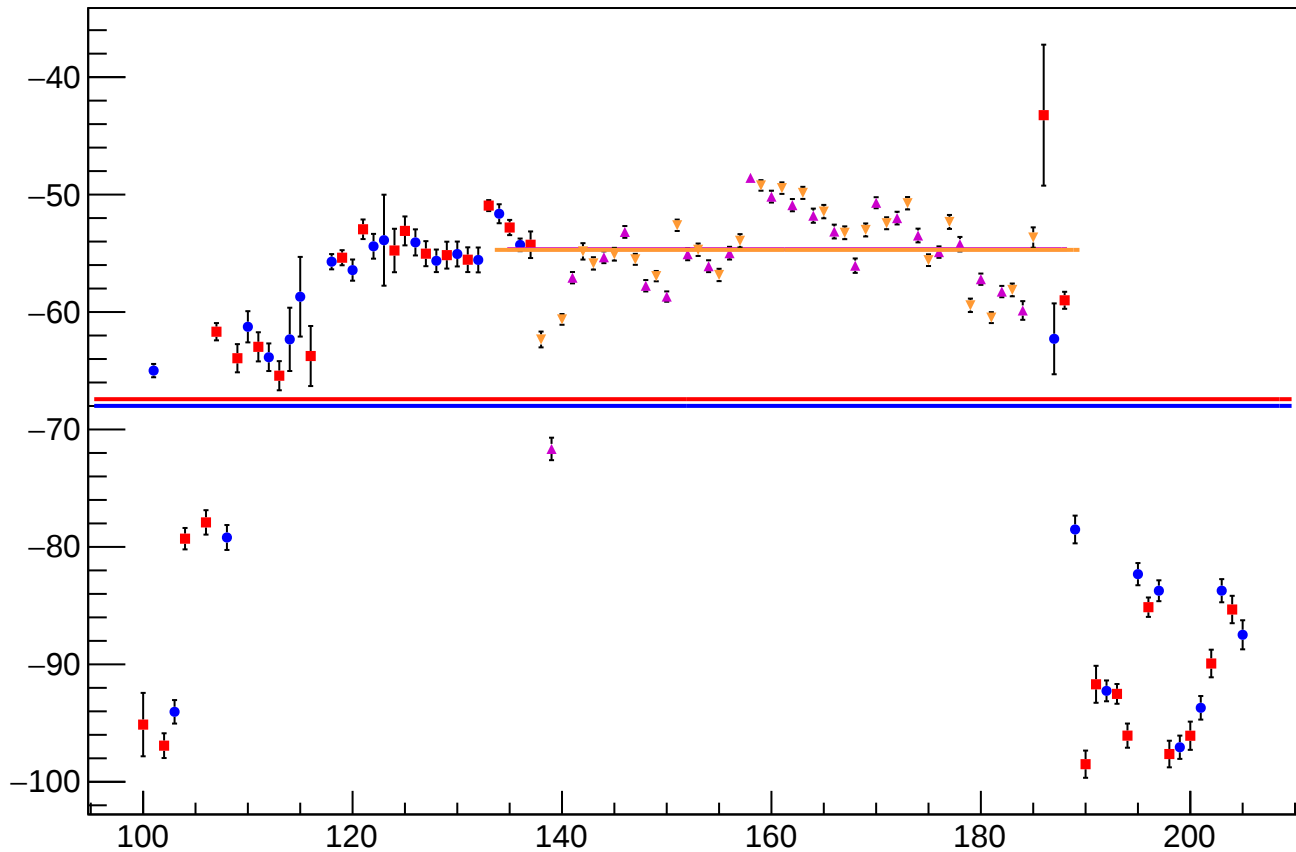
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.886 ± 0.121 χ^2/NDF : 1643.0/33

All: 0.830 ± 0.086 χ^2/NDF : 3268.5/67

- sign 0.774 ± 0.121 χ^2/NDF : 1625.1/33

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -67.992 ± 0.189 χ^2/NDF : 6628.3/25

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -67.420 ± 0.177 χ^2/NDF : 9452.5/29

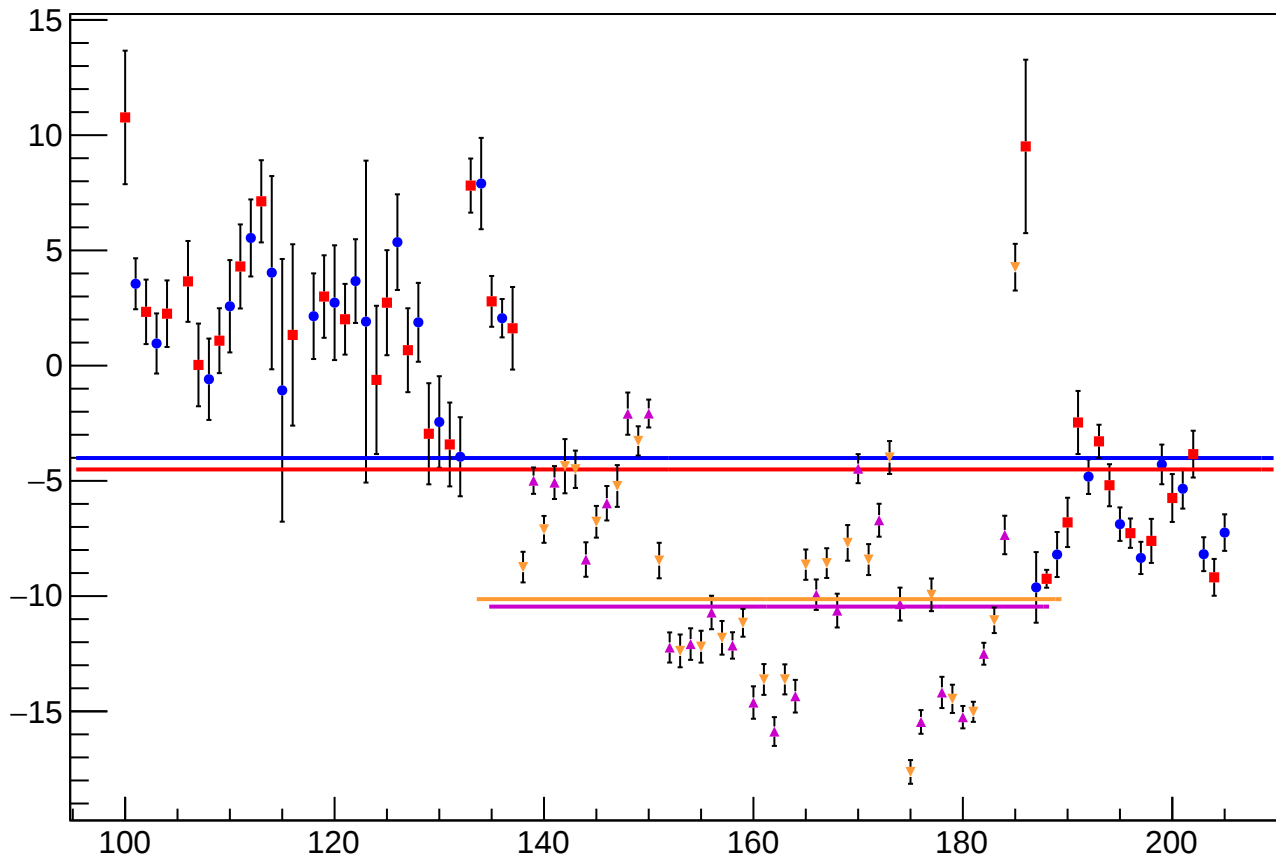
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -57.864 ± 0.092 χ^2/NDF : 11507.6/50

All: -58.034 ± 0.066 χ^2/NDF : 25814.2/103

- sign -58.208 ± 0.093 χ^2/NDF : 14299.6/52

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -4.009 ± 0.227 $\chi^2/\text{NDF}: 409.8/25$

Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$

Right Out: -4.505 ± 0.200 $\chi^2/\text{NDF}: 646.7/29$

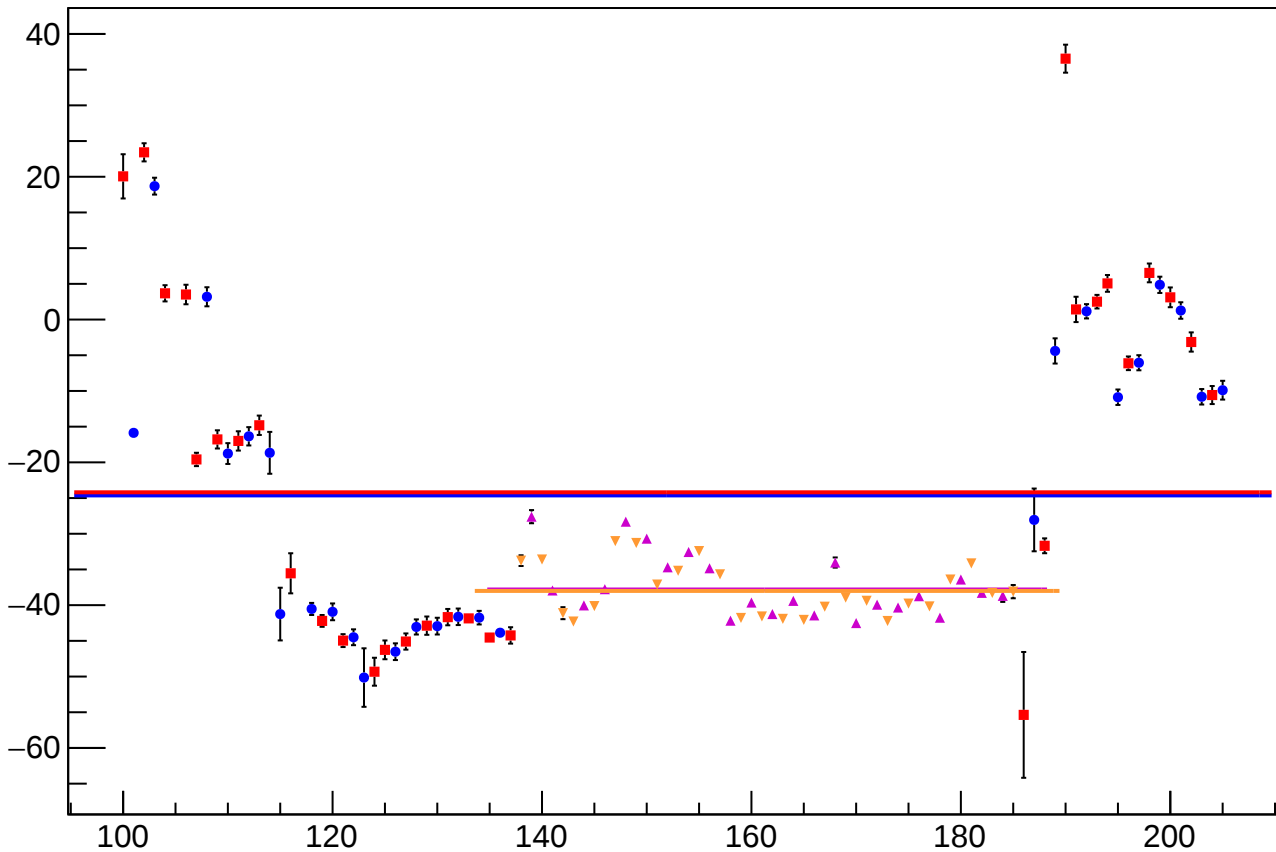
Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

+ sign -8.571 ± 0.115 $\chi^2/\text{NDF}: 2006.6/50$

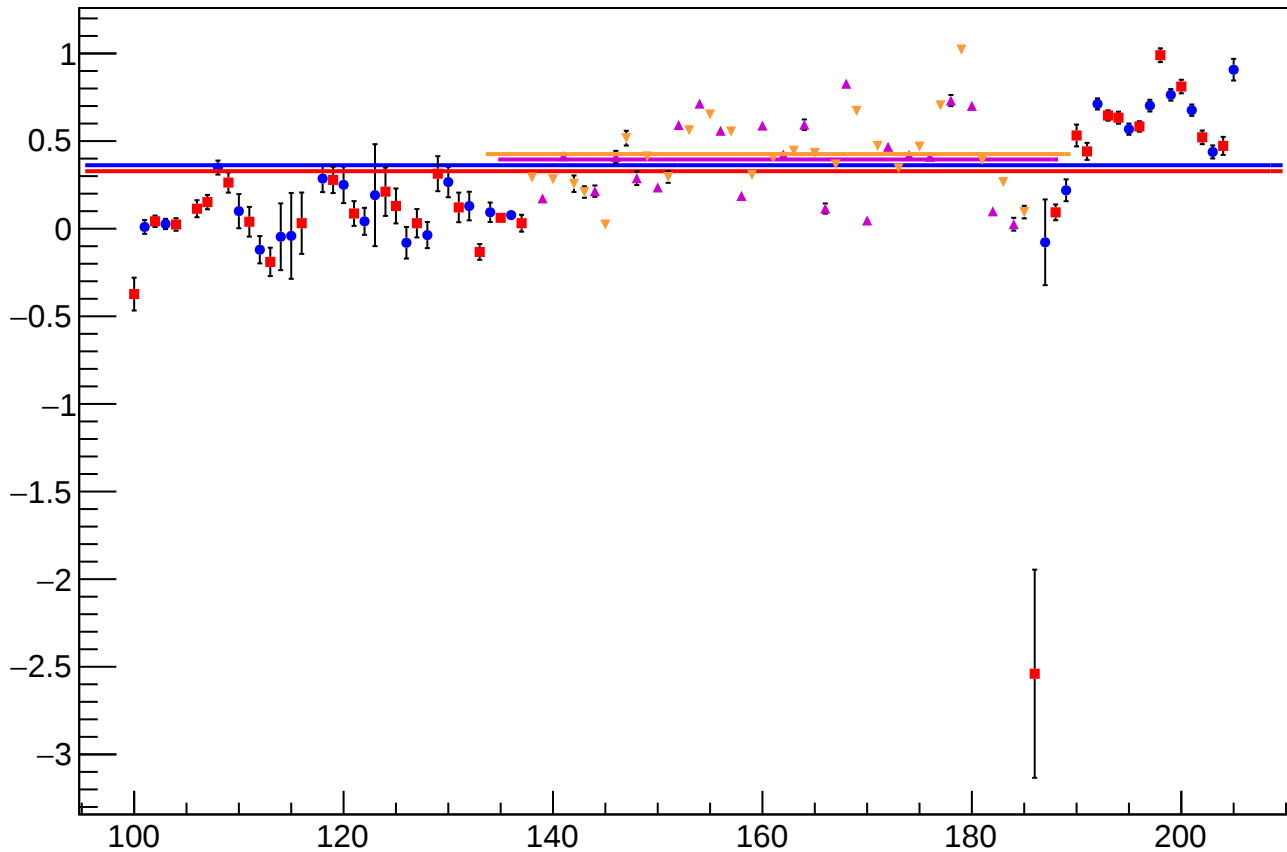
All: -8.588 ± 0.080 $\chi^2/\text{NDF}: 4264.0/103$

- sign -8.604 ± 0.112 $\chi^2/\text{NDF}: 2257.3/52$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.362 ± 0.009 $\chi^2/\text{NDF}: 1134.5/25$

Left Out: 0.426 ± 0.005 $\chi^2/\text{NDF}: 1303.7/24$

Right Out: 0.328 ± 0.009 $\chi^2/\text{NDF}: 1384.4/29$

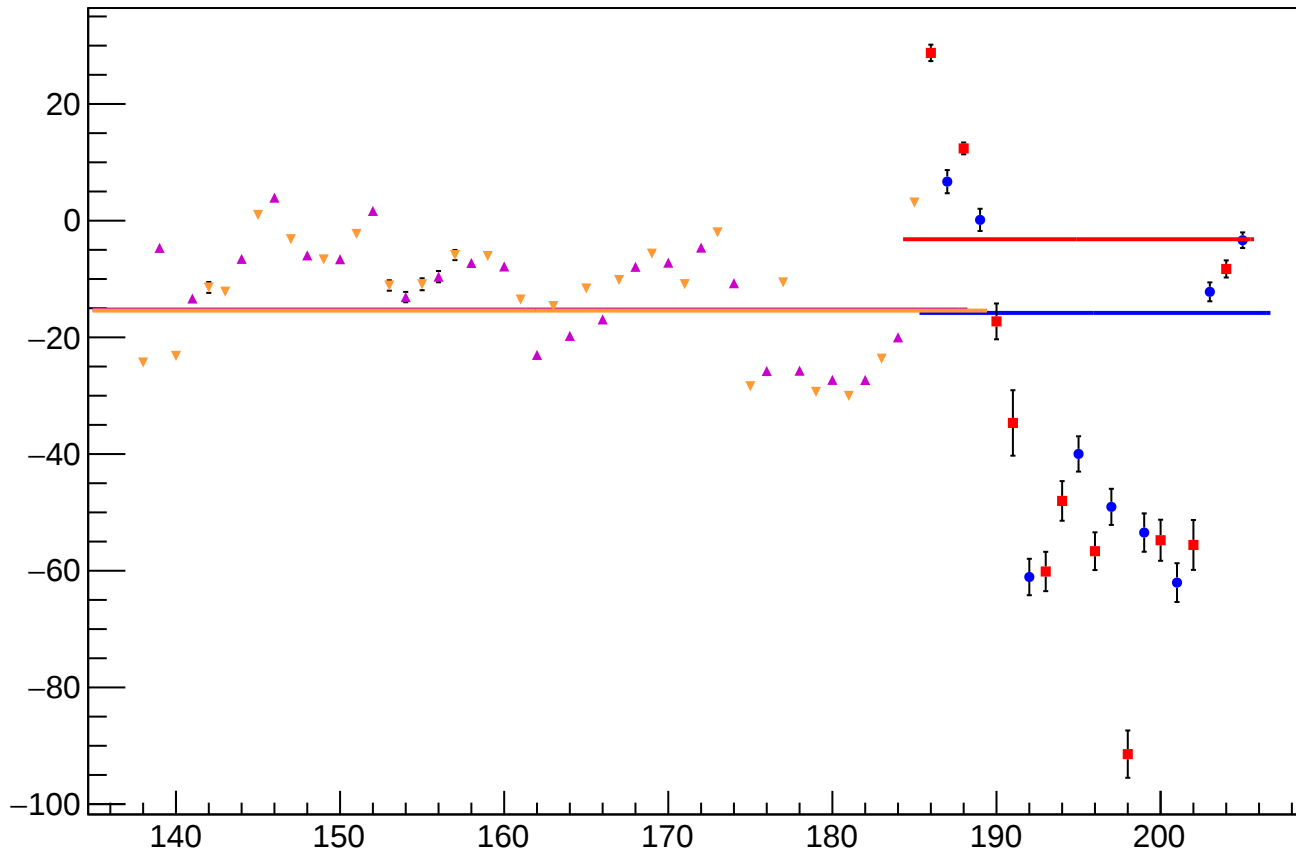
Left In: 0.395 ± 0.005 $\chi^2/\text{NDF}: 1798.2/22$

+ sign 0.409 ± 0.005 $\chi^2/\text{NDF}: 2474.5/50$

All: 0.393 ± 0.003 $\chi^2/\text{NDF}: 5726.0/103$

- sign 0.376 ± 0.005 $\chi^2/\text{NDF}: 3225.6/52$

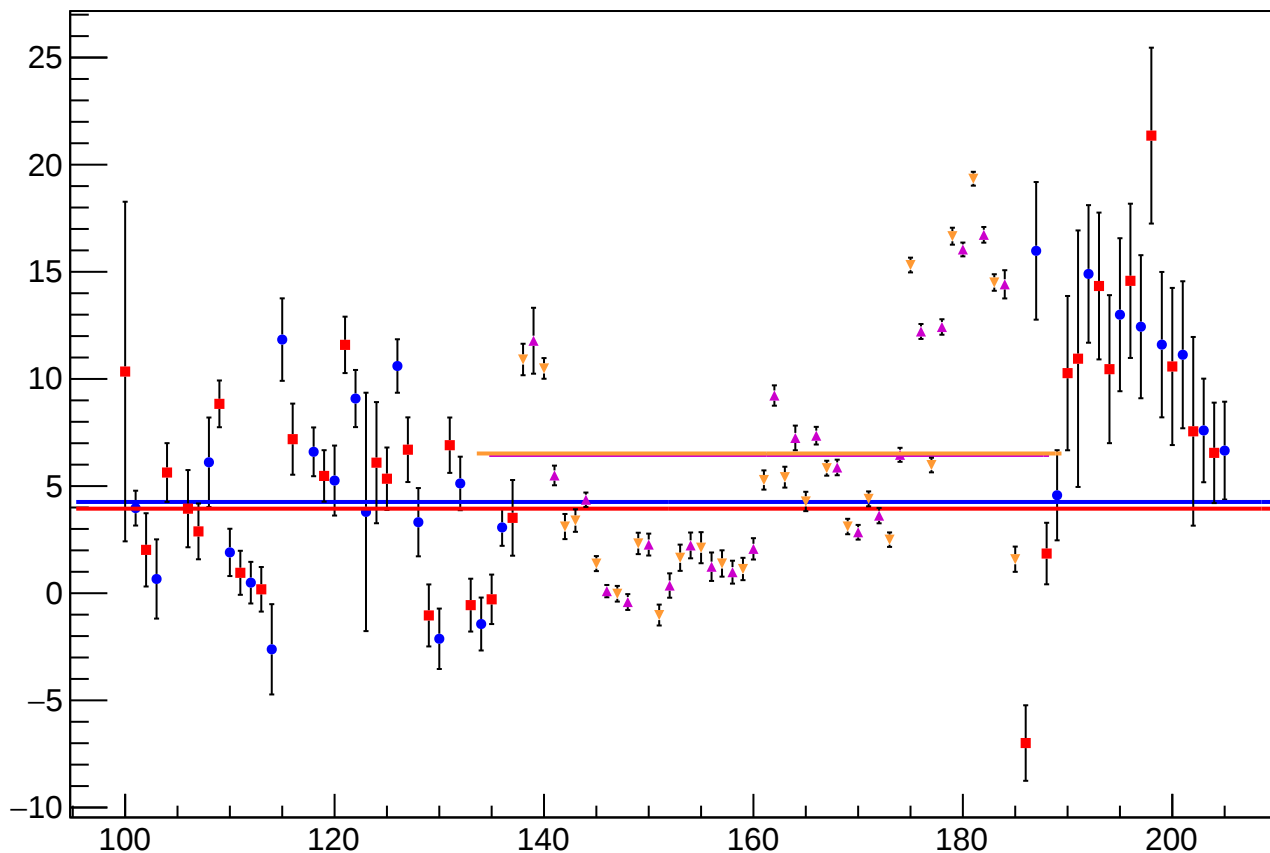
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -15.807 ± 0.713 $\chi^2/\text{NDF}: 1003.5/8$
 Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$
 Right Out: -3.183 ± 0.627 $\chi^2/\text{NDF}: 2385.2/10$
 Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.421 ± 0.104 $\chi^2/\text{NDF}: 11512.9/33$
 All: -15.158 ± 0.074 $\chi^2/\text{NDF}: 22927.4/67$
 - sign -14.890 ± 0.105 $\chi^2/\text{NDF}: 11401.6/33$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.259 $\pm$ 0.295 χ^2 /NDF: 186.5/25

Left Out: 6.521 $\pm$ 0.085 χ^2 /NDF: 4985.2/24

Right Out: 3.946 $\pm$ 0.295 χ^2 /NDF: 223.5/29

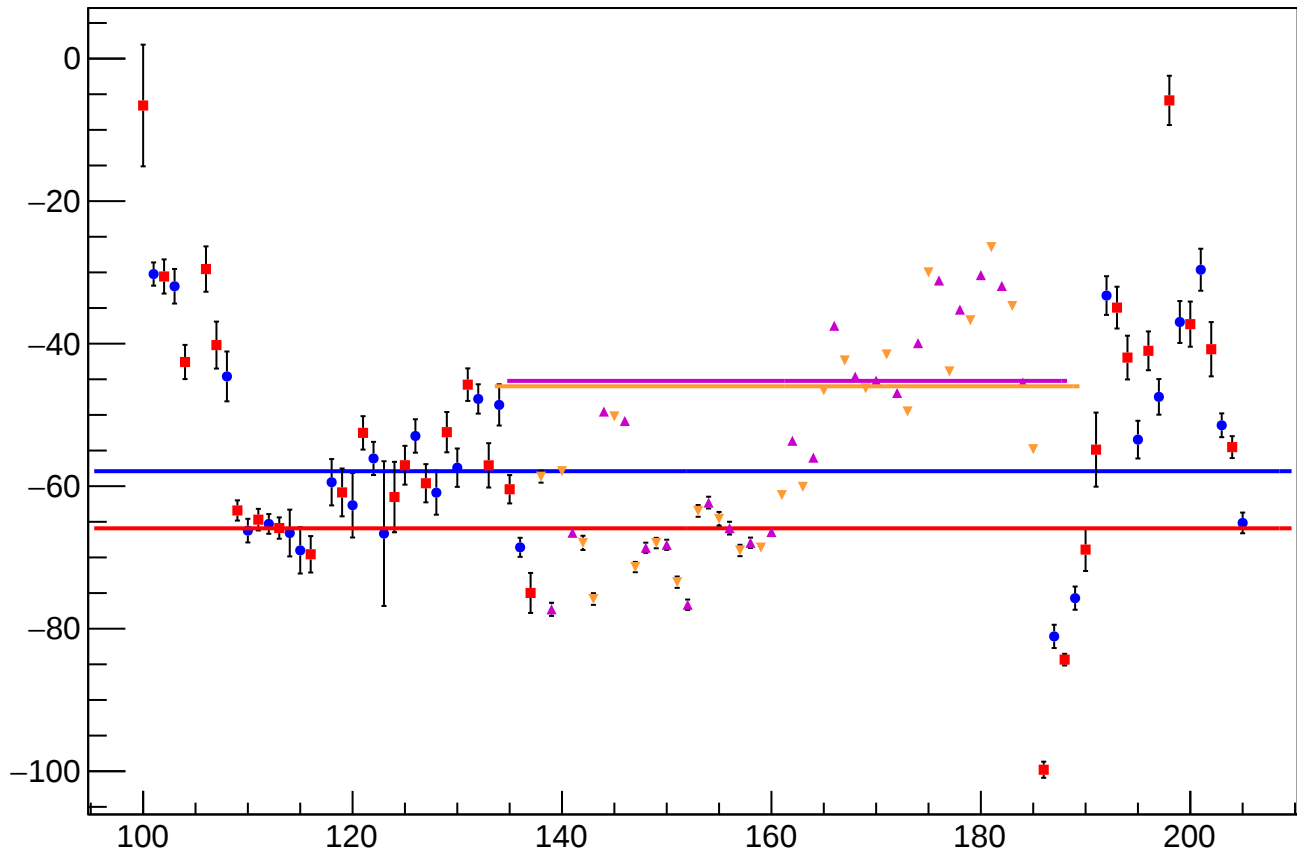
Left In: 6.452 $\pm$ 0.086 χ^2 /NDF: 3948.0/22

+ sign 6.346 $\pm$ 0.082 χ^2 /NDF: 5225.9/50

All: 6.301 $\pm$ 0.058 χ^2 /NDF: 9464.5/103

- sign 6.255 $\pm$ 0.083 χ^2 /NDF: 4238.0/52

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -57.898 ± 0.421 χ^2/NDF : 1202.0/25

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -65.913 ± 0.380 χ^2/NDF : 2883.0/29

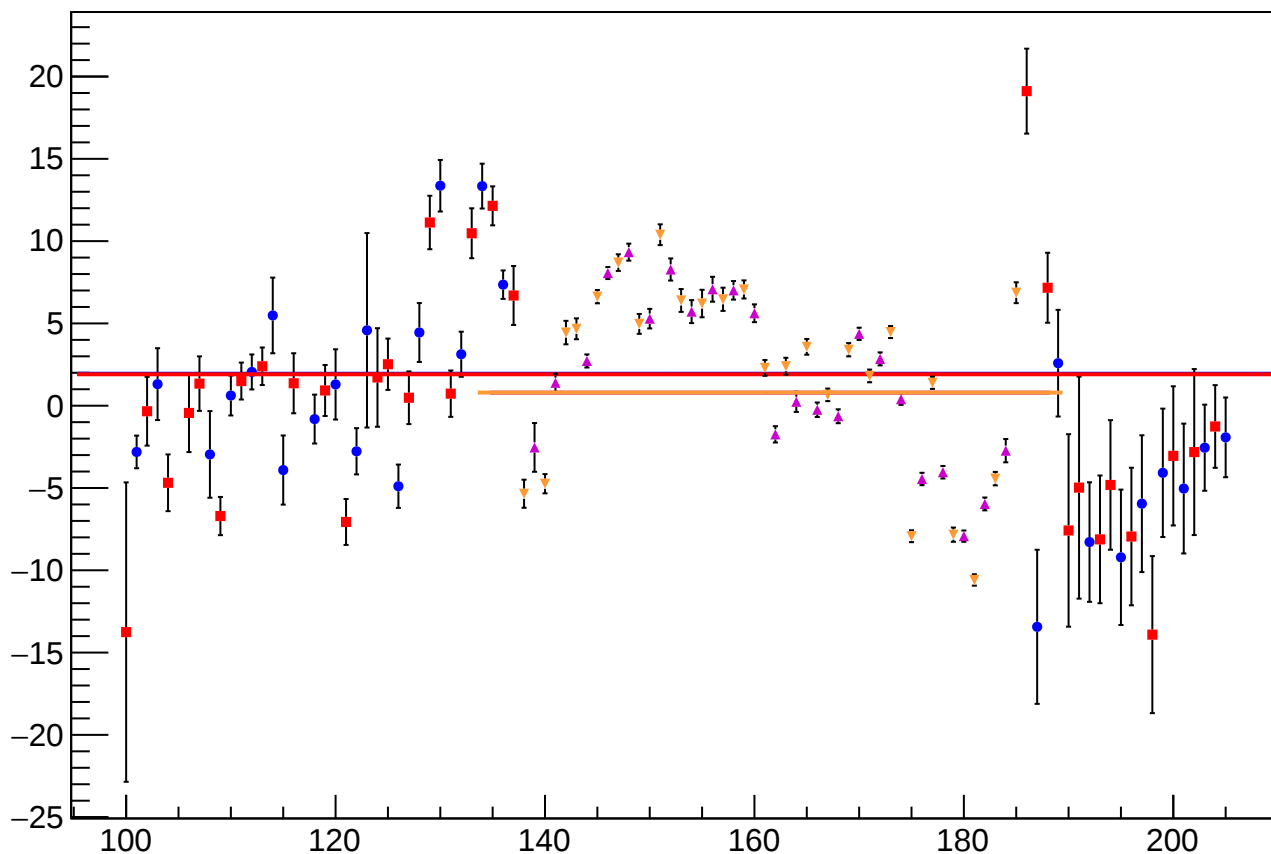
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.694 ± 0.103 χ^2/NDF : 19313.8/50

All: -46.721 ± 0.073 χ^2/NDF : 40544.8/103

- sign -46.748 ± 0.103 χ^2/NDF : 21230.8/52

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 1.941 $\pm$ 0.332 χ^2 /NDF: 285.6/25

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF:3760.0/24

Right Out: 1.910 $\pm$ 0.337 χ^2 /NDF: 348.8/29

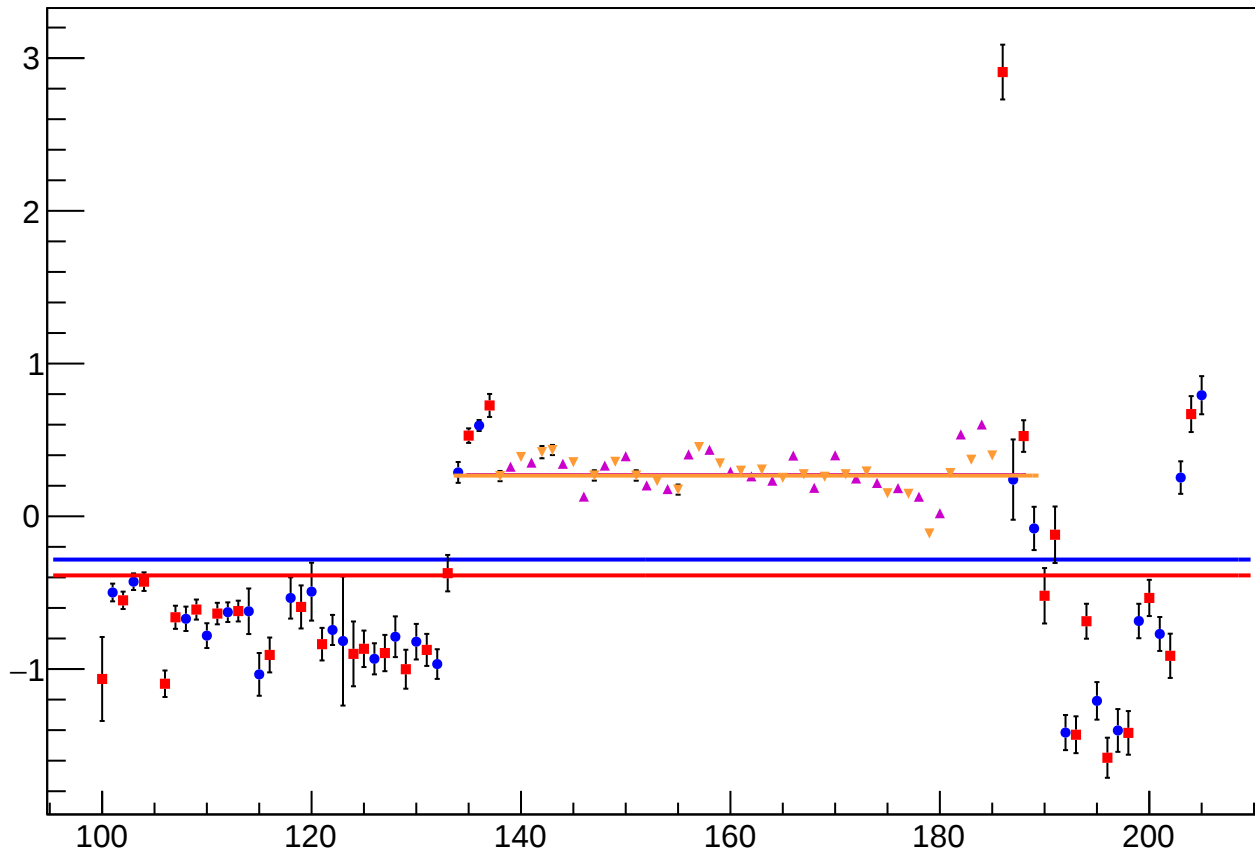
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF:2692.5/22

+ sign 0.885 $\pm$ 0.092 χ^2 /NDF: 4056.5/50

All: 0.881 $\pm$ 0.065 χ^2 /NDF: 7108.0/103

- sign 0.877 $\pm$ 0.093 χ^2 /NDF: 3051.5/52

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.283 ± 0.017 χ^2/NDF : 1319.5/25

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.387 ± 0.017 χ^2/NDF : 1574.4/29

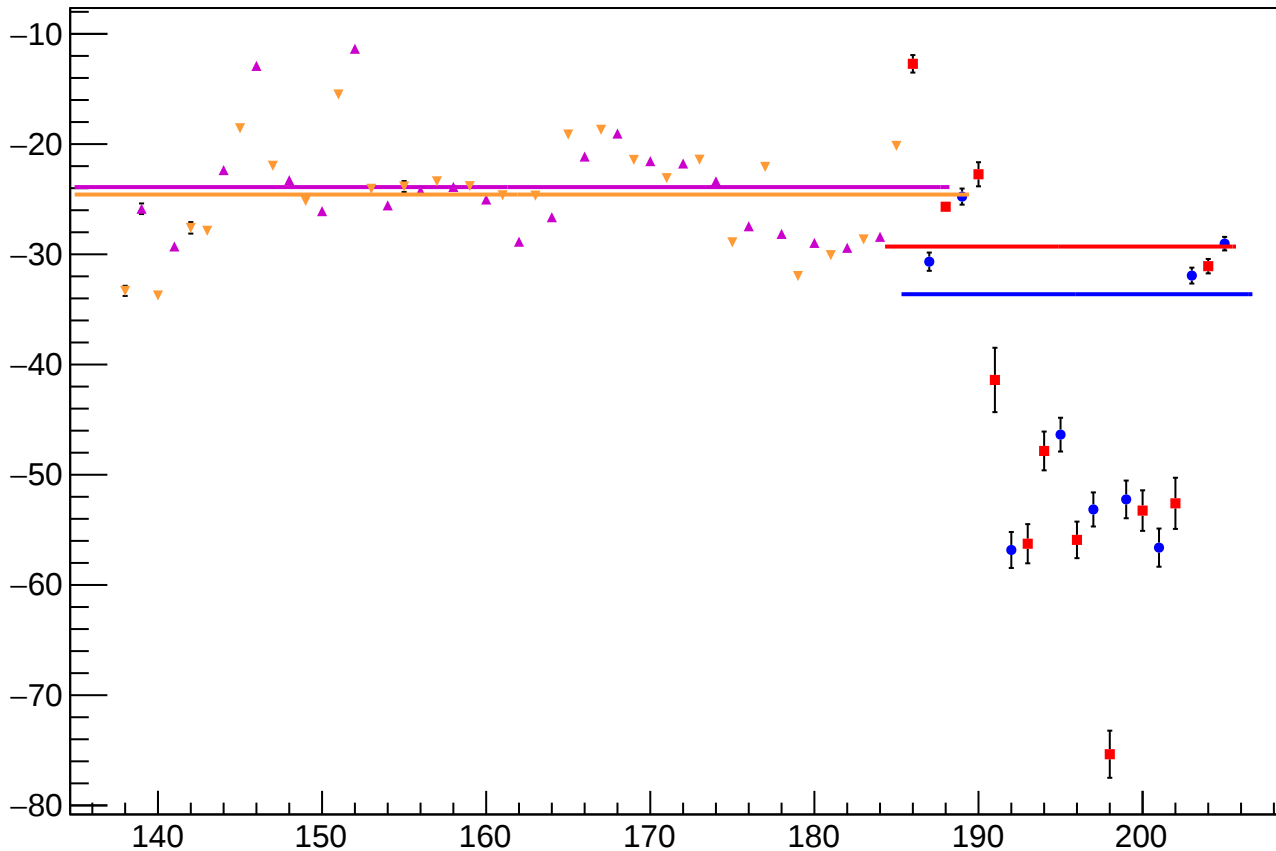
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.234 ± 0.004 χ^2/NDF : 2974.3/50

All: 0.231 ± 0.003 χ^2/NDF : 6894.8/103

- sign 0.229 ± 0.004 χ^2/NDF : 3920.0/52

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.620 ± 0.319 χ^2/NDF : 946.4/8

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -29.296 ± 0.289 χ^2/NDF : 1900.4/10

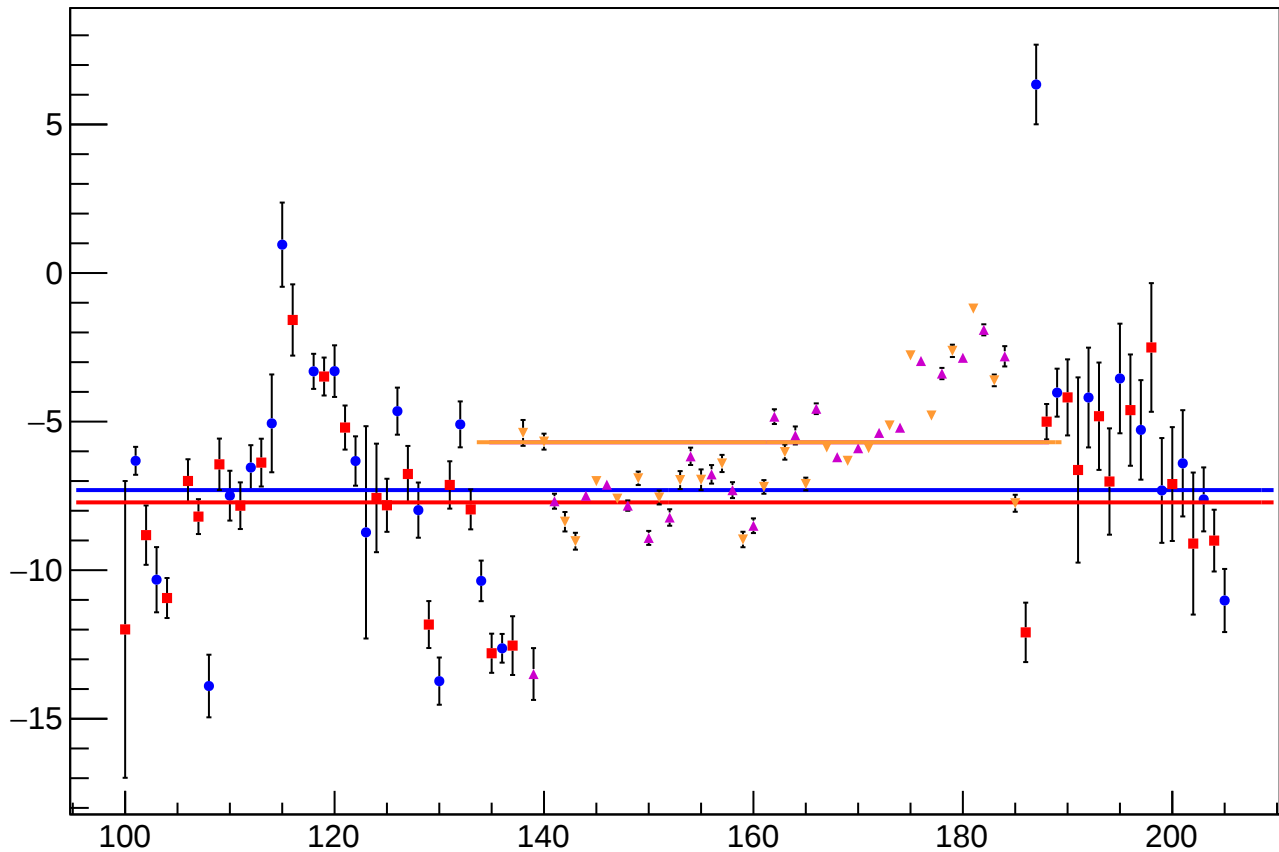
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.802 ± 0.050 χ^2/NDF : 10318.5/33

All: -24.433 ± 0.036 χ^2/NDF : 21818.8/67

- sign -24.064 ± 0.050 χ^2/NDF : 11393.0/33

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.305 ± 0.172 χ^2/NDF : 525.3/25

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.718 ± 0.167 χ^2/NDF : 286.0/29

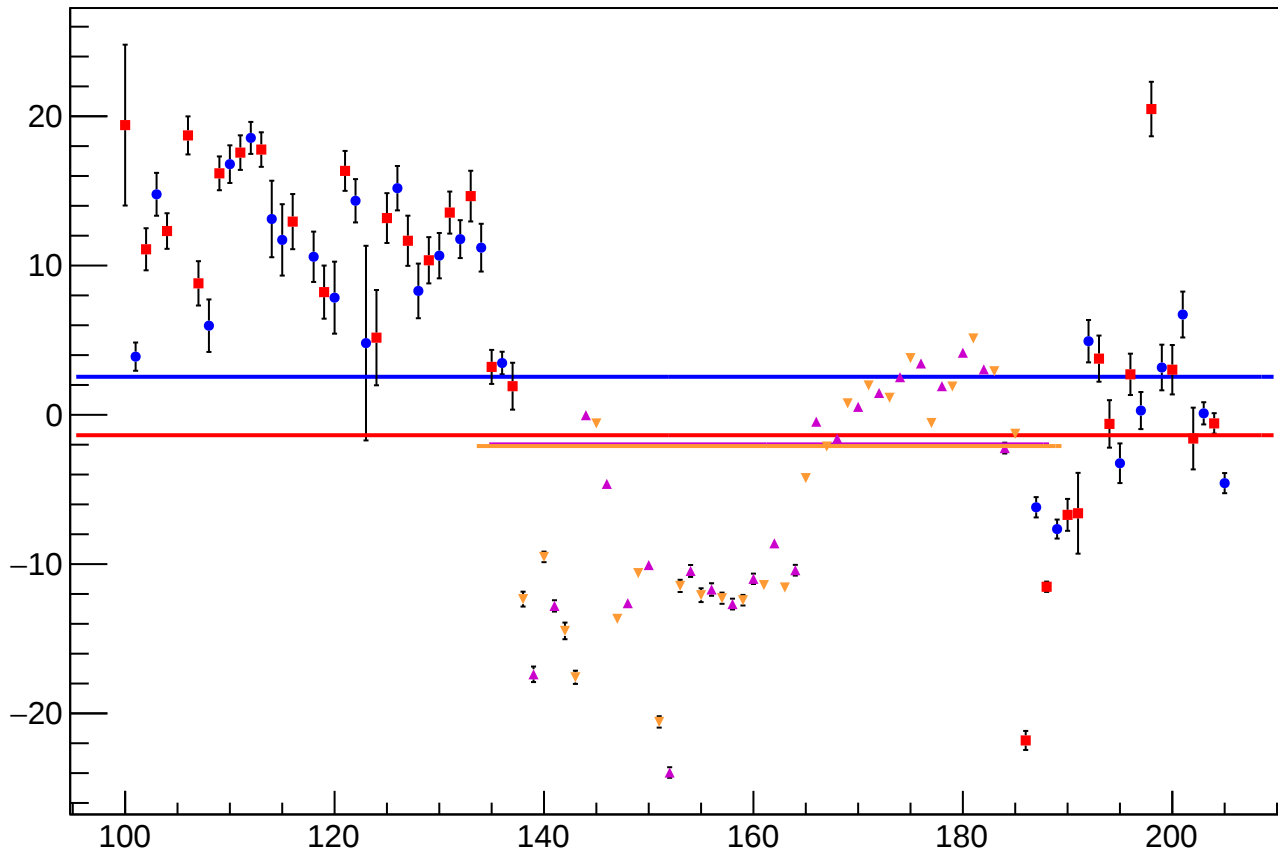
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.781 ± 0.040 χ^2/NDF : 2866.8/50

All: -5.796 ± 0.028 χ^2/NDF : 5601.5/103

- sign -5.810 ± 0.040 χ^2/NDF : 2734.4/52

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 2.548 ± 0.224 $\chi^2/\text{NDF}: 1325.4/25$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -1.366 ± 0.199 $\chi^2/\text{NDF}: 4074.4/29$

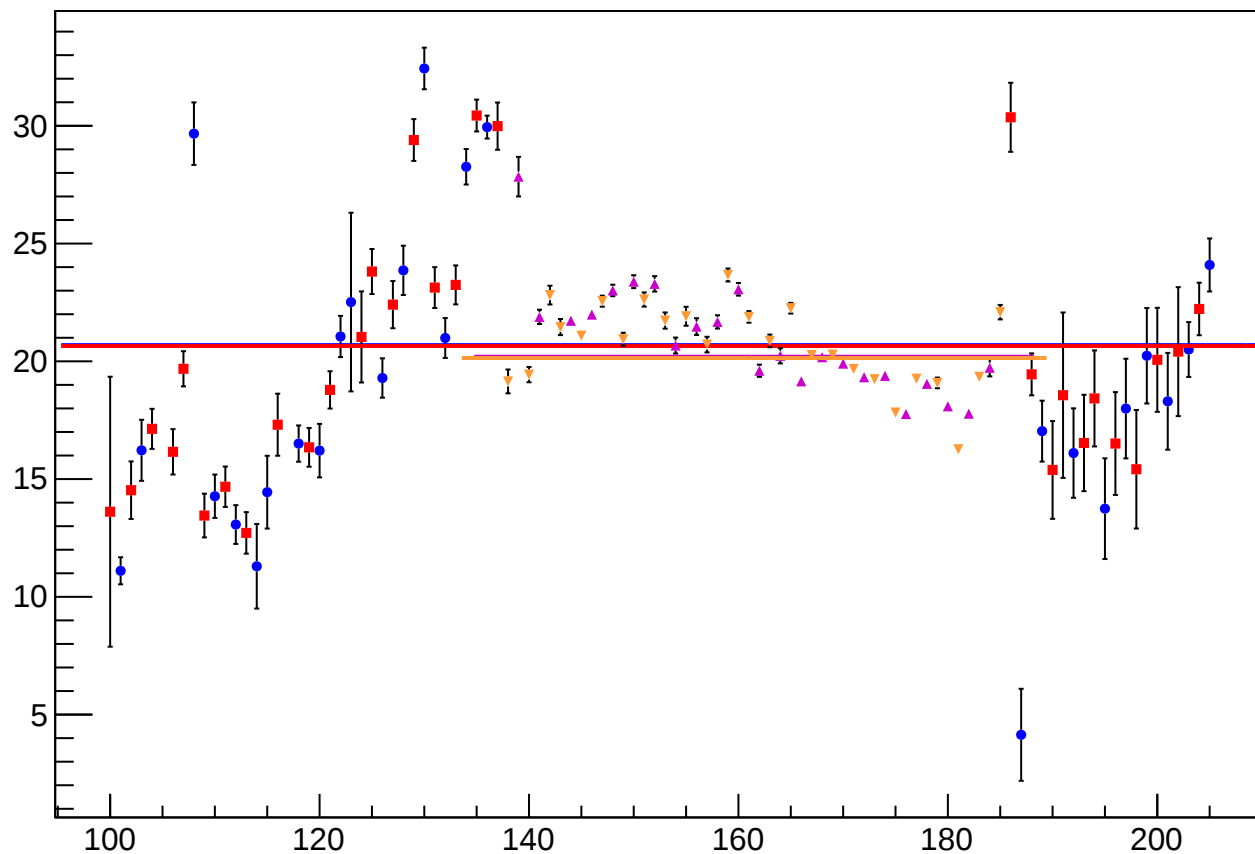
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.860 ± 0.050 $\chi^2/\text{NDF}: 18038.3/50$

All: -1.901 ± 0.035 $\chi^2/\text{NDF}: 37505.4/103$

- sign -1.942 ± 0.050 $\chi^2/\text{NDF}: 19465.7/52$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.687 $\pm$ 0.196 χ^2 /NDF: 1320.5/25

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.651 $\pm$ 0.196 χ^2 /NDF: 789.4/29

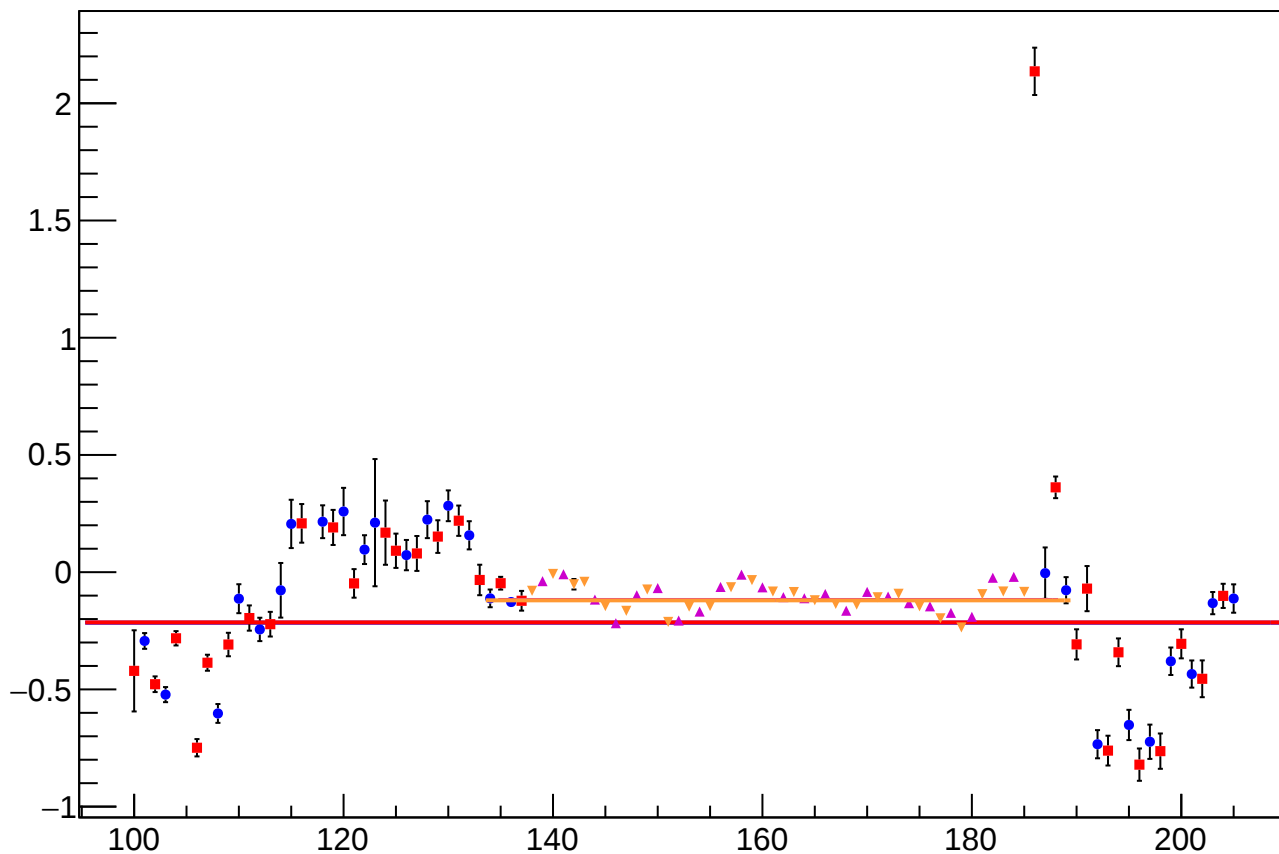
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.169 $\pm$ 0.045 χ^2 /NDF: 2747.0/50

All: 20.194 $\pm$ 0.032 χ^2 /NDF: 4989.5/103

- sign 20.218 $\pm$ 0.045 χ^2 /NDF: 2242.0/52

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.215 ± 0.010 χ^2/NDF : 678.4/25

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.214 ± 0.010 χ^2/NDF : 1461.7/29

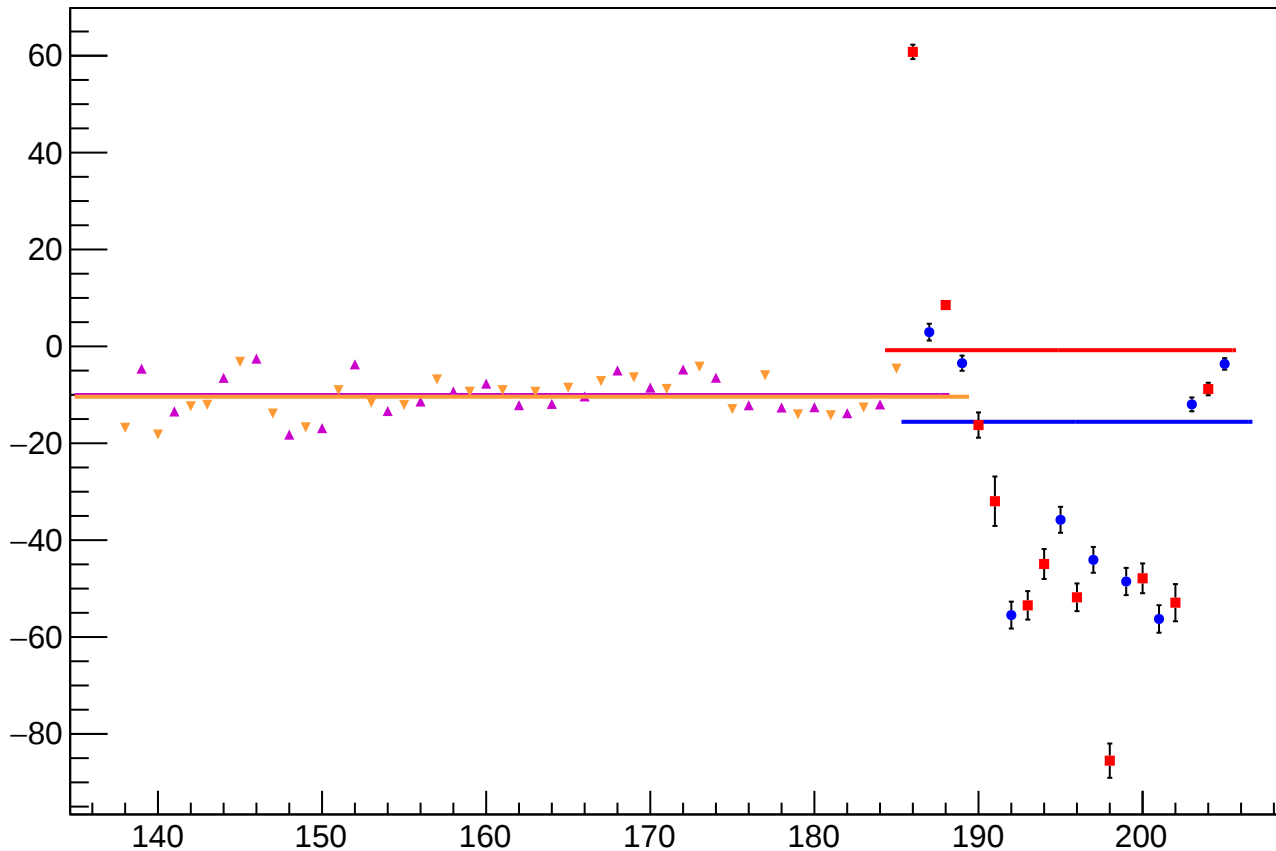
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.124 ± 0.002 χ^2/NDF : 1298.8/50

All: -0.124 ± 0.001 χ^2/NDF : 3577.8/103

- sign -0.123 ± 0.002 χ^2/NDF : 2278.8/52

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -15.568 ± 0.622 $\chi^2/\text{NDF}: 1000.5/8$

Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$

Right Out: -0.791 ± 0.560 $\chi^2/\text{NDF}: 3780.7/10$

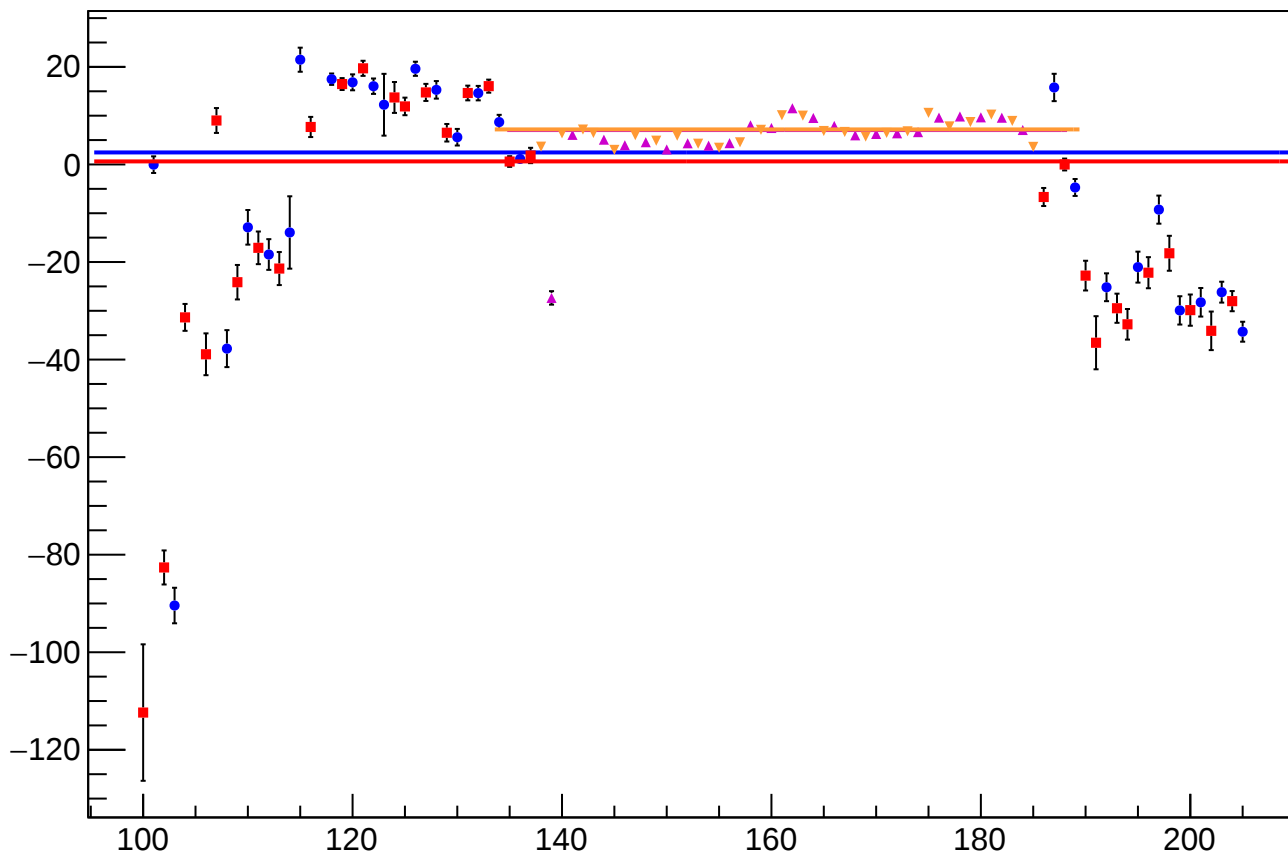
Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.492 ± 0.087 $\chi^2/\text{NDF}: 3180.0/33$

All: -10.154 ± 0.062 $\chi^2/\text{NDF}: 9015.5/67$

- sign -9.806 ± 0.088 $\chi^2/\text{NDF}: 5804.8/33$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 2.465 ± 0.364 χ^2/NDF : 2435.0/25

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 0.627 ± 0.373 χ^2/NDF : 2443.4/29

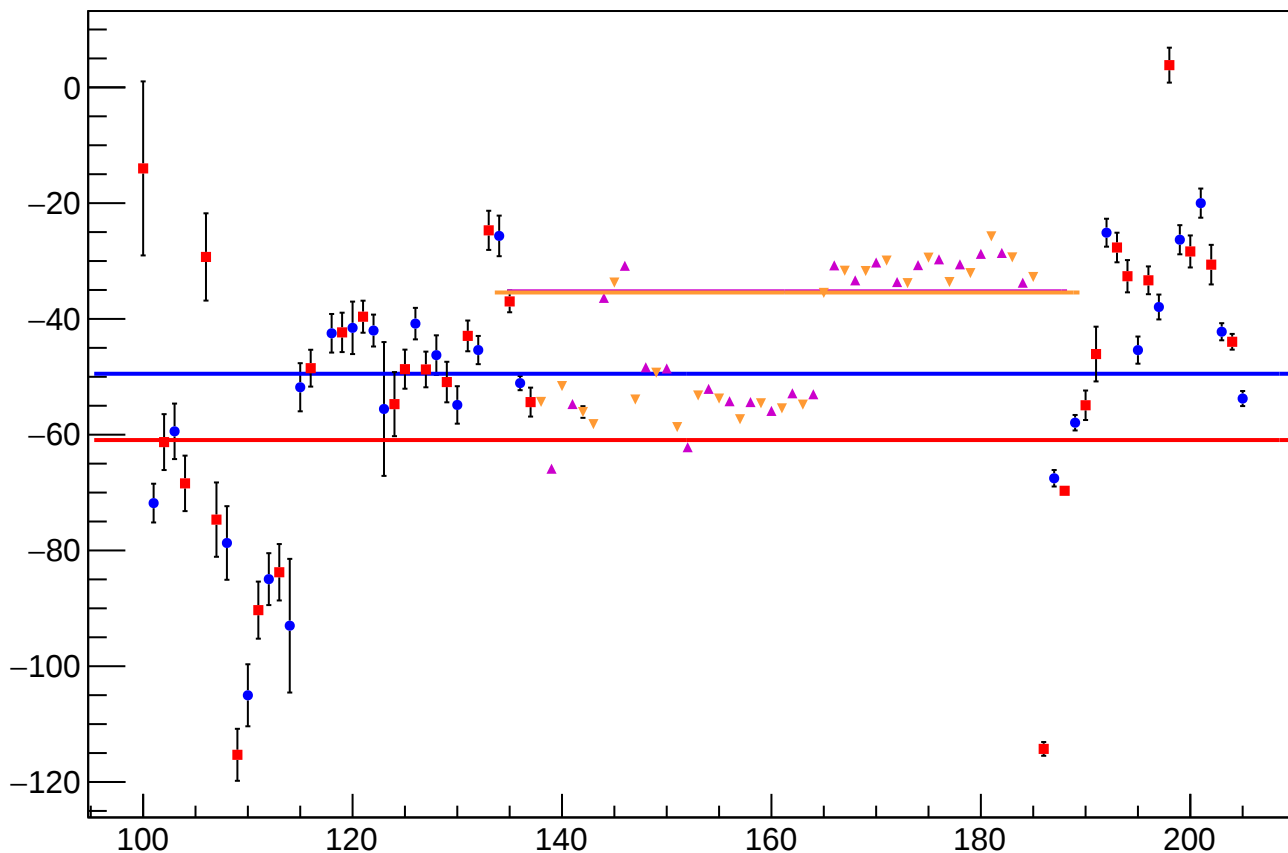
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.000 ± 0.072 χ^2/NDF : 3513.5/50

All: 6.905 ± 0.051 χ^2/NDF : 7781.5/103

- sign 6.808 ± 0.073 χ^2/NDF : 4264.6/52

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -49.474 ± 0.456 $\chi^2/\text{NDF}: 925.4/25$

Left Out: -35.434 ± 0.089 $\chi^2/\text{NDF}: 12782.8/24$

Right Out: -60.927 ± 0.412 $\chi^2/\text{NDF}: 4142.8/29$

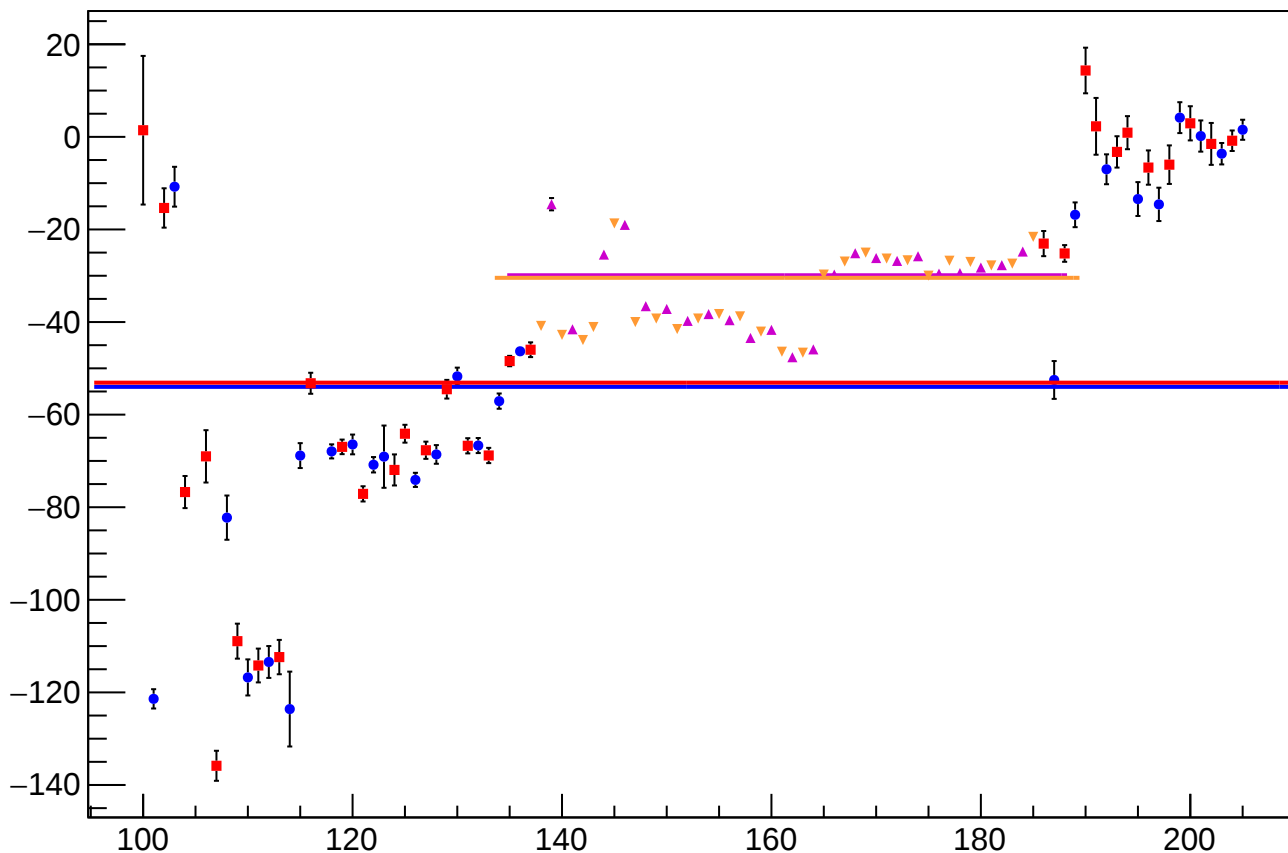
Left In: -35.229 ± 0.090 $\chi^2/\text{NDF}: 11602.9/22$

+ sign -35.949 ± 0.087 $\chi^2/\text{NDF}: 14620.5/50$

All: -36.173 ± 0.062 $\chi^2/\text{NDF}: 34084.7/103$

- sign -36.399 ± 0.088 $\chi^2/\text{NDF}: 19451.1/52$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -54.000 ± 0.409 $\chi^2/\text{NDF}: 4793.8/25$

Left Out: -30.448 ± 0.082 $\chi^2/\text{NDF}: 8167.7/24$

Right Out: -53.094 ± 0.430 $\chi^2/\text{NDF}: 4440.8/29$

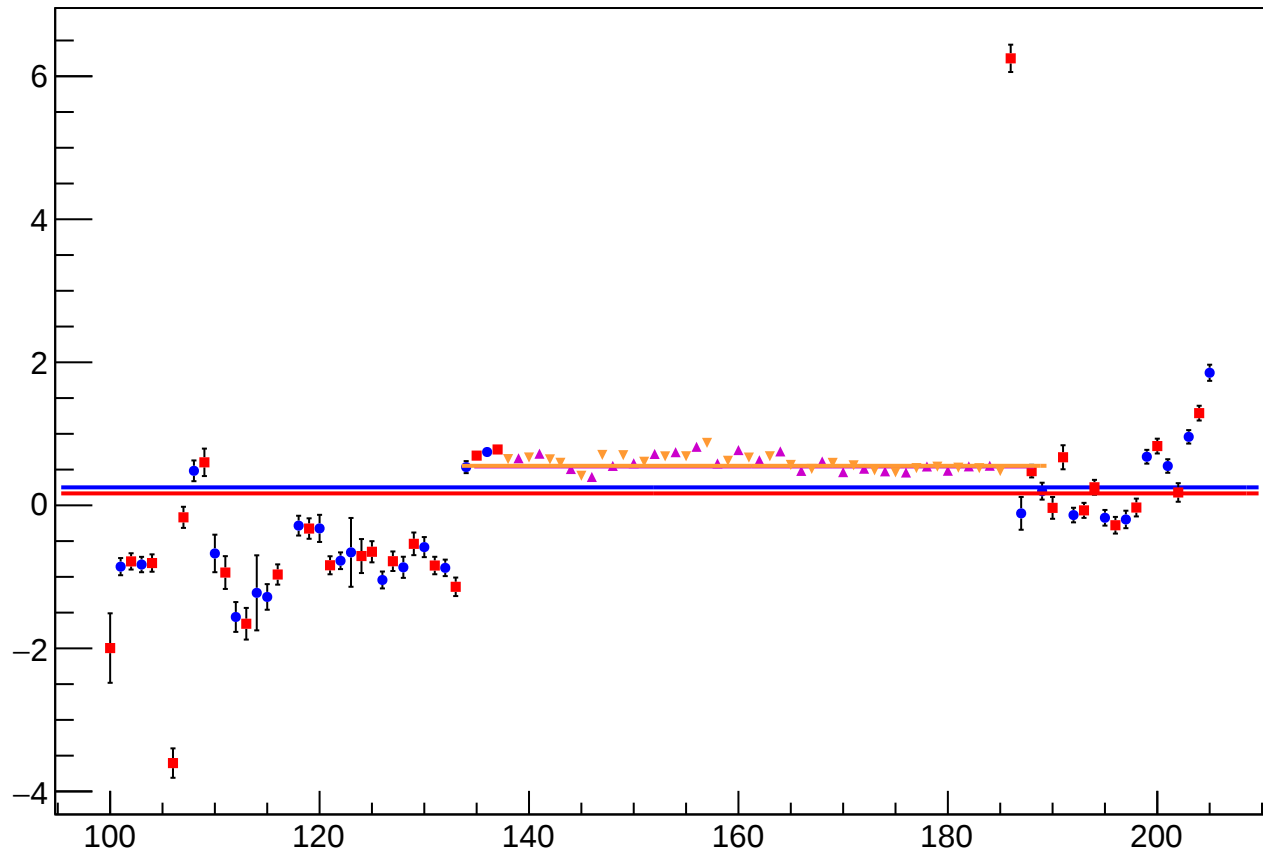
Left In: -29.892 ± 0.083 $\chi^2/\text{NDF}: 7115.0/22$

+ sign -31.348 ± 0.080 $\chi^2/\text{NDF}: 16152.0/50$

All: -31.037 ± 0.057 $\chi^2/\text{NDF}: 30544.7/103$

- sign -30.717 ± 0.081 $\chi^2/\text{NDF}: 14361.9/52$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.251 ± 0.020 χ^2/NDF : 1337.4/25

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.167 ± 0.021 χ^2/NDF : 2450.7/29

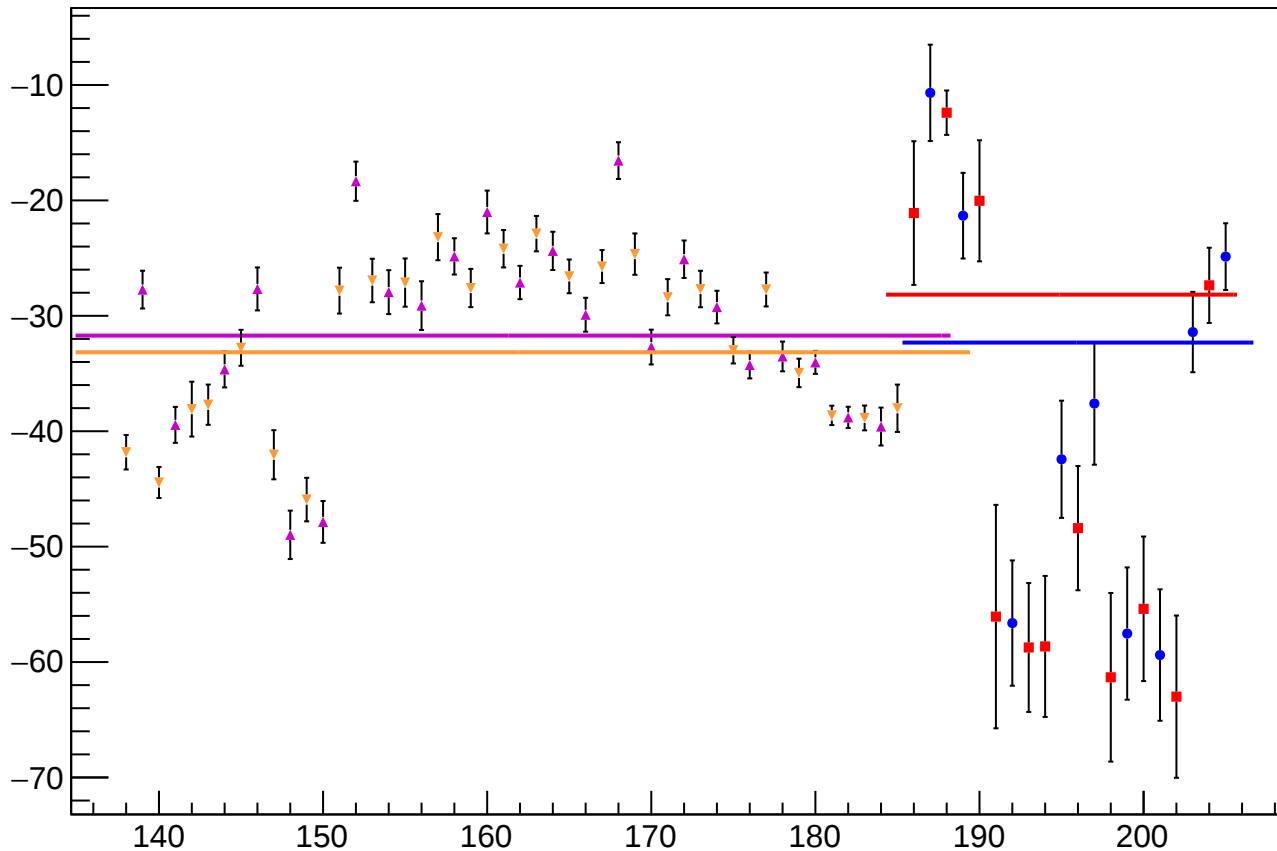
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.543 ± 0.004 χ^2/NDF : 2096.9/50

All: 0.538 ± 0.003 χ^2/NDF : 5516.9/103

- sign 0.532 ± 0.004 χ^2/NDF : 3415.5/52

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -32.318 ± 1.412 χ^2/NDF : 109.3/8

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -28.166 ± 1.296 χ^2/NDF : 212.2/10

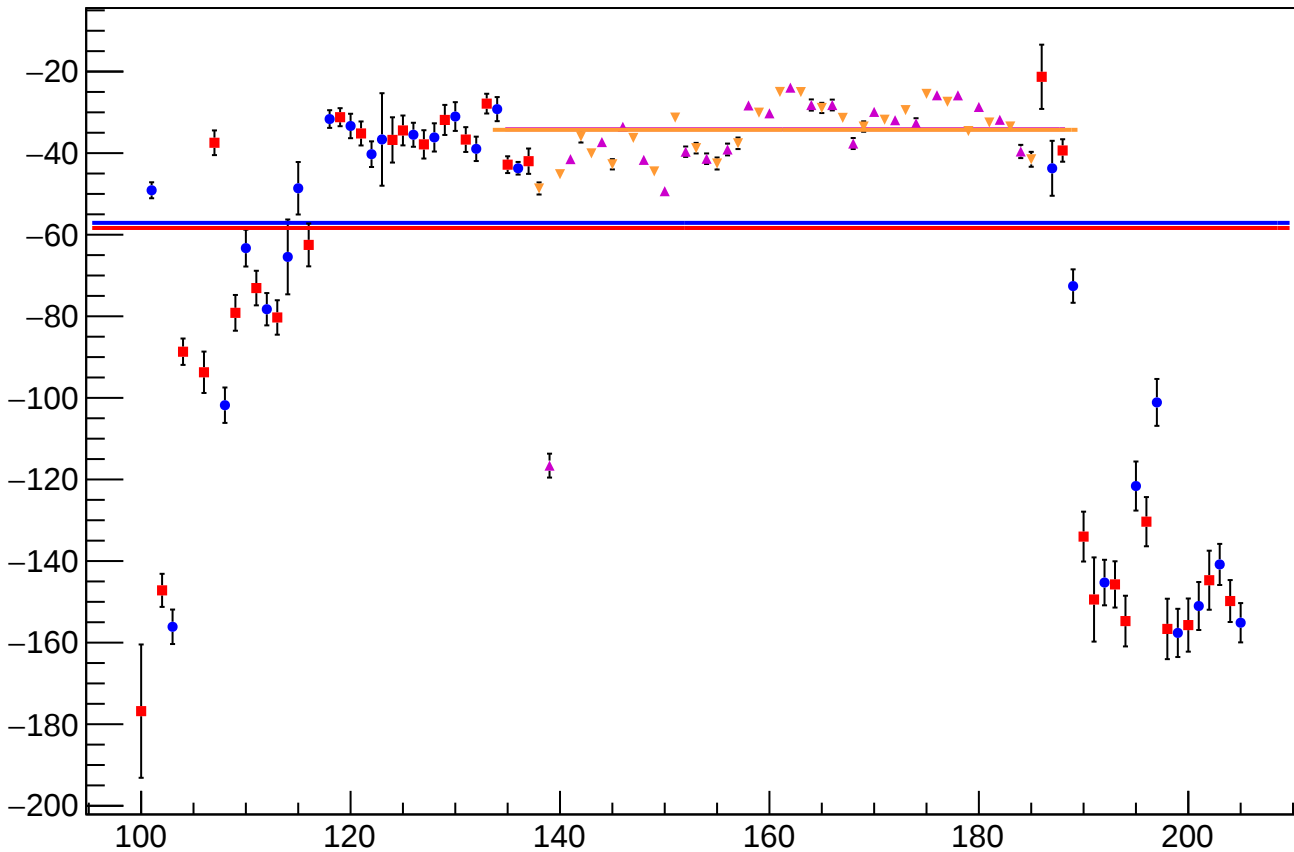
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -33.120 ± 0.294 χ^2/NDF : 609.7/33

All: -32.341 ± 0.210 χ^2/NDF : 1385.7/67

- sign -31.524 ± 0.301 χ^2/NDF : 761.6/33

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -57.095 ± 0.676 χ^2/NDF : 2959.3/25

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -58.348 ± 0.694 χ^2/NDF : 3209.2/29

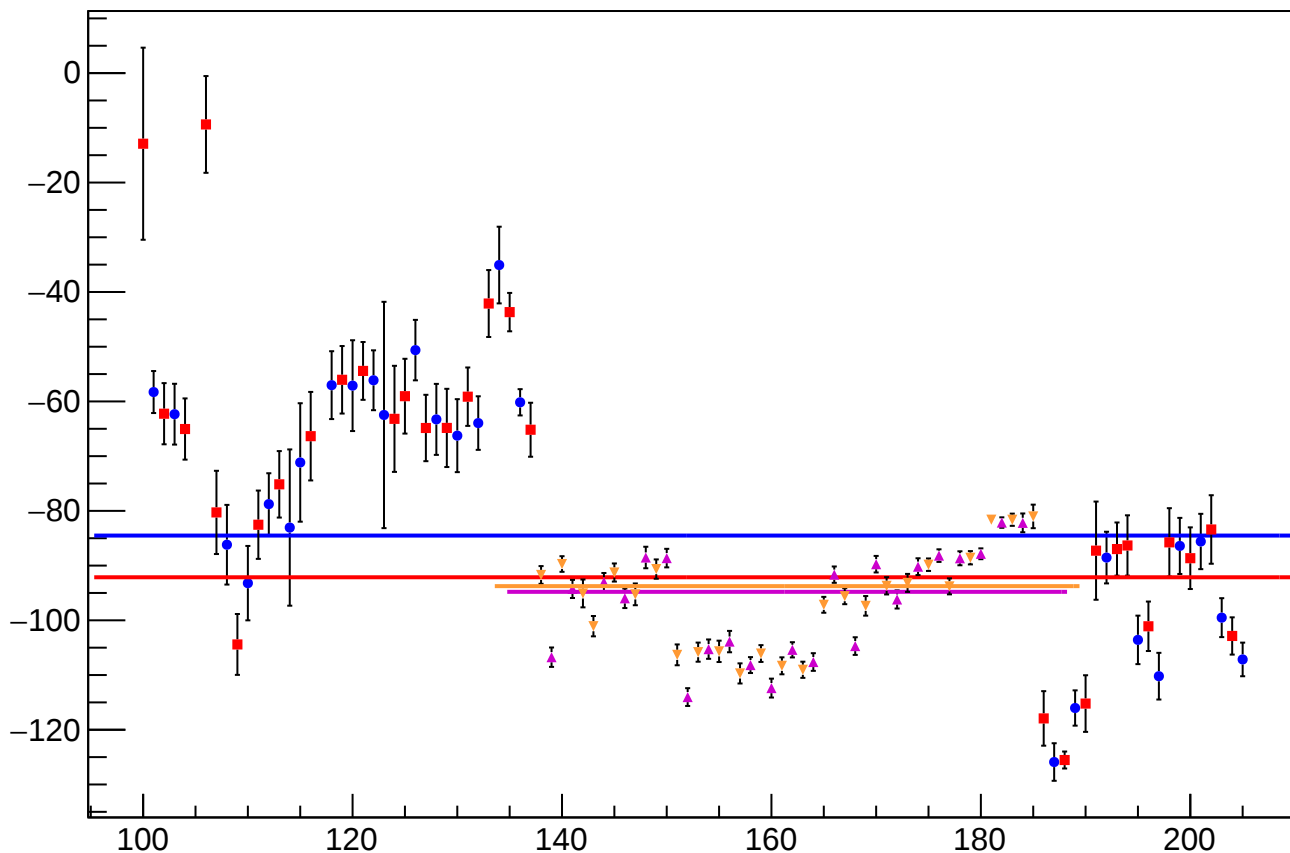
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -36.865 ± 0.227 χ^2/NDF : 4663.1/50

All: -36.903 ± 0.164 χ^2/NDF : 10401.6/103

- sign -36.943 ± 0.236 χ^2/NDF : 5738.5/52

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -84.512 ± 0.924 χ^2/NDF : 720.3/25

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -92.134 ± 0.870 χ^2/NDF : 1196.0/29

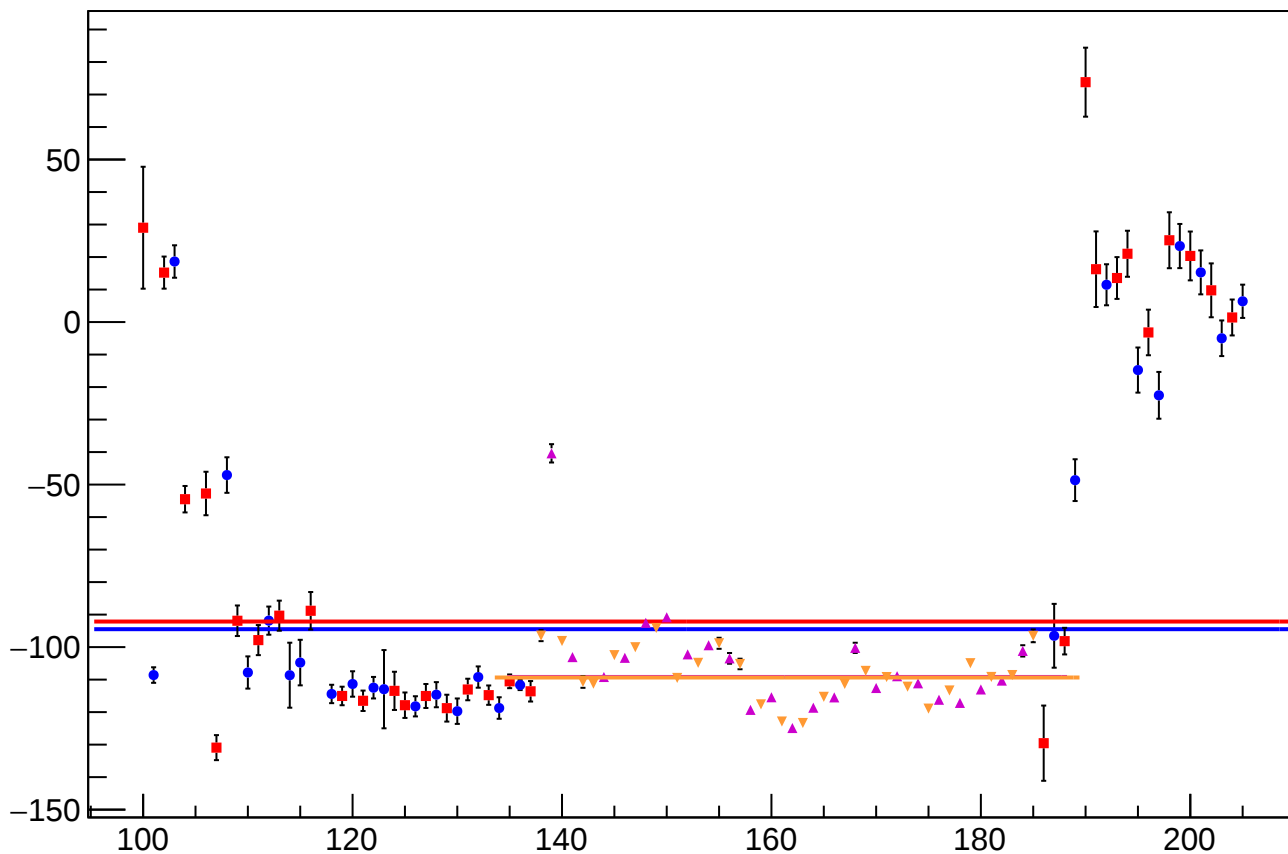
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.864 ± 0.287 χ^2/NDF : 1693.7/50

All: -93.670 ± 0.204 χ^2/NDF : 3888.8/103

- sign -94.499 ± 0.291 χ^2/NDF : 2179.1/52

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -94.487 ± 0.765 $\chi^2/\text{NDF}: 2842.3/25$

Left Out: -109.351 ± 0.271 $\chi^2/\text{NDF}: 826.8/24$

Right Out: -92.134 ± 0.798 $\chi^2/\text{NDF}: 3098.3/29$

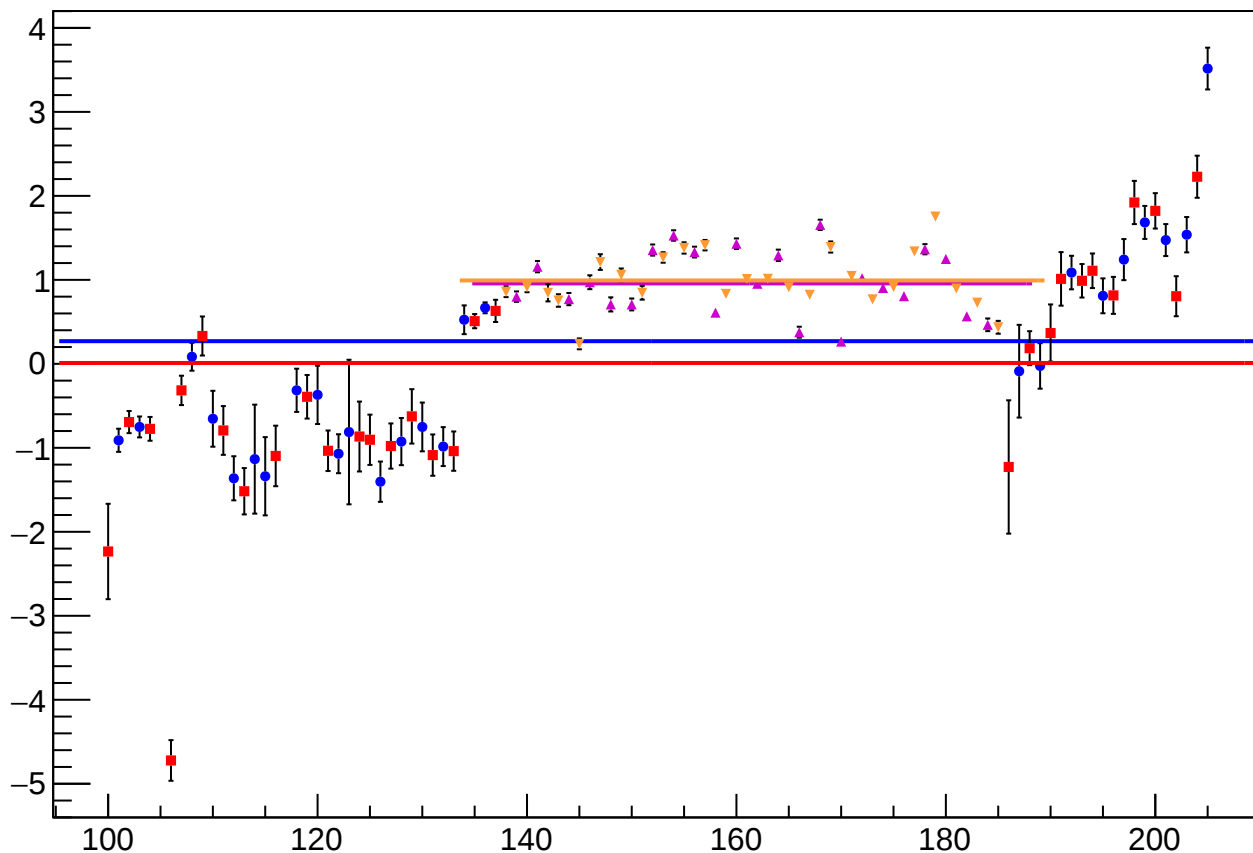
Left In: -109.184 ± 0.280 $\chi^2/\text{NDF}: 1501.1/22$

+ sign -107.692 ± 0.256 $\chi^2/\text{NDF}: 4004.5/50$

All: -107.510 ± 0.184 $\chi^2/\text{NDF}: 9011.4/103$

- sign -107.316 ± 0.264 $\chi^2/\text{NDF}: 5005.9/52$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.270 ± 0.037 $\chi^2/\text{NDF}: 735.7/25$

Left Out: 0.993 ± 0.012 $\chi^2/\text{NDF}: 638.6/24$

Right Out: 0.010 ± 0.038 $\chi^2/\text{NDF}: 957.2/29$

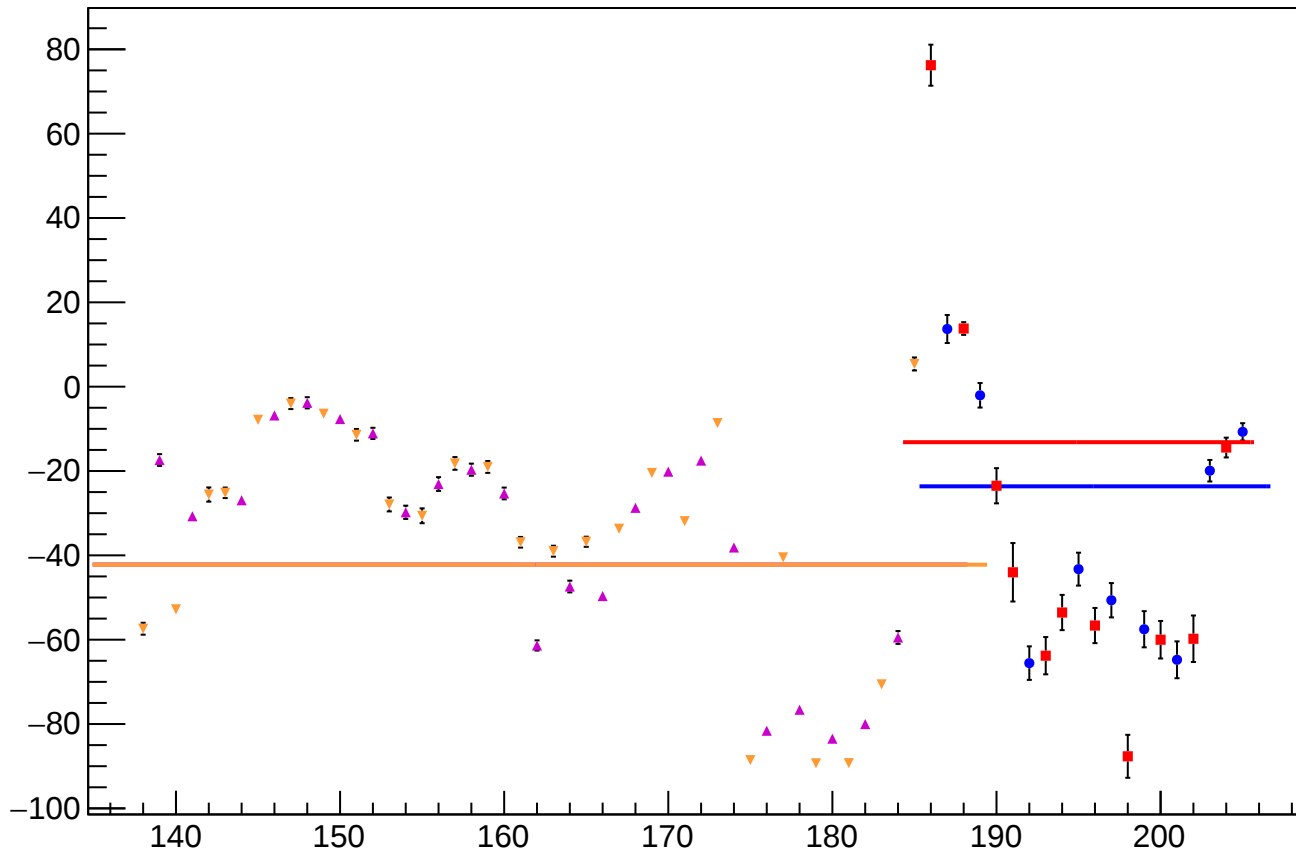
Left In: 0.958 ± 0.013 $\chi^2/\text{NDF}: 894.5/22$

+ sign 0.920 ± 0.012 $\chi^2/\text{NDF}: 1718.8/50$

All: 0.892 ± 0.008 $\chi^2/\text{NDF}: 4147.6/103$

- sign 0.862 ± 0.012 $\chi^2/\text{NDF}: 2417.2/52$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -23.633 ± 1.057 $\chi^2/\text{NDF}: 554.3/8$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: -13.164 ± 0.985 $\chi^2/\text{NDF}: 1412.3/10$

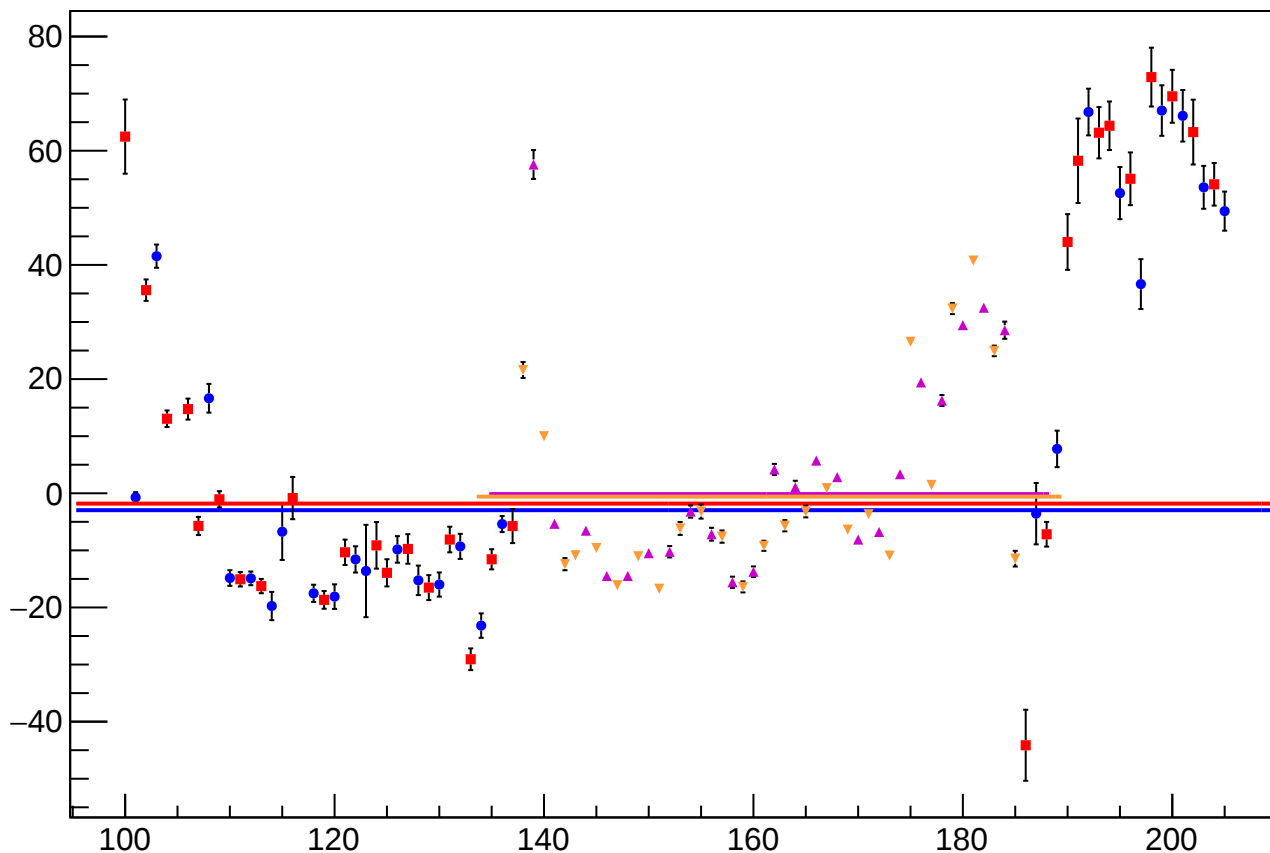
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -41.427 ± 0.217 $\chi^2/\text{NDF}: 19159.5/33$

All: -41.077 ± 0.155 $\chi^2/\text{NDF}: 35976.0/67$

- sign -40.713 ± 0.221 $\chi^2/\text{NDF}: 16811.2/33$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -2.961 ± 0.410 χ^2/NDF : 2572.3/25

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: -1.807 ± 0.406 χ^2/NDF : 3004.9/29

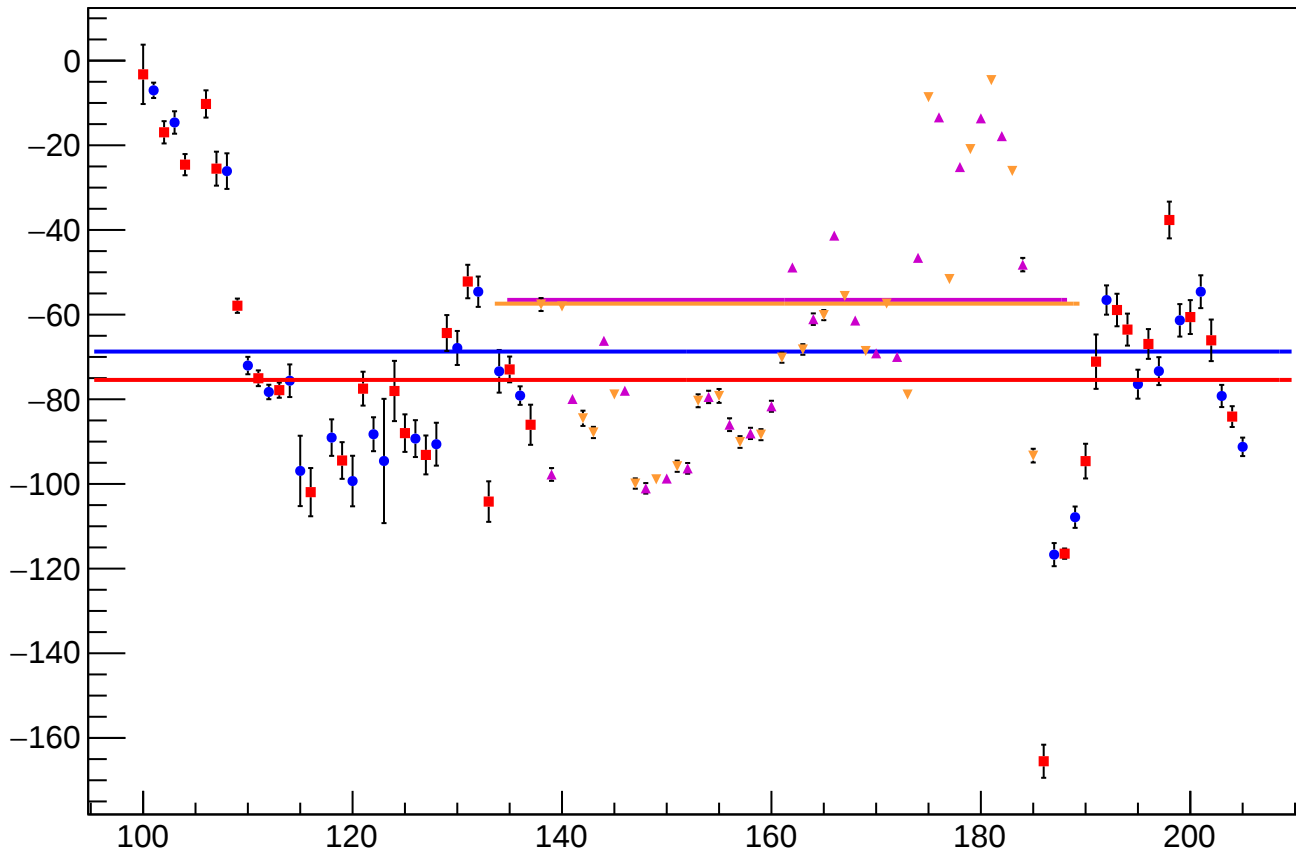
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -0.952 ± 0.160 χ^2/NDF : 11351.5/50

All: -0.688 ± 0.115 χ^2/NDF : 21238.4/103

- sign -0.413 ± 0.164 χ^2/NDF : 9881.4/52

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -68.728 ± 0.594 χ^2/NDF : 2586.3/25

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -75.427 ± 0.544 χ^2/NDF : 3661.8/29

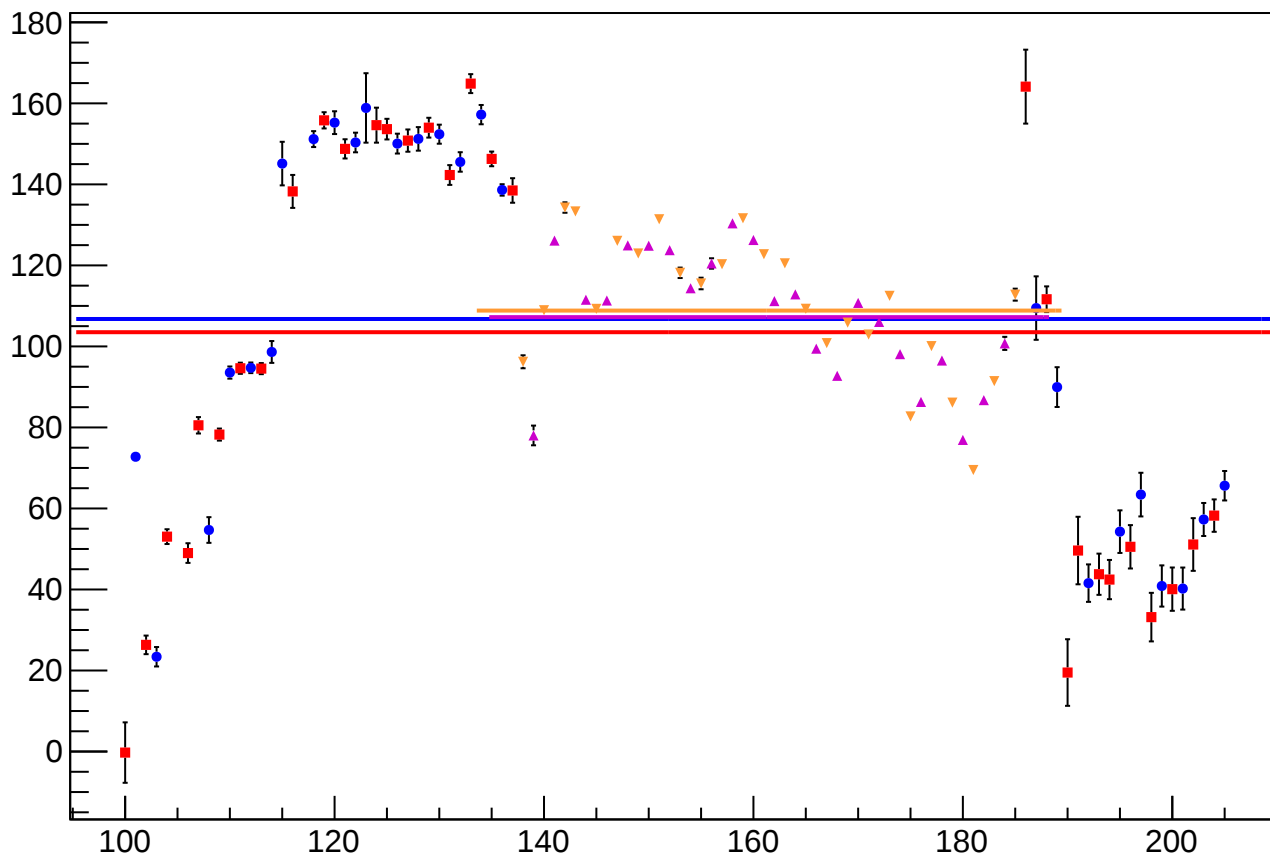
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.813 ± 0.209 χ^2/NDF : 21508.4/50

All: -59.067 ± 0.148 χ^2/NDF : 42553.7/103

- sign -59.322 ± 0.210 χ^2/NDF : 21042.4/52

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 106.770 $\pm$ 0.469 χ^2 /NDF: 6926.0/25

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 103.510 $\pm$ 0.466 χ^2 /NDF: 8163.3/29

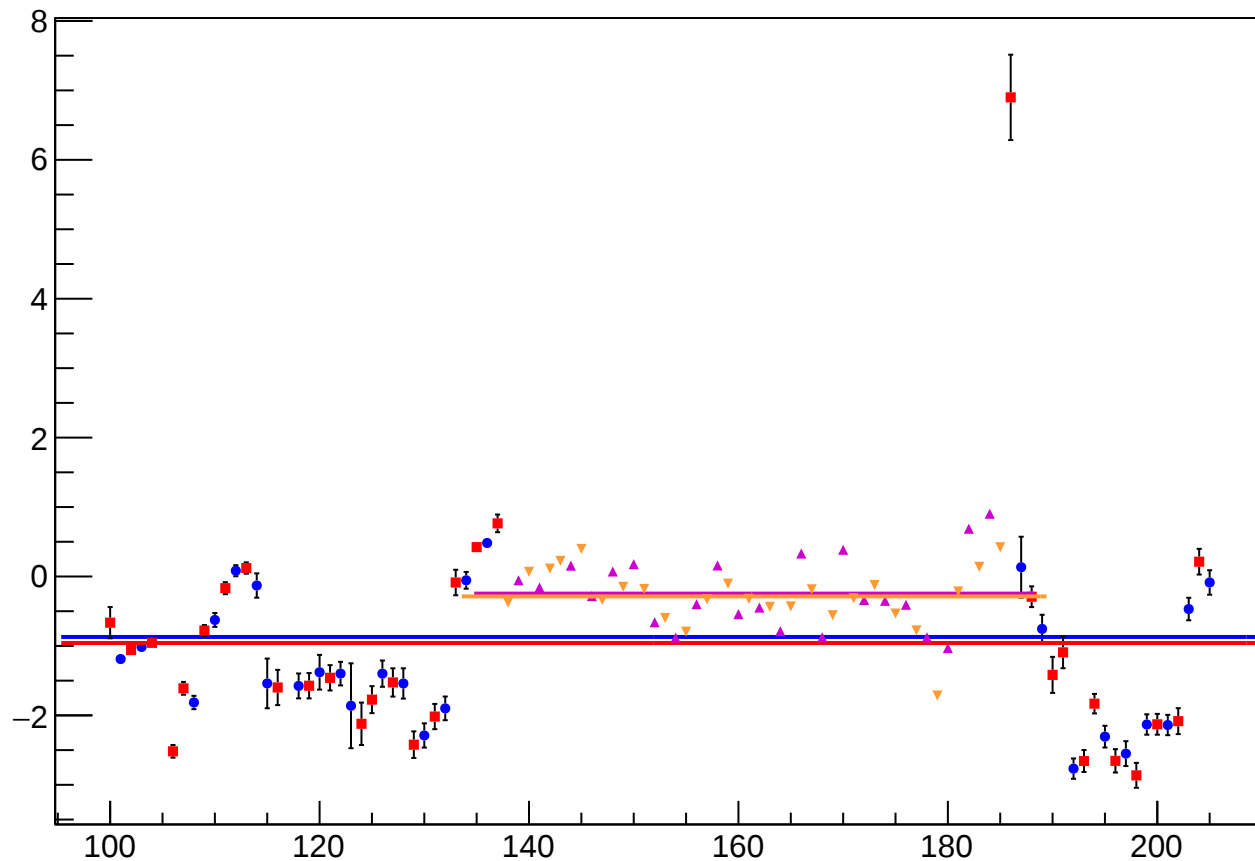
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.534 $\pm$ 0.182 χ^2 /NDF: 14342.9/50

All: 107.604 $\pm$ 0.130 χ^2 /NDF: 28178.2/103

- sign 106.636 $\pm$ 0.186 χ^2 /NDF: 13782.0/52

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.871 ± 0.024 χ^2/NDF : 1557.1/25

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.958 ± 0.022 χ^2/NDF : 2029.8/29

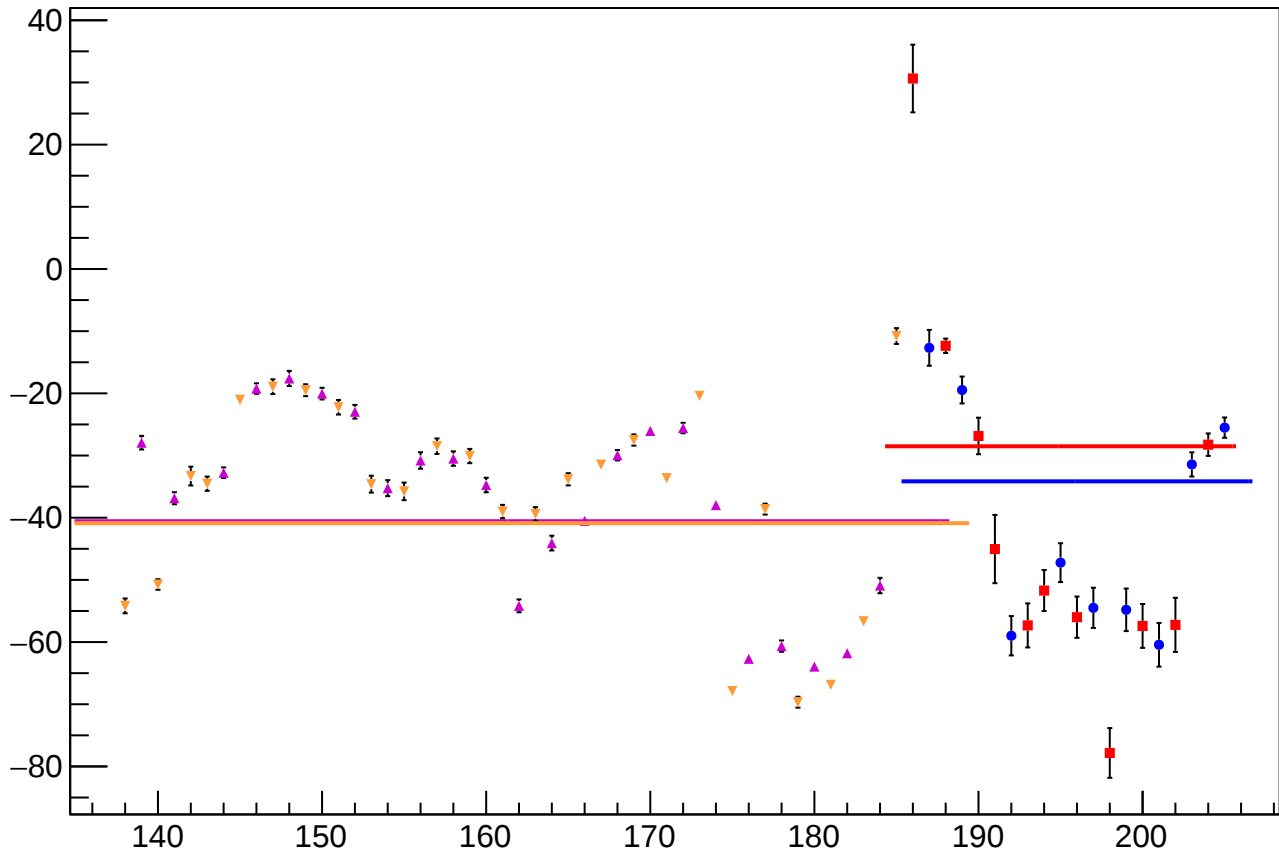
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.363 ± 0.008 χ^2/NDF : 4146.4/50

All: -0.357 ± 0.006 χ^2/NDF : 9841.6/103

- sign -0.352 ± 0.009 χ^2/NDF : 5694.4/52

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -34.151 ± 0.835 χ^2/NDF : 342.6/8

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -28.513 ± 0.768 χ^2/NDF : 770.0/10

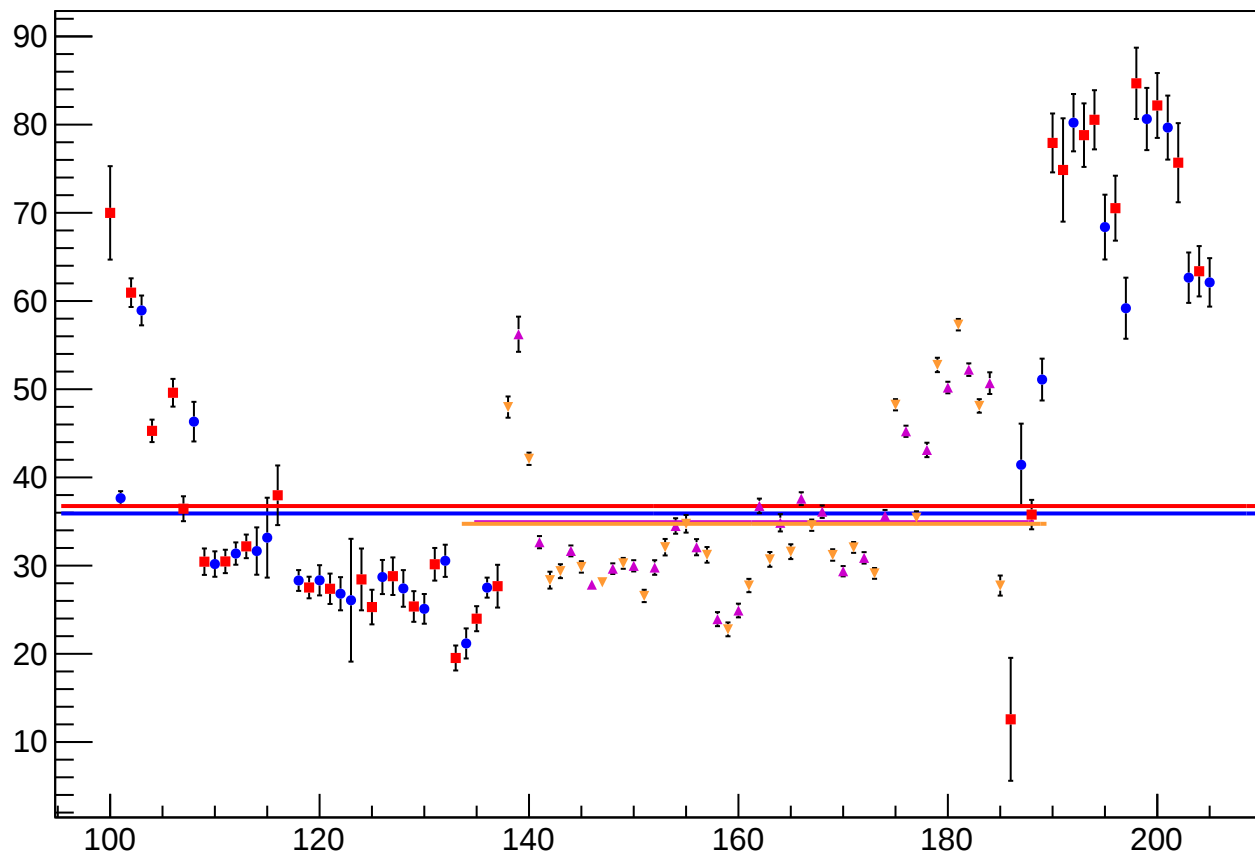
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.561 ± 0.182 χ^2/NDF : 9527.7/33

All: -40.222 ± 0.129 χ^2/NDF : 17491.8/67

- sign -39.872 ± 0.184 χ^2/NDF : 7957.0/33

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 35.913 $\pm$ 0.354 χ^2 /NDF: 1376.1/25

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF:3693.2/24

Right Out: 36.754 $\pm$ 0.354 χ^2 /NDF: 1916.8/29

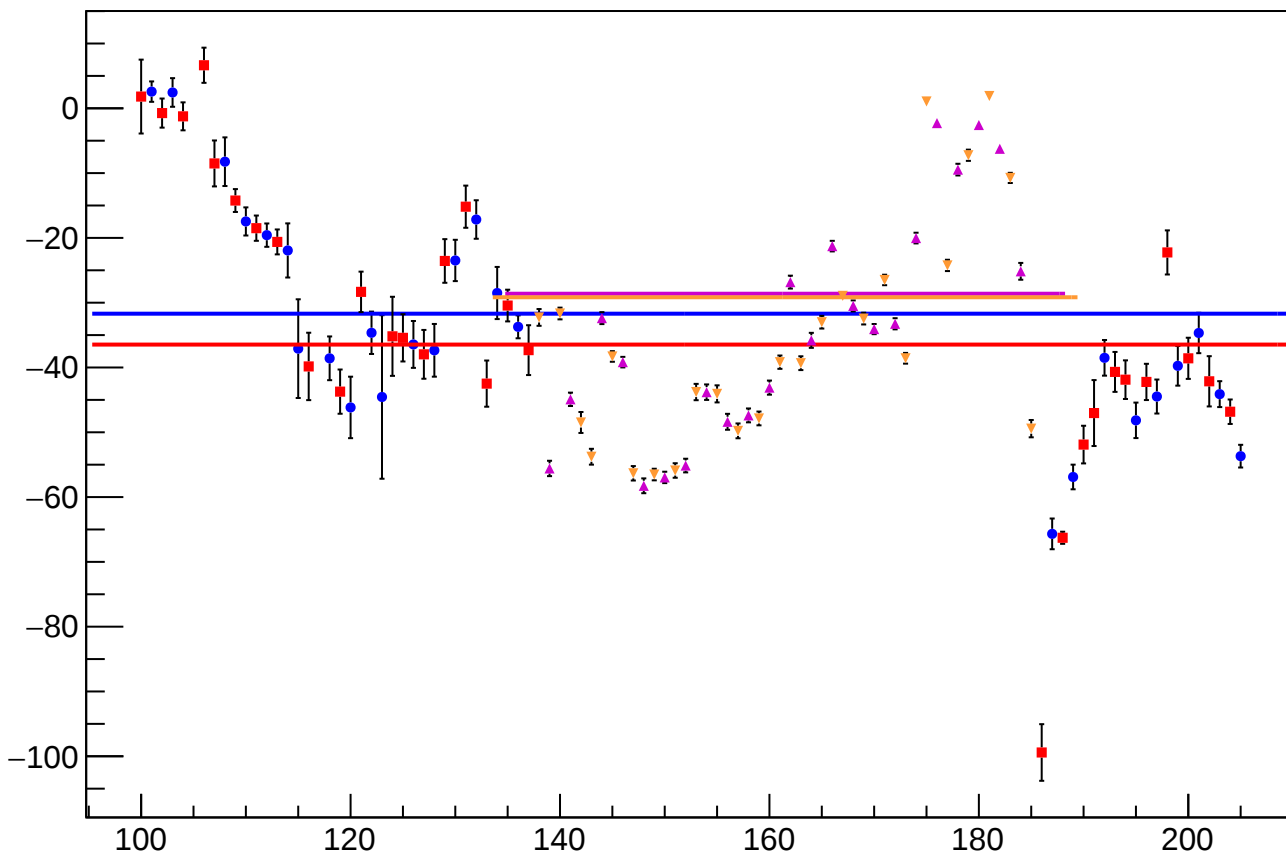
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF:2672.9/22

+ sign 34.914 $\pm$ 0.136 χ^2 /NDF: 5078.6/50

All: 35.057 $\pm$ 0.097 χ^2 /NDF: 9693.2/103

- sign 35.207 $\pm$ 0.139 χ^2 /NDF: 4612.4/52

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -31.697 ± 0.507 χ^2/NDF : 1548.9/25

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -36.464 ± 0.464 χ^2/NDF : 2587.3/29

