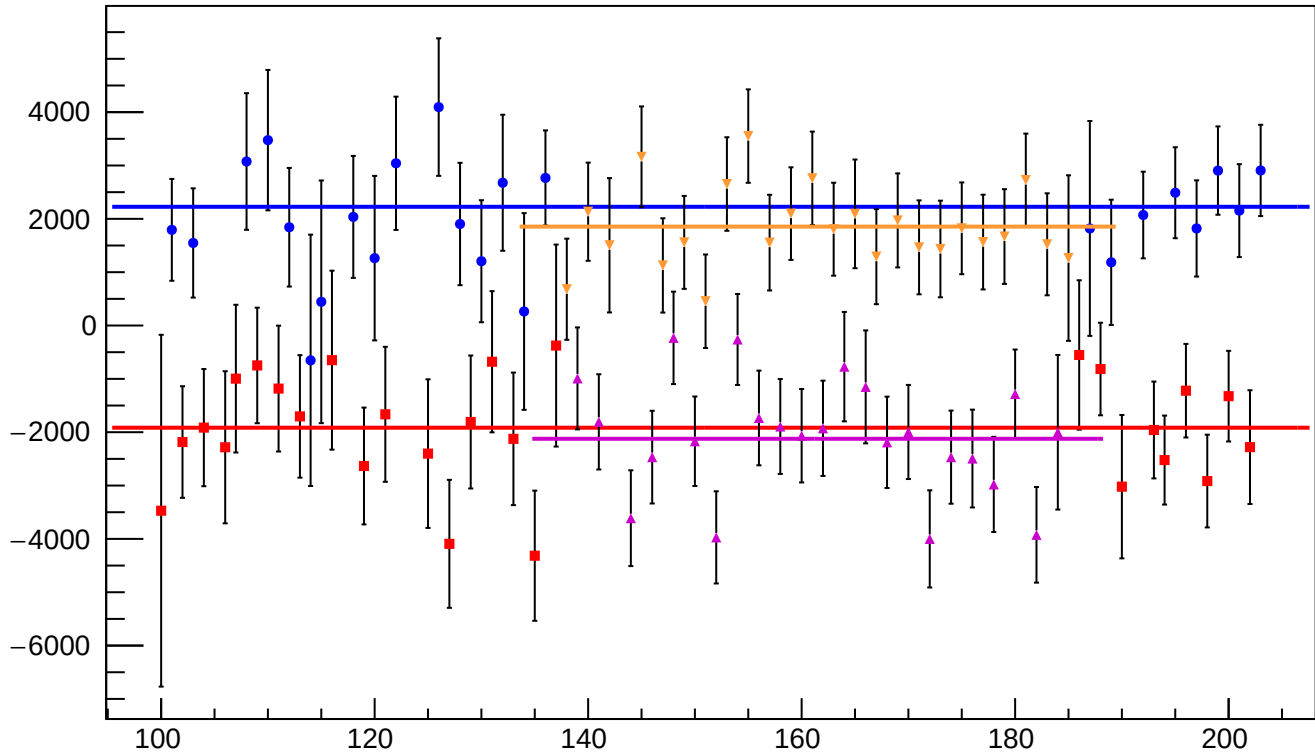


reg_asym_us_avg_mean vs Slug



Right In: 2225.908+/-224.870

χ^2/NDF : 12.1/23

Left Out: 1854.267+/-187.405

χ^2/NDF : 15.1/23

Right Out: -1915.738+/-218.503

χ^2/NDF : 18.6/26

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 2006.592+/-143.965

χ^2/NDF : 28.9/47

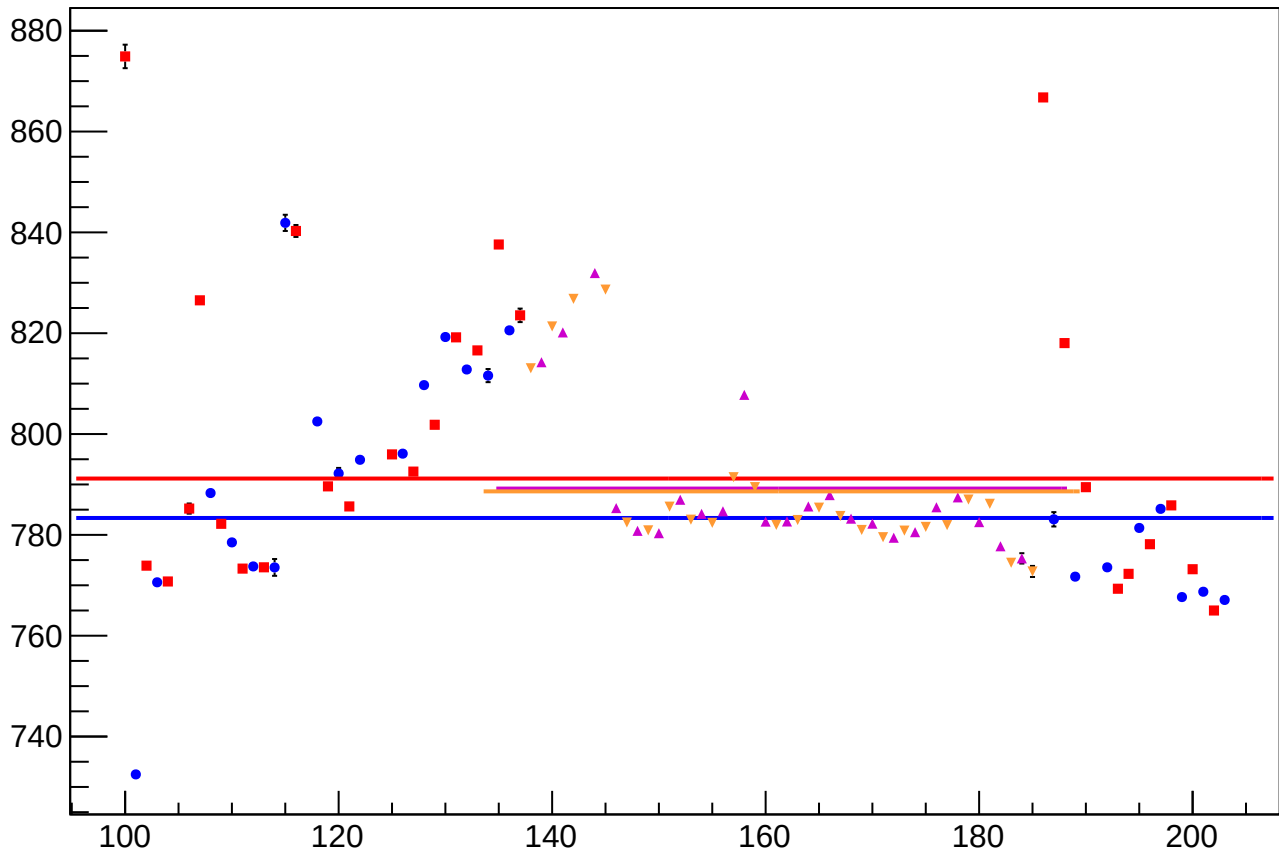
All: -30.276+/-101.387

χ^2/NDF : 477.1/97

- sign -2034.545+/-142.808

χ^2/NDF : 51.1/49

reg_asym_us_avg_rms vs Slug



Right In: 783.353 $\pm$ 0.159 χ^2 /NDF: 19109.2/23

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

Right Out: 791.173 $\pm$ 0.155 χ^2 /NDF: 24624.6/26

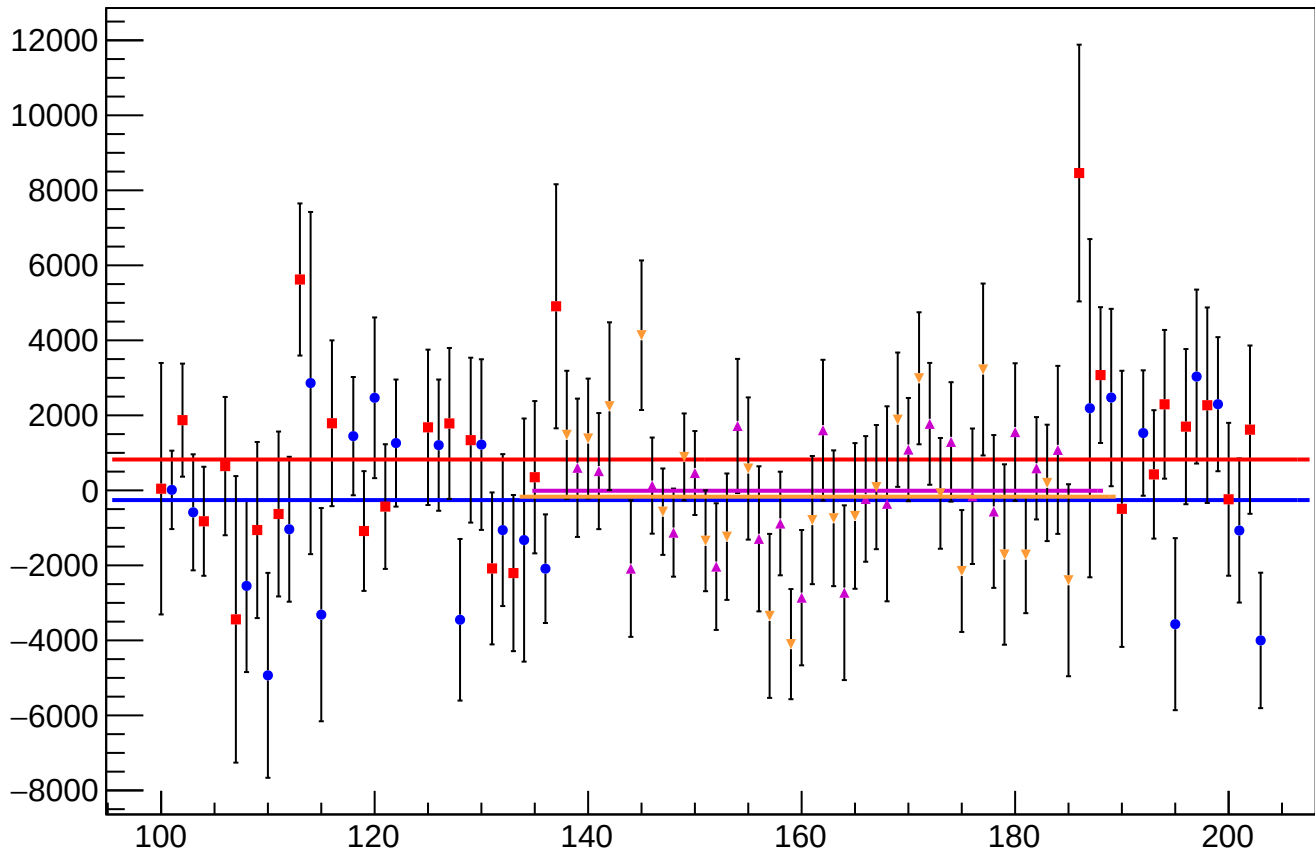
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 786.467 $\pm$ 0.102 χ^2 /NDF: 31237.1/47

All: 788.265 $\pm$ 0.072 χ^2 /NDF: 67918.9/97

- sign 790.034 $\pm$ 0.101 χ^2 /NDF: 36062.7/49

asym_us_avg_correction_mean vs Slug



Right In: -259.159 ± 393.203 χ^2/NDF : 28.0/23

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

Right Out: 822.864 ± 397.347 χ^2/NDF : 26.3/26

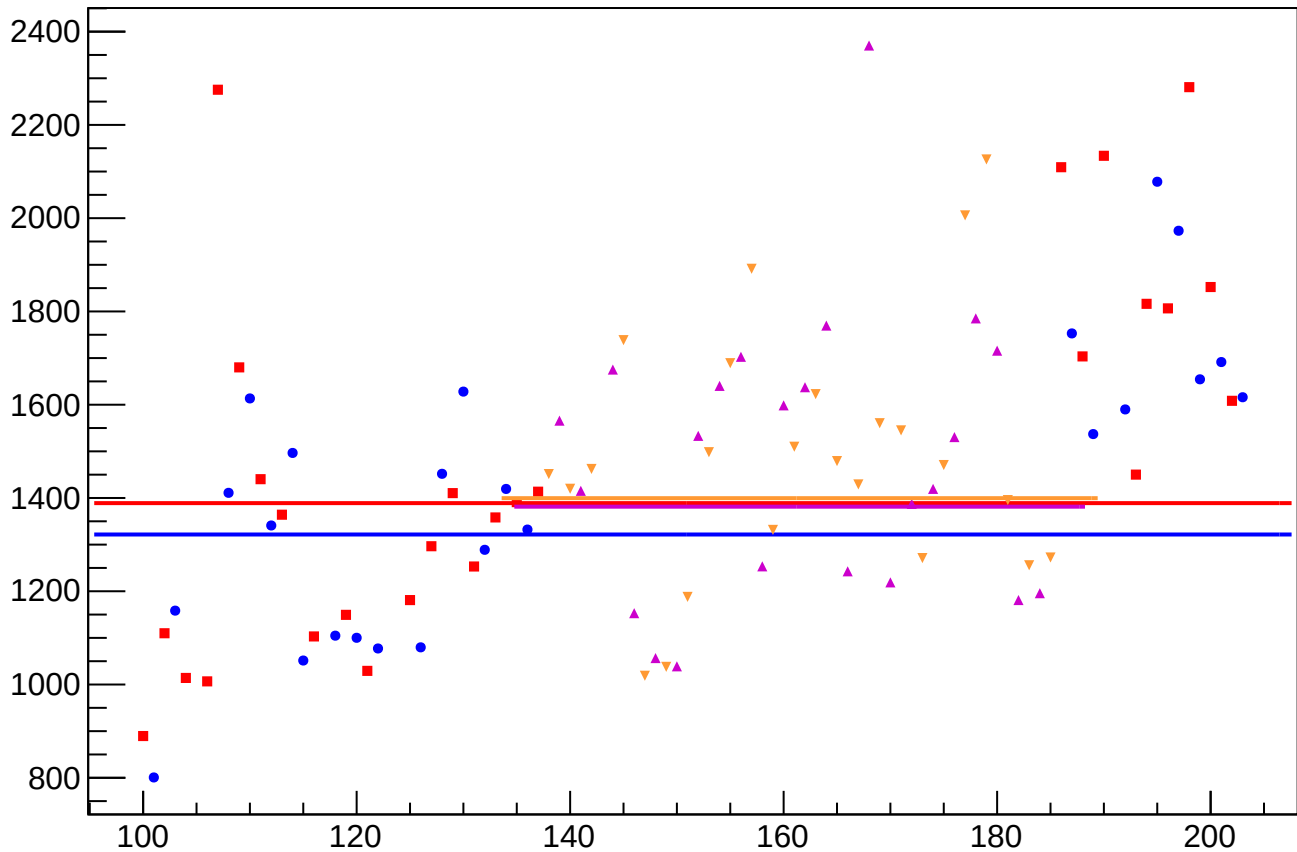
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -207.721 ± 257.354 χ^2/NDF : 58.0/47

All: 65.807 ± 181.982 χ^2/NDF : 103.4/97

- sign 339.368 ± 257.370 χ^2/NDF : 43.1/49

asym_us_avg_correction_rms vs Slug



Right In: 1321.704+/-0.278 χ^2/NDF : 1409499.5/23

Left Out: 1399.587+/-0.241 χ^2/NDF :1119125.1/23

+ sign 1366.223+/-0.182 χ^2/NDF : 2573476.7/47

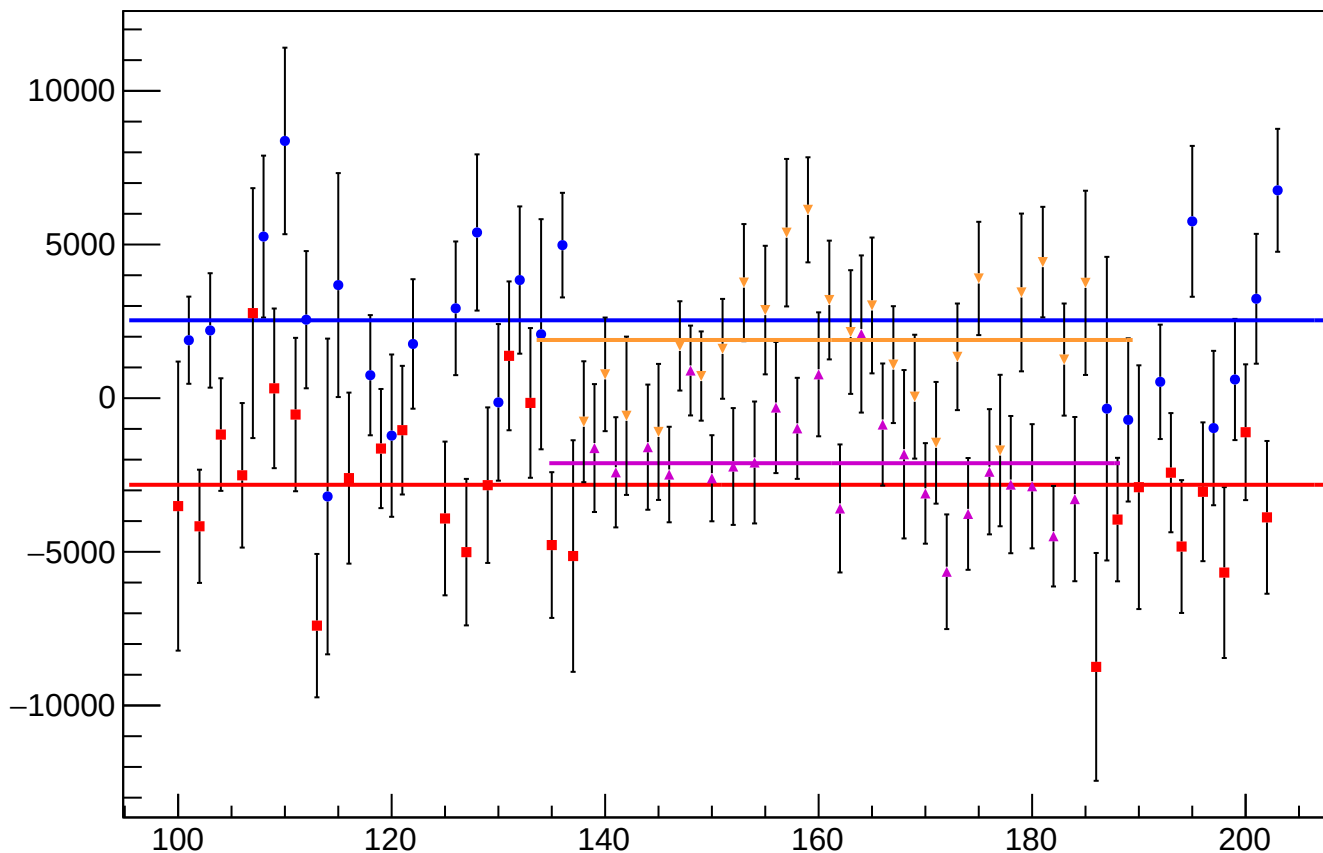
Right Out: 1388.977+/-0.281 χ^2/NDF : 1442431.5/26

All: 1375.388+/-0.129 χ^2/NDF : 5297896.5/97

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

- sign 1384.555+/-0.182 χ^2/NDF : 2719346.4/49

asym_us_avg_mean vs Slug



Right In: 2533.830 $\pm$ 465.234 χ^2 /NDF: 26.3/23

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

Right Out: -2818.452 $\pm$ 464.711 χ^2 /NDF: 22.4/26

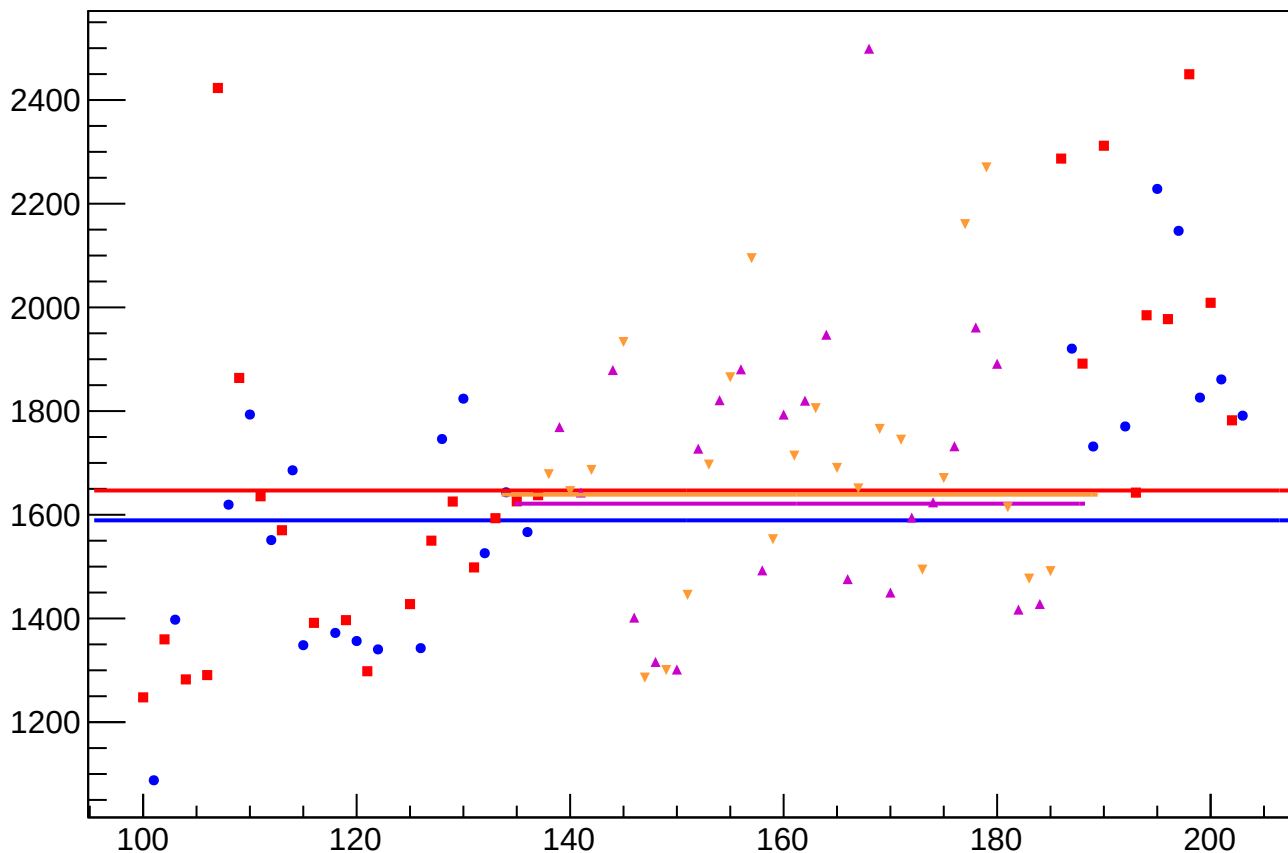
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF: 18.8/22

+ sign 2161.616 $\pm$ 301.055 χ^2 /NDF: 53.3/47

All: -131.098 $\pm$ 212.532 χ^2 /NDF: 211.5/97

- sign -2408.967 $\pm$ 300.078 χ^2 /NDF: 42.6/49

asym_us_avg_rms vs Slug



Right In: 1589.233+/-0.329 χ^2 /NDF: 761416.6/23

Left Out: 1638.806+/-0.279 χ^2 /NDF: 671906.6/23

Right Out: 1646.834+/-0.329 χ^2 /NDF: 873770.2/26

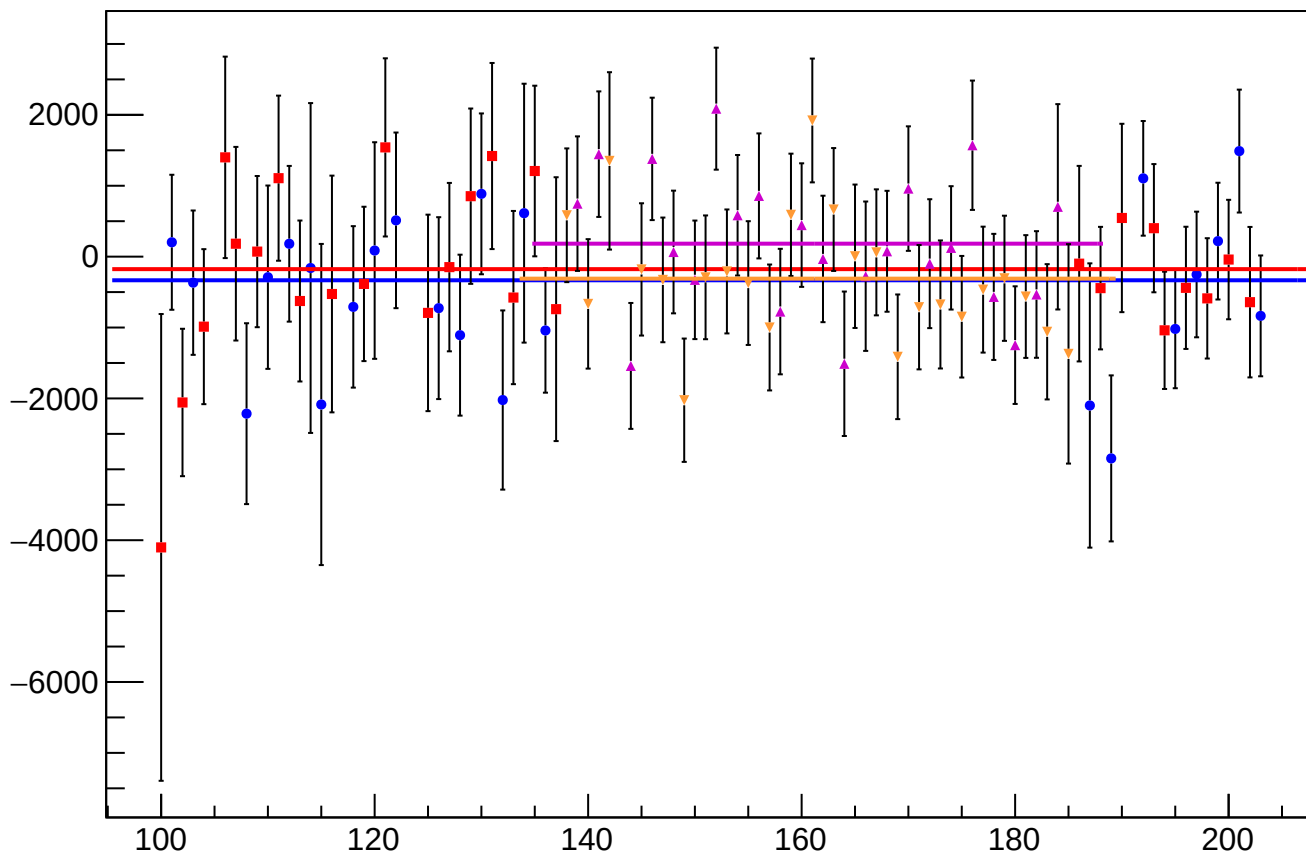
Left In: 1621.417+/-0.278 χ^2 /NDF: 775310.1/22

+ sign 1618.048+/-0.213 χ^2 /NDF: 1446522.4/47

All: 1625.054+/-0.150 χ^2 /NDF: 3101250.4/97

- sign 1632.015+/-0.212 χ^2 /NDF: 1652568.6/49

reg_asym_us_dd_mean vs Slug



Right In: -333.404 ± 222.948 χ^2/NDF : 22.8/23

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

Right Out: -176.276 ± 216.305 χ^2/NDF : 16.2/26

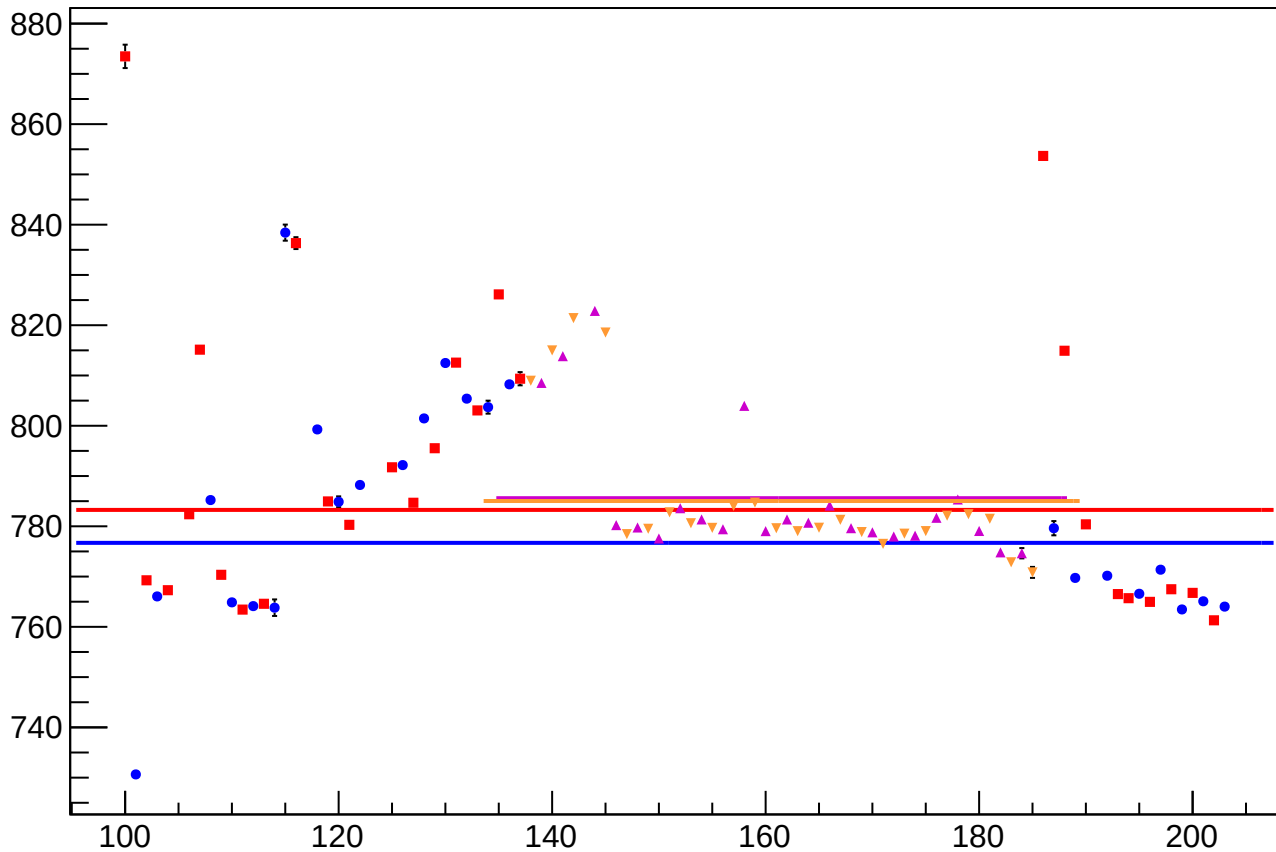
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -319.968 ± 143.066 χ^2/NDF : 42.9/47

All: -144.204 ± 100.719 χ^2/NDF : 89.8/97

- sign 28.504 ± 141.817 χ^2/NDF : 43.9/49

reg_asym_us_dd_rms vs Slug



Right In: 776.707 $\pm$ 0.158 χ^2 /NDF: 17153.8/23

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

Right Out: 783.261 $\pm$ 0.153 χ^2 /NDF: 24270.1/26

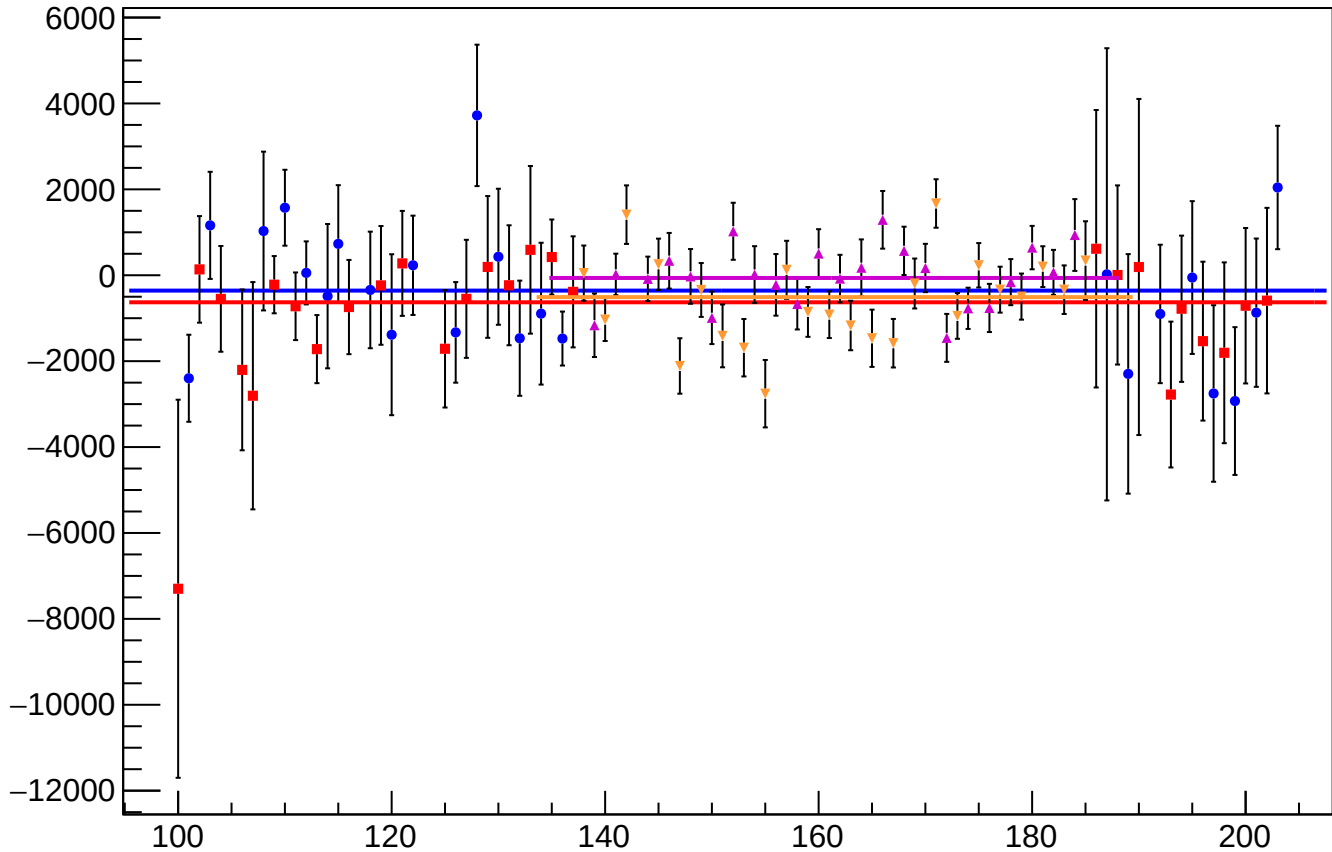
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 781.603 $\pm$ 0.101 χ^2 /NDF: 28161.7/47

All: 783.110 $\pm$ 0.071 χ^2 /NDF: 62377.7/97

- sign 784.590 $\pm$ 0.100 χ^2 /NDF: 33776.3/49

asym_us_dd_correction_mean vs Slug



Right In: -357.379 ± 260.554 χ^2/NDF : 30.5/23

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

Right Out: -629.658 ± 253.944 χ^2/NDF : 12.3/26

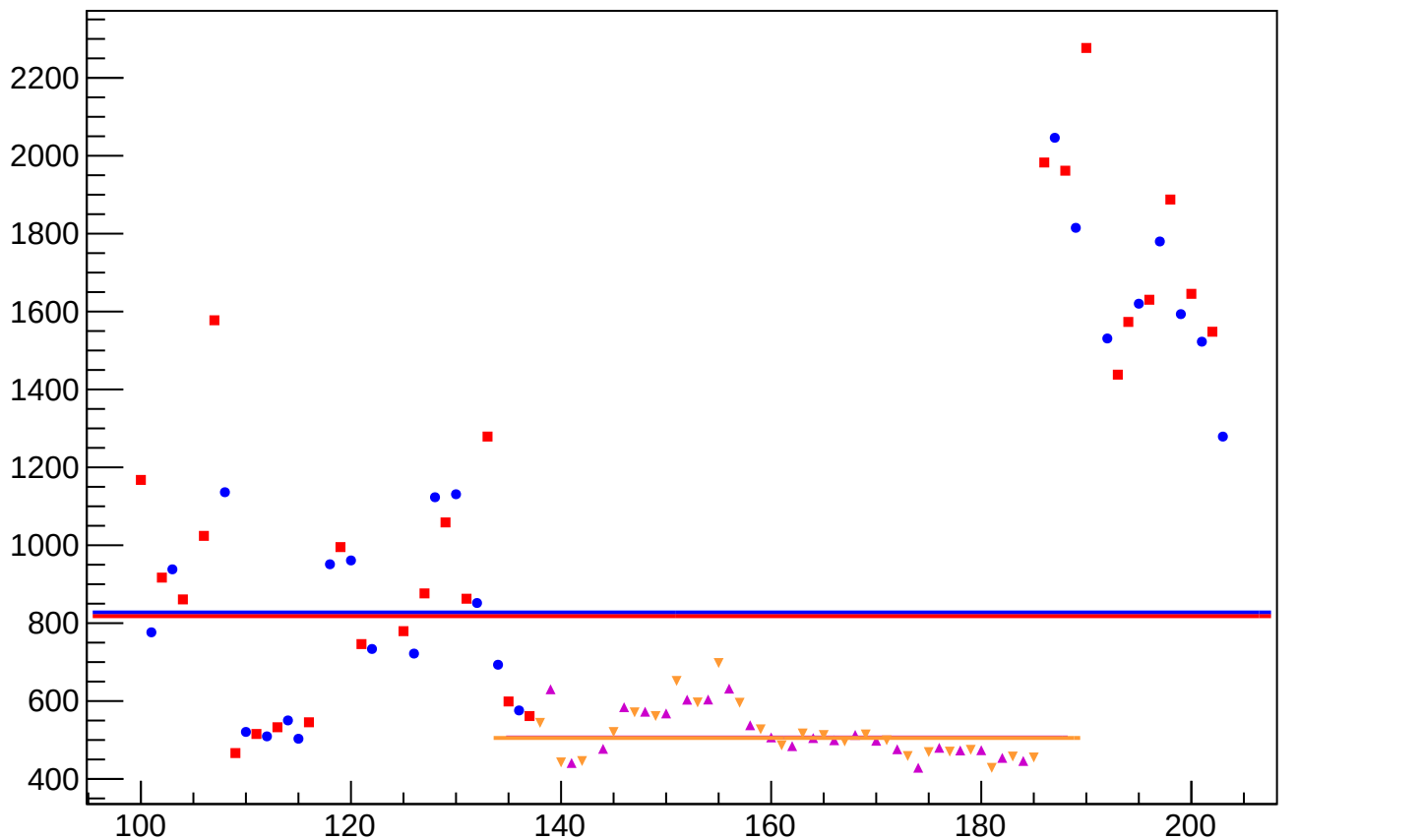
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -482.288 ± 109.885 χ^2/NDF : 91.3/47

All: -325.877 ± 77.742 χ^2/NDF : 140.5/97

- sign -169.137 ± 110.001 χ^2/NDF : 45.1/49

asym_us_dd_correction_rms vs Slug



Right In: 827.428 $\pm$ 0.184 χ^2 /NDF: 3873805.7/23

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

Right Out: 817.887 $\pm$ 0.180 χ^2 /NDF: 5205927.9/26

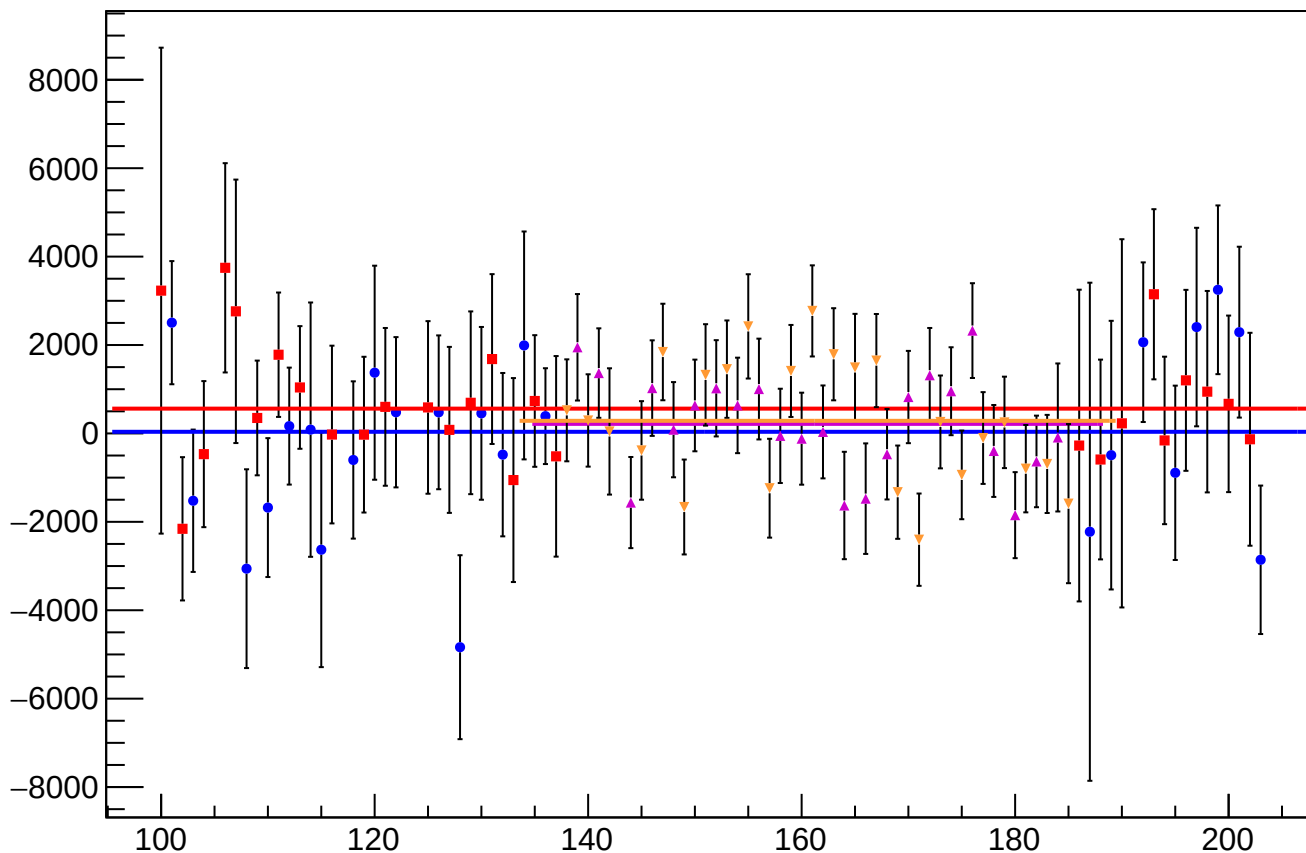
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF:436294.4/22

+ sign 562.529 $\pm$ 0.078 χ^2 /NDF: 6873889.4/47

All: 563.678 $\pm$ 0.055 χ^2 /NDF: 14961341.4/97

- sign 564.831 $\pm$ 0.078 χ^2 /NDF: 8087013.6/49

asym_us_dd_mean vs Slug



Right In: 36.869 ± 375.634 χ^2/NDF : 25.0/23

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

Right Out: 561.023 ± 372.809 χ^2/NDF : 10.5/26

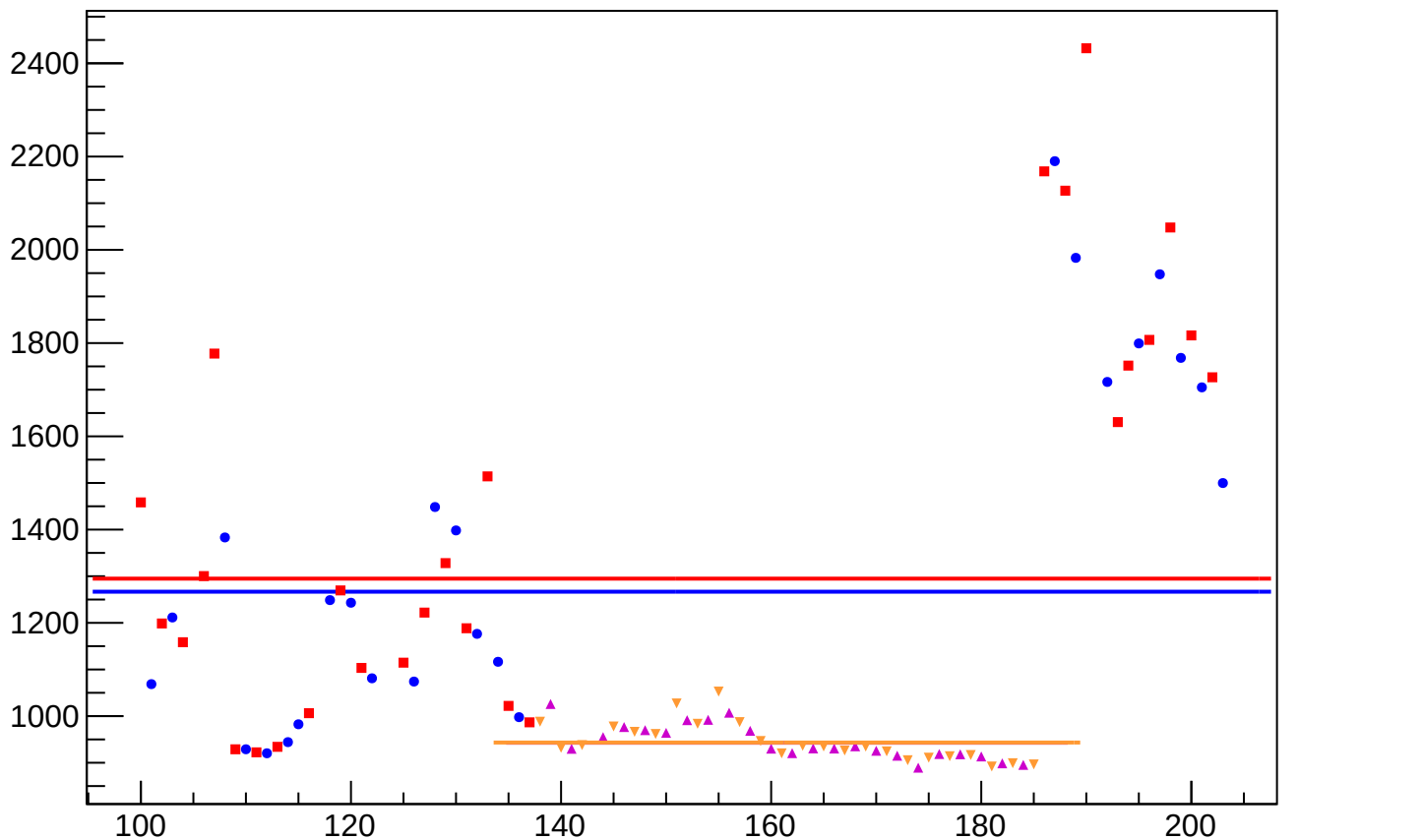
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 219.855 ± 192.629 χ^2/NDF : 63.6/47

All: 264.123 ± 136.344 χ^2/NDF : 99.2/97

- sign 308.567 ± 193.012 χ^2/NDF : 35.6/49

asym_us_dd_rms vs Slug



Right In: 1266.825+/-0.266 χ^2/NDF : 1431775.4/23

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

Right Out: 1294.829+/-0.264 χ^2/NDF : 1987451.6/26

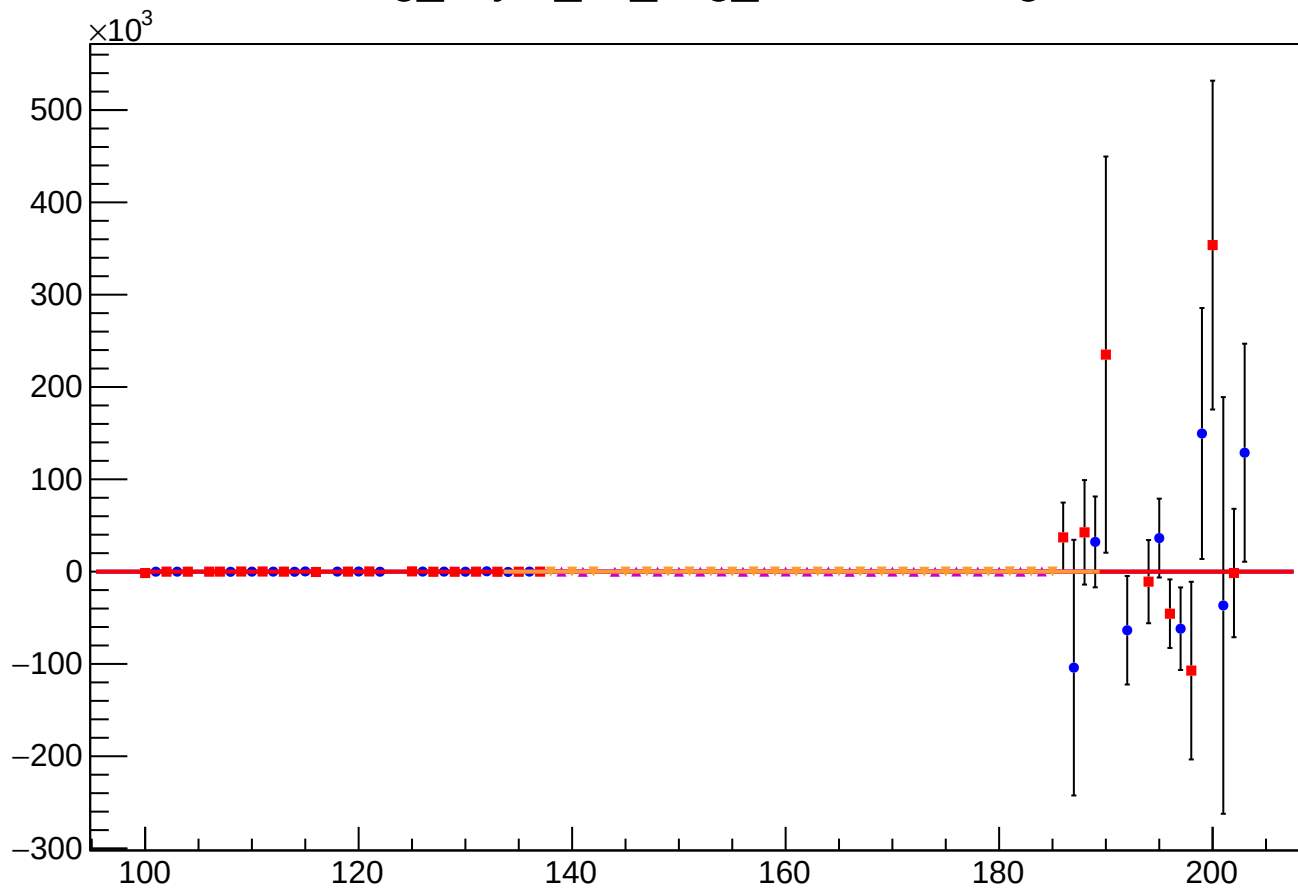
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1028.416+/-0.136 χ^2/NDF : 2585246.4/47

All: 1032.824+/-0.096 χ^2/NDF : 5927539.6/97

- sign 1037.249+/-0.136 χ^2/NDF : 3340194.4/49

reg_asym_ds_avg_mean vs Slug



Right In: -15.556 ± 30.032 χ^2/NDF : 23.2/23

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

Right Out: -31.749 ± 30.492 χ^2/NDF : 26.3/25

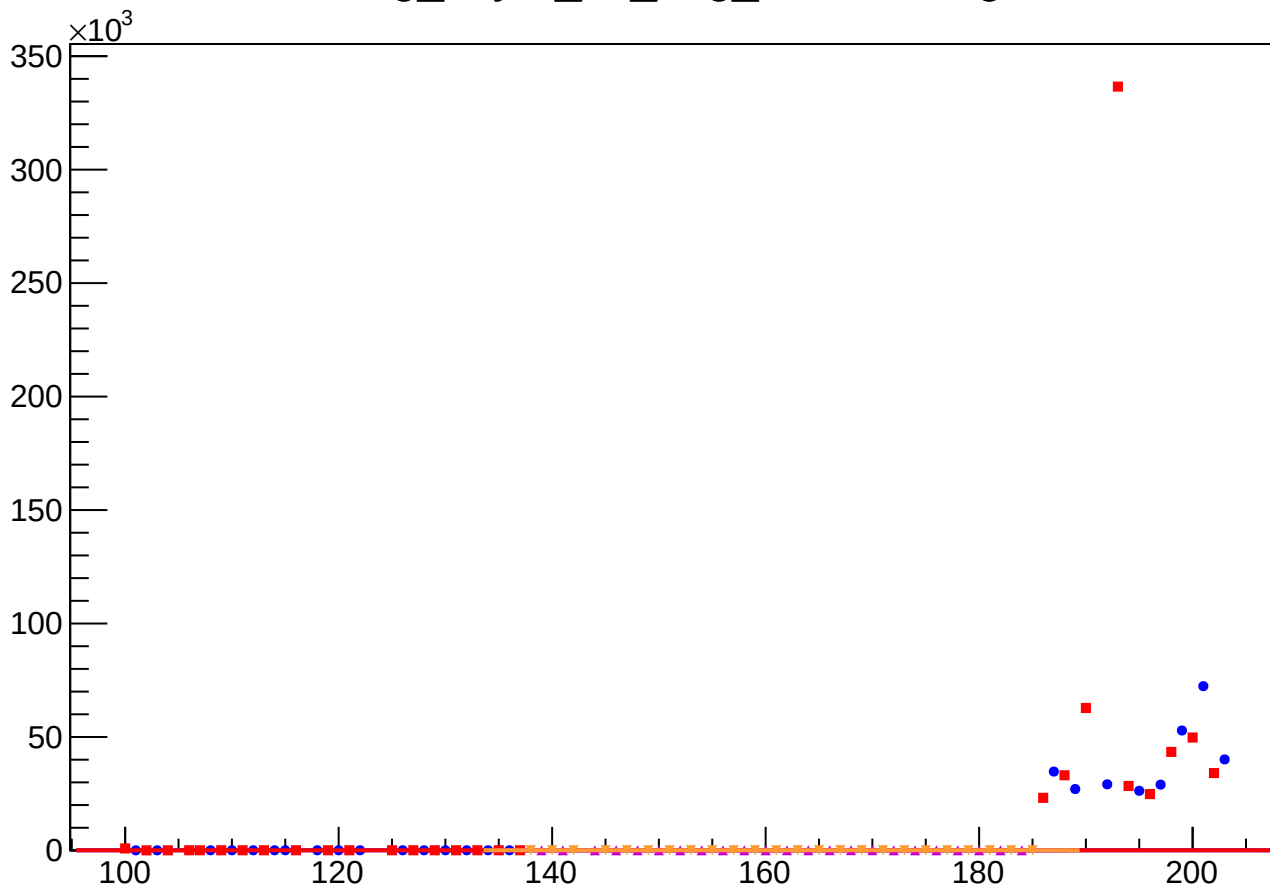
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.805 ± 17.464 χ^2/NDF : 45.9/47

All: 0.904 ± 12.403 χ^2/NDF : 96.9/96

- sign 4.678 ± 17.617 χ^2/NDF : 50.9/48

reg_asym_ds_avg_rms vs Slug



Right In: 76.106 $\pm$ 0.021 χ^2 /NDF: 4066136.9/23

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

Right Out: 79.440 $\pm$ 0.022 χ^2 /NDF: 4838928.9/26

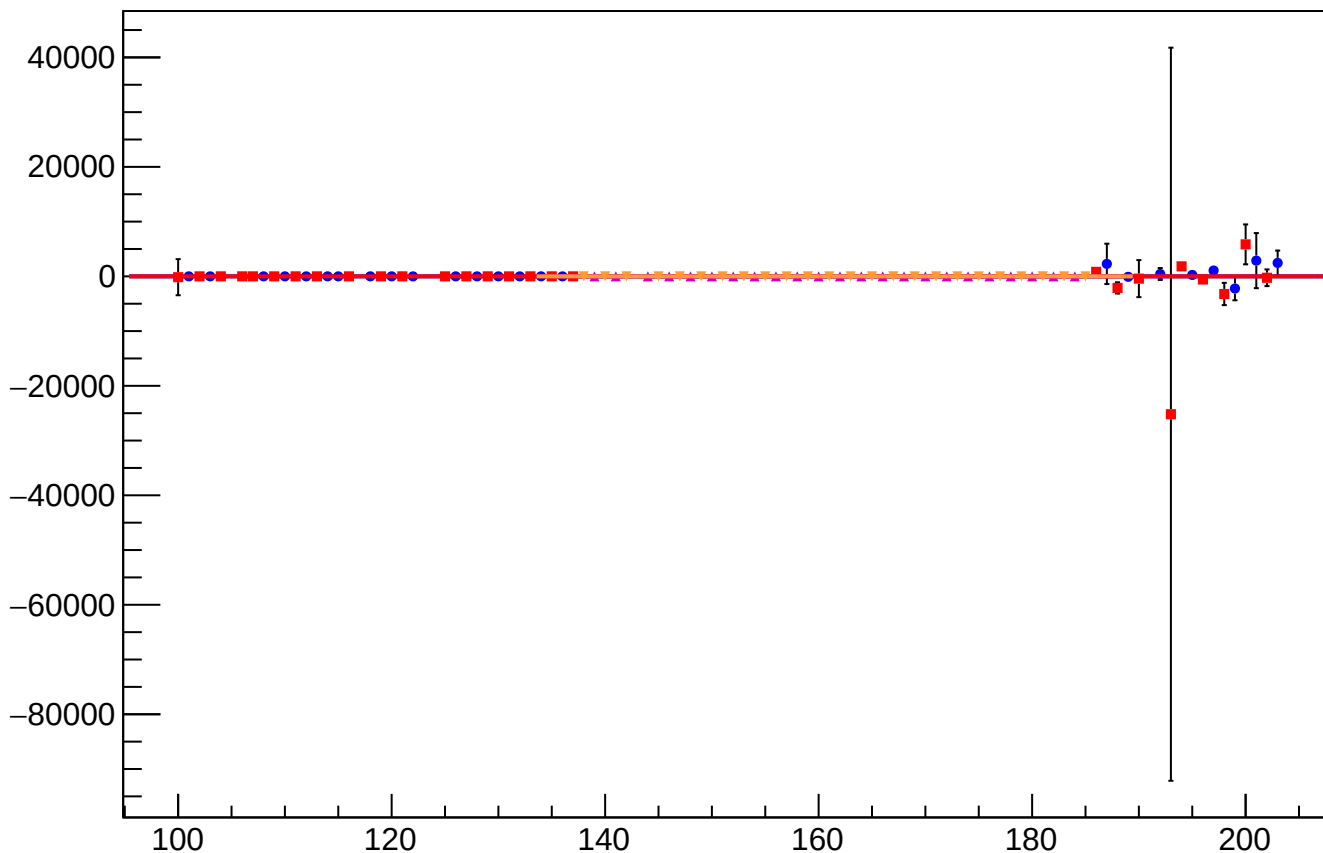
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.098 $\pm$ 0.012 χ^2 /NDF: 4803306.3/47

All: 85.647 $\pm$ 0.009 χ^2 /NDF: 10302527.9/97

- sign 86.205 $\pm$ 0.012 χ^2 /NDF: 5495234.0/49

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 ± 0.502 χ^2/NDF : 25.5/23

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

Right Out: -0.038 ± 0.525 χ^2/NDF : 25.4/26

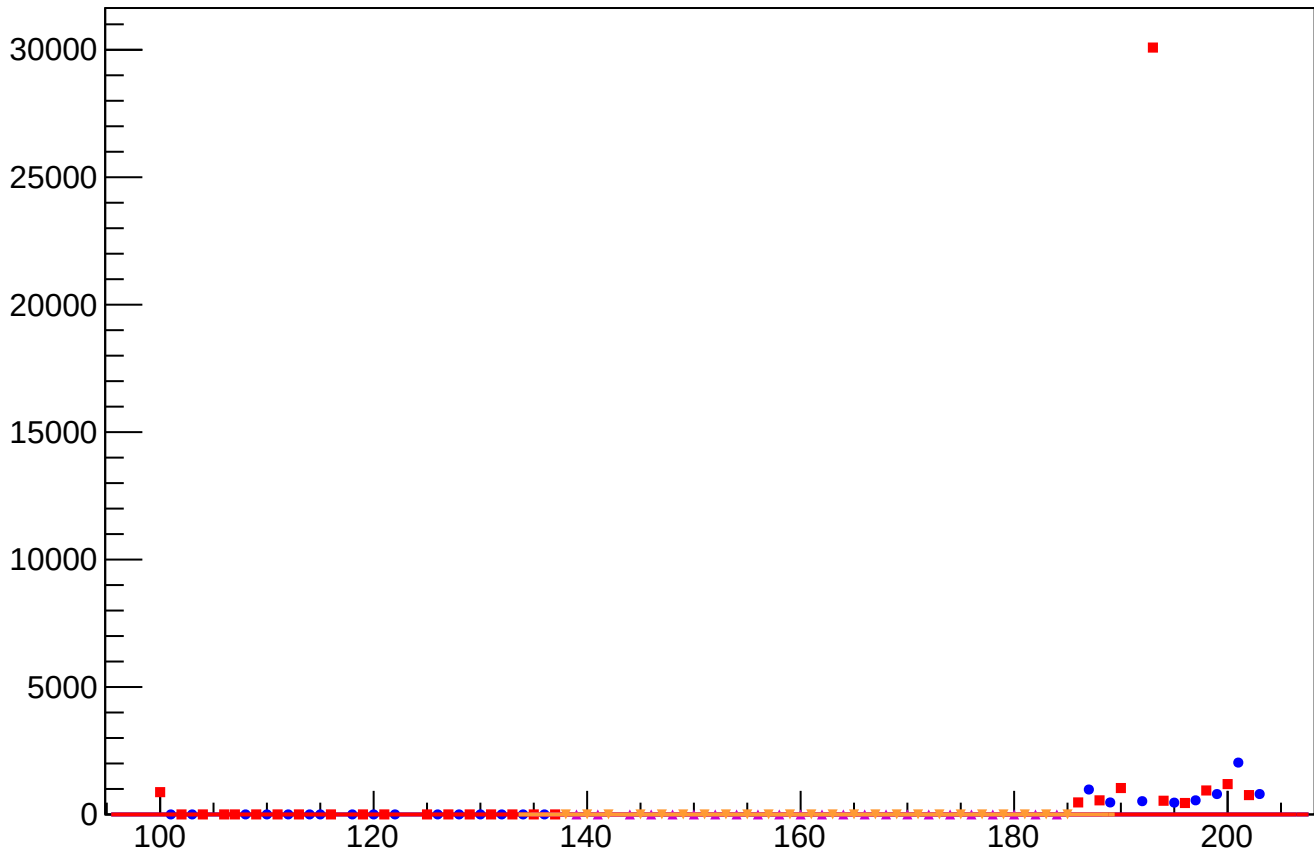
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 47.3/47

All: 0.144 ± 0.217 χ^2/NDF : 100.4/97

- sign 0.323 ± 0.312 χ^2/NDF : 52.5/49

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 3863219.3/23

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

Right Out: 1.260+/-0.000 χ^2/NDF : 4995704.3/26

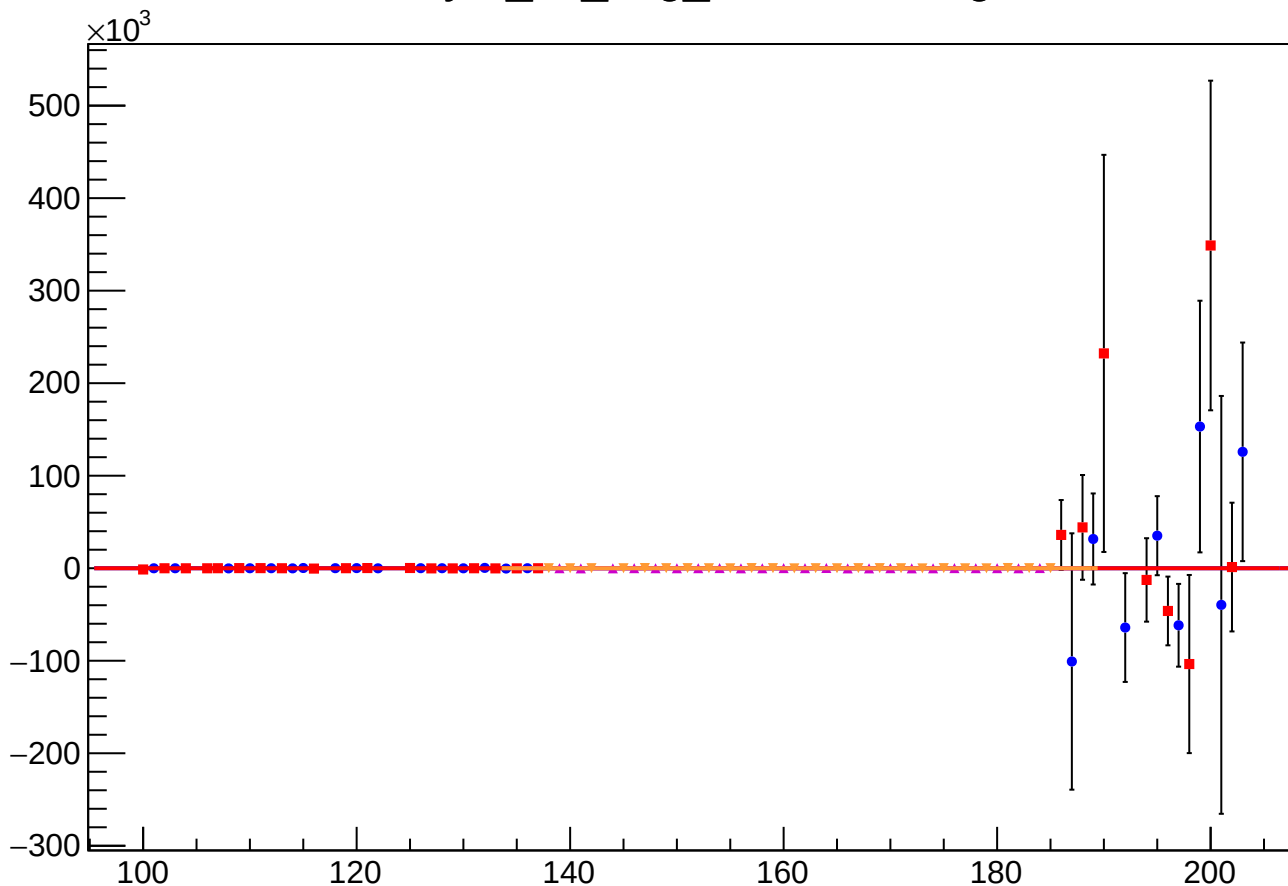
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 5182593.3/47

All: 1.350+/-0.000 χ^2/NDF : 11400342.4/97

- sign 1.385+/-0.000 χ^2/NDF : 6167004.8/49

asym_ds_avg_mean vs Slug



Right In: -14.493 ± 30.040 χ^2/NDF : 23.4/23

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

Right Out: -32.029 ± 30.500 χ^2/NDF : 26.1/25

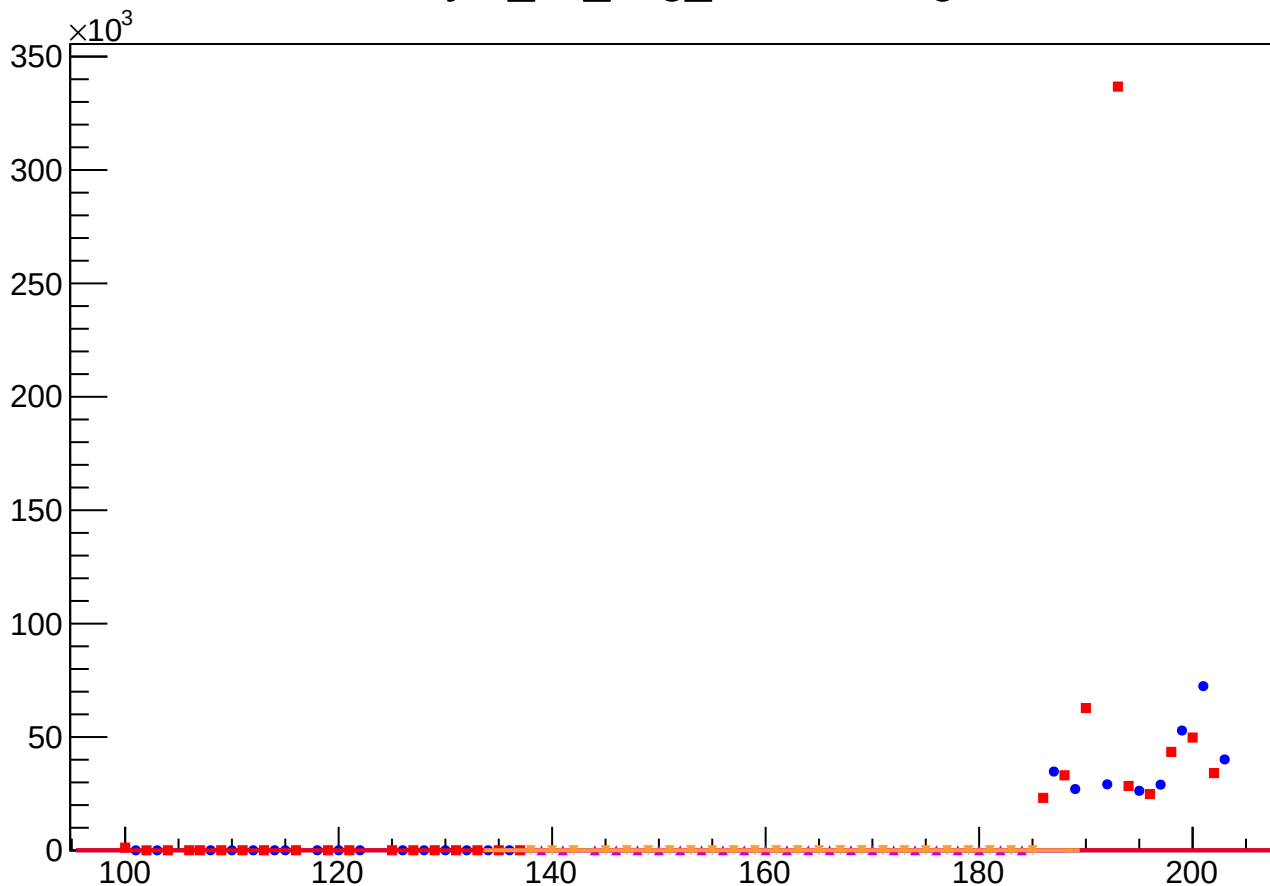
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.587 ± 17.470 χ^2/NDF : 45.7/47

All: 0.807 ± 12.407 χ^2/NDF : 96.3/96

- sign 4.260 ± 17.623 χ^2/NDF : 50.5/48

asym_ds_avg_rms vs Slug



Right In: 76.126 $\pm$ 0.021 χ^2/NDF : 4066254.1/23

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

Right Out: 79.443 $\pm$ 0.022 χ^2/NDF : 4845538.0/26

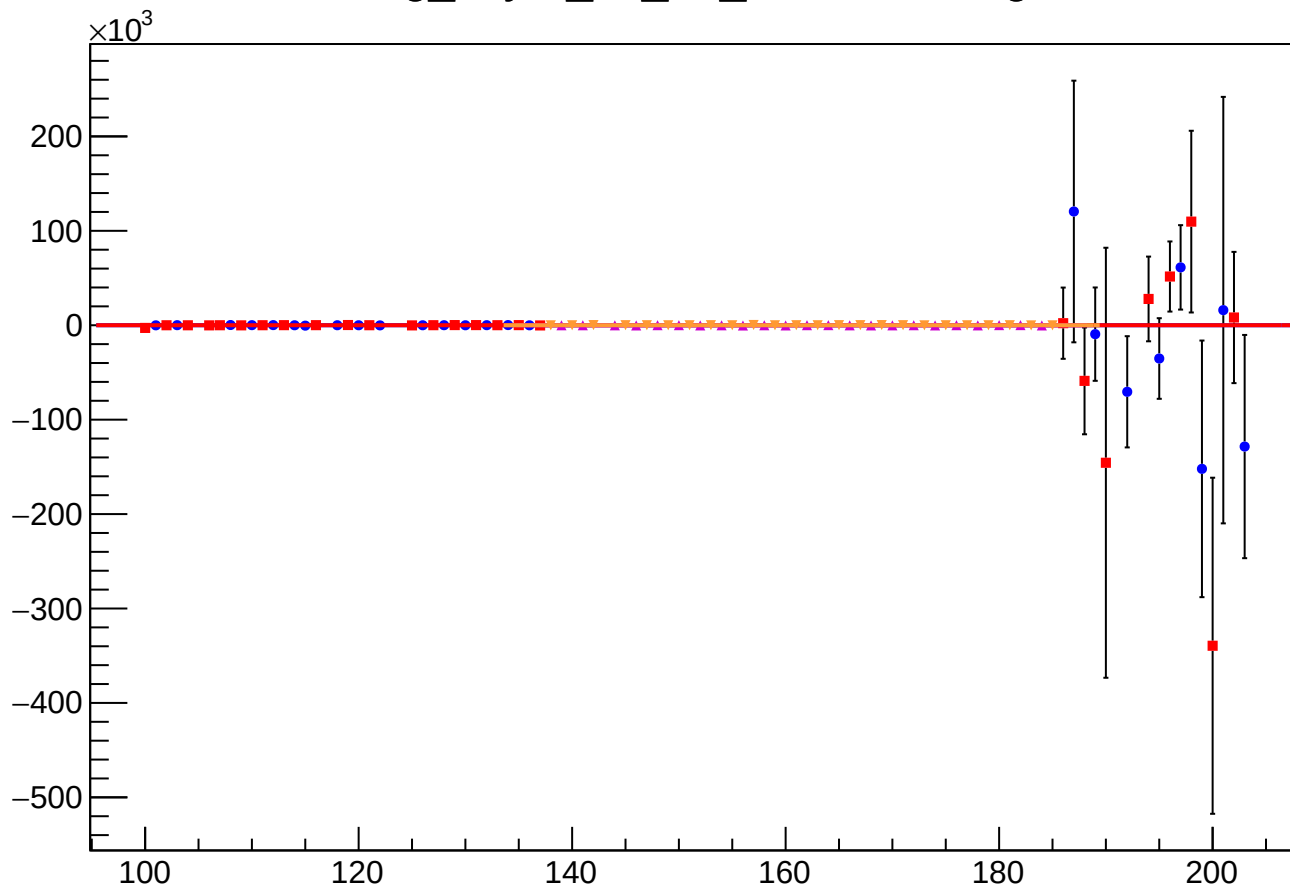
Left In: 89.622 $\pm$ 0.015 χ^2/NDF : 509391.8/22

+ sign 85.122 $\pm$ 0.012 χ^2/NDF : 4804293.4/47

All: 85.668 $\pm$ 0.009 χ^2/NDF : 10311555.2/97

- sign 86.224 $\pm$ 0.012 χ^2/NDF : 5503315.2/49

reg_asym_ds_dd_mean vs Slug



Right In: 8.092 ± 30.012 χ^2/NDF : 21.2/23

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

Right Out: 25.806 ± 30.473 χ^2/NDF : 21.6/25

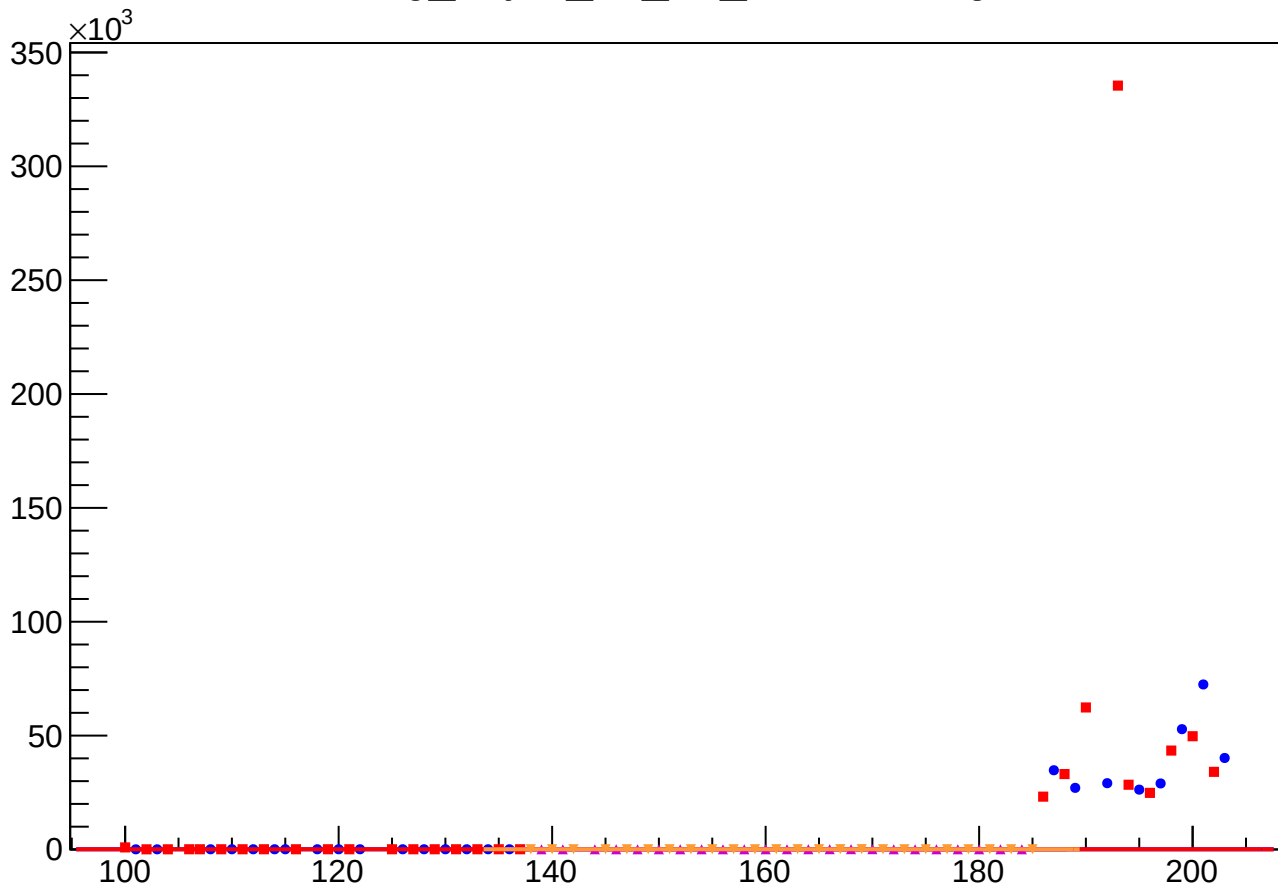
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.842 ± 17.463 χ^2/NDF : 38.5/47

All: -3.573 ± 12.403 χ^2/NDF : 96.7/96

- sign -20.282 ± 17.618 χ^2/NDF : 56.4/48

reg_asym_ds_dd_rms vs Slug



Right In: 76.057 $\pm$ 0.021 χ^2 /NDF: 4065462.5/23

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

Right Out: 79.392 $\pm$ 0.022 χ^2 /NDF: 4838226.6/26

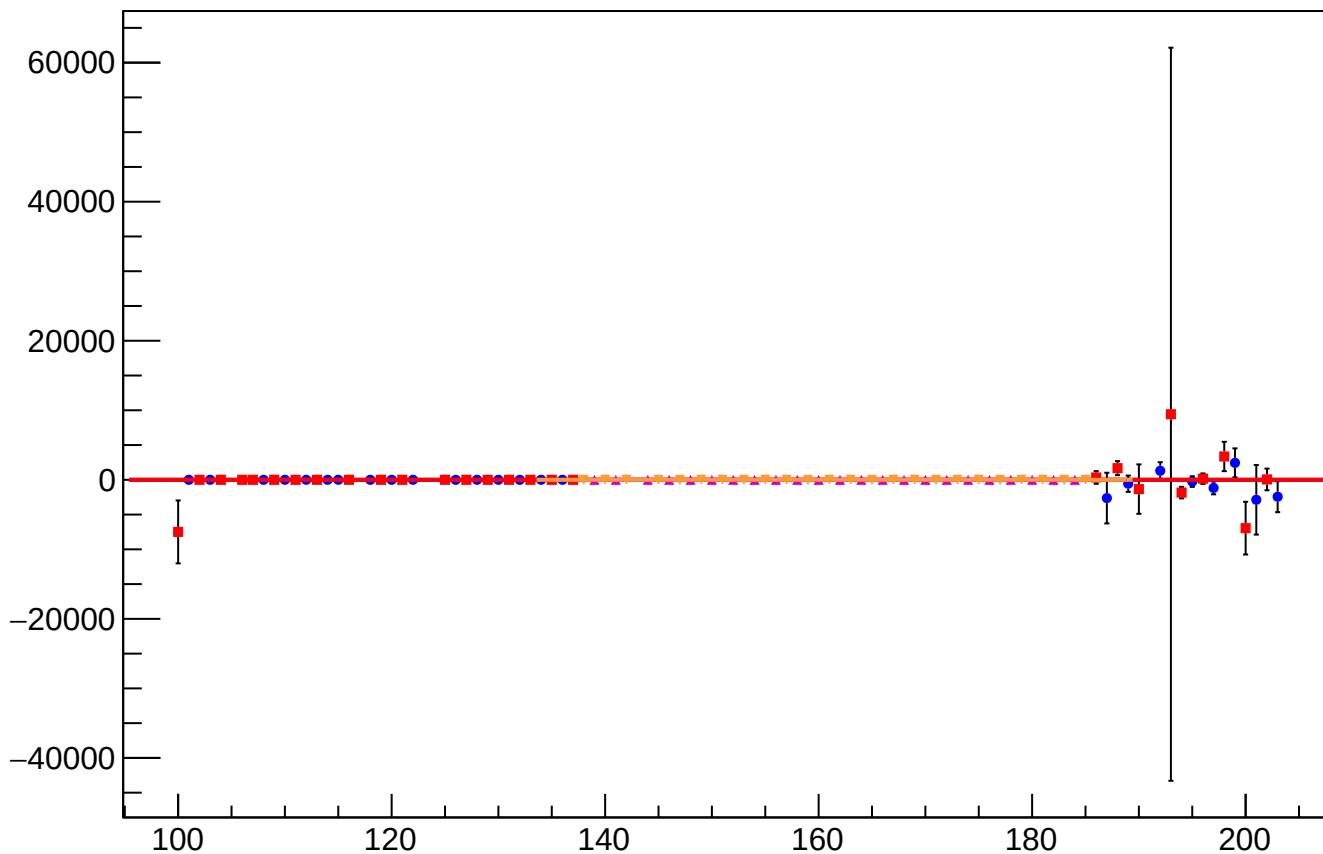
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.089 $\pm$ 0.012 χ^2 /NDF: 4804411.5/47

All: 85.642 $\pm$ 0.009 χ^2 /NDF: 10307972.3/97

- sign 86.206 $\pm$ 0.012 χ^2 /NDF: 5499504.8/49

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 18.4/23

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

Right Out: -0.348 ± 0.549 χ^2/NDF : 27.4/26

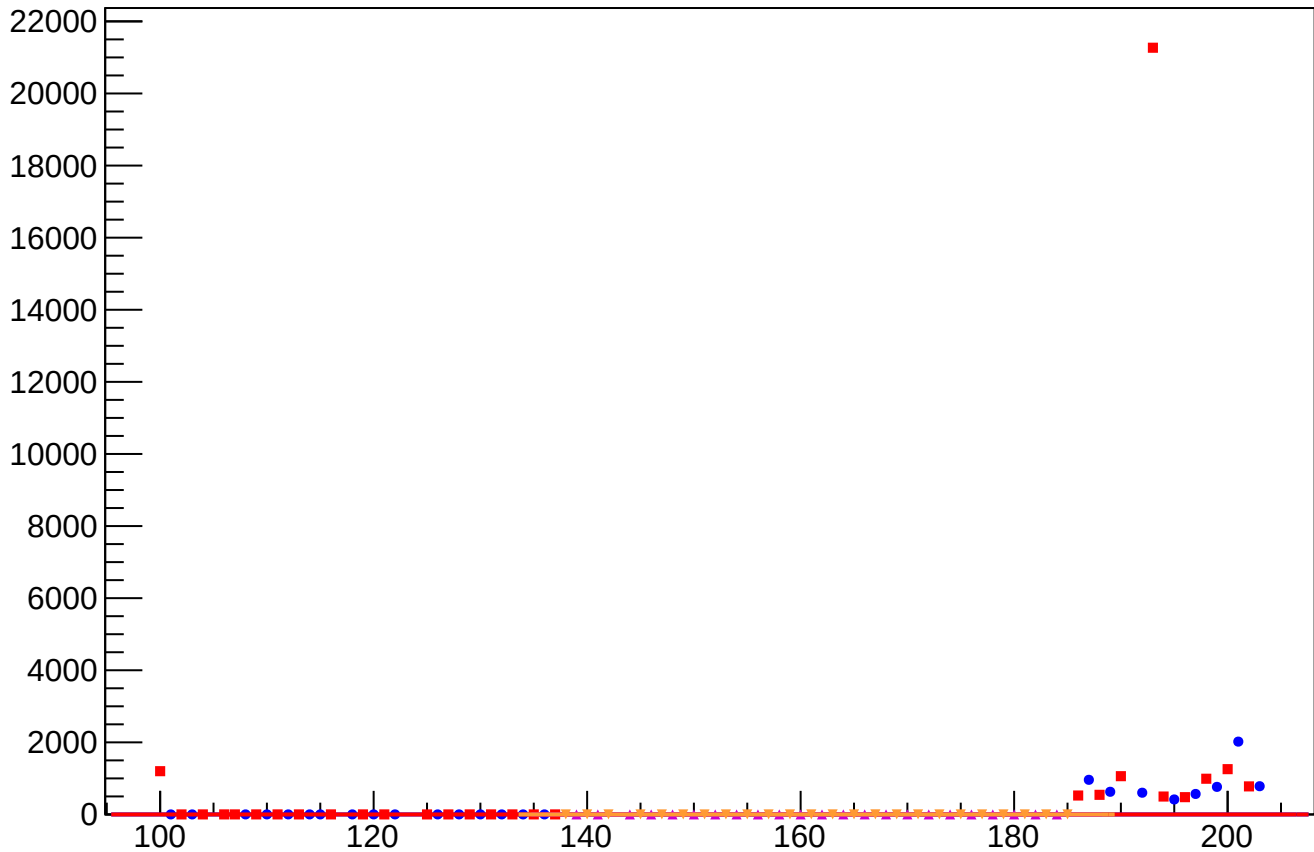
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 43.7/47

All: -0.045 ± 0.224 χ^2/NDF : 91.8/97

- sign -0.069 ± 0.318 χ^2/NDF : 48.1/49

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 3999527.9/23

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

Right Out: 1.316+/-0.000 χ^2/NDF : 4966930.5/26

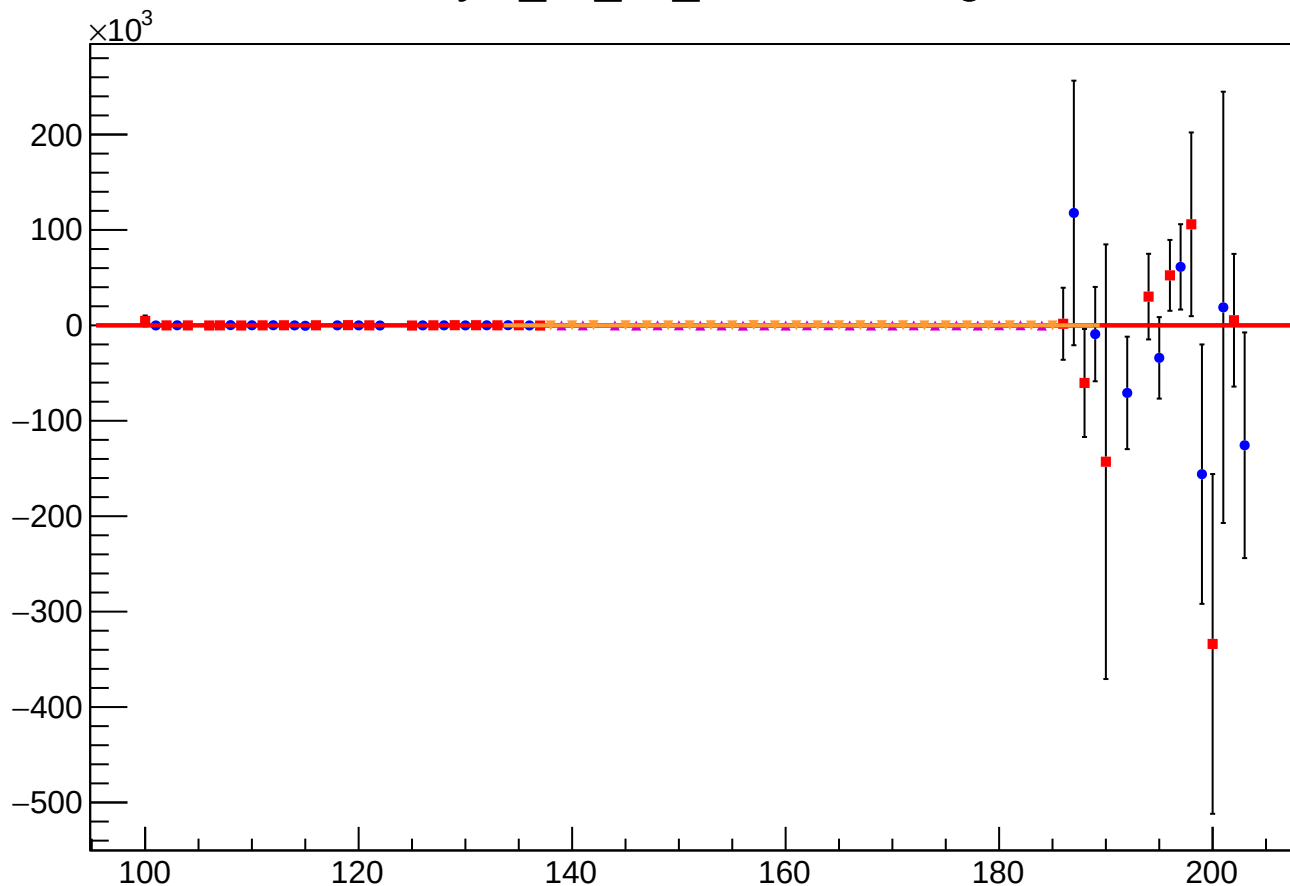
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 5411300.9/47

All: 1.400+/-0.000 χ^2/NDF : 11525486.9/97

- sign 1.412+/-0.000 χ^2/NDF : 6107831.6/49

asym_ds_dd_mean vs Slug



Right In: 7.385 ± 30.020 χ^2/NDF : 21.1/23

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

Right Out: 26.416 ± 30.482 χ^2/NDF : 21.7/25

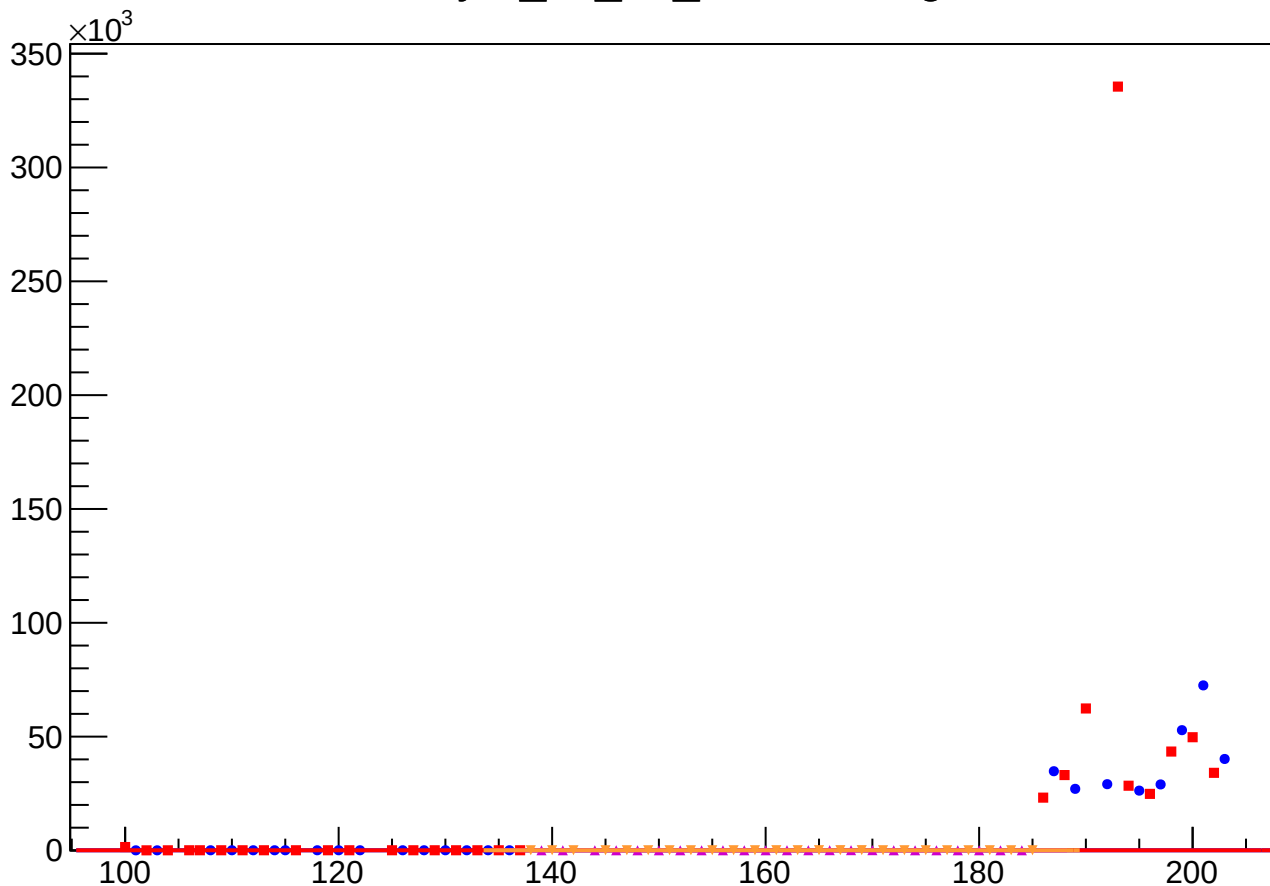
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.931 ± 17.468 χ^2/NDF : 38.2/47

All: -3.586 ± 12.407 χ^2/NDF : 96.3/96

- sign -20.398 ± 17.624 χ^2/NDF : 56.4/48

asym_ds_dd_rms vs Slug



Right In: 76.077 $\pm$ 0.021 χ^2/NDF : 4065616.5/23

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

Right Out: 79.388 $\pm$ 0.022 χ^2/NDF : 4847555.9/26

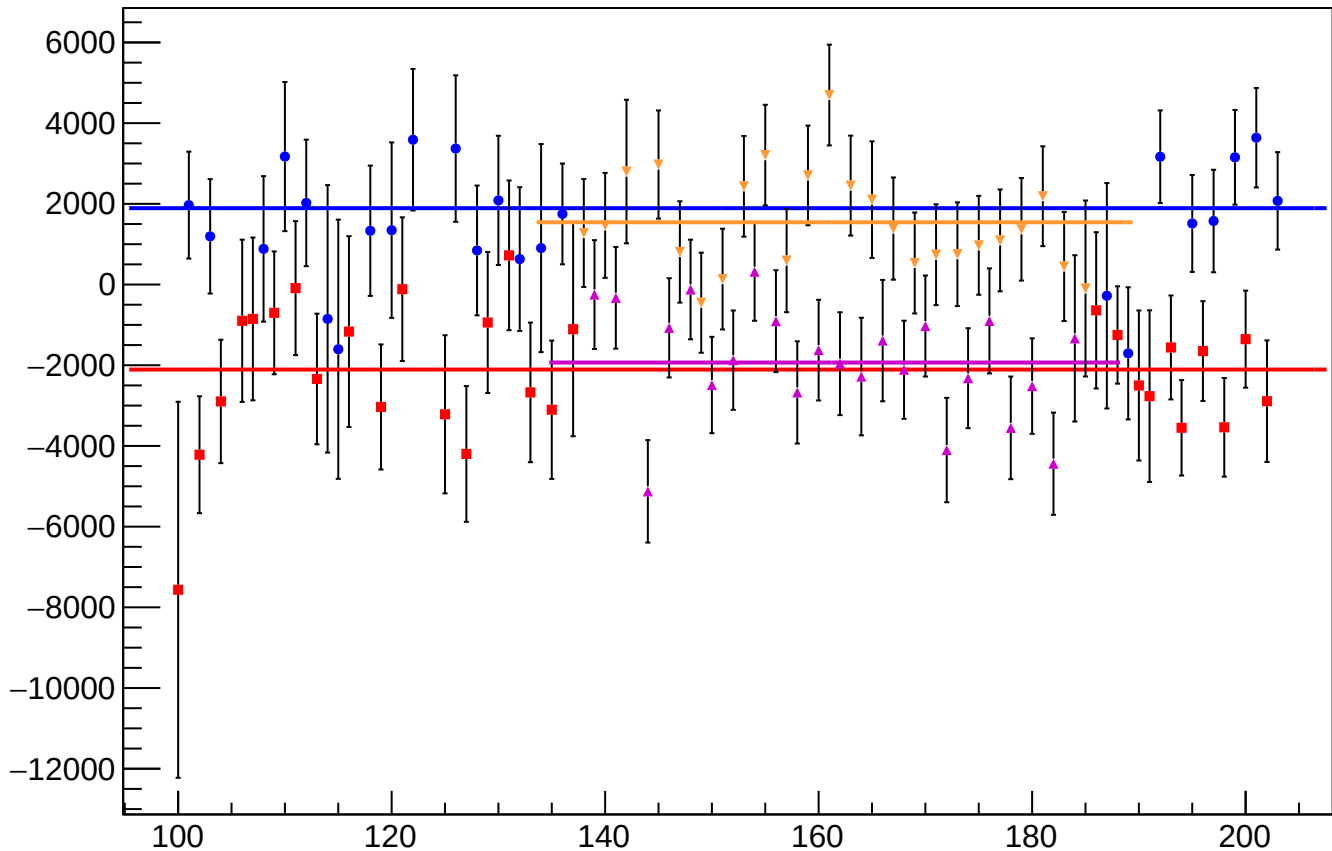
Left In: 89.655 $\pm$ 0.015 χ^2/NDF : 511848.9/22

+ sign 85.114 $\pm$ 0.012 χ^2/NDF : 4805438.2/47

All: 85.663 $\pm$ 0.009 χ^2/NDF : 10319868.0/97

- sign 86.223 $\pm$ 0.012 χ^2/NDF : 5510435.8/49

reg_asym_usl_mean vs Slug



Right In: 1892.895 $\pm$ 316.059 χ^2 /NDF: 15.8/23

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

Right Out: -2107.137 $\pm$ 304.085 χ^2 /NDF: 18.9/27

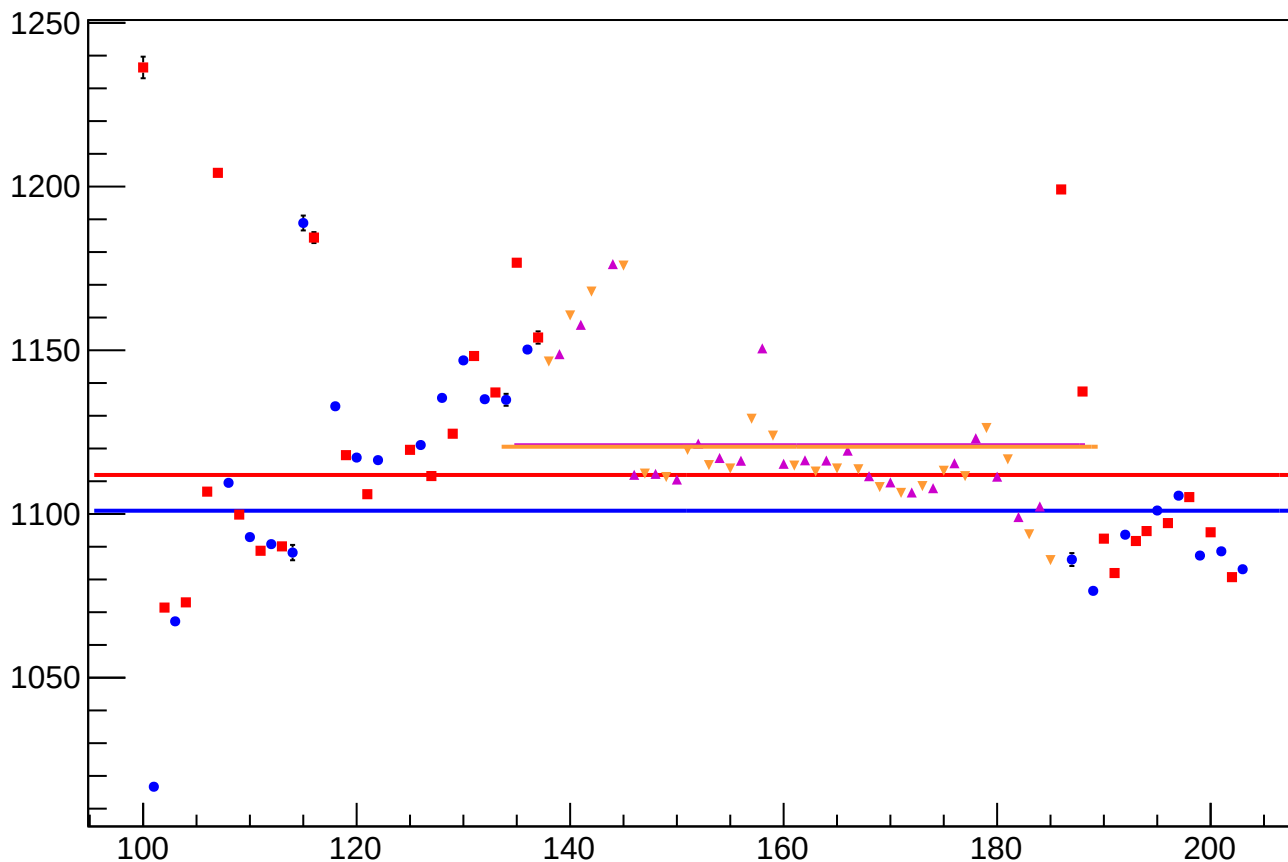
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

+ sign 1688.893 $\pm$ 203.636 χ^2 /NDF: 36.5/47

All: -183.649 $\pm$ 143.073 χ^2 /NDF: 249.6/98

- sign -2009.130 $\pm$ 201.061 χ^2 /NDF: 46.1/50

reg_asym_usl_rms vs Slug



Right In: 1100.998 $\pm$ 0.223 χ^2 /NDF: 20488.5/23

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

Right Out: 1111.918 $\pm$ 0.215 χ^2 /NDF: 24078.3/27

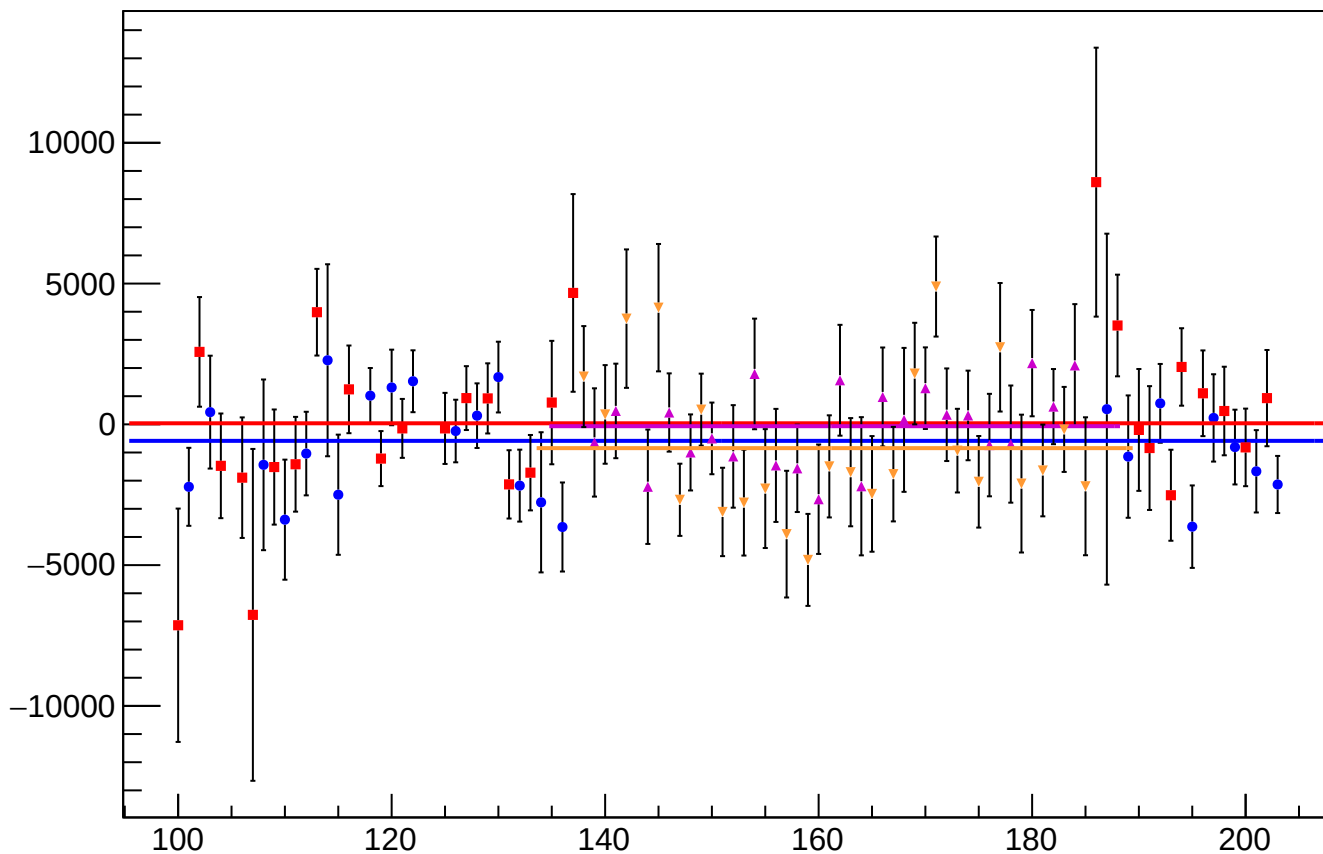
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

+ sign 1112.430 $\pm$ 0.144 χ^2 /NDF: 35214.5/47

All: 1114.756 $\pm$ 0.101 χ^2 /NDF: 70452.2/98

- sign 1117.024 $\pm$ 0.142 χ^2 /NDF: 34722.1/50

asym_usl_correction_mean vs Slug



Right In: -586.283 ± 297.621 $\chi^2/\text{NDF}: 32.0/23$

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

Right Out: 37.596 ± 298.680 $\chi^2/\text{NDF}: 38.5/27$

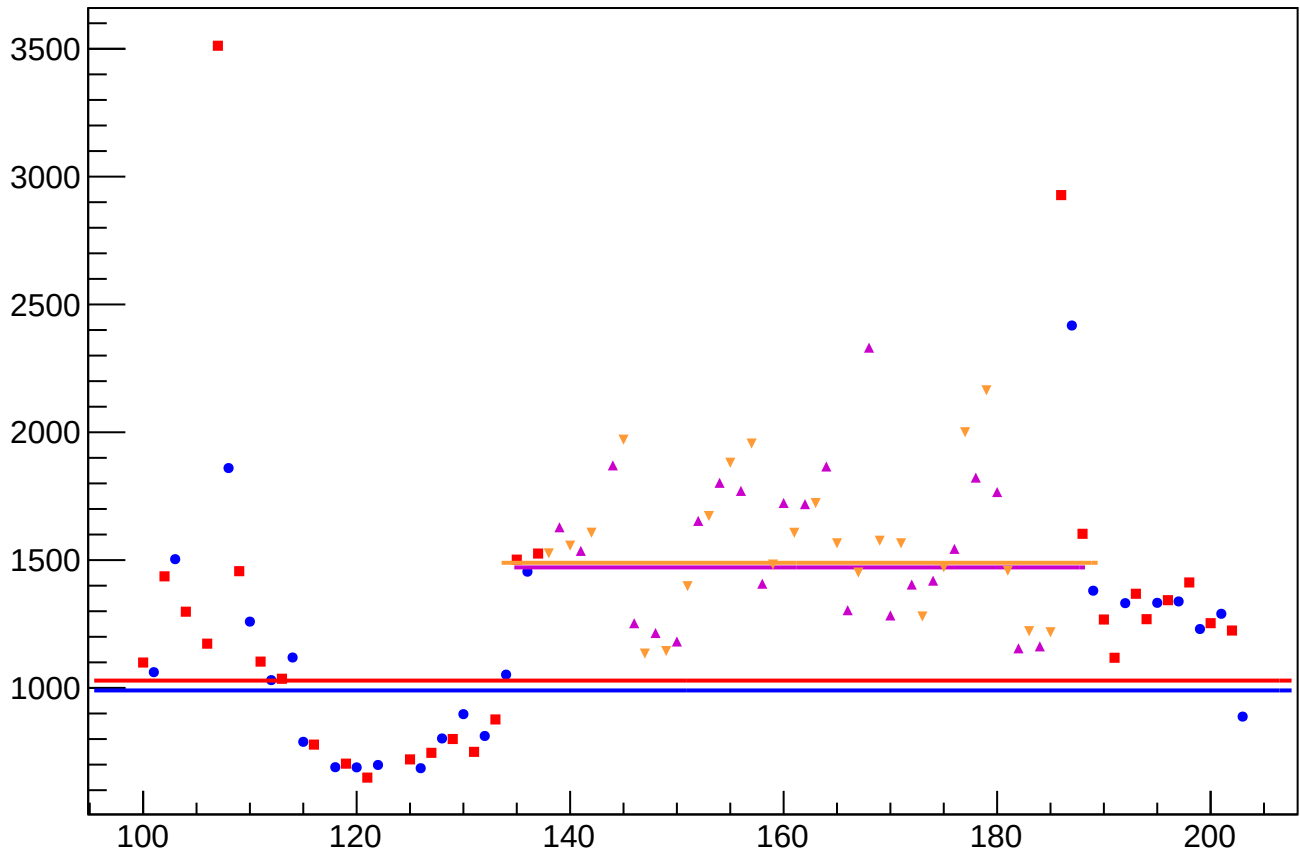
Left In: -65.738 ± 358.785 $\chi^2/\text{NDF}: 12.1/22$

+ sign -690.929 ± 229.677 $\chi^2/\text{NDF}: 75.5/47$

All: -347.625 ± 162.361 $\chi^2/\text{NDF}: 130.7/98$

- sign -4.702 ± 229.549 $\chi^2/\text{NDF}: 50.7/50$

asym_usl_correction_rms vs Slug



Right In: 990.154 $\pm$ 0.210 χ^2 /NDF: 1878644.9/23

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

+ sign 1192.125 $\pm$ 0.162 χ^2 /NDF: 5165064.2/47

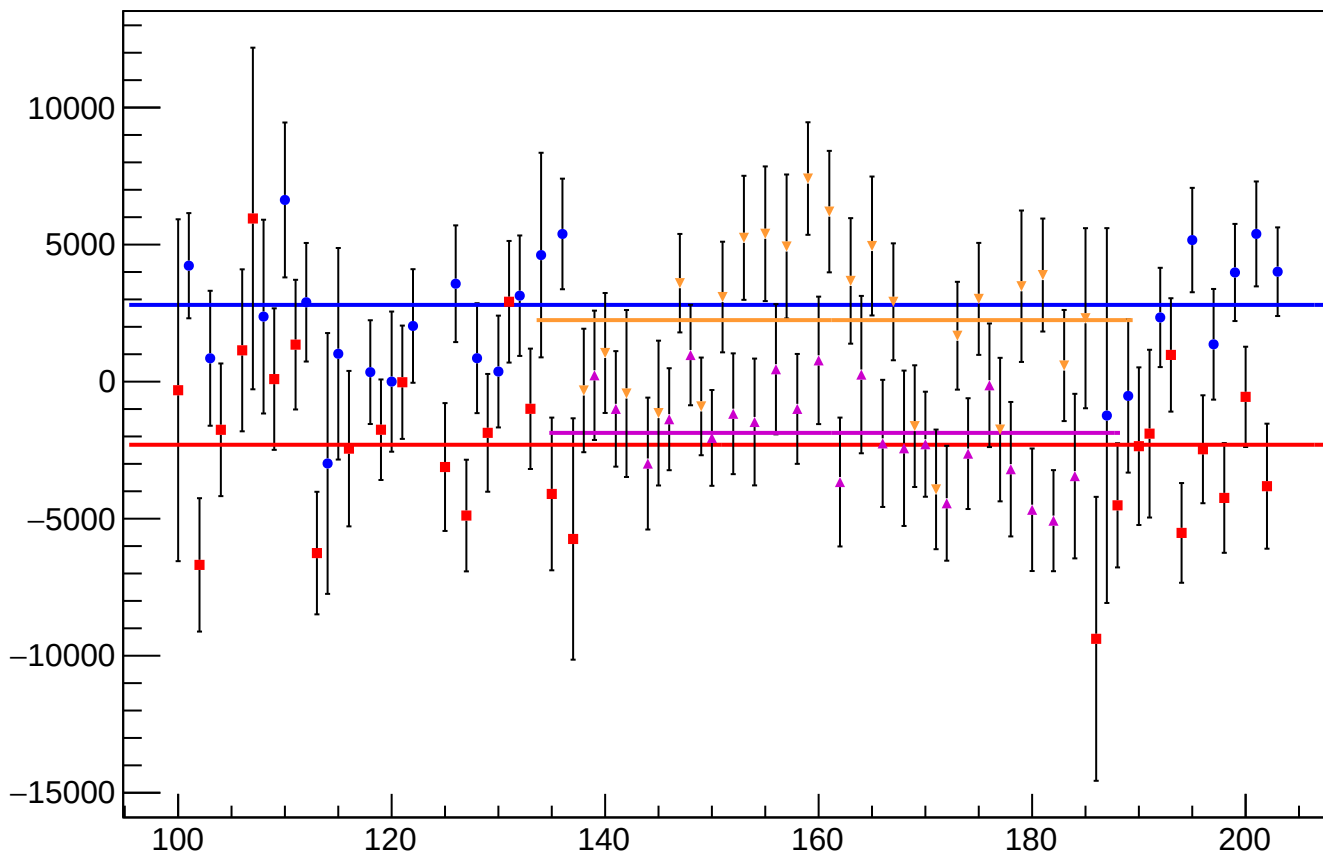
Right Out: 1028.754 $\pm$ 0.211 χ^2 /NDF: 2676796.1/27

All: 1201.039 $\pm$ 0.115 χ^2 /NDF: 10751232.5/50

- sign 1209.943 $\pm$ 0.162 χ^2 /NDF: 5580146.2/50

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

asym_usl_mean vs Slug



Right In: 2800.026 ± 455.734 χ^2/NDF : 18.8/23

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

Right Out: -2302.969 ± 450.998 χ^2/NDF : 33.6/27

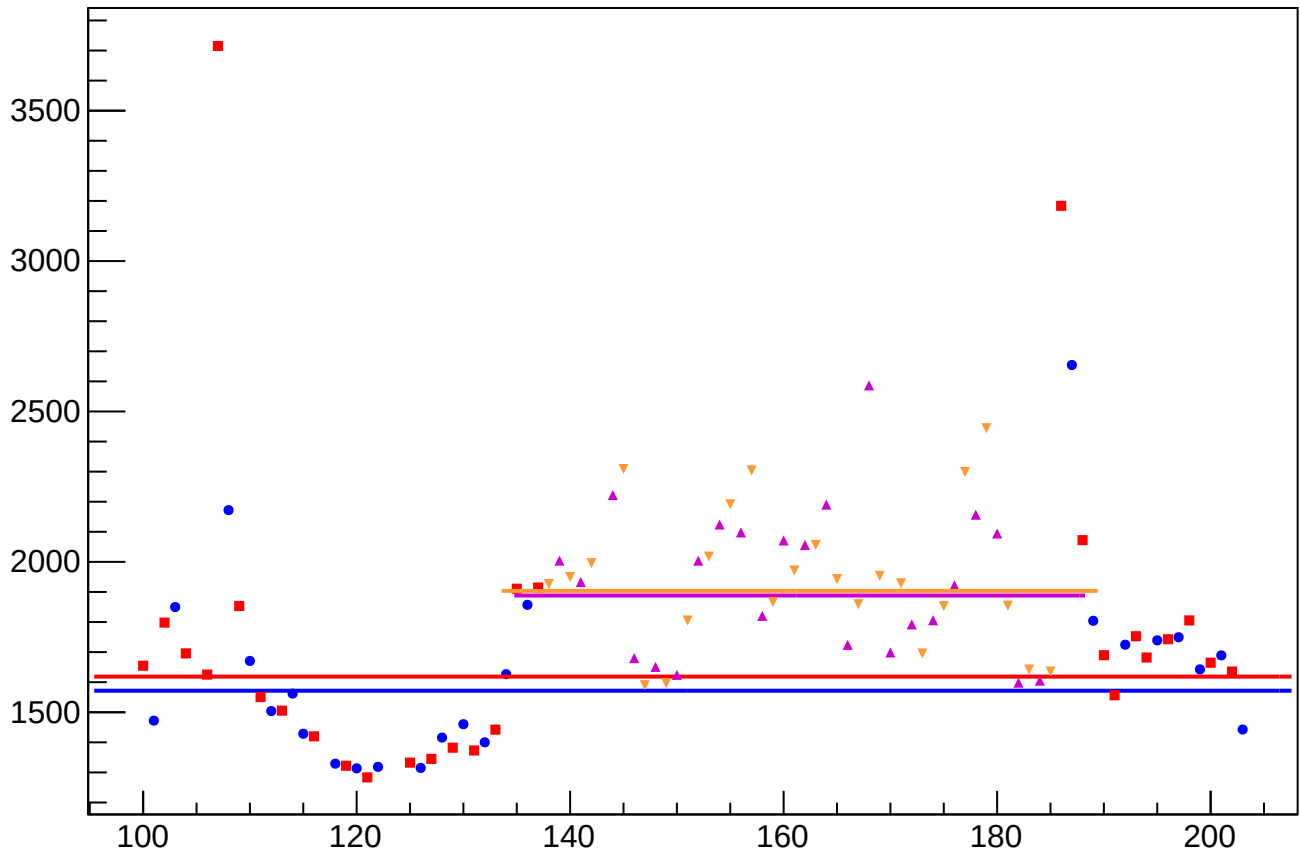
Left In: -1869.792 ± 455.465 χ^2/NDF : 14.9/22

+ sign 2522.671 ± 322.514 χ^2/NDF : 58.2/47

All: 202.428 ± 227.326 χ^2/NDF : 210.0/98

- sign -2088.515 ± 320.471 χ^2/NDF : 49.0/50

asym_usl_rms vs Slug



Right In: 1571.625 $\pm$ 0.322 χ^2 /NDF: 411294.4/23

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

Right Out: 1618.577 $\pm$ 0.319 χ^2 /NDF: 838361.4/27

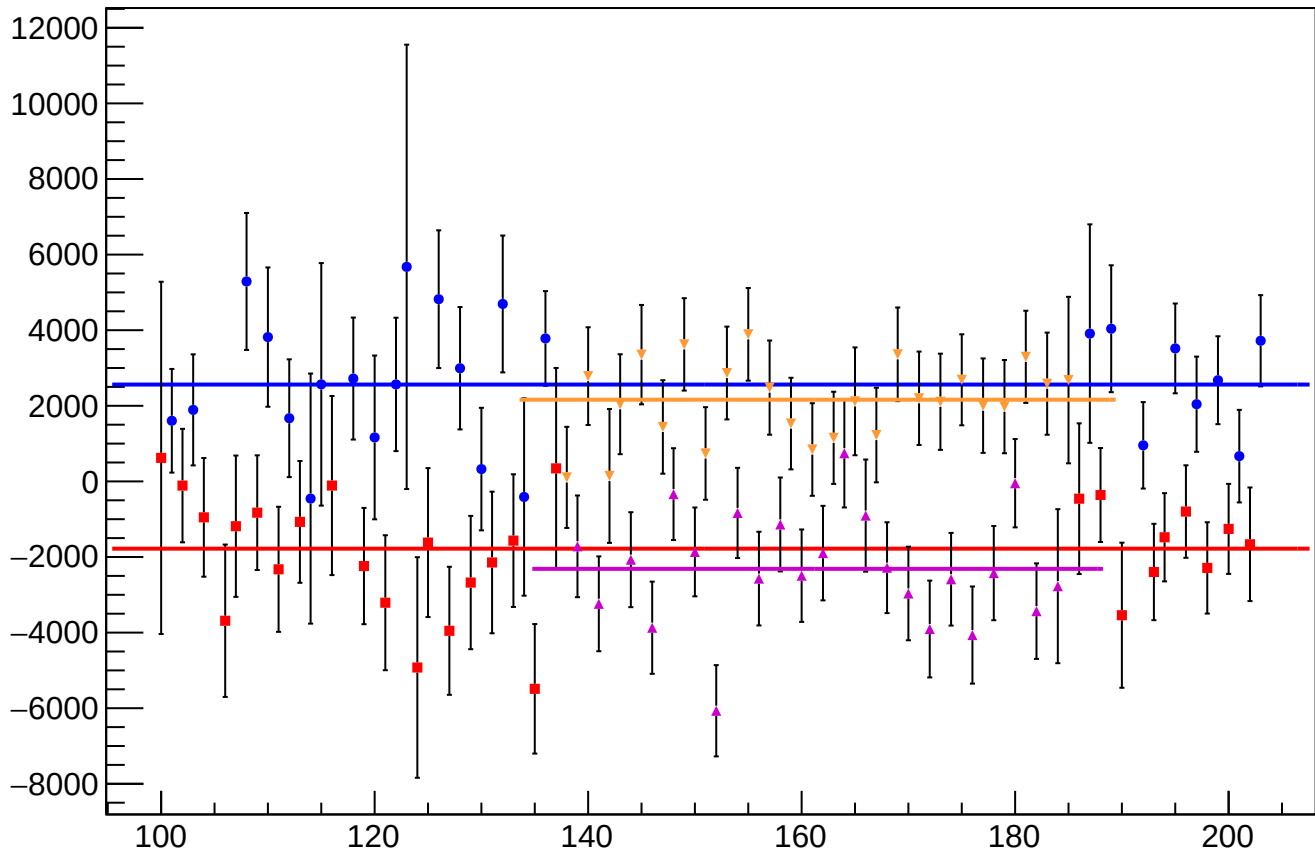
Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

+ sign 1737.334 $\pm$ 0.228 χ^2 /NDF: 1402784.7/47

All: 1744.724 $\pm$ 0.161 χ^2 /NDF: 3101480.2/98

- sign 1752.021 $\pm$ 0.227 χ^2 /NDF: 1696608.3/50

reg_asym_usr_mean vs Slug



Right In: 2562.155+/-316.753 χ^2/NDF : 19.5/24

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

Right Out: -1779.397+/-305.886 χ^2/NDF : 17.1/27

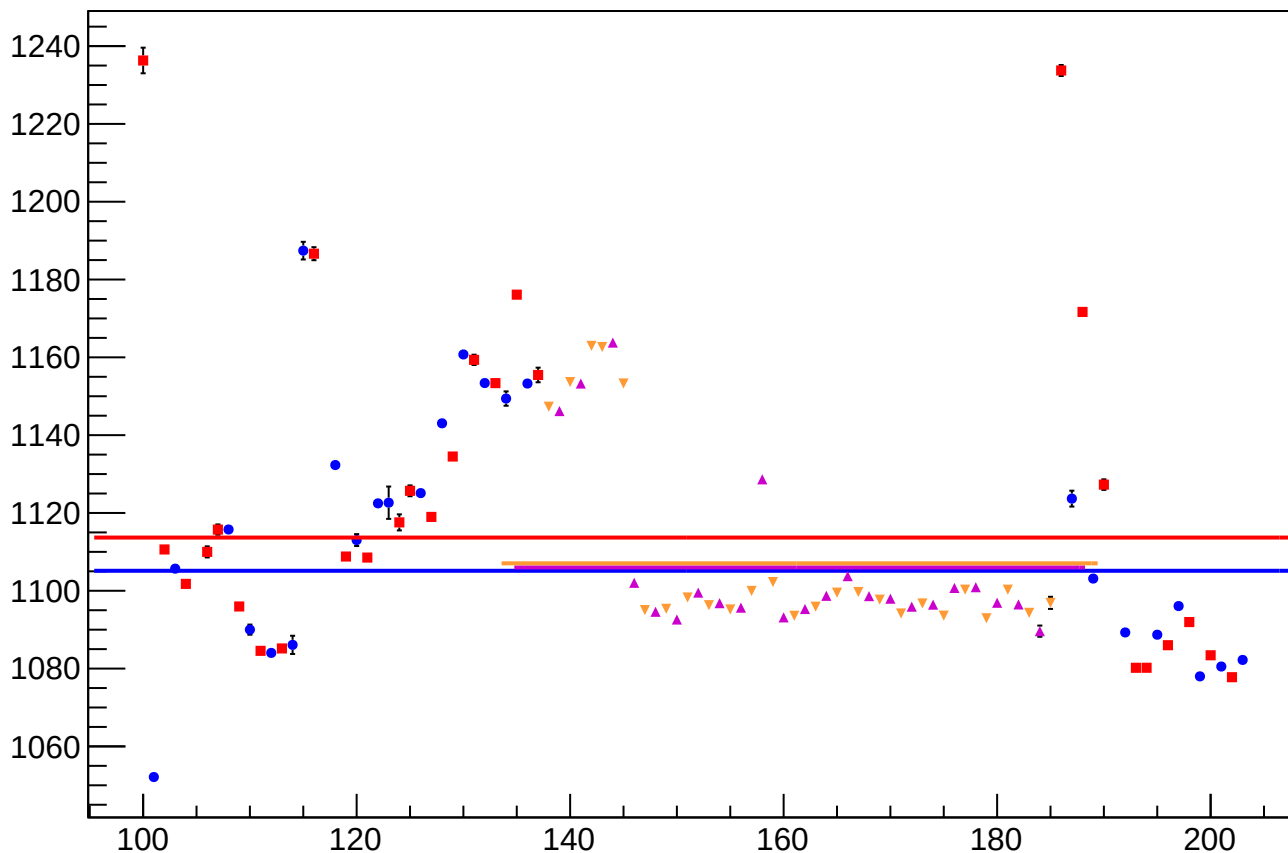
Left In: -2313.505+/-264.429 χ^2/NDF : 31.3/22

+ sign 2320.891+/-199.815 χ^2/NDF : 35.6/49

All: 120.429+/-141.371 χ^2/NDF : 328.5/100

- sign -2085.072+/-200.044 χ^2/NDF : 50.1/50

reg_asym_usr_rms vs Slug



Right In: 1105.137 $\pm$ 0.224 χ^2 /NDF: 17963.3/24

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

Right Out: 1113.679 $\pm$ 0.216 χ^2 /NDF: 29549.0/27

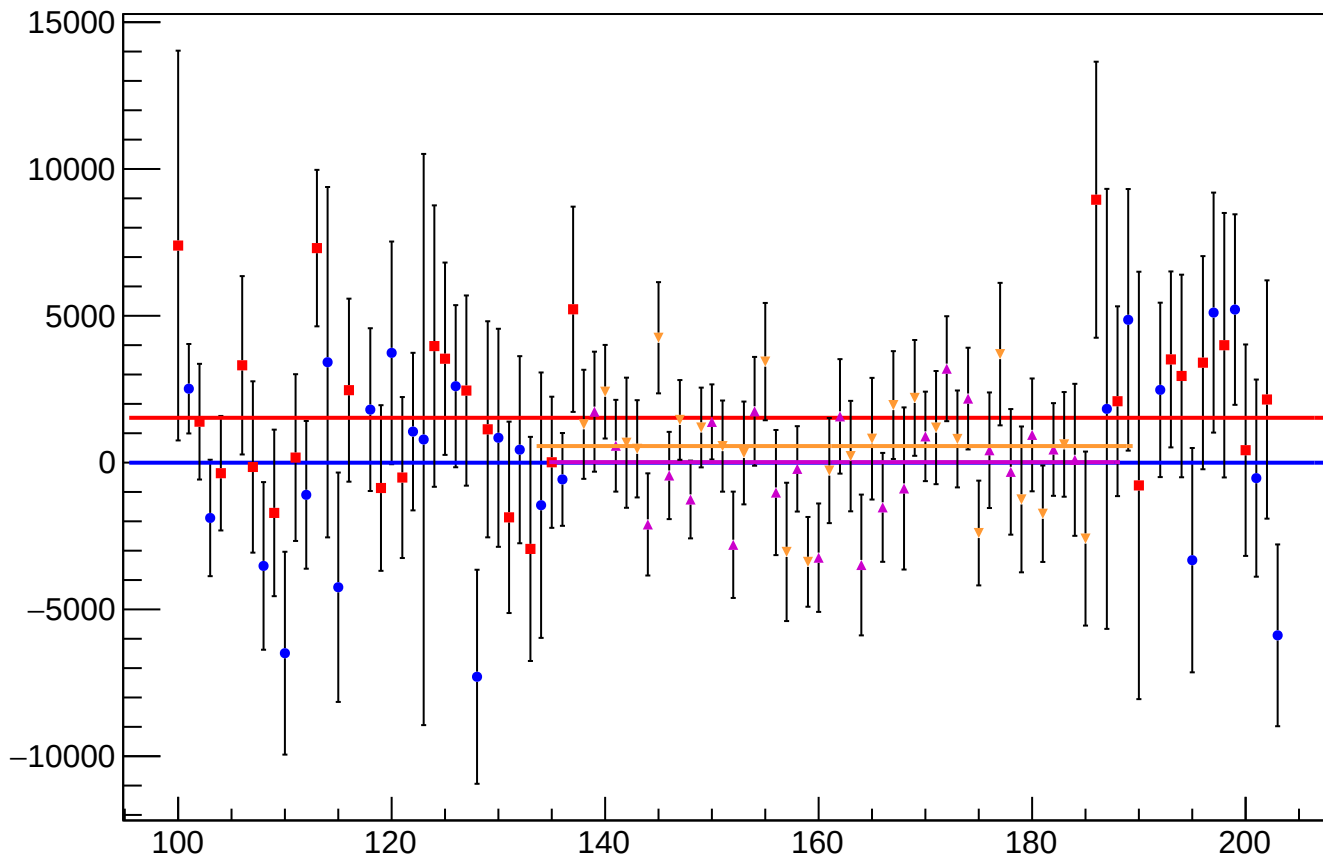
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1106.293 $\pm$ 0.141 χ^2 /NDF: 33183.2/49

All: 1107.786 $\pm$ 0.100 χ^2 /NDF: 75229.1/100

- sign 1109.282 $\pm$ 0.141 χ^2 /NDF: 41822.3/50

asym_usr_correction_mean vs Slug



Right In: -3.417 ± 585.483 χ^2/NDF : 27.6/24

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

Right Out: 1525.894 ± 588.304 χ^2/NDF : 18.7/27

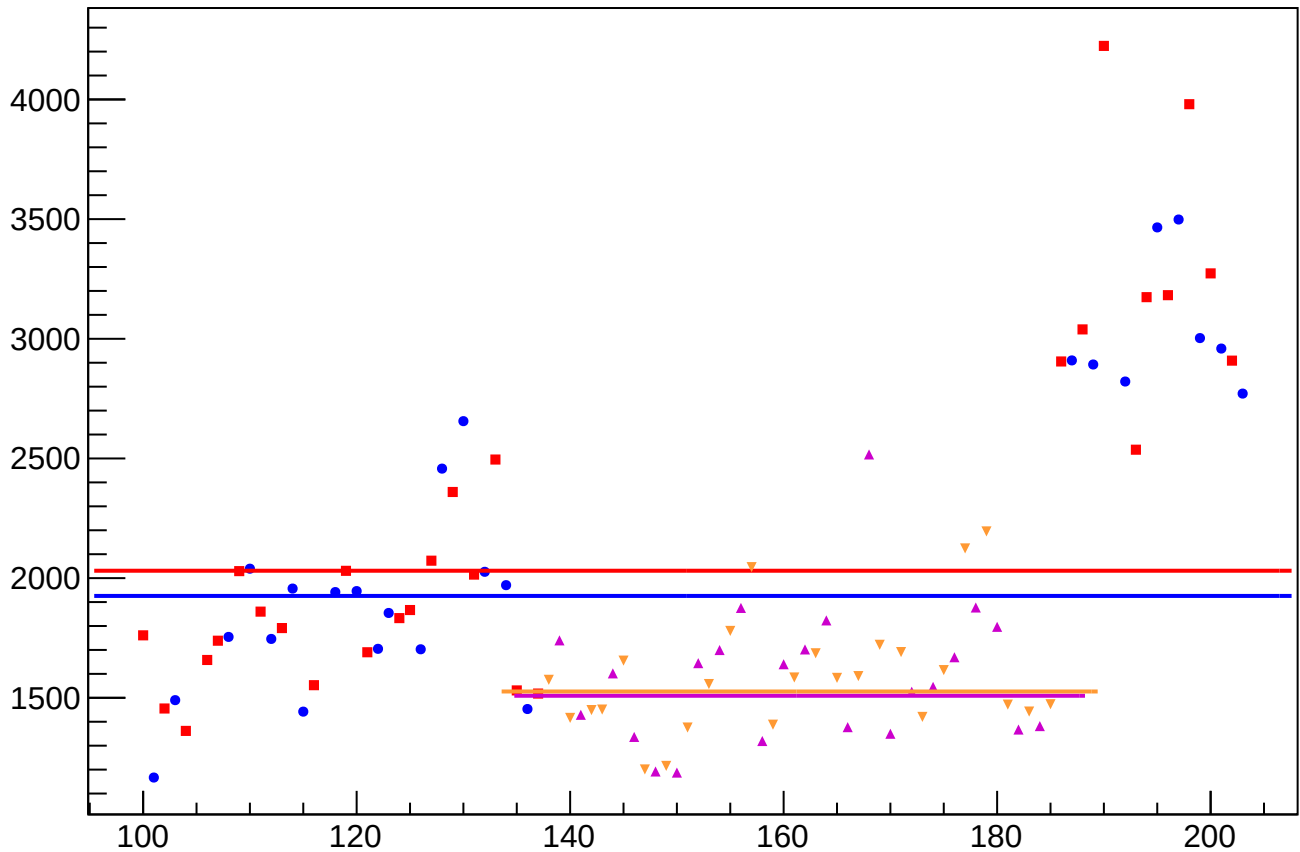
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 407.243 ± 307.223 χ^2/NDF : 55.1/49

All: 422.615 ± 218.663 χ^2/NDF : 98.6/100

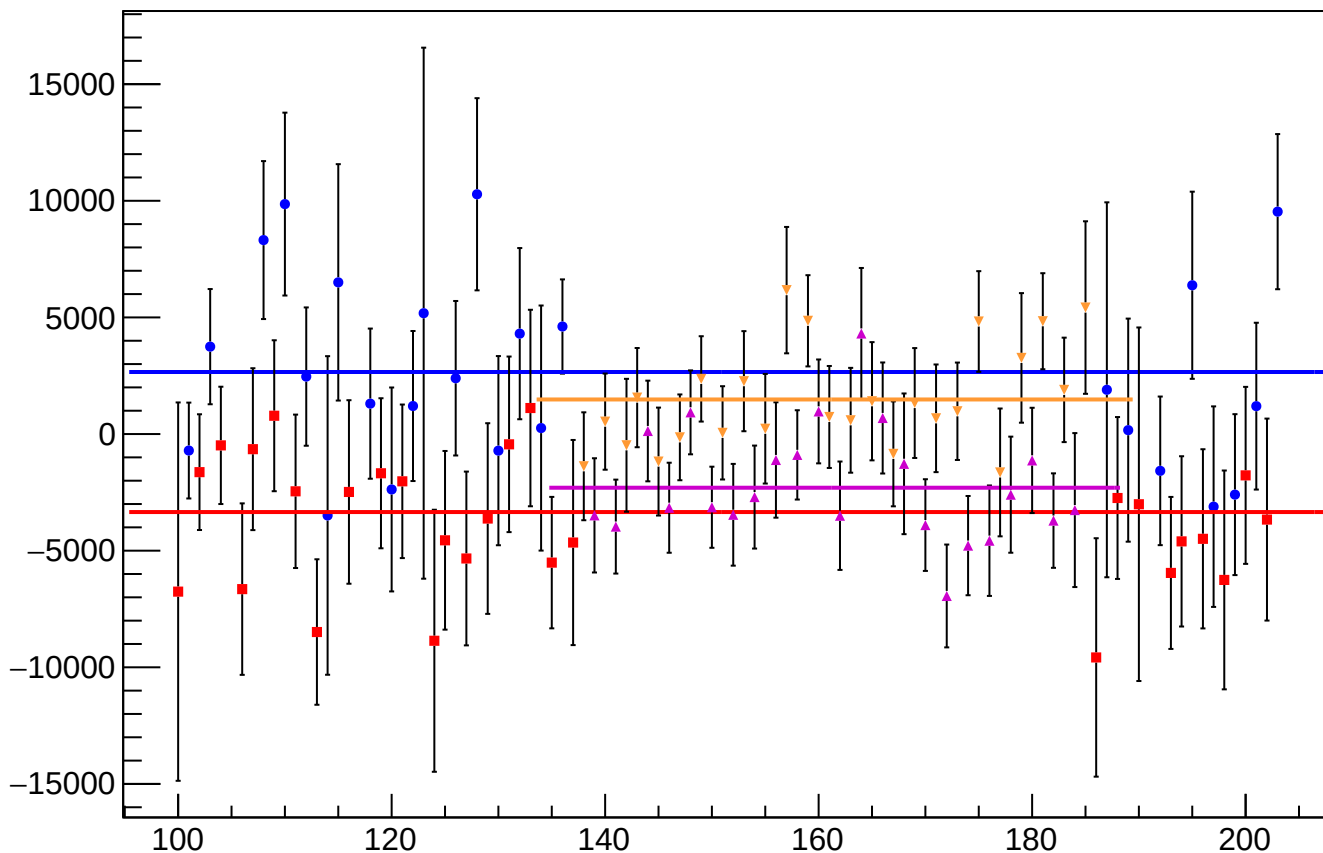
- sign 438.396 ± 311.290 χ^2/NDF : 43.6/50

asym_usr_correction_rms vs Slug



Right In: 1925.679+/-0.414	χ^2/NDF : 2461353.5/24	+ sign 1636.334+/-0.217	χ^2/NDF : 3889138.2/49
Left Out: 1526.391+/-0.255	χ^2/NDF : 753714.4/24	All: 1645.461+/-0.155	χ^2/NDF : 8348082.1/10
Right Out: 2030.937+/-0.416	χ^2/NDF : 2388397.2/27	- sign 1654.831+/-0.220	χ^2/NDF : 4455366.6/50
Left In: 1508.581+/-0.259	χ^2/NDF : 931684.8/22		

asym_usr_mean vs Slug



Right In: 2659.970 ± 694.438 $\chi^2/\text{NDF}: 29.1/24$

Left Out: 1482.365 ± 449.983 $\chi^2/\text{NDF}: 20.9/24$

Right Out: -3343.954 ± 687.170 $\chi^2/\text{NDF}: 14.9/27$

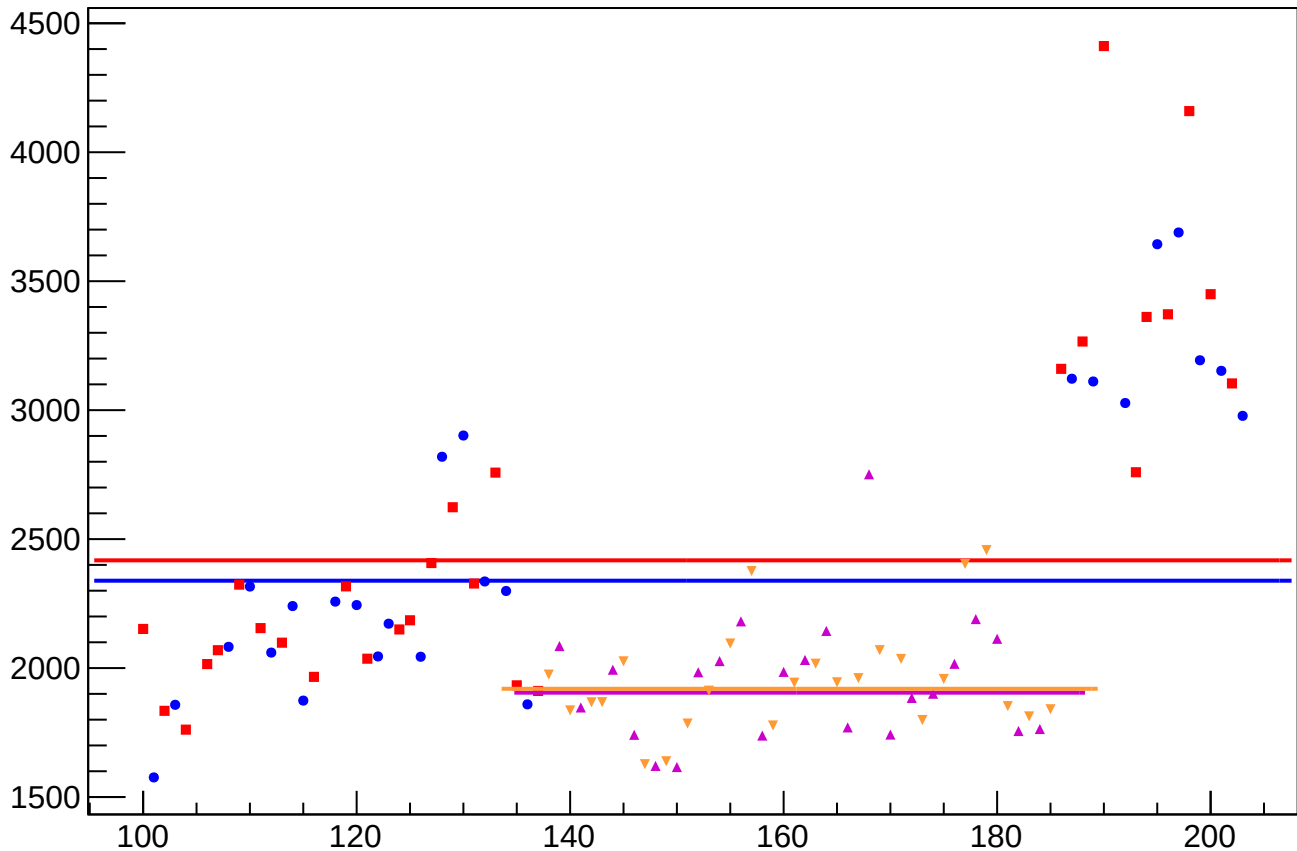
Left In: -2301.247 ± 459.040 $\chi^2/\text{NDF}: 24.8/22$

+ sign 1830.601 ± 377.633 $\chi^2/\text{NDF}: 52.1/49$

All: -372.299 ± 268.456 $\chi^2/\text{NDF}: 162.2/100$

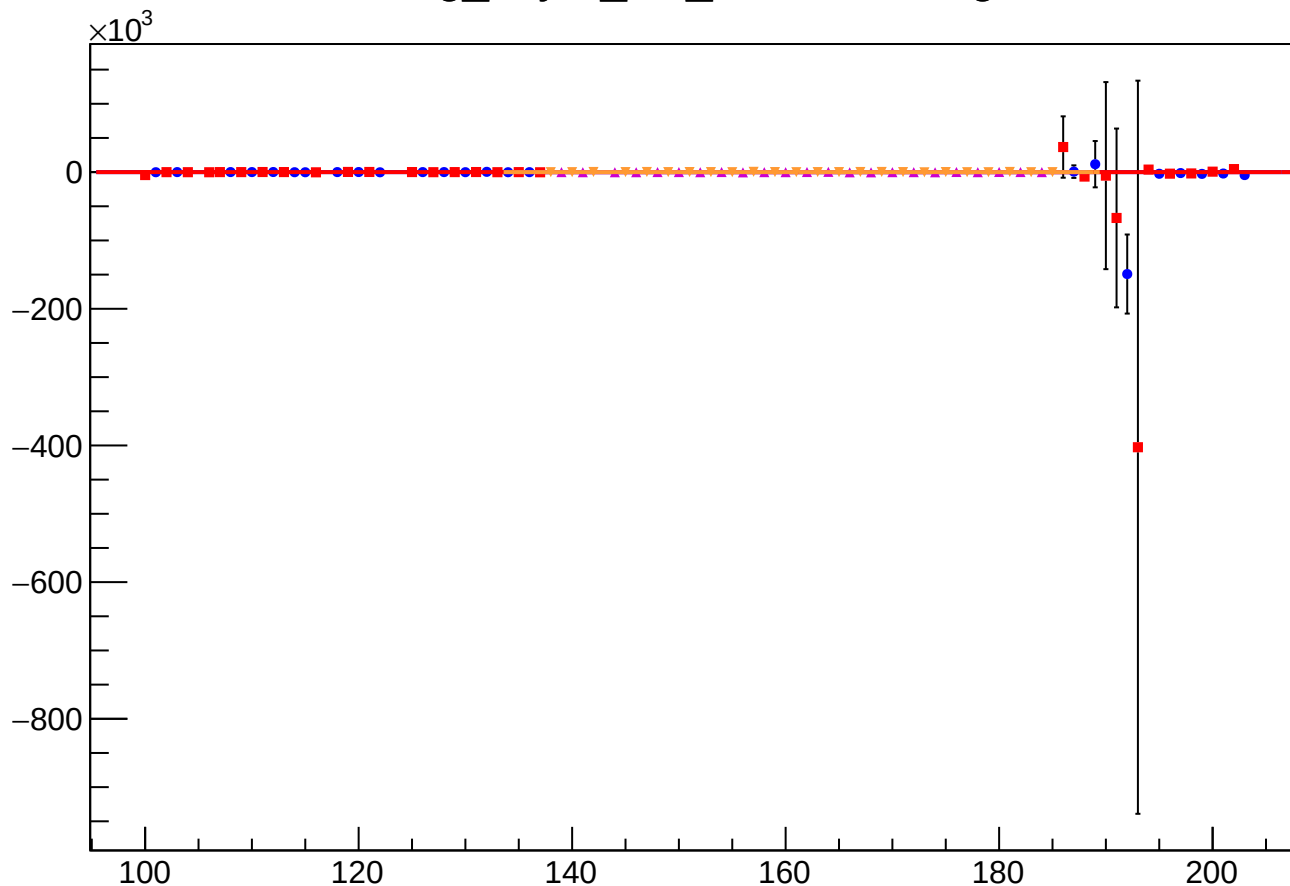
- sign -2622.978 ± 381.707 $\chi^2/\text{NDF}: 41.3/50$

asym_usr_rms vs Slug



Right In: 2338.772 $\pm$ 0.491	χ^2 /NDF: 1485356.3/24	+ sign 2043.648 $\pm$ 0.267	χ^2 /NDF: 2364463.8/49
Left Out: 1919.732 $\pm$ 0.318	χ^2 /NDF: 366218.1/24	All: 2053.188 $\pm$ 0.190	χ^2 /NDF: 5139132.8/10
Right Out: 2417.689 $\pm$ 0.486	χ^2 /NDF: 1553840.3/27	- sign 2062.935 $\pm$ 0.270	χ^2 /NDF: 2772088.5/50
Left In: 1904.629 $\pm$ 0.325	χ^2 /NDF: 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -1.717 ± 36.765 χ^2/NDF : 25.3/23

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

Right Out: -1.712 ± 36.750 χ^2/NDF : 18.1/27

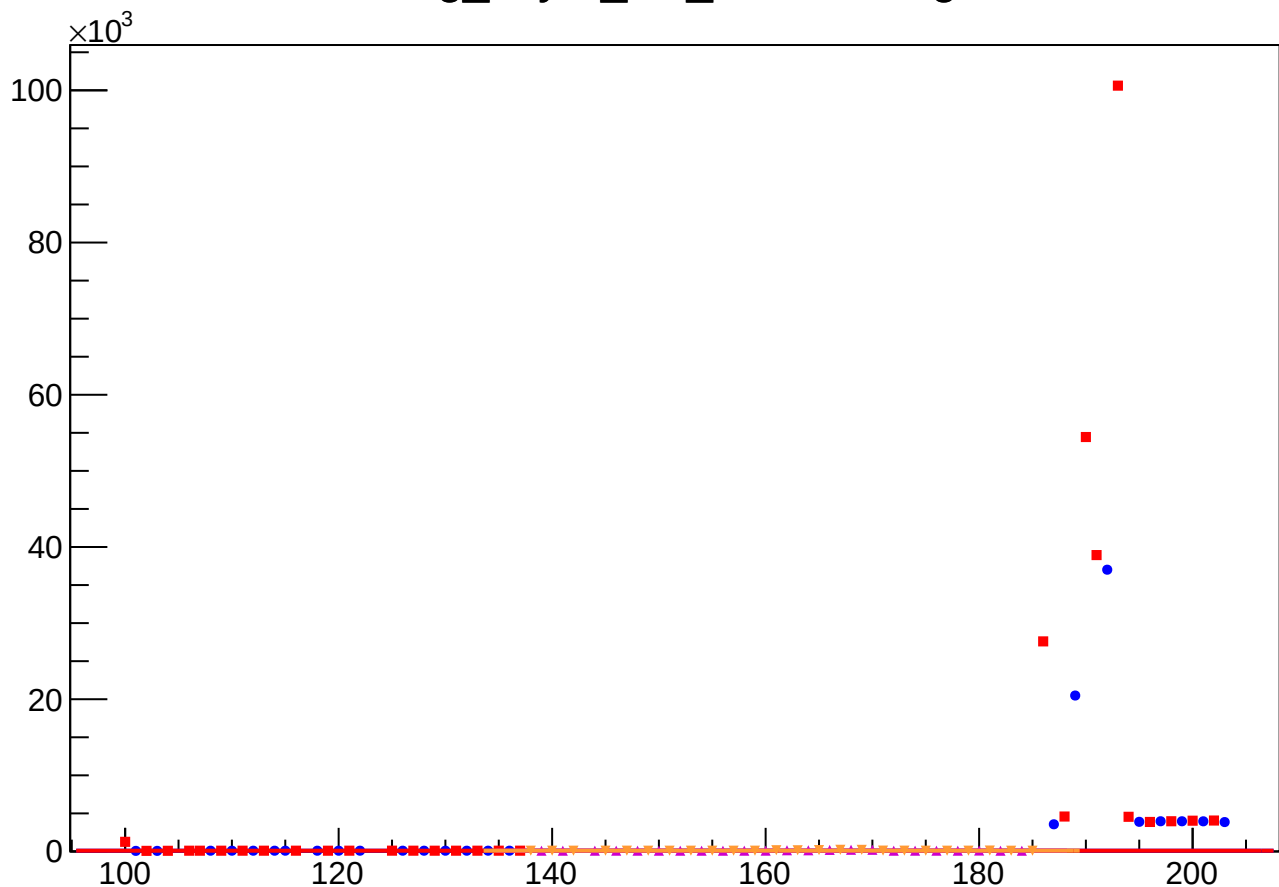
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.538 ± 21.369 χ^2/NDF : 61.2/47

All: -4.684 ± 15.125 χ^2/NDF : 116.6/98

- sign -16.954 ± 21.411 χ^2/NDF : 54.7/50

reg_asym_dsl_rms vs Slug



Right In: 95.496 $\pm$ 0.026 χ^2 /NDF: 9669532.8/23

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

Right Out: 97.676 $\pm$ 0.026 χ^2 /NDF: 9313471.3/27

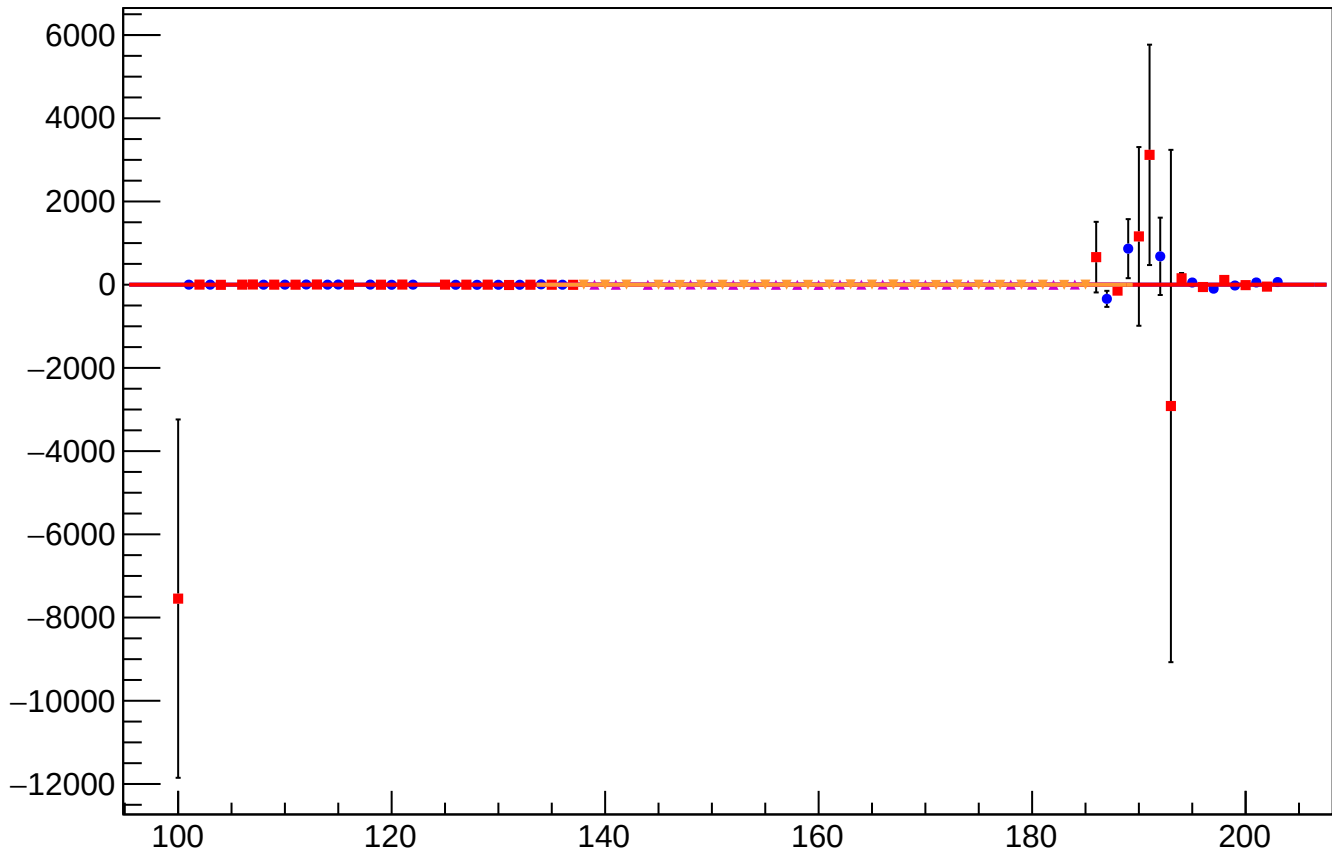
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.815 $\pm$ 0.015 χ^2 /NDF: 11259170.2/47

All: 104.047 $\pm$ 0.011 χ^2 /NDF: 22161895.9/98

- sign 104.279 $\pm$ 0.015 χ^2 /NDF: 10902254.6/50

asym_dsl_correction_mean vs Slug



Right In: 0.394 $\pm$ 0.617 χ^2 /NDF: 19.2/23

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

Right Out: 0.344 $\pm$ 0.644 χ^2 /NDF: 29.6/27

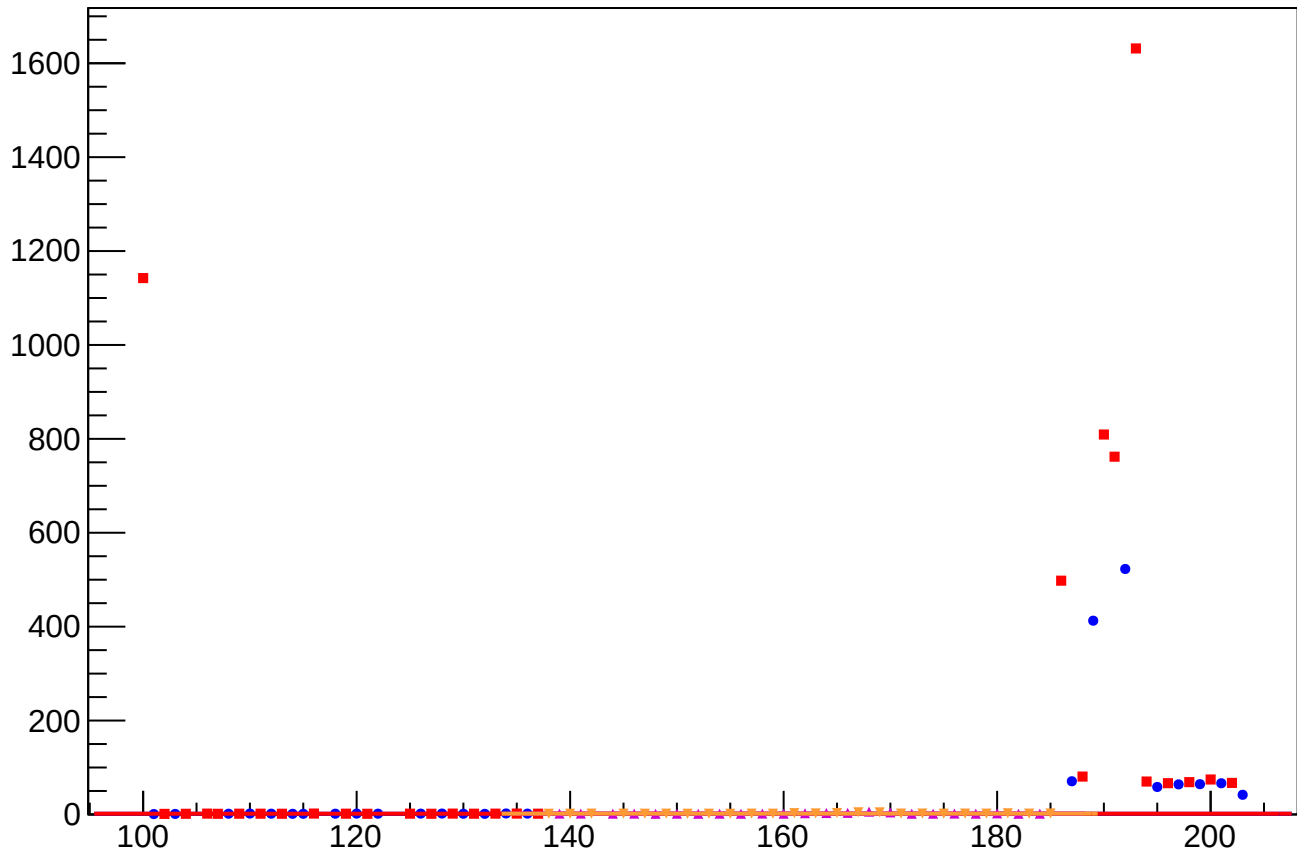
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF: 25.0/22

+ sign -0.189 $\pm$ 0.376 χ^2 /NDF: 51.1/47

All: -0.016 $\pm$ 0.270 χ^2 /NDF: 106.3/98

- sign 0.168 $\pm$ 0.387 χ^2 /NDF: 54.7/50

asym_dsl_correction_rms vs Slug



Right In: 1.442 $\pm$ 0.000 χ^2 /NDF: 8391051.5/23

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

Right Out: 1.575 $\pm$ 0.000 χ^2 /NDF: 8273593.3/27

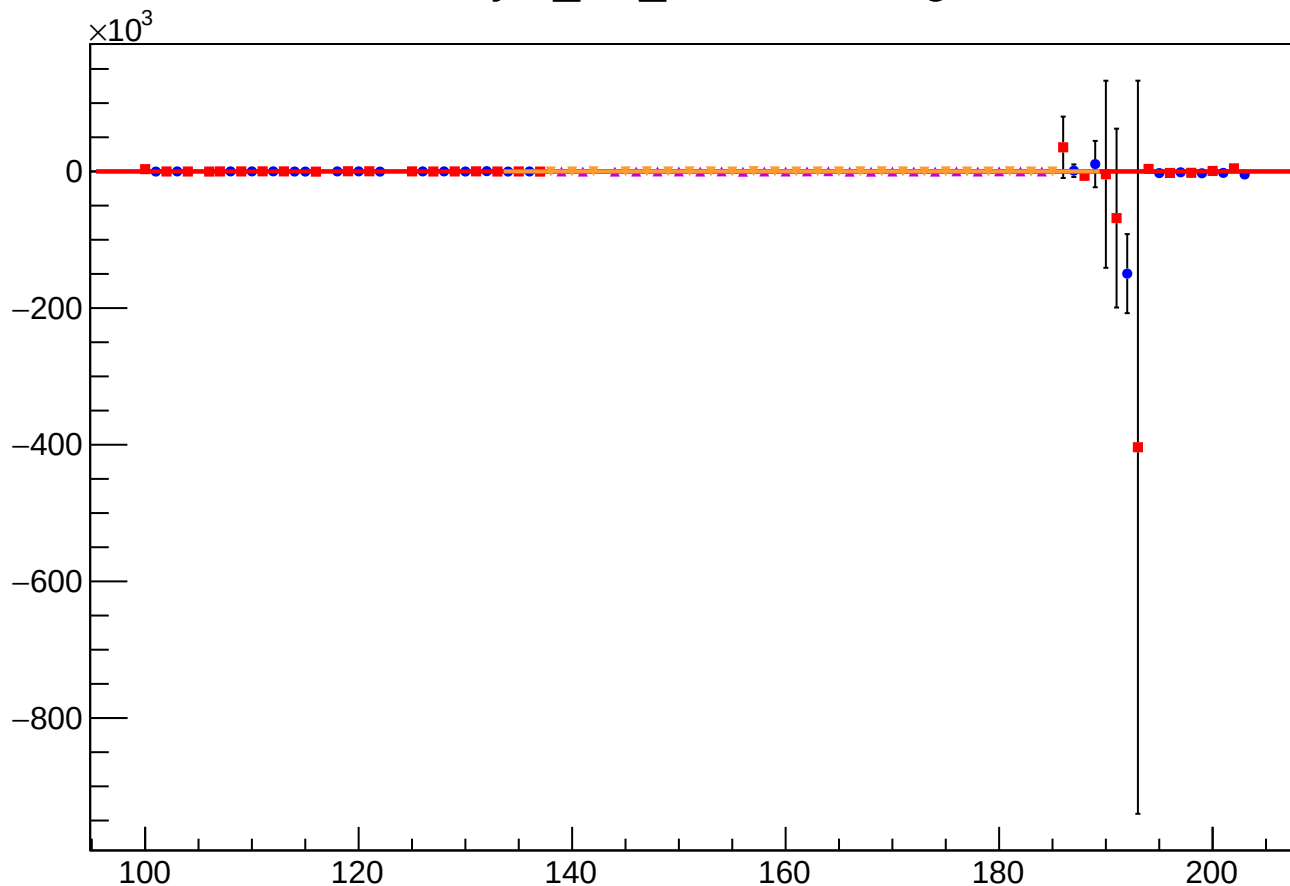
Left In: 1.802 $\pm$ 0.000 χ^2 /NDF:1921298.2/22

+ sign 1.649 $\pm$ 0.000 χ^2 /NDF: 10349162.9/47

All: 1.683 $\pm$ 0.000 χ^2 /NDF: 20738378.2/98

- sign 1.720 $\pm$ 0.000 χ^2 /NDF: 10354001.1/50

asym_dsl_mean vs Slug



Right In: -1.428 ± 36.774 χ^2/NDF : 25.5/23

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

Right Out: -1.467 ± 36.760 χ^2/NDF : 17.5/27

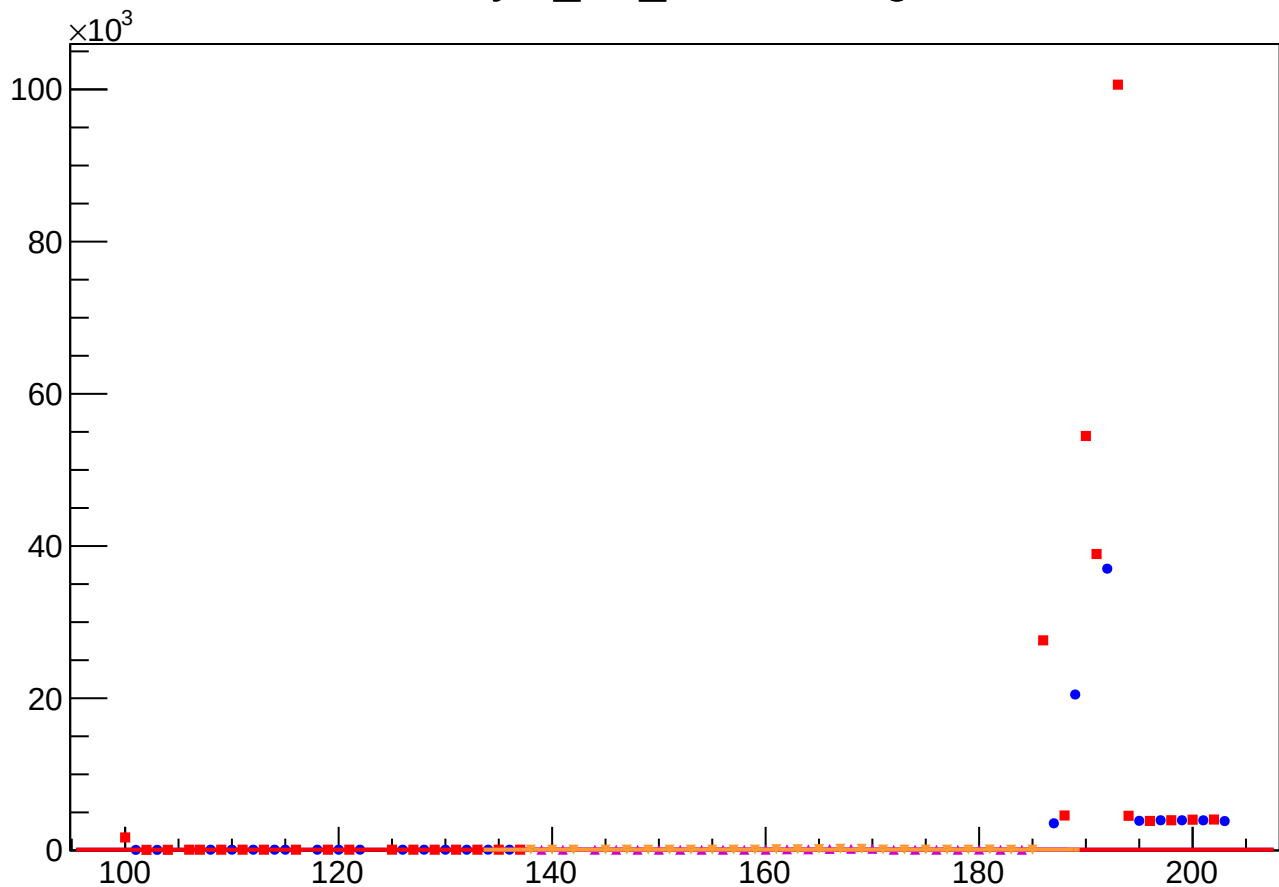
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 8.091 ± 21.375 χ^2/NDF : 61.4/47

All: -4.539 ± 15.129 χ^2/NDF : 115.6/98

- sign -17.218 ± 21.417 χ^2/NDF : 53.5/50

asym_dsl_rms vs Slug



Right In: 95.520 $\pm$ 0.026 χ^2 /NDF: 9669520.6/23

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

Right Out: 97.685 $\pm$ 0.026 χ^2 /NDF: 9318716.1/27

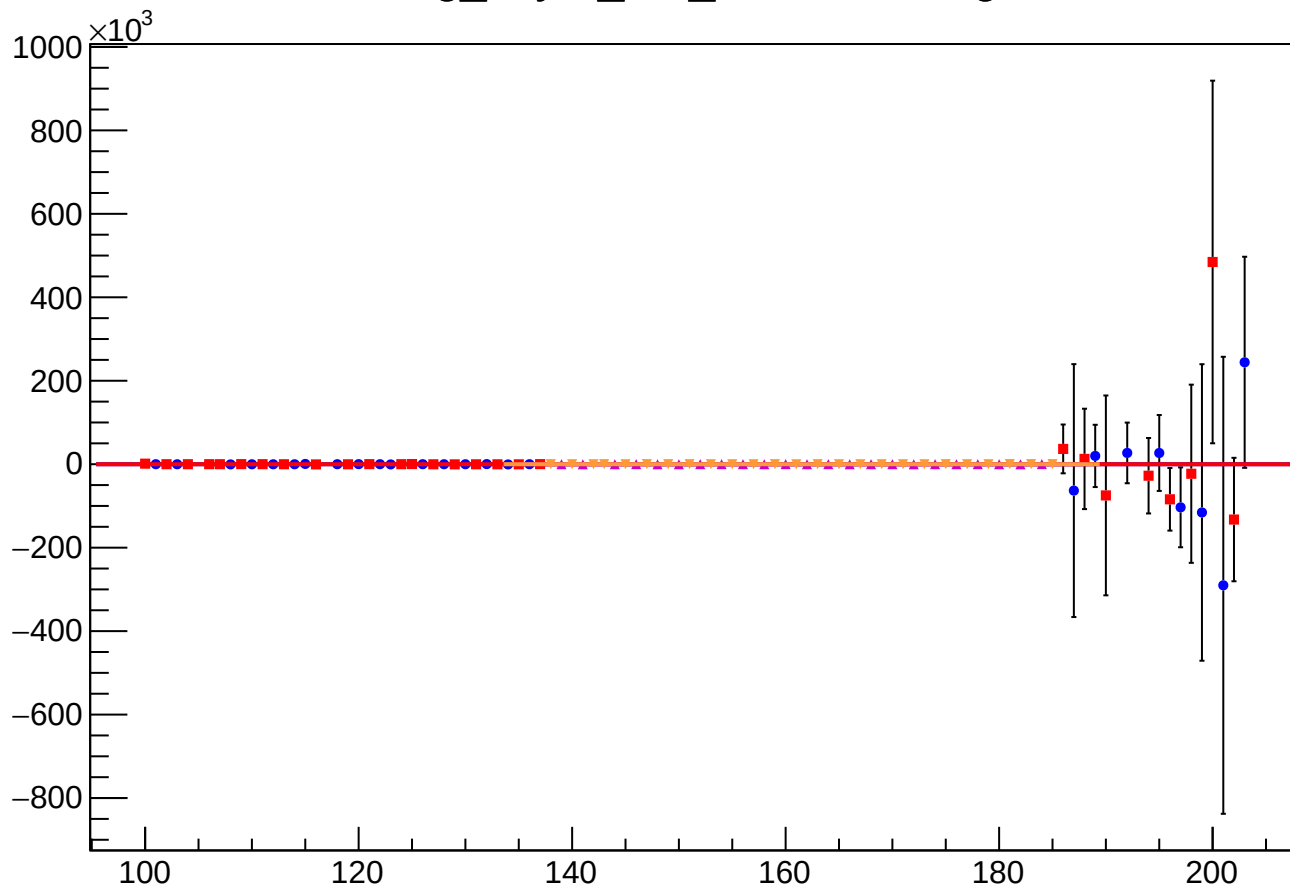
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.844 $\pm$ 0.015 χ^2 /NDF: 11260615.0/47

All: 104.073 $\pm$ 0.011 χ^2 /NDF: 22170245.1/98

- sign 104.303 $\pm$ 0.015 χ^2 /NDF: 10909169.7/50

reg_asym_dsr_mean vs Slug



Right In: -26.793 ± 46.841 χ^2/NDF : 17.3/24

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

Right Out: -53.411 ± 47.775 χ^2/NDF : 19.3/26

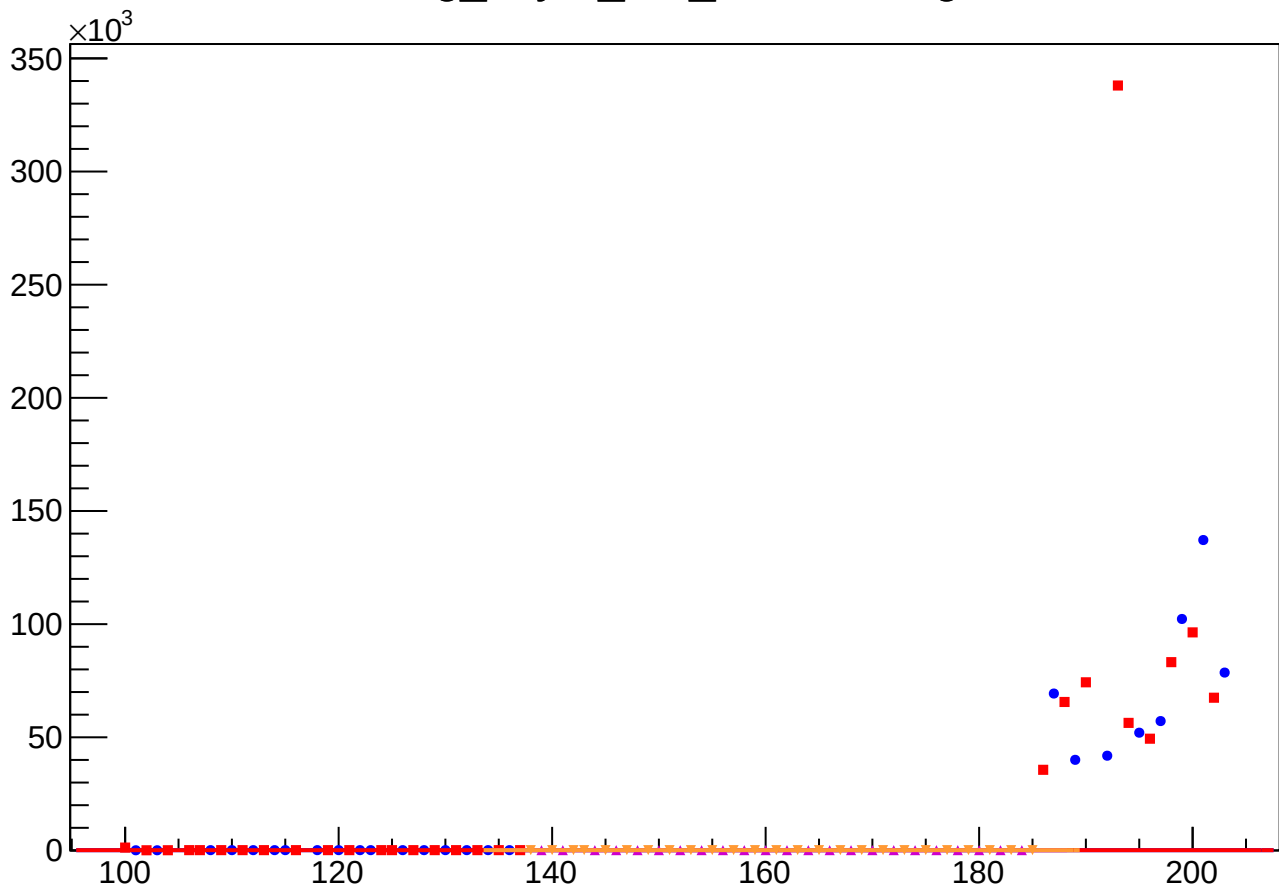
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.285 ± 26.458 χ^2/NDF : 29.3/49

All: 4.343 ± 18.939 χ^2/NDF : 73.5/99

- sign 27.067 ± 27.121 χ^2/NDF : 42.8/49

reg_asym_dsr_rms vs Slug



Right In: 117.838 $\pm$ 0.033 χ^2 /NDF: 4416904.4/24

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

Right Out: 124.818 $\pm$ 0.034 χ^2 /NDF: 5112293.5/27

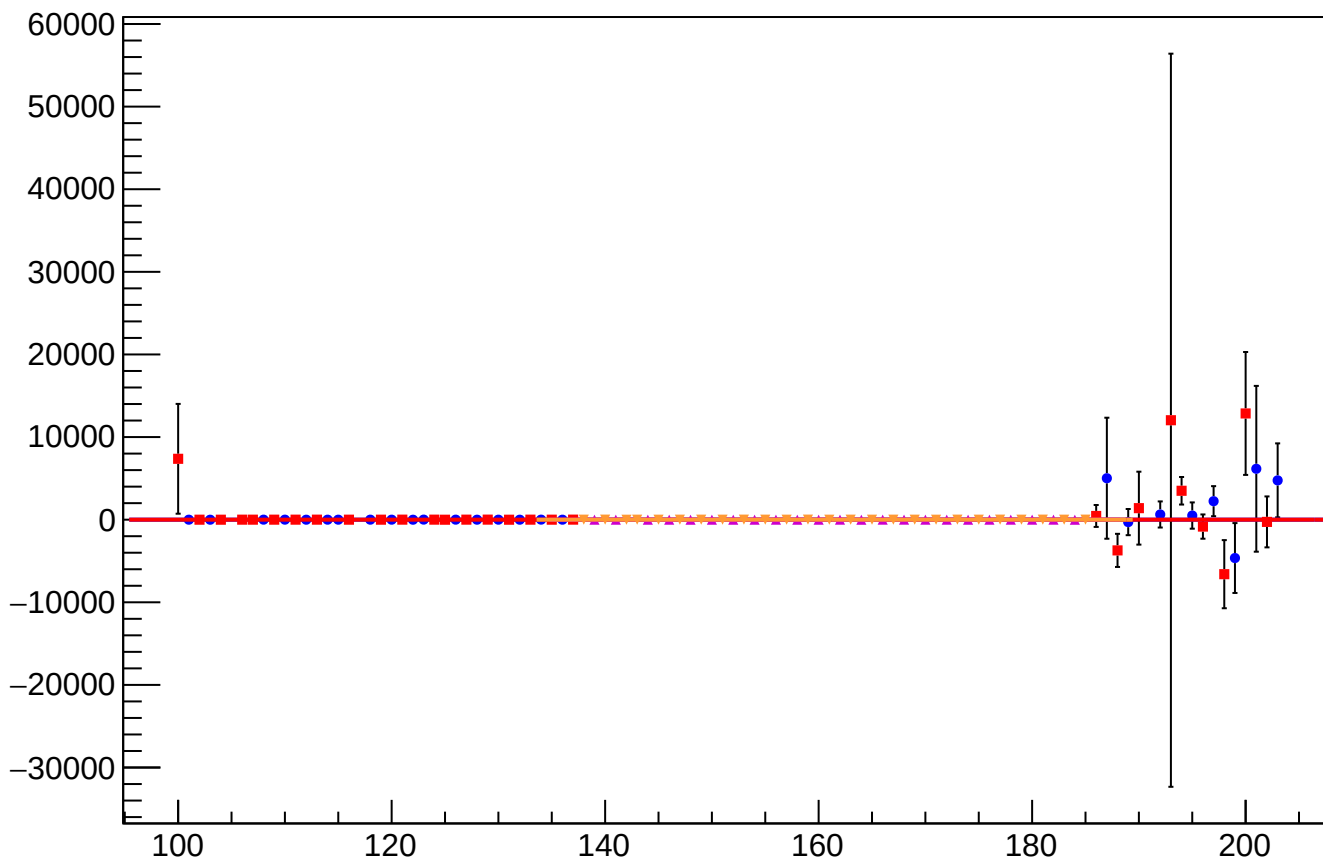
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.469 $\pm$ 0.019 χ^2 /NDF: 4666093.1/49

All: 132.518 $\pm$ 0.013 χ^2 /NDF: 9885442.8/100

- sign 133.619 $\pm$ 0.019 χ^2 /NDF: 5212911.1/50

asym_dsr_correction_mean vs Slug



Right In: -0.718 ± 0.810 χ^2/NDF : 17.2/24

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

Right Out: 0.638 ± 0.852 χ^2/NDF : 28.7/27

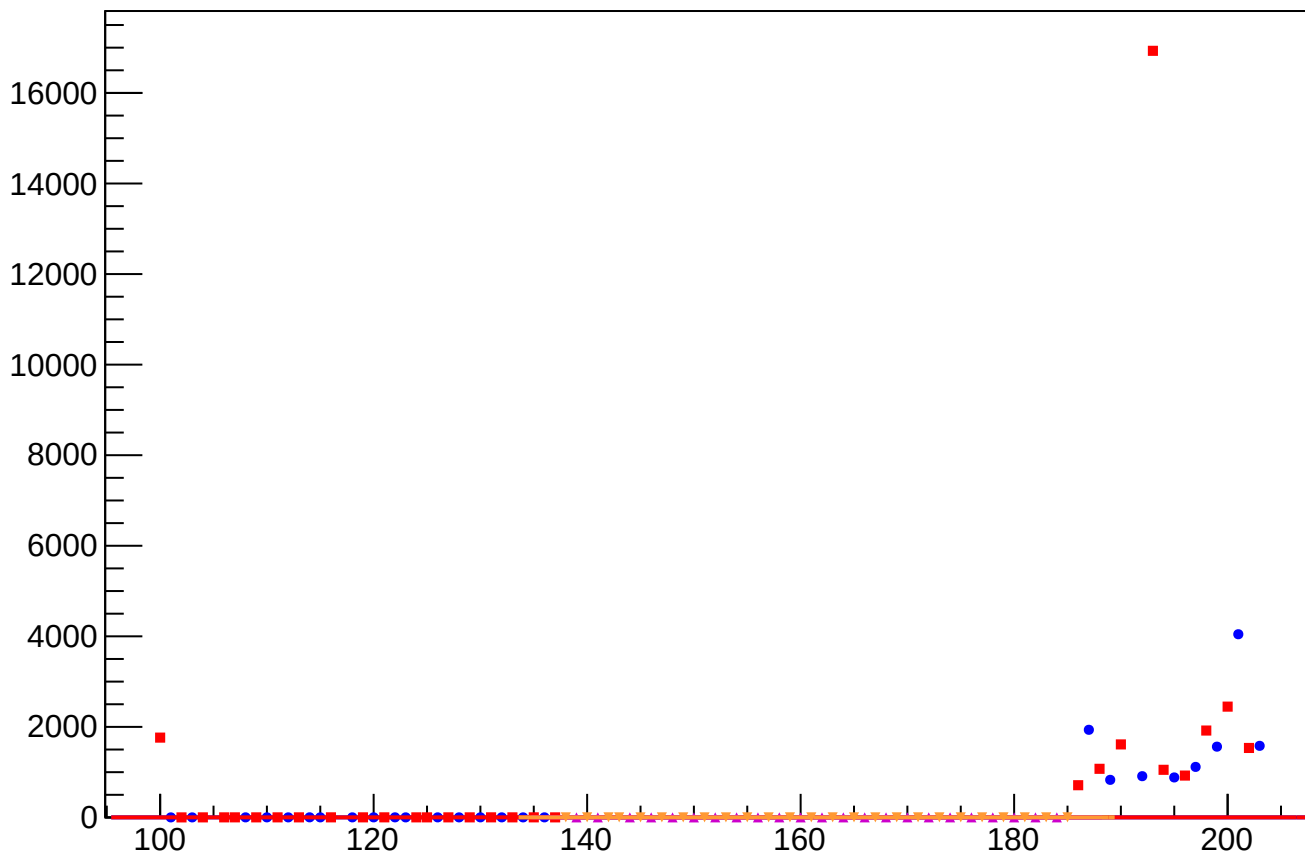
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 47.7/49

All: 0.046 ± 0.334 χ^2/NDF : 97.9/100

- sign 0.003 ± 0.479 χ^2/NDF : 50.2/50

asym_dsr_correction_rms vs Slug



Right In: 1.866+/-0.001 χ^2/NDF : 4049936.6/24

Left Out: 2.262+/-0.000 χ^2/NDF : 374973.2/24

Right Out: 2.065+/-0.001 χ^2/NDF : 4956289.5/27

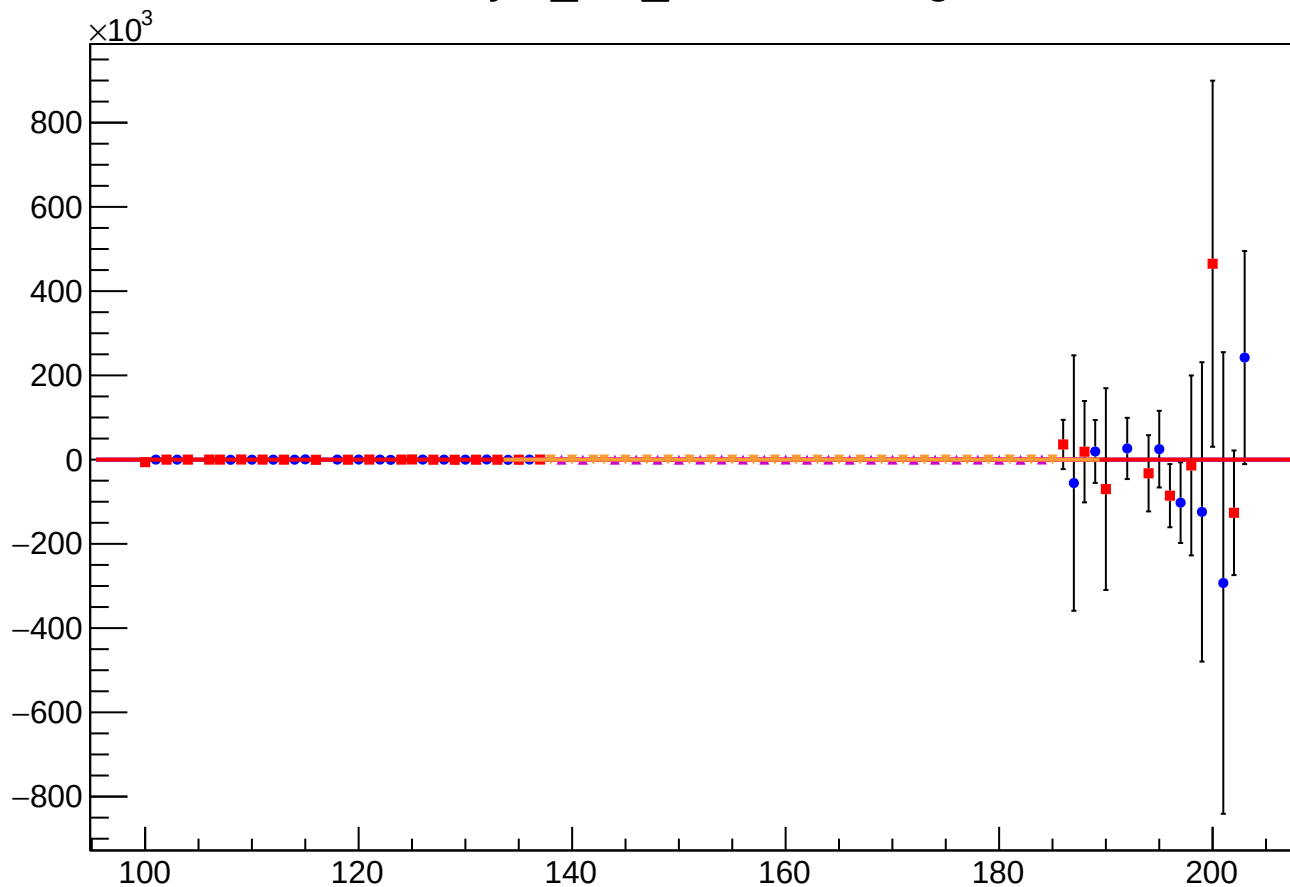
Left In: 2.193+/-0.000 χ^2/NDF : 510890.7/22

+ sign 2.130+/-0.000 χ^2/NDF : 4743107.6/49

All: 2.141+/-0.000 χ^2/NDF : 10243362.6/100

- sign 2.152+/-0.000 χ^2/NDF : 5498030.0/50

asym_dsr_mean vs Slug



Right In: -25.056+/-46.854 χ^2/NDF : 17.3/24

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

Right Out: -54.313 ± 47.789 χ^2/NDF : 19.9/26

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

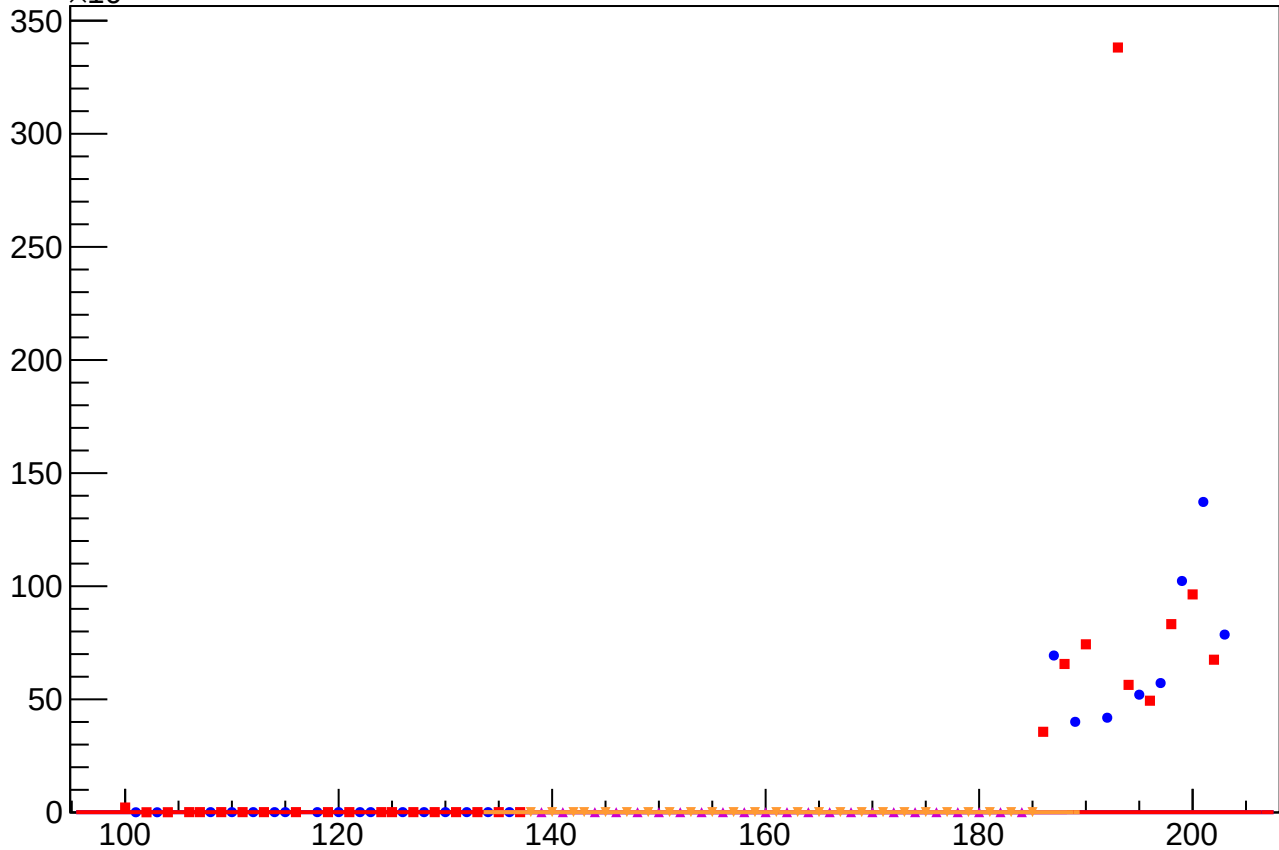
+ sign -17.107+/-26.465 χ^2/NDF : 29.1/49

All: 4.258 ± 18.944 χ^2/NDF : 73.9/99

- sign 26.707+/-27.129 χ^2/NDF : 43.5/49

asym_dsr_rms vs Slug

$\times 10^3$



Right In: 117.870 $\pm$ 0.033 χ^2 /NDF: 4417037.2/24

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

Right Out: 124.807 $\pm$ 0.034 χ^2 /NDF: 5122956.4/27

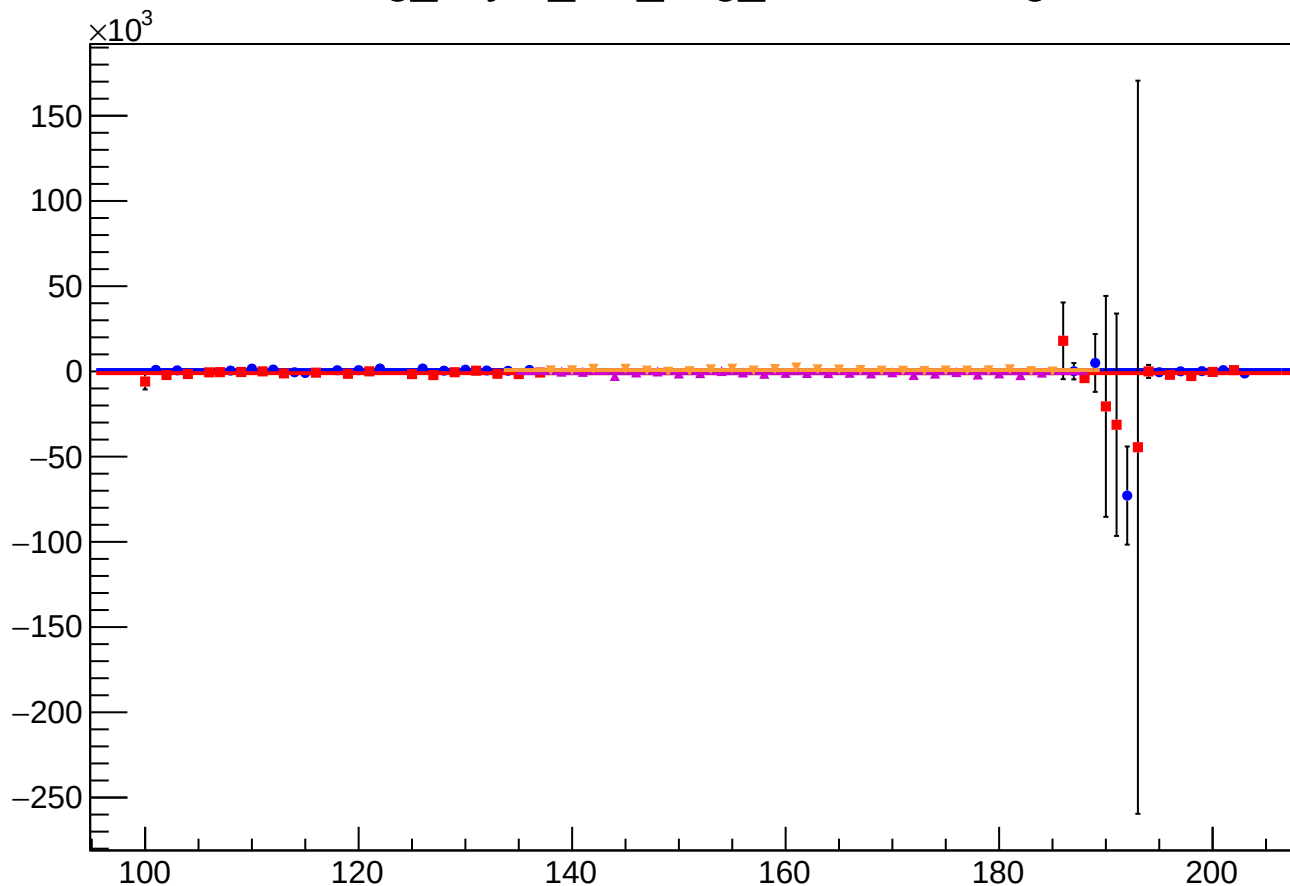
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.506 $\pm$ 0.019 χ^2 /NDF: 4666257.1/49

All: 132.548 $\pm$ 0.013 χ^2 /NDF: 9896894.6/100

- sign 133.642 $\pm$ 0.019 χ^2 /NDF: 5224283.1/50

reg_asym_left_avg_mean vs Slug



Right In: 798.541 $\pm$ 211.663 χ^2 /NDF: 13.2/23

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

Right Out: -1017.370 $\pm$ 209.087 χ^2 /NDF: 17.4/27

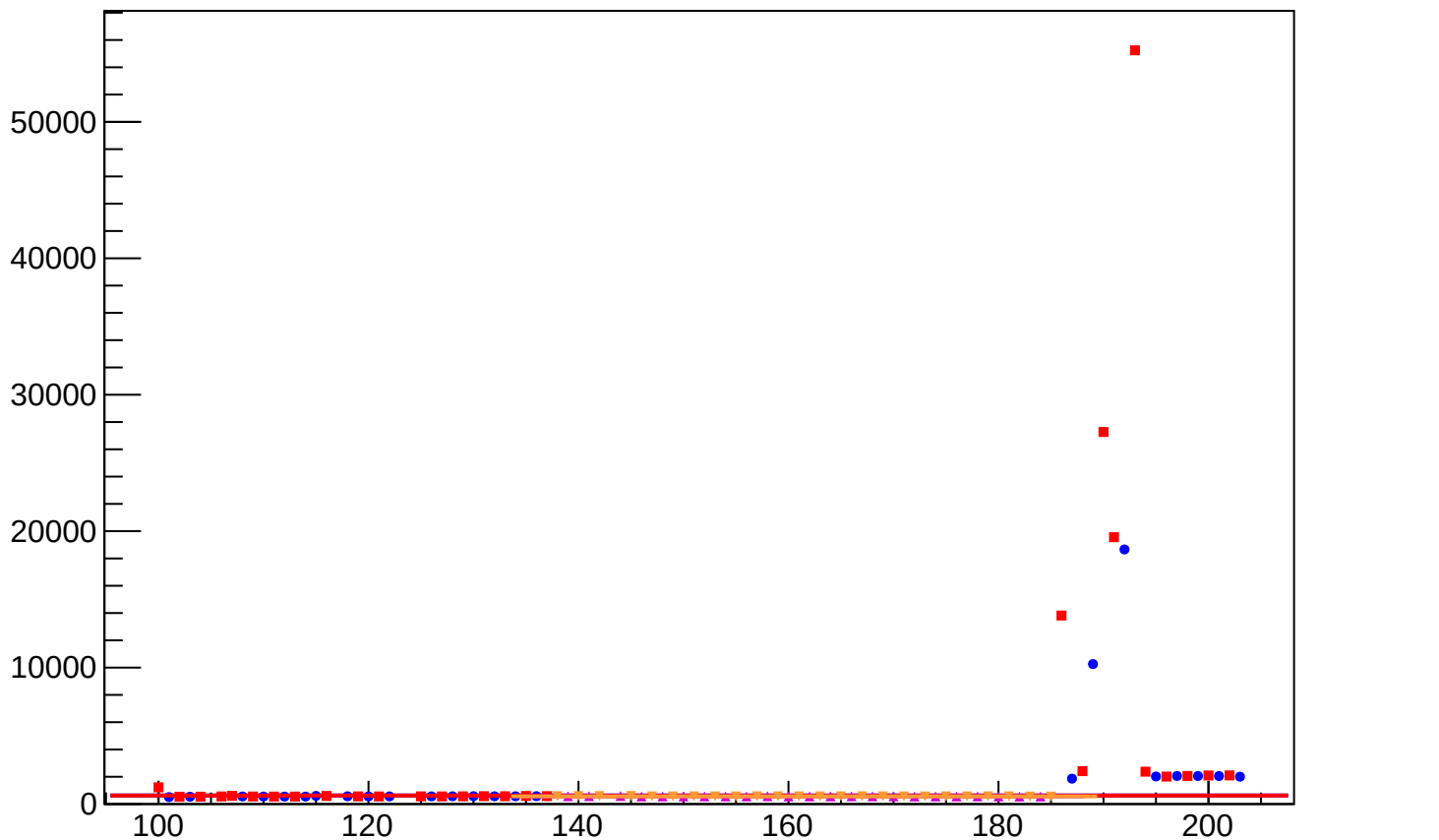
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF: 27.4/22

+ sign 788.428 $\pm$ 113.251 χ^2 /NDF: 32.4/47

All: -98.342 $\pm$ 80.124 χ^2 /NDF: 200.1/98

- sign -987.035 $\pm$ 113.374 χ^2 /NDF: 44.9/50

reg_asym_left_avg_rms vs Slug



Right In: 626.338 $\pm$ 0.150 χ^2 /NDF: 5661271.5/23

Left Out: 564.143 $\pm$ 0.095 χ^2 /NDF: 9594.1/23

Right Out: 625.007 $\pm$ 0.148 χ^2 /NDF: 5641446.8/27

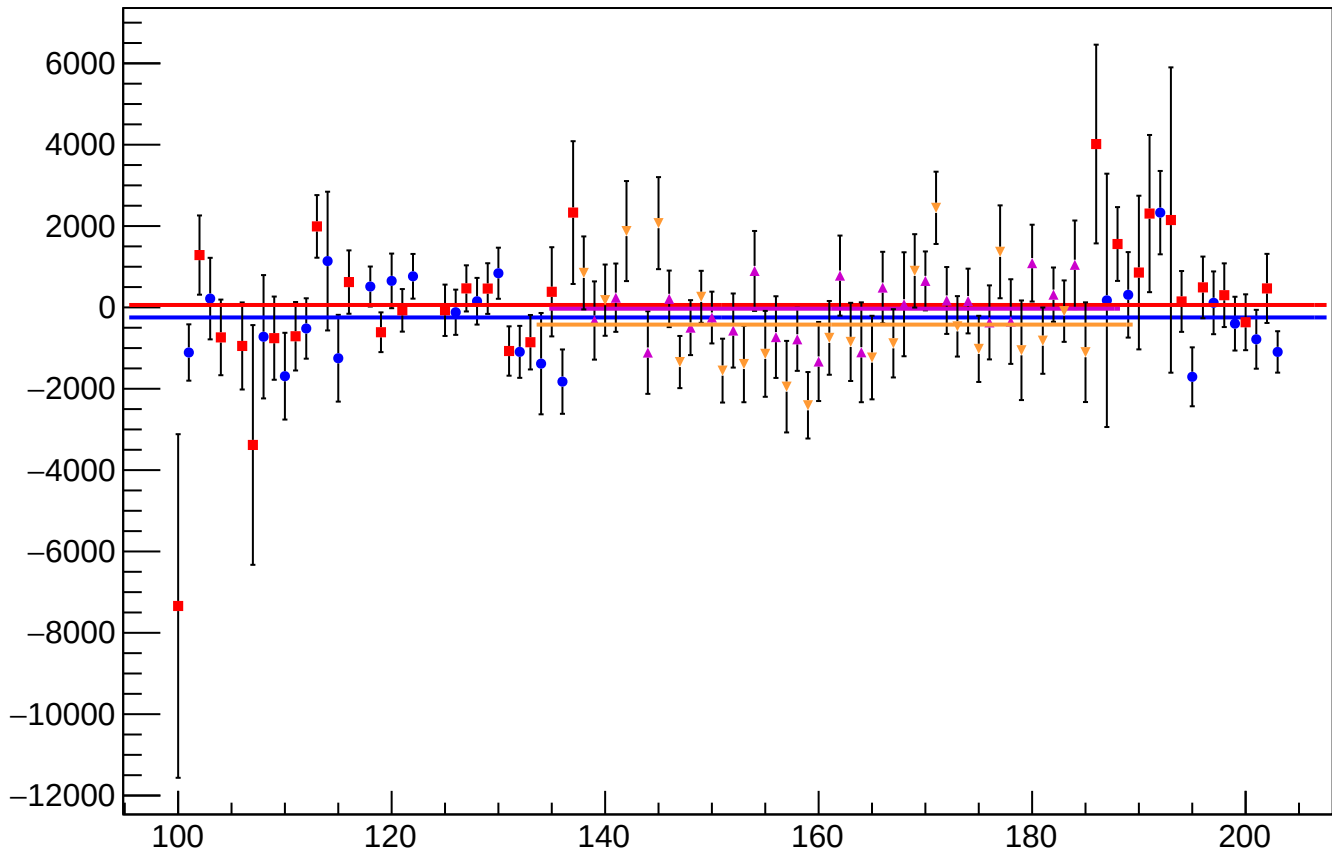
Left In: 564.383 $\pm$ 0.095 χ^2 /NDF: 9209.5/22

+ sign 581.949 $\pm$ 0.080 χ^2 /NDF: 5794111.4/47

All: 582.078 $\pm$ 0.057 χ^2 /NDF: 11563475.9/98

- sign 582.207 $\pm$ 0.080 χ^2 /NDF: 5769359.3/50

asym_left_avg_correction_mean vs Slug



Right In: -246.634 $\pm$ 150.422 χ^2 /NDF: 37.3/23

Left Out: -422.681 $\pm$ 180.610 χ^2 /NDF: 43.2/23

Right Out: 59.874 $\pm$ 154.738 χ^2 /NDF: 34.2/27

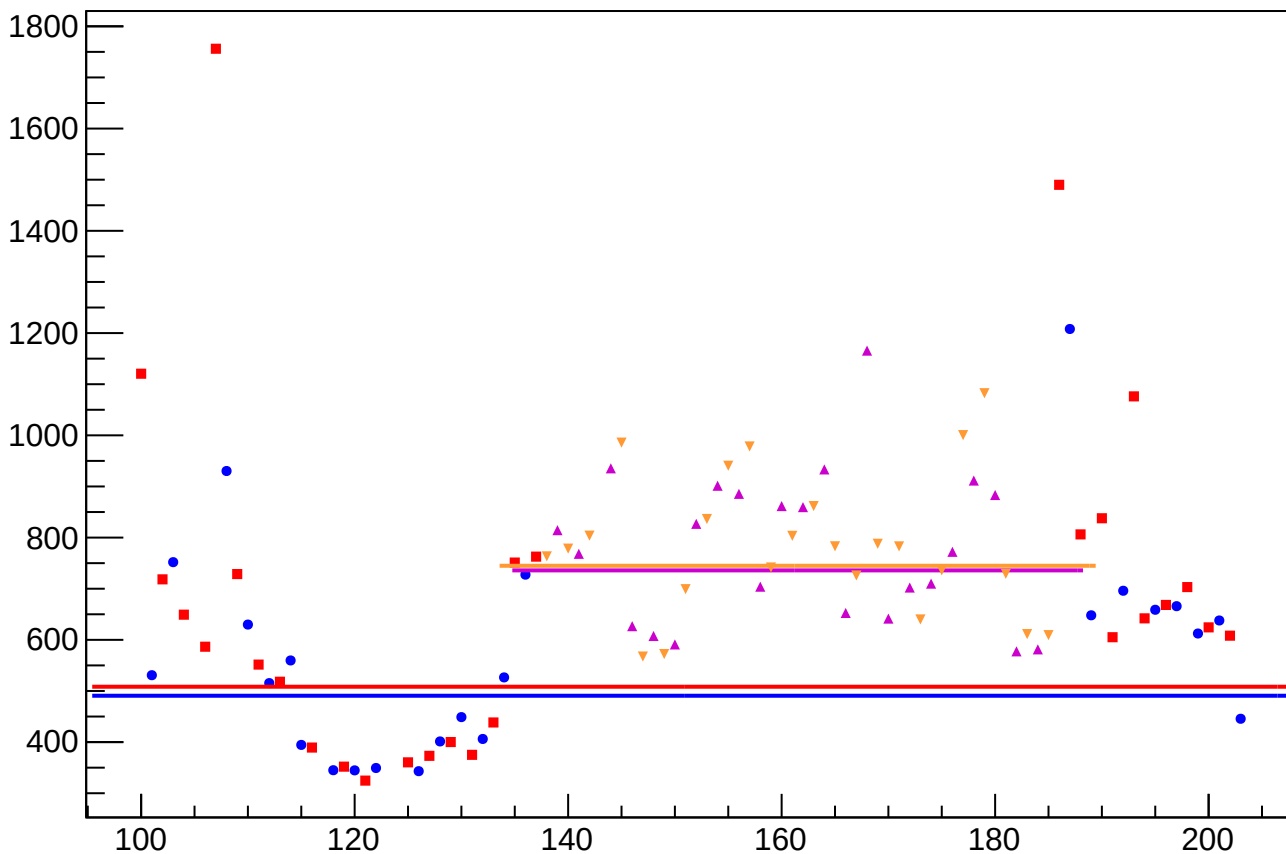
Left In: -32.411 $\pm$ 179.430 χ^2 /NDF: 12.2/22

+ sign -318.736 $\pm$ 115.584 χ^2 /NDF: 81.1/47

All: -151.439 $\pm$ 82.289 χ^2 /NDF: 131.9/98

- sign 20.514 $\pm$ 117.182 χ^2 /NDF: 46.5/50

asym_left_avg_correction_rms vs Slug



Right In: 490.676 $\pm$ 0.106 χ^2 /NDF: 1791416.8/23

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

Right Out: 508.316 $\pm$ 0.109 χ^2 /NDF: 2700565.6/27

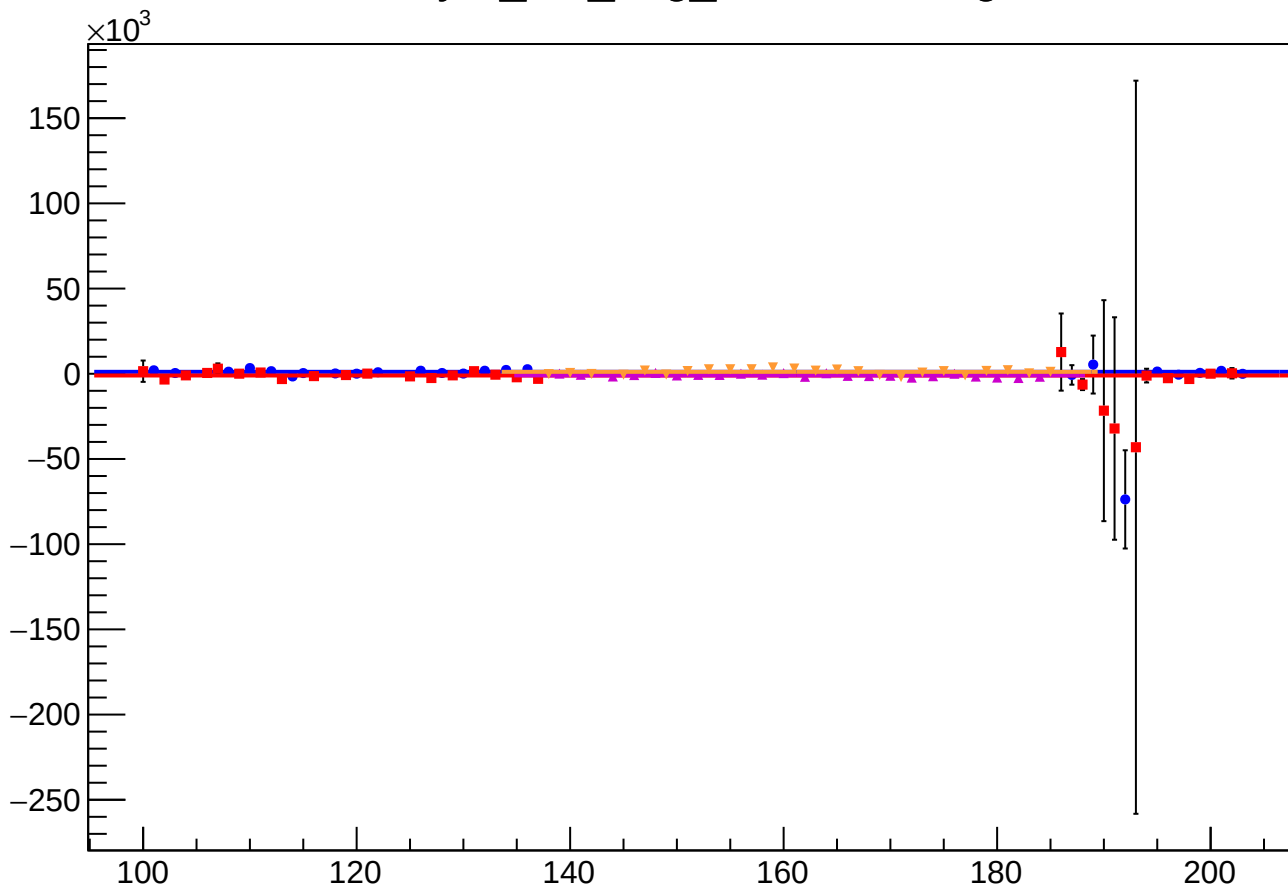
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 594.799 $\pm$ 0.082 χ^2 /NDF: 5140114.6/47

All: 600.008 $\pm$ 0.058 χ^2 /NDF: 10798728.9/98

- sign 605.361 $\pm$ 0.083 χ^2 /NDF: 5650378.9/50

asym_left_avg_mean vs Slug



Right In: 1143.128 $\pm$ 284.826 χ^2 /NDF: 19.5/23

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

Right Out: -1012.457 $\pm$ 284.712 χ^2 /NDF: 28.2/27

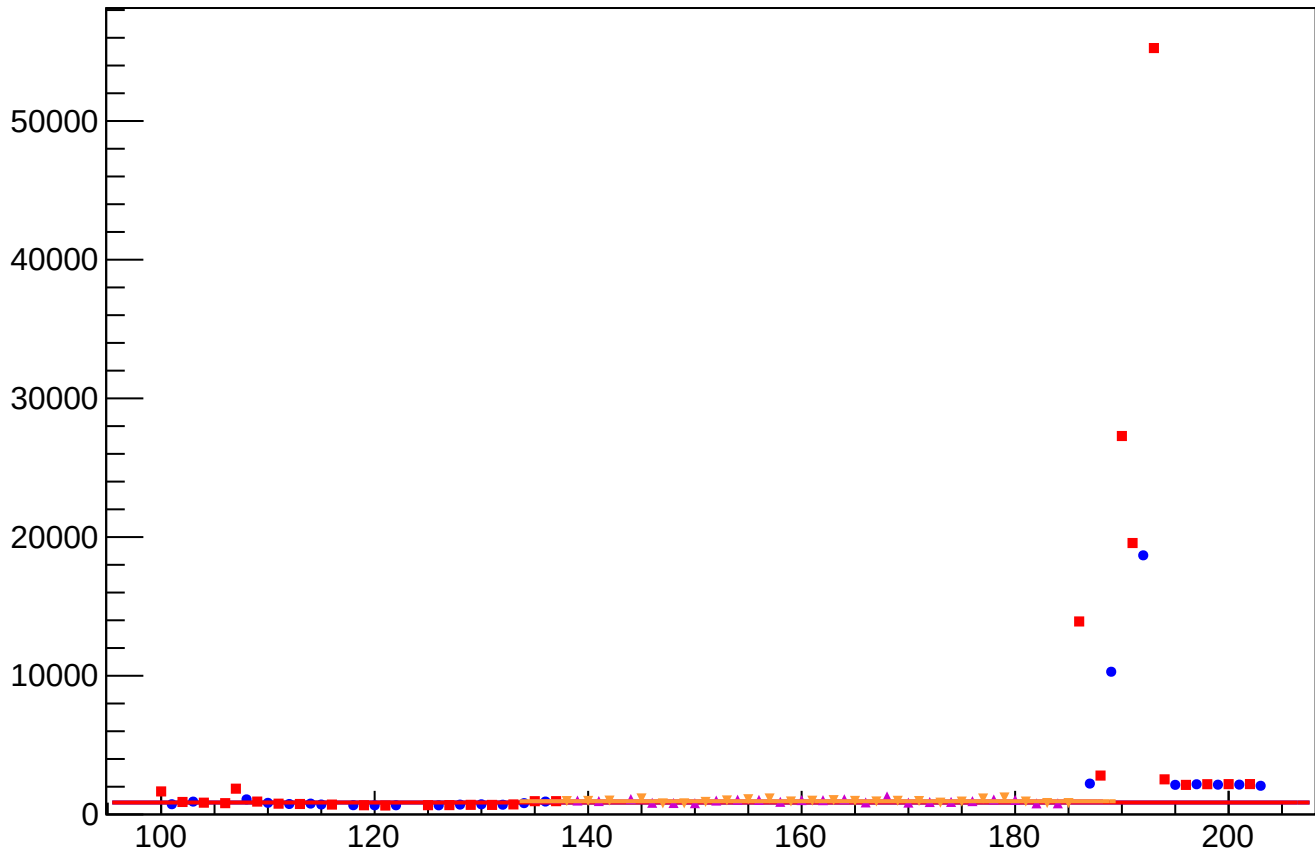
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1139.973 $\pm$ 178.392 χ^2 /NDF: 58.4/47

All: 83.692 $\pm$ 126.046 χ^2 /NDF: 171.4/98

- sign -969.396 $\pm$ 178.122 χ^2 /NDF: 43.0/50

asym_left_avg_rms vs Slug



Right In: 861.033+/-0.201 χ^2/NDF : 4881184.3/23

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

Right Out: 861.399+/-0.201 χ^2/NDF : 5252688.2/27

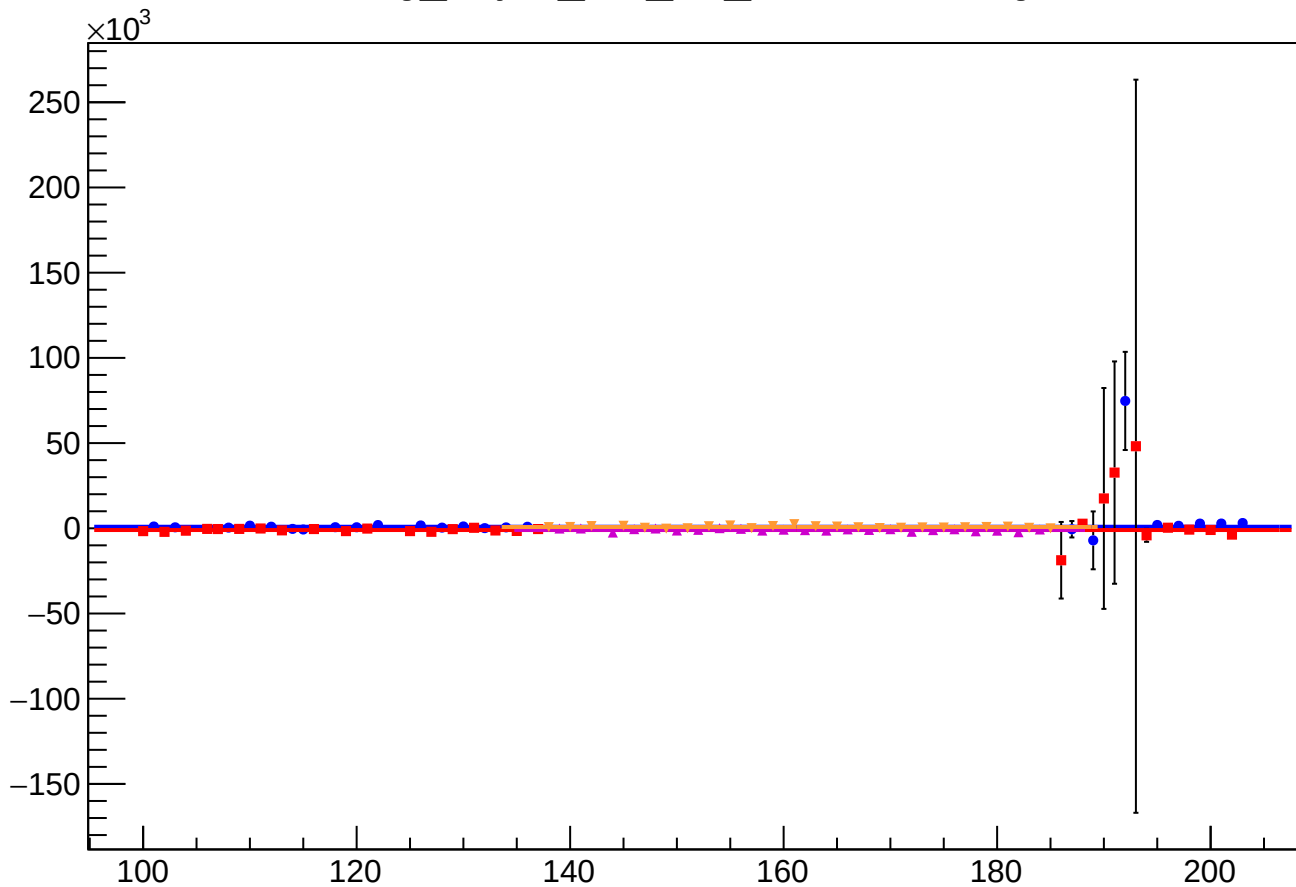
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 917.734+/-0.126 χ^2/NDF : 5471753.1/47

All: 915.481+/-0.089 χ^2/NDF : 11335377.4/98

- sign 913.236+/-0.126 χ^2/NDF : 5862987.5/50

reg_asym_left_dd_mean vs Slug



Right In: 914.147 $\pm$ 211.520 χ^2 /NDF: 15.6/23

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

Right Out: -1013.075 $\pm$ 204.349 χ^2 /NDF: 17.0/27

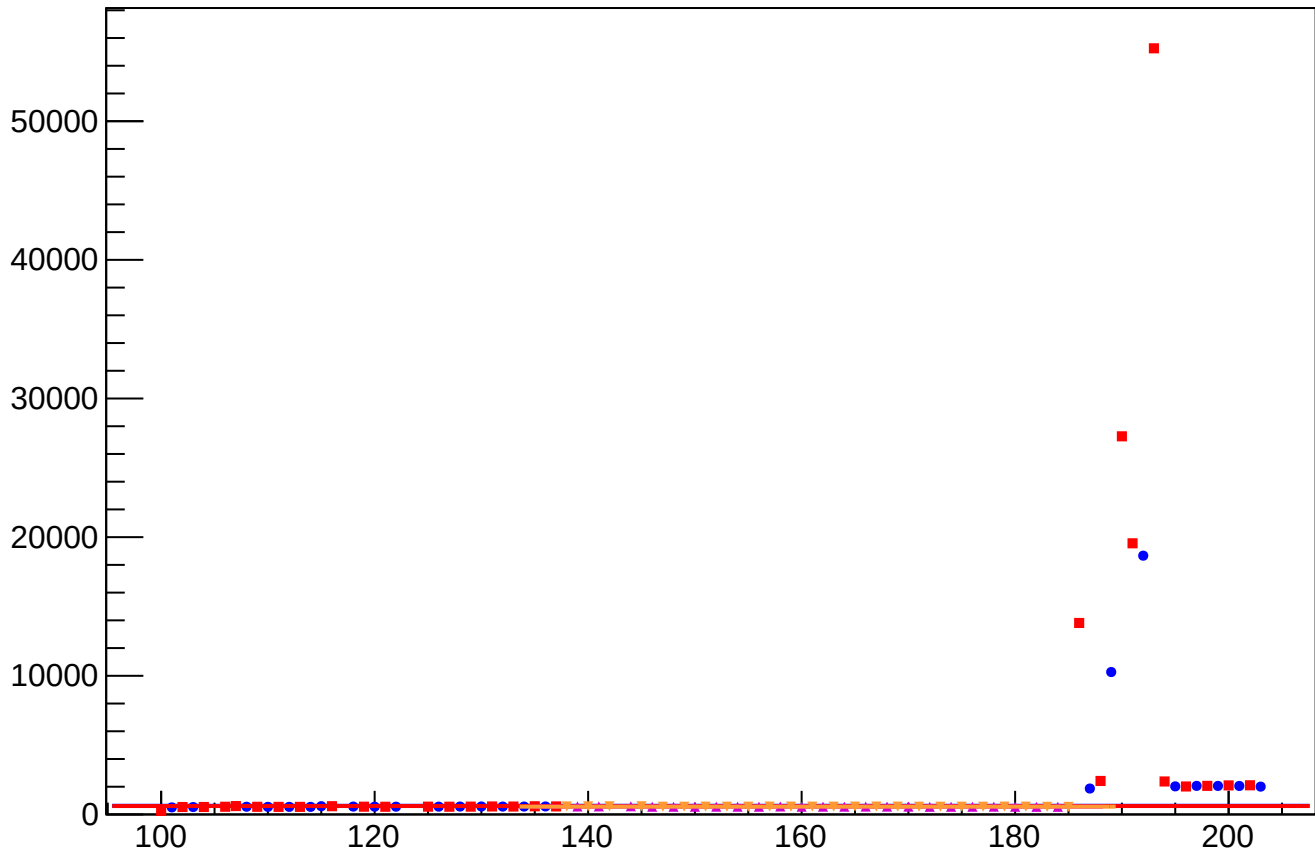
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

+ sign 802.437 $\pm$ 113.162 χ^2 /NDF: 37.1/47

All: -91.233 $\pm$ 79.796 χ^2 /NDF: 205.0/98

- sign -975.063 $\pm$ 112.537 χ^2 /NDF: 43.9/50

reg_asym_left_dd_rms vs Slug



Right In: 625.765 $\pm$ 0.150 χ^2 /NDF: 5670086.7/23

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

Right Out: 606.456 $\pm$ 0.144 χ^2 /NDF: 5898125.5/27

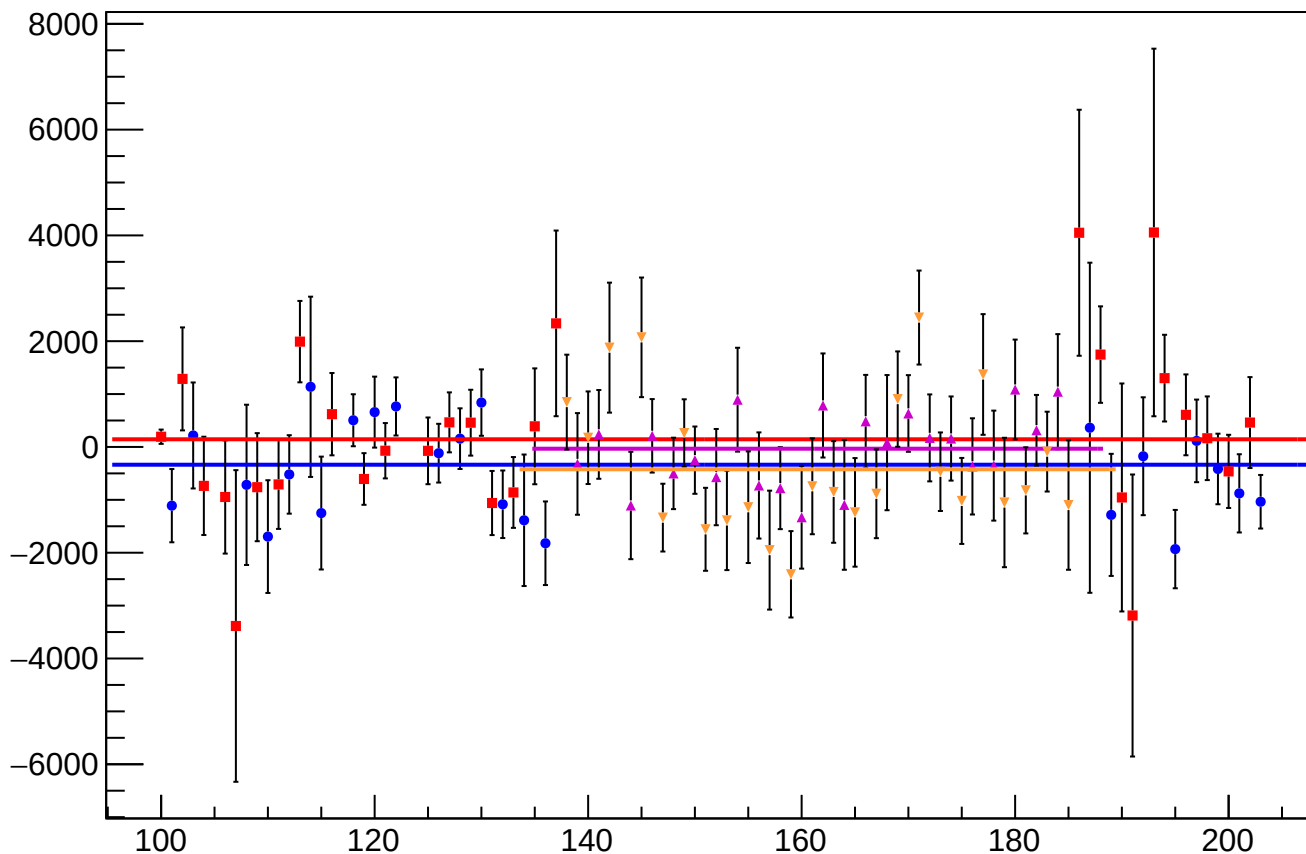
Left In: 563.934 $\pm$ 0.095 χ^2 /NDF:9204.6/22

+ sign 581.446 $\pm$ 0.080 χ^2 /NDF: 5802640.7/47

All: 579.125 $\pm$ 0.056 χ^2 /NDF: 11771978.2/96

- sign 576.830 $\pm$ 0.080 χ^2 /NDF: 5967664.5/50

asym_left_dd_correction_mean vs Slug



Right In: -335.980+/-151.247 χ^2/NDF : 32.1/23

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

Right Out: 144.931+/-102.044 χ^2/NDF : 36.1/27

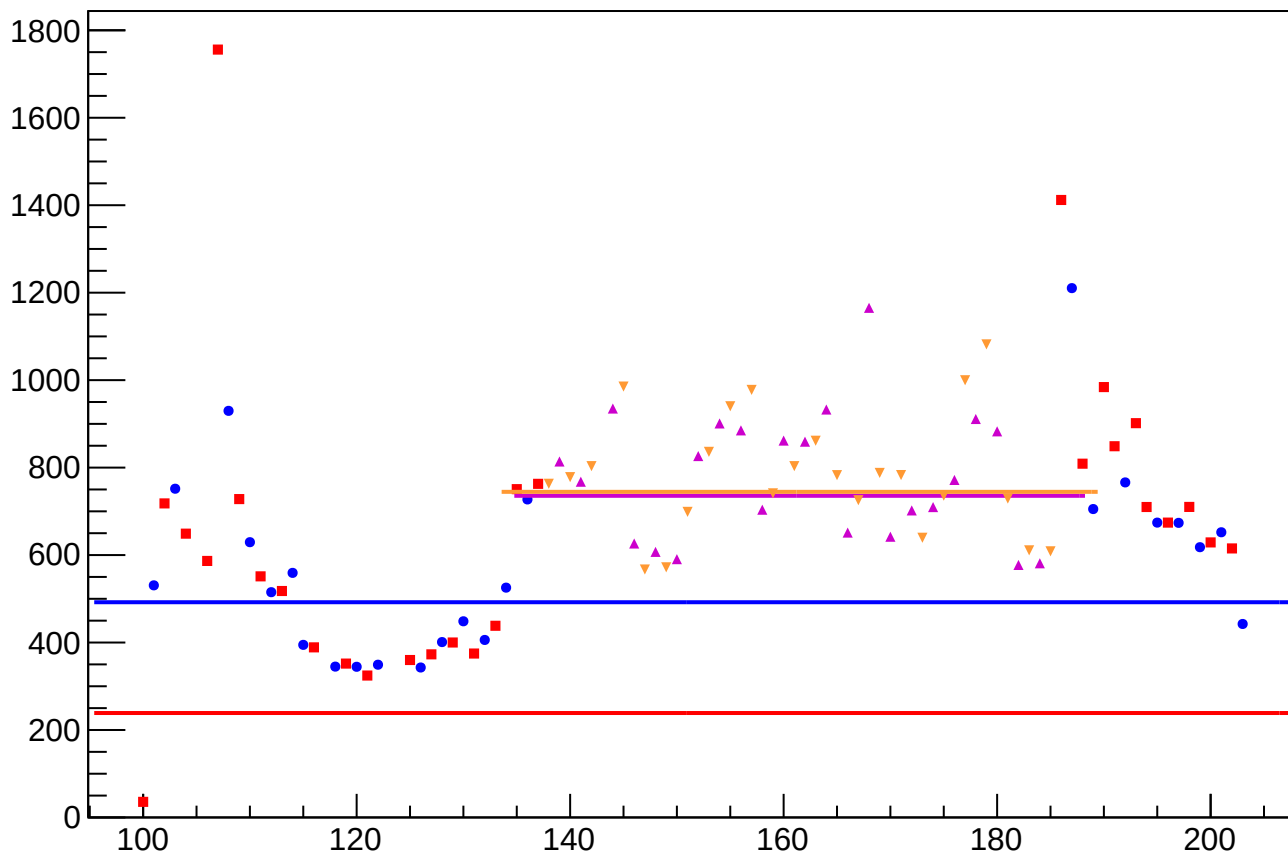
Left In: -33.325+/-179.355 χ^2/NDF : 12.1/22

+ sign -371.590+/-115.937 χ^2/NDF : 75.5/47

All: -73.259+/-70.444 χ^2/NDF : 135.0/98

- sign 101.339+/-88.694 χ^2/NDF : 49.0/50

asym_left_dd_correction_rms vs Slug



Right In: 492.144+/-0.107 χ^2/NDF : 1900594.7/23

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

Right Out: 238.818+/-0.072 χ^2/NDF : 13337319.3/27

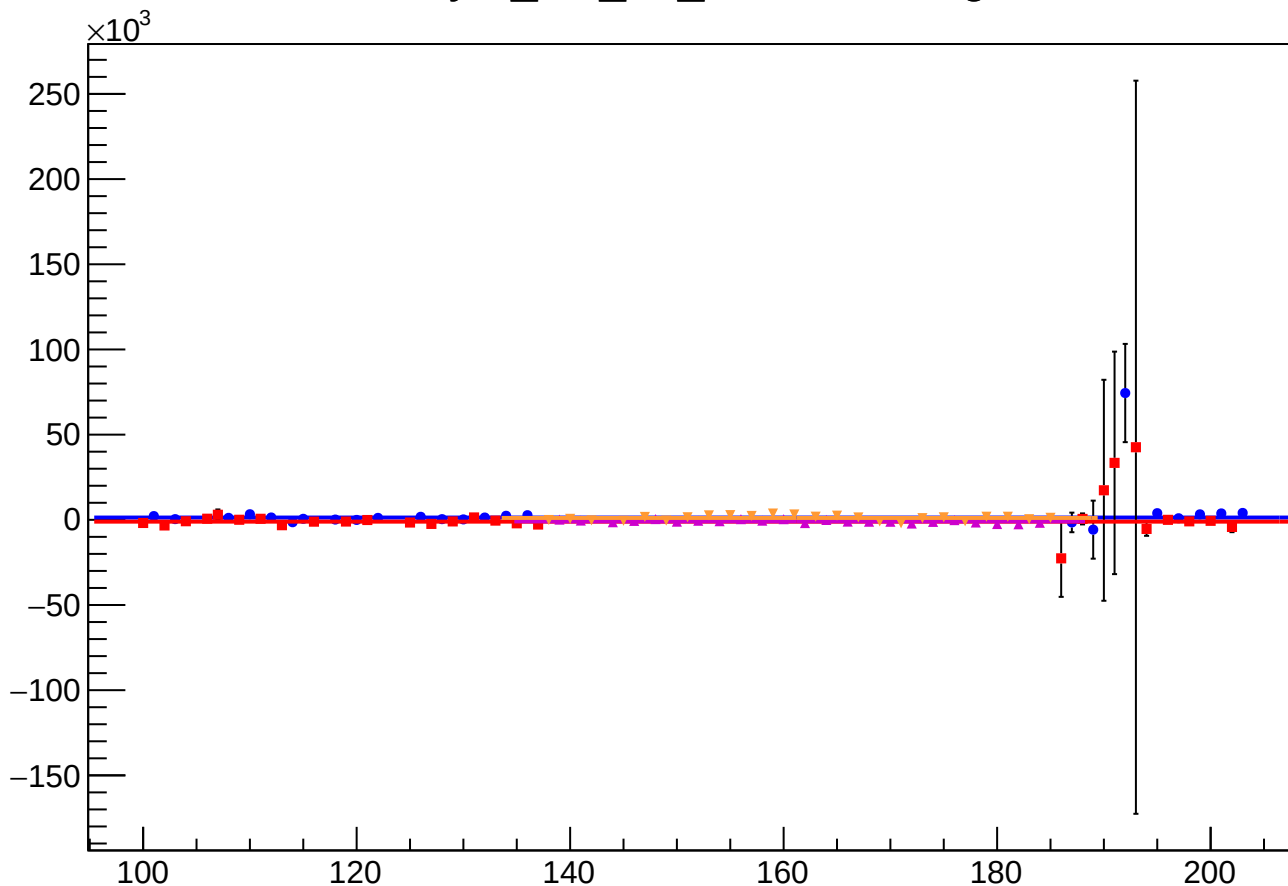
Left In: 735.543+/-0.127 χ^2/NDF :1105222.3/22

+ sign 596.260+/-0.082 χ^2/NDF : 5208229.8/47

All: 447.406+/-0.050 χ^2/NDF : 36466161.1/98

- sign 360.289+/-0.063 χ^2/NDF : 26031470.4/50

asym_left_dd_mean vs Slug



Right In: 1331.060 ± 284.702 $\chi^2/\text{NDF}: 23.0/23$

Left Out: 1105.144 ± 228.700 $\chi^2/\text{NDF}: 38.3/23$

Right Out: -1061.813 ± 273.303 $\chi^2/\text{NDF}: 26.4/27$

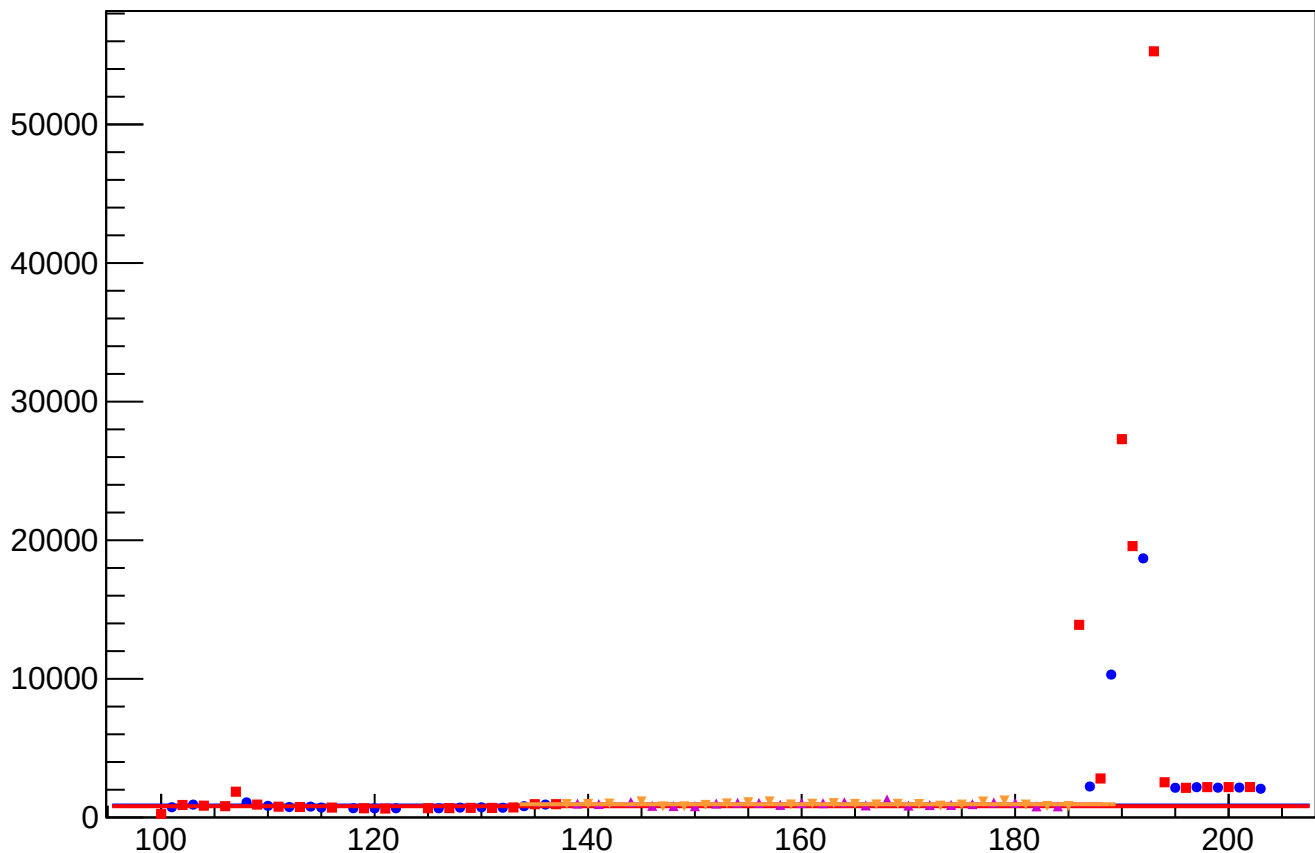
Left In: -926.281 ± 228.196 $\chi^2/\text{NDF}: 15.1/22$

+ sign 1193.749 ± 178.298 $\chi^2/\text{NDF}: 61.6/47$

All: 86.618 ± 124.953 $\chi^2/\text{NDF}: 179.0/98$

- sign -981.955 ± 175.165 $\chi^2/\text{NDF}: 41.6/50$

asym_left_dd_rms vs Slug



Right In: 860.333+/-0.201 χ^2/NDF : 4895092.1/23

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

Right Out: 811.151+/-0.193 χ^2/NDF : 5944176.6/27

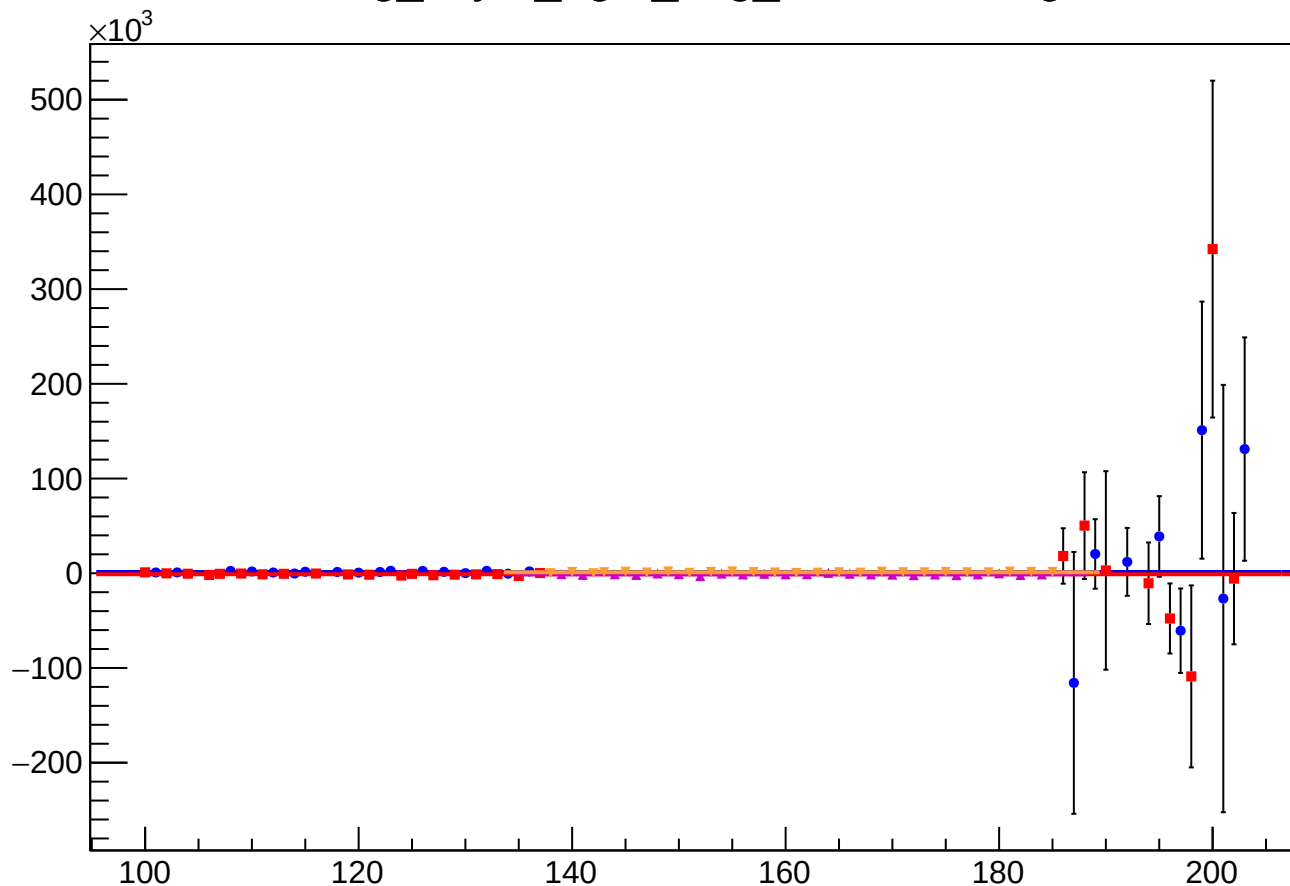
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 917.130+/-0.126 χ^2/NDF : 5486266.5/47

All: 903.646+/-0.088 χ^2/NDF : 12241431.2/96

- sign 890.631+/-0.124 χ^2/NDF : 6732683.8/50

reg_asym_right_avg_mean vs Slug



Right In: 1325.142 $\pm$ 218.585 χ^2 /NDF: 19.0/24

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

Right Out: -1040.591 $\pm$ 212.064 χ^2 /NDF: 21.4/26

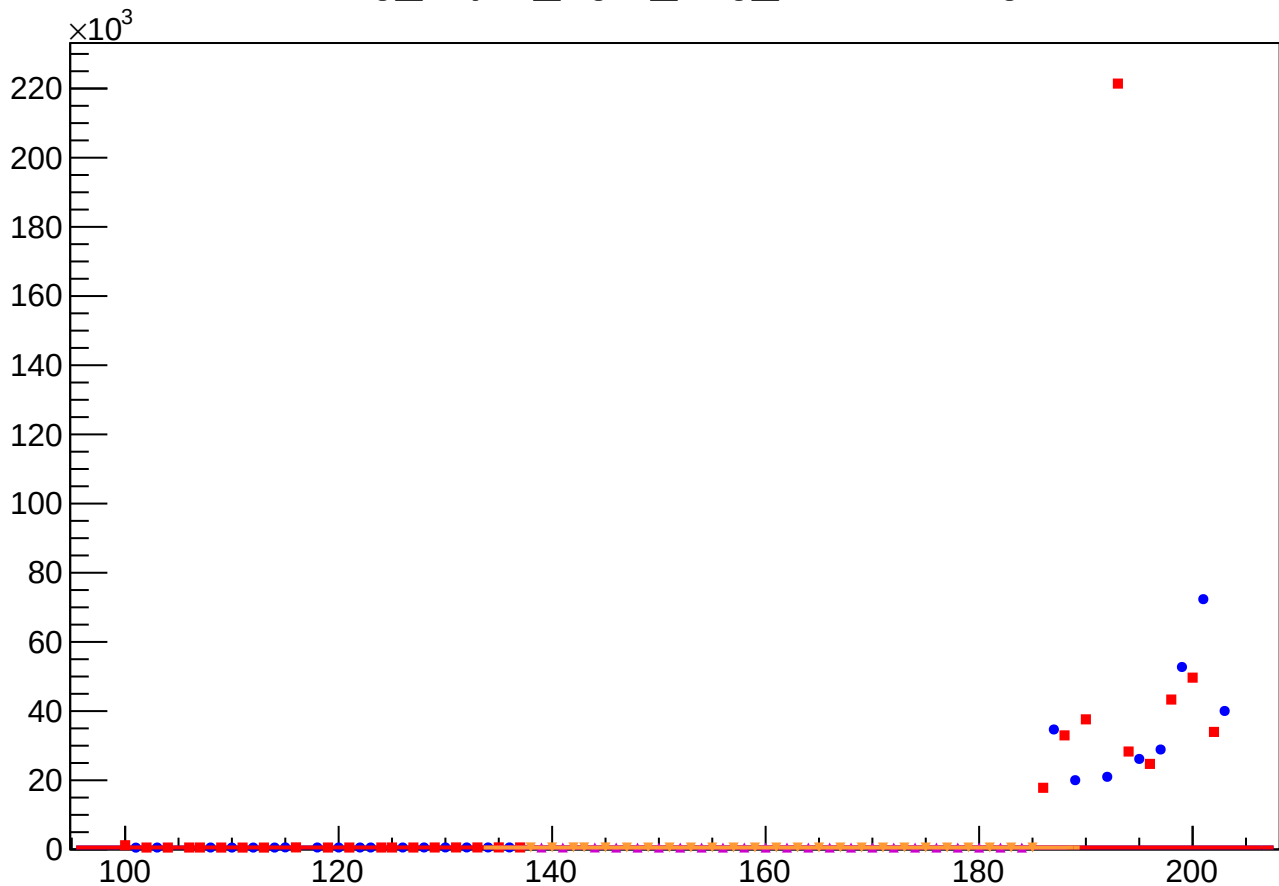
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1139.112 $\pm$ 111.536 χ^2 /NDF: 35.1/49

All: 31.754 $\pm$ 79.301 χ^2 /NDF: 286.0/99

- sign -1100.309 $\pm$ 112.773 χ^2 /NDF: 51.5/49

reg_asym_right_avg_rms vs Slug



Right In: 566.808 $\pm$ 0.155 χ^2 /NDF: 3711359.0/24

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

Right Out: 568.972 $\pm$ 0.150 χ^2 /NDF: 4558999.8/27

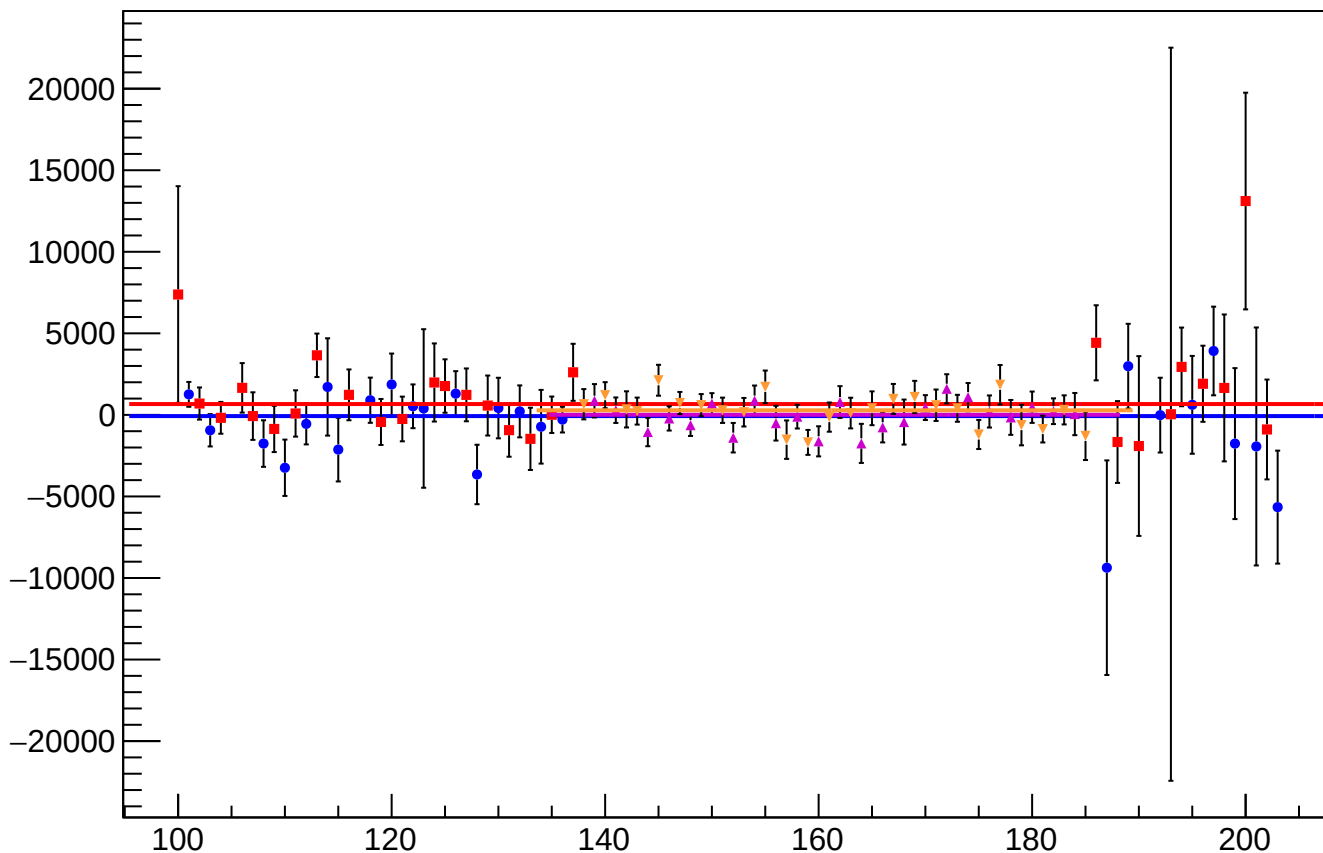
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 559.949 $\pm$ 0.079 χ^2 /NDF: 3728774.4/49

All: 560.154 $\pm$ 0.056 χ^2 /NDF: 8303593.0/100

- sign 560.363 $\pm$ 0.080 χ^2 /NDF: 4574805.0/50

asym_right_avg_correction_mean vs Slug



Right In: -73.754 ± 315.645 χ^2/NDF : 25.4/24

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

Right Out: 664.618 ± 317.240 χ^2/NDF : 23.4/27

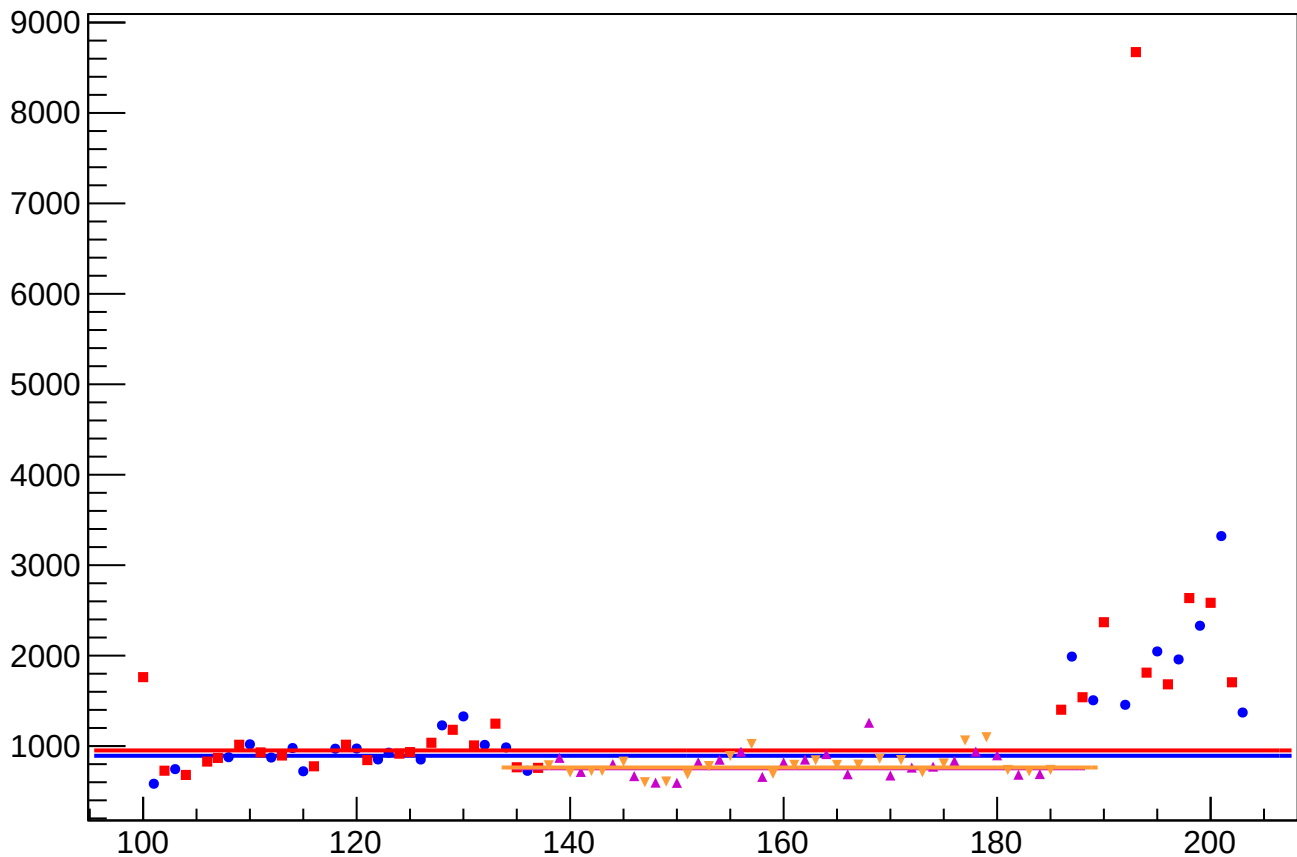
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 194.296 ± 156.640 χ^2/NDF : 53.1/49

All: 183.600 ± 111.505 χ^2/NDF : 99.9/100

- sign 172.612 ± 158.765 χ^2/NDF : 46.8/50

asym_right_avg_correction_rms vs Slug



Right In: 892.576 ± 0.223 χ^2/NDF : 2042085.1/24

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

Right Out: 951.816 ± 0.224 χ^2/NDF : 2053902.1/27

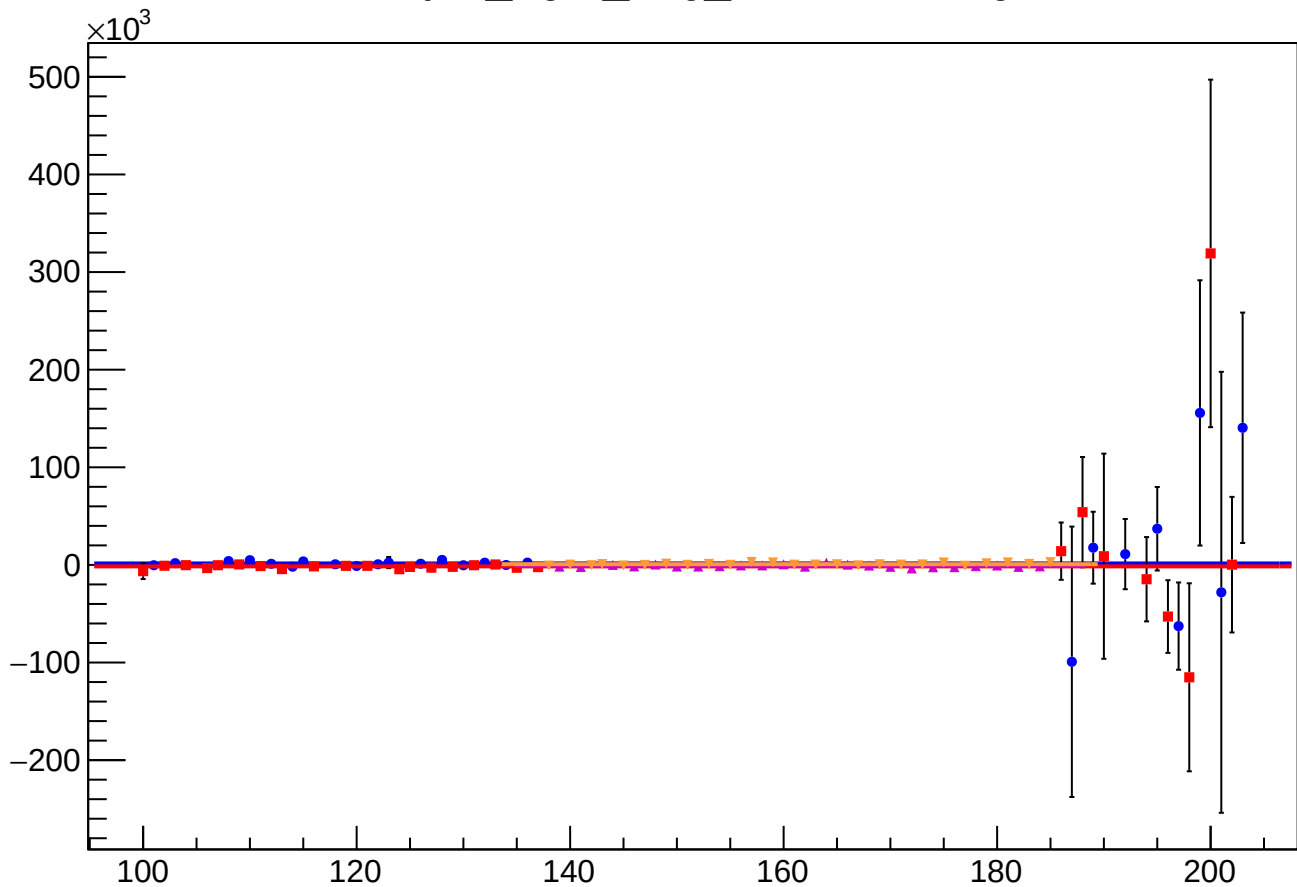
Left In: 754.099 ± 0.130 χ^2/NDF : 931829.3/22

+ sign 794.974 ± 0.111 χ^2/NDF : 3049491.4/49

All: 799.238 ± 0.079 χ^2/NDF : 6620517.5/100

- sign 803.618 ± 0.112 χ^2/NDF : 3568021.7/50

asym_right_avg_mean vs Slug



Right In: 1501.068 $\pm$ 402.577 χ^2 /NDF: 23.3/24

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

Right Out: -1489.282 $\pm$ 400.616 χ^2 /NDF: 19.9/26

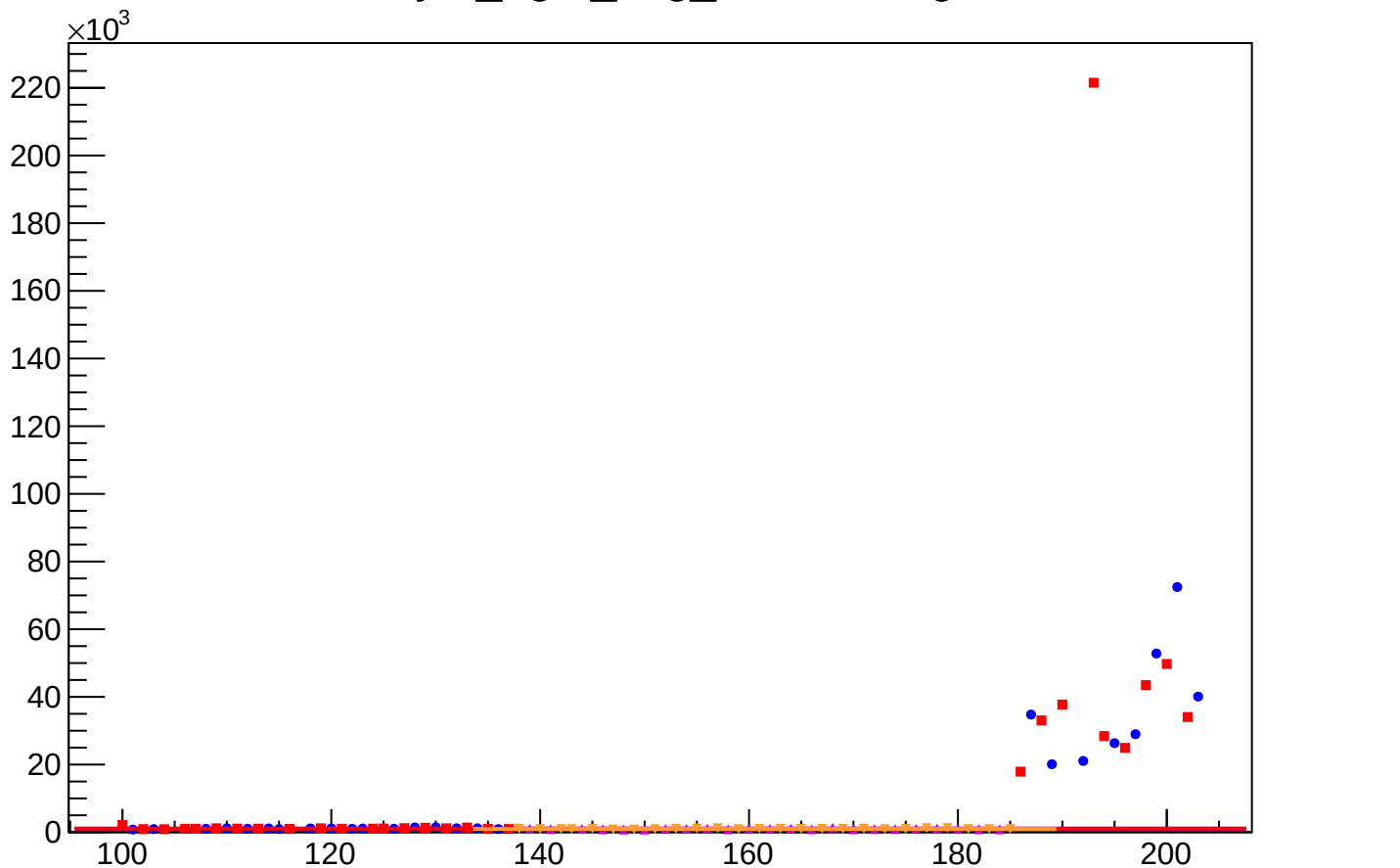
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 921.532 $\pm$ 196.761 χ^2 /NDF: 47.6/49

All: -131.948 $\pm$ 140.092 χ^2 /NDF: 151.6/99

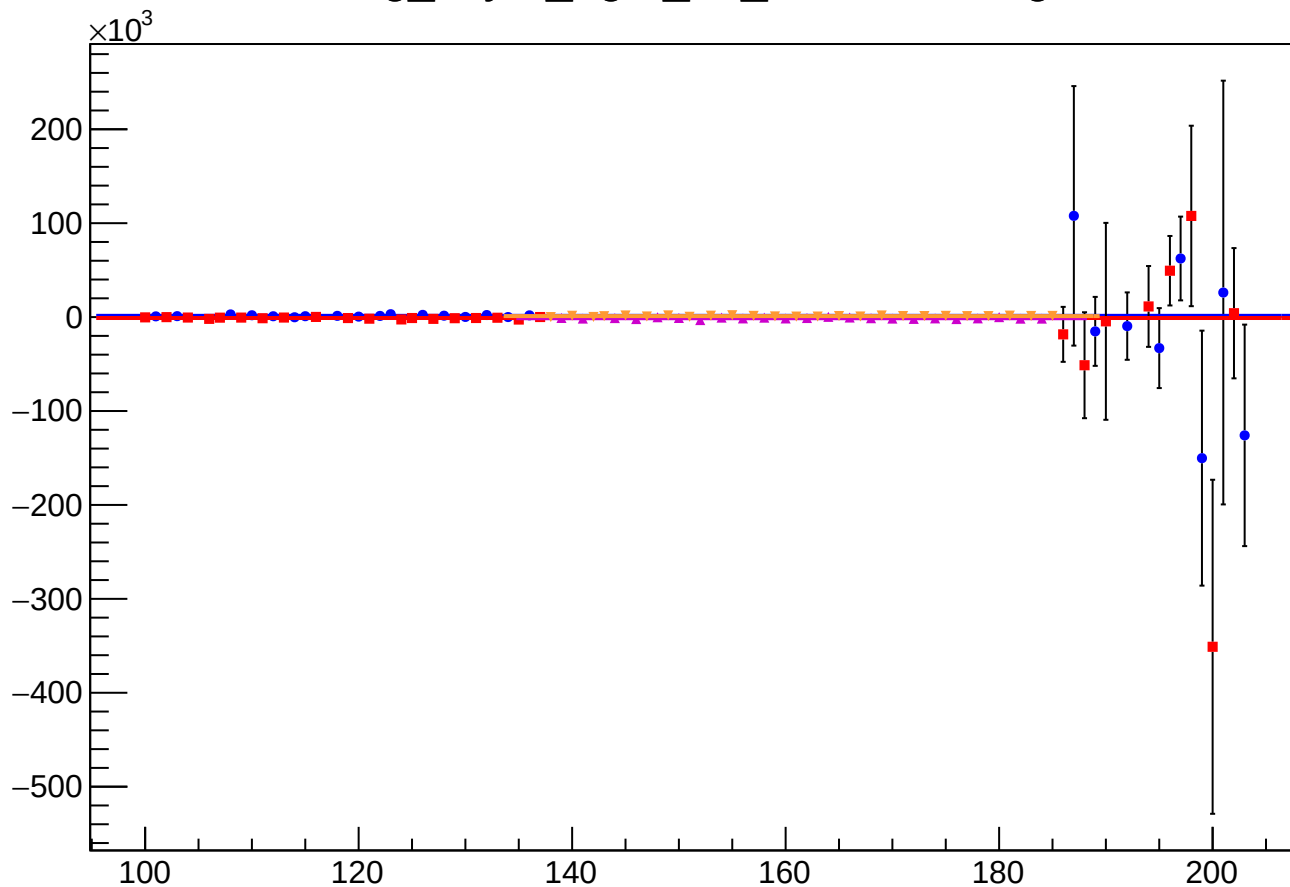
- sign -1215.033 $\pm$ 199.507 χ^2 /NDF: 45.9/49

asym_right_avg_rms vs Slug



Right In: 1032.920 $\pm$ 0.285 χ^2 /NDF: 3912738.9/24 + sign 979.136 $\pm$ 0.139 χ^2 /NDF: 4322578.6/49
 Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF: 362937.6/24 All: 981.241 $\pm$ 0.099 χ^2 /NDF: 9481791.1/100
 Right Out: 1070.617 $\pm$ 0.283 χ^2 /NDF: 4589312.0/27 - sign 983.406 $\pm$ 0.141 χ^2 /NDF: 5158748.2/50
 Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1344.428 $\pm$ 218.840 χ^2/NDF : 17.8/24

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

Right Out: -965.058 $\pm$ 208.599 χ^2/NDF : 20.5/26

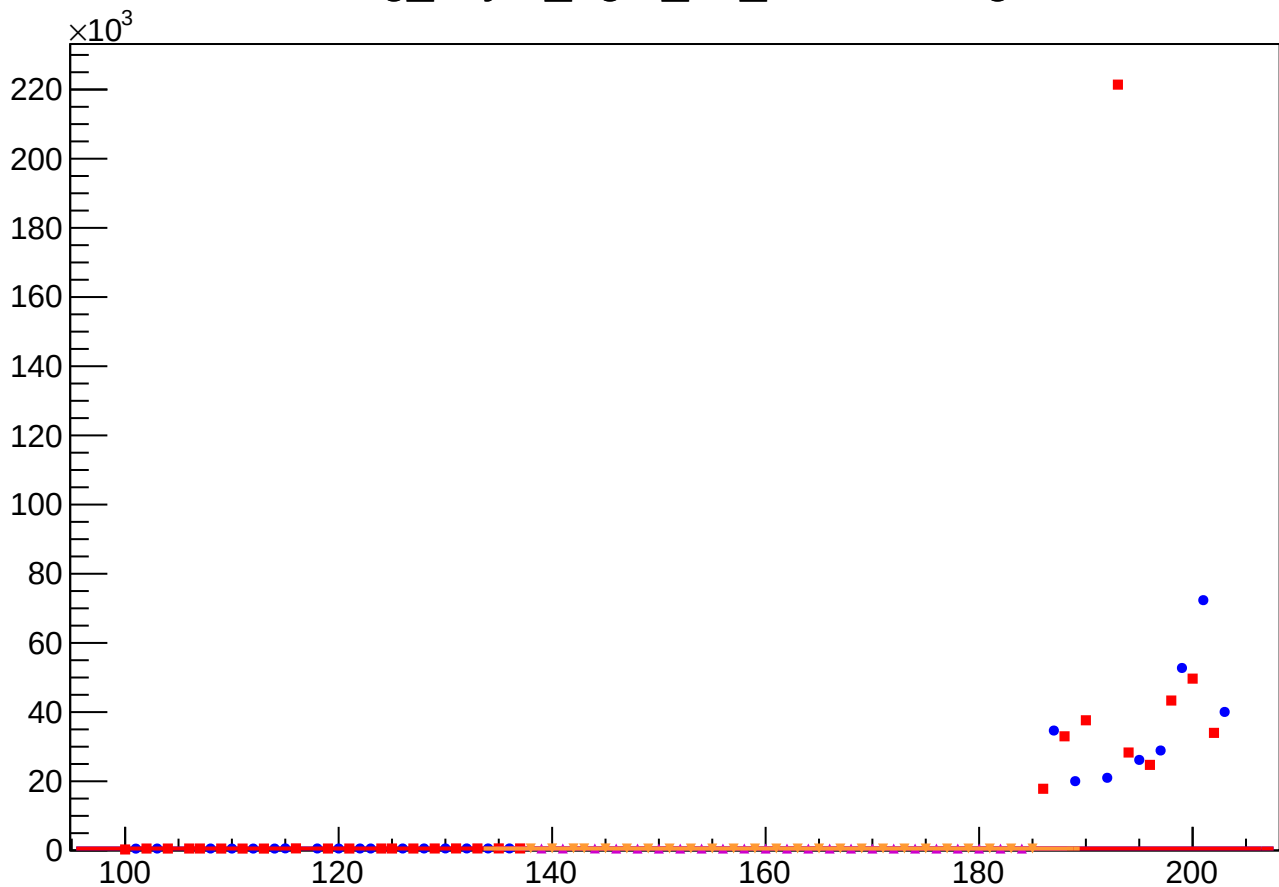
Left In: -1189.481 $\pm$ 133.313 χ^2/NDF : 32.2/22

+ sign 1154.474 $\pm$ 111.653 χ^2/NDF : 33.8/49

All: 21.948 $\pm$ 79.190 χ^2/NDF : 294.3/99

- sign -1124.400 $\pm$ 112.333 χ^2/NDF : 53.4/49

reg_asym_right_dd_rms vs Slug



Right In: 567.467 $\pm$ 0.155 χ^2 /NDF: 3711467.2/24

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

Right Out: 557.990 $\pm$ 0.148 χ^2 /NDF: 4645902.4/27

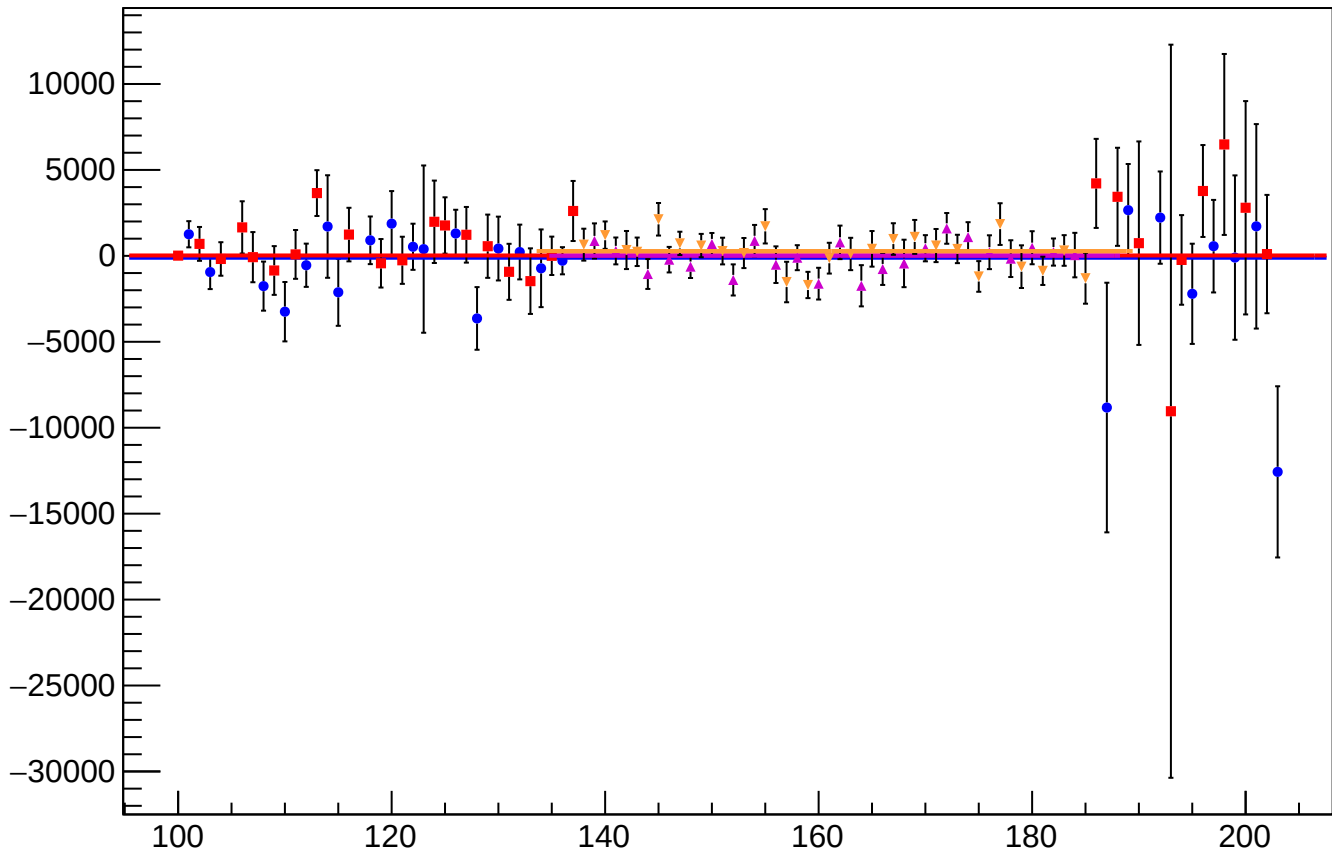
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF: 11276.8/22

+ sign 560.538 $\pm$ 0.079 χ^2 /NDF: 3728963.6/49

All: 559.133 $\pm$ 0.056 χ^2 /NDF: 8386785.1/100

- sign 557.711 $\pm$ 0.079 χ^2 /NDF: 4657184.2/50

asym_right_dd_correction_mean vs Slug



Right In: -109.196 ± 317.202 χ^2/NDF : 27.2/24

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

Right Out: 22.875 ± 38.933 χ^2/NDF : 23.8/27

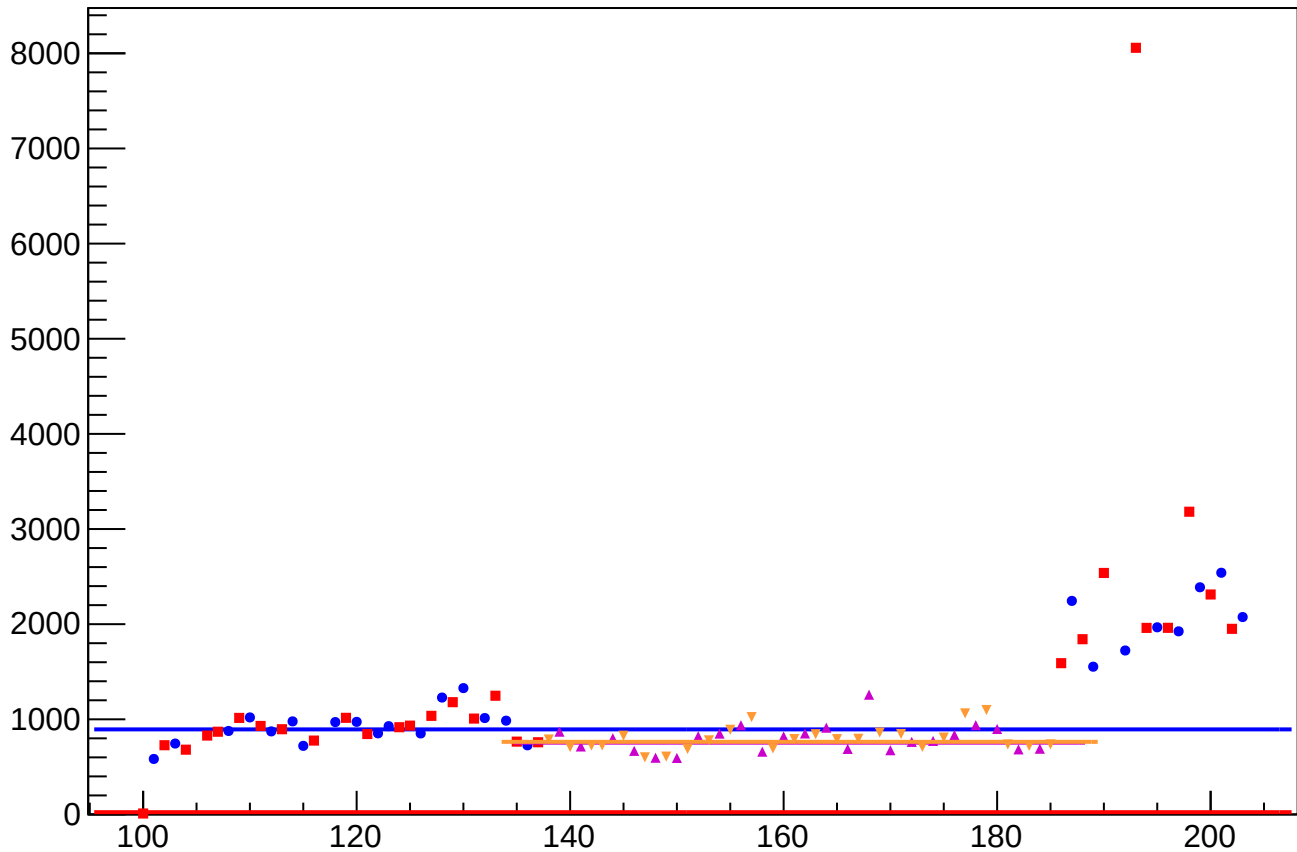
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 185.879 ± 156.865 χ^2/NDF : 55.2/49

All: 31.316 ± 37.010 χ^2/NDF : 100.1/100

- sign 22.205 ± 38.085 χ^2/NDF : 43.9/50

asym_right_dd_correction_rms vs Slug



Right In: 894.078 $\pm$ 0.224 χ^2 /NDF: 2105933.6/24

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

Right Out: 23.953 $\pm$ 0.028 χ^2 /NDF: 1944539.1/27

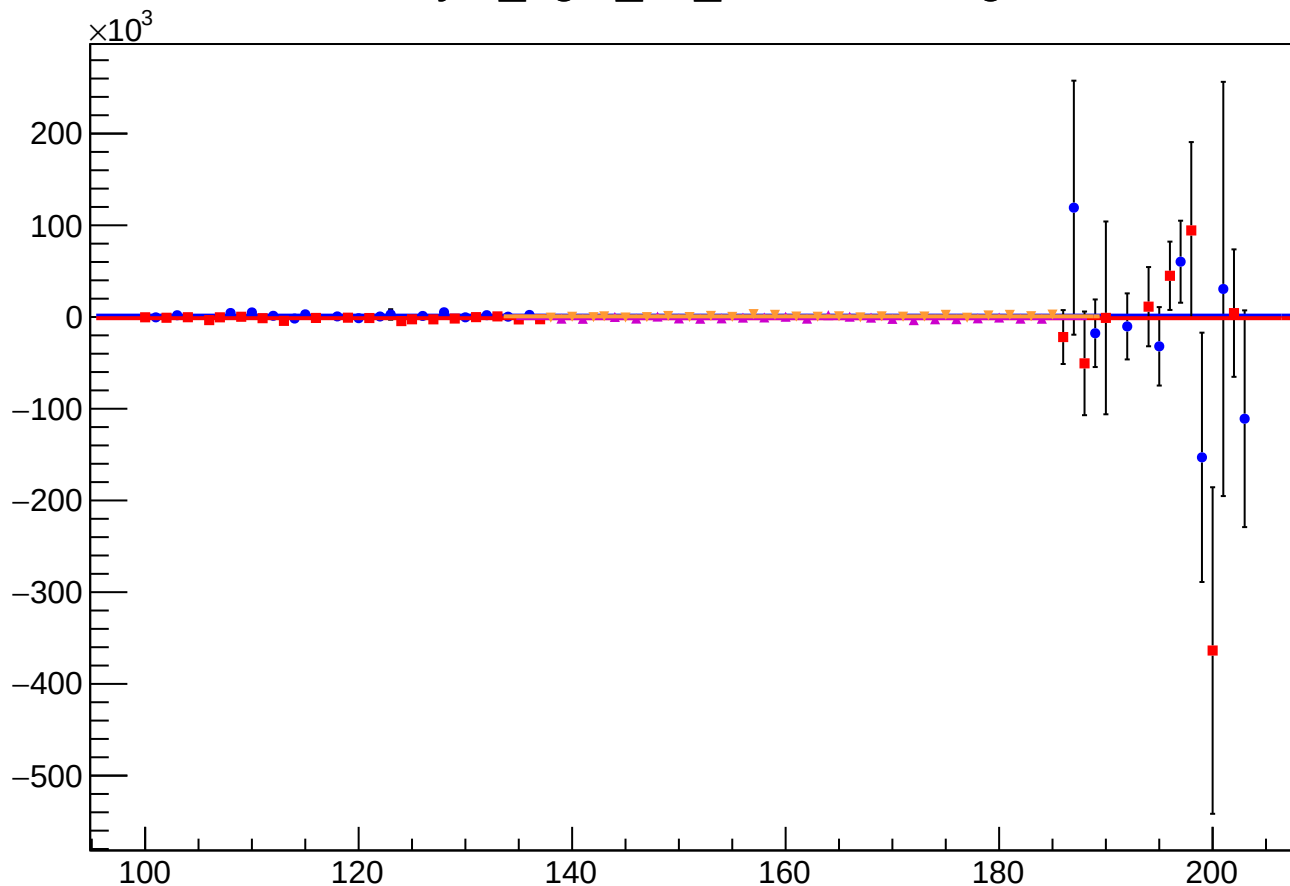
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 795.288 $\pm$ 0.111 χ^2 /NDF: 3116456.2/49

All: 96.616 $\pm$ 0.026 χ^2 /NDF: 95849324.6/100

- sign 55.431 $\pm$ 0.027 χ^2 /NDF: 50718252.4/50

asym_right_dd_mean vs Slug



Right In: 1515.943 $\pm$ 402.800 χ^2 /NDF: 23.5/24

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

Right Out: -1287.405 $\pm$ 376.595 χ^2 /NDF: 20.4/26

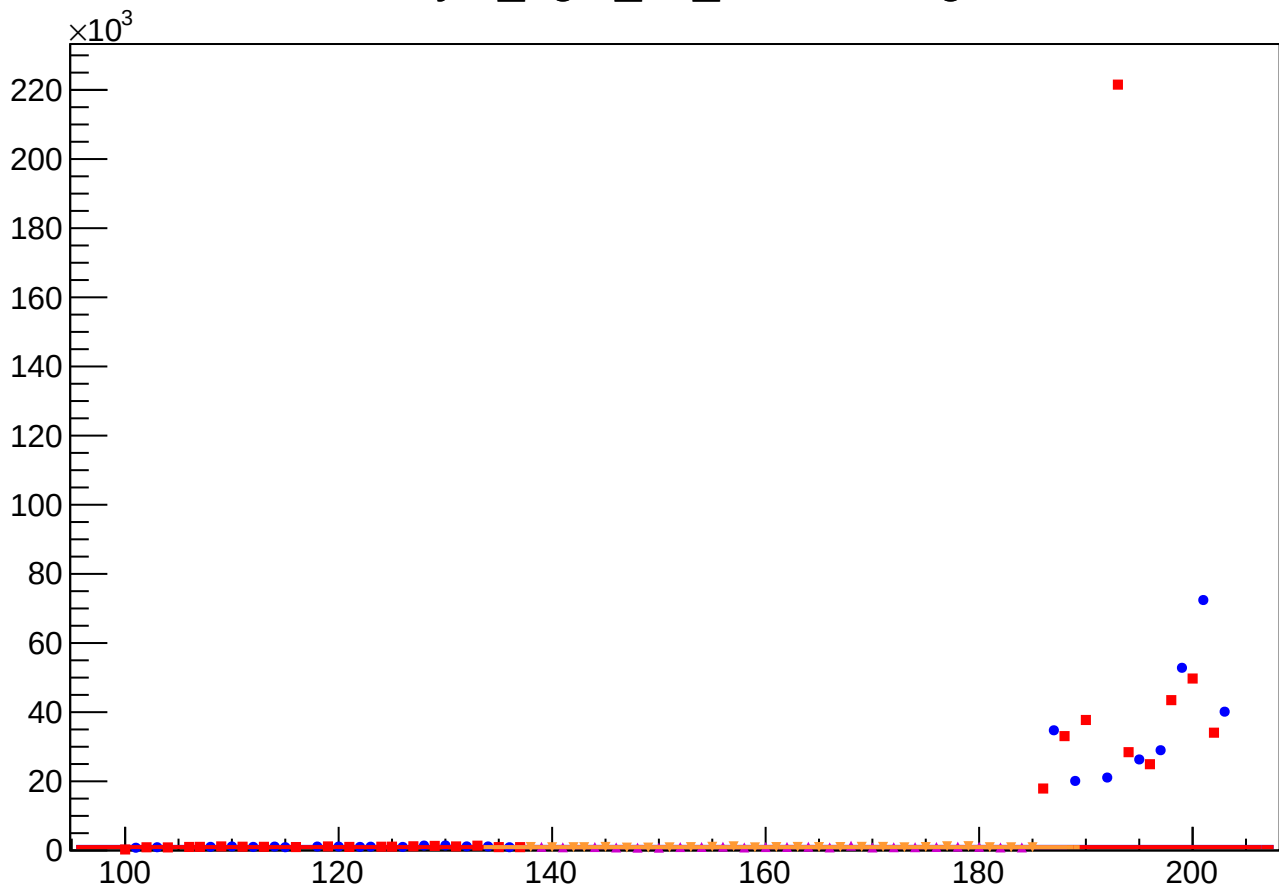
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 927.505 $\pm$ 196.869 χ^2 /NDF: 46.5/49

All: -141.892 $\pm$ 139.052 χ^2 /NDF: 150.0/99

- sign -1206.519 $\pm$ 196.430 χ^2 /NDF: 44.7/49

asym_right_dd_rms vs Slug



Right In: 1033.499+/-0.285 χ^2/NDF : 3913052.7/24

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

Right Out: 975.424+/-0.266 χ^2/NDF : 5455512.2/27

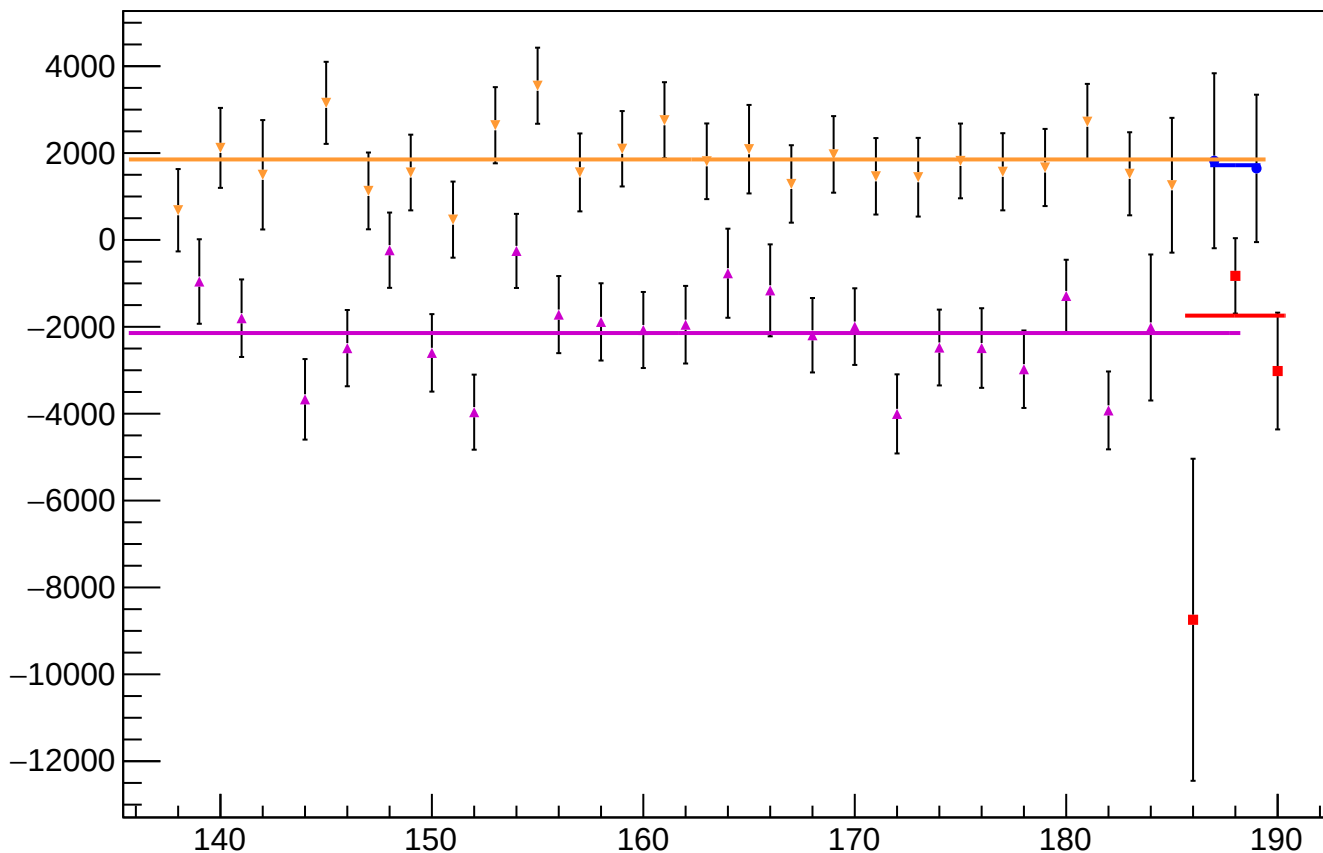
Left In: 955.331+/-0.163 χ^2/NDF :443068.5/22

+ sign 979.671+/-0.139 χ^2/NDF : 4322817.8/49

All: 970.213+/-0.098 χ^2/NDF : 10234754.3/10

- sign 960.797+/-0.139 χ^2/NDF : 5902725.3/50

cor_asym_us_avg_mean vs Slug



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

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

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

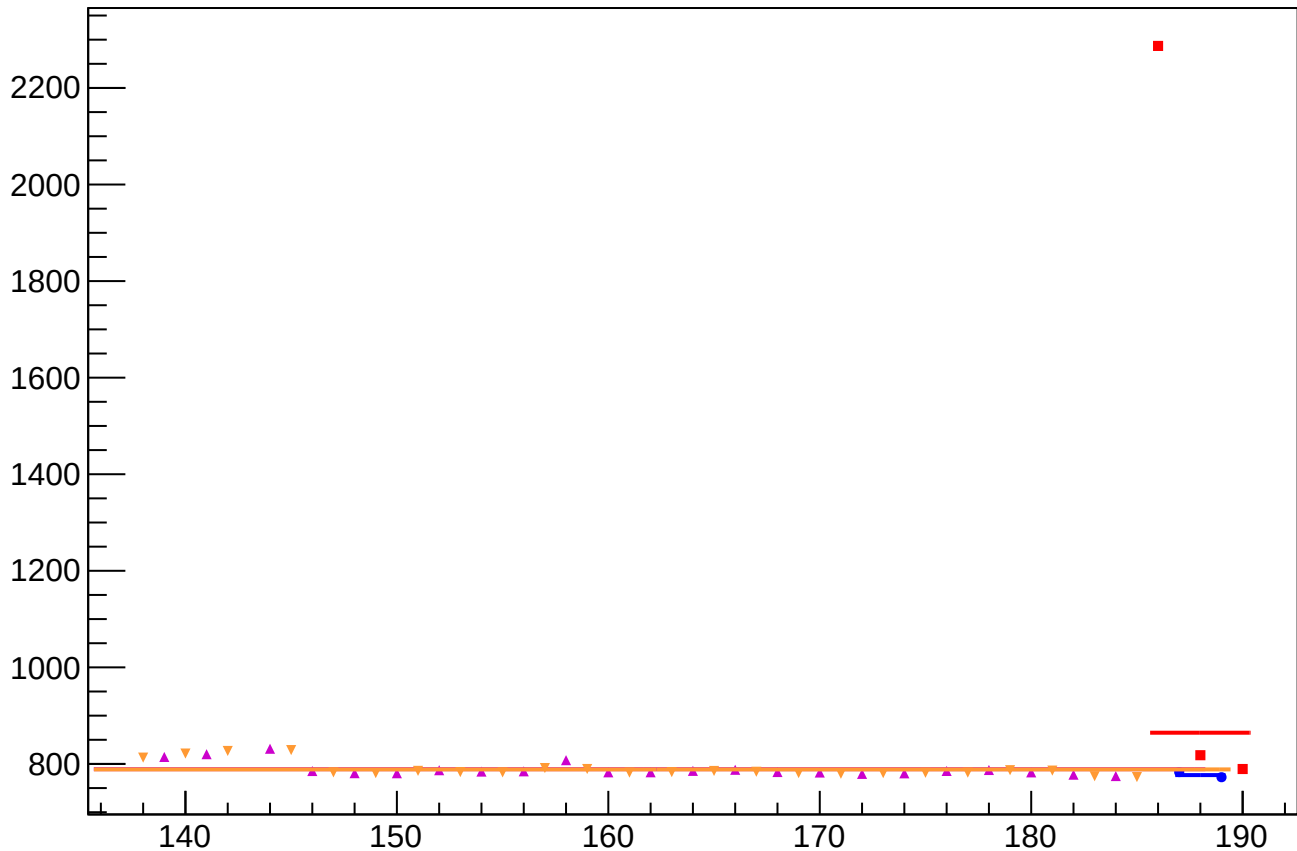
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

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

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

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

cor_asym_us_avg_rms vs Slug



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

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

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

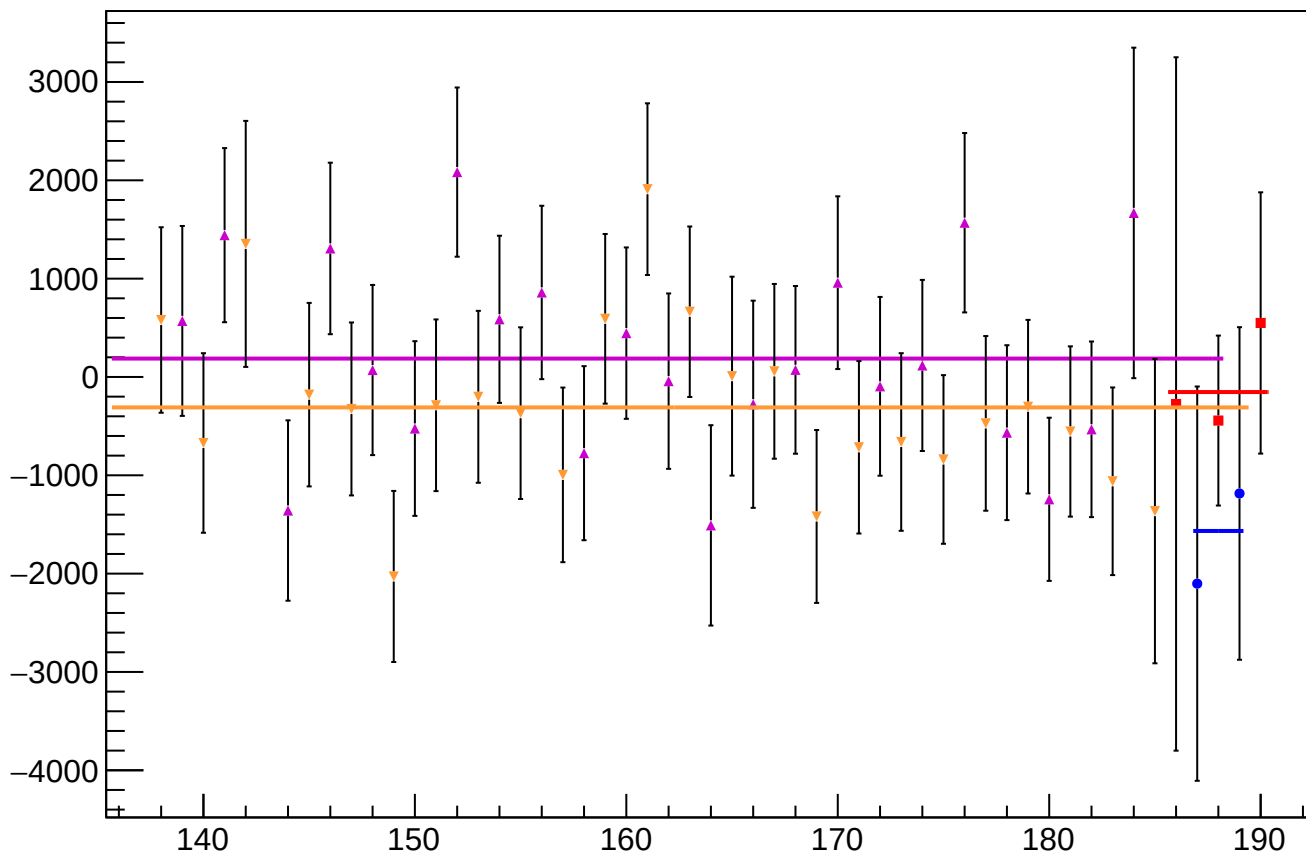
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

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

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

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

cor_asym_us_dd_mean vs Slug



Right In: -1566.105 $\pm$ 1292.689 χ^2 /NDF: 0.1/1

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

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

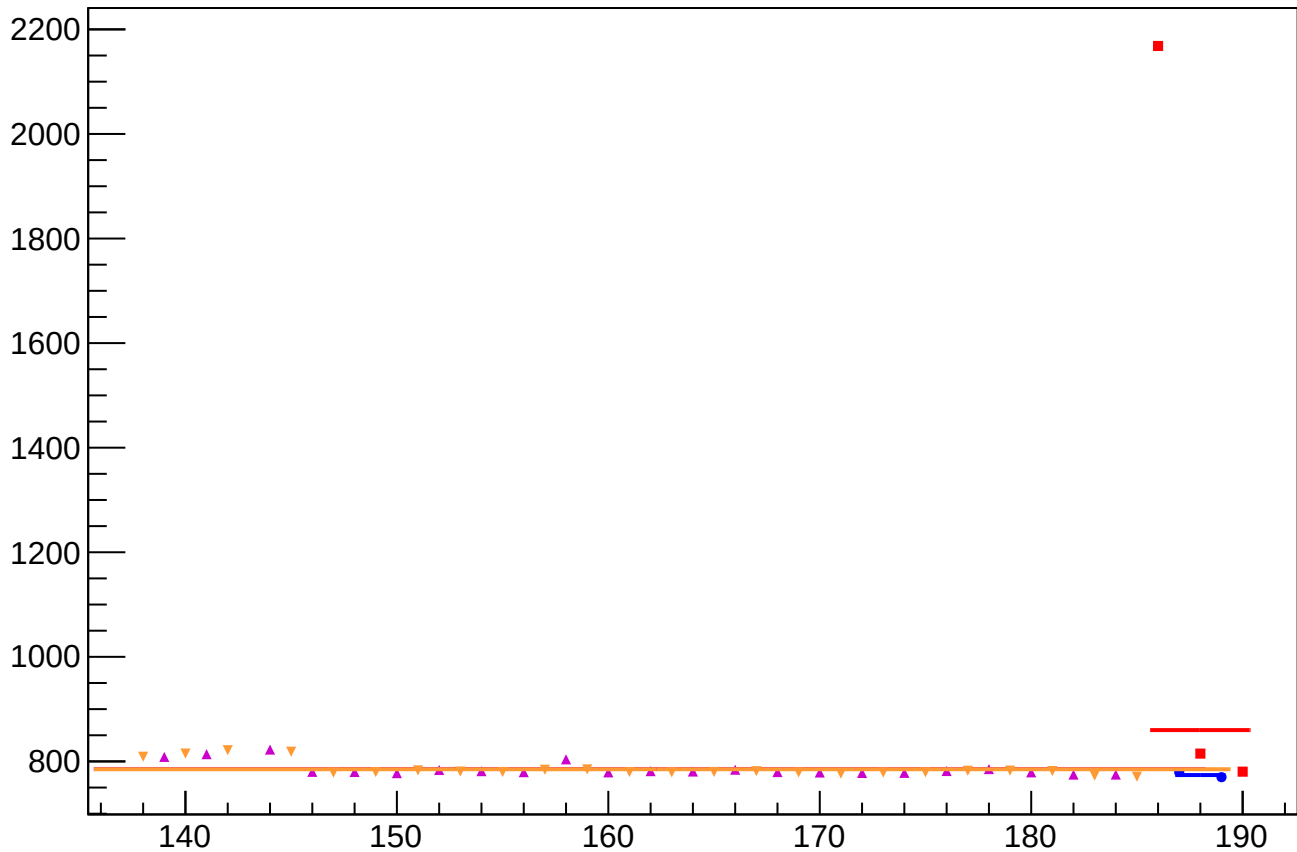
Left In: 187.105 $\pm$ 189.265 χ^2 /NDF: 25.6/22

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

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

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

cor_asym_us_dd_rms vs Slug



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

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

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

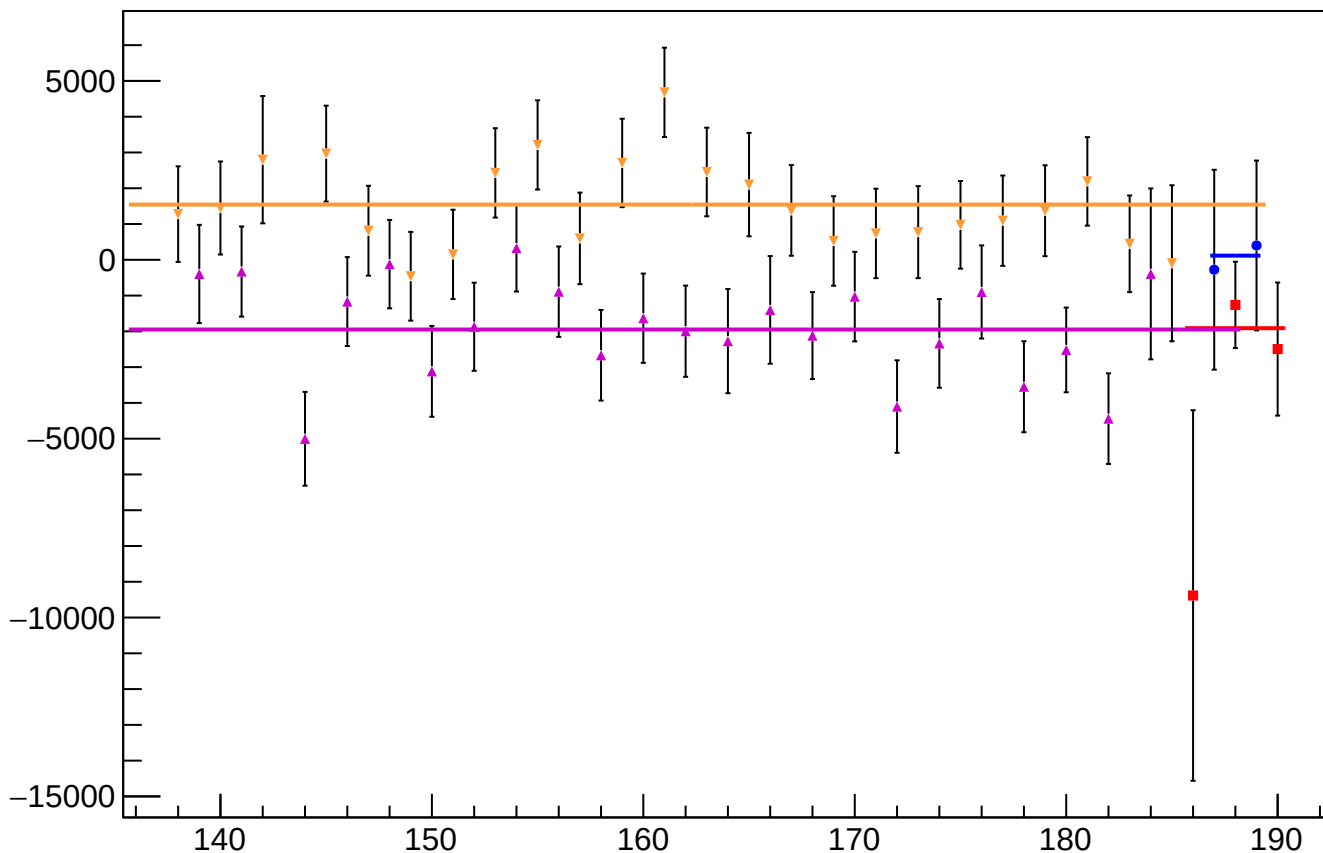
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