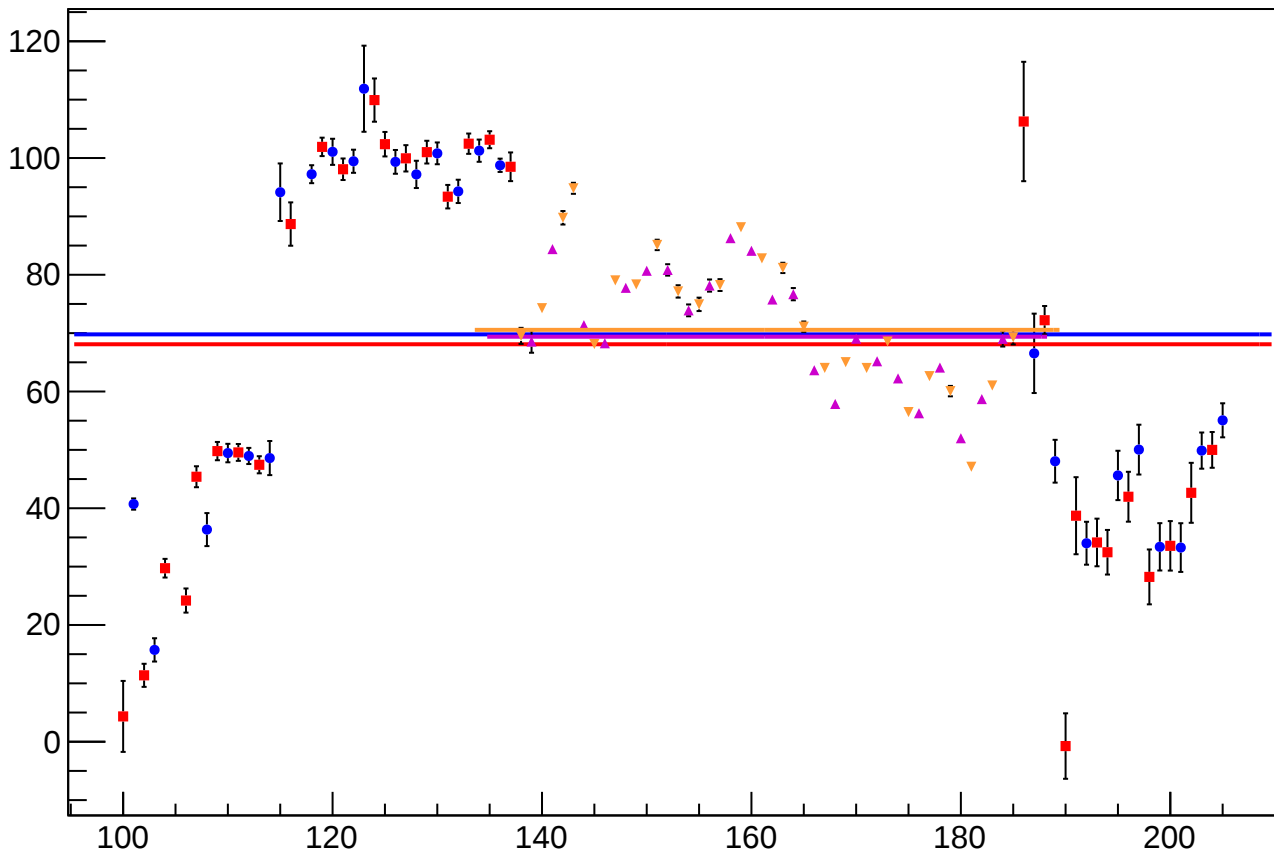
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -29.466 ± 0.175 χ^2/NDF : 11696.9/50

All: -29.603 ± 0.124 χ^2/NDF : 23571.2/103

- sign -29.741 ± 0.176 χ^2/NDF : 11873.1/52

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 69.789 $\pm$ 0.406 χ^2 /NDF: 5121.2/25

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 68.093 $\pm$ 0.409 χ^2 /NDF: 6111.6/29

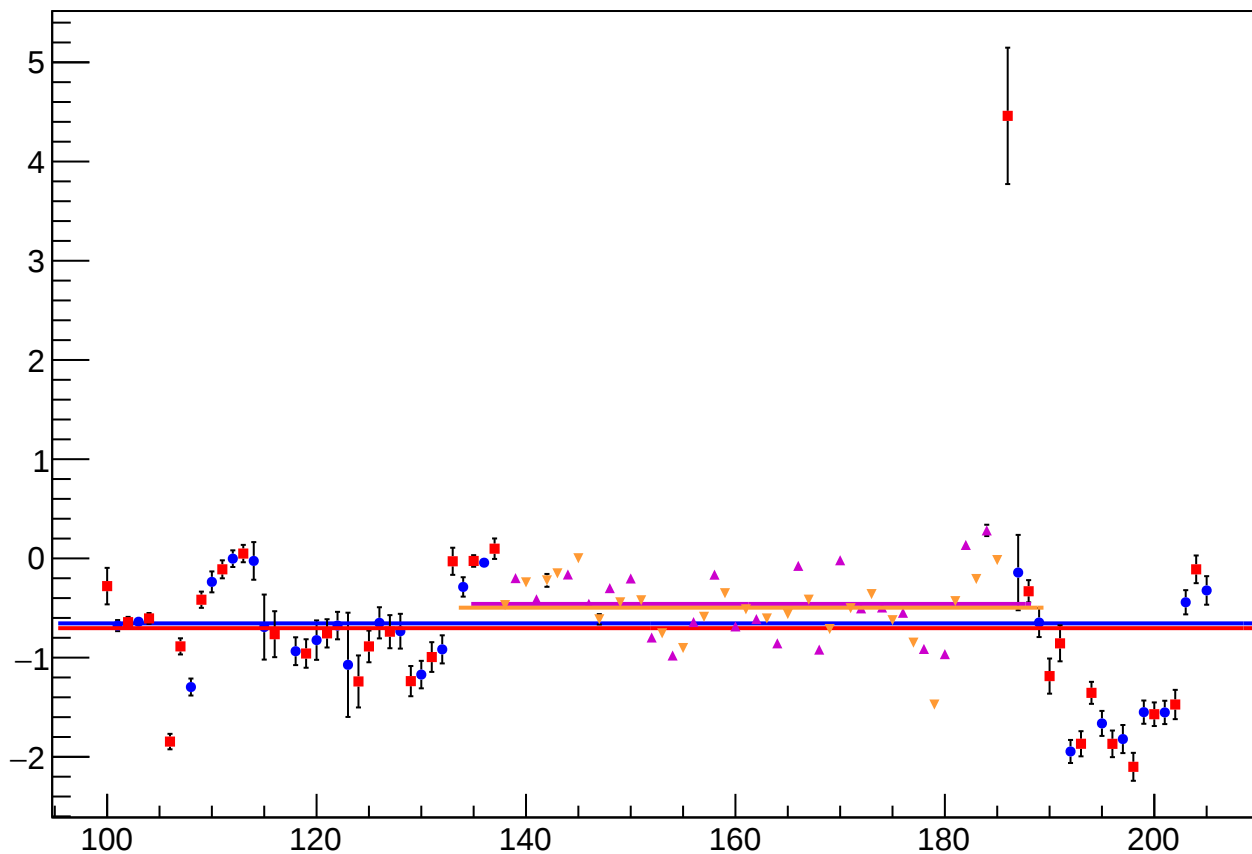
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.452 $\pm$ 0.154 χ^2 /NDF: 9713.4/50

All: 69.837 $\pm$ 0.110 χ^2 /NDF: 19188.0/103

- sign 69.196 $\pm$ 0.157 χ^2 /NDF: 9442.0/52

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.655 ± 0.020 χ^2/NDF : 732.7/25

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.703 ± 0.019 χ^2/NDF : 1070.4/29

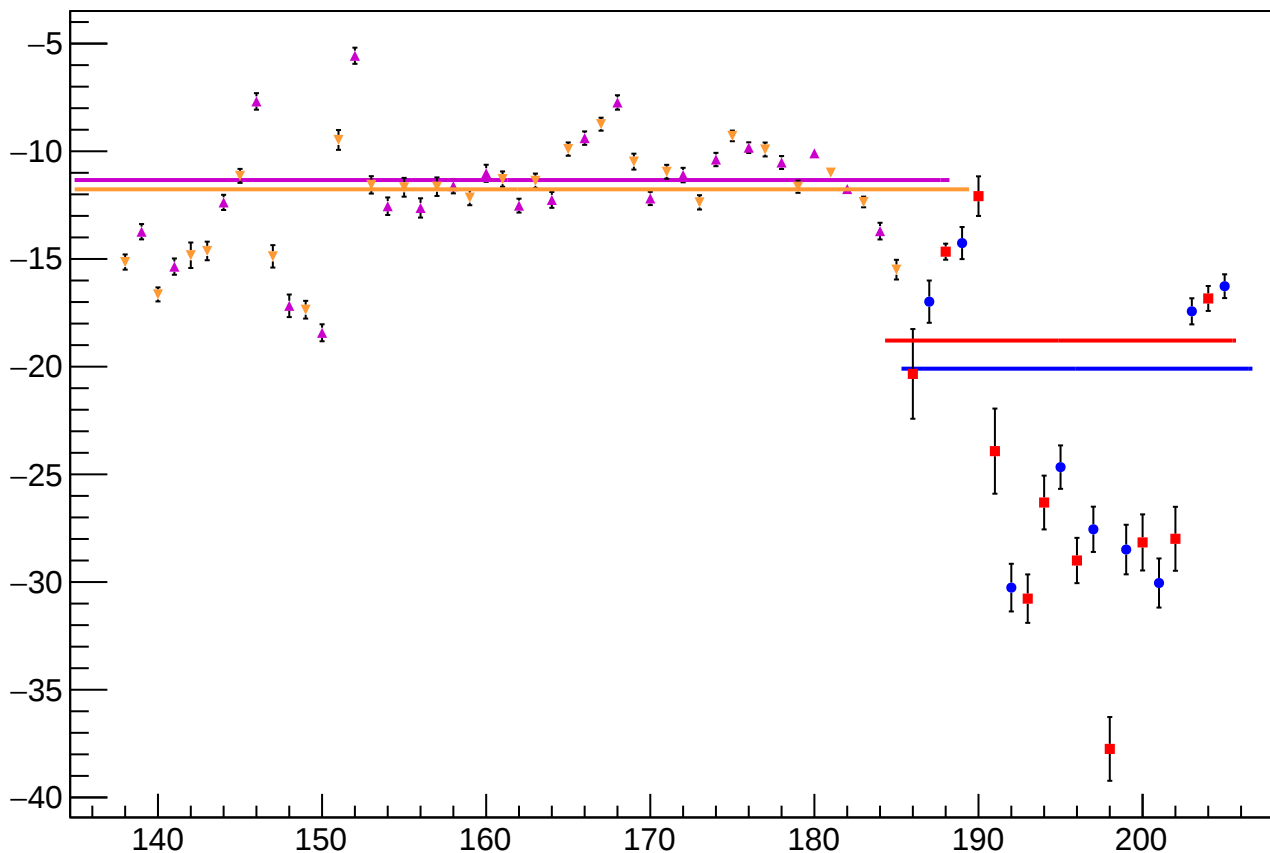
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.517 ± 0.007 χ^2/NDF : 2236.7/50

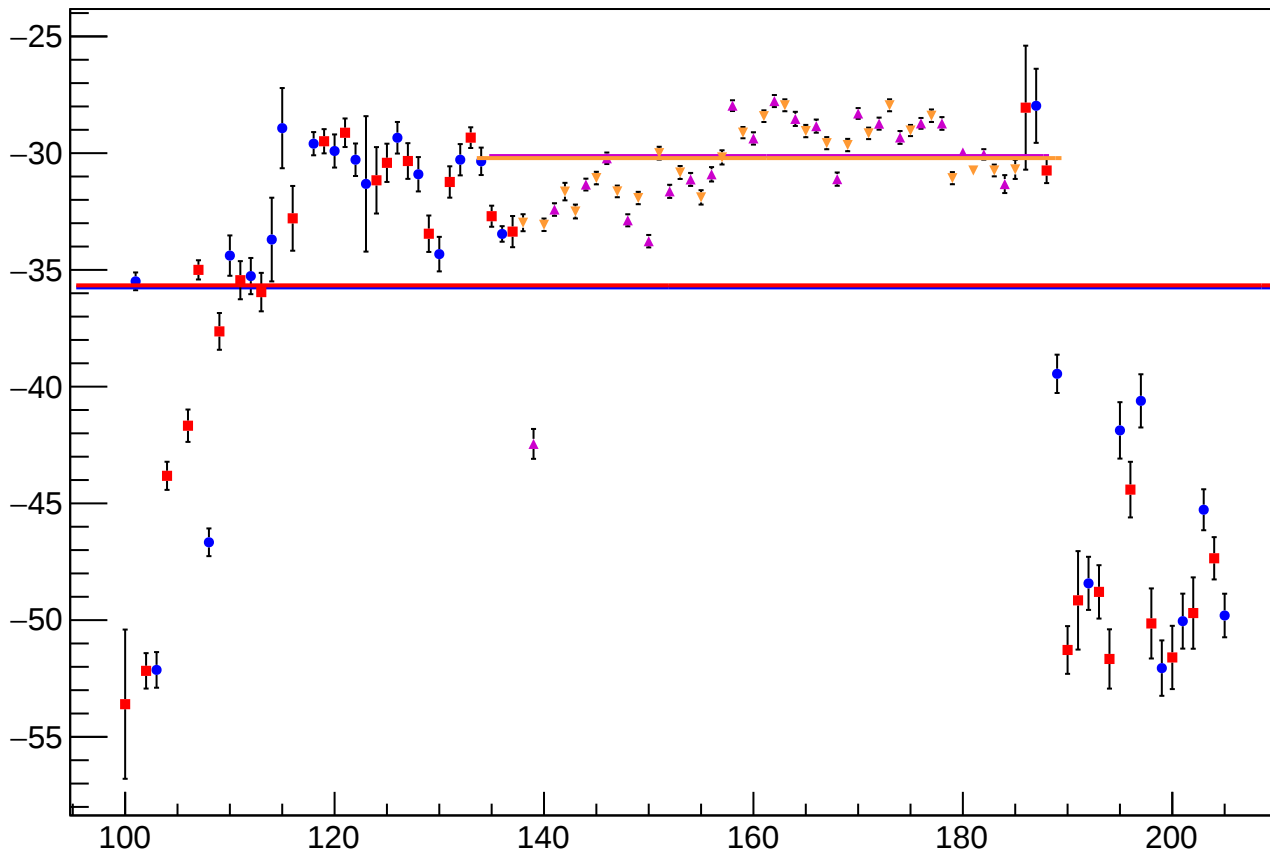
All: -0.505 ± 0.005 χ^2/NDF : 5411.3/103

- sign -0.493 ± 0.007 χ^2/NDF : 3169.2/52

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.749 ± 0.140 χ^2/NDF : 2332.6/25

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -35.662 ± 0.137 χ^2/NDF : 2634.9/29

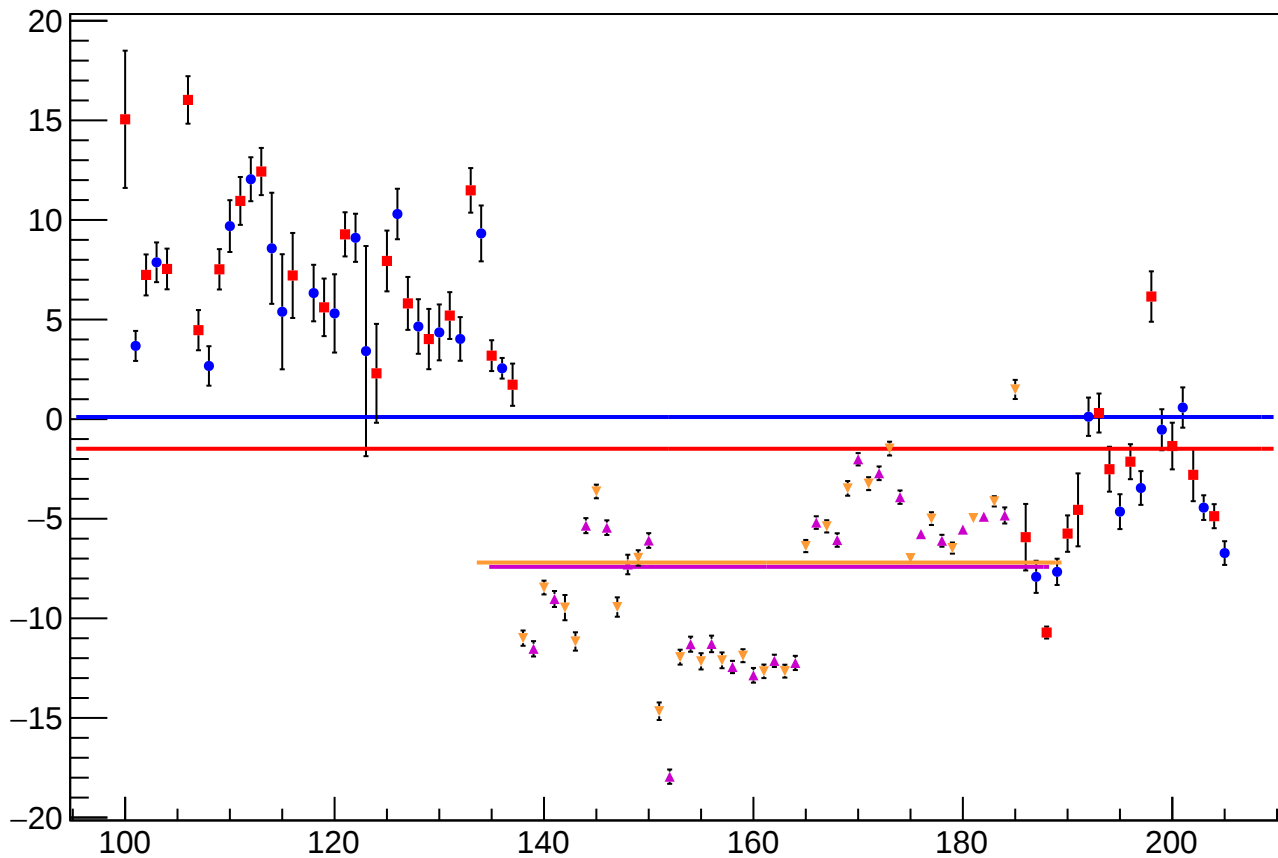
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.929 ± 0.050 χ^2/NDF : 4435.6/50

All: -30.918 ± 0.036 χ^2/NDF : 9701.7/103

- sign -30.905 ± 0.051 χ^2/NDF : 5266.0/52

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 0.107 ± 0.187 $\chi^2/\text{NDF}: 989.9/25$

Left Out: -7.199 ± 0.067 $\chi^2/\text{NDF}: 3037.3/24$

Right Out: -1.486 ± 0.172 $\chi^2/\text{NDF}: 2229.0/29$

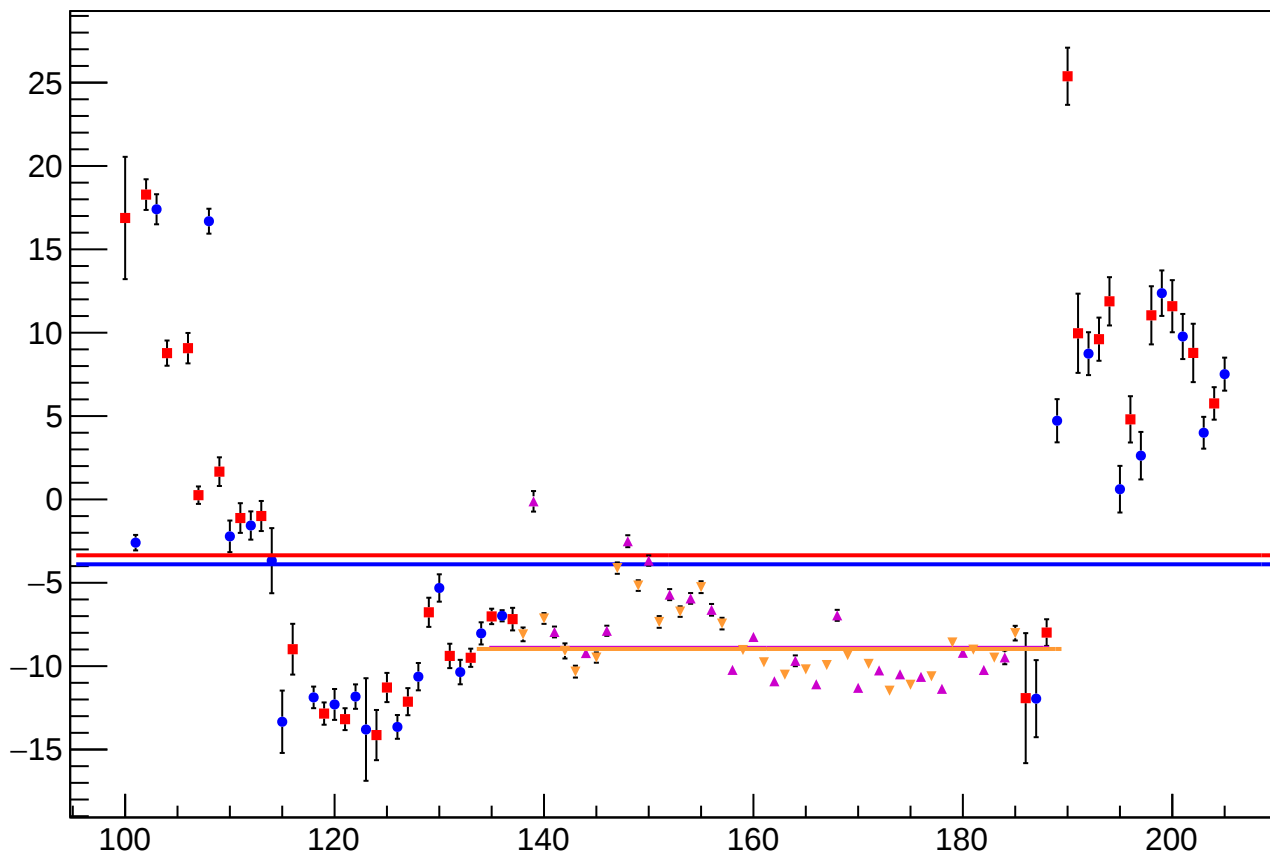
Left In: -7.415 ± 0.068 $\chi^2/\text{NDF}: 3123.3/22$

+ sign -6.370 ± 0.063 $\chi^2/\text{NDF}: 5380.8/50$

All: -6.491 ± 0.045 $\chi^2/\text{NDF}: 11773.2/103$

- sign -6.613 ± 0.063 $\chi^2/\text{NDF}: 6385.0/52$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.892 ± 0.159 χ^2/NDF : 2809.3/25

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -3.351 ± 0.160 χ^2/NDF : 3007.5/29

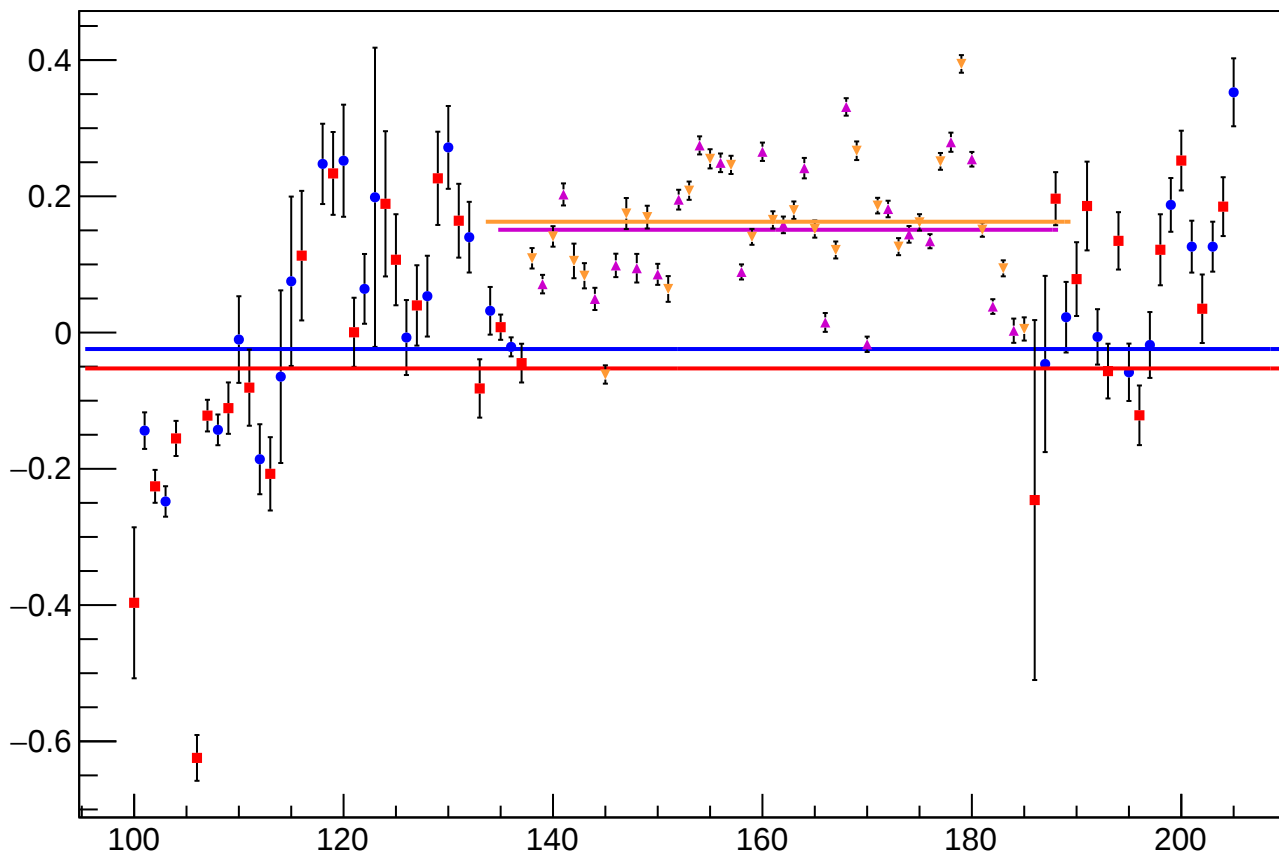
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.331 ± 0.056 χ^2/NDF : 4584.6/50

All: -8.257 ± 0.040 χ^2/NDF : 10180.3/103

- sign -8.181 ± 0.058 χ^2/NDF : 5592.2/52

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.024 ± 0.007 χ^2/NDF : 353.0/25

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.053 ± 0.007 χ^2/NDF : 645.3/29

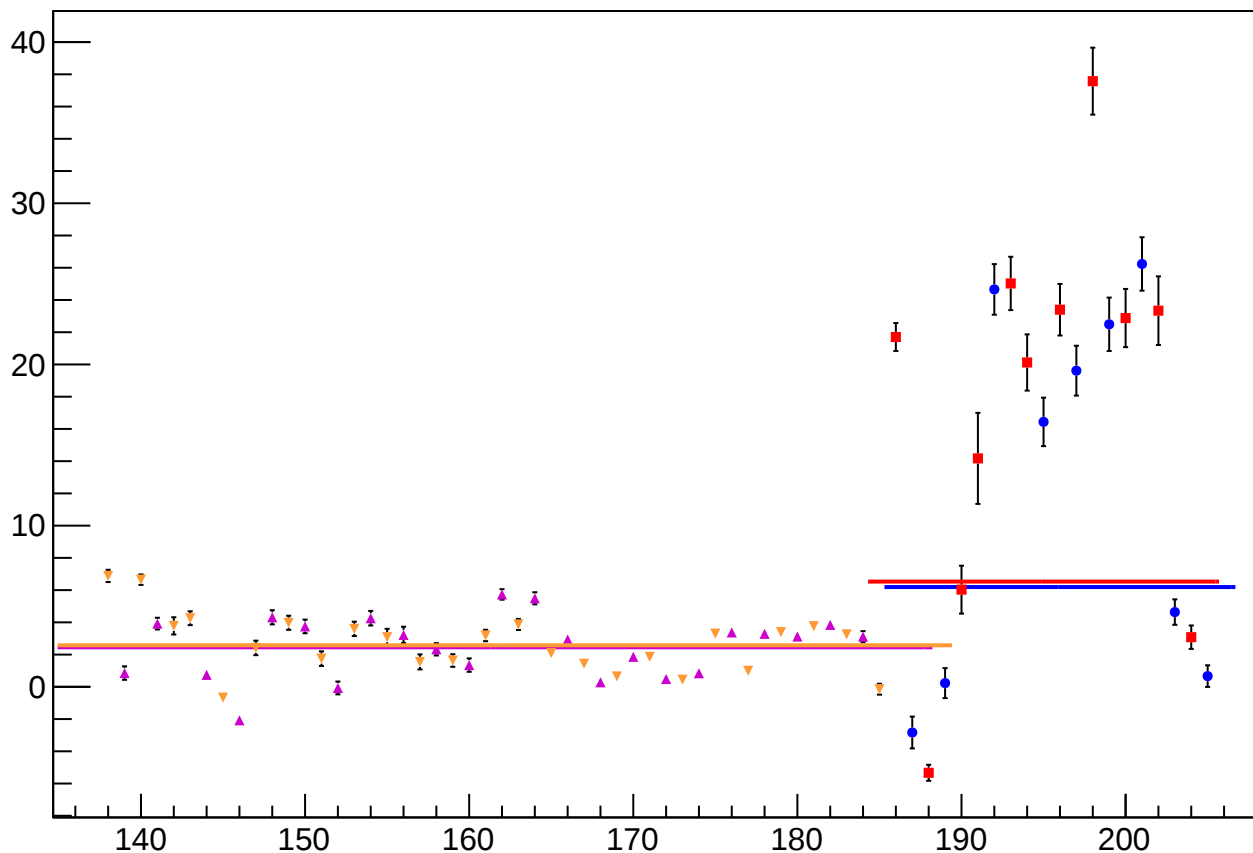
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.140 ± 0.003 χ^2/NDF : 1943.0/50

All: 0.133 ± 0.002 χ^2/NDF : 4571.9/103

- sign 0.125 ± 0.003 χ^2/NDF : 2612.7/52

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 6.190 ± 0.354 χ^2/NDF : 699.0/8

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 6.529 ± 0.321 χ^2/NDF : 1572.5/10

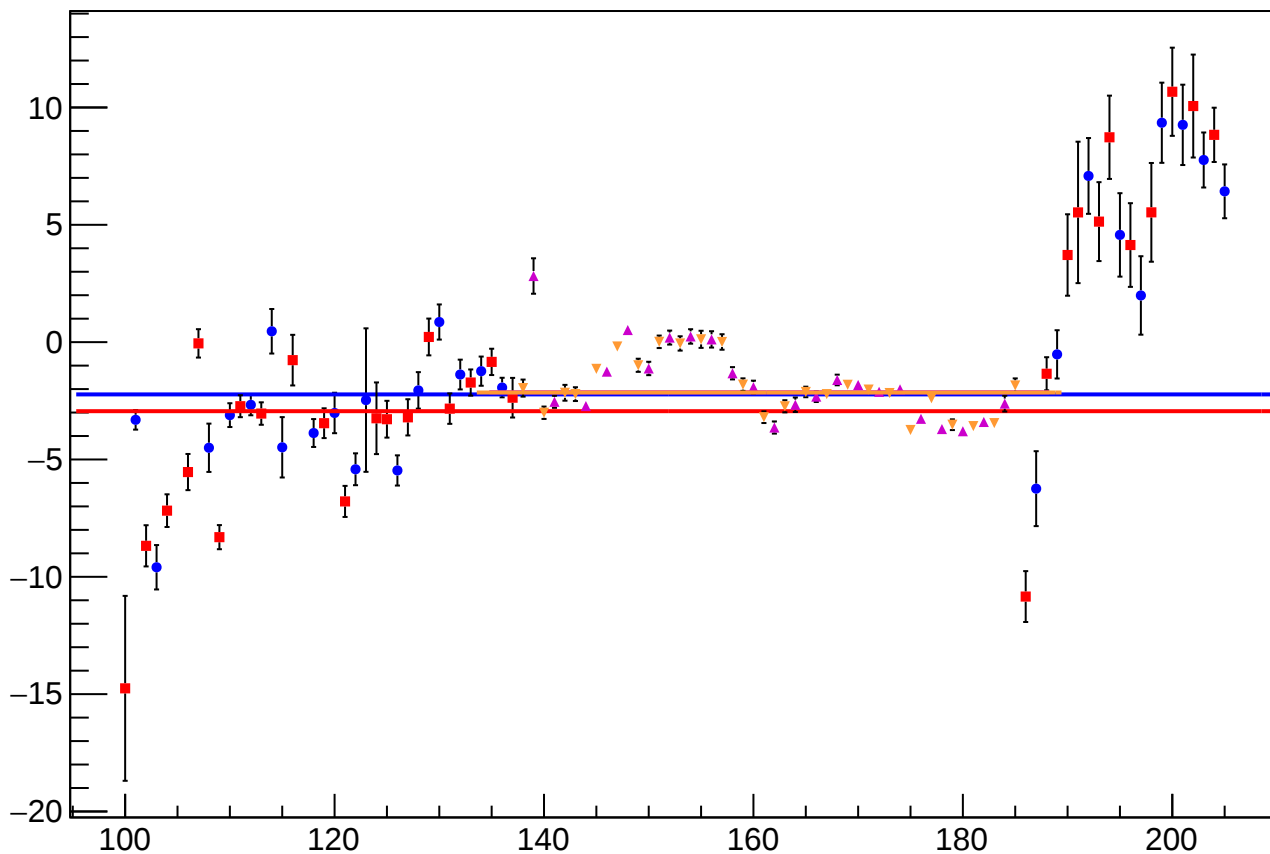
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.672 ± 0.057 χ^2/NDF : 1668.0/33

All: 2.630 ± 0.041 χ^2/NDF : 4268.8/67

- sign 2.587 ± 0.058 χ^2/NDF : 2599.7/33

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.227 ± 0.147 χ^2/NDF : 448.9/25

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -2.942 ± 0.145 χ^2/NDF : 677.1/29

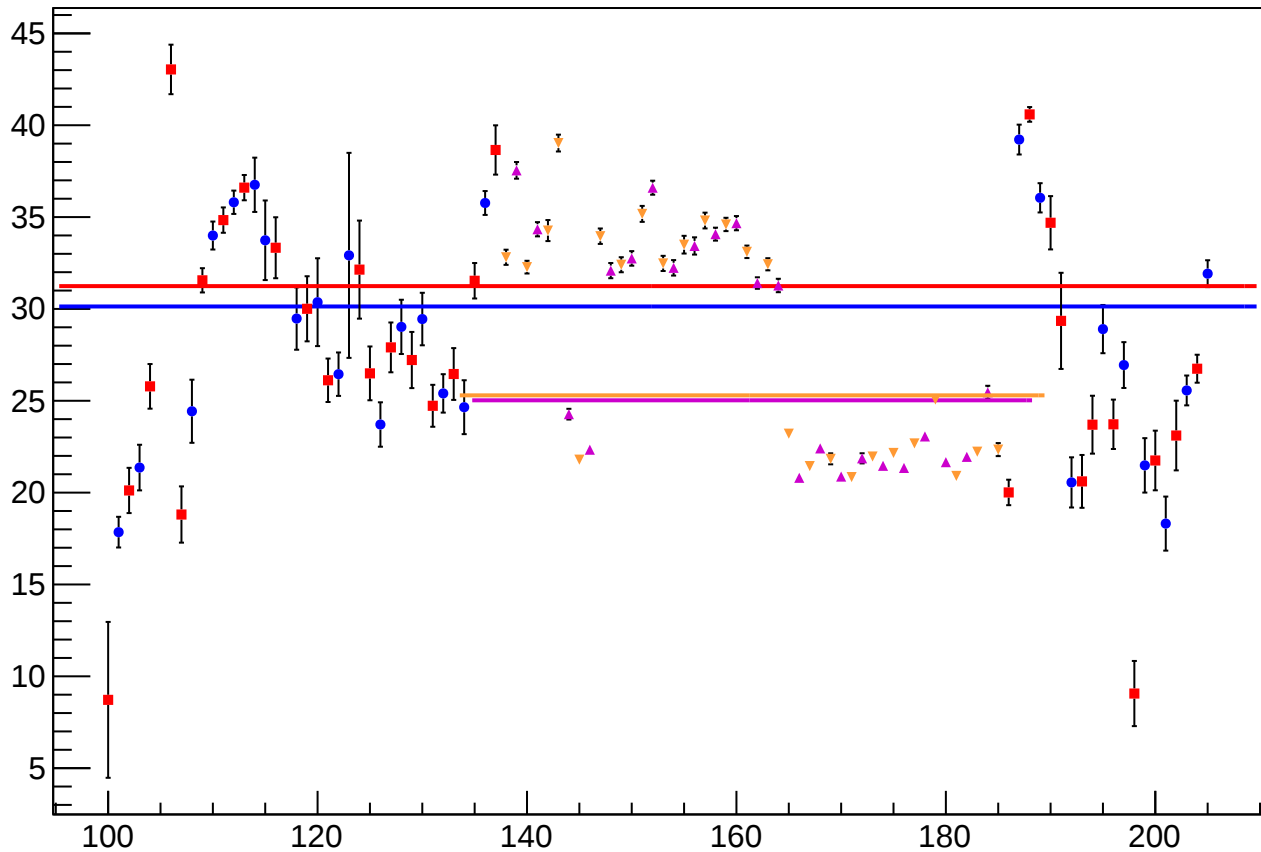
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.153 ± 0.045 χ^2/NDF : 1022.6/50

All: -2.185 ± 0.032 χ^2/NDF : 2419.6/103

- sign -2.217 ± 0.046 χ^2/NDF : 1396.1/52

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.134 $\pm$ 0.208 χ^2 /NDF: 927.5/25

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 31.242 $\pm$ 0.190 χ^2 /NDF: 1646.6/29

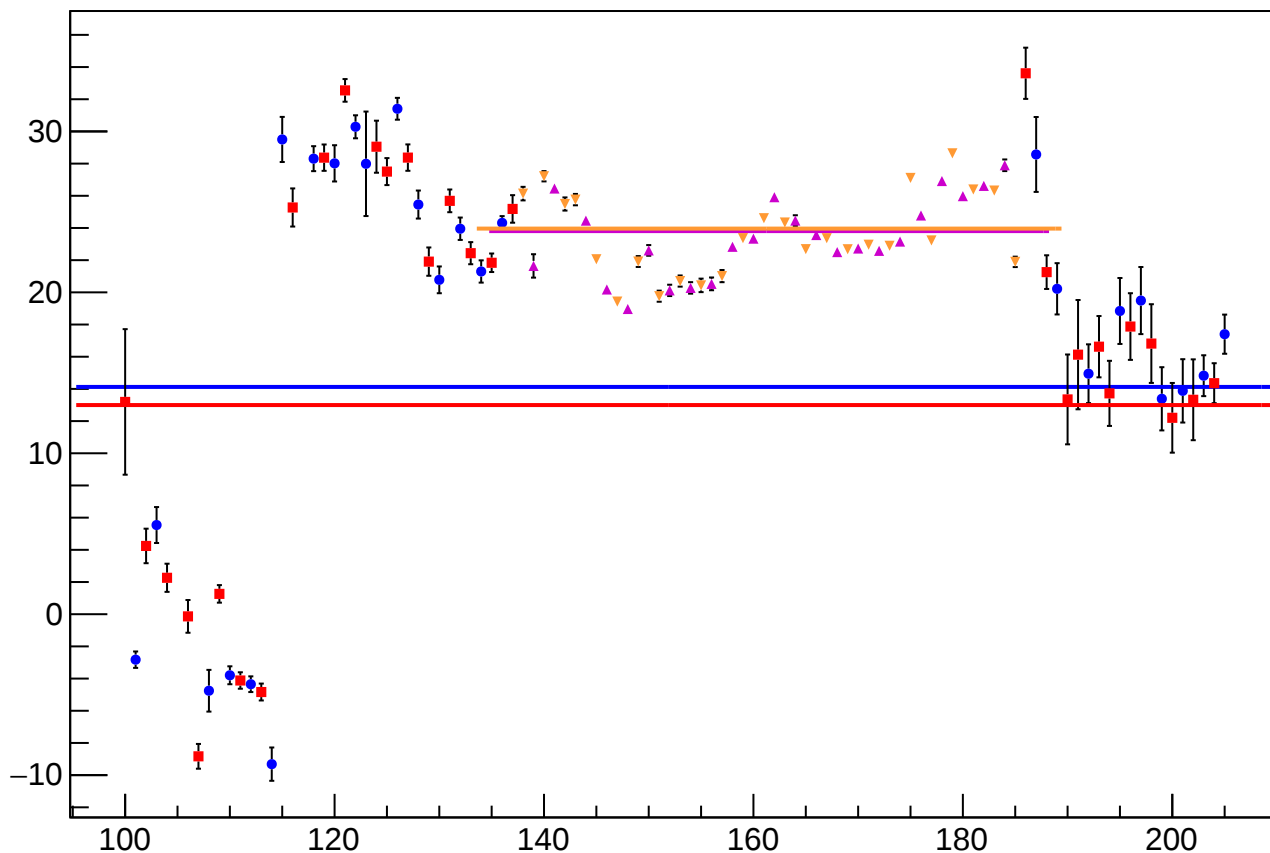
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.654 $\pm$ 0.057 χ^2 /NDF: 9700.5/50

All: 25.619 $\pm$ 0.040 χ^2 /NDF: 19937.2/103

- sign 25.585 $\pm$ 0.057 χ^2 /NDF: 10235.9/52

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.123 $\pm$ 0.165 χ^2 /NDF: 7350.8/25

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.996 $\pm$ 0.166 χ^2 /NDF: 7208.7/29

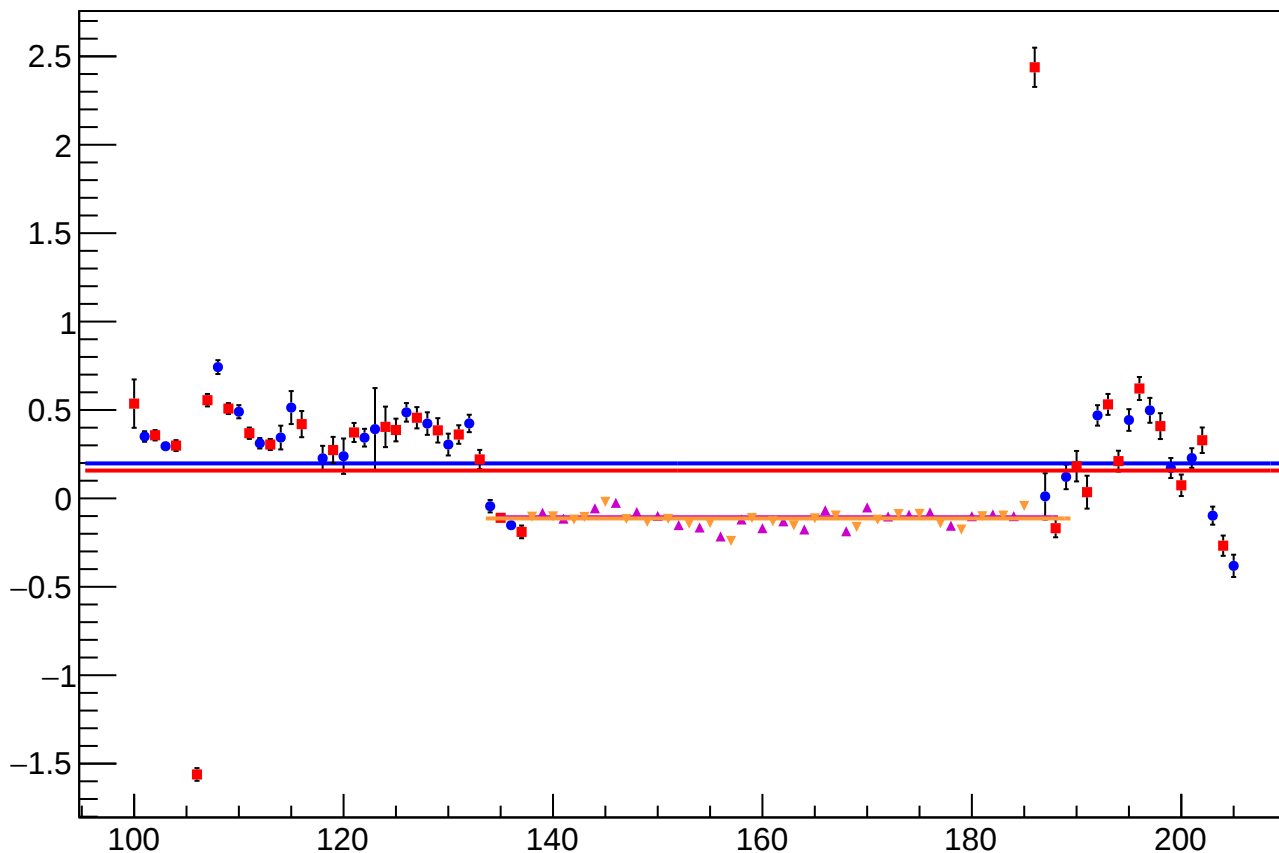
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.041 $\pm$ 0.051 χ^2 /NDF: 12481.2/50

All: 22.904 $\pm$ 0.036 χ^2 /NDF: 25319.4/103

- sign 22.764 $\pm$ 0.051 χ^2 /NDF: 12823.5/52

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.198 ± 0.009 χ^2/NDF : 1024.6/25

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.157 ± 0.008 χ^2/NDF : 3647.8/29

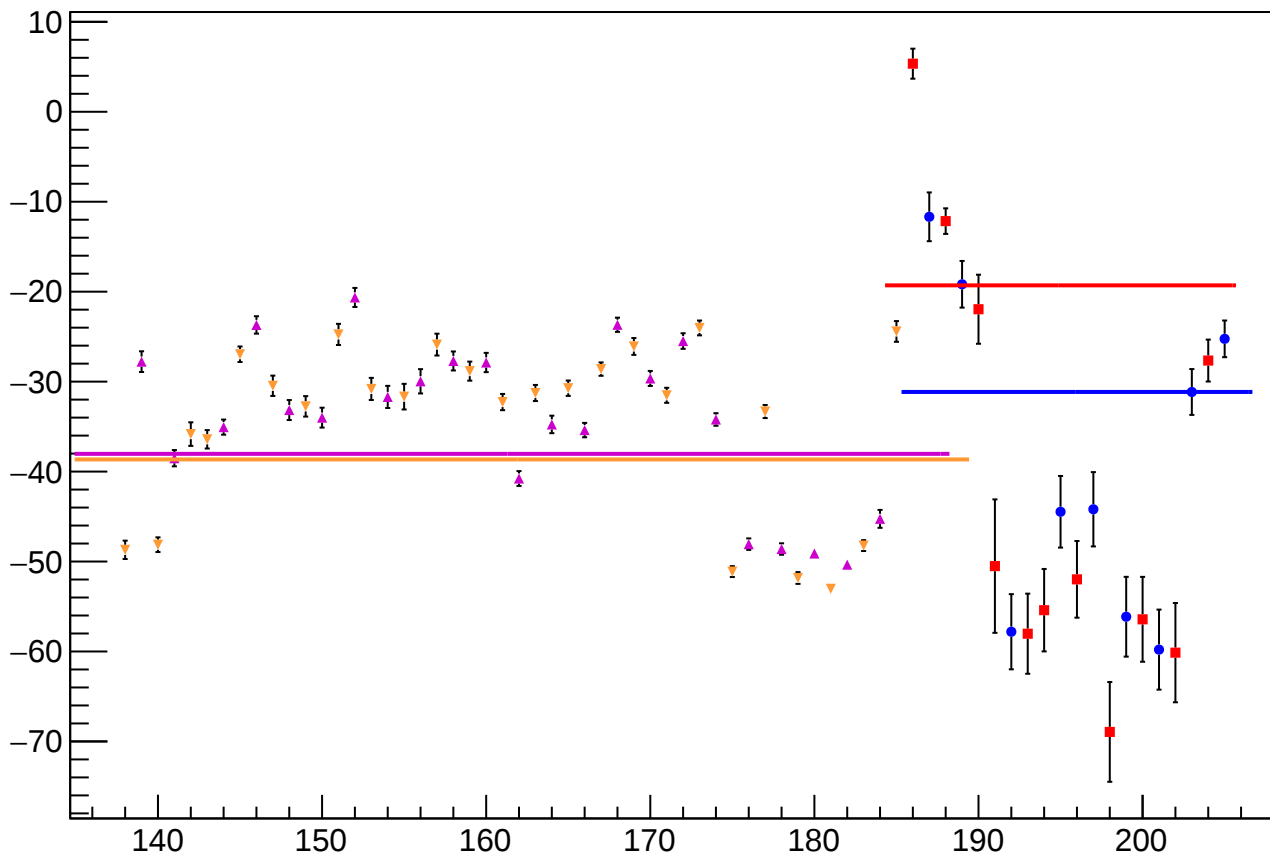
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.090 ± 0.002 χ^2/NDF : 2541.3/50

All: -0.088 ± 0.002 χ^2/NDF : 7427.4/103

- sign -0.086 ± 0.002 χ^2/NDF : 4884.1/52

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -31.146 ± 1.021 χ^2/NDF : 216.3/8

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -19.298 ± 0.849 χ^2/NDF : 667.7/10

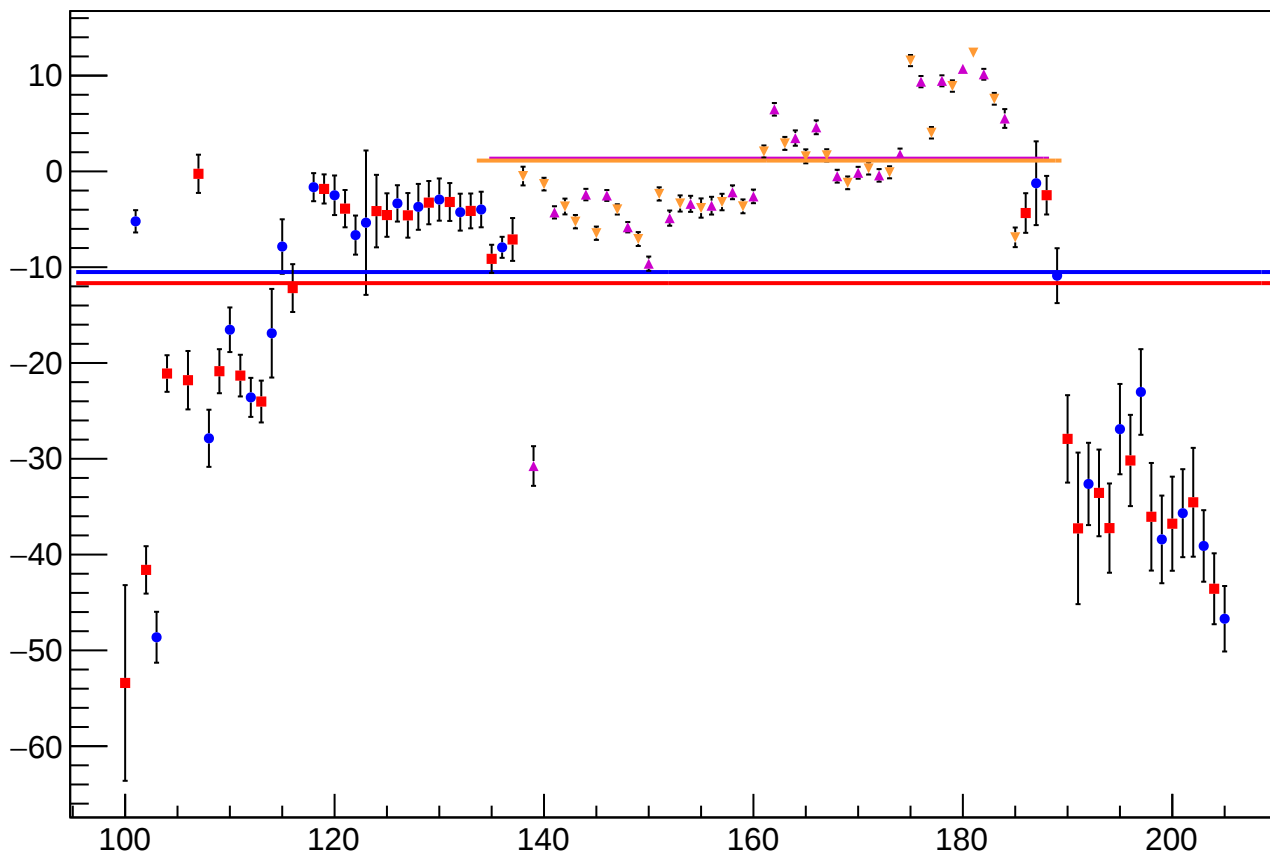
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.449 ± 0.167 χ^2/NDF : 4346.1/33

All: -37.874 ± 0.119 χ^2/NDF : 8597.2/67

- sign -37.279 ± 0.170 χ^2/NDF : 4226.9/33

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.507 ± 0.440 χ^2/NDF : 718.4/25

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -11.664 ± 0.447 χ^2/NDF : 696.8/29

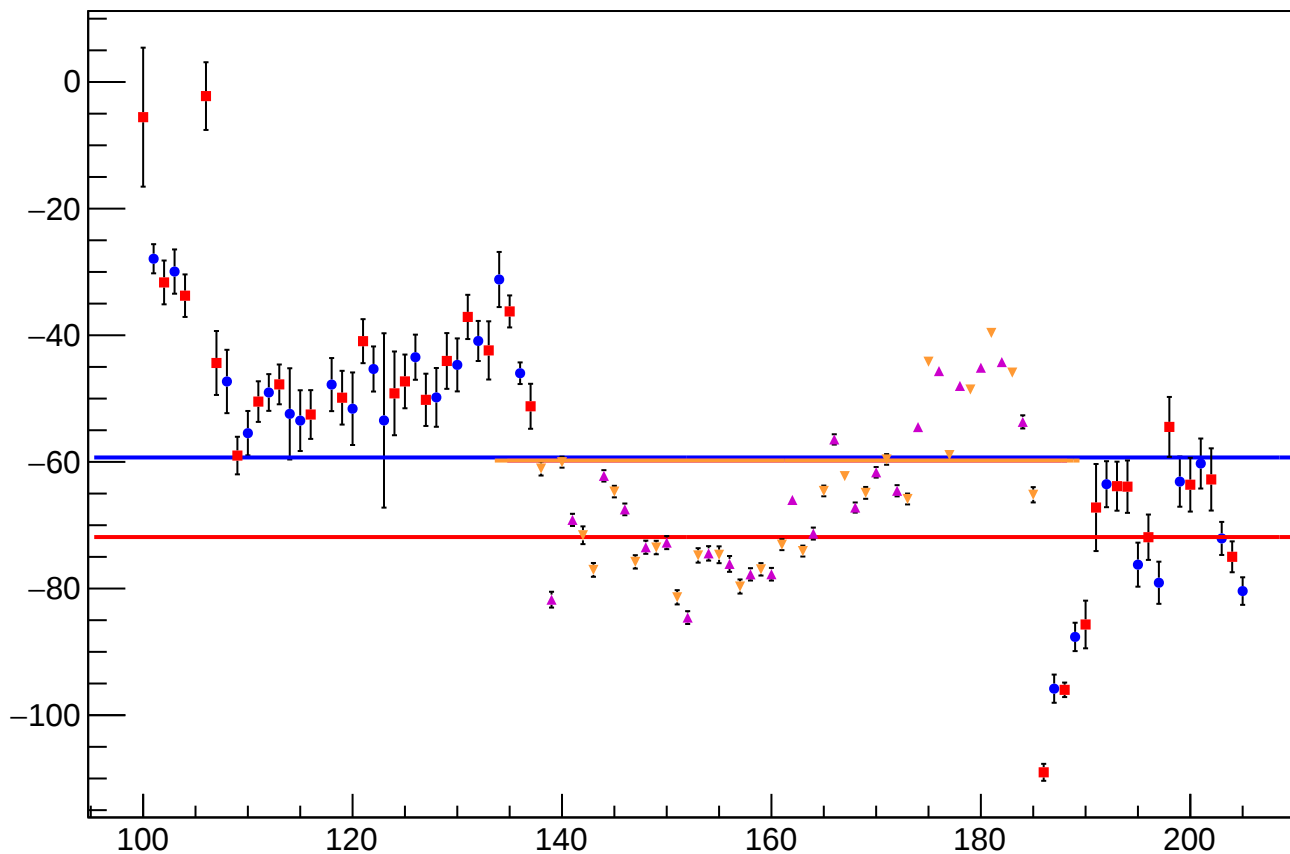
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.115 ± 0.130 χ^2/NDF : 3156.7/50

All: 0.143 ± 0.093 χ^2/NDF : 6670.1/103

- sign 0.173 ± 0.133 χ^2/NDF : 3513.4/52

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -59.299 ± 0.625 $\chi^2/\text{NDF}: 1083.7/25$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -71.869 ± 0.555 $\chi^2/\text{NDF}: 2497.3/29$

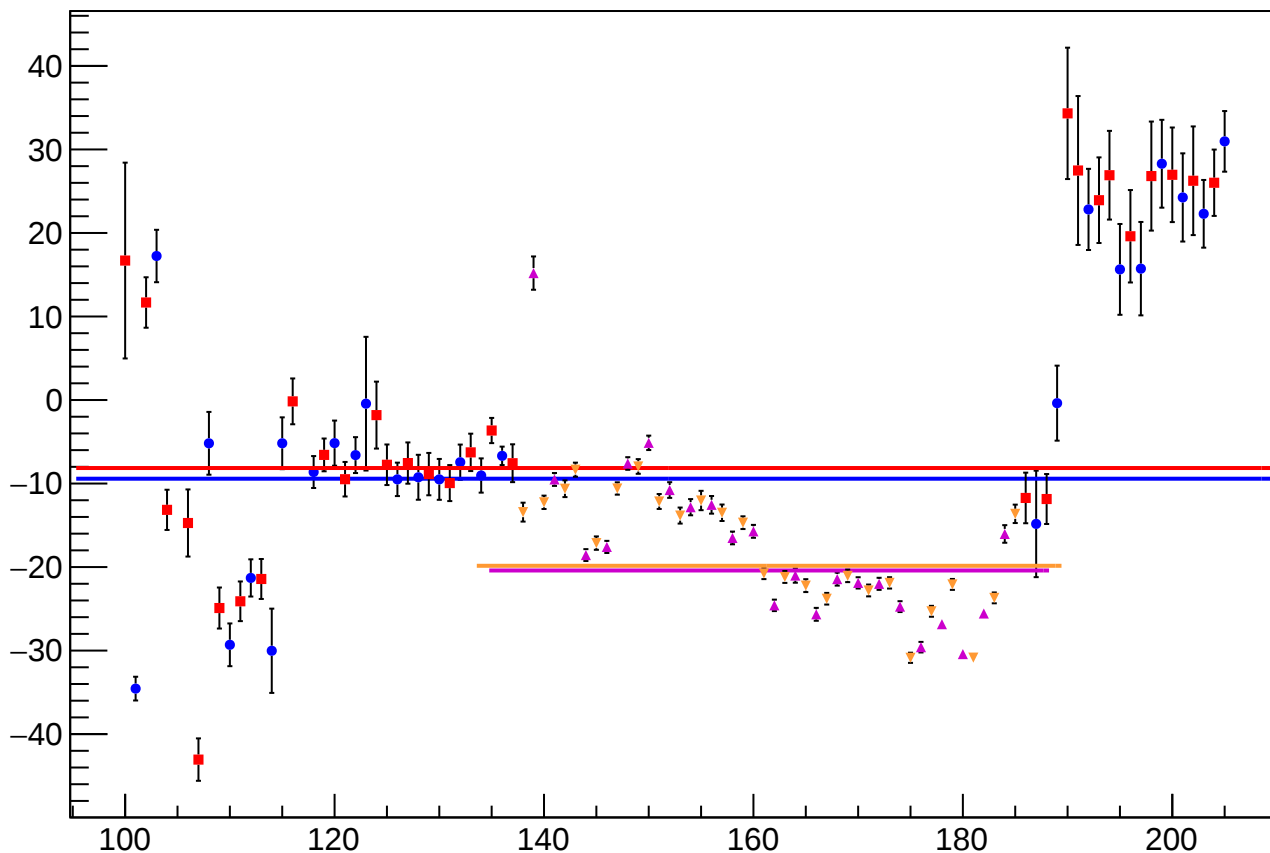
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -59.755 ± 0.164 $\chi^2/\text{NDF}: 6922.0/50$

All: -60.311 ± 0.117 $\chi^2/\text{NDF}: 15091.2/103$

- sign -60.875 ± 0.165 $\chi^2/\text{NDF}: 8146.1/52$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -9.422 ± 0.498 χ^2/NDF : 873.5/25

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -8.142 ± 0.517 χ^2/NDF : 713.6/29

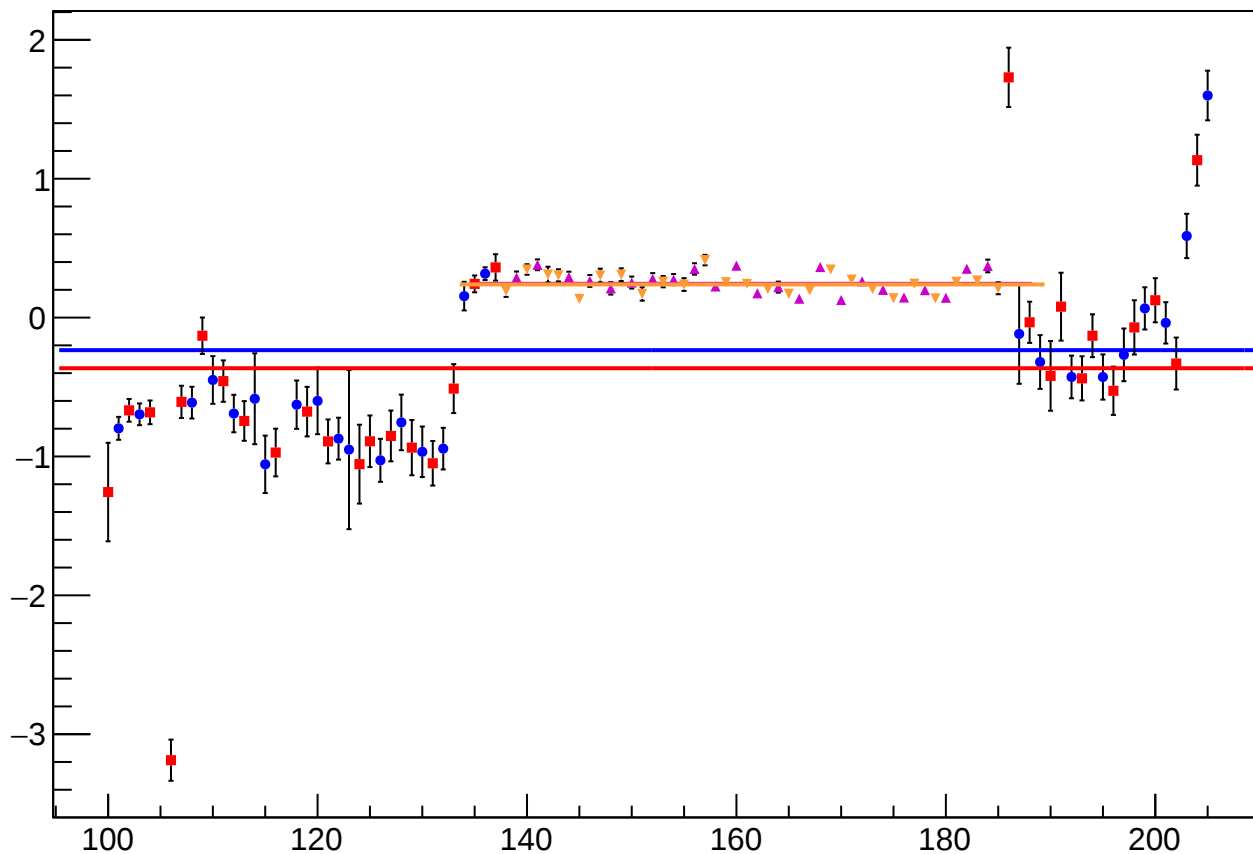
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -18.950 ± 0.146 χ^2/NDF : 3205.8/50

All: -19.158 ± 0.105 χ^2/NDF : 6742.0/103

- sign -19.377 ± 0.150 χ^2/NDF : 3532.1/52

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.235 ± 0.025 χ^2/NDF : 519.2/25

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.365 ± 0.025 χ^2/NDF : 830.4/29

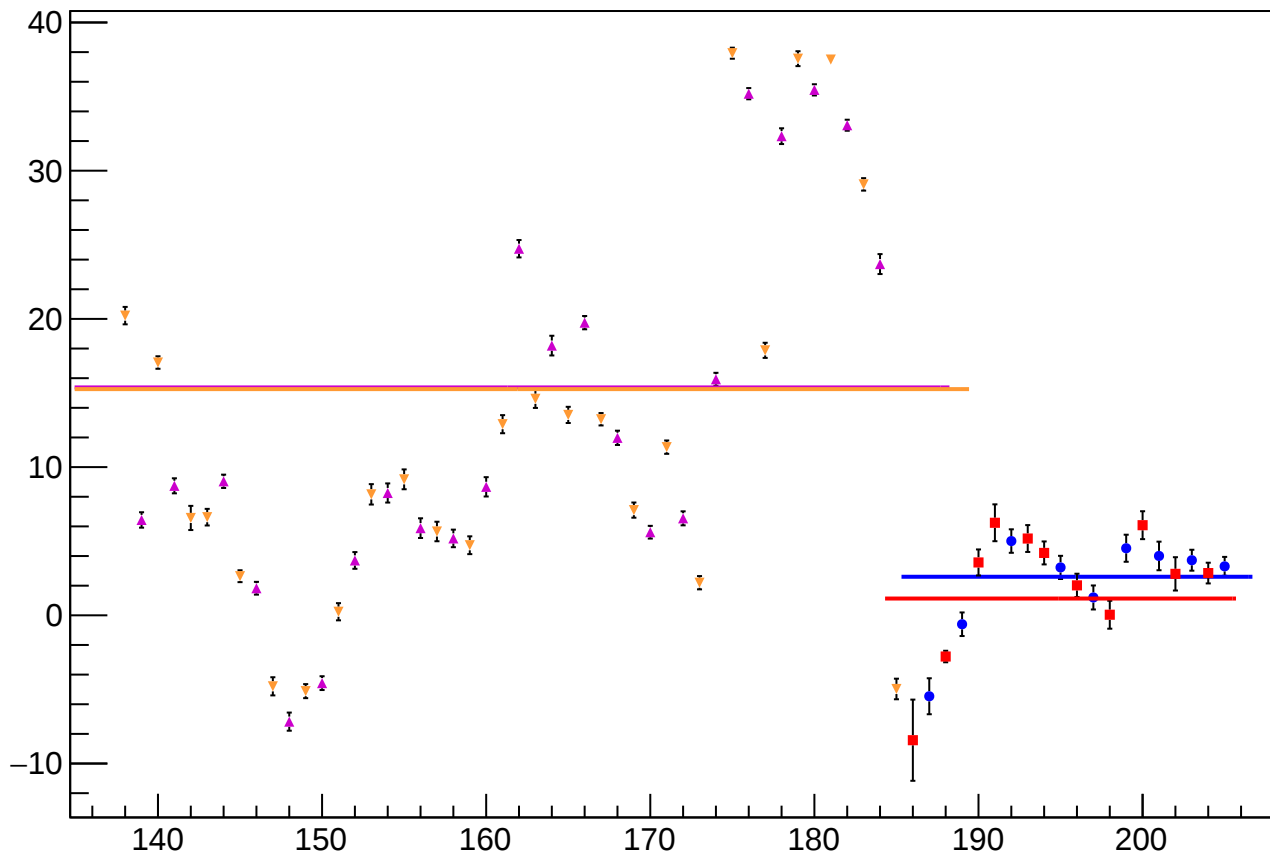
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.204 ± 0.007 χ^2/NDF : 947.4/50

All: 0.201 ± 0.005 χ^2/NDF : 2450.0/103

- sign 0.198 ± 0.007 χ^2/NDF : 1502.3/52

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.602 ± 0.270 χ^2/NDF : 83.5/8

Left Out: 15.263 ± 0.100 χ^2/NDF : 19175.2/24

Right Out: 1.133 ± 0.234 χ^2/NDF : 212.2/10

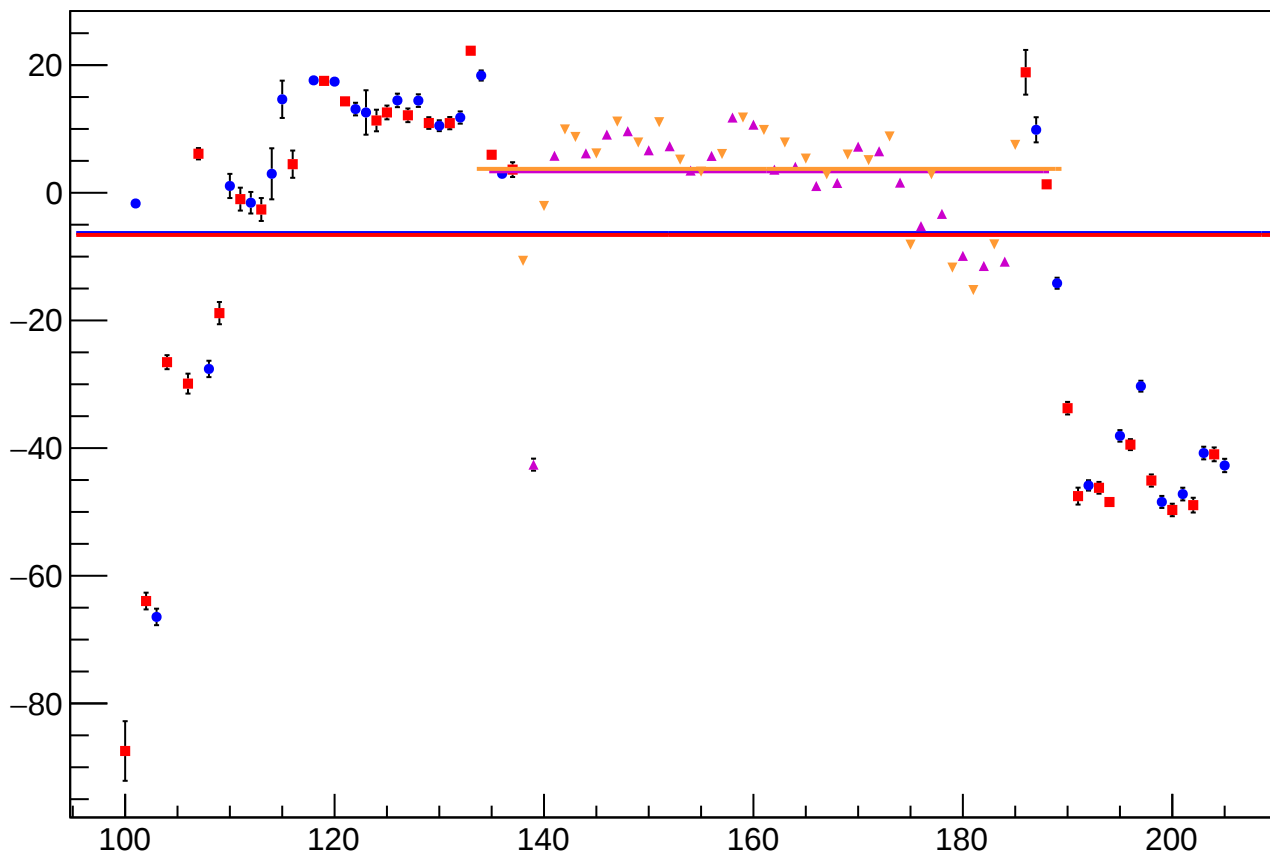
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 13.717 ± 0.094 χ^2/NDF : 21196.0/33

All: 13.394 ± 0.067 χ^2/NDF : 40809.8/67

- sign 13.072 ± 0.094 χ^2/NDF : 19590.3/33

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -6.311 ± 0.180 χ^2/NDF : 20080.6/25

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -6.601 ± 0.170 χ^2/NDF : 25731.2/29

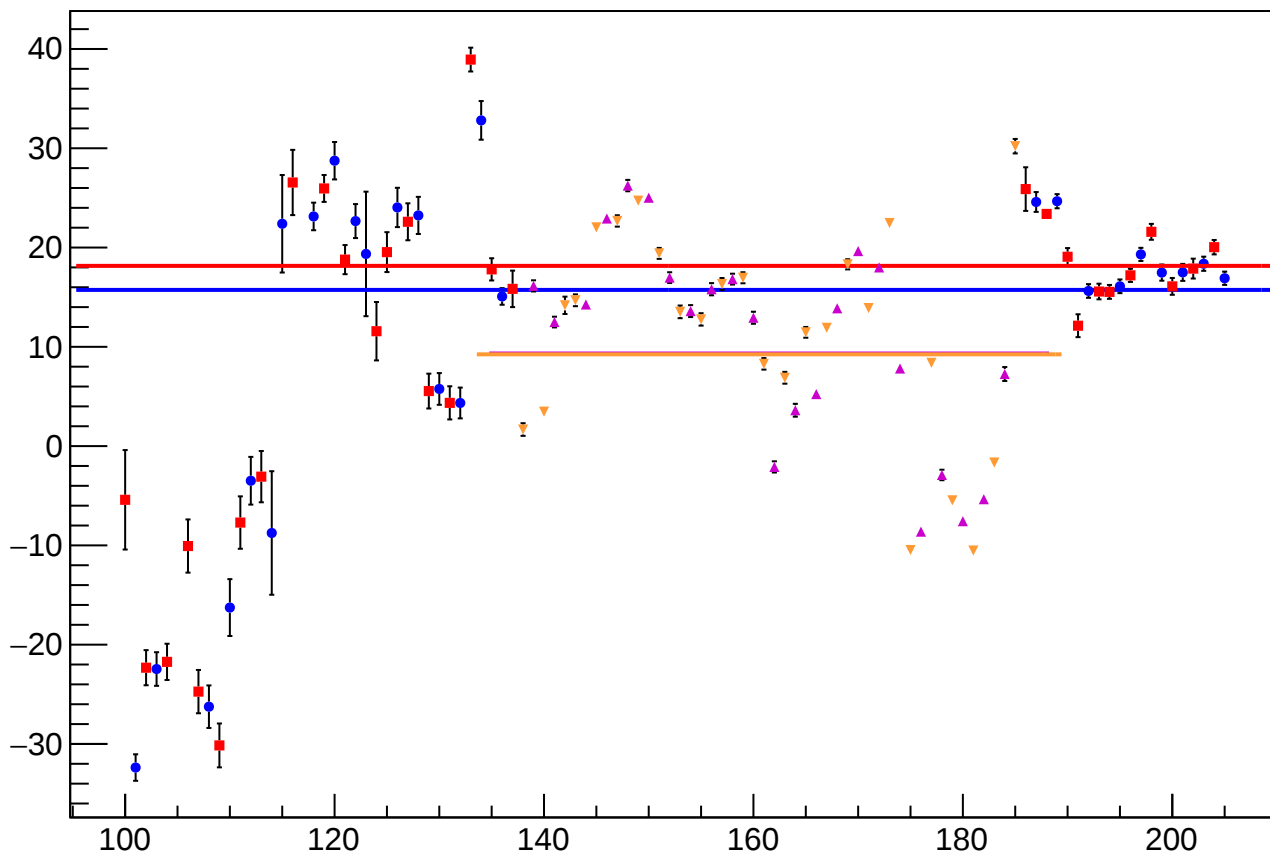
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 2.135 ± 0.072 χ^2/NDF : 31939.5/50

All: 1.830 ± 0.051 χ^2/NDF : 69029.5/103

- sign 1.514 ± 0.073 χ^2/NDF : 37053.5/52

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.734 $\pm$ 0.212 χ^2 /NDF: 2985.1/25

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 18.155 $\pm$ 0.183 χ^2 /NDF: 3009.2/29

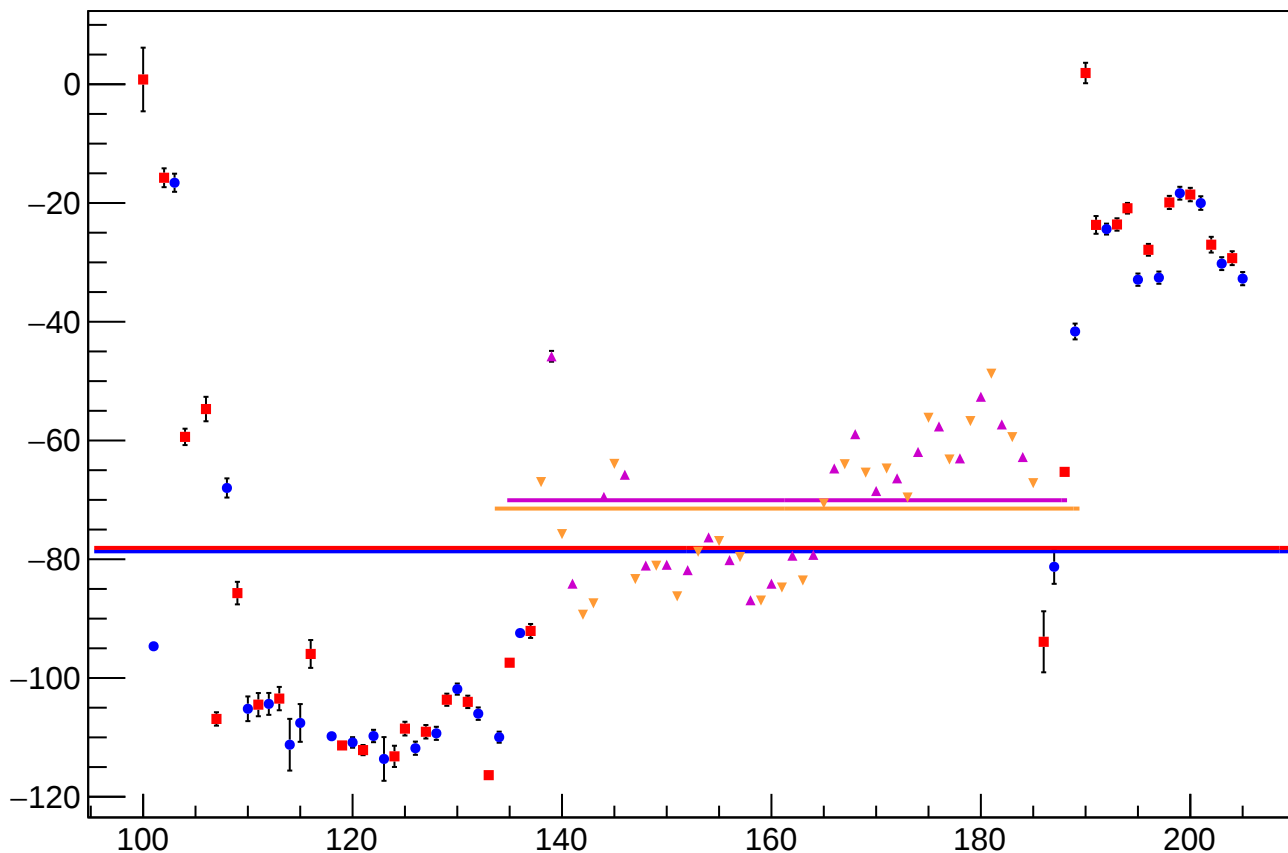
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.439 $\pm$ 0.091 χ^2 /NDF: 17381.3/50

All: 10.946 $\pm$ 0.064 χ^2 /NDF: 34187.8/103

- sign 11.435 $\pm$ 0.089 χ^2 /NDF: 16745.7/52

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -78.666 ± 0.209 χ^2/NDF : 29629.0/25

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -78.086 ± 0.201 χ^2/NDF : 37657.5/29

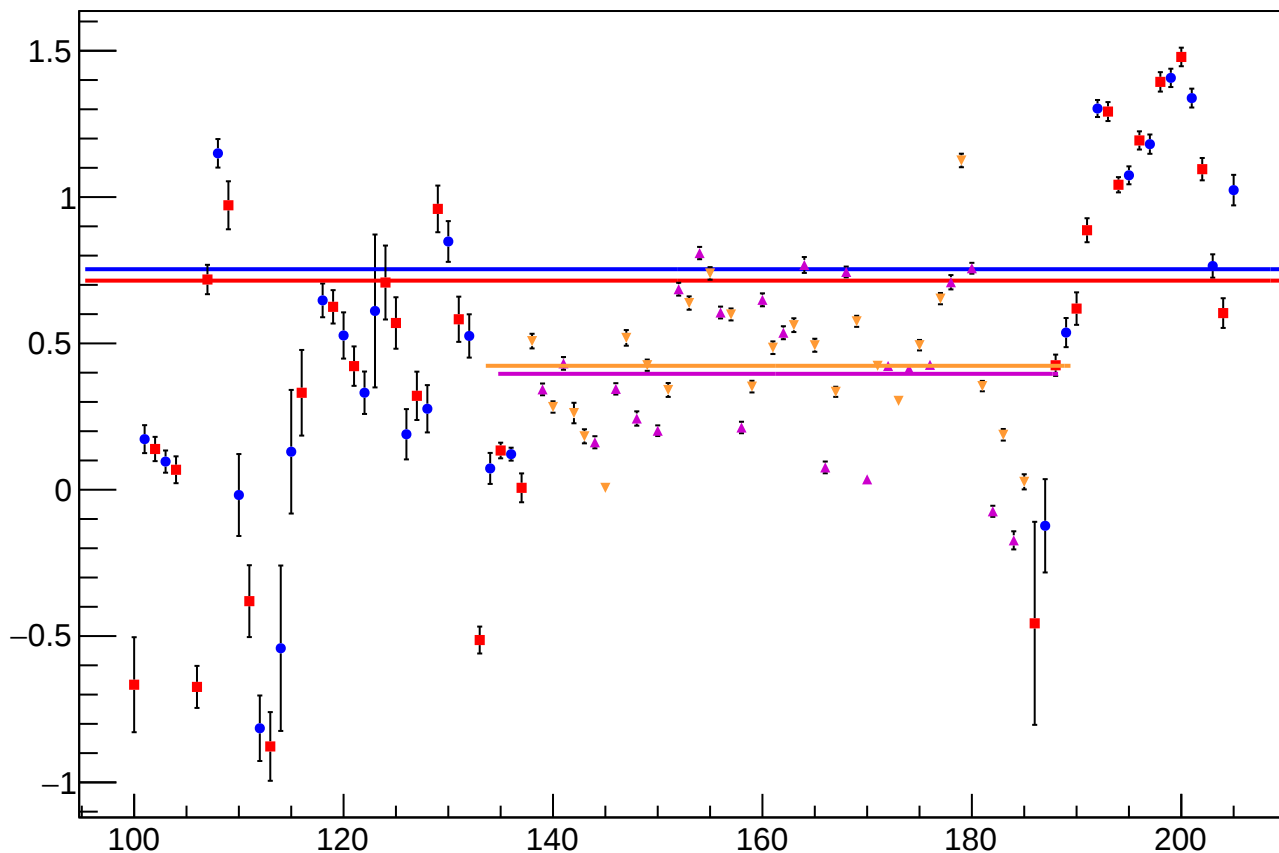
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -72.576 ± 0.082 χ^2/NDF : 47042.3/50

All: -72.020 ± 0.059 χ^2/NDF : 99172.8/103

- sign -71.446 ± 0.083 χ^2/NDF : 52037.2/52

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.754 $\pm$ 0.009 χ^2 /NDF: 3362.9/25

Left Out: 0.424 $\pm$ 0.004 χ^2 /NDF:2885.0/24

Right Out: 0.715 $\pm$ 0.009 χ^2 /NDF: 4478.6/29

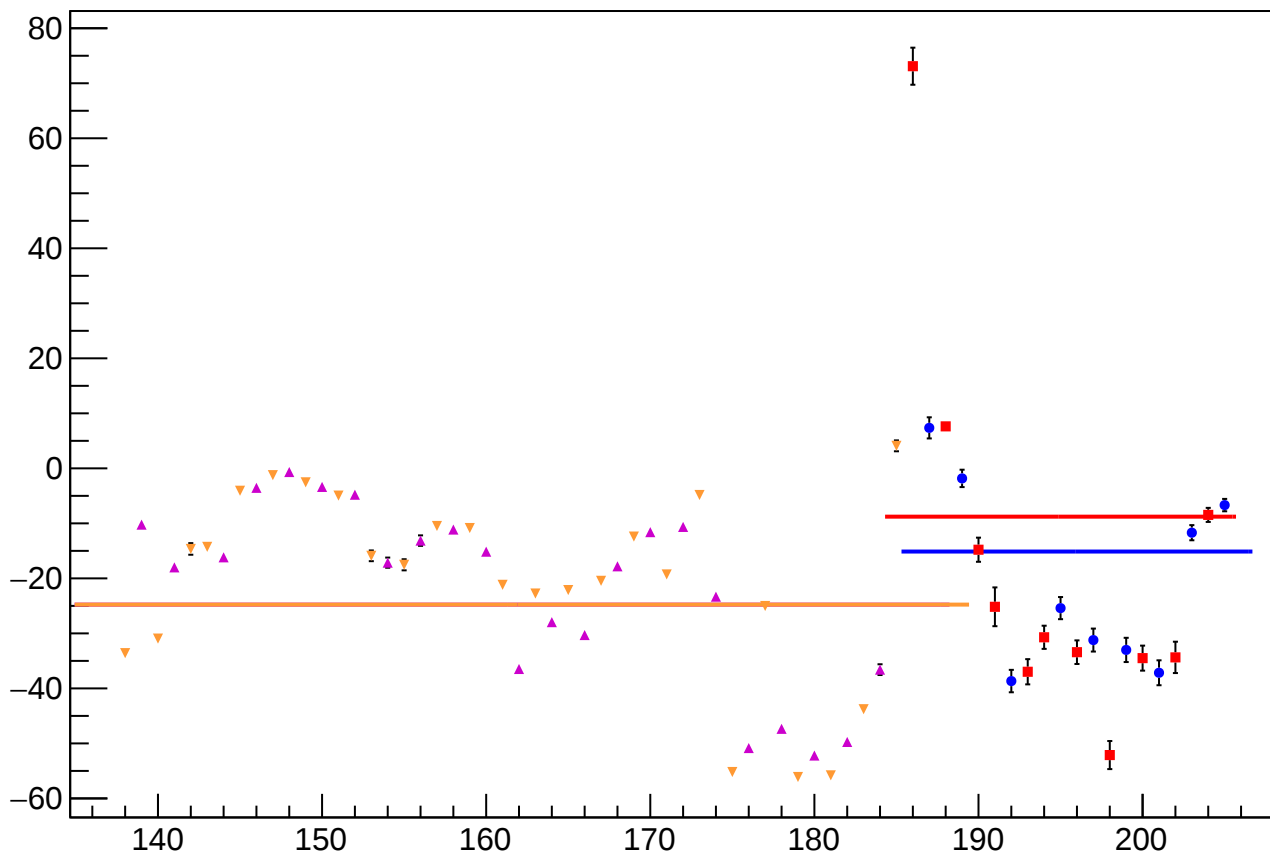
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF:4051.5/22

+ sign 0.479 $\pm$ 0.004 χ^2 /NDF: 7339.9/50

All: 0.468 $\pm$ 0.003 χ^2 /NDF: 17003.7/103

- sign 0.457 $\pm$ 0.004 χ^2 /NDF: 9646.3/52

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -15.123 ± 0.568 χ^2/NDF : 649.8/8

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: -8.781 ± 0.523 χ^2/NDF : 1928.7/10

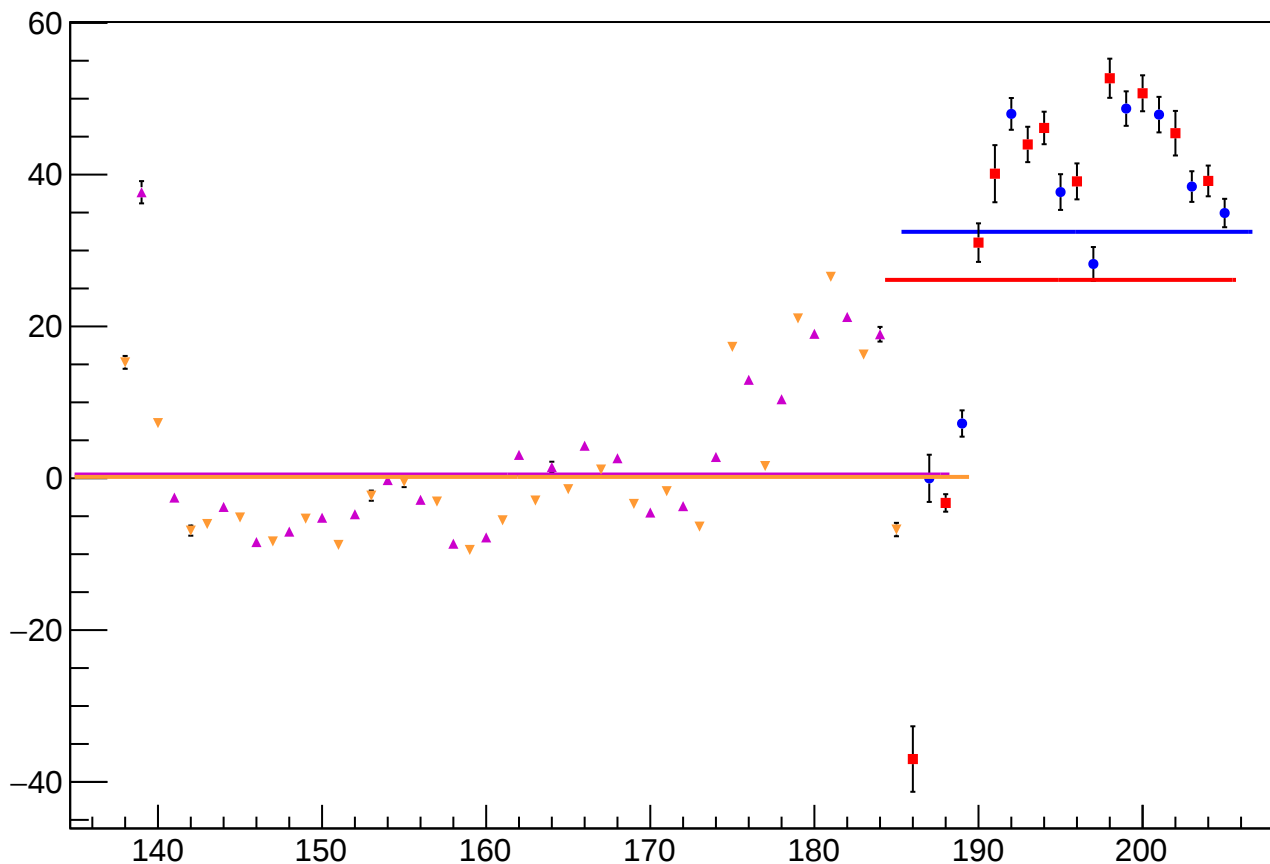
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -24.220 ± 0.135 χ^2/NDF : 19241.1/33

All: -23.948 ± 0.097 χ^2/NDF : 36854.6/67

- sign -23.667 ± 0.138 χ^2/NDF : 17605.3/33

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 32.463 $\pm$ 0.715 χ^2 /NDF: 490.1/8

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF:8295.6/24

Right Out: 26.132 $\pm$ 0.659 χ^2 /NDF: 1356.0/10

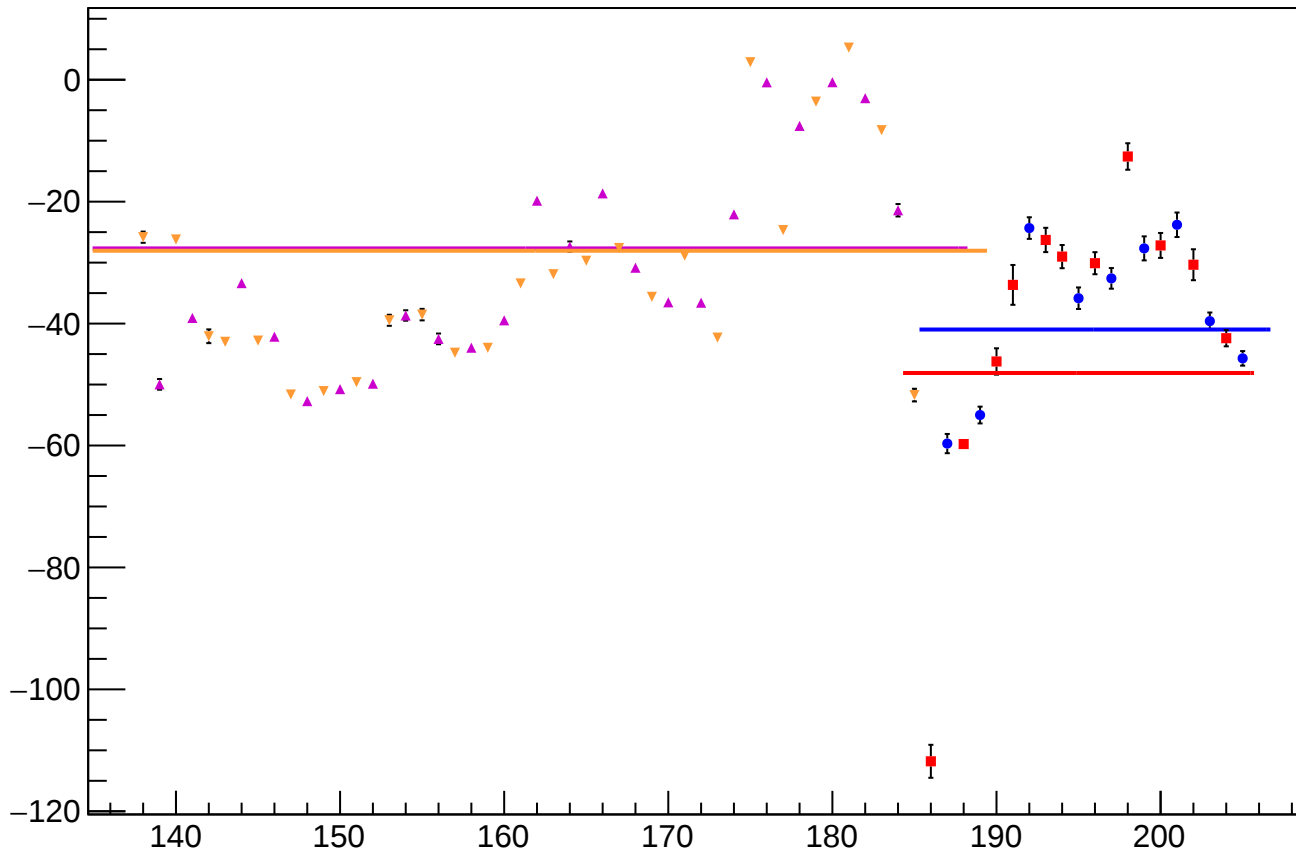
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF:6555.4/22

+ sign 0.903 $\pm$ 0.107 χ^2 /NDF: 10776.1/33

All: 1.054 $\pm$ 0.077 χ^2 /NDF: 20161.7/67

- sign 1.214 $\pm$ 0.111 χ^2 /NDF: 9381.6/33

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -40.973 ± 0.525 $\chi^2/\text{NDF}: 500.9/8$

Left Out: -28.050 ± 0.140 $\chi^2/\text{NDF}: 17144.5/24$

Right Out: -48.104 ± 0.455 $\chi^2/\text{NDF}: 1657.4/10$

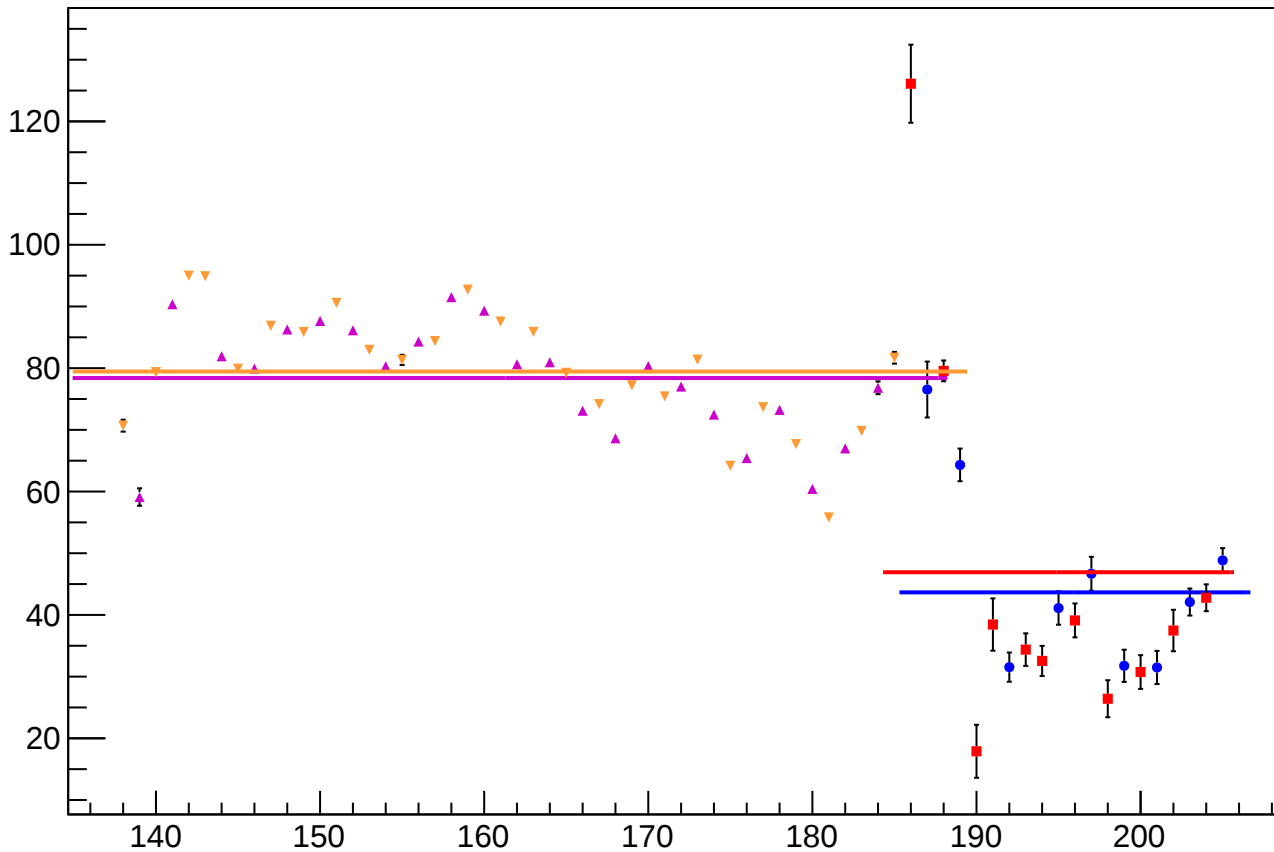
Left In: -27.666 ± 0.142 $\chi^2/\text{NDF}: 15003.2/22$

+ sign -28.906 ± 0.135 $\chi^2/\text{NDF}: 18210.9/33$

All: -29.196 ± 0.096 $\chi^2/\text{NDF}: 36717.5/67$

- sign -29.490 ± 0.136 $\chi^2/\text{NDF}: 18497.4/33$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 43.655 ± 0.850 $\chi^2/\text{NDF}: 190.4/8$

Left Out: 79.456 ± 0.123 $\chi^2/\text{NDF}: 6077.1/24$

Right Out: 46.921 ± 0.823 $\chi^2/\text{NDF}: 739.6/10$

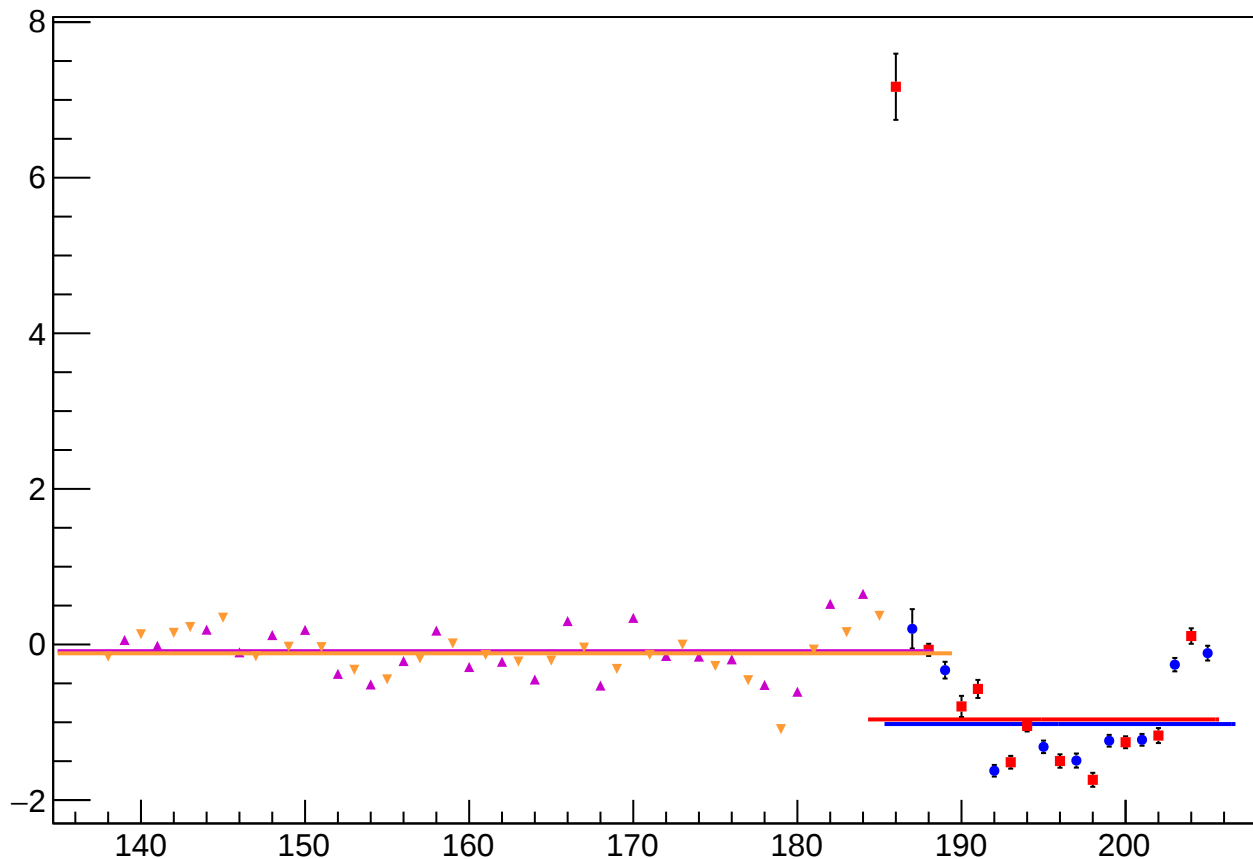
Left In: 78.396 ± 0.127 $\chi^2/\text{NDF}: 4707.3/22$

+ sign 78.719 ± 0.122 $\chi^2/\text{NDF}: 8006.4/33$

All: 78.207 ± 0.087 $\chi^2/\text{NDF}: 14918.1/67$

- sign 77.667 ± 0.125 $\chi^2/\text{NDF}: 6875.5/33$

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.023 ± 0.029 χ^2/NDF : 354.1/8

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.964 ± 0.028 χ^2/NDF : 805.0/10

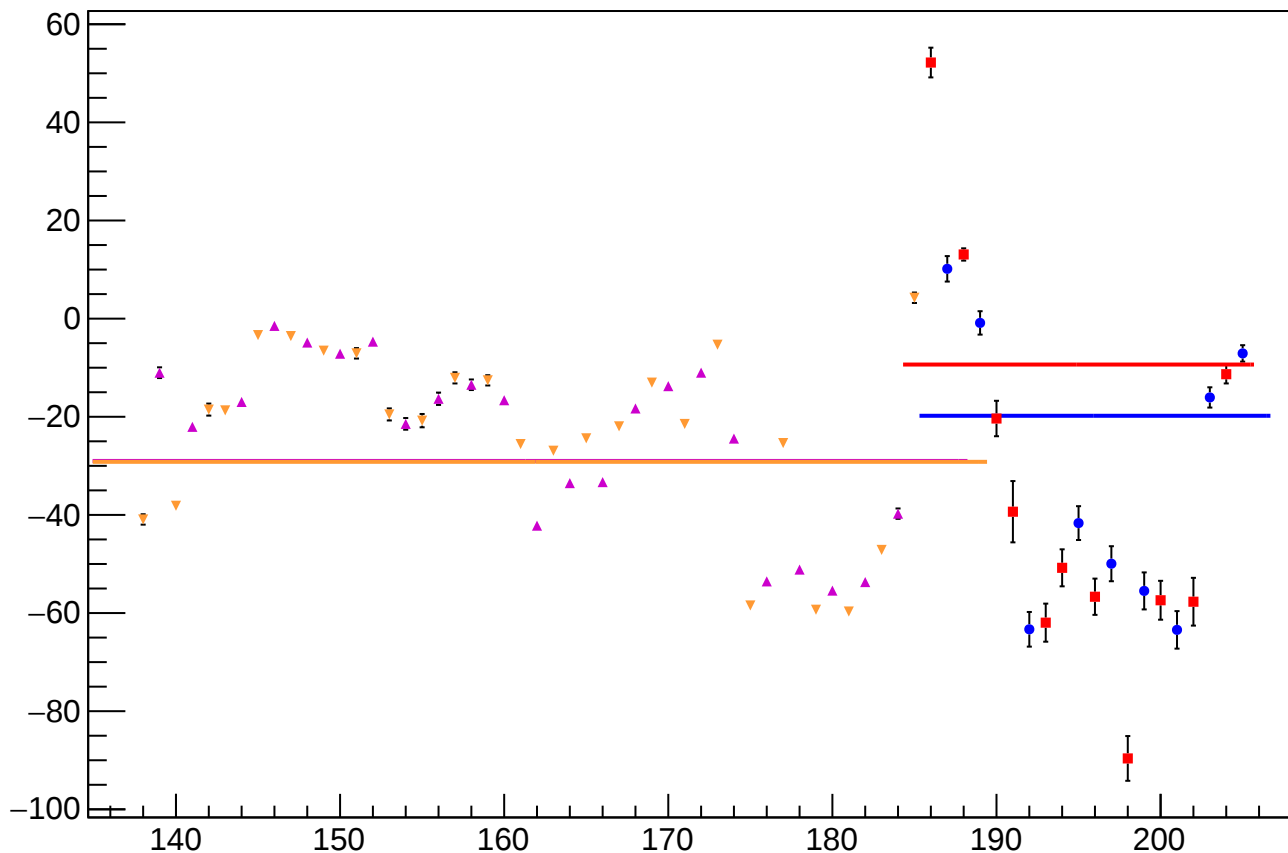
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.146 ± 0.006 χ^2/NDF : 3574.3/33

All: -0.134 ± 0.004 χ^2/NDF : 8467.3/67

- sign -0.122 ± 0.006 χ^2/NDF : 4884.3/33

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -19.796 ± 0.878 $\chi^2/\text{NDF}: 740.0/8$

Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$

Right Out: -9.355 ± 0.818 $\chi^2/\text{NDF}: 1791.3/10$

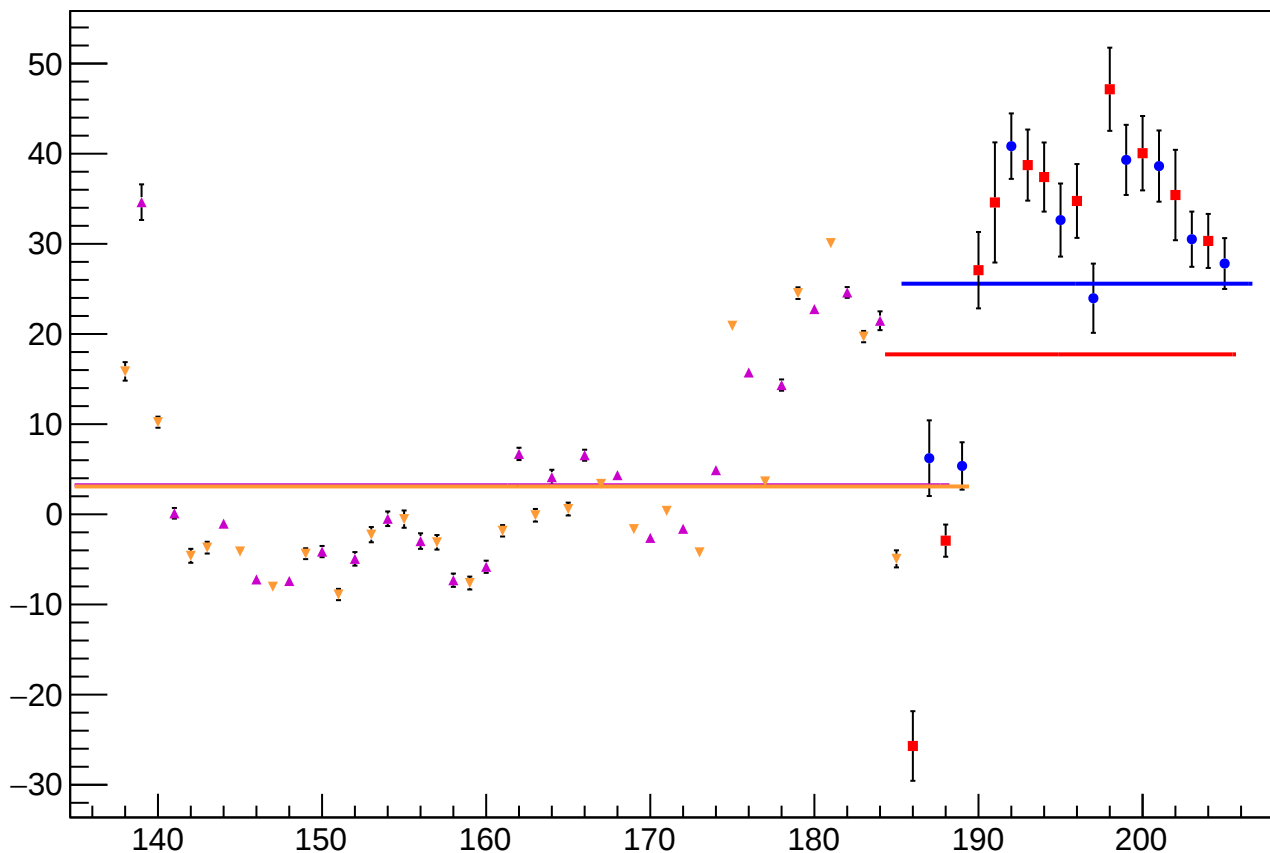
Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -28.890 ± 0.154 $\chi^2/\text{NDF}: 17763.0/33$

All: -28.590 ± 0.110 $\chi^2/\text{NDF}: 33534.9/67$

- sign -28.280 ± 0.157 $\chi^2/\text{NDF}: 15764.2/33$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 25.580 ± 1.140 $\chi^2/\text{NDF}: 127.9/8$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 17.742 ± 1.049 $\chi^2/\text{NDF}: 443.8/10$

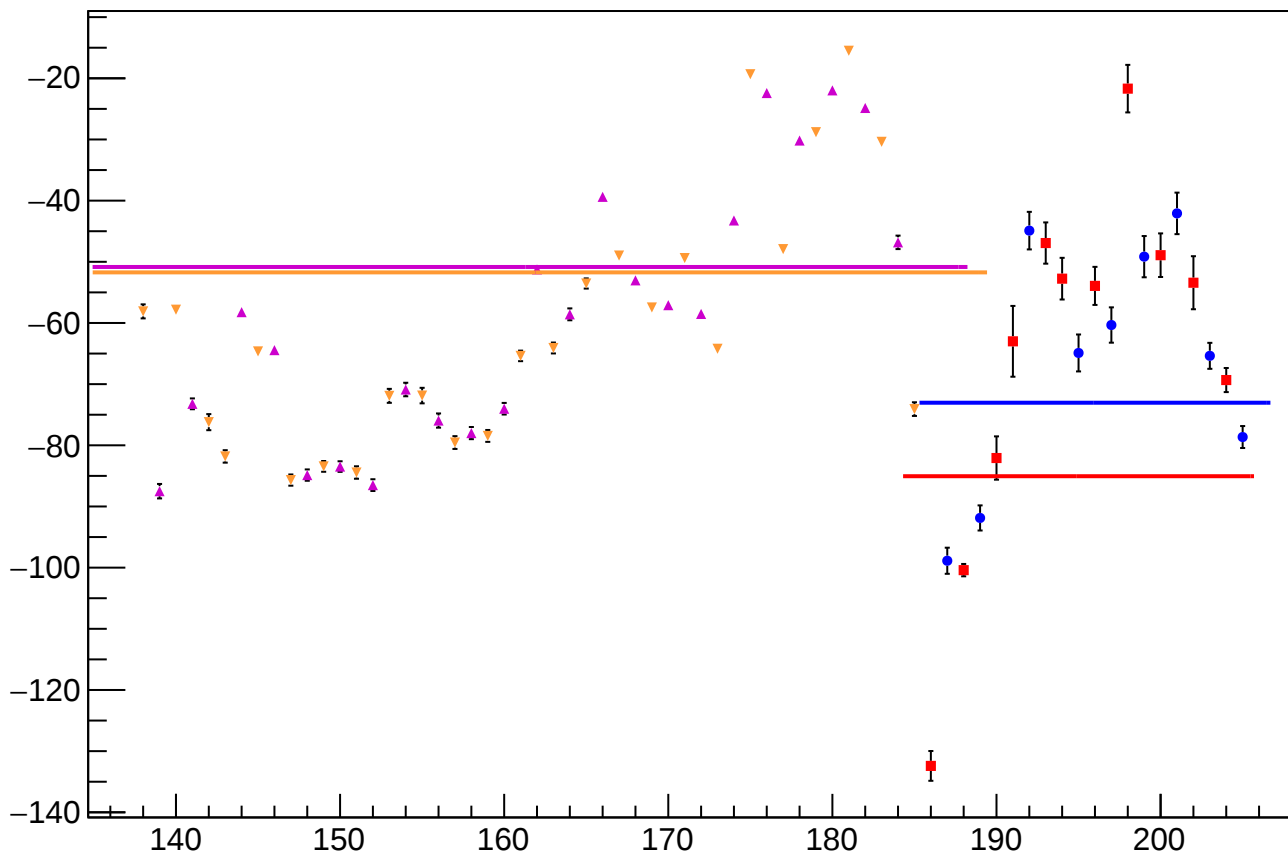
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.355 ± 0.124 $\chi^2/\text{NDF}: 8596.3/33$

All: 3.392 ± 0.088 $\chi^2/\text{NDF}: 15466.6/67$

- sign 3.431 ± 0.126 $\chi^2/\text{NDF}: 6870.1/33$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -73.037 ± 0.817 χ^2/NDF : 497.4/8

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -85.053 ± 0.709 χ^2/NDF : 1427.6/10

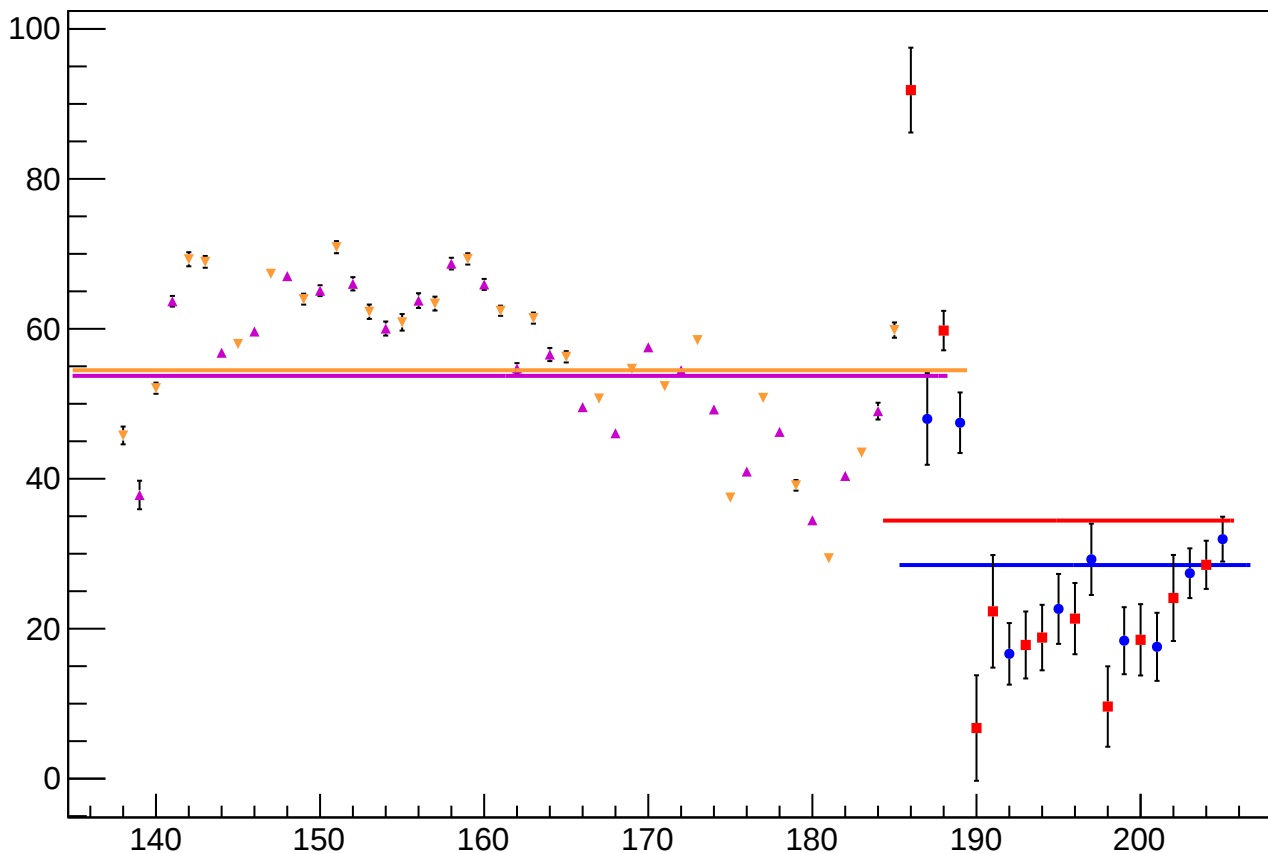
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -52.497 ± 0.155 χ^2/NDF : 20691.6/33

All: -52.501 ± 0.110 χ^2/NDF : 41607.3/67

- sign -52.505 ± 0.156 χ^2/NDF : 20915.7/33

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 28.489+/-1.363 χ^2/NDF : 54.4/8

Left Out: 54.476+/-0.140 χ^2/NDF : 6266.9/24

Right Out: 34.422+/-1.329 χ^2/NDF : 287.1/10

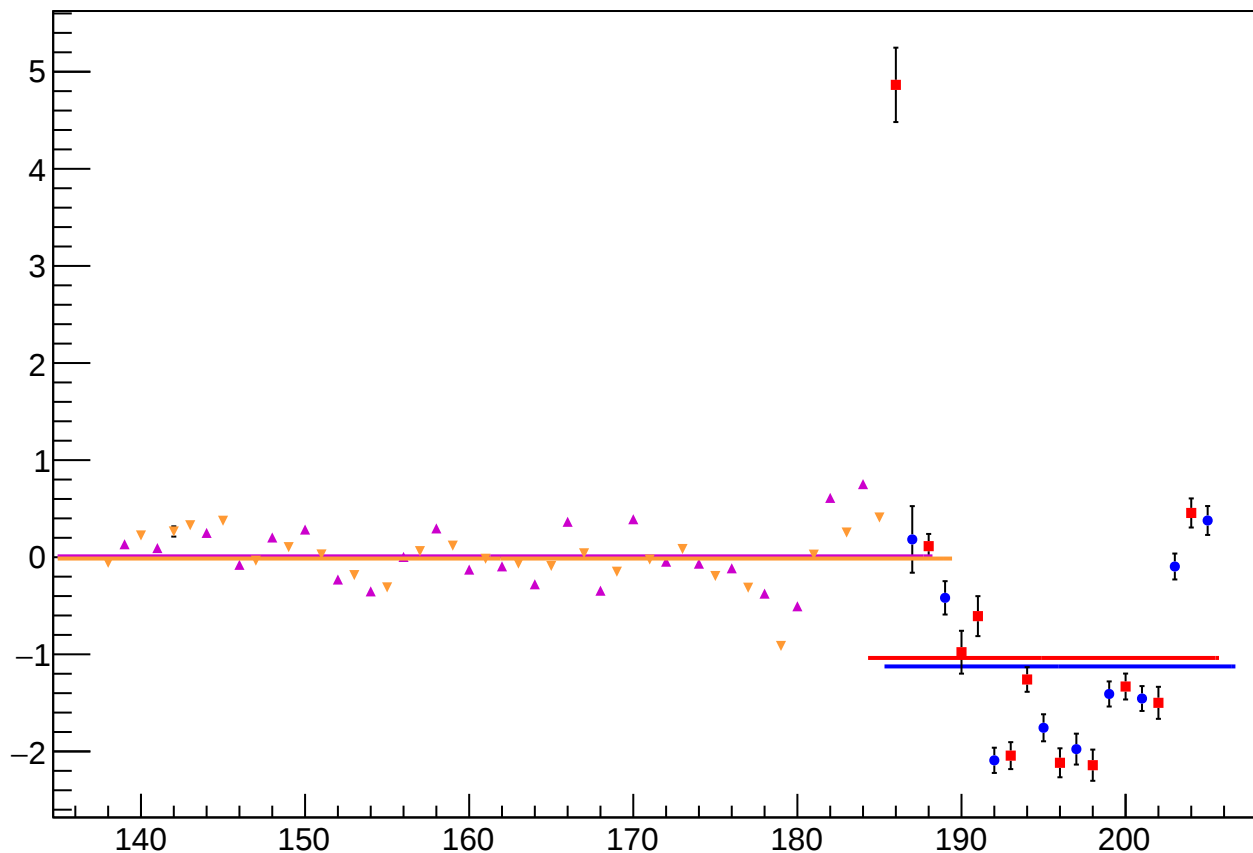
Left In: 53.724+/-0.143 χ^2/NDF : 4585.7/22

+ sign 54.204+/-0.140 χ^2/NDF : 6681.2/33

All: 53.860+/-0.100 χ^2/NDF : 11775.0/67

- sign 53.502+/-0.142 χ^2/NDF : 5081.4/33

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.125 ± 0.049 χ^2/NDF : 309.0/8

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -1.037 ± 0.047 χ^2/NDF : 593.0/10

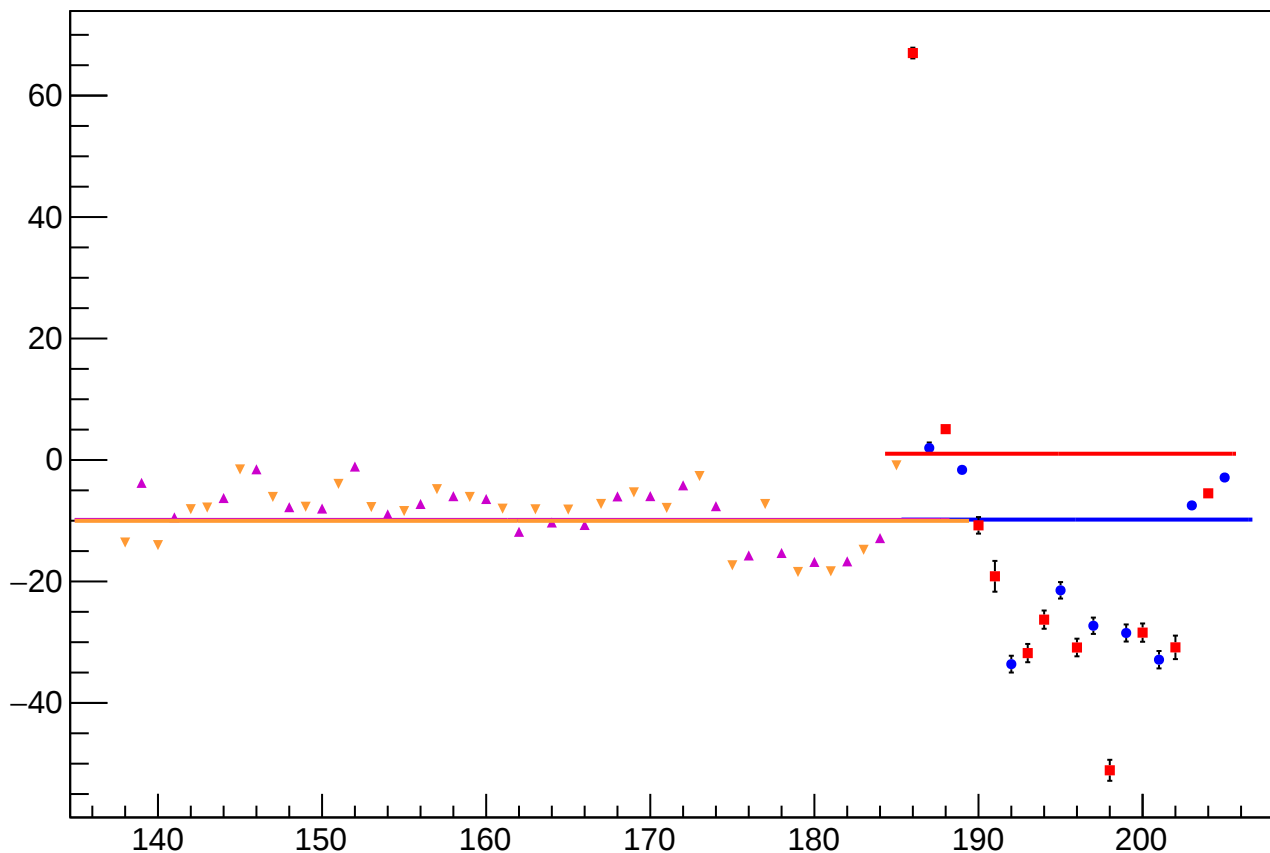
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.032 ± 0.006 χ^2/NDF : 2467.2/33

All: -0.022 ± 0.005 χ^2/NDF : 5769.1/67

- sign -0.011 ± 0.006 χ^2/NDF : 3296.3/33

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -9.814 ± 0.320 χ^2/NDF : 1380.8/8

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 1.031 ± 0.293 χ^2/NDF : 8726.9/10

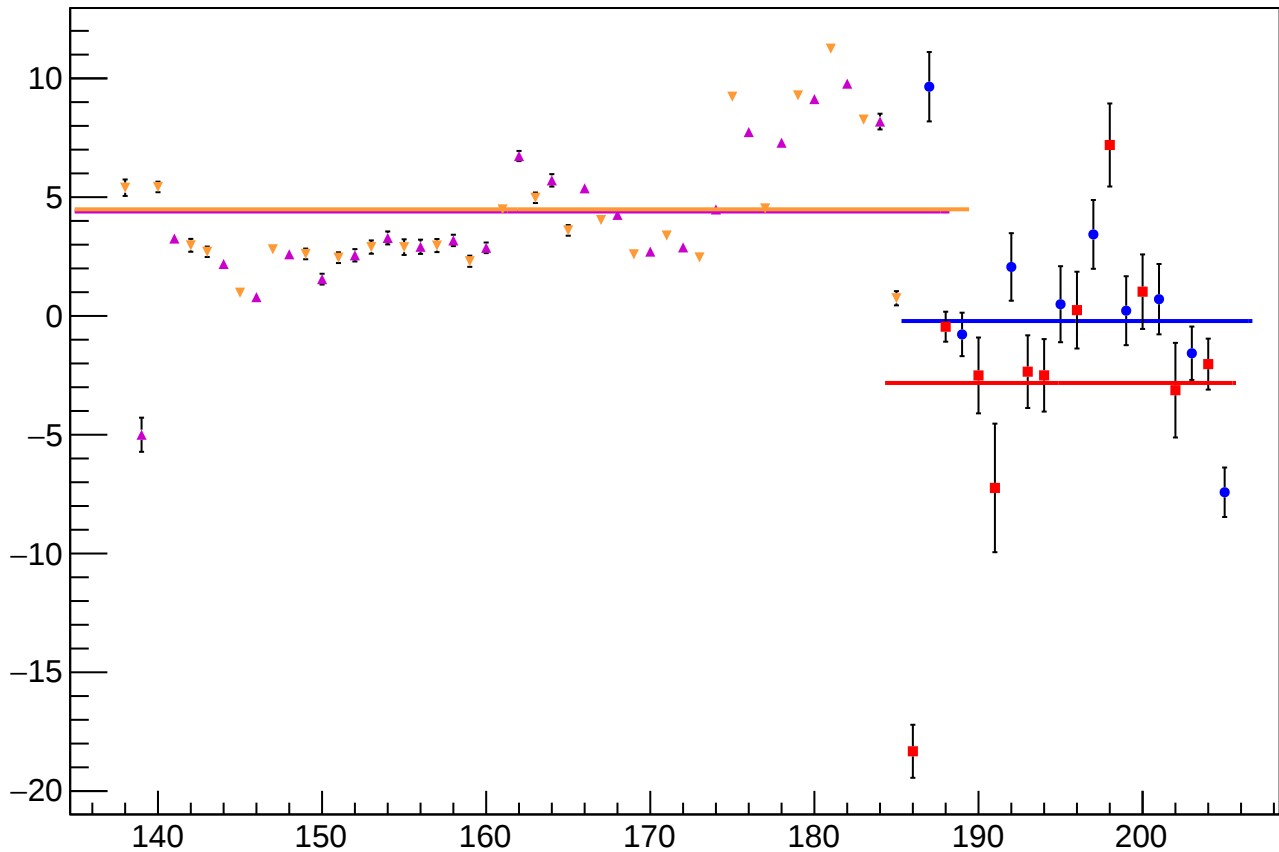
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -10.012 ± 0.050 χ^2/NDF : 13934.0/33

All: -9.779 ± 0.036 χ^2/NDF : 33389.7/67

- sign -9.541 ± 0.051 χ^2/NDF : 19411.9/33

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -0.214 ± 0.420 χ^2/NDF : 105.0/8

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -2.821 ± 0.380 χ^2/NDF : 252.9/10

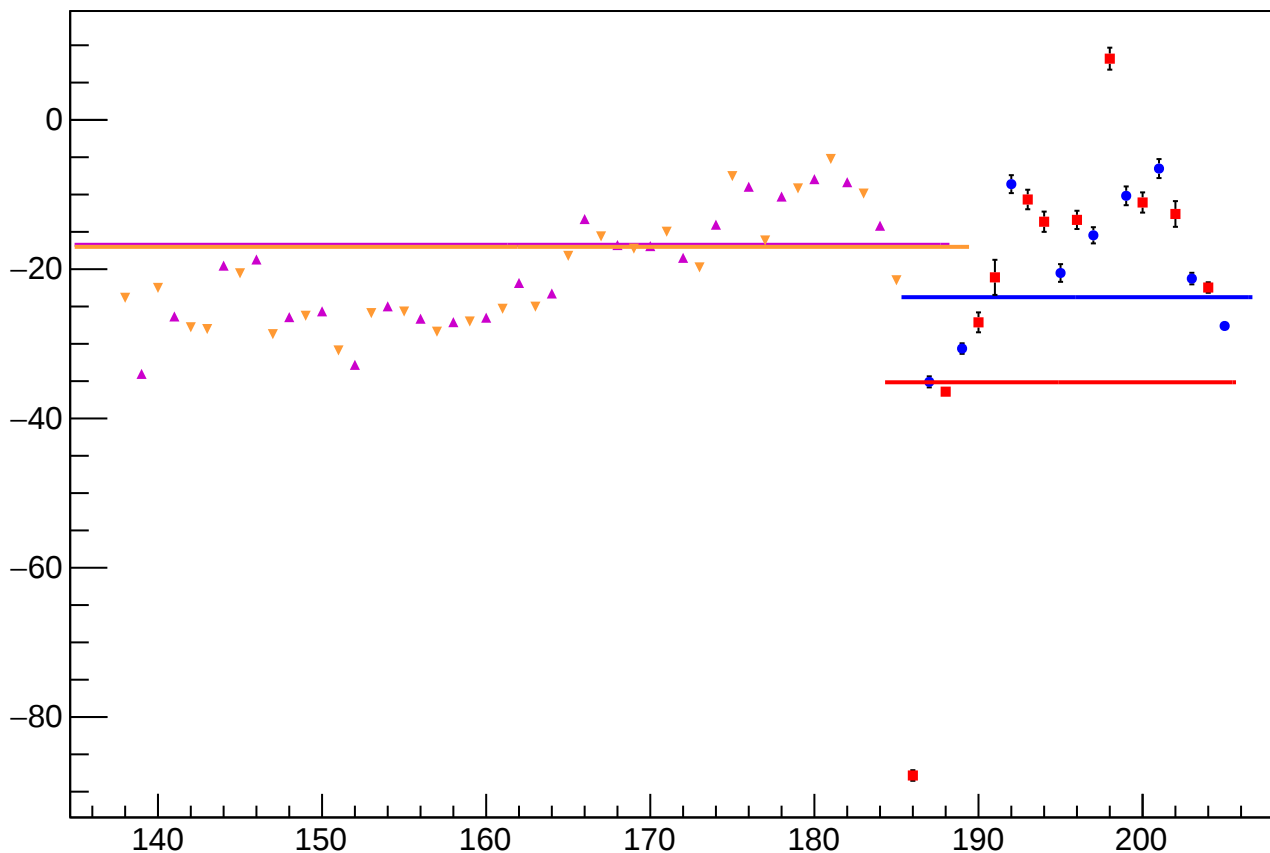
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.445 ± 0.040 χ^2/NDF : 5061.6/33

All: 4.379 ± 0.029 χ^2/NDF : 9907.5/67

- sign 4.312 ± 0.041 χ^2/NDF : 4840.6/33

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -23.751 ± 0.298 $\chi^2/\text{NDF}: 897.9/8$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -35.152 ± 0.253 $\chi^2/\text{NDF}: 8173.6/10$

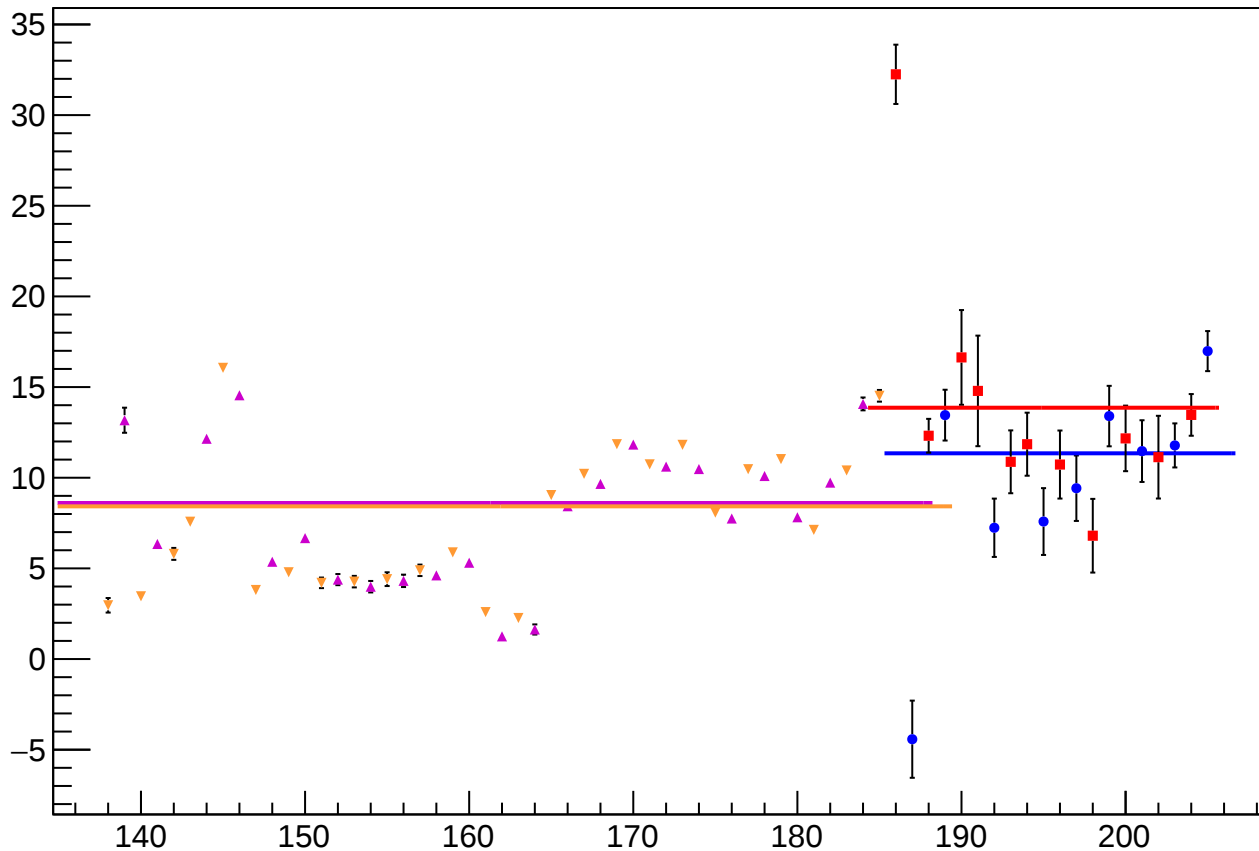
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.201 ± 0.050 $\chi^2/\text{NDF}: 23490.5/33$

All: -17.333 ± 0.036 $\chi^2/\text{NDF}: 55543.6/67$

- sign -17.465 ± 0.051 $\chi^2/\text{NDF}: 32039.3/33$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 11.347 $\pm$ 0.505 χ^2 /NDF: 96.7/8

Left Out: 8.422 $\pm$ 0.046 χ^2 /NDF: 6470.1/24

Right Out: 13.861 $\pm$ 0.486 χ^2 /NDF: 152.0/10

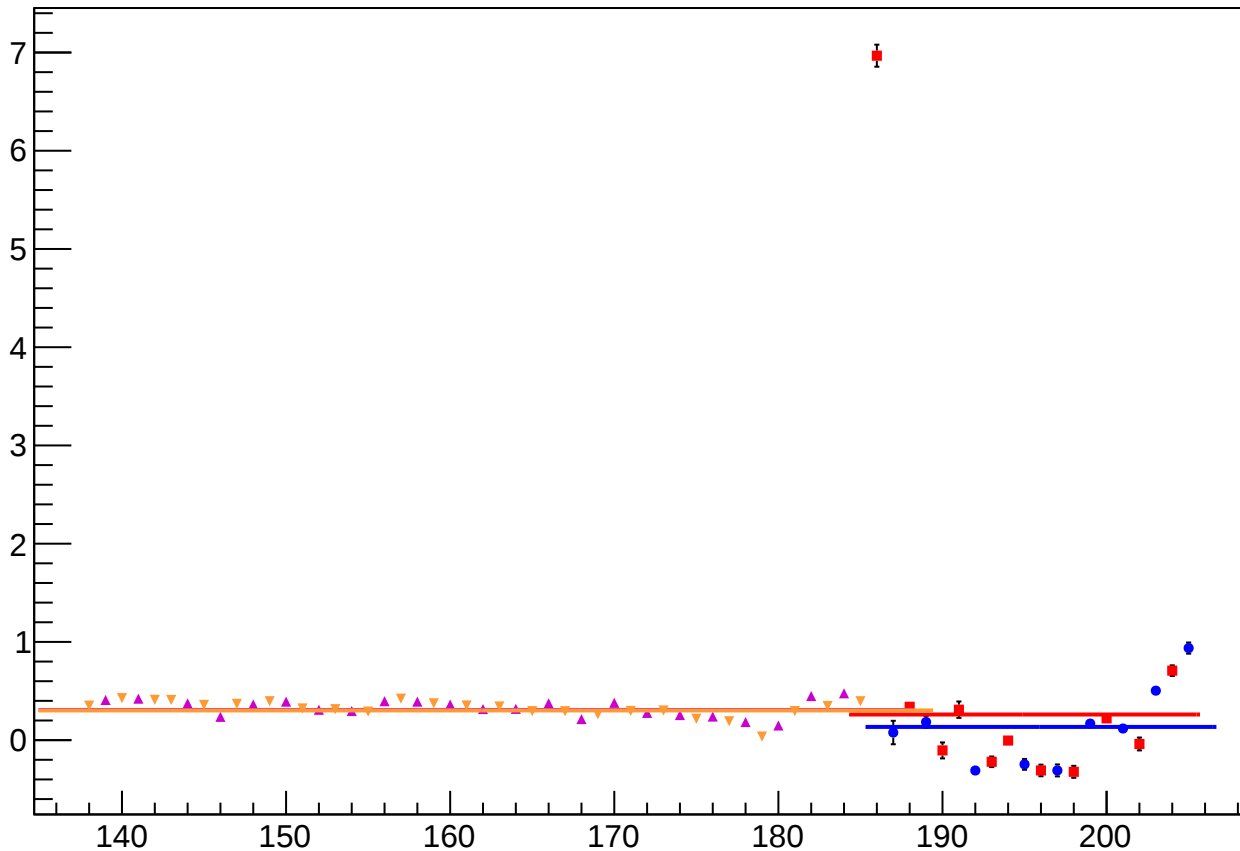
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF: 5504.2/22

+ sign 8.446 $\pm$ 0.045 χ^2 /NDF: 6600.1/33

All: 8.548 $\pm$ 0.032 χ^2 /NDF: 12382.3/67

- sign 8.653 $\pm$ 0.046 χ^2 /NDF: 5771.9/33

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.135 ± 0.019 χ^2/NDF : 433.7/8

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.261 ± 0.018 χ^2/NDF : 3979.6/10

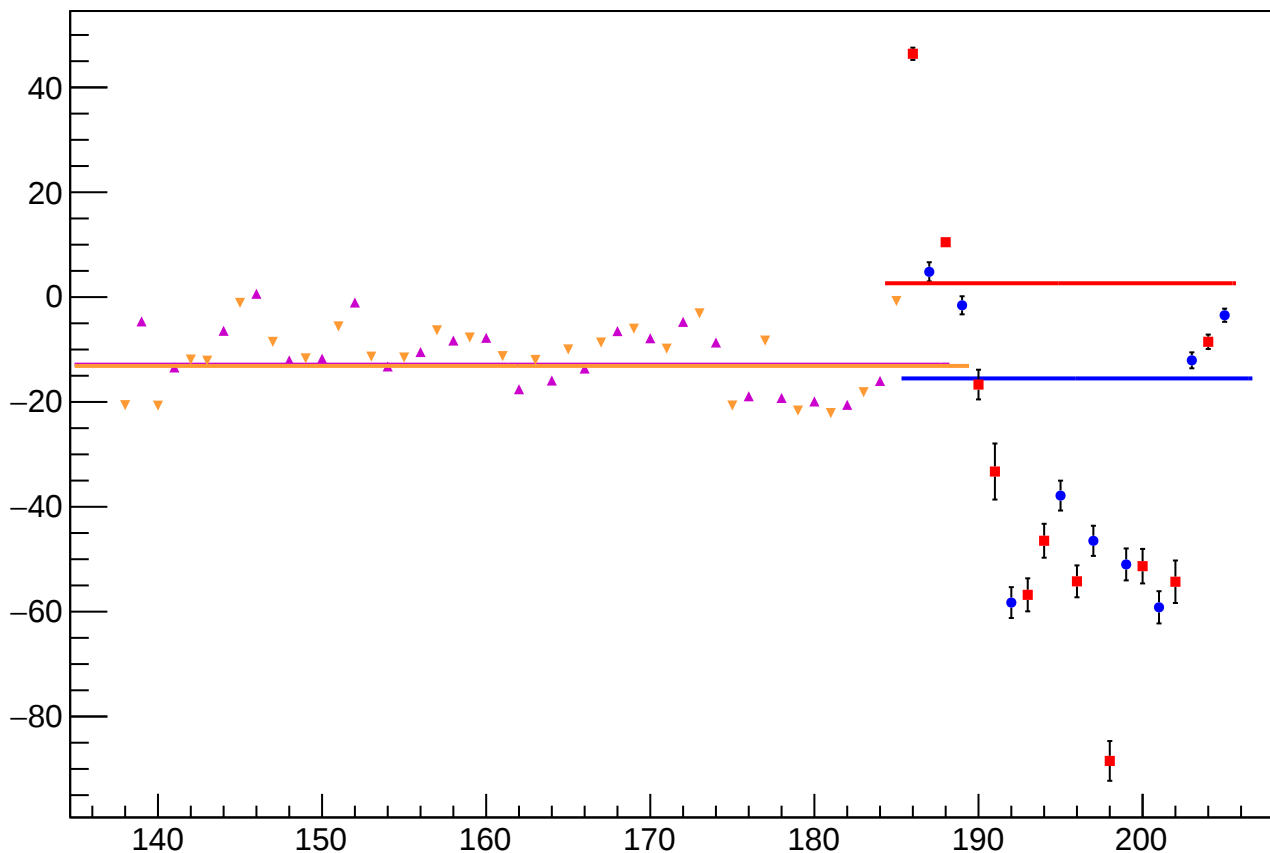
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.300 ± 0.002 χ^2/NDF : 2105.4/33

All: 0.303 ± 0.001 χ^2/NDF : 7795.4/67

- sign 0.307 ± 0.002 χ^2/NDF : 5685.7/33

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -15.514 ± 0.663 $\chi^2/\text{NDF}: 1011.6/8$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 2.641 ± 0.568 $\chi^2/\text{NDF}: 3615.0/10$

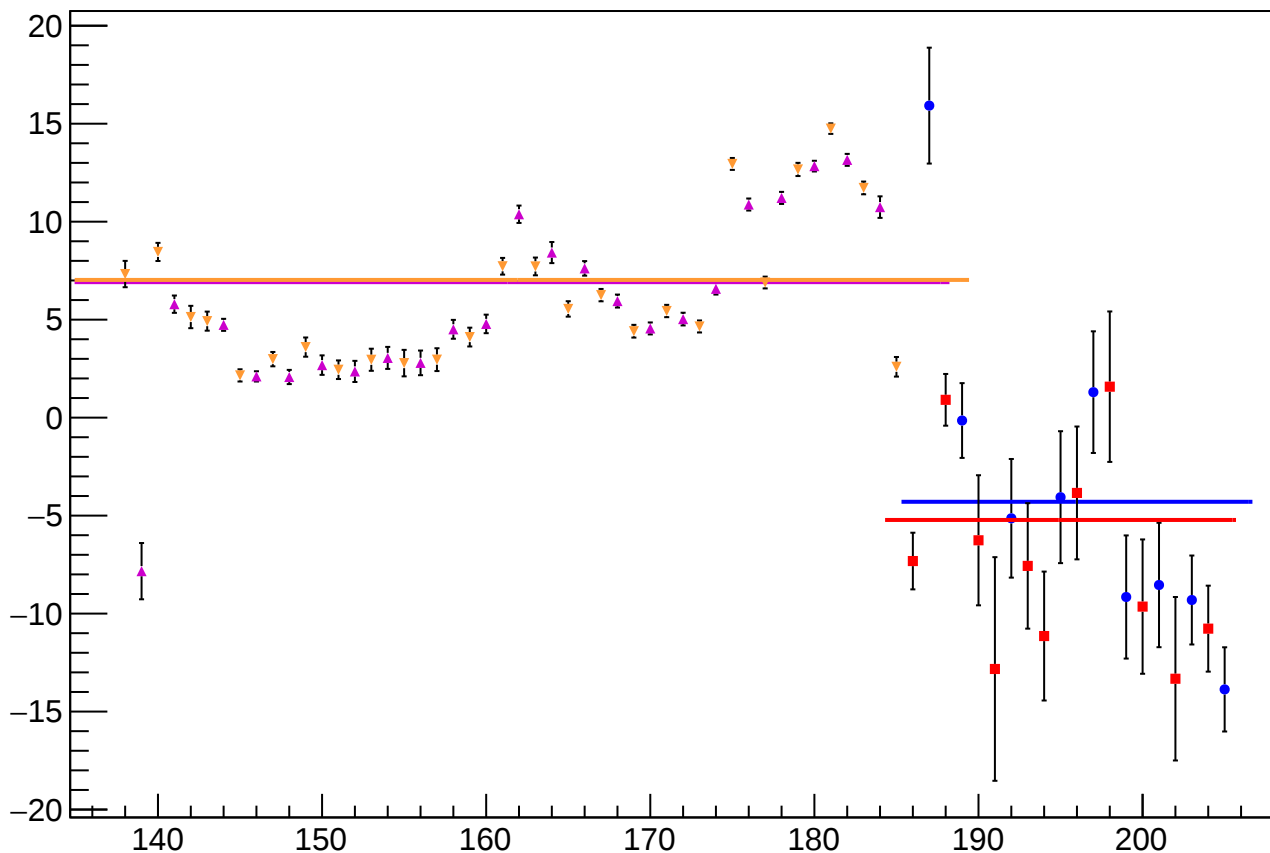
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.172 ± 0.093 $\chi^2/\text{NDF}: 7001.9/33$

All: -12.821 ± 0.066 $\chi^2/\text{NDF}: 16149.3/67$

- sign -12.462 ± 0.094 $\chi^2/\text{NDF}: 9118.5/33$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -4.294 ± 0.877 χ^2/NDF : 83.7/8

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -5.222 ± 0.731 χ^2/NDF : 44.5/10

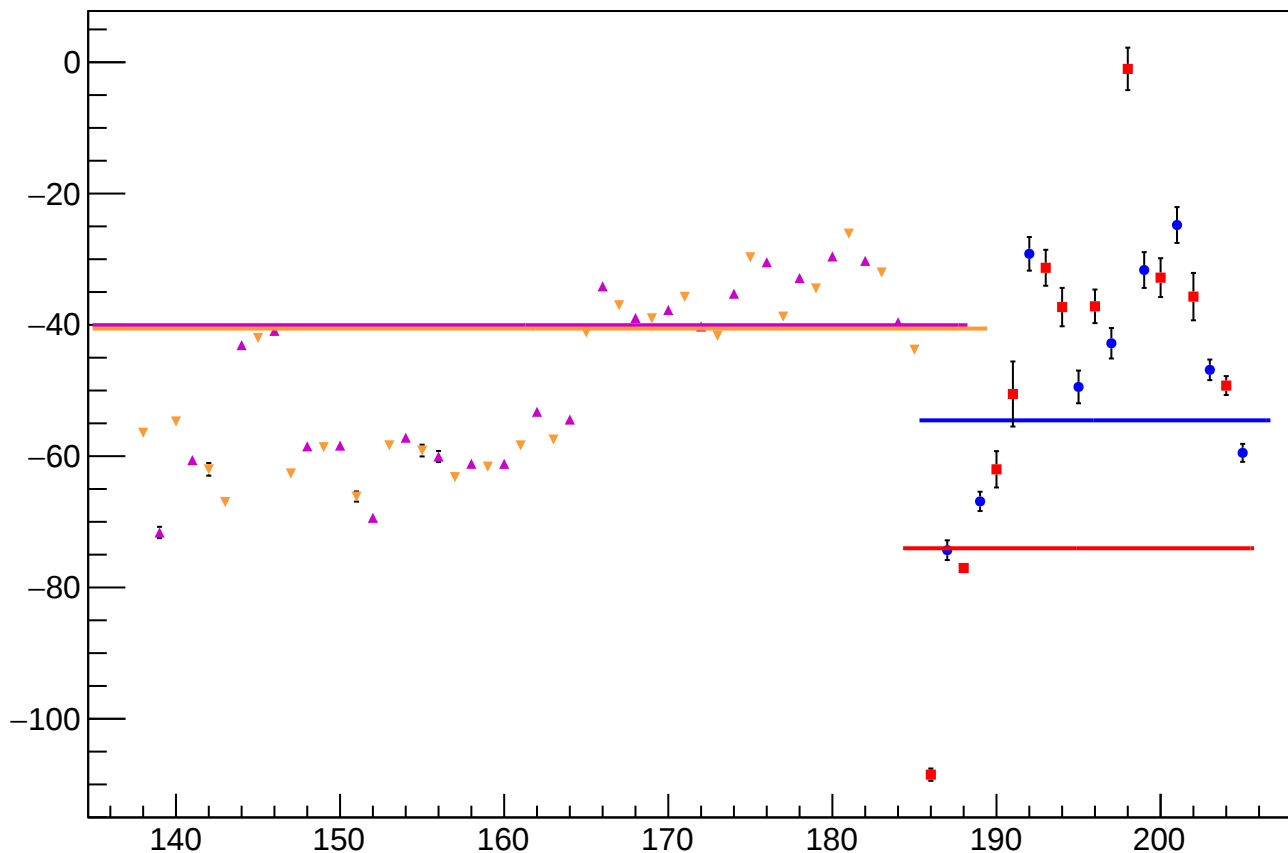
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 6.940 ± 0.077 χ^2/NDF : 2914.6/33

All: 6.860 ± 0.055 χ^2/NDF : 5661.8/67

- sign 6.778 ± 0.077 χ^2/NDF : 2745.0/33

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -54.544 ± 0.618 χ^2/NDF : 598.2/8

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -74.027 ± 0.485 χ^2/NDF : 3136.0/10

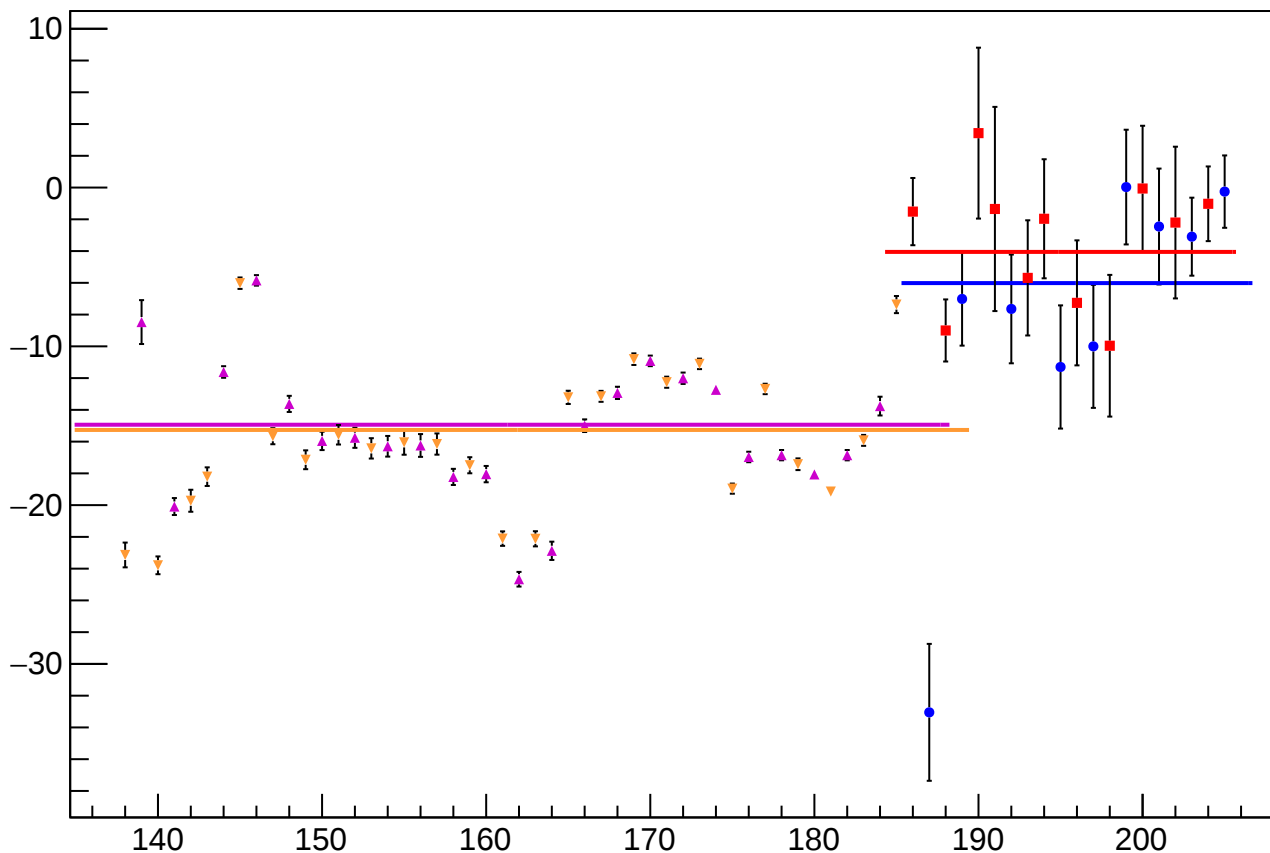
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -40.883 ± 0.094 χ^2/NDF : 16735.2/33

All: -41.104 ± 0.066 χ^2/NDF : 38537.4/67

- sign -41.327 ± 0.094 χ^2/NDF : 21791.1/33

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -6.017 ± 1.055 $\chi^2/\text{NDF}: 54.1/8$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -4.052 ± 0.956 $\chi^2/\text{NDF}: 15.7/10$

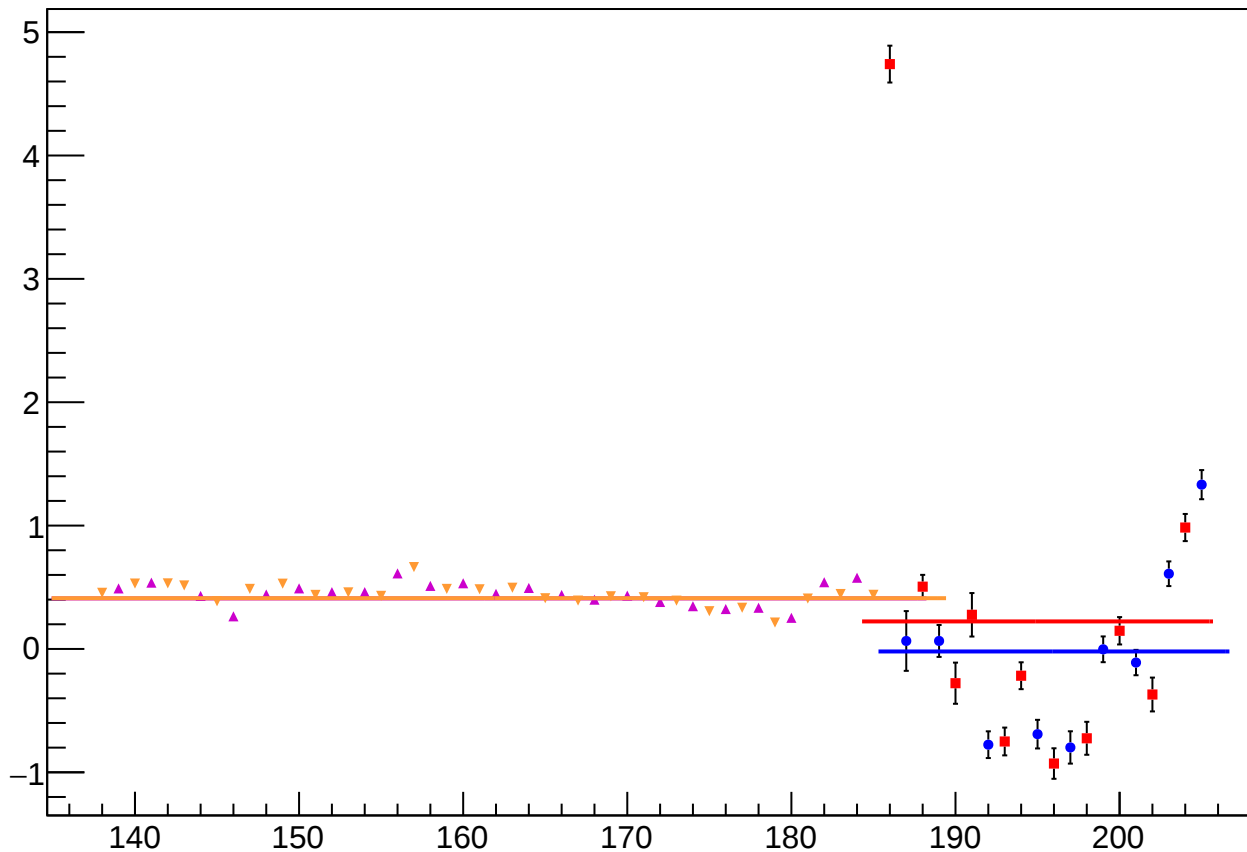
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.205 ± 0.086 $\chi^2/\text{NDF}: 2725.9/33$

All: -15.028 ± 0.061 $\chi^2/\text{NDF}: 5078.5/67$

- sign -14.847 ± 0.086 $\chi^2/\text{NDF}: 2343.9/33$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.020 ± 0.039 χ^2/NDF : 289.4/8

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.223 ± 0.037 χ^2/NDF : 1227.6/10

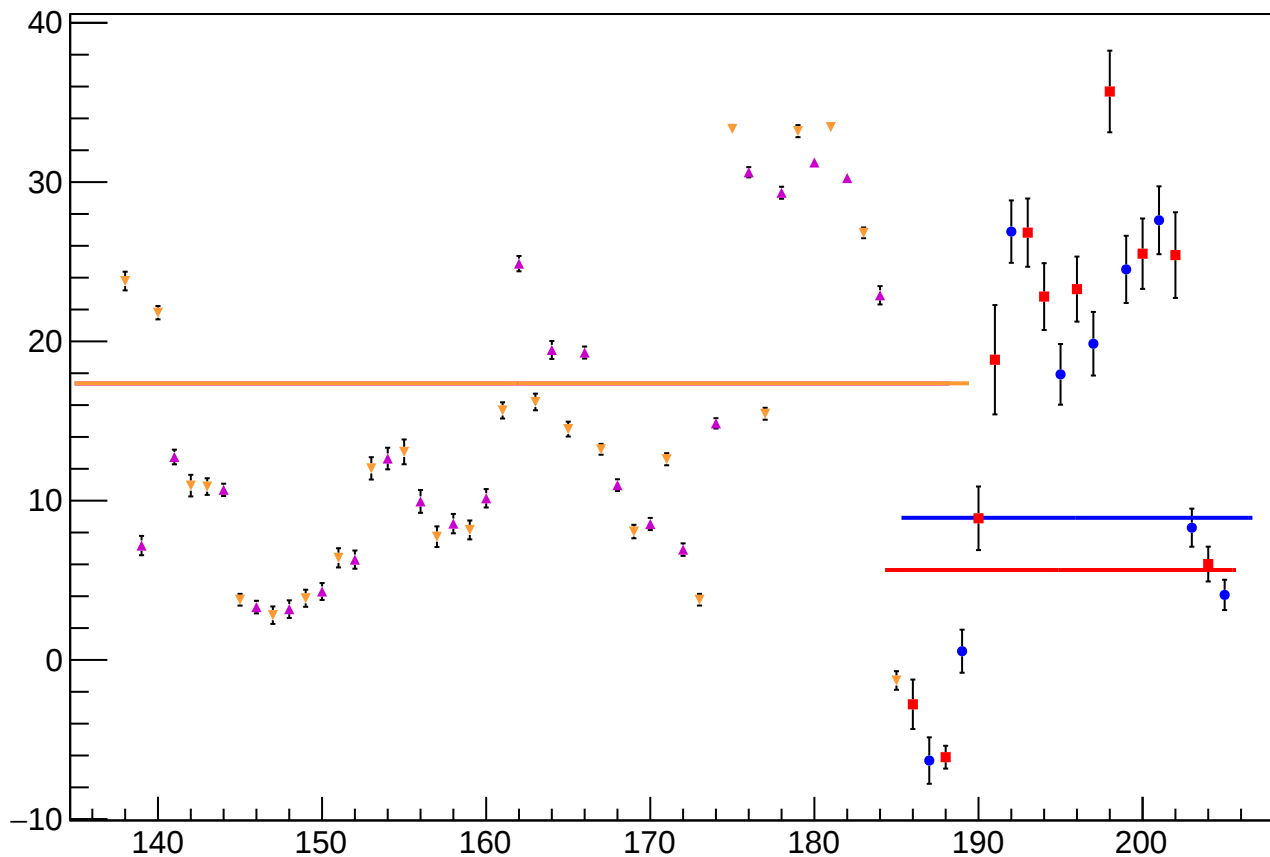
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.407 ± 0.004 χ^2/NDF : 838.5/33

All: 0.407 ± 0.003 χ^2/NDF : 2648.8/67

- sign 0.407 ± 0.004 χ^2/NDF : 1810.3/33

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 8.924 ± 0.497 χ^2/NDF : 441.6/8

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: 5.647 ± 0.461 χ^2/NDF : 827.4/10

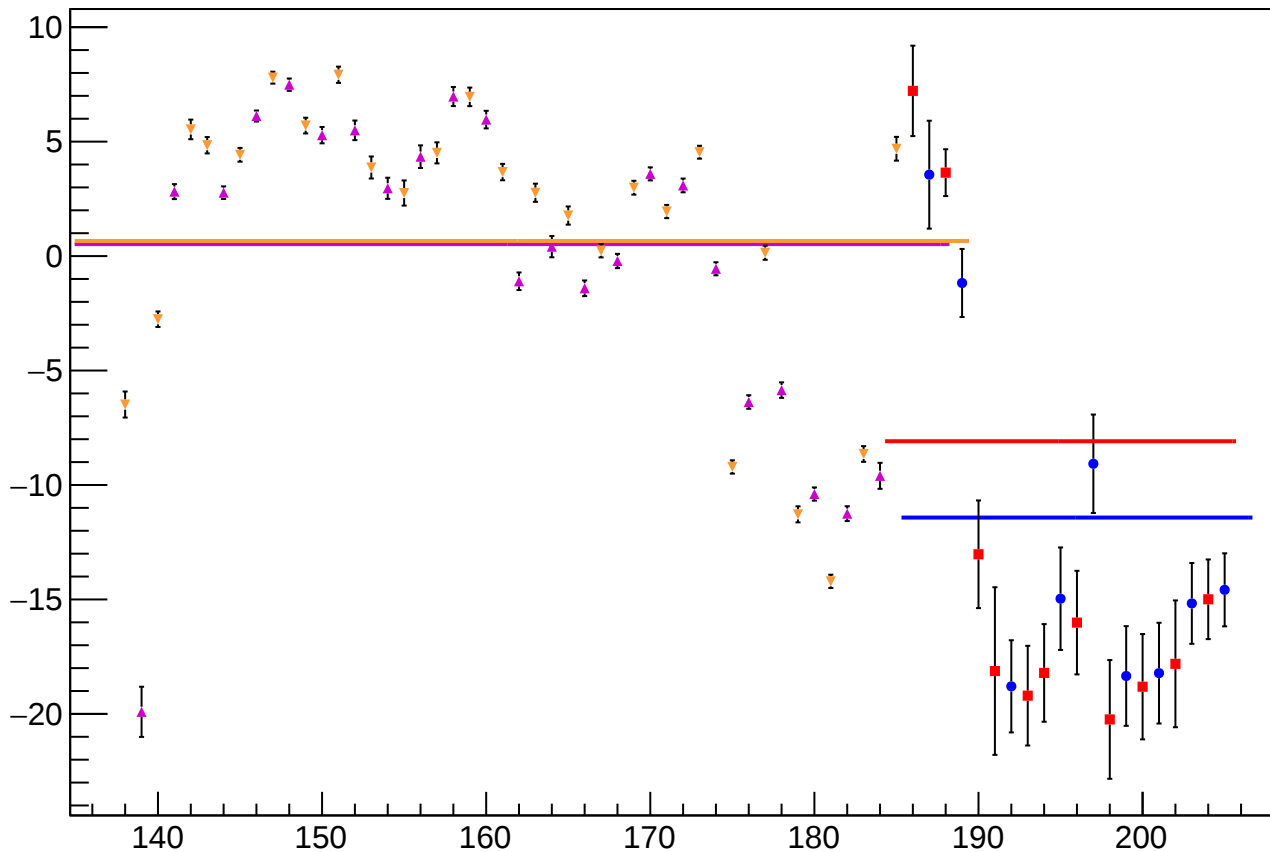
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 17.115 ± 0.086 χ^2/NDF : 17059.4/33

All: 17.027 ± 0.061 χ^2/NDF : 31257.0/67

- sign 16.935 ± 0.087 χ^2/NDF : 14195.5/33

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -11.423 ± 0.642 $\chi^2/\text{NDF}: 133.0/8$

Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$

Right Out: -8.089 ± 0.588 $\chi^2/\text{NDF}: 336.1/10$

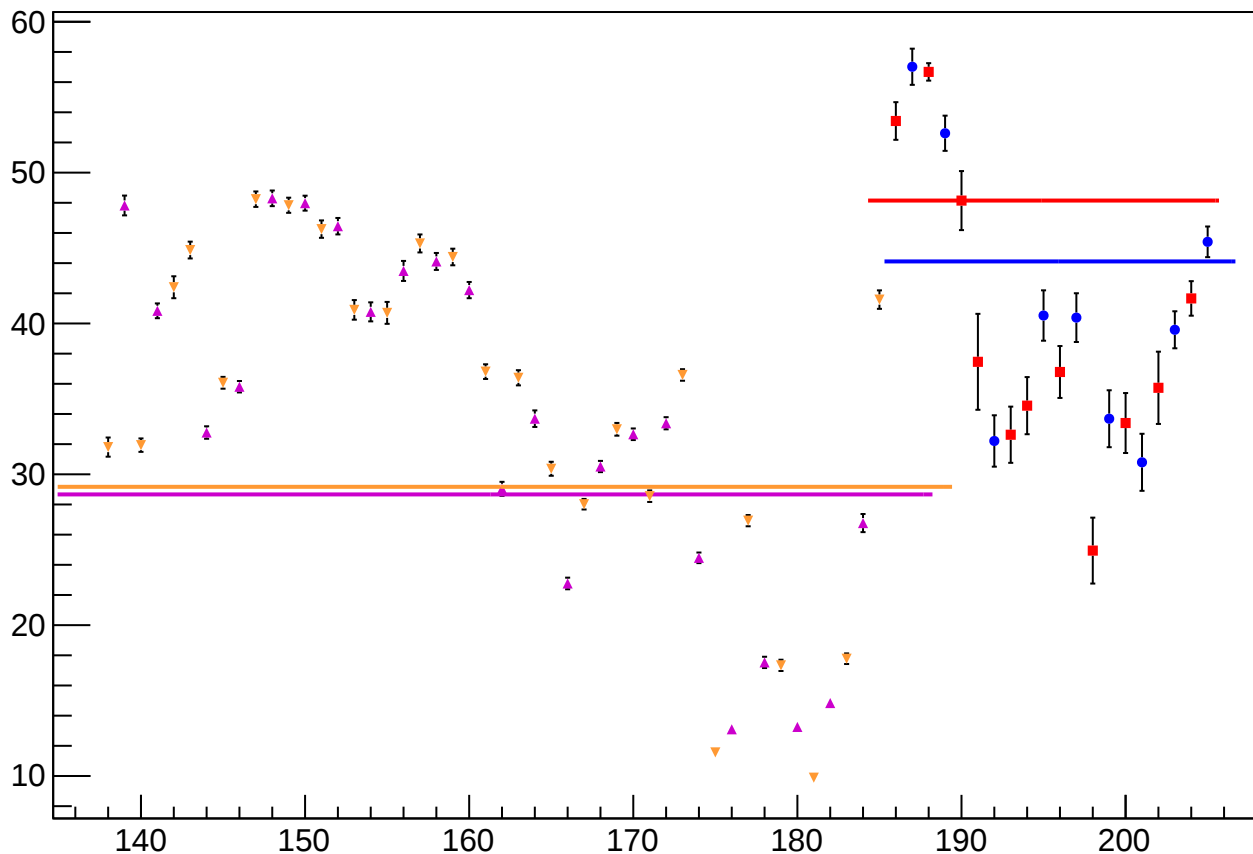
Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

+ sign 0.521 ± 0.069 $\chi^2/\text{NDF}: 9036.9/33$

All: 0.462 ± 0.049 $\chi^2/\text{NDF}: 16315.7/67$

- sign 0.401 ± 0.070 $\chi^2/\text{NDF}: 7277.3/33$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 44.113 $\pm$ 0.461 χ^2 /NDF: 323.1/8

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 48.148 $\pm$ 0.399 χ^2 /NDF: 637.9/10

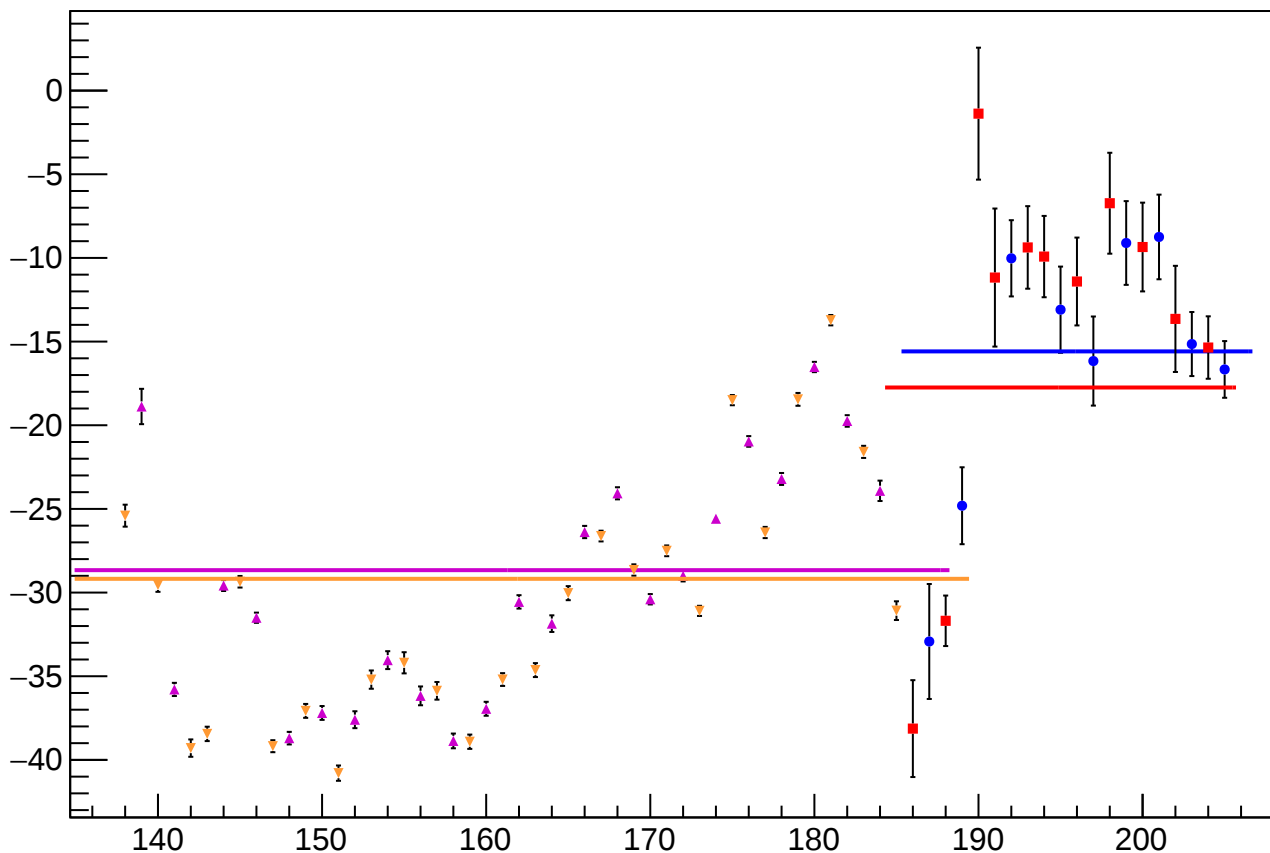
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.694 $\pm$ 0.086 χ^2 /NDF: 20312.2/33

All: 29.645 $\pm$ 0.061 χ^2 /NDF: 40073.0/67

- sign 29.595 $\pm$ 0.087 χ^2 /NDF: 19760.2/33

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -15.587 ± 0.768 $\chi^2/\text{NDF}: 63.0/8$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -17.744 ± 0.746 $\chi^2/\text{NDF}: 209.1/10$

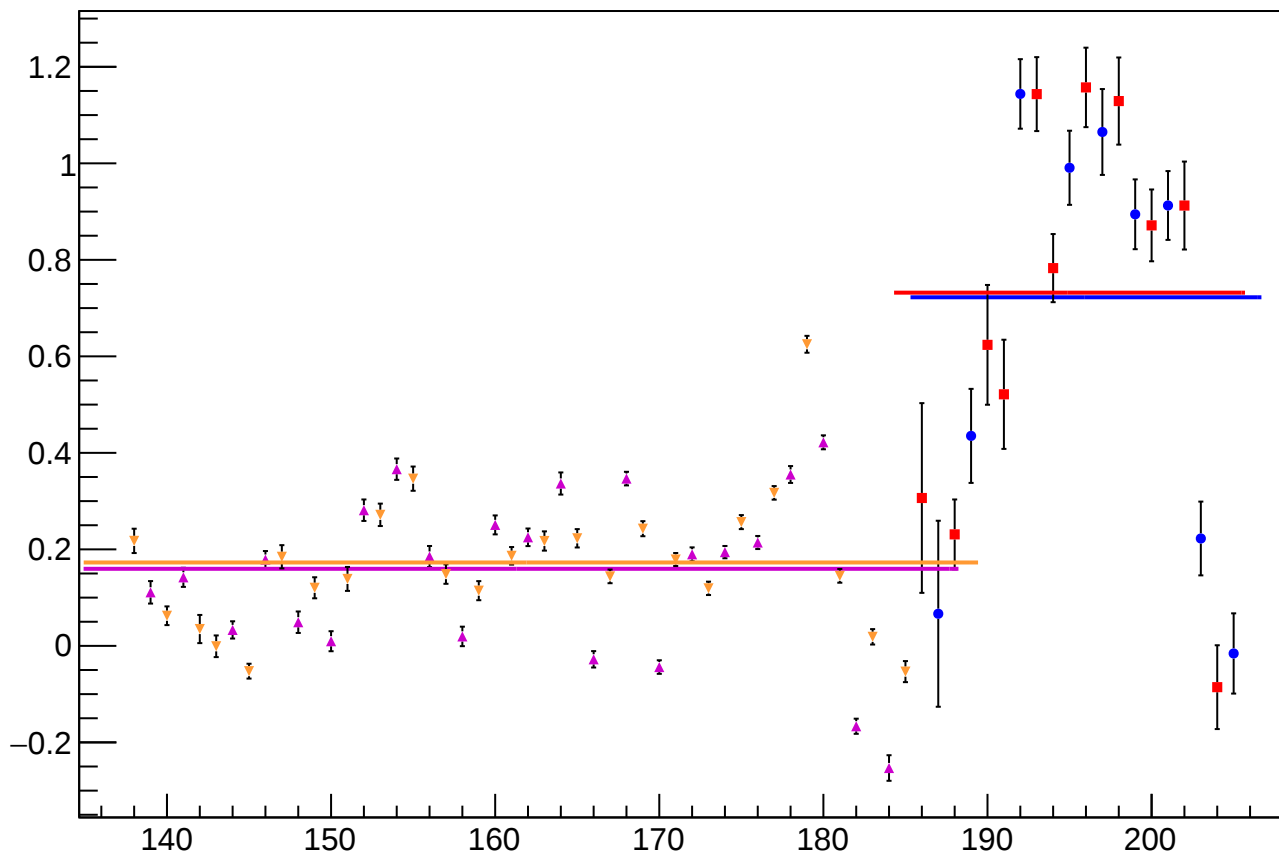
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -29.039 ± 0.078 $\chi^2/\text{NDF}: 9454.5/33$

All: -28.793 ± 0.056 $\chi^2/\text{NDF}: 16566.0/67$

- sign -28.537 ± 0.079 $\chi^2/\text{NDF}: 7091.1/33$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.722 ± 0.027 χ^2/NDF : 215.9/8

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.732 ± 0.026 χ^2/NDF : 228.3/10

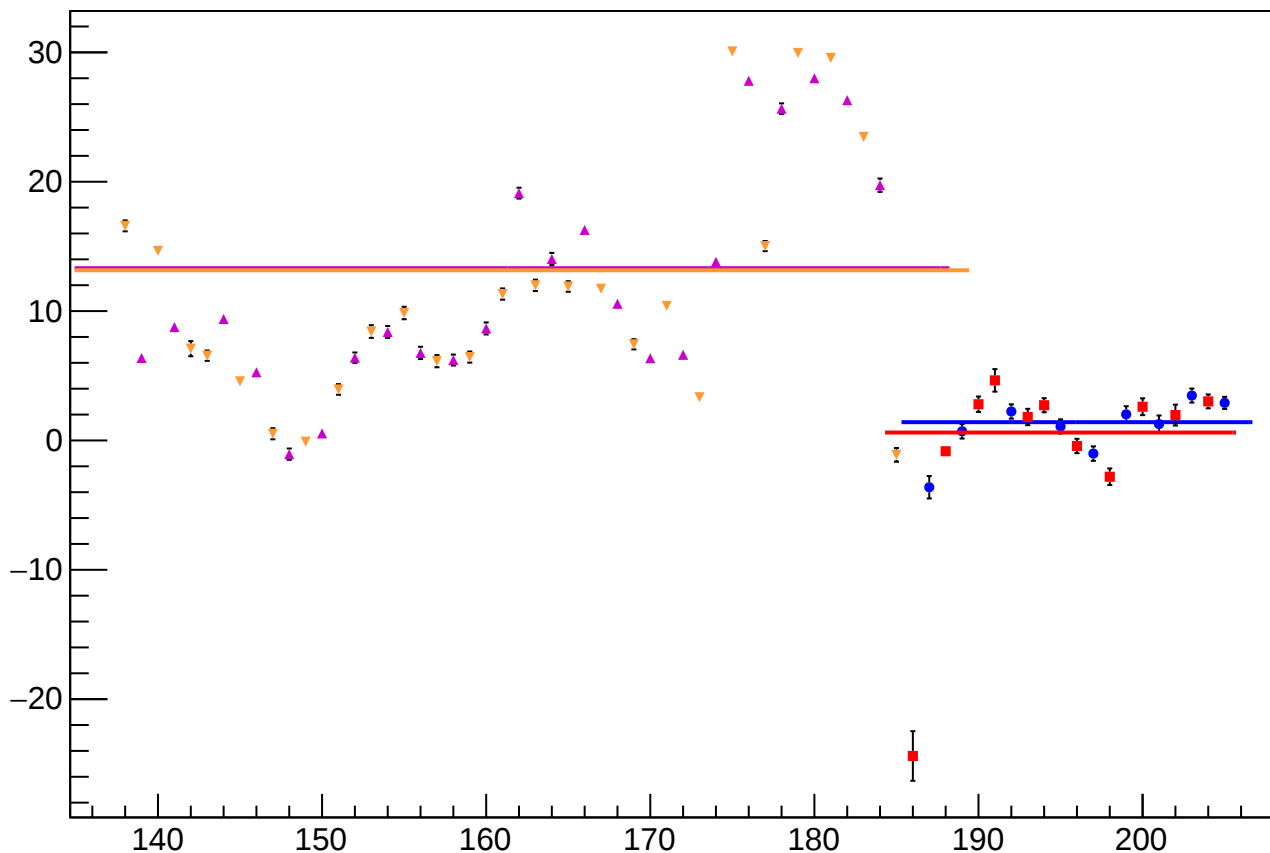
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.182 ± 0.004 χ^2/NDF : 2087.6/33

All: 0.176 ± 0.003 χ^2/NDF : 4840.1/67

- sign 0.170 ± 0.004 χ^2/NDF : 2747.3/33

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.412 ± 0.192 χ^2/NDF : 82.1/8

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: 0.613 ± 0.167 χ^2/NDF : 313.6/10

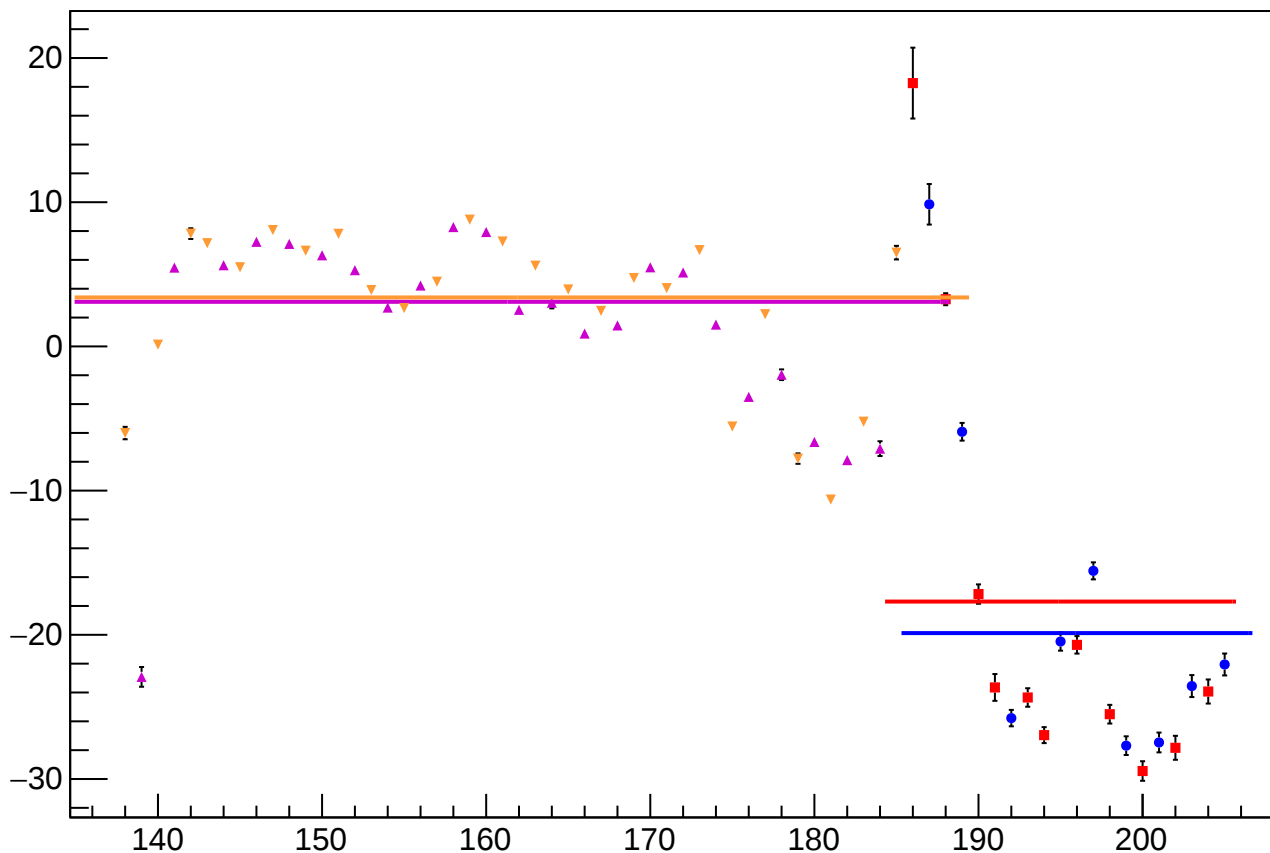
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 11.597 ± 0.070 χ^2/NDF : 20391.2/33

All: 11.339 ± 0.050 χ^2/NDF : 39480.6/67

- sign 11.082 ± 0.070 χ^2/NDF : 19062.3/33

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -19.881 ± 0.226 $\chi^2/\text{NDF}: 1425.1/8$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -17.695 ± 0.199 $\chi^2/\text{NDF}: 3877.7/10$

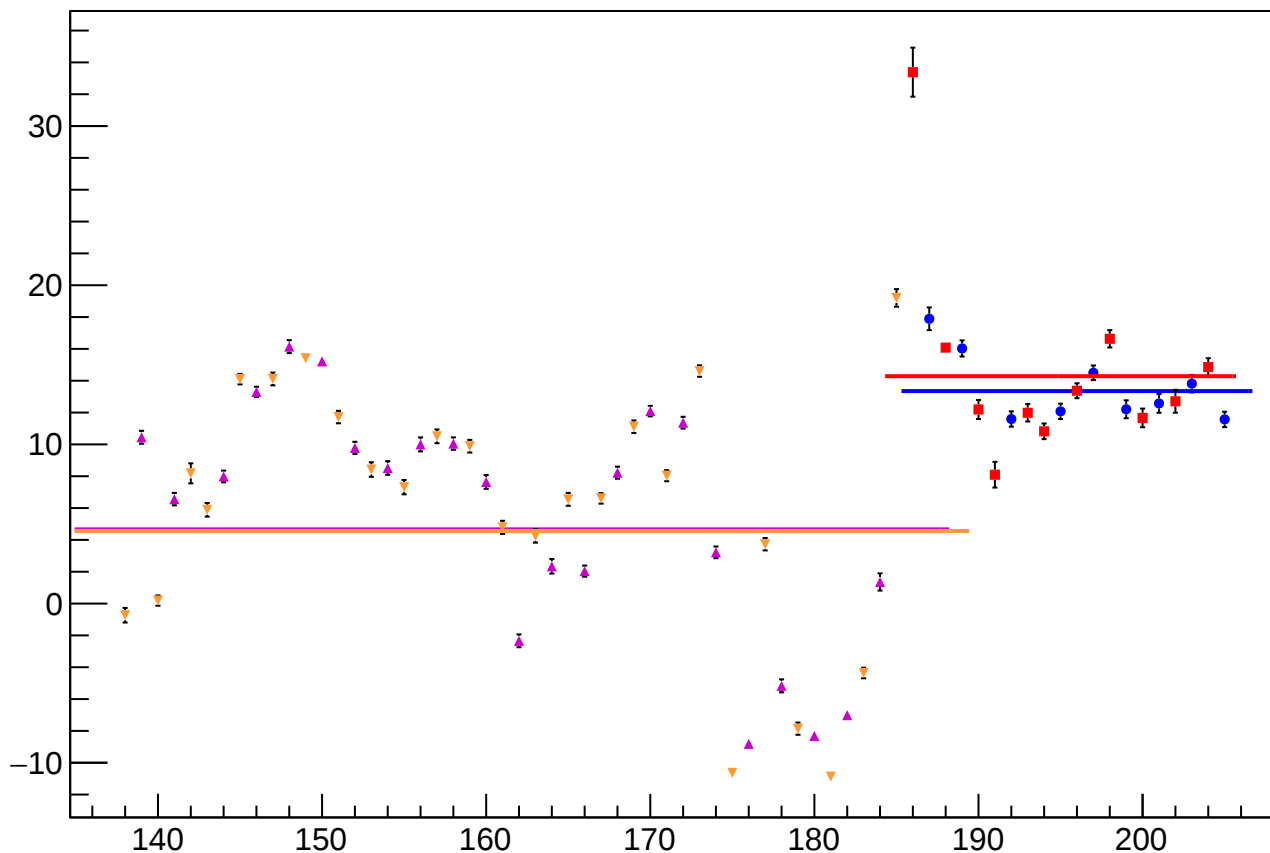
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 1.942 ± 0.057 $\chi^2/\text{NDF}: 19460.0/33$

All: 1.644 ± 0.040 $\chi^2/\text{NDF}: 40471.4/67$

- sign 1.332 ± 0.058 $\chi^2/\text{NDF}: 20954.7/33$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.348 ± 0.175 χ^2/NDF : 114.8/8

Left Out: 4.561 ± 0.075 χ^2/NDF : 13592.1/24

Right Out: 14.285 ± 0.145 χ^2/NDF : 401.8/10

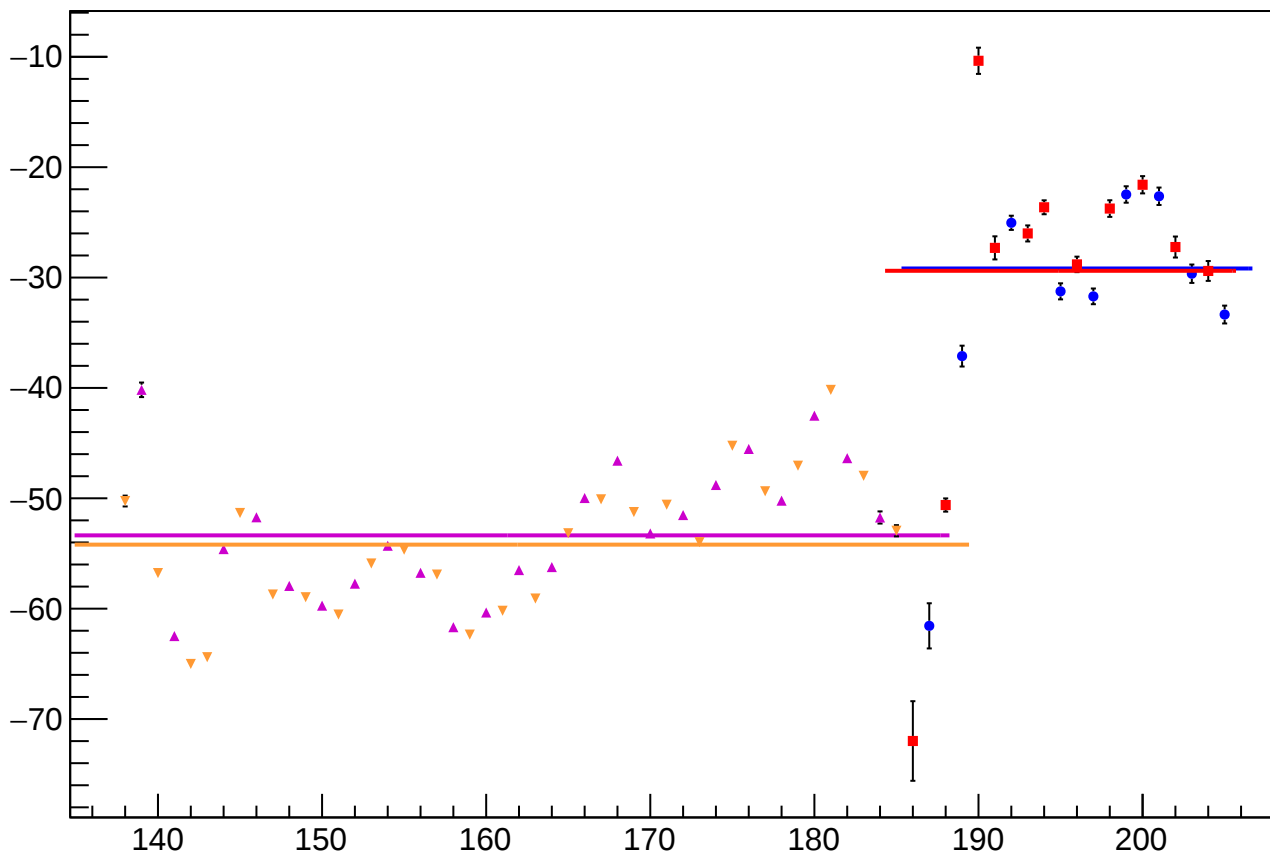
Left In: 4.662 ± 0.077 χ^2/NDF : 11281.5/22

+ sign 5.939 ± 0.069 χ^2/NDF : 15838.2/33

All: 6.358 ± 0.048 χ^2/NDF : 31016.5/67

- sign 6.761 ± 0.068 χ^2/NDF : 15106.5/33

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -29.178 ± 0.267 χ^2/NDF : 559.8/8

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -29.387 ± 0.245 χ^2/NDF : 1921.3/10

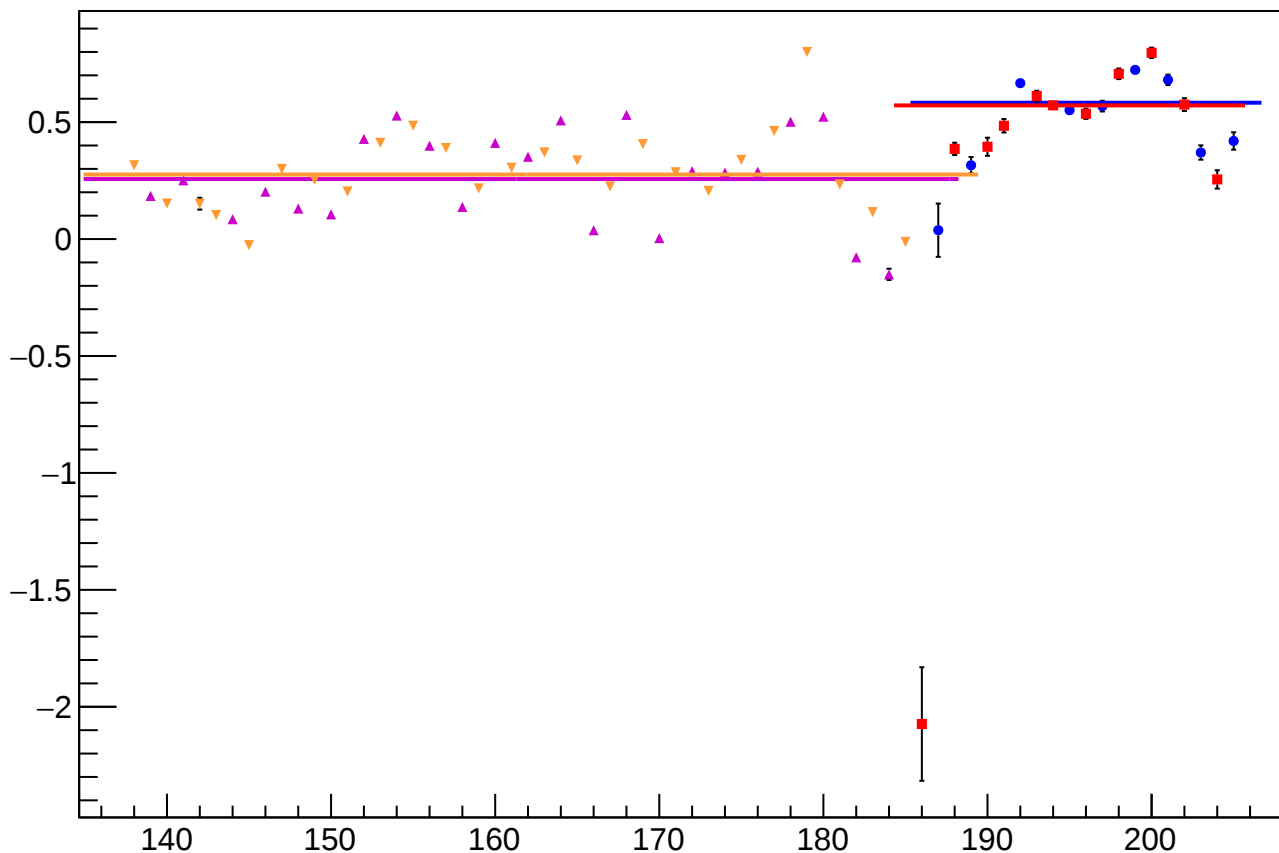
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -52.743 ± 0.064 χ^2/NDF : 17281.1/33

All: -52.196 ± 0.046 χ^2/NDF : 35109.6/67

- sign -51.622 ± 0.066 χ^2/NDF : 17680.8/33

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.583 ± 0.009 χ^2/NDF : 230.2/8

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.571 ± 0.008 χ^2/NDF : 410.4/10

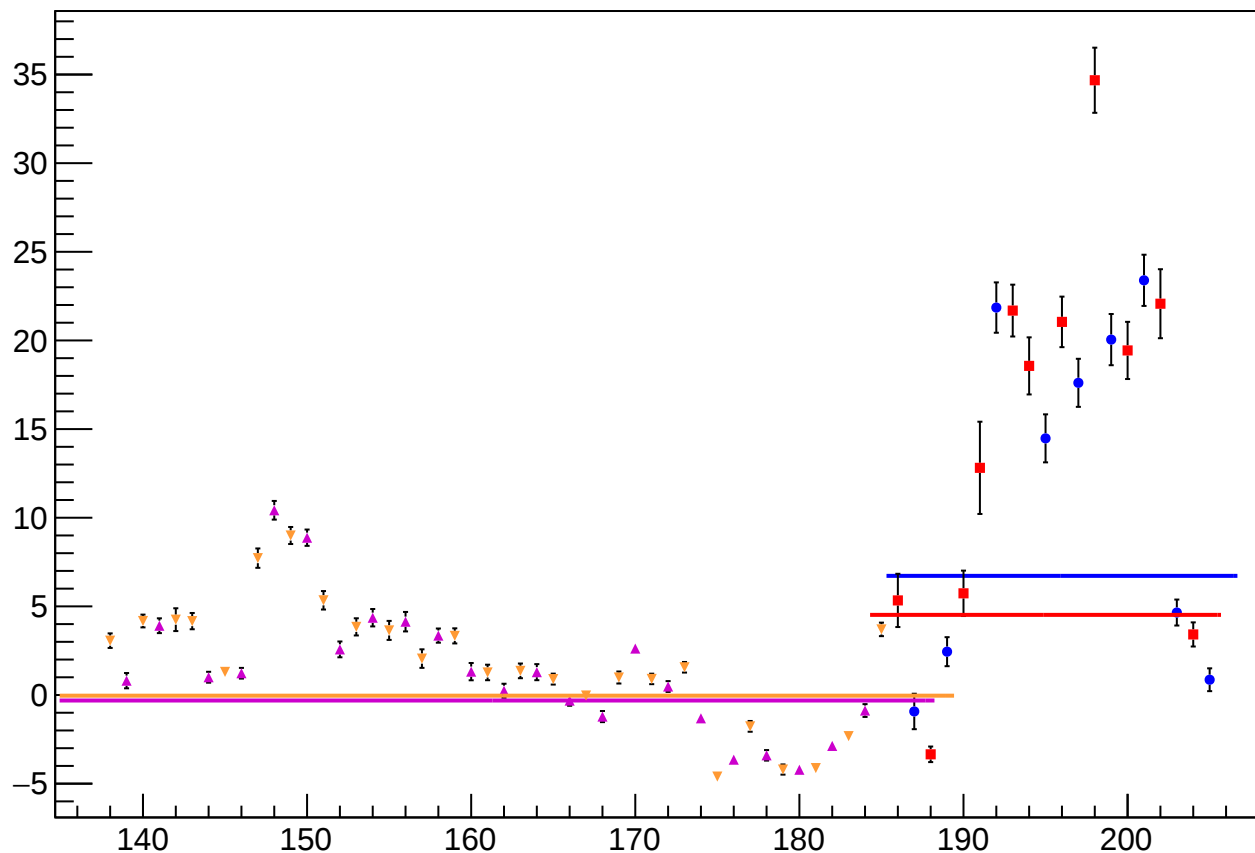
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.310 ± 0.003 χ^2/NDF : 3974.1/33

All: 0.305 ± 0.002 χ^2/NDF : 9415.9/67

- sign 0.300 ± 0.003 χ^2/NDF : 5435.5/33

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 6.721 ± 0.328 χ^2/NDF : 606.0/8

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 4.520 ± 0.304 χ^2/NDF : 1119.8/10

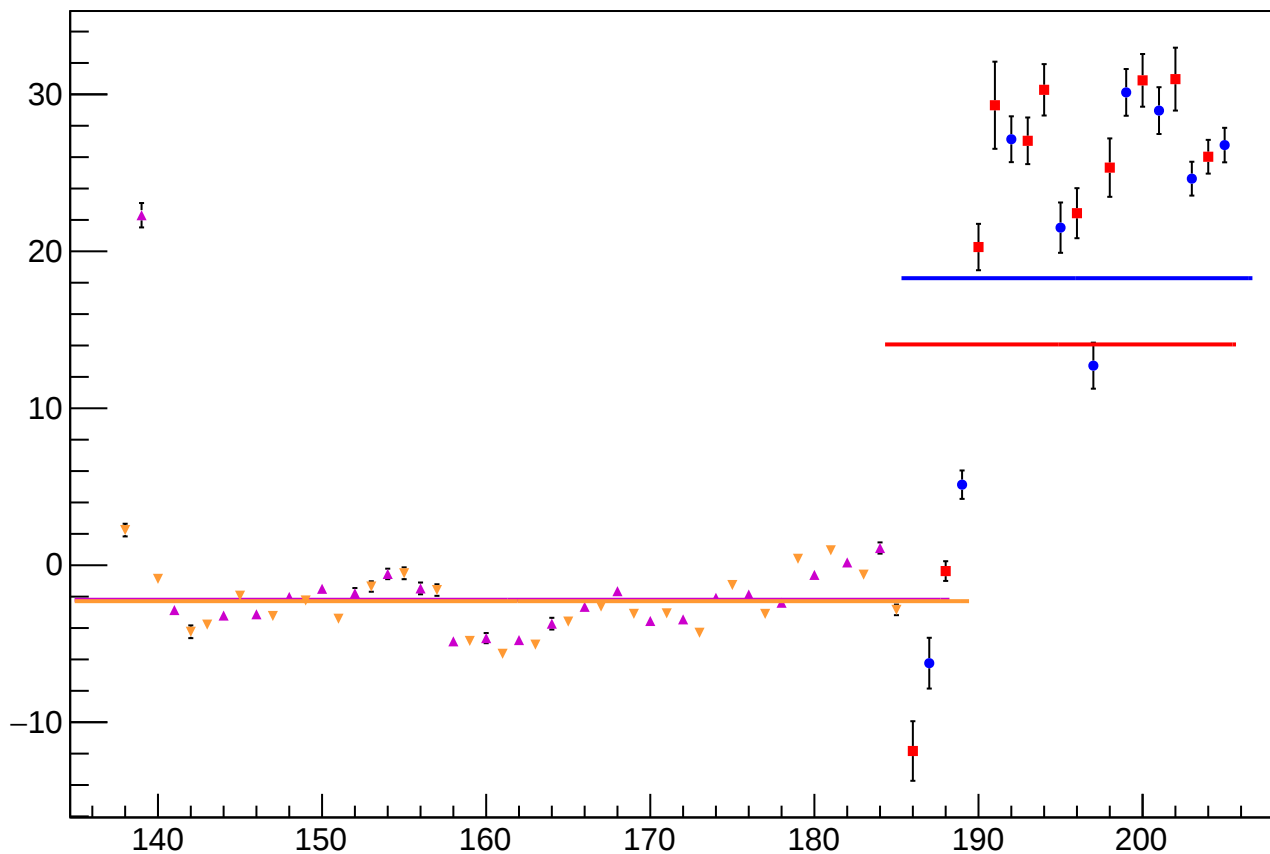
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.226 ± 0.065 χ^2/NDF : 3652.5/33

All: 0.074 ± 0.046 χ^2/NDF : 7275.2/67

- sign -0.084 ± 0.066 χ^2/NDF : 3611.4/33

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 18.288 ± 0.426 $\chi^2/\text{NDF}: 704.8/8$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 14.068 ± 0.396 $\chi^2/\text{NDF}: 1296.9/10$

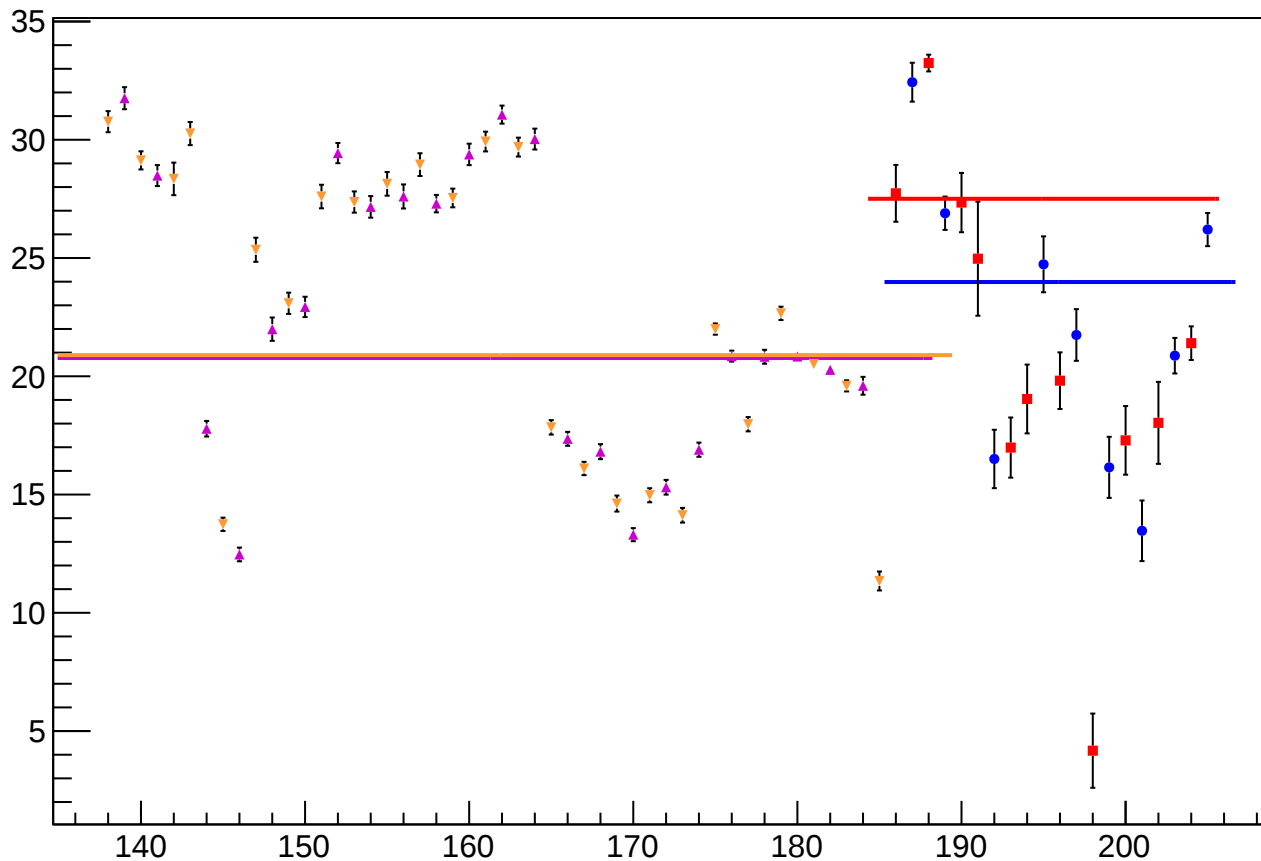
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -1.961 ± 0.054 $\chi^2/\text{NDF}: 4140.1/33$

All: -1.925 ± 0.038 $\chi^2/\text{NDF}: 8768.0/67$

- sign -1.889 ± 0.055 $\chi^2/\text{NDF}: 4627.0/33$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 23.986 $\pm$ 0.306 χ^2 /NDF: 295.3/8

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF: 6655.4/24

Right Out: 27.505 $\pm$ 0.263 χ^2 /NDF: 781.8/10

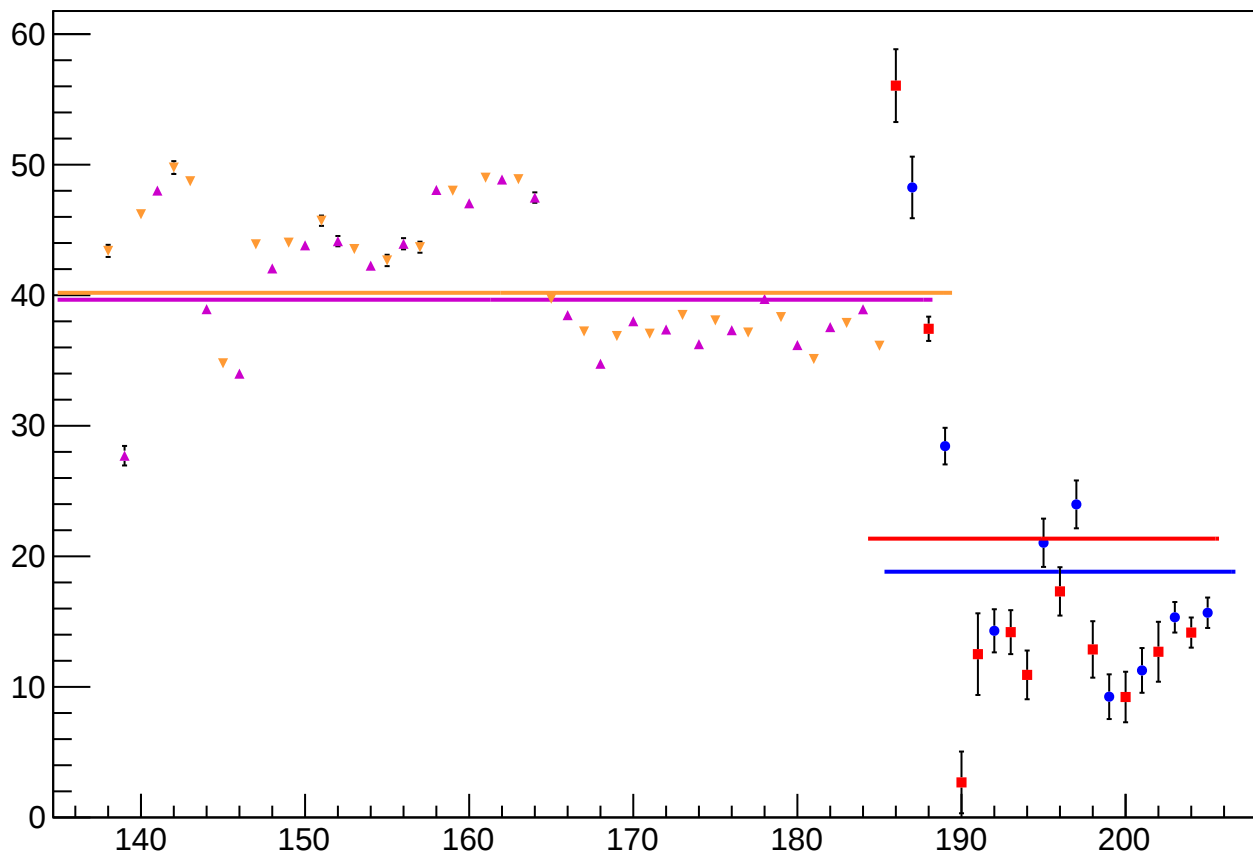
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 21.035 $\pm$ 0.065 χ^2 /NDF: 7048.4/33

All: 21.112 $\pm$ 0.046 χ^2 /NDF: 14375.6/67

- sign 21.191 $\pm$ 0.065 χ^2 /NDF: 7324.3/33

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 18.823+/-0.513 χ^2/NDF : 286.7/8

Left Out: 40.186+/-0.060 χ^2/NDF : 5932.7/24

Right Out: 21.355+/-0.505 χ^2/NDF : 685.8/10

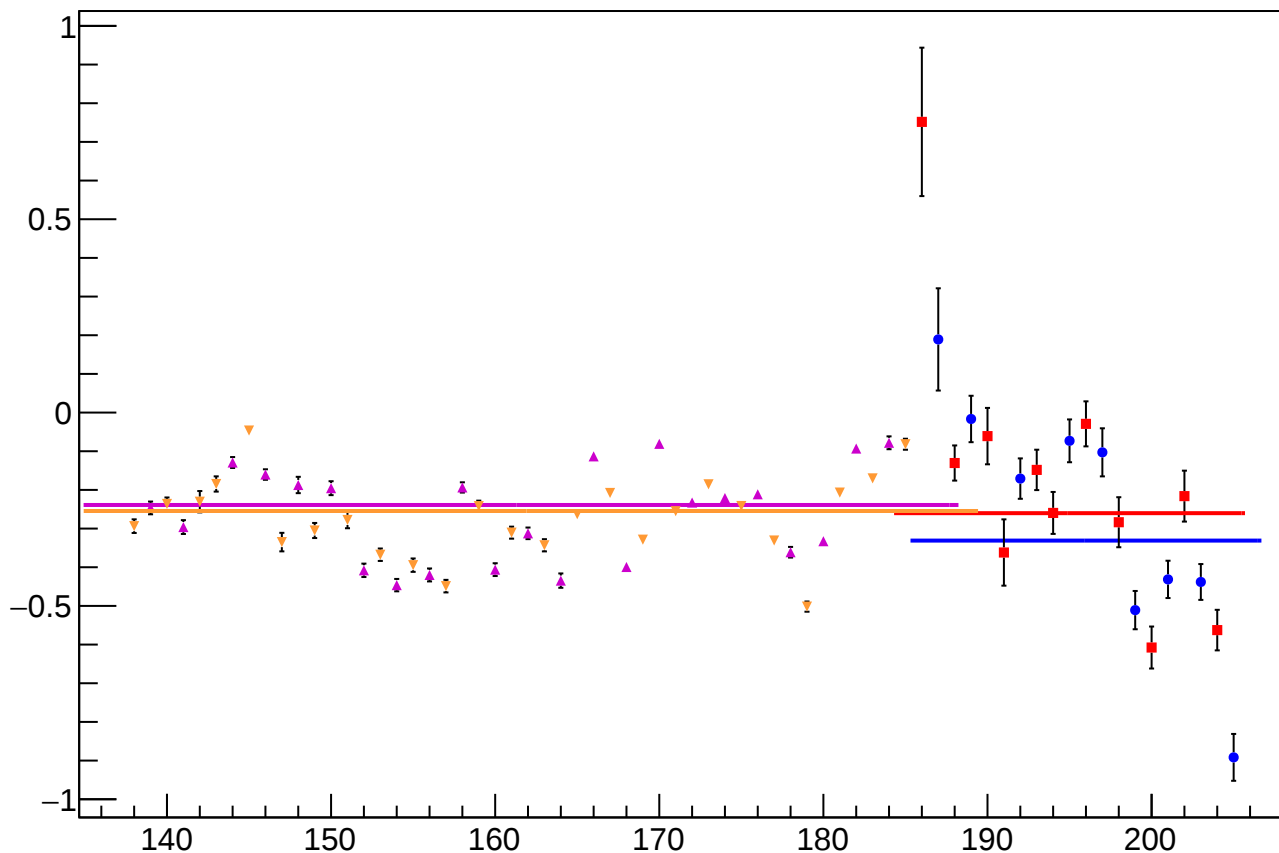
Left In: 39.655+/-0.061 χ^2/NDF : 5298.6/22

+ sign 39.894+/-0.060 χ^2/NDF : 7927.2/33

All: 39.646+/-0.043 χ^2/NDF : 15239.6/67

- sign 39.388+/-0.061 χ^2/NDF : 7277.3/33

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.331 ± 0.019 χ^2/NDF : 196.0/8

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.260 ± 0.018 χ^2/NDF : 139.9/10

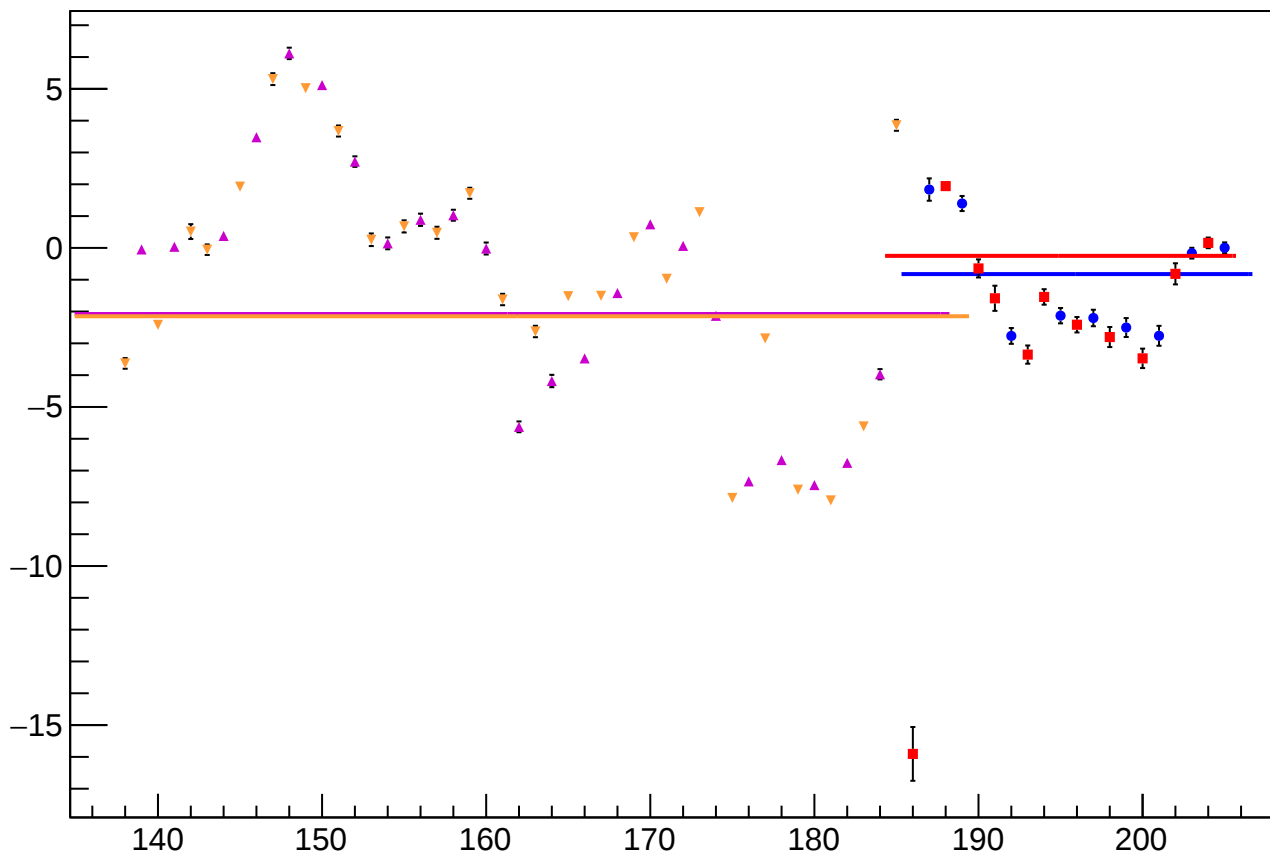
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.256 ± 0.003 χ^2/NDF : 1632.8/33

All: -0.248 ± 0.002 χ^2/NDF : 3543.2/67

- sign -0.239 ± 0.003 χ^2/NDF : 1891.7/33

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.823 ± 0.078 χ^2/NDF : 372.6/8

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.250 ± 0.068 χ^2/NDF : 1166.6/10

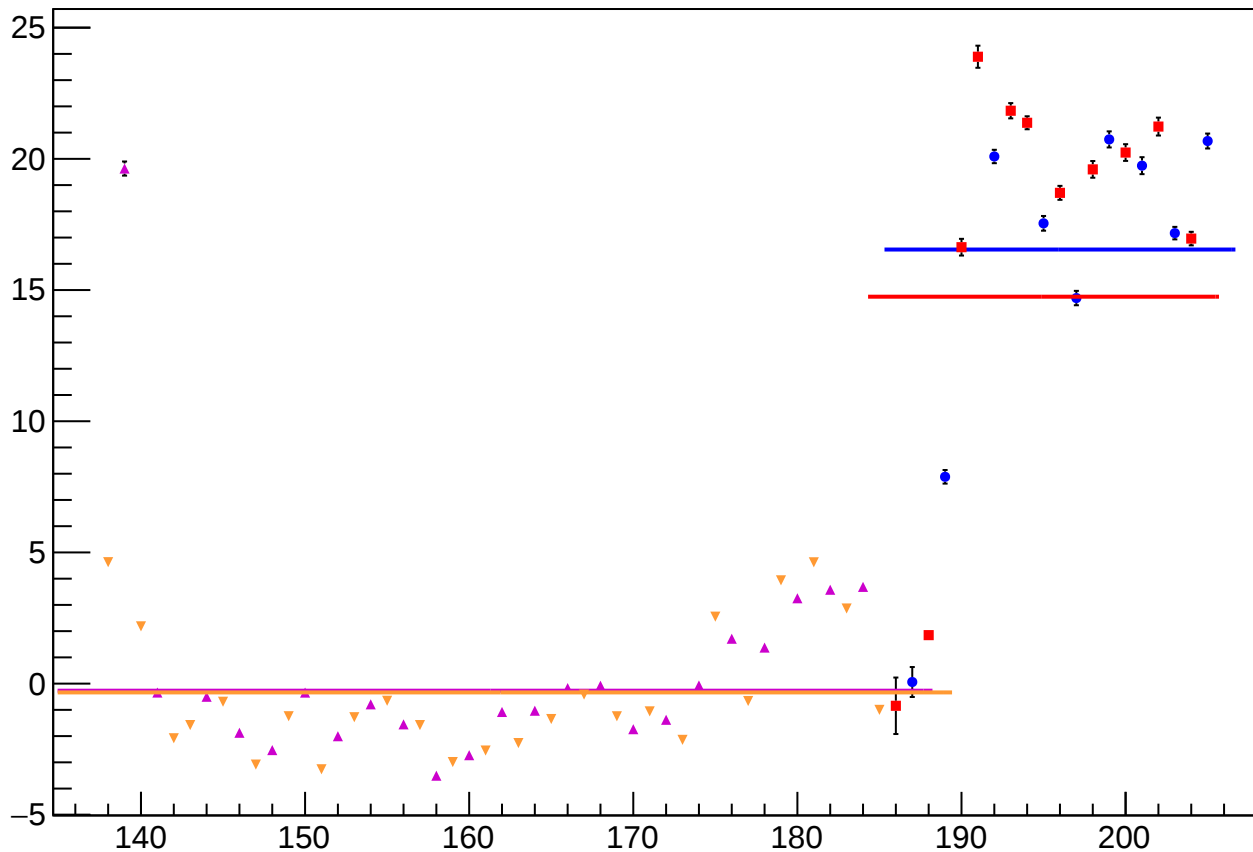
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.019 ± 0.024 χ^2/NDF : 25171.3/33

All: -1.932 ± 0.017 χ^2/NDF : 50235.7/67

- sign -1.845 ± 0.024 χ^2/NDF : 25039.0/33

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 16.544 ± 0.096 $\chi^2/\text{NDF}: 2704.9/8$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 14.747 ± 0.084 $\chi^2/\text{NDF}: 9597.8/10$

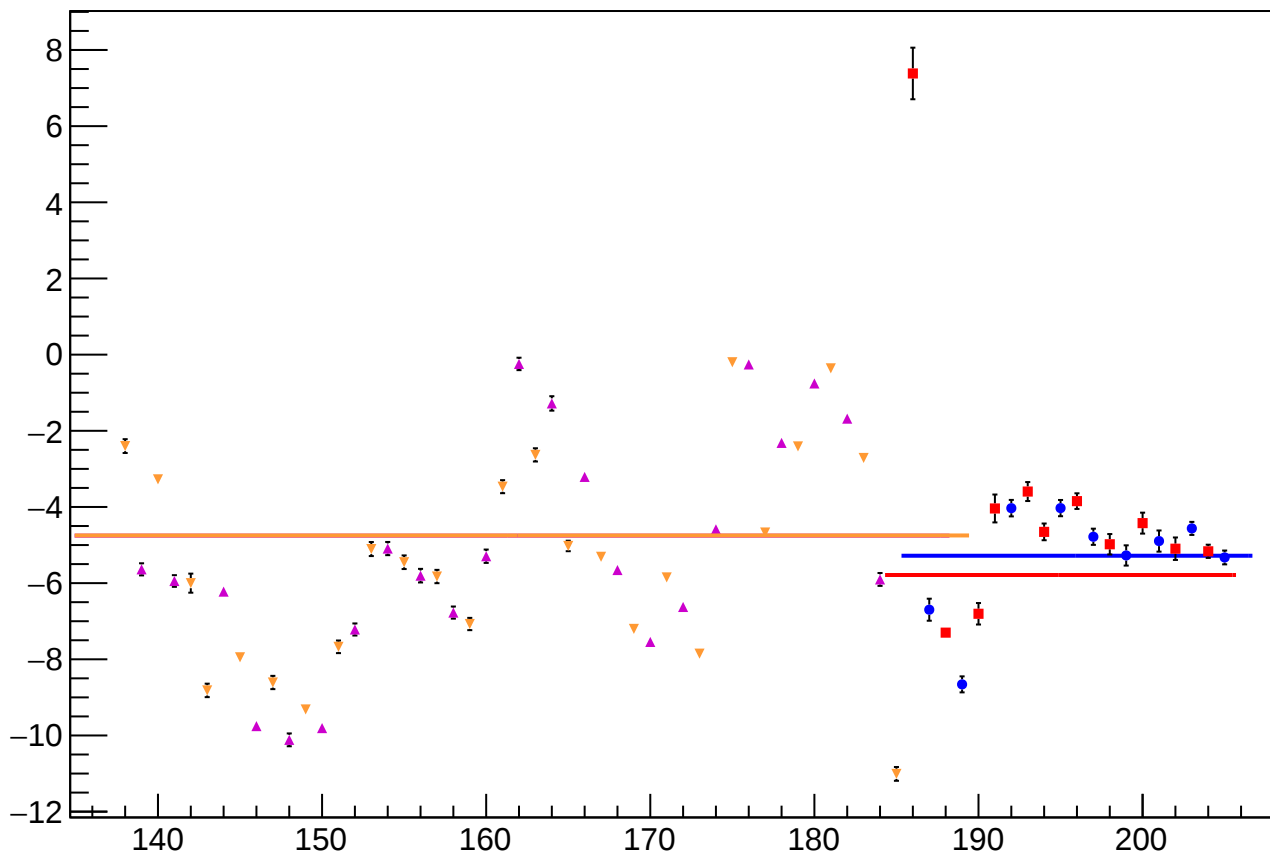
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign 0.412 ± 0.020 $\chi^2/\text{NDF}: 45074.2/33$

All: 0.506 ± 0.014 $\chi^2/\text{NDF}: 97835.7/67$

- sign 0.601 ± 0.020 $\chi^2/\text{NDF}: 52717.9/33$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.280 ± 0.072 χ^2/NDF : 374.7/8

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.786 ± 0.060 χ^2/NDF : 948.8/10

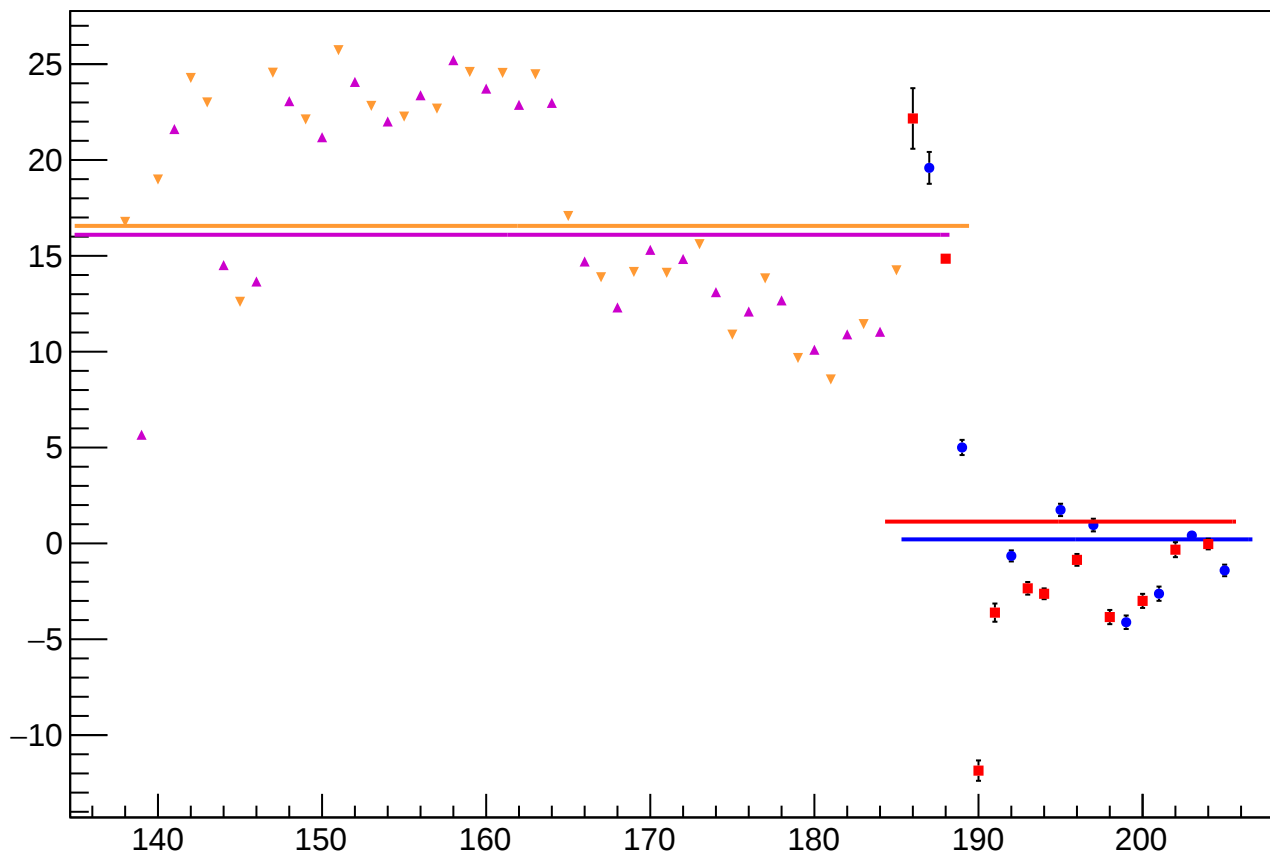
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.808 ± 0.024 χ^2/NDF : 13712.6/33

All: -4.865 ± 0.017 χ^2/NDF : 29042.9/67

- sign -4.920 ± 0.024 χ^2/NDF : 15319.7/33

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.210 ± 0.112 $\chi^2/\text{NDF}: 964.9/8$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 1.137 ± 0.104 $\chi^2/\text{NDF}: 4981.5/10$

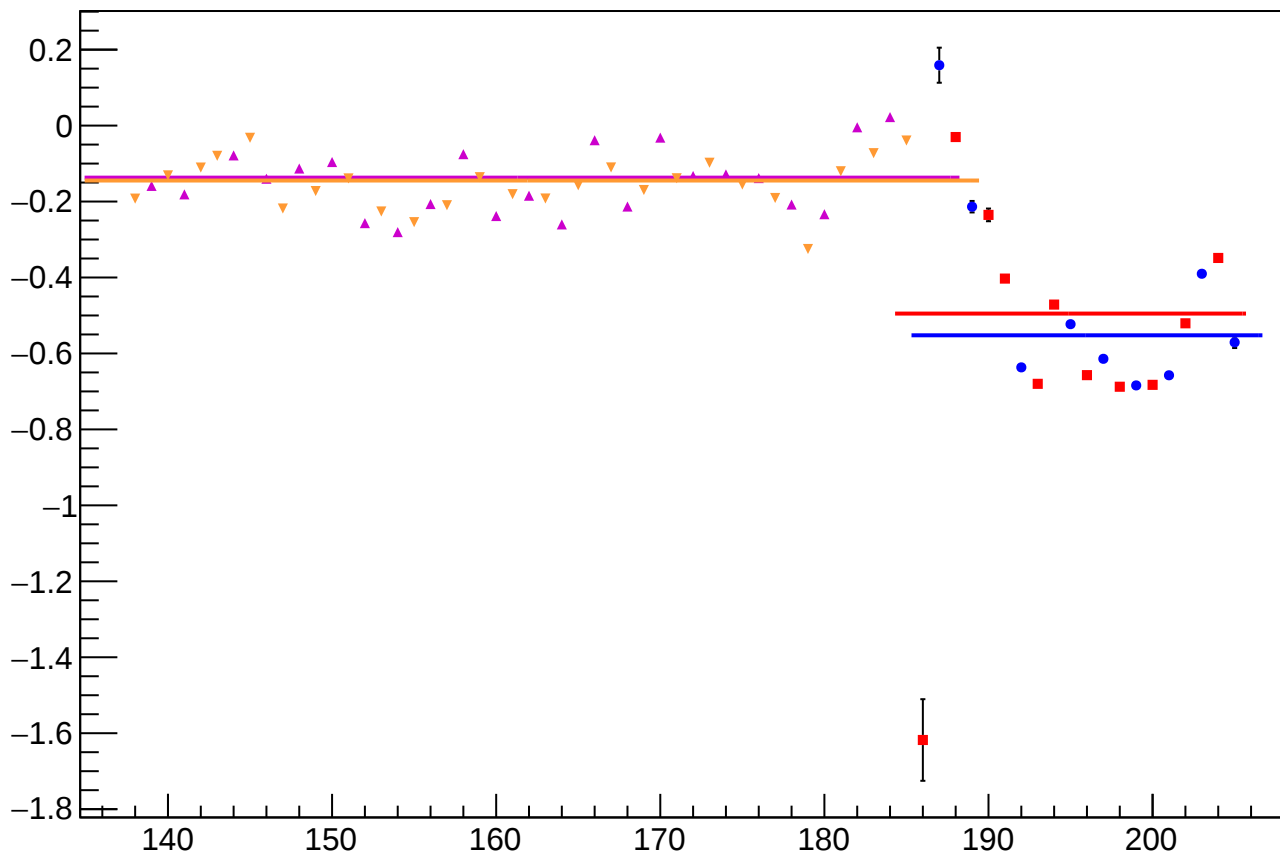
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 15.894 ± 0.023 $\chi^2/\text{NDF}: 75238.6/33$

All: 15.632 ± 0.016 $\chi^2/\text{NDF}: 142651.7/67$

- sign 15.363 ± 0.023 $\chi^2/\text{NDF}: 67142.6/33$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.552 $\pm$ 0.004 χ^2 /NDF: 1418.8/8

Left Out: -0.145 $\pm$ 0.001 χ^2 /NDF: 3769.7/24

Right Out: -0.495 $\pm$ 0.003 χ^2 /NDF: 3799.1/10

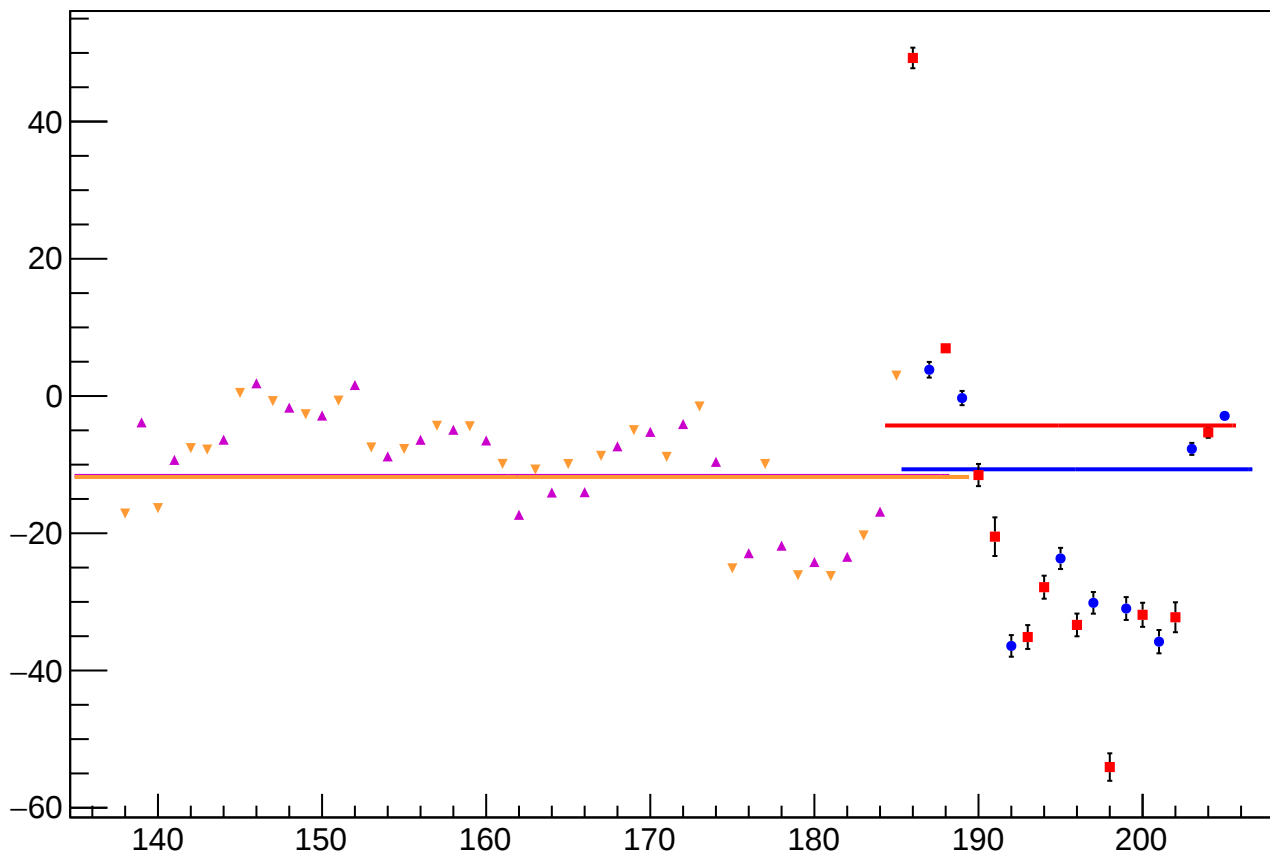
Left In: -0.137 $\pm$ 0.001 χ^2 /NDF: 5392.6/22

+ sign -0.174 $\pm$ 0.001 χ^2 /NDF: 16061.8/33

All: -0.172 $\pm$ 0.001 χ^2 /NDF: 35331.5/67

- sign -0.169 $\pm$ 0.001 χ^2 /NDF: 19258.0/33

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -10.678 ± 0.382 χ^2/NDF : 1246.5/8

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: -4.292 ± 0.357 χ^2/NDF : 3618.3/10

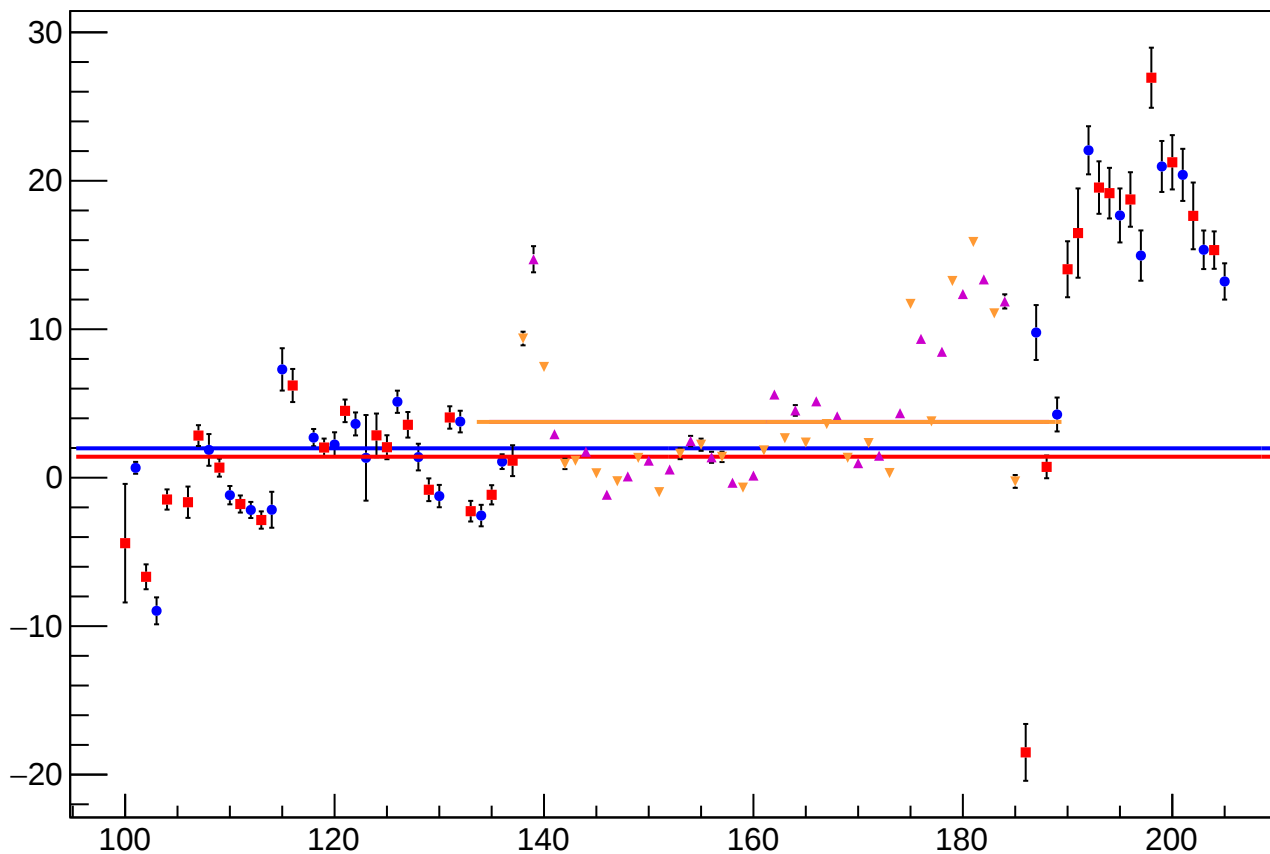
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.764 ± 0.069 χ^2/NDF : 18563.1/33

All: -11.564 ± 0.049 χ^2/NDF : 36727.8/67

- sign -11.358 ± 0.070 χ^2/NDF : 18147.6/33

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.979 ± 0.161 $\chi^2/\text{NDF}: 1089.4/25$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 1.413 ± 0.163 $\chi^2/\text{NDF}: 1252.0/29$

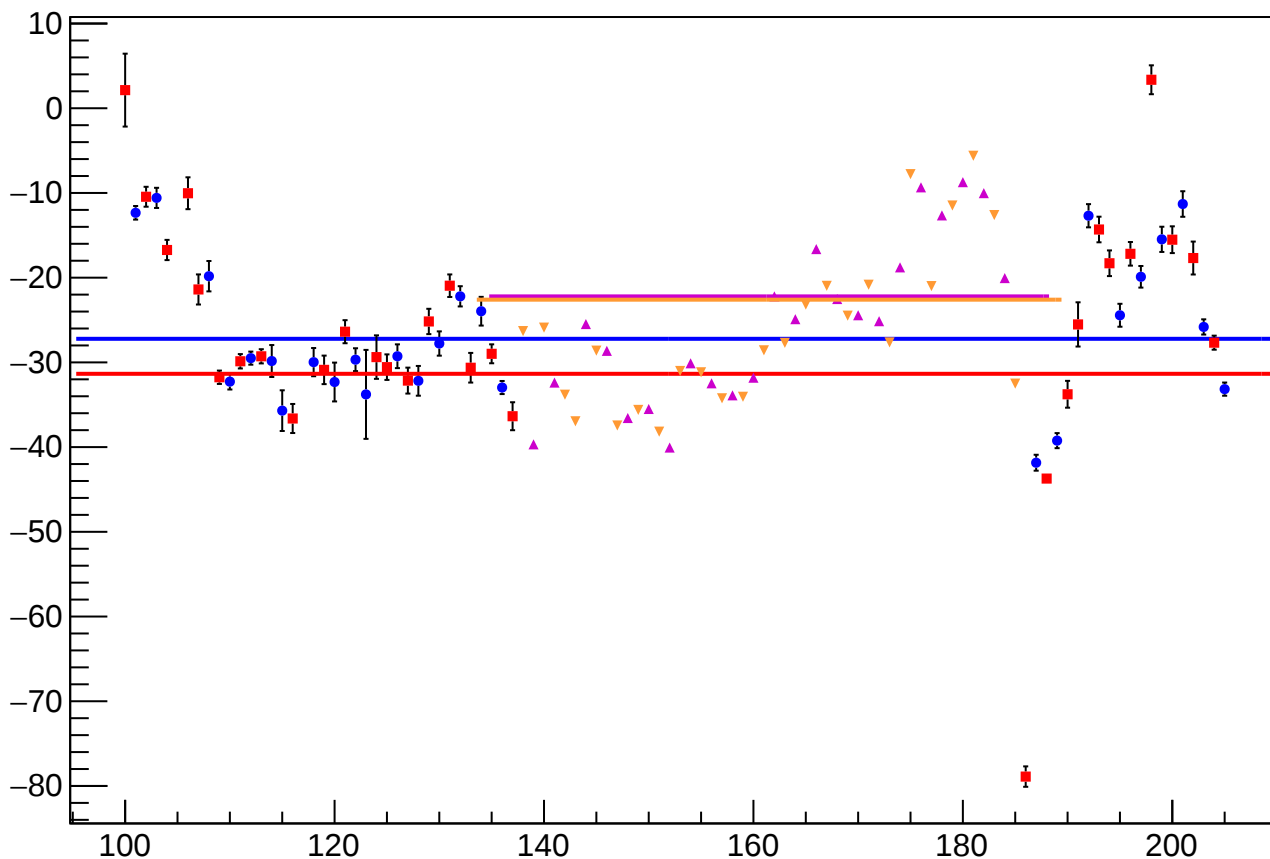
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.568 ± 0.052 $\chi^2/\text{NDF}: 8648.6/50$

All: 3.538 ± 0.037 $\chi^2/\text{NDF}: 15714.2/103$

- sign 3.506 ± 0.054 $\chi^2/\text{NDF}: 7064.9/52$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -27.217 ± 0.230 χ^2/NDF : 1517.2/25

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -31.348 ± 0.215 χ^2/NDF : 4077.6/29

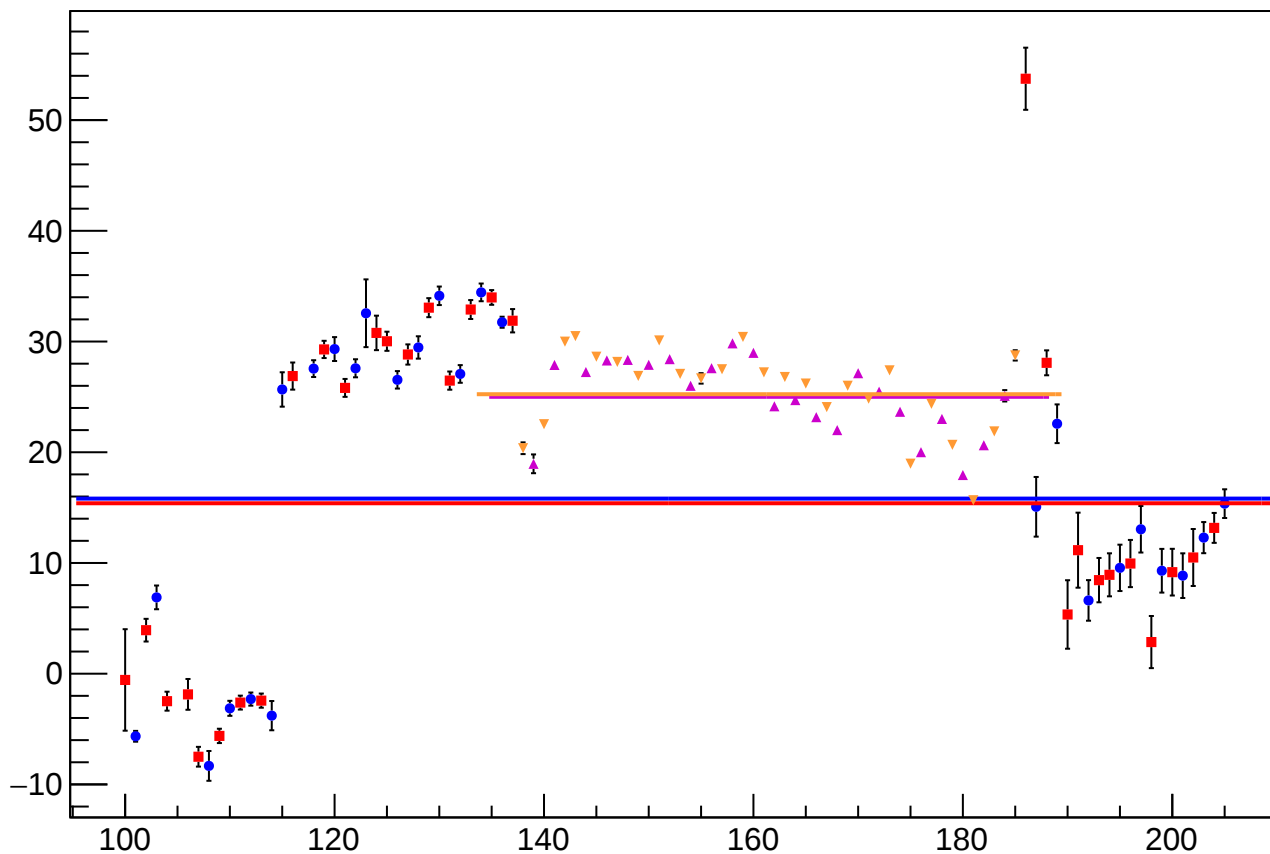
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.997 ± 0.068 χ^2/NDF : 21819.4/50