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

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

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

cor_asym_usl_mean vs Slug



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

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

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

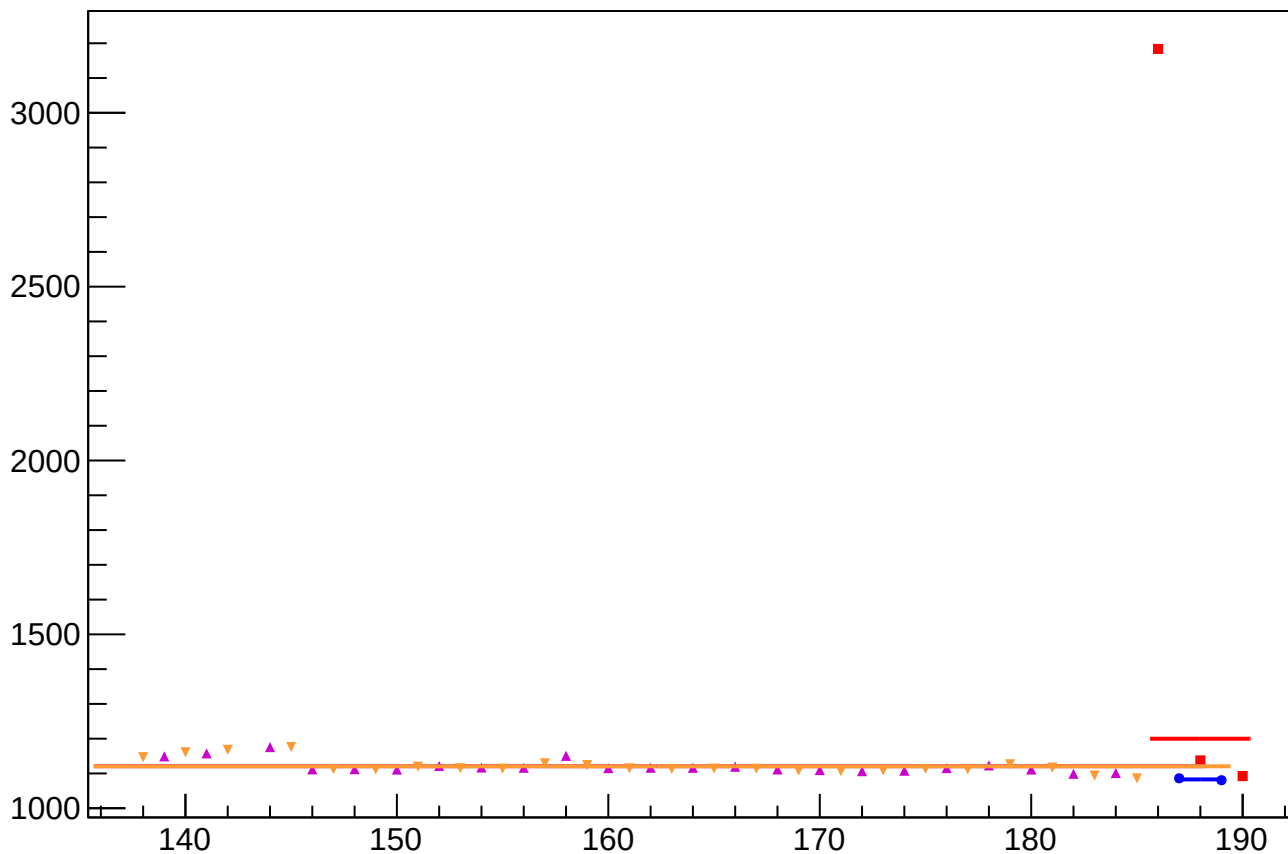
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



Right In: 1082.866+/-1.279 χ^2/NDF : 4.6/1

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

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

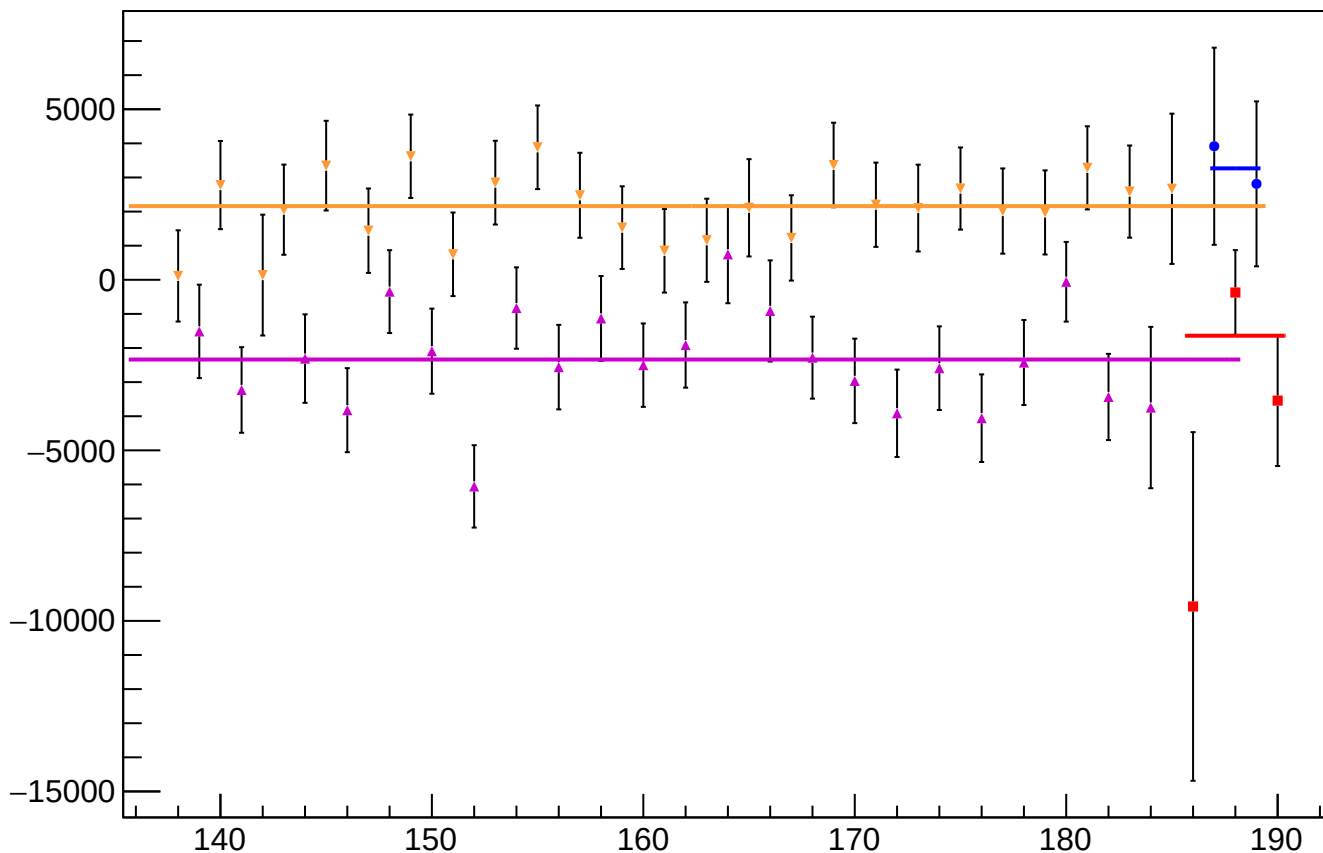
Left In: 1120.977+/-0.191 χ^2/NDF : 9259.6/22

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

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

- sign 1126.407+/-0.184 χ^2/NDF : 326357.4/25

cor_asym_usr_mean vs Slug



Right In: 3266.922+/-1854.338 χ^2/NDF : 0.1/1

Left Out: 2159.879+/-257.526 χ^2/NDF :15.0/24

Right Out: -1639.449+/-1022.123 χ^2/NDF : 4.4/2

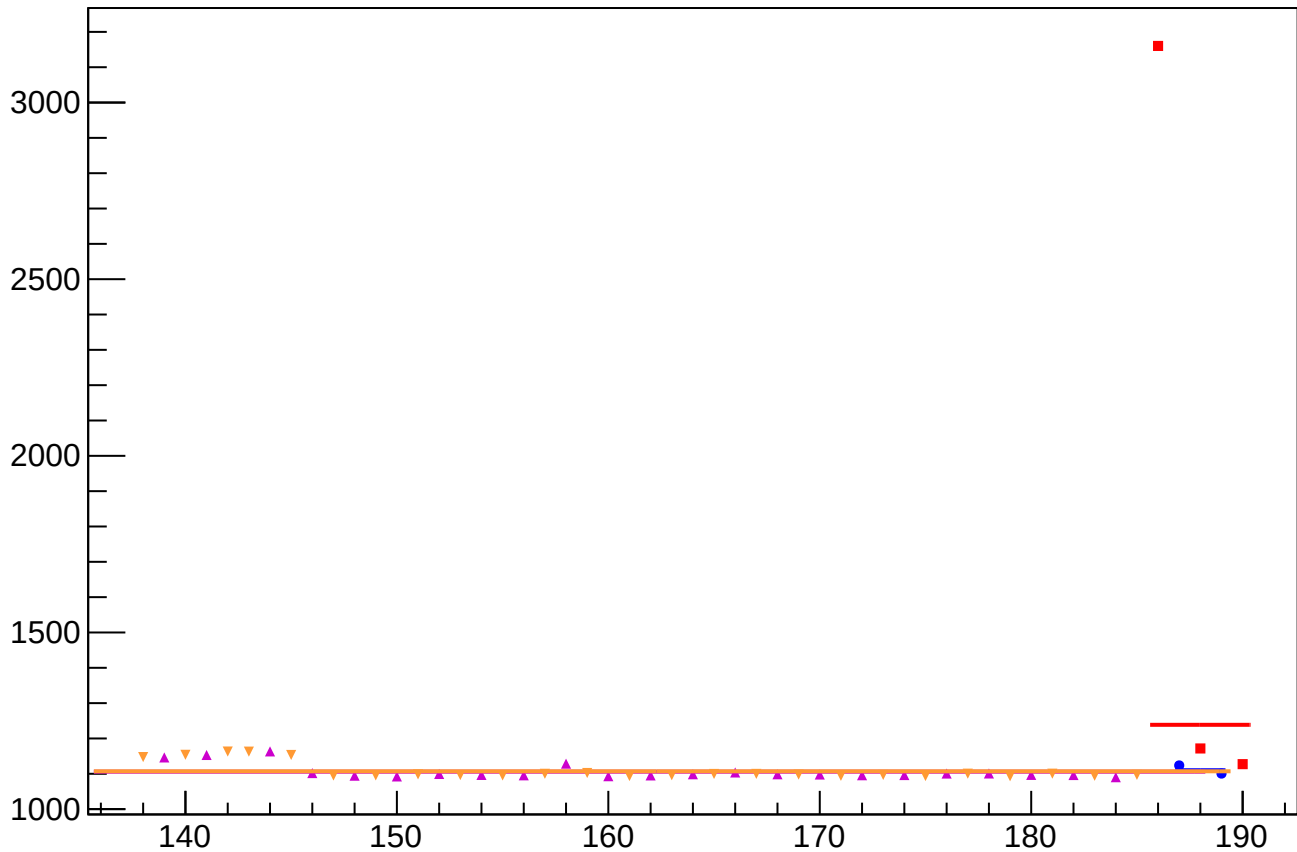
Left In: -2337.232+/-266.468 χ^2/NDF :31.3/22

+ sign 2180.827+/-255.078 χ^2/NDF : 15.4/26

All: -31.822+/-181.339 χ^2/NDF : 203.7/52

- sign -2292.825+/-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

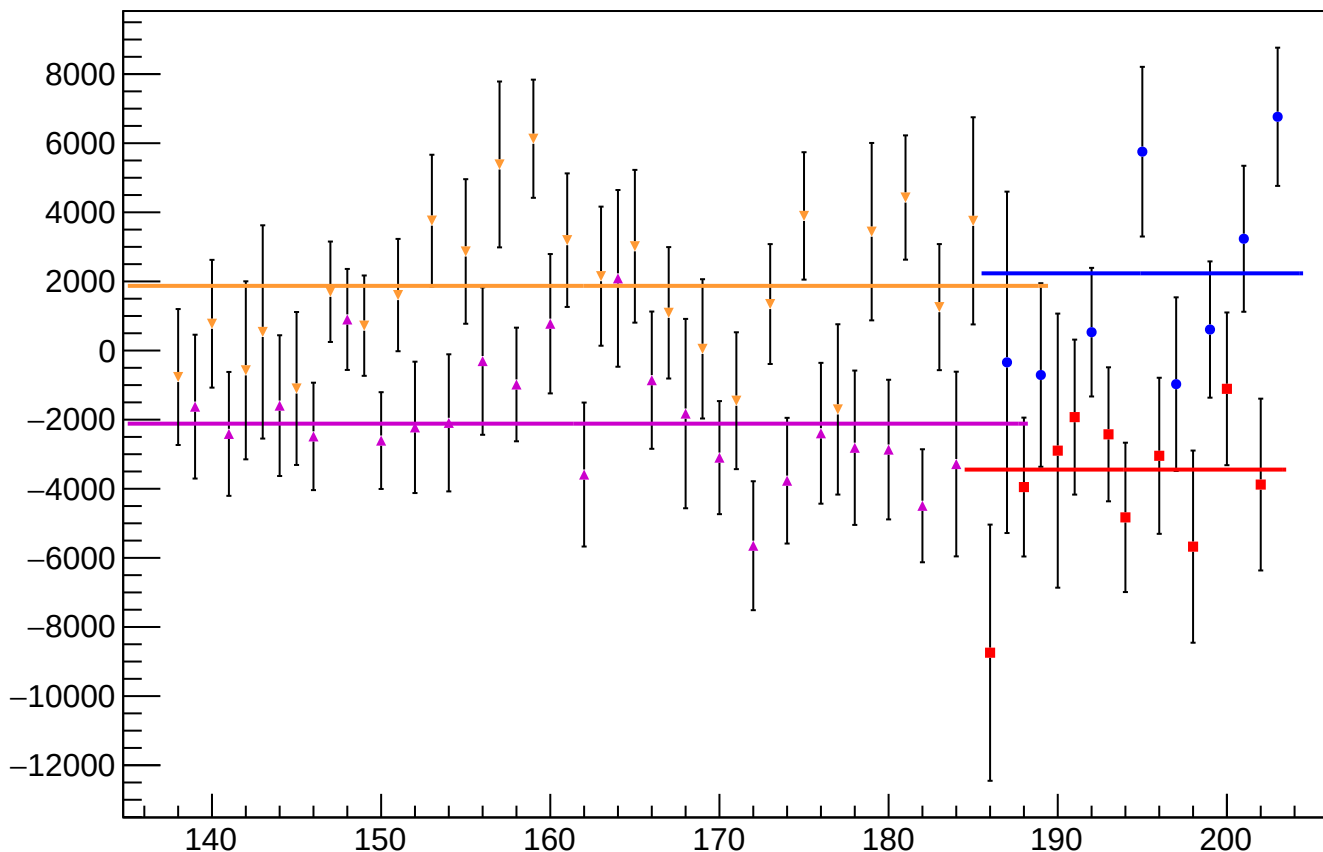
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

+ 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: 2234.044 ± 809.218 χ^2/NDF : 12.1/7

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

Right Out: -3445.241 ± 754.833 χ^2/NDF : 5.1/9

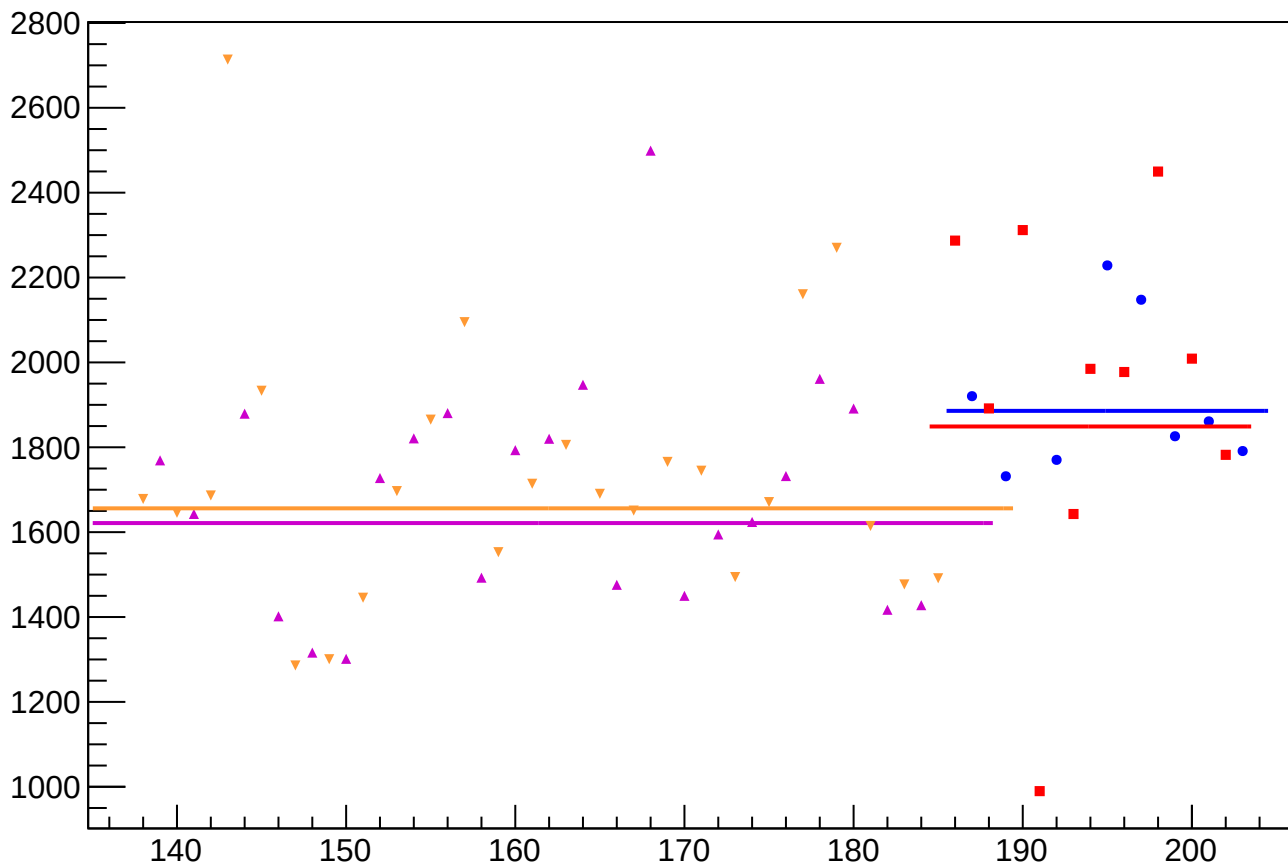
Left In: -2116.114 ± 392.997 χ^2/NDF : 18.8/22

+ sign 1940.427 ± 352.556 χ^2/NDF : 38.3/32

All: -254.168 ± 247.878 χ^2/NDF : 141.3/65

- sign -2399.563 ± 348.582 χ^2/NDF : 26.3/32

asym_us_agg_avg_rms vs Slug



Right In: 1885.815 ± 0.572 χ^2/NDF : 81838.5/7

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

Right Out: 1849.003 ± 0.534 χ^2/NDF : 491992.3/9

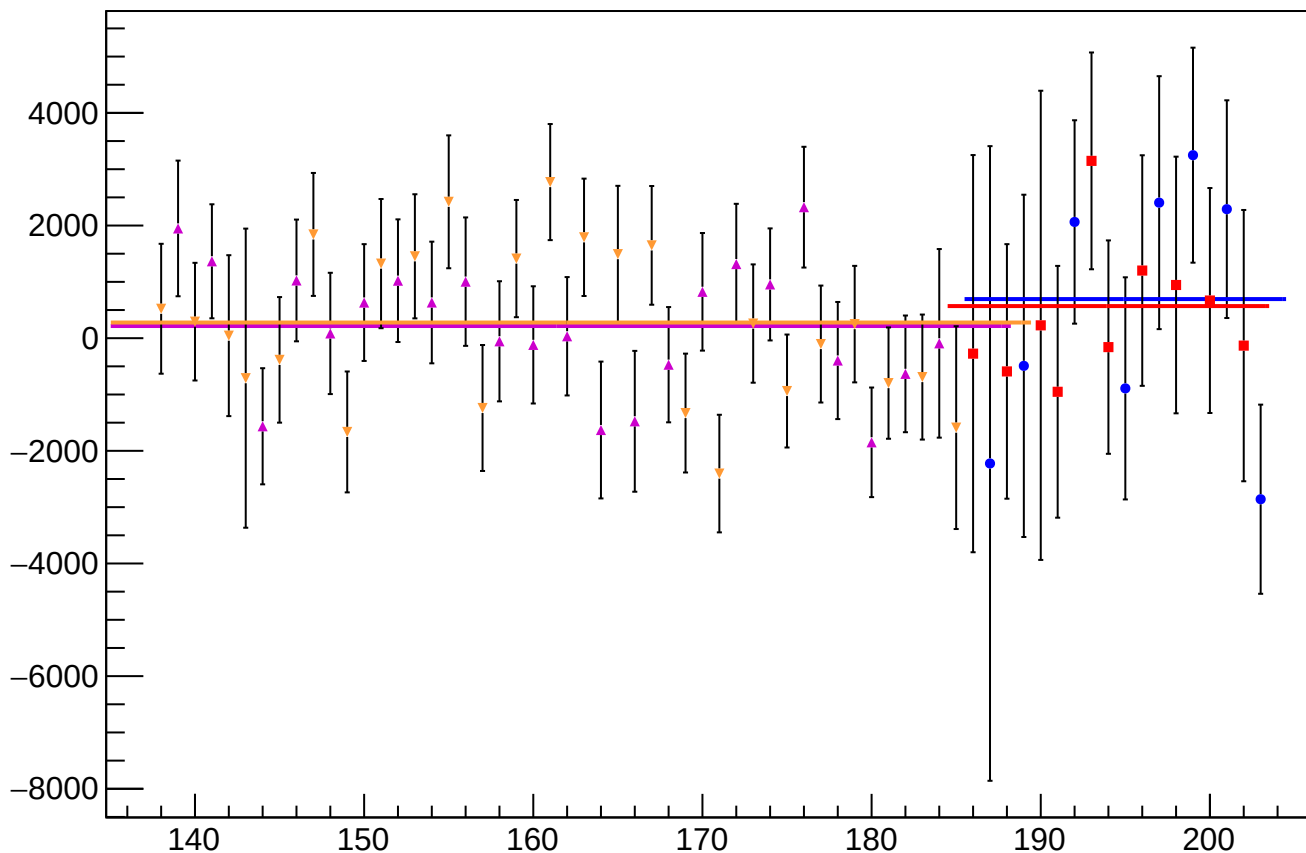
Left In: 1621.417 ± 0.278 χ^2/NDF : 775310.1/22

+ sign 1699.719 ± 0.249 χ^2/NDF : 1122966.1/32

All: 1684.666 ± 0.175 χ^2/NDF : 2540516.4/65

- sign 1669.952 ± 0.246 χ^2/NDF : 1410340.8/32

asym_us_agg_dd_mean vs Slug



Right In: 694.408 ± 745.589 $\chi^2/\text{NDF}: 9.2/7$

Left Out: 278.090 ± 223.581 $\chi^2/\text{NDF}: 38.4/24$

Right Out: 570.120 ± 718.484 $\chi^2/\text{NDF}: 2.9/9$

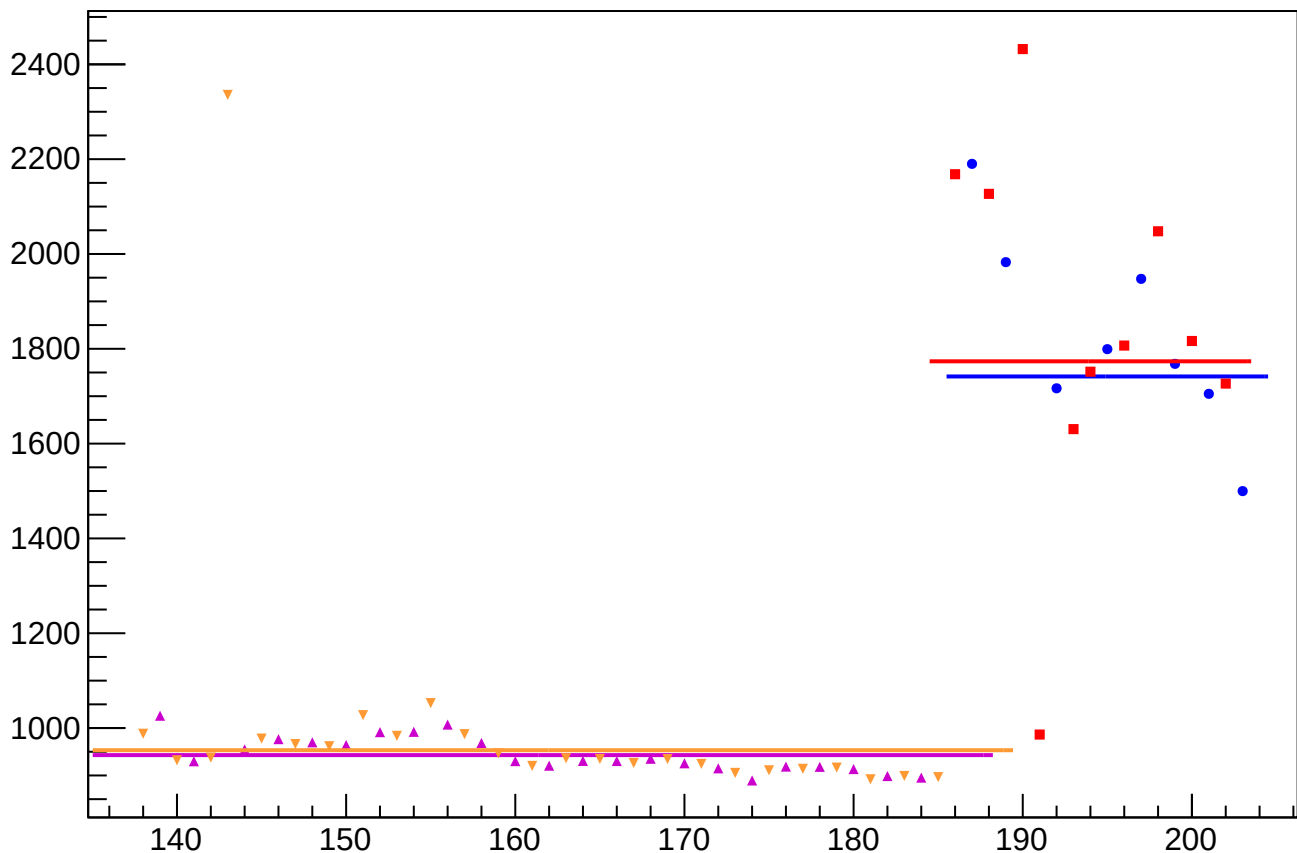
Left In: 216.121 ± 225.600 $\chi^2/\text{NDF}: 24.4/22$

+ sign 312.438 ± 214.159 $\chi^2/\text{NDF}: 47.9/32$

All: 280.327 ± 151.814 $\chi^2/\text{NDF}: 75.5/65$

- sign 247.890 ± 215.239 $\chi^2/\text{NDF}: 27.6/32$

asym_us_agg_dd_rms vs Slug



Right In: 1741.629+/-0.527 χ^2/NDF : 86748.2/7

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

Right Out: 1773.598+/-0.508 χ^2/NDF : 414575.2/9

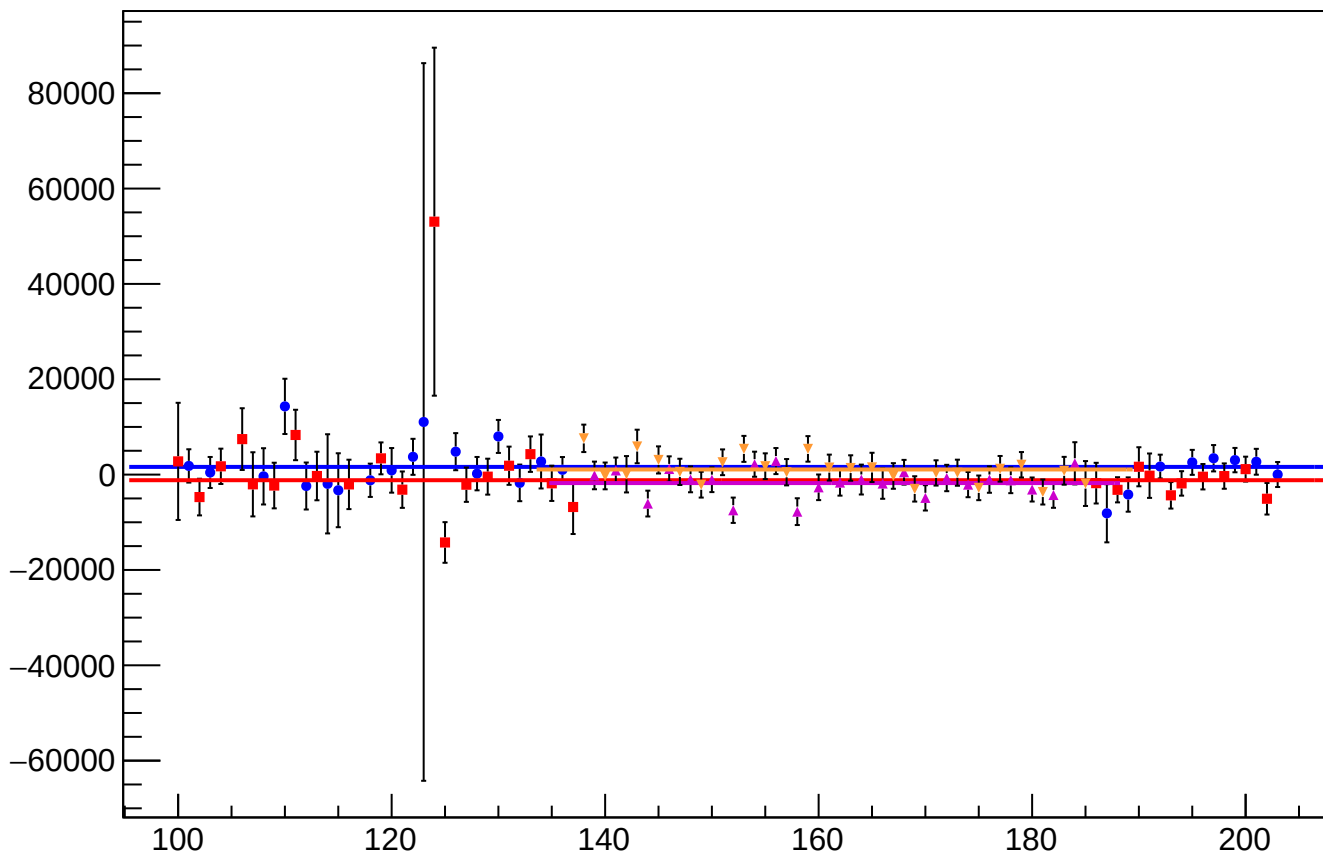
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1018.268+/-0.151 χ^2/NDF : 2744835.3/32

All: 1017.873+/-0.107 χ^2/NDF : 5641251.0/65

- sign 1017.475+/-0.152 χ^2/NDF : 2896402.0/32

reg_asym_atl1_mean vs Slug



Right In: 1614.927+/-716.908 χ^2/NDF : 18.9/24

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

Right Out: -1175.914+/-697.698 χ^2/NDF : 29.1/28

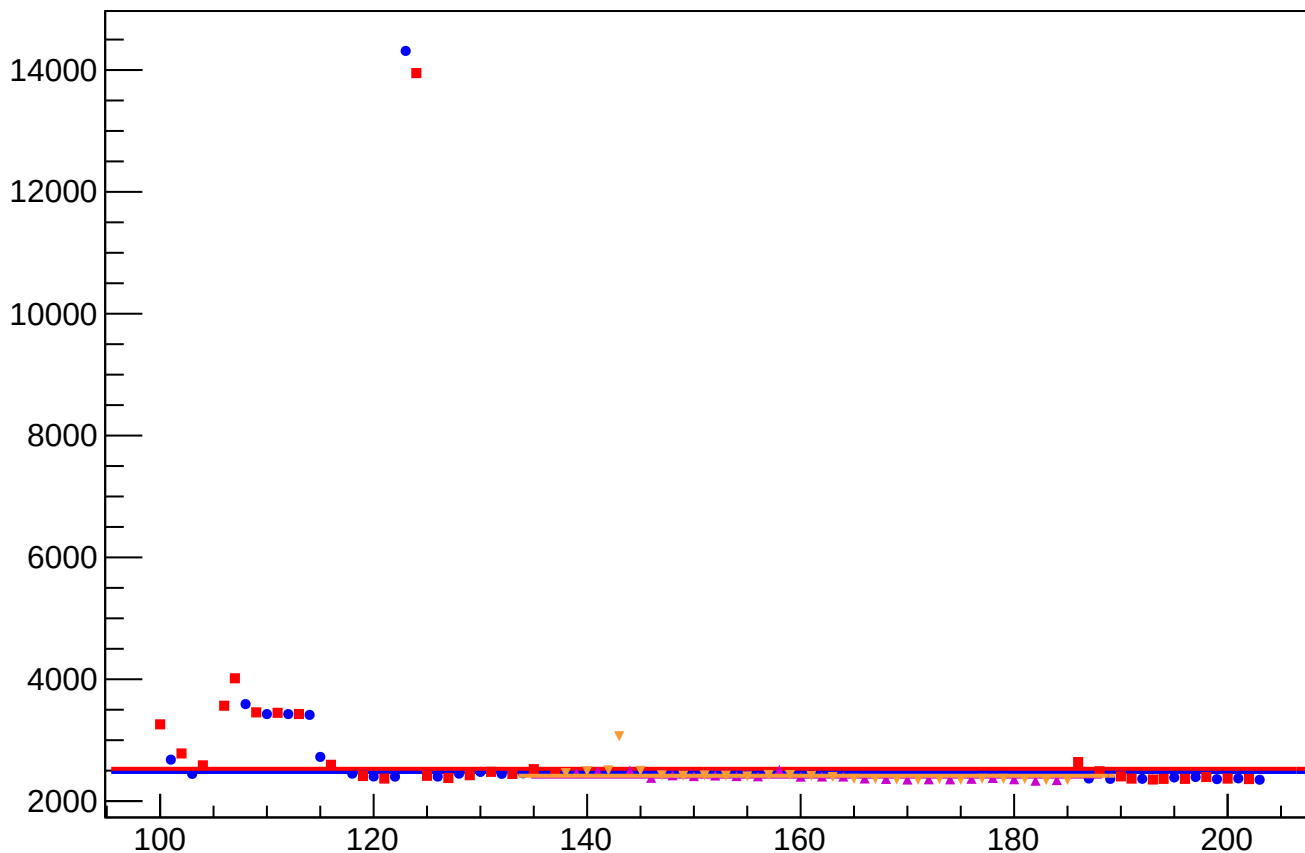
Left In: -1777.100+/-575.895 χ^2/NDF : 24.1/22

+ sign 1283.304+/-443.271 χ^2/NDF : 42.8/49

All: -122.337+/-313.746 χ^2/NDF : 116.6/101

- sign -1533.482+/-444.138 χ^2/NDF : 53.6/51

reg_asym_atl1_rms vs Slug



Right In: 2478.356 $\pm$ 0.507 χ^2 /NDF: 299333.4/24

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

Right Out: 2530.424 $\pm$ 0.493 χ^2 /NDF: 620543.0/28

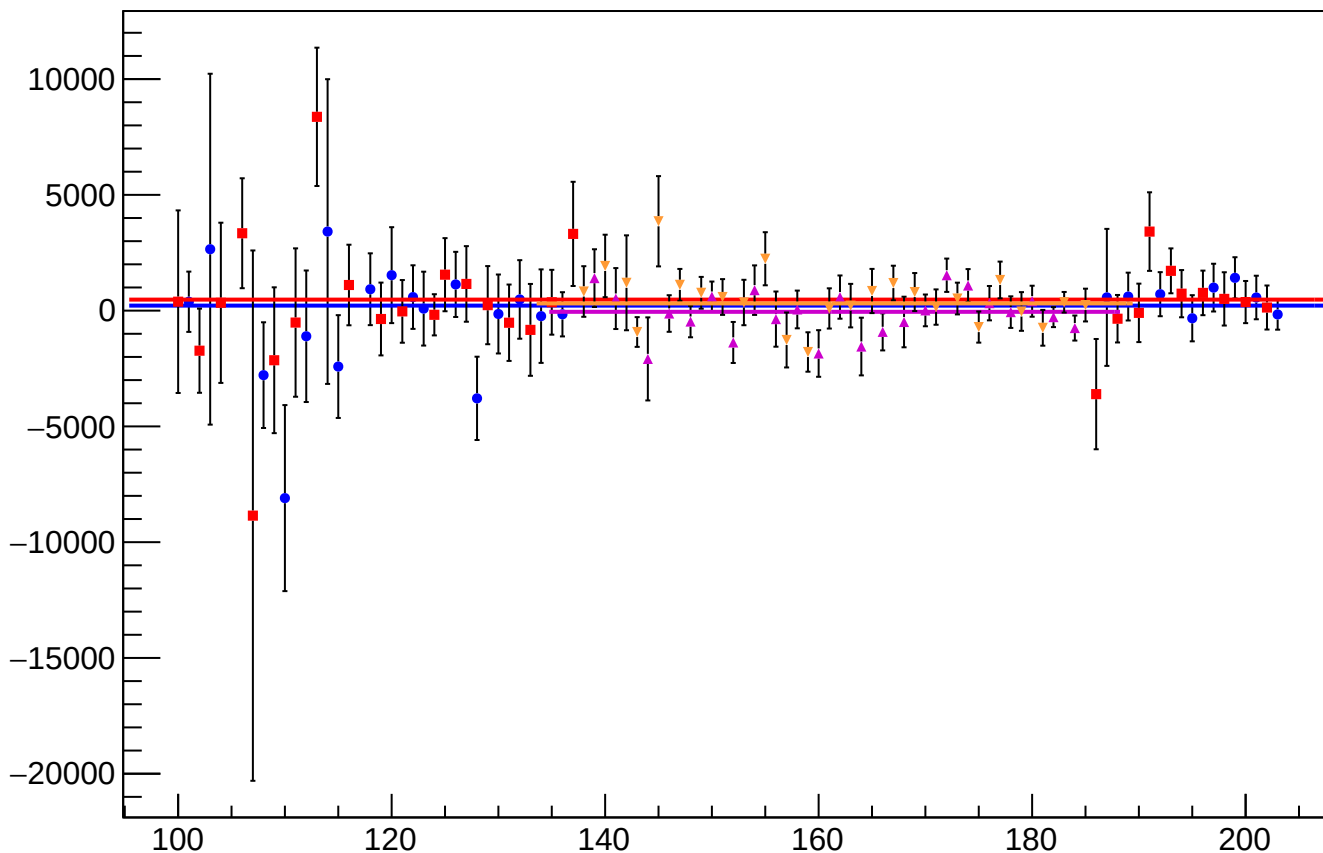
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2439.851 $\pm$ 0.313 χ^2 /NDF: 391309.7/49

All: 2446.760 $\pm$ 0.222 χ^2 /NDF: 1067240.6/10

- sign 2453.697 $\pm$ 0.314 χ^2 /NDF: 674957.1/51

asym_atl1_correction_mean vs Slug



Right In: 216.821 $\pm$ 263.171 χ^2 /NDF: 17.9/24

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

Right Out: 476.047 $\pm$ 265.170 χ^2 /NDF: 24.3/28

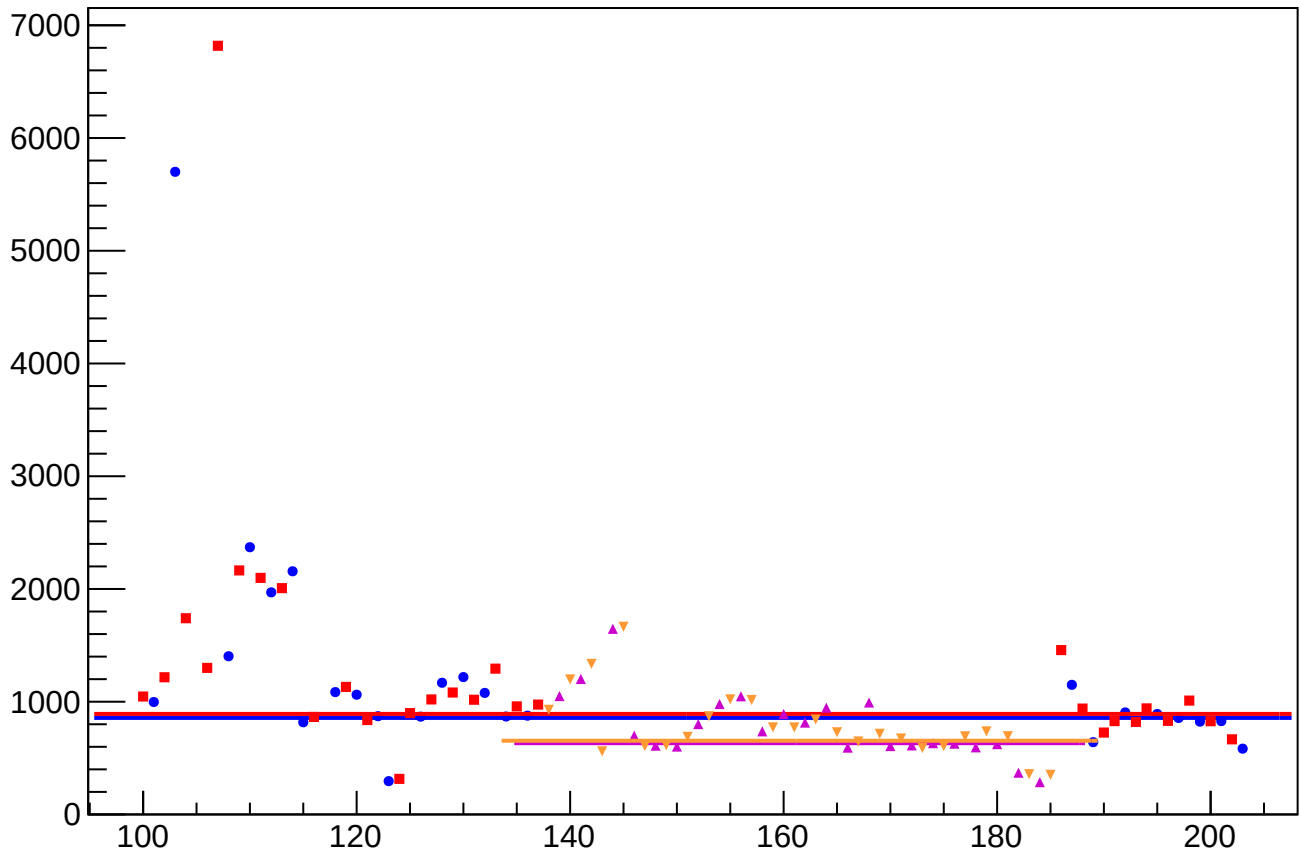
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF: 23.8/22

+ sign 285.340 $\pm$ 137.121 χ^2 /NDF: 47.8/49

All: 189.142 $\pm$ 97.298 χ^2 /NDF: 99.7/101

- sign 91.587 $\pm$ 138.084 χ^2 /NDF: 51.0/51

asym_atl1_correction_rms vs Slug



Right In: 856.439 ± 0.186 χ^2/NDF : 2585036.1/24

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

Right Out: 891.776 ± 0.188 χ^2/NDF : 3021338.6/28

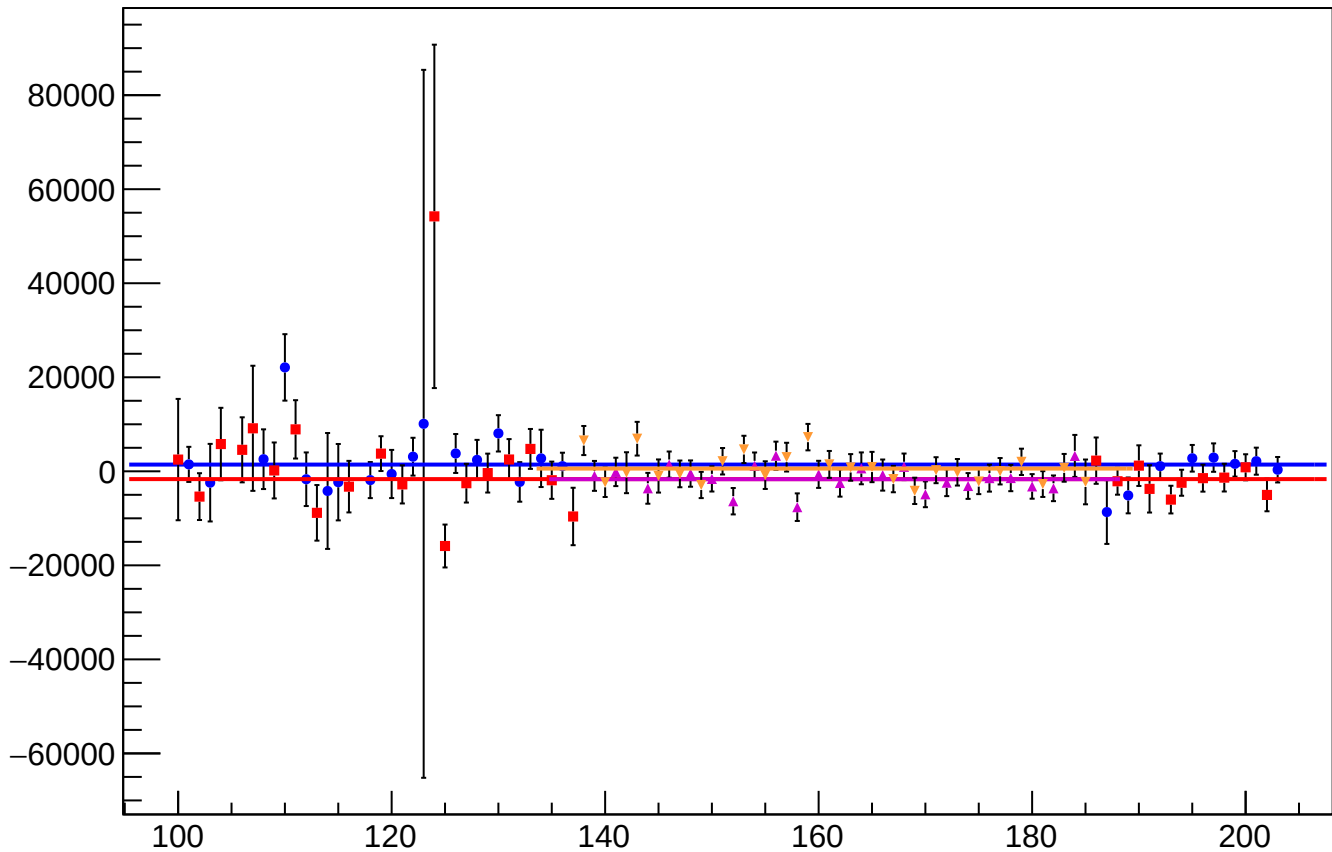
Left In: 632.053 ± 0.114 χ^2/NDF : 3942853.4/22

+ sign 708.814 ± 0.097 χ^2/NDF : 6703571.0/49

All: 705.670 ± 0.069 χ^2/NDF : 15068283.7/10

- sign 702.481 ± 0.098 χ^2/NDF : 8362595.1/51

asym_atl1_mean vs Slug



Right In: 1430.167 $\pm$ 791.384 χ^2 /NDF: 20.7/24

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

Right Out: -1659.170 $\pm$ 776.748 χ^2 /NDF: 32.3/28

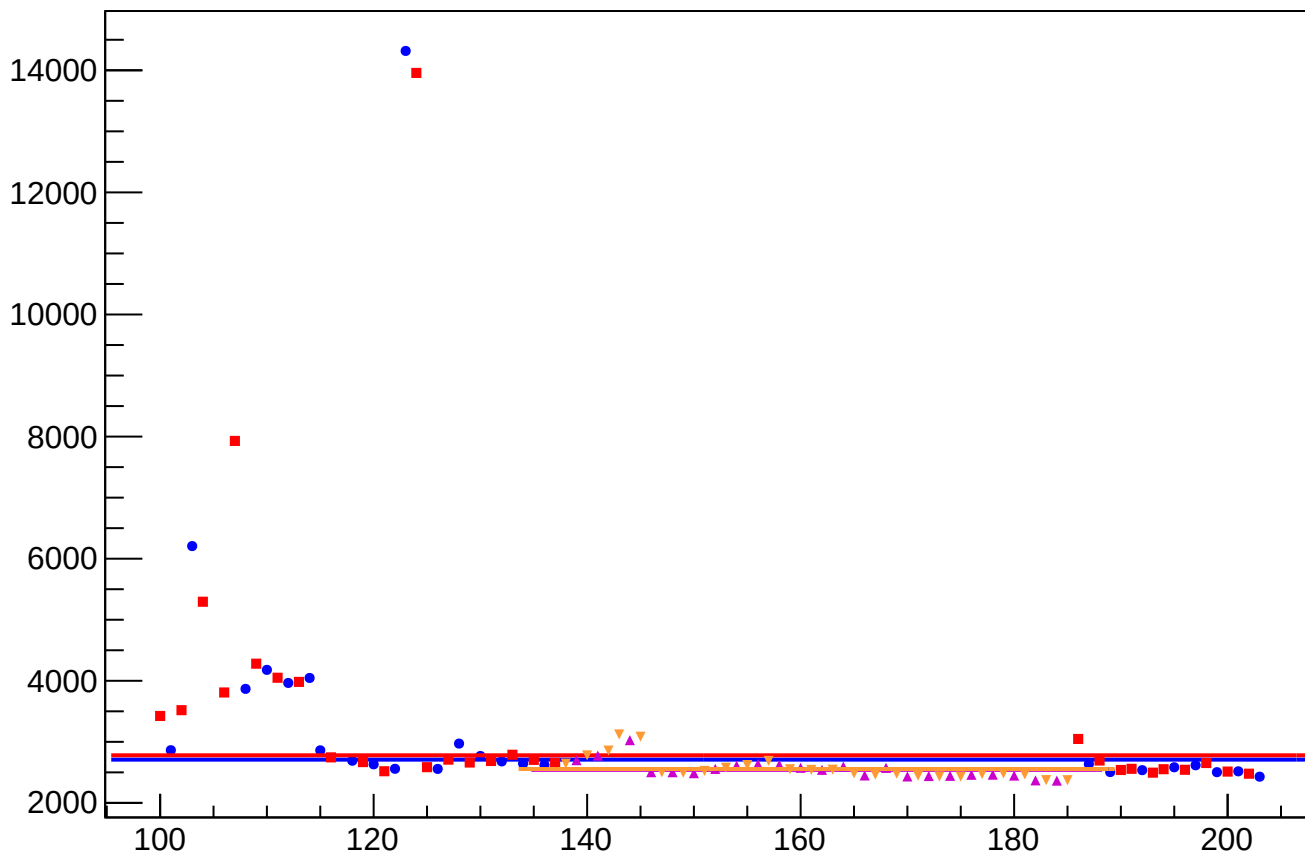
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 889.016 $\pm$ 476.685 χ^2 /NDF: 46.7/49

All: -383.051 $\pm$ 338.163 χ^2 /NDF: 111.5/101

- sign -1671.788 $\pm$ 479.799 χ^2 /NDF: 50.5/51

asym_atl1_rms vs Slug



Right In: 2708.657 $\pm$ 0.560 χ^2 /NDF: 763103.7/24

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

Right Out: 2779.629 $\pm$ 0.549 χ^2 /NDF: 1206511.1/28

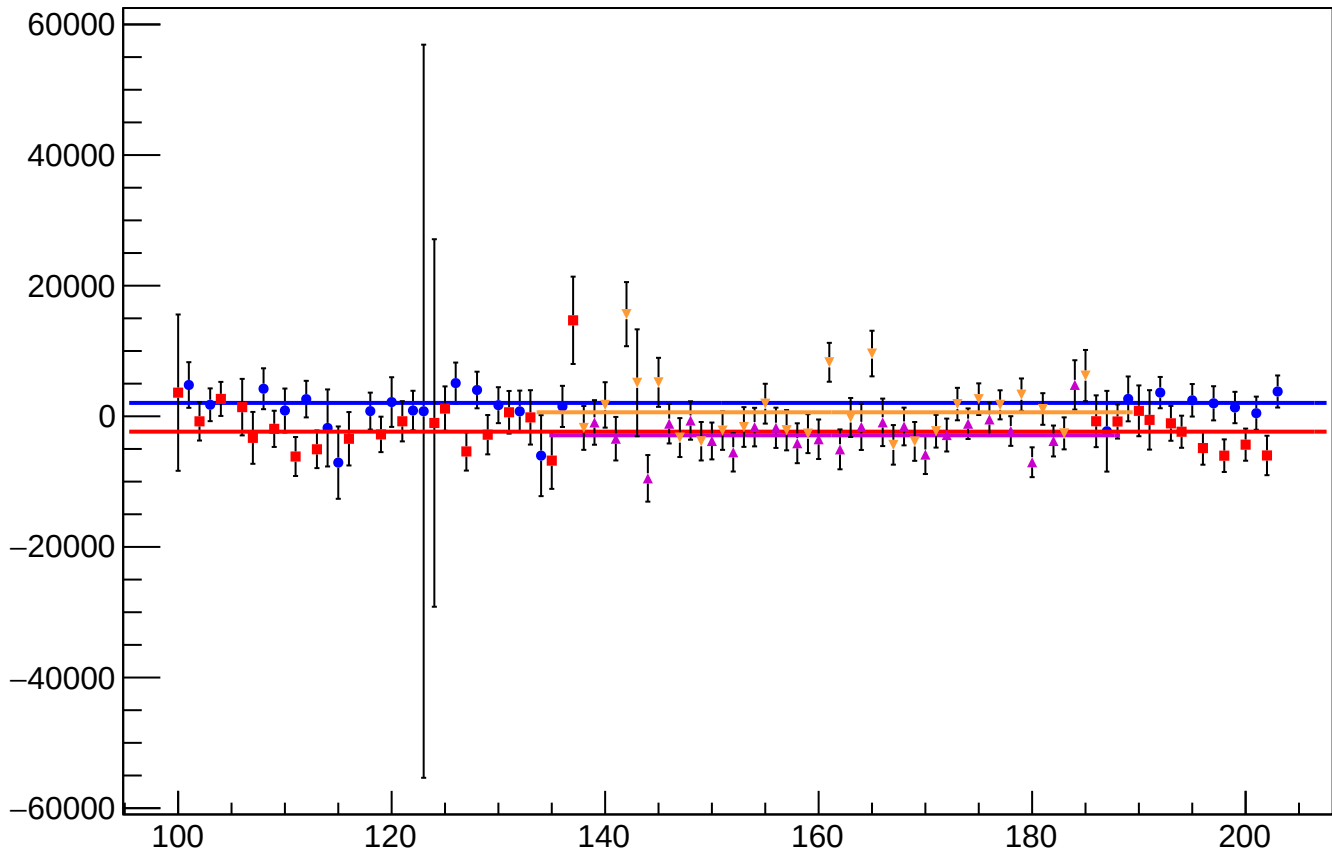
Left In: 2540.988 $\pm$ 0.431 χ^2 /NDF:94756.7/22

+ sign 2610.928 $\pm$ 0.337 χ^2 /NDF: 965715.2/49

All: 2621.416 $\pm$ 0.239 χ^2 /NDF: 2385683.7/10

- sign 2632.043 $\pm$ 0.339 χ^2 /NDF: 1418019.2/51

reg_asym_atl2_mean vs Slug



Right In: 2051.134 $\pm$ 620.424 χ^2 /NDF: 10.1/24

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

Right Out: -2350.062 $\pm$ 596.318 χ^2 /NDF: 25.6/28

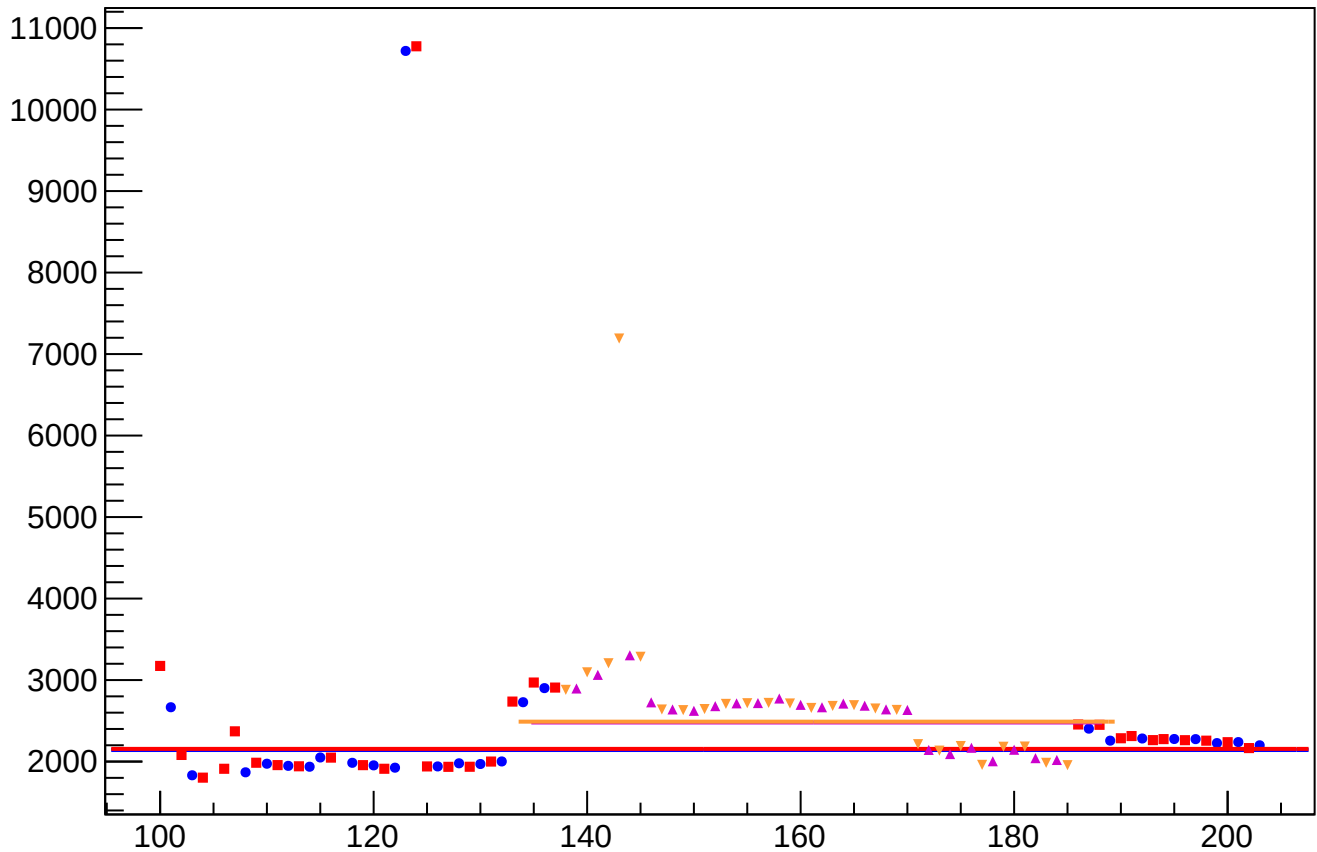
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF:17.4/22

+ sign 1298.315 $\pm$ 427.980 χ^2 /NDF: 58.1/49

All: -688.561 $\pm$ 300.795 χ^2 /NDF: 144.0/101

- sign -2628.017 $\pm$ 422.842 χ^2 /NDF: 43.4/51

reg_asym_atl2_rms vs Slug



Right In: 2141.568 $\pm$ 0.439 χ^2 /NDF: 367873.7/24

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

Right Out: 2155.579 $\pm$ 0.422 χ^2 /NDF: 532697.0/28

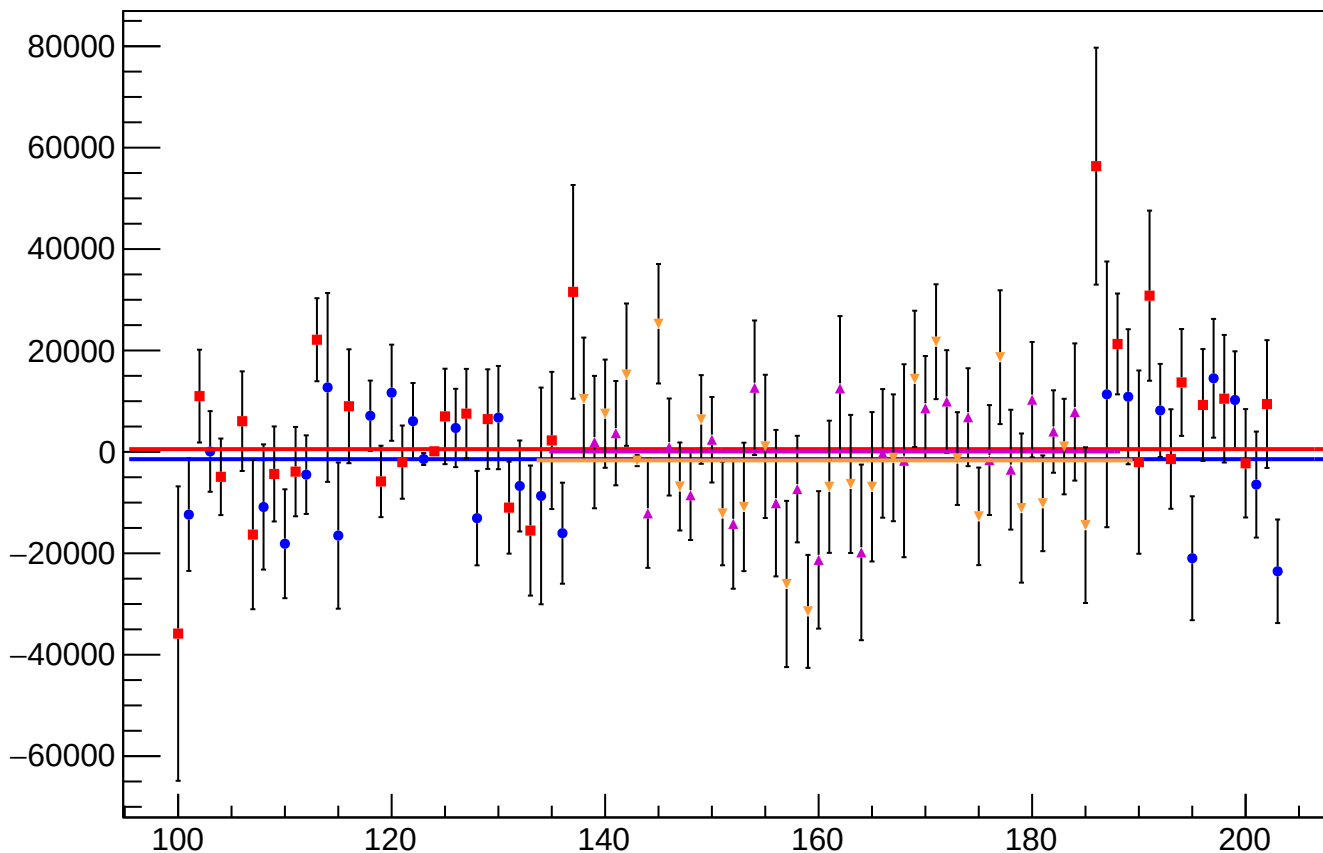
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF: 668398.2/22

+ sign 2323.976 $\pm$ 0.303 χ^2 /NDF: 2061906.3/49

All: 2320.221 $\pm$ 0.213 χ^2 /NDF: 3556445.4/10

- sign 2316.555 $\pm$ 0.299 χ^2 /NDF: 1494234.8/51

asym_atl2_correction_mean vs Slug



Right In: -1437.333 ± 1019.795 χ^2/NDF : 28.7/24

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

Right Out: 546.758 ± 684.253 χ^2/NDF : 37.9/28

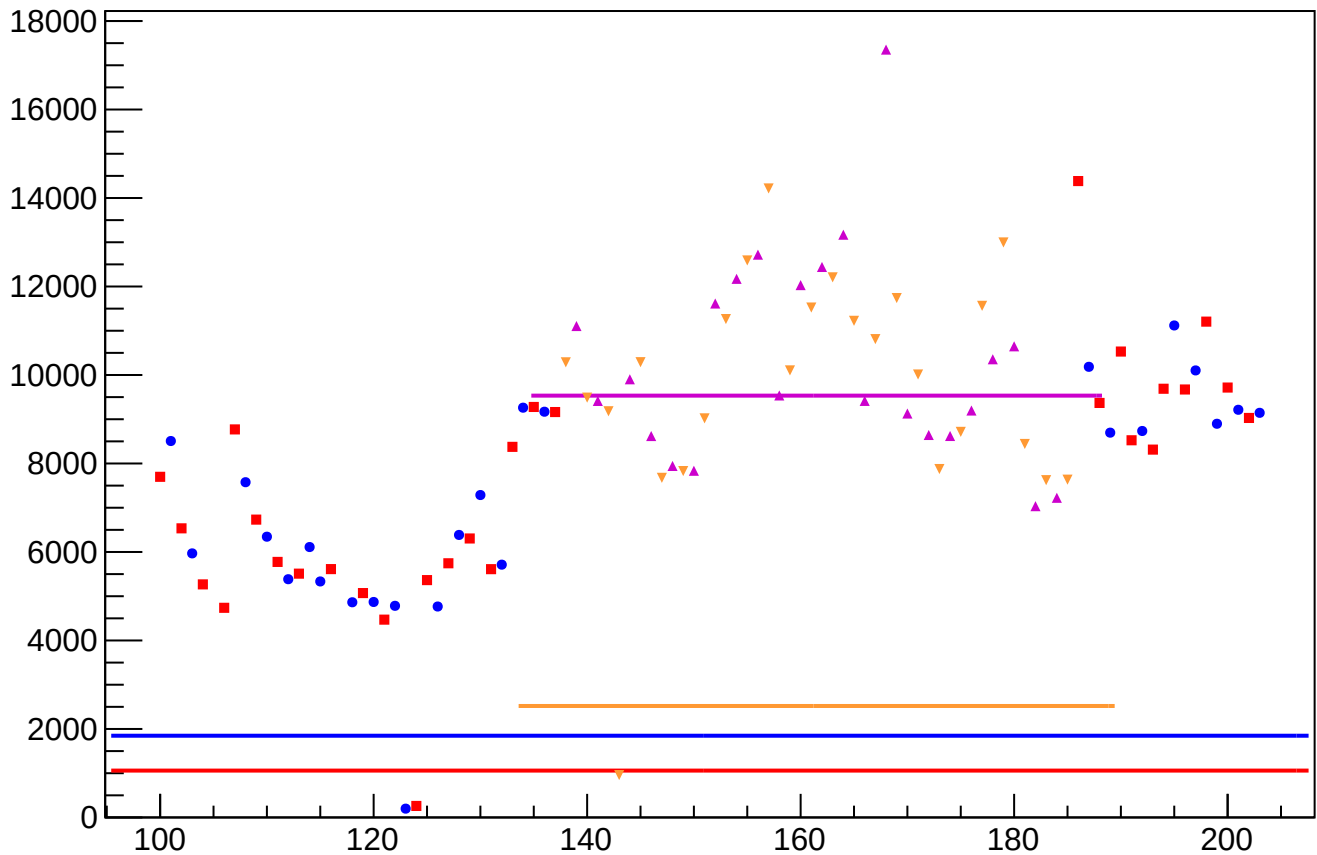
Left In: 80.274 ± 2331.531 χ^2/NDF : 13.8/22

+ sign -1554.404 ± 711.464 χ^2/NDF : 61.1/49

All: -439.613 ± 482.503 χ^2/NDF : 117.4/101

- sign 509.766 ± 656.562 χ^2/NDF : 51.8/51

asym_atl2_correction_rms vs Slug



Right In: 1847.261 ± 0.721 $\chi^2/\text{NDF}: 17610762.7/24$

Left Out: 2519.359 ± 0.702 $\chi^2/\text{NDF}: 23642118.3/24$

Right Out: 1059.282 ± 0.484 $\chi^2/\text{NDF}: 21791094.2/28$

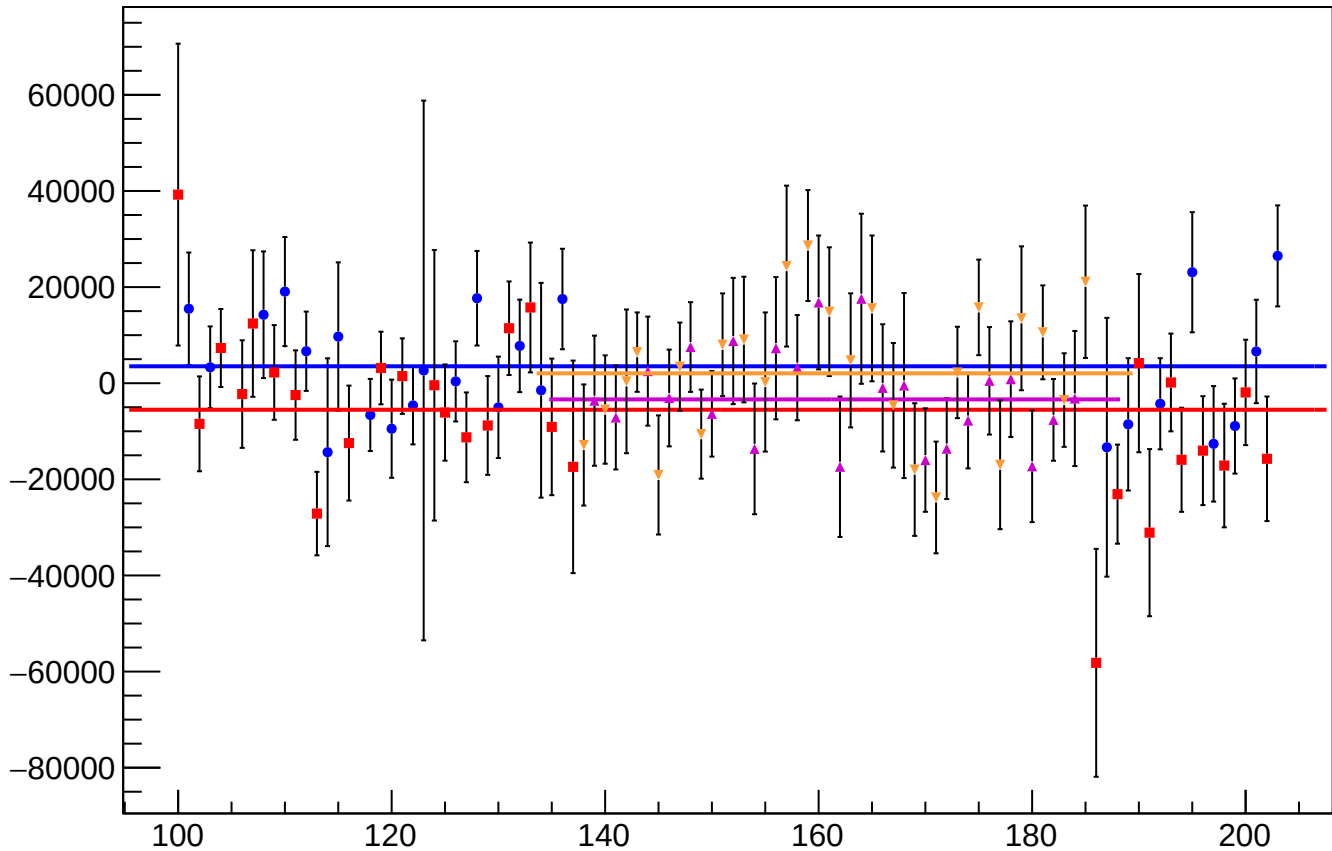
Left In: 9533.563 ± 1.649 $\chi^2/\text{NDF}: 1316640.0/22$

+ sign 2192.235 ± 0.503 $\chi^2/\text{NDF}: 41698766.9/49$

All: 1943.292 ± 0.341 $\chi^2/\text{NDF}: 89585959.3/1$

- sign 1731.286 ± 0.464 $\chi^2/\text{NDF}: 47433795.5/51$

asym_atl2_mean vs Slug



Right In: 3521.199+/-2163.776 χ^2/NDF : 26.6/24

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

Right Out: -5517.730+/-2069.545 χ^2/NDF : 35.5/28

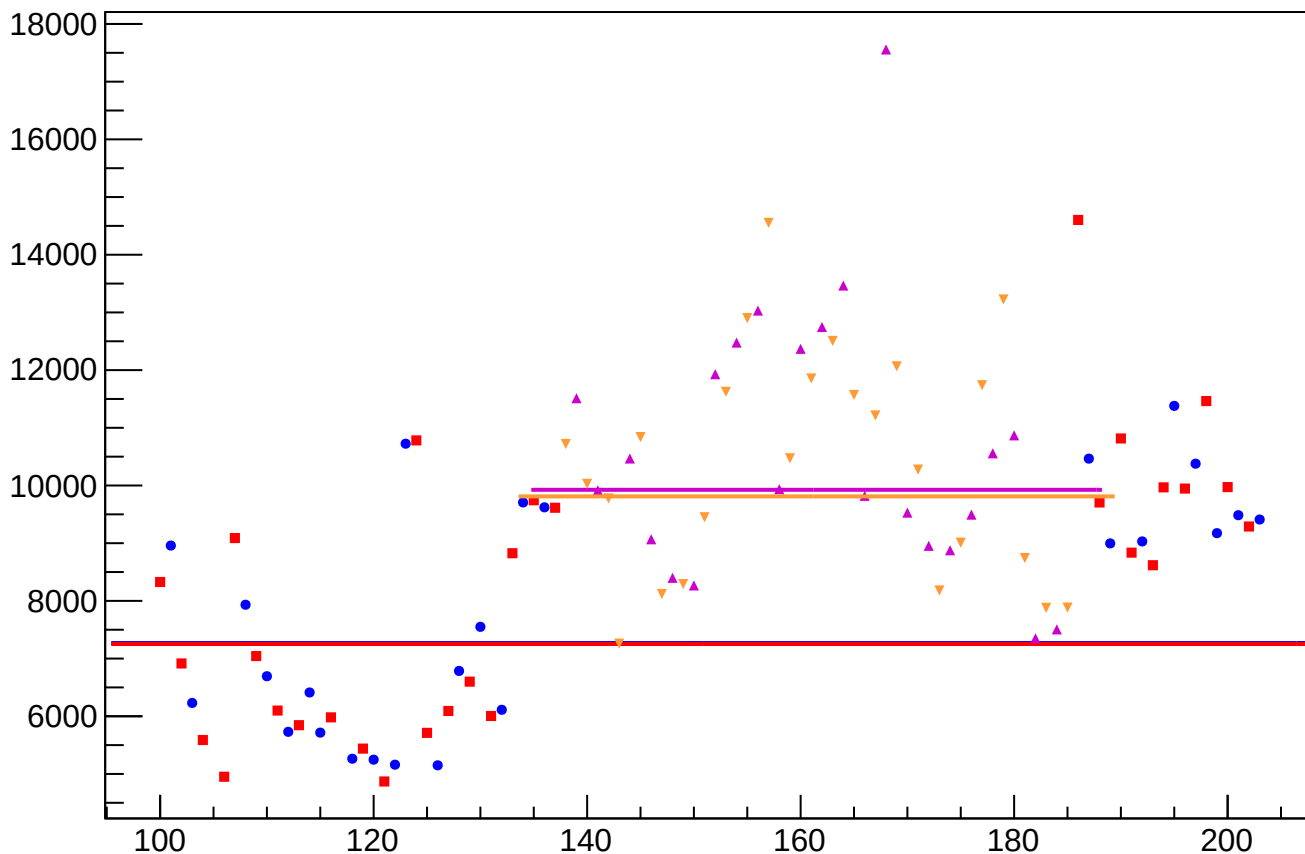
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 2843.791+/-1586.631 χ^2/NDF : 57.6/49

All: -914.912+/-1117.327 χ^2/NDF : 117.7/101

- sign -4612.719+/-1573.726 χ^2/NDF : 49.0/51

asym_atl2_rms vs Slug



Right In: 7268.944+/-1.530 χ^2/NDF : 1548600.5/24

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

Right Out: 7252.690+/-1.463 χ^2/NDF : 1927989.1/28

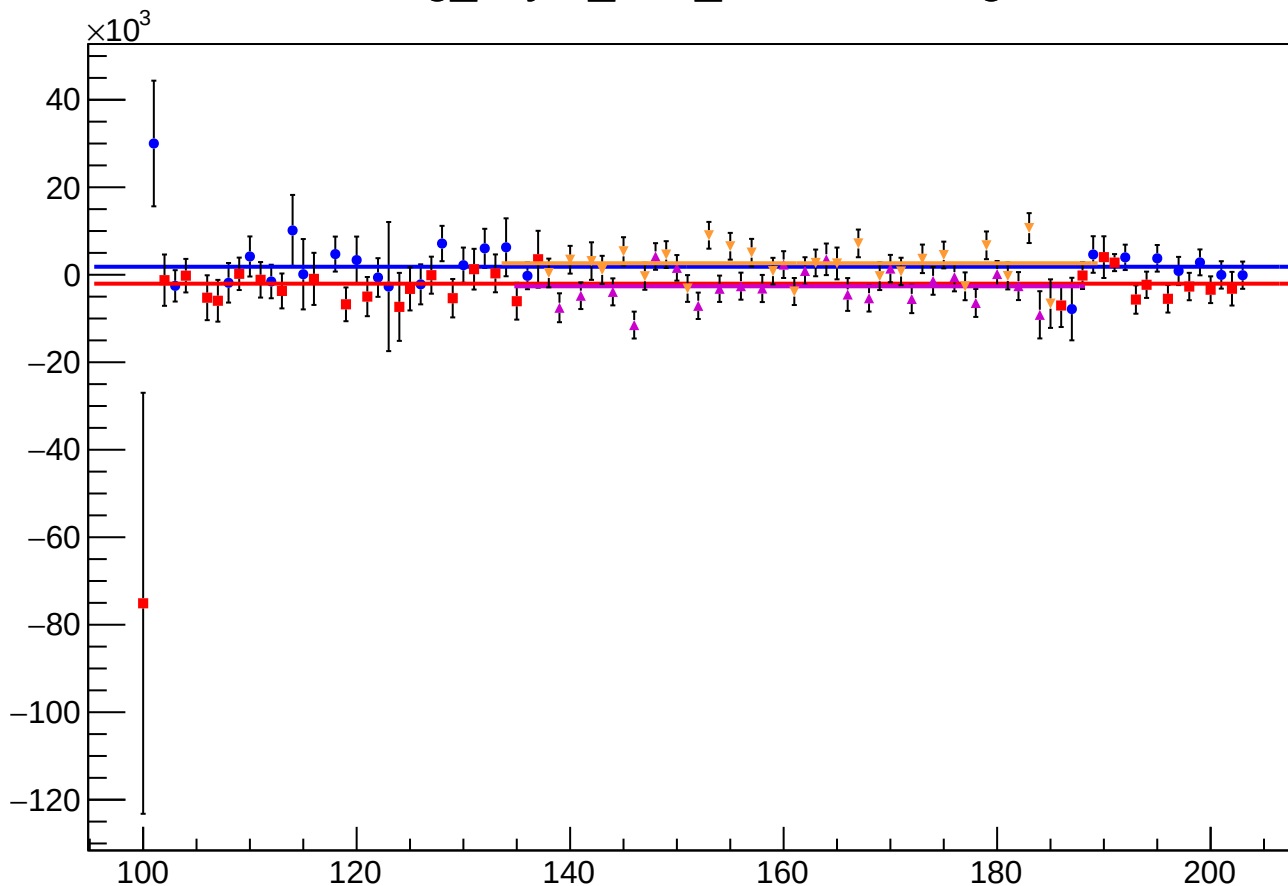
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

+ sign 8444.196+/-1.122 χ^2/NDF : 4038675.2/49

All: 8411.765+/-0.790 χ^2/NDF : 8586703.1/10

- sign 8379.860+/-1.113 χ^2/NDF : 4546370.3/51

reg_asym_atr1_mean vs Slug



Right In: 1831.145 $\pm$ 816.430 χ^2 /NDF: 17.6/24

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

Right Out: -2037.223 $\pm$ 724.723 χ^2 /NDF: 21.8/28

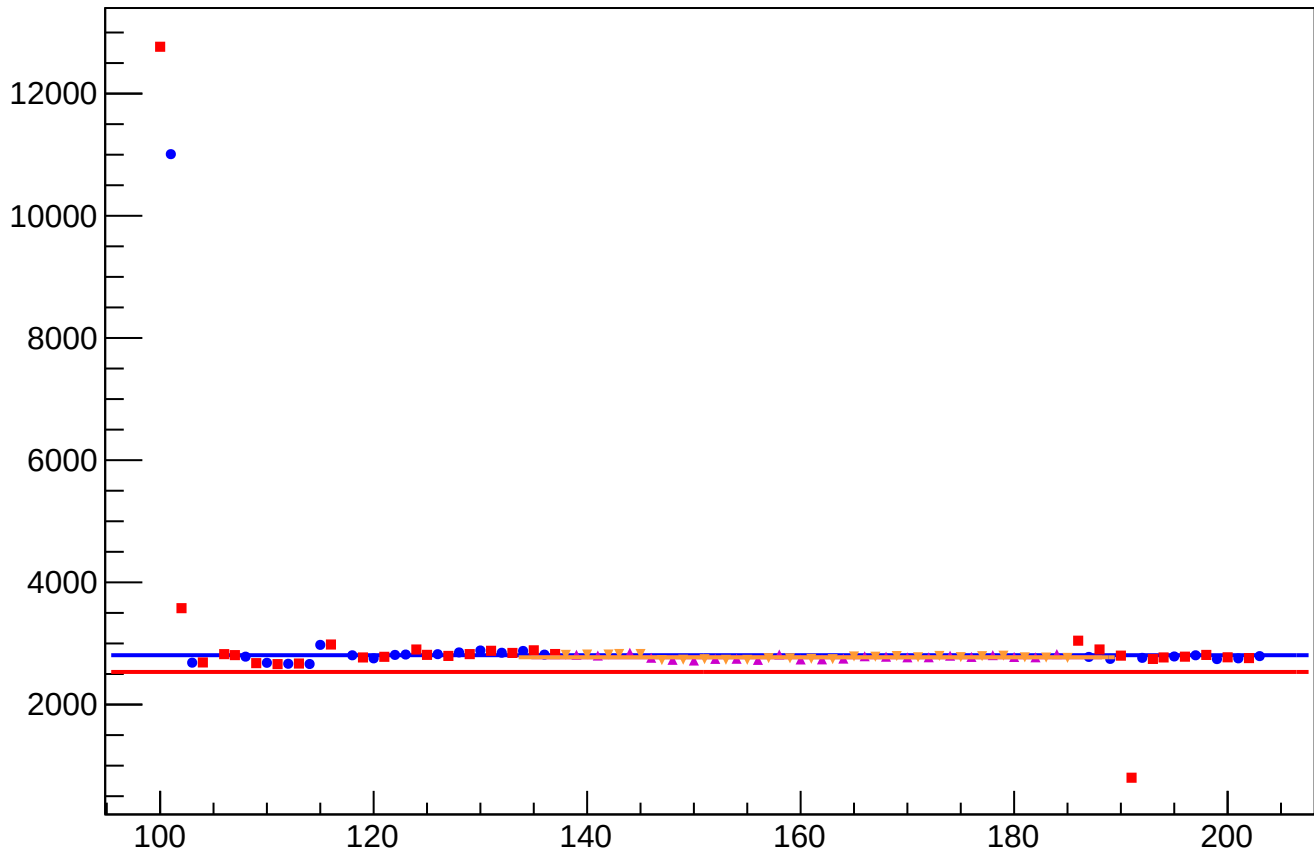
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2325.939 $\pm$ 506.655 χ^2 /NDF: 53.3/49

All: -98.243 $\pm$ 352.152 χ^2 /NDF: 155.0/101

- sign -2363.906 $\pm$ 489.809 χ^2 /NDF: 57.4/51

reg_asym_atr1_rms vs Slug



Right In: 2807.658 $\pm$ 0.577 χ^2 /NDF: 664287.6/24

Left Out: 2773.713 $\pm$ 0.457 χ^2 /NDF: 4616.5/24

Right Out: 2533.704 $\pm$ 0.512 χ^2 /NDF: 1974716.2/28

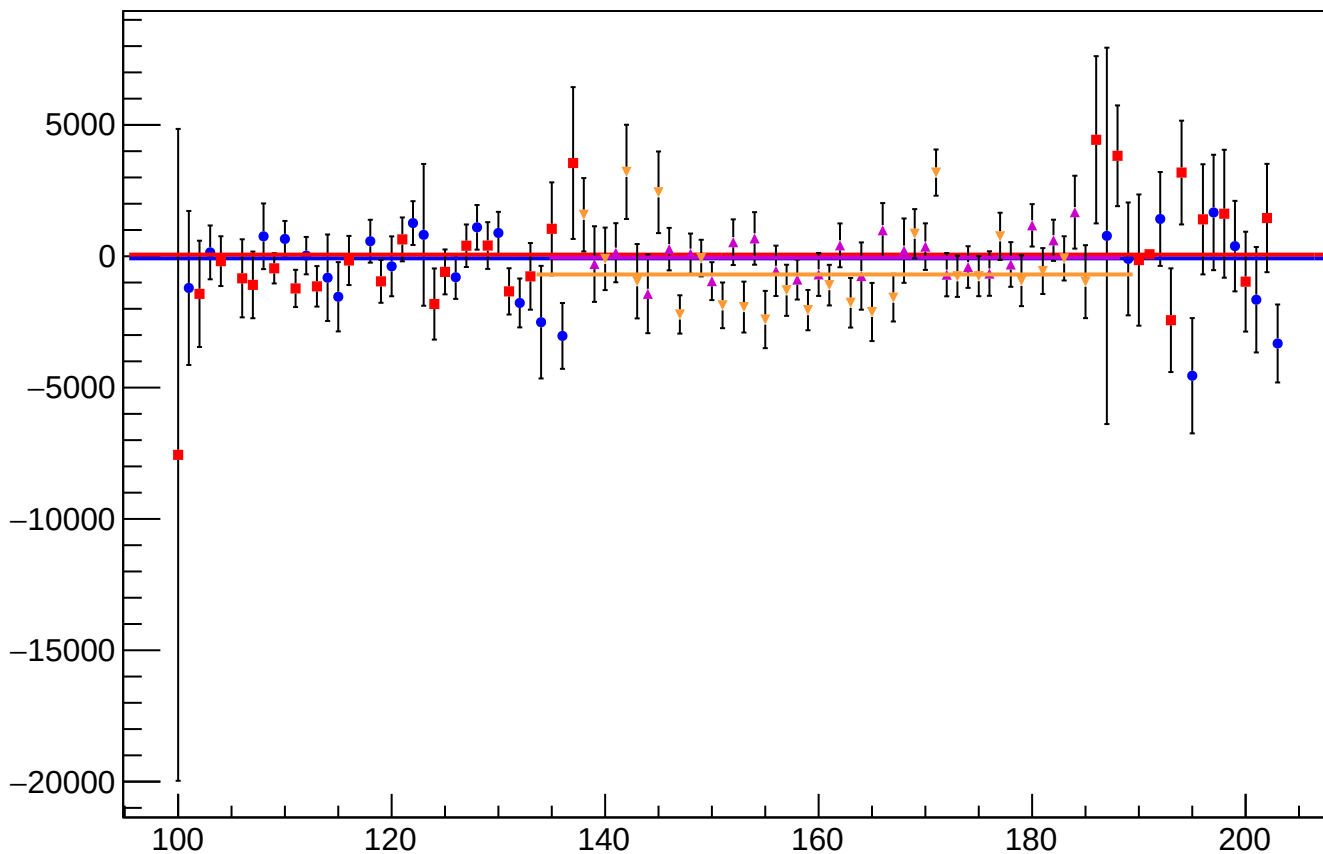
Left In: 2774.036 $\pm$ 0.470 χ^2 /NDF: 4985.3/22

+ sign 2786.786 $\pm$ 0.358 χ^2 /NDF: 671029.9/49

All: 2723.450 $\pm$ 0.249 χ^2 /NDF: 2830672.1/10

- sign 2664.256 $\pm$ 0.346 χ^2 /NDF: 2099178.4/51

asym_atr1_correction_mean vs Slug



Right In: -79.495 ± 229.326 χ^2/NDF : 31.9/24

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

Right Out: 62.959 ± 37.887 χ^2/NDF : 30.0/28

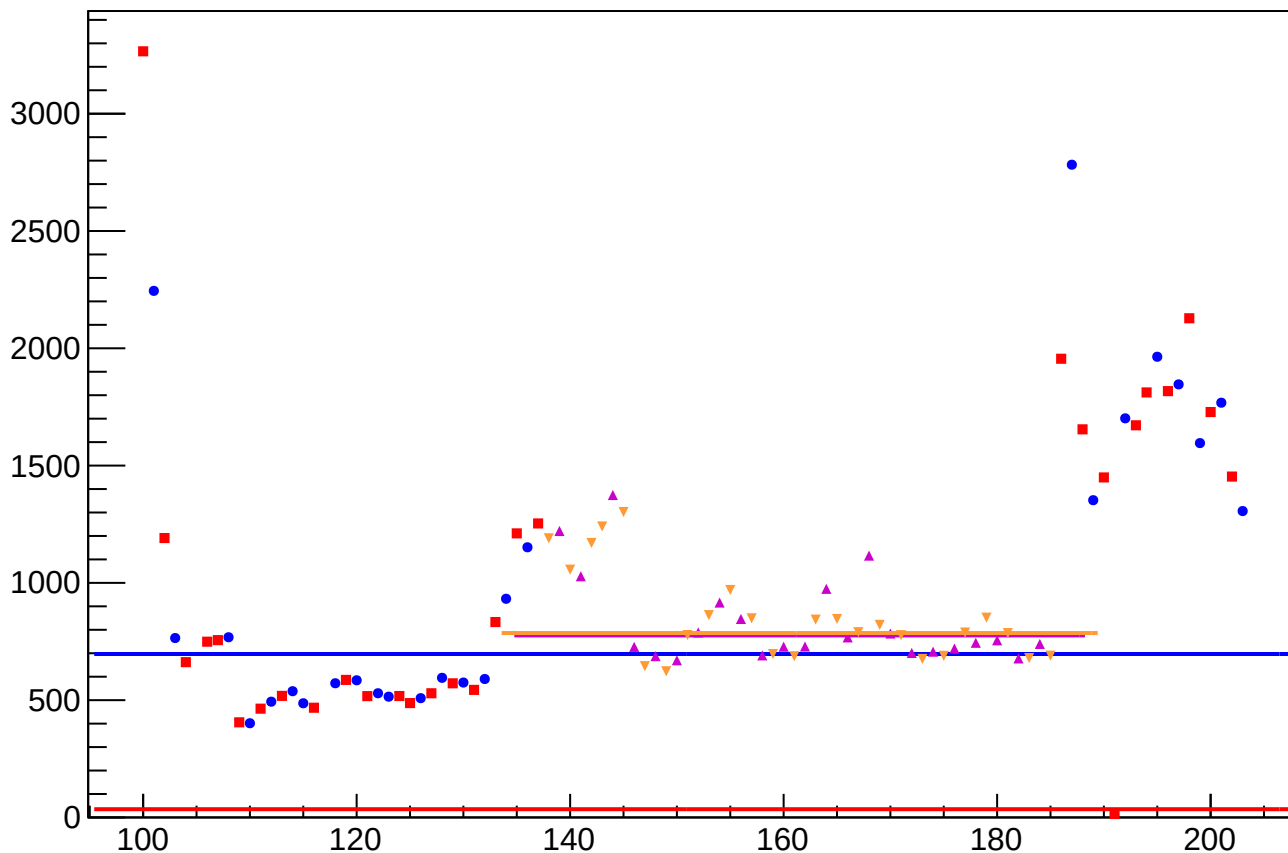
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -447.399 ± 145.063 χ^2/NDF : 92.2/49

All: 27.489 ± 35.988 χ^2/NDF : 147.6/101

- sign 58.633 ± 37.149 χ^2/NDF : 43.9/51

asym_atr1_correction_rms vs Slug



Right In: 696.801+/-0.162 χ^2/NDF : 5478415.3/24

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

Right Out: 35.197+/-0.027 χ^2/NDF : 23916297.8/28

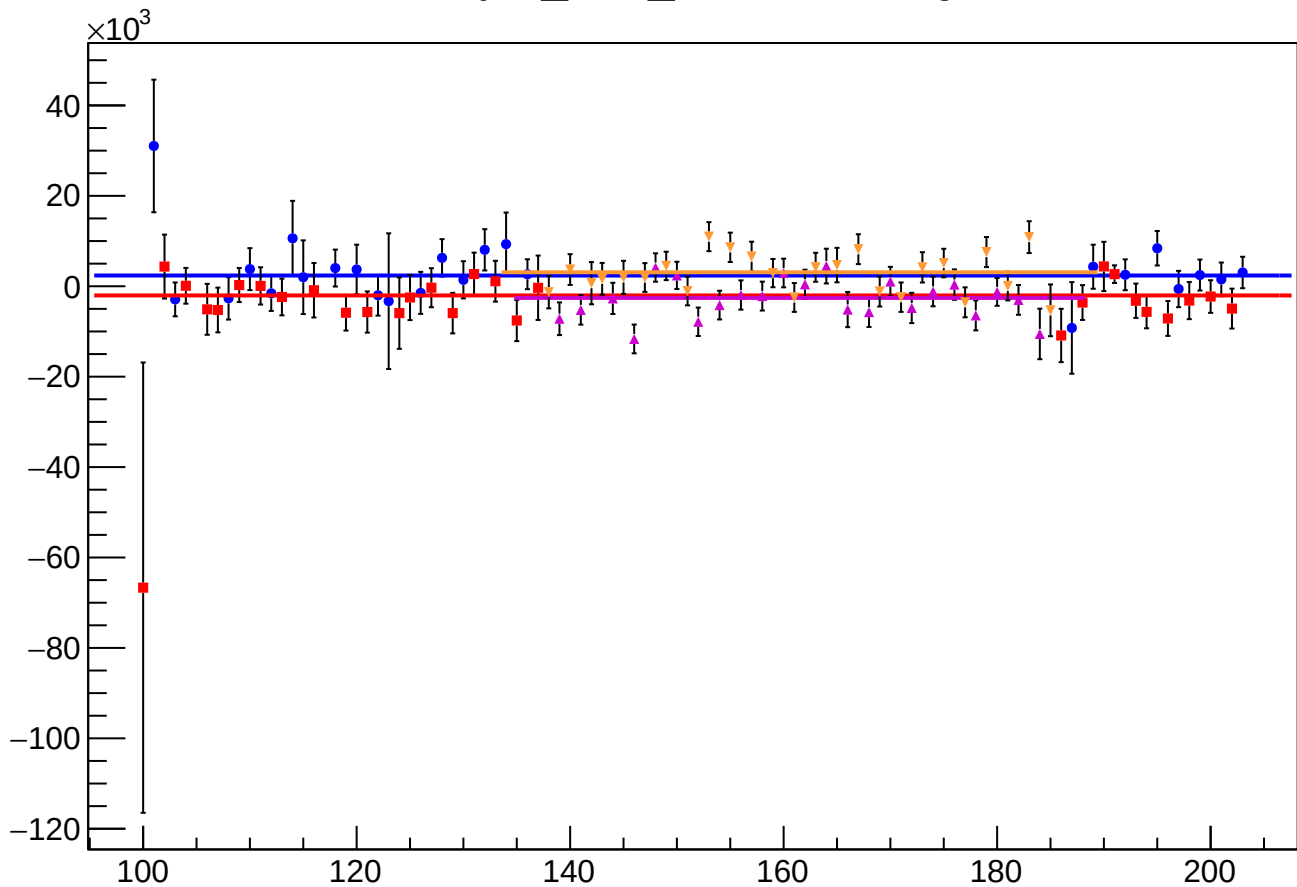
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

+ sign 750.412+/-0.103 χ^2/NDF : 6910165.3/49

All: 106.017+/-0.025 χ^2/NDF : 103413904.1/100

- sign 63.757+/-0.026 χ^2/NDF : 54449985.0/51

asym_atr1_mean vs Slug



Right In: 2375.969 ± 897.314 χ^2/NDF : 19.1/24

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

Right Out: -2033.113 ± 790.480 χ^2/NDF : 23.0/28

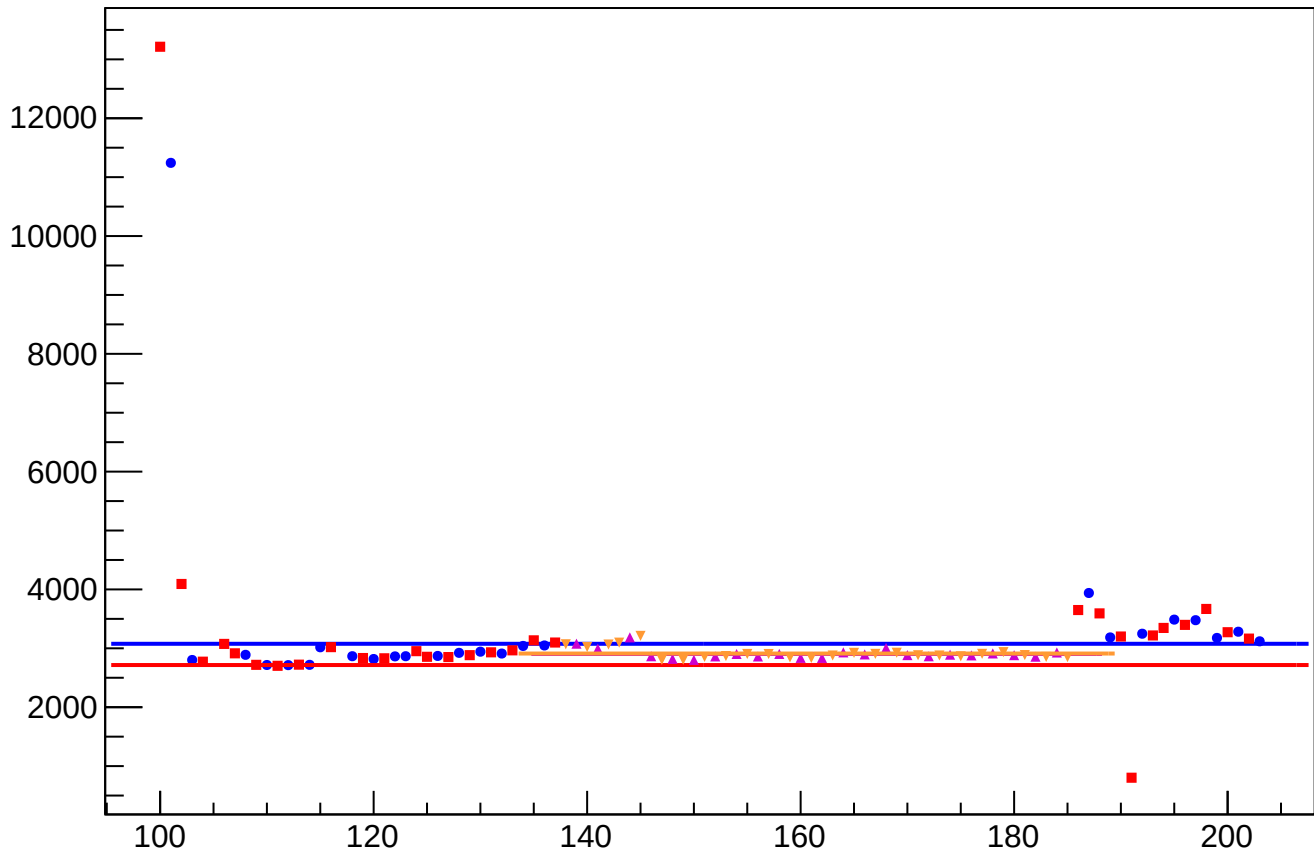
Left In: -2573.184 ± 695.795 χ^2/NDF : 35.7/22

+ sign 2833.323 ± 541.205 χ^2/NDF : 58.2/49

All: 156.000 ± 375.822 χ^2/NDF : 164.4/101

- sign -2337.416 ± 522.286 χ^2/NDF : 58.9/51

asym_atr1_rms vs Slug



Right In: 3076.795+/-0.634 χ^2/NDF : 765022.8/24

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

Right Out: 2716.072+/-0.559 χ^2/NDF : 2657199.4/28

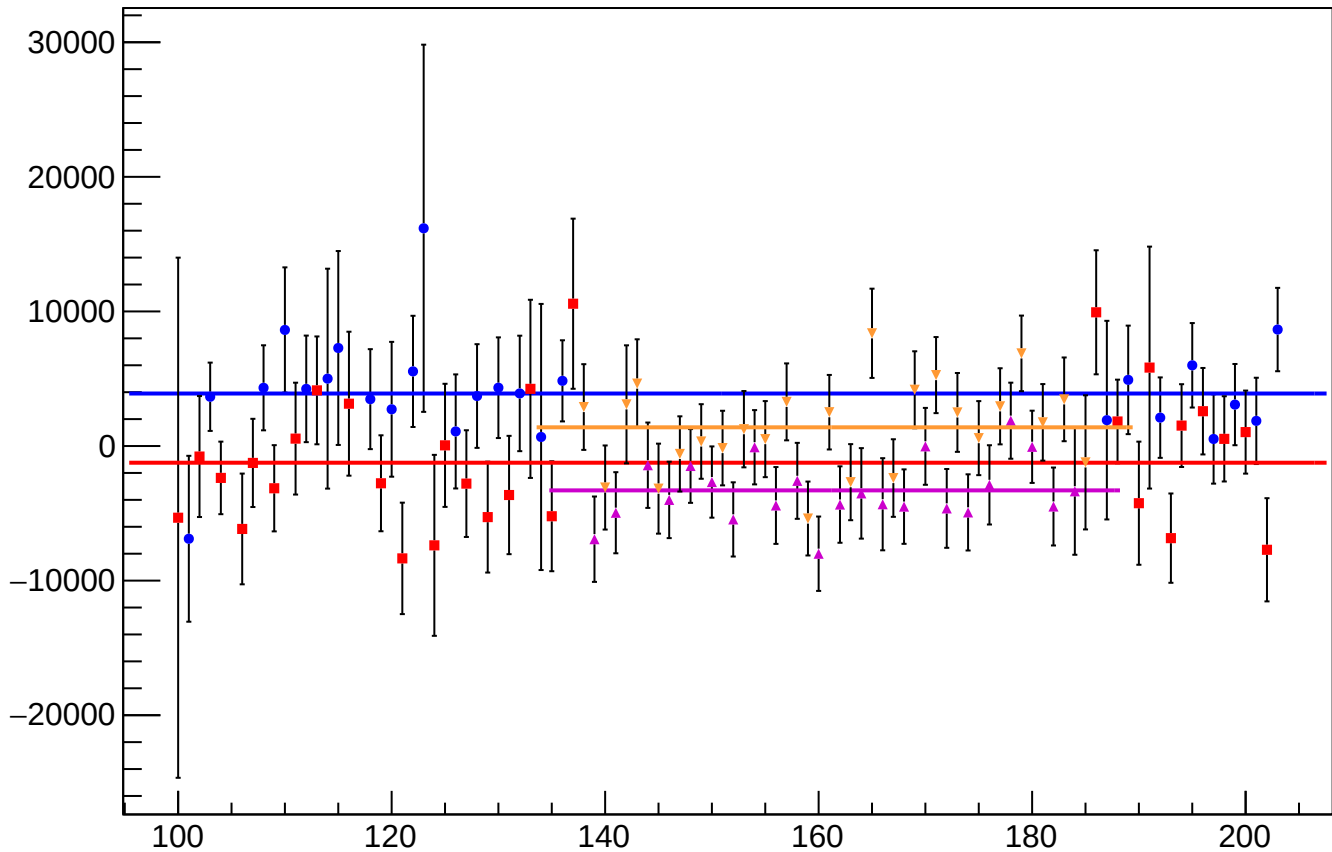
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2971.456+/-0.383 χ^2/NDF : 844989.1/49

All: 2893.877+/-0.266 χ^2/NDF : 3673687.4/100

- sign 2821.628+/-0.369 χ^2/NDF : 2749331.1/51

reg_asym_atr2_mean vs Slug



Right In: 3901.224+/-774.448 χ^2/NDF : 10.9/24

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

Right Out: -1240.137+/-733.061 χ^2/NDF : 31.9/28

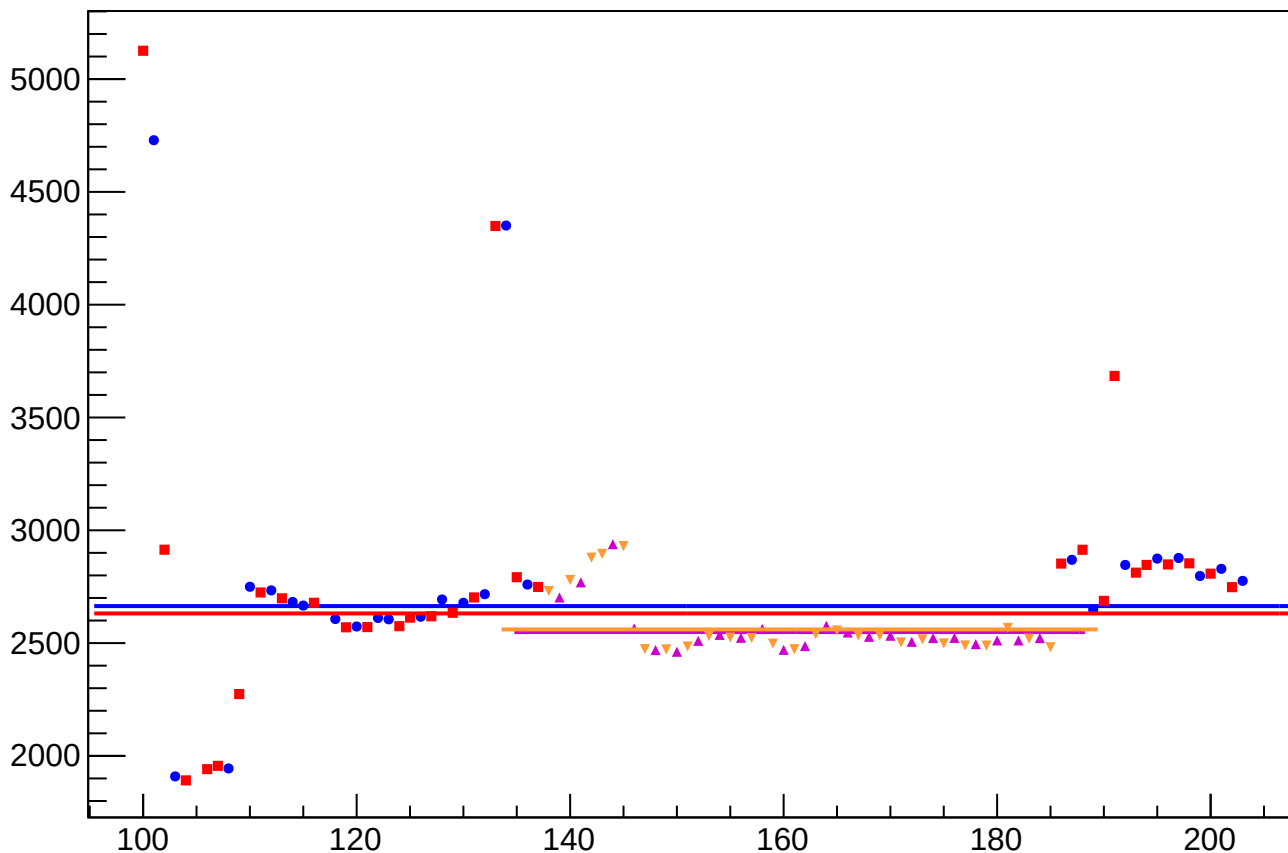
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2325.262+/-472.581 χ^2/NDF : 46.6/49

All: -83.369+/-332.852 χ^2/NDF : 149.7/101

- sign -2454.513+/-468.889 χ^2/NDF : 51.5/51

reg_asym_atr2_rms vs Slug



Right In: 2663.979+/-0.548 χ^2/NDF : 607177.2/24

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

Right Out: 2631.414+/-0.518 χ^2/NDF : 591960.7/28

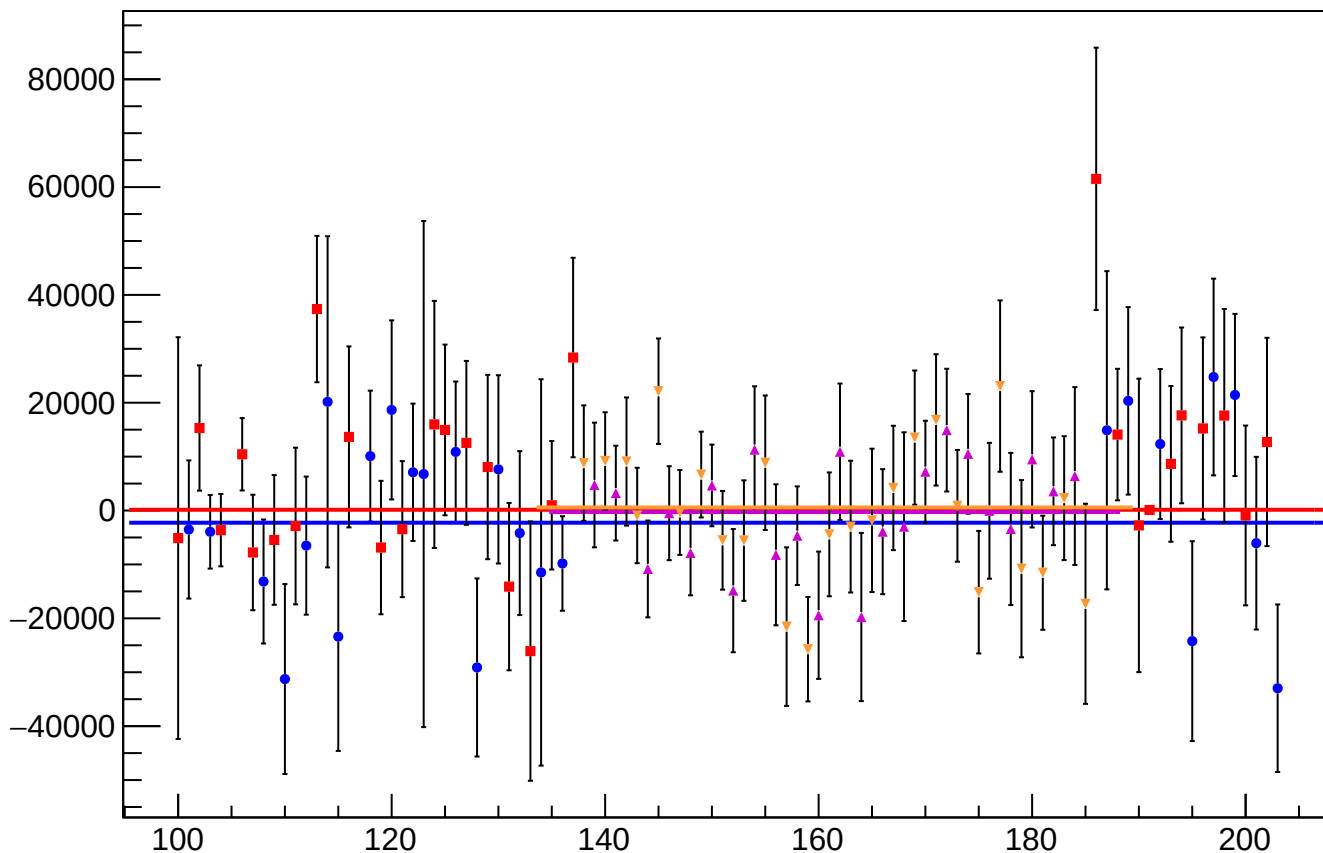
Left In: 2548.870+/-0.431 χ^2/NDF : 55266.2/22

+ sign 2599.052+/-0.334 χ^2/NDF : 716345.8/49

All: 2590.782+/-0.235 χ^2/NDF : 1379771.6/10

- sign 2582.641+/-0.332 χ^2/NDF : 662210.5/51

asym_atr2_correction_mean vs Slug



Right In: -2261.961 ± 2844.404 χ^2/NDF : 26.5/24

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

Right Out: 141.073 ± 194.981 χ^2/NDF : 31.6/28

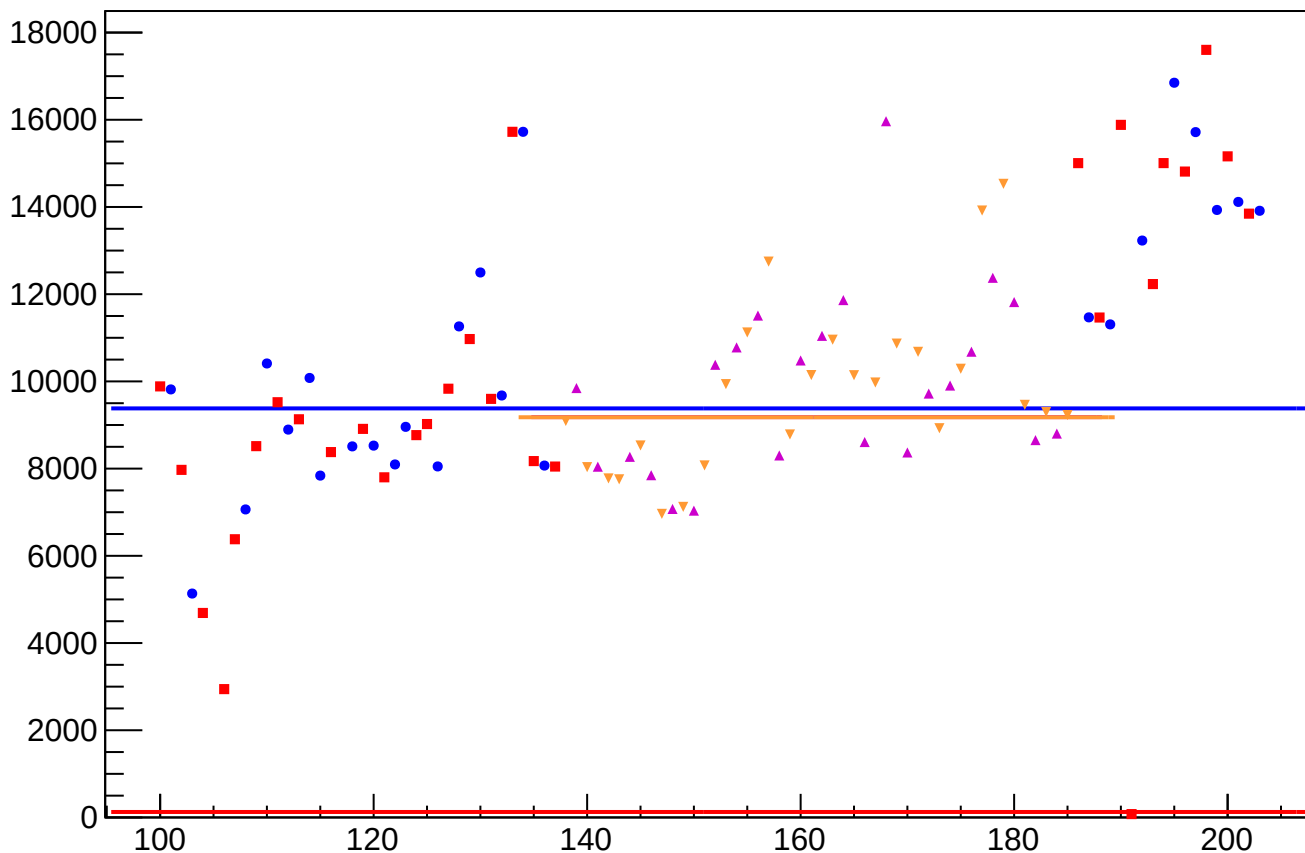
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -479.022 ± 1732.456 χ^2/NDF : 55.4/49

All: 130.291 ± 193.039 χ^2/NDF : 102.8/101

- sign 137.951 ± 194.248 χ^2/NDF : 47.3/51

asym_atr2_correction_rms vs Slug



Right In: 9380.766 $\pm$ 2.011 χ^2 /NDF: 2412944.2/24

Left Out: 9177.688 $\pm$ 1.545 χ^2 /NDF:1176195.8/24

Right Out: 125.626 $\pm$ 0.138 χ^2 /NDF: 25377714.3/28

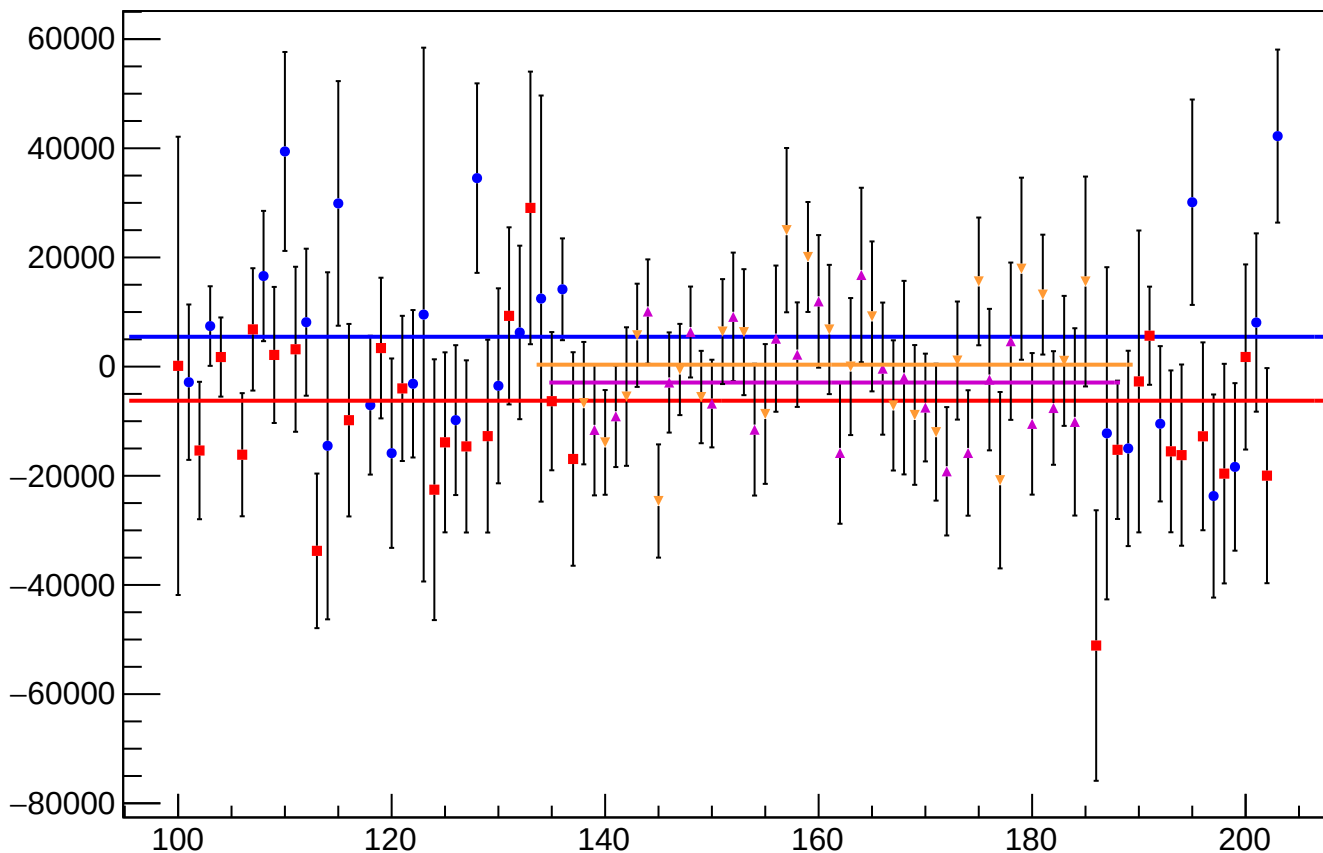
Left In: 9181.254 $\pm$ 1.586 χ^2 /NDF:1236469.7/22

+ sign 9253.024 $\pm$ 1.225 χ^2 /NDF: 3595552.8/49

All: 306.030 $\pm$ 0.136 χ^2 /NDF: 116580687.6/51

- sign 193.552 $\pm$ 0.137 χ^2 /NDF: 58973709.1/51

asym_atr2_mean vs Slug



Right In: 5467.808 $\pm$ 2982.172 χ^2 /NDF: 29.4/24

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

Right Out: -6247.575 $\pm$ 2663.894 χ^2 /NDF: 21.0/28

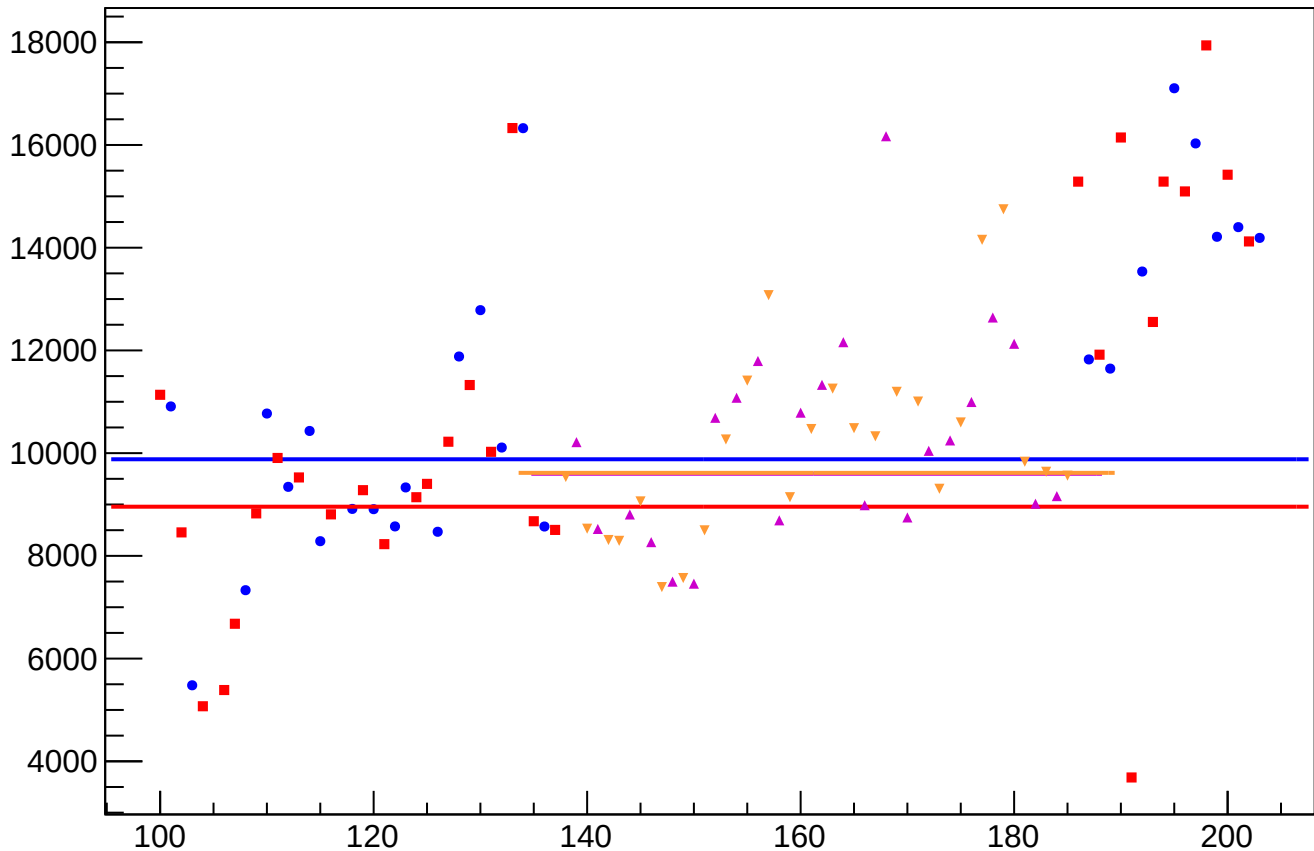
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 2243.307 $\pm$ 1812.121 χ^2 /NDF: 57.5/49

All: -1163.310 $\pm$ 1261.571 χ^2 /NDF: 101.2/100

- sign -4367.292 $\pm$ 1757.400 χ^2 /NDF: 36.9/51

asym_atr2_rms vs Slug



Right In: 9880.702 $\pm$ 2.109 χ^2 /NDF: 2219427.2/24

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

Right Out: 8957.258 $\pm$ 1.884 χ^2 /NDF: 3671804.1/28

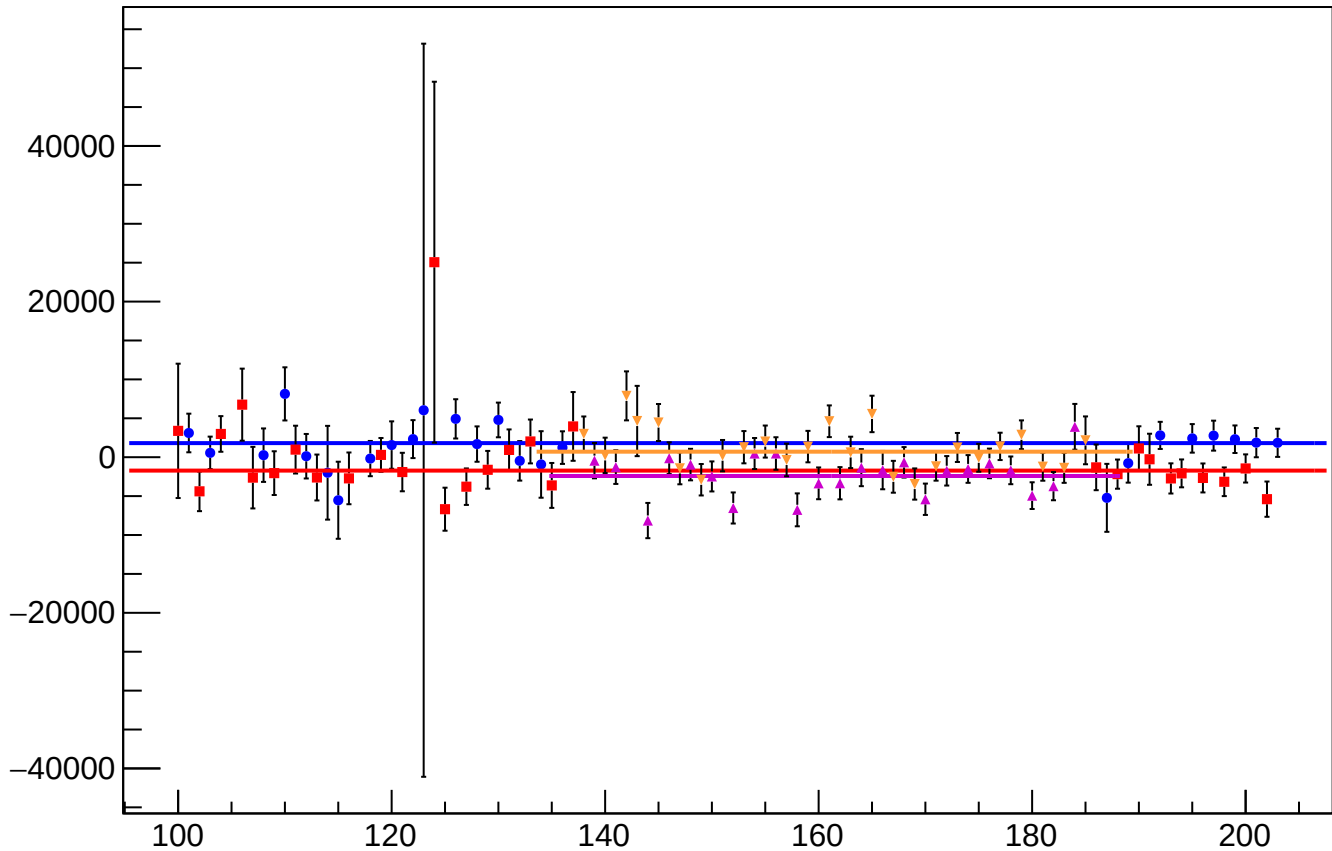
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF: 1082171.6/22

+ sign 9713.893 $\pm$ 1.281 χ^2 /NDF: 3241013.5/49

All: 9510.611 $\pm$ 0.892 χ^2 /NDF: 8109288.6/10

- sign 9319.426 $\pm$ 1.243 χ^2 /NDF: 4819436.3/51

reg_asym_atl_avg_mean vs Slug



Right In: 1811.273 $\pm$ 486.255 χ^2 /NDF: 17.1/24

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

Right Out: -1721.577 $\pm$ 472.224 χ^2 /NDF: 26.2/28

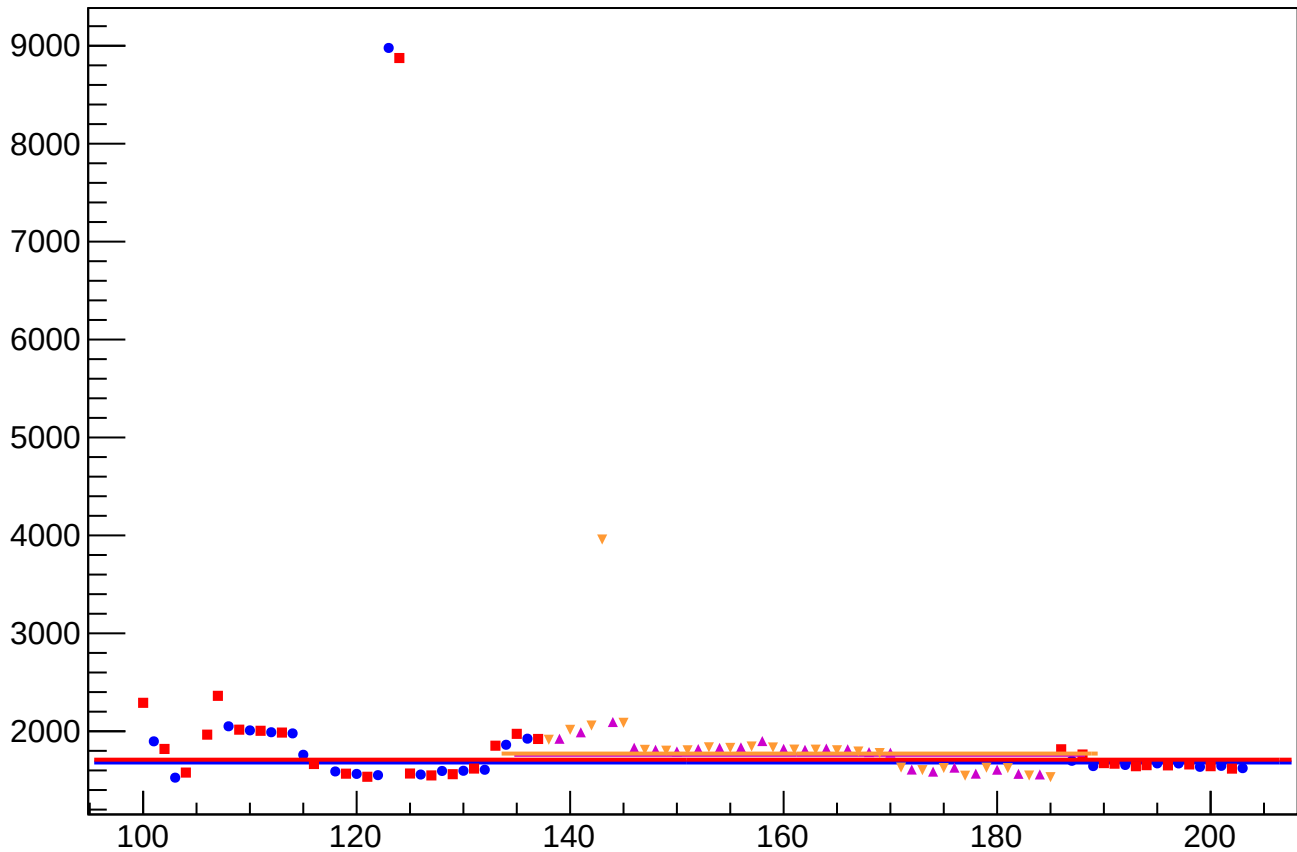
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 1177.019 $\pm$ 316.707 χ^2 /NDF: 54.9/49

All: -471.840 $\pm$ 223.436 χ^2 /NDF: 170.2/101

- sign -2105.780 $\pm$ 315.271 χ^2 /NDF: 61.4/51

reg_asym_atl_avg_rms vs Slug



Right In: 1681.050+/-0.344 χ^2/NDF : 203985.0/24

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

Right Out: 1709.848+/-0.333 χ^2/NDF : 421284.5/28

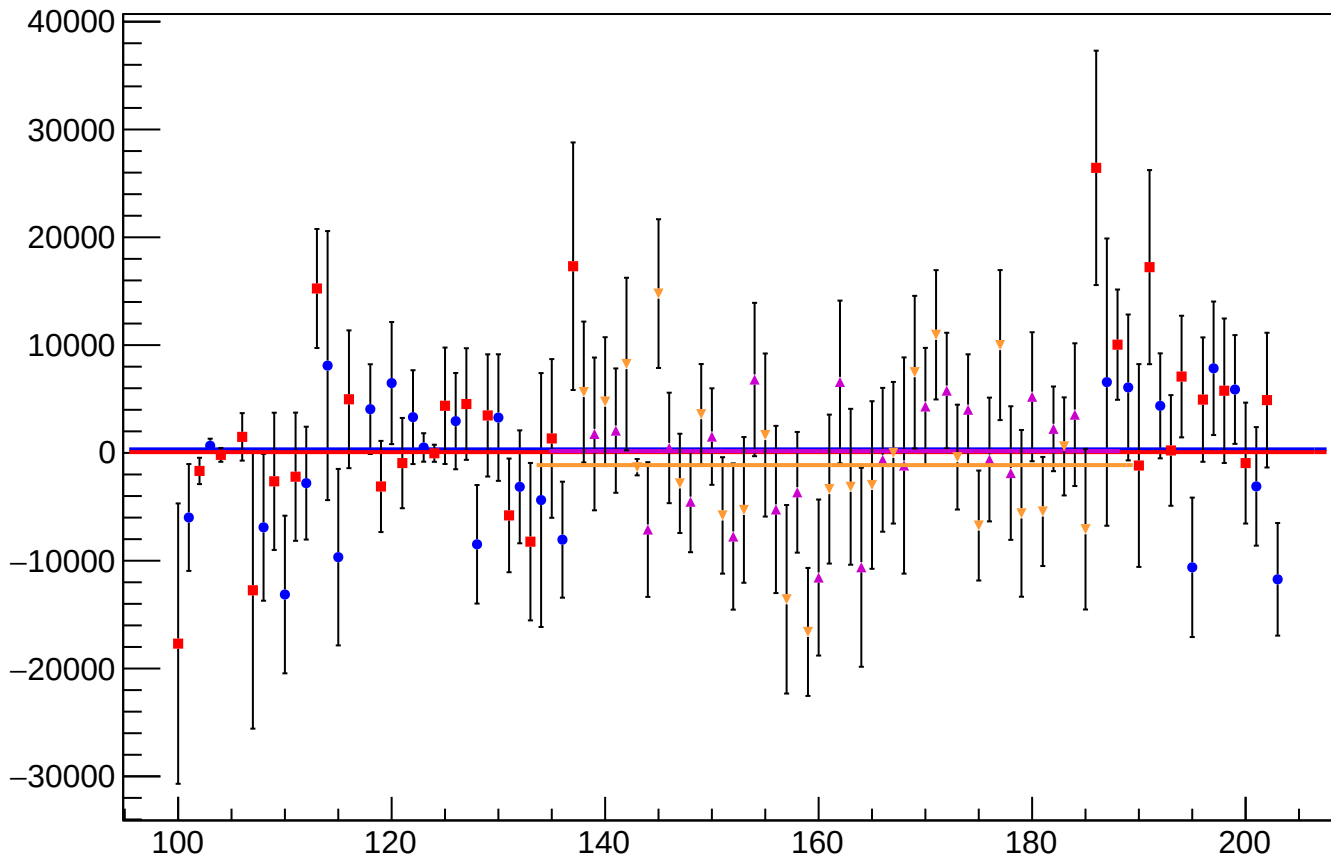
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1733.444+/-0.224 χ^2/NDF : 946784.6/49

All: 1735.417+/-0.158 χ^2/NDF : 1595449.9/10

- sign 1737.369+/-0.223 χ^2/NDF : 648510.9/51

asym_atl_avg_correction_mean vs Slug



Right In: 329.593 ± 523.453 χ^2/NDF : 30.2/24

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

Right Out: 73.677 ± 423.846 χ^2/NDF : 38.1/28

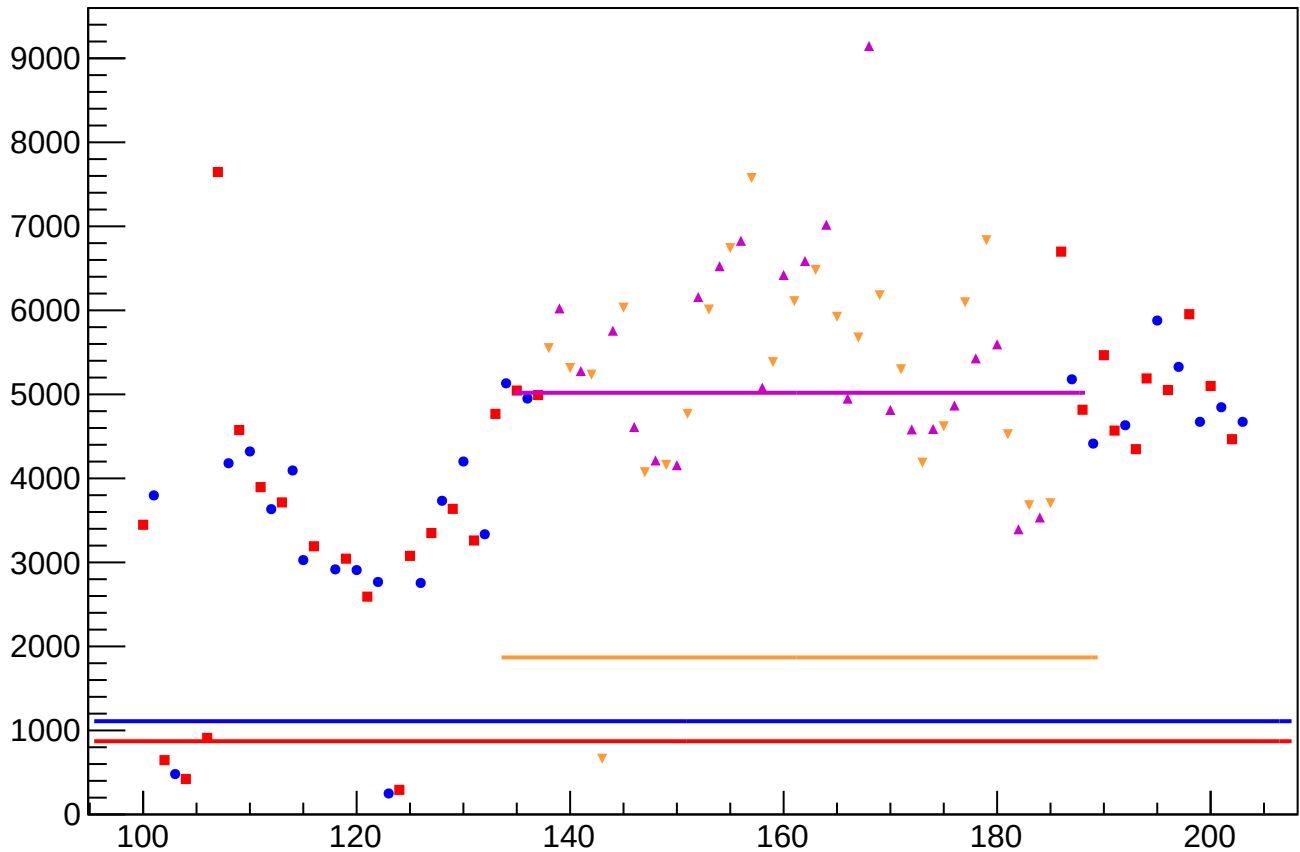
Left In: 168.182 ± 1232.411 χ^2/NDF : 14.2/22

+ sign -247.111 ± 407.095 χ^2/NDF : 64.8/49

All: -79.144 ± 285.610 χ^2/NDF : 117.4/101

- sign 83.673 ± 400.805 χ^2/NDF : 52.3/51

asym_atl_avg_correction_rms vs Slug



Right In: 1109.749 $\pm$ 0.370 χ^2 /NDF: 15139177.4/24

Left Out: 1868.983 $\pm$ 0.458 χ^2 /NDF:19852416.6/24

Right Out: 871.208 $\pm$ 0.300 χ^2 /NDF: 17426086.3/28

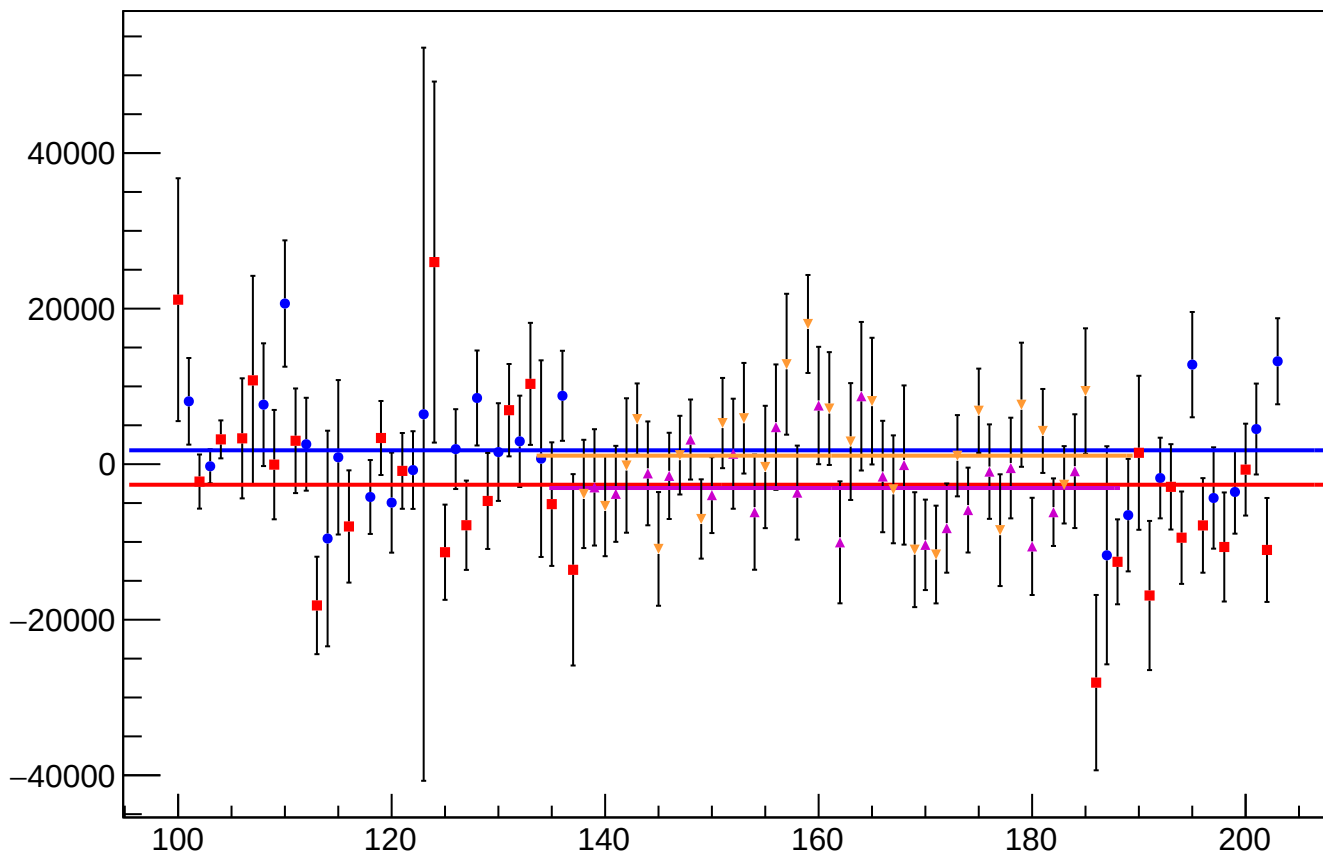
Left In: 5019.114 $\pm$ 0.871 χ^2 /NDF:1569031.9/22

+ sign 1409.772 $\pm$ 0.288 χ^2 /NDF: 36654260.5/49

All: 1359.070 $\pm$ 0.202 χ^2 /NDF: 75969875.1/100

- sign 1309.924 $\pm$ 0.283 χ^2 /NDF: 39254521.0/51

asym_atl_avg_mean vs Slug



Right In: 1783.334+/-1129.851 χ^2/NDF : 26.2/24

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

Right Out: -2643.921+/-1101.075 χ^2/NDF : 45.4/28

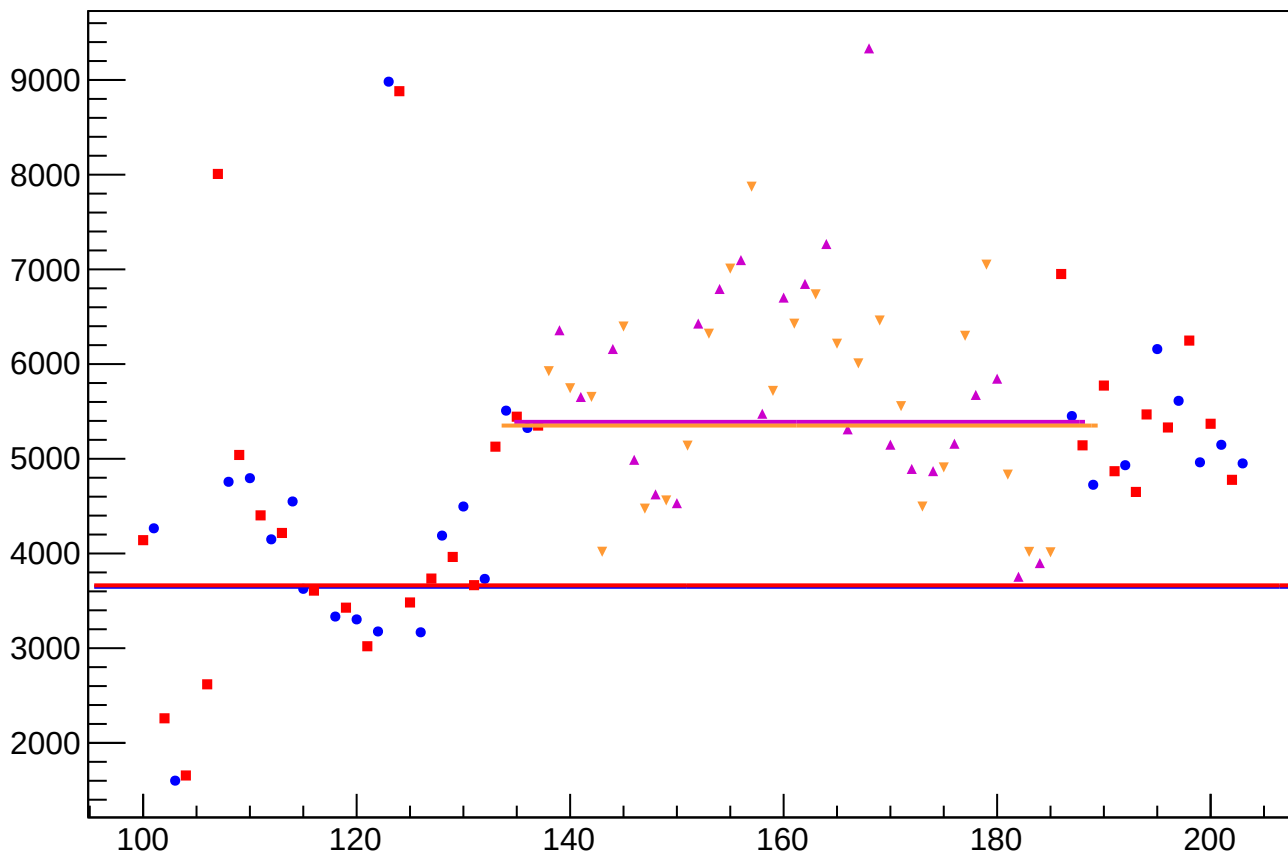
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1479.758+/-845.056 χ^2/NDF : 58.4/49

All: -668.578+/-597.543 χ^2/NDF : 129.4/101

- sign -2816.883+/-845.050 χ^2/NDF : 58.1/51

asym_atl_avg_rms vs Slug



Right In: 3648.499+/-0.799 χ^2/NDF : 3234938.9/24

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

Right Out: 3663.522+/-0.770 χ^2/NDF : 3770527.2/28

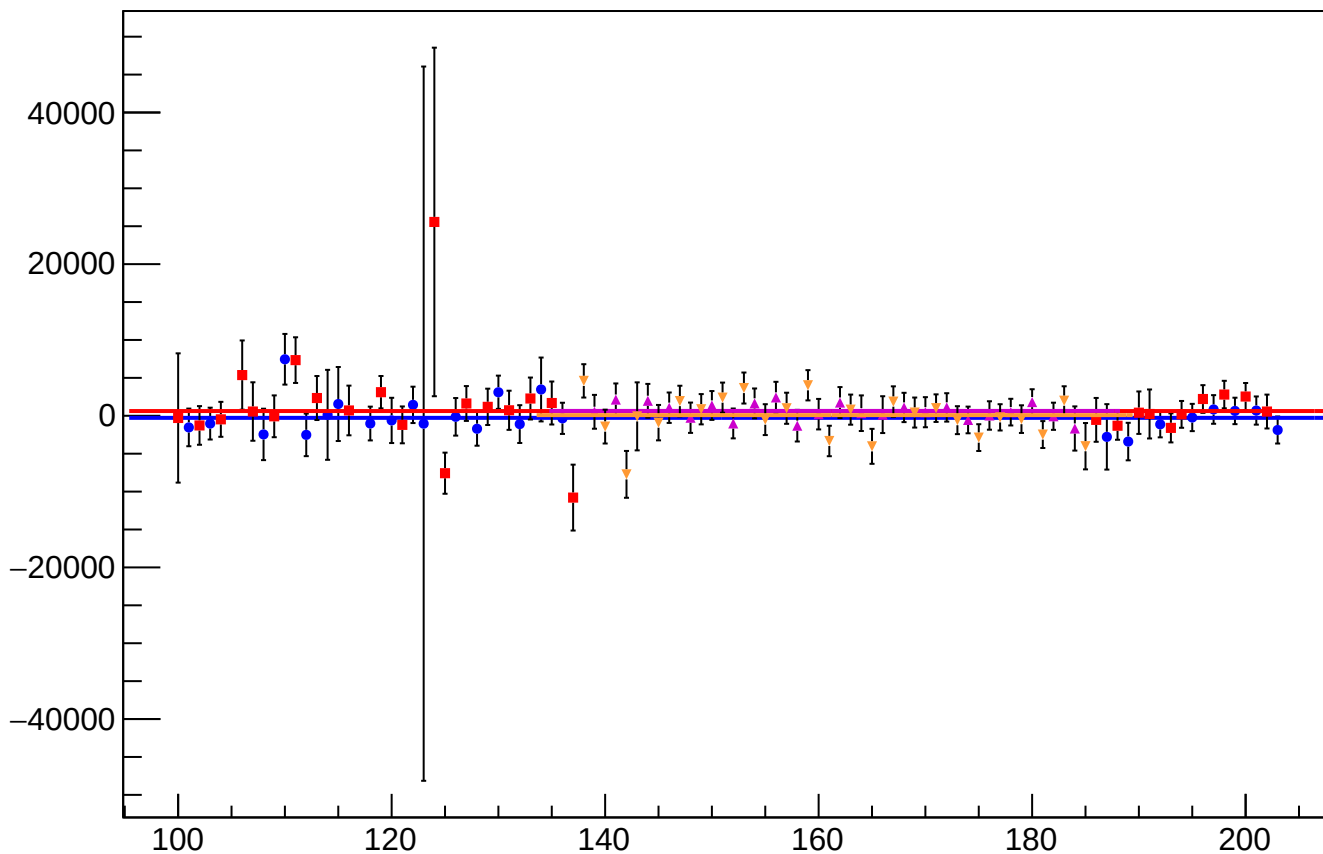
Left In: 5389.724+/-0.932 χ^2/NDF :1309863.0/22

+ sign 4398.519+/-0.598 χ^2/NDF : 6476763.8/49

All: 4381.153+/-0.421 χ^2/NDF : 13596834.2/1

- sign 4364.006+/-0.594 χ^2/NDF : 7118391.8/51

reg_asym_atl_dd_mean vs Slug



Right In: -273.418 ± 479.302 χ^2/NDF : 15.1/24

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

Right Out: 623.129 ± 465.311 χ^2/NDF : 33.2/28

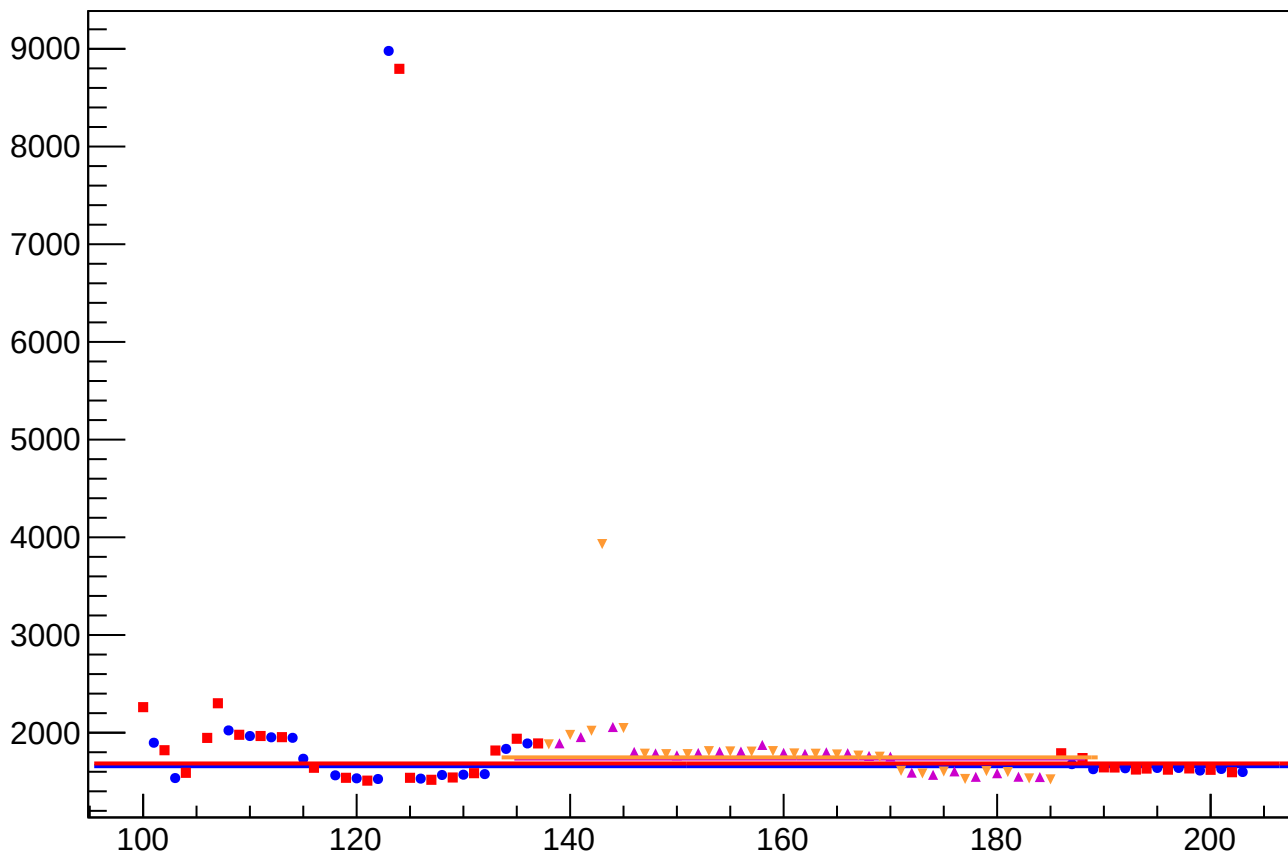
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -66.399 ± 312.232 χ^2/NDF : 51.5/49

All: 284.697 ± 220.277 χ^2/NDF : 93.4/101

- sign 632.602 ± 310.810 χ^2/NDF : 39.3/51

reg_asym_atl_dd_rms vs Slug



Right In: 1657.047 $\pm$ 0.339 χ^2 /NDF: 202490.1/24

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

Right Out: 1685.090 $\pm$ 0.328 χ^2 /NDF: 418001.1/28

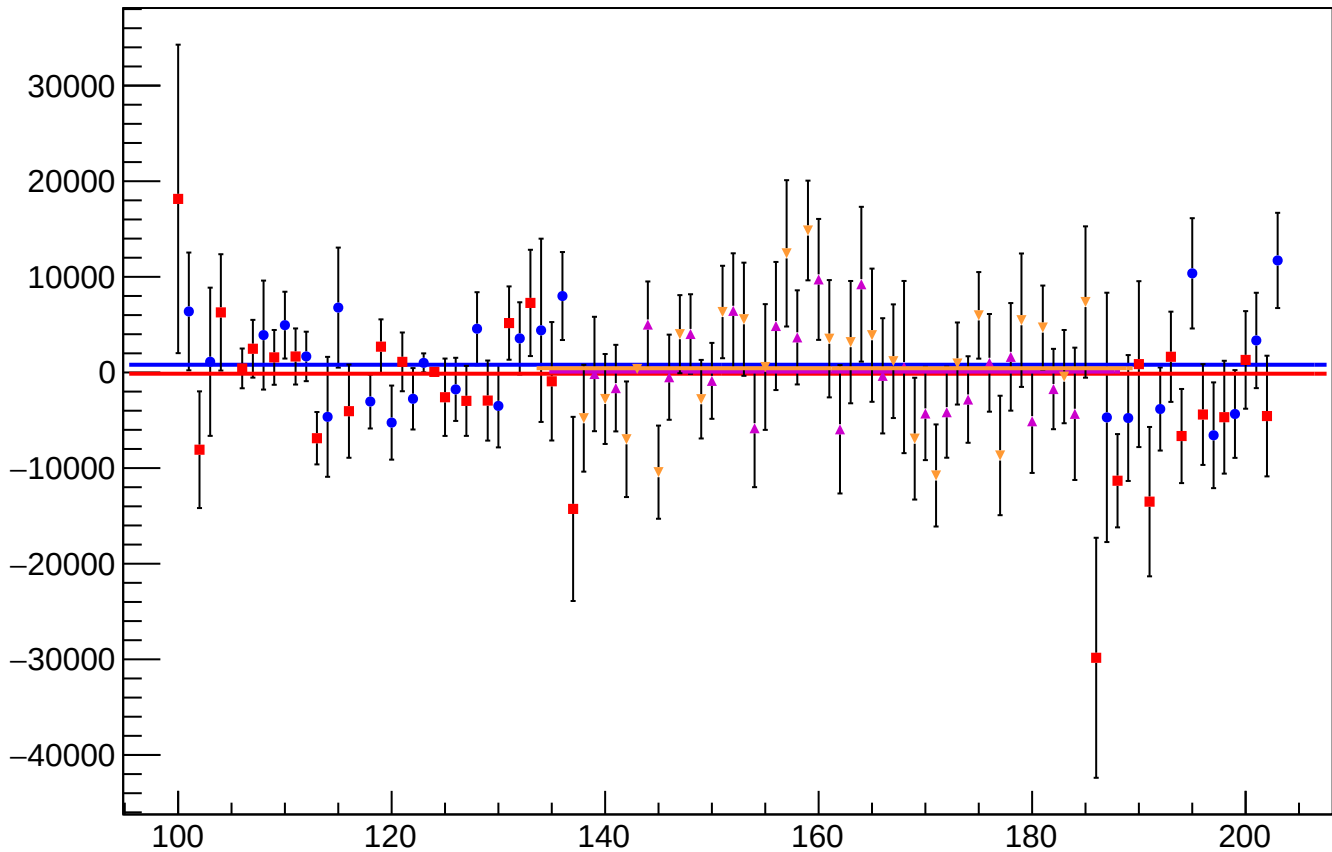
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1709.012 $\pm$ 0.221 χ^2 /NDF: 941522.0/49

All: 1711.005 $\pm$ 0.156 χ^2 /NDF: 1579504.0/10

- sign 1712.977 $\pm$ 0.220 χ^2 /NDF: 637819.8/51

asym_atl_dd_correction_mean vs Slug



Right In: 807.143 $\pm$ 663.105 χ^2 /NDF: 28.4/24

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

Right Out: -130.483 $\pm$ 350.817 χ^2 /NDF: 38.5/28

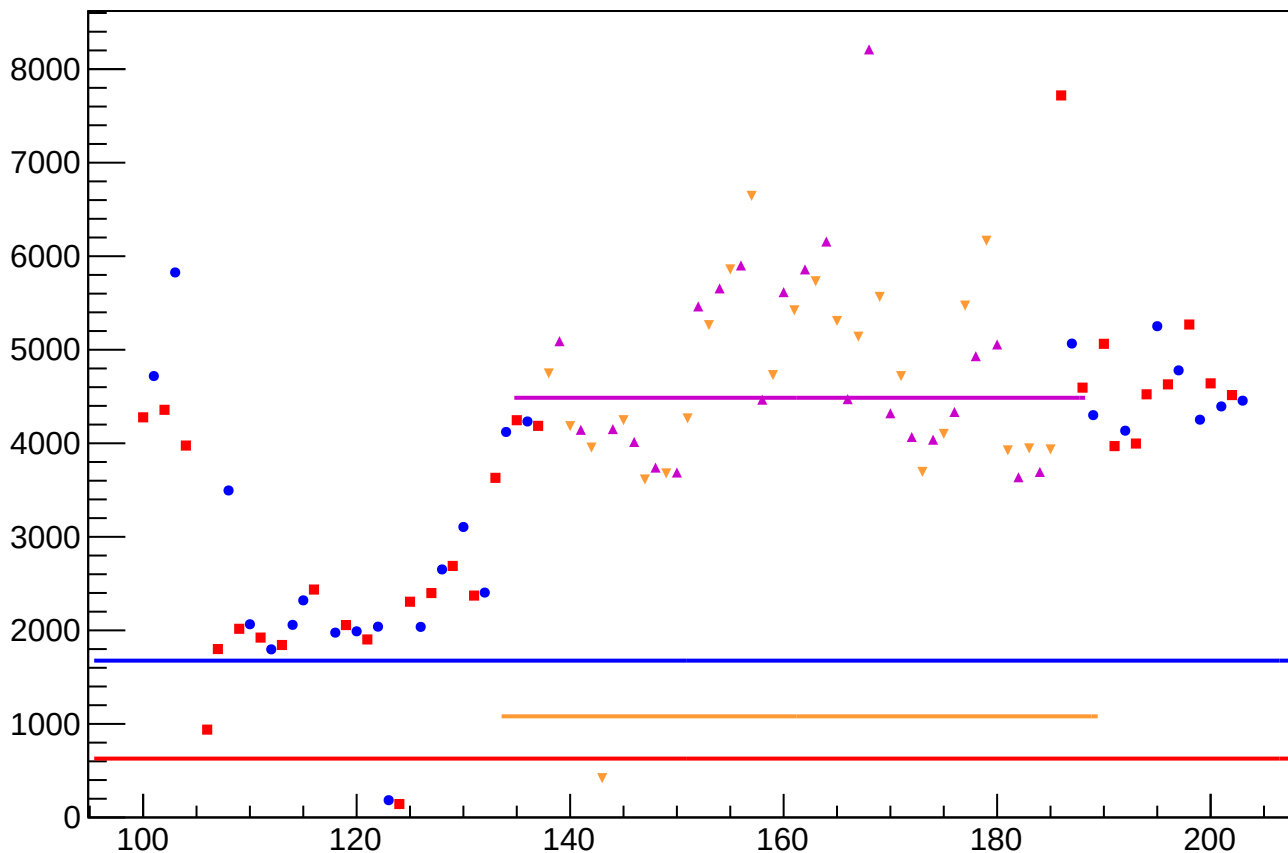
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 553.871 $\pm$ 366.823 χ^2 /NDF: 62.5/49

All: 190.945 $\pm$ 246.999 χ^2 /NDF: 116.3/101

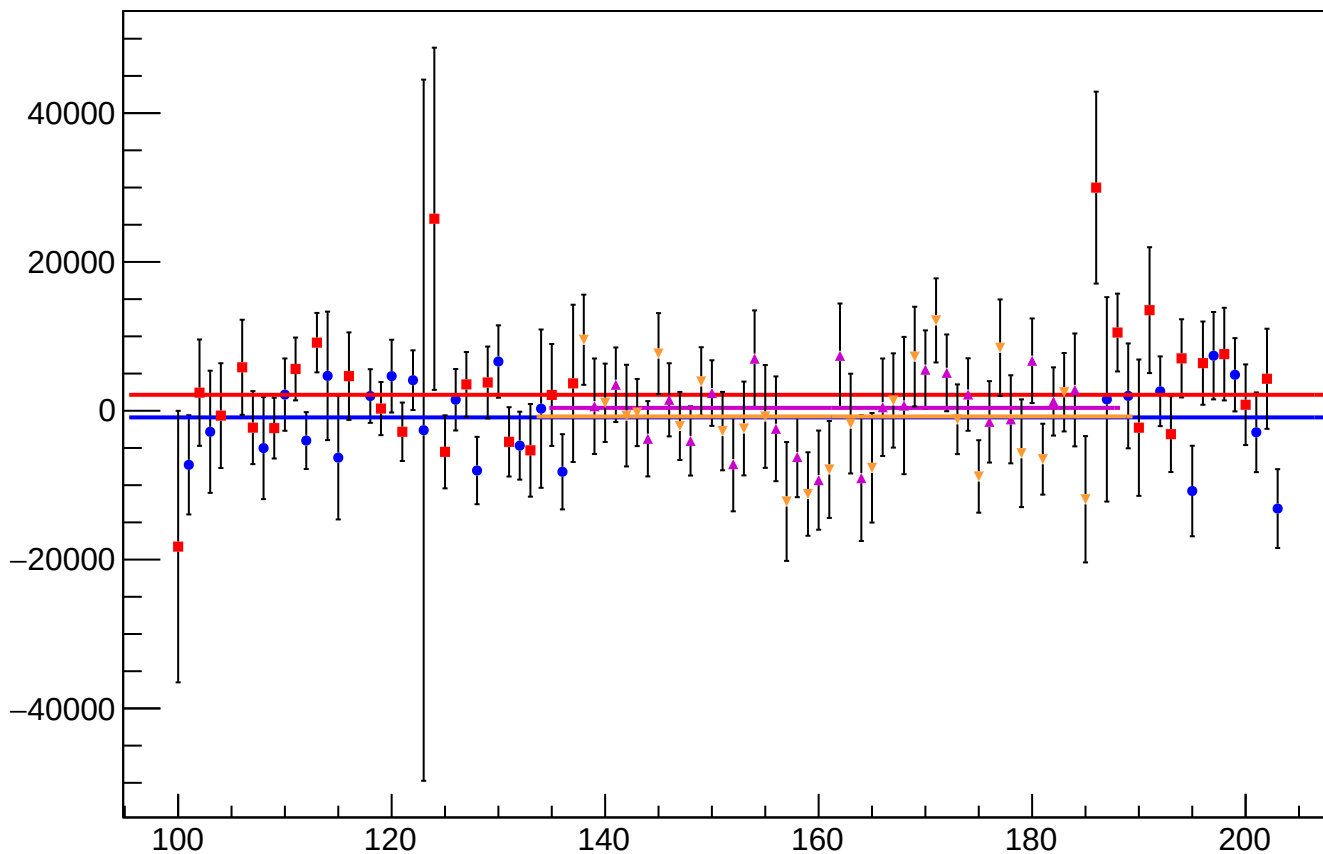
- sign -110.092 $\pm$ 334.085 χ^2 /NDF: 52.0/51

asym_atl_dd_correction_rms vs Slug



Right In: 1676.448 $\pm$ 0.469	χ^2 /NDF: 11430568.2/24	+ sign 1263.221 $\pm$ 0.259	χ^2 /NDF: 37005980.1/49
Left Out: 1081.004 $\pm$ 0.311	χ^2 /NDF: 24456244.2/24	All: 1113.044 $\pm$ 0.175	χ^2 /NDF: 81281894.3/51
Right Out: 629.312 $\pm$ 0.248	χ^2 /NDF: 19967689.4/28	- sign 988.476 $\pm$ 0.236	χ^2 /NDF: 43662646.4/51
Left In: 4486.570 $\pm$ 0.774	χ^2 /NDF: 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -892.114 ± 1076.357 $\chi^2/\text{NDF}: 27.0/24$

Left Out: -766.008 ± 1147.372 $\chi^2/\text{NDF}: 29.9/24$

Right Out: 2145.174 ± 1021.470 $\chi^2/\text{NDF}: 29.3/28$

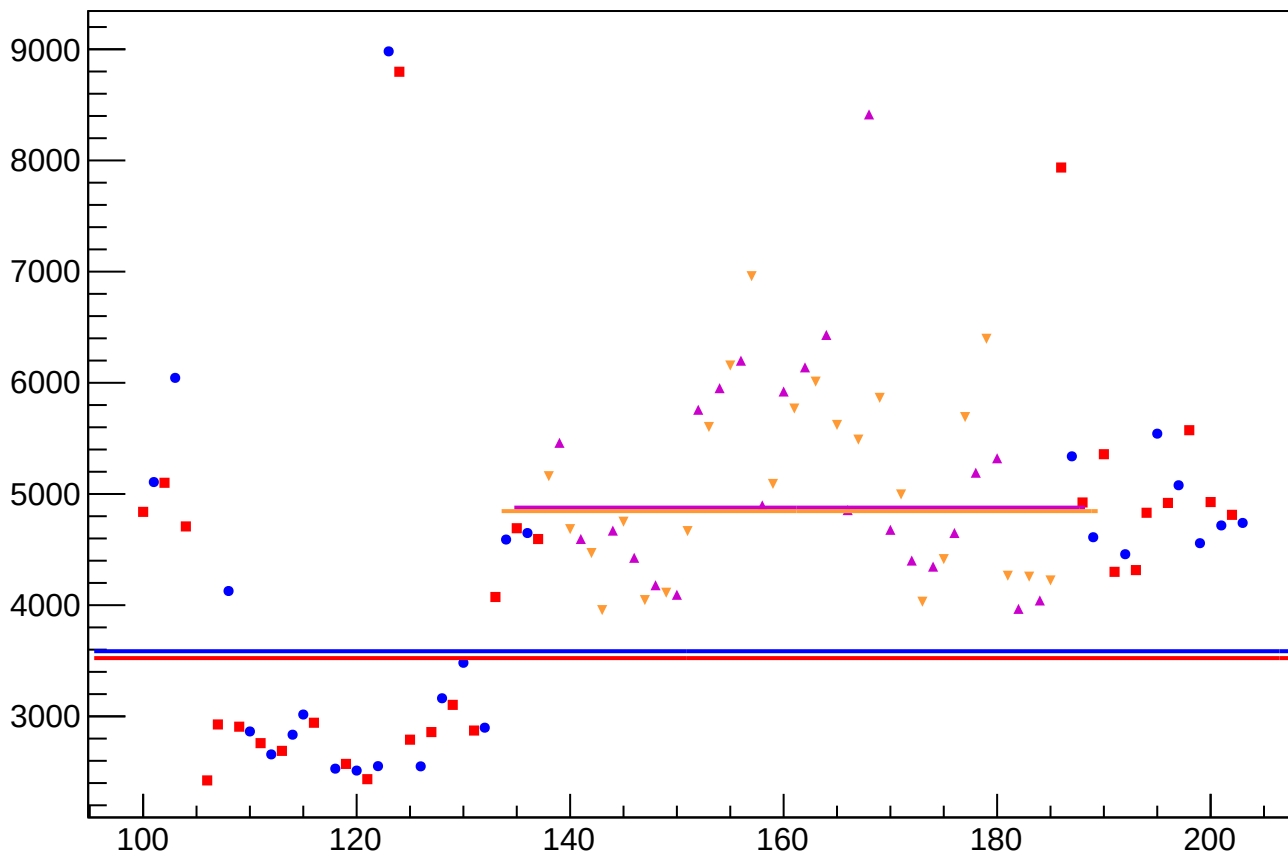
Left In: 388.944 ± 1186.300 $\chi^2/\text{NDF}: 14.2/22$

+ sign -833.084 ± 785.005 $\chi^2/\text{NDF}: 56.9/49$

All: 297.842 ± 551.172 $\chi^2/\text{NDF}: 105.7/101$

- sign 1397.451 ± 774.059 $\chi^2/\text{NDF}: 44.7/51$

asym_atl_dd_rms vs Slug



Right In: 3585.920+/-0.761 χ^2/NDF : 1948041.4/24

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

Right Out: 3523.850+/-0.716 χ^2/NDF : 2351572.0/28

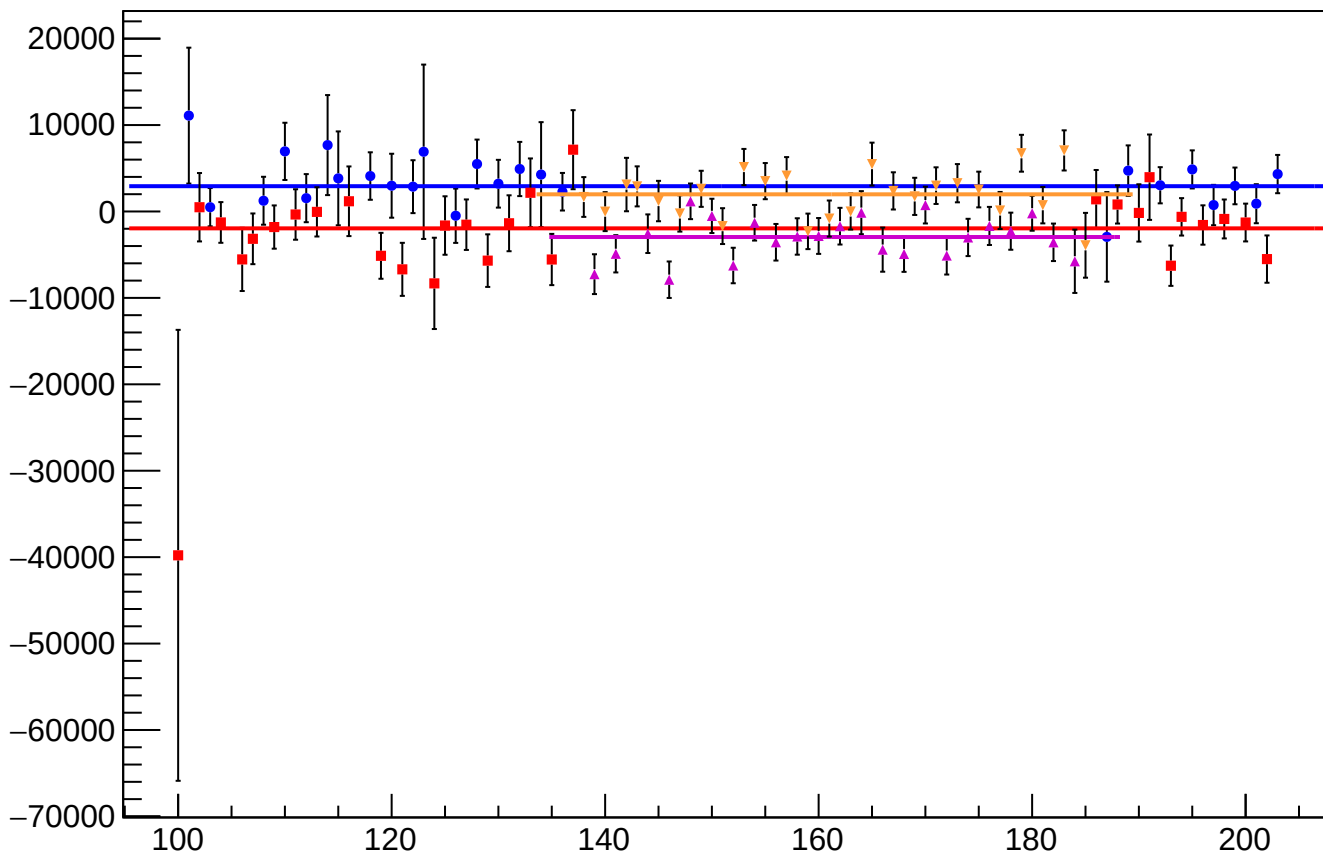
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4175.655+/-0.555 χ^2/NDF : 4139838.0/49

All: 4134.058+/-0.389 χ^2/NDF : 8968090.4/10

- sign 4094.042+/-0.544 χ^2/NDF : 4817234.4/51

reg_asym_atr_avg_mean vs Slug



Right In: 2925.414 $\pm$ 572.869 χ^2 /NDF: 12.5/24

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

Right Out: -1953.736 $\pm$ 544.760 χ^2 /NDF: 28.6/28

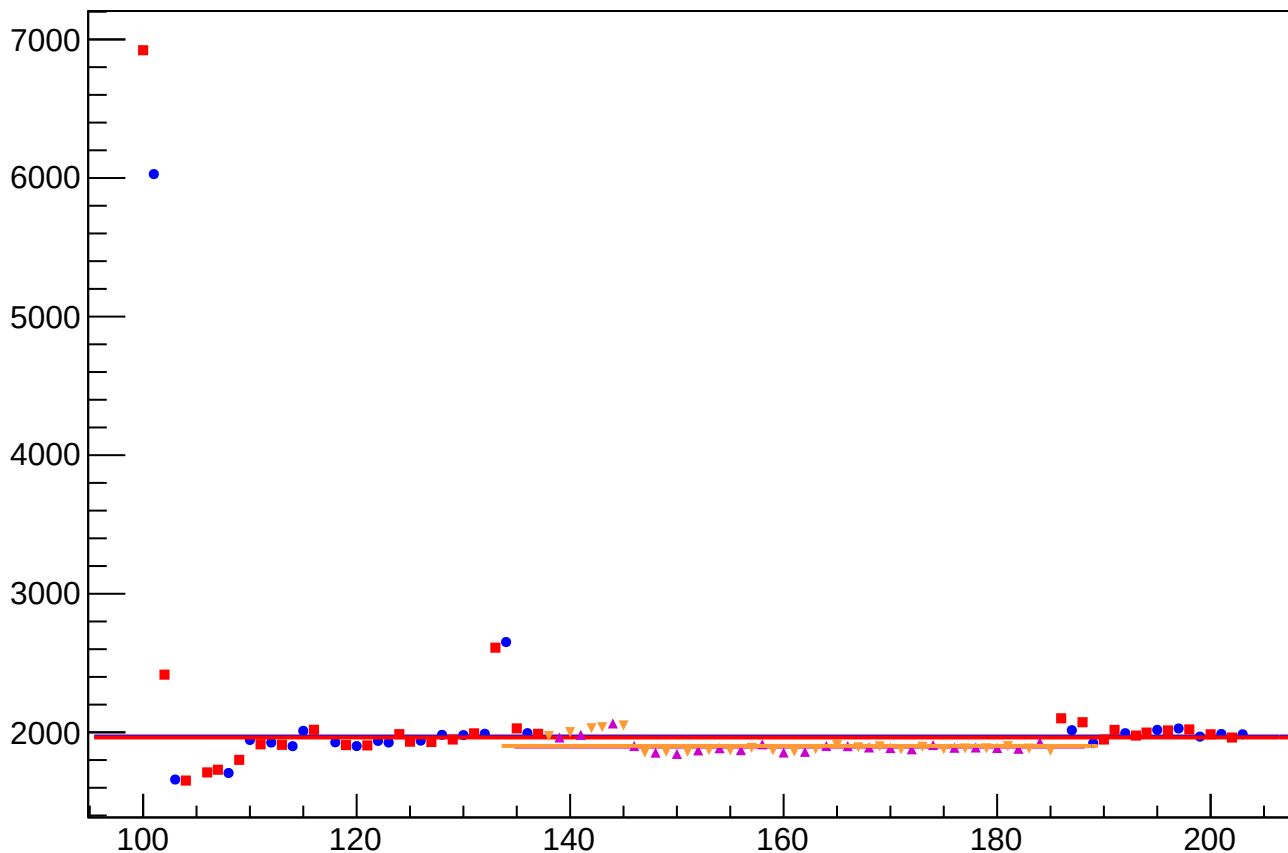
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF: 28.4/22

+ sign 2337.399 $\pm$ 350.536 χ^2 /NDF: 46.6/49

All: -114.216 $\pm$ 247.326 χ^2 /NDF: 203.0/101

- sign -2544.554 $\pm$ 349.012 χ^2 /NDF: 59.0/51

reg_asym_atr_avg_rms vs Slug



Right In: 1969.638 $\pm$ 0.405 χ^2 /NDF: 621799.8/24

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

Right Out: 1963.096 $\pm$ 0.385 χ^2 /NDF: 234748.1/28

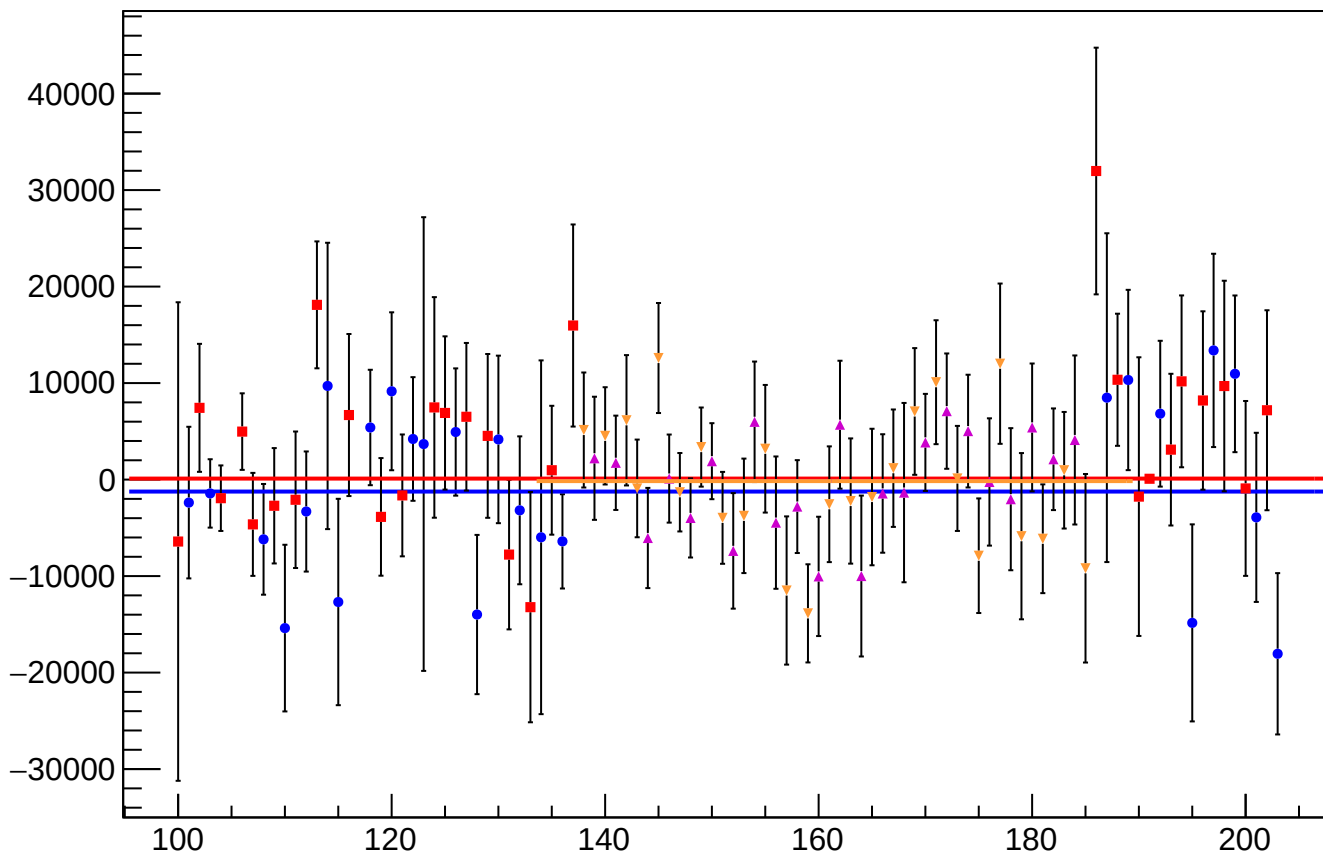
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF:21180.1/22

+ sign 1927.252 $\pm$ 0.248 χ^2 /NDF: 669748.1/49

All: 1925.838 $\pm$ 0.175 χ^2 /NDF: 942885.4/101

- sign 1924.439 $\pm$ 0.247 χ^2 /NDF: 273072.6/51

asym_atr_avg_correction_mean vs Slug



Right In: -1241.620+/-1482.165 χ^2/NDF : 27.1/24

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

Right Out: 102.883+/-109.578 χ^2/NDF : 31.5/28

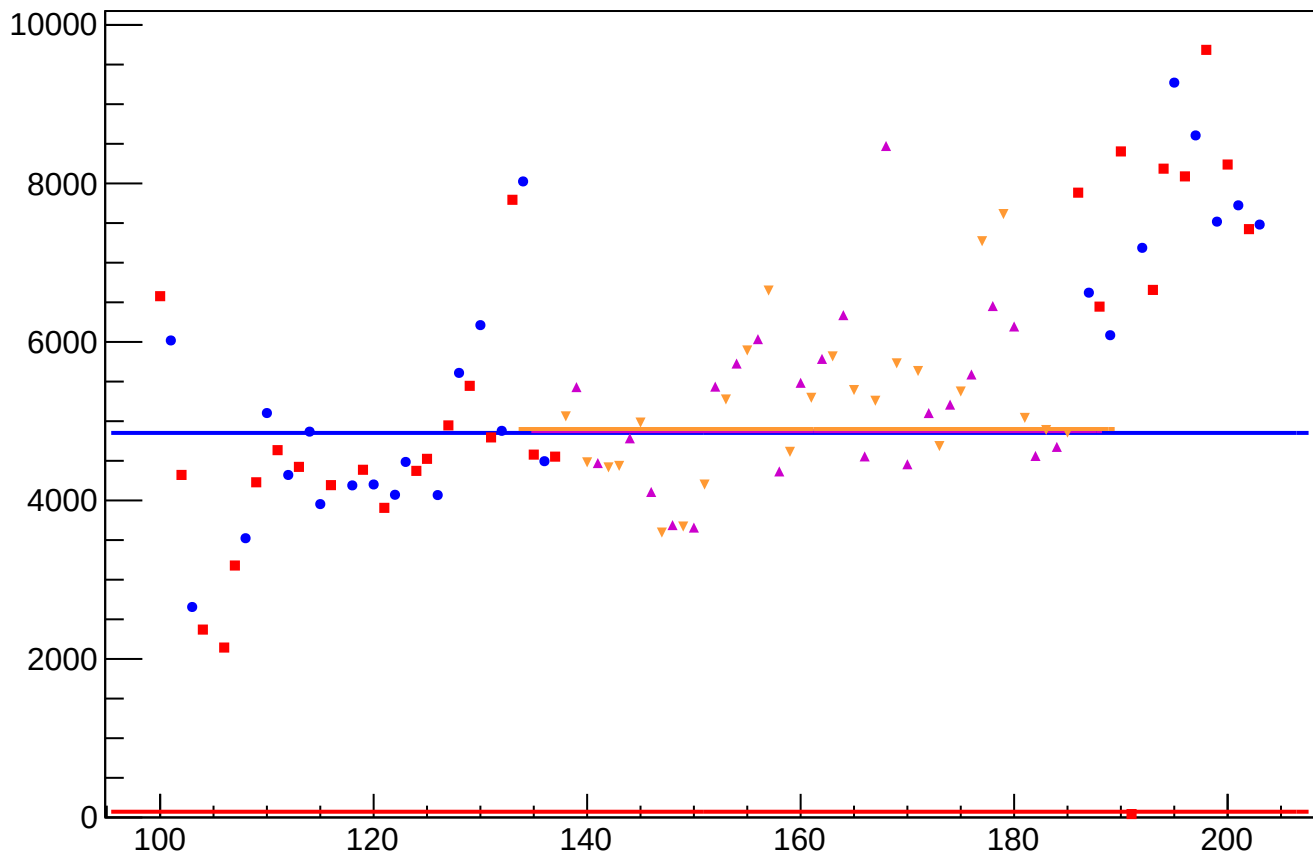
Left In: -139.000+/-1190.889 χ^2/NDF : 14.7/22

+ sign -571.901+/-916.338 χ^2/NDF : 56.9/49

All: 91.446+/-108.352 χ^2/NDF : 103.7/101

- sign 100.852+/-109.117 χ^2/NDF : 46.3/51

asym_atr_avg_correction_rms vs Slug



Right In: 4852.124+/-1.048 χ^2/NDF : 2714167.9/24

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

Right Out: 72.330+/-0.077 χ^2/NDF : 25420721.9/28

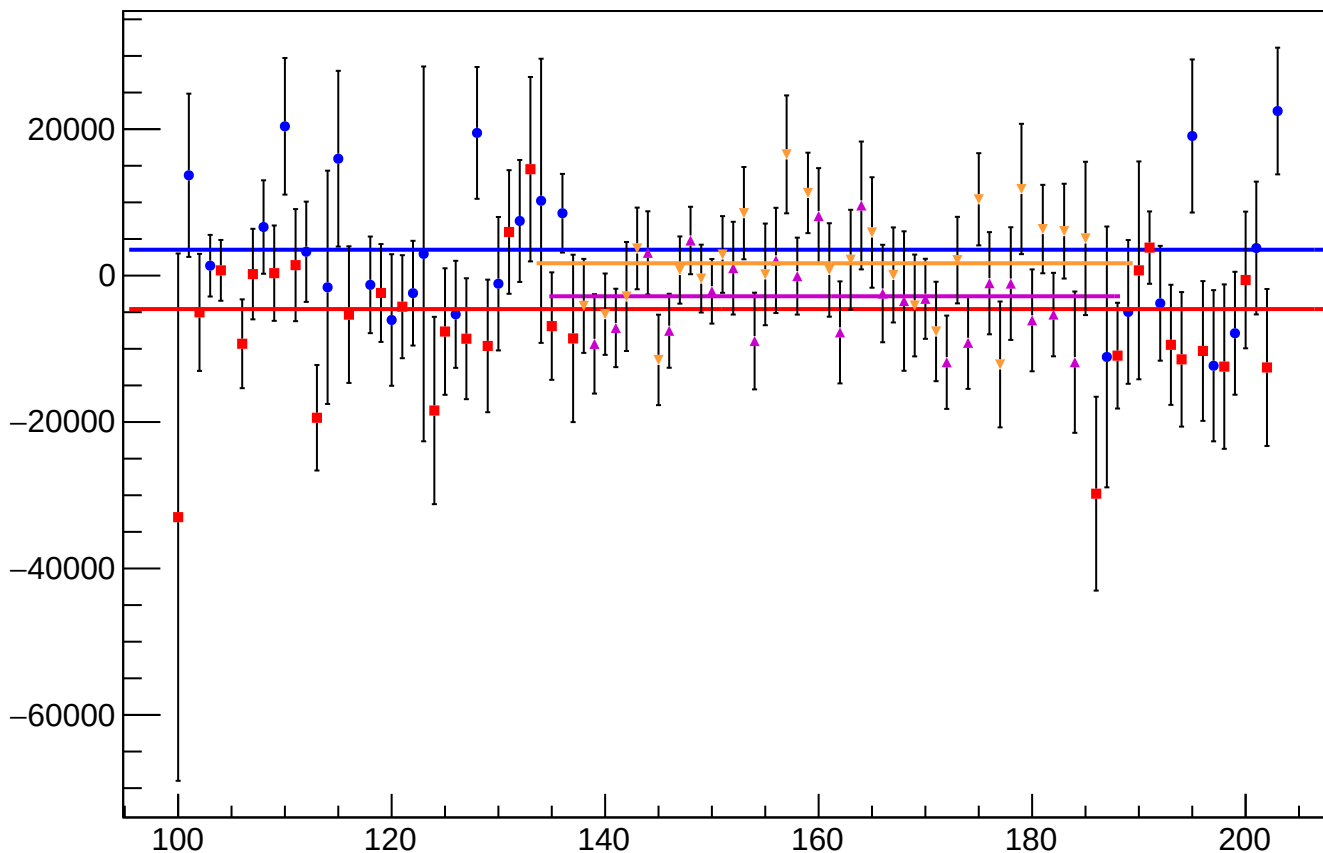
Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

+ sign 4882.539+/-0.648 χ^2/NDF : 3852447.2/49

All: 179.343+/-0.077 χ^2/NDF : 116192626.0/51

- sign 112.652+/-0.077 χ^2/NDF : 58905982.8/51

asym_atr_avg_mean vs Slug



Right In: 3533.178+/-1639.320 χ^2/NDF : 27.7/24

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4571.938+/-1457.226 χ^2/NDF : 24.8/28

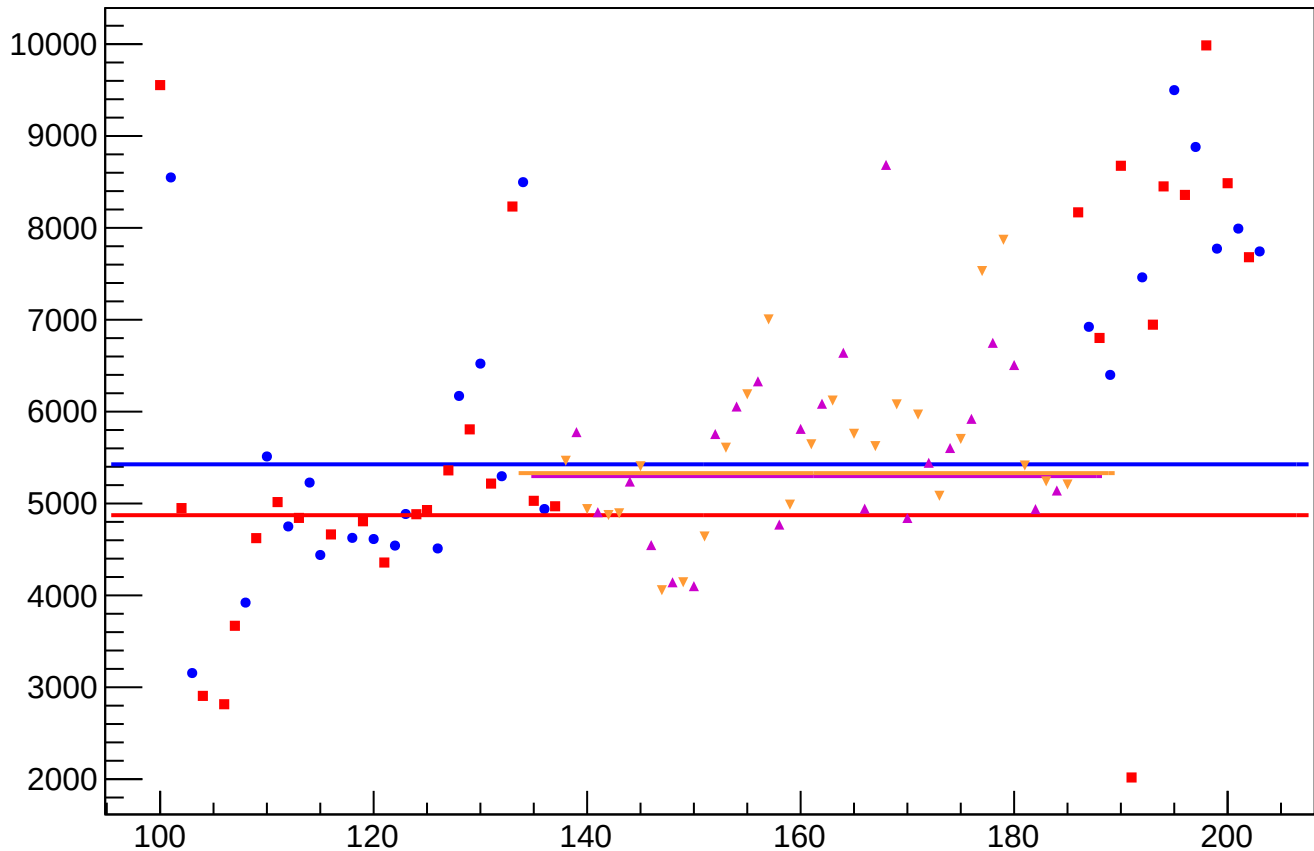
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2373.452+/-999.827 χ^2/NDF : 53.9/49

All: -713.700+/-694.433 χ^2/NDF : 116.0/101

- sign -3590.948+/-965.238 χ^2/NDF : 43.7/51

asym_atr_avg_rms vs Slug



Right In: 5426.469+/-1.159 χ^2 /NDF: 2258571.0/24

Left Out: 5330.725+/-0.892 χ^2 /NDF: 868061.7/24

Right Out: 4872.912+/-1.026 χ^2 /NDF: 3627166.1/28

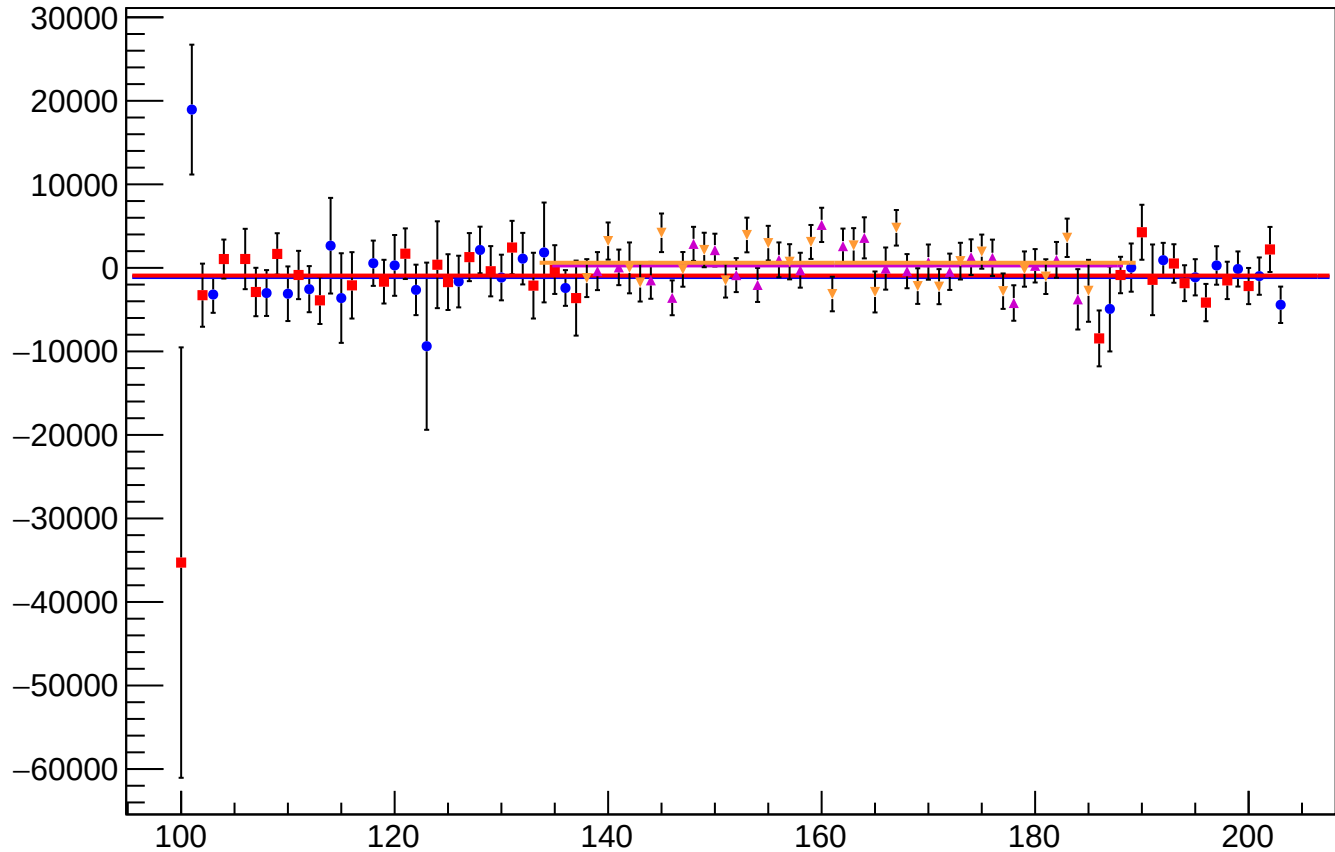
Left In: 5298.329+/-0.911 χ^2 /NDF: 956021.6/22

+ sign 5366.340+/-0.707 χ^2 /NDF: 3130917.1/49

All: 5233.847+/-0.491 χ^2 /NDF: 7877952.5/10

- sign 5110.811+/-0.681 χ^2 /NDF: 4679300.1/51

reg_asym_atr_dd_mean vs Slug



Right In: -1097.167 ± 565.440 $\chi^2/\text{NDF}: 17.9/24$

Left Out: 612.314 ± 438.264 $\chi^2/\text{NDF}: 32.7/24$

Right Out: -922.431 ± 537.030 $\chi^2/\text{NDF}: 21.1/28$

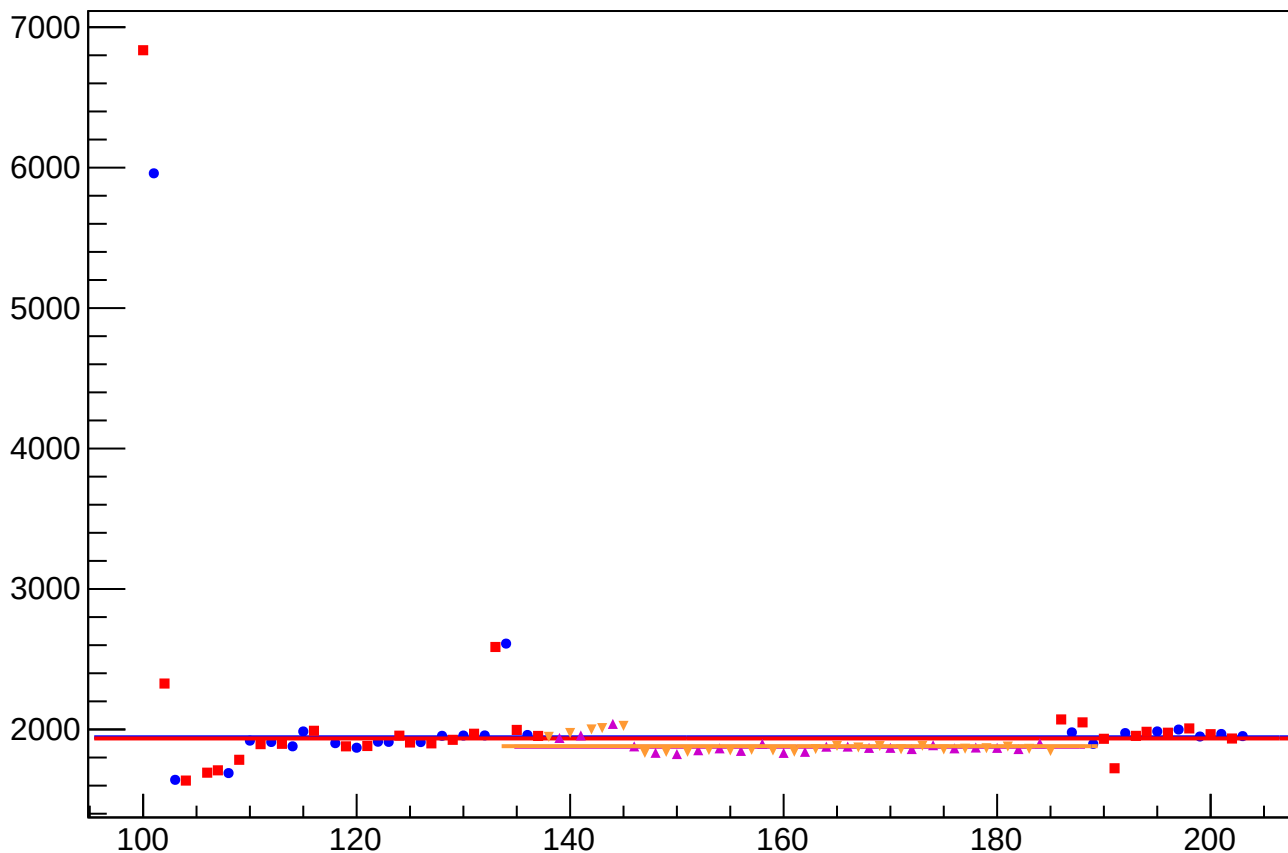
Left In: 293.009 ± 449.575 $\chi^2/\text{NDF}: 23.6/22$

+ sign -29.247 ± 346.396 $\chi^2/\text{NDF}: 56.3/49$

All: -118.961 ± 244.346 $\chi^2/\text{NDF}: 104.1/101$

- sign -207.812 ± 344.725 $\chi^2/\text{NDF}: 47.7/51$

reg_asym_atr_dd_rms vs Slug



Right In: 1944.186 $\pm$ 0.400 χ^2 /NDF: 620136.6/24

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1935.804 $\pm$ 0.379 χ^2 /NDF: 233773.7/28

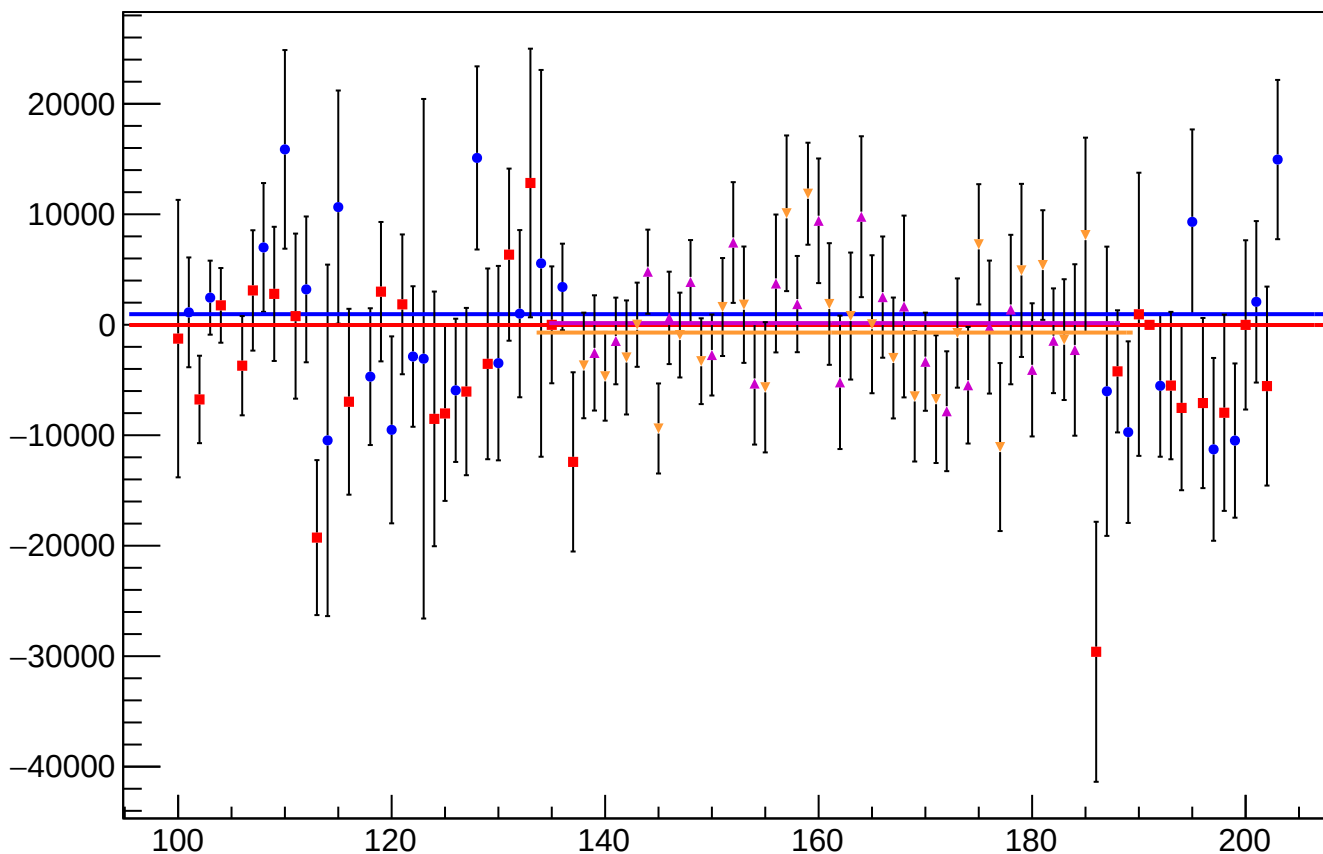
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1904.594 $\pm$ 0.245 χ^2 /NDF: 664488.7/49

All: 1902.827 $\pm$ 0.173 χ^2 /NDF: 933136.5/101

- sign 1901.080 $\pm$ 0.244 χ^2 /NDF: 268544.4/51

asym_atr_dd_correction_mean vs Slug



Right In: 958.492 $\pm$ 1356.807 χ^2 /NDF: 25.7/24

Left Out: -707.785 $\pm$ 1017.719 χ^2 /NDF: 27.1/24

Right Out: -22.901 $\pm$ 85.810 χ^2 /NDF: 30.1/28

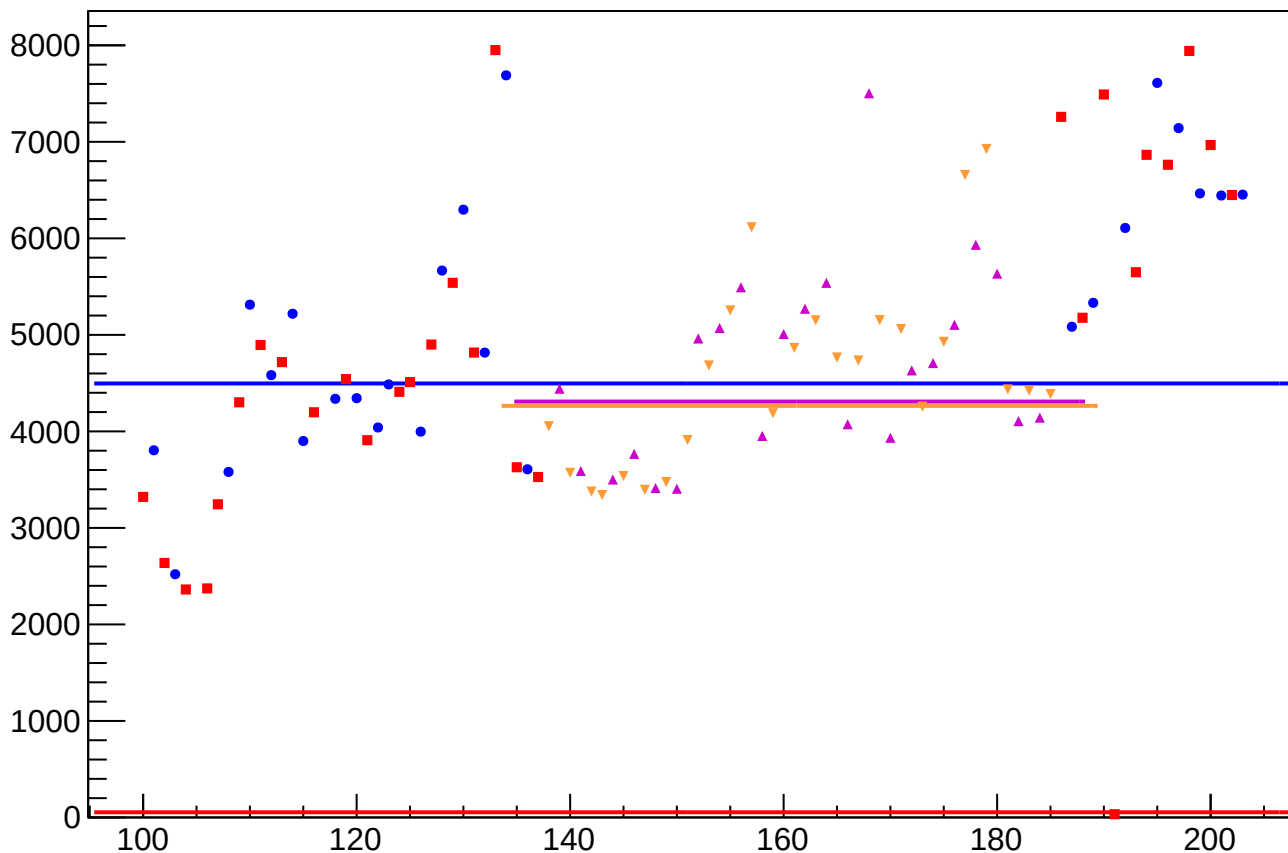
Left In: 150.495 $\pm$ 1053.655 χ^2 /NDF: 16.9/22

+ sign -107.840 $\pm$ 814.142 χ^2 /NDF: 53.8/49

All: -22.698 $\pm$ 85.059 χ^2 /NDF: 100.7/101

- sign -21.758 $\pm$ 85.527 χ^2 /NDF: 47.0/51

asym_atr_dd_correction_rms vs Slug



Right In: 4496.451 $\pm$ 0.959 χ^2 /NDF: 2213054.3/24

Left Out: 4264.433 $\pm$ 0.720 χ^2 /NDF:1354900.8/24

Right Out: 53.489 $\pm$ 0.061 χ^2 /NDF: 25559736.0/28

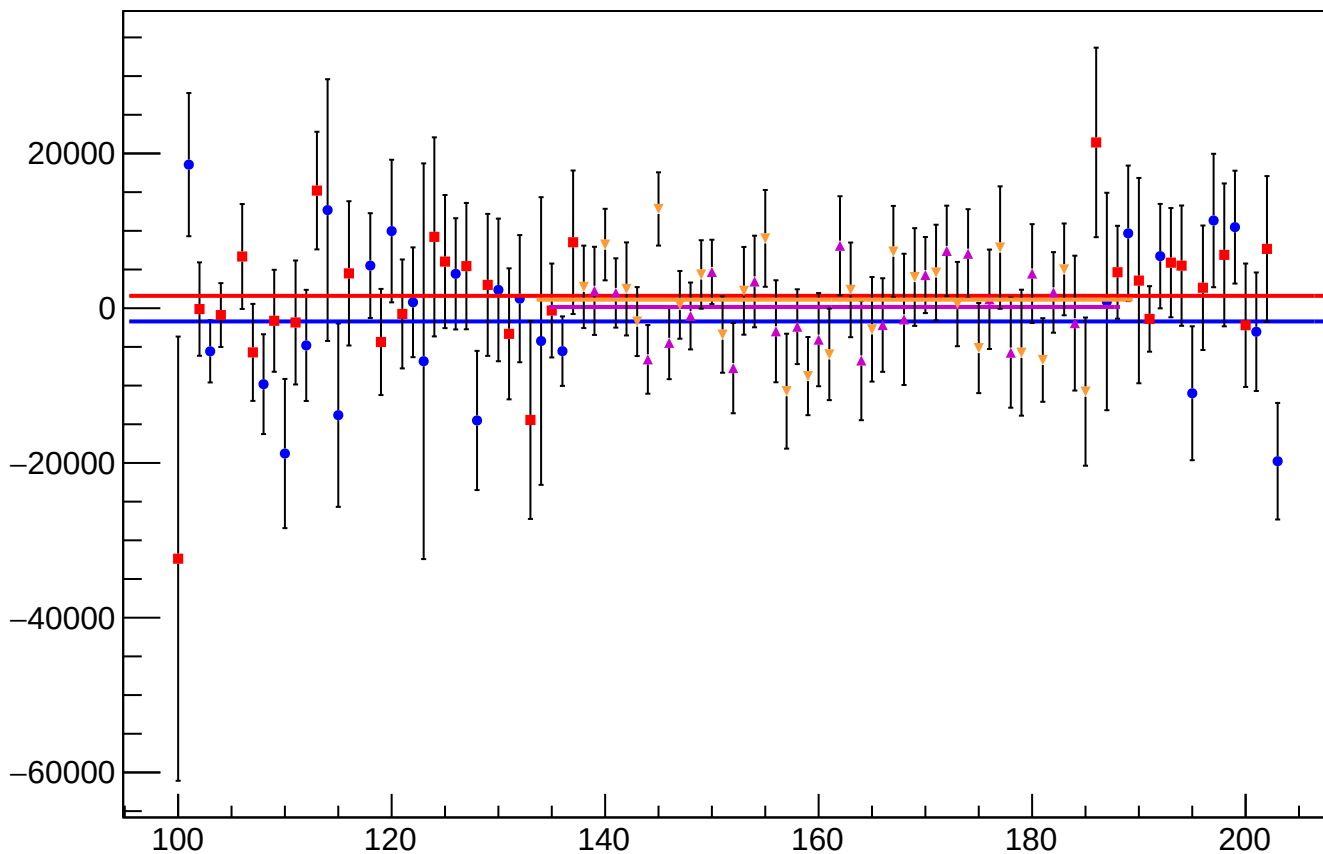
Left In: 4309.034 $\pm$ 0.745 χ^2 /NDF:1305133.3/22

+ sign 4347.971 $\pm$ 0.576 χ^2 /NDF: 3605382.0/49

All: 128.097 $\pm$ 0.060 χ^2 /NDF: 117204129.6/1

- sign 81.528 $\pm$ 0.060 χ^2 /NDF: 59274374.1/51

asym_atr_dd_mean vs Slug



Right In: -1708.866 ± 1535.005 χ^2/NDF : 34.4/24

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1597.467 ± 1366.560 χ^2/NDF : 16.8/28

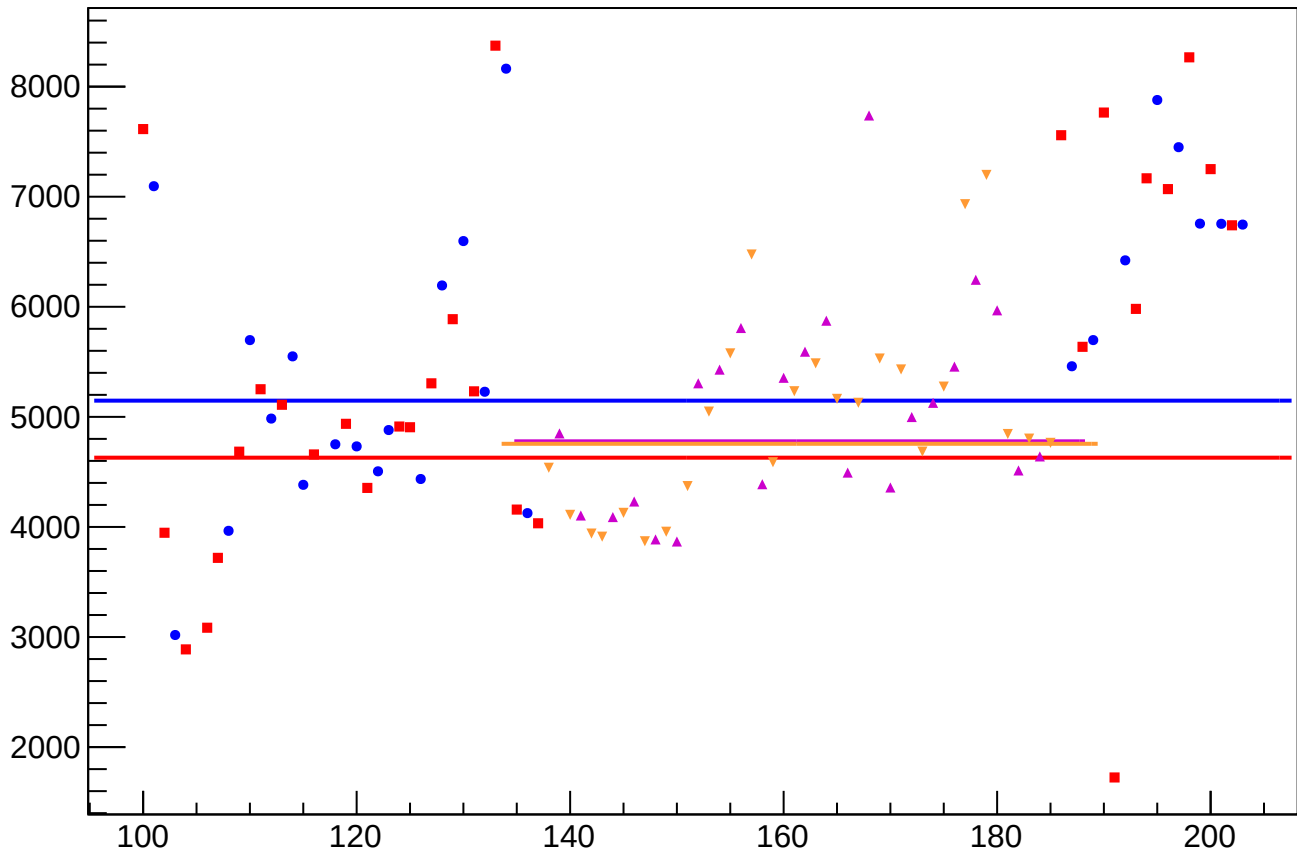
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 118.015 ± 908.267 χ^2/NDF : 65.1/49

All: 448.424 ± 633.863 χ^2/NDF : 98.4/101

- sign 762.137 ± 885.020 χ^2/NDF : 33.0/51

asym_atr_dd_rms vs Slug



Right In: 5147.364+/-1.085 χ^2/NDF : 1711136.1/24

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

+ sign 4892.621+/-0.642 χ^2/NDF : 2749221.9/49

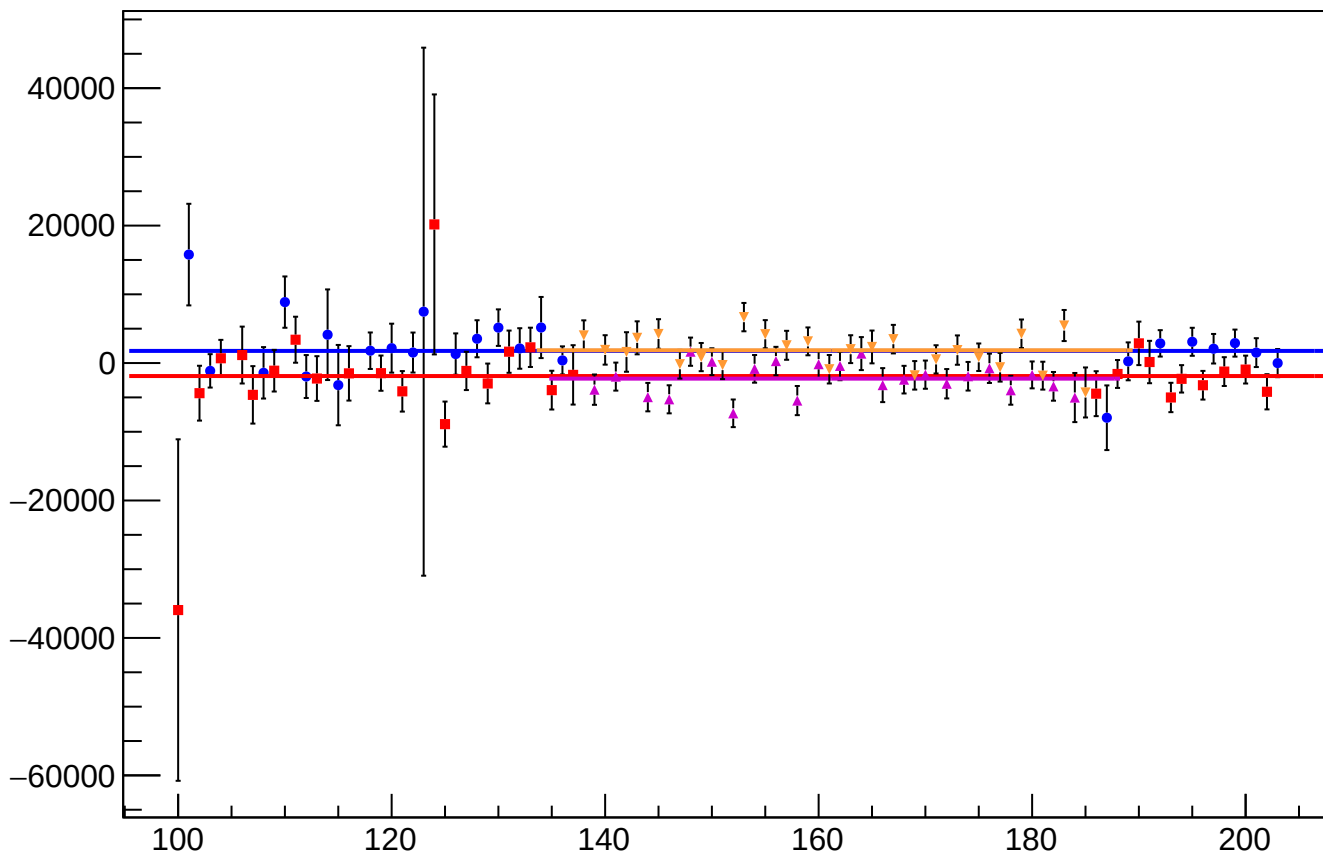
Right Out: 4629.295+/-0.963 χ^2/NDF : 3173388.2/28

All: 4801.510+/-0.448 χ^2/NDF : 6925852.4/100

- sign 4715.268+/-0.625 χ^2/NDF : 4137455.7/51

Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

reg_asym_at1_avg_mean vs Slug



Right In: 1764.757 ± 554.880 χ^2/NDF : 21.3/24

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

Right Out: -1891.774 ± 529.996 χ^2/NDF : 24.5/28

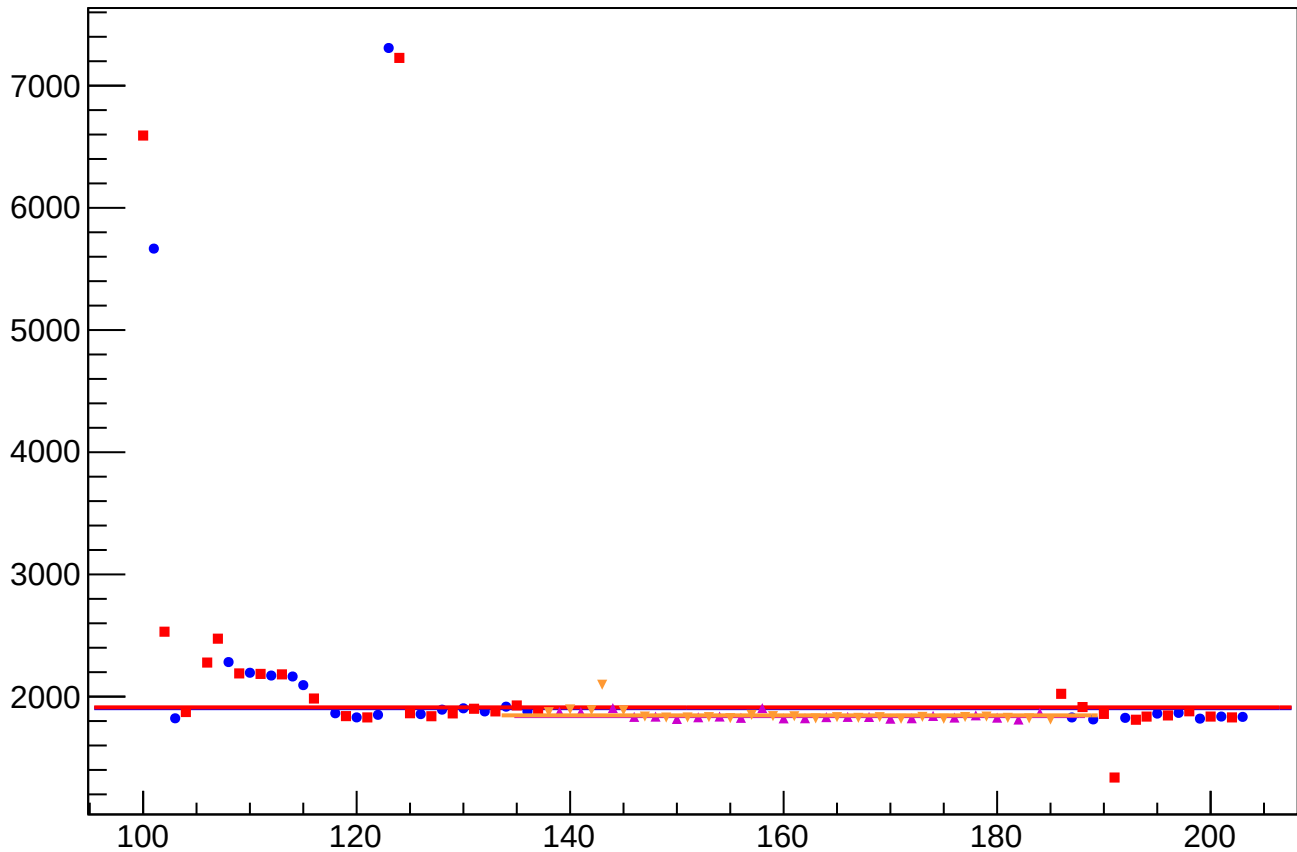
Left In: -2268.464 ± 441.710 χ^2/NDF : 26.9/22

+ sign 1822.023 ± 340.370 χ^2/NDF : 51.3/49

All: -152.118 ± 240.304 χ^2/NDF : 170.0/101

- sign -2114.064 ± 339.317 χ^2/NDF : 51.7/51

reg_asym_at1_avg_rms vs Slug



Right In: 1905.428+/-0.392 χ^2/NDF : 631113.6/24

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1912.038+/-0.375 χ^2/NDF : 466779.0/28

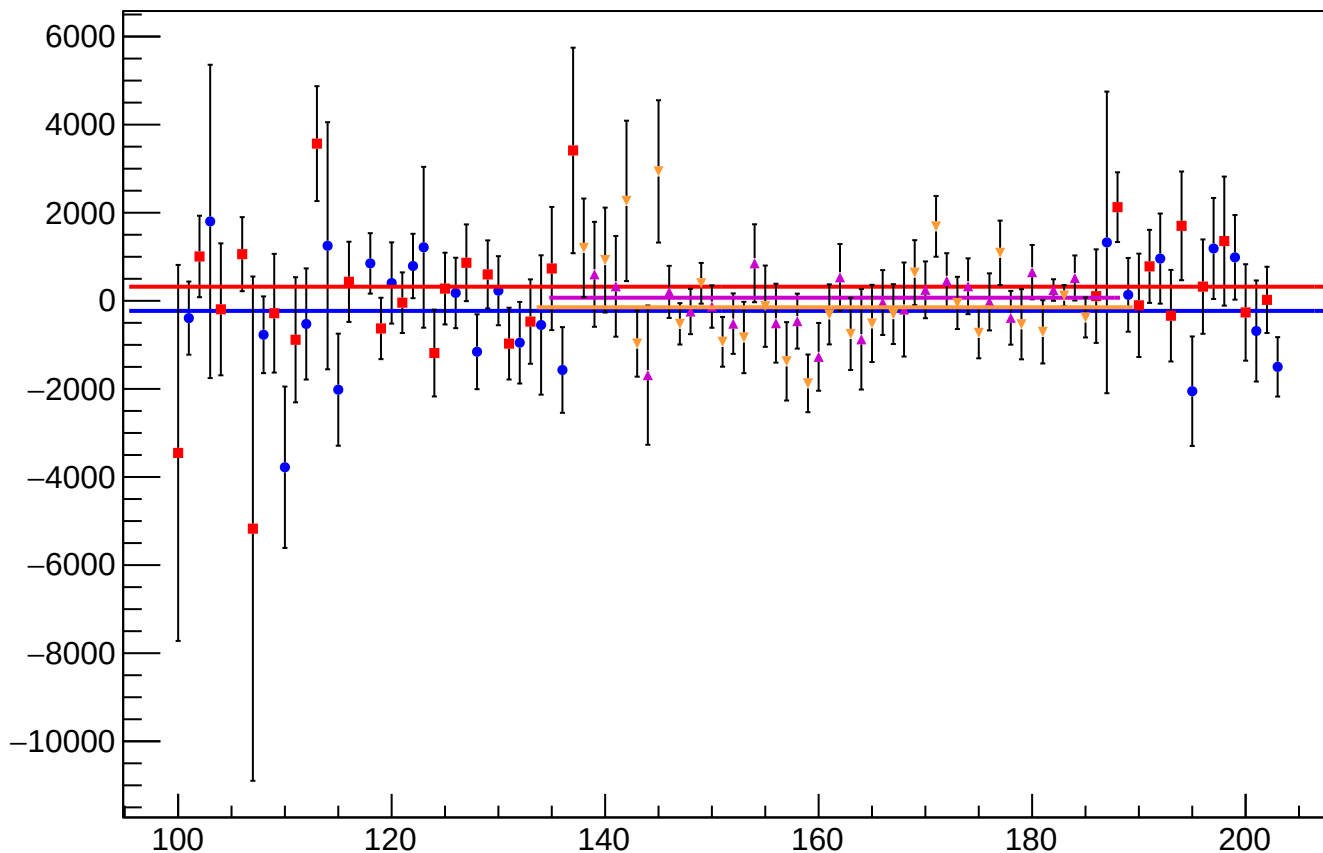
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1868.737+/-0.241 χ^2/NDF : 672437.1/49

All: 1869.294+/-0.170 χ^2/NDF : 1167444.8/10

- sign 1869.847+/-0.240 χ^2/NDF : 494997.0/51

asym_at1_avg_correction_mean vs Slug



Right In: -228.617+/-199.577 χ^2 /NDF: 27.4/24

Left Out: -146.999+/-121.984 χ^2 /NDF:37.7/24

Right Out: 320.539+/-185.289 χ^2 /NDF: 28.6/28

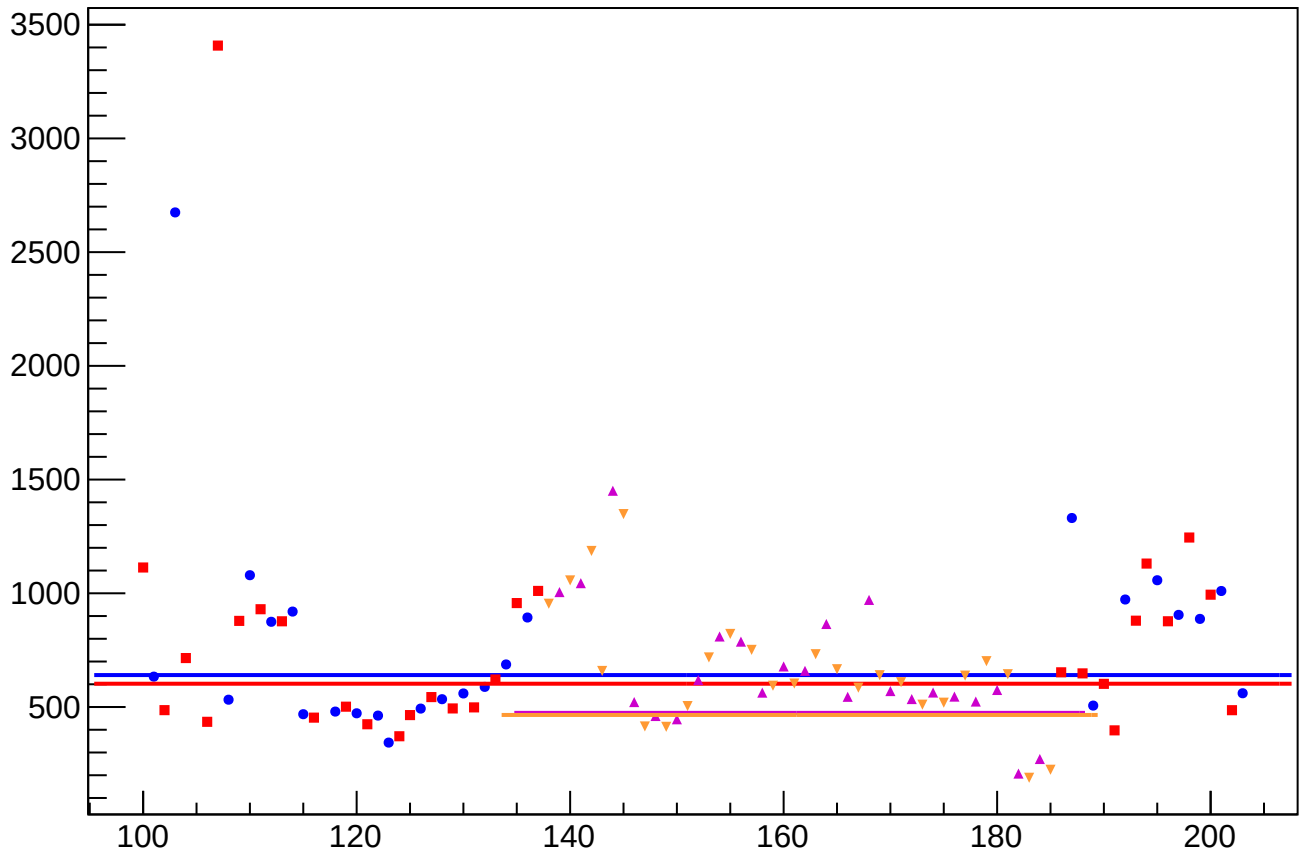
Left In: 70.340+/-126.373 χ^2 /NDF:12.3/22

+ sign -169.197+/-104.082 χ^2 /NDF: 65.2/49

All: -10.201+/-73.710 χ^2 /NDF: 112.0/101

- sign 149.775+/-104.402 χ^2 /NDF: 42.1/51

asym_at1_avg_correction_rms vs Slug



Right In: 640.467+/-0.141 χ^2/NDF : 2580425.3/24

Left Out: 465.080+/-0.086 χ^2/NDF : 7086137.6/24

Right Out: 602.393+/-0.131 χ^2/NDF : 3041823.1/28

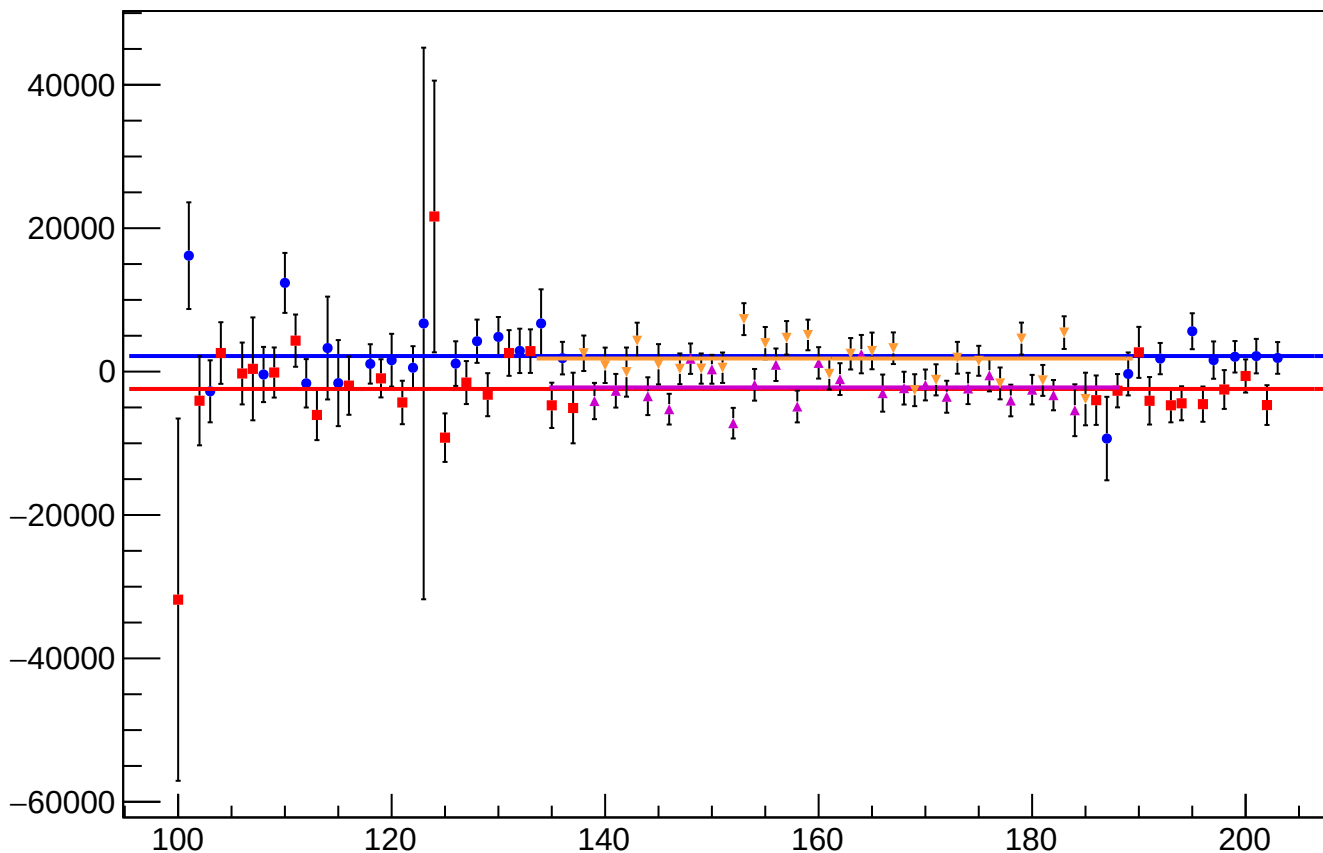
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 512.781+/-0.074 χ^2/NDF : 10791031.0/49

All: 513.858+/-0.052 χ^2/NDF : 20659132.3/100

- sign 514.942+/-0.074 χ^2/NDF : 9867671.7/51

asym_at1_avg_mean vs Slug



Right In: 2168.723+/-622.919 χ^2/NDF : 22.5/24

Left Out: 1824.066+/-462.694 χ^2/NDF : 32.1/24

Right Out: -2421.006+/-600.009 χ^2/NDF : 27.1/28

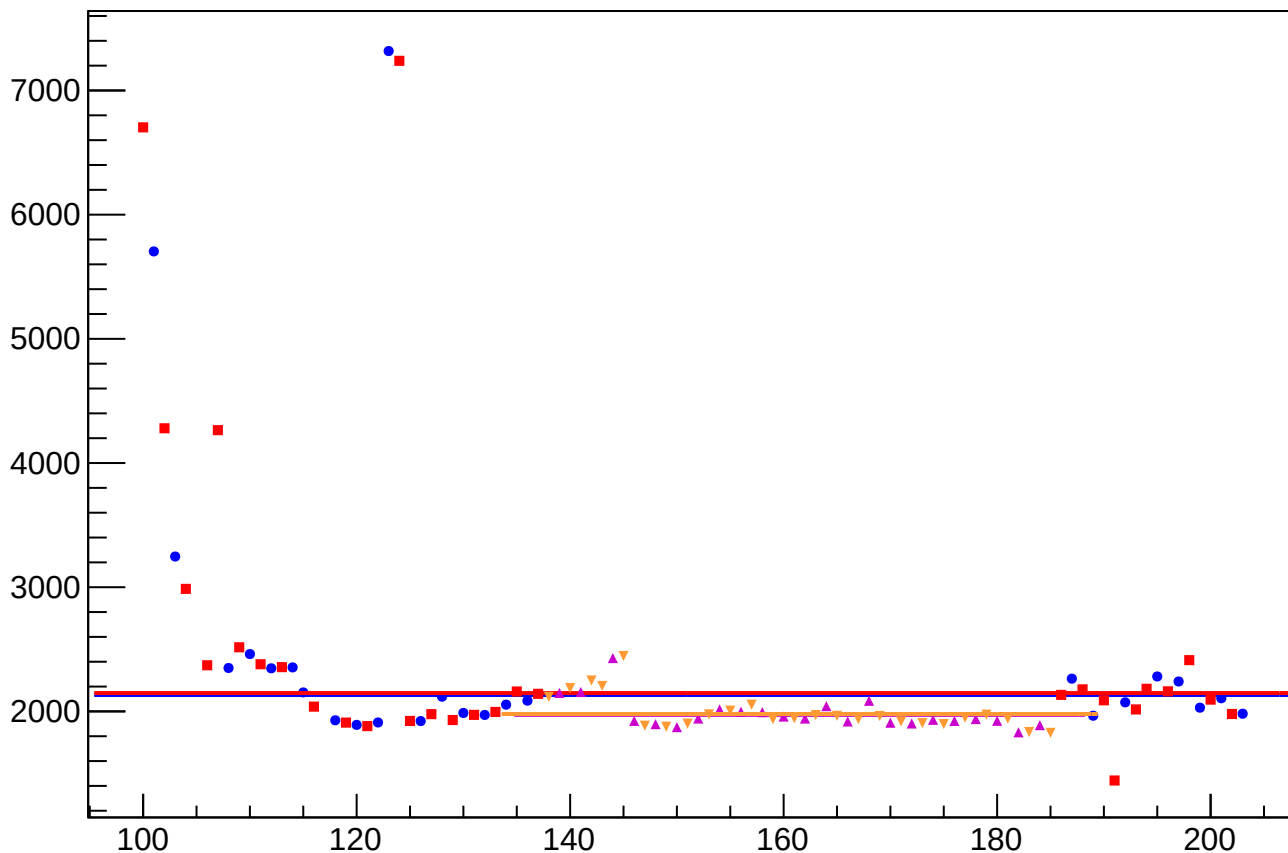
Left In: -2208.114+/-474.050 χ^2/NDF : 25.3/22

+ sign 1946.611+/-371.438 χ^2/NDF : 54.8/49

All: -168.653+/-262.833 χ^2/NDF : 172.3/101

- sign -2289.932+/-371.966 χ^2/NDF : 52.5/51

asym_at1_avg_rms vs Slug



Right In: 2132.394+/-0.440 χ^2/NDF : 743928.8/24

Left Out: 1978.997+/-0.327 χ^2/NDF :139299.8/24

Right Out: 2147.670+/-0.424 χ^2/NDF : 932868.6/28

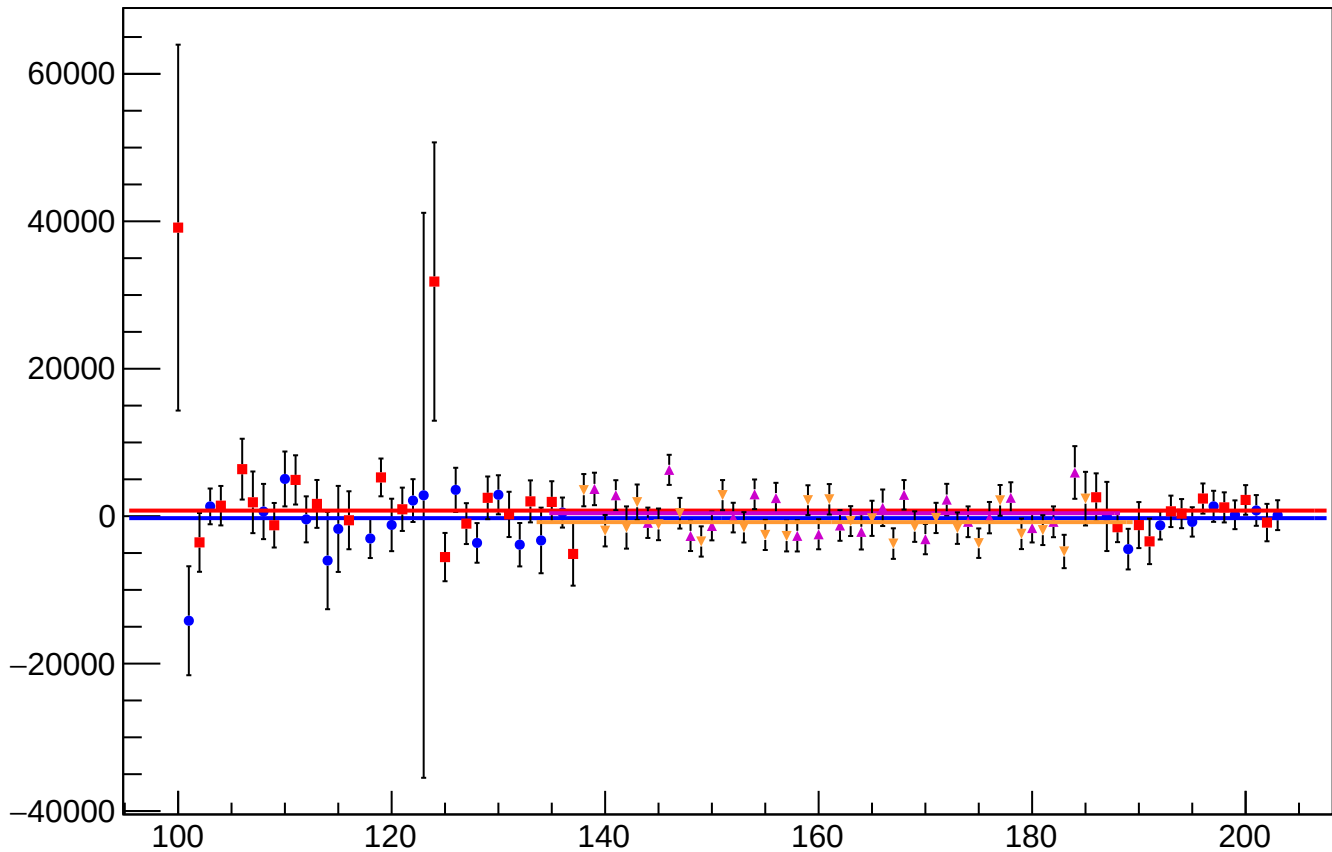
Left In: 1972.166+/-0.335 χ^2/NDF :116452.5/22

+ sign 2033.538+/-0.263 χ^2/NDF : 961388.4/49

All: 2036.573+/-0.186 χ^2/NDF : 2116329.9/100

- sign 2039.616+/-0.263 χ^2/NDF : 1154674.2/51

reg_asym_at1_dd_mean vs Slug



Right In: -268.212 ± 551.419 χ^2/NDF : 19.0/24

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 757.154 ± 526.538 χ^2/NDF : 25.7/28

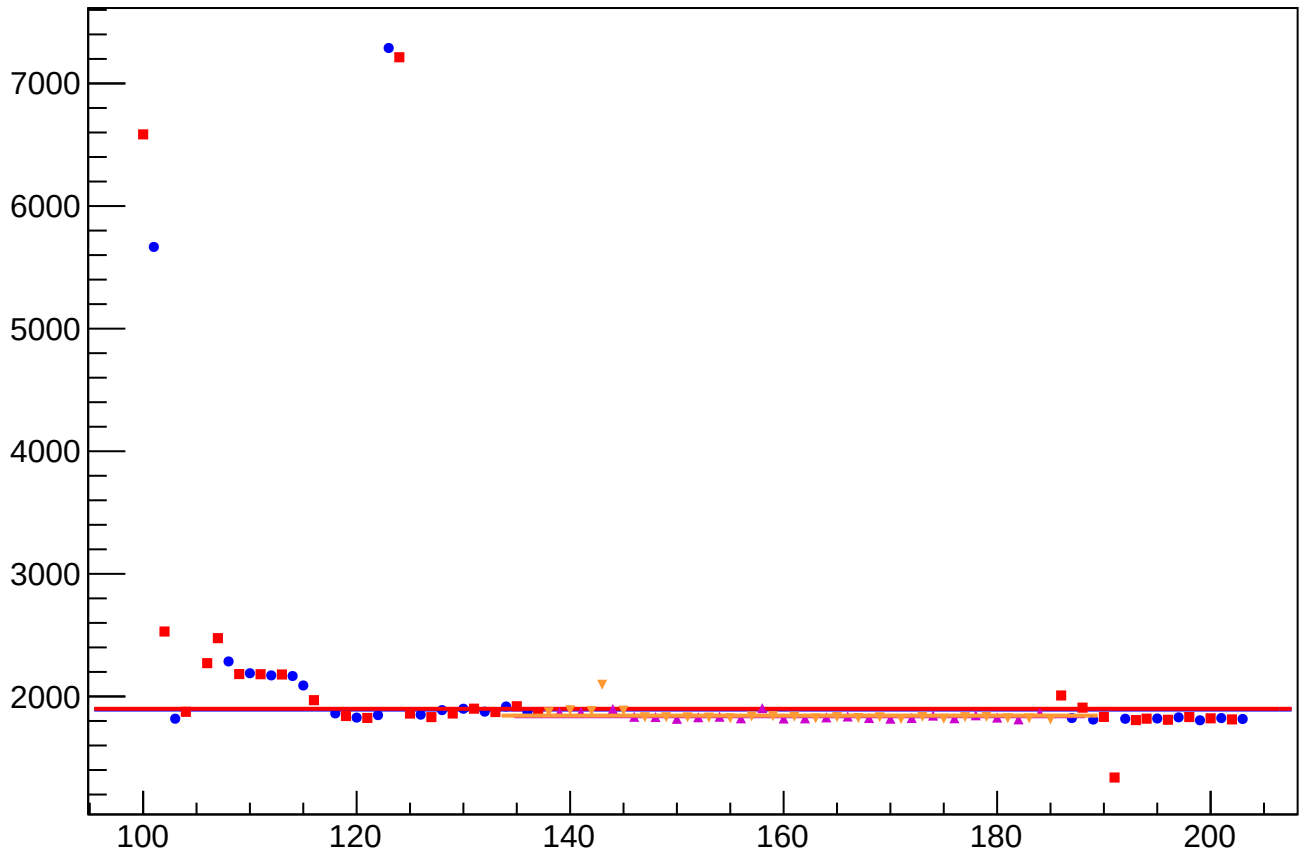
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -603.972 ± 339.237 χ^2/NDF : 47.6/49

All: -26.898 ± 239.507 χ^2/NDF : 113.7/101

- sign 546.637 ± 338.195 χ^2/NDF : 60.4/51

reg_asym_at1_dd_rms vs Slug



Right In: 1893.178+/-0.390 χ^2/NDF : 640061.5/24

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1899.339+/-0.372 χ^2/NDF : 473558.9/28

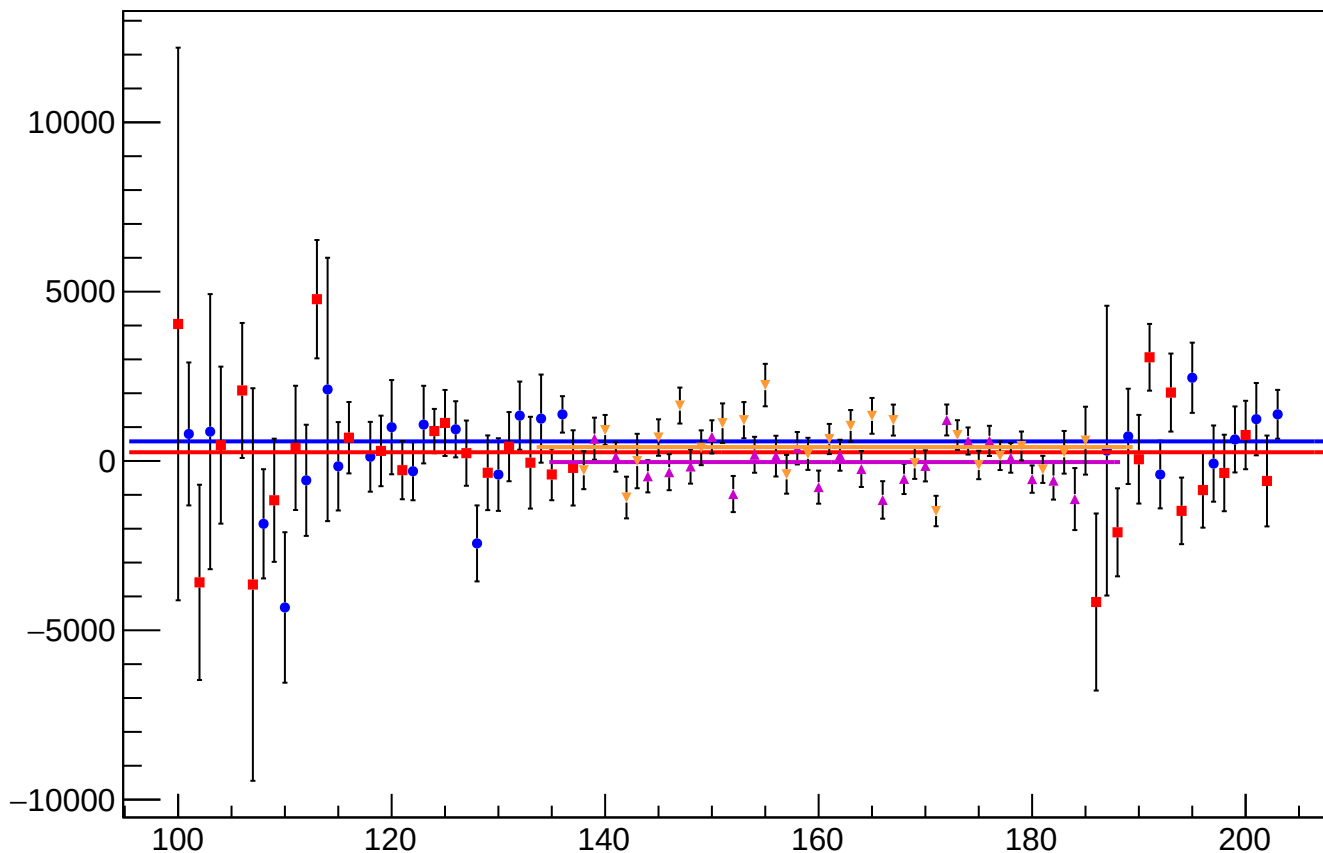
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1862.456+/-0.240 χ^2/NDF : 676918.0/49

All: 1863.062+/-0.169 χ^2/NDF : 1172453.2/100

- sign 1863.664+/-0.239 χ^2/NDF : 495522.5/51

asym_at1_dd_correction_mean vs Slug



Right In: 578.797 ± 219.508 χ^2/NDF : 27.1/24

Left Out: 411.072 ± 100.456 χ^2/NDF : 61.2/24

Right Out: 257.788 ± 216.631 χ^2/NDF : 35.8/28

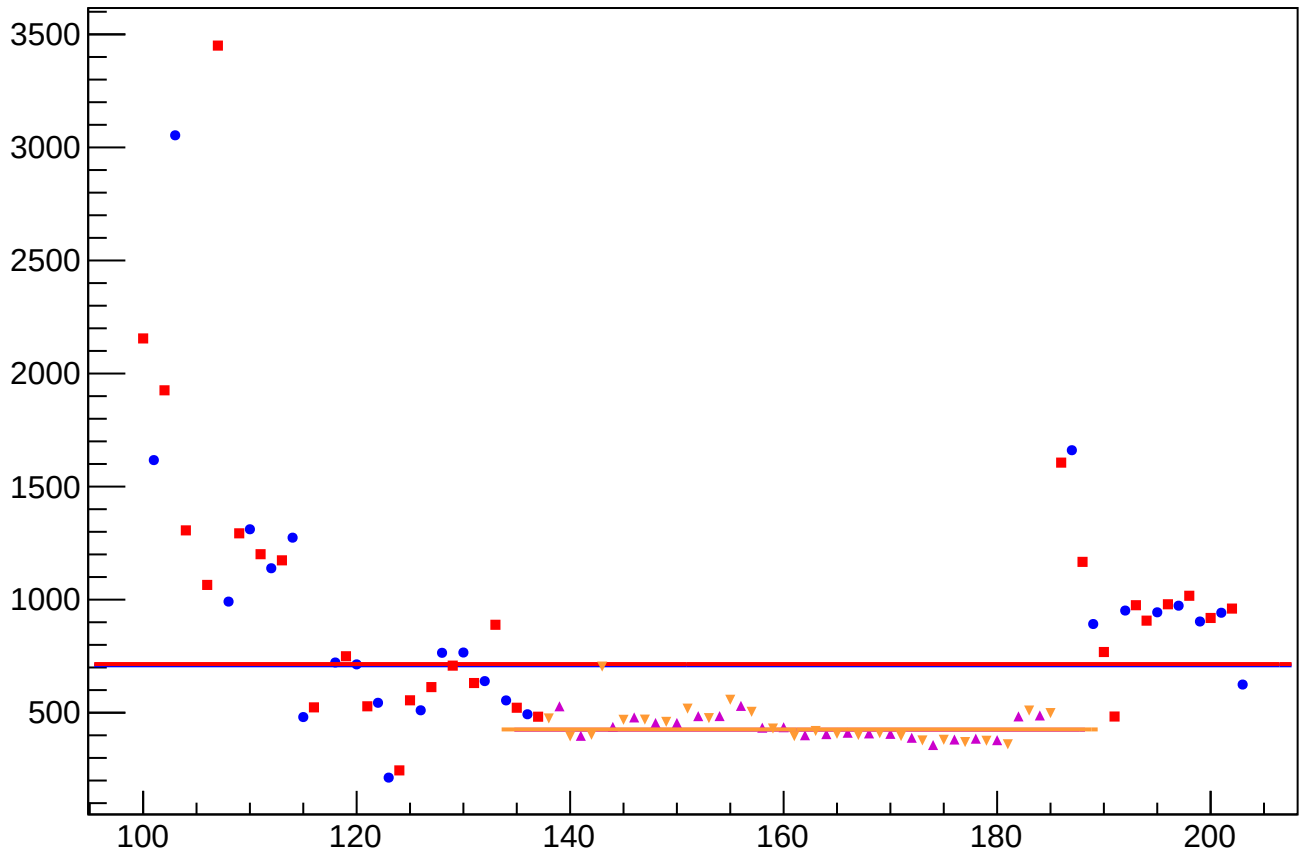
Left In: -32.456 ± 102.403 χ^2/NDF : 32.7/22

+ sign 440.117 ± 91.345 χ^2/NDF : 88.8/49

All: 233.154 ± 65.023 χ^2/NDF : 169.2/101

- sign 20.554 ± 92.581 χ^2/NDF : 70.0/51

asym_at1_dd_correction_rms vs Slug



Right In: 709.648 $\pm$ 0.155 χ^2 /NDF: 3085602.9/24

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 715.212 $\pm$ 0.153 χ^2 /NDF: 4241334.9/28

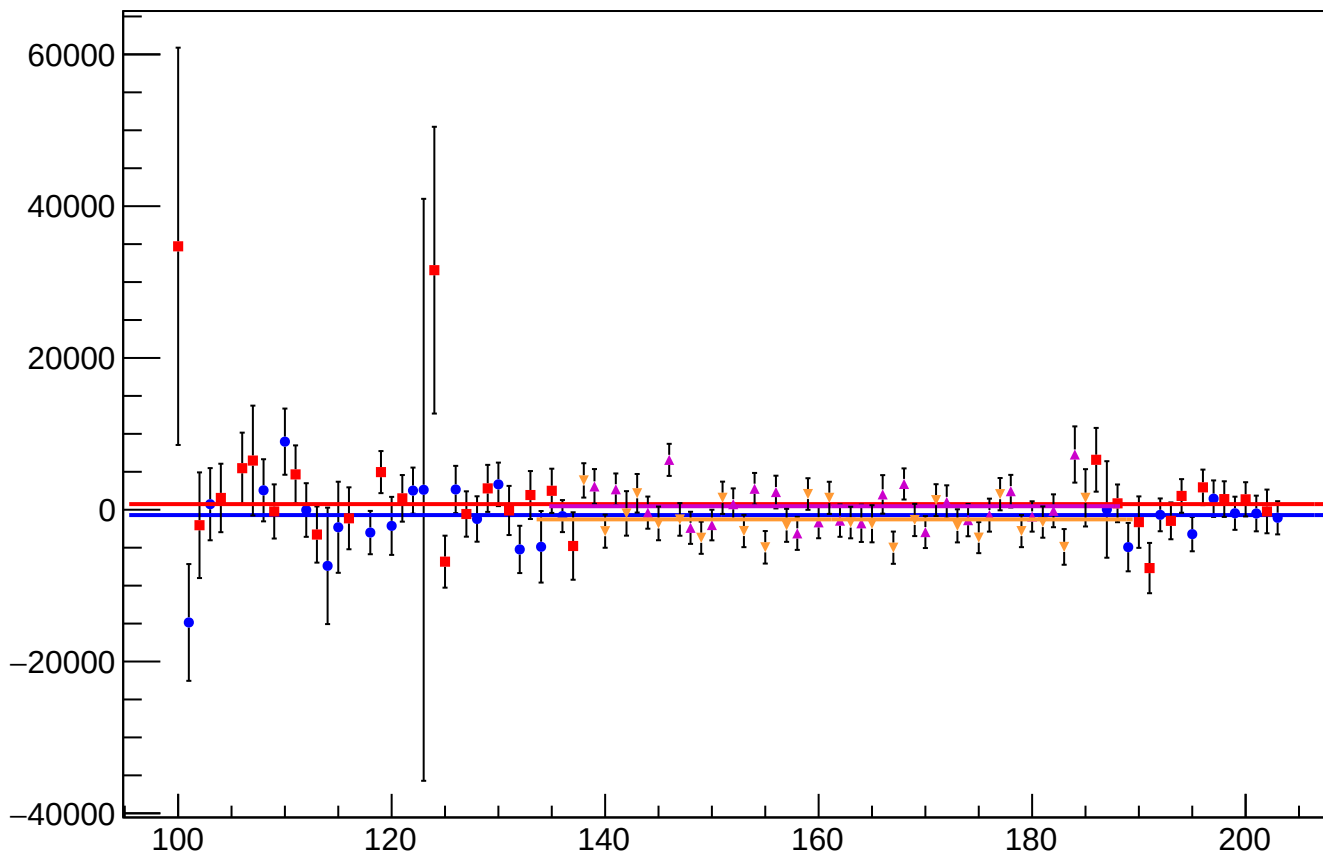
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 475.142 $\pm$ 0.065 χ^2 /NDF: 6579394.9/49

All: 476.408 $\pm$ 0.046 χ^2 /NDF: 14154243.0/10

- sign 477.709 $\pm$ 0.065 χ^2 /NDF: 7574068.6/51

asym_at1_dd_mean vs Slug



Right In: -702.947 ± 618.587 χ^2/NDF : 21.8/24

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 741.855 ± 600.655 χ^2/NDF : 29.8/28

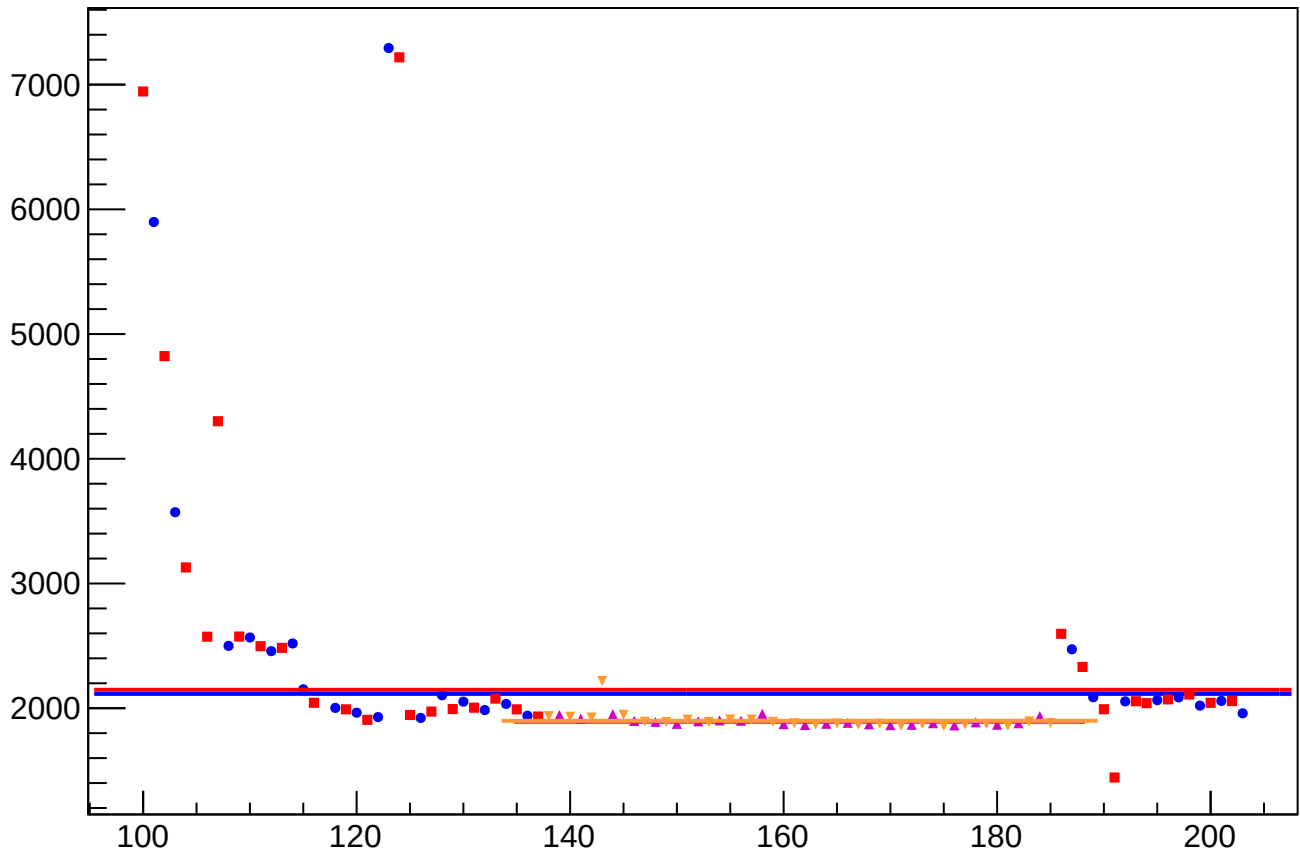
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1076.244 ± 360.284 χ^2/NDF : 53.1/49

All: -260.312 ± 255.418 χ^2/NDF : 126.0/101

- sign 564.117 ± 362.155 χ^2/NDF : 62.5/51

asym_at1_dd_rms vs Slug



Right In: 2115.148 $\pm$ 0.437 χ^2 /NDF: 836036.8/24

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2147.637 $\pm$ 0.425 χ^2 /NDF: 1055543.2/28

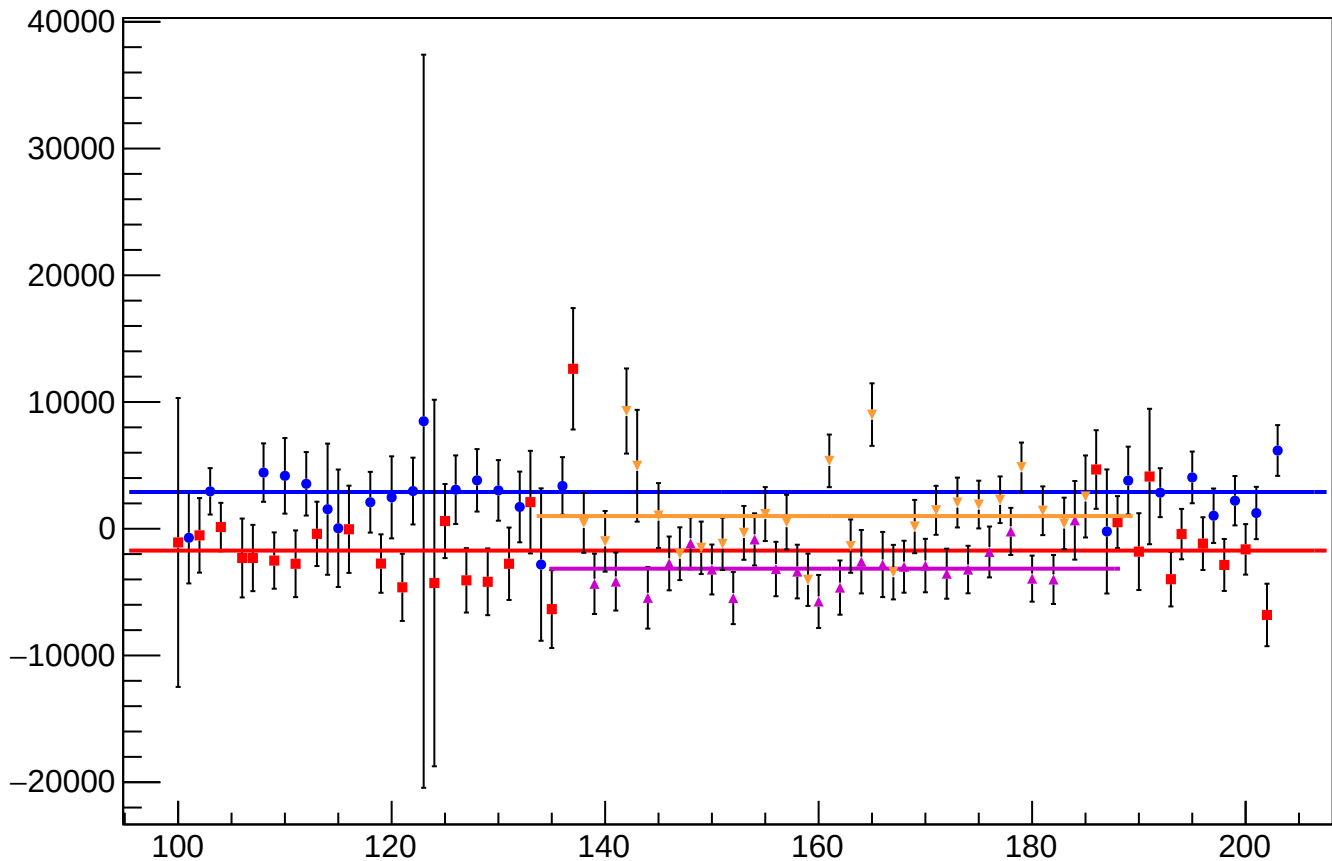
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1972.297 $\pm$ 0.255 χ^2 /NDF: 1036130.4/49

All: 1978.484 $\pm$ 0.181 χ^2 /NDF: 2331407.3/10

- sign 1984.736 $\pm$ 0.256 χ^2 /NDF: 1294091.2/51

reg_asym_at2_avg_mean vs Slug



Right In: 2900.203 $\pm$ 512.117 χ^2 /NDF: 8.6/24

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF: 44.6/24

Right Out: -1723.066 $\pm$ 490.468 χ^2 /NDF: 30.8/28

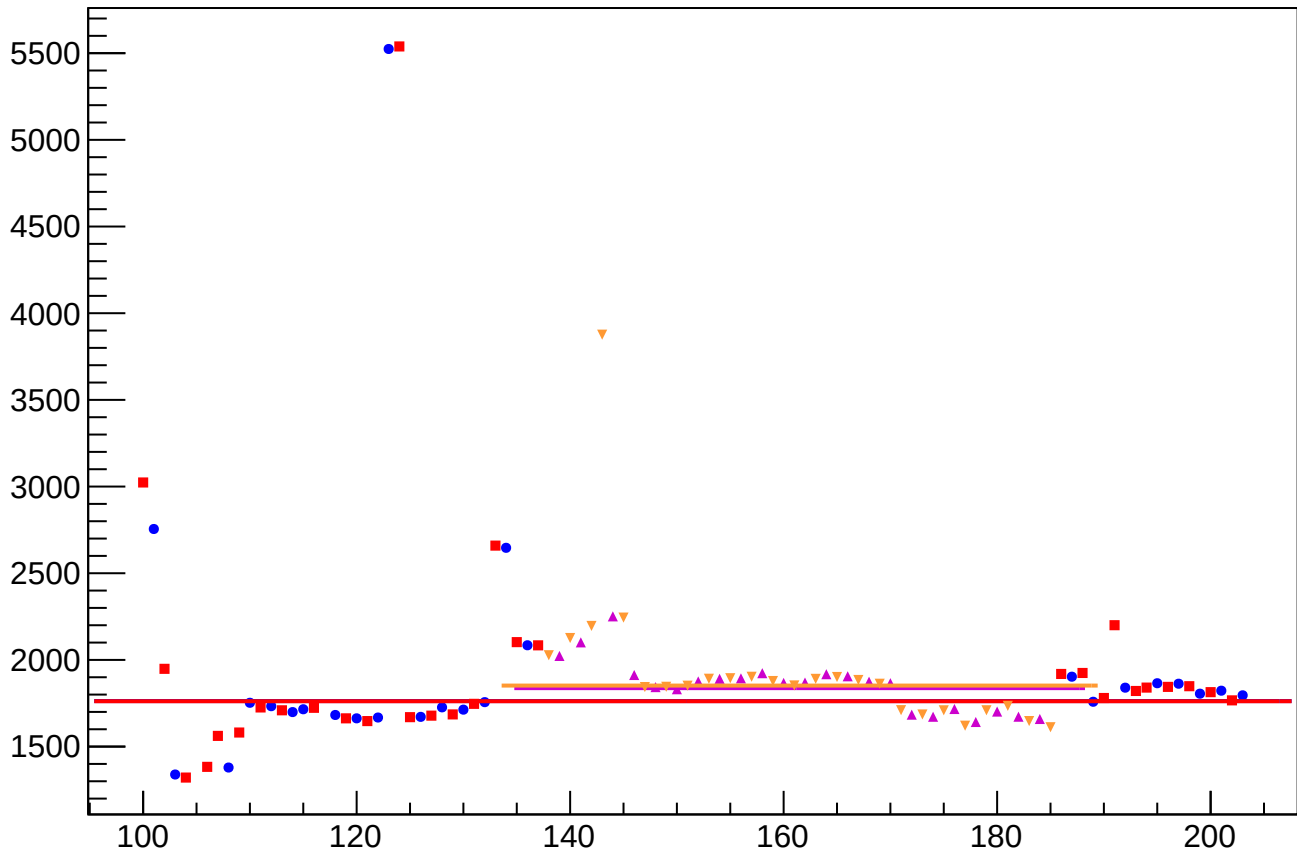
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF: 11.8/22

+ sign 1797.659 $\pm$ 331.648 χ^2 /NDF: 61.2/49

All: -381.112 $\pm$ 233.208 χ^2 /NDF: 194.0/101

- sign -2512.111 $\pm$ 327.992 χ^2 /NDF: 47.4/51

reg_asym_at2_avg_rms vs Slug



Right In: 1762.621+/-0.362 χ^2/NDF : 460163.6/24

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1761.672+/-0.347 χ^2/NDF : 520526.8/28

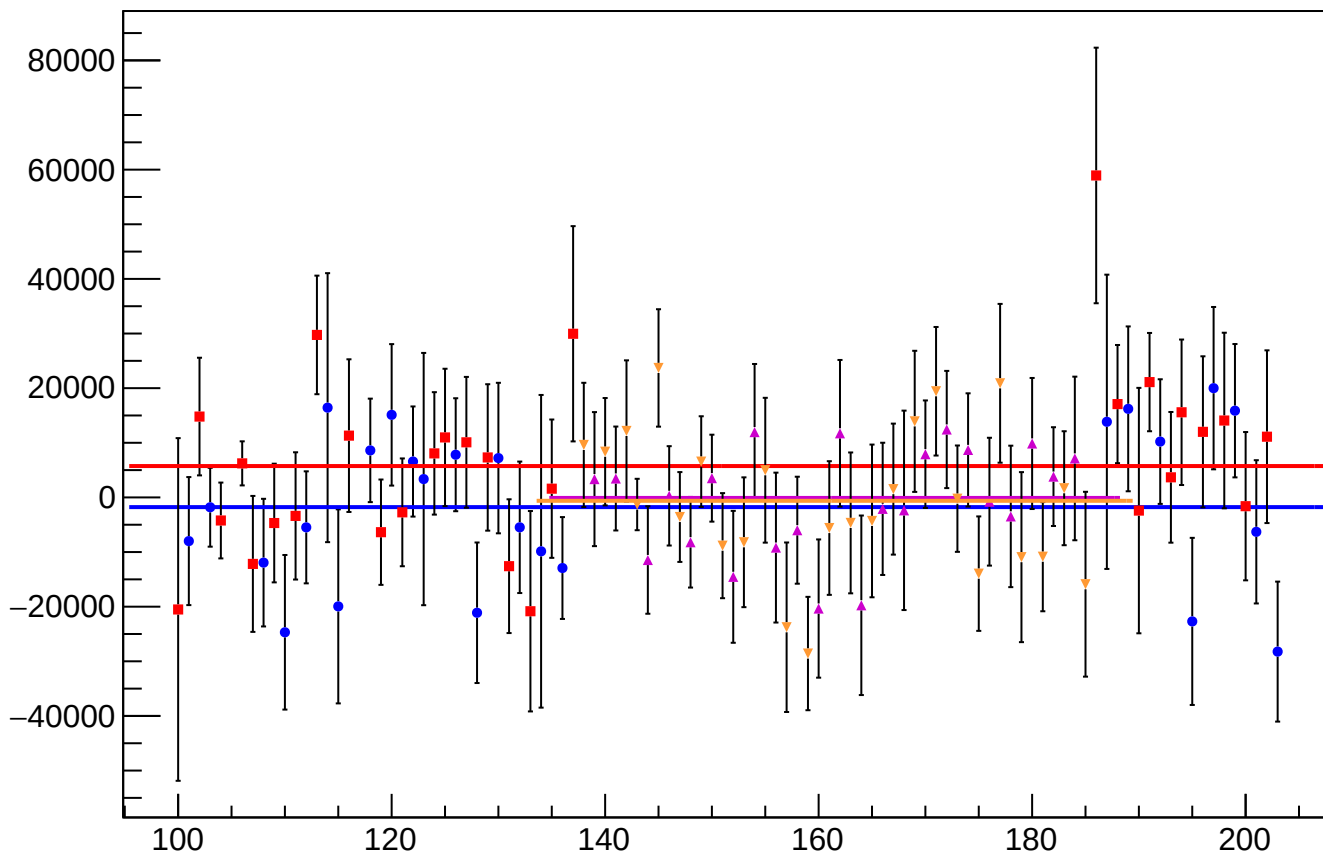
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1814.491+/-0.235 χ^2/NDF : 1144456.6/49

All: 1808.882+/-0.165 χ^2/NDF : 1892811.9/10

- sign 1803.396+/-0.232 χ^2/NDF : 747223.7/51

asym_at2_avg_correction_mean vs Slug



Right In: -1774.140 ± 2475.742 χ^2/NDF : 27.5/24

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

Right Out: 5741.984 ± 2000.122 χ^2/NDF : 31.6/28

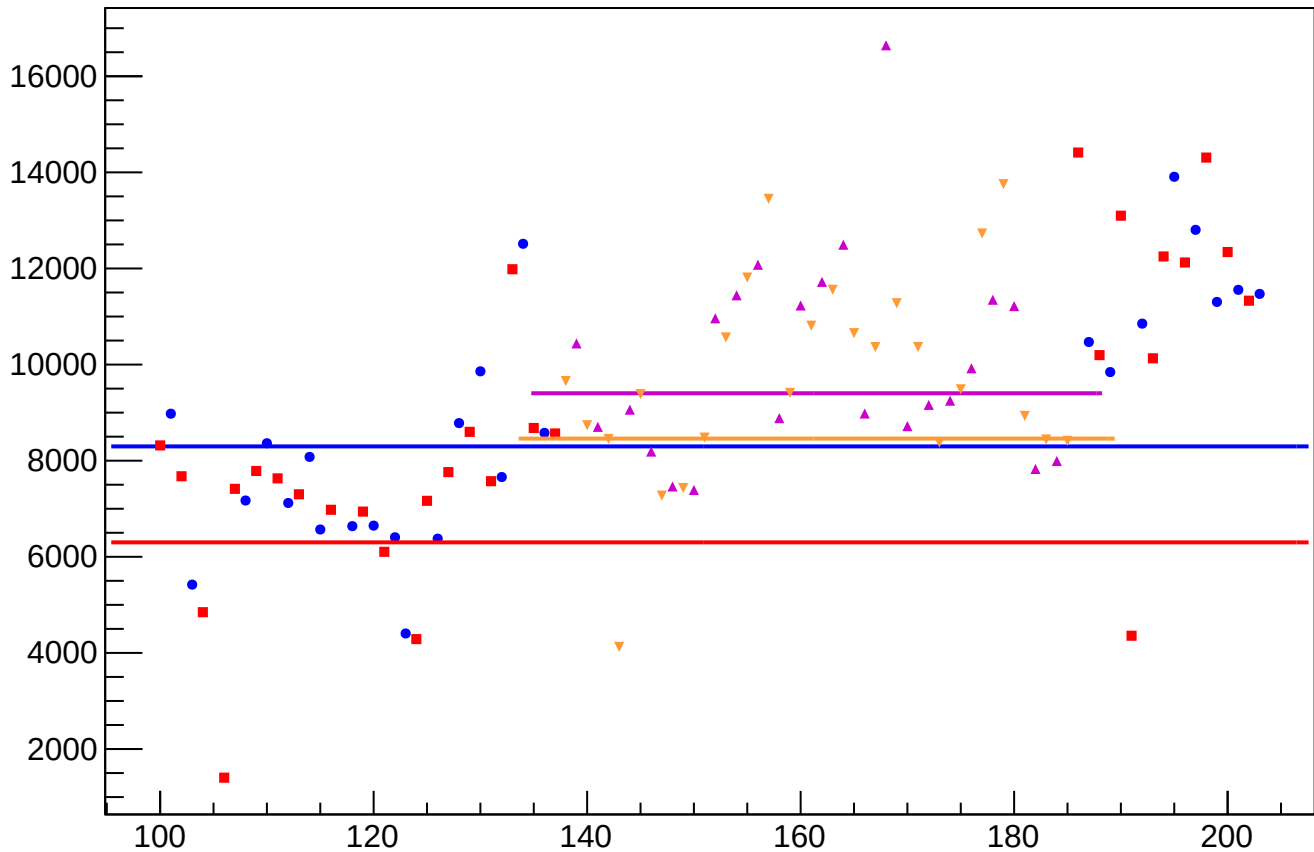
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -1094.414 ± 1587.903 χ^2/NDF : 57.8/49

All: 1175.604 ± 1093.289 χ^2/NDF : 111.5/101

- sign 3221.599 ± 1507.515 χ^2/NDF : 49.9/51

asym_at2_avg_correction_rms vs Slug



Right In: 8297.487 $\pm$ 1.751 χ^2 /NDF: 1712929.6/24

Left Out: 8459.960 $\pm$ 1.463 χ^2 /NDF: 3087200.5/24

+ sign 8393.123 $\pm$ 1.123 χ^2 /NDF: 4805200.2/49

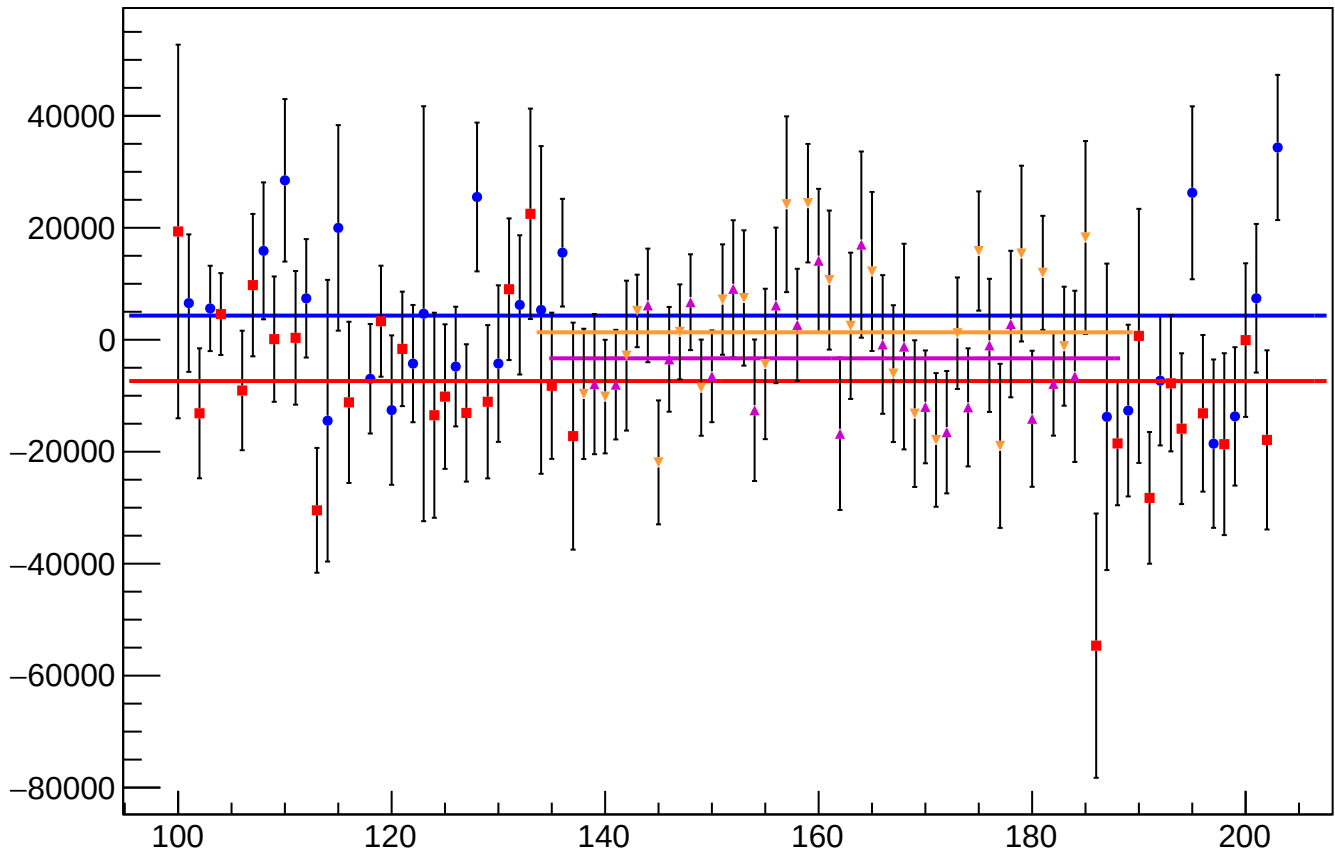
Right Out: 6300.625 $\pm$ 1.414 χ^2 /NDF: 6490926.2/28

All: 7997.441 $\pm$ 0.773 χ^2 /NDF: 14753833.6/1

Left In: 9403.481 $\pm$ 1.622 χ^2 /NDF: 1142646.9/22

- sign 7640.808 $\pm$ 1.066 χ^2 /NDF: 9712516.0/51

asym_at2_avg_mean vs Slug



Right In: 4316.677 ± 2560.984 χ^2/NDF : 28.3/24

Left Out: 1332.828 ± 2213.733 χ^2/NDF : 28.0/24

Right Out: -7375.057 ± 2373.739 χ^2/NDF : 27.1/28

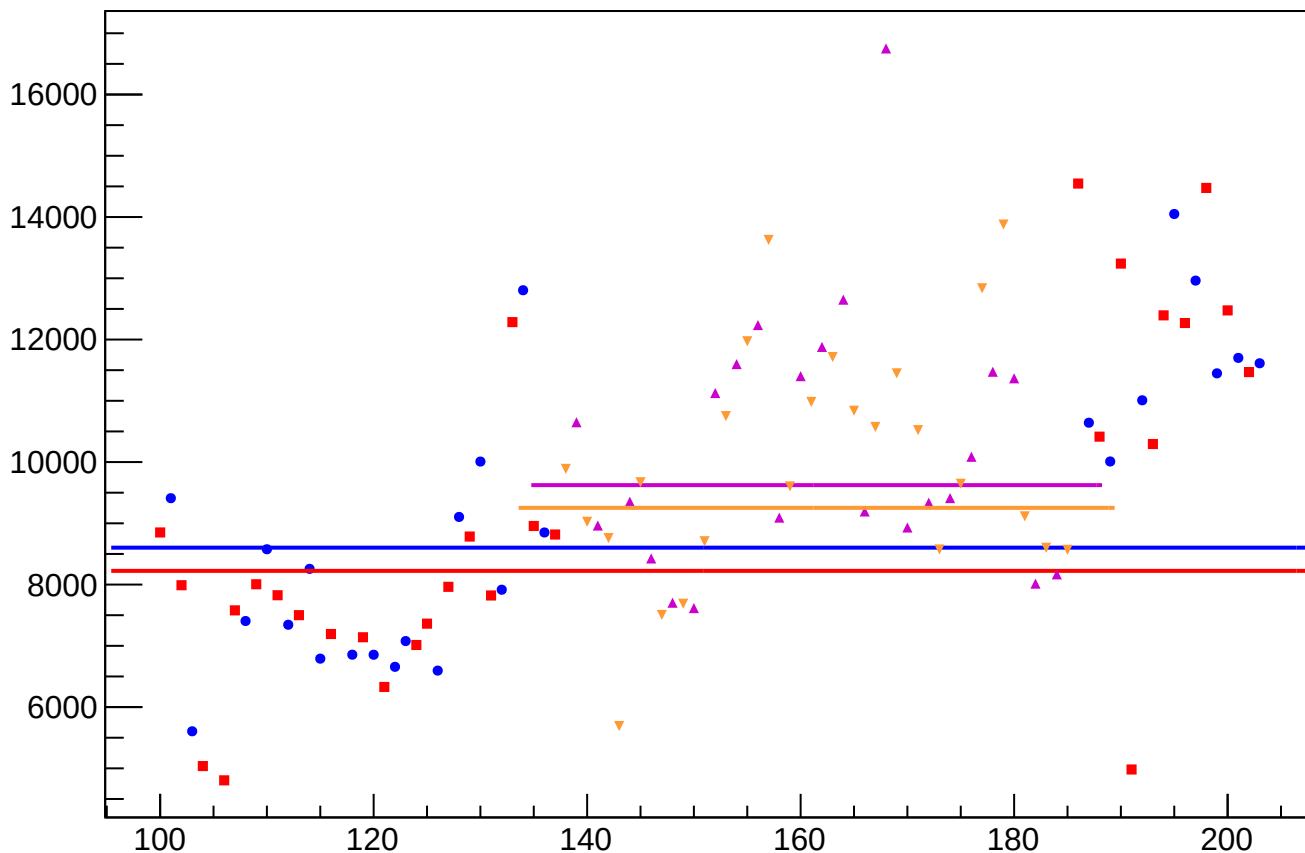
Left In: -3316.909 ± 2344.543 χ^2/NDF : 13.7/22

+ sign 2608.888 ± 1674.765 χ^2/NDF : 57.1/49

All: -1371.878 ± 1181.863 χ^2/NDF : 110.6/10

- sign -5320.873 ± 1668.069 χ^2/NDF : 42.3/51

asym_at2_avg_rms vs Slug



Right In: 8602.783 $\pm$ 1.811 χ^2 /NDF: 1551934.8/24

Left Out: 9252.712 $\pm$ 1.565 χ^2 /NDF:1597668.9/24

Right Out: 8223.932 $\pm$ 1.678 χ^2 /NDF: 2291769.2/28

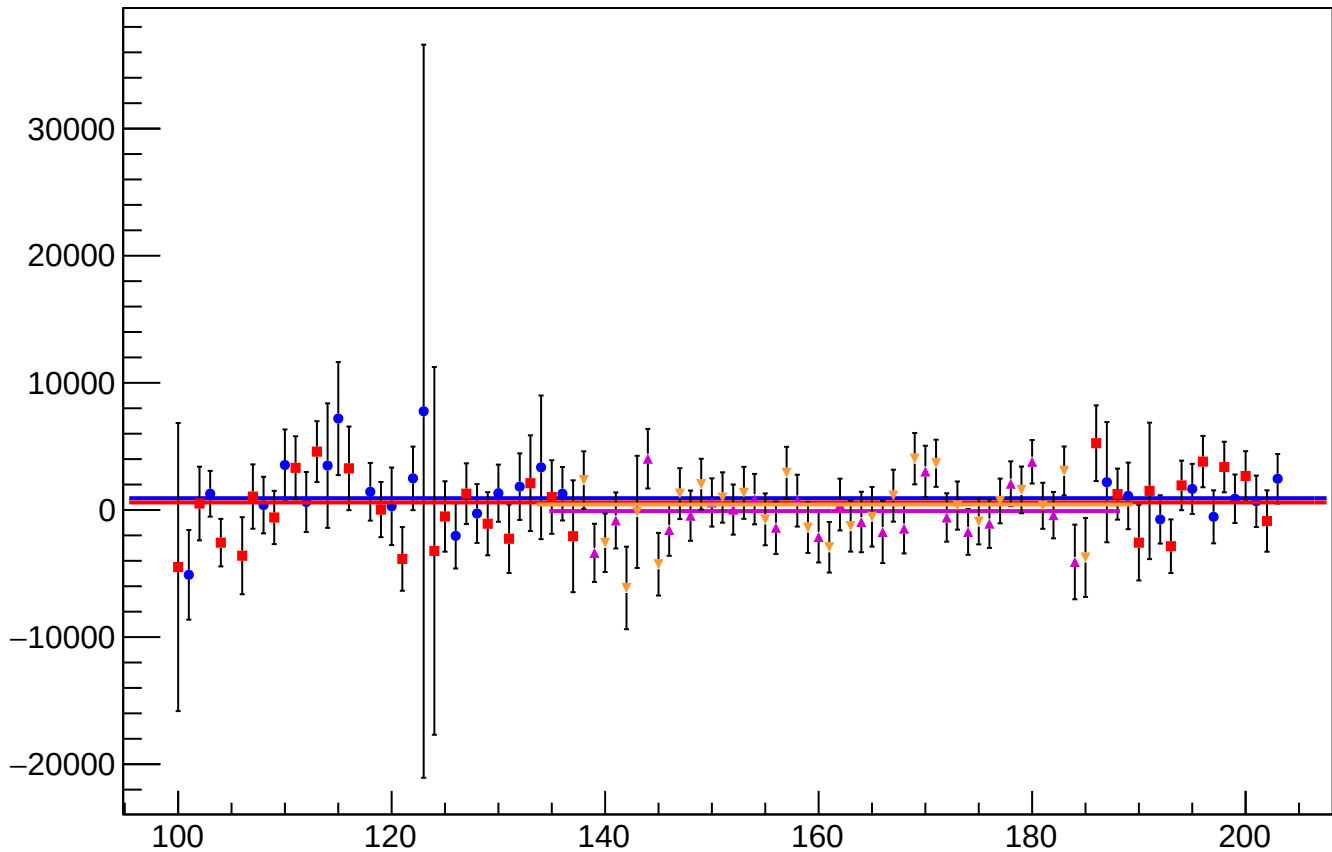
Left In: 9623.485 $\pm$ 1.658 χ^2 /NDF:1069924.0/22

+ sign 8974.760 $\pm$ 1.184 χ^2 /NDF: 3223328.7/49

All: 8953.445 $\pm$ 0.836 χ^2 /NDF: 6937629.7/10

- sign 8932.302 $\pm$ 1.179 χ^2 /NDF: 3713655.7/51

reg_asym_at2_dd_mean vs Slug



Right In: 925.497 ± 492.088 χ^2/NDF : 10.8/24

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 591.208 ± 472.093 χ^2/NDF : 28.5/28

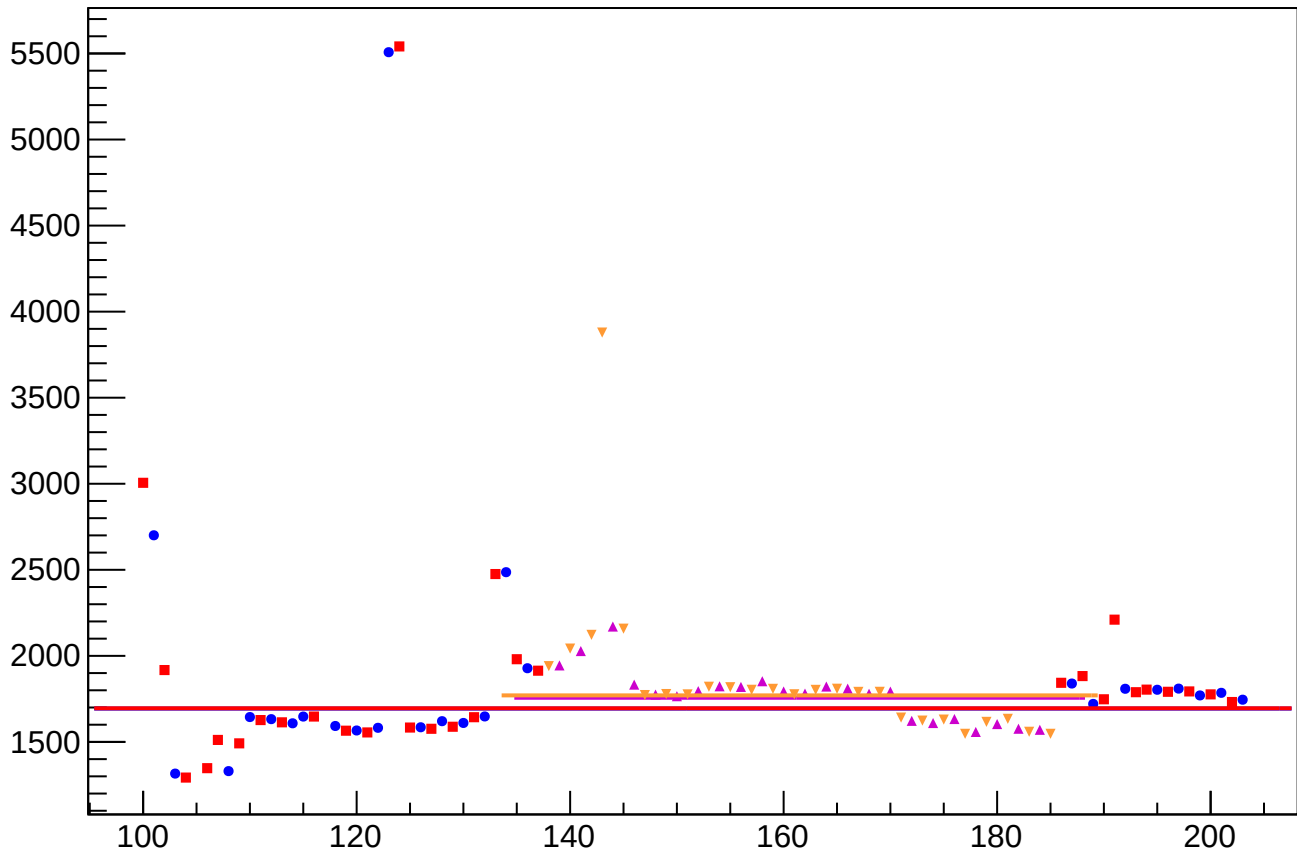
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 636.416 ± 317.859 χ^2/NDF : 40.1/49

All: 422.747 ± 223.601 χ^2/NDF : 91.6/101

- sign 213.428 ± 314.606 χ^2/NDF : 50.6/51

reg_asym_at2_dd_rms vs Slug



Right In: 1693.663 ± 0.348 $\chi^2/\text{NDF}: 457159.7/24$

Left Out: 1770.384 ± 0.294 $\chi^2/\text{NDF}: 699536.9/24$

Right Out: 1695.346 ± 0.334 $\chi^2/\text{NDF}: 533551.0/28$

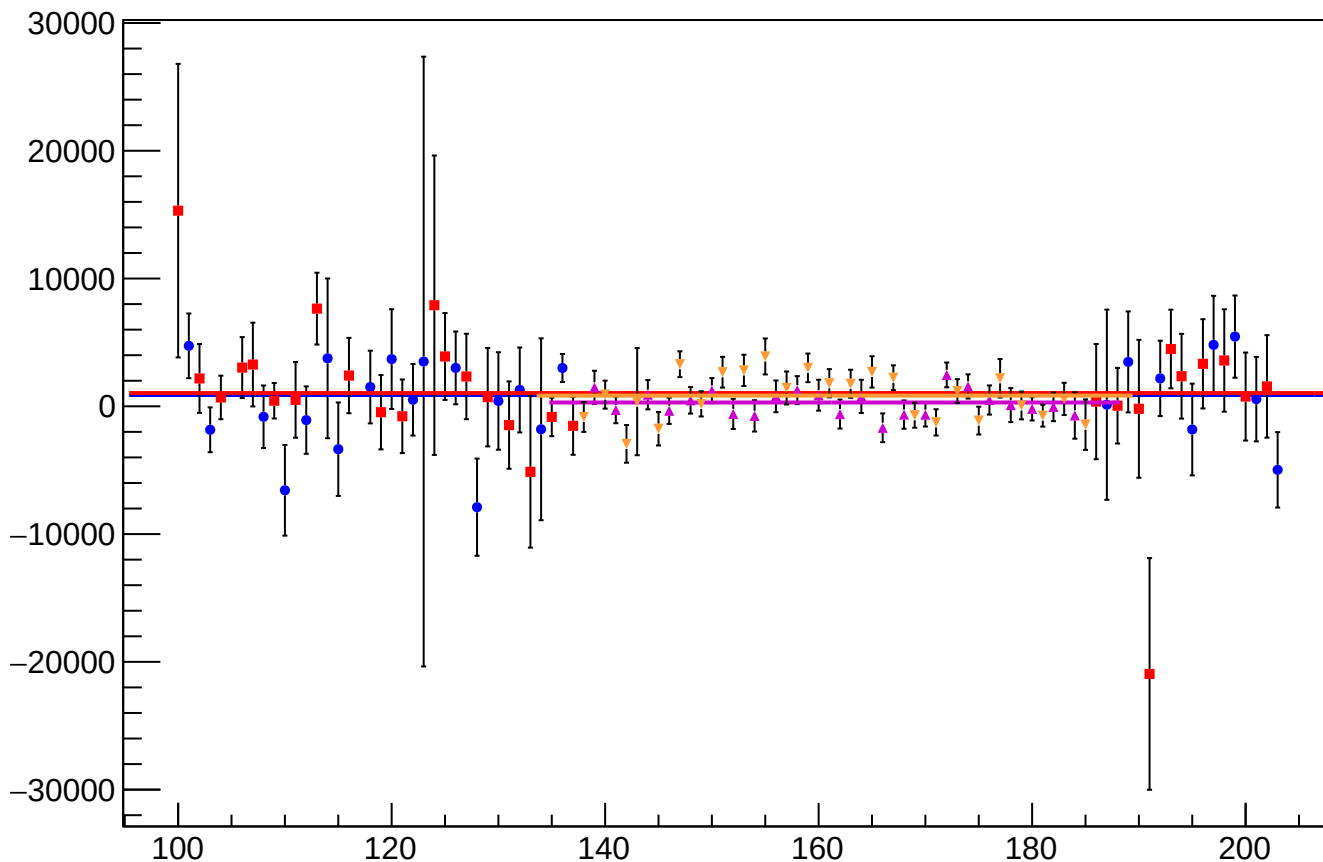
Left In: 1756.623 ± 0.298 $\chi^2/\text{NDF}: 223077.6/22$