All: -23.059 ± 0.048 χ^2/NDF : 45154.8/103

- sign -23.123 ± 0.068 χ^2/NDF : 23333.7/52

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.814 $\pm$ 0.183 χ^2 /NDF: 7624.6/25

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.393 $\pm$ 0.187 χ^2 /NDF: 7660.8/29

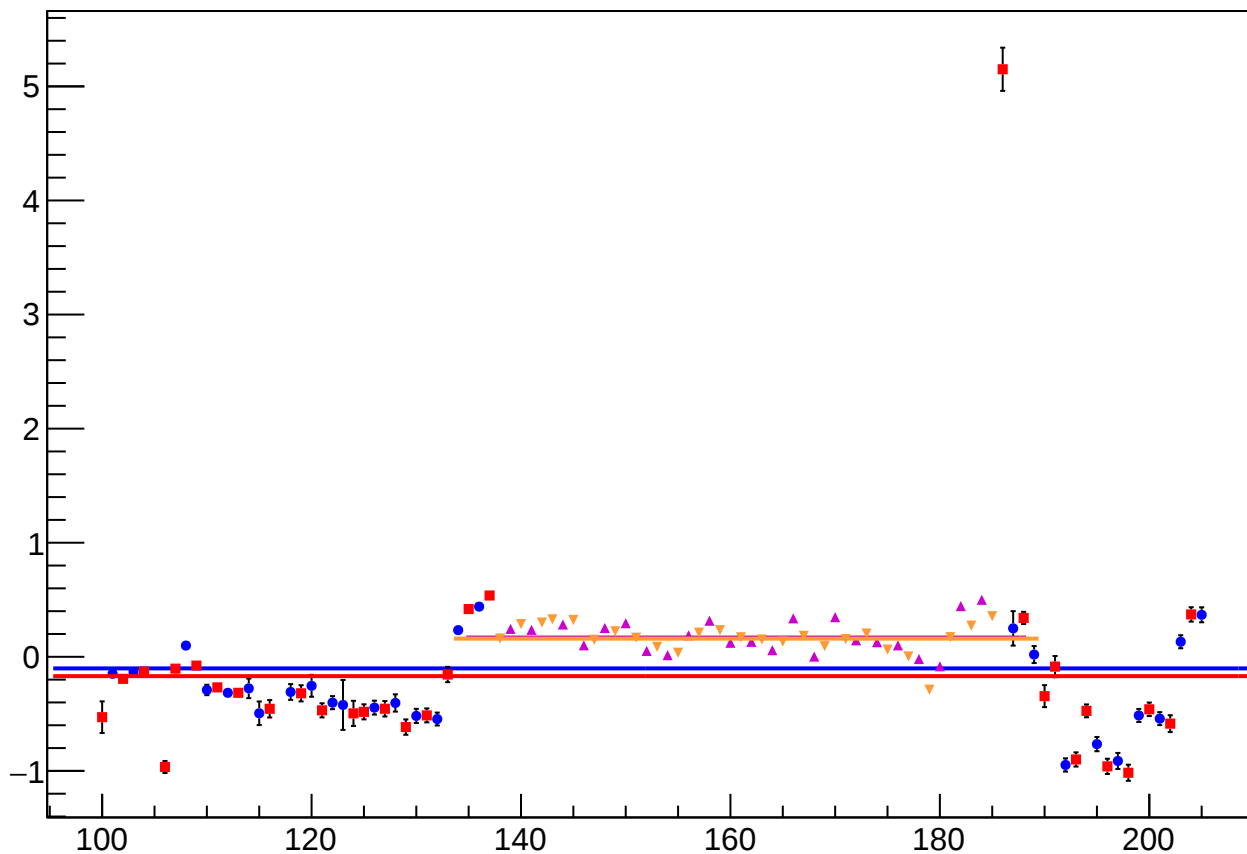
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.254 $\pm$ 0.059 χ^2 /NDF: 13784.9/50

All: 24.132 $\pm$ 0.042 χ^2 /NDF: 26546.3/103

- sign 24.004 $\pm$ 0.060 χ^2 /NDF: 12752.6/52

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.102 ± 0.009 χ^2/NDF : 1701.2/25

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.170 ± 0.009 χ^2/NDF : 2636.4/29

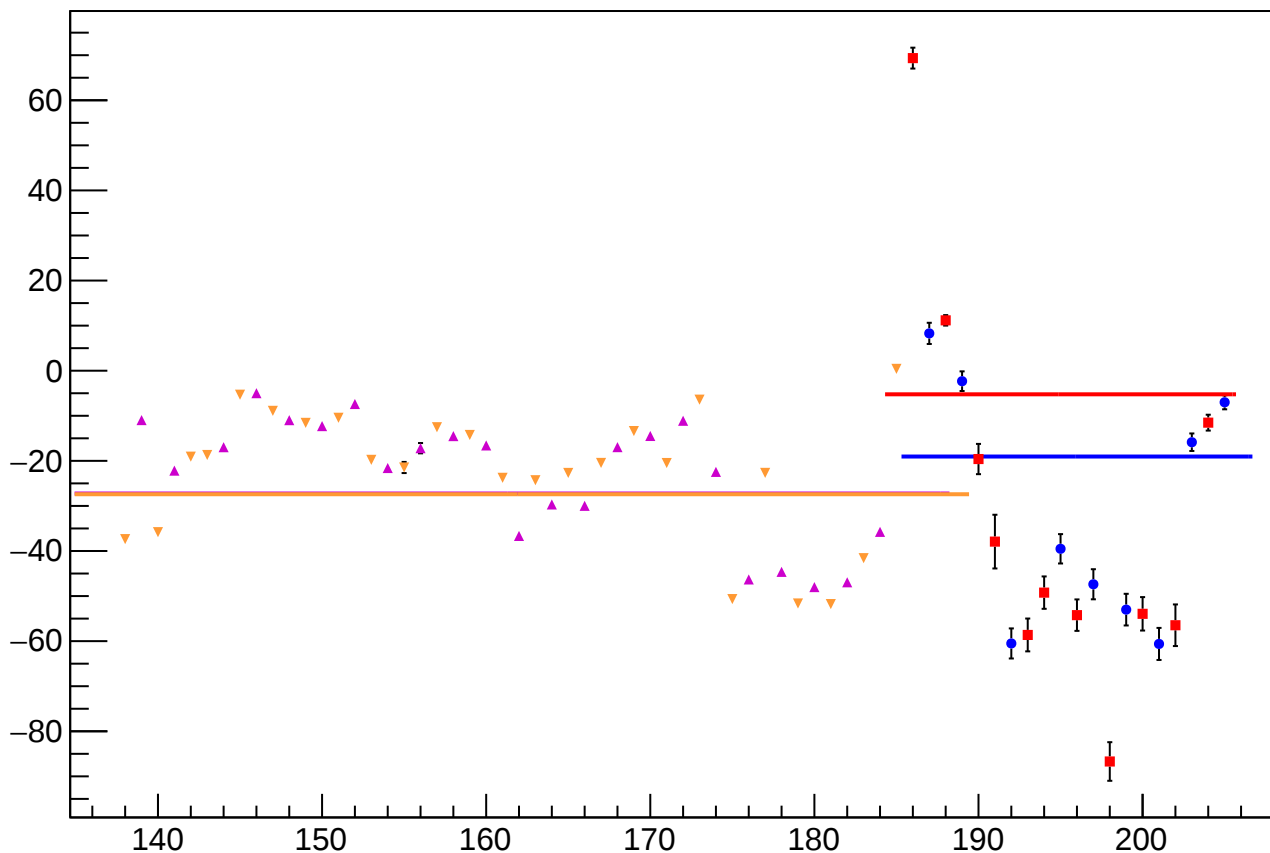
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.137 ± 0.003 χ^2/NDF : 4280.6/50

All: 0.138 ± 0.002 χ^2/NDF : 10544.4/103

- sign 0.139 ± 0.003 χ^2/NDF : 6263.7/52

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -19.041 ± 0.816 χ^2/NDF : 752.4/8

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: -5.237 ± 0.750 χ^2/NDF : 2516.1/10

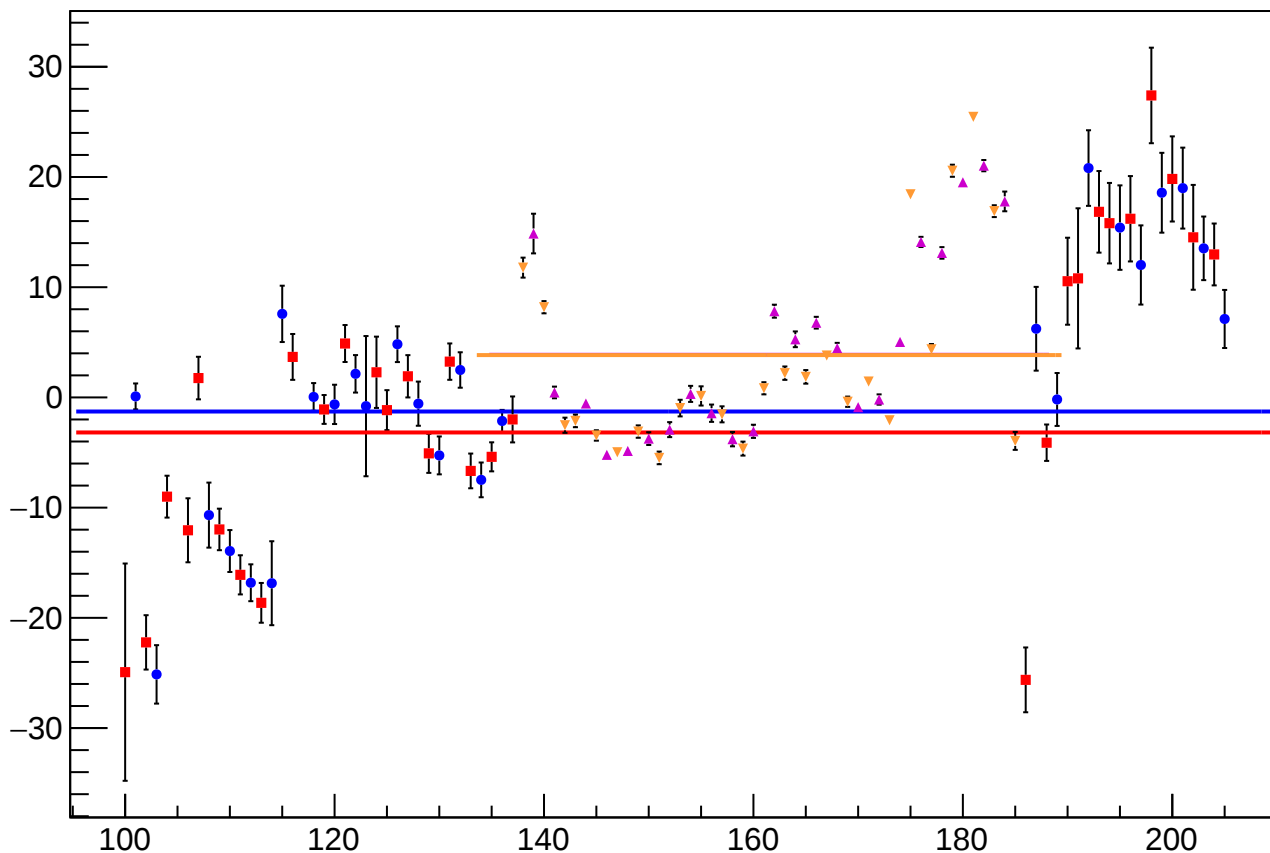
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -27.179 ± 0.135 χ^2/NDF : 15705.0/33

All: -26.849 ± 0.096 χ^2/NDF : 30370.2/67

- sign -26.509 ± 0.137 χ^2/NDF : 14653.0/33

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.384 $\chi^2/\text{NDF}: 473.7/25$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -3.180 ± 0.390 $\chi^2/\text{NDF}: 599.0/29$

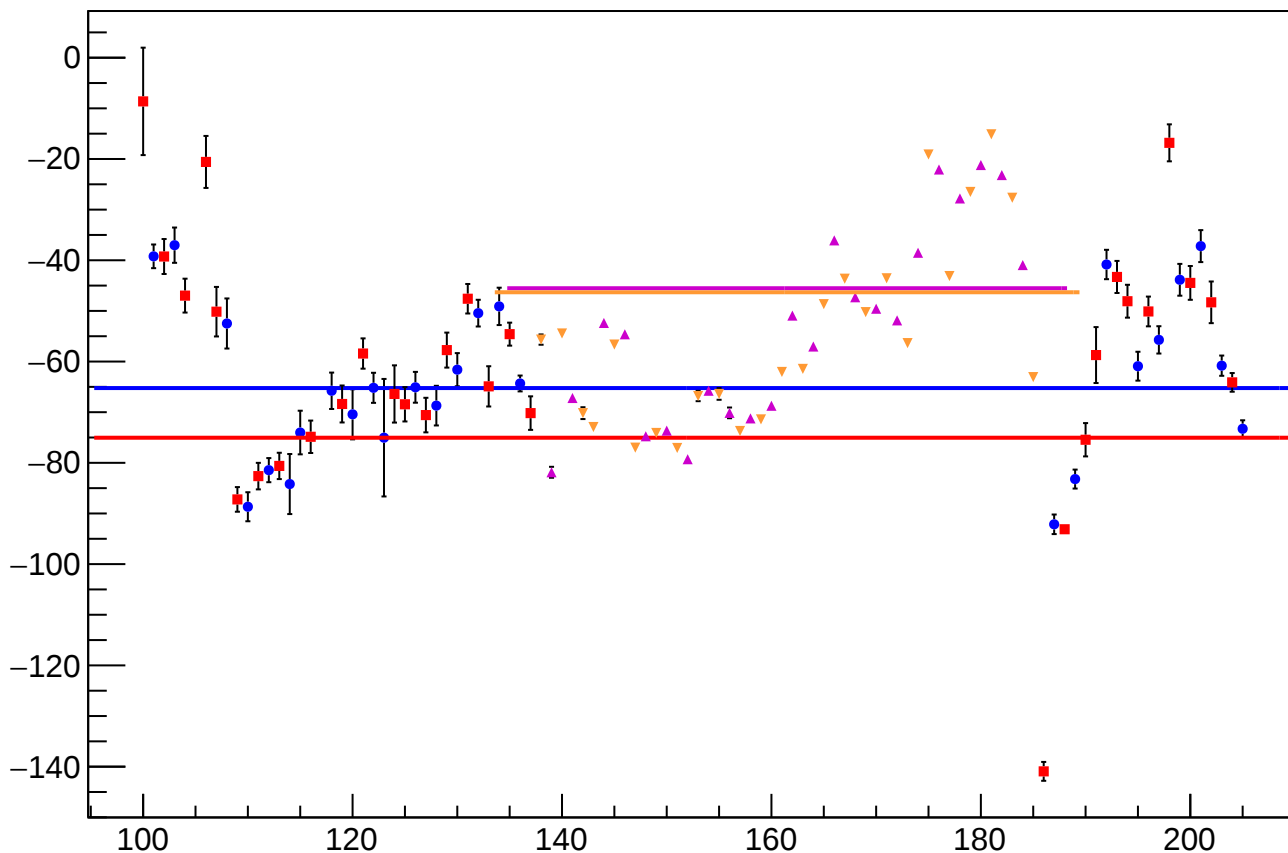
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.458 ± 0.105 $\chi^2/\text{NDF}: 7577.5/50$

All: 3.399 ± 0.075 $\chi^2/\text{NDF}: 13902.3/103$

- sign 3.337 ± 0.107 $\chi^2/\text{NDF}: 6324.2/52$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -65.235 ± 0.530 χ^2/NDF : 903.0/25

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -75.042 ± 0.491 χ^2/NDF : 2928.4/29

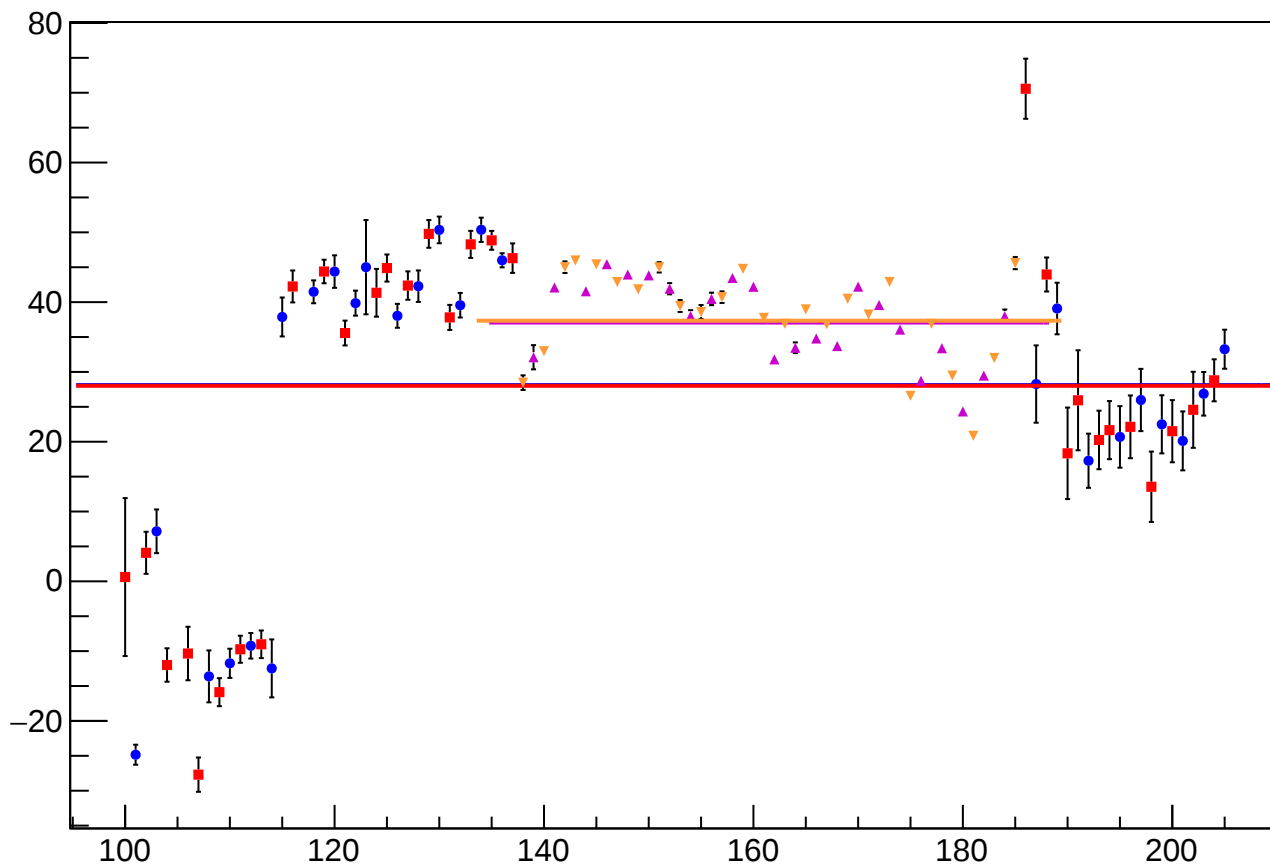
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.517 ± 0.133 χ^2/NDF : 22230.1/50

All: -47.624 ± 0.095 χ^2/NDF : 46026.7/103

- sign -47.732 ± 0.134 χ^2/NDF : 23795.3/52

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.111 $\pm$ 0.433 χ^2 /NDF: 3339.6/25

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.017 $\pm$ 0.447 χ^2 /NDF: 3194.1/29

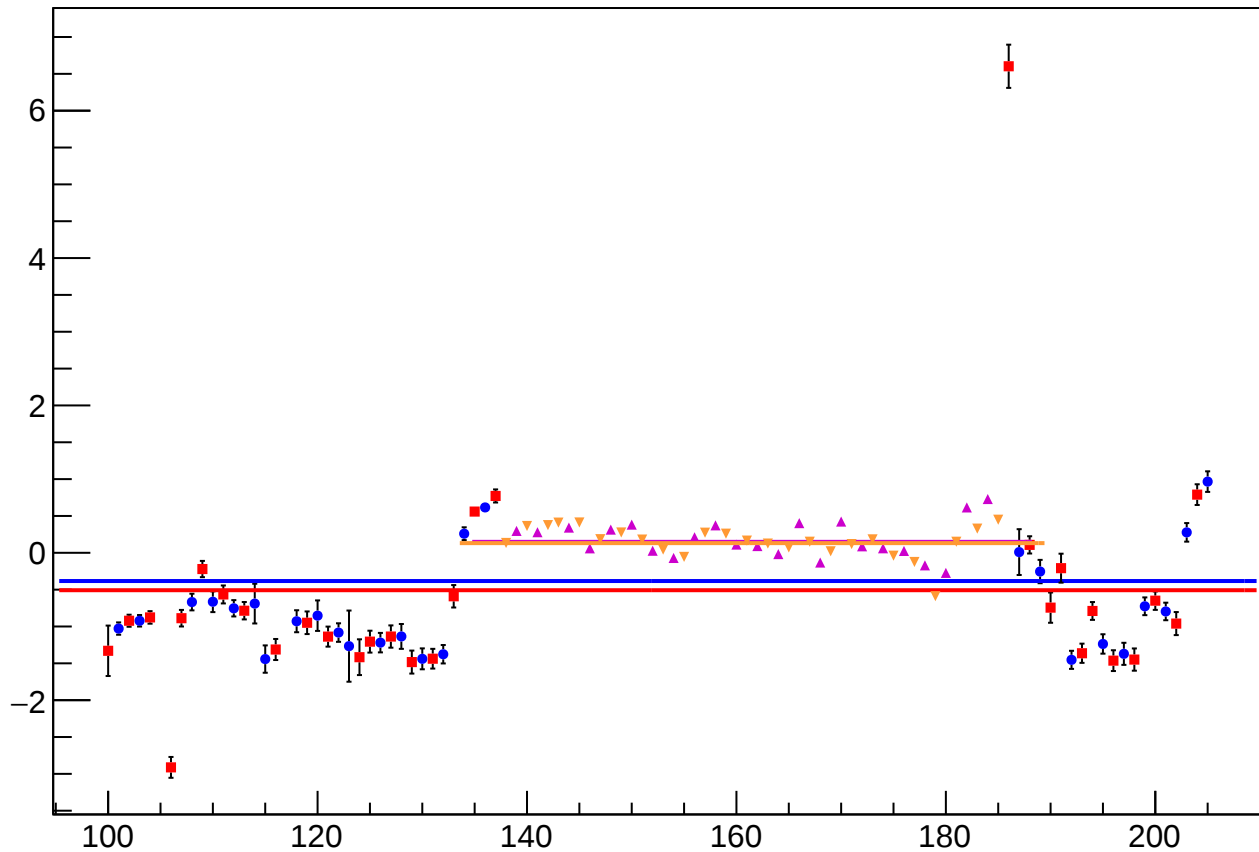
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.653 $\pm$ 0.118 χ^2 /NDF: 6908.6/50

All: 36.536 $\pm$ 0.084 χ^2 /NDF: 12883.0/103

- sign 36.414 $\pm$ 0.121 χ^2 /NDF: 5972.5/52

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.383 ± 0.022 χ^2/NDF : 1320.7/25

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.508 ± 0.022 χ^2/NDF : 2006.8/29

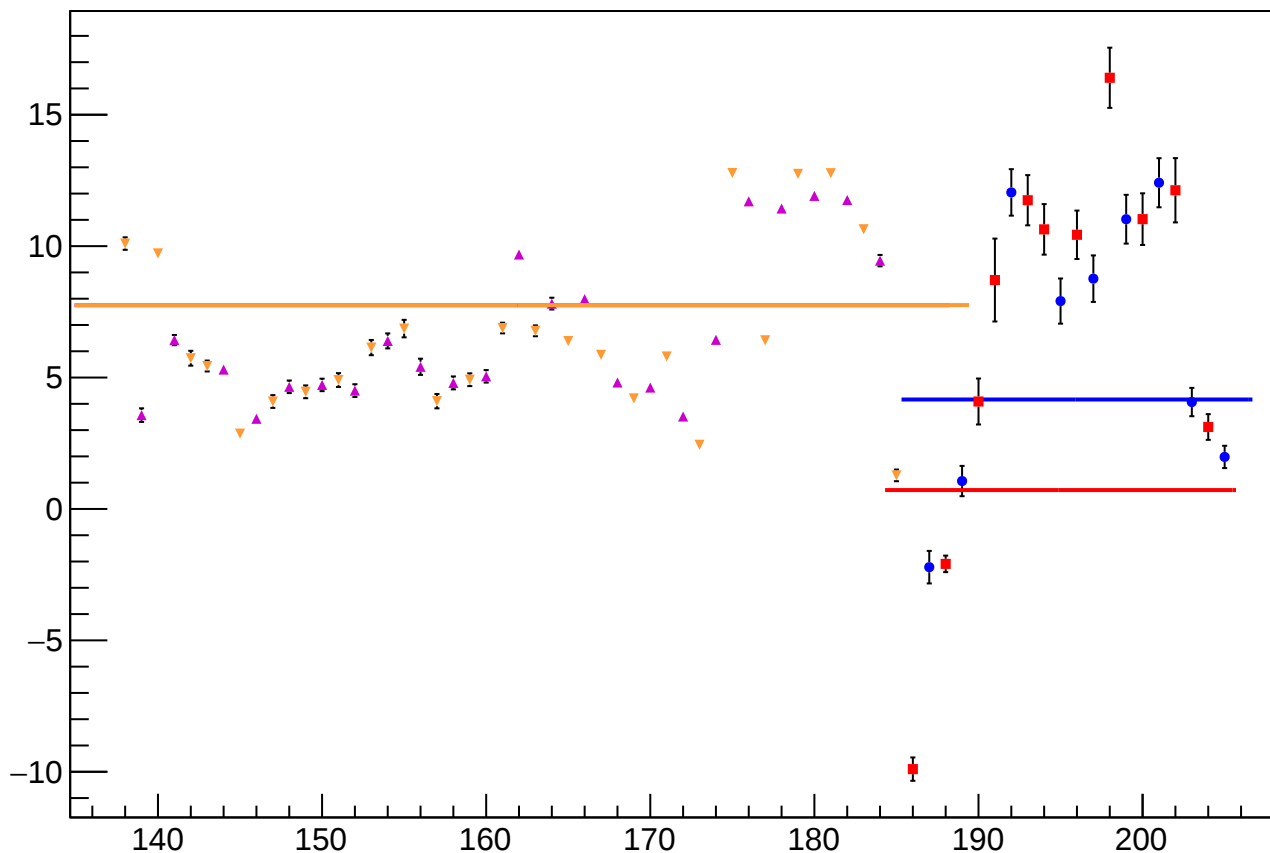
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.099 ± 0.005 χ^2/NDF : 3262.1/50

All: 0.104 ± 0.004 χ^2/NDF : 7888.2/103

- sign 0.108 ± 0.006 χ^2/NDF : 4624.9/52

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 4.165 $\pm$ 0.219 χ^2 /NDF: 419.7/8

Left Out: 7.757 $\pm$ 0.034 χ^2 /NDF:11728.6/24

Right Out: 0.719 $\pm$ 0.193 χ^2 /NDF: 1451.1/10

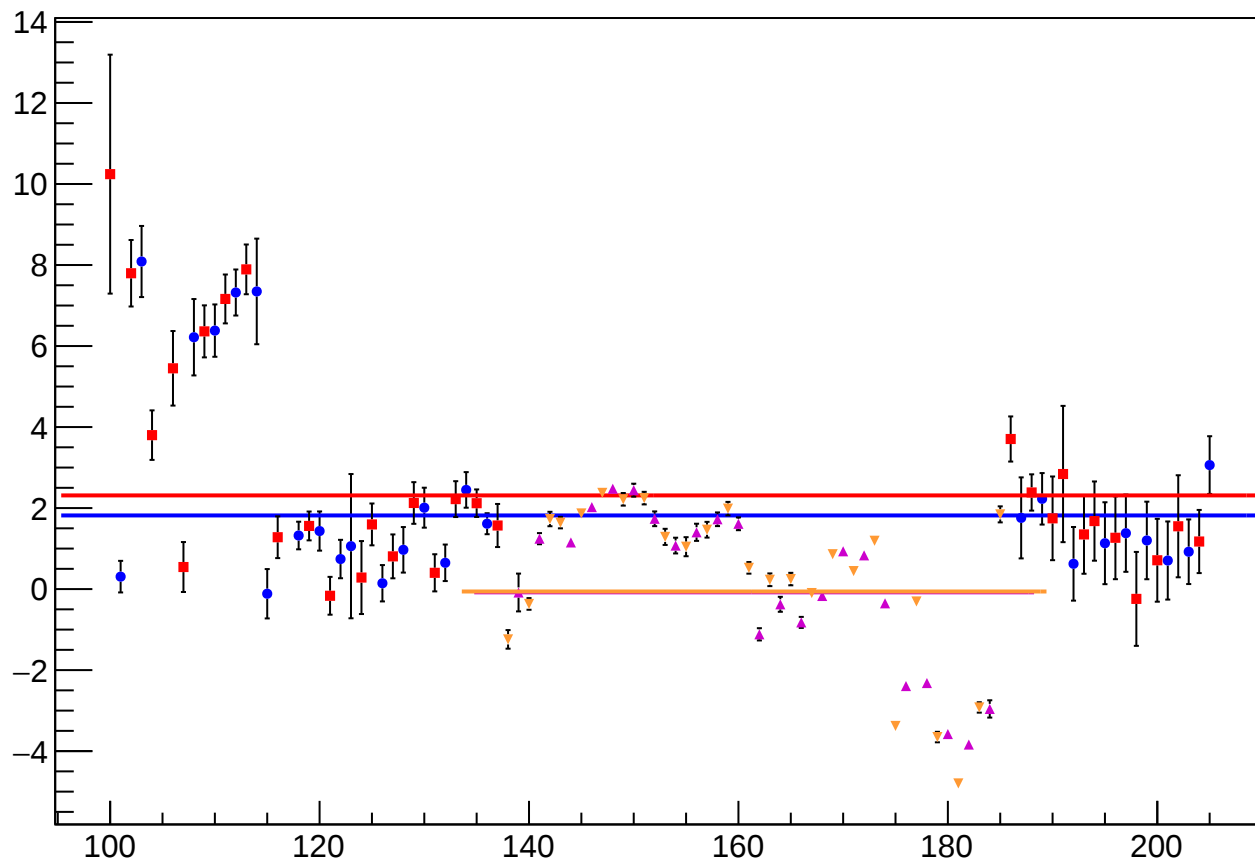
Left In: 7.753 $\pm$ 0.035 χ^2 /NDF:8345.2/22

+ sign 7.671 $\pm$ 0.034 χ^2 /NDF: 12410.6/33

All: 7.601 $\pm$ 0.024 χ^2 /NDF: 23503.1/67

- sign 7.528 $\pm$ 0.034 χ^2 /NDF: 11083.7/33

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.818 $\pm$ 0.108 χ^2 /NDF: 302.2/25

Left Out: -0.059 $\pm$ 0.028 χ^2 /NDF: 6068.8/24

Right Out: 2.312 $\pm$ 0.110 χ^2 /NDF: 354.7/29

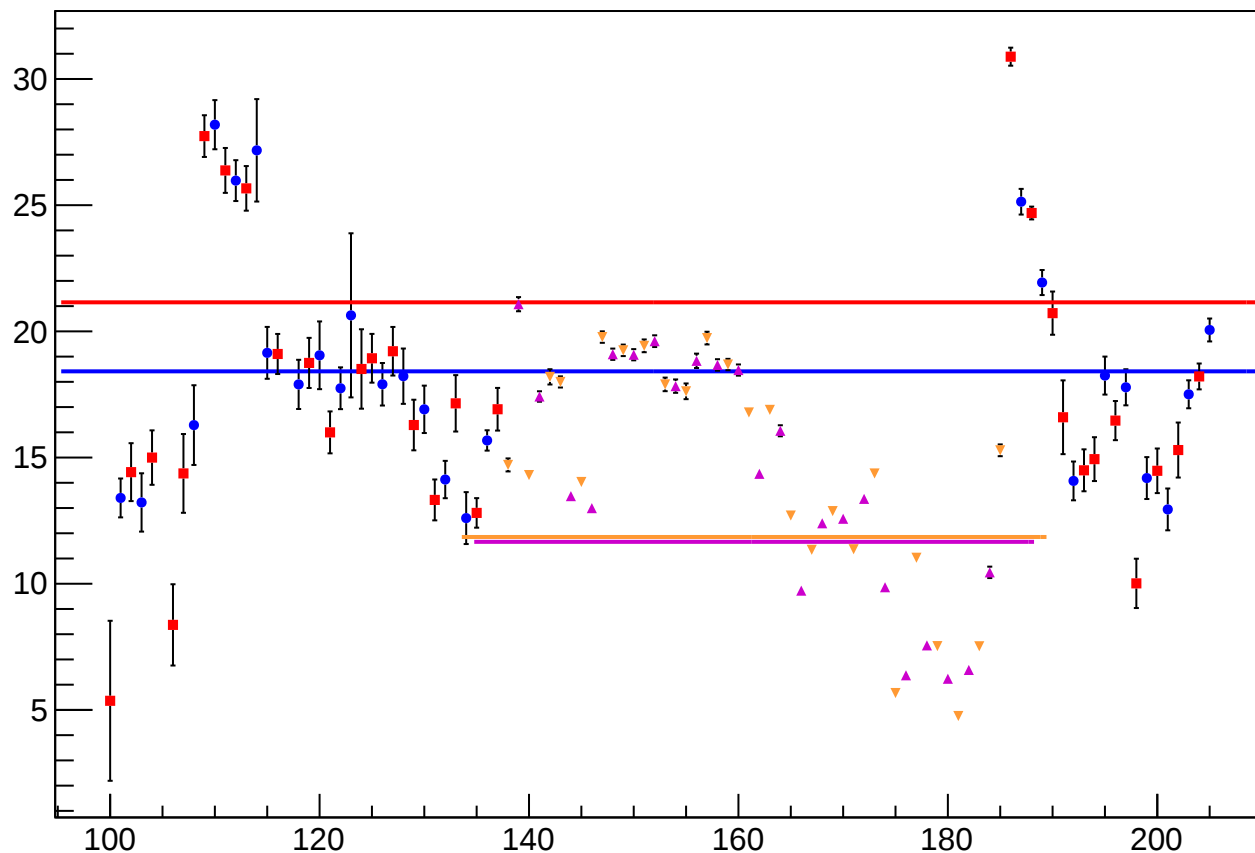
Left In: -0.080 $\pm$ 0.028 χ^2 /NDF: 4979.5/22

+ sign 0.056 $\pm$ 0.027 χ^2 /NDF: 6652.6/50

All: 0.062 $\pm$ 0.019 χ^2 /NDF: 12432.2/103

- sign 0.068 $\pm$ 0.027 χ^2 /NDF: 5779.5/52

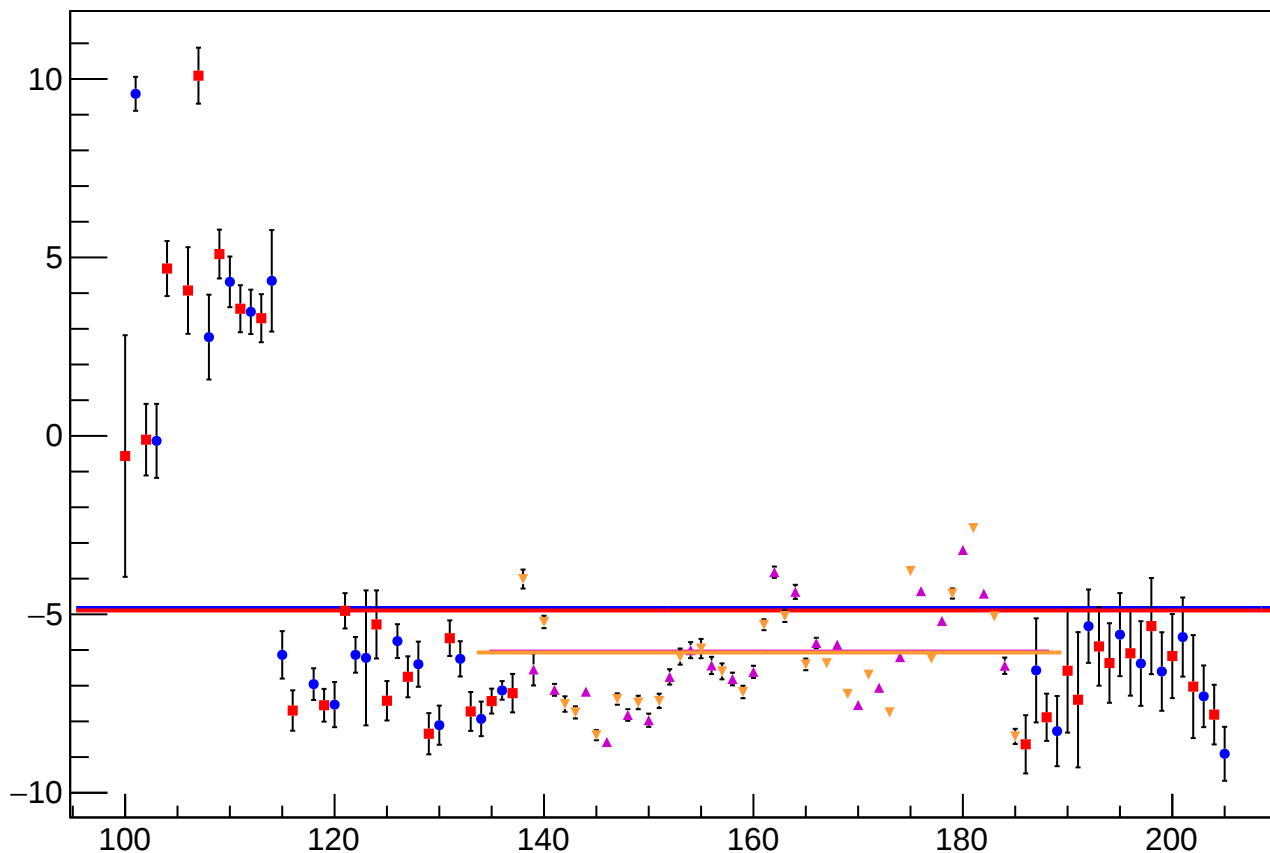
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.416 ± 0.147 $\chi^2/\text{NDF}: 730.6/25$
 Left Out: 11.853 ± 0.035 $\chi^2/\text{NDF}: 19149.4/24$
 Right Out: 21.150 ± 0.132 $\chi^2/\text{NDF}: 2067.3/29$
 Left In: 11.660 ± 0.035 $\chi^2/\text{NDF}: 16710.2/22$

+ sign 12.200 ± 0.034 $\chi^2/\text{NDF}: 21774.0/50$
 All: 12.244 ± 0.024 $\chi^2/\text{NDF}: 45380.2/103$
 - sign 12.290 ± 0.034 $\chi^2/\text{NDF}: 23602.7/52$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.823 ± 0.122 χ^2/NDF : 1645.7/25

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.891 ± 0.126 χ^2/NDF : 1414.0/29

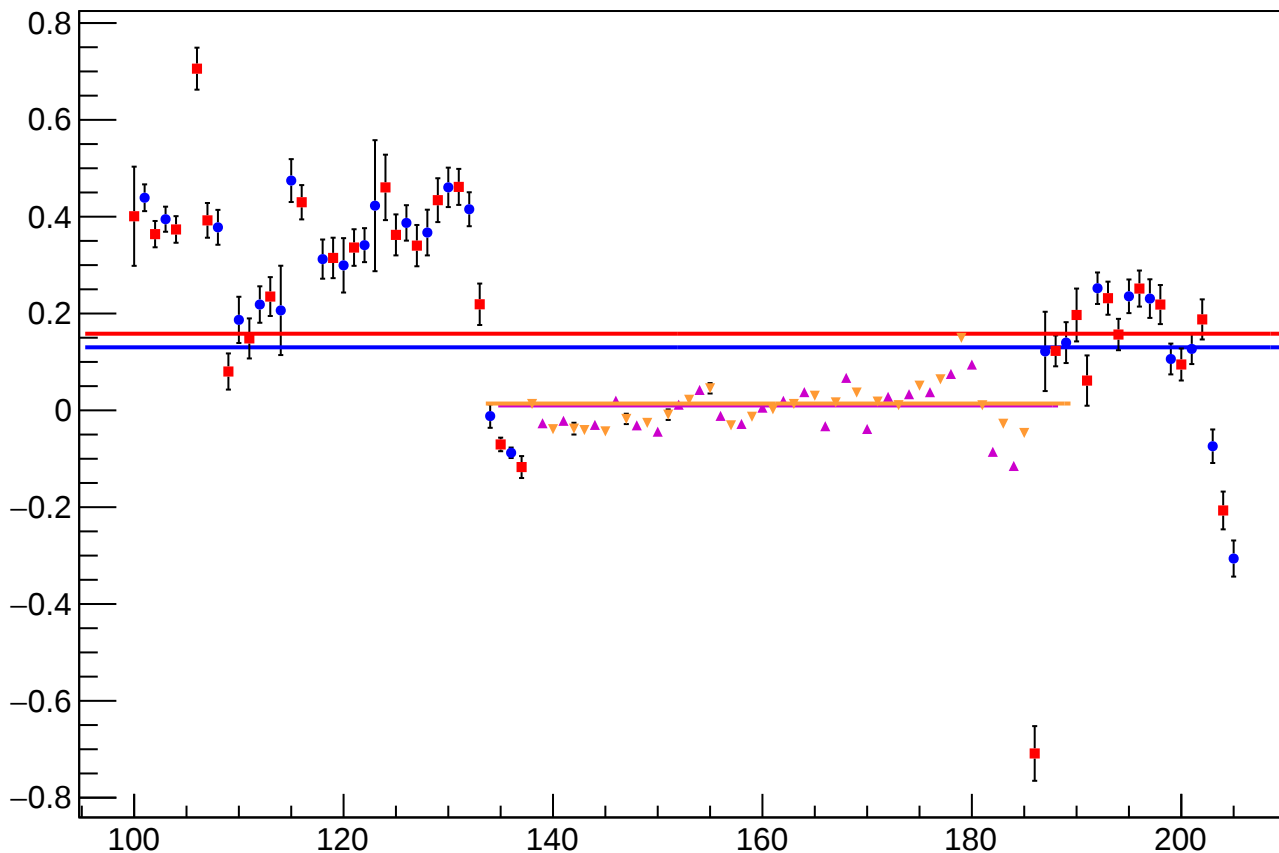
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.992 ± 0.030 χ^2/NDF : 4415.5/50

All: -5.984 ± 0.022 χ^2/NDF : 8202.3/103

- sign -5.976 ± 0.031 χ^2/NDF : 3786.7/52

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.130 $\pm$ 0.006 χ^2 /NDF: 1262.4/25

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 956.2/24

Right Out: 0.158 $\pm$ 0.006 χ^2 /NDF: 1355.8/29

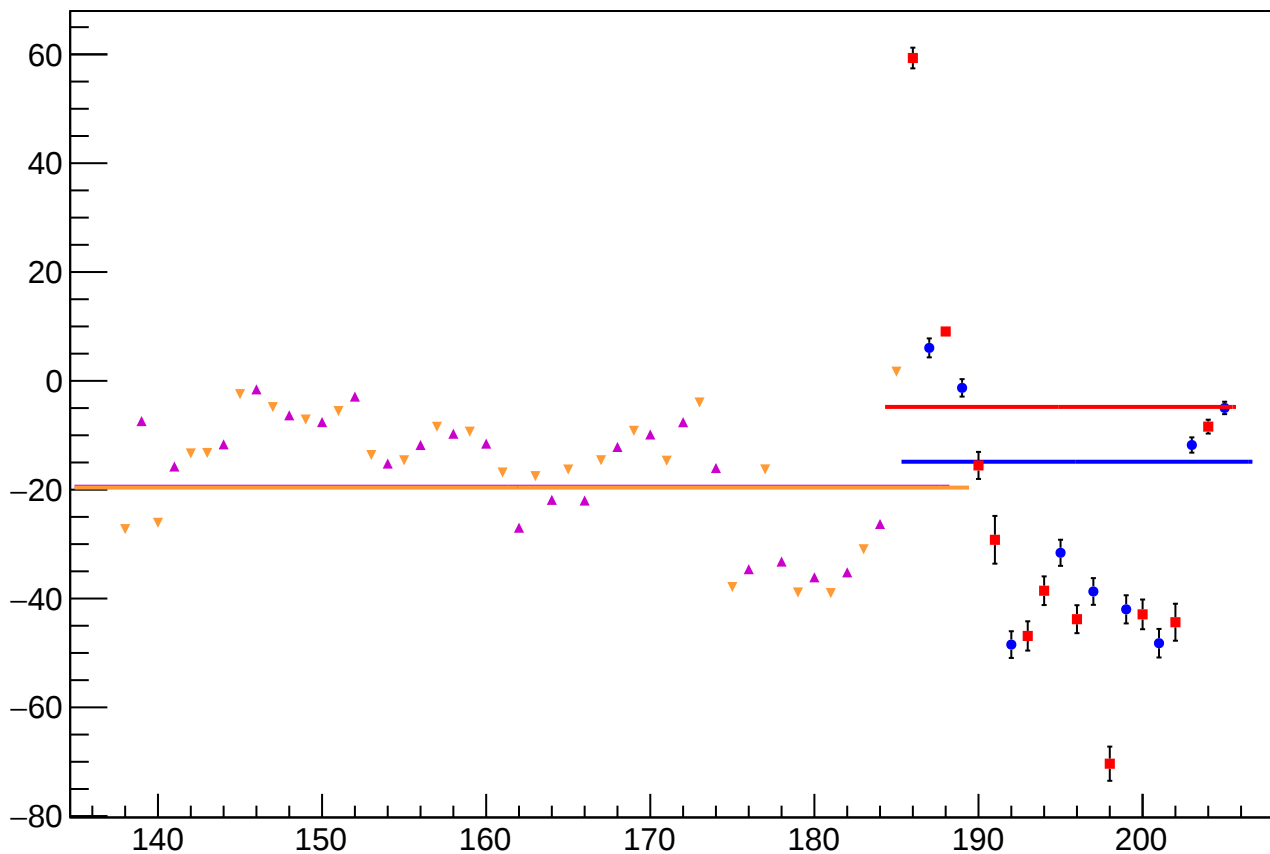
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.020 $\pm$ 0.001 χ^2 /NDF: 2559.6/50

All: 0.019 $\pm$ 0.001 χ^2 /NDF: 5664.1/103

- sign 0.018 $\pm$ 0.001 χ^2 /NDF: 3103.1/52

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -14.861 ± 0.598 $\chi^2/\text{NDF}: 897.3/8$

Left Out: -19.612 ± 0.103 $\chi^2/\text{NDF}: 15761.3/24$

Right Out: -4.786 ± 0.554 $\chi^2/\text{NDF}: 2868.8/10$

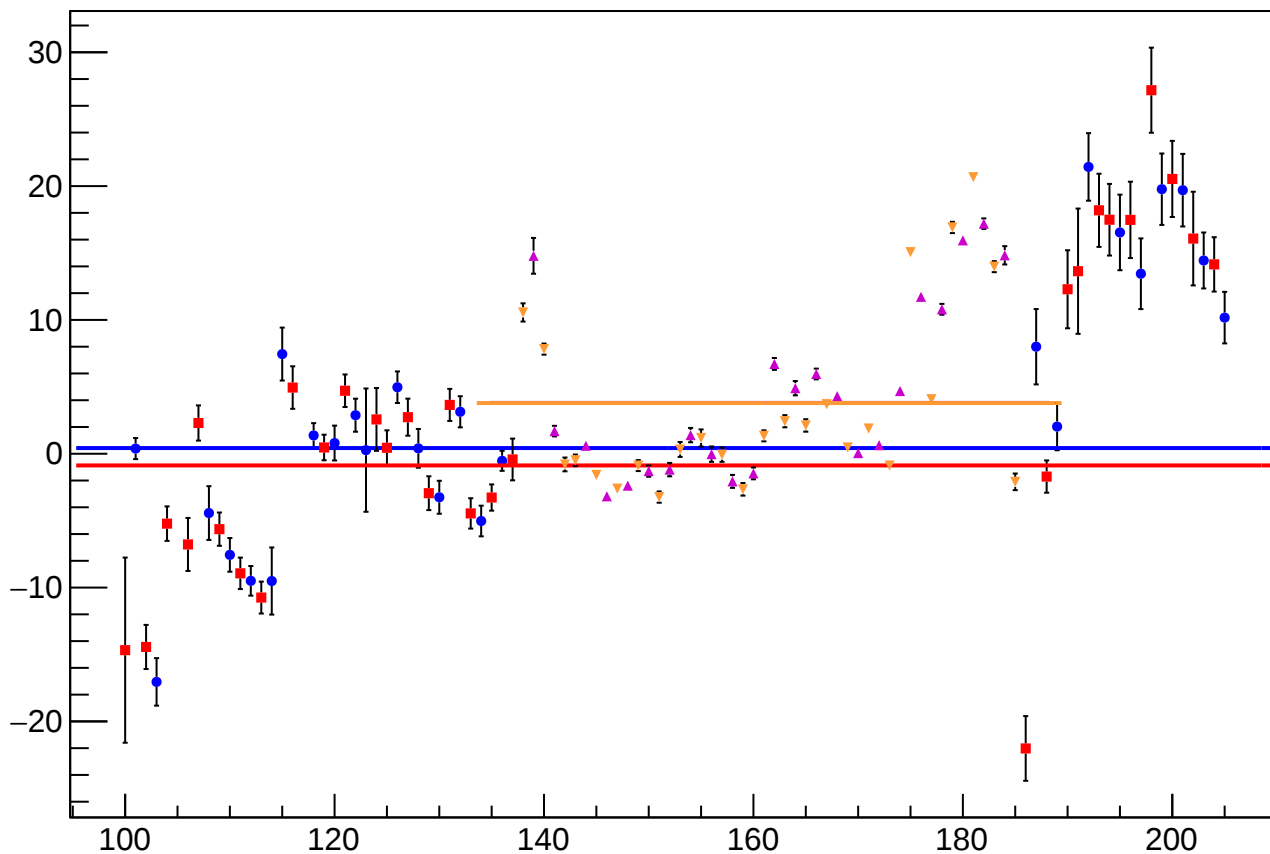
Left In: -19.450 ± 0.105 $\chi^2/\text{NDF}: 12283.1/22$

+ sign -19.475 ± 0.102 $\chi^2/\text{NDF}: 16719.8/33$

All: -19.212 ± 0.072 $\chi^2/\text{NDF}: 32560.7/67$

- sign -18.942 ± 0.103 $\chi^2/\text{NDF}: 15827.3/33$

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.426 $\pm$ 0.274 χ^2 /NDF: 618.1/25

Left Out: 3.788 $\pm$ 0.082 χ^2 /NDF: 7150.5/24

Right Out: -0.873 $\pm$ 0.279 χ^2 /NDF: 764.2/29

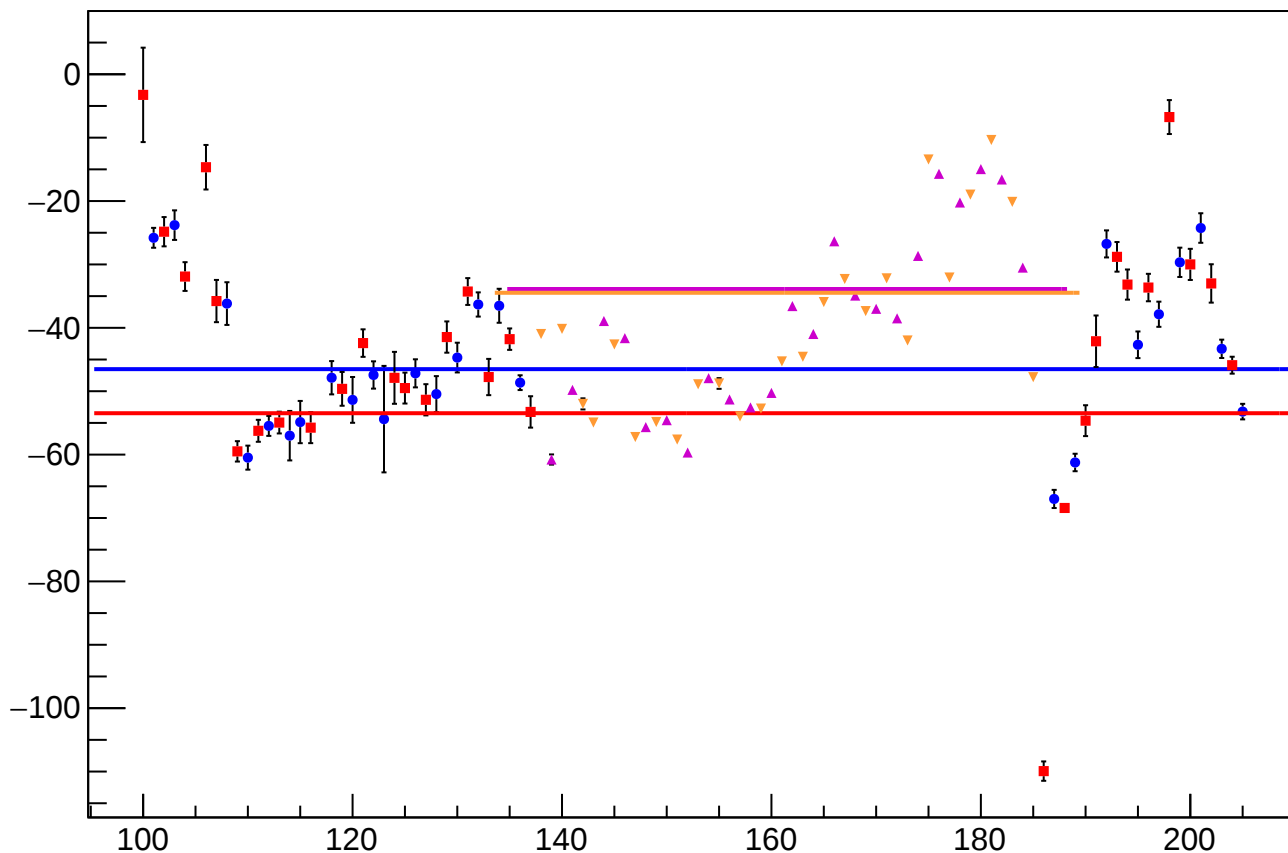
Left In: 3.799 $\pm$ 0.084 χ^2 /NDF: 5517.0/22

+ sign 3.512 $\pm$ 0.079 χ^2 /NDF: 7906.7/50

All: 3.463 $\pm$ 0.056 χ^2 /NDF: 14446.4/103

- sign 3.413 $\pm$ 0.080 χ^2 /NDF: 6539.0/52

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -46.518 ± 0.382 χ^2/NDF : 1036.2/25

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -53.471 ± 0.356 χ^2/NDF : 3242.0/29

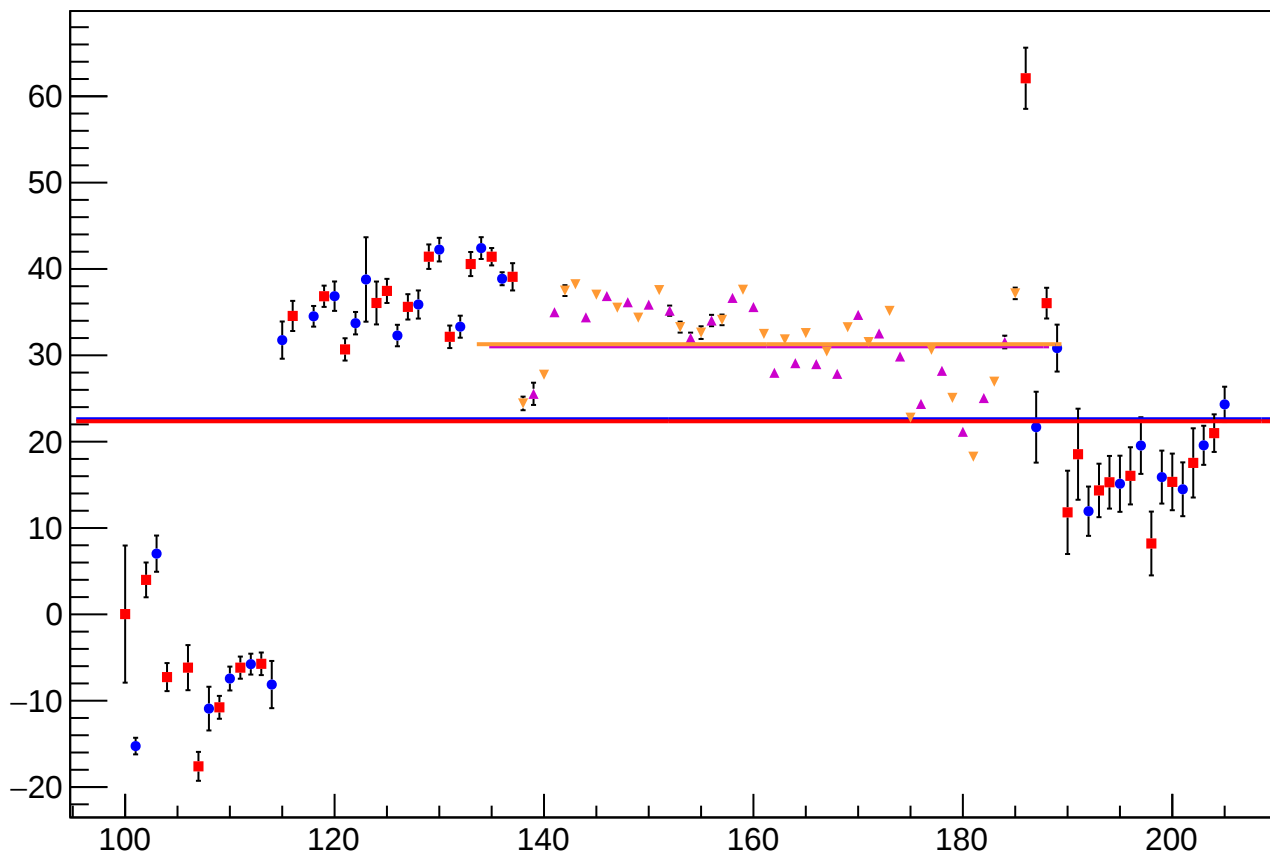
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.302 ± 0.100 χ^2/NDF : 22158.6/50

All: -35.377 ± 0.071 χ^2/NDF : 45832.9/103

- sign -35.454 ± 0.101 χ^2/NDF : 23673.1/52

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.598 $\pm$ 0.310 χ^2 /NDF: 4361.5/25

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.361 $\pm$ 0.319 χ^2 /NDF: 4257.5/29

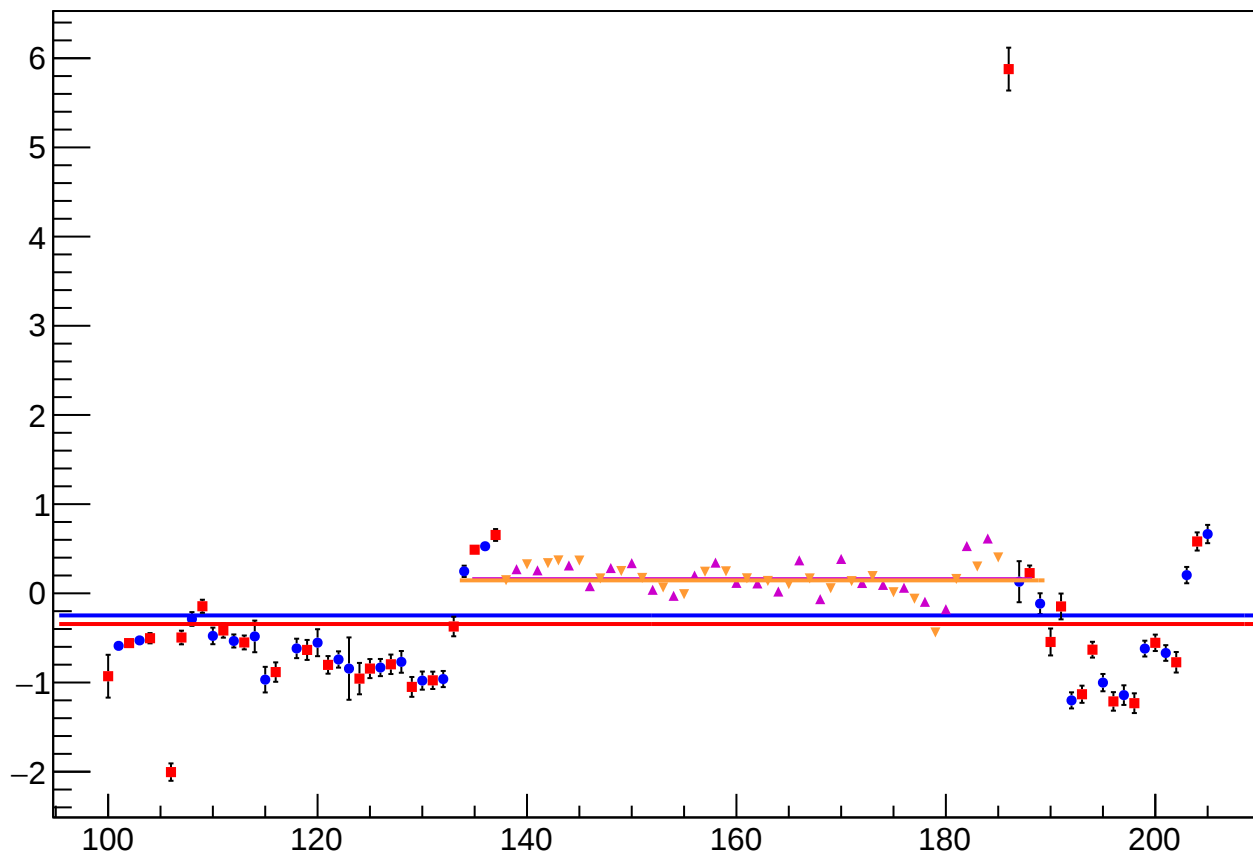
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.577 $\pm$ 0.089 χ^2 /NDF: 8428.9/50

All: 30.462 $\pm$ 0.063 χ^2 /NDF: 15851.3/103

- sign 30.342 $\pm$ 0.090 χ^2 /NDF: 7419.0/52

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.248 ± 0.016 χ^2/NDF : 1395.5/25

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.344 ± 0.016 χ^2/NDF : 2207.6/29

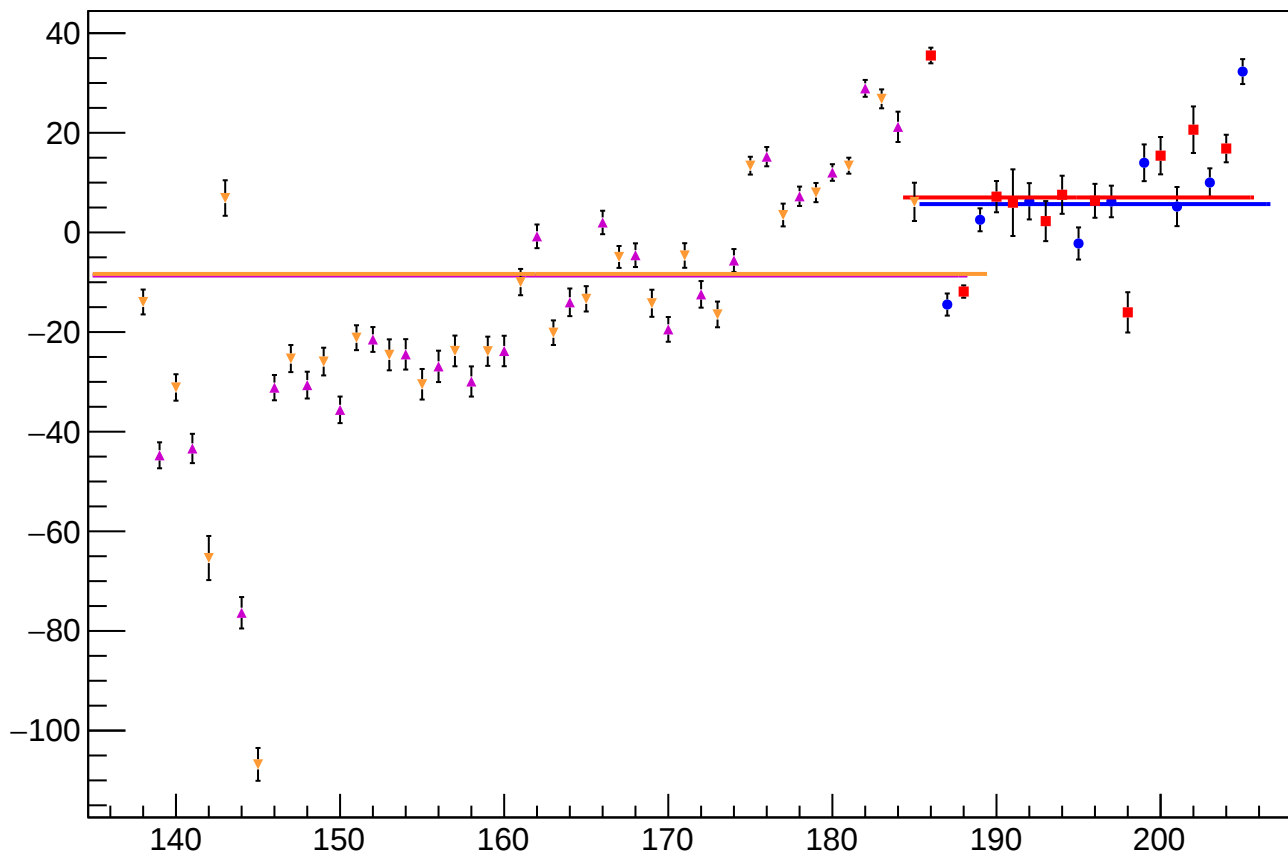
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.119 ± 0.004 χ^2/NDF : 3557.1/50

All: 0.122 ± 0.003 χ^2/NDF : 8708.9/103

- sign 0.124 ± 0.004 χ^2/NDF : 5150.9/52

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 5.689 ± 0.961 χ^2/NDF : 210.8/8

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 7.021 ± 0.766 χ^2/NDF : 621.6/10

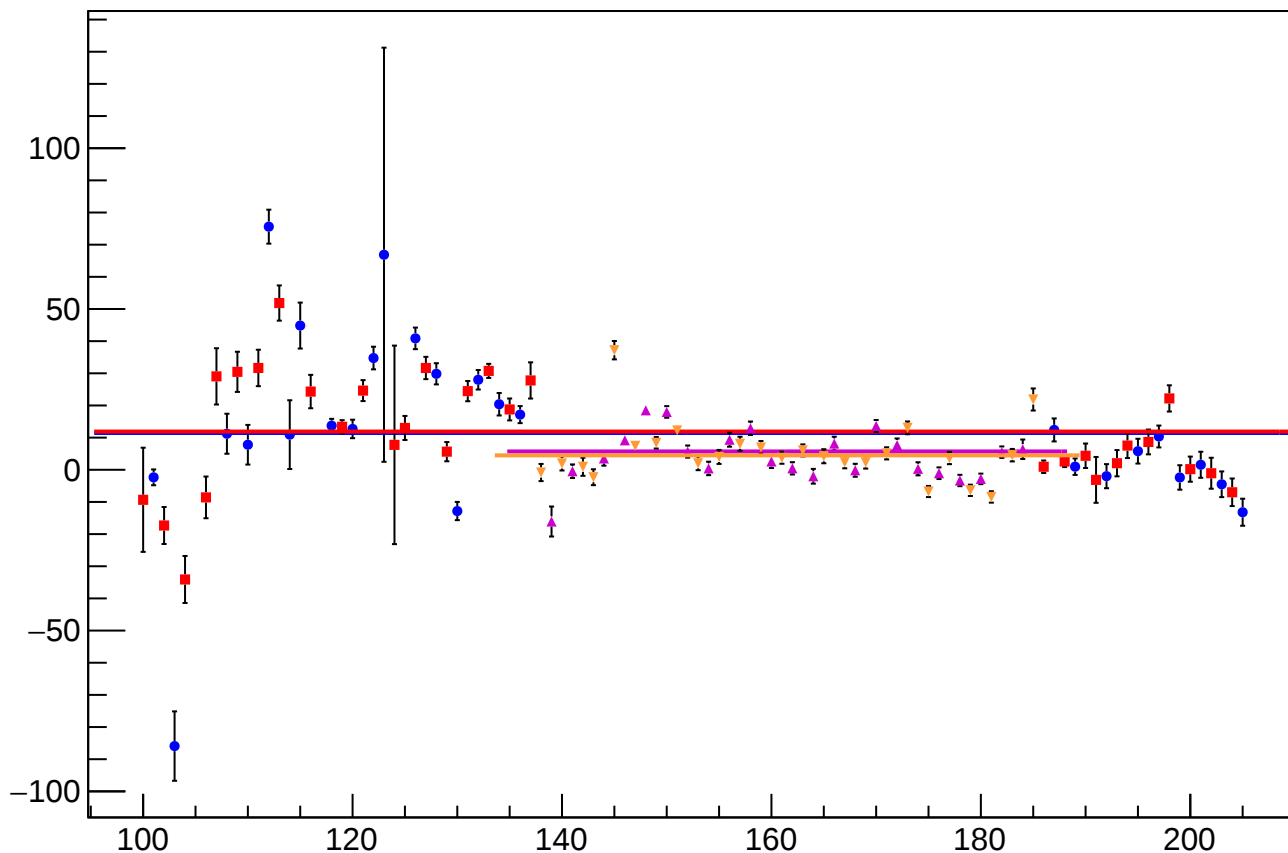
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -5.348 ± 0.443 χ^2/NDF : 2604.7/33

All: -4.574 ± 0.306 χ^2/NDF : 5747.2/67

- sign -3.871 ± 0.423 χ^2/NDF : 3136.7/33

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 11.449 ± 0.697 χ^2/NDF : 651.7/25

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 11.892 ± 0.653 χ^2/NDF : 434.7/29

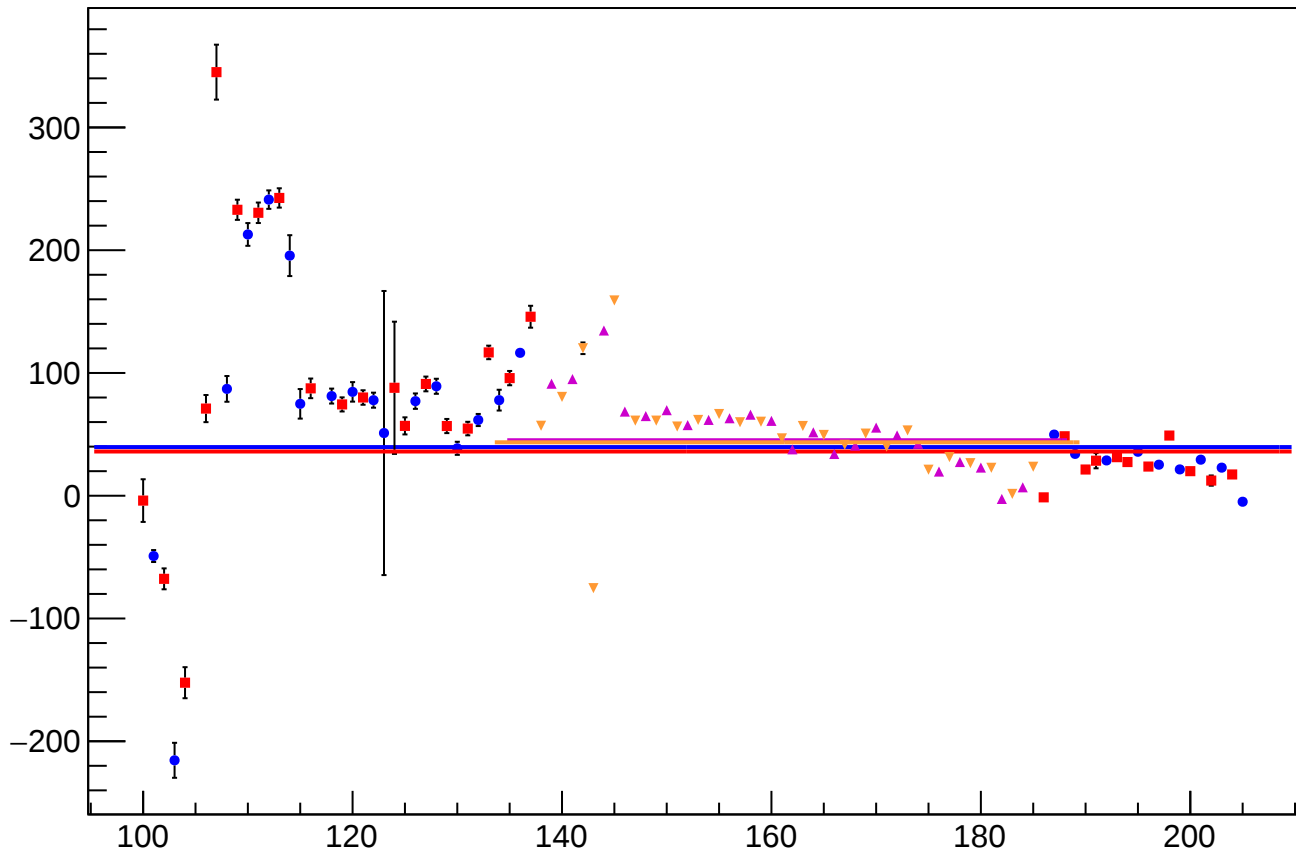
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 6.158 ± 0.342 χ^2/NDF : 1099.4/50

All: 6.785 ± 0.242 χ^2/NDF : 1929.8/103

- sign 7.418 ± 0.344 χ^2/NDF : 823.7/52

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 39.635 $\pm$ 0.756 χ^2 /NDF: 2883.1/25

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 36.029 $\pm$ 0.603 χ^2 /NDF: 4313.2/29

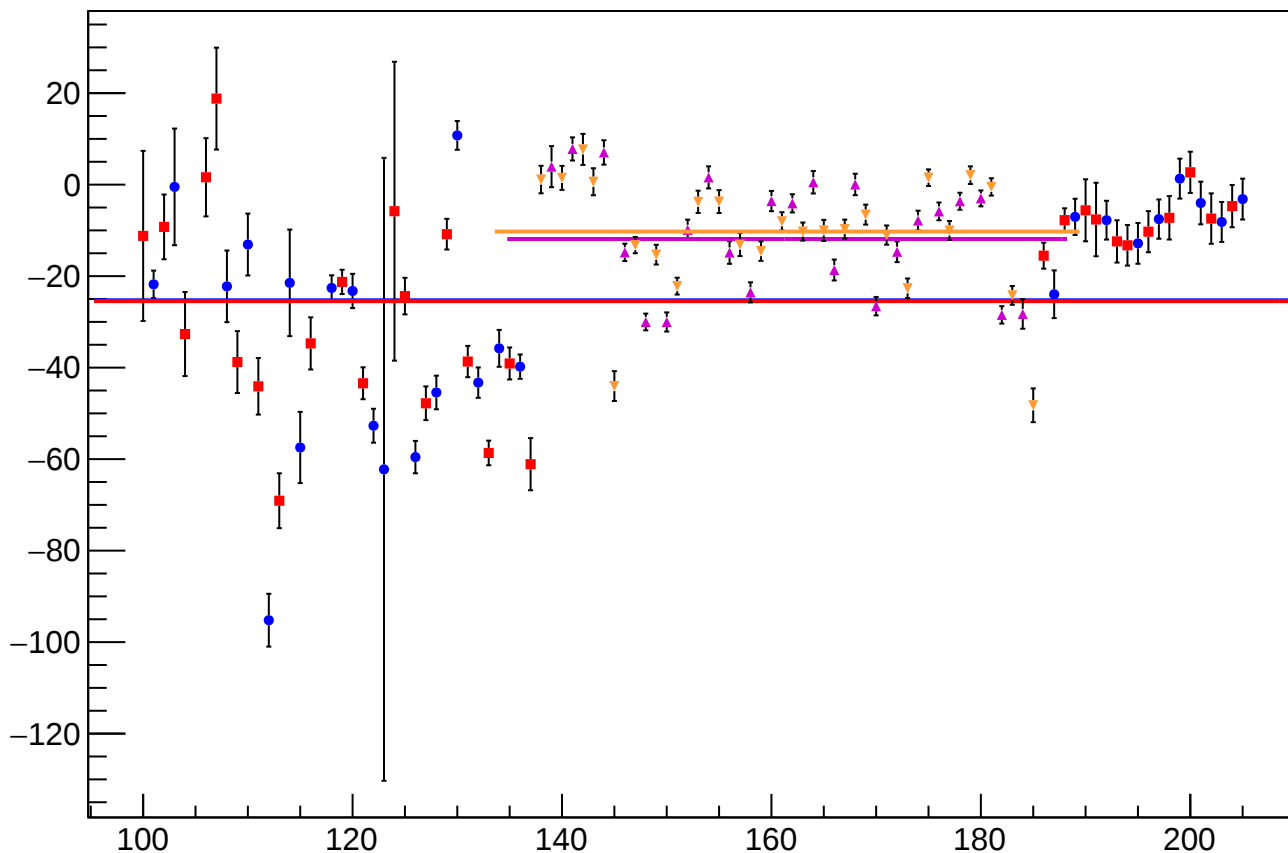
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 42.346 $\pm$ 0.416 χ^2 /NDF: 6732.3/50

All: 41.855 $\pm$ 0.283 χ^2 /NDF: 14233.0/103

- sign 41.431 $\pm$ 0.387 χ^2 /NDF: 7498.2/52

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -25.287 ± 0.818 χ^2/NDF : 711.0/25

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -25.457 ± 0.795 χ^2/NDF : 591.9/29

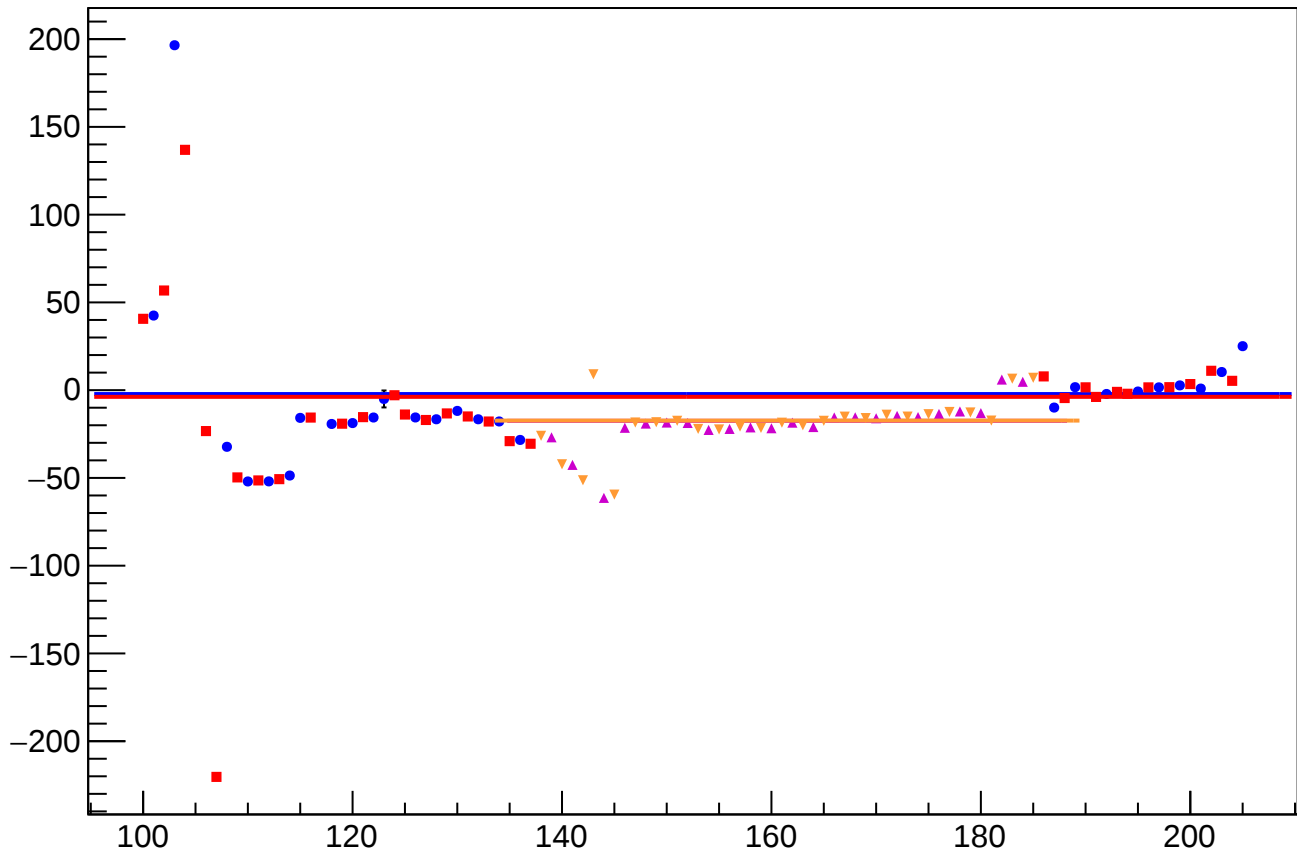
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.682 ± 0.390 χ^2/NDF : 1524.3/50

All: -14.449 ± 0.278 χ^2/NDF : 3009.7/103

- sign -15.238 ± 0.396 χ^2/NDF : 1477.6/52

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -2.220 ± 0.039 χ^2/NDF : 612805.5/25

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -3.804 ± 0.037 χ^2/NDF : 602313.4/29

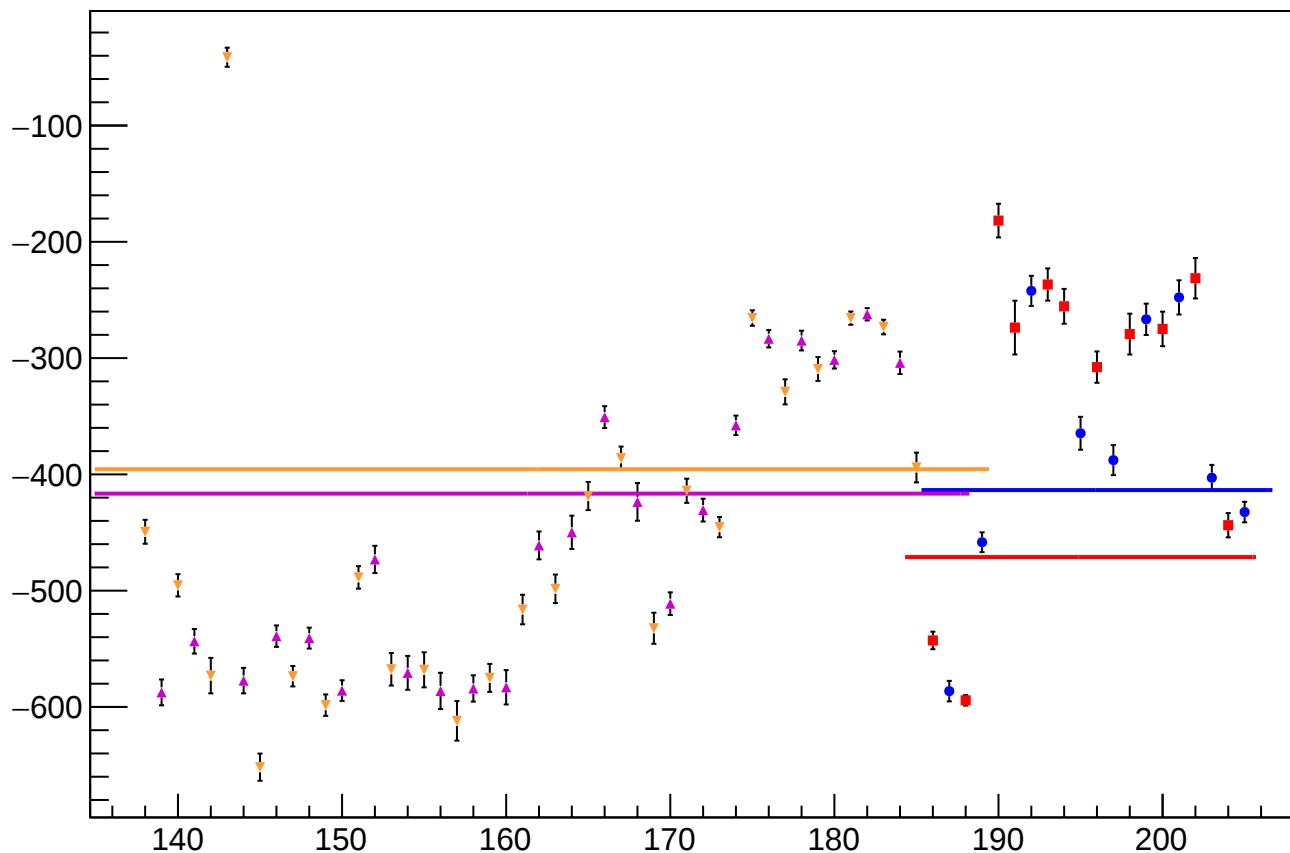
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -14.055 ± 0.018 χ^2/NDF : 1057009.2/50

All: -14.160 ± 0.013 χ^2/NDF : 2021869.4/103

- sign -14.266 ± 0.018 χ^2/NDF : 964792.4/52

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -413.489 ± 3.658 χ^2/NDF : 854.8/8

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -471.100 ± 3.025 χ^2/NDF : 2447.4/10

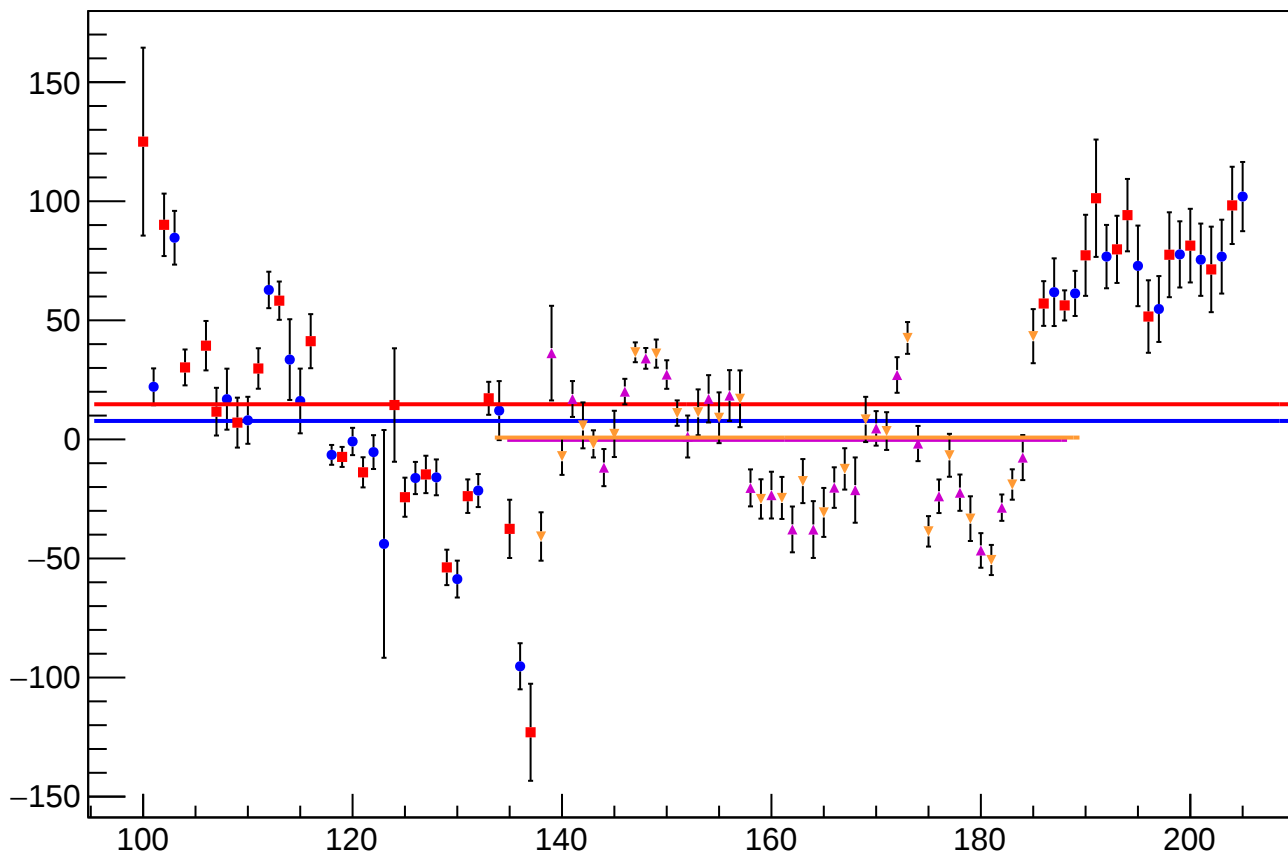
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -399.528 ± 1.723 χ^2/NDF : 6820.1/33

All: -416.869 ± 1.200 χ^2/NDF : 13607.1/67

- sign -433.177 ± 1.671 χ^2/NDF : 6590.6/33

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 7.747 ± 1.772 $\chi^2/\text{NDF}: 557.2/25$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 14.756 ± 1.711 $\chi^2/\text{NDF}: 563.9/29$

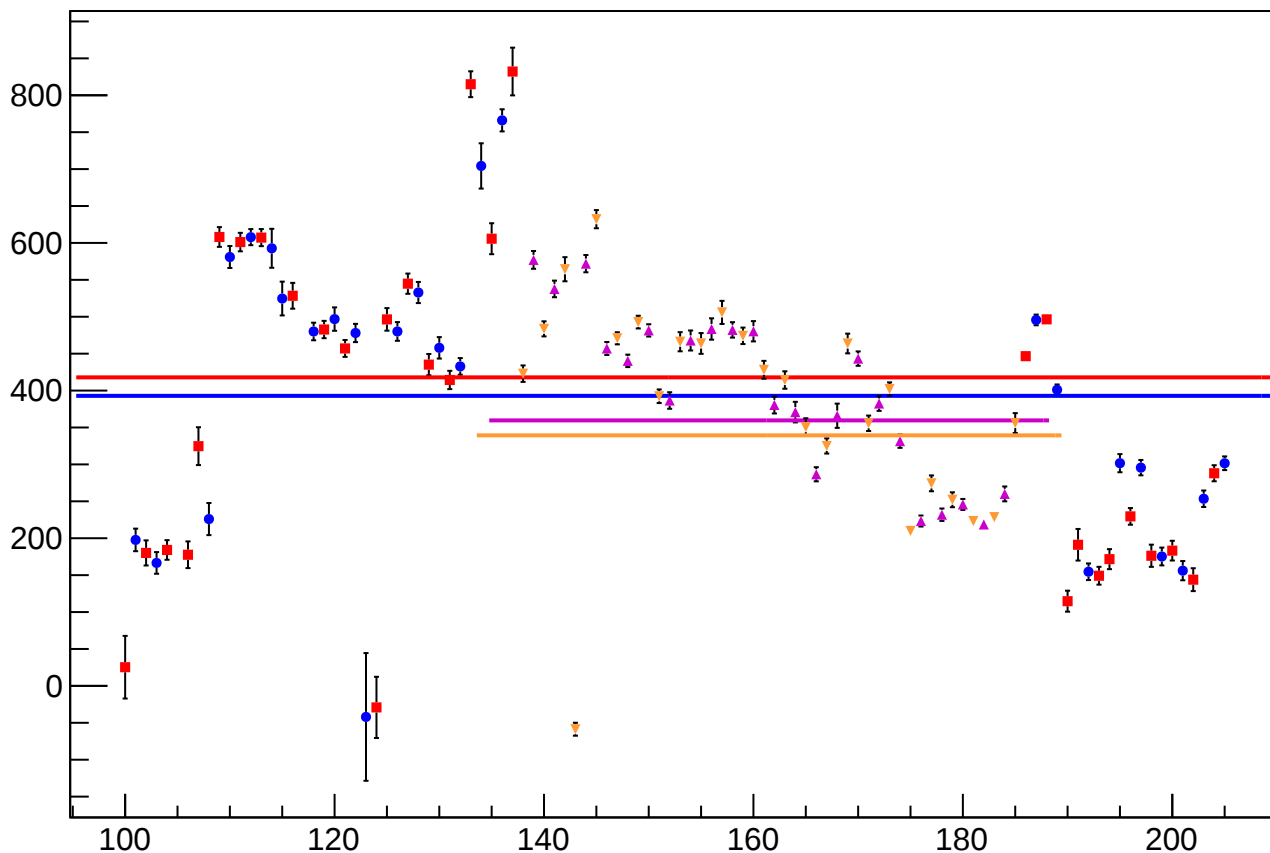
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 3.686 ± 1.146 $\chi^2/\text{NDF}: 916.2/50$

All: 5.156 ± 0.815 $\chi^2/\text{NDF}: 1785.7/103$

- sign 6.658 ± 1.159 $\chi^2/\text{NDF}: 866.1/52$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 392.865 $\pm$ 2.435 χ^2/NDF : 3867.8/25

Left Out: 339.355 $\pm$ 1.963 χ^2/NDF : 5502.5/24

Right Out: 417.895 $\pm$ 2.068 χ^2/NDF : 5724.5/29

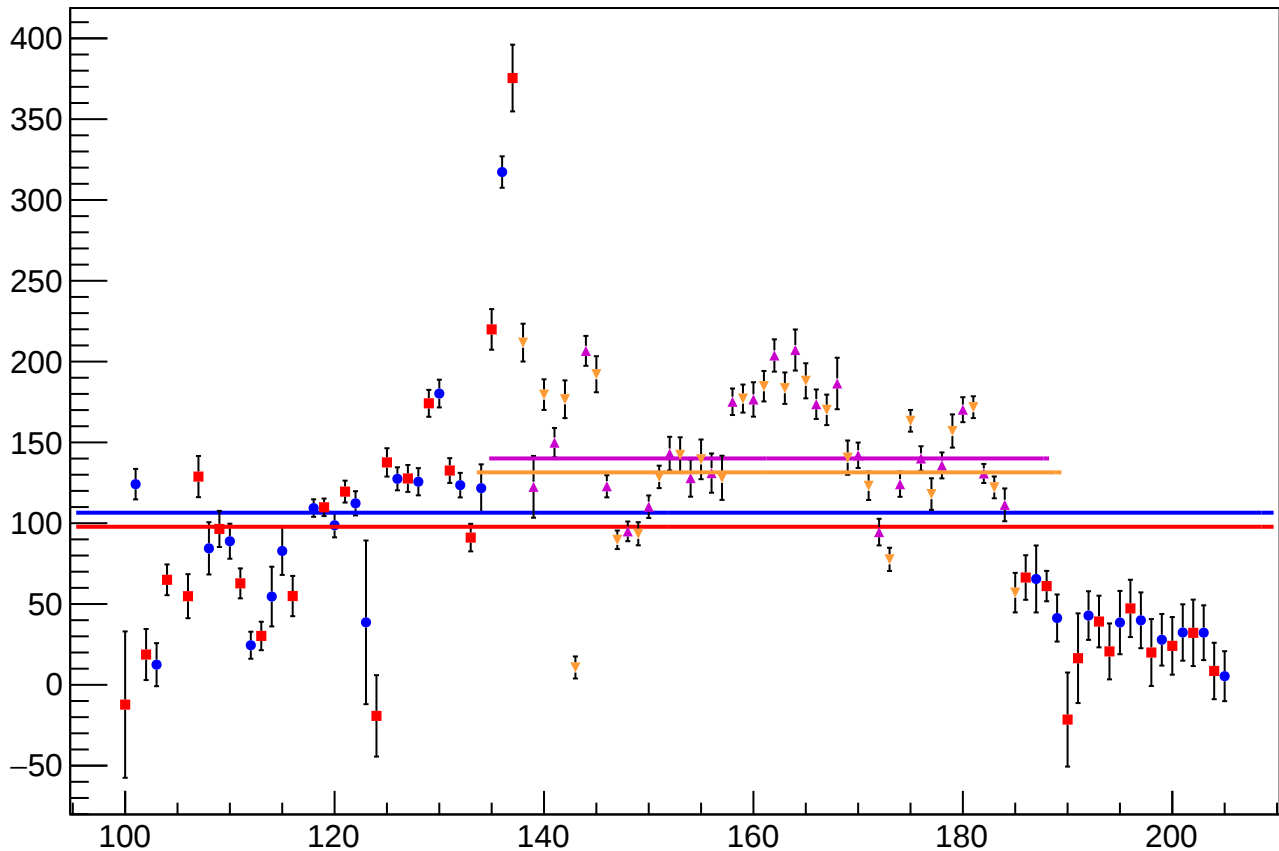
Left In: 359.609 $\pm$ 2.003 χ^2/NDF : 3398.5/22

+ sign 360.428 $\pm$ 1.528 χ^2/NDF : 9663.1/50

All: 374.951 $\pm$ 1.047 χ^2/NDF : 19366.5/103

- sign 387.821 $\pm$ 1.439 χ^2/NDF : 9533.1/52

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 106.505 ± 2.070 $\chi^2/\text{NDF}: 904.8/25$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 97.807 ± 2.018 $\chi^2/\text{NDF}: 749.6/29$

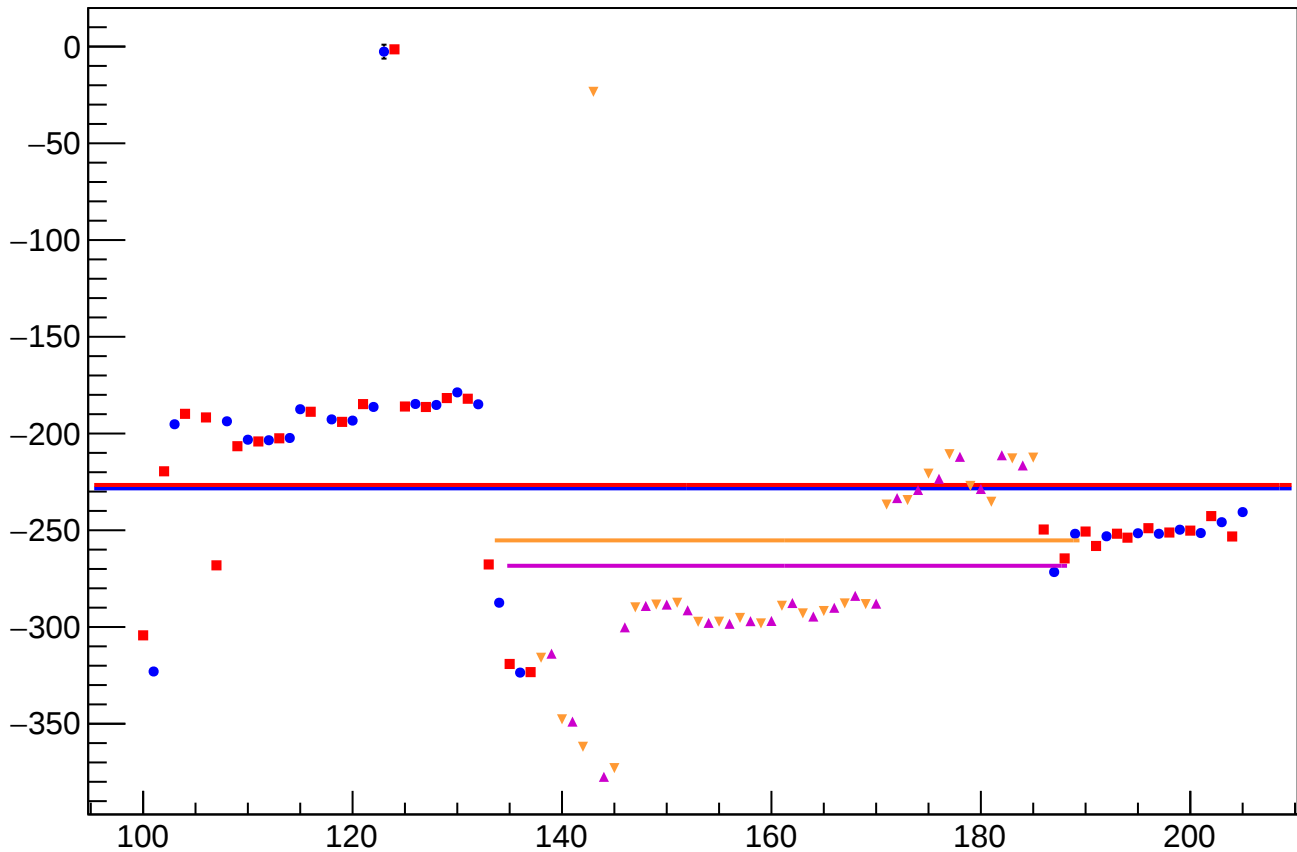
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 121.219 ± 1.326 $\chi^2/\text{NDF}: 1799.8/50$

All: 121.310 ± 0.943 $\chi^2/\text{NDF}: 3110.7/103$

- sign 121.403 ± 1.341 $\chi^2/\text{NDF}: 1310.9/52$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -228.346 $\pm$ 0.112 χ^2 /NDF: 167036.4/25

Left Out: -255.232 $\pm$ 0.082 χ^2 /NDF: 728016.7/24

Right Out: -226.583 $\pm$ 0.106 χ^2 /NDF: 149153.1/29

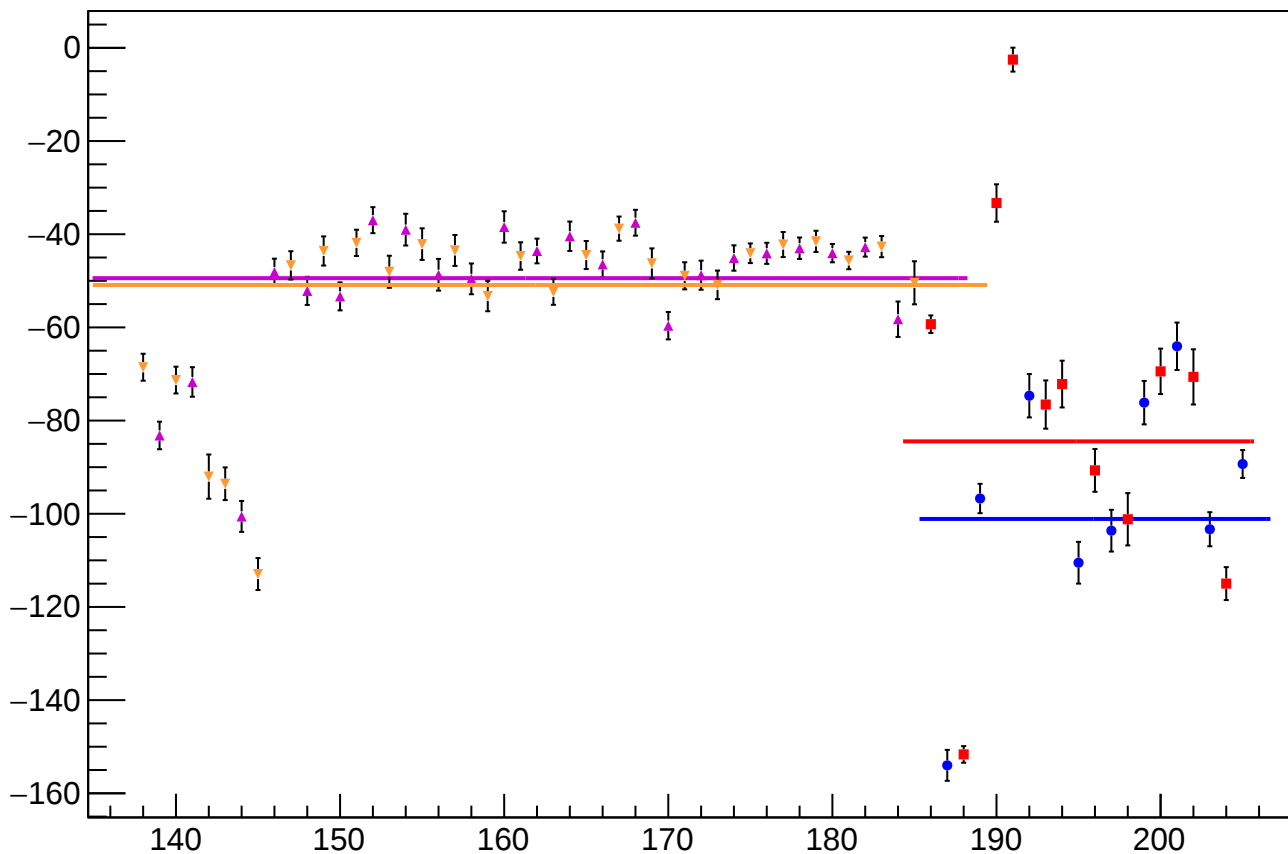
Left In: -268.353 $\pm$ 0.084 χ^2 /NDF: 262479.3/22

+ sign -245.829 $\pm$ 0.066 χ^2 /NDF: 932684.7/50

All: -249.062 $\pm$ 0.047 χ^2 /NDF: 1445306.9/10

- sign -252.240 $\pm$ 0.066 χ^2 /NDF: 507878.8/52

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -101.112 ± 1.282 χ^2/NDF : 390.6/8

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -84.462 ± 0.946 χ^2/NDF : 2890.8/10

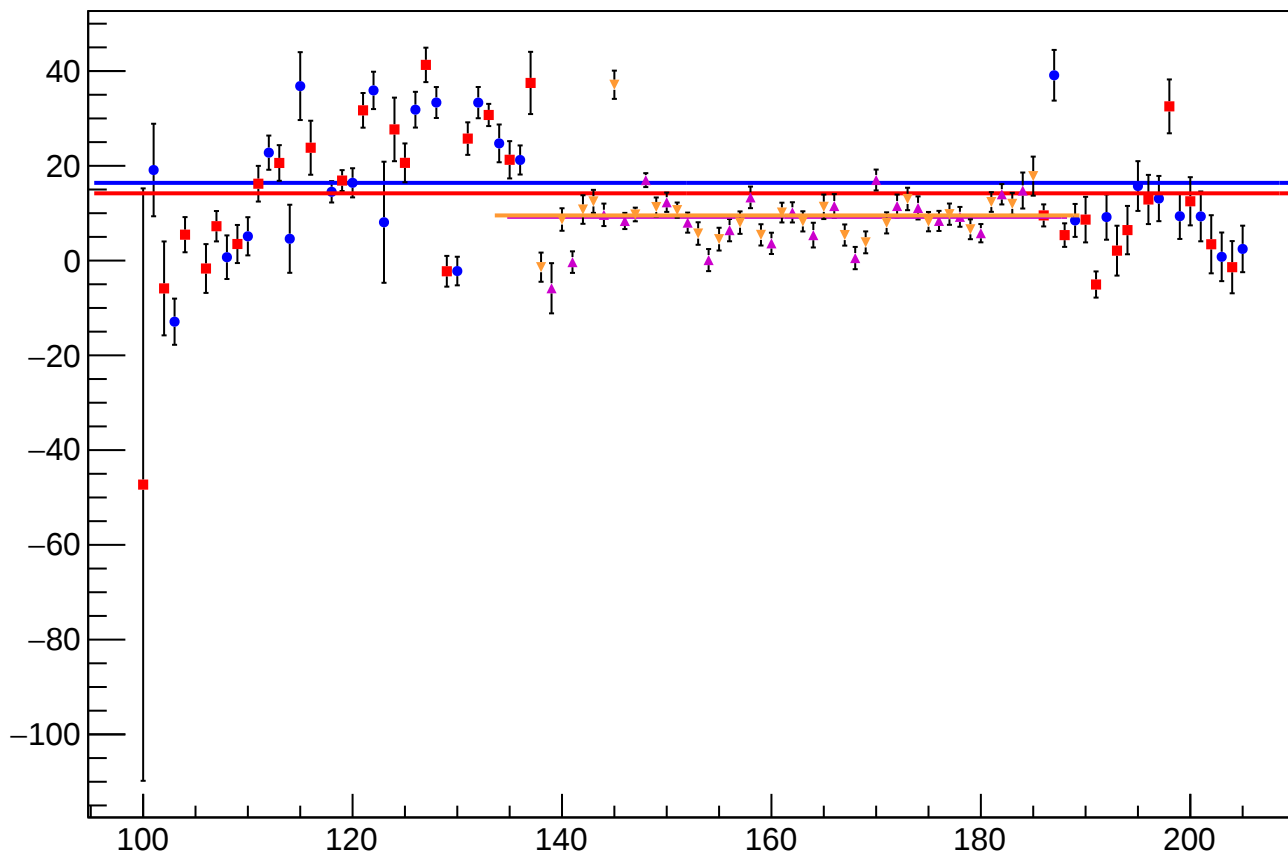
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -59.255 ± 0.523 χ^2/NDF : 2431.1/33

All: -59.170 ± 0.360 χ^2/NDF : 6857.8/67

- sign -59.093 ± 0.497 χ^2/NDF : 4426.7/33

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 16.402 ± 0.794 χ^2/NDF : 257.5/25

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 14.196 ± 0.690 χ^2/NDF : 322.8/29

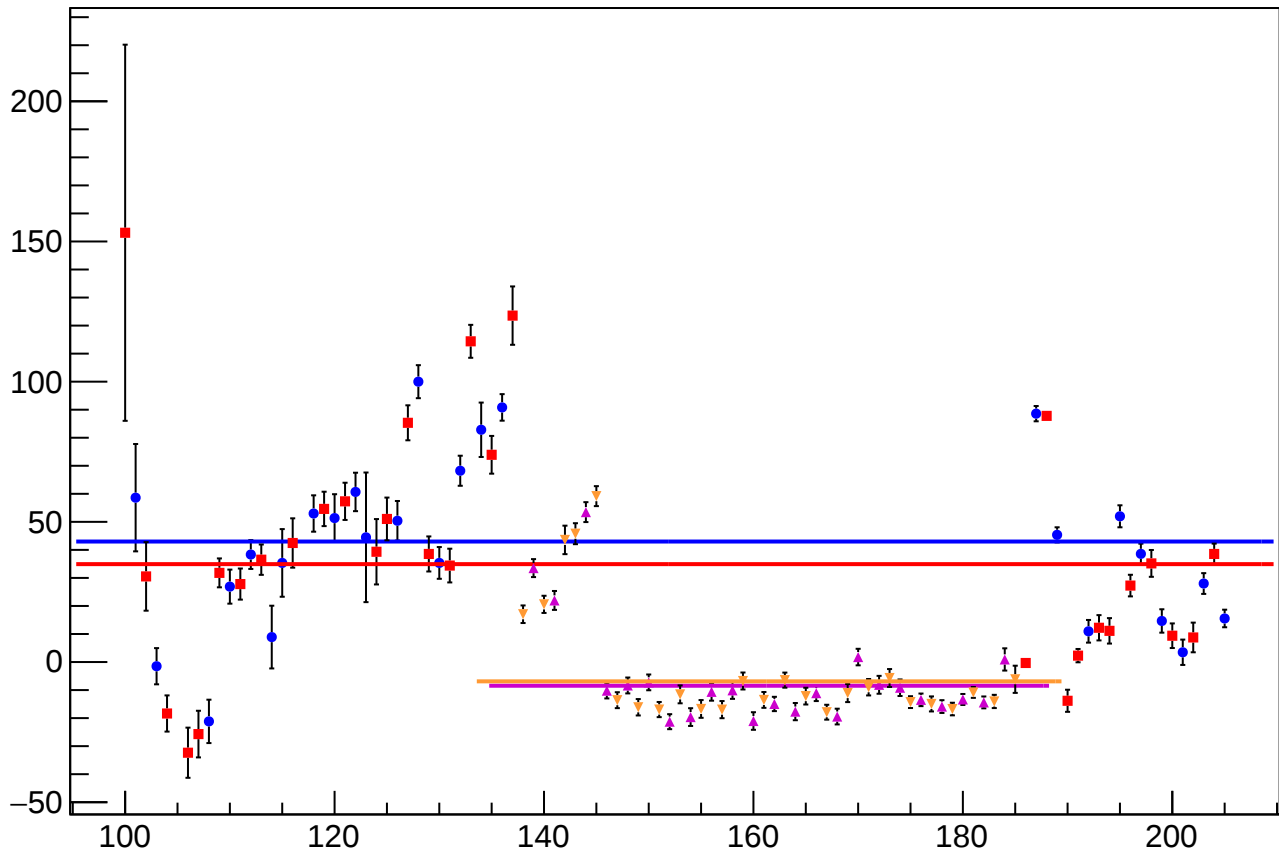
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.177 ± 0.389 χ^2/NDF : 448.8/50

All: 10.969 ± 0.273 χ^2/NDF : 931.9/103

- sign 10.767 ± 0.384 χ^2/NDF : 482.6/52

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 42.982 ± 0.949 $\chi^2/\text{NDF}: 947.9/25$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 34.919 ± 0.721 $\chi^2/\text{NDF}: 2922.9/29$

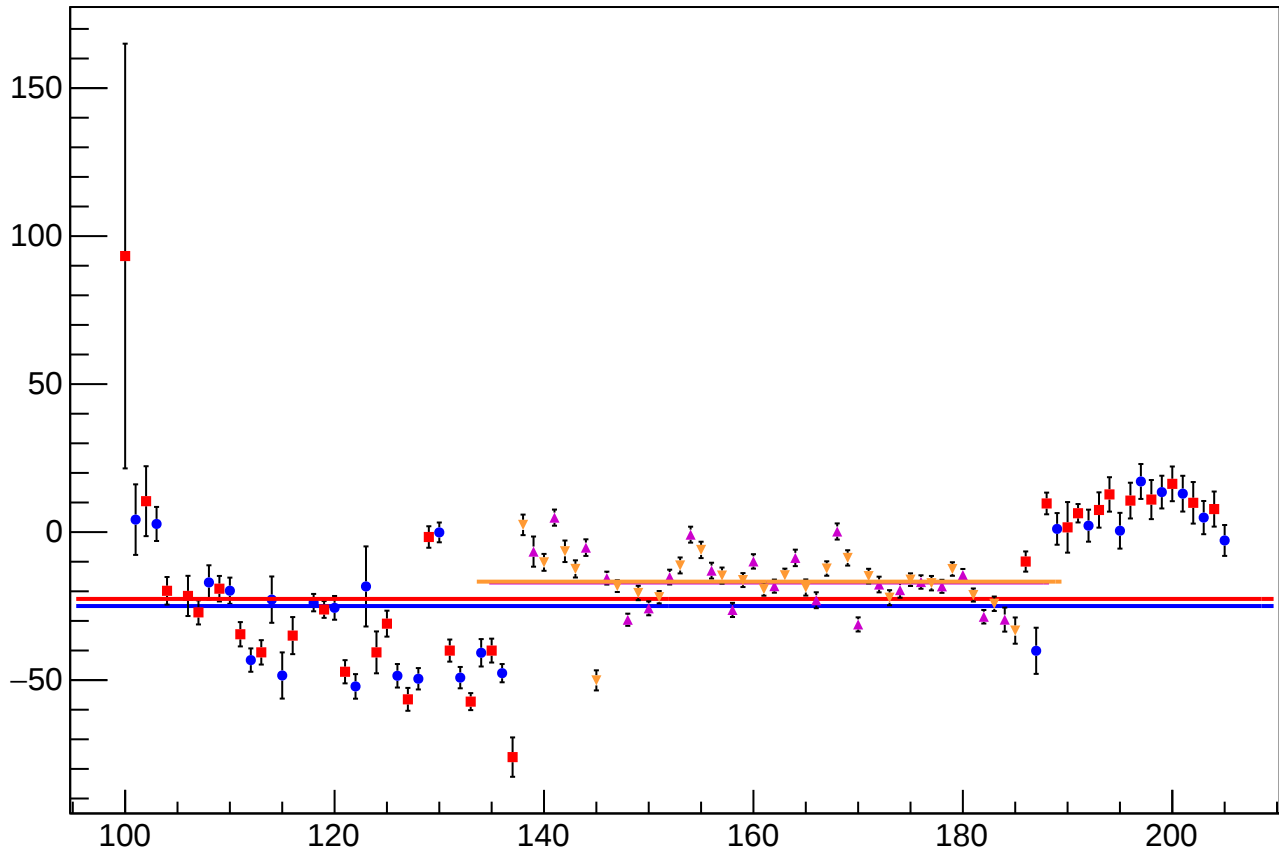
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 6.359 ± 0.489 $\chi^2/\text{NDF}: 3888.5/50$

All: 7.556 ± 0.332 $\chi^2/\text{NDF}: 9708.1/103$

- sign 8.577 ± 0.452 $\chi^2/\text{NDF}: 5808.5/52$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -24.977 ± 0.918 χ^2/NDF : 609.5/25

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -22.572 ± 0.823 χ^2/NDF : 852.4/29

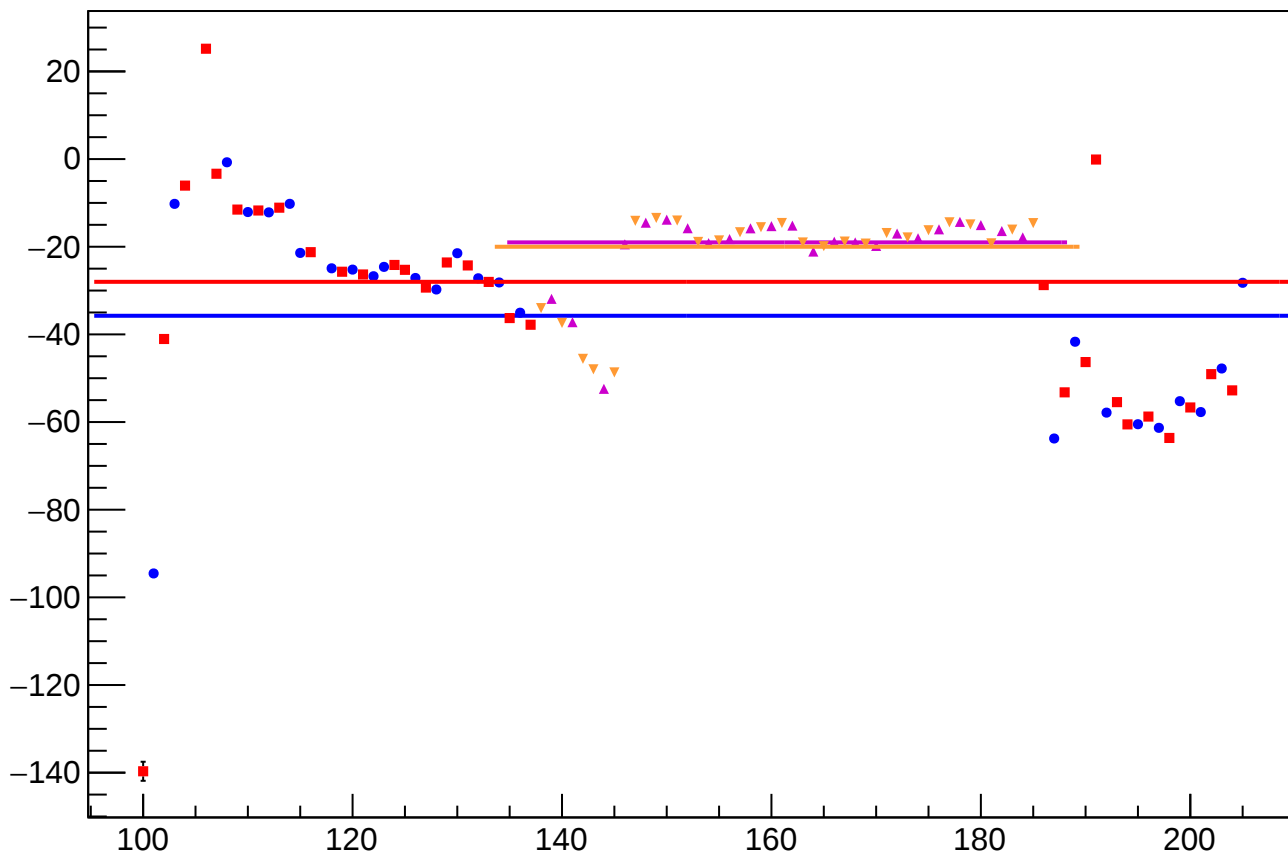
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -18.657 ± 0.444 χ^2/NDF : 894.6/50

All: -18.636 ± 0.313 χ^2/NDF : 2106.9/103

- sign -18.615 ± 0.441 χ^2/NDF : 1212.4/52

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -35.753 ± 0.044 χ^2/NDF : 200939.3/25

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -28.006 ± 0.038 χ^2/NDF : 408819.5/29

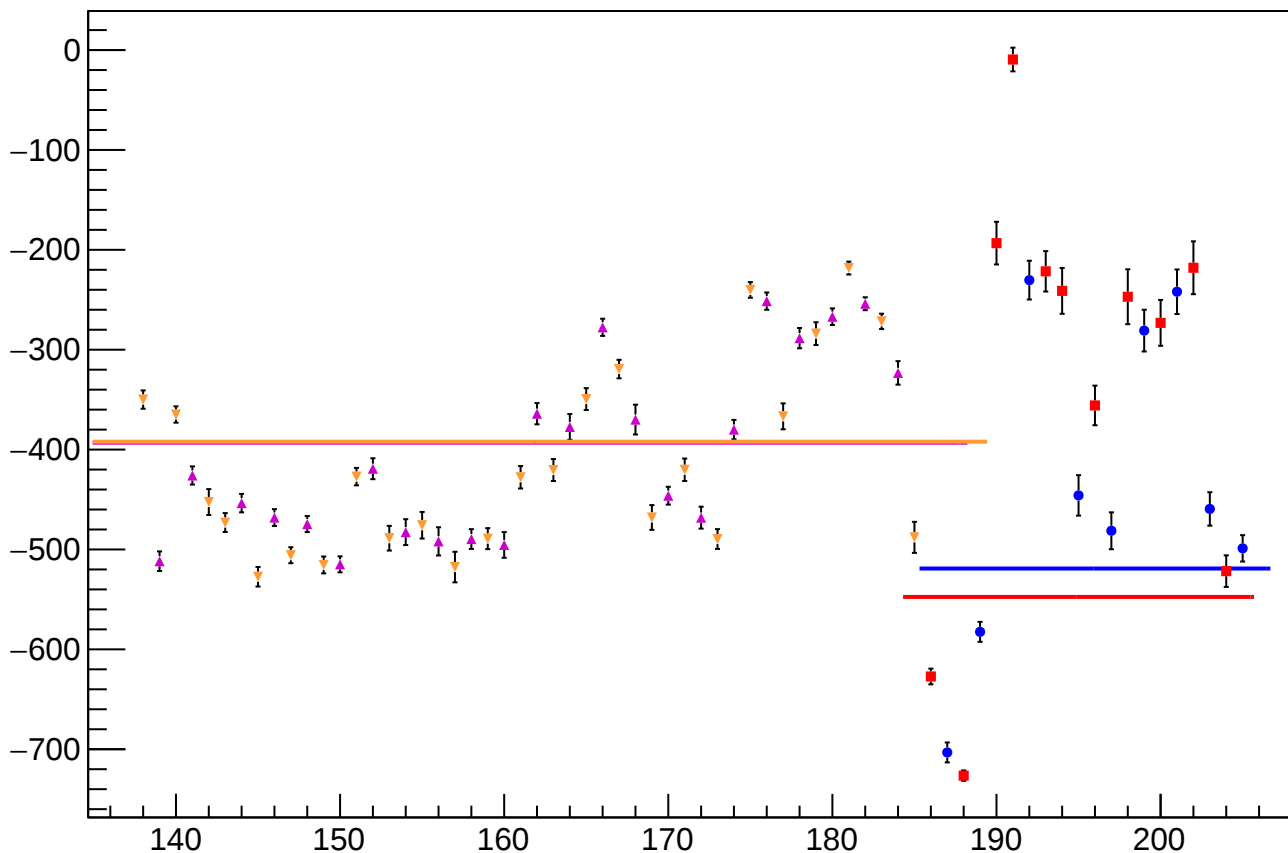
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -23.453 ± 0.021 χ^2/NDF : 446577.6/50

All: -22.470 ± 0.014 χ^2/NDF : 991316.9/103

- sign -21.536 ± 0.020 χ^2/NDF : 540295.1/52

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -519.078 ± 4.897 χ^2/NDF : 919.8/8