+ sign 1738.373 ± 0.225 $\chi^2/\text{NDF}: 1185027.8/49$

All: 1733.845 ± 0.158 $\chi^2/\text{NDF}: 1961191.3/10$

- sign 1729.410 ± 0.222 $\chi^2/\text{NDF}: 775360.2/51$

asym_at2_dd_correction_mean vs Slug



Right In: 885.195 $\pm$ 564.090 χ^2 /NDF: 30.3/24

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF:54.4/24

Right Out: 1036.956 $\pm$ 529.616 χ^2 /NDF: 23.5/28

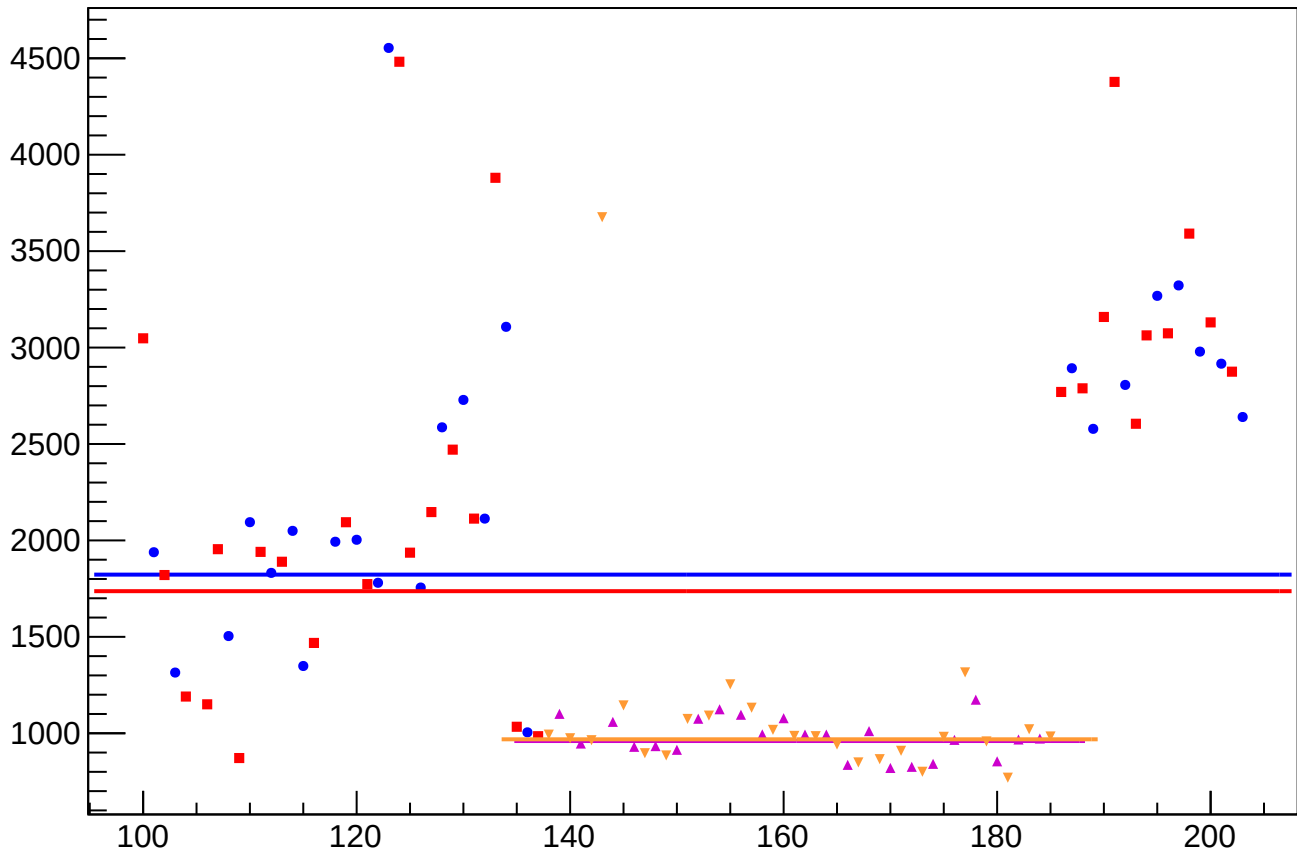
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF:18.3/22

+ sign 845.902 $\pm$ 213.346 χ^2 /NDF: 84.7/49

All: 630.201 $\pm$ 150.396 χ^2 /NDF: 130.3/101

- sign 417.126 $\pm$ 212.044 χ^2 /NDF: 43.5/51

asym_at2_dd_correction_rms vs Slug



Right In: 1822.648 $\pm$ 0.399 χ^2 /NDF: 3282492.1/24

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

Right Out: 1736.831 $\pm$ 0.374 χ^2 /NDF: 4714016.2/28

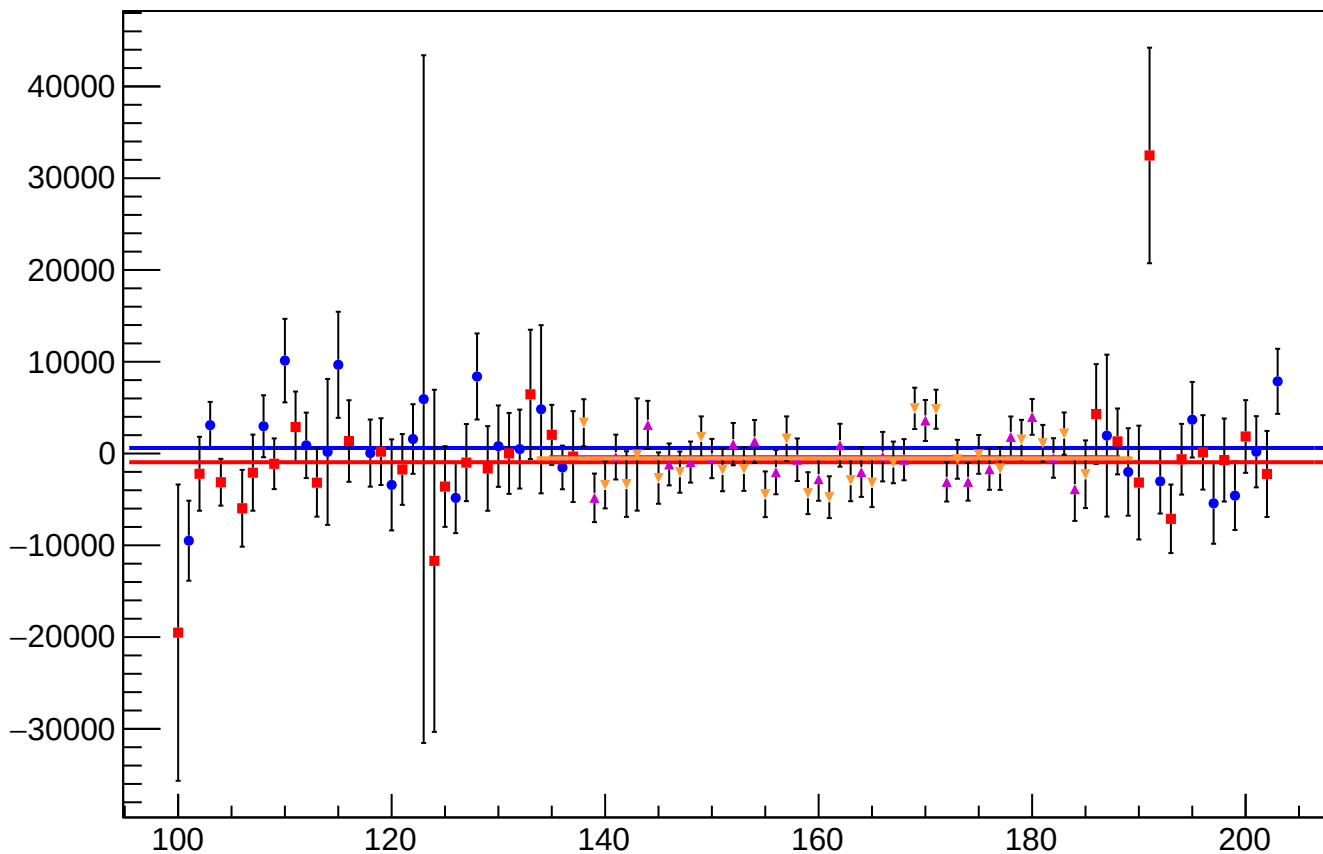
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1090.863 $\pm$ 0.151 χ^2 /NDF: 8603918.8/49

All: 1087.592 $\pm$ 0.106 χ^2 /NDF: 17305042.8/100

- sign 1084.360 $\pm$ 0.150 χ^2 /NDF: 8700189.4/51

asym_at2_dd_mean vs Slug



Right In: 605.909 ± 809.130 χ^2/NDF : 30.2/24

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -945.572 ± 774.784 χ^2/NDF : 21.1/28

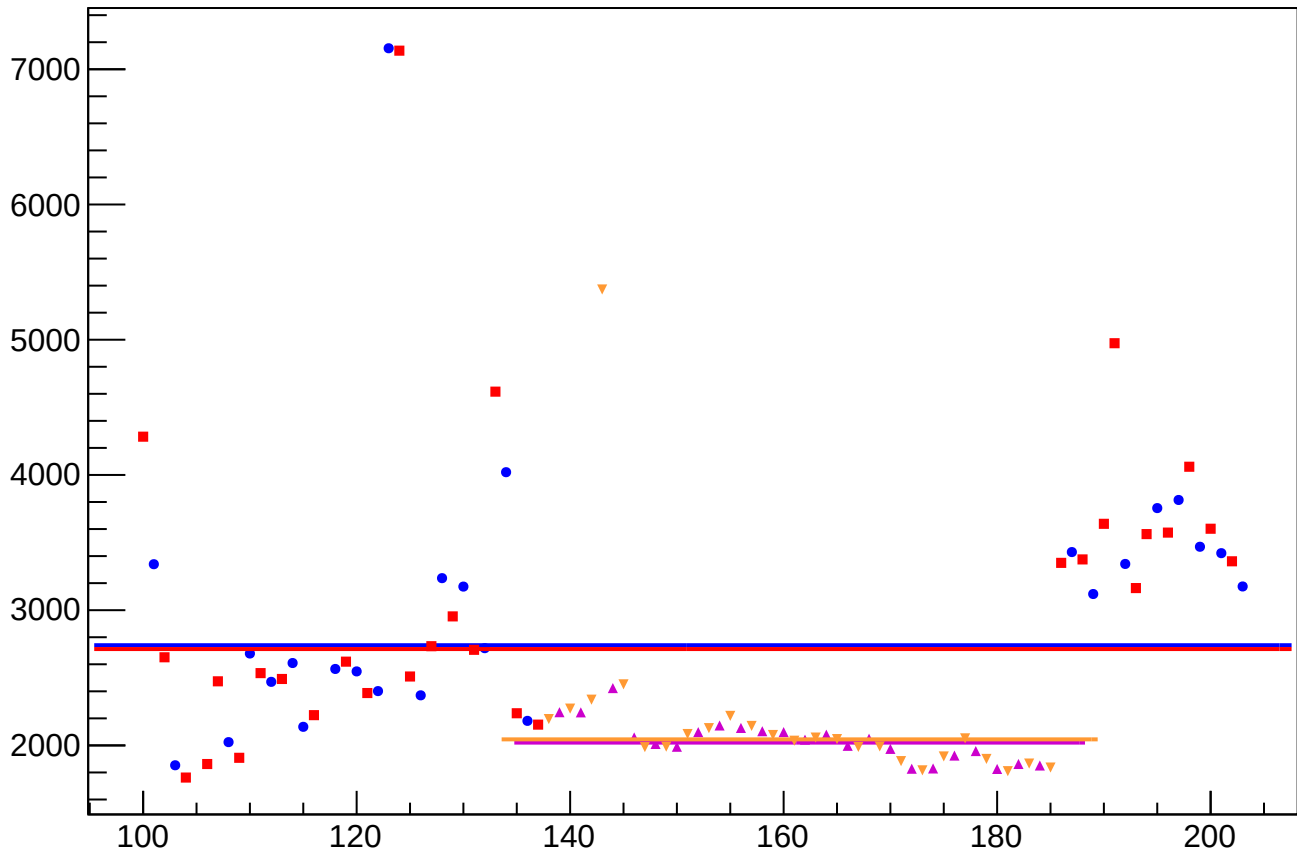
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -223.886 ± 413.769 χ^2/NDF : 65.7/49

All: -388.867 ± 291.640 χ^2/NDF : 109.2/101

- sign -551.749 ± 411.127 χ^2/NDF : 43.3/51

asym_at2_dd_rms vs Slug



Right In: 2740.983+/-0.572 χ^2/NDF : 1160012.2/24

Left Out: 2044.722+/-0.340 χ^2/NDF : 788703.5/24

Right Out: 2712.587+/-0.548 χ^2/NDF : 1691419.0/28

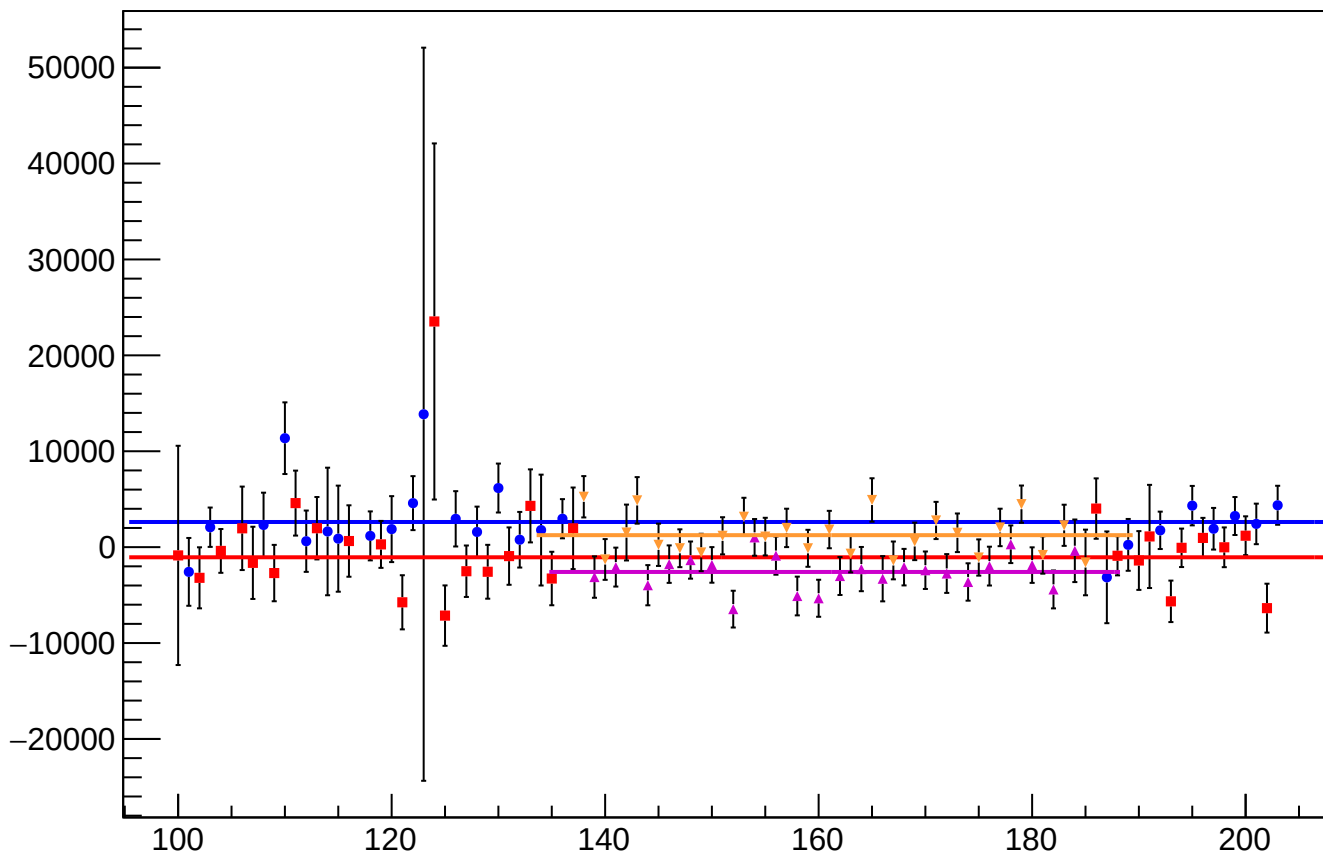
Left In: 2020.802+/-0.343 χ^2/NDF : 173502.0/22

+ sign 2226.798+/-0.293 χ^2/NDF : 3042386.0/49

All: 2221.158+/-0.206 χ^2/NDF : 6053549.4/100

- sign 2215.590+/-0.291 χ^2/NDF : 3010425.0/51

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2623.392 $\pm$ 541.196 χ^2 /NDF: 15.8/24

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF: 23.0/24

Right Out: -1056.834 $\pm$ 525.524 χ^2 /NDF: 31.8/28

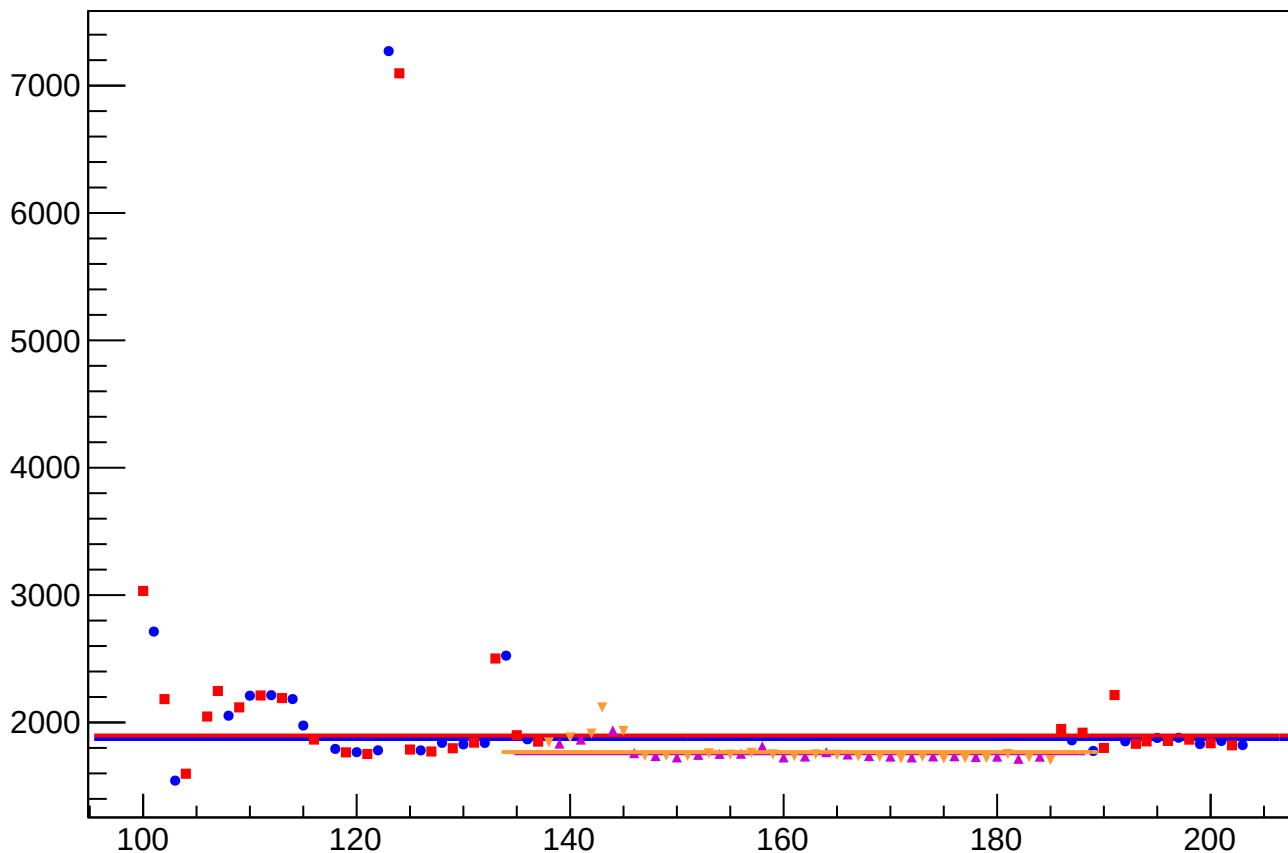
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF: 17.5/22

+ sign 1754.604 $\pm$ 328.062 χ^2 /NDF: 42.9/49

All: -112.396 $\pm$ 232.239 χ^2 /NDF: 162.2/101

- sign -1987.935 $\pm$ 328.811 χ^2 /NDF: 54.4/51

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1870.395+/-0.383 χ^2/NDF : 294198.1/24

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1897.521+/-0.371 χ^2/NDF : 381445.0/28

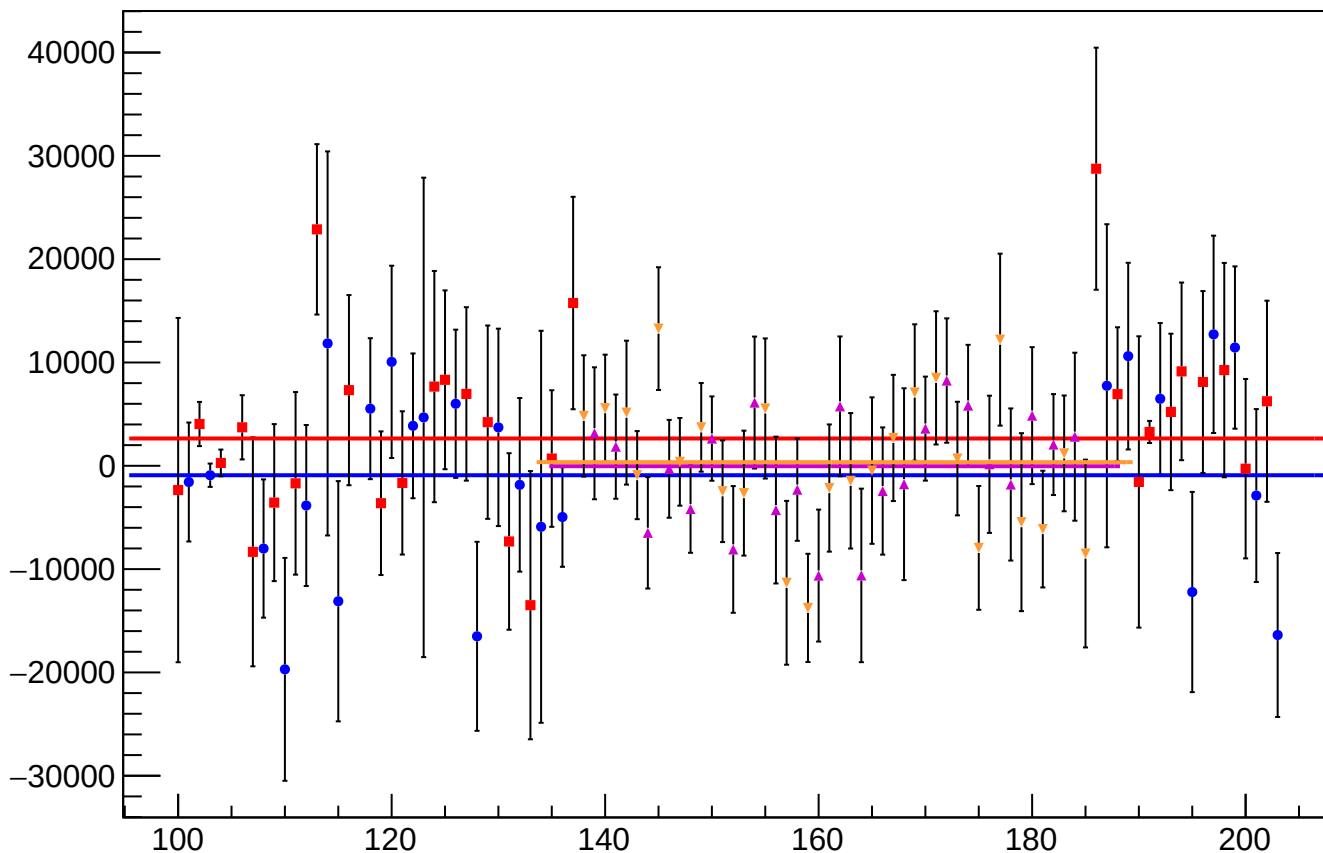
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1805.320+/-0.232 χ^2/NDF : 417588.0/49

All: 1809.012+/-0.164 χ^2/NDF : 915119.1/101

- sign 1812.719+/-0.232 χ^2/NDF : 497023.4/51

asym_atl1r2_avg_correction_mean vs Slug



Right In: -913.083 ± 939.449 χ^2/NDF : 26.2/24

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2643.995 ± 687.881 χ^2/NDF : 26.5/28

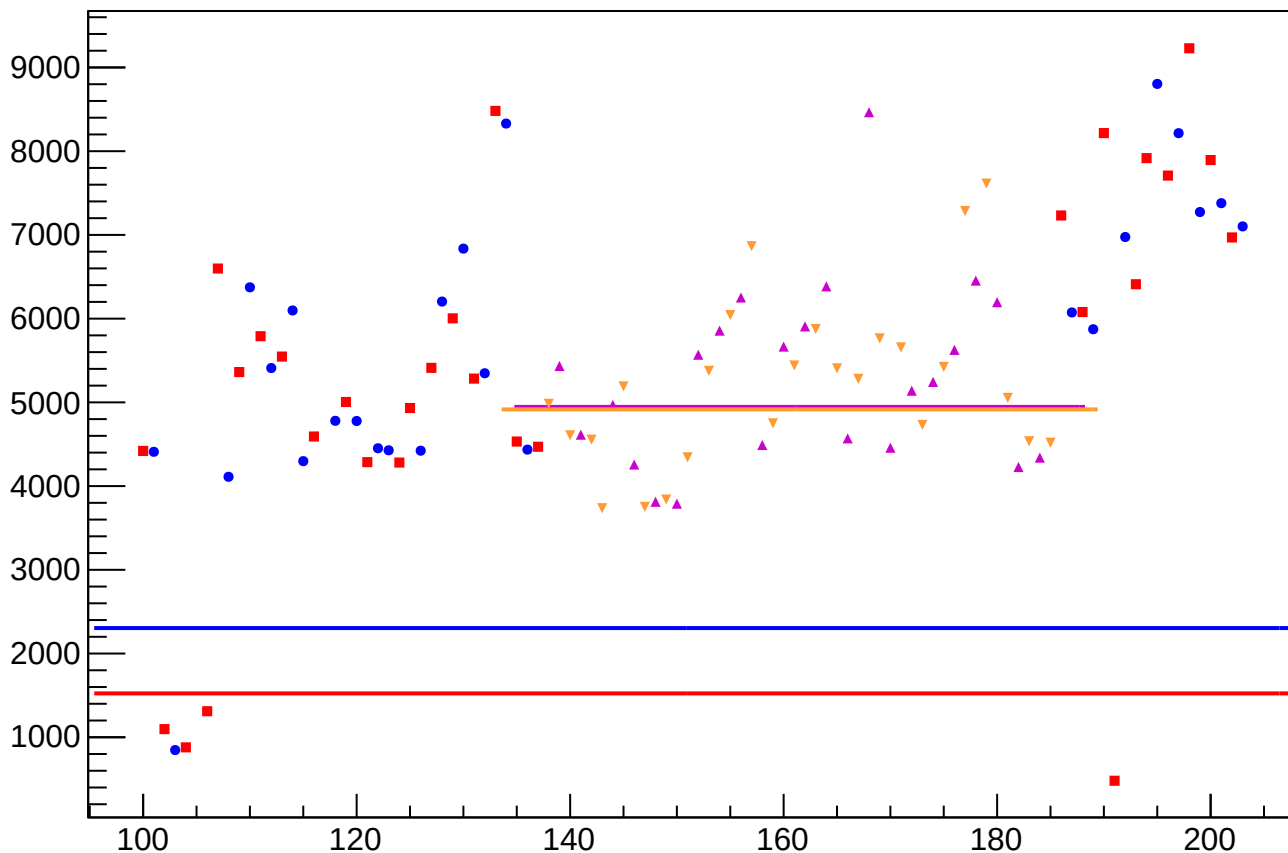
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -417.506 ± 732.544 χ^2/NDF : 54.8/49

All: 1025.543 ± 463.106 χ^2/NDF : 107.4/101

- sign 1986.220 ± 597.698 χ^2/NDF : 46.2/51

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2304.332 $\pm$ 0.664 χ^2 /NDF: 12113505.1/24

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1523.898 $\pm$ 0.486 χ^2 /NDF: 15967200.7/28

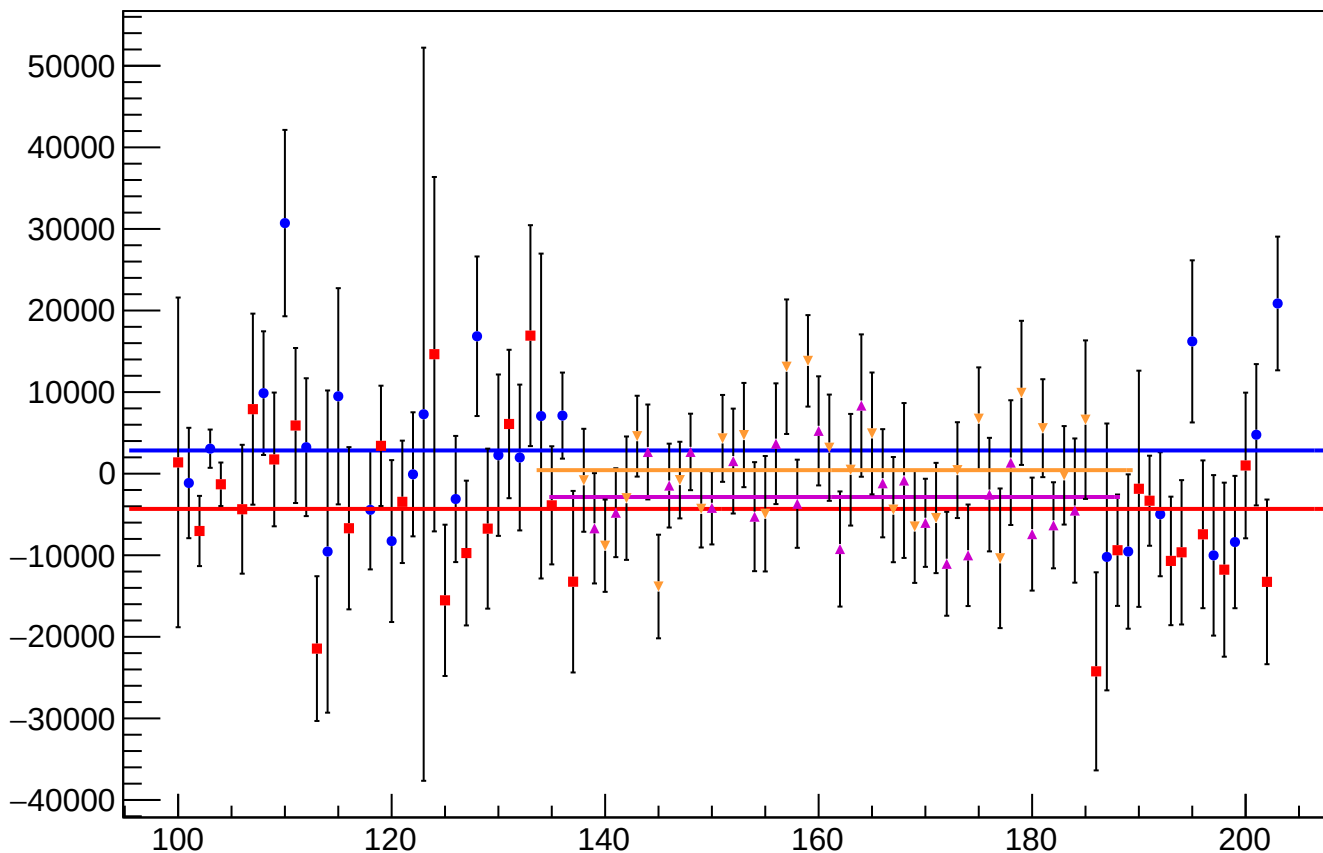
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3327.987 $\pm$ 0.518 χ^2 /NDF: 19358035.0/49

All: 2748.263 $\pm$ 0.327 χ^2 /NDF: 50726565.6/100

- sign 2362.326 $\pm$ 0.423 χ^2 /NDF: 29282081.4/51

asym_atl1r2_avg_mean vs Slug



Right In: 2845.058+/-1440.040 χ^2/NDF : 27.3/24

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -4319.908+/-1380.403 χ^2/NDF : 22.6/28

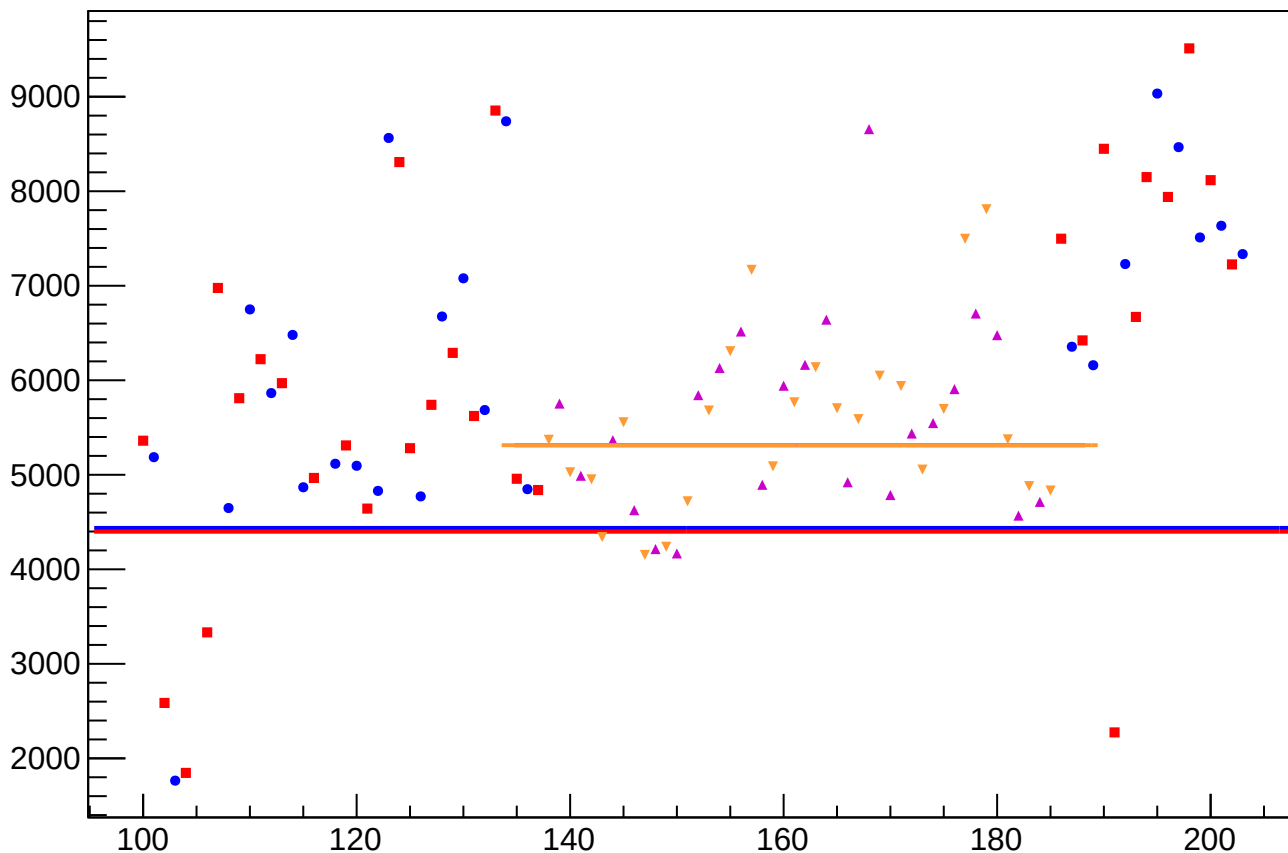
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 1476.065+/-947.521 χ^2/NDF : 56.0/49

All: -1043.881+/-668.542 χ^2/NDF : 106.2/101

- sign -3542.032+/-943.415 χ^2/NDF : 36.0/51

asym_atl1r2_avg_rms vs Slug



Right In: 4437.663+/-1.018 χ^2/NDF : 5168358.4/24

Left Out: 5313.008+/-0.890 χ^2/NDF :894369.8/24

Right Out: 4398.012+/-0.971 χ^2/NDF : 5594666.0/28

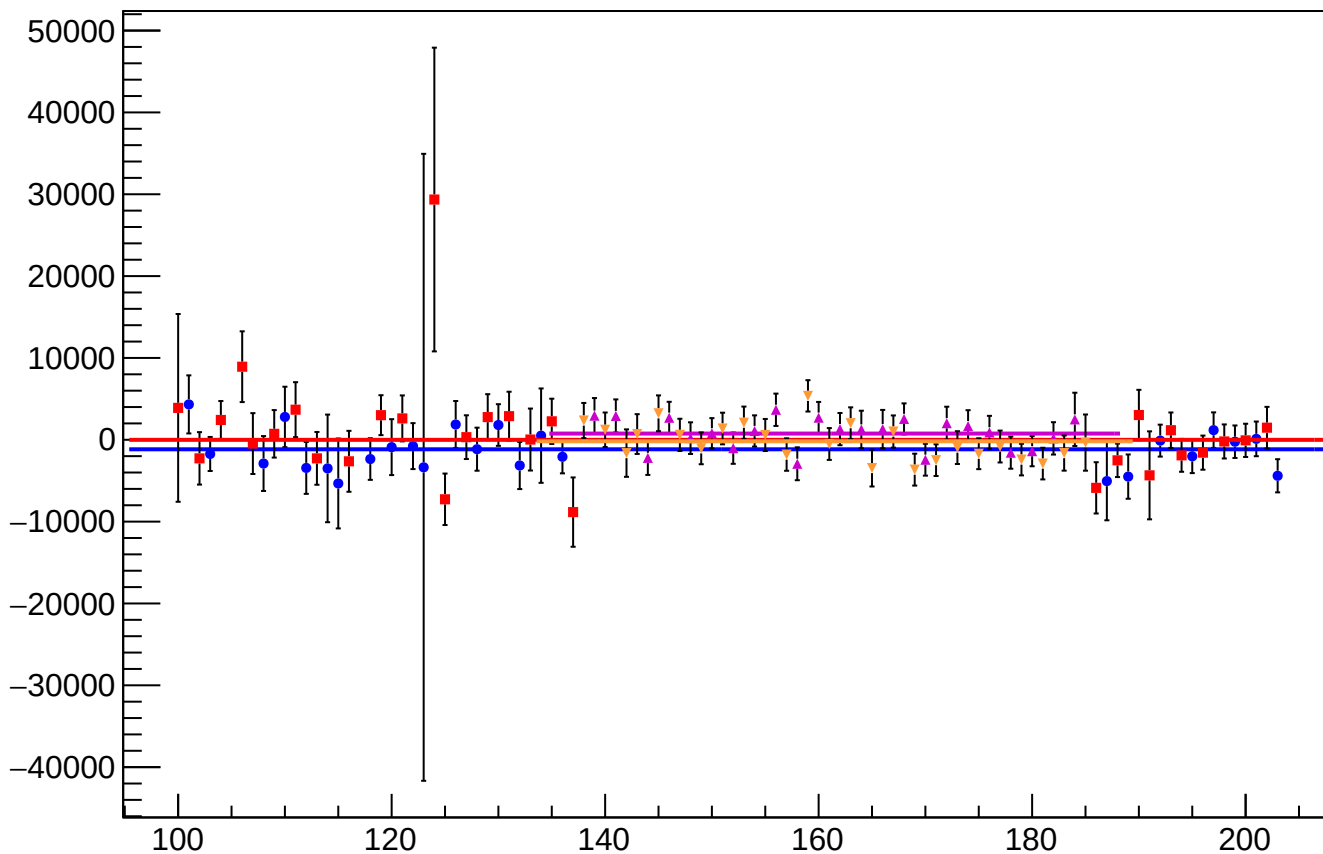
Left In: 5312.861+/-0.914 χ^2/NDF :957400.7/22

+ sign 4934.035+/-0.670 χ^2/NDF : 6481779.9/49

All: 4908.501+/-0.472 χ^2/NDF : 13507335.5/100

- sign 4883.304+/-0.666 χ^2/NDF : 7022669.9/51

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1162.834 ± 540.310 χ^2/NDF : 15.5/24

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -6.666 ± 525.014 χ^2/NDF : 34.2/28

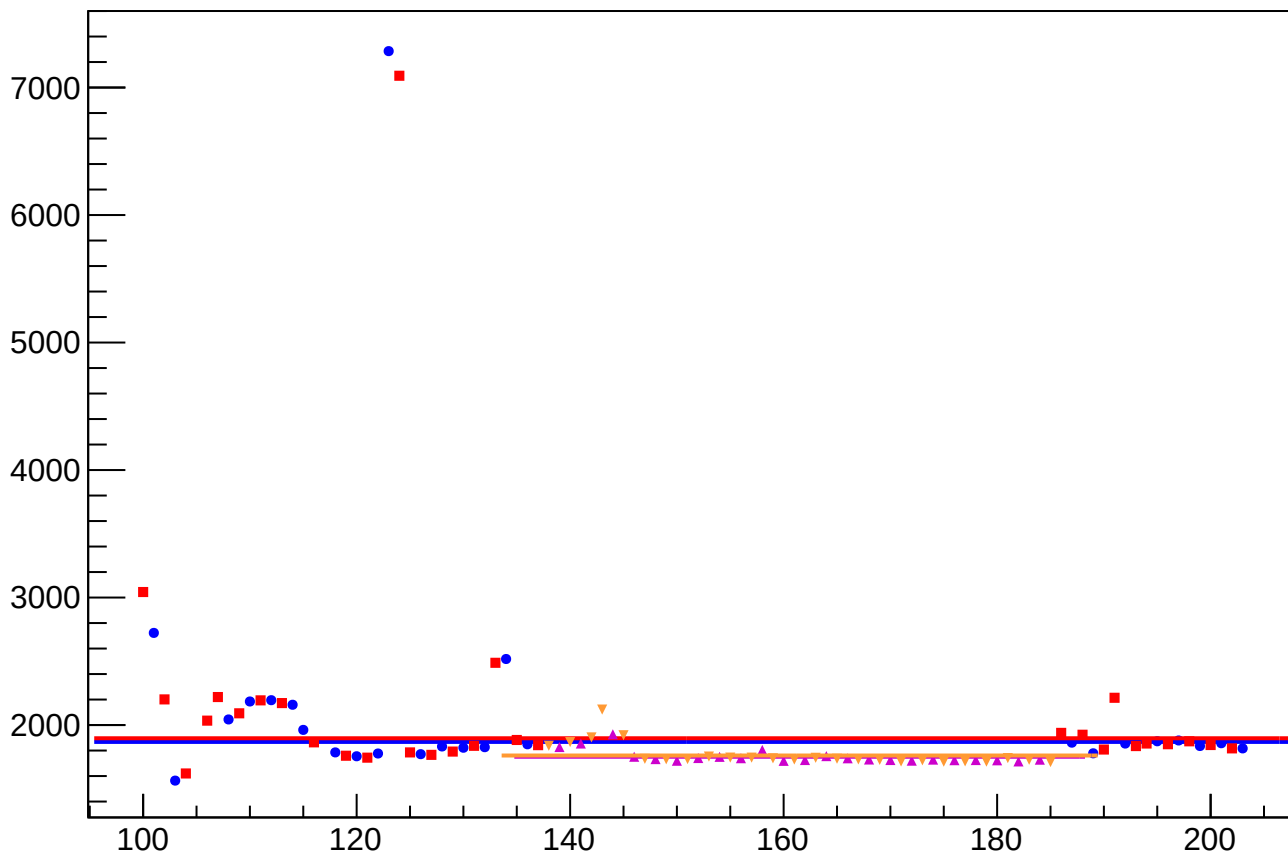
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -540.089 ± 327.104 χ^2/NDF : 46.9/49

All: -40.918 ± 231.587 χ^2/NDF : 107.3/101

- sign 460.755 ± 327.923 χ^2/NDF : 55.7/51

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1867.716 $\pm$ 0.382 χ^2 /NDF: 284678.3/24

Left Out: 1761.091 $\pm$ 0.291 χ^2 /NDF: 77468.5/24

Right Out: 1896.374 $\pm$ 0.371 χ^2 /NDF: 368902.2/28

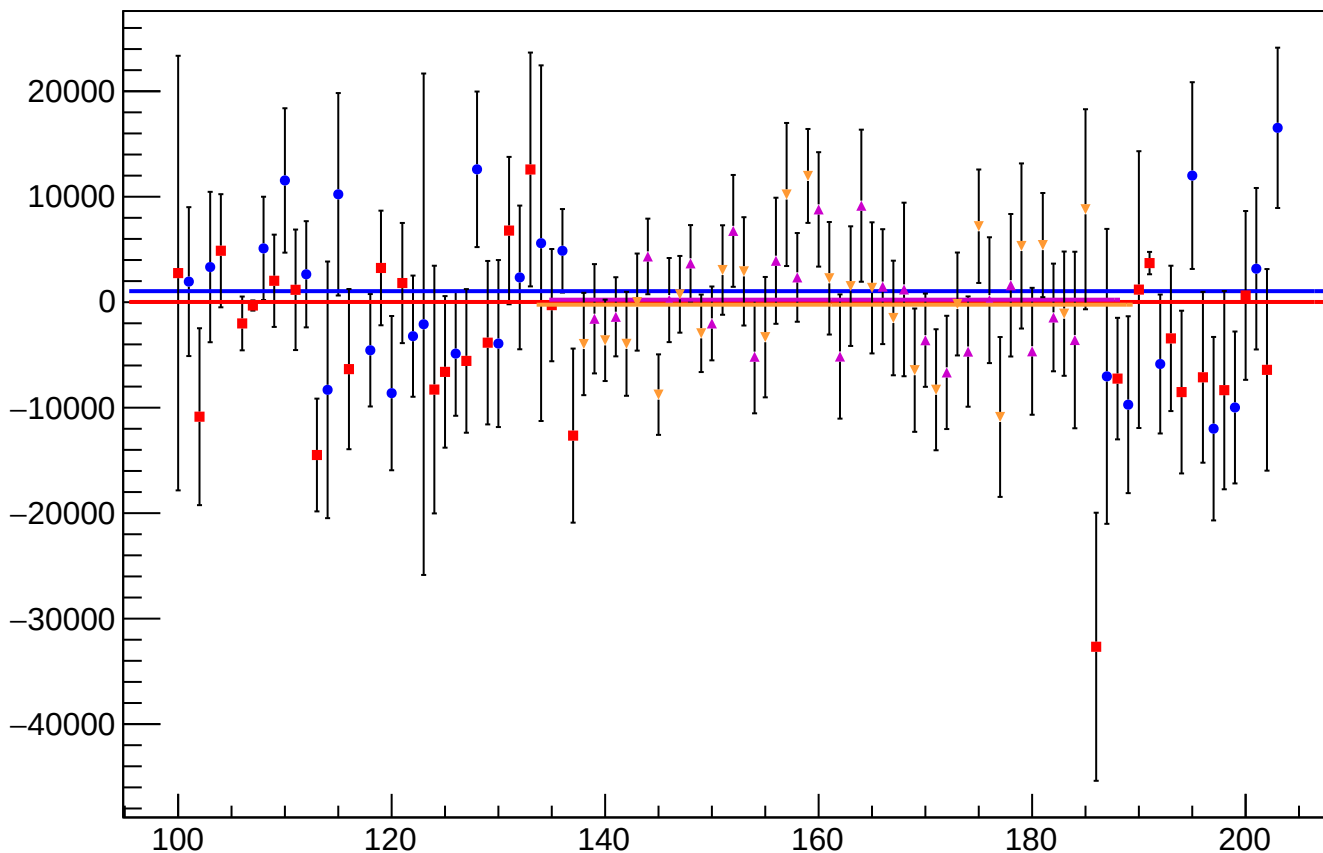
Left In: 1751.418 $\pm$ 0.297 χ^2 /NDF: 28578.7/22

+ sign 1800.170 $\pm$ 0.231 χ^2 /NDF: 411487.7/49

All: 1804.088 $\pm$ 0.164 χ^2 /NDF: 902616.8/101

- sign 1808.023 $\pm$ 0.232 χ^2 /NDF: 490554.0/51

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1047.175 $\pm$ 1386.880 χ^2 /NDF: 26.5/24

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF:28.9/24

Right Out: 21.913 $\pm$ 412.386 χ^2 /NDF: 43.1/28

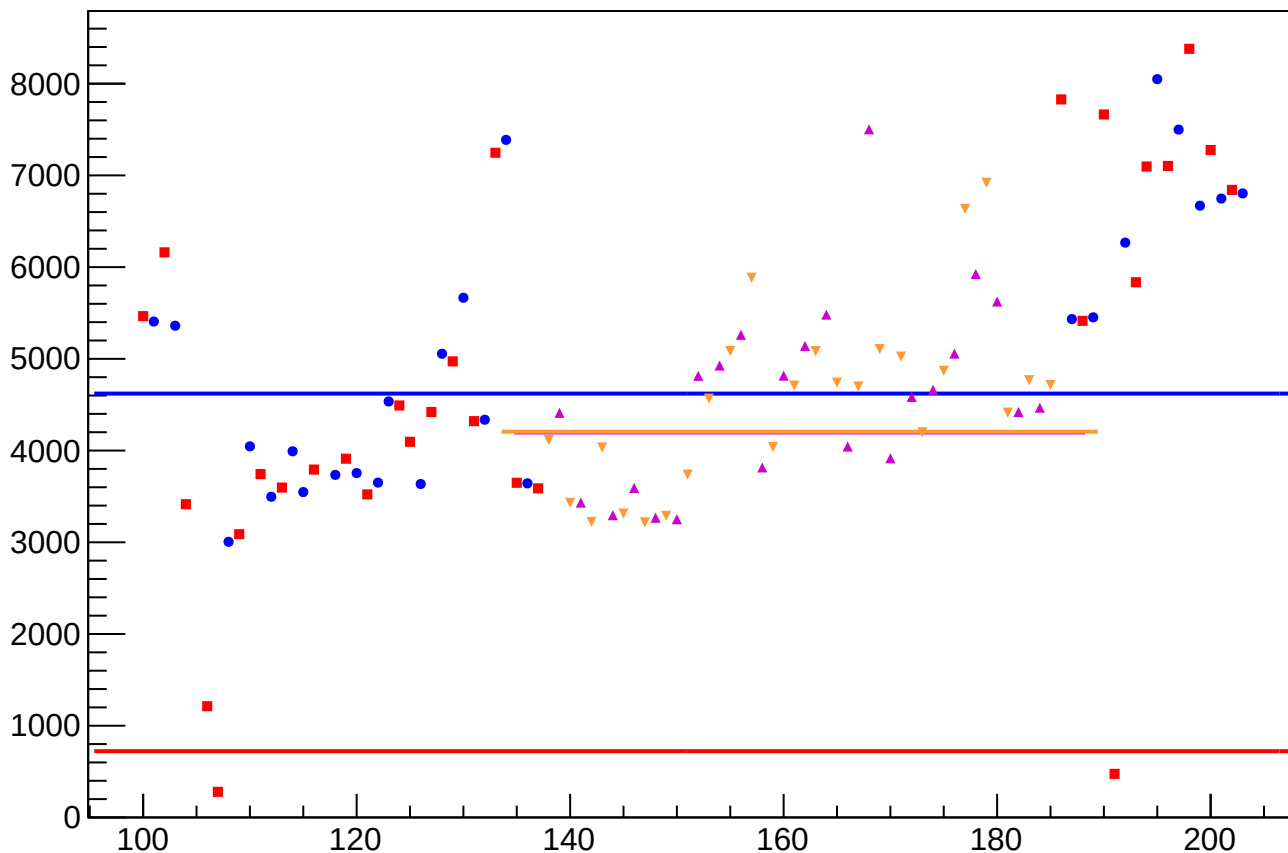
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF:15.3/22

+ sign 206.022 $\pm$ 813.871 χ^2 /NDF: 56.0/49

All: 79.892 $\pm$ 346.385 χ^2 /NDF: 114.4/101

- sign 51.991 $\pm$ 382.784 χ^2 /NDF: 58.5/51

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4621.262 $\pm$ 0.981 χ^2 /NDF: 1977535.8/24

Left Out: 4206.076 $\pm$ 0.711 χ^2 /NDF: 1442269.3/24

Right Out: 722.665 $\pm$ 0.292 χ^2 /NDF: 2016680.8/28

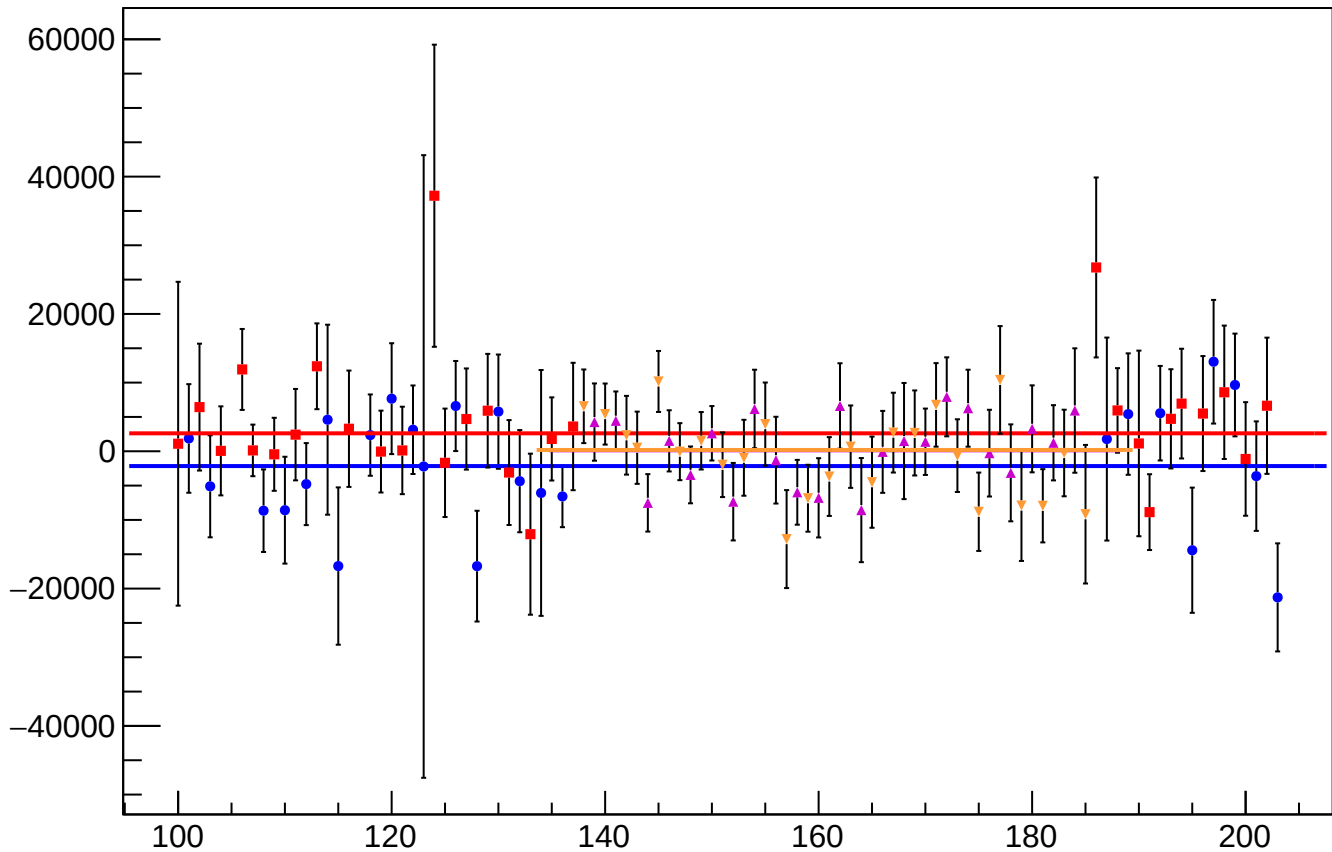
Left In: 4197.267 $\pm$ 0.728 χ^2 /NDF: 1471012.9/22

+ sign 4349.056 $\pm$ 0.575 χ^2 /NDF: 3537320.1/49

All: 1773.355 $\pm$ 0.245 χ^2 /NDF: 69289449.1/1

- sign 1203.594 $\pm$ 0.271 χ^2 /NDF: 41289724.4/51

asym_atl1r2_dd_mean vs Slug



Right In: -2155.801 $\pm$ 1535.400 χ^2 /NDF: 29.2/24

Left Out: 189.721 $\pm$ 1106.851 χ^2 /NDF: 25.0/24

Right Out: 2612.324 $\pm$ 1340.446 χ^2 /NDF: 20.8/28

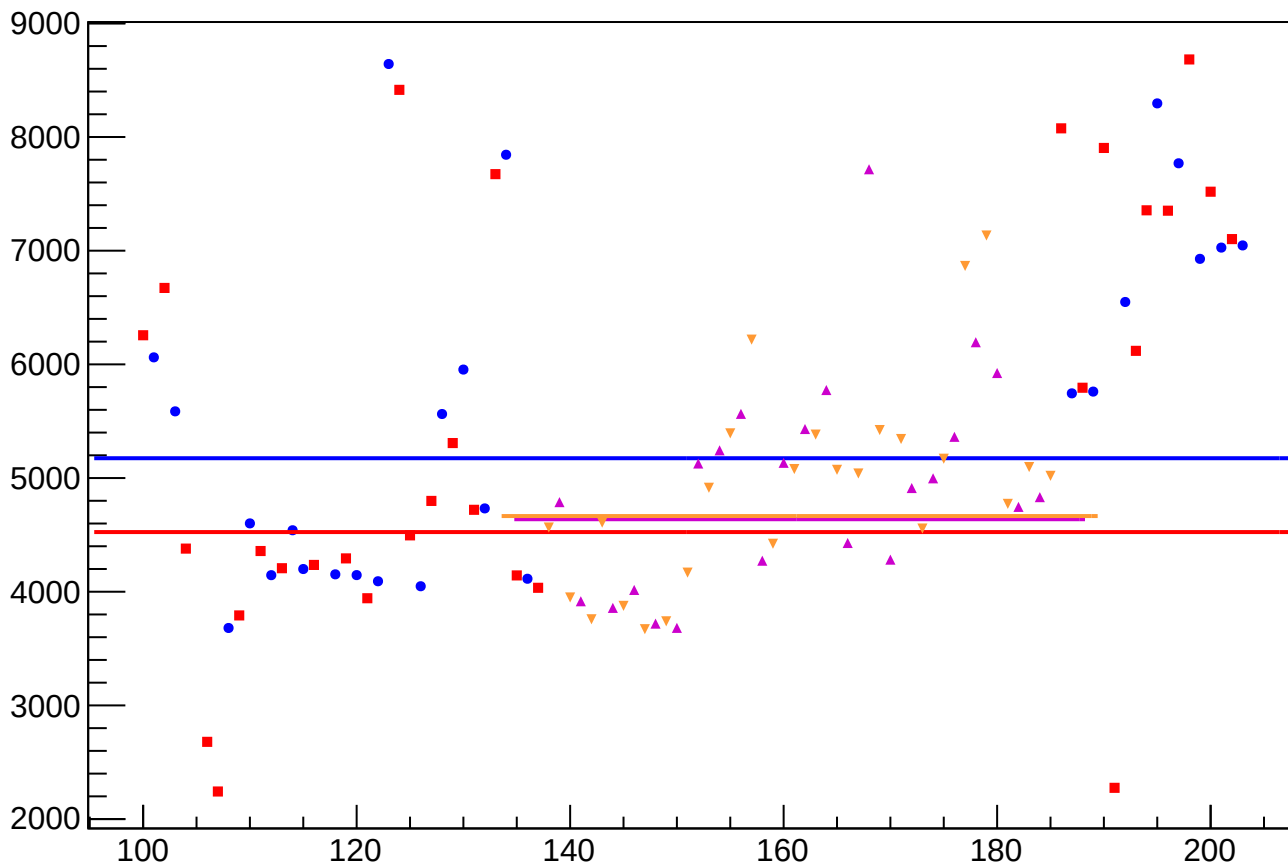
Left In: 137.477 $\pm$ 1129.656 χ^2 /NDF: 18.6/22

+ sign -612.370 $\pm$ 897.870 χ^2 /NDF: 55.8/49

All: 310.783 $\pm$ 622.500 χ^2 /NDF: 99.2/101

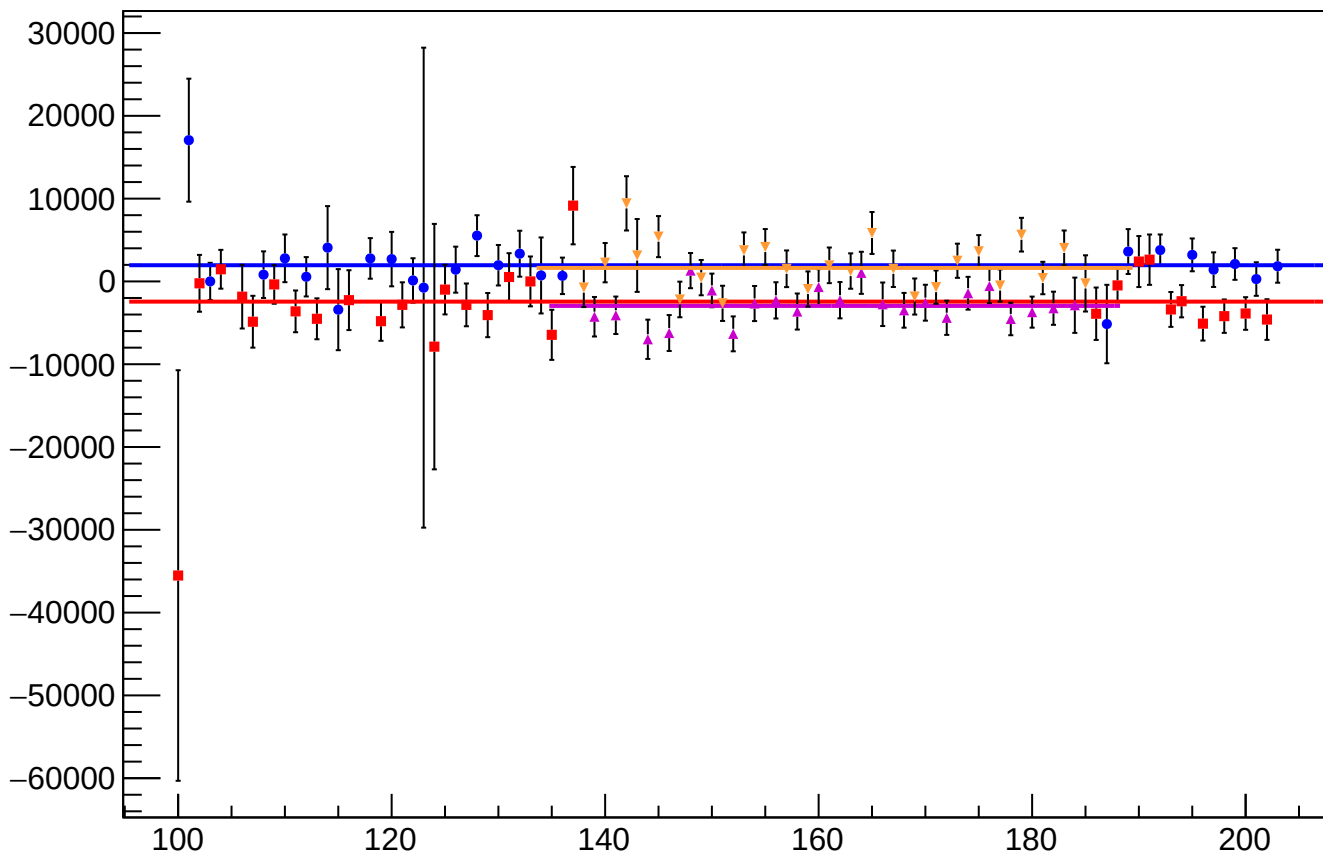
- sign 1165.233 $\pm$ 863.813 χ^2 /NDF: 41.4/51

asym_atl1r2_dd_rms vs Slug



Right In: 5174.405+/-1.086	χ^2/NDF : 1471121.7/24	+ sign 4839.607+/-0.635	χ^2/NDF : 2632868.7/49
Left Out: 4665.620+/-0.783	χ^2/NDF : 1017235.0/24	All: 4710.051+/-0.440	χ^2/NDF : 7212889.7/10
Right Out: 4524.788+/-0.943	χ^2/NDF : 3426415.1/28	- sign 4590.600+/-0.610	χ^2/NDF : 4499986.7/51
Left In: 4637.777+/-0.799	χ^2/NDF : 1065217.2/22		

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1955.871 $\pm$ 521.156 χ^2 /NDF: 15.0/24

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -2440.587 $\pm$ 495.159 χ^2 /NDF: 29.1/28

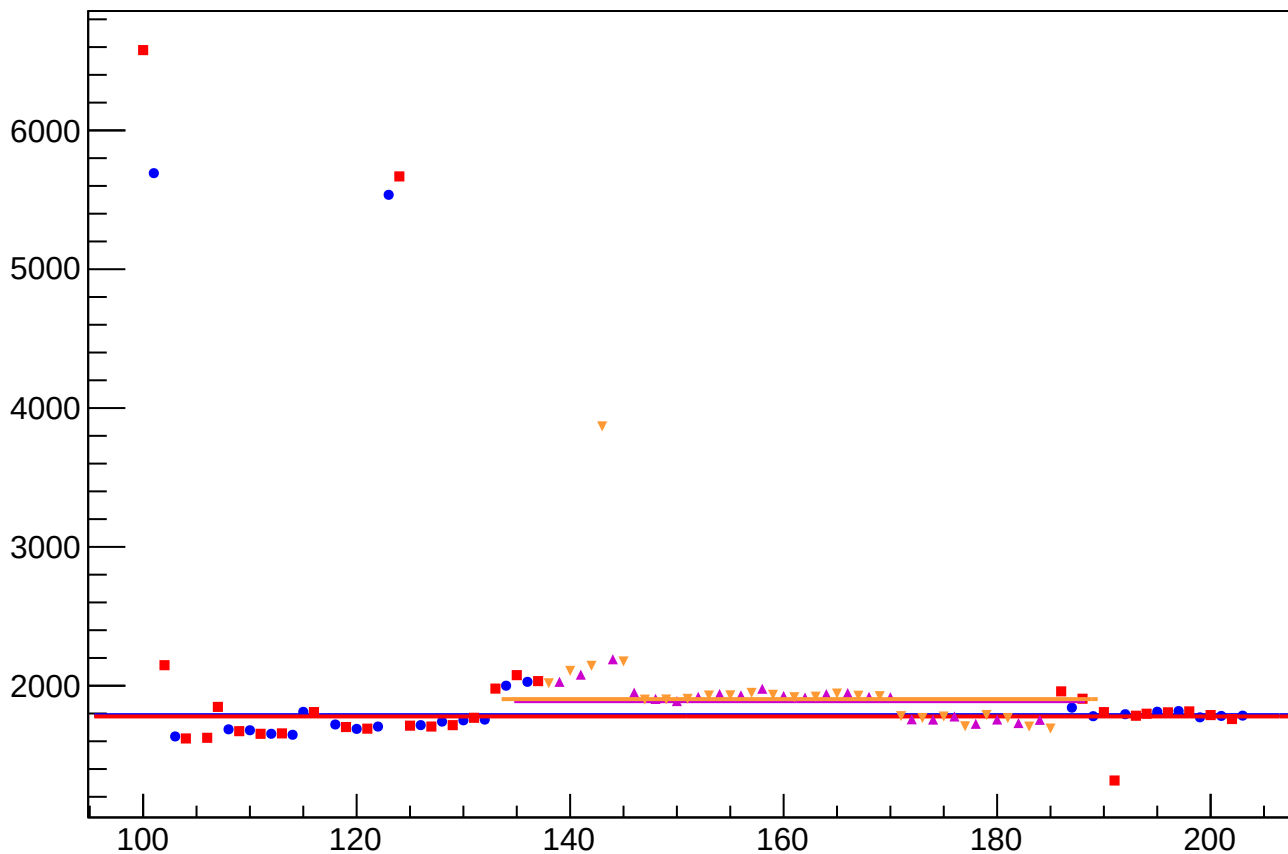
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1768.164 $\pm$ 339.321 χ^2 /NDF: 50.7/49

All: -509.090 $\pm$ 238.216 χ^2 /NDF: 189.6/101

- sign -2722.202 $\pm$ 334.508 χ^2 /NDF: 50.1/51

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1788.312 $\pm$ 0.369 χ^2 /NDF: 645877.7/24

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1778.842 $\pm$ 0.349 χ^2 /NDF: 368717.3/28

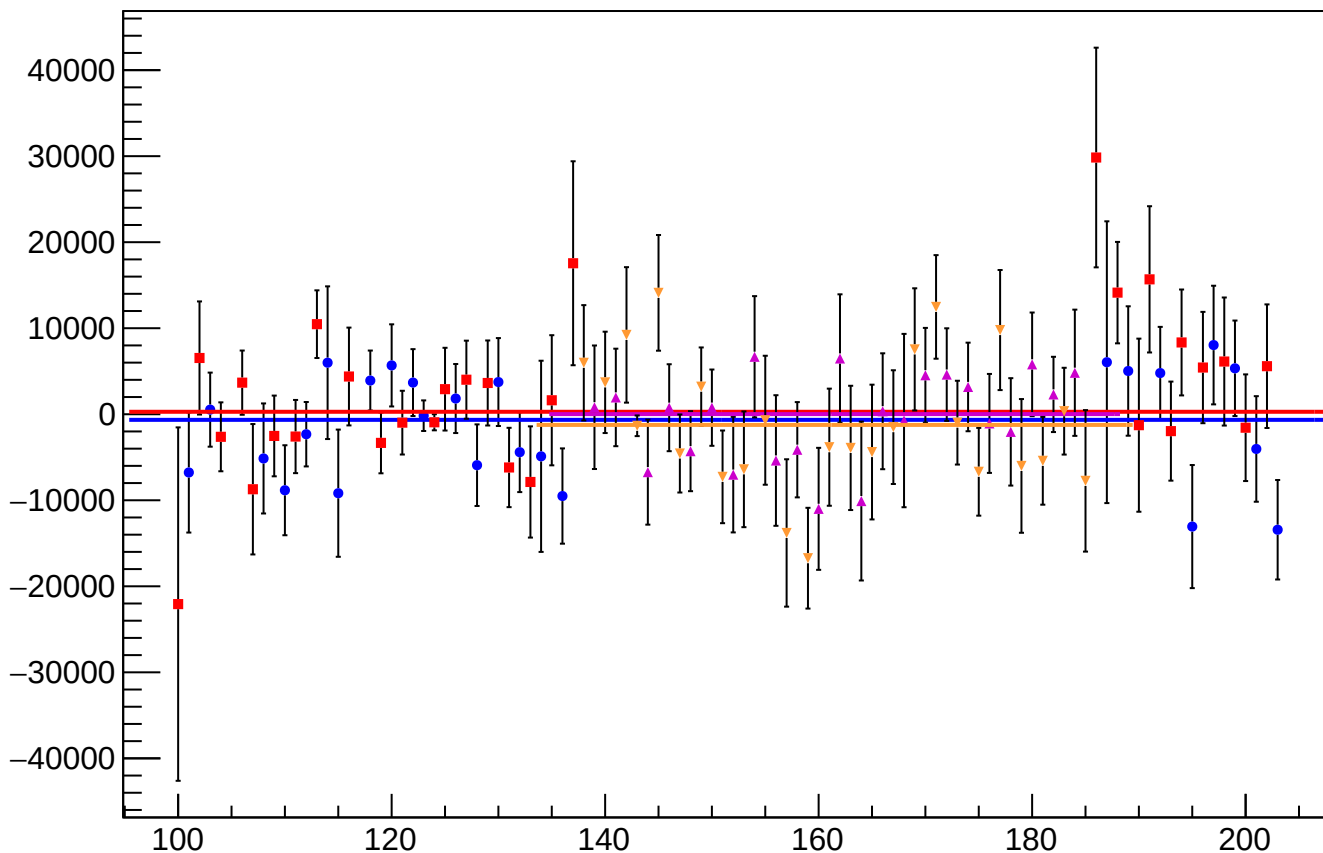
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1854.738 $\pm$ 0.240 χ^2 /NDF: 1243853.5/49

All: 1846.484 $\pm$ 0.168 χ^2 /NDF: 1795268.0/10

- sign 1838.490 $\pm$ 0.236 χ^2 /NDF: 549085.0/51

asym_atr1l2_avg_correction_mean vs Slug



Right In: -651.633 ± 926.881 χ^2/NDF : 29.1/24

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: 287.073 ± 689.996 χ^2/NDF : 40.8/28

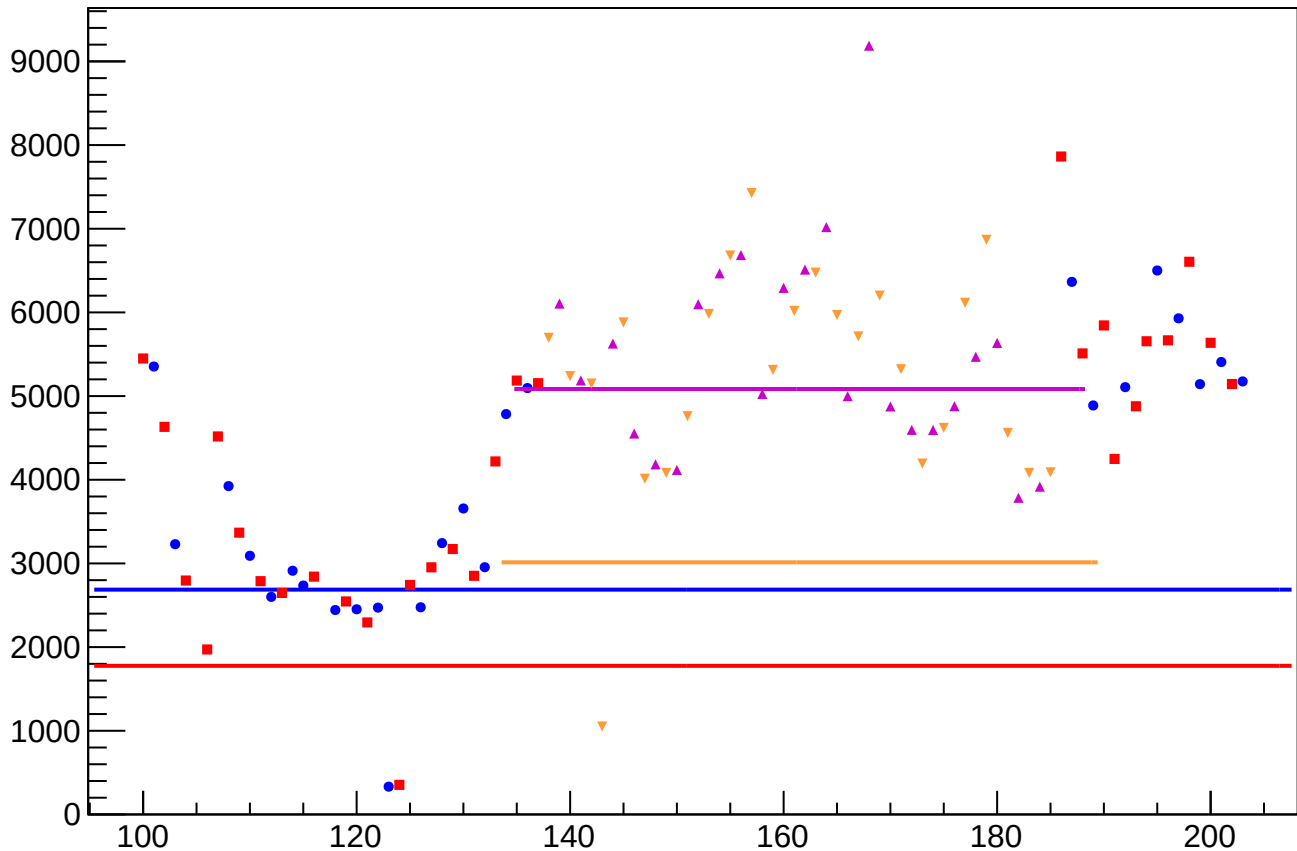
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -965.953 ± 632.472 χ^2/NDF : 63.2/49

All: -343.331 ± 436.553 χ^2/NDF : 119.2/101

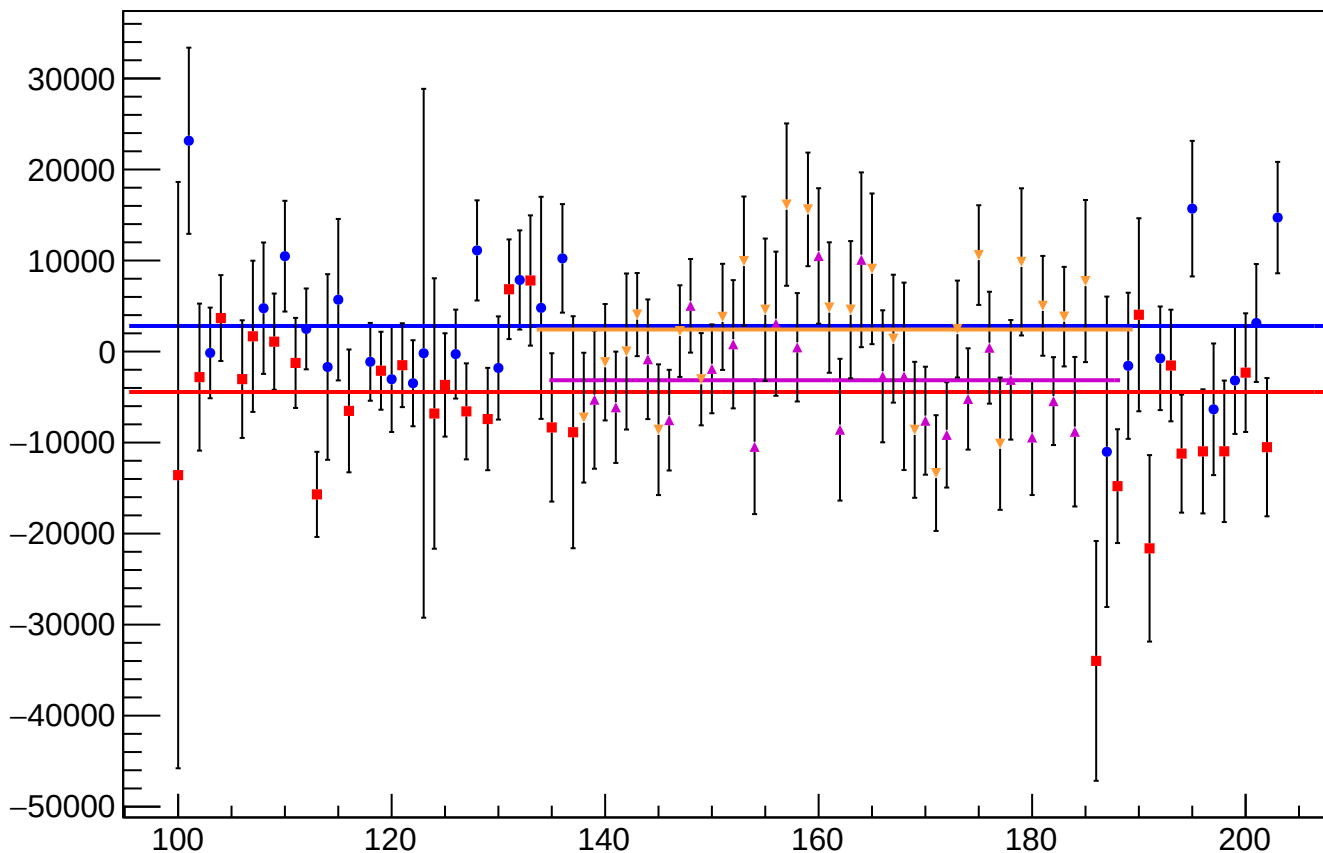
- sign 223.212 ± 603.317 χ^2/NDF : 54.1/51

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2686.815 $\pm$ 0.655	χ^2 /NDF: 7345368.4/24	+ sign 2861.264 $\pm$ 0.447	χ^2 /NDF: 19748700.5/49
Left Out: 3013.268 $\pm$ 0.612	χ^2 /NDF: 12270753.9/24	All: 2701.063 $\pm$ 0.309	χ^2 /NDF: 45480215.1/1
Right Out: 1776.288 $\pm$ 0.488	χ^2 /NDF: 13356353.6/28	- sign 2555.291 $\pm$ 0.427	χ^2 /NDF: 25486440.5/51
Left In: 5084.645 $\pm$ 0.879	χ^2 /NDF: 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2809.627 $\pm$ 1249.291 χ^2 /NDF: 26.5/24

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -4443.142 $\pm$ 1193.562 χ^2 /NDF: 34.7/28

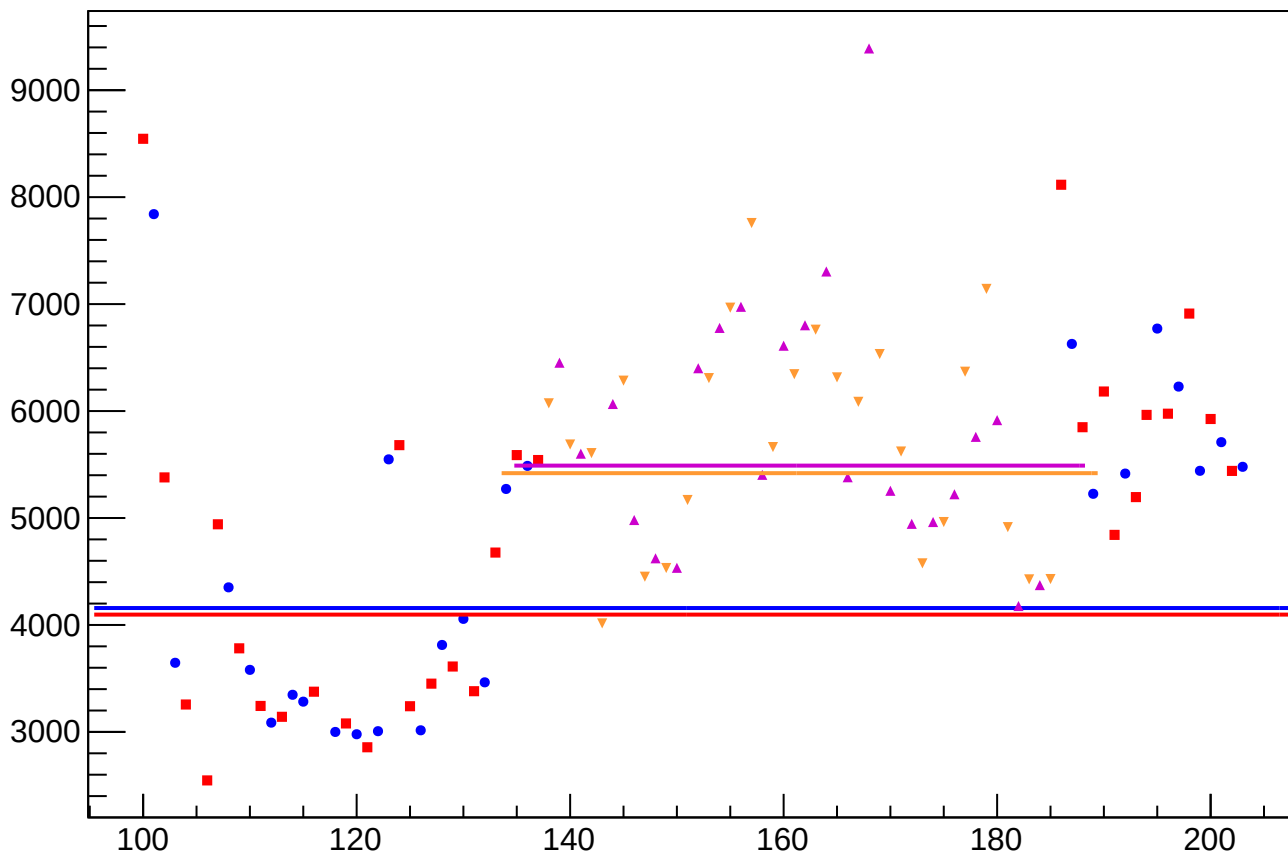
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2619.173 $\pm$ 896.242 χ^2 /NDF: 56.4/49

All: -646.957 $\pm$ 631.698 χ^2 /NDF: 133.5/101

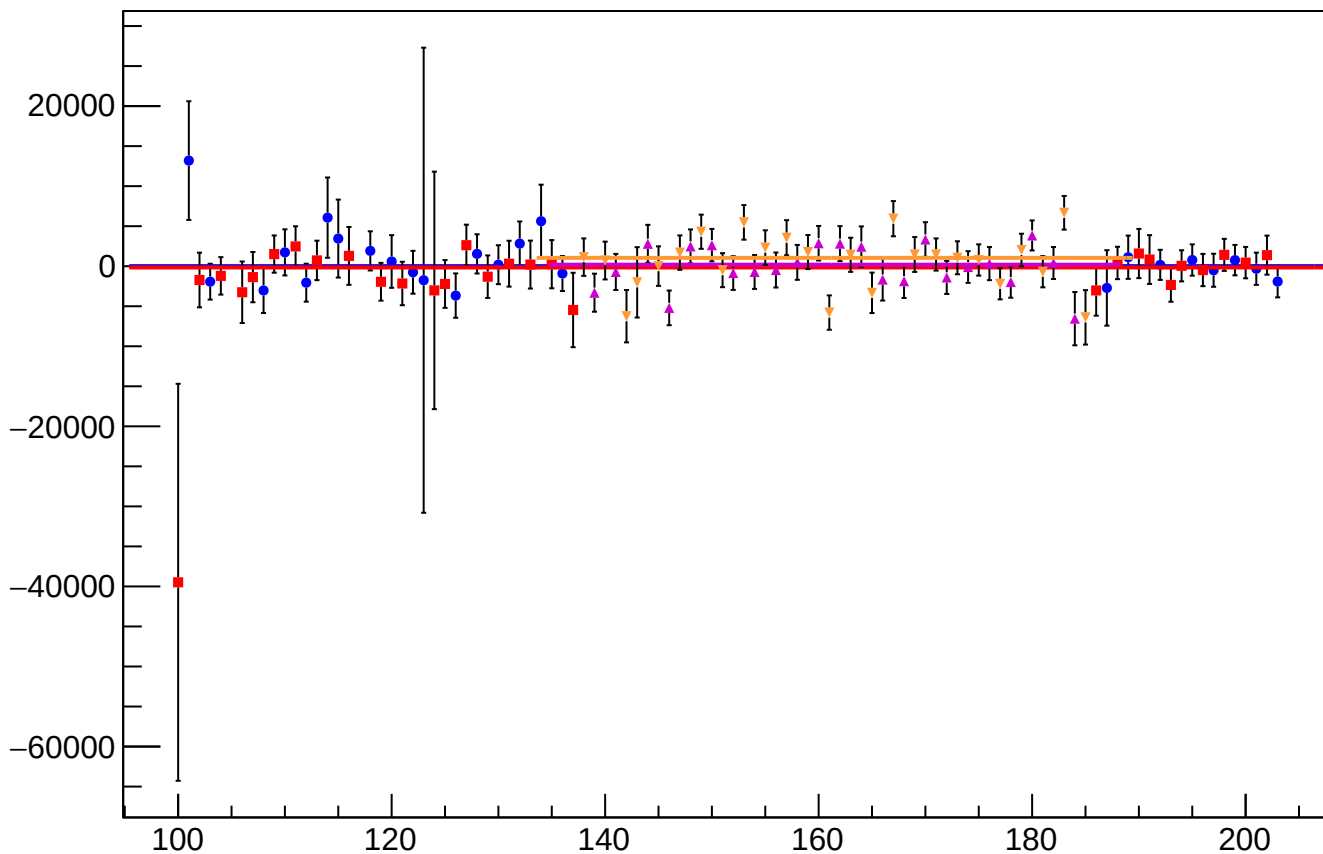
- sign -3871.344 $\pm$ 890.497 χ^2 /NDF: 50.7/51

asym_atr1l2_avg_rms vs Slug



Right In: 4158.330+/-0.883	χ^2/NDF : 1956639.4/24	+ sign 4770.324+/-0.634	χ^2/NDF : 4055530.8/49
Left Out: 5419.305+/-0.910	χ^2/NDF : 1109972.1/24		
Right Out: 4096.860+/-0.835	χ^2/NDF : 2339220.7/28	All: 4738.398+/-0.445	χ^2/NDF : 8683224.2/10
Left In: 5489.885+/-0.946	χ^2/NDF : 1064353.3/22	- sign 4707.248+/-0.626	χ^2/NDF : 4622679.2/51

reg_asym_atr1l2_dd_mean vs Slug



Right In: 9.063 ± 518.552 χ^2/NDF : 15.6/24

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: -155.279 ± 492.963 χ^2/NDF : 13.6/28

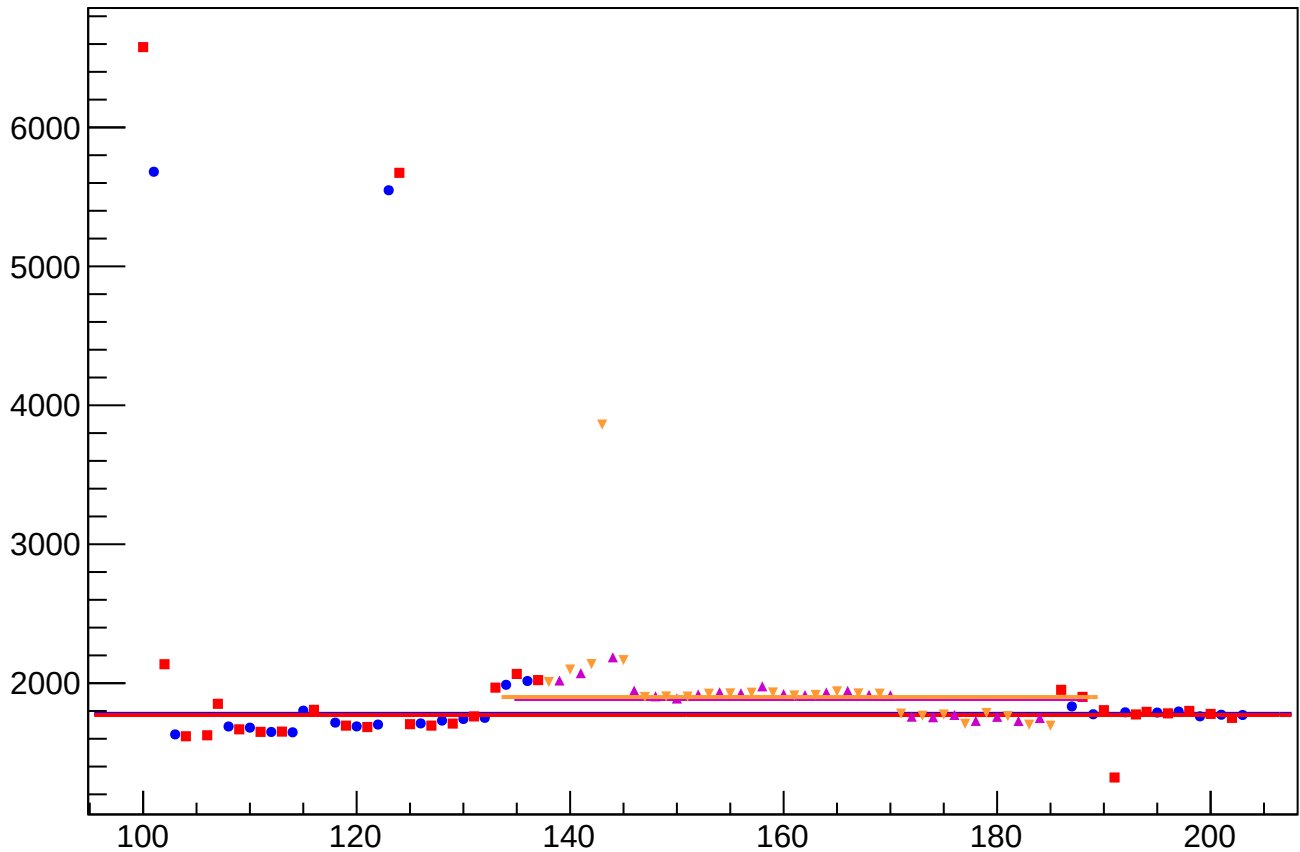
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 602.084 ± 338.245 χ^2/NDF : 66.5/49

All: 313.571 ± 237.507 χ^2/NDF : 111.7/101

- sign 32.966 ± 333.576 χ^2/NDF : 43.8/51

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1779.482 $\pm$ 0.367 χ^2 /NDF: 643722.6/24

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1771.182 $\pm$ 0.347 χ^2 /NDF: 365407.8/28

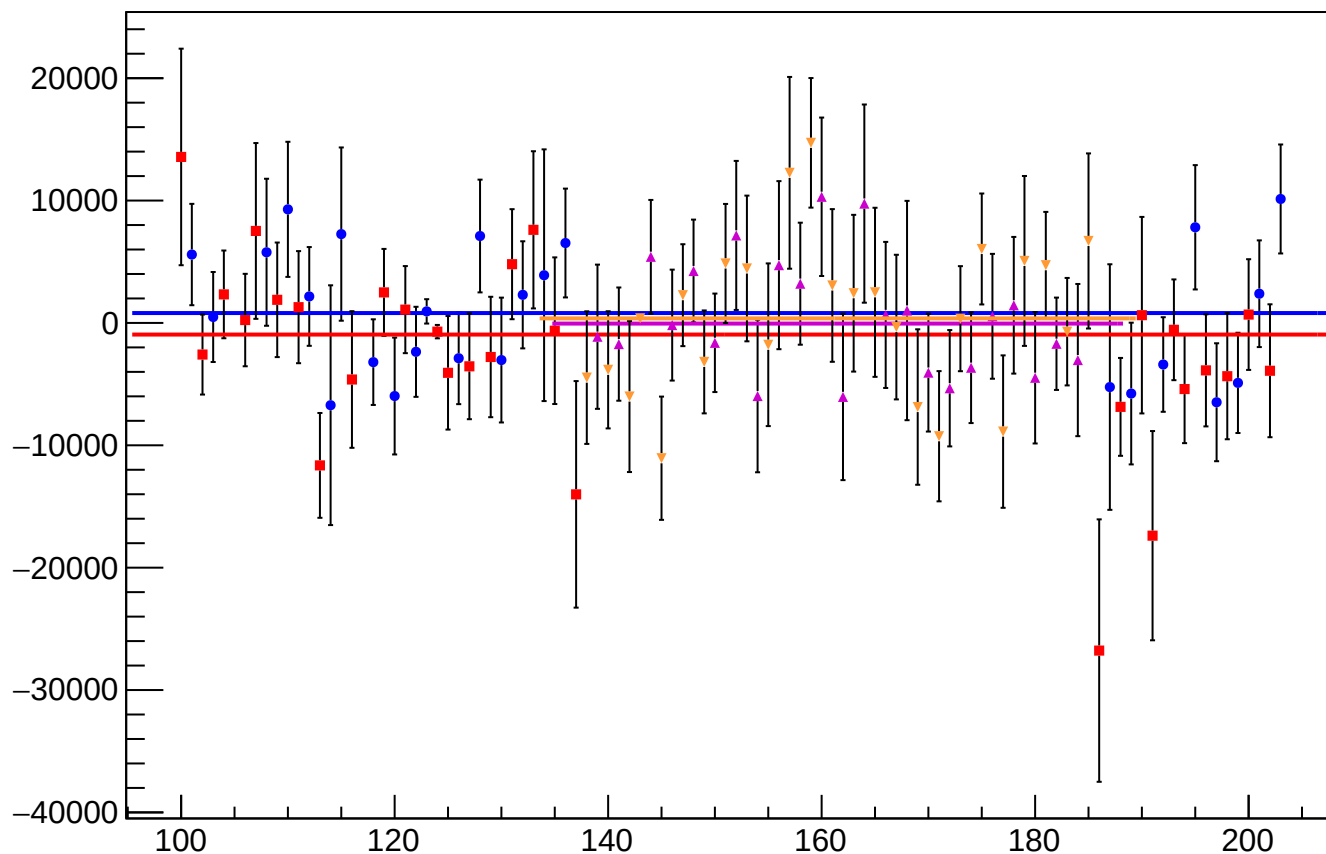
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1848.892 $\pm$ 0.239 χ^2 /NDF: 1243985.0/49

All: 1841.039 $\pm$ 0.168 χ^2 /NDF: 1794471.3/10

- sign 1833.426 $\pm$ 0.235 χ^2 /NDF: 548363.3/51

asym_atr1l2_dd_correction_mean vs Slug



Right In: 807.731 $\pm$ 687.902 χ^2 /NDF: 28.8/24

Left Out: 373.277 $\pm$ 382.071 χ^2 /NDF:30.8/24

Right Out: -950.569 $\pm$ 467.621 χ^2 /NDF: 34.4/28

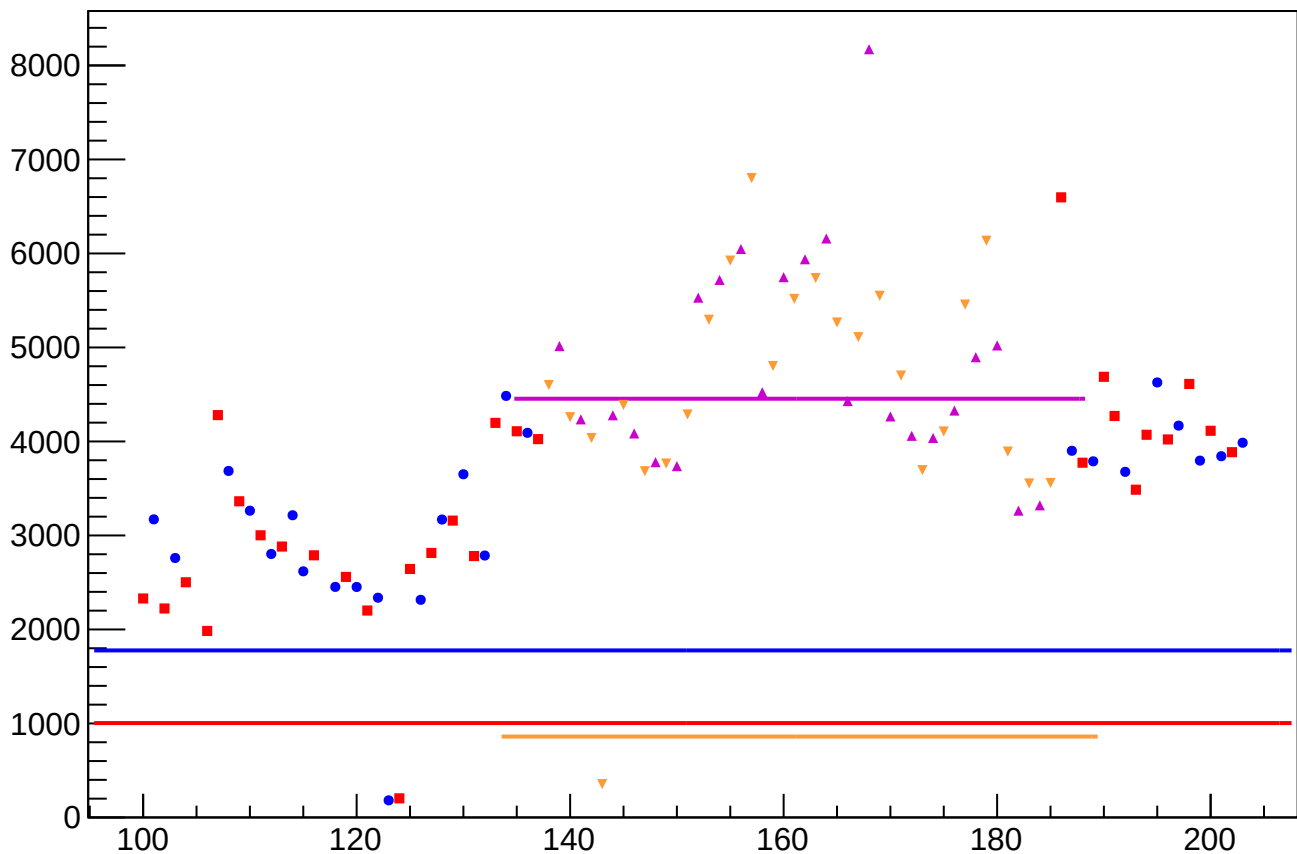
Left In: -53.099 $\pm$ 1089.888 χ^2 /NDF:14.5/22

+ sign 475.703 $\pm$ 334.010 χ^2 /NDF: 59.9/49

All: -8.887 $\pm$ 263.720 χ^2 /NDF: 114.9/101

- sign -811.042 $\pm$ 429.736 χ^2 /NDF: 49.5/51

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1776.940 $\pm$ 0.486 χ^2 /NDF: 10858162.2/24

Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF: 26340106.5/24

Right Out: 1004.135 $\pm$ 0.331 χ^2 /NDF: 17380958.1/28

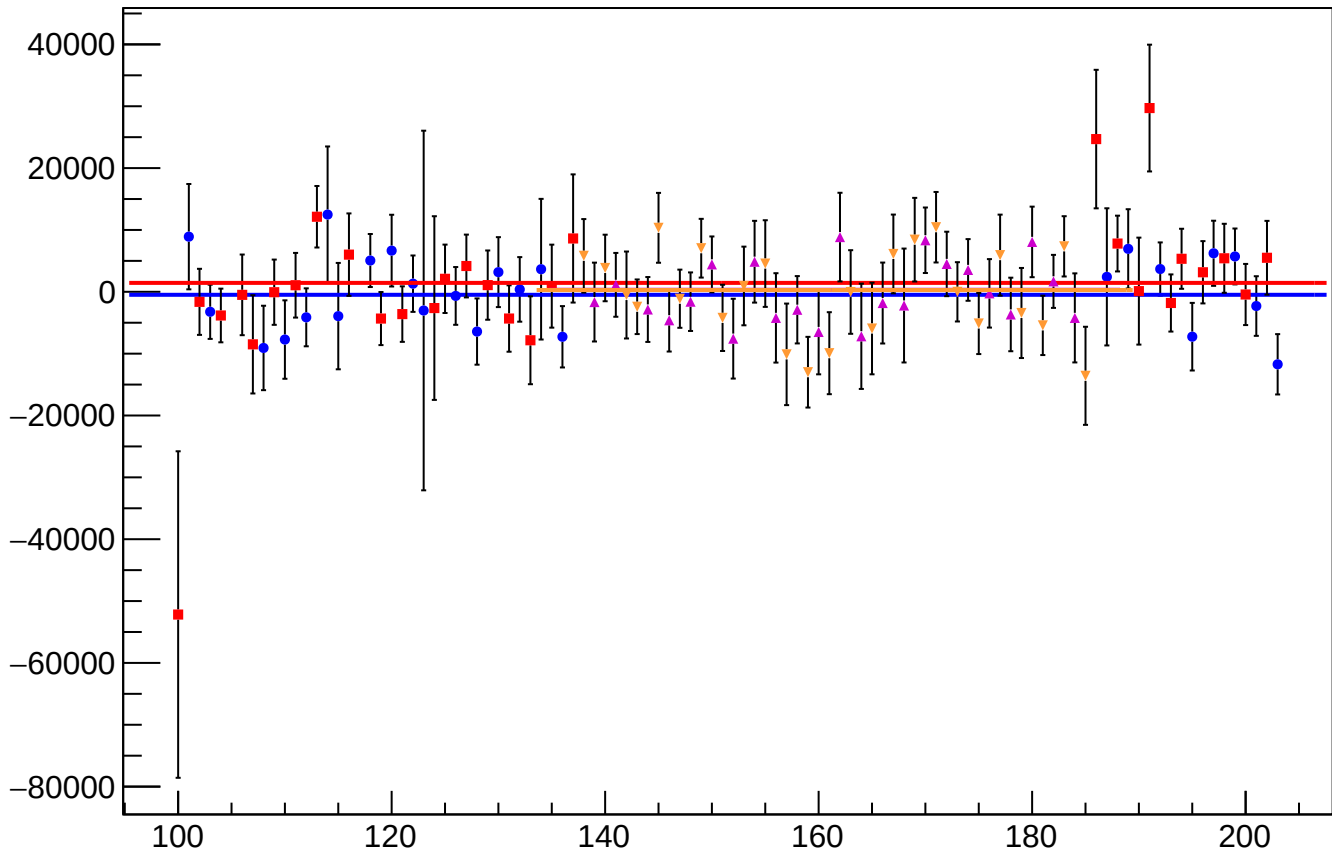
Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

+ sign 1076.593 $\pm$ 0.236 χ^2 /NDF: 39910787.6/49

All: 1251.316 $\pm$ 0.186 χ^2 /NDF: 77022034.7/1

- sign 1540.540 $\pm$ 0.304 χ^2 /NDF: 35658033.6/51

asym_atr1l2_dd_mean vs Slug



Right In: -485.013 ± 1117.811 χ^2/NDF : 26.5/24

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 1441.367 ± 1070.608 χ^2/NDF : 35.9/28

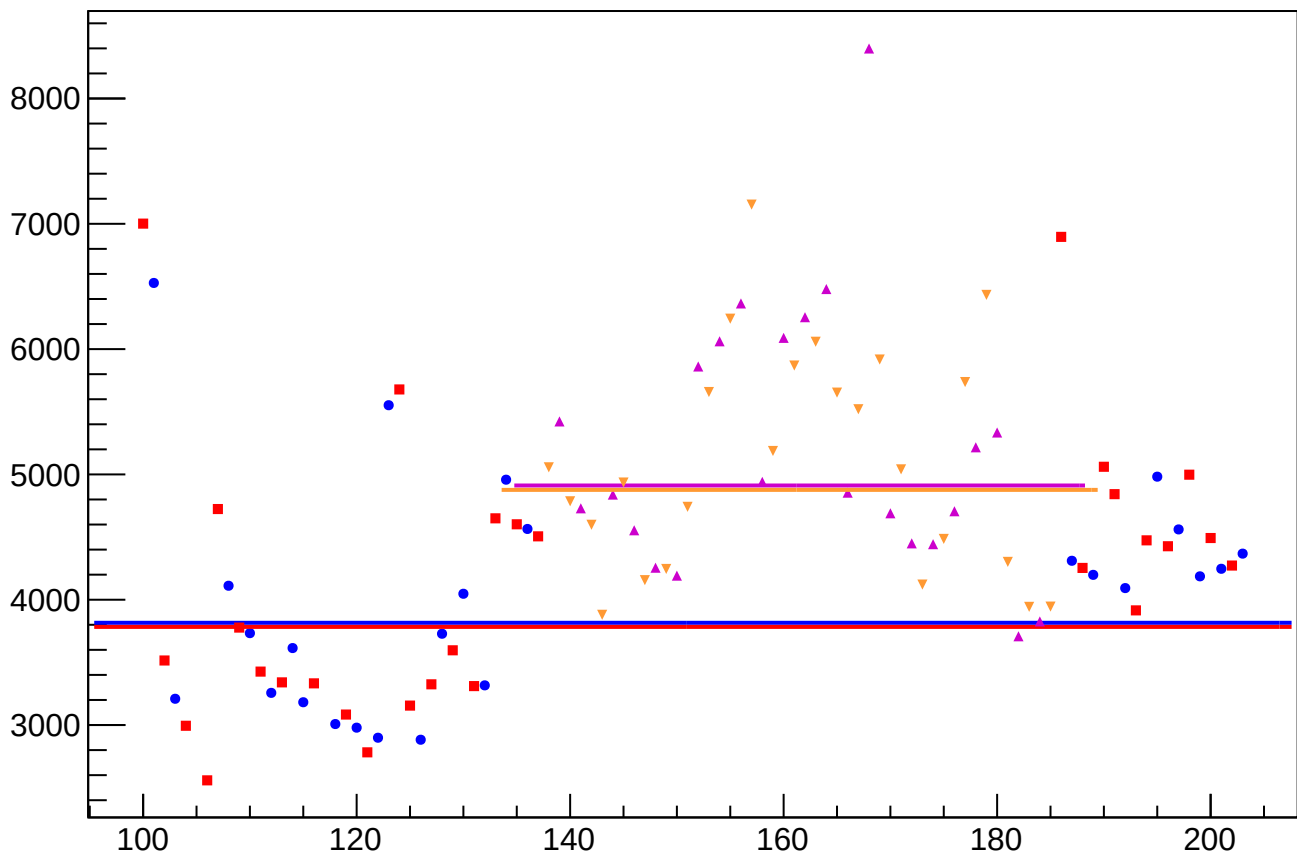
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign -111.046 ± 803.378 χ^2/NDF : 59.2/49

All: 422.280 ± 566.055 χ^2/NDF : 111.1/101

- sign 948.090 ± 797.698 χ^2/NDF : 51.0/51

asym_atr1l2_dd_rms vs Slug



Right In: 3815.911+/-0.790 χ^2/NDF : 859589.8/24

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3783.108+/-0.751 χ^2/NDF : 1058656.9/28

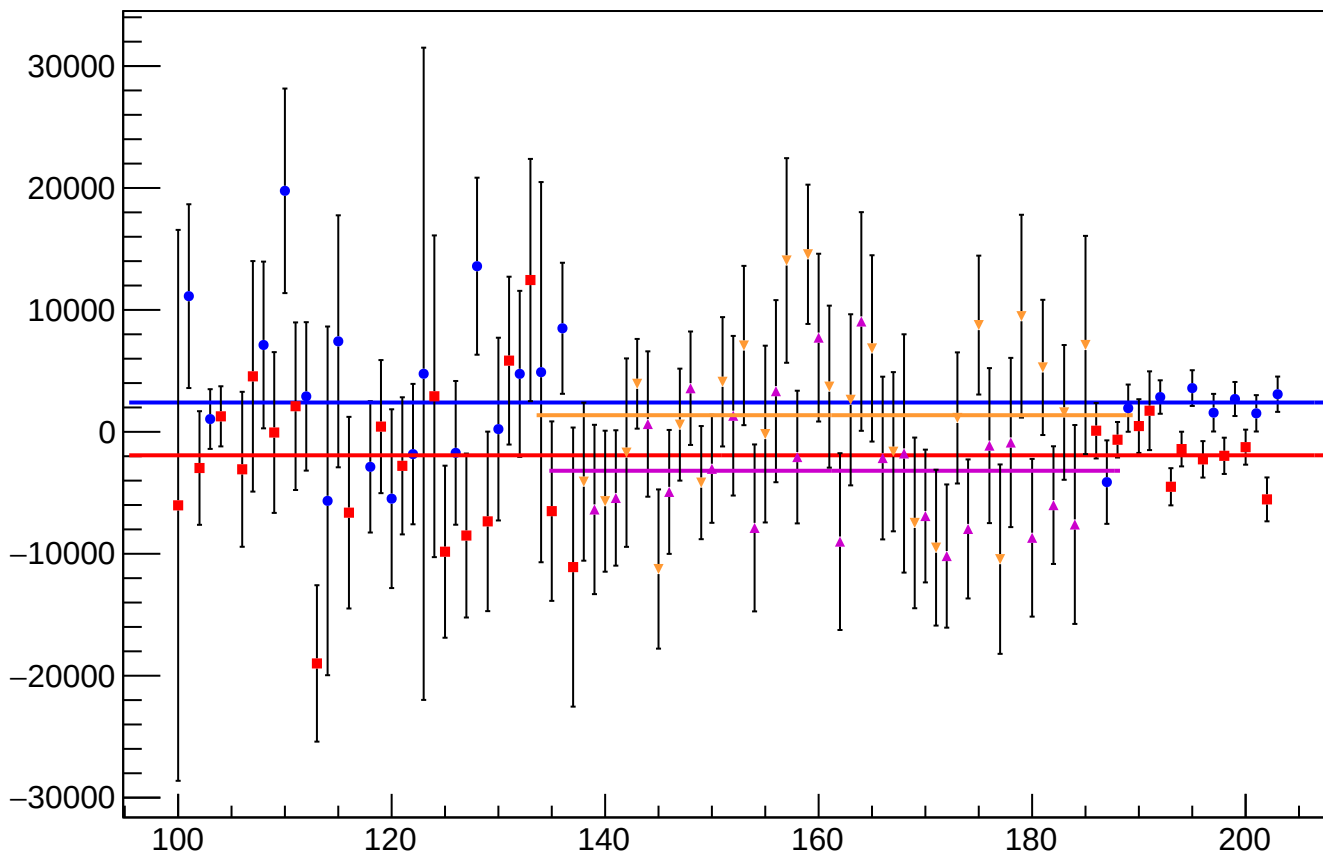
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4328.693+/-0.568 χ^2/NDF : 2702686.4/49

All: 4304.241+/-0.399 χ^2/NDF : 5804020.6/100

- sign 4280.361+/-0.561 χ^2/NDF : 3097672.2/51

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2406.626 $\pm$ 521.216 χ^2 /NDF: 19.4/24

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF: 28.0/24

Right Out: -1923.486 $\pm$ 493.426 χ^2 /NDF: 28.9/28

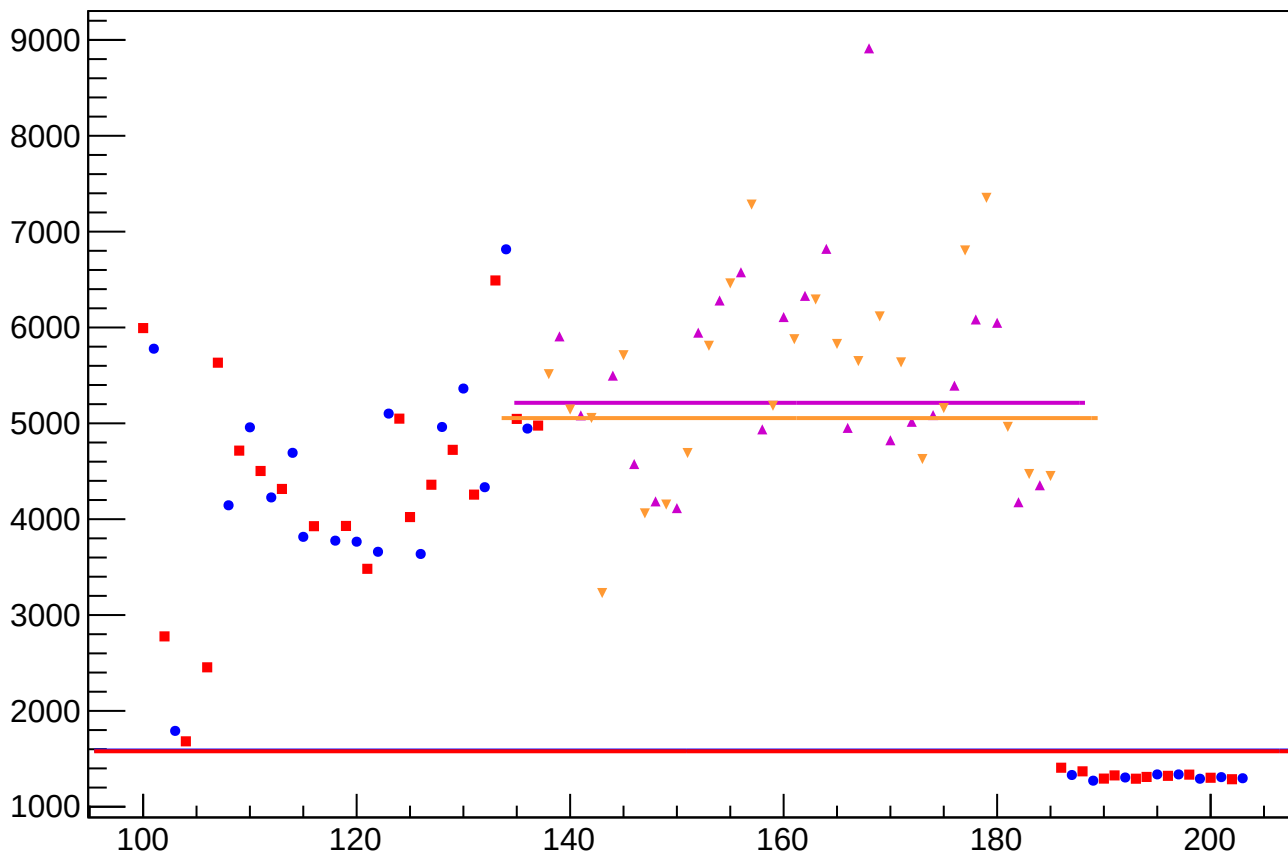
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF: 14.0/22

+ sign 2242.762 $\pm$ 478.461 χ^2 /NDF: 48.0/49

All: -9.000 $\pm$ 331.579 χ^2 /NDF: 134.4/101

- sign -2089.741 $\pm$ 459.933 χ^2 /NDF: 43.8/51

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1586.298 $\pm$ 0.369 χ^2 /NDF: 5611357.6/24

Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF:1437224.7/24

Right Out: 1578.663 $\pm$ 0.348 χ^2 /NDF: 5566944.9/28

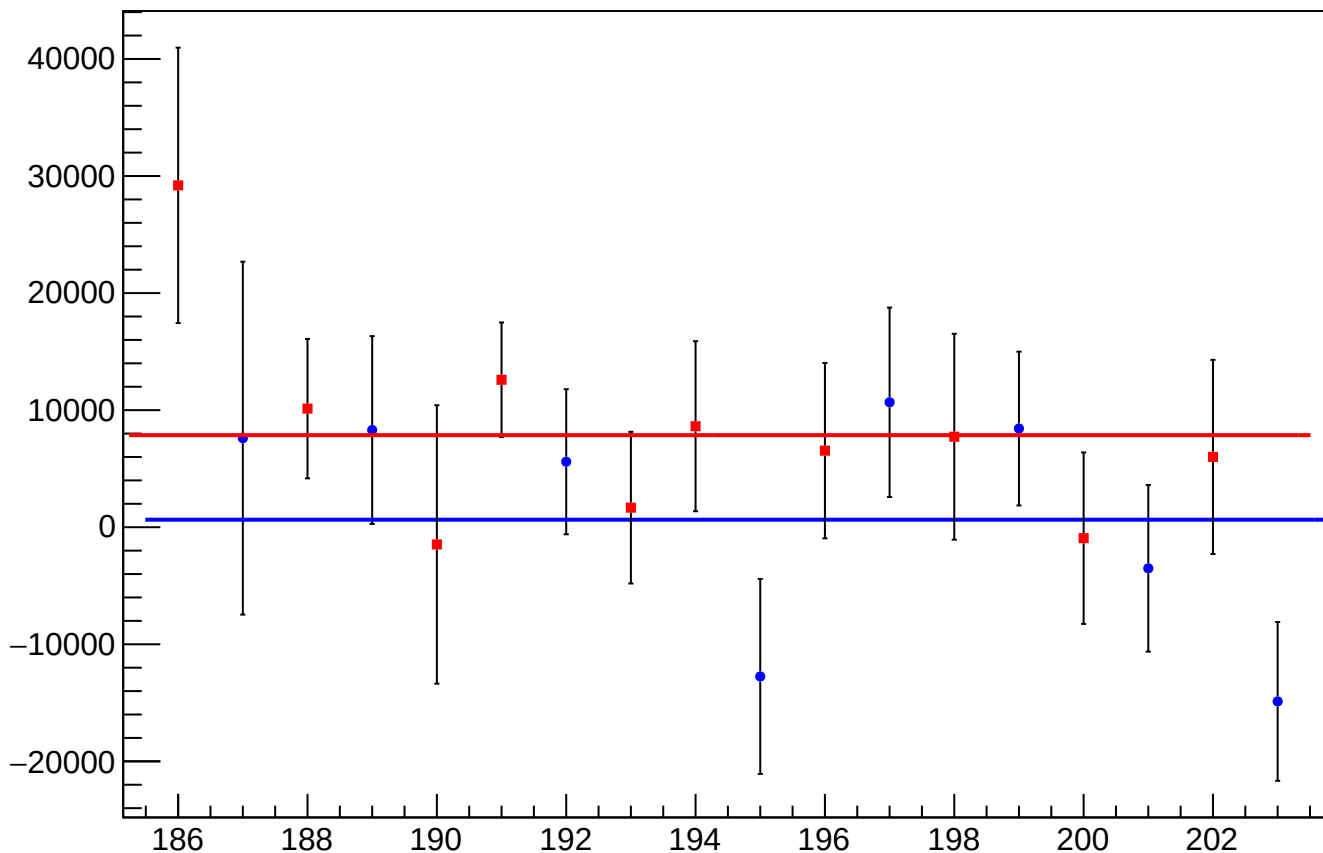
Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF:1052501.5/22

+ sign 2131.974 $\pm$ 0.338 χ^2 /NDF: 20982178.3/49

All: 2091.655 $\pm$ 0.234 χ^2 /NDF: 41872047.8/51

- sign 2054.475 $\pm$ 0.325 χ^2 /NDF: 20862571.0/51

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 642.282+/-2669.617 χ^2/NDF : 12.9/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 7864.916+/-2288.163 χ^2/NDF : 7.4/9

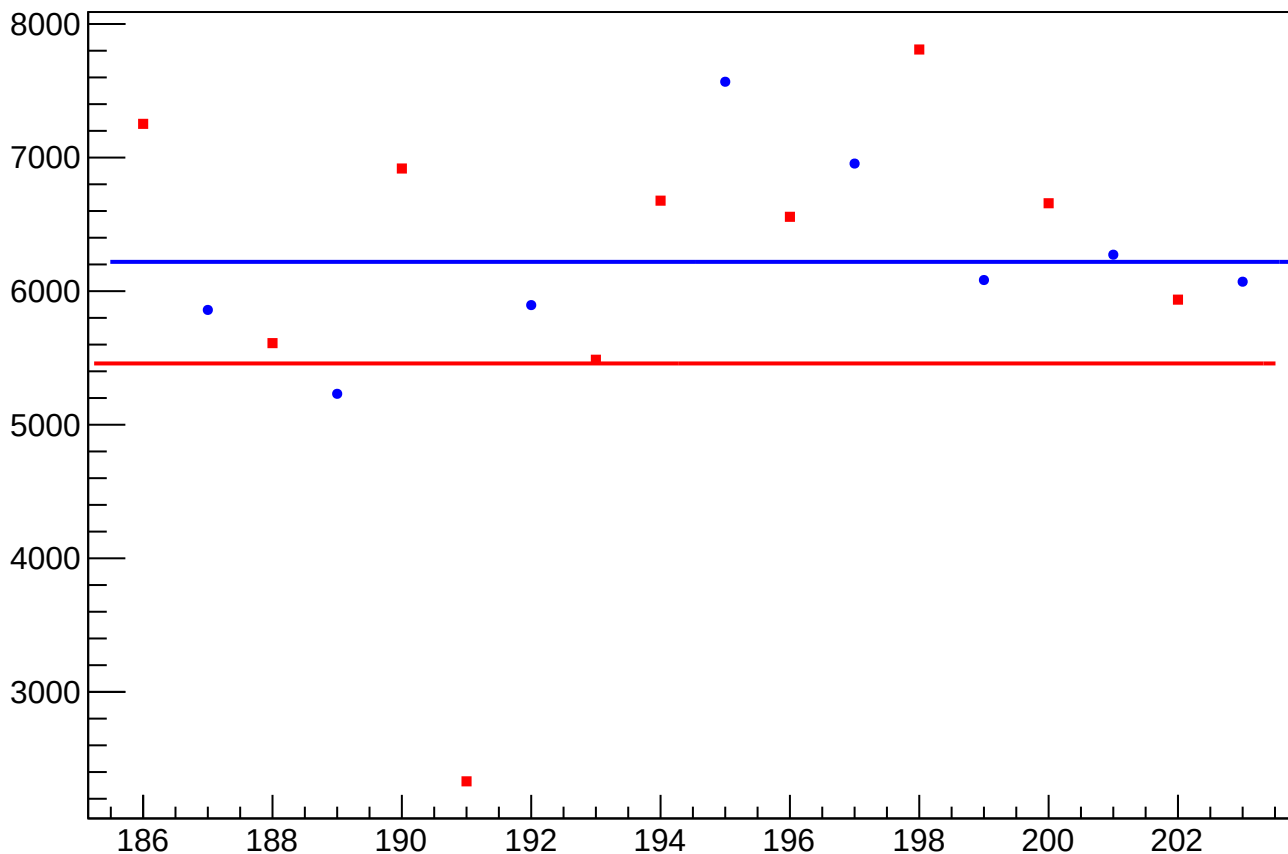
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4806.040+/-1737.329 χ^2/NDF : 24.5/17

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 6219.323+/-1.888 χ^2/NDF : 107797.6/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

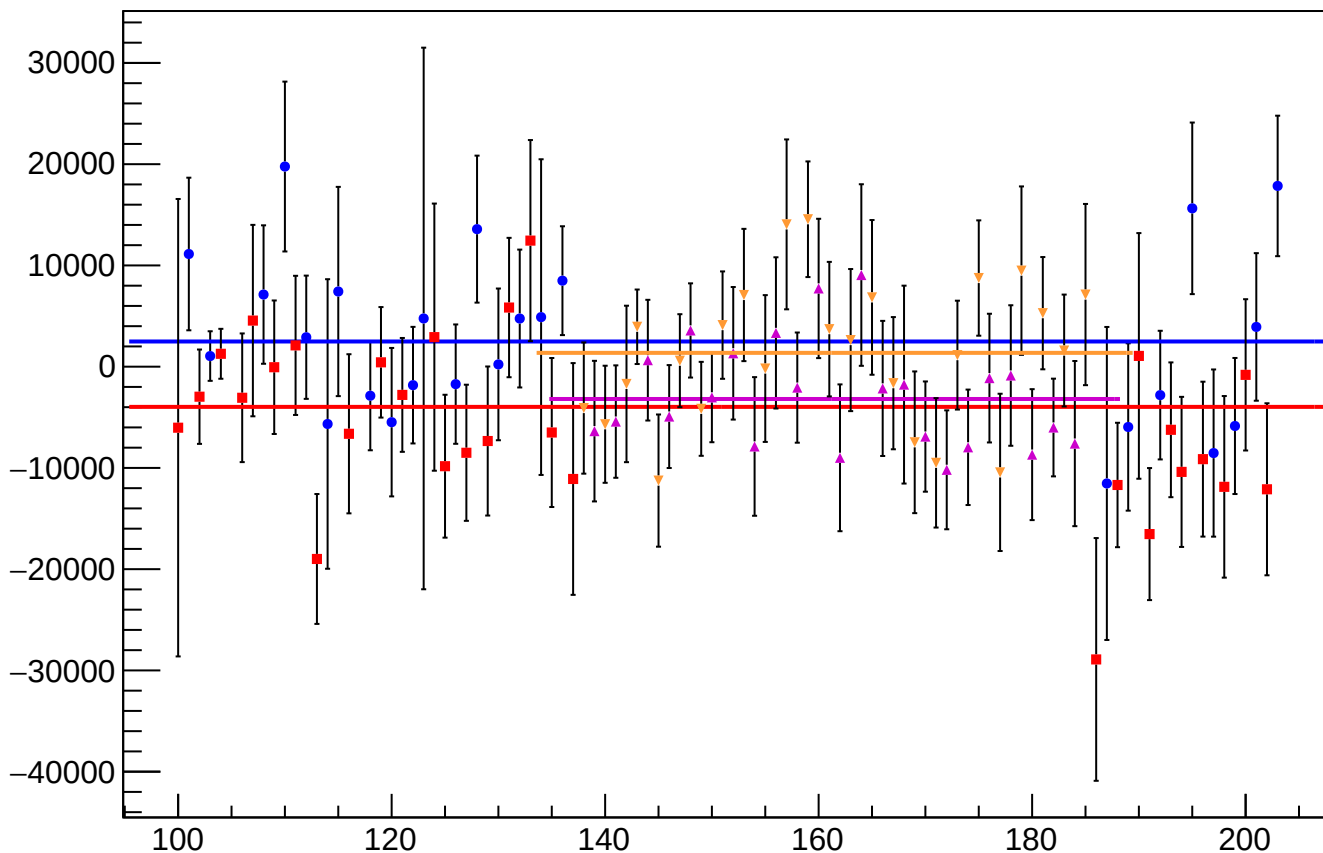
Right Out: 5458.797+/-1.618 χ^2/NDF : 1197589.0/9

All: 5780.889+/-1.228 χ^2/NDF : 1398959.6/17

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2487.894 $\pm$ 1284.906 χ^2 /NDF: 27.2/24

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -3970.366 $\pm$ 1205.650 χ^2 /NDF: 32.7/28

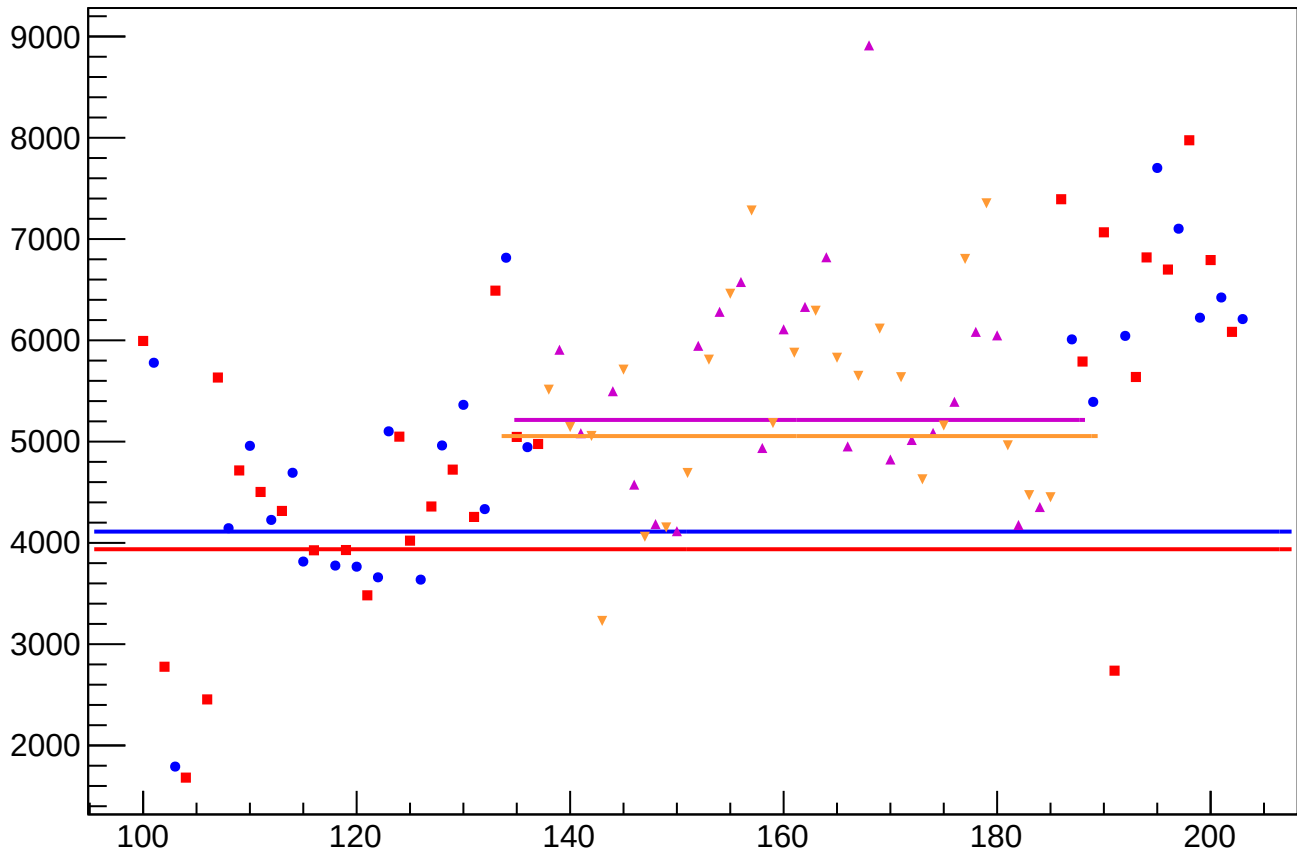
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1891.080 $\pm$ 879.447 χ^2 /NDF: 55.6/49

All: -870.787 $\pm$ 620.069 χ^2 /NDF: 122.1/101

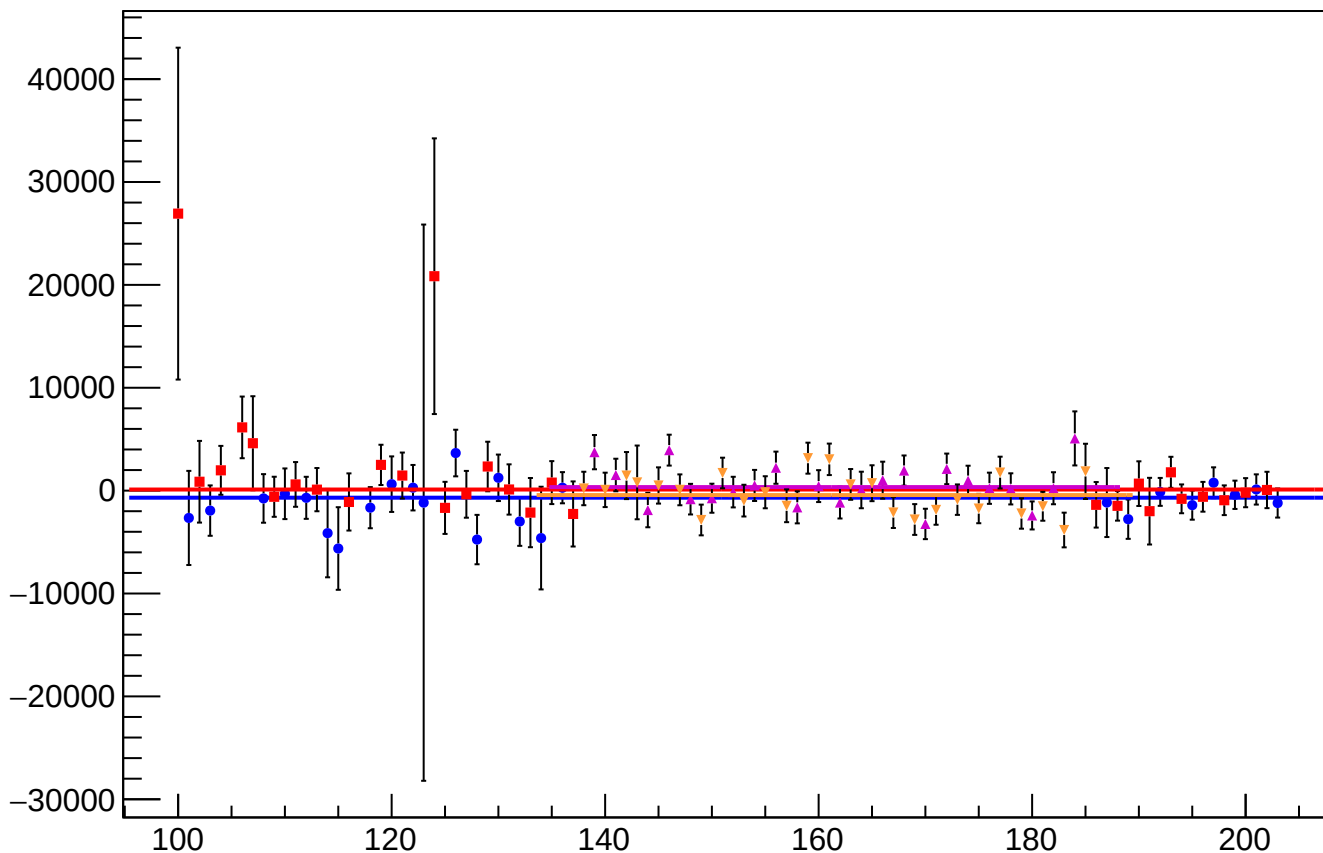
- sign -3601.010 $\pm$ 874.394 χ^2 /NDF: 46.9/51

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4111.535+/-0.909	χ^2/NDF : 3619923.2/24	+ sign 4612.857+/-0.622	χ^2/NDF : 5629962.8/49
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24	All: 4575.125+/-0.438	χ^2/NDF : 12162085.4/1
Right Out: 3937.348+/-0.847	χ^2/NDF : 4402086.4/28	- sign 4538.100+/-0.616	χ^2/NDF : 6524828.2/51
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22		

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -686.209+/-405.887 χ^2/NDF : 15.6/24

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: 107.913+/-391.315 χ^2/NDF : 20.2/28

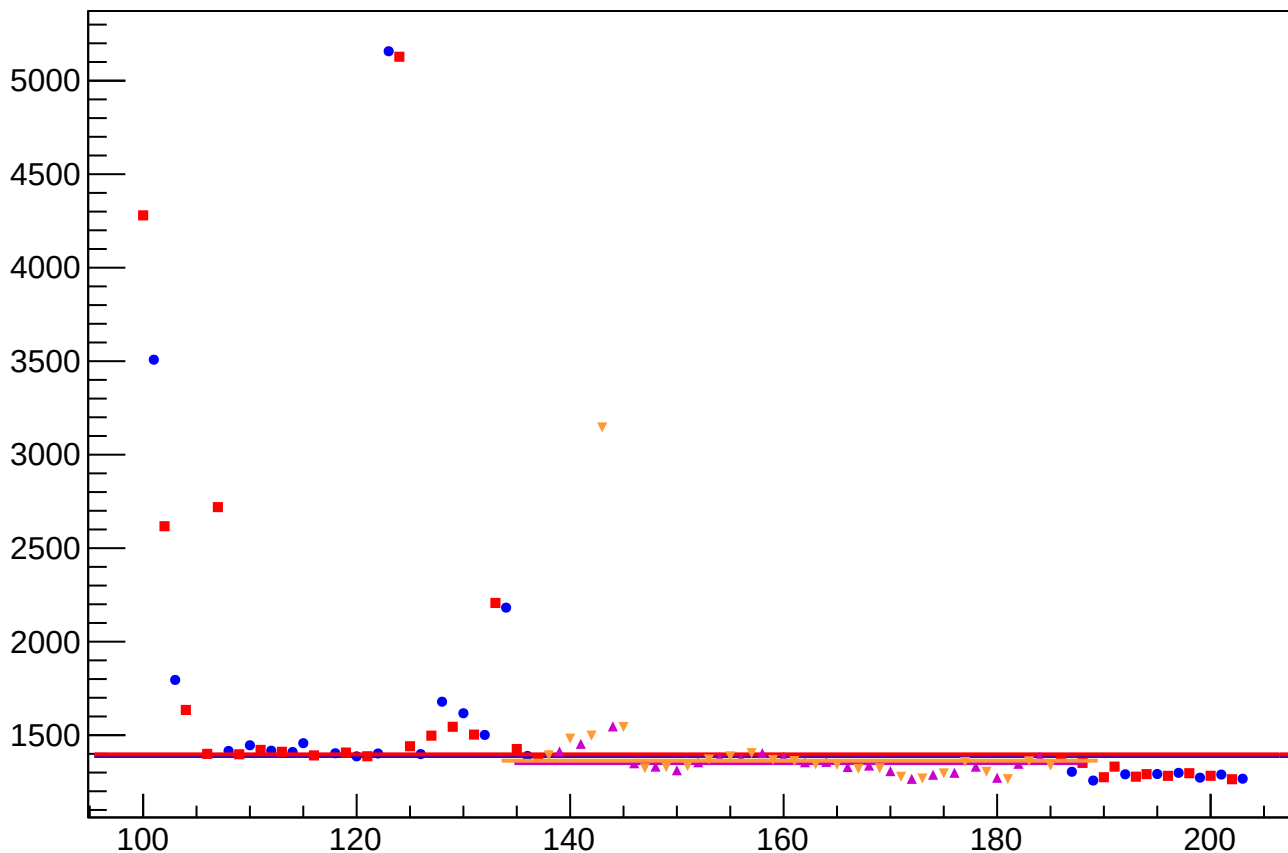
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -529.469+/-251.555 χ^2/NDF : 48.9/49

All: -138.055+/-177.227 χ^2/NDF : 107.9/101

- sign 247.693+/-249.728 χ^2/NDF : 54.2/51

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1389.082 $\pm$ 0.287 χ^2 /NDF: 706439.2/24

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1397.177 $\pm$ 0.277 χ^2 /NDF: 807939.5/28

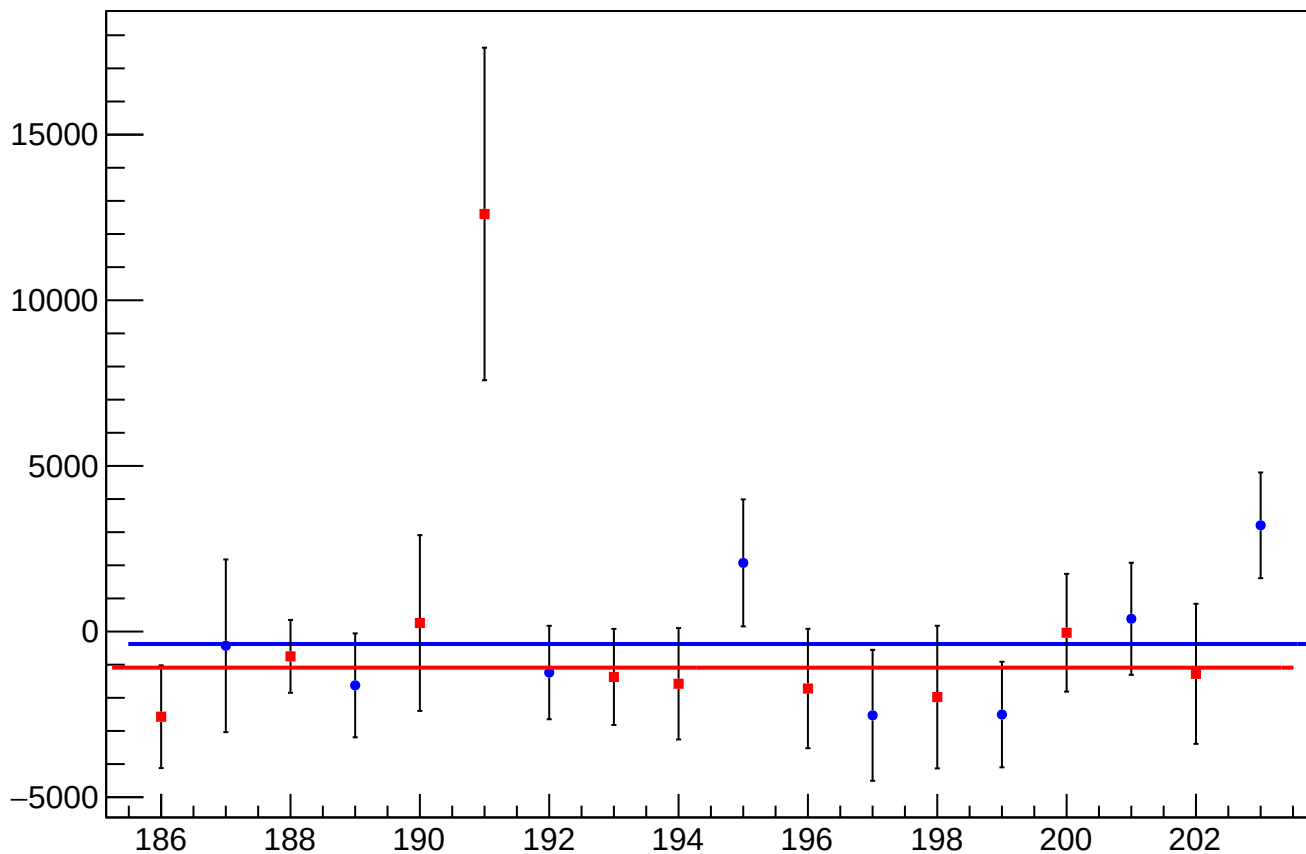
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1373.364 $\pm$ 0.178 χ^2 /NDF: 1286535.8/49

All: 1371.545 $\pm$ 0.125 χ^2 /NDF: 2178400.7/10

- sign 1369.753 $\pm$ 0.177 χ^2 /NDF: 891657.2/51

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -374.869+/-606.181 χ^2/NDF : 10.9/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1089.366+/-548.872 χ^2/NDF : 9.5/9

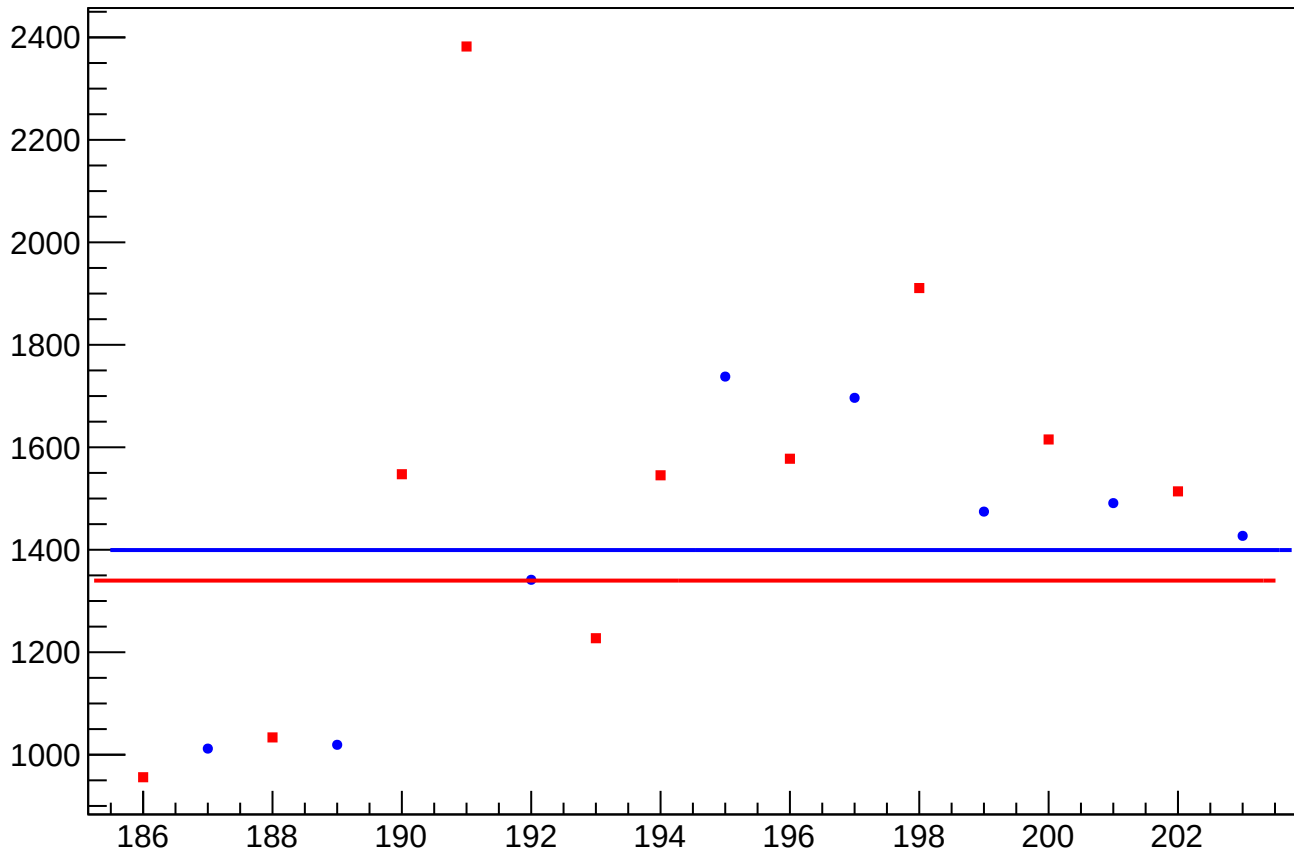
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -767.481+/-406.867 χ^2/NDF : 21.1/17

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1399.431+/-0.429 χ^2/NDF : 283546.7/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1339.845+/-0.388 χ^2/NDF : 655281.9/9

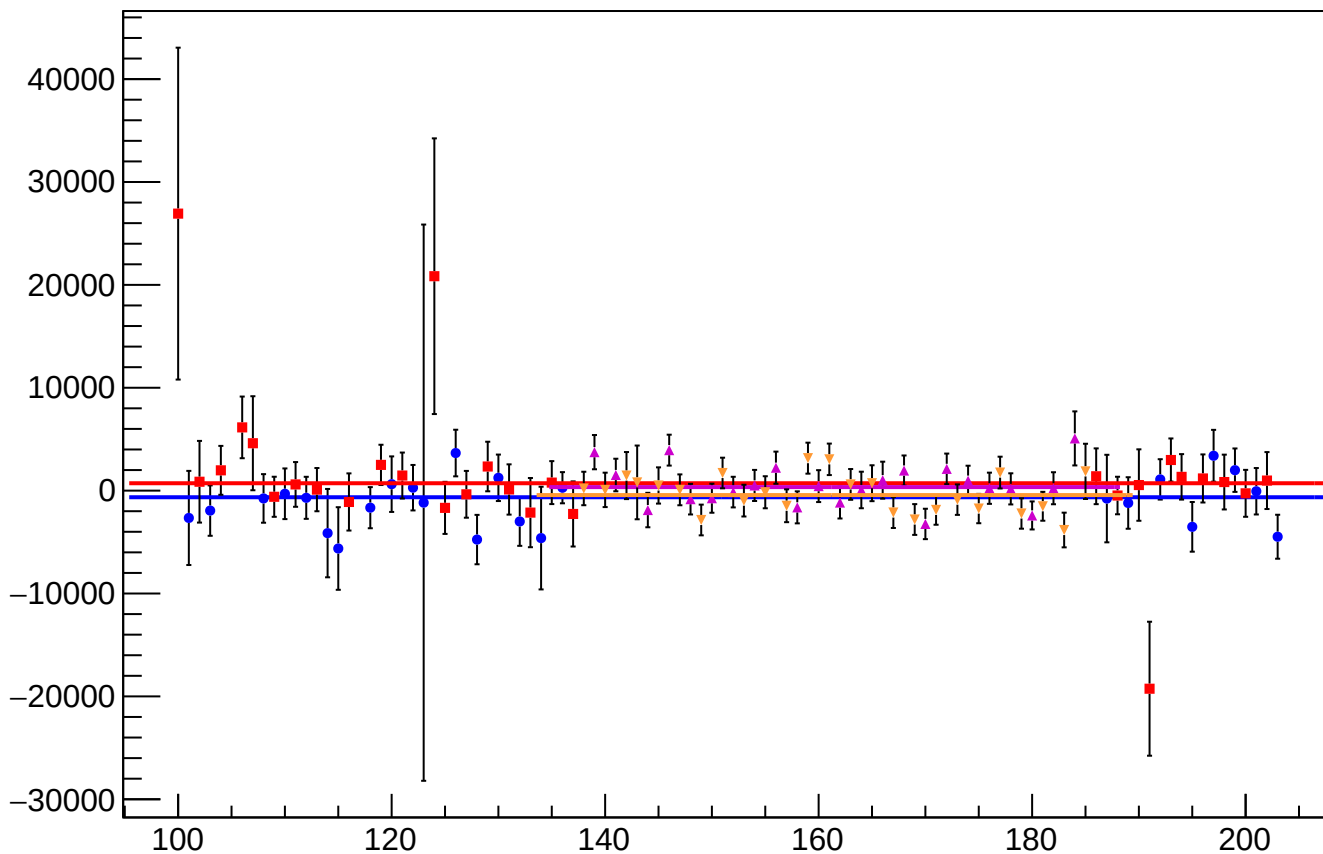
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1366.689+/-0.288 χ^2/NDF : 949447.7/17

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -642.467 $\pm$ 489.680 χ^2/NDF : 22.2/24

Left Out: -431.715 $\pm$ 320.540 χ^2/NDF : 33.1/24

Right Out: 718.576 $\pm$ 475.039 χ^2/NDF : 25.7/28

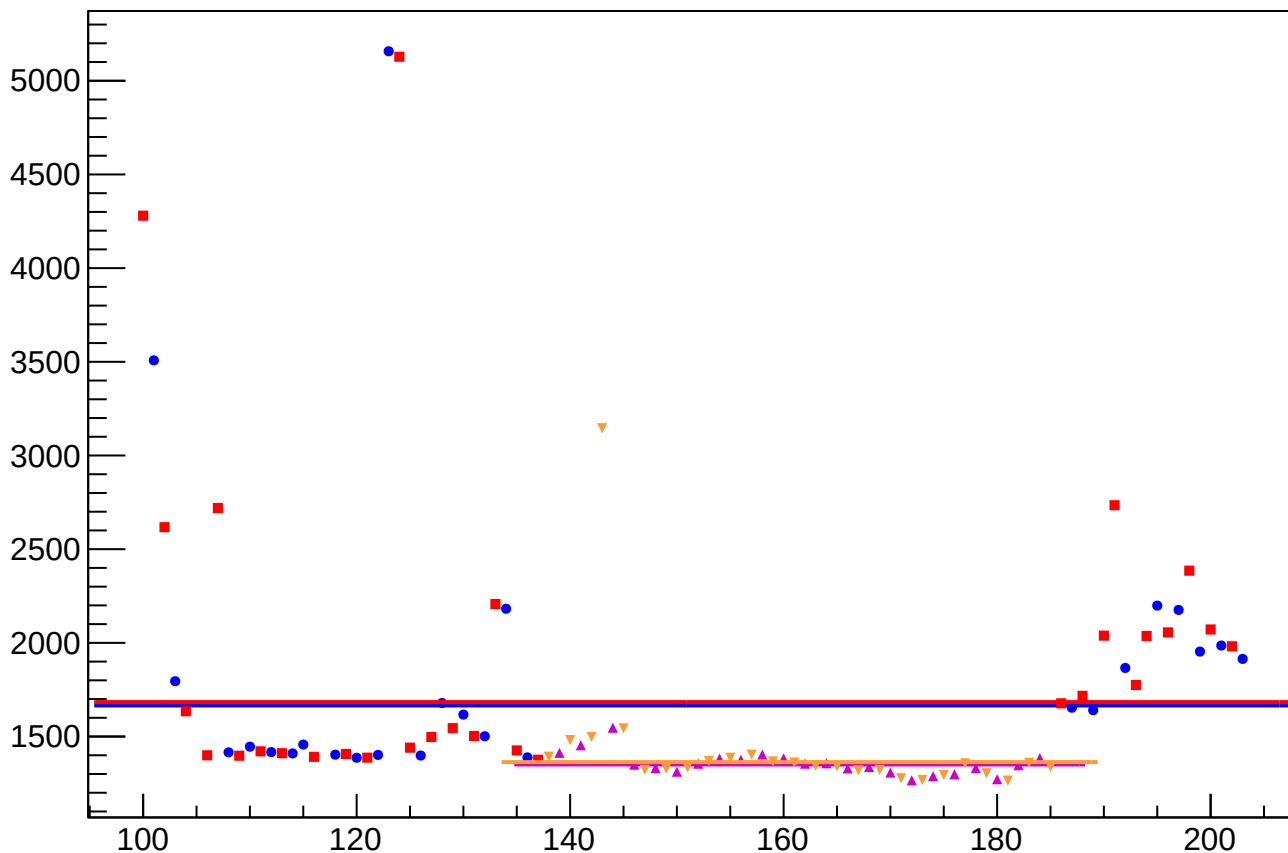
Left In: 343.737 $\pm$ 324.368 χ^2/NDF : 33.8/22

+ sign -494.932 $\pm$ 268.191 χ^2/NDF : 55.4/49

All: -15.439 $\pm$ 189.528 χ^2/NDF : 121.7/101

- sign 462.931 $\pm$ 267.876 χ^2/NDF : 59.9/51

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1666.091+/-0.346 χ^2/NDF : 959811.8/24

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1683.917+/-0.336 χ^2/NDF : 1165602.6/28

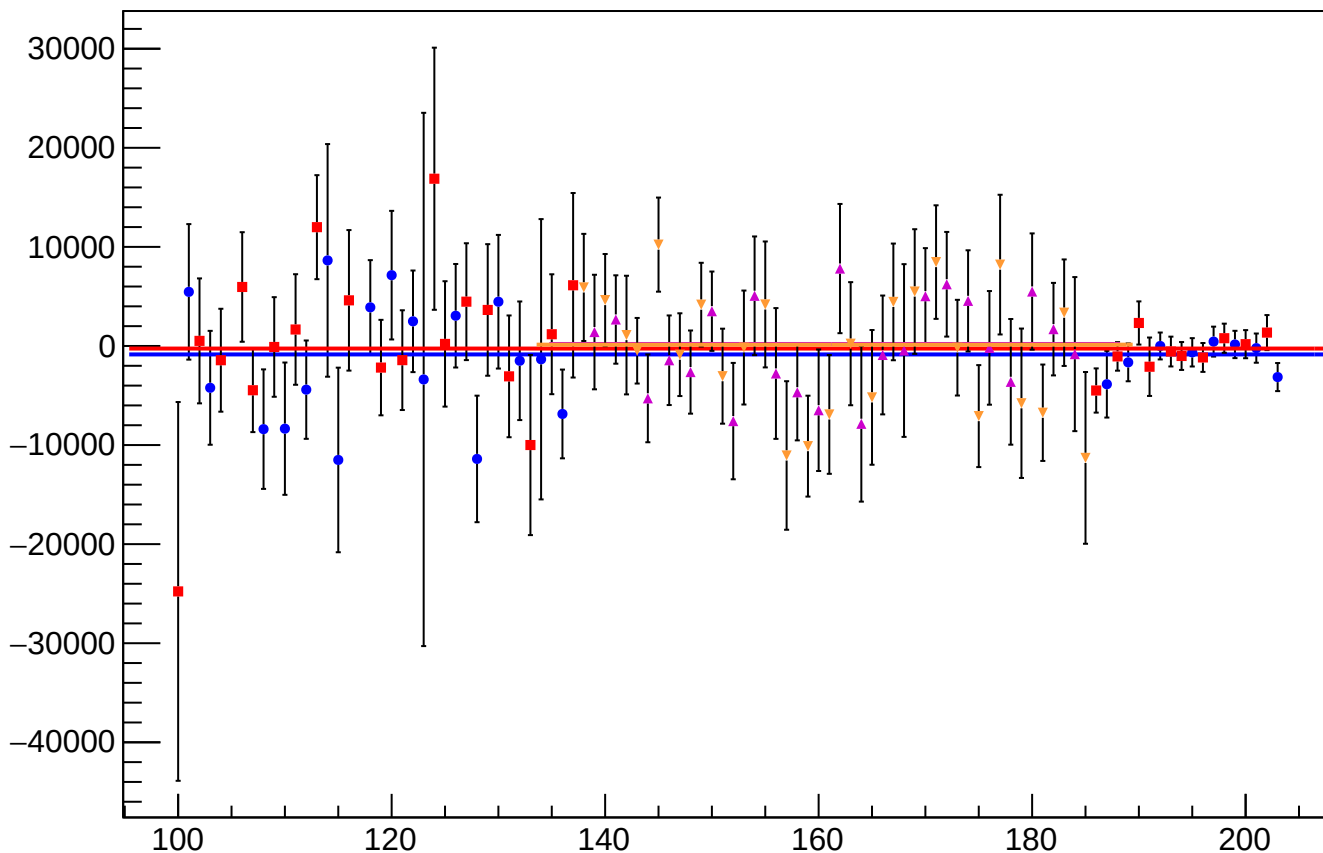
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1454.308+/-0.190 χ^2/NDF : 2069437.2/49

All: 1455.557+/-0.134 χ^2/NDF : 3972579.0/10

- sign 1456.802+/-0.189 χ^2/NDF : 1903055.2/51

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -853.566 ± 516.284 χ^2/NDF : 20.6/24

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -261.708 ± 486.227 χ^2/NDF : 22.6/28

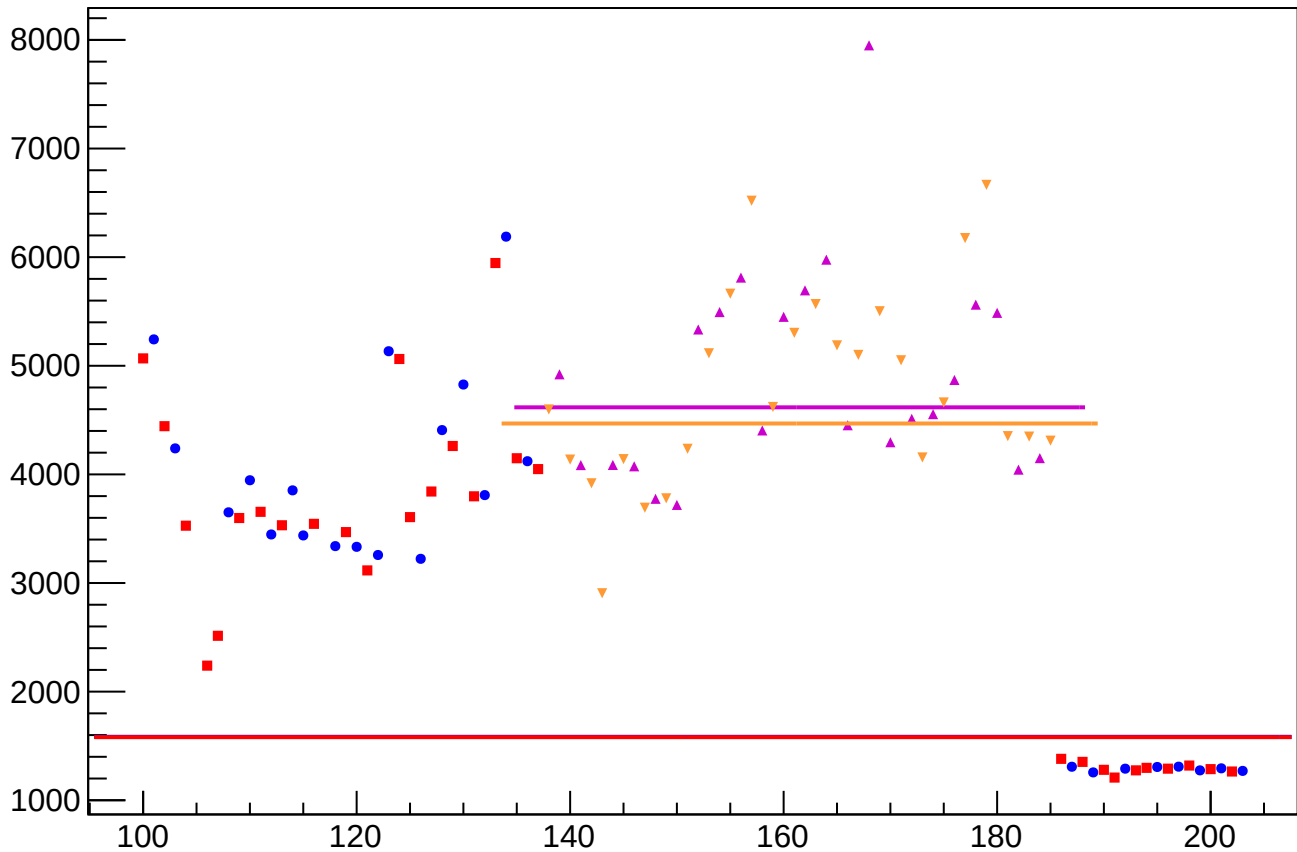
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -666.154 ± 464.618 χ^2/NDF : 49.4/49

All: -417.867 ± 321.837 χ^2/NDF : 87.5/101

- sign -188.844 ± 446.230 χ^2/NDF : 37.5/51

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1583.900+/-0.365 χ^2/NDF : 5350152.6/24

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 1580.861+/-0.343 χ^2/NDF : 5193433.2/28

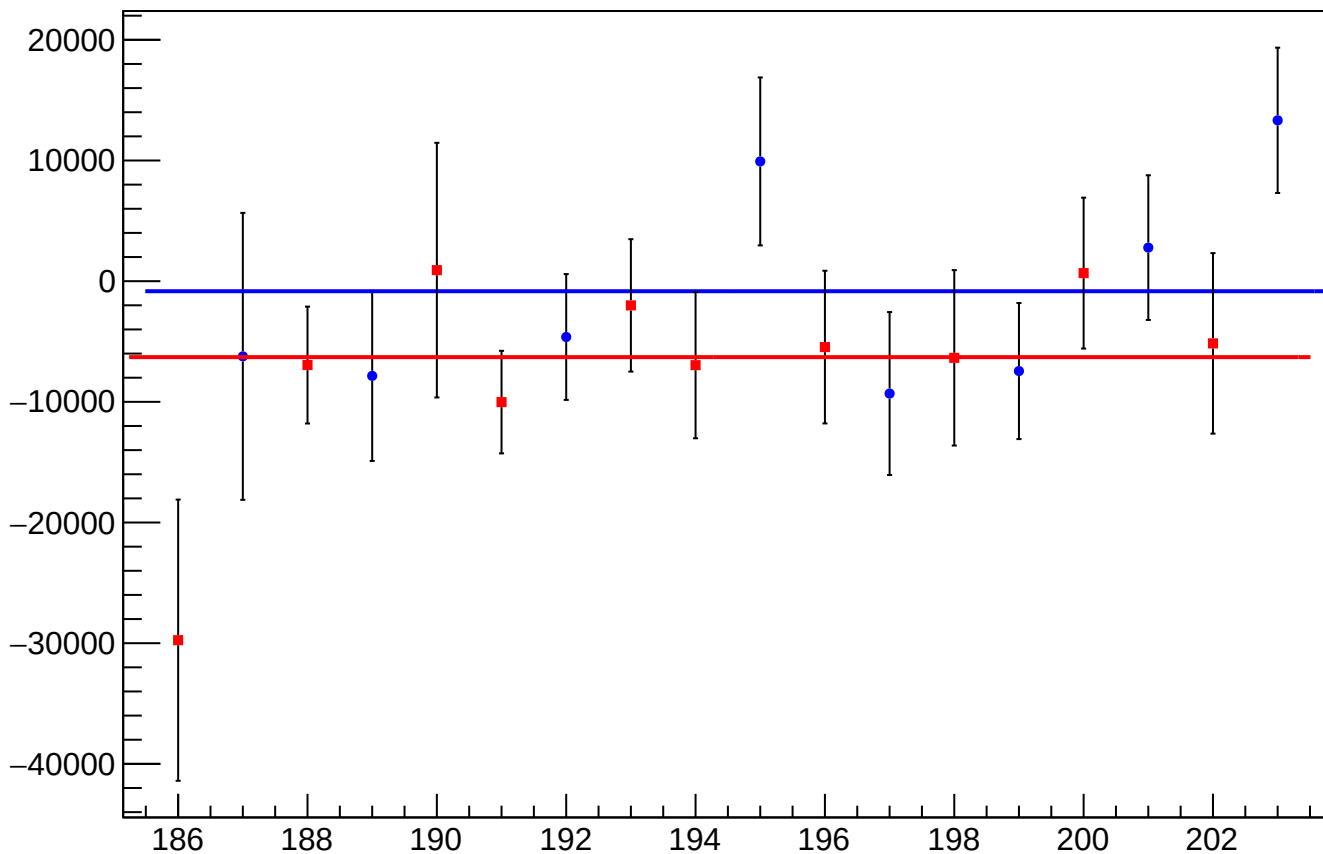
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 2132.350+/-0.329 χ^2/NDF : 18601585.5/49

All: 2094.128+/-0.227 χ^2/NDF : 37129209.4/1

- sign 2058.939+/-0.315 χ^2/NDF : 18501627.4/51

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -832.564+/-2273.541 χ^2/NDF : 13.0/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -6294.134+/-1952.945 χ^2/NDF : 7.2/9

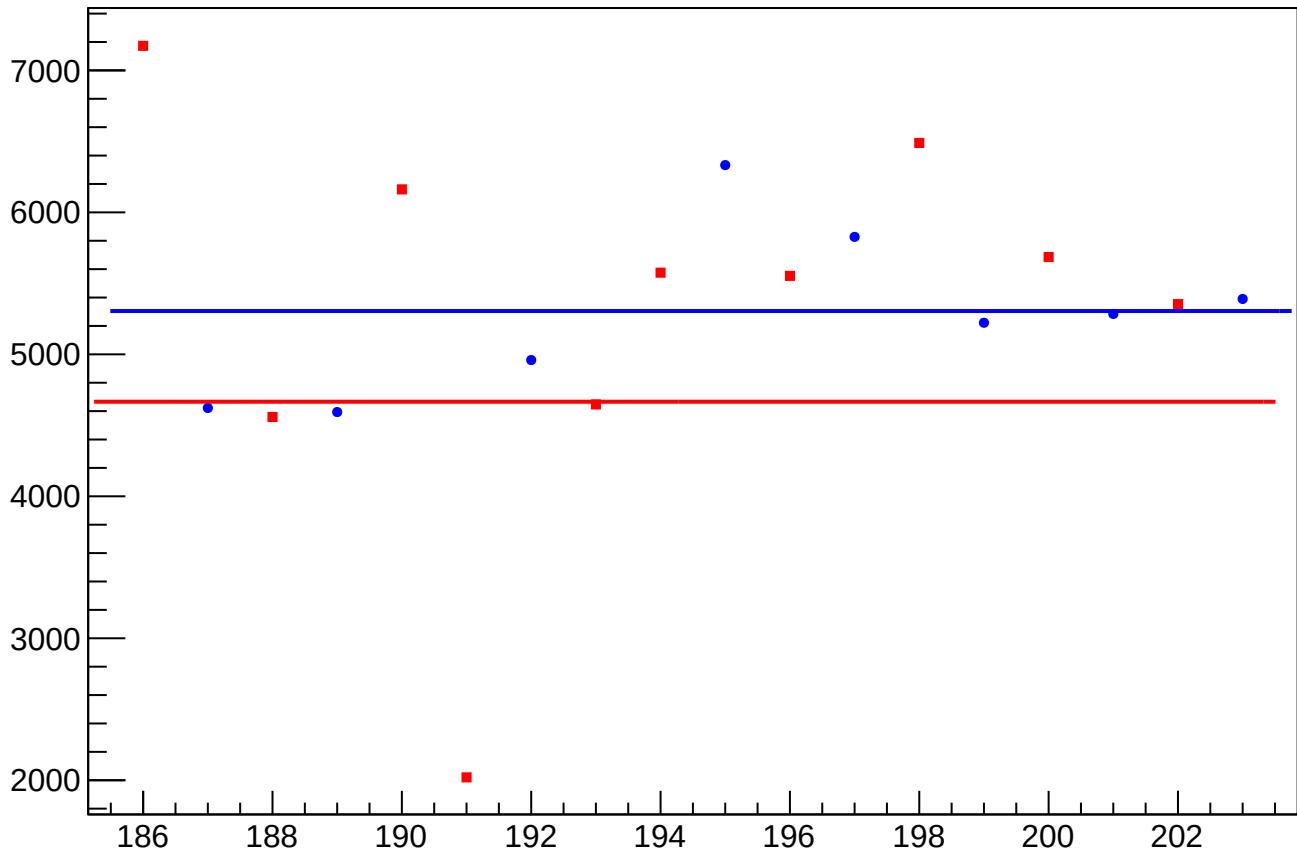
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -3975.261+/-1481.435 χ^2/NDF : 23.5/17

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5304.962 $\pm$ 1.608 χ^2 /NDF: 92227.8/7

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

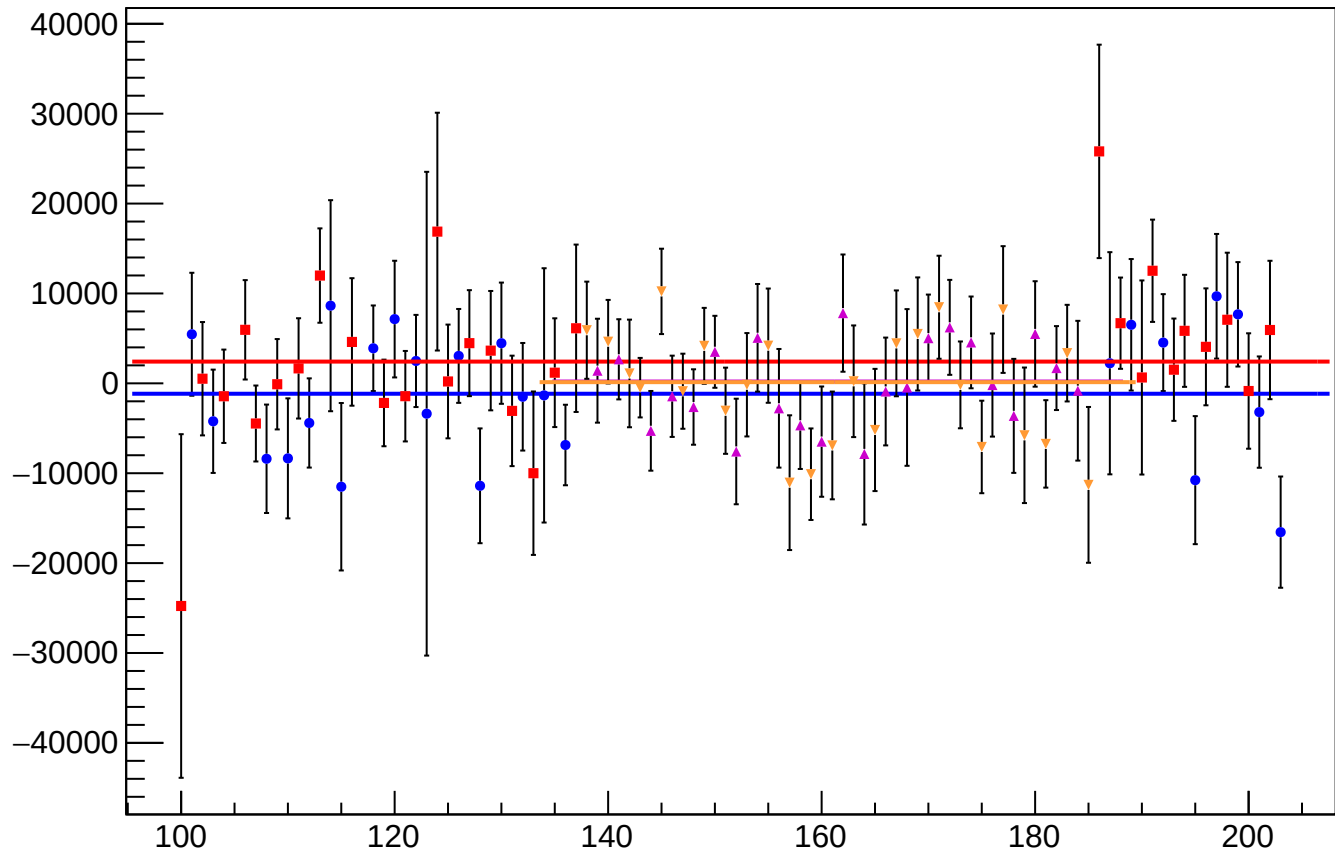
Right Out: 4666.123 $\pm$ 1.381 χ^2 /NDF: 1189146.7/9

All: 4937.361 $\pm$ 1.048 χ^2 /NDF: 1372238.3/17

- 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_dd_atr_dd_avg_mean vs Slug



Right In: -1157.901 ± 1274.005 χ^2/NDF : 30.2/24

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: 2418.862 ± 1155.935 χ^2/NDF : 24.3/28

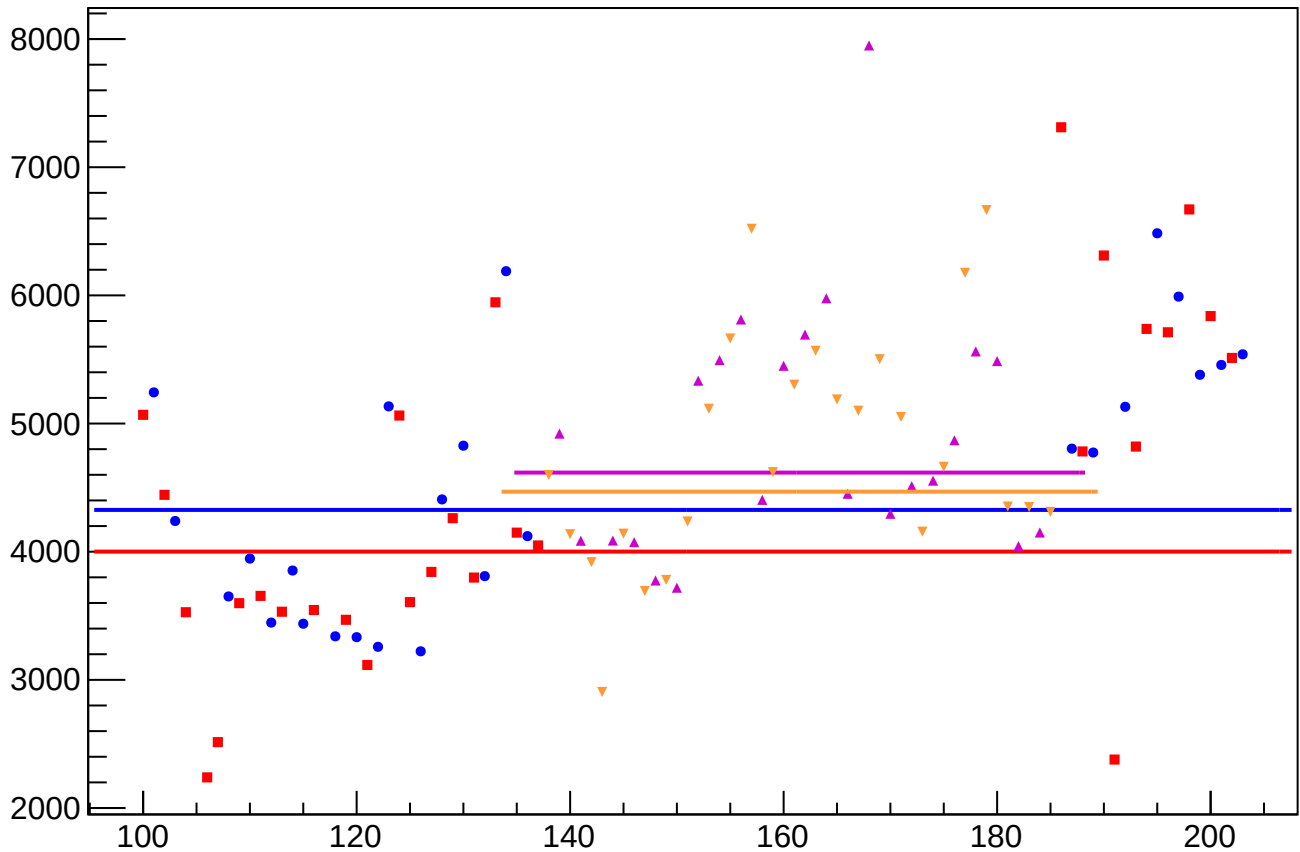
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -398.837 ± 817.350 χ^2/NDF : 58.9/49

All: 451.639 ± 573.775 χ^2/NDF : 101.9/101

- sign 1277.957 ± 805.657 χ^2/NDF : 40.9/51

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4326.069 $\pm$ 0.901 χ^2/NDF : 1091285.7/24

Left Out: 4468.520 $\pm$ 0.753 χ^2/NDF : 1380601.0/24

Right Out: 4000.752 $\pm$ 0.812 χ^2/NDF : 2084108.0/28

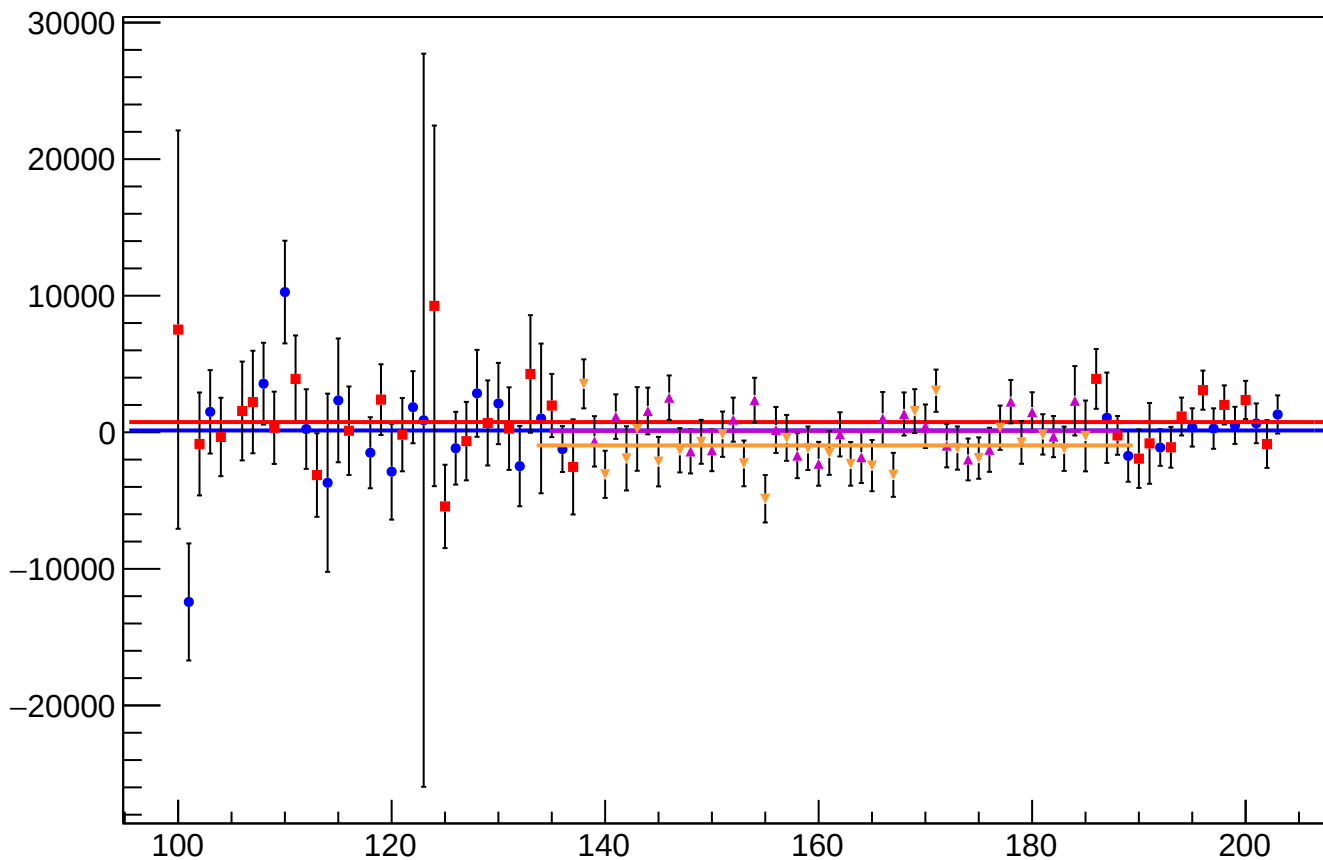
Left In: 4617.293 $\pm$ 0.794 χ^2/NDF : 999599.8/22

+ sign 4409.886 $\pm$ 0.578 χ^2/NDF : 2486599.6/49

All: 4362.024 $\pm$ 0.405 χ^2/NDF : 5878301.8/10

- sign 4315.812 $\pm$ 0.568 χ^2/NDF : 3378222.4/51

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 133.367+/-439.440 χ^2/NDF : 25.2/24

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 748.671+/-420.224 χ^2/NDF : 22.2/28

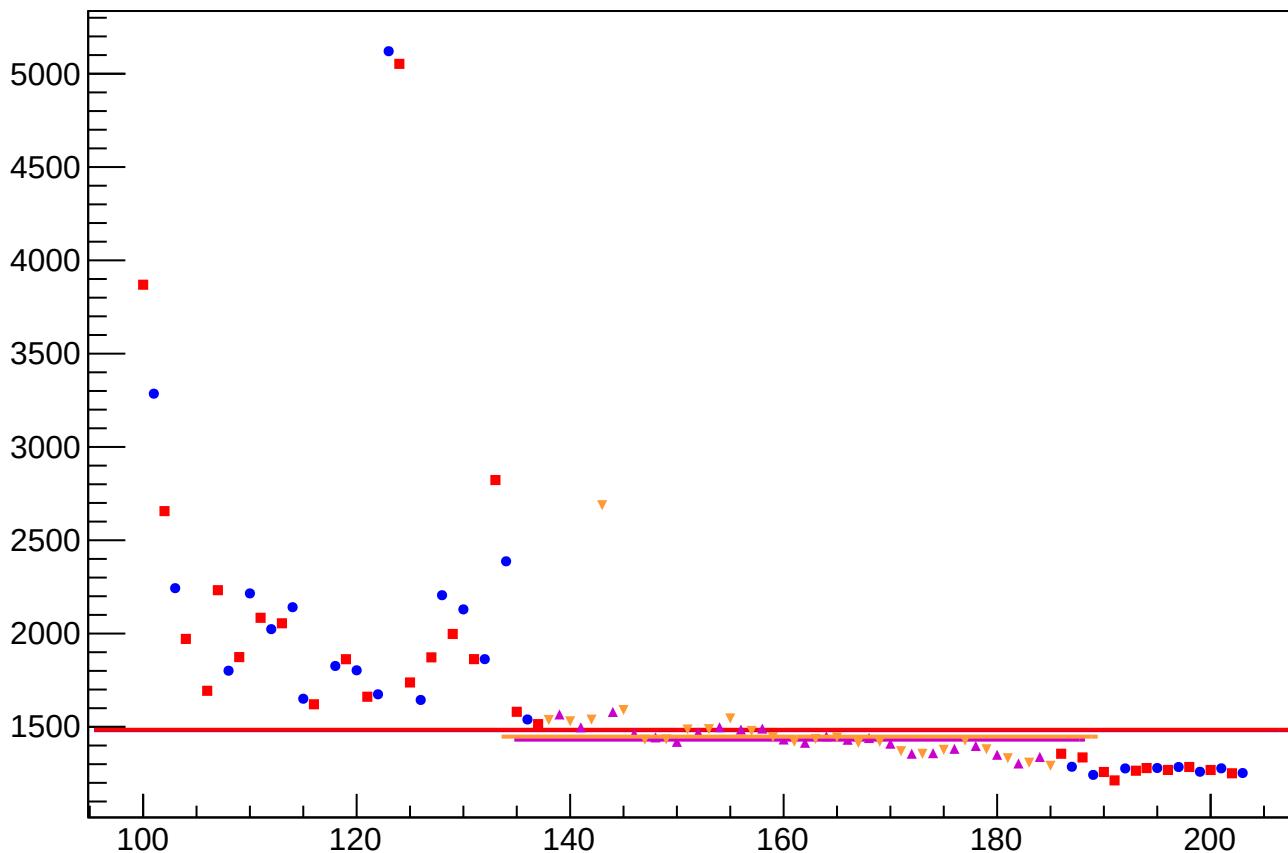
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -550.336+/-268.659 χ^2/NDF : 57.6/49

All: -88.433+/-189.034 χ^2/NDF : 106.5/101

- sign 364.470+/-266.029 χ^2/NDF : 43.0/51

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1482.274 $\pm$ 0.311 χ^2 /NDF: 1374195.4/24

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1484.297 $\pm$ 0.297 χ^2 /NDF: 1430308.5/28

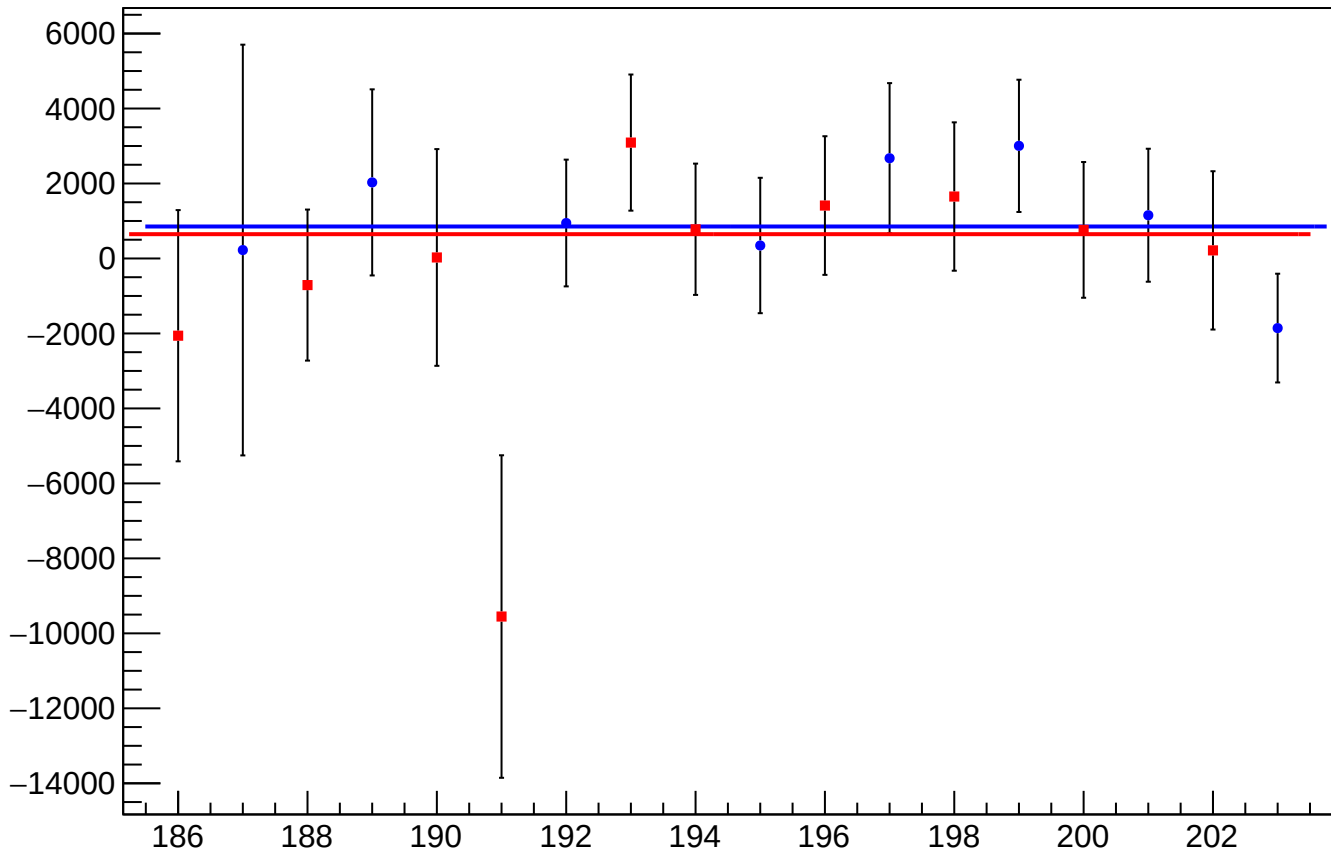
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1460.532 $\pm$ 0.190 χ^2 /NDF: 1801268.5/49

All: 1456.543 $\pm$ 0.134 χ^2 /NDF: 3326530.2/10

- sign 1452.633 $\pm$ 0.188 χ^2 /NDF: 1524388.7/51

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 852.903 $\pm$ 671.747 χ^2 /NDF: 6.2/7

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 648.055 $\pm$ 671.784 χ^2 /NDF: 9.1/9

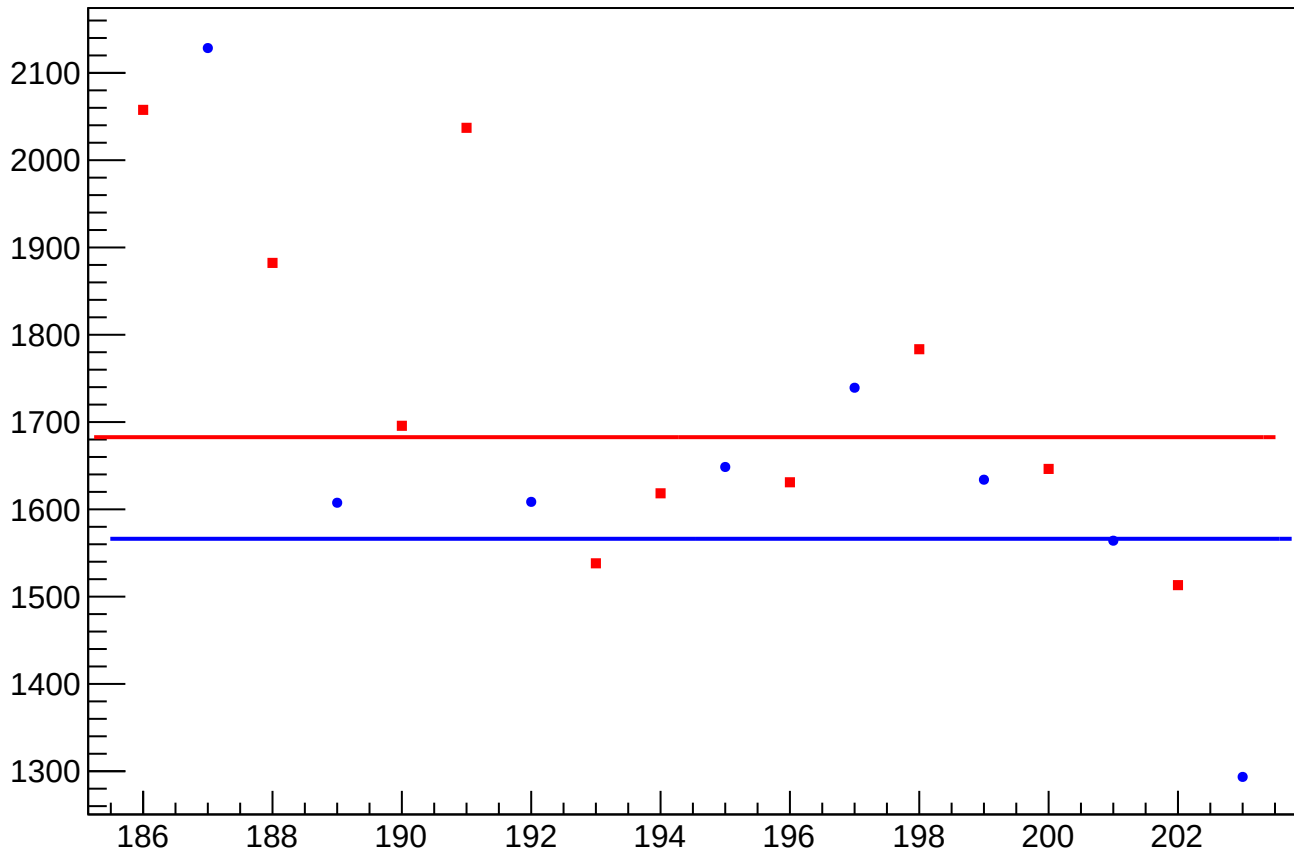
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 750.485 $\pm$ 475.010 χ^2 /NDF: 15.3/17

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1566.274+/-0.475 χ^2/NDF : 115645.2/7

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 1682.685+/-0.475 χ^2/NDF : 94109.6/9

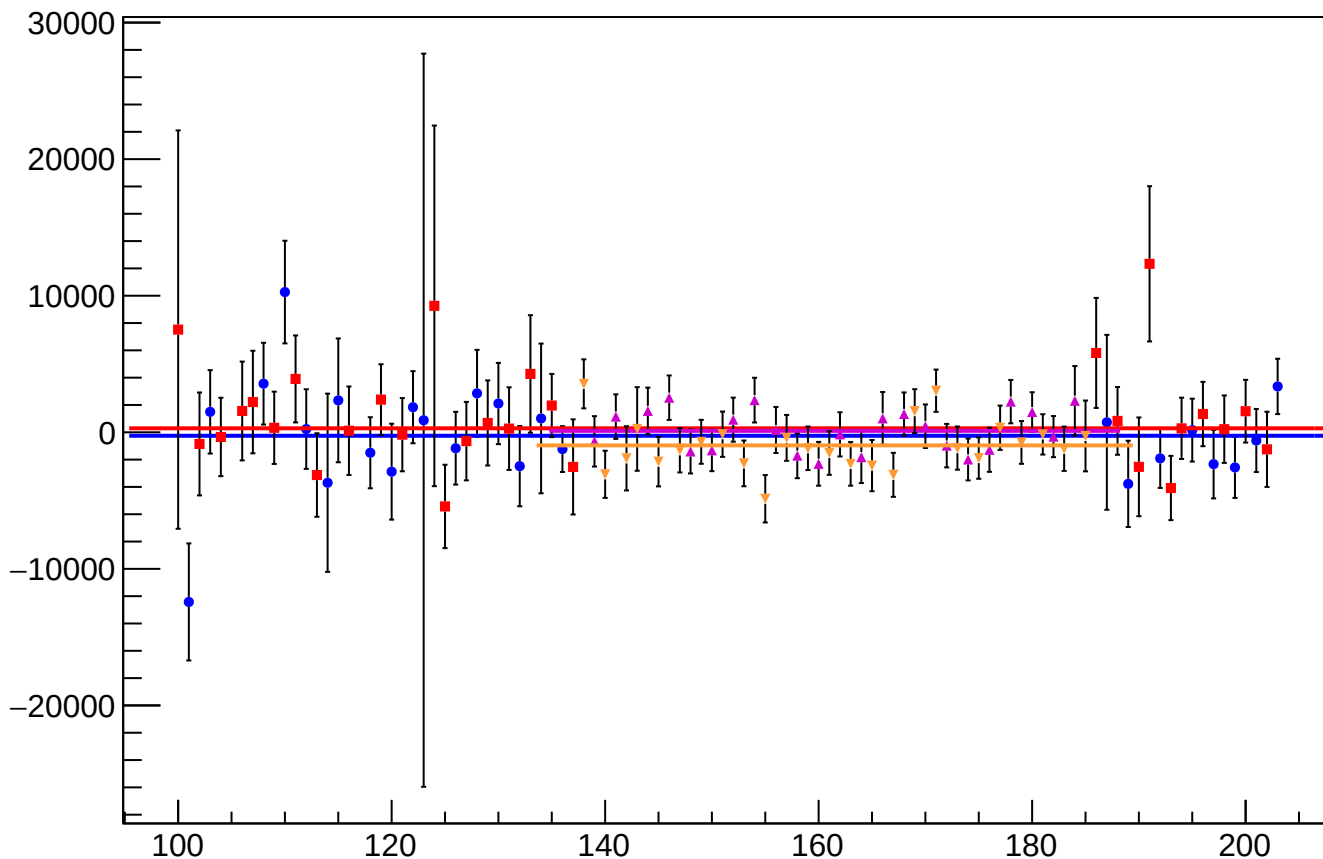
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1624.476+/-0.336 χ^2/NDF : 239784.6/17

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -254.026+/-569.640 χ^2/NDF : 29.4/24

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 291.347+/-557.087 χ^2/NDF : 21.4/28

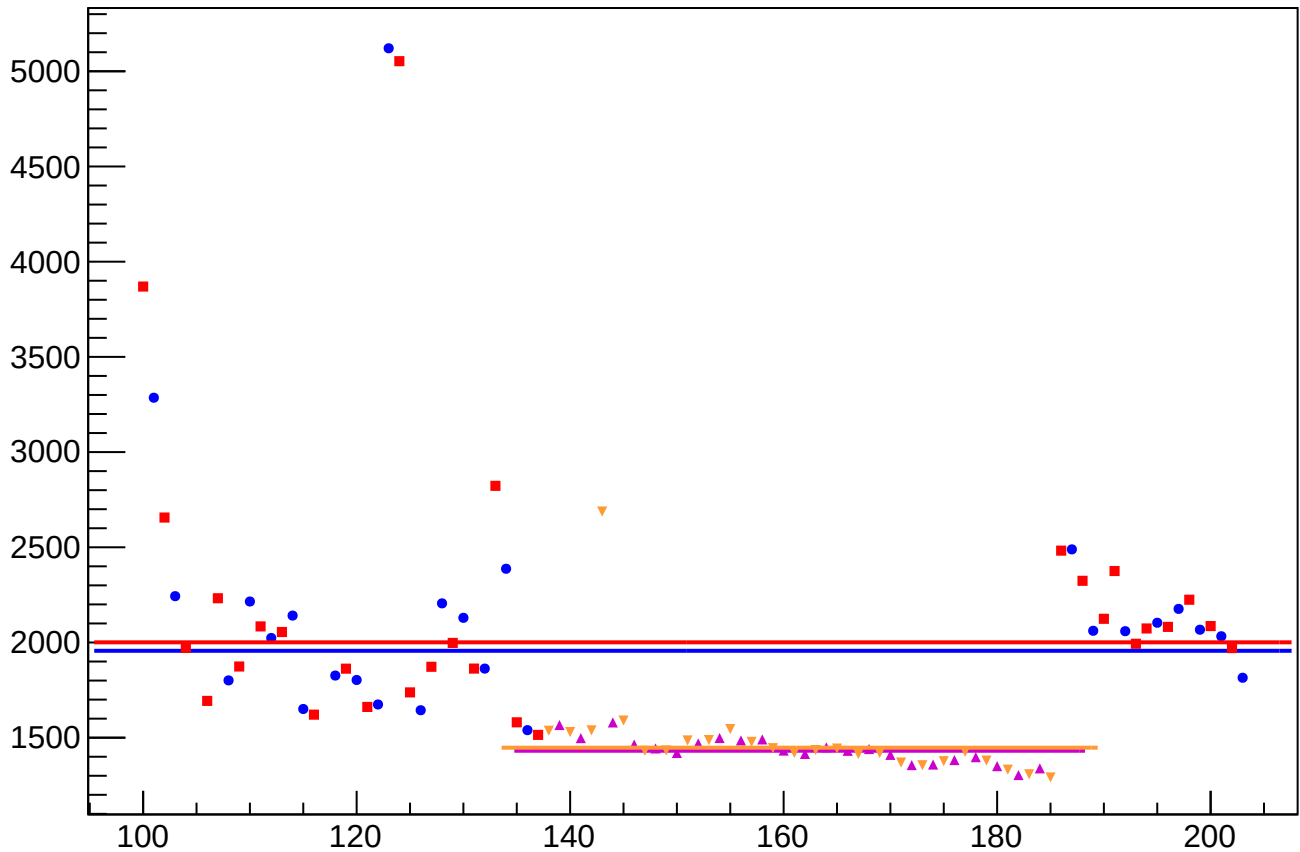
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -773.791+/-291.631 χ^2/NDF : 59.1/49

All: -309.166+/-206.516 χ^2/NDF : 105.1/101

- sign 158.187+/-292.486 χ^2/NDF : 41.0/51

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1956.372 $\pm$ 0.403 χ^2 /NDF: 541325.3/24

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 2000.875 $\pm$ 0.394 χ^2 /NDF: 592680.3/28

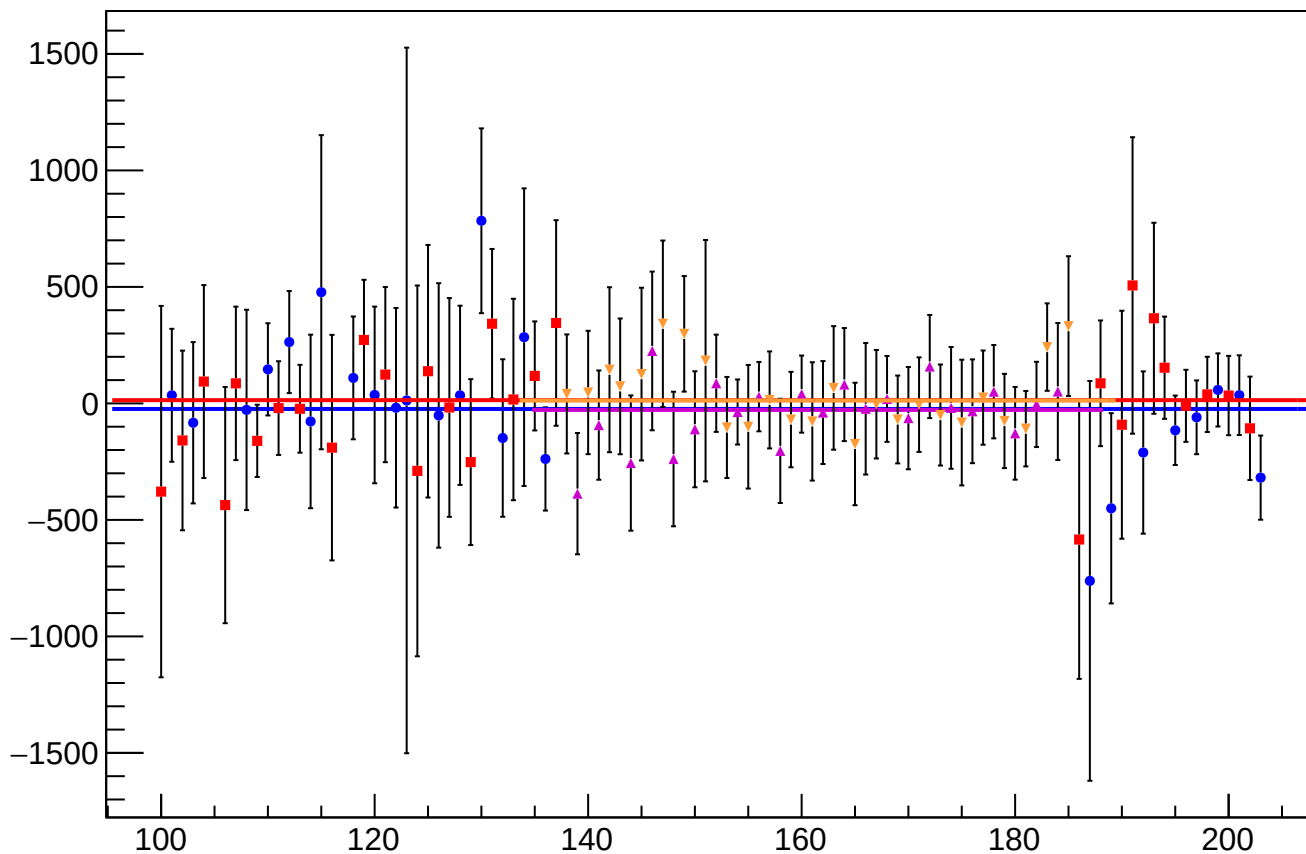
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1580.916 $\pm$ 0.206 χ^2 /NDF: 2138058.9/49

All: 1584.657 $\pm$ 0.146 χ^2 /NDF: 4320090.4/100

- sign 1588.420 $\pm$ 0.207 χ^2 /NDF: 2181371.3/51

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -23.798 ± 52.496 χ^2/NDF : 14.5/24

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 13.896 ± 50.709 χ^2/NDF : 9.7/28

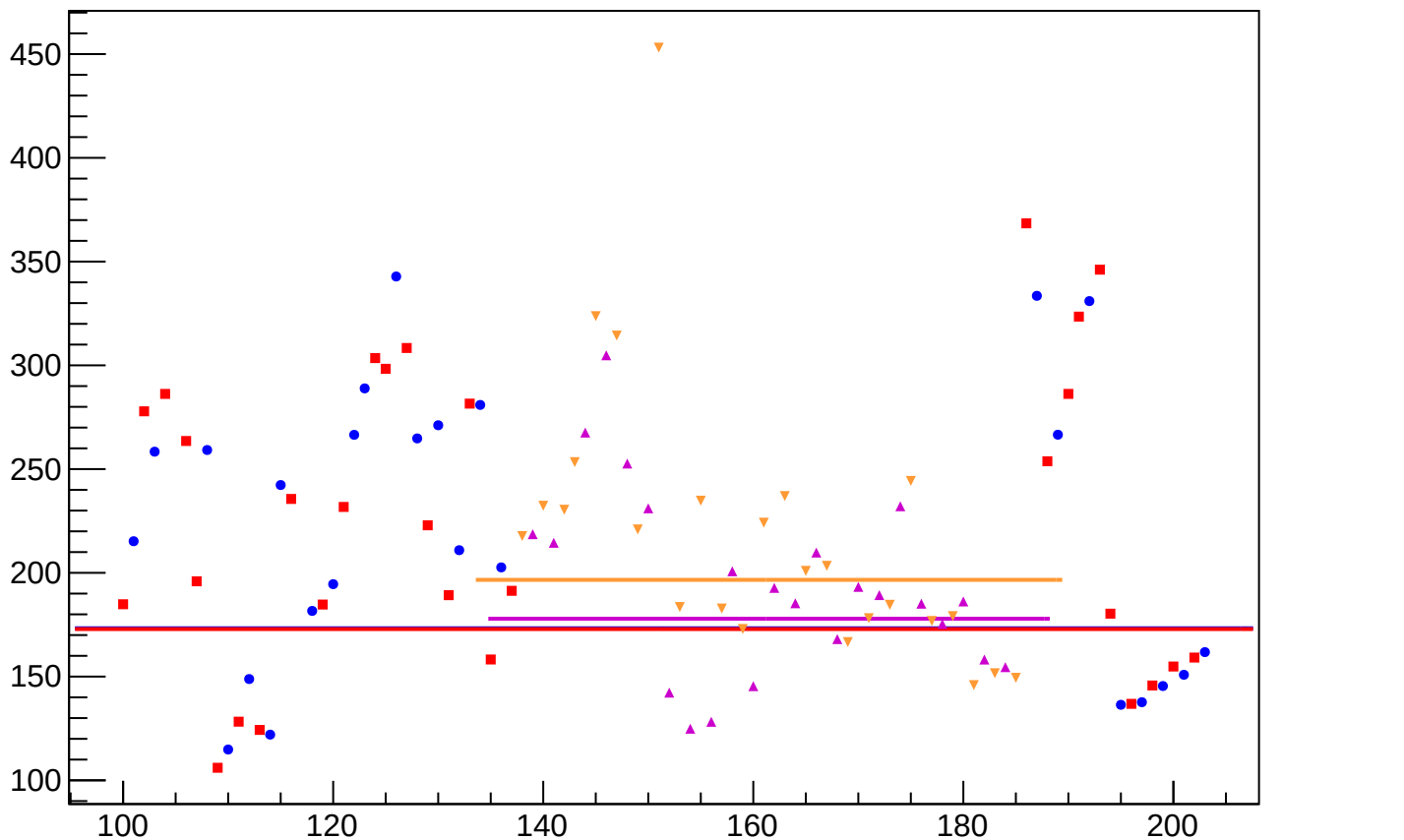
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign -3.770 ± 35.216 χ^2/NDF : 22.4/49

All: -6.896 ± 24.256 χ^2/NDF : 39.0/101

- sign -9.717 ± 33.457 χ^2/NDF : 16.6/51

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.287 $\pm$ 0.037 χ^2 /NDF: 2060406.4/24

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 172.911 $\pm$ 0.036 χ^2 /NDF: 2739951.9/28

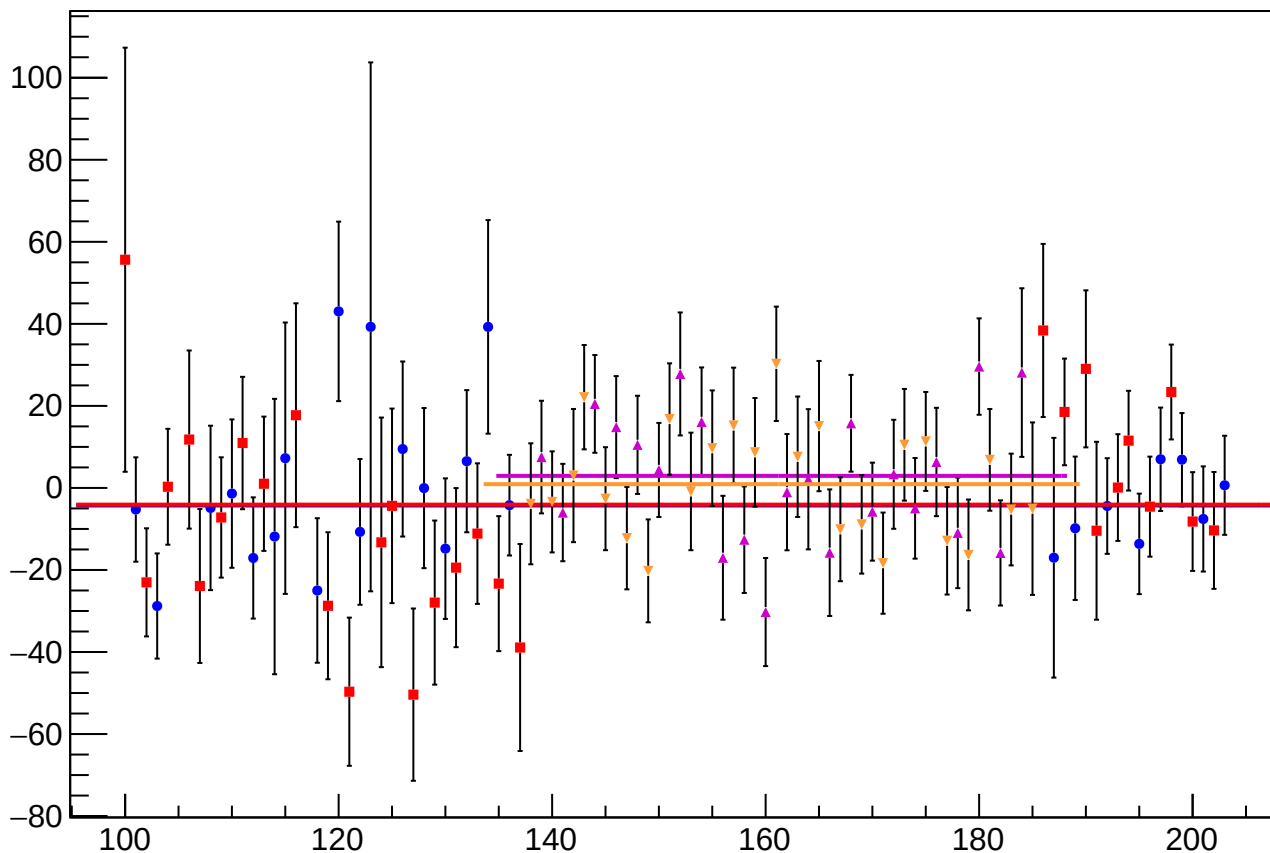
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 186.119 $\pm$ 0.025 χ^2 /NDF: 4071215.6/49

All: 180.651 $\pm$ 0.017 χ^2 /NDF: 8557833.0/100

- sign 175.716 $\pm$ 0.024 χ^2 /NDF: 4394872.2/51

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.271 ± 3.194 χ^2/NDF : 18.2/24

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -4.072 ± 3.064 χ^2/NDF : 43.4/28

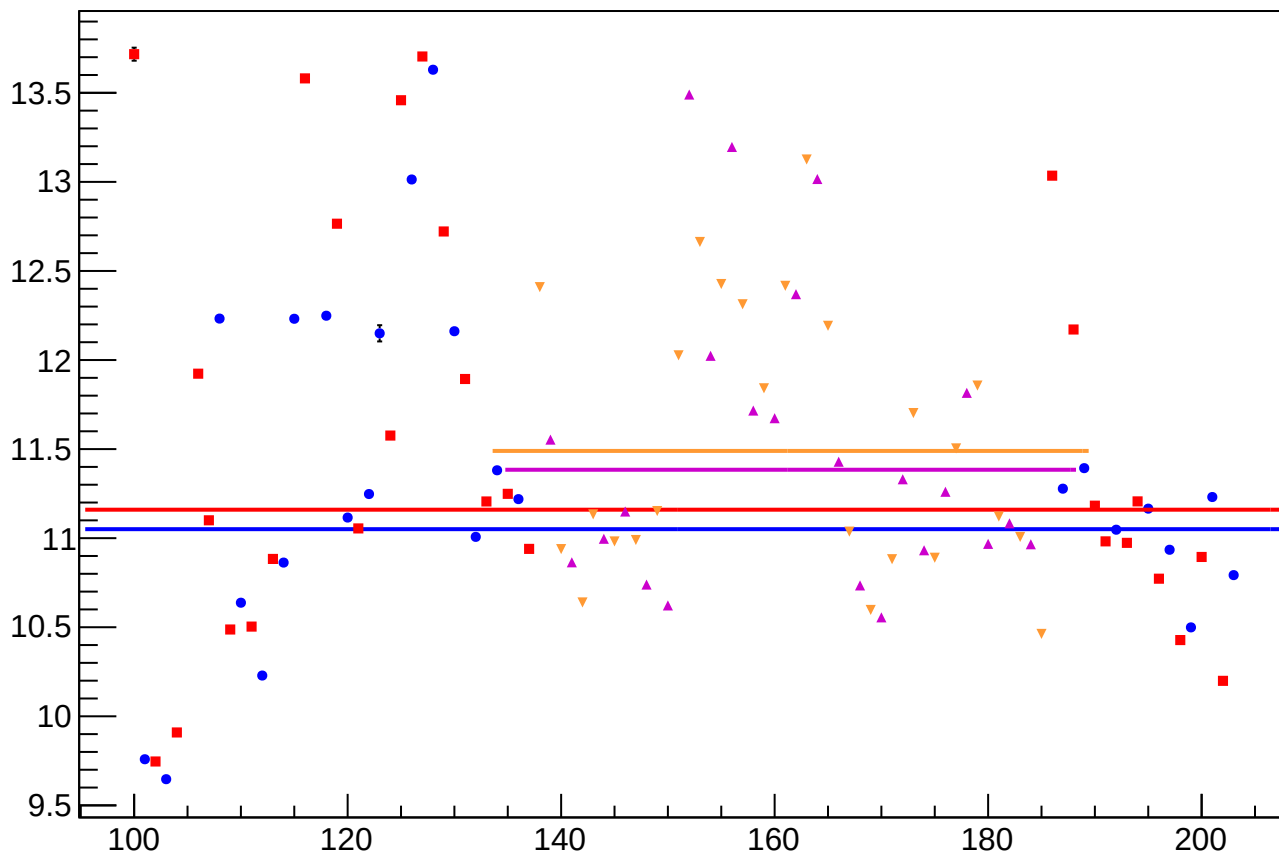
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.240 ± 2.060 χ^2/NDF : 43.7/49

All: -0.707 ± 1.451 χ^2/NDF : 121.1/101

- sign -0.181 ± 2.044 χ^2/NDF : 77.3/51

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.050 $\pm$ 0.002 χ^2 /NDF: 139679.4/24

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.160 $\pm$ 0.002 χ^2 /NDF: 198385.7/28

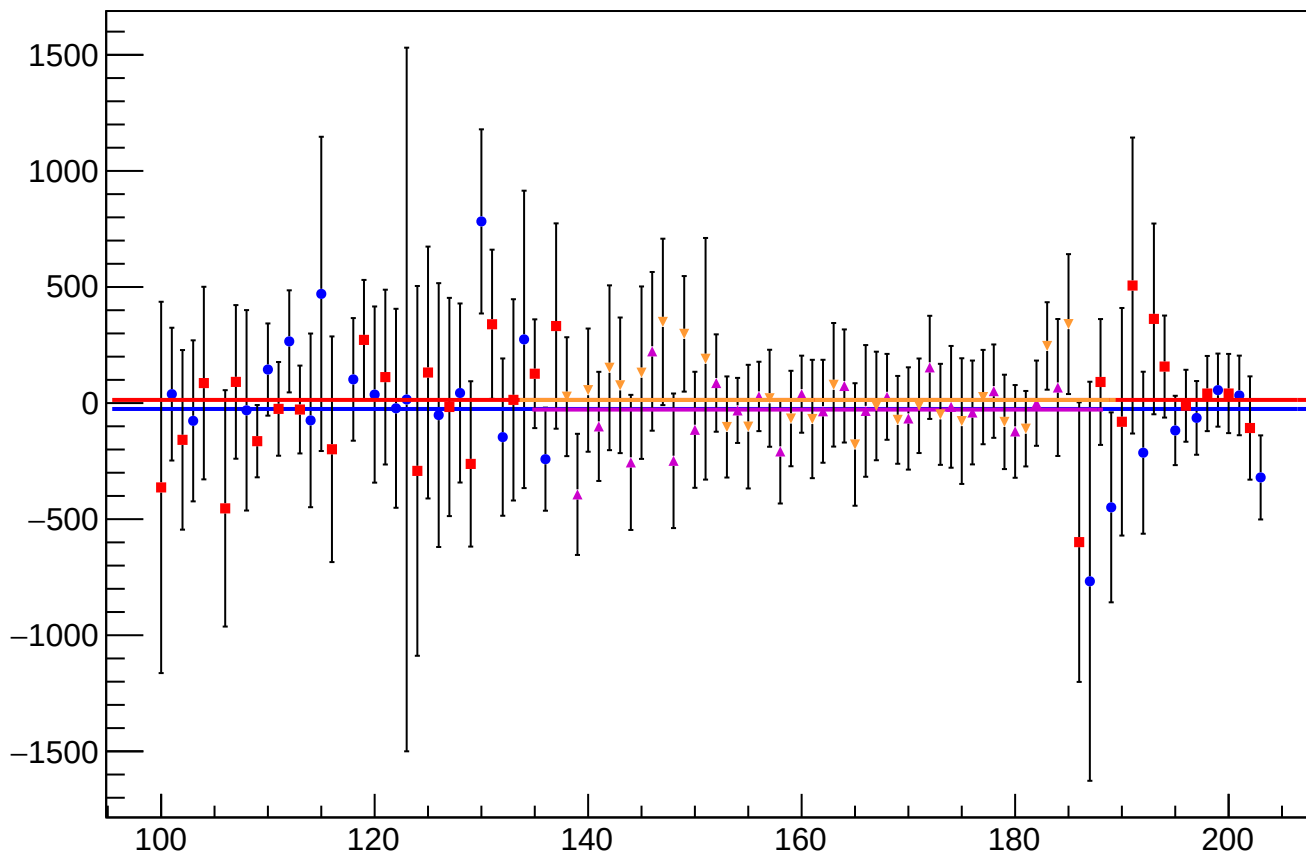
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.307 $\pm$ 0.001 χ^2 /NDF: 294168.3/49

All: 11.296 $\pm$ 0.001 χ^2 /NDF: 648420.6/101

- sign 11.284 $\pm$ 0.001 χ^2 /NDF: 354129.4/51

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -25.367 ± 52.633 χ^2/NDF : 14.4/24

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 13.651 ± 50.849 χ^2/NDF : 9.8/28

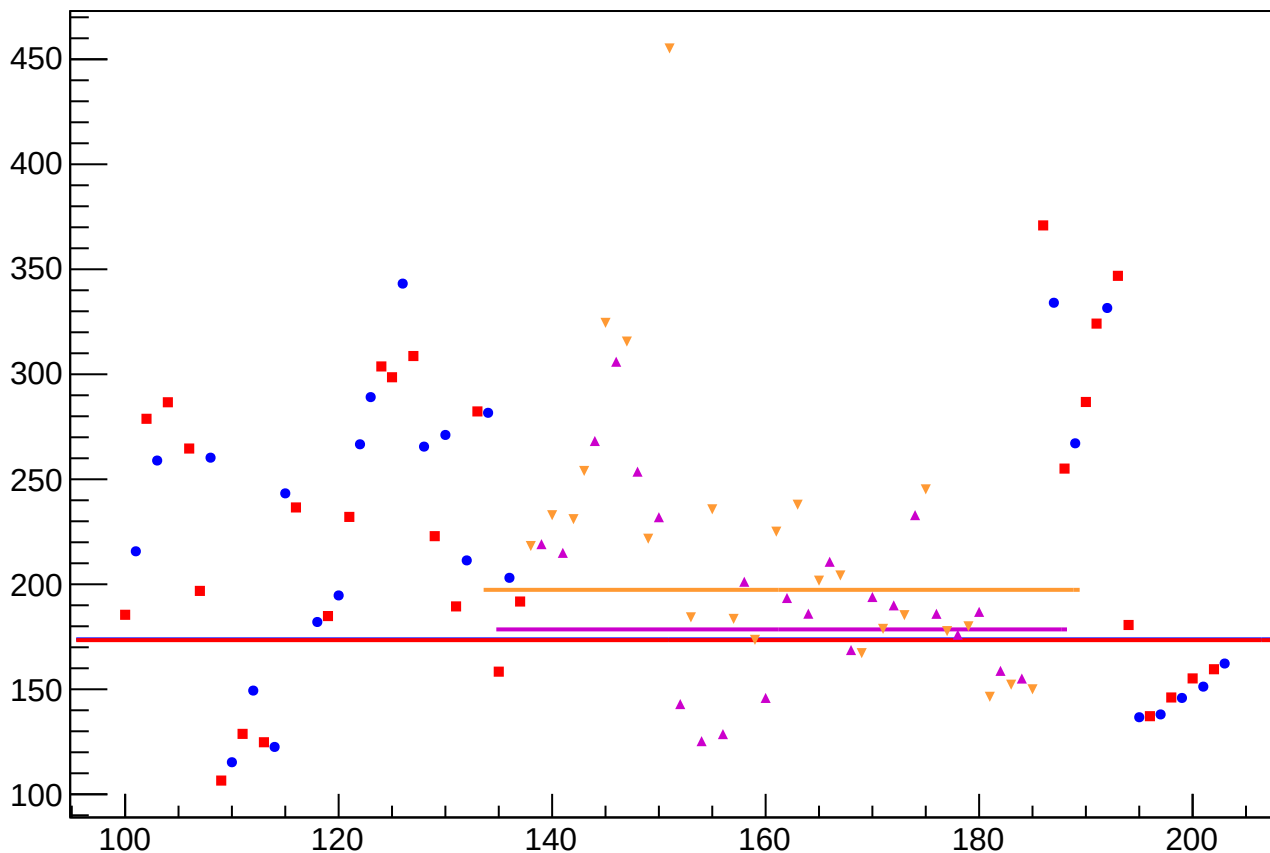
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -4.109 ± 35.329 χ^2/NDF : 22.6/49

All: -7.142 ± 24.334 χ^2/NDF : 39.5/101

- sign -9.880 ± 33.564 χ^2/NDF : 16.9/51

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 173.761 $\pm$ 0.037 χ^2 /NDF: 2054988.7/24

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF:1790824.5/24

Right Out: 173.401 $\pm$ 0.036 χ^2 /NDF: 2735896.7/28

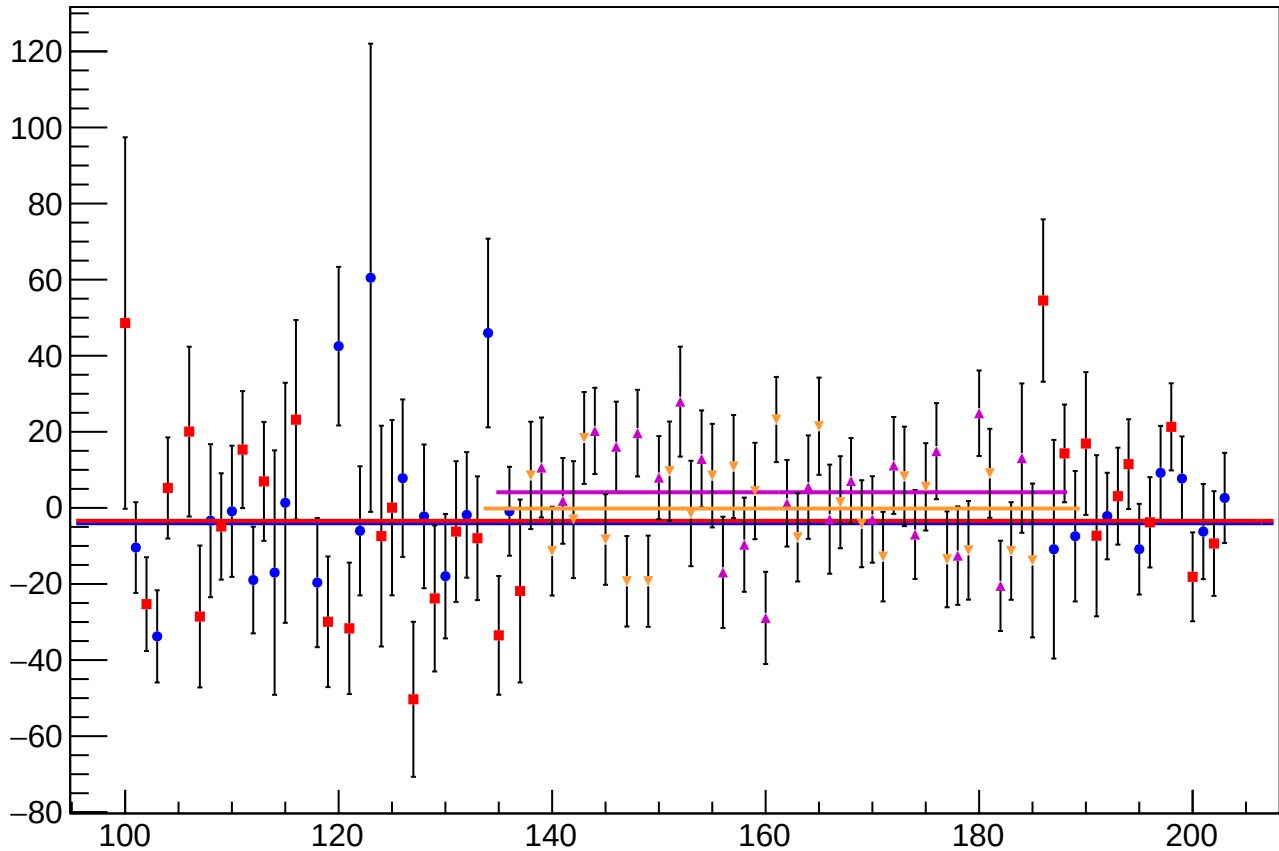
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 186.725 $\pm$ 0.025 χ^2 /NDF: 4066636.5/49

All: 181.238 $\pm$ 0.017 χ^2 /NDF: 8548020.9/100

- sign 176.285 $\pm$ 0.024 χ^2 /NDF: 4389601.2/51

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -4.025 ± 3.081 χ^2/NDF : 22.9/24

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -3.410 ± 2.963 χ^2/NDF : 45.3/28

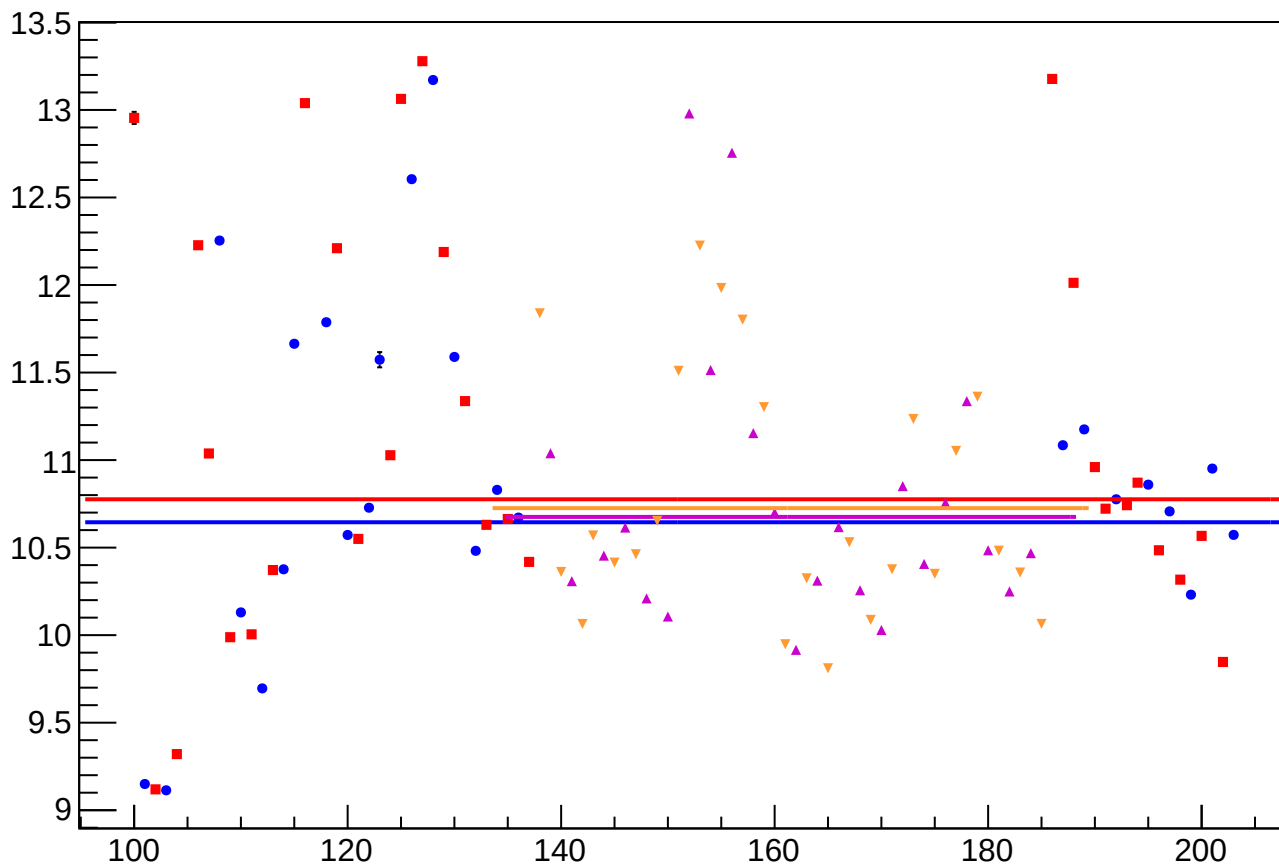
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -1.716 ± 1.951 χ^2/NDF : 48.2/49

All: -0.419 ± 1.377 χ^2/NDF : 129.6/101

- sign 0.869 ± 1.945 χ^2/NDF : 80.5/51

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.645 $\pm$ 0.002 χ^2 /NDF: 167019.9/24

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF: 132170.8/24

Right Out: 10.776 $\pm$ 0.002 χ^2 /NDF: 236643.4/28

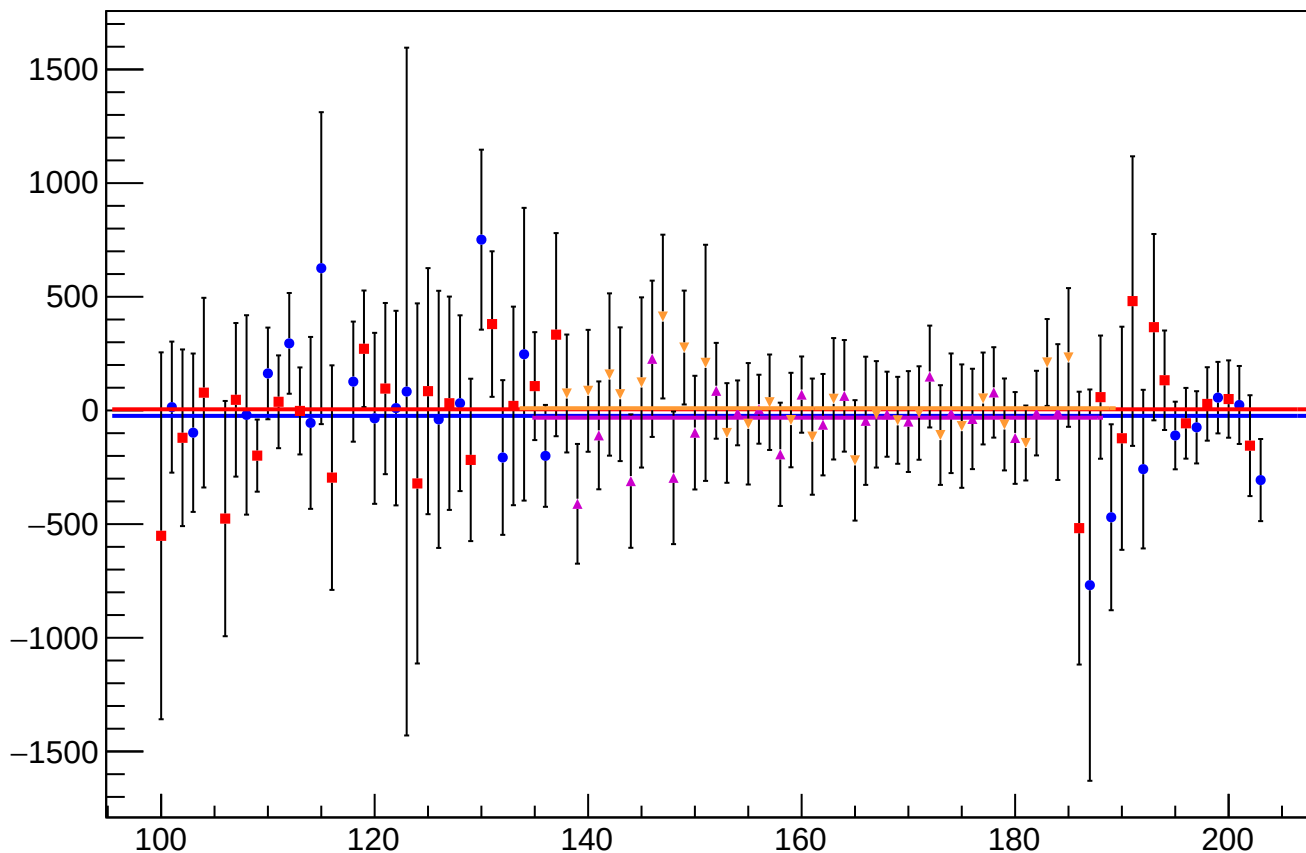
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF: 145938.2/22

+ sign 10.693 $\pm$ 0.001 χ^2 /NDF: 300010.9/49

All: 10.706 $\pm$ 0.001 χ^2 /NDF: 684079.1/101

- sign 10.719 $\pm$ 0.001 χ^2 /NDF: 383895.1/51

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -23.844 ± 52.748 χ^2/NDF : 14.8/24

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 5.059 ± 51.077 χ^2/NDF : 10.7/28

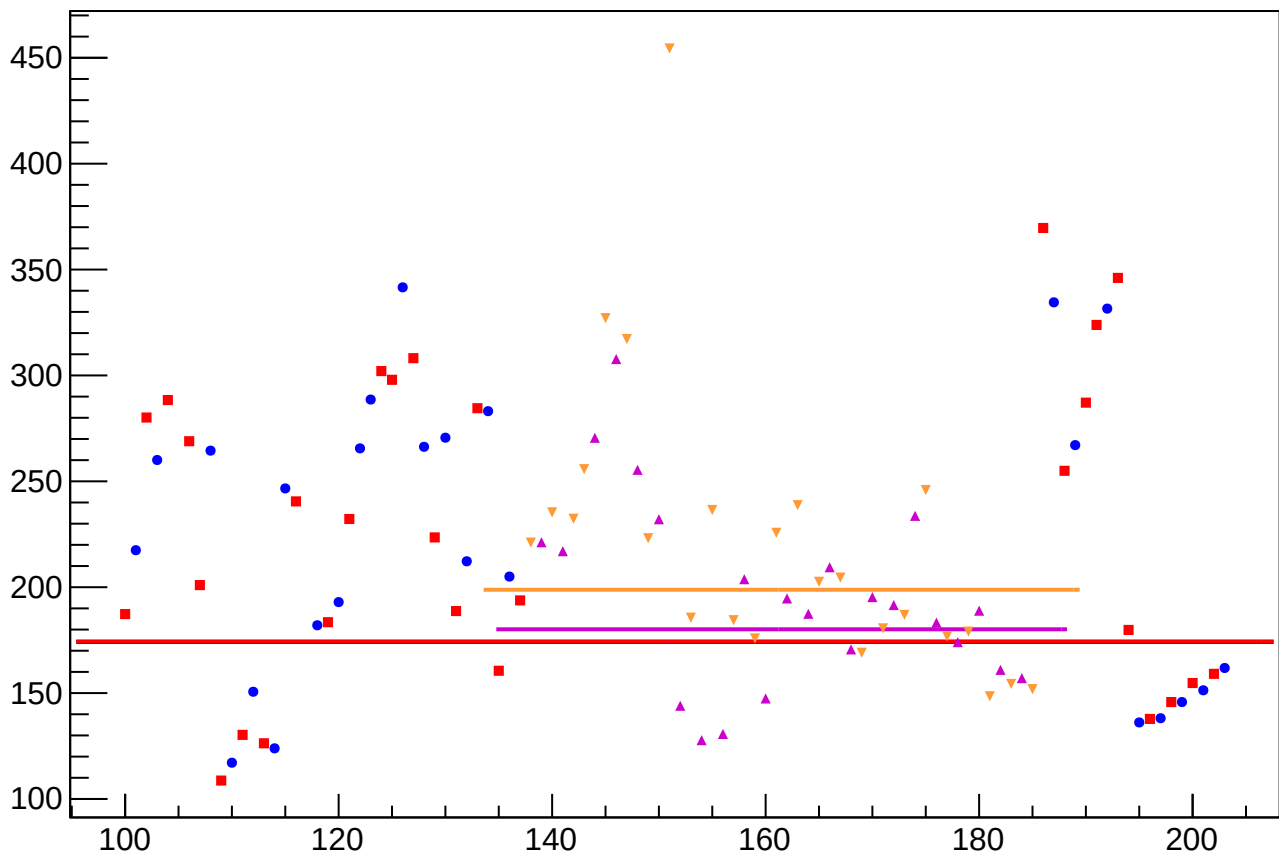
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -5.432 ± 35.493 χ^2/NDF : 22.5/49

All: -10.863 ± 24.470 χ^2/NDF : 40.7/101

- sign -15.783 ± 33.781 χ^2/NDF : 18.1/51

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.147 $\pm$ 0.037 χ^2 /NDF: 2052365.5/24

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 174.381 $\pm$ 0.036 χ^2 /NDF: 2689916.6/28

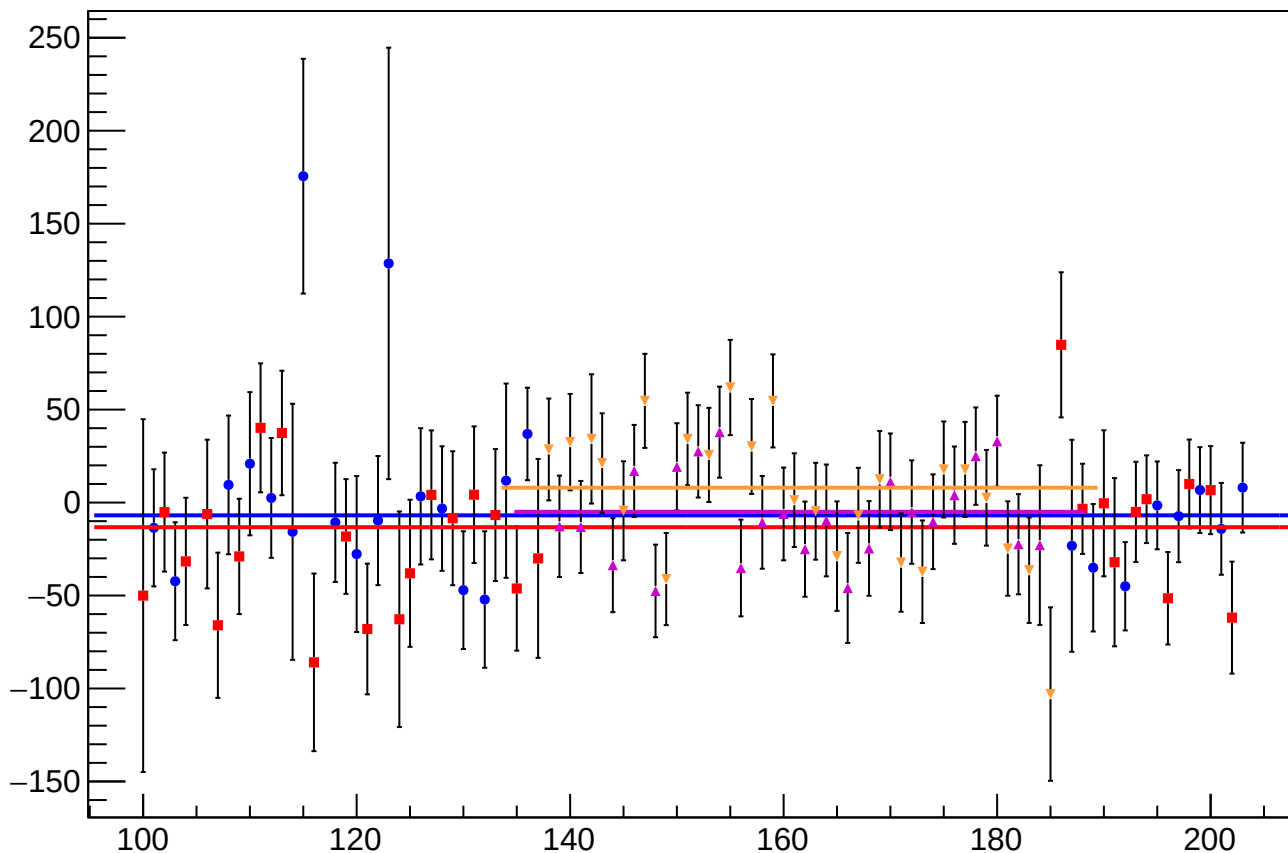
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 187.638 $\pm$ 0.025 χ^2 /NDF: 4054557.2/49

All: 182.377 $\pm$ 0.017 χ^2 /NDF: 8436286.7/103

- sign 177.612 $\pm$ 0.024 χ^2 /NDF: 4297977.5/51

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.879 ± 6.427 χ^2/NDF : 22.7/24

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -13.256 ± 6.141 χ^2/NDF : 28.7/28

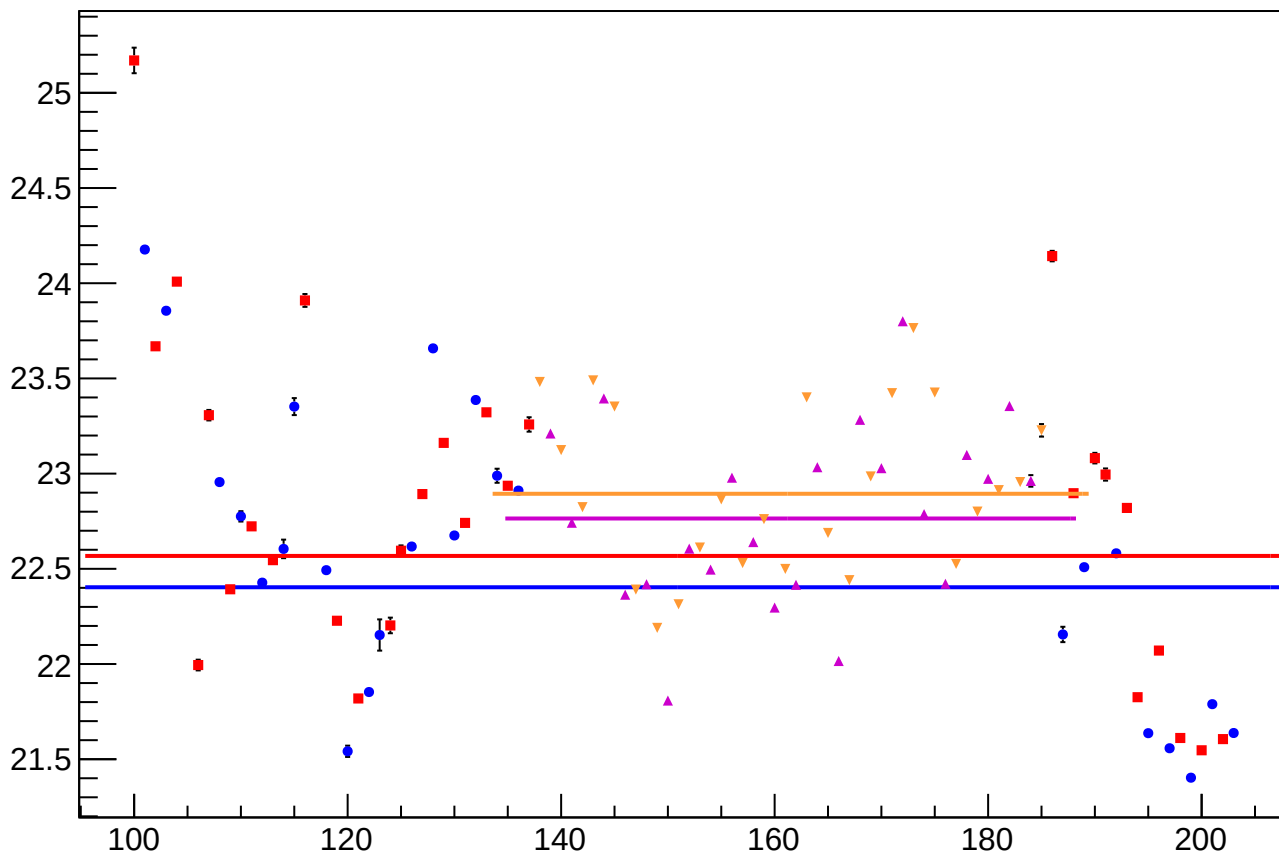
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 1.935 ± 4.101 χ^2/NDF : 63.4/49

All: -3.378 ± 2.890 χ^2/NDF : 116.8/101

- sign -8.619 ± 4.074 χ^2/NDF : 50.1/51

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.403 $\pm$ 0.005 χ^2 /NDF: 30153.8/24

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF:13070.5/24

Right Out: 22.568 $\pm$ 0.004 χ^2 /NDF: 29757.9/28

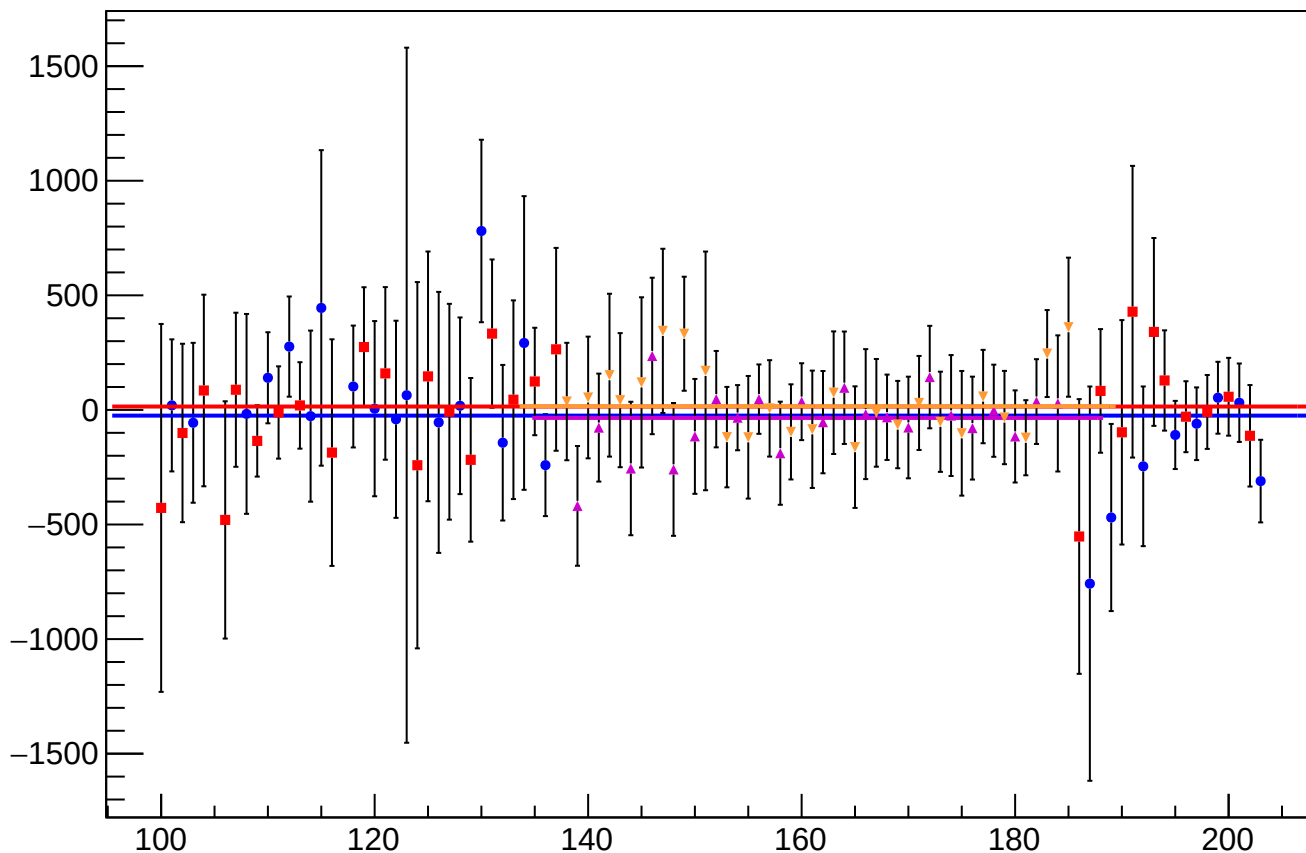
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF:14665.7/22

+ sign 22.694 $\pm$ 0.003 χ^2 /NDF: 50142.8/49

All: 22.686 $\pm$ 0.002 χ^2 /NDF: 95730.2/101

- sign 22.678 $\pm$ 0.003 χ^2 /NDF: 45571.2/51

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -24.896 ± 52.592 χ^2/NDF : 14.3/24

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 14.714 ± 50.826 χ^2/NDF : 8.6/28

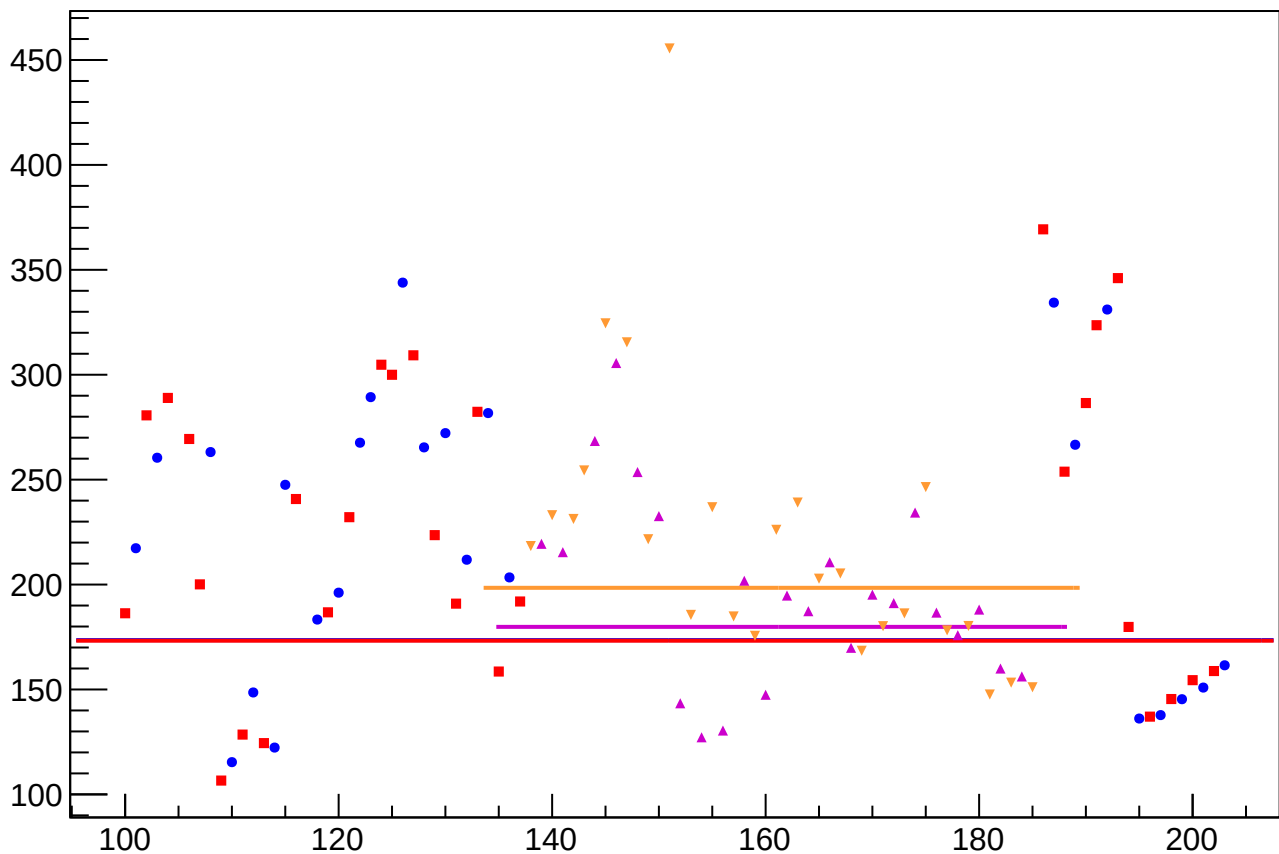
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign -2.595 ± 35.412 χ^2/NDF : 23.1/49

All: -8.124 ± 24.405 χ^2/NDF : 38.8/101

- sign -13.125 ± 33.680 χ^2/NDF : 15.7/51

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.525 $\pm$ 0.037 χ^2 /NDF: 2083405.1/24

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF:1761433.9/24

Right Out: 173.252 $\pm$ 0.036 χ^2 /NDF: 2761810.0/28

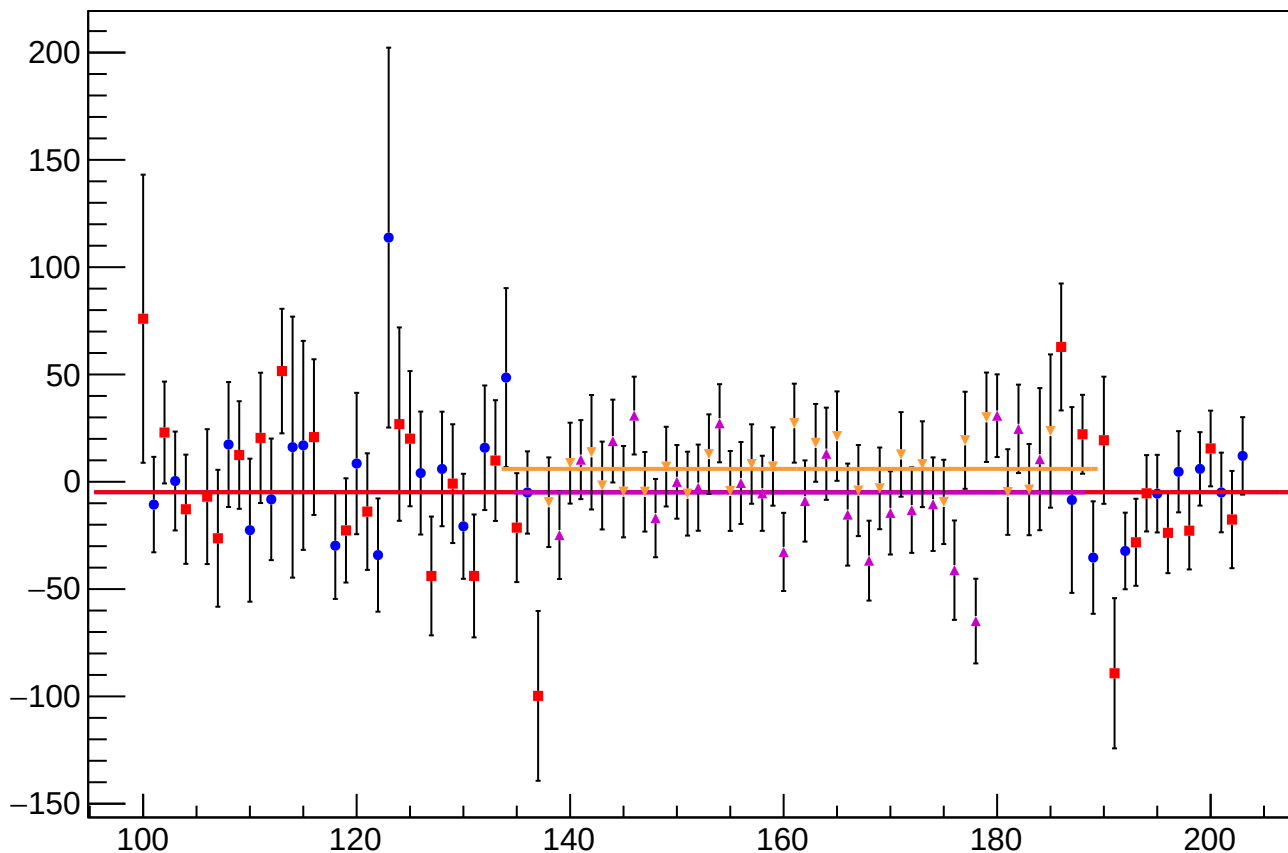
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

+ sign 187.149 $\pm$ 0.025 χ^2 /NDF: 4090378.2/49

All: 181.792 $\pm$ 0.017 χ^2 /NDF: 8547027.1/100

- sign 176.947 $\pm$ 0.024 χ^2 /NDF: 4369486.0/51

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.861 ± 4.927 χ^2/NDF : 13.6/24

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -4.839 ± 4.729 χ^2/NDF : 39.8/28

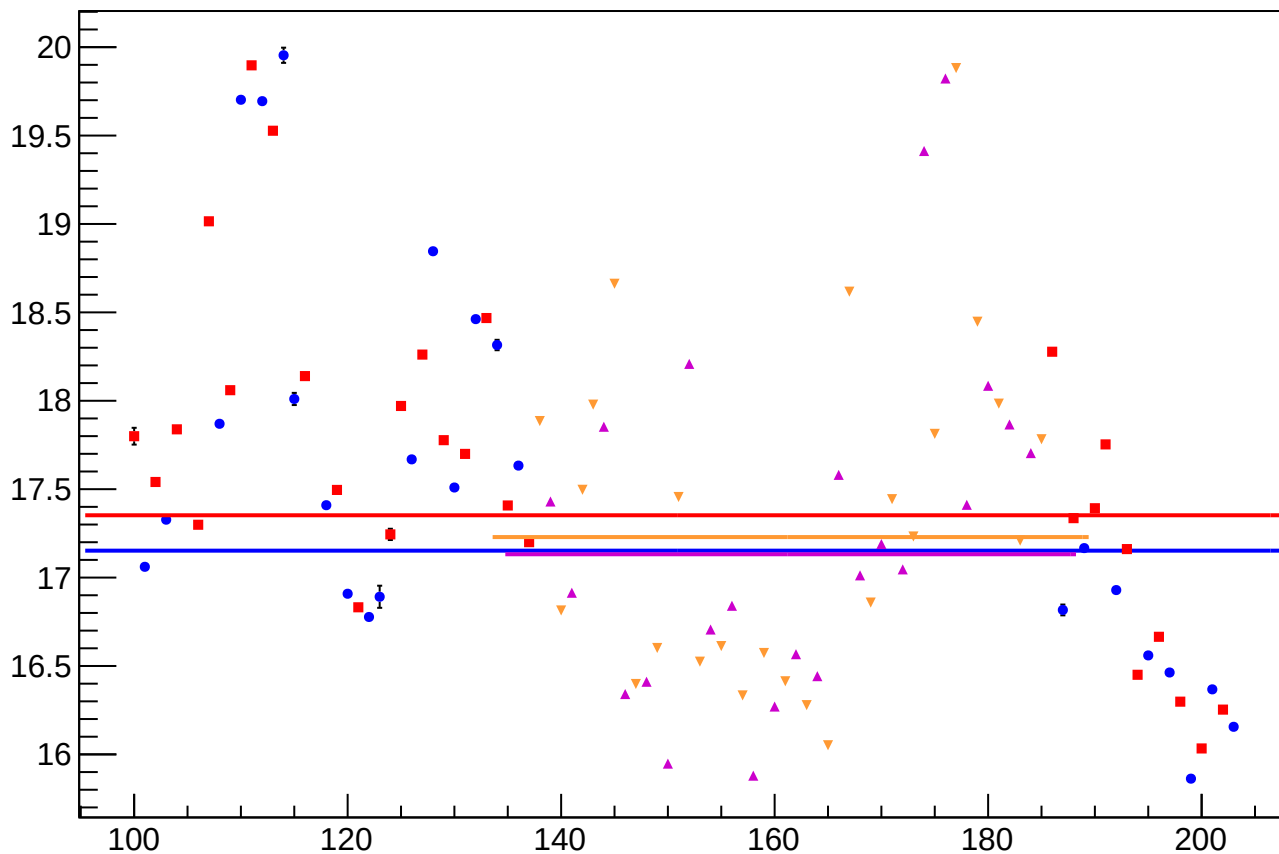
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.675 ± 3.114 χ^2/NDF : 24.7/49

All: -1.625 ± 2.197 χ^2/NDF : 101.5/101

- sign -4.899 ± 3.101 χ^2/NDF : 74.6/51

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.152 $\pm$ 0.003 χ^2 /NDF: 77082.9/24

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.352 $\pm$ 0.003 χ^2 /NDF: 74846.3/28

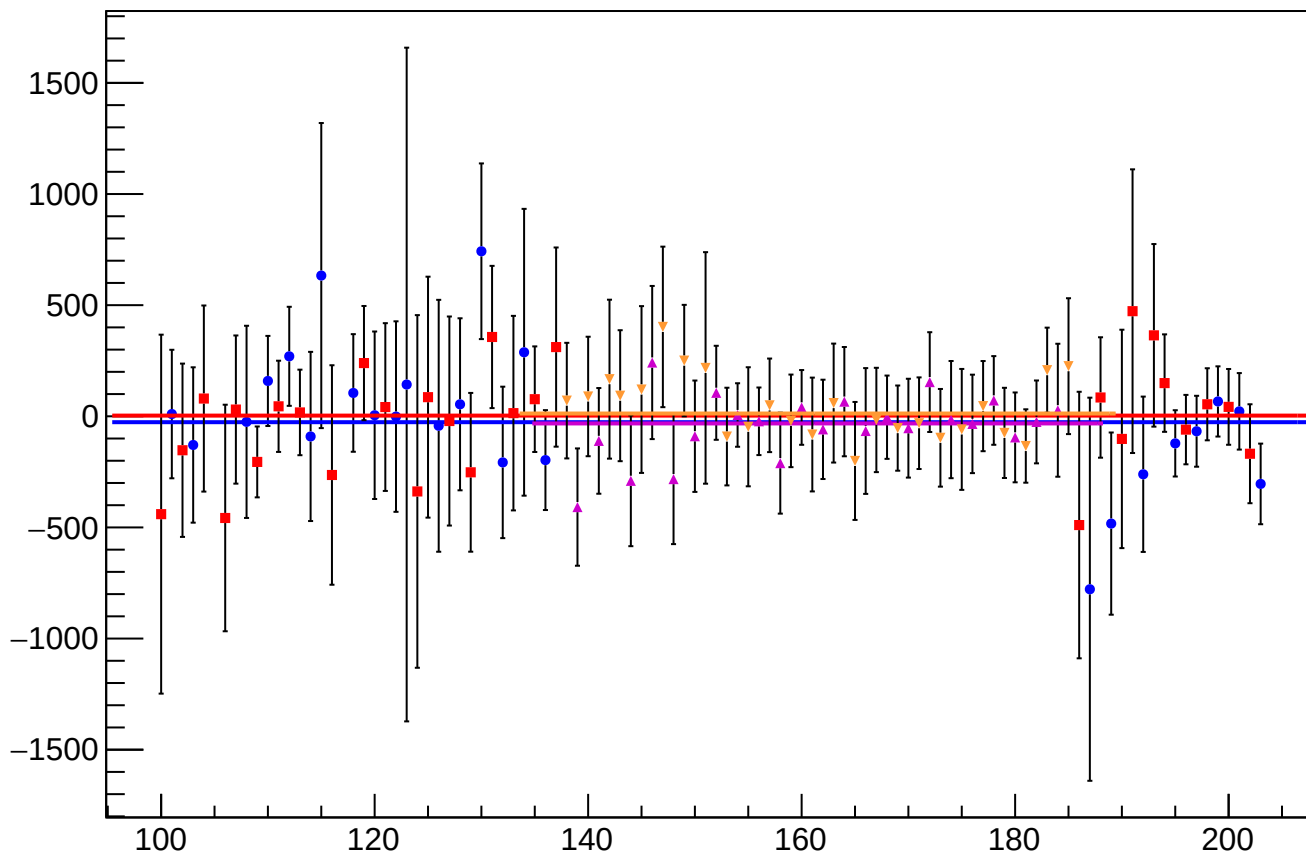
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.198 $\pm$ 0.002 χ^2 /NDF: 175999.7/49

All: 17.213 $\pm$ 0.002 χ^2 /NDF: 357407.0/101

- sign 17.227 $\pm$ 0.002 χ^2 /NDF: 181324.6/51

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -26.523 $\pm$ 52.908 χ^2 /NDF: 14.6/24

Left Out: 12.474 $\pm$ 48.086 χ^2 /NDF: 6.8/24

Right Out: 3.138 $\pm$ 51.201 χ^2 /NDF: 10.2/28

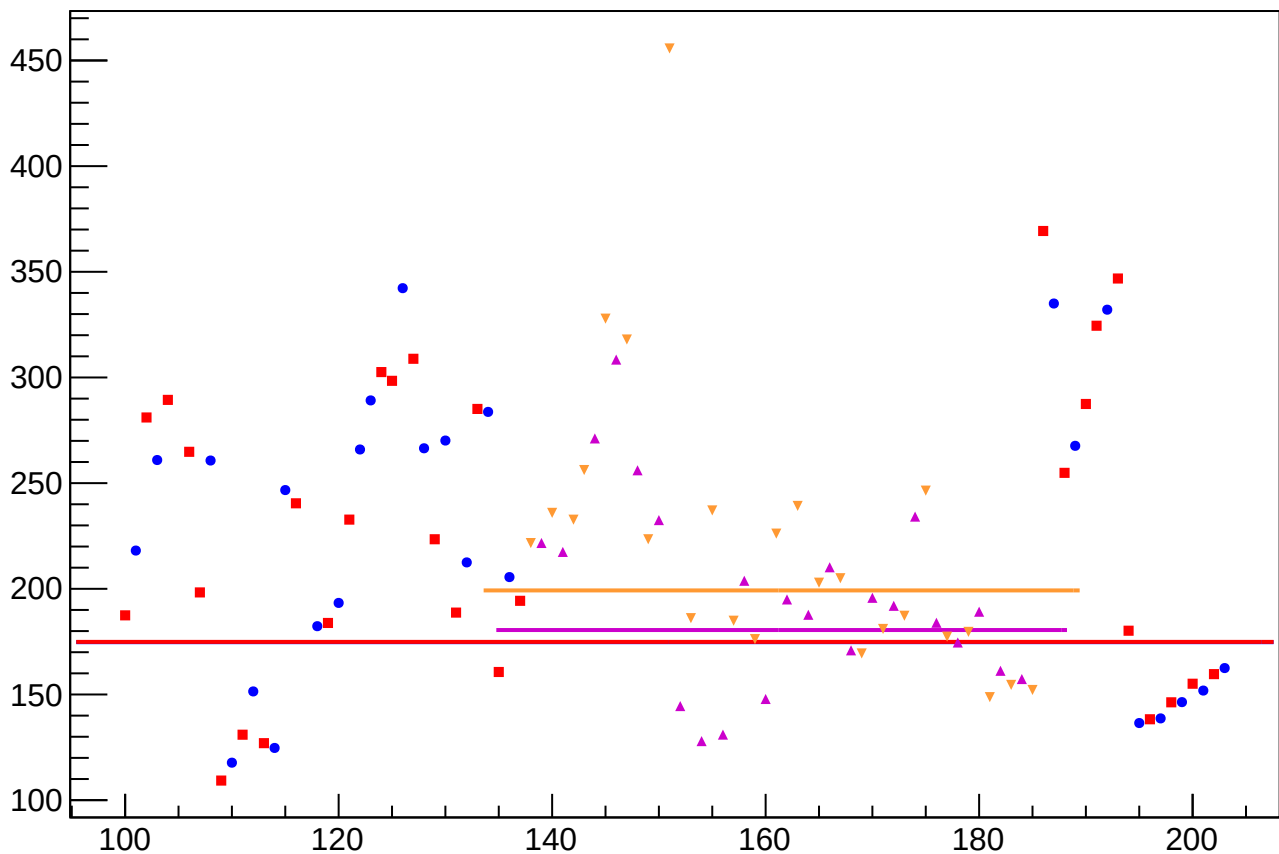
Left In: -32.159 $\pm$ 45.131 χ^2 /NDF: 6.9/22

+ sign -5.166 $\pm$ 35.585 χ^2 /NDF: 21.7/49

All: -11.234 $\pm$ 24.528 χ^2 /NDF: 39.2/101

- sign -16.726 $\pm$ 33.856 χ^2 /NDF: 17.4/51

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.748 $\pm$ 0.037 χ^2 /NDF: 2033924.5/24

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 174.890 $\pm$ 0.036 χ^2 /NDF: 2665958.2/28

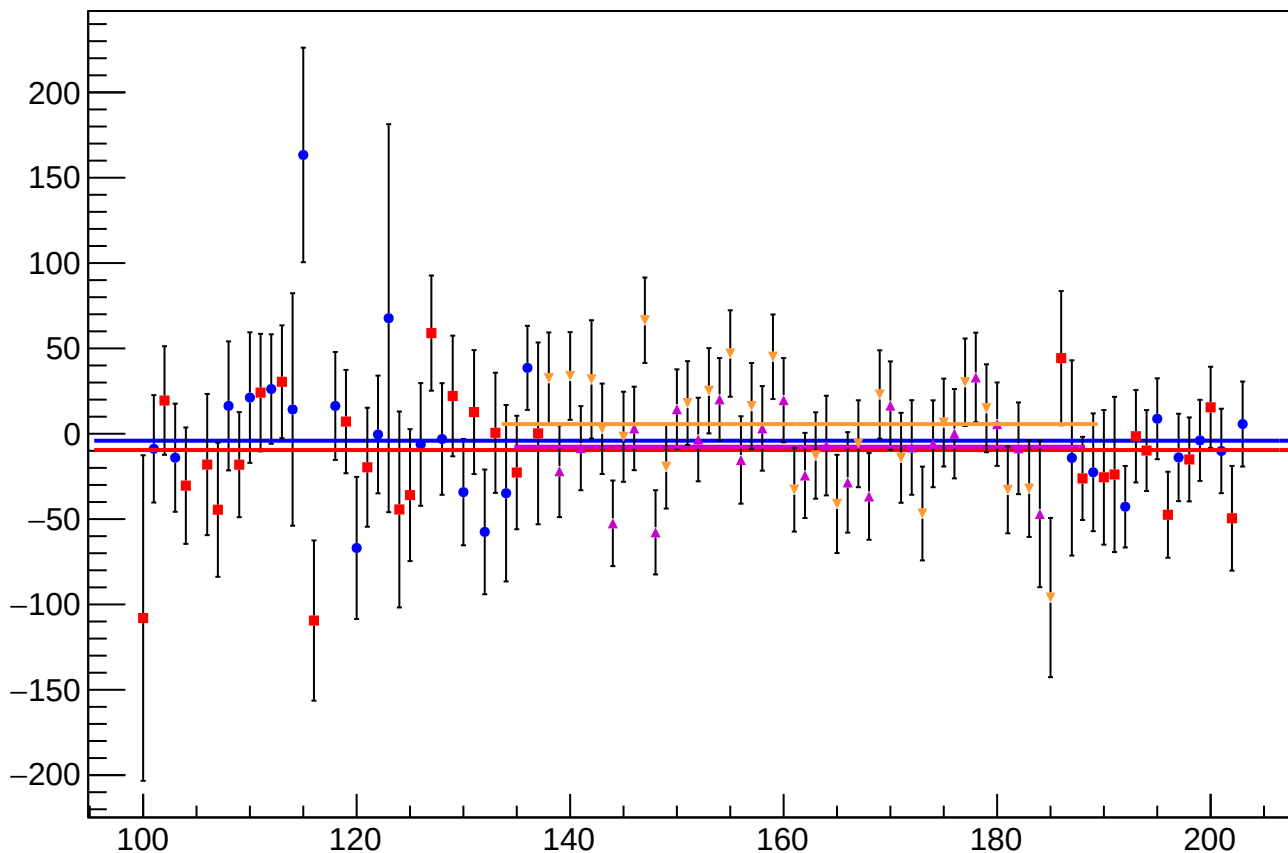
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 188.161 $\pm$ 0.025 χ^2 /NDF: 4032748.8/49

All: 182.851 $\pm$ 0.017 χ^2 /NDF: 8390846.0/103

- sign 178.043 $\pm$ 0.024 χ^2 /NDF: 4273226.3/51

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.076 ± 6.446 $\chi^2/\text{NDF}: 22.0/24$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -9.553 ± 6.141 $\chi^2/\text{NDF}: 24.7/28$

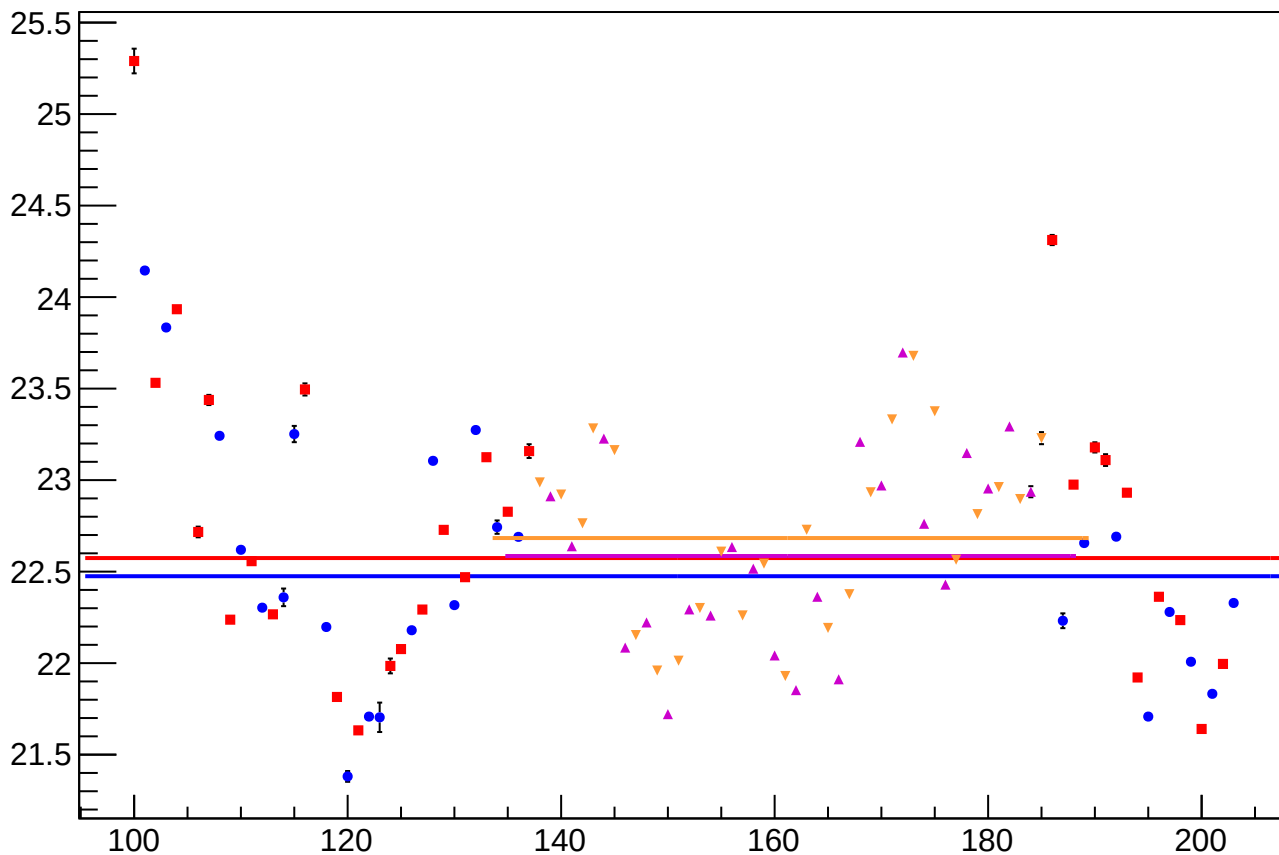
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 1.760 ± 4.084 $\chi^2/\text{NDF}: 59.8/49$

All: -3.379 ± 2.878 $\chi^2/\text{NDF}: 106.1/101$

- sign -8.448 ± 4.056 $\chi^2/\text{NDF}: 43.1/51$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.475 $\pm$ 0.005 χ^2/NDF : 19907.7/24

Left Out: 22.683 $\pm$ 0.004 χ^2/NDF : 16318.1/24

Right Out: 22.574 $\pm$ 0.004 χ^2/NDF : 24468.2/28

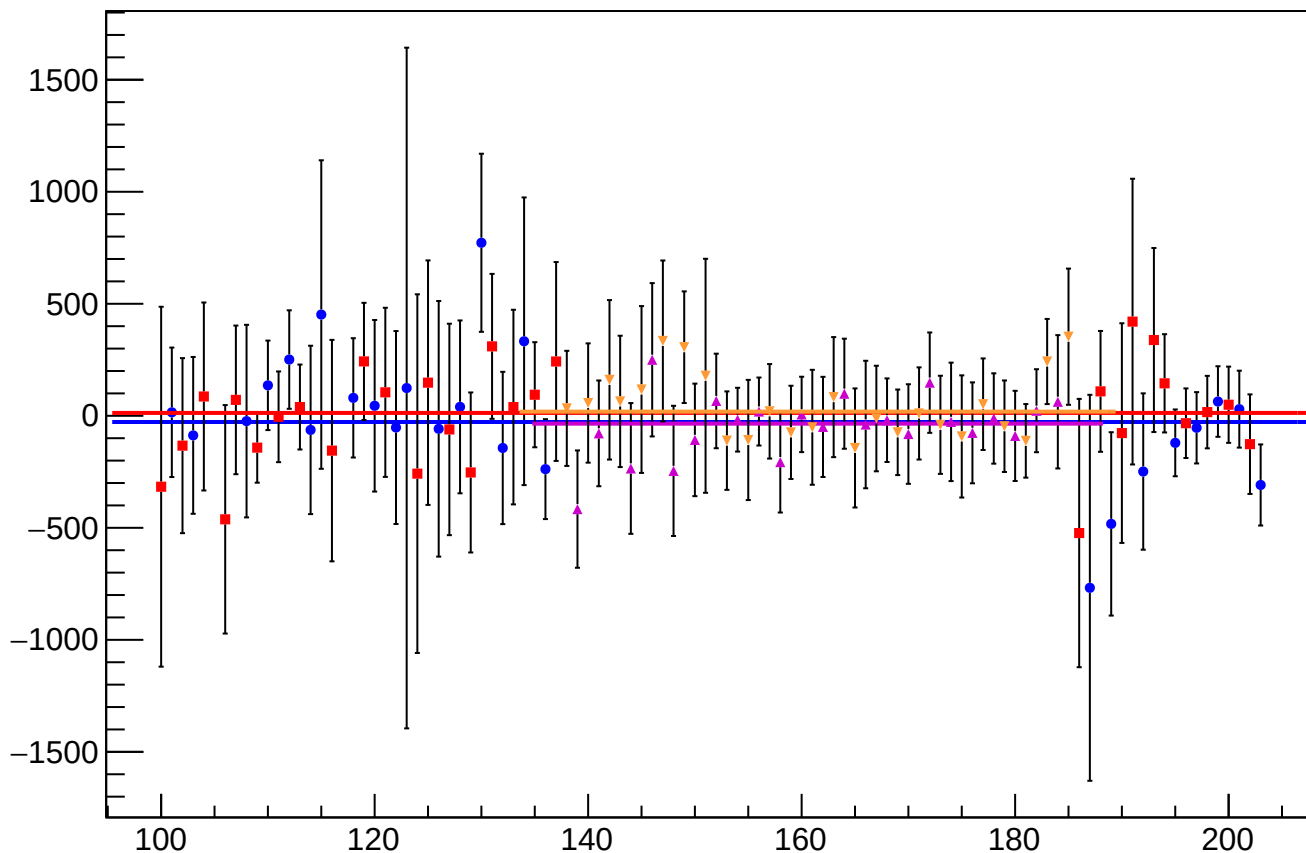
Left In: 22.585 $\pm$ 0.004 χ^2/NDF : 18087.5/22

+ sign 22.600 $\pm$ 0.003 χ^2/NDF : 37479.1/49

All: 22.590 $\pm$ 0.002 χ^2/NDF : 80061.0/101

- sign 22.580 $\pm$ 0.003 χ^2/NDF : 42559.4/51

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -27.654 ± 52.753 χ^2/NDF : 14.1/24

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 12.853 ± 50.952 χ^2/NDF : 8.1/28

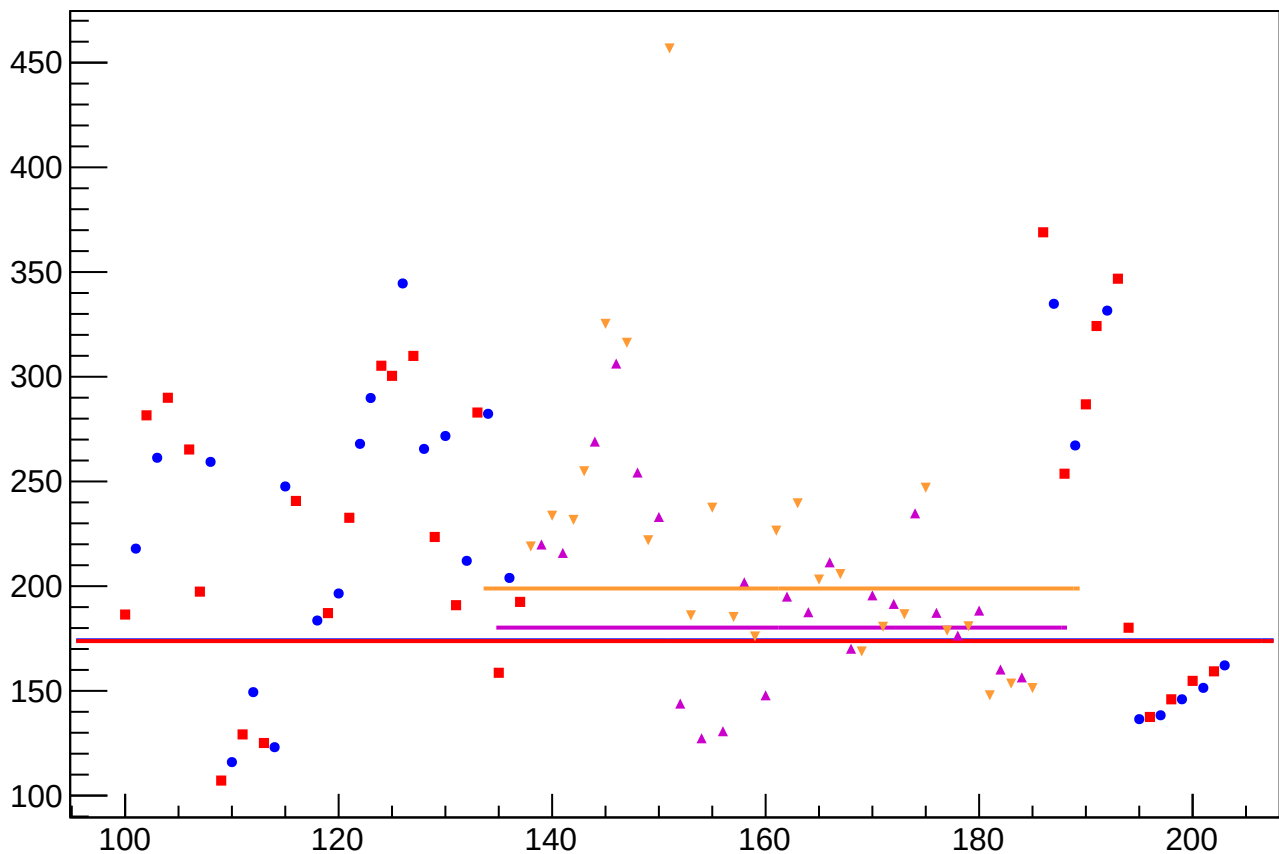
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -2.334 ± 35.505 χ^2/NDF : 22.1/49

All: -8.474 ± 24.464 χ^2/NDF : 37.0/101

- sign -14.023 ± 33.755 χ^2/NDF : 14.9/51

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.132 $\pm$ 0.037 χ^2 /NDF: 2064361.0/24

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 173.770 $\pm$ 0.036 χ^2 /NDF: 2736867.0/28

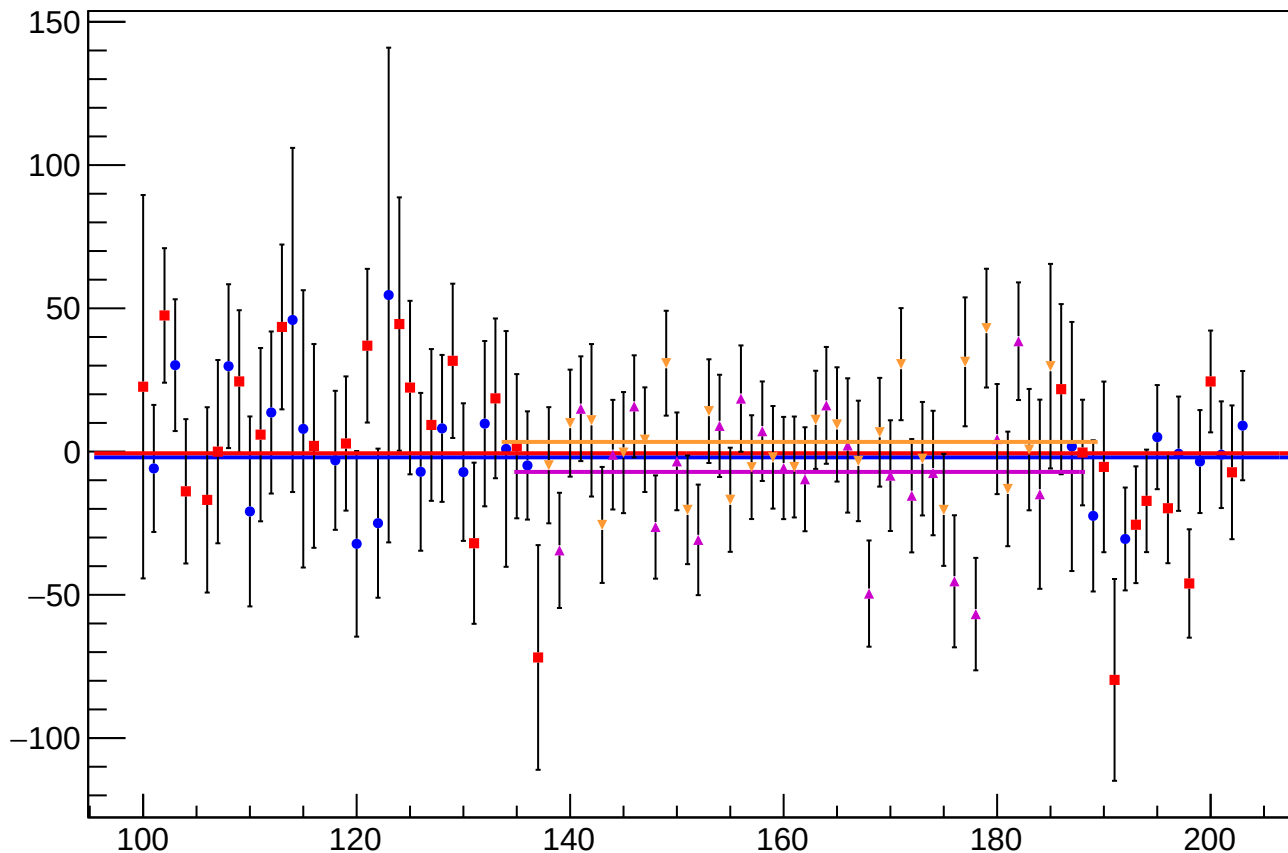
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 187.675 $\pm$ 0.025 χ^2 /NDF: 4067786.5/49

All: 182.269 $\pm$ 0.017 χ^2 /NDF: 8499862.9/100

- sign 177.382 $\pm$ 0.024 χ^2 /NDF: 4343782.7/51

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.012 ± 4.952 χ^2/NDF : 10.7/24

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -0.584 ± 4.729 χ^2/NDF : 35.3/28

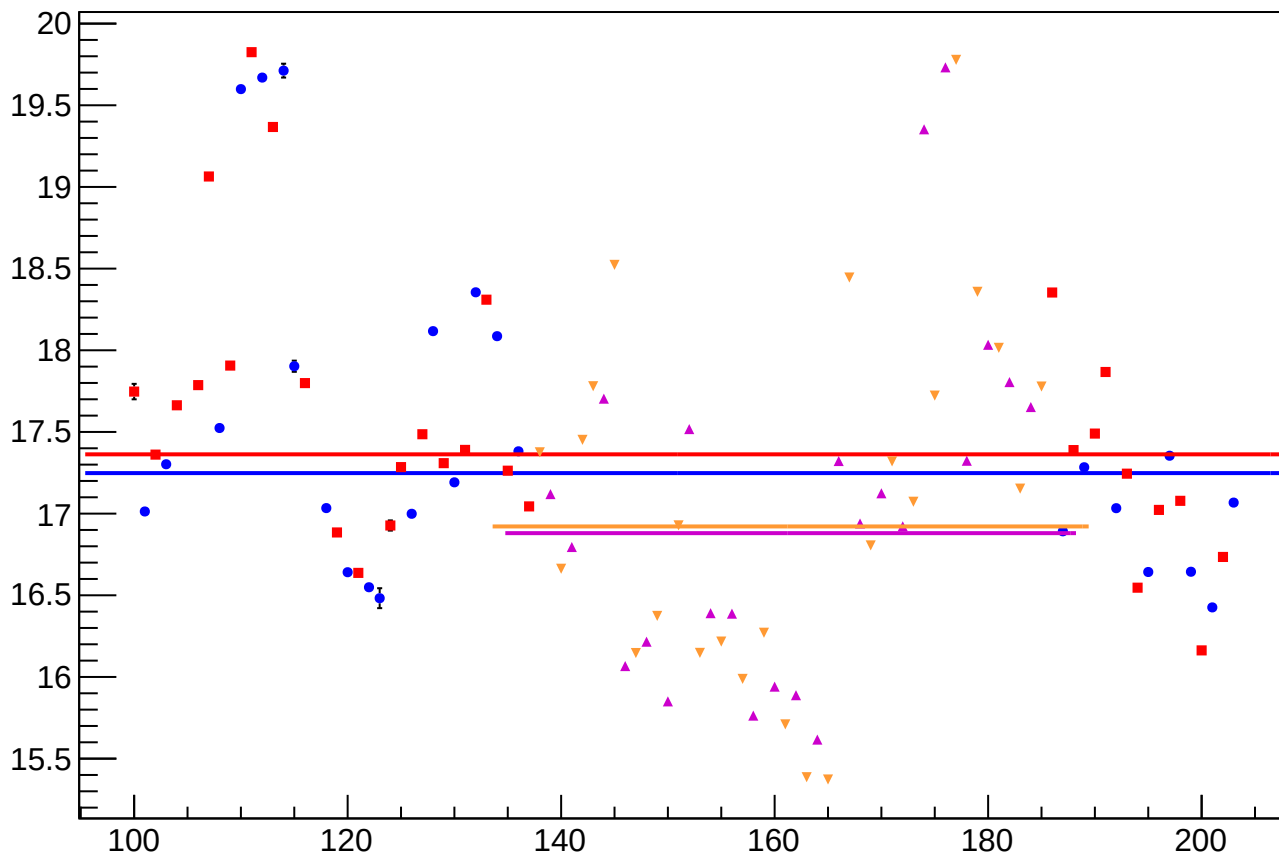
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.280 ± 3.086 χ^2/NDF : 30.2/49

All: -1.543 ± 2.178 χ^2/NDF : 100.8/101

- sign -4.345 ± 3.075 χ^2/NDF : 68.9/51

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.248 $\pm$ 0.004 χ^2 /NDF: 46713.8/24

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.363 $\pm$ 0.003 χ^2 /NDF: 54158.2/28

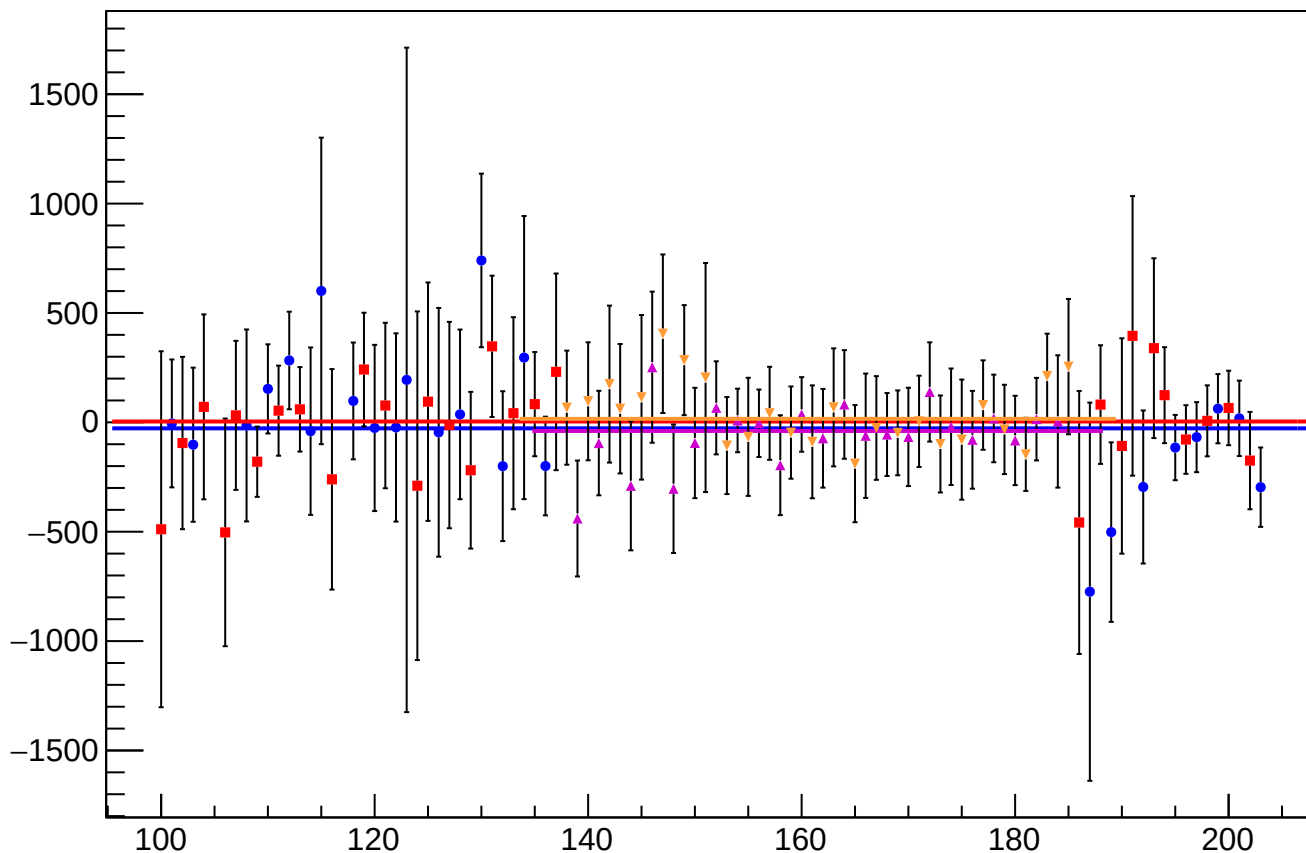
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.048 $\pm$ 0.002 χ^2 /NDF: 191025.0/49

All: 17.066 $\pm$ 0.002 χ^2 /NDF: 379073.6/101

- sign 17.084 $\pm$ 0.002 χ^2 /NDF: 187911.4/51

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -27.489 ± 53.087 χ^2/NDF : 14.3/24

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 3.844 ± 51.413 χ^2/NDF : 9.2/28

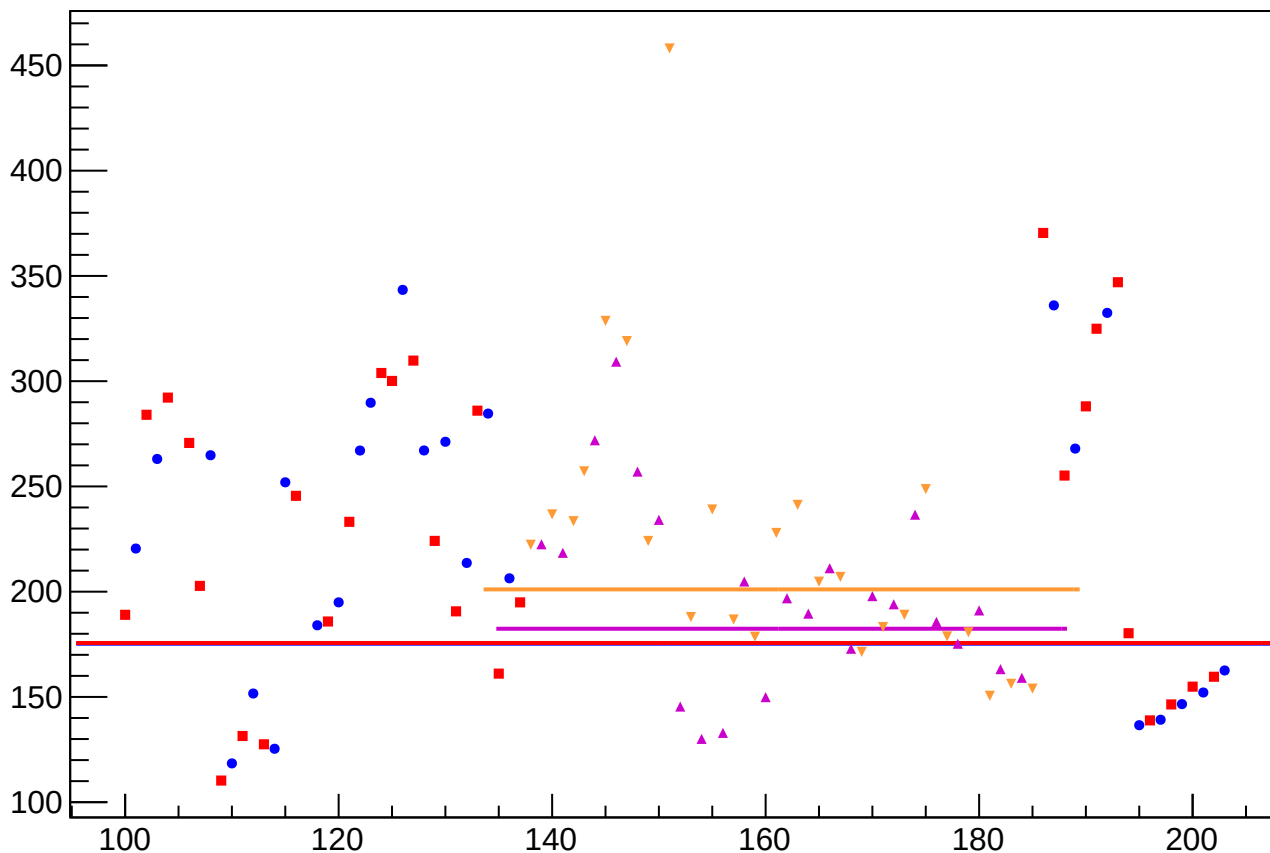
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -3.803 ± 35.808 χ^2/NDF : 22.1/49

All: -12.485 ± 24.695 χ^2/NDF : 38.7/101

- sign -20.361 ± 34.103 χ^2/NDF : 16.5/51

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.298 $\pm$ 0.038 χ^2 /NDF: 2048082.8/24

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 175.619 $\pm$ 0.036 χ^2 /NDF: 2673992.7/28

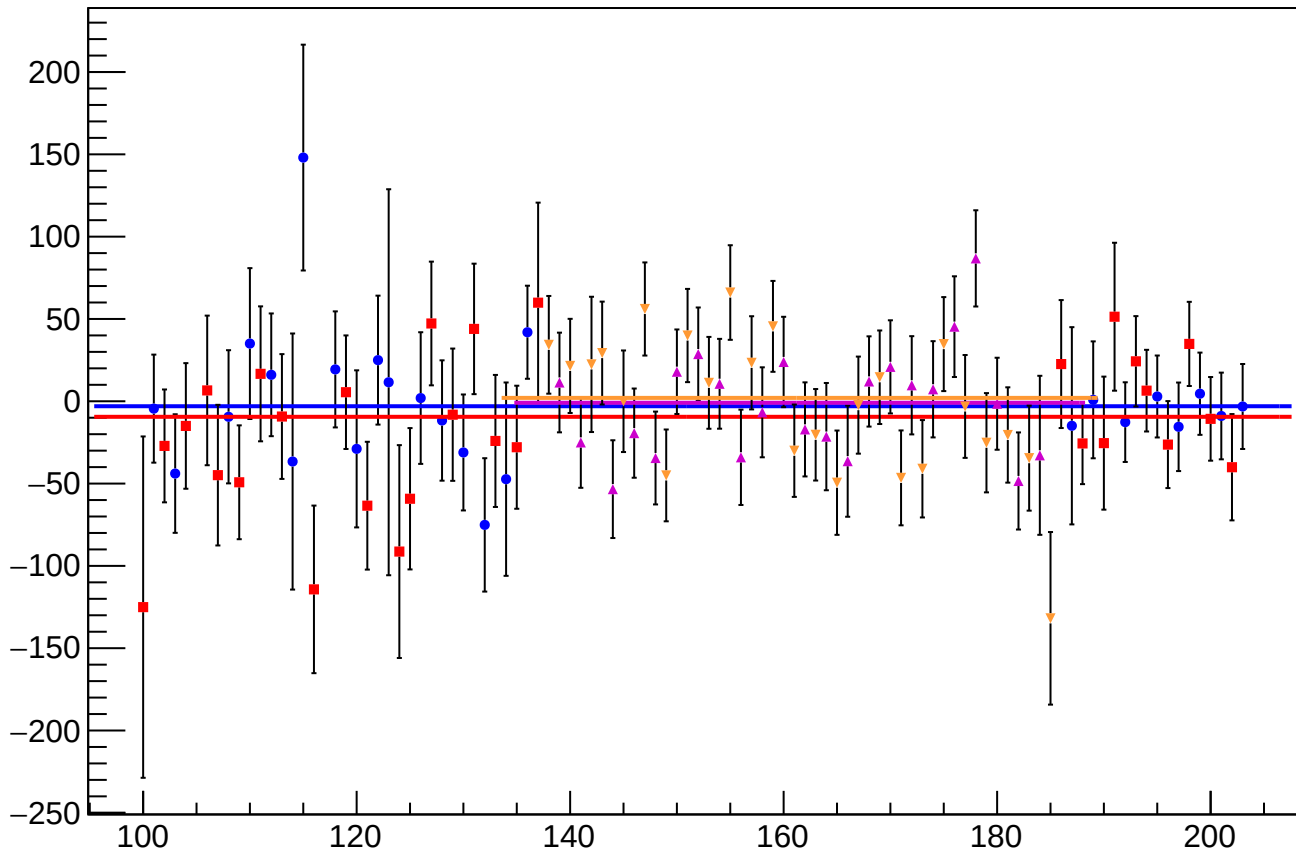
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 189.356 $\pm$ 0.025 χ^2 /NDF: 4036485.3/49

All: 184.143 $\pm$ 0.017 χ^2 /NDF: 8359688.7/100

- sign 179.414 $\pm$ 0.024 χ^2 /NDF: 4242363.2/51

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -3.017 ± 6.983 χ^2/NDF : 16.1/24

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -9.438 ± 6.613 χ^2/NDF : 28.5/28

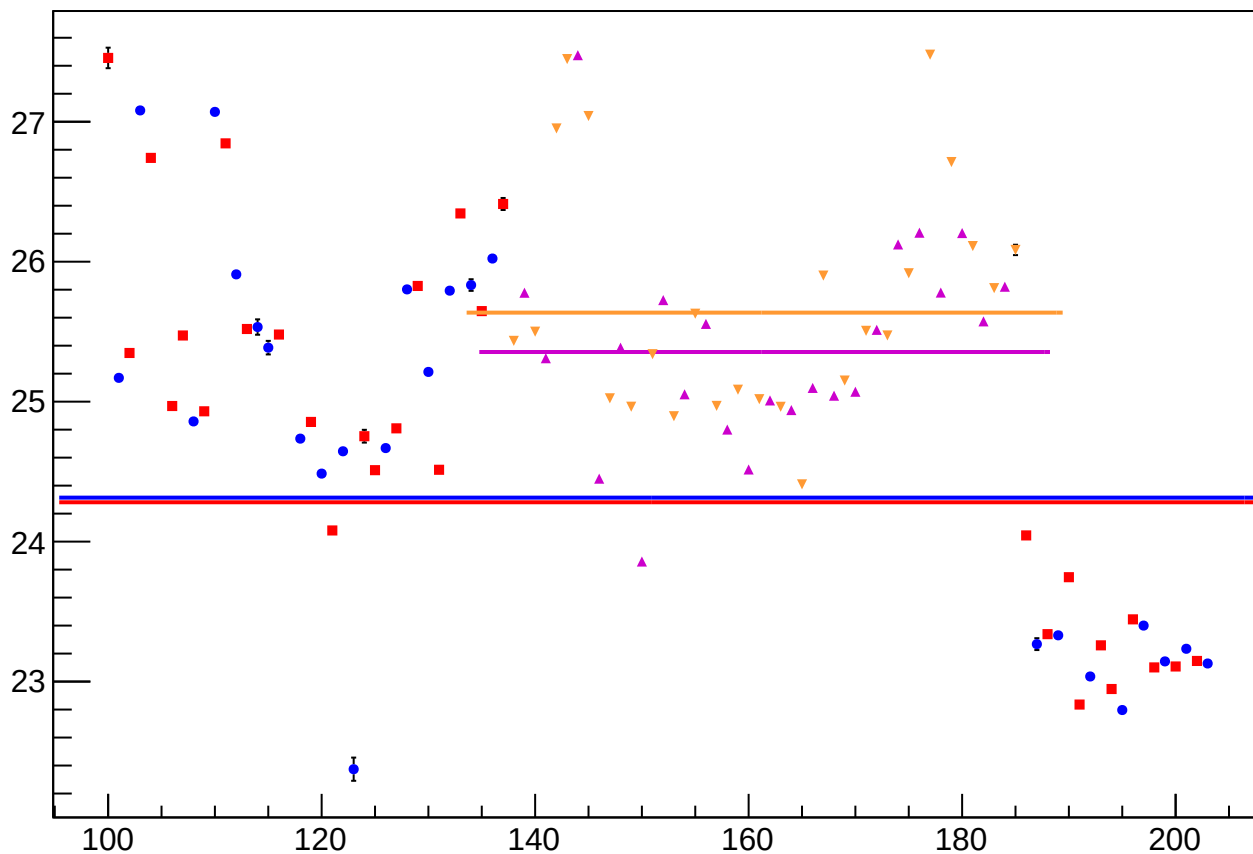
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign -0.087 ± 4.538 χ^2/NDF : 55.9/49

All: -2.480 ± 3.185 χ^2/NDF : 112.9/101

- sign -4.804 ± 4.472 χ^2/NDF : 56.5/51

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.314 $\pm$ 0.005 χ^2 /NDF: 71915.6/24

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.281 $\pm$ 0.005 χ^2 /NDF: 67500.6/28

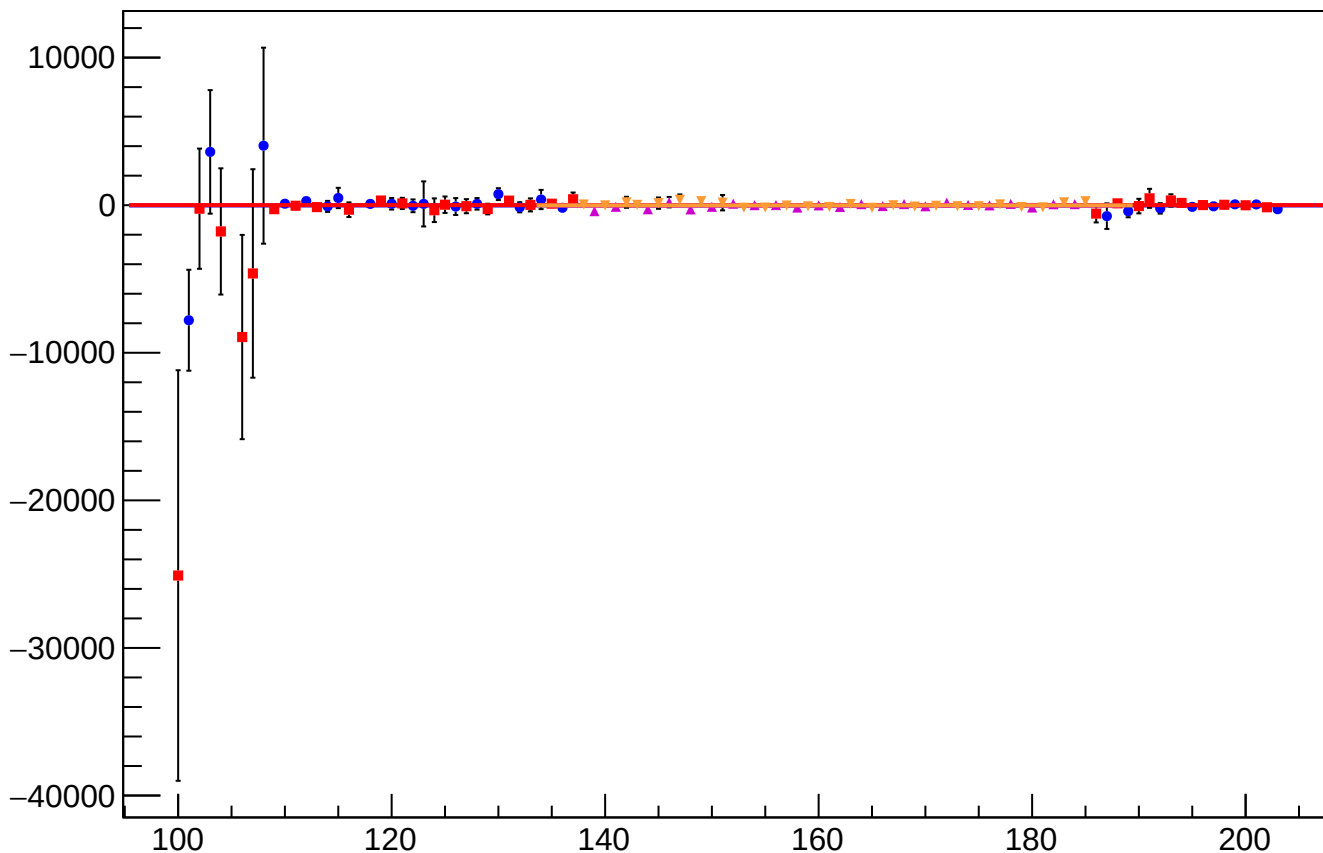
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.078 $\pm$ 0.003 χ^2 /NDF: 148447.2/49

All: 24.969 $\pm$ 0.002 χ^2 /NDF: 276584.9/101

- sign 24.864 $\pm$ 0.003 χ^2 /NDF: 125879.6/51

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -17.257+/-56.081 χ^2/NDF : 18.6/24

Left Out: -12.820+/-48.216 χ^2/NDF : 7.9/24

Right Out: 3.566+/-55.359 χ^2/NDF : 15.2/28

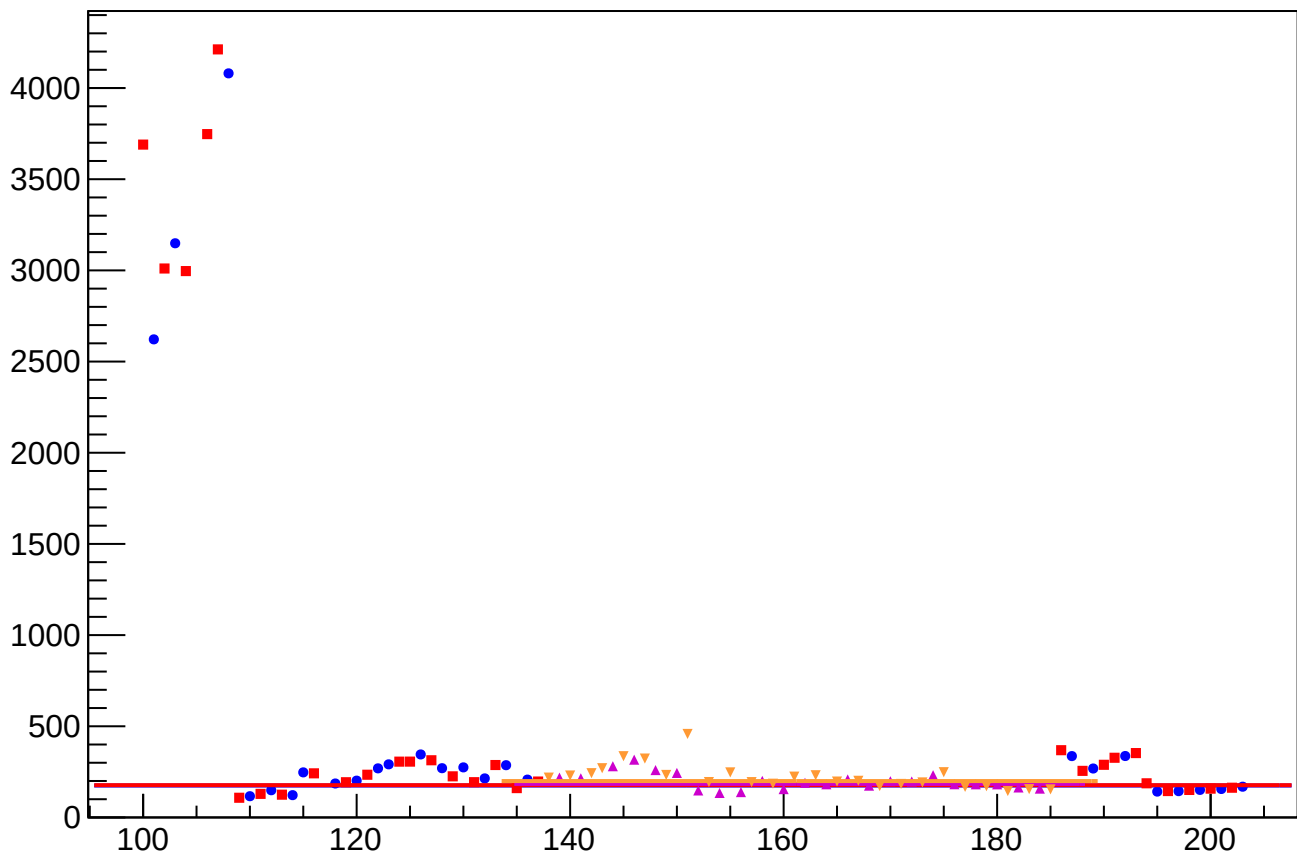
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign -14.706+/-36.561 χ^2/NDF : 26.5/49

All: -14.578+/-25.404 χ^2/NDF : 49.3/101

- sign -14.459+/-35.323 χ^2/NDF : 22.8/51

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.008 $\pm$ 0.040 χ^2 /NDF: 4465293.9/24

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 176.964 $\pm$ 0.039 χ^2 /NDF: 5307518.4/28

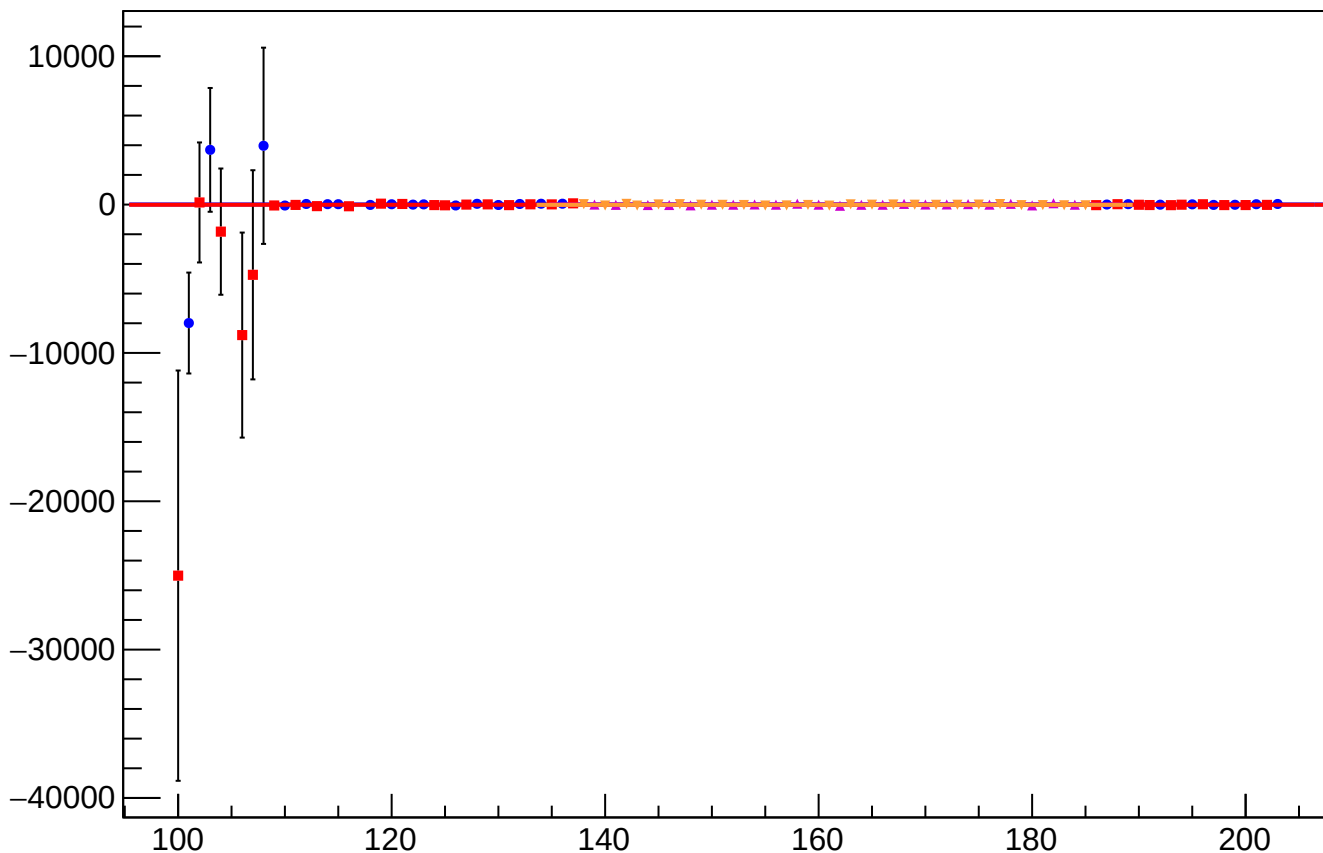
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 189.111 $\pm$ 0.026 χ^2 /NDF: 6565815.0/49

All: 184.995 $\pm$ 0.018 χ^2 /NDF: 13365107.0/10

- sign 181.154 $\pm$ 0.025 χ^2 /NDF: 6750298.8/51

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.115 ± 8.484 χ^2/NDF : 22.3/24

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -12.968 ± 8.168 χ^2/NDF : 29.1/28

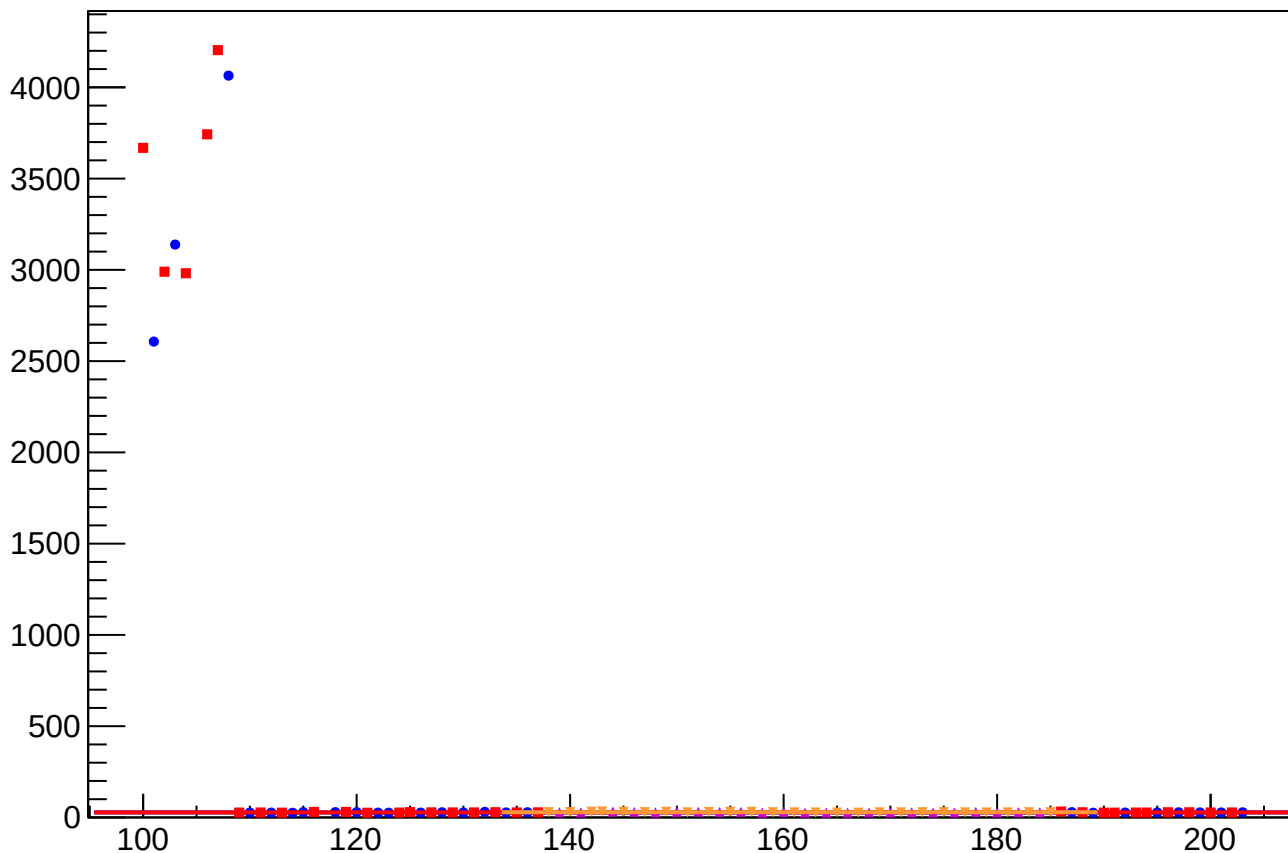
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -7.338 ± 5.255 χ^2/NDF : 50.7/49

All: -6.665 ± 3.718 χ^2/NDF : 113.5/101

- sign -5.989 ± 5.262 χ^2/NDF : 62.8/51

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.670 $\pm$ 0.006 χ^2 /NDF: 3035443.5/24

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.649 $\pm$ 0.006 χ^2 /NDF: 3502554.1/28

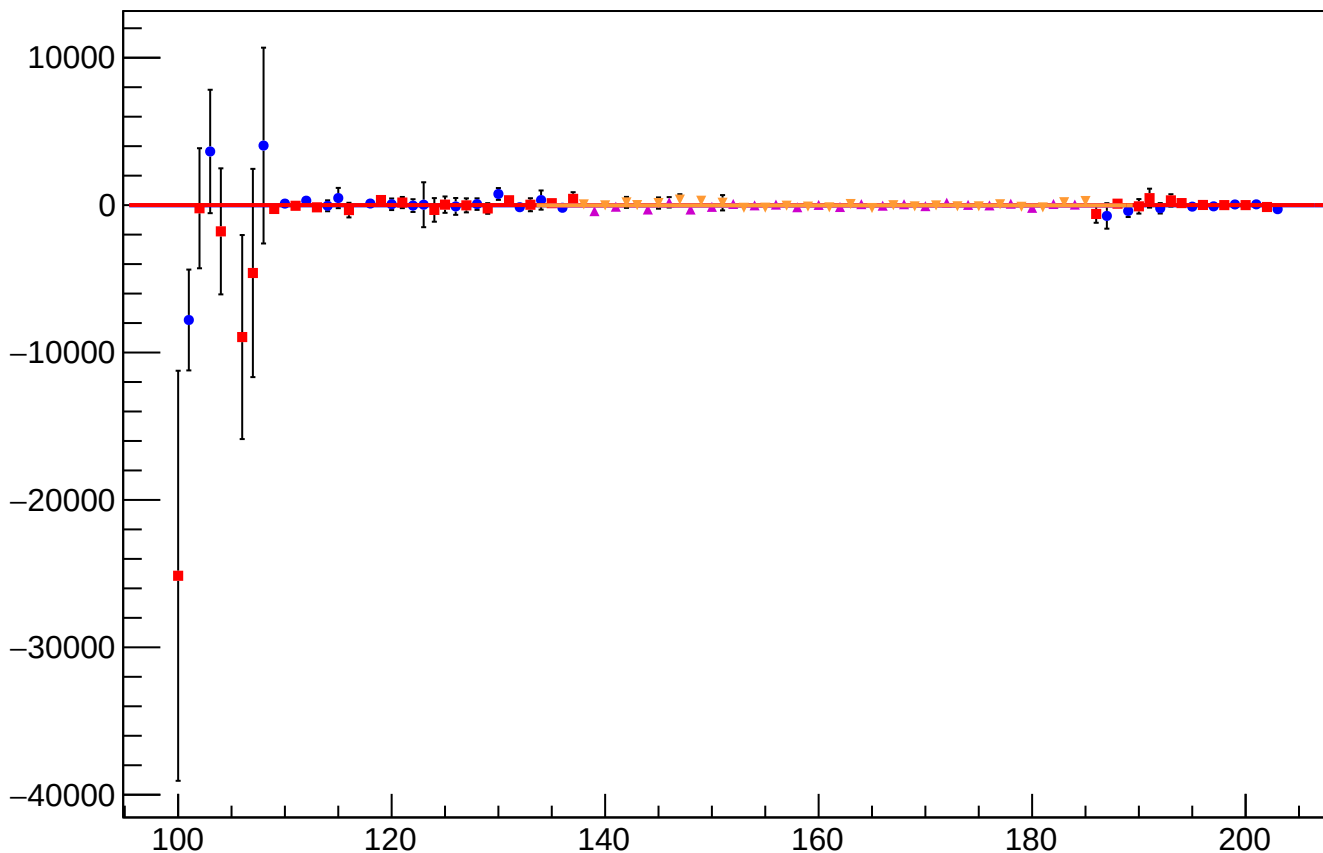
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.299 $\pm$ 0.004 χ^2 /NDF: 3163780.1/49

All: 28.274 $\pm$ 0.003 χ^2 /NDF: 6809542.5/101

- sign 28.248 $\pm$ 0.004 χ^2 /NDF: 3645668.2/51

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -15.069 $\pm$ 55.901 χ^2 /NDF: 18.8/24

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF: 8.7/24

Right Out: 4.922 $\pm$ 55.202 χ^2 /NDF: 15.8/28

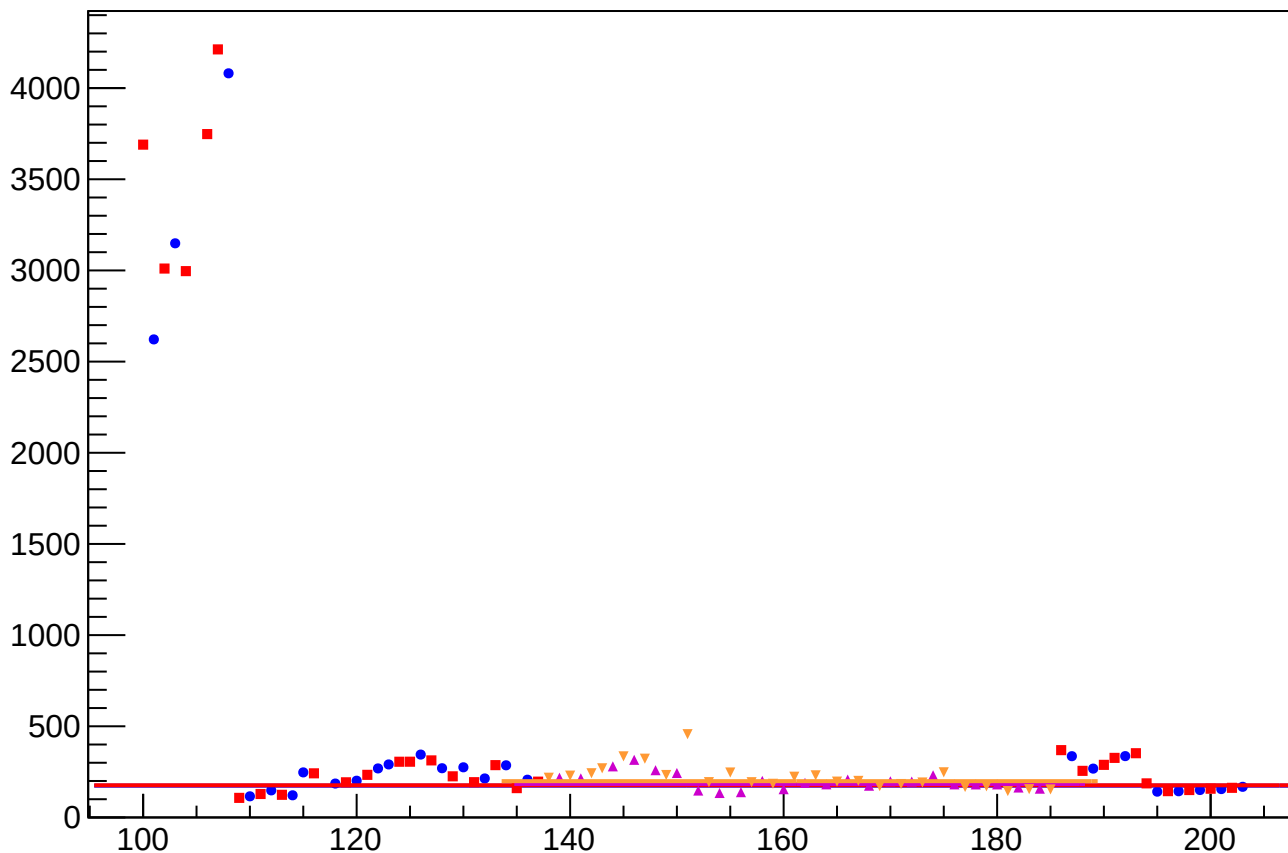
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF: 7.8/22

+ sign -15.307 $\pm$ 36.465 χ^2 /NDF: 27.5/49

All: -14.629 $\pm$ 25.341 χ^2 /NDF: 51.3/101

- sign -13.996 $\pm$ 35.241 χ^2 /NDF: 23.8/51

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.388 $\pm$ 0.040 χ^2 /NDF: 4478860.5/24

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 176.390 $\pm$ 0.039 χ^2 /NDF: 5325027.2/28

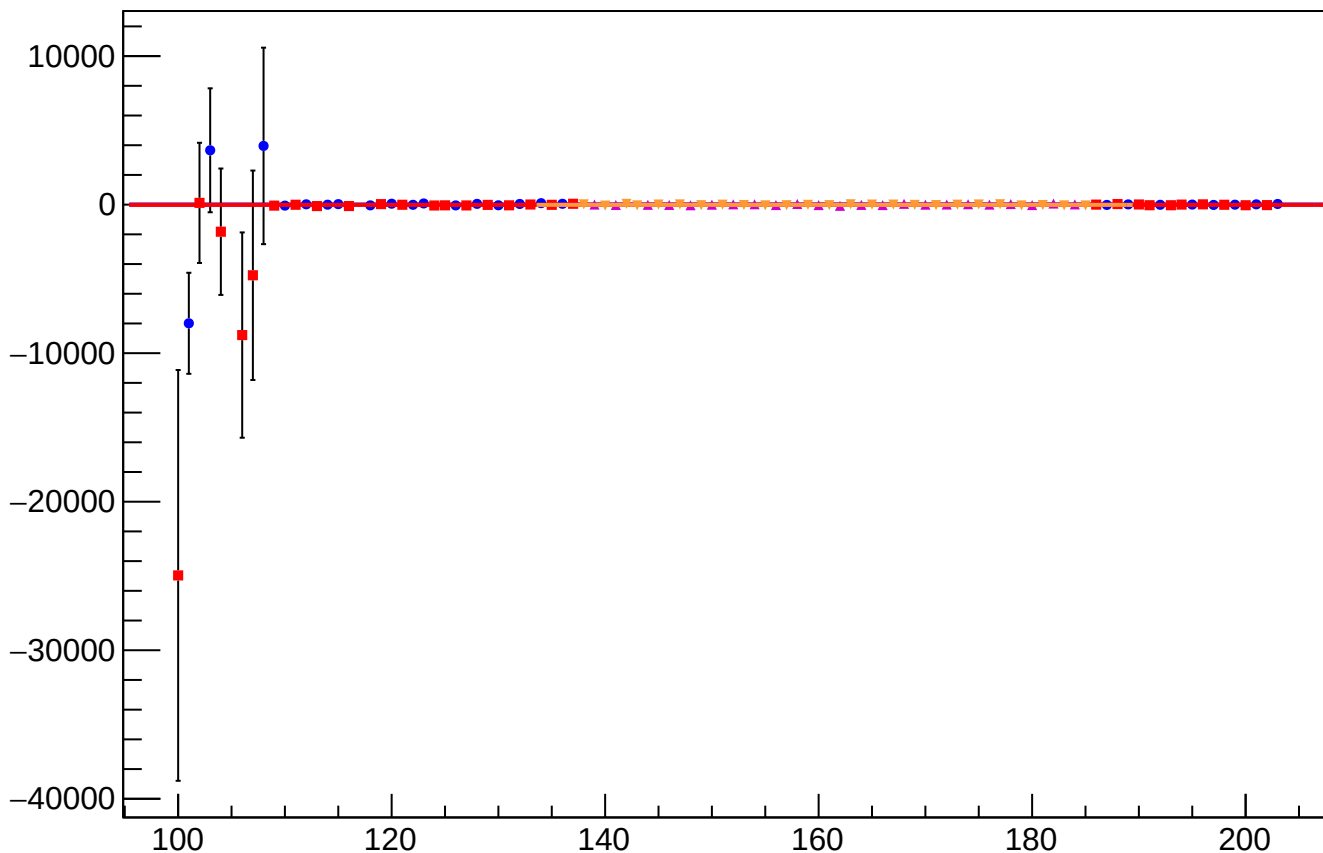
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 188.581 $\pm$ 0.026 χ^2 /NDF: 6583640.0/49

All: 184.507 $\pm$ 0.018 χ^2 /NDF: 13400445.0/10

- sign 180.702 $\pm$ 0.025 χ^2 /NDF: 6768513.9/51

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.922 ± 8.476 χ^2/NDF : 25.8/24

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -16.378 ± 8.173 χ^2/NDF : 24.7/28

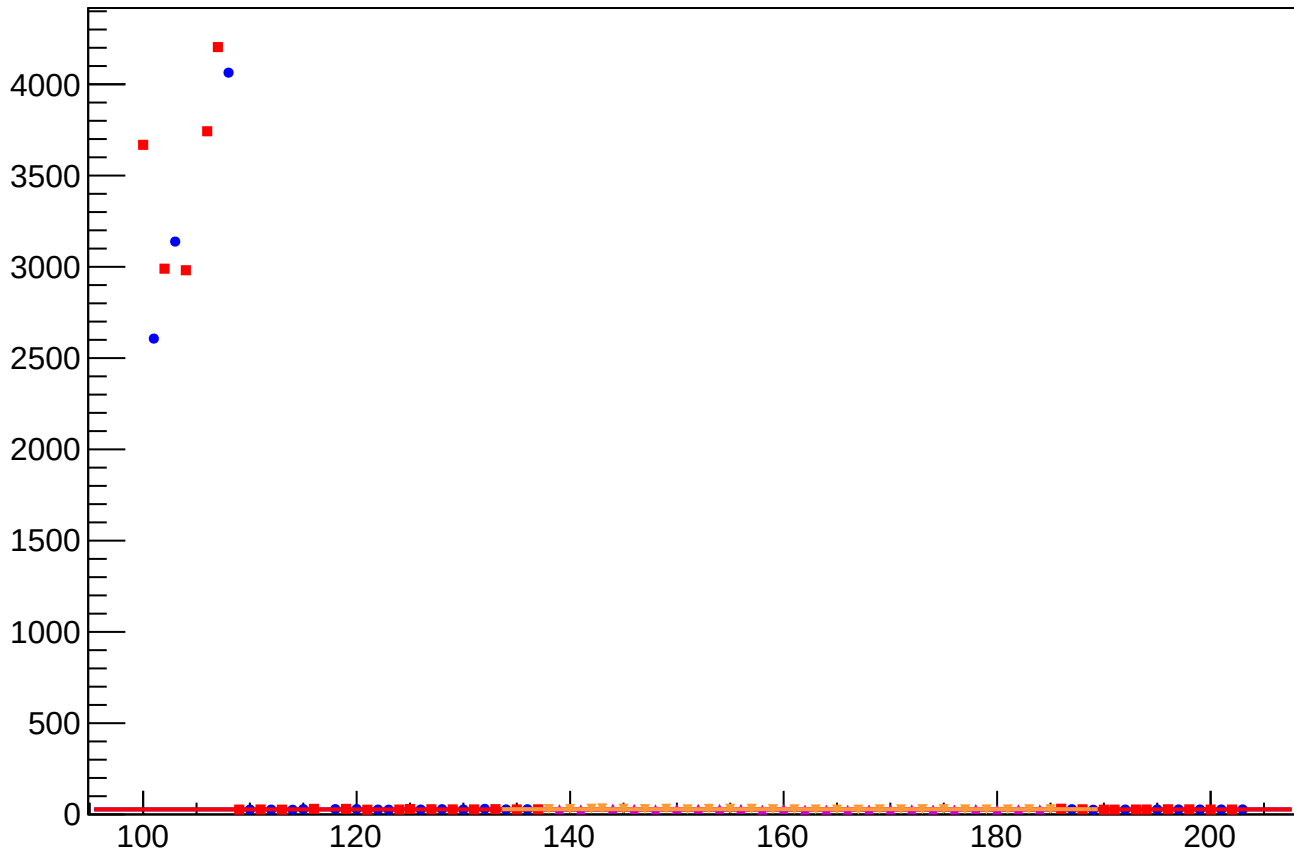
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -6.538 ± 5.268 χ^2/NDF : 47.4/49

All: -6.477 ± 3.728 χ^2/NDF : 101.0/101

- sign -6.416 ± 5.277 χ^2/NDF : 53.6/51

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.641 $\pm$ 0.006 χ^2 /NDF: 3037186.5/24

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.666 $\pm$ 0.006 χ^2 /NDF: 3500804.0/28

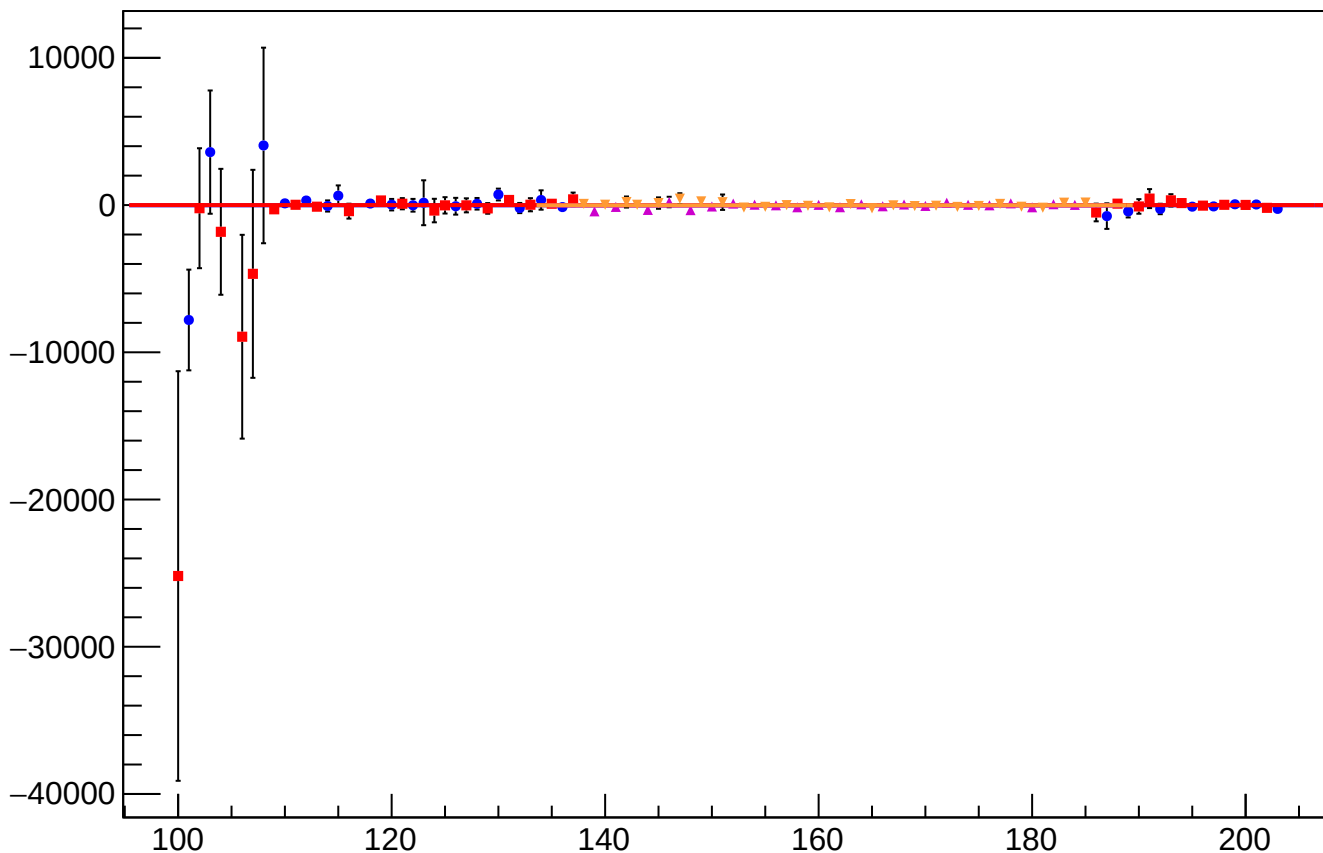
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.360 $\pm$ 0.004 χ^2 /NDF: 3182600.2/49

All: 28.342 $\pm$ 0.003 χ^2 /NDF: 6835006.2/101

- sign 28.323 $\pm$ 0.004 χ^2 /NDF: 3652355.7/51

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -15.823 ± 56.318 χ^2/NDF : 19.0/24

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: -0.842 ± 55.663 χ^2/NDF : 15.3/28

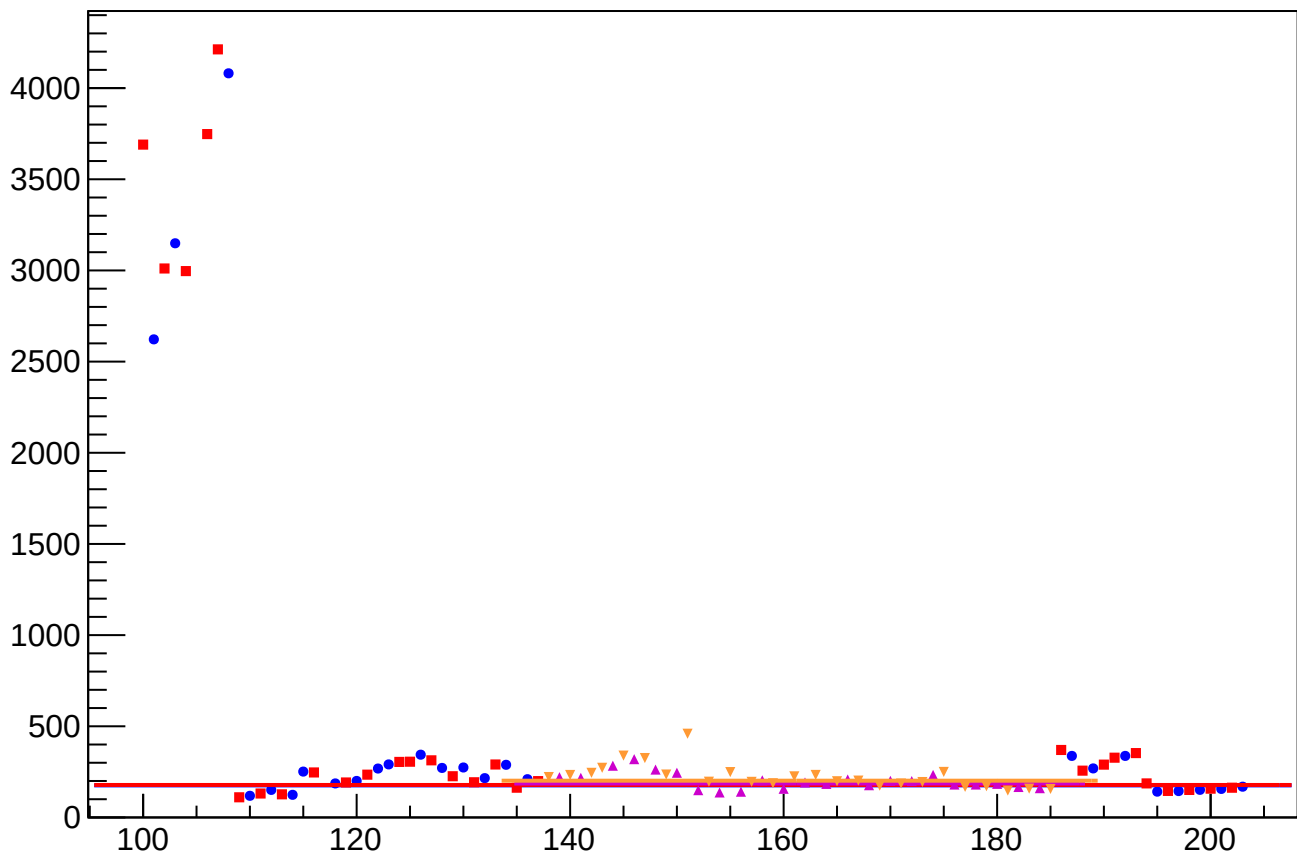
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -15.666 ± 36.832 χ^2/NDF : 27.0/49

All: -17.259 ± 25.606 χ^2/NDF : 50.7/101

- sign -18.749 ± 35.622 χ^2/NDF : 23.7/51

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.828+/-0.040 χ^2/NDF : 4445663.4/24

Left Out: 201.600+/-0.034 χ^2/NDF : 1857453.2/24

Right Out: 178.153+/-0.039 χ^2/NDF : 5262480.3/28

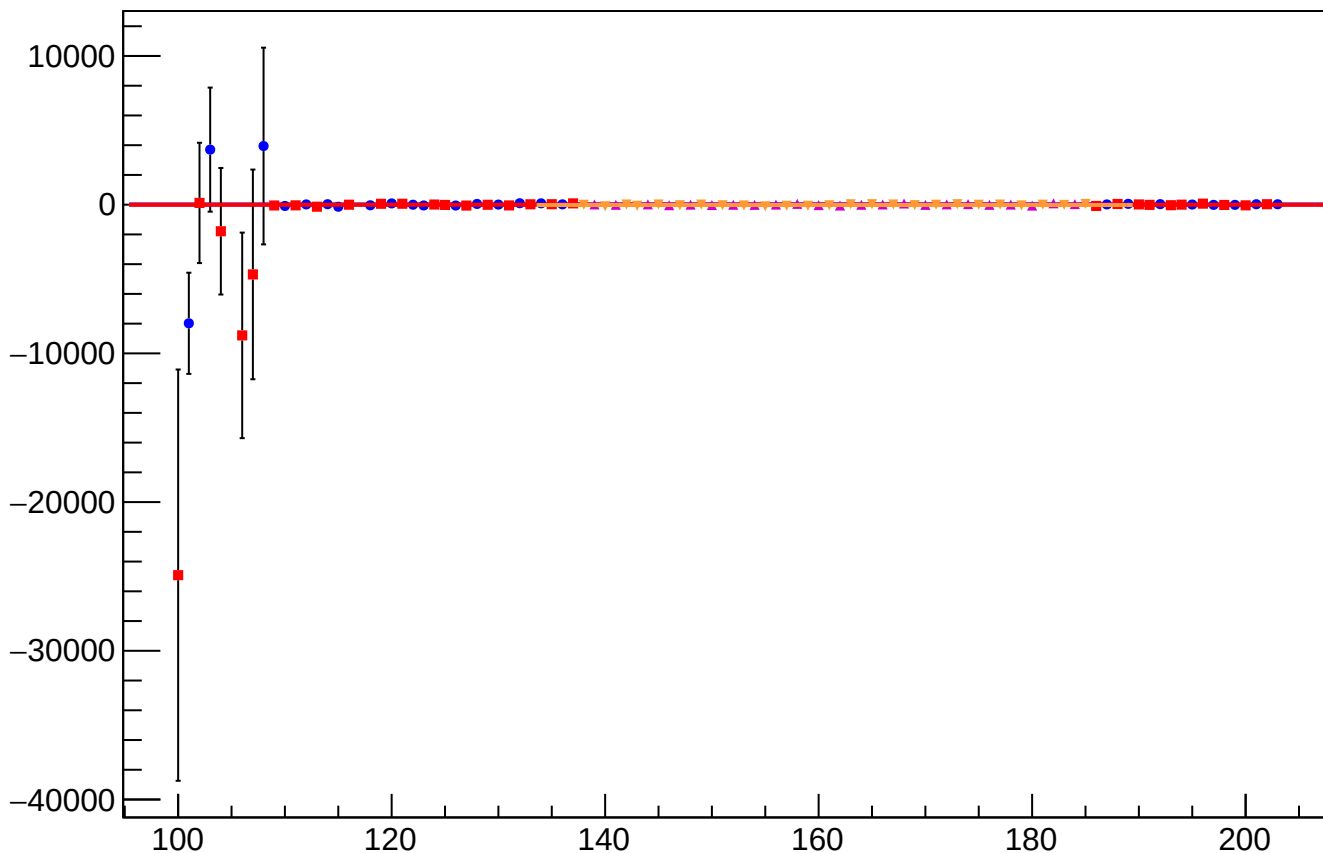
Left In: 186.107+/-0.033 χ^2/NDF : 1391327.2/22

+ sign 190.577+/-0.026 χ^2/NDF : 6542795.2/49

All: 186.584+/-0.018 χ^2/NDF : 13266201.3/10

- sign 182.849+/-0.025 χ^2/NDF : 6677918.0/51

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 12.385+/-10.333 χ^2/NDF : 22.8/24

Left Out: -23.360+/-8.064 χ^2/NDF :25.8/24

Right Out: -4.298+/-9.949 χ^2/NDF : 31.9/28

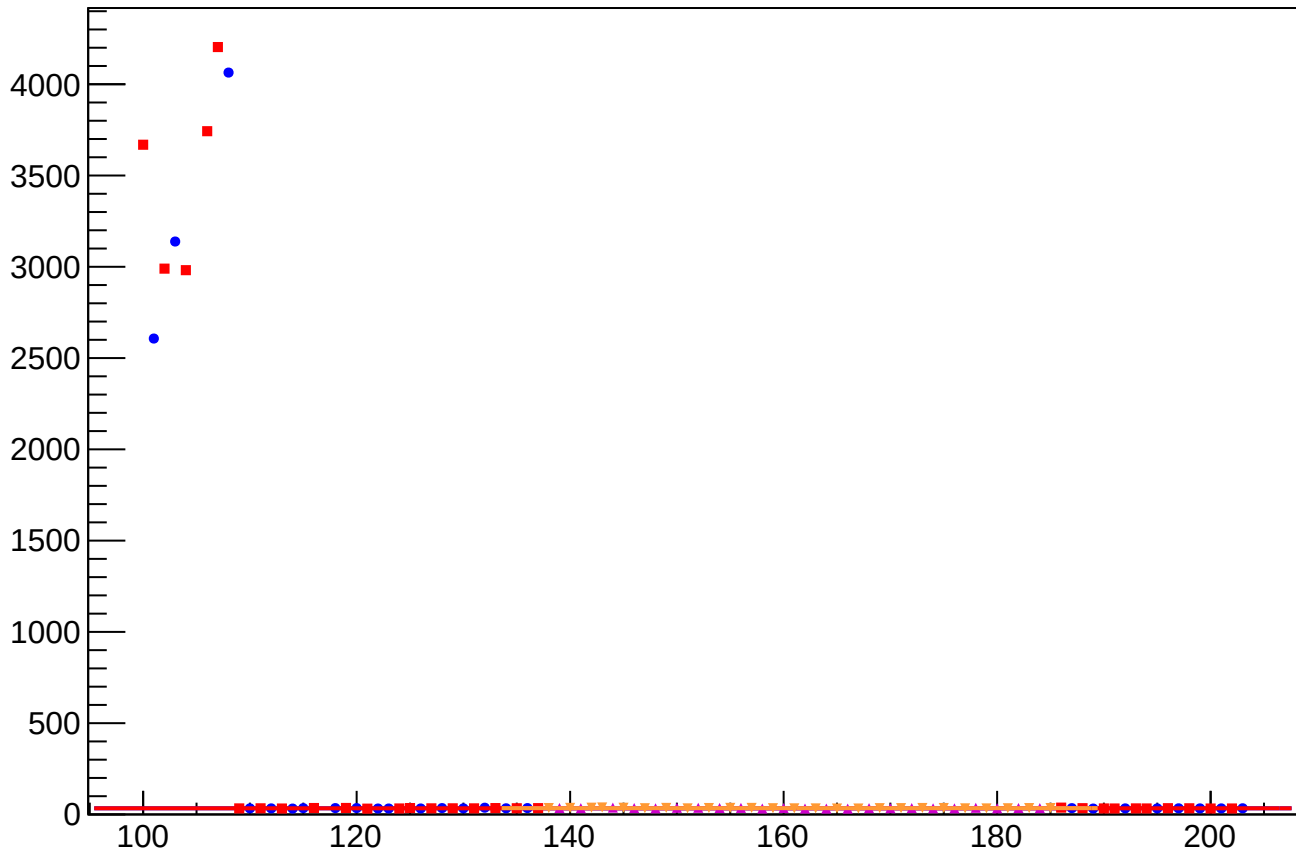
Left In: 6.001+/-8.309 χ^2/NDF :21.1/22

+ sign -9.828+/-6.357 χ^2/NDF : 56.1/49

All: -4.048+/-4.502 χ^2/NDF : 111.4/101

- sign 1.770+/-6.377 χ^2/NDF : 53.7/51

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.719 $\pm$ 0.007 χ^2 /NDF: 3012042.9/24

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.728 $\pm$ 0.007 χ^2 /NDF: 3465808.5/28

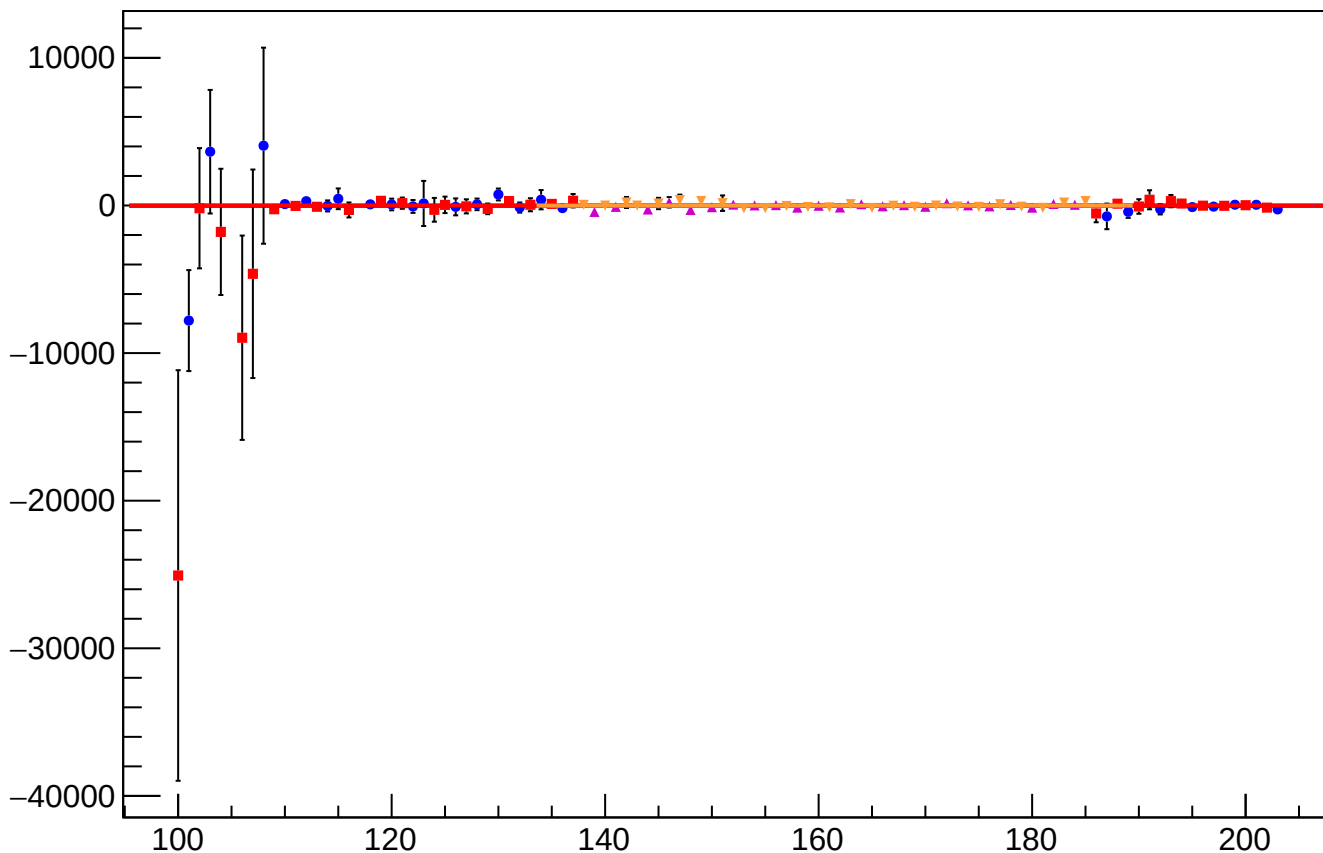
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.275 $\pm$ 0.004 χ^2 /NDF: 3079332.1/49

All: 34.283 $\pm$ 0.003 χ^2 /NDF: 6616370.7/101

- sign 34.292 $\pm$ 0.005 χ^2 /NDF: 3537031.9/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -18.706 ± 56.145 χ^2/NDF : 18.6/24

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 2.672 ± 55.426 χ^2/NDF : 13.8/28

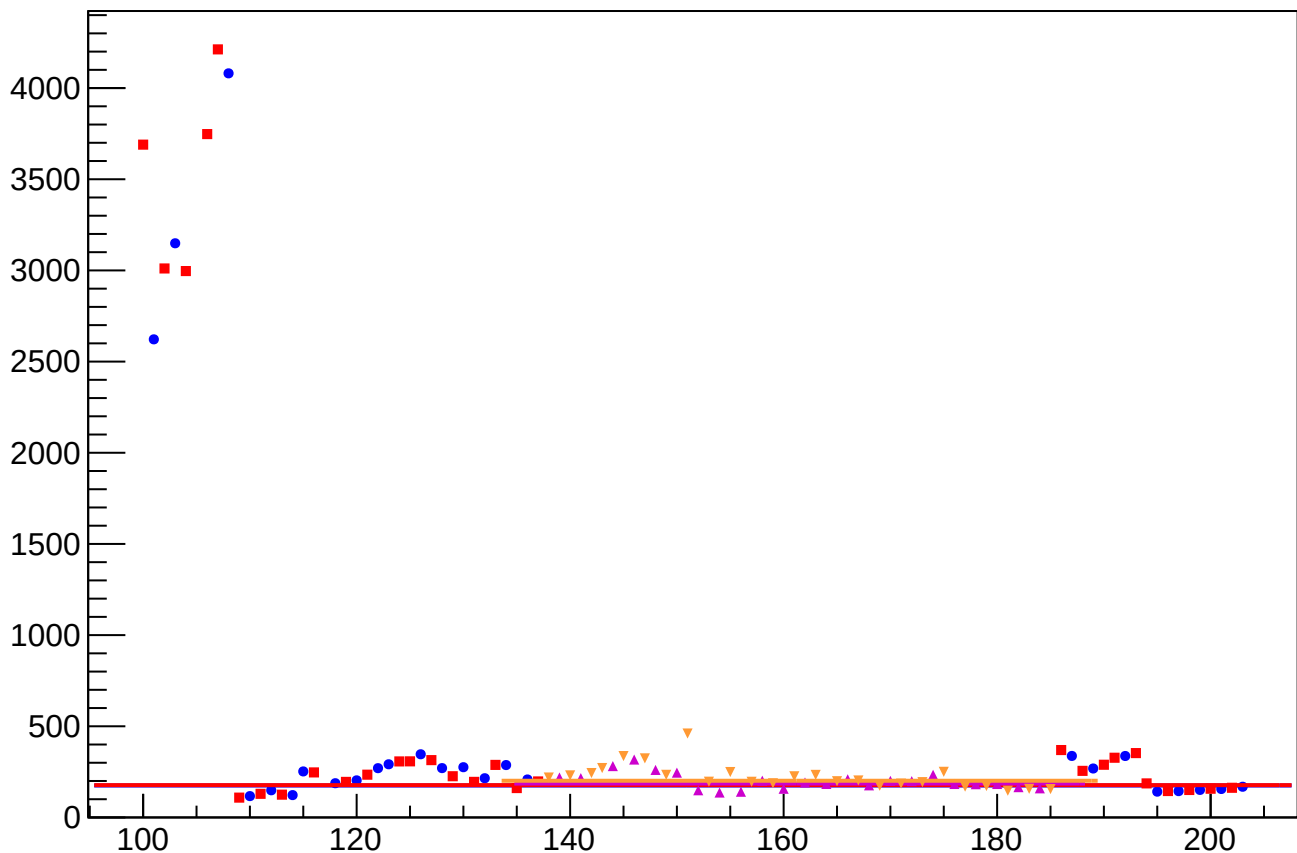
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -13.111 ± 36.752 χ^2/NDF : 27.2/49

All: -16.157 ± 25.545 χ^2/NDF : 48.7/101

- sign -19.004 ± 35.532 χ^2/NDF : 21.5/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.170 $\pm$ 0.040 χ^2 /NDF: 4475379.1/24

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 177.171 $\pm$ 0.039 χ^2 /NDF: 5313017.3/28

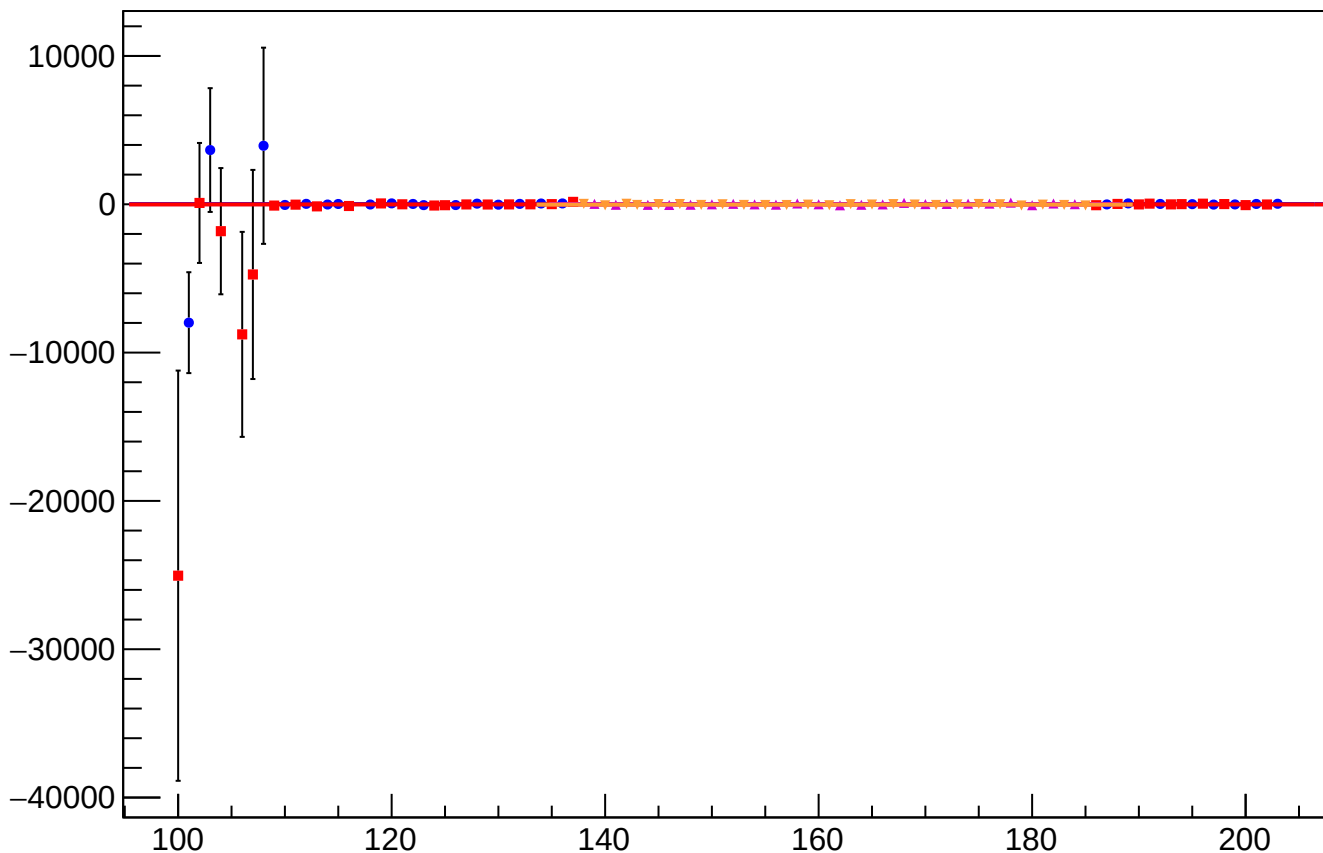
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 190.101 $\pm$ 0.026 χ^2 /NDF: 6574029.7/49

All: 186.062 $\pm$ 0.018 χ^2 /NDF: 13344479.2/10

- sign 182.286 $\pm$ 0.025 χ^2 /NDF: 6723699.1/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 13.080 $\pm$ 9.368 χ^2 /NDF: 17.7/24

Left Out: -22.879 $\pm$ 7.340 χ^2 /NDF:18.8/24

Right Out: -9.721 $\pm$ 9.023 χ^2 /NDF: 36.6/28

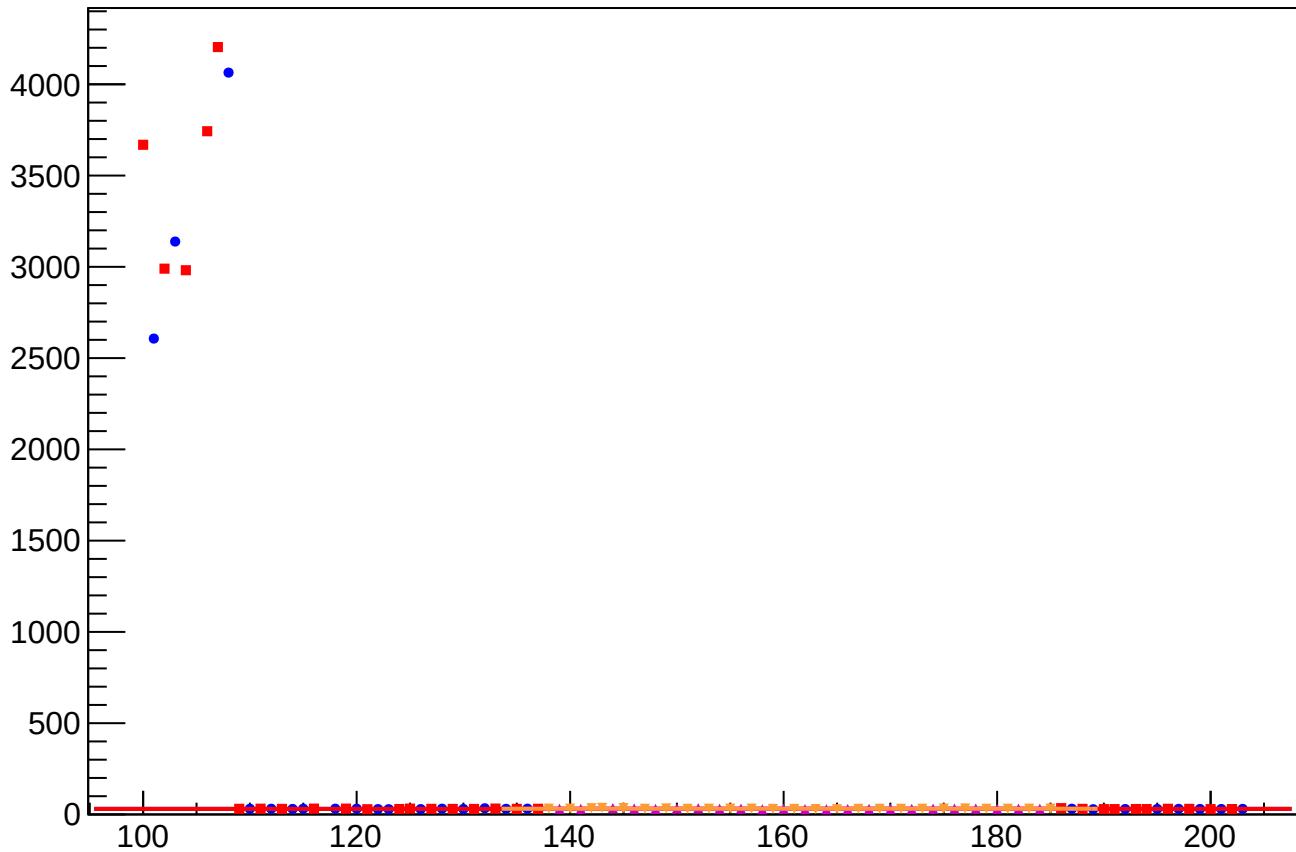
Left In: 5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

+ sign -9.200 $\pm$ 5.778 χ^2 /NDF: 45.6/49

All: -4.863 $\pm$ 4.090 χ^2 /NDF: 123.4/101

- sign -0.508 $\pm$ 5.790 χ^2 /NDF: 76.7/51

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.562 $\pm$ 0.007 χ^2 /NDF: 3025770.5/24

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.560 $\pm$ 0.006 χ^2 /NDF: 3480777.5/28

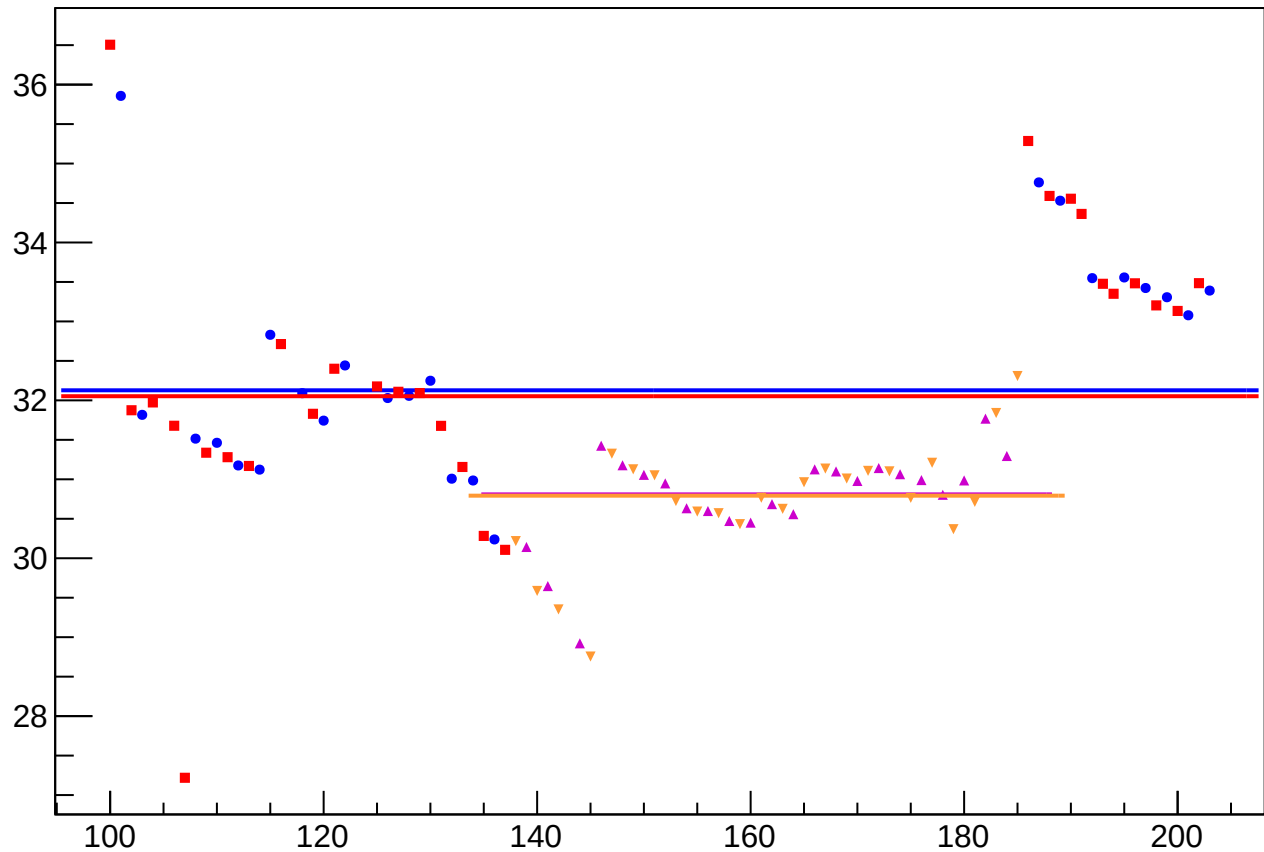
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.132 $\pm$ 0.004 χ^2 /NDF: 3120160.8/49

All: 31.118 $\pm$ 0.003 χ^2 /NDF: 6701280.1/101

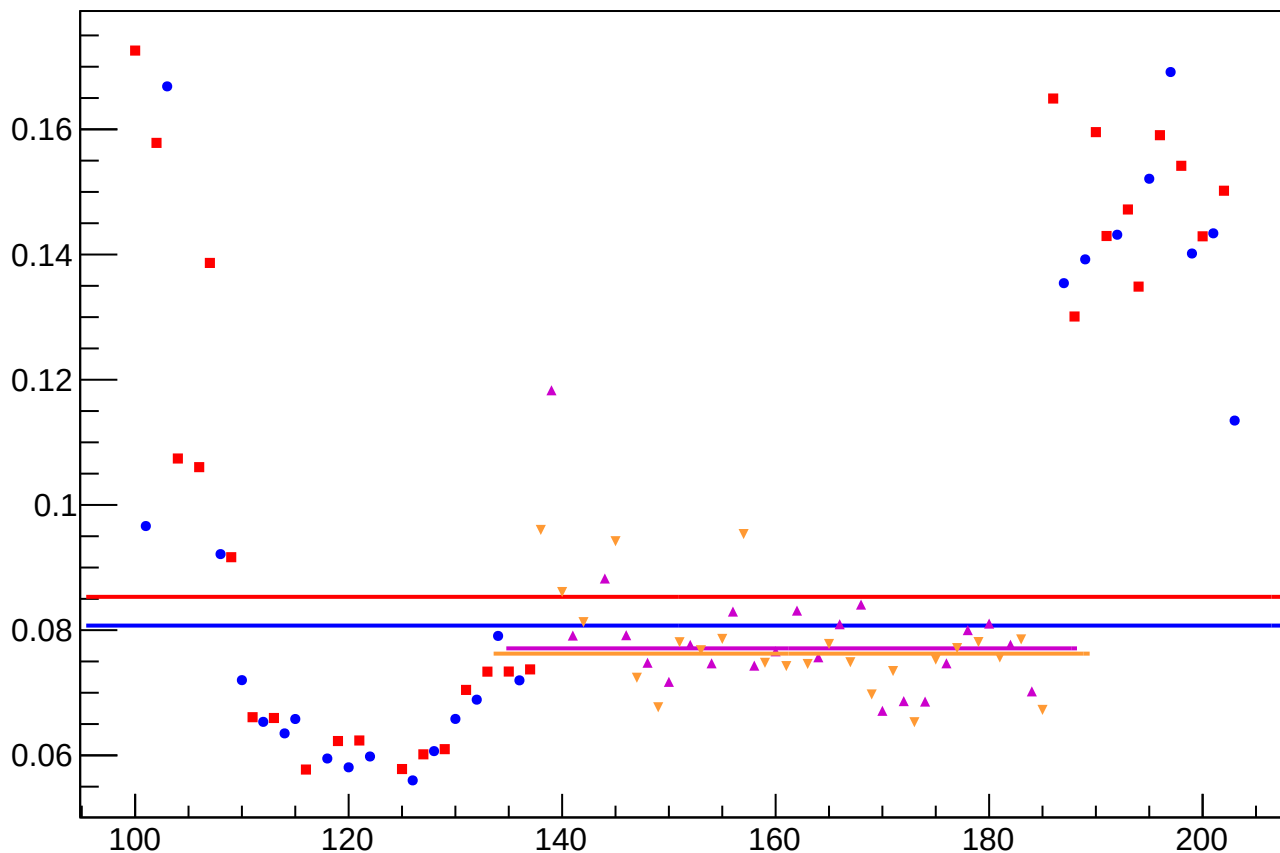
- sign 31.104 $\pm$ 0.004 χ^2 /NDF: 3581096.1/51

yield_usl_mean vs Slug



Right In: 32.128+/-0.000	χ^2/NDF : 2225799765.4/23	+ sign 31.265+/-0.000	χ^2/NDF : 4973834434.1/47
Left Out: 30.793+/-0.000	χ^2/NDF : 1007261340.7/23	All: 31.259+/-0.000	χ^2/NDF : 9299519151.9/50
Right Out: 32.053+/-0.000	χ^2/NDF : 2031907179.4/27	- sign 31.253+/-0.000	χ^2/NDF : 4325376493.9/50
Left In: 30.809+/-0.000	χ^2/NDF : 821961762.3/22		

yield_usl_rms vs Slug



Right In: 0.081+/-0.000 χ^2/NDF : 3023711.4/23

Left Out: 0.076+/-0.000 χ^2/NDF :277876.5/23

Right Out: 0.085+/-0.000 χ^2/NDF : 3527921.6/27

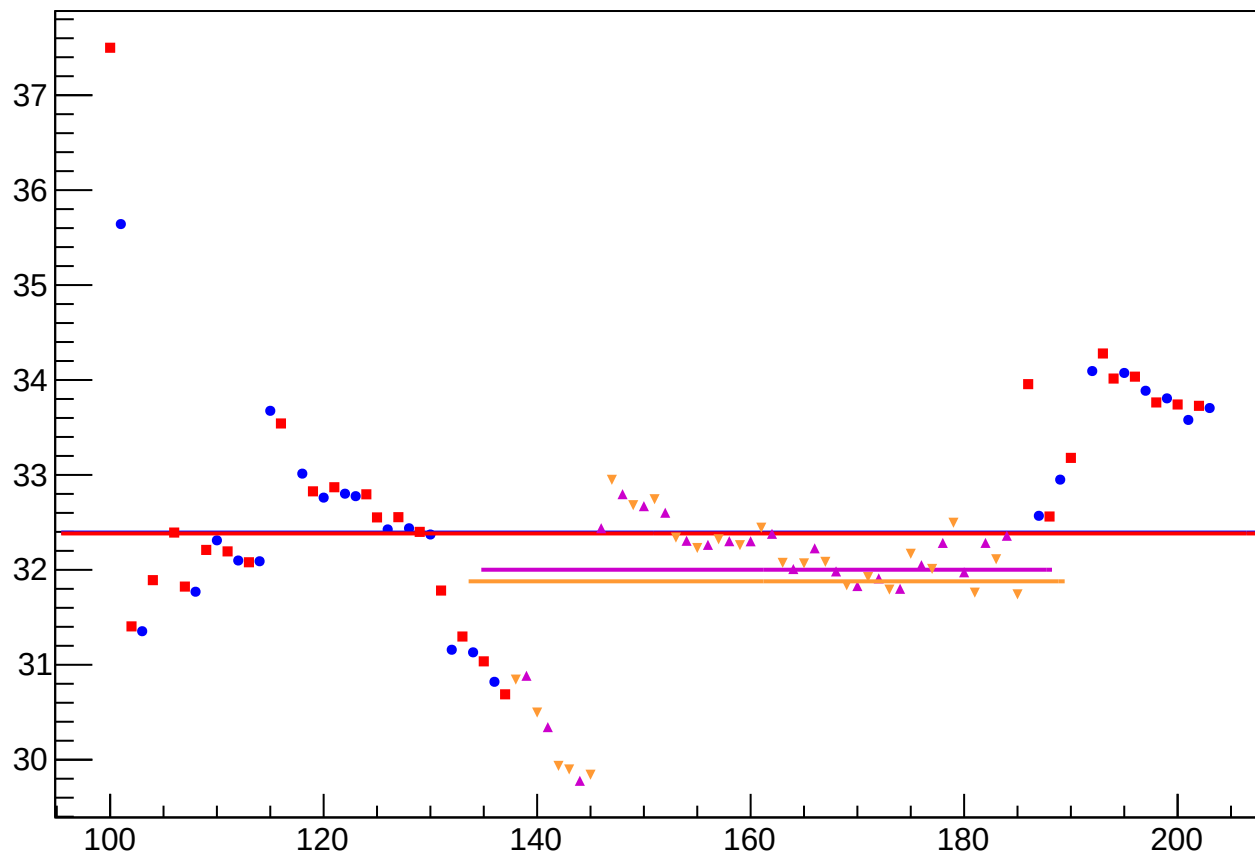
Left In: 0.077+/-0.000 χ^2/NDF :325844.3/22

+ sign 0.078+/-0.000 χ^2/NDF : 3340821.3/47

All: 0.079+/-0.000 χ^2/NDF : 7343783.7/98

- sign 0.080+/-0.000 χ^2/NDF : 3982704.9/50

yield_usr_mean vs Slug



Right In: 32.393+/-0.000 χ^2/NDF : 1255940083.2/24

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.383+/-0.000 χ^2/NDF : 752769140.0/27

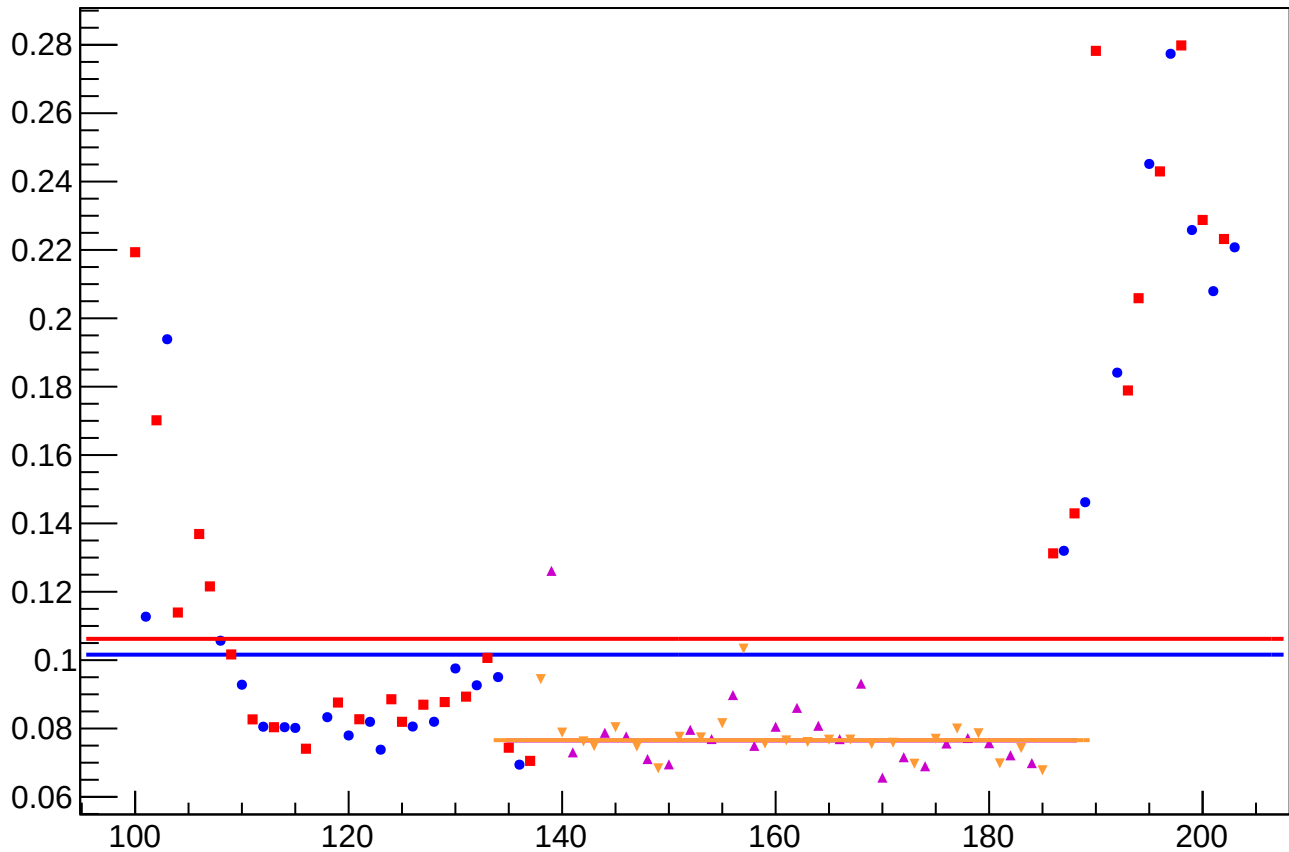
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 32.002+/-0.000 χ^2/NDF : 3414232171.9/49

All: 32.049+/-0.000 χ^2/NDF : 5695334581.2/100

- sign 32.097+/-0.000 χ^2/NDF : 2264383870.1/50

yield_usr_rms vs Slug



Right In: 0.102 $\pm$ 0.000 χ^2 /NDF: 3832032.7/24

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 3778483.7/27

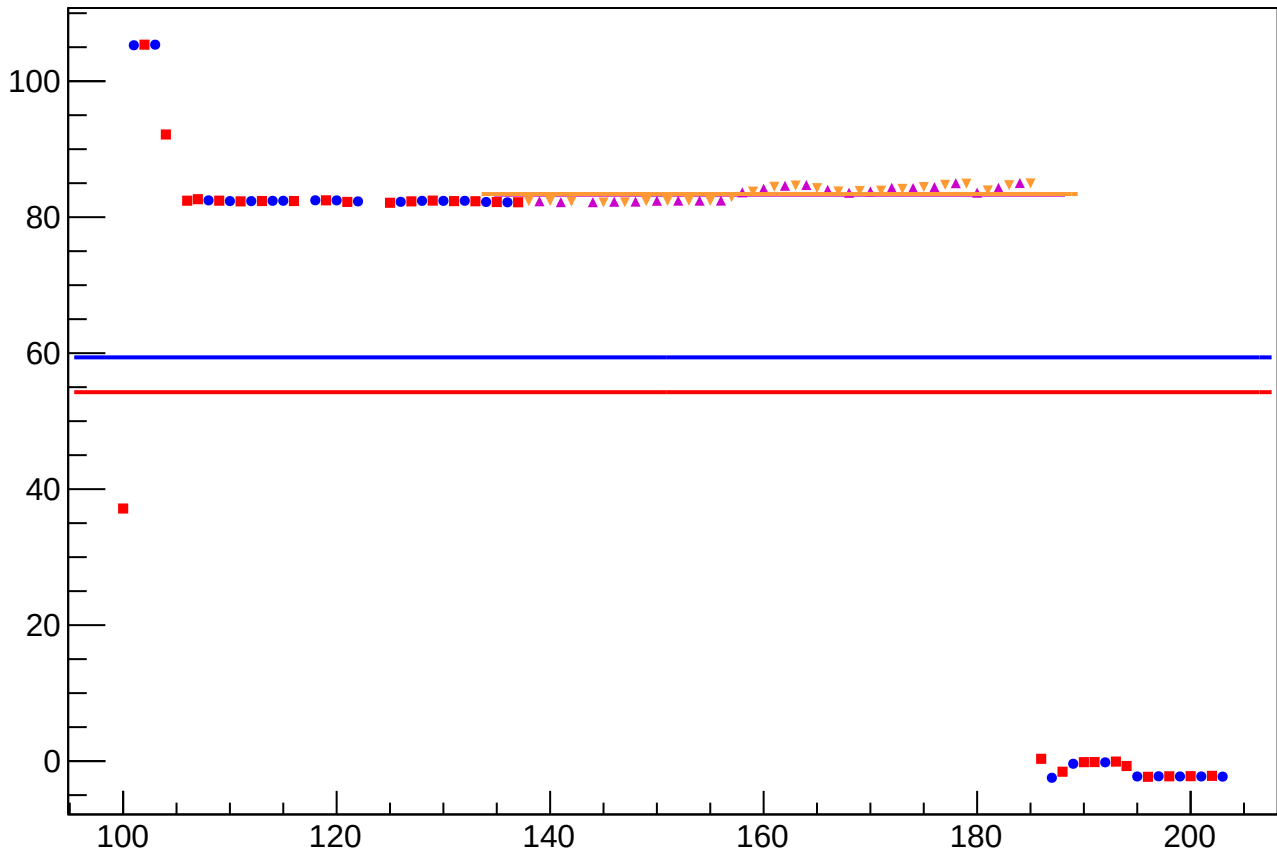
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.083 $\pm$ 0.000 χ^2 /NDF: 4905082.7/49

All: 0.083 $\pm$ 0.000 χ^2 /NDF: 10340331.4/100

- sign 0.084 $\pm$ 0.000 χ^2 /NDF: 5428359.6/50

yield_dsl_mean vs Slug



Right In: 59.383+/-0.000 χ^2/NDF : 9261203658941.2/23

Left Out: 83.402+/-0.000 χ^2/NDF : 8756634444.3/23

Right Out: 54.262+/-0.000 χ^2/NDF : 10448107472530.4/27

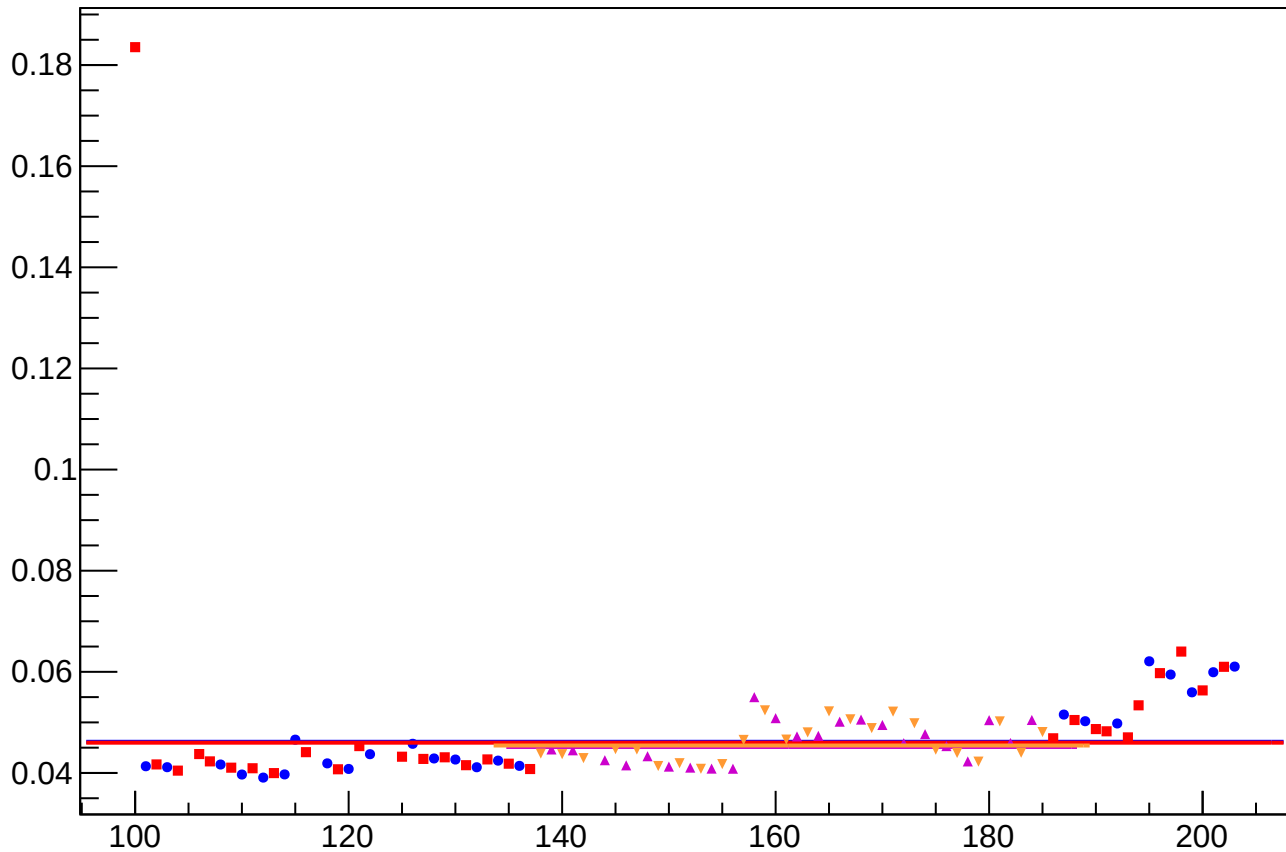
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 73.896+/-0.000 χ^2/NDF : 11161994201409.8

All: 72.457+/-0.000 χ^2/NDF : 2462820448543

- sign 71.083+/-0.000 χ^2/NDF : 13410691679648.0

yield_dsl_rms vs Slug



Right In: 0.046+/-0.000 χ^2/NDF : 582807.9/23

Left Out: 0.045+/-0.000 χ^2/NDF : 206685.9/23

Right Out: 0.046+/-0.000 χ^2/NDF : 584602.3/27

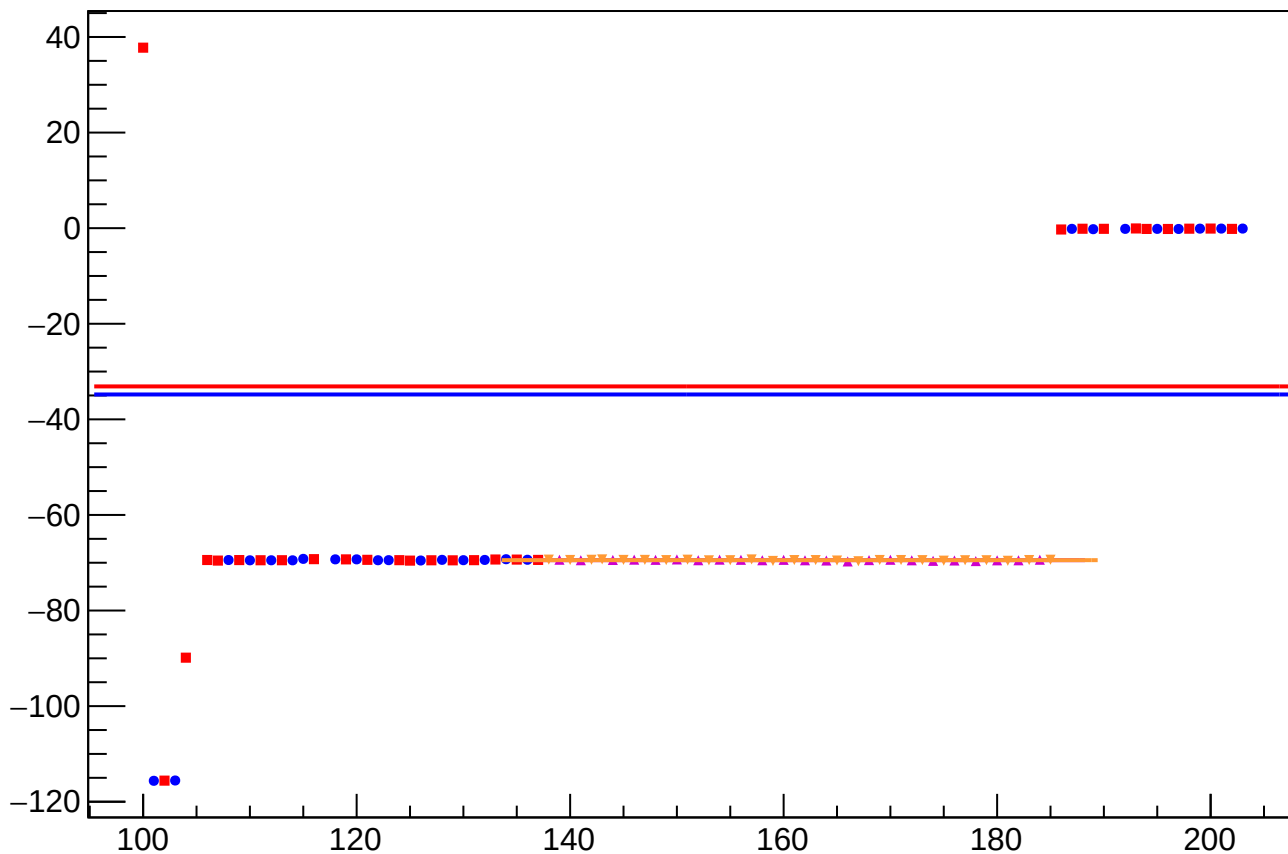
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.046+/-0.000 χ^2/NDF : 793040.3/47

All: 0.046+/-0.000 χ^2/NDF : 1626246.0/98

- sign 0.045+/-0.000 χ^2/NDF : 832513.2/50

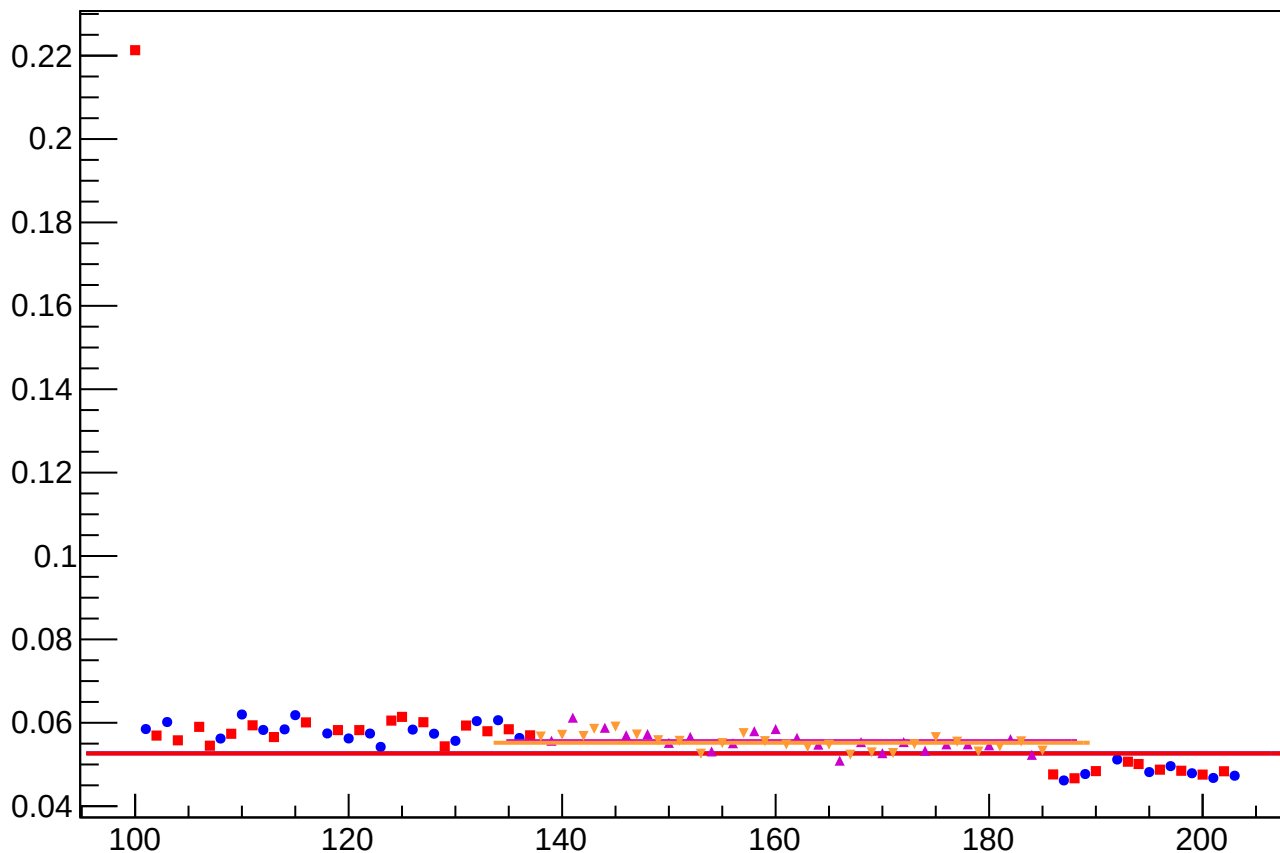
yield_dsr_mean vs Slug



Right In: -34.795 ± 0.000 $\chi^2/\text{NDF}: 6779485823818.9/24$
 Left Out: -69.461 ± 0.000 $\chi^2/\text{NDF}: 49572401.9/24$
 Right Out: -33.109 ± 0.000 $\chi^2/\text{NDF}: 6664503874427.4/27$
 Left In: -69.458 ± 0.000 $\chi^2/\text{NDF}: 52798704.3/22$

+ sign -54.871 ± 0.000 $\chi^2/\text{NDF}: 9728513943282.6/24$
 All: -53.842 ± 0.000 $\chi^2/\text{NDF}: 197120610799.4/24$
 - sign -52.812 ± 0.000 $\chi^2/\text{NDF}: 9962226526642.1/5$

yield_dsr_rms vs Slug



Right In: 0.053 $\pm$ 0.000 χ^2 /NDF: 217916.6/24

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 295827.1/27

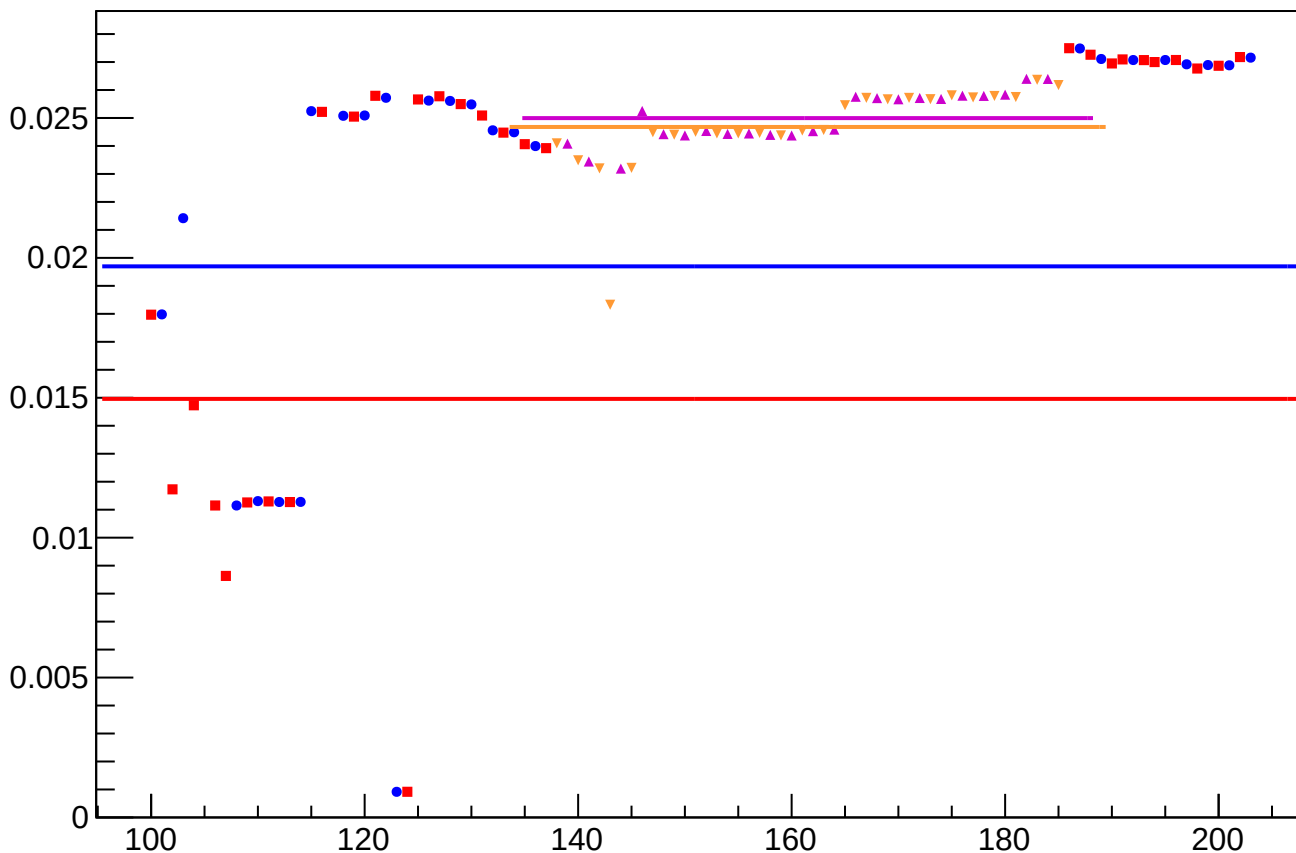
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 288433.3/49

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 679885.6/100

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 391339.6/50

yield_atl1_mean vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 173386037482.7/24

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 371534636918.8/28

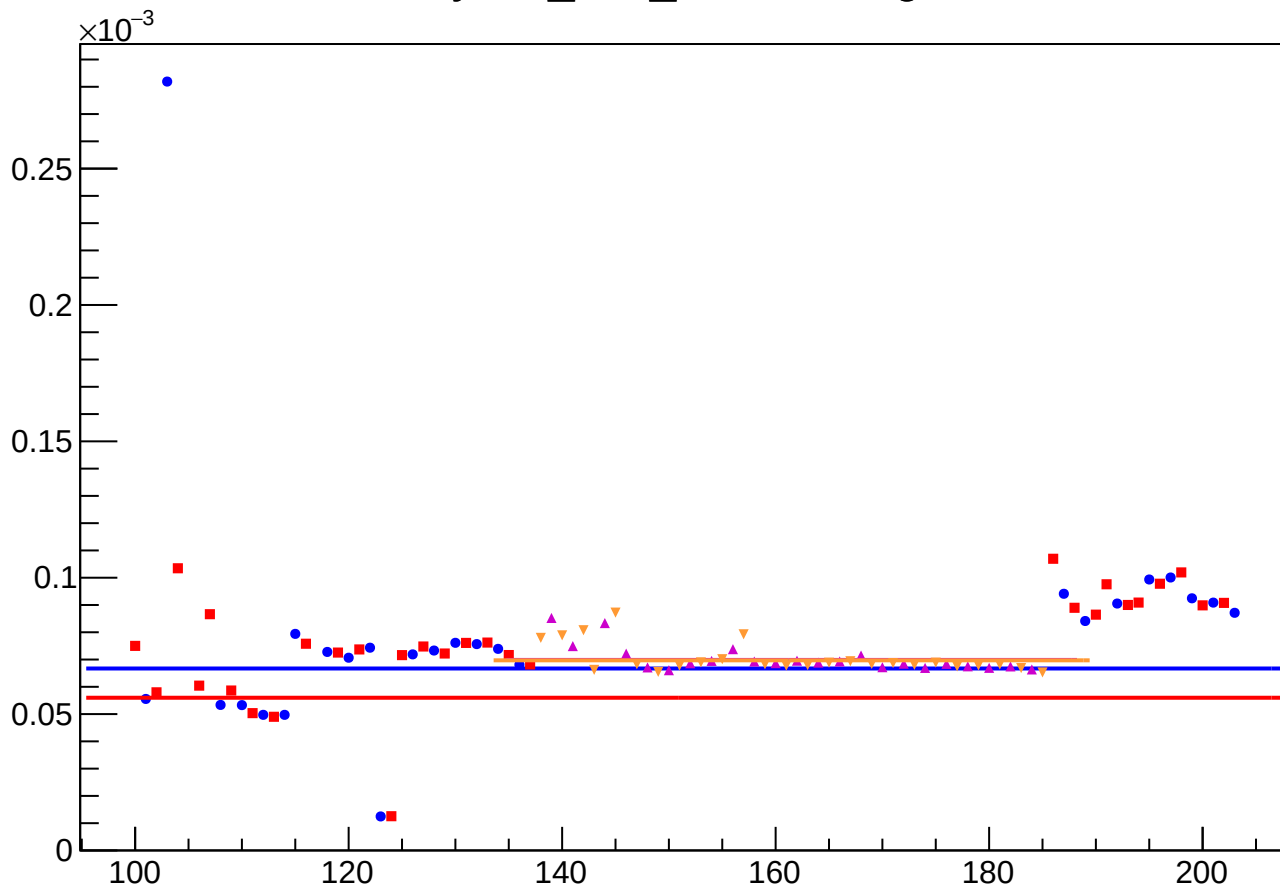
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 218434178921.4/49

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 778484265492.2

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 540533050109.3/51

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3162949.5/24

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:158125.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 6212826.4/28

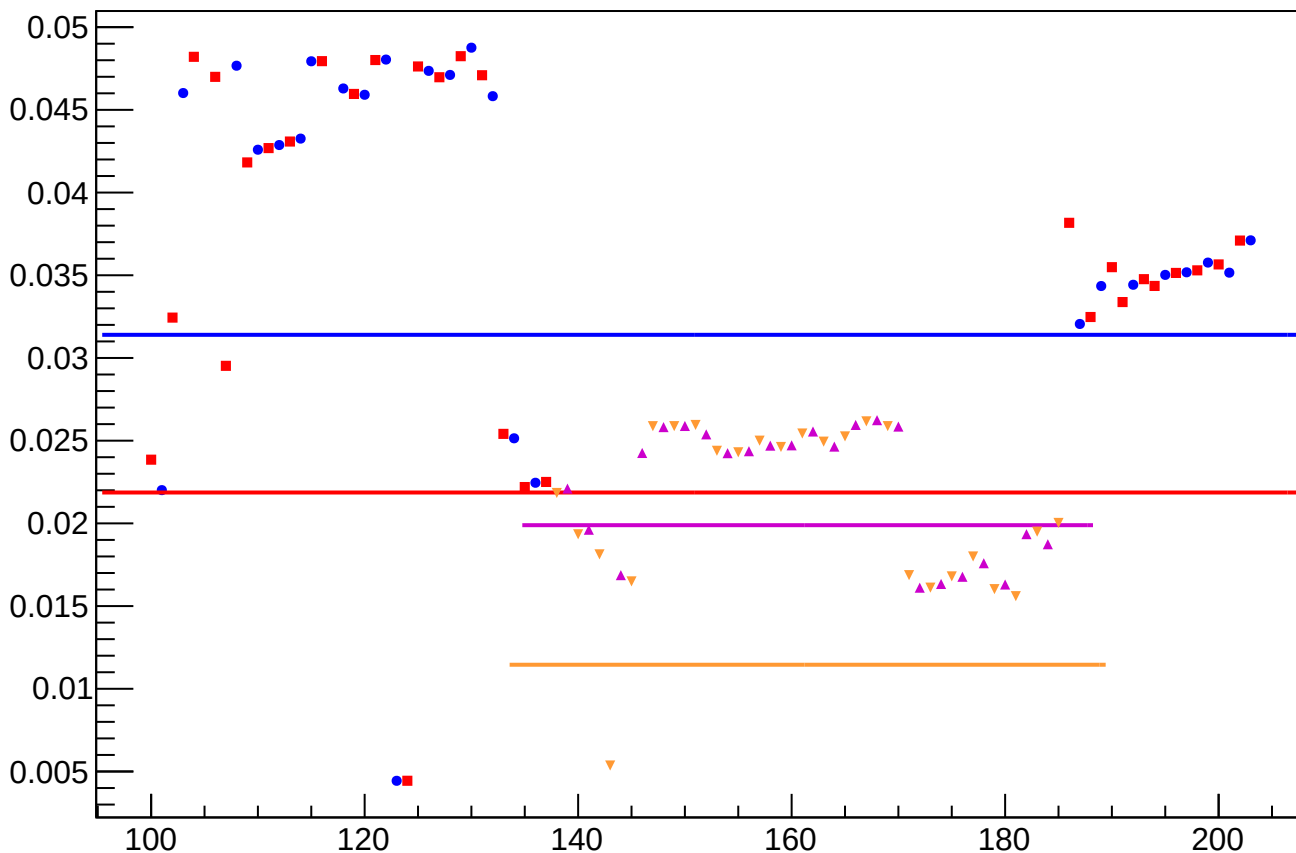
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3346753.3/49

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10496741.7/101

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6977872.0/51

yield_atl2_mean vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 21302752814.7/24

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 43050578279.5/28

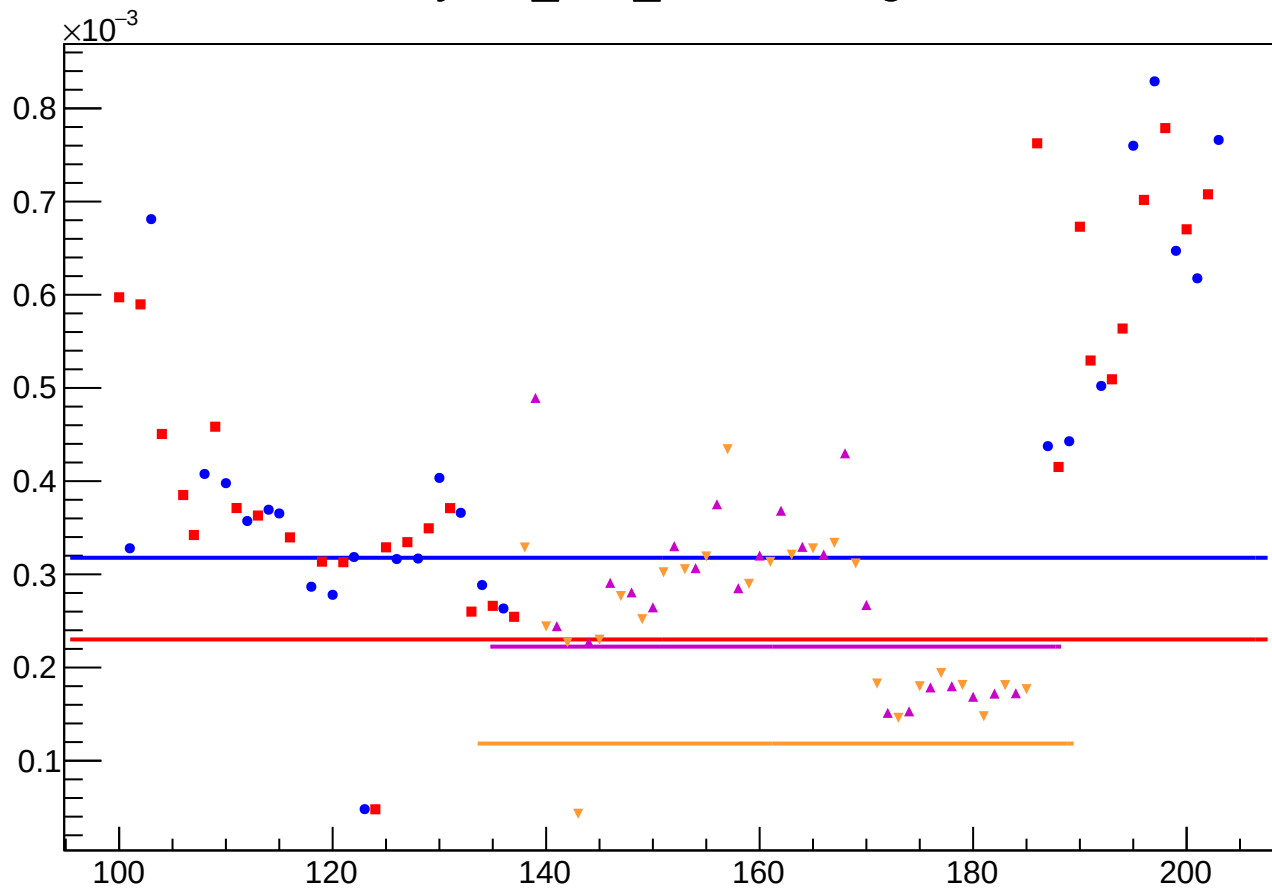
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 91641058493.1/49

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 152989322994.0

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 47869719353.9/51

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5466889.6/24

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10622581.4/28

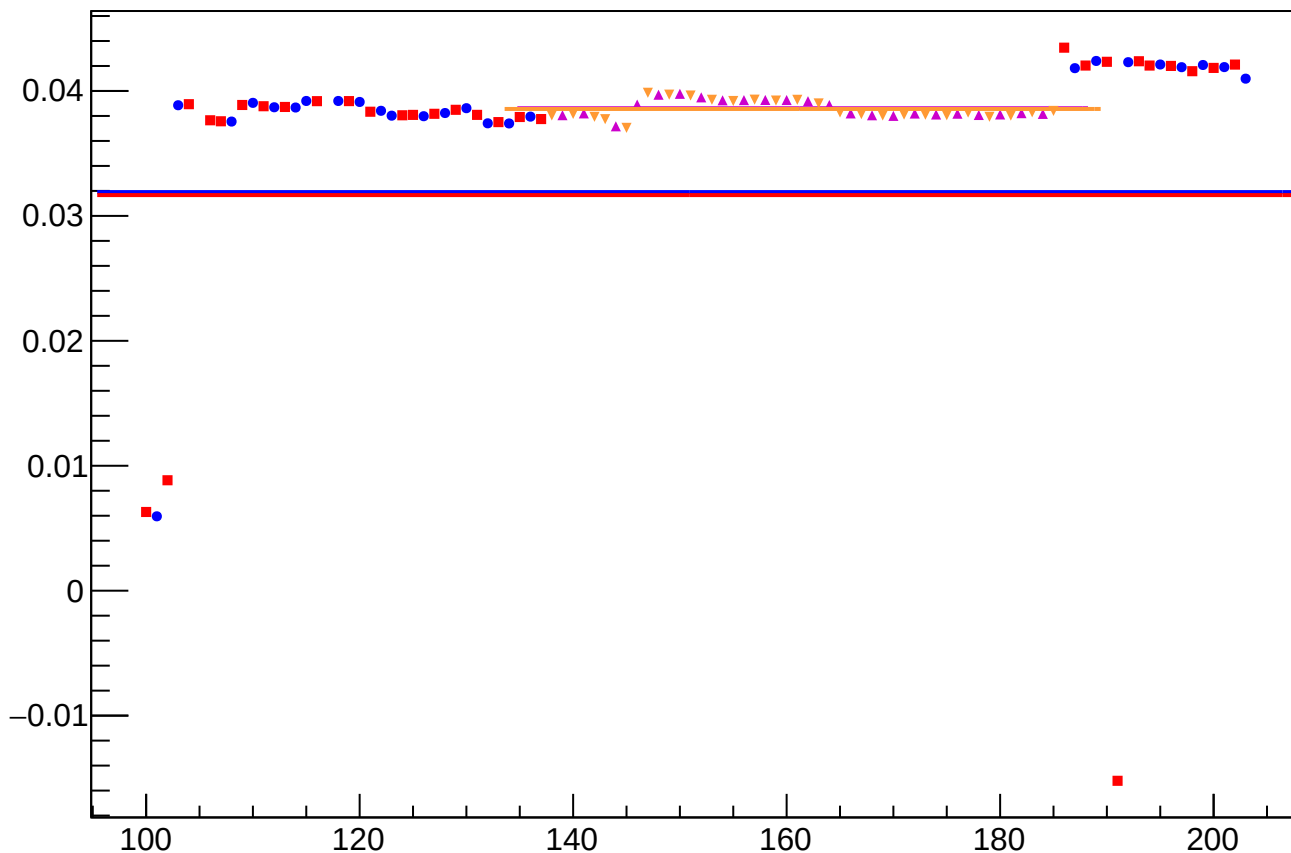
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 25034011.8/49

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 43013865.1/101

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 13914668.5/51

yield_atr1_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 109115208556.7/24

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF:539468437.3/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 175396500634.6/28

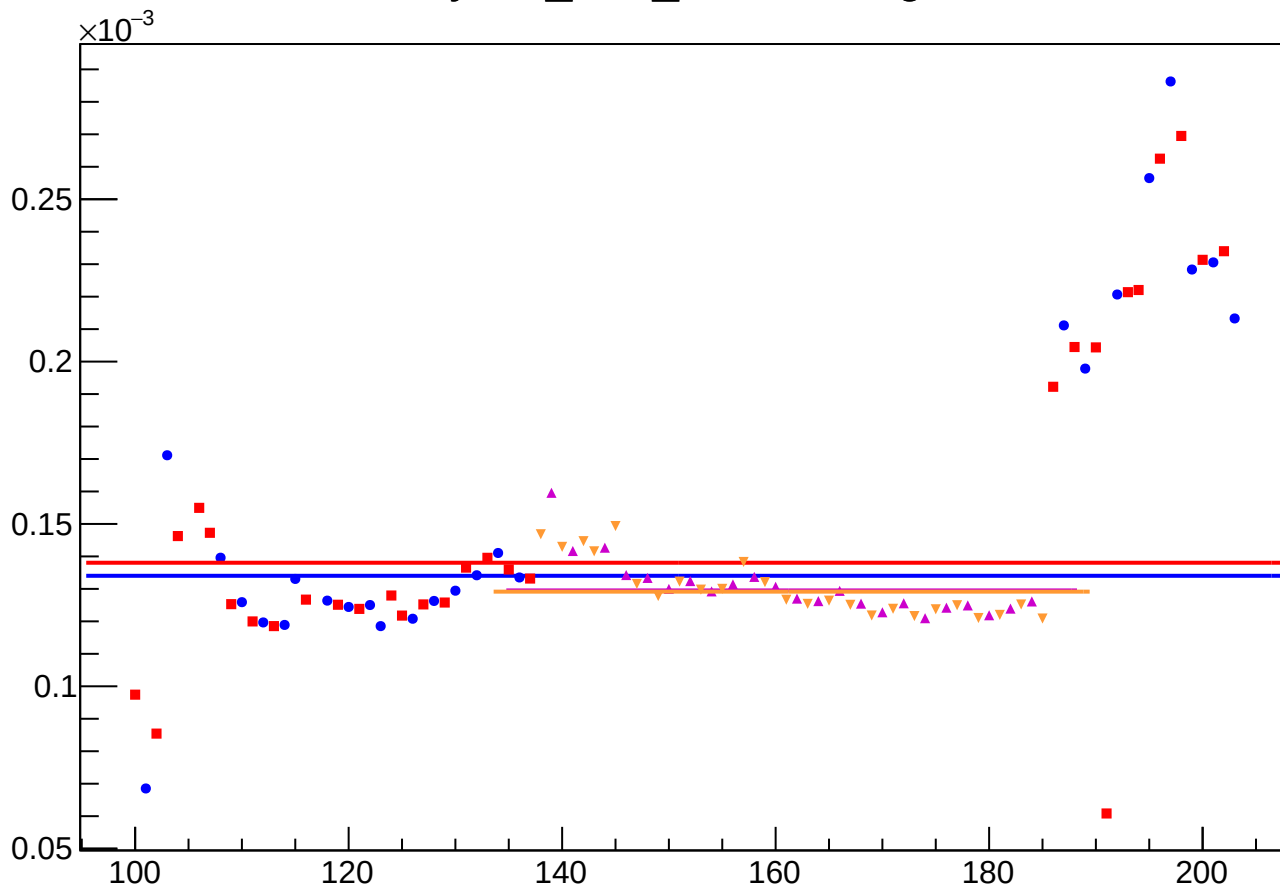
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF:465745982.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 126199642462.1/49

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 320352152364.0

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 194113731306.3/51

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3090641.2/24

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2926976.5/28

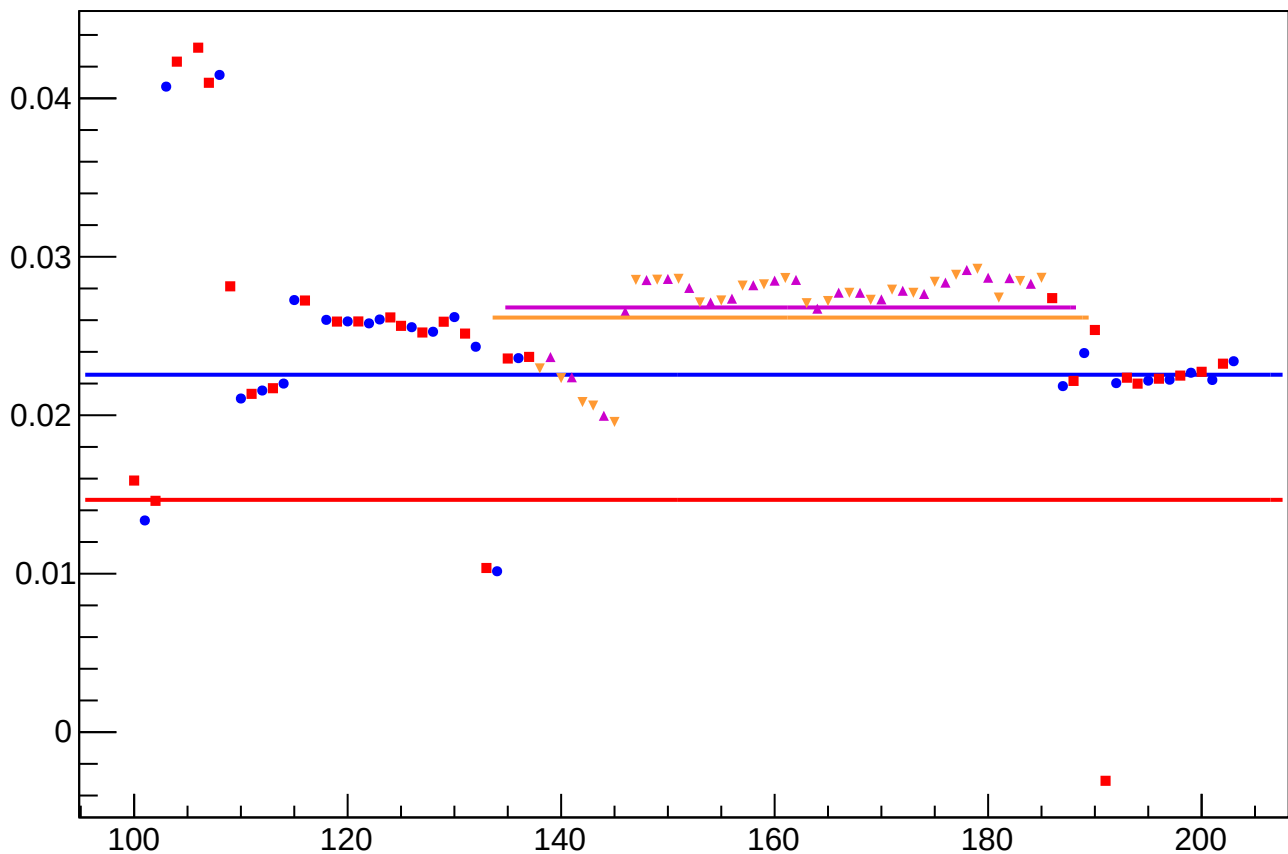
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 3238778.8/49

All: 0.000+/-0.000 χ^2/NDF : 6340969.8/101

- sign 0.000+/-0.000 χ^2/NDF : 3096590.5/51

yield_atr2_mean vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 4245546475.8/24

Left Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 2056710635.1/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 30947317831.9/28

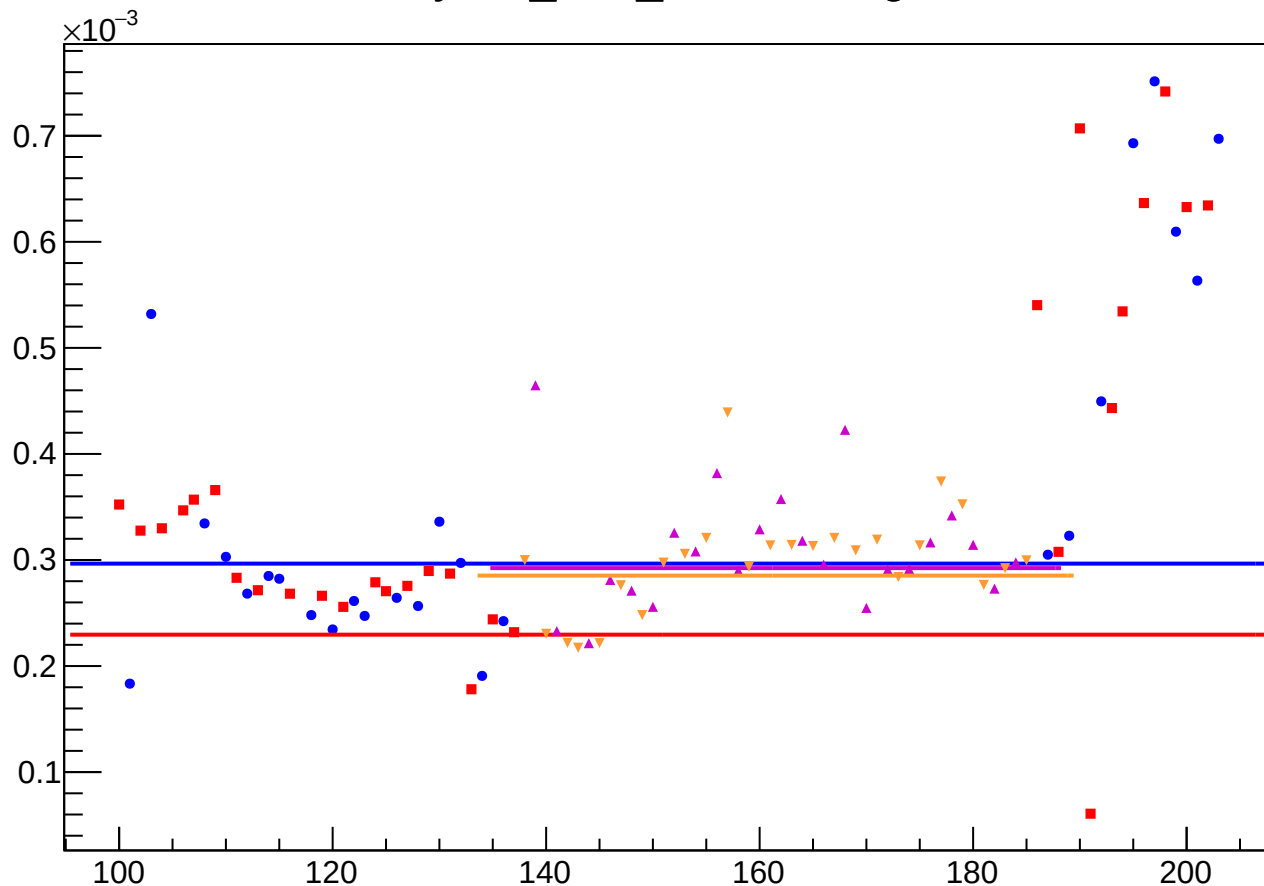
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF: 1332033607.7/22

+ sign 0.025 $\pm$ 0.000 χ^2 /NDF: 7217316324.9/49

All: 0.023 $\pm$ 0.000 χ^2 /NDF: 54527543954.8/1

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 44988341175.6/51

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3450297.2/24

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7634121.2/28

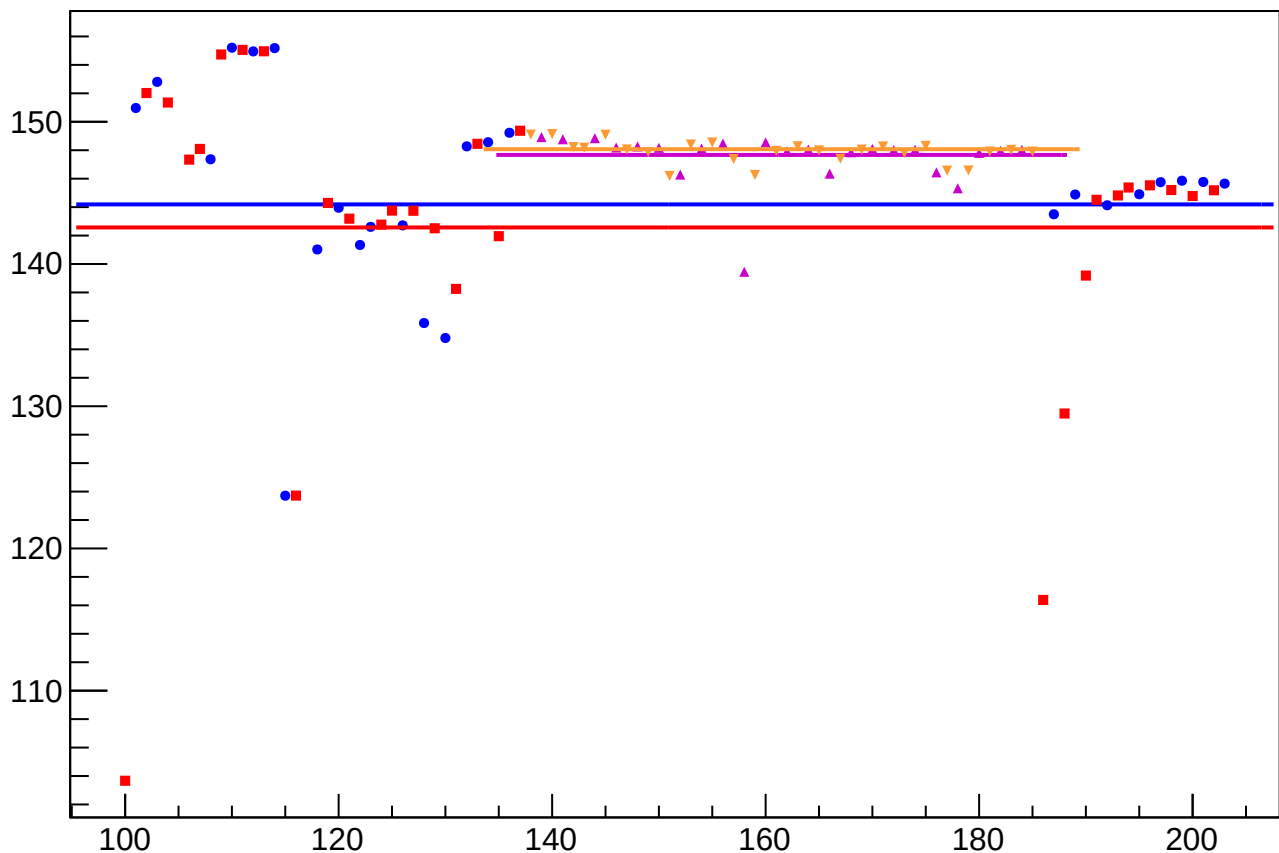
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4281756.1/49

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13717210.4/101

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 9211760.6/51

yield_bcm_an_ds_mean vs Slug



Right In: 144.191 $\pm$ 0.000 χ^2 /NDF: 3485277708.2/24

Left Out: 148.073 $\pm$ 0.000 χ^2 /NDF: 65614067.4/24

Right Out: 142.570 $\pm$ 0.000 χ^2 /NDF: 7377607658.4/28

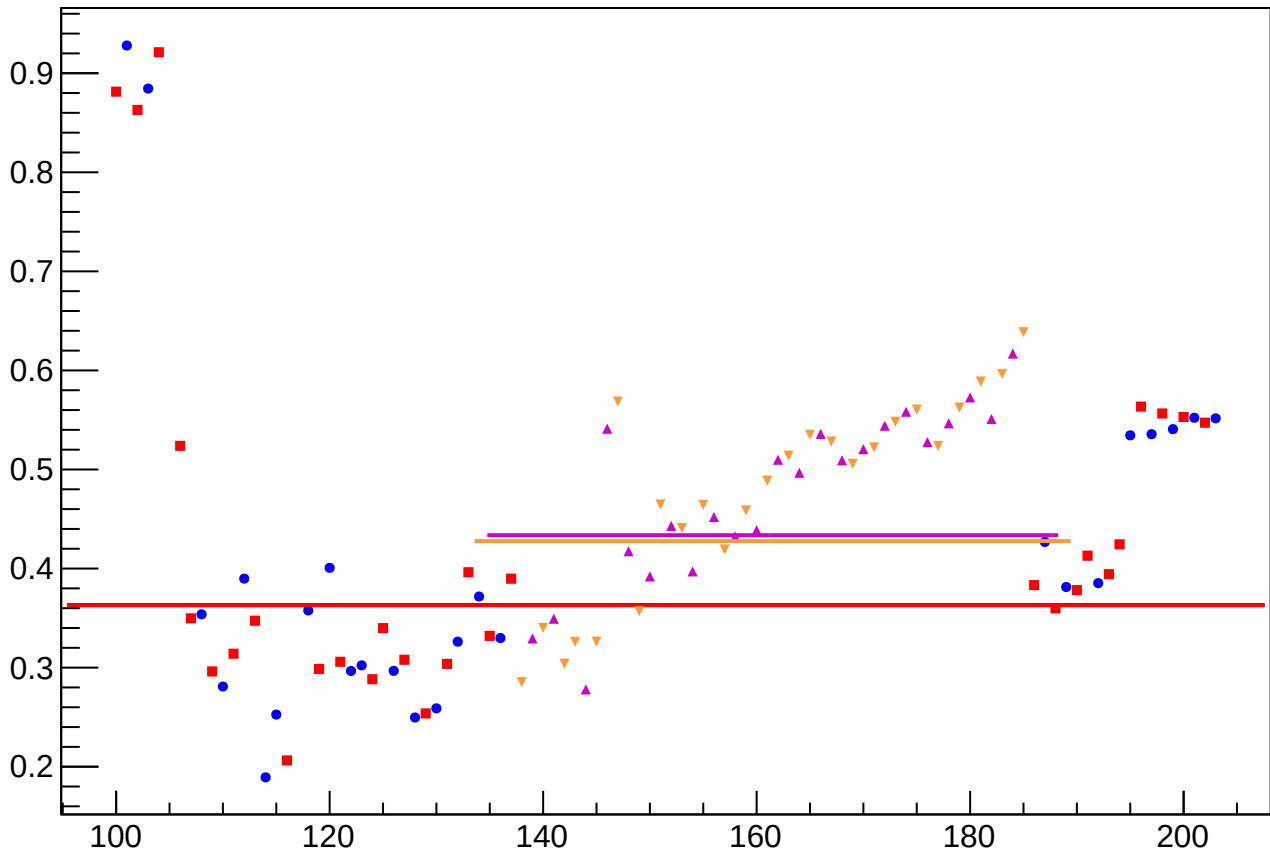
Left In: 147.670 $\pm$ 0.000 χ^2 /NDF: 345222604.4/22

+ sign 146.305 $\pm$ 0.000 χ^2 /NDF: 4187793863.8/49

All: 145.697 $\pm$ 0.000 χ^2 /NDF: 13168043044.

- sign 145.102 $\pm$ 0.000 χ^2 /NDF: 8855554577.7/51

yield_bcm_an_ds_rms vs Slug



Right In: 0.363 $\pm$ 0.000 χ^2 /NDF: 2350626.7/24

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.363 $\pm$ 0.000 χ^2 /NDF: 2152637.3/28

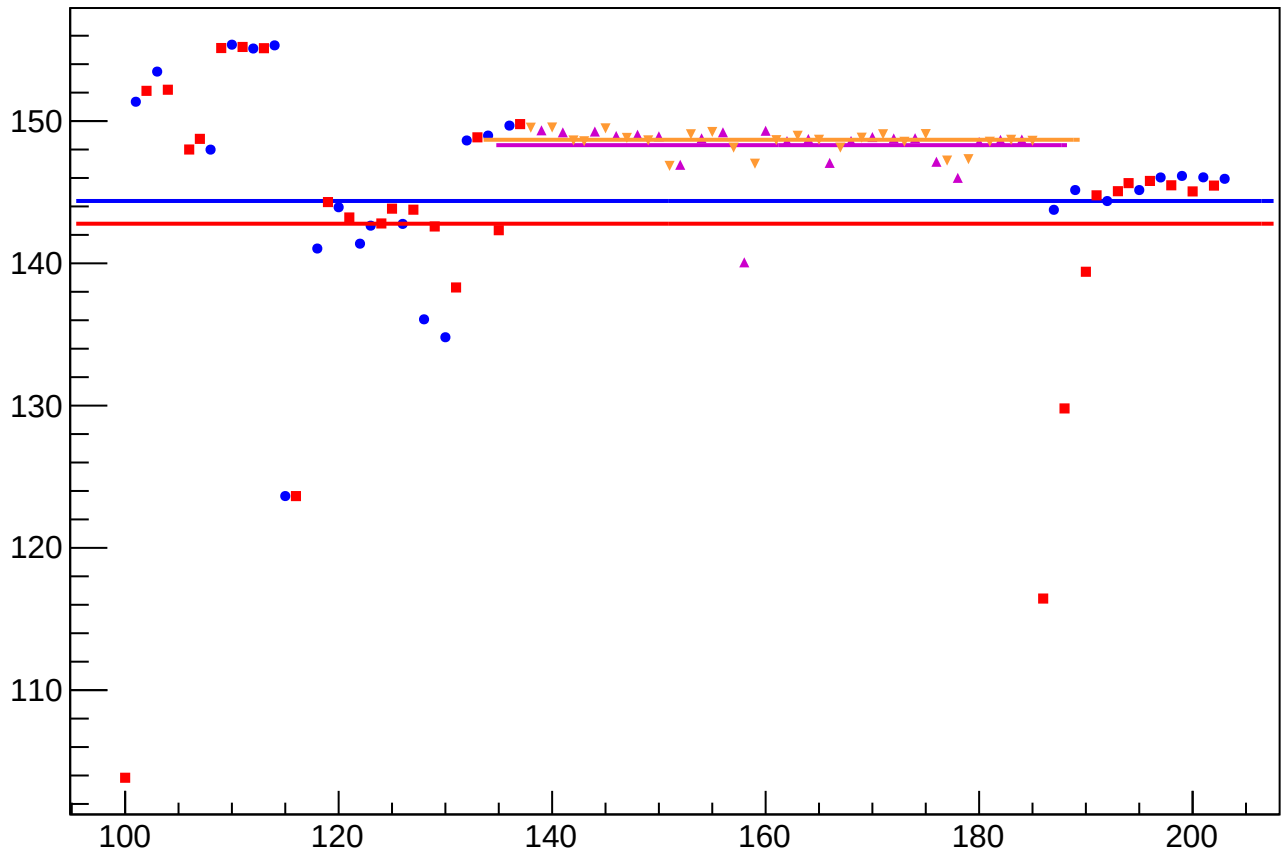
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.398 $\pm$ 0.000 χ^2 /NDF: 4599694.0/49

All: 0.398 $\pm$ 0.000 χ^2 /NDF: 8684116.7/101

- sign 0.398 $\pm$ 0.000 χ^2 /NDF: 4084410.1/51

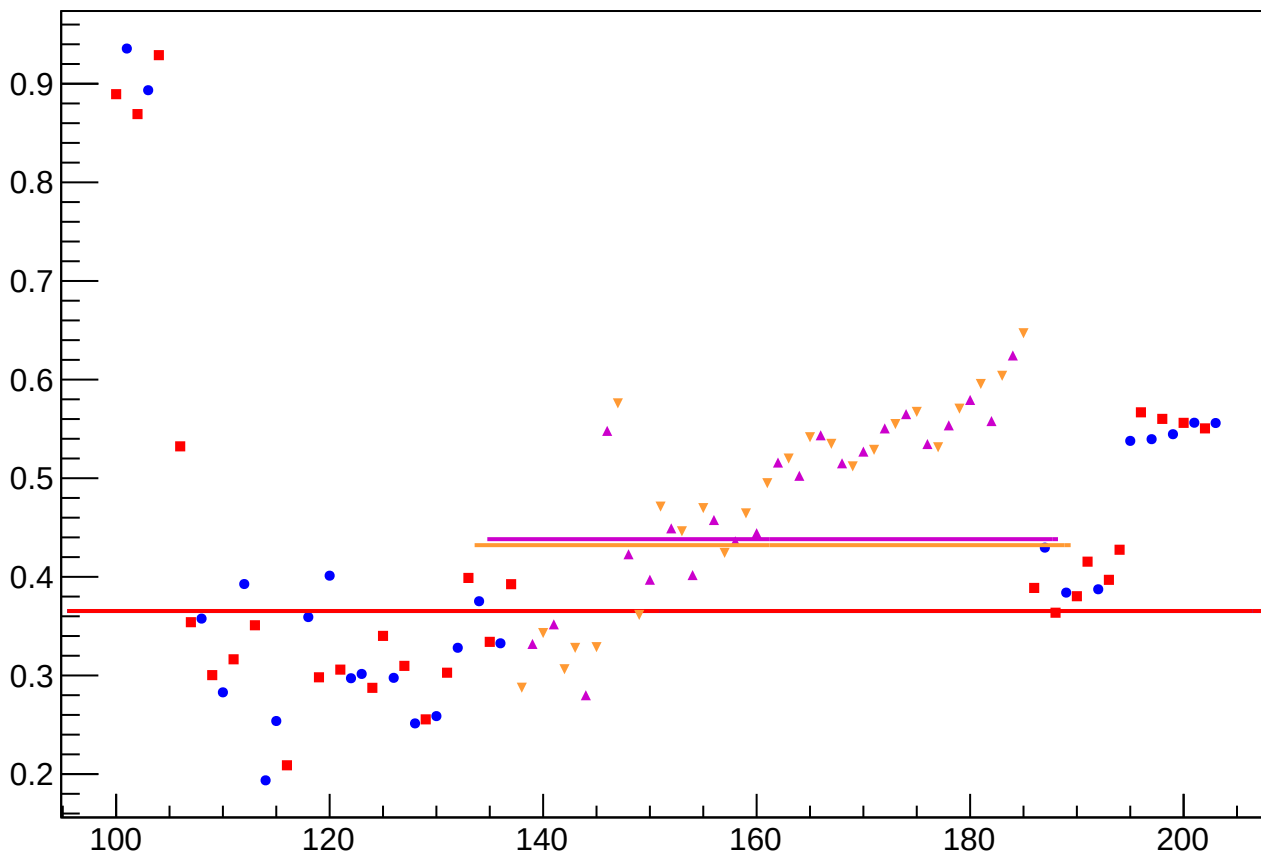
yield_bcm_an_ds3_mean vs Slug



Right In: 144.383 ± 0.000 χ^2/NDF : 3533773027.3/24
 Left Out: 148.686 ± 0.000 χ^2/NDF : 52218185.1/24
 Right Out: 142.786 ± 0.000 χ^2/NDF : 7324753920.2/28
 Left In: 148.307 ± 0.000 χ^2/NDF : 333585558.2/22

+ sign 146.717 ± 0.000 χ^2/NDF : 4355746793.9/49
 All: 146.109 ± 0.000 χ^2/NDF : 13440934338.
 - sign 145.515 ± 0.000 χ^2/NDF : 8962951100.7/51

yield_bcm_an_ds3_rms vs Slug



Right In: 0.365+/-0.000 χ^2/NDF : 2357398.7/24

Left Out: 0.432+/-0.000 χ^2/NDF :1929031.5/24

Right Out: 0.365+/-0.000 χ^2/NDF : 2156209.7/28

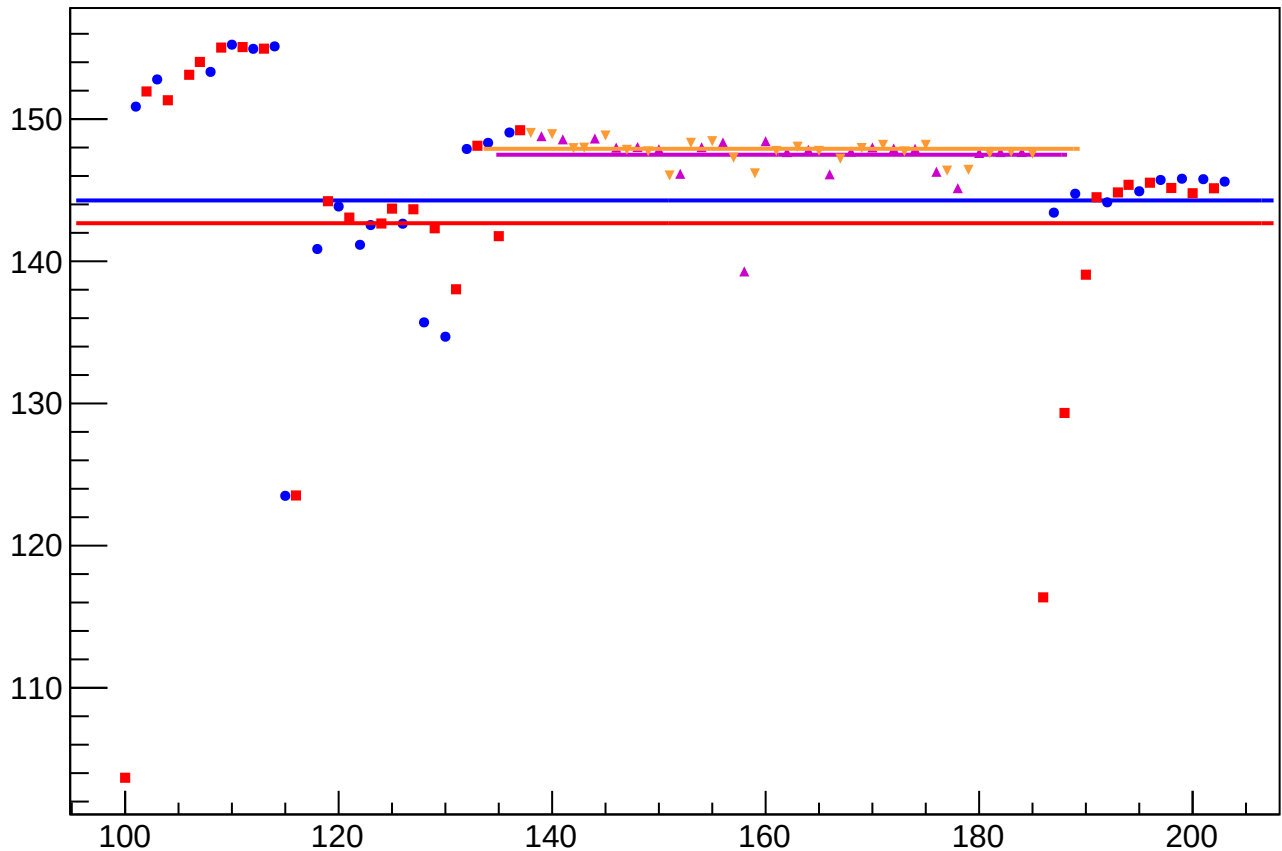
Left In: 0.438+/-0.000 χ^2/NDF :1521893.6/22

+ sign 0.402+/-0.000 χ^2/NDF : 4657569.4/49

All: 0.401+/-0.000 χ^2/NDF : 8789661.0/101

- sign 0.401+/-0.000 χ^2/NDF : 4132086.7/51

yield_bcm_an_us_mean vs Slug



Right In: 144.279 $\pm$ 0.000 χ^2 /NDF: 3692559709.9/24

Left Out: 147.911 $\pm$ 0.000 χ^2 /NDF: 64412407.9/24

Right Out: 142.678 $\pm$ 0.000 χ^2 /NDF: 7758883907.8/28

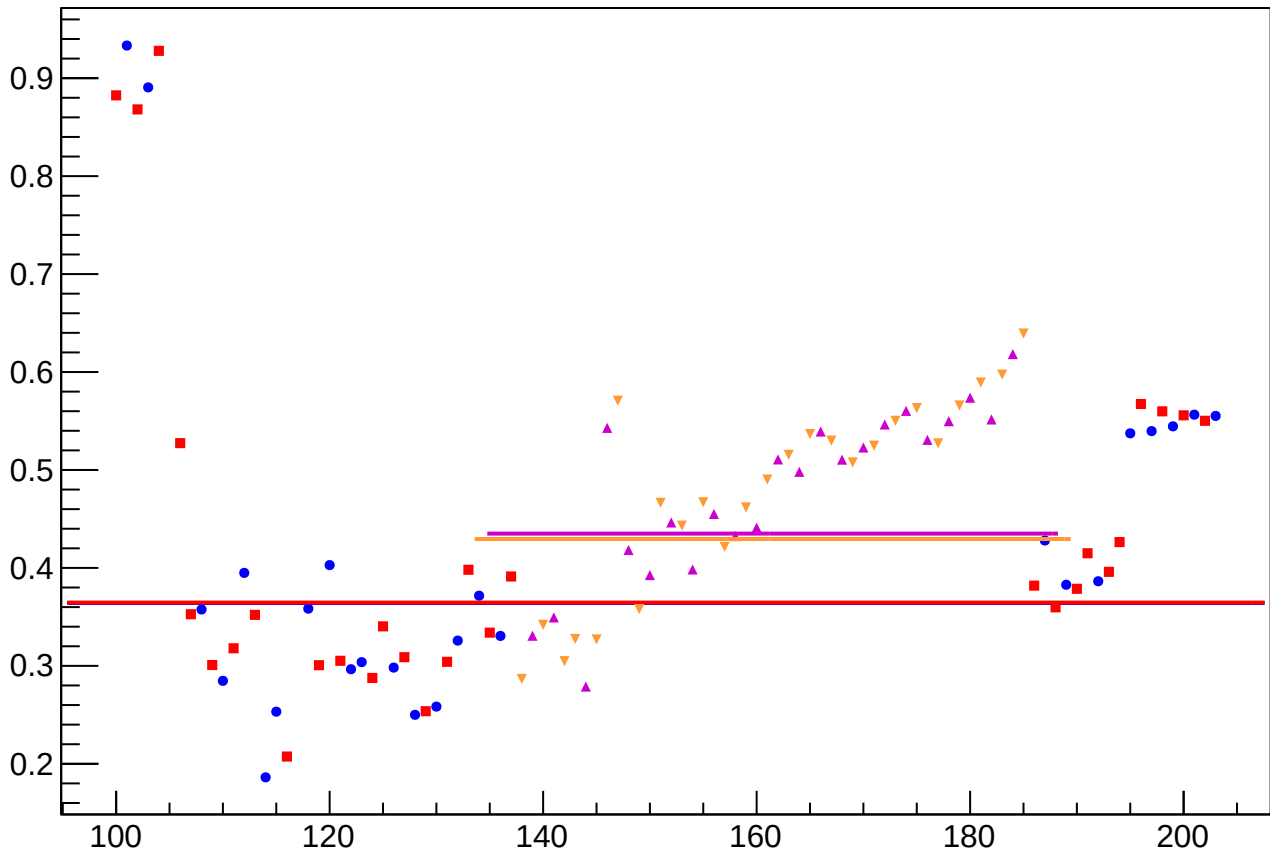
Left In: 147.493 $\pm$ 0.000 χ^2 /NDF: 343978473.2/22

+ sign 146.256 $\pm$ 0.000 χ^2 /NDF: 4310282613.2/49

All: 145.657 $\pm$ 0.000 χ^2 /NDF: 13535059120.

- sign 145.071 $\pm$ 0.000 χ^2 /NDF: 9104841931.0/51

yield_bcm_an_us_rms vs Slug



Right In: 0.364+/-0.000 χ^2/NDF : 2380997.0/24

Left Out: 0.430+/-0.000 χ^2/NDF :1895701.4/24

Right Out: 0.365+/-0.000 χ^2/NDF : 2157014.7/28

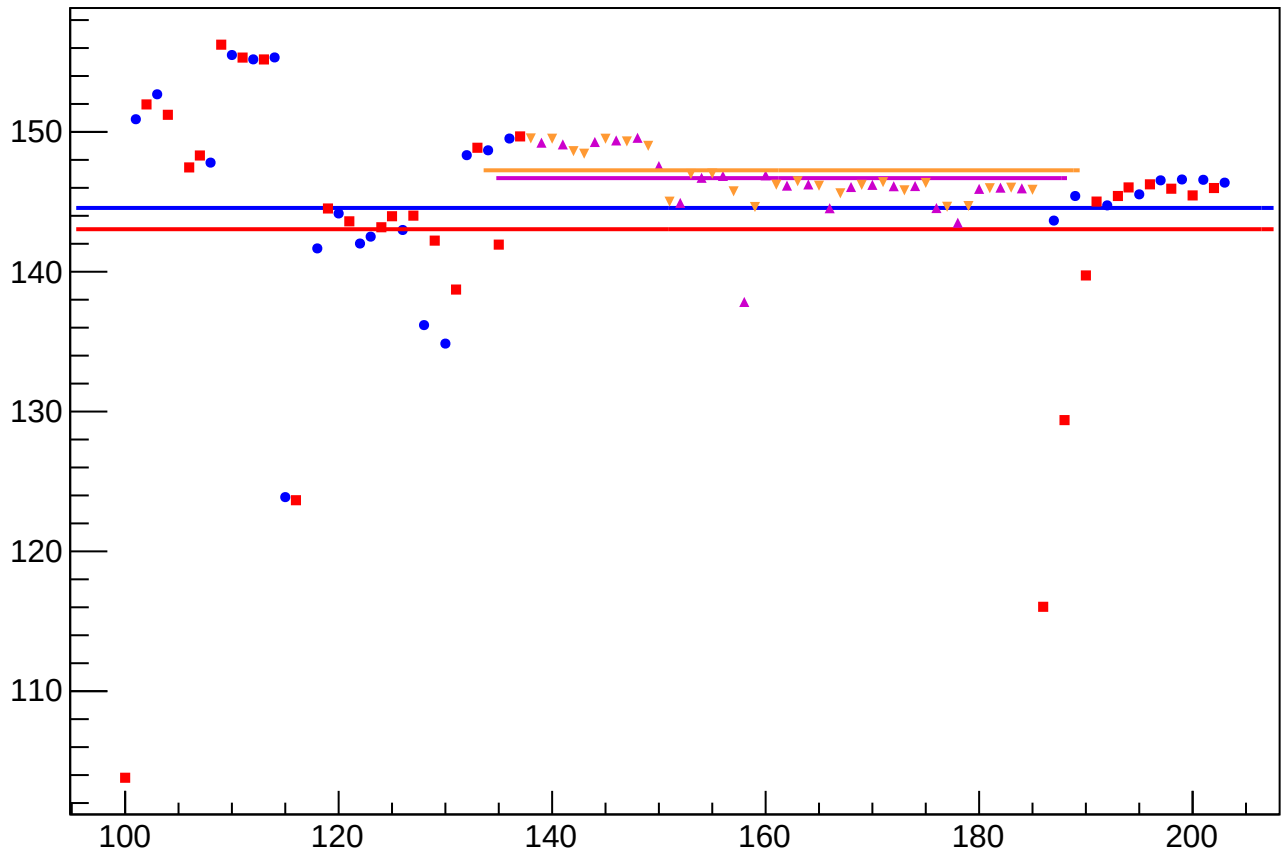
Left In: 0.435+/-0.000 χ^2/NDF :1502712.5/22

+ sign 0.400+/-0.000 χ^2/NDF : 4634596.7/49

All: 0.400+/-0.000 χ^2/NDF : 8722836.5/101

- sign 0.400+/-0.000 χ^2/NDF : 4088237.5/51

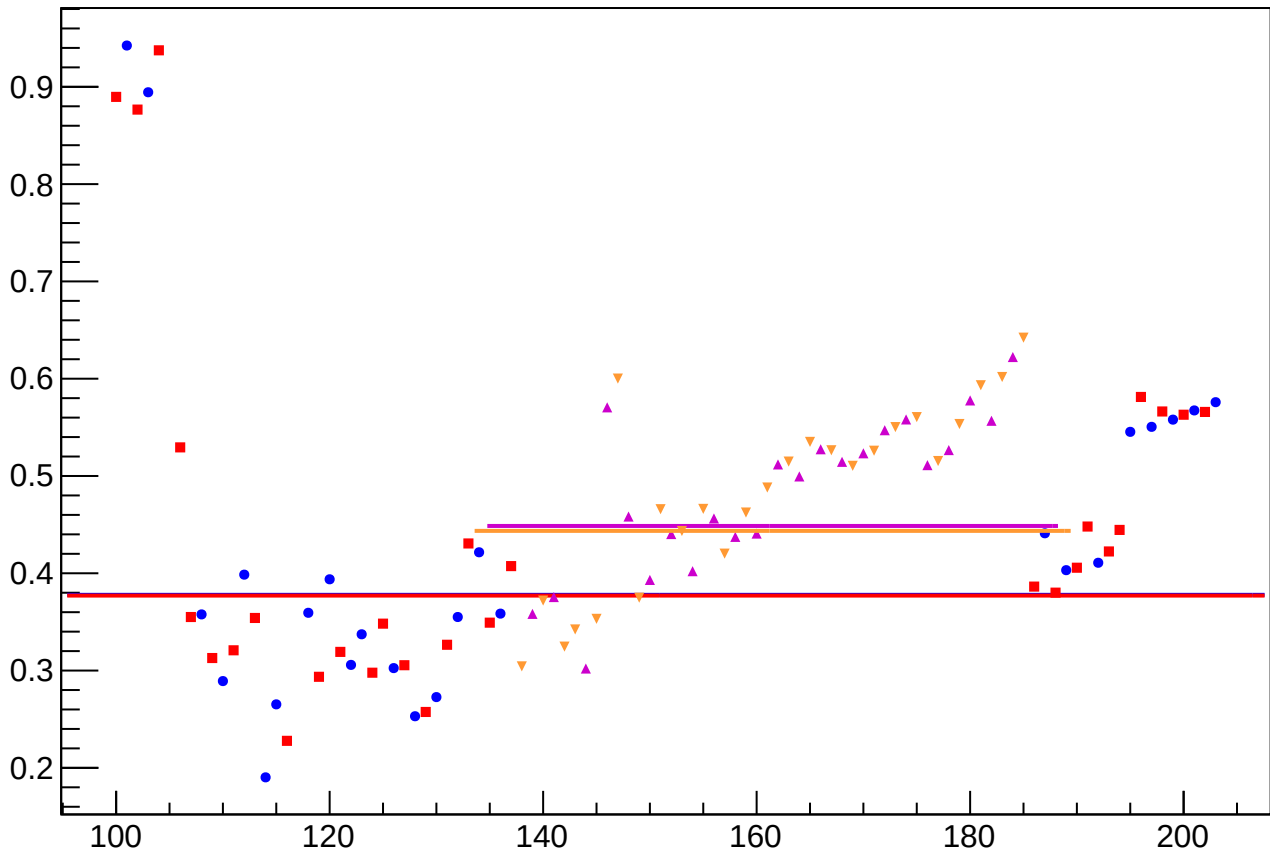
yield_bcm_dg_us_mean vs Slug



Right In: 144.563 ± 0.000 χ^2/NDF : 3215474192.9/24
 Left Out: 147.255 ± 0.000 χ^2/NDF : 262138049.8/24
 Right Out: 143.042 ± 0.000 χ^2/NDF : 7087717591.7/28
 Left In: 146.695 ± 0.000 χ^2/NDF : 557896803.1/22

+ sign 146.041 ± 0.000 χ^2/NDF : 3762090908.1/49
 All: 145.450 ± 0.000 χ^2/NDF : 12060222375.
 - sign 144.874 ± 0.000 χ^2/NDF : 8188700582.7/51

yield_bcm_dg_us_rms vs Slug



Right In: 0.378 $\pm$ 0.000 χ^2 /NDF: 2327915.4/24

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.377 $\pm$ 0.000 χ^2 /NDF: 2107920.6/28

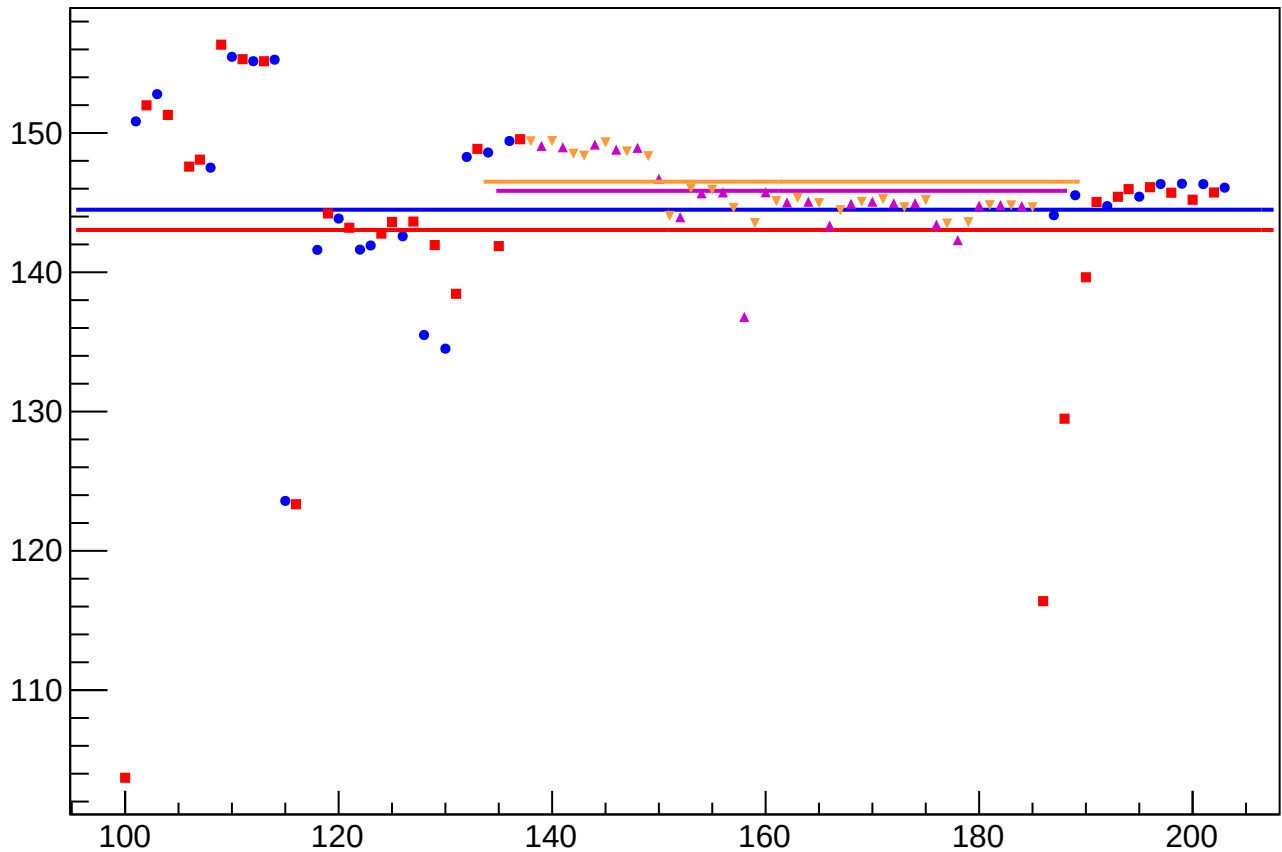
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.414 $\pm$ 0.000 χ^2 /NDF: 4150853.8/49

All: 0.413 $\pm$ 0.000 χ^2 /NDF: 7808269.7/101

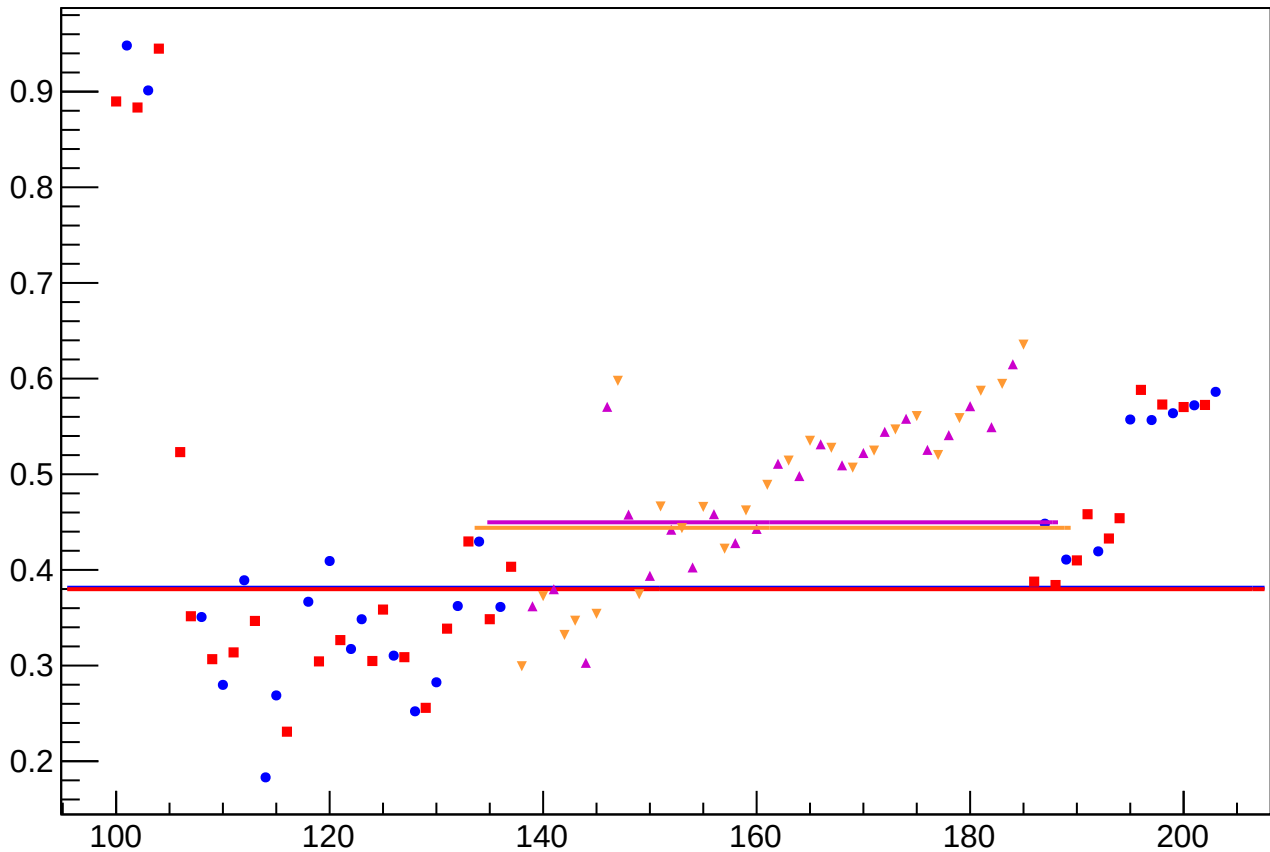
- sign 0.413 $\pm$ 0.000 χ^2 /NDF: 3657261.7/51

yield_bcm_dg_ds_mean vs Slug



Right In: 144.492 $\pm$ 0.000	χ^2 /NDF: 3327477449.2/24	+ sign 145.608 $\pm$ 0.000	χ^2 /NDF: 3886137119.9/49
Left Out: 146.505 $\pm$ 0.000	χ^2 /NDF: 401688176.3/24	All: 145.024 $\pm$ 0.000	χ^2 /NDF: 12052861691.
Right Out: 143.037 $\pm$ 0.000	χ^2 /NDF: 7049268435.6/28	- sign 144.455 $\pm$ 0.000	χ^2 /NDF: 8061323683.5/51
Left In: 145.847 $\pm$ 0.000	χ^2 /NDF: 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.381 $\pm$ 0.000 χ^2 /NDF: 2370075.9/24

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.380 $\pm$ 0.000 χ^2 /NDF: 2129484.0/28

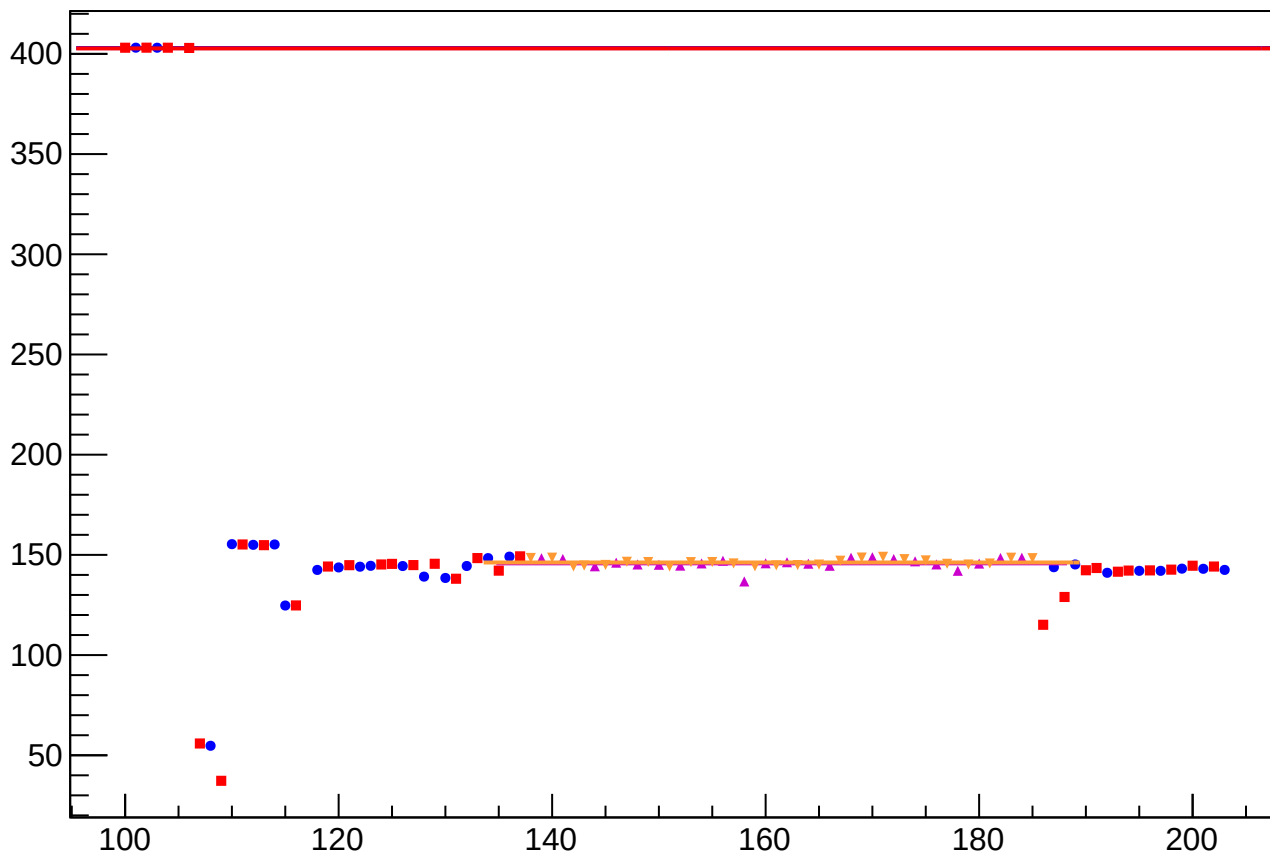
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.416 $\pm$ 0.000 χ^2 /NDF: 4137187.6/49

All: 0.416 $\pm$ 0.000 χ^2 /NDF: 7765281.3/101

- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 3627950.1/51

yield_cav4bQ_mean vs Slug



Right In: 402.906 $\pm$ 0.000 χ^2 /NDF: 1514540528543.9/24

Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24

Right Out: 402.736 $\pm$ 0.000 χ^2 /NDF: 3691668375271.1/28

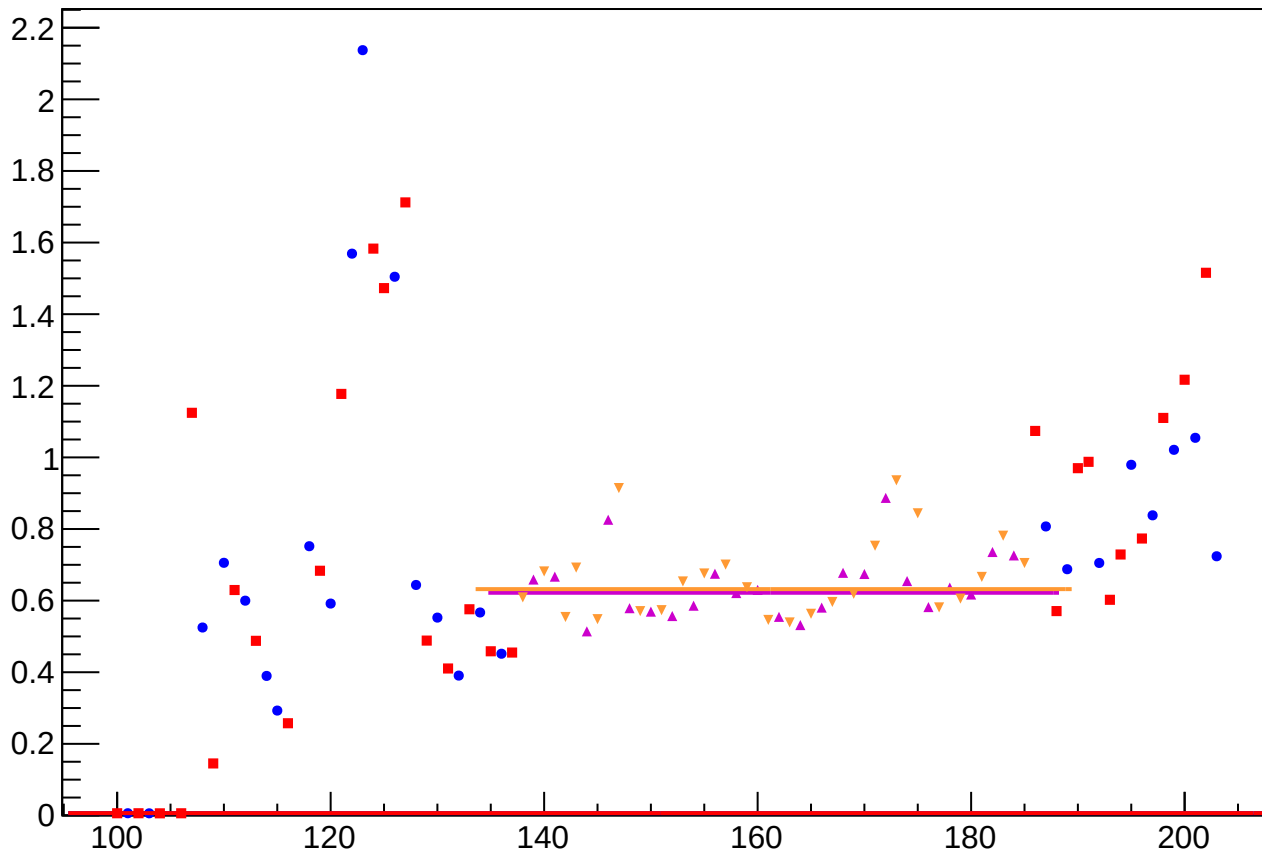
Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.609 $\pm$ 0.000 χ^2 /NDF: 3885579670495.8

All: 402.539 $\pm$ 0.000 χ^2 /NDF: 992383208148

- sign 402.477 $\pm$ 0.000 χ^2 /NDF: 6037961863414.6

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 17511185.1/24

Left Out: 0.632+/-0.000 χ^2/NDF : 614155.9/24

Right Out: 0.007+/-0.000 χ^2/NDF : 19563285.1/28

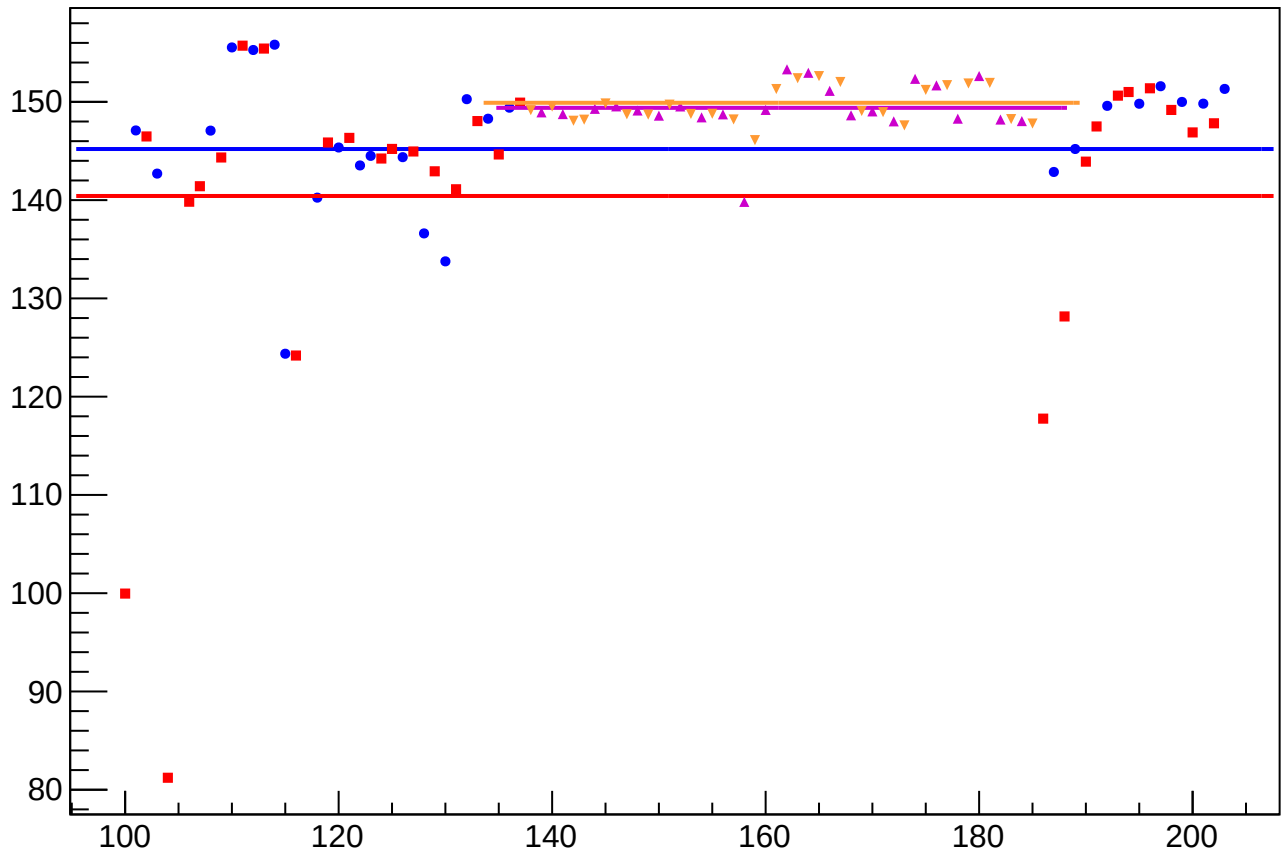
Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 46290311.1/49

All: 0.007+/-0.000 χ^2/NDF : 93173387.7/101

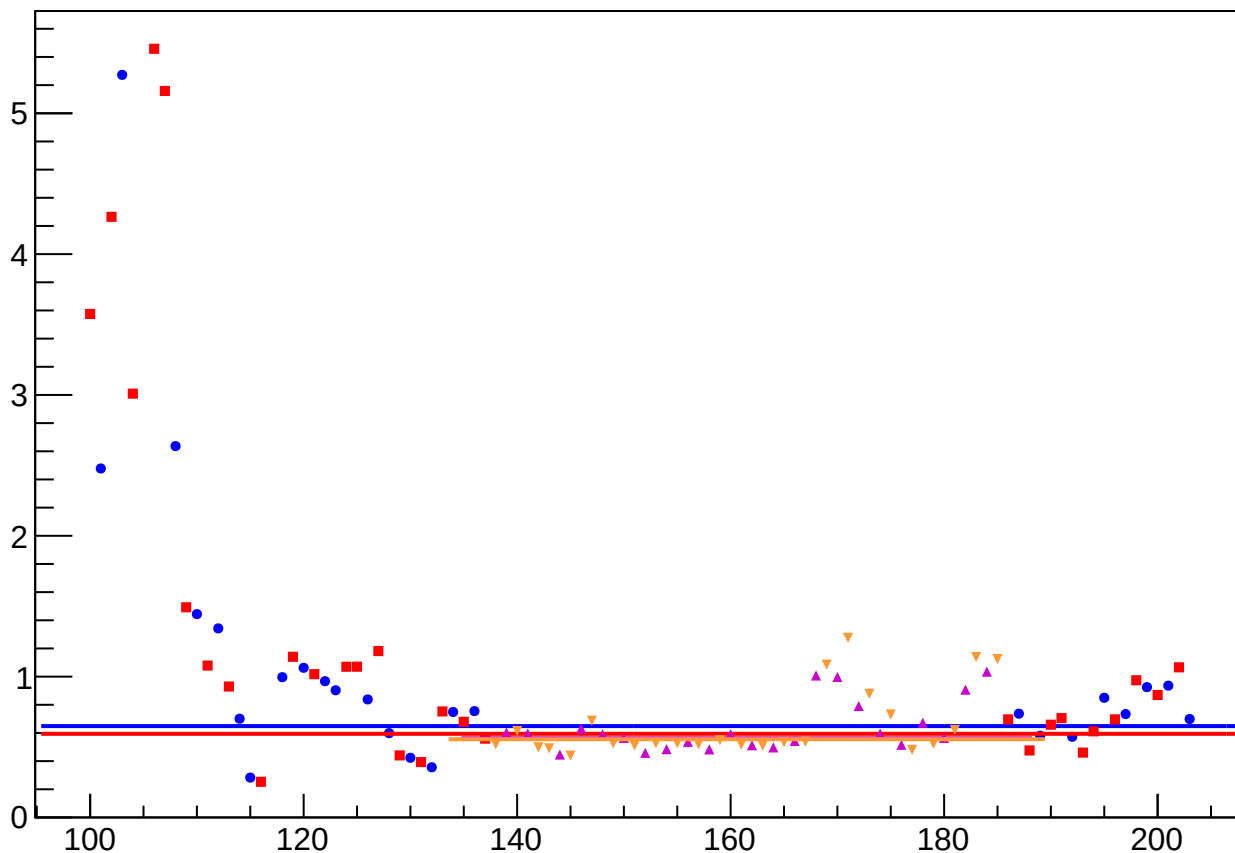
- sign 0.007+/-0.000 χ^2/NDF : 46882772.7/51

yield_cav4cQ_mean vs Slug



Right In: 145.201 $\pm$ 0.000	χ^2 /NDF: 1299654700.5/24	+ sign 148.653 $\pm$ 0.000	χ^2 /NDF: 1763082616.2/49
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.519 $\pm$ 0.000	χ^2 /NDF: 6697002211.1
Right Out: 140.422 $\pm$ 0.000	χ^2 /NDF: 3050167845.8/28	- sign 146.415 $\pm$ 0.000	χ^2 /NDF: 4757732305.0/51
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.649 ± 0.000 χ^2/NDF : 3940493.0/24

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.594 ± 0.000 χ^2/NDF : 5449045.6/28

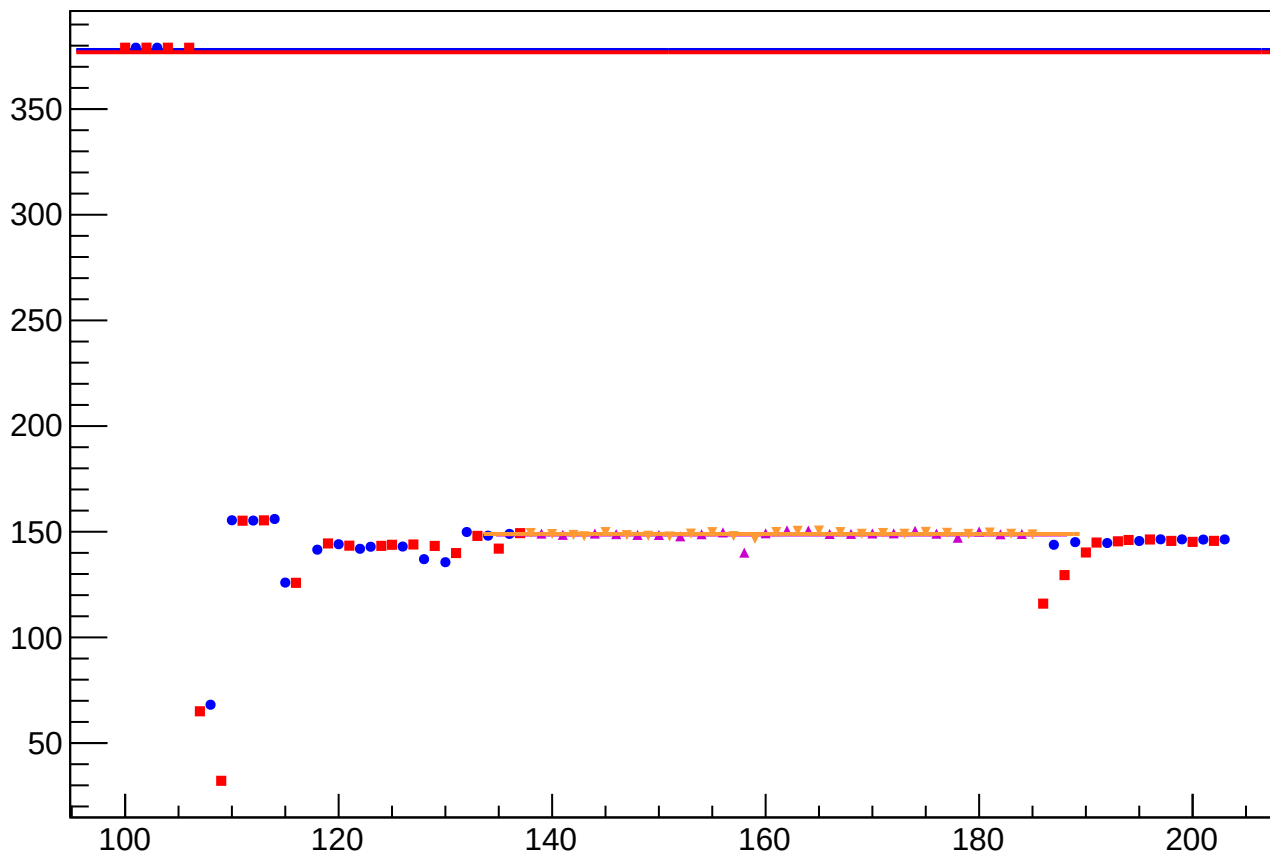
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.580 ± 0.000 χ^2/NDF : 5949885.4/49

All: 0.576 ± 0.000 χ^2/NDF : 12746107.1/101

- sign 0.573 ± 0.000 χ^2/NDF : 6792161.5/51

yield_cav4dQ_mean vs Slug



Right In: 377.959 $\pm$ 0.000 χ^2 /NDF: 3511779278726.4/24

Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24

Right Out: 376.891 $\pm$ 0.000 χ^2 /NDF: 9715871027851.4/28

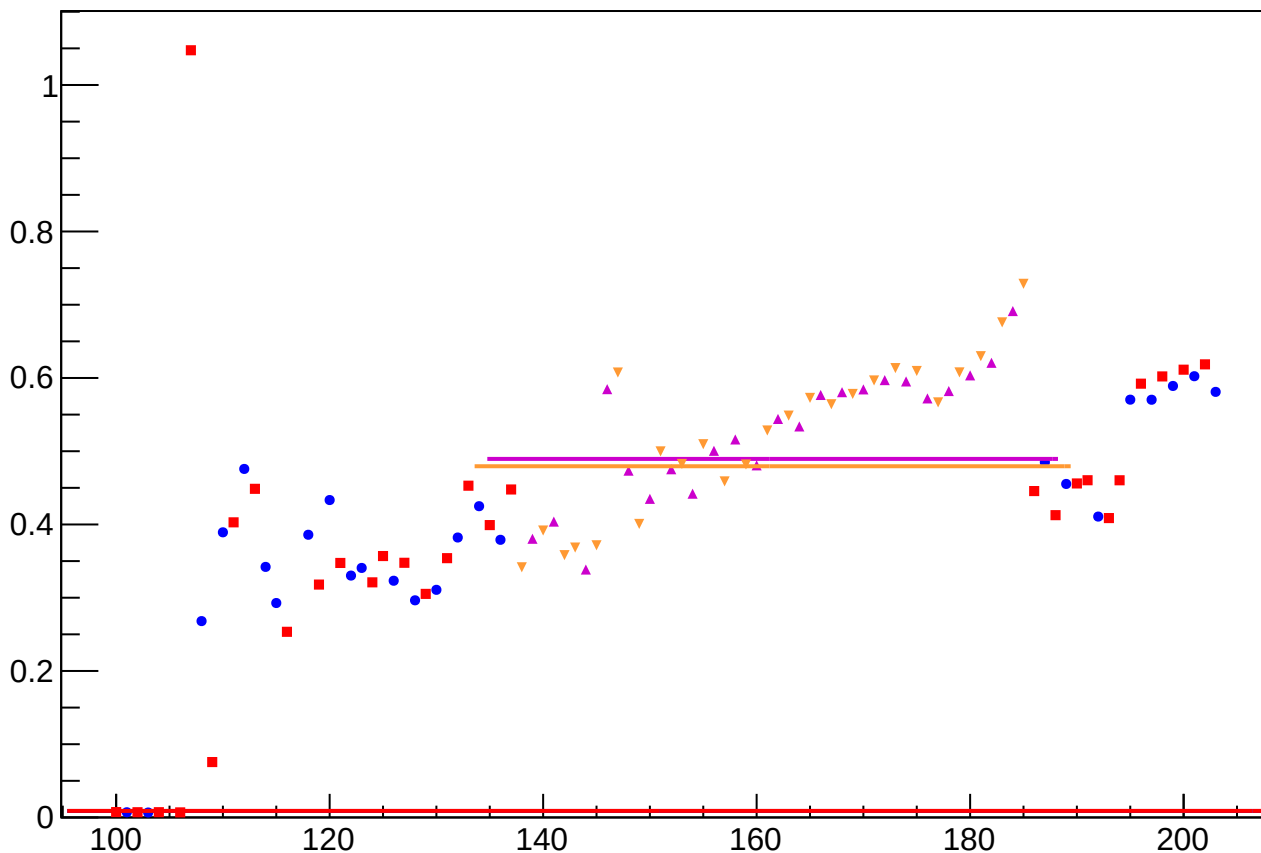
Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.680 $\pm$ 0.000 χ^2 /NDF: 7416081956539.6

All: 376.244 $\pm$ 0.000 χ^2 /NDF: 207094957607

- sign 375.862 $\pm$ 0.000 χ^2 /NDF: 13288630505394.5

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 19899830.7/24

Left Out: 0.479+/-0.000 χ^2/NDF :1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 21391151.4/28

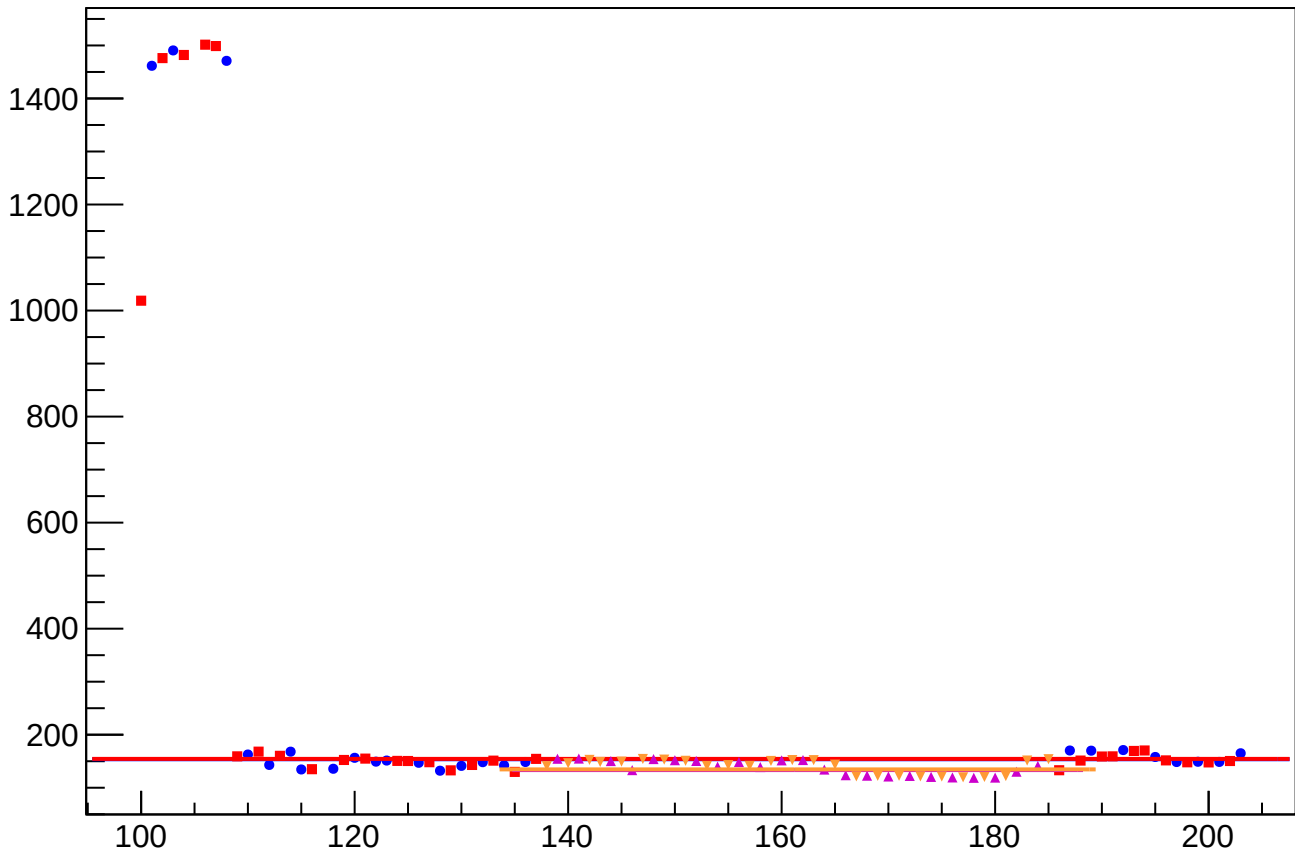
Left In: 0.490+/-0.000 χ^2/NDF :1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 54398054.6/49

All: 0.011+/-0.000 χ^2/NDF : 108567312.0/103

- sign 0.011+/-0.000 χ^2/NDF : 54167411.9/51

yield_bcm0l02_mean vs Slug



Right In: 153.721+/-0.000 χ^2/NDF : 25609388091.3/24

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 154.398+/-0.000 χ^2/NDF : 34840198646.0/28

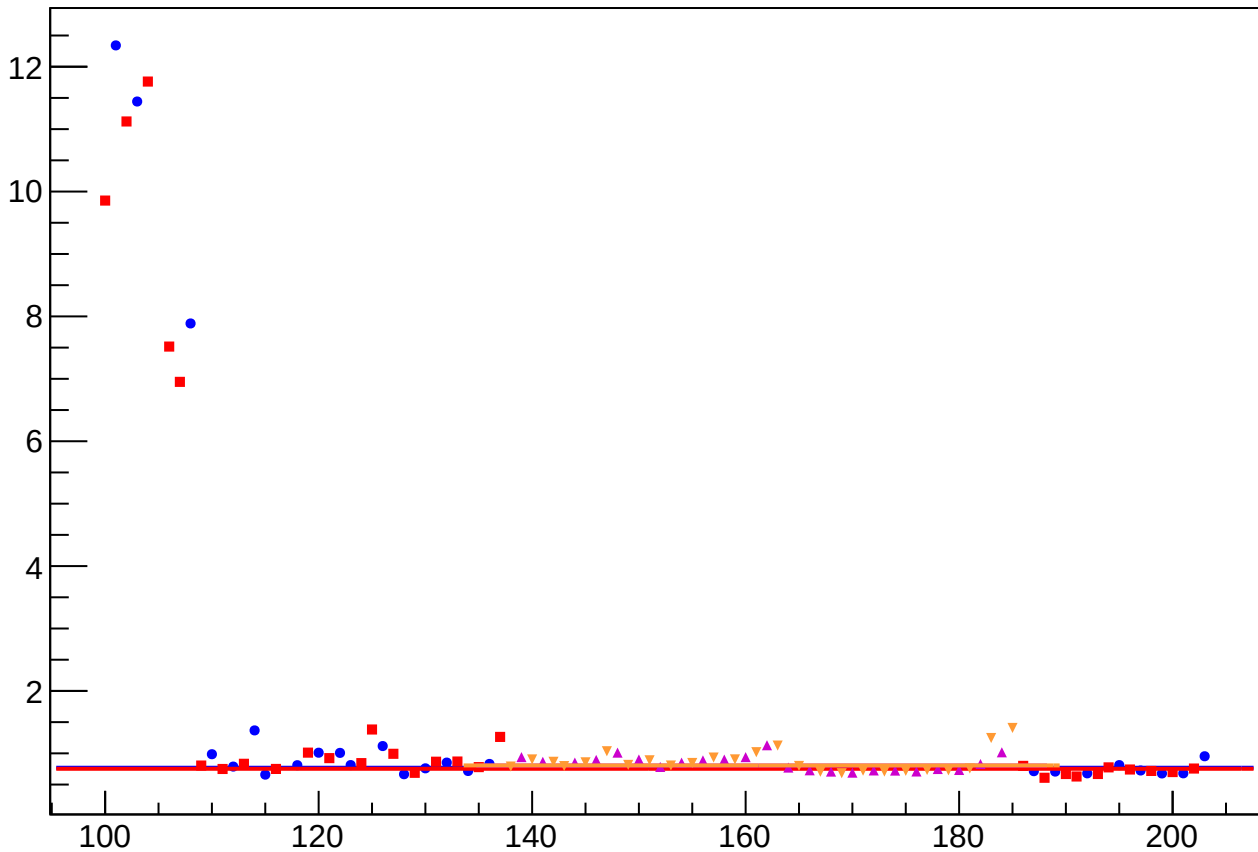
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 141.805+/-0.000 χ^2/NDF : 33276790341.0/49

All: 142.054+/-0.000 χ^2/NDF : 76821506667.0/100

- sign 142.291+/-0.000 χ^2/NDF : 43540097918.0/51

yield_bcm0l02_rms vs Slug



Right In: 0.769 ± 0.000 χ^2/NDF : 2878123.5/24

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.753 ± 0.000 χ^2/NDF : 3140536.9/28

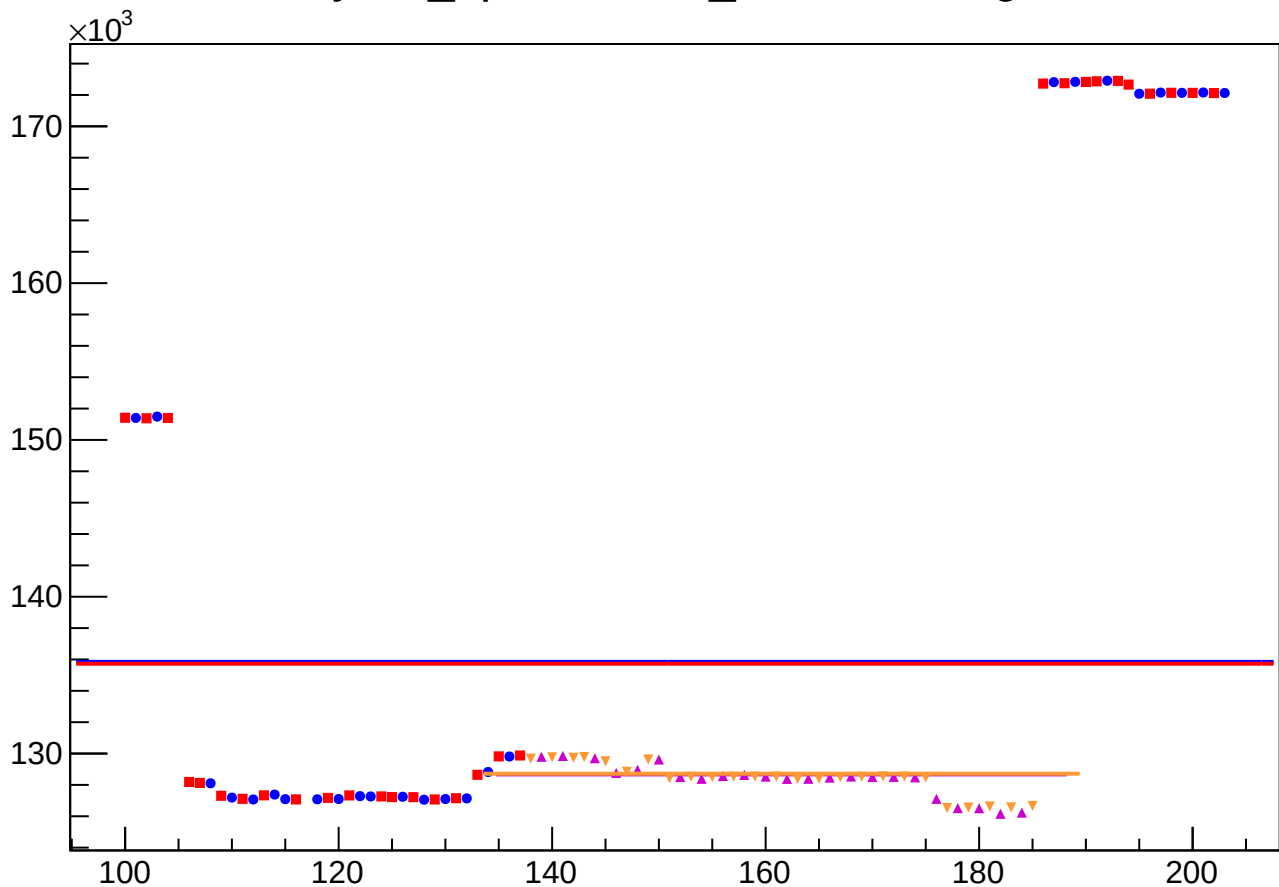
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.793 ± 0.000 χ^2/NDF : 3607185.1/49

All: 0.787 ± 0.000 χ^2/NDF : 7283700.2/101

- sign 0.783 ± 0.000 χ^2/NDF : 3672531.3/51

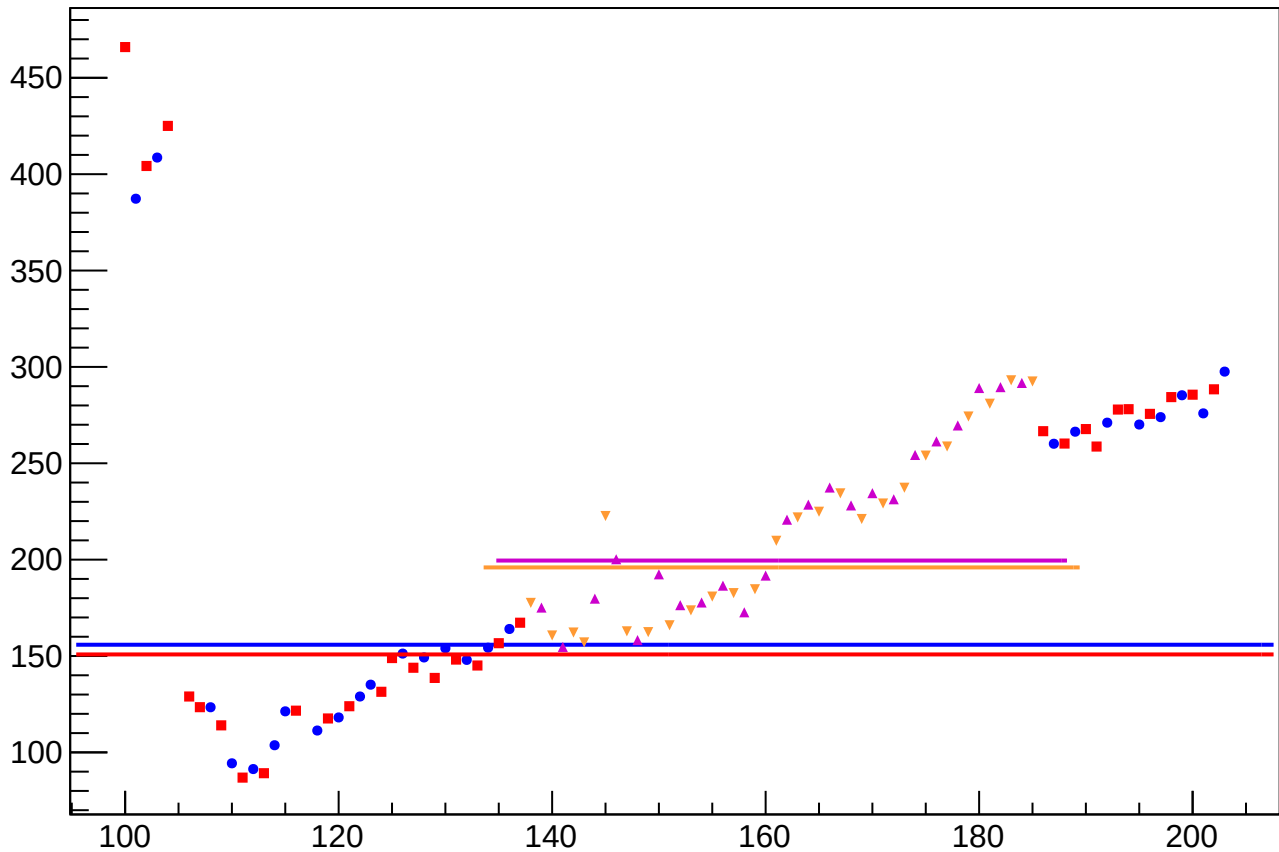
yield_bpm2i01WS_mean vs Slug



Right In: 135846.004 $\pm$ 0.050 χ^2 /NDF: 120435949476.2/24
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 135729.218 $\pm$ 0.046 χ^2 /NDF: 140718639691.6/28
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

+ sign 132063.135 $\pm$ 0.034 χ^2 /NDF: 131760380460
 All: 132249.088 $\pm$ 0.024 χ^2 /NDF: 283998776
 - sign 132428.702 $\pm$ 0.033 χ^2 /NDF: 152179507107

yield_bpm2i01WS_rms vs Slug



Right In: 155.851 ± 0.035 $\chi^2/\text{NDF}: 4044361.6/24$

Left Out: 195.964 ± 0.033 $\chi^2/\text{NDF}: 1316091.7/24$

Right Out: 150.818 ± 0.032 $\chi^2/\text{NDF}: 4677390.9/28$

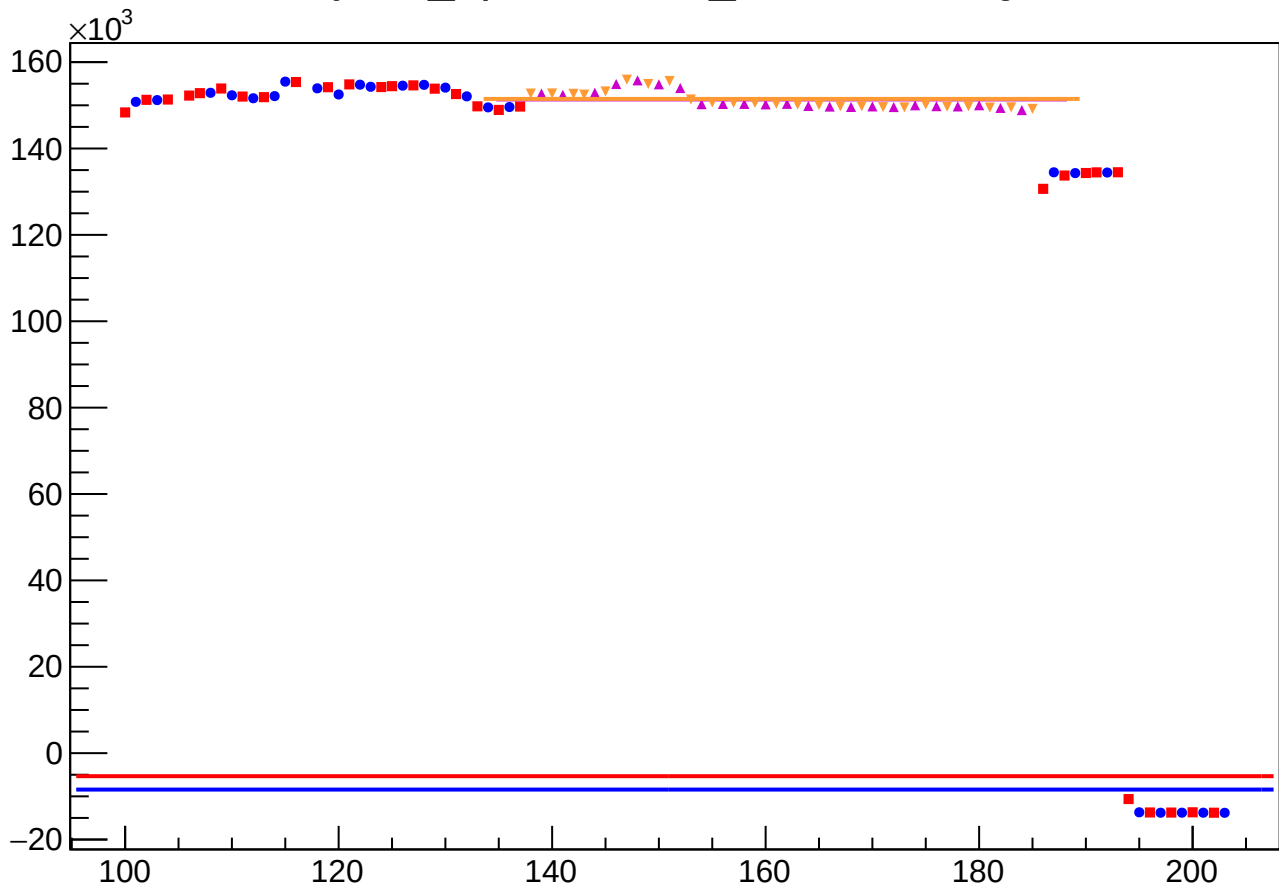
Left In: 199.531 ± 0.035 $\chi^2/\text{NDF}: 1175342.5/22$

+ sign 177.126 ± 0.024 $\chi^2/\text{NDF}: 6054846.2/49$

All: 175.330 ± 0.017 $\chi^2/\text{NDF}: 12978216.5/10$

- sign 173.594 ± 0.024 $\chi^2/\text{NDF}: 6912373.5/51$

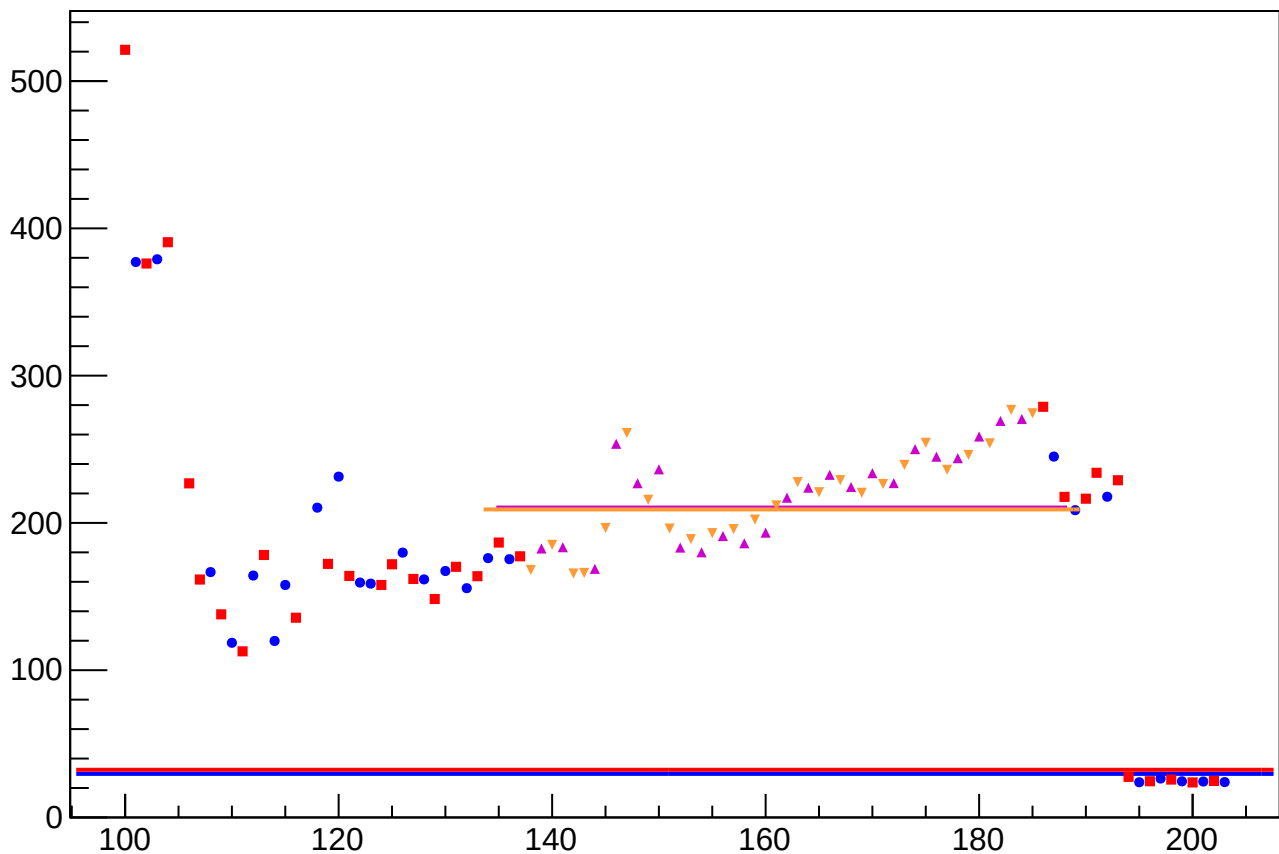
yield_bpm0i07WS_mean vs Slug



Right In: -8433.038 ± 0.012 $\chi^2/\text{NDF}: 5778815558680.6/24$
 Left Out: 151480.339 ± 0.049 $\chi^2/\text{NDF}: 1483692735.3/24$
 Right Out: -5332.305 ± 0.013 $\chi^2/\text{NDF}: 7002334190174.8/28$
 Left In: 151362.440 ± 0.051 $\chi^2/\text{NDF}: 1426782789.9/22$

+ sign 605.327 ± 0.012 $\chi^2/\text{NDF}: 15638211162694.$
 All: 2456.938 ± 0.009 $\chi^2/\text{NDF}: 31455106832$
 - sign 4707.119 ± 0.013 $\chi^2/\text{NDF}: 15761992072779$

yield_bpm0i07WS_rms vs Slug



Right In: 29.588+/-0.009 χ^2/NDF : 11244833.4/24

Left Out: 209.156+/-0.035 χ^2/NDF : 710094.9/24

Right Out: 32.379+/-0.009 χ^2/NDF : 13159690.3/28

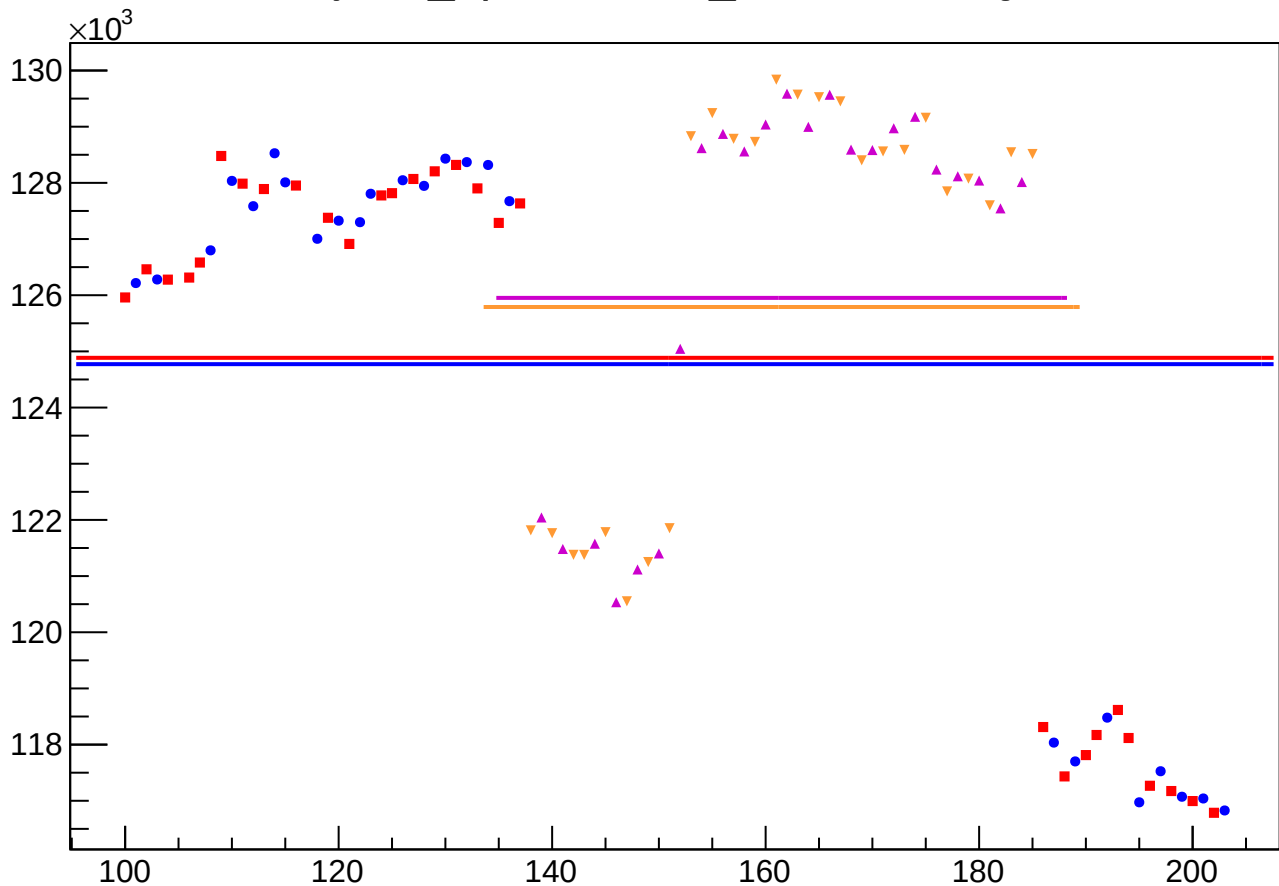
Left In: 210.431+/-0.036 χ^2/NDF : 684015.0/22

+ sign 39.737+/-0.008 χ^2/NDF : 36814902.1/49

All: 41.565+/-0.006 χ^2/NDF : 73382330.8/101

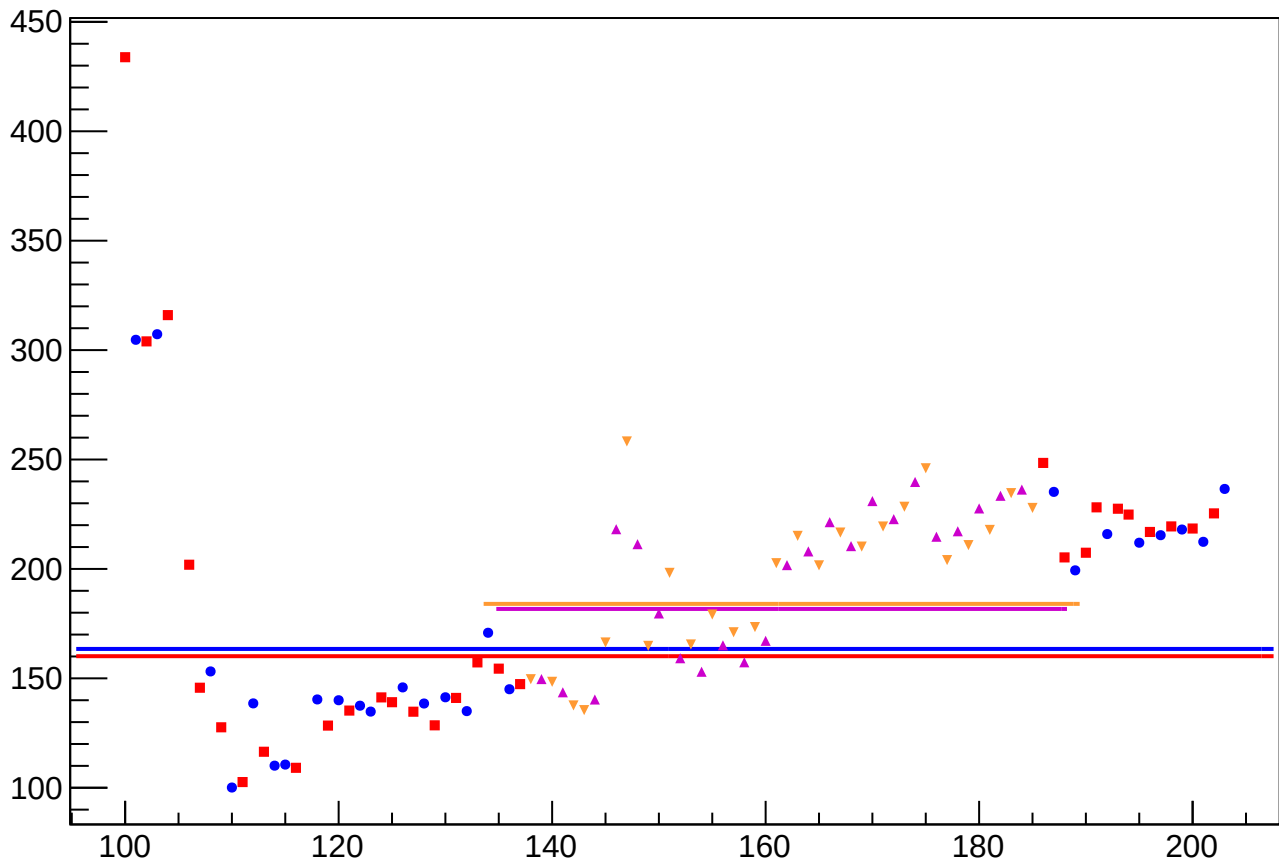
- sign 43.787+/-0.009 χ^2/NDF : 36460409.5/51

yield_bpm0l01WS_mean vs Slug



Right In: 124772.654 $\pm$ 0.049	χ^2 /NDF: 9034334239.8/24	+ sign 125340.270 $\pm$ 0.033	χ^2 /NDF: 16015486571.1
Left Out: 125790.126 $\pm$ 0.044	χ^2 /NDF: 6744310079.8/24	All: 125390.199 $\pm$ 0.023	χ^2 /NDF: 319770890.1
Right Out: 124885.426 $\pm$ 0.046	χ^2 /NDF: 9840112480.9/28	- sign 125438.042 $\pm$ 0.032	χ^2 /NDF: 15957074558.1
Left In: 125952.447 $\pm$ 0.045	χ^2 /NDF: 5841800367.5/22		

yield_bpm0l01WS_rms vs Slug



Right In: 163.441+/-0.035 χ^2/NDF : 1777697.1/24

Left Out: 184.029+/-0.031 χ^2/NDF : 1126592.5/24

Right Out: 160.122+/-0.033 χ^2/NDF : 2268267.8/28

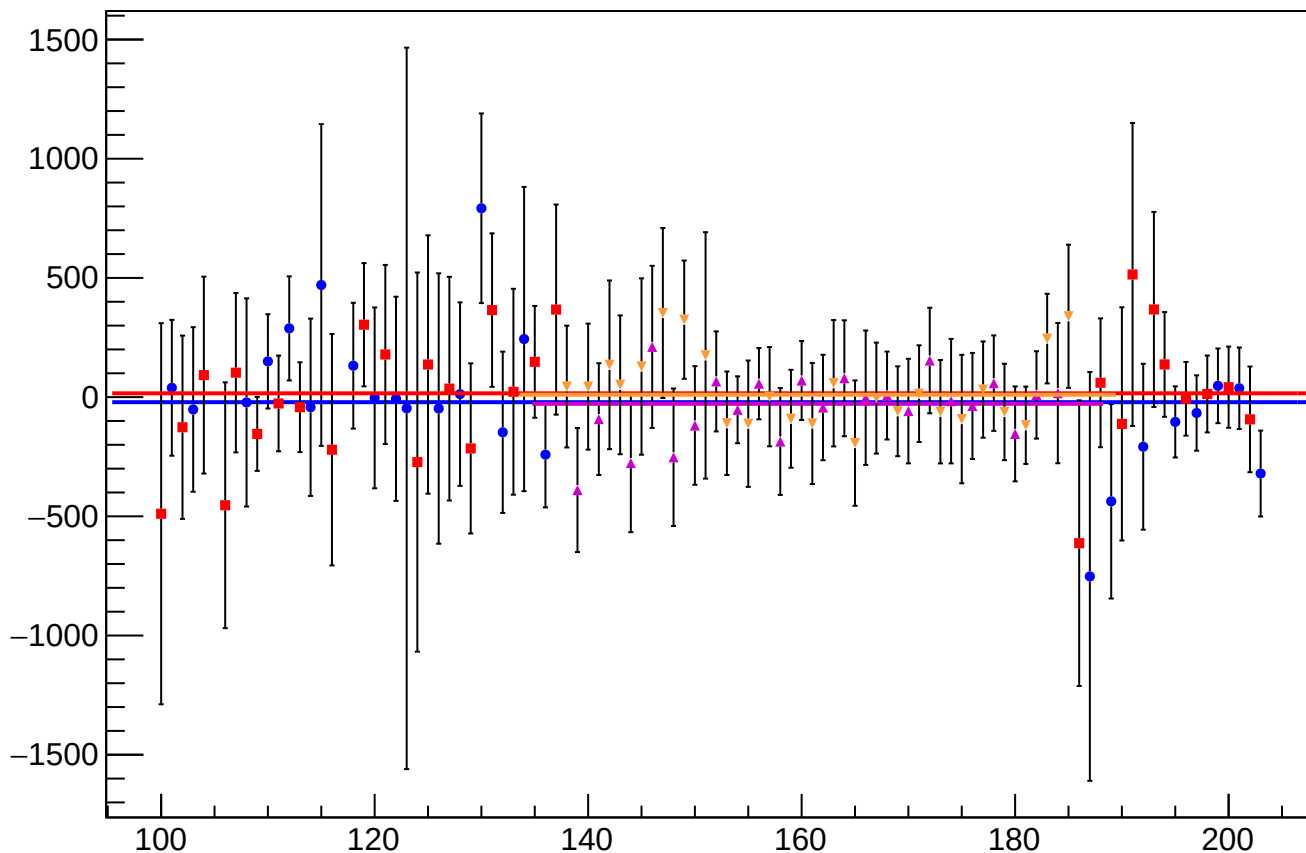
Left In: 181.714+/-0.032 χ^2/NDF : 1116142.0/22

+ sign 174.927+/-0.023 χ^2/NDF : 3098229.0/49

All: 173.077+/-0.016 χ^2/NDF : 6720408.4/103

- sign 171.305+/-0.023 χ^2/NDF : 3609751.9/51

asym_bcm_an_ds_mean vs Slug



Right In: -21.208 ± 52.463 χ^2/NDF : 14.7/24

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 15.980 ± 50.734 χ^2/NDF : 10.4/28

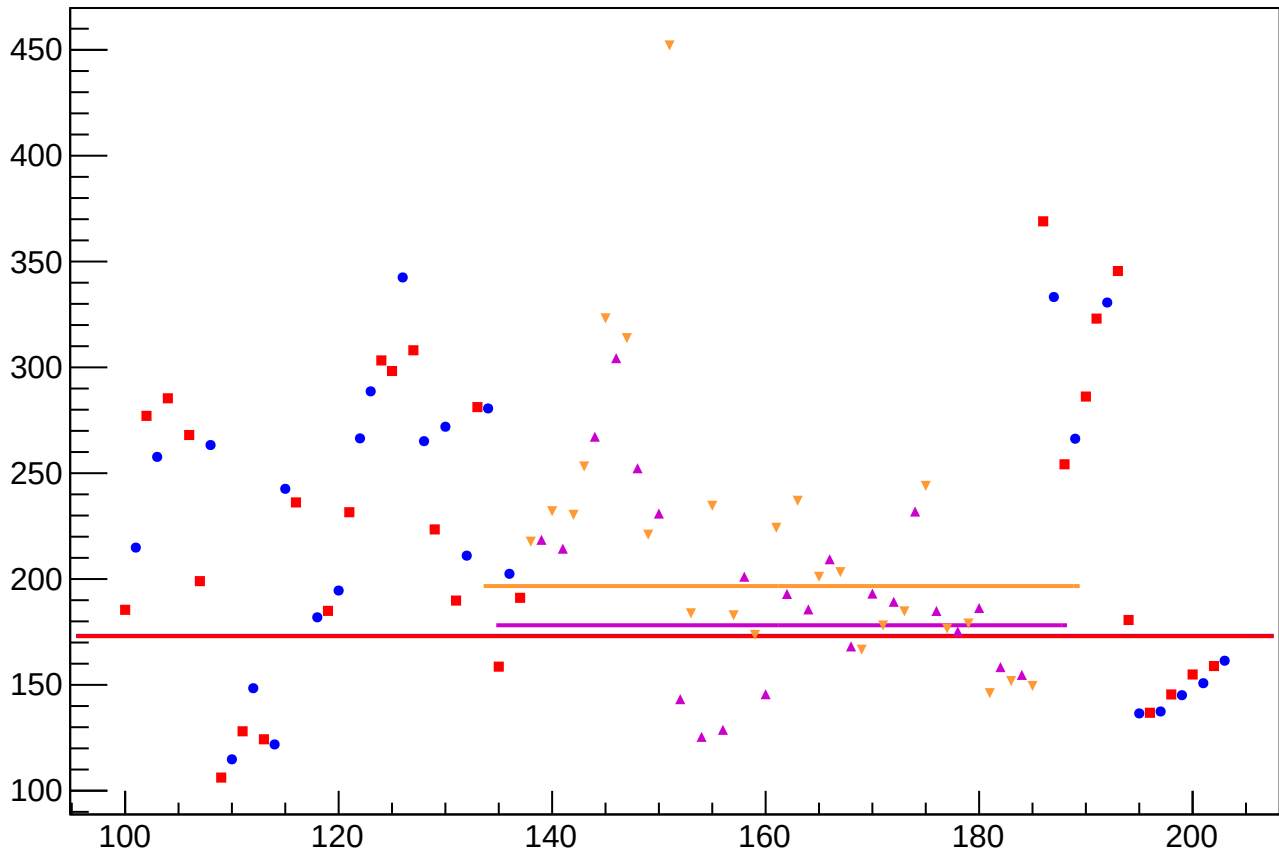
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -4.012 ± 35.207 χ^2/NDF : 23.3/49

All: -6.562 ± 24.263 χ^2/NDF : 41.1/101

- sign -8.869 ± 33.485 χ^2/NDF : 17.7/51

asym_bcm_an_ds_rms vs Slug



Right In: 173.156 $\pm$ 0.037 χ^2 /NDF: 2068387.2/24

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 173.002 $\pm$ 0.036 χ^2 /NDF: 2745077.8/28

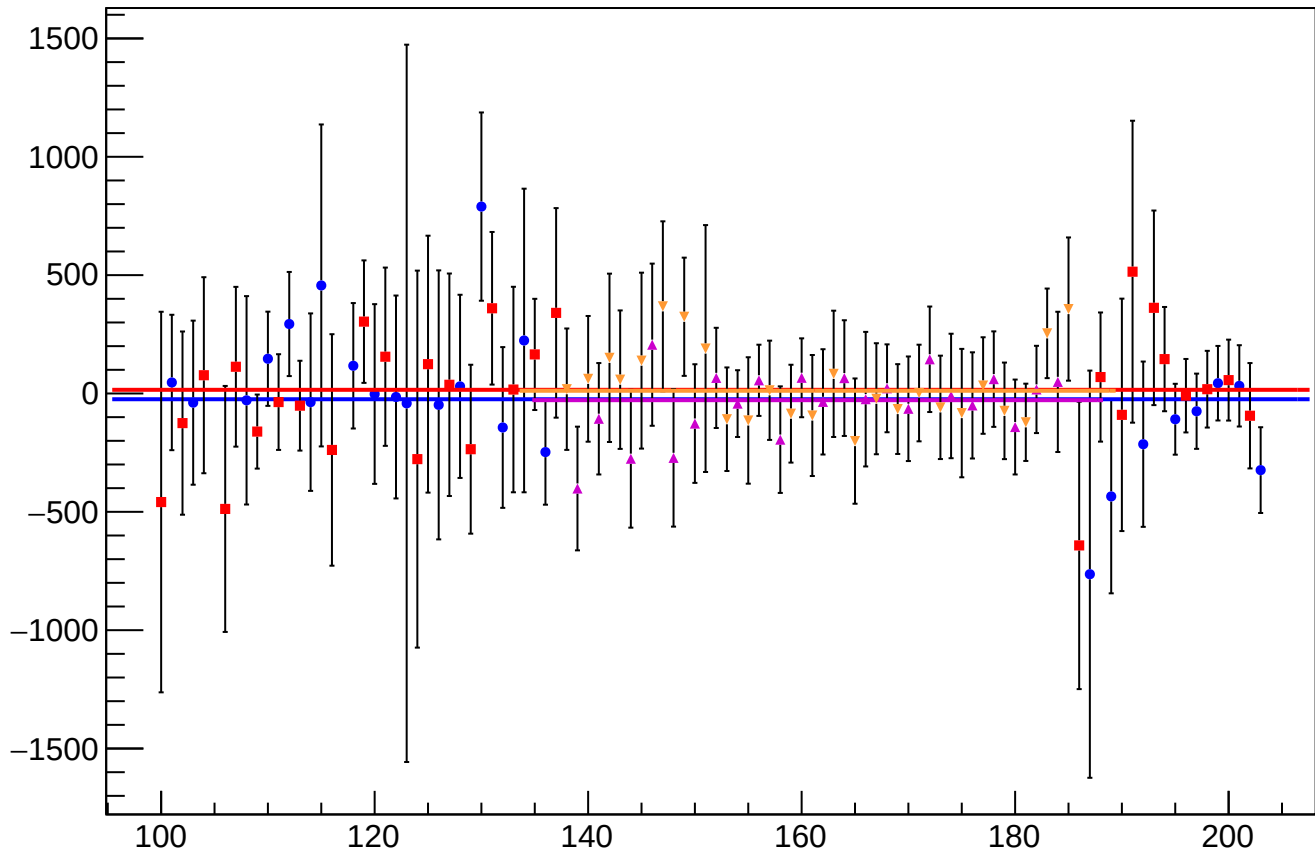
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 186.087 $\pm$ 0.025 χ^2 /NDF: 4072146.6/49

All: 180.747 $\pm$ 0.017 χ^2 /NDF: 8535523.6/103

- sign 175.916 $\pm$ 0.024 χ^2 /NDF: 4375739.8/51

asym_bcm_an_ds3_mean vs Slug



Right In: -24.304 ± 52.721 χ^2/NDF : 14.7/24

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 15.515 ± 50.993 χ^2/NDF : 10.6/28

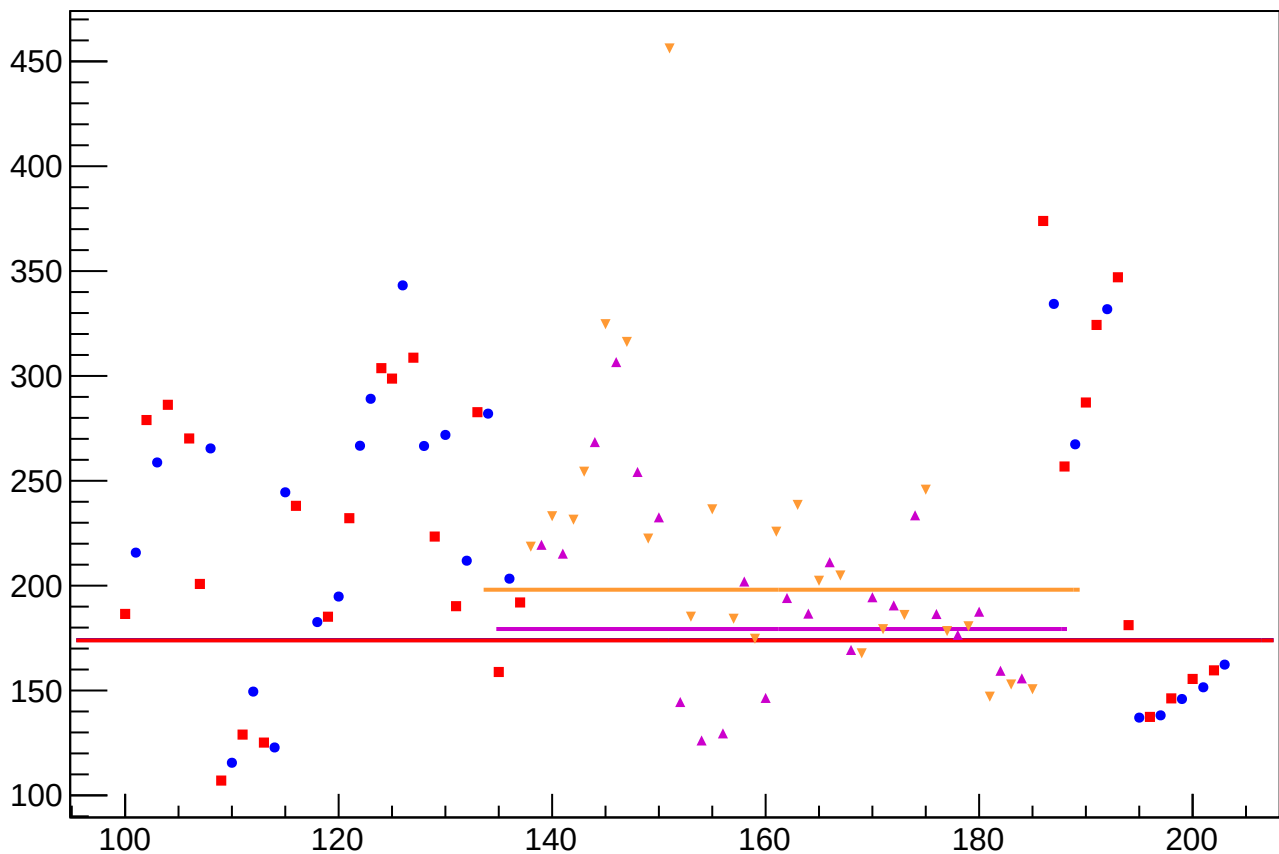
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -4.672 ± 35.420 χ^2/NDF : 23.7/49

All: -7.035 ± 24.408 χ^2/NDF : 41.9/101

- sign -9.172 ± 33.683 χ^2/NDF : 18.2/51

asym_bcm_an_ds3_rms vs Slug



Right In: 174.045 $\pm$ 0.037 χ^2 /NDF: 2058784.3/24

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 173.901 $\pm$ 0.036 χ^2 /NDF: 2739754.6/28

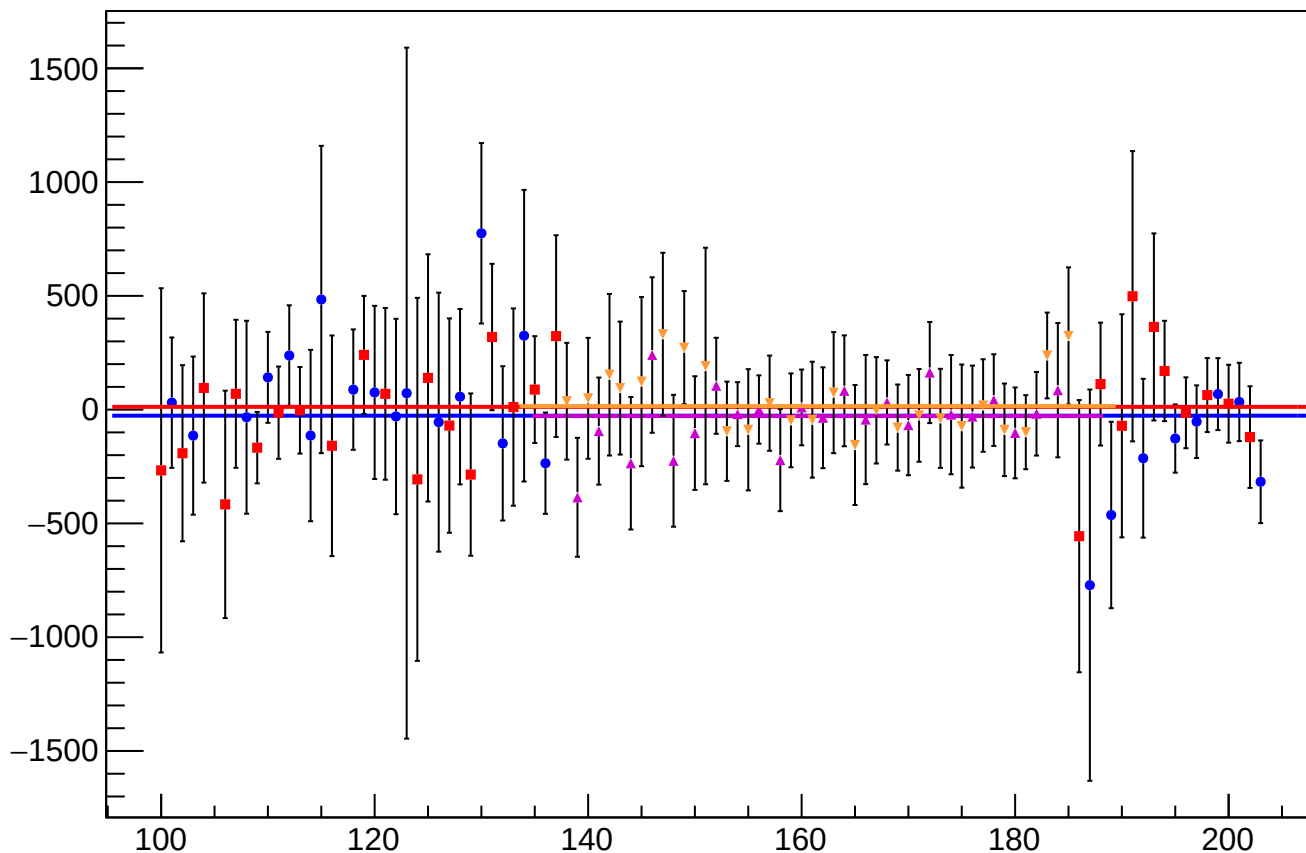
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 187.220 $\pm$ 0.025 χ^2 /NDF: 4064958.4/49

All: 181.831 $\pm$ 0.017 χ^2 /NDF: 8523897.9/100

- sign 176.958 $\pm$ 0.024 χ^2 /NDF: 4370772.5/51

asym_bcm_an_us_mean vs Slug



Right In: -26.589 ± 52.803 χ^2/NDF : 14.3/24

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 12.291 ± 50.985 χ^2/NDF : 9.3/28

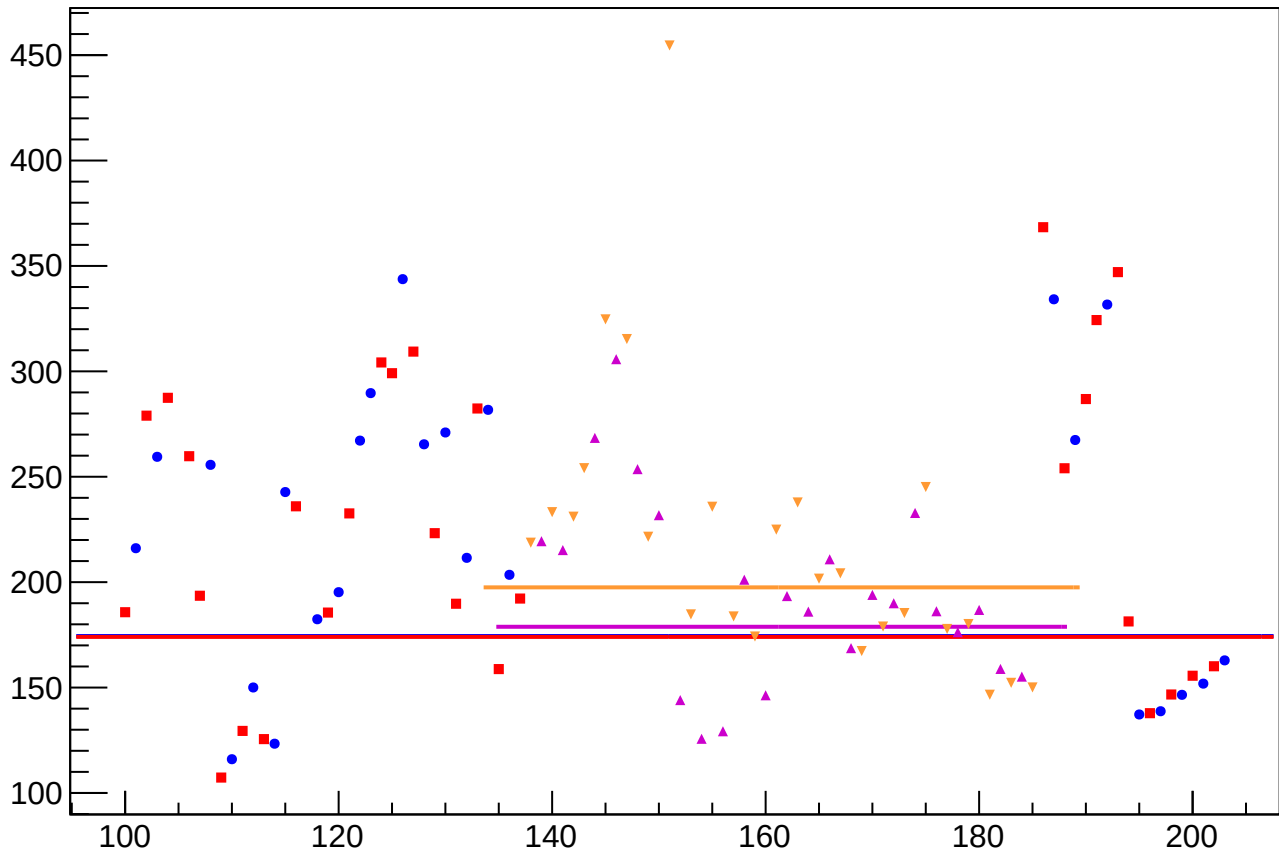
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign -3.445 ± 35.394 χ^2/NDF : 21.6/49

All: -7.219 ± 24.380 χ^2/NDF : 37.6/101

- sign -10.627 ± 33.630 χ^2/NDF : 16.0/51

asym_bcm_an_us_rms vs Slug



Right In: 174.438 $\pm$ 0.037 χ^2 /NDF: 2027530.0/24

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 174.033 $\pm$ 0.036 χ^2 /NDF: 2695595.6/28

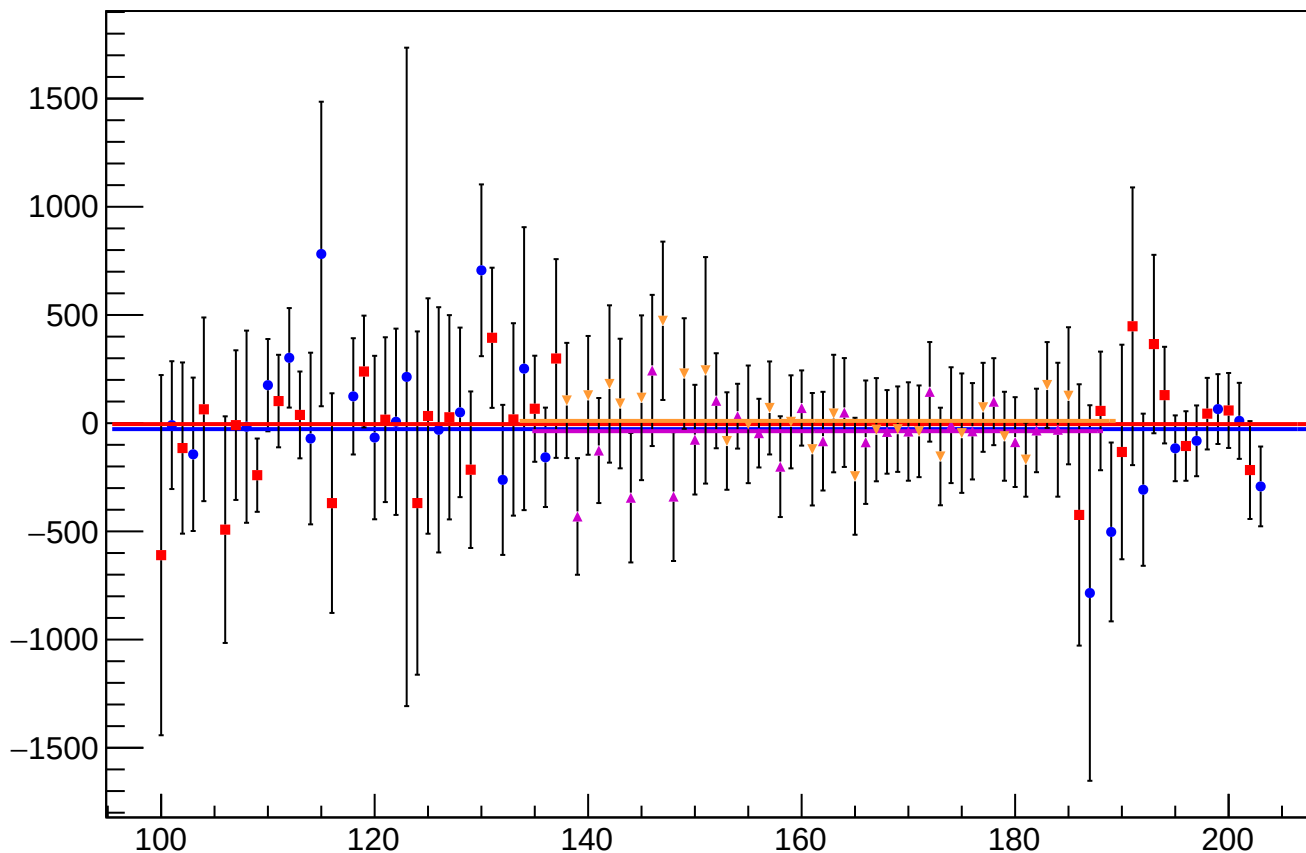
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 187.153 $\pm$ 0.025 χ^2 /NDF: 4022350.8/49

All: 181.684 $\pm$ 0.017 χ^2 /NDF: 8441114.7/100

- sign 176.746 $\pm$ 0.024 χ^2 /NDF: 4327888.6/51

asym_bcm_dg_us_mean vs Slug



Right In: -27.480 ± 54.054 χ^2/NDF : 14.8/24

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: -4.265 ± 52.521 χ^2/NDF : 11.5/28

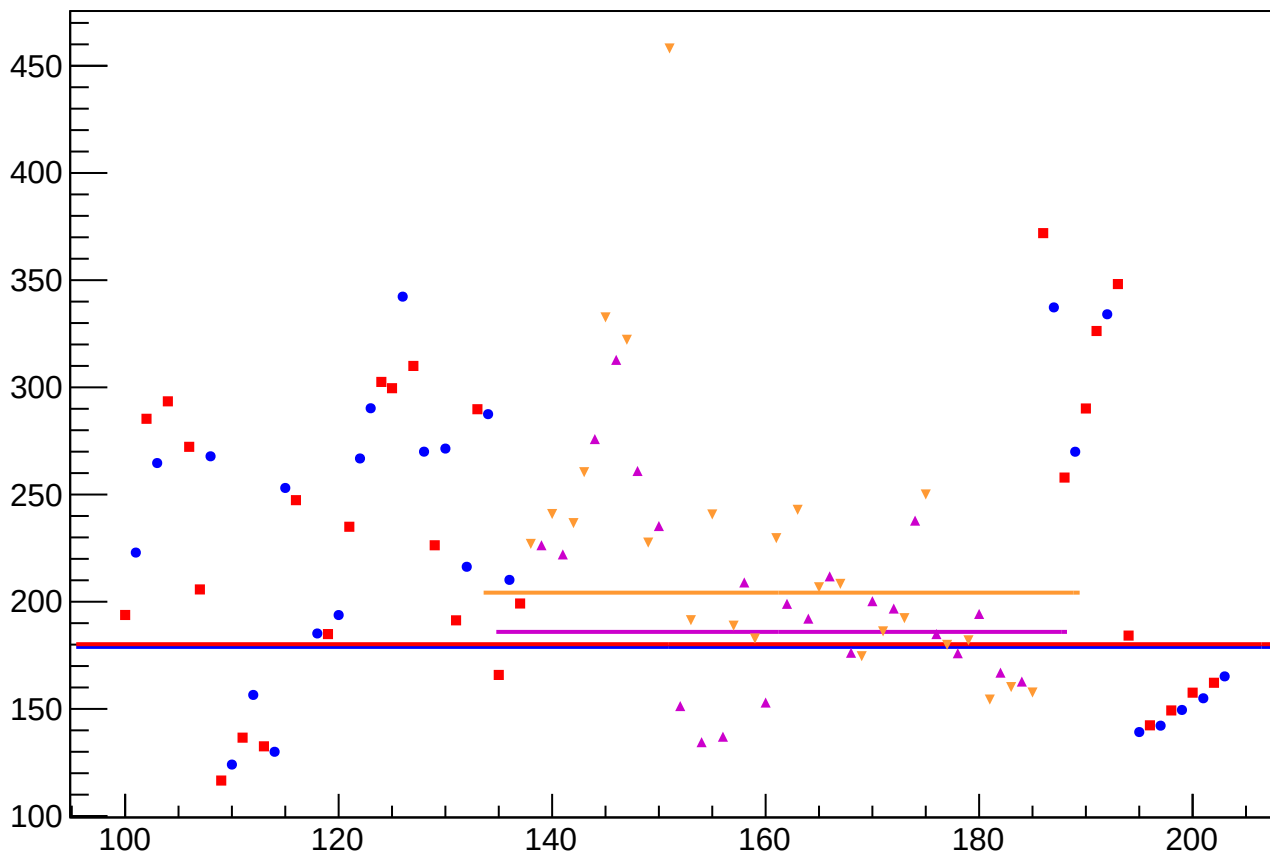
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -6.689 ± 36.383 χ^2/NDF : 22.5/49

All: -15.042 ± 25.132 χ^2/NDF : 42.2/101

- sign -22.665 ± 34.756 χ^2/NDF : 19.6/51

asym_bcm_dg_us_rms vs Slug



Right In: 178.935 $\pm$ 0.038 χ^2 /NDF: 1948273.2/24

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 180.191 $\pm$ 0.037 χ^2 /NDF: 2499081.7/28

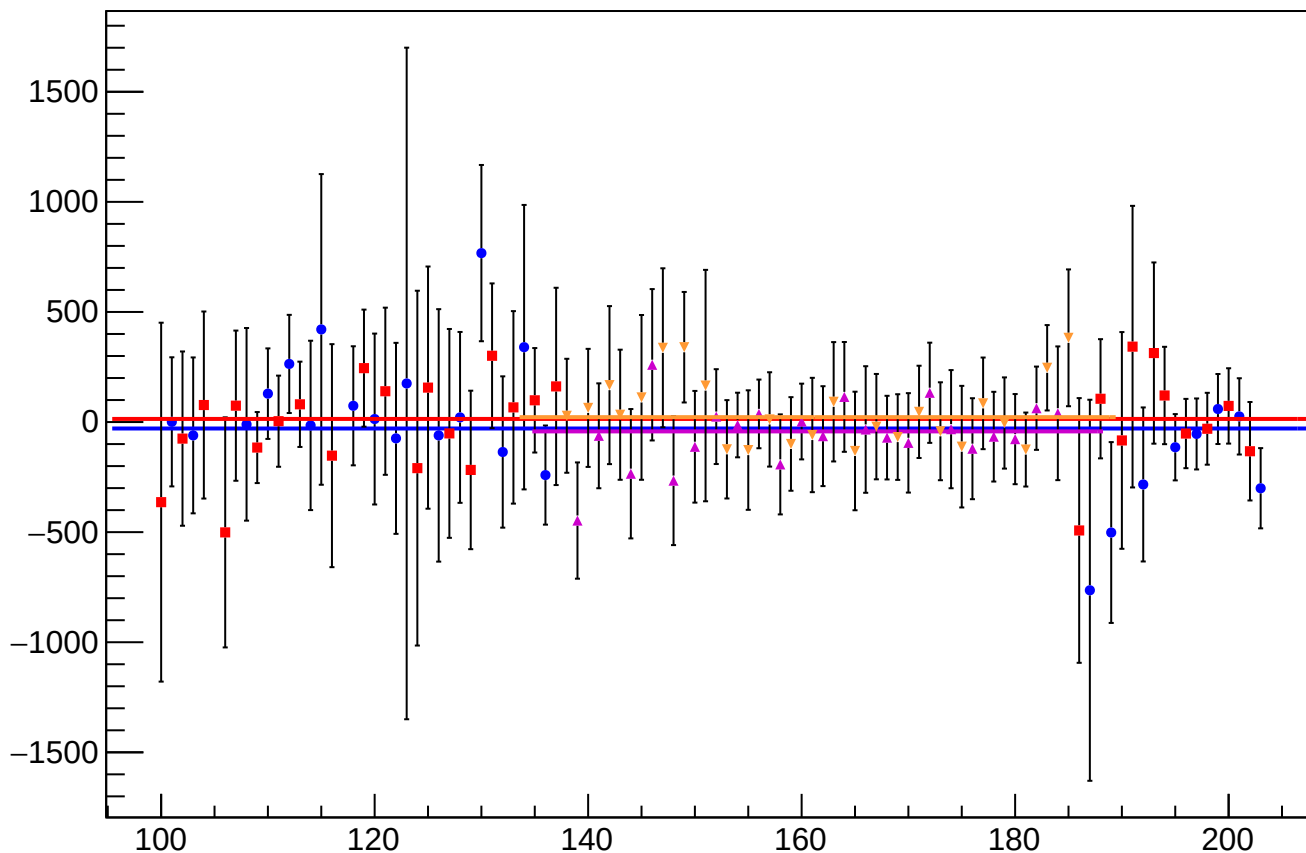
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 192.773 $\pm$ 0.026 χ^2 /NDF: 3863596.8/49

All: 187.881 $\pm$ 0.018 χ^2 /NDF: 7905312.5/100

- sign 183.418 $\pm$ 0.025 χ^2 /NDF: 3972576.1/51

asym_bcm_dg_ds_mean vs Slug



Right In: -29.285 ± 53.372 χ^2/NDF : 13.8/24

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 14.172 ± 51.654 χ^2/NDF : 7.3/28

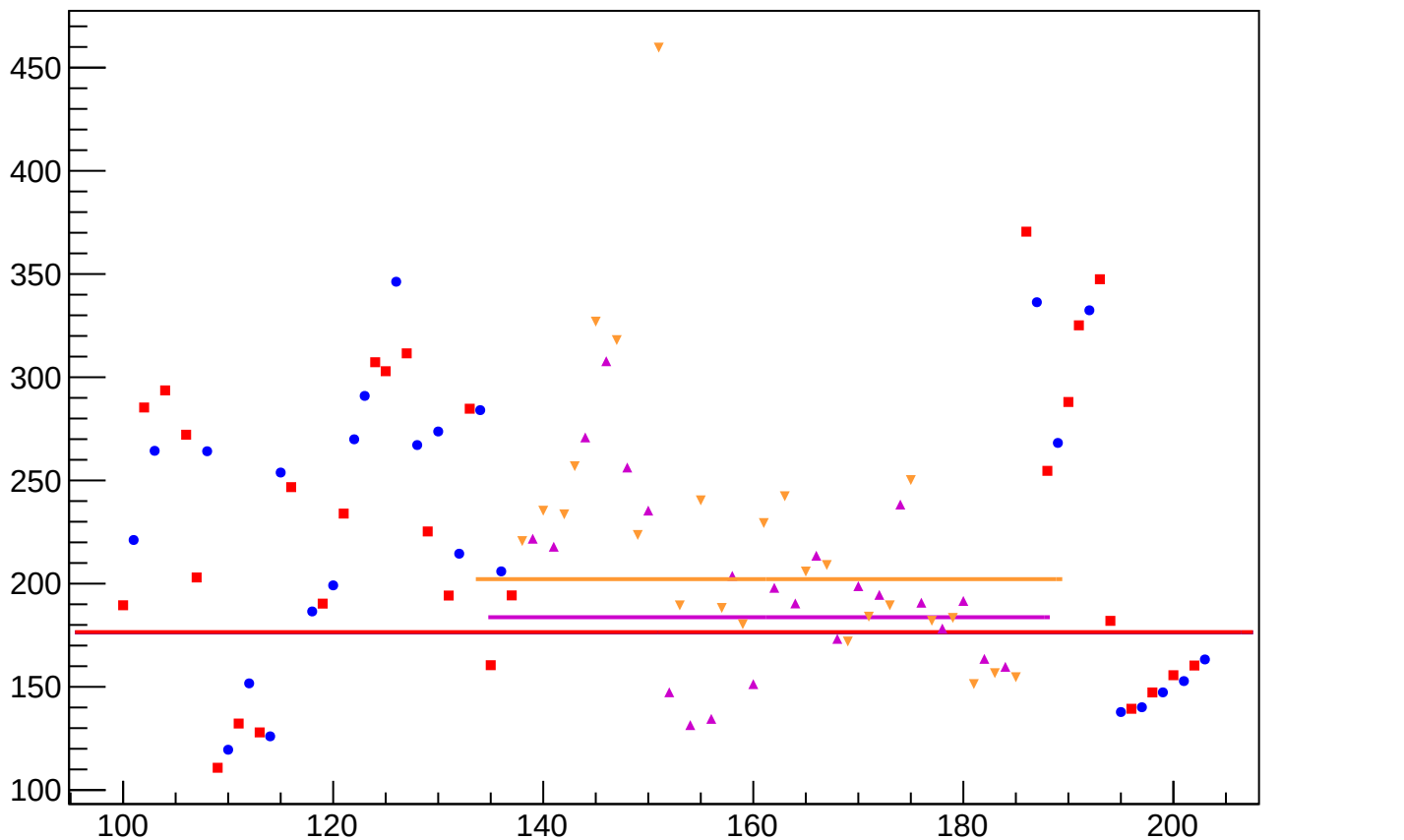
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -1.217 ± 35.990 χ^2/NDF : 22.6/49

All: -9.745 ± 24.828 χ^2/NDF : 37.5/101

- sign -17.489 ± 34.294 χ^2/NDF : 14.7/51

asym_bcm_dg_ds_rms vs Slug



Right In: 176.347 ± 0.038 χ^2/NDF : 2031564.5/24

Left Out: 202.186 ± 0.034 χ^2/NDF : 1696571.9/24

Right Out: 176.518 ± 0.037 χ^2/NDF : 2667355.7/28

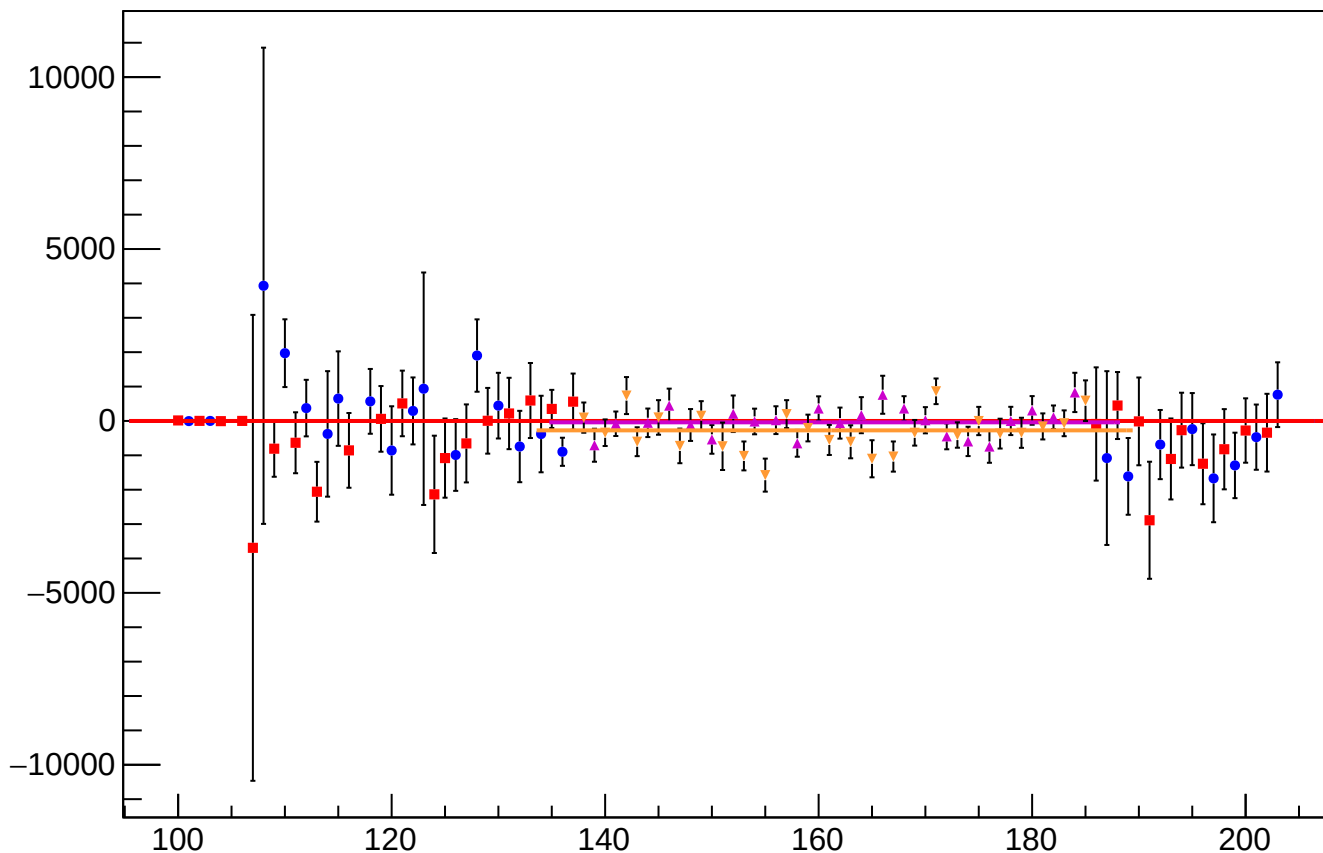
Left In: 183.732 ± 0.032 χ^2/NDF : 1495930.4/22

+ sign 190.437 ± 0.025 χ^2/NDF : 3983744.8/49

All: 185.256 ± 0.018 χ^2/NDF : 8247910.5/100

- sign 180.552 ± 0.024 χ^2/NDF : 4185098.9/51

asym_cav4bQ_mean vs Slug



Right In: -1.551 ± 2.251 χ^2/NDF : 24.1/24

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.747 ± 2.111 χ^2/NDF : 24.0/28

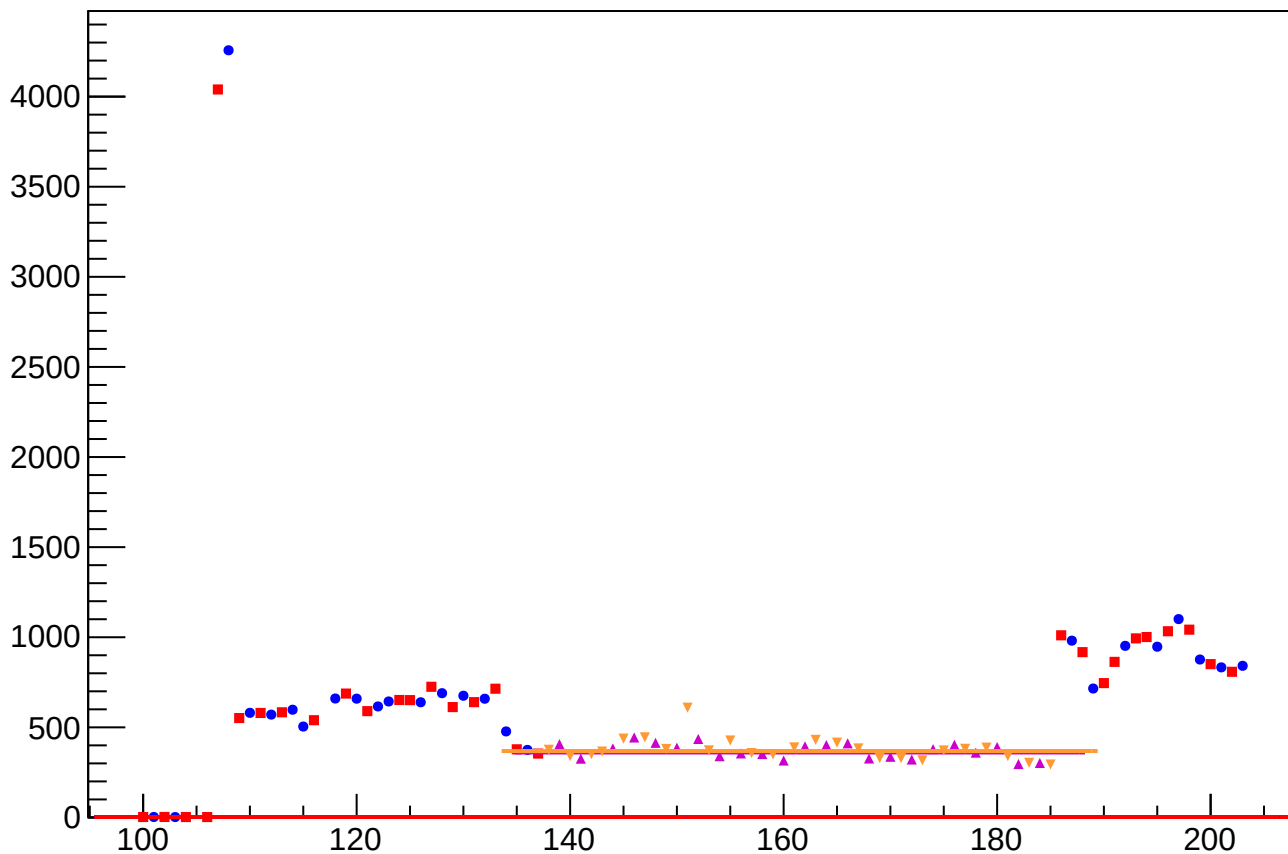
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.734 ± 2.251 χ^2/NDF : 72.3/49

All: -1.221 ± 1.540 χ^2/NDF : 116.8/101

- sign -0.770 ± 2.110 χ^2/NDF : 44.4/51

asym_cav4bQ_rms vs Slug



Right In: 2.486+/-0.002 χ^2/NDF : 21476497.6/24

Left Out: 368.500+/-0.061 χ^2/NDF : 623011.6/24

Right Out: 2.467+/-0.001 χ^2/NDF : 23674059.6/28

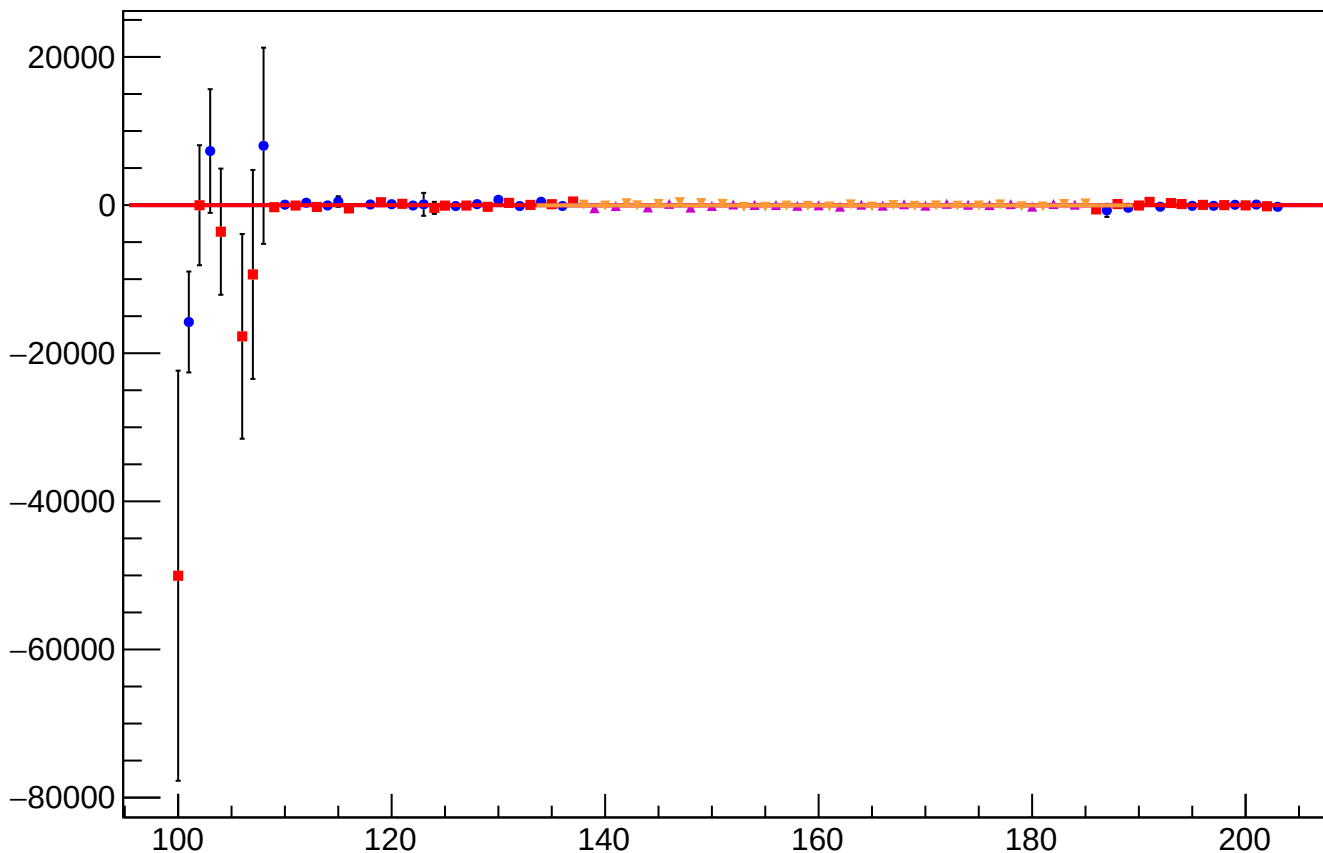
Left In: 360.571+/-0.062 χ^2/NDF : 421995.5/22

+ sign 2.732+/-0.002 χ^2/NDF : 57580875.3/49

All: 2.702+/-0.001 χ^2/NDF : 115180295.5/101

- sign 2.675+/-0.001 χ^2/NDF : 57598735.9/51

asym_cav4cQ_mean vs Slug



Right In: -7.310 $\pm$ 58.910 χ^2 /NDF: 17.1/24

Left Out: -39.036 $\pm$ 49.576 χ^2 /NDF: 9.1/24

Right Out: -12.456 $\pm$ 58.035 χ^2 /NDF: 17.2/28

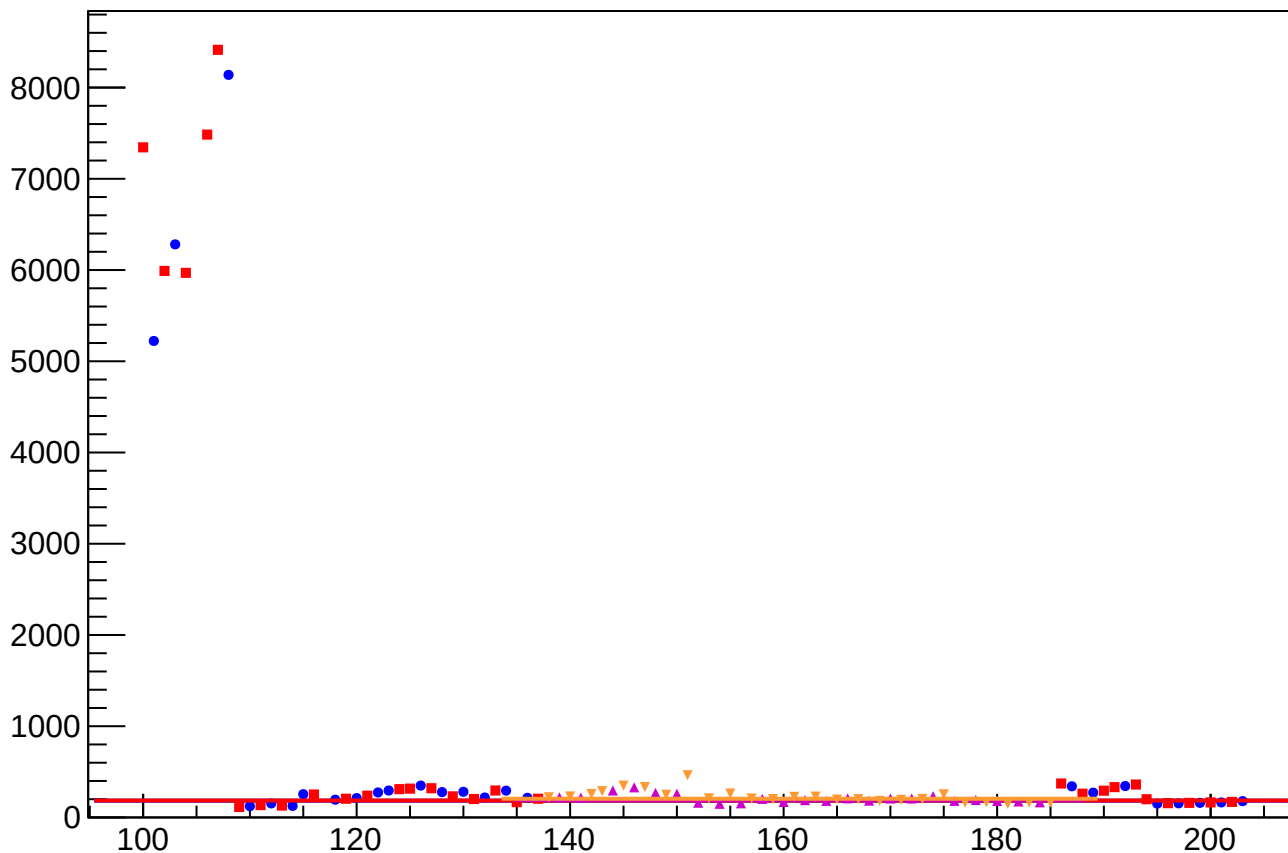
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -25.883 $\pm$ 37.932 χ^2 /NDF: 26.4/49

All: -23.749 $\pm$ 26.487 χ^2 /NDF: 53.3/101

- sign -21.718 $\pm$ 37.002 χ^2 /NDF: 26.8/51

asym_cav4cQ_rms vs Slug



Right In: 183.820 $\pm$ 0.042 χ^2 /NDF: 4481416.4/24

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 185.597 $\pm$ 0.041 χ^2 /NDF: 5330232.3/28

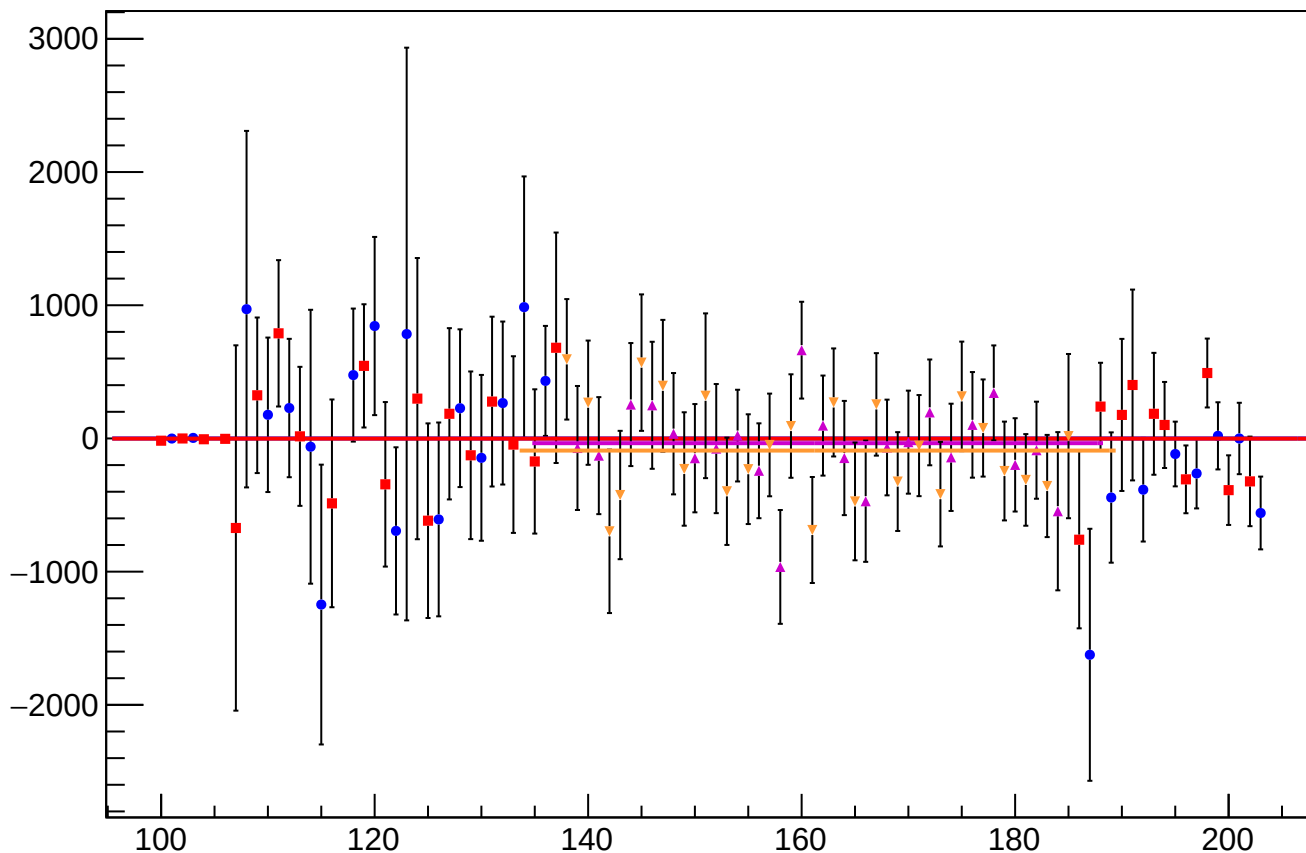
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 196.286 $\pm$ 0.027 χ^2 /NDF: 6591865.6/49

All: 193.247 $\pm$ 0.019 χ^2 /NDF: 13149277.6/10

- sign 190.356 $\pm$ 0.026 χ^2 /NDF: 6532367.7/51

asym_cav4dQ_mean vs Slug



Right In: -0.199 ± 1.736 χ^2/NDF : 20.3/24

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.328 ± 1.622 χ^2/NDF : 20.0/28

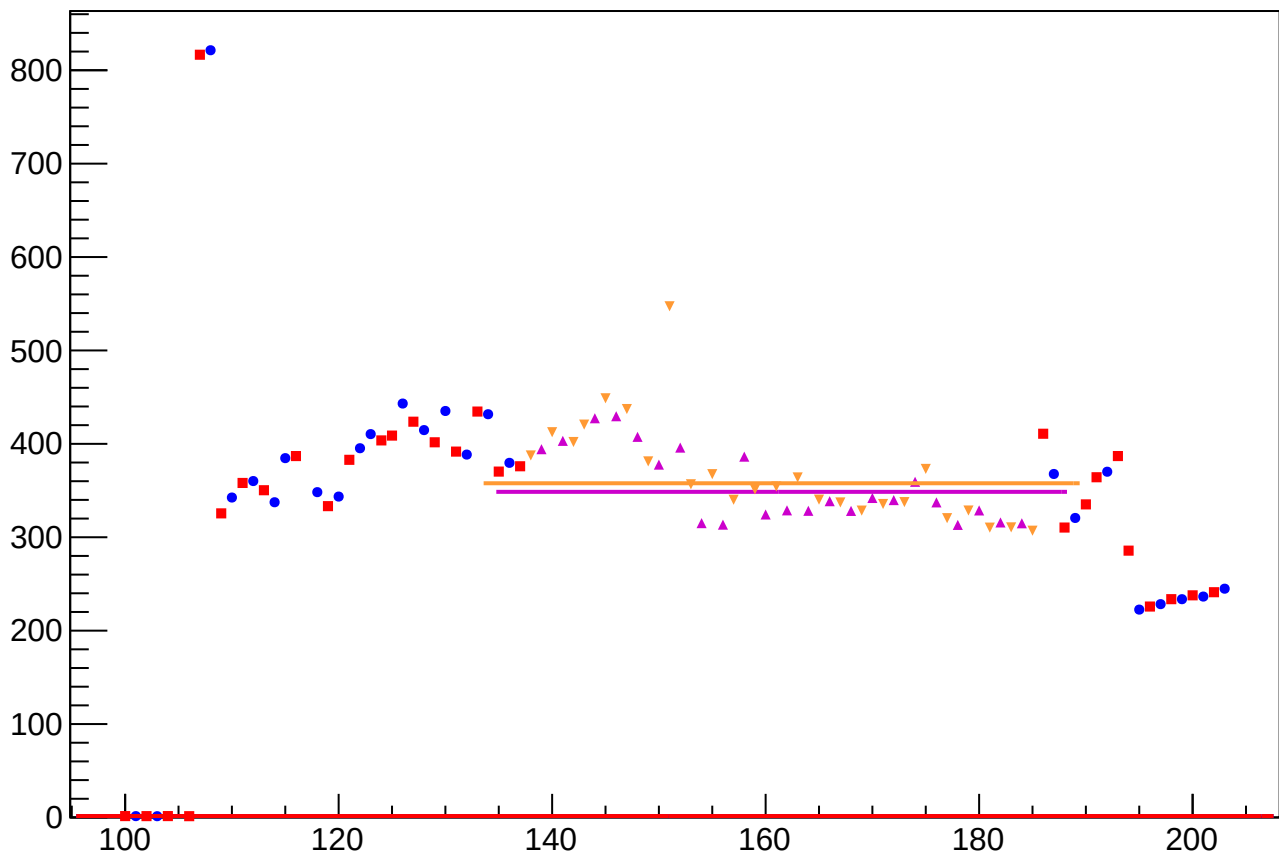
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.237 ± 1.736 χ^2/NDF : 37.9/49

All: -0.827 ± 1.185 χ^2/NDF : 71.7/101

- sign -1.341 ± 1.622 χ^2/NDF : 33.6/51

asym_cav4dQ_rms vs Slug



Right In: 1.517 $\pm$ 0.001 χ^2 /NDF: 21692395.5/24

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF: 547036.5/24

Right Out: 1.510 $\pm$ 0.001 χ^2 /NDF: 23333591.4/28

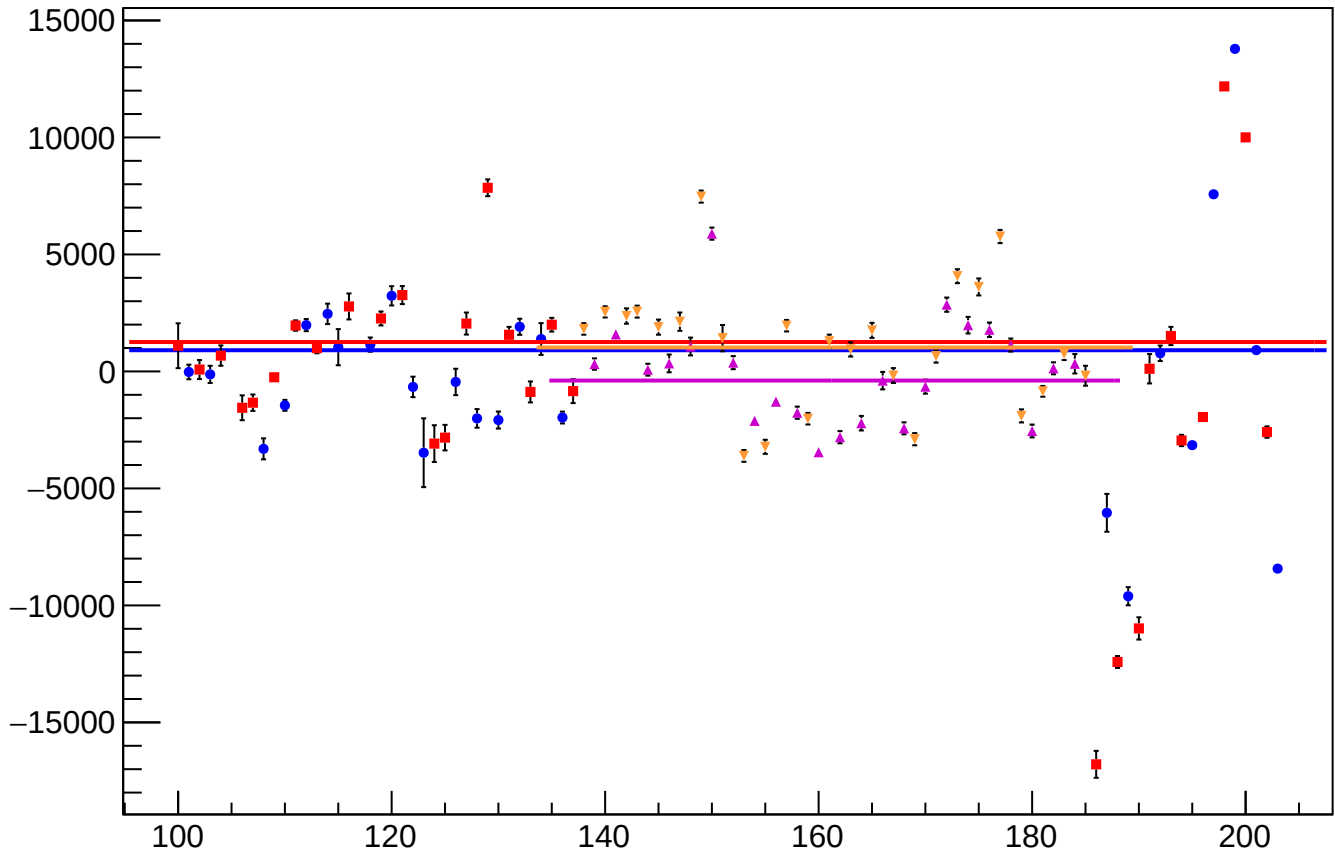
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

+ sign 1.668 $\pm$ 0.001 χ^2 /NDF: 58137887.5/49

All: 1.653 $\pm$ 0.001 χ^2 /NDF: 115662364.4/101

- sign 1.639 $\pm$ 0.001 χ^2 /NDF: 57524162.3/51

asym_bcm0l02_mean vs Slug



Right In: 905.518 ± 58.407 χ^2/NDF : 10777.7/24

Left Out: 1023.439 ± 57.338 χ^2/NDF : 2309.4/24

Right Out: 1256.939 ± 56.149 χ^2/NDF : 11893.5/28

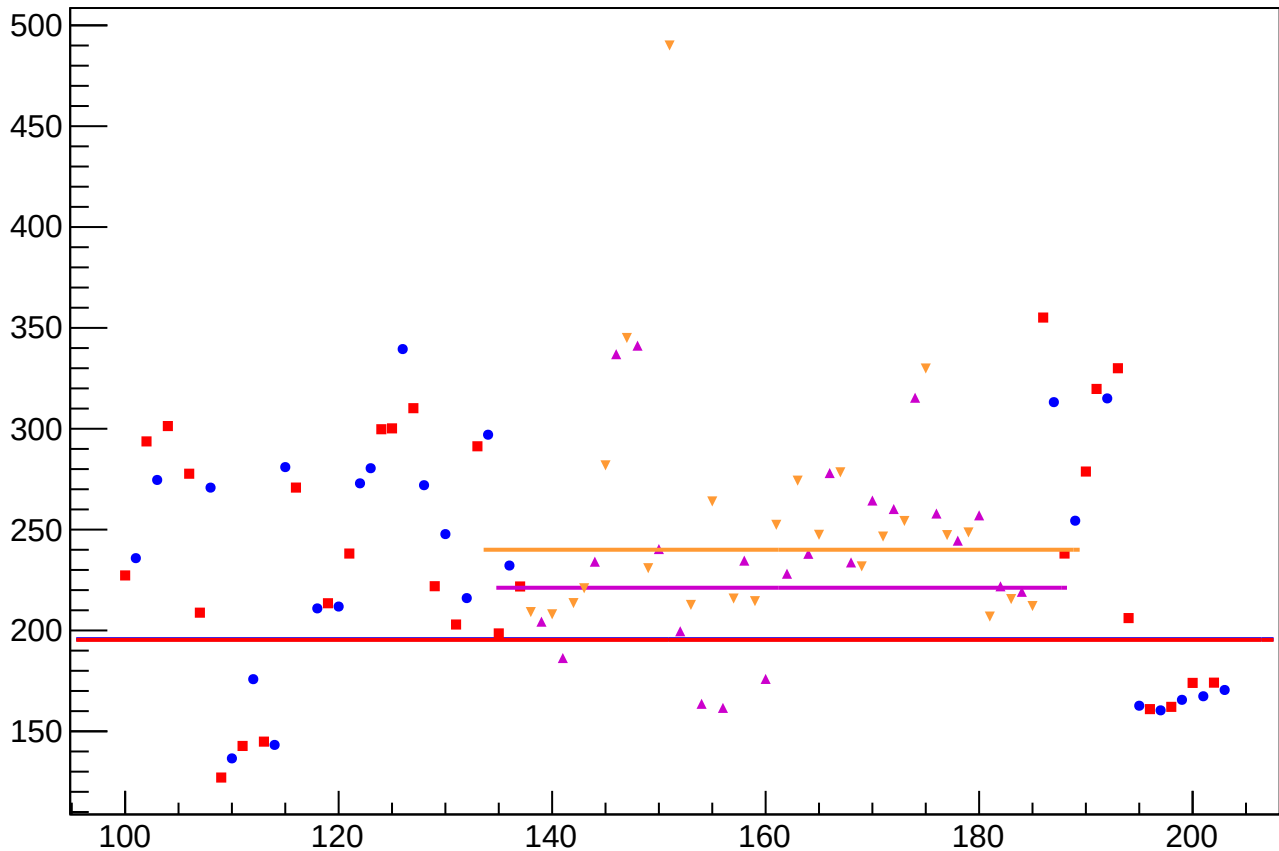
Left In: -390.237 ± 54.931 χ^2/NDF : 1584.9/22

+ sign 965.568 ± 40.917 χ^2/NDF : 13089.2/49

All: 679.102 ± 28.331 χ^2/NDF : 27101.5/101

- sign 415.290 ± 39.266 χ^2/NDF : 13918.2/51

asym_bcm0l02_rms vs Slug



Right In: 195.677 $\pm$ 0.041 χ^2 /NDF: 1413725.6/24

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 195.335 $\pm$ 0.040 χ^2 /NDF: 1961708.2/28

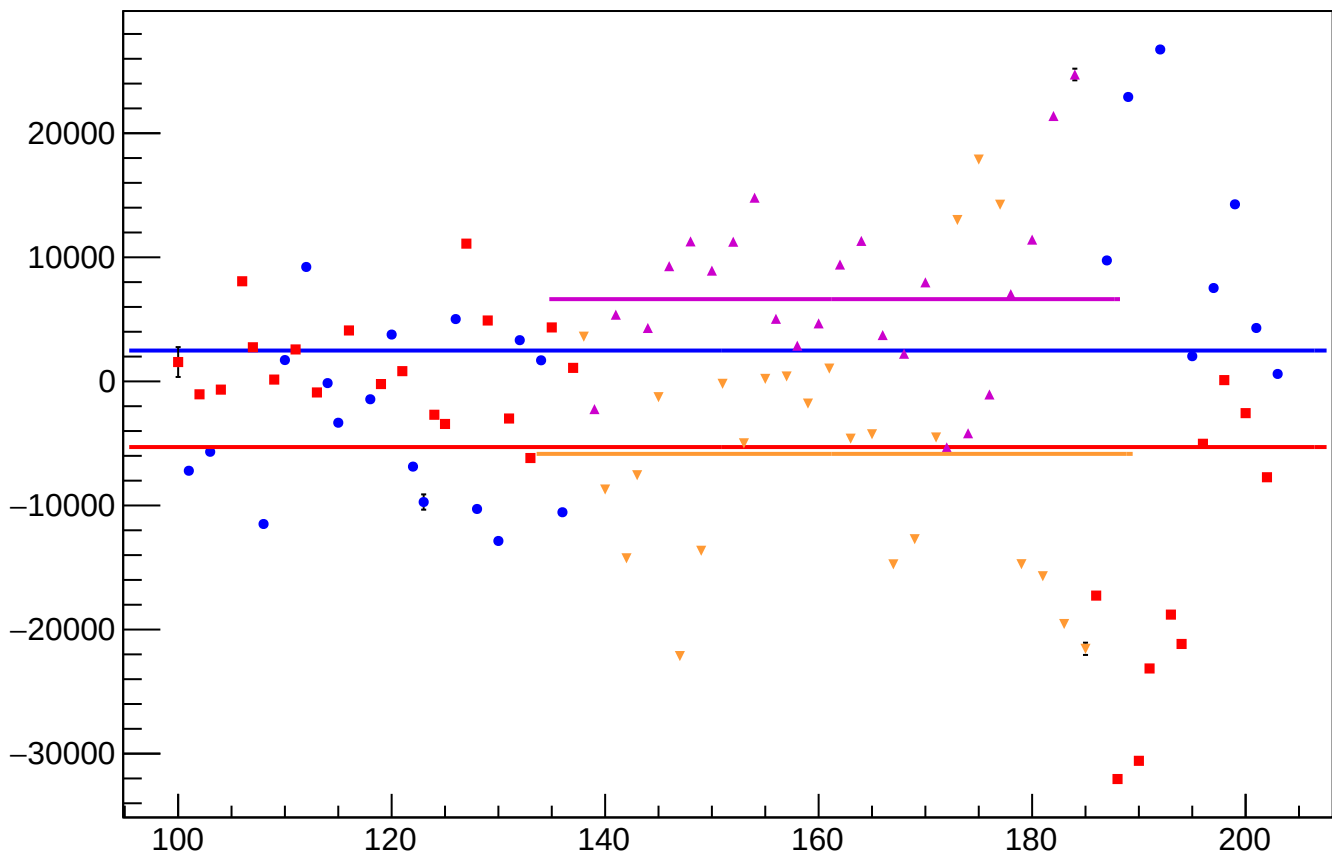
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 218.258 $\pm$ 0.029 χ^2 /NDF: 3003166.5/49

All: 213.197 $\pm$ 0.020 χ^2 /NDF: 6582551.3/100

- sign 208.537 $\pm$ 0.028 χ^2 /NDF: 3520621.5/51

asym_bpm2i01WS_mean vs Slug



Right In: 2486.213 $\pm$ 38.144 χ^2 /NDF: 77374.1/24

Left Out: -5841.615 $\pm$ 35.848 χ^2 /NDF: 63397.3/24

Right Out: -5292.225 $\pm$ 35.800 χ^2 /NDF: 101427.4/28

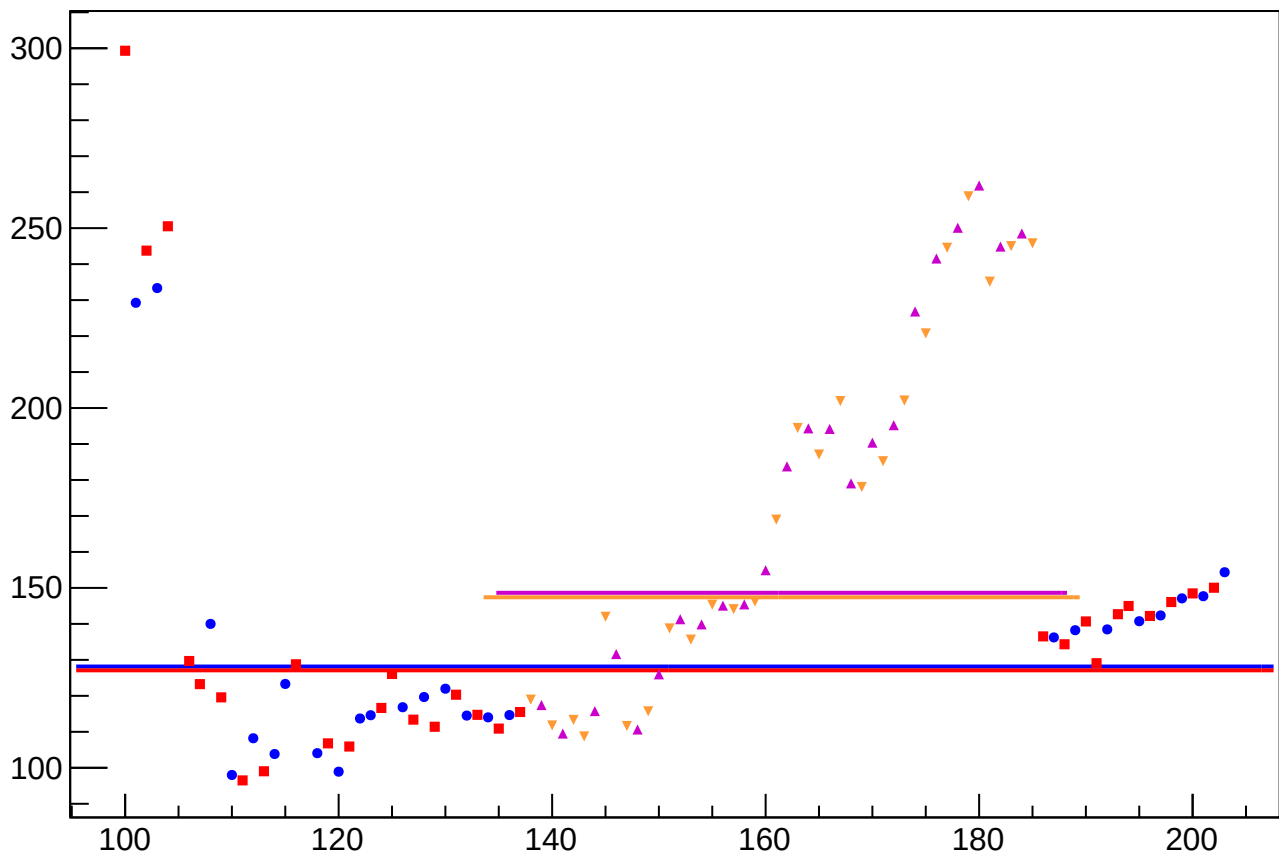
Left In: 6628.388 $\pm$ 37.160 χ^2 /NDF: 21738.0/22

+ sign -1935.962 $\pm$ 26.122 χ^2 /NDF: 166082.1/49

All: -729.420 $\pm$ 18.350 χ^2 /NDF: 346830.6/10

- sign 445.854 $\pm$ 25.782 χ^2 /NDF: 176537.1/51

asym_bpm2i01WS_rms vs Slug



Right In: 128.151+/-0.027 χ^2/NDF : 865105.4/24

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 127.094+/-0.025 χ^2/NDF : 947574.5/28