Left Out: -392.054 ± 1.967 χ^2/NDF : 2717.2/24

Right Out: -547.512 ± 3.573 χ^2/NDF : 4581.8/10

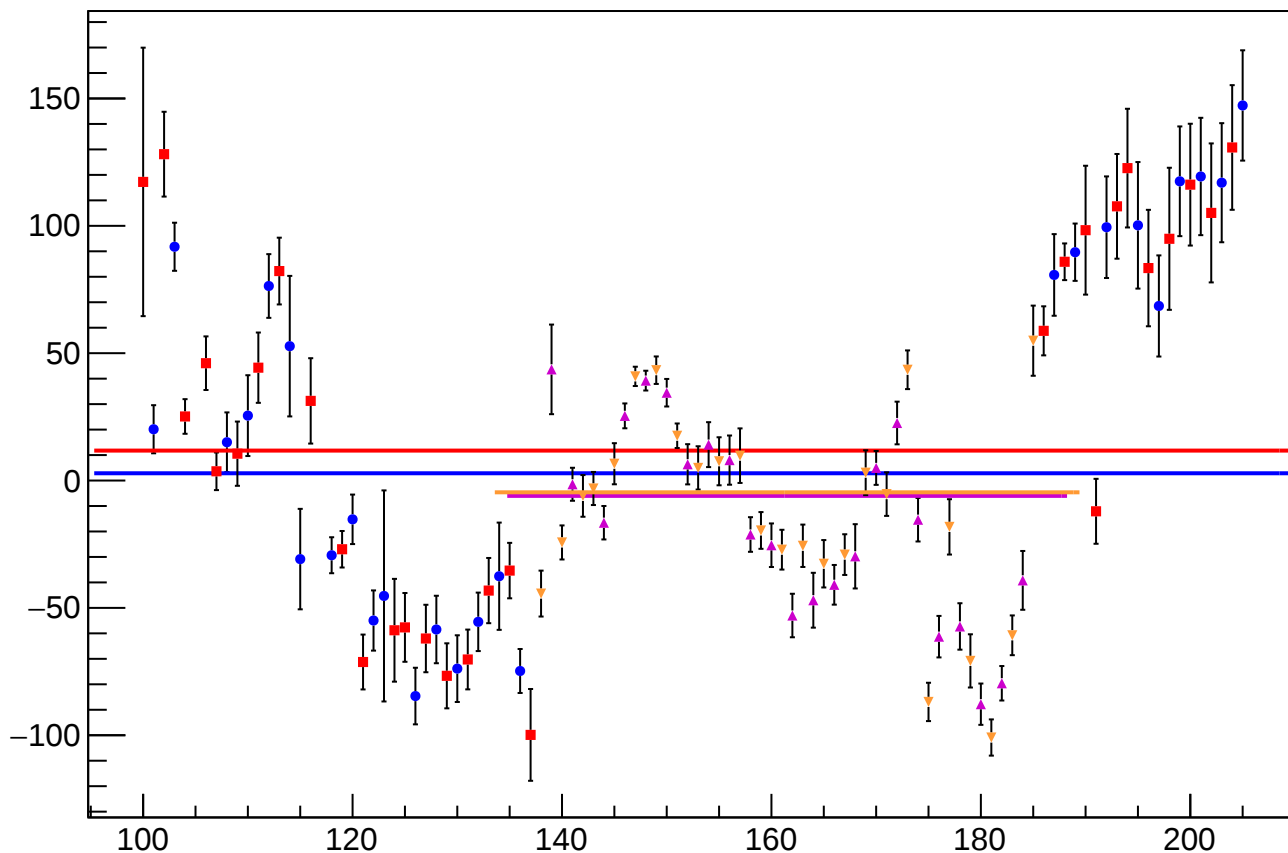
Left In: -393.113 ± 2.006 χ^2/NDF : 2253.3/22

+ sign -409.693 ± 1.825 χ^2/NDF : 4216.3/33

All: -420.328 ± 1.263 χ^2/NDF : 12536.2/67

- sign -430.096 ± 1.749 χ^2/NDF : 8254.8/33

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 2.854 ± 2.567 $\chi^2/\text{NDF}: 668.6/25$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 11.758 ± 2.255 $\chi^2/\text{NDF}: 697.7/29$

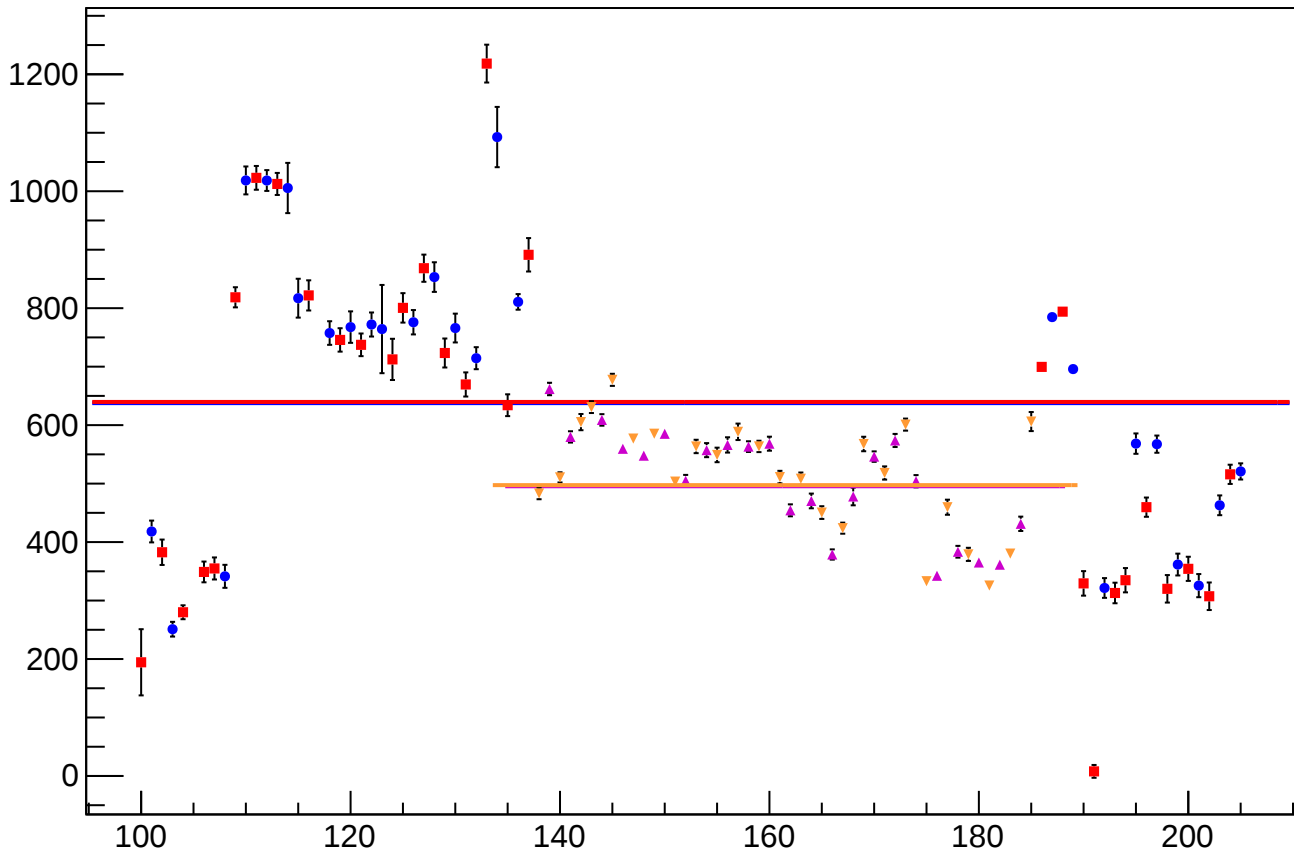
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign -2.792 ± 1.271 $\chi^2/\text{NDF}: 1447.9/50$

All: -1.627 ± 0.894 $\chi^2/\text{NDF}: 2844.1/103$

- sign -0.485 ± 1.258 $\chi^2/\text{NDF}: 1394.5/52$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 637.635 ± 3.265 $\chi^2/\text{NDF}: 4040.4/25$

Left Out: 497.381 ± 1.966 $\chi^2/\text{NDF}: 2614.6/24$

Right Out: 639.665 ± 2.525 $\chi^2/\text{NDF}: 9432.5/29$

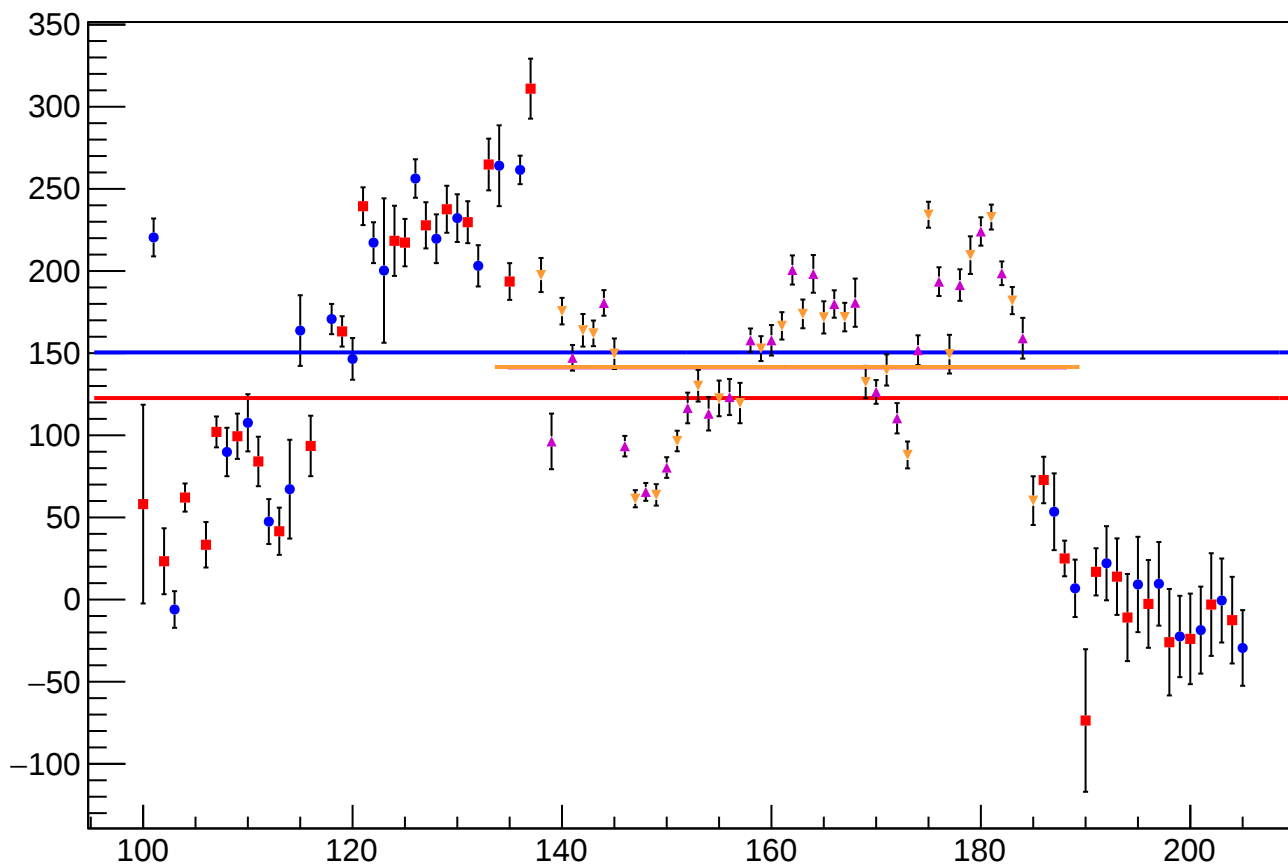
Left In: 495.454 ± 1.992 $\chi^2/\text{NDF}: 2253.8/22$

+ sign 534.705 ± 1.684 $\chi^2/\text{NDF}: 8009.5/50$

All: 543.330 ± 1.146 $\chi^2/\text{NDF}: 21754.7/103$

- sign 550.770 ± 1.564 $\chi^2/\text{NDF}: 13696.3/52$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 150.454 $\pm$ 2.999 χ^2 /NDF: 1051.9/25

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 122.672 $\pm$ 2.711 χ^2 /NDF: 1099.6/29

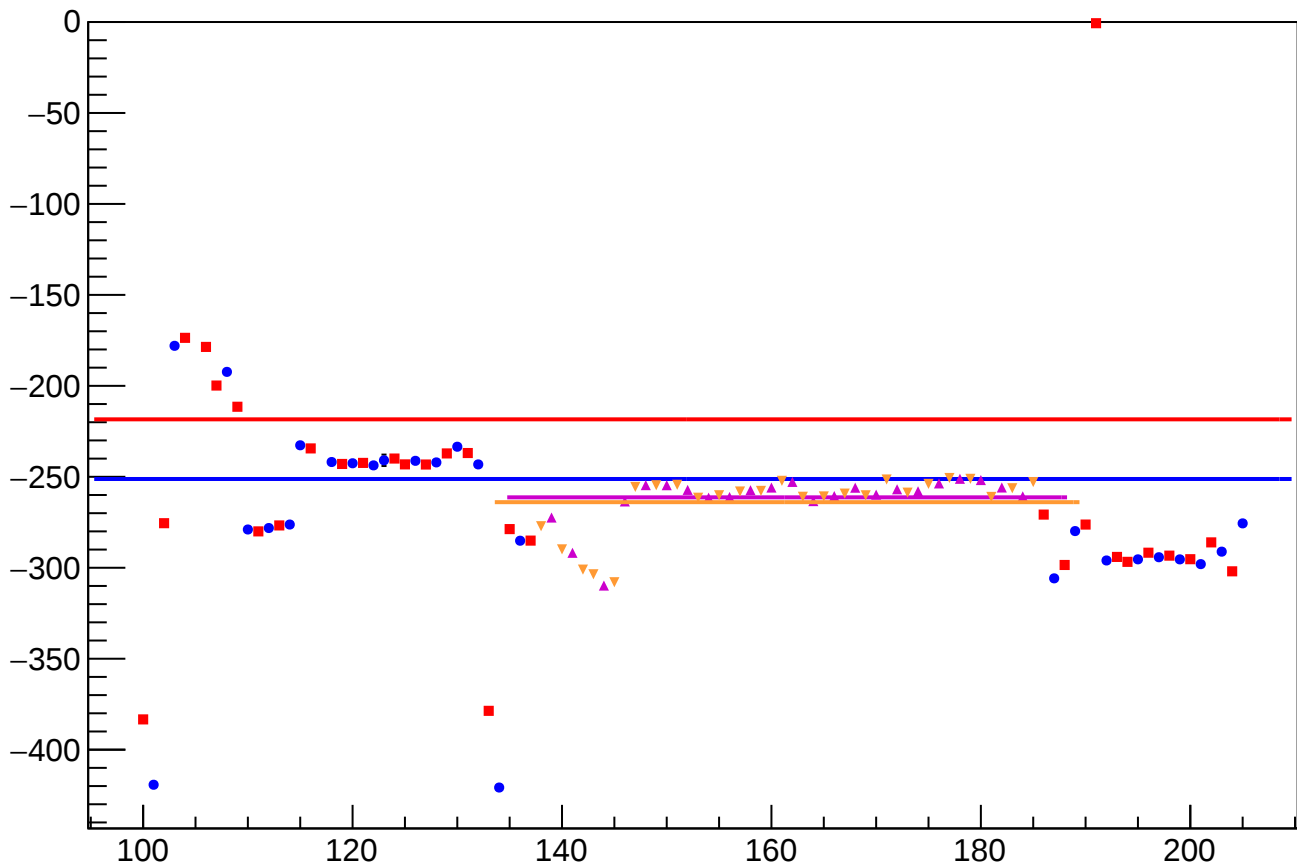
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 143.742 $\pm$ 1.478 χ^2 /NDF: 2018.1/50

All: 139.784 $\pm$ 1.042 χ^2 /NDF: 3906.8/103

- sign 135.873 $\pm$ 1.469 χ^2 /NDF: 1874.4/52

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -251.200 ± 0.140 χ^2/NDF : 195259.2/25

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -218.412 ± 0.125 χ^2/NDF : 490875.9/29

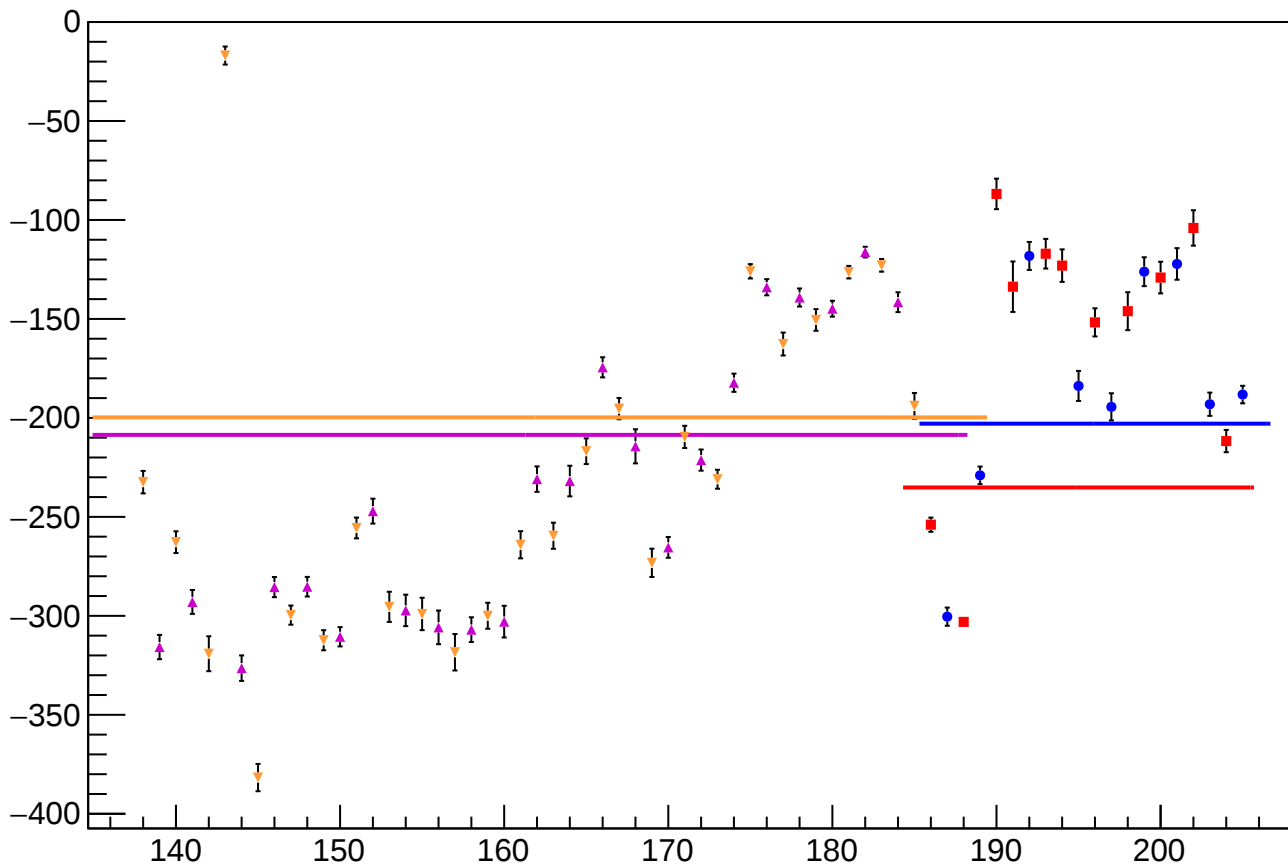
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -260.738 ± 0.070 χ^2/NDF : 240533.1/50

All: -254.385 ± 0.049 χ^2/NDF : 853215.7/103

- sign -248.351 ± 0.069 χ^2/NDF : 596755.4/52

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -202.916 ± 1.919 χ^2/NDF : 863.9/8

Left Out: -199.741 ± 1.061 χ^2/NDF : 6361.5/24

Right Out: -235.153 ± 1.578 χ^2/NDF : 2347.6/10

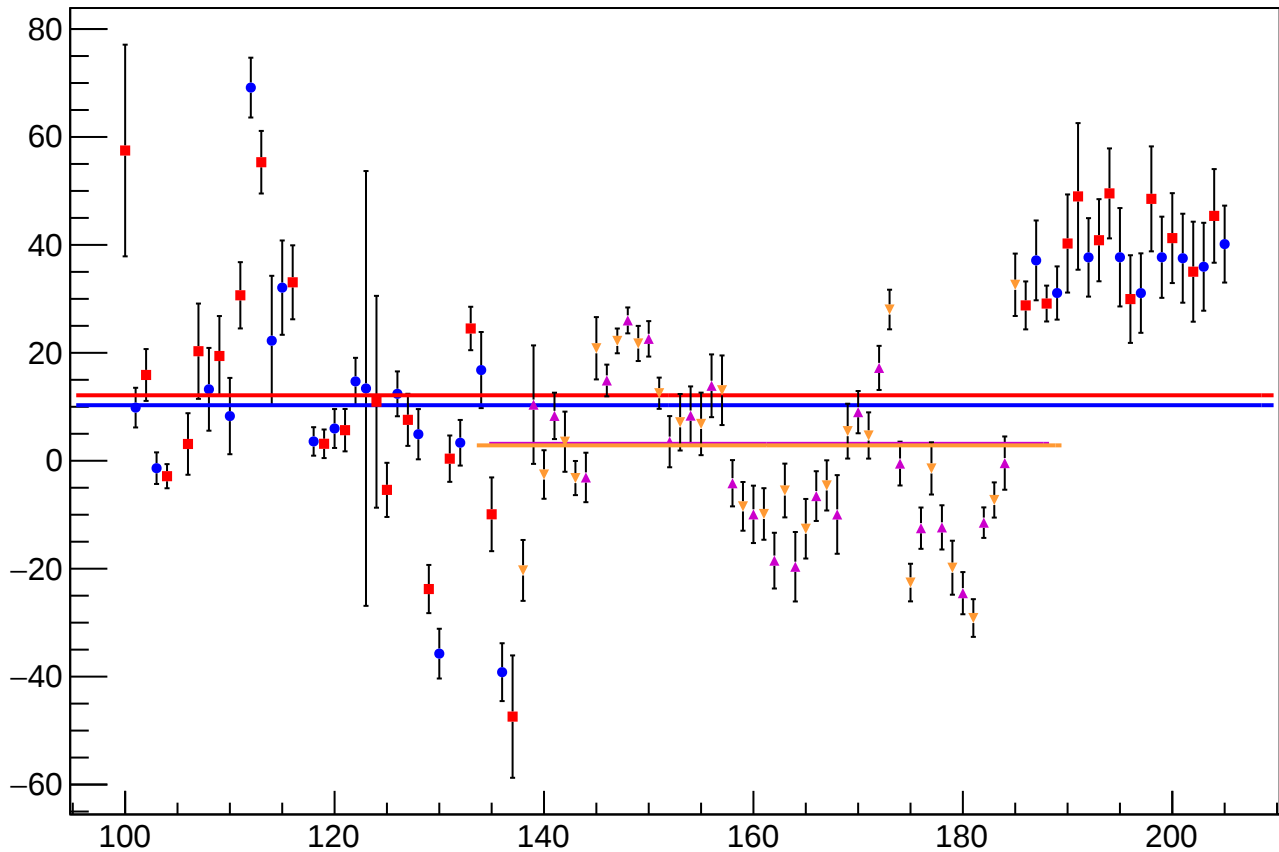
Left In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

+ sign -200.485 ± 0.929 χ^2/NDF : 7227.5/33

All: -209.111 ± 0.643 χ^2/NDF : 14739.2/67

- sign -217.080 ± 0.893 χ^2/NDF : 7345.6/33

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 10.294 ± 1.004 χ^2/NDF : 448.9/25

Left Out: 2.853 ± 0.820 χ^2/NDF : 419.8/24

Right Out: 12.133 ± 0.941 χ^2/NDF : 419.4/29

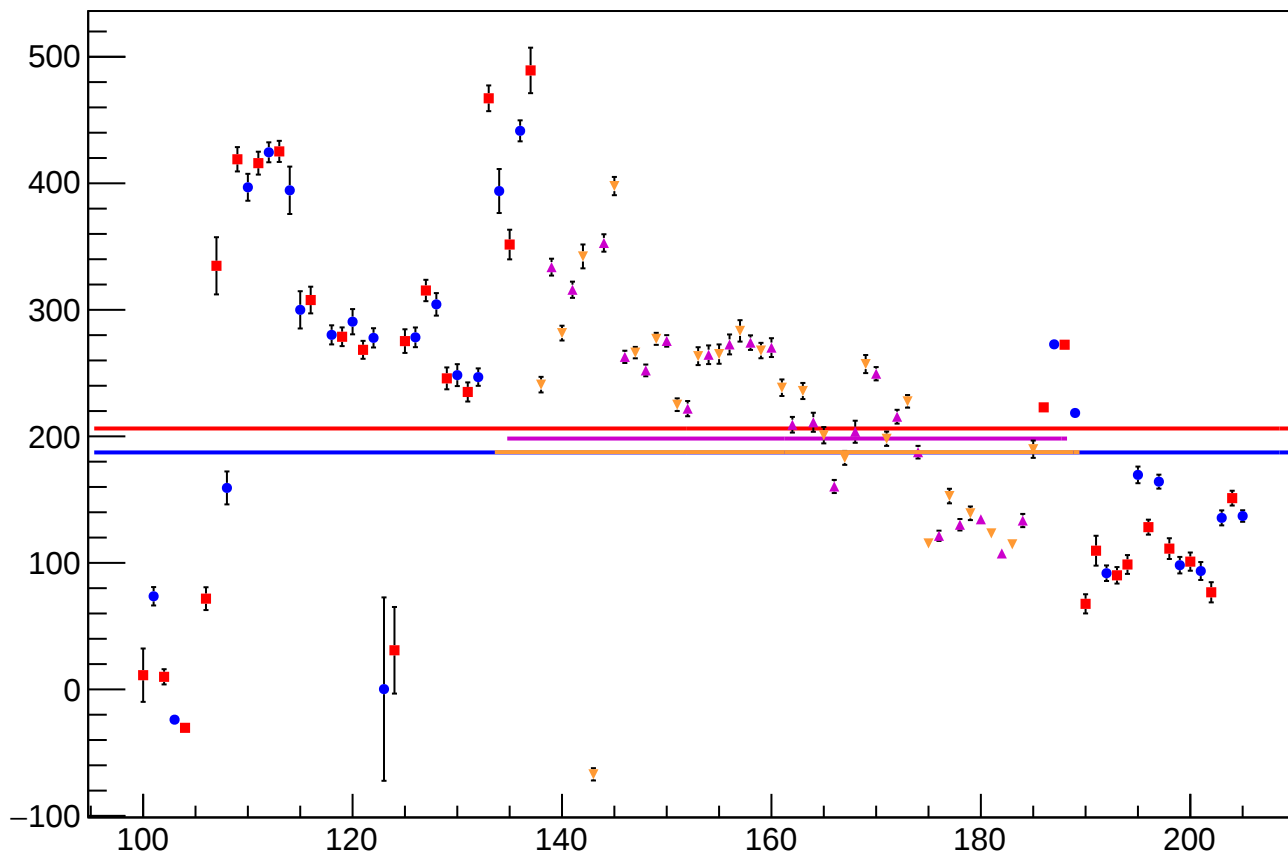
Left In: 3.136 ± 0.857 χ^2/NDF : 319.8/22

+ sign 5.829 ± 0.635 χ^2/NDF : 901.6/50

All: 6.522 ± 0.449 χ^2/NDF : 1693.2/103

- sign 7.212 ± 0.633 χ^2/NDF : 789.2/52

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 187.293 ± 1.294 $\chi^2/\text{NDF}: 8168.1/25$

Left Out: 187.565 ± 1.066 $\chi^2/\text{NDF}: 7082.0/24$

Right Out: 206.222 ± 1.091 $\chi^2/\text{NDF}: 11317.3/29$

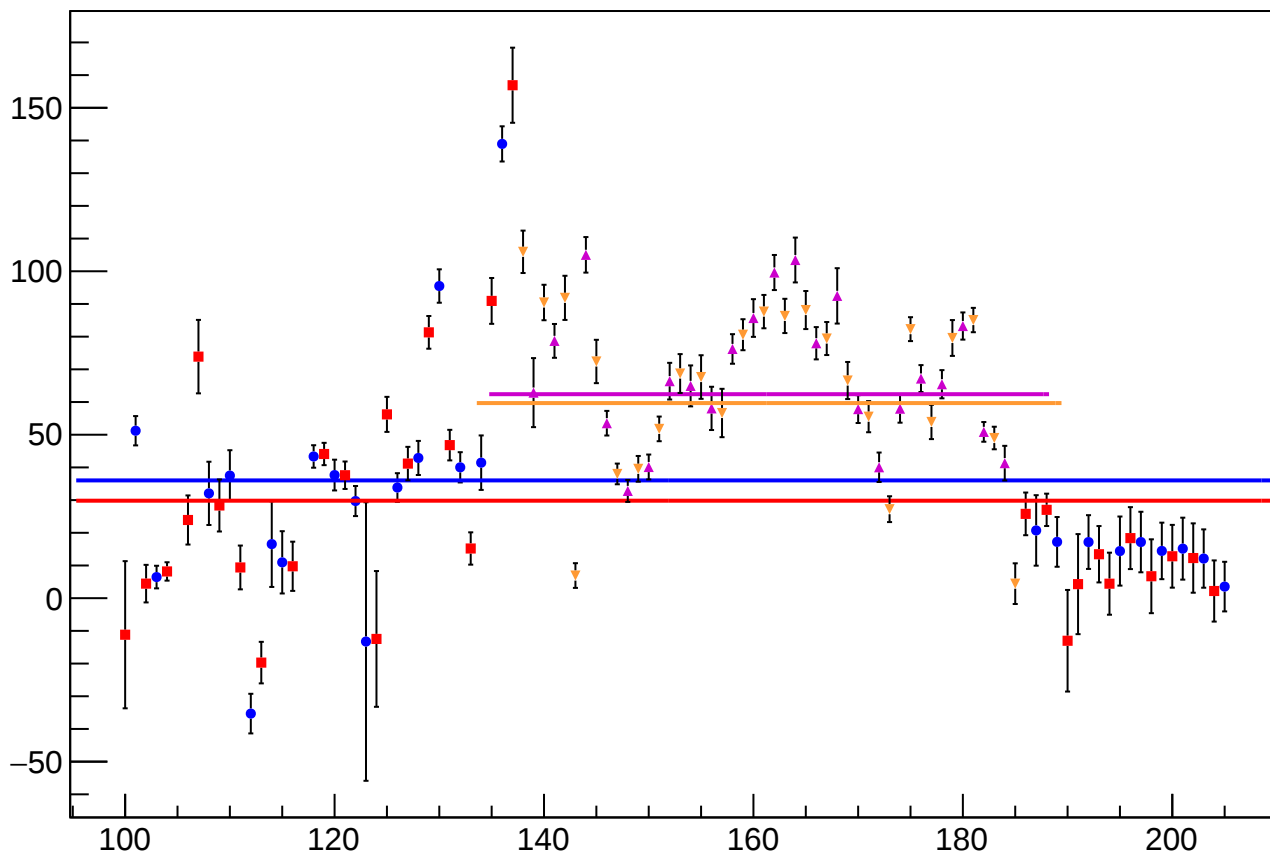
Left In: 198.269 ± 1.082 $\chi^2/\text{NDF}: 4515.8/22$

+ sign 187.455 ± 0.823 $\chi^2/\text{NDF}: 15250.2/50$

All: 195.336 ± 0.561 $\chi^2/\text{NDF}: 31281.8/103$

- sign 202.209 ± 0.768 $\chi^2/\text{NDF}: 15859.9/52$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 36.025 ± 1.178 $\chi^2/\text{NDF}: 802.8/25$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 29.820 ± 1.129 $\chi^2/\text{NDF}: 597.9/29$

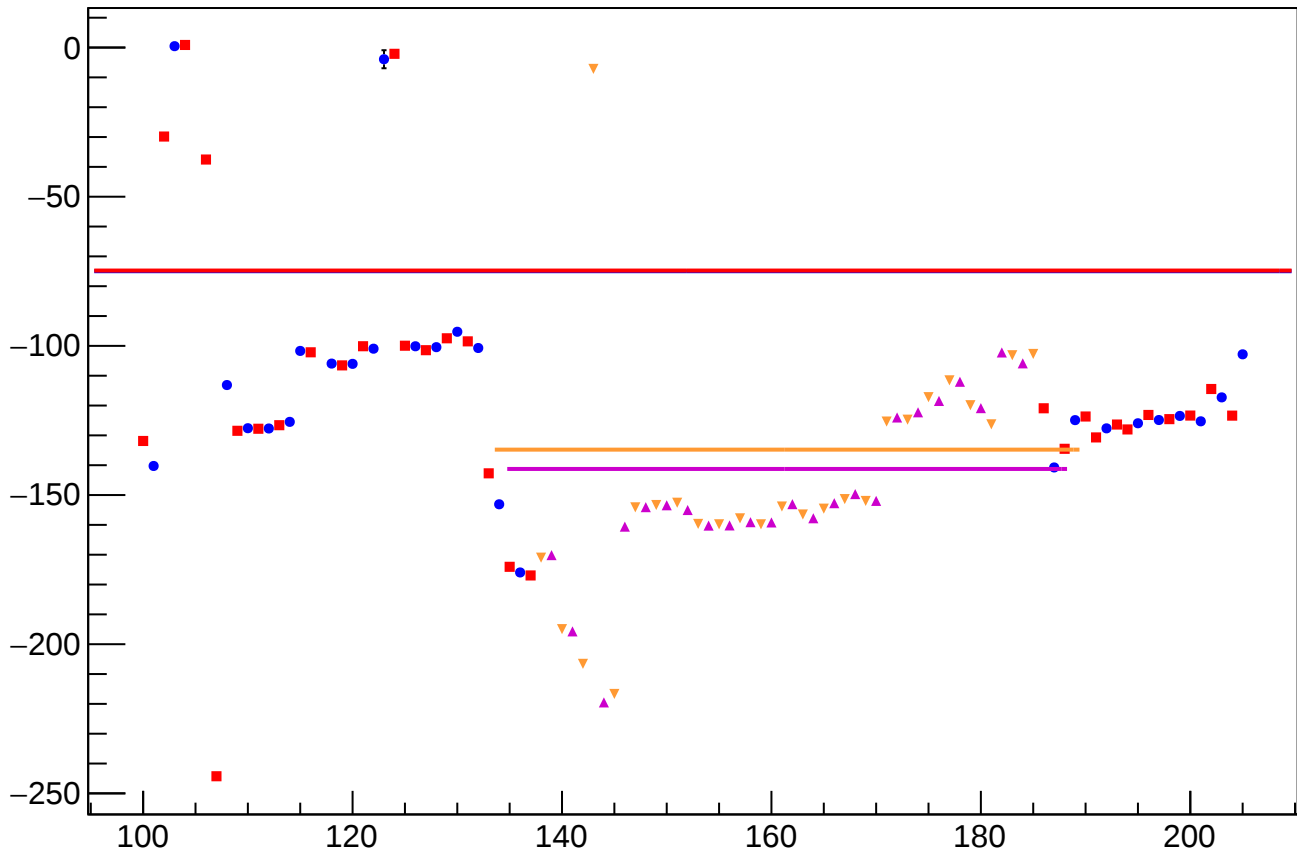
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 50.469 ± 0.735 $\chi^2/\text{NDF}: 1806.7/50$

All: 49.484 ± 0.521 $\chi^2/\text{NDF}: 3292.0/103$

- sign 48.492 ± 0.737 $\chi^2/\text{NDF}: 1481.7/52$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -74.975 ± 0.053 χ^2/NDF : 1399116.7/25

Left Out: -134.780 ± 0.045 χ^2/NDF : 804747.3/24

Right Out: -74.749 ± 0.051 χ^2/NDF : 1391829.0/29

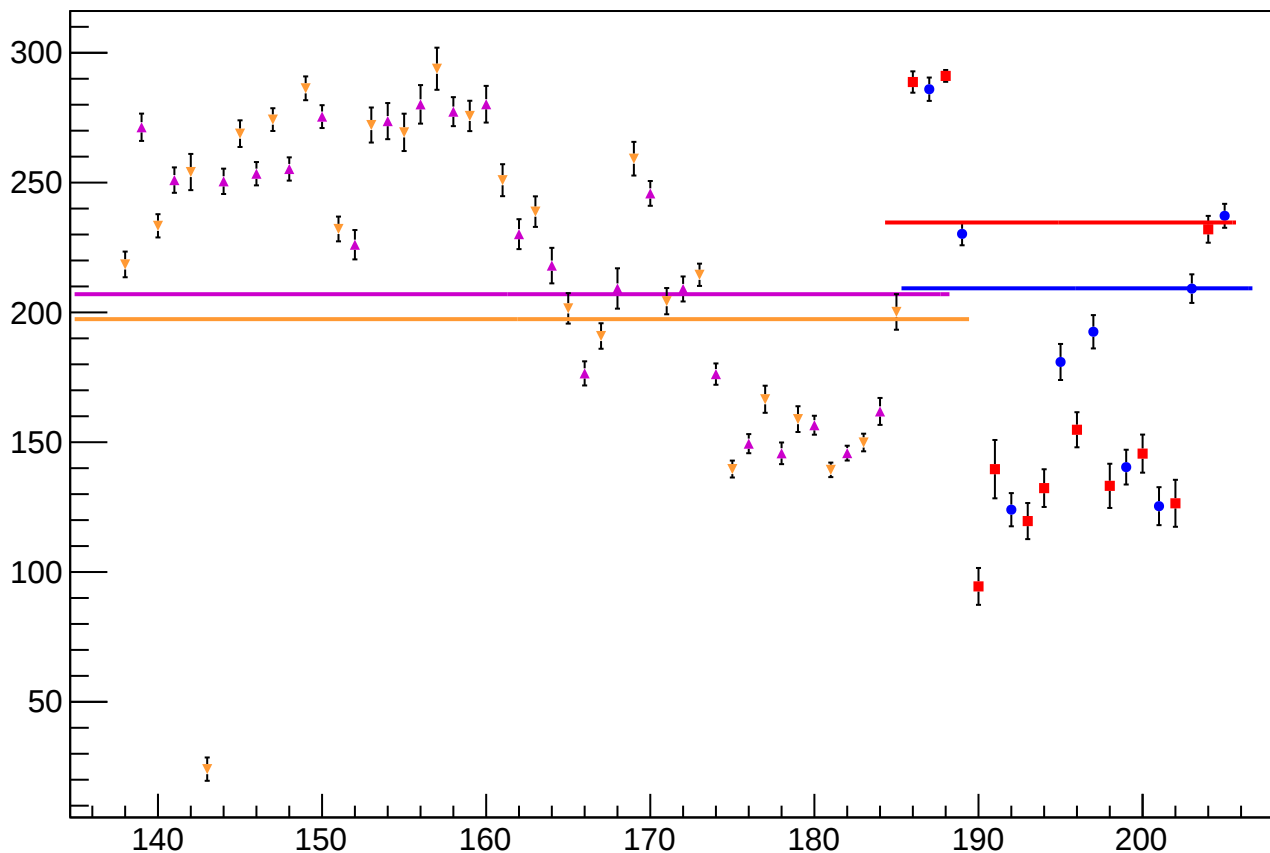
Left In: -141.255 ± 0.045 χ^2/NDF : 347229.8/22

+ sign -110.070 ± 0.034 χ^2/NDF : 2950036.7/50

All: -111.022 ± 0.024 χ^2/NDF : 5640371.4/10

- sign -111.963 ± 0.034 χ^2/NDF : 2688783.4/52

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 209.280 $\pm$ 1.852 χ^2 /NDF: 788.8/8

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF: 4384.2/24

Right Out: 234.635 $\pm$ 1.538 χ^2 /NDF: 2292.1/10

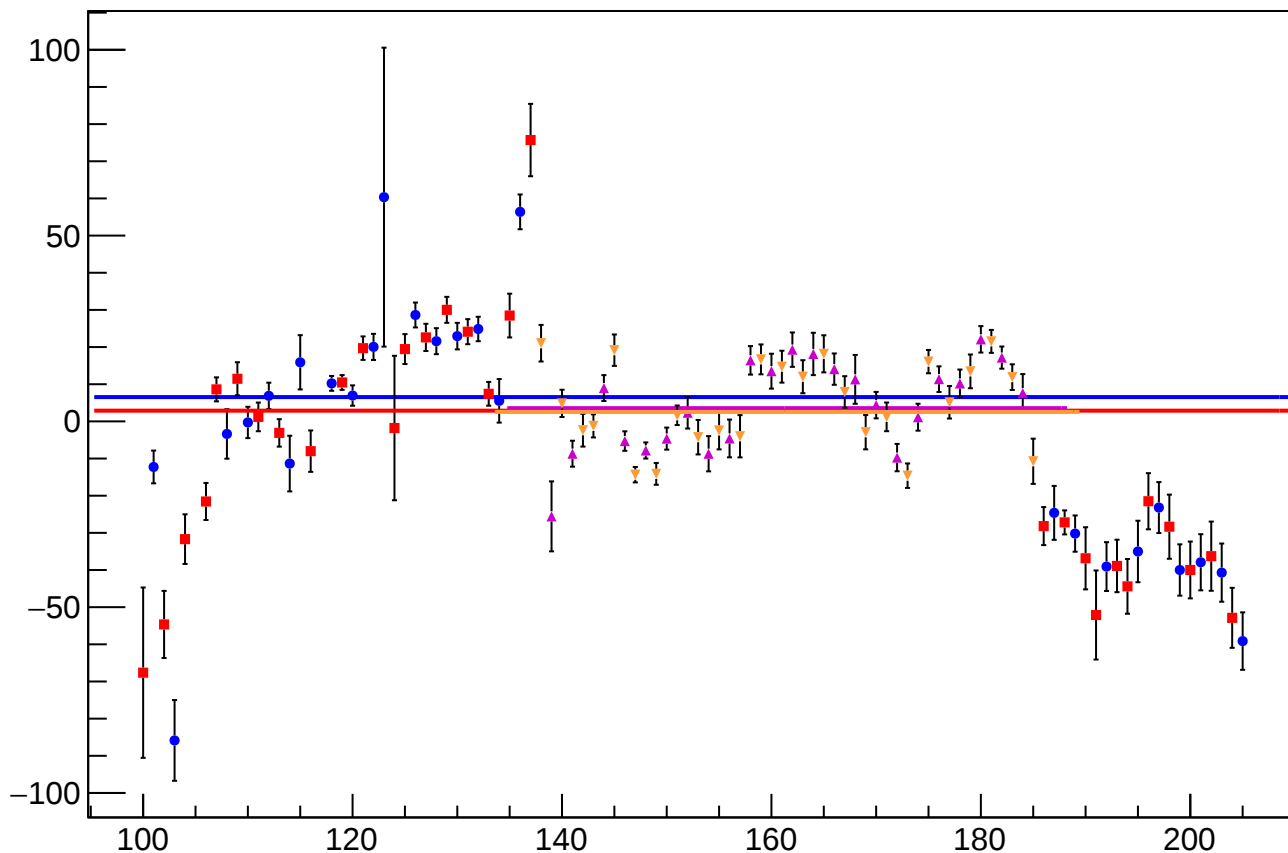
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF: 2611.5/22

+ sign 199.934 $\pm$ 0.854 χ^2 /NDF: 5205.4/33

All: 207.719 $\pm$ 0.596 χ^2 /NDF: 10499.0/67

- sign 215.112 $\pm$ 0.833 χ^2 /NDF: 5131.7/33

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 6.539 ± 0.868 χ^2/NDF : 706.2/25

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 2.887 ± 0.827 χ^2/NDF : 743.6/29

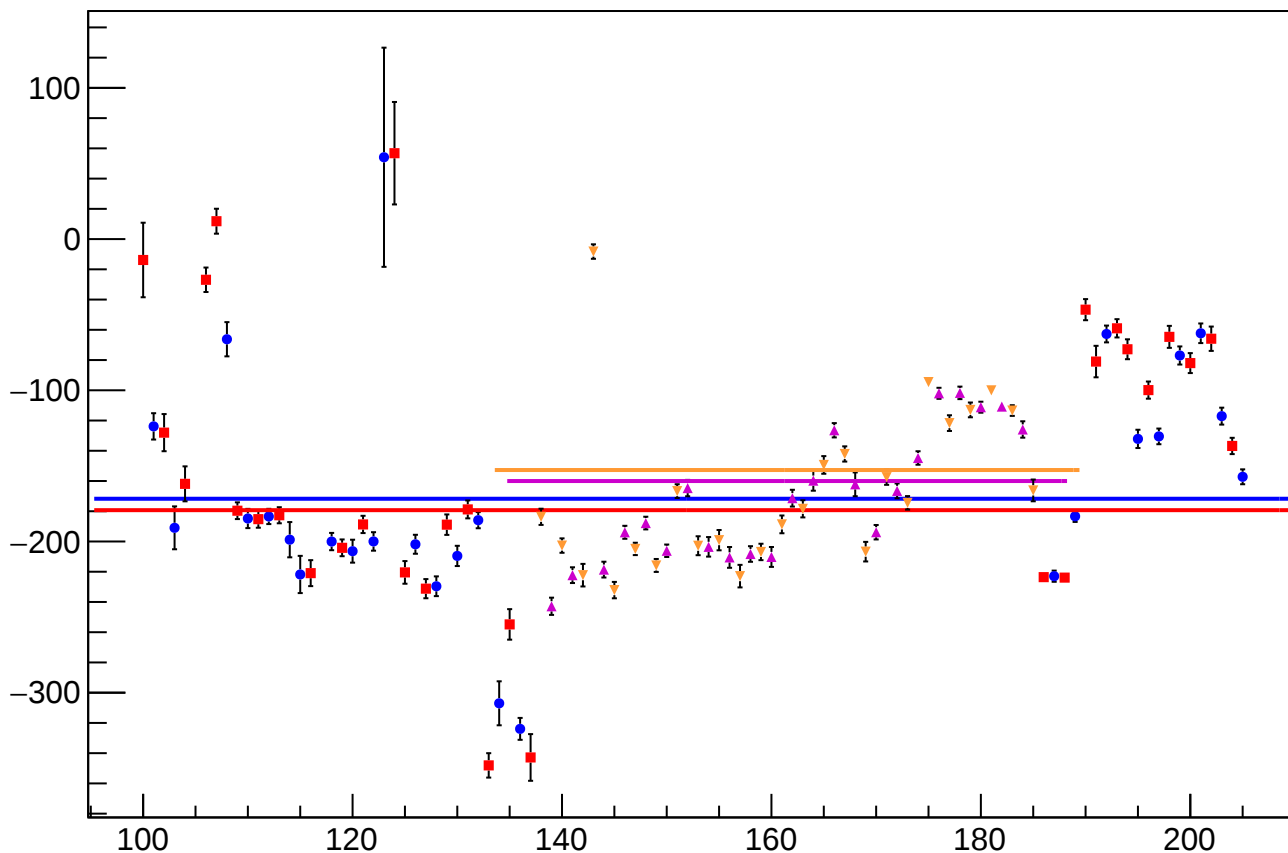
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 4.230 ± 0.563 χ^2/NDF : 993.9/50

All: 3.739 ± 0.399 χ^2/NDF : 1931.3/103

- sign 3.245 ± 0.565 χ^2/NDF : 936.0/52

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -171.733 ± 1.216 χ^2/NDF : 2225.5/25

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -179.286 ± 1.033 χ^2/NDF : 4558.9/29

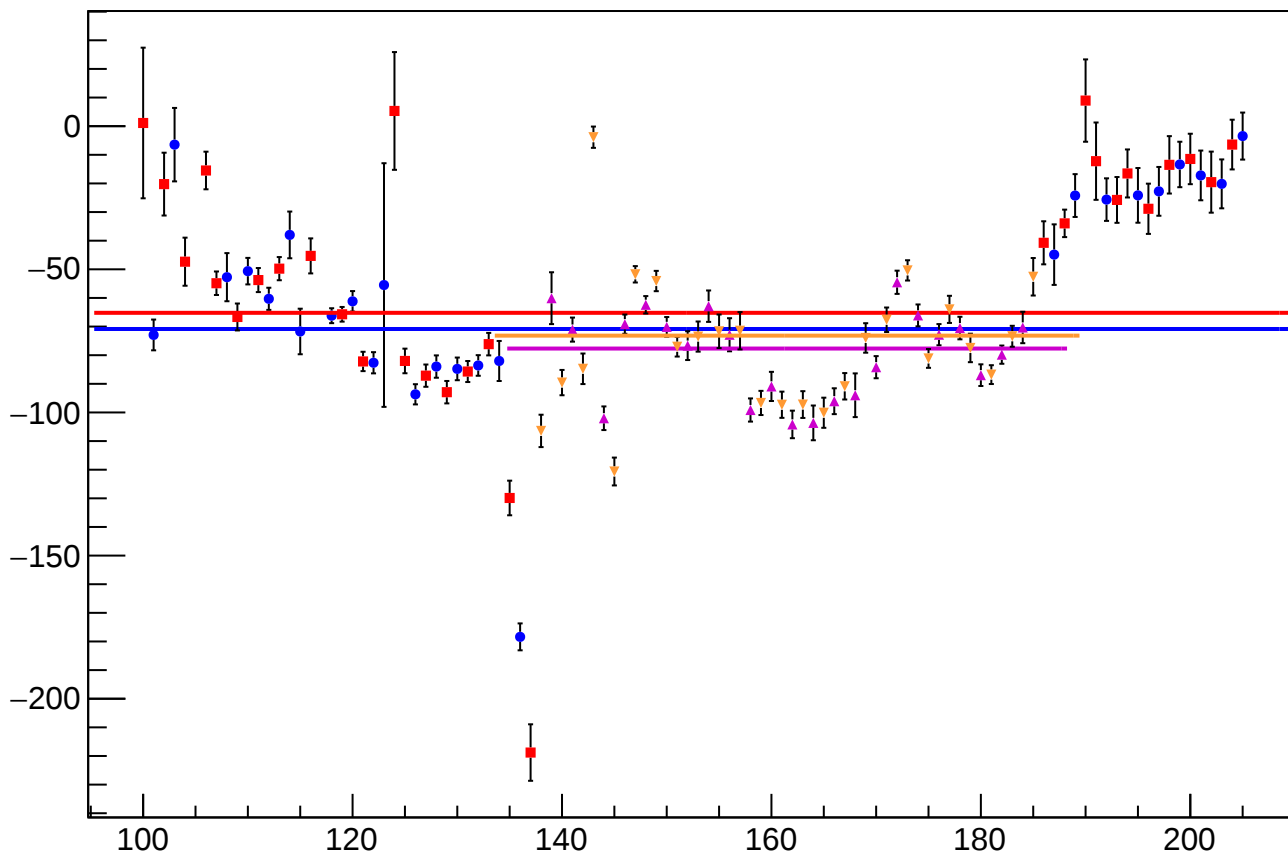
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -160.094 ± 0.757 χ^2/NDF : 5452.8/50

All: -164.927 ± 0.520 χ^2/NDF : 12294.6/103

- sign -169.231 ± 0.714 χ^2/NDF : 6764.7/52

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -70.846 ± 1.011 χ^2/NDF : 1028.2/25

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -65.197 ± 0.971 χ^2/NDF : 951.9/29

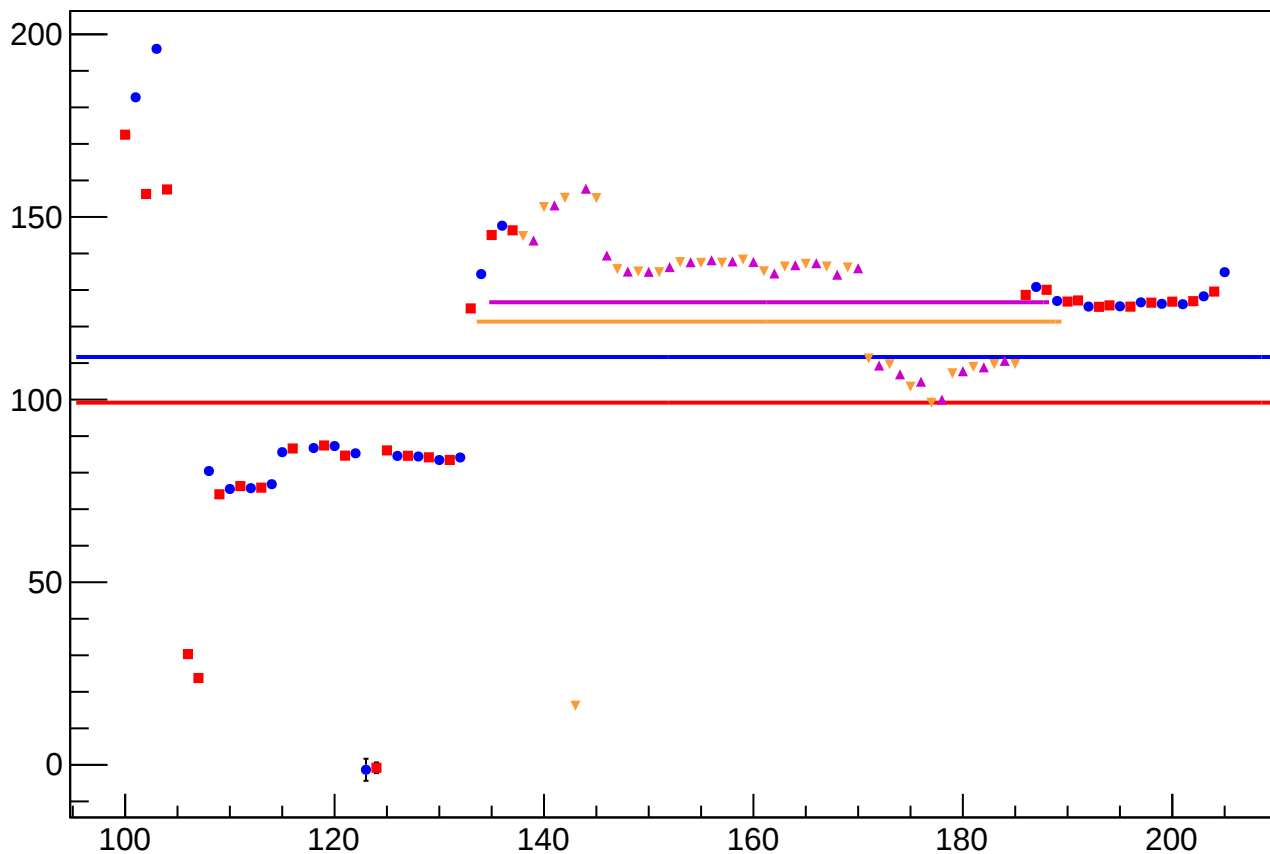
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -72.203 ± 0.651 χ^2/NDF : 1819.9/50

All: -72.118 ± 0.461 χ^2/NDF : 3110.5/103

- sign -72.032 ± 0.653 χ^2/NDF : 1290.6/52

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 111.659 $\pm$ 0.057 χ^2 /NDF: 310877.3/25

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 99.167 $\pm$ 0.052 χ^2 /NDF: 568262.4/29

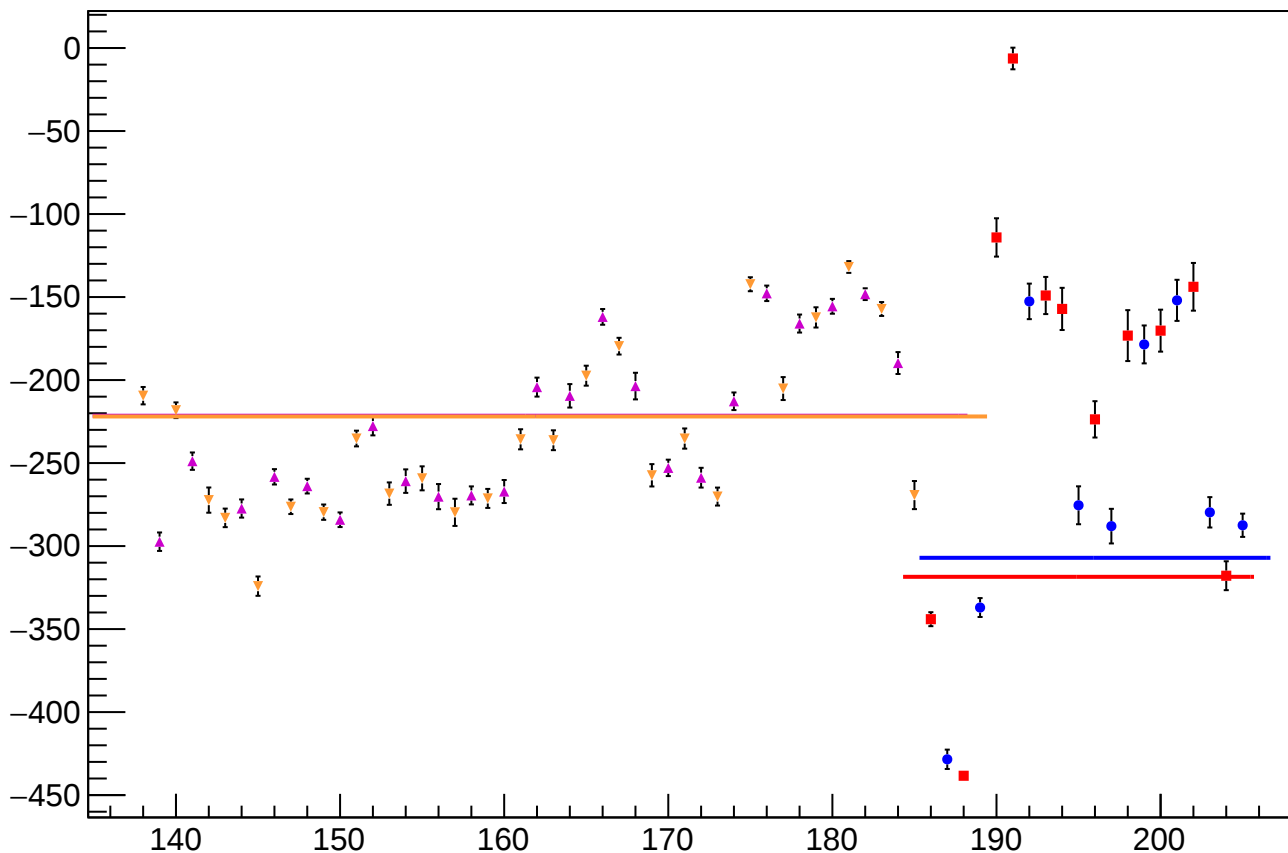
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.149 $\pm$ 0.033 χ^2 /NDF: 811996.5/50

All: 117.096 $\pm$ 0.023 χ^2 /NDF: 1717376.8/103

- sign 116.090 $\pm$ 0.032 χ^2 /NDF: 903386.1/52

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -307.066 ± 2.748 χ^2/NDF : 980.6/8

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -318.518 ± 2.012 χ^2/NDF : 5043.2/10

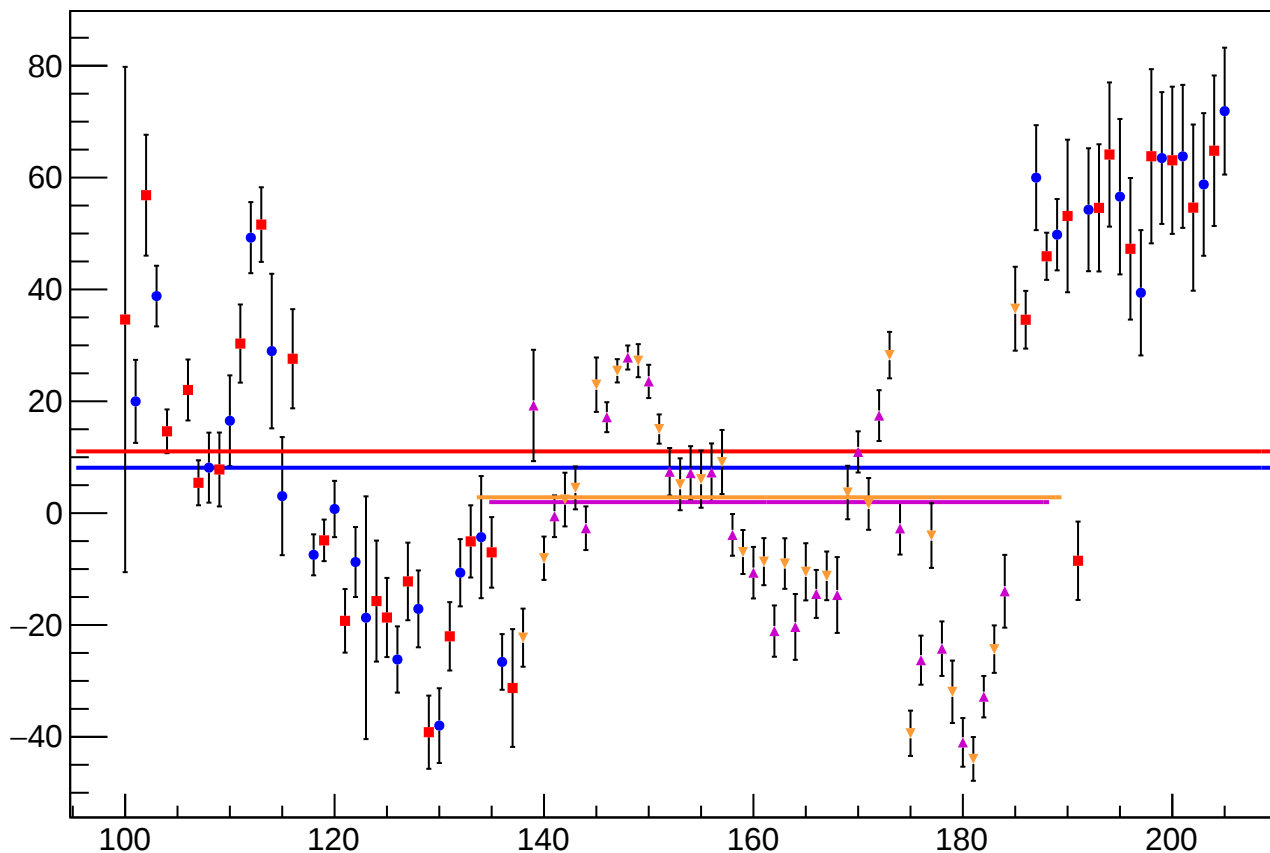
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -233.403 ± 1.009 χ^2/NDF : 4389.2/33

All: -238.870 ± 0.698 χ^2/NDF : 13428.2/67

- sign -243.889 ± 0.967 χ^2/NDF : 8982.6/33

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 8.119 ± 1.405 $\chi^2/\text{NDF}: 462.7/25$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 11.040 ± 1.223 $\chi^2/\text{NDF}: 471.9/29$

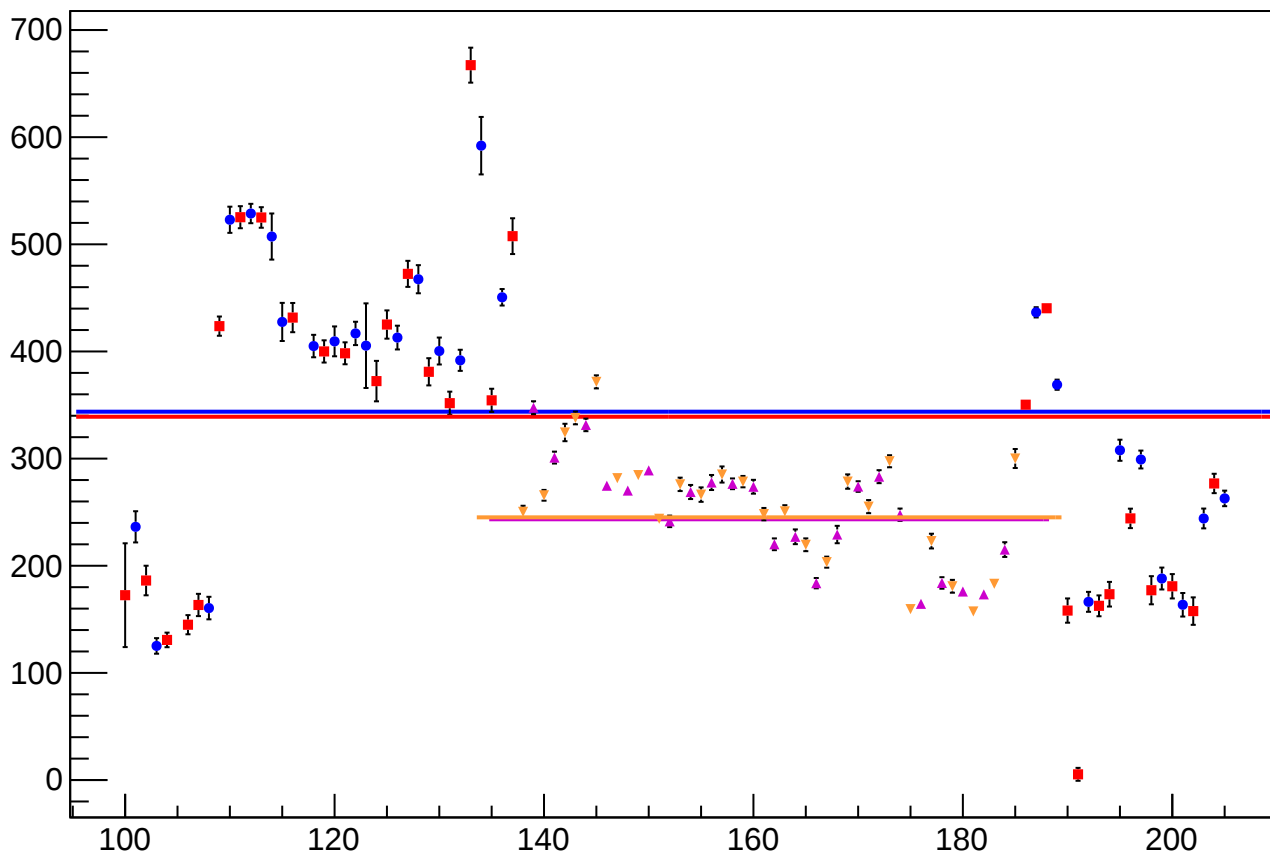
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 4.144 ± 0.700 $\chi^2/\text{NDF}: 1160.3/50$

All: 4.503 ± 0.491 $\chi^2/\text{NDF}: 2259.3/103$

- sign 4.853 ± 0.689 $\chi^2/\text{NDF}: 1098.5/52$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 343.791 $\pm$ 1.820 χ^2 /NDF: 4081.3/25

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 339.074 $\pm$ 1.406 χ^2 /NDF: 9702.7/29

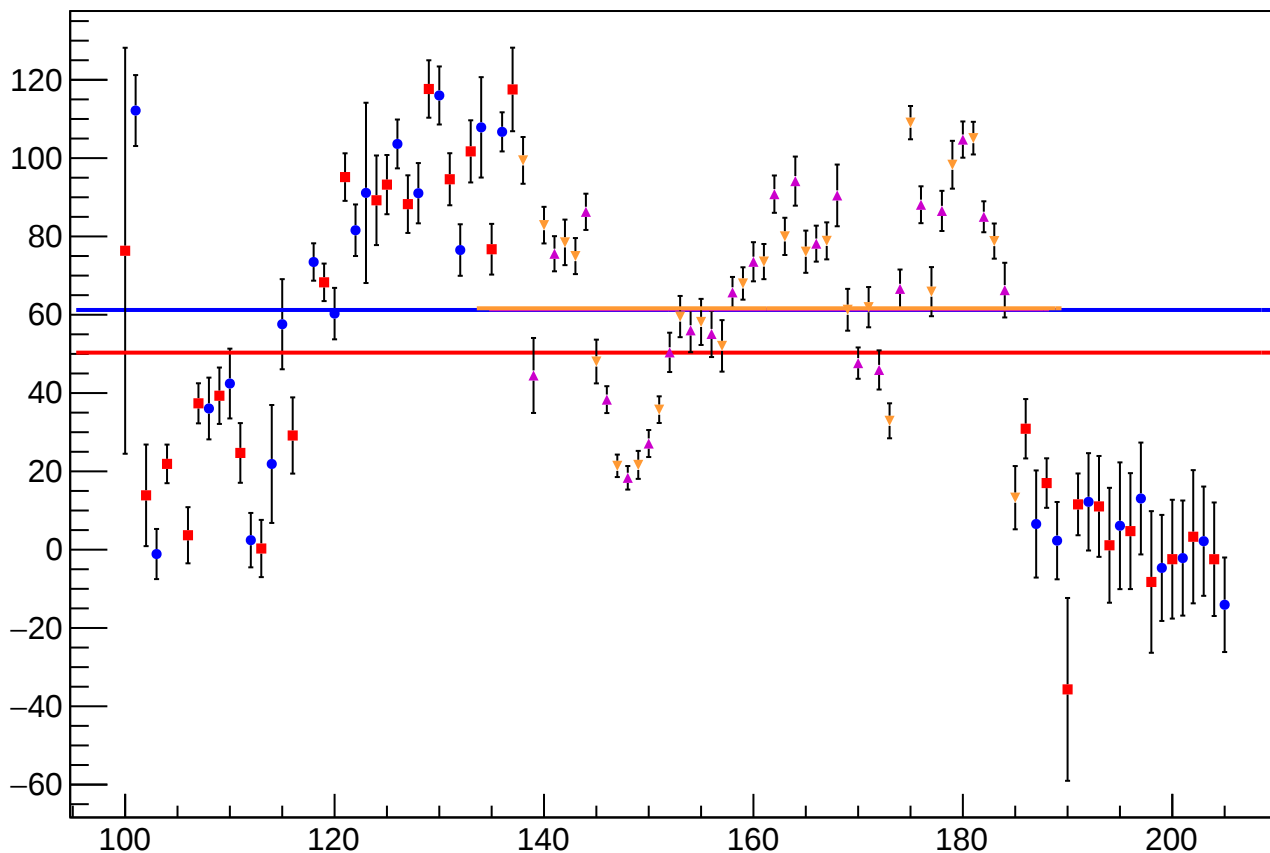
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 270.925 $\pm$ 0.930 χ^2 /NDF: 8847.2/50

All: 275.509 $\pm$ 0.633 χ^2 /NDF: 23719.8/103

- sign 279.457 $\pm$ 0.863 χ^2 /NDF: 14827.4/52

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 61.219 ± 1.638 χ^2/NDF : 643.9/25

Left Out: 61.647 ± 0.936 χ^2/NDF : 871.5/24

Right Out: 50.323 ± 1.465 χ^2/NDF : 666.6/29

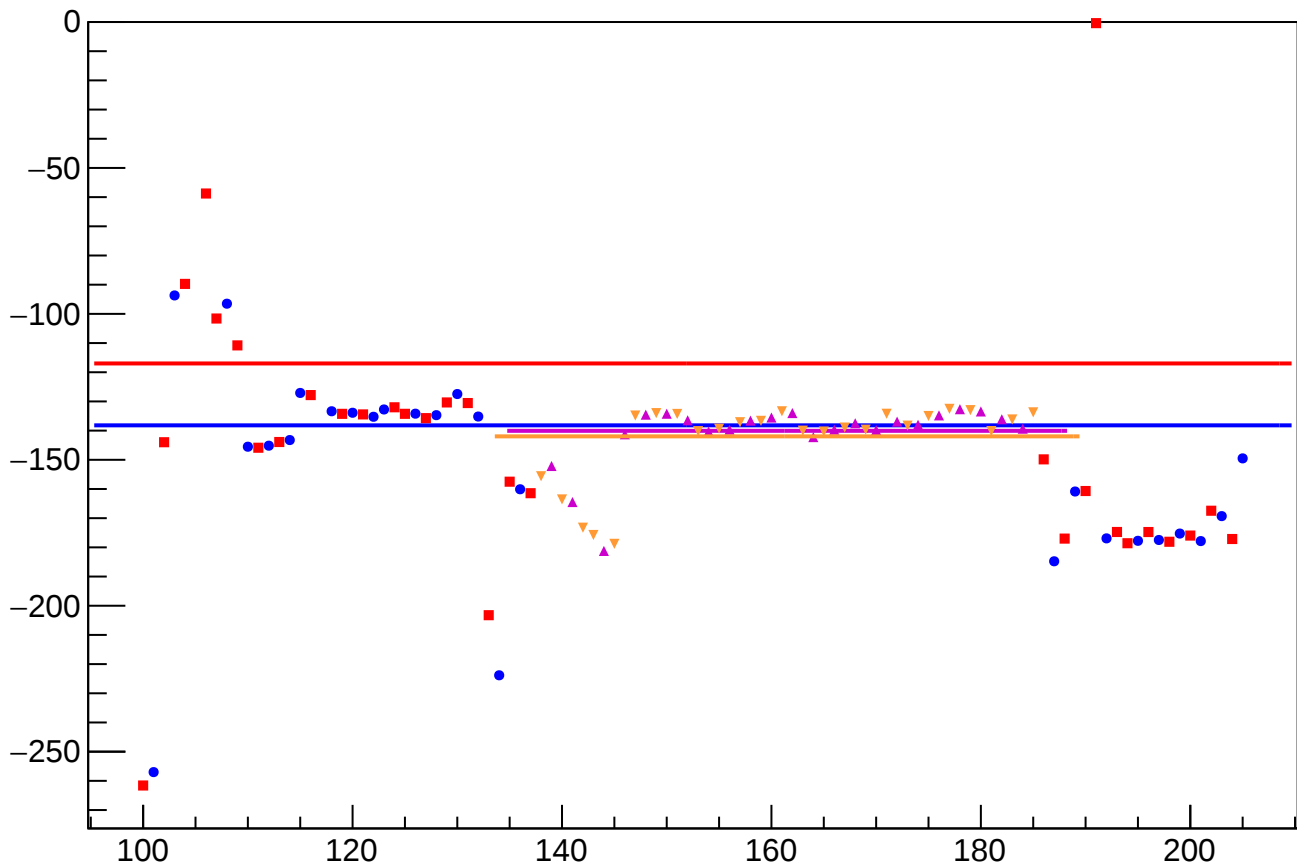
Left In: 61.375 ± 0.961 χ^2/NDF : 699.7/22

+ sign 61.542 ± 0.813 χ^2/NDF : 1515.5/50

All: 59.776 ± 0.571 χ^2/NDF : 2930.9/103

- sign 58.050 ± 0.804 χ^2/NDF : 1406.1/52

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -138.193 ± 0.078 $\chi^2/\text{NDF}: 233021.3/25$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -116.988 ± 0.069 $\chi^2/\text{NDF}: 606804.1/29$

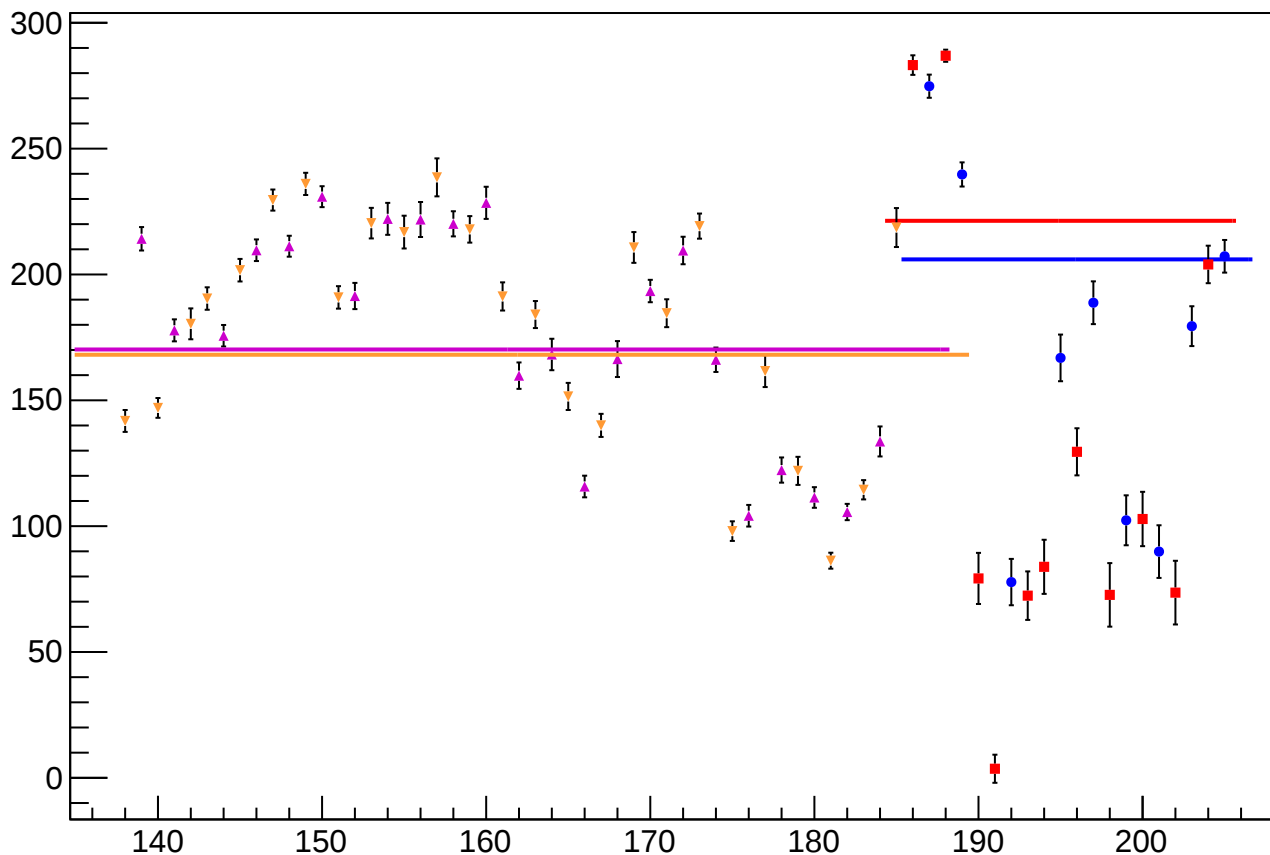
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -141.036 ± 0.039 $\chi^2/\text{NDF}: 315036.6/50$

All: -136.957 ± 0.027 $\chi^2/\text{NDF}: 1070534.8/10$

- sign -133.119 ± 0.038 $\chi^2/\text{NDF}: 734031.6/52$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 205.994 ± 2.313 $\chi^2/\text{NDF}: 732.5/8$

Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$

Right Out: 221.324 ± 1.690 $\chi^2/\text{NDF}: 3609.1/10$

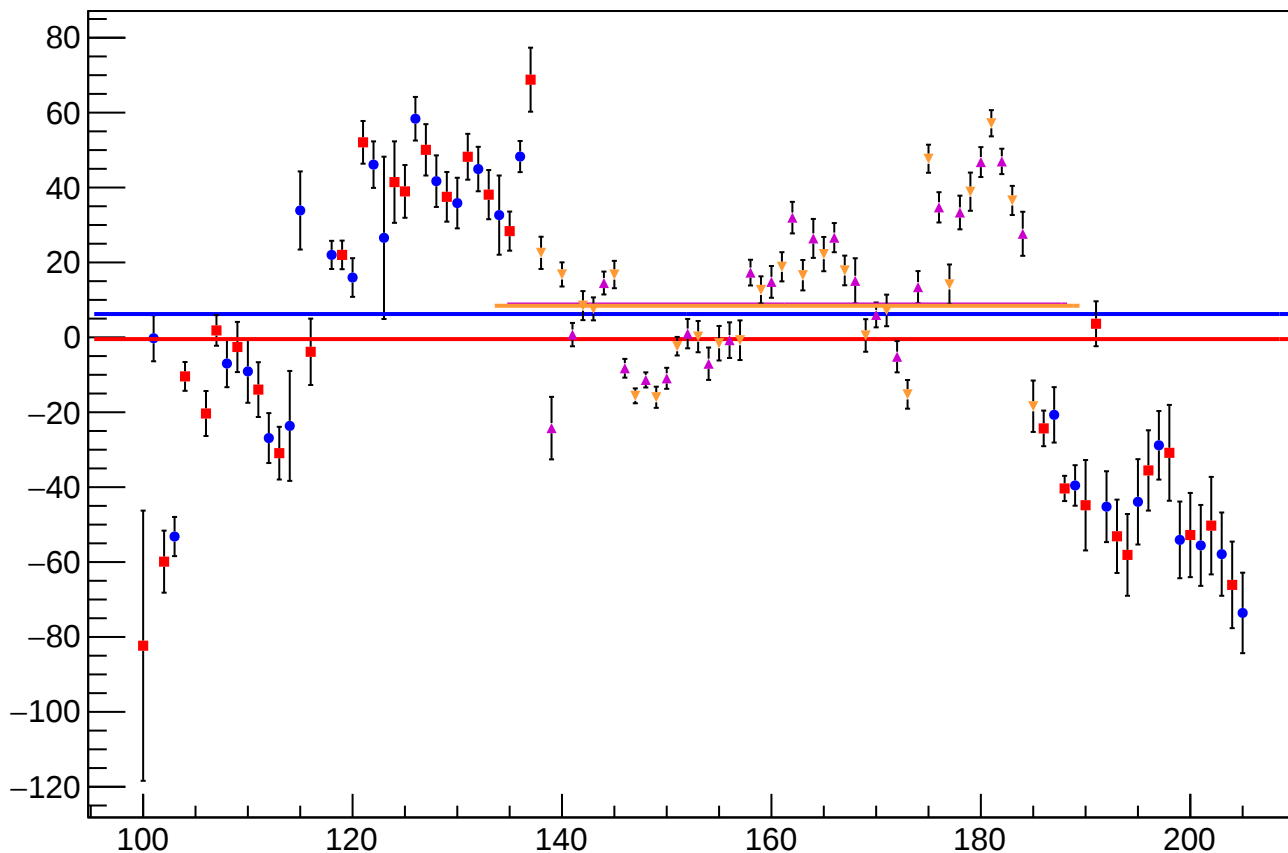
Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 173.776 ± 0.895 $\chi^2/\text{NDF}: 3429.5/33$

All: 178.772 ± 0.619 $\chi^2/\text{NDF}: 9802.3/67$

- sign 183.363 ± 0.858 $\chi^2/\text{NDF}: 6313.0/33$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 6.223 ± 1.335 χ^2/NDF : 818.2/25

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -0.466 ± 1.164 χ^2/NDF : 864.6/29

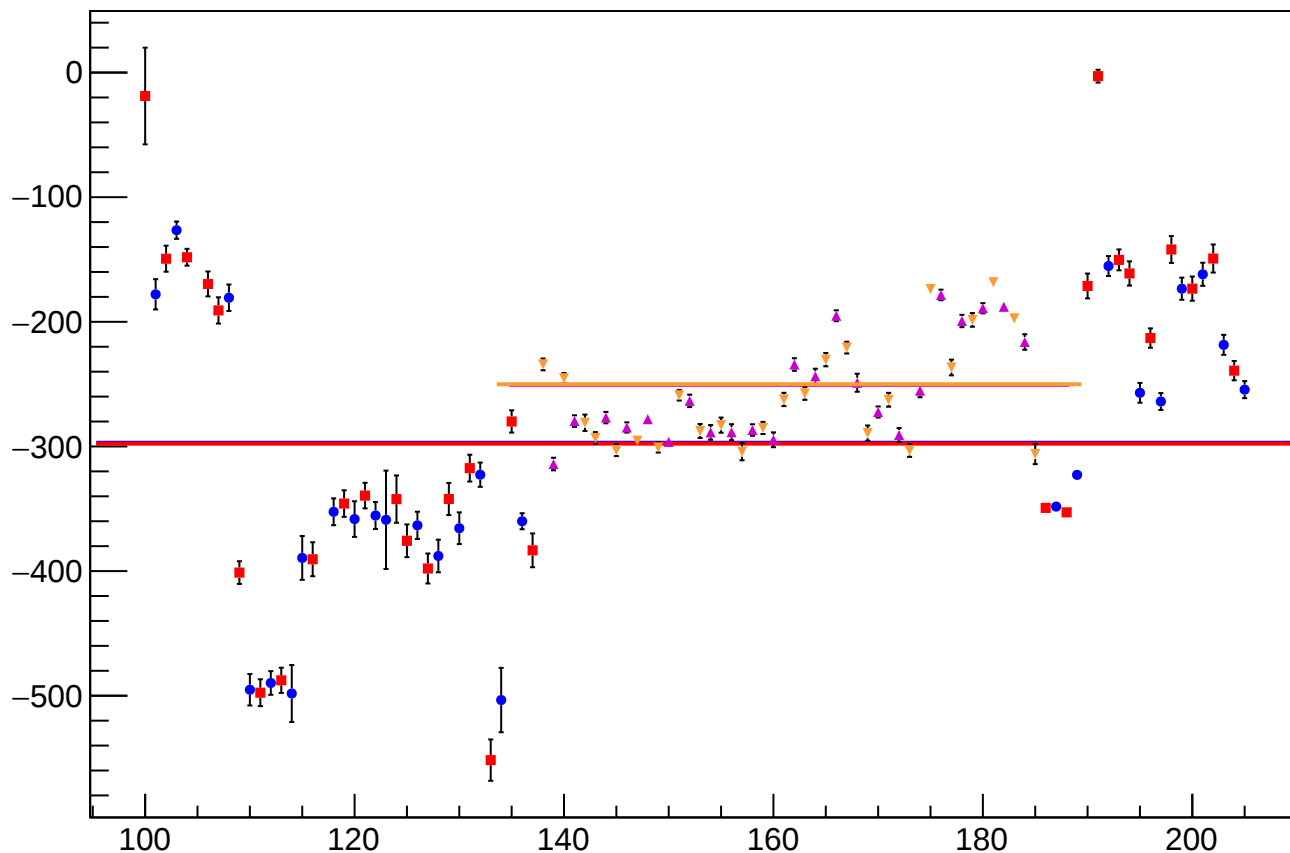
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 7.929 ± 0.639 χ^2/NDF : 1572.4/50

All: 6.967 ± 0.451 χ^2/NDF : 3112.5/103

- sign 6.016 ± 0.635 χ^2/NDF : 1535.6/52

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -297.041 ± 1.609 $\chi^2/\text{NDF}: 3070.9/25$

Left Out: -250.119 ± 0.972 $\chi^2/\text{NDF}: 2246.9/24$

Right Out: -297.737 ± 1.230 $\chi^2/\text{NDF}: 8052.0/29$

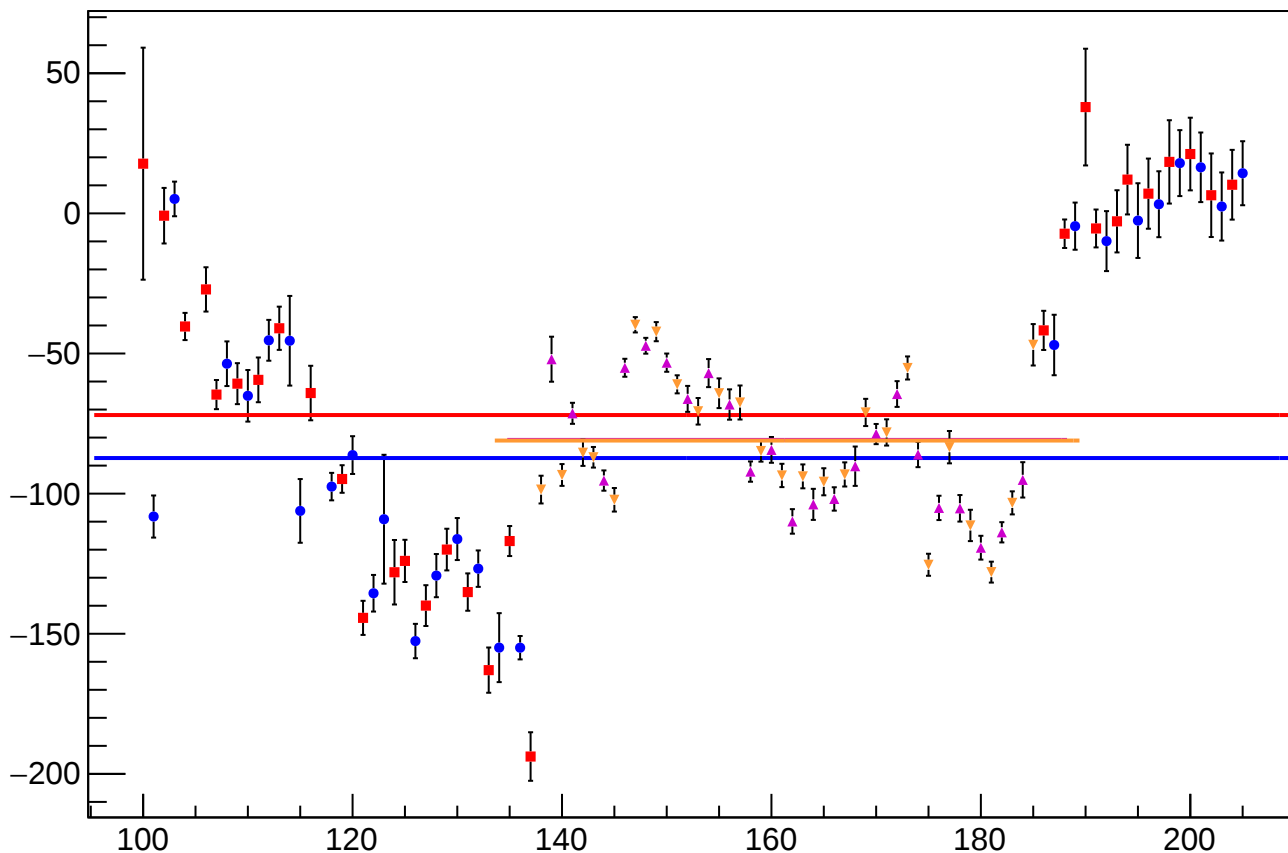
Left In: -250.628 ± 0.990 $\chi^2/\text{NDF}: 1937.1/22$

+ sign -262.667 ± 0.832 $\chi^2/\text{NDF}: 5940.7/50$

All: -266.153 ± 0.566 $\chi^2/\text{NDF}: 16852.0/103$

- sign -269.149 ± 0.772 $\chi^2/\text{NDF}: 10878.6/52$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -87.299 ± 1.557 χ^2/NDF : 1391.9/25

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -71.959 ± 1.400 χ^2/NDF : 1592.9/29

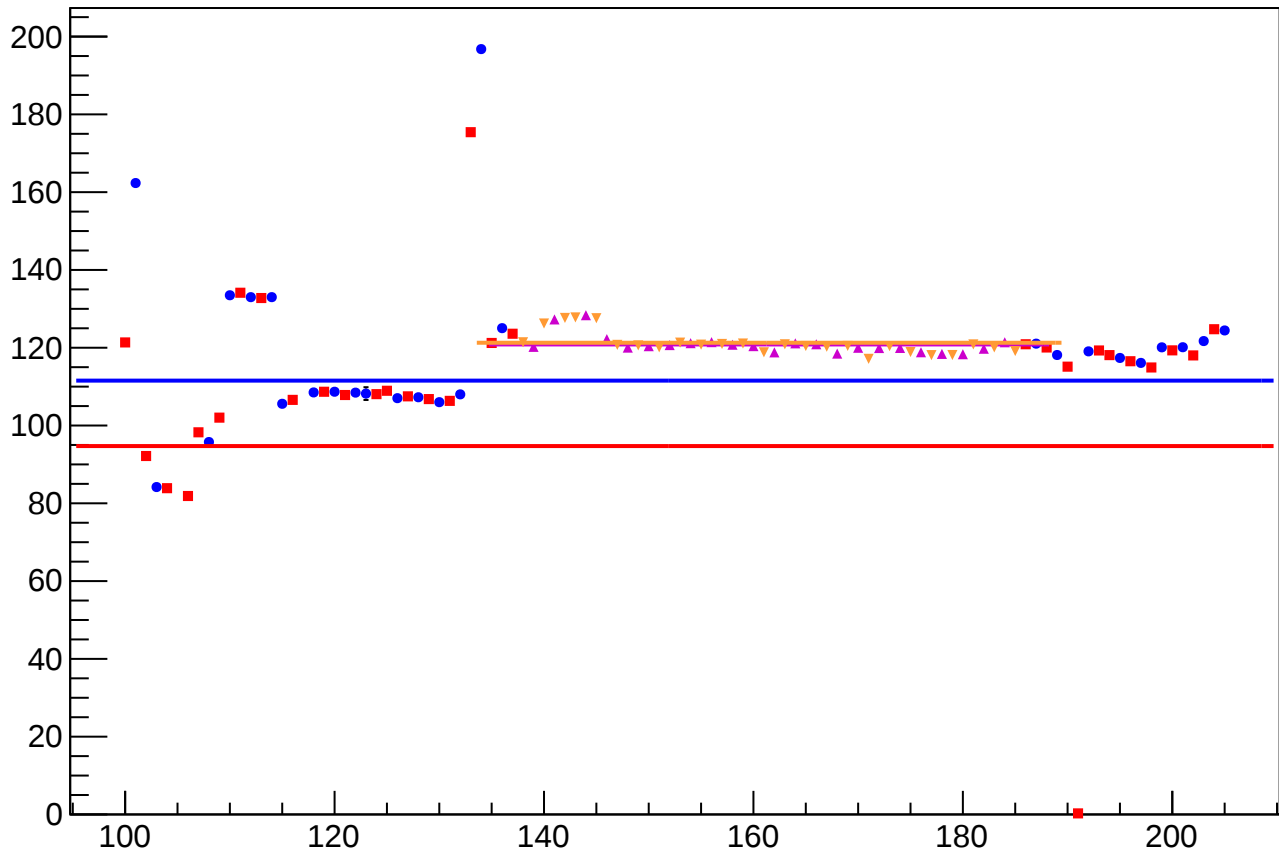
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -82.471 ± 0.741 χ^2/NDF : 2317.4/50

All: -80.408 ± 0.524 χ^2/NDF : 4647.8/103

- sign -78.353 ± 0.740 χ^2/NDF : 2315.0/52

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 111.544 $\pm$ 0.072 χ^2 /NDF: 78200.5/25

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 94.717 $\pm$ 0.063 χ^2 /NDF: 359649.8/29

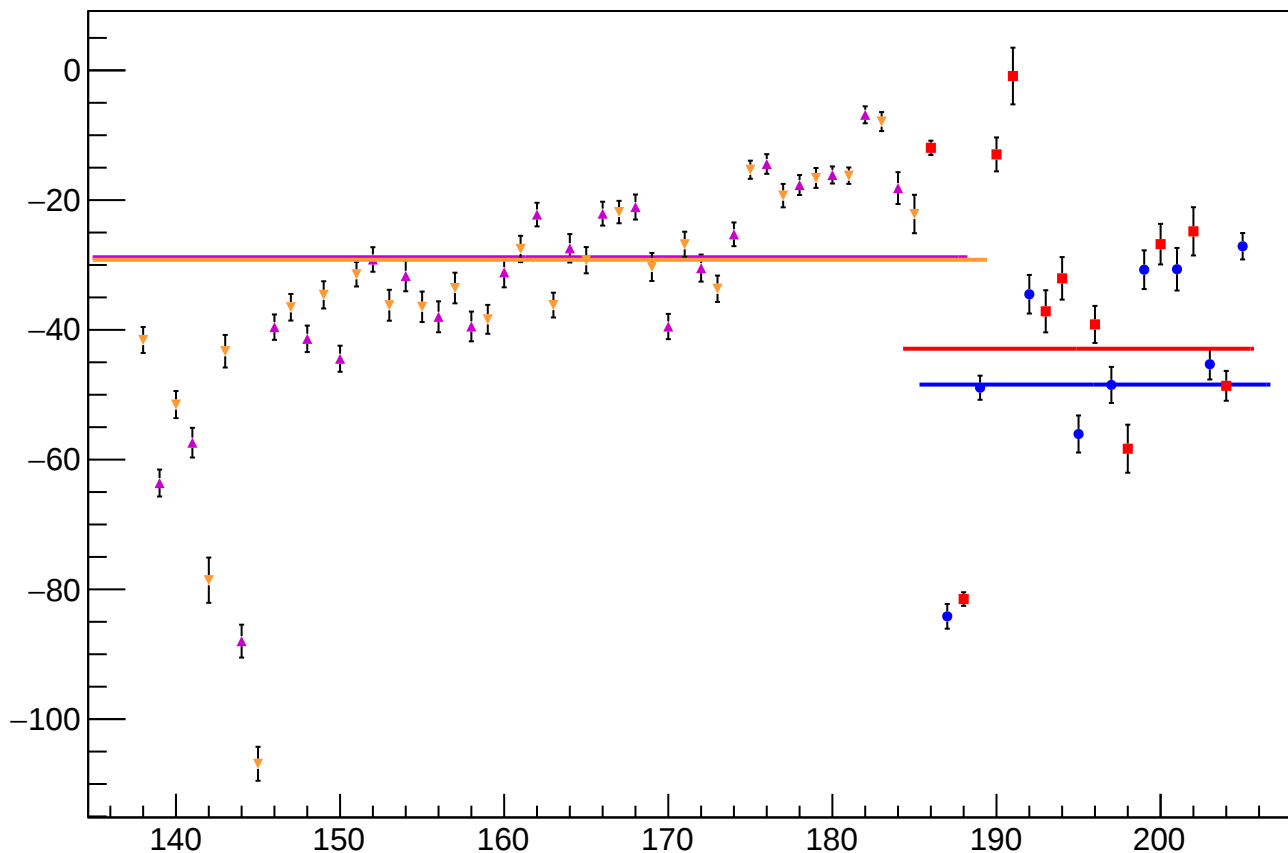
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.985 $\pm$ 0.035 χ^2 /NDF: 97056.9/50

All: 116.018 $\pm$ 0.024 χ^2 /NDF: 594813.1/103

- sign 113.190 $\pm$ 0.034 χ^2 /NDF: 483761.6/52

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -48.433 ± 0.802 $\chi^2/\text{NDF}: 556.4/8$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -42.909 ± 0.610 $\chi^2/\text{NDF}: 2461.1/10$

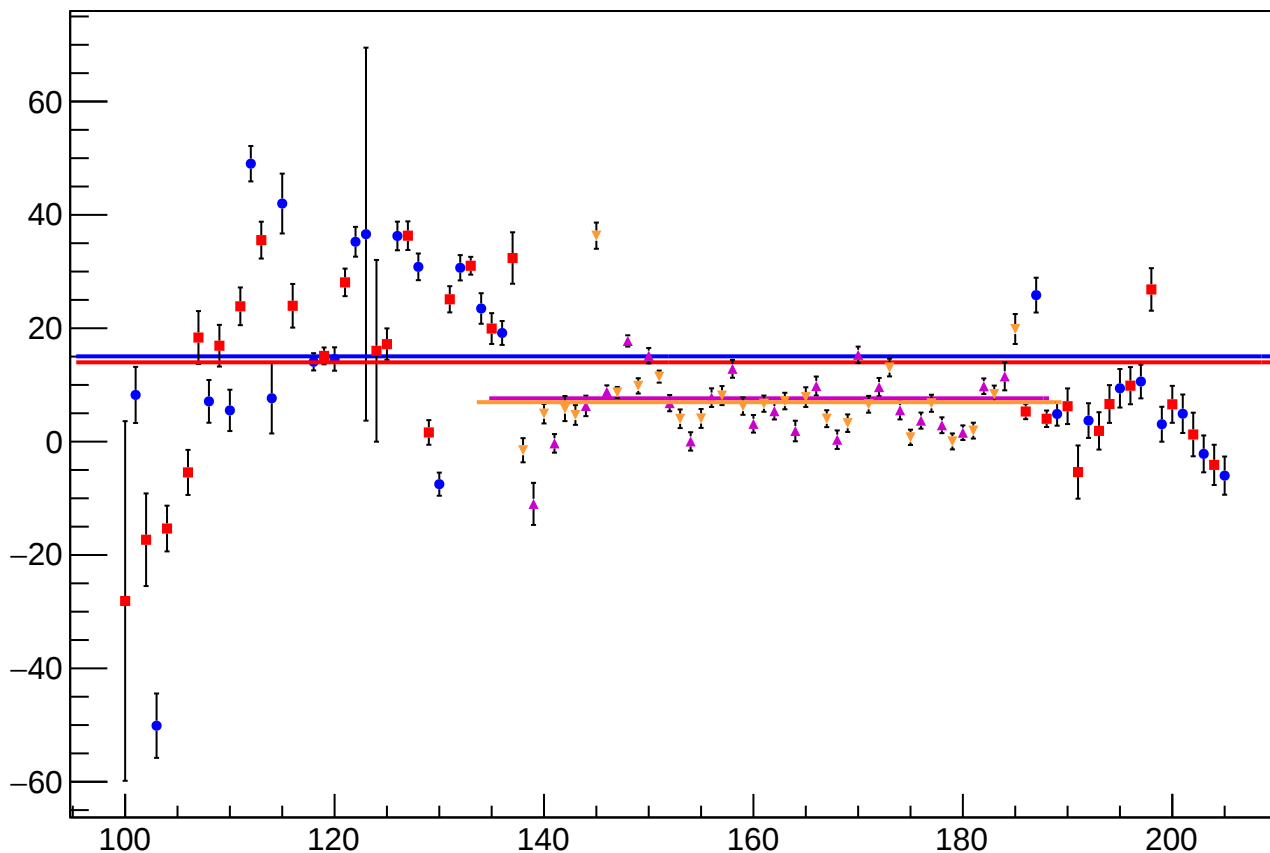
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -32.857 ± 0.350 $\chi^2/\text{NDF}: 2903.9/33$

All: -32.920 ± 0.241 $\chi^2/\text{NDF}: 7504.7/67$

- sign -32.976 ± 0.332 $\chi^2/\text{NDF}: 4600.8/33$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.044 ± 0.546 χ^2/NDF : 797.8/25

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 13.989 ± 0.490 χ^2/NDF : 647.7/29

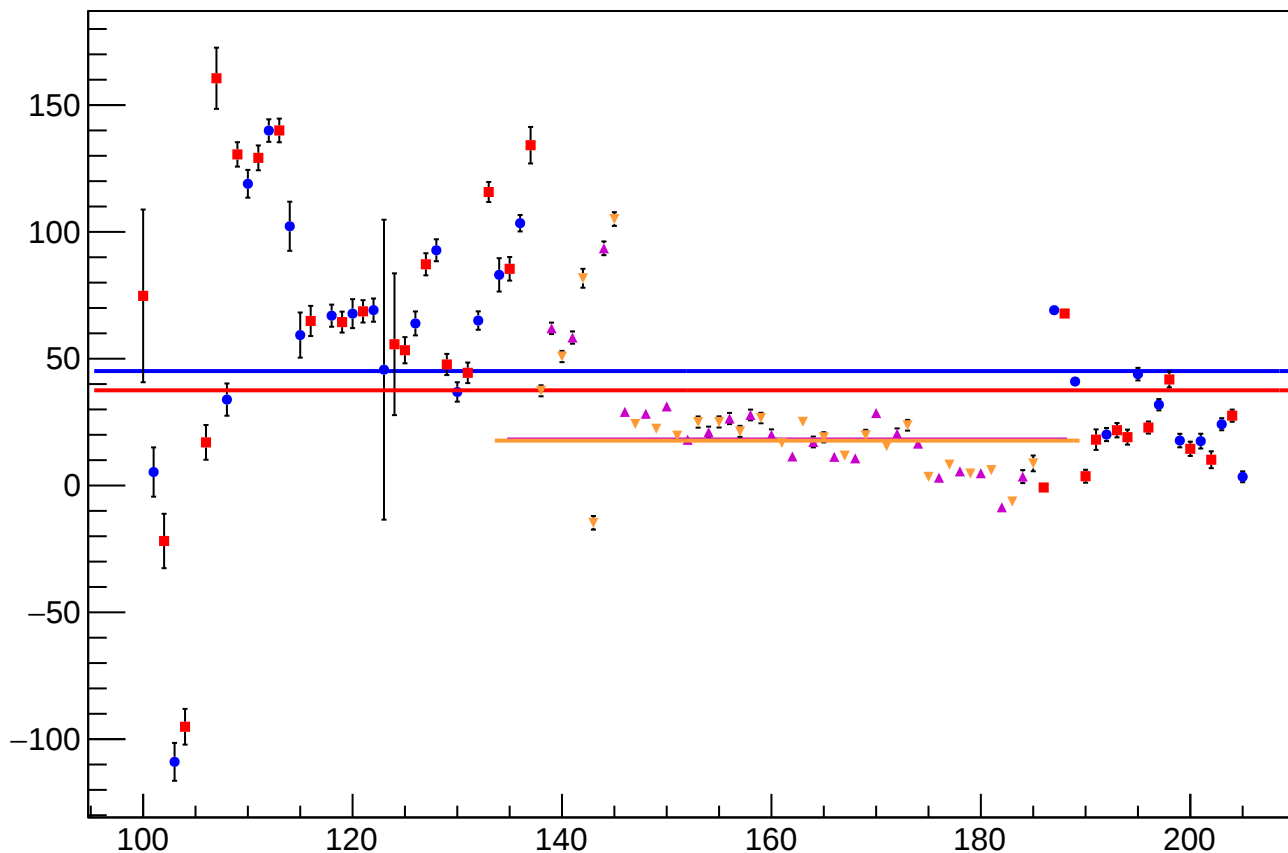
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 8.866 ± 0.265 χ^2/NDF : 1286.9/50

All: 9.177 ± 0.187 χ^2/NDF : 2394.4/103

- sign 9.486 ± 0.264 χ^2/NDF : 1104.7/52

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 45.126+/-0.617 χ^2/NDF : 2733.1/25

Left Out: 17.705+/-0.387 χ^2/NDF : 2432.2/24

Right Out: 37.534+/-0.472 χ^2/NDF : 6292.8/29

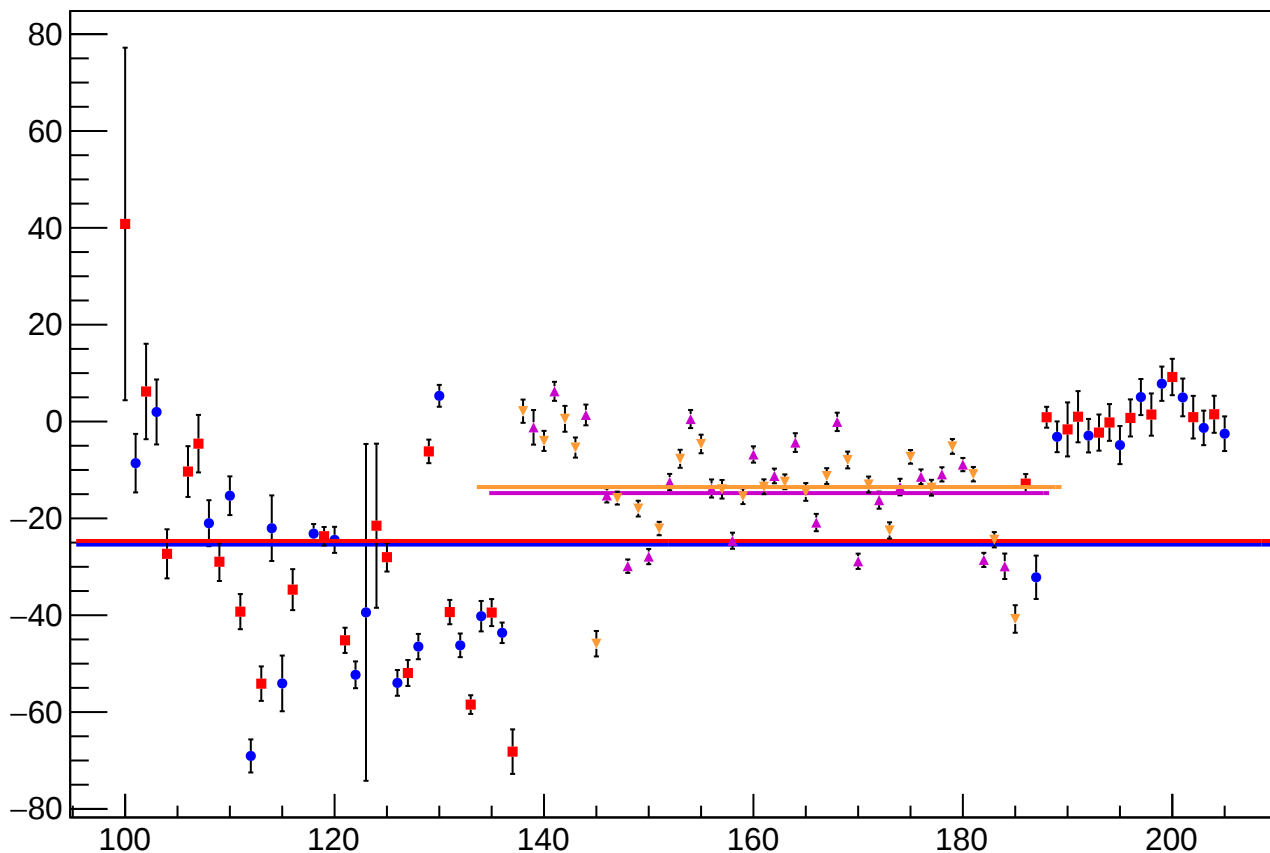
Left In: 18.150+/-0.393 χ^2/NDF : 2339.4/22

+ sign 25.452+/-0.328 χ^2/NDF : 6582.0/50

All: 25.788+/-0.222 χ^2/NDF : 16212.7/103

- sign 26.073+/-0.302 χ^2/NDF : 9628.7/52

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -25.409 ± 0.637 $\chi^2/\text{NDF}: 1273.6/25$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -24.663 ± 0.594 $\chi^2/\text{NDF}: 1343.9/29$

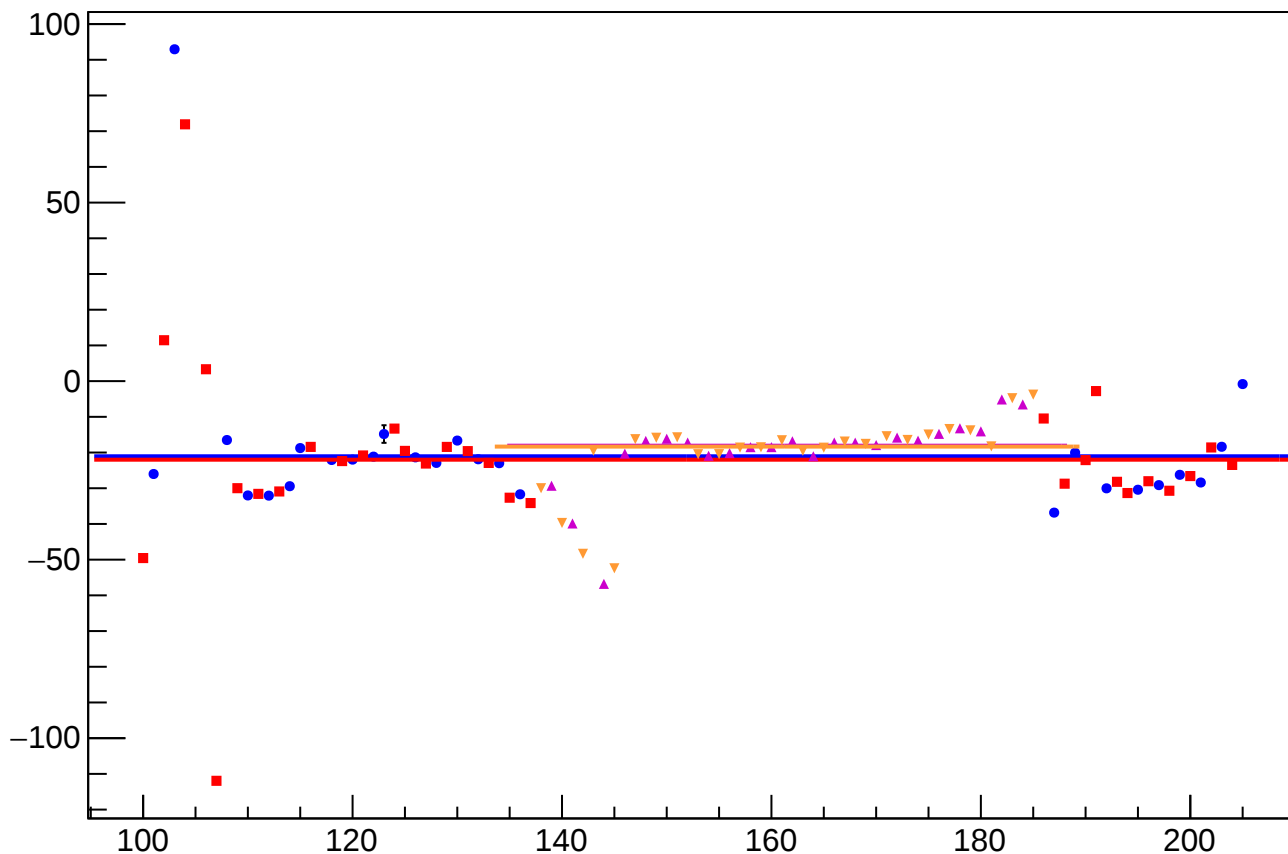
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.216 ± 0.303 $\chi^2/\text{NDF}: 2115.8/50$

All: -16.789 ± 0.215 $\chi^2/\text{NDF}: 4509.0/103$

- sign -17.368 ± 0.304 $\chi^2/\text{NDF}: 2386.0/52$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.047 ± 0.031 χ^2/NDF : 527835.0/25

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -22.005 ± 0.029 χ^2/NDF : 486484.6/29

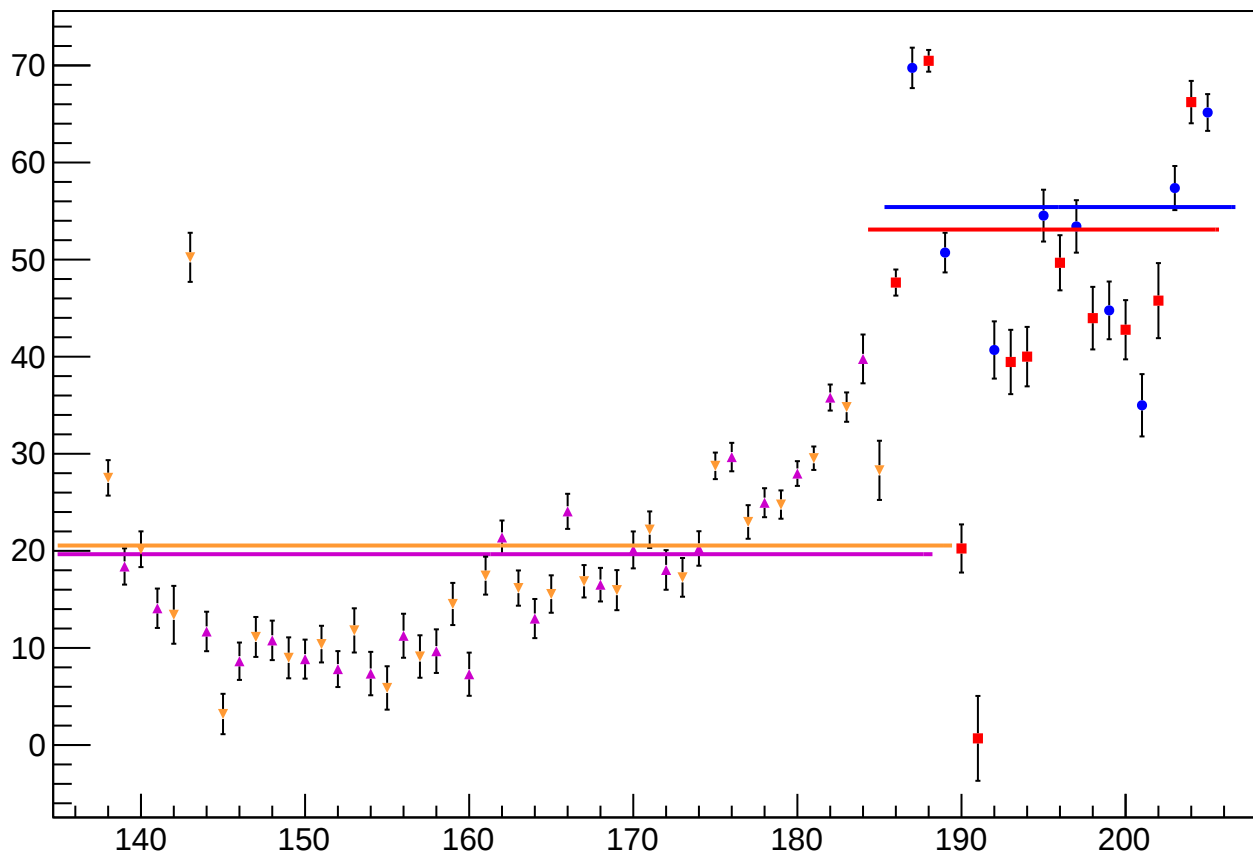
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.903 ± 0.014 χ^2/NDF : 818136.6/50

All: -18.951 ± 0.010 χ^2/NDF : 1560473.7/103

- sign -18.999 ± 0.014 χ^2/NDF : 742313.8/52

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 55.412 ± 0.804 $\chi^2/\text{NDF}: 158.7/8$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 53.095 ± 0.649 $\chi^2/\text{NDF}: 673.3/10$

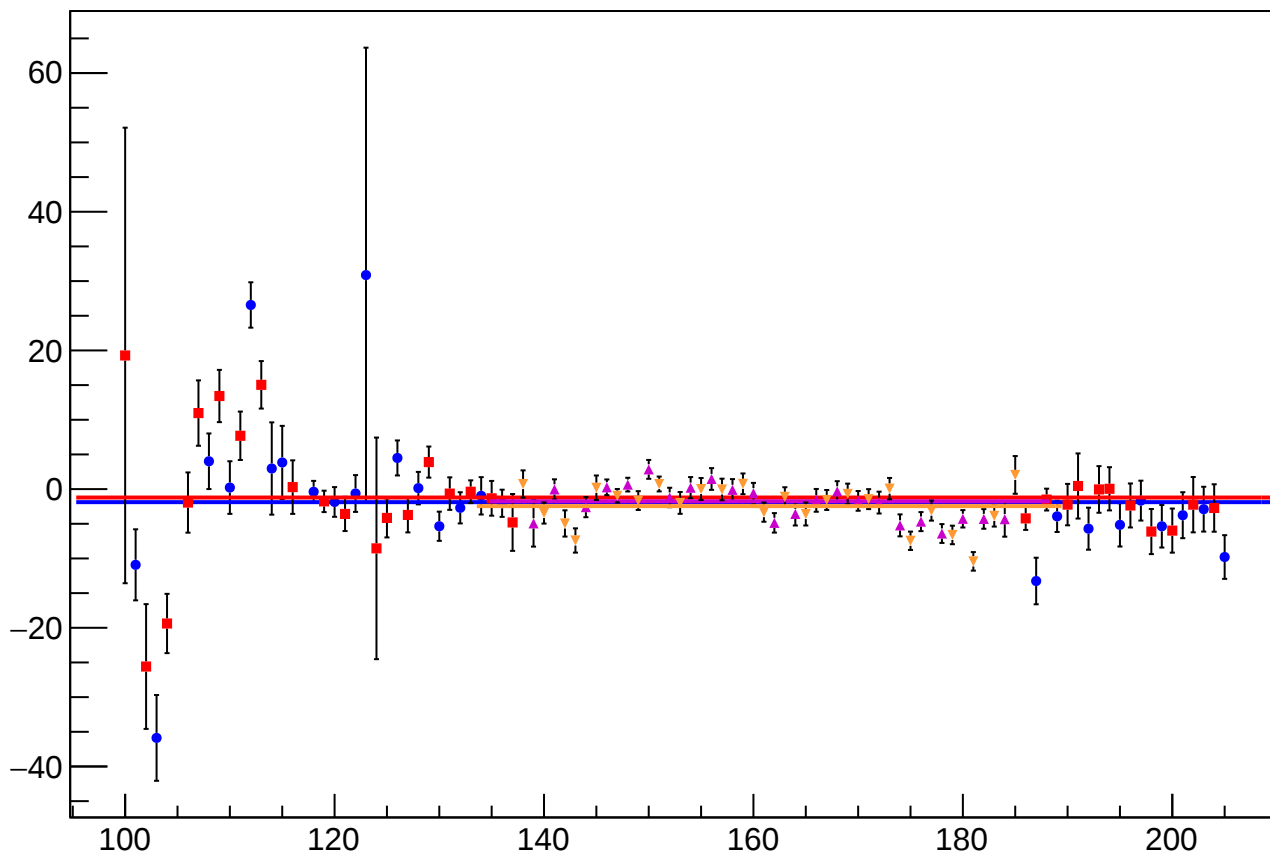
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 26.723 ± 0.338 $\chi^2/\text{NDF}: 2331.2/33$

All: 27.483 ± 0.236 $\chi^2/\text{NDF}: 5560.1/67$

- sign 28.198 ± 0.328 $\chi^2/\text{NDF}: 3219.1/33$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.881 ± 0.552 χ^2/NDF : 148.2/25

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.213 ± 0.508 χ^2/NDF : 95.2/29

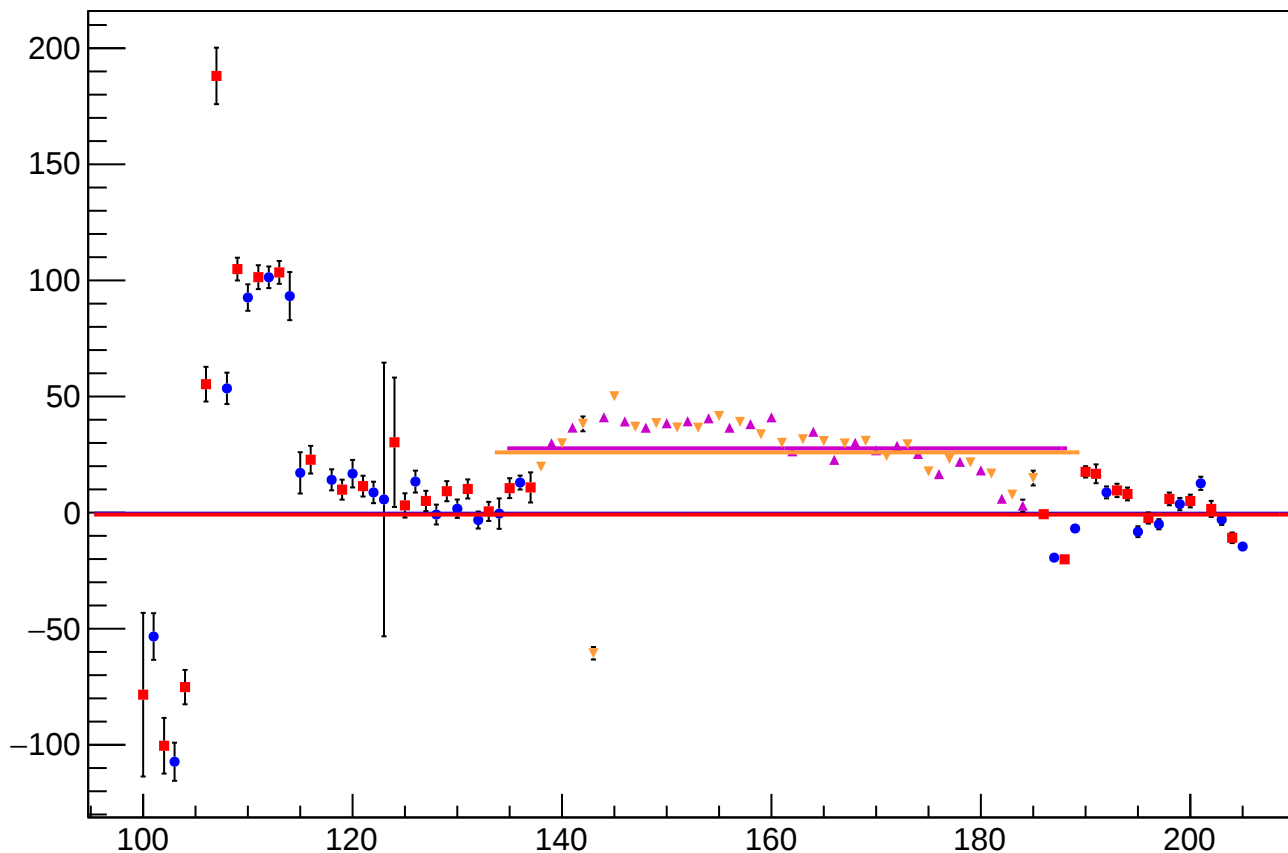
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.329 ± 0.258 χ^2/NDF : 255.0/50

All: -1.974 ± 0.183 χ^2/NDF : 422.3/103

- sign -1.616 ± 0.260 χ^2/NDF : 163.4/52

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -0.453 ± 0.626 $\chi^2/\text{NDF}: 1379.3/25$

Left Out: 25.938 ± 0.372 $\chi^2/\text{NDF}: 1711.6/24$

Right Out: -0.846 ± 0.504 $\chi^2/\text{NDF}: 2423.7/29$

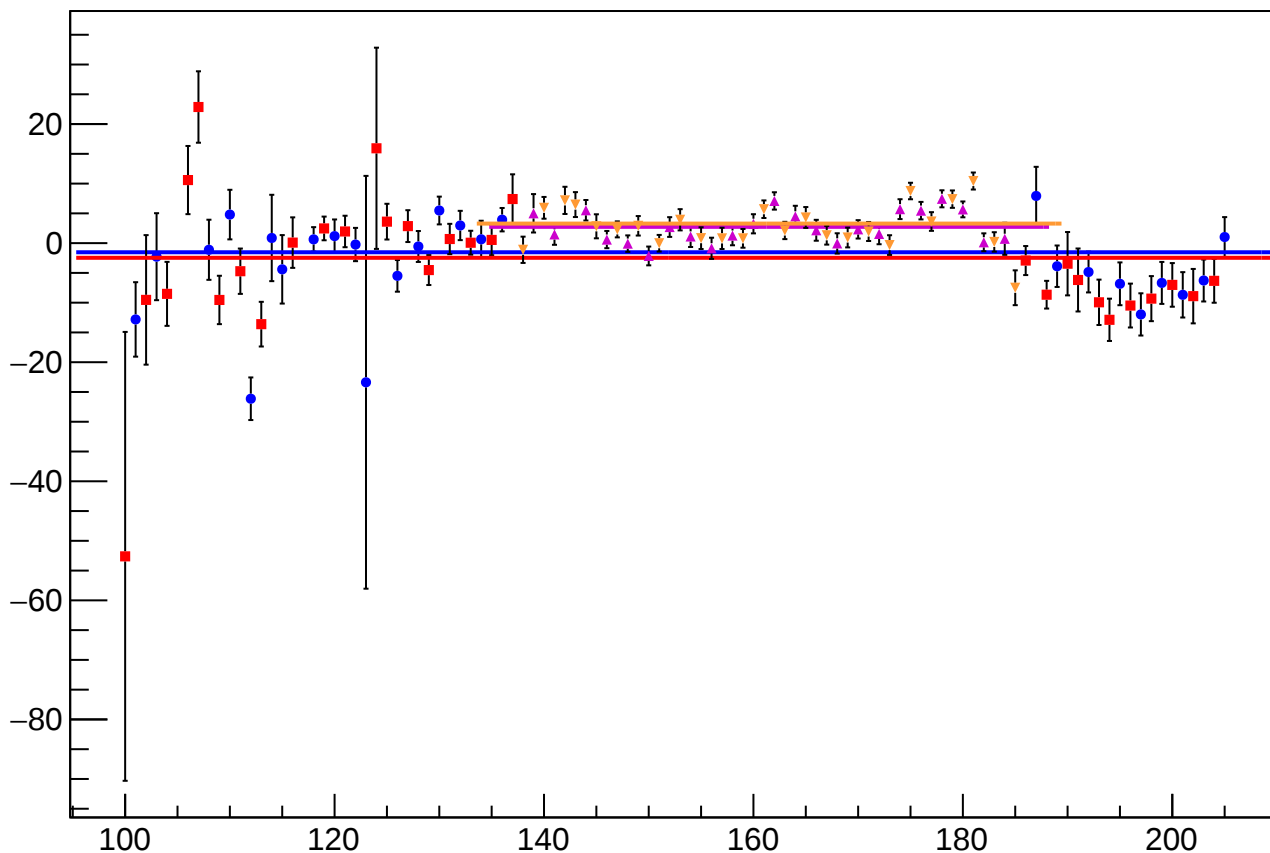
Left In: 27.677 ± 0.378 $\chi^2/\text{NDF}: 803.9/22$