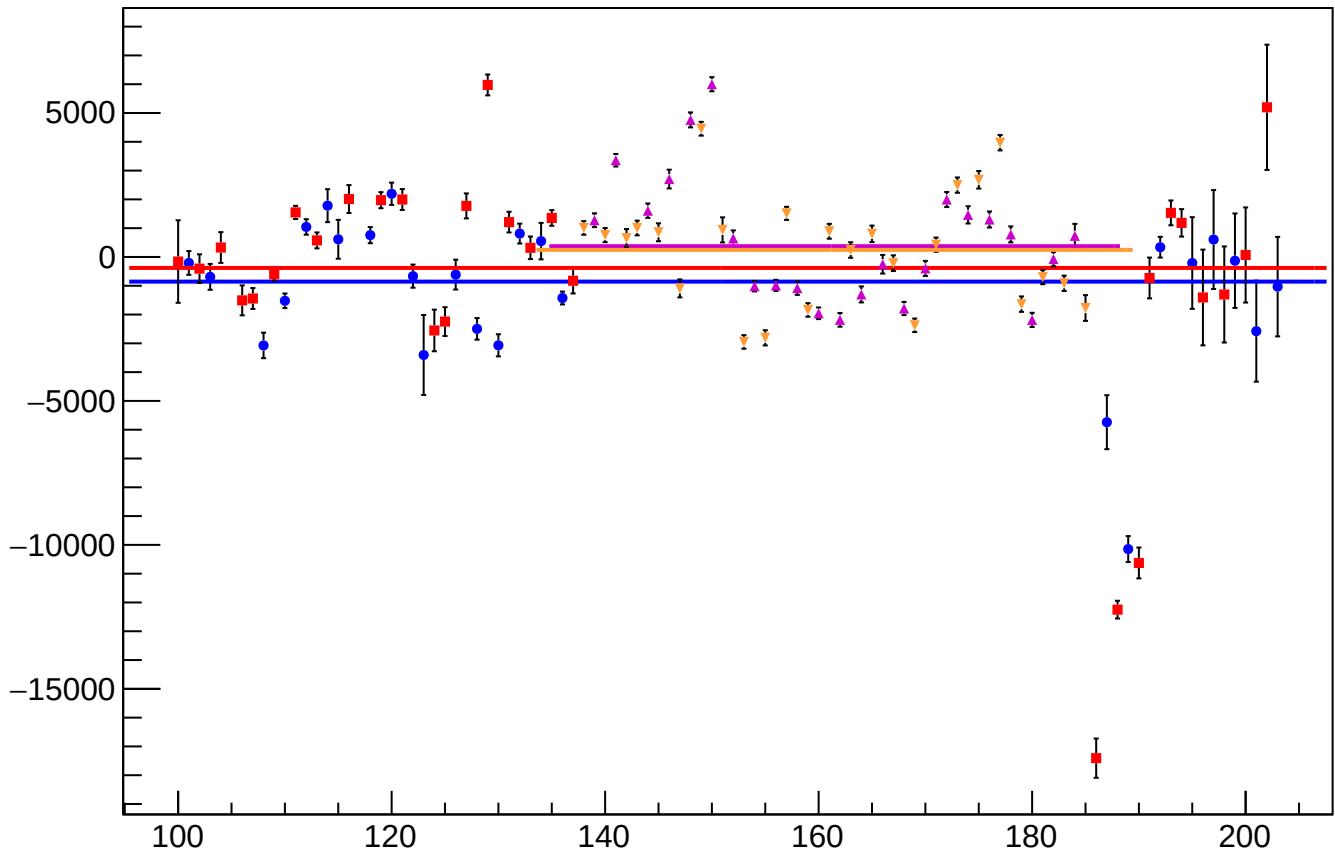
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 138.370+/-0.018 χ^2/NDF : 3652547.5/49

All: 137.912+/-0.013 χ^2/NDF : 7365656.3/100

- sign 137.466+/-0.018 χ^2/NDF : 3711895.3/51

asym_bpm0i07WS_mean vs Slug



Right In: -856.223 ± 84.323 χ^2/NDF : 761.4/24

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -380.854 ± 75.163 χ^2/NDF : 3167.4/28

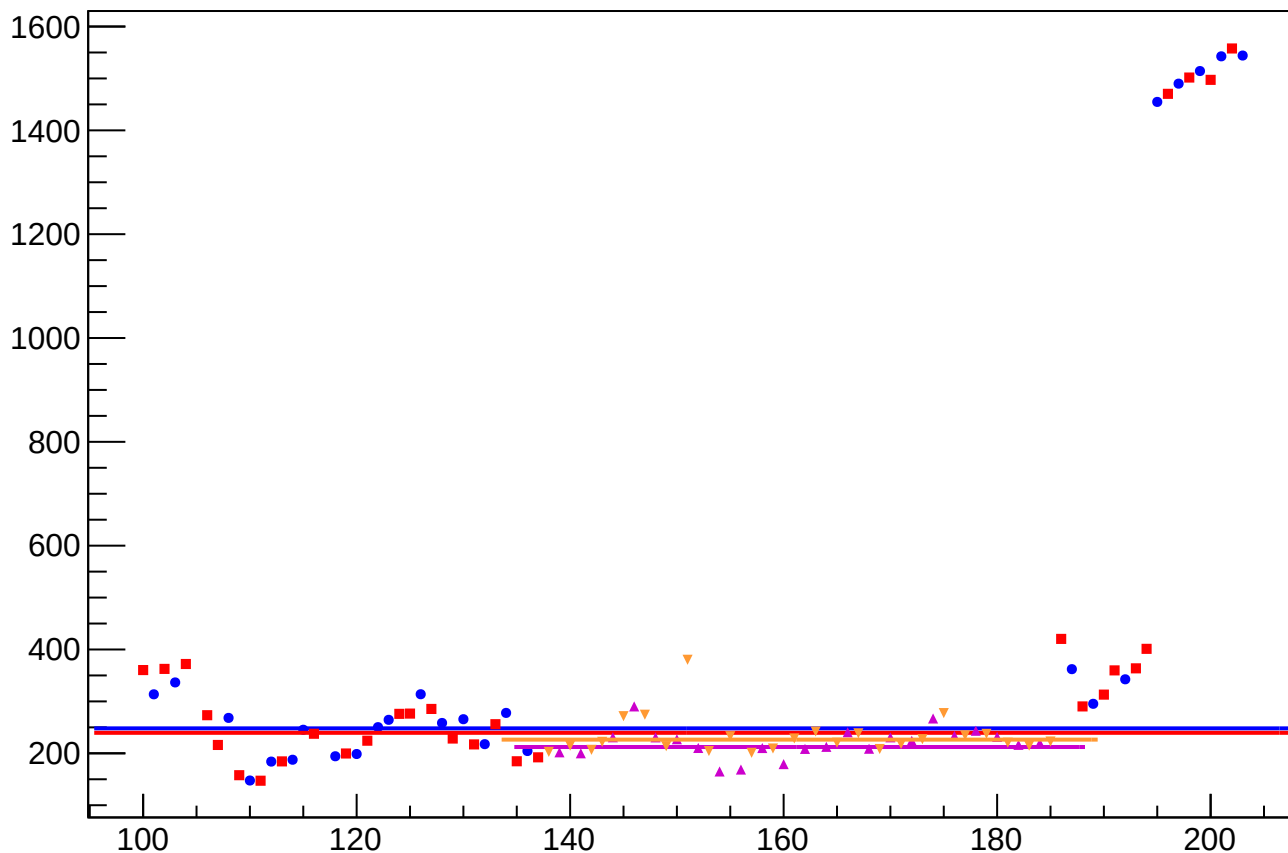
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -70.194 ± 45.170 χ^2/NDF : 2238.1/49

All: 35.863 ± 31.031 χ^2/NDF : 7282.6/101

- sign 130.655 ± 42.704 χ^2/NDF : 5034.1/51

asym_bpm0i07WS_rms vs Slug



Right In: 248.059+/-0.060 χ^2/NDF : 6610910.7/24

Left Out: 226.376+/-0.038 χ^2/NDF : 521770.1/24

Right Out: 239.484+/-0.053 χ^2/NDF : 5966918.9/28

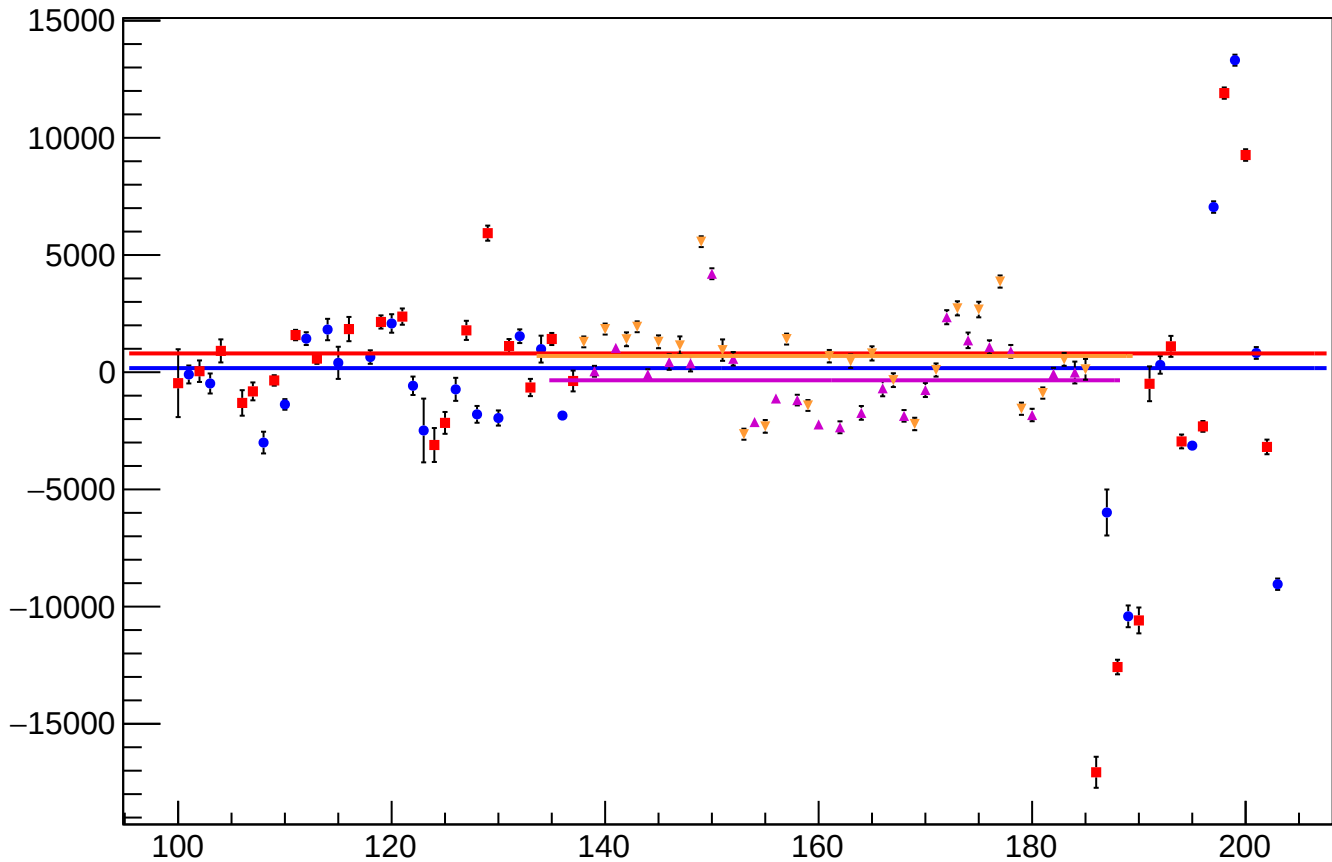
Left In: 212.145+/-0.037 χ^2/NDF : 591698.6/22

+ sign 232.598+/-0.032 χ^2/NDF : 7226984.4/49

All: 226.458+/-0.022 χ^2/NDF : 14034775.8/10

- sign 220.970+/-0.030 χ^2/NDF : 6737805.4/51

asym_bpm0l01WS_mean vs Slug



Right In: 174.837 ± 64.223 $\chi^2/\text{NDF}: 6501.1/24$

Left Out: 694.326 ± 54.246 $\chi^2/\text{NDF}: 1422.1/24$

Right Out: 801.488 ± 61.716 $\chi^2/\text{NDF}: 7281.2/28$

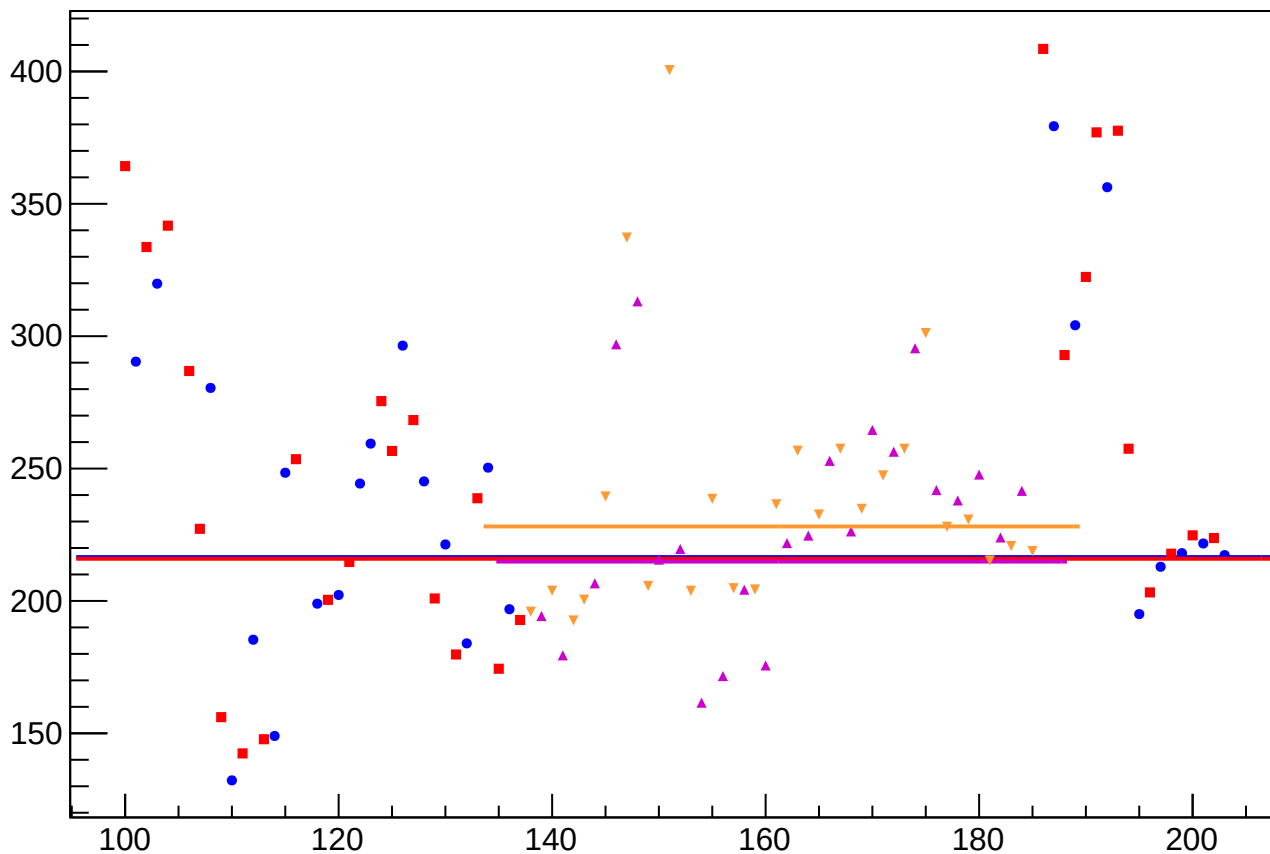
Left In: -344.578 ± 52.954 $\chi^2/\text{NDF}: 985.0/22$

+ sign 478.020 ± 41.442 $\chi^2/\text{NDF}: 7961.4/49$

All: 304.541 ± 28.850 $\chi^2/\text{NDF}: 16460.3/101$

- sign 141.397 ± 40.188 $\chi^2/\text{NDF}: 8464.9/51$

asym_bpm0l01WS_rms vs Slug



Right In: 216.556 $\pm$ 0.045 χ^2 /NDF: 1143829.5/24

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 215.947 $\pm$ 0.044 χ^2 /NDF: 1817820.5/28

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 223.319 $\pm$ 0.029 χ^2 /NDF: 2010228.1/49

All: 219.203 $\pm$ 0.020 χ^2 /NDF: 4904191.3/103

- sign 215.332 $\pm$ 0.028 χ^2 /NDF: 2855675.9/51

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

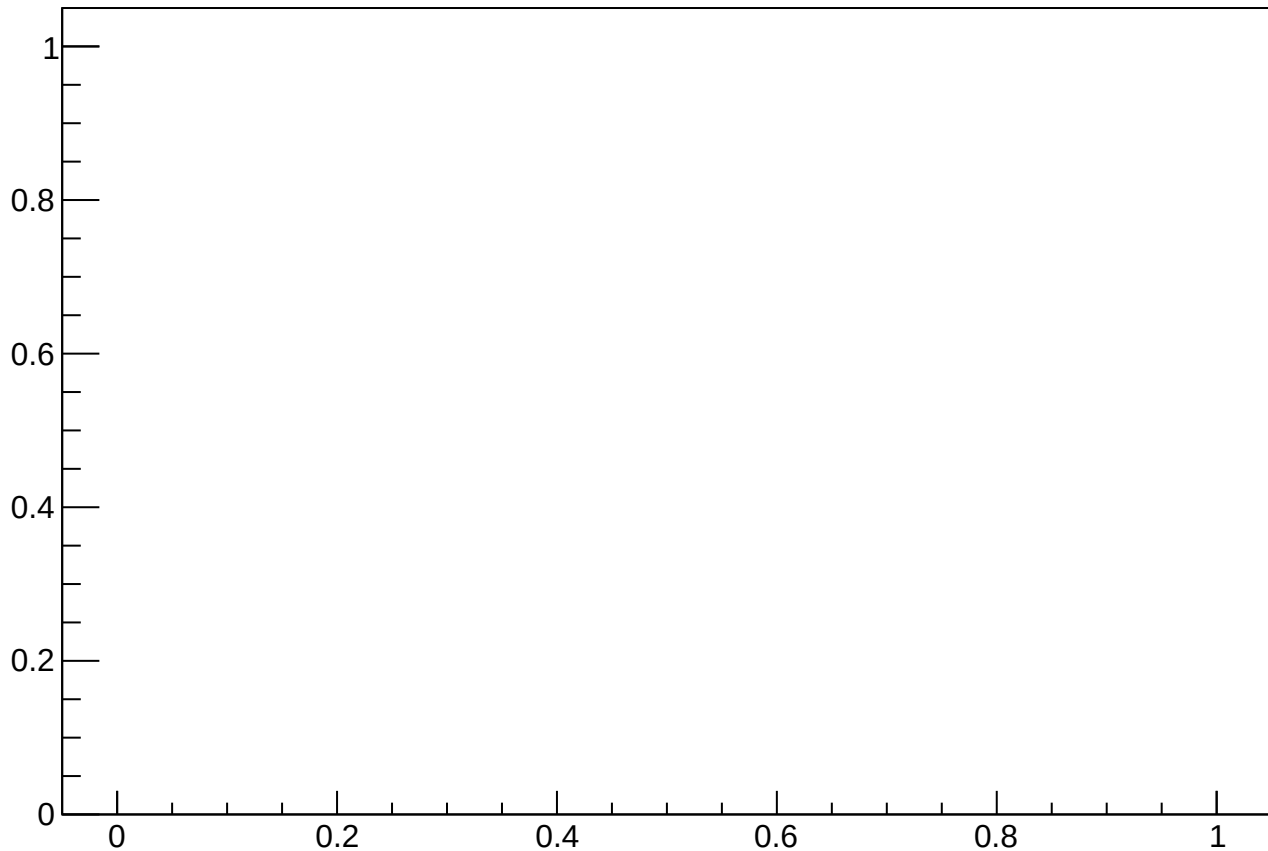
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

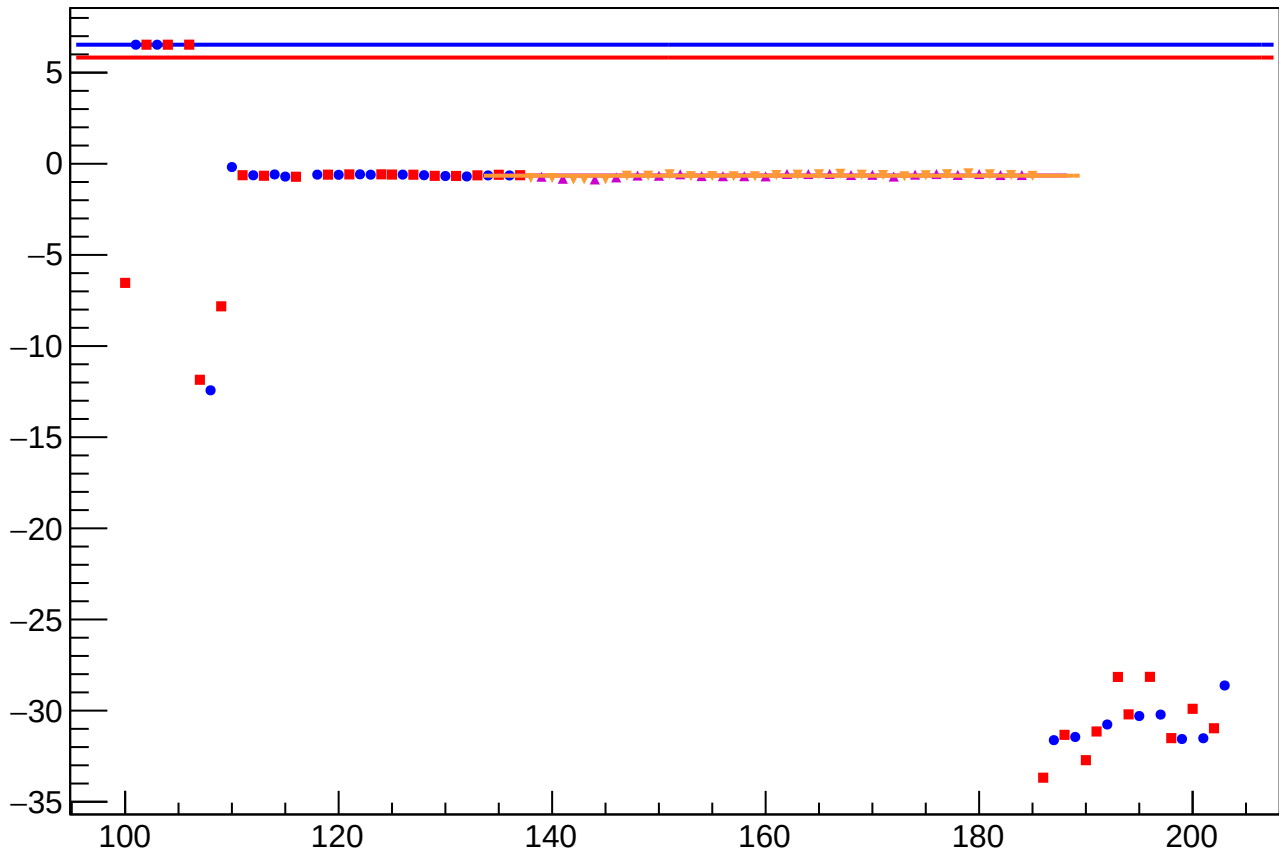
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127966013198.3/24

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962326189231.8/28

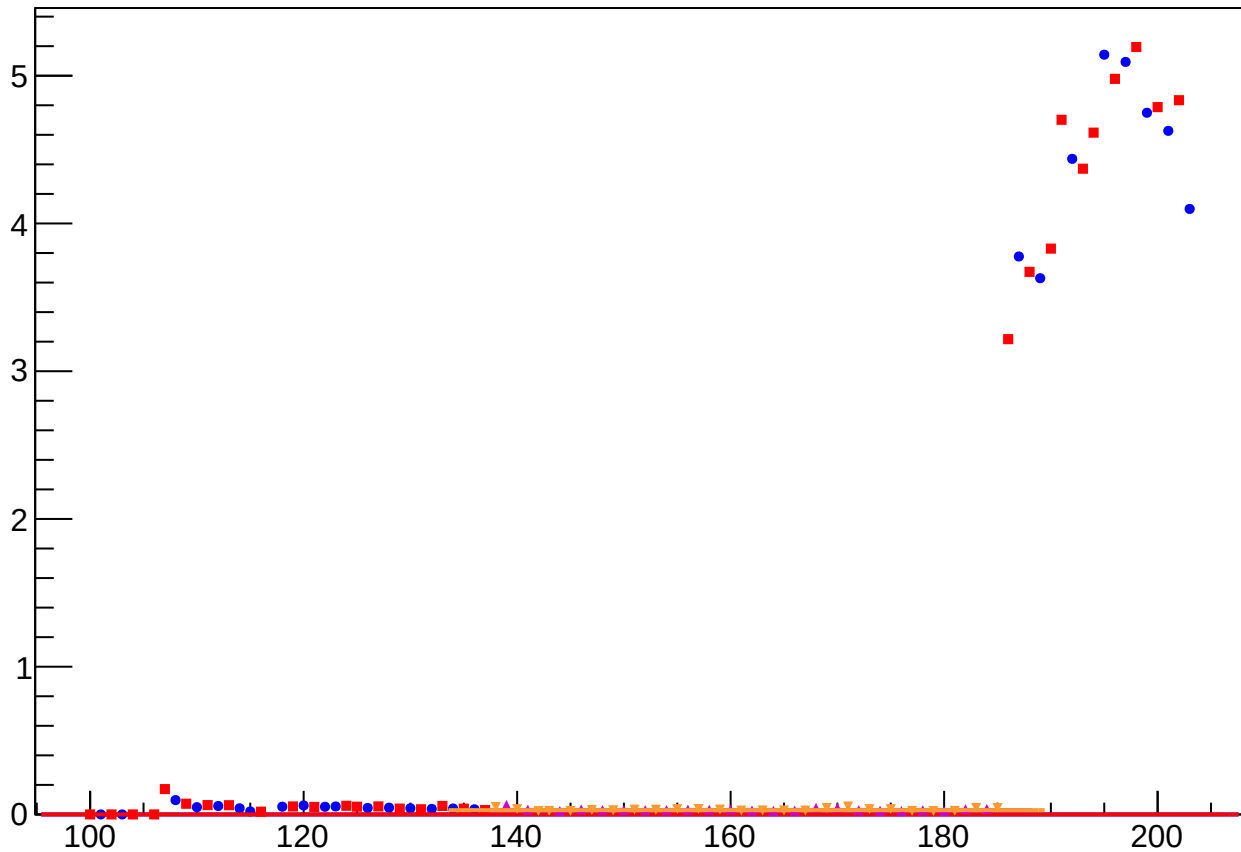
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001805506142.9/49

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762768736054

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640789322267.8/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19570834.6/24

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21757392.6/28

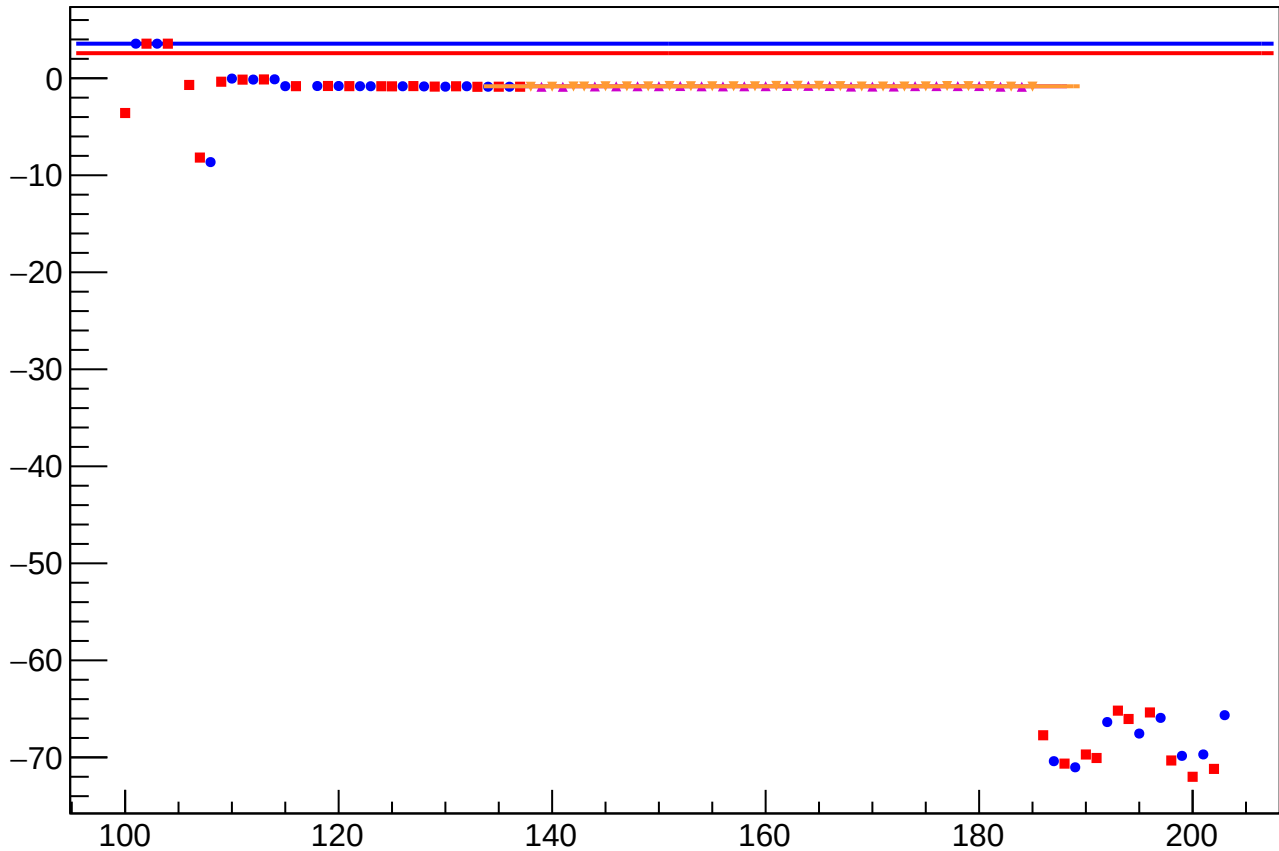
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 49534584.8/49

All: 0.000+/-0.000 χ^2/NDF : 99474483.3/101

- sign 0.000+/-0.000 χ^2/NDF : 49939229.6/51

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 500922409017.3/24

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

+ sign 3.560+/-0.000 χ^2/NDF : 4197369606795.9/49

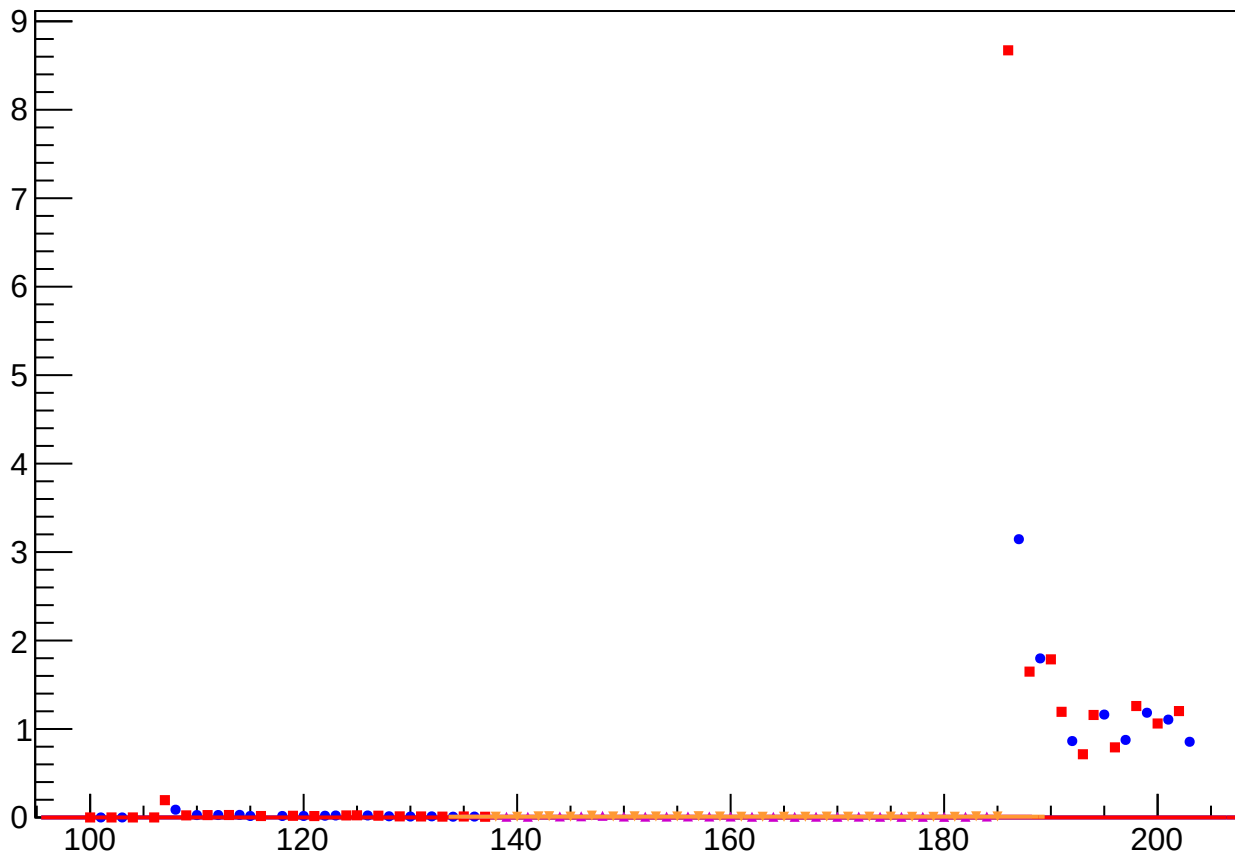
Right Out: 2.583+/-0.000 χ^2/NDF : 1253523840927745.8/28

All: 3.038+/-0.000 χ^2/NDF : 13880204139505

- sign 2.581+/-0.000 χ^2/NDF : 1255744934768585.8

Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18414326.3/24

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 20417798.8/28

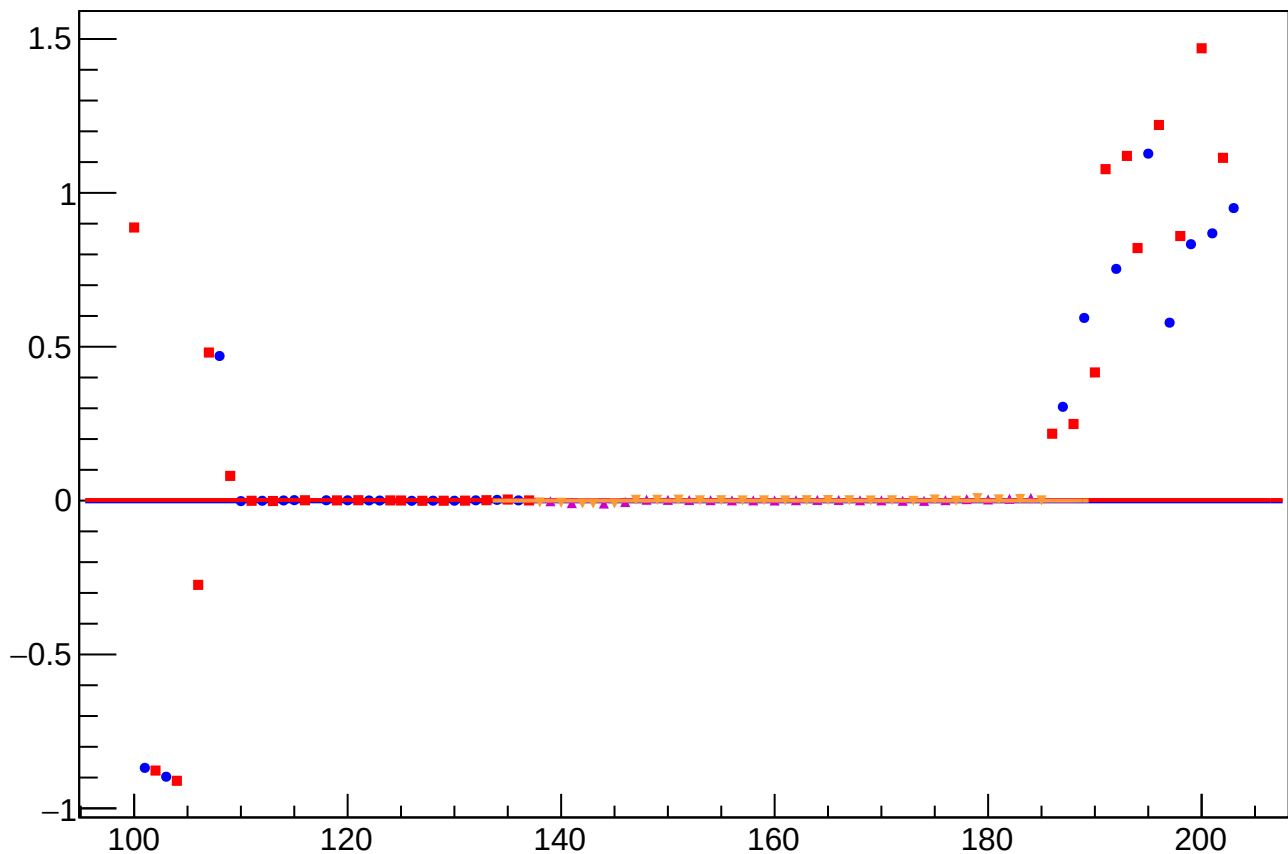
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 49922670.3/49

All: 0.000+/-0.000 χ^2/NDF : 100148171.0/100

- sign 0.000+/-0.000 χ^2/NDF : 50224421.0/51

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9796187181.9/24

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3043203135.5/28

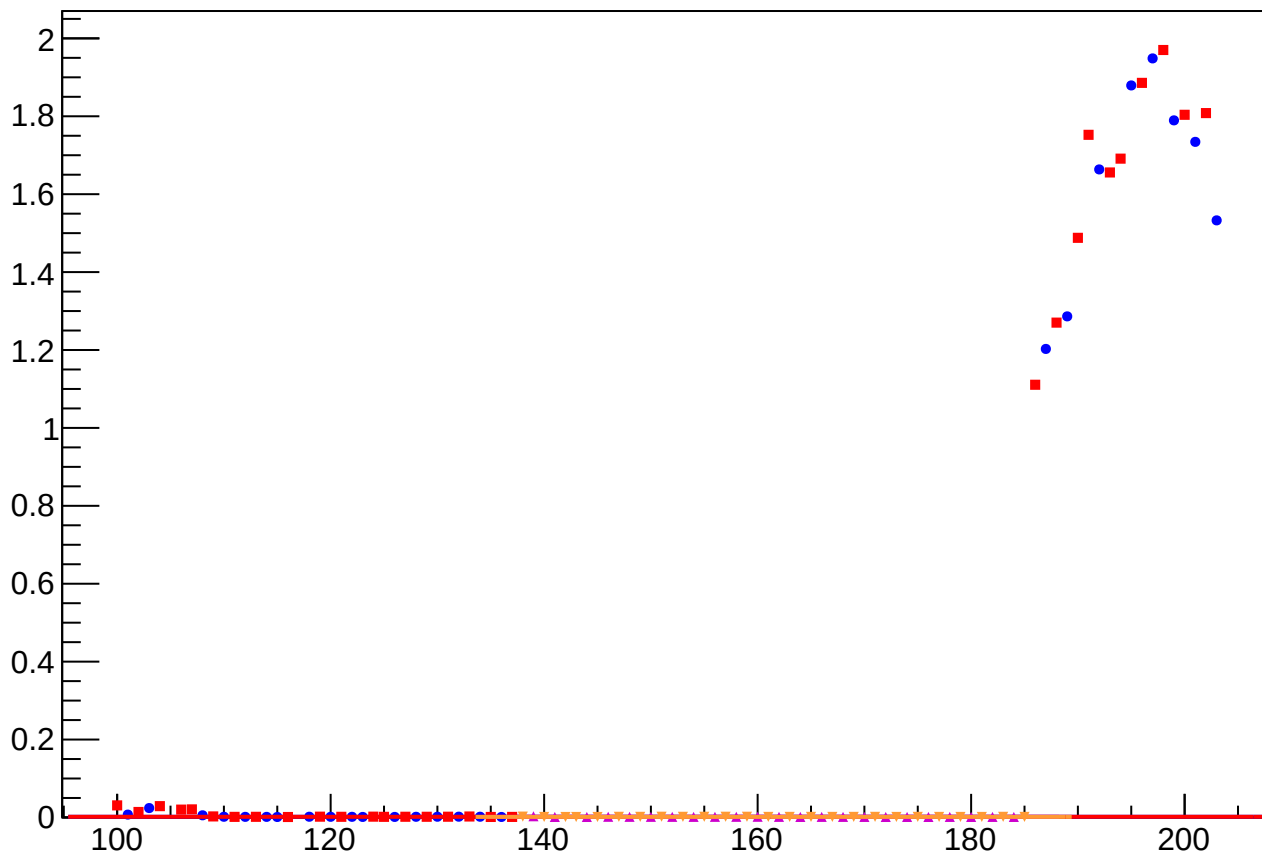
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9954706428.1/49

All: 0.000 ± 0.000 χ^2/NDF : 13108907276.7/131

- sign 0.001 ± 0.000 χ^2/NDF : 3146649477.7/51

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 12606936.9/24

Left Out: 0.001+/-0.000 χ^2/NDF : 539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 15425735.7/28

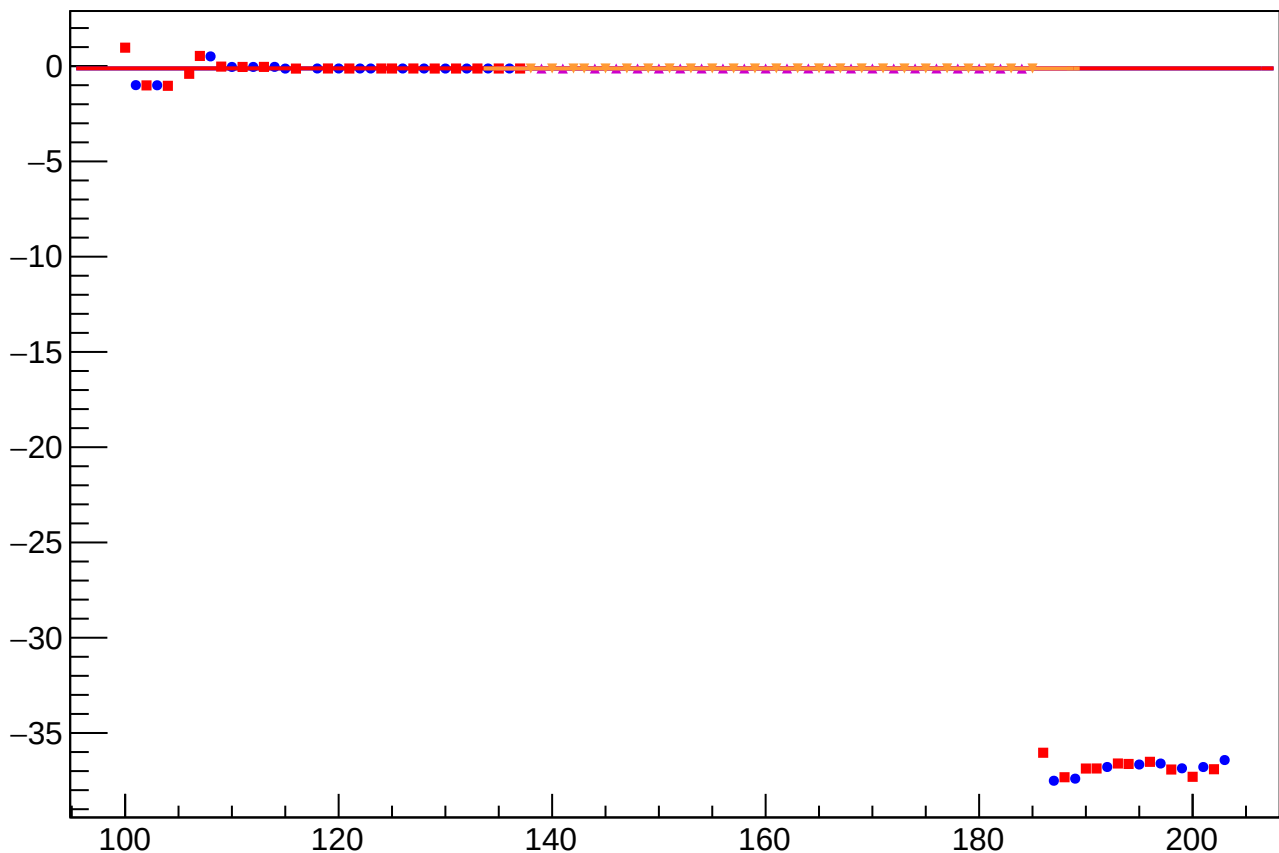
Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 13216985.4/49

All: 0.002+/-0.000 χ^2/NDF : 29420091.4/101

- sign 0.002+/-0.000 χ^2/NDF : 16195211.2/51

yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 50446421815.4/24$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.116 ± 0.000 $\chi^2/\text{NDF}: 53046335701.1/28$

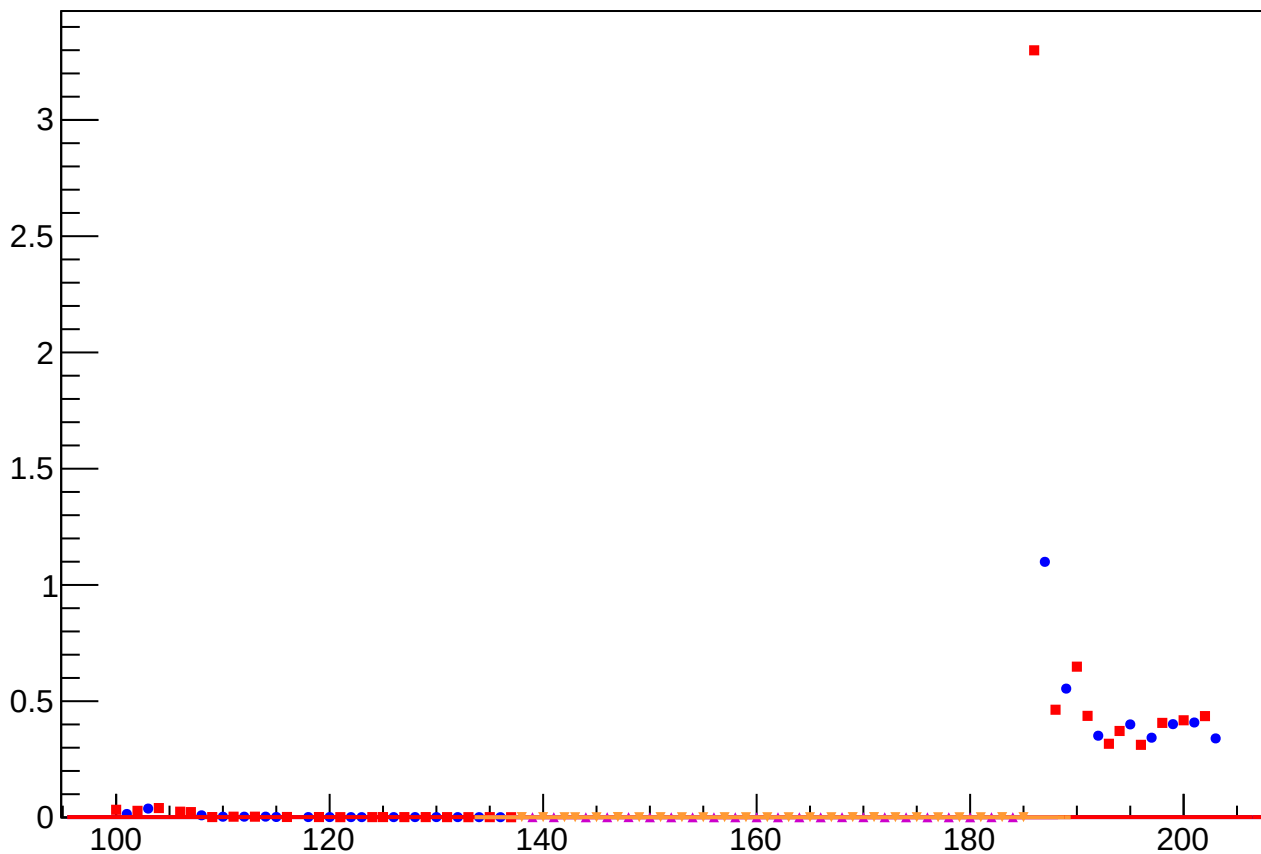
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.121 ± 0.000 $\chi^2/\text{NDF}: 50504765512.5/49$

All: -0.121 ± 0.000 $\chi^2/\text{NDF}: 103647244673.4$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 53138500331.1/51$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 13066461.1/24

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 15430361.2/28

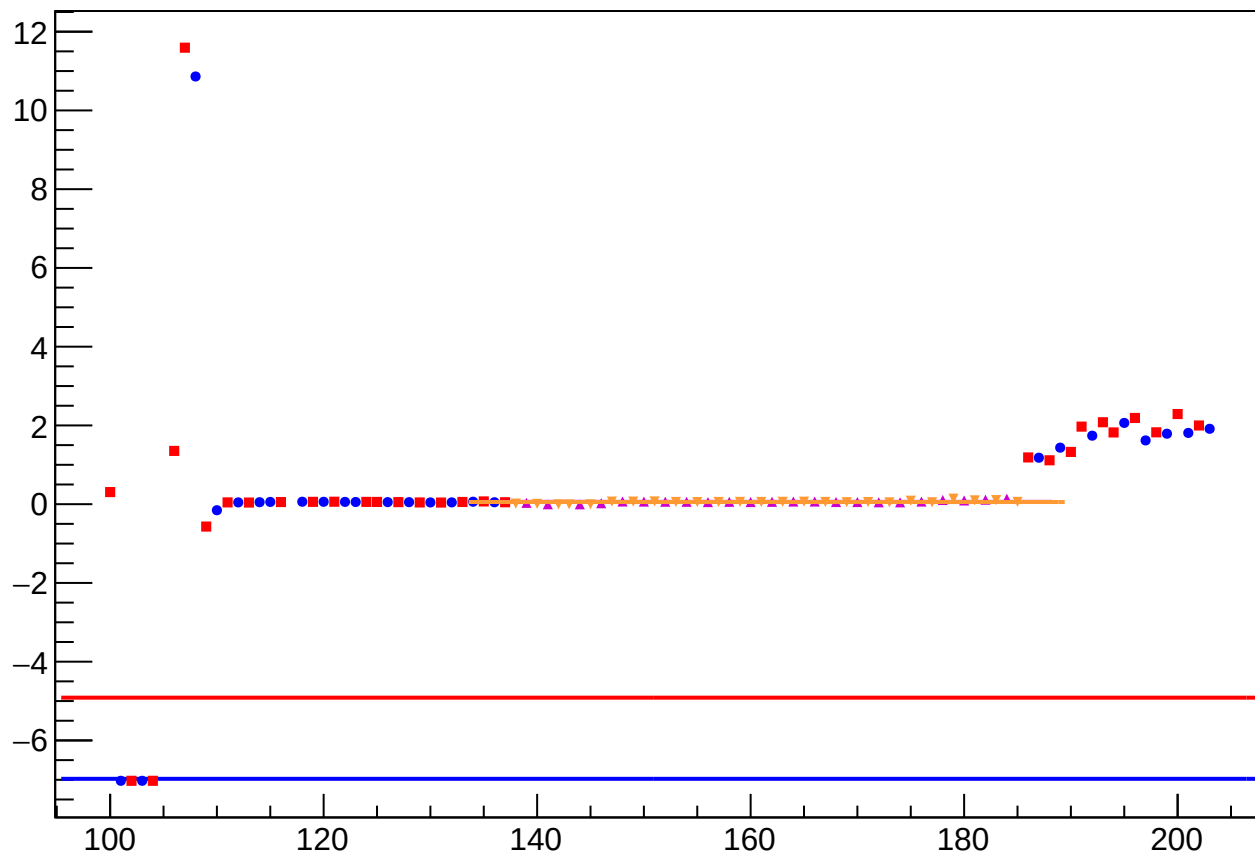
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 15612631.6/49

All: 0.001+/-0.000 χ^2/NDF : 33150659.9/101

- sign 0.001+/-0.000 χ^2/NDF : 17536001.0/51

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762635676721.8/24

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348667981216.5/28

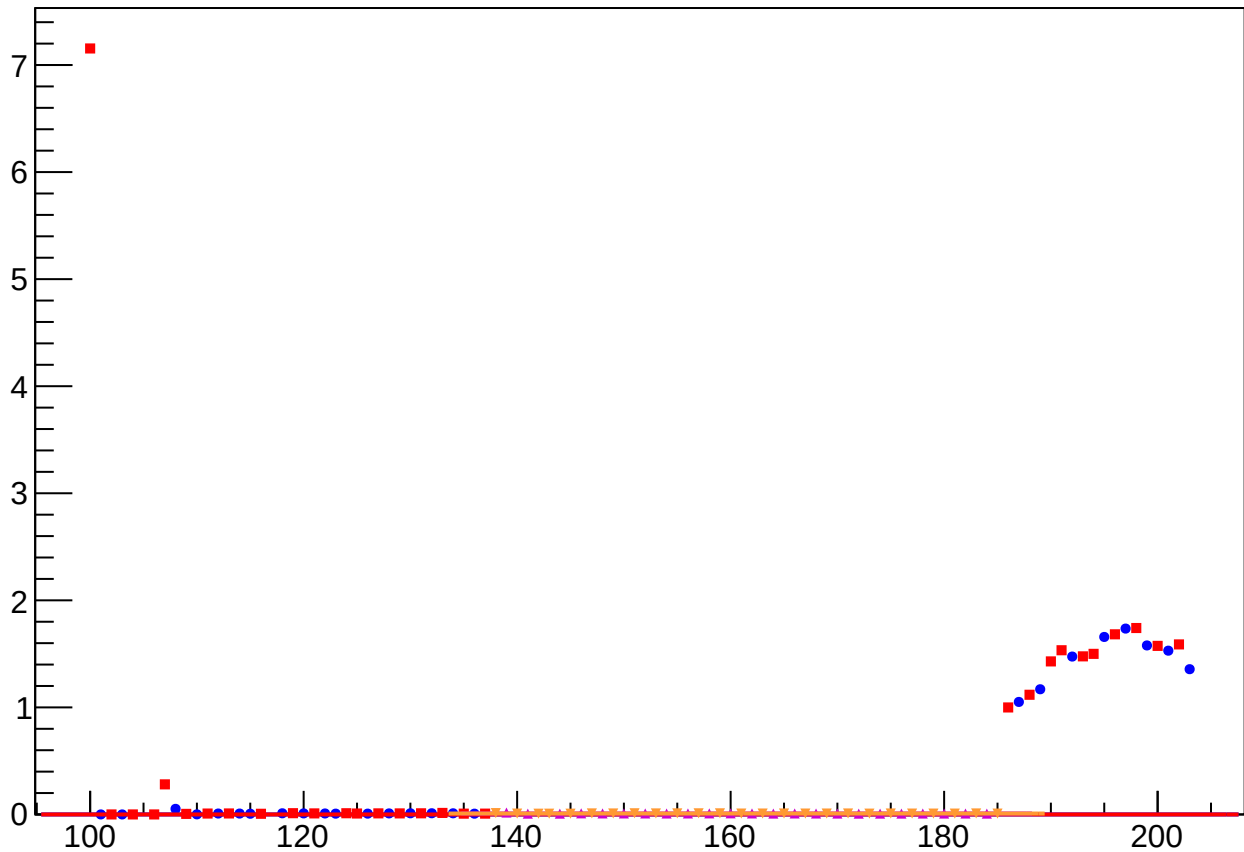
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417624116174.1/24

All: -5.858 ± 0.000 χ^2/NDF : 4435814754092.1/24

- sign -4.882 ± 0.000 χ^2/NDF : 369770958807864.1/24

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18932222.9/24

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21182461.2/28

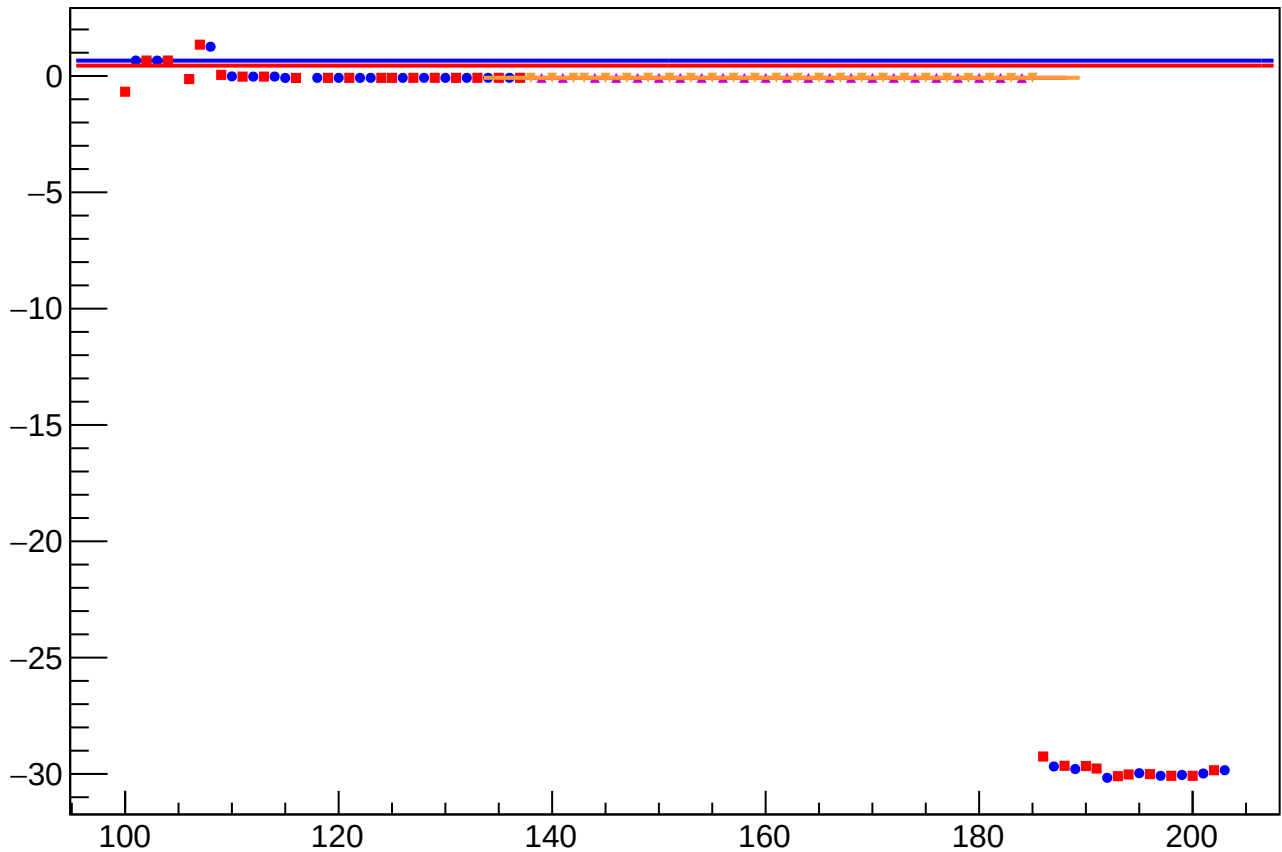
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 47919381.9/49

All: 0.000+/-0.000 χ^2/NDF : 96780000.4/101

- sign 0.000+/-0.000 χ^2/NDF : 48856156.5/51

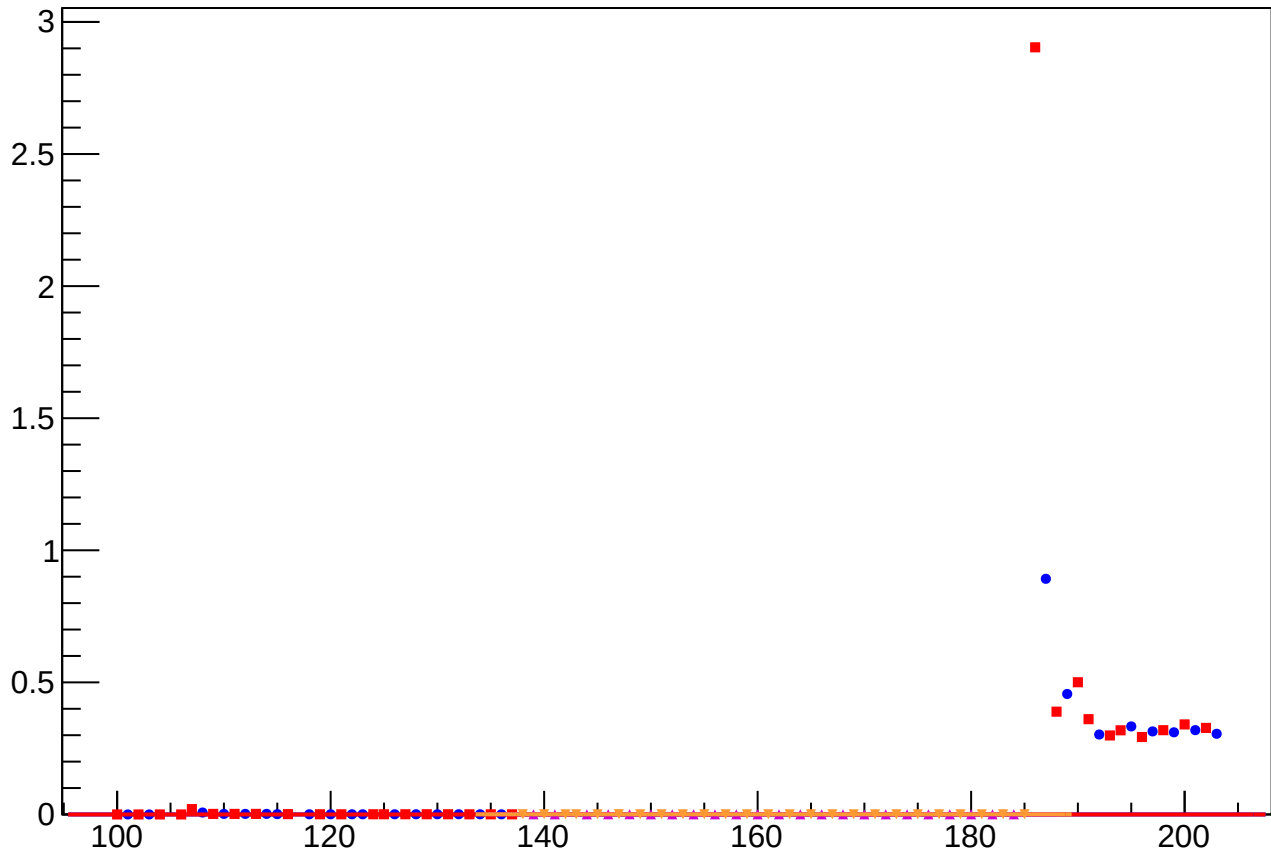
yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5632486329600.8/24
 Left Out: -0.078+/-0.000 χ^2/NDF : 156525648.0/24
 Right Out: 0.446+/-0.000 χ^2/NDF : 405465470071843.5/28
 Left In: -0.077+/-0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 35799952759134.6/4
 All: 0.537+/-0.000 χ^2/NDF : 51607713277620
 - sign 0.437+/-0.000 χ^2/NDF : 419696992471582.6/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 20398240.3/24

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21693020.4/28

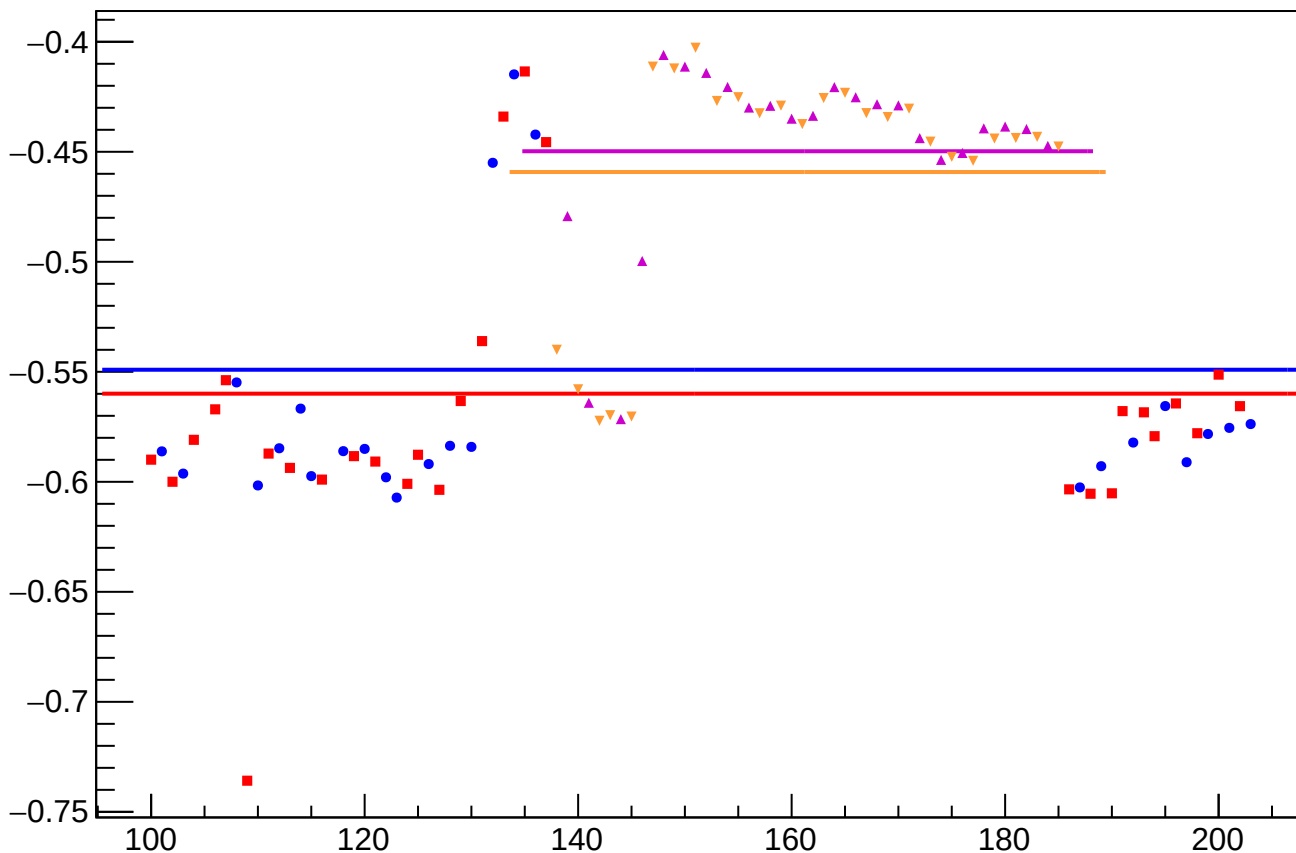
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 53047168.8/49

All: 0.000+/-0.000 χ^2/NDF : 105783876.4/101

- sign 0.000+/-0.000 χ^2/NDF : 52729558.8/51

yield_bpm4aX_mean vs Slug



Right In: -0.549 ± 0.000 $\chi^2/\text{NDF}: 47812829.1/24$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113808762.6/24$

Right Out: -0.560 ± 0.000 $\chi^2/\text{NDF}: 65300169.5/28$

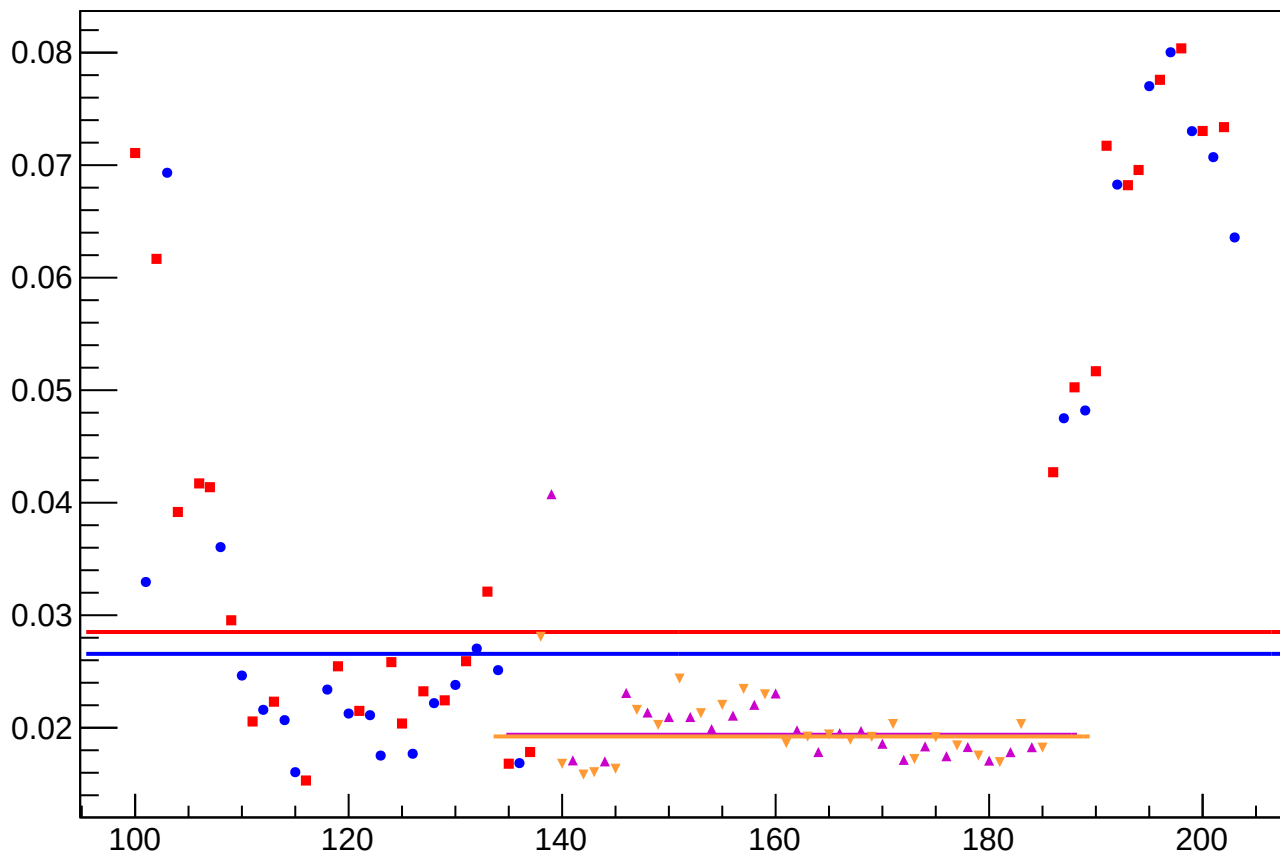
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76151485.7/22$

+ sign -0.479 ± 0.000 $\chi^2/\text{NDF}: 234138841.2/49$

All: -0.477 ± 0.000 $\chi^2/\text{NDF}: 481665240.3/10$

- sign -0.475 ± 0.000 $\chi^2/\text{NDF}: 247154984.4/51$

yield_bpm4aX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 5416075.3/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:501253.7/24

Right Out: 0.029 $\pm$ 0.000 χ^2 /NDF: 5731057.0/28

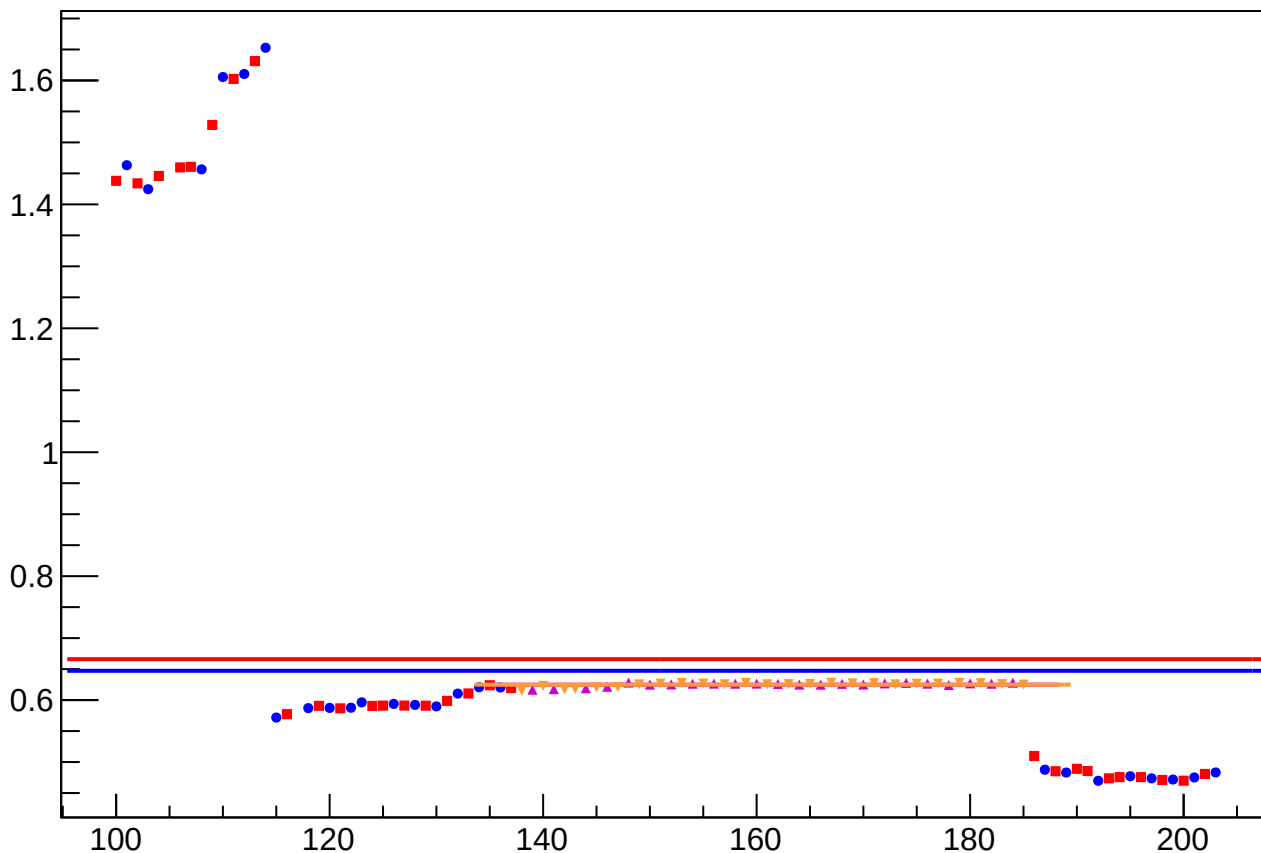
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:656155.9/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 6885310.9/49

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 14745267.6/101

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 7839447.3/51

yield_bpm4aY_mean vs Slug



Right In: 0.647+/-0.000 χ^2/NDF : 4842980443.9/24

Left Out: 0.625+/-0.000 χ^2/NDF : 1442225.6/24

Right Out: 0.666+/-0.000 χ^2/NDF : 5830718144.2/28

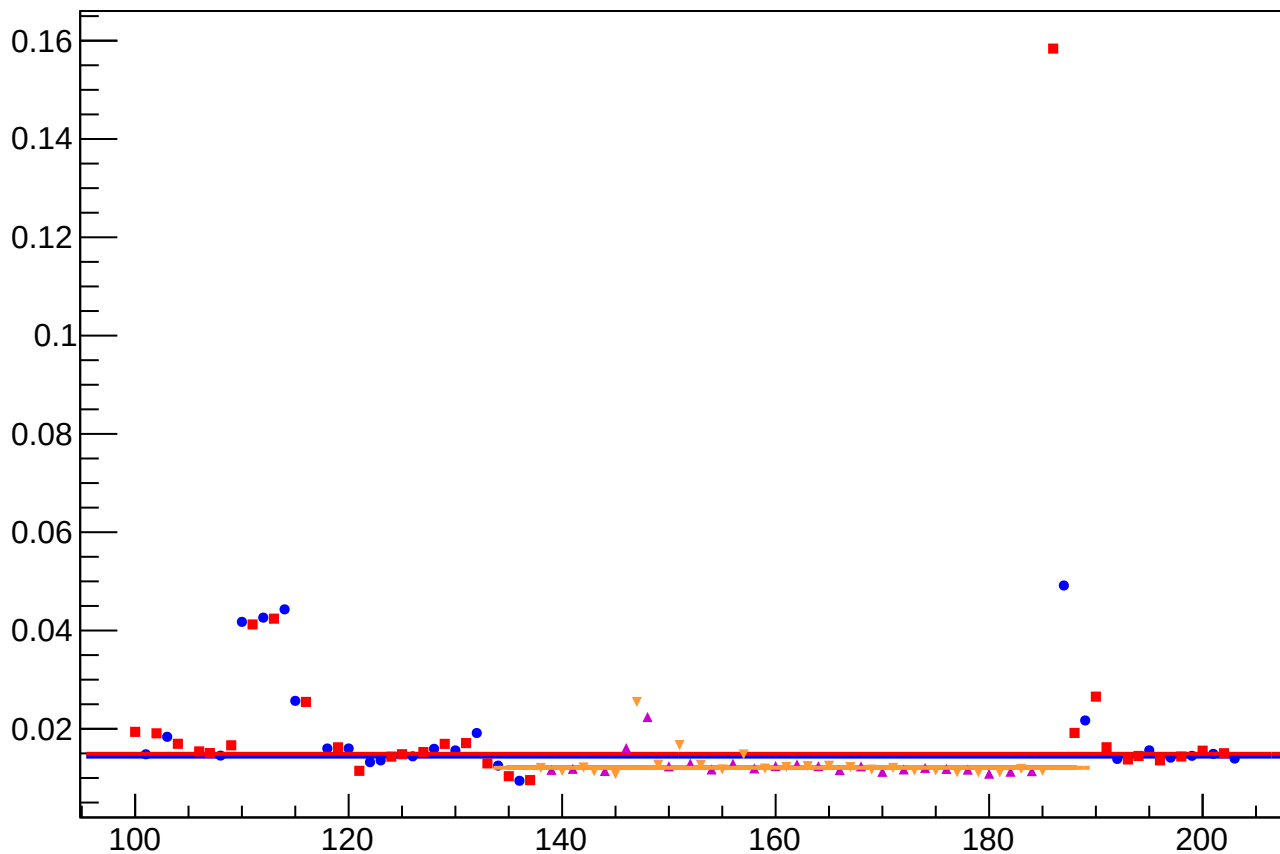
Left In: 0.625+/-0.000 χ^2/NDF : 1135039.4/22

+ sign 0.632+/-0.000 χ^2/NDF : 4862687621.4/49

All: 0.635+/-0.000 χ^2/NDF : 10758798430.0/101

- sign 0.638+/-0.000 χ^2/NDF : 5892877483.7/51

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1643105.6/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2072092.0/28

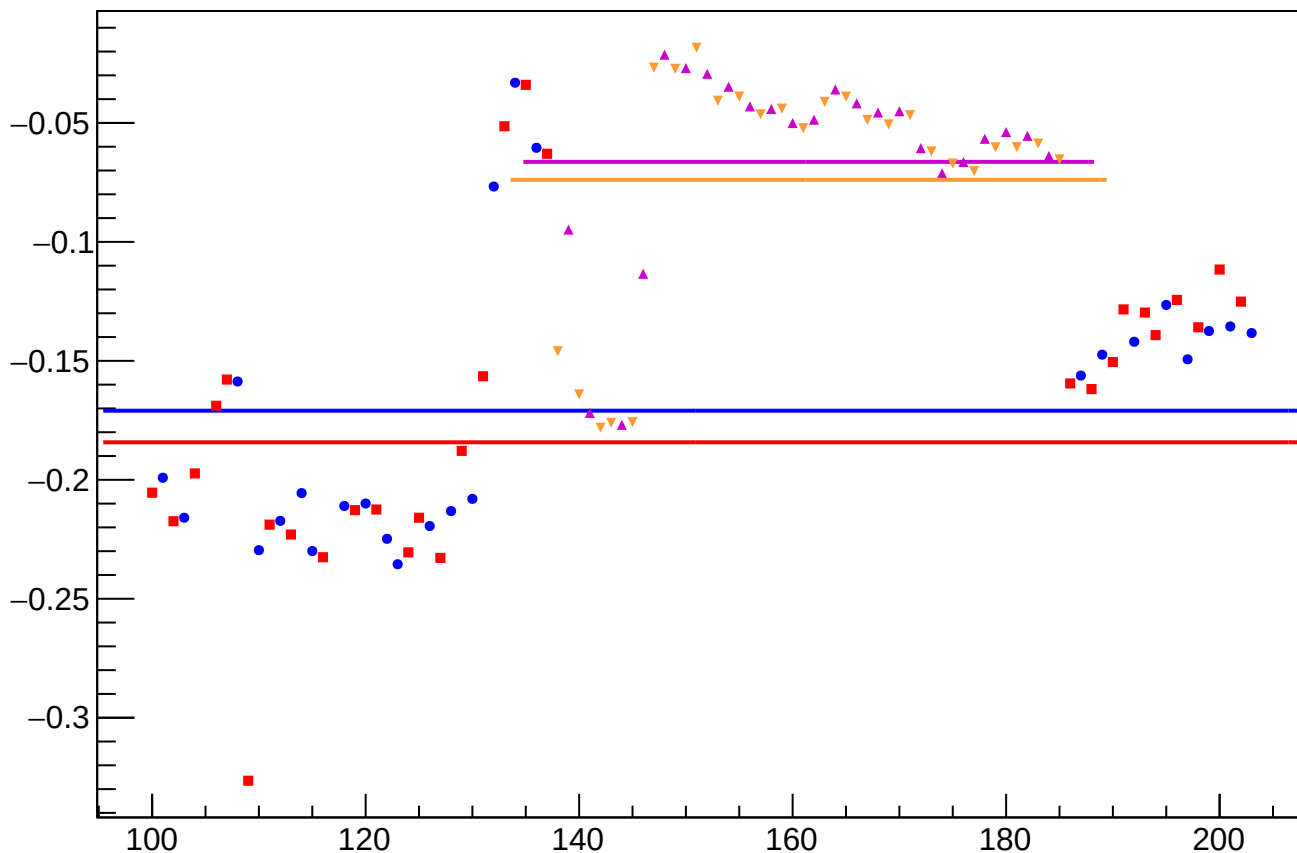
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2676972.8/49

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5804459.5/101

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3116424.8/51

yield_bpm4eX_mean vs Slug



Right In: -0.171 ± 0.000 χ^2/NDF : 68172301.1/24

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.184 ± 0.000 χ^2/NDF : 85178085.2/28

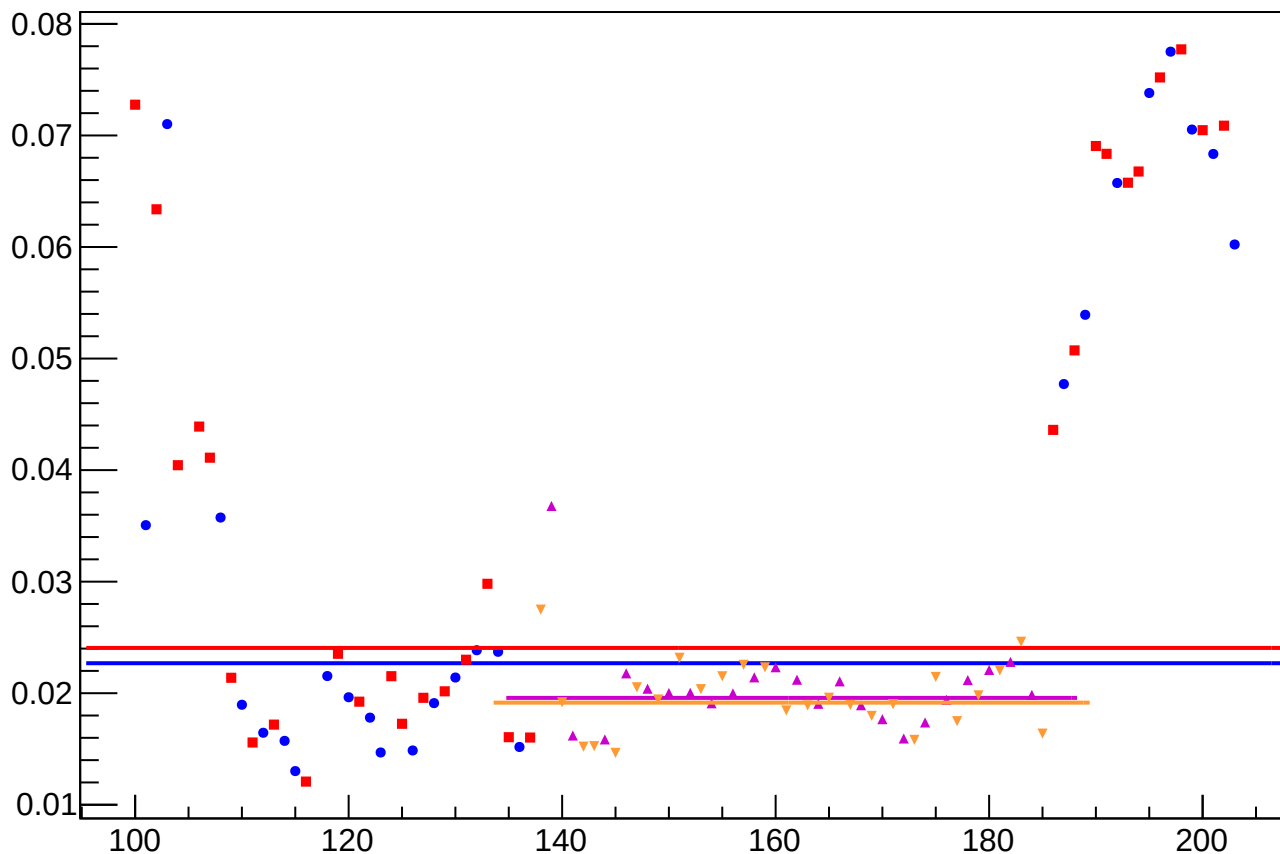
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.100 ± 0.000 χ^2/NDF : 279864871.5/49

All: -0.100 ± 0.000 χ^2/NDF : 589565243.9/10

- sign -0.100 ± 0.000 χ^2/NDF : 309700264.8/51

yield_bpm4eX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 6289071.5/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641027.3/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 6955635.3/28

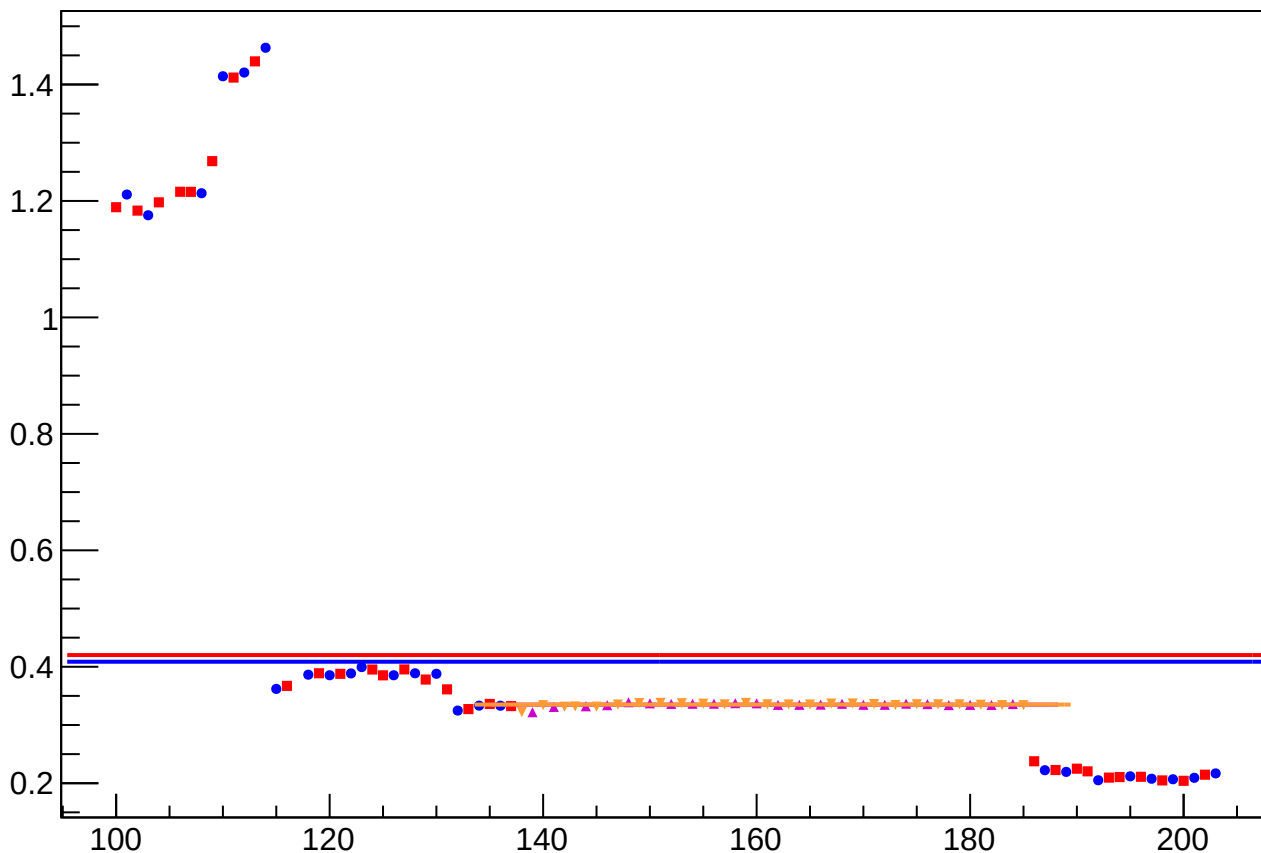
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651328.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 7205398.3/49

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 15271411.2/101

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8035005.7/51

yield_bpm4eY_mean vs Slug



Right In: 0.409 $\pm$ 0.000 χ^2 /NDF: 7151950786.5/24

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1153956.7/24

Right Out: 0.420 $\pm$ 0.000 χ^2 /NDF: 8221547899.1/28

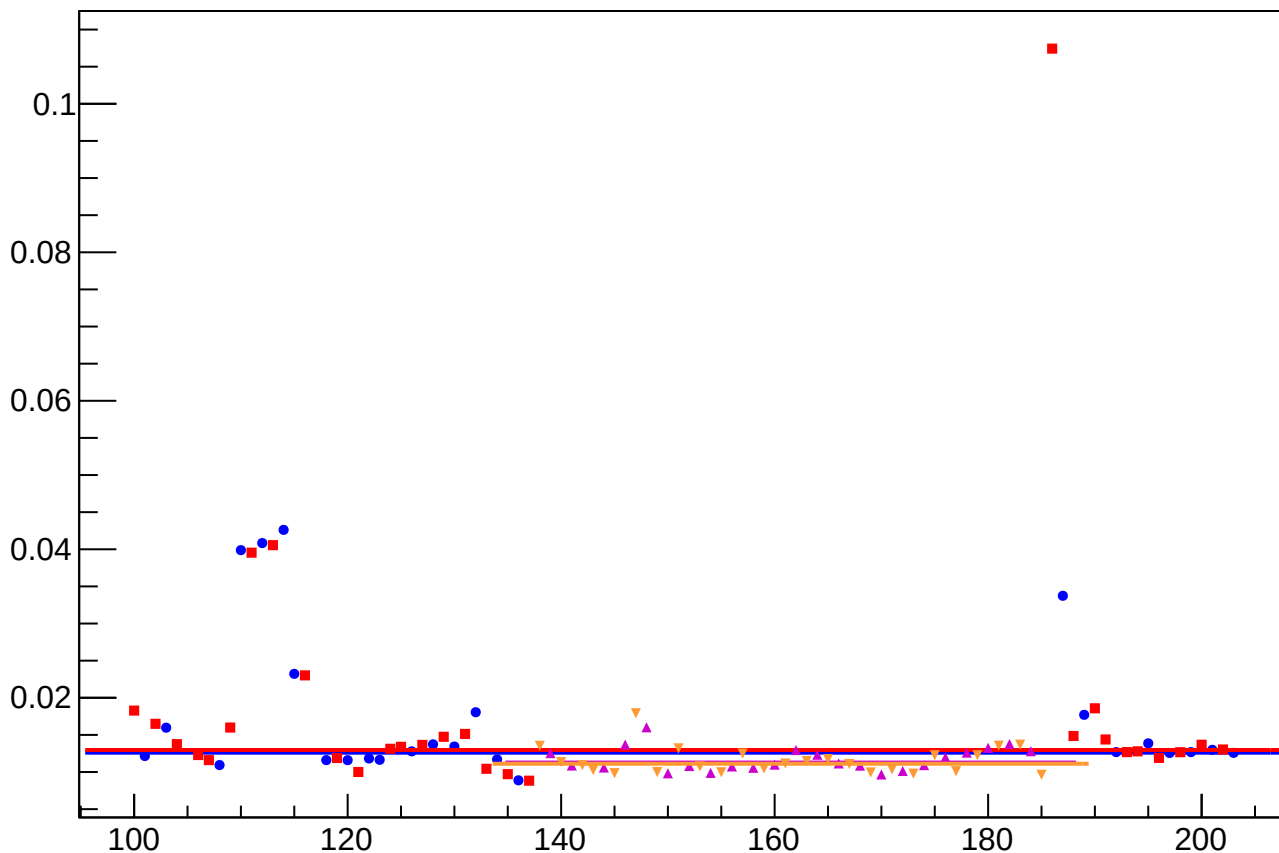
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198302.8/22

+ sign 0.359 $\pm$ 0.000 χ^2 /NDF: 7401341663.2/49

All: 0.362 $\pm$ 0.000 χ^2 /NDF: 15955564030.0/100

- sign 0.364 $\pm$ 0.000 χ^2 /NDF: 8551022798.9/51

yield_bpm4eY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1510264.5/24

Left Out: 0.011 ± 0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 1933347.1/28

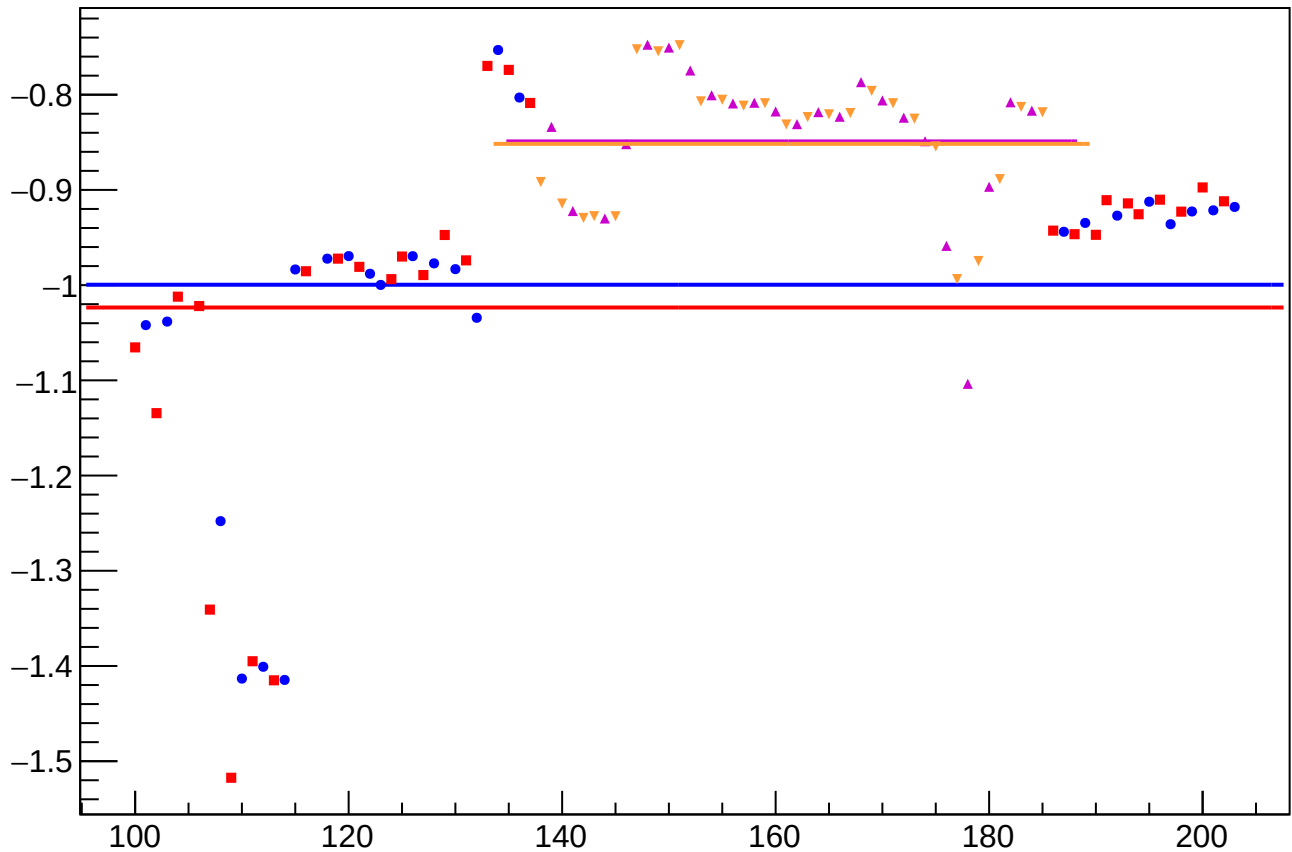
Left In: 0.011 ± 0.000 χ^2/NDF : 502226.7/22

+ sign 0.012 ± 0.000 χ^2/NDF : 2321879.3/49

All: 0.012 ± 0.000 χ^2/NDF : 5031568.0/101

- sign 0.012 ± 0.000 χ^2/NDF : 2695533.5/51

yield_bpm4acX_mean vs Slug



Right In: -1.000+/-0.000 χ^2/NDF : 400796473.5/24

Left Out: -0.852+/-0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.024+/-0.000 χ^2/NDF : 552137128.0/28

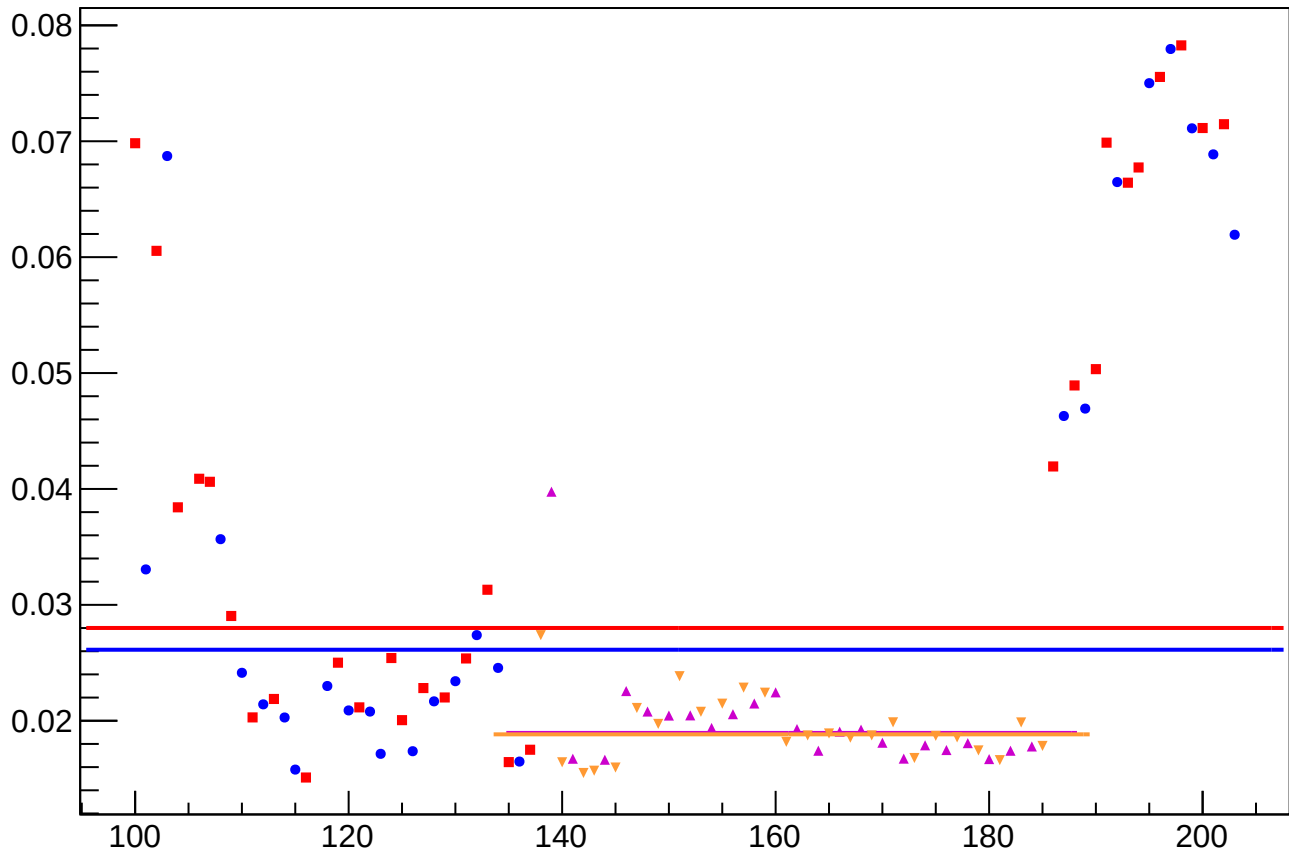
Left In: -0.849+/-0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884+/-0.000 χ^2/NDF : 793908669.1/49

All: -0.887+/-0.000 χ^2/NDF : 1878577065.6/1

- sign -0.889+/-0.000 χ^2/NDF : 1084037292.3/51

yield_bpm4acX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 5395274.5/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490084.5/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 5680671.7/28

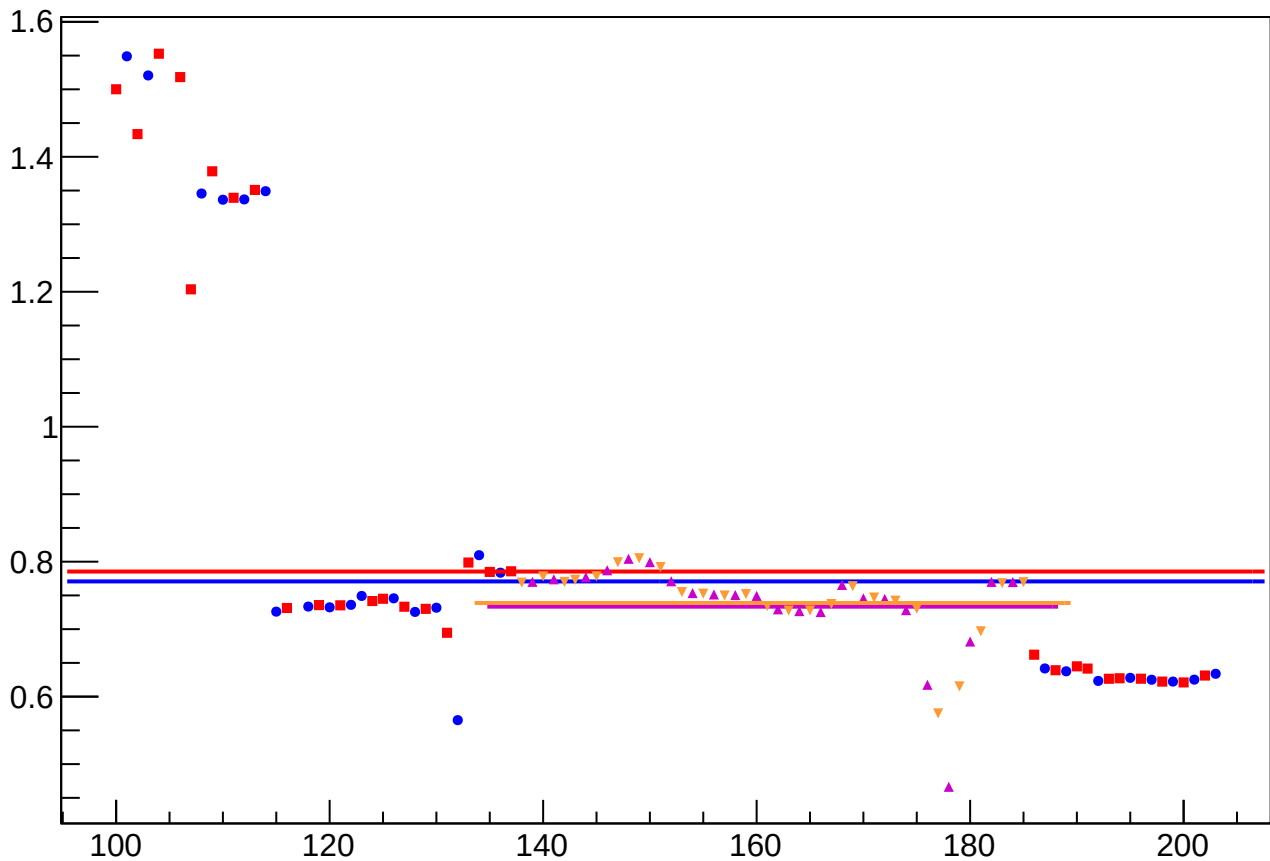
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 6877793.6/49

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 14706678.8/101

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7810325.0/51

yield_bpm4acY_mean vs Slug



Right In: 0.771 ± 0.000 $\chi^2/\text{NDF}: 3315716894.6/24$

Left Out: 0.739 ± 0.000 $\chi^2/\text{NDF}: 333086309.0/24$

Right Out: 0.785 ± 0.000 $\chi^2/\text{NDF}: 3608459995.8/28$

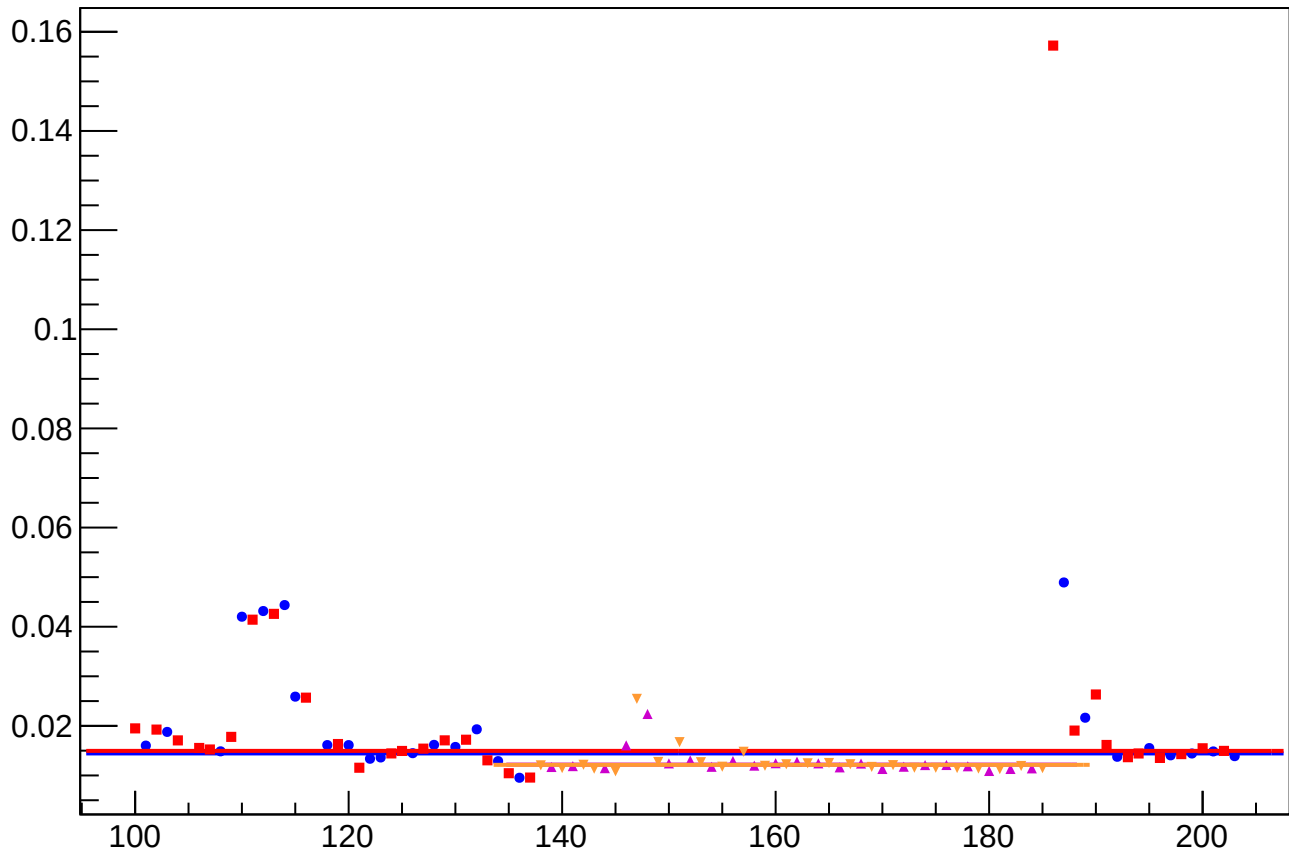
Left In: 0.733 ± 0.000 $\chi^2/\text{NDF}: 570264411.7/22$

+ sign 0.748 ± 0.000 $\chi^2/\text{NDF}: 3685444840.7/49$

All: 0.749 ± 0.000 $\chi^2/\text{NDF}: 7960963073.4/10$

- sign 0.750 ± 0.000 $\chi^2/\text{NDF}: 4275366135.8/51$

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1644508.7/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2075706.5/28

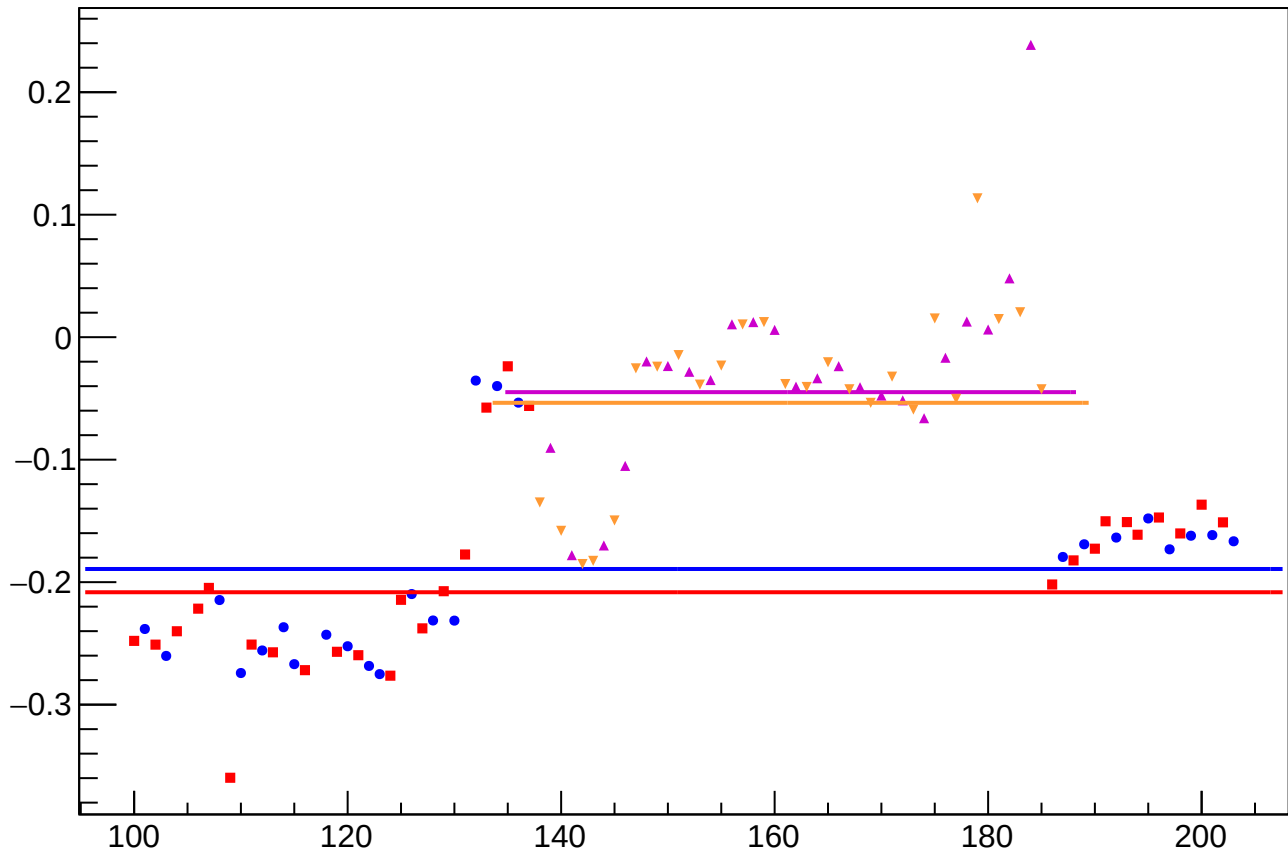
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2662427.5/49

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5774790.8/101

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3103344.9/51

yield_bpm4ecX_mean vs Slug



Right In: -0.189 ± 0.000 χ^2/NDF : 106843158.1/24

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.208 ± 0.000 χ^2/NDF : 113276194.6/28

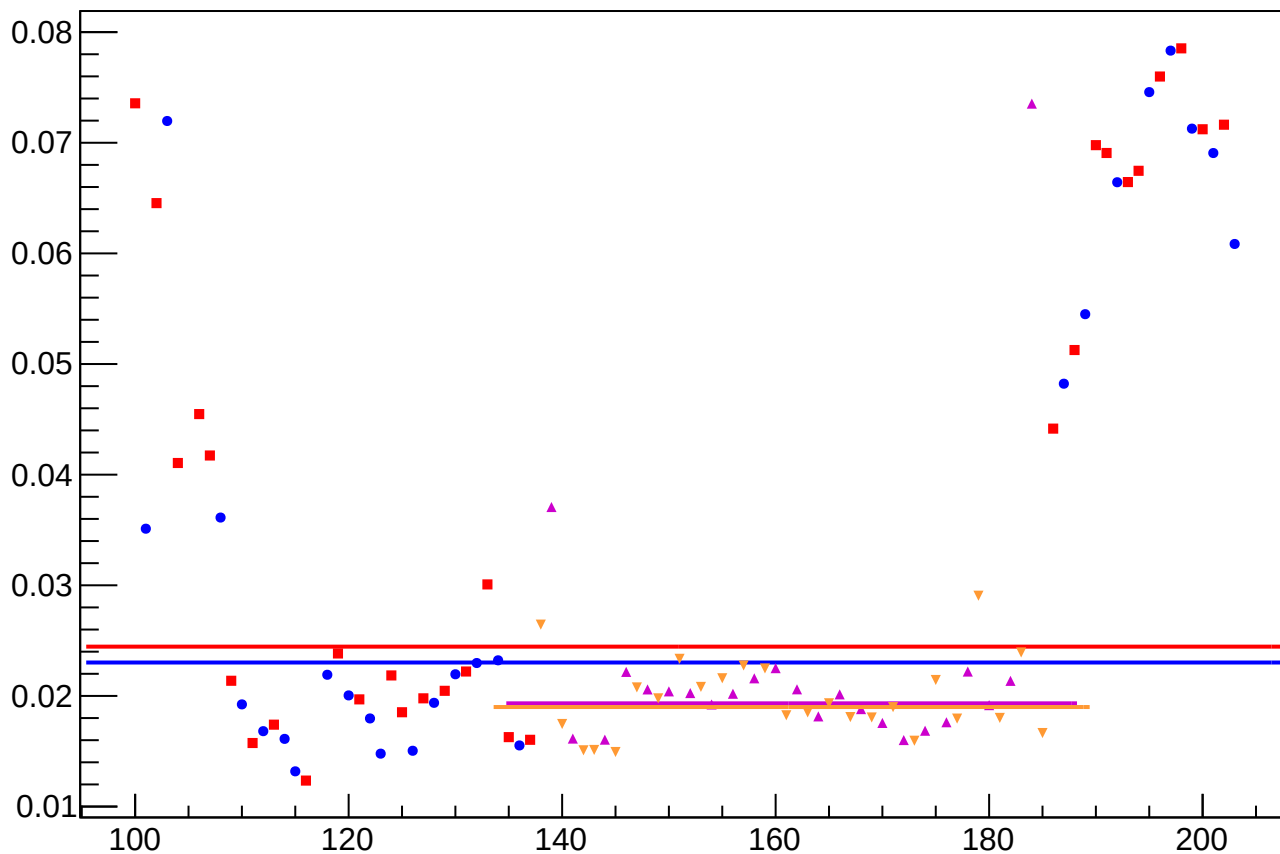
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.090 ± 0.000 χ^2/NDF : 472890724.7/49

All: -0.090 ± 0.000 χ^2/NDF : 991536127.7/10

- sign -0.090 ± 0.000 χ^2/NDF : 518623523.2/51

yield_bpm4ecX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 6241773.4/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 699267.5/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 6916411.8/28

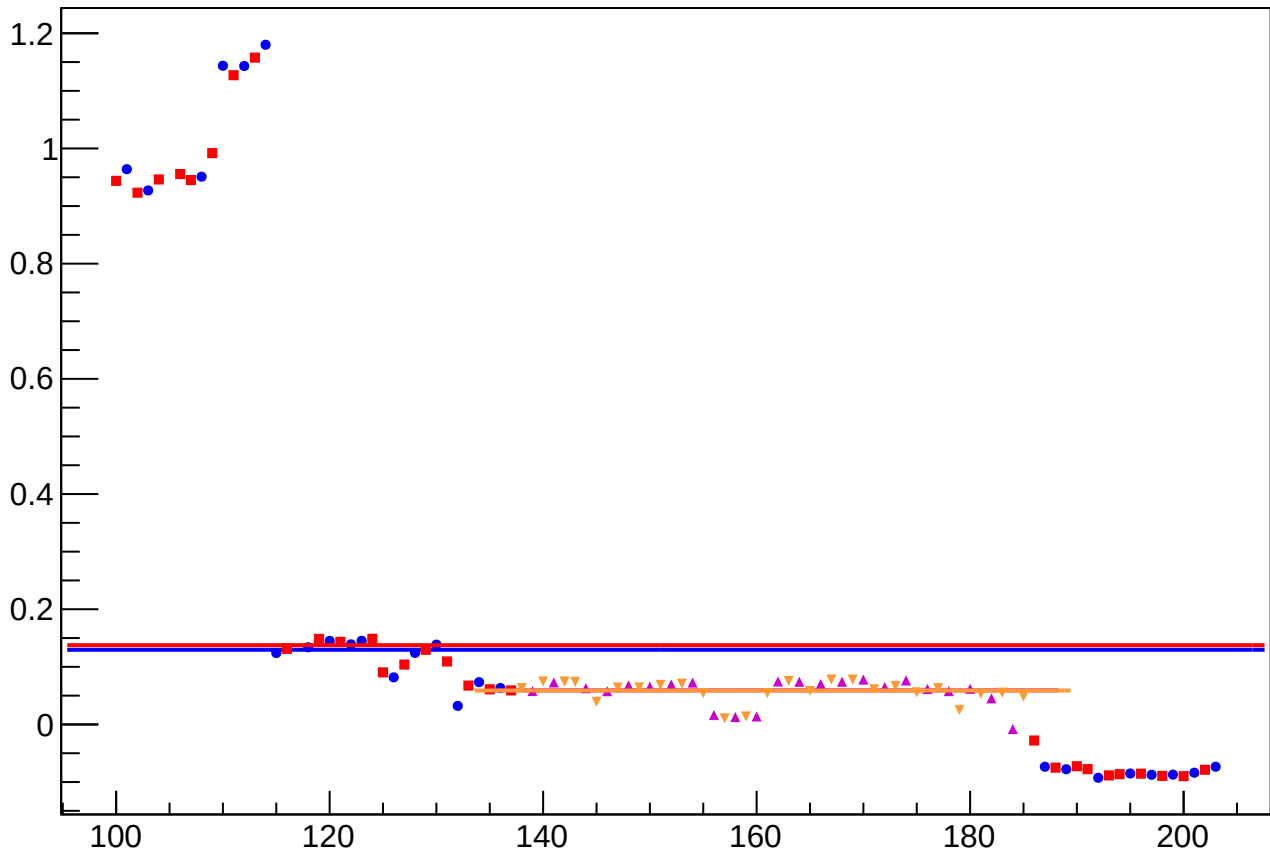
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 892810.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 7289698.5/49

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 15672192.4/101

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8356542.1/51

yield_bpm4ecY_mean vs Slug



Right In: 0.130 $\pm$ 0.000 χ^2 /NDF: 7695201125.7/24

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.138 $\pm$ 0.000 χ^2 /NDF: 8644569229.2/28

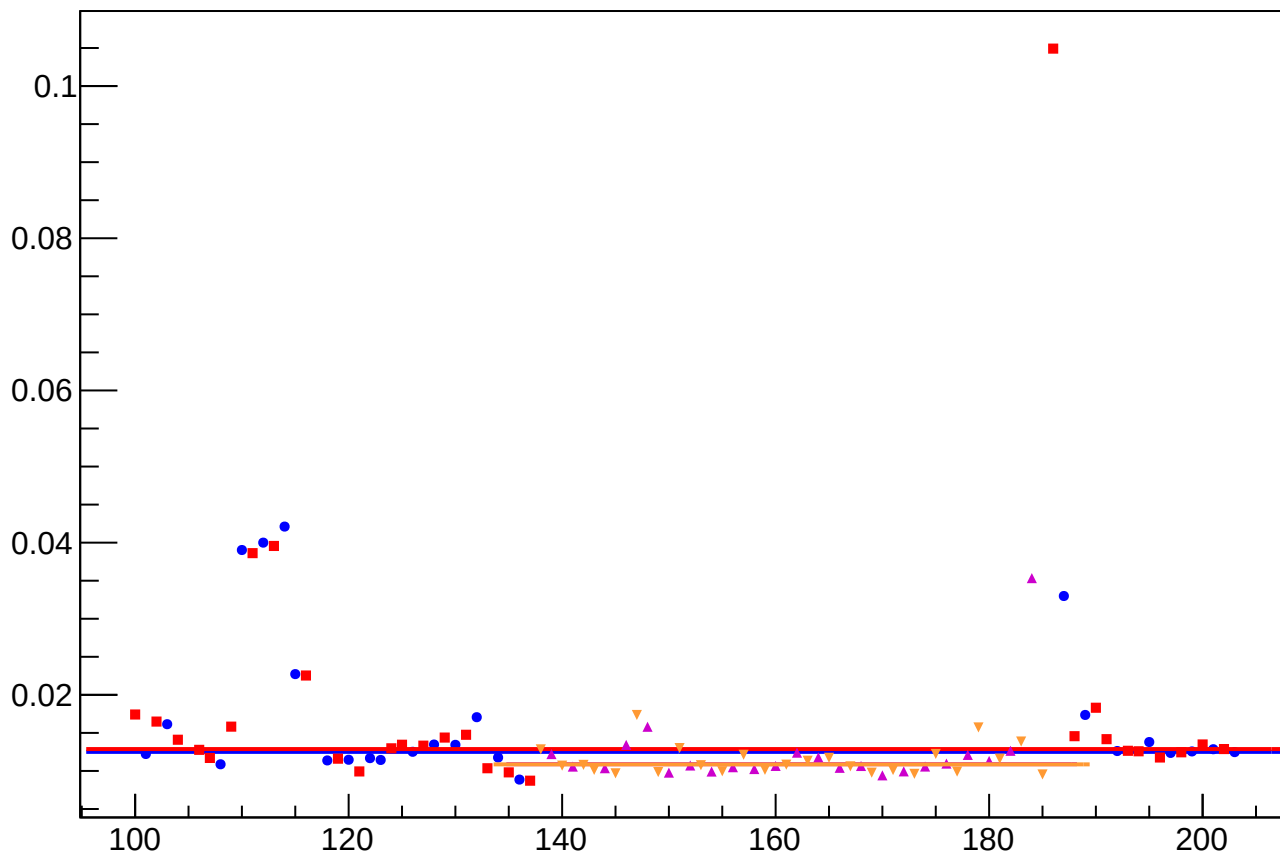
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.082 $\pm$ 0.000 χ^2 /NDF: 7975635149.1/49

All: 0.084 $\pm$ 0.000 χ^2 /NDF: 16966649125.5/1

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 8989296275.0/51

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1477135.4/24

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1891135.1/28

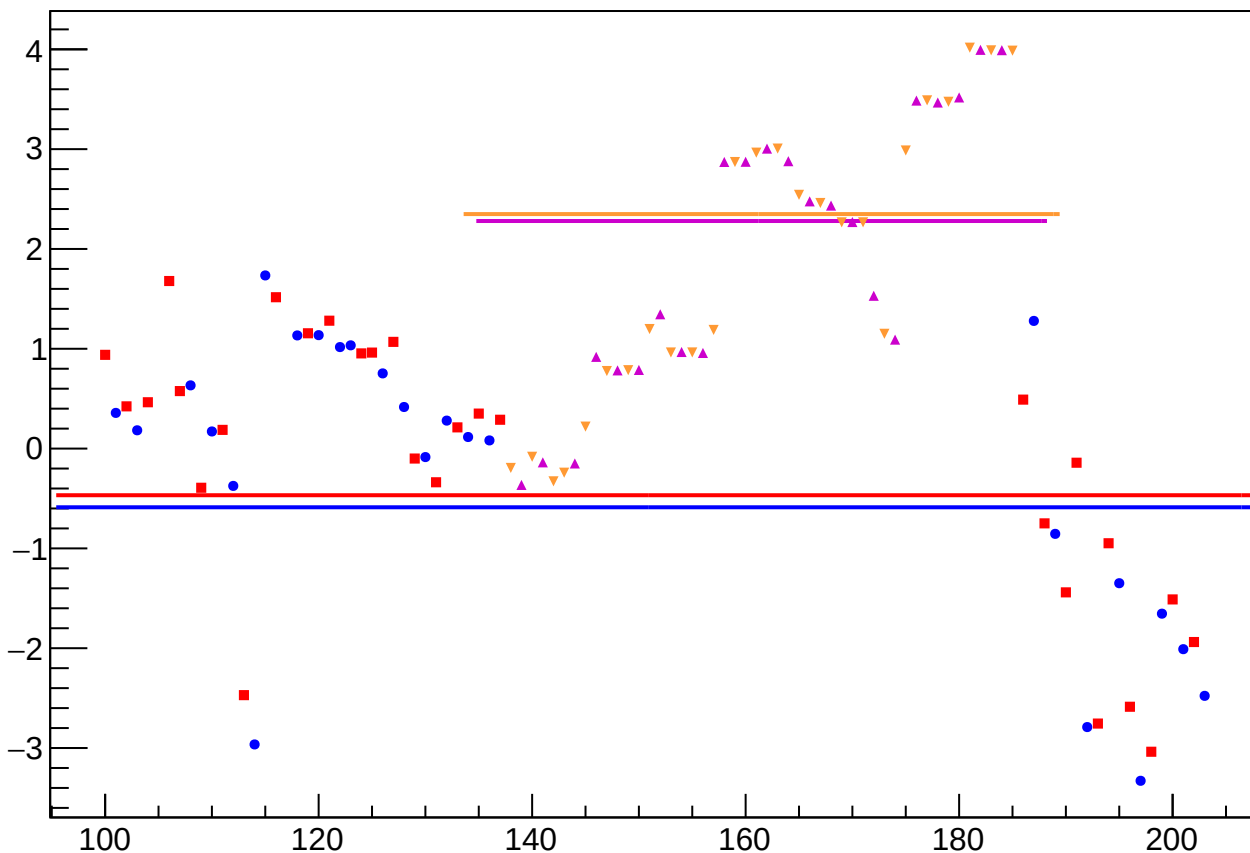
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:529867.3/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2334142.6/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5126800.0/101

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2786606.4/51

yield_bpm1X_mean vs Slug



Right In: -0.588 ± 0.000 $\chi^2/\text{NDF}: 5572300161.9/24$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.467 ± 0.000 $\chi^2/\text{NDF}: 5769032231.2/28$

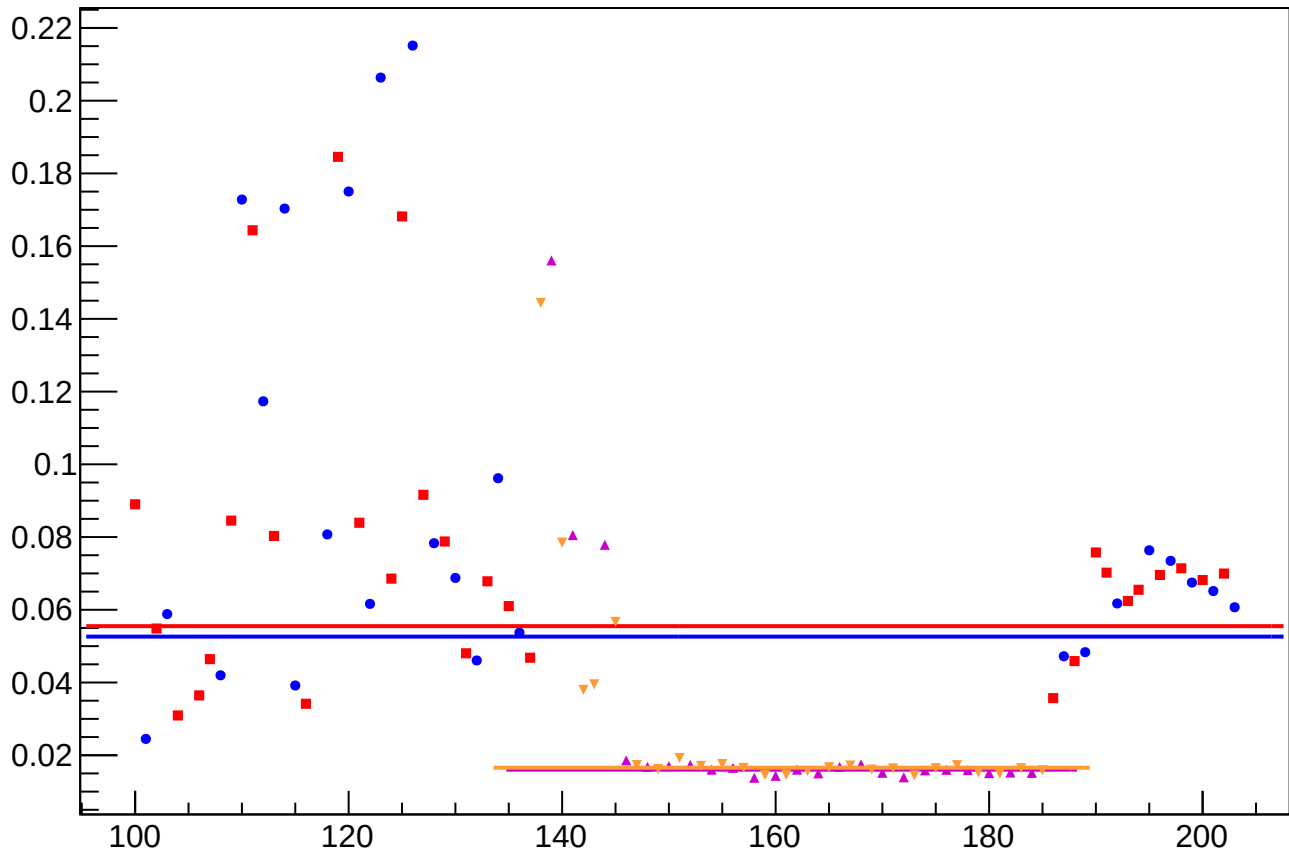
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.186 ± 0.000 $\chi^2/\text{NDF}: 93754700051.7/49$

All: 2.154 ± 0.000 $\chi^2/\text{NDF}: 183739131363.6$

- sign 2.122 ± 0.000 $\chi^2/\text{NDF}: 89873438002.0/51$

yield_bpm1X_rms vs Slug



Right In: 0.053 $\pm$ 0.000 χ^2 /NDF: 3458900.5/24

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2836329.3/28

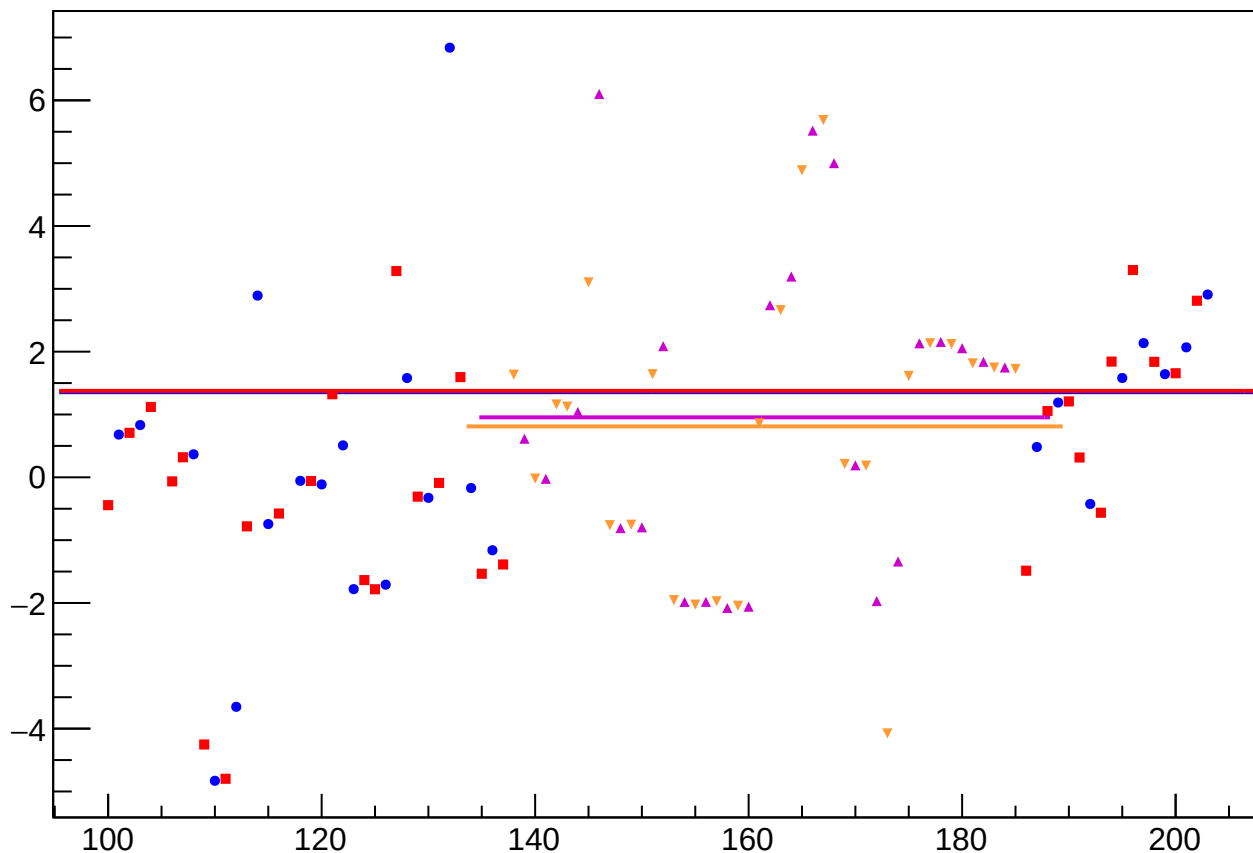
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 13485936.9/49

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 28143393.1/101

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 14653016.3/51

yield_bpm1Y_mean vs Slug



Right In: 1.355+/-0.000 χ^2/NDF : 26255500102.2/24

Left Out: 0.810+/-0.000 χ^2/NDF : 507583198570.2/24

Right Out: 1.375+/-0.000 χ^2/NDF : 26310648476.0/28

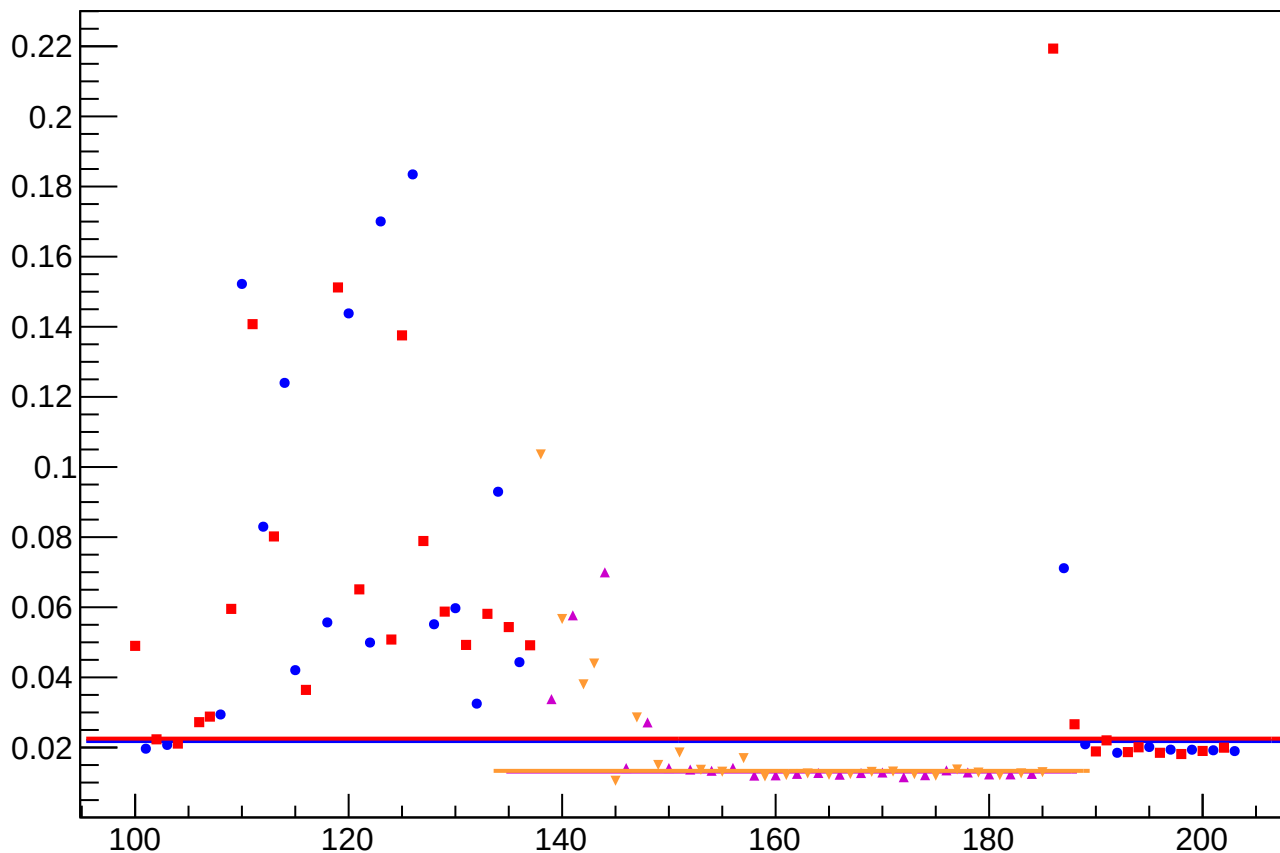
Left In: 0.954+/-0.000 χ^2/NDF : 574792794608.3/22

+ sign 0.898+/-0.000 χ^2/NDF : 537889591712.8/49

All: 0.961+/-0.000 χ^2/NDF : 1142287227320.

- sign 1.023+/-0.000 χ^2/NDF : 603593528569.5/51

yield_bpm1Y_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 3705923.9/24

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4774320.4/28

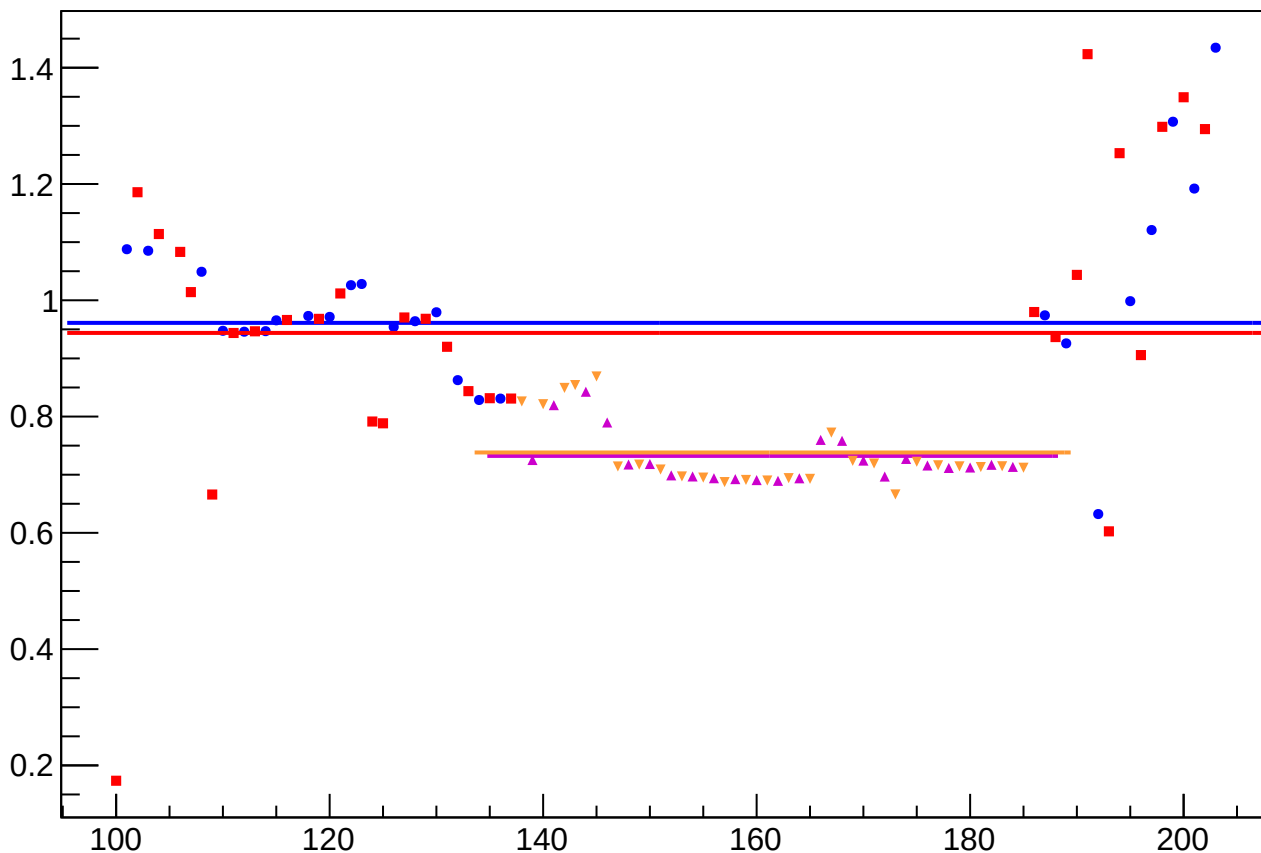
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8503375.6/49

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 17724796.8/101

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9221348.4/51

yield_bpm11X_mean vs Slug



Right In: 0.961 $\pm$ 0.000 χ^2 /NDF: 566152926.3/24

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310610047.7/24

Right Out: 0.944 $\pm$ 0.000 χ^2 /NDF: 896343763.4/28

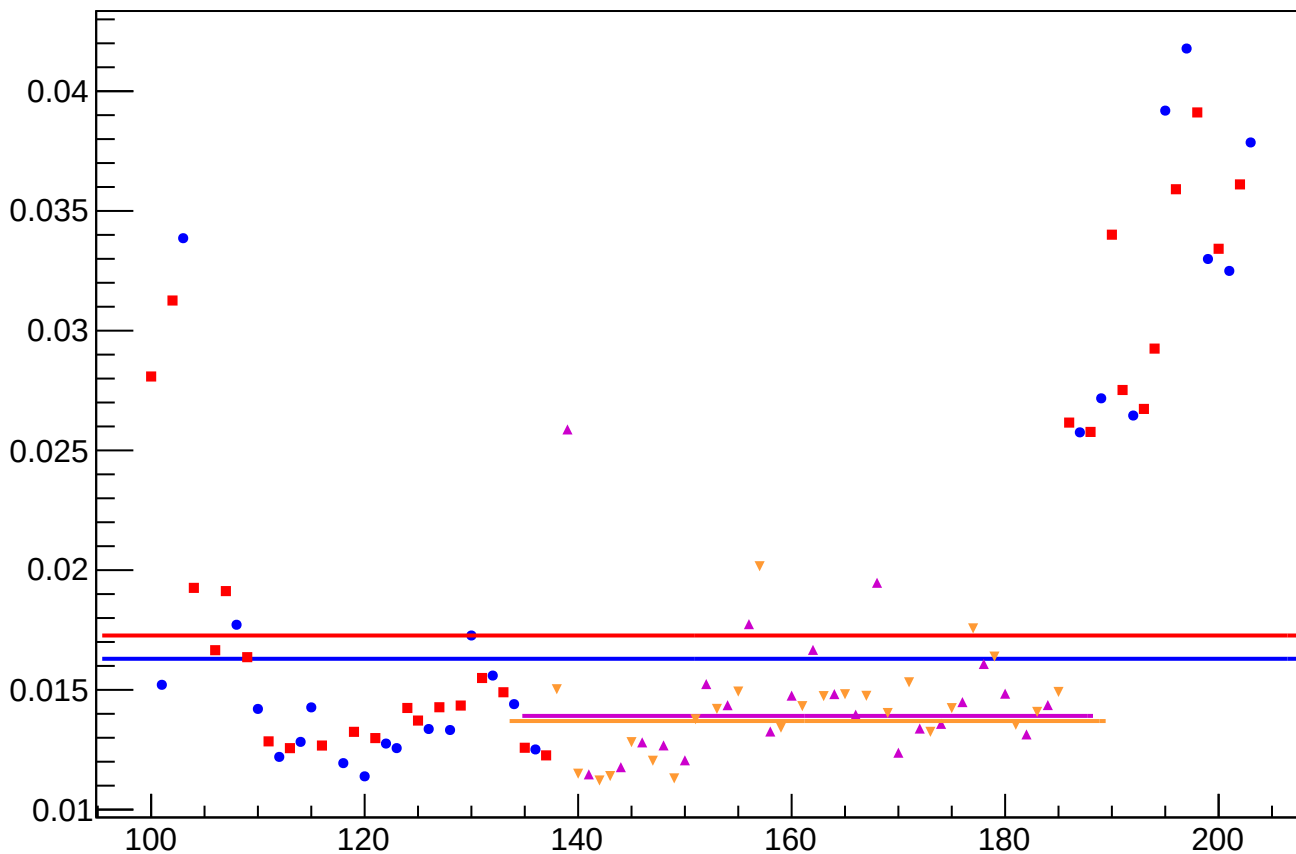
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

+ sign 0.803 $\pm$ 0.000 χ^2 /NDF: 2118847997.7/49

All: 0.800 $\pm$ 0.000 χ^2 /NDF: 4294283390.8/10

- sign 0.797 $\pm$ 0.000 χ^2 /NDF: 2173801508.2/51

yield_bpm11X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 3636196.2/24

Left Out: 0.014+/-0.000 χ^2/NDF : 530851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF : 3424799.8/28

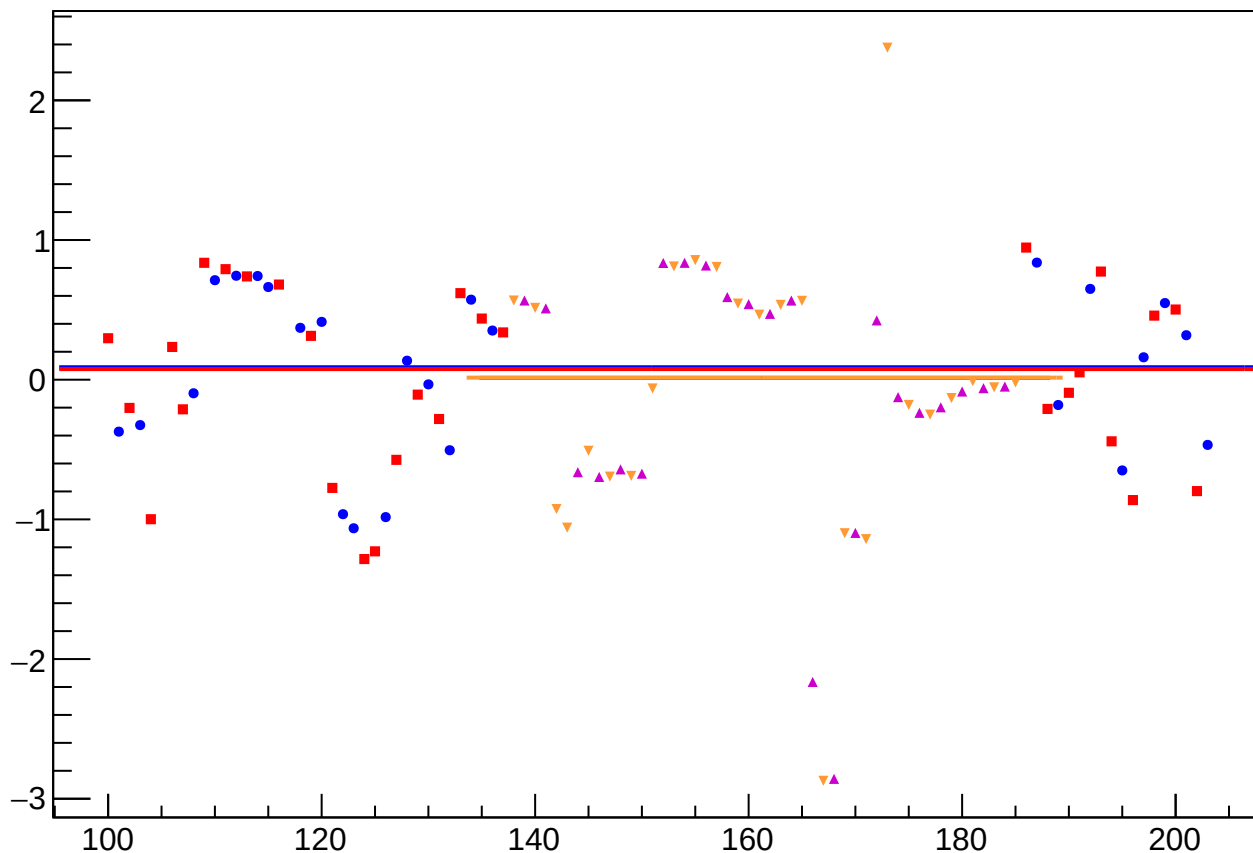
Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

+ sign 0.014+/-0.000 χ^2/NDF : 4504952.0/49

All: 0.015+/-0.000 χ^2/NDF : 9311175.1/101

- sign 0.015+/-0.000 χ^2/NDF : 4776947.0/51

yield_bpm11Y_mean vs Slug



Right In: 0.089+/-0.000 χ^2/NDF : 15748205179.4/24

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.076+/-0.000 χ^2/NDF : 26883211417.2/28

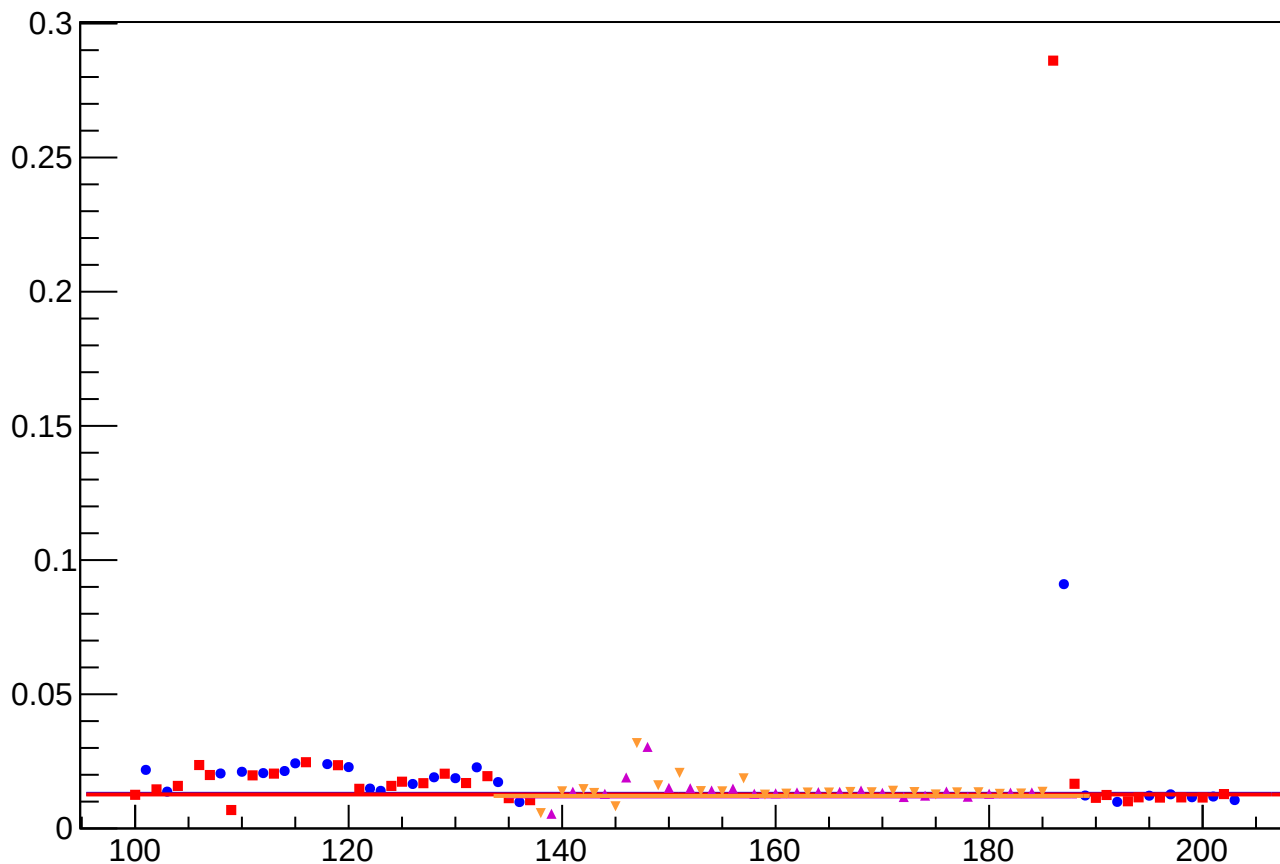
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.041+/-0.000 χ^2/NDF : 112053819146.6/49

All: 0.039+/-0.000 χ^2/NDF : 218548263454.7

- sign 0.038+/-0.000 χ^2/NDF : 106493147559.4/51

yield_bpm11Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1909272.9/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2518764.6/28

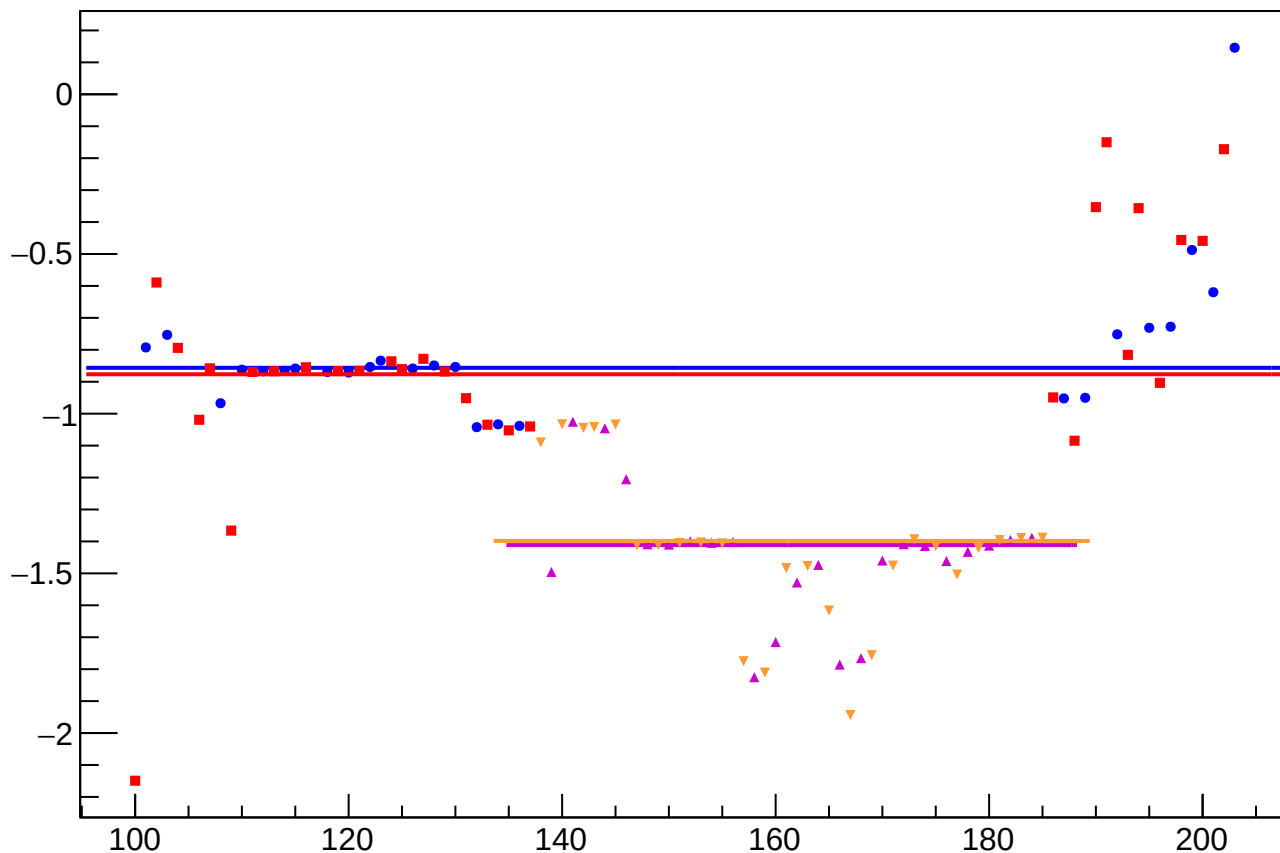
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5065166.5/49

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10741645.2/101

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5671040.4/51

yield_bpm12X_mean vs Slug



Right In: -0.856+/-0.000 χ^2/NDF : 168337313.6/24

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.877+/-0.000 χ^2/NDF : 316806006.7/28

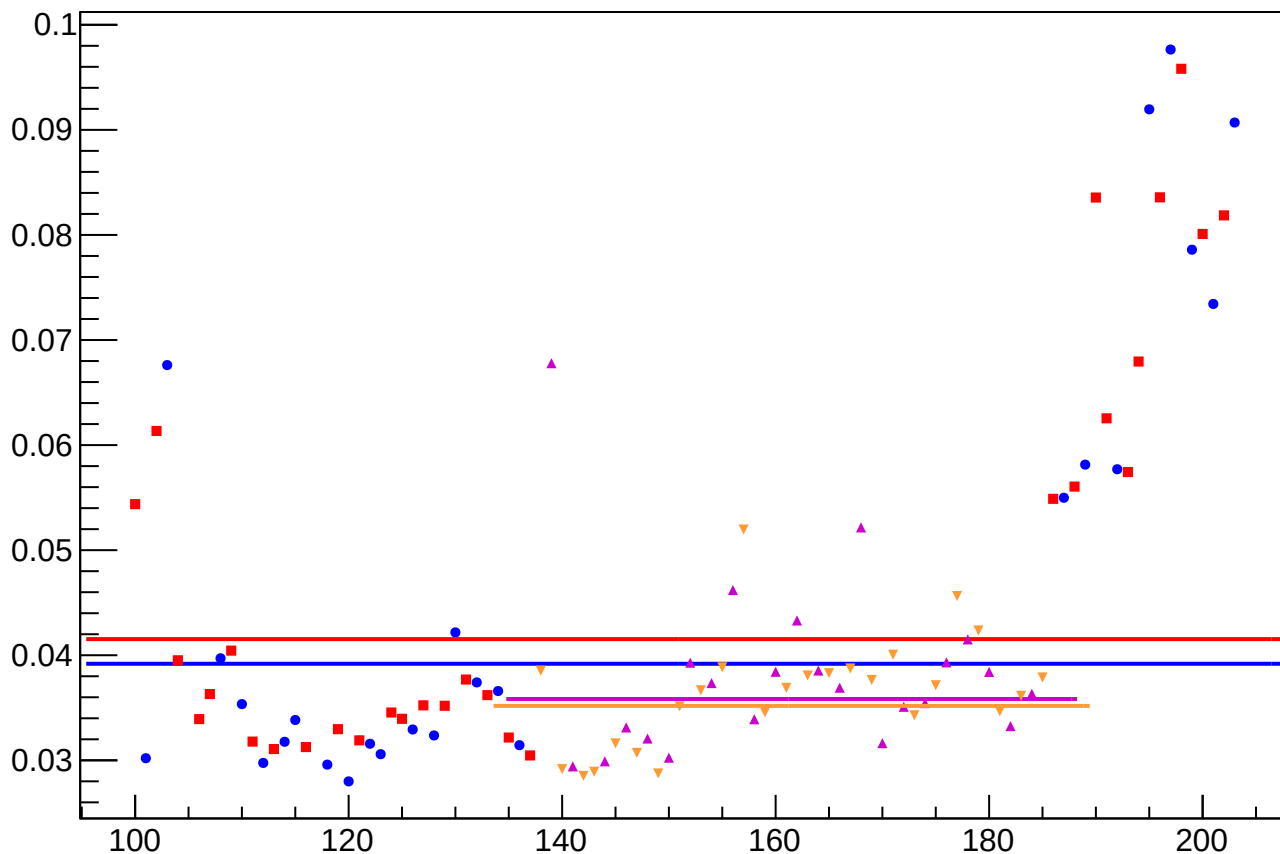
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.223+/-0.000 χ^2/NDF : 2137307055.1/49

All: -1.225+/-0.000 χ^2/NDF : 4148601912.1/1

- sign -1.227+/-0.000 χ^2/NDF : 2011147589.5/51

yield_bpm12X_rms vs Slug



Right In: 0.039 ± 0.000 χ^2/NDF : 3273015.5/24

Left Out: 0.035 ± 0.000 χ^2/NDF : 597886.0/24

Right Out: 0.042 ± 0.000 χ^2/NDF : 2906877.9/28

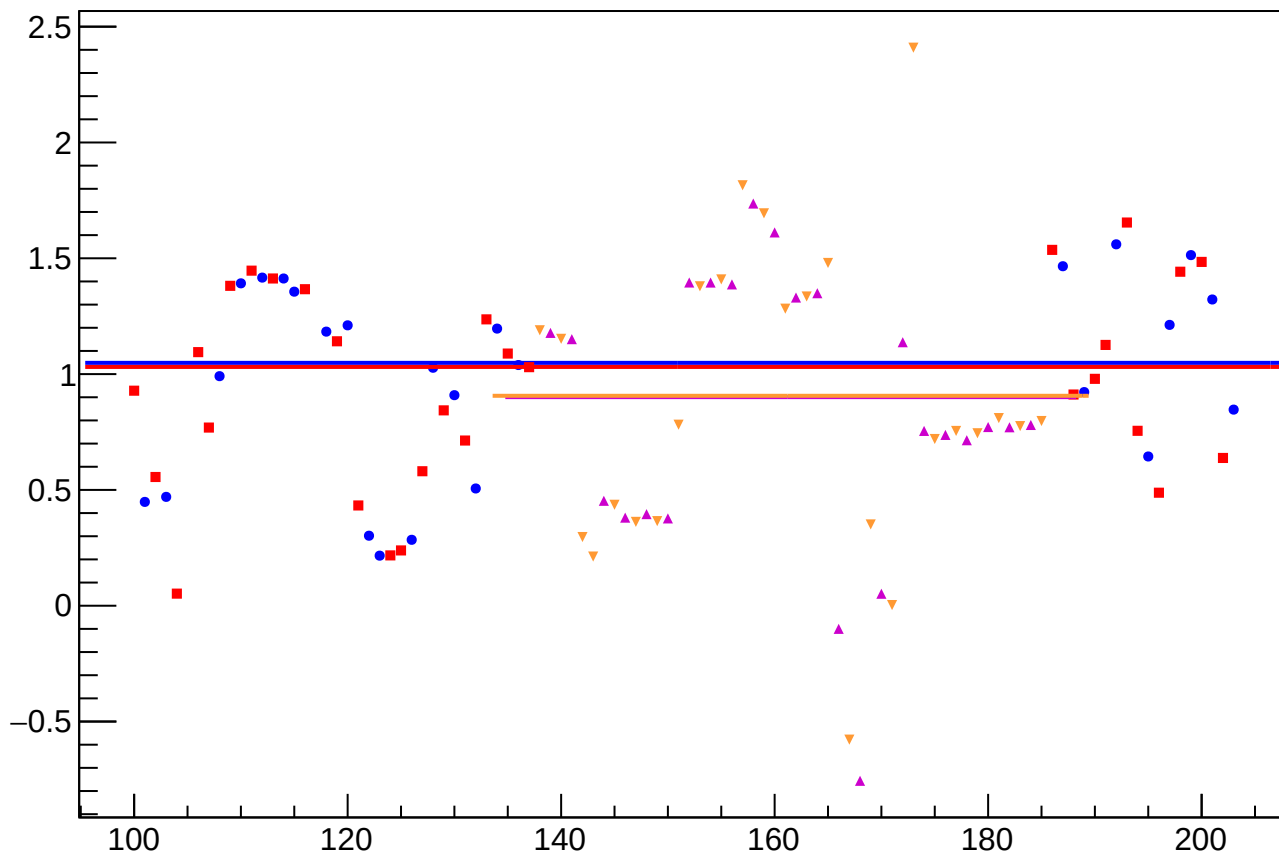
Left In: 0.036 ± 0.000 χ^2/NDF : 890993.5/22

+ sign 0.036 ± 0.000 χ^2/NDF : 4005899.7/49

All: 0.037 ± 0.000 χ^2/NDF : 8104915.3/101

- sign 0.038 ± 0.000 χ^2/NDF : 4066136.3/51

yield_bpm12Y_mean vs Slug



Right In: 1.049 $\pm$ 0.000 χ^2 /NDF: 18945672541.0/24

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.031 $\pm$ 0.000 χ^2 /NDF: 24885840242.0/28

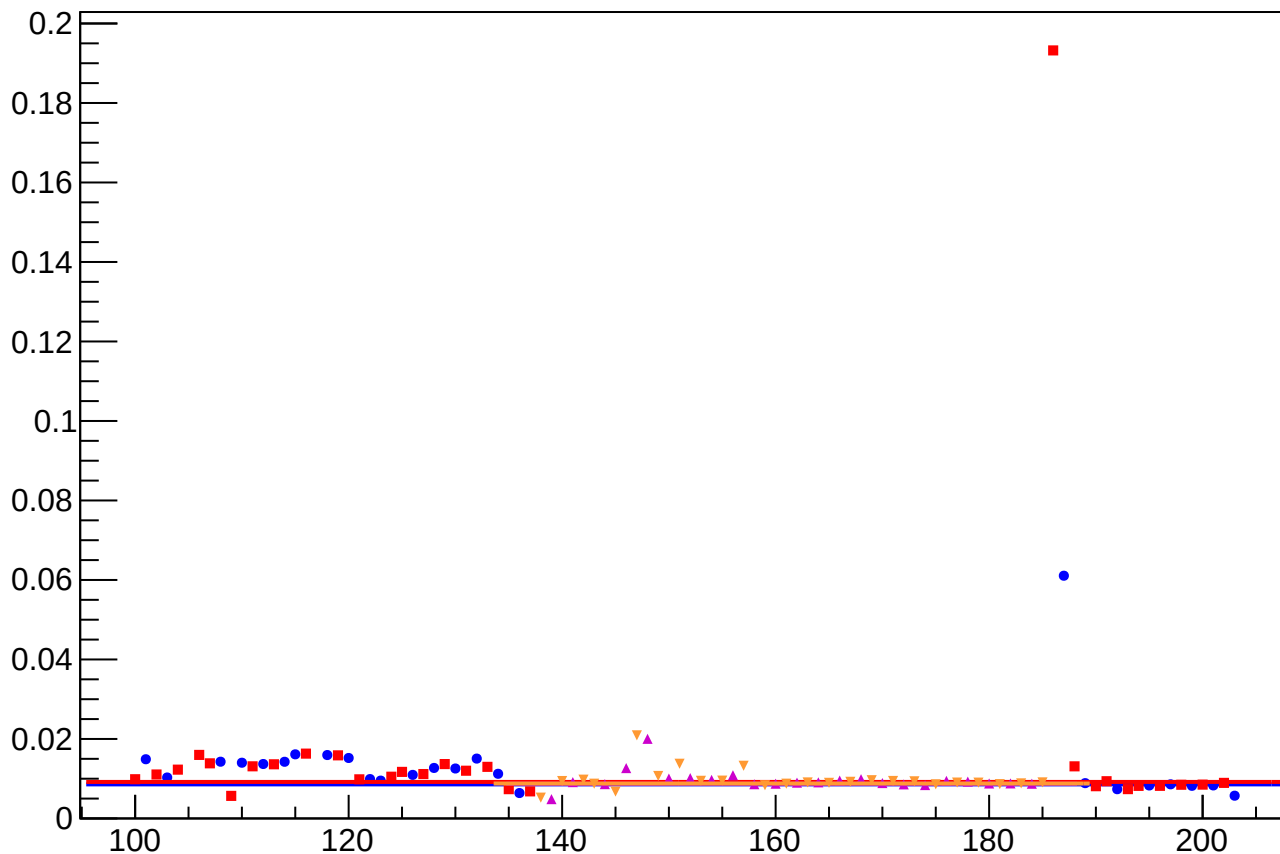
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.961 $\pm$ 0.000 χ^2 /NDF: 104769723550.1/49

All: 0.957 $\pm$ 0.000 χ^2 /NDF: 197983310077.7

- sign 0.951 $\pm$ 0.000 χ^2 /NDF: 93196010891.2/51

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2132231.5/24

Left Out: 0.009+/-0.000 χ^2/NDF :1698526.2/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2183112.5/28

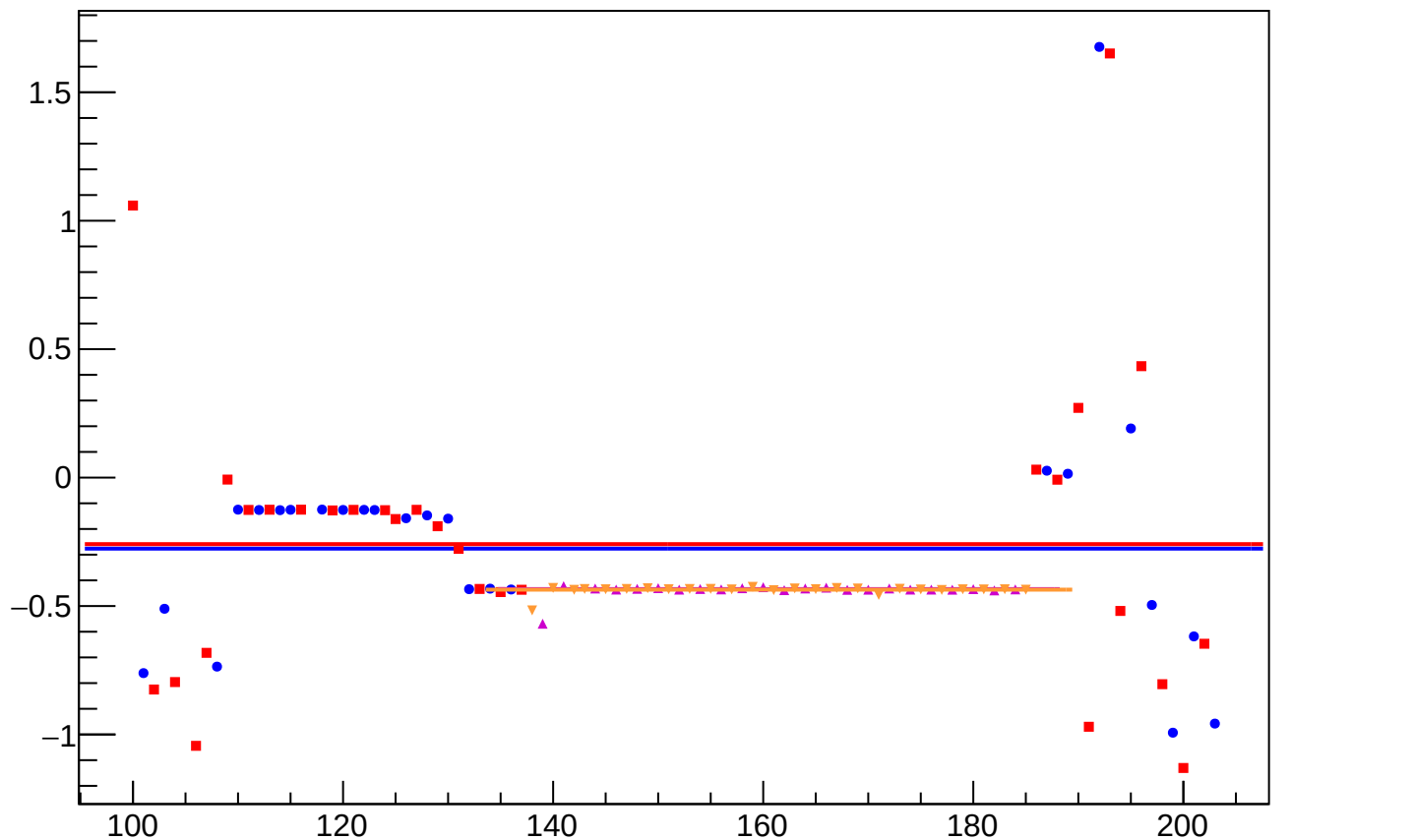
Left In: 0.009+/-0.000 χ^2/NDF :1669983.7/22

+ sign 0.009+/-0.000 χ^2/NDF : 3838540.3/49

All: 0.009+/-0.000 χ^2/NDF : 7740791.7/101

- sign 0.009+/-0.000 χ^2/NDF : 3886579.4/51

yield_bpm16X_mean vs Slug



Right In: -0.276 ± 0.000 $\chi^2/\text{NDF}: 2131298257.4/24$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.259 ± 0.000 $\chi^2/\text{NDF}: 2045726318.3/28$

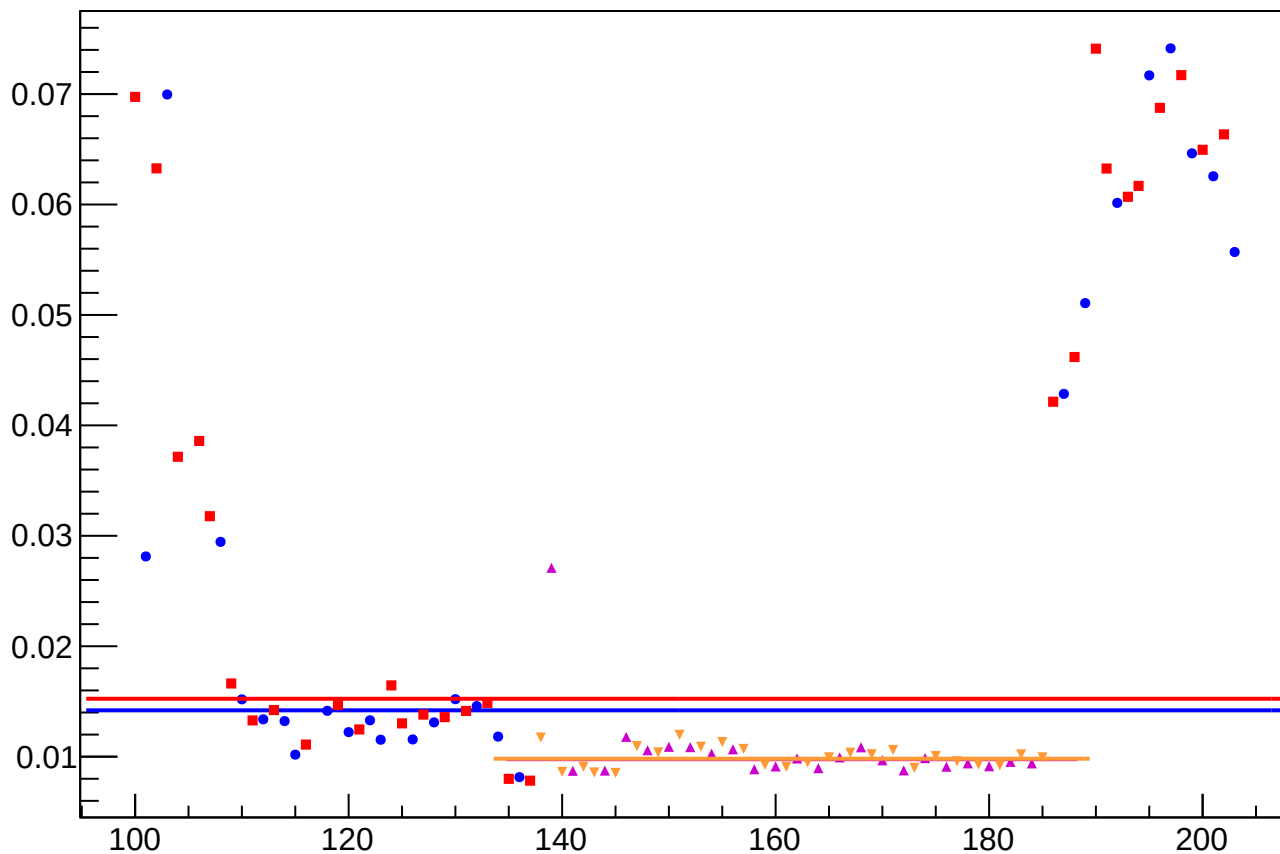
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.409 ± 0.000 $\chi^2/\text{NDF}: 2858348397.4/49$

All: -0.407 ± 0.000 $\chi^2/\text{NDF}: 5726952103.8/1$

- sign -0.404 ± 0.000 $\chi^2/\text{NDF}: 2866107601.4/51$

yield_bpm16X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 8235026.4/24

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 9207953.3/28

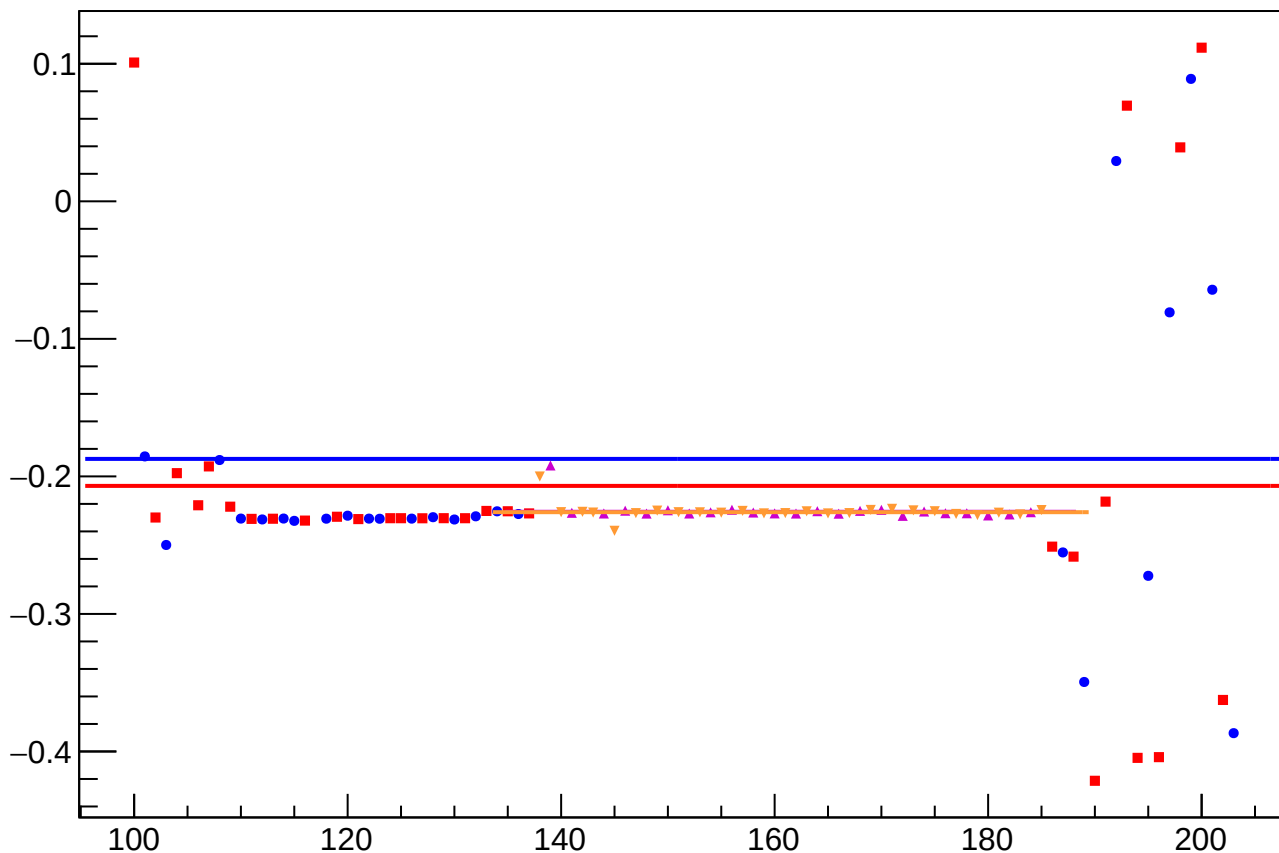
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 9556617.2/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 21120043.7/101

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 11559024.0/51

yield_bpm16Y_mean vs Slug



Right In: -0.187 ± 0.000 χ^2/NDF : 5299441278.7/24

Left Out: -0.226 ± 0.000 χ^2/NDF : 21207366.3/24

Right Out: -0.207 ± 0.000 χ^2/NDF : 7872237529.5/28

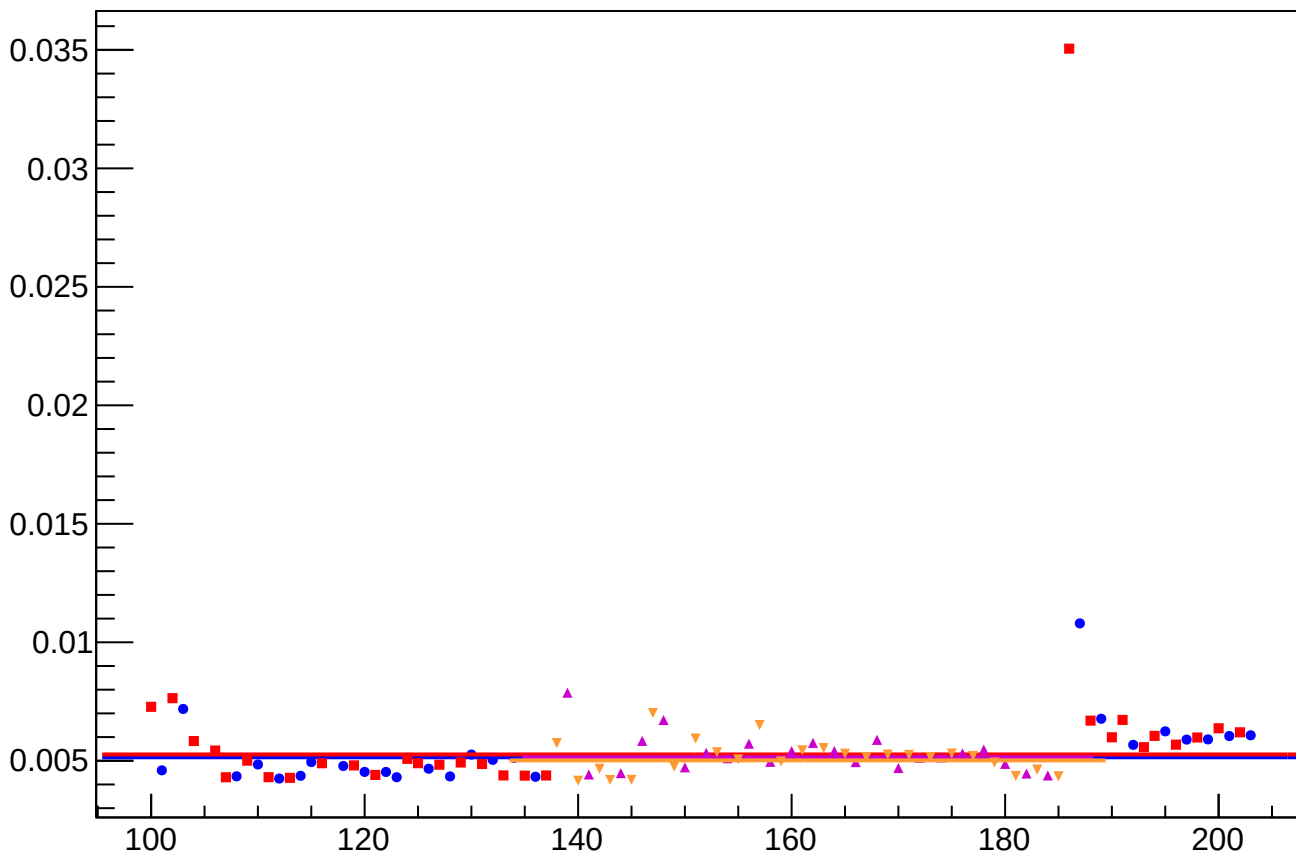
Left In: -0.226 ± 0.000 χ^2/NDF : 13717302.5/22

+ sign -0.211 ± 0.000 χ^2/NDF : 5708073623.1/49

All: -0.215 ± 0.000 χ^2/NDF : 13707275507.1/49

- sign -0.218 ± 0.000 χ^2/NDF : 7976156532.1/51

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 601953.9/24

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1130606.7/28

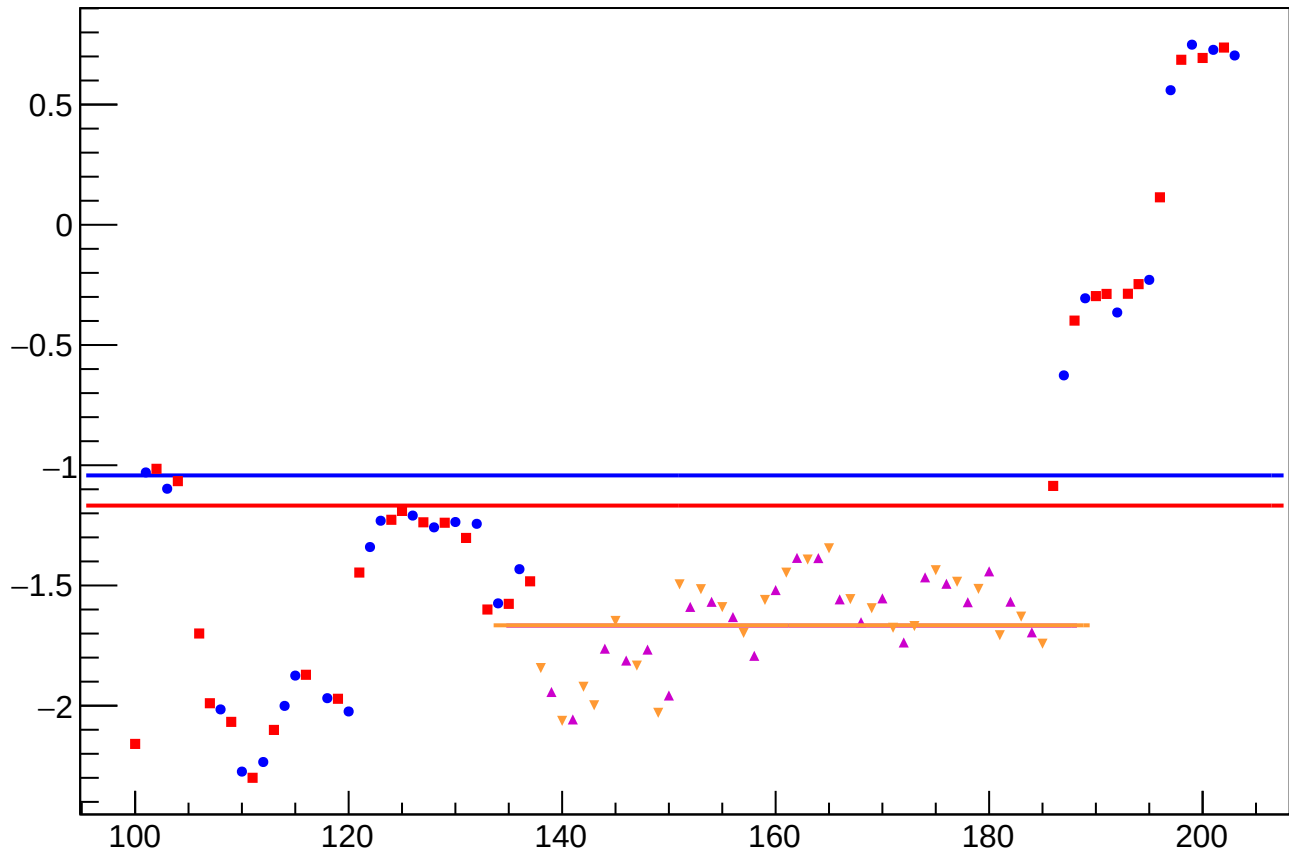
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1143535.2/49

All: 0.005+/-0.000 χ^2/NDF : 2803920.7/101

- sign 0.005+/-0.000 χ^2/NDF : 1641621.0/51

yield_bpm0l01X_mean vs Slug



Right In: -1.042 ± 0.000 $\chi^2/\text{NDF}: 143487994168.4/24$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18368038680.8/24$

Right Out: -1.168 ± 0.000 $\chi^2/\text{NDF}: 160609192096.3/28$

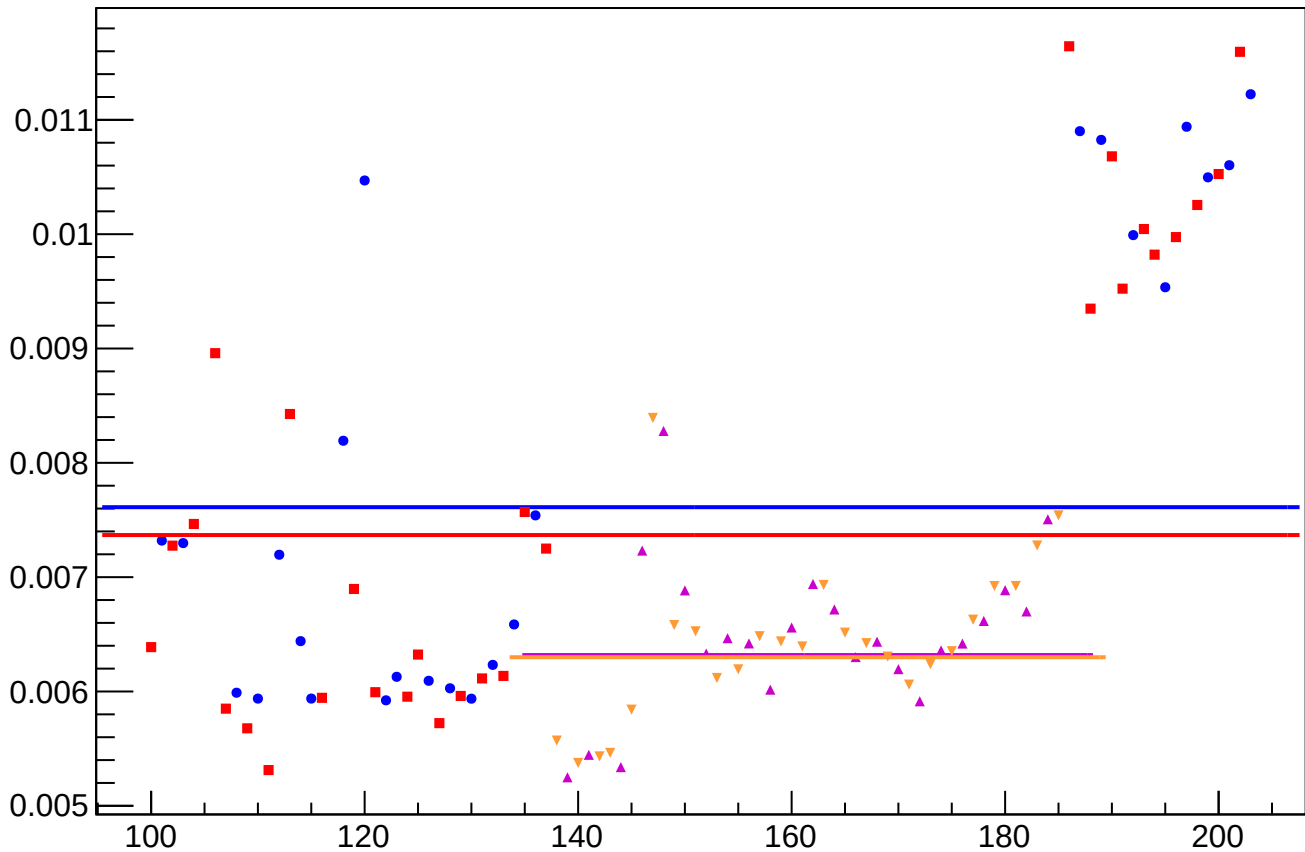
Left In: -1.667 ± 0.000 $\chi^2/\text{NDF}: 14615453869.3/22$

+ sign -1.480 ± 0.000 $\chi^2/\text{NDF}: 212971185875.6/49$

All: -1.486 ± 0.000 $\chi^2/\text{NDF}: 424396354662.4$

- sign -1.492 ± 0.000 $\chi^2/\text{NDF}: 211380713967.7/51$

yield_bpm0l01X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1284493.9/24

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:312811.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1545285.6/28

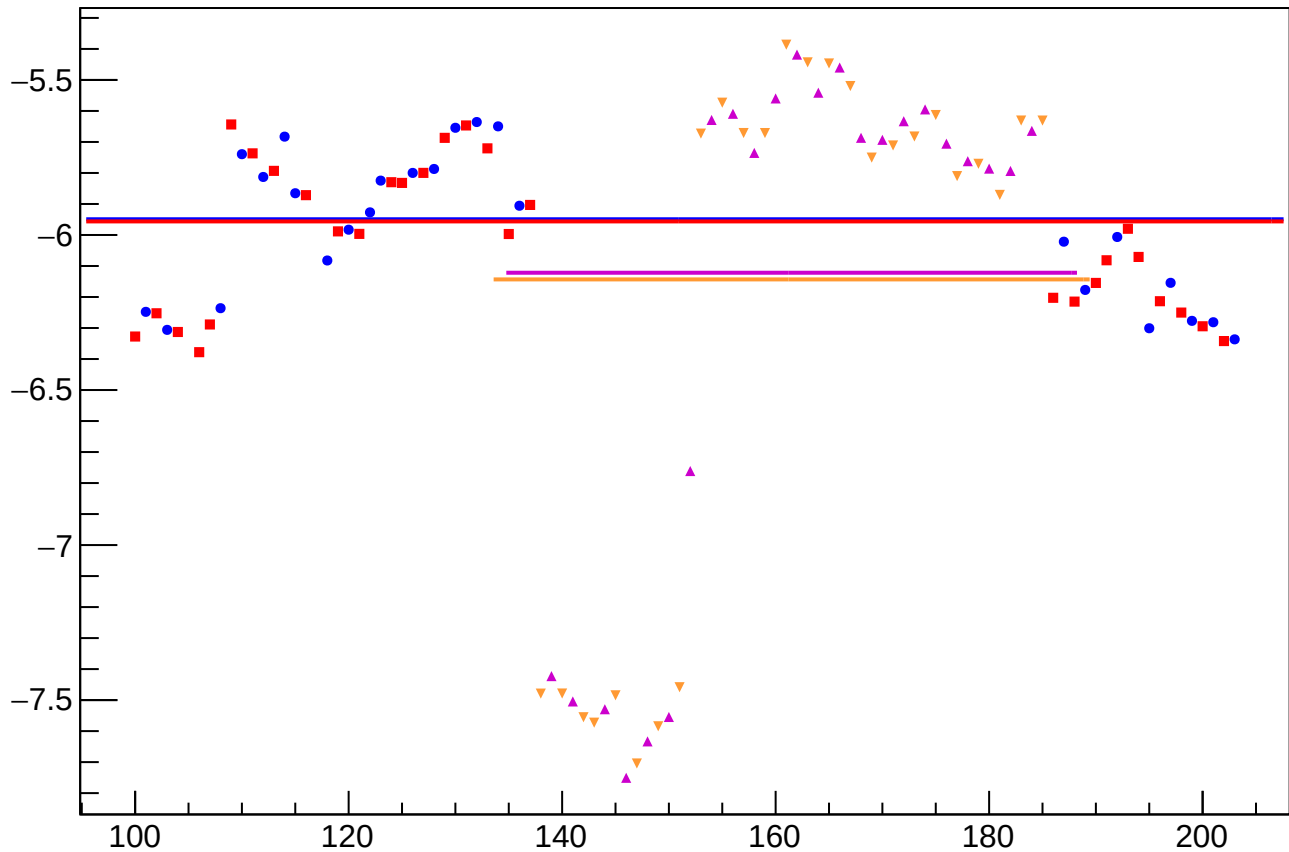
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:334332.4/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2050631.7/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 4249960.9/101

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2199321.2/51

yield_bpm0l01Y_mean vs Slug



Right In: -5.949+/-0.000 χ^2/NDF : 13884911764.2/24

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.956+/-0.000 χ^2/NDF : 15337420391.5/28

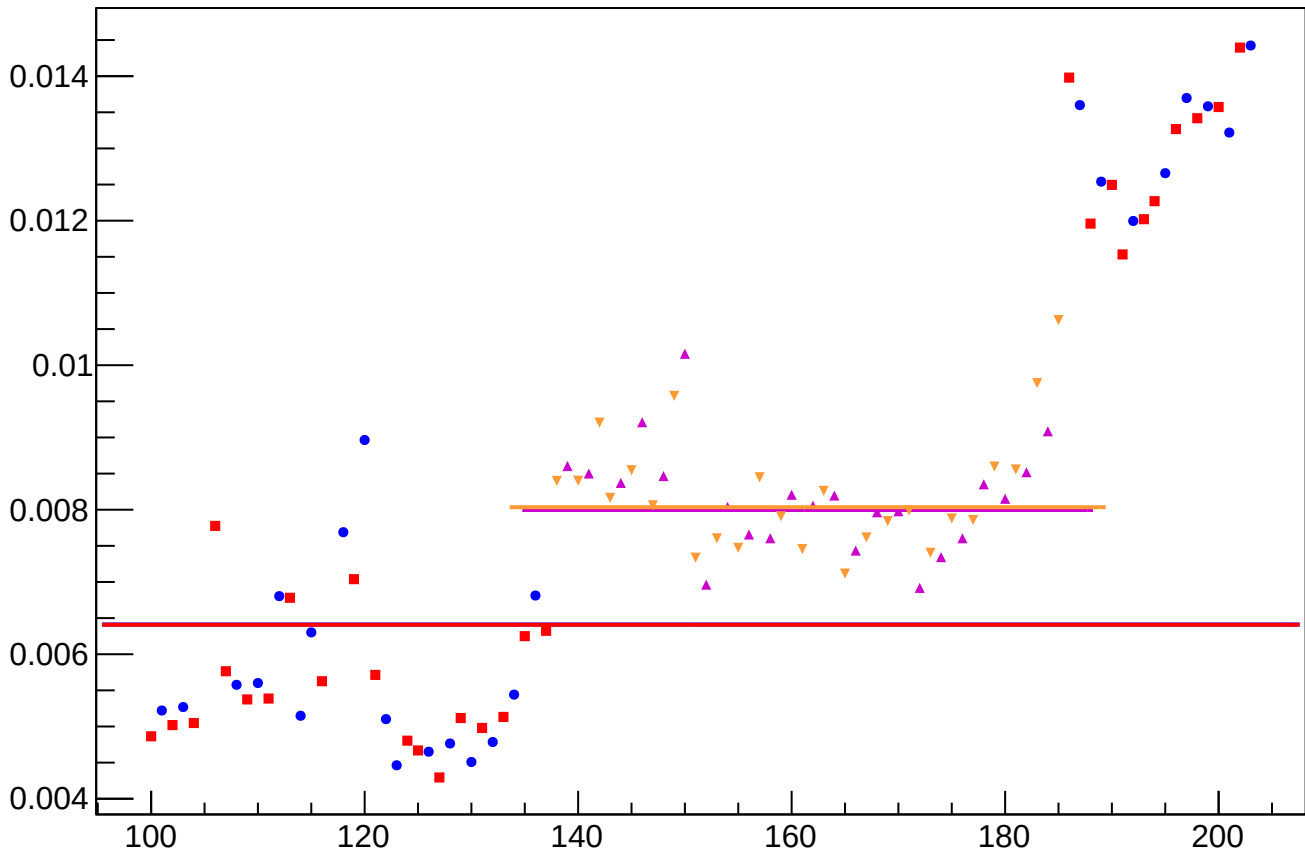
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.051+/-0.000 χ^2/NDF : 204201773369.9/49

All: -6.044+/-0.000 χ^2/NDF : 382985130901.1

- sign -6.037+/-0.000 χ^2/NDF : 178733073805.4/51

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 3566692.4/24

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3851658.1/28

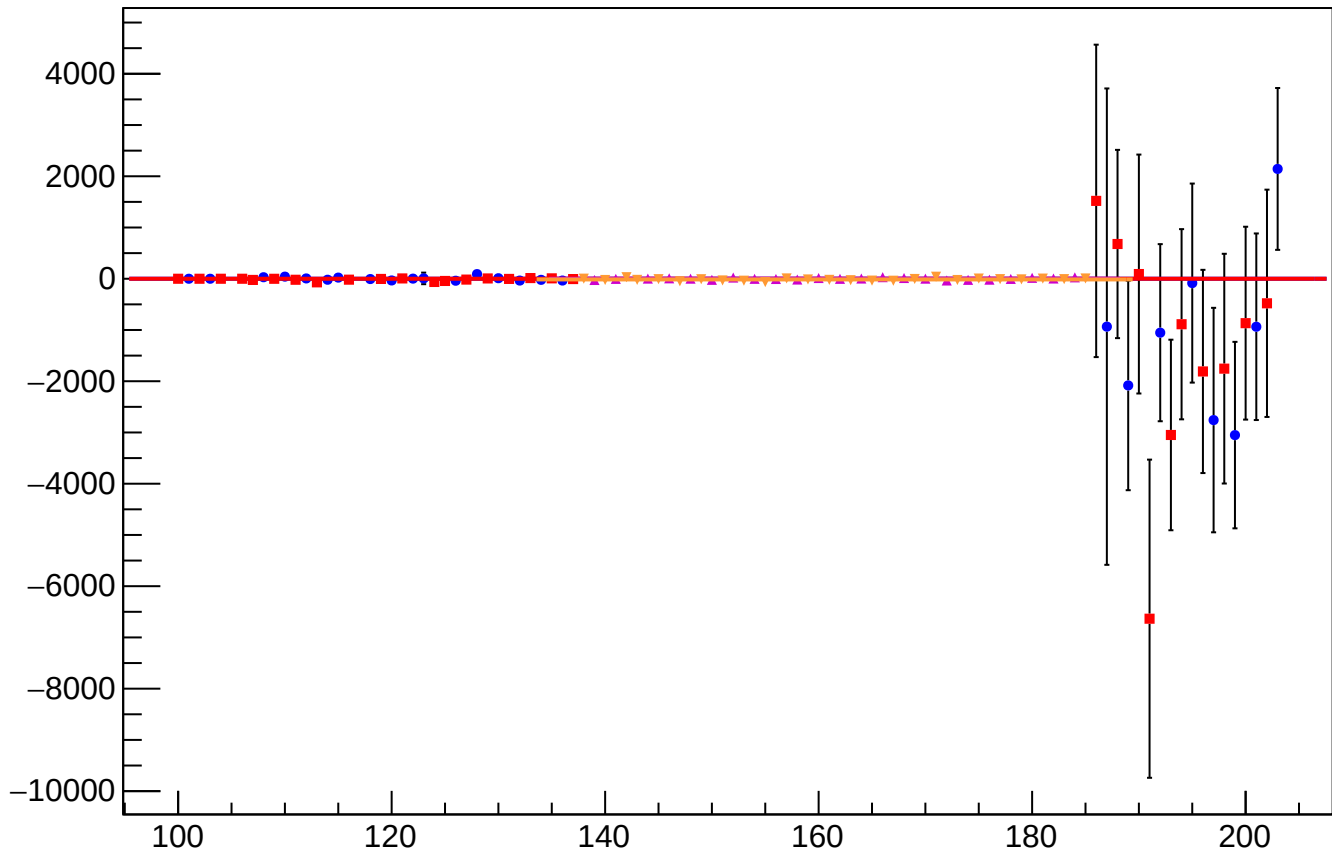
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 4415873.5/49

All: 0.007+/-0.000 χ^2/NDF : 9133162.3/101

- sign 0.007+/-0.000 χ^2/NDF : 4713967.7/51

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 24.2/24

Left Out: -13.472+/-2.796 χ^2/NDF : 58.5/24

Right Out: 0.003+/-0.016 χ^2/NDF : 24.5/28

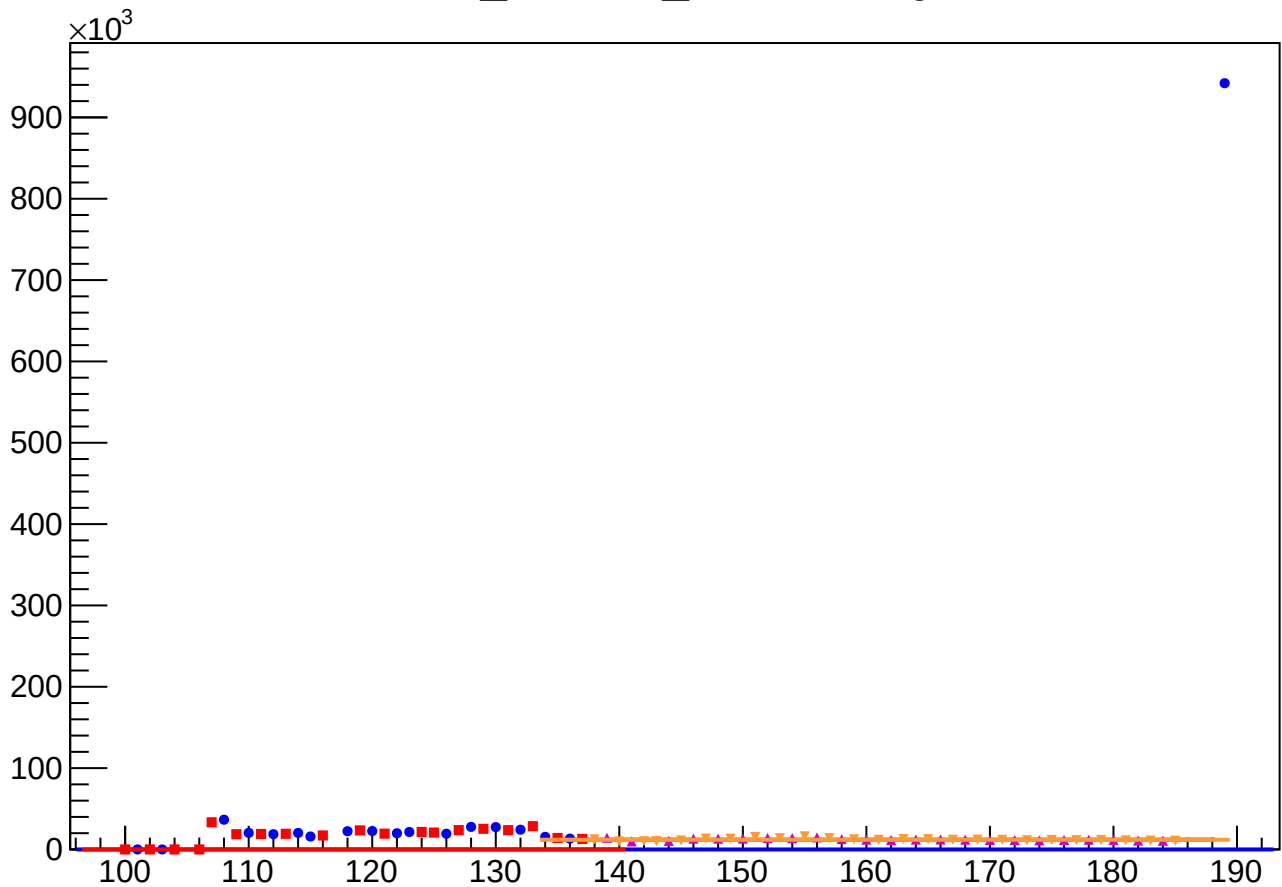
Left In: -0.489+/-2.905 χ^2/NDF : 28.7/22

+ sign 0.013+/-0.017 χ^2/NDF : 106.0/49

All: 0.008+/-0.012 χ^2/NDF : 159.4/101

- sign 0.003+/-0.016 χ^2/NDF : 53.2/51

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

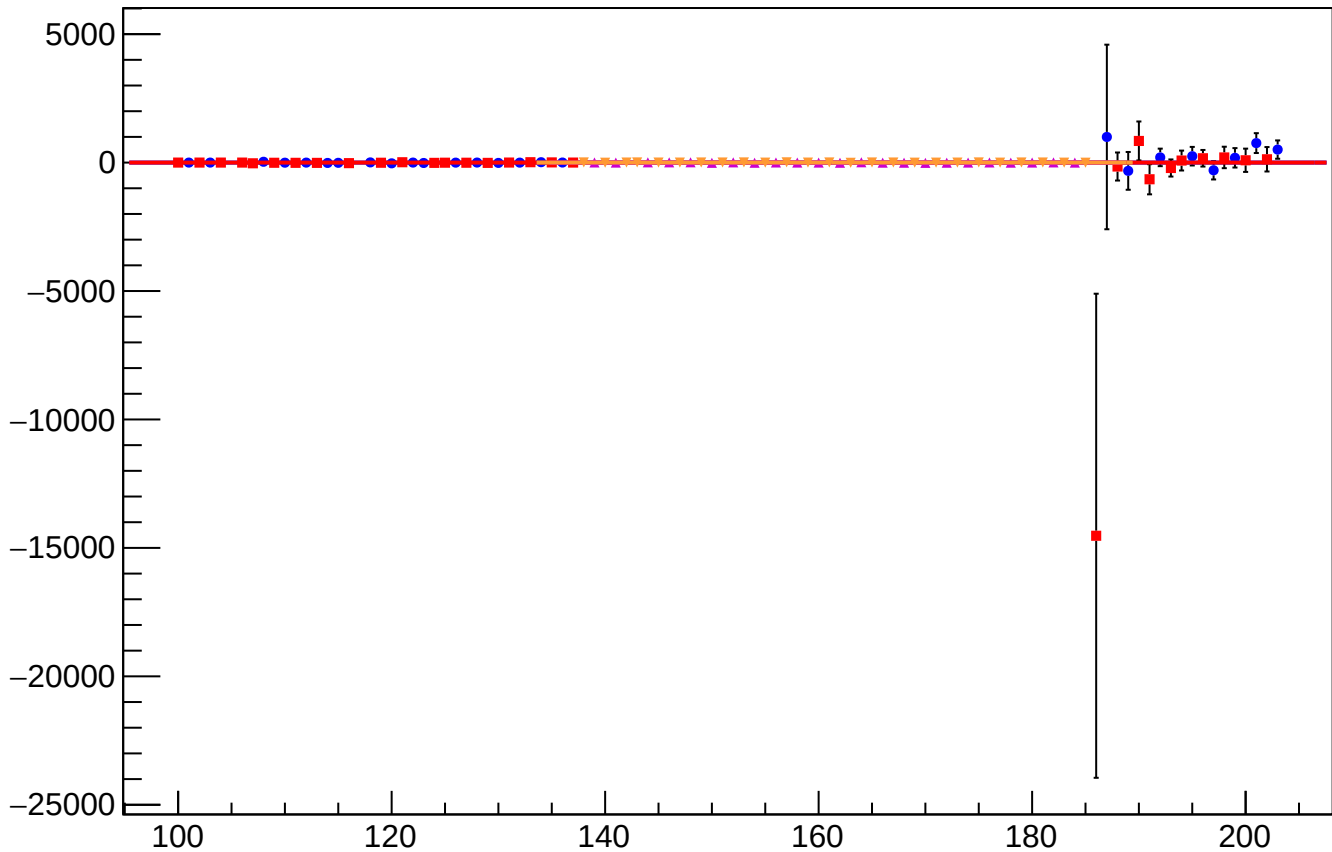
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ 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: 22.5/24

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.6/28

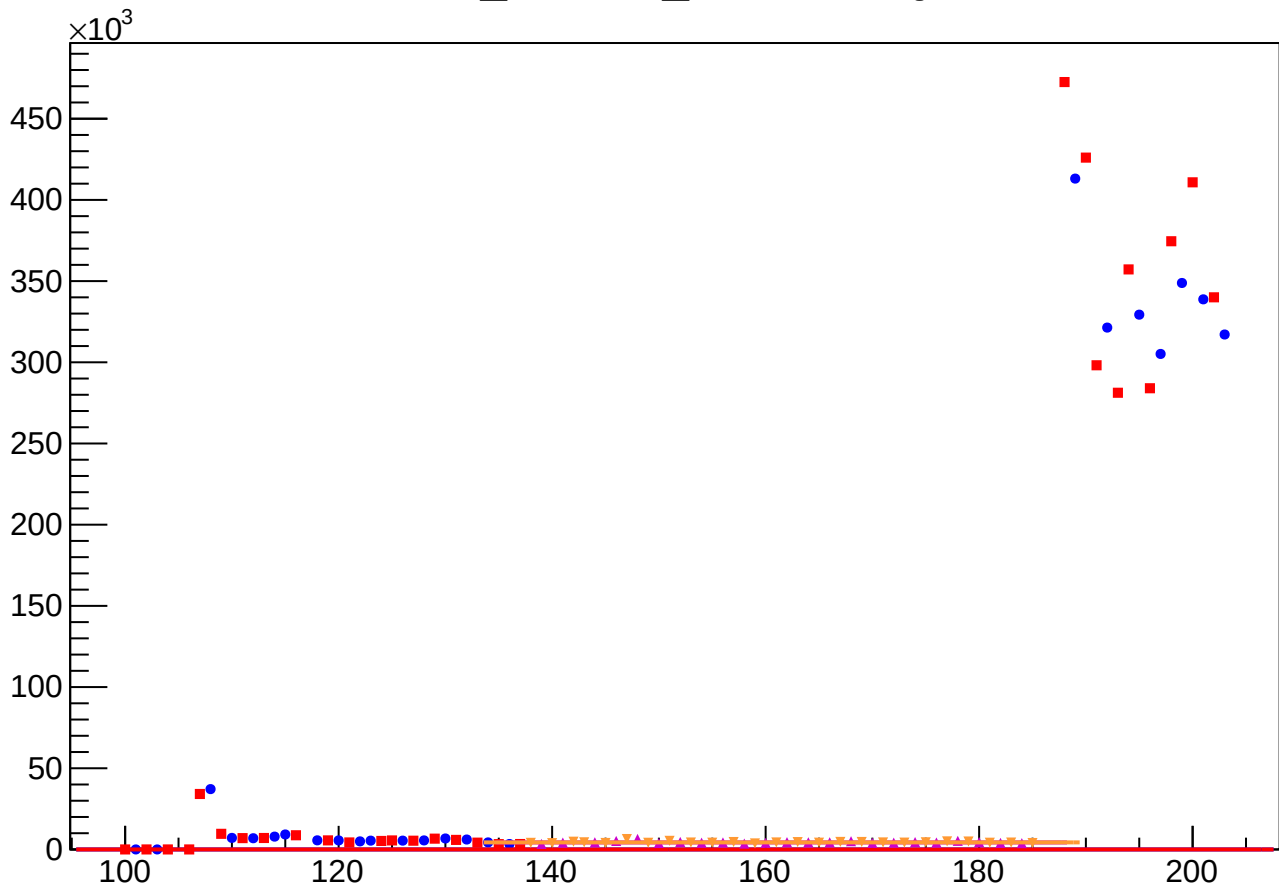
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 43.1/49

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 105.1/101

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.9/51

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 21246590.4/23

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 22674710.2/27

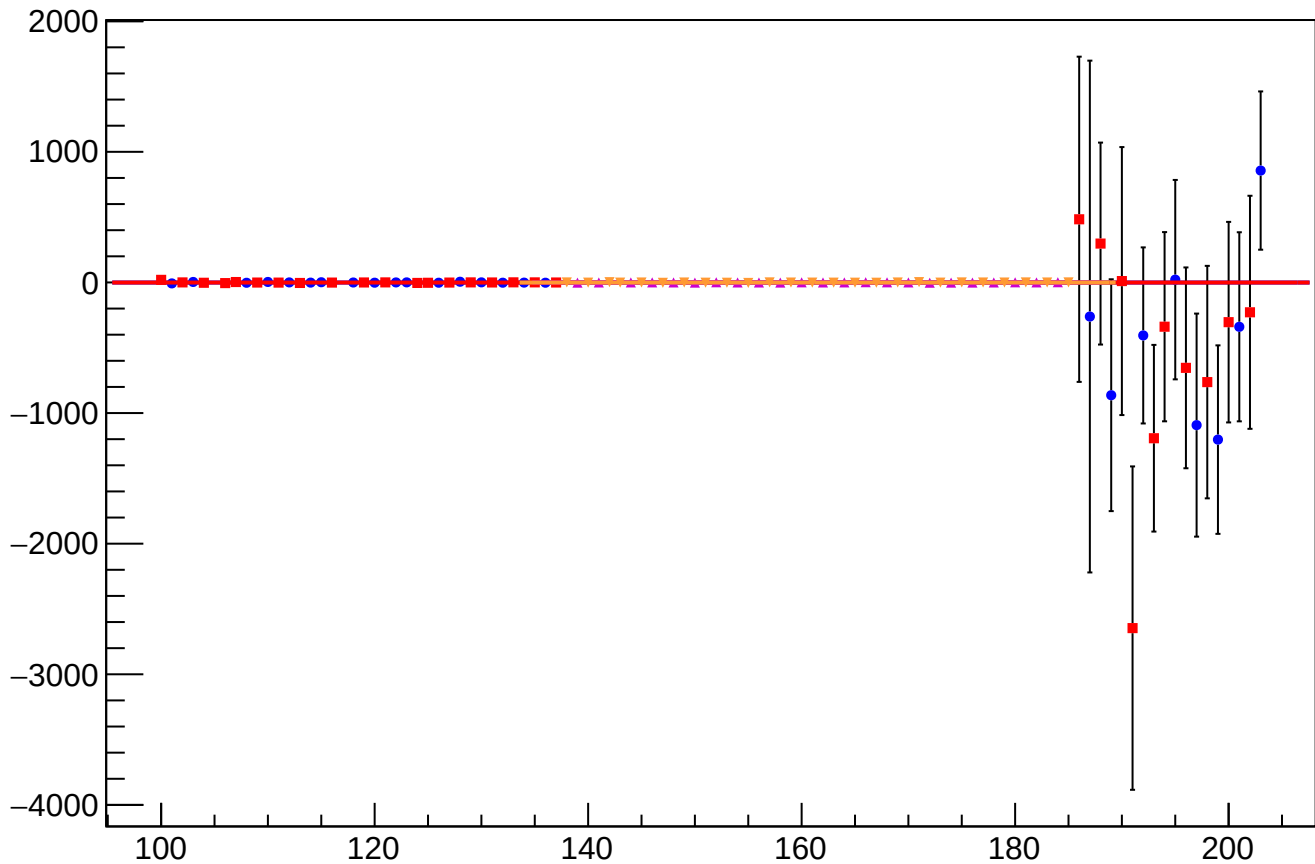
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.291 ± 0.007 χ^2/NDF : 57774565.6/48

All: 10.217 ± 0.004 χ^2/NDF : 115047169.1/99

- sign 10.151 ± 0.006 χ^2/NDF : 57272356.7/50

diff_cav4cX_mean vs Slug



Right In: -0.703 ± 0.485 χ^2/NDF : 30.5/24

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.762 ± 0.502 χ^2/NDF : 21.3/28

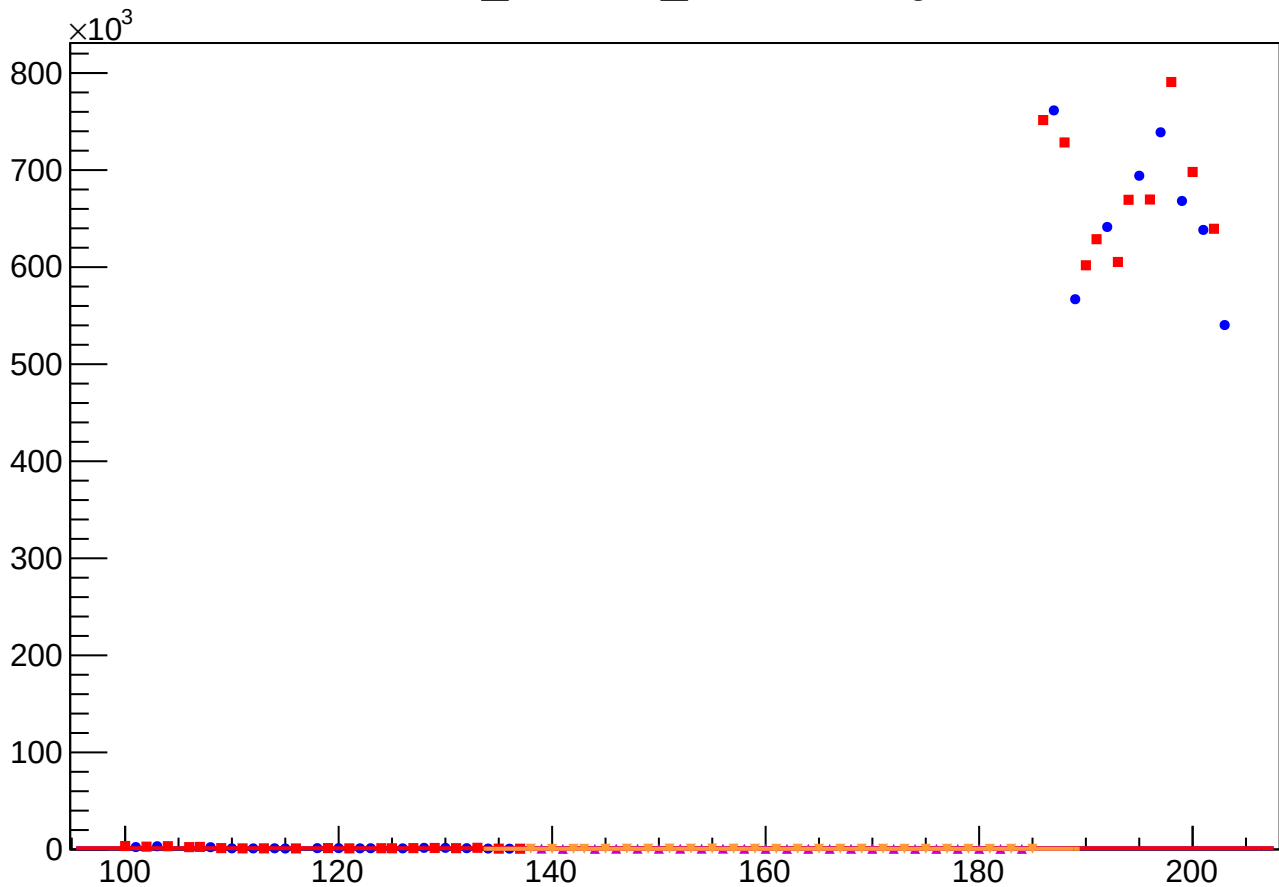
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 88.8/49

All: -0.444 ± 0.112 χ^2/NDF : 150.3/101

- sign -0.097 ± 0.161 χ^2/NDF : 52.5/51

diff_cav4cX_rms vs Slug



Right In: 1166.208 $\pm$ 0.343 χ^2 /NDF: 12481161.7/24

Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF:392521.4/24

Right Out: 1251.589 $\pm$ 0.355 χ^2 /NDF: 14137902.7/28

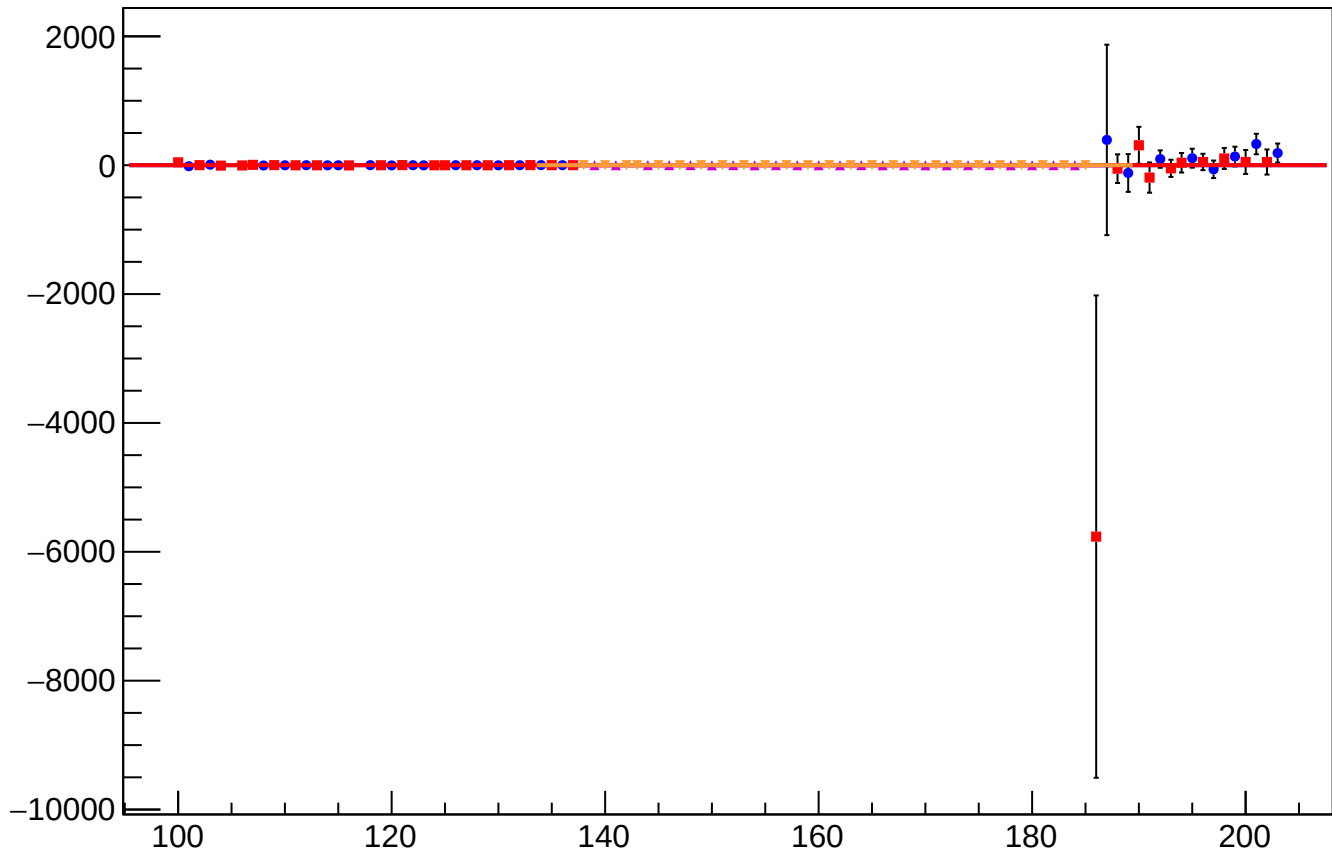
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF:338177.1/22

+ sign 748.708 $\pm$ 0.110 χ^2 /NDF: 14525710.5/49

All: 755.623 $\pm$ 0.079 χ^2 /NDF: 31120935.7/10

- sign 763.037 $\pm$ 0.114 χ^2 /NDF: 16587040.8/51

diff_cav4cY_mean vs Slug



Right In: -0.057 ± 0.271 χ^2/NDF : 29.1/24

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 25.9/28

Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

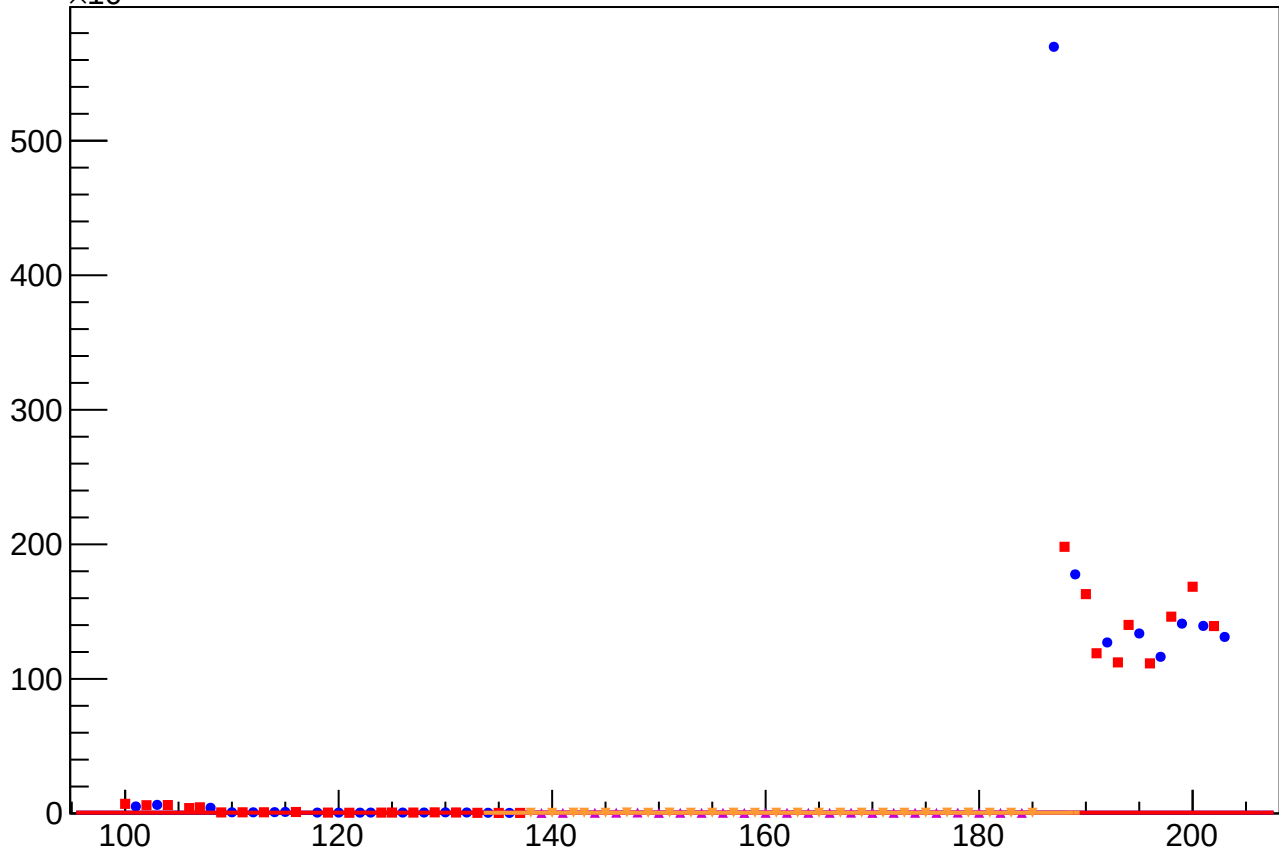
+ sign 0.186 ± 0.112 χ^2/NDF : 47.7/49

All: 0.163 ± 0.080 χ^2/NDF : 108.8/101

- sign 0.139 ± 0.113 χ^2/NDF : 61.0/51

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 611.456 $\pm$ 0.191 χ^2 /NDF: 13784204.6/24

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 602.618 $\pm$ 0.187 χ^2 /NDF: 15150357.4/27

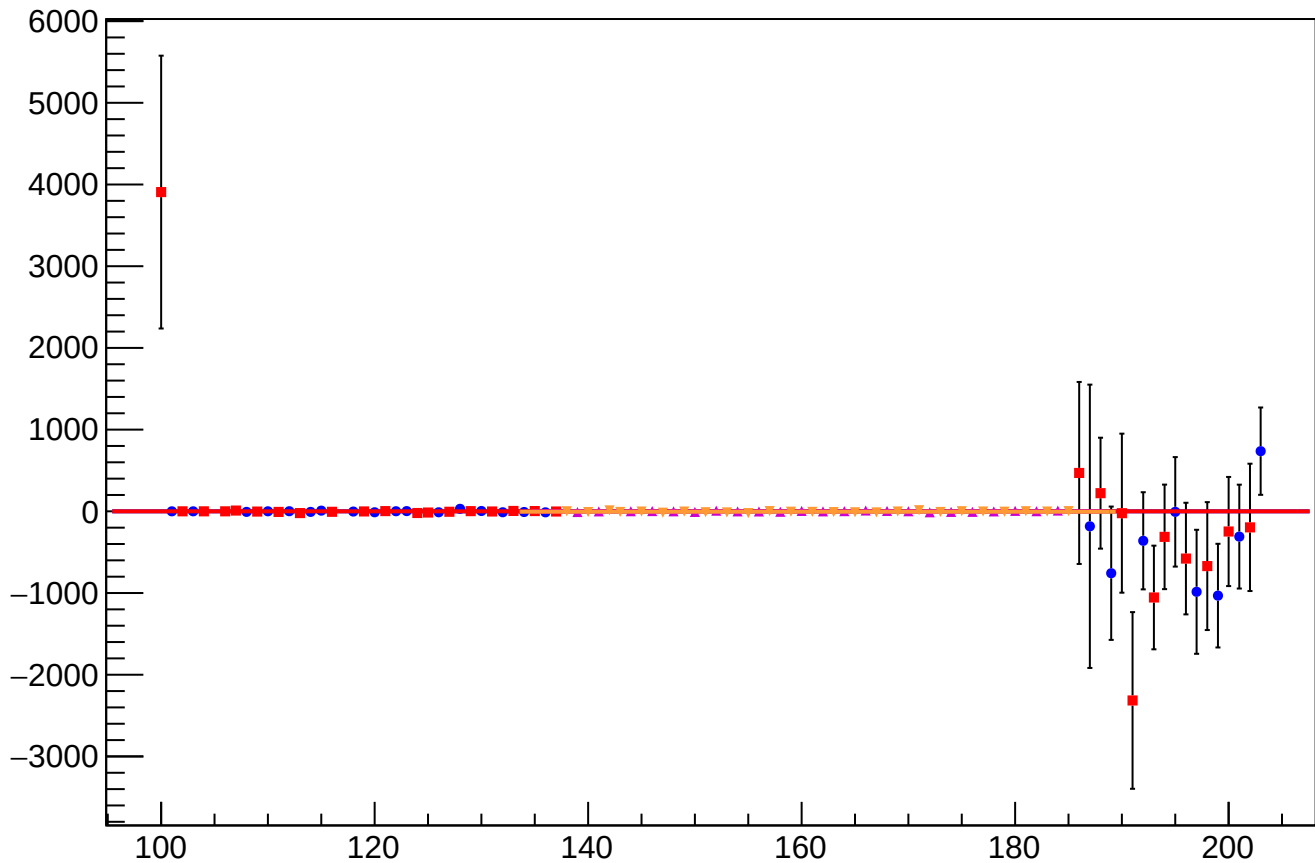
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.560 $\pm$ 0.079 χ^2 /NDF: 14295539.8/49

All: 536.337 $\pm$ 0.056 χ^2 /NDF: 30050418.5/10

- sign 535.074 $\pm$ 0.080 χ^2 /NDF: 15754390.6/50

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 23.3/24

Left Out: -4.474 $\pm$ 0.956 χ^2 /NDF: 58.2/24

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 26.3/28

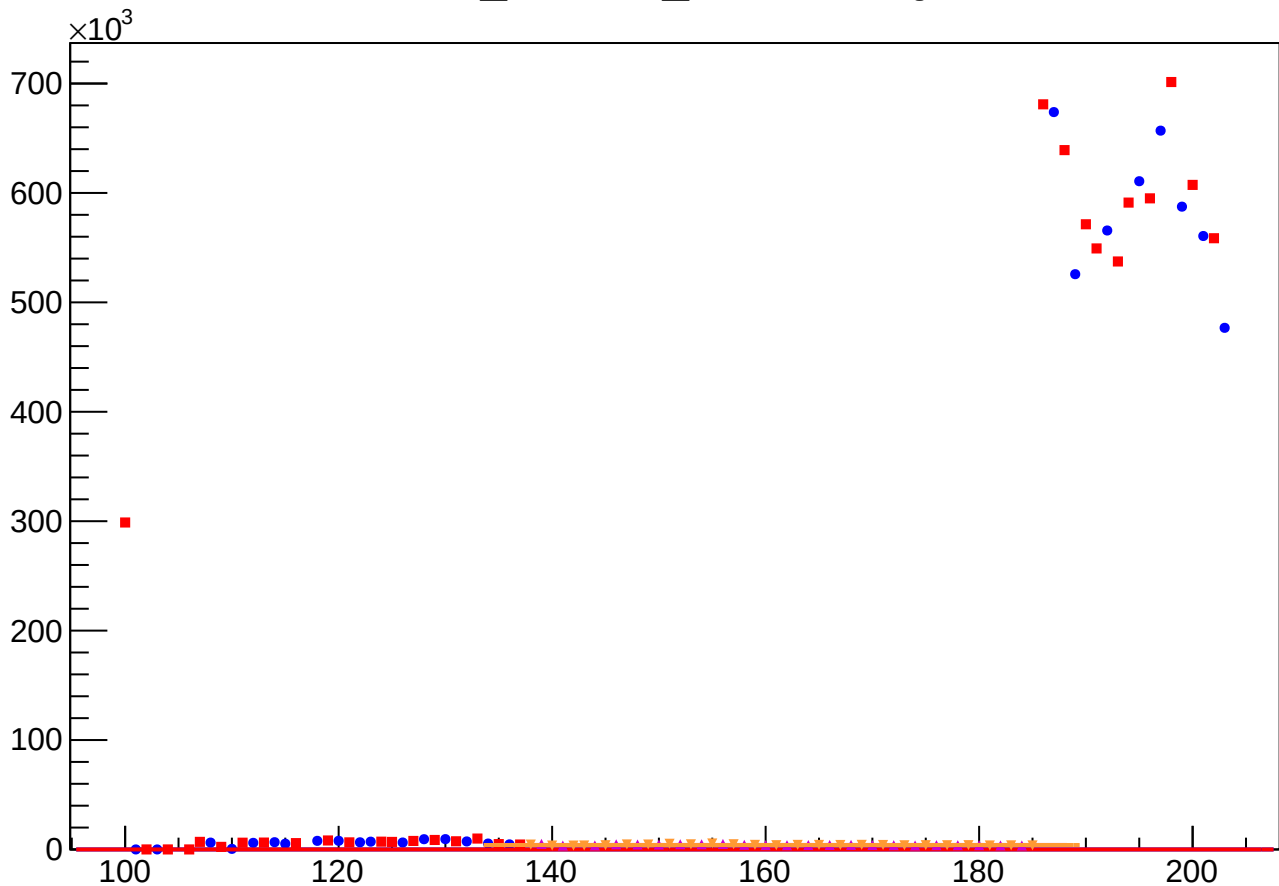
Left In: -0.193 $\pm$ 0.990 χ^2 /NDF: 29.2/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 103.3/49

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 158.9/101

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 55.6/51

diff_cav4dX_rms vs Slug



Right In: 17.340+/-0.015 χ^2/NDF : 21279861.0/24

Left Out: 4074.257+/-0.676 χ^2/NDF : 416916.0/24

Right Out: 17.271+/-0.014 χ^2/NDF : 23411231.2/28

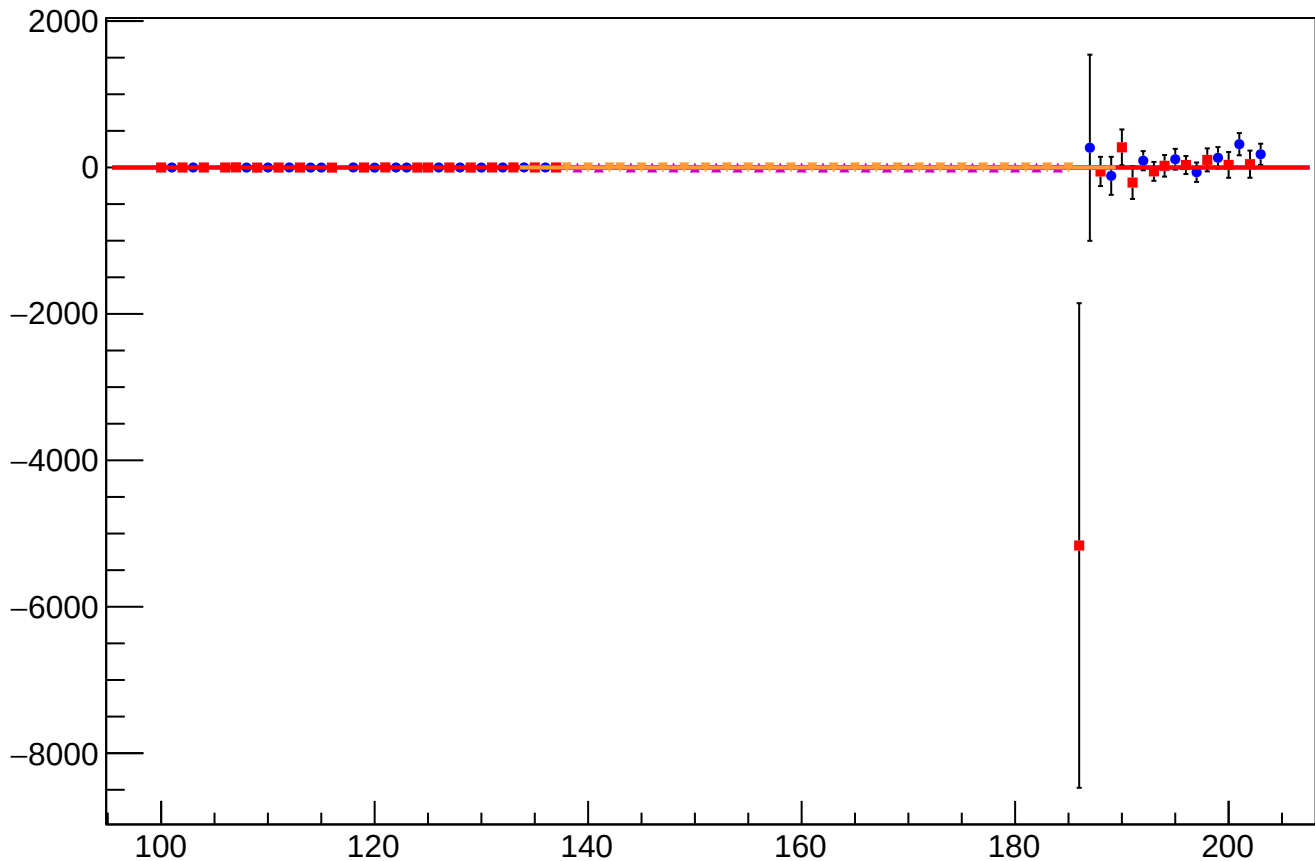
Left In: 4113.744+/-0.700 χ^2/NDF : 354965.8/22

+ sign 19.260+/-0.015 χ^2/NDF : 57729938.9/49

All: 19.073+/-0.010 χ^2/NDF : 115713239.7/10

- sign 18.904+/-0.014 χ^2/NDF : 57982993.9/51

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 23.7/24

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.5/28

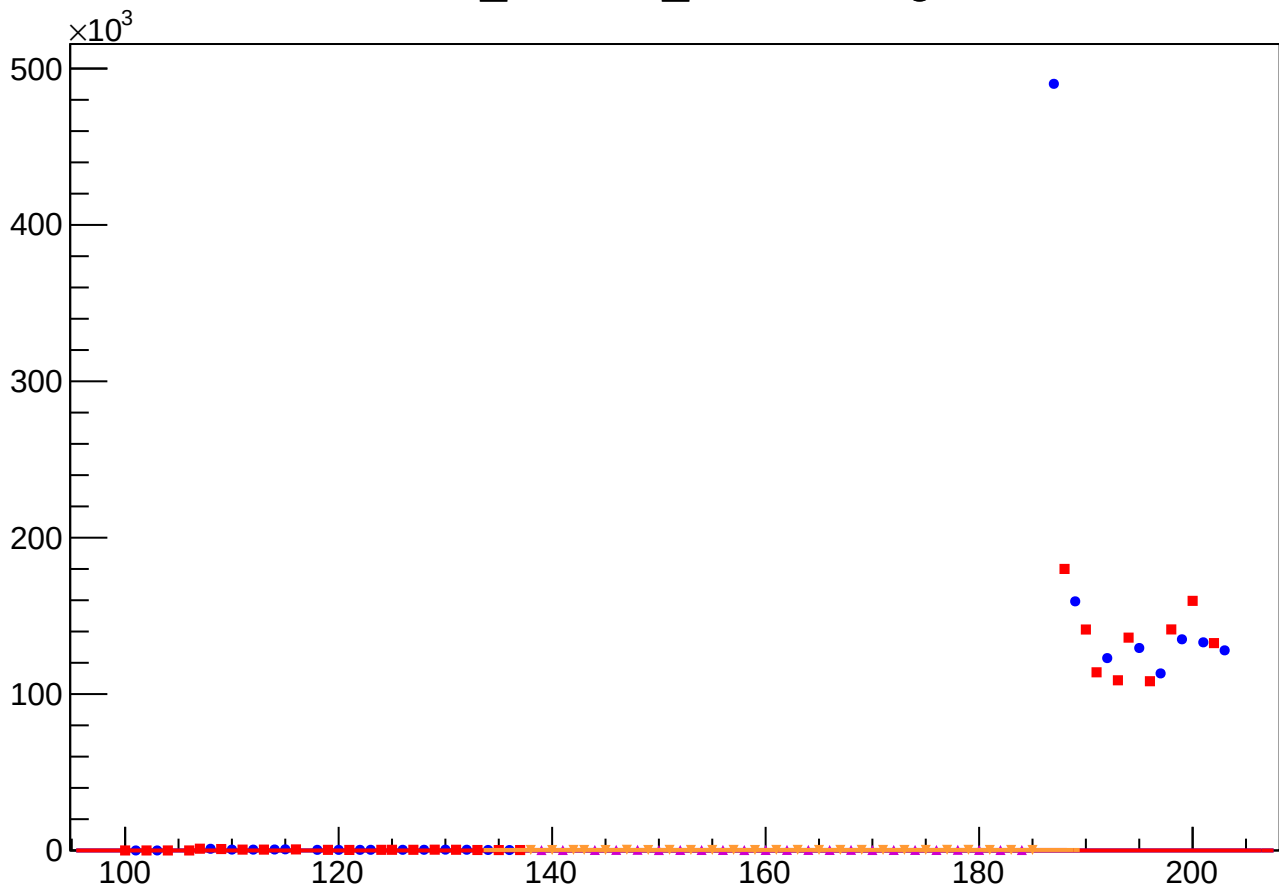
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 44.4/49

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 103.6/101

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.2/51

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 21629411.7/24

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF:350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 22450268.2/27

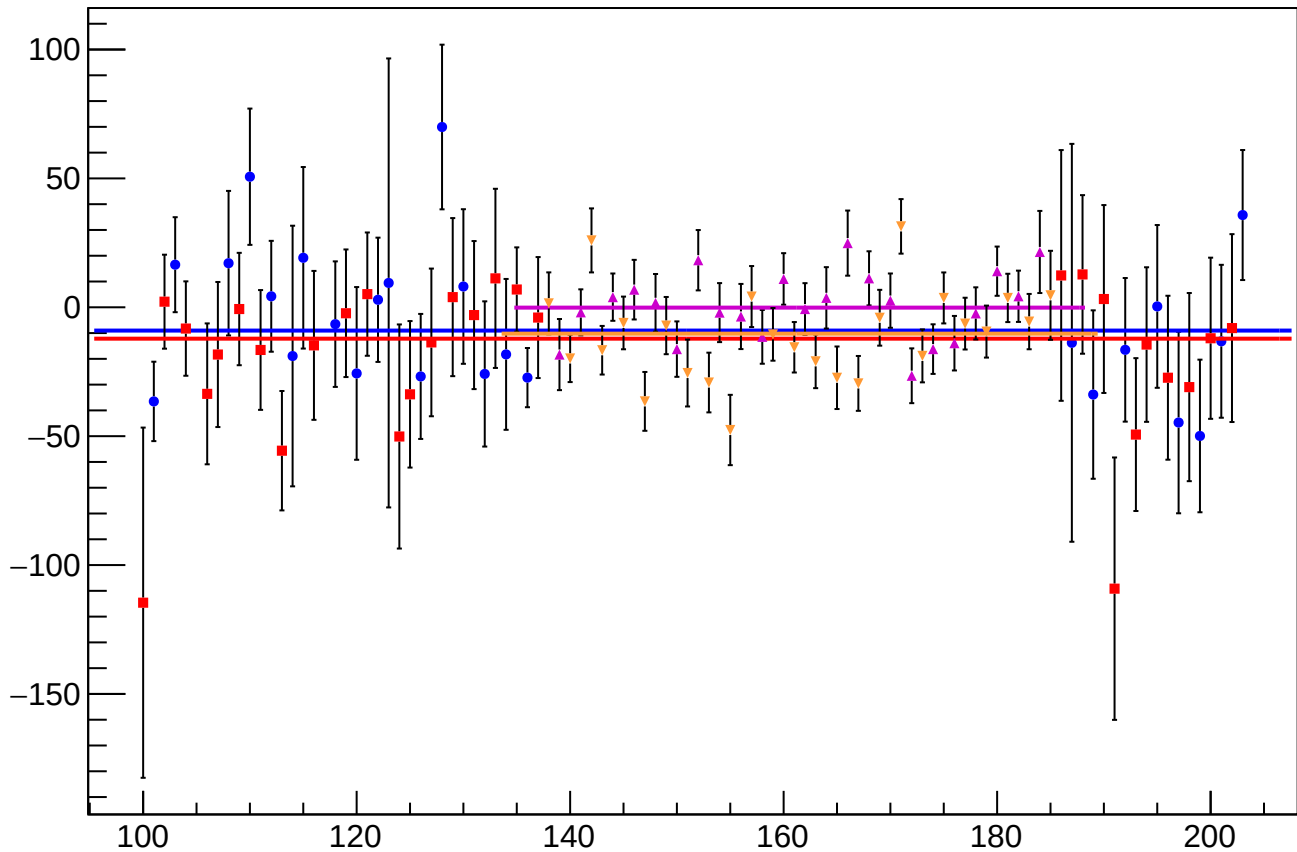
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF:428069.7/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 57941751.9/49

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 114791065.6/100

- sign 1.926 $\pm$ 0.001 χ^2 /NDF: 56849313.6/50

diff_bpm4aX_mean vs Slug



Right In: -9.032 ± 5.031 χ^2/NDF : 29.5/24

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -12.173 ± 5.048 χ^2/NDF : 18.6/28

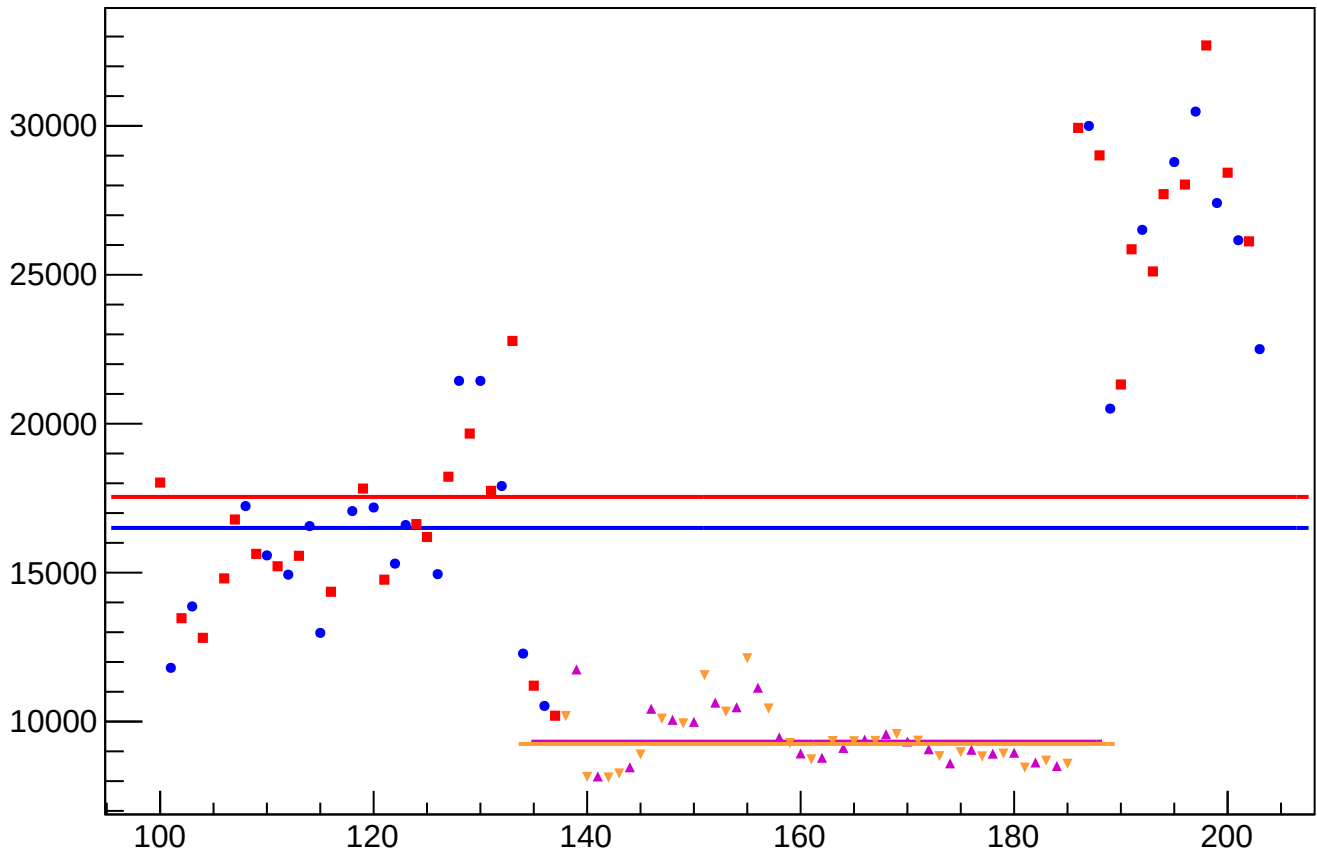
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.047 ± 1.990 χ^2/NDF : 87.5/49

All: -6.197 ± 1.428 χ^2/NDF : 148.4/101

- sign -2.114 ± 2.049 χ^2/NDF : 53.2/51

diff_bpm4aX_rms vs Slug



Right In: 16500.786 $\pm$ 3.558 χ^2 /NDF: 2530610.0/24

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 17542.498 $\pm$ 3.569 χ^2 /NDF: 2673810.8/28

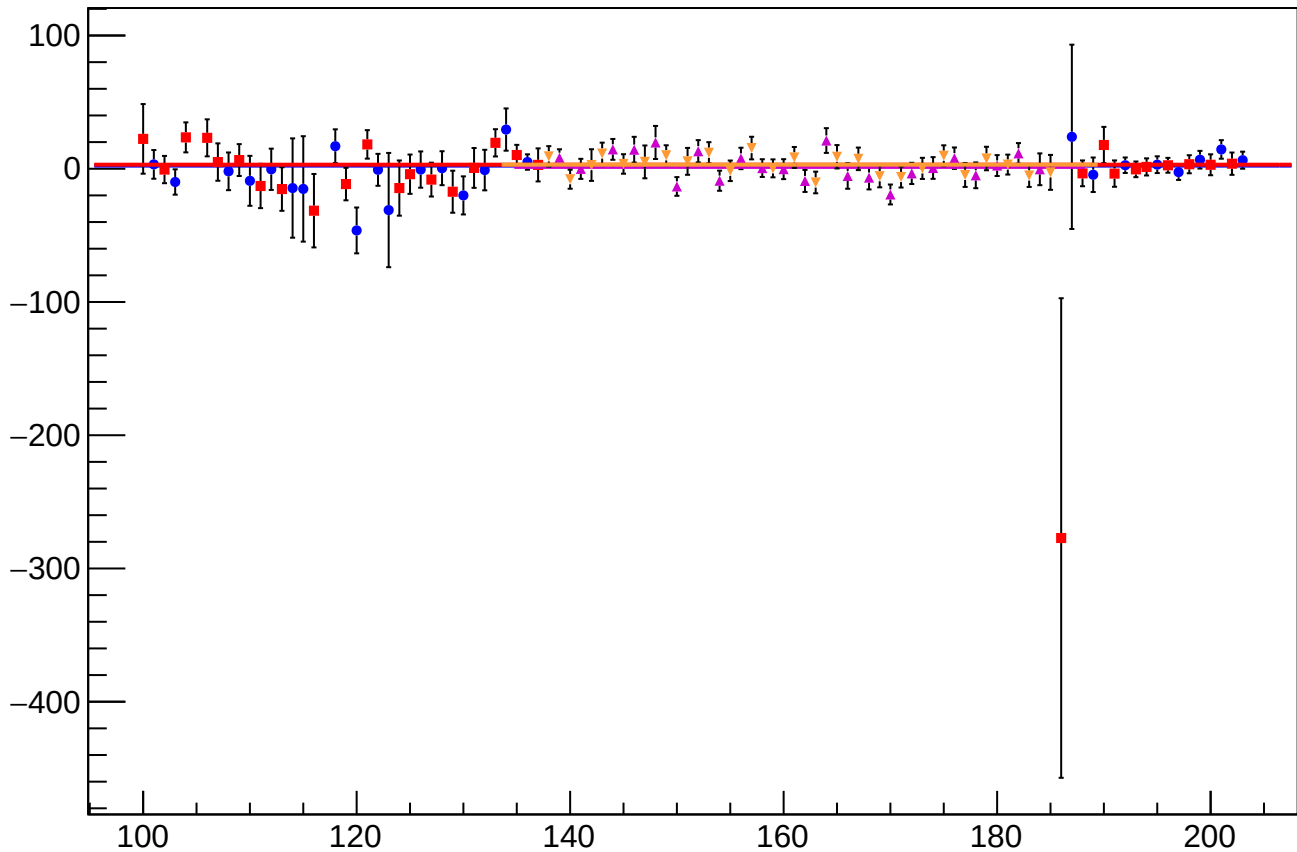
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10383.745 $\pm$ 1.407 χ^2 /NDF: 6367226.1/49

All: 10527.177 $\pm$ 1.009 χ^2 /NDF: 13770076.8

- sign 10679.268 $\pm$ 1.449 χ^2 /NDF: 7381442.7/51

diff_bpm4aY_mean vs Slug



Right In: 2.372 $\pm$ 1.952 χ^2 /NDF: 23.2/24

Left Out: 3.062 $\pm$ 1.659 χ^2 /NDF:18.3/24

Right Out: 3.043 $\pm$ 1.893 χ^2 /NDF: 25.2/28

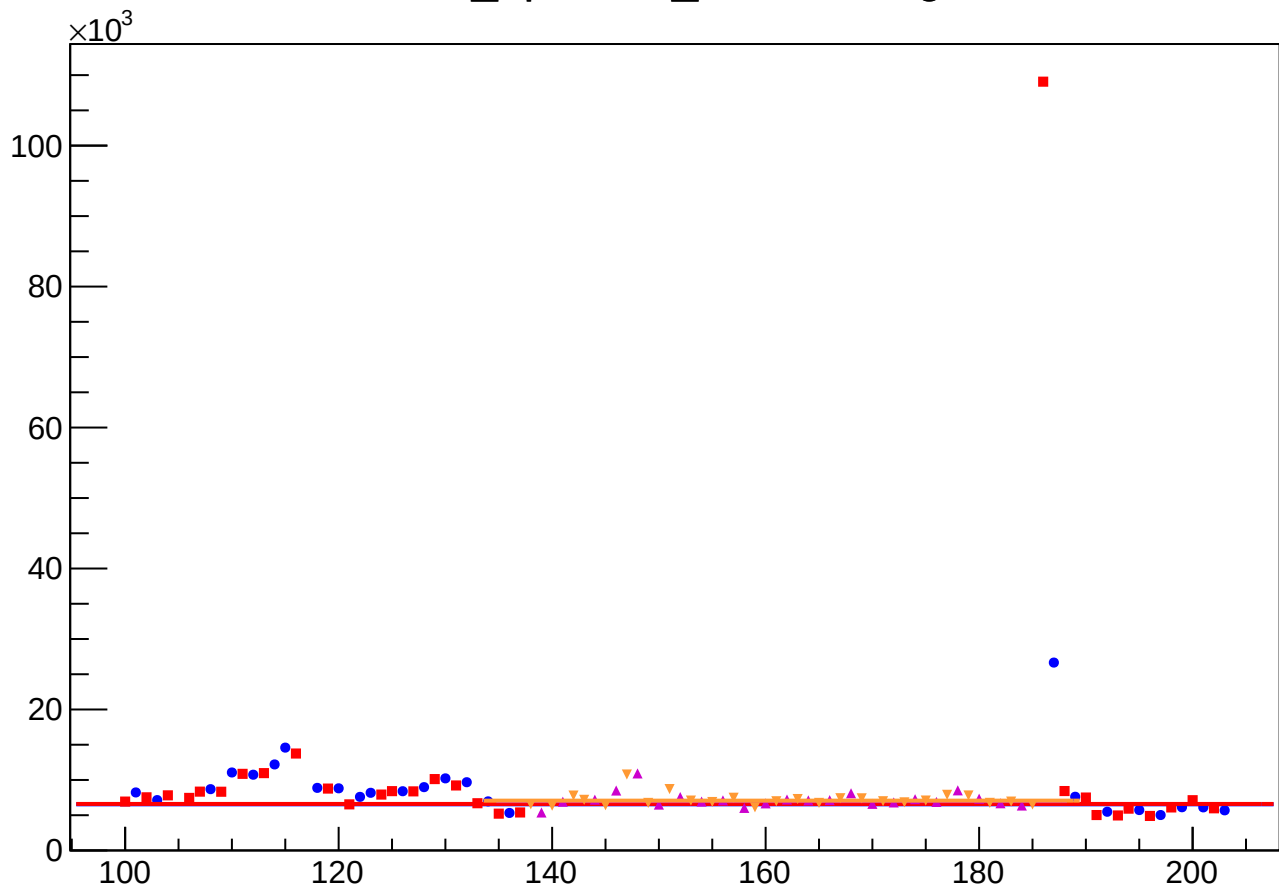
Left In: 1.394 $\pm$ 1.693 χ^2 /NDF:35.4/22

+ sign 2.772 $\pm$ 1.264 χ^2 /NDF: 41.6/49

All: 2.449 $\pm$ 0.893 χ^2 /NDF: 102.7/101

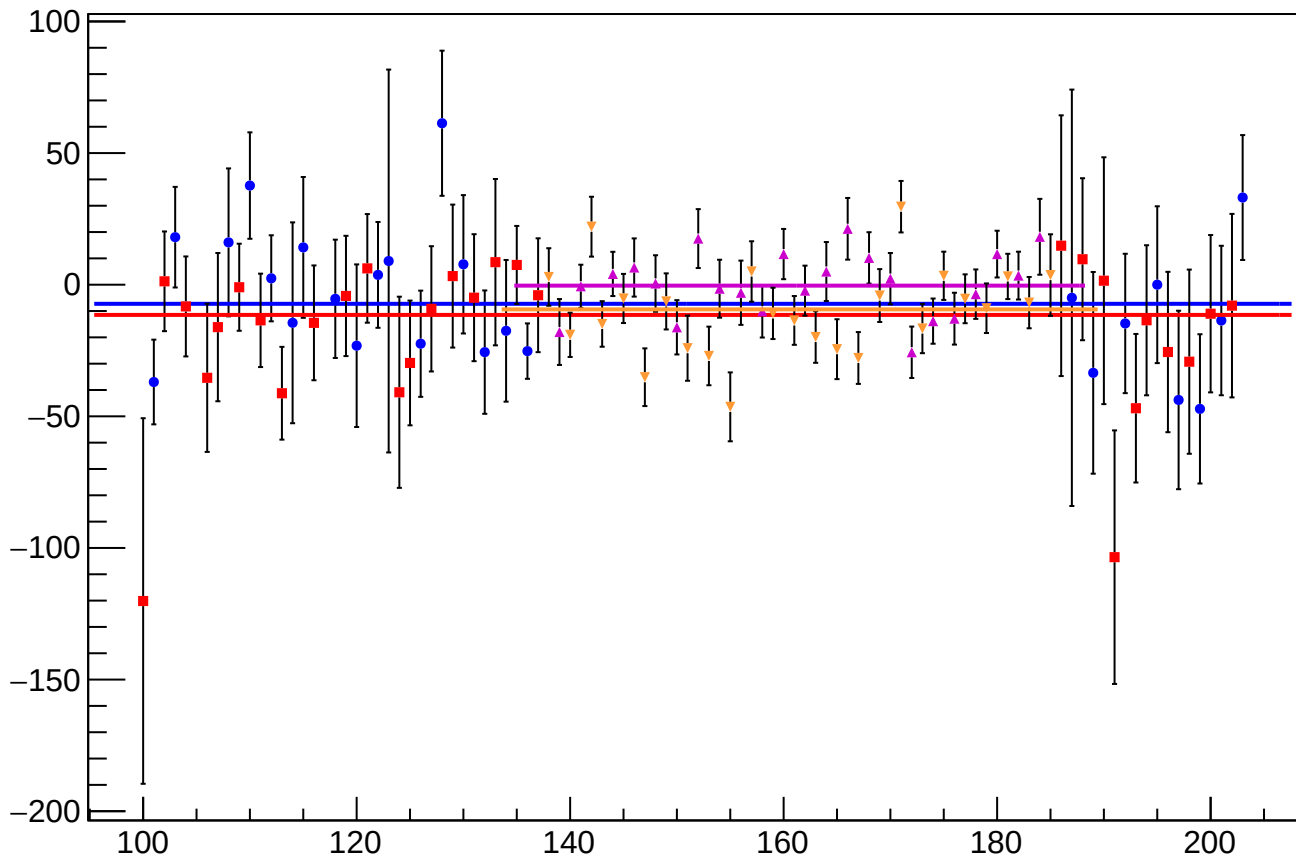
- sign 2.127 $\pm$ 1.262 χ^2 /NDF: 61.0/51

diff_bpm4aY_rms vs Slug



Right In: 6543.377 $\pm$ 1.380	χ^2/NDF : 1501801.1/24	+ sign 6847.307 $\pm$ 0.894	χ^2/NDF : 1972766.7/49
Left Out: 7066.826 $\pm$ 1.173	χ^2/NDF : 387449.8/24	All: 6834.657 $\pm$ 0.631	χ^2/NDF : 4665478.4/10
Right Out: 6598.988 $\pm$ 1.338	χ^2/NDF : 2092284.4/28	- sign 6822.048 $\pm$ 0.892	χ^2/NDF : 2692311.7/51
Left In: 7000.532 $\pm$ 1.197	χ^2/NDF : 550029.3/22		

diff_bpm4eX_mean vs Slug



Right In: -7.258 ± 4.573 χ^2/NDF : 29.9/24

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -11.475 ± 4.542 χ^2/NDF : 18.1/28

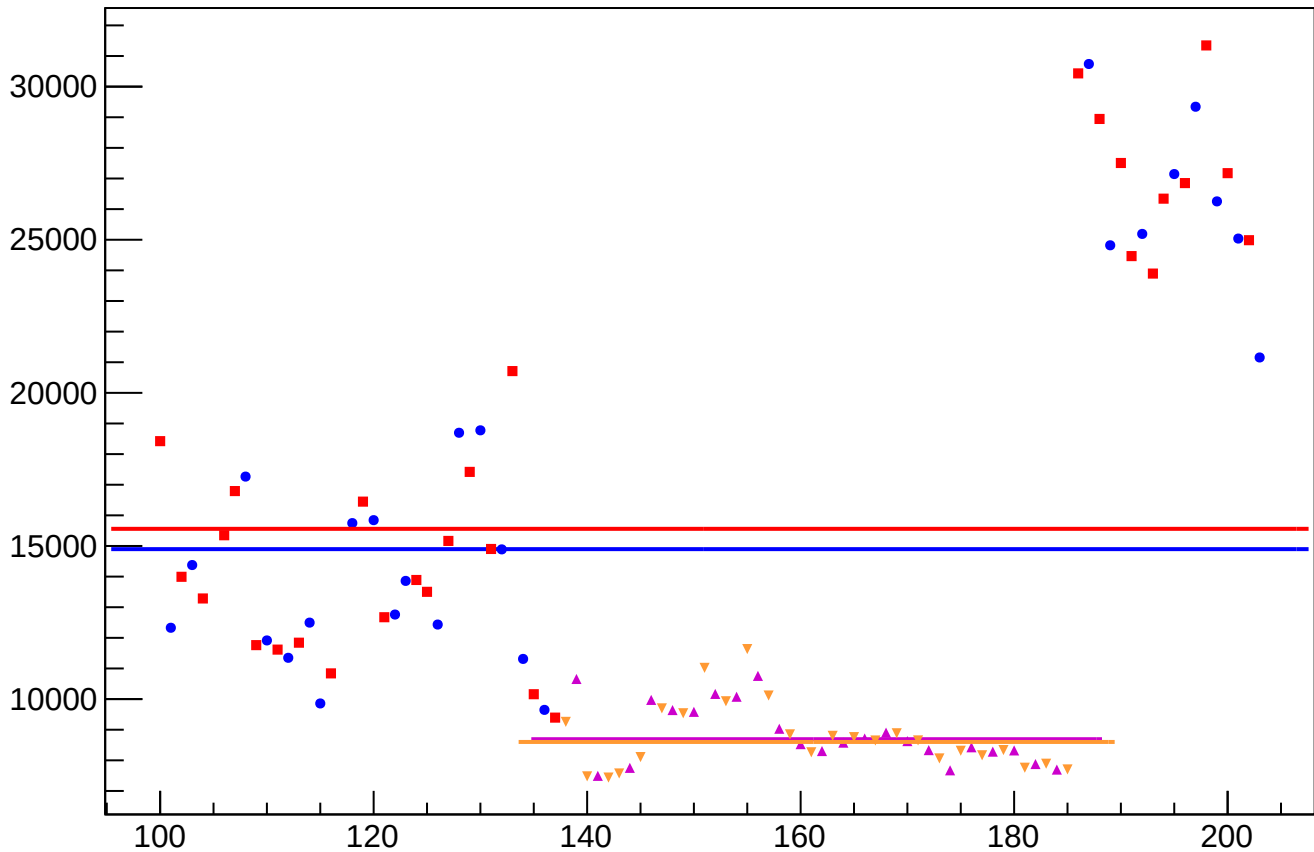
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.031 ± 1.846 χ^2/NDF : 88.5/49

All: -5.763 ± 1.324 χ^2/NDF : 147.7/101

- sign -2.300 ± 1.900 χ^2/NDF : 52.7/51

diff_bpm4eX_rms vs Slug



Right In: 14896.800 $\pm$ 3.234 χ^2/NDF : 2888697.4/24

Left Out: 8600.457 $\pm$ 1.427 χ^2/NDF : 438229.4/24

Right Out: 15559.996 $\pm$ 3.212 χ^2/NDF : 3339397.5/28

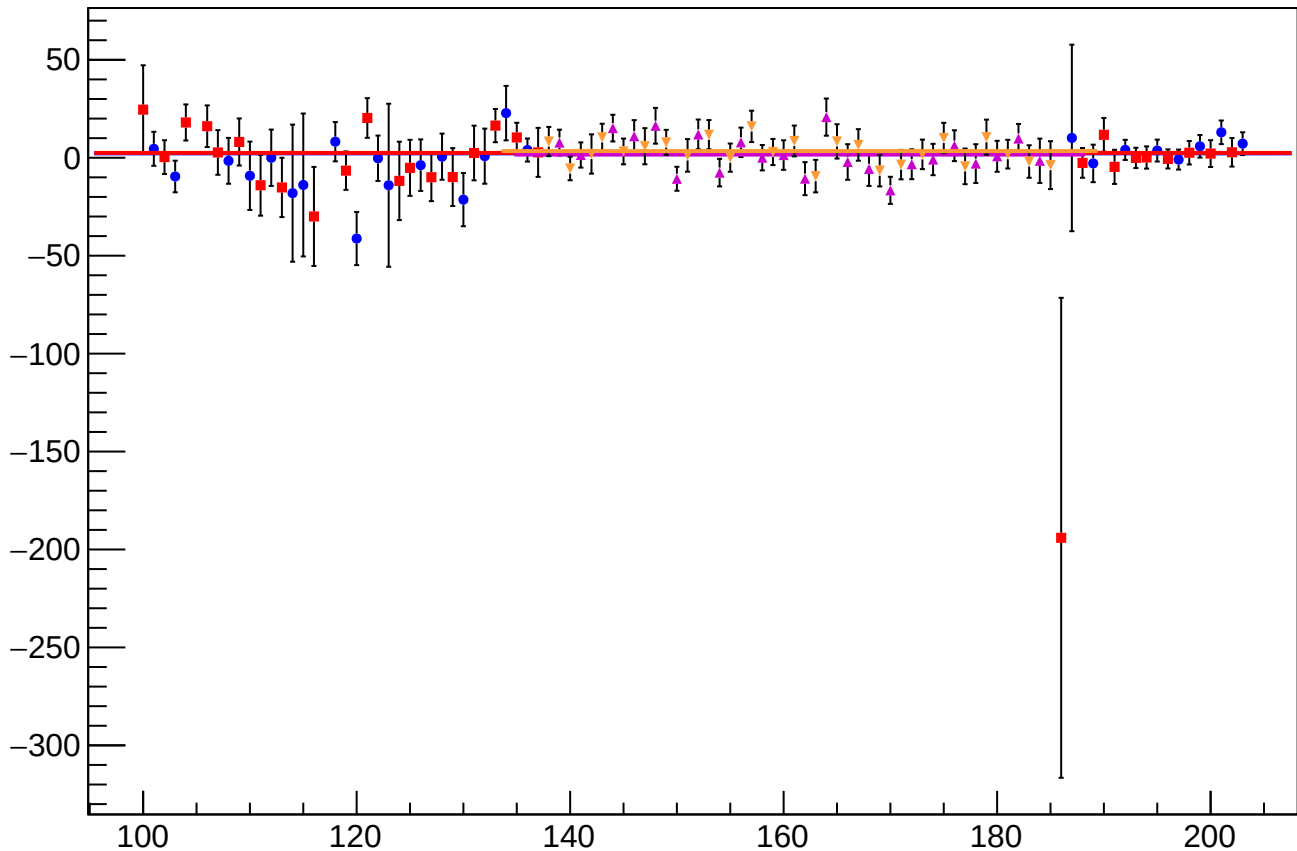
Left In: 8690.209 $\pm$ 1.479 χ^2/NDF : 370834.1/22

+ sign 9626.412 $\pm$ 1.305 χ^2/NDF : 6500226.5/49

All: 9755.665 $\pm$ 0.936 χ^2/NDF : 14004760.8/51

- sign 9892.628 $\pm$ 1.344 χ^2/NDF : 7484340.7/51

diff_bpm4eY_mean vs Slug



Right In: 2.250 $\pm$ 1.732 χ^2 /NDF: 24.8/24

Left Out: 3.406 $\pm$ 1.550 χ^2 /NDF:16.8/24

Right Out: 2.467 $\pm$ 1.655 χ^2 /NDF: 25.8/28

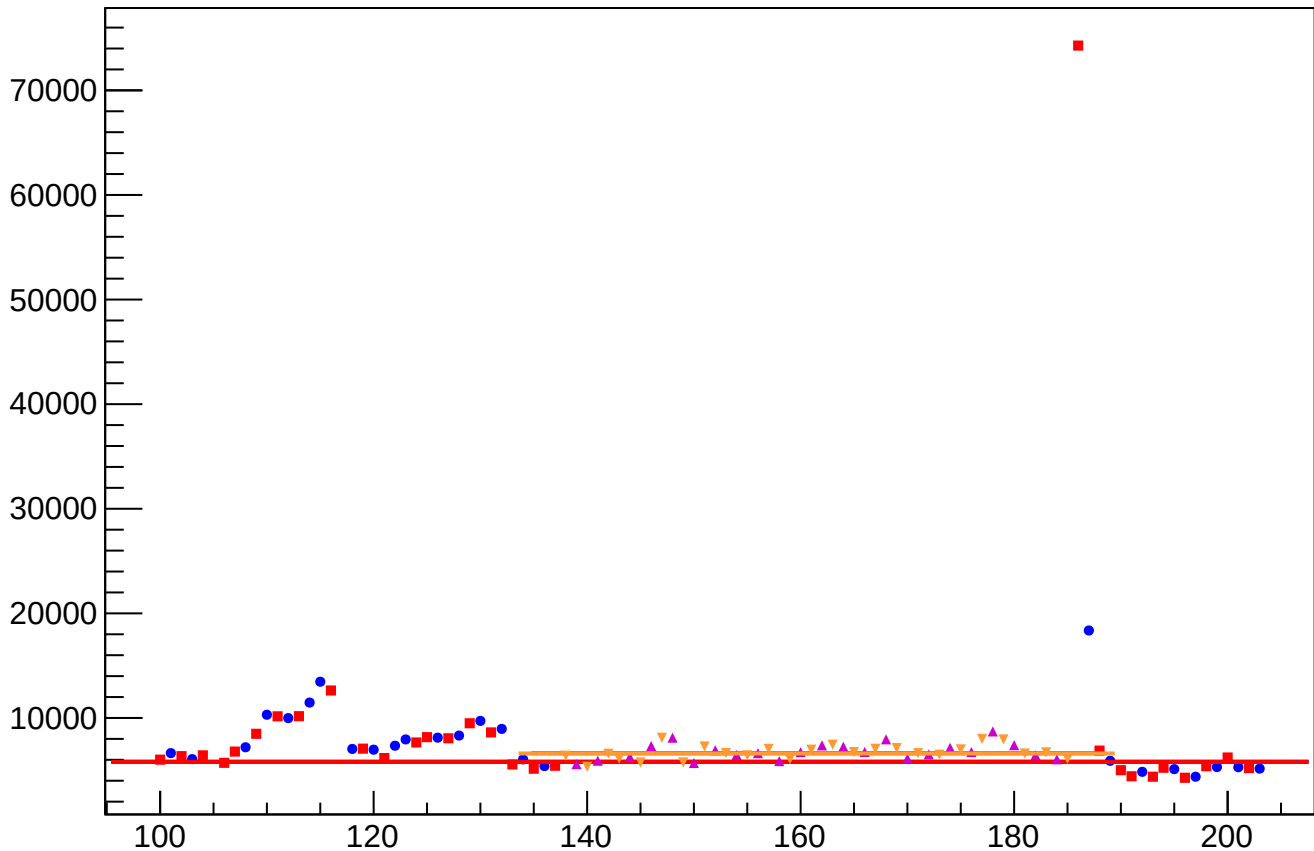
Left In: 1.627 $\pm$ 1.599 χ^2 /NDF:33.5/22

+ sign 2.892 $\pm$ 1.155 χ^2 /NDF: 41.9/49

All: 2.460 $\pm$ 0.815 χ^2 /NDF: 101.6/101

- sign 2.033 $\pm$ 1.150 χ^2 /NDF: 59.4/51

diff_bpm4eY_rms vs Slug



Right In: 5822.436+/-1.225 χ^2/NDF : 1454206.5/24

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 5794.402+/-1.170 χ^2/NDF : 2128537.9/28

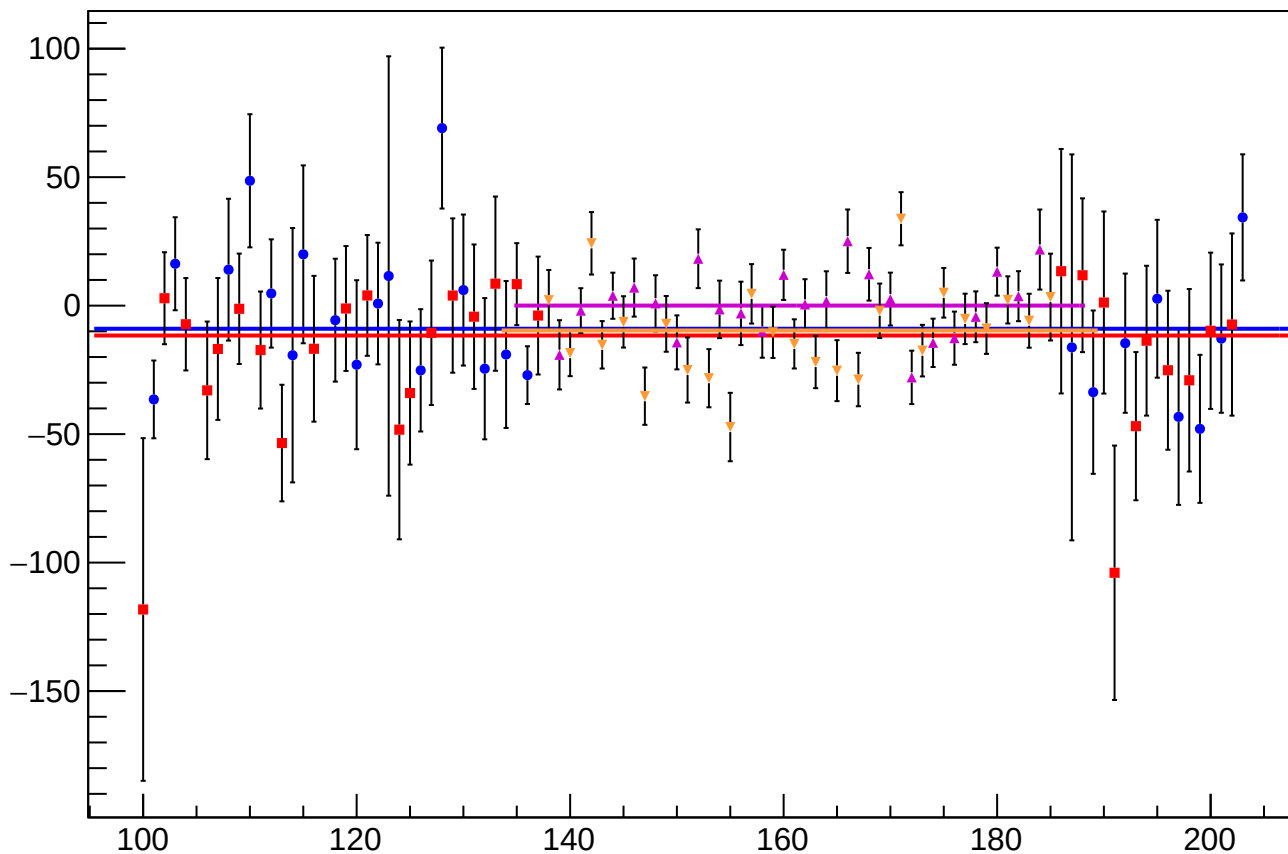
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6258.116+/-0.817 χ^2/NDF : 2080451.0/49

All: 6241.933+/-0.576 χ^2/NDF : 4902846.3/100

- sign 6225.896+/-0.813 χ^2/NDF : 2821613.9/51

diff_bpm4acX_mean vs Slug



Right In: -8.996 ± 4.924 χ^2/NDF : 29.2/24

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.622 ± 4.941 χ^2/NDF : 18.5/28

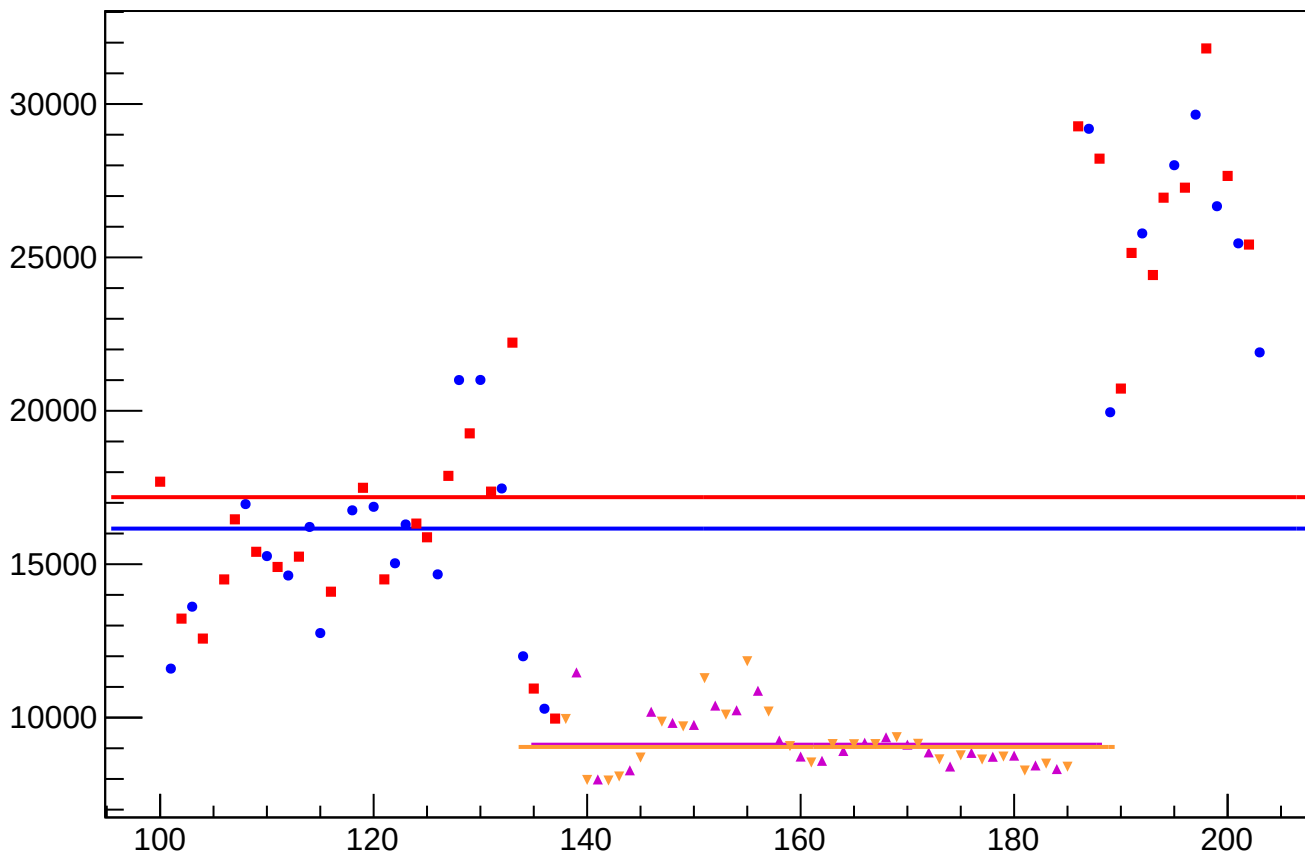
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.547 ± 1.946 χ^2/NDF : 89.1/49

All: -5.833 ± 1.396 χ^2/NDF : 150.3/101

- sign -1.895 ± 2.004 χ^2/NDF : 53.8/51

diff_bpm4acX_rms vs Slug



Right In: 16160.735 $\pm$ 3.482 χ^2 /NDF: 2497824.9/24

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

Right Out: 17185.151 $\pm$ 3.494 χ^2 /NDF: 2632652.6/28

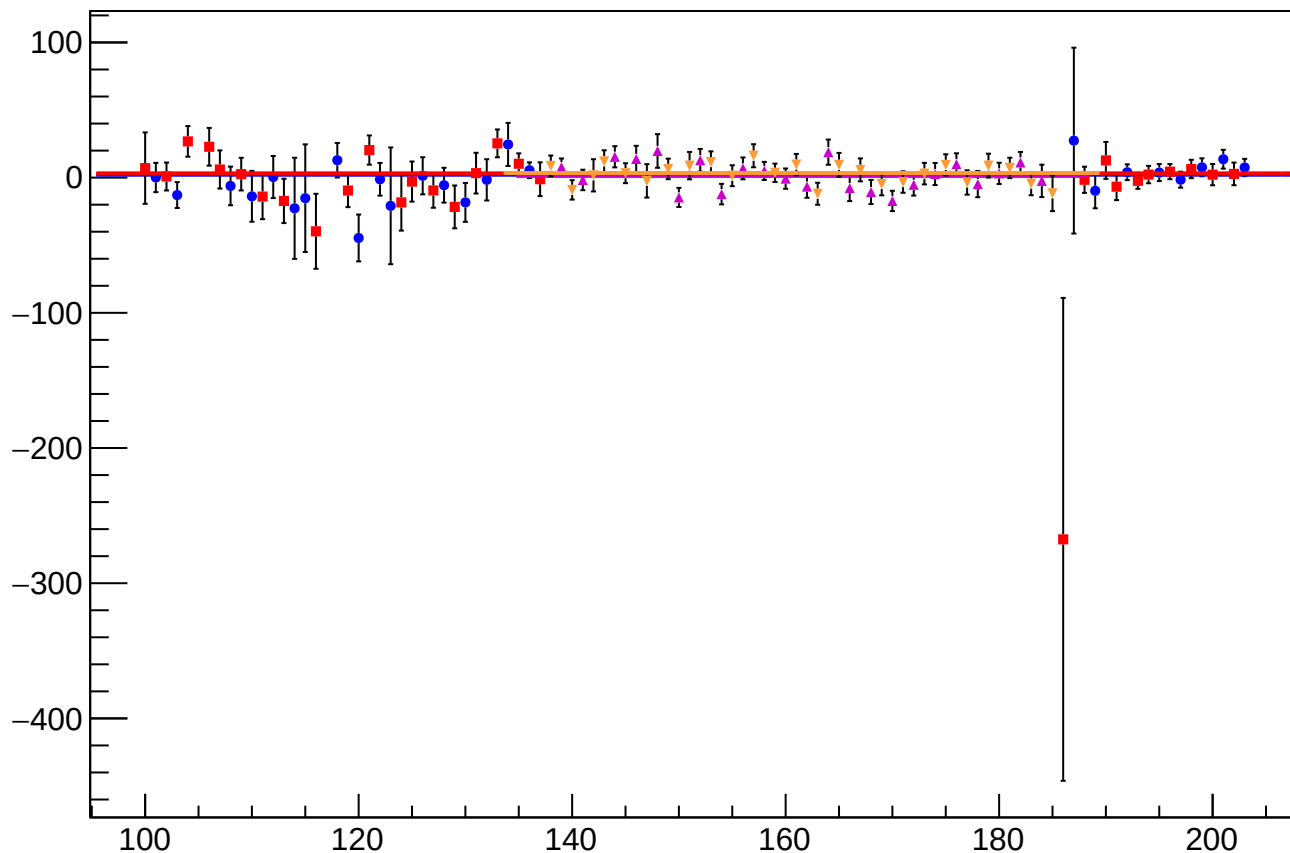
Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

+ sign 10154.983 $\pm$ 1.376 χ^2 /NDF: 6352200.5/49

All: 10295.164 $\pm$ 0.987 χ^2 /NDF: 13740001.2

- sign 10443.803 $\pm$ 1.417 χ^2 /NDF: 7366414.1/51

diff_bpm4acY_mean vs Slug



Right In: 2.177 $\pm$ 1.960 χ^2 /NDF: 22.9/24

Left Out: 3.439 $\pm$ 1.666 χ^2 /NDF:18.9/24

Right Out: 3.168 $\pm$ 1.901 χ^2 /NDF: 30.5/28

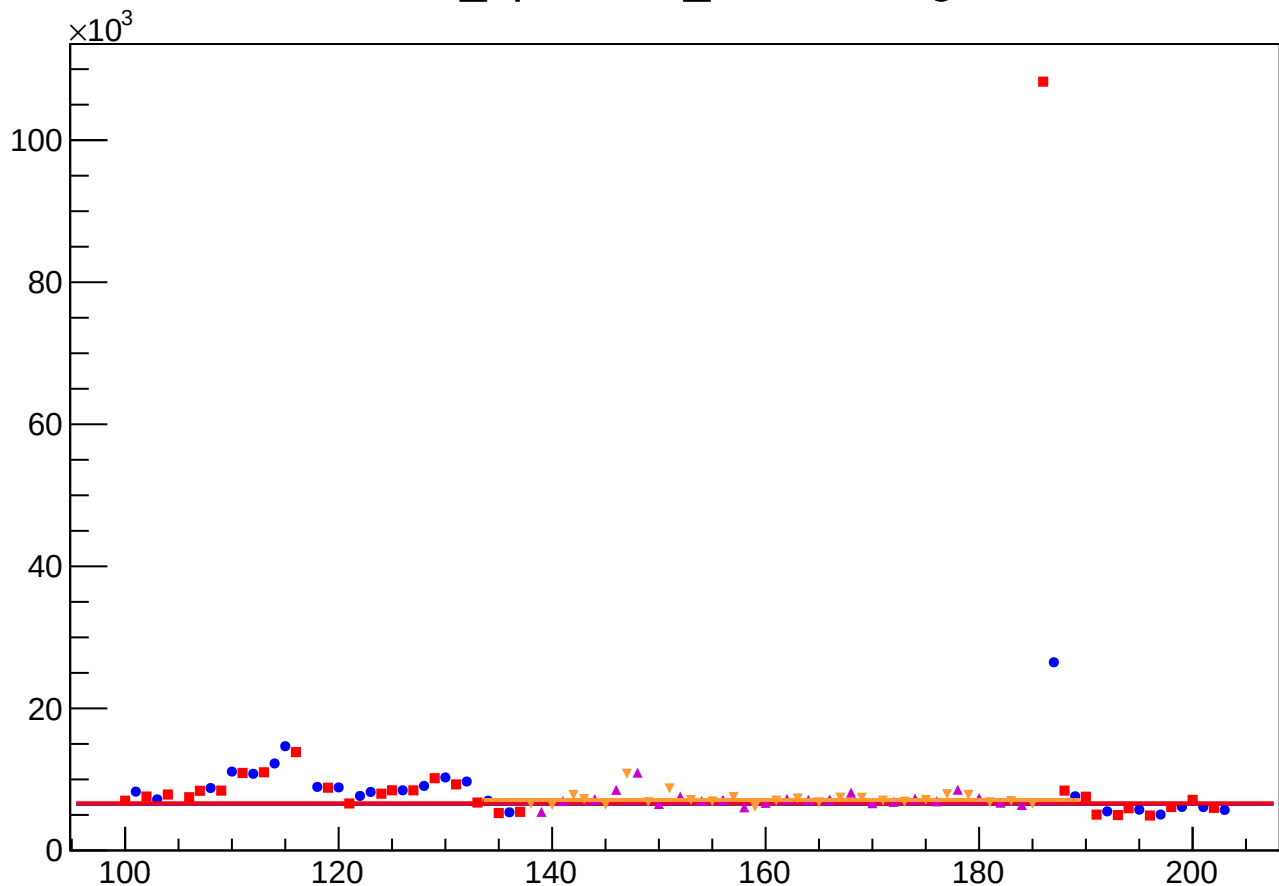
Left In: 1.291 $\pm$ 1.701 χ^2 /NDF:36.5/22

+ sign 2.910 $\pm$ 1.269 χ^2 /NDF: 42.1/49

All: 2.517 $\pm$ 0.897 χ^2 /NDF: 109.9/101

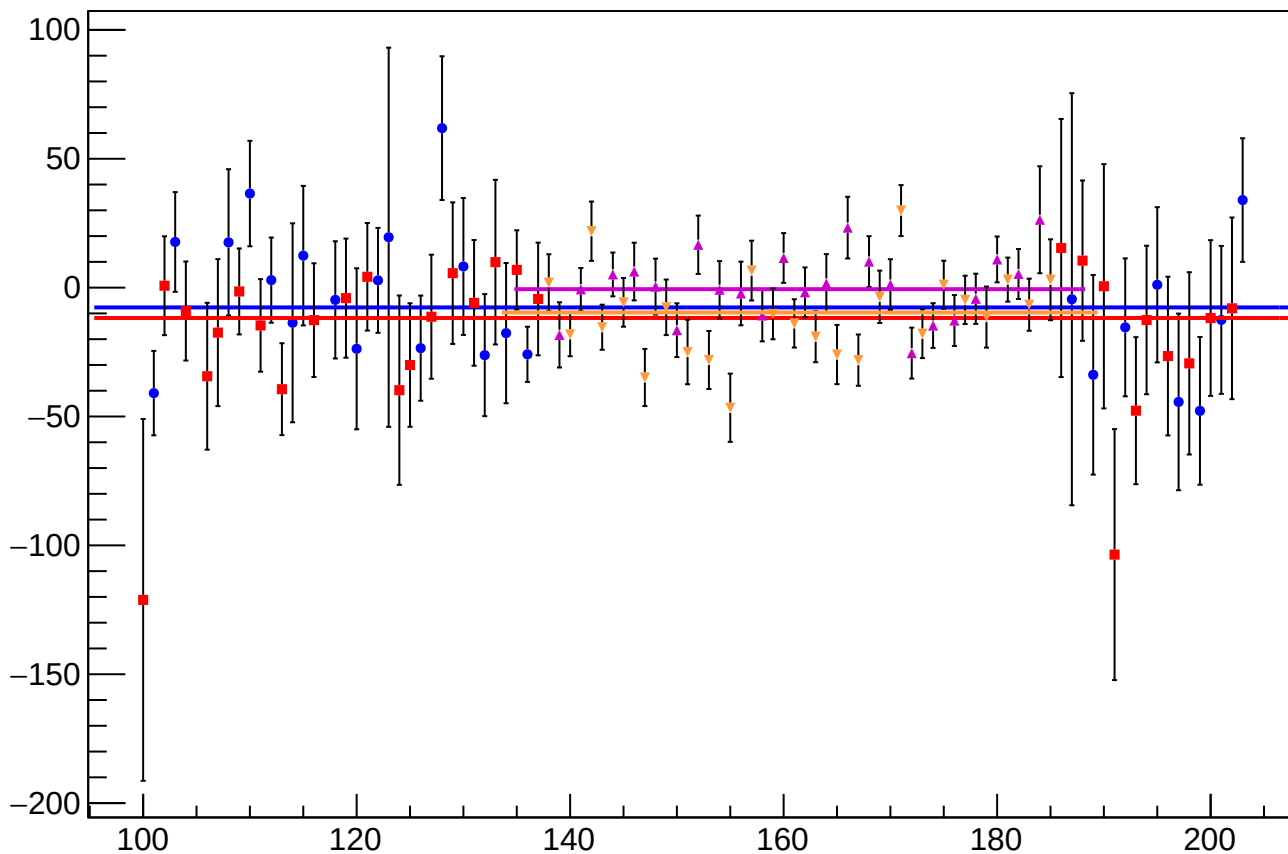
- sign 2.125 $\pm$ 1.268 χ^2 /NDF: 67.6/51

diff_bpm4acY_rms vs Slug



Right In: 6569.657 $\pm$ 1.386	χ^2/NDF : 1511444.6/24	+ sign 6876.774 $\pm$ 0.898	χ^2/NDF : 1978602.1/49
Left Out: 7098.726 $\pm$ 1.178	χ^2/NDF : 382550.4/24	All: 6865.467 $\pm$ 0.634	χ^2/NDF : 4666478.3/10
Right Out: 6629.843 $\pm$ 1.345	χ^2/NDF : 2096404.6/28	- sign 6854.190 $\pm$ 0.896	χ^2/NDF : 2687559.3/51
Left In: 7033.702 $\pm$ 1.203	χ^2/NDF : 541035.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -7.680 ± 4.633 χ^2/NDF : 30.6/24

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -11.766 ± 4.604 χ^2/NDF : 17.2/28

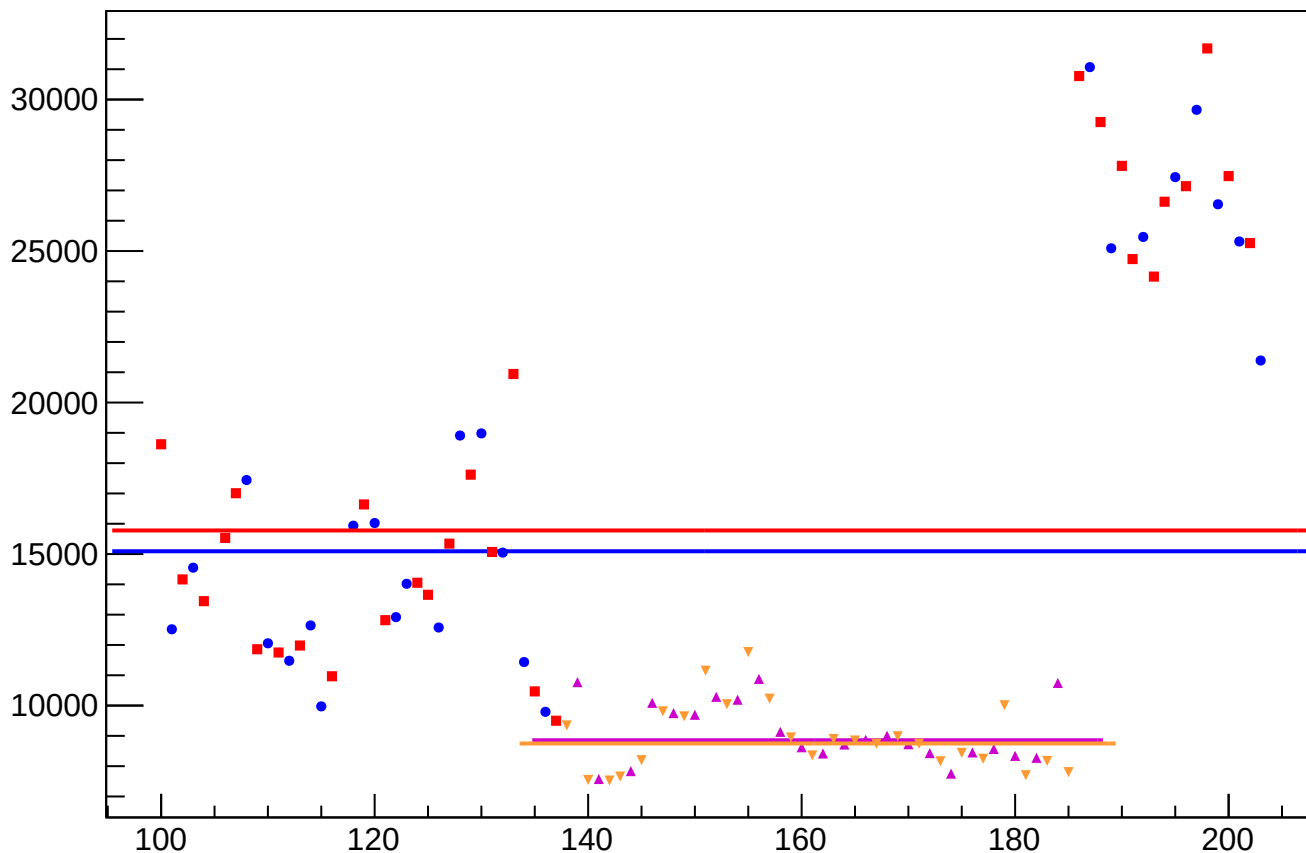
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.317 ± 1.880 χ^2/NDF : 88.4/49

All: -6.047 ± 1.349 χ^2/NDF : 146.3/101

- sign -2.576 ± 1.937 χ^2/NDF : 51.7/51

diff_bpm4ecX_rms vs Slug



Right In: 15092.051+/-3.276 χ^2/NDF : 2870574.8/24

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 15778.685+/-3.256 χ^2/NDF : 3307372.5/28

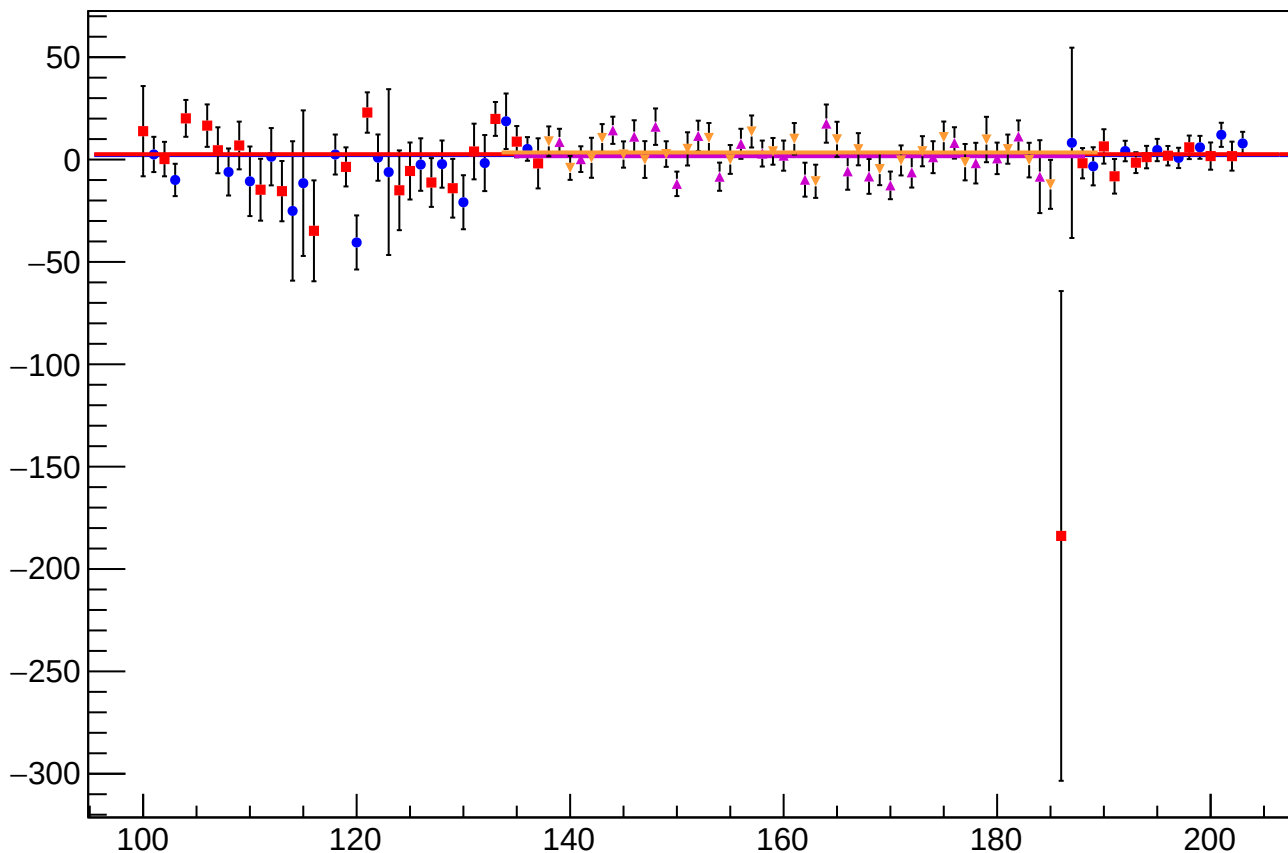
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9793.350+/-1.330 χ^2/NDF : 6466404.4/49