+ sign 19.035 ± 0.320 $\chi^2/\text{NDF}: 4405.1/50$

All: 18.171 ± 0.220 $\chi^2/\text{NDF}: 9695.8/103$

- sign 17.399 ± 0.302 $\chi^2/\text{NDF}: 5276.9/52$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.533 ± 0.639 χ^2/NDF : 102.9/25

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.462 ± 0.610 χ^2/NDF : 100.8/29

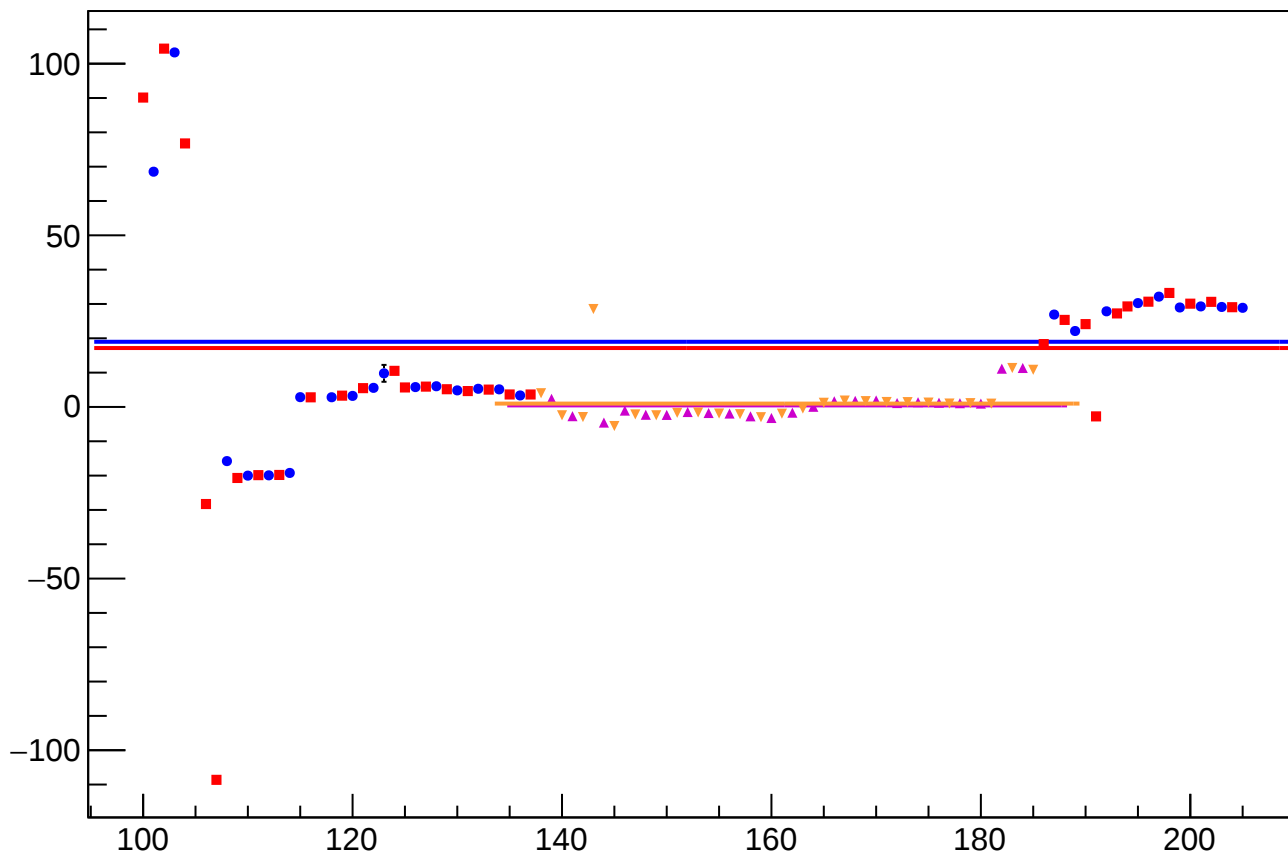
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.262 ± 0.294 χ^2/NDF : 249.9/50

All: 1.885 ± 0.209 χ^2/NDF : 473.9/103

- sign 1.498 ± 0.298 χ^2/NDF : 220.7/52

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 18.987 ± 0.030 $\chi^2/\text{NDF}: 481861.1/25$

Left Out: 0.979 ± 0.015 $\chi^2/\text{NDF}: 117391.3/24$

Right Out: 17.162 ± 0.029 $\chi^2/\text{NDF}: 712285.1/29$

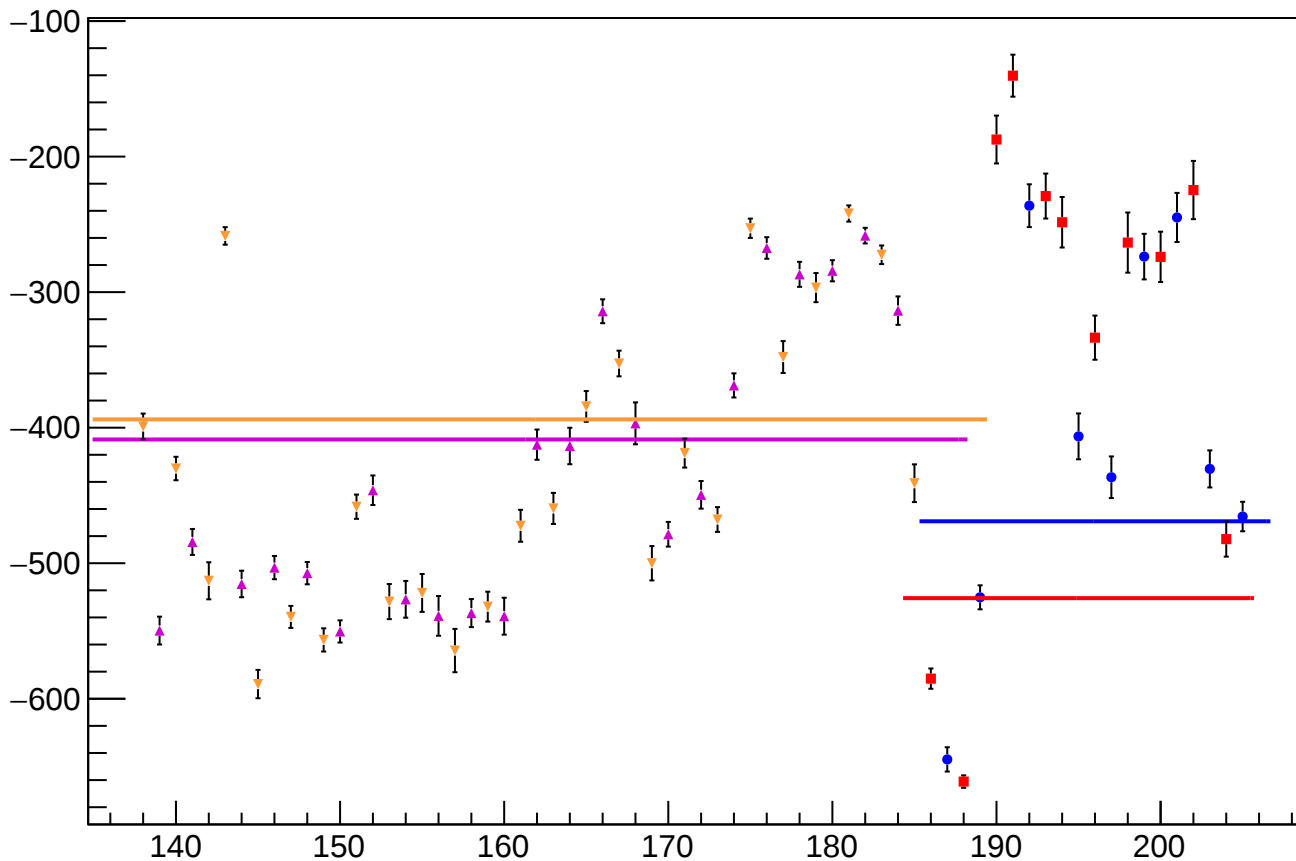
Left In: 0.451 ± 0.015 $\chi^2/\text{NDF}: 50699.8/22$

+ sign 4.574 ± 0.014 $\chi^2/\text{NDF}: 879816.4/50$

All: 4.348 ± 0.010 $\chi^2/\text{NDF}: 1900817.1/103$

- sign 4.120 ± 0.014 $\chi^2/\text{NDF}: 1020443.0/52$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -469.068 $\pm$ 4.177 χ^2 /NDF: 955.7/8

Left Out: -393.871 $\pm$ 1.897 χ^2 /NDF:3772.8/24

Right Out: -525.758 $\pm$ 3.229 χ^2 /NDF: 3129.0/10

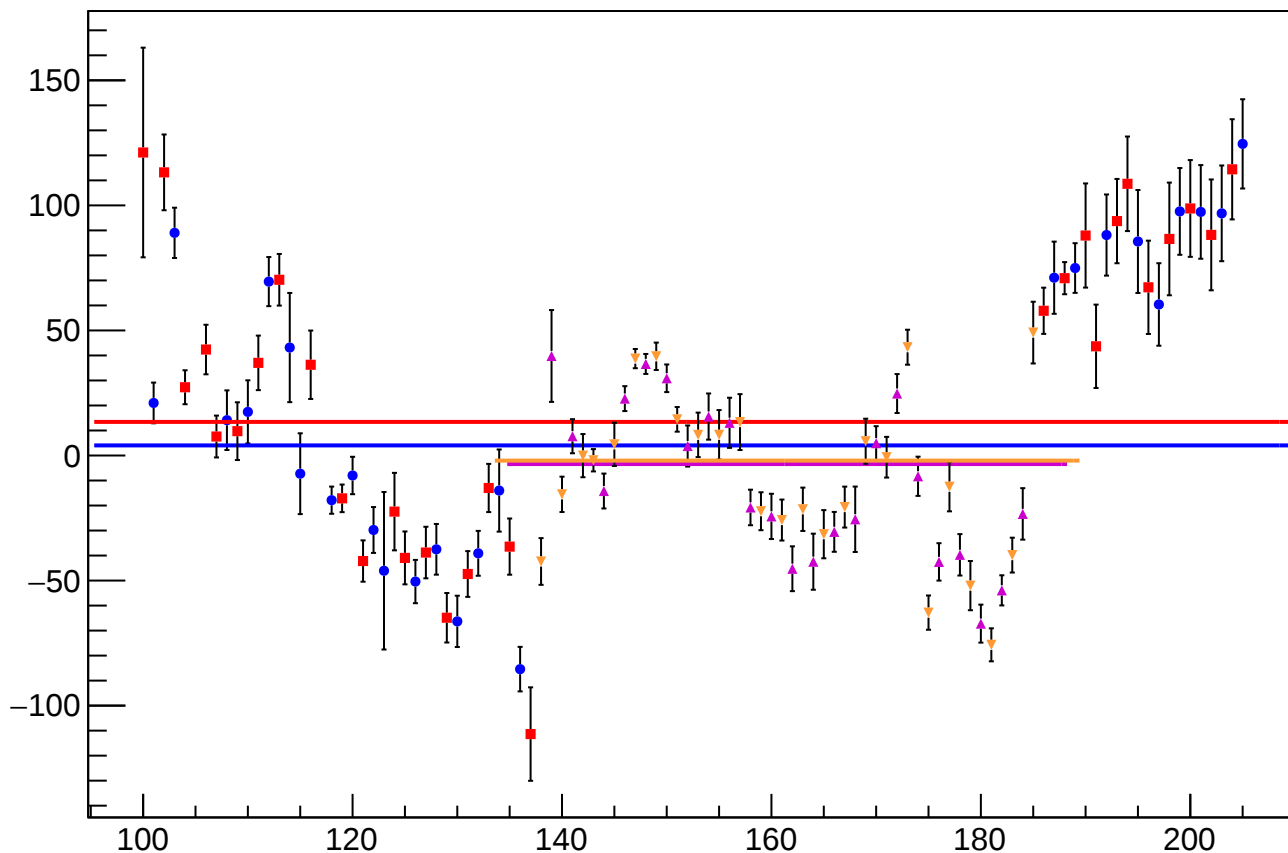
Left In: -408.696 $\pm$ 1.979 χ^2 /NDF:3062.9/22

+ sign -406.727 $\pm$ 1.727 χ^2 /NDF: 4997.2/33

All: -424.091 $\pm$ 1.207 χ^2 /NDF: 12342.0/67

- sign -440.661 $\pm$ 1.687 χ^2 /NDF: 7147.3/33

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 4.036 ± 2.145 χ^2/NDF : 639.4/25

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: 13.439 ± 1.977 χ^2/NDF : 655.7/29

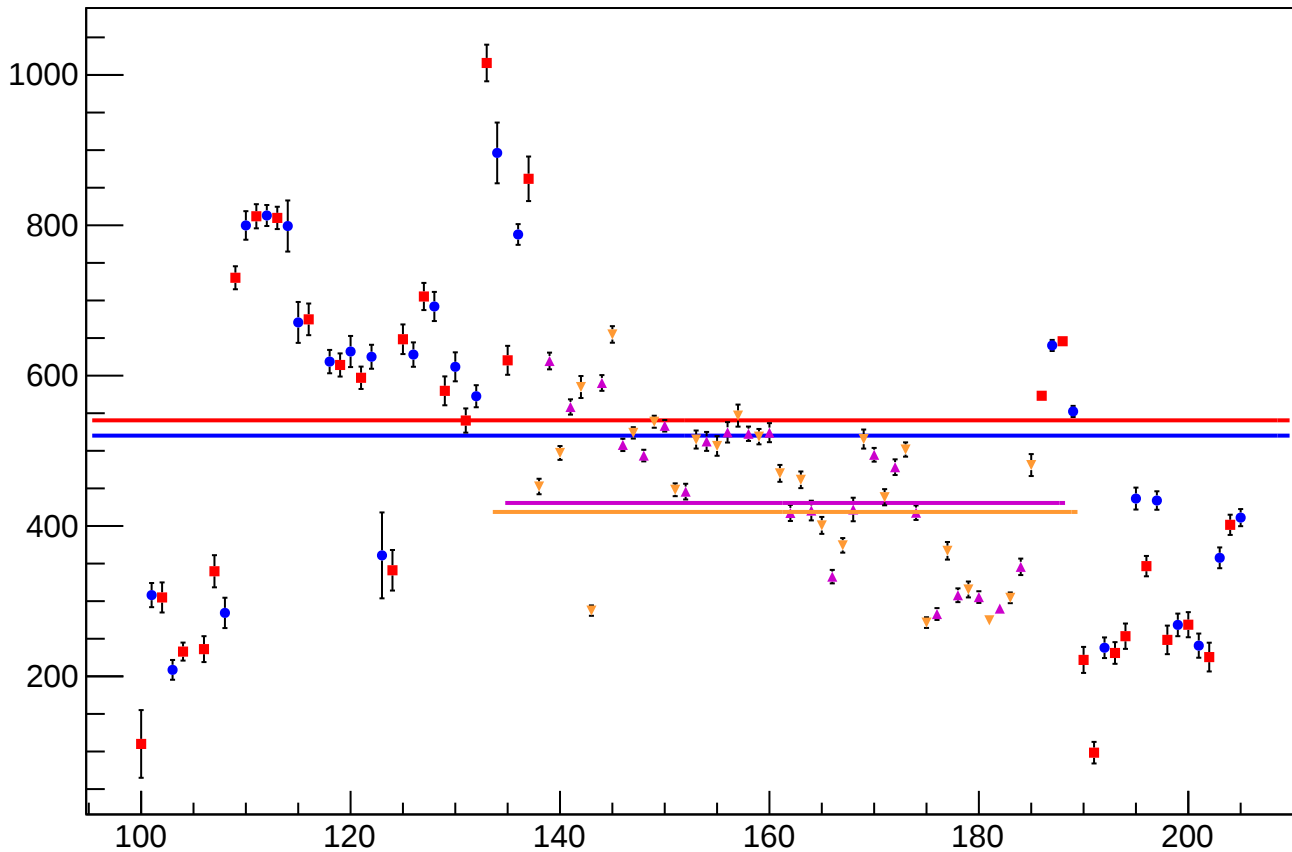
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign -0.178 ± 1.186 χ^2/NDF : 1208.8/50

All: 1.308 ± 0.845 χ^2/NDF : 2364.3/103

- sign 2.842 ± 1.205 χ^2/NDF : 1152.3/52

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 520.207 $\pm$ 2.805 χ^2 /NDF: 3966.8/25

Left Out: 418.680 $\pm$ 1.905 χ^2 /NDF:3296.5/24

Right Out: 540.538 $\pm$ 2.258 χ^2 /NDF: 6787.5/29

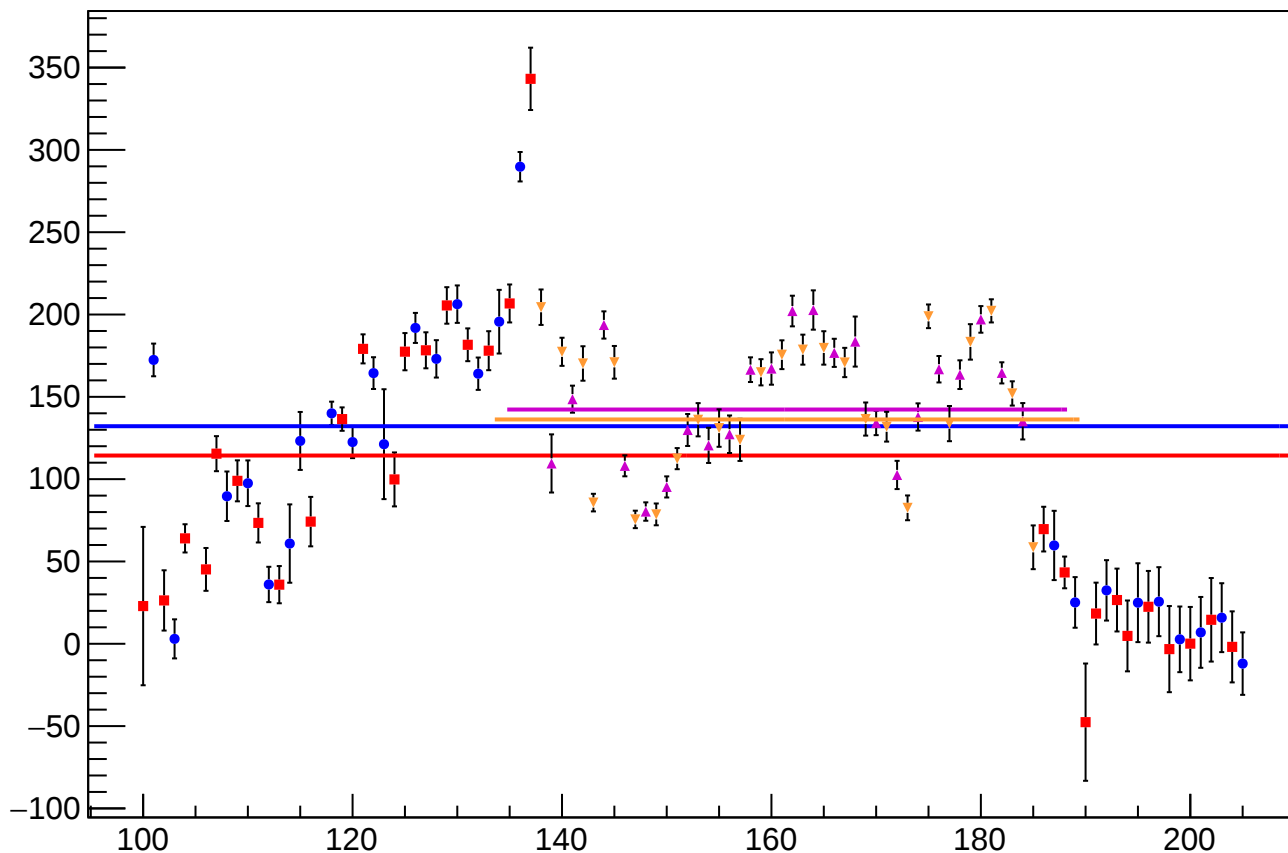
Left In: 430.640 $\pm$ 1.971 χ^2 /NDF:2850.6/22

+ sign 450.732 $\pm$ 1.576 χ^2 /NDF: 8160.1/50

All: 465.264 $\pm$ 1.081 χ^2 /NDF: 19303.5/103

- sign 478.164 $\pm$ 1.485 χ^2 /NDF: 10982.9/52

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 132.159 $\pm$ 2.509 χ^2 /NDF: 982.6/25

Left Out: 136.258 $\pm$ 1.651 χ^2 /NDF: 758.3/24

Right Out: 114.348 $\pm$ 2.359 χ^2 /NDF: 907.8/29

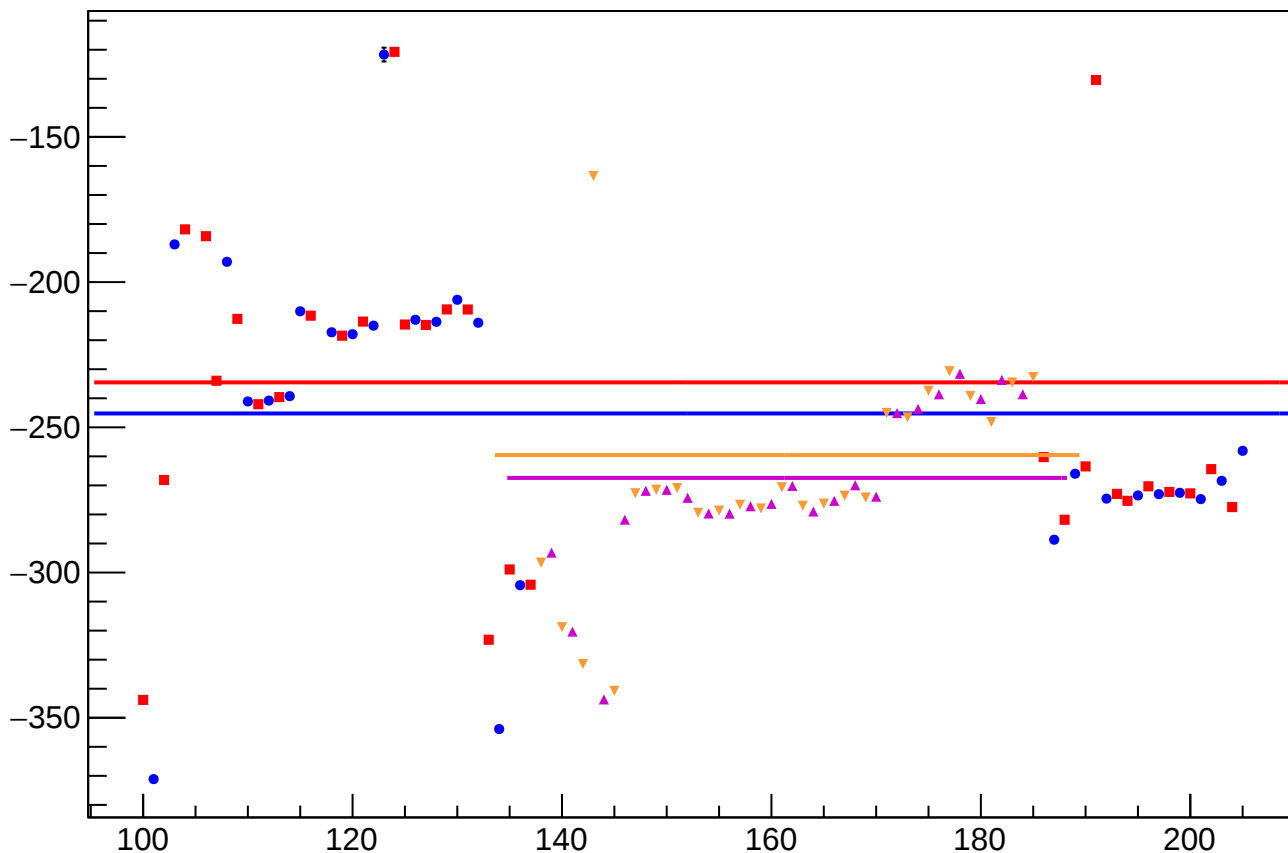
Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

+ sign 135.020 $\pm$ 1.379 χ^2 /NDF: 1742.8/50

All: 133.739 $\pm$ 0.983 χ^2 /NDF: 3202.9/103

- sign 132.414 $\pm$ 1.403 χ^2 /NDF: 1458.3/52

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -245.226 ± 0.126 $\chi^2/\text{NDF}: 163543.6/25$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -234.524 ± 0.116 $\chi^2/\text{NDF}: 174081.8/29$

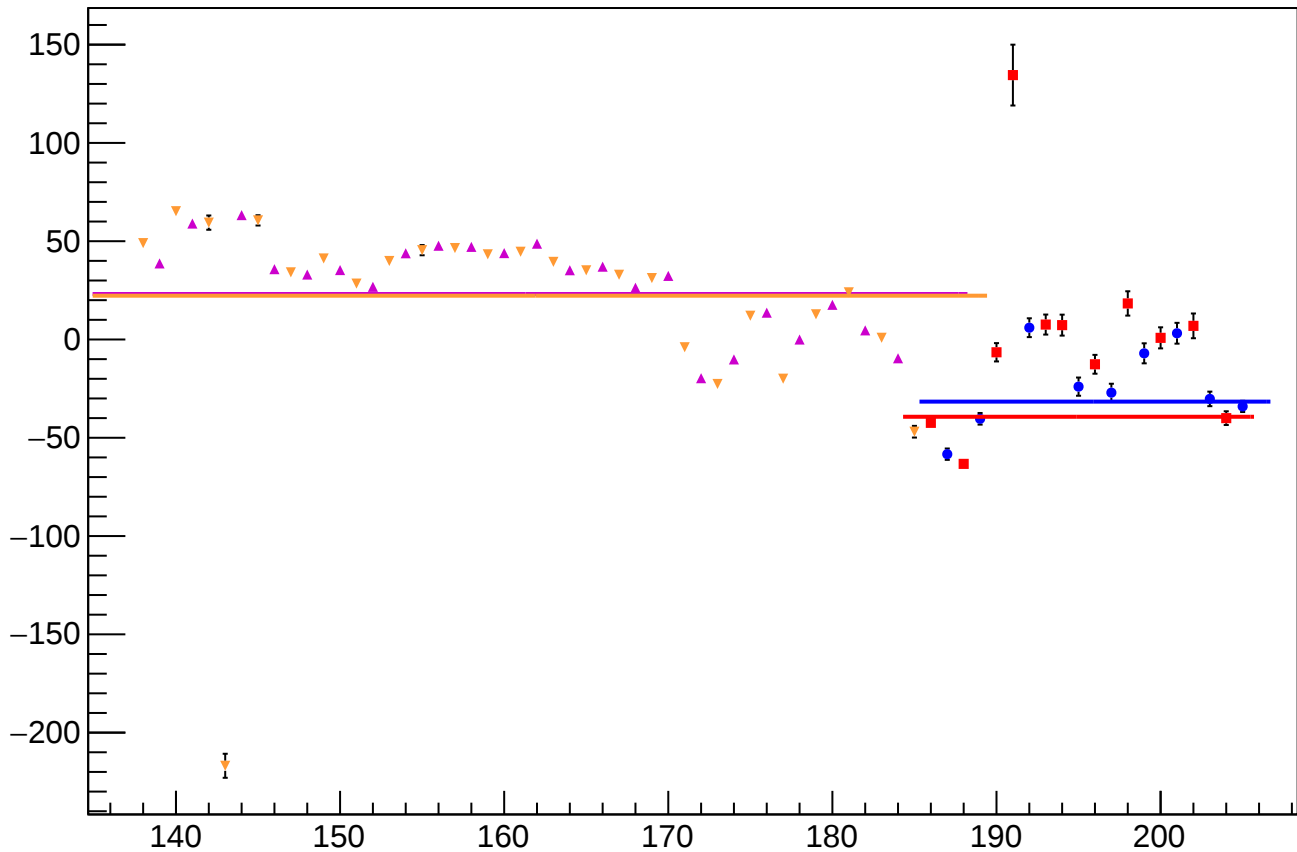
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.509 ± 0.067 $\chi^2/\text{NDF}: 411052.2/50$

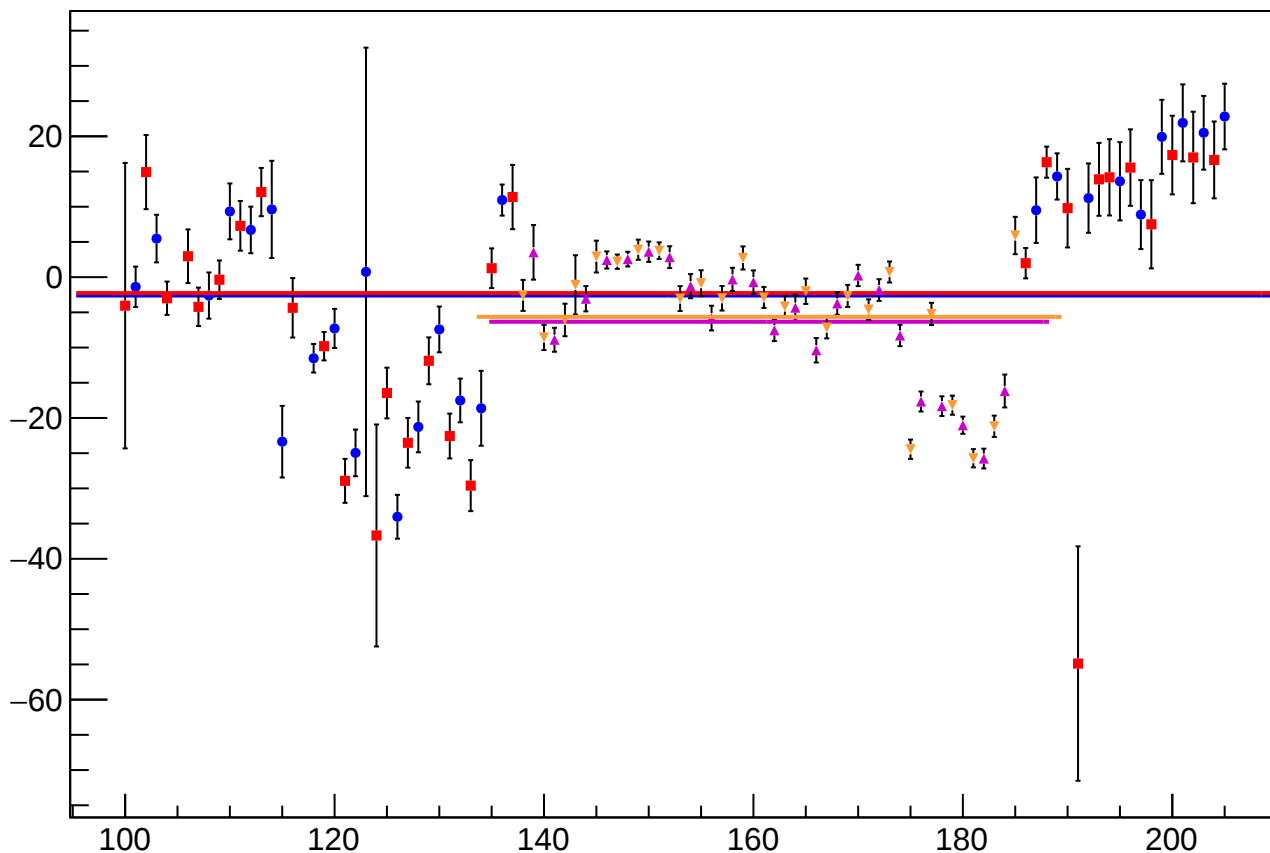
All: -256.021 ± 0.047 $\chi^2/\text{NDF}: 736974.3/103$

- sign -256.530 ± 0.067 $\chi^2/\text{NDF}: 325805.6/52$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.609 ± 0.706 $\chi^2/\text{NDF}: 454.2/25$

Left Out: -5.642 ± 0.316 $\chi^2/\text{NDF}: 893.7/24$

Right Out: -2.264 ± 0.646 $\chi^2/\text{NDF}: 453.2/29$

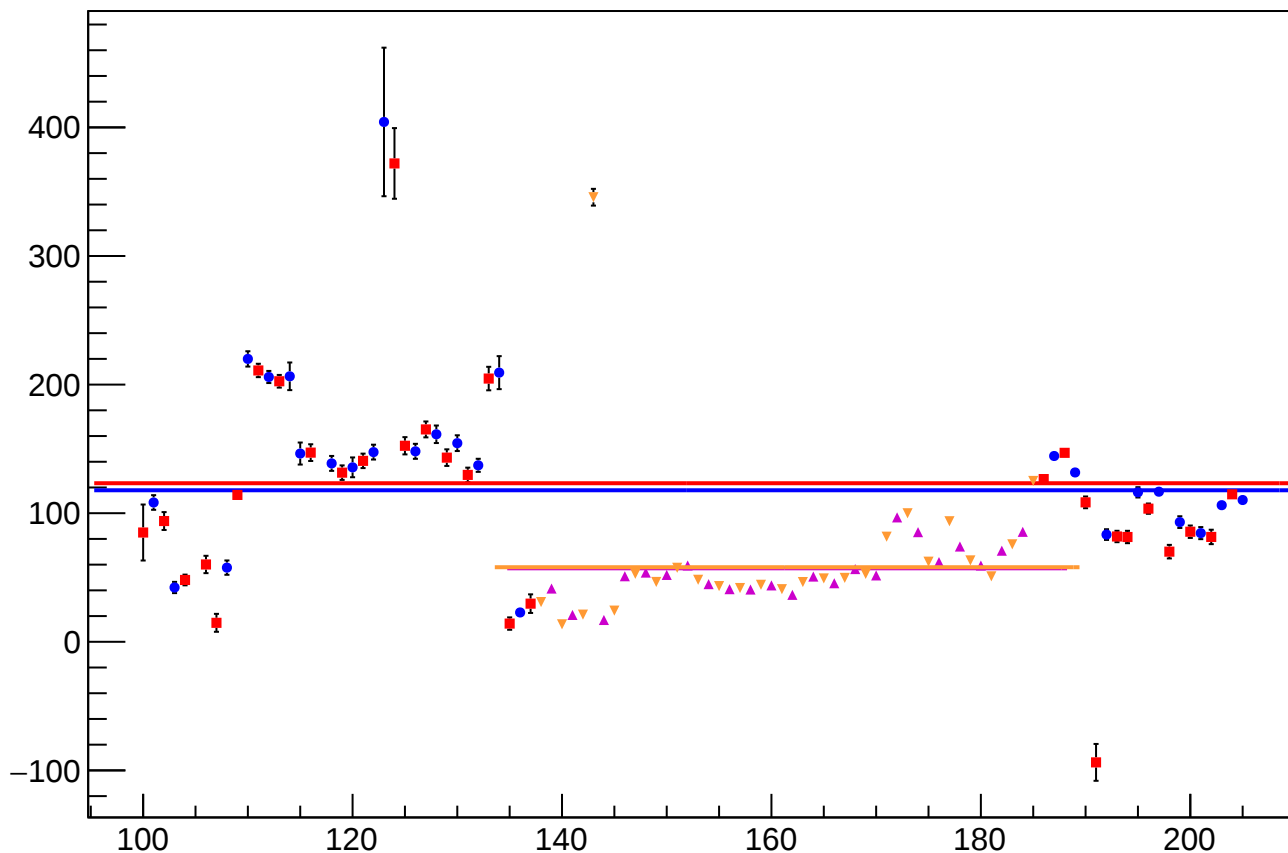
Left In: -6.337 ± 0.321 $\chi^2/\text{NDF}: 783.0/22$

+ sign -5.137 ± 0.288 $\chi^2/\text{NDF}: 1363.3/50$

All: -5.333 ± 0.203 $\chi^2/\text{NDF}: 2632.3/103$

- sign -5.529 ± 0.288 $\chi^2/\text{NDF}: 1268.1/52$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.830 $\pm$ 0.875 χ^2 /NDF: 2480.6/25

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 123.302 $\pm$ 0.694 χ^2 /NDF: 3178.3/29

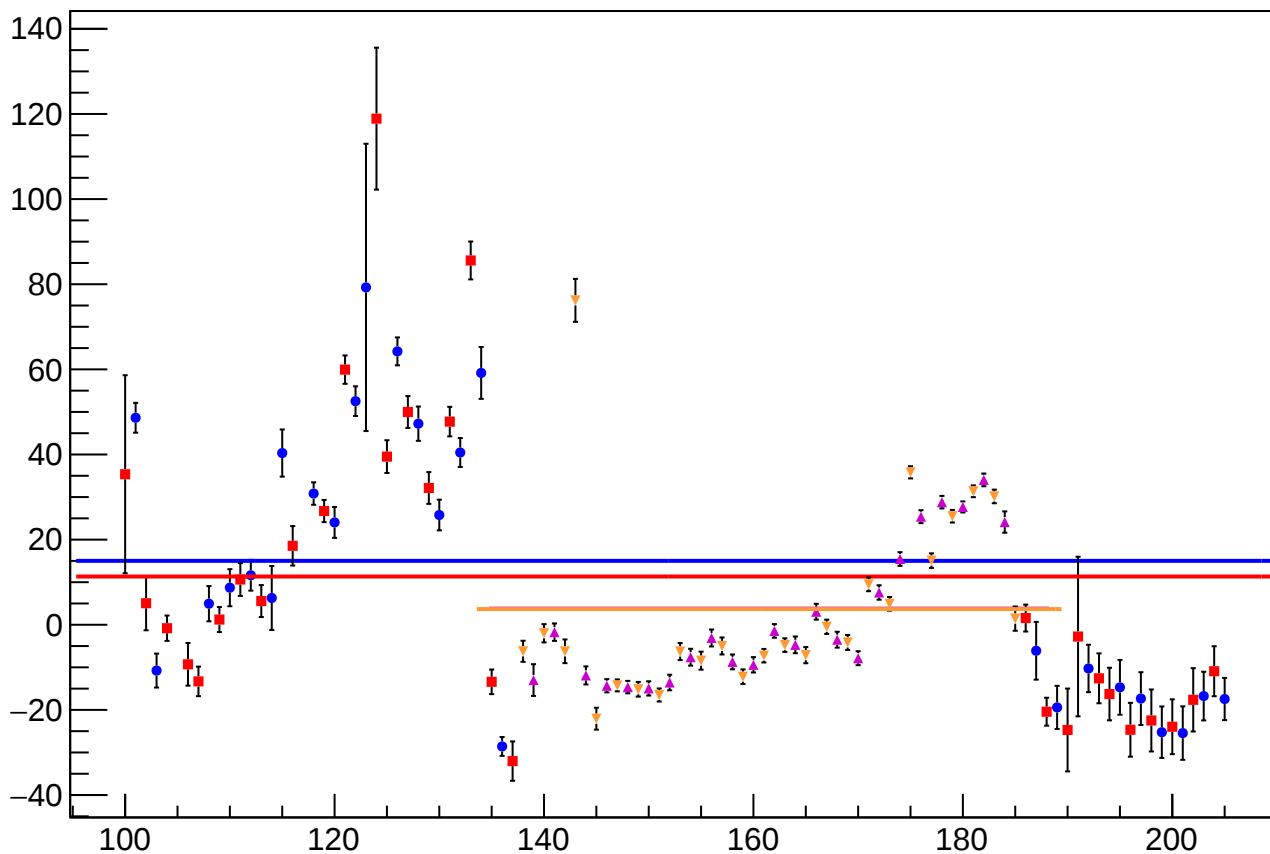
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 68.244 $\pm$ 0.362 χ^2 /NDF: 10991.0/50

All: 71.048 $\pm$ 0.250 χ^2 /NDF: 22913.6/103

- sign 73.610 $\pm$ 0.346 χ^2 /NDF: 11808.0/52

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 15.016 $\pm$ 0.816 χ^2 /NDF: 1405.7/25

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF:2541.7/24

Right Out: 11.333 $\pm$ 0.769 χ^2 /NDF: 1399.8/29

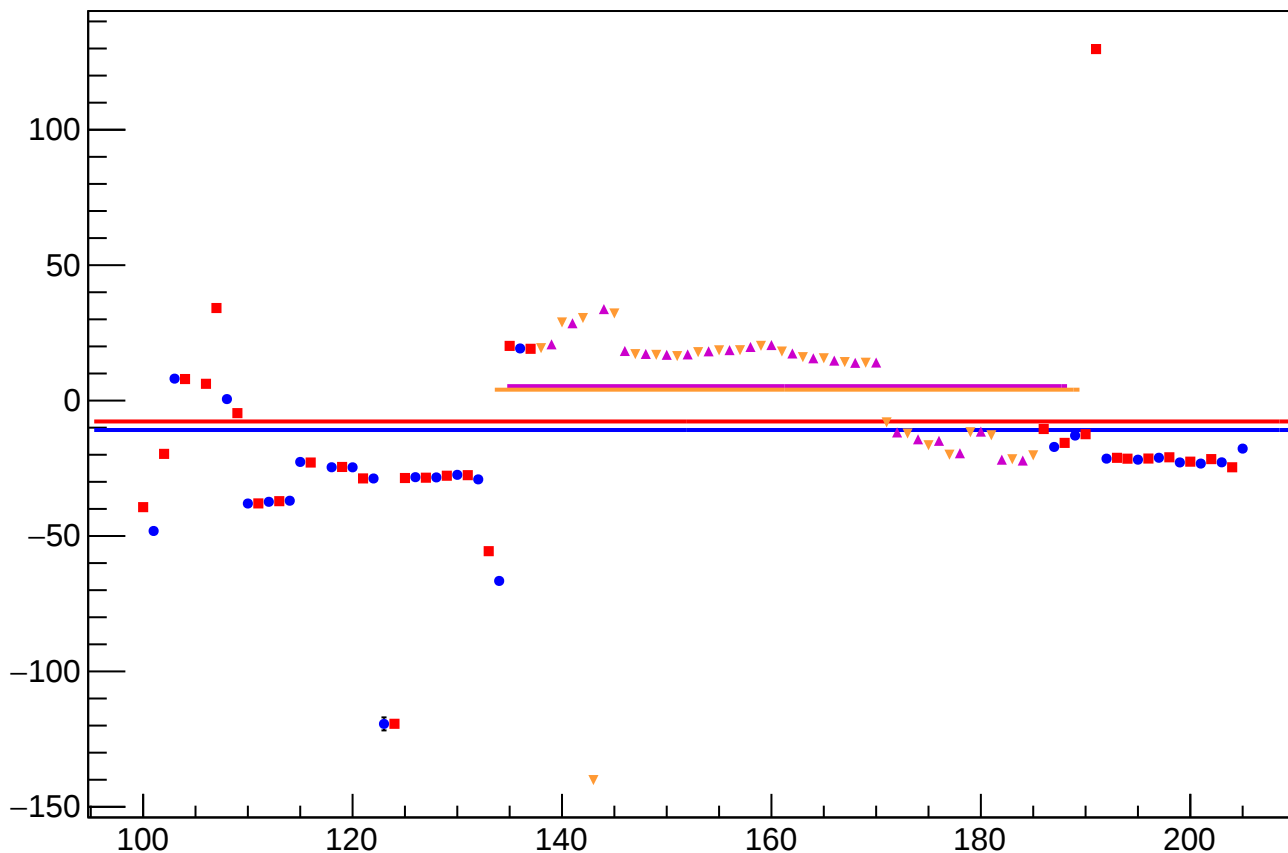
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF:2198.8/22

+ sign 5.501 $\pm$ 0.327 χ^2 /NDF: 4109.2/50

All: 5.327 $\pm$ 0.231 χ^2 /NDF: 7787.2/103

- sign 5.153 $\pm$ 0.327 χ^2 /NDF: 3677.4/52

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -10.862 ± 0.038 χ^2/NDF : 296848.5/25

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -7.710 ± 0.037 χ^2/NDF : 385724.8/29

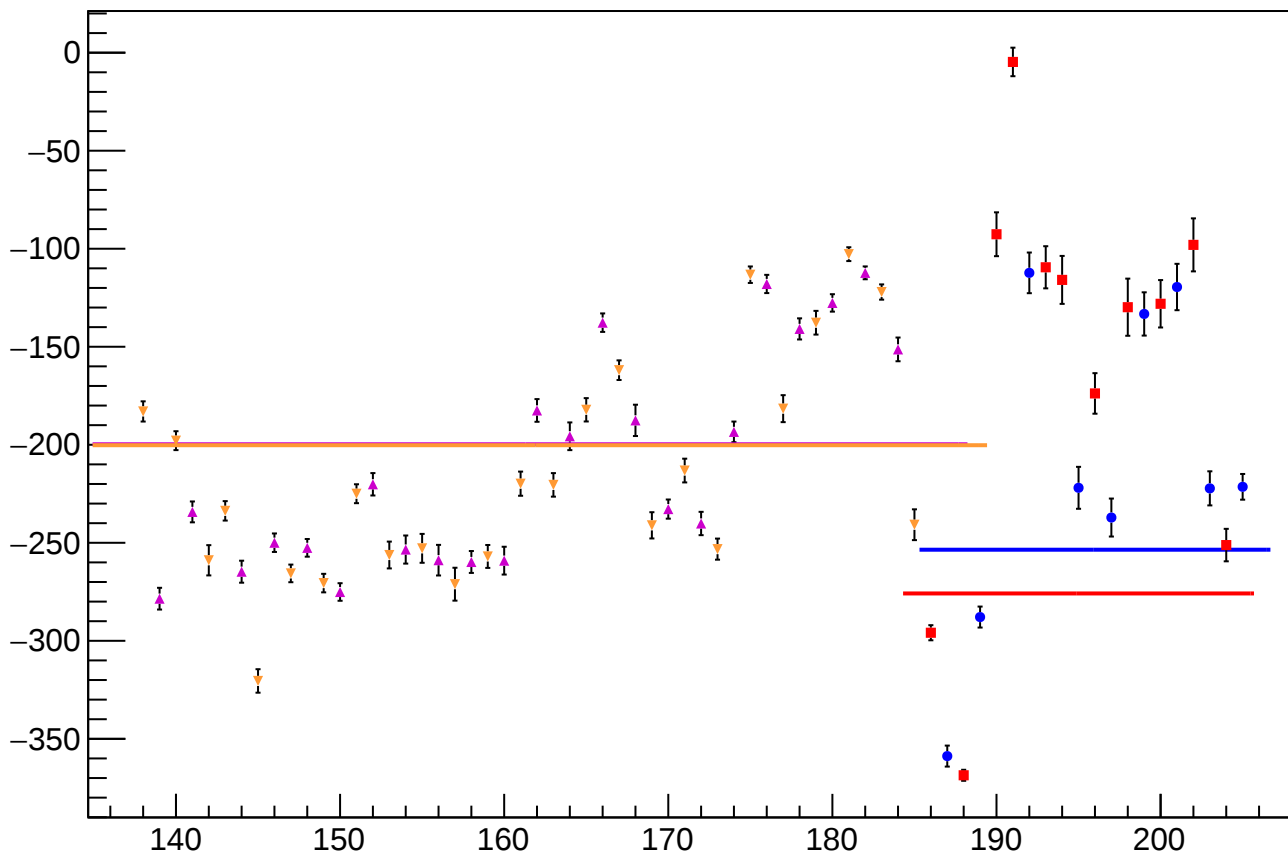
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.739 ± 0.015 χ^2/NDF : 1807123.1/50

All: 2.474 ± 0.011 χ^2/NDF : 3378440.8/103

- sign 3.205 ± 0.015 χ^2/NDF : 1566567.7/52

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -253.531 $\pm$ 2.579 χ^2 /NDF: 908.7/8

Left Out: -200.228 $\pm$ 1.078 χ^2 /NDF:3225.0/24

Right Out: -275.842 $\pm$ 1.900 χ^2 /NDF: 3710.2/10

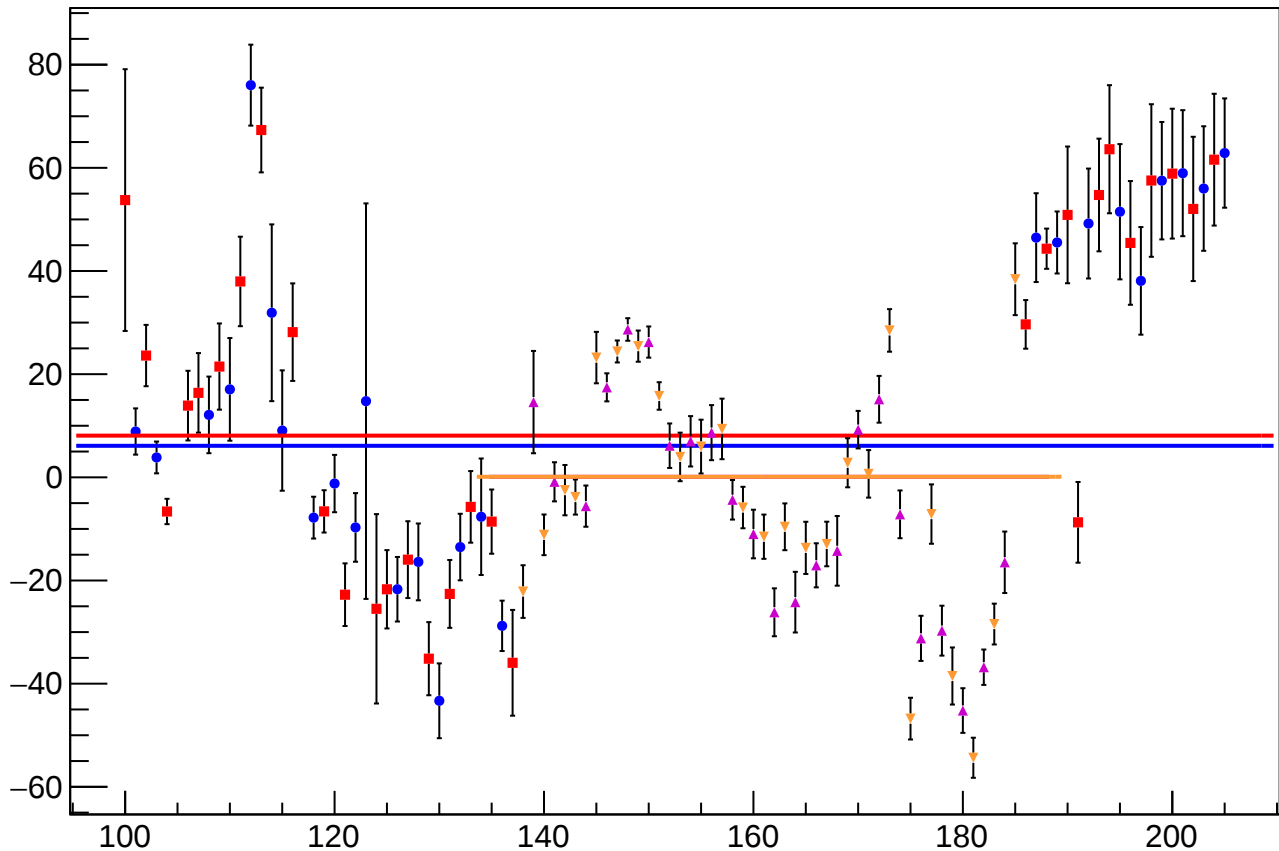
Left In: -199.739 $\pm$ 1.097 χ^2 /NDF:2968.0/22

+ sign -208.153 $\pm$ 0.995 χ^2 /NDF: 4497.3/33

All: -213.702 $\pm$ 0.687 χ^2 /NDF: 12437.8/67

- sign -218.770 $\pm$ 0.950 χ^2 /NDF: 7880.9/33

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.114 ± 1.338 $\chi^2/\text{NDF}: 428.5/25$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 8.089 ± 1.205 $\chi^2/\text{NDF}: 500.2/29$

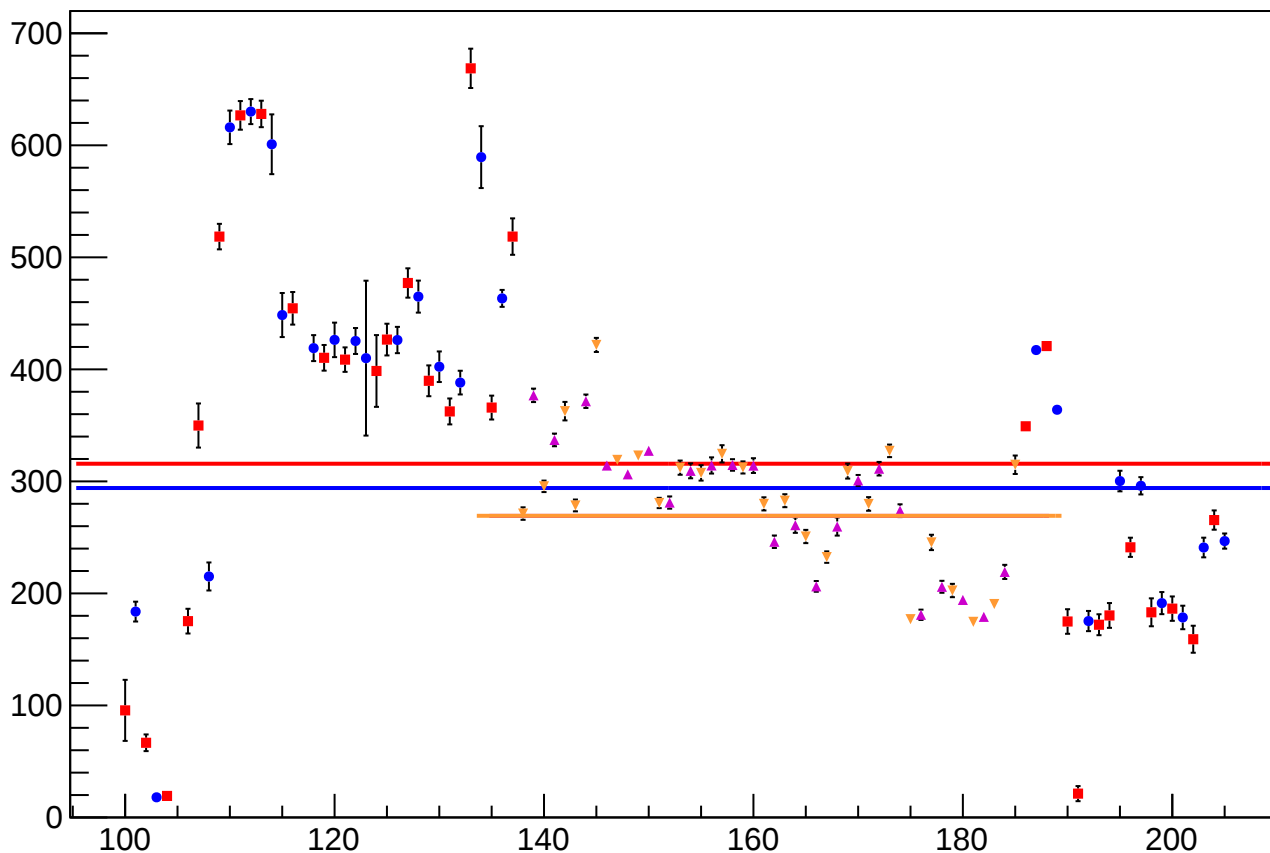
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 1.711 ± 0.691 $\chi^2/\text{NDF}: 1274.6/50$

All: 2.208 ± 0.488 $\chi^2/\text{NDF}: 2520.9/103$

- sign 2.702 ± 0.688 $\chi^2/\text{NDF}: 1245.3/52$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 294.076 $\pm$ 1.671 χ^2 /NDF: 9270.7/25

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 315.760 $\pm$ 1.329 χ^2 /NDF: 13965.2/29

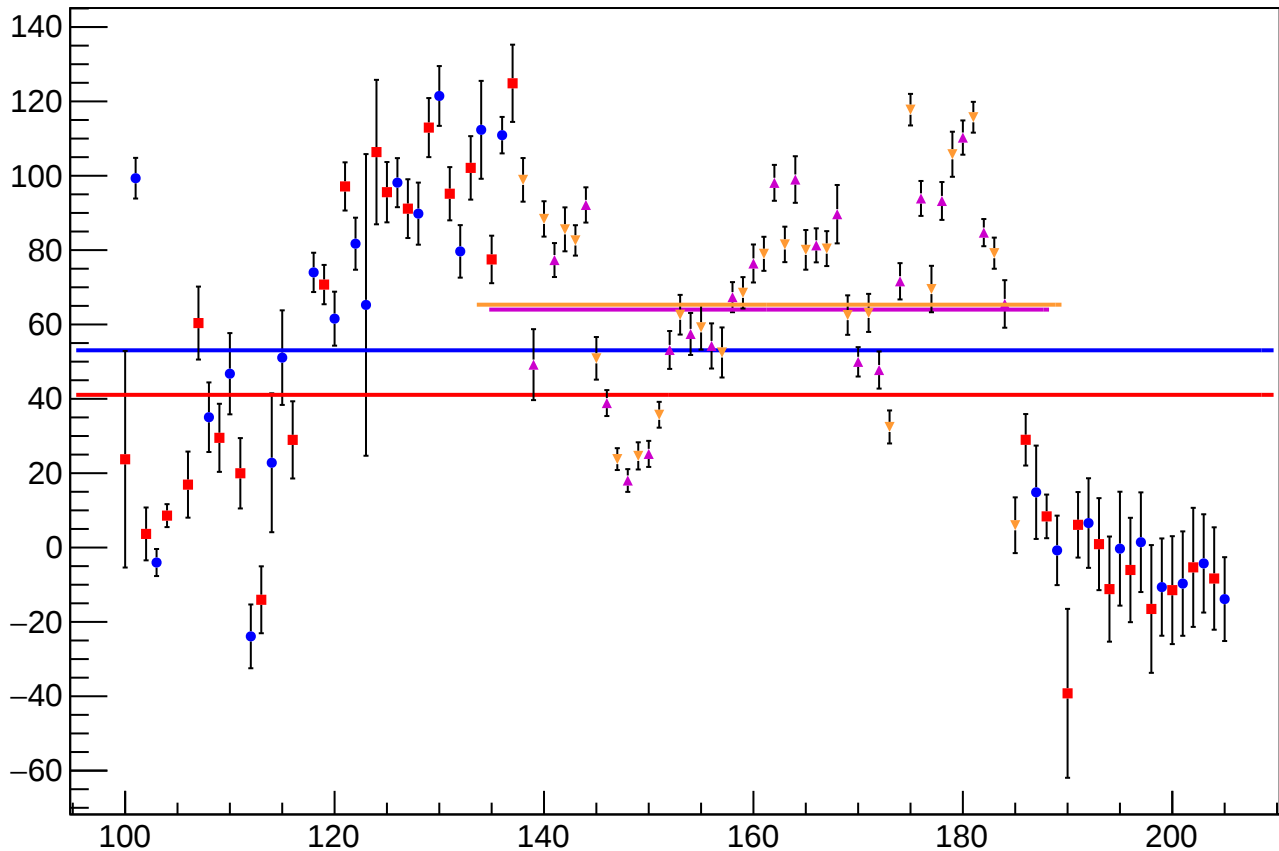
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 276.564 $\pm$ 0.906 χ^2 /NDF: 12573.0/50

All: 282.651 $\pm$ 0.617 χ^2 /NDF: 30526.4/103

- sign 287.928 $\pm$ 0.843 χ^2 /NDF: 17869.0/52

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 53.052 $\pm$ 1.569 χ^2 /NDF: 933.0/25

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF:1007.1/24

Right Out: 41.073 $\pm$ 1.461 χ^2 /NDF: 829.4/29

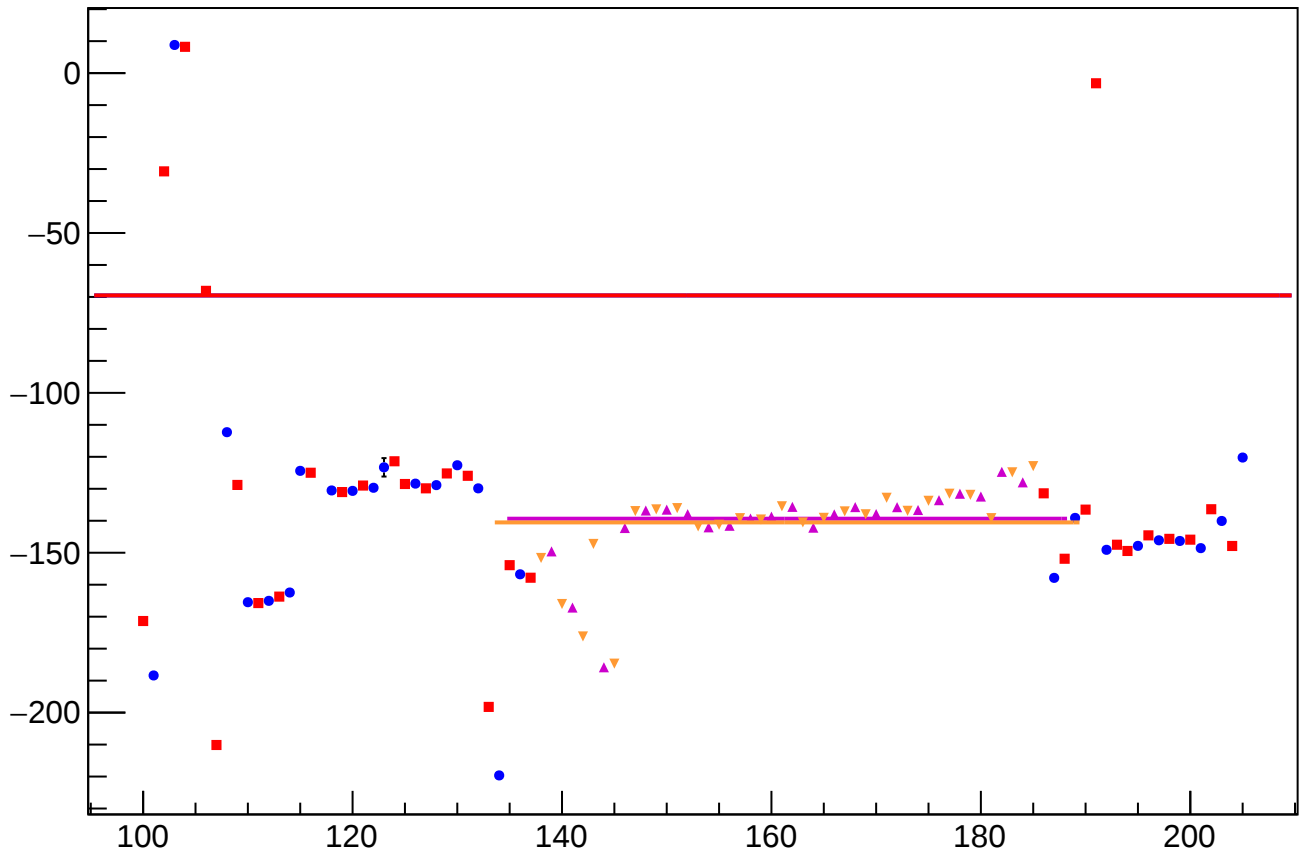
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

+ sign 62.108 $\pm$ 0.803 χ^2 /NDF: 1985.2/50

All: 59.585 $\pm$ 0.568 χ^2 /NDF: 3805.6/103

- sign 57.055 $\pm$ 0.804 χ^2 /NDF: 1800.6/52

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -69.539 ± 0.064 $\chi^2/\text{NDF}: 1526777.8/25$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -69.519 ± 0.062 $\chi^2/\text{NDF}: 1376566.1/29$

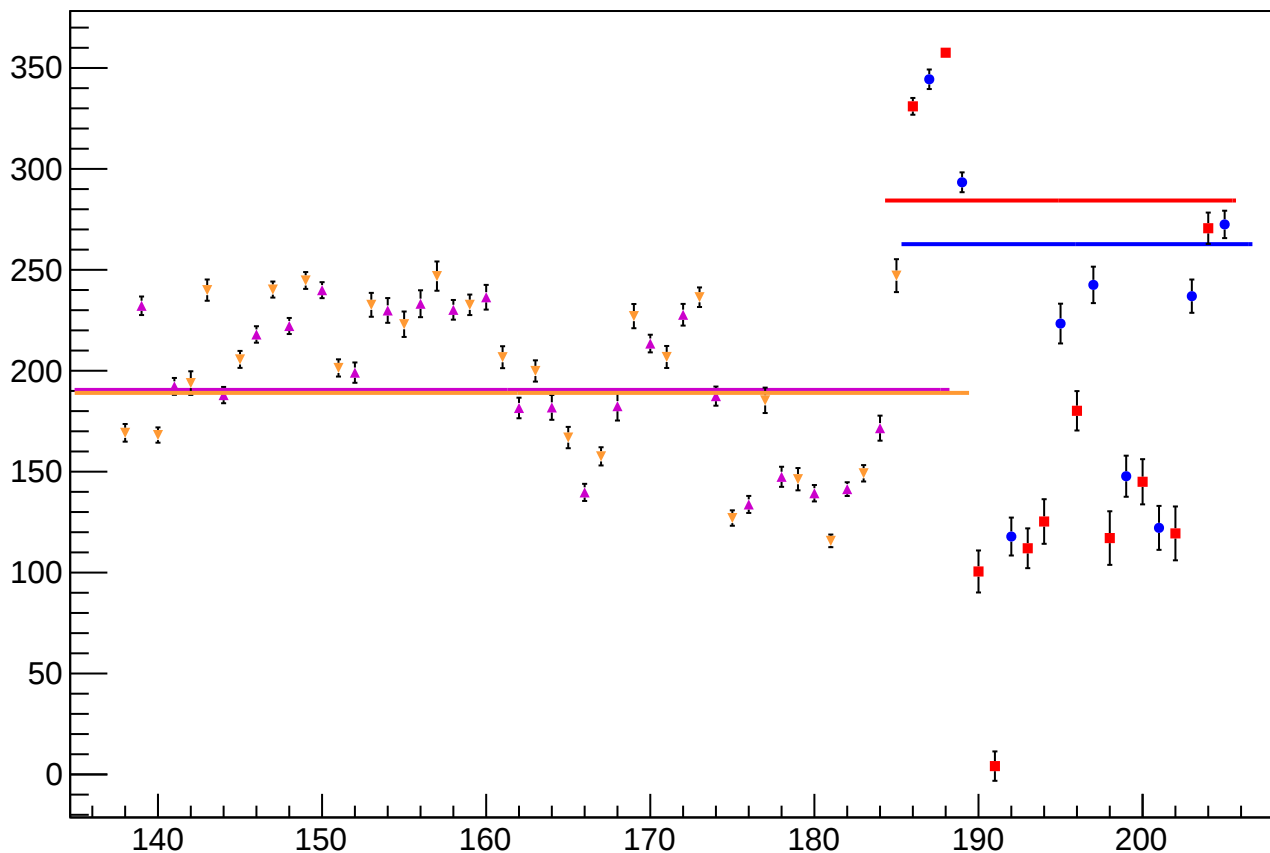
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.248 ± 0.037 $\chi^2/\text{NDF}: 2436407.9/50$

All: -116.211 ± 0.026 $\chi^2/\text{NDF}: 4710522.7/10$

- sign -115.183 ± 0.036 $\chi^2/\text{NDF}: 2272511.1/52$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 262.715 ± 2.408 $\chi^2/\text{NDF}: 888.7/8$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 284.339 ± 1.795 $\chi^2/\text{NDF}: 3869.9/10$

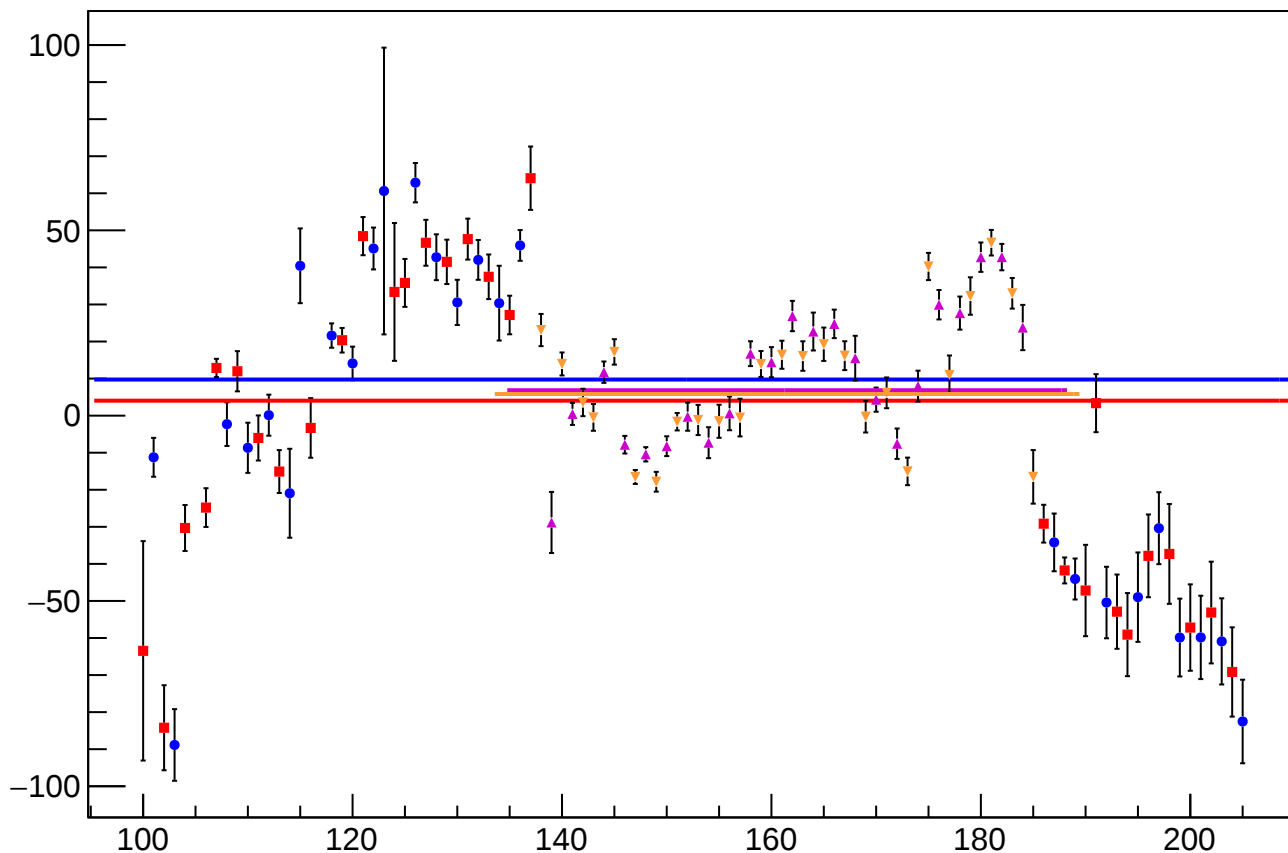
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 199.062 ± 0.888 $\chi^2/\text{NDF}: 3678.7/33$

All: 205.702 ± 0.617 $\chi^2/\text{NDF}: 11178.3/67$

- sign 211.878 ± 0.857 $\chi^2/\text{NDF}: 7391.9/33$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 9.744 ± 1.269 χ^2/NDF : 854.1/25

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 4.037 ± 1.081 χ^2/NDF : 928.9/29

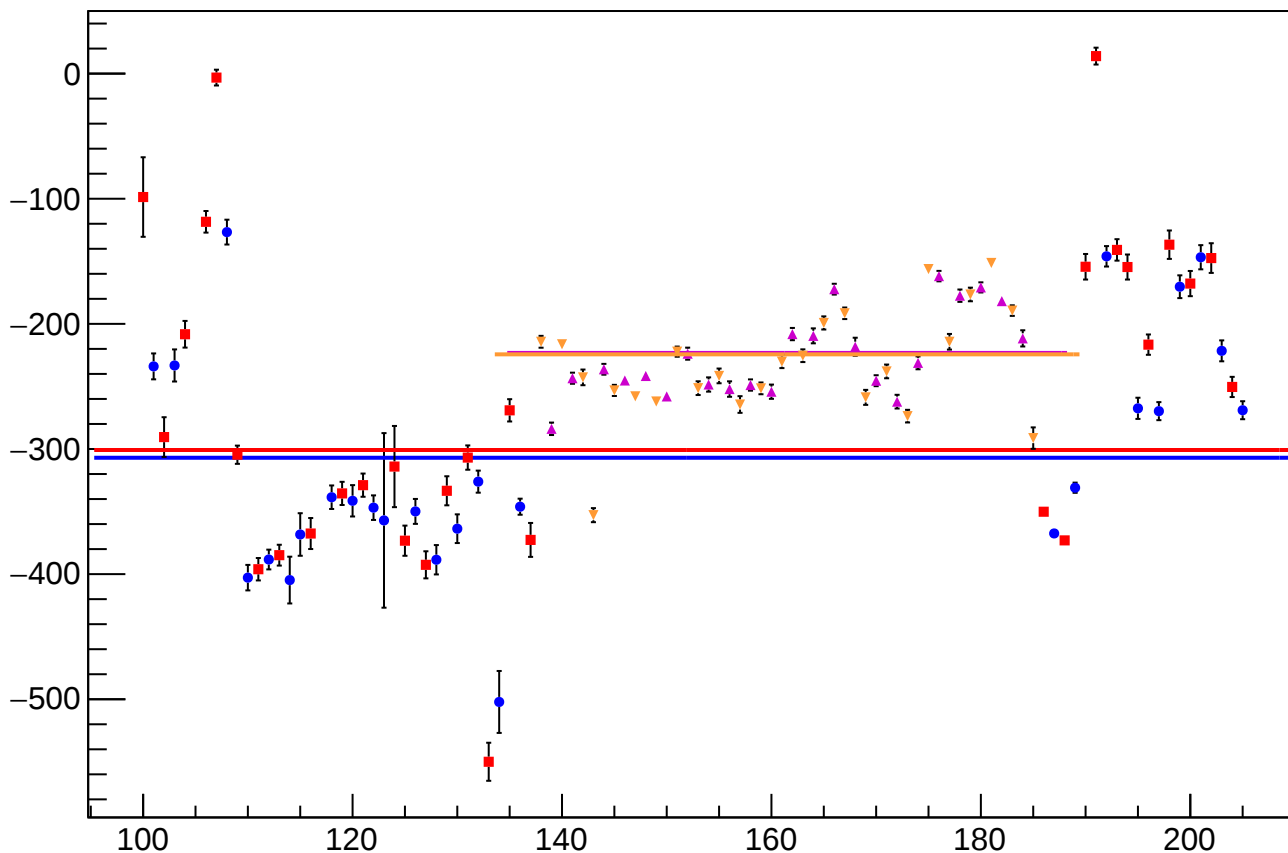
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 6.772 ± 0.621 χ^2/NDF : 1513.6/50

All: 6.361 ± 0.435 χ^2/NDF : 2970.8/103

- sign 5.966 ± 0.608 χ^2/NDF : 1456.3/52

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -306.997 $\pm$ 1.627 χ^2/NDF : 2214.8/25

Left Out: -224.364 $\pm$ 0.956 χ^2/NDF : 2103.2/24

Right Out: -300.806 $\pm$ 1.257 χ^2/NDF : 8631.0/29

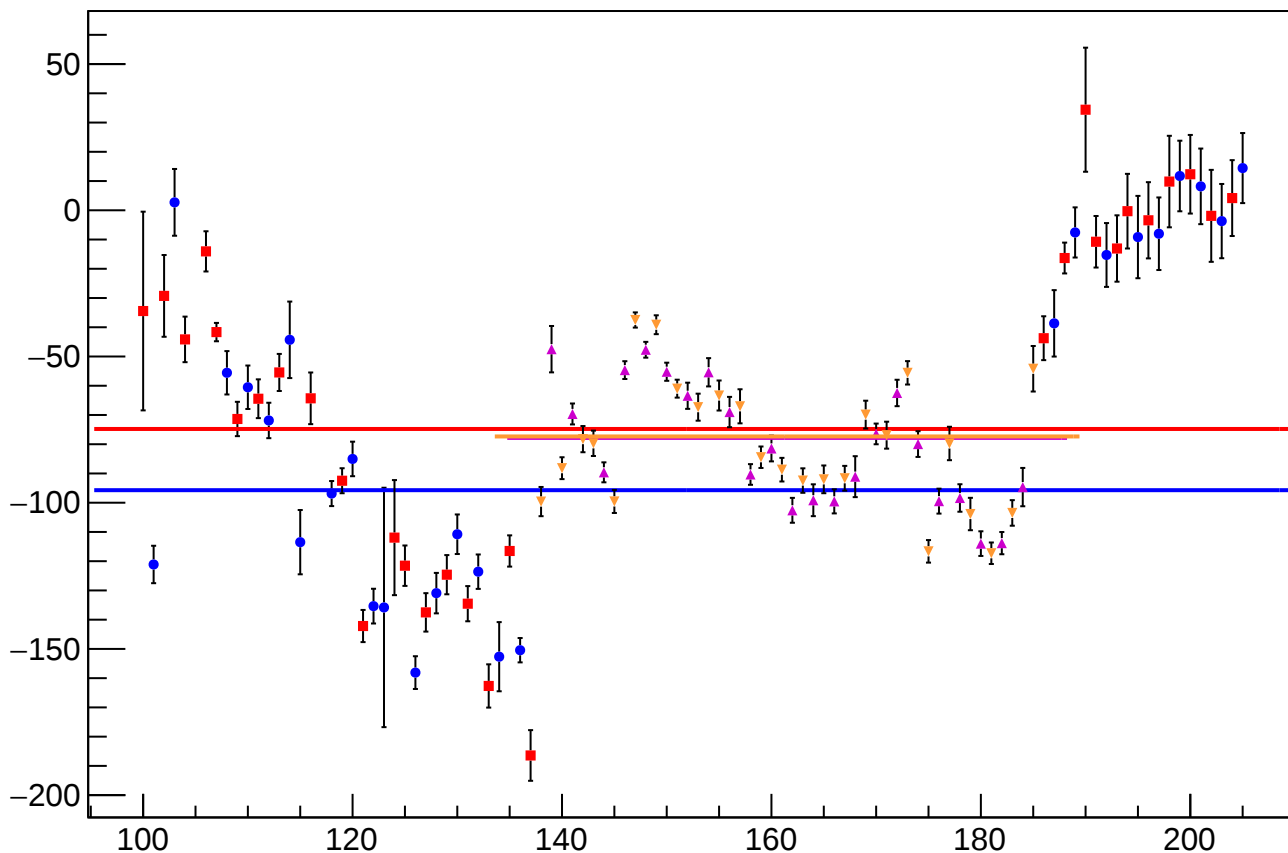
Left In: -223.223 $\pm$ 0.969 χ^2/NDF : 1269.3/22

+ sign -245.573 $\pm$ 0.824 χ^2/NDF : 6235.6/50

All: -249.100 $\pm$ 0.562 χ^2/NDF : 18560.1/103

- sign -252.158 $\pm$ 0.767 χ^2/NDF : 12290.2/52

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -95.715 ± 1.478 χ^2/NDF : 1151.3/25

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -74.781 ± 1.298 χ^2/NDF : 1503.0/29

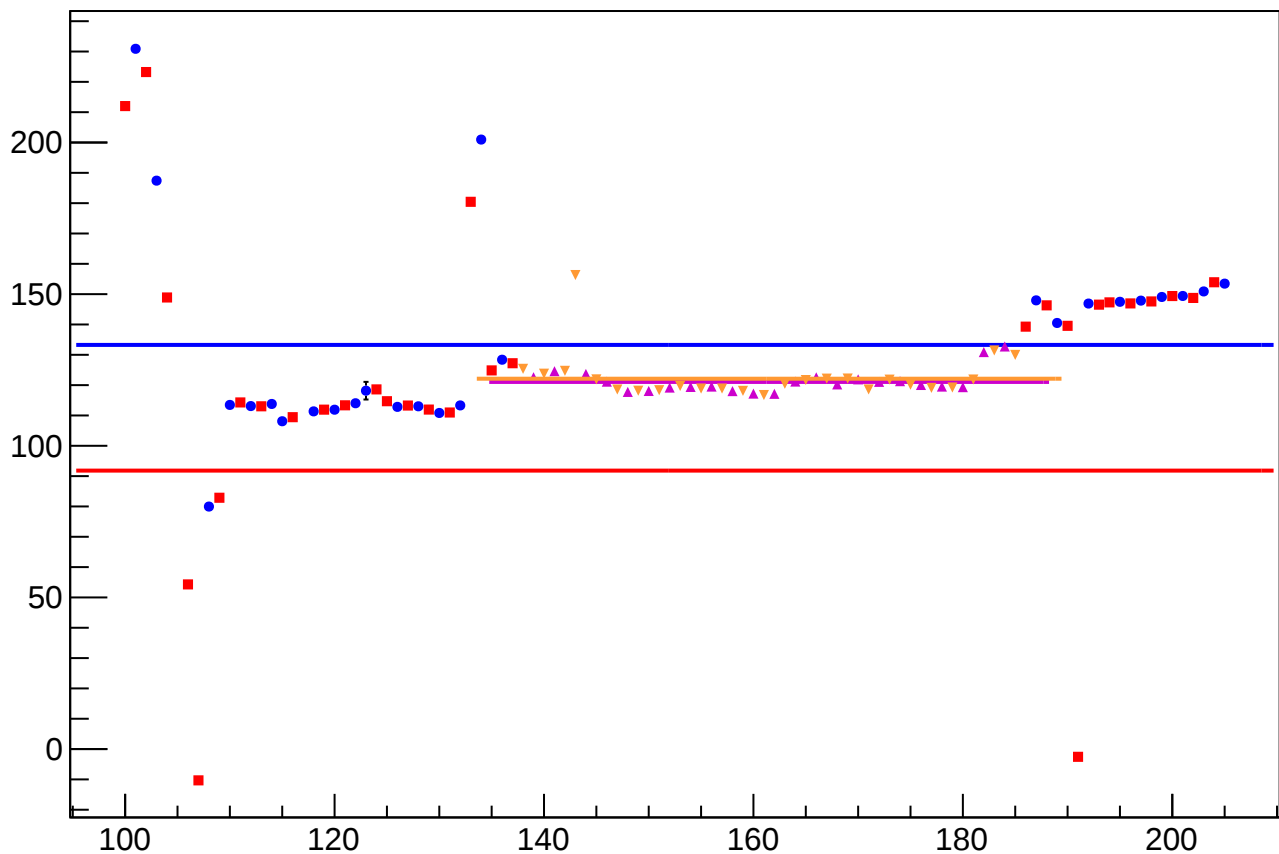
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -81.719 ± 0.722 χ^2/NDF : 2115.2/50

All: -79.283 ± 0.506 χ^2/NDF : 4267.3/103

- sign -76.922 ± 0.710 χ^2/NDF : 2129.7/52

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 133.263 $\pm$ 0.076 χ^2 /NDF: 203337.2/25

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 91.819 $\pm$ 0.063 χ^2 /NDF: 1112102.6/29

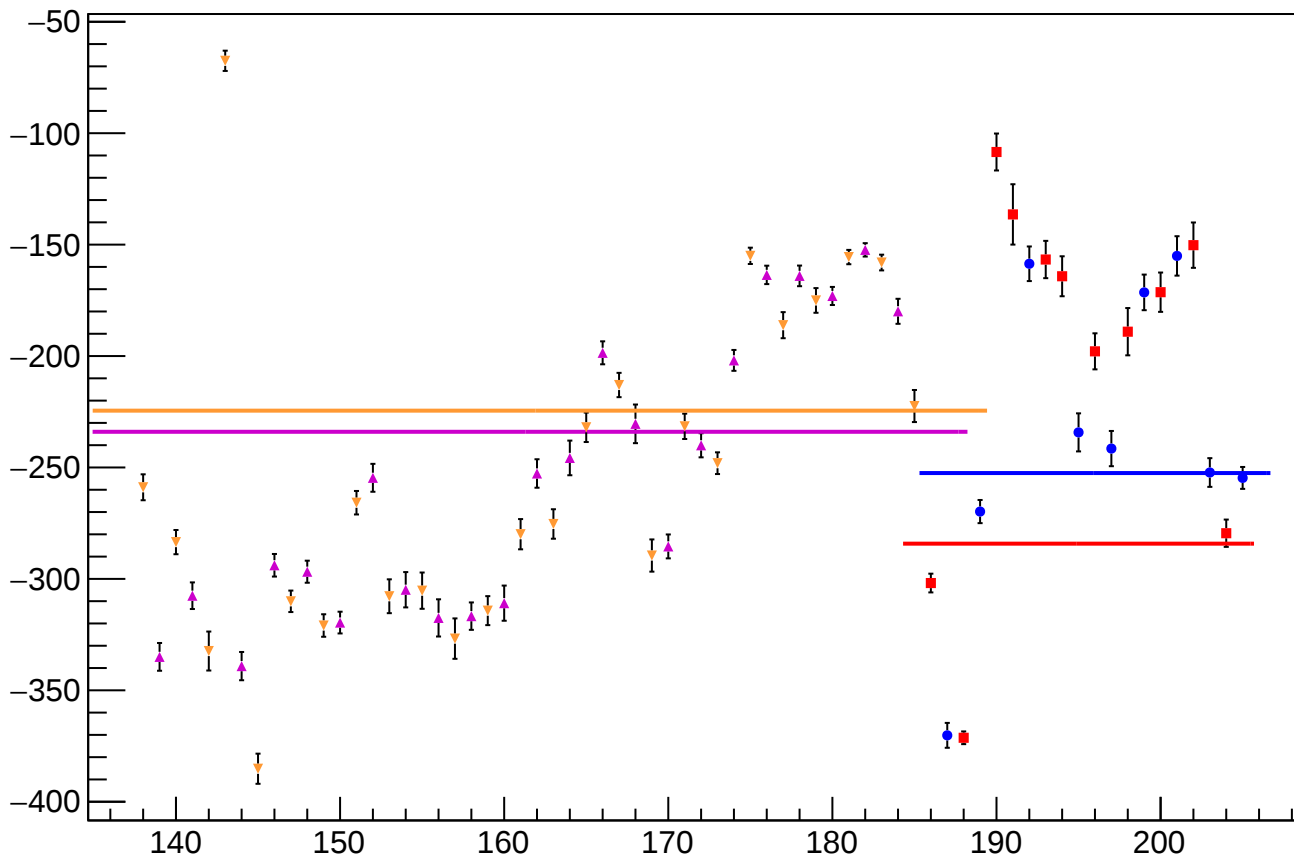
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 124.501 $\pm$ 0.035 χ^2 /NDF: 250904.7/50

All: 118.390 $\pm$ 0.024 χ^2 /NDF: 1583810.9/103

- sign 112.737 $\pm$ 0.034 χ^2 /NDF: 1274050.0/52

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -252.503 ± 2.186 $\chi^2/\text{NDF}: 832.7/8$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -284.189 ± 1.827 $\chi^2/\text{NDF}: 2461.7/10$

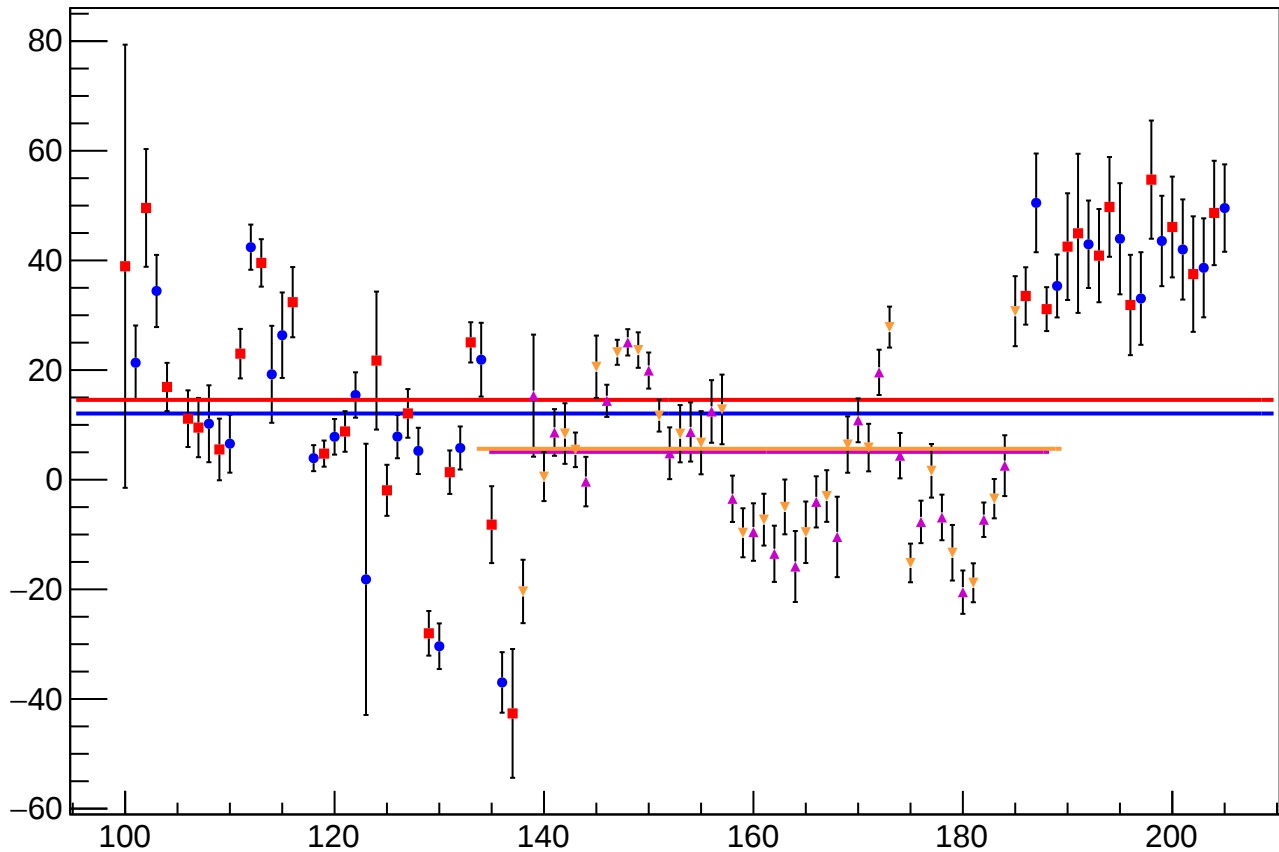
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -229.988 ± 0.968 $\chi^2/\text{NDF}: 5835.3/33$

All: -238.922 ± 0.677 $\chi^2/\text{NDF}: 12554.2/67$

- sign -247.495 ± 0.948 $\chi^2/\text{NDF}: 6551.9/33$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.075 $\pm$ 1.023 χ^2 /NDF: 401.5/25

Left Out: 5.638 $\pm$ 0.828 χ^2 /NDF:313.6/24

Right Out: 14.562 $\pm$ 0.971 χ^2 /NDF: 369.4/29

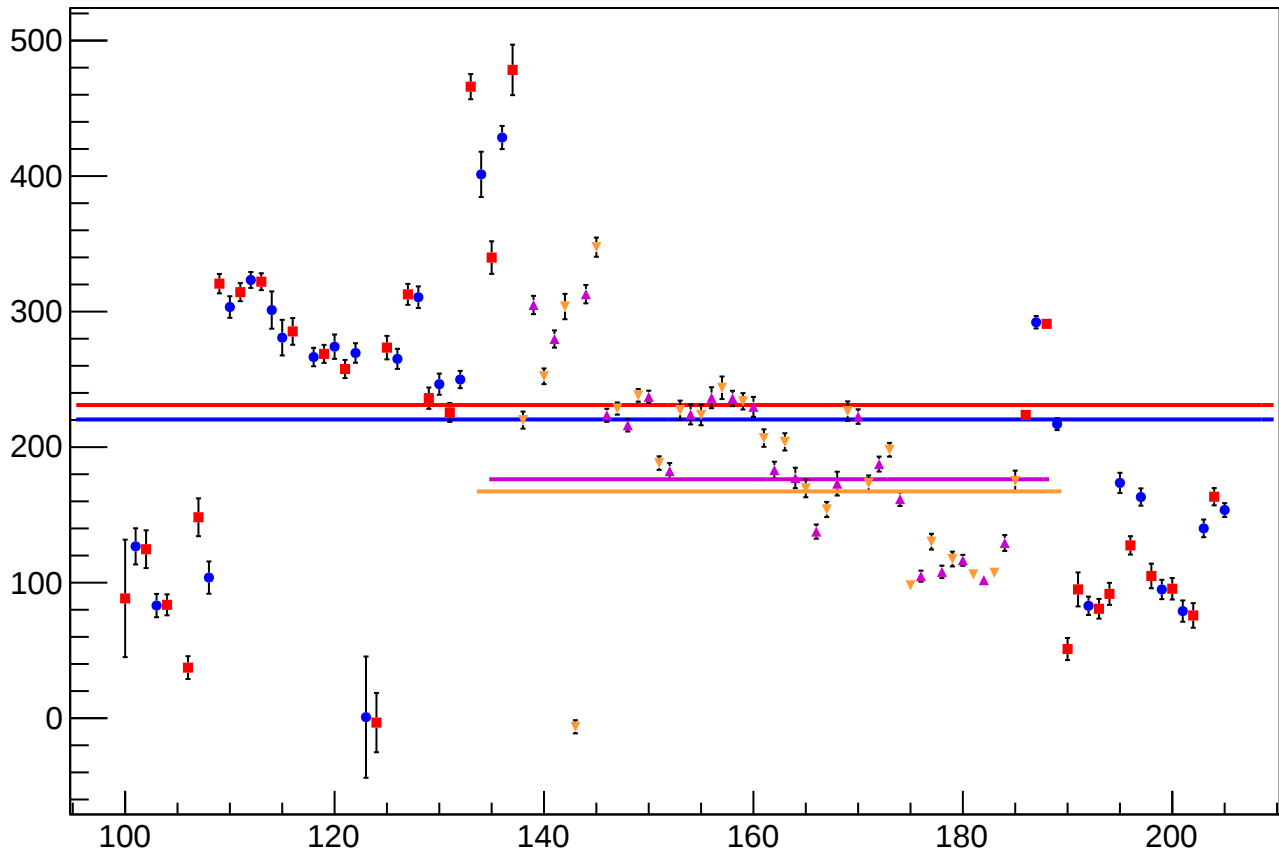
Left In: 5.077 $\pm$ 0.869 χ^2 /NDF:239.7/22

+ sign 8.186 $\pm$ 0.644 χ^2 /NDF: 739.0/50

All: 8.738 $\pm$ 0.456 χ^2 /NDF: 1402.6/103

- sign 9.297 $\pm$ 0.647 χ^2 /NDF: 662.1/52

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 220.418 $\pm$ 1.430 χ^2 /NDF: 3666.0/25

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 231.065 $\pm$ 1.218 χ^2 /NDF: 5884.0/29

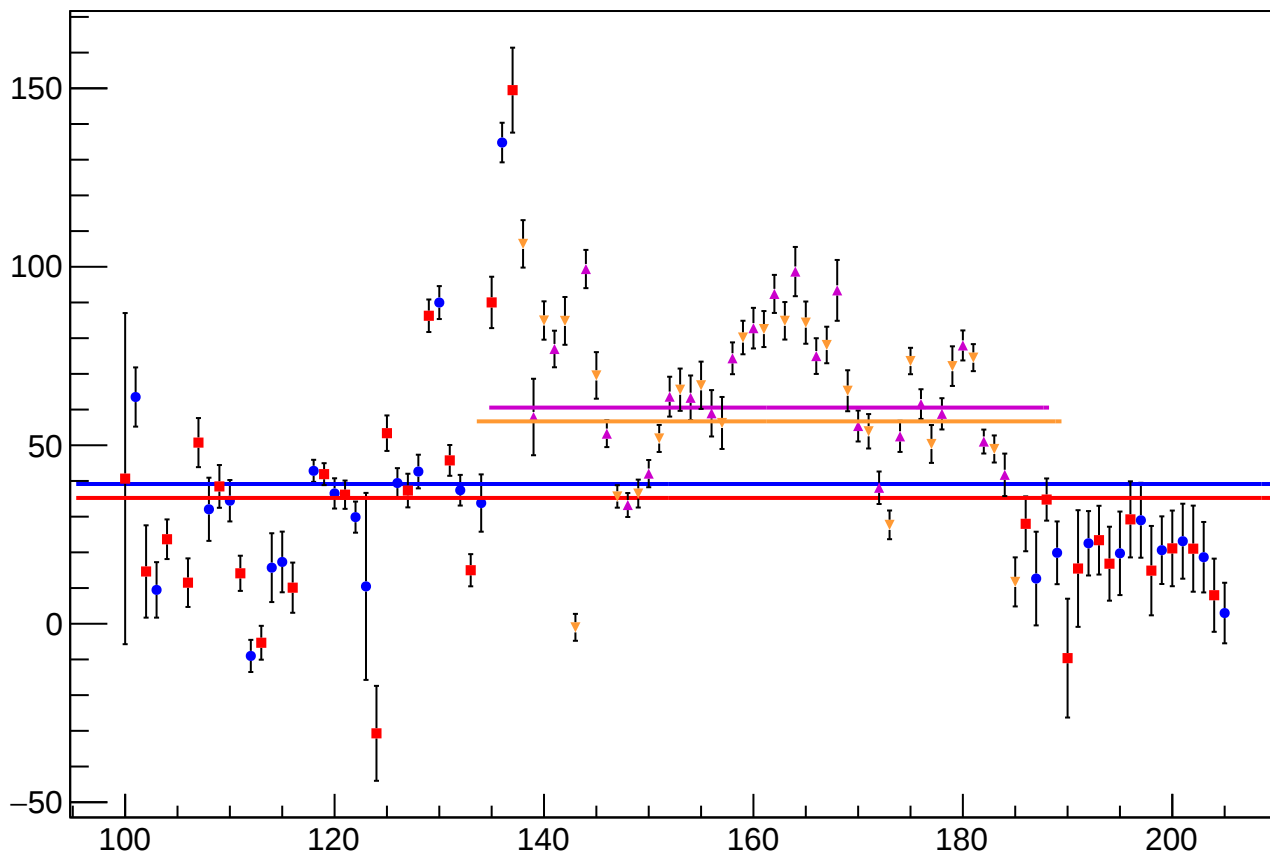
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 186.662 $\pm$ 0.863 χ^2 /NDF: 8996.4/50

All: 194.226 $\pm$ 0.594 χ^2 /NDF: 19305.4/103

- sign 201.031 $\pm$ 0.819 χ^2 /NDF: 10163.1/52

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 39.149 ± 1.191 $\chi^2/\text{NDF}: 623.6/25$

Left Out: 56.695 ± 0.952 $\chi^2/\text{NDF}: 690.4/24$

Right Out: 35.243 ± 1.142 $\chi^2/\text{NDF}: 500.8/29$

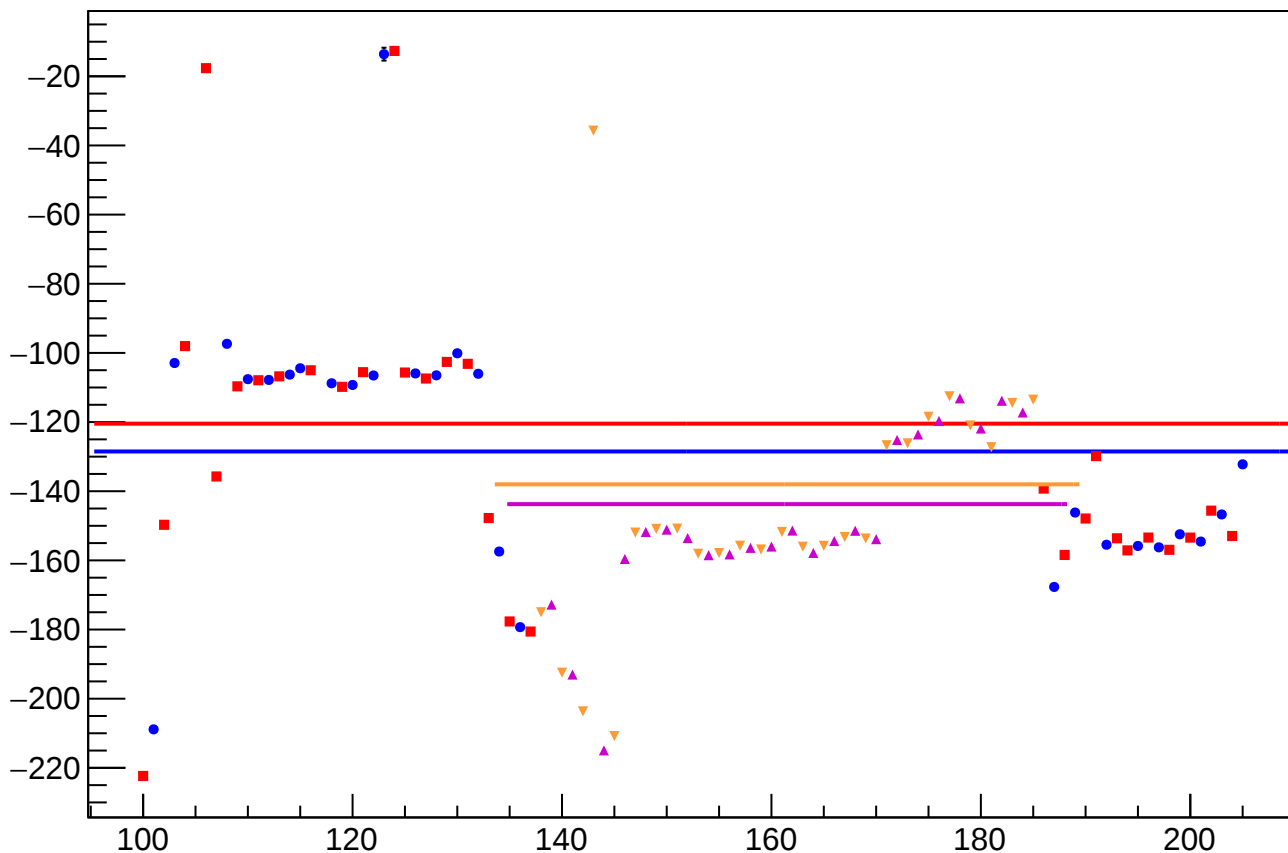
Left In: 60.555 ± 0.990 $\chi^2/\text{NDF}: 335.6/22$

+ sign 49.854 ± 0.743 $\chi^2/\text{NDF}: 1446.5/50$

All: 49.773 ± 0.527 $\chi^2/\text{NDF}: 2563.5/103$

- sign 49.690 ± 0.748 $\chi^2/\text{NDF}: 1116.9/52$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -128.504 ± 0.065 $\chi^2/\text{NDF}: 205095.6/25$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -120.460 ± 0.060 $\chi^2/\text{NDF}: 455053.7/29$

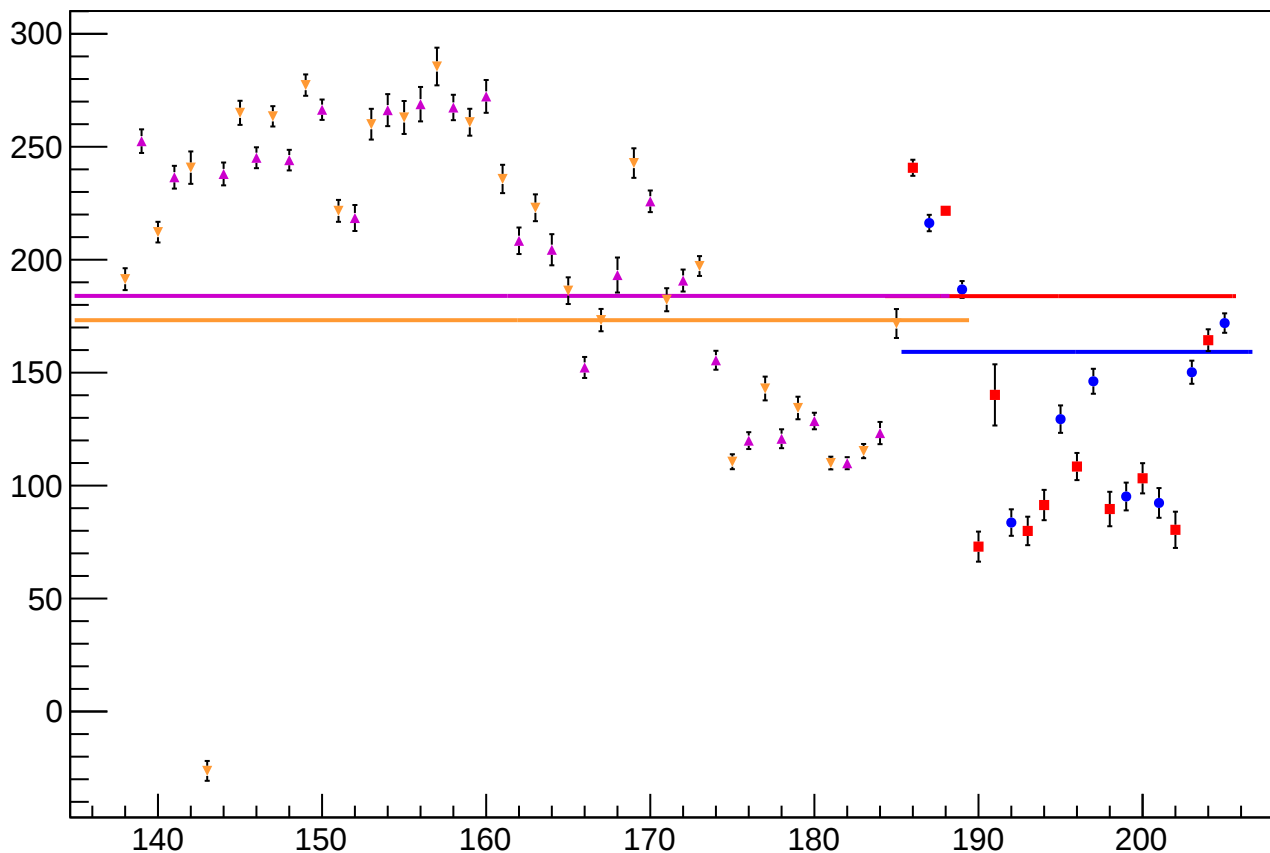
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -134.905 ± 0.037 $\chi^2/\text{NDF}: 785344.5/50$

All: -135.024 ± 0.026 $\chi^2/\text{NDF}: 1592972.2/10$

- sign -135.139 ± 0.037 $\chi^2/\text{NDF}: 807607.4/52$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 159.203 ± 1.625 $\chi^2/\text{NDF}: 720.9/8$

Left Out: 173.229 ± 0.966 $\chi^2/\text{NDF}: 5846.0/24$

Right Out: 183.879 ± 1.327 $\chi^2/\text{NDF}: 2053.7/10$

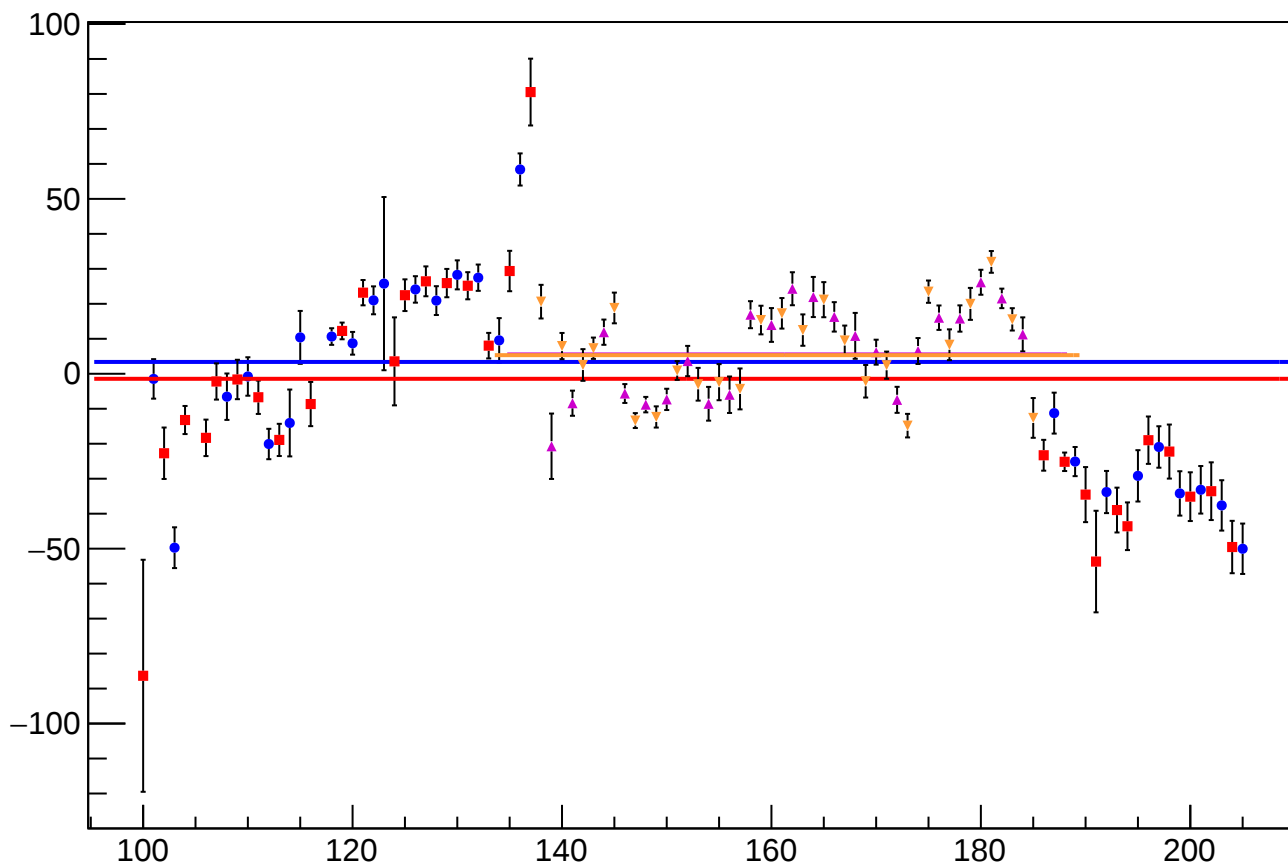
Left In: 183.984 ± 0.991 $\chi^2/\text{NDF}: 3613.7/22$

+ sign 169.570 ± 0.830 $\chi^2/\text{NDF}: 6621.9/33$

All: 177.078 ± 0.574 $\chi^2/\text{NDF}: 12446.0/67$

- sign 183.947 ± 0.794 $\chi^2/\text{NDF}: 5667.4/33$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 3.383 ± 0.949 χ^2/NDF : 700.8/25

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -1.440 ± 0.890 χ^2/NDF : 704.7/29

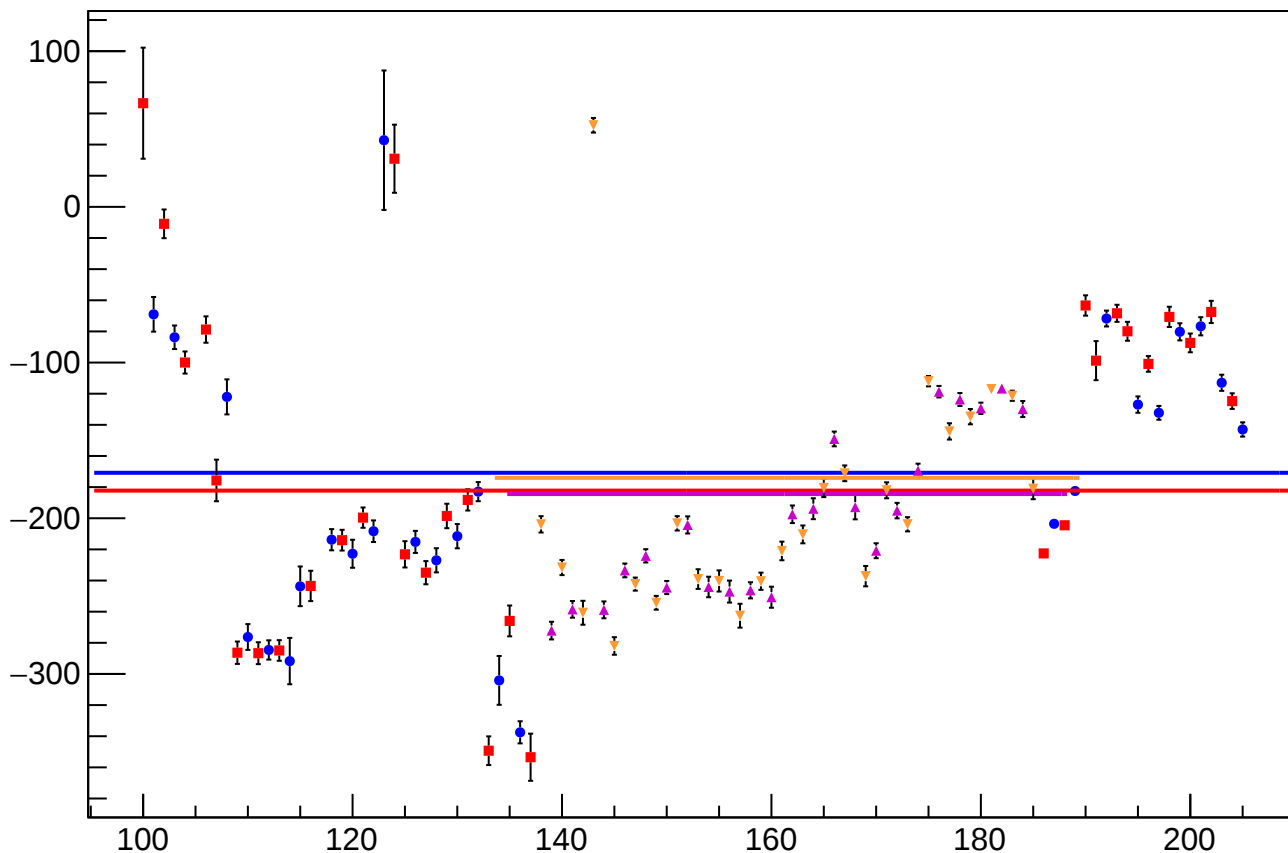
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 4.579 ± 0.587 χ^2/NDF : 1048.9/50

All: 3.538 ± 0.415 χ^2/NDF : 2050.8/103

- sign 2.497 ± 0.587 χ^2/NDF : 995.6/52

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -170.798 ± 1.169 χ^2/NDF : 3052.7/25

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -182.243 ± 0.963 χ^2/NDF : 4827.0/29

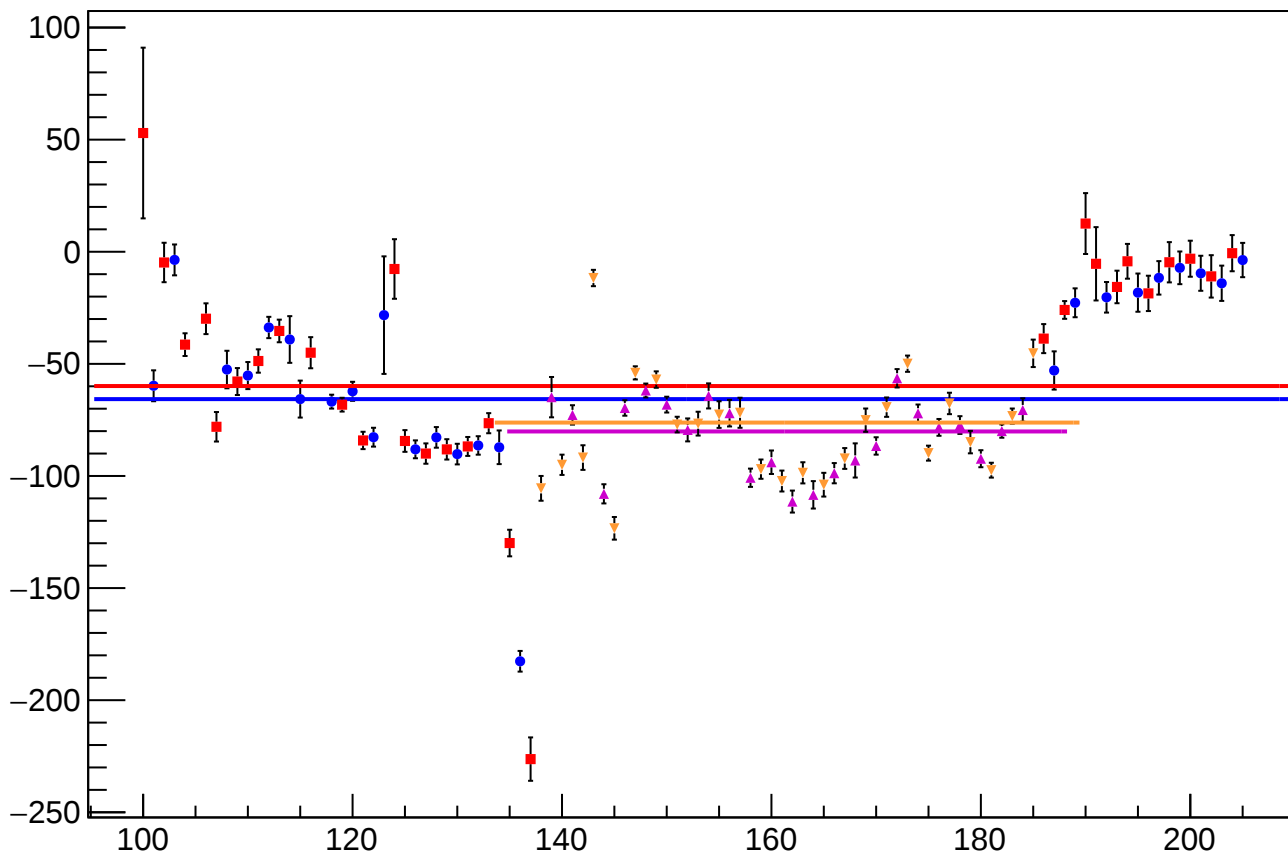
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -172.729 ± 0.747 χ^2/NDF : 8500.6/50

All: -178.438 ± 0.507 χ^2/NDF : 16490.1/103

- sign -183.318 ± 0.690 χ^2/NDF : 7881.1/52

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -65.723 ± 1.111 χ^2/NDF : 1307.8/25

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -59.889 ± 1.061 χ^2/NDF : 1189.8/29

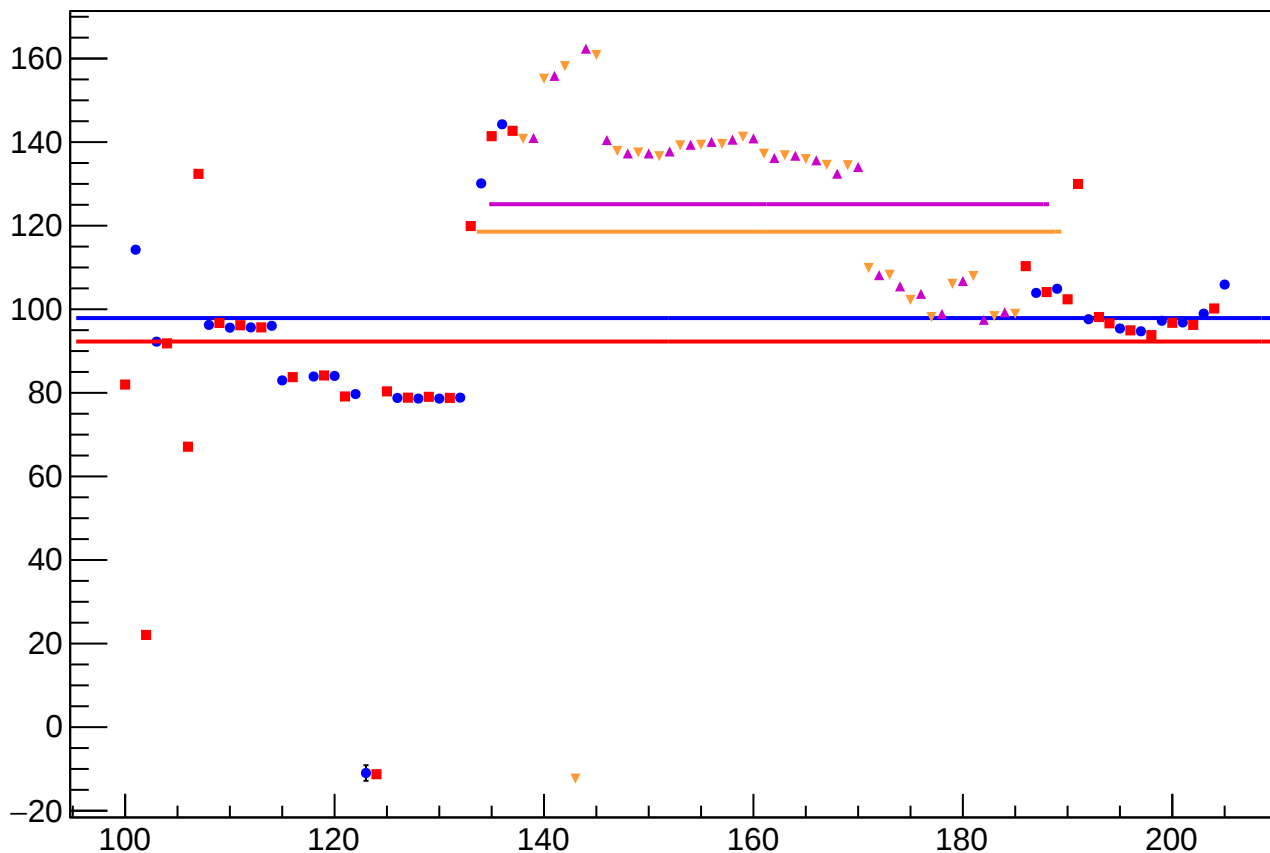
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -72.277 ± 0.679 χ^2/NDF : 2164.4/50

All: -72.037 ± 0.481 χ^2/NDF : 3851.8/103

- sign -71.795 ± 0.682 χ^2/NDF : 1687.2/52

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.891 $\pm$ 0.057 χ^2 /NDF: 95353.2/25

Left Out: 118.569 $\pm$ 0.040 χ^2 /NDF: 728689.7/24

Right Out: 92.279 $\pm$ 0.052 χ^2 /NDF: 241063.5/29

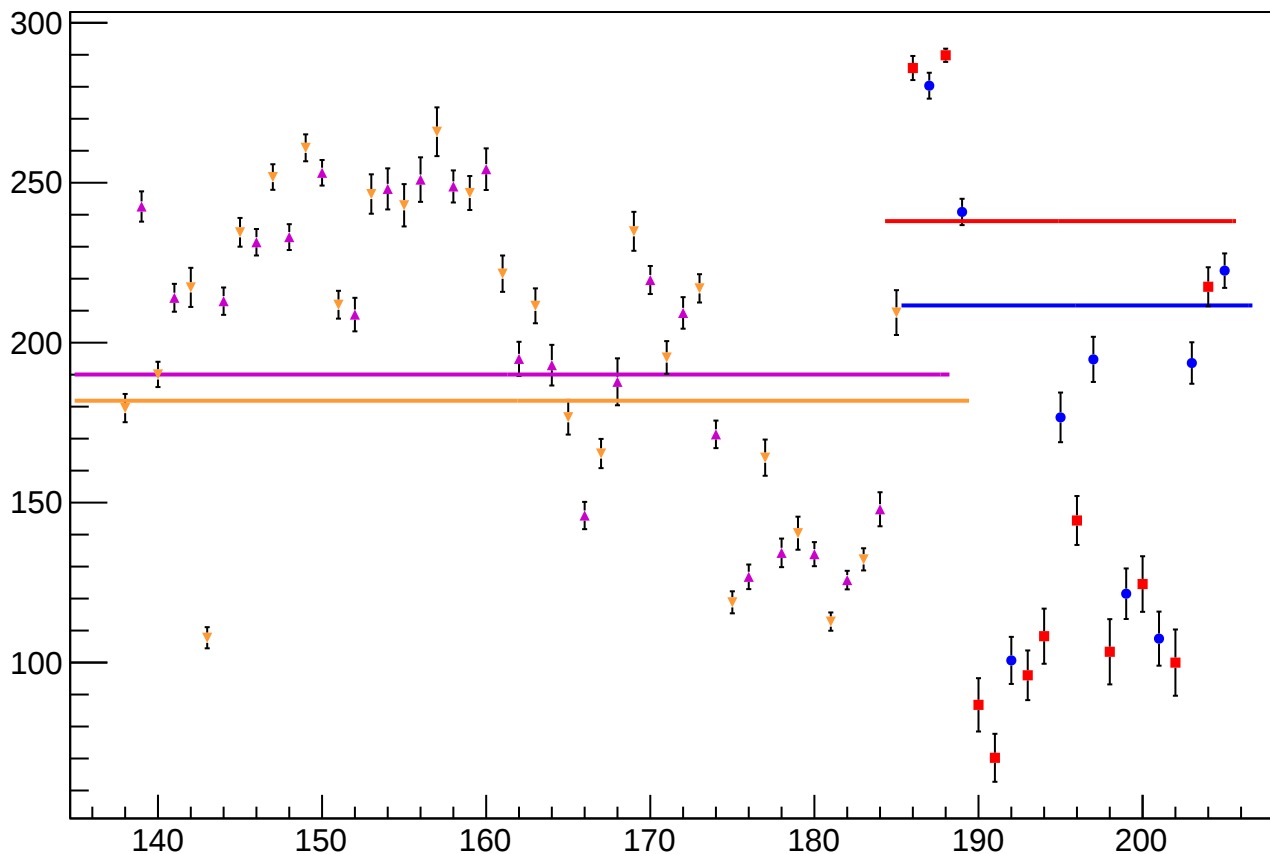
Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

+ sign 111.563 $\pm$ 0.033 χ^2 /NDF: 912395.7/50

All: 112.074 $\pm$ 0.023 χ^2 /NDF: 1617198.2/103

- sign 112.570 $\pm$ 0.032 χ^2 /NDF: 704327.5/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 211.635 $\pm$ 1.948 χ^2 /NDF: 885.8/8

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24

Right Out: 238.003 $\pm$ 1.503 χ^2 /NDF: 2863.8/10

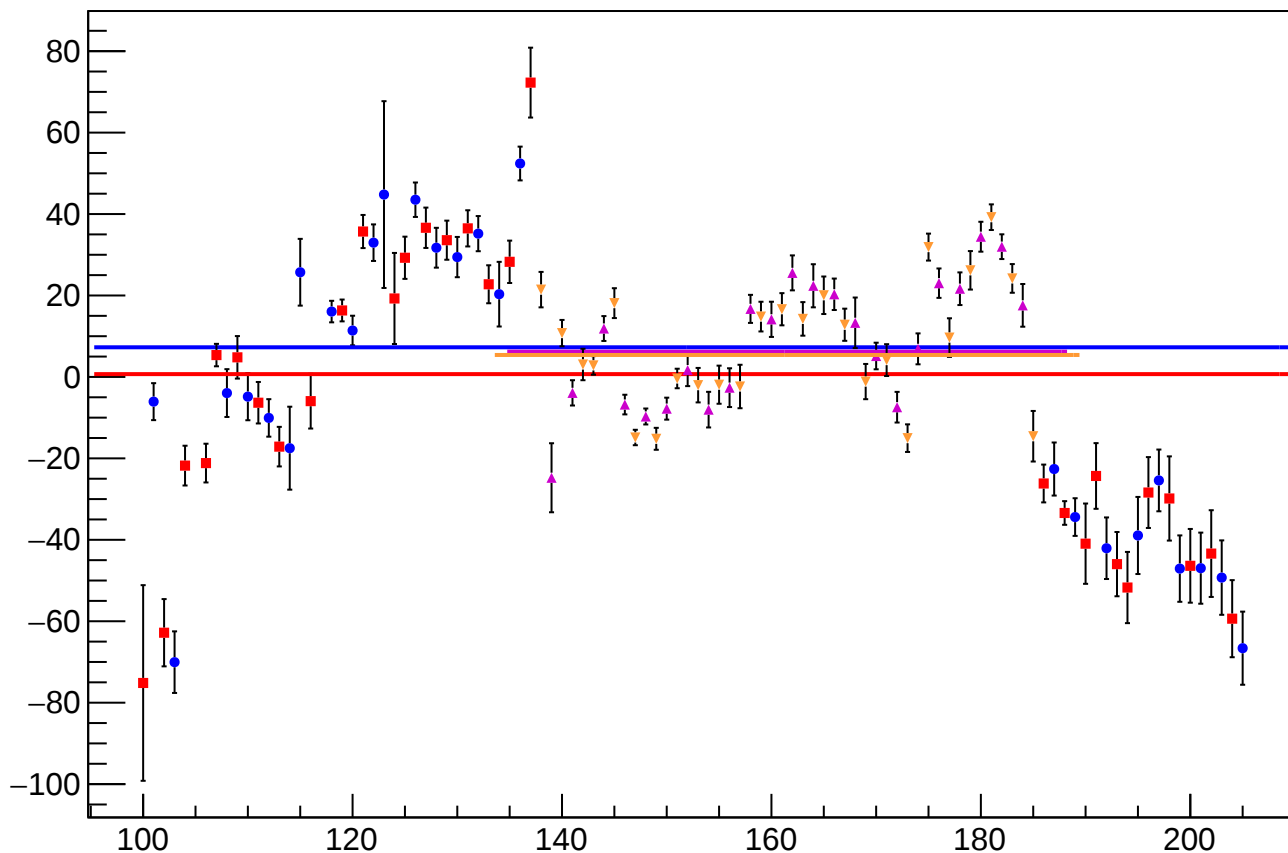
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 187.218 $\pm$ 0.827 χ^2 /NDF: 4380.8/33

All: 195.733 $\pm$ 0.577 χ^2 /NDF: 10615.6/67

- sign 203.796 $\pm$ 0.805 χ^2 /NDF: 6028.3/33

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 7.277 ± 1.053 χ^2/NDF : 851.9/25

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: 0.690 ± 0.943 χ^2/NDF : 930.9/29

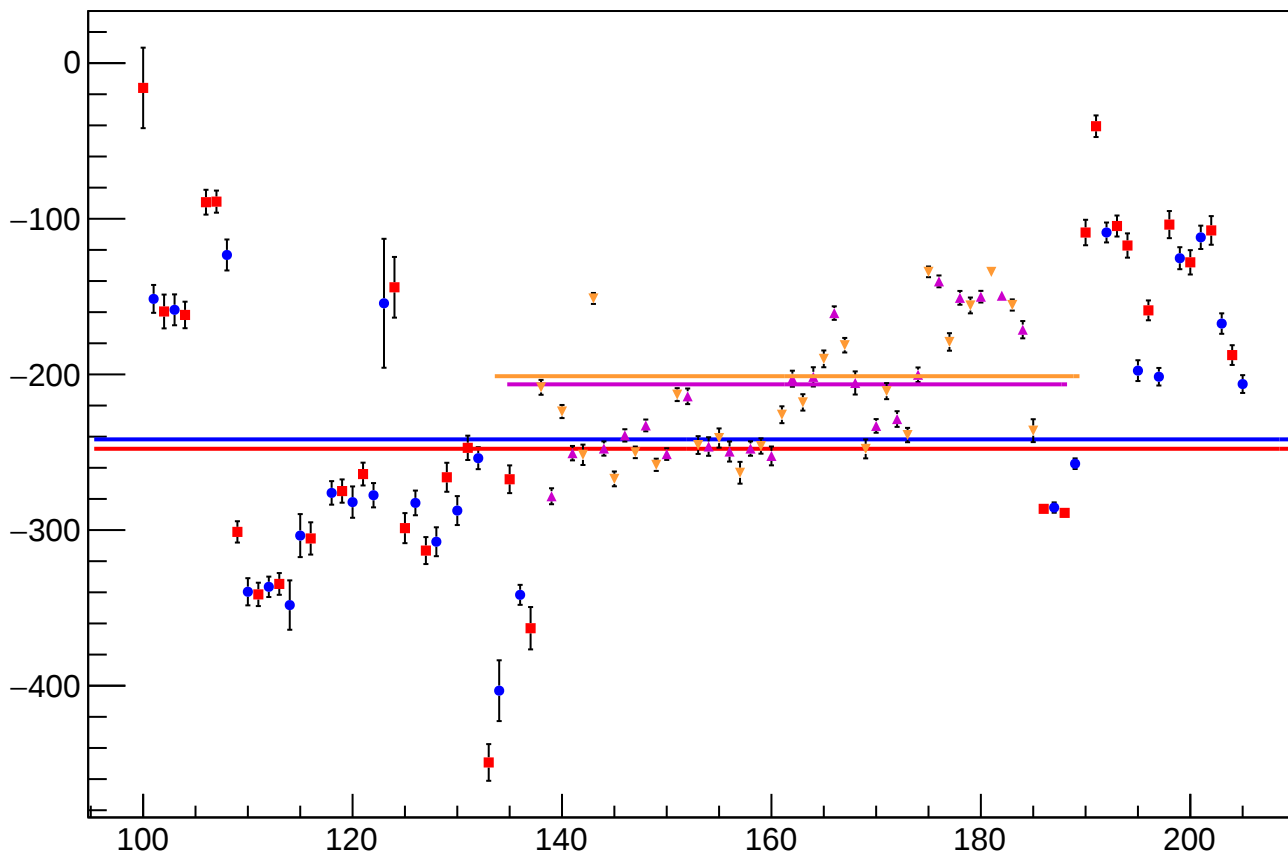
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 5.957 ± 0.576 χ^2/NDF : 1380.6/50

All: 5.049 ± 0.408 χ^2/NDF : 2745.4/103

- sign 4.134 ± 0.578 χ^2/NDF : 1359.8/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -241.728+/-1.343 χ^2 /NDF: 2647.5/25

Left Out: -201.144+/-0.918 χ^2 /NDF:2488.8/24

Right Out: -247.779+/-1.065 χ^2 /NDF: 5759.7/29

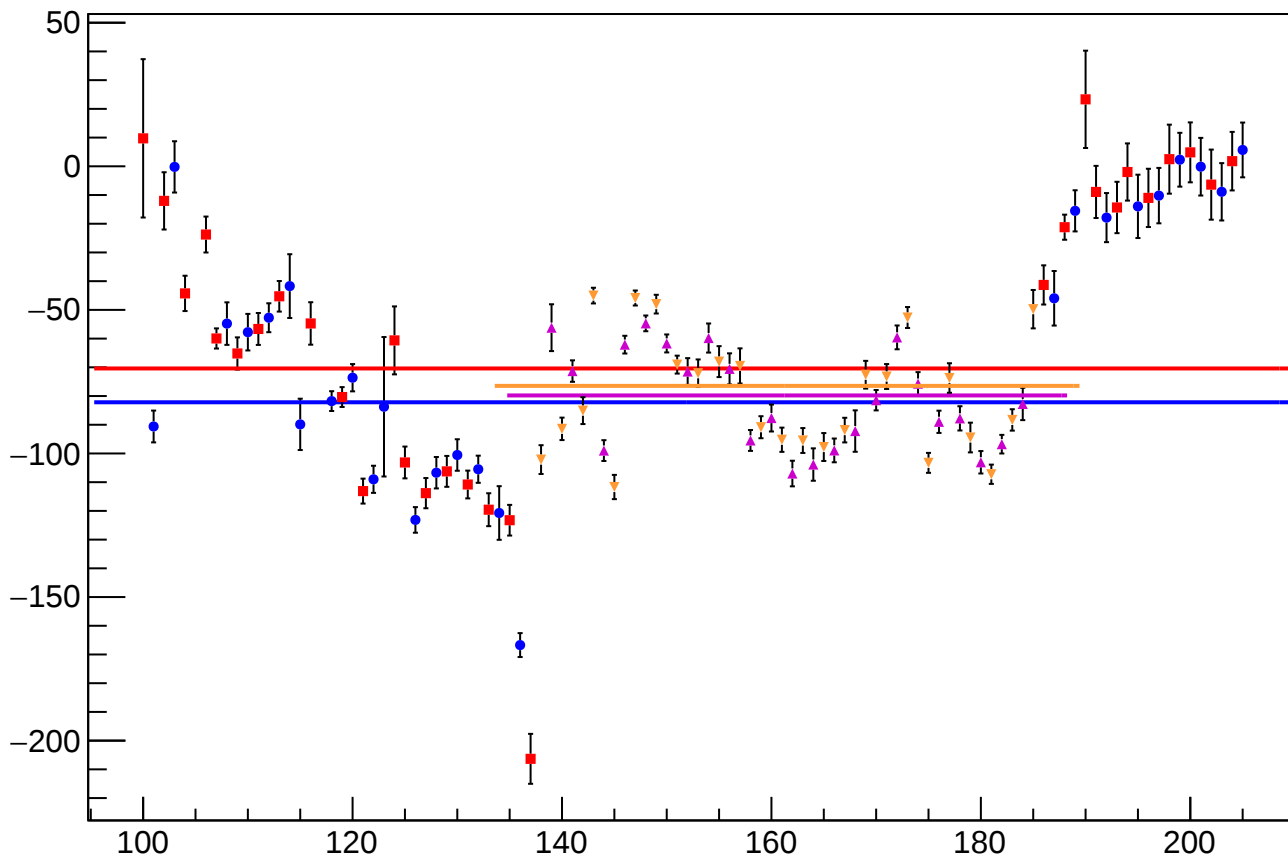
Left In: -206.379+/-0.950 χ^2 /NDF:2111.6/22

+ sign -214.065+/-0.758 χ^2 /NDF: 5758.8/50

All: -219.750+/-0.518 χ^2 /NDF: 14577.7/103

- sign -224.721+/-0.709 χ^2 /NDF: 8713.5/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -82.174 $\pm$ 1.231 χ^2/NDF : 1306.2/25

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -70.401 $\pm$ 1.128 χ^2/NDF : 1406.4/29

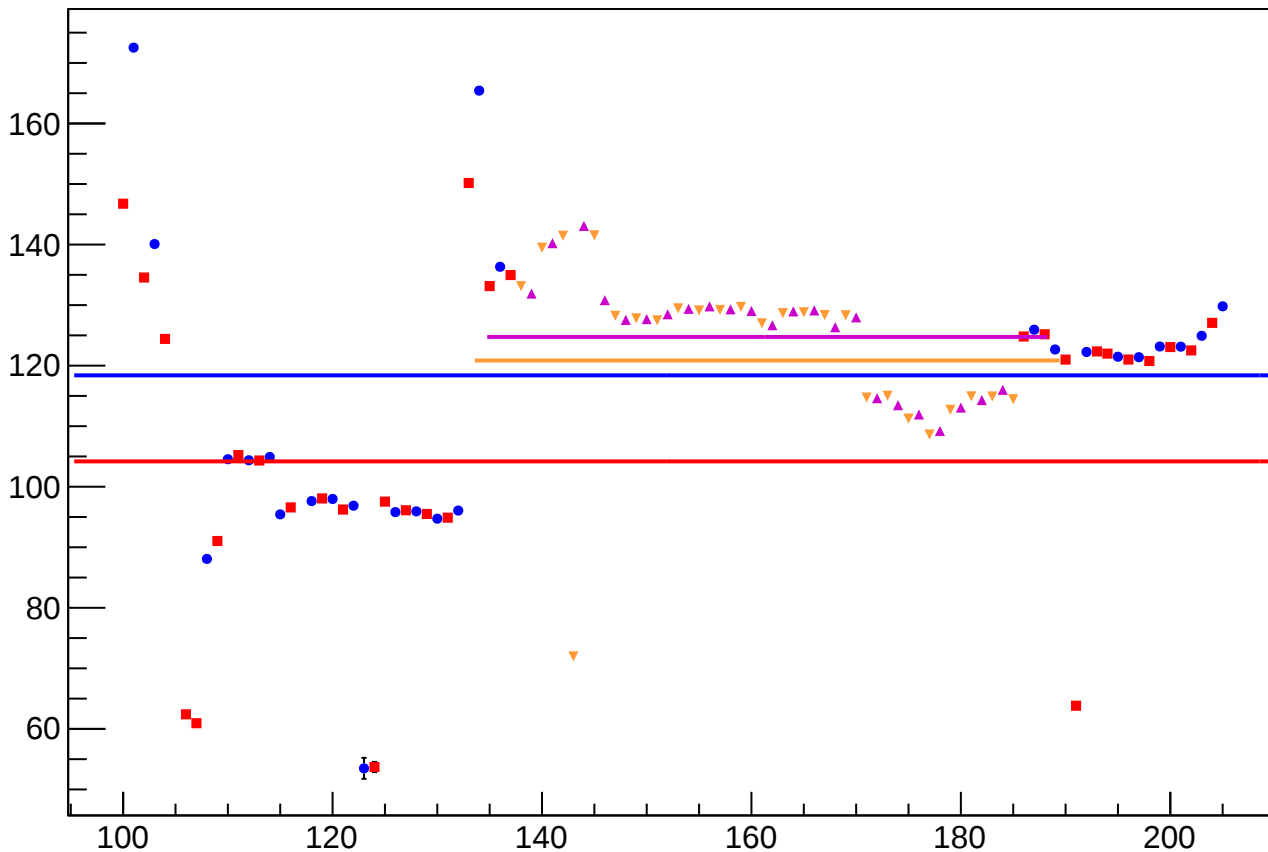
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -78.146 $\pm$ 0.669 χ^2/NDF : 2102.7/50

All: -77.301 $\pm$ 0.475 χ^2/NDF : 3969.2/103

- sign -76.445 $\pm$ 0.674 χ^2/NDF : 1863.3/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 118.399 $\pm$ 0.064 χ^2 /NDF: 108837.3/25

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF: 182759.1/24

Right Out: 104.190 $\pm$ 0.056 χ^2 /NDF: 238372.0/29

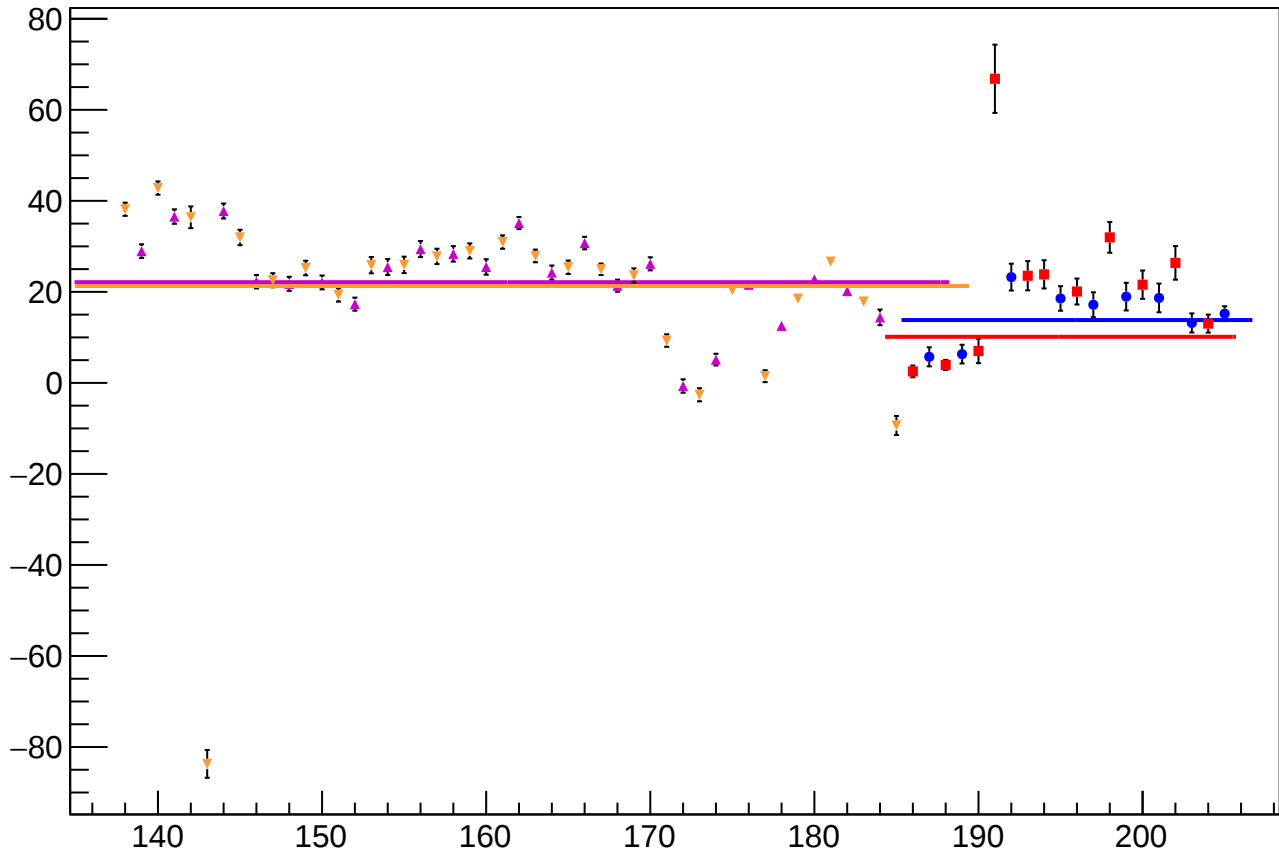
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.215 $\pm$ 0.033 χ^2 /NDF: 292681.9/50

All: 119.049 $\pm$ 0.023 χ^2 /NDF: 675696.3/103

- sign 117.927 $\pm$ 0.032 χ^2 /NDF: 380521.6/52

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 13.808 $\pm$ 0.776 χ^2 /NDF: 49.0/8

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF: 2600.5/24

Right Out: 10.134 $\pm$ 0.645 χ^2 /NDF: 249.8/10

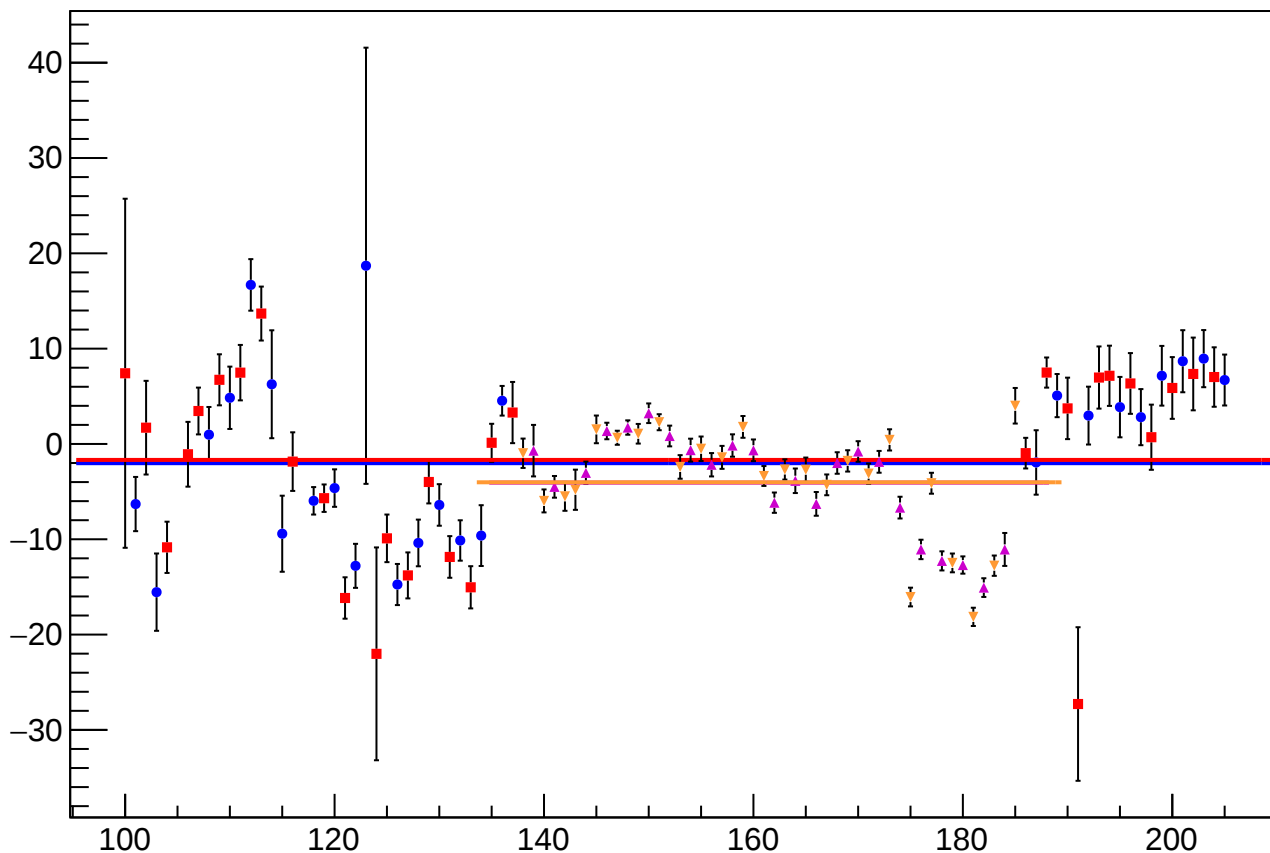
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 20.407 $\pm$ 0.265 χ^2 /NDF: 2731.5/33

All: 20.283 $\pm$ 0.186 χ^2 /NDF: 4170.7/67

- sign 20.164 $\pm$ 0.261 χ^2 /NDF: 1438.8/33

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -2.018 ± 0.504 $\chi^2/\text{NDF}: 254.8/25$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: -1.675 ± 0.473 $\chi^2/\text{NDF}: 307.2/29$

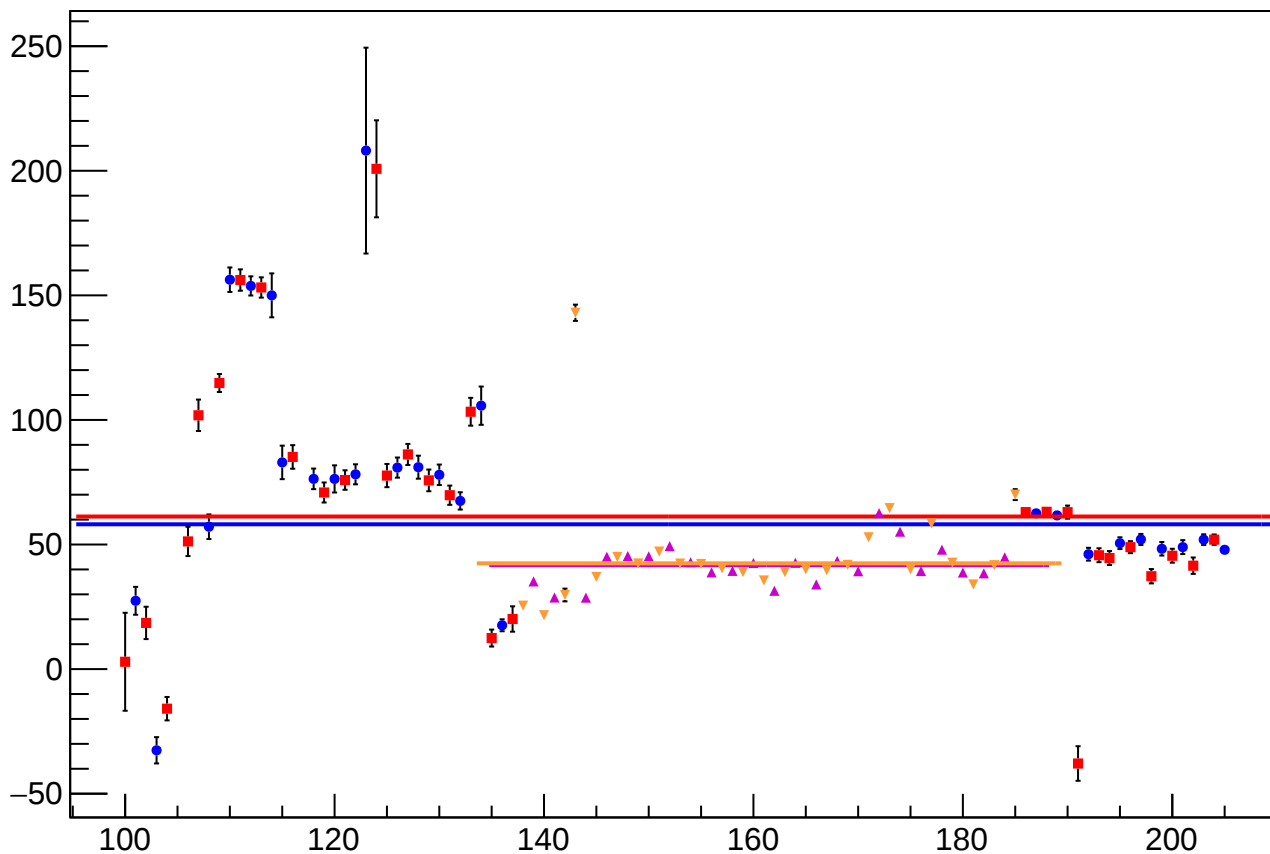
Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

+ sign -3.693 ± 0.204 $\chi^2/\text{NDF}: 1002.1/50$

All: -3.652 ± 0.145 $\chi^2/\text{NDF}: 1907.2/103$

- sign -3.610 ± 0.205 $\chi^2/\text{NDF}: 905.0/52$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 58.120+/-0.590 χ^2 /NDF: 2061.4/25

Left Out: 42.452+/-0.282 χ^2 /NDF:2016.0/24

Right Out: 61.235+/-0.488 χ^2 /NDF: 2535.1/29

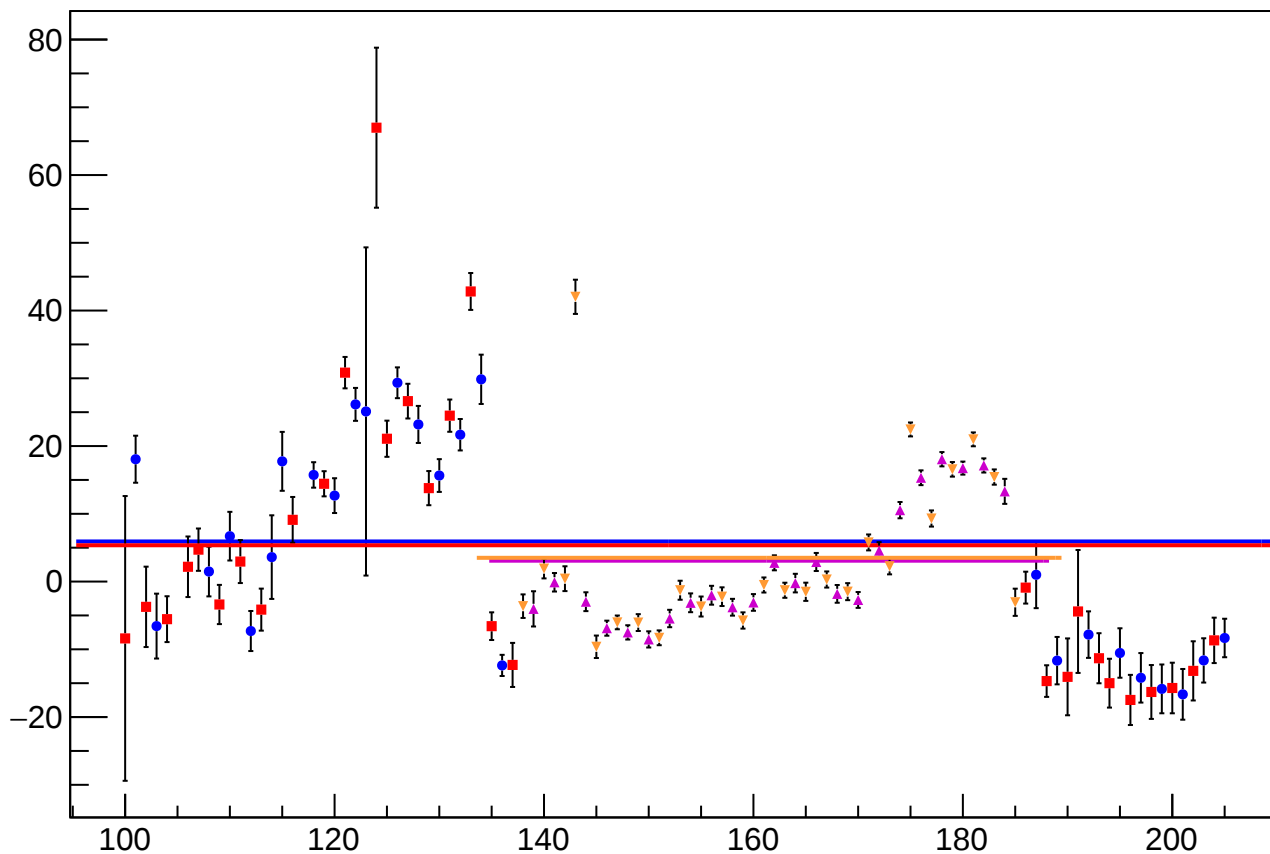
Left In: 41.695+/-0.284 χ^2 /NDF:630.2/22

+ sign 45.361+/-0.254 χ^2 /NDF: 4650.8/50

All: 46.026+/-0.177 χ^2 /NDF: 9027.5/103

- sign 46.645+/-0.246 χ^2 /NDF: 4363.5/52

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 5.920 ± 0.580 χ^2/NDF : 761.0/25

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 5.357 ± 0.562 χ^2/NDF : 919.5/29

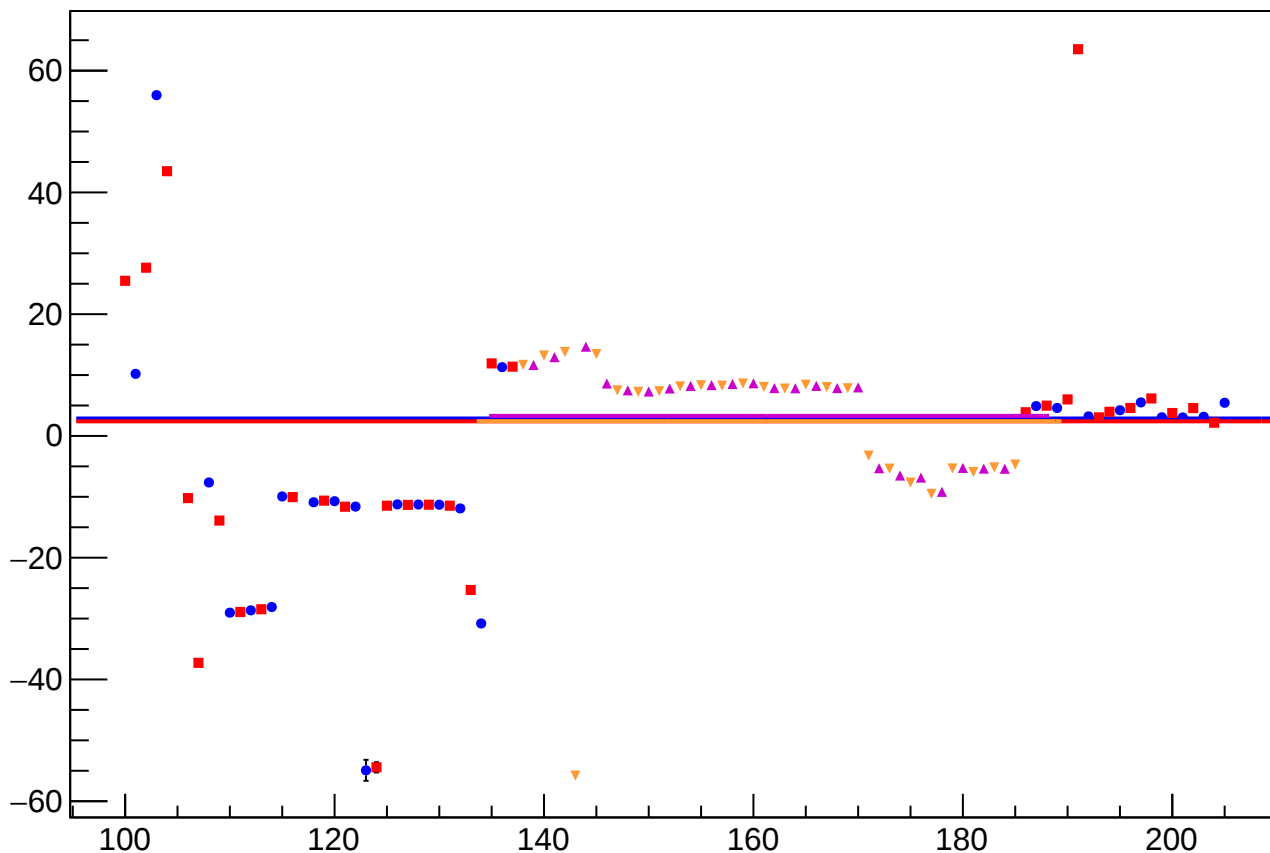
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.889 ± 0.231 χ^2/NDF : 2466.9/50

All: 3.684 ± 0.164 χ^2/NDF : 4667.3/103

- sign 3.475 ± 0.234 χ^2/NDF : 2198.8/52

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.864 $\pm$ 0.028 χ^2 /NDF: 359618.6/25

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.399 $\pm$ 0.027 χ^2 /NDF: 431245.4/29

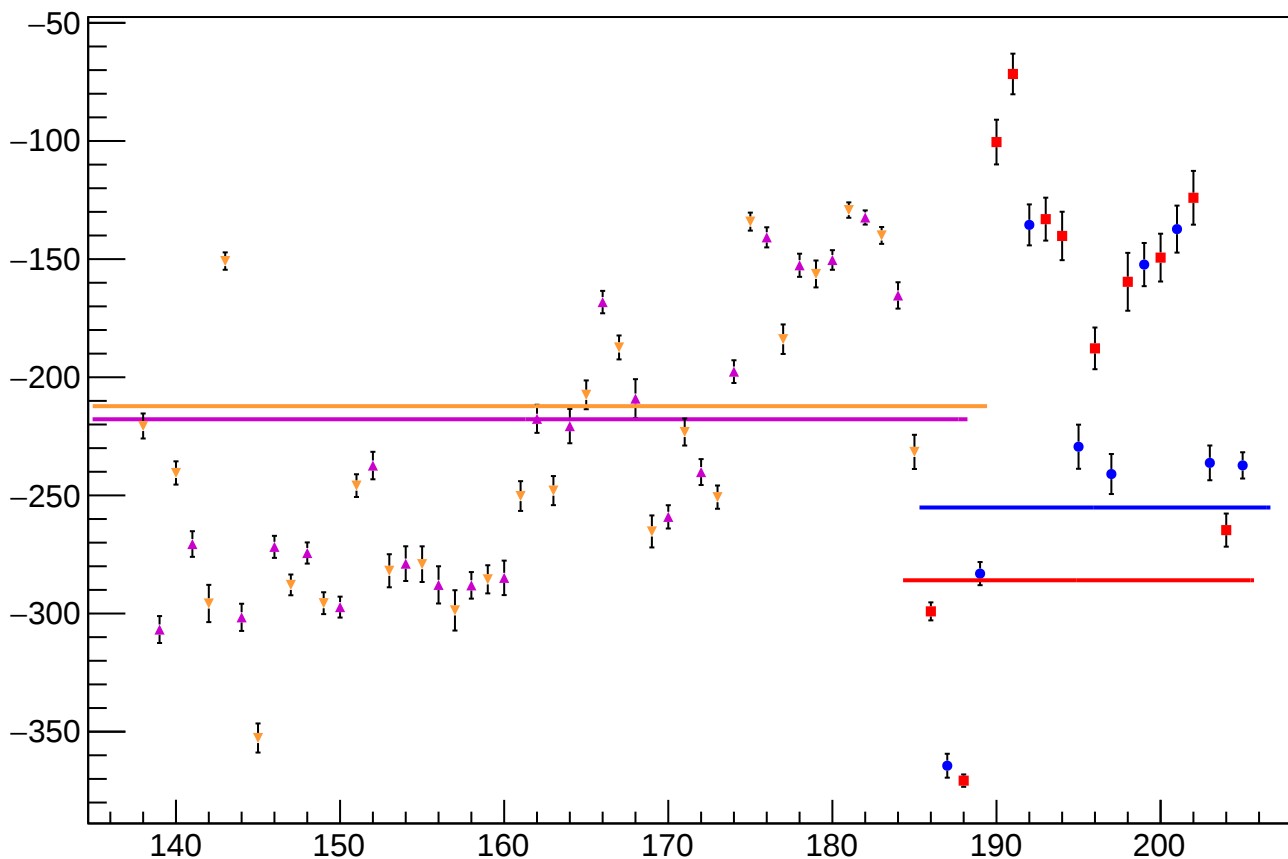
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.491 $\pm$ 0.011 χ^2 /NDF: 976217.6/50

All: 2.820 $\pm$ 0.008 χ^2 /NDF: 1814630.2/103

- sign 3.150 $\pm$ 0.011 χ^2 /NDF: 836507.3/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -255.124 ± 2.280 χ^2/NDF : 983.3/8

Left Out: -212.231 ± 1.029 χ^2/NDF : 3875.4/24

Right Out: -285.928 ± 1.770 χ^2/NDF : 3181.0/10

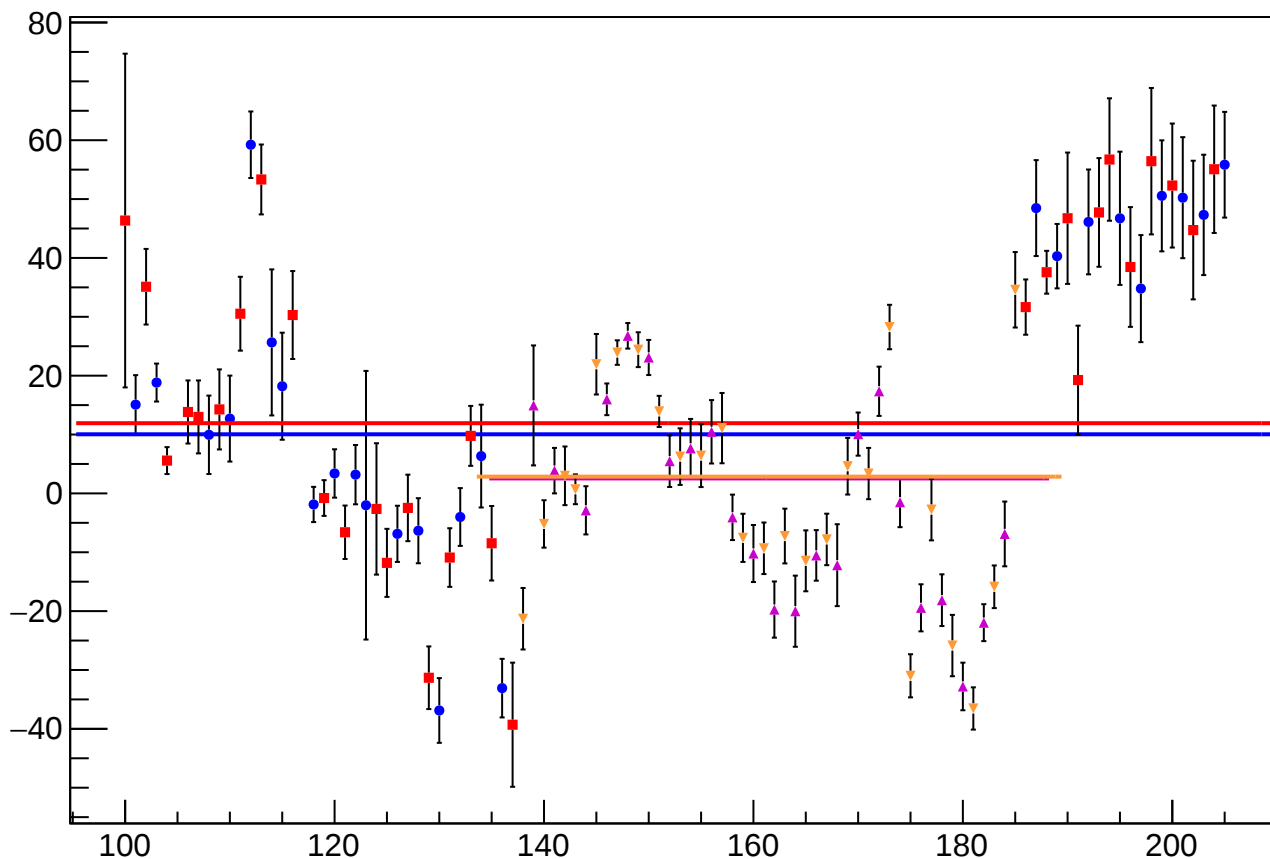
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -219.493 ± 0.938 χ^2/NDF : 5152.6/33

All: -227.933 ± 0.655 χ^2/NDF : 13027.4/67

- sign -235.936 ± 0.914 χ^2/NDF : 7717.2/33

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 10.040 ± 1.141 $\chi^2/\text{NDF}: 445.2/25$

Left Out: 2.848 ± 0.775 $\chi^2/\text{NDF}: 582.1/24$

Right Out: 11.927 ± 1.027 $\chi^2/\text{NDF}: 435.7/29$

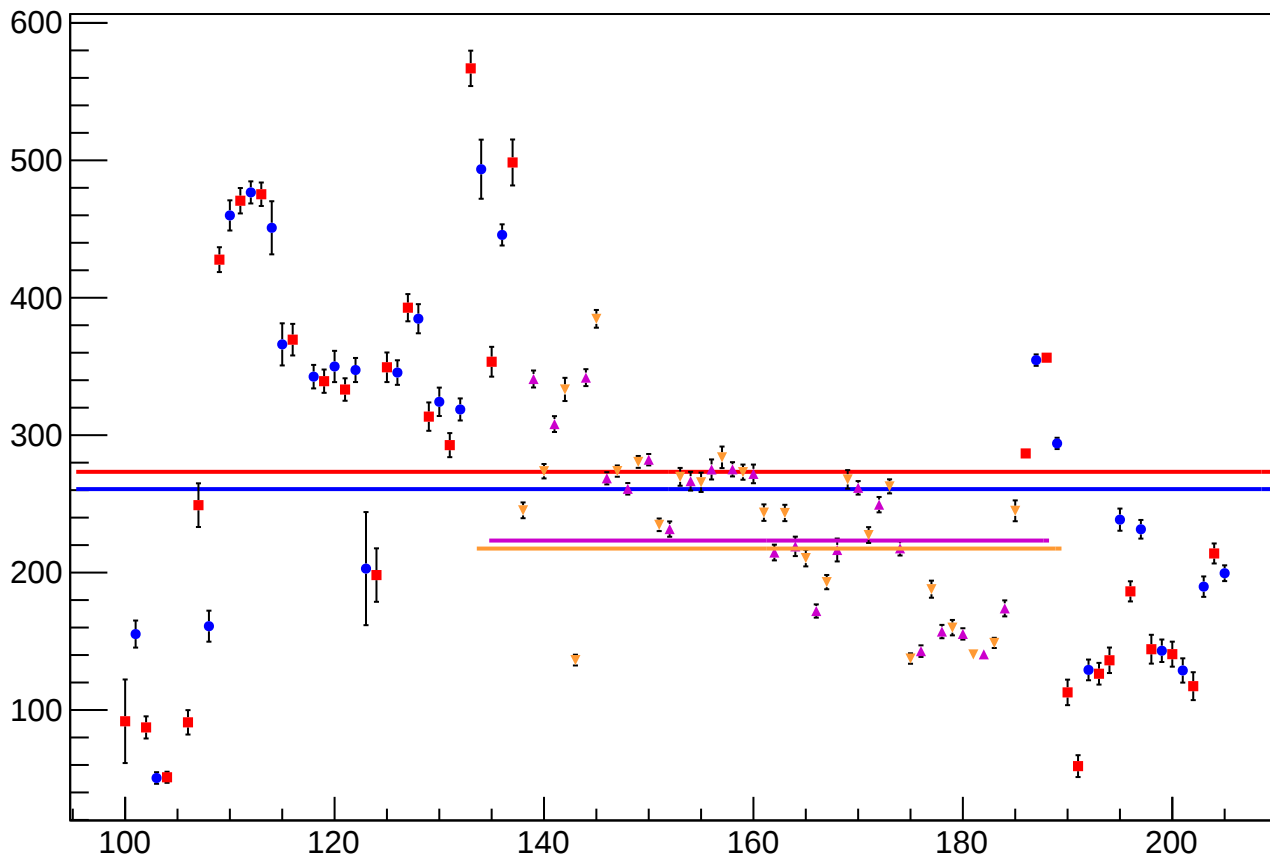
Left In: 2.540 ± 0.822 $\chi^2/\text{NDF}: 473.6/22$

+ sign 5.117 ± 0.641 $\chi^2/\text{NDF}: 1054.5/50$

All: 5.661 ± 0.454 $\chi^2/\text{NDF}: 2016.1/103$

- sign 6.208 ± 0.642 $\chi^2/\text{NDF}: 960.2/52$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 260.748 $\pm$ 1.486 χ^2 /NDF: 6663.0/25

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 273.323 $\pm$ 1.205 χ^2 /NDF: 10483.4/29

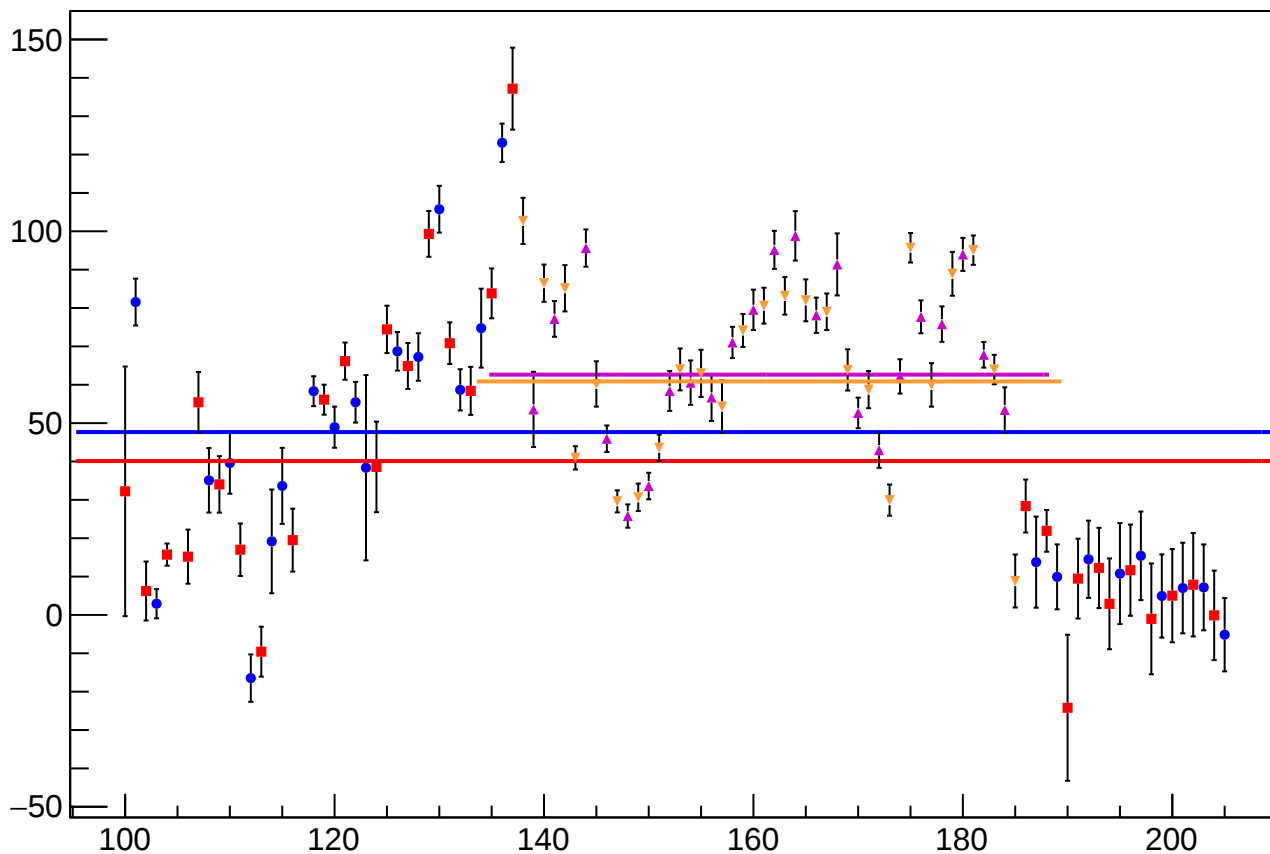
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 231.572 $\pm$ 0.848 χ^2 /NDF: 11004.5/50

All: 238.796 $\pm$ 0.581 χ^2 /NDF: 25972.4/103

- sign 245.174 $\pm$ 0.797 χ^2 /NDF: 14831.2/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 47.665 $\pm$ 1.336 χ^2 /NDF: 778.8/25

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 40.115 $\pm$ 1.235 χ^2 /NDF: 635.2/29

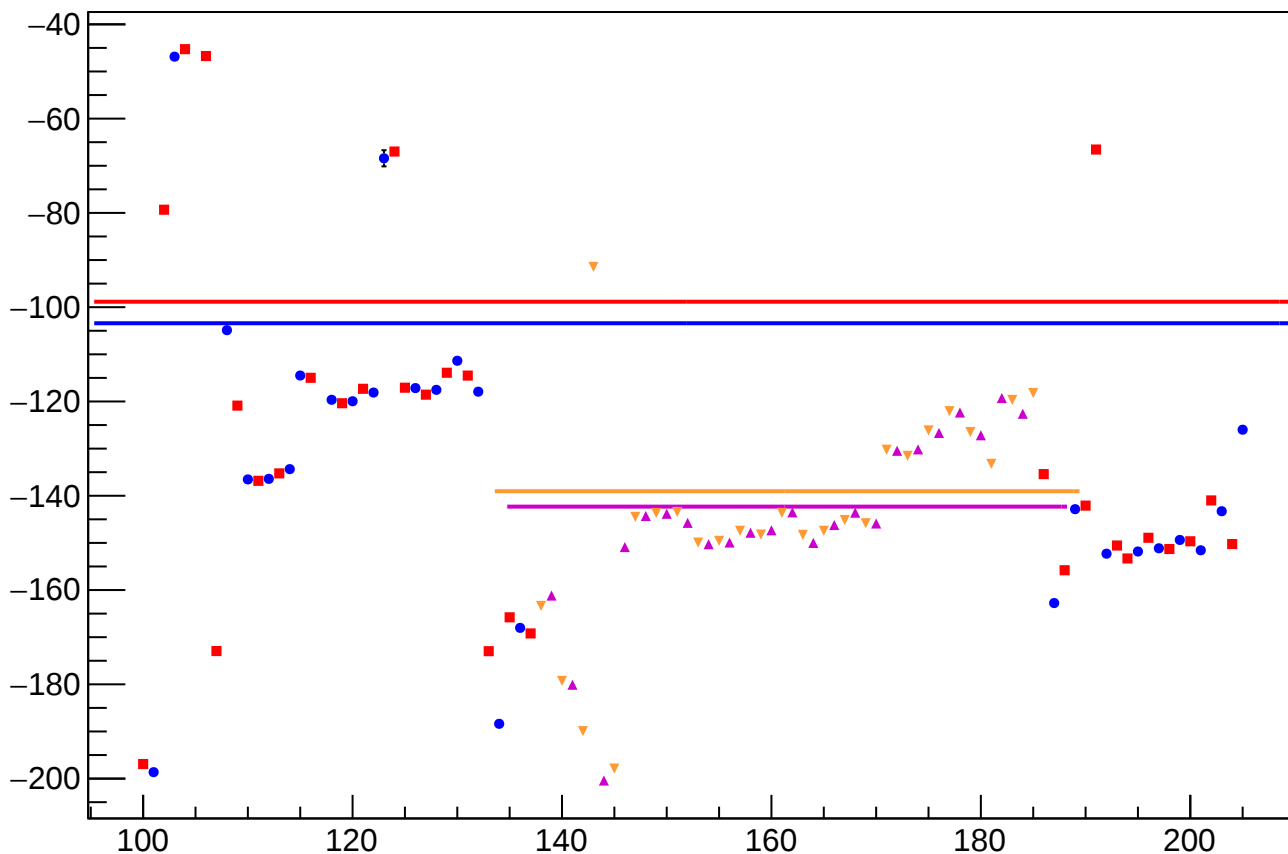
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 56.763 $\pm$ 0.744 χ^2 /NDF: 1577.7/50

All: 55.562 $\pm$ 0.528 χ^2 /NDF: 2943.9/103

- sign 54.345 $\pm$ 0.749 χ^2 /NDF: 1360.9/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -103.405+/-0.060 χ^2/NDF : 692595.2/25

Left Out: -139.040+/-0.043 χ^2/NDF : 258113.4/24

Right Out: -98.838+/-0.056 χ^2/NDF : 726785.6/29

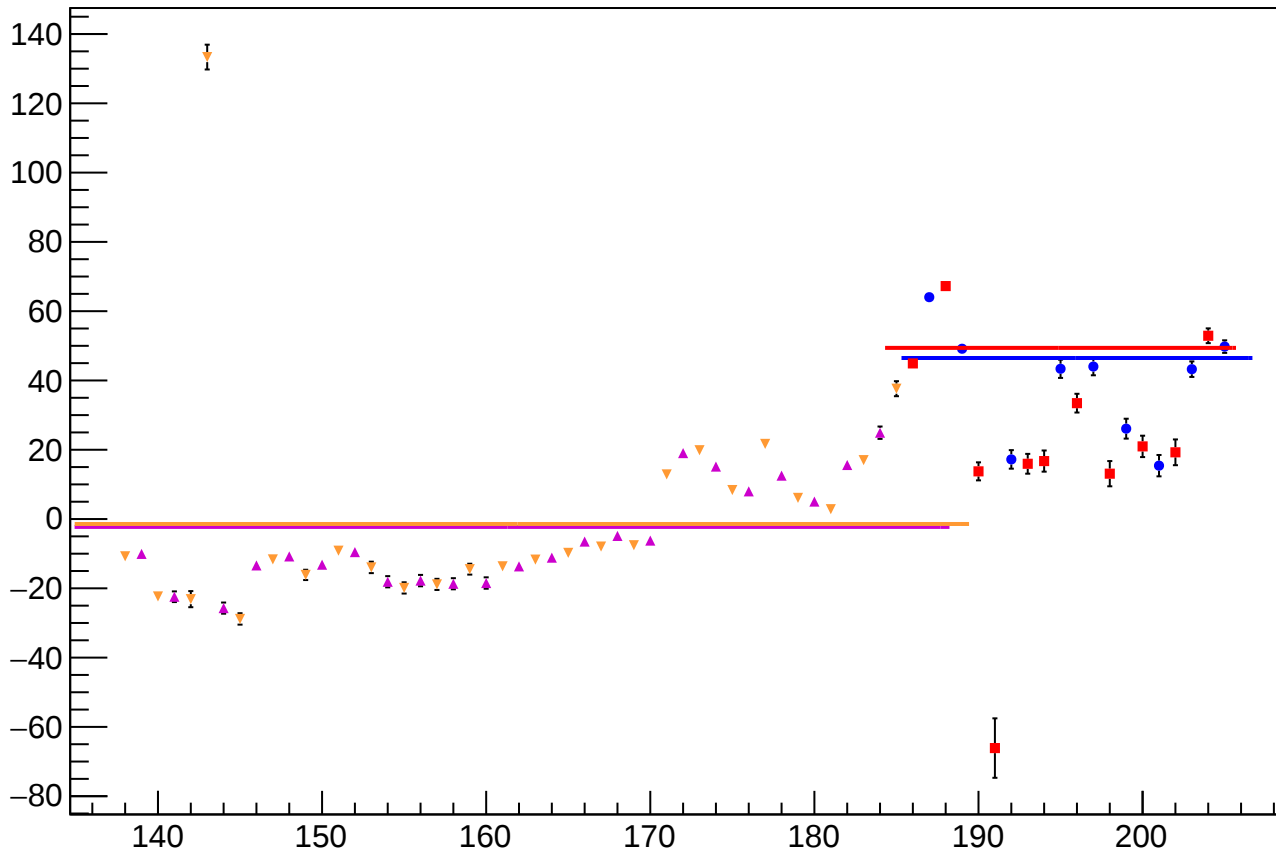
Left In: -142.305+/-0.044 χ^2/NDF : 143351.8/22

+ sign -126.957+/-0.035 χ^2/NDF : 1184995.2/50

All: -126.339+/-0.025 χ^2/NDF : 2426670.0/10

- sign -125.727+/-0.035 χ^2/NDF : 1241048.0/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 46.485 ± 0.681 χ^2/NDF : 441.7/8

Left Out: -1.427 ± 0.268 χ^2/NDF : 4339.0/24

Right Out: 49.408 ± 0.500 χ^2/NDF : 1465.1/10

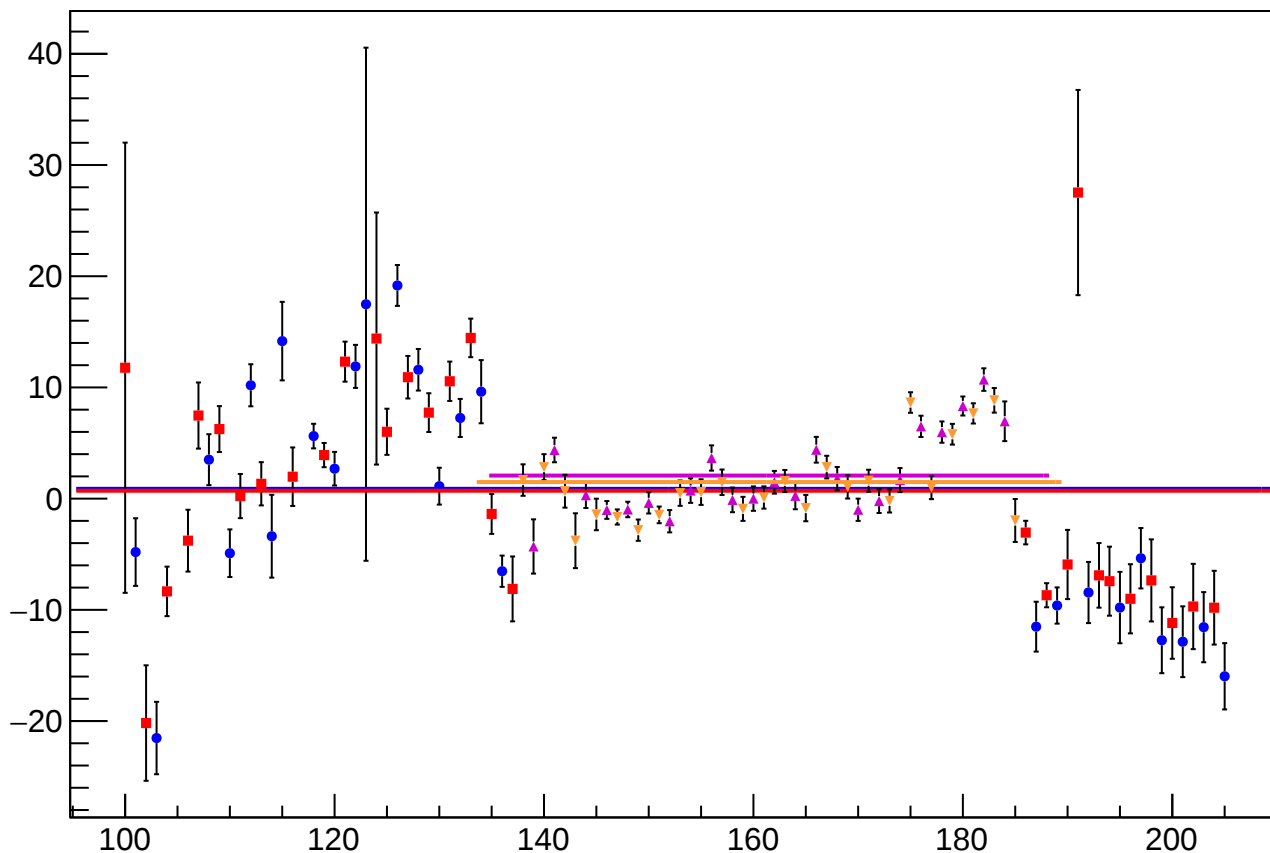
Left In: -2.270 ± 0.271 χ^2/NDF : 2521.6/22

+ sign 4.987 ± 0.249 χ^2/NDF : 9071.2/33

All: 7.323 ± 0.172 χ^2/NDF : 21494.2/67

- sign 9.457 ± 0.238 χ^2/NDF : 12254.7/33

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 0.882 ± 0.413 χ^2/NDF : 522.2/25

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: 0.713 ± 0.379 χ^2/NDF : 415.9/29

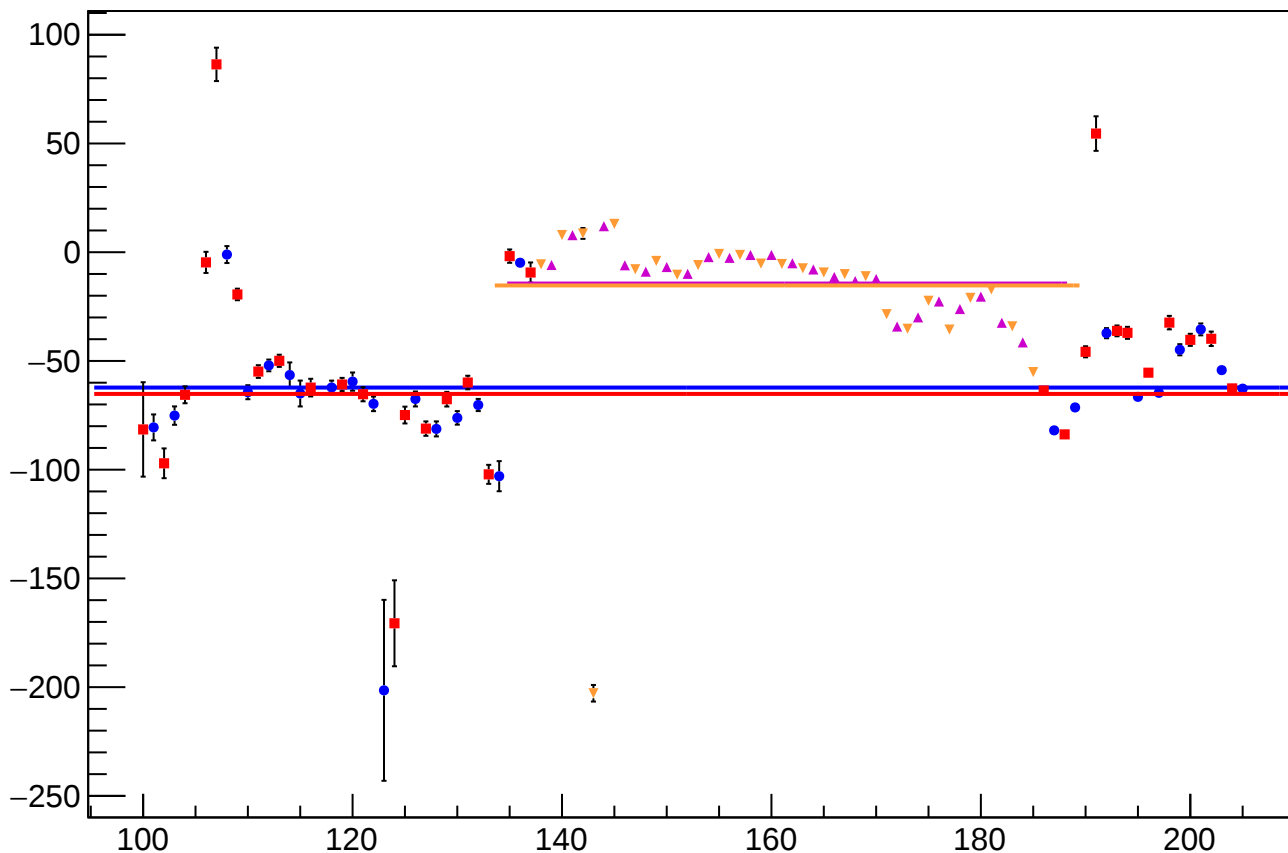
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.366 ± 0.187 χ^2/NDF : 783.0/50

All: 1.554 ± 0.132 χ^2/NDF : 1485.2/103

- sign 1.742 ± 0.187 χ^2/NDF : 700.2/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -62.236 ± 0.491 χ^2/NDF : 1723.4/25

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -65.161 ± 0.372 χ^2/NDF : 3302.6/29

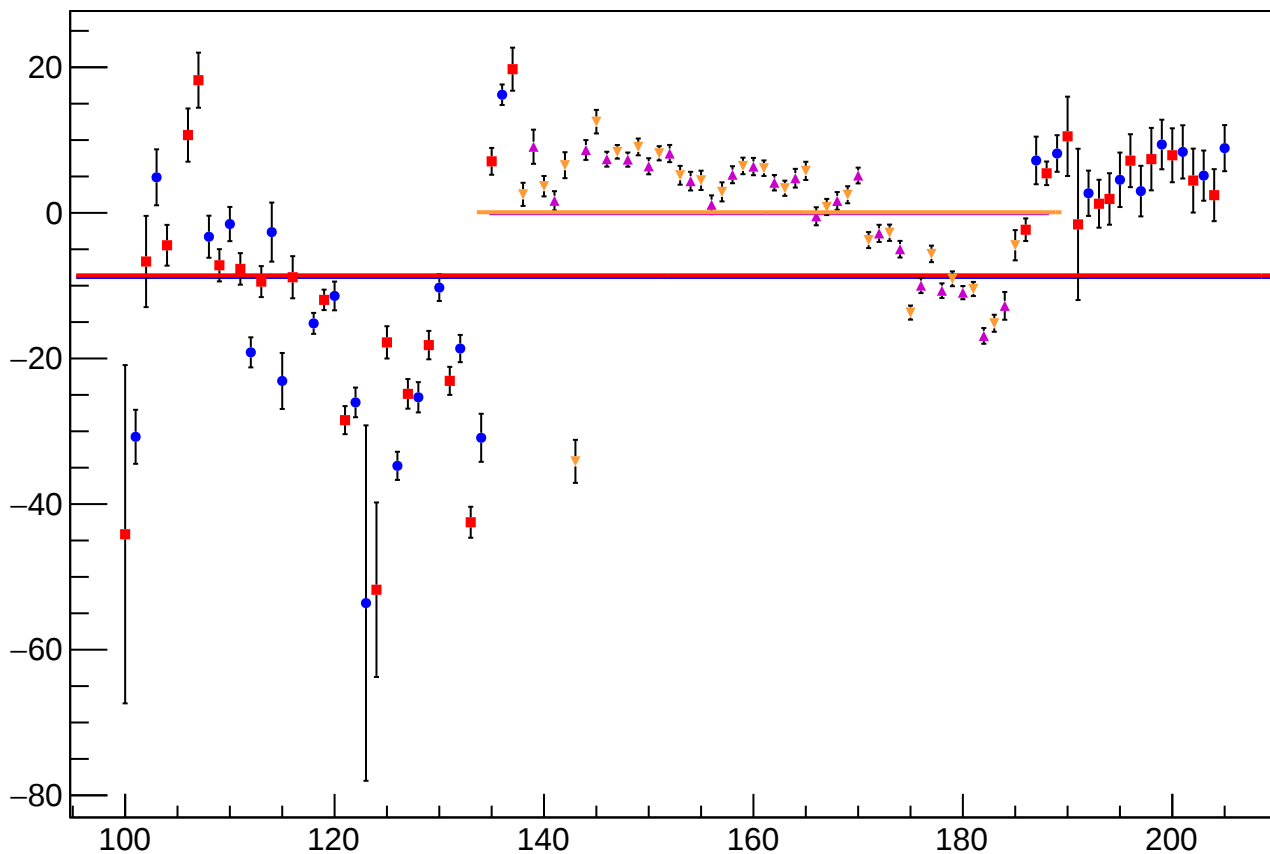
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -25.971 ± 0.234 χ^2/NDF : 13596.7/50

All: -29.105 ± 0.160 χ^2/NDF : 31468.3/103

- sign -31.818 ± 0.218 χ^2/NDF : 17538.2/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -8.807 ± 0.481 χ^2/NDF : 1035.0/25

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -8.577 ± 0.457 χ^2/NDF : 980.9/29

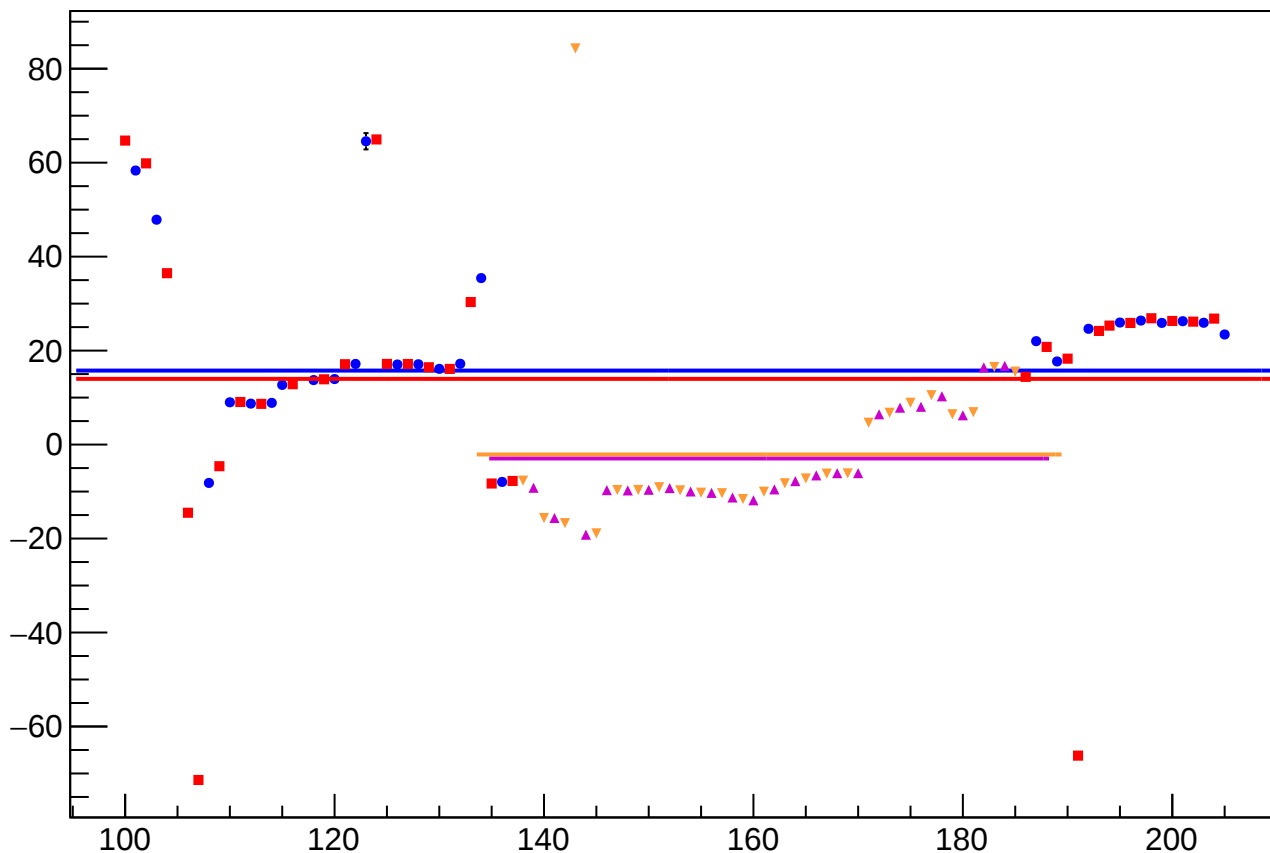
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.663 ± 0.214 χ^2/NDF : 2481.4/50

All: -1.794 ± 0.151 χ^2/NDF : 4763.2/103

- sign -1.926 ± 0.215 χ^2/NDF : 2281.0/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 15.749 ± 0.024 χ^2/NDF : 467414.4/25

Left Out: -2.105 ± 0.011 χ^2/NDF : 1093120.2/24

Right Out: 13.986 ± 0.024 χ^2/NDF : 742792.5/29

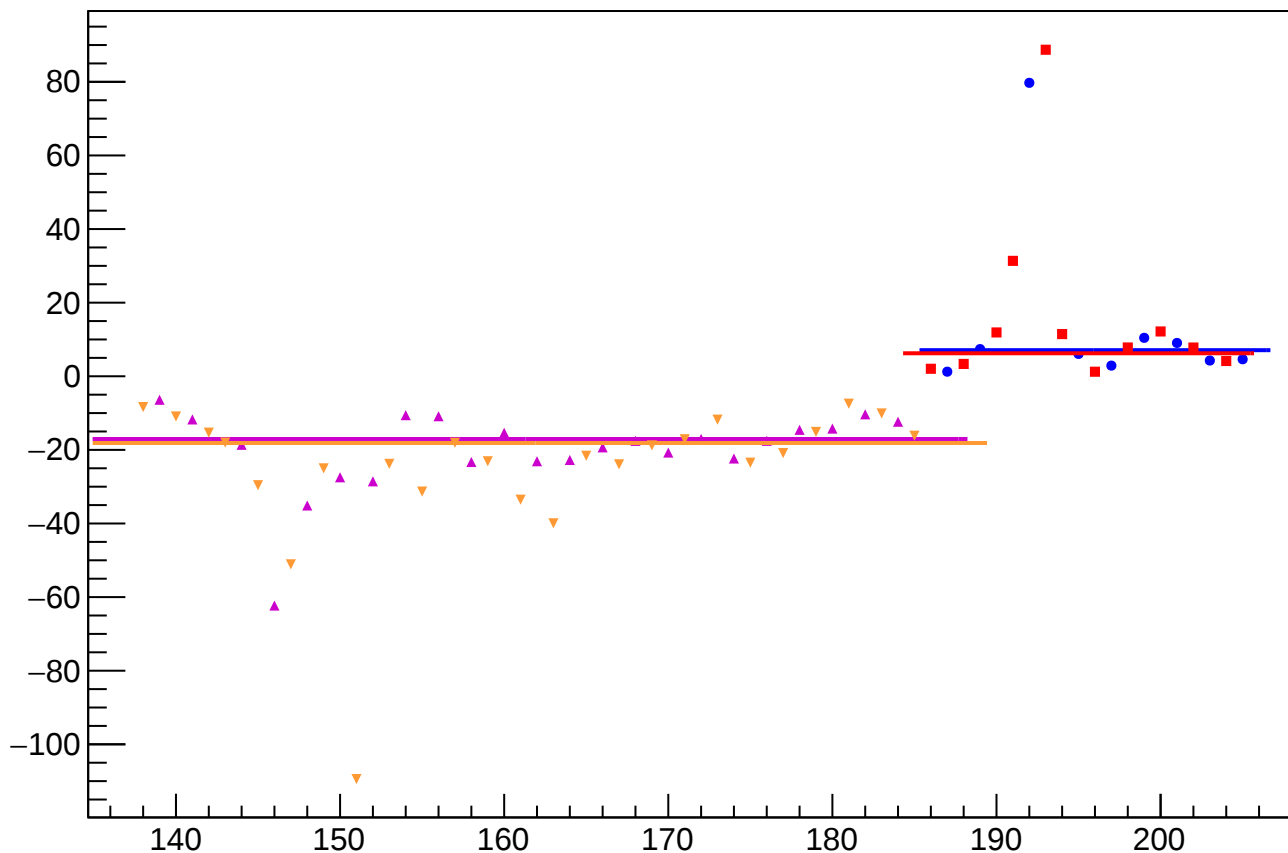
Left In: -2.959 ± 0.011 χ^2/NDF : 763000.9/22

+ sign 0.921 ± 0.010 χ^2/NDF : 2013385.2/50

All: 0.504 ± 0.007 χ^2/NDF : 3949106.2/103

- sign 0.087 ± 0.010 χ^2/NDF : 1932214.1/52

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 7.089+/-0.069 χ^2/NDF : 25105.3/8

Left Out: -18.128+/-0.039 χ^2/NDF : 88551.6/24

Right Out: 6.249+/-0.065 χ^2/NDF : 25747.3/10

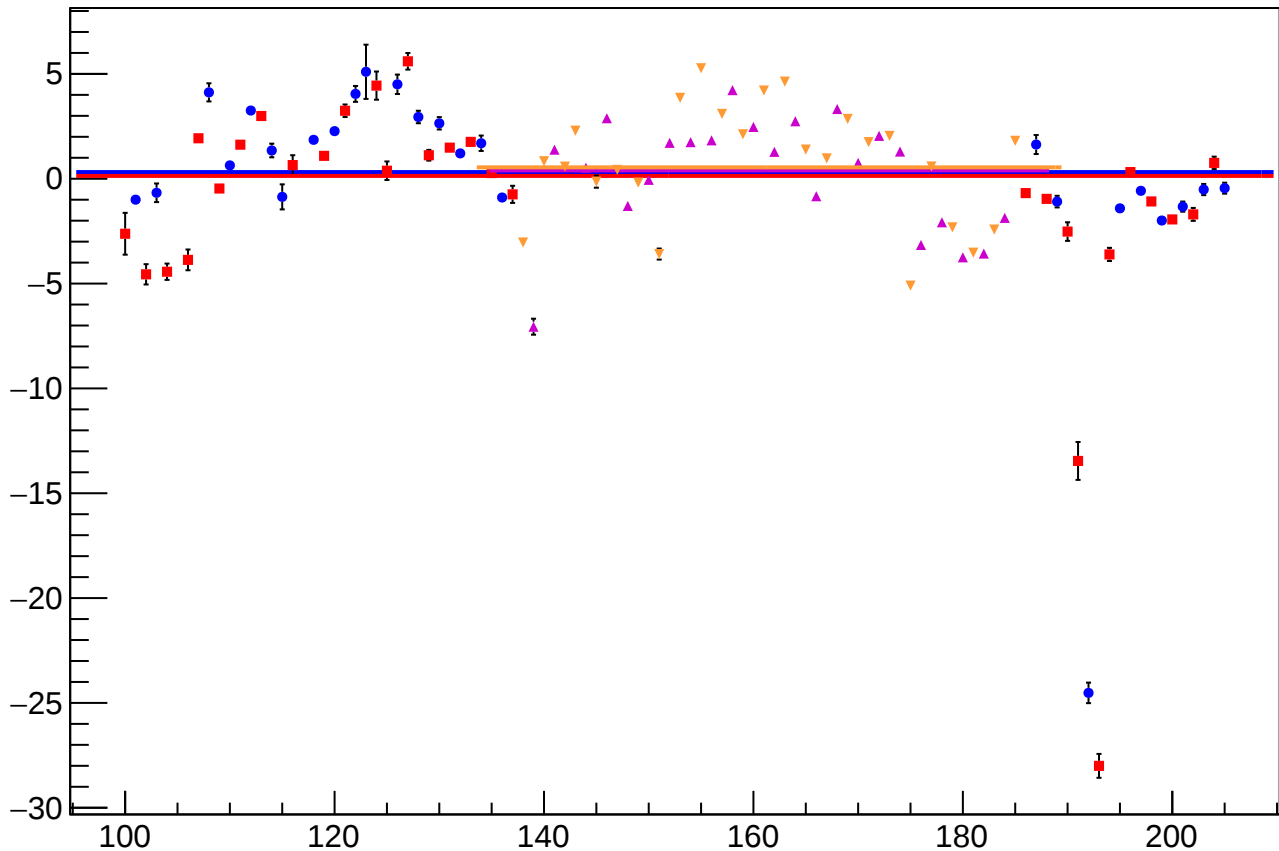
Left In: -17.038+/-0.038 χ^2/NDF : 44141.1/22

+ sign -12.047+/-0.034 χ^2/NDF : 214924.9/33

All: -11.531+/-0.024 χ^2/NDF : 381132.8/67

- sign -11.045+/-0.033 χ^2/NDF : 165758.3/33

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.318 ± 0.050 χ^2/NDF : 3821.5/25

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.134 ± 0.047 χ^2/NDF : 4250.6/29

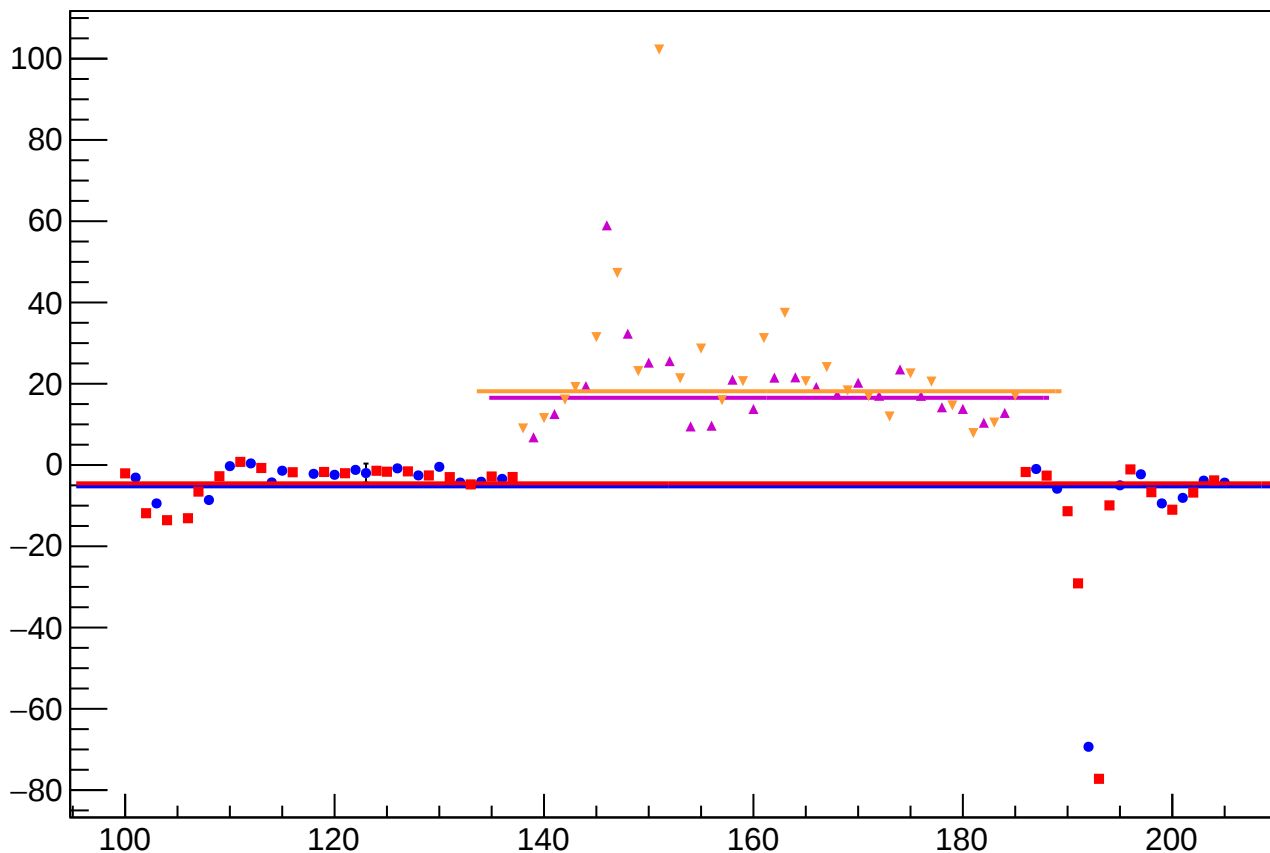
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.476 ± 0.027 χ^2/NDF : 10921.1/50

All: 0.393 ± 0.019 χ^2/NDF : 21447.1/103

- sign 0.318 ± 0.026 χ^2/NDF : 10508.1/52

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.253 $\pm$ 0.054 χ^2 /NDF: 26654.4/25

Left Out: 18.150 $\pm$ 0.039 χ^2 /NDF: 77847.8/24

Right Out: -4.508 $\pm$ 0.048 χ^2 /NDF: 27651.1/29

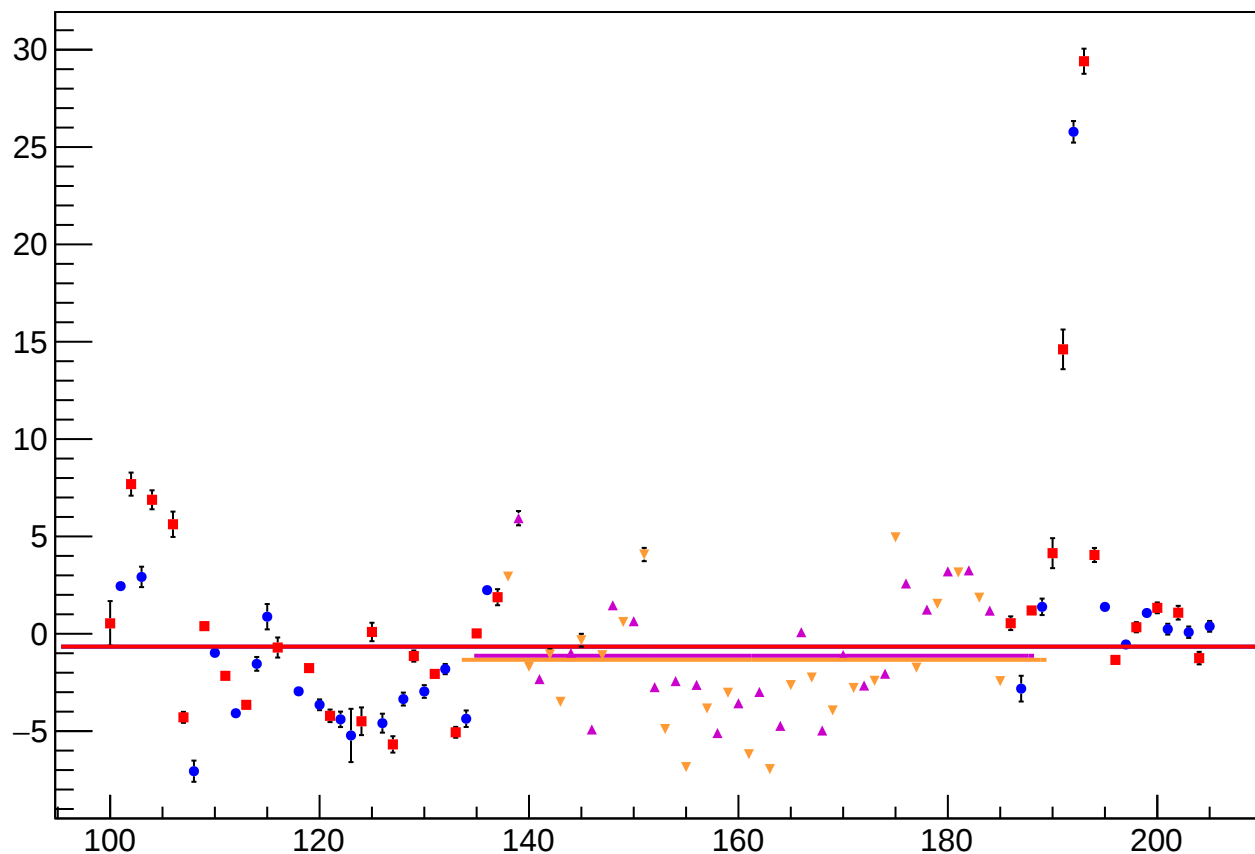
Left In: 16.543 $\pm$ 0.038 χ^2 /NDF: 40855.0/22

+ sign 10.135 $\pm$ 0.032 χ^2 /NDF: 227225.4/50

All: 9.289 $\pm$ 0.022 χ^2 /NDF: 415156.6/103

- sign 8.545 $\pm$ 0.030 χ^2 /NDF: 186592.6/52

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.662 ± 0.058 χ^2/NDF : 3912.4/25

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.658 ± 0.055 χ^2/NDF : 4469.9/29

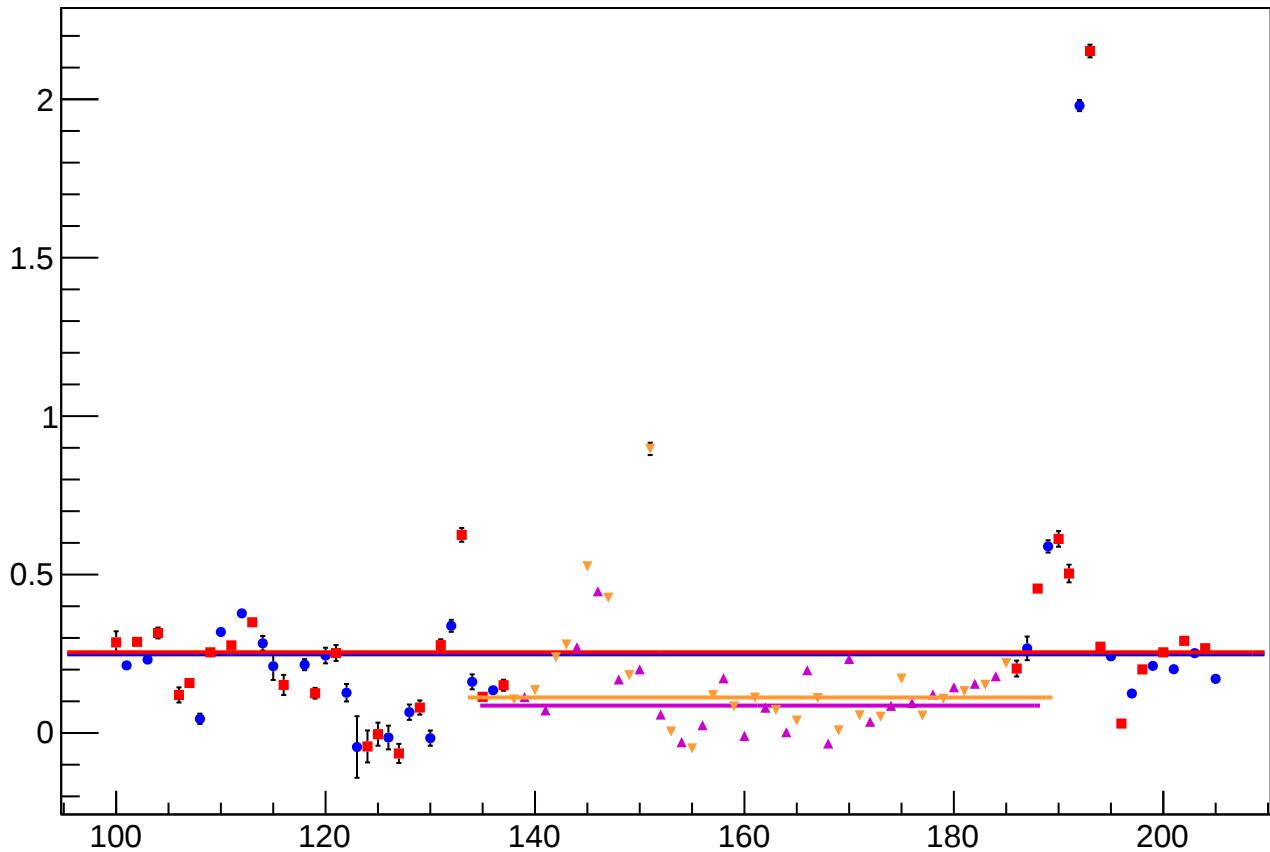
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.150 ± 0.031 χ^2/NDF : 11953.7/50

All: -1.070 ± 0.021 χ^2/NDF : 23230.0/103

- sign -0.998 ± 0.029 χ^2/NDF : 11263.3/52

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.248 ± 0.003 χ^2/NDF : 11205.9/25

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.255 ± 0.002 χ^2/NDF : 11594.9/29

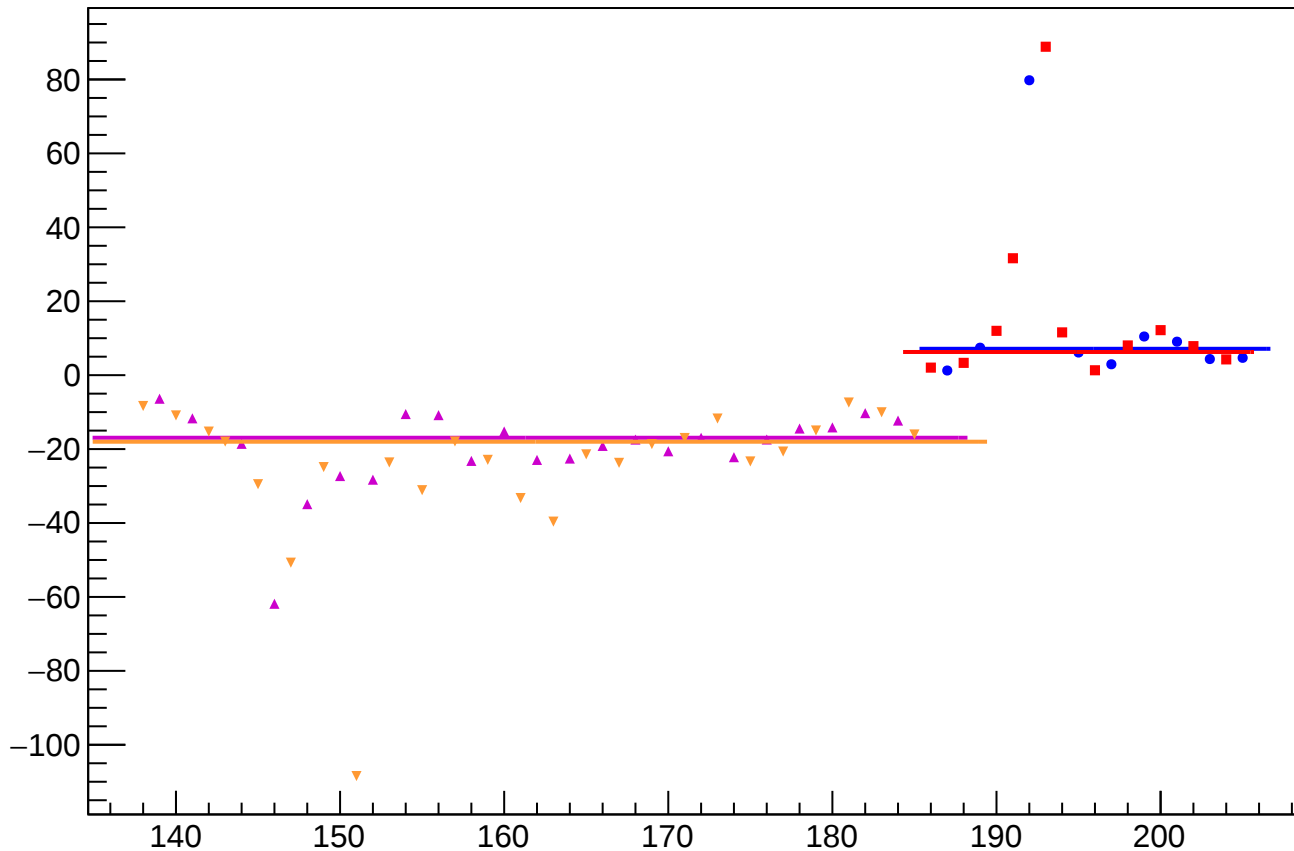
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.150 ± 0.001 χ^2/NDF : 17718.5/50

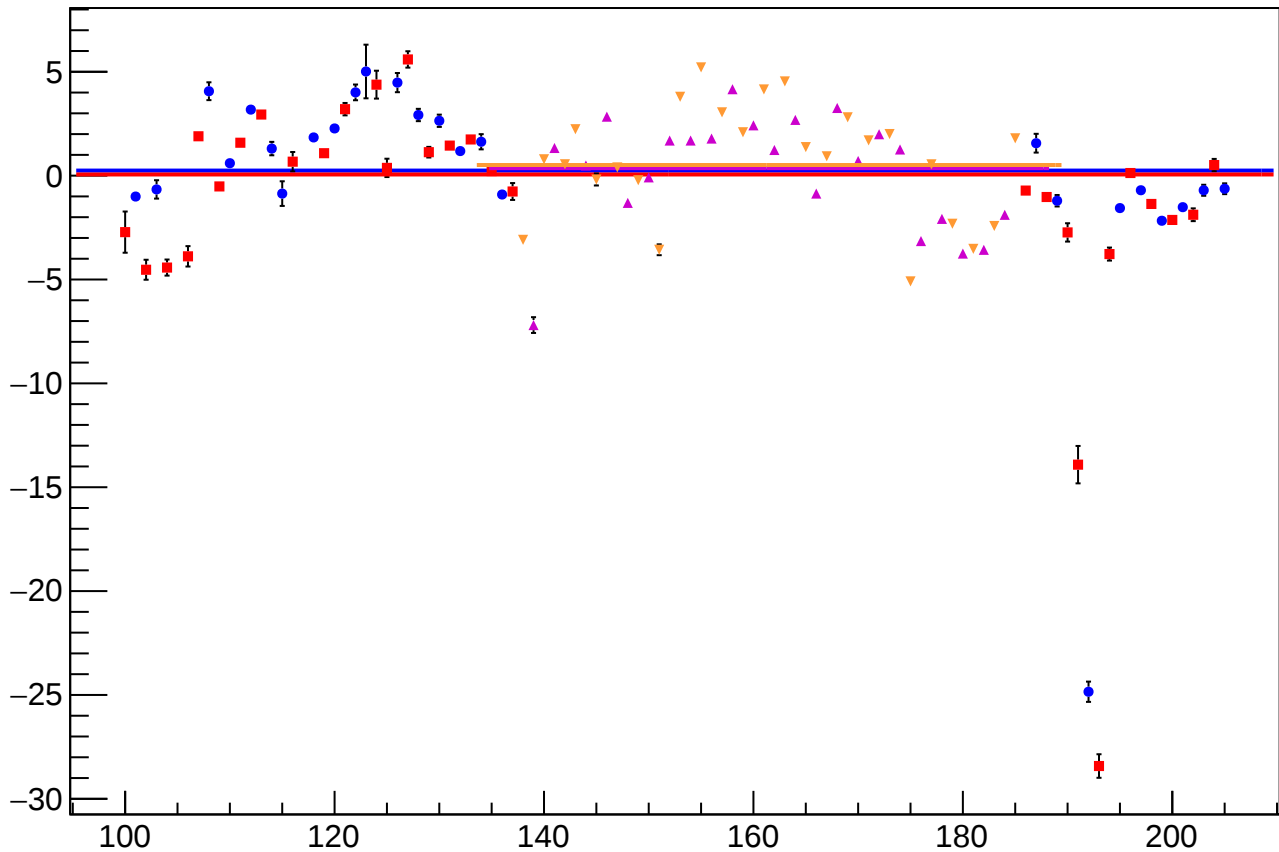
All: 0.140 ± 0.001 χ^2/NDF : 36399.4/103

- sign 0.131 ± 0.001 χ^2/NDF : 18578.9/52

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.244 ± 0.050 $\chi^2/\text{NDF}: 3957.6/25$

Left Out: 0.511 ± 0.032 $\chi^2/\text{NDF}: 7070.4/24$

Right Out: 0.056 ± 0.047 $\chi^2/\text{NDF}: 4414.2/29$

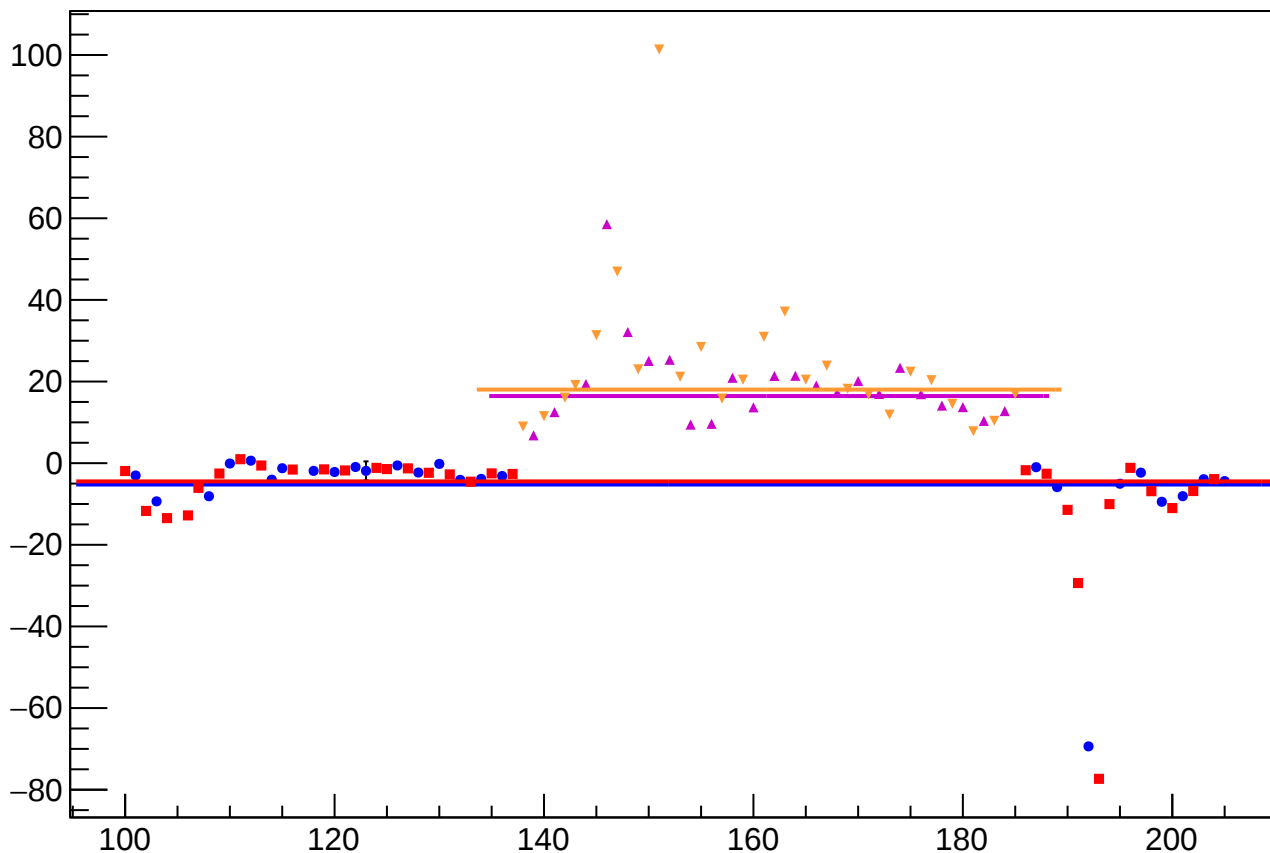
Left In: 0.360 ± 0.031 $\chi^2/\text{NDF}: 6221.1/22$

+ sign 0.432 ± 0.027 $\chi^2/\text{NDF}: 11048.4/50$

All: 0.346 ± 0.019 $\chi^2/\text{NDF}: 21732.6/103$

- sign 0.269 ± 0.026 $\chi^2/\text{NDF}: 10664.8/52$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.228 ± 0.054 $\chi^2/\text{NDF}: 26971.5/25$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.466 ± 0.048 $\chi^2/\text{NDF}: 28117.6/29$

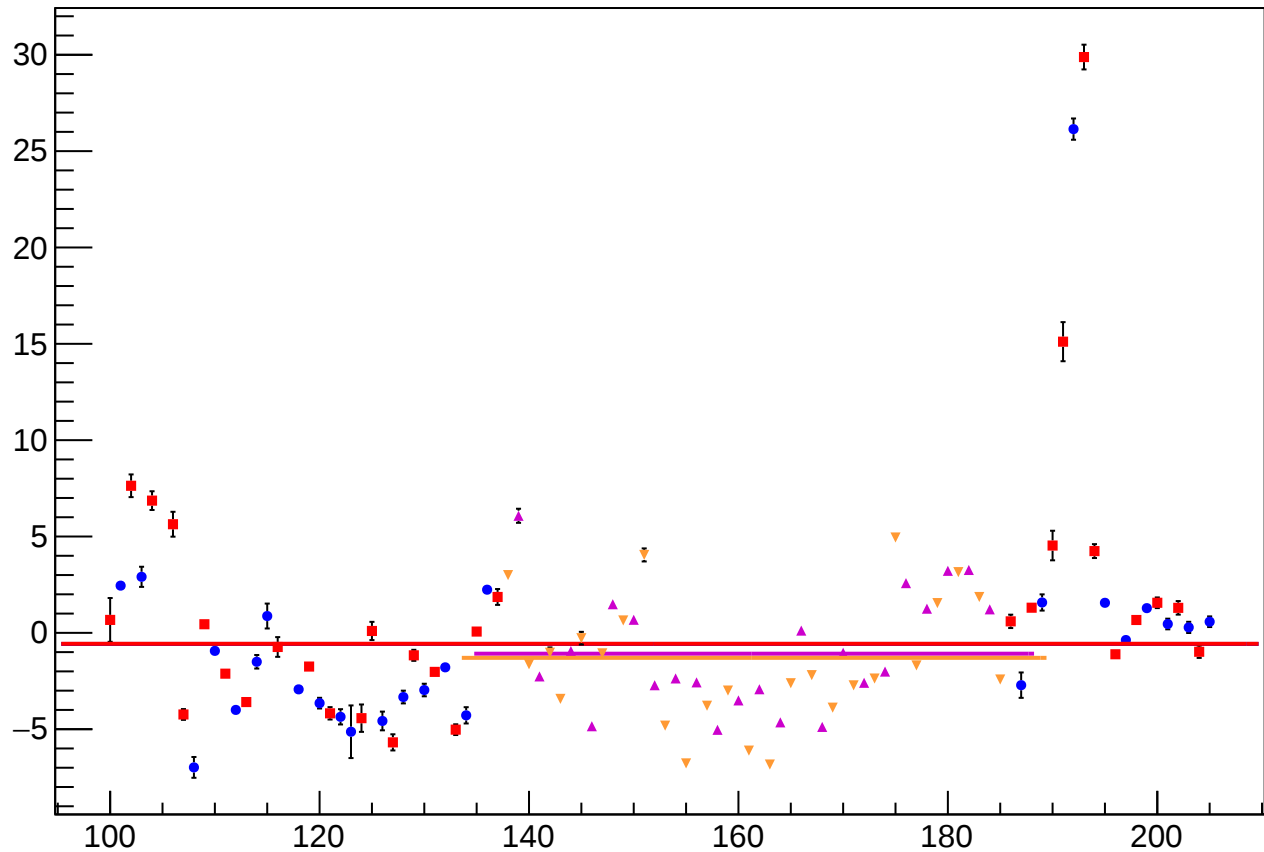
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 10.087 ± 0.032 $\chi^2/\text{NDF}: 227212.7/50$

All: 9.236 ± 0.022 $\chi^2/\text{NDF}: 415690.3/103$

- sign 8.489 ± 0.030 $\chi^2/\text{NDF}: 187107.7/52$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.576 ± 0.058 $\chi^2/\text{NDF}: 4024.3/25$

Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7925.1/24$

Right Out: -0.568 ± 0.055 $\chi^2/\text{NDF}: 4622.4/29$

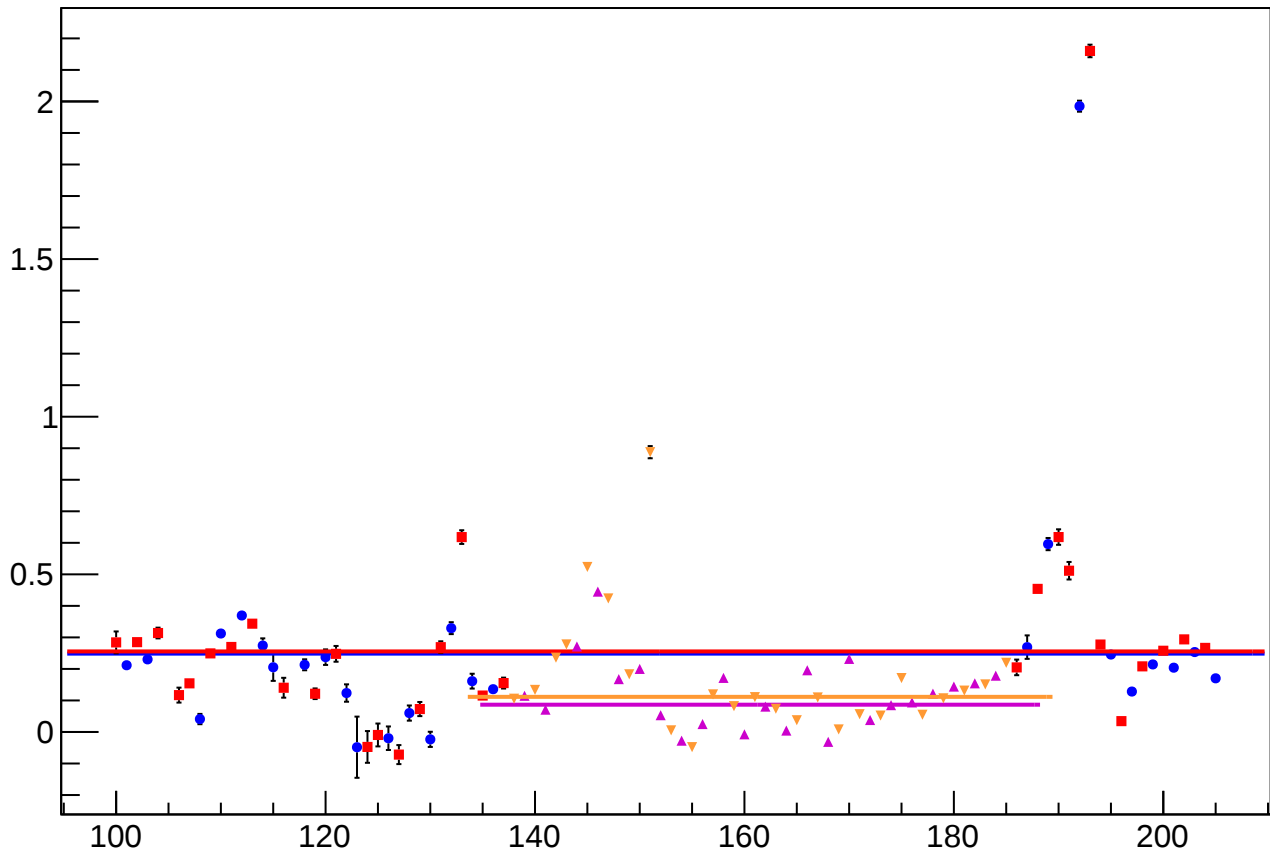
Left In: -1.082 ± 0.034 $\chi^2/\text{NDF}: 6724.1/22$

+ sign -1.097 ± 0.030 $\chi^2/\text{NDF}: 12062.6/50$

All: -1.014 ± 0.021 $\chi^2/\text{NDF}: 23487.5/103$

- sign -0.939 ± 0.029 $\chi^2/\text{NDF}: 11410.5/52$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.249 ± 0.003 χ^2/NDF : 11334.2/25

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.255 ± 0.002 χ^2/NDF : 11731.4/29

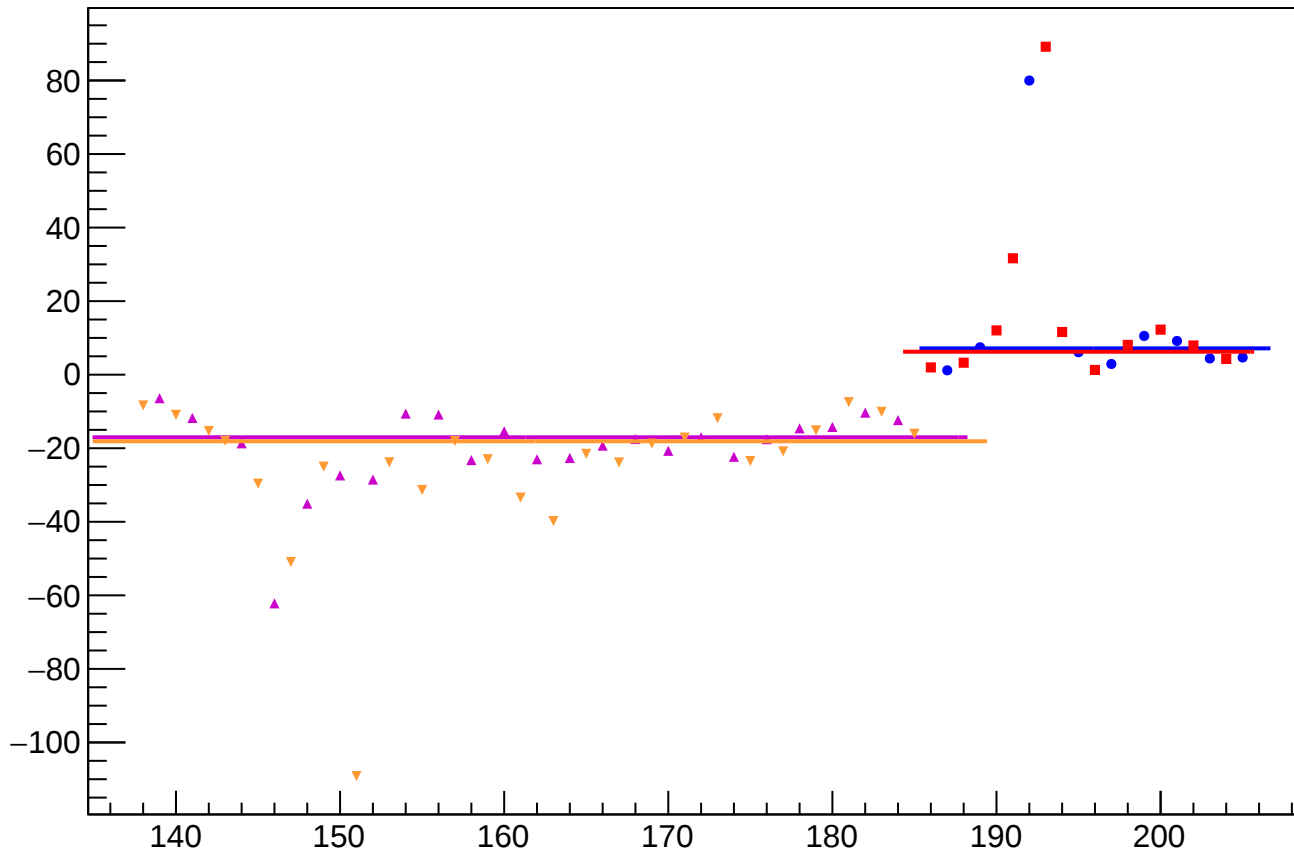
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.150 ± 0.001 χ^2/NDF : 17892.2/50

All: 0.140 ± 0.001 χ^2/NDF : 36740.8/103

- sign 0.131 ± 0.001 χ^2/NDF : 18752.2/52

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 7.159 ± 0.069 χ^2/NDF : 25273.5/8

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 6.244 ± 0.064 χ^2/NDF : 26129.2/10

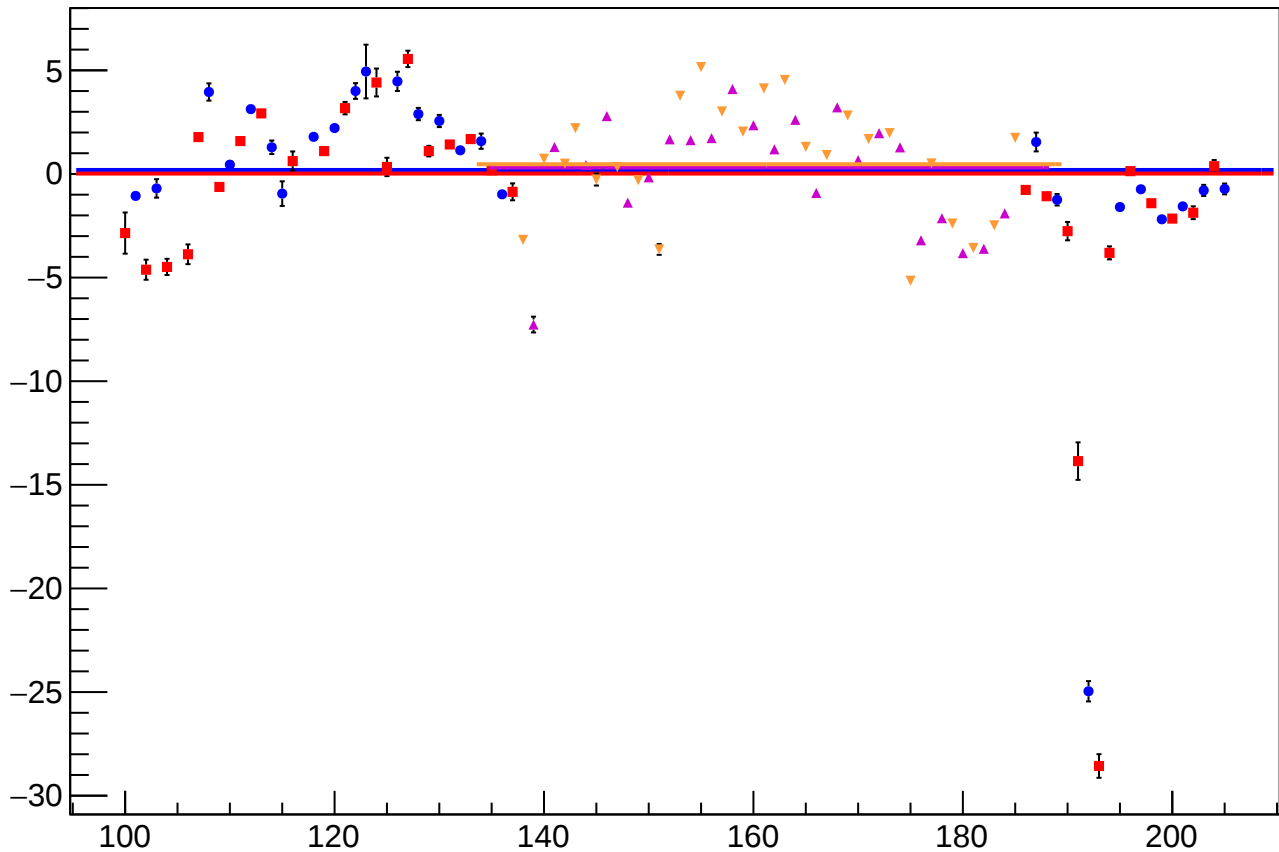
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -12.062 ± 0.034 χ^2/NDF : 215333.9/33

All: -11.520 ± 0.024 χ^2/NDF : 382709.5/67

- sign -11.013 ± 0.033 χ^2/NDF : 166879.1/33

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.192 ± 0.050 $\chi^2/\text{NDF}: 3943.8/25$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.019 ± 0.047 $\chi^2/\text{NDF}: 4406.9/29$

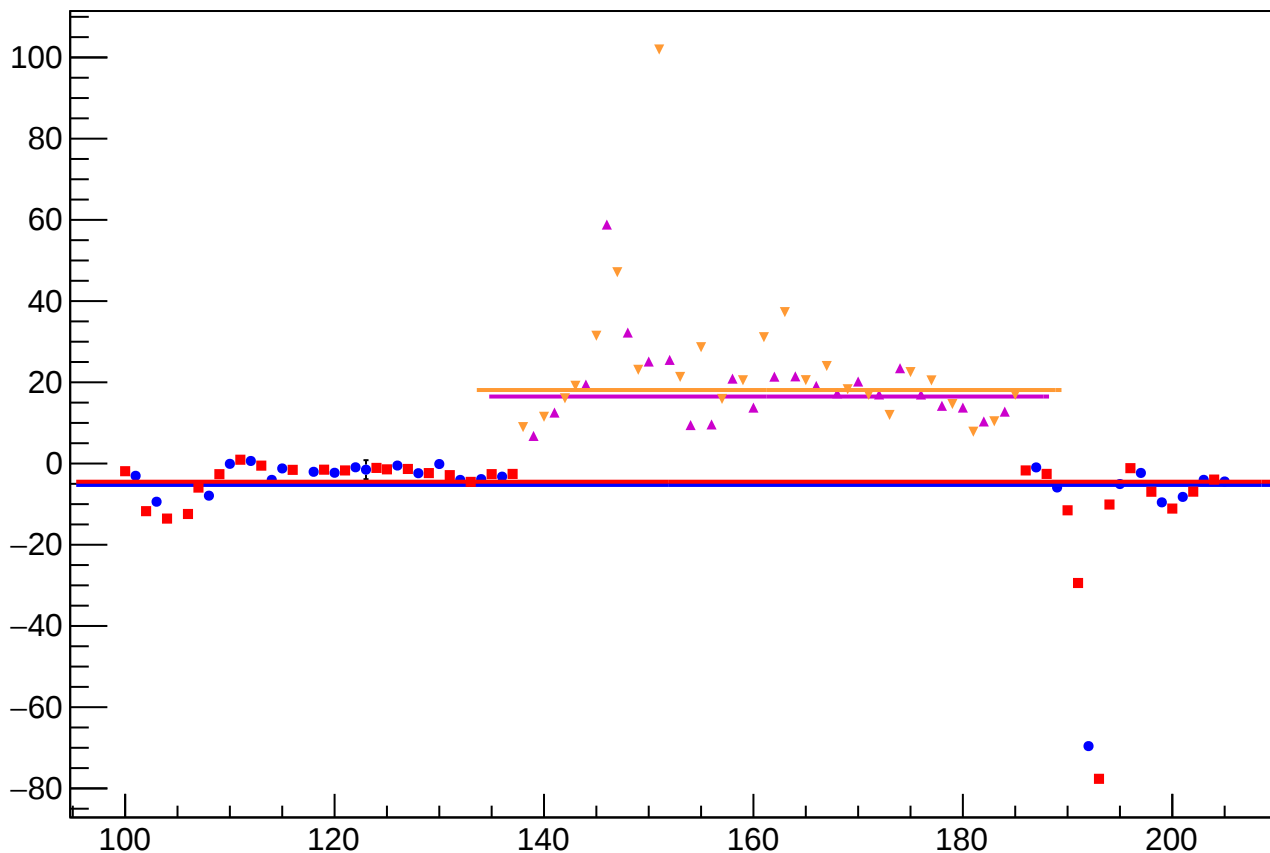
Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