All: 9932.807+/-0.954 χ^2/NDF : 13885624.8/100

- sign 10080.803+/-1.370 χ^2/NDF : 7396541.2/51

diff_bpm4ecY_mean vs Slug



Right In: 2.187 $\pm$ 1.690 χ^2 /NDF: 25.0/24

Left Out: 3.473 $\pm$ 1.524 χ^2 /NDF:15.8/24

Right Out: 2.618 $\pm$ 1.614 χ^2 /NDF: 30.6/28

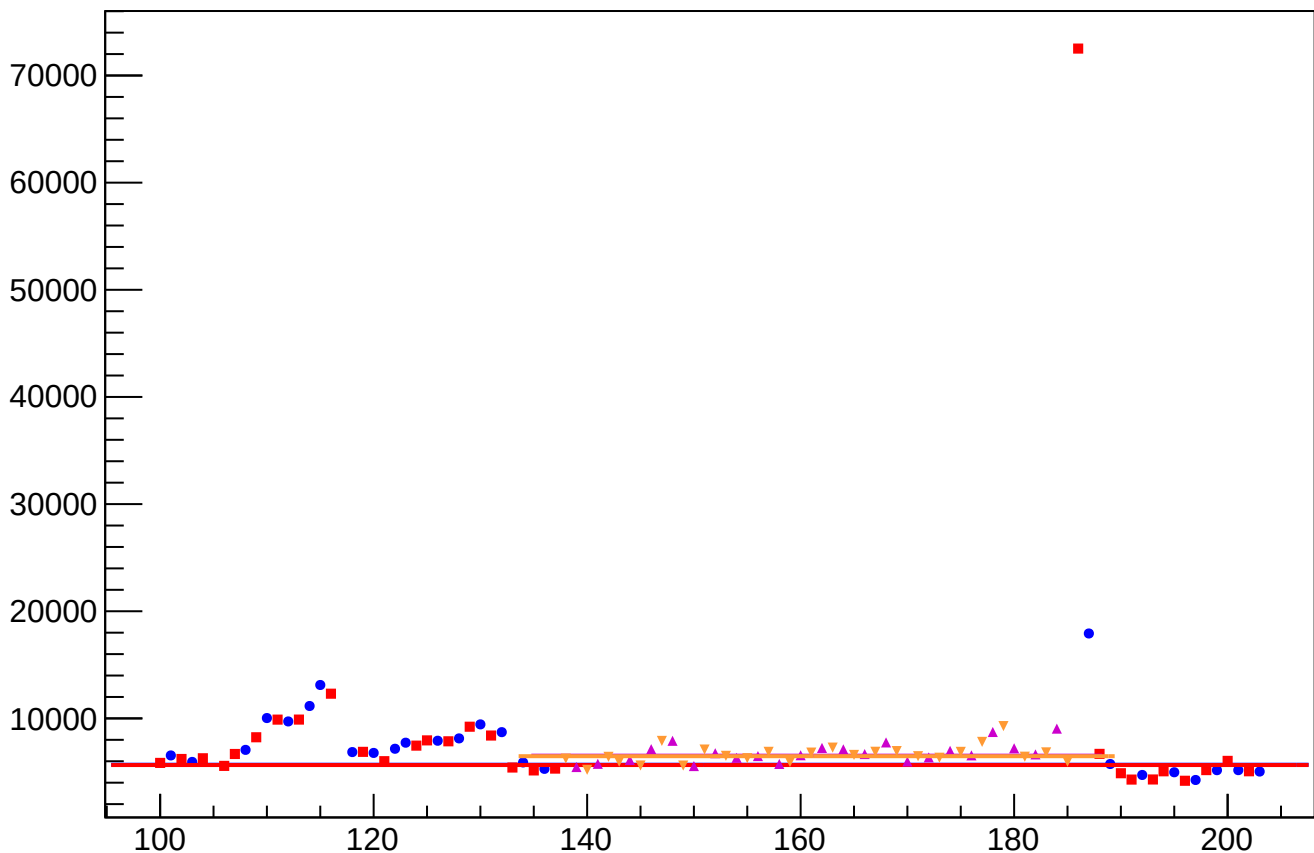
Left In: 1.638 $\pm$ 1.578 χ^2 /NDF:33.7/22

+ sign 2.896 $\pm$ 1.132 χ^2 /NDF: 41.1/49

All: 2.505 $\pm$ 0.799 χ^2 /NDF: 105.8/101

- sign 2.117 $\pm$ 1.128 χ^2 /NDF: 64.5/51

diff_bpm4ecY_rms vs Slug



Right In: 5676.444 ± 1.195 $\chi^2/\text{NDF}: 1461406.3/24$

Left Out: 6471.976 ± 1.078 $\chi^2/\text{NDF}: 490282.9/24$

Right Out: 5646.566 ± 1.141 $\chi^2/\text{NDF}: 2119462.2/28$

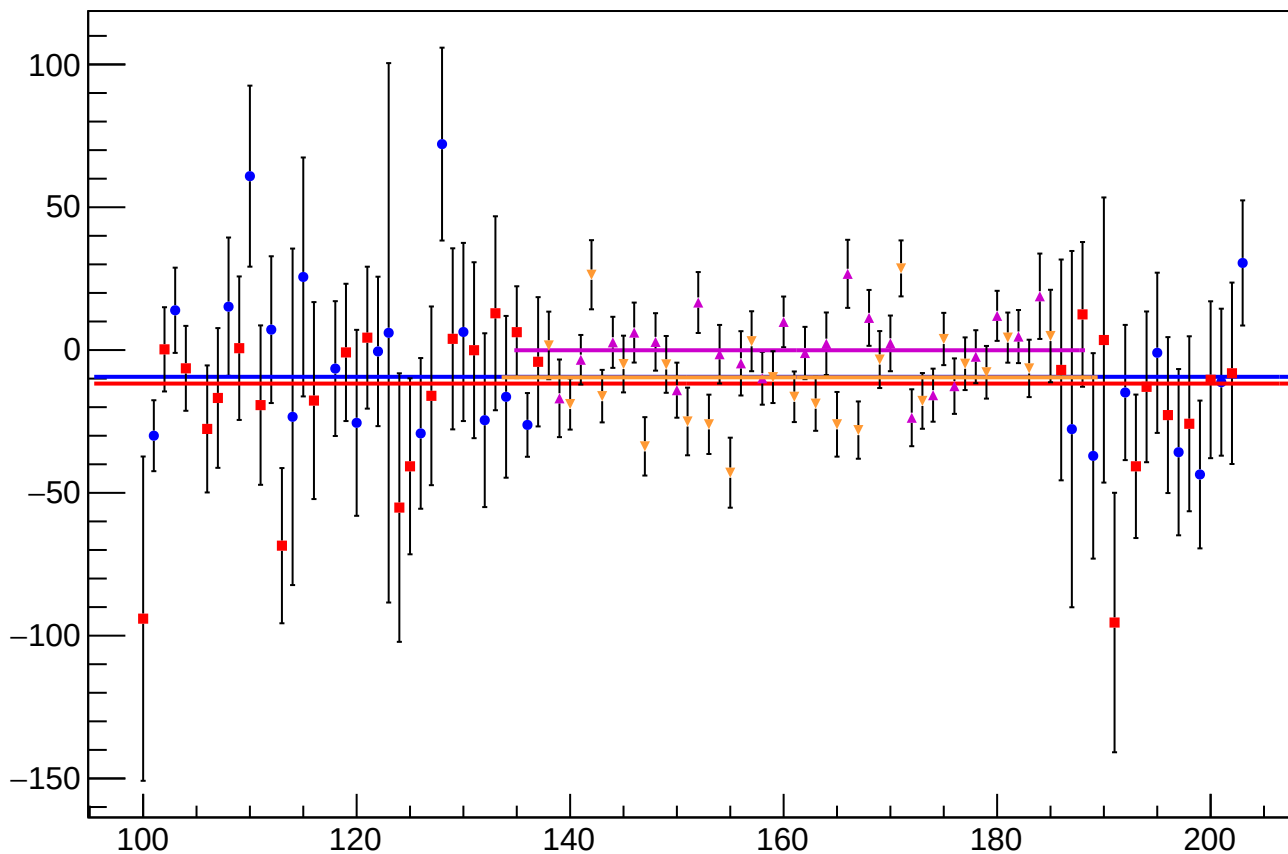
Left In: 6521.975 ± 1.116 $\chi^2/\text{NDF}: 480034.7/22$

+ sign 6115.109 ± 0.800 $\chi^2/\text{NDF}: 2196062.6/49$

All: 6104.572 ± 0.565 $\chi^2/\text{NDF}: 5096794.9/10$

- sign 6094.103 ± 0.798 $\chi^2/\text{NDF}: 2900386.7/51$

diff_bpm1X_mean vs Slug



Right In: -9.371 ± 4.745 $\chi^2/\text{NDF}: 28.6/24$

Left Out: -9.554 ± 2.012 $\chi^2/\text{NDF}: 59.5/24$

Right Out: -11.738 ± 4.786 $\chi^2/\text{NDF}: 18.9/28$

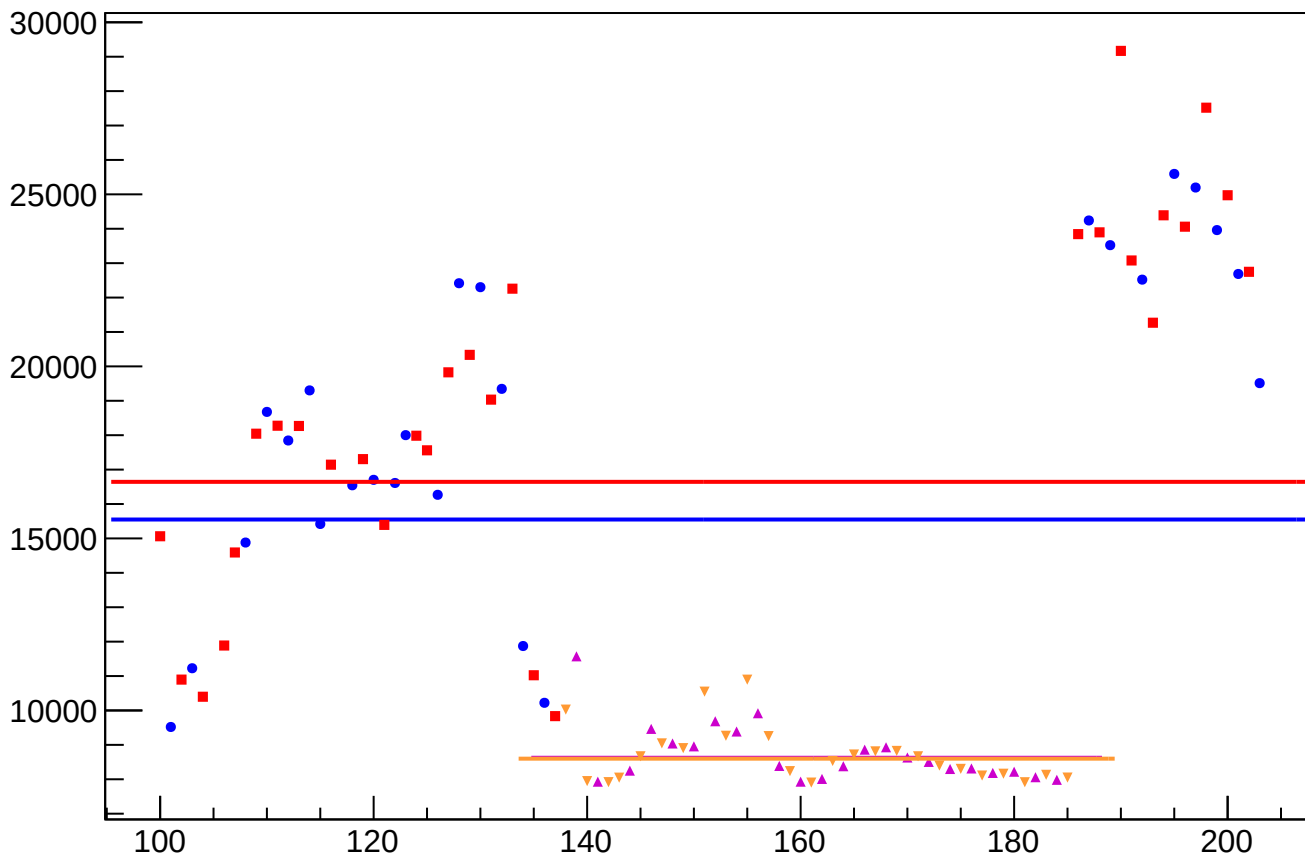
Left In: -0.072 ± 2.073 $\chi^2/\text{NDF}: 29.8/22$

+ sign -9.526 ± 1.852 $\chi^2/\text{NDF}: 88.2/49$

All: -5.821 ± 1.327 $\chi^2/\text{NDF}: 150.2/101$

- sign -1.915 ± 1.902 $\chi^2/\text{NDF}: 53.8/51$

diff_bpm1X_rms vs Slug



Right In: 15549.315 $\pm$ 3.355 χ^2 /NDF: 2610844.9/24

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 16644.246 $\pm$ 3.384 χ^2 /NDF: 2631414.2/28

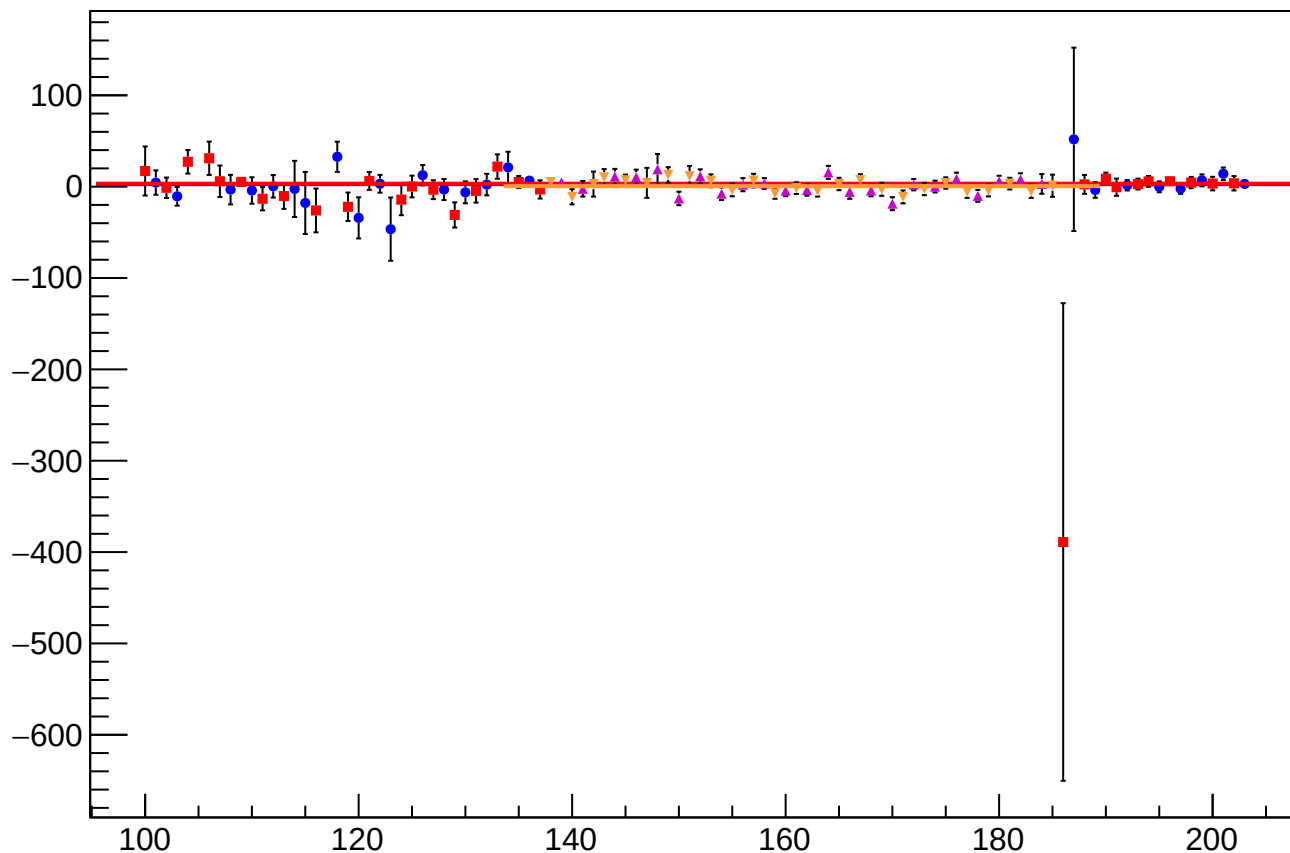
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 9657.885 $\pm$ 1.310 χ^2 /NDF: 6496875.7/49

All: 9771.810 $\pm$ 0.938 χ^2 /NDF: 14109856.8/1

- sign 9891.946 $\pm$ 1.345 χ^2 /NDF: 7597435.2/51

diff_bpm1Y_mean vs Slug



Right In: 2.756 $\pm$ 1.789 χ^2 /NDF: 18.9/24

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.235 $\pm$ 1.660 χ^2 /NDF: 27.3/28

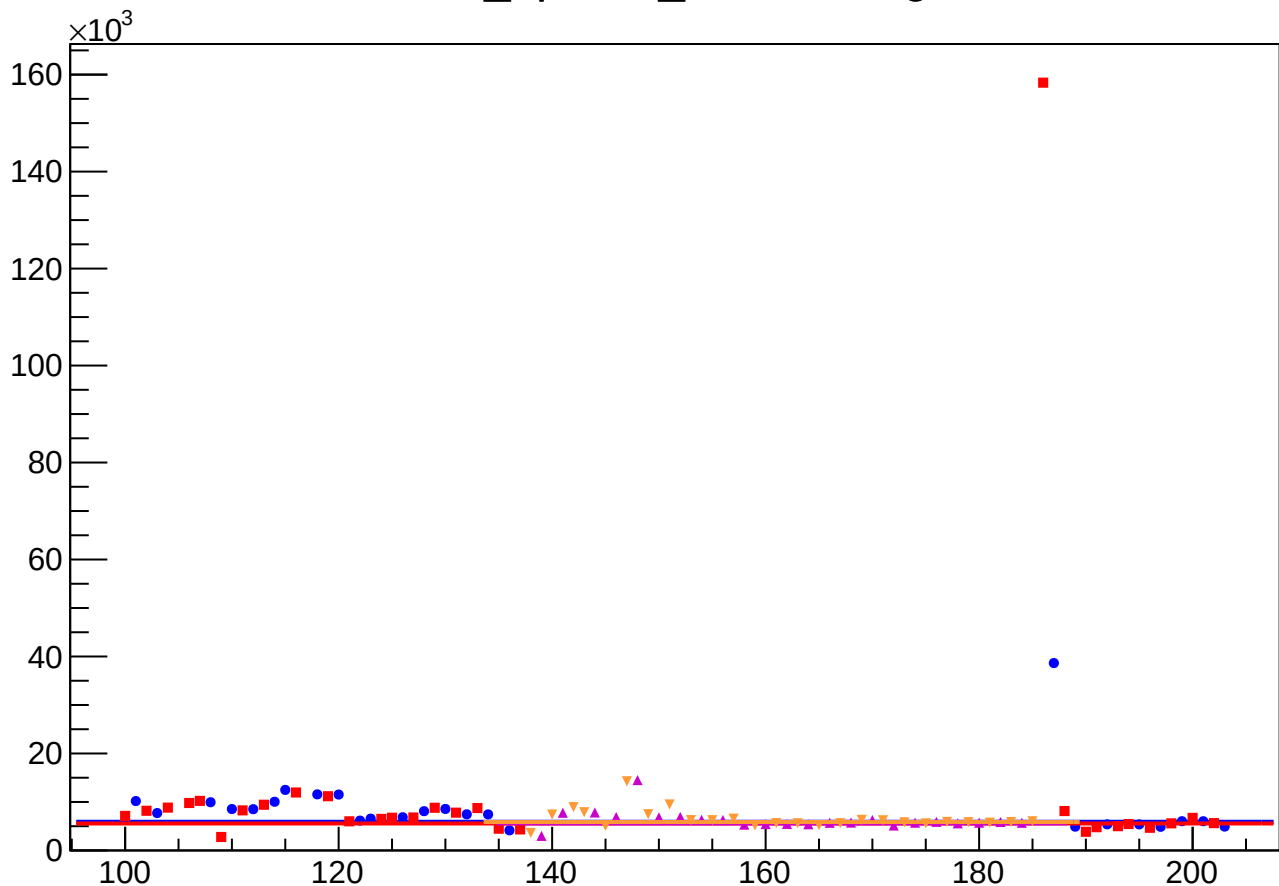
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.387 $\pm$ 1.111 χ^2 /NDF: 39.4/49

All: 1.682 $\pm$ 0.770 χ^2 /NDF: 100.3/101

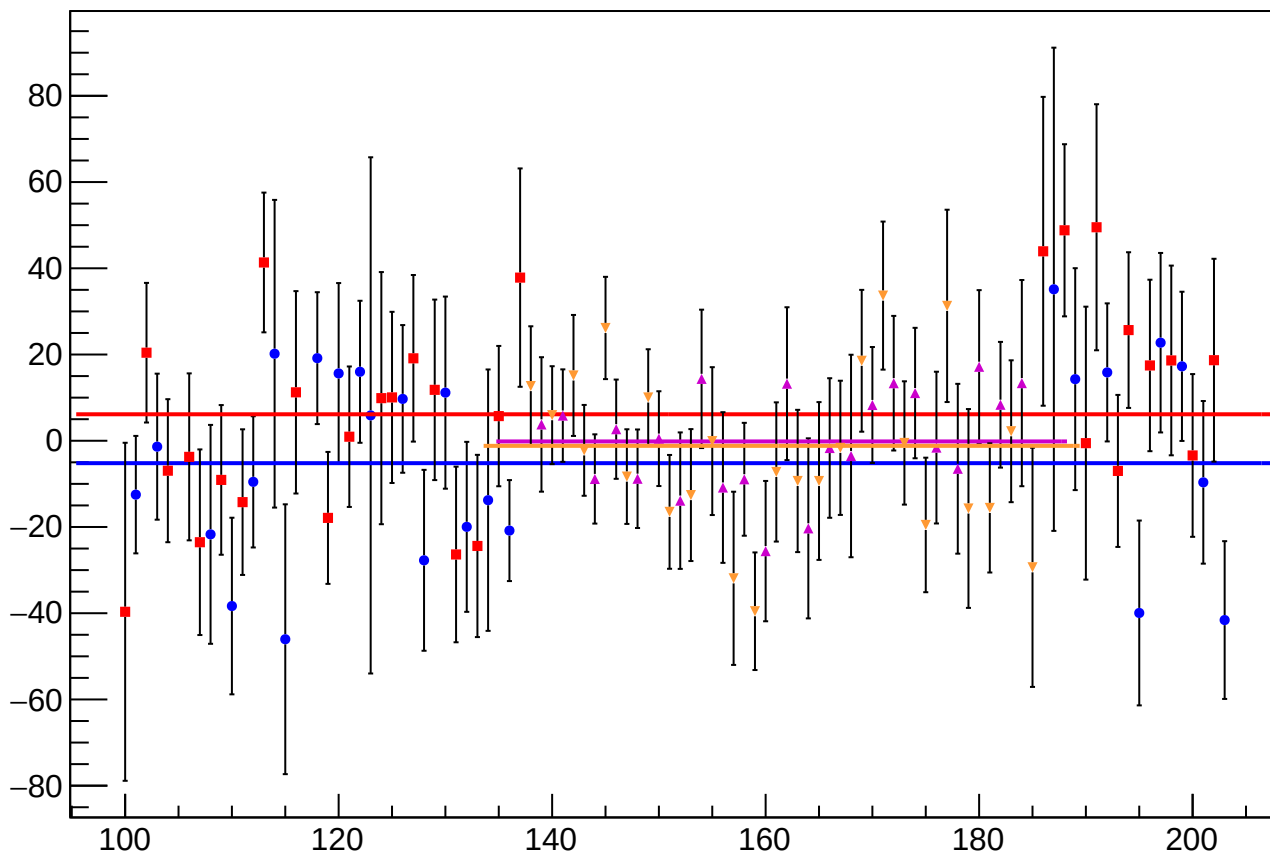
- sign 1.955 $\pm$ 1.068 χ^2 /NDF: 60.8/51

diff_bpm1Y_rms vs Slug



Right In: 5919.717 ± 1.265 $\chi^2/\text{NDF}: 1959060.3/24$ + sign 5883.408 ± 0.786 $\chi^2/\text{NDF}: 3650450.9/49$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$ All: 5719.082 ± 0.544 $\chi^2/\text{NDF}: 9283010.9/10$
 Right Out: 5561.308 ± 1.174 $\chi^2/\text{NDF}: 3385535.8/28$ - sign 5567.180 ± 0.755 $\chi^2/\text{NDF}: 5548366.8/51$
 Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

diff_bpm11X_mean vs Slug



Right In: -5.198 ± 3.850 χ^2/NDF : 28.7/24

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 6.142 ± 3.699 χ^2/NDF : 32.2/28

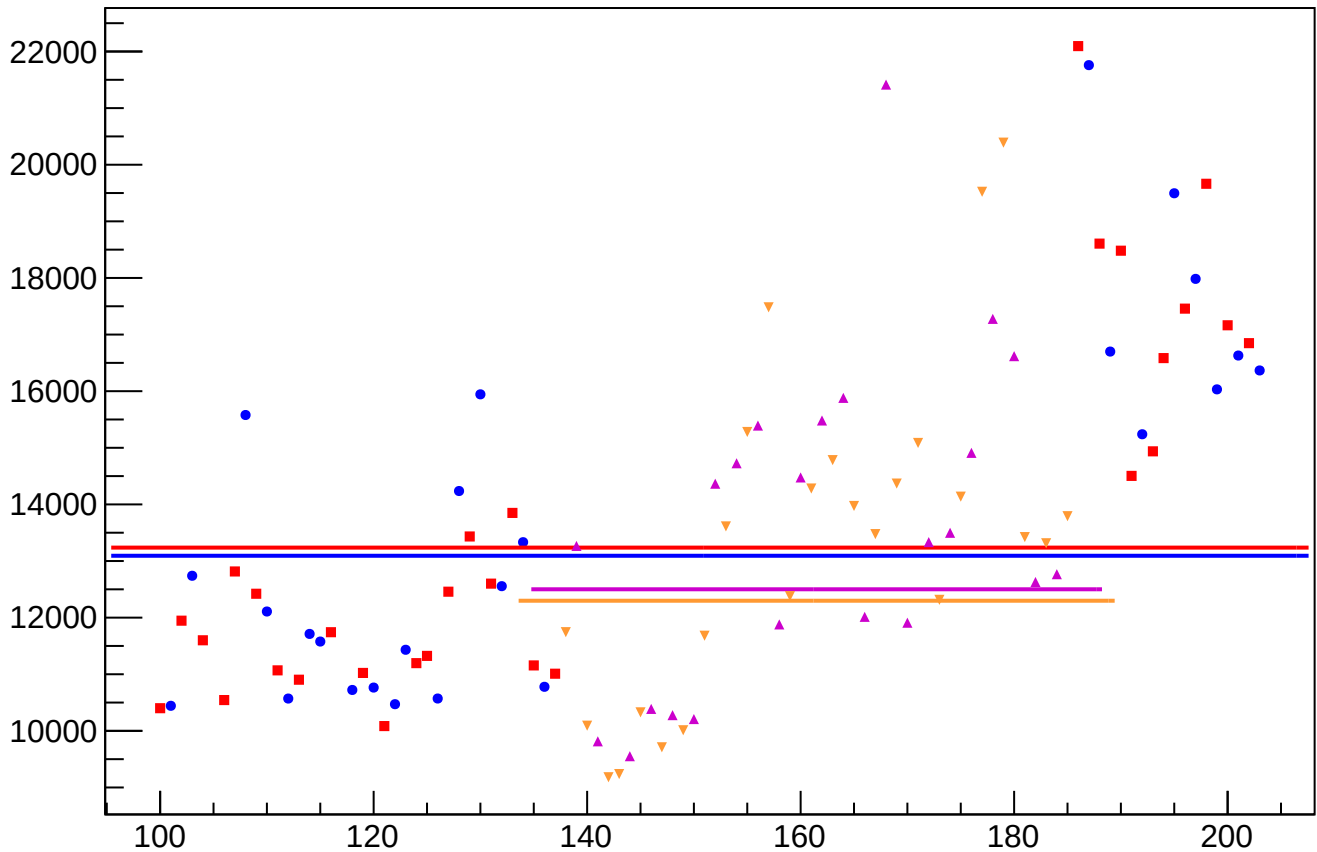
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.660 ± 2.336 χ^2/NDF : 63.1/49

All: -0.153 ± 1.659 χ^2/NDF : 110.9/101

- sign 2.400 ± 2.357 χ^2/NDF : 45.5/51

diff_bpm11X_rms vs Slug



Right In: 13092.906 $\pm$ 2.722 χ^2 /NDF: 1053782.0/24

Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF:1506026.8/24

Right Out: 13236.934 $\pm$ 2.616 χ^2 /NDF: 1177195.6/28

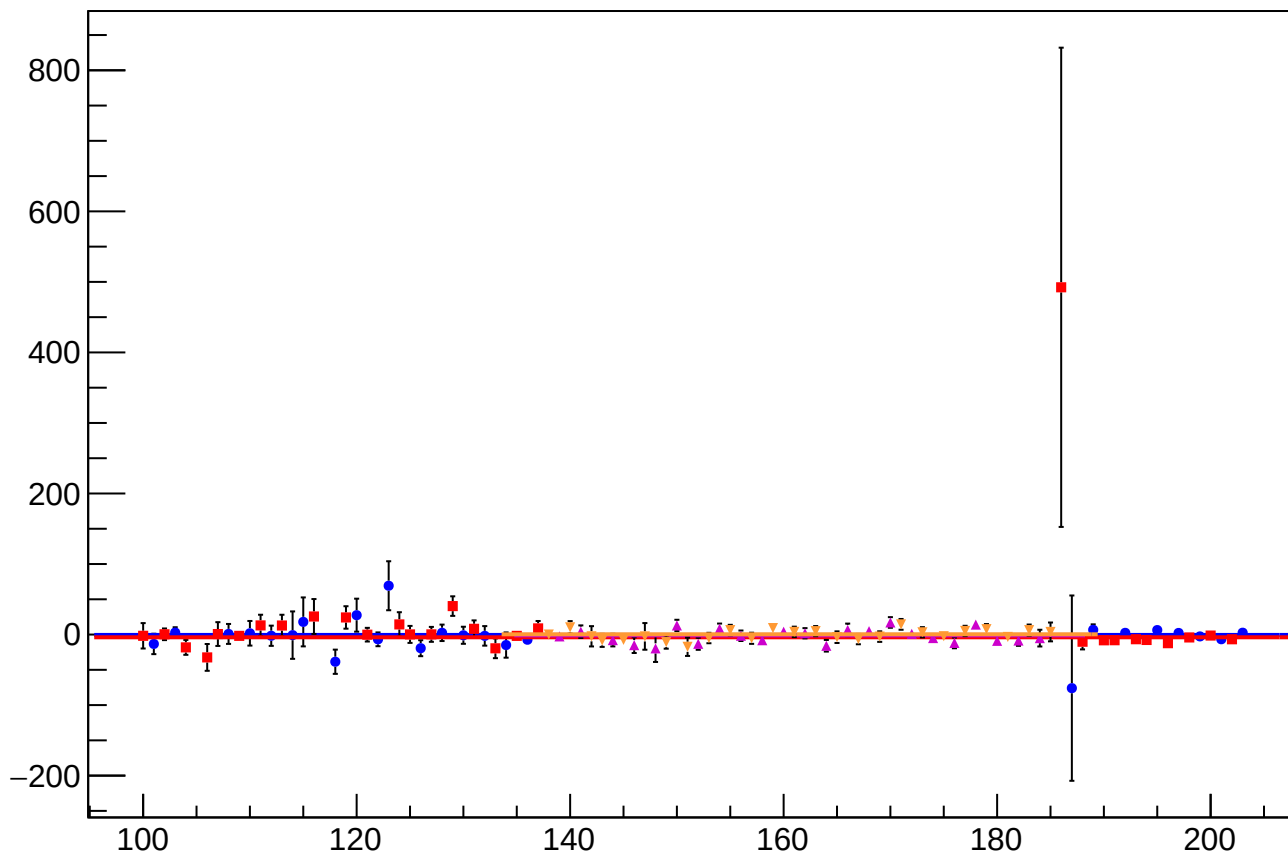
Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF:1357889.1/22

+ sign 12591.065 $\pm$ 1.652 χ^2 /NDF: 2613584.2/49

All: 12694.428 $\pm$ 1.173 χ^2 /NDF: 5203619.8/1

- sign 12799.644 $\pm$ 1.667 χ^2 /NDF: 2582134.5/51

diff_bpm11Y_mean vs Slug



Right In: -0.533 ± 1.579 χ^2/NDF : 23.4/24

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.889 ± 1.499 χ^2/NDF : 34.4/28

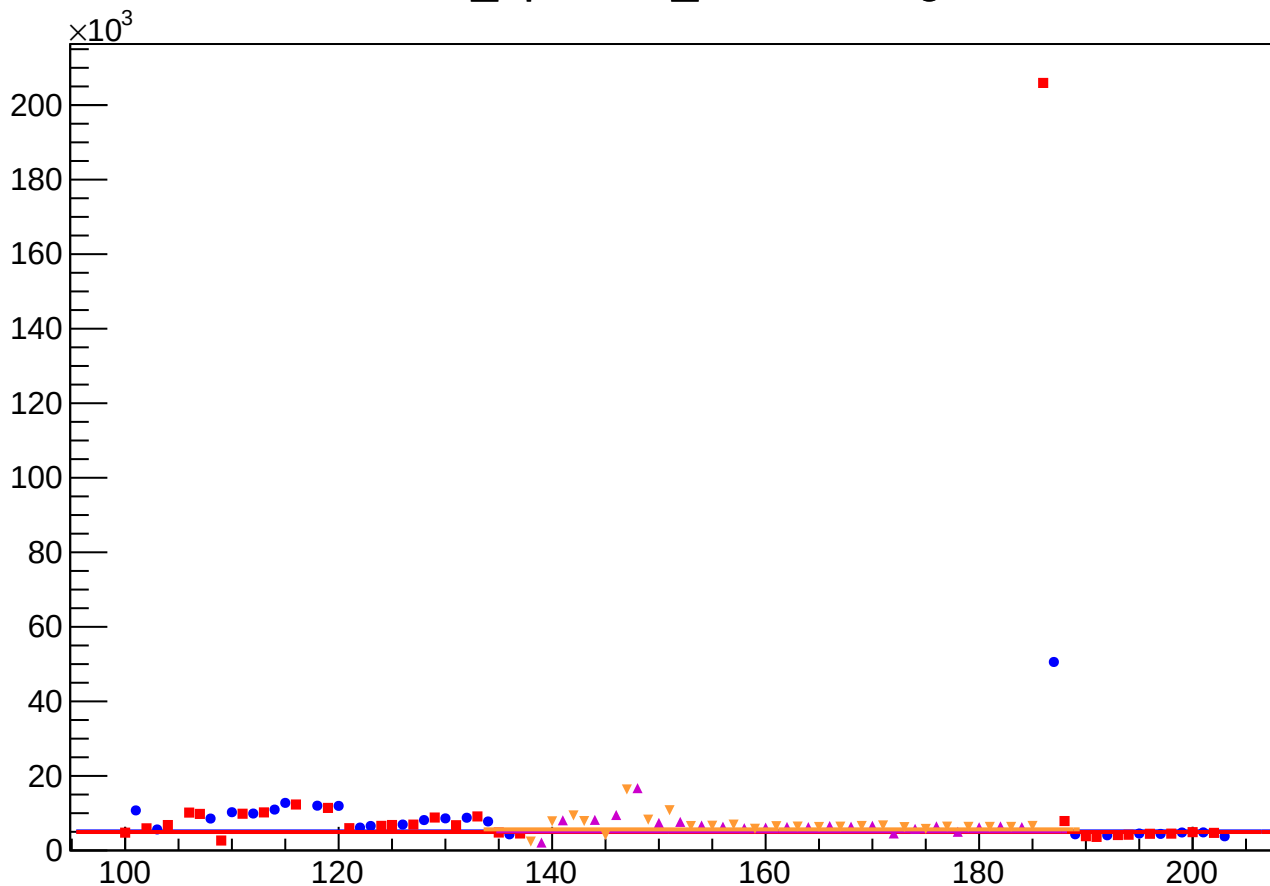
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign -0.047 ± 1.061 χ^2/NDF : 42.7/49

All: -1.283 ± 0.732 χ^2/NDF : 115.1/101

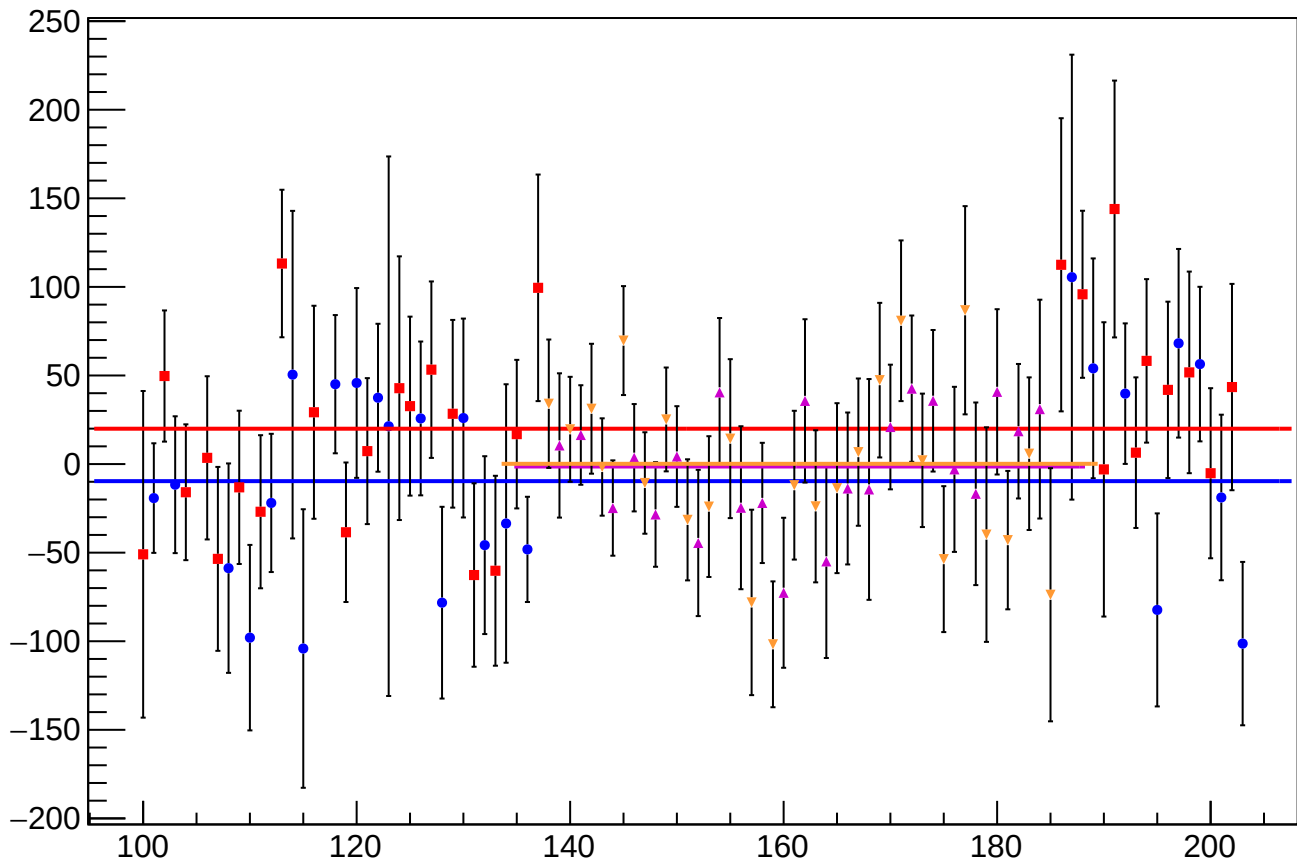
- sign -2.406 ± 1.012 χ^2/NDF : 69.8/51

diff_bpm11Y_rms vs Slug



Right In: 5112.454 $\pm$ 1.116 χ^2/NDF : 2741772.9/24 + sign 5412.276 $\pm$ 0.750 χ^2/NDF : 7001957.9/49
 Left Out: 5659.441 $\pm$ 1.014 χ^2/NDF : 4128583.6/24 All: 5223.259 $\pm$ 0.518 χ^2/NDF : 16132054.4/1
 Right Out: 4948.220 $\pm$ 1.060 χ^2/NDF : 3495950.3/28 - sign 5051.416 $\pm$ 0.716 χ^2/NDF : 9008967.3/51
 Left In: 5137.772 $\pm$ 0.970 χ^2/NDF : 5495609.7/22

diff_bpm12X_mean vs Slug



Right In: -9.636 ± 9.574 χ^2/NDF : 28.6/24

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 19.957 ± 9.209 χ^2/NDF : 28.9/28

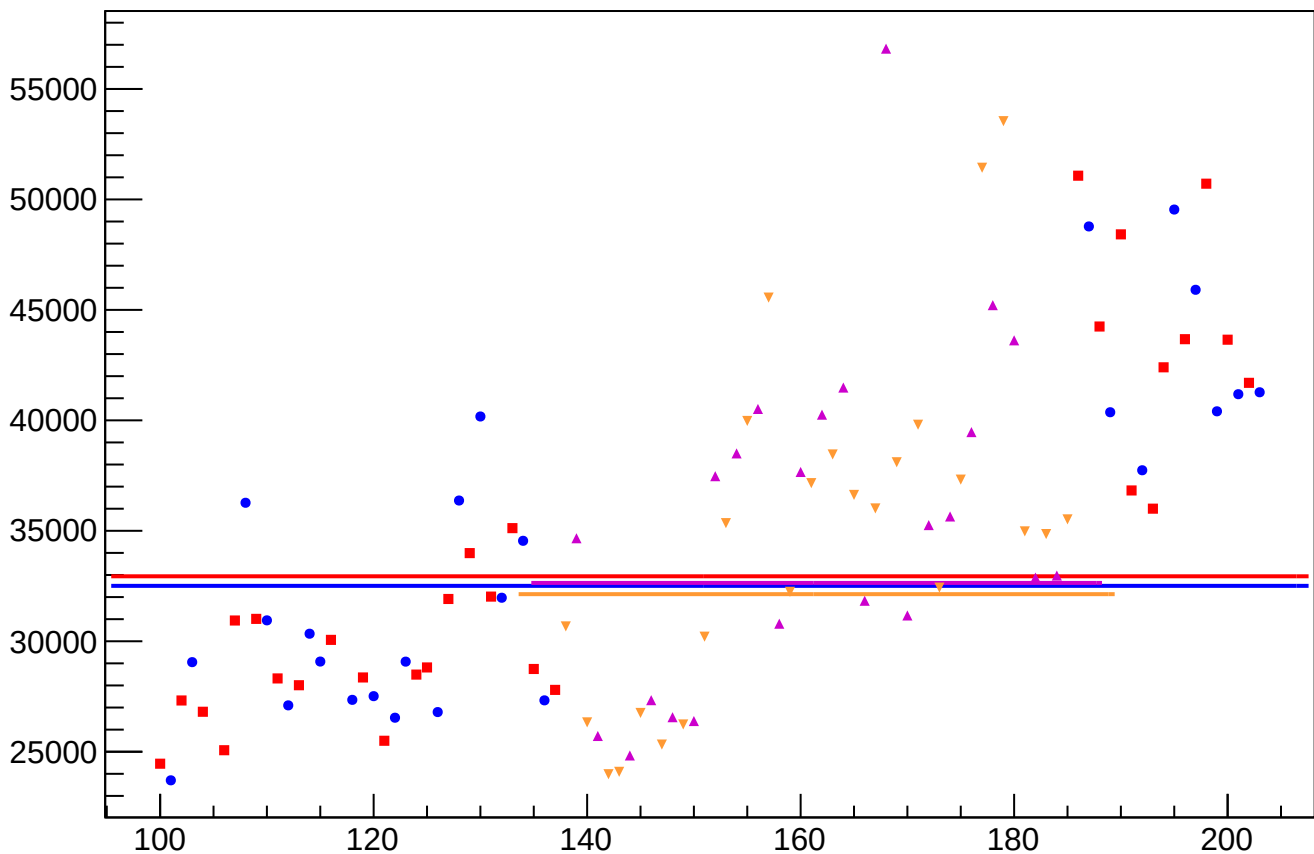
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -3.688 ± 5.992 χ^2/NDF : 60.5/49

All: 2.009 ± 4.252 χ^2/NDF : 107.5/101

- sign 7.787 ± 6.035 χ^2/NDF : 45.2/51

diff_bpm12X_rms vs Slug



Right In: 32508.310+/-6.770 χ^2/NDF : 1099630.2/24

Left Out: 32132.314+/-5.433 χ^2/NDF :1540079.4/24

Right Out: 32941.178+/-6.512 χ^2/NDF : 1200192.8/28

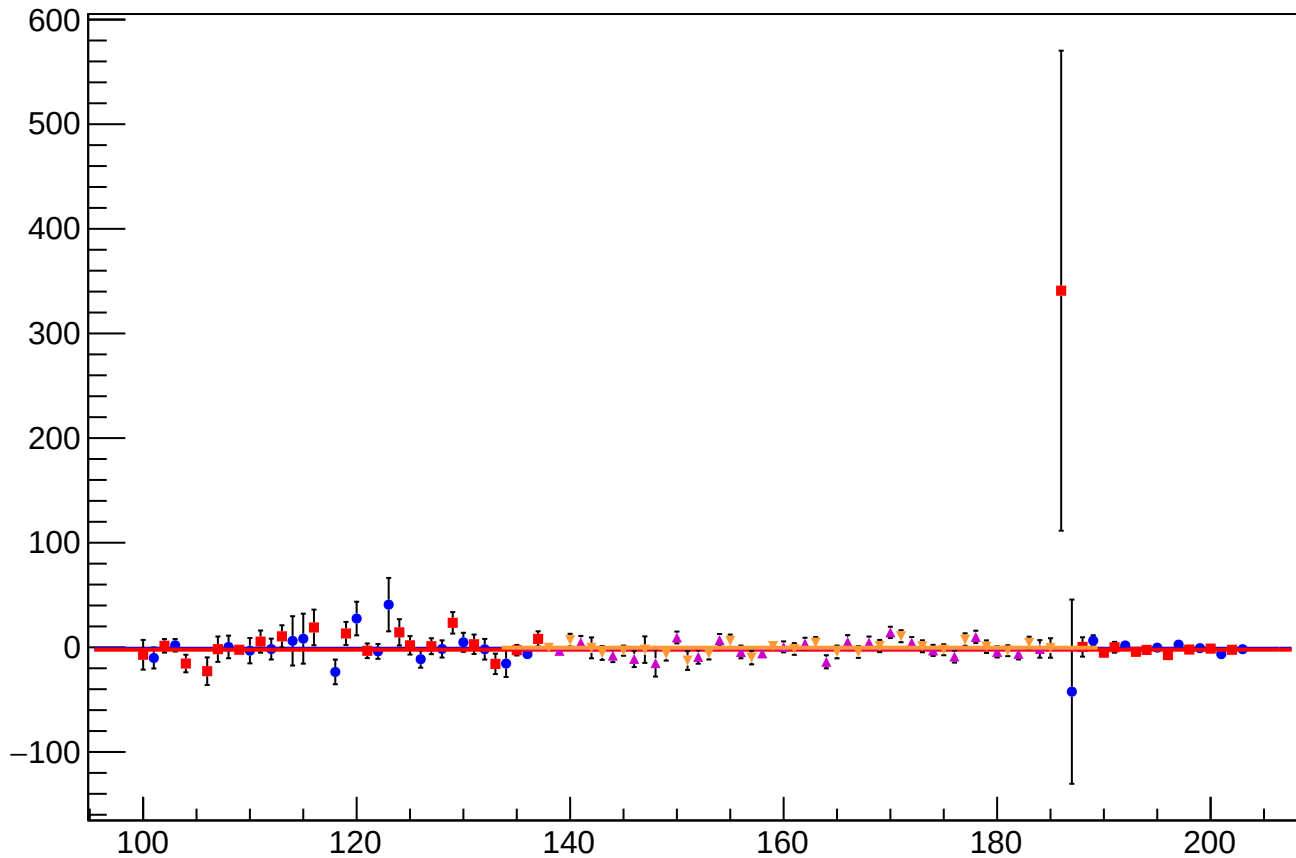
Left In: 32641.162+/-5.650 χ^2/NDF :1402162.4/22

+ sign 32279.610+/-4.237 χ^2/NDF : 2641586.0/49

All: 32523.058+/-3.007 χ^2/NDF : 5251802.1/100

- sign 32770.015+/-4.268 χ^2/NDF : 2603566.2/51

diff_bpm12Y_mean vs Slug



Right In: -1.315 ± 1.056 χ^2/NDF : 23.4/24

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.243 ± 1.078 χ^2/NDF : 29.6/28

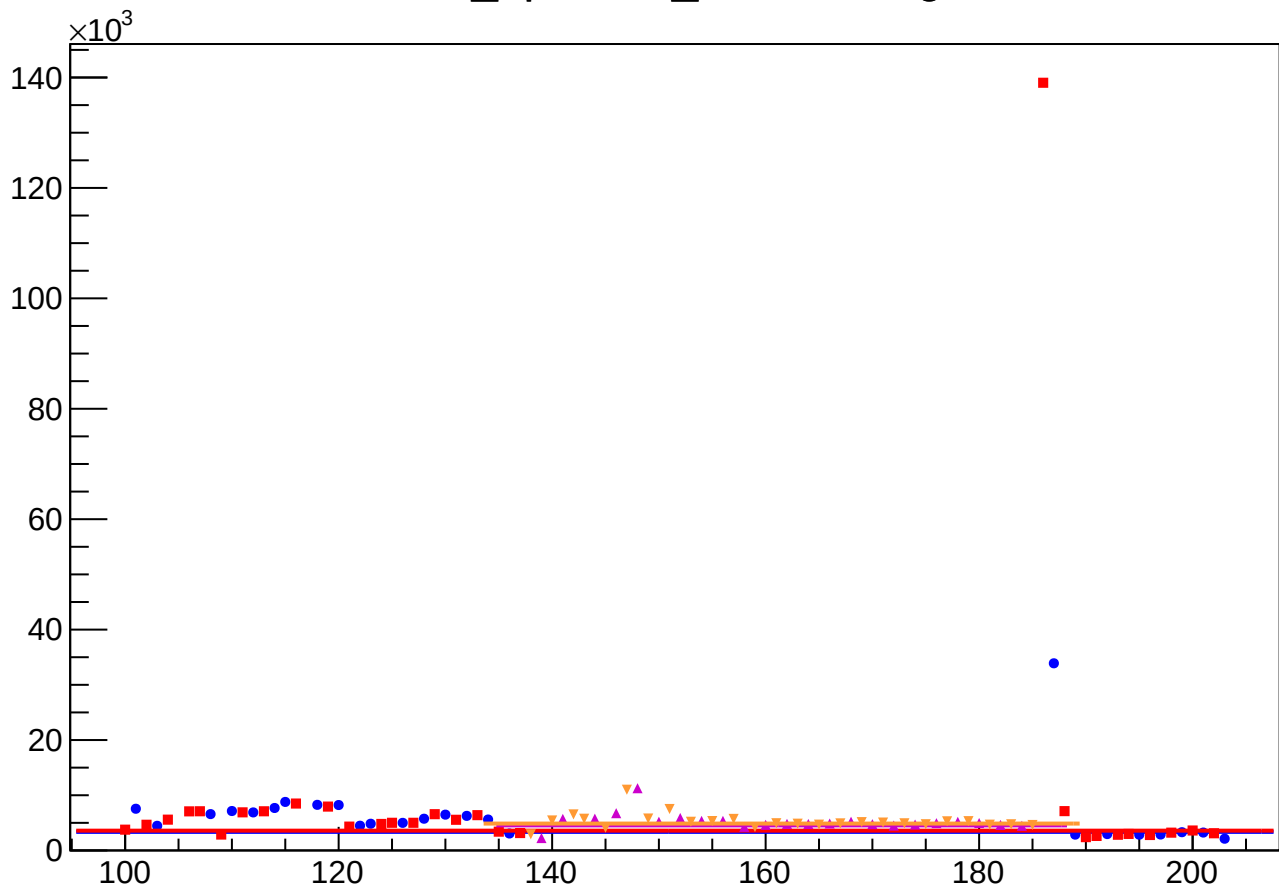
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.865 ± 0.785 χ^2/NDF : 41.4/49

All: -1.240 ± 0.554 χ^2/NDF : 108.4/101

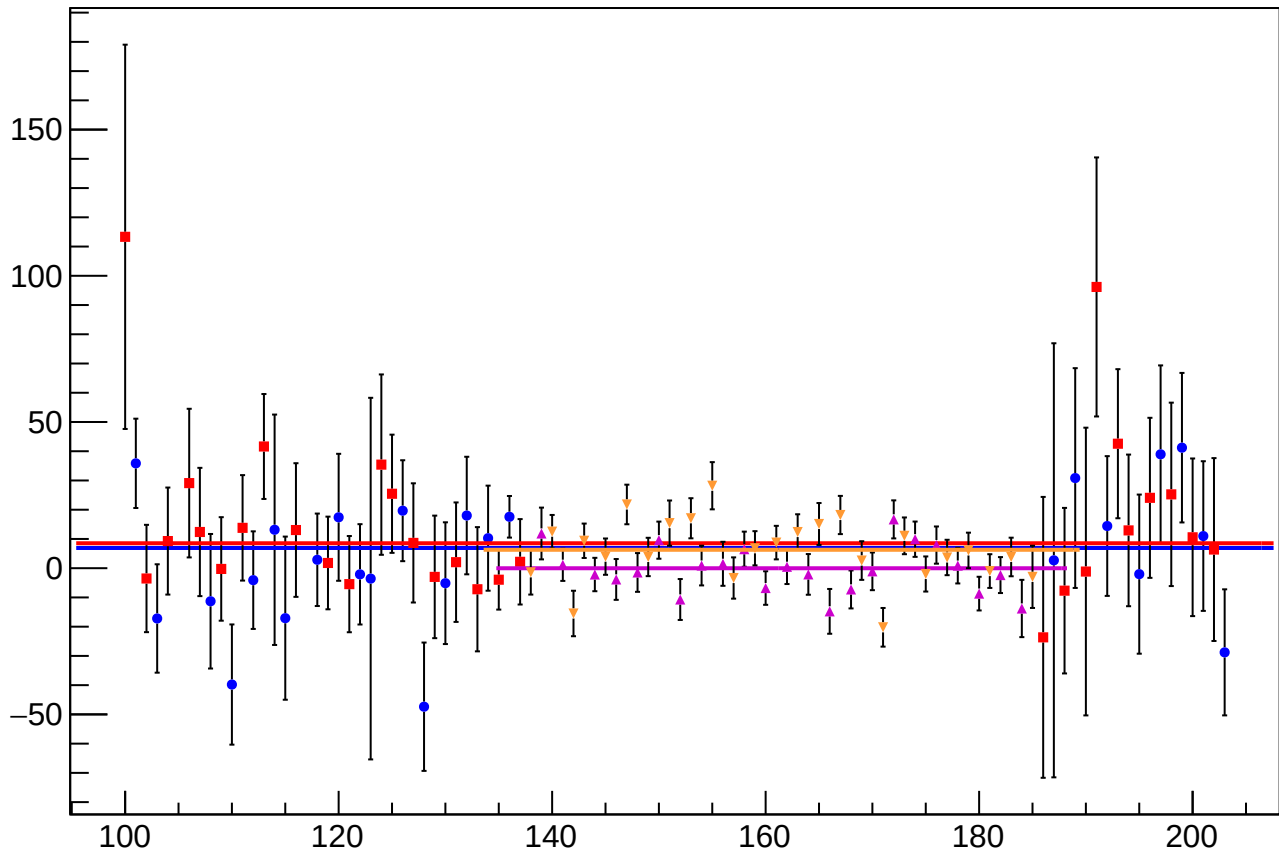
- sign -1.614 ± 0.784 χ^2/NDF : 66.5/51

diff_bpm12Y_rms vs Slug



Right In: 3363.773 ± 0.747 $\chi^2/\text{NDF}: 3433993.4/24$ + sign 4038.484 ± 0.555 $\chi^2/\text{NDF}: 6764892.3/49$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 4037.727 ± 0.392 $\chi^2/\text{NDF}: 13703169.0/1$
 Right Out: 3585.416 ± 0.762 $\chi^2/\text{NDF}: 3558094.7/28$ - sign 4036.971 ± 0.554 $\chi^2/\text{NDF}: 6938273.0/51$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 6.913 ± 3.777 $\chi^2/\text{NDF}: 28.8/24$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 8.527 ± 3.886 $\chi^2/\text{NDF}: 19.6/28$

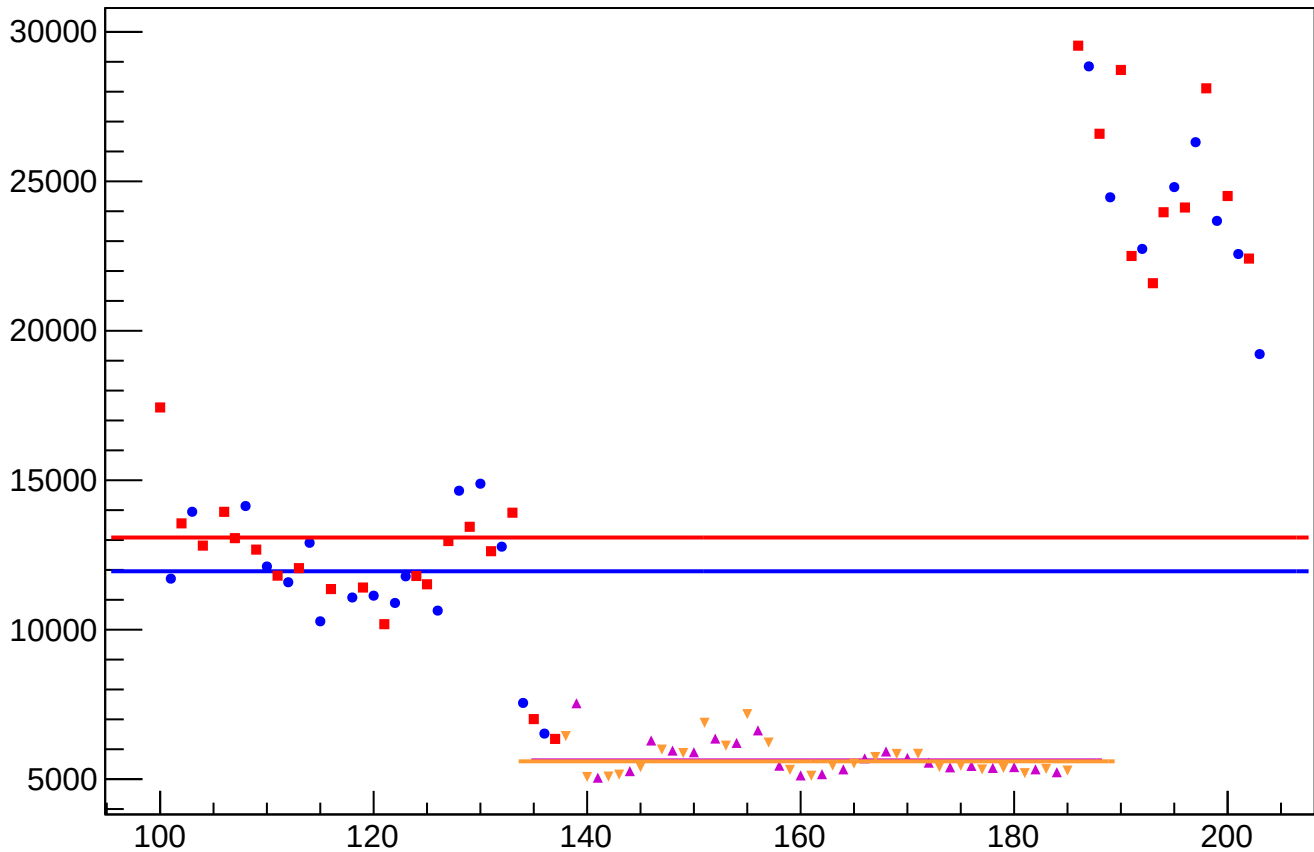
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 6.362 ± 1.238 $\chi^2/\text{NDF}: 85.3/49$

All: 3.720 ± 0.889 $\chi^2/\text{NDF}: 148.5/101$

- sign 0.904 ± 1.278 $\chi^2/\text{NDF}: 53.8/51$

diff_bpm16X_rms vs Slug



Right In: 11954.767 ± 2.671 χ^2/NDF : 4055048.3/24

Left Out: 5596.370 ± 0.926 χ^2/NDF : 283998.1/24

Right Out: 13084.255 ± 2.748 χ^2/NDF : 4158444.5/28

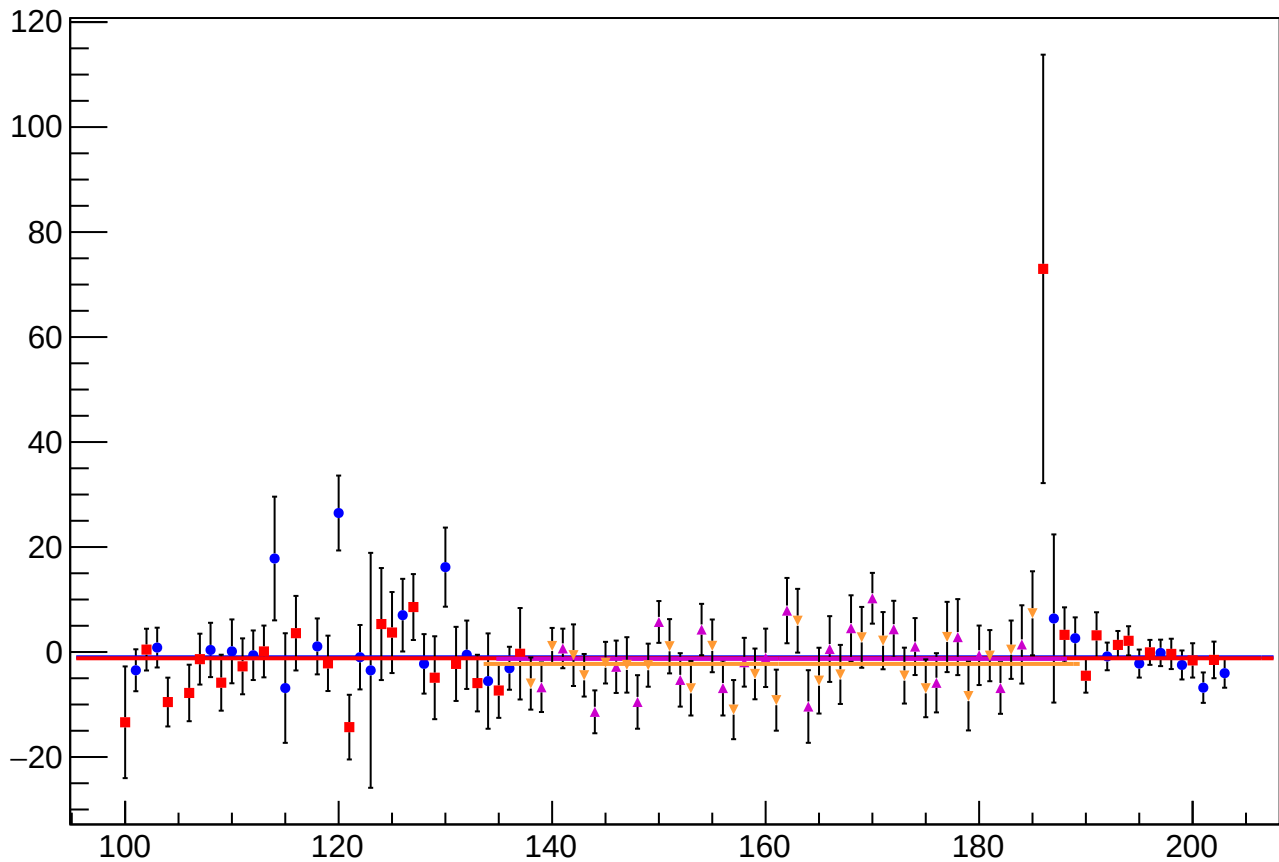
Left In: 5627.283 ± 0.957 χ^2/NDF : 279318.7/22

+ sign 6279.366 ± 0.875 χ^2/NDF : 9398827.9/49

All: 6353.964 ± 0.629 χ^2/NDF : 20418752.8/51

- sign 6433.466 ± 0.904 χ^2/NDF : 11004919.4/51

diff_bpm16Y_mean vs Slug



Right In: -1.004 ± 0.846 χ^2/NDF : 32.5/24

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.196 ± 0.820 χ^2/NDF : 26.5/28

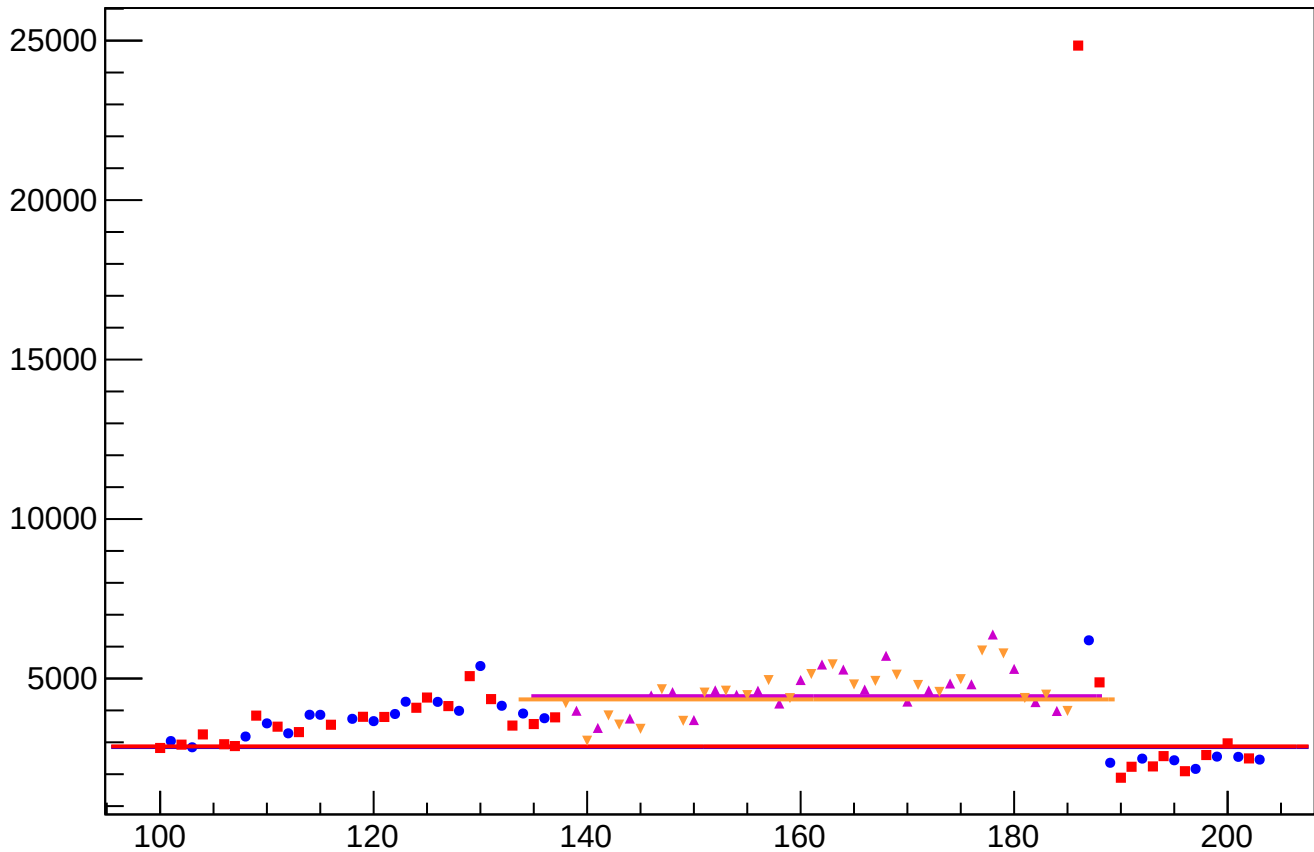
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.514 ± 0.654 χ^2/NDF : 48.8/49

All: -1.375 ± 0.462 χ^2/NDF : 106.2/101

- sign -1.236 ± 0.652 χ^2/NDF : 57.3/51

diff_bpm16Y_rms vs Slug



Right In: 2851.657+/-0.598 χ^2/NDF : 1271824.5/24

Left Out: 4345.381+/-0.728 χ^2/NDF : 1000636.1/24

Right Out: 2872.171+/-0.580 χ^2/NDF : 2257458.4/28

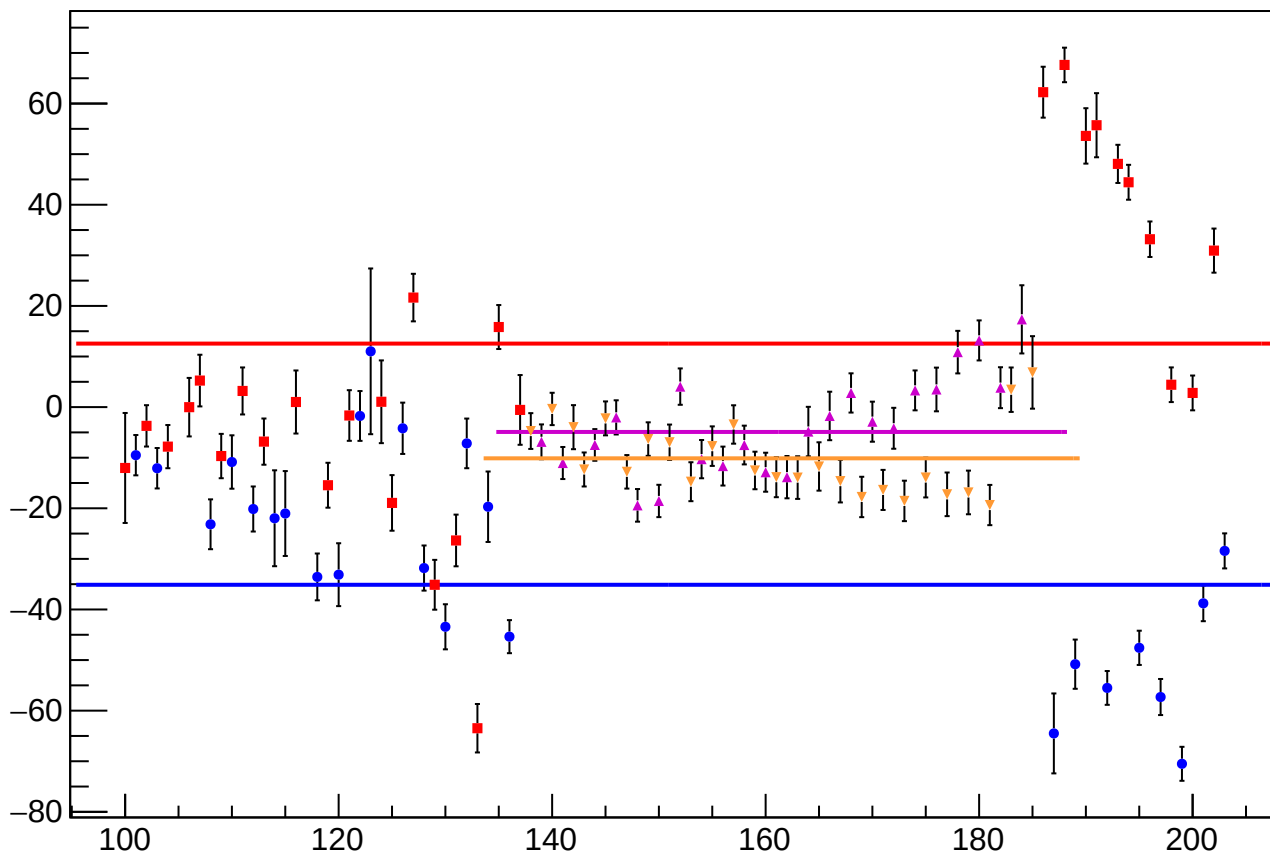
Left In: 4446.181+/-0.762 χ^2/NDF : 702797.6/22

+ sign 3454.106+/-0.462 χ^2/NDF : 4784998.7/49

All: 3451.715+/-0.326 χ^2/NDF : 10450452.8/100

- sign 3449.336+/-0.461 χ^2/NDF : 5665400.7/51

diff_bpm0l01X_mean vs Slug



Right In: -35.120 ± 0.892 χ^2/NDF : 489.8/24

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 12.553 ± 0.849 χ^2/NDF : 1296.5/28

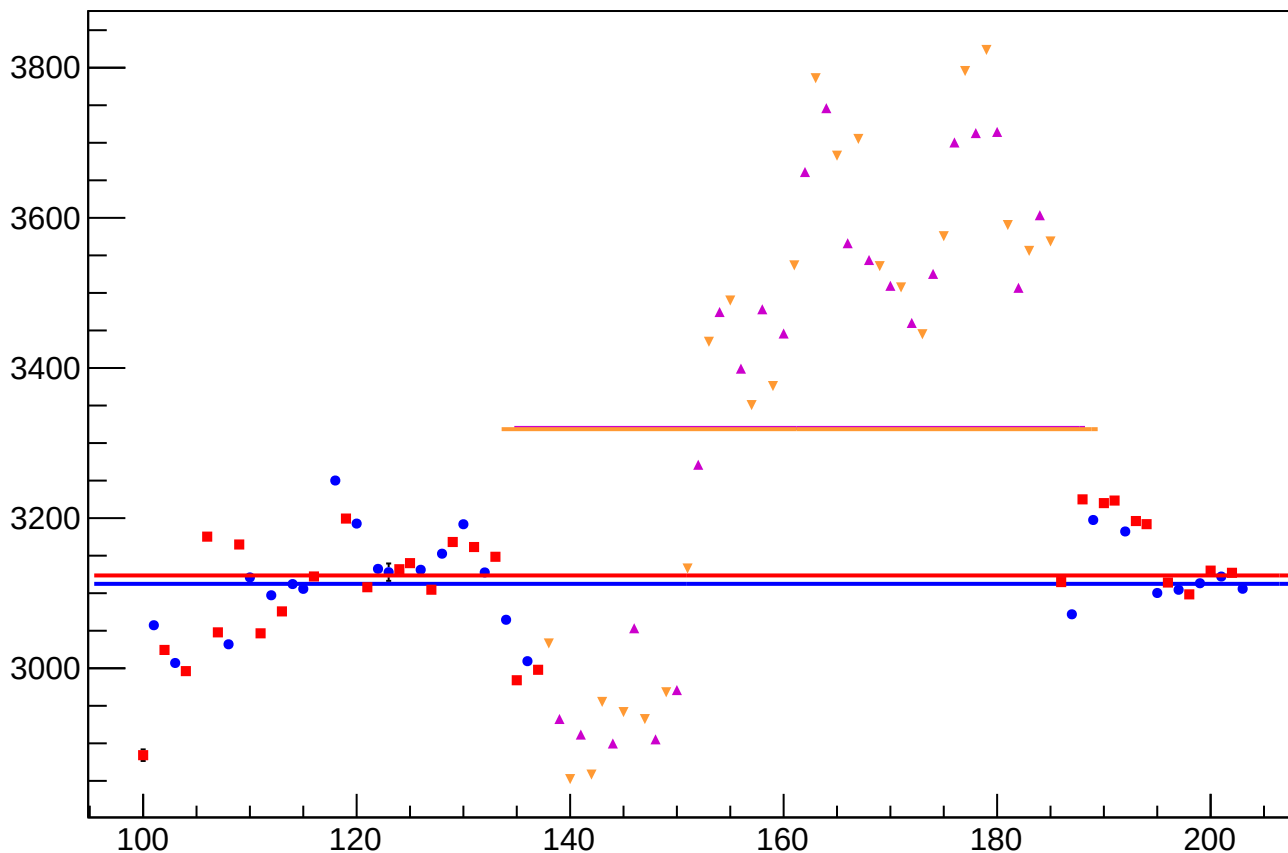
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -20.886 ± 0.585 χ^2/NDF : 1005.0/49

All: -8.728 ± 0.412 χ^2/NDF : 3511.7/101

- sign 3.267 ± 0.581 χ^2/NDF : 1649.2/51

diff_bpm0l01X_rms vs Slug



Right In: 3112.457 $\pm$ 0.631 χ^2 /NDF: 8996.9/24

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3123.645 $\pm$ 0.601 χ^2 /NDF: 13728.4/28

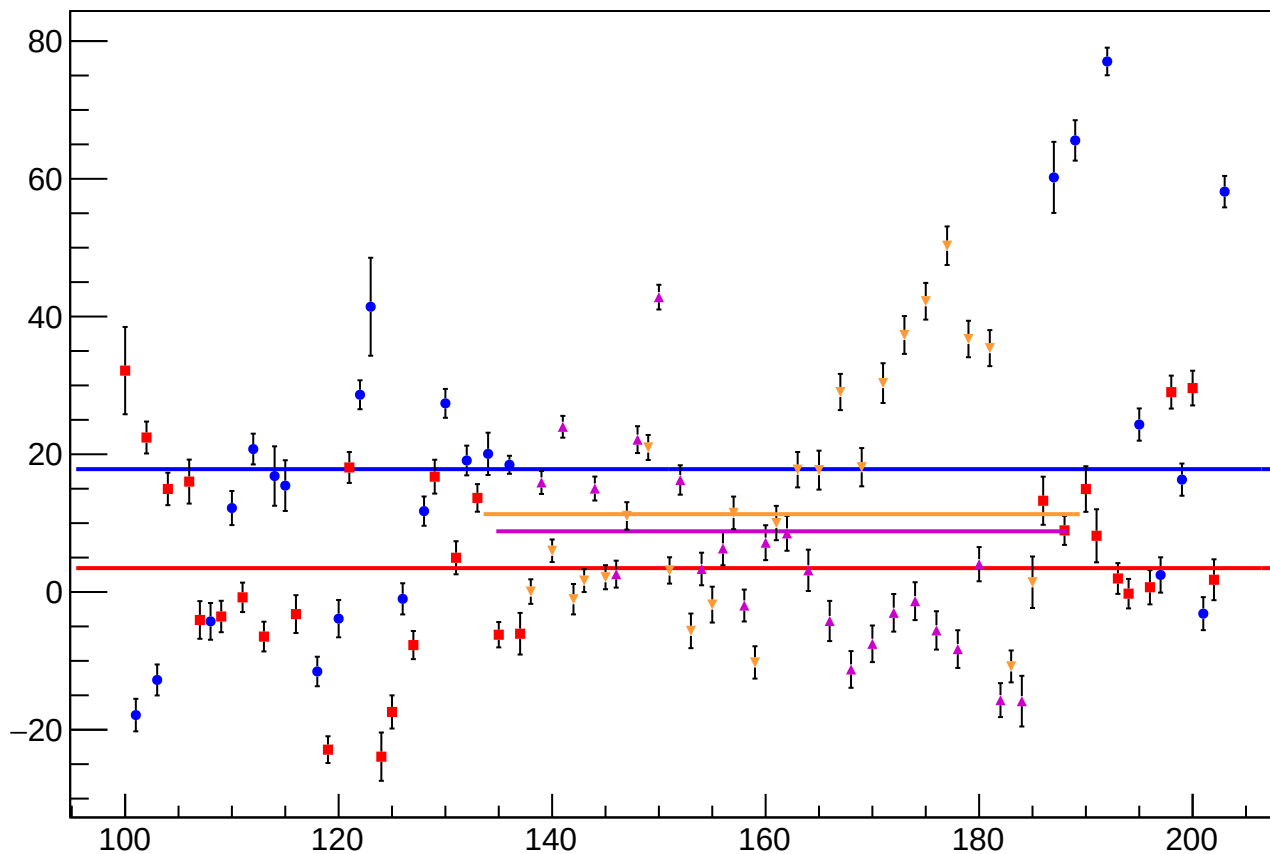
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3229.797 $\pm$ 0.414 χ^2 /NDF: 407483.4/49

All: 3228.963 $\pm$ 0.292 χ^2 /NDF: 765783.1/100

- sign 3228.139 $\pm$ 0.411 χ^2 /NDF: 358291.5/51

diff_bpm0l01Y_mean vs Slug



Right In: 17.840 $\pm$ 0.474 χ^2 /NDF: 2516.4/24

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 3.468 $\pm$ 0.455 χ^2 /NDF: 915.1/28

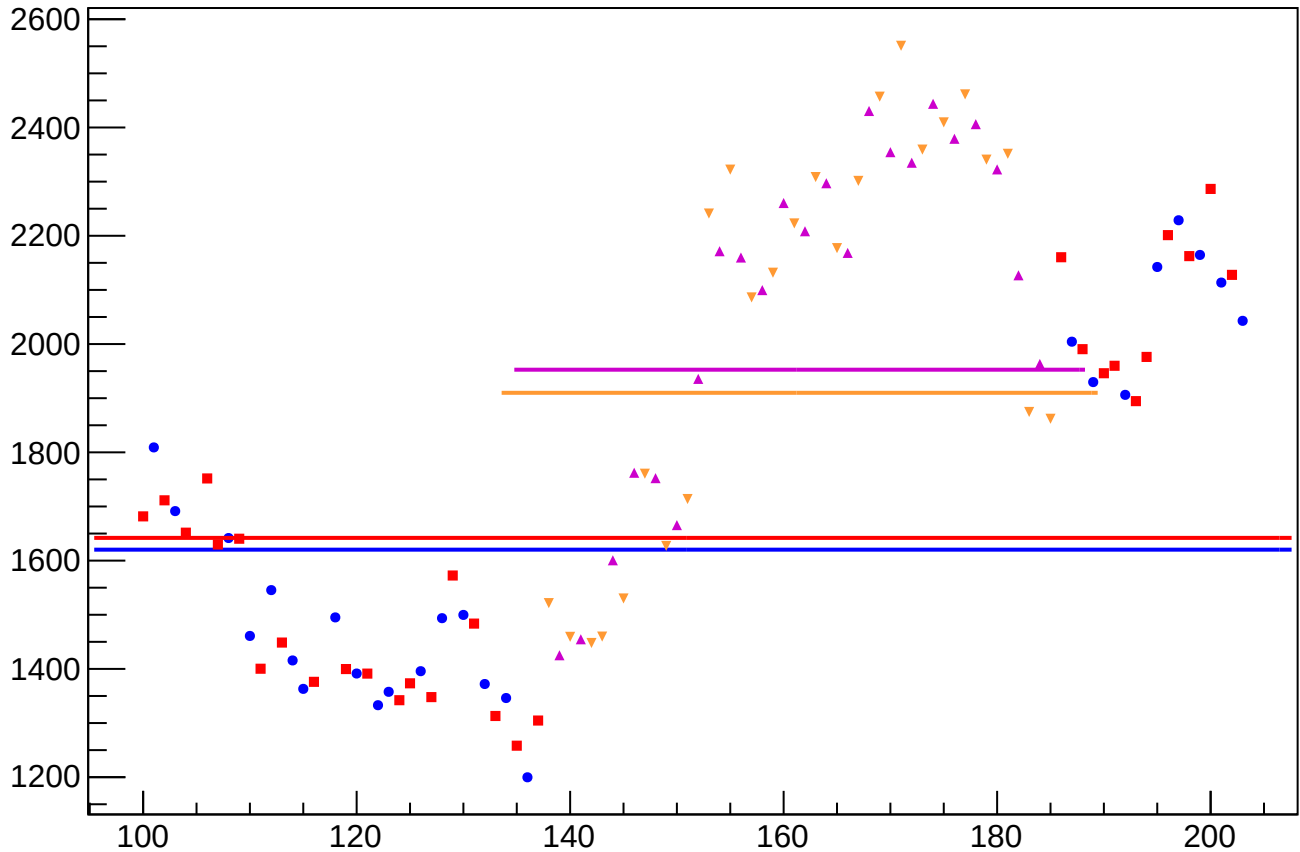
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 14.429 $\pm$ 0.328 χ^2 /NDF: 3759.8/49

All: 10.240 $\pm$ 0.232 χ^2 /NDF: 6010.4/101

- sign 6.027 $\pm$ 0.329 χ^2 /NDF: 1923.3/51

diff_bpm0l01Y_rms vs Slug



Right In: 1620.248 $\pm$ 0.335 χ^2 /NDF: 931684.8/24

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1642.006 $\pm$ 0.322 χ^2 /NDF: 961348.2/28

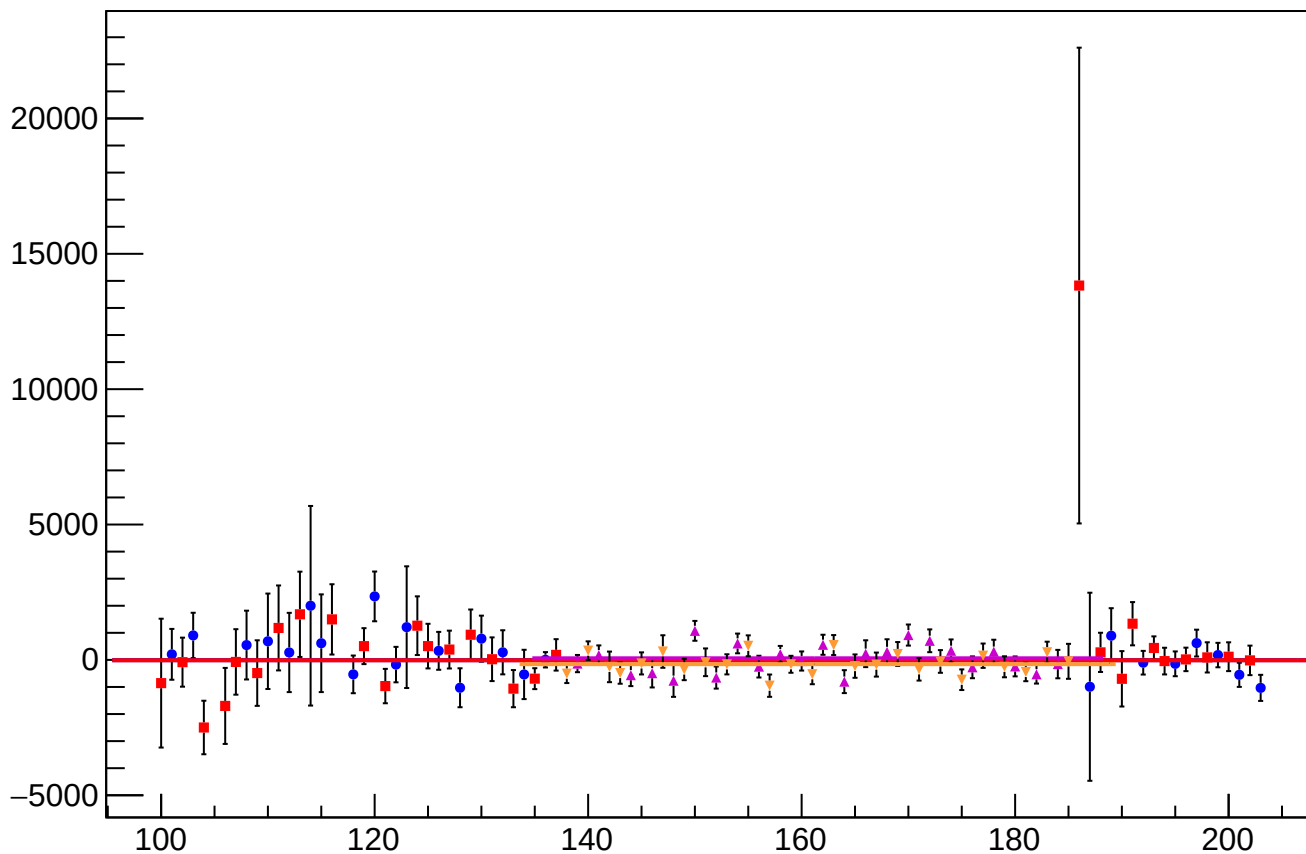
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1771.482 $\pm$ 0.232 χ^2 /NDF: 2720706.9/49

All: 1781.047 $\pm$ 0.164 χ^2 /NDF: 5196096.8/10

- sign 1790.669 $\pm$ 0.233 χ^2 /NDF: 2471976.0/51

asym_sam1_mean vs Slug



Right In: -10.241 ± 129.084 χ^2/NDF : 21.9/24

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -12.925 ± 130.488 χ^2/NDF : 29.9/28

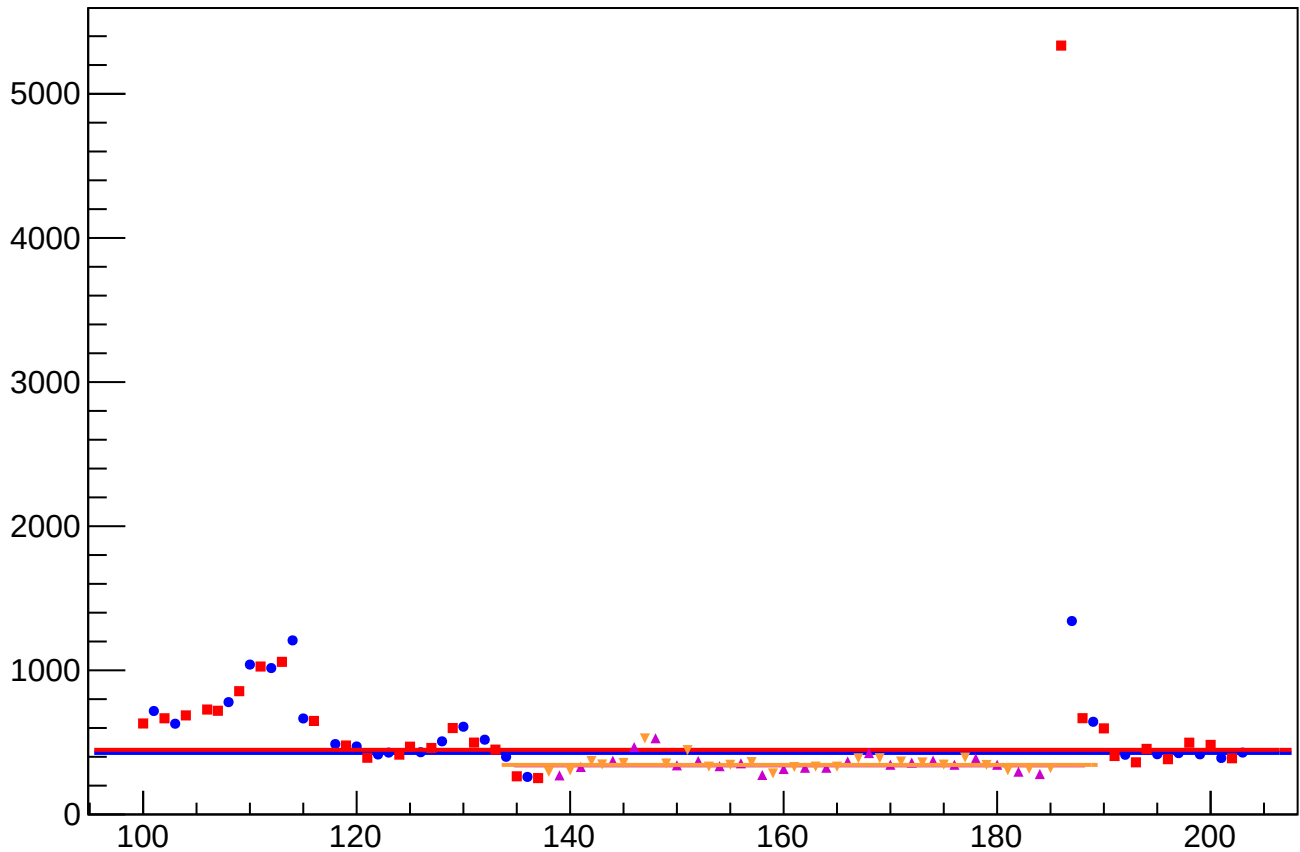
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -115.862 ± 68.486 χ^2/NDF : 44.9/49

All: -40.186 ± 48.879 χ^2/NDF : 116.0/101

- sign 38.383 ± 69.783 χ^2/NDF : 68.6/51

asym_sam1_rms vs Slug



Right In: 426.927 $\pm$ 0.091 χ^2 /NDF: 2252153.5/24

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 448.399 $\pm$ 0.092 χ^2 /NDF: 3058665.7/28

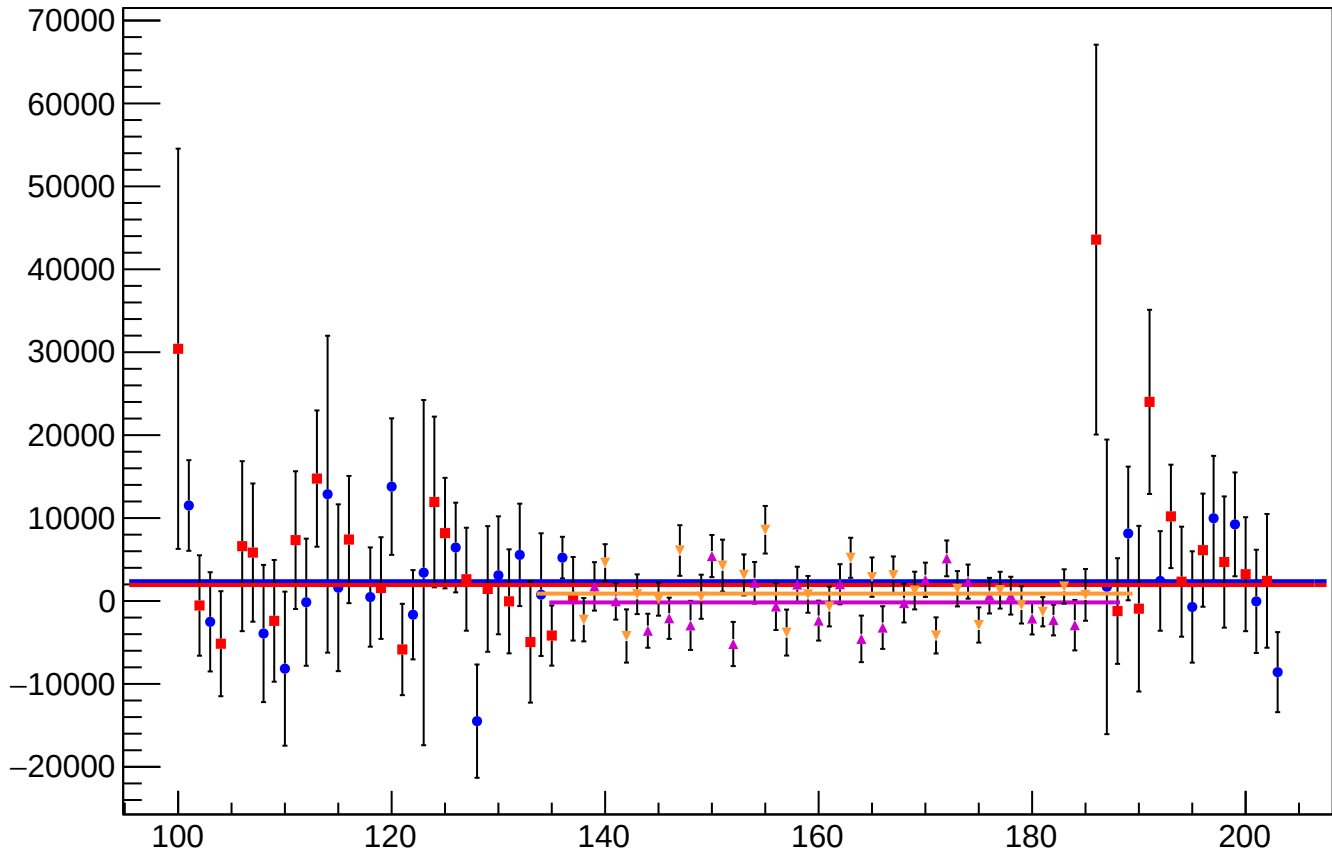
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 367.205 $\pm$ 0.048 χ^2 /NDF: 3387437.0/49

All: 369.374 $\pm$ 0.035 χ^2 /NDF: 8144462.5/103

- sign 371.627 $\pm$ 0.049 χ^2 /NDF: 4752933.8/51

asym_sam2_mean vs Slug



Right In: 2386.396 $\pm$ 1235.169 χ^2 /NDF: 24.9/24

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 1927.989 $\pm$ 1286.611 χ^2 /NDF: 24.4/28

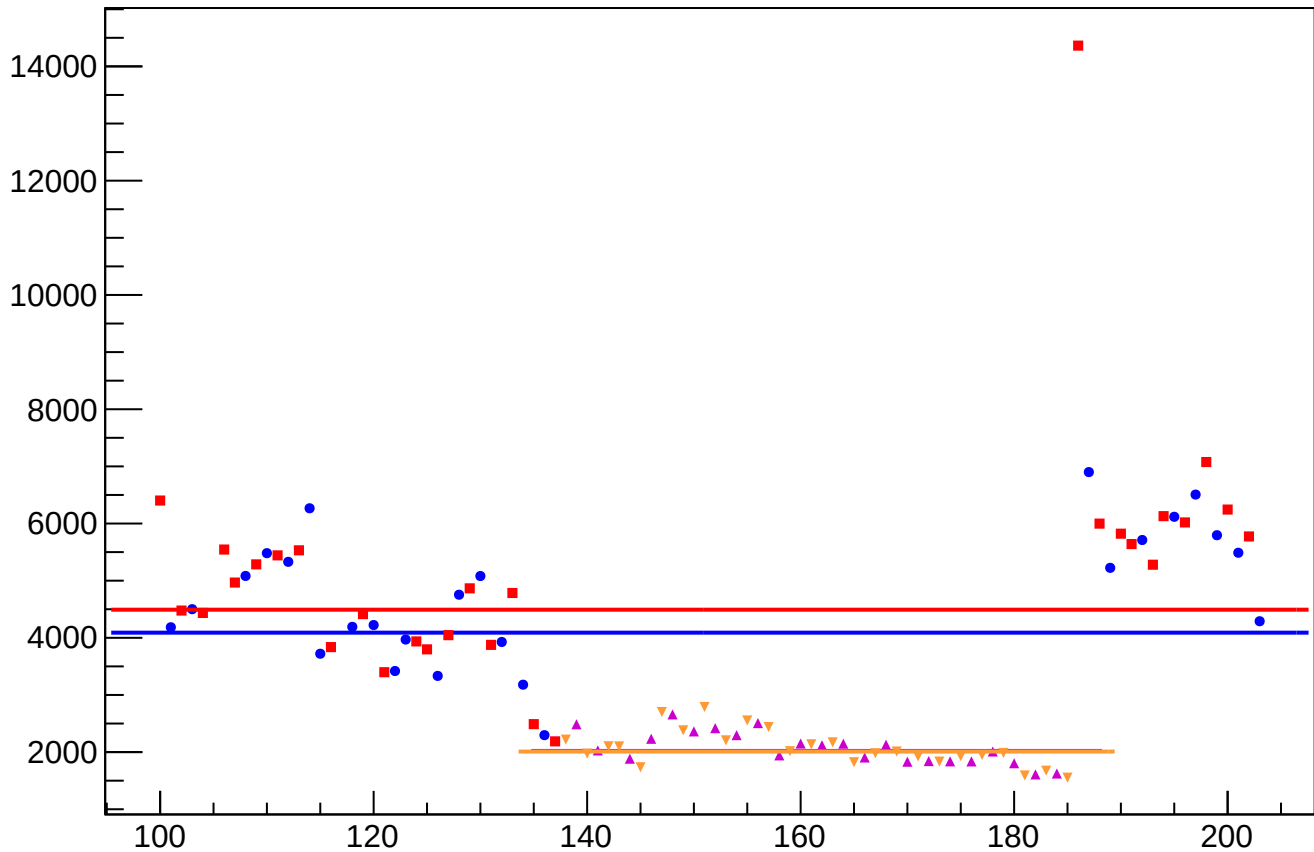
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1081.905 $\pm$ 441.933 χ^2 /NDF: 64.1/49

All: 602.742 $\pm$ 317.464 χ^2 /NDF: 126.5/101

- sign 91.834 $\pm$ 456.337 χ^2 /NDF: 60.0/51

asym_sam2_rms vs Slug



Right In: 4090.377 $\pm$ 0.873 χ^2 /NDF: 2221872.6/24

Left Out: 2009.631 $\pm$ 0.335 χ^2 /NDF: 709977.6/24

Right Out: 4492.240 $\pm$ 0.910 χ^2 /NDF: 2477170.8/28

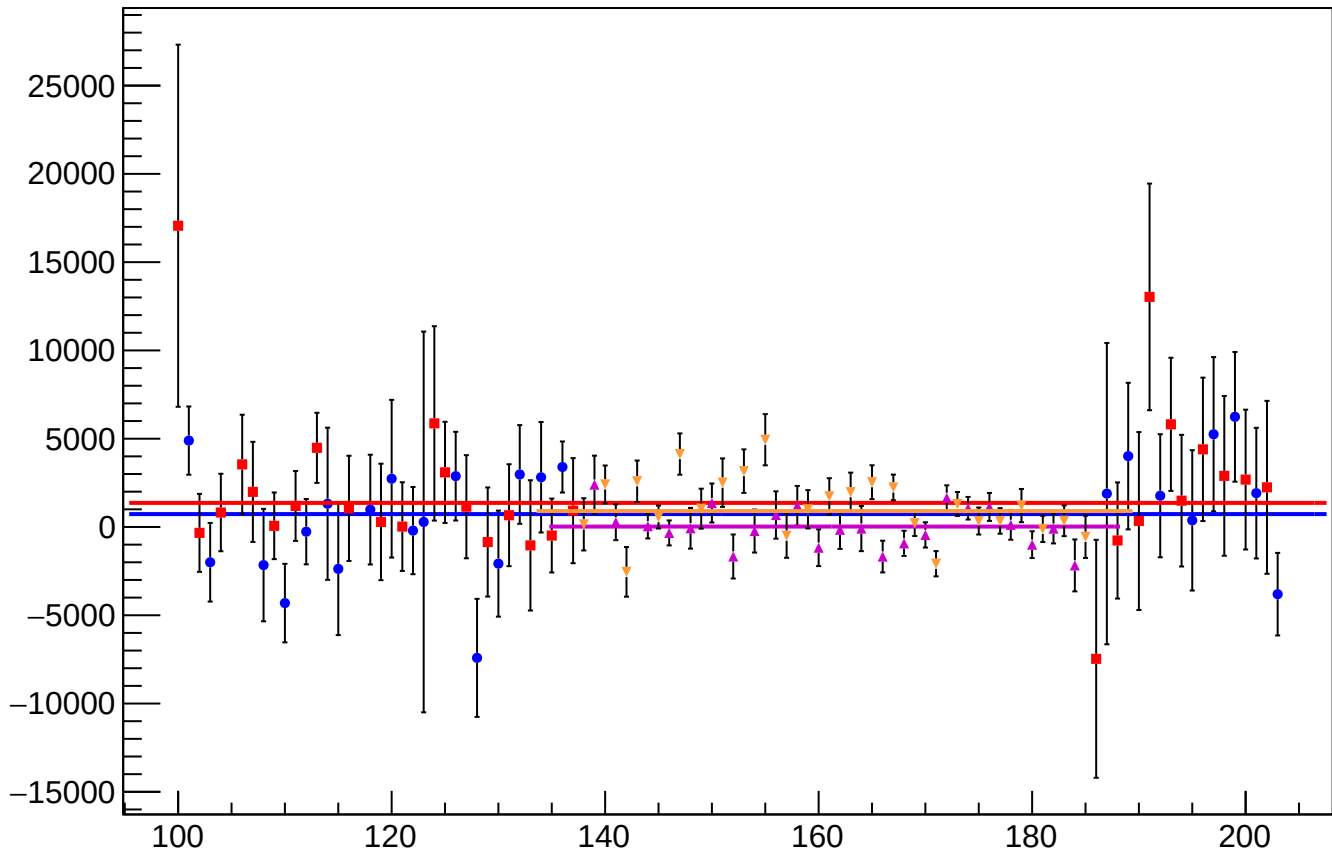
Left In: 2020.365 $\pm$ 0.345 χ^2 /NDF: 573483.0/22

+ sign 2275.997 $\pm$ 0.312 χ^2 /NDF: 7880932.0/49

All: 2302.774 $\pm$ 0.224 χ^2 /NDF: 17400324.0/1

- sign 2331.324 $\pm$ 0.323 χ^2 /NDF: 9504221.3/51

asym_sam3_mean vs Slug



Right In: 730.094 ± 560.745 χ^2/NDF : 33.4/24

Left Out: 902.091 ± 185.850 χ^2/NDF : 63.5/24

Right Out: 1364.348 ± 552.727 χ^2/NDF : 17.5/28

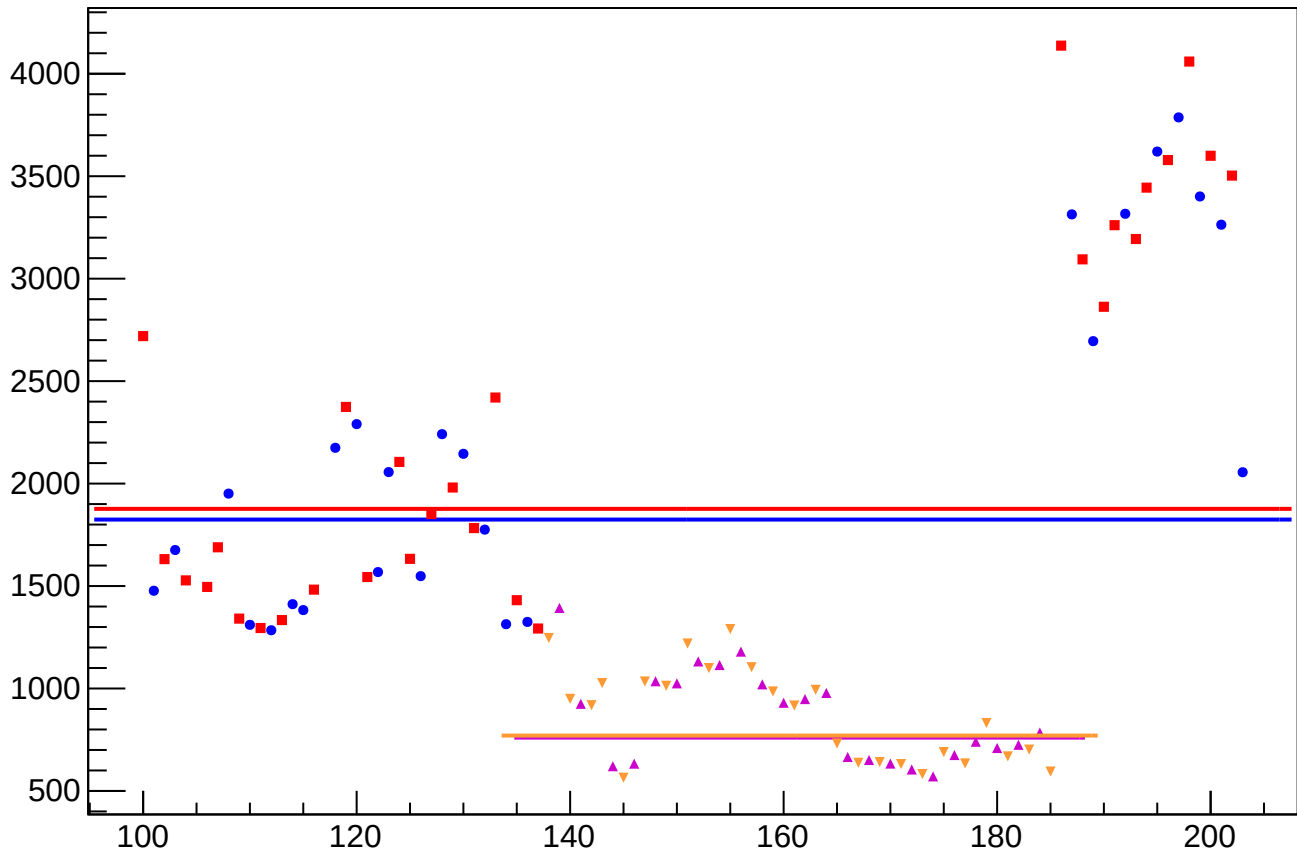
Left In: 23.529 ± 188.137 χ^2/NDF : 28.2/22

+ sign 885.068 ± 176.413 χ^2/NDF : 97.0/49

All: 527.347 ± 125.336 χ^2/NDF : 156.3/101

- sign 162.745 ± 178.102 χ^2/NDF : 51.0/51

asym_sam3_rms vs Slug



Right In: 1824.460 $\pm$ 0.397 χ^2 /NDF: 2857771.7/24

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1876.659 $\pm$ 0.391 χ^2 /NDF: 3649180.0/28

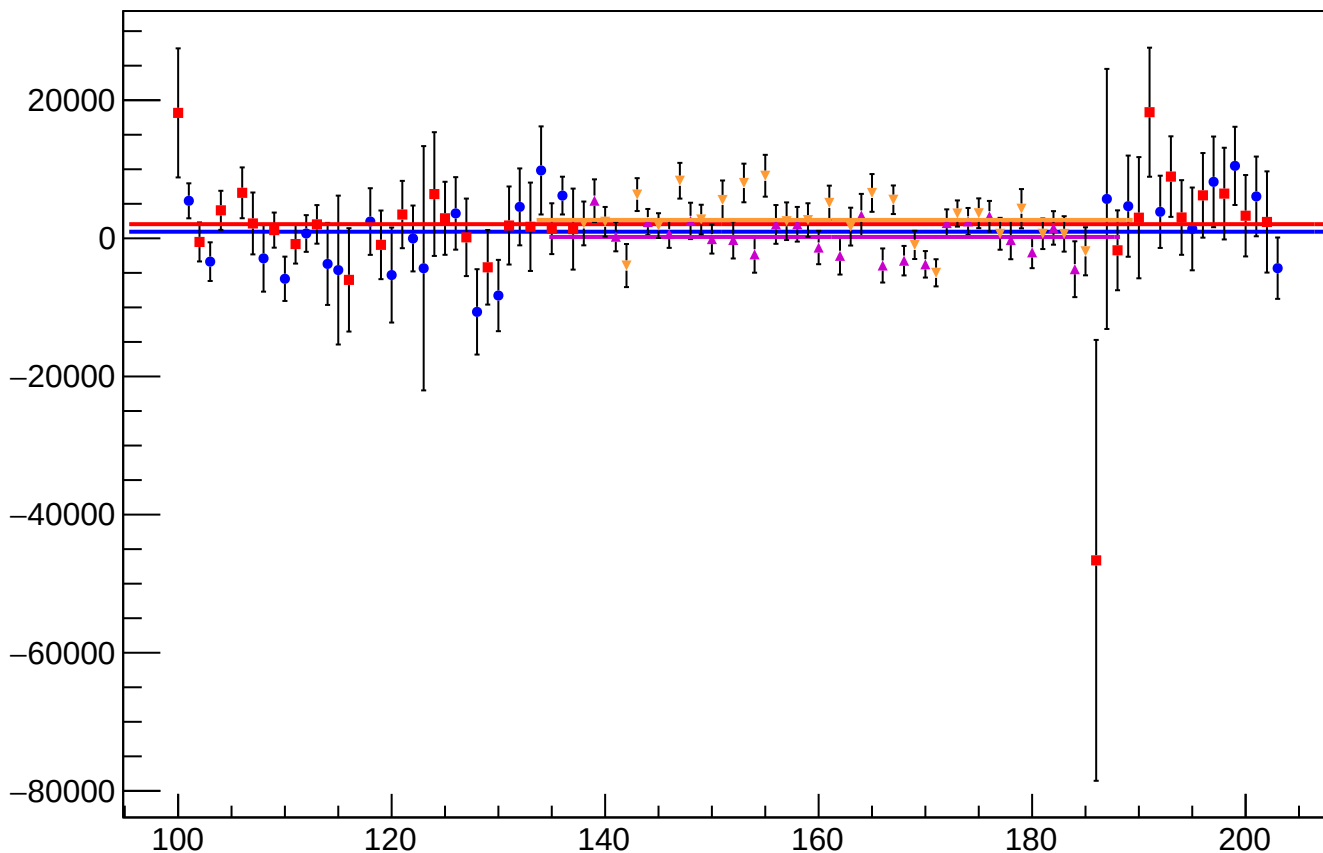
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 874.655 $\pm$ 0.125 χ^2 /NDF: 11513846.3/49

All: 875.448 $\pm$ 0.089 χ^2 /NDF: 24460690.2/10

- sign 876.256 $\pm$ 0.126 χ^2 /NDF: 12946762.3/51

asym_sam4_mean vs Slug



Right In: 958.819 ± 903.547 χ^2/NDF : 32.5/24

Left Out: 2665.587 ± 479.773 χ^2/NDF : 49.2/24

Right Out: 2051.409 ± 850.489 χ^2/NDF : 18.5/28

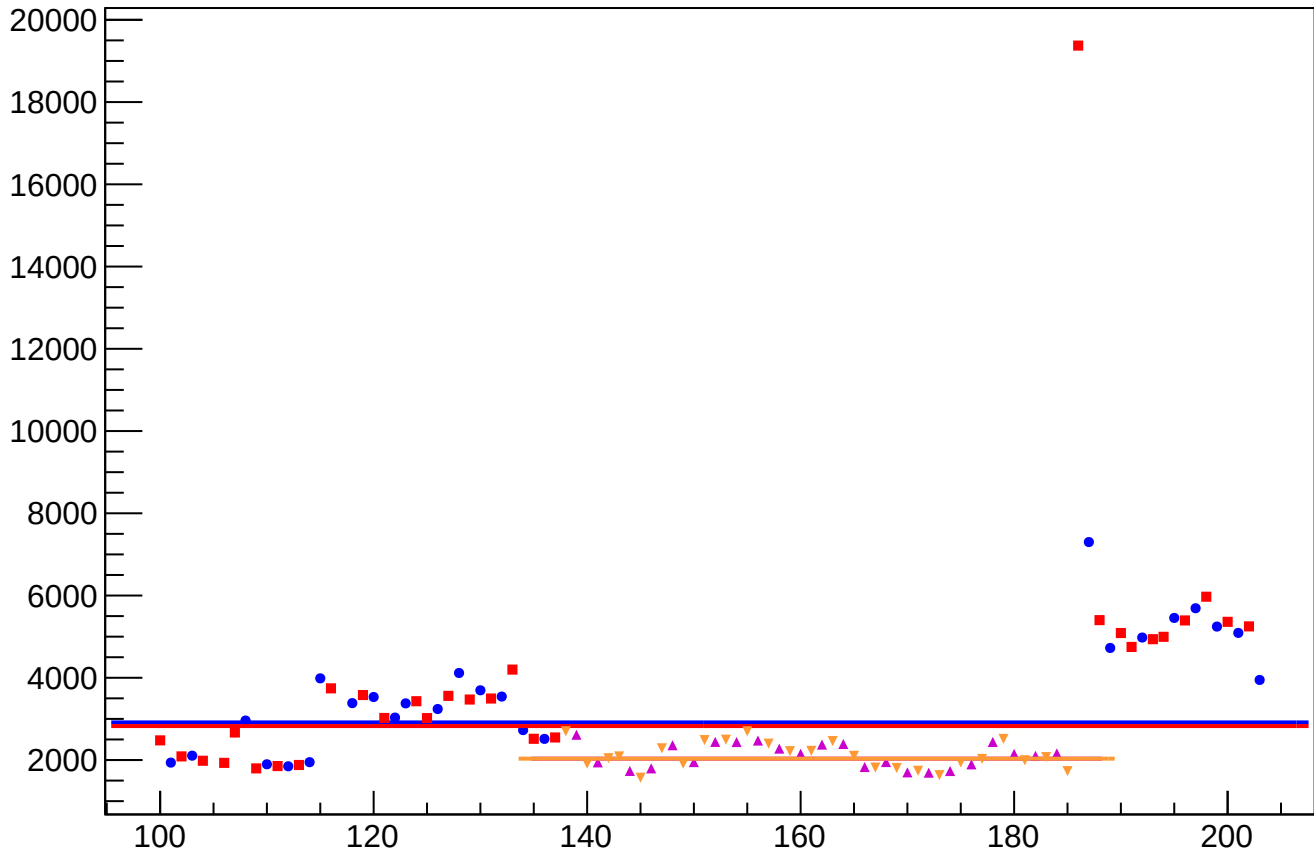
Left In: 199.371 ± 492.082 χ^2/NDF : 25.8/22

+ sign 2290.205 ± 423.741 χ^2/NDF : 84.5/49

All: 1481.221 ± 300.400 χ^2/NDF : 139.6/101

- sign 663.868 ± 425.927 χ^2/NDF : 47.8/51

asym_sam4_rms vs Slug



Right In: 2914.659 $\pm$ 0.639 χ^2 /NDF: 3289657.3/24

Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24

Right Out: 2825.876 $\pm$ 0.601 χ^2 /NDF: 4651323.3/28

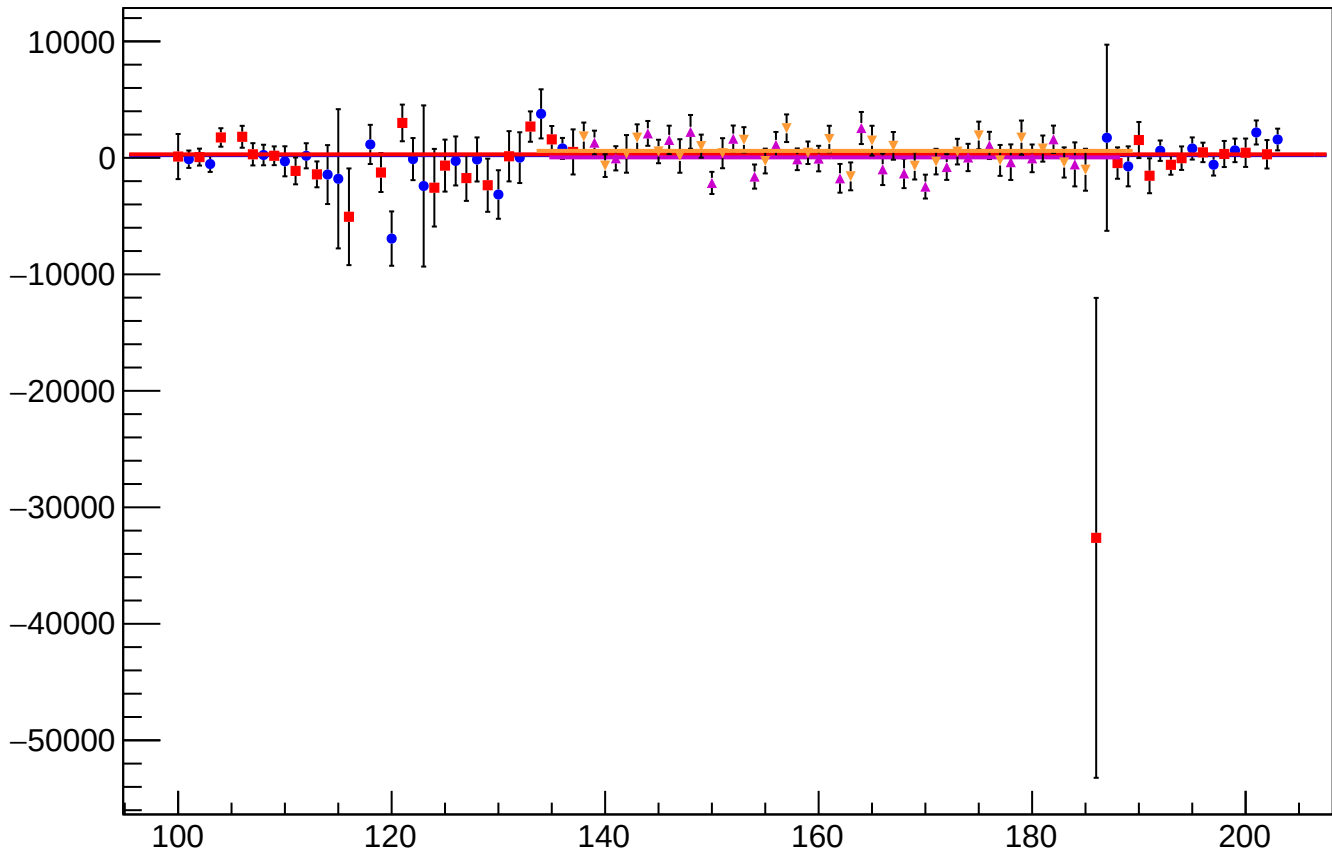
Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2227.173 $\pm$ 0.300 χ^2 /NDF: 5598037.1/49

All: 2229.374 $\pm$ 0.212 χ^2 /NDF: 12205631.2/100

- sign 2231.597 $\pm$ 0.301 χ^2 /NDF: 6607485.6/51

asym_sam5_mean vs Slug



Right In: 233.755 $\pm$ 241.503 χ^2 /NDF: 25.6/24

Left Out: 600.005 $\pm$ 234.968 χ^2 /NDF:18.5/24

Right Out: 301.283 $\pm$ 224.607 χ^2 /NDF: 29.7/28

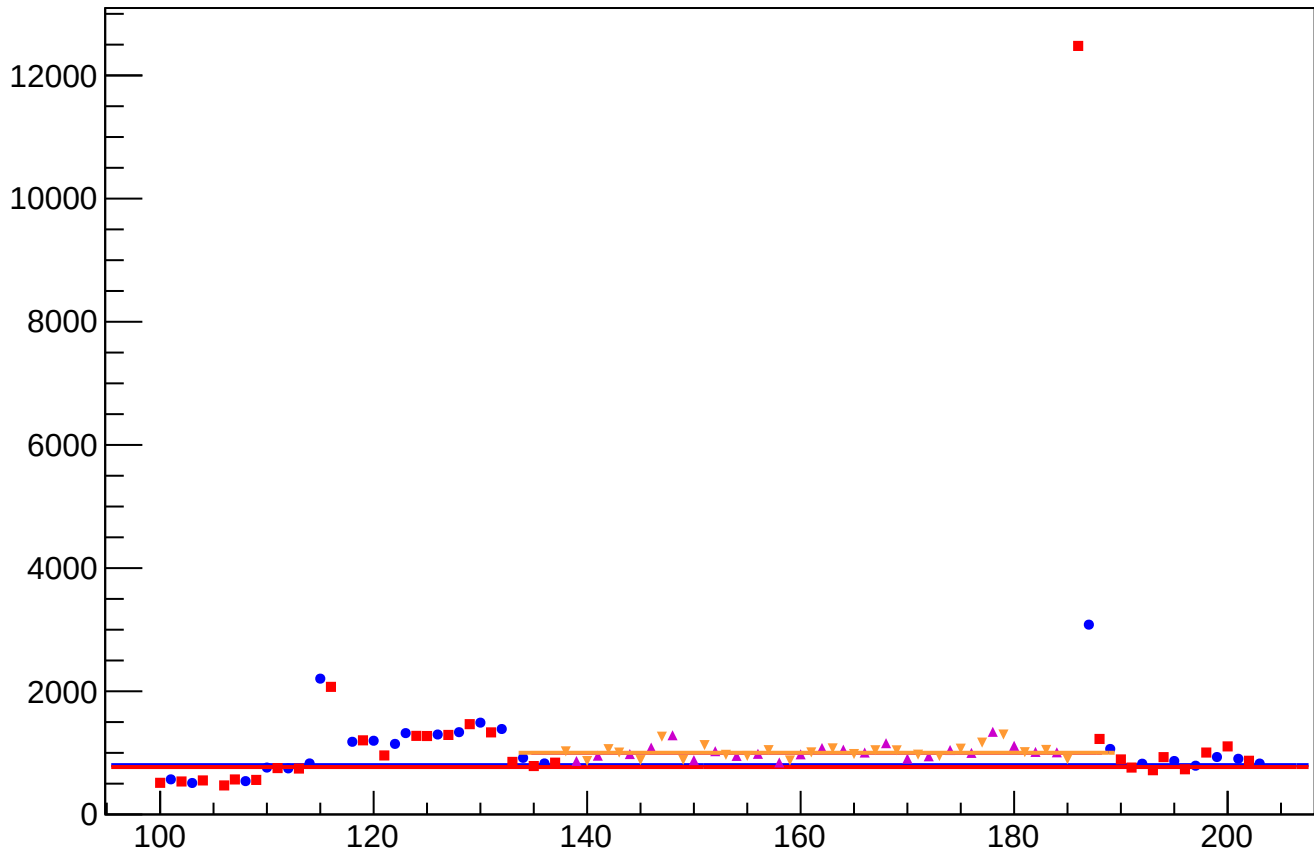
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF:36.4/22

+ sign 421.902 $\pm$ 168.410 χ^2 /NDF: 45.2/49

All: 298.157 $\pm$ 117.586 χ^2 /NDF: 113.0/101

- sign 180.451 $\pm$ 164.250 χ^2 /NDF: 66.7/51

asym_sam5_rms vs Slug



Right In: 800.864 $\pm$ 0.171 χ^2 /NDF: 2010223.0/24

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 769.698 $\pm$ 0.159 χ^2 /NDF: 3006895.3/28

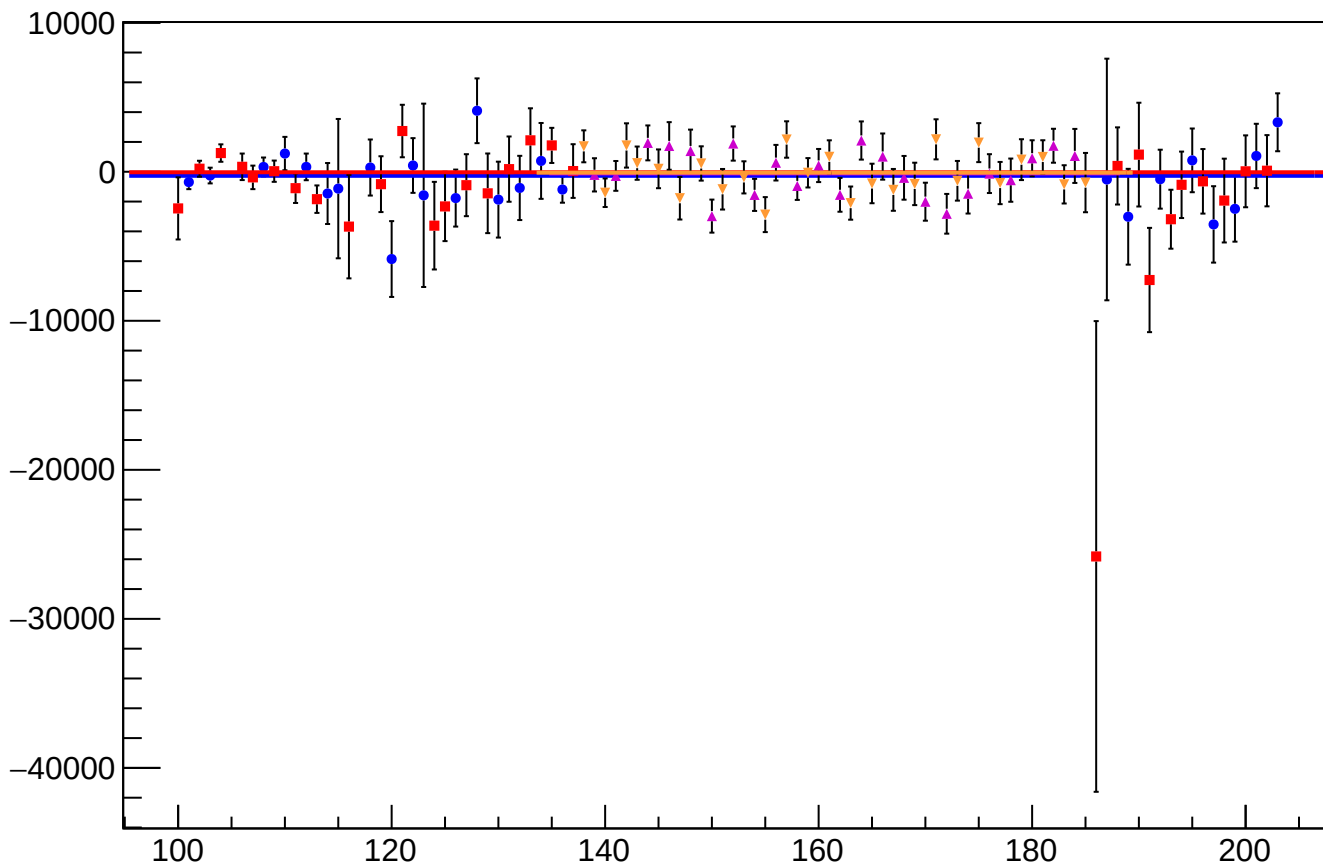
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 903.919 $\pm$ 0.119 χ^2 /NDF: 3089446.2/49

All: 889.577 $\pm$ 0.083 χ^2 /NDF: 7491056.3/100

- sign 875.935 $\pm$ 0.116 χ^2 /NDF: 4373308.7/51

asym_sam6_mean vs Slug



Right In: -271.731 ± 240.163 χ^2/NDF : 23.2/24

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -34.484 ± 235.982 χ^2/NDF : 32.1/28

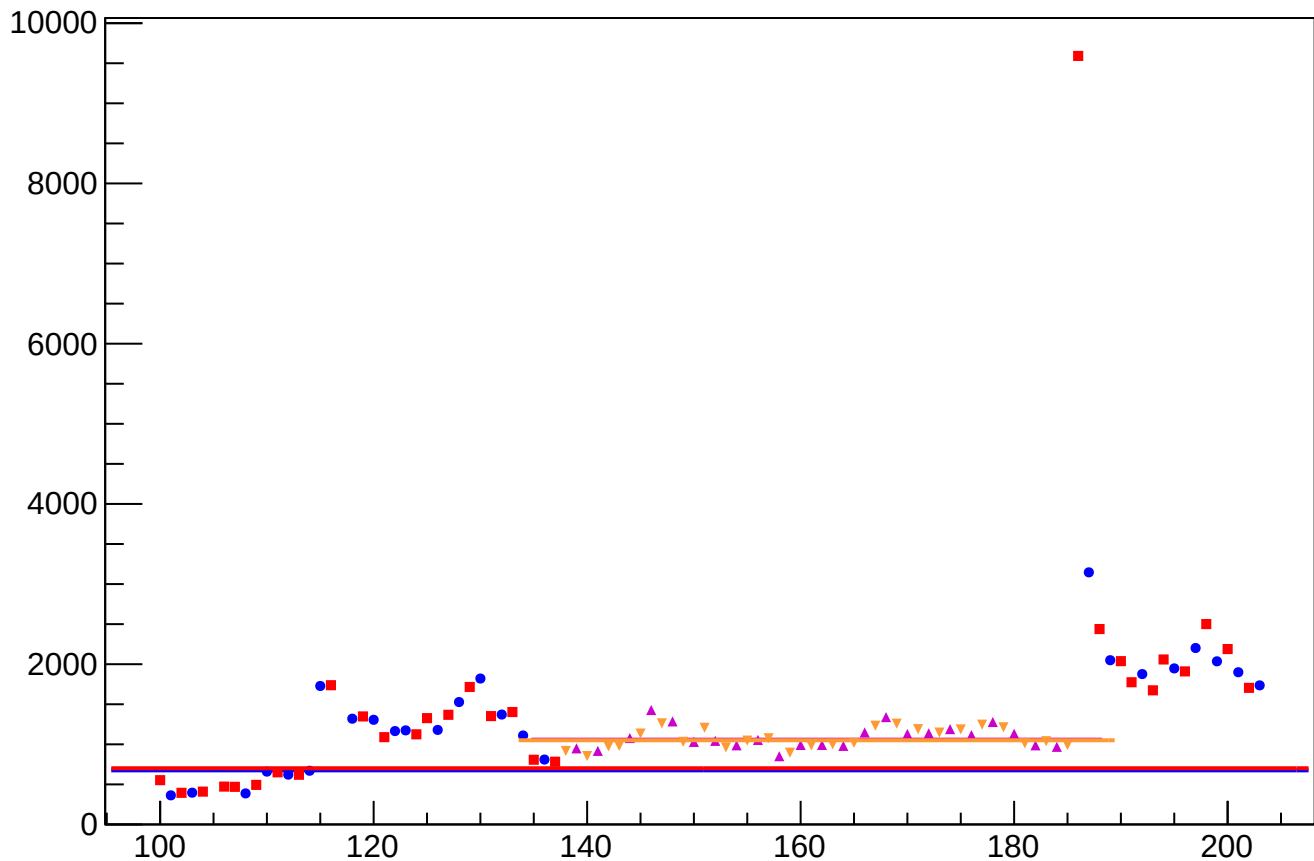
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -168.539 ± 172.019 χ^2/NDF : 54.6/49

All: -119.824 ± 122.095 χ^2/NDF : 121.7/101

- sign -70.365 ± 173.326 χ^2/NDF : 67.0/51

asym_sam6_rms vs Slug



Right In: 675.266+/-0.170 χ^2/NDF : 8336219.7/24

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 701.429+/-0.167 χ^2/NDF : 9064370.4/28

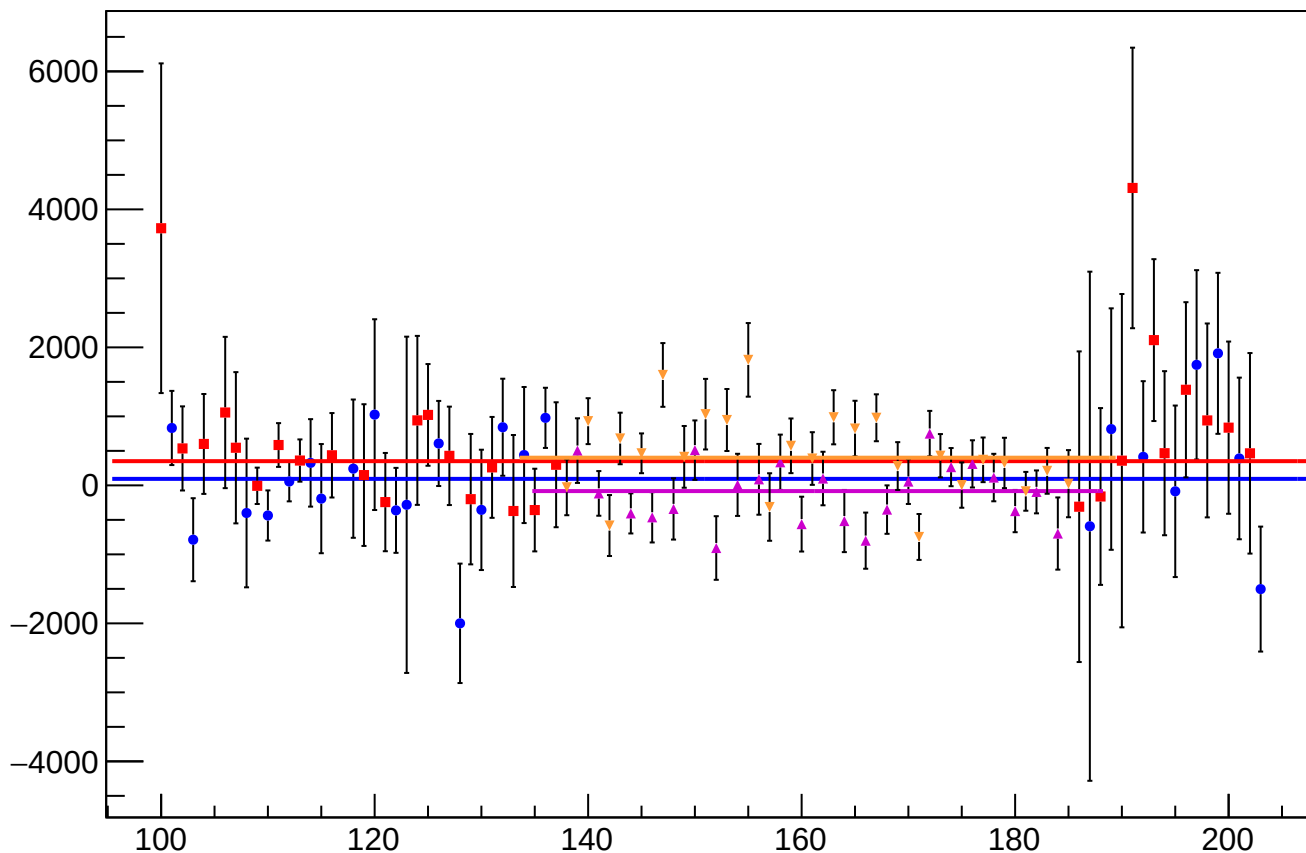
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 858.068+/-0.122 χ^2/NDF : 11198802.4/49

All: 861.847+/-0.086 χ^2/NDF : 22897735.8/10

- sign 865.684+/-0.123 χ^2/NDF : 11696987.9/51

asym_sam7_mean vs Slug



Right In: 94.162 ± 136.322 $\chi^2/\text{NDF}: 27.3/24$

Left Out: 400.988 ± 74.546 $\chi^2/\text{NDF}: 52.1/24$

Right Out: 350.807 ± 124.768 $\chi^2/\text{NDF}: 16.3/28$

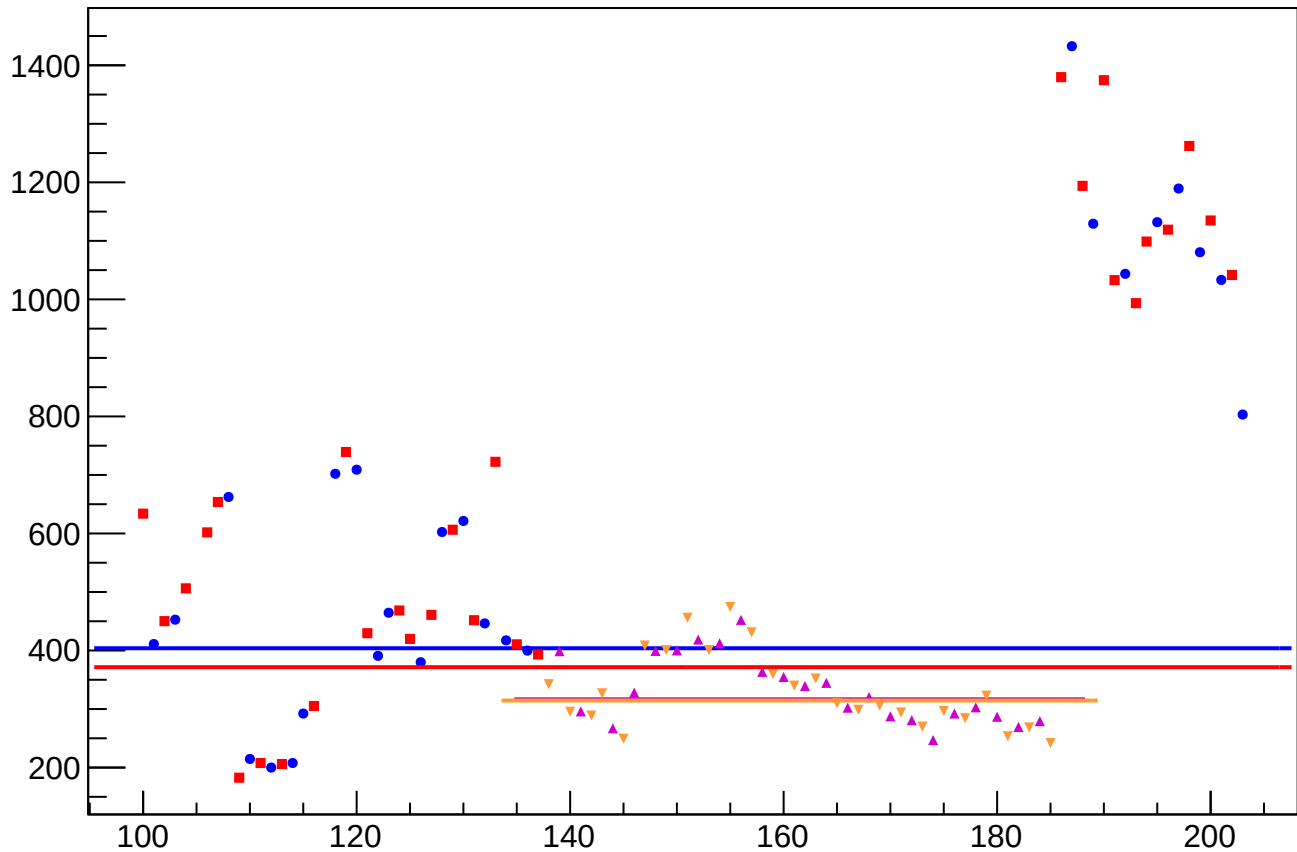
Left In: -82.890 ± 76.904 $\chi^2/\text{NDF}: 29.0/22$

+ sign 330.357 ± 65.406 $\chi^2/\text{NDF}: 83.2/49$

All: 183.574 ± 46.270 $\chi^2/\text{NDF}: 147.4/101$

- sign 36.515 ± 65.467 $\chi^2/\text{NDF}: 54.1/51$

asym_sam7_rms vs Slug



Right In: 403.884+/-0.096 χ^2/NDF : 6581619.4/24

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 371.535+/-0.088 χ^2/NDF : 8962327.4/28

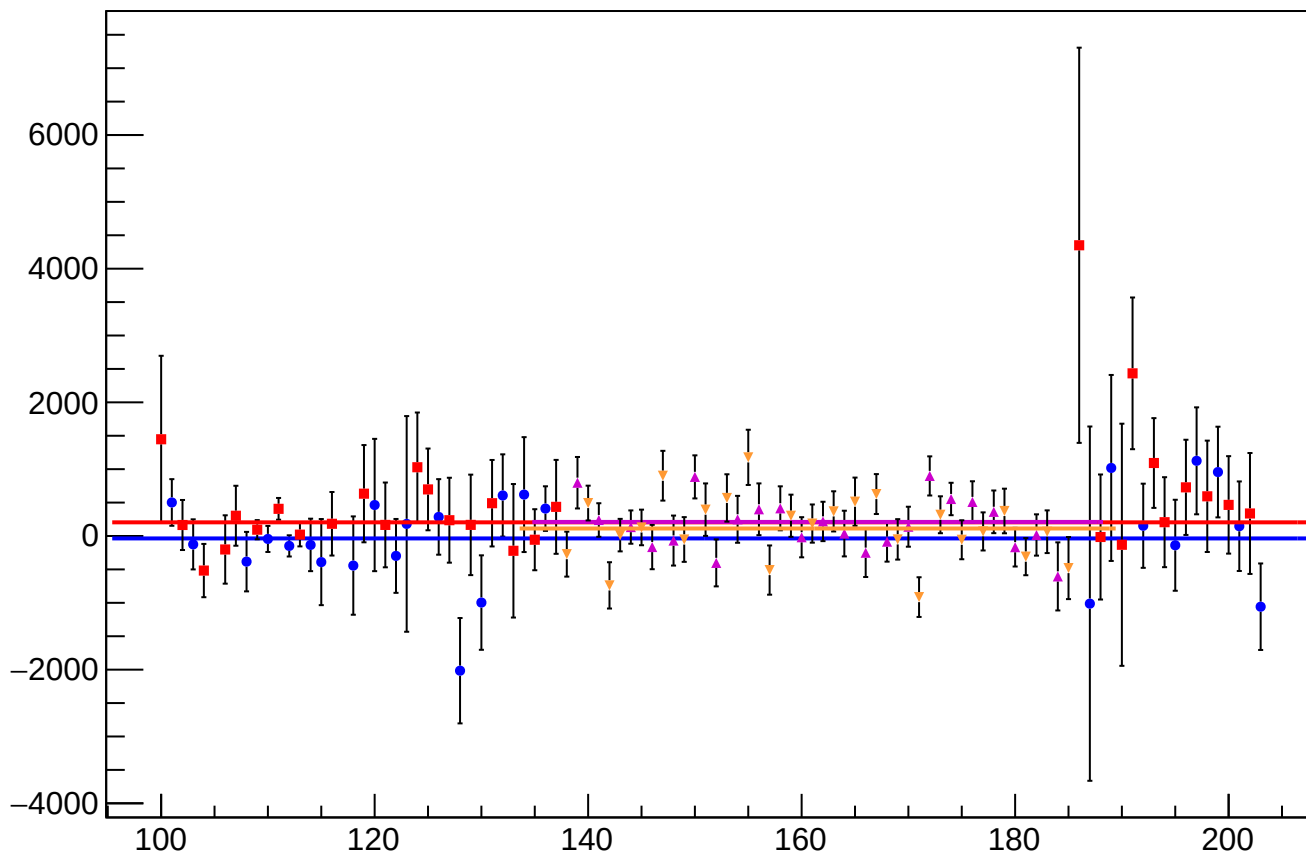
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 335.106+/-0.046 χ^2/NDF : 8355415.5/49

All: 333.434+/-0.033 χ^2/NDF : 18521727.3/100

- sign 331.758+/-0.046 χ^2/NDF : 10163695.4/51

asym_sam8_mean vs Slug



Right In: -36.442 ± 85.983 χ^2/NDF : 24.3/24

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 204.297 ± 74.109 χ^2/NDF : 19.6/28

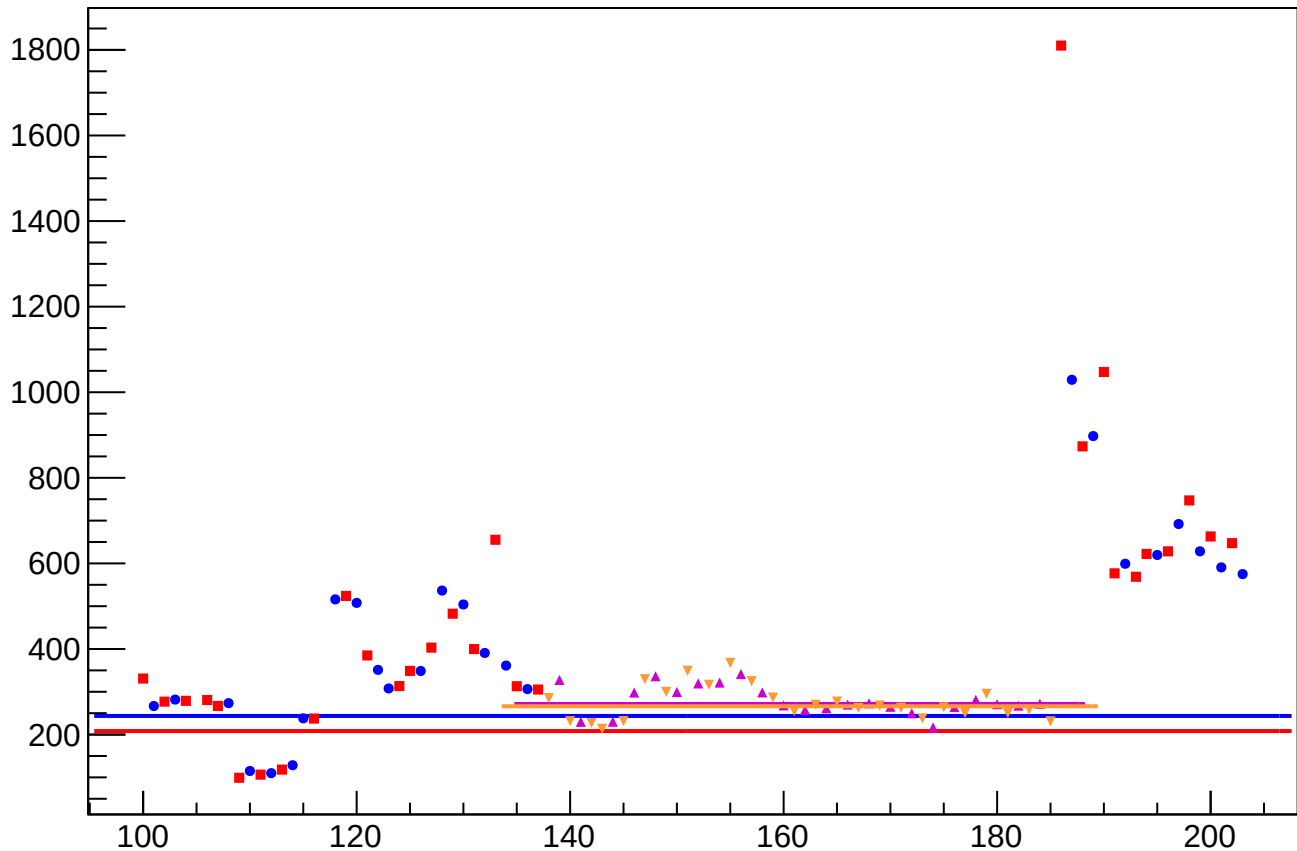
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 60.687 ± 50.631 χ^2/NDF : 75.4/49

All: 136.503 ± 35.241 χ^2/NDF : 128.5/101

- sign 207.753 ± 49.083 χ^2/NDF : 48.7/51

asym_sam8_rms vs Slug



Right In: 243.541 $\pm$ 0.061 χ^2 /NDF: 8035679.4/24

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 208.238 $\pm$ 0.052 χ^2 /NDF: 10889377.5/28

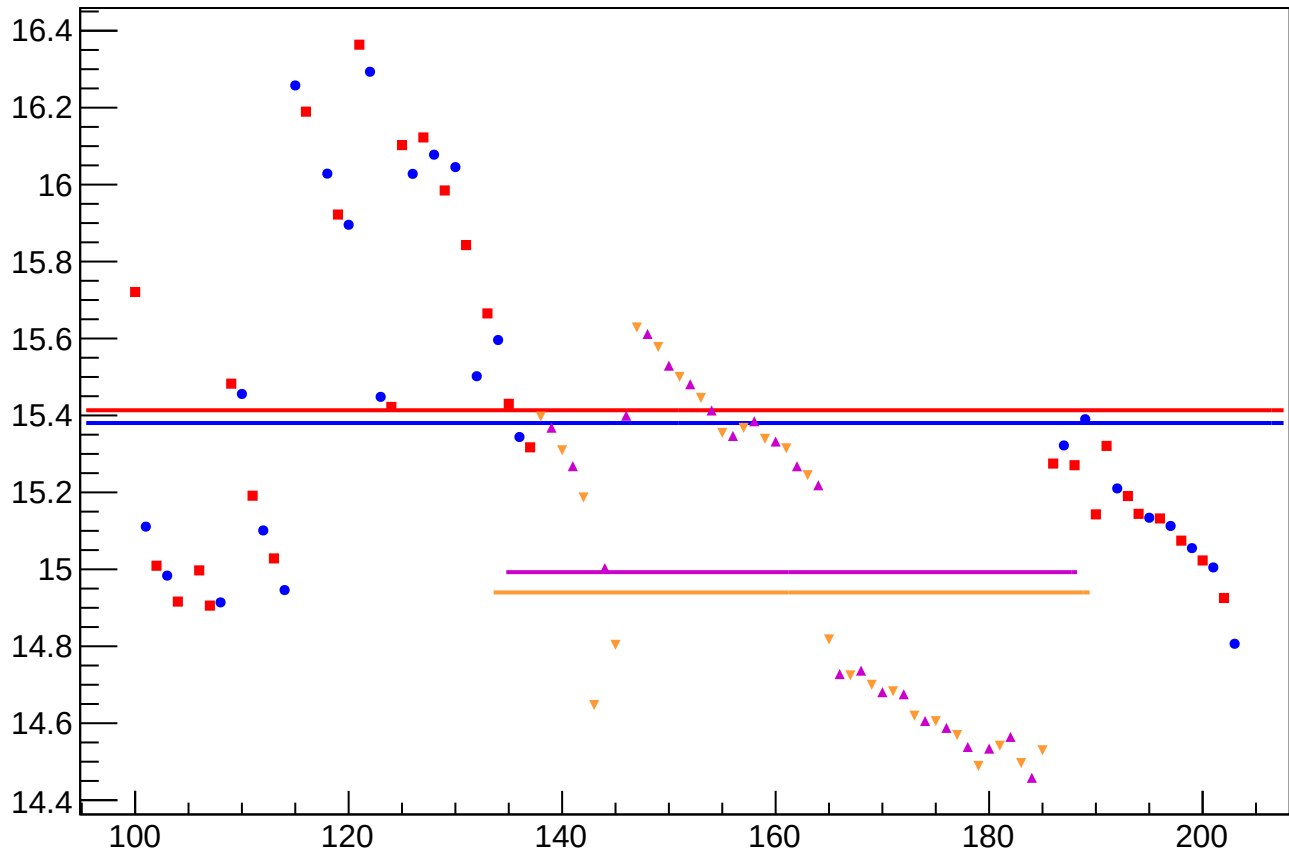
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 258.348 $\pm$ 0.036 χ^2 /NDF: 8776100.6/49

All: 250.798 $\pm$ 0.025 χ^2 /NDF: 21089546.3/10

- sign 243.702 $\pm$ 0.035 χ^2 /NDF: 12227176.0/51

yield_sam1_mean vs Slug



Right In: 15.380+/-0.000 χ^2/NDF : 11038064954.2/24

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.413+/-0.000 χ^2/NDF : 10252771799.4/28

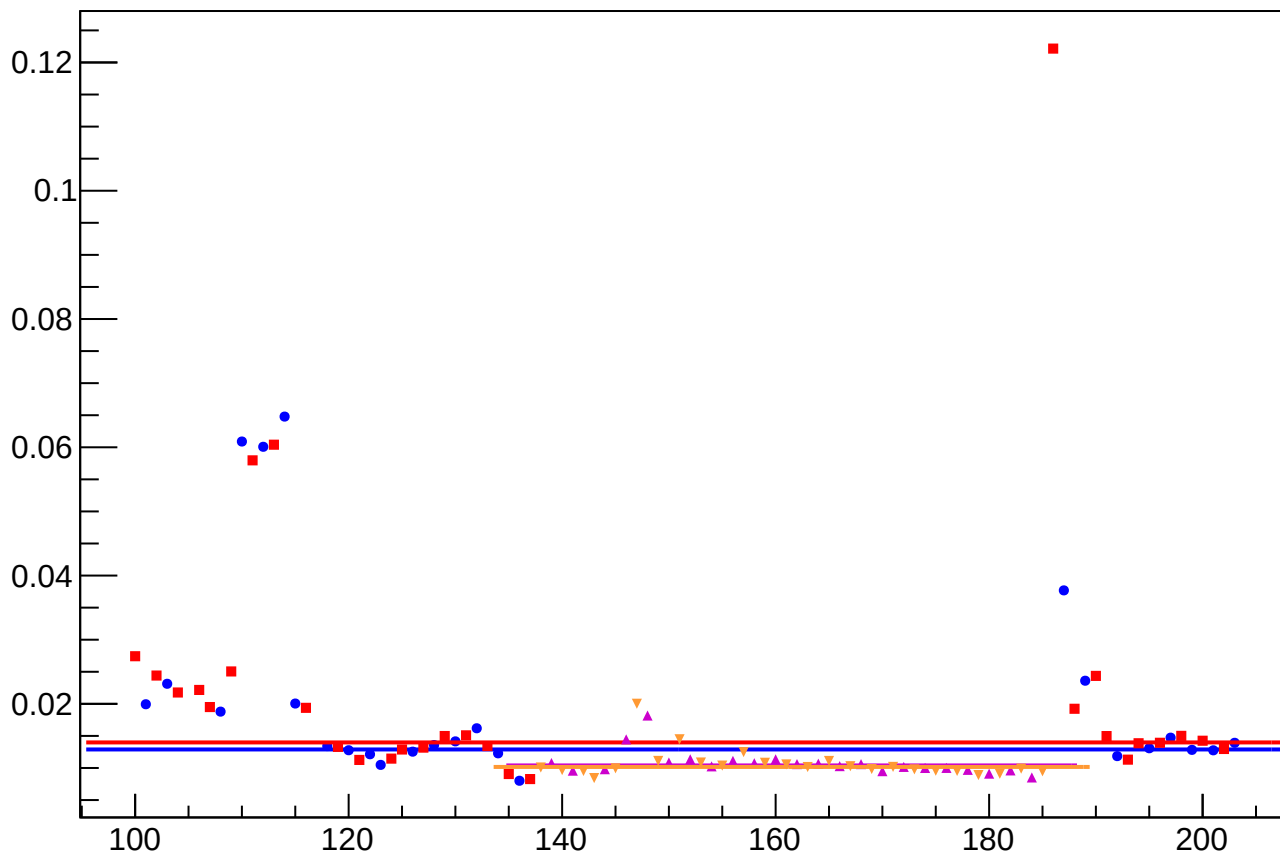
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.059+/-0.000 χ^2/NDF : 44030919109.1/49

All: 15.082+/-0.000 χ^2/NDF : 83921308377.0

- sign 15.108+/-0.000 χ^2/NDF : 39634548204.4/51

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2493195.8/24

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2987574.4/28

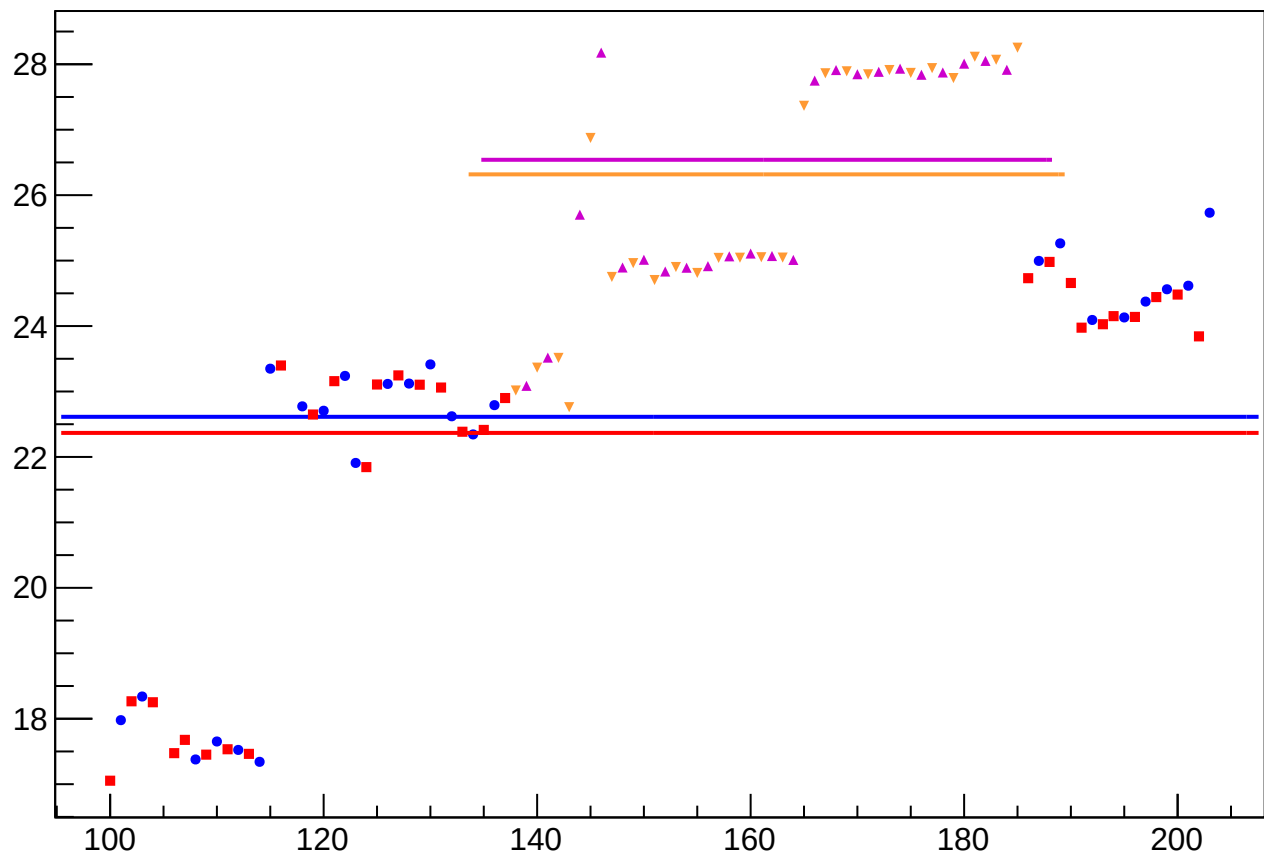
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3883508.2/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8534154.5/101

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4601202.7/51

yield_sam2_mean vs Slug



Right In: 22.613+/-0.000 χ^2/NDF : 1197102569.2/24

Left Out: 26.318+/-0.000 χ^2/NDF : 4715403741.0/24

Right Out: 22.367+/-0.000 χ^2/NDF : 1321221279.4/28

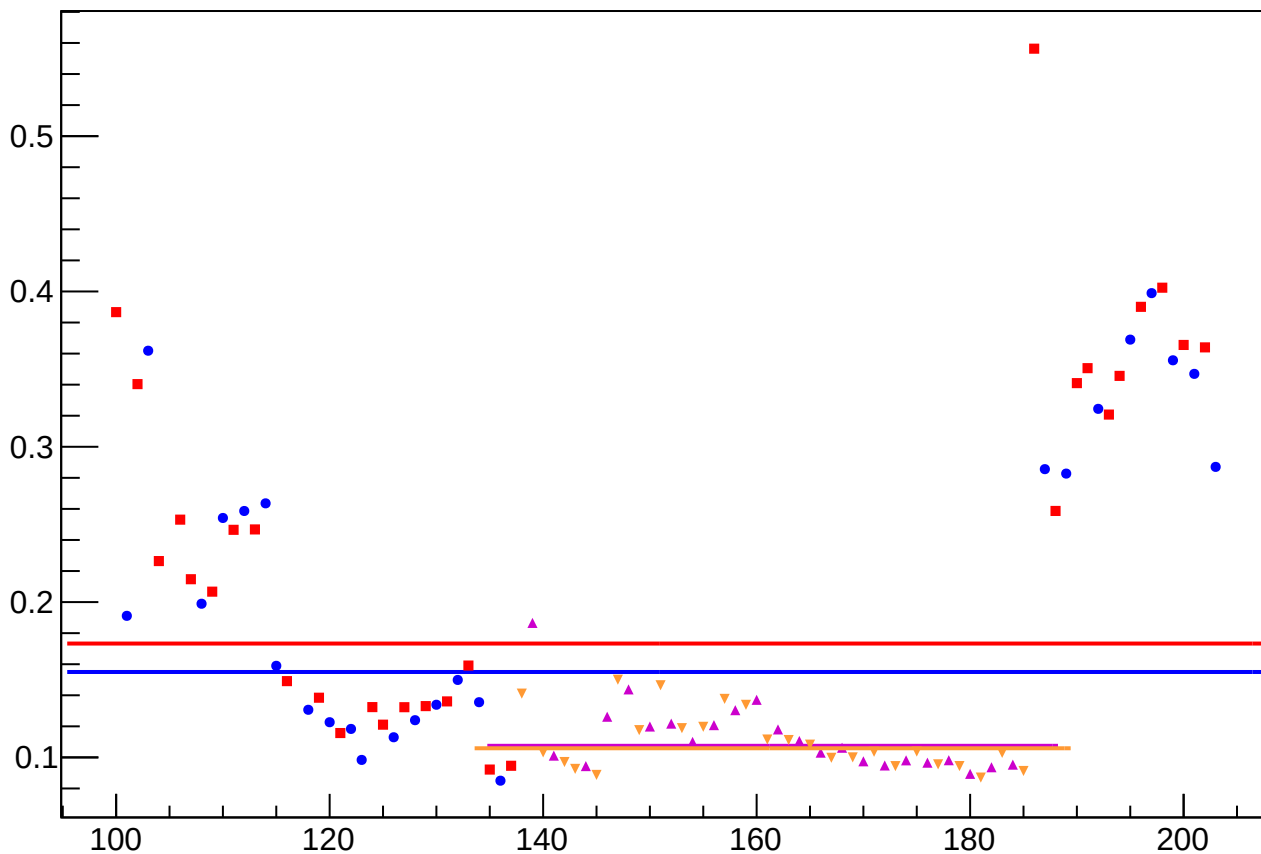
Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.566+/-0.000 χ^2/NDF : 9837314178.0/49

All: 25.630+/-0.000 χ^2/NDF : 19033425616.0

- sign 25.699+/-0.000 χ^2/NDF : 9181340133.4/51

yield_sam2_rms vs Slug



Right In: 0.155+/-0.000 χ^2/NDF : 5104429.1/24

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.173+/-0.000 χ^2/NDF : 5274557.2/28

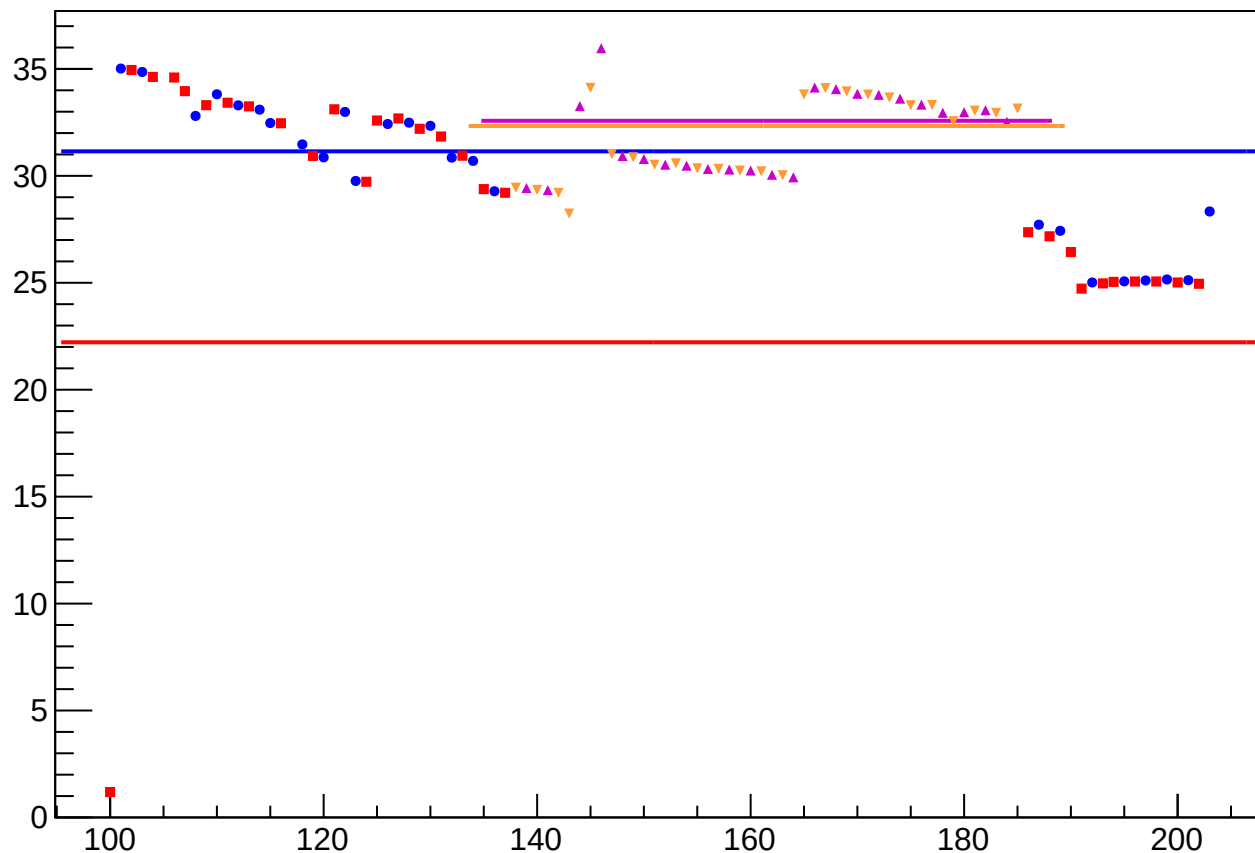
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.116+/-0.000 χ^2/NDF : 7217459.8/49

All: 0.118+/-0.000 χ^2/NDF : 15569570.3/101

- sign 0.121+/-0.000 χ^2/NDF : 8311356.0/51

yield_sam3_mean vs Slug



Right In: 31.146+/-0.000 χ^2/NDF : 5014543942.3/24

Left Out: 32.331+/-0.000 χ^2/NDF : 12850475096.2/24

Right Out: 22.219+/-0.000 χ^2/NDF : 230906039157.4/28

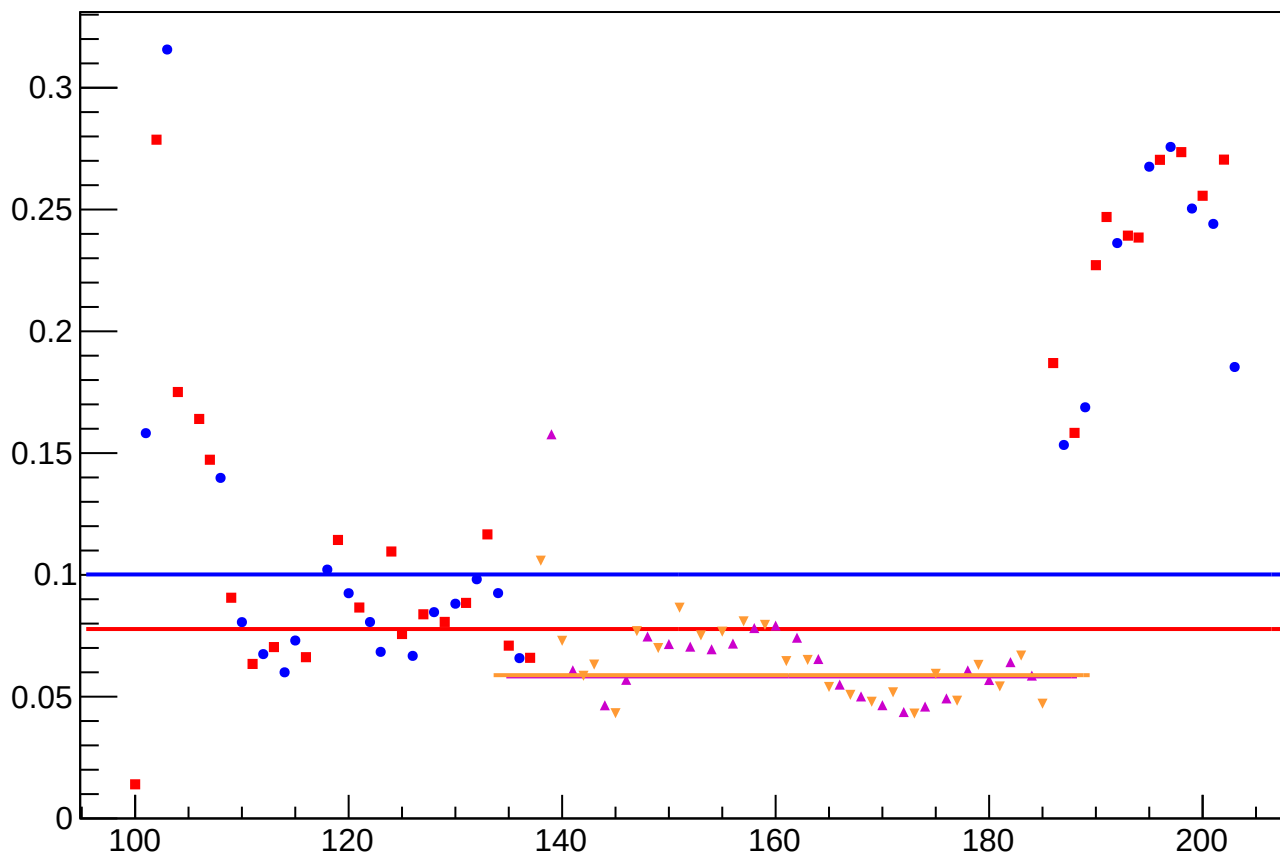
Left In: 32.574+/-0.000 χ^2/NDF : 11797772603.7/22

+ sign 32.133+/-0.000 χ^2/NDF : 18827823315.2/49

All: 31.136+/-0.000 χ^2/NDF : 368542800218.

- sign 30.174+/-0.000 χ^2/NDF : 340108345477.0/51

yield_sam3_rms vs Slug



Right In: 0.100 $\pm$ 0.000 χ^2 /NDF: 5061685.4/24

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.078 $\pm$ 0.000 χ^2 /NDF: 9679788.3/28

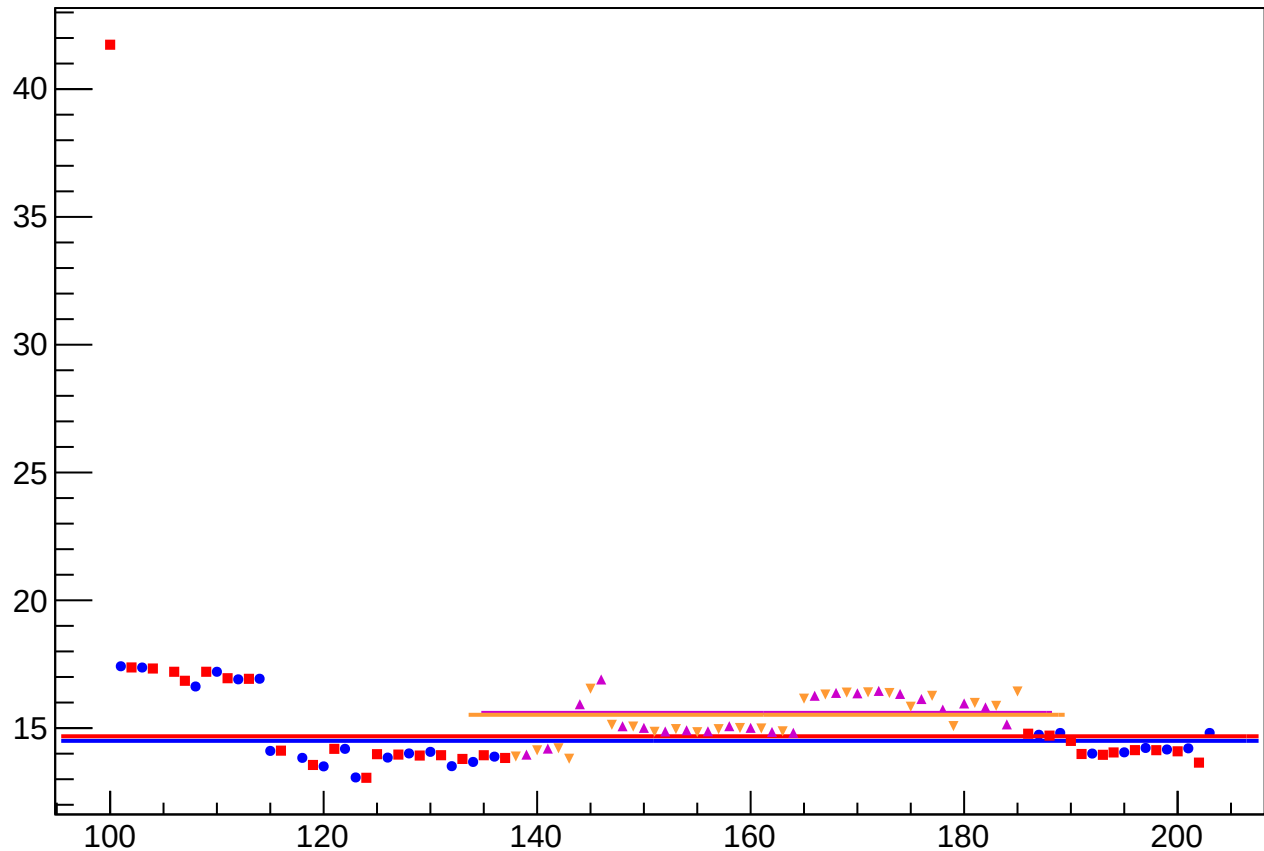
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.066 $\pm$ 0.000 χ^2 /NDF: 8806472.9/49

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 20742143.7/101

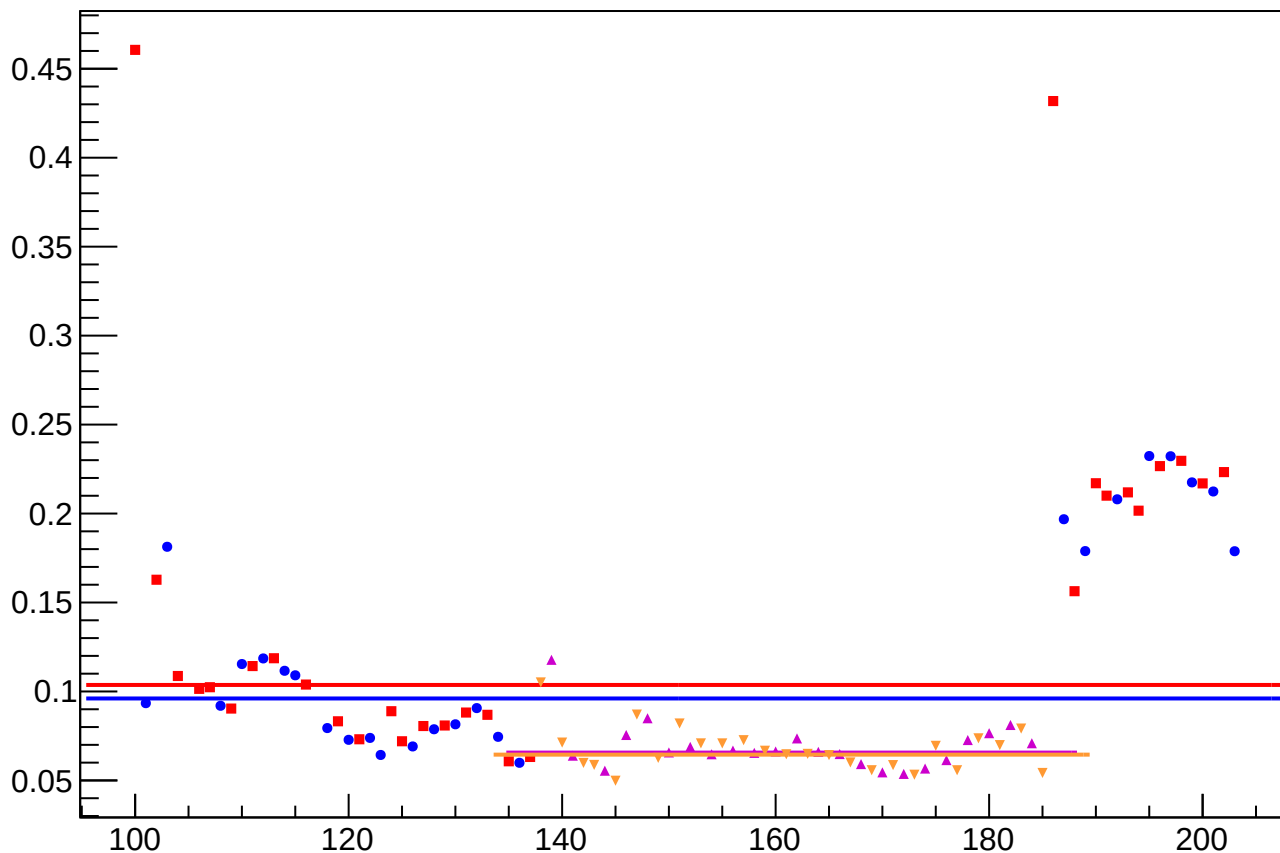
- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 11892970.0/51

yield_sam4_mean vs Slug



Right In: 14.502+/-0.000	χ^2/NDF : 1502285247.5/24	+ sign 15.309+/-0.000	χ^2/NDF : 4902673932.7/49
Left Out: 15.521+/-0.000	χ^2/NDF : 2591377740.5/24	All: 15.352+/-0.000	χ^2/NDF : 9402595724.6/1
Right Out: 14.680+/-0.000	χ^2/NDF : 1953260601.4/28	- sign 15.398+/-0.000	χ^2/NDF : 4481980798.7/51
Left In: 15.595+/-0.000	χ^2/NDF : 1908733580.5/22		

yield_sam4_rms vs Slug



Right In: 0.096 $\pm$ 0.000 χ^2 /NDF: 4339149.6/24

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.104 $\pm$ 0.000 χ^2 /NDF: 4608485.1/28

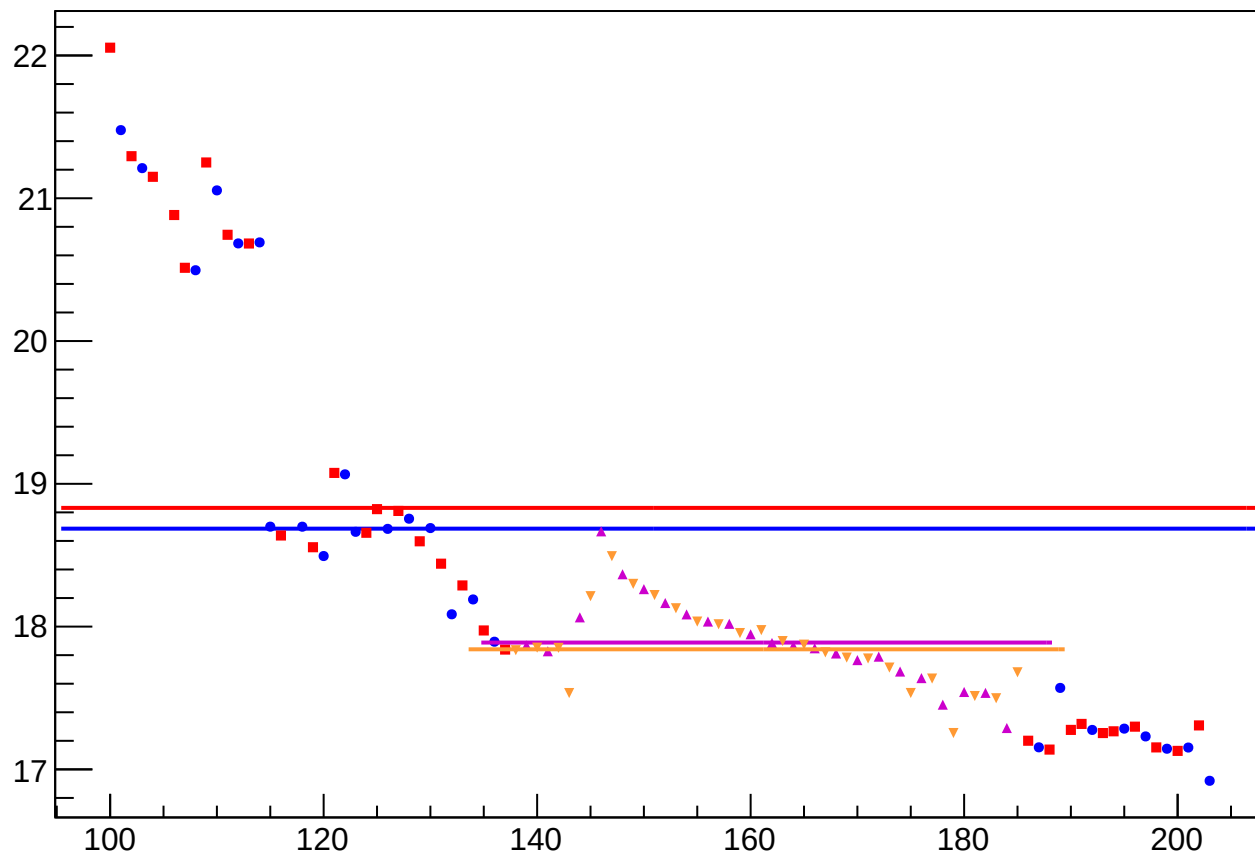
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 6652282.4/49

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 14151509.5/101

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 7463888.3/51

yield_sam5_mean vs Slug



Right In: 18.686 $\pm$ 0.000 χ^2 /NDF: 27528614618.8/24

Left Out: 17.841 $\pm$ 0.000 χ^2 /NDF: 1283287989.7/24

Right Out: 18.831 $\pm$ 0.000 χ^2 /NDF: 28648829211.4/28

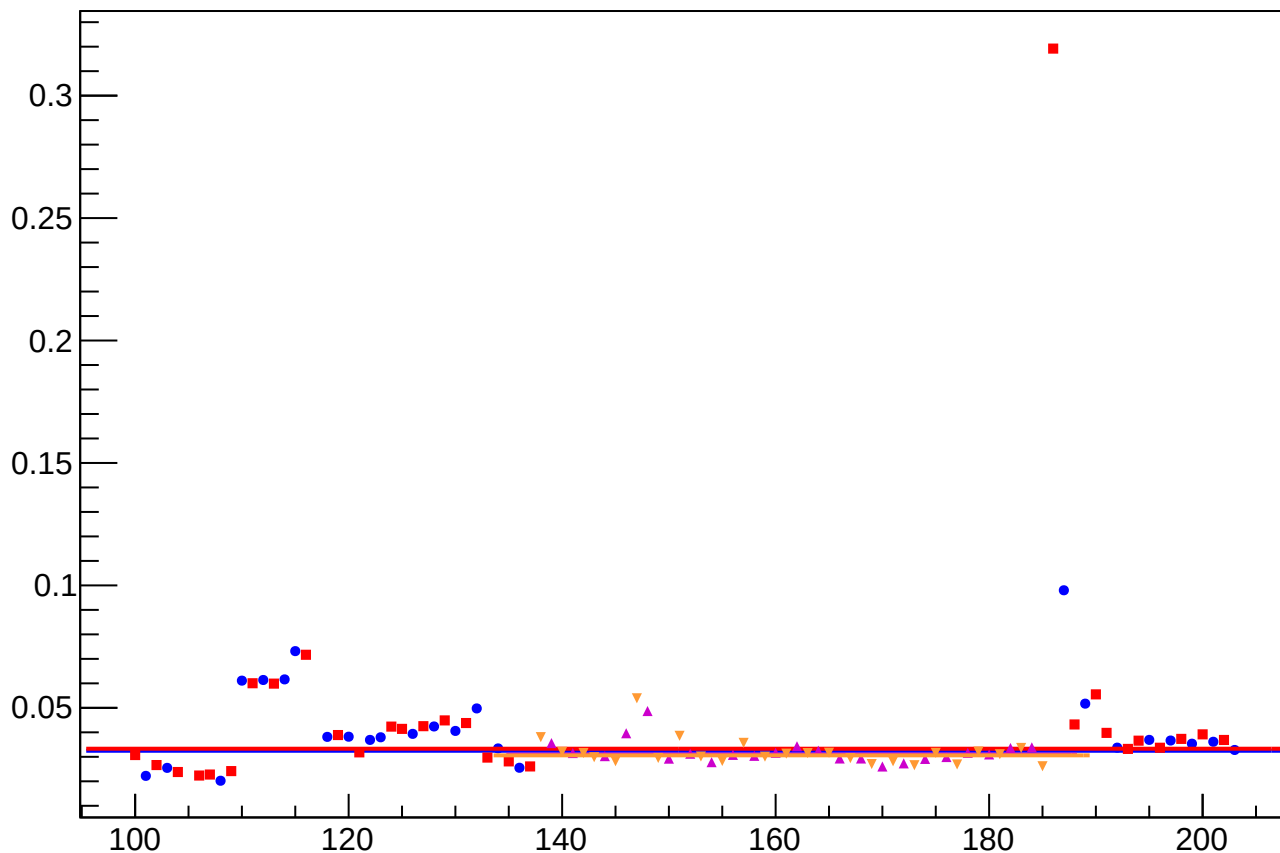
Left In: 17.888 $\pm$ 0.000 χ^2 /NDF: 1203002311.3/22

+ sign 18.138 $\pm$ 0.000 χ^2 /NDF: 33493959656.3/49

All: 18.189 $\pm$ 0.000 χ^2 /NDF: 69278634415.0

- sign 18.241 $\pm$ 0.000 χ^2 /NDF: 35634541946.2/51

yield_sam5_rms vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 1690163.6/24

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 2131242.4/28

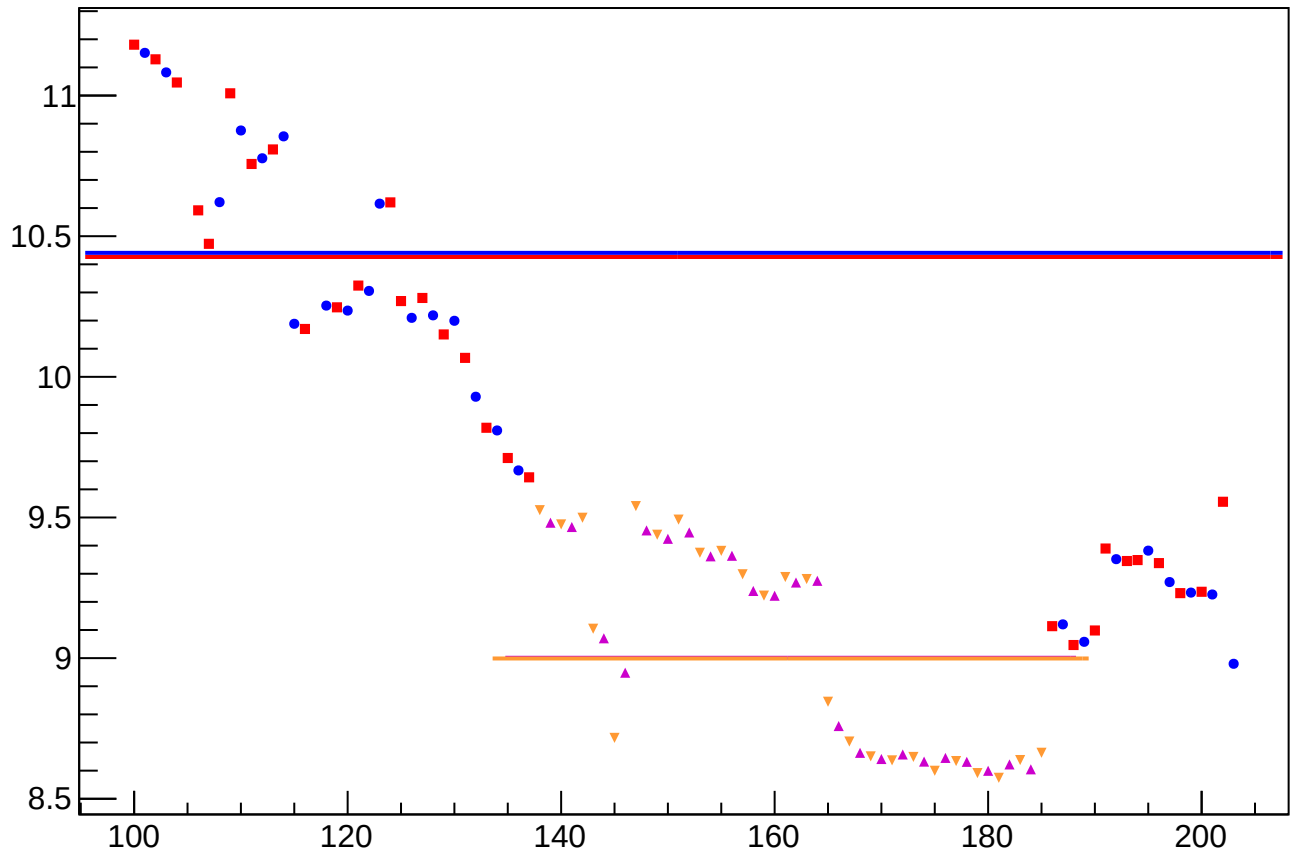
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2326550.6/49

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 4994742.6/101

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2660056.7/51

yield_sam6_mean vs Slug



Right In: 10.441 $\pm$ 0.000 χ^2 /NDF: 12549180995.1/24

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.426 $\pm$ 0.000 χ^2 /NDF: 10847584041.6/28

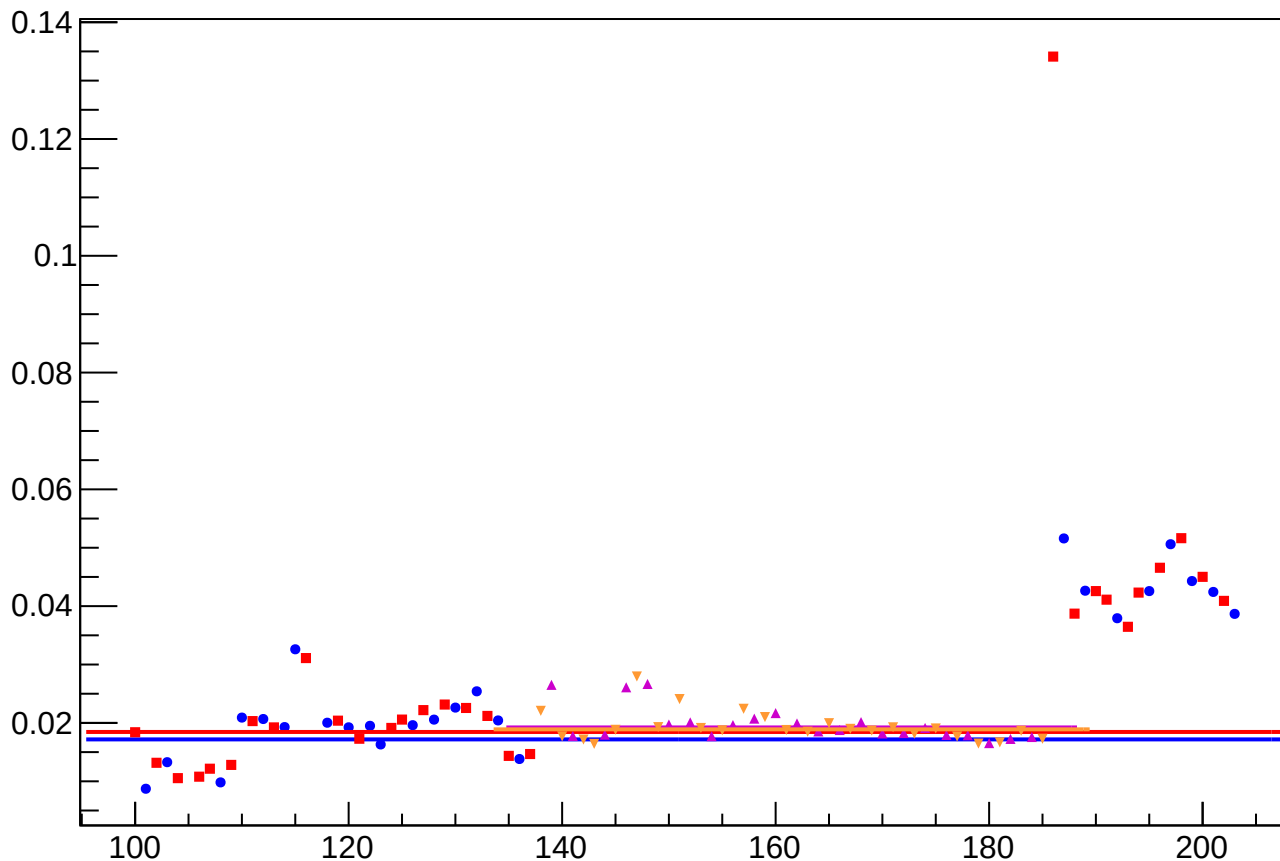
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.550 $\pm$ 0.000 χ^2 /NDF: 56266926184.7/49

All: 9.560 $\pm$ 0.000 χ^2 /NDF: 107204395398.5

- sign 9.571 $\pm$ 0.000 χ^2 /NDF: 50920557904.1/51

yield_sam6_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 5673402.7/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:428169.5/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 5857257.7/28

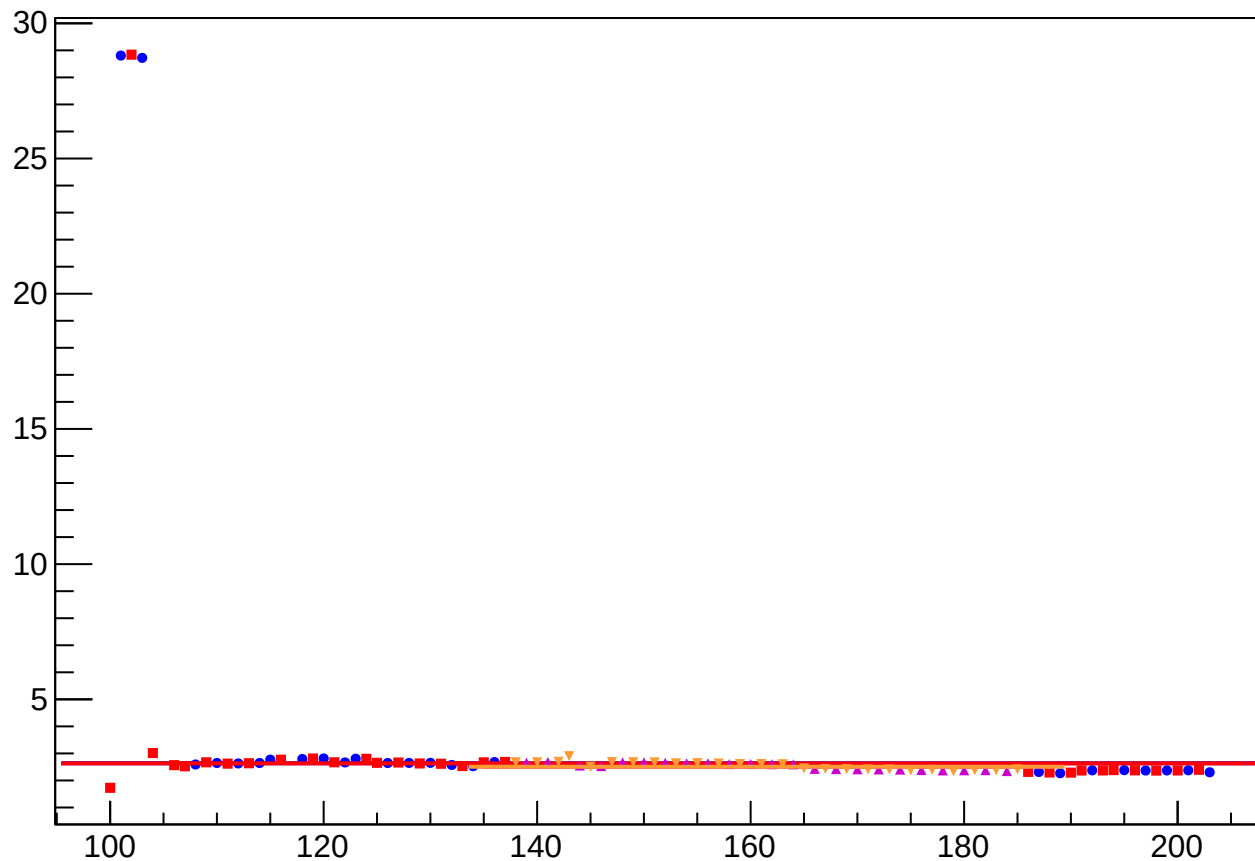
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:481824.0/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 6207780.6/49

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 12600915.7/101

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 6359553.2/51

yield_sam7_mean vs Slug



Right In: 2.637 $\pm$ 0.000 χ^2 /NDF: 174706140448.5/24

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.632 $\pm$ 0.000 χ^2 /NDF: 83486674302.9/28

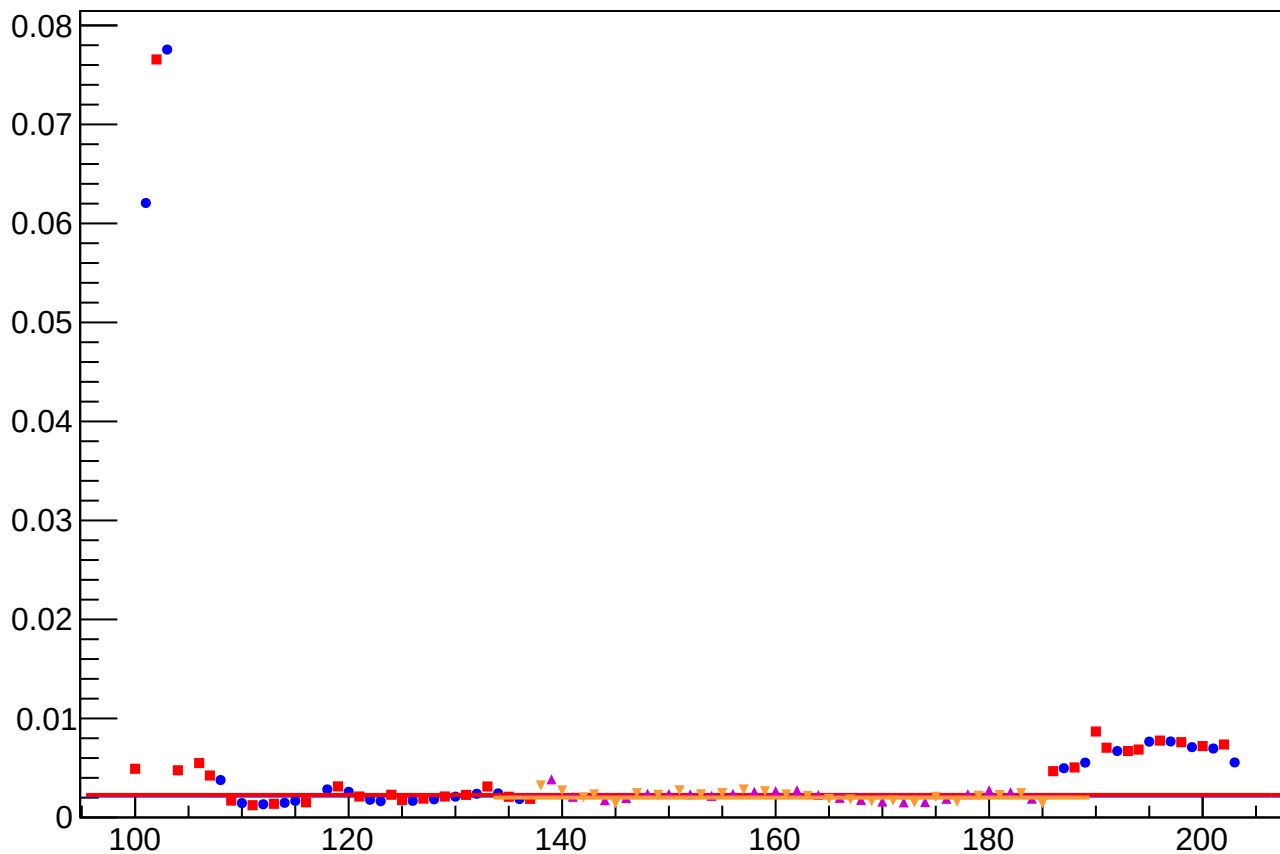
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.544 $\pm$ 0.000 χ^2 /NDF: 256889568640.3/49

All: 2.545 $\pm$ 0.000 χ^2 /NDF: 400171267582.5

- sign 2.546 $\pm$ 0.000 χ^2 /NDF: 143274795655.5/51

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7873926.4/24

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8293332.4/28

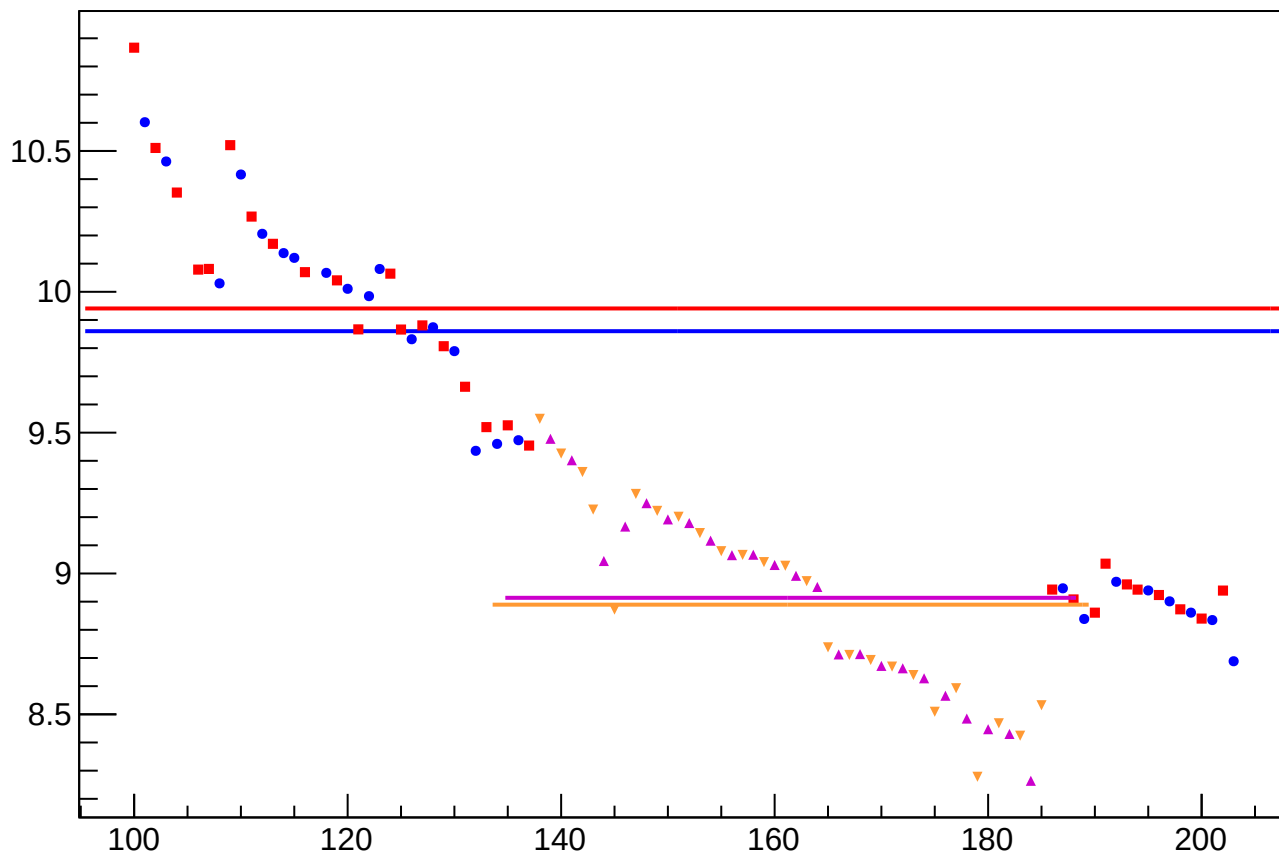
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9430418.7/49

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 19146274.2/101

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 9695898.5/51

yield_sam8_mean vs Slug



Right In: 9.860 $\pm$ 0.000 χ^2 /NDF: 45226346592.5/24

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.941 $\pm$ 0.000 χ^2 /NDF: 46009042672.7/28

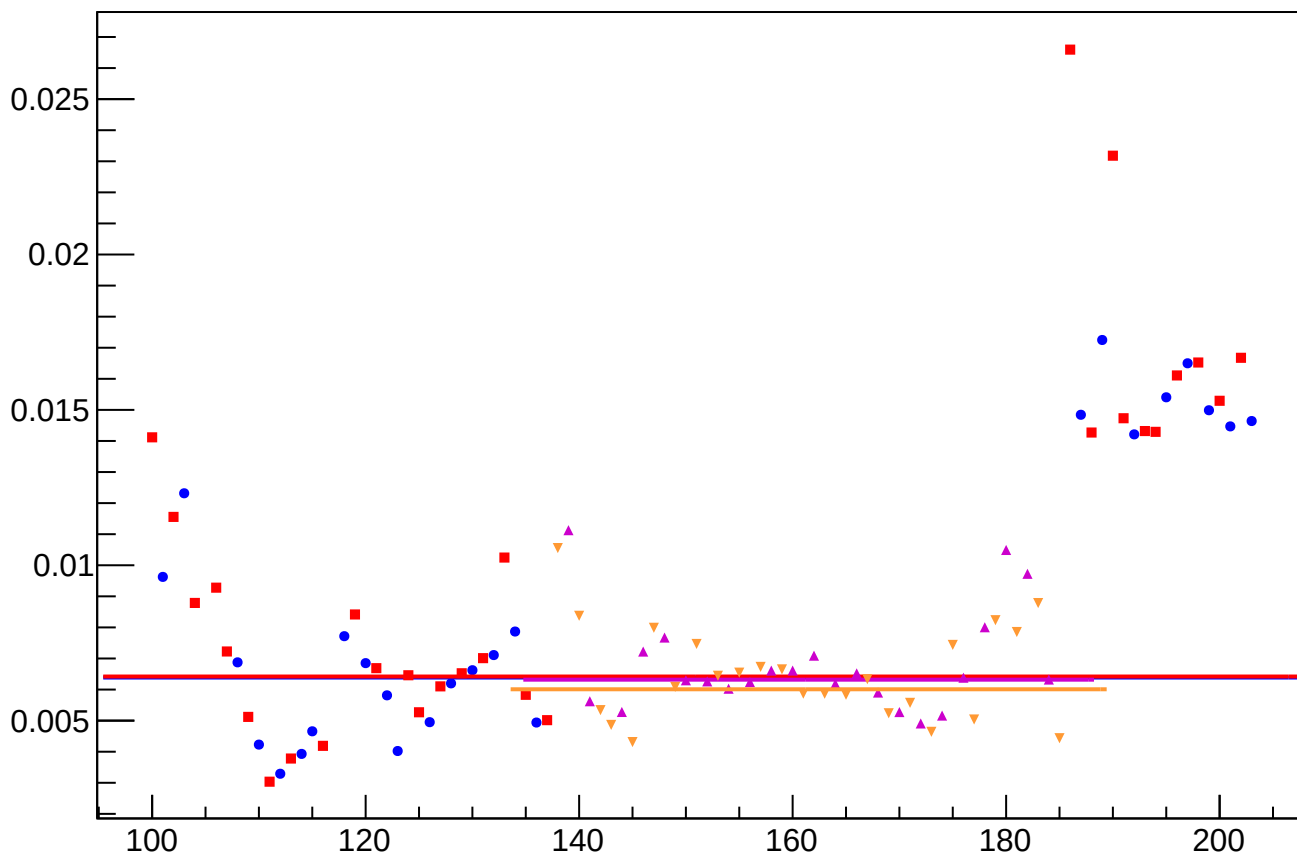
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.216 $\pm$ 0.000 χ^2 /NDF: 207805310865.9/49

All: 9.261 $\pm$ 0.000 χ^2 /NDF: 425761226172.9

- sign 9.308 $\pm$ 0.000 χ^2 /NDF: 215508074888.3/51

yield_sam8_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 5278287.2/24

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 6688391.7/28

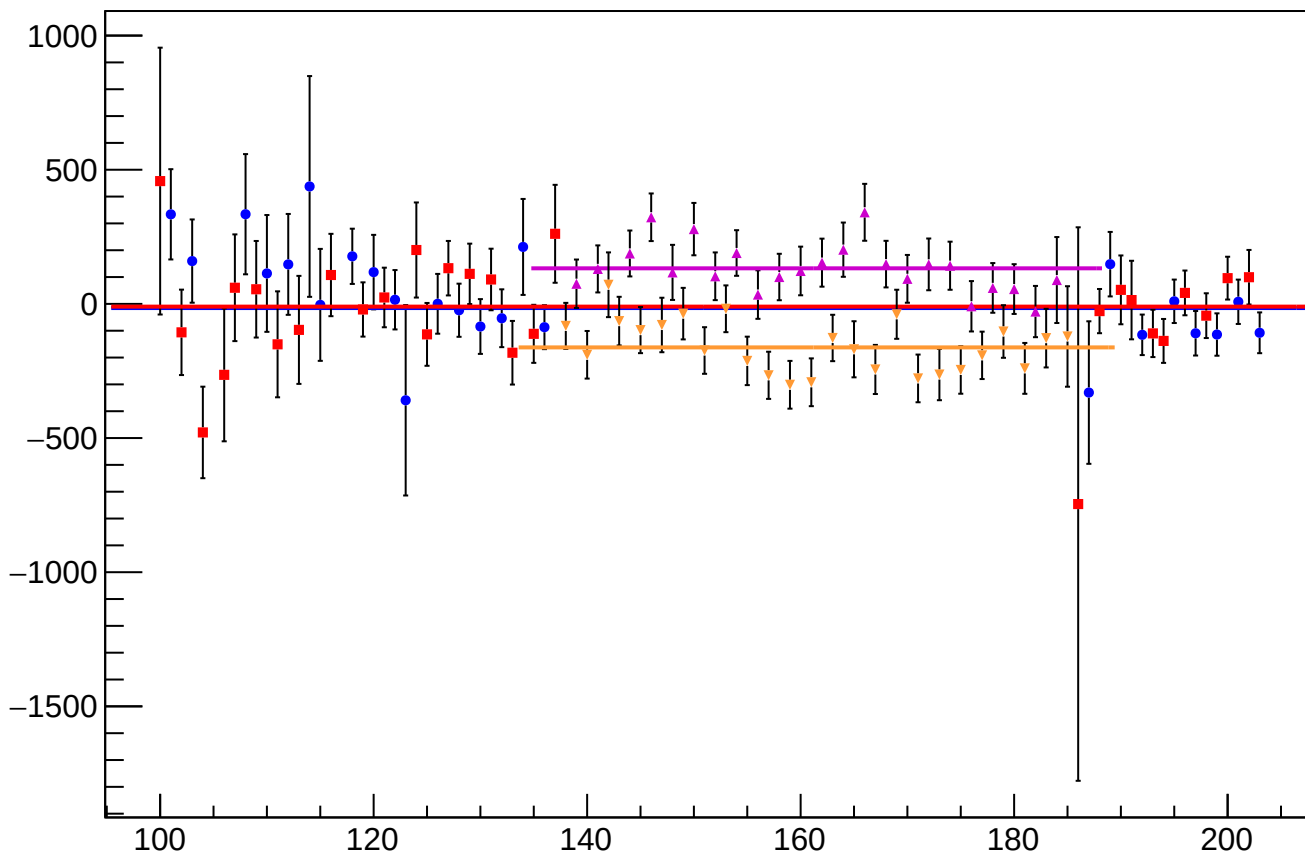
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6629627.8/49

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 14436279.2/101

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7778197.8/51

reg_asym_sam1_mean vs Slug



Right In: -15.499 ± 22.401 χ^2/NDF : 28.3/24

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -10.202 ± 22.141 χ^2/NDF : 30.8/28

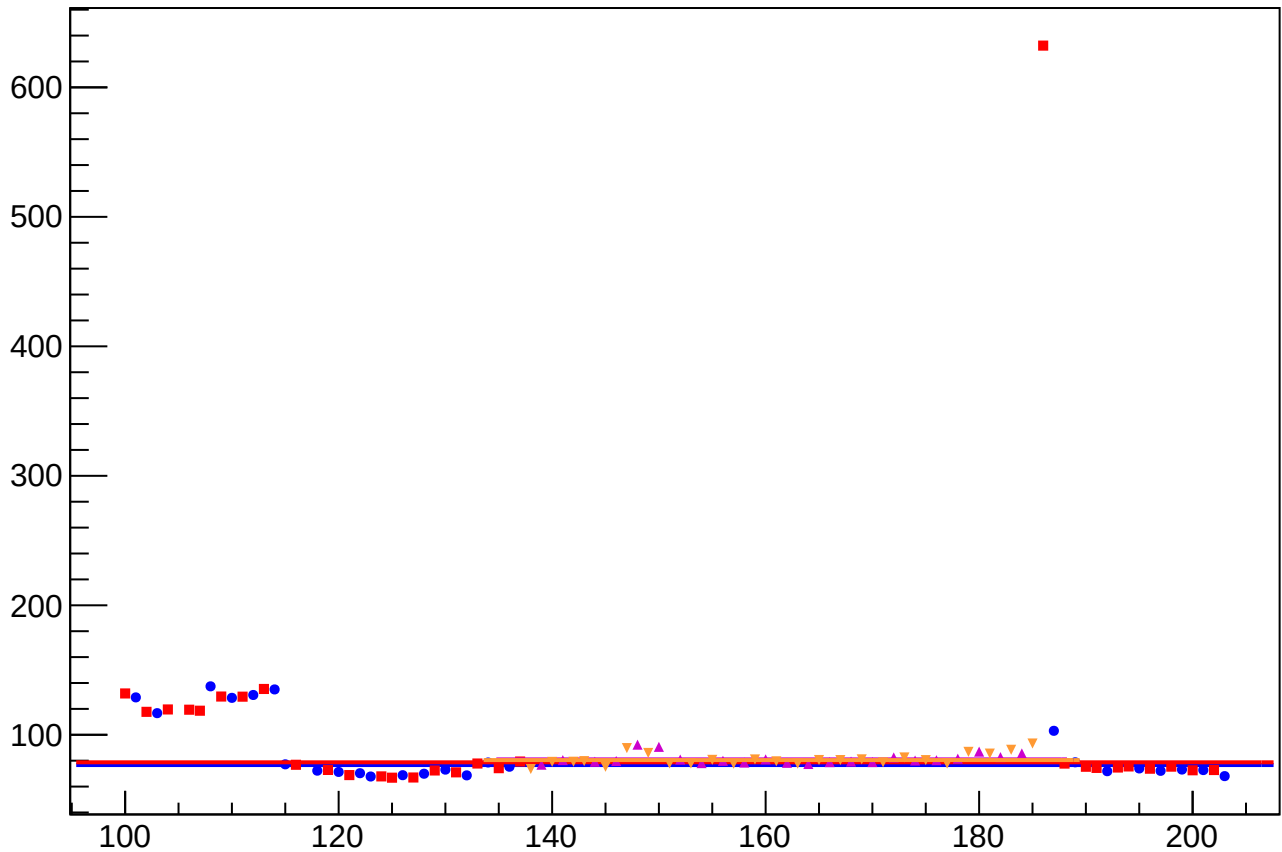
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -101.760 ± 14.376 χ^2/NDF : 79.2/49

All: -16.899 ± 10.241 χ^2/NDF : 225.0/101

- sign 70.543 ± 14.593 χ^2/NDF : 75.1/51

reg_asym_sam1_rms vs Slug



Right In: 76.632 $\pm$ 0.016 χ^2 /NDF: 910554.3/24

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 78.746 $\pm$ 0.016 χ^2 /NDF: 1553331.4/28

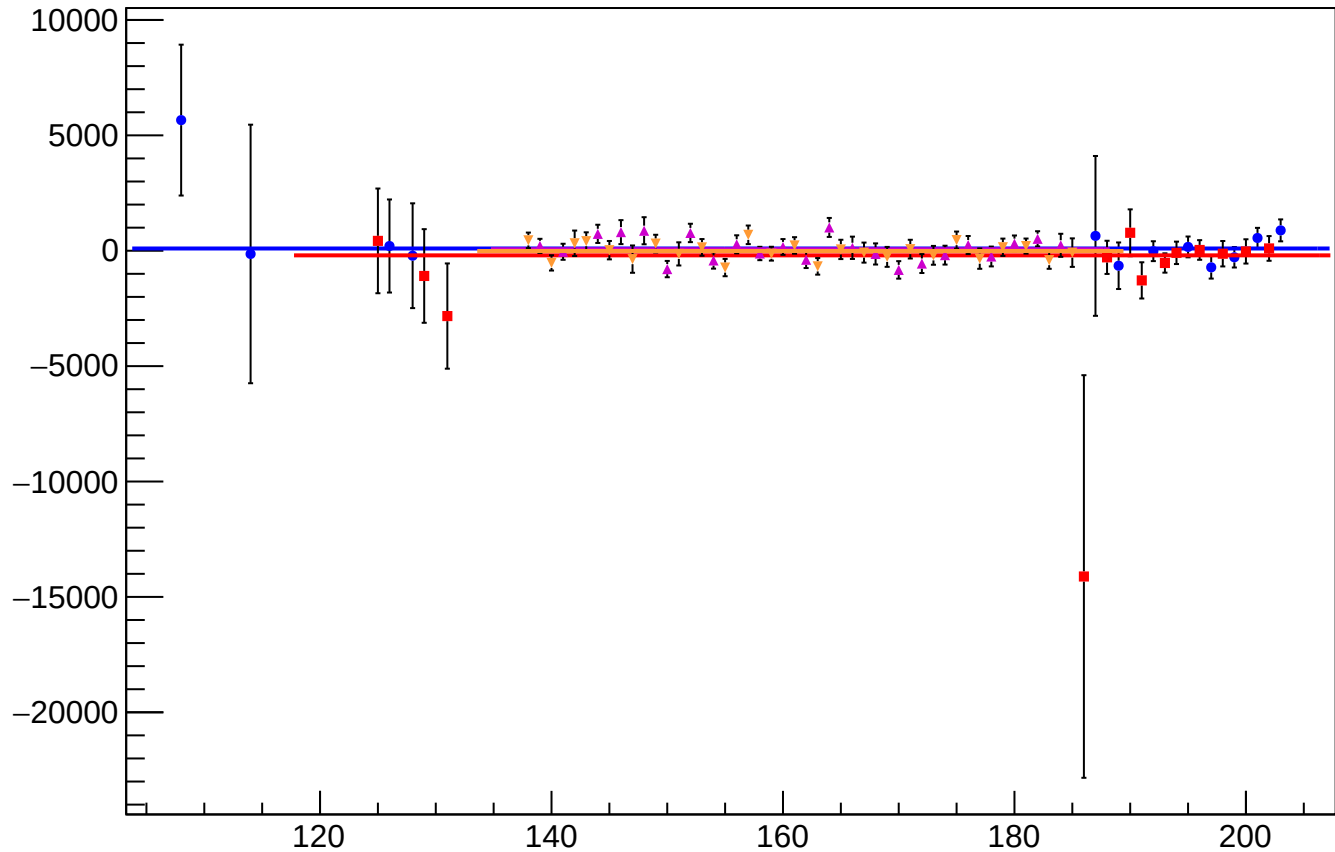
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 78.883 $\pm$ 0.010 χ^2 /NDF: 1034831.8/49

All: 79.447 $\pm$ 0.007 χ^2 /NDF: 2678540.2/101

- sign 80.029 $\pm$ 0.010 χ^2 /NDF: 1637444.9/51

asym_sam1_correction_mean vs Slug



Right In: 97.429+/-180.002 χ^2/NDF : 10.9/11

Left Out: -10.486+/-78.391 χ^2/NDF : 22.5/24

Right Out: -200.023+/-179.462 χ^2/NDF : 8.4/12

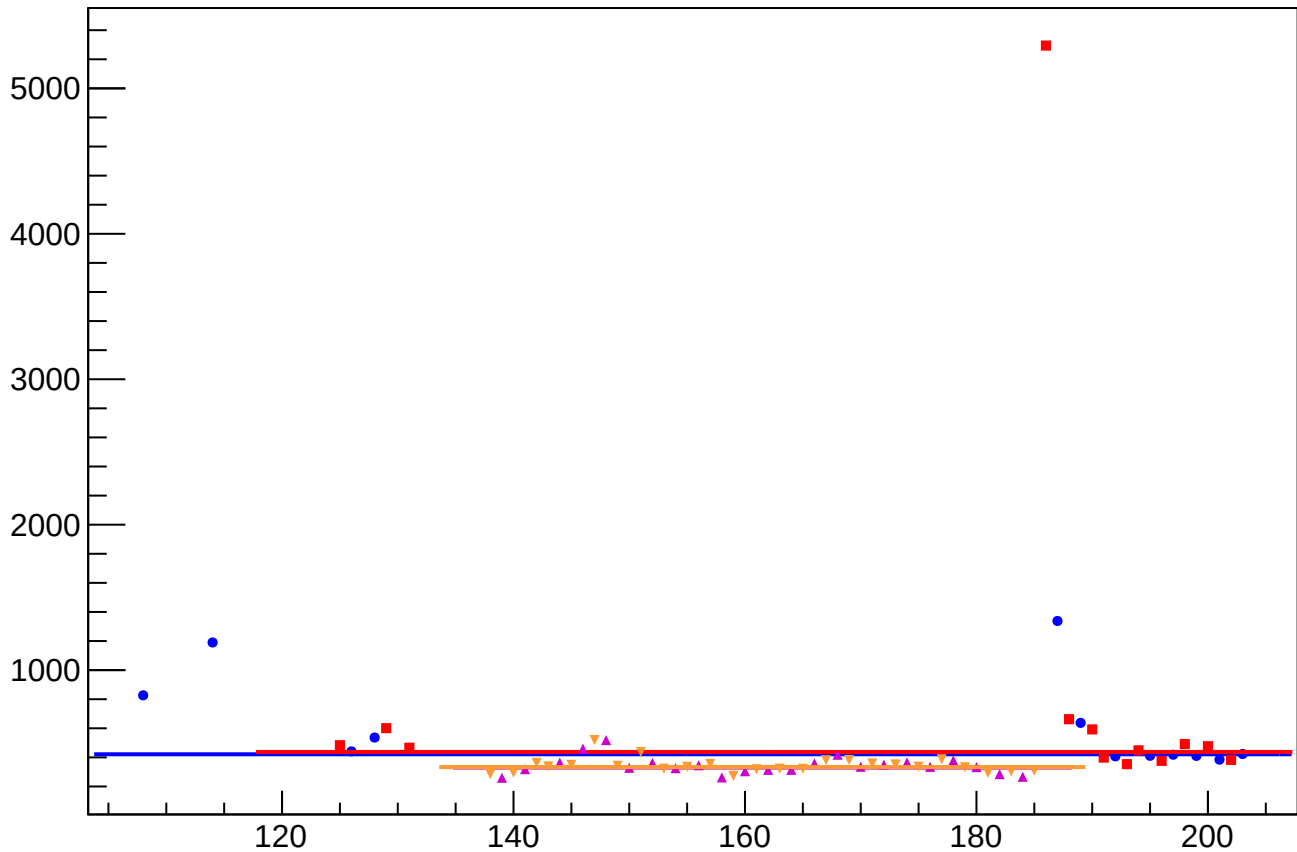
Left In: 64.591+/-80.047 χ^2/NDF : 37.4/22

+ sign 6.718+/-71.871 χ^2/NDF : 33.8/36

All: 13.581+/-51.251 χ^2/NDF : 81.4/72

- sign 20.682+/-73.104 χ^2/NDF : 47.6/35

asym_sam1_correction_rms vs Slug



Right In: 421.399 ± 0.127 χ^2/NDF : 324145.0/11

Left Out: 333.233 ± 0.055 χ^2/NDF : 592122.2/24

Right Out: 437.380 ± 0.127 χ^2/NDF : 1056649.2/12

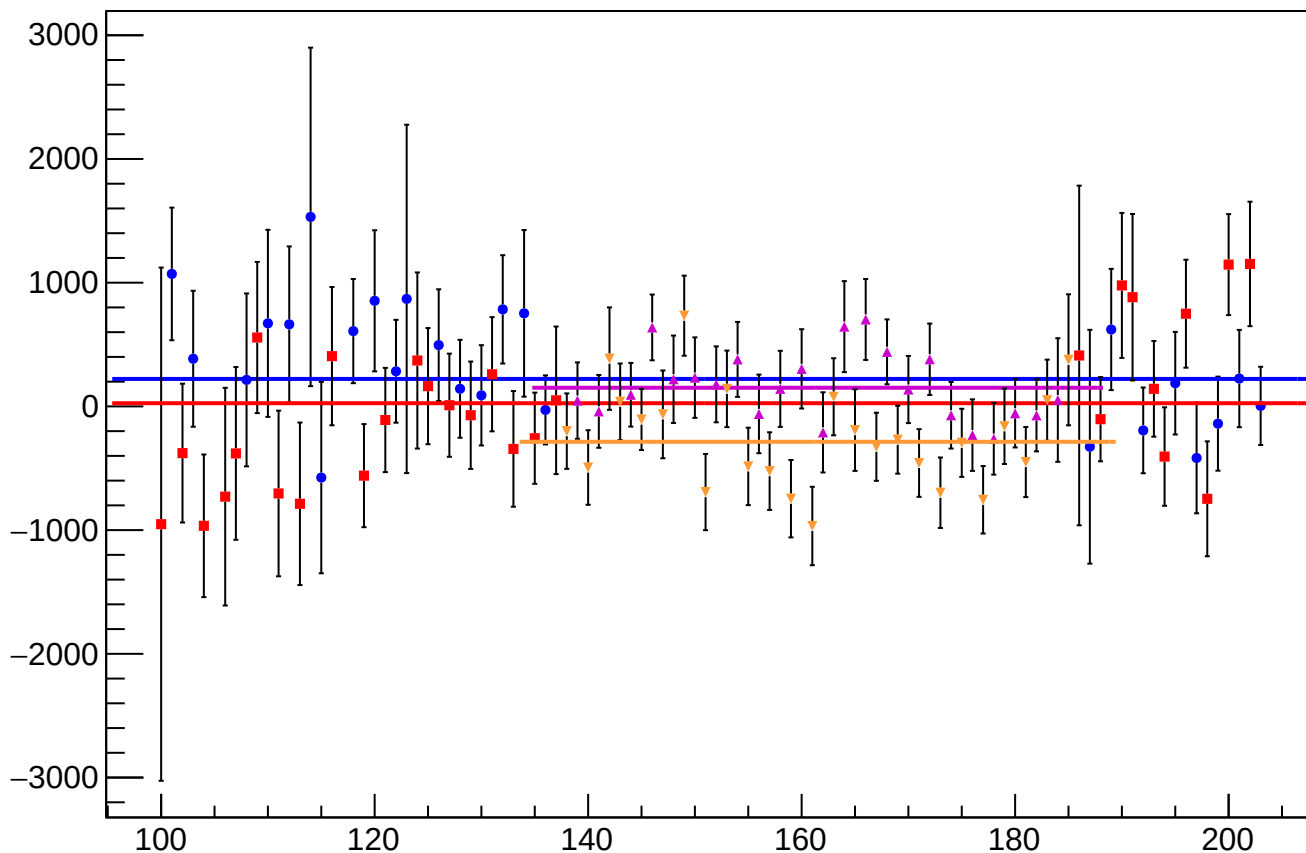
Left In: 329.985 ± 0.057 χ^2/NDF : 795969.0/22

+ sign 347.289 ± 0.051 χ^2/NDF : 1319591.6/36

All: 347.543 ± 0.036 χ^2/NDF : 3769641.8/72

- sign 347.806 ± 0.052 χ^2/NDF : 2449999.3/35

reg_asym_sam2_mean vs Slug



Right In: 222.051 ± 92.929 χ^2/NDF : 17.2/24

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: 25.624 ± 92.959 χ^2/NDF : 36.4/28

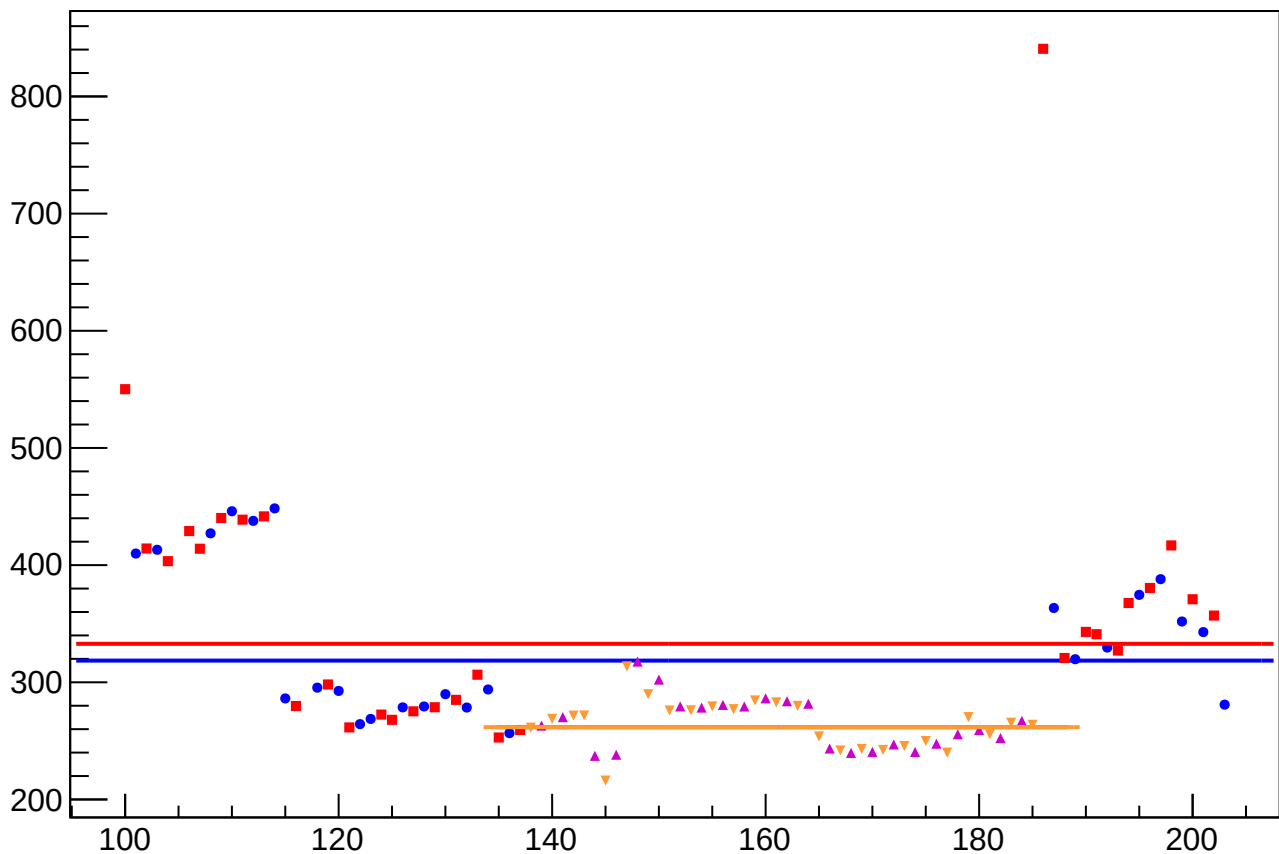
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -132.701 ± 51.050 χ^2/NDF : 74.6/49

All: -12.895 ± 36.446 χ^2/NDF : 142.2/101

- sign 111.640 ± 52.048 χ^2/NDF : 56.4/51

reg_asym_sam2_rms vs Slug



Right In: 318.514 $\pm$ 0.066 χ^2 /NDF: 668445.2/24

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 332.848 $\pm$ 0.066 χ^2 /NDF: 1079217.4/28

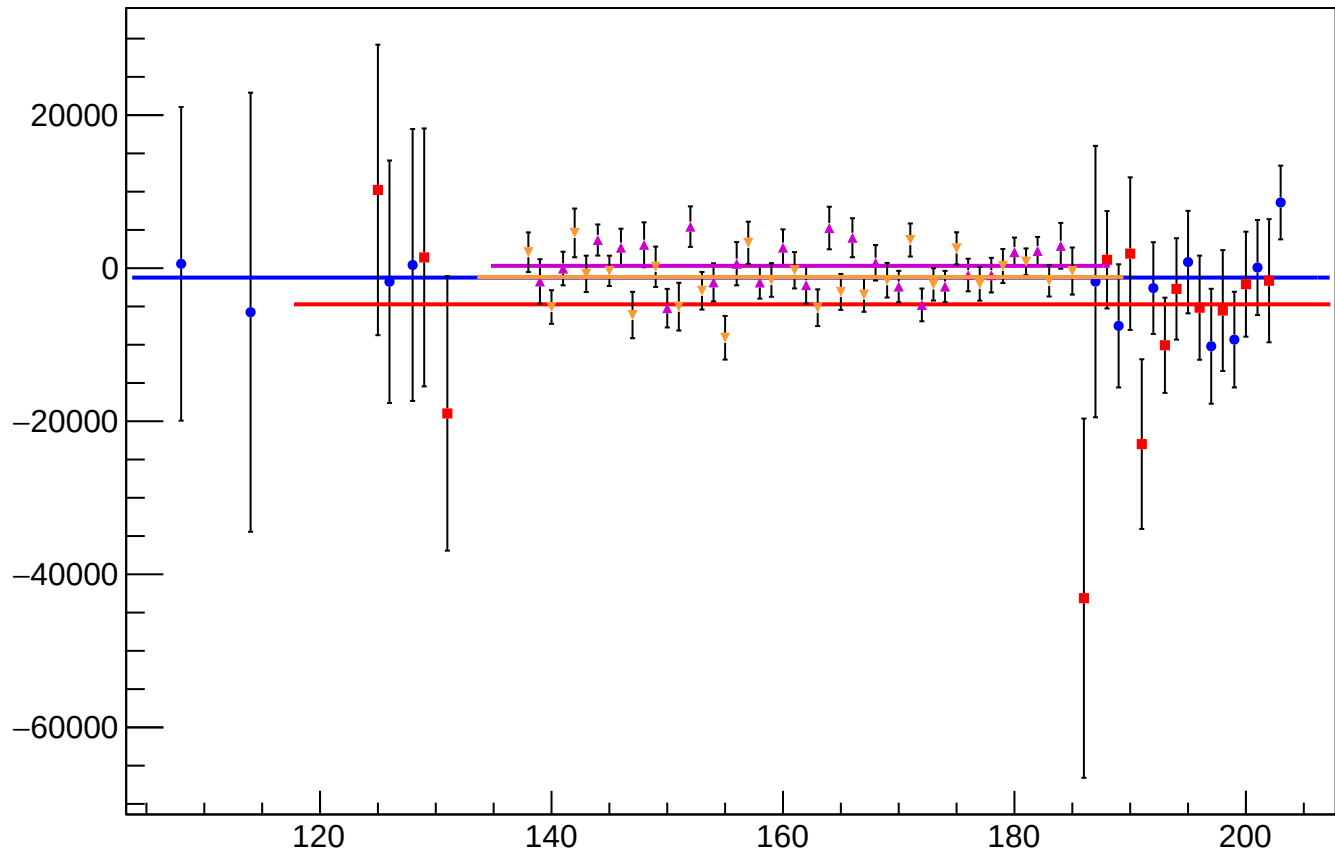
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 278.861 $\pm$ 0.036 χ^2 /NDF: 1423226.4/49

All: 281.361 $\pm$ 0.026 χ^2 /NDF: 3546207.7/100

- sign 283.961 $\pm$ 0.037 χ^2 /NDF: 2113193.3/51

asym_sam2_correction_mean vs Slug



Right In: -1227.168 ± 2283.158 χ^2/NDF : 8.1/11

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -4722.456 ± 2376.379 χ^2/NDF : 9.2/12

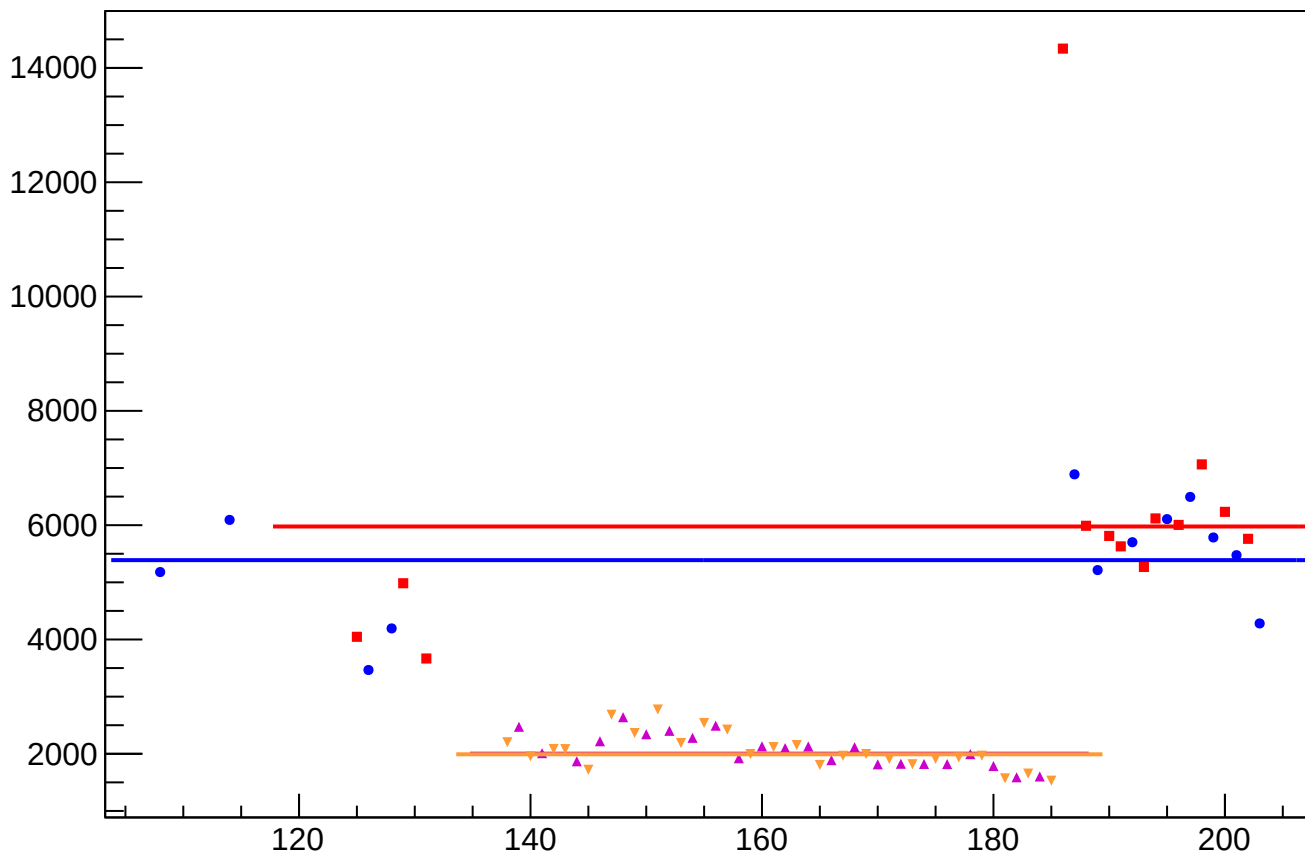
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1164.104 ± 459.442 χ^2/NDF : 46.9/36

All: -549.741 ± 329.919 χ^2/NDF : 99.4/72

- sign 104.325 ± 474.055 χ^2/NDF : 48.9/35

asym_sam2_correction_rms vs Slug



Right In: 5388.347+/-1.614 χ^2/NDF : 241158.6/11

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5977.175+/-1.680 χ^2/NDF : 386134.5/12

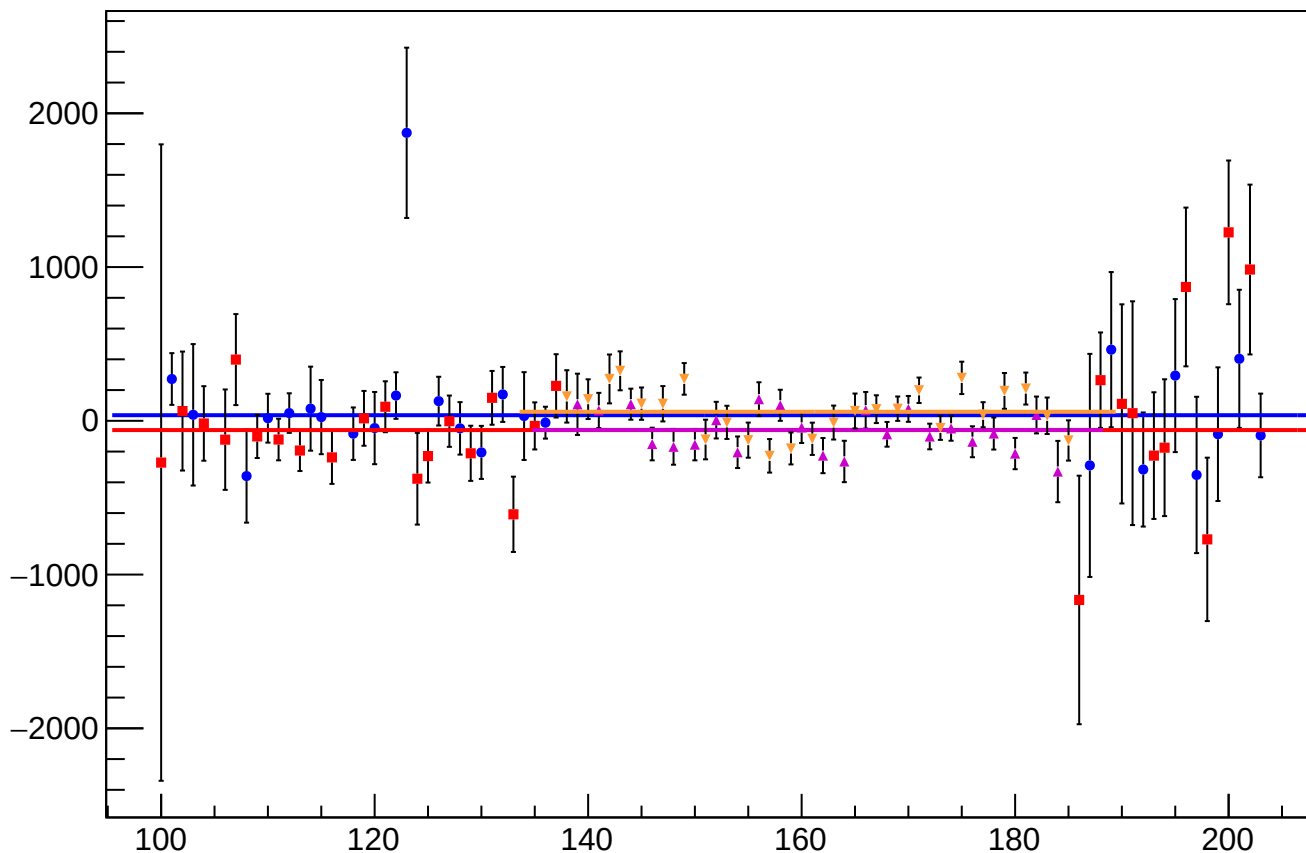
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2128.672+/-0.325 χ^2/NDF : 5216195.4/36

All: 2144.010+/-0.233 χ^2/NDF : 11566182.5/7

- sign 2160.339+/-0.335 χ^2/NDF : 6345385.2/35

reg_asym_sam3_mean vs Slug



Right In: 36.515 ± 41.884 χ^2/NDF : 23.1/24

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -60.225 ± 41.601 χ^2/NDF : 36.8/28

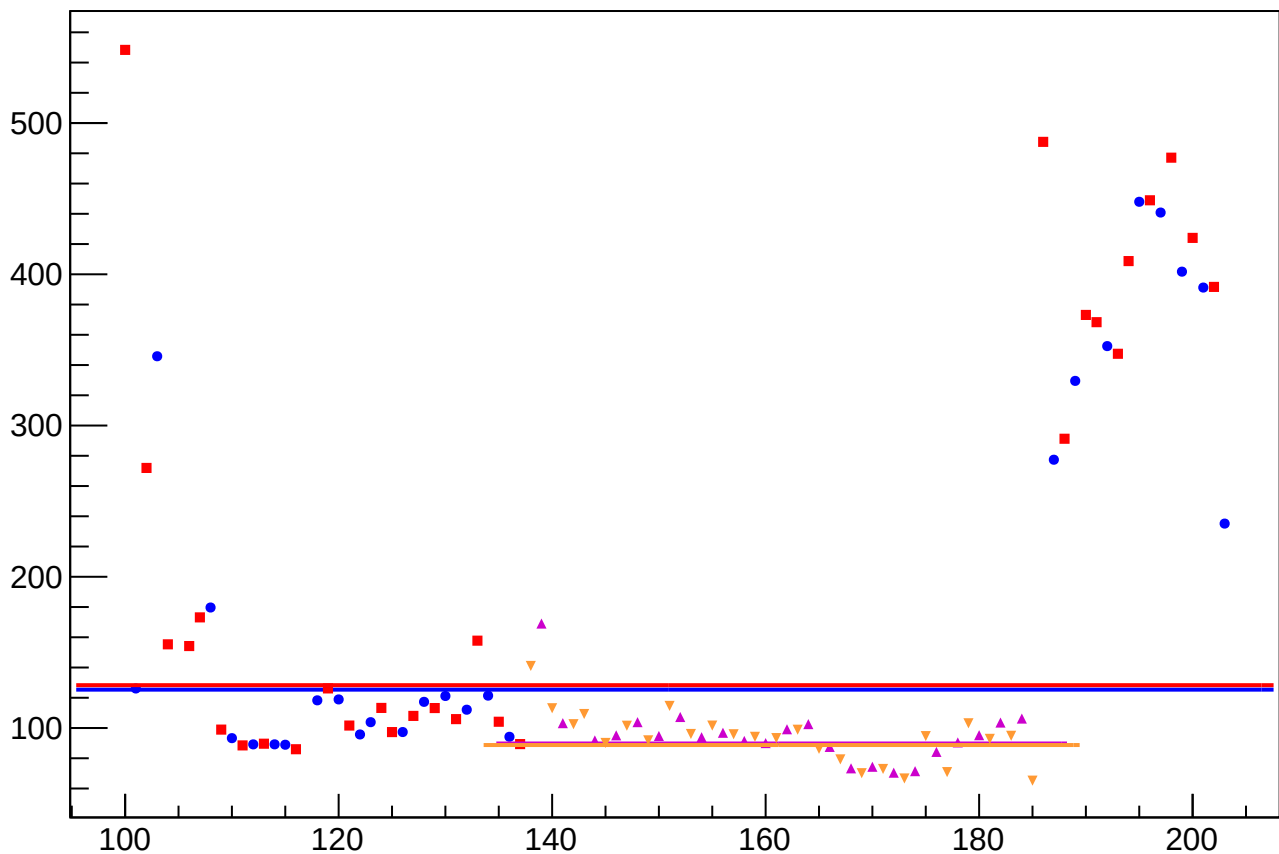
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 54.422 ± 18.870 χ^2/NDF : 70.2/49

All: -0.958 ± 13.525 χ^2/NDF : 154.1/101

- sign -59.450 ± 19.393 χ^2/NDF : 66.1/51

reg_asym_sam3_rms vs Slug



Right In: 125.372 $\pm$ 0.030 χ^2 /NDF: 5799585.1/24

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 128.320 $\pm$ 0.029 χ^2 /NDF: 7039929.7/28

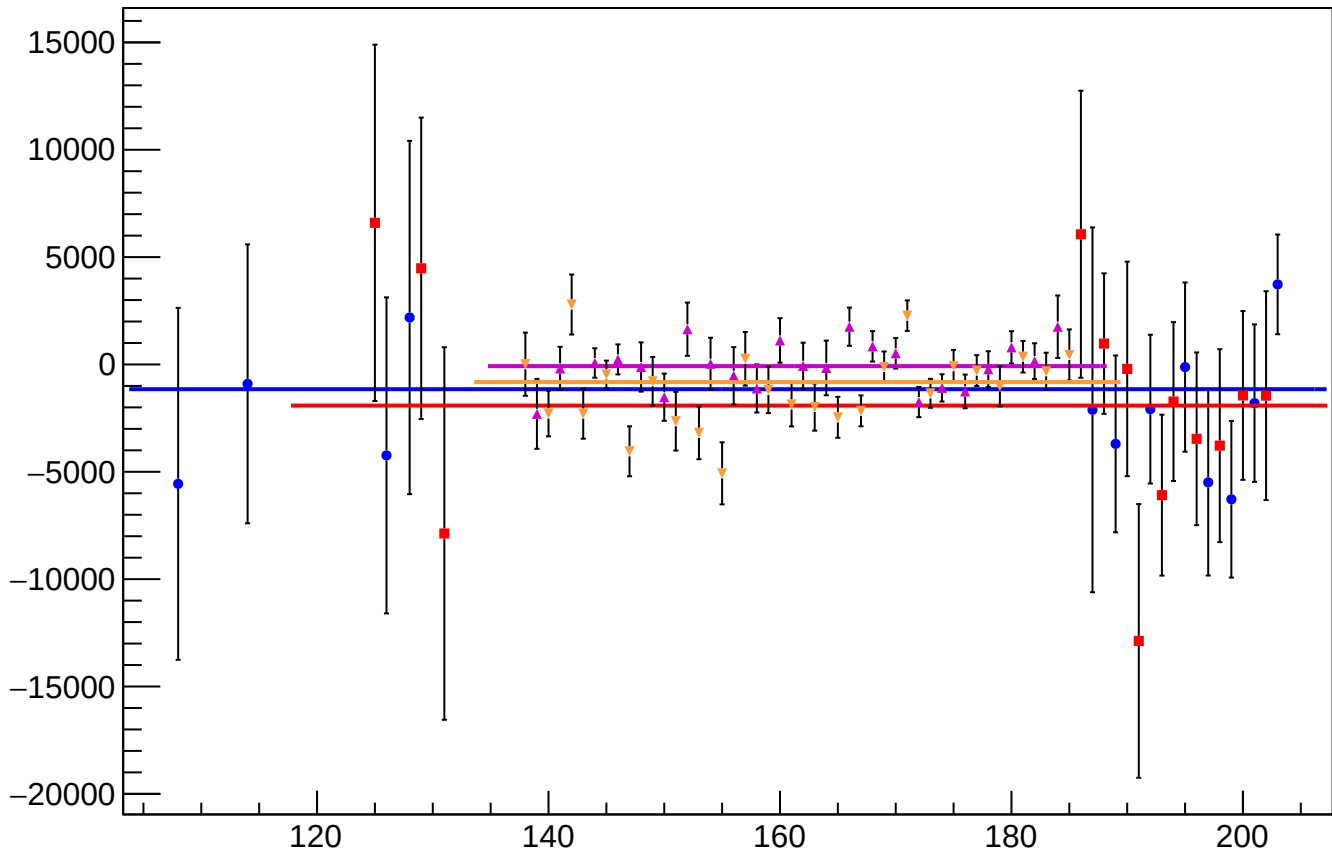
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 96.182 $\pm$ 0.013 χ^2 /NDF: 8097664.8/49

All: 97.136 $\pm$ 0.010 χ^2 /NDF: 17378405.4/101

- sign 98.144 $\pm$ 0.014 χ^2 /NDF: 9270223.8/51

asym_sam3_correction_mean vs Slug



Right In: -1152.544 ± 1212.155 χ^2/NDF : 8.6/11

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -1916.047 ± 1300.733 χ^2/NDF : 9.2/12

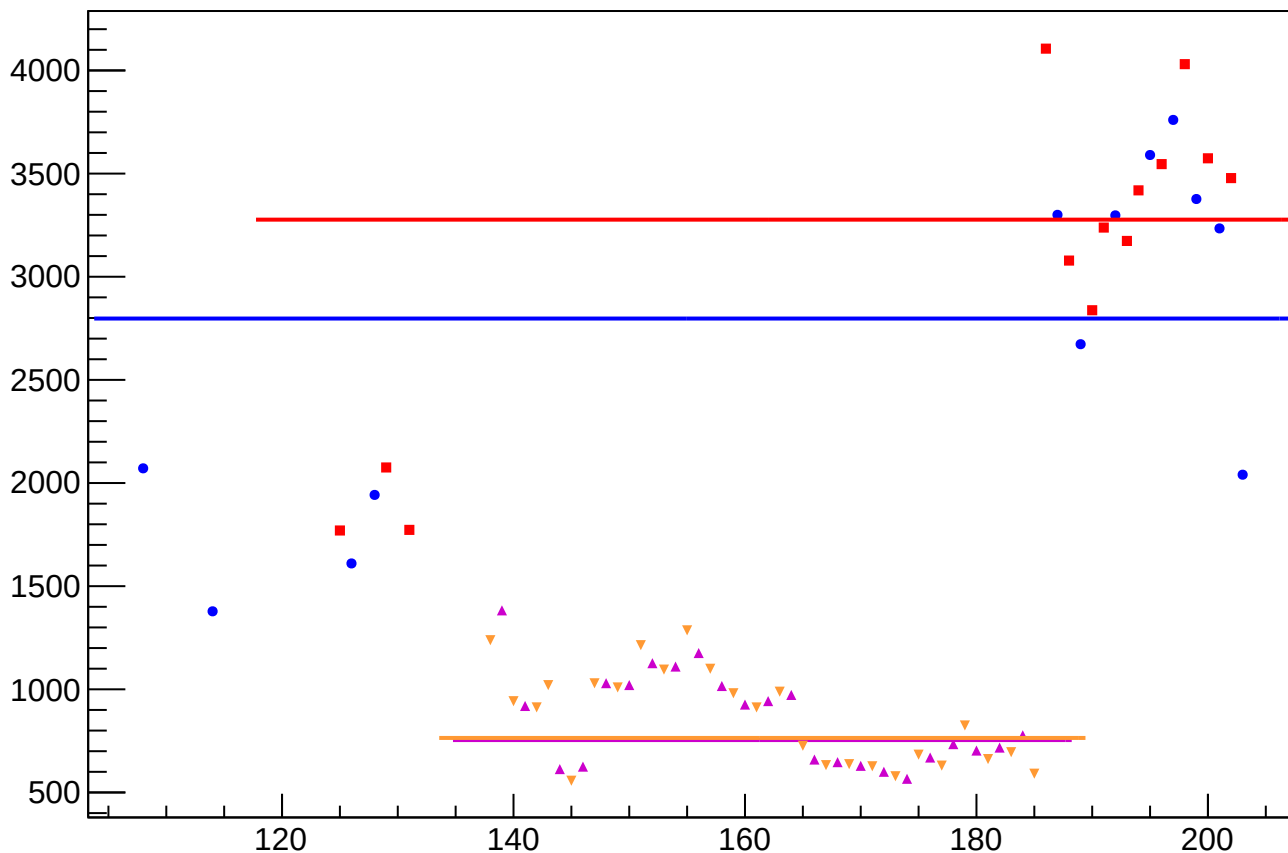
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -826.429 ± 182.364 χ^2/NDF : 76.9/36

All: -474.526 ± 129.789 χ^2/NDF : 123.9/72

- sign -113.324 ± 184.758 χ^2/NDF : 39.4/35

asym_sam3_correction_rms vs Slug



Right In: 2797.345 $\pm$ 0.857 χ^2 /NDF: 706346.1/11

Left Out: 764.280 $\pm$ 0.130 χ^2 /NDF:2315985.8/24

Right Out: 3276.752 $\pm$ 0.920 χ^2 /NDF: 322825.4/12

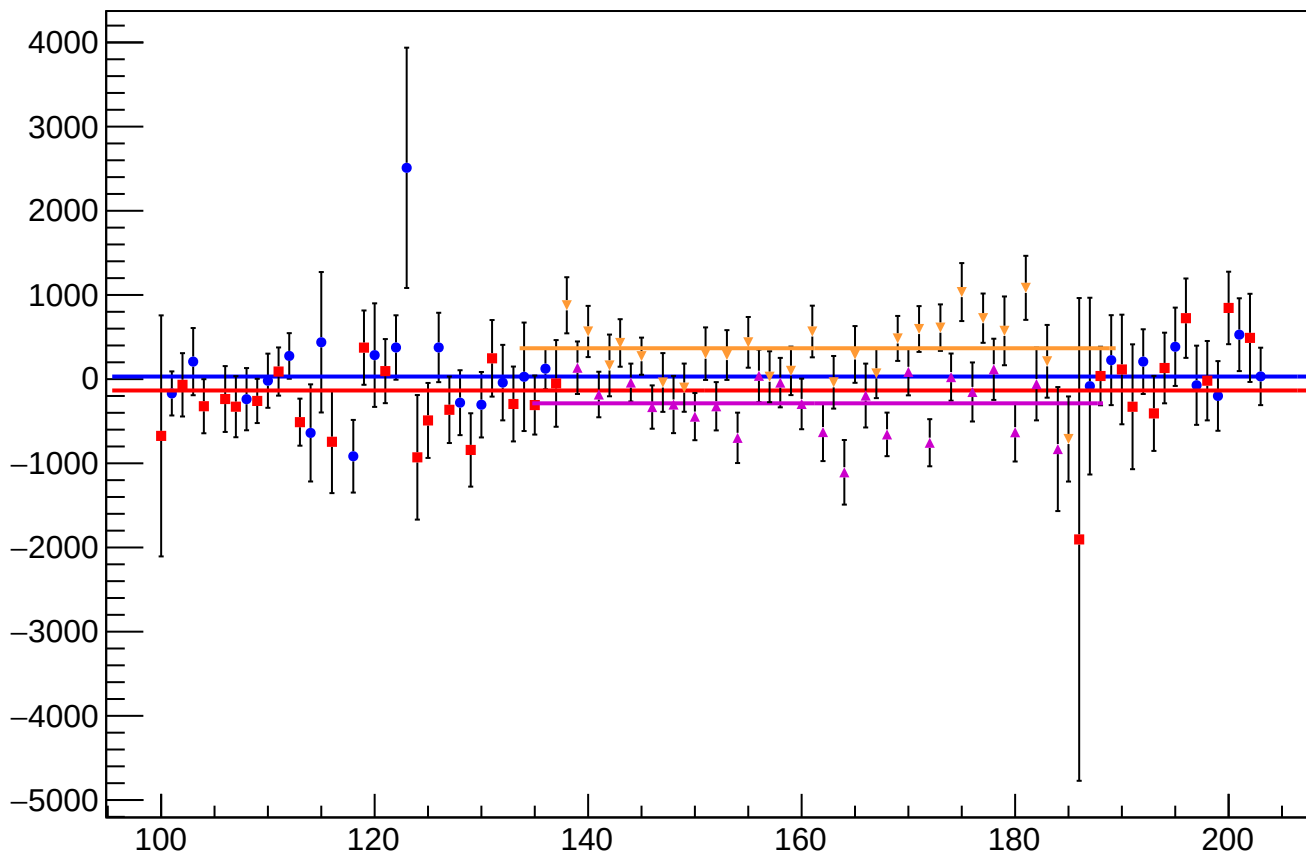
Left In: 754.027 $\pm$ 0.132 χ^2 /NDF:2013386.7/22

+ sign 810.296 $\pm$ 0.129 χ^2 /NDF: 8521200.9/36

All: 807.645 $\pm$ 0.092 χ^2 /NDF: 18229526.7/72

- sign 804.925 $\pm$ 0.131 χ^2 /NDF: 9707469.6/35

reg_asym_sam4_mean vs Slug



Right In: 30.807 ± 80.434 χ^2/NDF : 17.4/24

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -134.733 ± 77.323 χ^2/NDF : 23.7/28

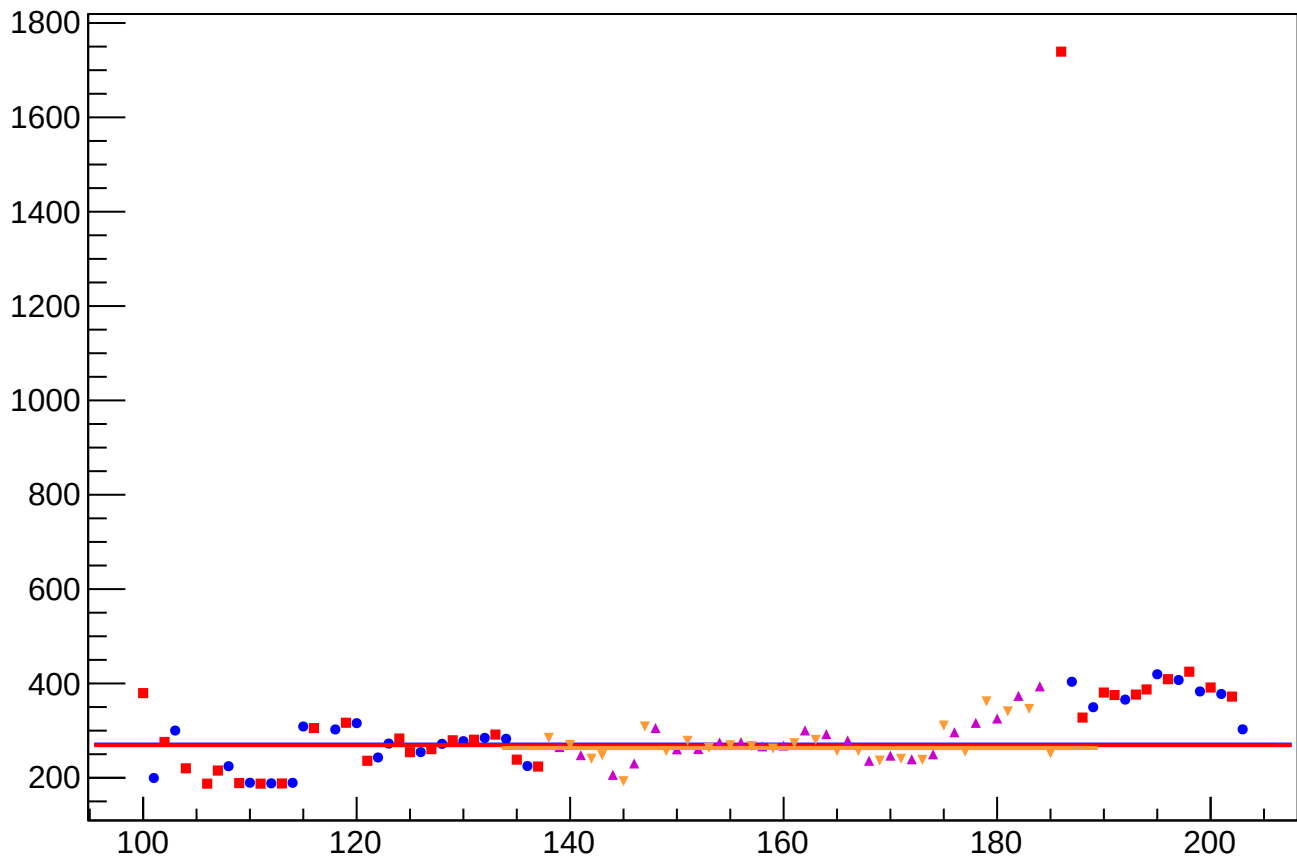
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 241.858 ± 49.077 χ^2/NDF : 56.6/49

All: 9.765 ± 34.805 χ^2/NDF : 151.5/101

- sign -225.079 ± 49.367 χ^2/NDF : 49.9/51

reg_asym_sam4_rms vs Slug



Right In: 270.450 $\pm$ 0.057 χ^2 /NDF: 1512409.2/24

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 269.130 $\pm$ 0.055 χ^2 /NDF: 2384560.9/28

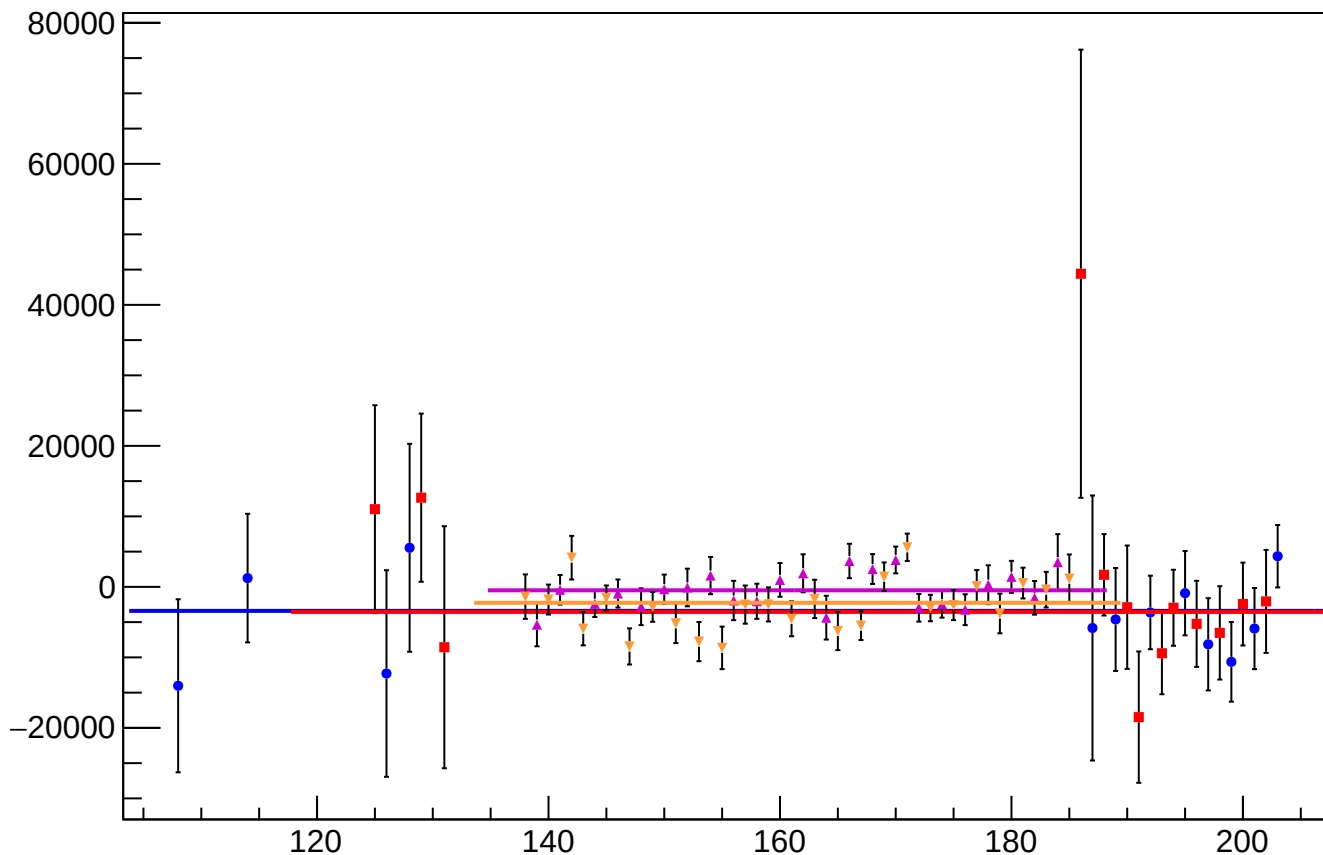
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 265.838 $\pm$ 0.035 χ^2 /NDF: 2165108.7/49

All: 266.236 $\pm$ 0.025 χ^2 /NDF: 5162466.3/103

- sign 266.638 $\pm$ 0.035 χ^2 /NDF: 2997093.4/51

asym_sam4_correction_mean vs Slug



Right In: -3406.259 ± 1999.173 χ^2/NDF : 7.4/11

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -3553.361 ± 2076.203 χ^2/NDF : 10.0/12

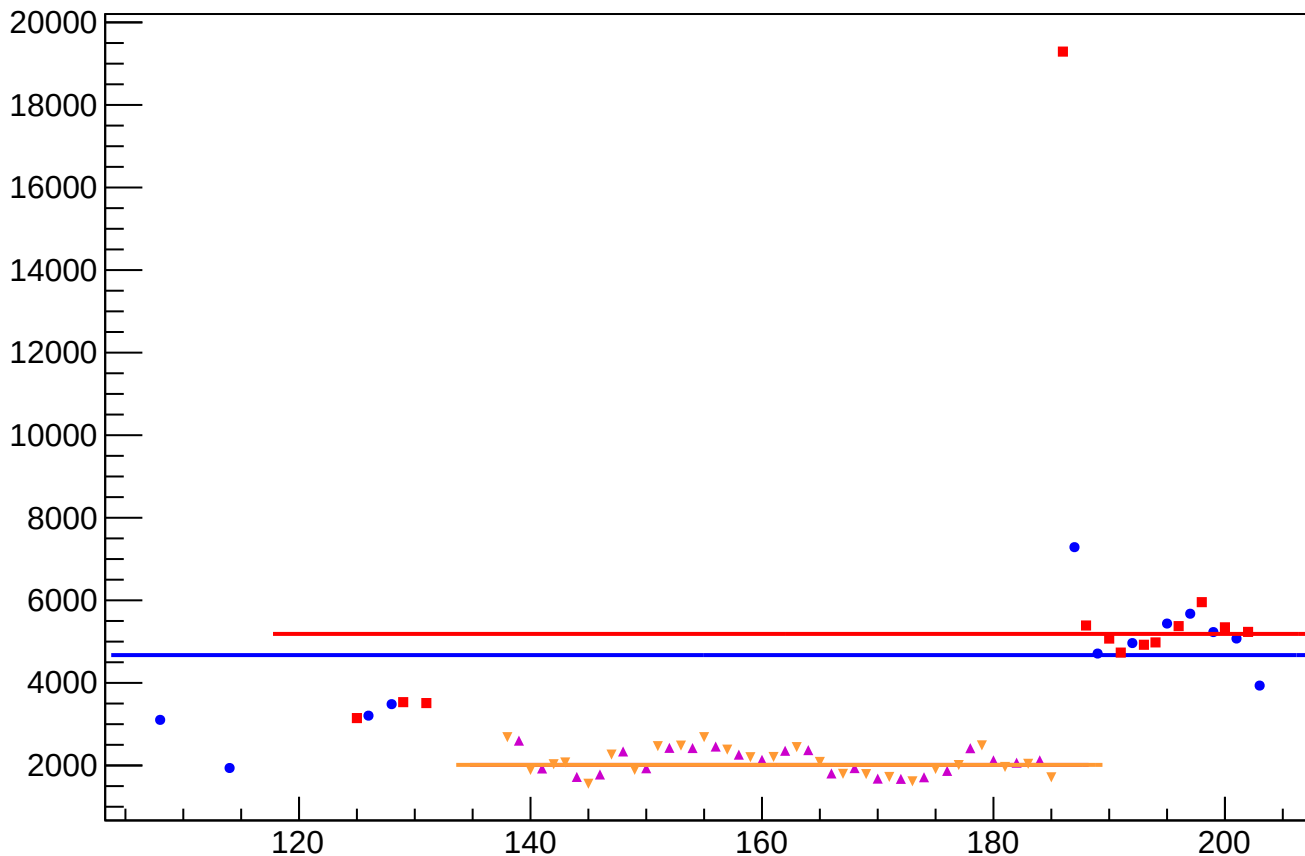
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2321.519 ± 462.444 χ^2/NDF : 60.0/36

All: -1505.358 ± 331.198 χ^2/NDF : 103.2/72

- sign -645.865 ± 474.561 χ^2/NDF : 36.8/35

asym_sam4_correction_rms vs Slug



Right In: 4673.450+/-1.414 χ^2/NDF : 455096.8/11

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 5186.577+/-1.468 χ^2/NDF : 534664.1/12

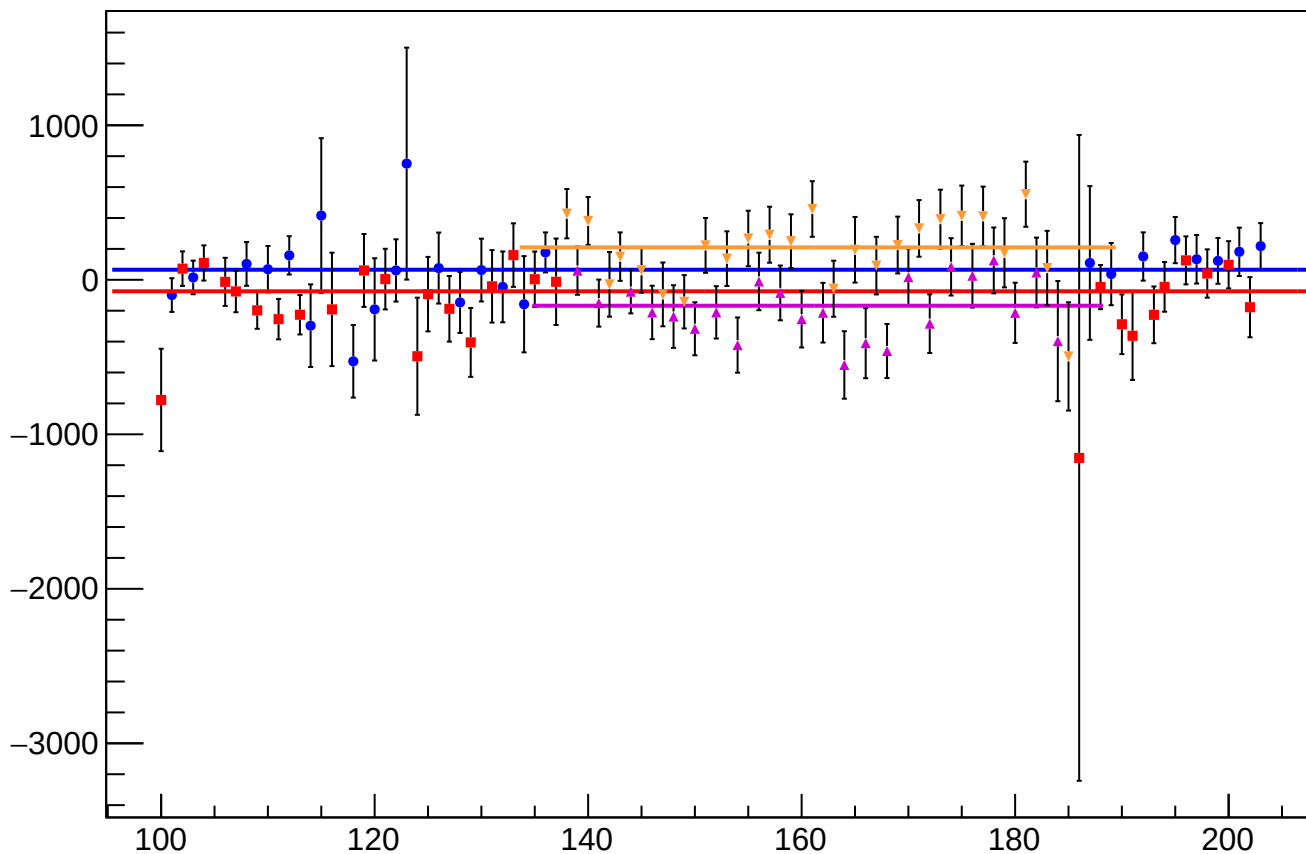
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2156.401+/-0.327 χ^2/NDF : 4640372.3/36

All: 2167.426+/-0.234 χ^2/NDF : 10267546.6/7

- sign 2179.036+/-0.336 χ^2/NDF : 5624840.5/35

reg_asym_sam5_mean vs Slug



Right In: 65.152 ± 34.428 χ^2/NDF : 19.8/24

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -74.428 ± 32.204 χ^2/NDF : 26.2/28

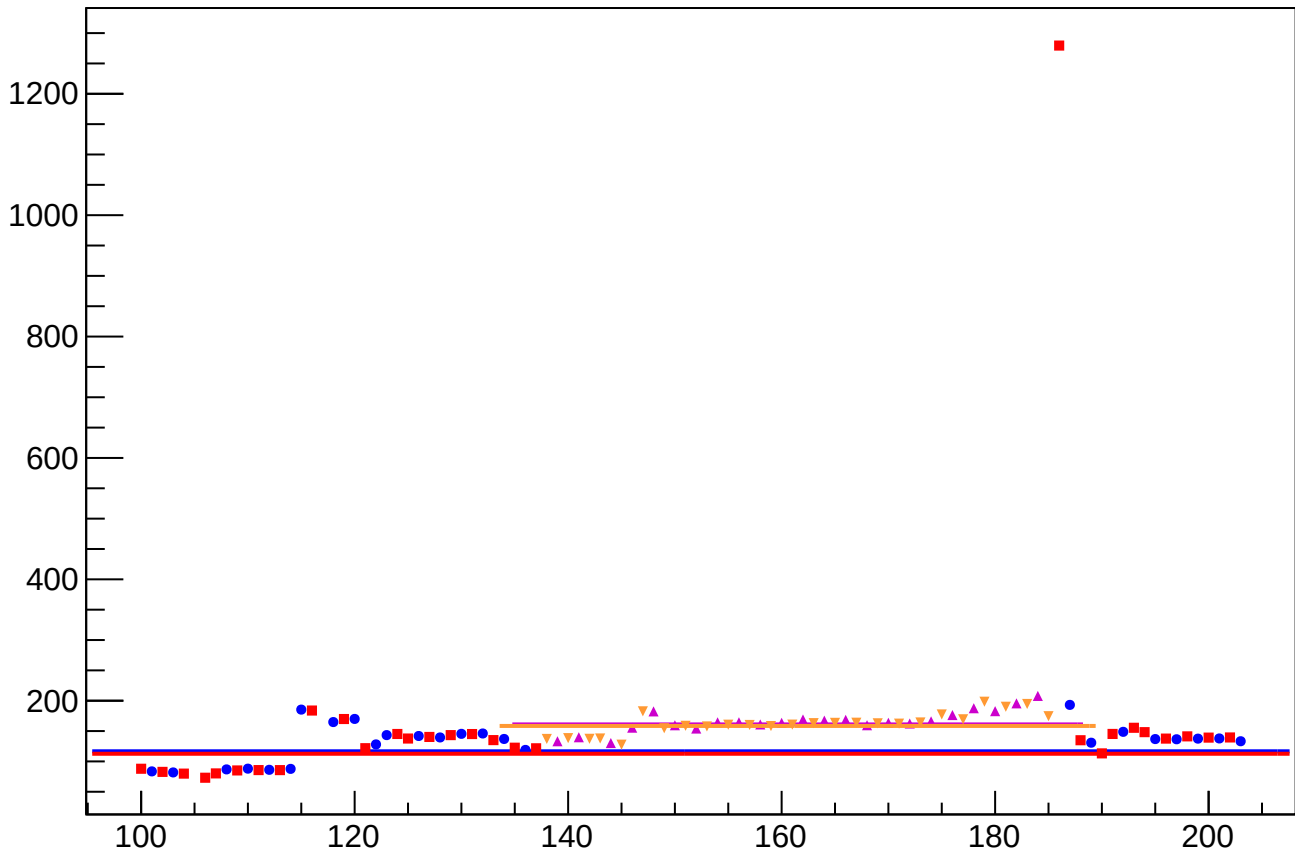
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 132.224 ± 25.234 χ^2/NDF : 55.5/49

All: 7.476 ± 17.673 χ^2/NDF : 154.3/101

- sign -112.619 ± 24.759 χ^2/NDF : 50.8/51

reg_asym_sam5_rms vs Slug



Right In: 116.668 $\pm$ 0.024 χ^2 /NDF: 1320586.1/24

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 112.608 $\pm$ 0.023 χ^2 /NDF: 2342079.2/28

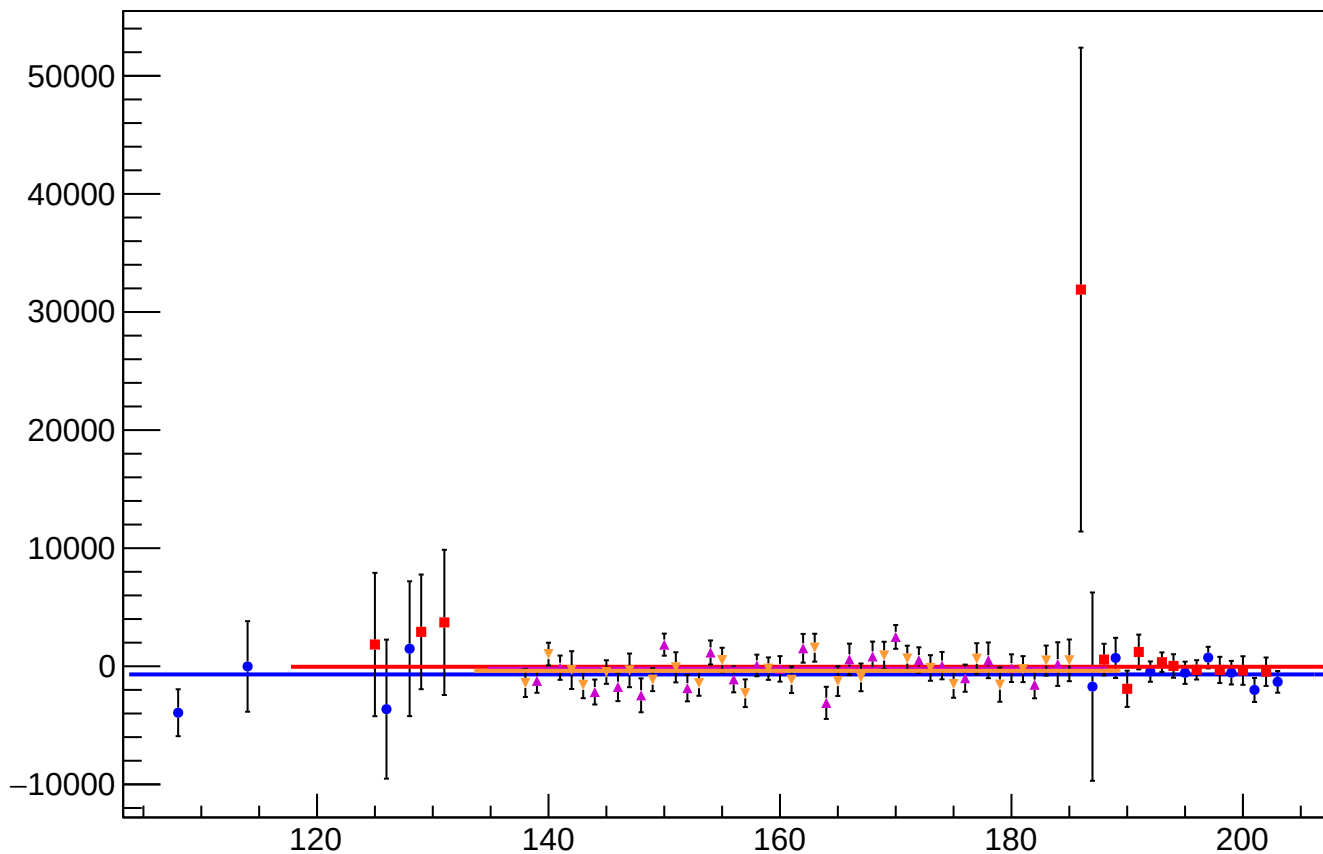
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.999 $\pm$ 0.018 χ^2 /NDF: 3117498.9/49

All: 134.153 $\pm$ 0.012 χ^2 /NDF: 7702988.9/100

- sign 132.375 $\pm$ 0.018 χ^2 /NDF: 4564471.2/51

asym_sam5_correction_mean vs Slug



Right In: -689.929+/-363.507 χ^2 /NDF: 8.5/11

Left Out: -385.018+/-231.833 χ^2 /NDF:18.1/24

Right Out: -43.154+/-360.870 χ^2 /NDF: 6.3/12

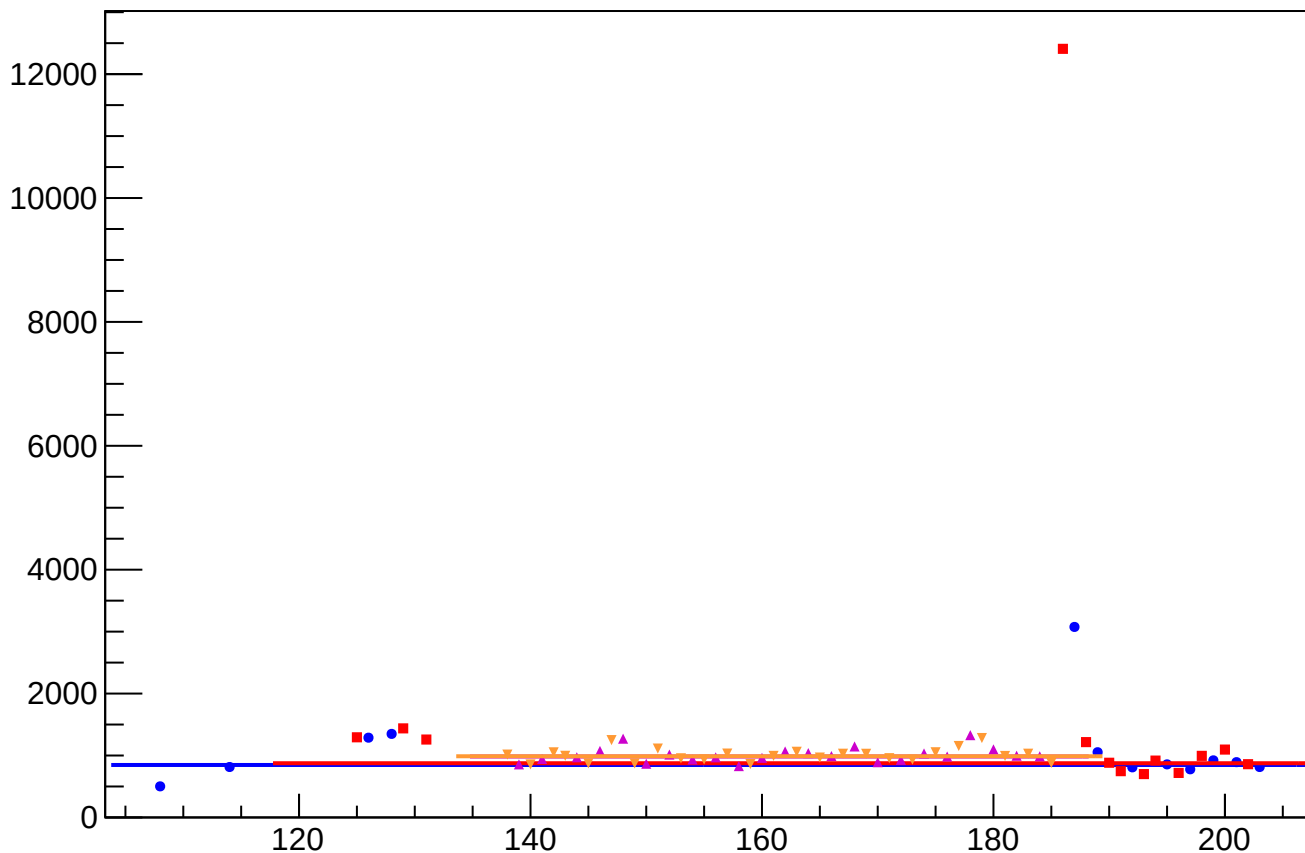
Left In: -202.234+/-237.460 χ^2 /NDF:35.5/22

+ sign -473.181+/-195.464 χ^2 /NDF: 27.0/36

All: -316.024+/-139.229 χ^2 /NDF: 70.2/72

- sign -154.166+/-198.366 χ^2 /NDF: 41.9/35

asym_sam5_correction_rms vs Slug



Right In: 847.220 $\pm$ 0.257 χ^2 /NDF: 306158.5/11

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 875.385 $\pm$ 0.255 χ^2 /NDF: 1078456.3/12

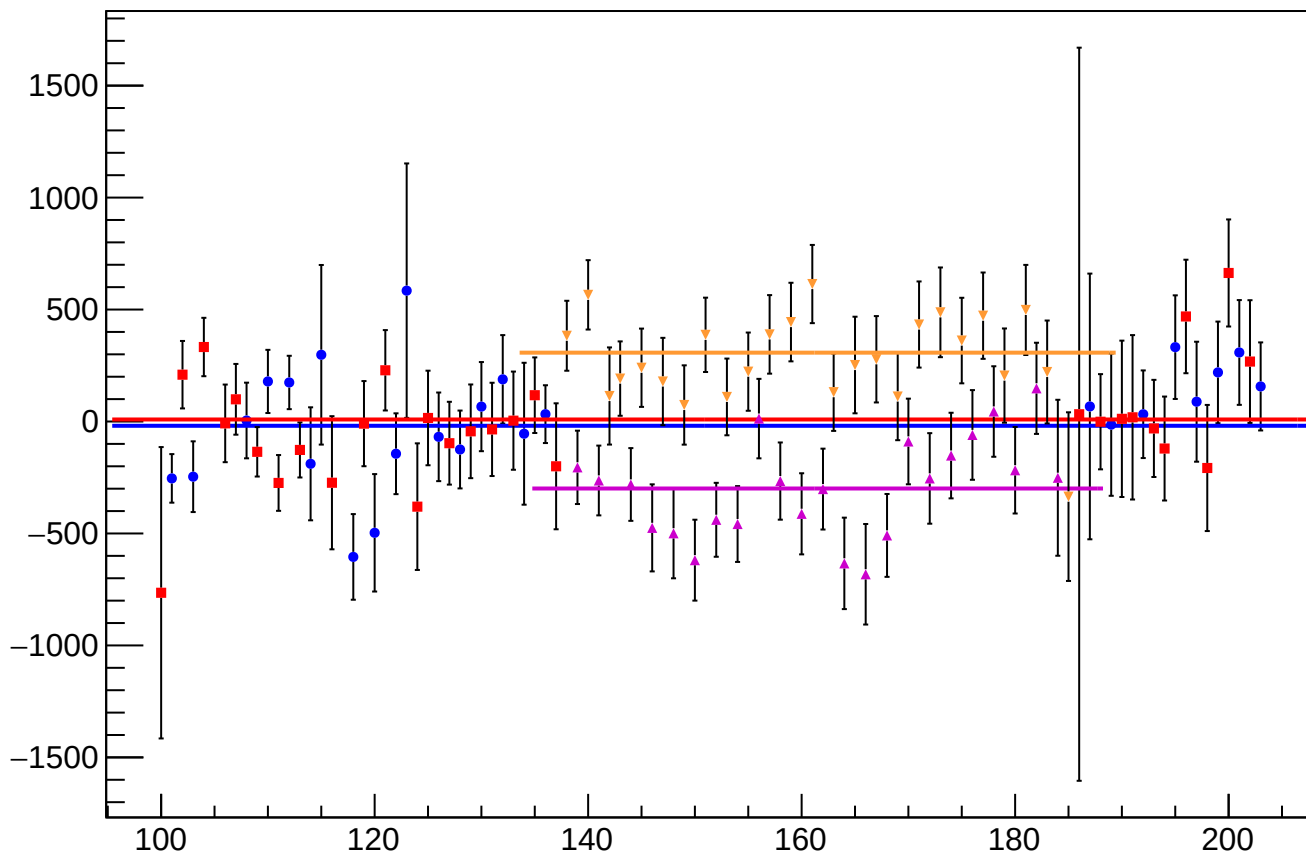
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 947.201 $\pm$ 0.138 χ^2 /NDF: 895961.0/36

All: 949.125 $\pm$ 0.098 χ^2 /NDF: 2517262.6/72

- sign 951.106 $\pm$ 0.140 χ^2 /NDF: 1620908.4/35

reg_asym_sam6_mean vs Slug



Right In: -19.080 ± 37.988 χ^2/NDF : 35.1/24

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: 9.056 ± 35.879 χ^2/NDF : 36.1/28

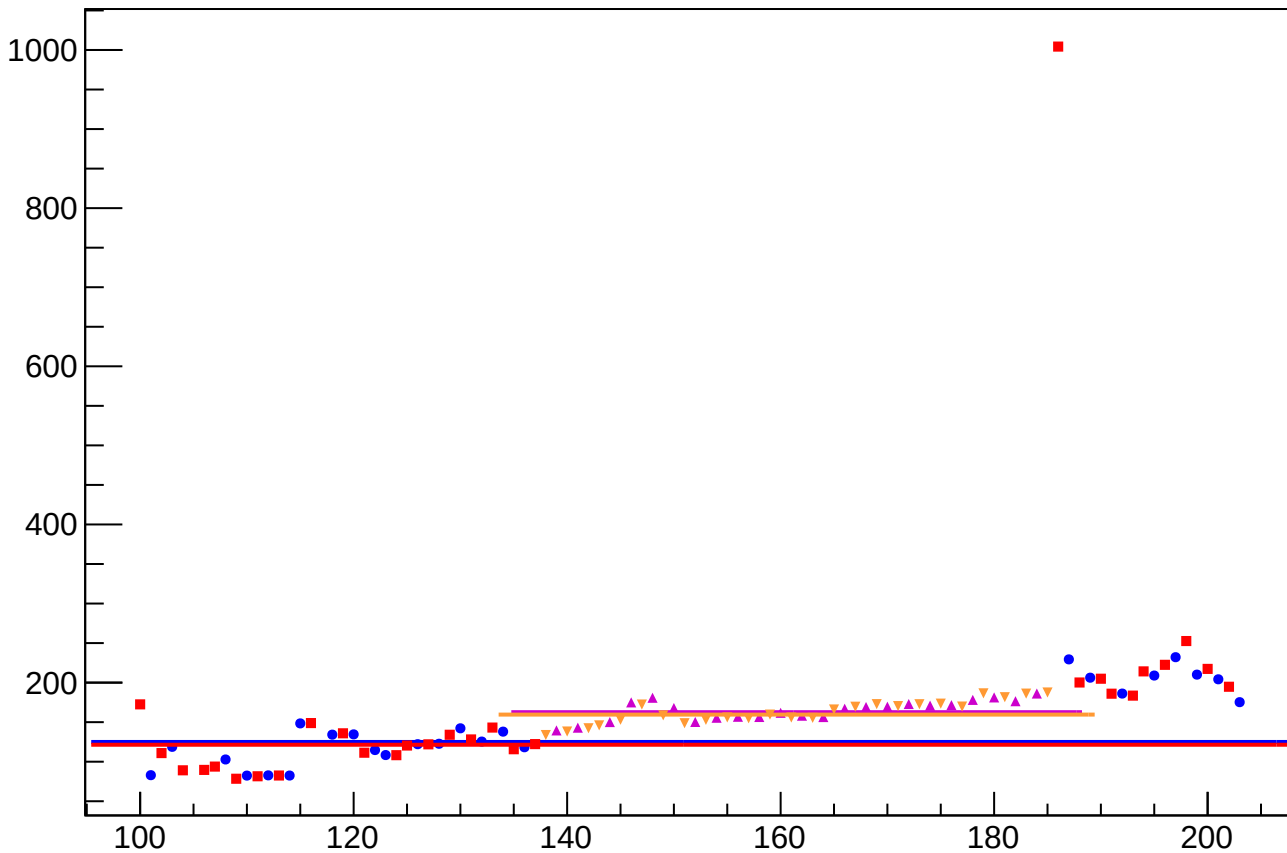
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 147.285 ± 26.607 χ^2/NDF : 93.4/49

All: 6.489 ± 18.743 χ^2/NDF : 247.5/101

- sign -132.208 ± 26.408 χ^2/NDF : 98.5/51

reg_asym_sam6_rms vs Slug



Right In: 124.955+/-0.027 χ^2/NDF : 2487964.4/24

Left Out: 159.568+/-0.026 χ^2/NDF :287744.2/24

+ sign 142.588+/-0.019 χ^2/NDF : 3621633.3/49

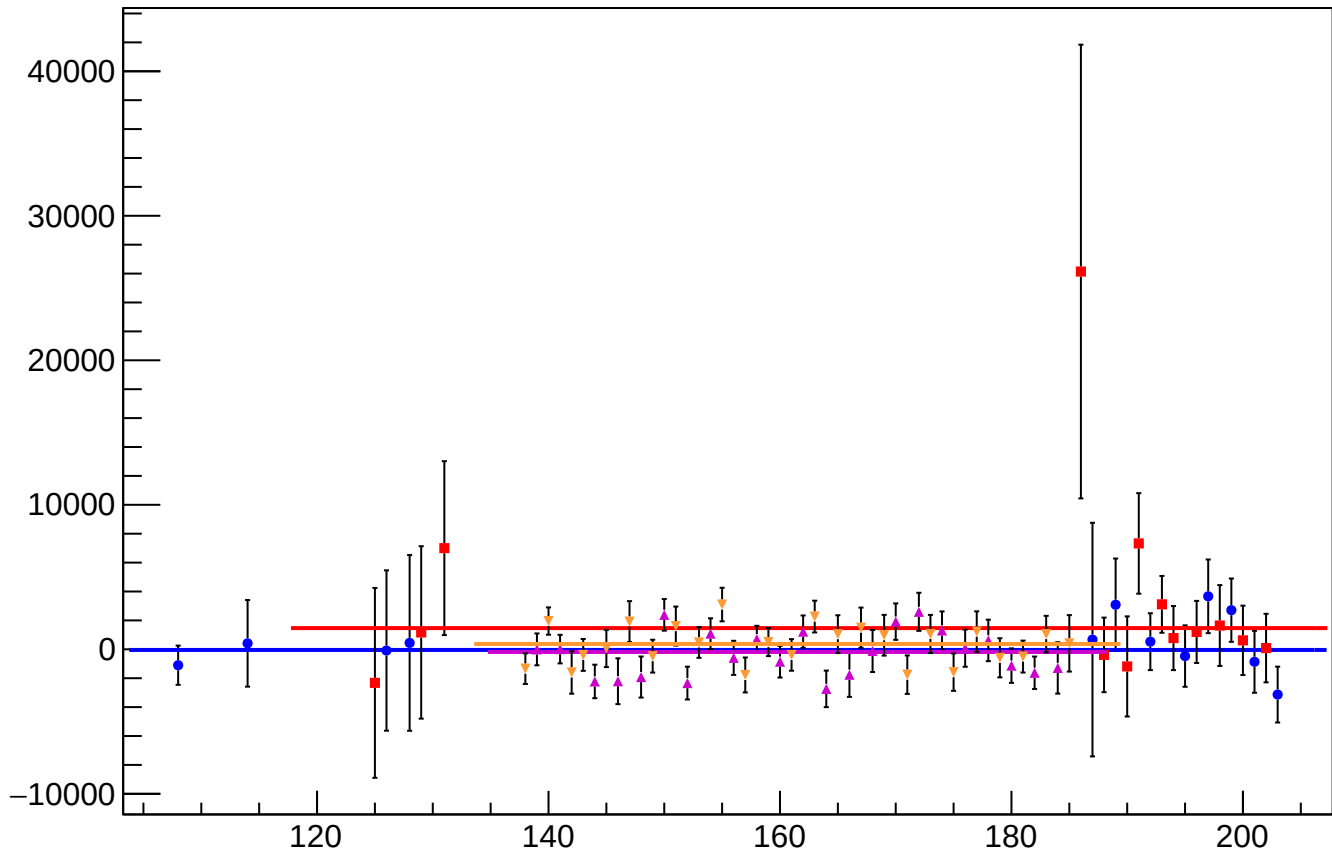
Right Out: 121.450+/-0.025 χ^2/NDF : 3784783.3/28

All: 141.441 ± 0.013 χ^2/NDF : 8819372.9/101

- sign 140.311+/-0.019 χ^2/NDF : 5190359.8/51

Left In: 162.606+/-0.028 χ^2 /NDF:199542.3/22

asym_sam6_correction_mean vs Slug



Right In: -44.194 ± 681.200 χ^2/NDF : 8.1/11

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: 1466.830 ± 801.286 χ^2/NDF : 8.9/12

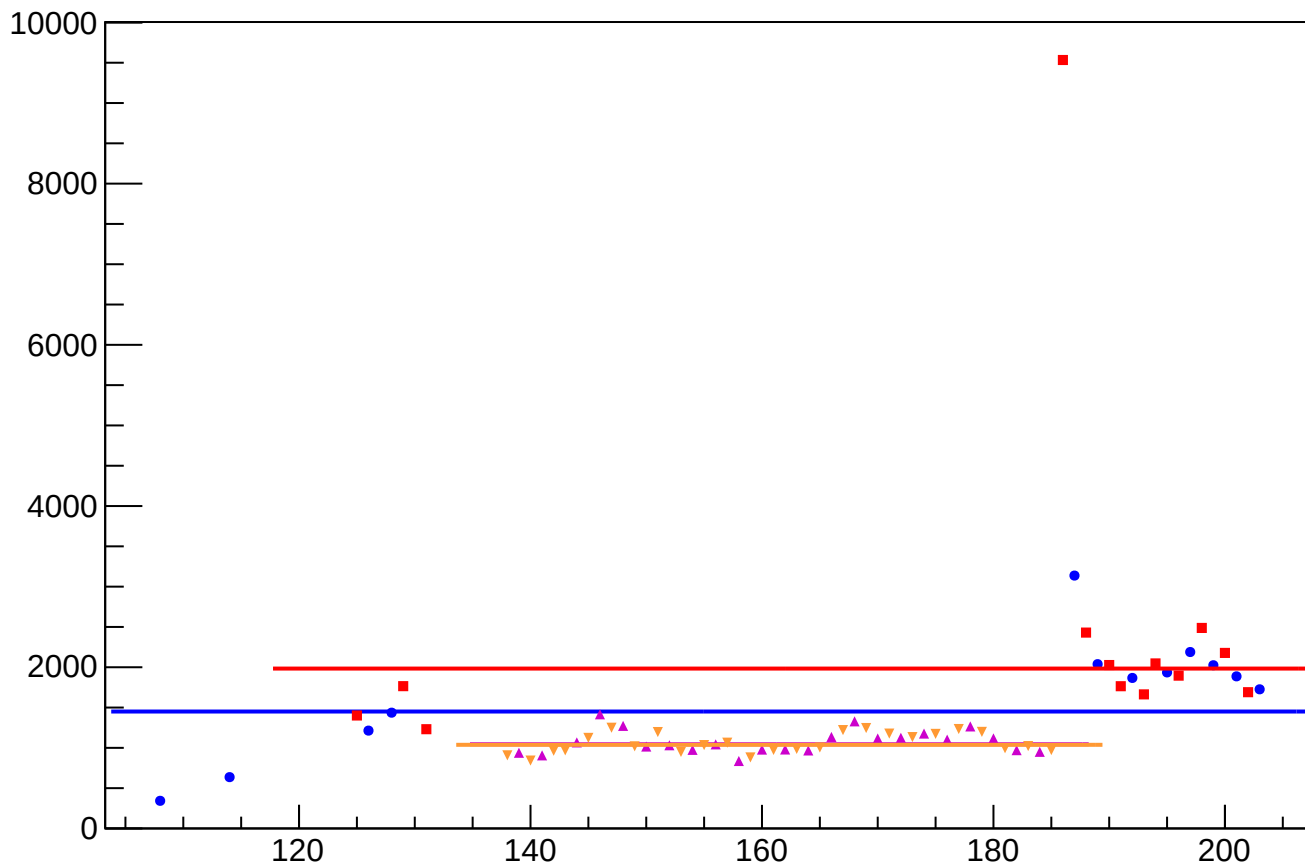
Left In: -183.107 ± 252.258 χ^2/NDF : 36.5/22

+ sign 323.066 ± 229.308 χ^2/NDF : 38.9/36

All: 152.964 ± 165.999 χ^2/NDF : 89.3/72

- sign -34.328 ± 240.616 χ^2/NDF : 49.2/35

asym_sam6_correction_rms vs Slug



Right In: 1450.728+/-0.482 χ^2/NDF : 2261996.3/11

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1983.582+/-0.567 χ^2/NDF : 747003.8/12

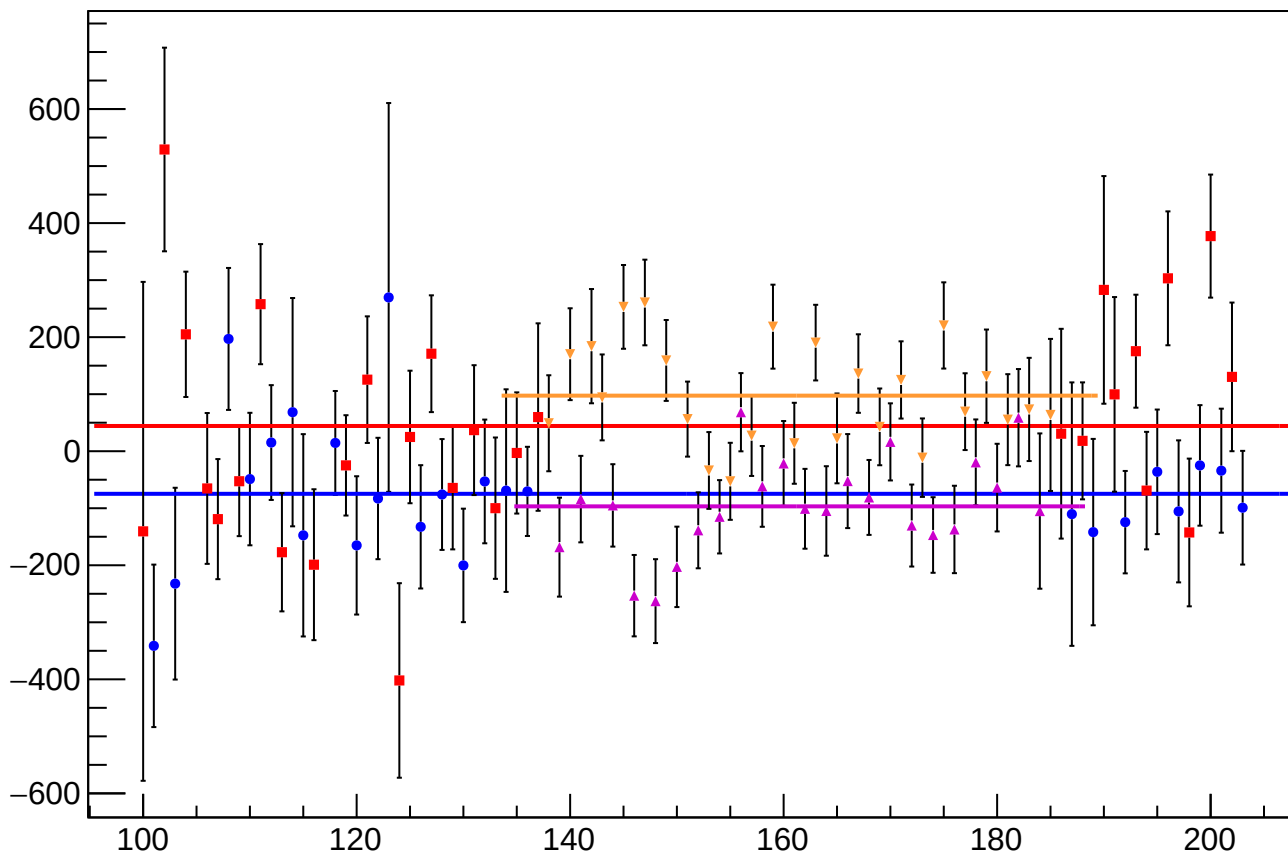
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1084.493+/-0.162 χ^2/NDF : 3408951.8/36