+ sign 0.387 ± 0.027 $\chi^2/\text{NDF}: 11058.6/50$

All: 0.301 ± 0.019 $\chi^2/\text{NDF}: 21695.2/103$

- sign 0.223 ± 0.026 $\chi^2/\text{NDF}: 10617.3/52$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.267 ± 0.054 $\chi^2/\text{NDF}: 26969.1/25$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.476 ± 0.048 $\chi^2/\text{NDF}: 28134.9/29$

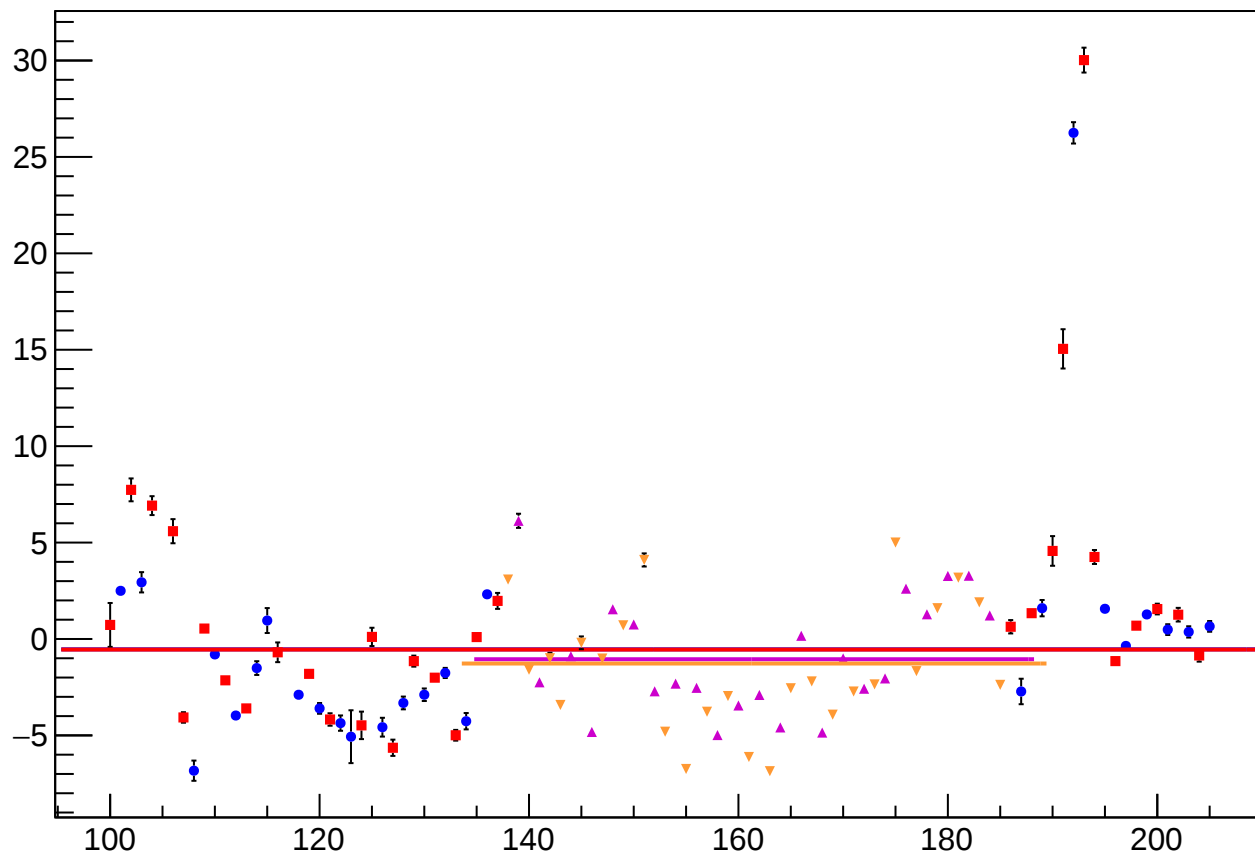
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 10.144 ± 0.032 $\chi^2/\text{NDF}: 227133.4/50$

All: 9.272 ± 0.022 $\chi^2/\text{NDF}: 415713.2/103$

- sign 8.508 ± 0.030 $\chi^2/\text{NDF}: 187156.3/52$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.537 ± 0.058 $\chi^2/\text{NDF}: 4015.1/25$

Left Out: -1.273 ± 0.036 $\chi^2/\text{NDF}: 7951.6/24$

Right Out: -0.549 ± 0.055 $\chi^2/\text{NDF}: 4619.0/29$

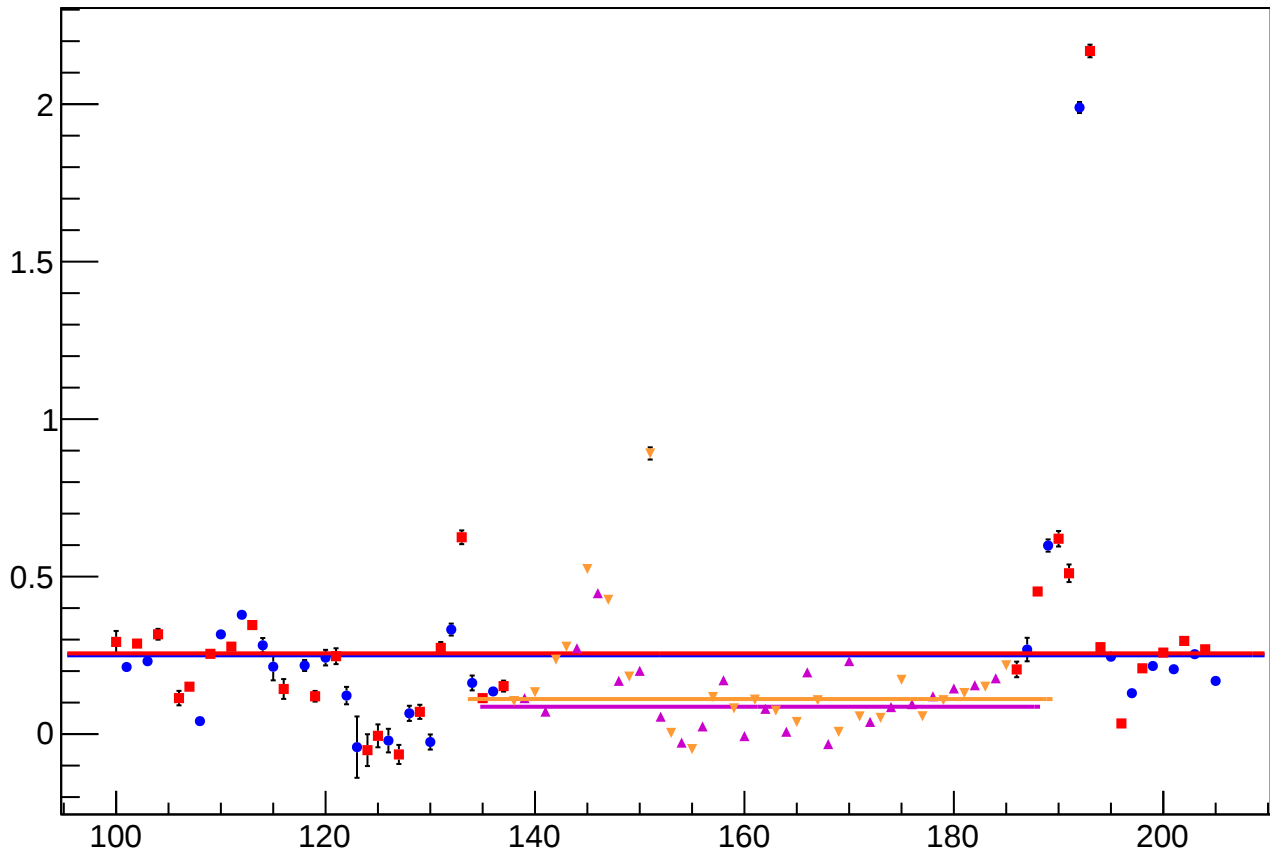
Left In: -1.050 ± 0.034 $\chi^2/\text{NDF}: 6673.4/22$

+ sign -1.069 ± 0.030 $\chi^2/\text{NDF}: 12083.4/50$

All: -0.986 ± 0.021 $\chi^2/\text{NDF}: 23450.6/103$

- sign -0.911 ± 0.029 $\chi^2/\text{NDF}: 11352.9/52$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.250 ± 0.003 $\chi^2/\text{NDF}: 11327.4/25$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.256 ± 0.002 $\chi^2/\text{NDF}: 11748.1/29$

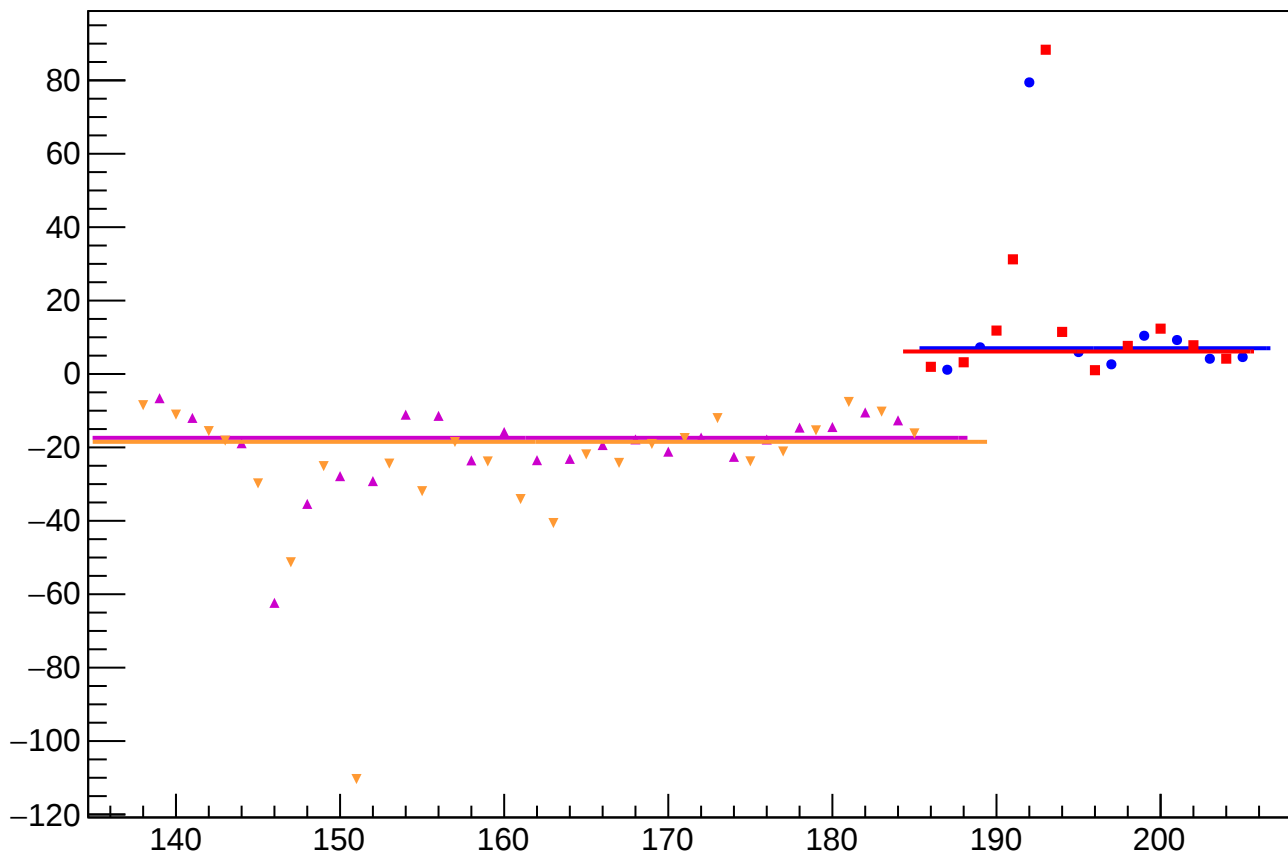
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.150 ± 0.001 $\chi^2/\text{NDF}: 17892.4/50$

All: 0.140 ± 0.001 $\chi^2/\text{NDF}: 36722.6/103$

- sign 0.132 ± 0.001 $\chi^2/\text{NDF}: 18737.3/52$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 7.020 ± 0.069 $\chi^2/\text{NDF}: 24941.4/8$

Left Out: -18.479 ± 0.040 $\chi^2/\text{NDF}: 87883.4/24$

Right Out: 6.130 ± 0.065 $\chi^2/\text{NDF}: 25660.4/10$

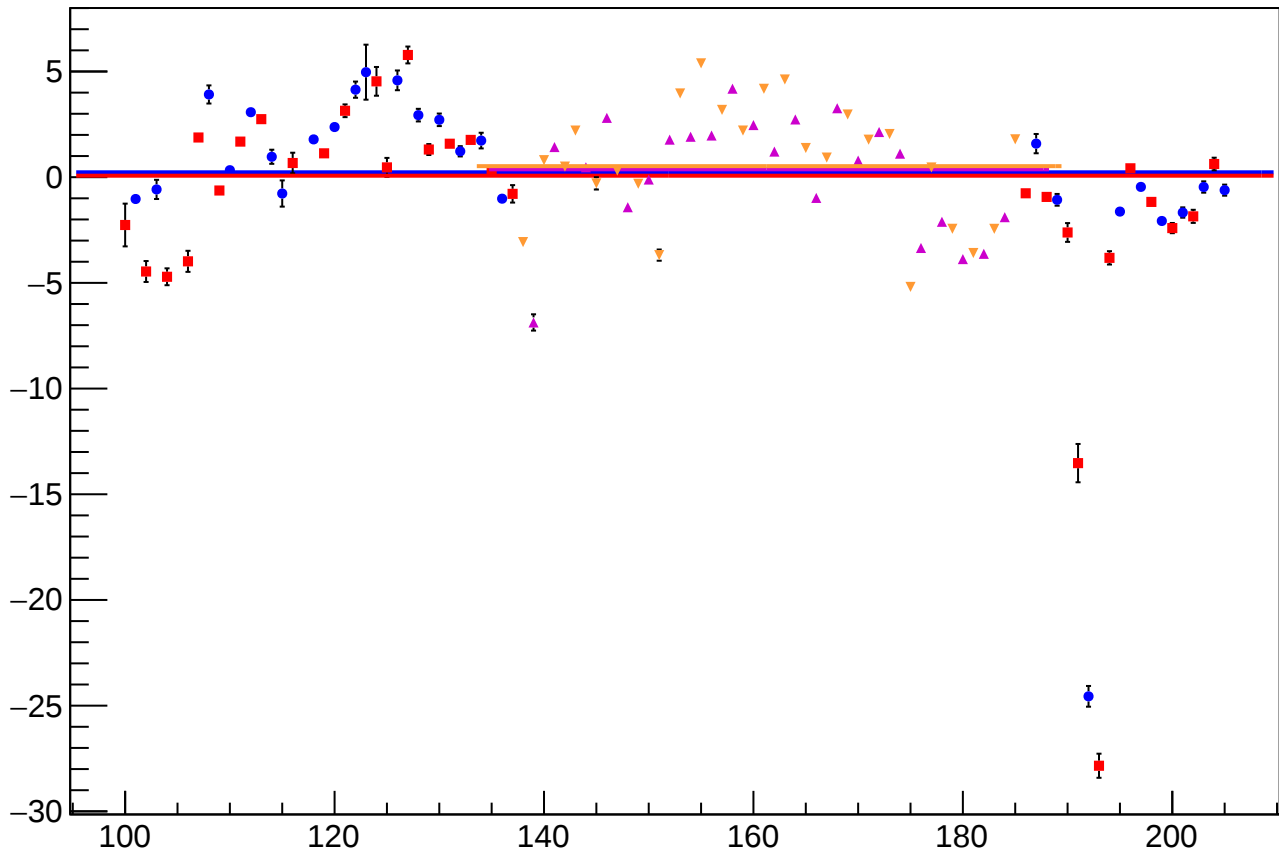
Left In: -17.393 ± 0.039 $\chi^2/\text{NDF}: 43178.9/22$

+ sign -12.202 ± 0.034 $\chi^2/\text{NDF}: 214384.1/33$

All: -11.650 ± 0.024 $\chi^2/\text{NDF}: 380738.1/67$

- sign -11.133 ± 0.033 $\chi^2/\text{NDF}: 165857.8/33$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.231 ± 0.051 χ^2/NDF : 3811.7/25

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.070 ± 0.048 χ^2/NDF : 4246.8/29

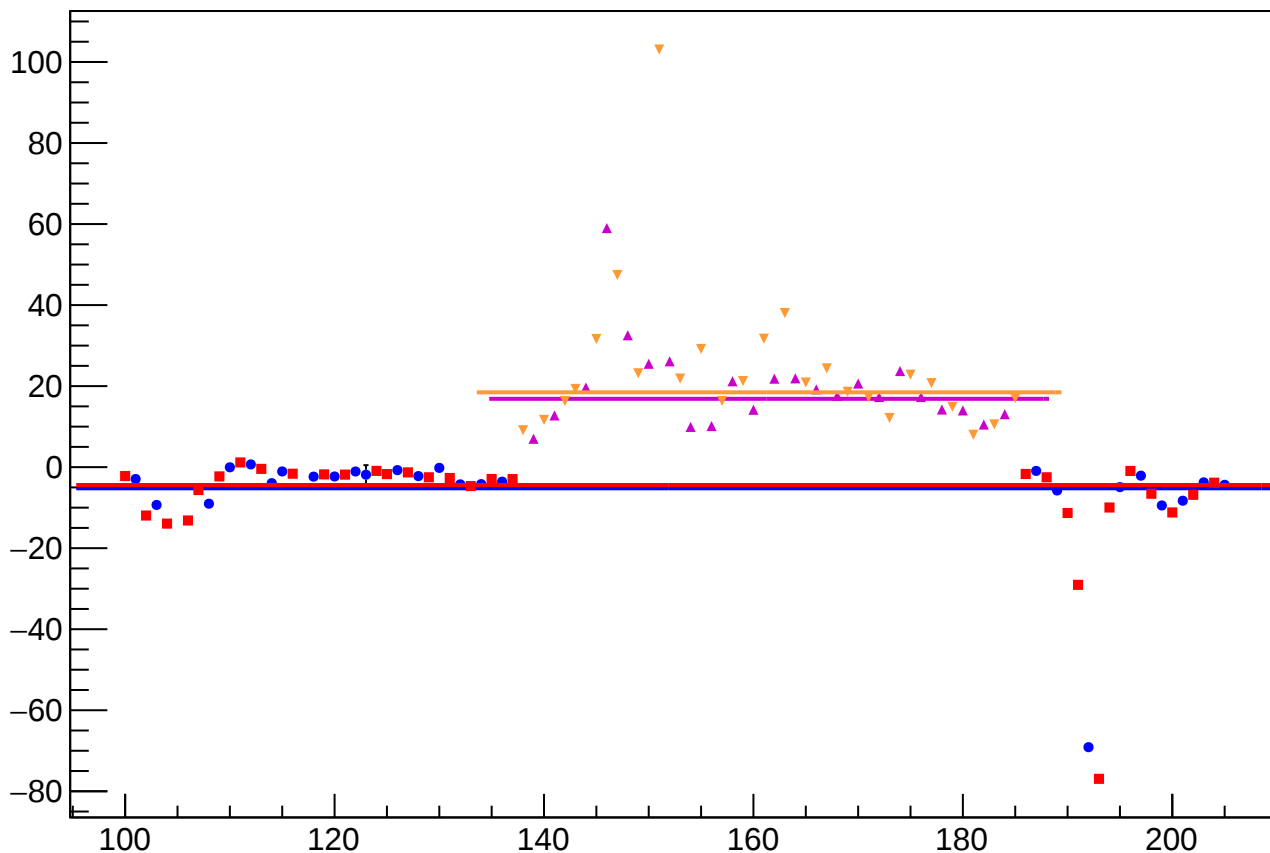
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.435 ± 0.028 χ^2/NDF : 10890.0/50

All: 0.353 ± 0.019 χ^2/NDF : 21398.7/103

- sign 0.280 ± 0.026 χ^2/NDF : 10492.2/52

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.218 ± 0.055 $\chi^2/\text{NDF}: 26524.1/25$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -4.408 ± 0.048 $\chi^2/\text{NDF}: 27639.2/29$

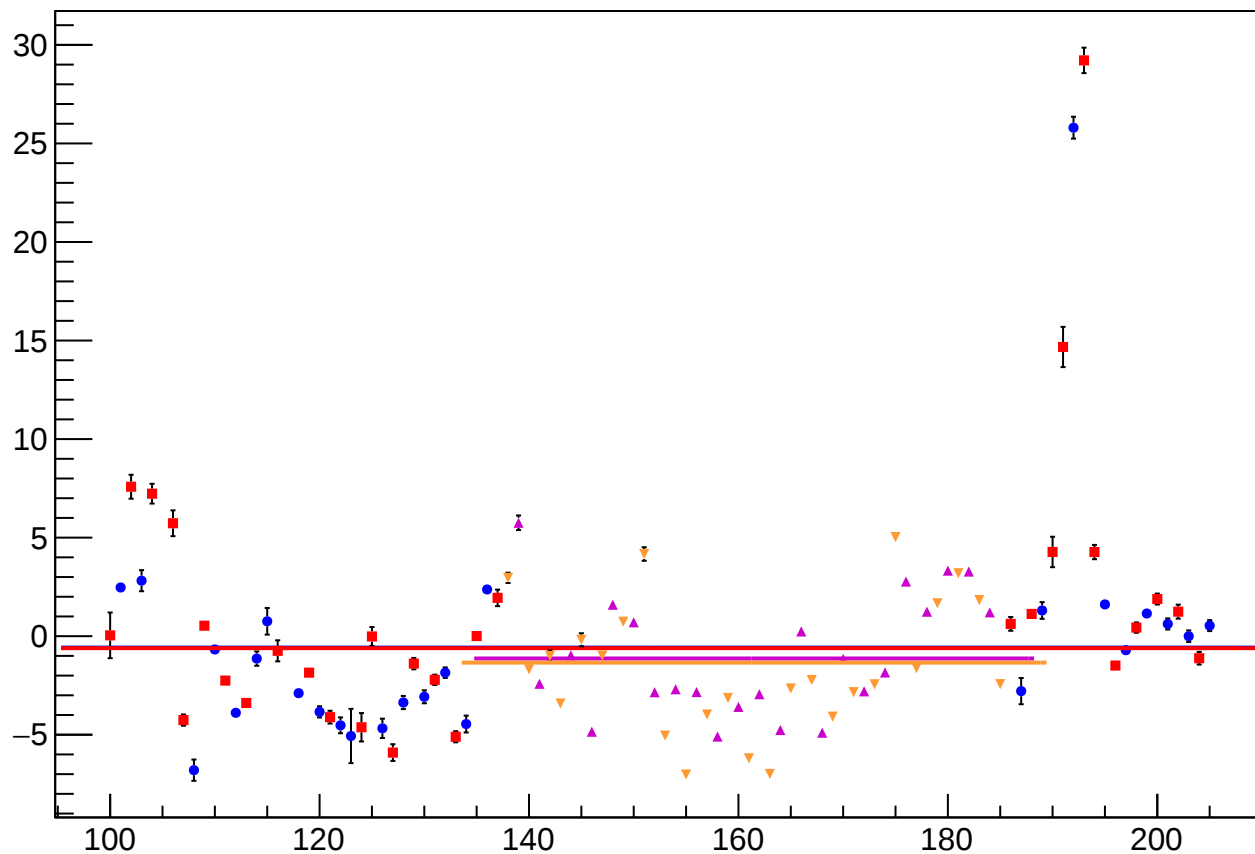
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 10.242 ± 0.032 $\chi^2/\text{NDF}: 226208.1/50$

All: 9.367 ± 0.022 $\chi^2/\text{NDF}: 413263.8/103$

- sign 8.600 ± 0.030 $\chi^2/\text{NDF}: 185670.5/52$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.580 ± 0.059 χ^2/NDF : 3898.9/25

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.610 ± 0.056 χ^2/NDF : 4464.0/29

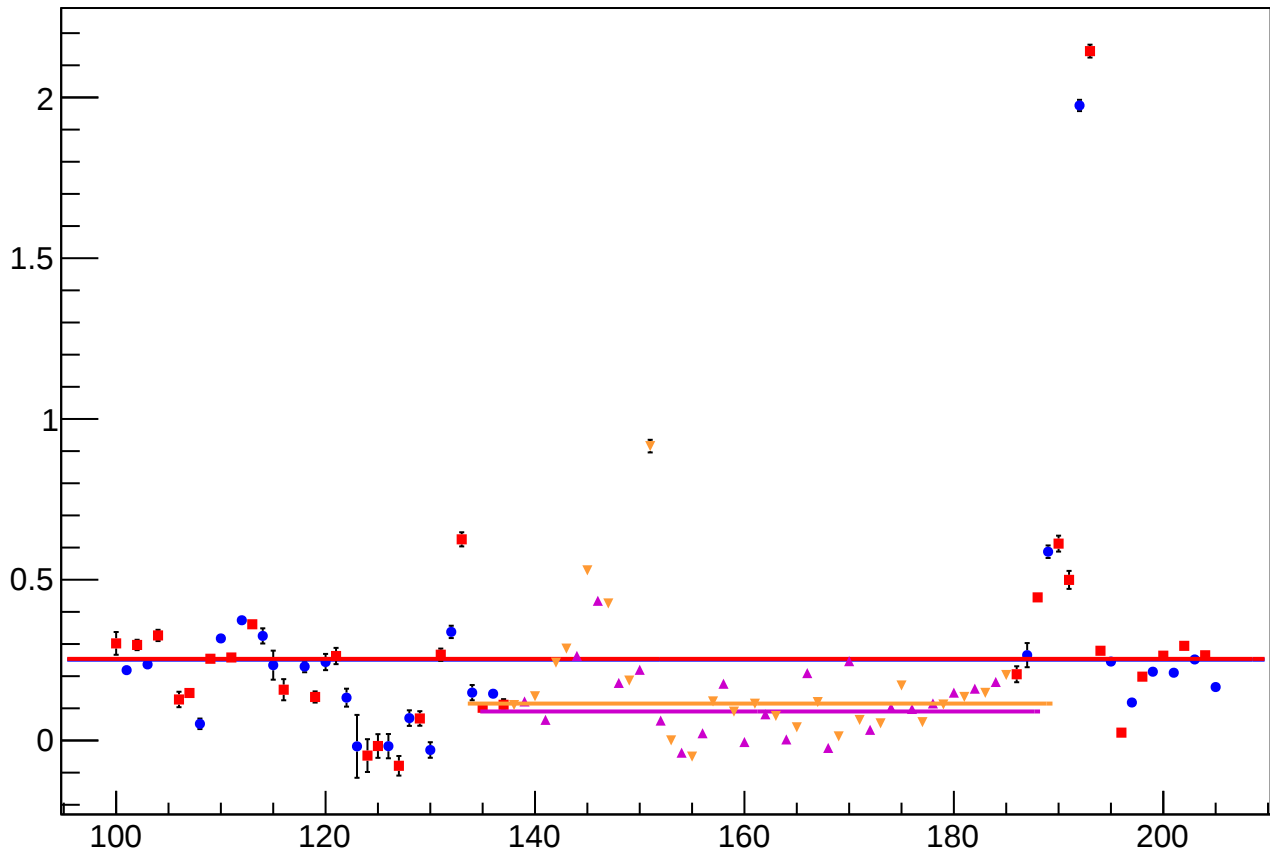
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.127 ± 0.031 χ^2/NDF : 11927.0/50

All: -1.052 ± 0.021 χ^2/NDF : 23173.9/103

- sign -0.985 ± 0.030 χ^2/NDF : 11235.8/52

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.251 $\pm$ 0.003 χ^2 /NDF: 11070.8/25

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF: 4431.9/24

Right Out: 0.254 $\pm$ 0.003 χ^2 /NDF: 11600.5/29

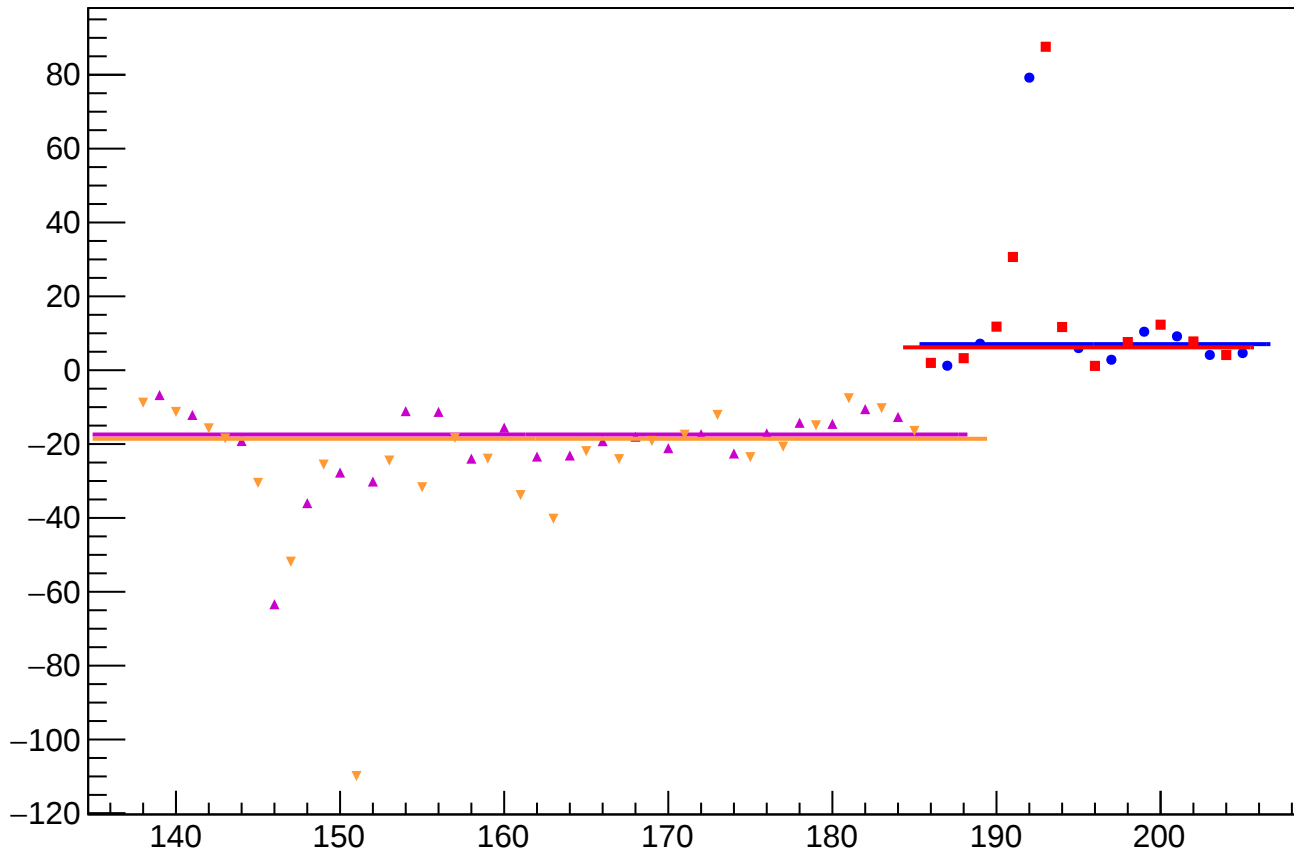
Left In: 0.090 $\pm$ 0.002 χ^2 /NDF: 3676.5/22

+ sign 0.153 $\pm$ 0.001 χ^2 /NDF: 17472.8/50

All: 0.143 $\pm$ 0.001 χ^2 /NDF: 35913.0/103

- sign 0.134 $\pm$ 0.001 χ^2 /NDF: 18341.8/52

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 7.060 ± 0.070 $\chi^2/\text{NDF}: 24451.8/8$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 6.188 ± 0.066 $\chi^2/\text{NDF}: 25004.5/10$

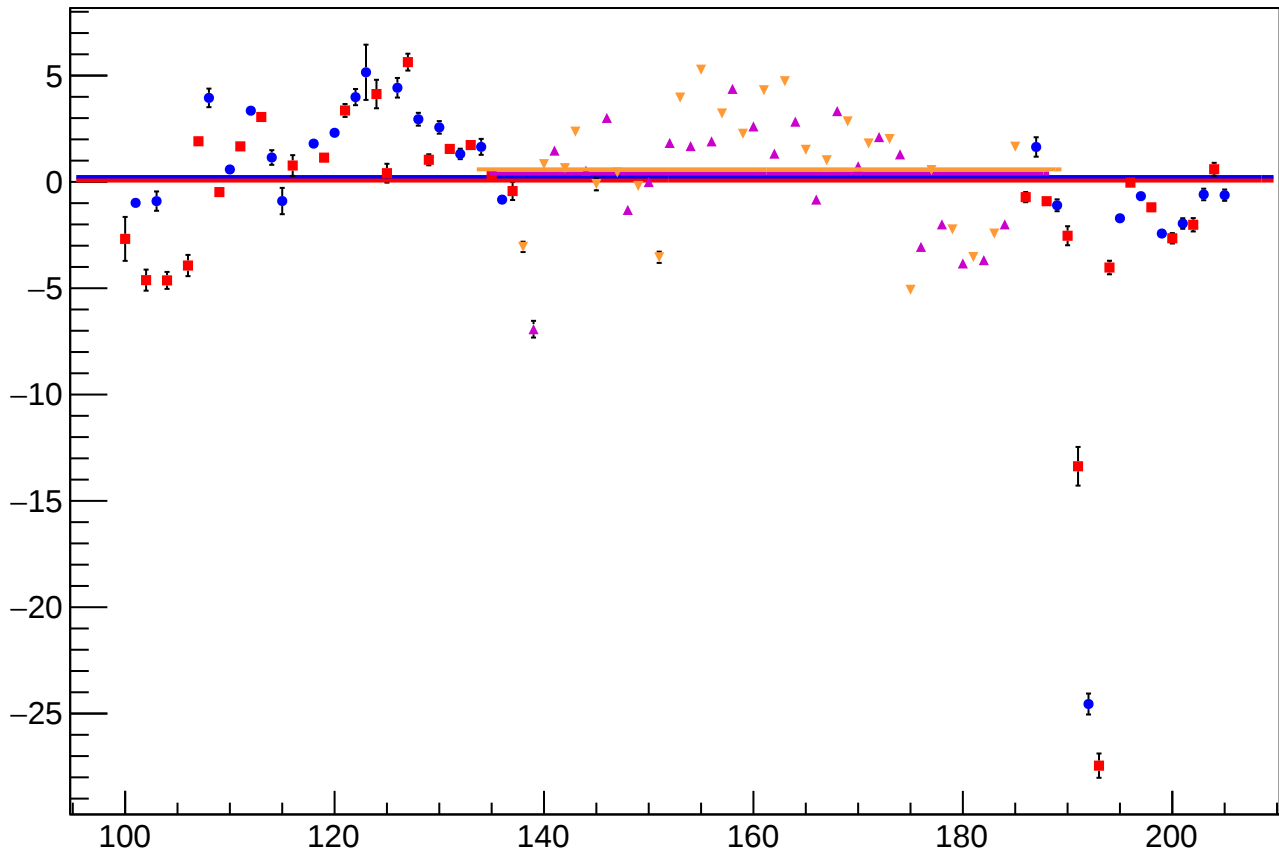
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -12.273 ± 0.035 $\chi^2/\text{NDF}: 211151.7/33$

All: -11.702 ± 0.024 $\chi^2/\text{NDF}: 375626.5/67$

- sign -11.168 ± 0.034 $\chi^2/\text{NDF}: 163954.7/33$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.228 ± 0.051 χ^2/NDF : 3857.1/25

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.064 ± 0.048 χ^2/NDF : 4204.5/29

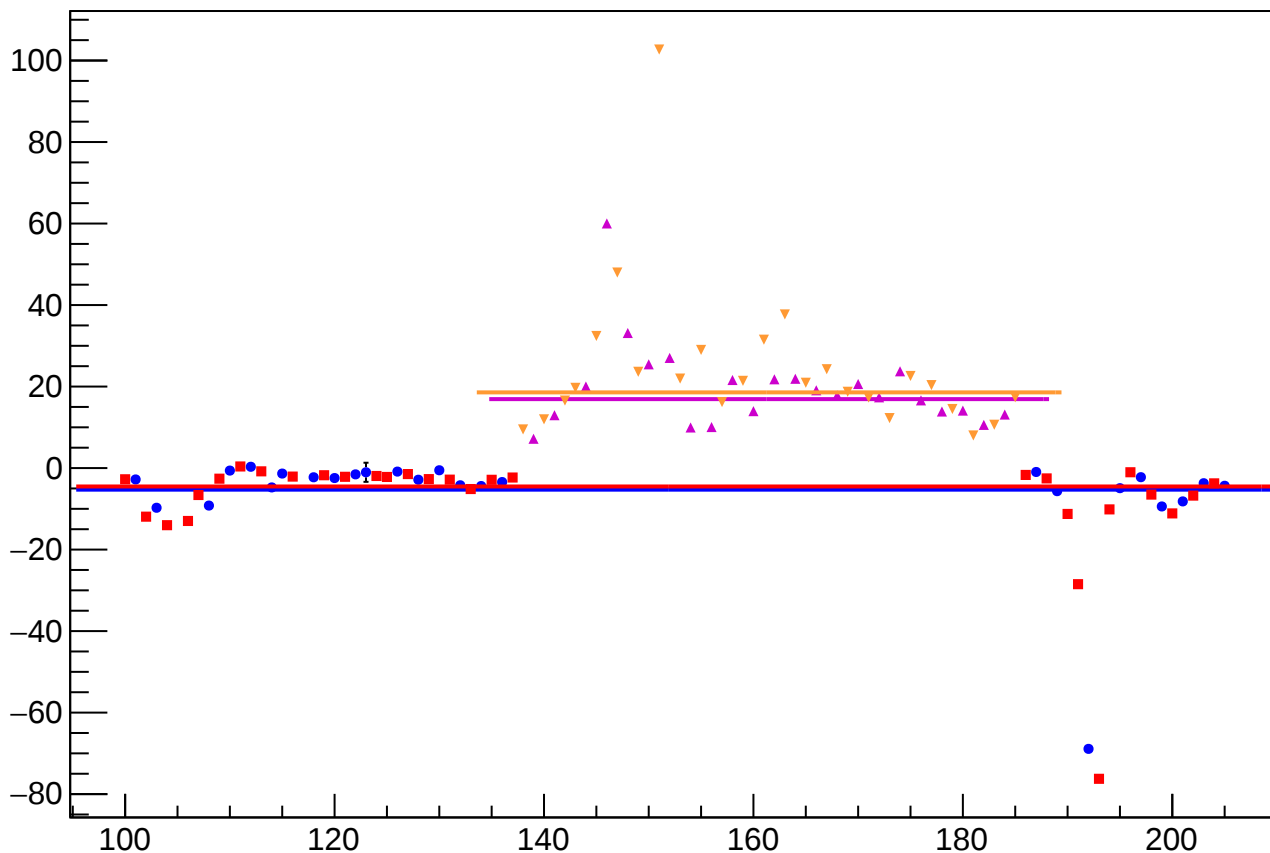
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.482 ± 0.028 χ^2/NDF : 10689.0/50

All: 0.384 ± 0.019 χ^2/NDF : 21010.0/103

- sign 0.294 ± 0.026 χ^2/NDF : 10297.1/52

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.293+/-0.055 χ^2/NDF : 25834.9/25

Left Out: 18.573+/-0.040 χ^2/NDF : 76029.9/24

Right Out: -4.516+/-0.049 χ^2/NDF : 26744.8/29

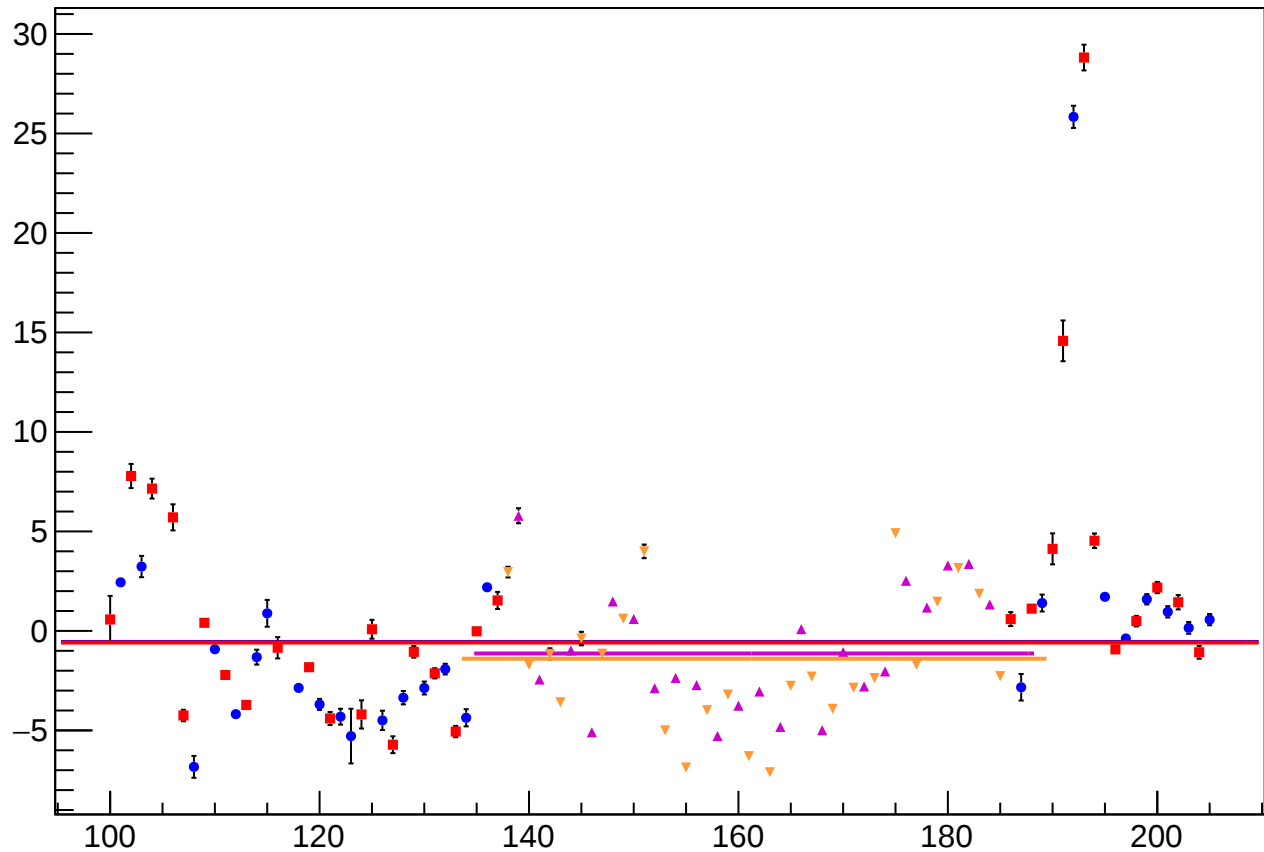
Left In: 16.919+/-0.039 χ^2/NDF : 40154.5/22

+ sign 10.317+/-0.033 χ^2/NDF : 223425.4/50

All: 9.428+/-0.022 χ^2/NDF : 408822.5/103

- sign 8.649+/-0.030 χ^2/NDF : 183998.7/52

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.555 ± 0.059 χ^2/NDF : 3898.7/25

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.584 ± 0.056 χ^2/NDF : 4405.3/29

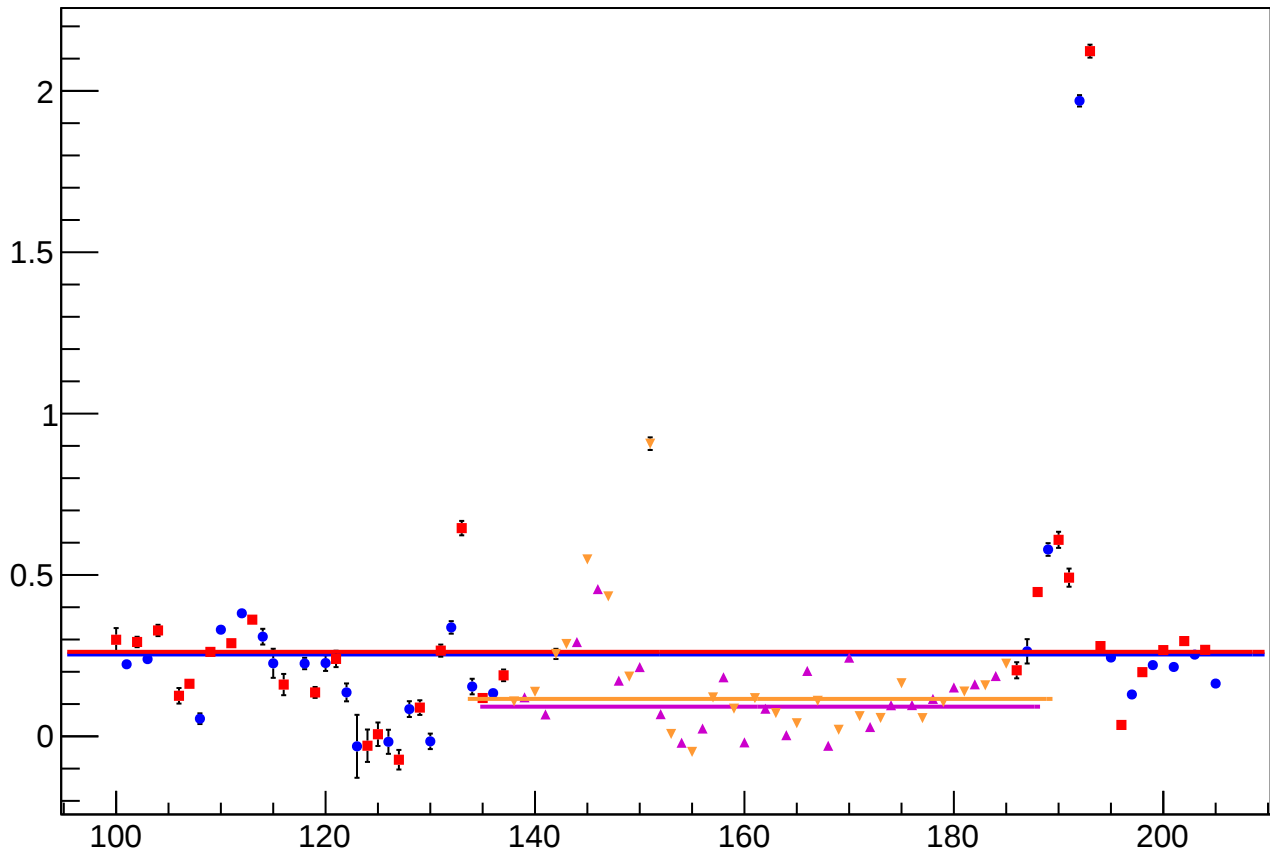
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.161 ± 0.031 χ^2/NDF : 11695.2/50

All: -1.066 ± 0.022 χ^2/NDF : 22784.3/103

- sign -0.980 ± 0.030 χ^2/NDF : 11071.5/52

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.254 ± 0.003 $\chi^2/\text{NDF}: 10830.9/25$

Left Out: 0.116 ± 0.002 $\chi^2/\text{NDF}: 4463.0/24$

Right Out: 0.262 ± 0.003 $\chi^2/\text{NDF}: 11072.1/29$

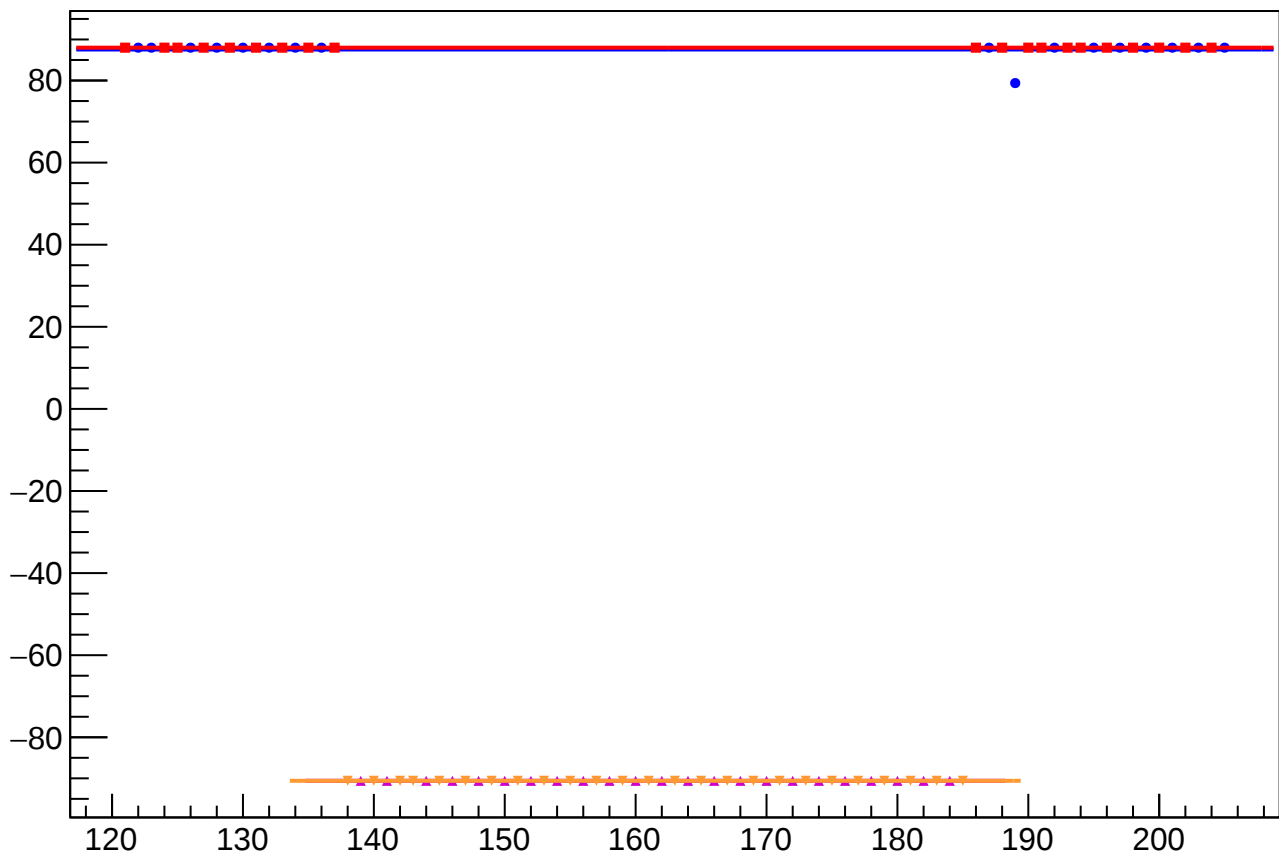
Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3631.4/22$

+ sign 0.155 ± 0.001 $\chi^2/\text{NDF}: 17249.6/50$

All: 0.146 ± 0.001 $\chi^2/\text{NDF}: 35246.6/103$

- sign 0.137 ± 0.001 $\chi^2/\text{NDF}: 17917.1/52$

VWienAngle_mean vs Slug



Right In: 87.558+/-0.000 χ^2/NDF : 3601171224535367171232738349940736.0/16

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 1088501.8/19

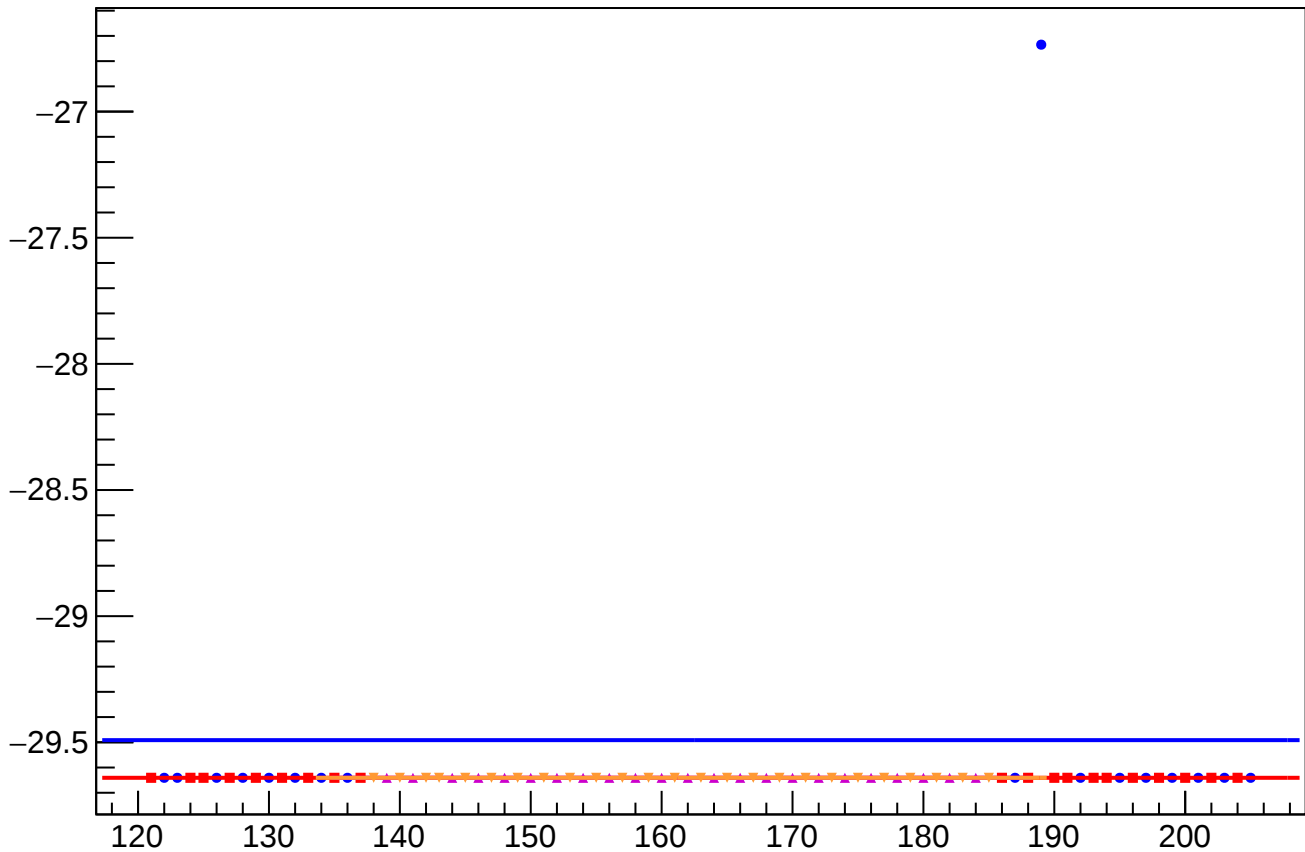
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -29.659+/-0.000 χ^2/NDF : 207403586582680

All: -27.312+/-0.000 χ^2/NDF : 420116761698

- sign -24.934+/-0.000 χ^2/NDF : 2123912969786311

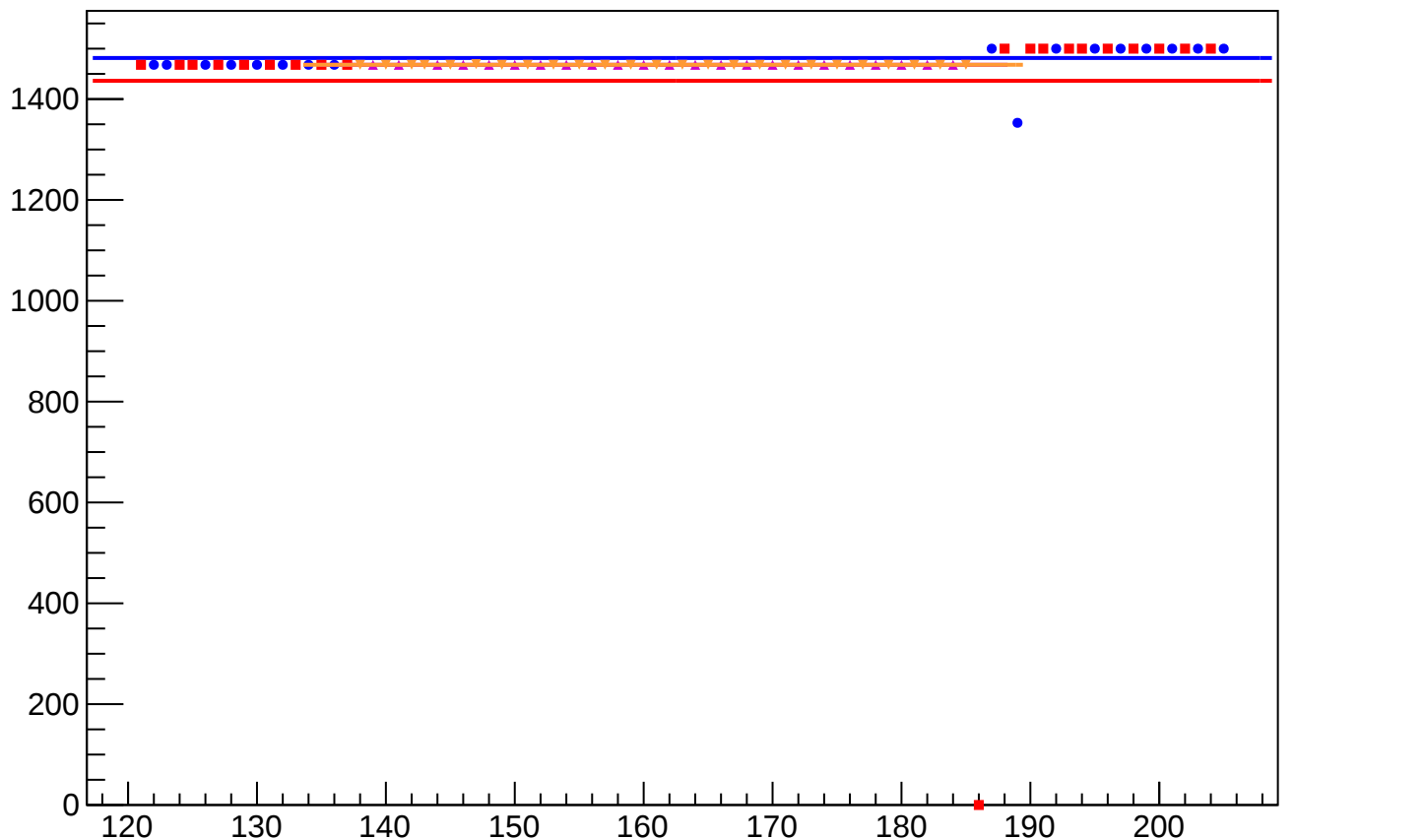
HWienAngle_mean vs Slug



Right In: -29.491+/-0.000 χ^2/NDF : 408553081078920346055880990523392.0/16
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24
Right Out: -29.641+/-0.000 χ^2/NDF : 1413058.1/19
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22

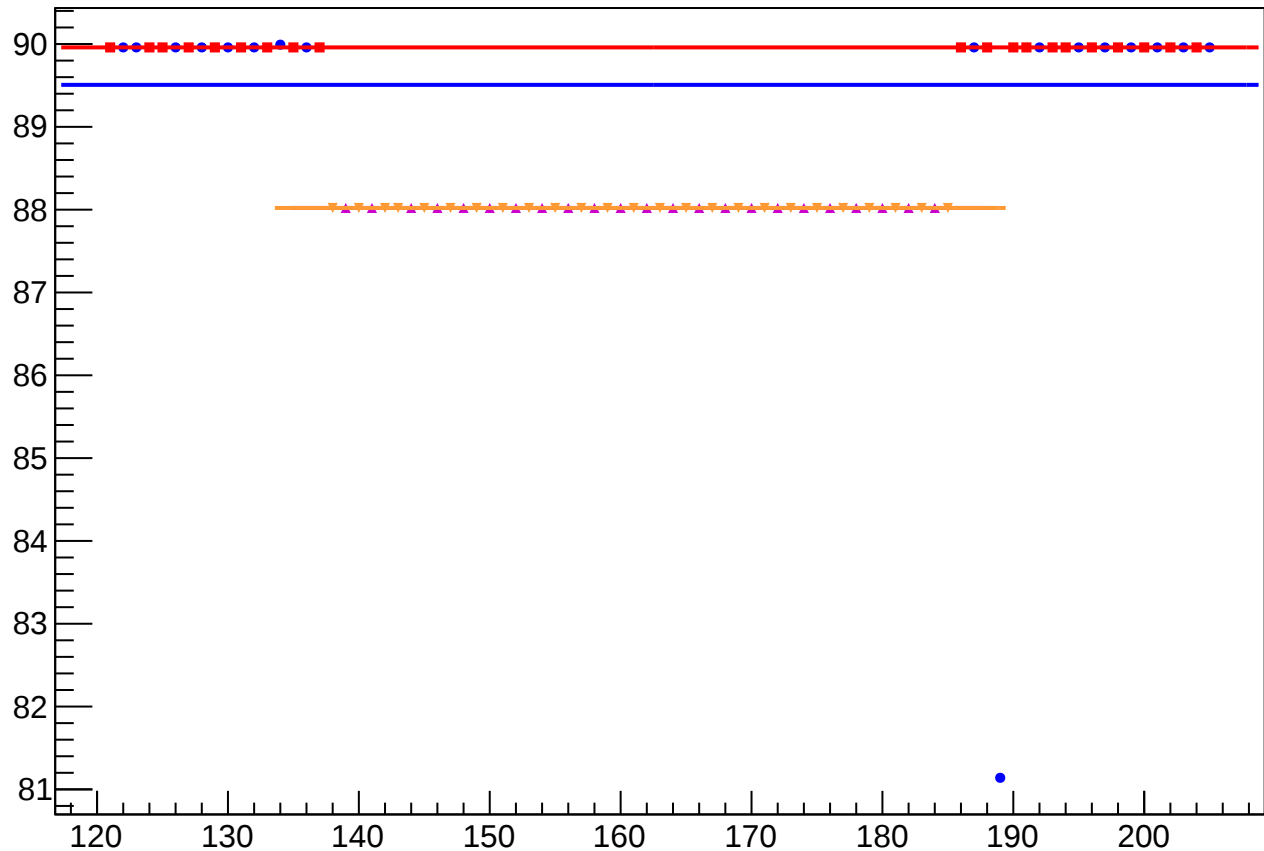
+ sign -29.590+/-0.000 χ^2/NDF : 423106133535778
All: -29.615+/-0.000 χ^2/NDF : 426863582048
- sign -29.641+/-0.000 χ^2/NDF : 2360751.5/42

psub_pl_pos_mean vs Slug



Right In: 1481.516+/-0.000 χ^2/NDF : 1111252183257667240430449948440395776.0/16
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24
 Right Out: 1436.230+/-0.000 χ^2/NDF : 81541828037543835330648308709226184704.0/19
 Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

Phi_FG_mean vs Slug



Right In: 89.507 $\pm$ 0.000 χ^2 /NDF: 3763905714374076937825389702545408.0/16

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5326388.8/24

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 3563581.3/19

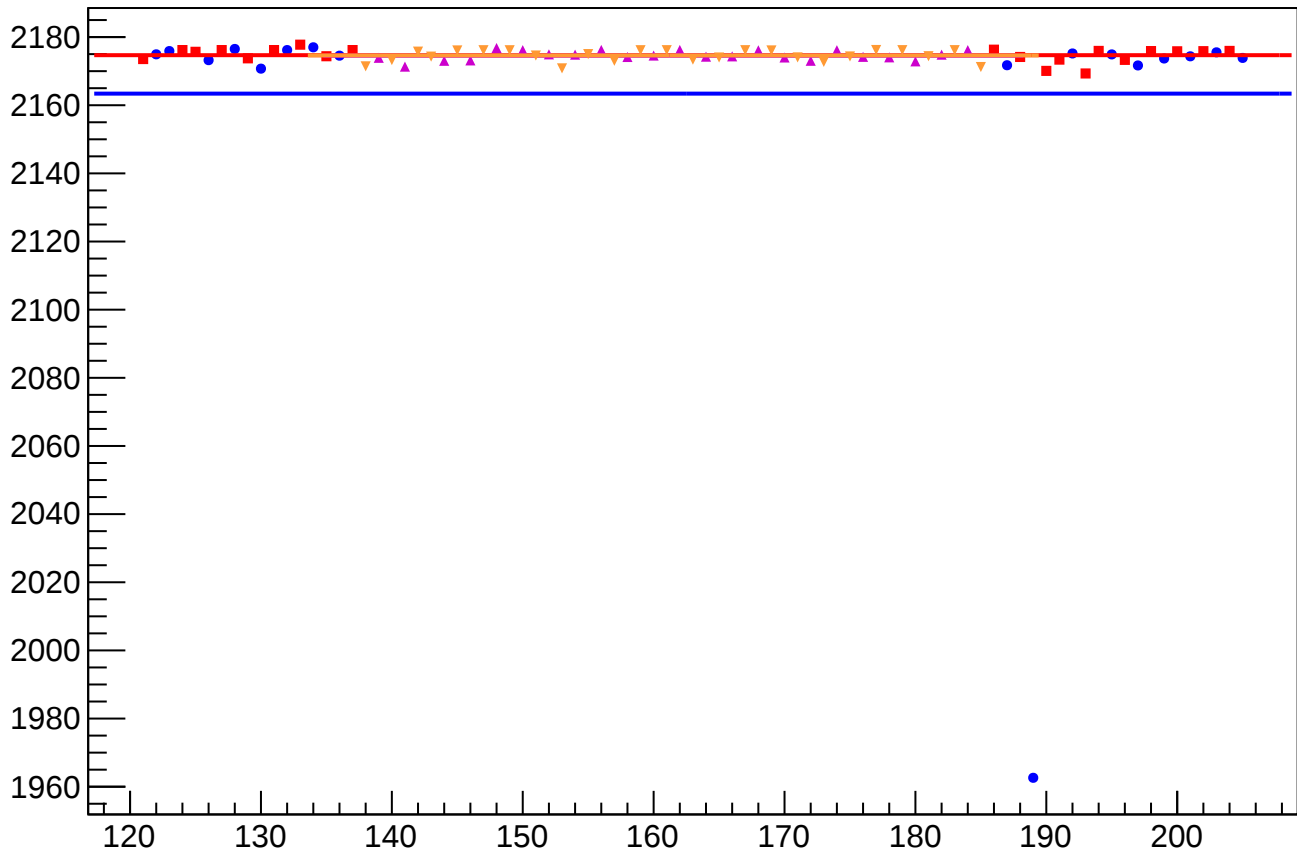
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6084099.2/22

+ sign 88.529 $\pm$ 0.000 χ^2 /NDF: 5207228239234299

All: 88.631 $\pm$ 0.000 χ^2 /NDF: 7769775268176

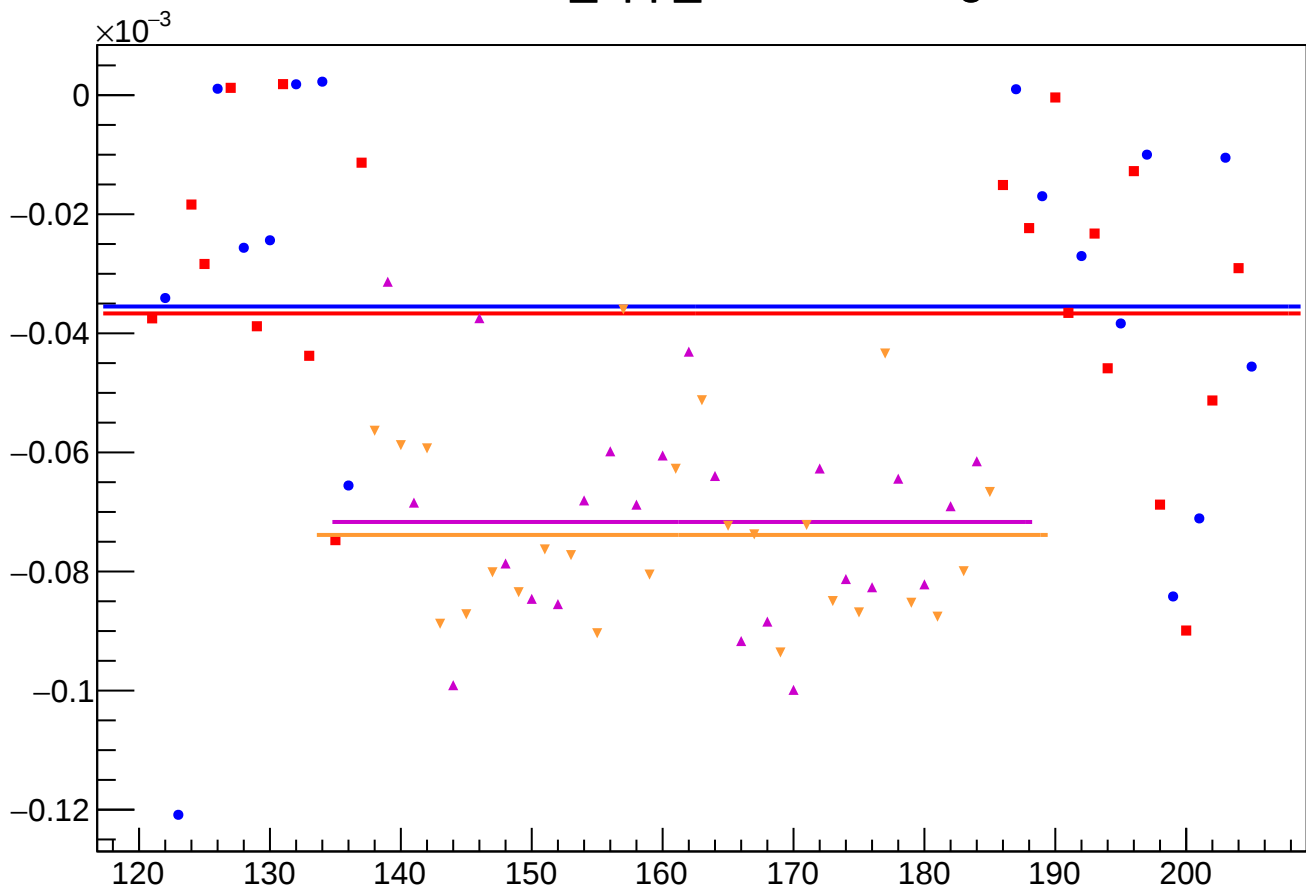
- sign 88.733 $\pm$ 0.000 χ^2 /NDF: 2502346373582396

HALLA_p_mean vs Slug



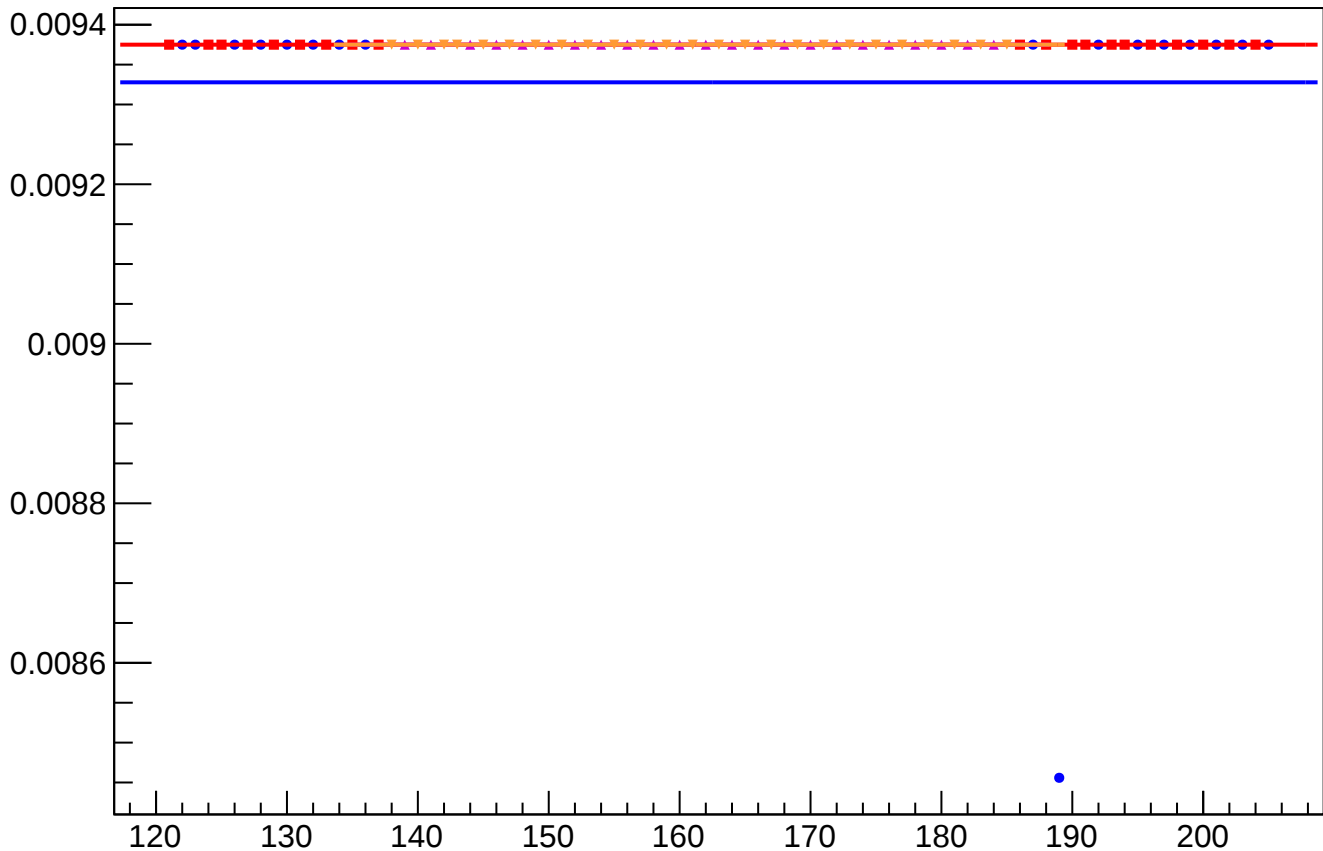
Right In: 2163.406+/-0.000	χ^2/NDF : 2169695810816097003171645957152440320.0/16
Left Out: 2174.622+/-0.000	χ^2/NDF : 51105781354760931110874911595823104.0/24
Right Out: 2174.689+/-0.000	χ^2/NDF : 4593748250723491315381505219362816.0/19
Left In: 2174.539+/-0.000	χ^2/NDF : 3400742562425168967494665391570944.0/22
+ sign 2170.785+/-0.000 χ^2/NDF : 22570020143744	
All: 2172.677+/-0.000 χ^2/NDF : 22859273527	
- sign 2174.594+/-0.000 χ^2/NDF : 80095219367227	

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 727565581088579966205952.0/16	+ sign -0.000+/-0.000	χ^2/NDF : 2139550506962316
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 4230106515059
Right Out: -0.000+/-0.000	χ^2/NDF : 706349337248271492448256.0/19	- sign -0.000+/-0.000	χ^2/NDF : 20851827175179932
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 : 40870884796515739232108544.0/16

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/19

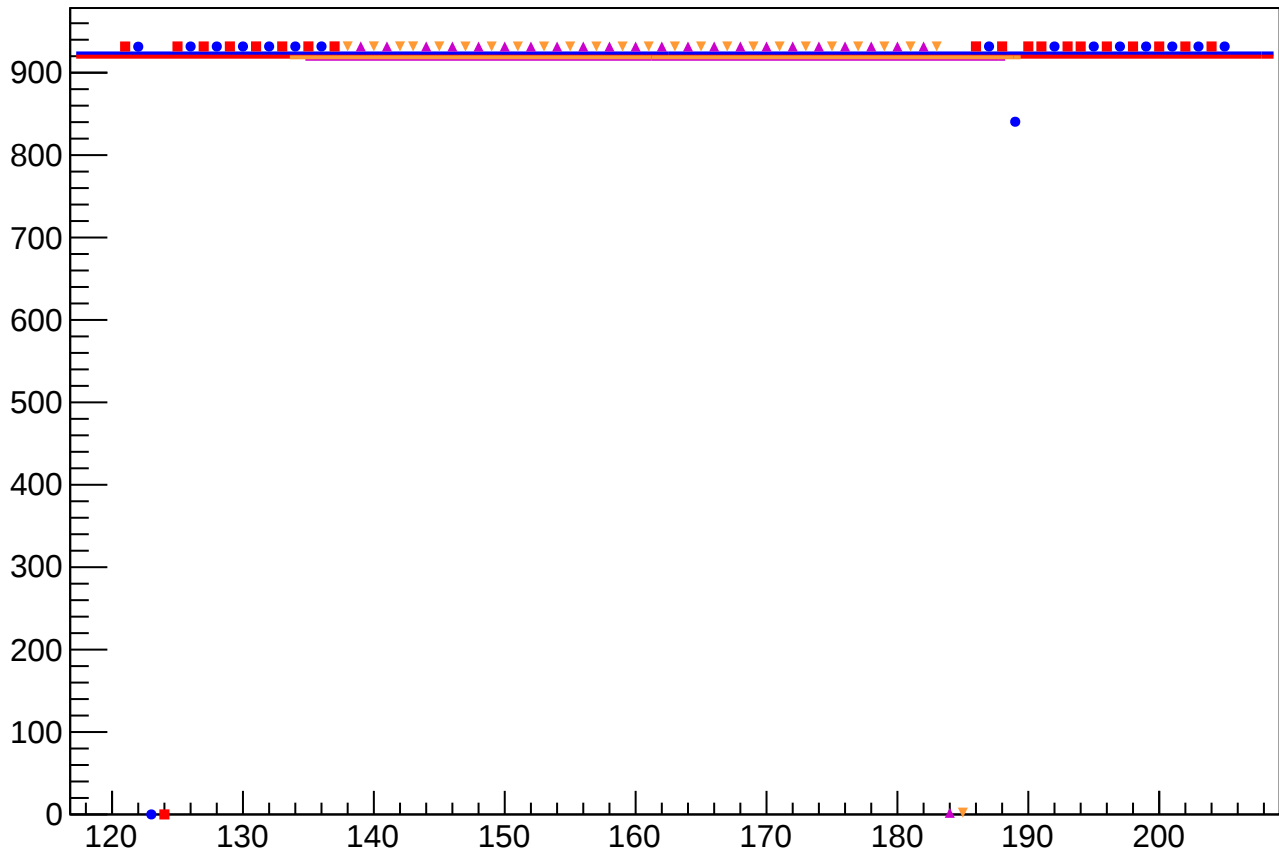
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42326744898785032

All: 0.009+/-0.000 χ^2/NDF : 4270263300829

- sign 0.009+/-0.000 χ^2/NDF : 0.2/42

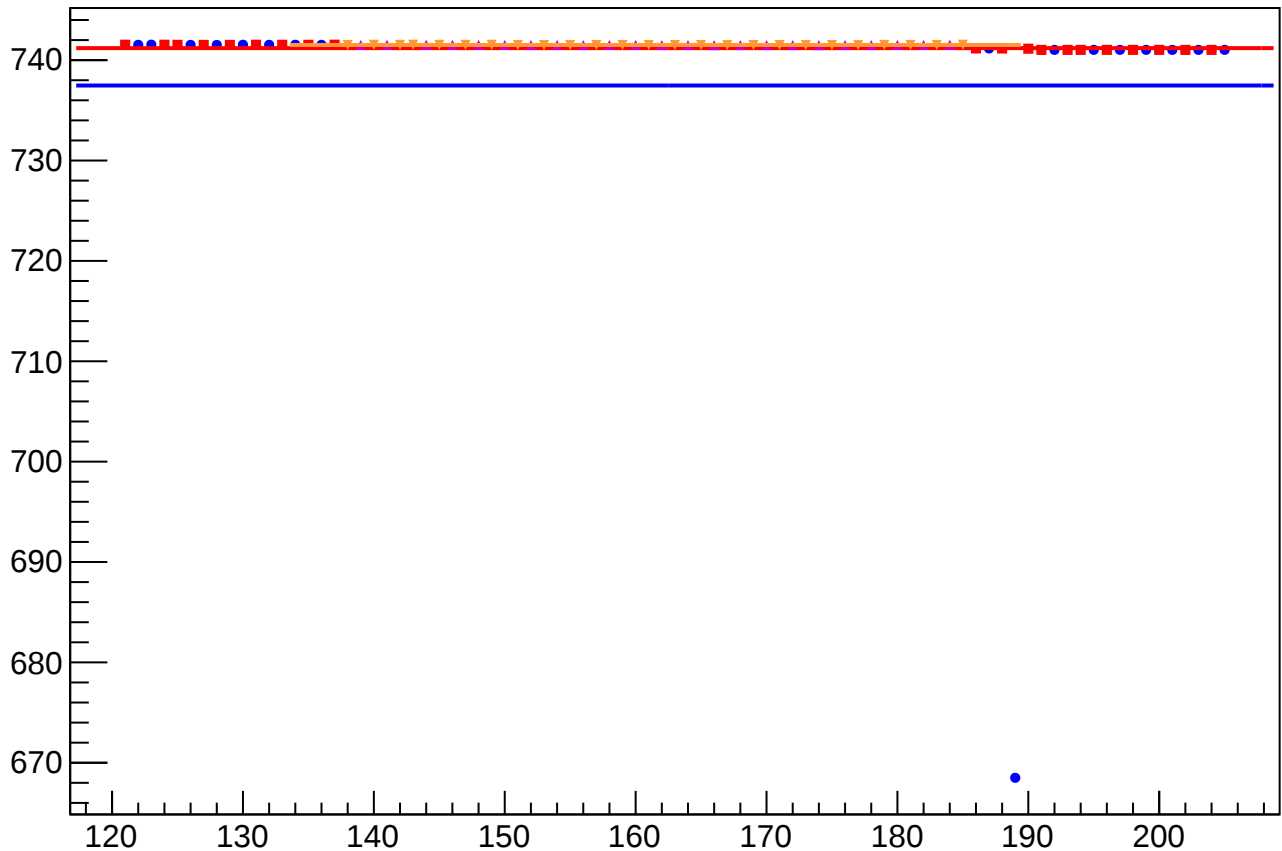
HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 923.343+/-0.000 χ^2/NDF : 3826960072463967869683681765099569152.0/16
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 919.413+/-0.000 χ^2/NDF : 11993117284430840690879380901387567104.0/19
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

+ sign 920.252+/-0.000 χ^2/NDF : 268448833351793
 All: 919.043+/-0.000 χ^2/NDF : 63518678905
 - sign 917.817+/-0.000 χ^2/NDF : 366652511238887

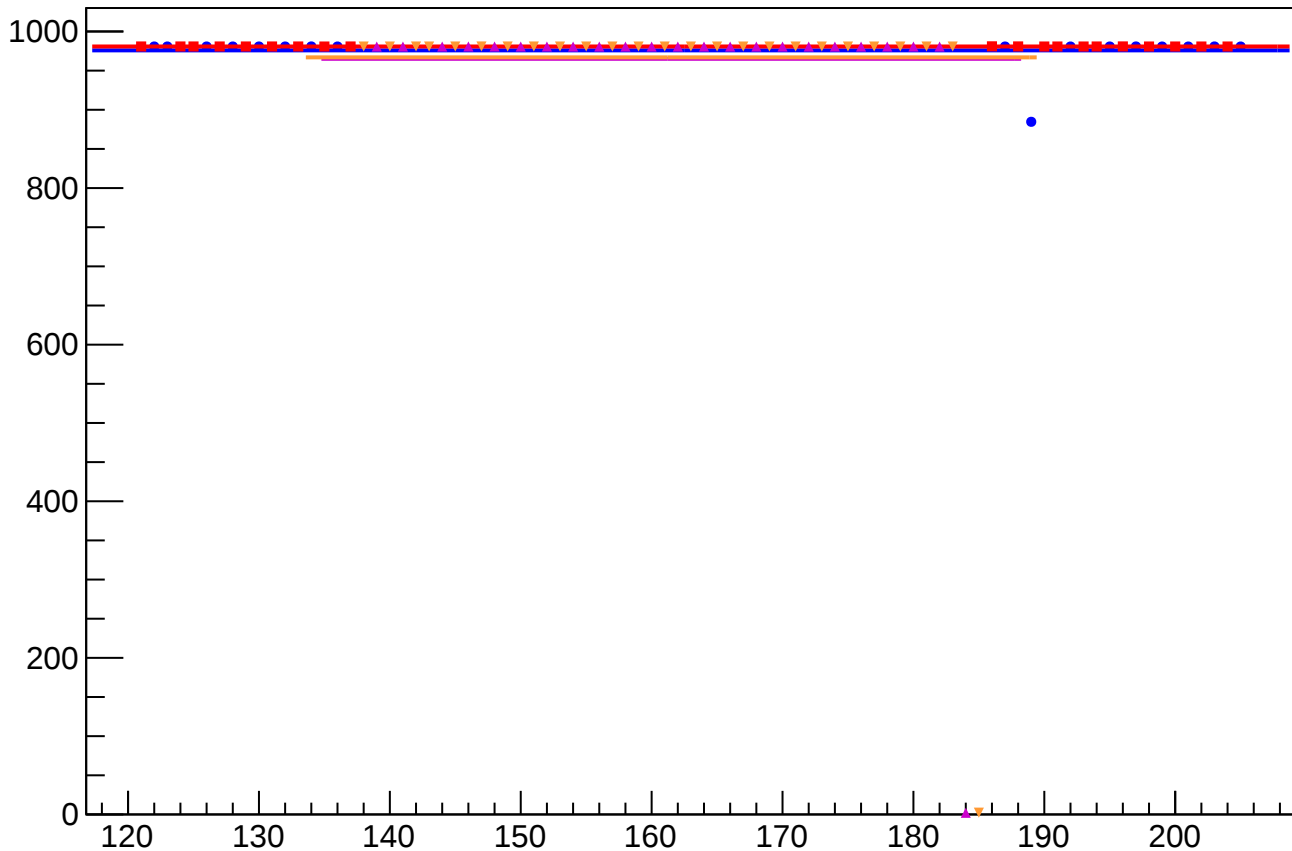
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 737.474+/-0.000 χ^2/NDF : 255816001045454829804912527760424960.0/16
Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
Right Out: 741.199+/-0.000 χ^2/NDF : 51630107341382320956767224201216.0/19
Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 740.131+/-0.000 χ^2/NDF : 266471867526331
All: 740.760+/-0.000 χ^2/NDF : 26889827759
- sign 741.397+/-0.000 χ^2/NDF : 117273679366752

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 975.879+/-0.000 χ^2/NDF : 447535072201167125195989582436368384.0/16

+ sign 969.995+/-0.000 χ^2/NDF : 259853618246905

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

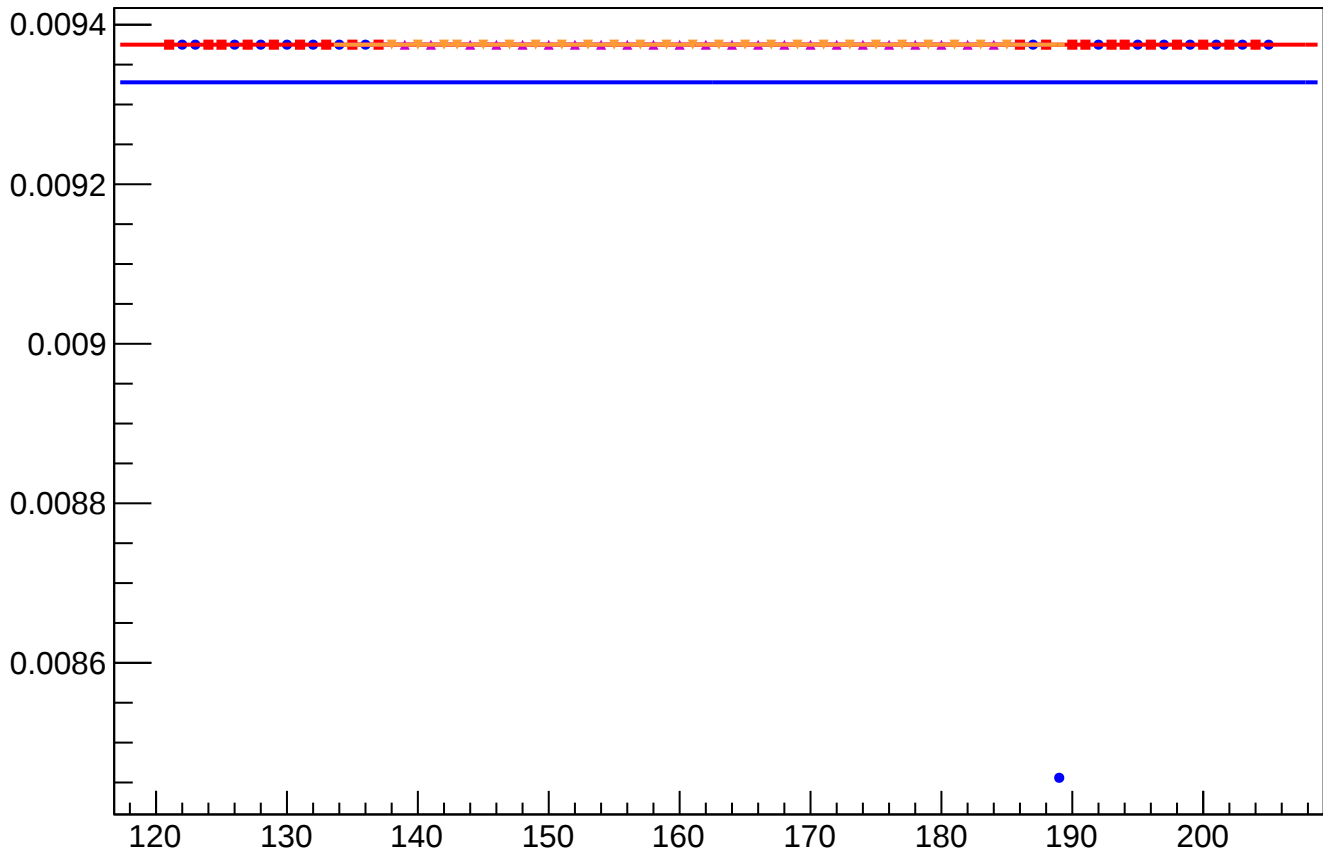
All: 970.436+/-0.000 χ^2/NDF : 534814493902

Right Out: 980.826+/-0.000 χ^2/NDF : 3125601918813779723679116034048.0/19

- sign 970.883+/-0.000 χ^2/NDF : 274949496867800

Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40870884796515739232108544.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/19

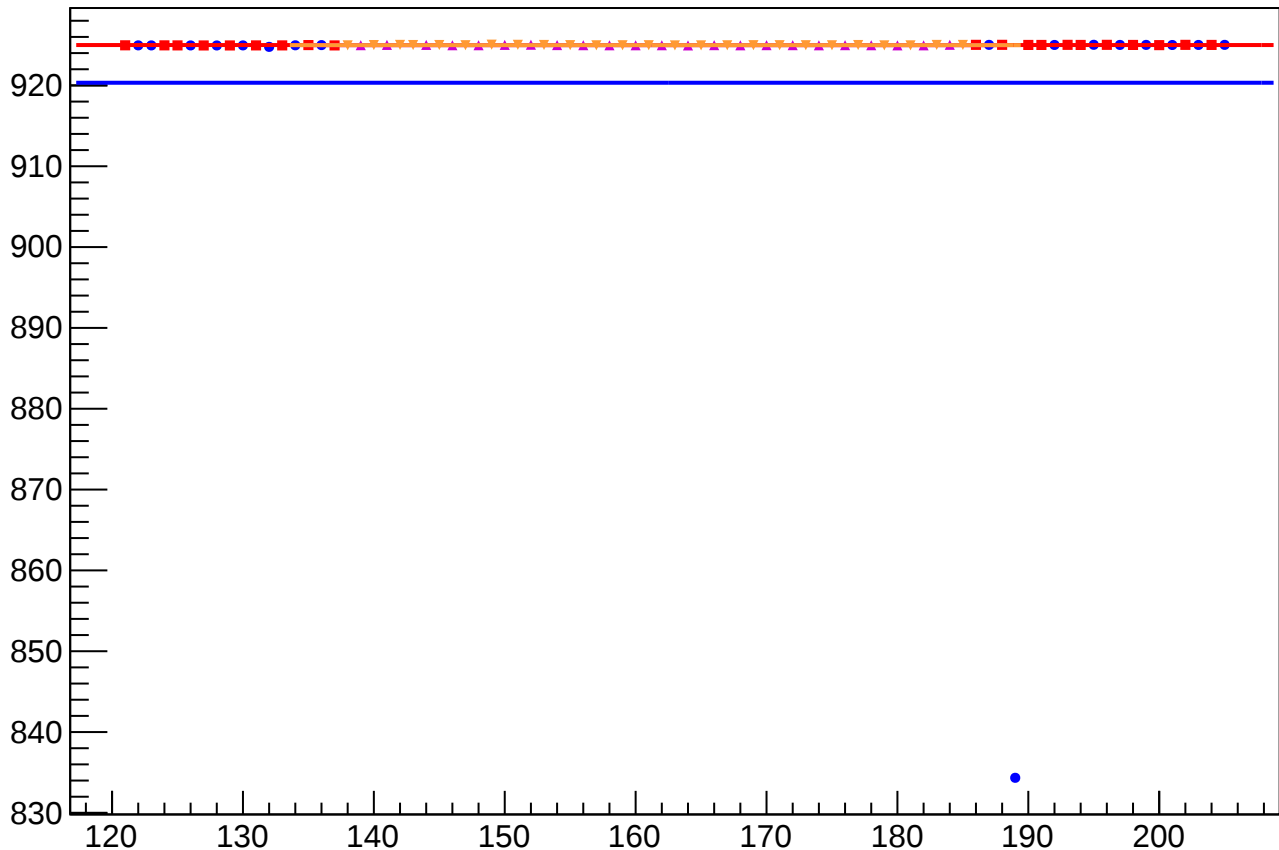
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42326744898785032

All: 0.009+/-0.000 χ^2/NDF : 4270263300829

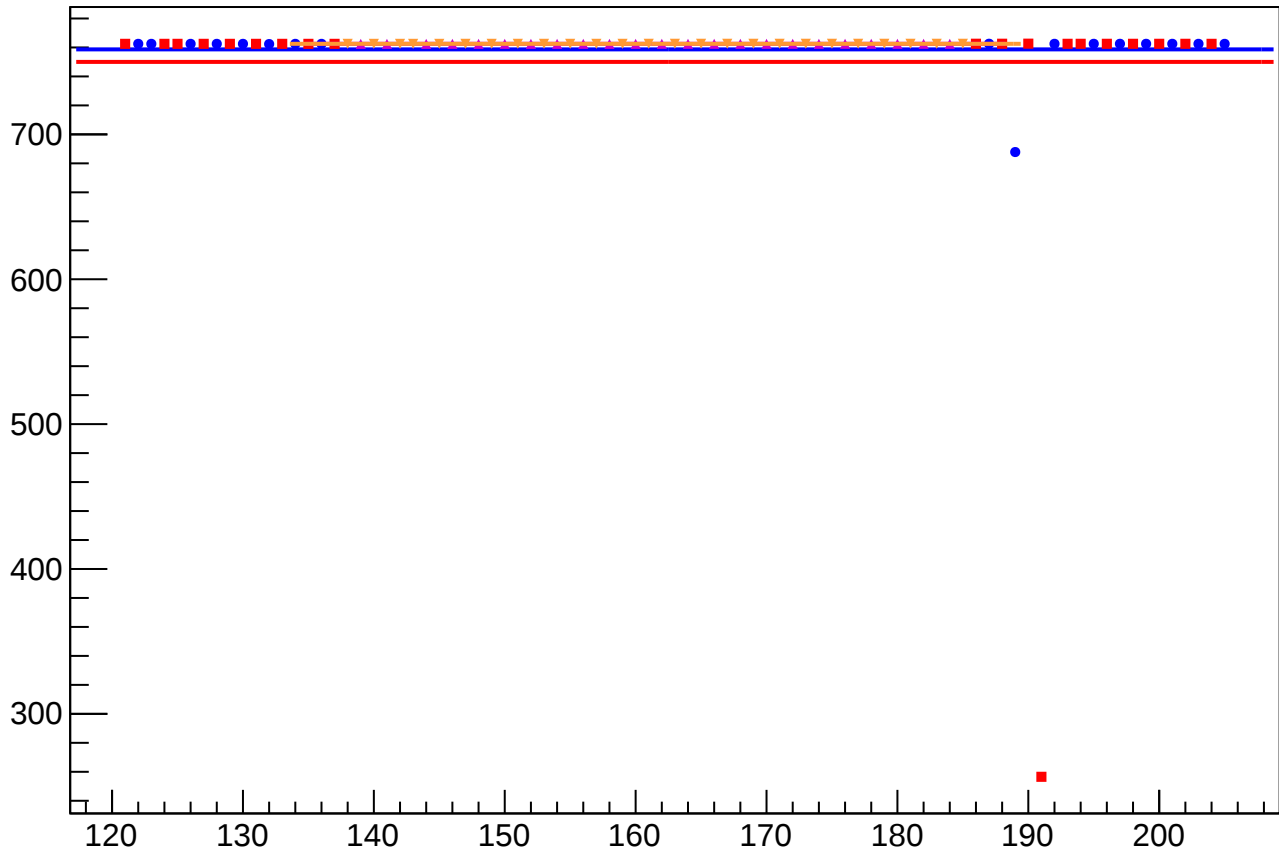
- sign 0.009+/-0.000 χ^2/NDF : 0.2/42

HacR_Q2_HP3458A_IOUT_mean vs Slug



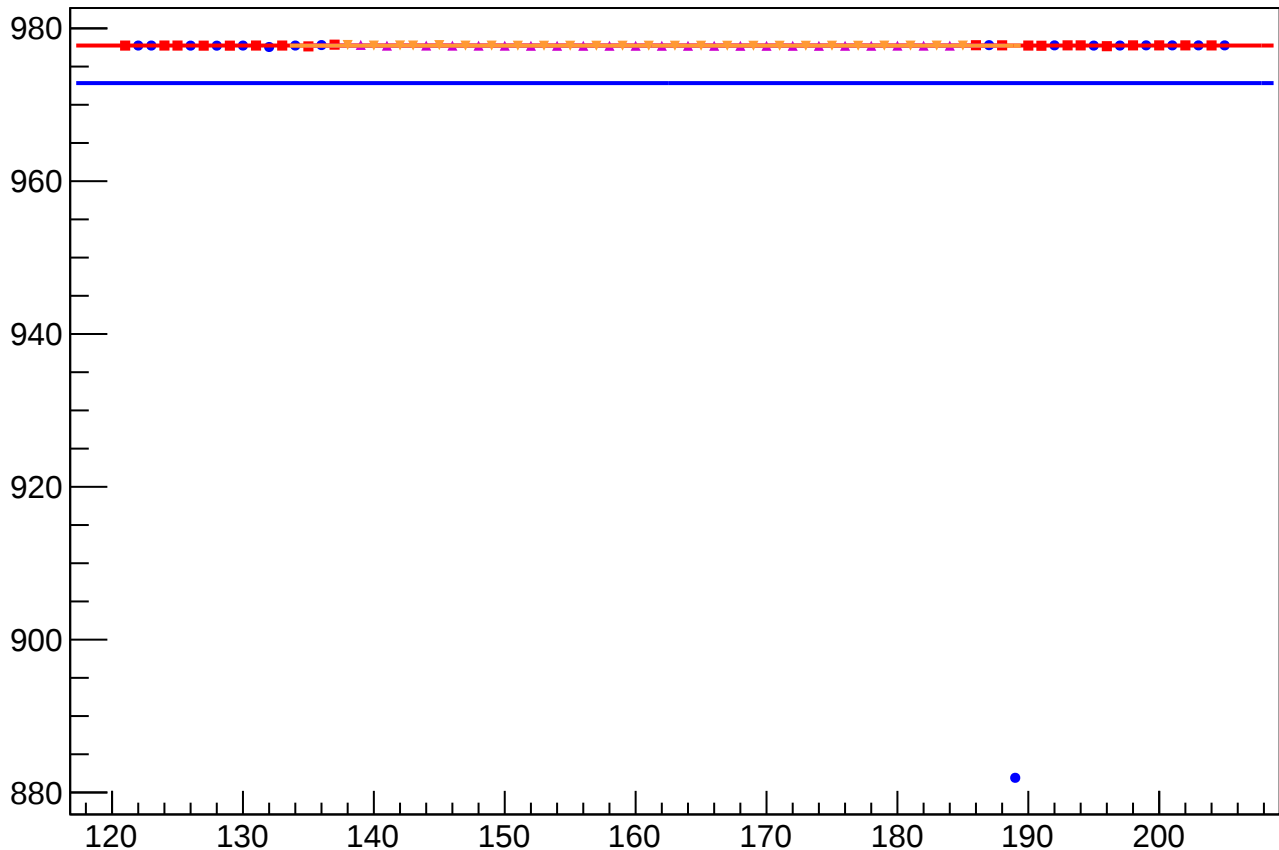
Right In: 920.331+/-0.000 χ^2/NDF : 397527033172369389753433260203966464.0/16
Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
Right Out: 924.995+/-0.000 χ^2/NDF : 830059120593427231583634456576.0/19
Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22
+ sign 923.391+/-0.000 χ^2/NDF : 411666005024149
All: 924.184+/-0.000 χ^2/NDF : 415340471905
- sign 924.987+/-0.000 χ^2/NDF : 182171309733942

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 758.673+/-0.000 χ^2/NDF : 269953737334408128770343029037858816.0/16
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 750.035+/-0.000 χ^2/NDF : 6491972428360604502254027752928706560.0/19
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.577+/-0.000 χ^2/NDF : 689082314263
 + sign 761.203+/-0.000 χ^2/NDF : 279615264074127
 - sign 757.929+/-0.000 χ^2/NDF : 659575366150119

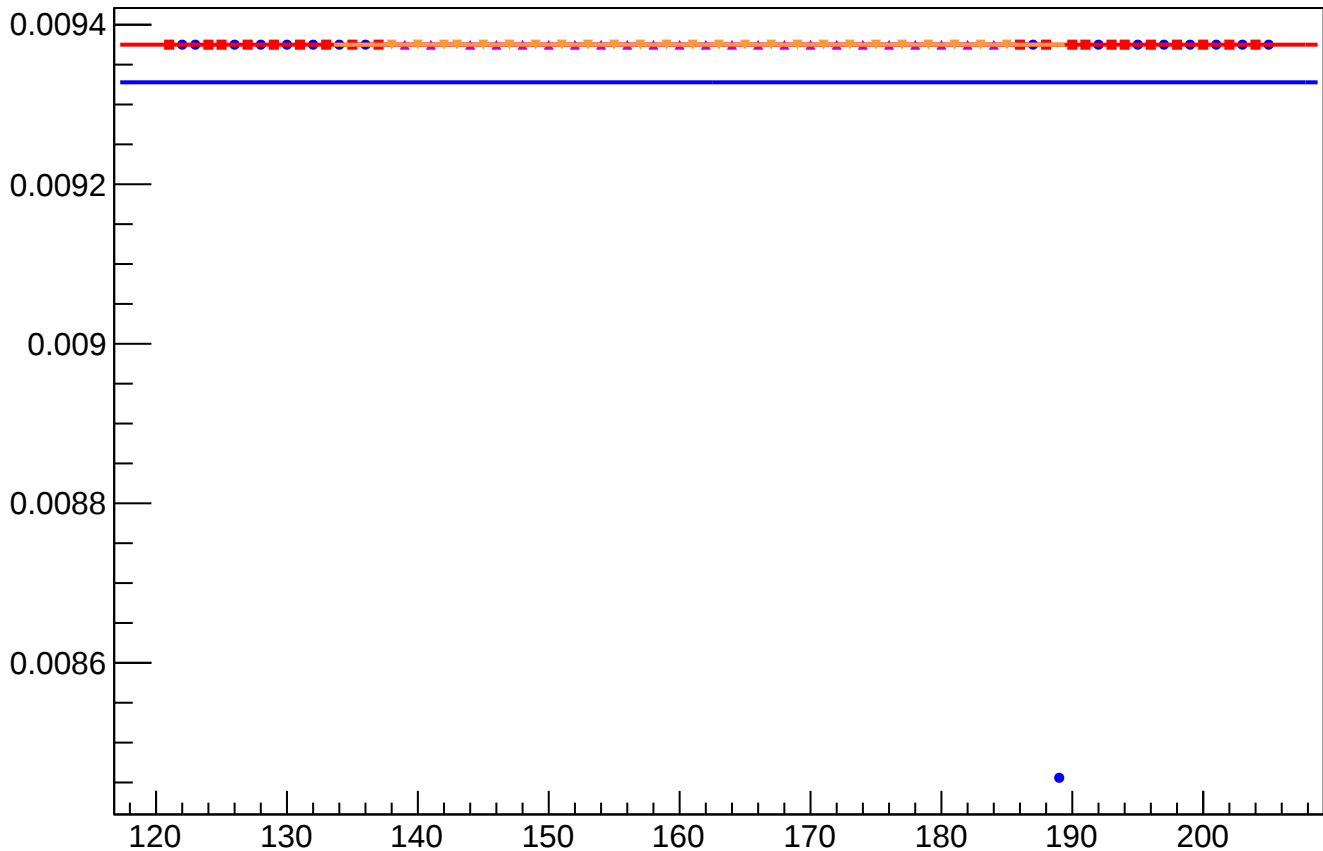
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 972.836 $\pm$ 0.000 χ^2 /NDF: 444375308328553964050773070172913664.0/16
Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24
Right Out: 977.753 $\pm$ 0.000 χ^2 /NDF: 1802755731209081229474174861312.0/19
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22

+ sign 976.061 $\pm$ 0.000 χ^2 /NDF: 460075854603433
All: 976.896 $\pm$ 0.000 χ^2 /NDF: 464151201116
- sign 977.742 $\pm$ 0.000 χ^2 /NDF: 300681816183630

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40870884796515739232108544.0/16

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/19

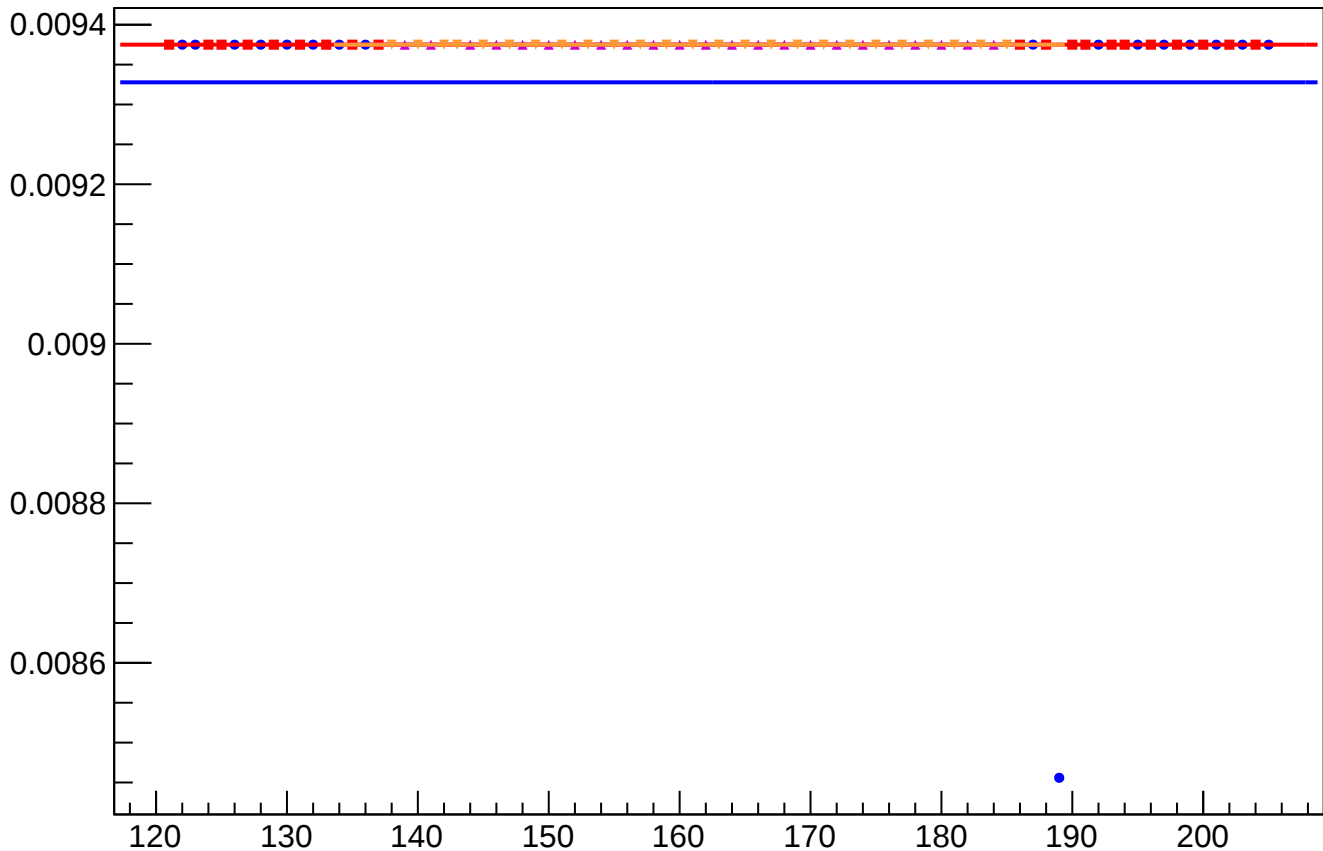
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42326744898785032

All: 0.009+/-0.000 χ^2/NDF : 4270263300829

- sign 0.009+/-0.000 χ^2/NDF : 0.2/42

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40870884796515739232108544.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/19

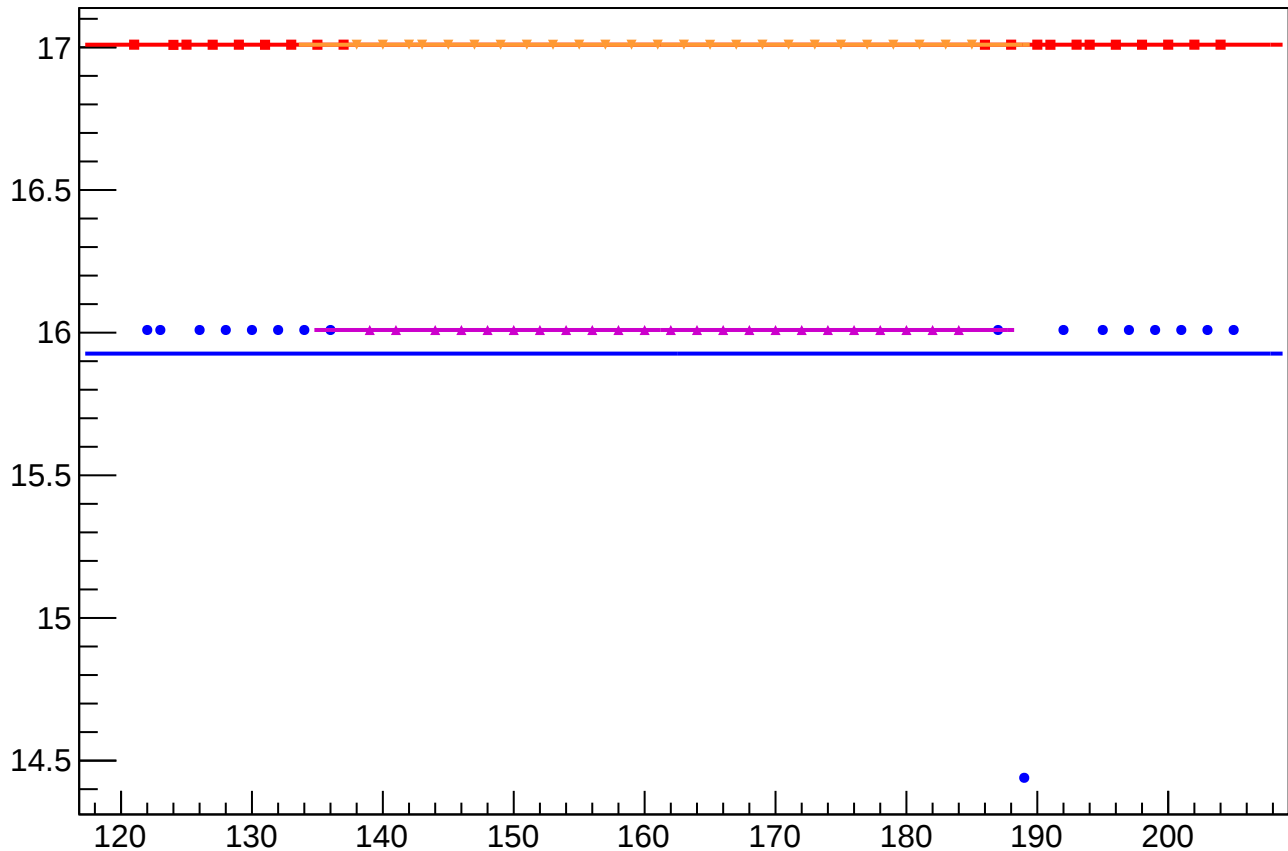
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42326744898785032

All: 0.009+/-0.000 χ^2/NDF : 4270263300829

- sign 0.009+/-0.000 χ^2/NDF : 0.2/42

IGL1I00DI24_24M_mean vs Slug



Right In: 15.927+/-0.000 χ^2/NDF : 119010615065831237536789190148096.0/16

Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24

Right Out: 17.009+/-0.000 χ^2/NDF : 14644701659590047433752576.0/19

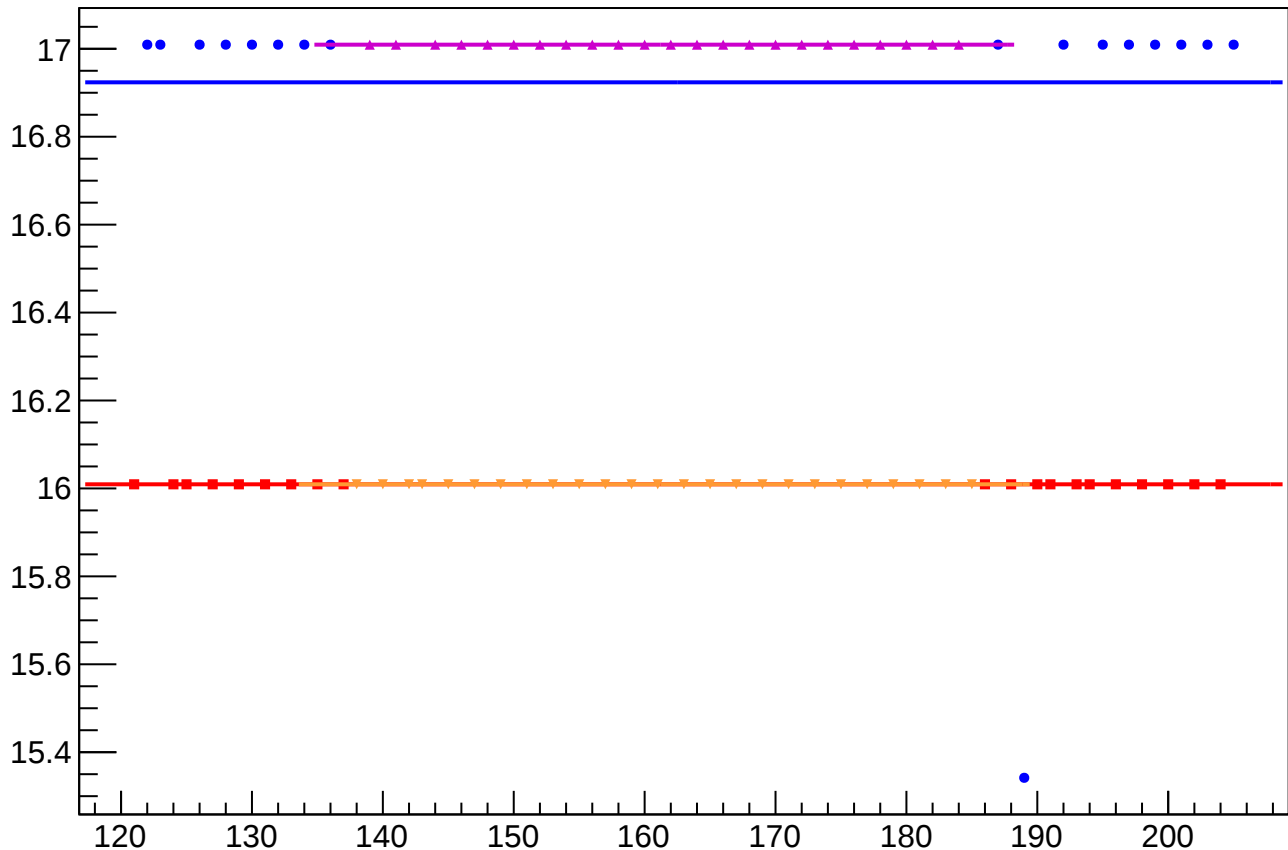
Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.627+/-0.000 χ^2/NDF : 8527667139149554

All: 16.509+/-0.000 χ^2/NDF : 1570904476035

- sign 16.391+/-0.000 χ^2/NDF : 6415320704151383

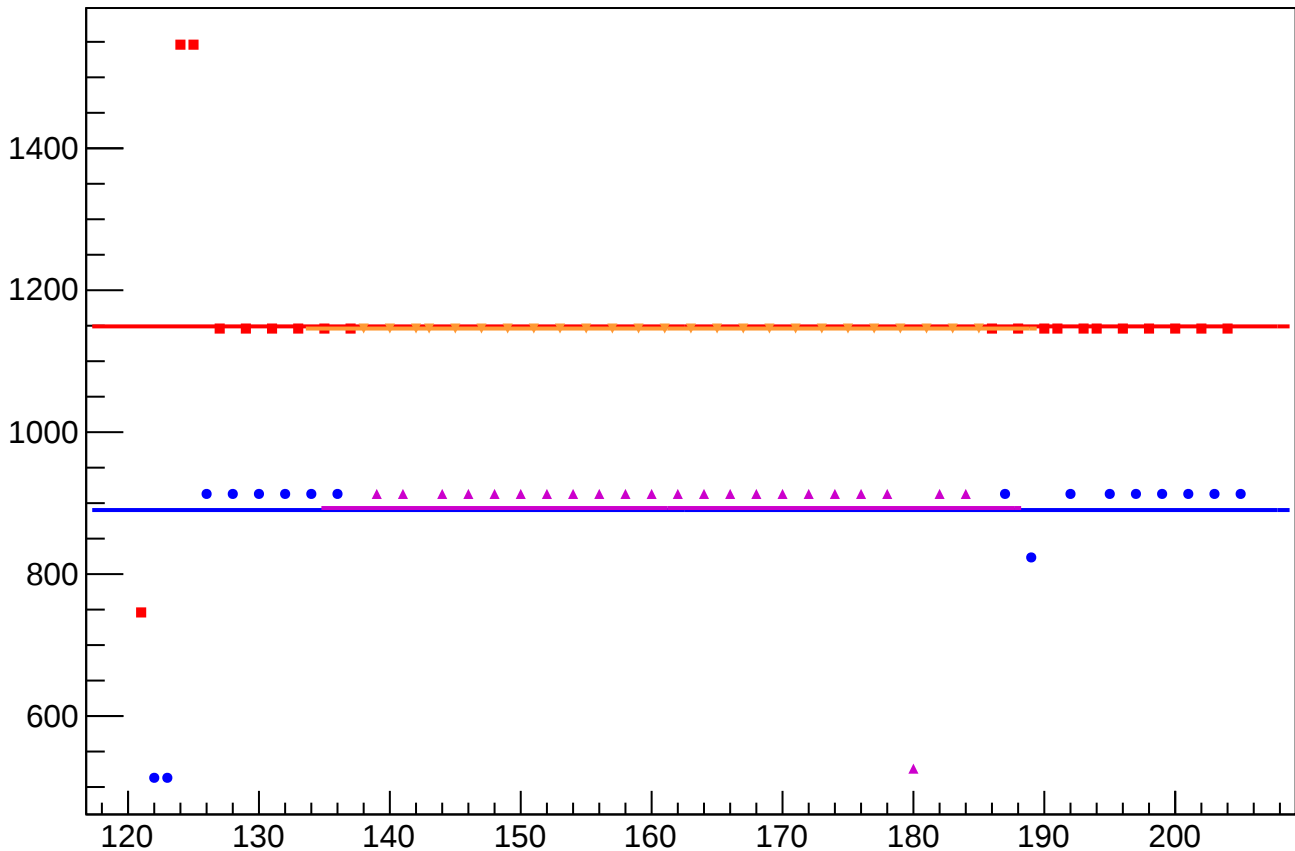
IGL1I00OD16_16_mean vs Slug



Right In: 16.924 $\pm$ 0.000 χ^2 /NDF: 134538465913163352029190221201408.0/16
 Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 89740.8/24
 Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 220679.1/19
 Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 115033472633445654986752.0/22

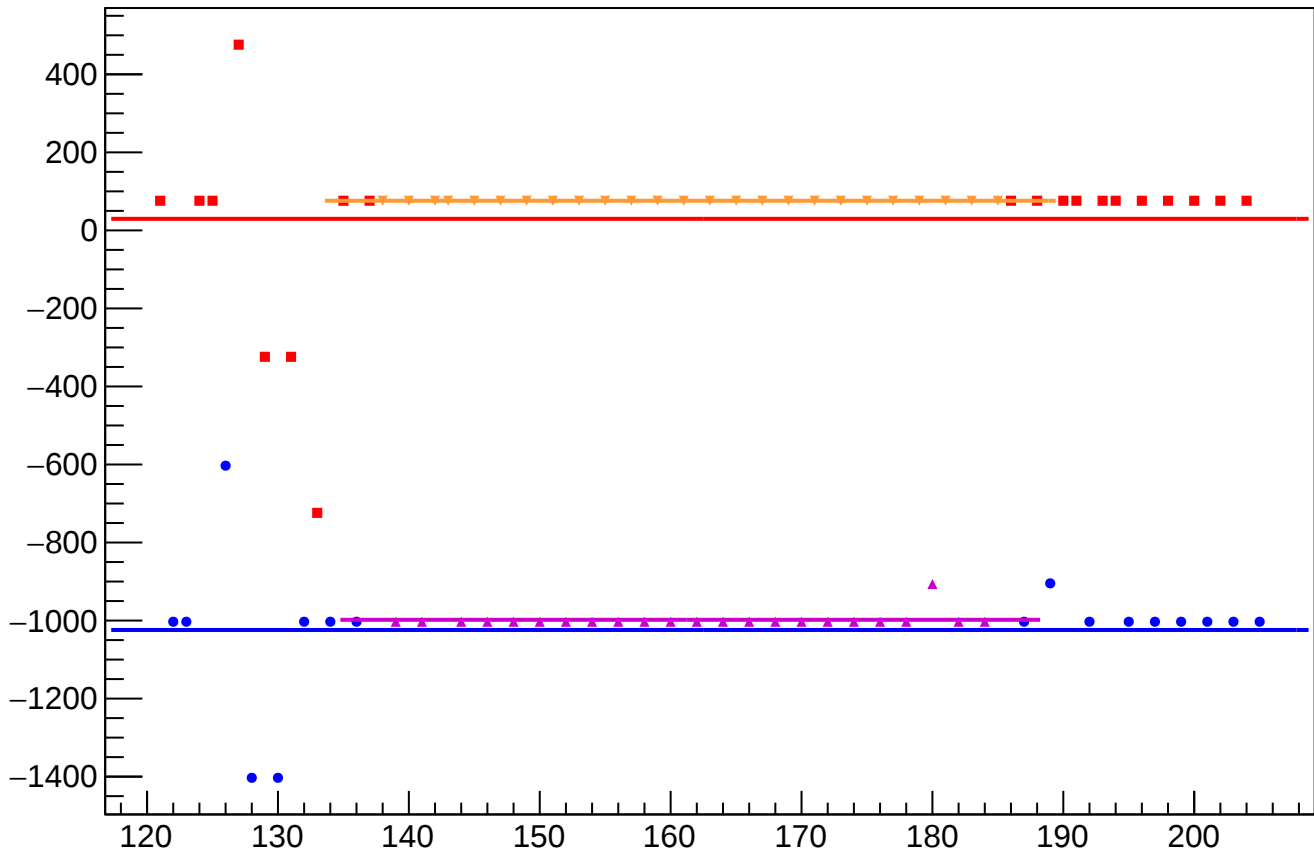
+ sign 16.325 $\pm$ 0.000 χ^2 /NDF: 6783828409059255
 All: 16.479 $\pm$ 0.000 χ^2 /NDF: 1475891878414
 - sign 16.636 $\pm$ 0.000 χ^2 /NDF: 6596635044625720

RTPAPOSUCNT_mean vs Slug



Right In: 890.270+/-0.000 χ^2/NDF : 7095905999441653003782205638275235840.0/16
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24
 Right Out: 1149.049+/-0.000 χ^2/NDF : 13750941573780521308669851781560270848.0/19
 Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1024.122+/-0.000 χ^2/NDF : 23249302329105149359209778739723370496.0/16
 Left Out: 76.011+/-0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: 29.667+/-0.000 χ^2/NDF : 44778182312095896613536158351131410432.0/19
 Left In: -998.020+/-0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22
 All: -459.155+/-0.000 χ^2/NDF : 17103179217
 + sign -300.301+/-0.000 χ^2/NDF : 81397569835082
 - sign -620.173+/-0.000 χ^2/NDF : 748831488080924