All: 1105.868+/-0.117 χ^2/NDF : 7233788.8/72

- sign 1129.403+/-0.170 χ^2/NDF : 3788324.9/35

reg_asym_sam7_mean vs Slug



Right In: -74.701 ± 23.312 $\chi^2/\text{NDF}: 16.2/24$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 44.243 ± 22.139 $\chi^2/\text{NDF}: 59.5/28$

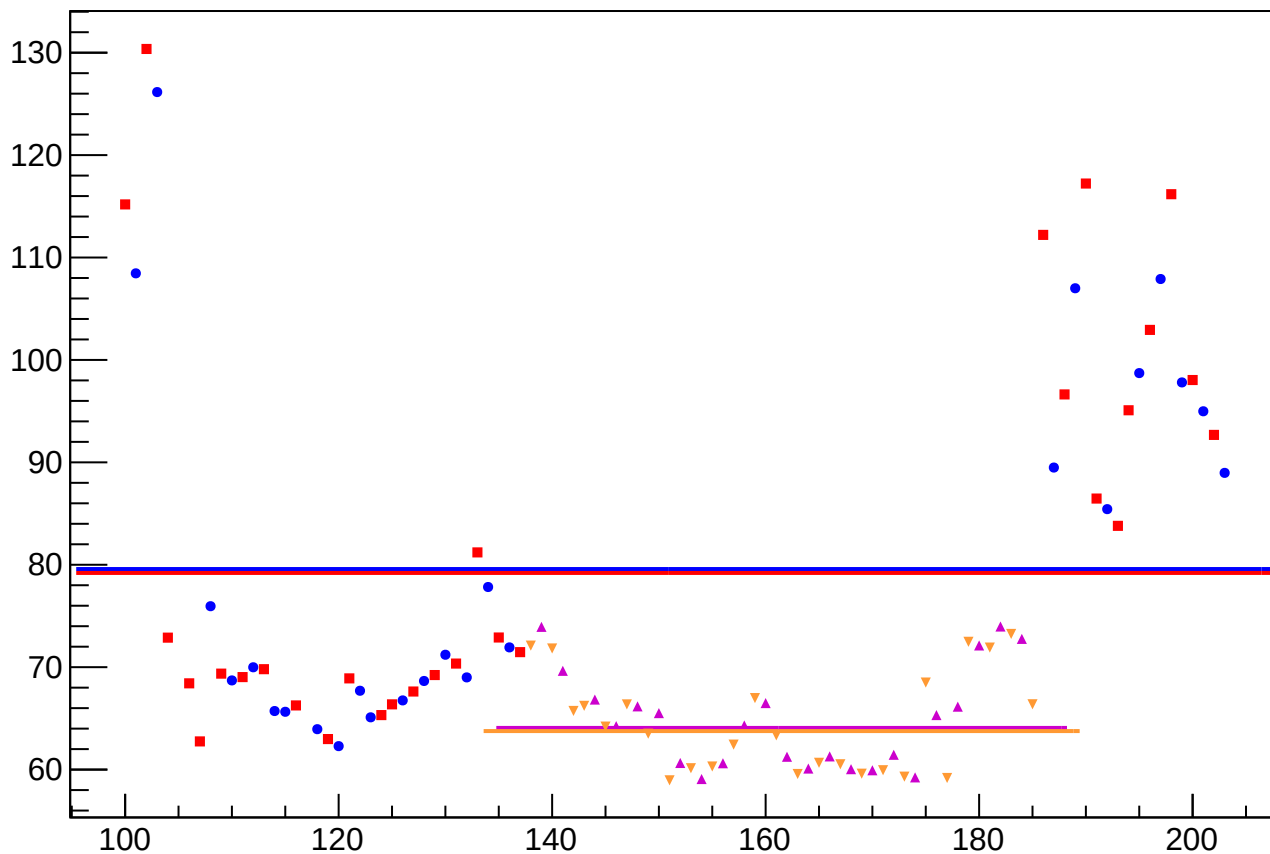
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 47.613 ± 12.543 $\chi^2/\text{NDF}: 91.0/49$

All: -1.304 ± 8.898 $\chi^2/\text{NDF}: 237.6/101$

- sign -50.868 ± 12.625 $\chi^2/\text{NDF}: 116.0/51$

reg_asym_sam7_rms vs Slug



Right In: 79.583 $\pm$ 0.016 χ^2 /NDF: 879660.1/24

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 79.202 $\pm$ 0.016 χ^2 /NDF: 1088496.1/28

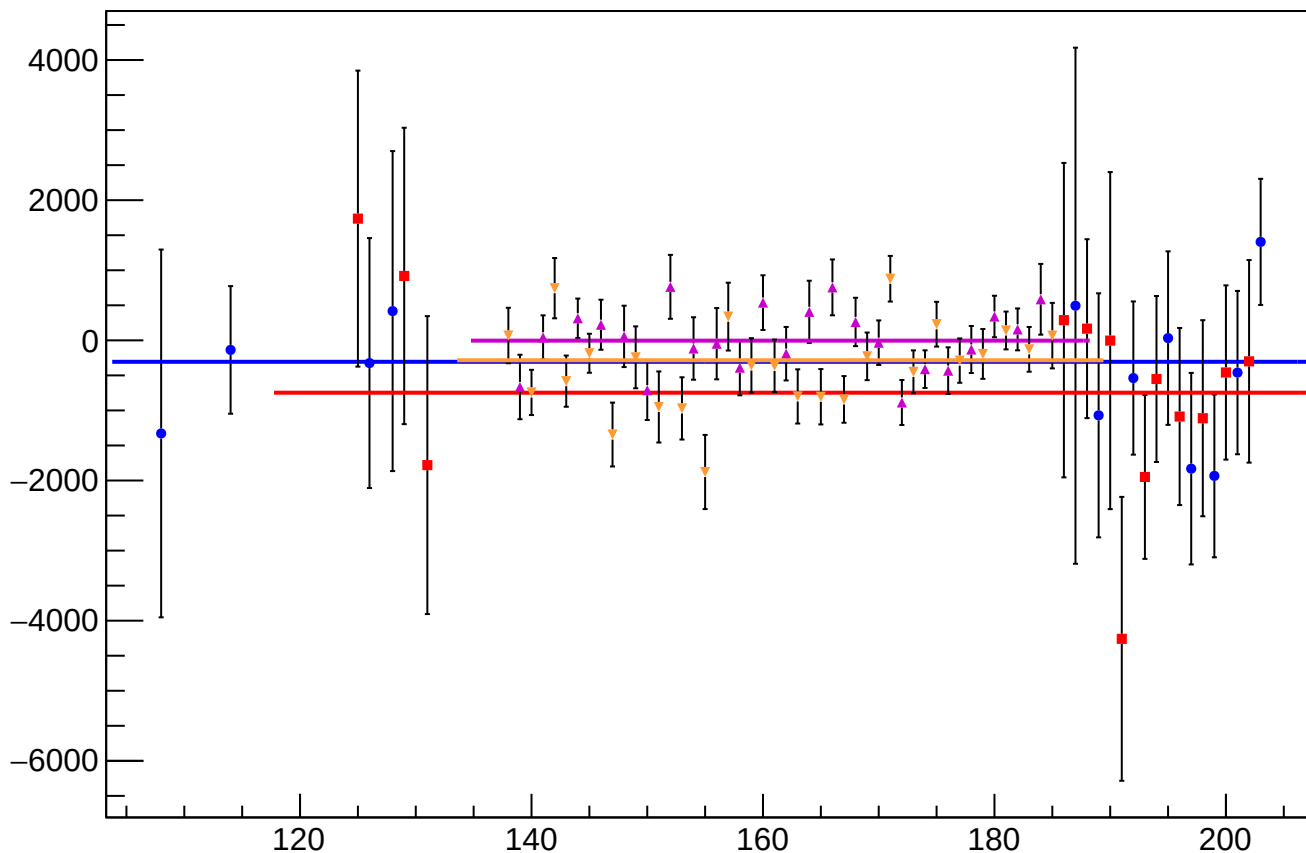
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 68.341 $\pm$ 0.009 χ^2 /NDF: 1727020.8/49

All: 68.663 $\pm$ 0.006 χ^2 /NDF: 3613414.9/101

- sign 68.990 $\pm$ 0.009 χ^2 /NDF: 1883735.7/51

asym_sam7_correction_mean vs Slug



Right In: -305.993 ± 377.989 $\chi^2/\text{NDF}: 7.5/11$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: -746.879 ± 422.342 $\chi^2/\text{NDF}: 7.4/12$

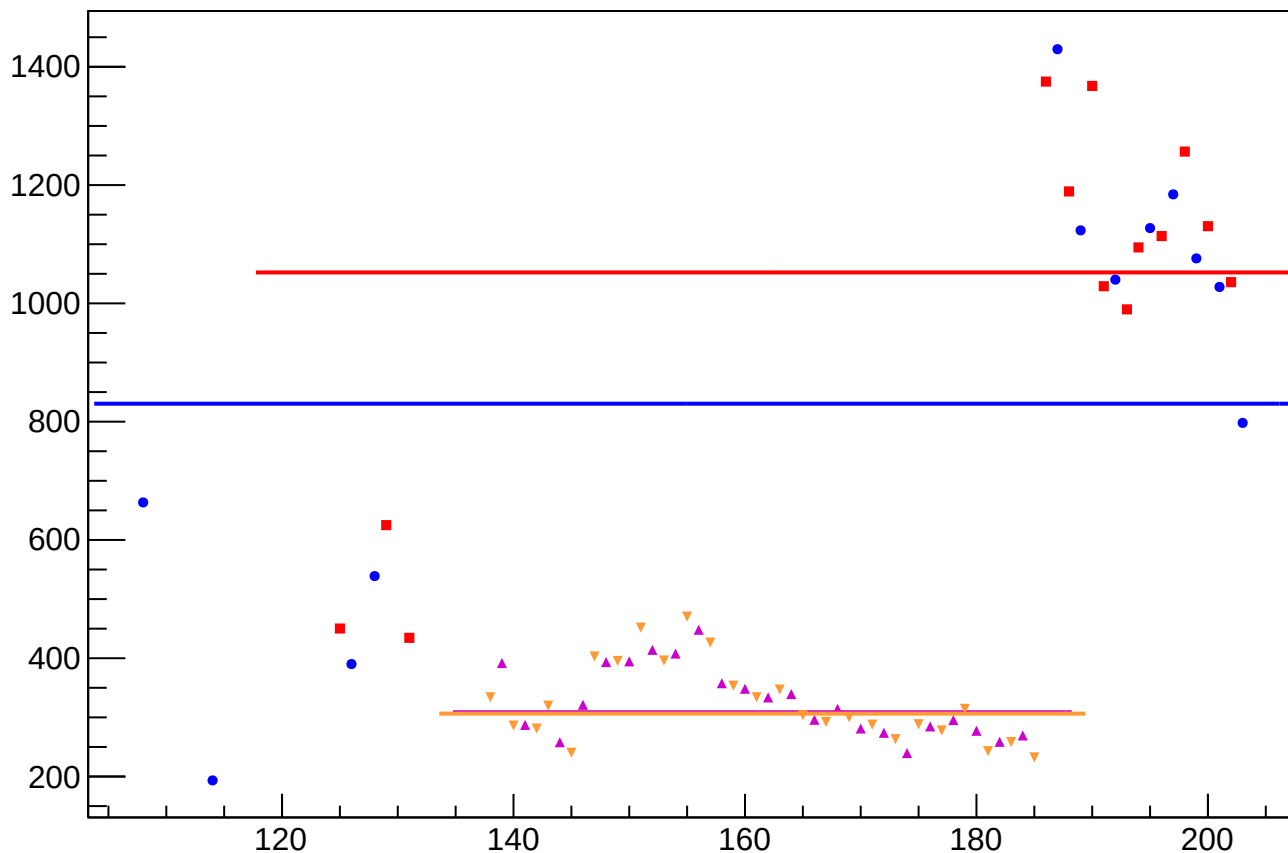
Left In: -4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

+ sign -285.078 ± 71.422 $\chi^2/\text{NDF}: 62.5/36$

All: -160.383 ± 51.365 $\chi^2/\text{NDF}: 111.7/72$

- sign -26.796 ± 73.925 $\chi^2/\text{NDF}: 42.8/35$

asym_sam7_correction_rms vs Slug



Right In: 830.391+/-0.267 χ^2/NDF : 1723319.3/11

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 1052.291+/-0.299 χ^2/NDF : 576056.9/12

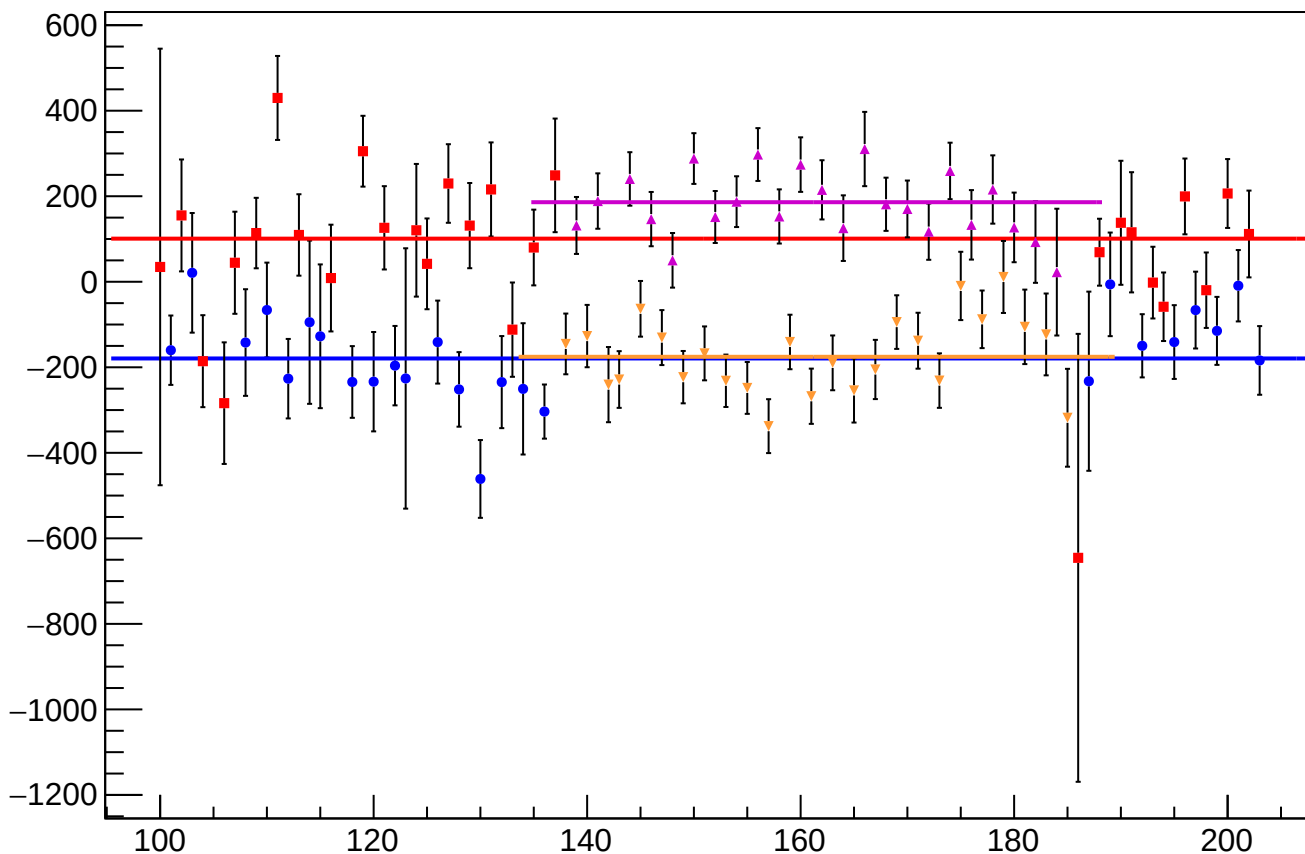
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 325.072+/-0.051 χ^2/NDF : 6645708.5/36

All: 328.179+/-0.036 χ^2/NDF : 14241872.3/72

- sign 331.508+/-0.052 χ^2/NDF : 7588324.7/35

reg_asym_sam8_mean vs Slug



Right In: -179.361 ± 19.624 χ^2/NDF : 28.1/24

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 100.826 ± 19.196 χ^2/NDF : 53.9/28

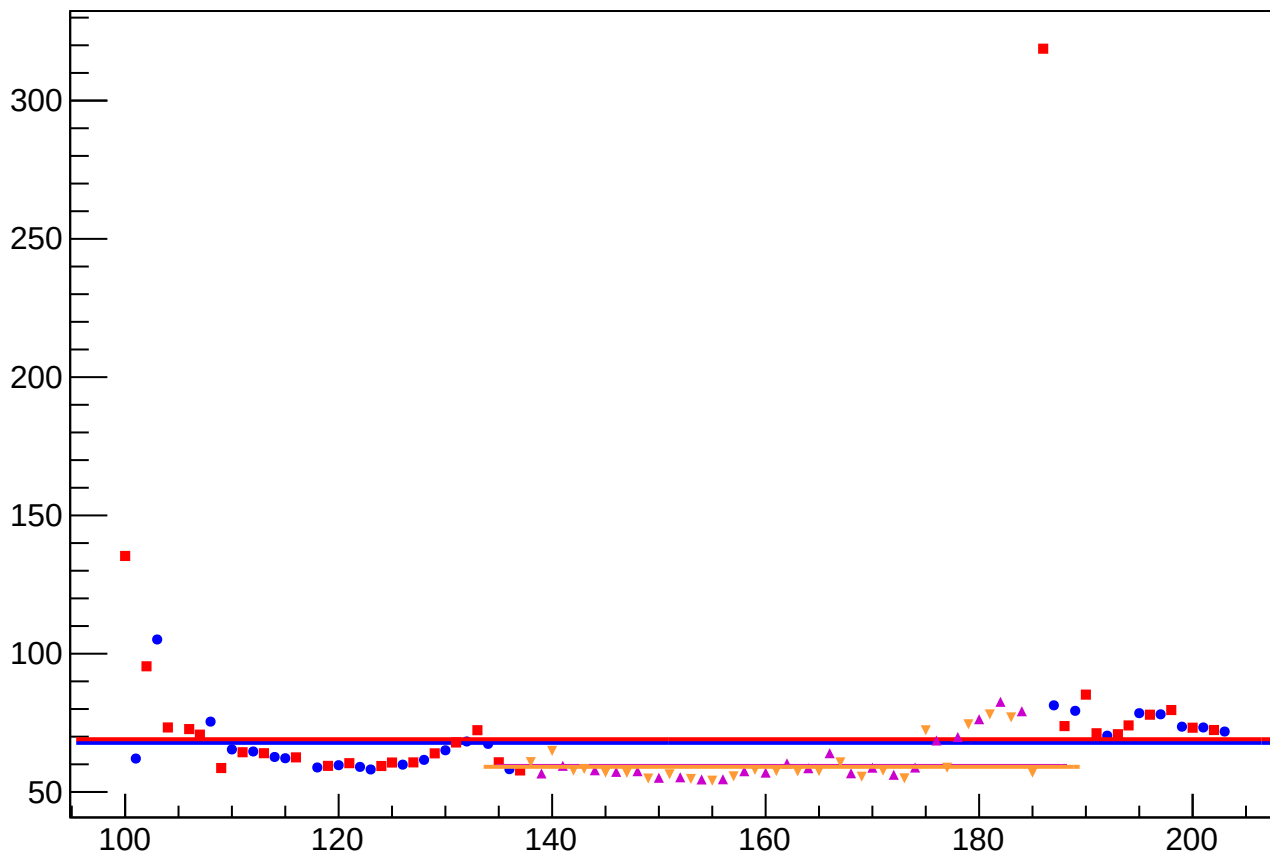
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -176.764 ± 11.313 χ^2/NDF : 62.8/49

All: -12.957 ± 8.056 χ^2/NDF : 578.2/101

- sign 155.590 ± 11.476 χ^2/NDF : 90.1/51

reg_asym_sam8_rms vs Slug



Right In: 67.767 $\pm$ 0.014 χ^2 /NDF: 400293.3/24

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 69.075 $\pm$ 0.014 χ^2 /NDF: 838835.3/28

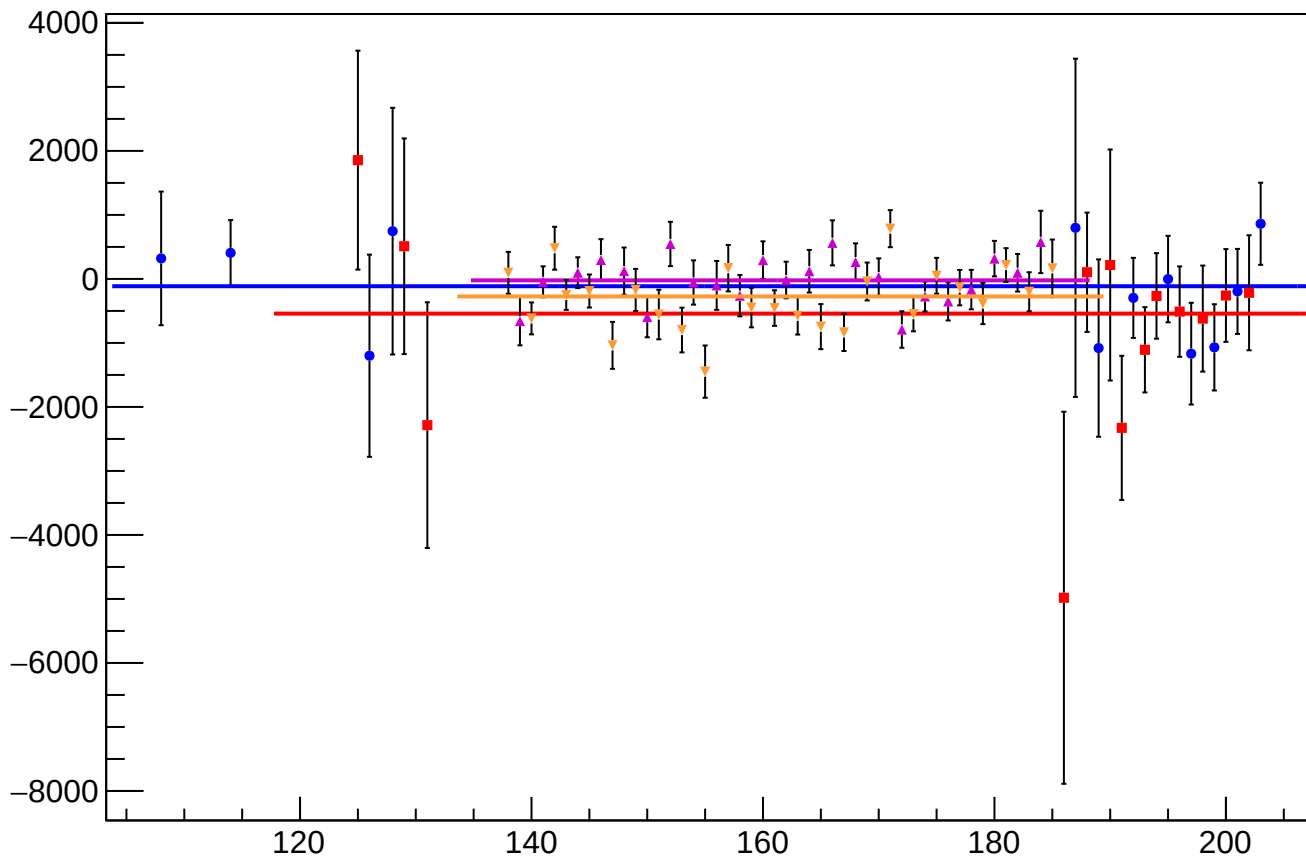
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 61.980 $\pm$ 0.008 χ^2 /NDF: 1030560.8/49

All: 62.416 $\pm$ 0.006 χ^2 /NDF: 2574261.4/101

- sign 62.864 $\pm$ 0.008 χ^2 /NDF: 1537677.2/51

asym_sam8_correction_mean vs Slug



Right In: -114.170 ± 227.676 χ^2/NDF : 8.7/11

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -542.235 ± 263.257 χ^2/NDF : 9.9/12

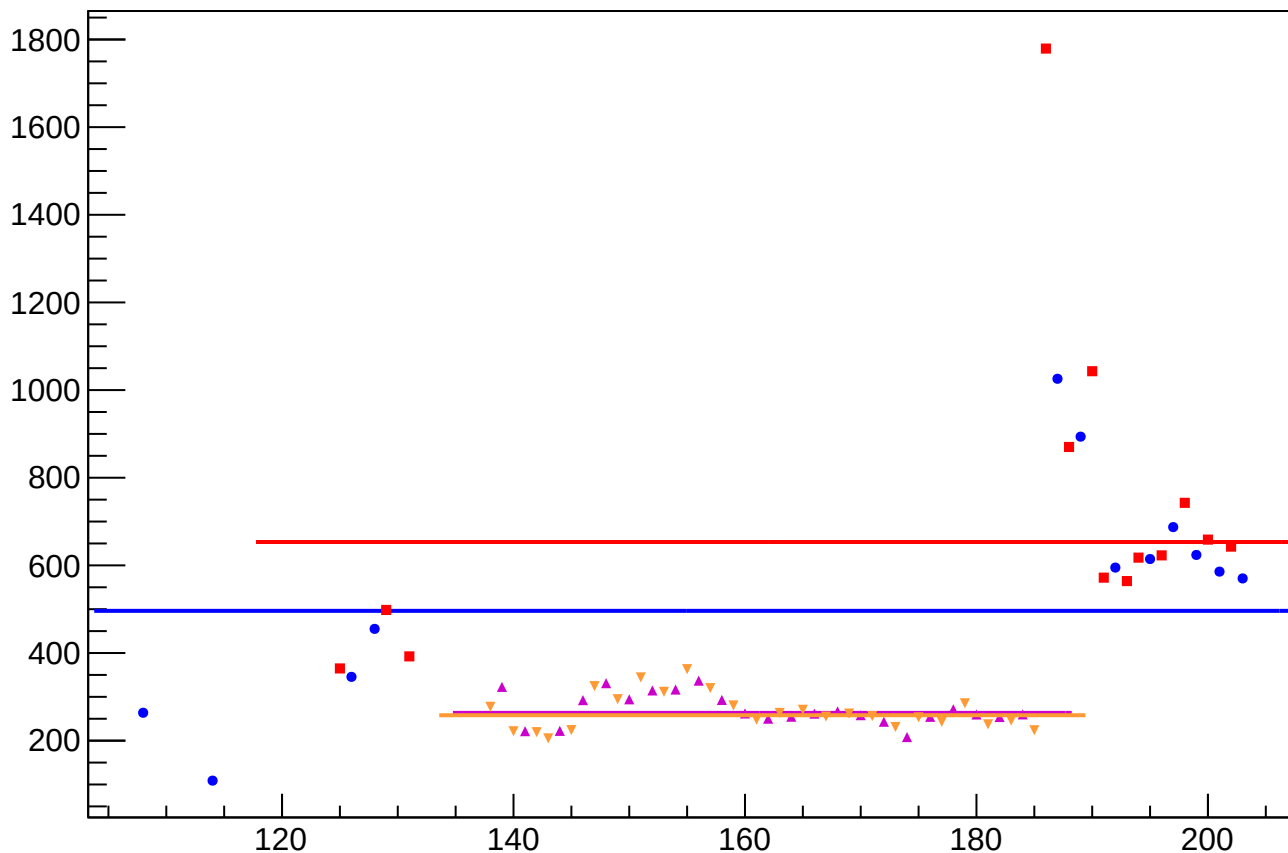
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -263.446 ± 58.741 χ^2/NDF : 63.1/36

All: -162.868 ± 42.596 χ^2/NDF : 111.7/72

- sign -51.322 ± 61.861 χ^2/NDF : 42.4/35

asym_sam8_correction_rms vs Slug



Right In: 496.216+/-0.161 χ^2/NDF : 1868409.0/11

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 653.324+/-0.186 χ^2/NDF : 691860.3/12

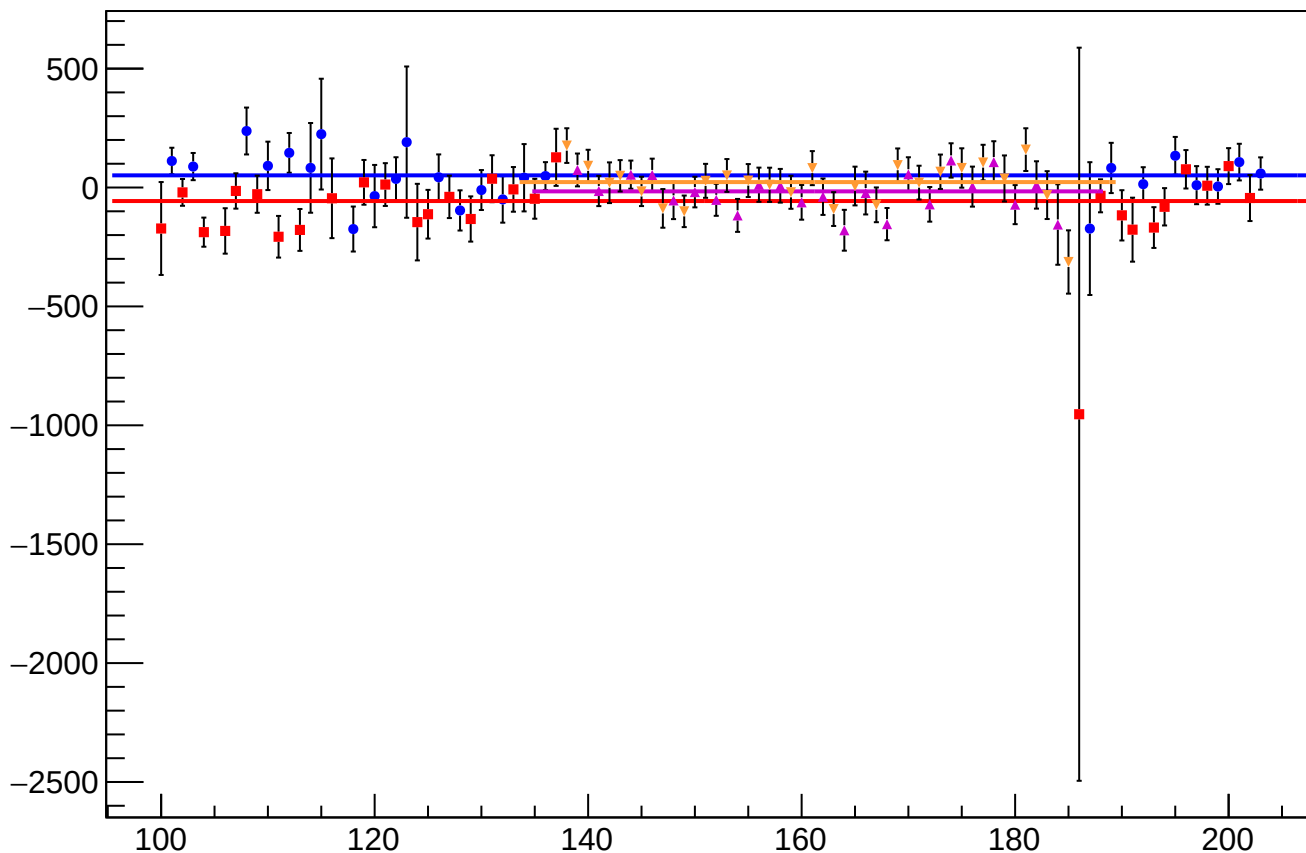
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 273.894+/-0.042 χ^2/NDF : 4636265.5/36

All: 279.126+/-0.030 χ^2/NDF : 10092601.0/72

- sign 284.927+/-0.044 χ^2/NDF : 5422881.3/35

reg_asym_sam_15_avg_mean vs Slug



Right In: 51.151 ± 17.295 χ^2/NDF : 21.5/24

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -56.881 ± 16.584 χ^2/NDF : 29.0/28

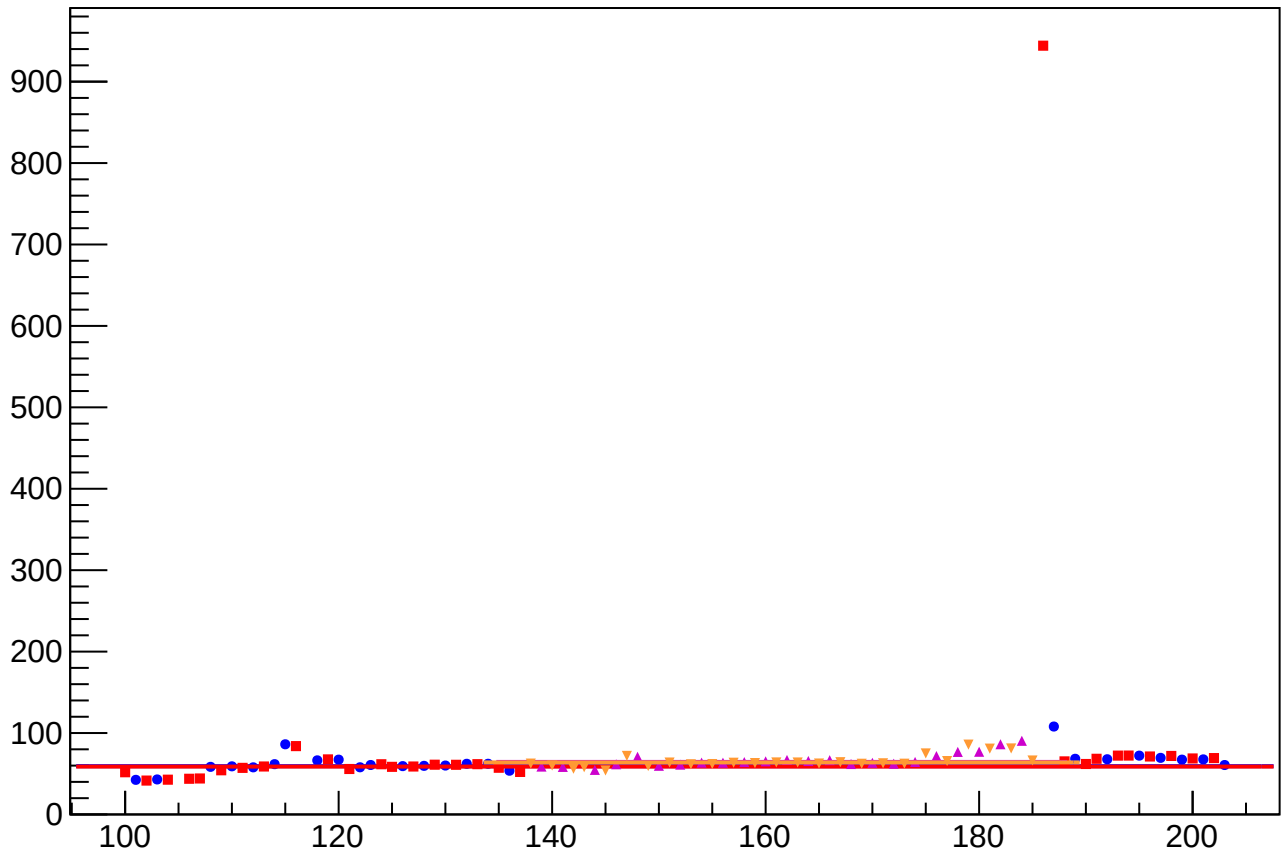
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 34.981 ± 11.318 χ^2/NDF : 52.0/49

All: -0.056 ± 8.009 χ^2/NDF : 126.8/101

- sign -35.206 ± 11.336 χ^2/NDF : 55.5/51

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.287 $\pm$ 0.012 χ^2 /NDF: 650862.5/24

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 58.802 $\pm$ 0.012 χ^2 /NDF: 1493103.3/28

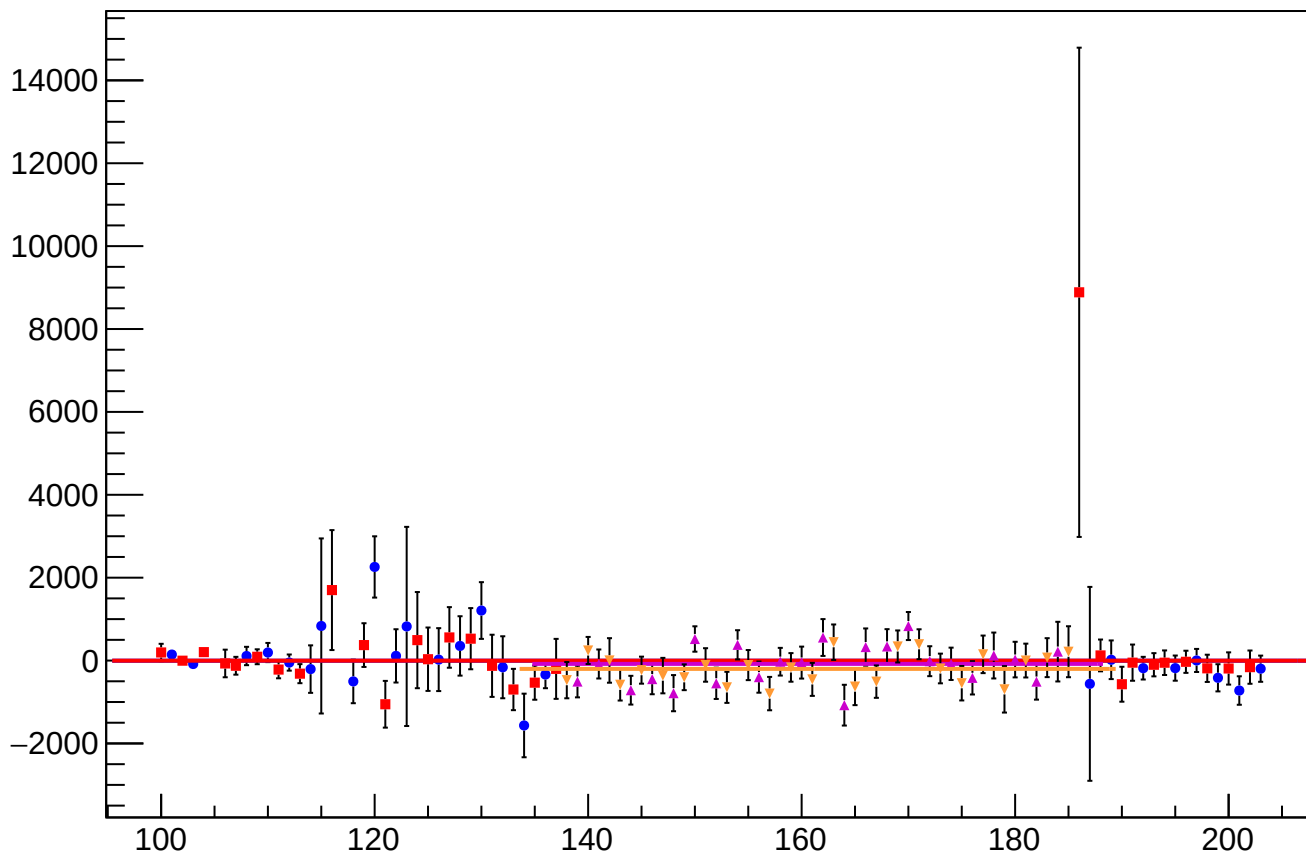
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.936 $\pm$ 0.008 χ^2 /NDF: 1128335.9/49

All: 61.890 $\pm$ 0.006 χ^2 /NDF: 3118270.5/101

- sign 61.844 $\pm$ 0.008 χ^2 /NDF: 1989868.3/51

asym_sam_15_avg_correction_mean vs Slug



Right In: -3.794 ± 47.361 χ^2/NDF : 31.7/24

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -2.601 ± 48.220 χ^2/NDF : 24.1/28

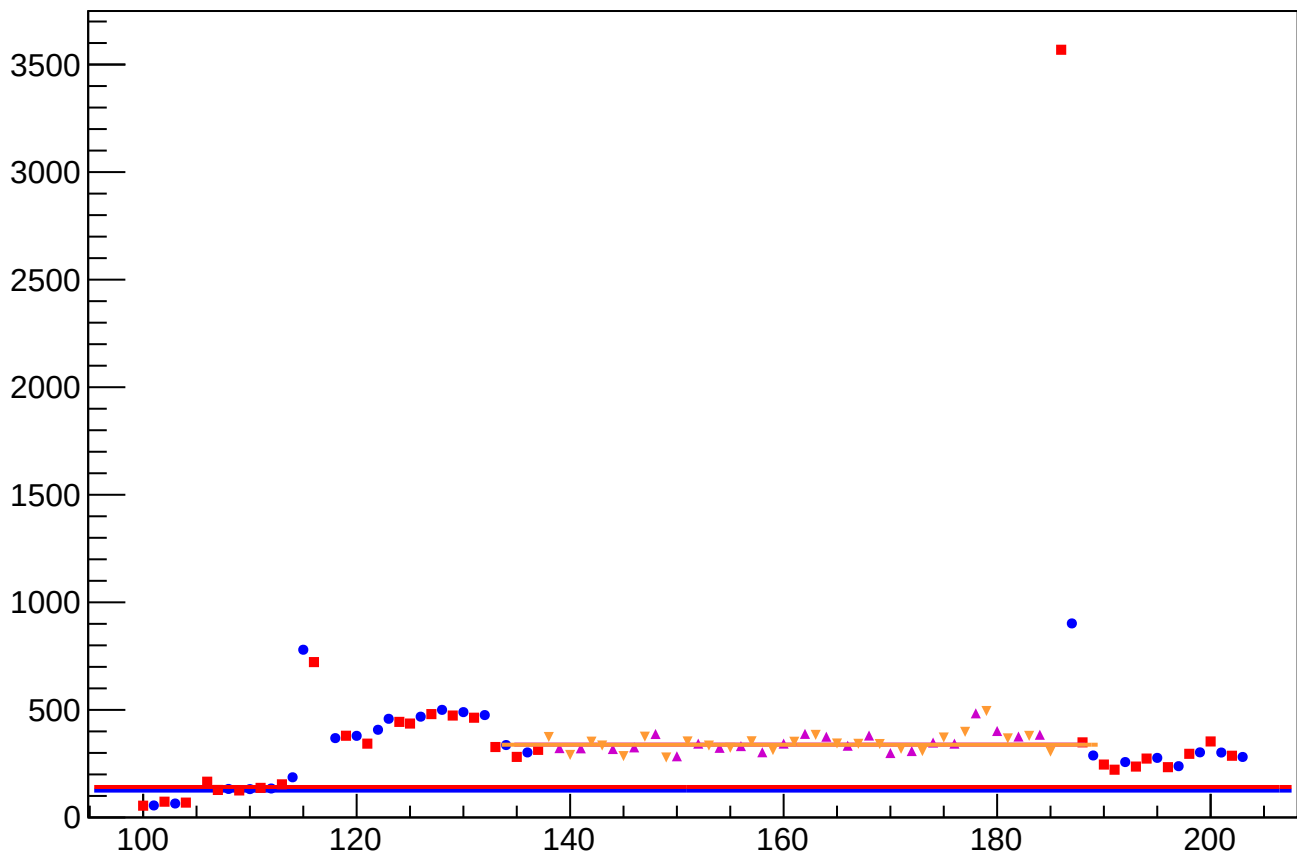
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -55.425 ± 40.695 χ^2/NDF : 55.9/49

All: -39.331 ± 29.069 χ^2/NDF : 114.3/101

- sign -22.564 ± 41.538 χ^2/NDF : 58.1/51

asym_sam_15_avg_correction_rms vs Slug



Right In: 124.814 $\pm$ 0.033 χ^2 /NDF: 9766403.2/24

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 141.621 $\pm$ 0.034 χ^2 /NDF: 9220158.8/28

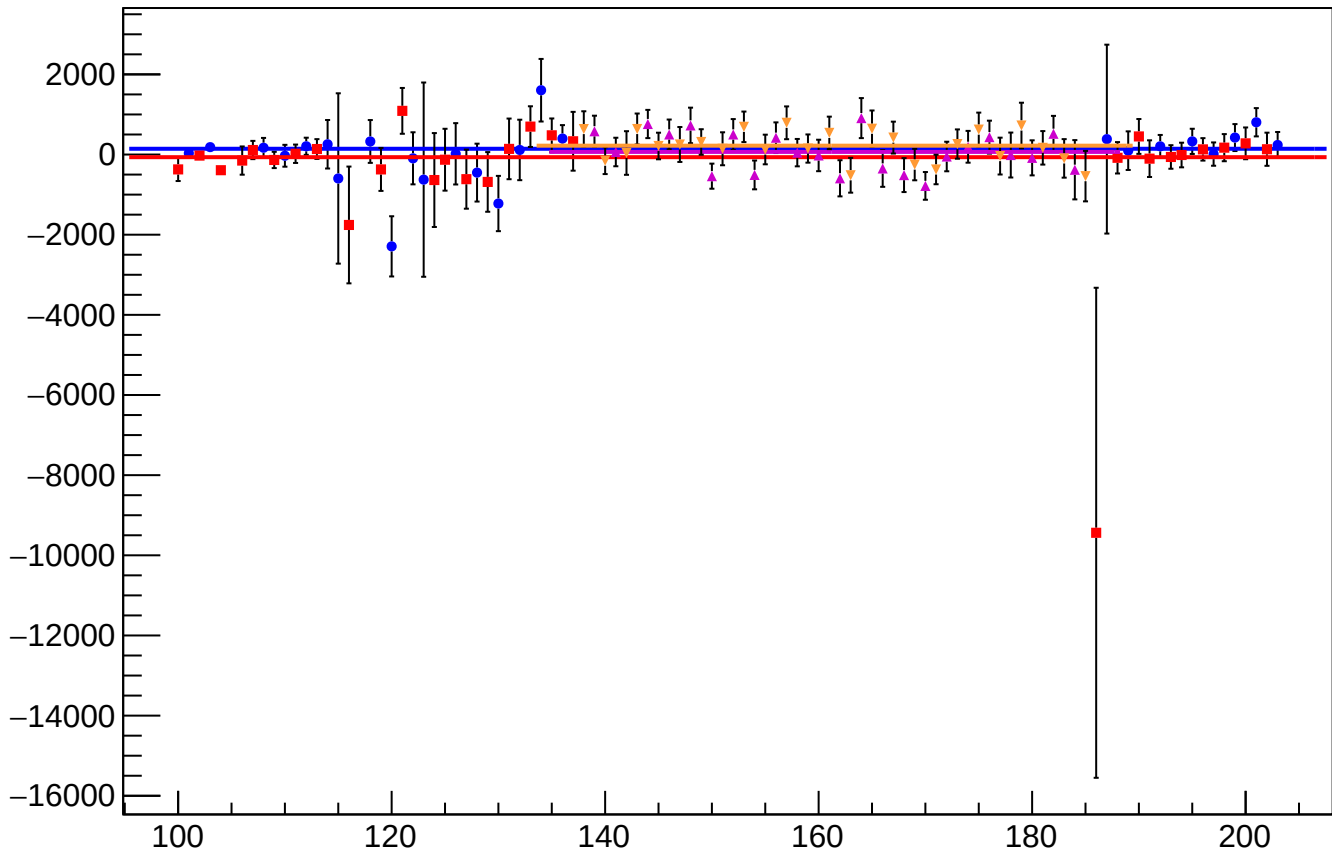
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 180.639 $\pm$ 0.029 χ^2 /NDF: 20882988.4/49

All: 186.412 $\pm$ 0.021 χ^2 /NDF: 39229011.9/10

- sign 192.427 $\pm$ 0.029 χ^2 /NDF: 18263833.9/51

asym_sam_15_avg_mean vs Slug



Right In: 143.989 $\pm$ 56.276 χ^2 /NDF: 26.3/24

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF: 19.7/24

Right Out: -65.868 $\pm$ 54.050 χ^2 /NDF: 27.4/28

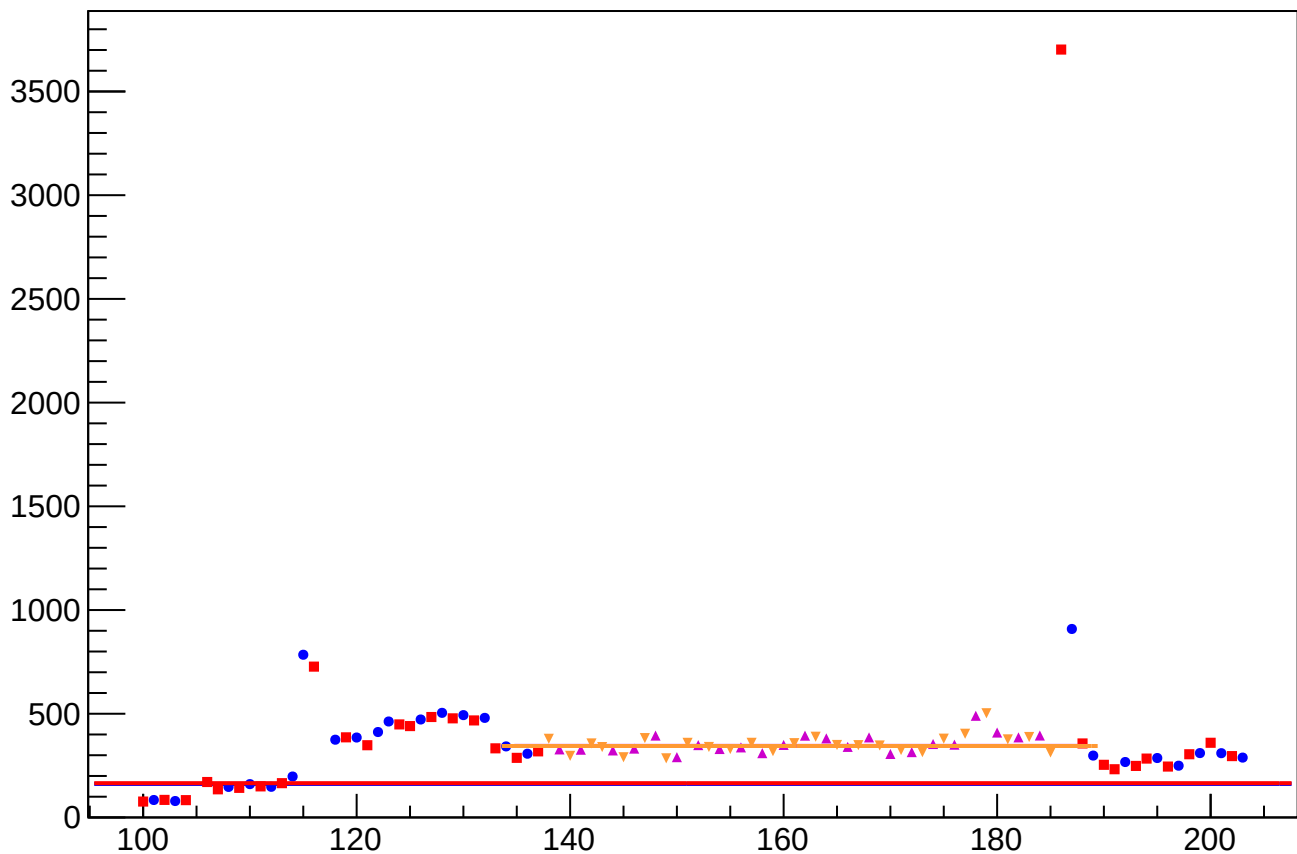
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF: 34.0/22

+ sign 169.080 $\pm$ 46.220 χ^2 /NDF: 46.6/49

All: 69.188 $\pm$ 32.368 χ^2 /NDF: 118.9/101

- sign -26.956 $\pm$ 45.344 χ^2 /NDF: 63.1/51

asym_sam_15_avg_rms vs Slug



Right In: 161.570 $\pm$ 0.040 χ^2 /NDF: 7470154.5/24

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 165.279 $\pm$ 0.038 χ^2 /NDF: 7813400.3/28

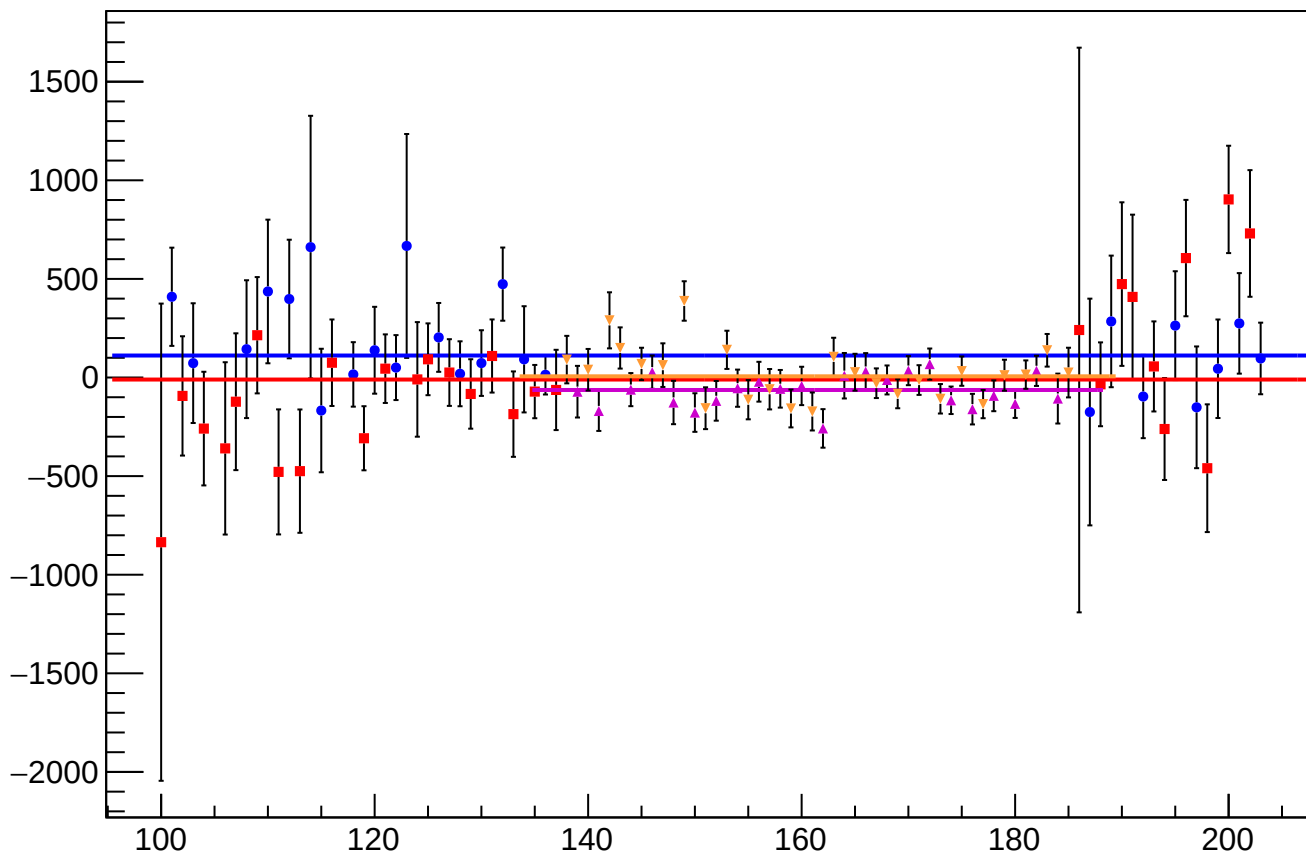
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 221.108 $\pm$ 0.033 χ^2 /NDF: 14836596.9/49

All: 219.789 $\pm$ 0.023 χ^2 /NDF: 29632819.6/10

- sign 218.521 $\pm$ 0.032 χ^2 /NDF: 14793031.1/51

reg_asym_sam_26_avg_mean vs Slug



Right In: 111.481 ± 43.317 $\chi^2/\text{NDF}: 14.5/24$

Left Out: 6.020 ± 17.910 $\chi^2/\text{NDF}: 46.0/24$

Right Out: -10.312 ± 44.206 $\chi^2/\text{NDF}: 38.8/28$

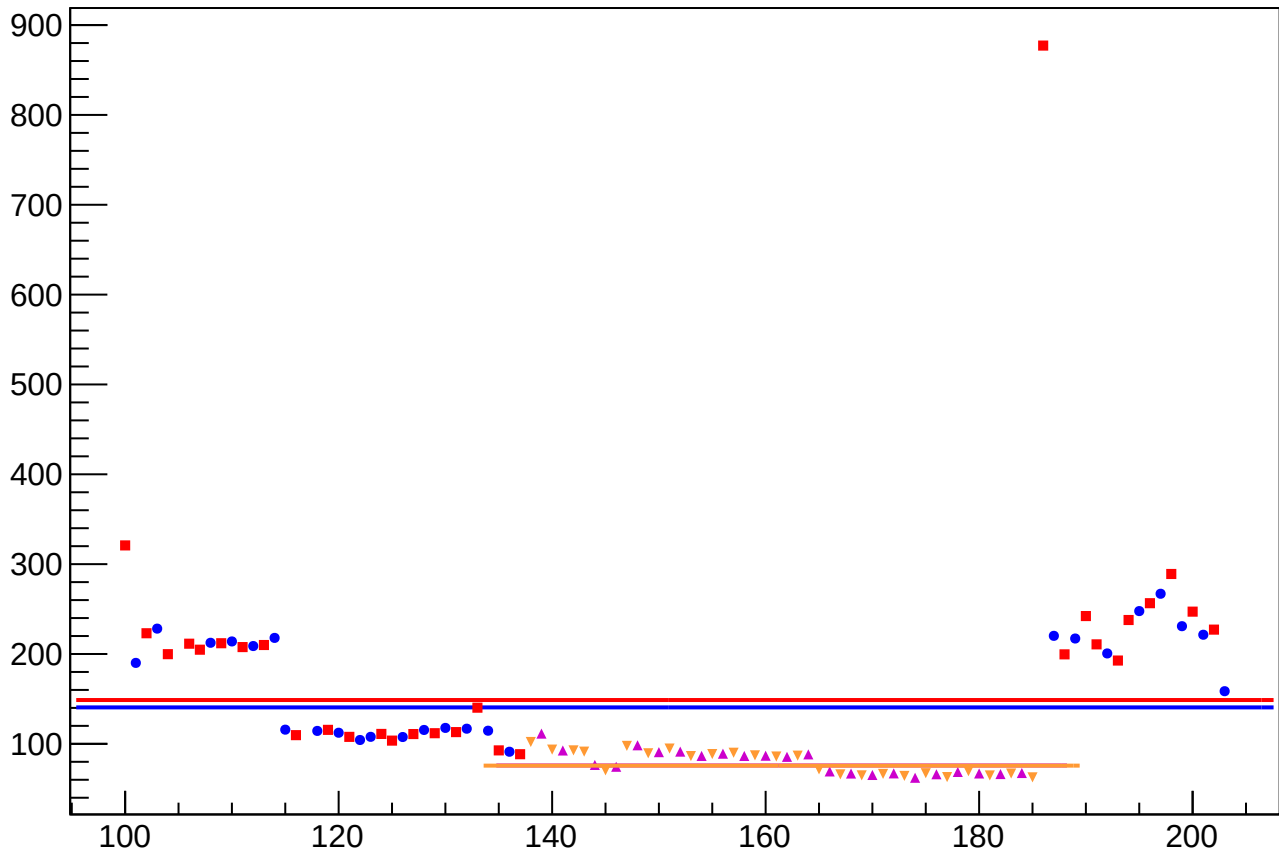
Left In: -63.279 ± 18.447 $\chi^2/\text{NDF}: 19.8/22$

+ sign 21.417 ± 16.551 $\chi^2/\text{NDF}: 65.6/49$

All: -15.922 ± 11.867 $\chi^2/\text{NDF}: 135.9/101$

- sign -55.424 ± 17.024 $\chi^2/\text{NDF}: 59.8/51$

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.558 $\pm$ 0.031 χ^2 /NDF: 2864014.3/24

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF: 937821.8/24

Right Out: 148.761 $\pm$ 0.031 χ^2 /NDF: 3867253.1/28

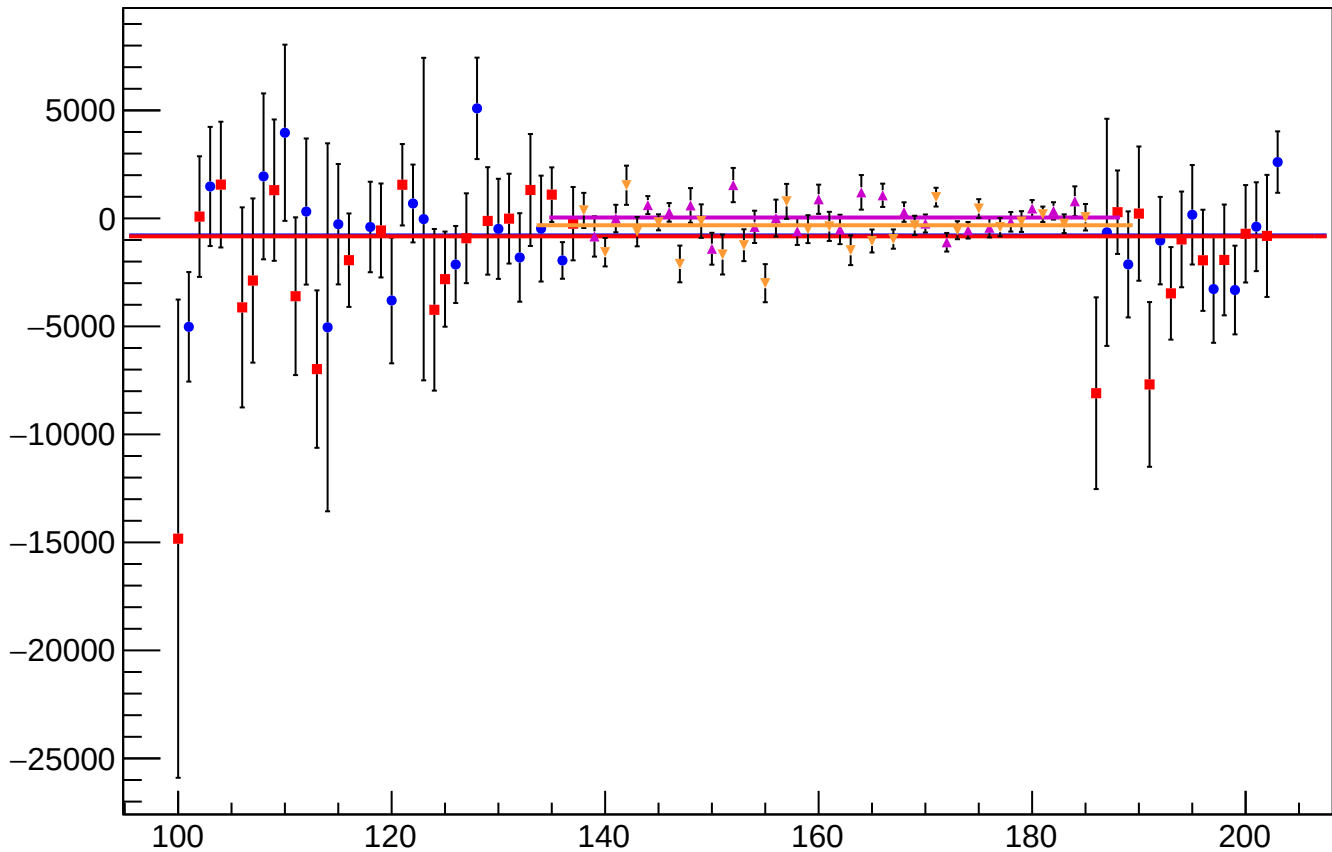
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF: 831366.4/22

+ sign 85.205 $\pm$ 0.012 χ^2 /NDF: 7626050.3/49

All: 85.938 $\pm$ 0.008 χ^2 /NDF: 16959025.1/101

- sign 86.714 $\pm$ 0.012 χ^2 /NDF: 9324905.3/51

asym_sam_26_avg_correction_mean vs Slug



Right In: -789.422 ± 424.173 χ^2/NDF : 25.2/24

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -831.317 ± 451.133 χ^2/NDF : 22.2/28

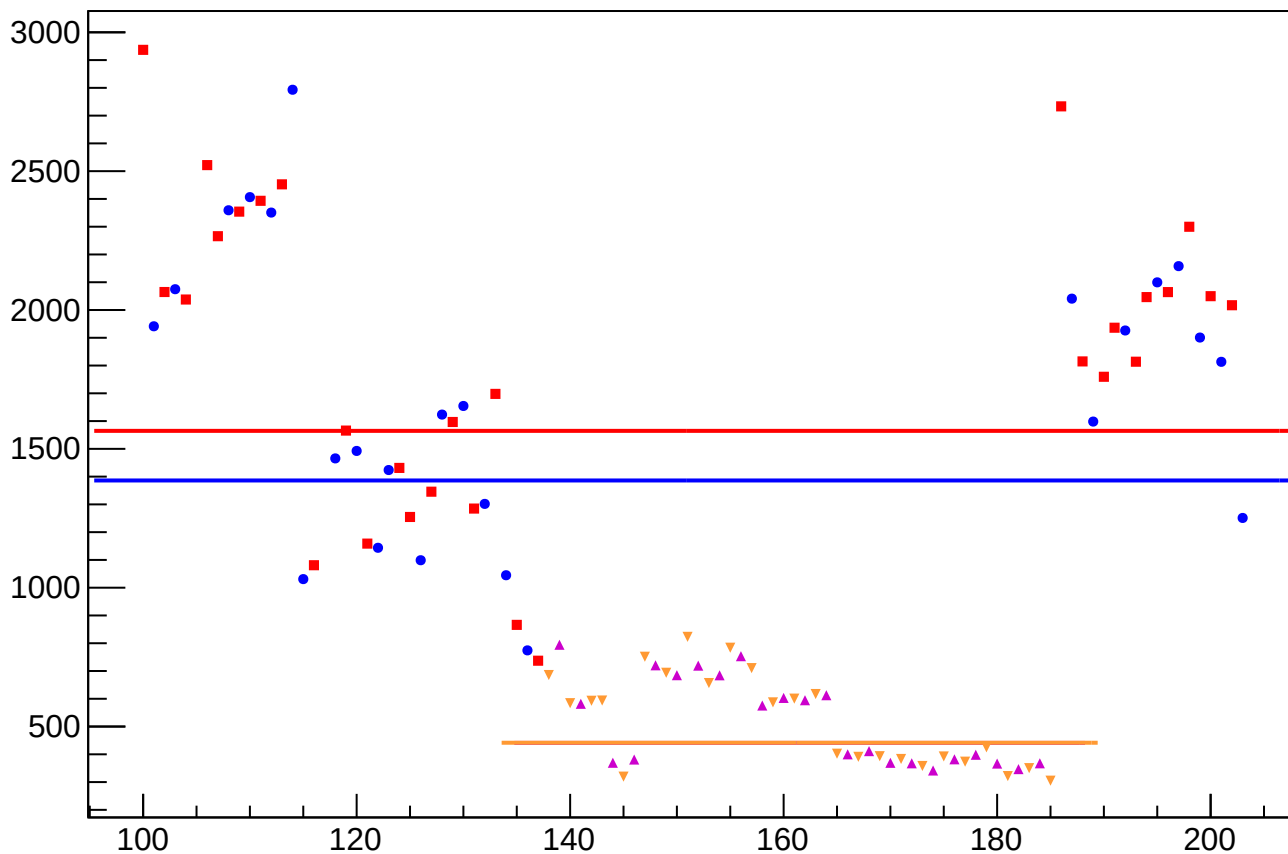
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -346.768 ± 104.673 χ^2/NDF : 76.4/49

All: -181.589 ± 74.859 χ^2/NDF : 142.0/101

- sign -8.662 ± 107.100 χ^2/NDF : 60.5/51

asym_sam_26_avg_correction_rms vs Slug



Right In: 1386.139+/-0.300 χ^2/NDF : 2750332.5/24

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1564.786+/-0.319 χ^2/NDF : 2745099.9/28

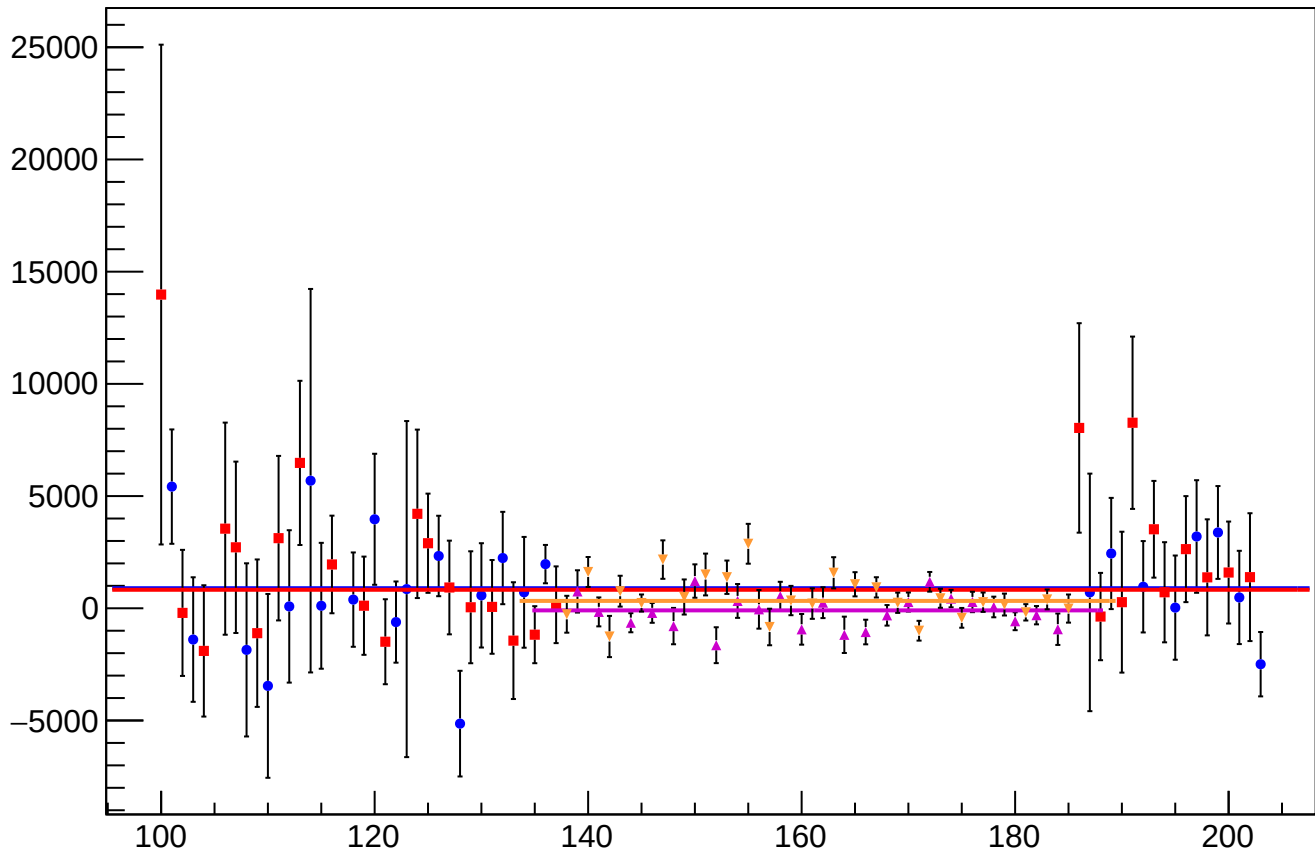
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 499.198+/-0.074 χ^2/NDF : 15230994.2/49

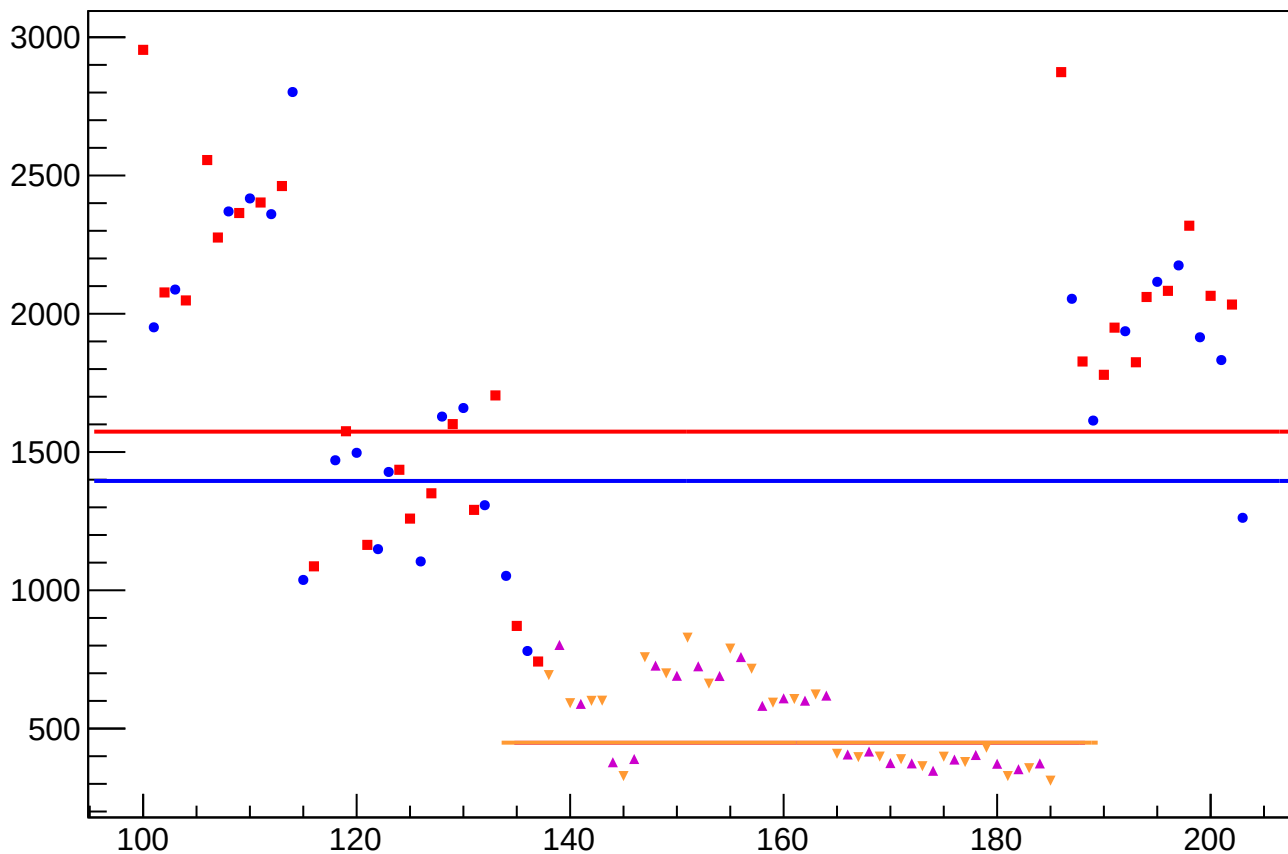
All: 501.712+/-0.053 χ^2/NDF : 32286330.2/10

- sign 504.345+/-0.076 χ^2/NDF : 17052973.1/51

asym_sam_26_avg_mean vs Slug



asym_sam_26_avg_rms vs Slug



Right In: 1395.426+/-0.302 χ^2/NDF : 2742436.5/24

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1573.750+/-0.321 χ^2/NDF : 2767361.1/28

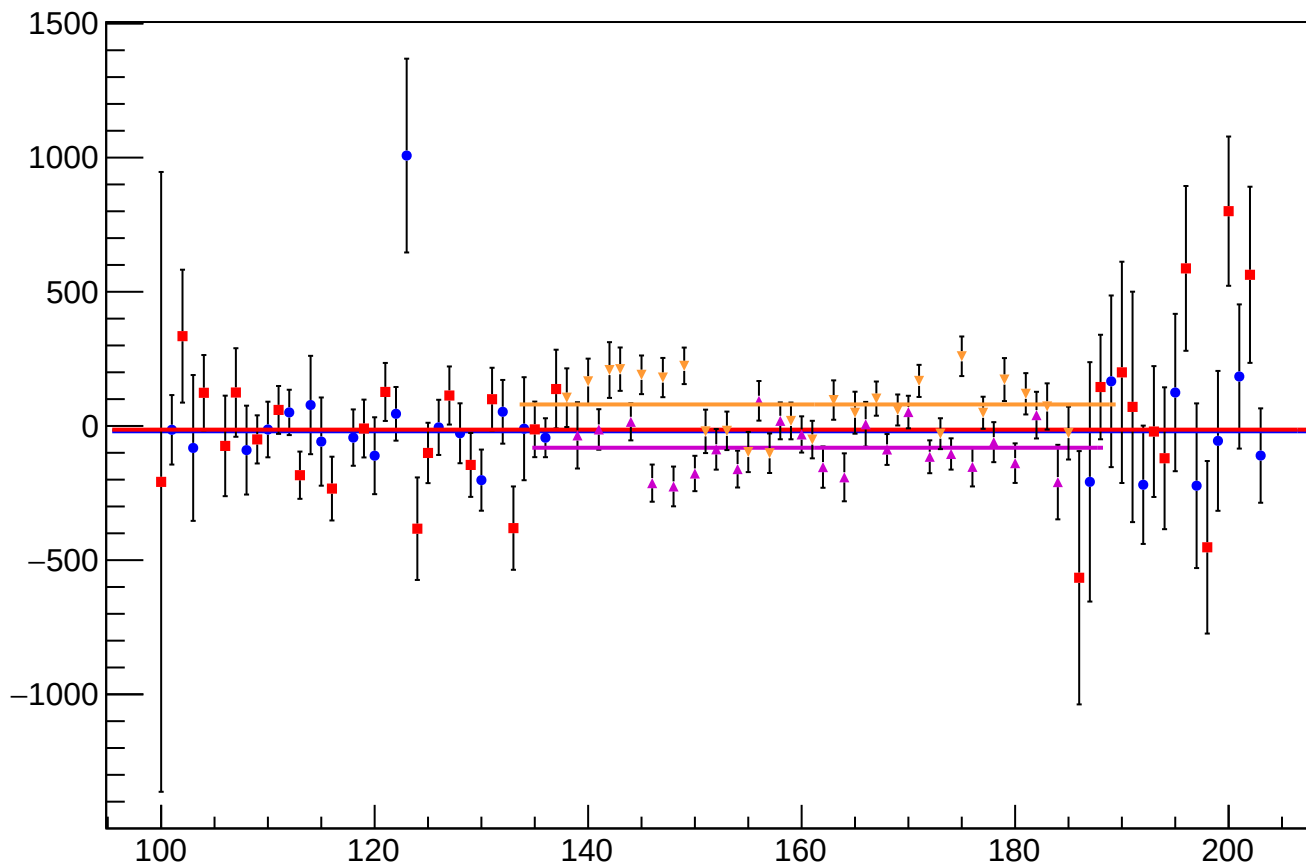
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 507.600+/-0.075 χ^2/NDF : 15052735.1/49

All: 510.154+/-0.054 χ^2/NDF : 31945932.5/10

- sign 512.829+/-0.077 χ^2/NDF : 16890830.0/51

reg_asym_sam_37_avg_mean vs Slug



Right In: -19.817 ± 27.573 $\chi^2/\text{NDF}: 16.2/24$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -13.703 ± 26.853 $\chi^2/\text{NDF}: 47.8/28$

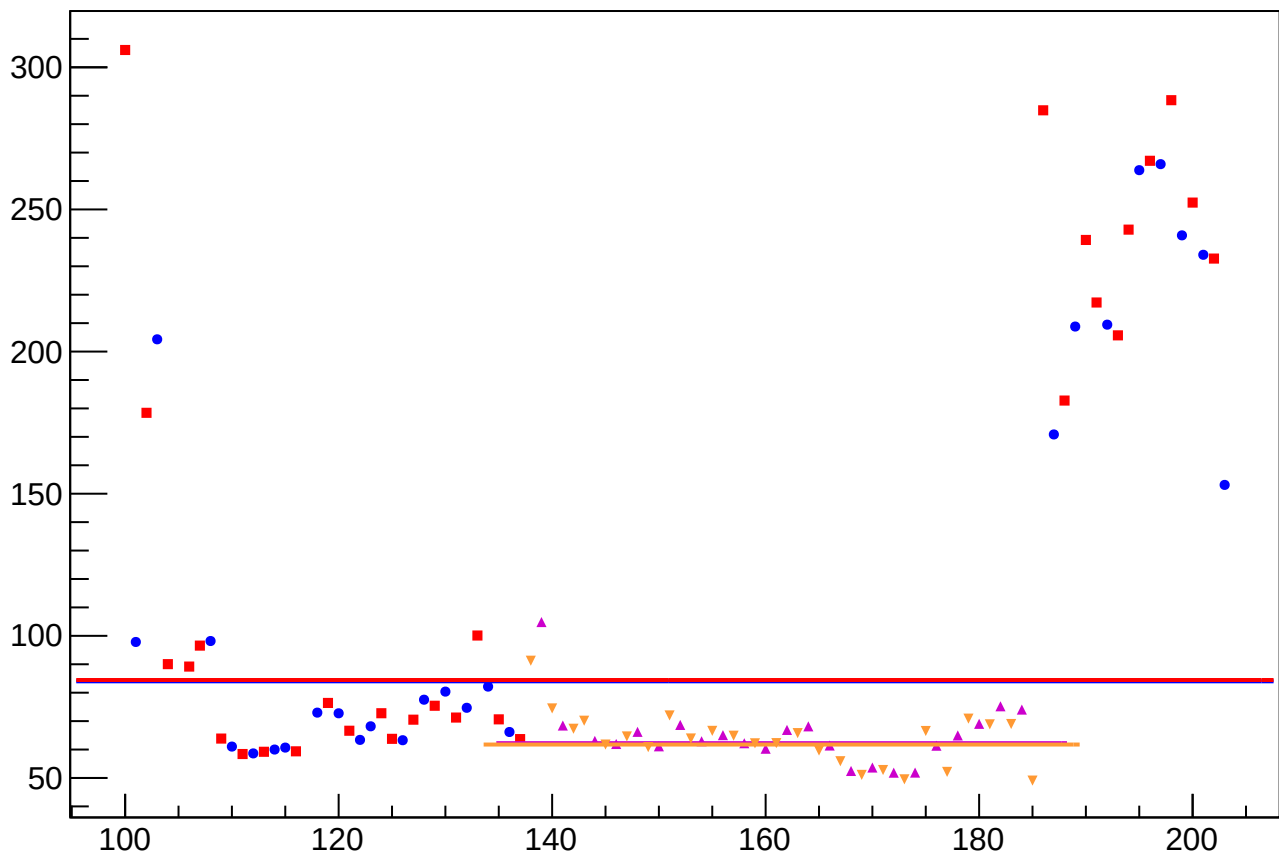
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 58.294 ± 12.897 $\chi^2/\text{NDF}: 75.0/49$

All: -2.057 ± 9.213 $\chi^2/\text{NDF}: 207.6/101$

- sign -64.943 ± 13.165 $\chi^2/\text{NDF}: 87.9/51$

reg_asym_sam_37_avg_rms vs Slug



Right In: 84.004 $\pm$ 0.019 χ^2 /NDF: 5269819.2/24

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 84.462 $\pm$ 0.019 χ^2 /NDF: 6421274.9/28

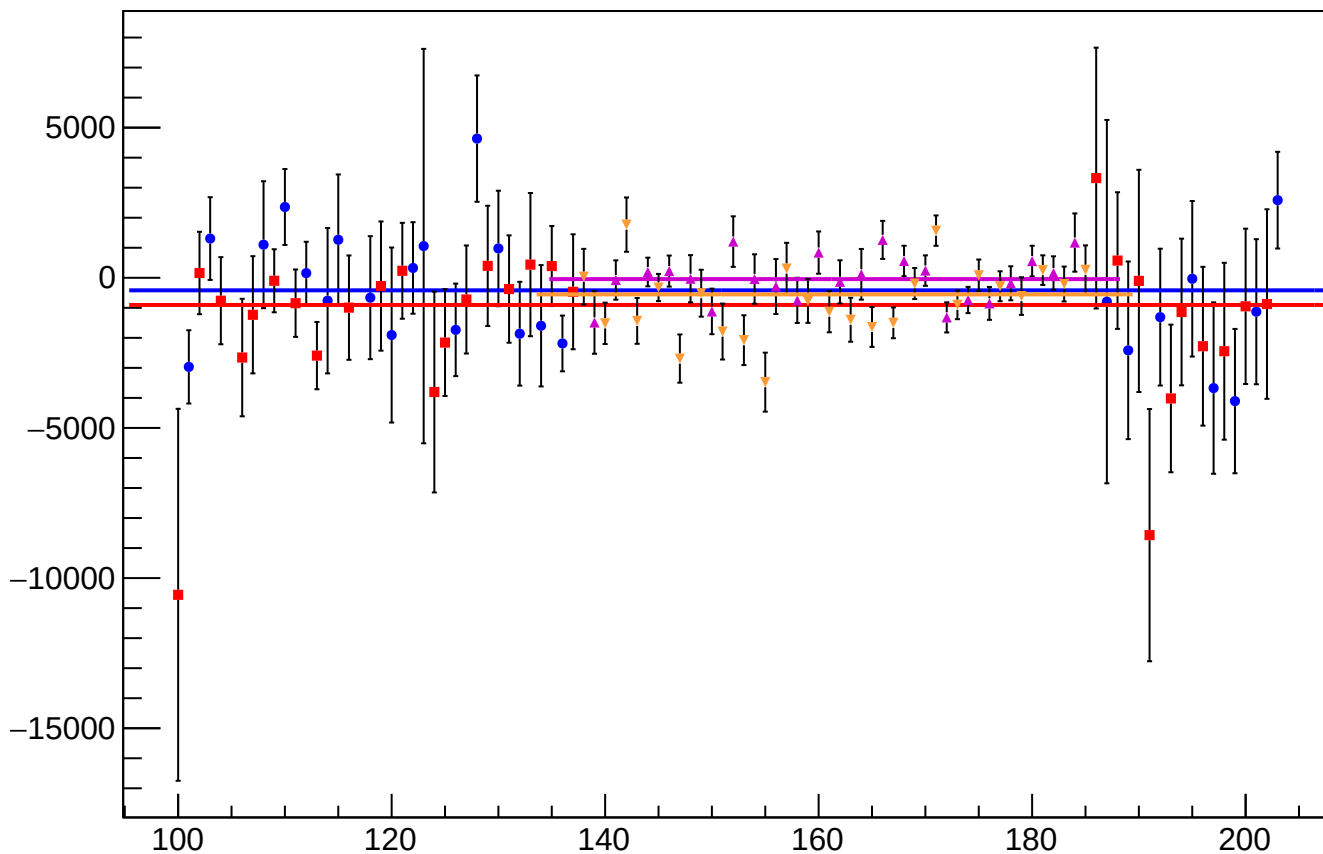
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 66.628 $\pm$ 0.009 χ^2 /NDF: 6932117.6/49

All: 67.098 $\pm$ 0.007 χ^2 /NDF: 14989372.6/100

- sign 67.589 $\pm$ 0.009 χ^2 /NDF: 8051815.0/51

asym_sam_37_avg_correction_mean vs Slug



Right In: -417.808 ± 350.193 χ^2/NDF : 32.3/24

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -904.510 ± 342.988 χ^2/NDF : 17.3/28

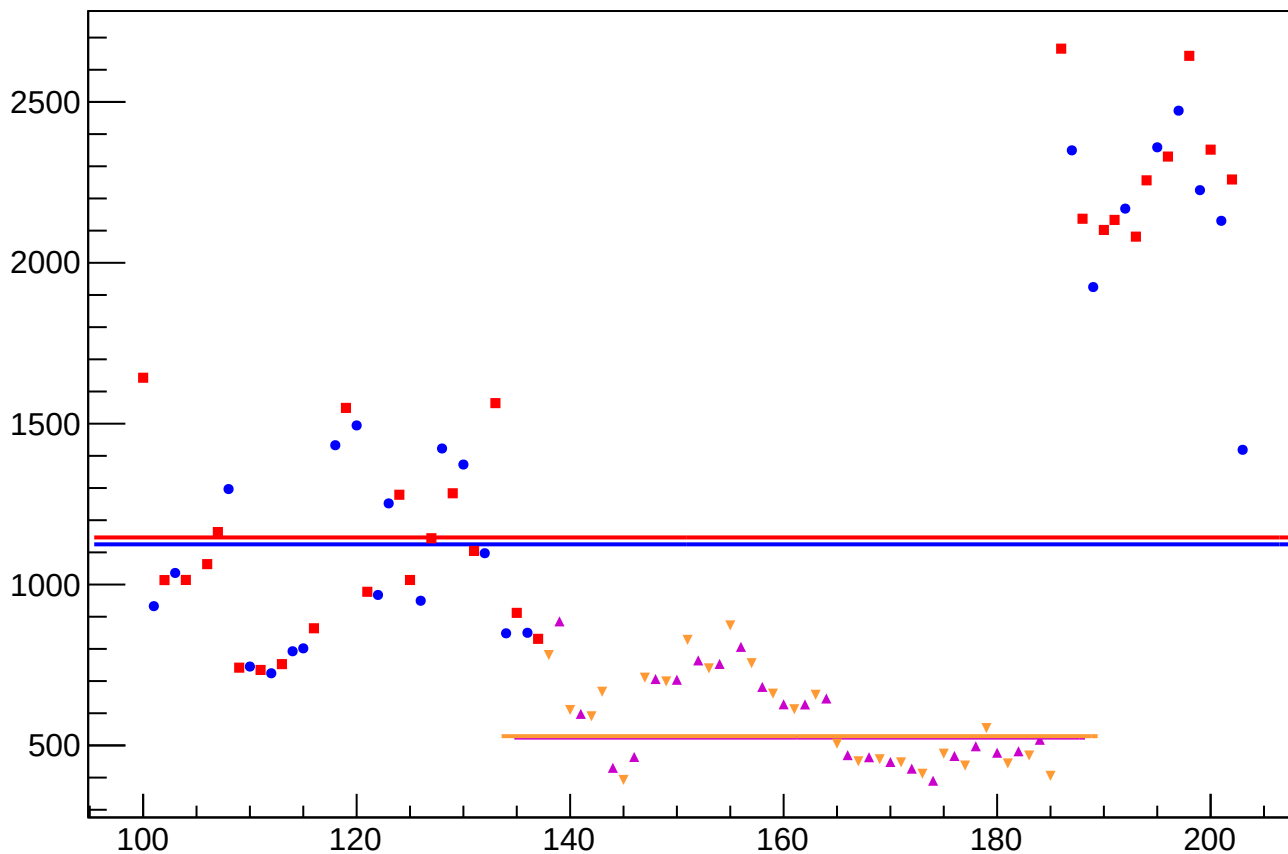
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -536.858 ± 119.375 χ^2/NDF : 97.7/49

All: -346.389 ± 84.917 χ^2/NDF : 155.3/101

- sign -151.283 ± 120.820 χ^2/NDF : 52.4/51

asym_sam_37_avg_correction_rms vs Slug



Right In: 1124.956 $\pm$ 0.248 χ^2 /NDF: 3421434.1/24

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1146.401 $\pm$ 0.243 χ^2 /NDF: 4383769.0/28

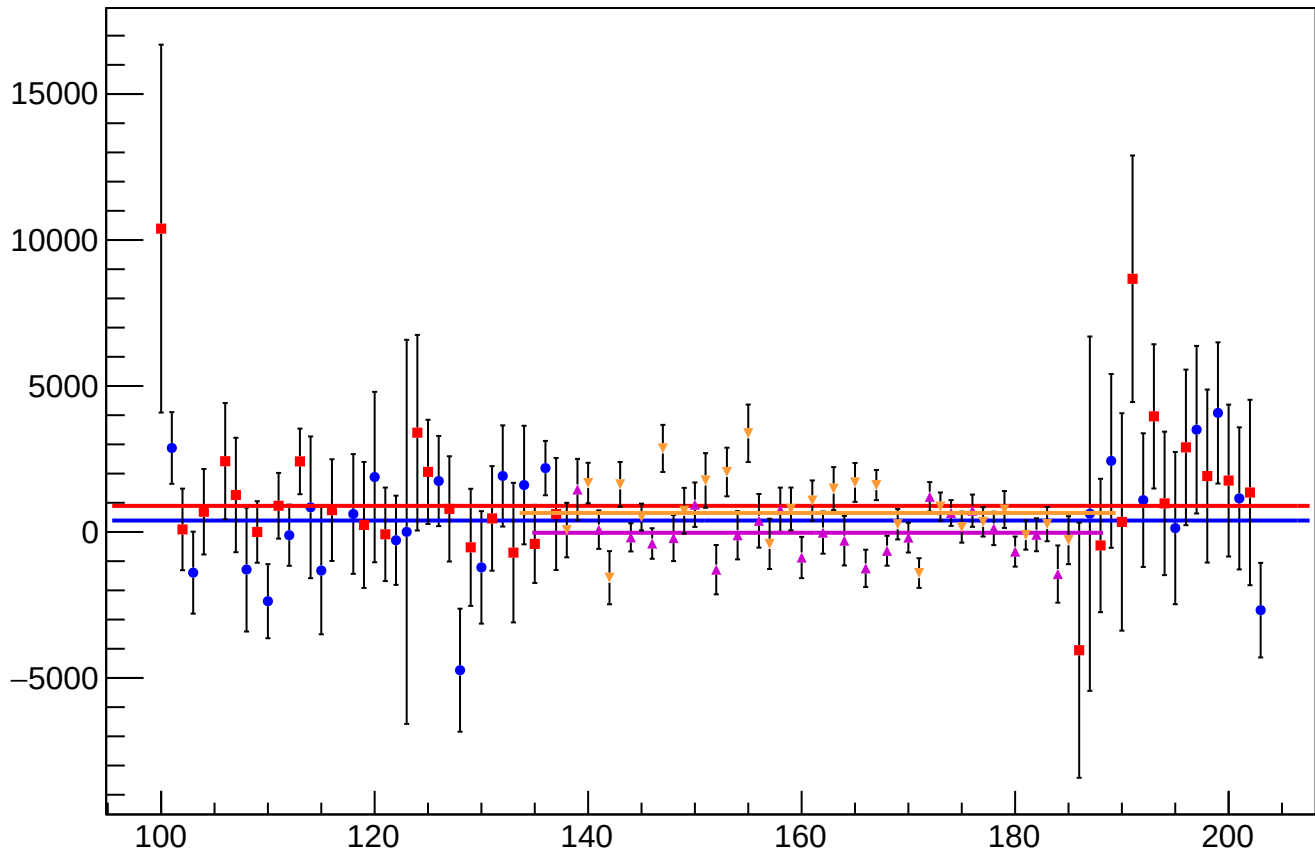
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 598.018 $\pm$ 0.084 χ^2 /NDF: 10528792.3/49

All: 599.721 $\pm$ 0.060 χ^2 /NDF: 22393344.7/10

- sign 601.466 $\pm$ 0.085 χ^2 /NDF: 11863728.2/51

asym_sam_37_avg_mean vs Slug



Right In: 391.564 ± 351.877 χ^2/NDF : 32.4/24

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 894.408 ± 344.760 χ^2/NDF : 16.6/28

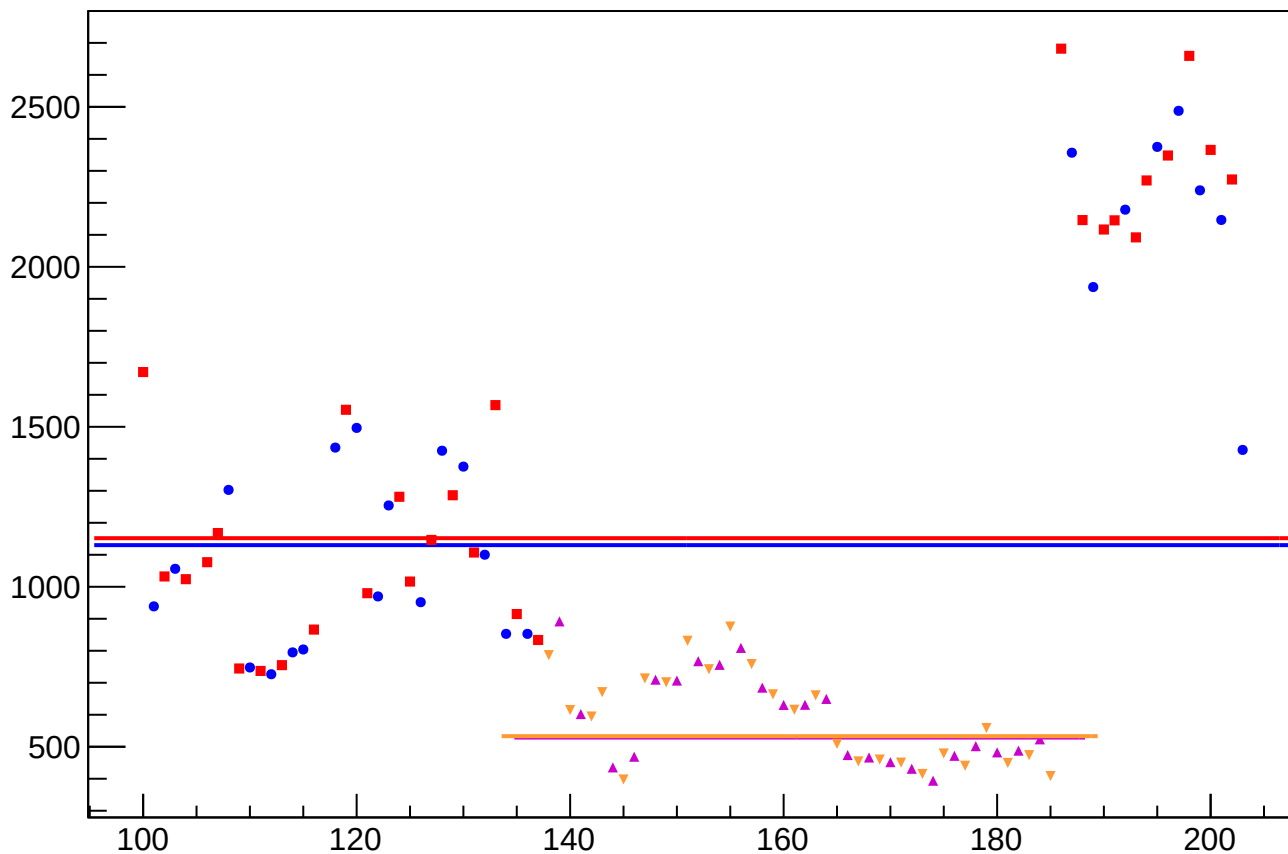
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 621.193 ± 120.256 χ^2/NDF : 94.0/49

All: 357.613 ± 85.555 χ^2/NDF : 155.1/101

- sign 87.474 ± 121.743 χ^2/NDF : 51.4/51

asym_sam_37_avg_rms vs Slug



Right In: 1130.151 $\pm$ 0.249 χ^2 /NDF: 3429452.0/24

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1151.881 $\pm$ 0.244 χ^2 /NDF: 4393978.4/28

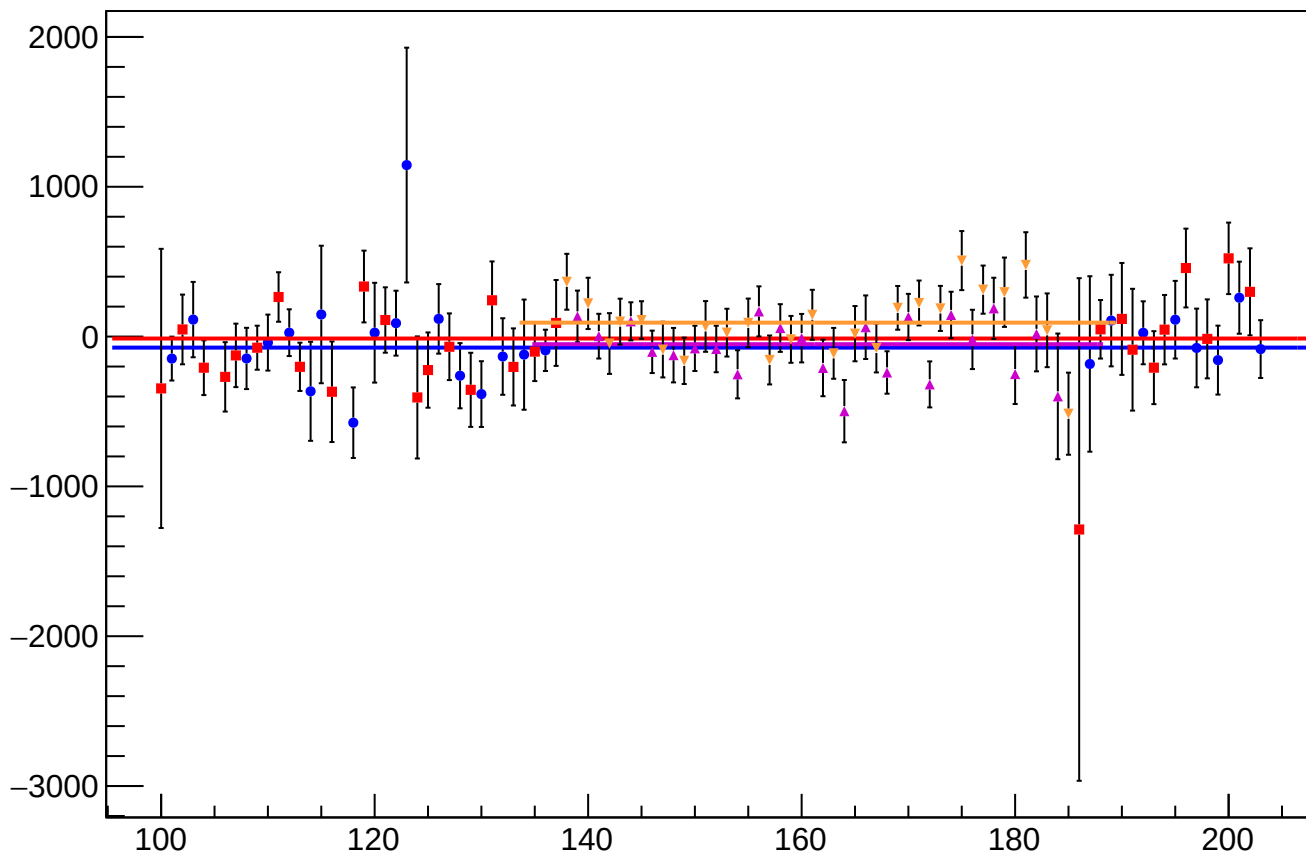
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 602.799 $\pm$ 0.085 χ^2 /NDF: 10467149.1/49

All: 604.579 $\pm$ 0.060 χ^2 /NDF: 22270458.2/10

- sign 606.404 $\pm$ 0.086 χ^2 /NDF: 11802421.6/51

reg_asym_sam_48_avg_mean vs Slug



Right In: -73.632 ± 45.435 χ^2/NDF : 16.7/24

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -12.960 ± 43.887 χ^2/NDF : 27.1/28

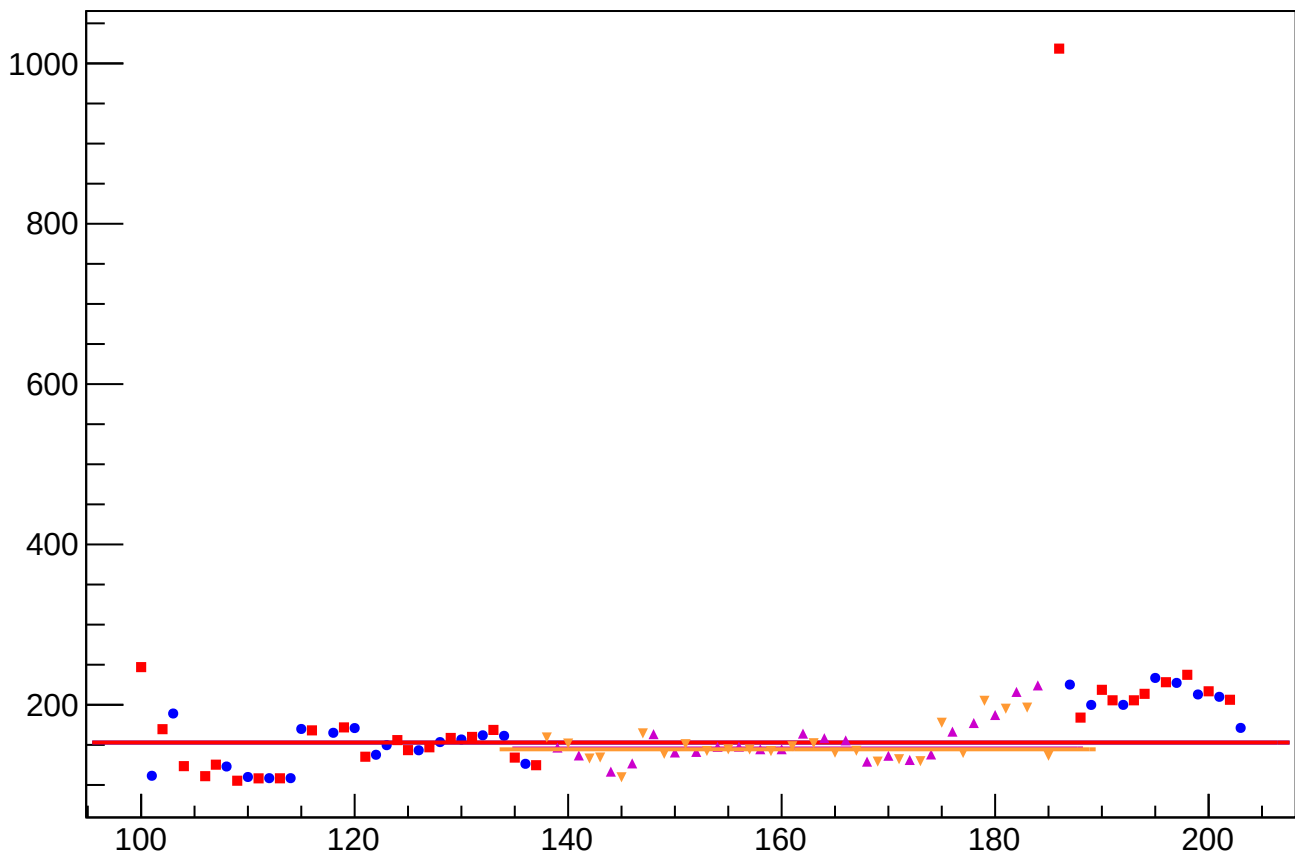
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 33.059 ± 27.249 χ^2/NDF : 54.7/49

All: -1.160 ± 19.355 χ^2/NDF : 108.9/101

- sign -36.004 ± 27.497 χ^2/NDF : 51.0/51

reg_asym_sam_48_avg_rms vs Slug



Right In: 152.880+/-0.032 χ^2/NDF : 1451880.5/24

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 152.953+/-0.031 χ^2/NDF : 2263650.4/28

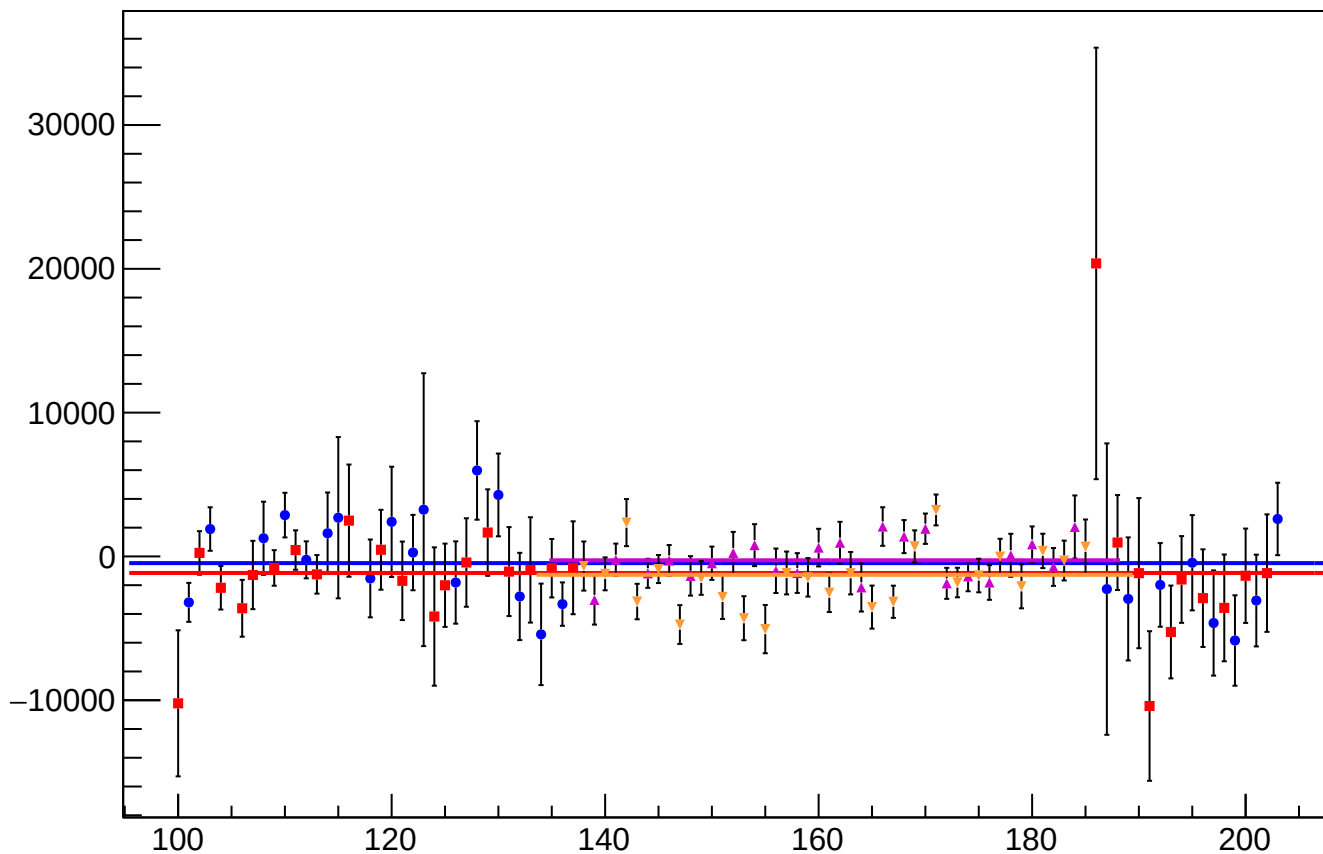
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 147.498+/-0.019 χ^2/NDF : 2166189.4/49

All: 147.968+/-0.014 χ^2/NDF : 5109286.1/100

- sign 148.447+/-0.019 χ^2/NDF : 2941896.0/51

asym_sam_48_avg_correction_mean vs Slug



Right In: -465.422 ± 480.286 χ^2/NDF : 33.0/24

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1149.444 ± 447.220 χ^2/NDF : 18.2/28

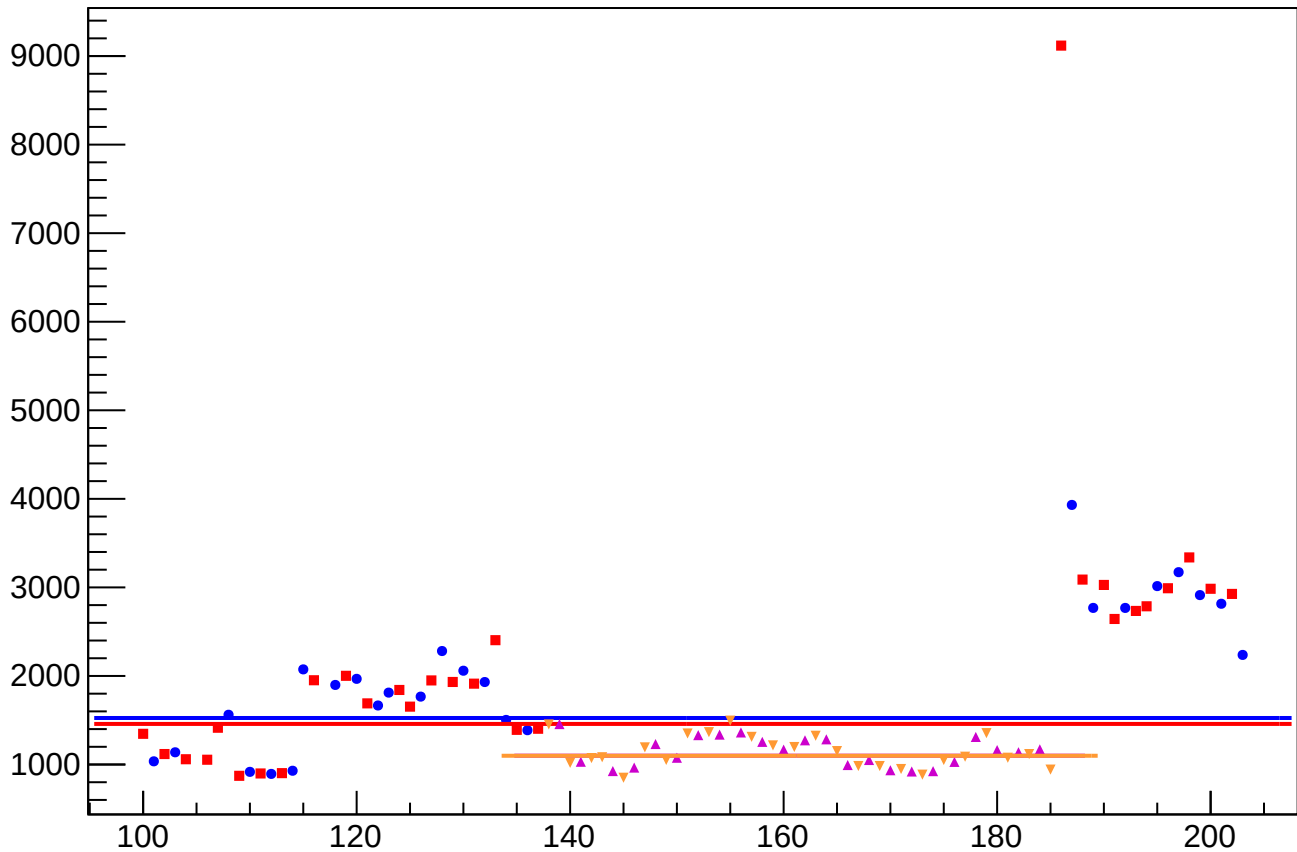
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1095.636 ± 228.170 χ^2/NDF : 91.2/49

All: -798.652 ± 161.553 χ^2/NDF : 139.9/101

- sign -500.096 ± 228.773 χ^2/NDF : 45.3/51

asym_sam_48_avg_correction_rms vs Slug



Right In: 1525.346+/-0.340 χ^2/NDF : 3927881.7/24

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1458.289+/-0.316 χ^2/NDF : 5480386.2/28

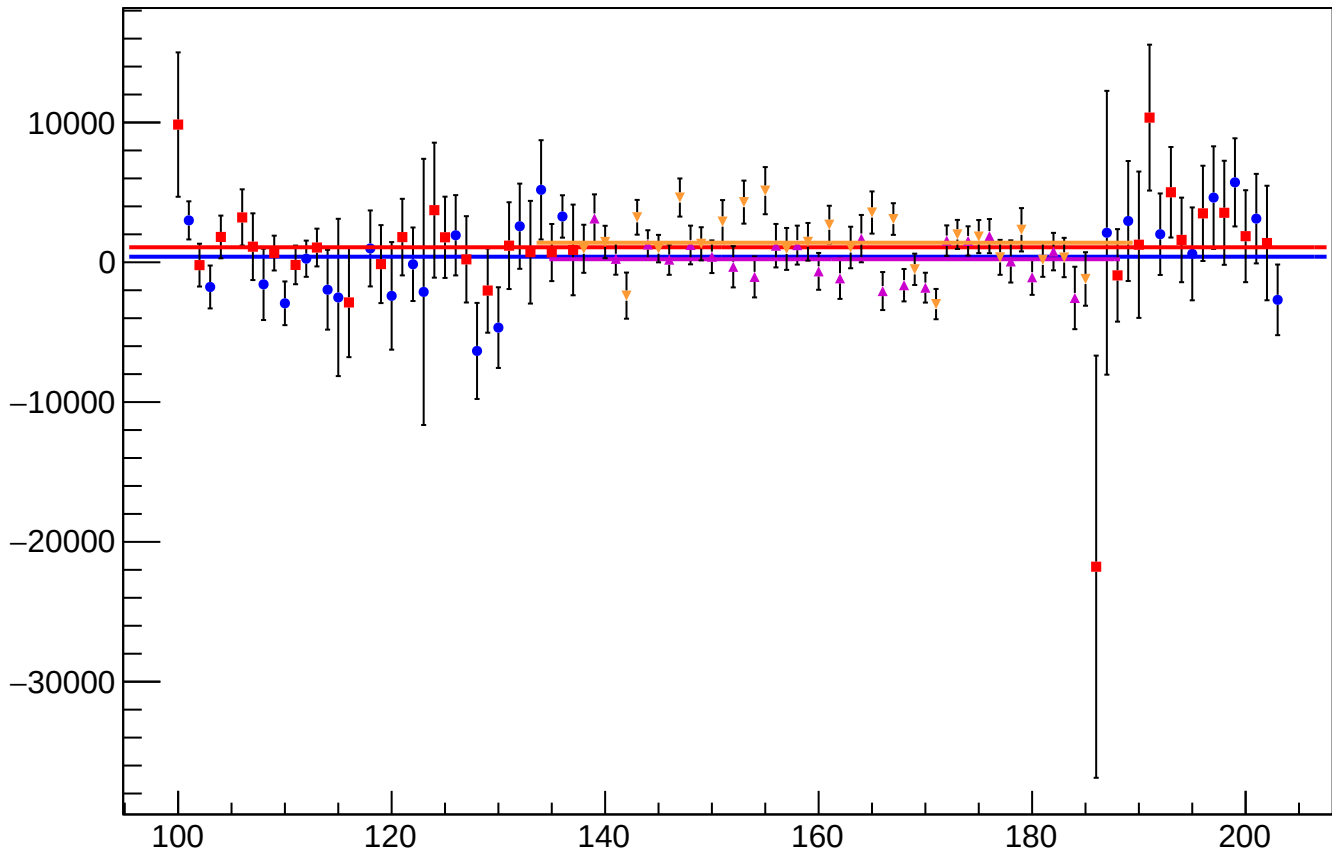
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1195.152+/-0.161 χ^2/NDF : 5973039.4/49

All: 1194.303+/-0.114 χ^2/NDF : 13083340.2/101

- sign 1193.450+/-0.162 χ^2/NDF : 7110245.2/51

asym_sam_48_avg_mean vs Slug



Right In: 398.006 ± 483.131 χ^2/NDF : 32.7/24

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 1074.476 ± 450.347 χ^2/NDF : 17.0/28

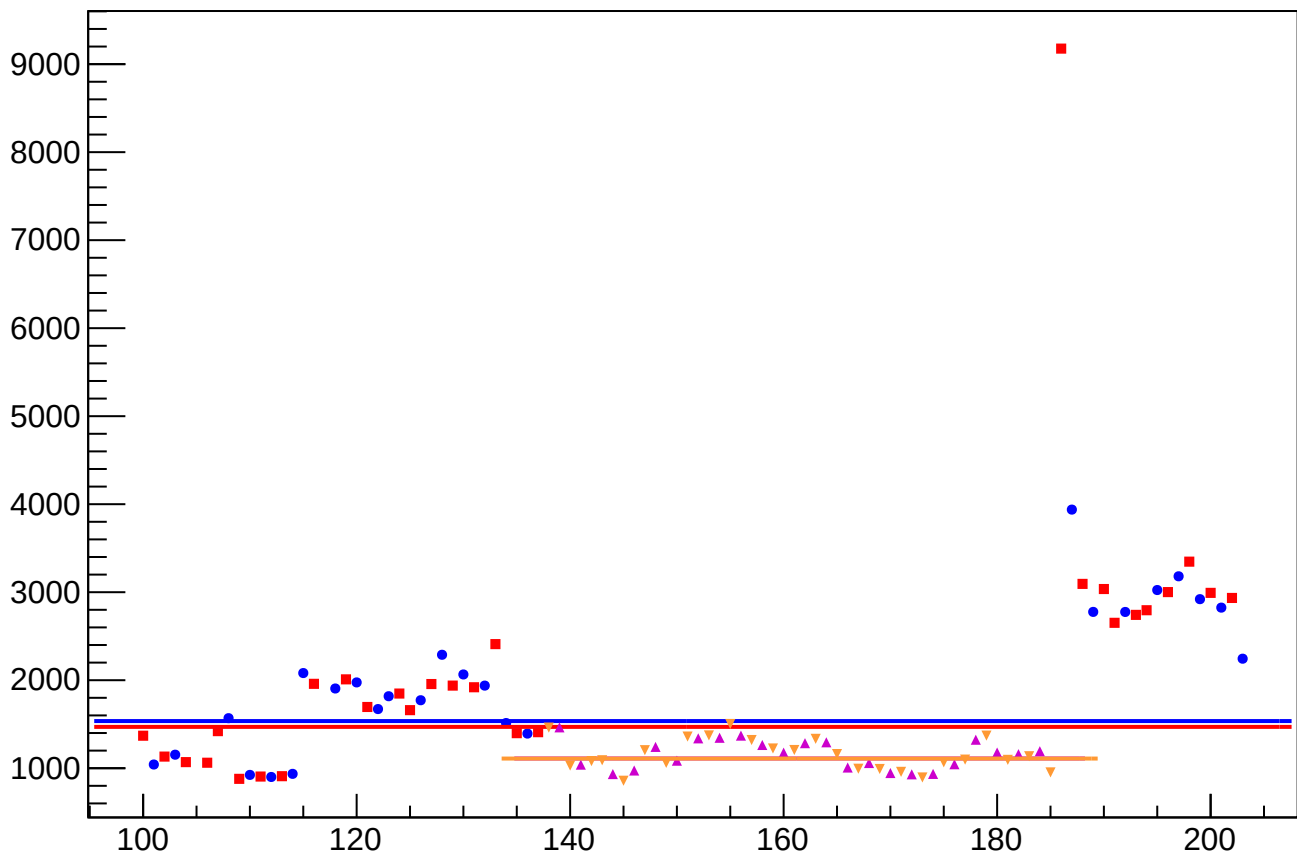
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1172.911 ± 230.181 χ^2/NDF : 88.2/49

All: 809.540 ± 162.997 χ^2/NDF : 137.9/101

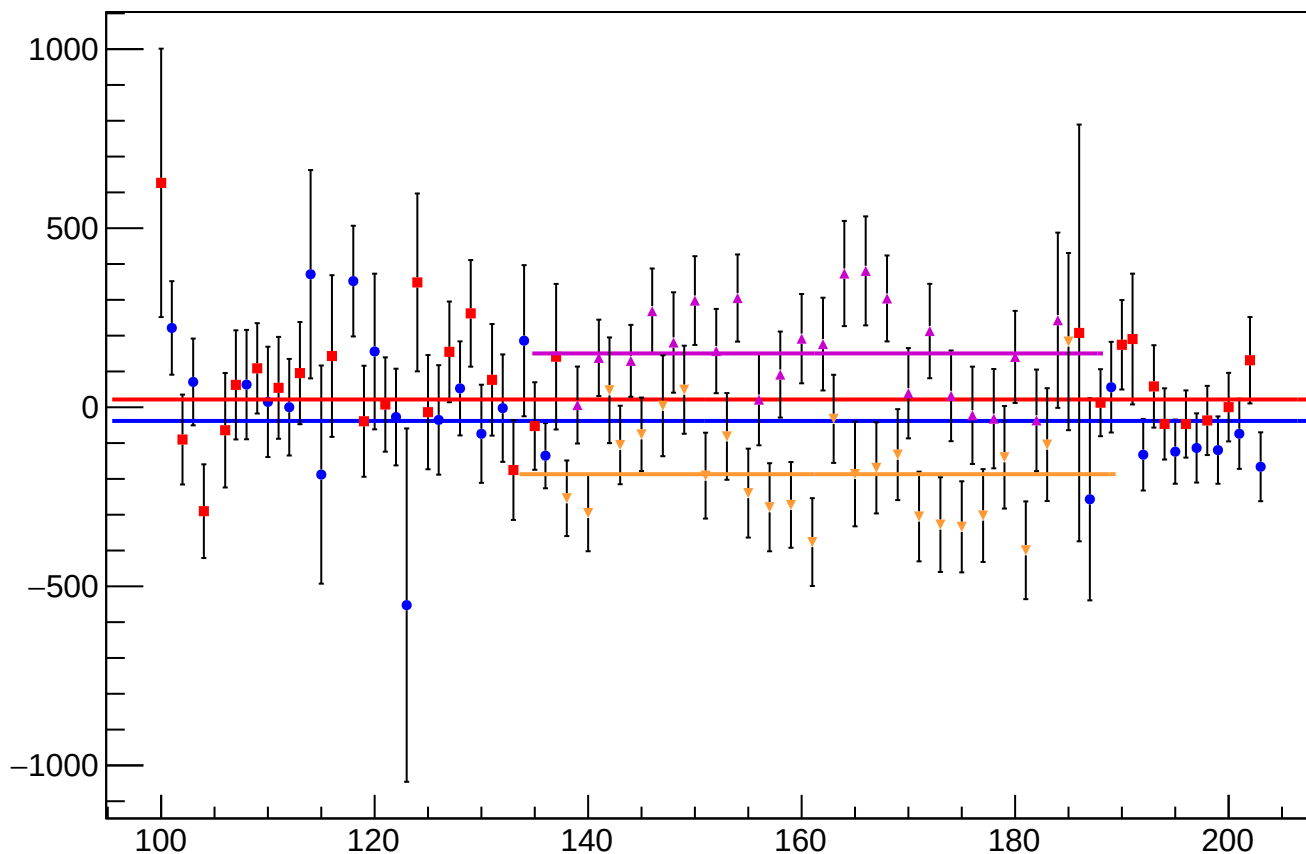
- sign 444.068 ± 230.845 χ^2/NDF : 44.7/51

asym_sam_48_avg_rms vs Slug



Right In: 1535.747 $\pm$ 0.342 χ^2 /NDF: 3893259.3/24 + sign 1206.456 $\pm$ 0.163 χ^2 /NDF: 5907353.0/49
 Left Out: 1109.761 $\pm$ 0.185 χ^2 /NDF: 812174.9/24 All: 1205.687 $\pm$ 0.115 χ^2 /NDF: 12950715.1/101
 Right Out: 1469.710 $\pm$ 0.318 χ^2 /NDF: 5435515.2/28 - sign 1204.914 $\pm$ 0.163 χ^2 /NDF: 7043317.3/51
 Left In: 1110.542 $\pm$ 0.190 χ^2 /NDF: 669928.9/22

reg_asym_sam_15_dd_mean vs Slug



Right In: -38.150 $\pm$ 25.944 χ^2/NDF : 25.0/24

Left Out: -186.838 $\pm$ 25.308 χ^2/NDF :26.6/24

Right Out: 21.760 $\pm$ 24.893 χ^2/NDF : 23.6/28

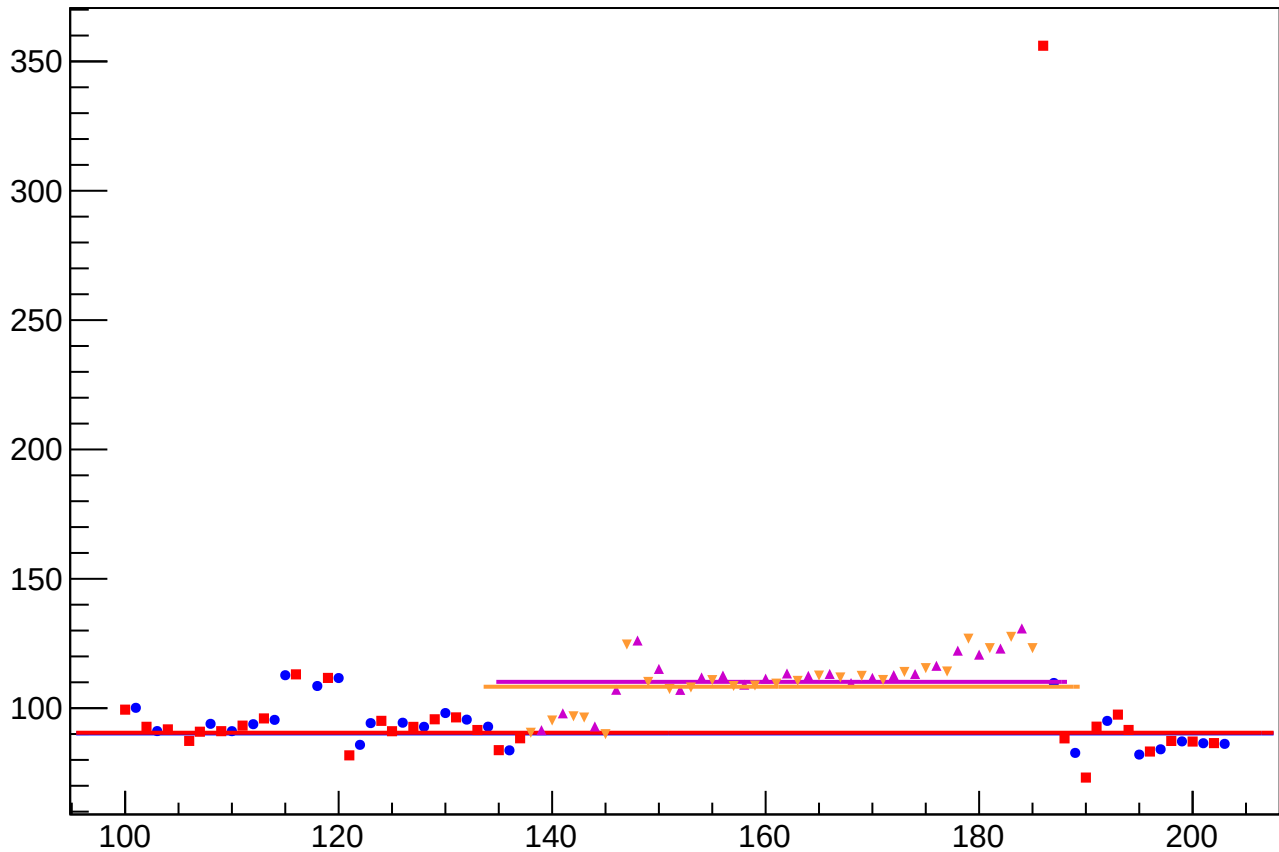
Left In: 150.315 $\pm$ 26.445 χ^2/NDF :20.7/22

+ sign -114.339 $\pm$ 18.116 χ^2/NDF : 68.4/49

All: -16.144 $\pm$ 12.814 χ^2/NDF : 184.1/101

- sign 82.155 $\pm$ 18.126 χ^2/NDF : 56.8/51

reg_asym_sam_15_dd_rms vs Slug



Right In: 90.231+/-0.018 χ^2/NDF : 152361.2/24

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 90.507+/-0.018 χ^2/NDF : 568927.0/28

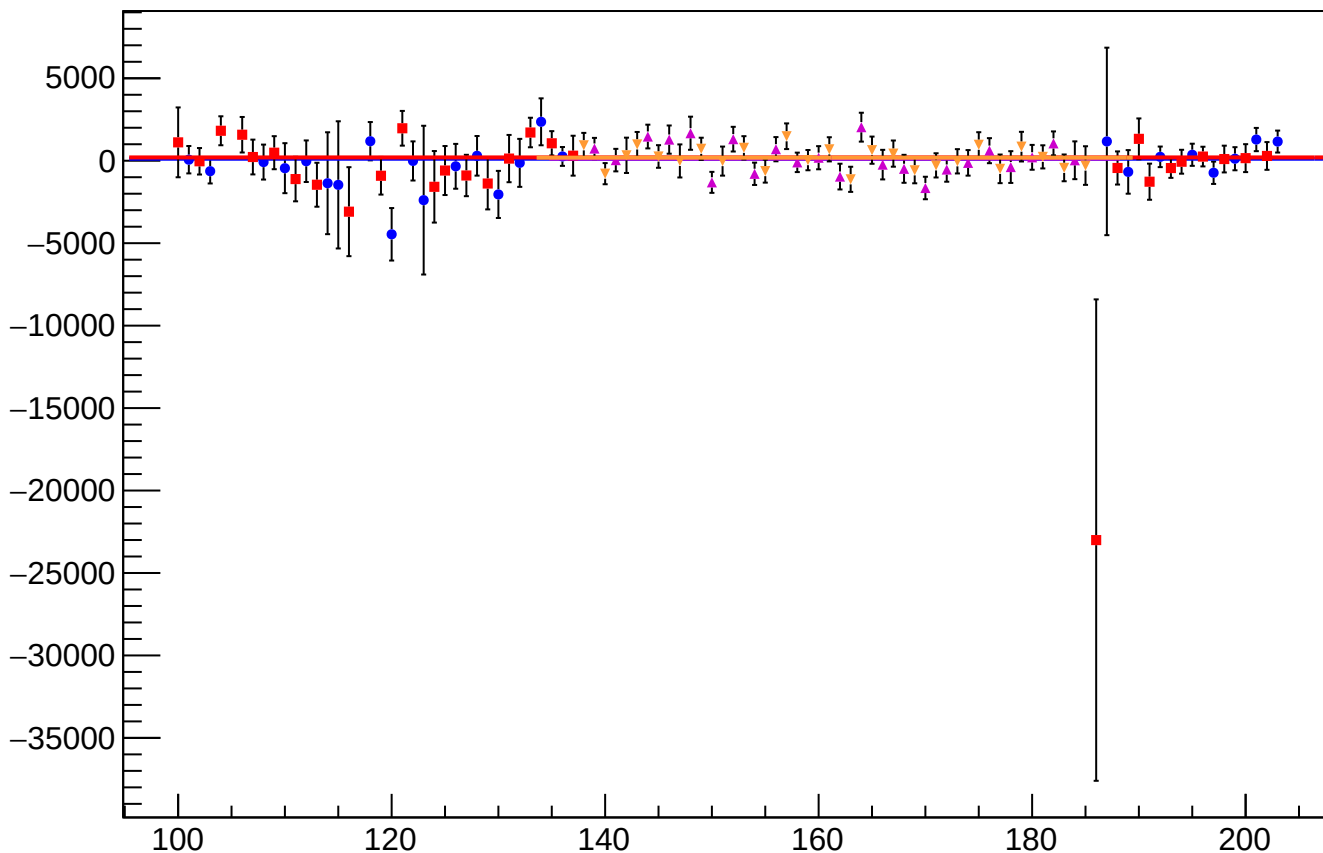
Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

+ sign 99.483+/-0.013 χ^2/NDF : 979437.6/49

All: 99.615+/-0.009 χ^2/NDF : 2381971.6/101

- sign 99.746+/-0.013 χ^2/NDF : 1402323.7/51

asym_sam_15_dd_correction_mean vs Slug



Right In: 120.995 $\pm$ 192.802 χ^2 /NDF: 23.4/24

Left Out: 185.392 $\pm$ 153.683 χ^2 /NDF: 18.4/24

Right Out: 200.801 $\pm$ 185.485 χ^2 /NDF: 27.0/28

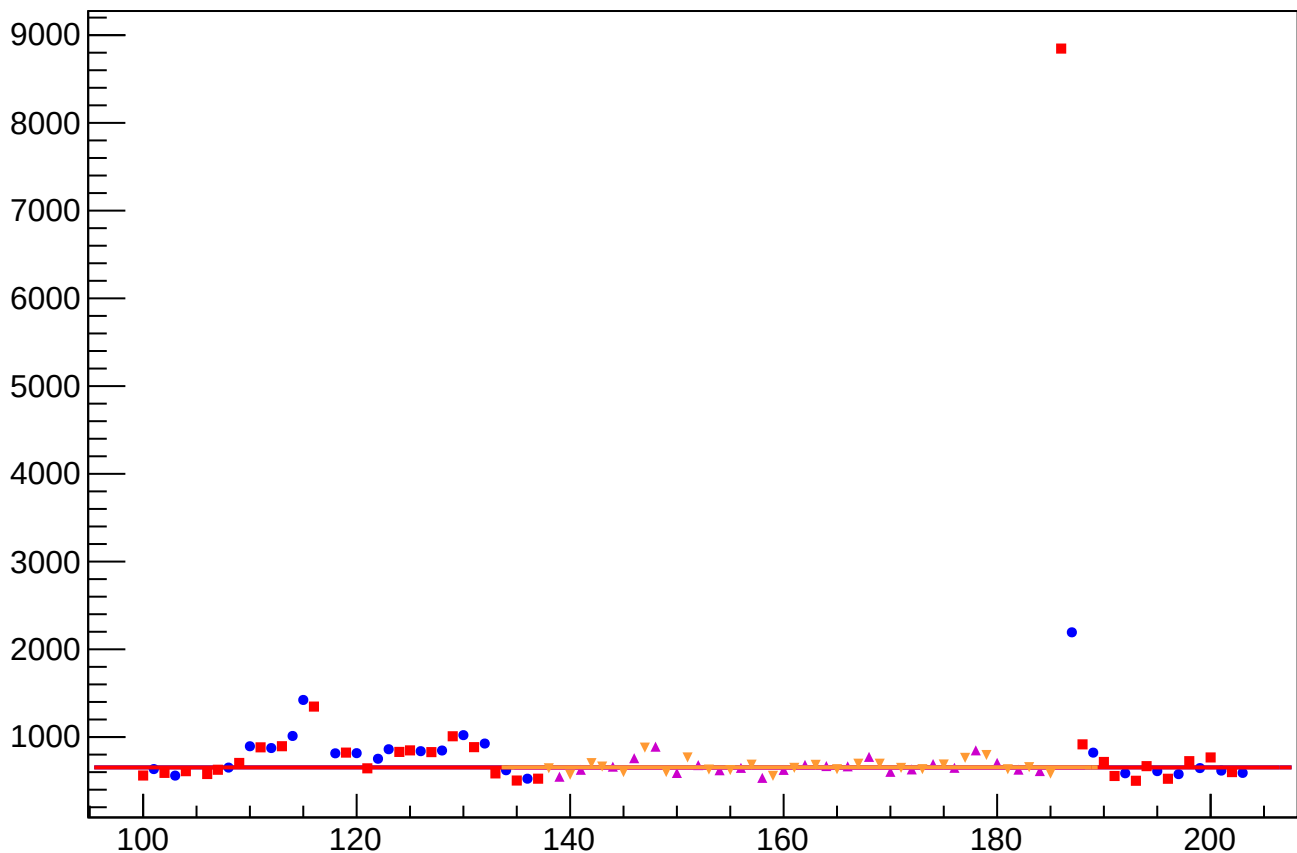
Left In: 128.782 $\pm$ 157.155 χ^2 /NDF: 36.2/22

+ sign 160.373 $\pm$ 120.176 χ^2 /NDF: 41.8/49

All: 159.623 $\pm$ 84.881 χ^2 /NDF: 105.1/101

- sign 158.877 $\pm$ 119.904 χ^2 /NDF: 63.3/51

asym_sam_15_dd_correction_rms vs Slug



Right In: 654.488 $\pm$ 0.136 χ^2 /NDF: 980025.4/24

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 653.684 $\pm$ 0.131 χ^2 /NDF: 1765603.0/28

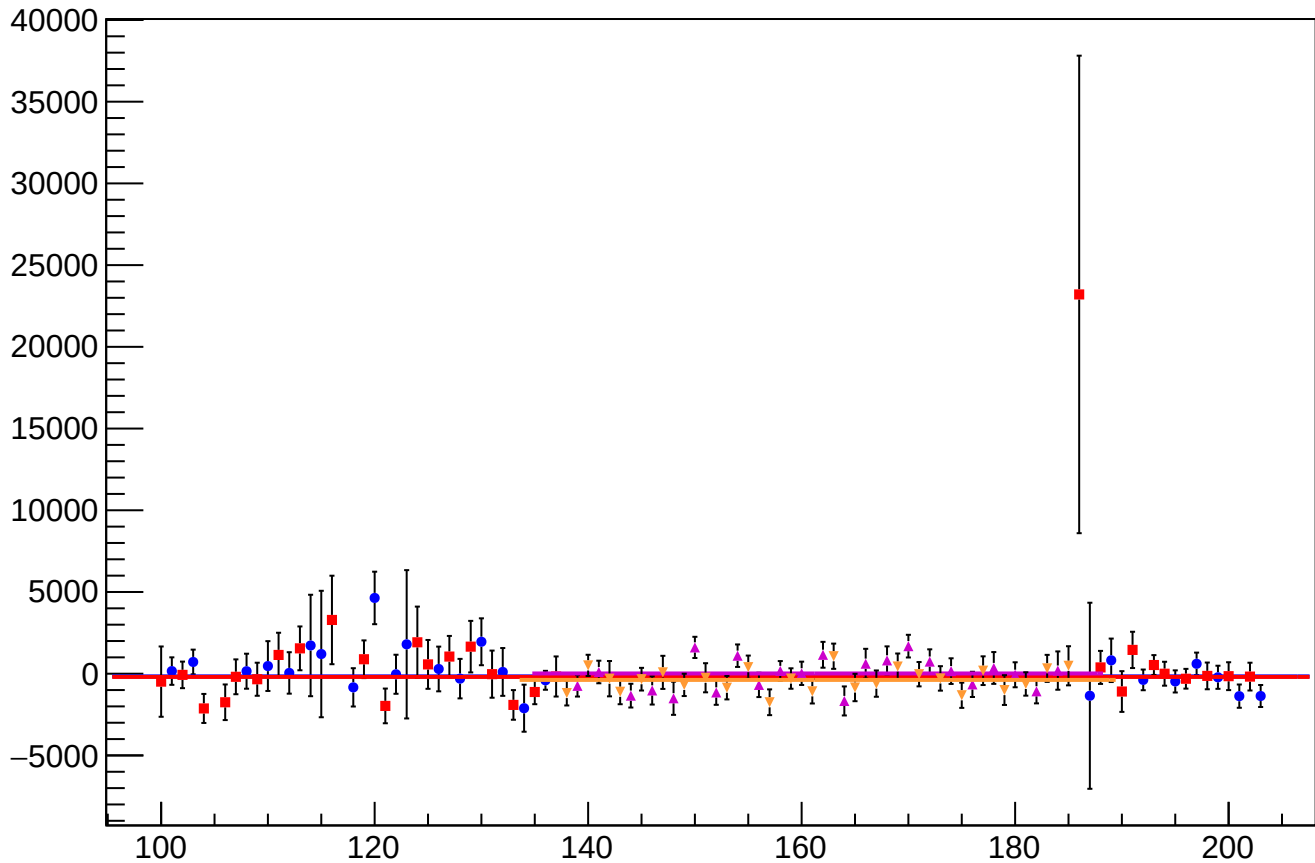
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 654.896 $\pm$ 0.085 χ^2 /NDF: 1347389.8/49

All: 653.471 $\pm$ 0.060 χ^2 /NDF: 3579935.7/100

- sign 652.054 $\pm$ 0.085 χ^2 /NDF: 2231985.2/51

asym_sam_15_dd_mean vs Slug



Right In: -164.355 ± 194.804 χ^2/NDF : 24.3/24

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -196.621 ± 187.524 χ^2/NDF : 30.7/28

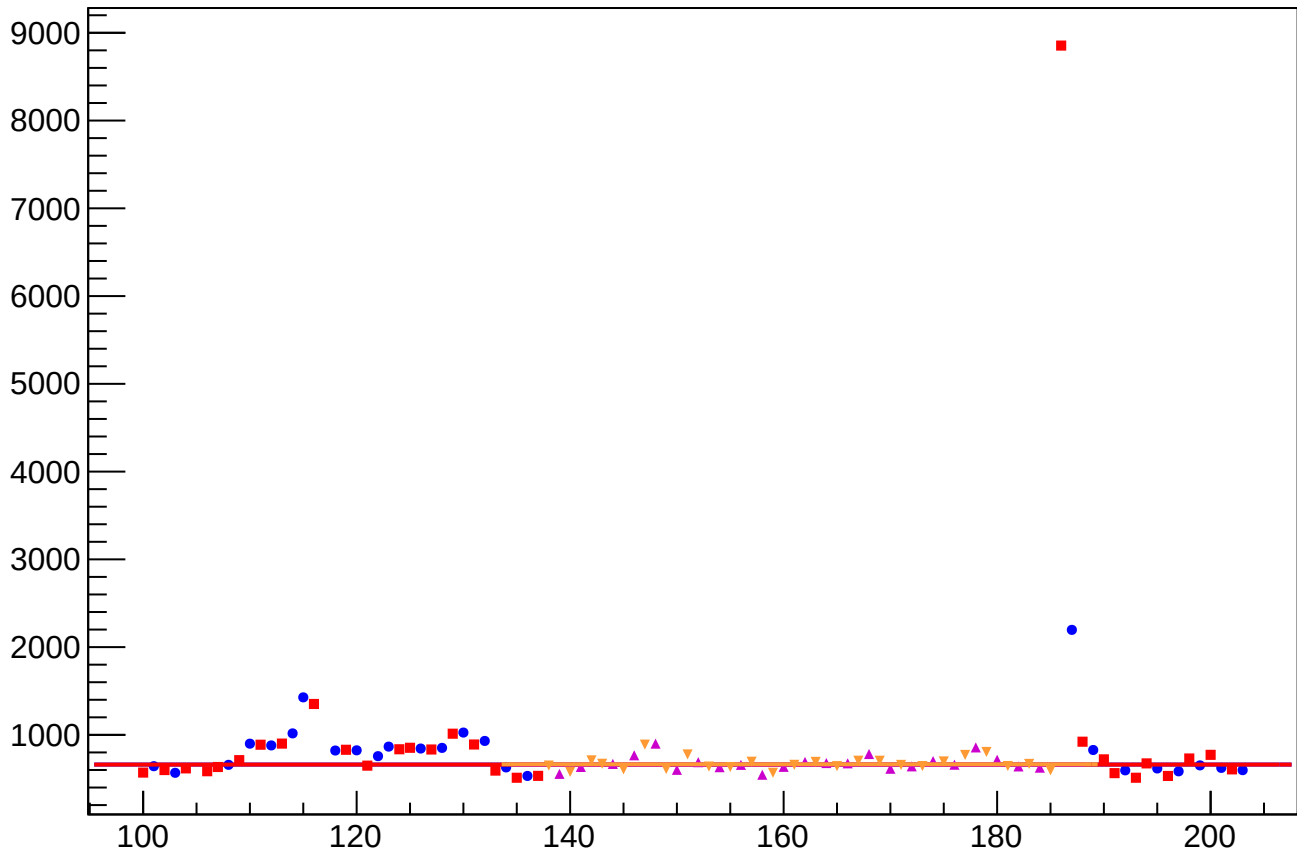
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -295.491 ± 121.716 χ^2/NDF : 43.9/49

All: -184.537 ± 85.991 χ^2/NDF : 114.2/101

- sign -73.975 ± 121.502 χ^2/NDF : 68.6/51

asym_sam_15_dd_rms vs Slug



Right In: 661.731 $\pm$ 0.138 χ^2 /NDF: 958676.3/24

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 661.513 $\pm$ 0.133 χ^2 /NDF: 1729217.2/28

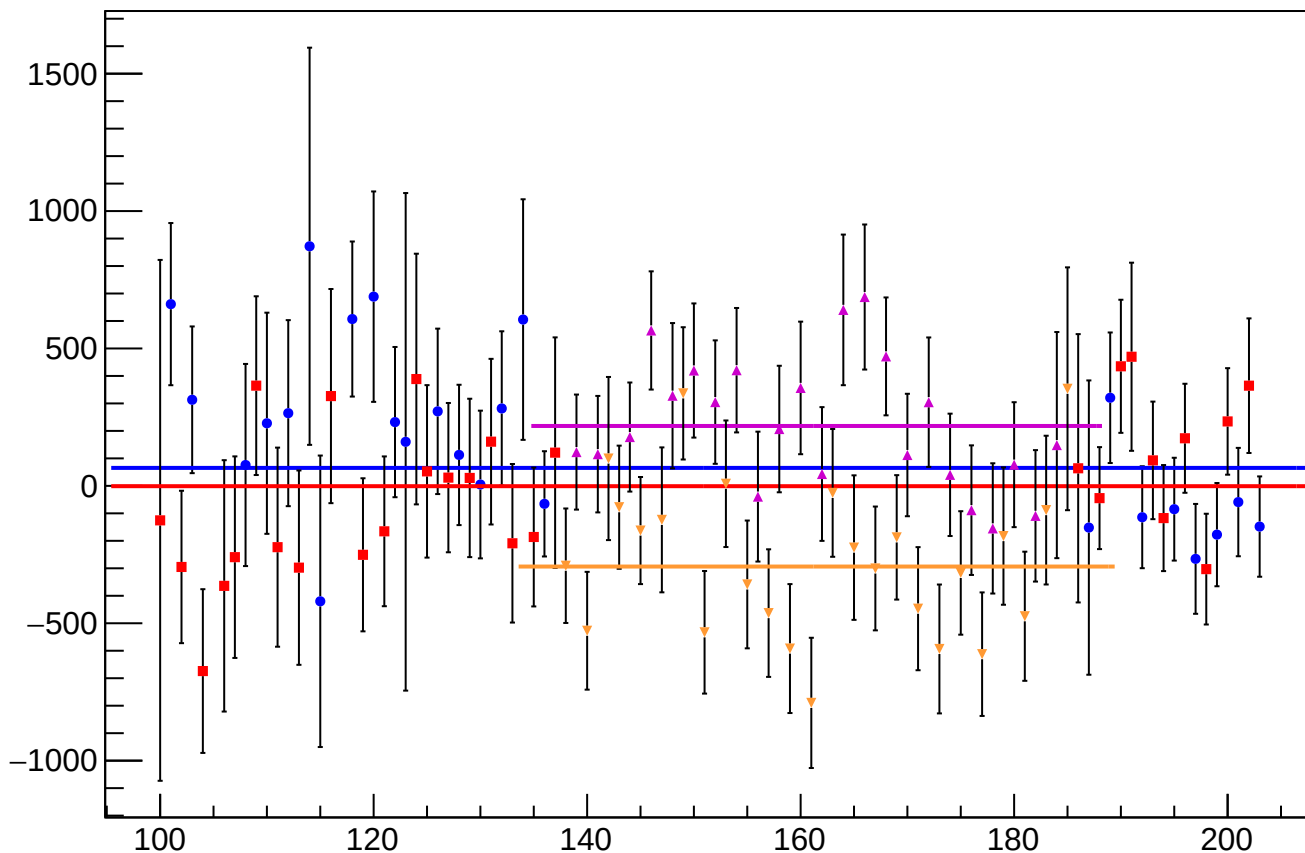
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 663.585 $\pm$ 0.086 χ^2 /NDF: 1316027.4/49

All: 662.366 $\pm$ 0.061 χ^2 /NDF: 3494837.7/101

- sign 661.152 $\pm$ 0.086 χ^2 /NDF: 2178410.0/51

reg_asym_sam_26_dd_mean vs Slug



Right In: 65.384 ± 52.663 χ^2/NDF : 26.5/24

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -1.180 ± 51.205 χ^2/NDF : 26.3/28

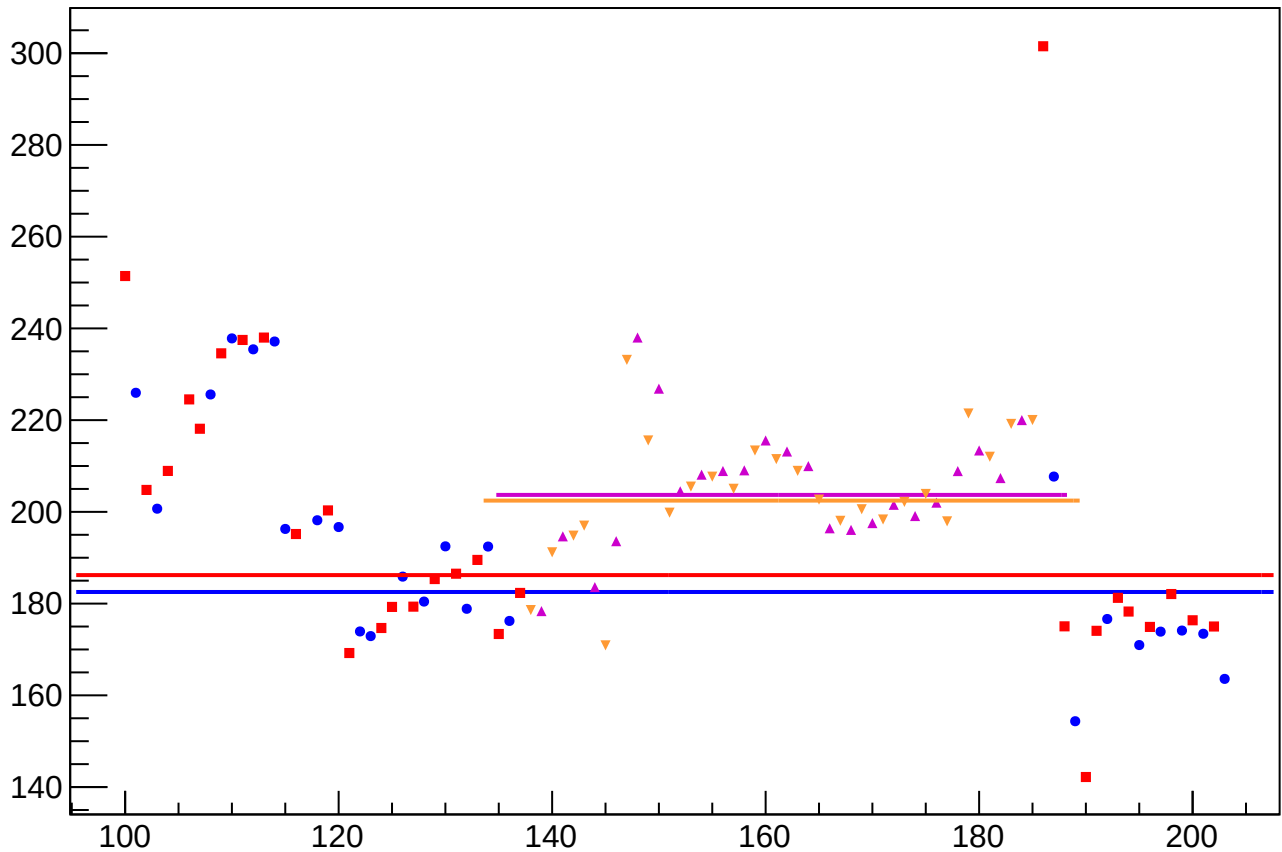
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -133.671 ± 35.150 χ^2/NDF : 82.6/49

All: -10.672 ± 24.919 χ^2/NDF : 164.4/101

- sign 113.618 ± 35.334 χ^2/NDF : 57.2/51

reg_asym_sam_26_dd_rms vs Slug



Right In: 182.533+/-0.037 χ^2/NDF : 272887.0/24

Left Out: 202.459+/-0.033 χ^2/NDF :158582.3/24

Right Out: 186.214+/-0.036 χ^2/NDF : 418026.2/28

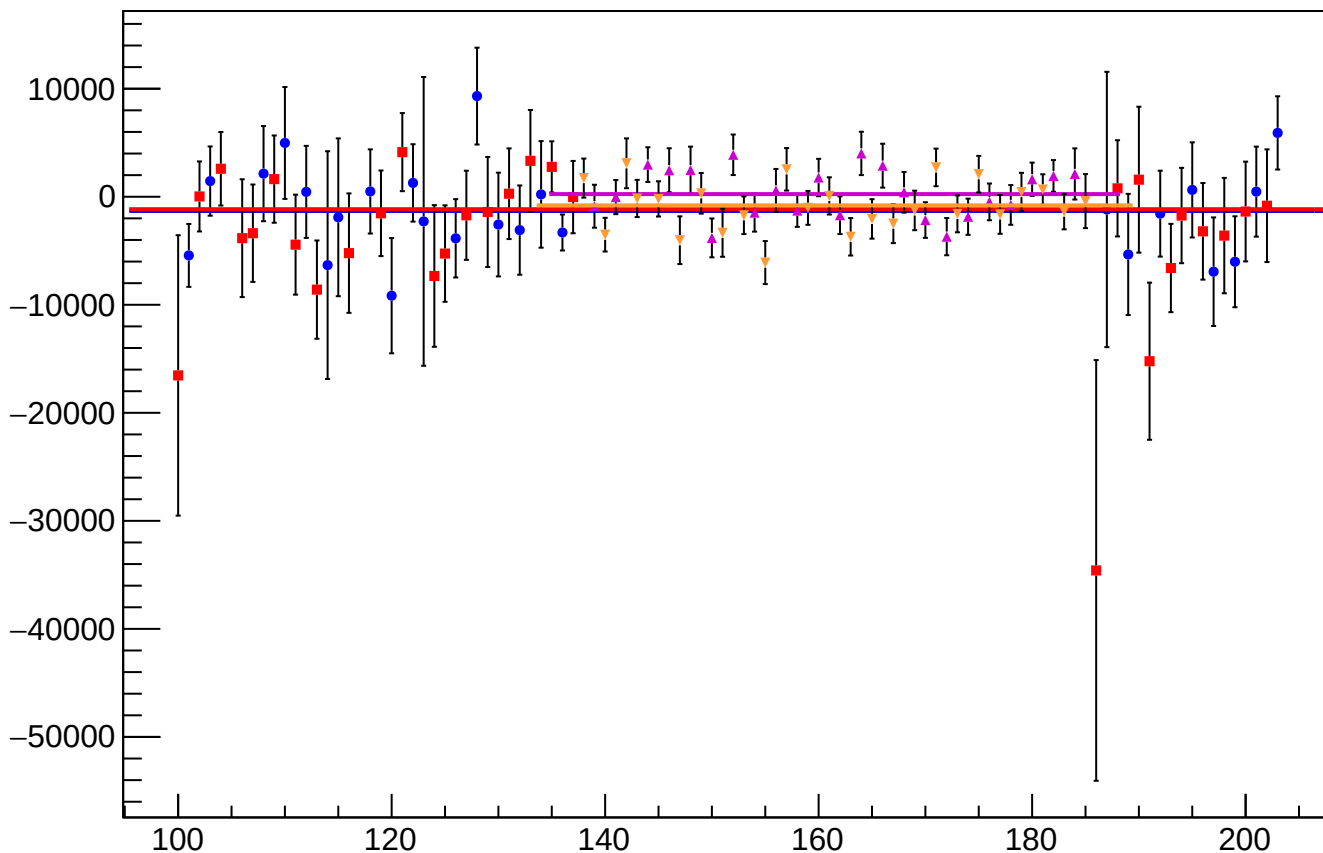
Left In: 203.699+/-0.035 χ^2/NDF :136193.4/22

+ sign 193.582+/-0.025 χ^2/NDF : 590241.7/49

All: 194.473+/-0.018 χ^2/NDF : 1269199.7/100

- sign 195.373+/-0.025 χ^2/NDF : 676373.3/51

asym_sam_26_dd_correction_mean vs Slug



Right In: -1313.847 ± 791.985 χ^2/NDF : 24.0/24

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1152.062 ± 812.729 χ^2/NDF : 24.5/28

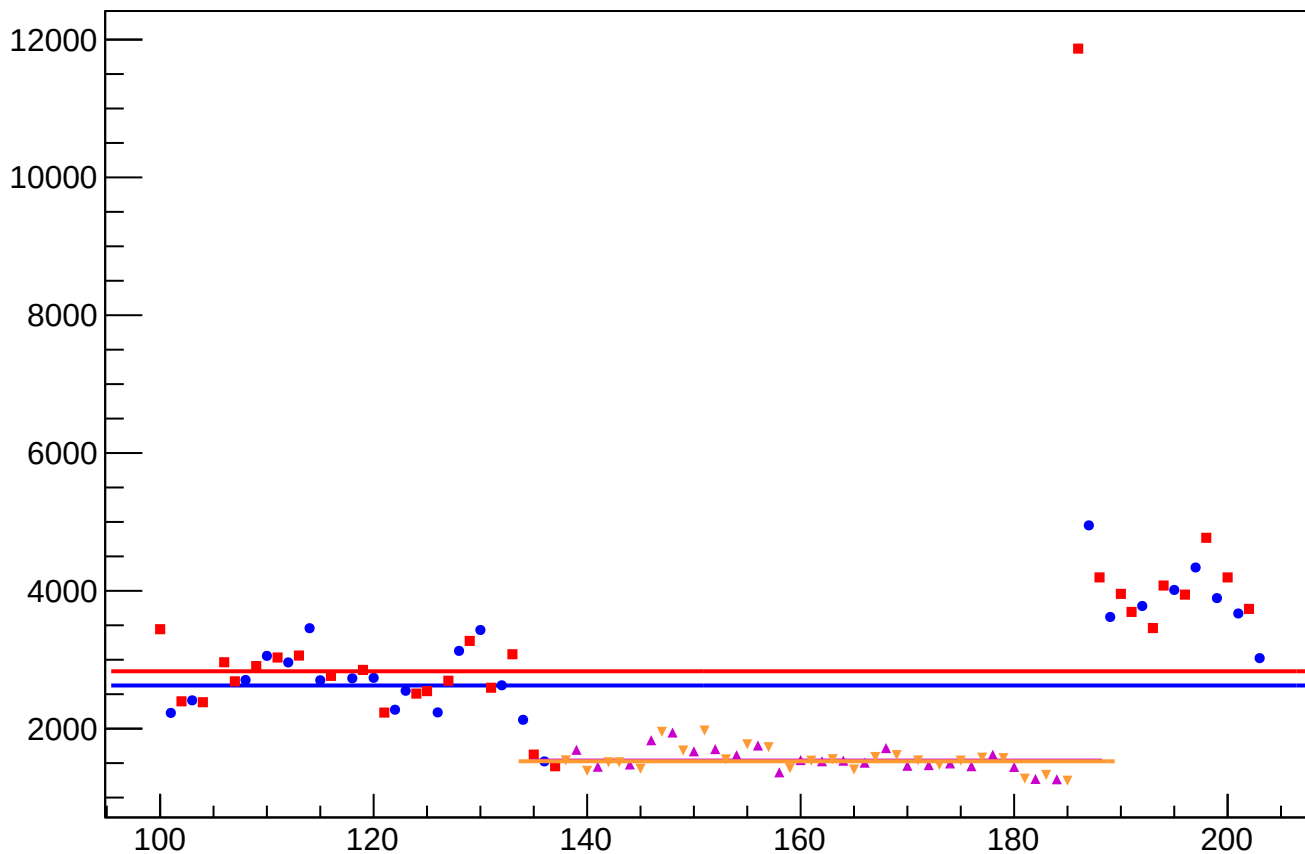
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -884.237 ± 326.107 χ^2/NDF : 60.1/49

All: -453.537 ± 234.224 χ^2/NDF : 126.3/101

- sign 5.407 ± 336.629 χ^2/NDF : 62.6/51

asym_sam_26_dd_correction_rms vs Slug



Right In: 2626.545+/-0.560 χ^2/NDF : 2170502.2/24

Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24

Right Out: 2832.848+/-0.575 χ^2/NDF : 2575382.6/28

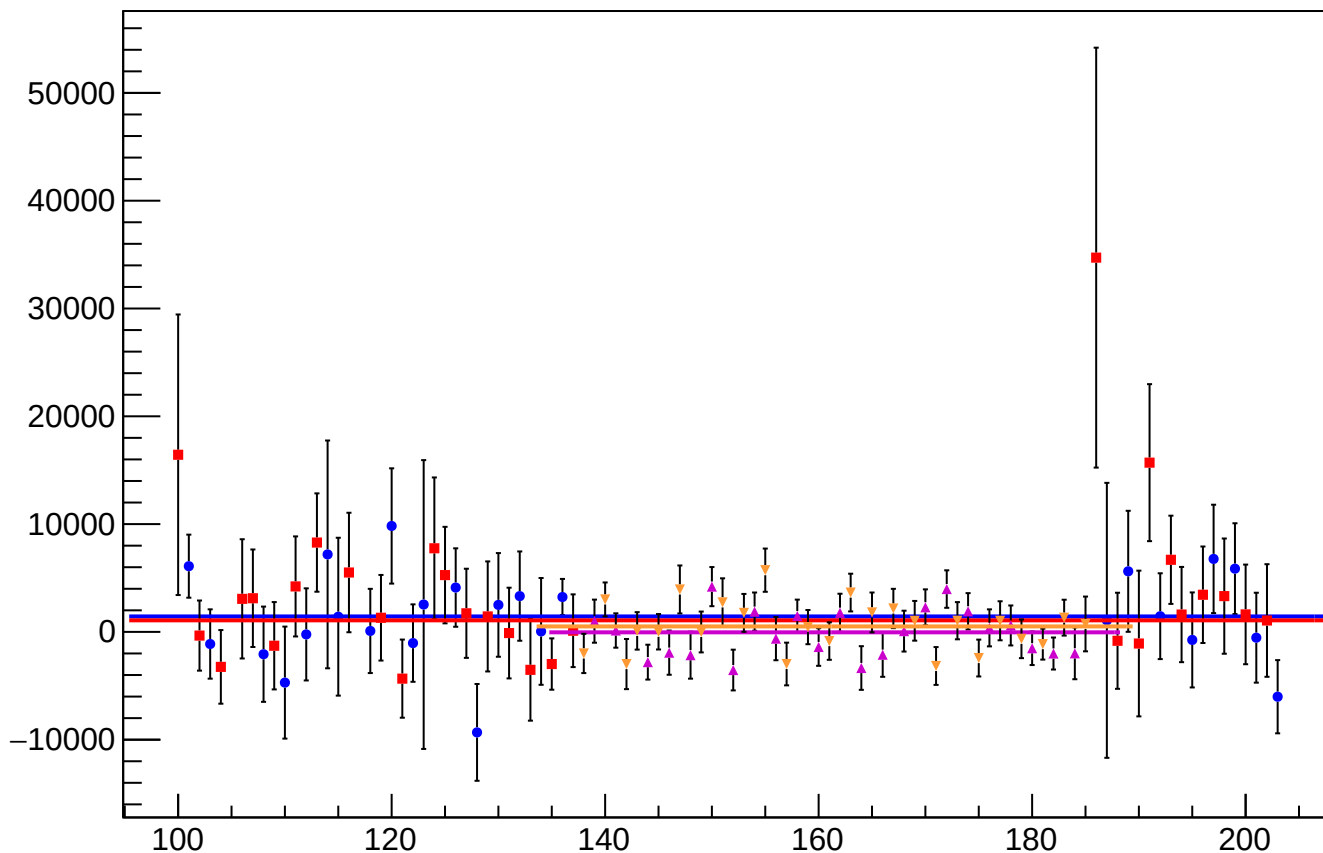
Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

+ sign 1713.183+/-0.231 χ^2/NDF : 5768455.7/49

All: 1735.331+/-0.166 χ^2/NDF : 12928467.6/100

- sign 1758.931+/-0.238 χ^2/NDF : 7140956.9/51

asym_sam_26_dd_mean vs Slug



Right In: 1434.327 ± 794.838 χ^2/NDF : 24.5/24

Left Out: 507.982 ± 361.172 χ^2/NDF : 35.4/24

Right Out: 1072.471 ± 815.430 χ^2/NDF : 25.3/28

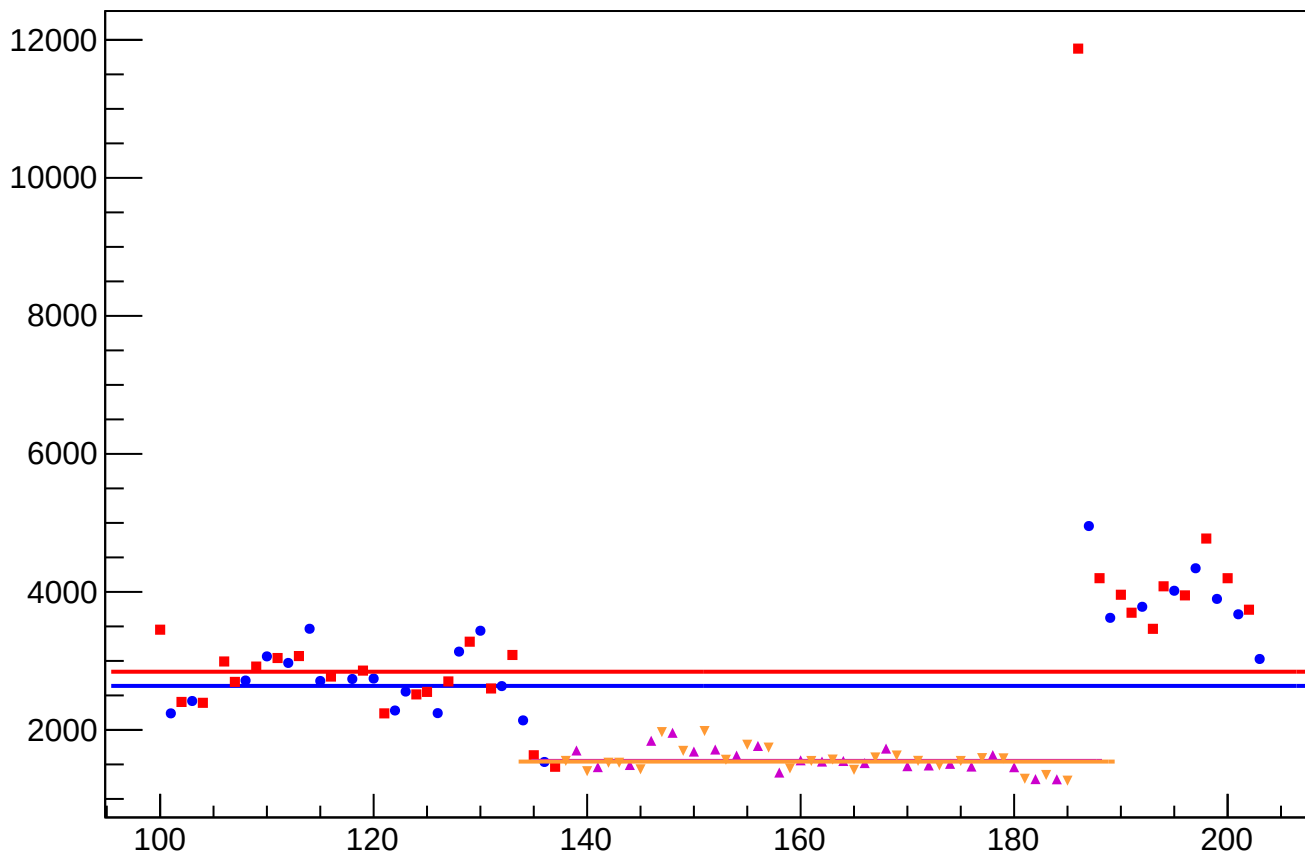
Left In: -40.080 ± 373.261 χ^2/NDF : 33.6/22

+ sign 666.517 ± 328.818 χ^2/NDF : 61.0/49

All: 417.716 ± 236.160 χ^2/NDF : 122.7/101

- sign 152.653 ± 339.394 χ^2/NDF : 60.4/51

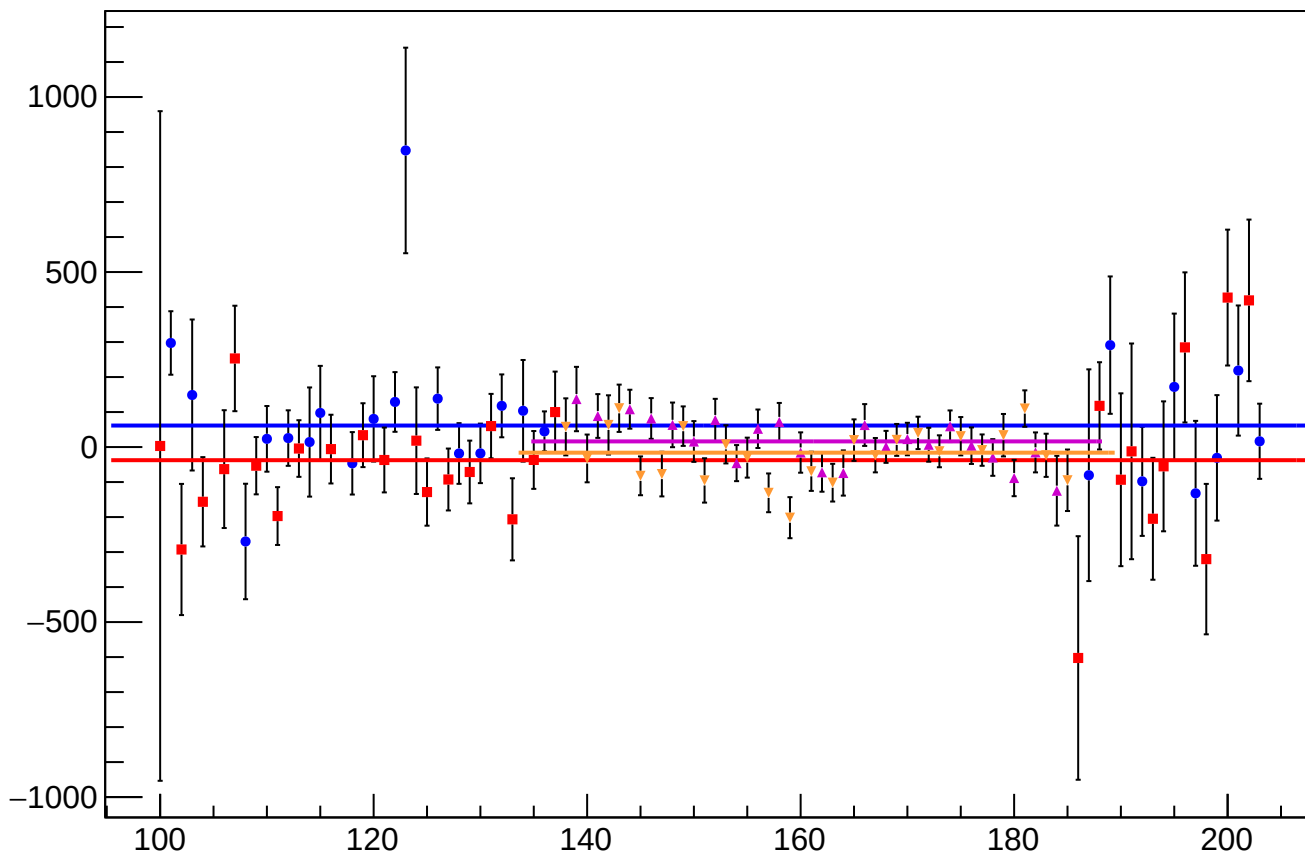
asym_sam_26_dd_rms vs Slug



Right In: 2637.814 ± 0.562 $\chi^2/\text{NDF}: 2141865.4/24$
 Left Out: 1541.258 ± 0.255 $\chi^2/\text{NDF}: 382045.4/24$
 Right Out: 2843.414 ± 0.577 $\chi^2/\text{NDF}: 2550944.0/28$
 Left In: 1551.063 ± 0.264 $\chi^2/\text{NDF}: 338898.9/22$

+ sign 1728.923 ± 0.233 $\chi^2/\text{NDF}: 5679020.2/49$
 All: 1751.205 ± 0.167 $\chi^2/\text{NDF}: 12741189.8/51$
 - sign 1774.943 ± 0.240 $\chi^2/\text{NDF}: 7043202.0/51$

reg_asym_sam_37_dd_mean vs Slug



Right In: 61.470 ± 22.155 χ^2/NDF : 28.7/24

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -37.523 ± 22.217 χ^2/NDF : 36.1/28

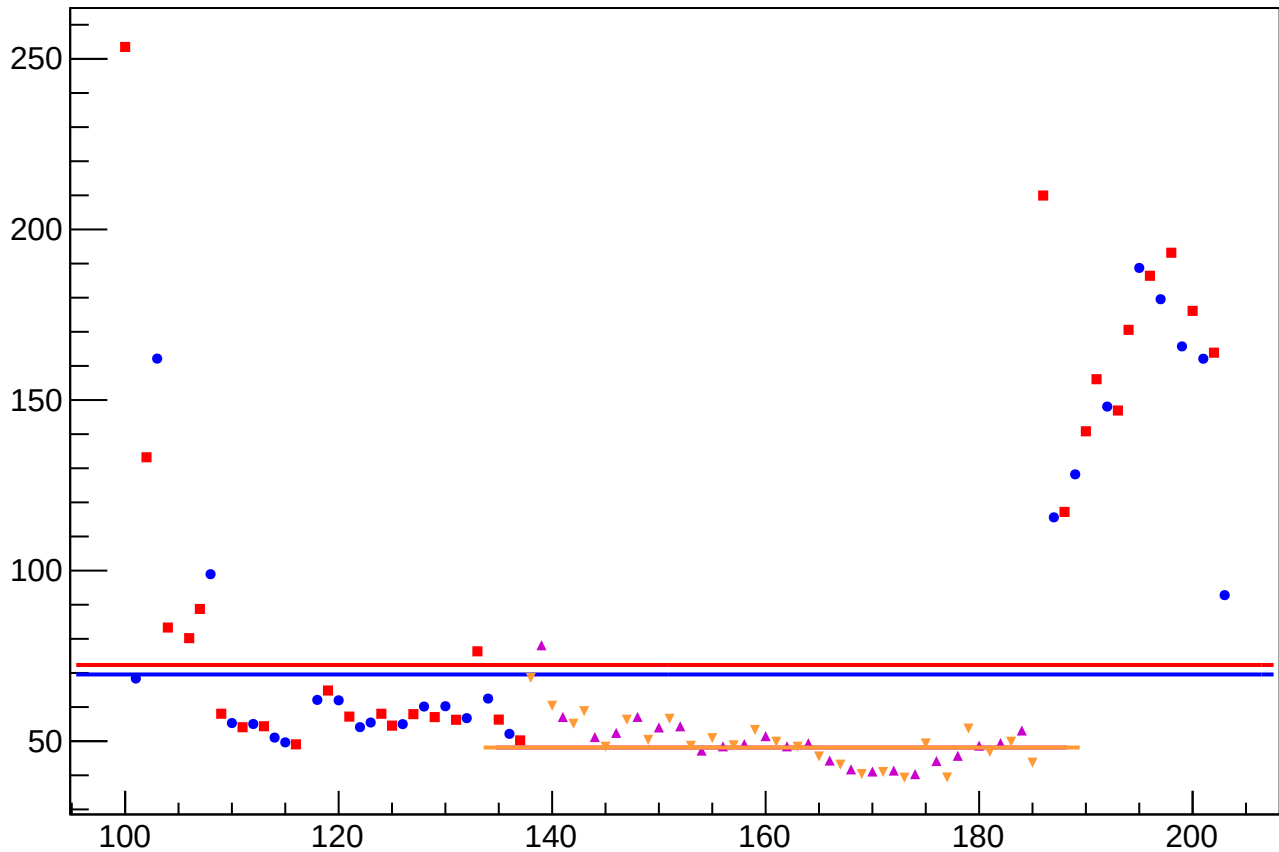
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign 0.044 ± 10.094 χ^2/NDF : 78.1/49

All: 2.265 ± 7.215 χ^2/NDF : 144.1/101

- sign 4.585 ± 10.317 χ^2/NDF : 65.9/51

reg_asym_sam_37_dd_rms vs Slug



Right In: 69.557 $\pm$ 0.016 χ^2 /NDF: 4151917.2/24

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 72.336 $\pm$ 0.016 χ^2 /NDF: 5057594.9/28

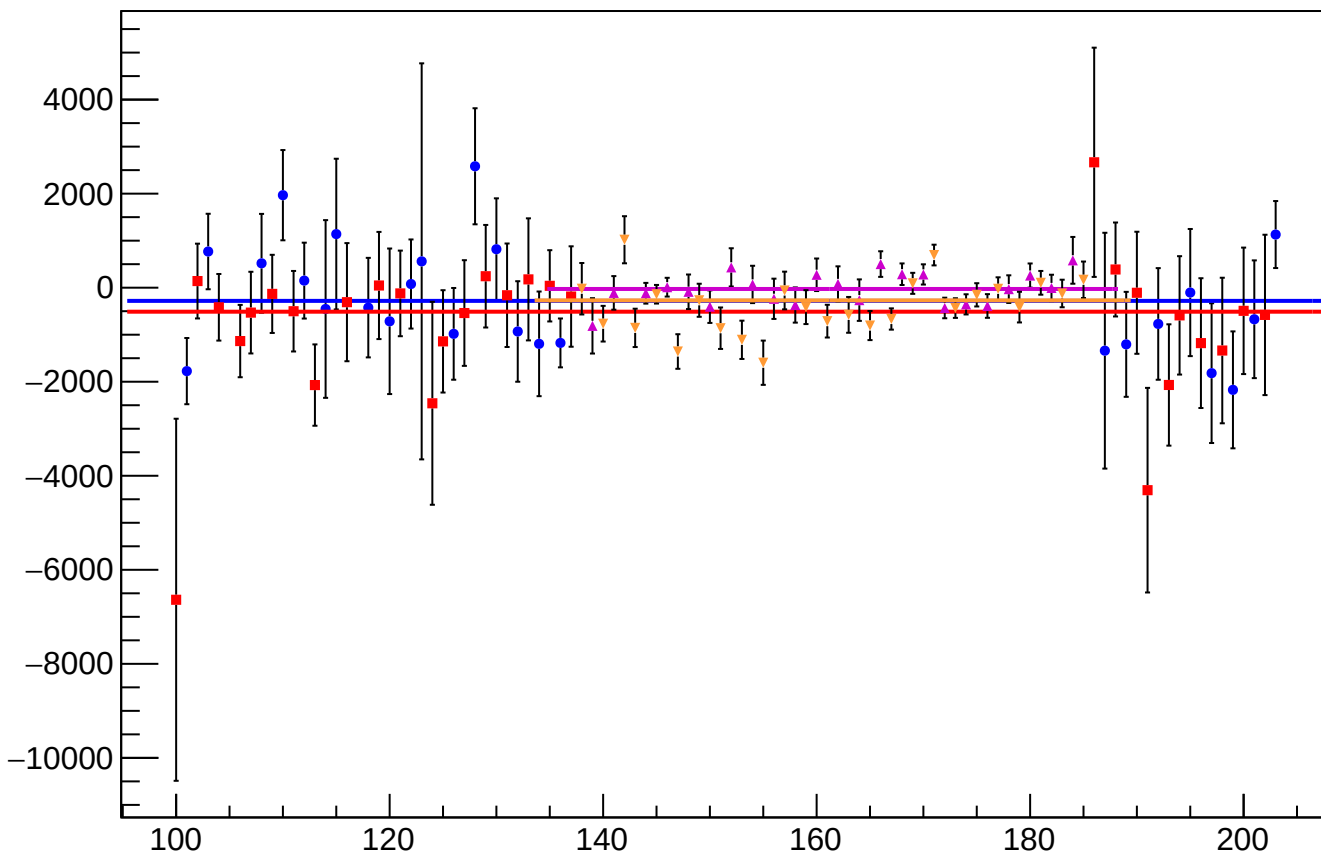
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 52.587 $\pm$ 0.007 χ^2 /NDF: 6288090.3/49

All: 52.964 $\pm$ 0.005 χ^2 /NDF: 13787144.0/101

- sign 53.357 $\pm$ 0.007 χ^2 /NDF: 7493356.0/51

asym_sam_37_dd_correction_mean vs Slug



Right In: -280.631 ± 203.632 χ^2/NDF : 33.0/24

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -510.578 ± 199.241 χ^2/NDF : 18.1/28

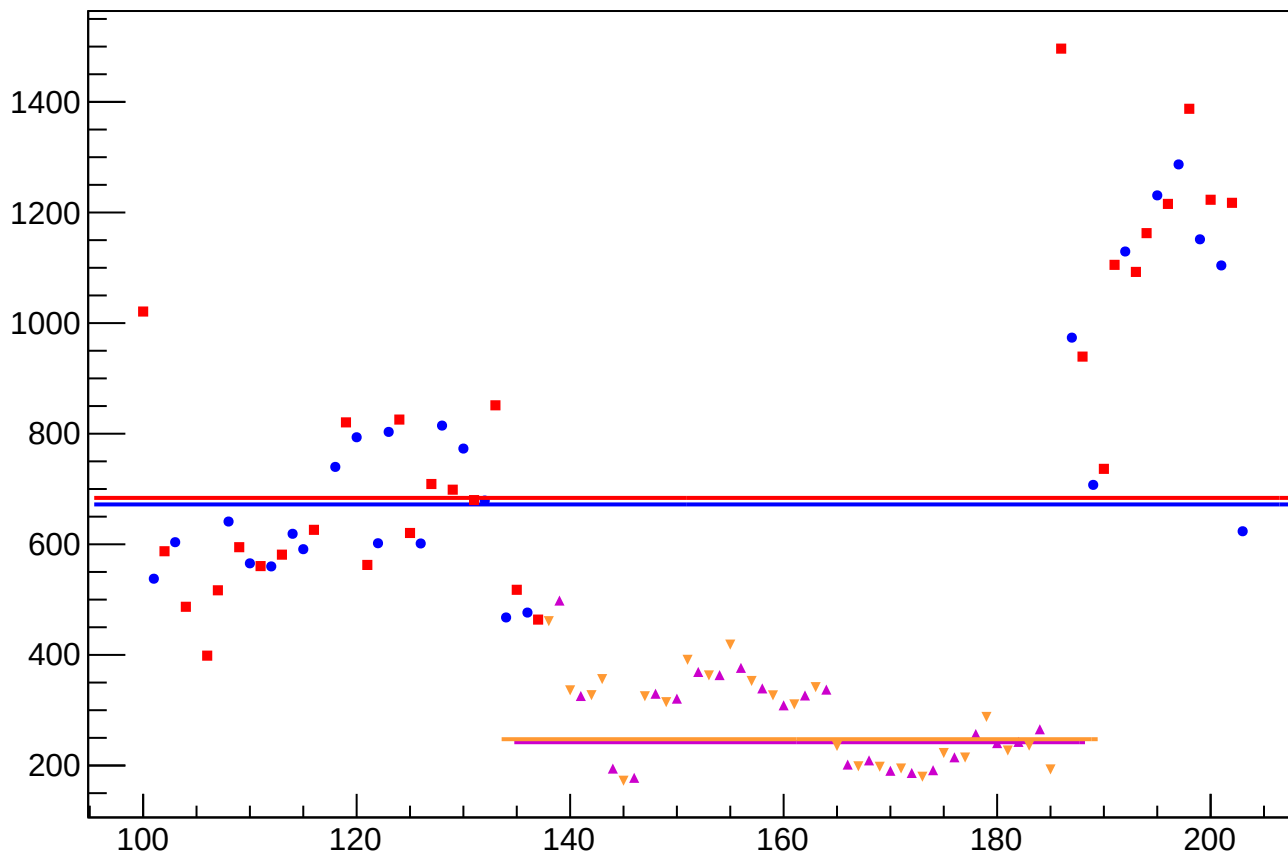
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -271.050 ± 57.710 χ^2/NDF : 103.1/49

All: -169.727 ± 40.849 χ^2/NDF : 157.8/101

- sign -67.986 ± 57.829 χ^2/NDF : 48.5/51

asym_sam_37_dd_correction_rms vs Slug



Right In: 672.106 $\pm$ 0.144 χ^2 /NDF: 2154303.0/24

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 683.915 $\pm$ 0.141 χ^2 /NDF: 3088860.3/28

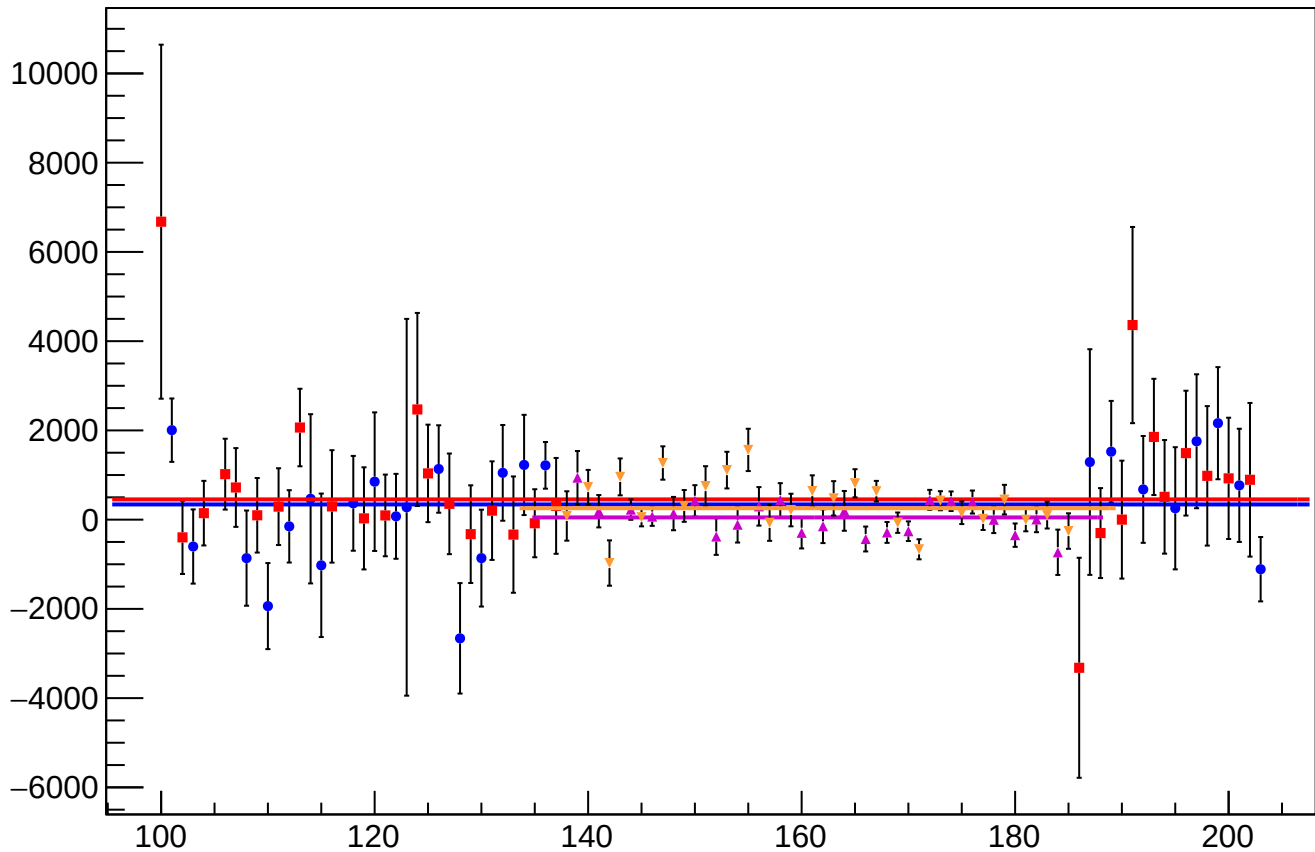
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 281.668 $\pm$ 0.041 χ^2 /NDF: 12929922.2/49

All: 280.504 $\pm$ 0.029 χ^2 /NDF: 27491860.0/10

- sign 279.335 $\pm$ 0.041 χ^2 /NDF: 14560306.7/51

asym_sam_37_dd_mean vs Slug



Right In: 340.800 $\pm$ 205.552 χ^2 /NDF: 35.0/24

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF:63.6/24

Right Out: 453.915 $\pm$ 201.515 χ^2 /NDF: 19.1/28

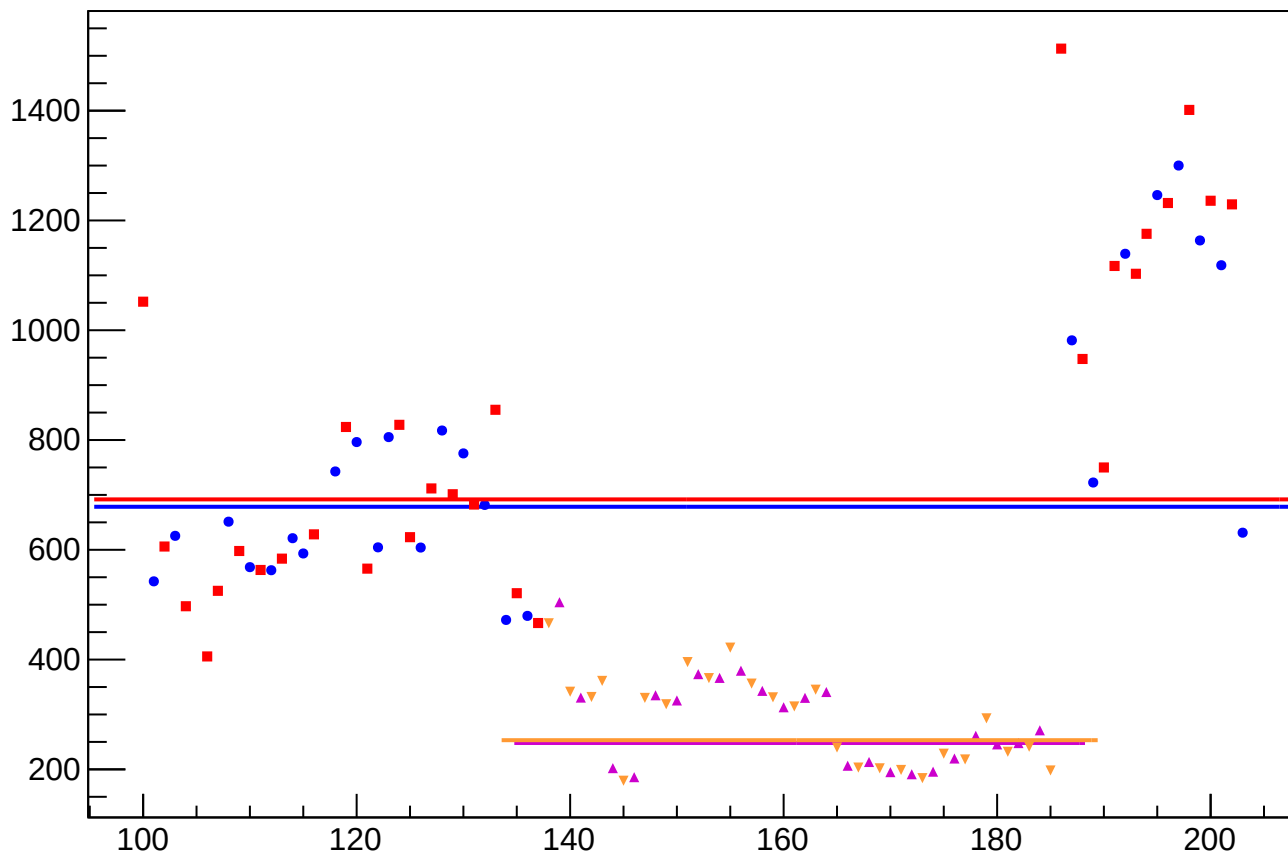
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF:27.5/22

+ sign 262.946 $\pm$ 58.848 χ^2 /NDF: 98.7/49

All: 174.080 $\pm$ 41.689 χ^2 /NDF: 153.6/101

- sign 84.550 $\pm$ 59.068 χ^2 /NDF: 50.3/51

asym_sam_37_dd_rms vs Slug



Right In: 678.392 $\pm$ 0.145 χ^2 /NDF: 2161226.3/24

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 691.836 $\pm$ 0.142 χ^2 /NDF: 3064213.3/28

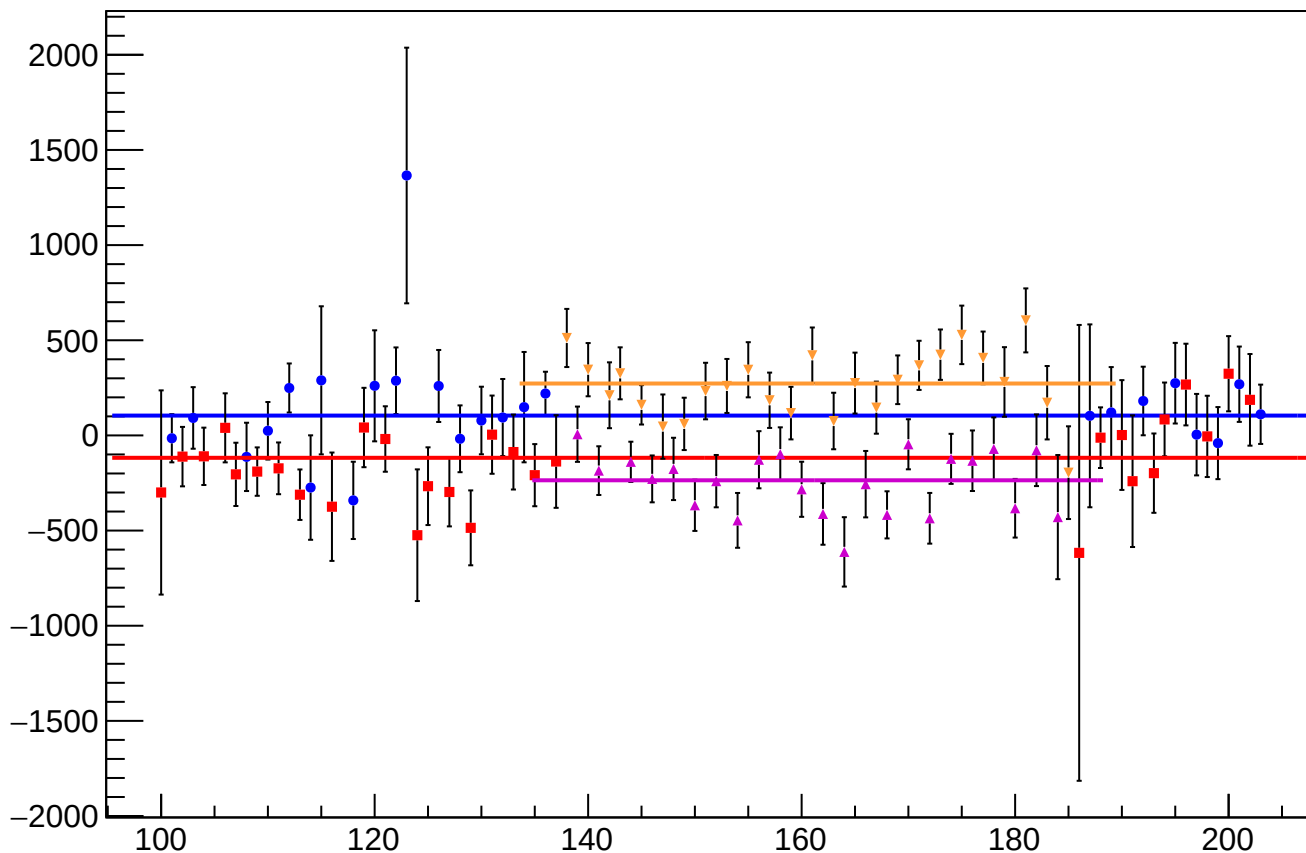
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 287.992 $\pm$ 0.042 χ^2 /NDF: 12685832.3/49

All: 287.097 $\pm$ 0.029 χ^2 /NDF: 26959919.1/10

- sign 286.196 $\pm$ 0.042 χ^2 /NDF: 14273159.0/51

reg_asym_sam_48_dd_mean vs Slug



Right In: 104.186 ± 37.205 χ^2/NDF : 20.3/24

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -117.659 ± 35.662 χ^2/NDF : 24.8/28

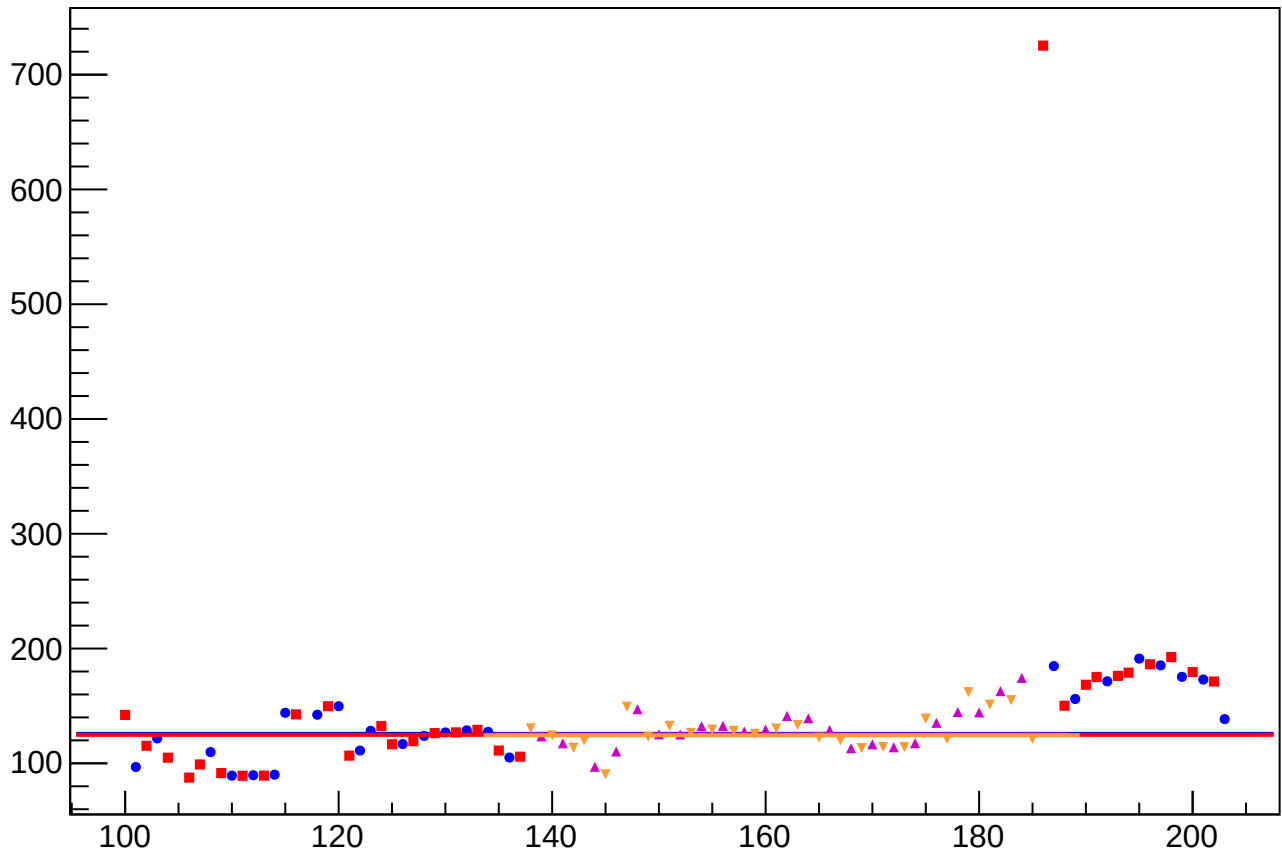
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 208.399 ± 22.981 χ^2/NDF : 60.4/49

All: 11.685 ± 16.278 χ^2/NDF : 263.3/101

- sign -186.401 ± 23.061 χ^2/NDF : 55.9/51

reg_asym_sam_48_dd_rms vs Slug



Right In: 125.669 $\pm$ 0.026 χ^2 /NDF: 1346777.1/24

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 124.782 $\pm$ 0.025 χ^2 /NDF: 2201157.8/28

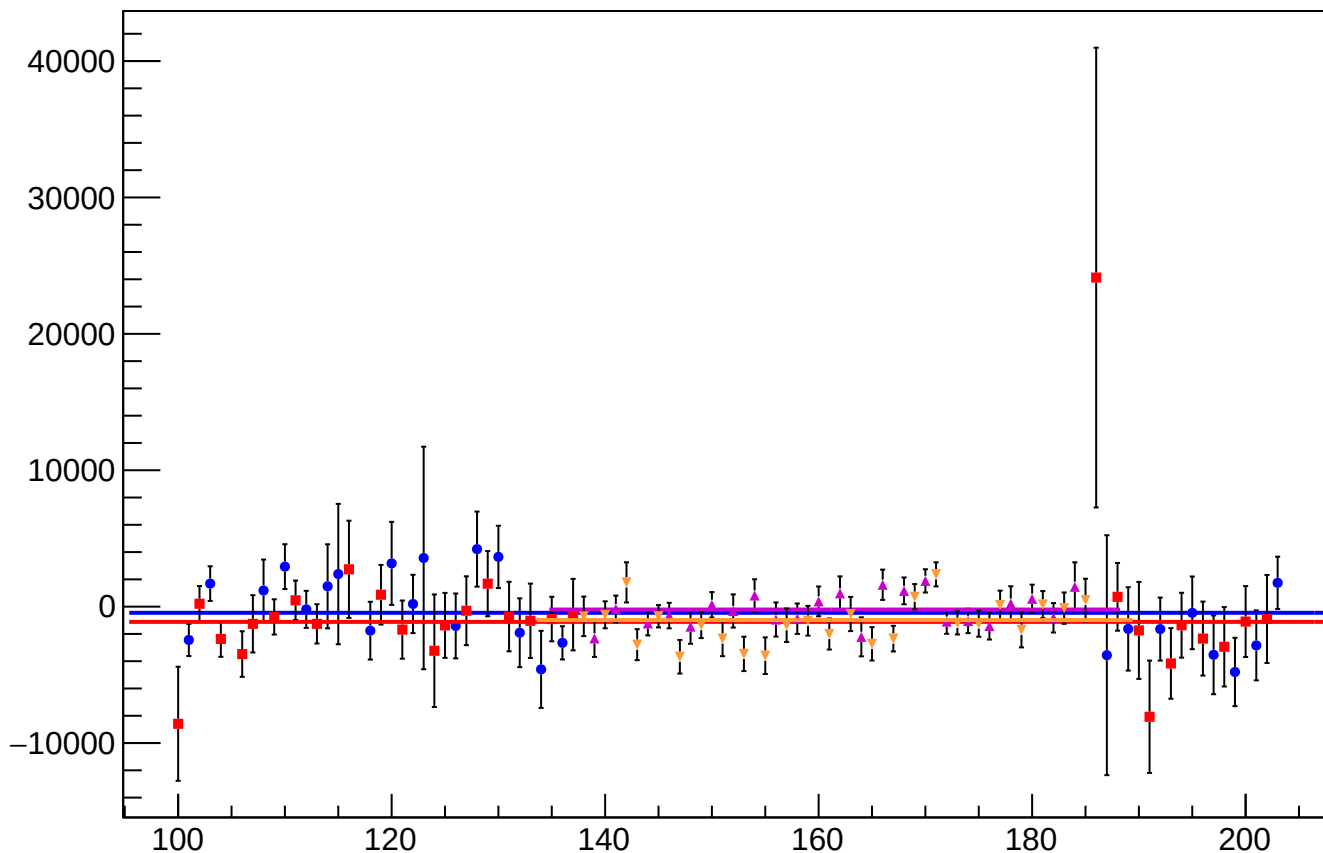
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 124.902 $\pm$ 0.016 χ^2 /NDF: 1887884.4/49

All: 124.965 $\pm$ 0.012 χ^2 /NDF: 4590624.3/100

- sign 125.028 $\pm$ 0.016 χ^2 /NDF: 2702710.0/51

asym_sam_48_dd_correction_mean vs Slug



Right In: -450.457 ± 416.609 χ^2/NDF : 32.2/24

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1116.387 ± 395.510 χ^2/NDF : 20.0/28

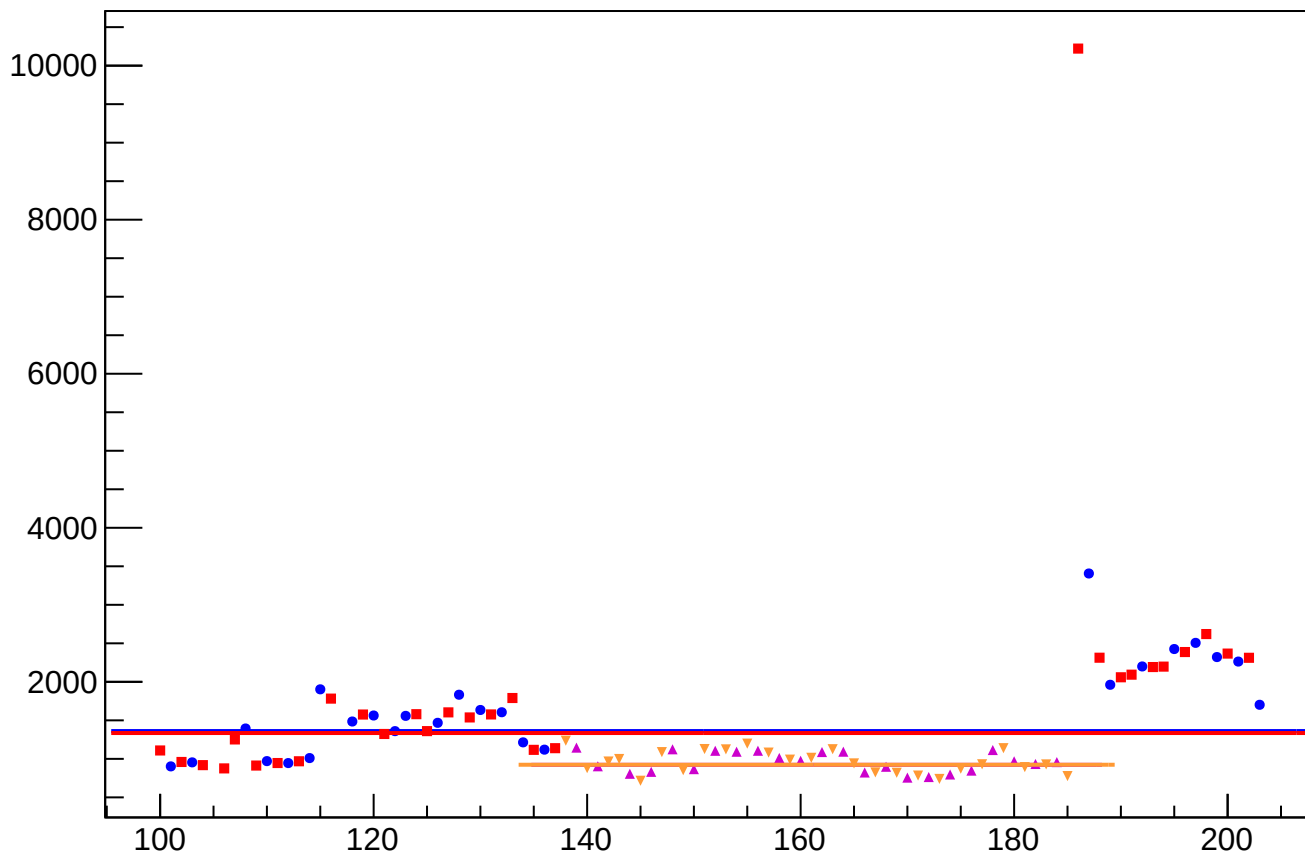
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -868.383 ± 193.169 χ^2/NDF : 80.7/49

All: -650.714 ± 137.040 χ^2/NDF : 132.9/101

- sign -430.156 ± 194.447 χ^2/NDF : 49.7/51

asym_sam_48_dd_correction_rms vs Slug



Right In: 1360.932 $\pm$ 0.295 χ^2 /NDF: 2754474.4/24

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

+ sign 1017.611 $\pm$ 0.137 χ^2 /NDF: 5327441.6/49

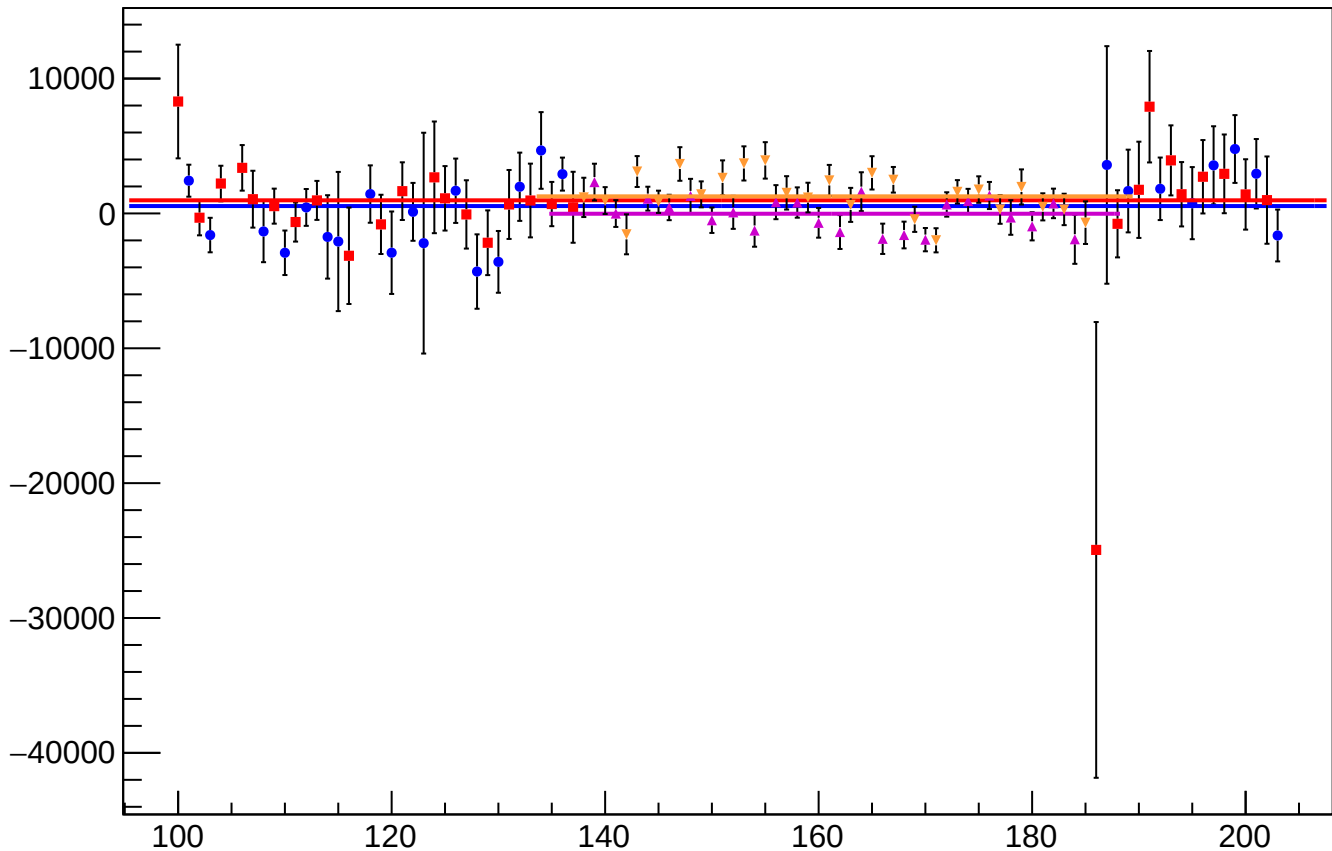
Right Out: 1335.364 $\pm$ 0.280 χ^2 /NDF: 3926936.5/28

All: 1019.840 $\pm$ 0.097 χ^2 /NDF: 11544266.4/100

- sign 1022.098 $\pm$ 0.137 χ^2 /NDF: 6216288.7/51

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

asym_sam_48_dd_mean vs Slug



Right In: 546.493 ± 418.513 χ^2/NDF : 32.3/24

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 972.459 ± 397.508 χ^2/NDF : 20.4/28

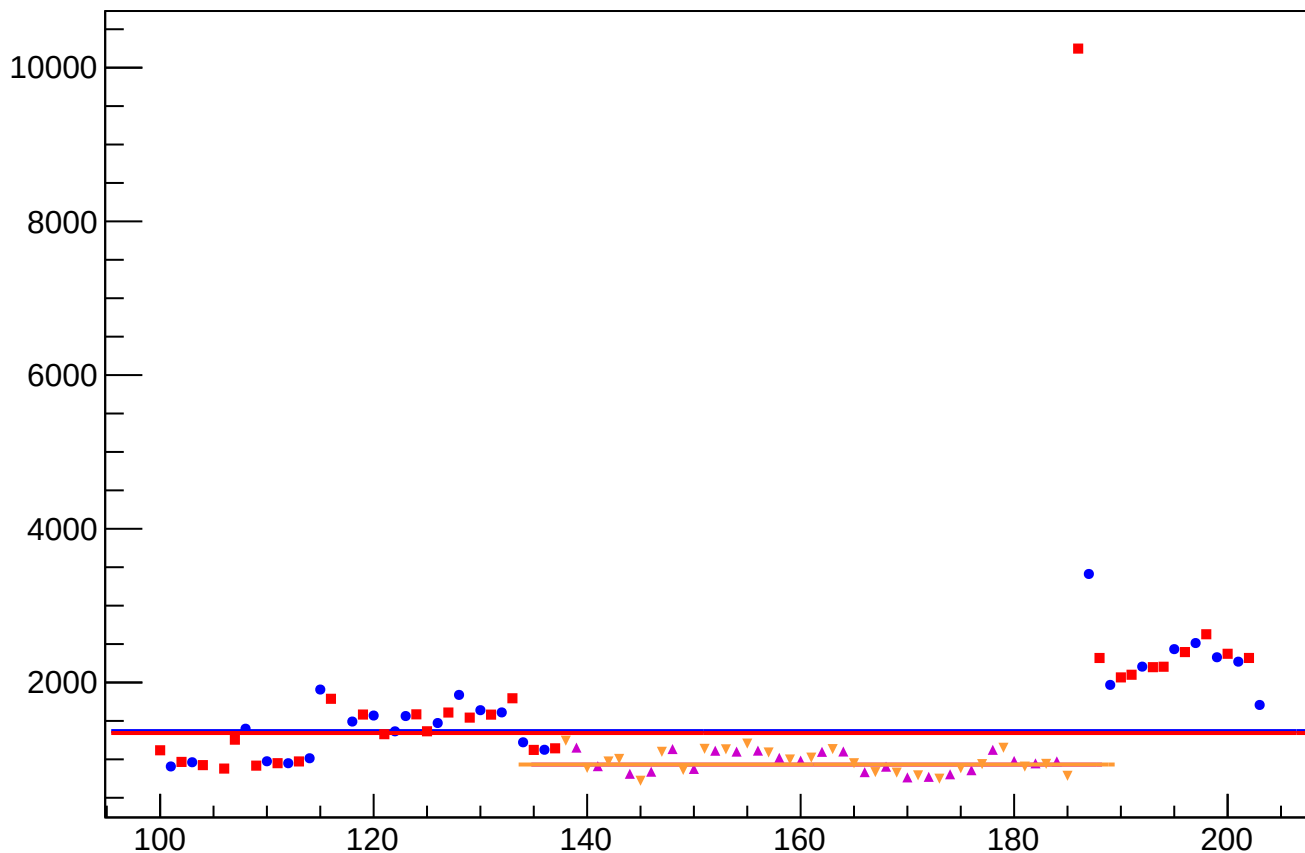
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1111.129 ± 194.826 χ^2/NDF : 79.5/49

All: 668.033 ± 138.222 χ^2/NDF : 142.2/101

- sign 218.980 ± 196.132 χ^2/NDF : 52.3/51

asym_sam_48_dd_rms vs Slug



Right In: 1367.686 $\pm$ 0.296 χ^2/NDF : 2739038.6/24

Left Out: 932.764 $\pm$ 0.156 χ^2/NDF : 829798.4/24

Right Out: 1342.474 $\pm$ 0.281 χ^2/NDF : 3907112.7/28

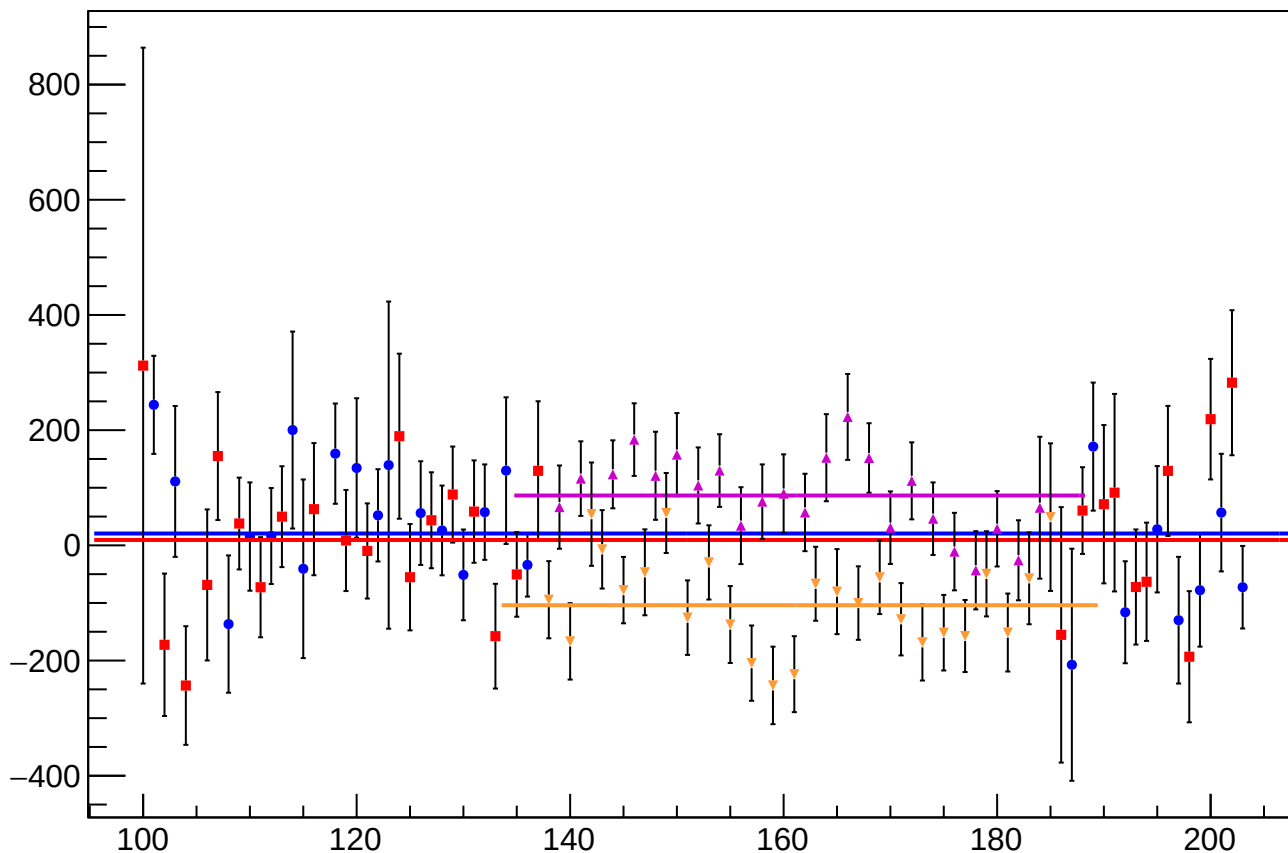
Left In: 931.493 $\pm$ 0.159 χ^2/NDF : 624436.4/22

+ sign 1027.015 $\pm$ 0.138 χ^2/NDF : 5260672.4/49

All: 1029.265 $\pm$ 0.098 χ^2/NDF : 11410175.4/100

- sign 1031.545 $\pm$ 0.139 χ^2/NDF : 6148966.2/51

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 20.571 $\pm$ 19.072 χ^2 /NDF: 27.2/24

Left Out: -103.899 $\pm$ 13.642 χ^2 /NDF:30.0/24

Right Out: 9.363 $\pm$ 18.834 χ^2 /NDF: 36.2/28

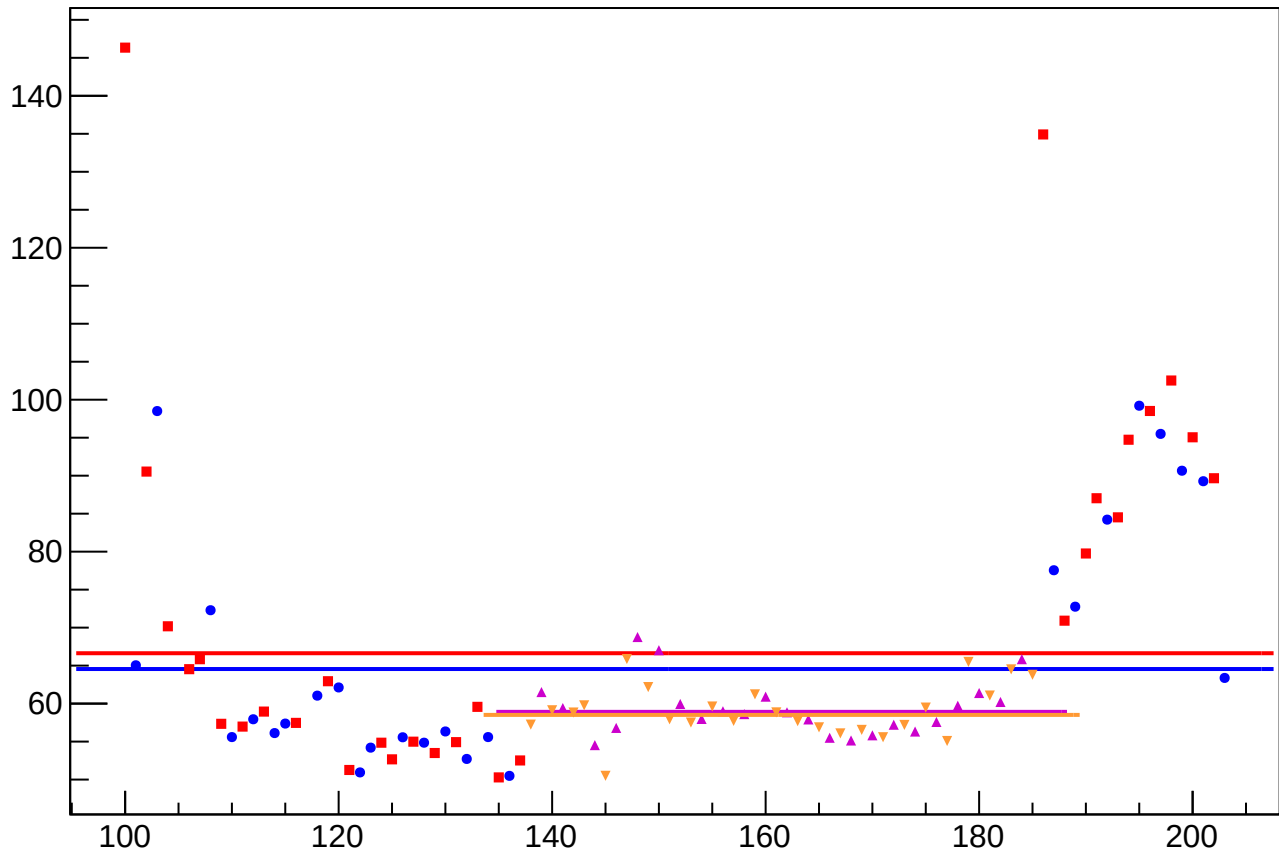
Left In: 86.542 $\pm$ 14.120 χ^2 /NDF:21.4/22

+ sign -61.769 $\pm$ 11.096 χ^2 /NDF: 85.4/49

All: -2.585 $\pm$ 7.916 χ^2 /NDF: 211.6/101

- sign 58.772 $\pm$ 11.298 χ^2 /NDF: 68.3/51

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.551 $\pm$ 0.013 χ^2 /NDF: 1237197.4/24

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 66.630 $\pm$ 0.013 χ^2 /NDF: 1622731.3/28

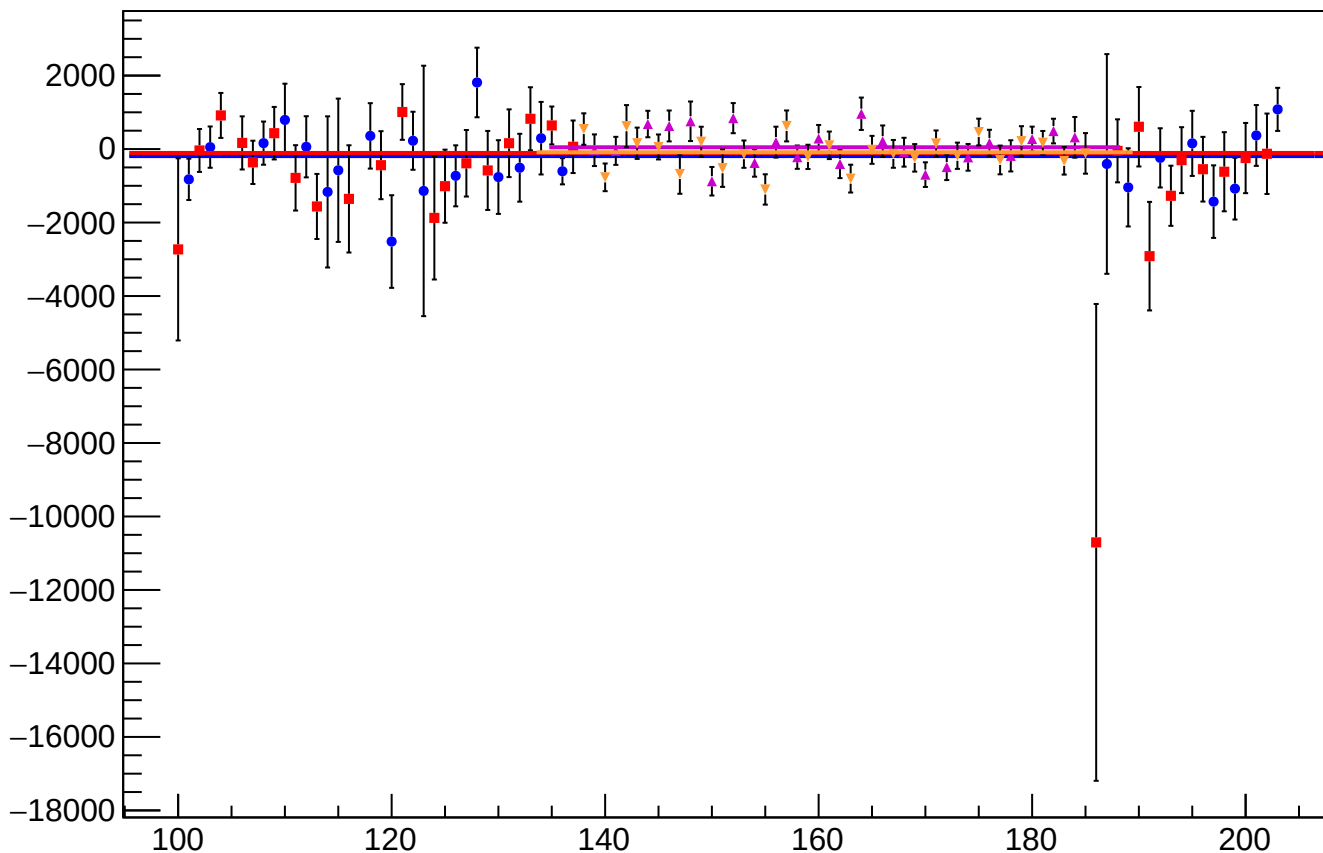
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 60.557 $\pm$ 0.008 χ^2 /NDF: 1493034.8/49

All: 61.113 $\pm$ 0.006 χ^2 /NDF: 3450934.4/101

- sign 61.690 $\pm$ 0.008 χ^2 /NDF: 1947652.7/51

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -191.348 ± 158.068 χ^2/NDF : 22.9/24

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -106.110 ± 158.800 χ^2/NDF : 26.1/28

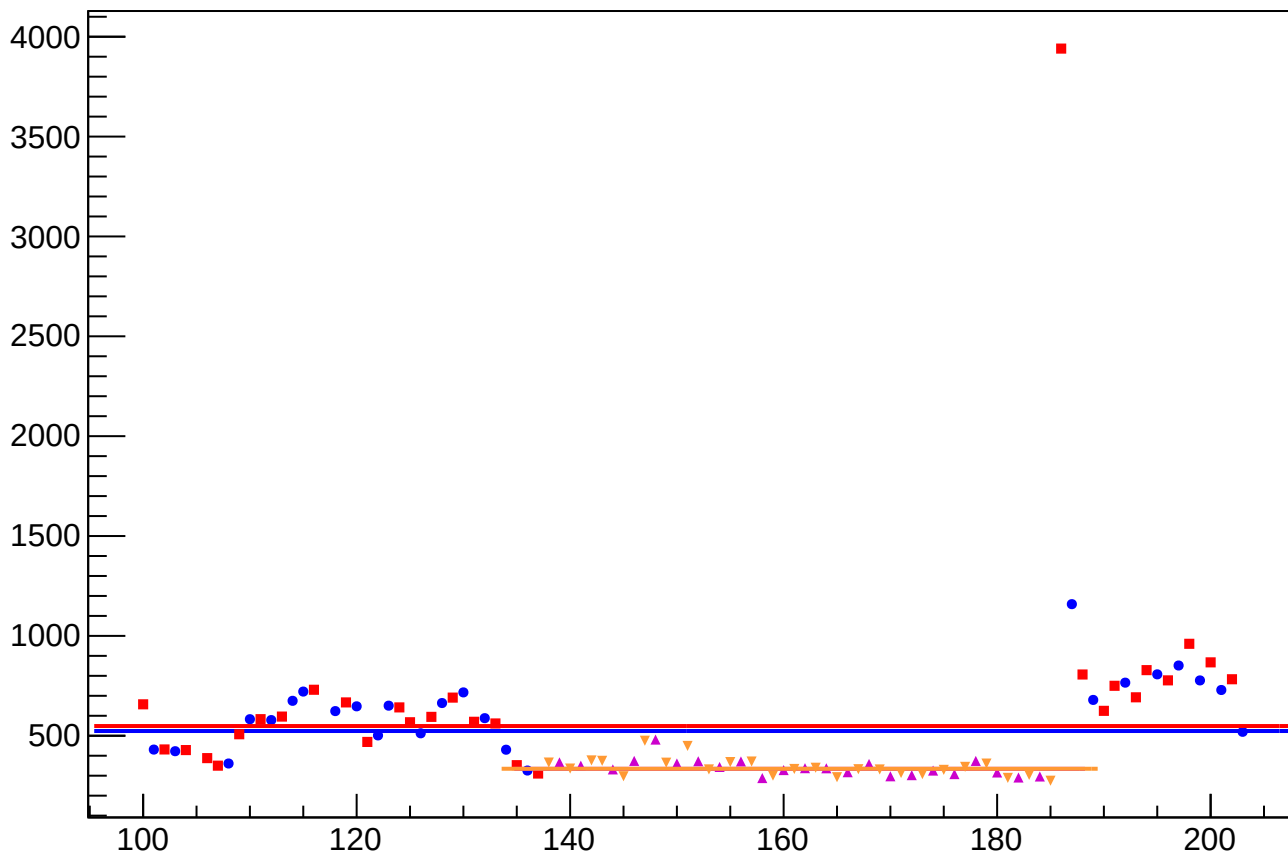
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -108.036 ± 70.348 χ^2/NDF : 51.0/49

All: -46.799 ± 50.261 χ^2/NDF : 114.7/101

- sign 17.054 ± 71.835 χ^2/NDF : 62.2/51

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 523.723+/-0.112 χ^2/NDF : 2175678.1/24

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 548.604+/-0.112 χ^2/NDF : 2920429.3/28

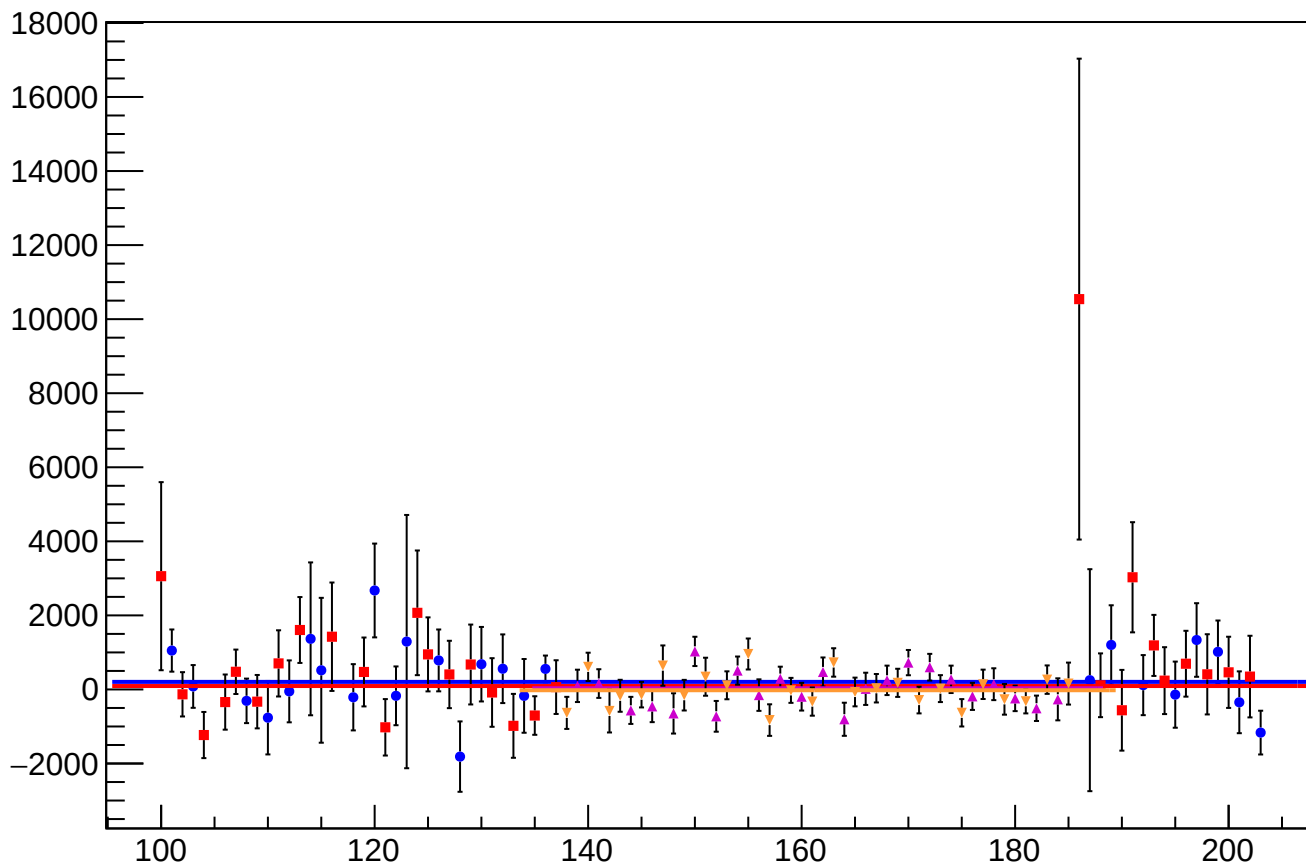
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 372.179+/-0.050 χ^2/NDF : 4959431.1/49

All: 375.044+/-0.036 χ^2/NDF : 11185067.2/10

- sign 378.032+/-0.051 χ^2/NDF : 6218858.1/51

asym_sam_13_57_dd_mean vs Slug



Right In: 204.540 $\pm$ 159.742 χ^2 /NDF: 24.2/24

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 92.282 $\pm$ 160.549 χ^2 /NDF: 29.4/28

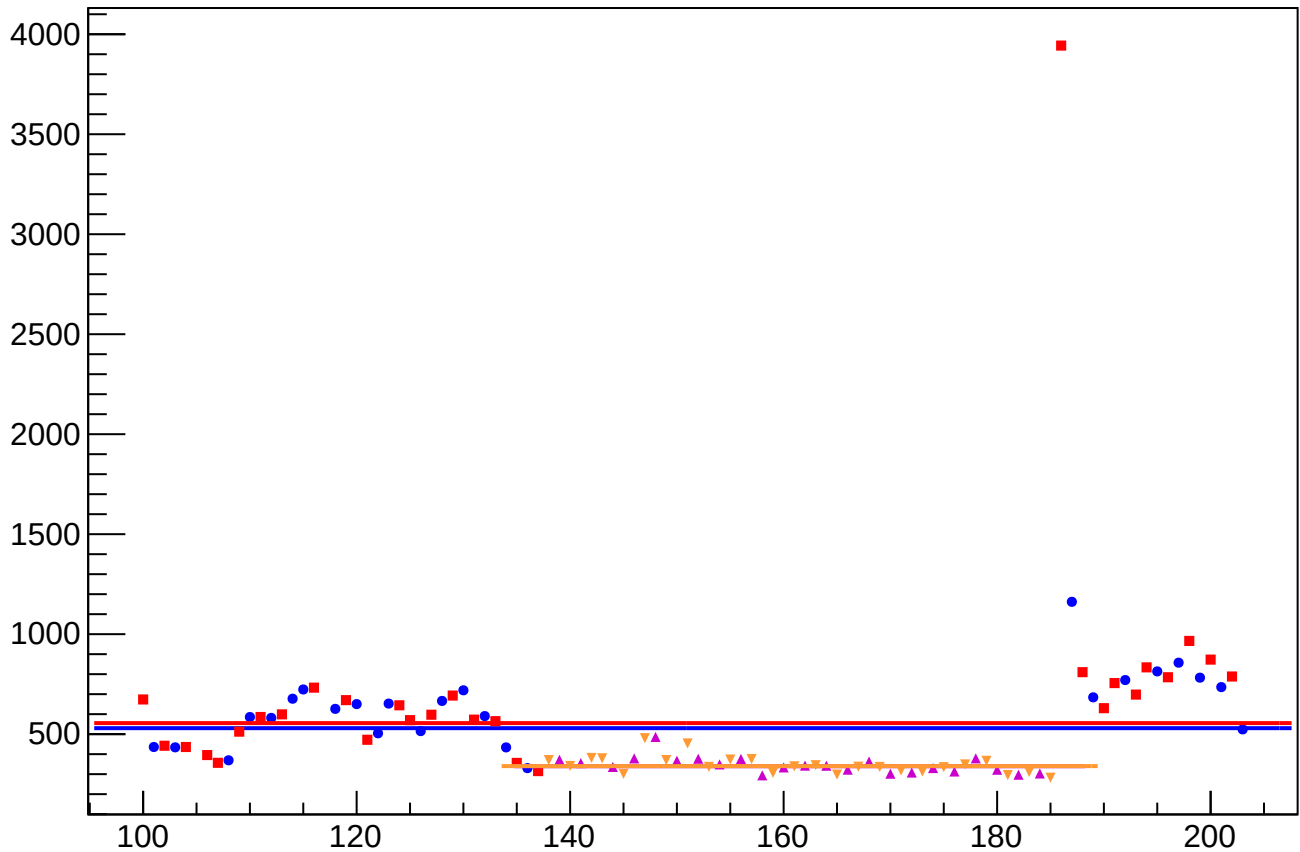
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 24.138 $\pm$ 71.396 χ^2 /NDF: 53.0/49

All: 33.995 $\pm$ 51.013 χ^2 /NDF: 116.6/101

- sign 44.274 $\pm$ 72.913 χ^2 /NDF: 63.6/51

asym_sam_13_57_dd_rms vs Slug



Right In: 529.971 $\pm$ 0.113 χ^2 /NDF: 2120724.9/24

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 555.285 $\pm$ 0.114 χ^2 /NDF: 2857863.5/28

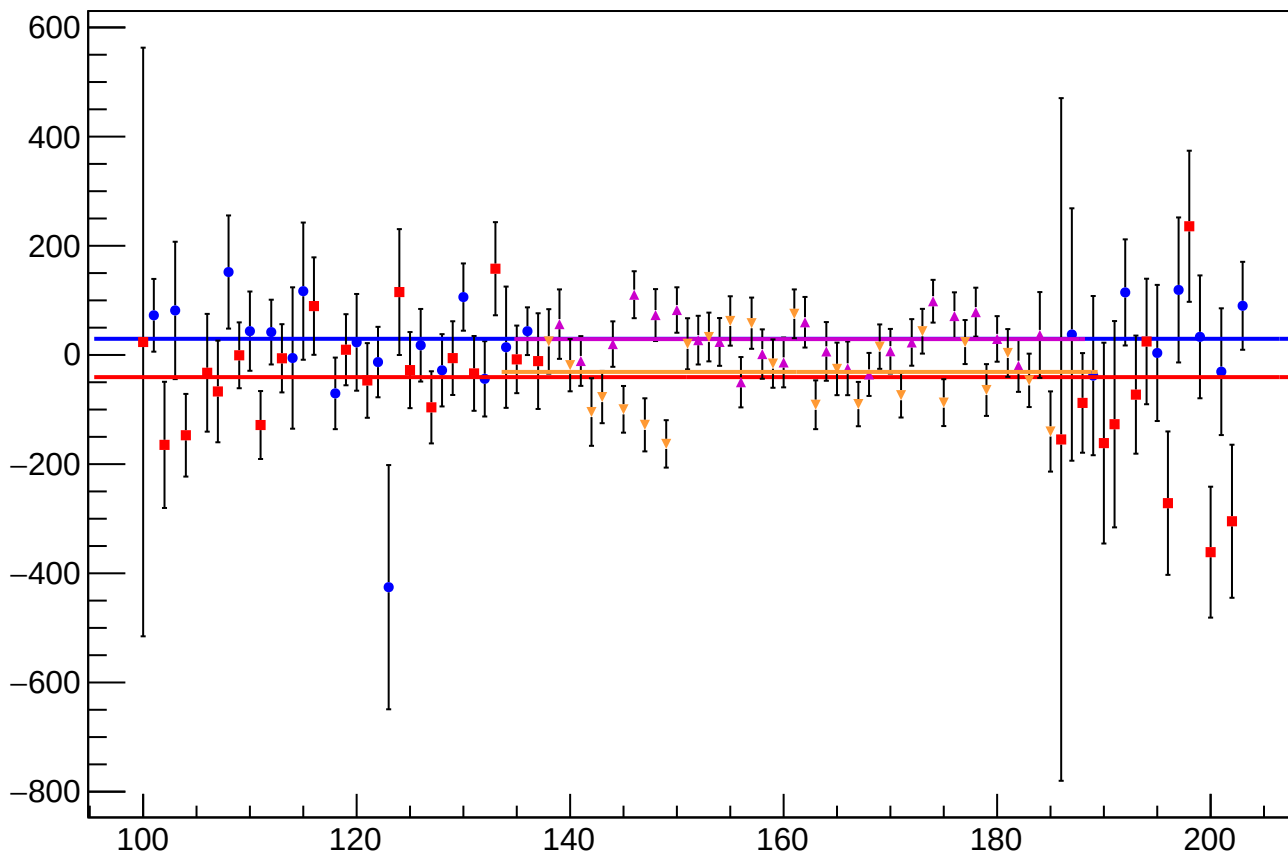
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 378.139 $\pm$ 0.050 χ^2 /NDF: 4847437.6/49

All: 381.058 $\pm$ 0.036 χ^2 /NDF: 10956459.3/10

- sign 384.102 $\pm$ 0.052 χ^2 /NDF: 6102193.9/51

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 29.609 $\pm$ 16.372 χ^2 /NDF: 15.4/24

Left Out: -31.063 $\pm$ 9.170 χ^2 /NDF: 52.6/24

Right Out: -40.604 $\pm$ 16.093 χ^2 /NDF: 36.5/28

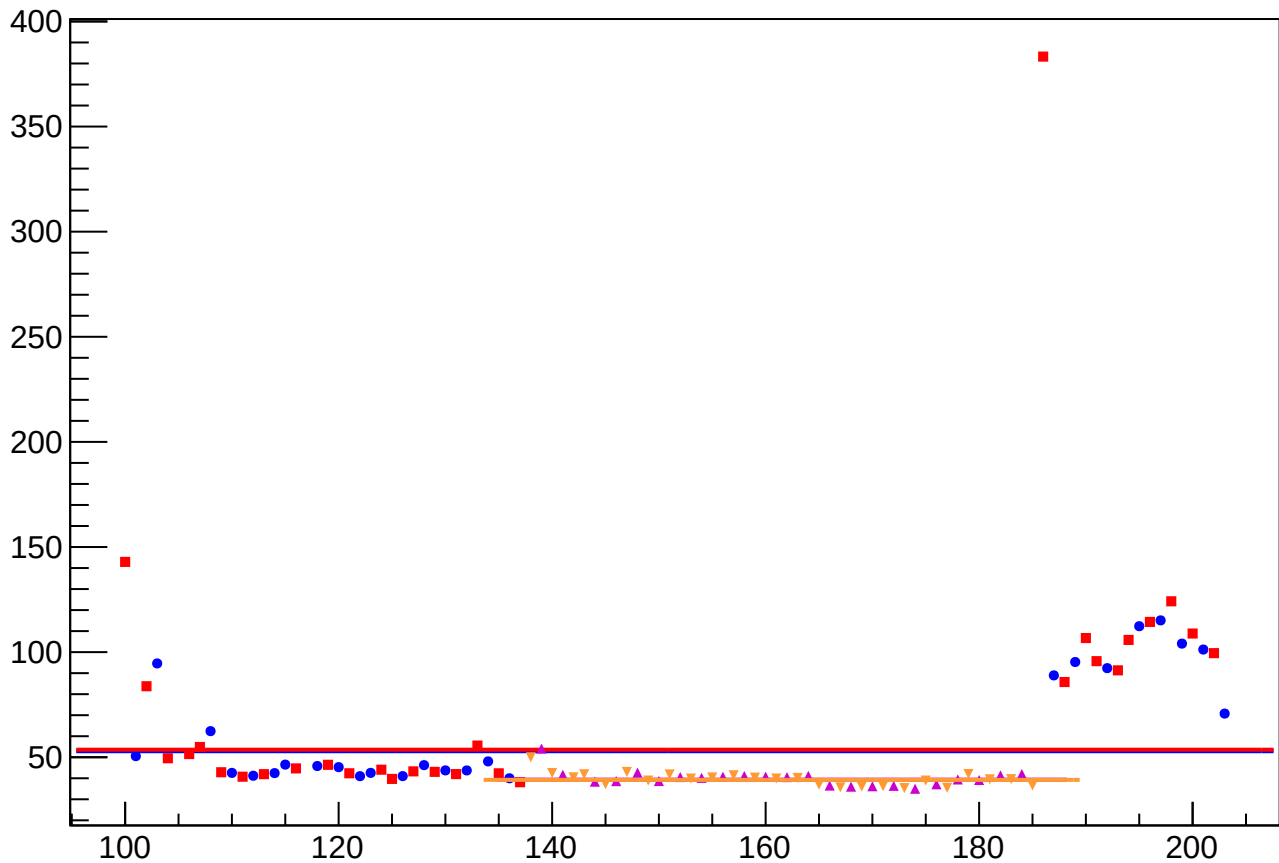
Left In: 29.055 $\pm$ 9.449 χ^2 /NDF: 22.4/22

+ sign -16.575 $\pm$ 8.000 χ^2 /NDF: 78.5/49

All: -2.945 $\pm$ 5.709 χ^2 /NDF: 157.2/101

- sign 11.196 $\pm$ 8.149 χ^2 /NDF: 72.8/51

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 52.865 $\pm$ 0.012 χ^2 /NDF: 3126740.1/24

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 53.589 $\pm$ 0.011 χ^2 /NDF: 4205728.0/28

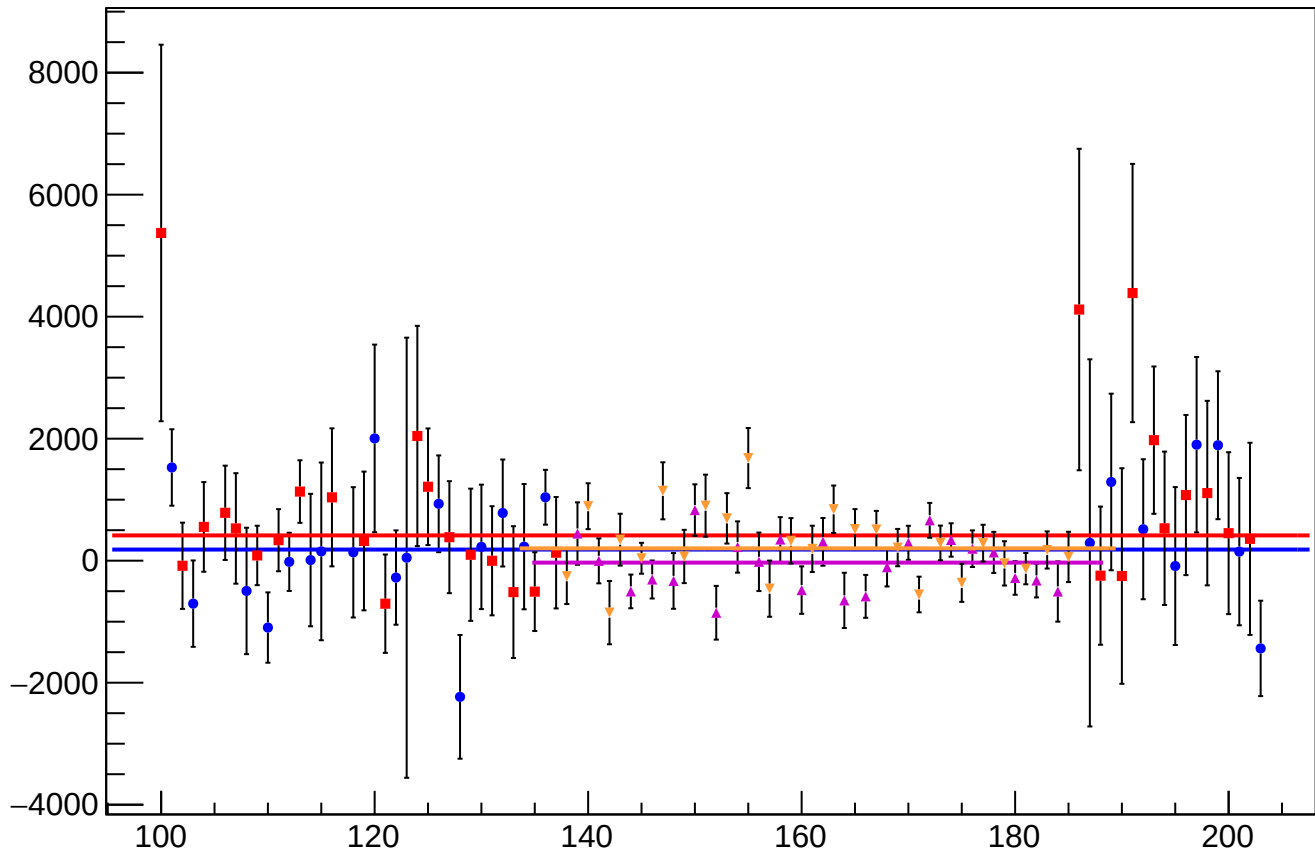
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 42.490 $\pm$ 0.006 χ^2 /NDF: 4383811.6/49

All: 42.736 $\pm$ 0.004 χ^2 /NDF: 9975184.0/101

- sign 42.992 $\pm$ 0.006 χ^2 /NDF: 5587505.4/51

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 182.457 ± 173.003 χ^2/NDF : 32.6/24

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 414.488 ± 167.261 χ^2/NDF : 20.9/28

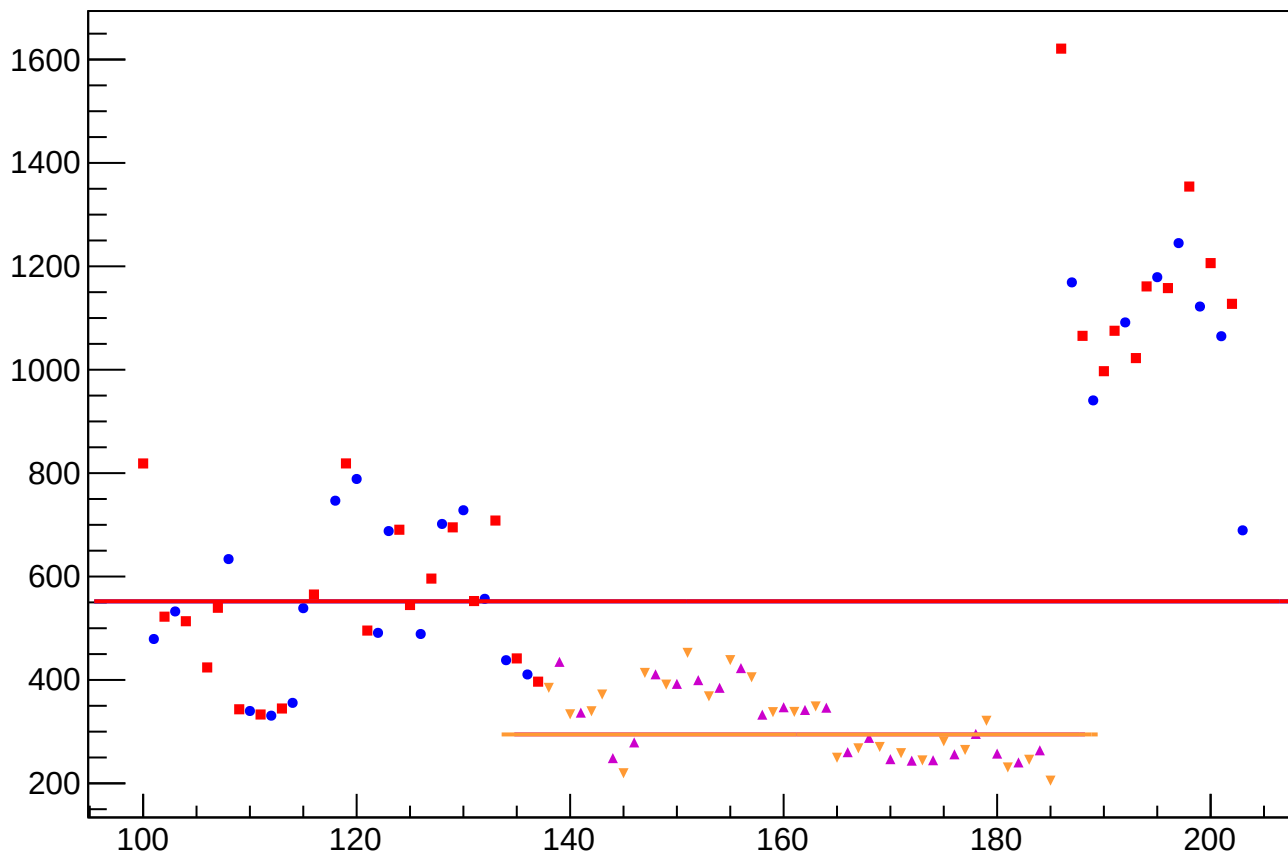
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 199.539 ± 65.228 χ^2/NDF : 77.4/49

All: 120.146 ± 46.467 χ^2/NDF : 140.6/101

- sign 38.344 ± 66.210 χ^2/NDF : 60.2/51

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 551.909 $\pm$ 0.122 χ^2 /NDF: 3744083.5/24

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 552.135 $\pm$ 0.118 χ^2 /NDF: 4977747.5/28

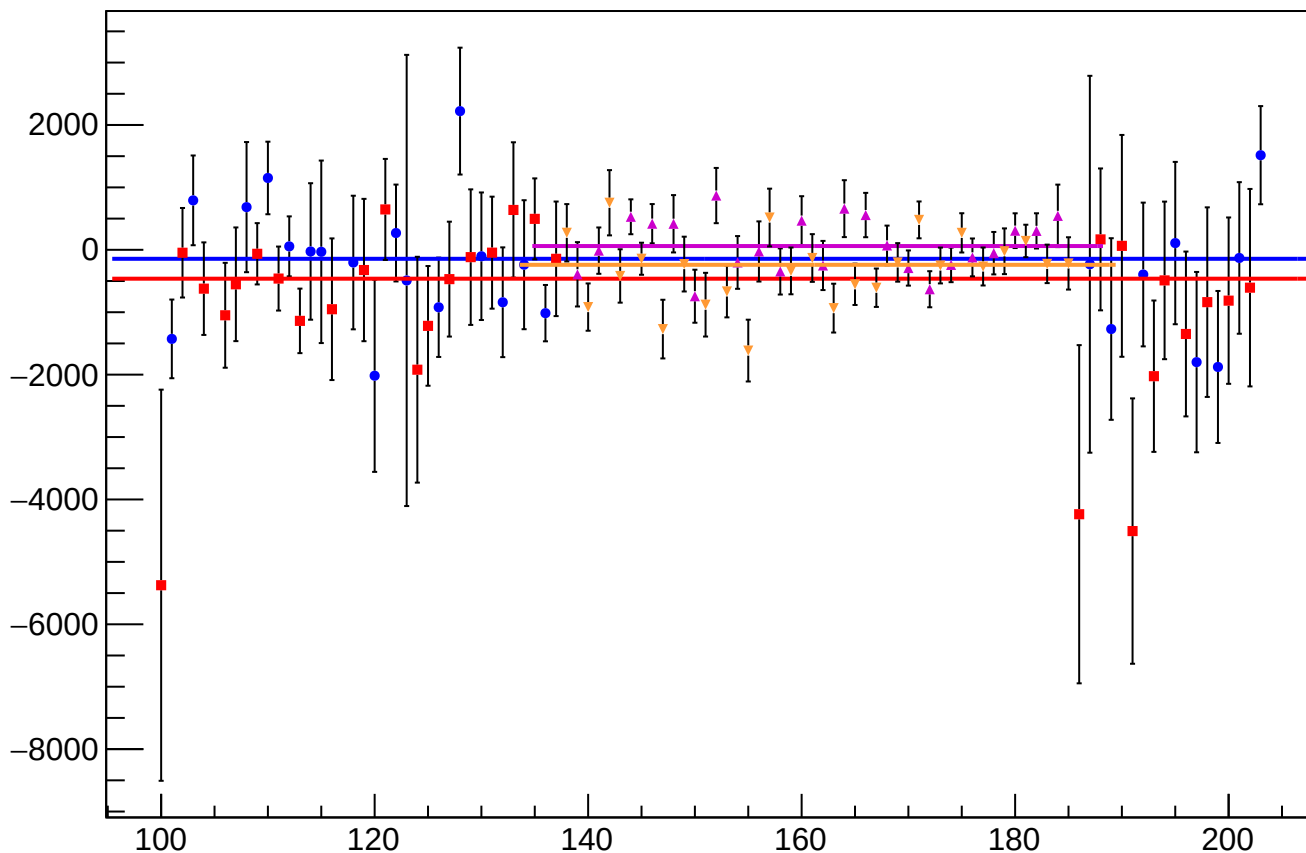
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 331.171 $\pm$ 0.046 χ^2 /NDF: 9220064.8/49

All: 333.085 $\pm$ 0.033 χ^2 /NDF: 19493294.7/100

- sign 335.058 $\pm$ 0.047 χ^2 /NDF: 10269731.9/51

asym_sam_15_37_dd_mean vs Slug



Right In: -144.063 ± 174.039 χ^2/NDF : 32.6/24

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -462.770 ± 168.895 χ^2/NDF : 20.9/28

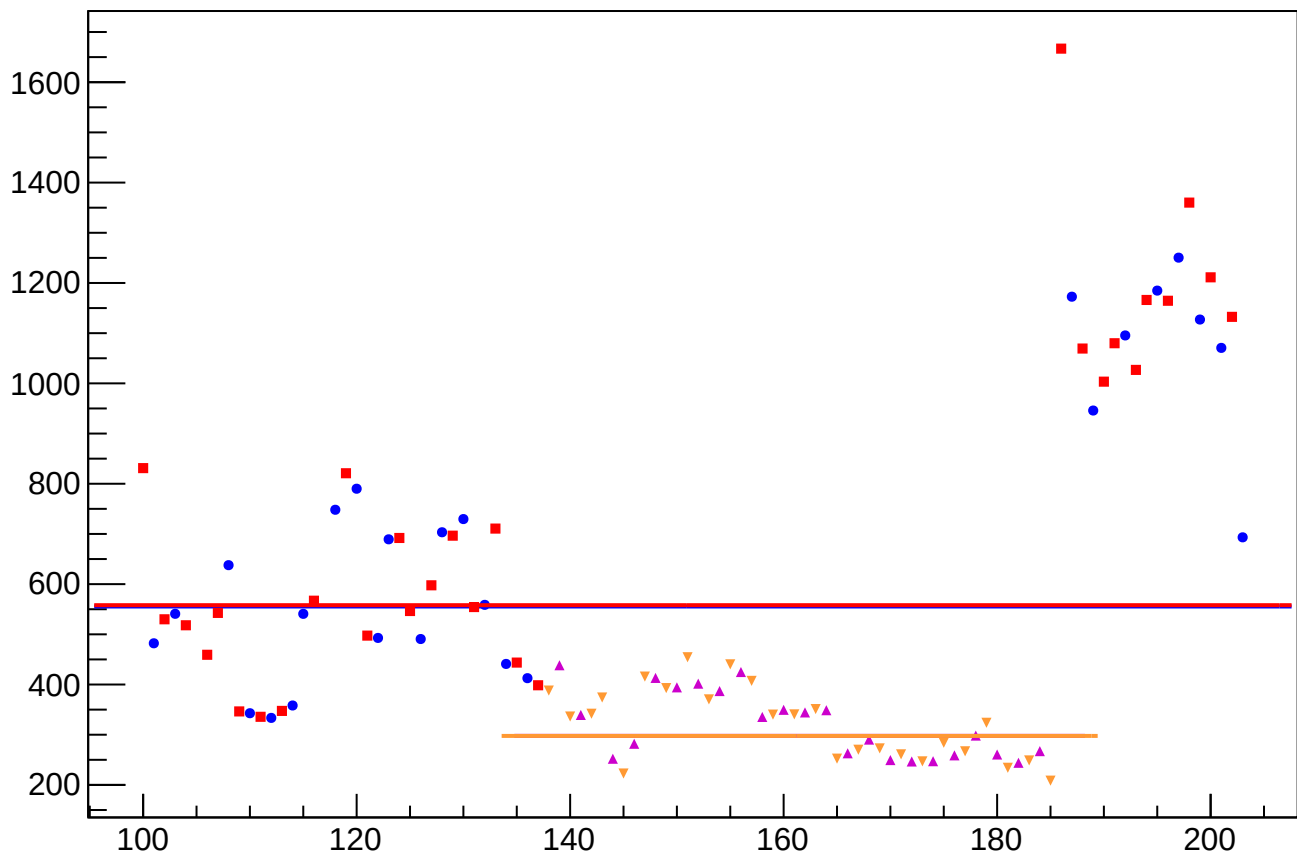
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -226.584 ± 65.820 χ^2/NDF : 75.8/49

All: -125.680 ± 46.900 χ^2/NDF : 140.5/101

- sign -21.608 ± 66.845 χ^2/NDF : 59.9/51

asym_sam_15_37_dd_rms vs Slug



Right In: 555.475 $\pm$ 0.123 χ^2 /NDF: 3726161.8/24

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF: 1637757.8/24

Right Out: 558.061 $\pm$ 0.119 χ^2 /NDF: 4932207.6/28

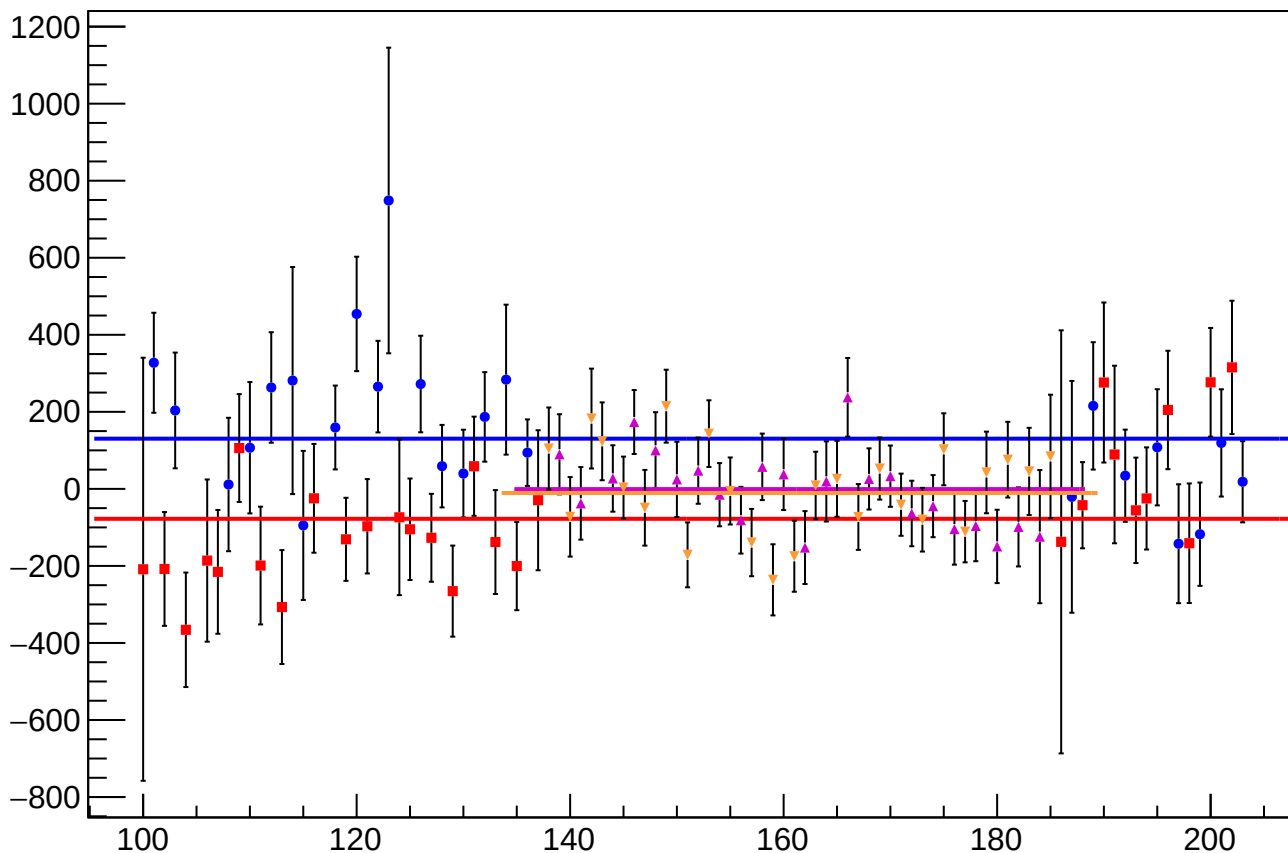
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF: 1266306.2/22

+ sign 334.494 $\pm$ 0.047 χ^2 /NDF: 9126417.9/49

All: 336.457 $\pm$ 0.033 χ^2 /NDF: 19336885.5/10

- sign 338.482 $\pm$ 0.047 χ^2 /NDF: 10206853.0/51

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 130.338 $\pm$ 27.437 χ^2 /NDF: 26.3/24

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: -77.695 $\pm$ 27.182 χ^2 /NDF: 34.8/28

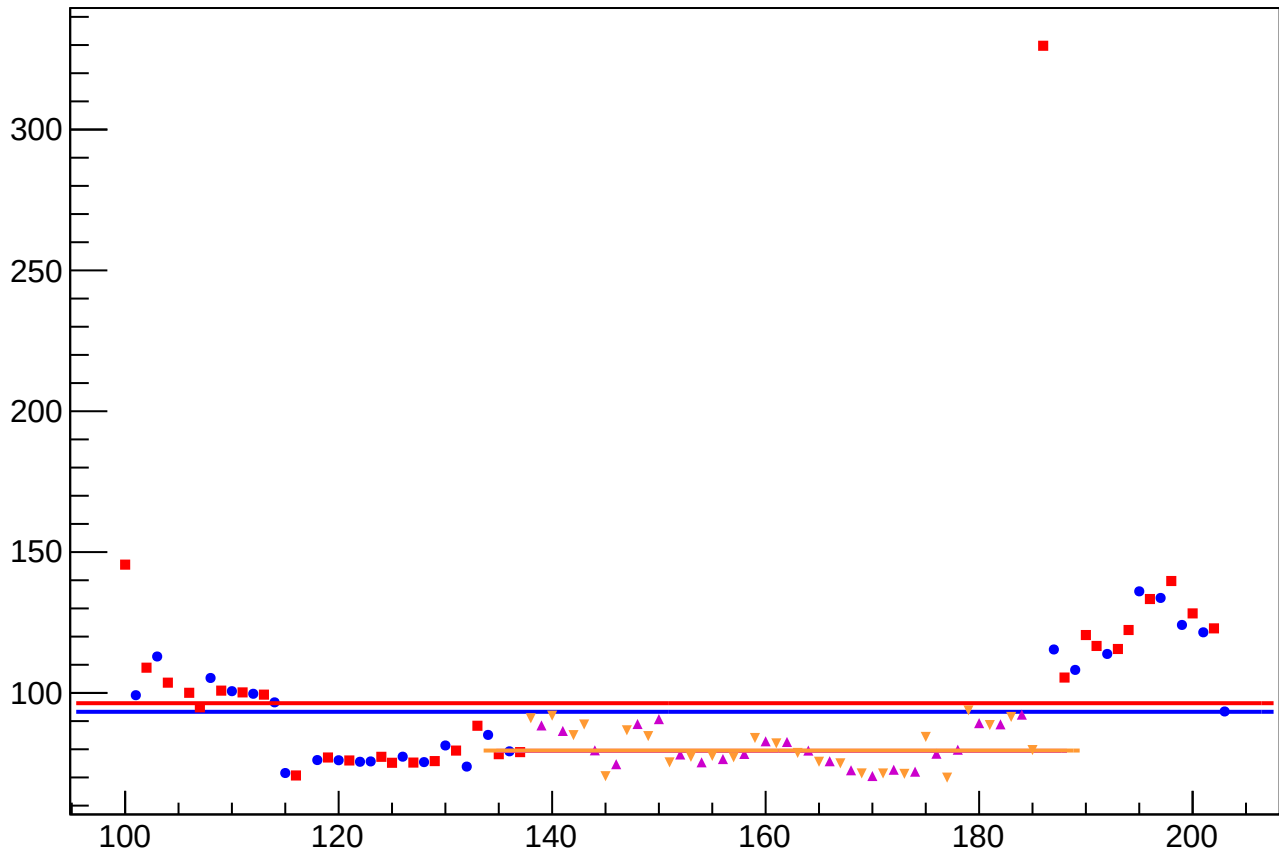
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

+ sign 33.763 $\pm$ 15.401 χ^2 /NDF: 80.7/49

All: 4.284 $\pm$ 10.968 χ^2 /NDF: 152.1/101

- sign -26.050 $\pm$ 15.623 χ^2 /NDF: 63.9/51

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 93.304 $\pm$ 0.019 χ^2 /NDF: 1000023.9/24

Left Out: 79.551 $\pm$ 0.013 χ^2 /NDF:309075.2/24

Right Out: 96.359 $\pm$ 0.019 χ^2 /NDF: 1487476.0/28

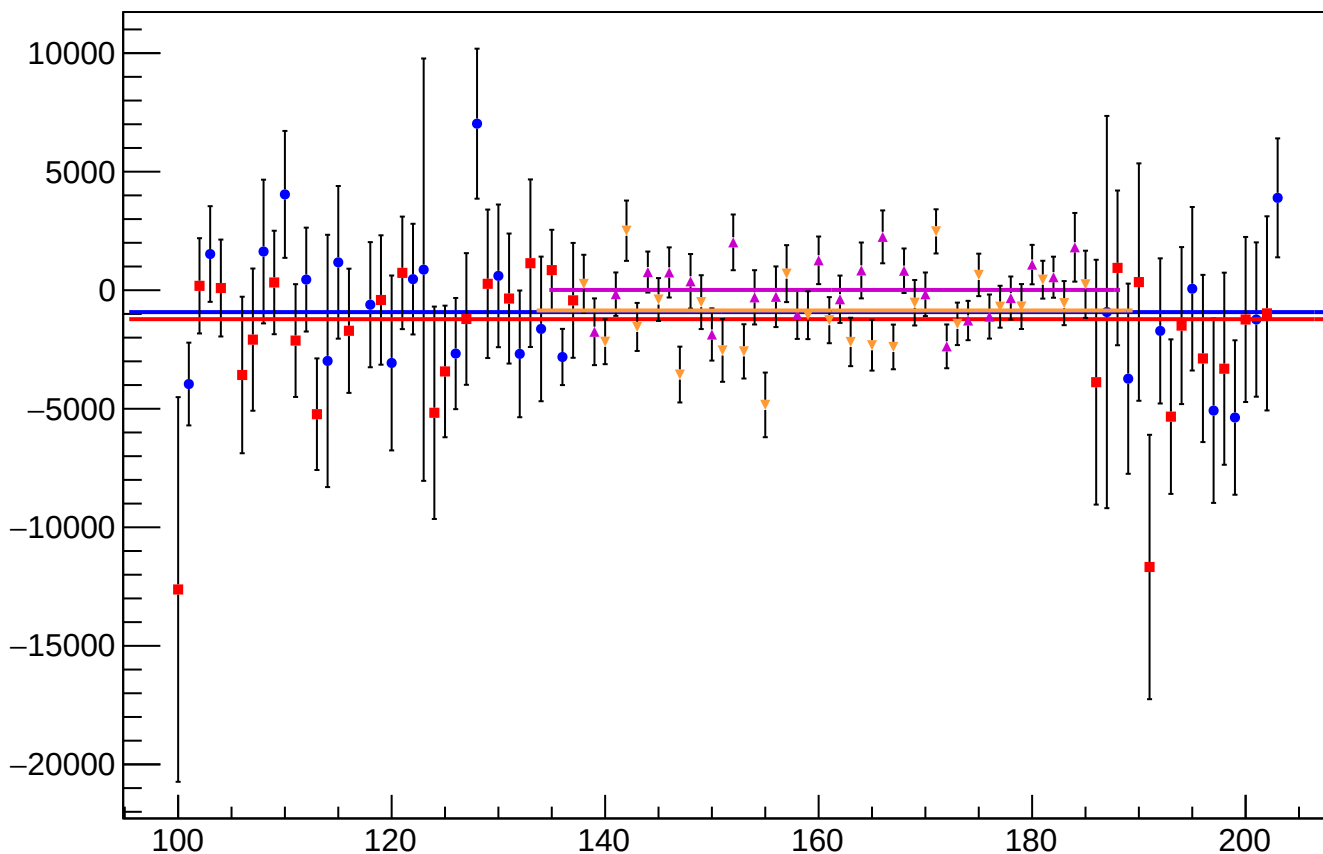
Left In: 79.436 $\pm$ 0.013 χ^2 /NDF:212440.1/22

+ sign 83.884 $\pm$ 0.011 χ^2 /NDF: 1653265.7/49

All: 84.447 $\pm$ 0.008 χ^2 /NDF: 3877662.7/101

- sign 85.026 $\pm$ 0.011 χ^2 /NDF: 2218977.5/51

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -923.303 ± 526.453 χ^2/NDF : 27.9/24

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1221.065 ± 531.248 χ^2/NDF : 18.0/28

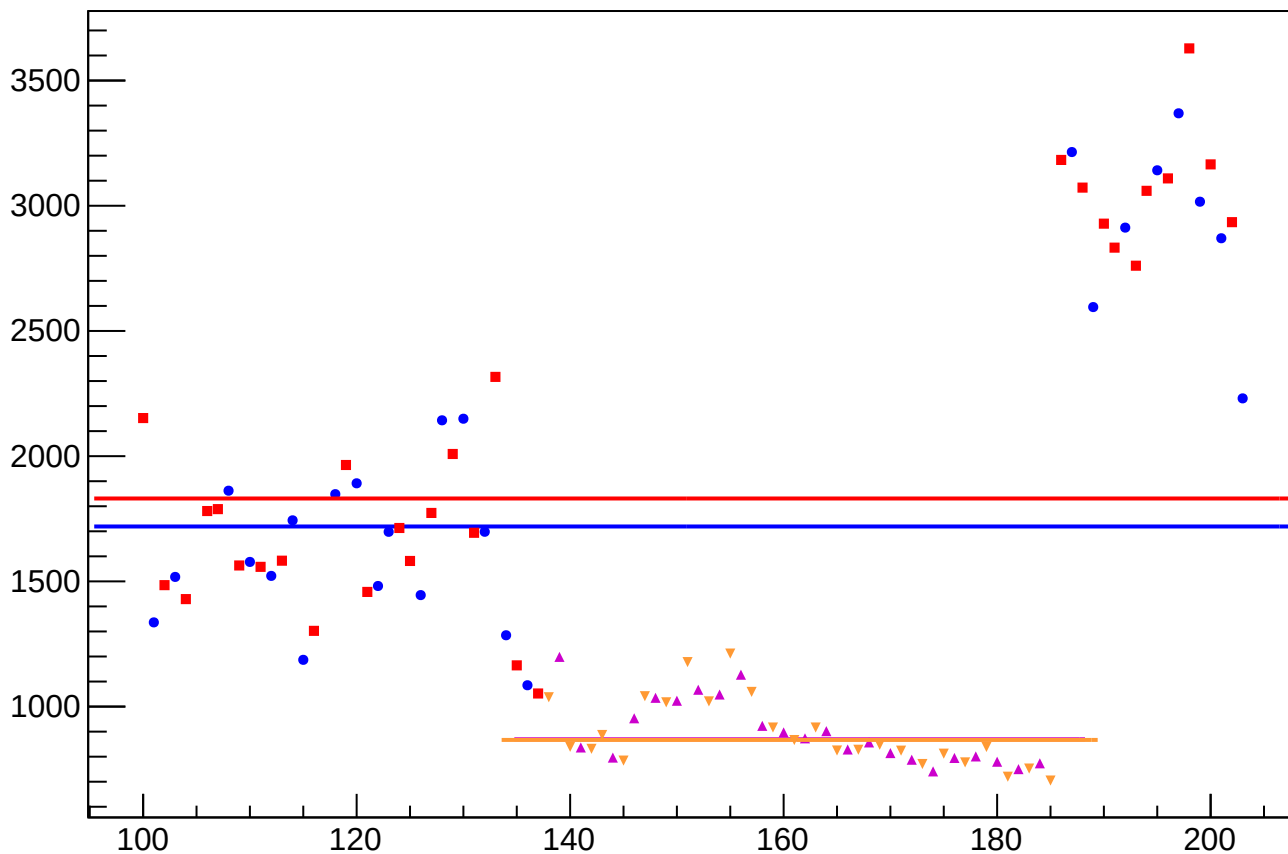
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -863.167 ± 190.291 χ^2/NDF : 83.9/49

All: -518.384 ± 136.311 χ^2/NDF : 144.5/101

- sign -155.009 ± 195.354 χ^2/NDF : 53.9/51

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1719.220 $\pm$ 0.372 χ^2 /NDF: 2758580.4/24

Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF:661712.5/24

Right Out: 1830.994 $\pm$ 0.376 χ^2 /NDF: 3057123.3/28

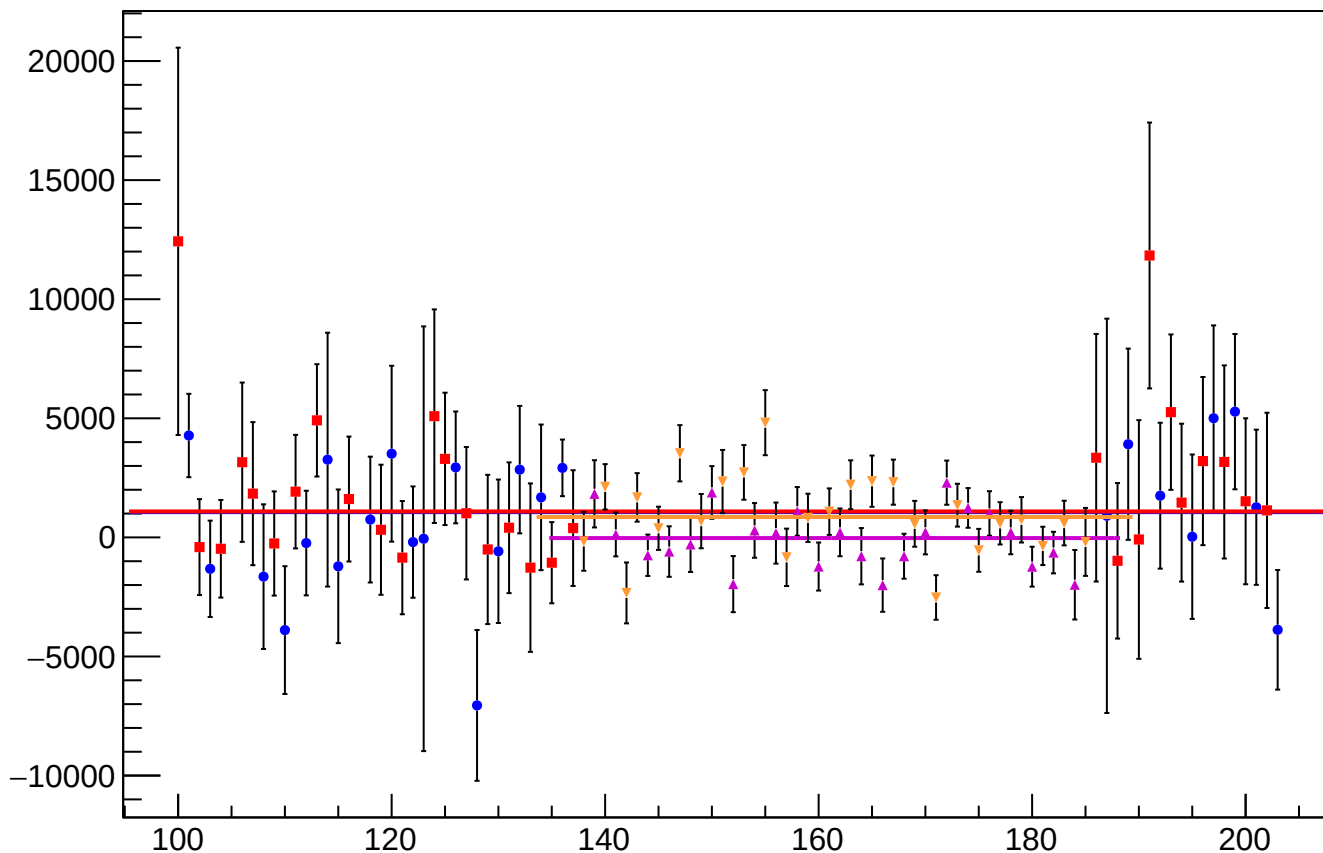
Left In: 869.569 $\pm$ 0.149 χ^2 /NDF:582301.2/22

+ sign 978.252 $\pm$ 0.135 χ^2 /NDF: 7977694.7/49

All: 988.634 $\pm$ 0.096 χ^2 /NDF: 17293968.7/10

- sign 999.576 $\pm$ 0.138 χ^2 /NDF: 9304046.8/51

asym_sam_24_68_dd_mean vs Slug



Right In: 1060.910 $\pm$ 527.429 χ^2 /NDF: 28.4/24

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 1089.335 $\pm$ 532.331 χ^2 /NDF: 17.9/28

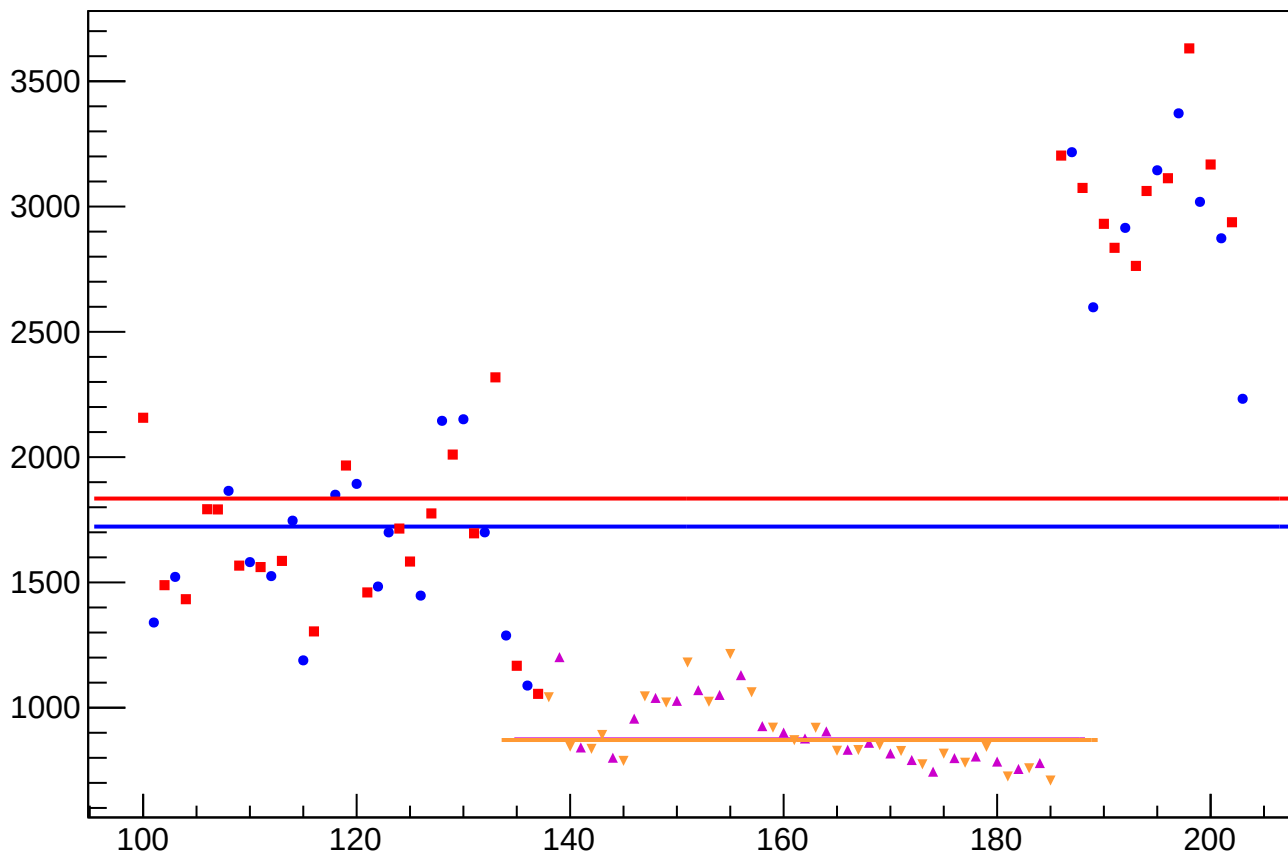
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 882.612 $\pm$ 191.112 χ^2 /NDF: 82.6/49

All: 512.877 $\pm$ 136.894 χ^2 /NDF: 141.8/101

- sign 123.273 $\pm$ 196.180 χ^2 /NDF: 51.5/51

asym_sam_24_68_dd_rms vs Slug



Right In: 1722.842 $\pm$ 0.373 χ^2 /NDF: 2748520.1/24

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

+ sign 982.938 $\pm$ 0.135 χ^2 /NDF: 7931131.2/49

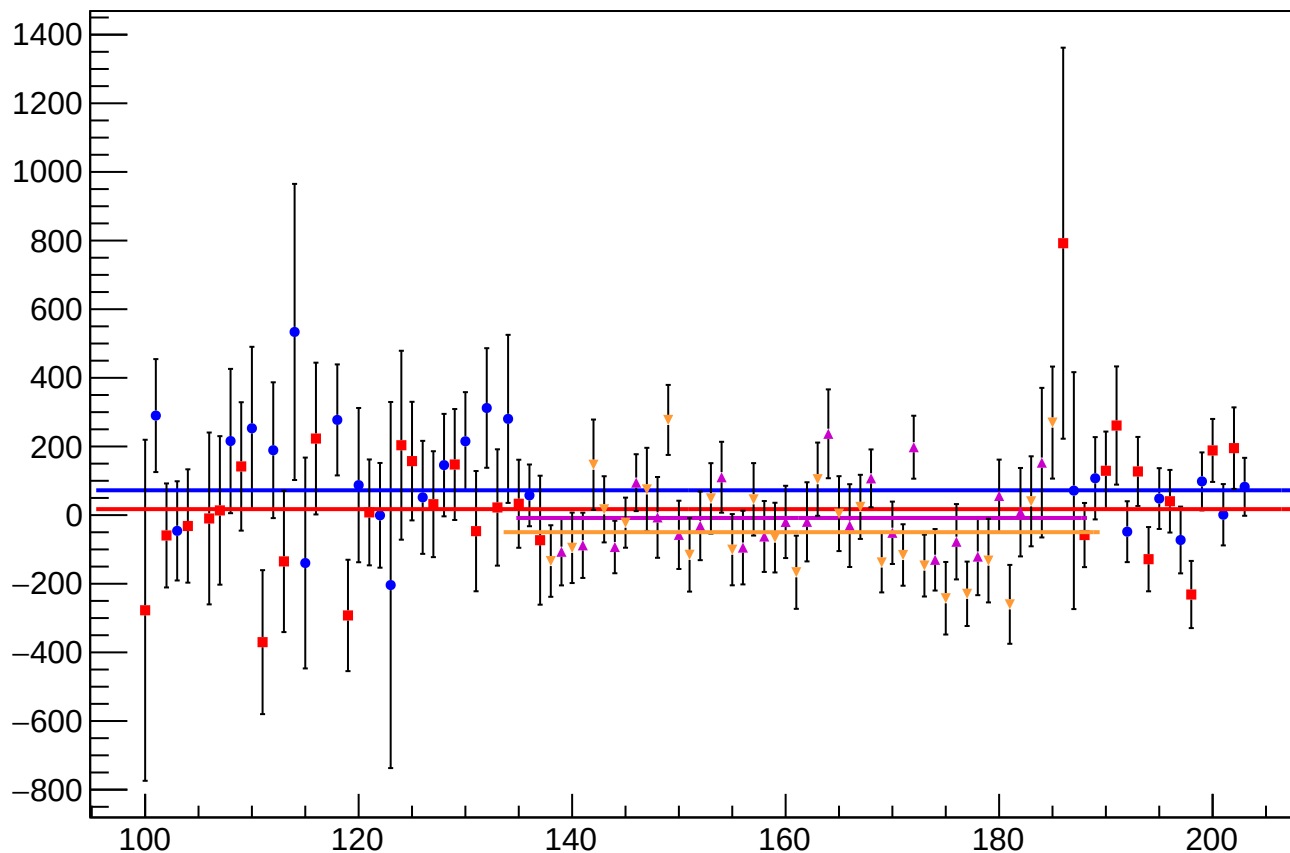
Right Out: 1834.709 $\pm$ 0.376 χ^2 /NDF: 3050013.8/28

All: 993.289 $\pm$ 0.097 χ^2 /NDF: 17200151.5/10

Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

- sign 1004.198 $\pm$ 0.139 χ^2 /NDF: 9256969.3/51

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 72.295 ± 26.548 $\chi^2/\text{NDF}: 16.4/24$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: 17.395 ± 26.398 $\chi^2/\text{NDF}: 33.1/28$

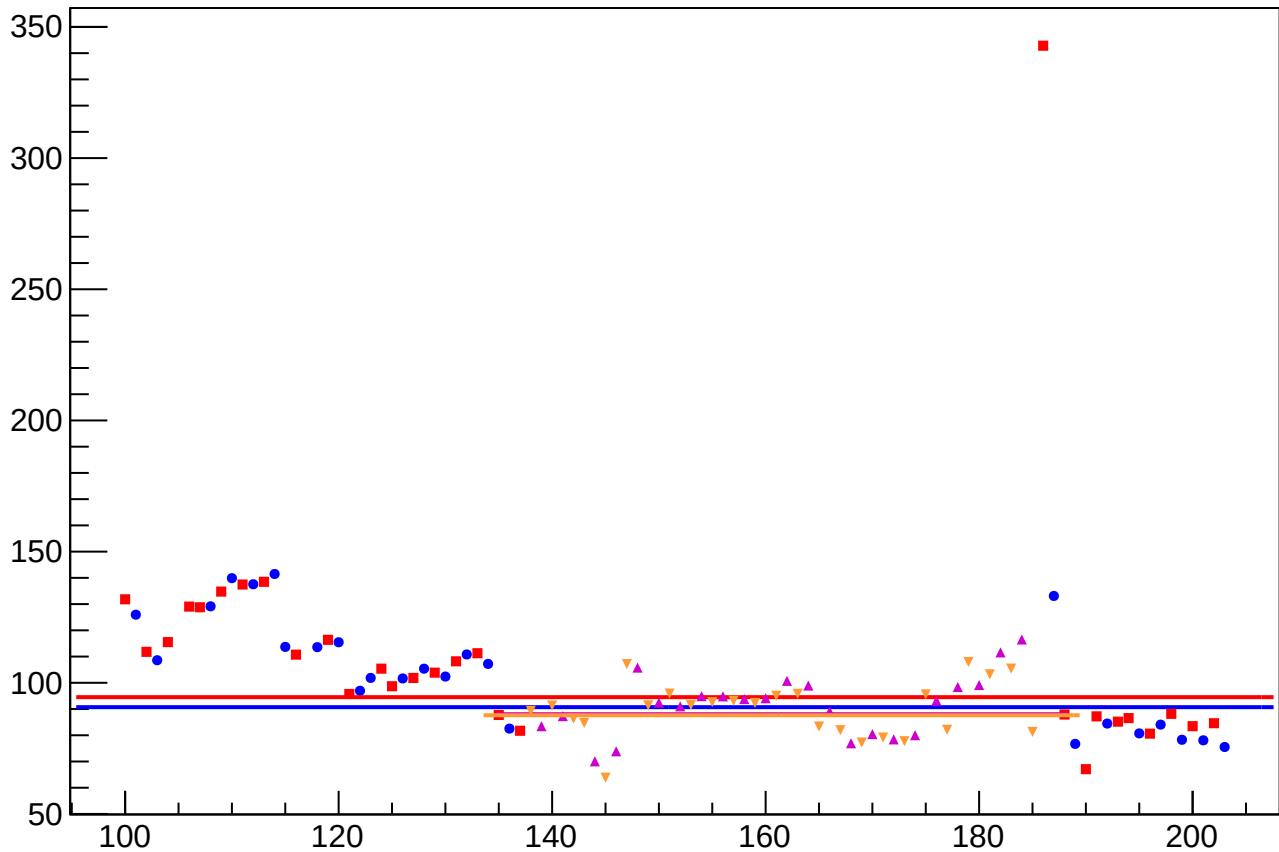
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -3.917 ± 16.265 $\chi^2/\text{NDF}: 69.0/49$

All: -1.115 ± 11.605 $\chi^2/\text{NDF}: 124.7/101$

- sign 1.789 ± 16.563 $\chi^2/\text{NDF}: 55.7/51$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 90.712 $\pm$ 0.019 χ^2 /NDF: 838291.7/24

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 94.529 $\pm$ 0.019 χ^2 /NDF: 1173079.9/28

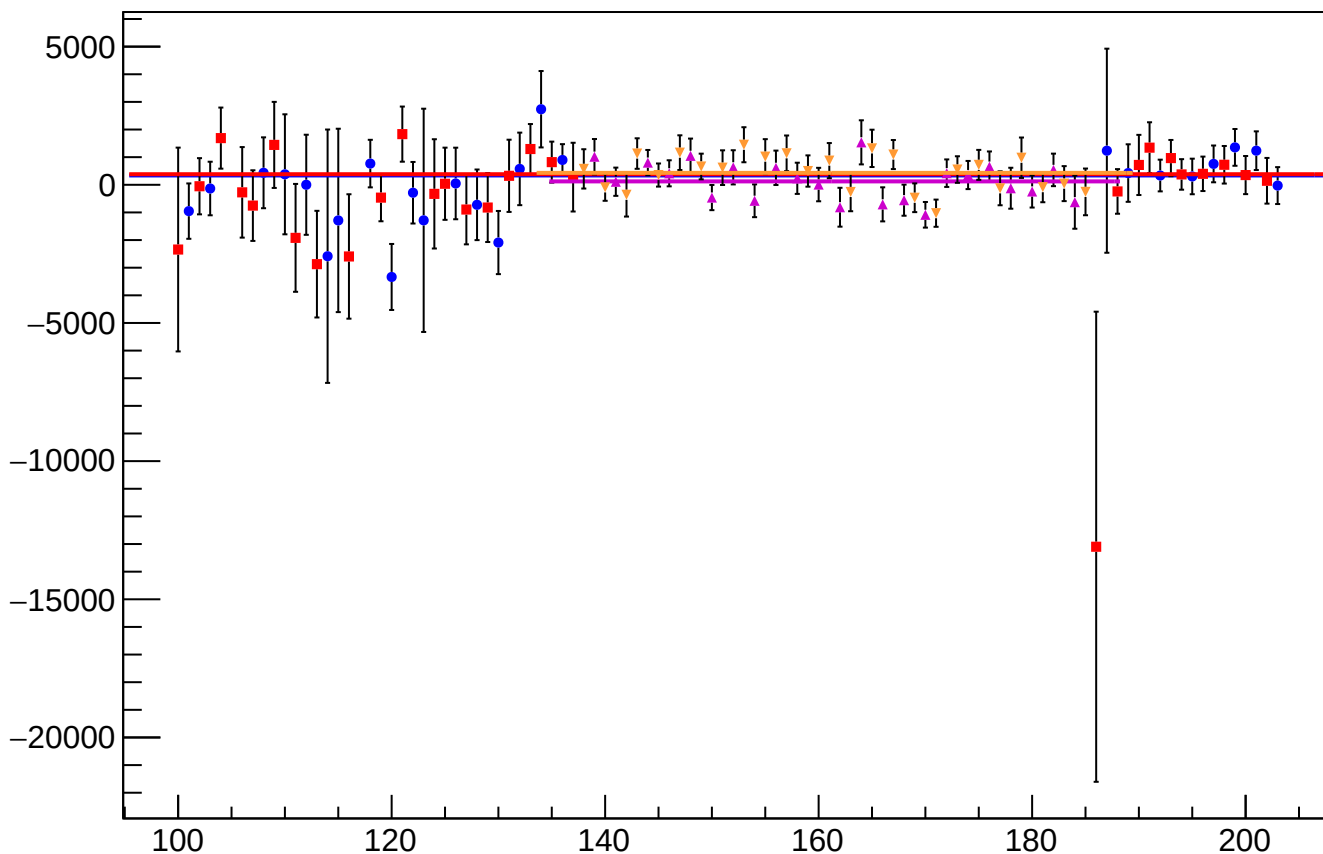
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 88.784 $\pm$ 0.012 χ^2 /NDF: 1409864.1/49

All: 89.670 $\pm$ 0.008 χ^2 /NDF: 3192199.9/101

- sign 90.590 $\pm$ 0.012 χ^2 /NDF: 1770233.7/51

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 338.400 ± 190.263 χ^2/NDF : 26.8/24

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 382.799 ± 181.904 χ^2/NDF : 21.6/28

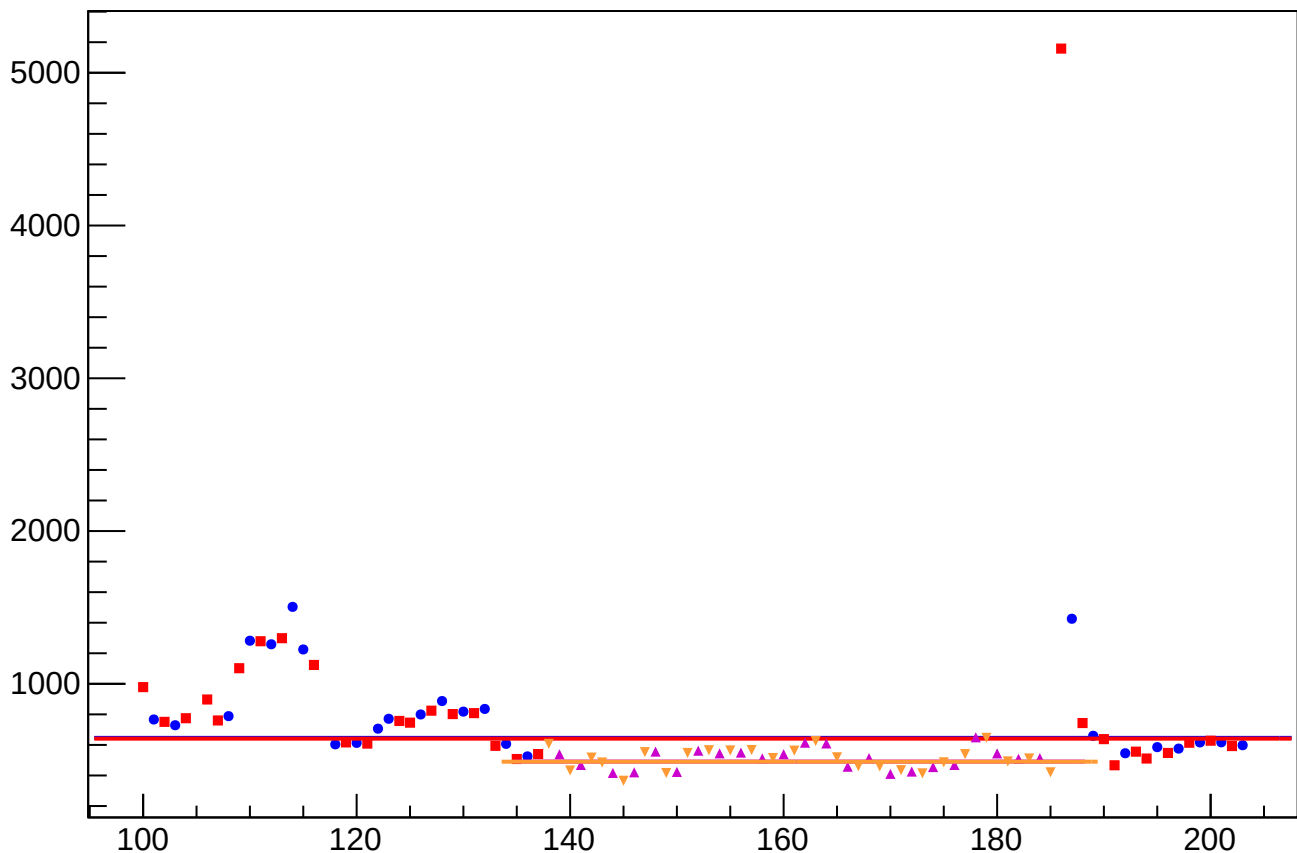
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 406.480 ± 98.860 χ^2/NDF : 57.4/49

All: 304.267 ± 70.128 χ^2/NDF : 111.8/101

- sign 200.736 ± 99.495 χ^2/NDF : 52.3/51

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 646.179 $\pm$ 0.135 χ^2 /NDF: 1099566.8/24

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 641.141 $\pm$ 0.129 χ^2 /NDF: 1931892.3/28

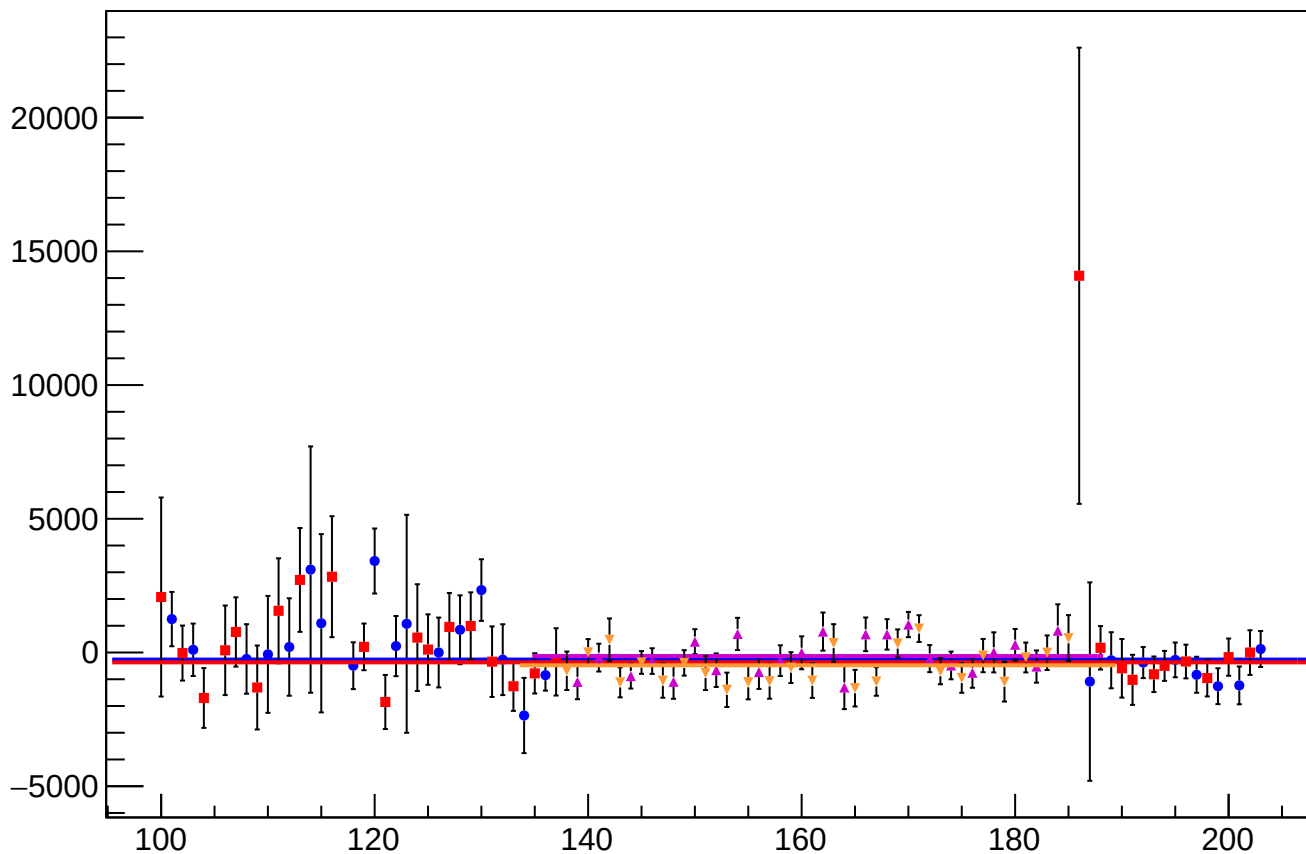
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 532.360 $\pm$ 0.070 χ^2 /NDF: 2830269.9/49

All: 534.096 $\pm$ 0.050 χ^2 /NDF: 6308679.7/100

- sign 535.854 $\pm$ 0.070 χ^2 /NDF: 3477168.6/51

asym_sam_26_48_dd_mean vs Slug



Right In: -263.740 ± 192.332 χ^2/NDF : 27.0/24

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -368.302 ± 184.108 χ^2/NDF : 20.4/28

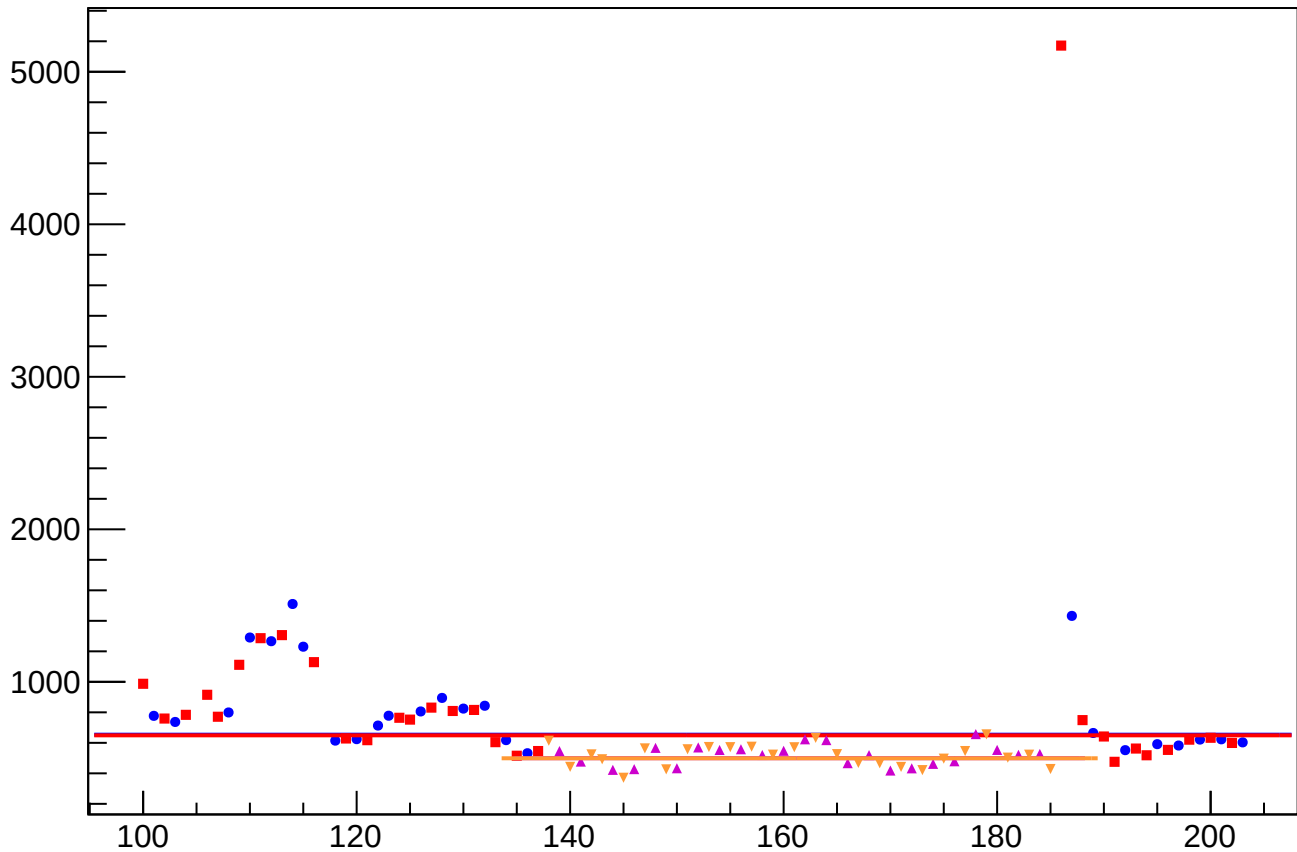
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -419.795 ± 100.368 χ^2/NDF : 55.7/49

All: -312.392 ± 71.207 χ^2/NDF : 109.2/101

- sign -203.549 ± 101.038 χ^2/NDF : 51.1/51

asym_sam_26_48_dd_rms vs Slug



Right In: 653.411+/-0.136 χ^2/NDF : 1088508.0/24

Left Out: 498.754+/-0.083 χ^2/NDF : 734302.8/24

Right Out: 649.235+/-0.130 χ^2/NDF : 1909762.1/28

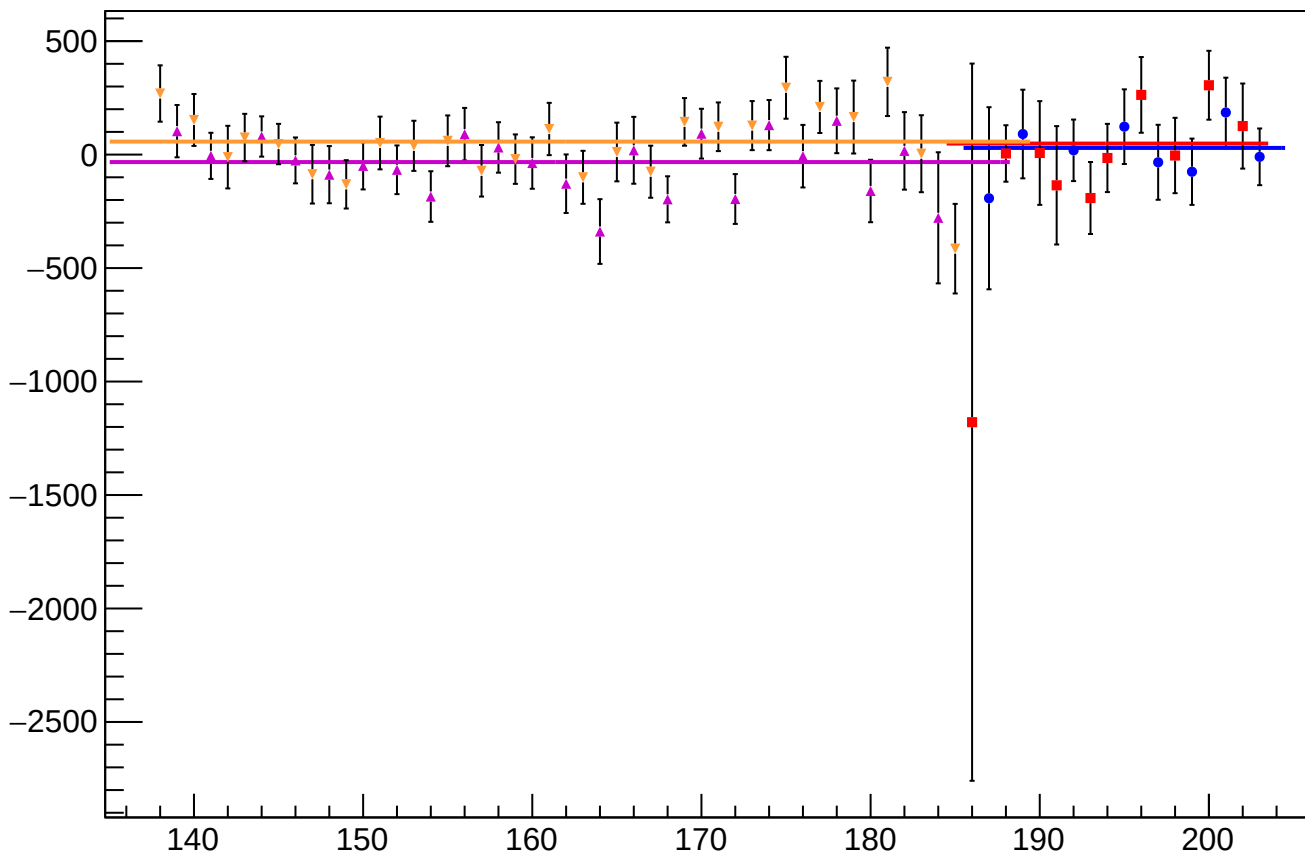
Left In: 499.393+/-0.085 χ^2/NDF : 576539.2/22

+ sign 540.871+/-0.071 χ^2/NDF : 2763833.6/49

All: 542.684+/-0.050 χ^2/NDF : 6177247.7/103

- sign 544.523+/-0.071 χ^2/NDF : 3412099.2/51

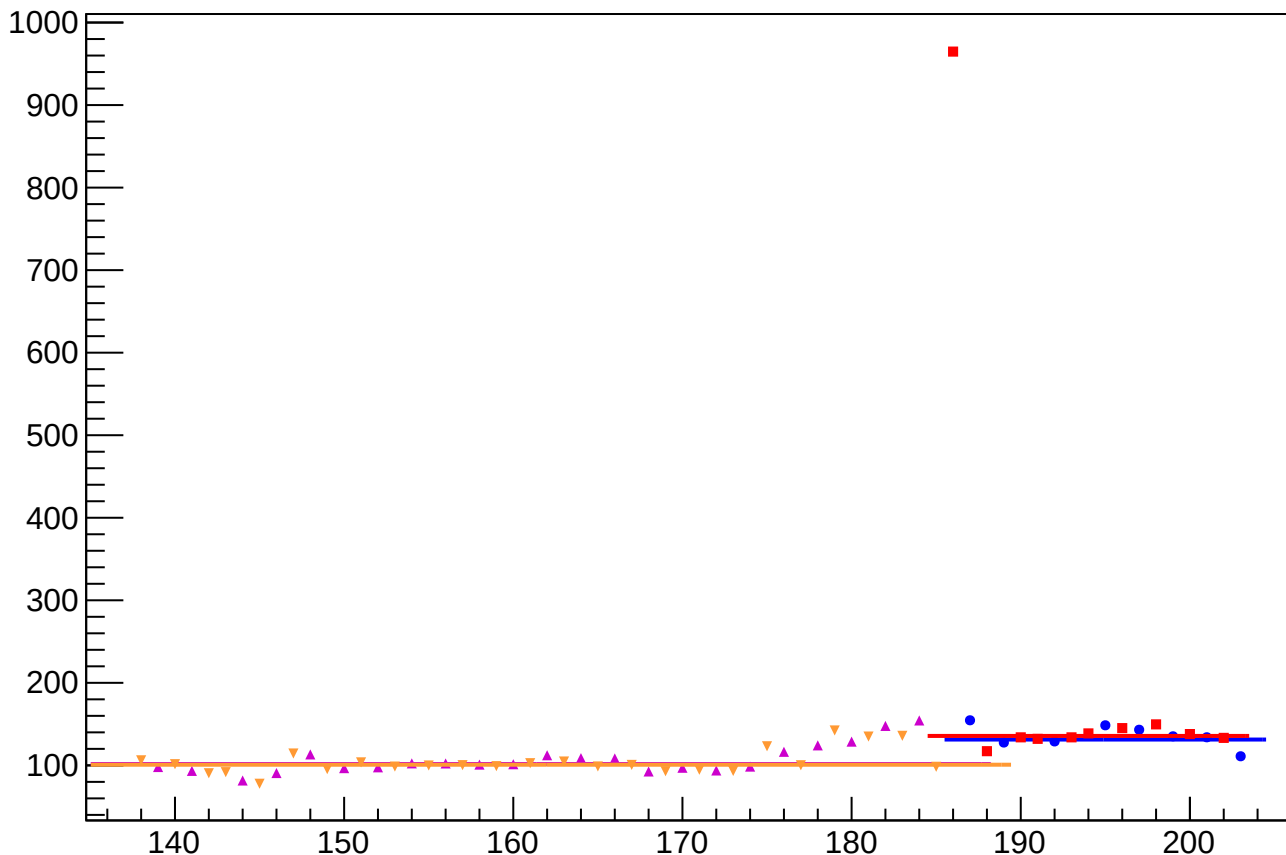
reg_asym_sam_1548_avg_mean vs Slug



Right In: 29.413 ± 56.437 $\chi^2/\text{NDF}: 2.5/7$
 Left Out: 57.211 ± 23.714 $\chi^2/\text{NDF}: 29.2/24$
 Right Out: 48.596 ± 55.308 $\chi^2/\text{NDF}: 8.5/9$
 Left In: -32.948 ± 24.587 $\chi^2/\text{NDF}: 23.6/22$

+ sign 53.039 ± 21.862 $\chi^2/\text{NDF}: 31.9/32$
 All: 17.763 ± 15.668 $\chi^2/\text{NDF}: 71.2/65$
 - sign -19.492 ± 22.467 $\chi^2/\text{NDF}: 33.9/32$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 131.289 $\pm$ 0.040 χ^2 /NDF: 95061.1/7

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 135.672 $\pm$ 0.039 χ^2 /NDF: 617724.3/9

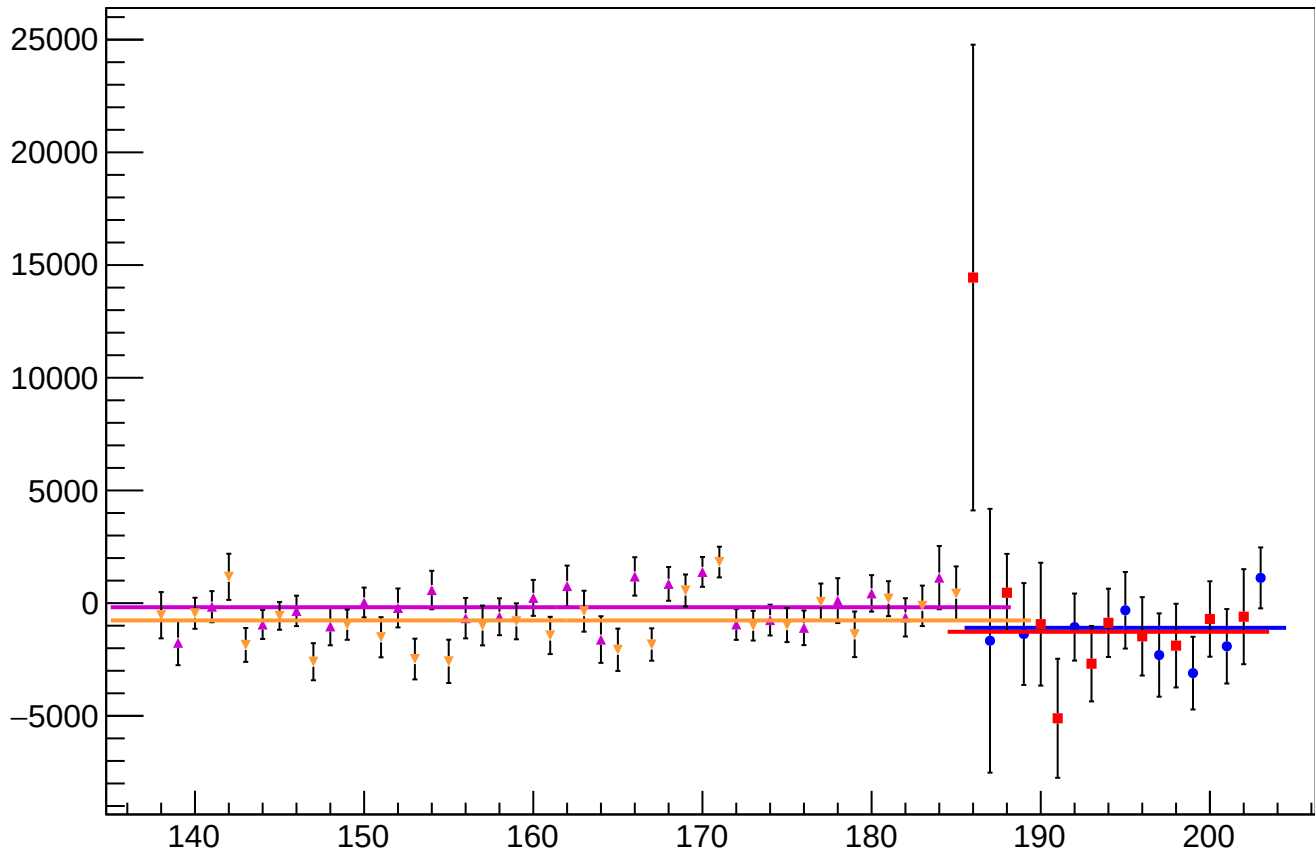
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.376 $\pm$ 0.015 χ^2 /NDF: 1191647.0/32

All: 106.283 $\pm$ 0.011 χ^2 /NDF: 3031725.5/65

- sign 107.240 $\pm$ 0.016 χ^2 /NDF: 1833000.1/32

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1094.817 ± 618.425 χ^2/NDF : 5.1/7

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1269.691 ± 617.638 χ^2/NDF : 6.6/9

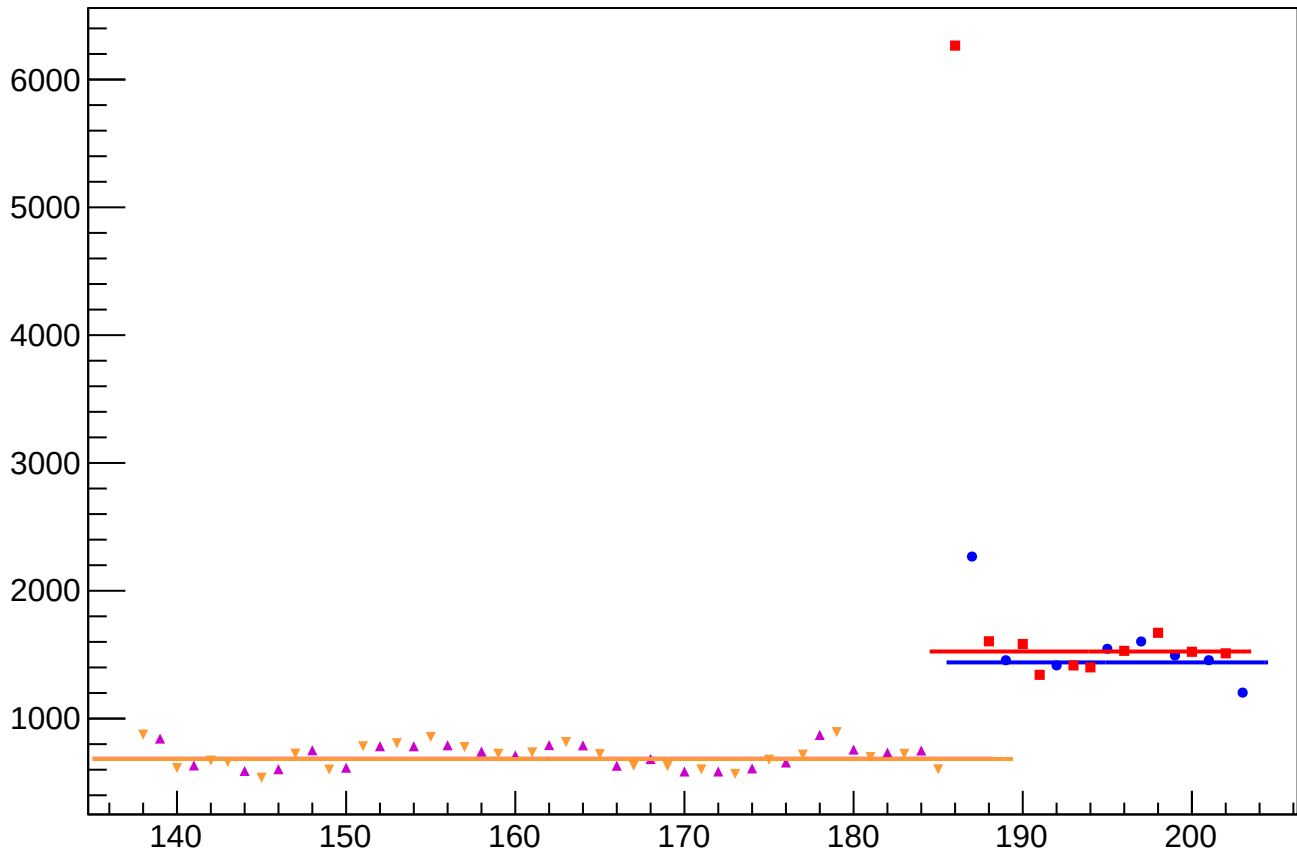
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -787.223 ± 155.867 χ^2/NDF : 52.0/32

All: -527.912 ± 111.652 χ^2/NDF : 92.1/65

- sign -254.617 ± 160.014 χ^2/NDF : 34.5/32

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1439.459 ± 0.437 $\chi^2/\text{NDF}: 127738.0/7$

Left Out: 683.884 ± 0.114 $\chi^2/\text{NDF}: 667158.2/24$

Right Out: 1524.873 ± 0.437 $\chi^2/\text{NDF}: 470353.0/9$

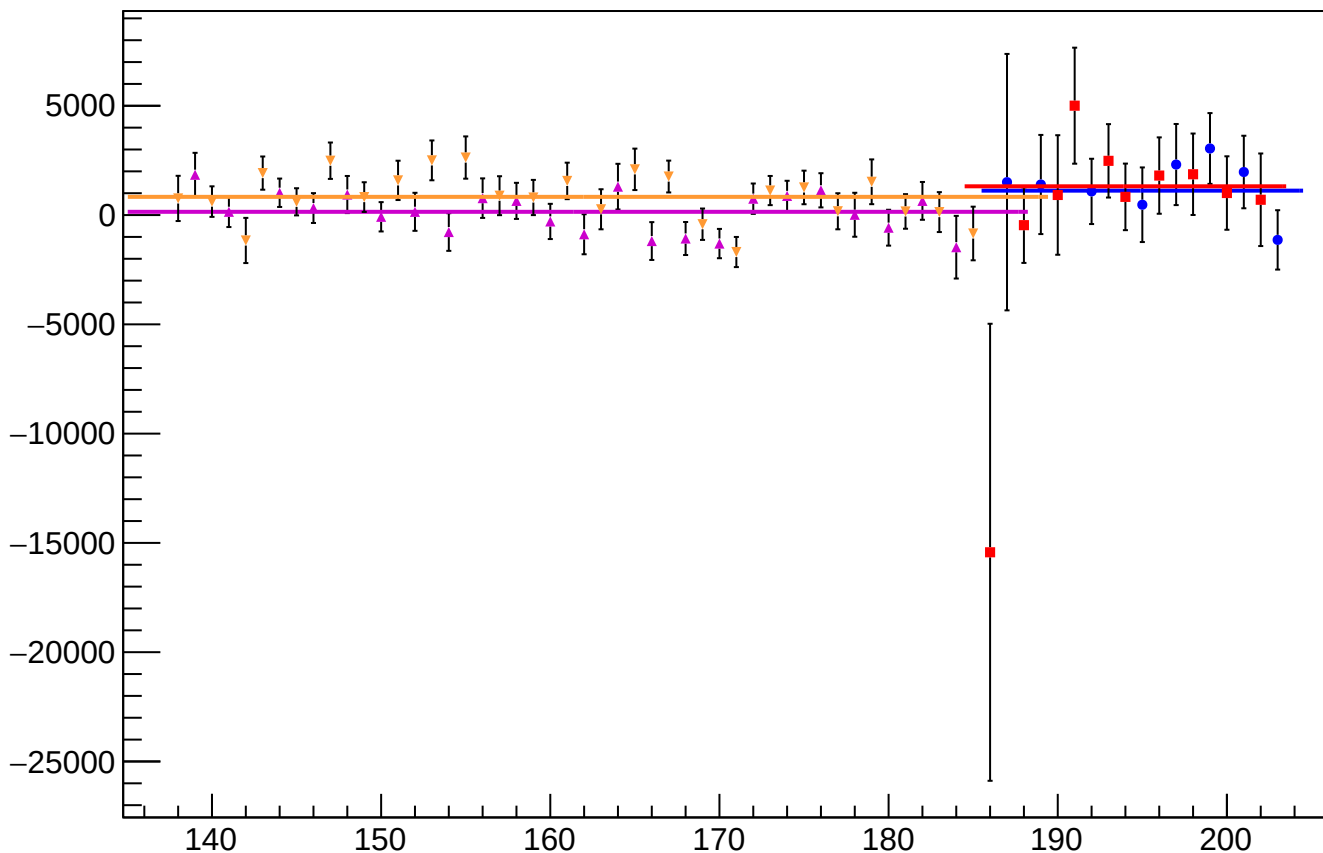
Left In: 685.593 ± 0.117 $\chi^2/\text{NDF}: 529353.6/22$

+ sign 731.881 ± 0.110 $\chi^2/\text{NDF}: 3590713.2/32$

All: 736.771 ± 0.079 $\chi^2/\text{NDF}: 8039564.5/65$

- sign 741.925 ± 0.113 $\chi^2/\text{NDF}: 4444807.8/32$

asym_sam_1548_avg_mean vs Slug



Right In: 1117.347 $\pm$ 621.144 χ^2 /NDF: 5.0/7

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 1315.870 $\pm$ 620.364 χ^2 /NDF: 6.4/9

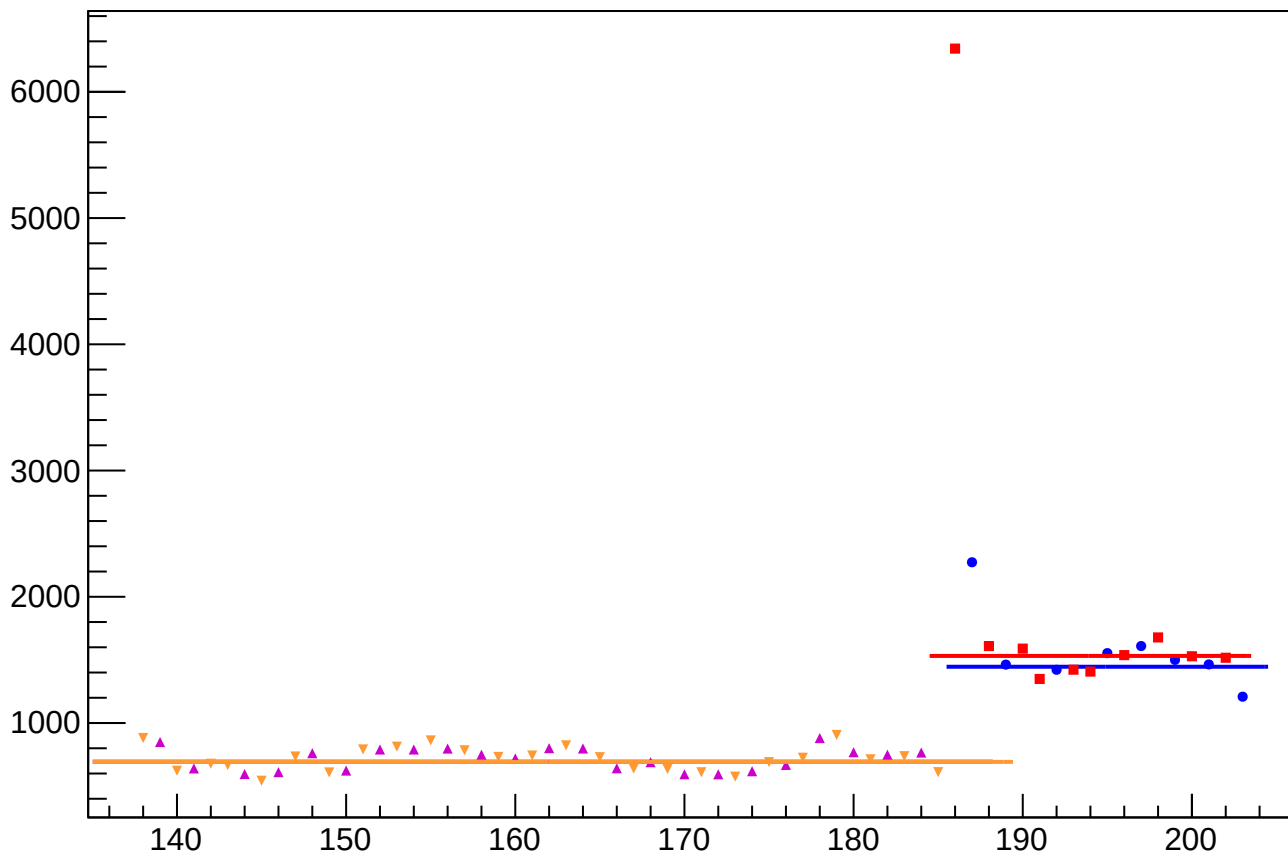
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 851.682 $\pm$ 157.630 χ^2 /NDF: 48.4/32

All: 548.173 $\pm$ 112.920 χ^2 /NDF: 91.8/65

- sign 228.240 $\pm$ 161.839 χ^2 /NDF: 35.8/32

asym_sam_1548_avg_rms vs Slug



Right In: 1445.827+/-0.439 χ^2/NDF : 127518.9/7

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1531.566+/-0.439 χ^2/NDF : 472028.2/9

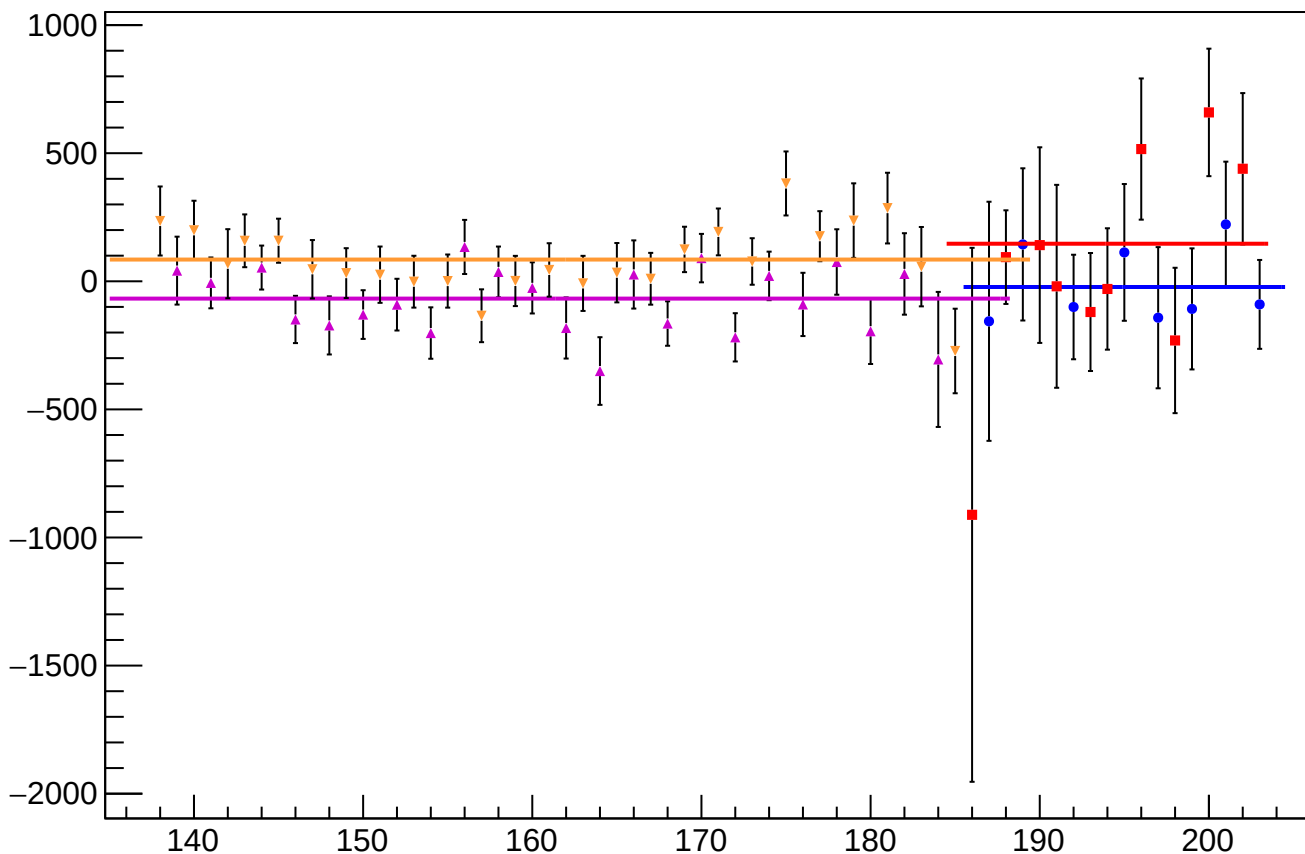
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 740.638+/-0.111 χ^2/NDF : 3540067.4/32

All: 745.623+/-0.080 χ^2/NDF : 7936873.2/65

- sign 750.878+/-0.114 χ^2/NDF : 4392696.5/32

reg_asym_sam_3748_avg_mean vs Slug



Right In: -22.252 ± 86.068 χ^2/NDF : 2.3/7

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 146.650 ± 86.394 χ^2/NDF : 12.0/9

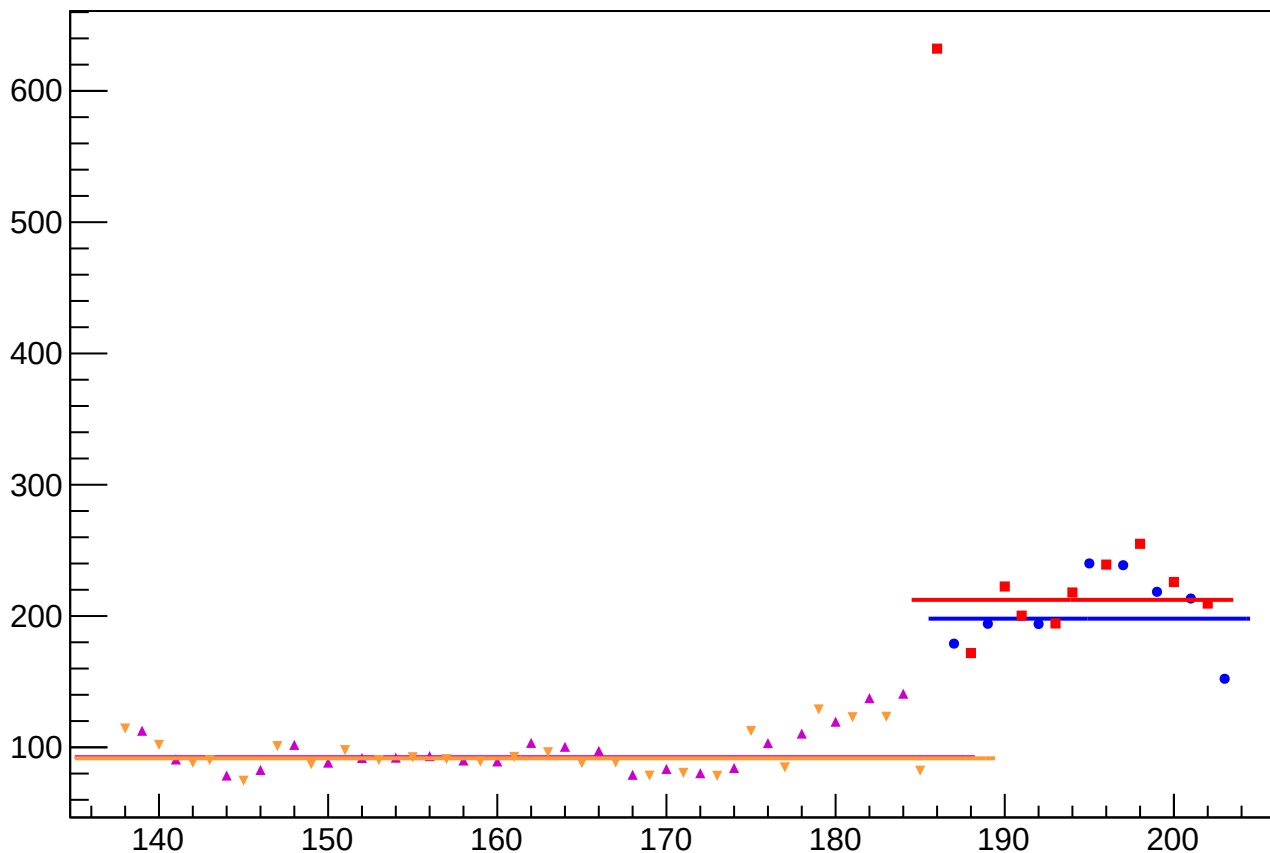
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 78.490 ± 20.989 χ^2/NDF : 32.2/32

All: 14.532 ± 15.096 χ^2/NDF : 98.0/65

- sign -54.004 ± 21.728 χ^2/NDF : 46.6/32

reg_asym_sam_3748_avg_rms vs Slug



Right In: 197.987 $\pm$ 0.061 χ^2 /NDF: 259885.3/7

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 212.312 $\pm$ 0.061 χ^2 /NDF: 509999.3/9

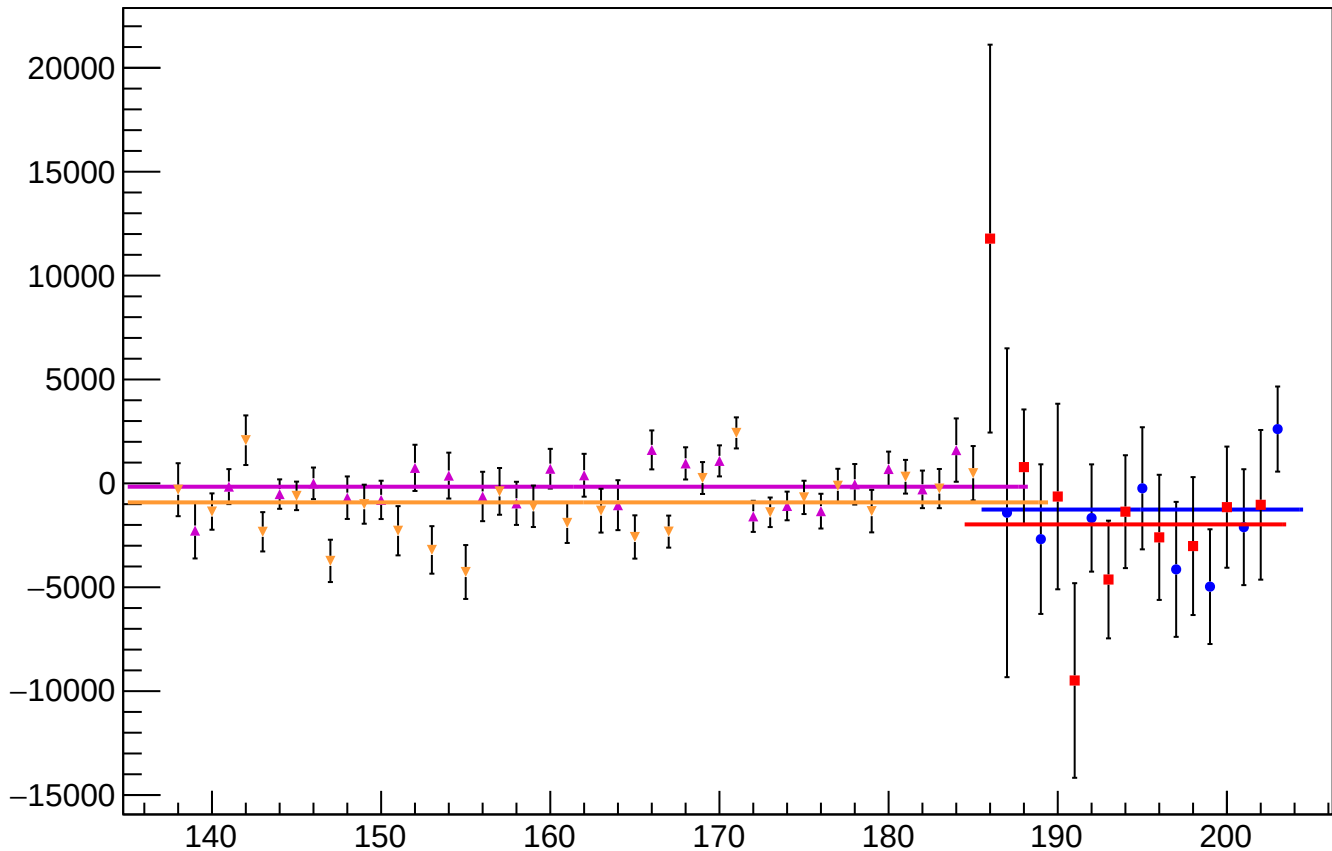
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 97.958 $\pm$ 0.015 χ^2 /NDF: 3825254.8/32

All: 98.966 $\pm$ 0.011 χ^2 /NDF: 8605796.8/65

- sign 100.046 $\pm$ 0.015 χ^2 /NDF: 4770984.2/32

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1259.739 ± 1024.970 χ^2/NDF : 6.6/7

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -1974.251 ± 1058.146 χ^2/NDF : 7.0/9

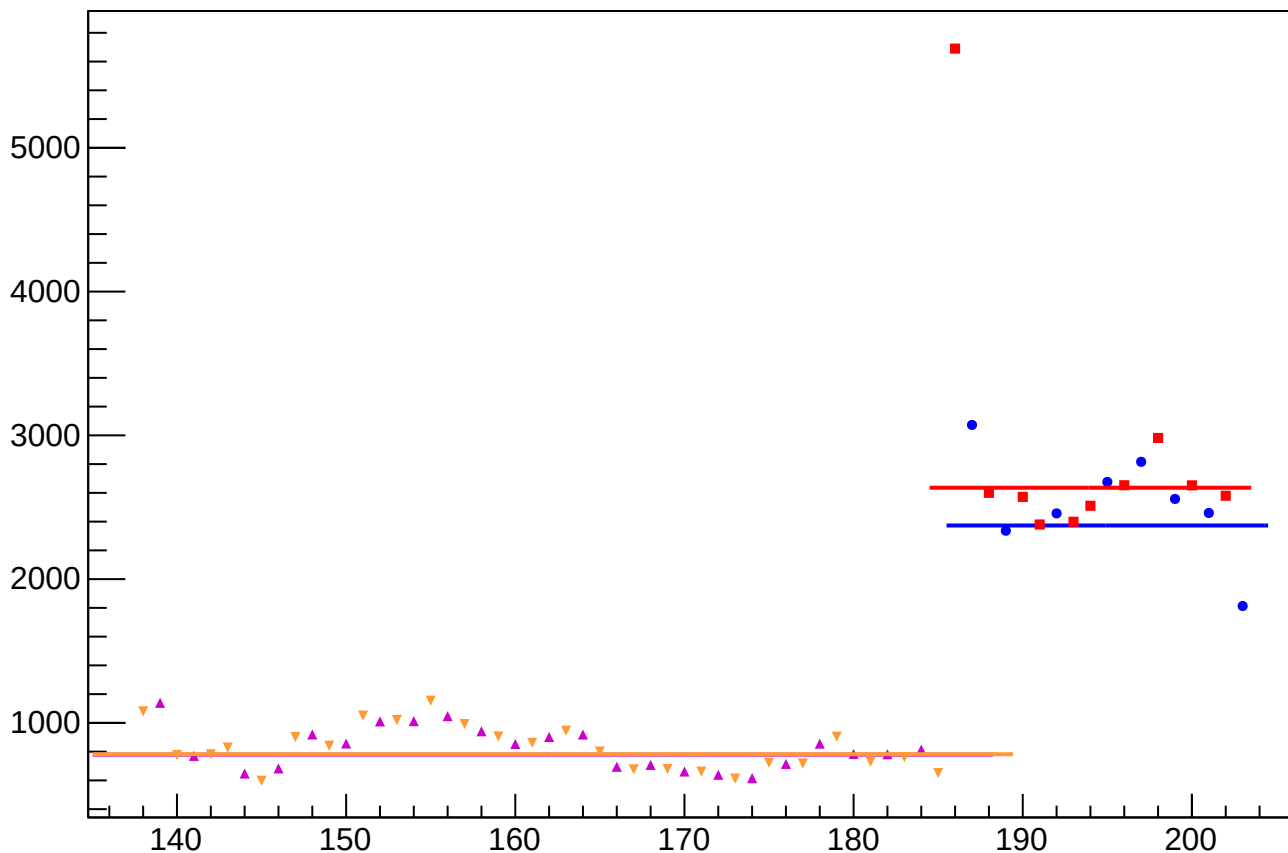
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -925.643 ± 182.383 χ^2/NDF : 70.8/32

All: -579.478 ± 130.403 χ^2/NDF : 113.2/65

- sign -217.416 ± 186.523 χ^2/NDF : 35.0/32

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2373.004 $\pm$ 0.725 χ^2 /NDF: 236742.9/7

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2635.735 $\pm$ 0.748 χ^2 /NDF: 261463.2/9

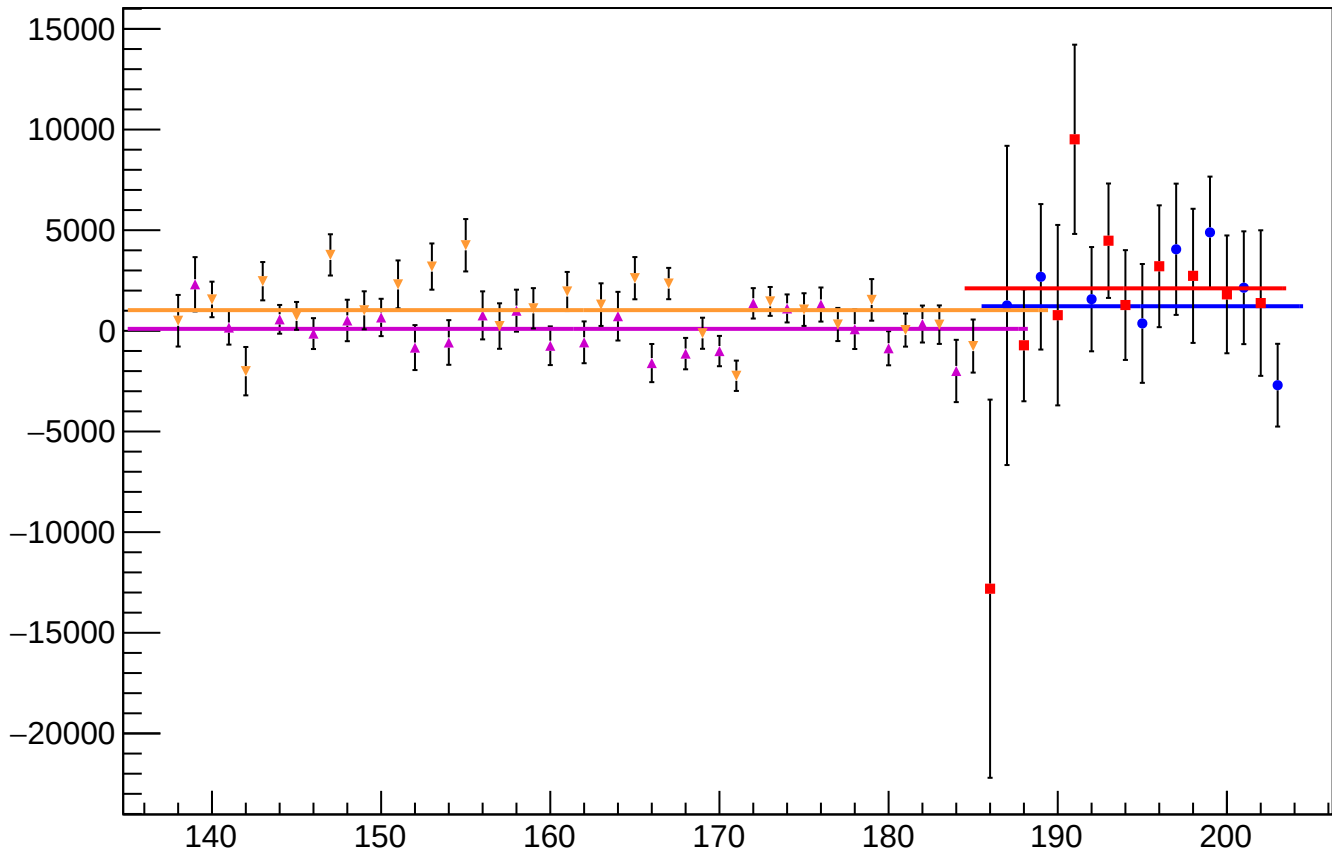
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 832.416 $\pm$ 0.129 χ^2 /NDF: 6033831.1/32

All: 834.504 $\pm$ 0.092 χ^2 /NDF: 13242743.7/65

- sign 836.688 $\pm$ 0.132 χ^2 /NDF: 7208376.2/32

asym_sam_3748_avg_mean vs Slug



Right In: 1222.483 $\pm$ 1028.904 χ^2/NDF : 6.5/7

Left Out: 1028.864 $\pm$ 186.810 χ^2/NDF : 60.2/24

Right Out: 2111.623 $\pm$ 1062.103 χ^2/NDF : 7.1/9

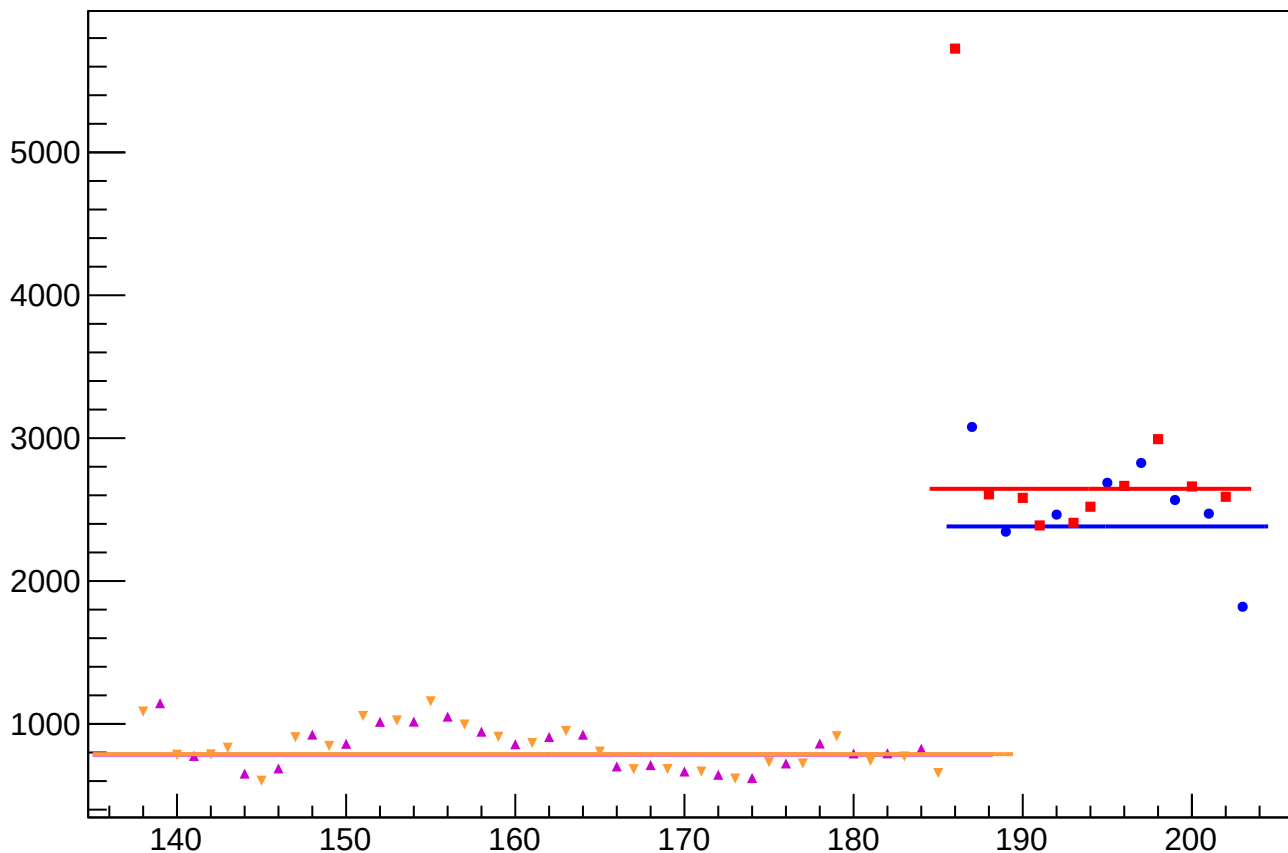
Left In: 98.691 $\pm$ 191.027 χ^2/NDF : 25.4/22

+ sign 1035.043 $\pm$ 183.805 χ^2/NDF : 66.7/32

All: 608.280 $\pm$ 131.431 χ^2/NDF : 113.7/65

- sign 161.766 $\pm$ 188.010 χ^2/NDF : 36.0/32

asym_sam_3748_avg_rms vs Slug



Right In: 2382.123+/-0.728 χ^2/NDF : 236719.8/7

Left Out: 788.442+/-0.132 χ^2/NDF :1113741.6/24

Right Out: 2645.511+/-0.751 χ^2/NDF : 262523.5/9

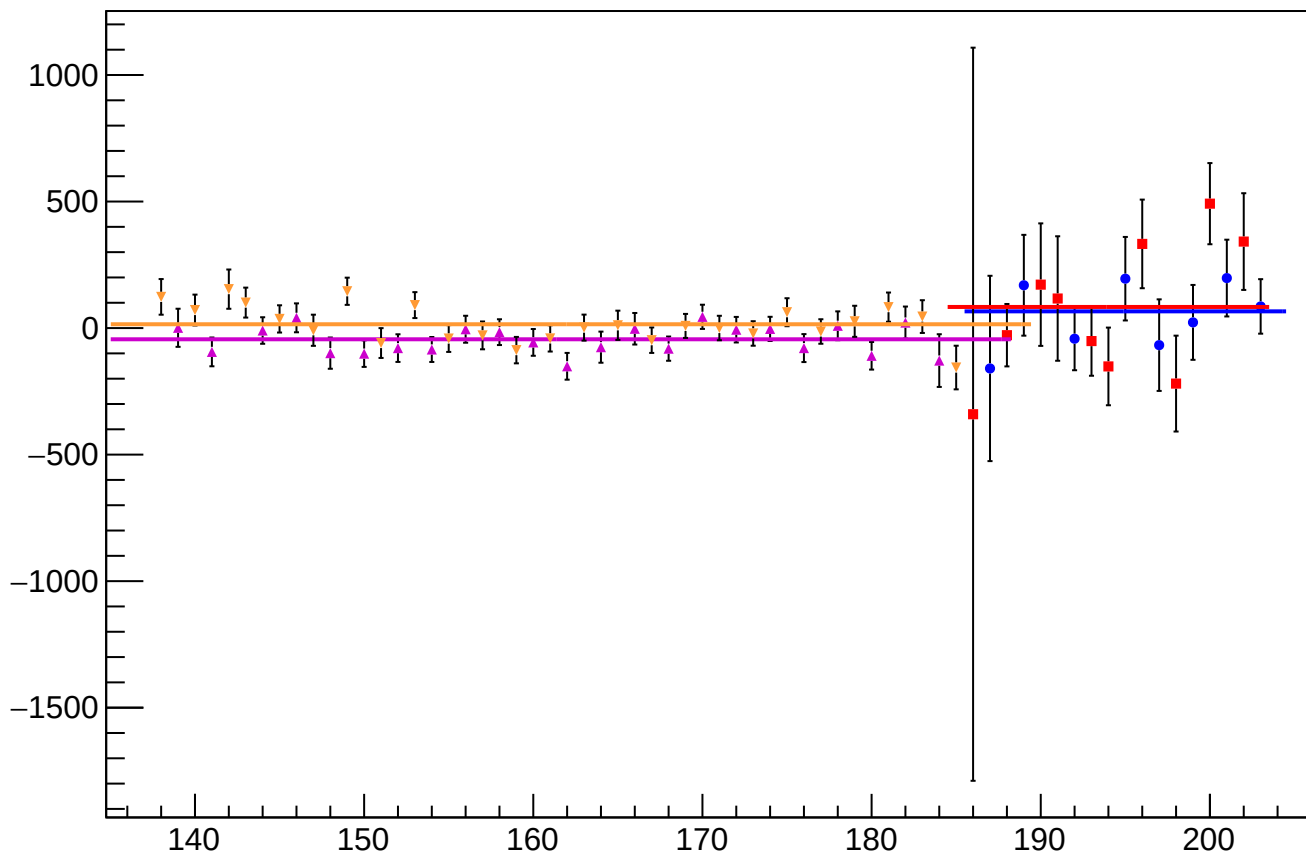
Left In: 785.490+/-0.135 χ^2/NDF :965338.9/22

+ sign 839.301+/-0.130 χ^2/NDF : 5995585.8/32

All: 841.487+/-0.093 χ^2/NDF : 13165661.6/65

- sign 843.774+/-0.133 χ^2/NDF : 7169496.9/32

reg_asym_sam_1526_avg_mean vs Slug



Right In: 66.089 $\pm$ 54.241 χ^2 /NDF: 3.4/7

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: 83.441 $\pm$ 55.697 χ^2 /NDF: 17.3/9

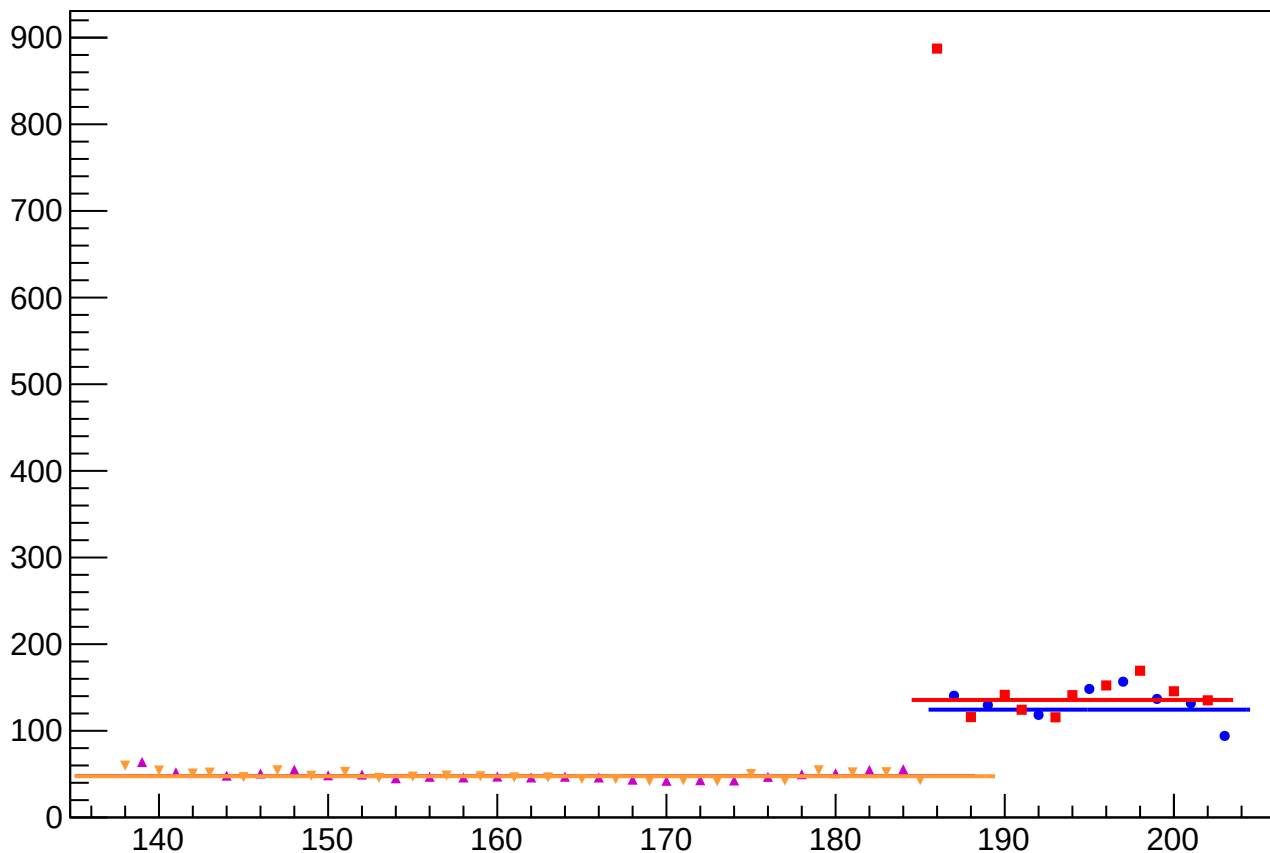
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 17.168 $\pm$ 10.926 χ^2 /NDF: 38.5/32

All: -10.018 $\pm$ 7.851 χ^2 /NDF: 95.9/65

- sign -39.048 $\pm$ 11.290 χ^2 /NDF: 44.6/32

reg_asym_sam_1526_avg_rms vs Slug



Right In: 124.412 $\pm$ 0.038 χ^2 /NDF: 292771.6/7

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 135.618 $\pm$ 0.039 χ^2 /NDF: 730448.0/9

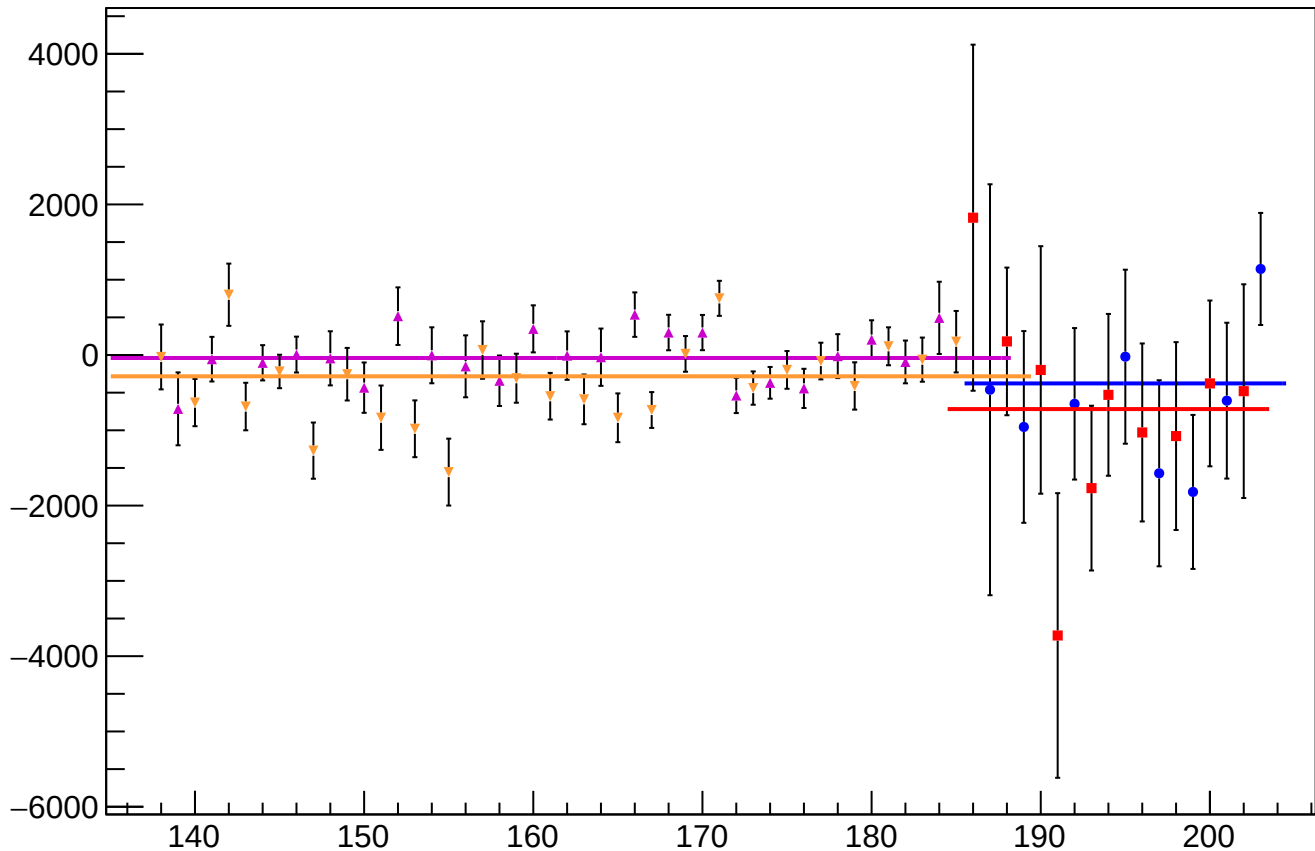
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 50.703 $\pm$ 0.008 χ^2 /NDF: 4455086.7/32

All: 51.066 $\pm$ 0.006 χ^2 /NDF: 10234631.7/65

- sign 51.453 $\pm$ 0.008 χ^2 /NDF: 5774993.7/32

asym_sam_1526_avg_correction_mean vs Slug



Right In: -377.264 $\pm$ 382.460 χ^2 /NDF: 7.5/7

Left Out: -282.798 $\pm$ 59.690 χ^2 /NDF: 66.5/24

Right Out: -718.033 $\pm$ 399.678 χ^2 /NDF: 5.9/9

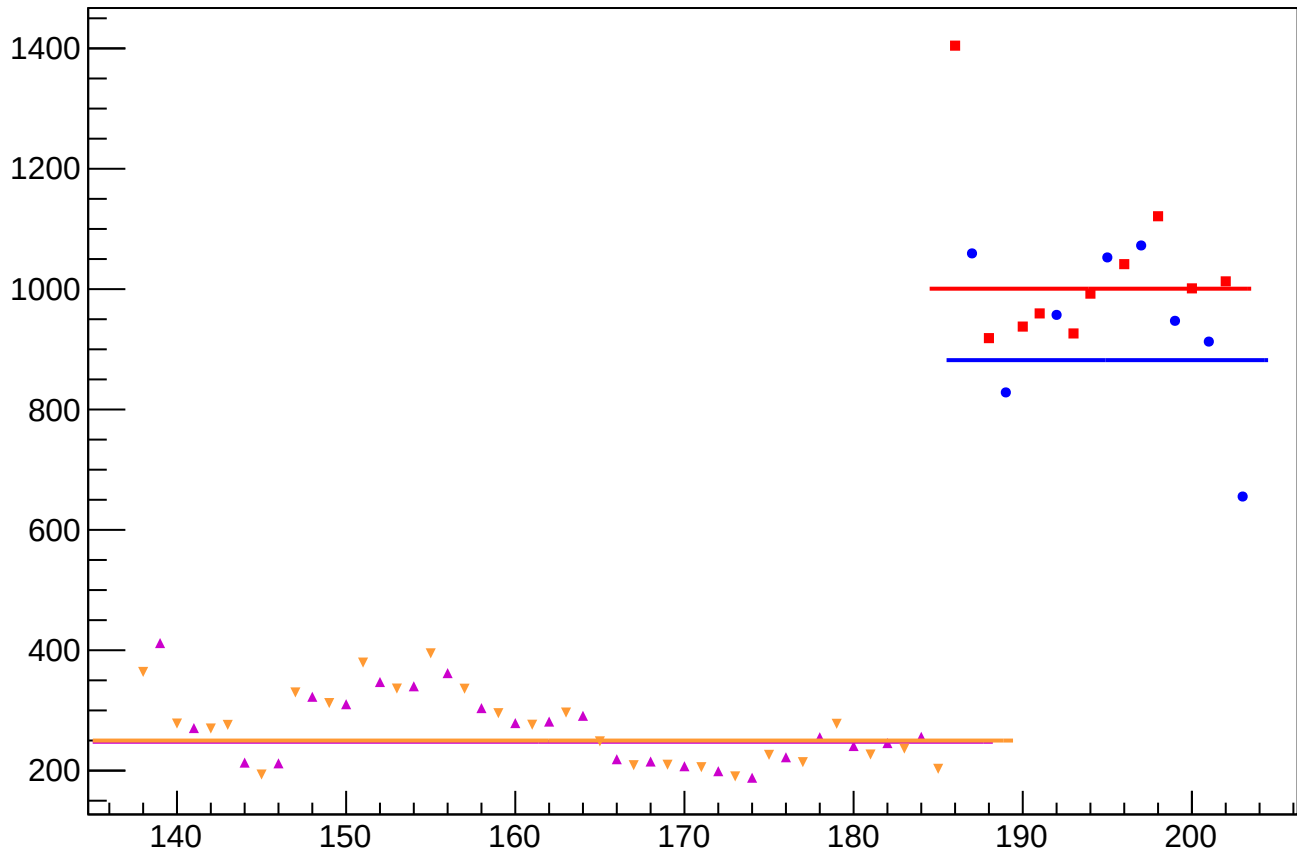
Left In: -39.432 $\pm$ 60.759 χ^2 /NDF: 27.5/22

+ sign -285.045 $\pm$ 58.976 χ^2 /NDF: 74.1/32

All: -172.016 $\pm$ 42.083 χ^2 /NDF: 117.9/65

- sign -54.760 $\pm$ 60.069 χ^2 /NDF: 36.3/32

asym_sam_1526_avg_correction_rms vs Slug



Right In: 882.022 ± 0.270 $\chi^2/\text{NDF}: 309561.2/7$

Left Out: 249.956 ± 0.042 $\chi^2/\text{NDF}: 1614205.9/24$

Right Out: 1000.735 ± 0.283 $\chi^2/\text{NDF}: 110166.7/9$

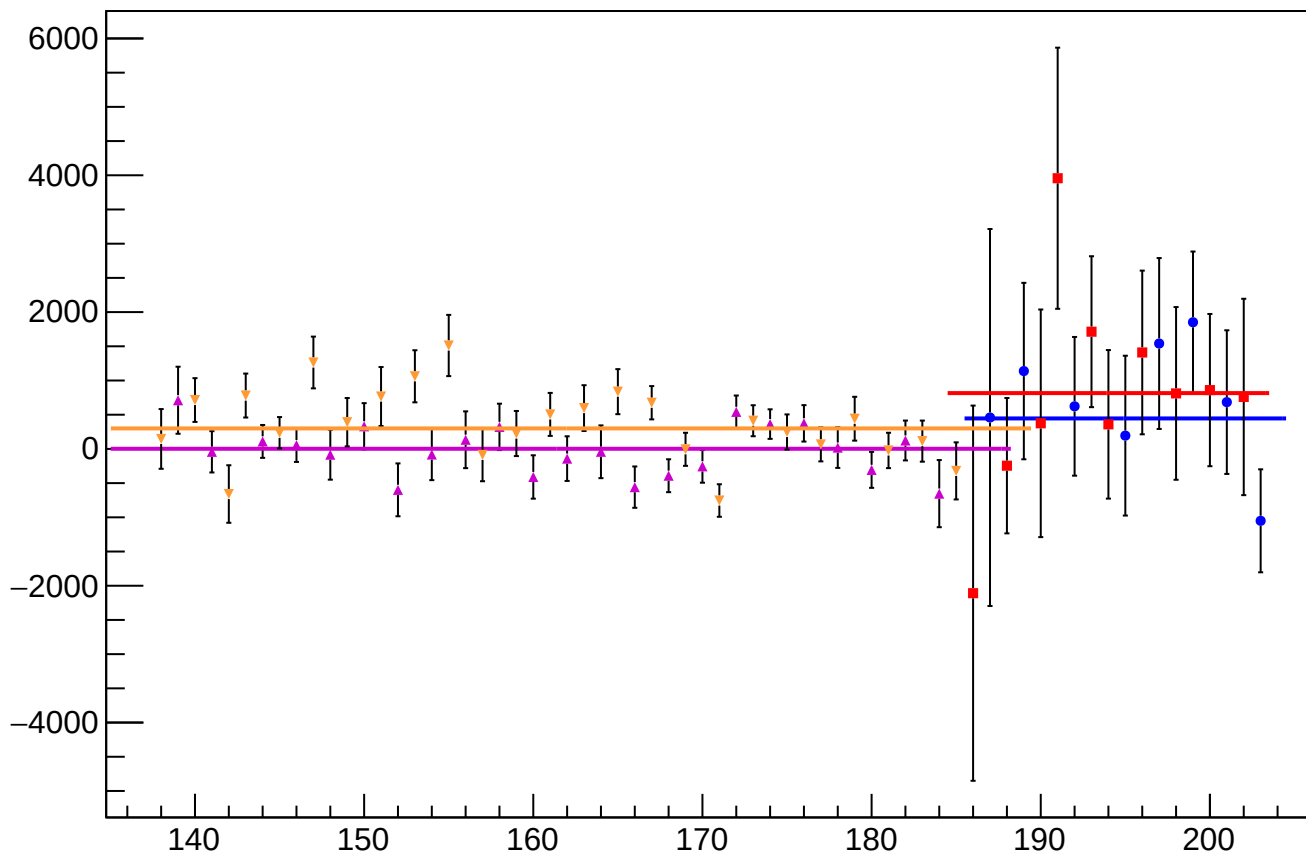
Left In: 247.917 ± 0.043 $\chi^2/\text{NDF}: 1410847.5/22$

+ sign 264.986 ± 0.042 $\chi^2/\text{NDF}: 7256268.8/32$

All: 264.954 ± 0.030 $\chi^2/\text{NDF}: 15712611.2/65$

- sign 264.921 ± 0.042 $\chi^2/\text{NDF}: 8456341.2/32$

asym_sam_1526_avg_mean vs Slug



Right In: 445.473 ± 386.687 $\chi^2/\text{NDF}: 7.0/7$

Left Out: 299.562 ± 60.860 $\chi^2/\text{NDF}: 62.5/24$

Right Out: 815.920 ± 405.557 $\chi^2/\text{NDF}: 6.2/9$

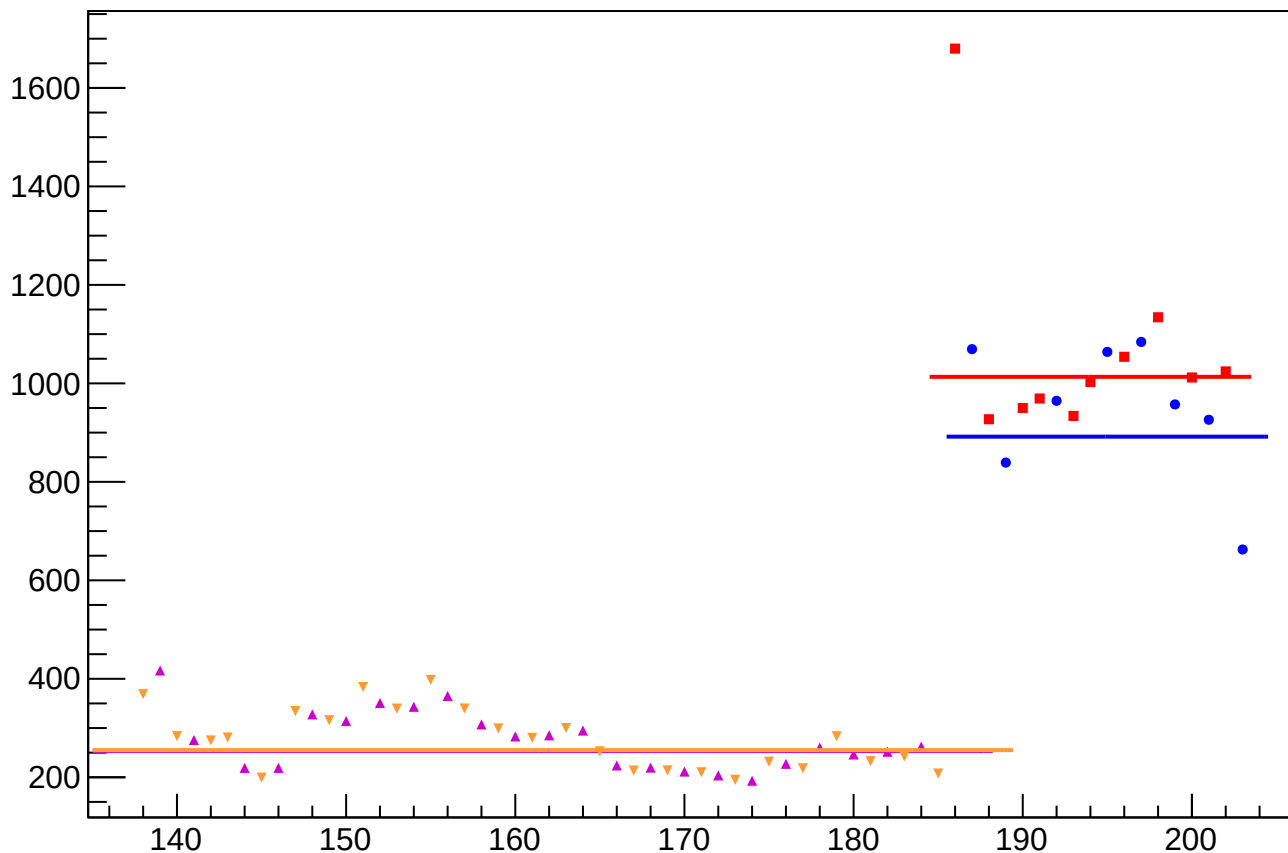
Left In: 2.185 ± 62.005 $\chi^2/\text{NDF}: 29.2/22$

+ sign 303.089 ± 60.120 $\chi^2/\text{NDF}: 69.6/32$

All: 164.658 ± 42.920 $\chi^2/\text{NDF}: 119.7/65$

- sign 20.772 ± 61.293 $\chi^2/\text{NDF}: 39.3/32$

asym_sam_1526_avg_rms vs Slug



Right In: 891.806 $\pm$ 0.273 χ^2 /NDF: 308375.7/7

Left Out: 255.135 $\pm$ 0.043 χ^2 /NDF: 1542039.5/24

Right Out: 1013.296 $\pm$ 0.287 χ^2 /NDF: 168622.5/9

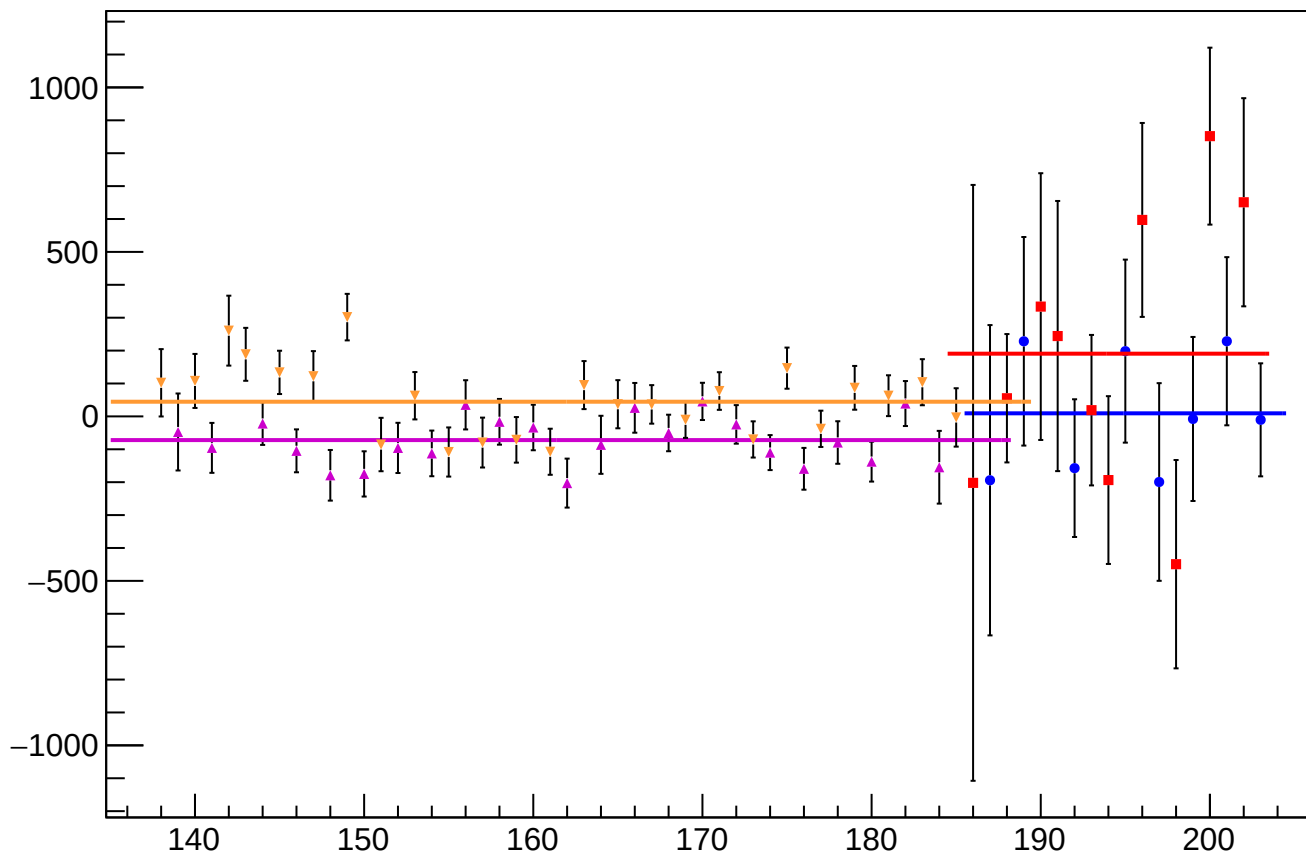
Left In: 253.287 $\pm$ 0.044 χ^2 /NDF: 1341662.3/22

+ sign 270.525 $\pm$ 0.043 χ^2 /NDF: 7141124.8/32

All: 270.585 $\pm$ 0.030 χ^2 /NDF: 15514650.4/65

- sign 270.647 $\pm$ 0.043 χ^2 /NDF: 8373521.6/32

reg_asym_sam_3726_avg_mean vs Slug



Right In: 9.321 $\pm$ 88.892 χ^2/NDF : 3.0/7

Left Out: 44.602 $\pm$ 13.824 χ^2/NDF :53.9/24

Right Out: 190.624 $\pm$ 91.555 χ^2/NDF : 17.8/9

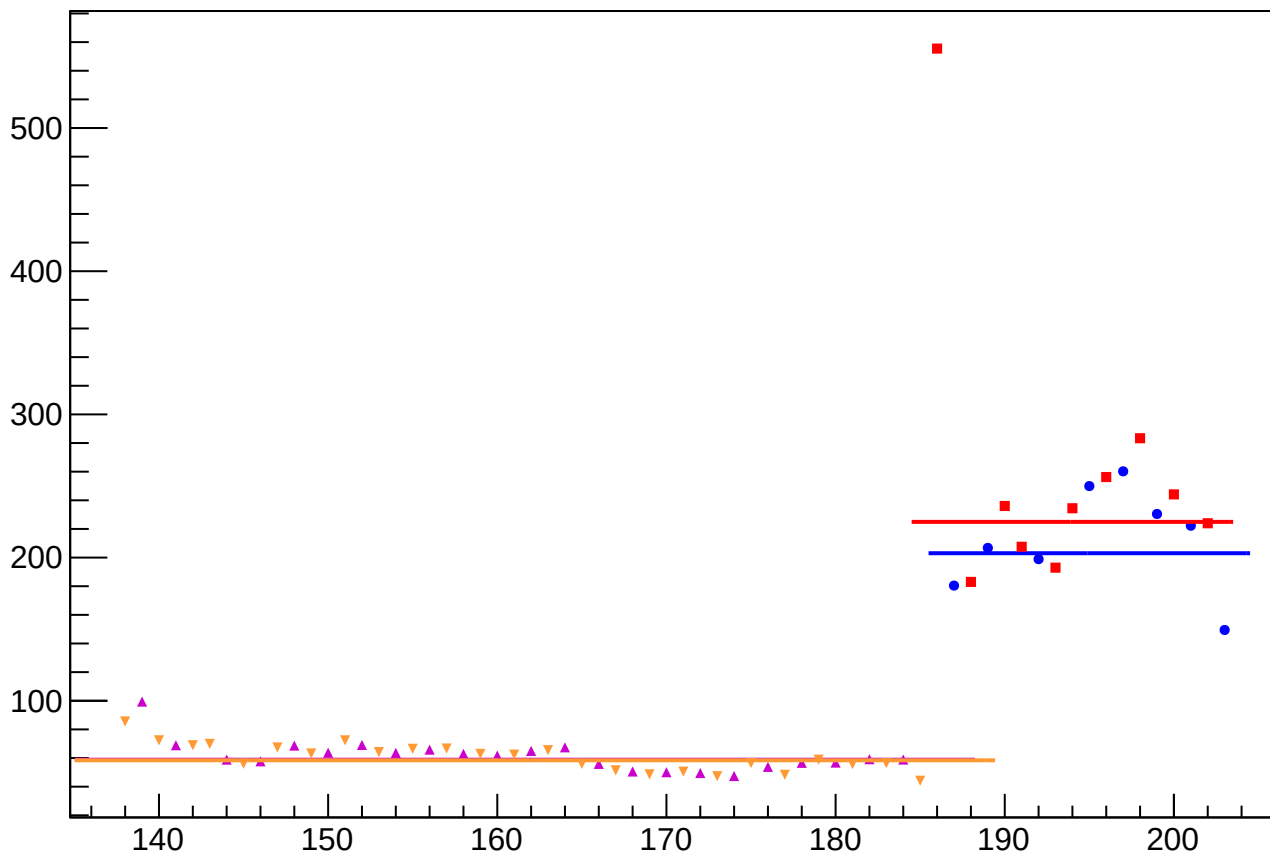
Left In: -72.037 $\pm$ 14.296 χ^2/NDF :25.3/22

+ sign 43.769 $\pm$ 13.660 χ^2/NDF : 57.1/32

All: -9.175 $\pm$ 9.819 χ^2/NDF : 139.3/65

- sign -65.785 $\pm$ 14.125 χ^2/NDF : 51.1/32

reg_asym_sam_3726_avg_rms vs Slug



Right In: 203.042 $\pm$ 0.063 χ^2 /NDF: 365213.5/7

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 224.933 $\pm$ 0.065 χ^2 /NDF: 506548.3/9

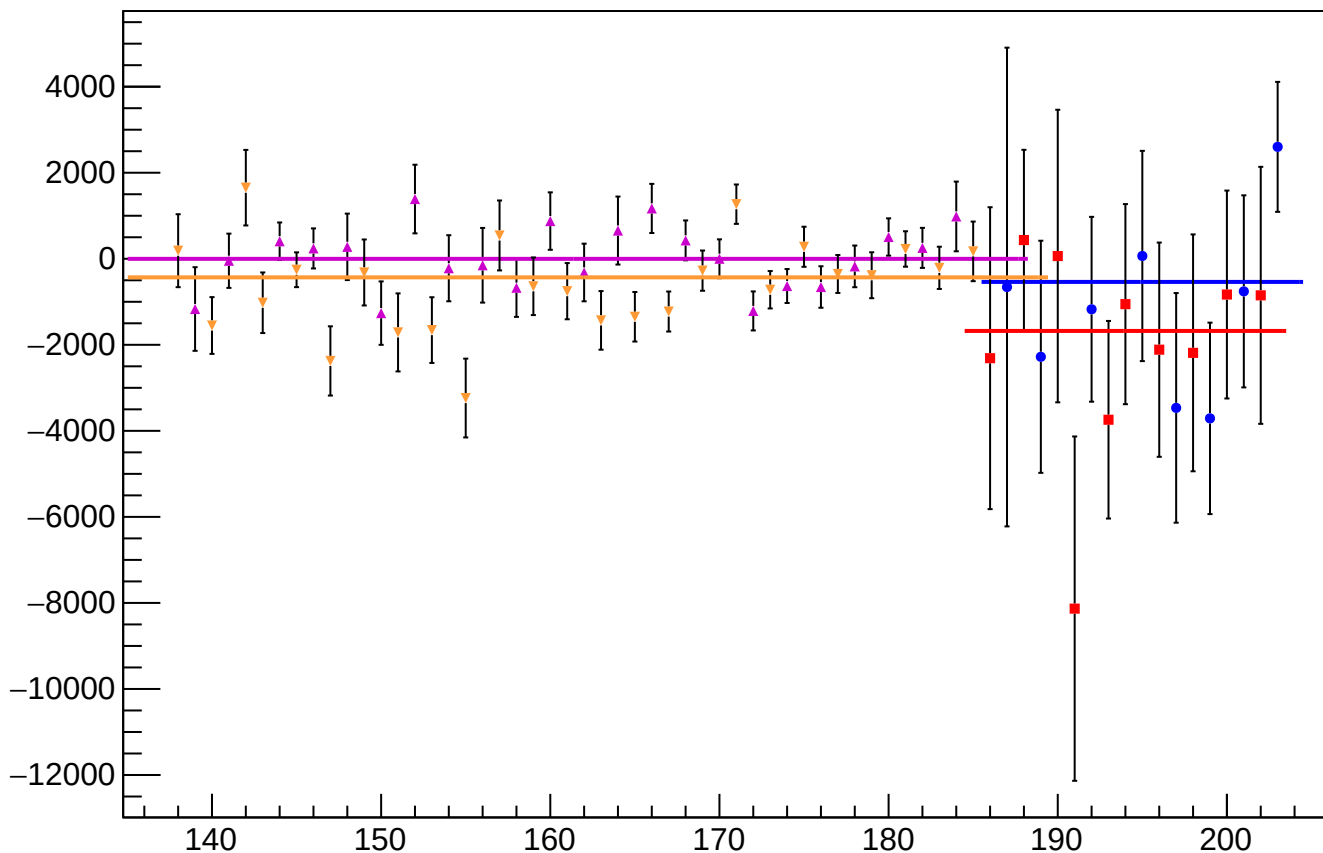
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 61.838 $\pm$ 0.010 χ^2 /NDF: 6323968.9/32

All: 62.300 $\pm$ 0.007 χ^2 /NDF: 13940707.9/65

- sign 62.793 $\pm$ 0.010 χ^2 /NDF: 7612012.4/32

asym_sam_3726_avg_correction_mean vs Slug



Right In: -537.918+/-807.139 χ^2/NDF : 8.1/7

Left Out: -432.330+/-114.408 χ^2/NDF : 59.4/24

Right Out: -1677.524+/-842.643 χ^2/NDF : 5.1/9

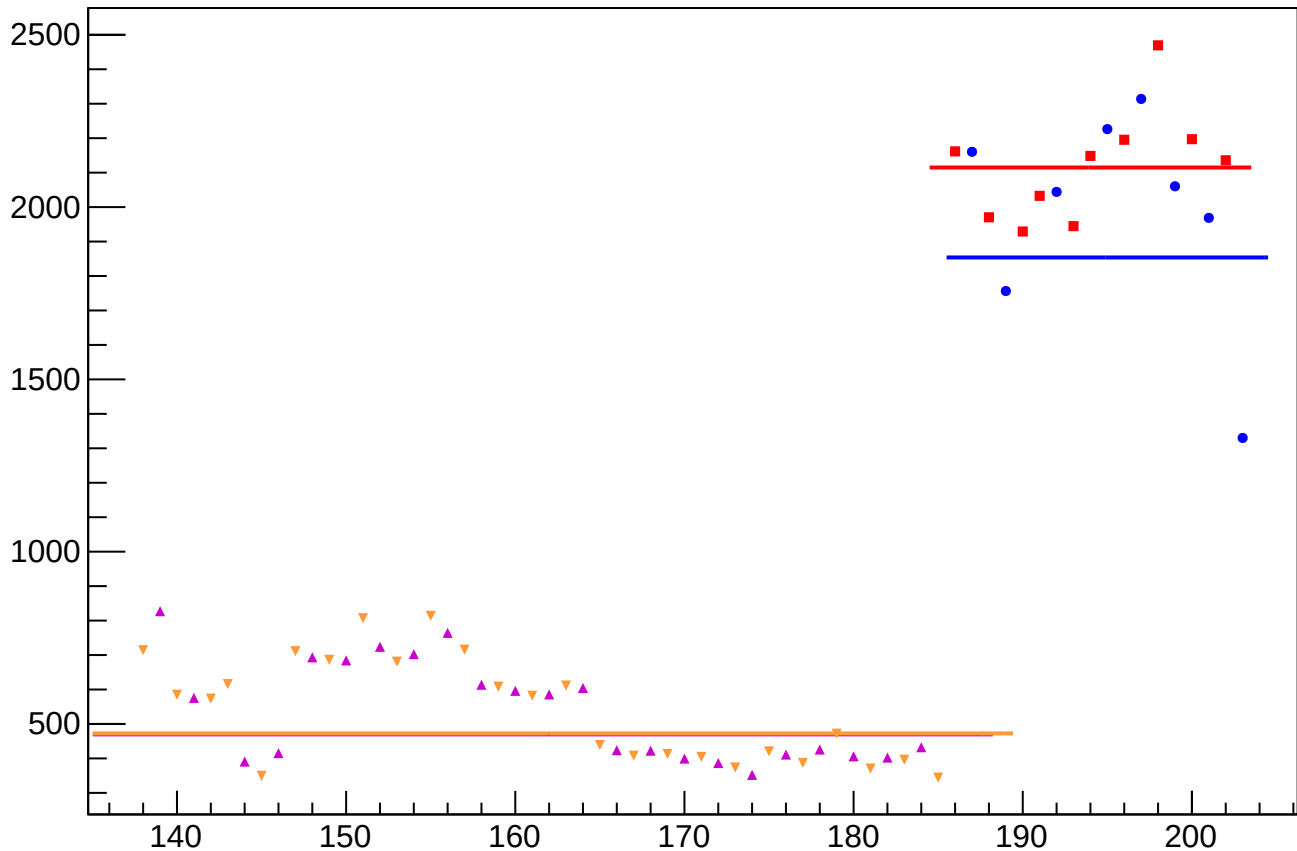
Left In: -1.825+/-116.459 χ^2/NDF : 32.3/22

+ sign -434.410+/-113.276 χ^2/NDF : 67.5/32

All: -237.482+/-80.826 χ^2/NDF : 114.9/65

- sign -33.233+/-115.362 χ^2/NDF : 41.2/32

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1853.818 $\pm$ 0.571 χ^2/NDF : 393240.1/7

Left Out: 472.569 $\pm$ 0.081 χ^2/NDF : 2508168.9/24

Right Out: 2114.840 $\pm$ 0.596 χ^2/NDF : 65706.4/9

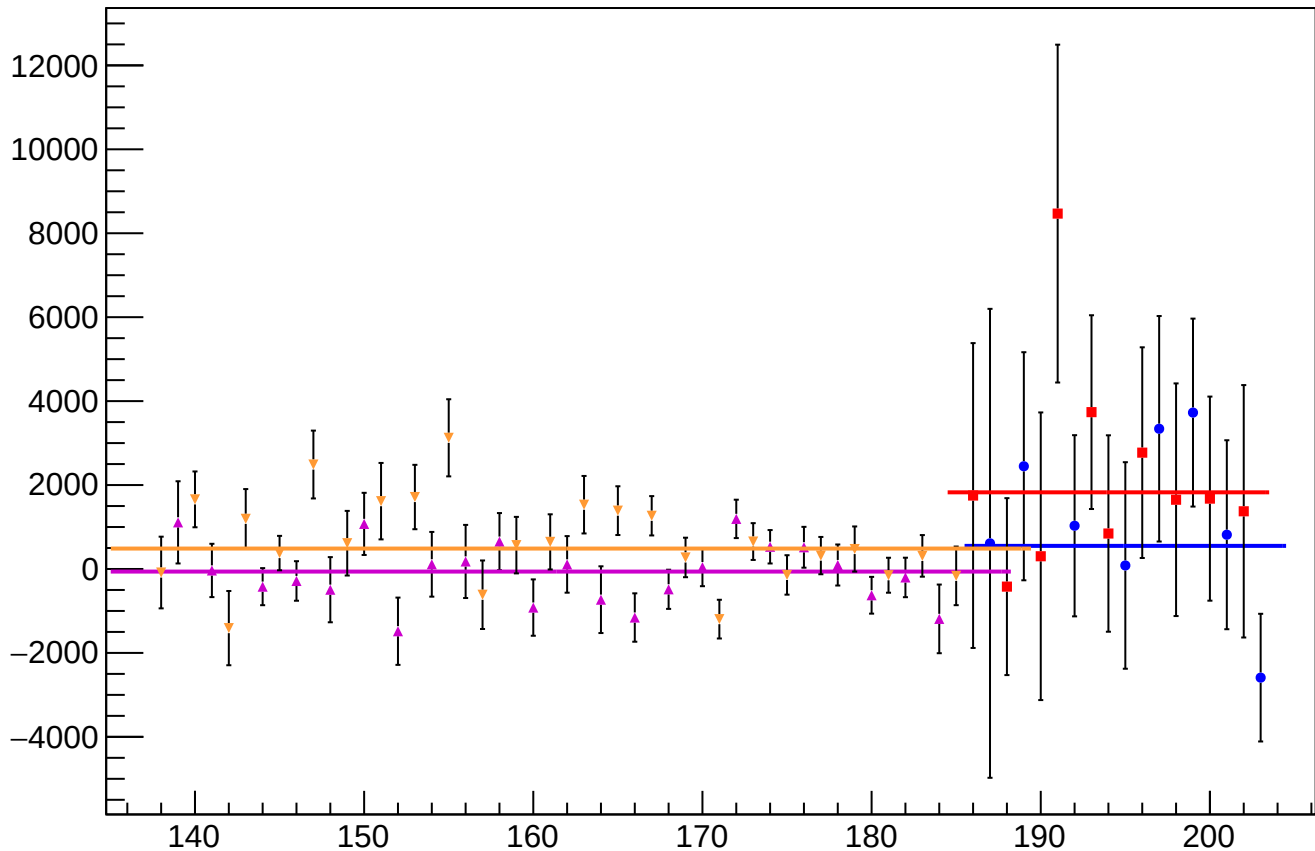
Left In: 469.761 $\pm$ 0.082 χ^2/NDF : 2116885.7/22

+ sign 499.774 $\pm$ 0.080 χ^2/NDF : 8643077.5/32

All: 500.177 $\pm$ 0.057 χ^2/NDF : 18305670.0/65

- sign 500.595 $\pm$ 0.082 χ^2/NDF : 9662540.8/32

asym_sam_3726_avg_mean vs Slug



Right In: 550.735 $\pm$ 812.550 χ^2 /NDF: 7.9/7

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 1826.522 $\pm$ 849.251 χ^2 /NDF: 5.1/9

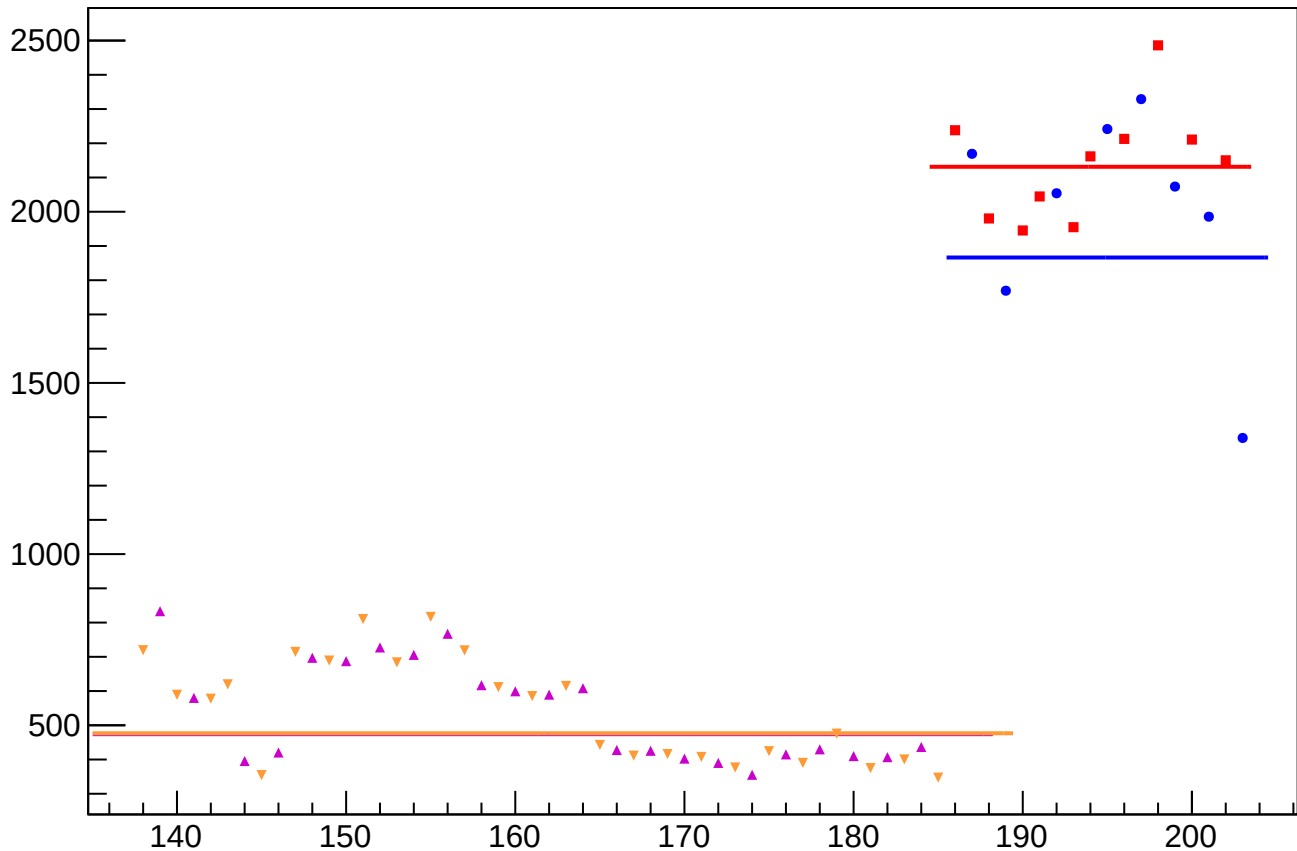
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 487.911 $\pm$ 114.201 χ^2 /NDF: 64.0/32

All: 235.561 $\pm$ 81.499 χ^2 /NDF: 115.0/65

- sign -26.337 $\pm$ 116.342 χ^2 /NDF: 41.1/32

asym_sam_3726_avg_rms vs Slug



Right In: 1866.319 +/- 0.575 χ^2/NDF : 392146.1/7

Left Out: 476.690 +/- 0.082 χ^2/NDF : 2472737.6/24

Right Out: 2131.346 +/- 0.601 χ^2/NDF : 67910.7/9

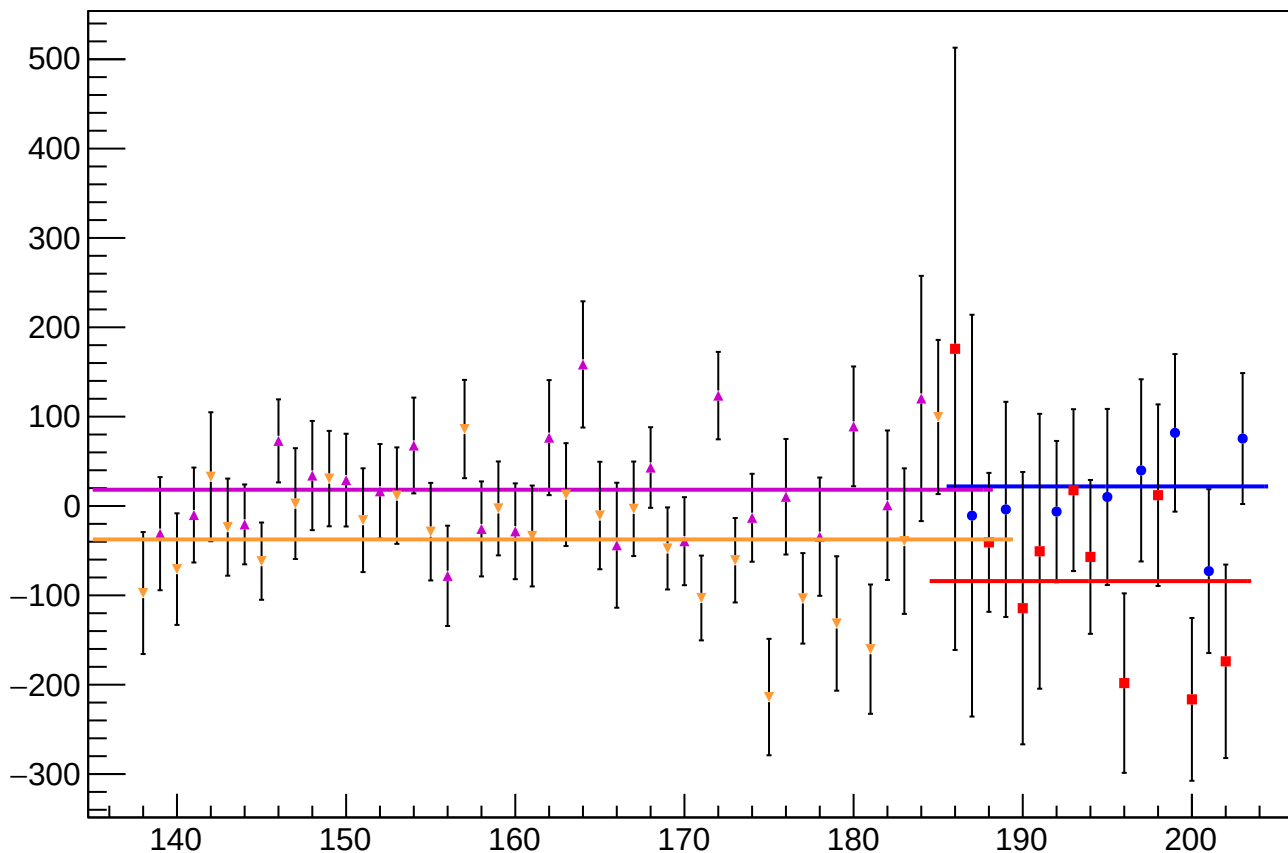
Left In: 473.983 +/- 0.083 χ^2/NDF : 2087113.7/22

+ sign 504.140 +/- 0.081 χ^2/NDF : 8598960.9/32

All: 504.605 +/- 0.058 χ^2/NDF : 18228260.6/65

- sign 505.087 +/- 0.082 χ^2/NDF : 9629232.2/32

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 21.917 ± 33.675 χ^2/NDF : 2.3/7

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -84.037 ± 33.005 χ^2/NDF : 7.3/9

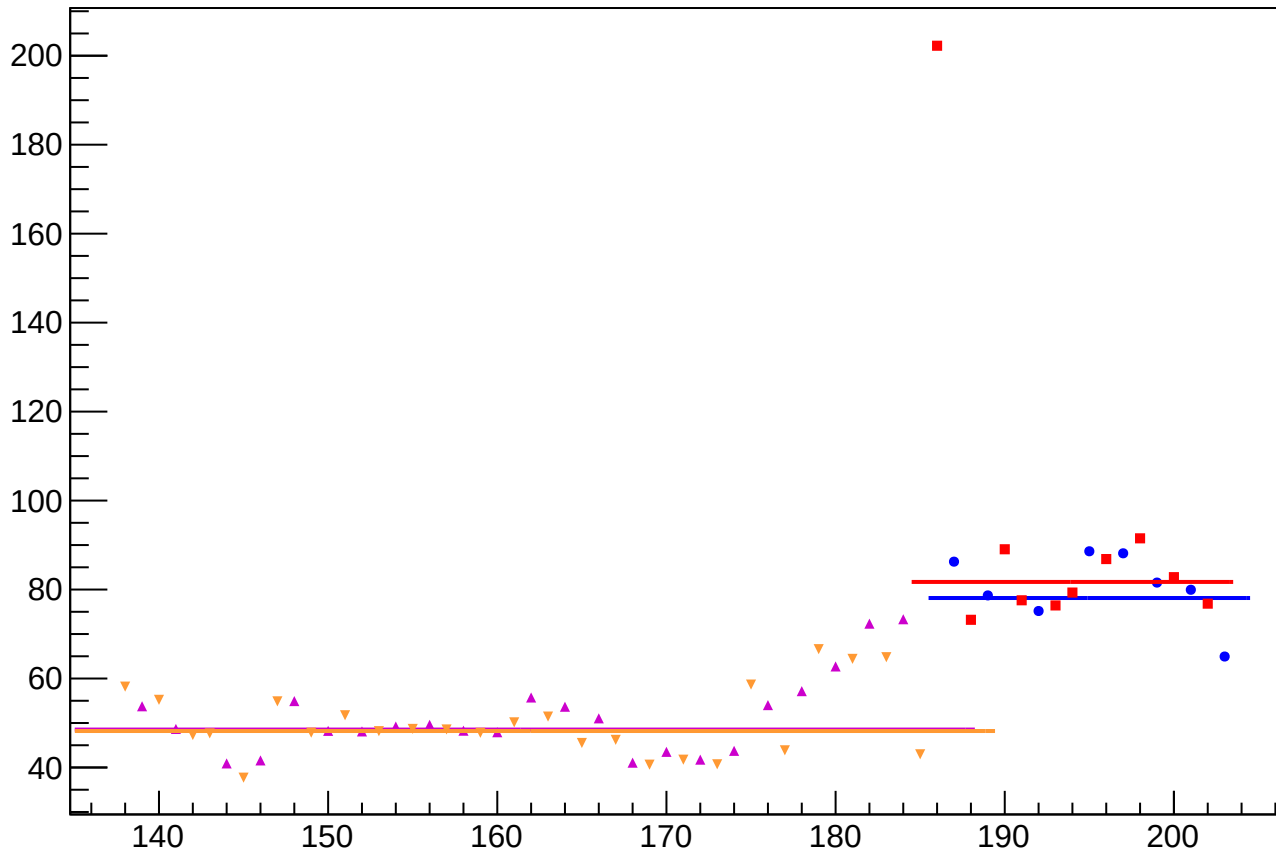
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -31.322 ± 10.789 χ^2/NDF : 35.6/32

All: -12.880 ± 7.737 χ^2/NDF : 80.4/65

- sign 6.643 ± 11.101 χ^2/NDF : 38.8/32

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 78.097 $\pm$ 0.024 χ^2 /NDF: 115961.4/7

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 81.712 $\pm$ 0.023 χ^2 /NDF: 322379.5/9

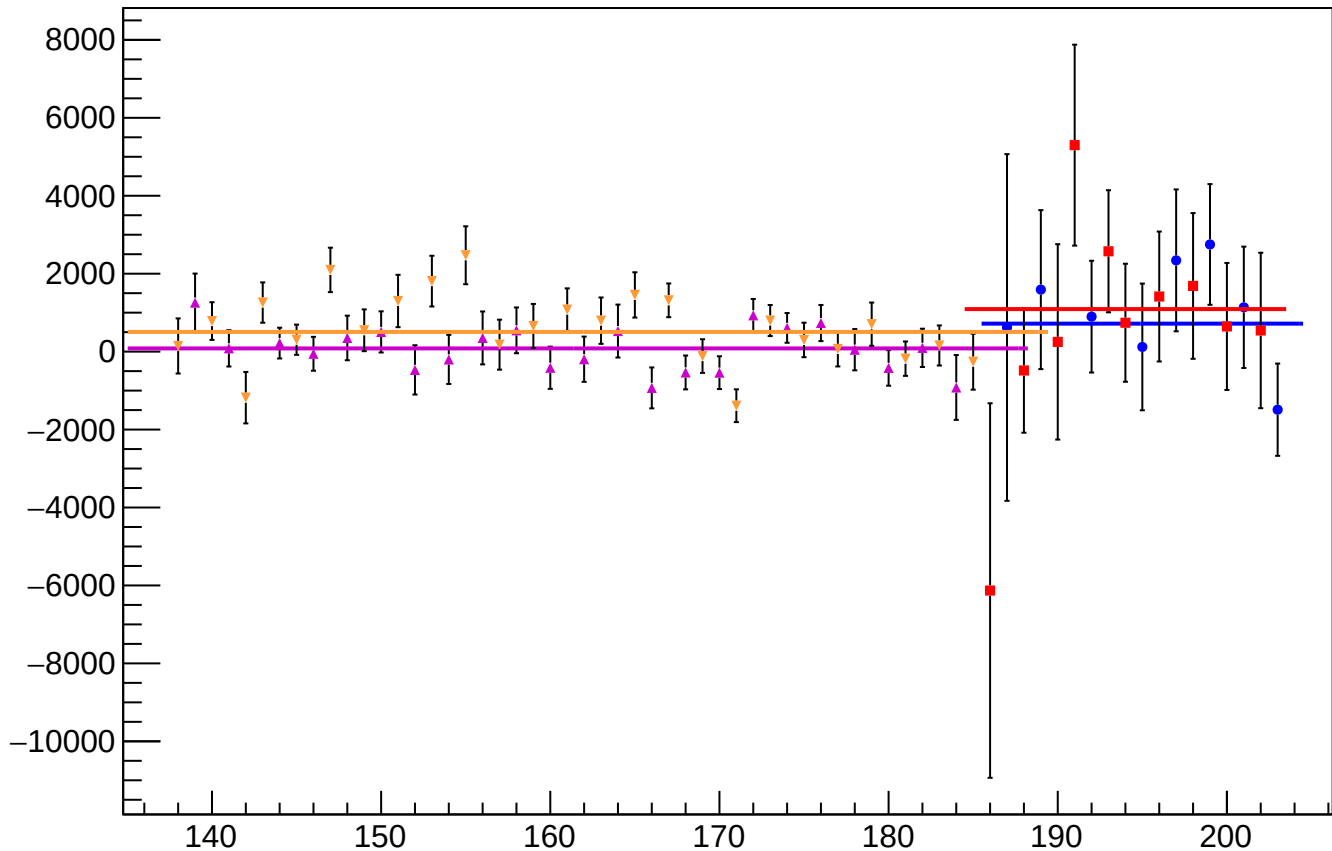
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 51.269 $\pm$ 0.008 χ^2 /NDF: 2280821.7/32

All: 51.760 $\pm$ 0.005 χ^2 /NDF: 5080256.3/65

- sign 52.281 $\pm$ 0.008 χ^2 /NDF: 2790885.2/32

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 718.246 ± 577.319 χ^2/NDF : 6.4/7

Left Out: 506.205 ± 103.468 χ^2/NDF : 65.7/24

Right Out: 1091.843 ± 591.122 χ^2/NDF : 7.2/9

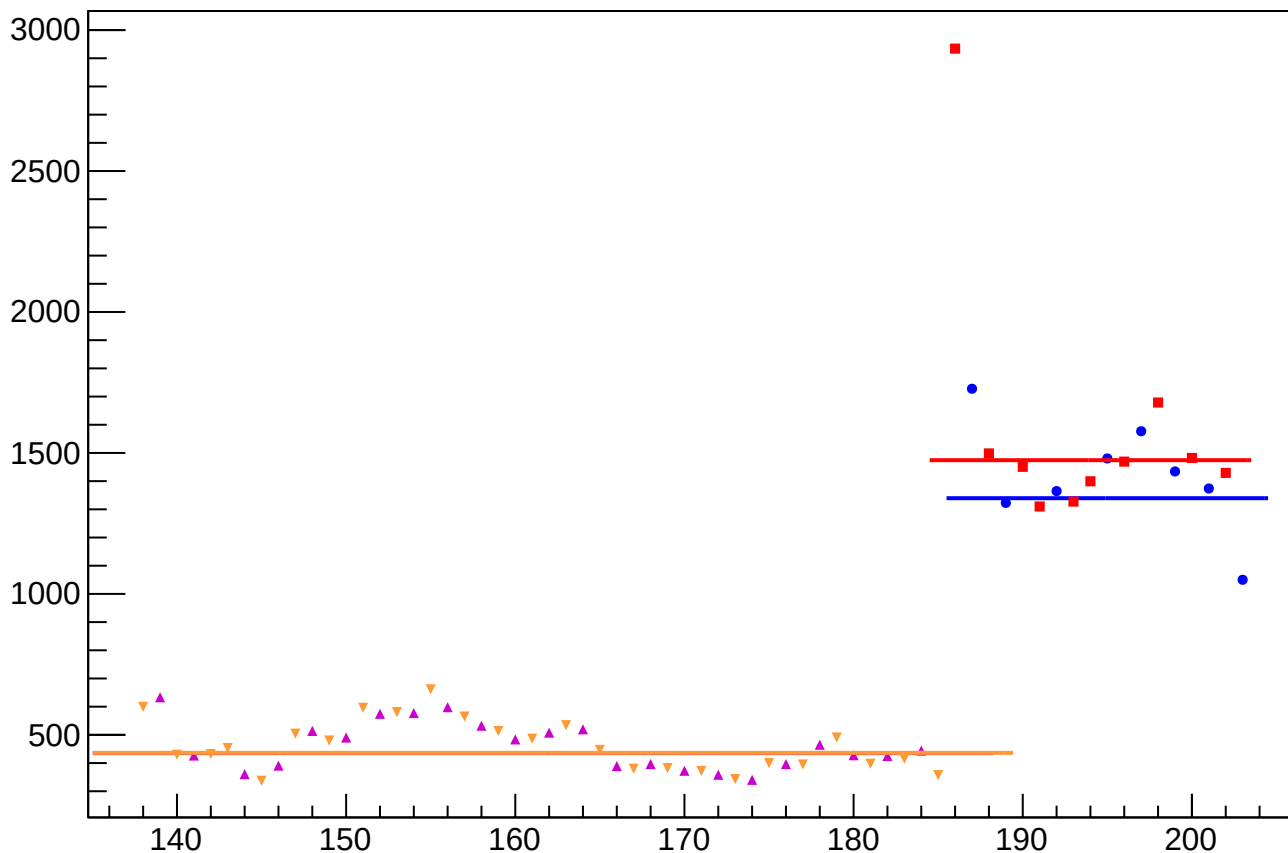
Left In: 82.421 ± 105.935 χ^2/NDF : 25.3/22

+ sign 512.804 ± 101.845 χ^2/NDF : 72.2/32

All: 318.019 ± 72.859 χ^2/NDF : 115.2/65

- sign 113.831 ± 104.274 χ^2/NDF : 35.4/32

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1339.514 $\pm$ 0.408 χ^2 /NDF: 193070.8/7

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF: 1179348.4/24

Right Out: 1474.322 $\pm$ 0.418 χ^2 /NDF: 240795.0/9

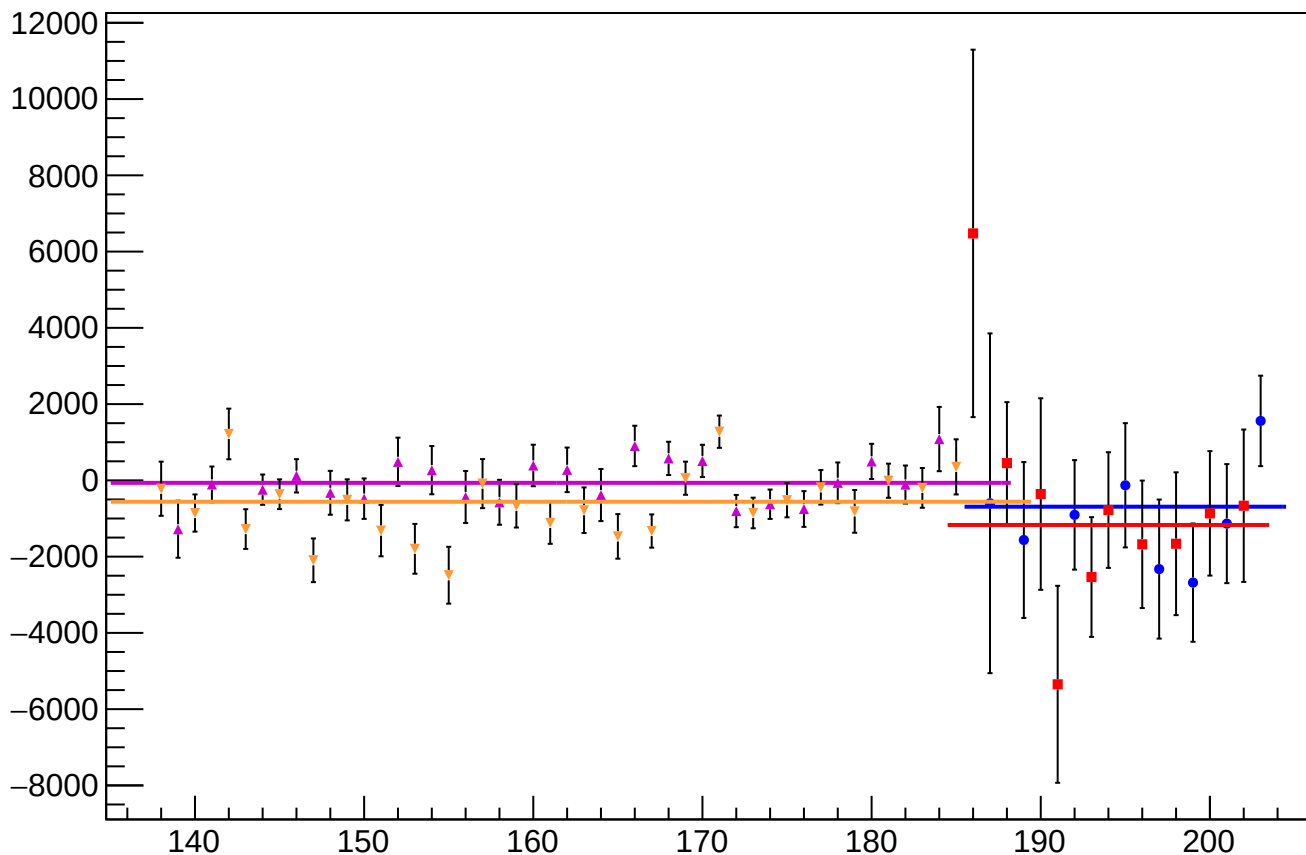
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF: 1027713.1/22

+ sign 464.410 $\pm$ 0.072 χ^2 /NDF: 6115363.5/32

All: 465.971 $\pm$ 0.052 χ^2 /NDF: 13371952.0/65

- sign 467.607 $\pm$ 0.074 χ^2 /NDF: 7255626.2/32

asym_sam_15_48_dd_mean vs Slug



Right In: -690.399 ± 578.390 χ^2/NDF : 6.5/7

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -1169.326 ± 592.149 χ^2/NDF : 7.4/9

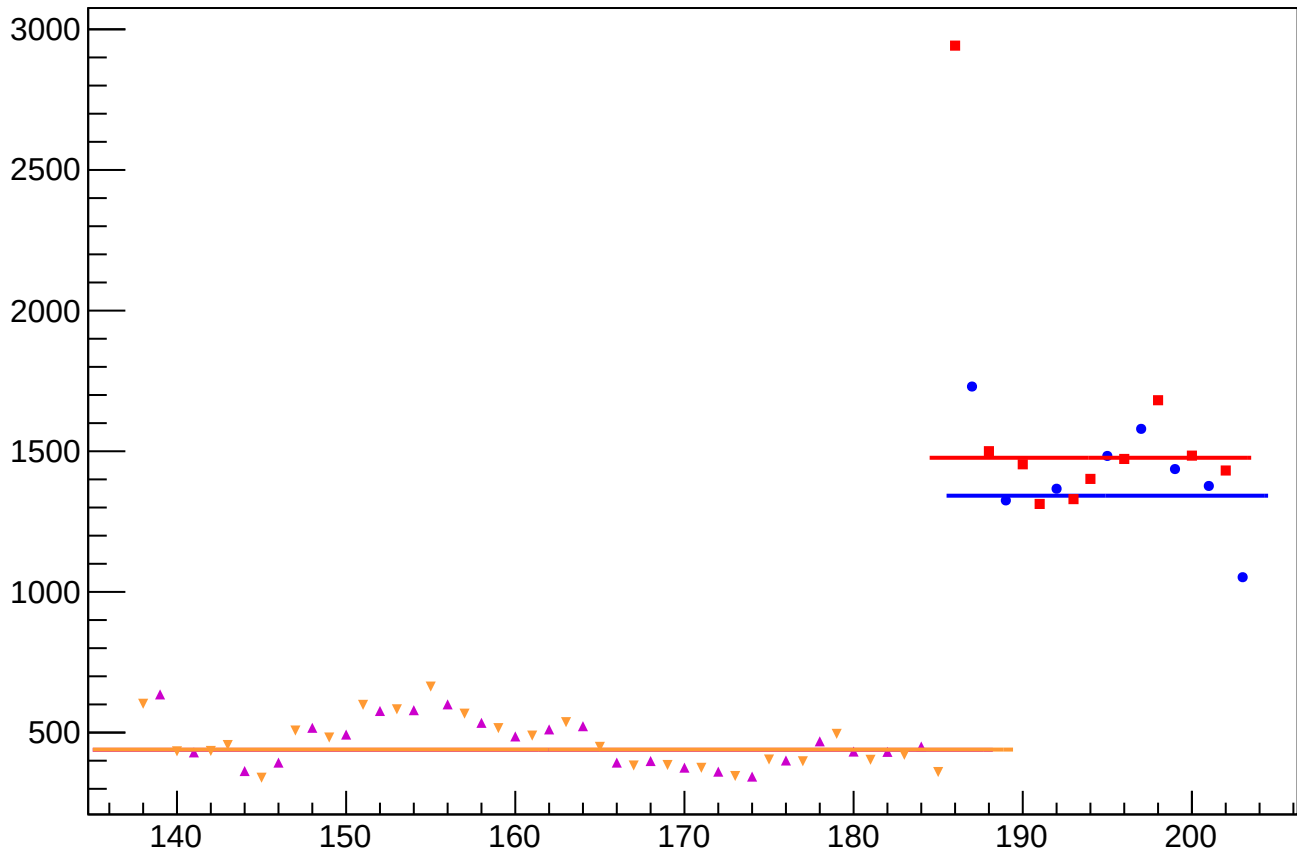
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -564.762 ± 102.556 χ^2/NDF : 68.3/32

All: -337.567 ± 73.372 χ^2/NDF : 114.2/65

- sign -99.340 ± 105.016 χ^2/NDF : 35.9/32

asym_sam_15_48_dd_rms vs Slug



Right In: 1342.028+/-0.409 χ^2/NDF : 192732.0/7

Left Out: 439.527+/-0.074 χ^2/NDF : 1163352.8/24

Right Out: 1476.880+/-0.419 χ^2/NDF : 240967.9/9

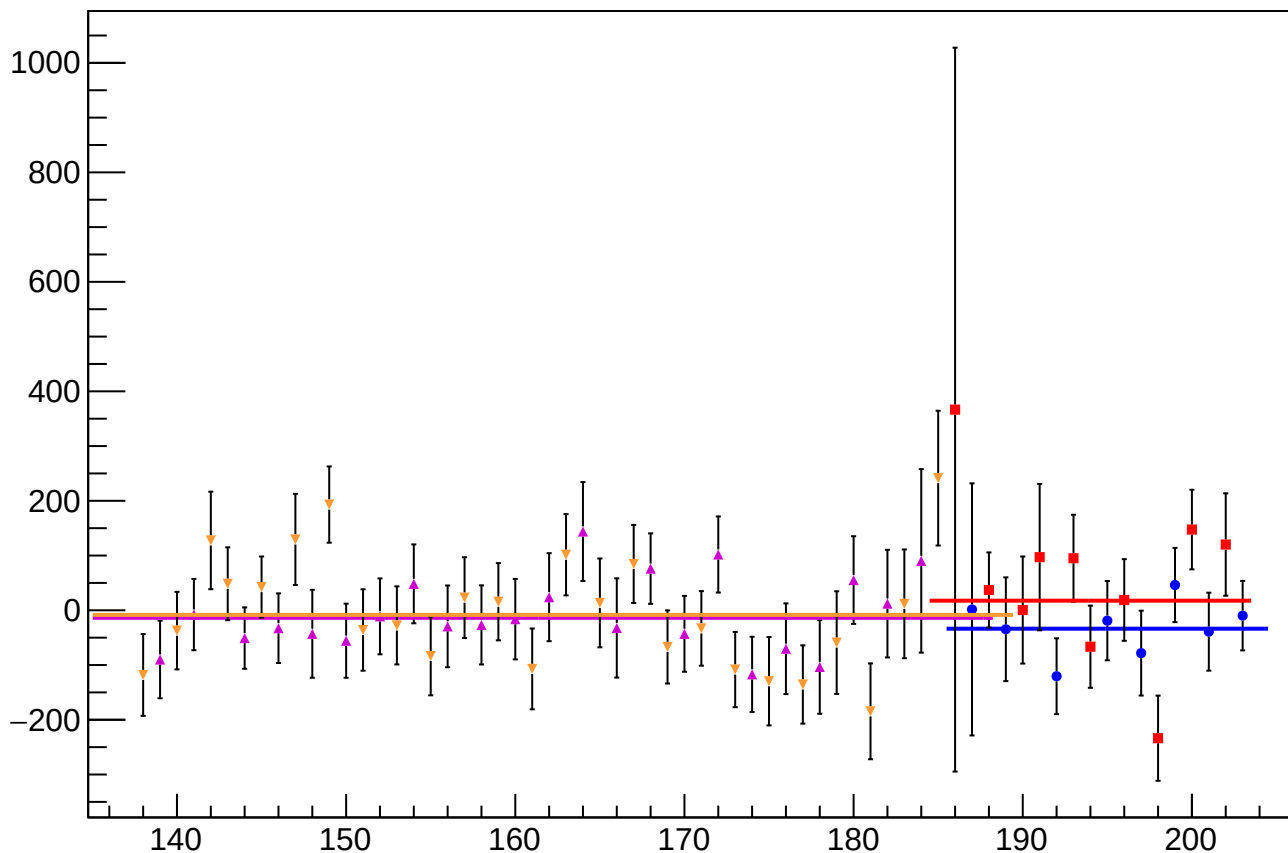
Left In: 438.548+/-0.075 χ^2/NDF : 1013071.4/22

+ sign 467.901+/-0.073 χ^2/NDF : 6072488.6/32

All: 469.514+/-0.052 χ^2/NDF : 13283633.4/65

- sign 471.205+/-0.074 χ^2/NDF : 7210131.5/32

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -33.620 ± 27.135 χ^2/NDF : 3.5/7

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 17.547 ± 27.121 χ^2/NDF : 17.8/9

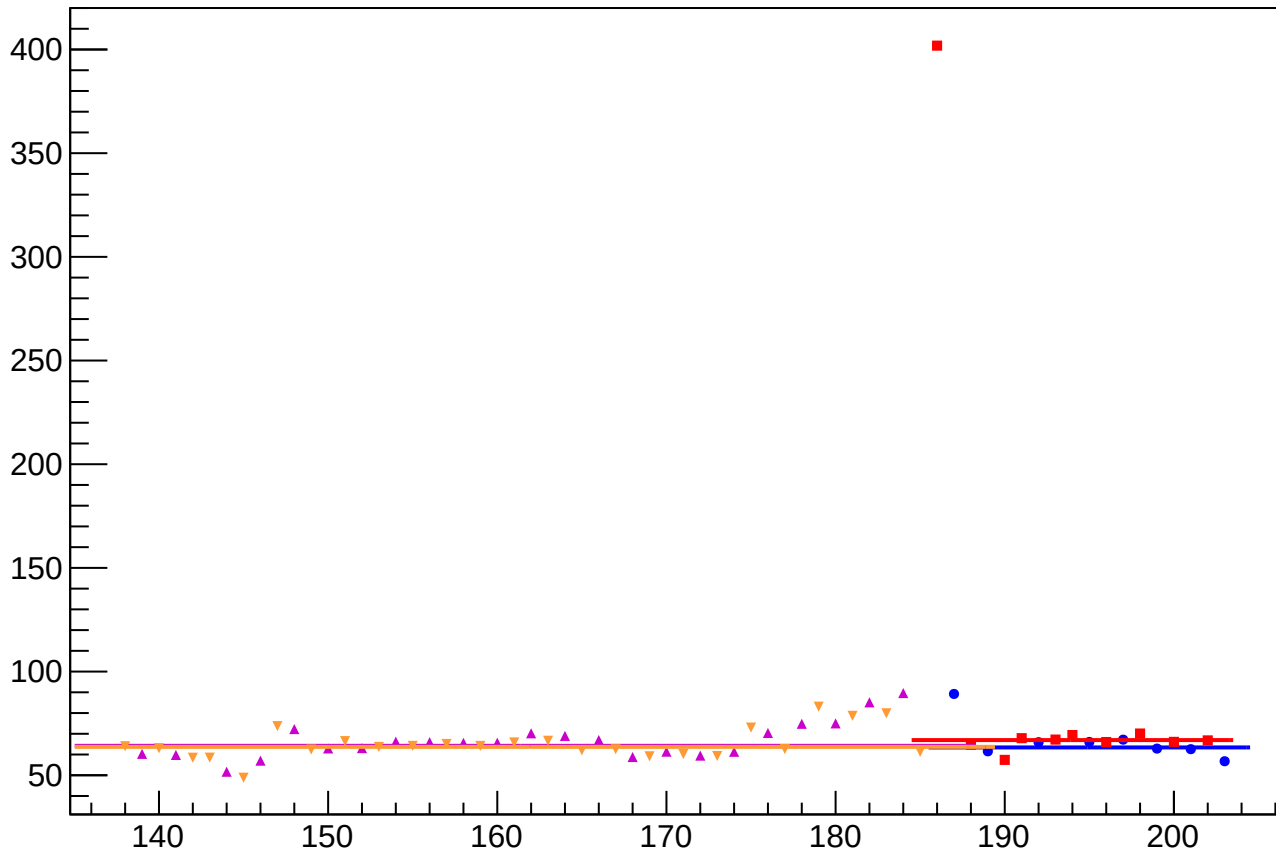
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -14.276 ± 13.084 χ^2/NDF : 45.8/32

All: -10.270 ± 9.376 χ^2/NDF : 81.0/65

- sign -6.041 ± 13.443 χ^2/NDF : 35.0/32

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.415+/-0.019 χ^2/NDF : 58288.2/7

Left Out: 63.696+/-0.011 χ^2/NDF : 448439.3/24

Right Out: 66.958+/-0.019 χ^2/NDF : 540362.7/9

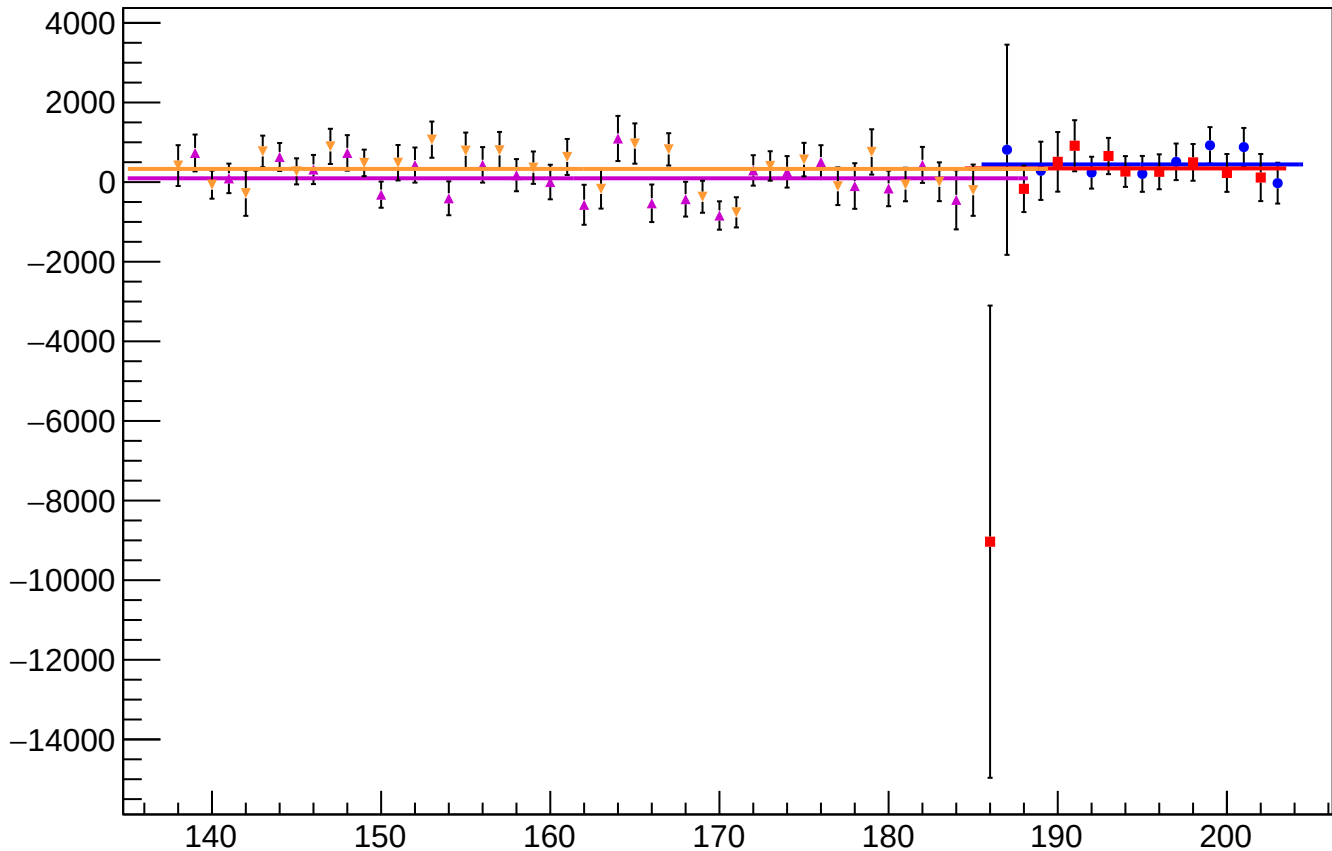
Left In: 64.189+/-0.011 χ^2/NDF : 429670.3/22

+ sign 63.631+/-0.009 χ^2/NDF : 506892.7/32

All: 64.233+/-0.007 χ^2/NDF : 1501365.6/65

- sign 64.869+/-0.010 χ^2/NDF : 985751.9/32

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 444.181 $\pm$ 180.062 χ^2 /NDF: 3.4/7

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF:29.9/24

Right Out: 344.035 $\pm$ 166.985 χ^2 /NDF: 5.0/9

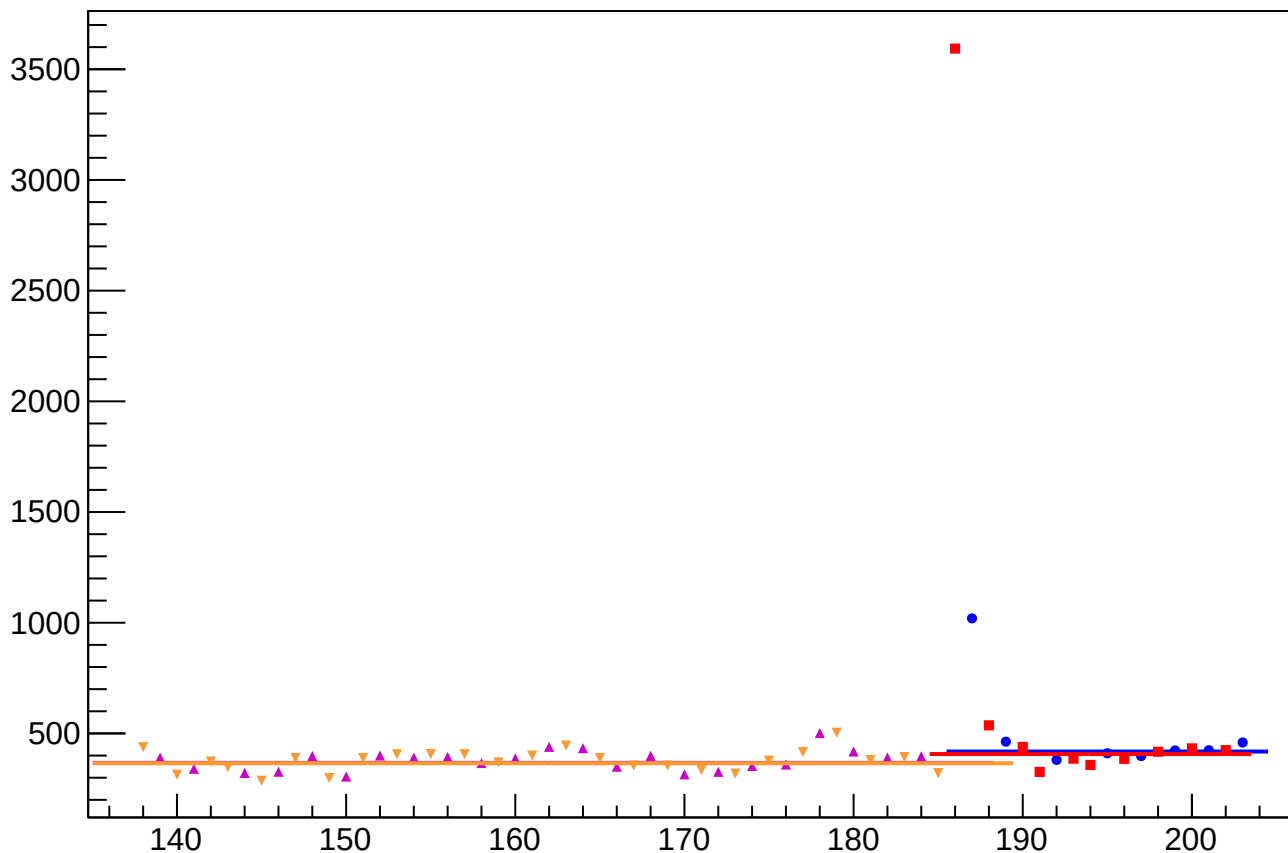
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF:28.7/22

+ sign 352.652 $\pm$ 77.655 χ^2 /NDF: 33.6/32

All: 252.403 $\pm$ 55.139 χ^2 /NDF: 72.3/65

- sign 150.471 $\pm$ 78.304 χ^2 /NDF: 35.4/32

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 418.255+/-0.127 χ^2/NDF : 147065.0/7

Left Out: 365.355+/-0.061 χ^2/NDF : 618453.7/24

Right Out: 406.946+/-0.118 χ^2/NDF : 761671.5/9

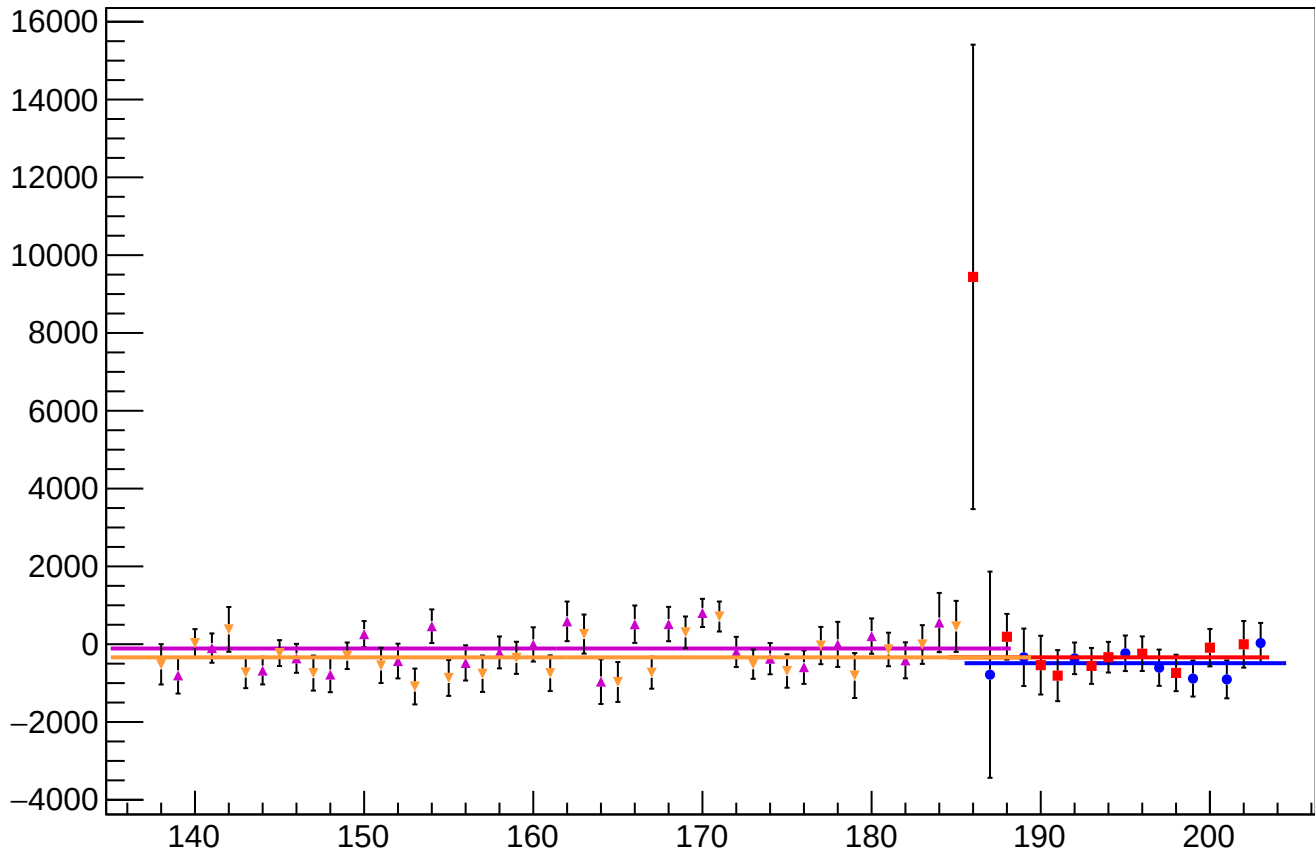
Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

+ sign 375.194+/-0.055 χ^2/NDF : 906033.6/32

All: 375.457+/-0.039 χ^2/NDF : 2235453.2/65

- sign 375.725+/-0.055 χ^2/NDF : 1329373.3/32

asym_sam_37_48_dd_mean vs Slug



Right In: -488.016 ± 182.278 χ^2/NDF : 3.0/7

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -337.574 ± 169.433 χ^2/NDF : 5.7/9

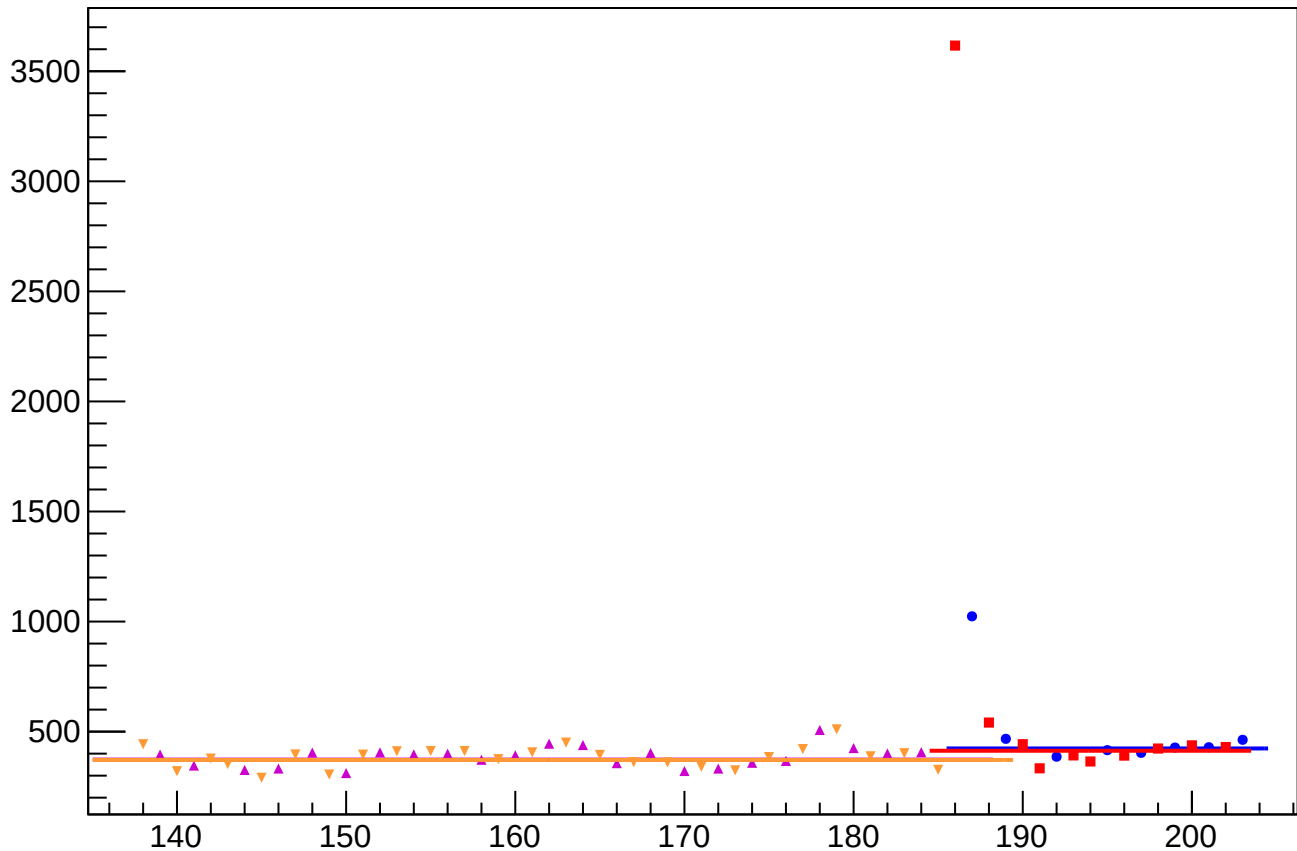
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -366.498 ± 78.846 χ^2/NDF : 31.8/32

All: -264.362 ± 55.996 χ^2/NDF : 71.4/65

- sign -160.419 ± 79.540 χ^2/NDF : 36.3/32

asym_sam_37_48_dd_rms vs Slug



Right In: 423.526+/-0.129 χ^2/NDF : 142866.6/7

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 413.150+/-0.120 χ^2/NDF : 751100.6/9

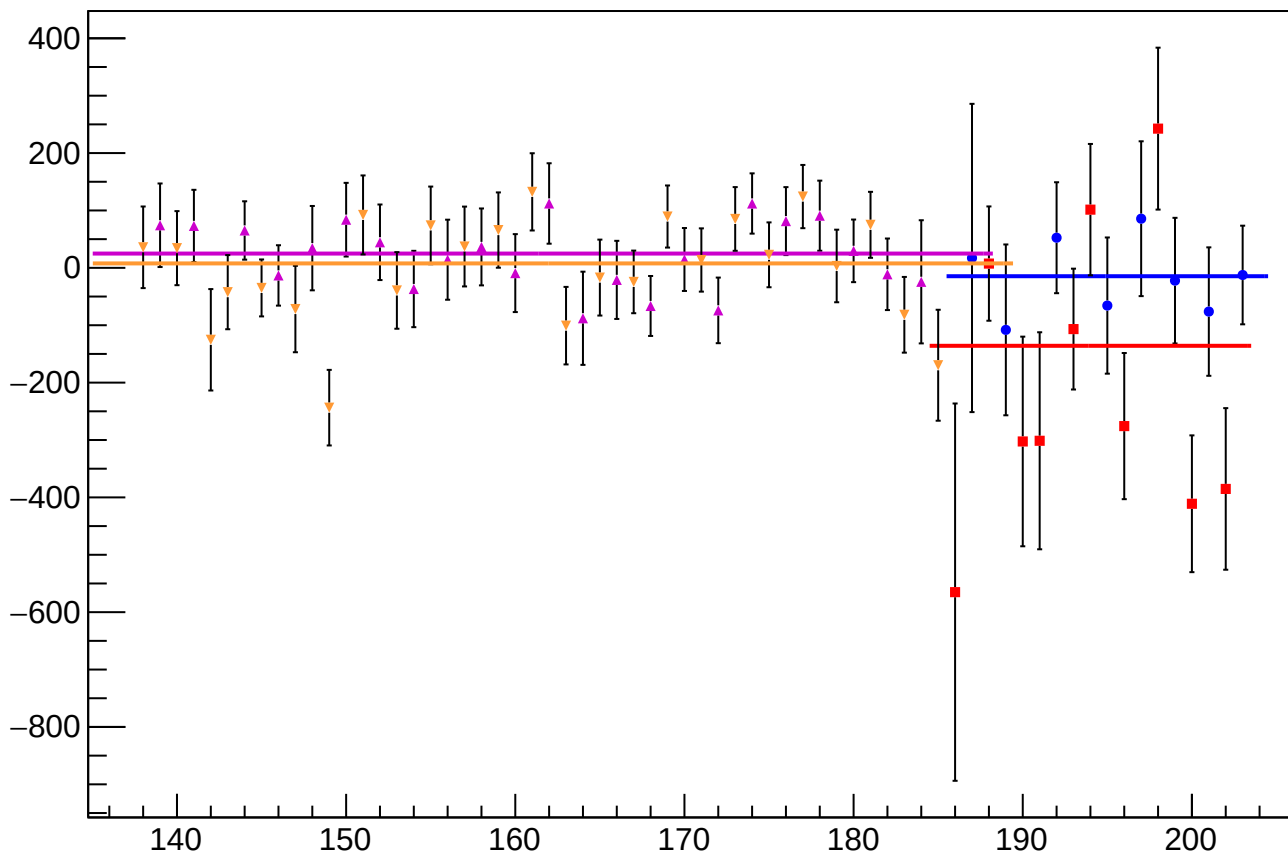
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 381.117+/-0.056 χ^2/NDF : 880118.4/32

All: 381.456+/-0.040 χ^2/NDF : 2186461.1/65

- sign 381.800+/-0.056 χ^2/NDF : 1306268.4/32

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -14.592 ± 41.145 χ^2/NDF : 1.9/7

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -135.839 ± 41.984 χ^2/NDF : 26.6/9

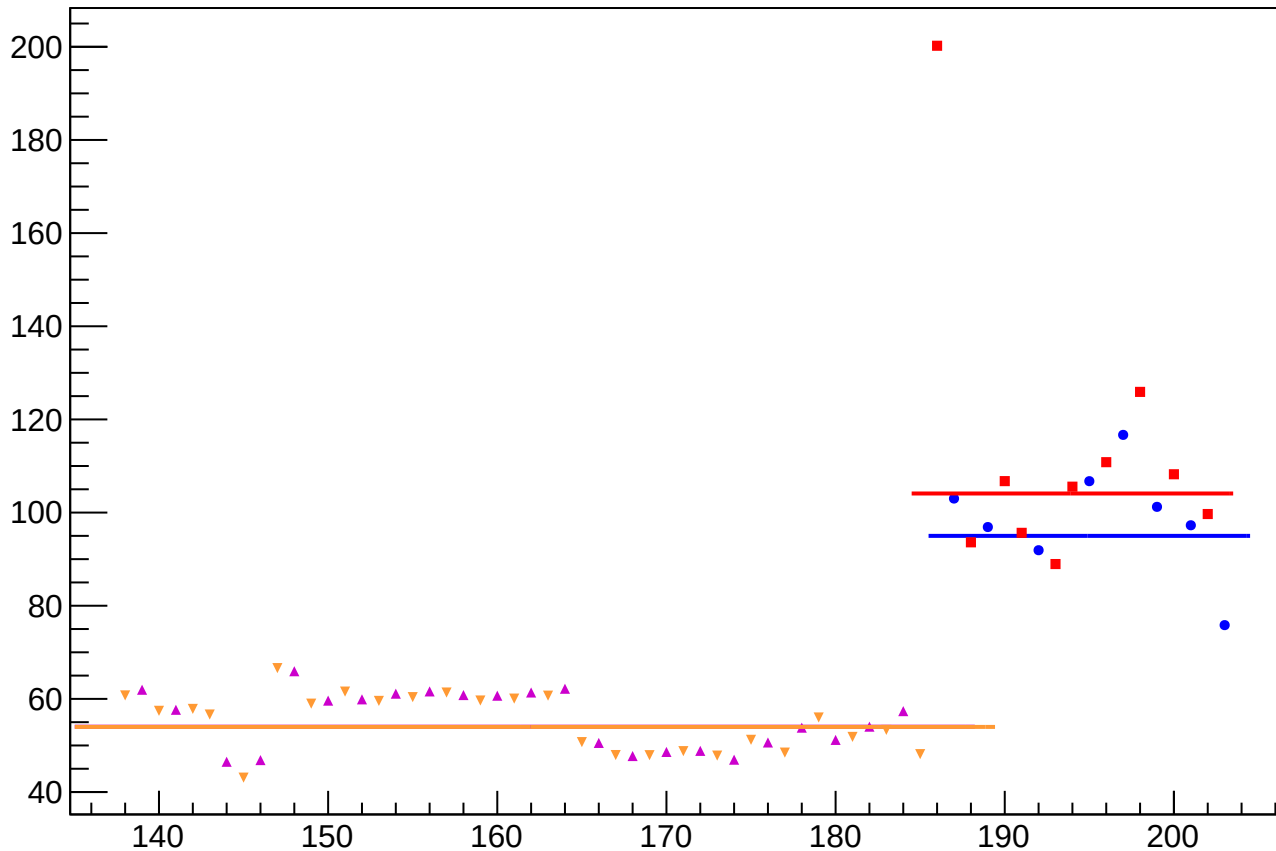
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 5.795 ± 12.096 χ^2/NDF : 47.6/32

All: 8.211 ± 8.673 χ^2/NDF : 107.4/65

- sign 10.769 ± 12.443 χ^2/NDF : 59.7/32

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 95.000+/-0.029 χ^2/NDF : 182120.8/7

Left Out: 53.984+/-0.009 χ^2/NDF : 458972.1/24

Right Out: 104.098+/-0.030 χ^2/NDF : 297068.3/9

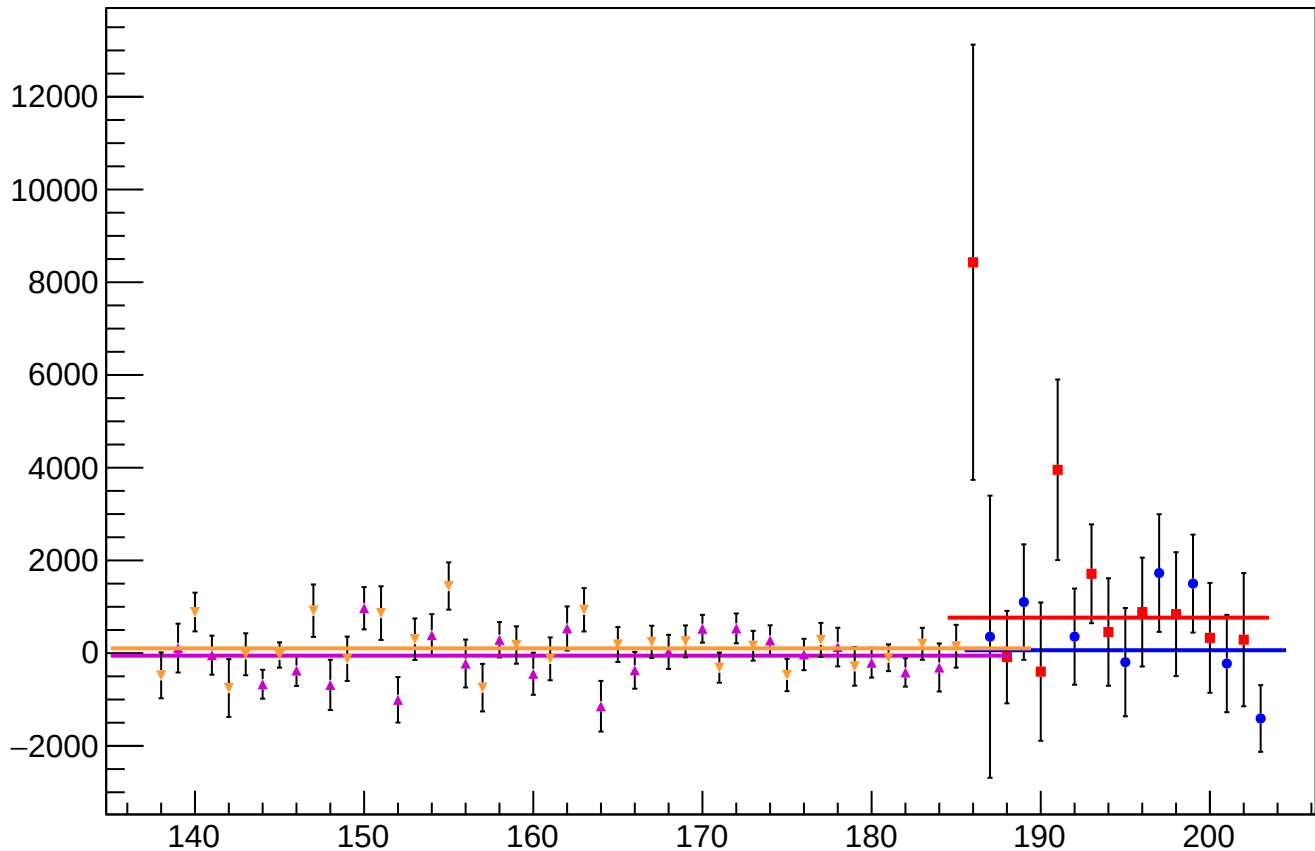
Left In: 54.028+/-0.009 χ^2/NDF : 443819.5/22

+ sign 57.529+/-0.009 χ^2/NDF : 2456841.0/32

All: 57.965+/-0.006 χ^2/NDF : 5797733.1/65

- sign 58.426+/-0.009 χ^2/NDF : 3335548.0/32

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 63.241 ± 384.091 χ^2/NDF : 8.7/7

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 766.411 ± 412.673 χ^2/NDF : 7.8/9

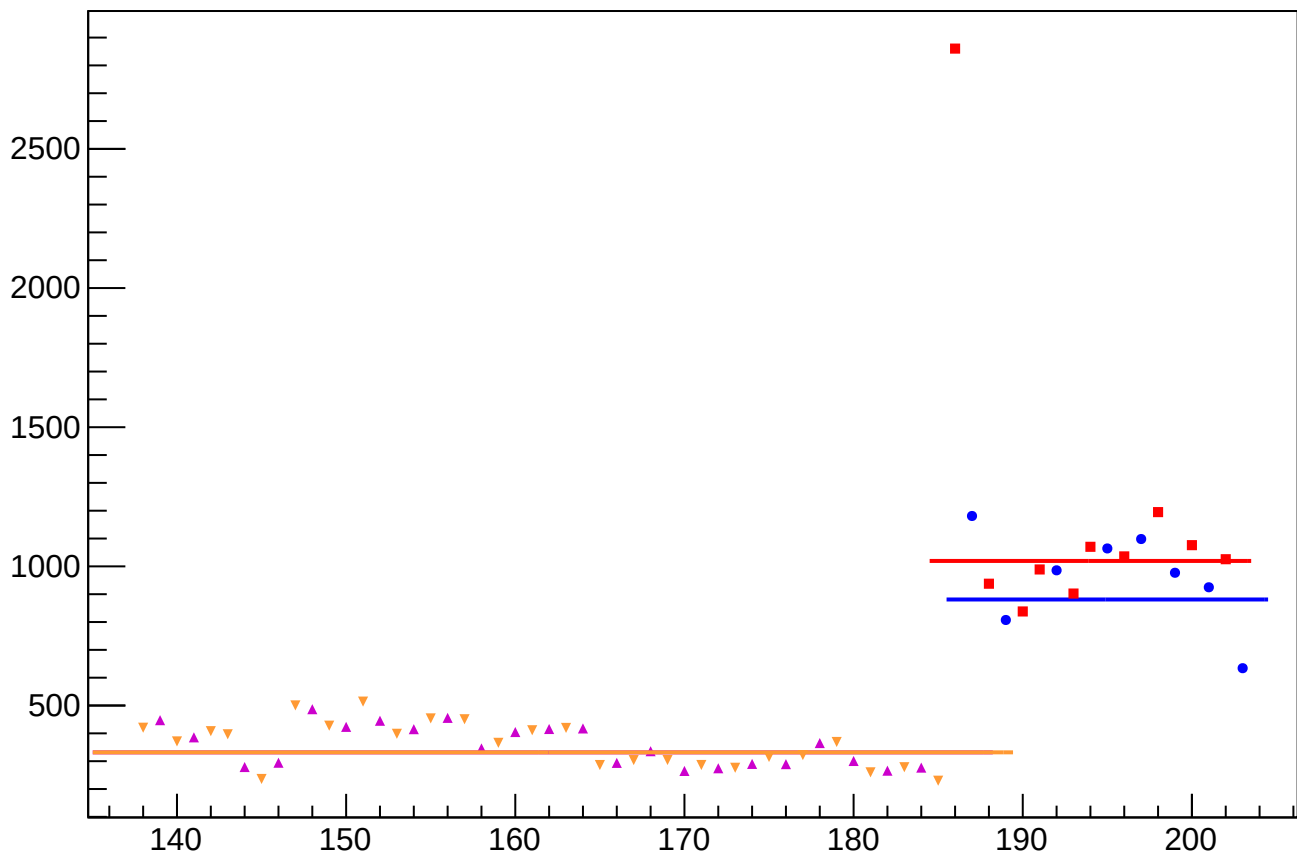
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 102.109 ± 77.703 χ^2/NDF : 39.7/32

All: 41.154 ± 55.628 χ^2/NDF : 86.6/65

- sign -22.931 ± 79.673 χ^2/NDF : 45.7/32

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 880.993 ± 0.272 χ^2/NDF : 410776.8/7

Left Out: 331.770 ± 0.056 χ^2/NDF : 1711721.9/24

Right Out: 1019.503 ± 0.292 χ^2/NDF : 418855.6/9

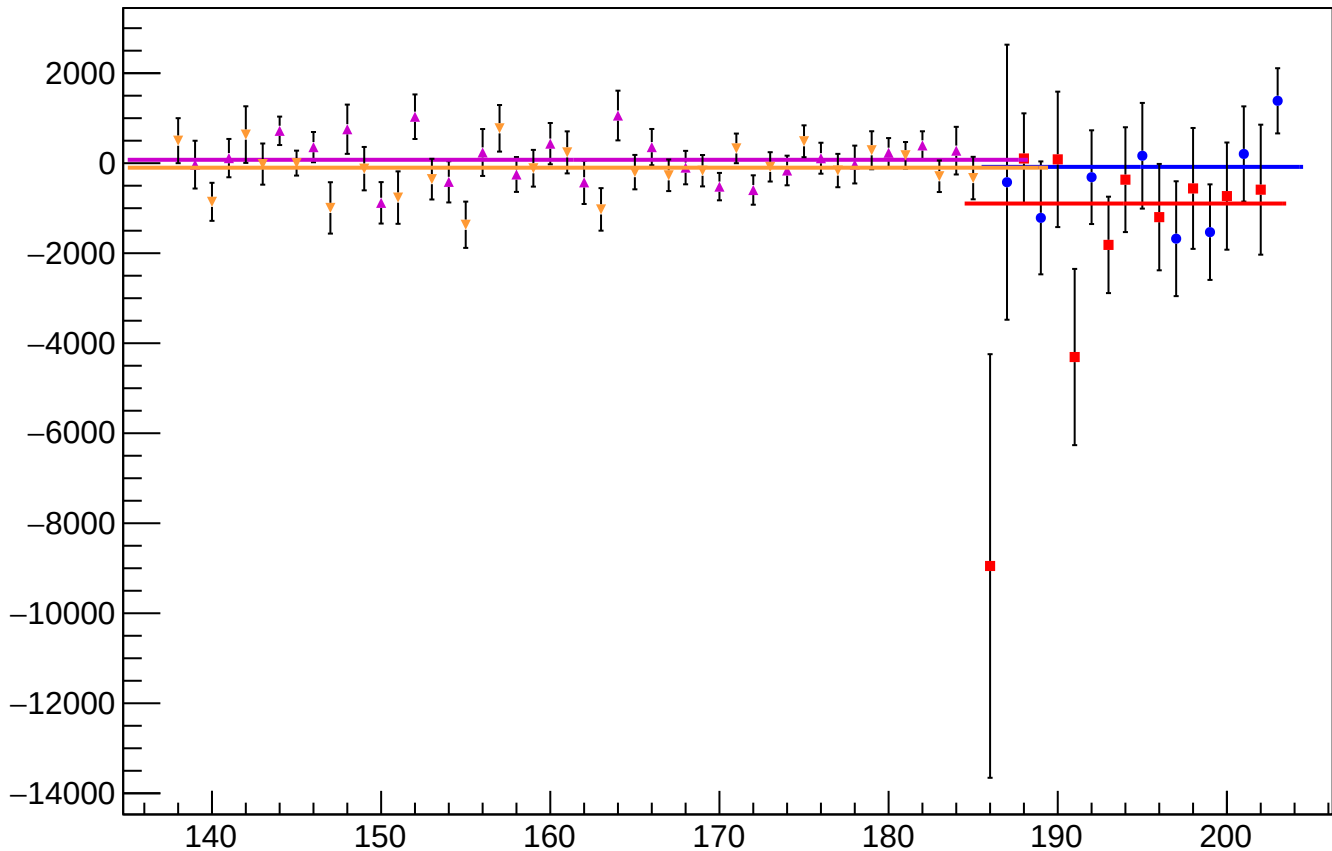
Left In: 331.666 ± 0.057 χ^2/NDF : 1303192.2/22

+ sign 354.249 ± 0.055 χ^2/NDF : 6044527.1/32

All: 355.738 ± 0.039 χ^2/NDF : 13117329.0/65

- sign 357.305 ± 0.056 χ^2/NDF : 7071293.7/32

asym_sam_15_26_dd_mean vs Slug



Right In: -81.761 ± 386.557 χ^2/NDF : 8.5/7

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -896.456 ± 415.043 χ^2/NDF : 8.5/9

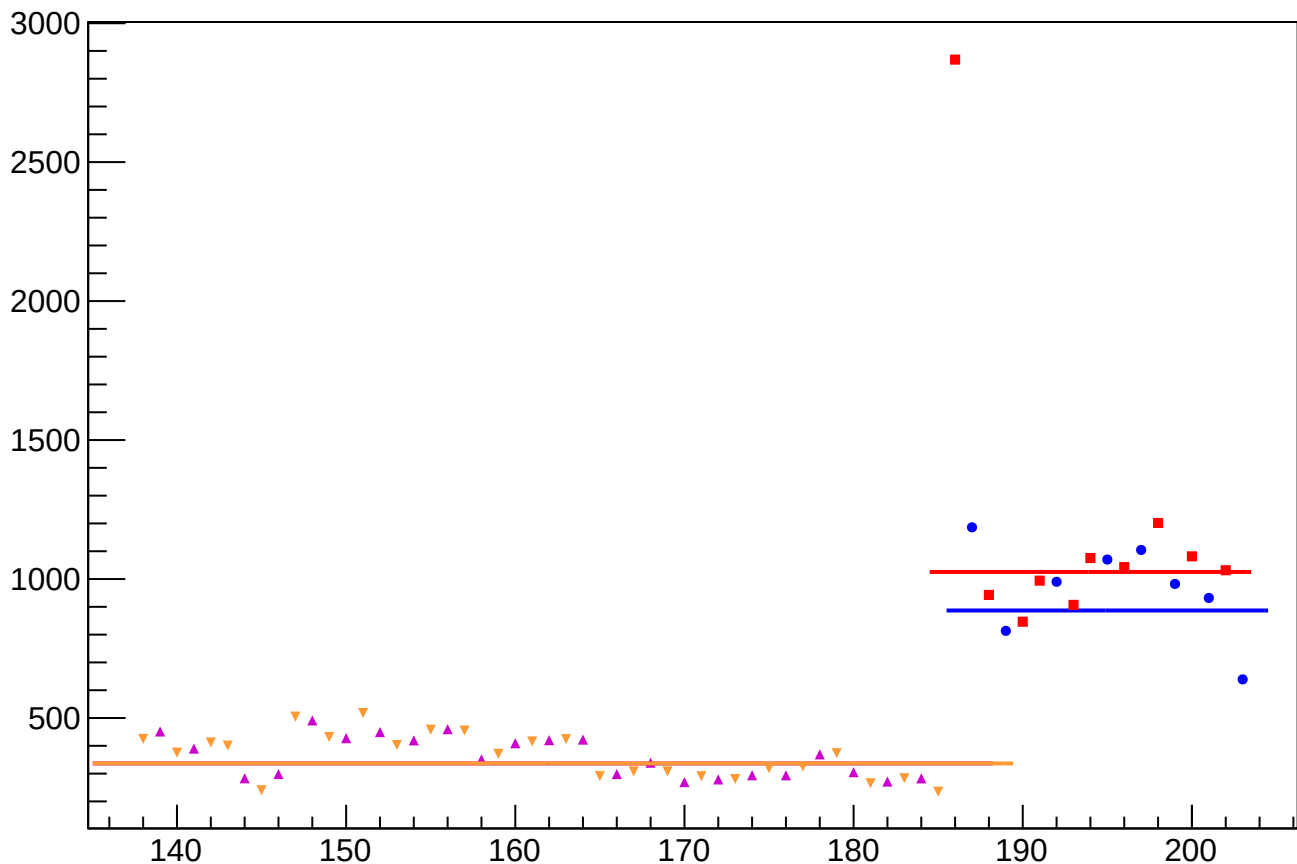
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -99.037 ± 78.742 χ^2/NDF : 39.2/32

All: -31.856 ± 56.374 χ^2/NDF : 86.6/65

- sign 38.789 ± 80.746 χ^2/NDF : 45.9/32

asym_sam_15_26_dd_rms vs Slug



Right In: 886.831+/-0.273 χ^2/NDF : 406665.5/7

Left Out: 336.557+/-0.057 χ^2/NDF : 1665919.4/24

Right Out: 1025.520+/-0.293 χ^2/NDF : 416749.8/9

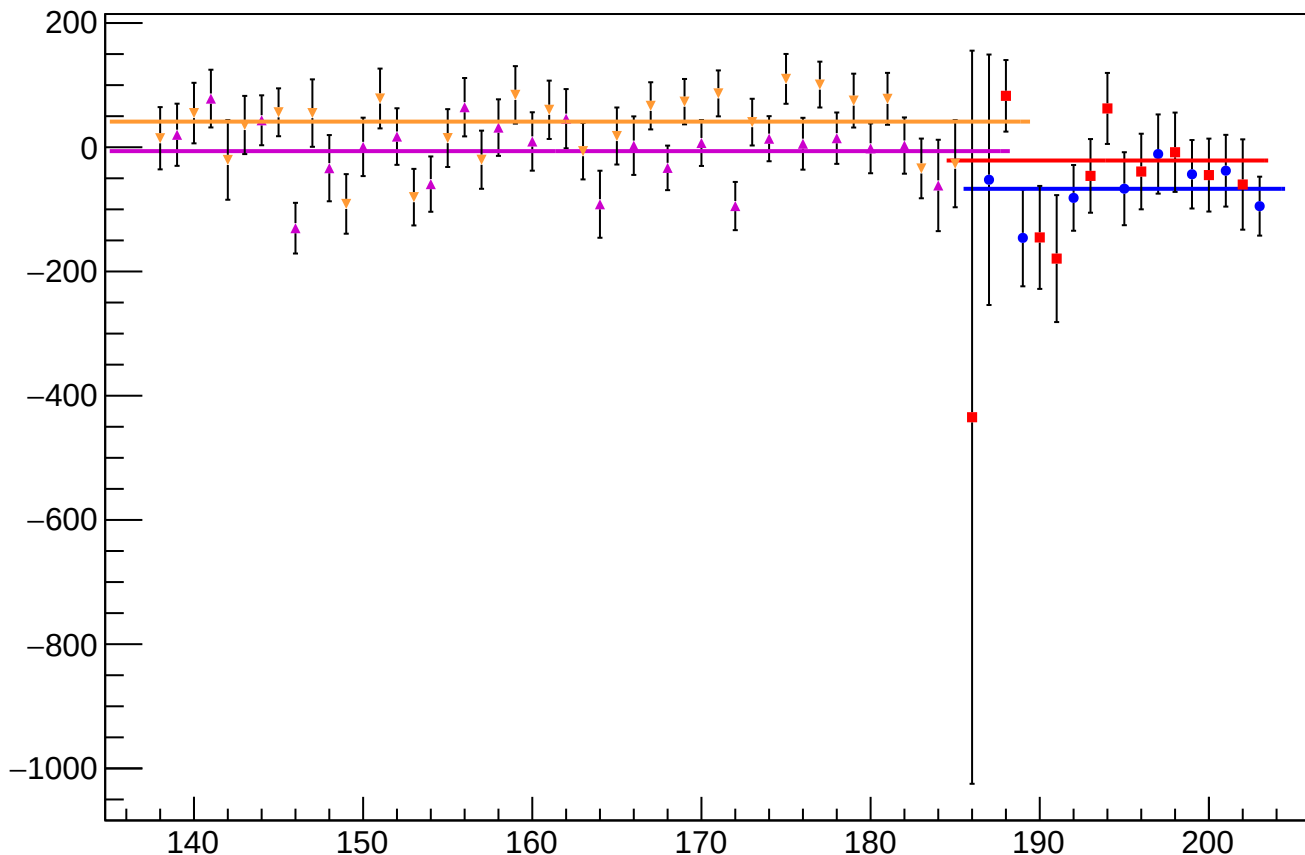
Left In: 336.439+/-0.058 χ^2/NDF : 1269066.3/22

+ sign 359.390+/-0.056 χ^2/NDF : 5957268.1/32

All: 360.916+/-0.040 χ^2/NDF : 12948920.2/65

- sign 362.520+/-0.057 χ^2/NDF : 6990111.6/32

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -66.915 ± 21.540 χ^2/NDF : 2.7/7

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -21.350 ± 21.666 χ^2/NDF : 11.3/9

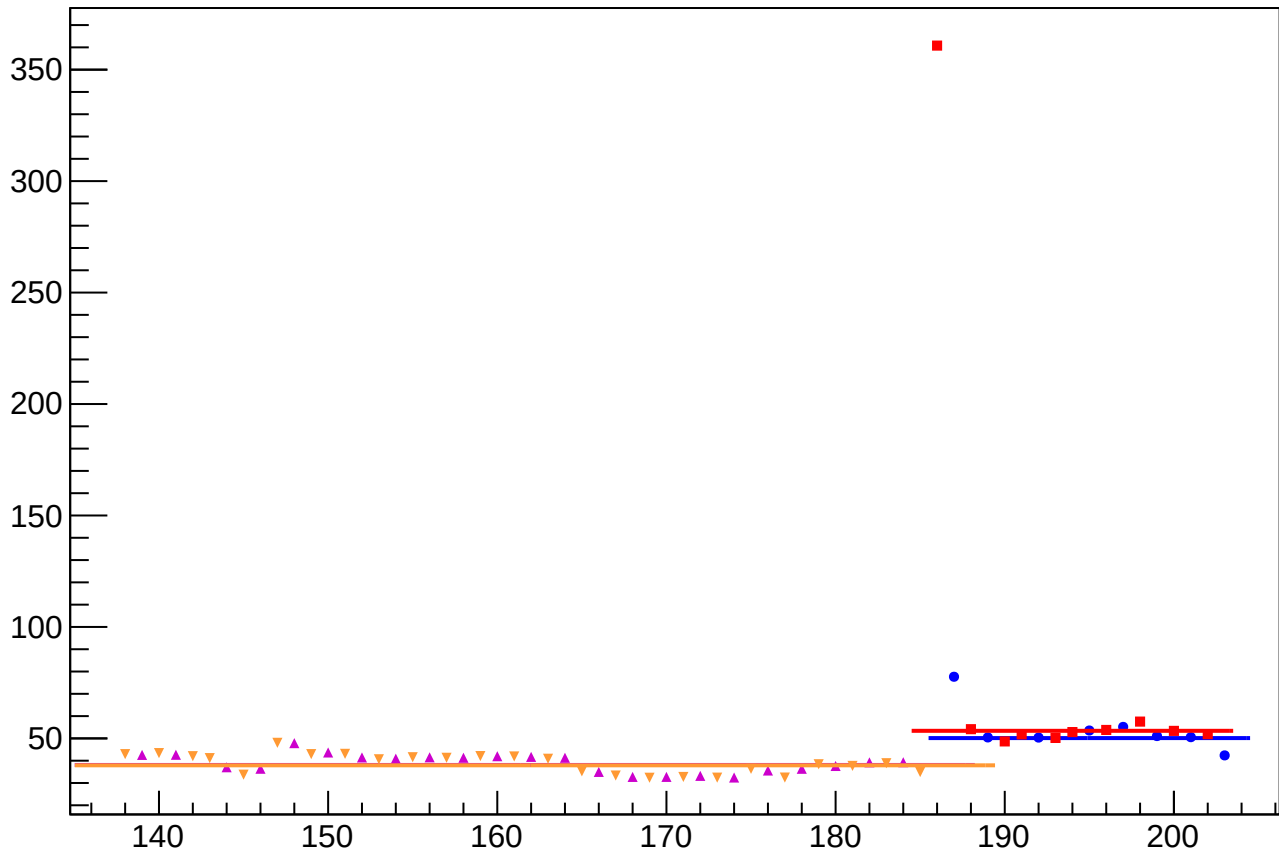
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 25.538 ± 8.217 χ^2/NDF : 58.6/32

All: 8.967 ± 5.890 χ^2/NDF : 108.9/65

- sign -8.549 ± 8.448 χ^2/NDF : 42.0/32

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 50.142 $\pm$ 0.015 χ^2 /NDF: 110612.3/7

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 53.405 $\pm$ 0.015 χ^2 /NDF: 565395.3/9

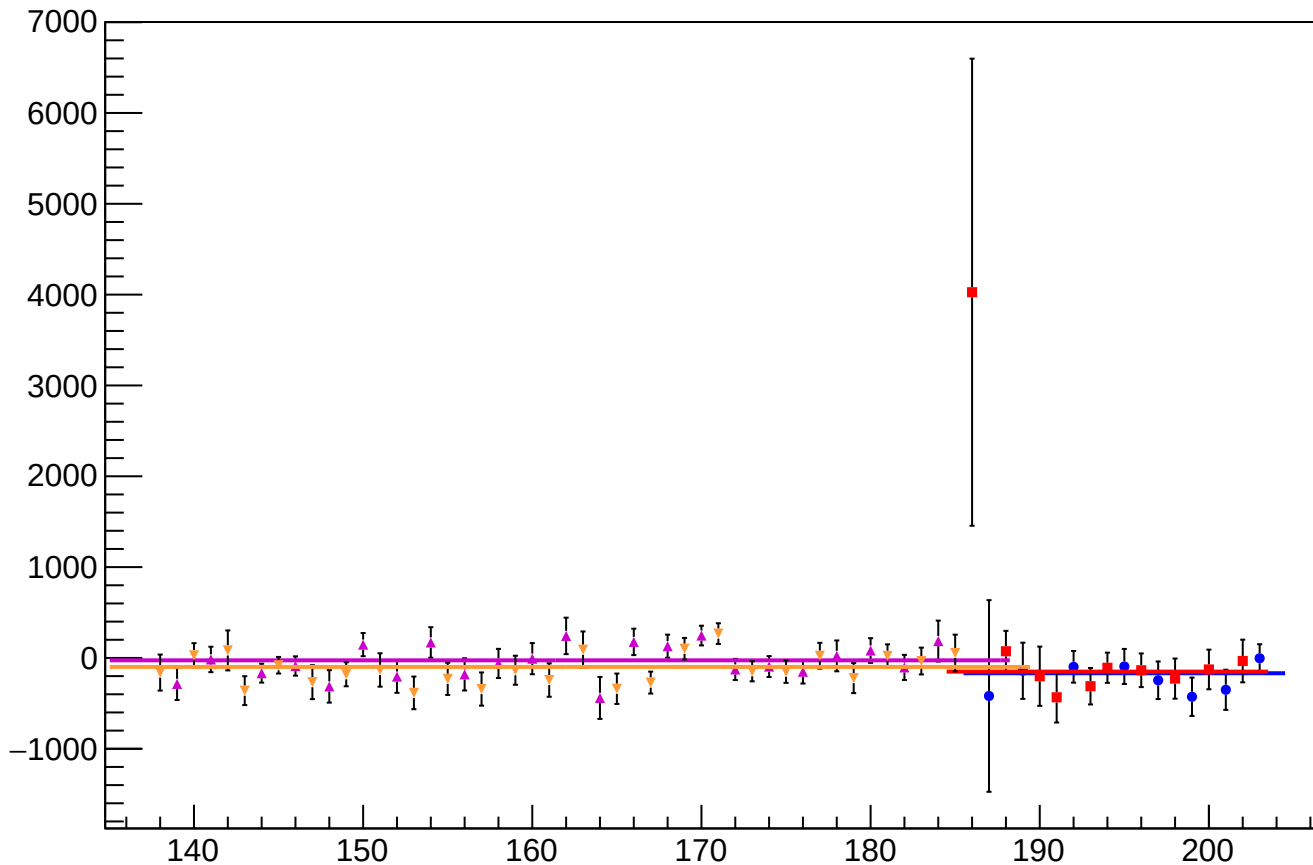
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 39.703 $\pm$ 0.006 χ^2 /NDF: 1147442.1/32

All: 40.050 $\pm$ 0.004 χ^2 /NDF: 2964154.8/65

- sign 40.416 $\pm$ 0.006 χ^2 /NDF: 1809383.5/32

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -168.412 ± 74.694 χ^2/NDF : 3.8/7

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -150.662 ± 72.148 χ^2/NDF : 5.8/9

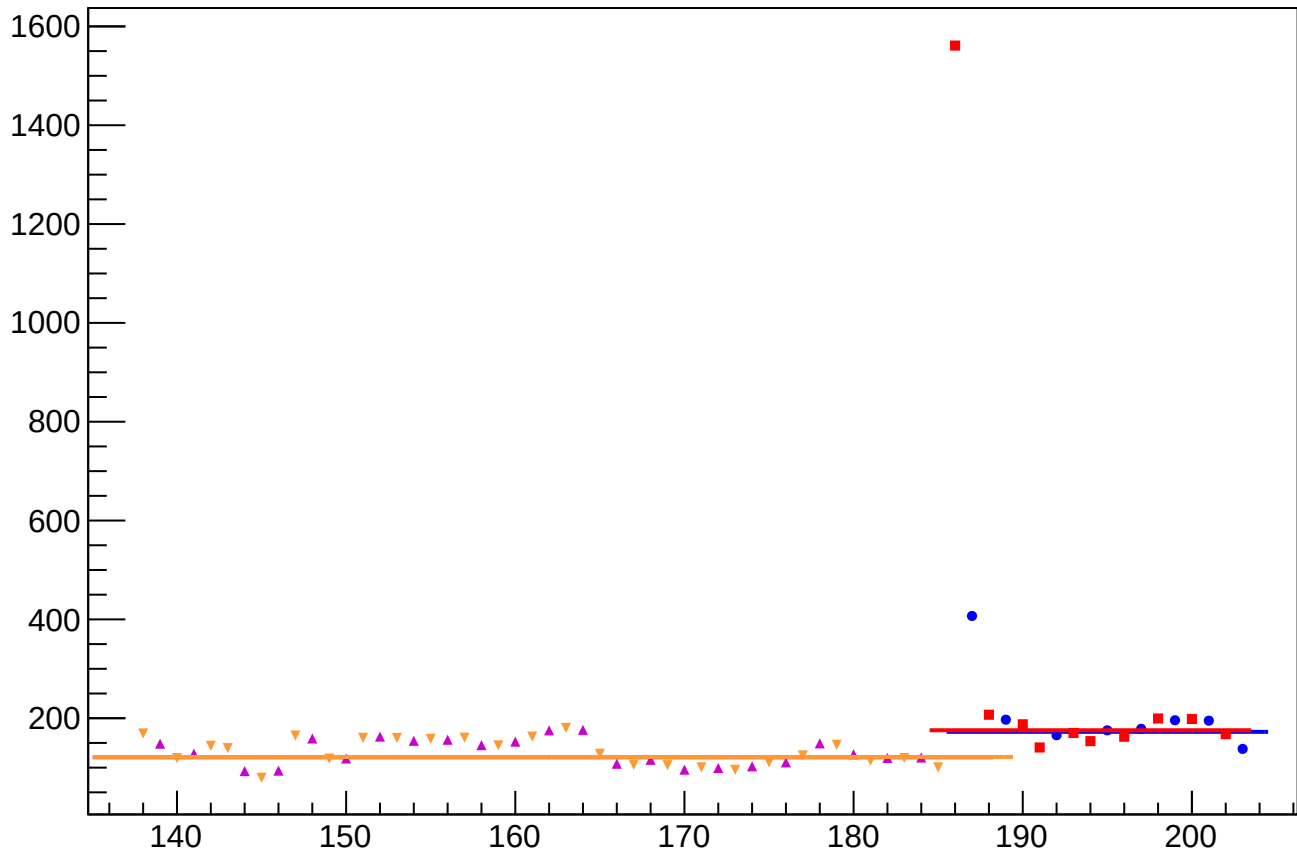
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -107.920 ± 27.111 χ^2/NDF : 37.3/32

All: -76.464 ± 19.287 χ^2/NDF : 79.1/65

- sign -44.229 ± 27.445 χ^2/NDF : 39.0/32

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 172.444 $\pm$ 0.053 χ^2/NDF : 262403.4/7

Left Out: 121.592 $\pm$ 0.021 χ^2/NDF : 1711423.9/24

Right Out: 175.661 $\pm$ 0.051 χ^2/NDF : 747849.5/9

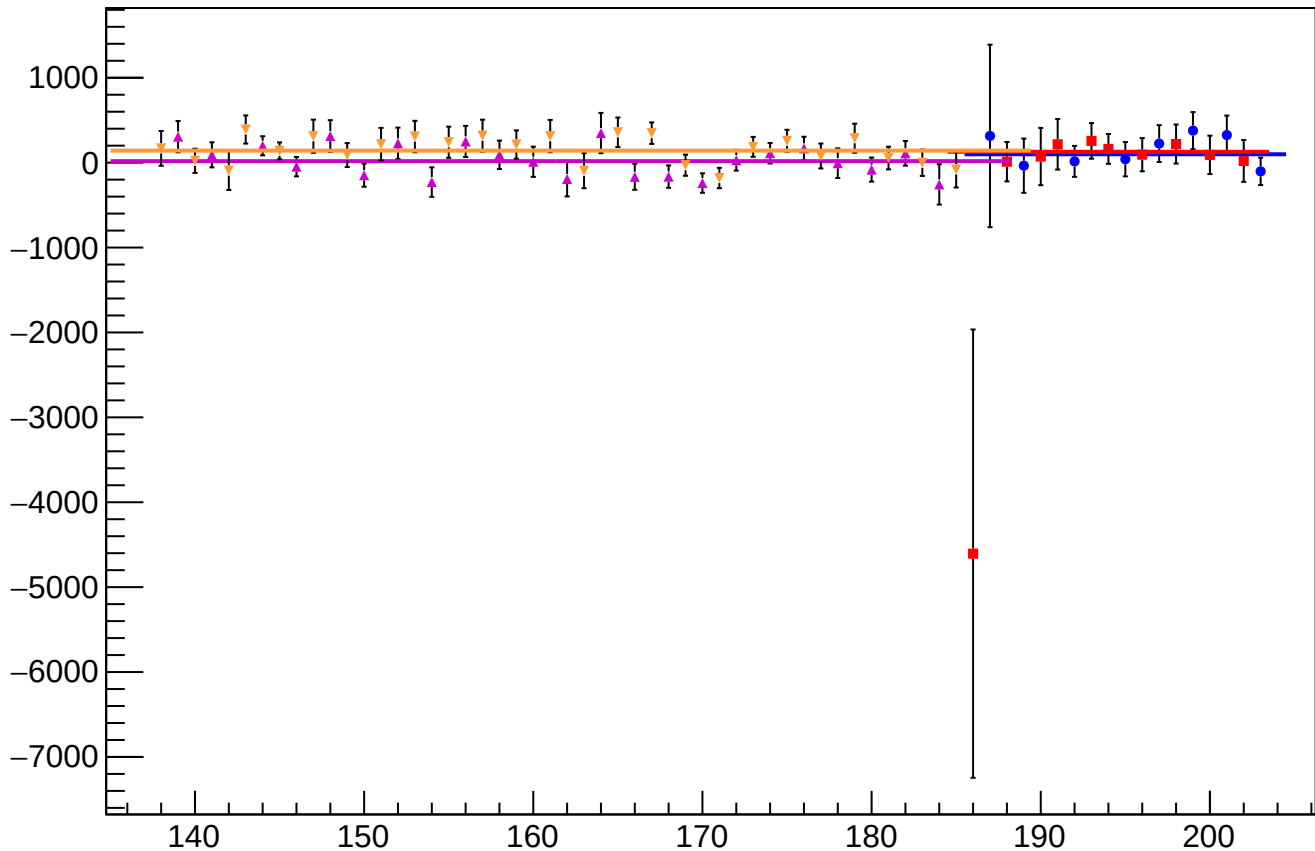
Left In: 120.927 $\pm$ 0.021 χ^2/NDF : 1382861.4/22

+ sign 128.291 $\pm$ 0.019 χ^2/NDF : 2778686.8/32

All: 128.566 $\pm$ 0.014 χ^2/NDF : 5894335.5/65

- sign 128.847 $\pm$ 0.019 χ^2/NDF : 3115233.6/32

asym_sam_37_26_dd_mean vs Slug



Right In: 98.815 $\pm$ 77.918 χ^2 /NDF: 5.0/7

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 128.145 $\pm$ 75.625 χ^2 /NDF: 4.4/9

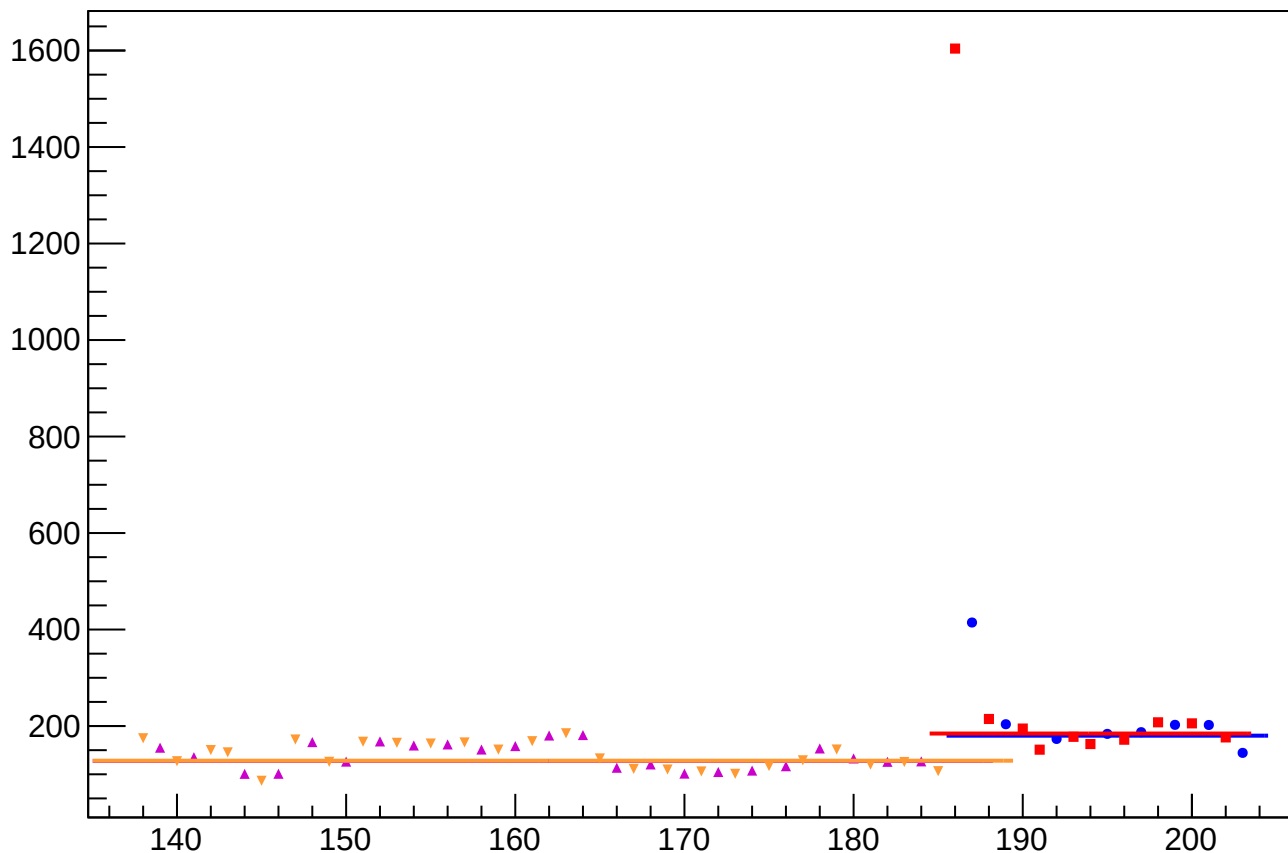
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 136.250 $\pm$ 28.462 χ^2 /NDF: 32.1/32

All: 85.694 $\pm$ 20.261 χ^2 /NDF: 74.9/65

- sign 33.754 $\pm$ 28.849 χ^2 /NDF: 36.4/32

asym_sam_37_26_dd_rms vs Slug



Right In: 180.056+/-0.055 χ^2/NDF : 249050.6/7

Left Out: 128.175+/-0.022 χ^2/NDF : 1532922.0/24

Right Out: 184.475+/-0.053 χ^2/NDF : 720339.2/9

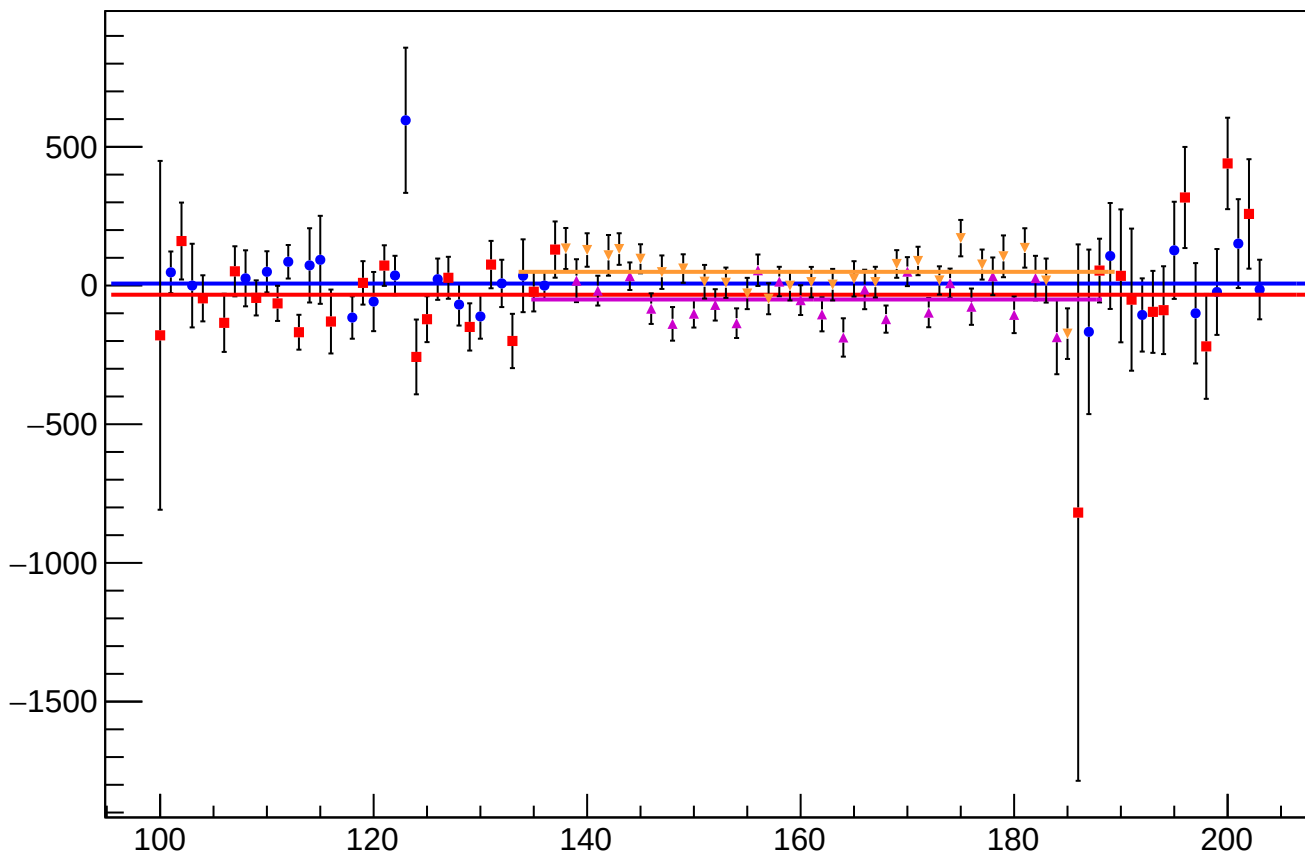
Left In: 127.544+/-0.022 χ^2/NDF : 1235705.3/22

+ sign 135.097+/-0.020 χ^2/NDF : 2550360.6/32

All: 135.458+/-0.014 χ^2/NDF : 5475565.2/65

- sign 135.828+/-0.020 χ^2/NDF : 2924554.2/32

reg_asym_sam_1357_avg_mean vs Slug



Right In: 7.108 ± 18.963 χ^2/NDF : 17.4/24

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -33.080 ± 18.391 χ^2/NDF : 42.1/28

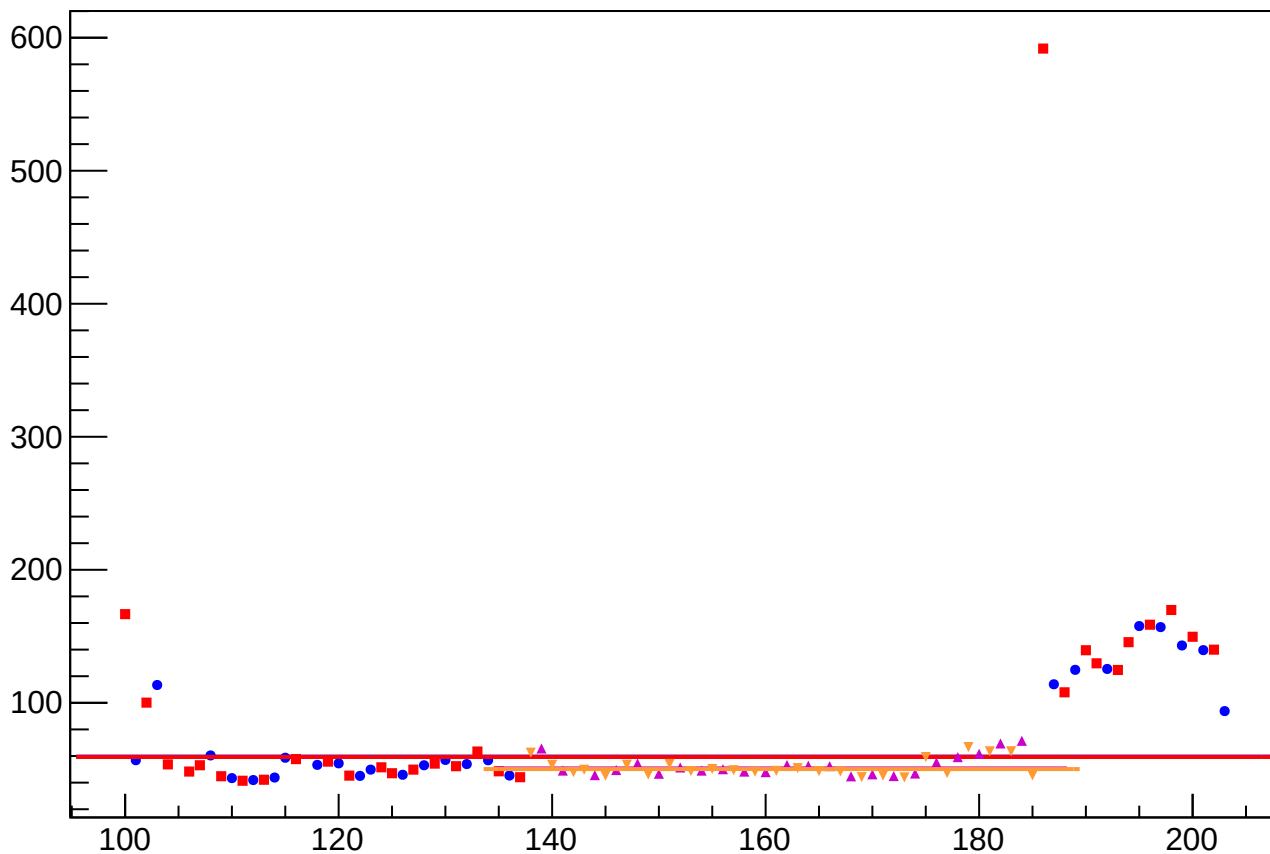
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 37.588 ± 10.022 χ^2/NDF : 49.1/49

All: -3.004 ± 7.148 χ^2/NDF : 157.3/101

- sign -45.027 ± 10.197 χ^2/NDF : 74.9/51

reg_asym_sam_1357_avg_rms vs Slug



Right In: 59.573+/-0.013 χ^2/NDF : 4202485.5/24

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 59.306+/-0.013 χ^2/NDF : 5498307.7/28

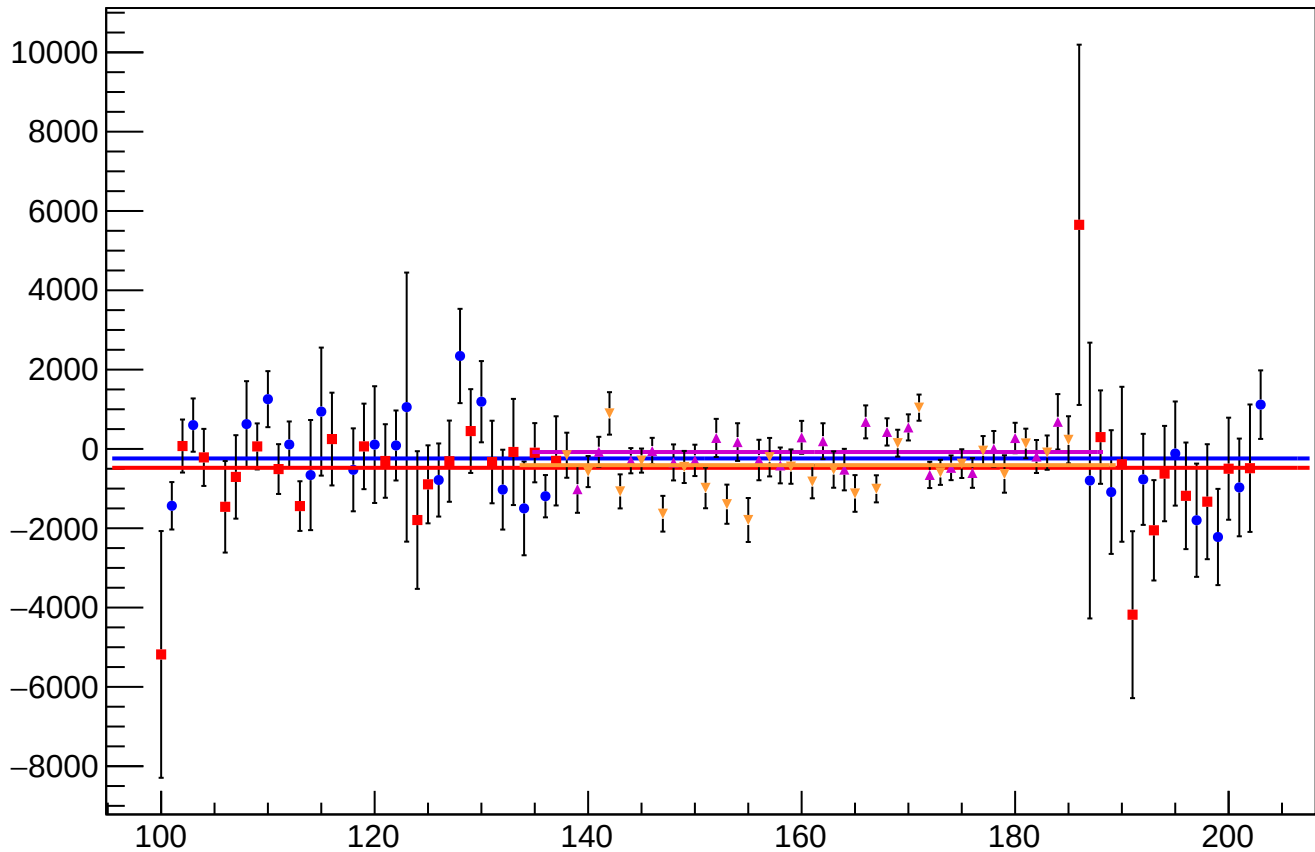
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 52.810+/-0.007 χ^2/NDF : 5023098.3/49

All: 53.068+/-0.005 χ^2/NDF : 11297895.0/101

- sign 53.334+/-0.007 χ^2/NDF : 6272112.5/51

asym_sam_1357_avg_correction_mean vs Slug



Right In: -239.849 ± 190.582 χ^2/NDF : 31.2/24

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -475.975 ± 186.946 χ^2/NDF : 17.3/28

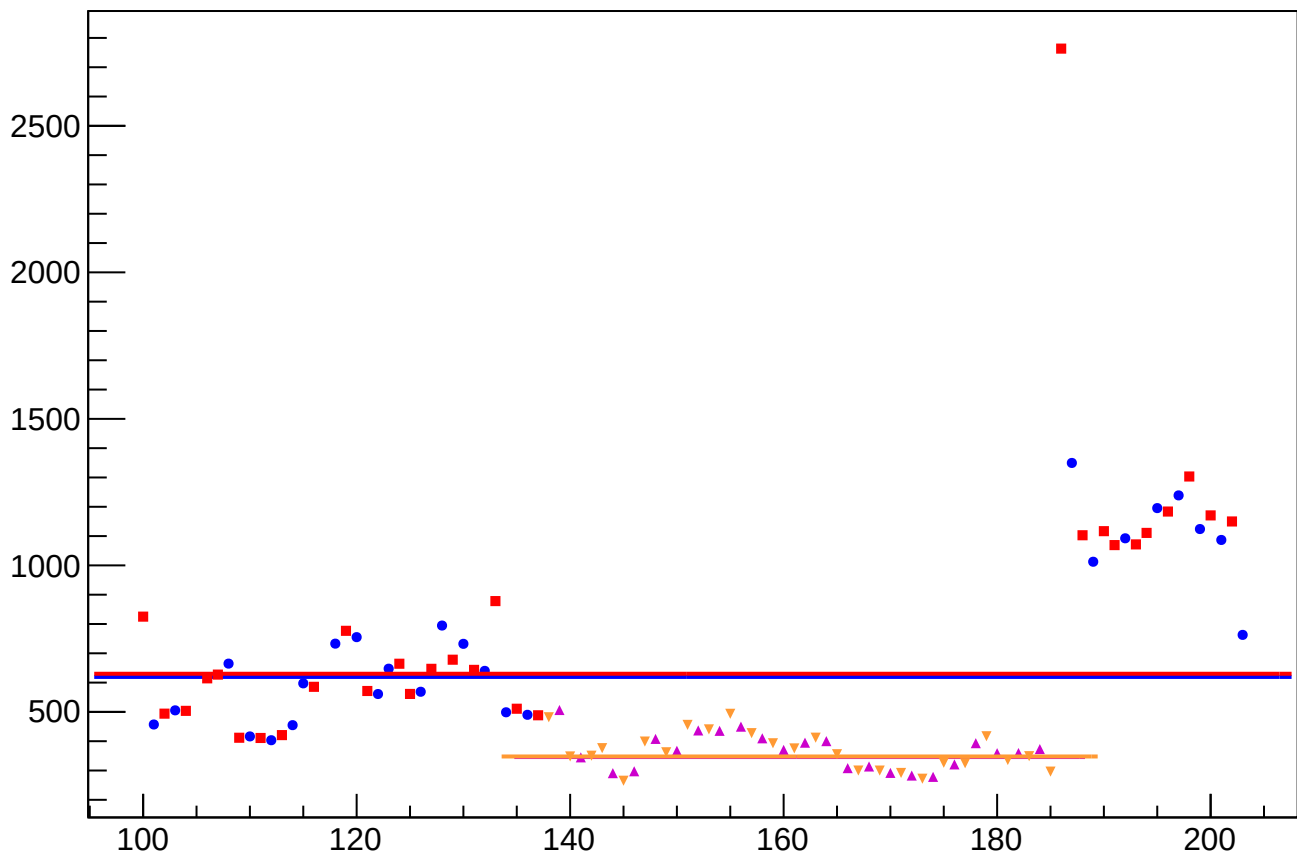
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -382.526 ± 75.593 χ^2/NDF : 93.6/49

All: -265.373 ± 53.831 χ^2/NDF : 144.3/101

- sign -144.841 ± 76.676 χ^2/NDF : 45.9/51

asym_sam_1357_avg_correction_rms vs Slug



Right In: 619.379 ± 0.135 $\chi^2/\text{NDF}: 2946121.1/24$

Left Out: 347.875 ± 0.058 $\chi^2/\text{NDF}: 1044096.7/24$

Right Out: 630.190 ± 0.132 $\chi^2/\text{NDF}: 3988347.6/28$

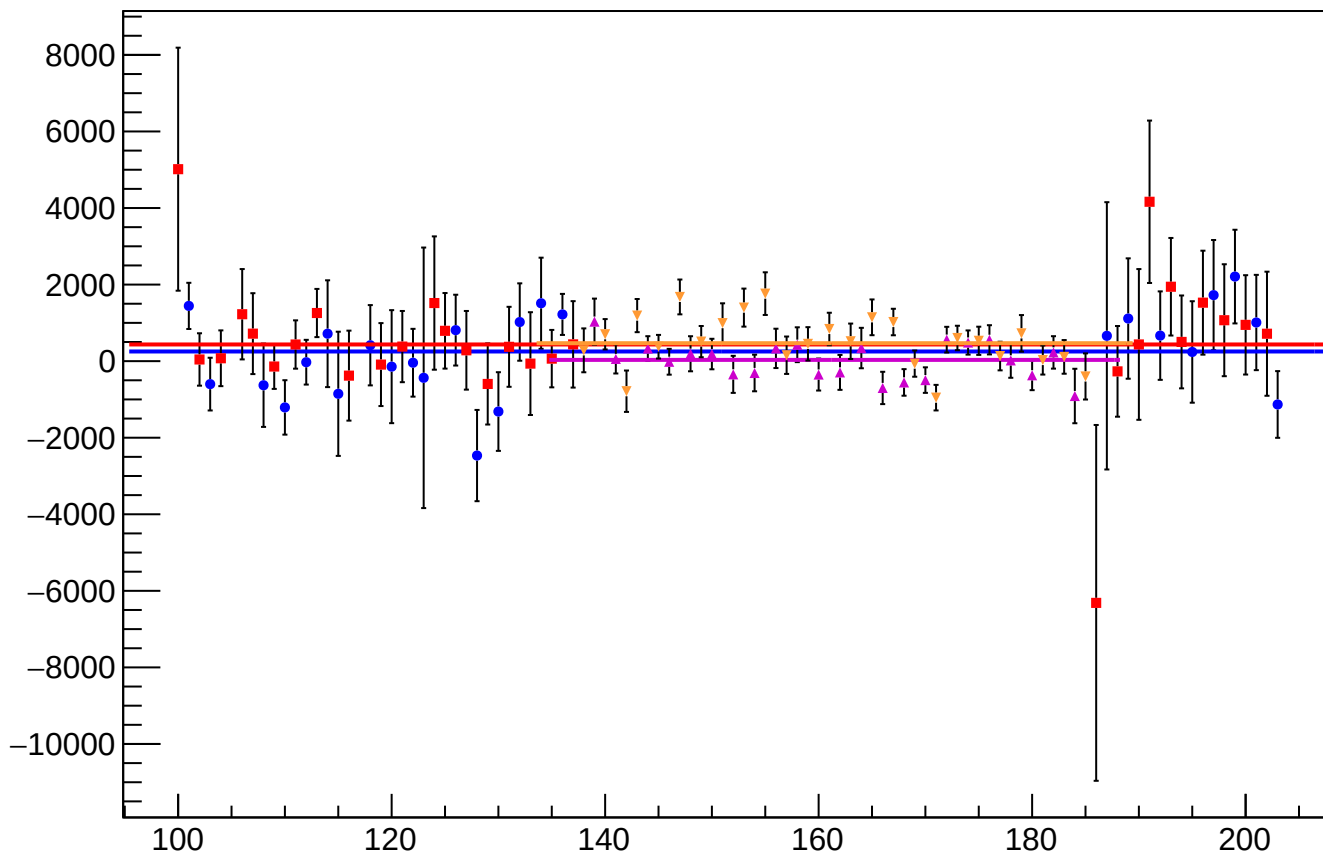
Left In: 345.954 ± 0.059 $\chi^2/\text{NDF}: 900847.0/22$

+ sign 390.590 ± 0.053 $\chi^2/\text{NDF}: 7410616.9/49$

All: 392.157 ± 0.038 $\chi^2/\text{NDF}: 16147148.0/10$

- sign 393.769 ± 0.054 $\chi^2/\text{NDF}: 8734788.3/51$

asym_sam_1357_avg_mean vs Slug



Right In: 252.509 $\pm$ 191.967 χ^2 /NDF: 31.2/24

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF:57.5/24

Right Out: 435.830 $\pm$ 188.405 χ^2 /NDF: 16.4/28

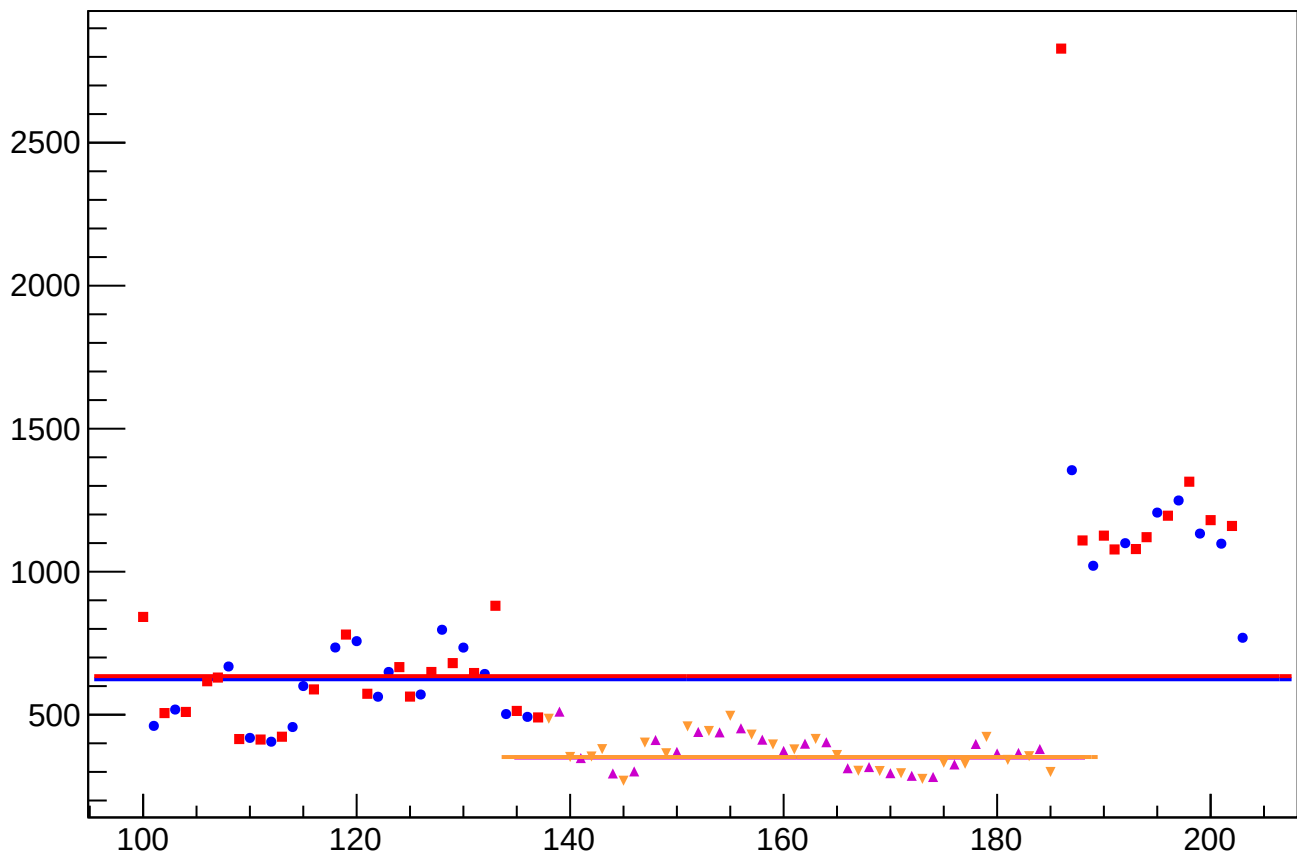
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF:25.7/22

+ sign 434.583 $\pm$ 76.412 χ^2 /NDF: 89.7/49

All: 270.231 $\pm$ 54.422 χ^2 /NDF: 145.0/101

- sign 101.045 $\pm$ 77.528 χ^2 /NDF: 45.9/51

asym_sam_1357_avg_rms vs Slug



Right In: 623.931+/-0.136 χ^2/NDF : 2943559.1/24

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 634.810+/-0.133 χ^2/NDF : 3990669.4/28

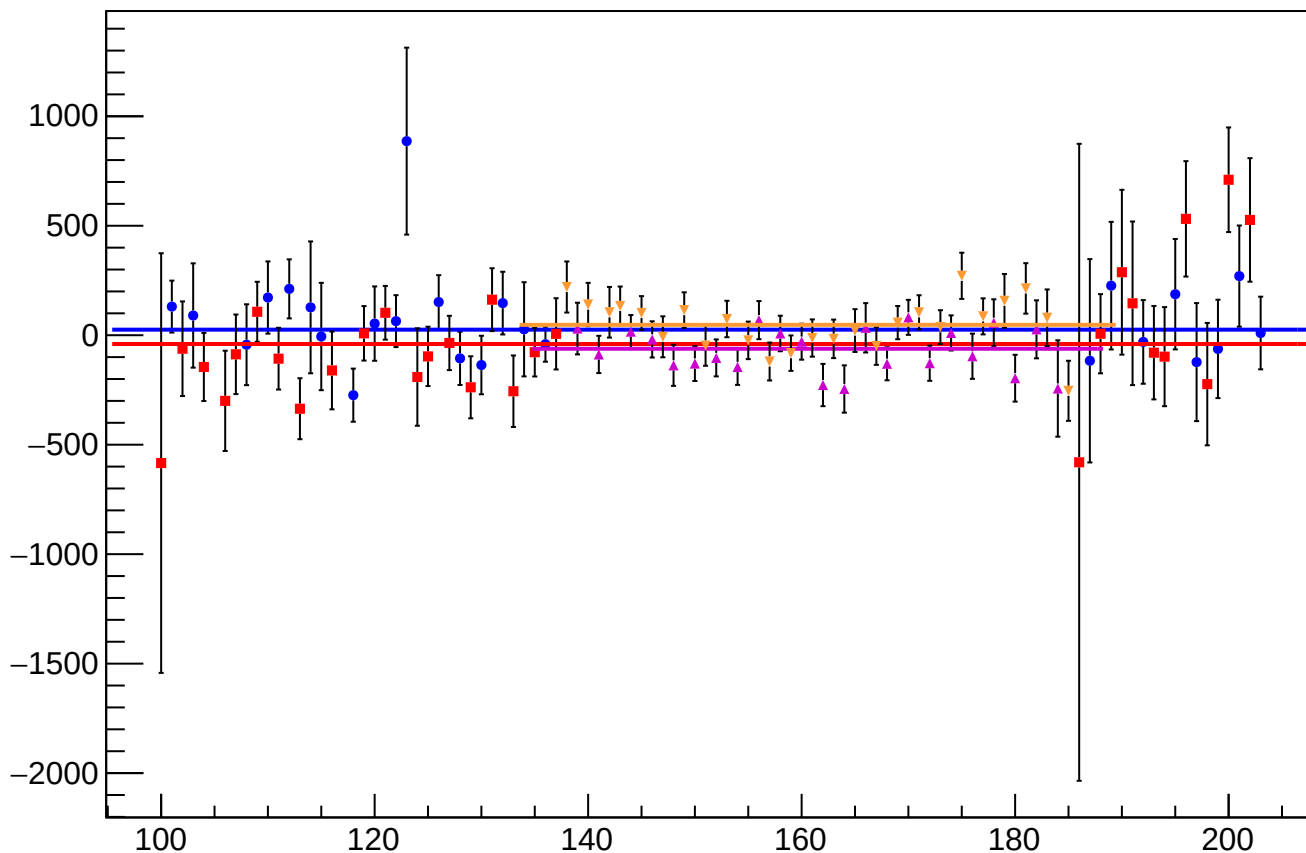
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 395.098+/-0.054 χ^2/NDF : 7337740.5/49

All: 396.705+/-0.038 χ^2/NDF : 16000810.6/100

- sign 398.360+/-0.055 χ^2/NDF : 8661274.2/51

reg_asym_sam_2468_avg_mean vs Slug



Right In: 25.389 ± 31.917 χ^2/NDF : 21.9/24

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -40.129 ± 32.112 χ^2/NDF : 36.8/28

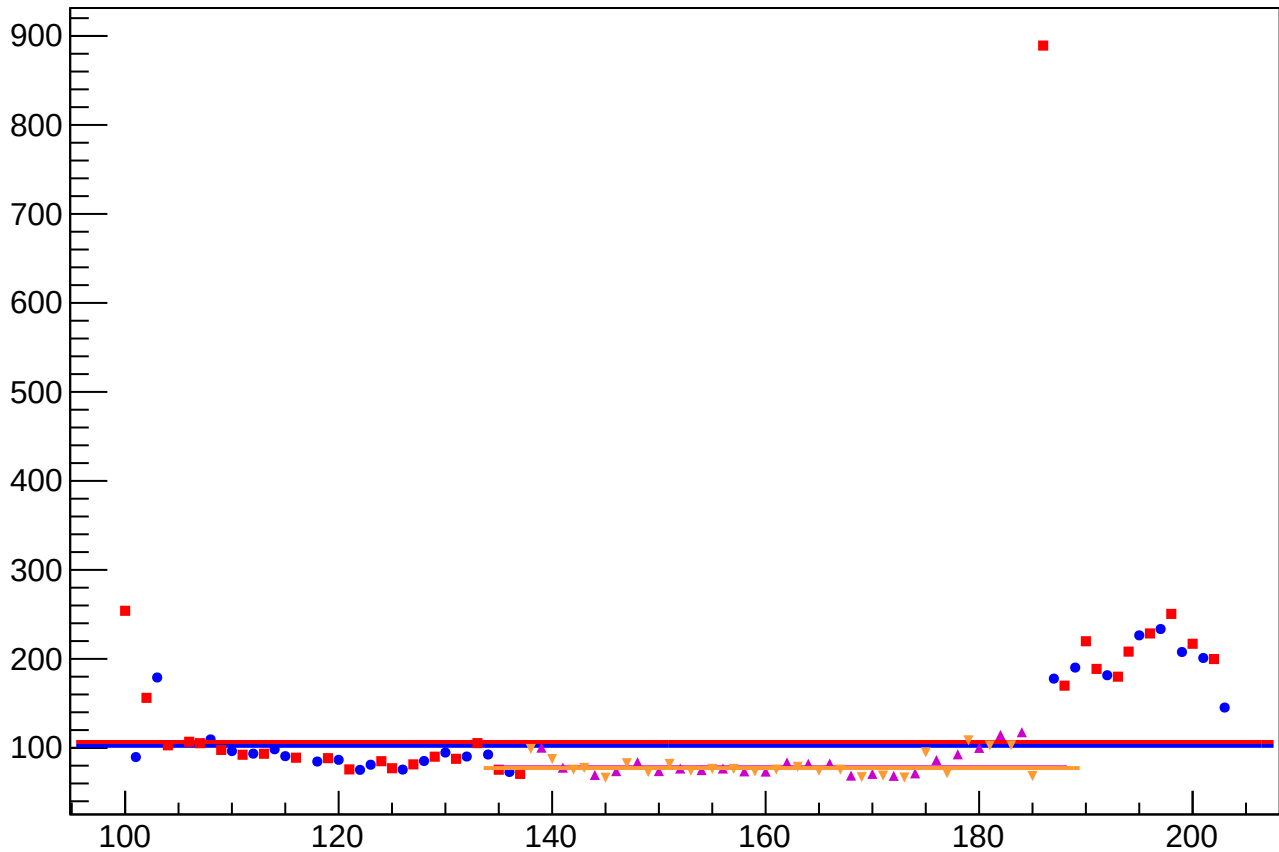
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 41.995 ± 15.845 χ^2/NDF : 51.6/49

All: -5.647 ± 11.370 χ^2/NDF : 131.4/101

- sign -56.221 ± 16.325 χ^2/NDF : 61.1/51

reg_asym_sam_2468_avg_rms vs Slug



Right In: 102.321+/-0.023 χ^2/NDF : 3324411.6/24

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 106.614+/-0.023 χ^2/NDF : 4246900.8/28

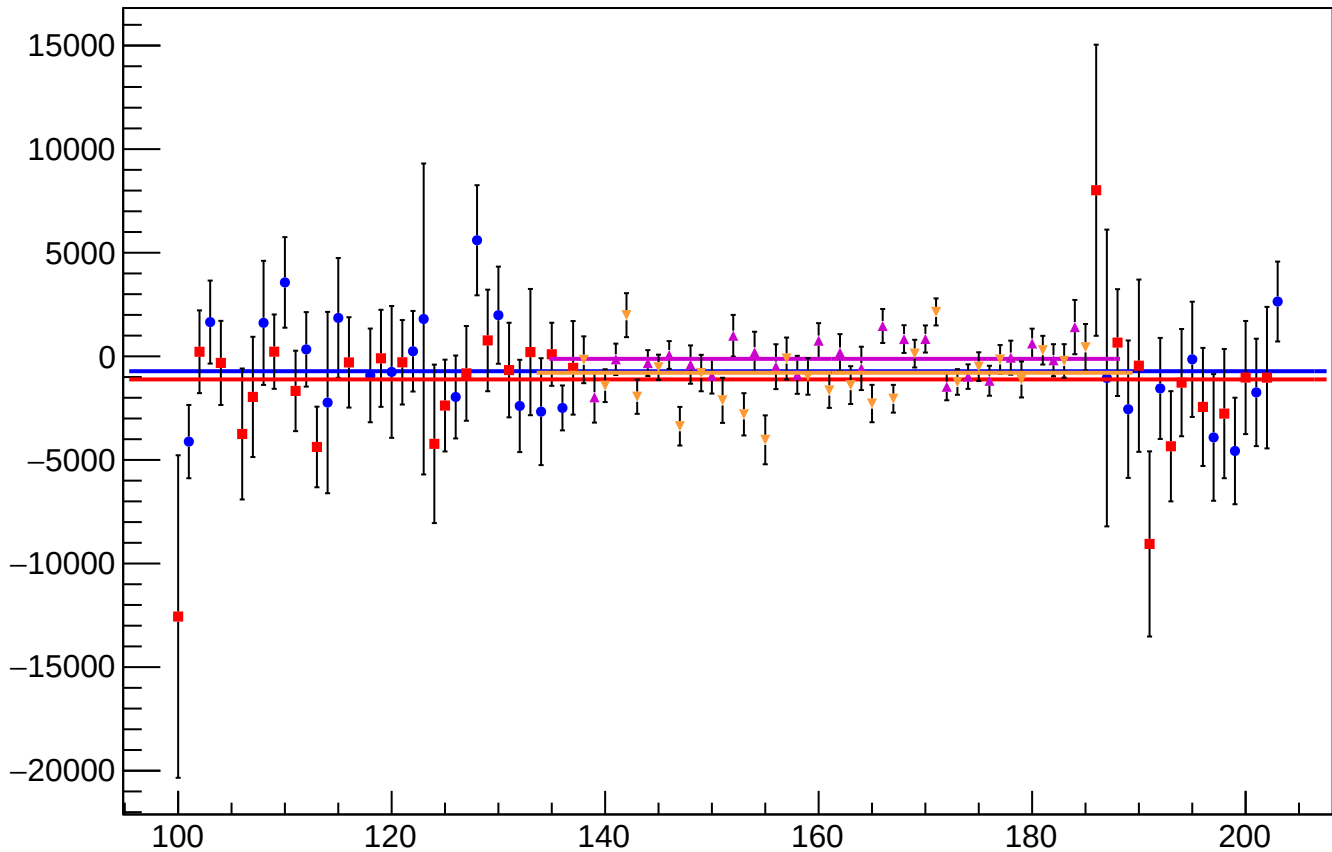
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 83.478+/-0.011 χ^2/NDF : 4885009.5/49

All: 84.458+/-0.008 χ^2/NDF : 10895924.1/101

- sign 85.498+/-0.012 χ^2/NDF : 5995155.5/51

asym_sam_2468_avg_correction_mean vs Slug



Right In: -718.071 ± 456.069 χ^2/NDF : 29.3/24

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1114.199 ± 457.654 χ^2/NDF : 17.3/28

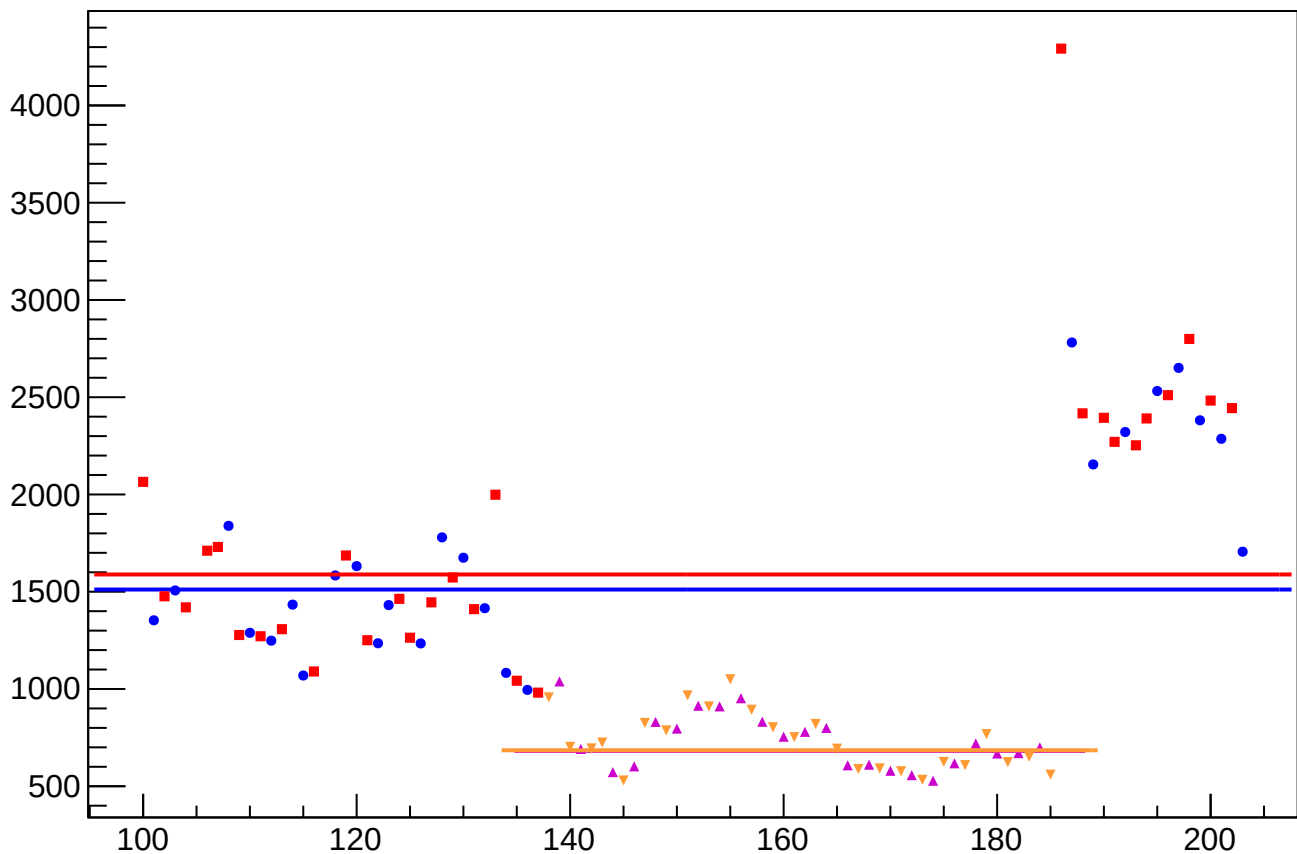
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -784.345 ± 153.206 χ^2/NDF : 96.0/49

All: -516.369 ± 109.381 χ^2/NDF : 149.6/101

- sign -237.774 ± 156.212 χ^2/NDF : 47.4/51

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1511.306 $\pm$ 0.322 χ^2 /NDF: 2110786.0/24

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF:1280146.2/24

Right Out: 1588.686 $\pm$ 0.324 χ^2 /NDF: 2650141.2/28

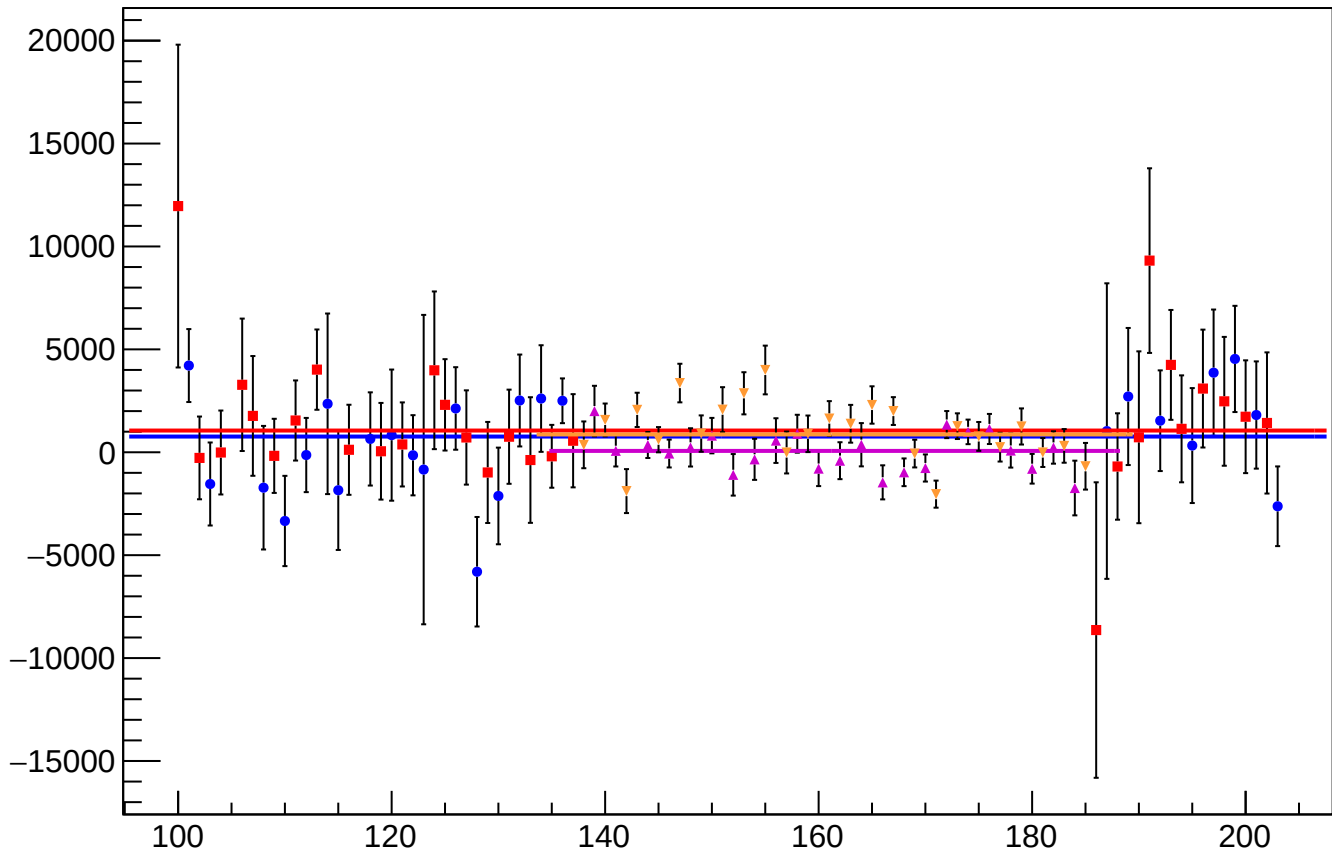
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF:1119637.0/22

+ sign 778.056 $\pm$ 0.108 χ^2 /NDF: 9218334.7/49

All: 782.628 $\pm$ 0.077 χ^2 /NDF: 19931555.0/10

- sign 787.382 $\pm$ 0.110 χ^2 /NDF: 10709586.8/51

asym_sam_2468_avg_mean vs Slug



Right In: 763.552 ± 457.490 χ^2/NDF : 29.3/24

Left Out: 865.597 ± 163.885 χ^2/NDF : 62.8/24

Right Out: 1055.735 ± 459.260 χ^2/NDF : 16.9/28

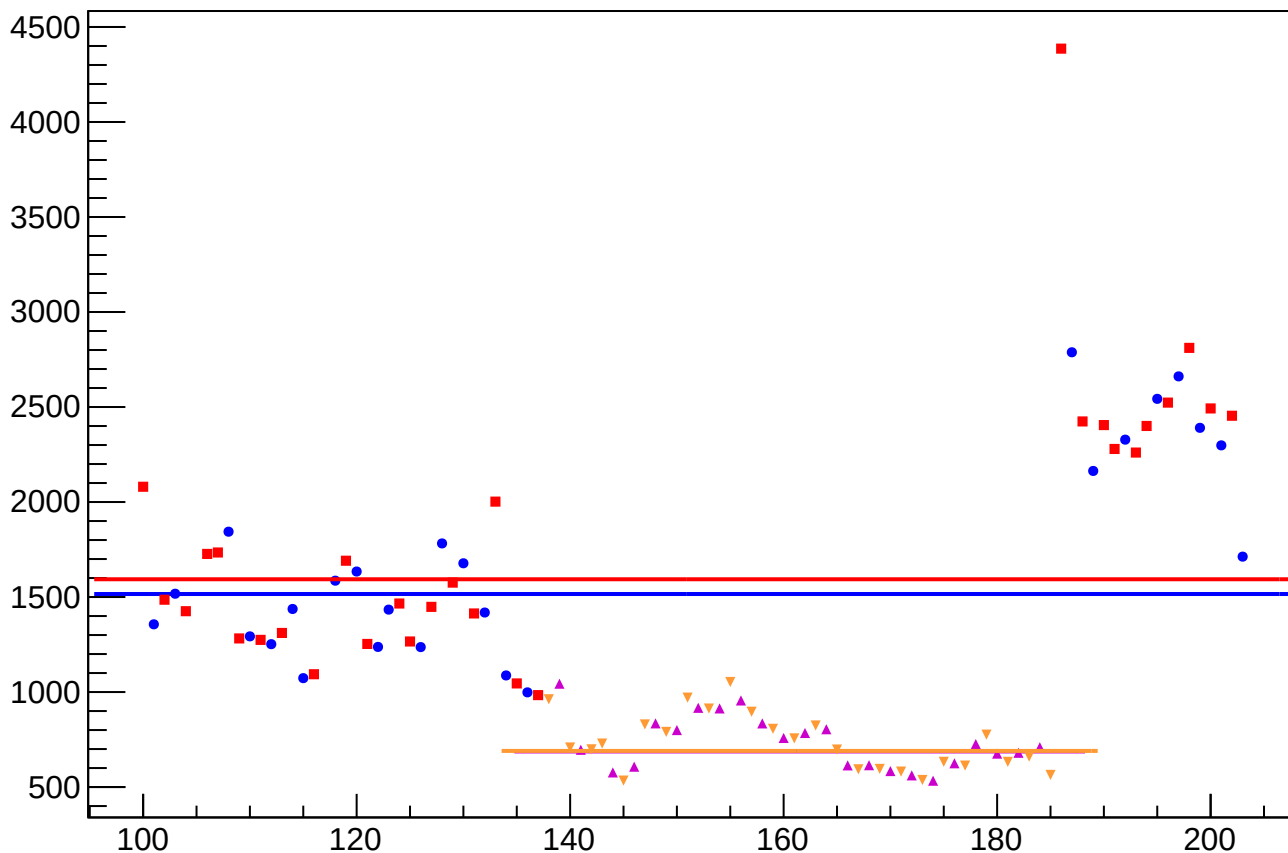
Left In: 65.924 ± 167.485 χ^2/NDF : 26.4/22

+ sign 853.991 ± 154.285 χ^2/NDF : 92.2/49

All: 524.655 ± 110.163 χ^2/NDF : 149.0/101

- sign 182.111 ± 157.348 χ^2/NDF : 47.5/51

asym_sam_2468_avg_rms vs Slug



Right In: 1515.872 $\pm$ 0.323 χ^2 /NDF: 2115210.9/24

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF:1258158.2/24

Right Out: 1593.527 $\pm$ 0.325 χ^2 /NDF: 2662820.6/28

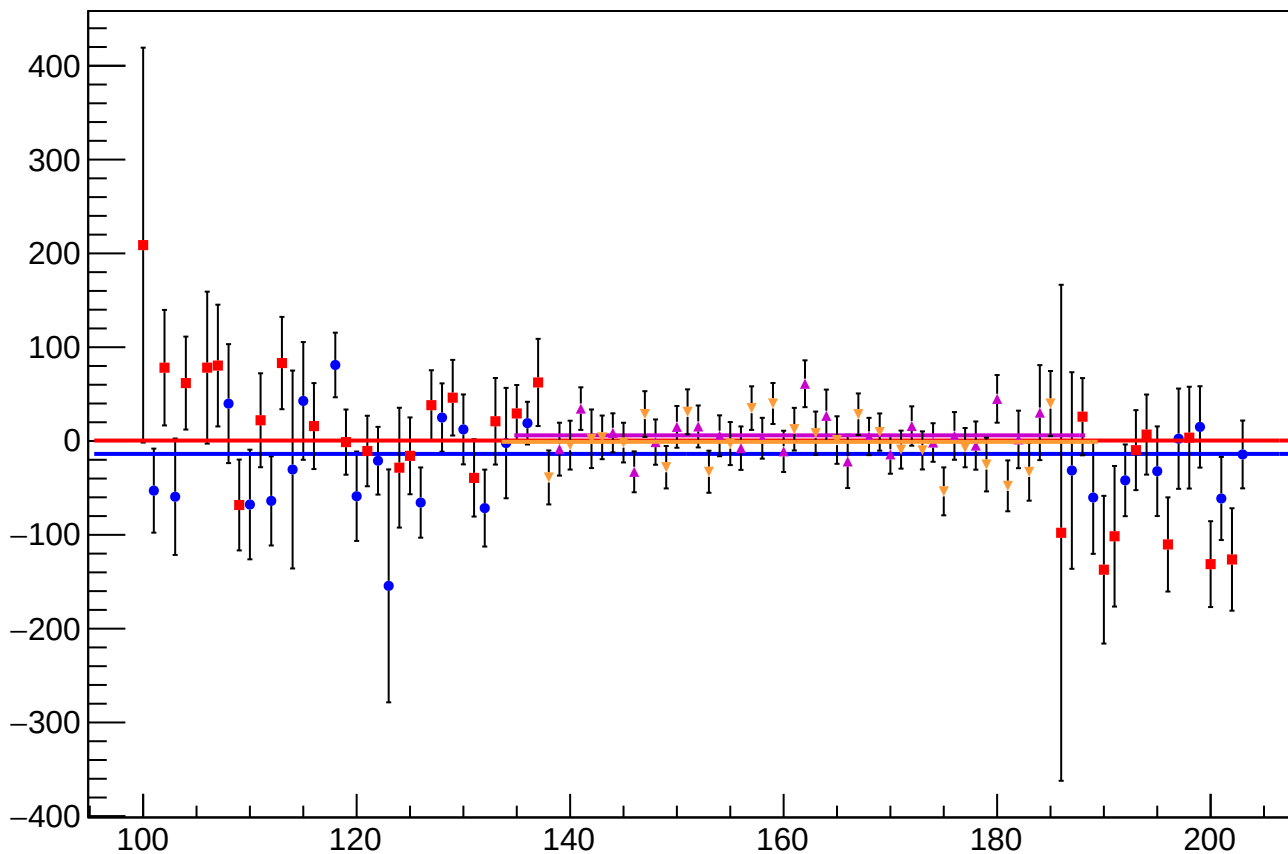
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF:1099706.1/22

+ sign 784.075 $\pm$ 0.109 χ^2 /NDF: 9147445.8/49

All: 788.745 $\pm$ 0.078 χ^2 /NDF: 19788198.0/10

- sign 793.602 $\pm$ 0.111 χ^2 /NDF: 10637014.6/51

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -13.735 ± 8.821 χ^2/NDF : 25.3/24

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 0.520 ± 8.868 χ^2/NDF : 42.3/28

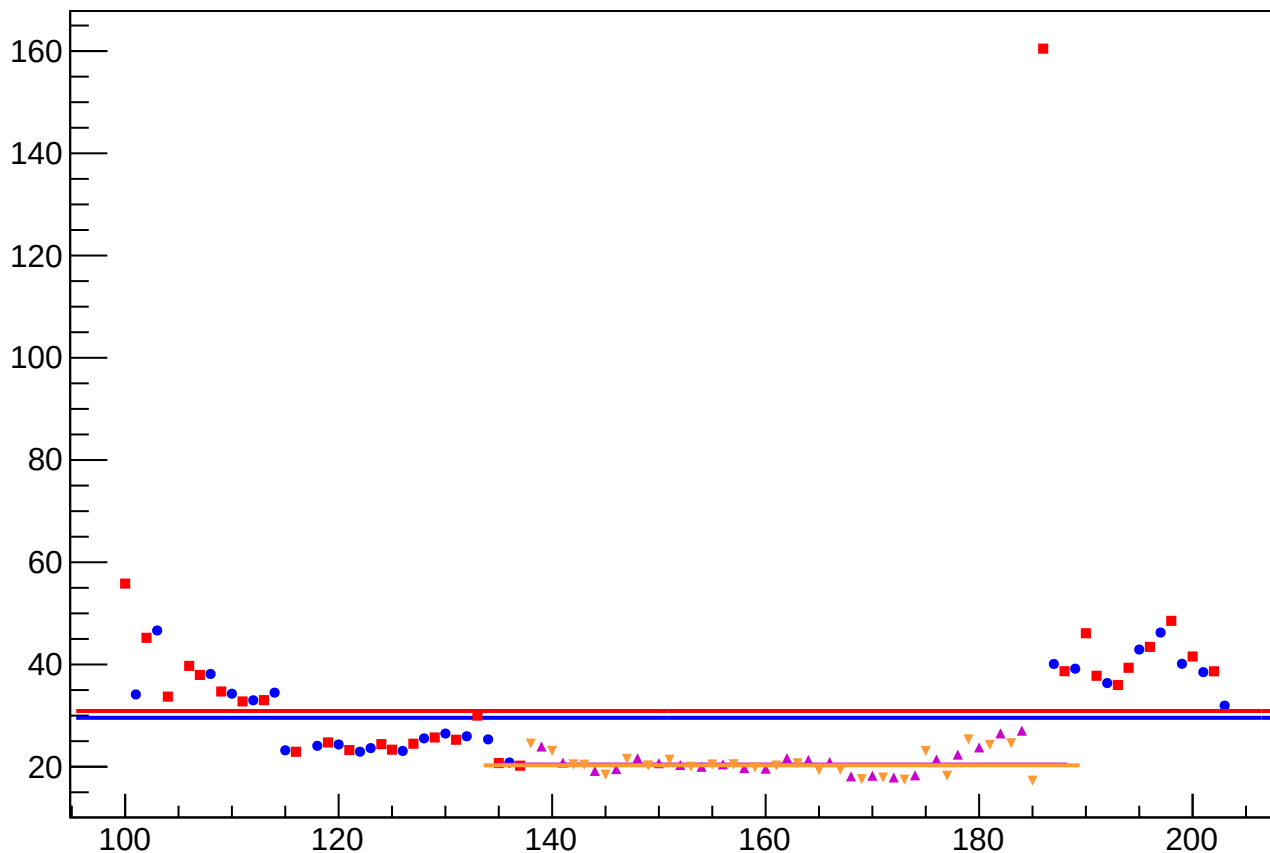
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.765 ± 4.189 χ^2/NDF : 54.8/49

All: 0.371 ± 3.003 χ^2/NDF : 116.4/101

- sign 4.740 ± 4.306 χ^2/NDF : 59.5/51

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.570+/-0.006 χ^2/NDF : 1517428.7/24

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 30.906+/-0.006 χ^2/NDF : 2201096.3/28

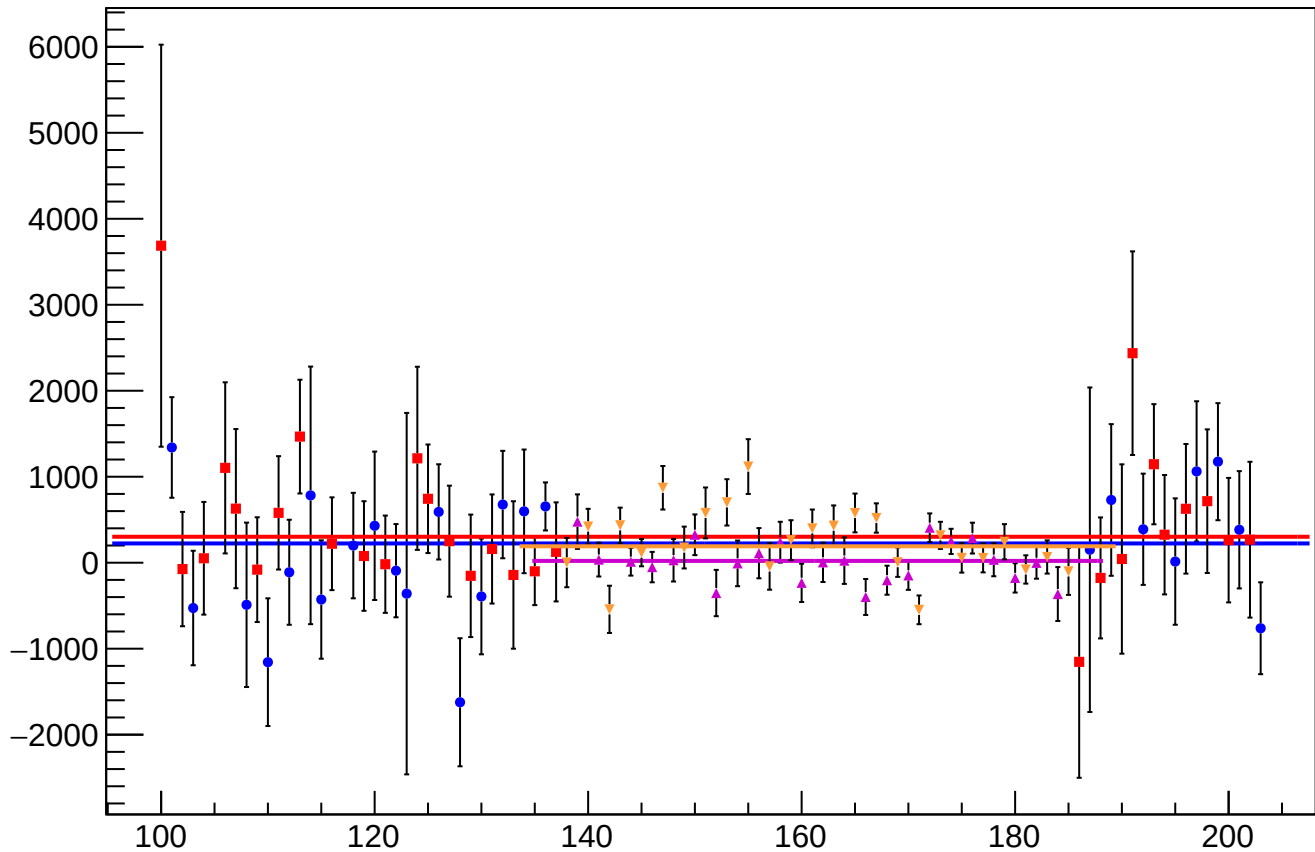
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 22.375+/-0.003 χ^2/NDF : 3642919.6/49

All: 22.628+/-0.002 χ^2/NDF : 8317822.8/101

- sign 22.895+/-0.003 χ^2/NDF : 4659921.8/51

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 223.923 $\pm$ 128.404 χ^2/NDF : 28.3/24

Left Out: 190.867 $\pm$ 41.314 χ^2/NDF : 67.9/24

Right Out: 301.771 $\pm$ 130.318 χ^2/NDF : 17.4/28

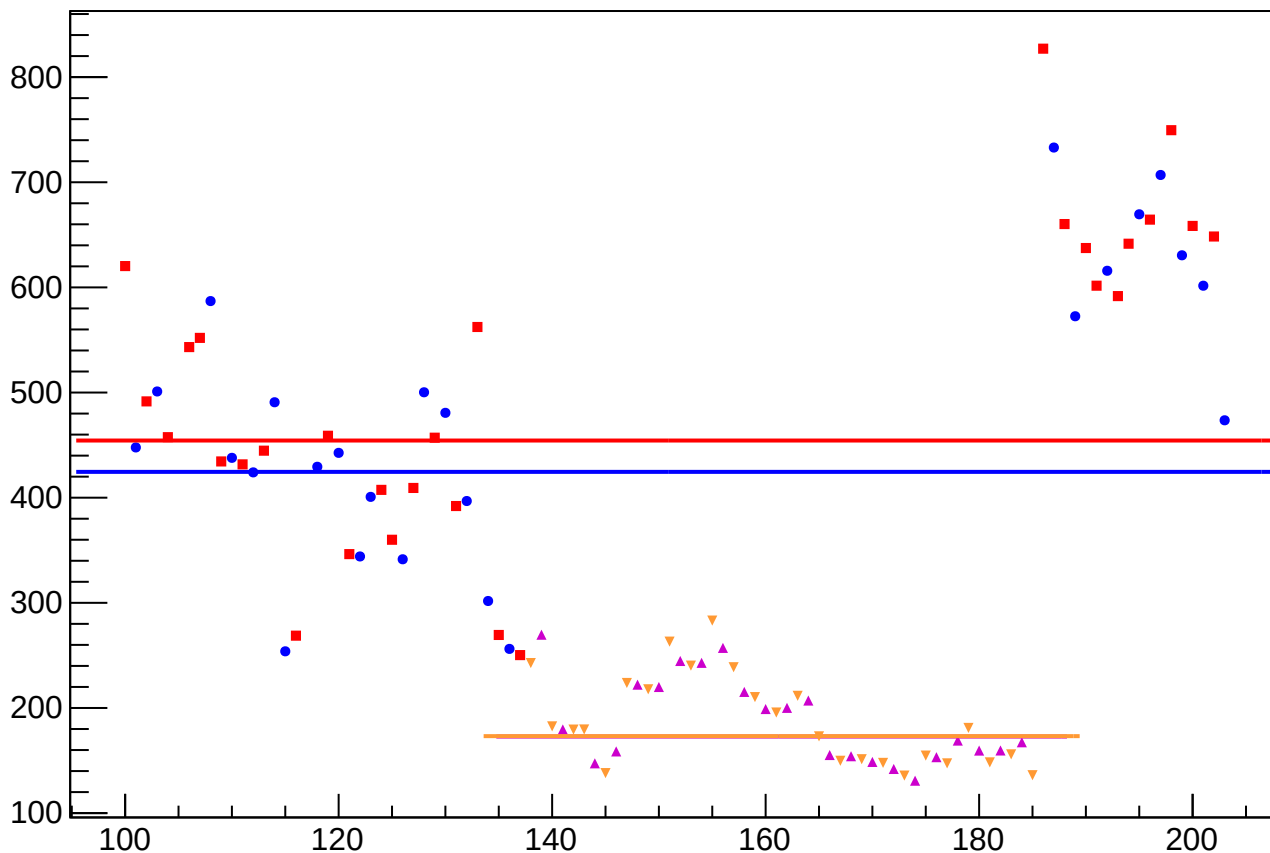
Left In: 20.998 $\pm$ 42.291 χ^2/NDF : 27.7/22

+ sign 193.968 $\pm$ 39.328 χ^2/NDF : 96.2/49

All: 122.508 $\pm$ 28.121 χ^2/NDF : 152.3/101

- sign 47.750 $\pm$ 40.226 χ^2/NDF : 49.3/51

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 424.555 $\pm$ 0.091 χ^2 /NDF: 2209425.4/24

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF: 1561250.6/24

Right Out: 454.364 $\pm$ 0.092 χ^2 /NDF: 2460275.9/28

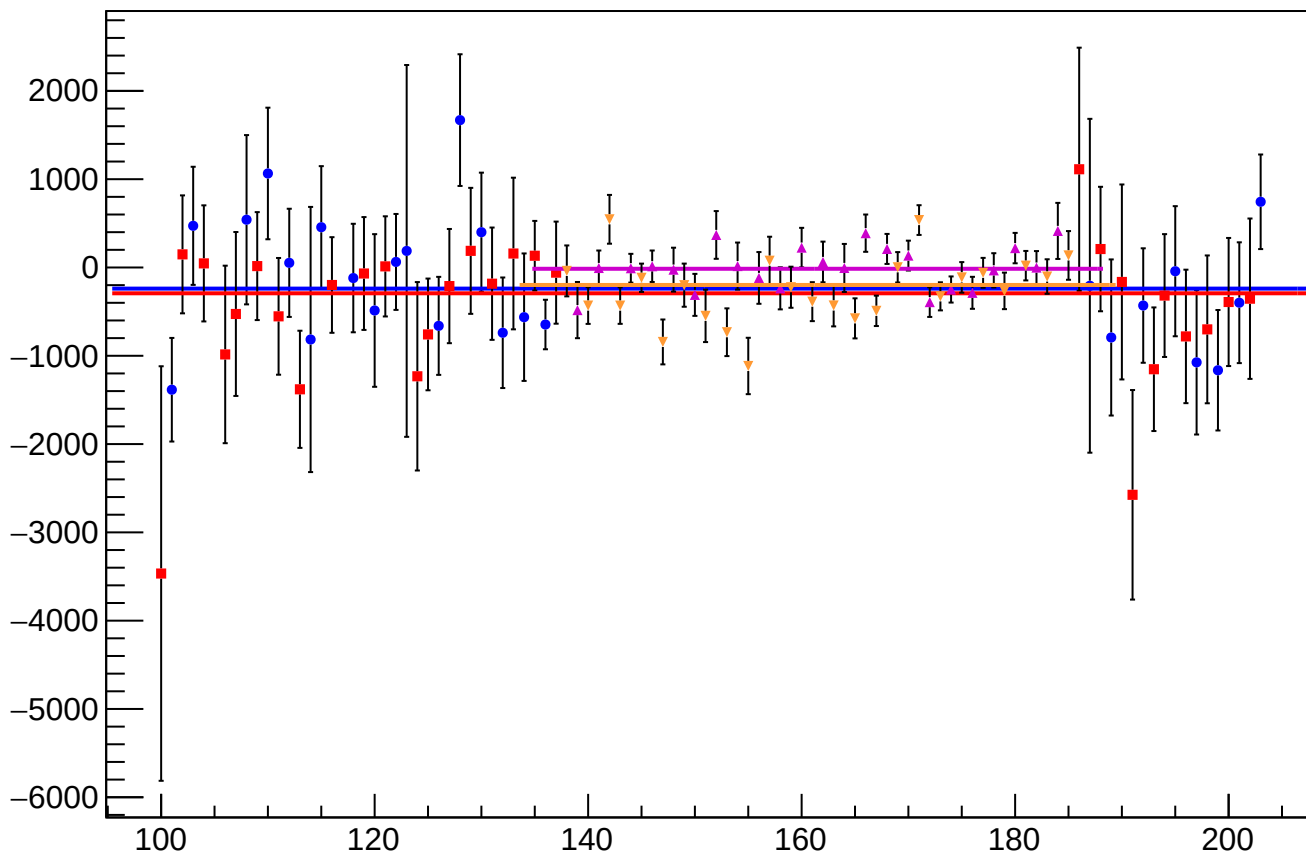
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF: 1372131.7/22

+ sign 196.789 $\pm$ 0.028 χ^2 /NDF: 10715006.2/49

All: 198.188 $\pm$ 0.020 χ^2 /NDF: 22997698.9/10

- sign 199.652 $\pm$ 0.028 χ^2 /NDF: 12277510.9/51

asym_sam_1357_2468_dd_mean vs Slug



Right In: -239.280 ± 128.759 χ^2/NDF : 28.3/24

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -292.211 ± 130.704 χ^2/NDF : 17.5/28

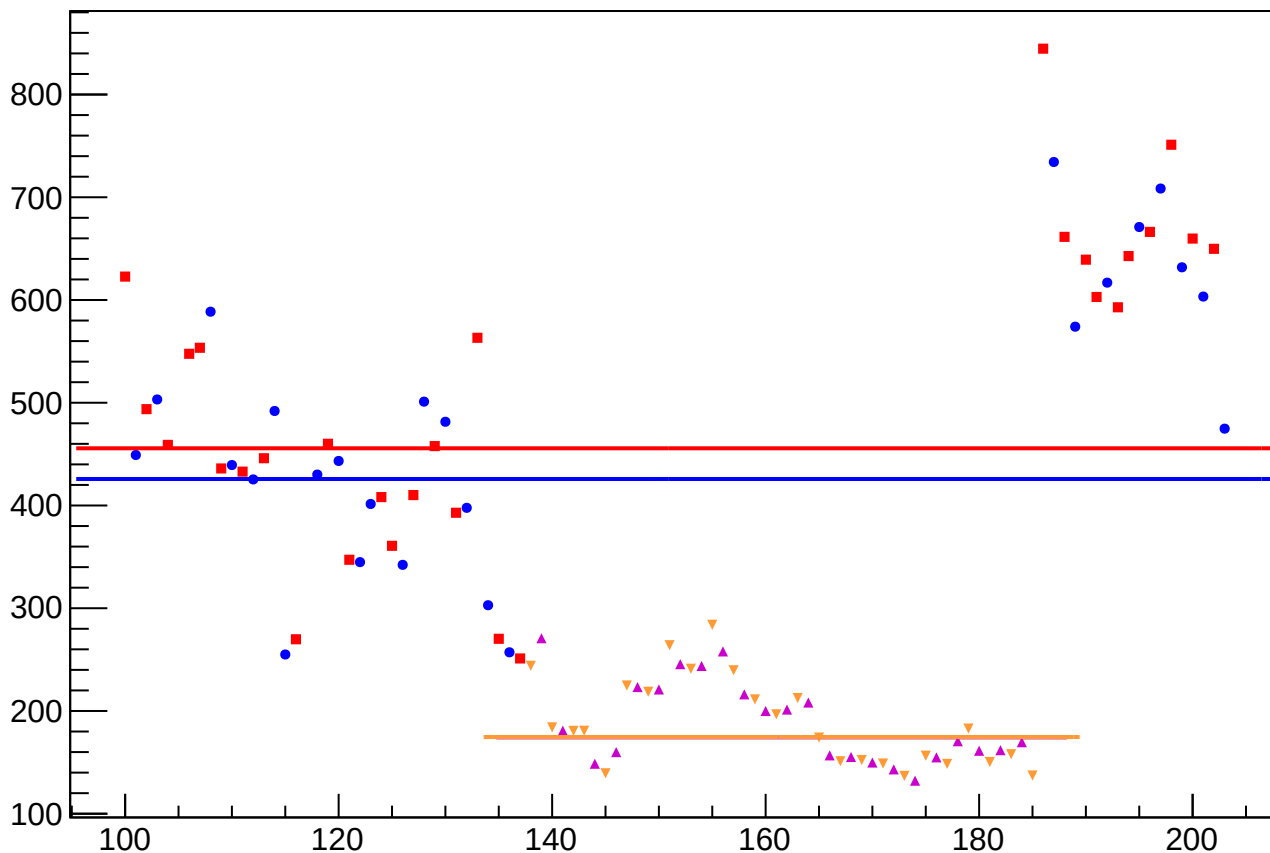
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -201.834 ± 39.618 χ^2/NDF : 92.7/49

All: -123.392 ± 28.331 χ^2/NDF : 150.0/101

- sign -41.306 ± 40.528 χ^2/NDF : 49.3/51

asym_sam_1357_2468_dd_rms vs Slug



Right In: 425.795 $\pm$ 0.091 χ^2 /NDF: 2203332.4/24

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF: 1531999.5/24

Right Out: 455.665 $\pm$ 0.092 χ^2 /NDF: 2463364.4/28

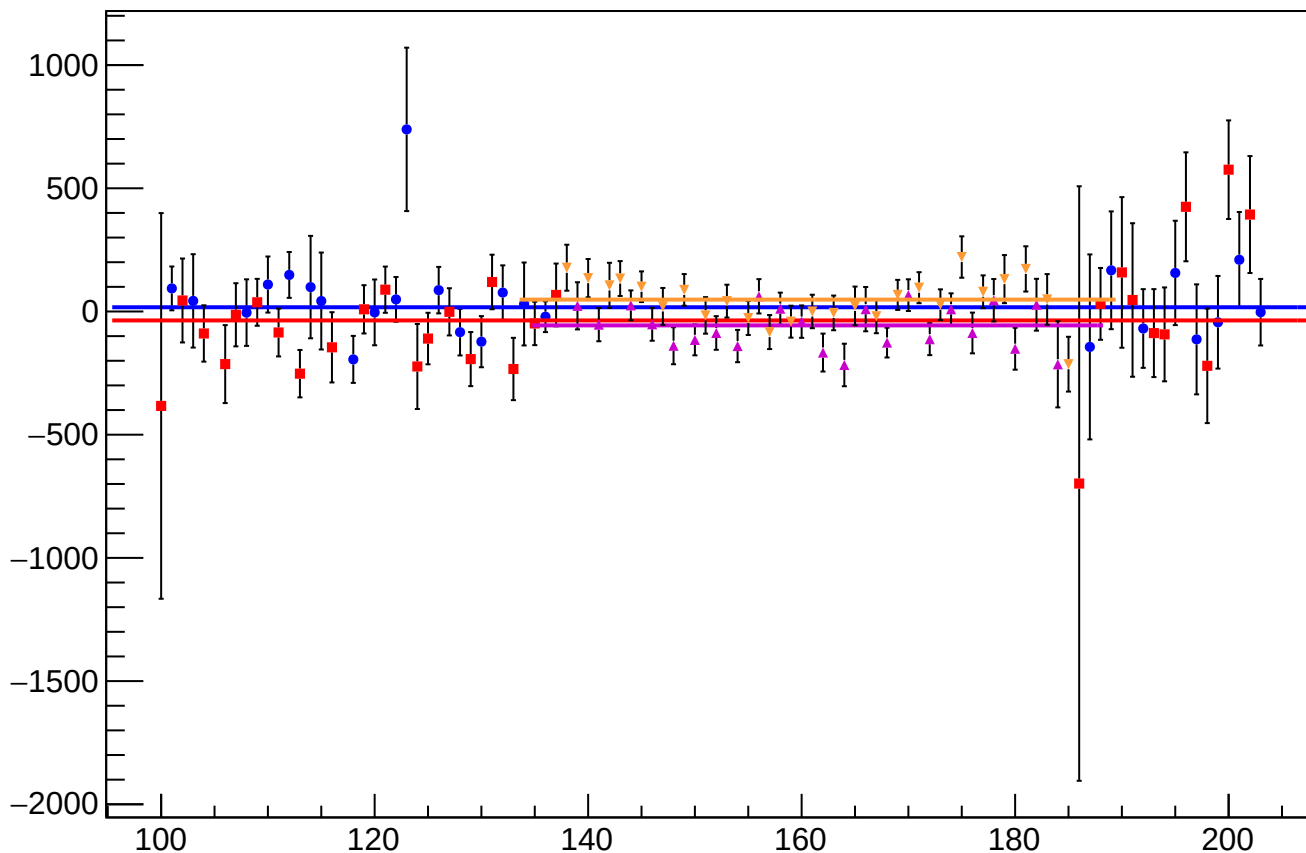
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF: 1344779.5/22

+ sign 198.425 $\pm$ 0.028 χ^2 /NDF: 10623957.0/49

All: 199.850 $\pm$ 0.020 χ^2 /NDF: 22815050.1/10

- sign 201.342 $\pm$ 0.029 χ^2 /NDF: 12185795.9/51

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 17.185 $\pm$ 24.594 χ^2 /NDF: 20.3/24

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF:29.3/24

Right Out: -36.286 $\pm$ 24.495 χ^2 /NDF: 38.1/28

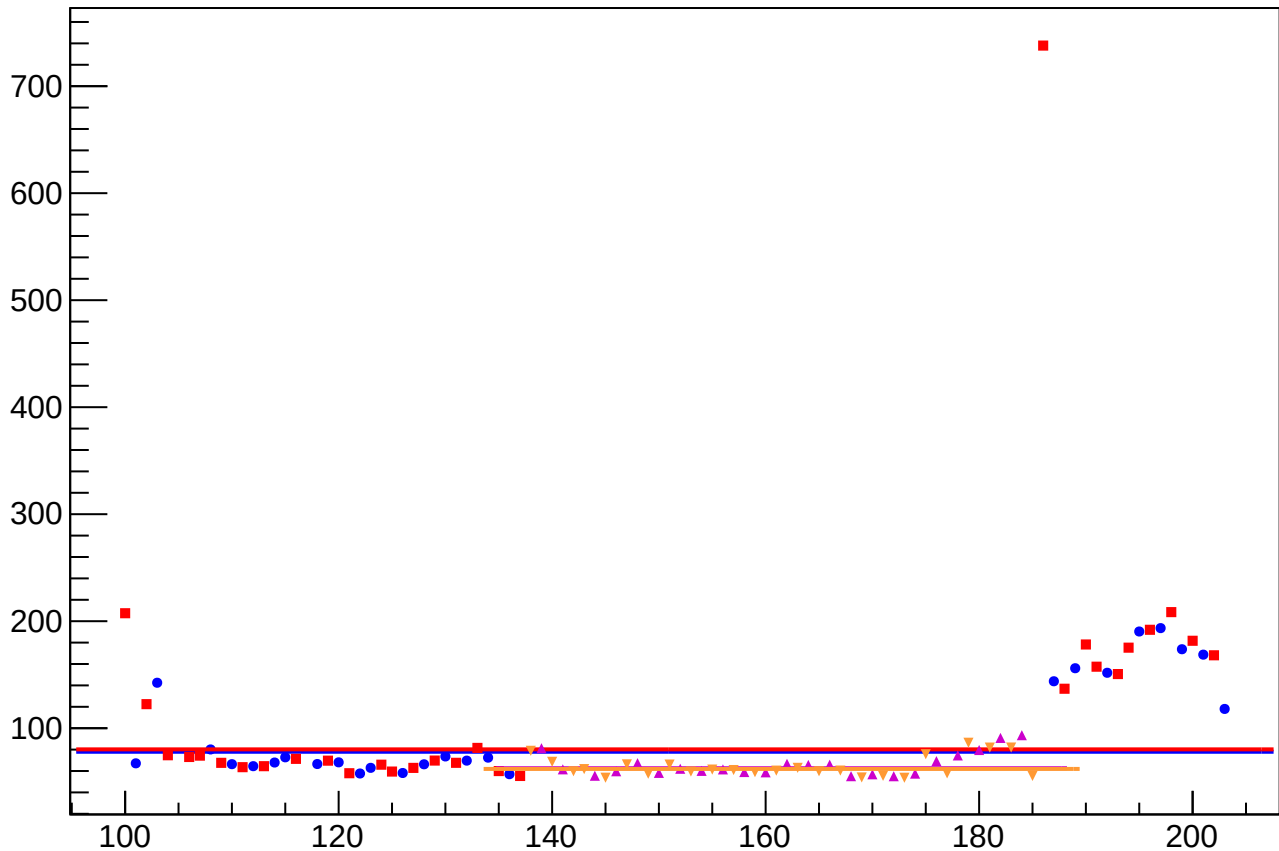
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF:27.5/22

+ sign 40.130 $\pm$ 12.564 χ^2 /NDF: 50.8/49

All: -4.131 $\pm$ 9.002 χ^2 /NDF: 142.3/101

- sign -50.820 $\pm$ 12.904 χ^2 /NDF: 66.0/51

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 77.991 $\pm$ 0.017 χ^2 /NDF: 3770282.1/24

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 80.221 $\pm$ 0.017 χ^2 /NDF: 4807402.7/28

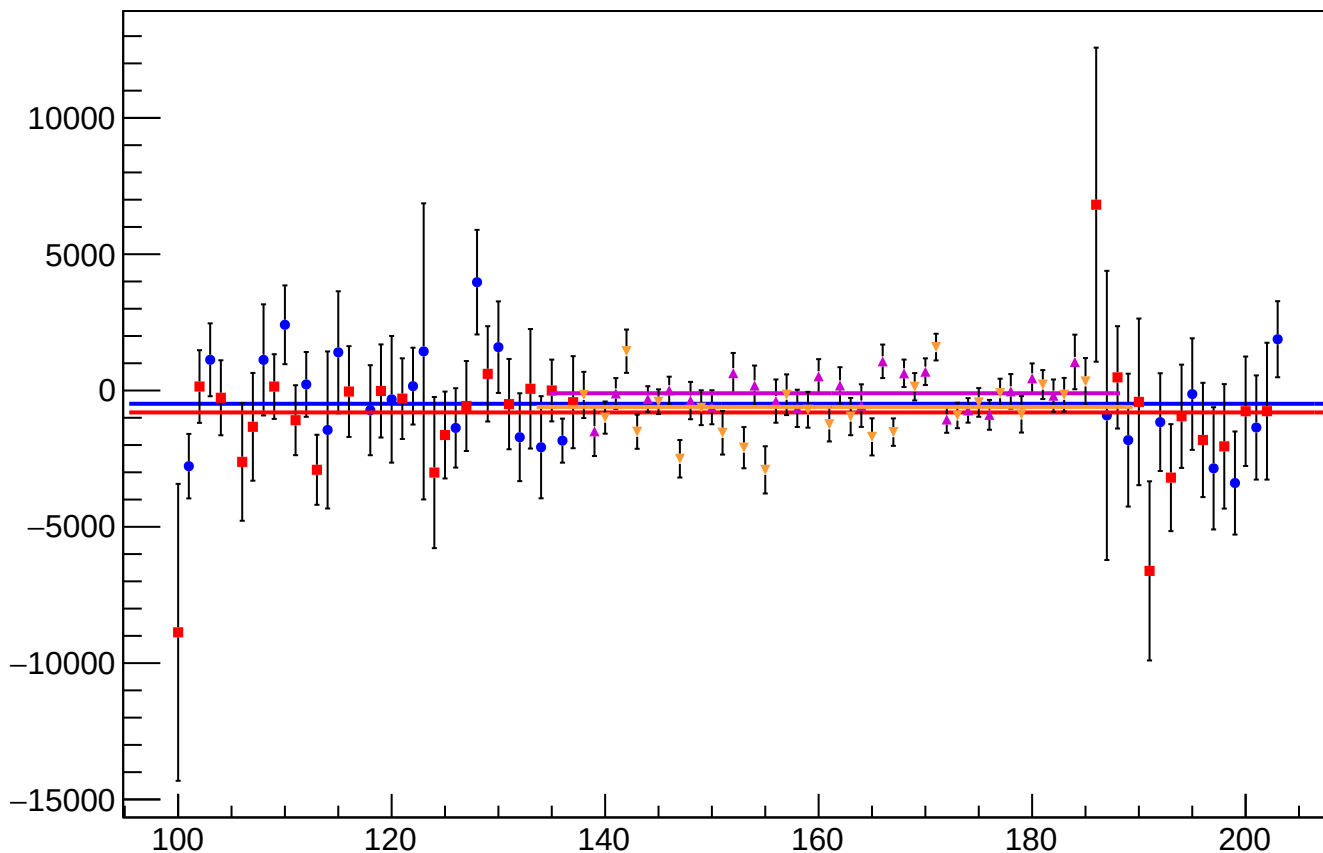
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 66.134 $\pm$ 0.009 χ^2 /NDF: 5004319.6/49

All: 66.797 $\pm$ 0.006 χ^2 /NDF: 11145773.3/101

- sign 67.495 $\pm$ 0.009 χ^2 /NDF: 6130025.0/51

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -486.161 ± 325.603 $\chi^2/\text{NDF}: 29.8/24$

Left Out: -601.486 ± 122.119 $\chi^2/\text{NDF}: 65.4/24$

Right Out: -803.770 ± 324.776 $\chi^2/\text{NDF}: 17.3/28$

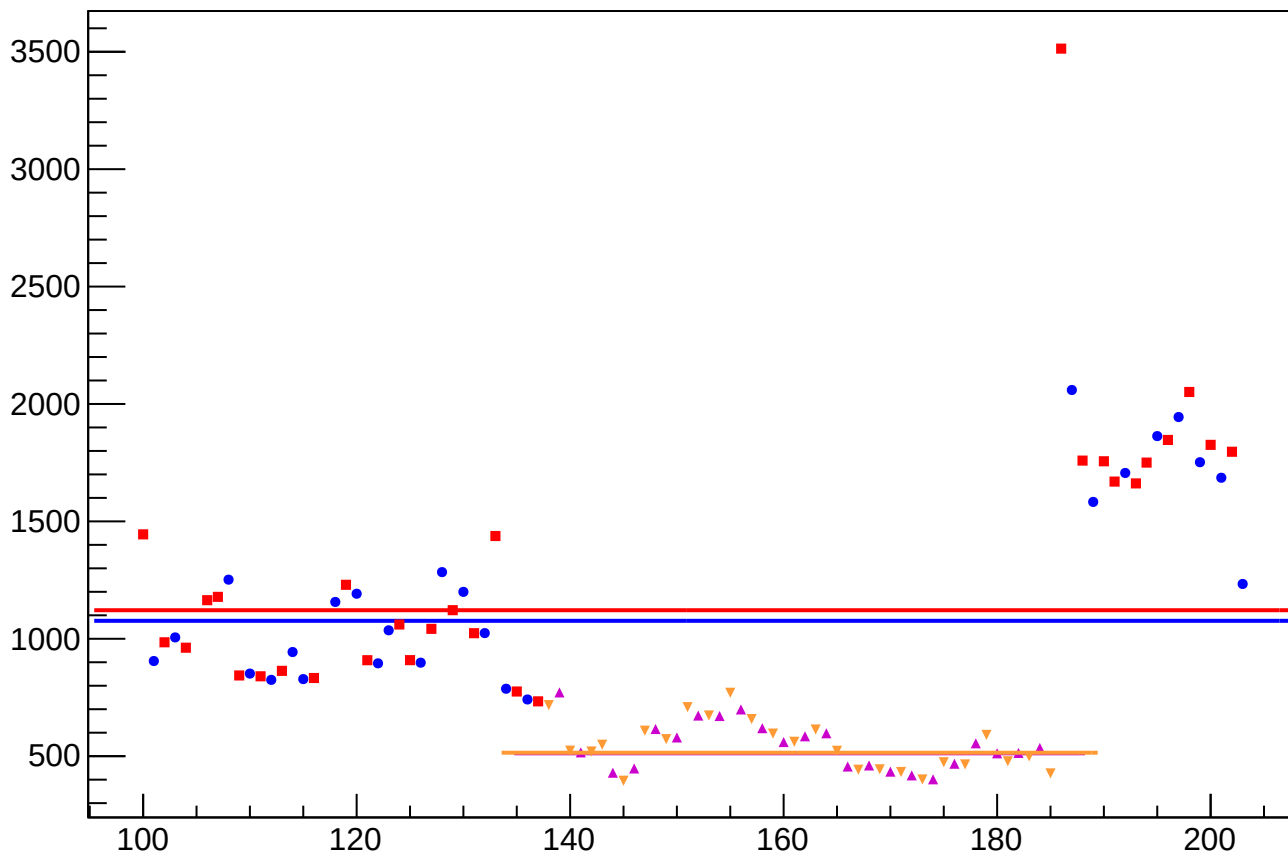
Left In: -100.548 ± 124.725 $\chi^2/\text{NDF}: 25.5/22$

+ sign -587.264 ± 114.341 $\chi^2/\text{NDF}: 95.3/49$

All: -392.691 ± 81.581 $\chi^2/\text{NDF}: 148.0/101$

- sign -190.930 ± 116.434 $\chi^2/\text{NDF}: 46.8/51$

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1076.495+/-0.230 χ^2/NDF : 2211032.0/24

Left Out: 514.758+/-0.086 χ^2/NDF :1194945.9/24

Right Out: 1121.632+/-0.230 χ^2/NDF : 2886868.1/28

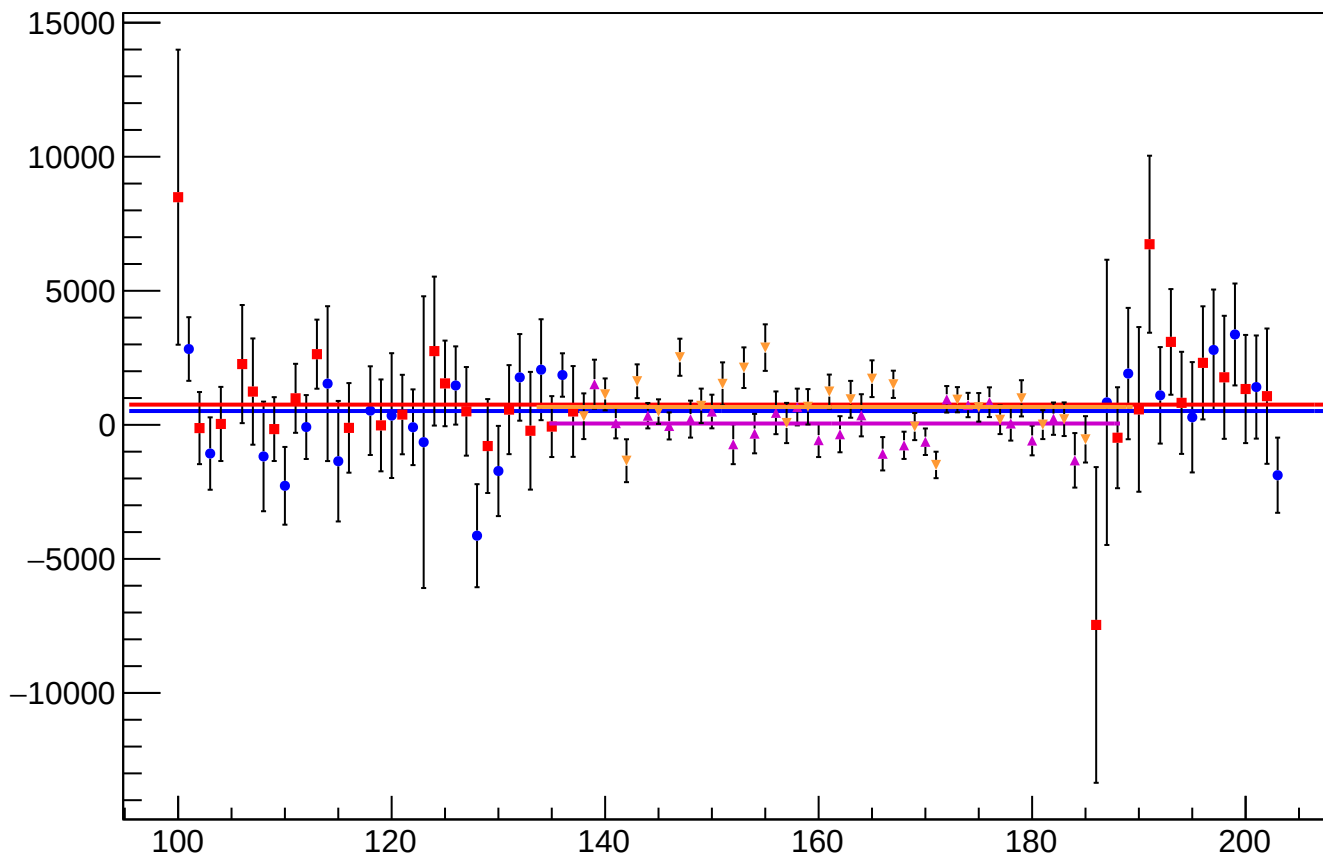
Left In: 512.199+/-0.088 χ^2/NDF :1041302.8/22

+ sign 584.030+/-0.081 χ^2/NDF : 8624666.8/49

All: 587.220+/-0.058 χ^2/NDF : 18693161.4/100

- sign 590.527+/-0.082 χ^2/NDF : 10065324.7/51

asym_sam_12345678_avg_mean vs Slug



Right In: 515.443 $\pm$ 326.834 χ^2 /NDF: 29.8/24

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF:61.5/24

Right Out: 754.693 $\pm$ 326.150 χ^2 /NDF: 16.7/28

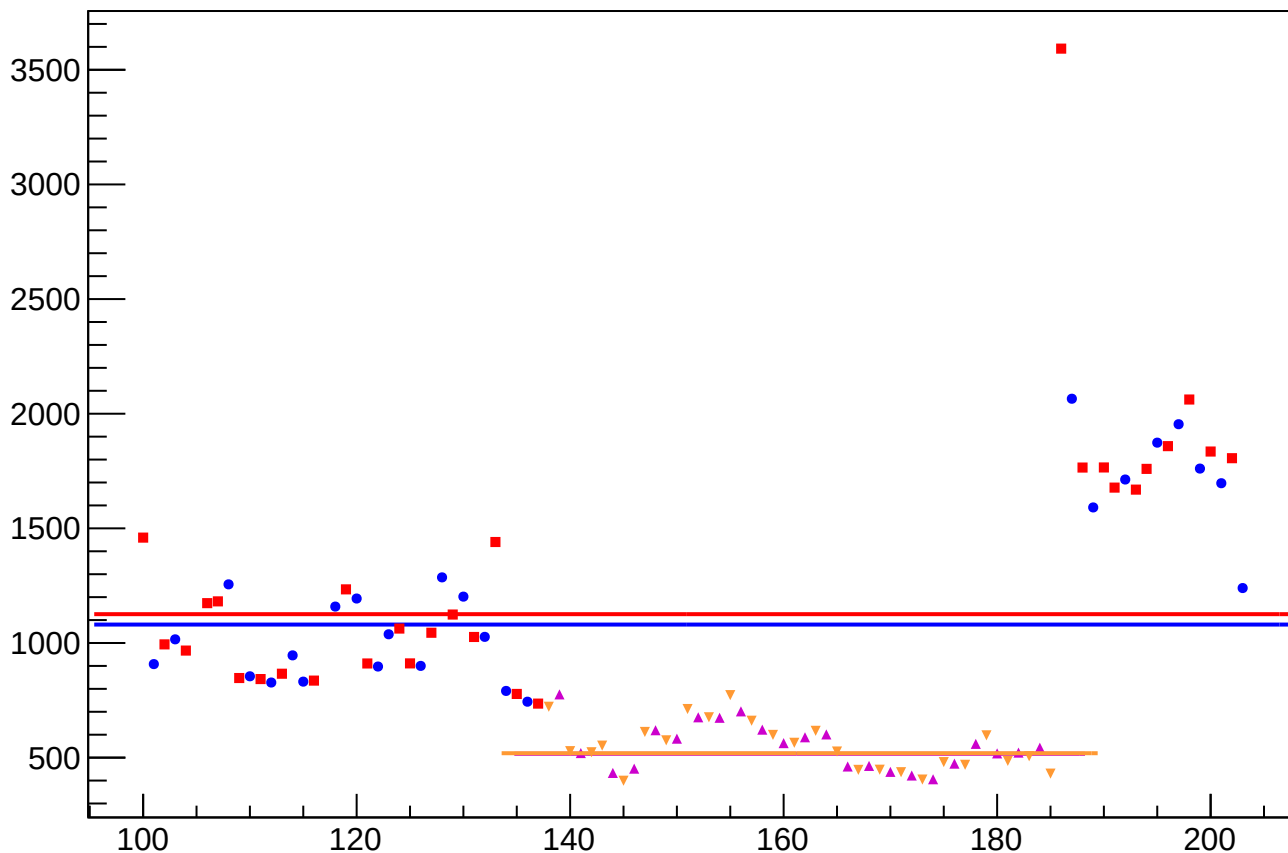
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF:26.1/22

+ sign 648.706 $\pm$ 115.237 χ^2 /NDF: 91.5/49

All: 399.685 $\pm$ 82.231 χ^2 /NDF: 147.9/101

- sign 141.337 $\pm$ 117.376 χ^2 /NDF: 46.9/51

asym_sam_12345678_avg_rms vs Slug



Right In: 1080.397 $\pm$ 0.231 χ^2 /NDF: 2218132.3/24

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF:1172411.1/24

Right Out: 1125.732 $\pm$ 0.231 χ^2 /NDF: 2901473.7/28

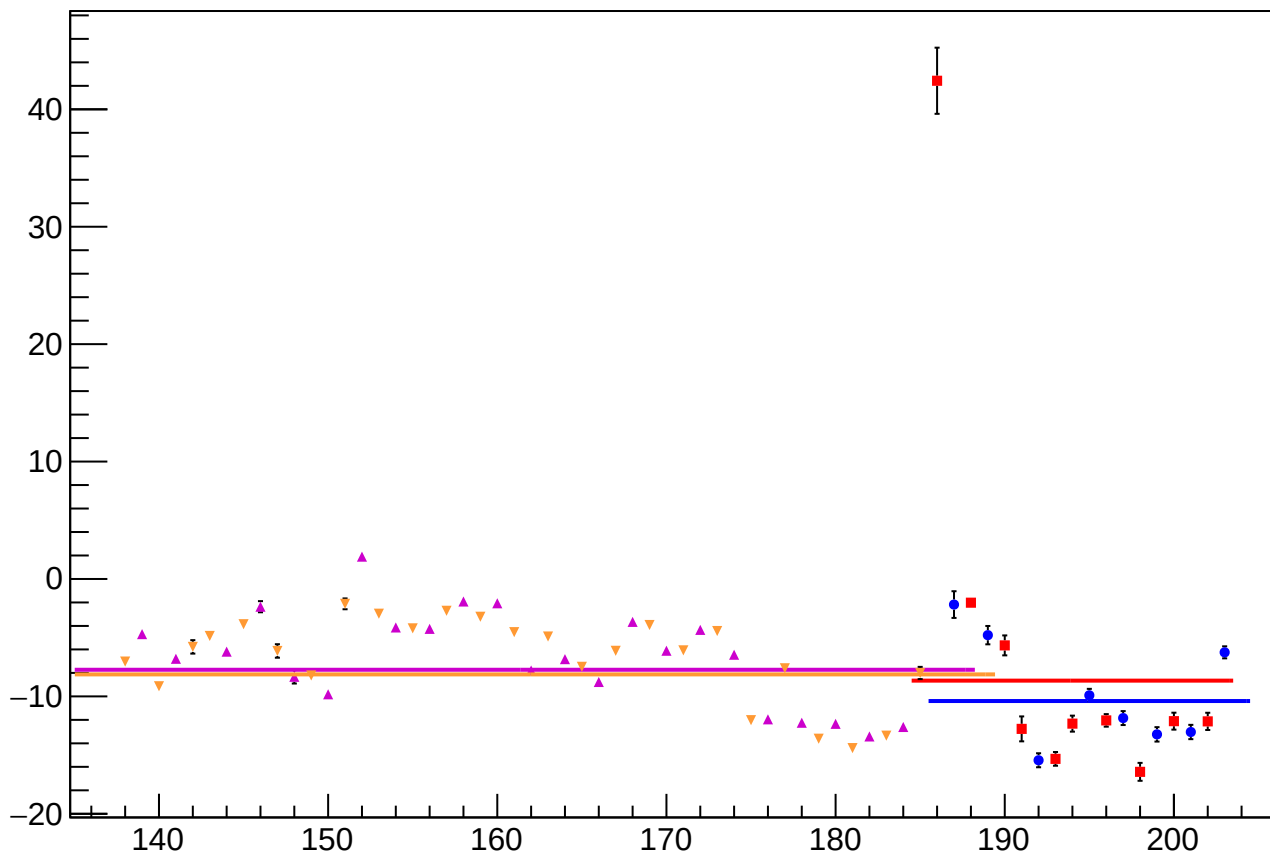
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF:1021374.1/22

+ sign 589.013 $\pm$ 0.081 χ^2 /NDF: 8553156.0/49

All: 592.275 $\pm$ 0.058 χ^2 /NDF: 18548080.4/10

- sign 595.659 $\pm$ 0.083 χ^2 /NDF: 9991660.2/51

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -10.395 $\pm$ 0.221 χ^2/NDF : 287.6/7

Left Out: -8.127 $\pm$ 0.067 χ^2/NDF :3635.5/24

Right Out: -8.658 $\pm$ 0.199 χ^2/NDF : 1094.9/9

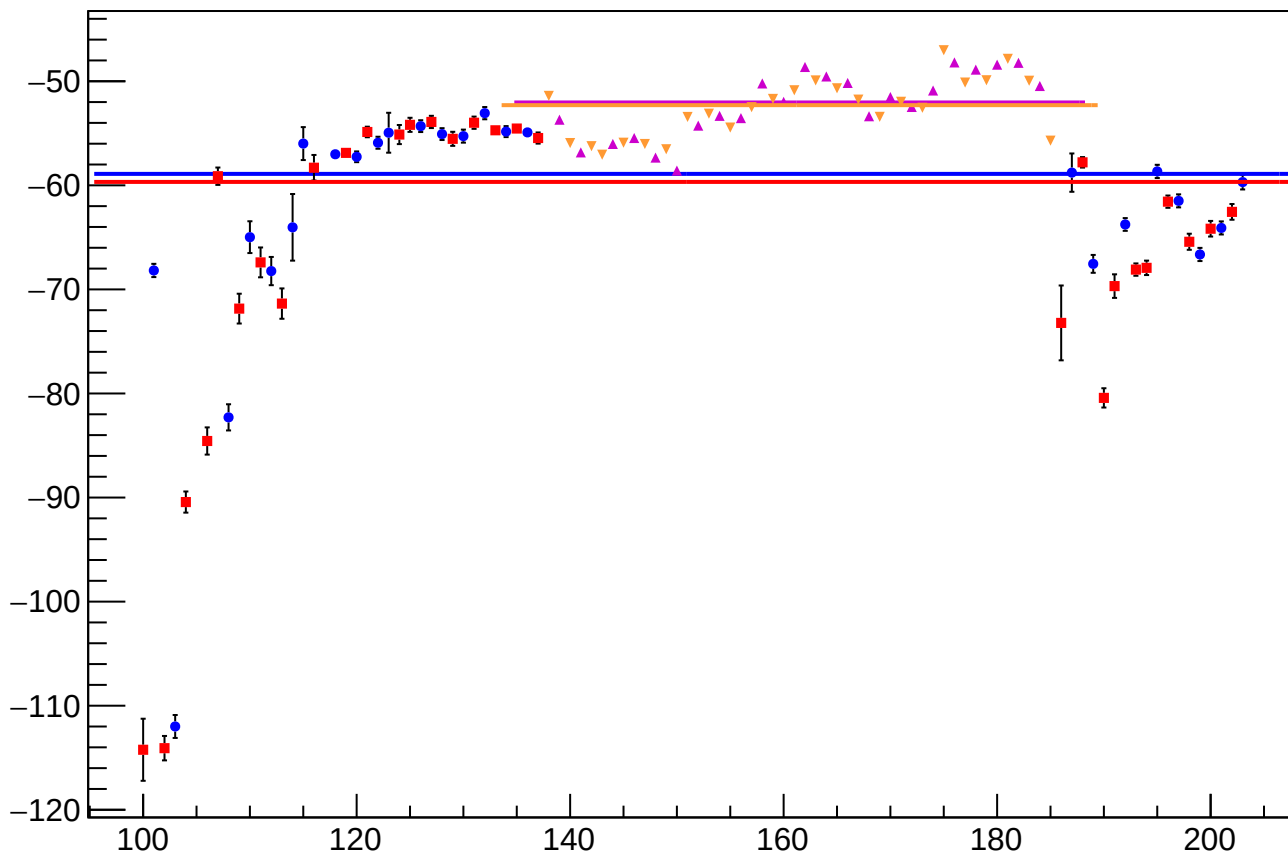
Left In: -7.732 $\pm$ 0.069 χ^2/NDF :3719.0/22

+ sign -8.321 $\pm$ 0.064 χ^2/NDF : 4019.6/32

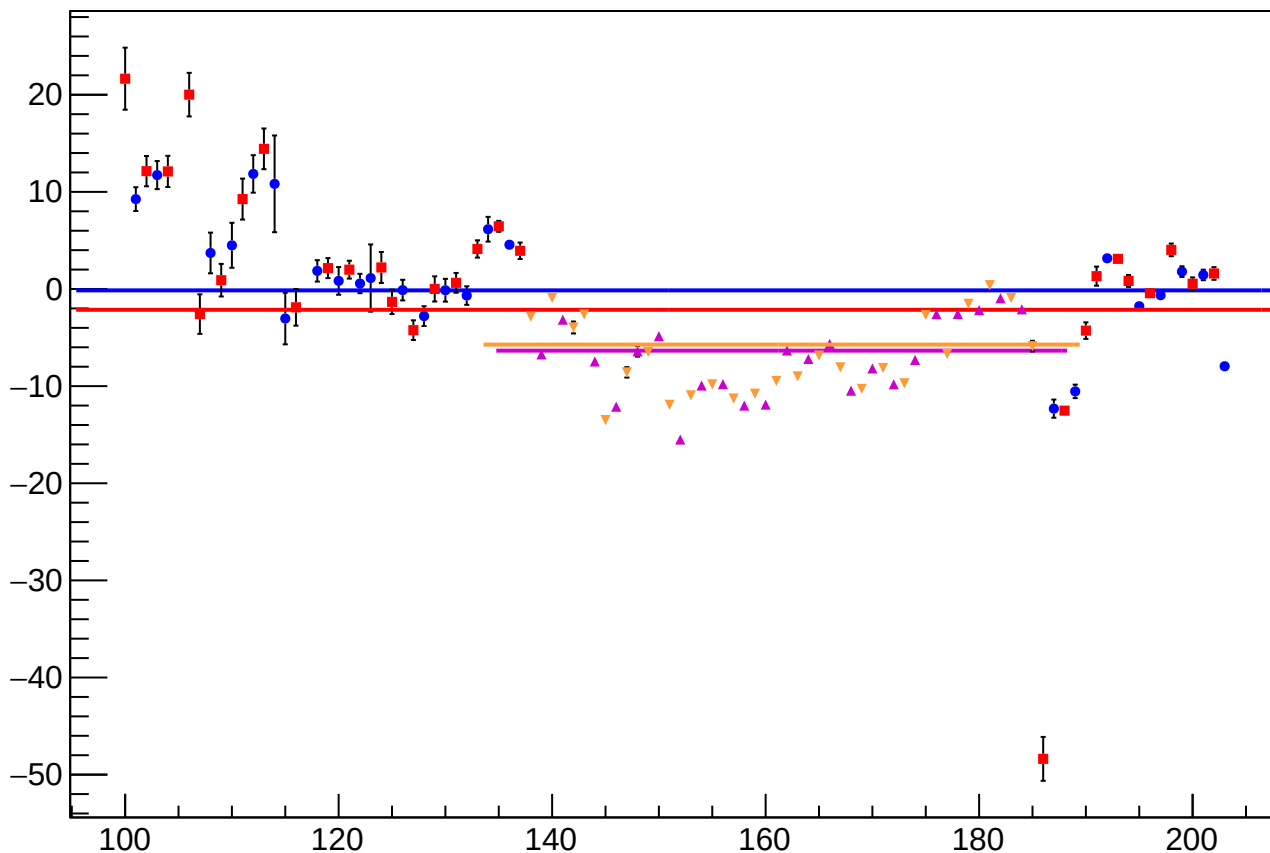
All: -8.078 $\pm$ 0.046 χ^2/NDF : 8881.4/65

- sign -7.831 $\pm$ 0.065 χ^2/NDF : 4833.3/32

reg_asym_sam1_diff_bpm4aY_slope vs Slug



reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -0.140 ± 0.157 χ^2/NDF : 1047.0/24

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.139 ± 0.144 χ^2/NDF : 2978.8/28

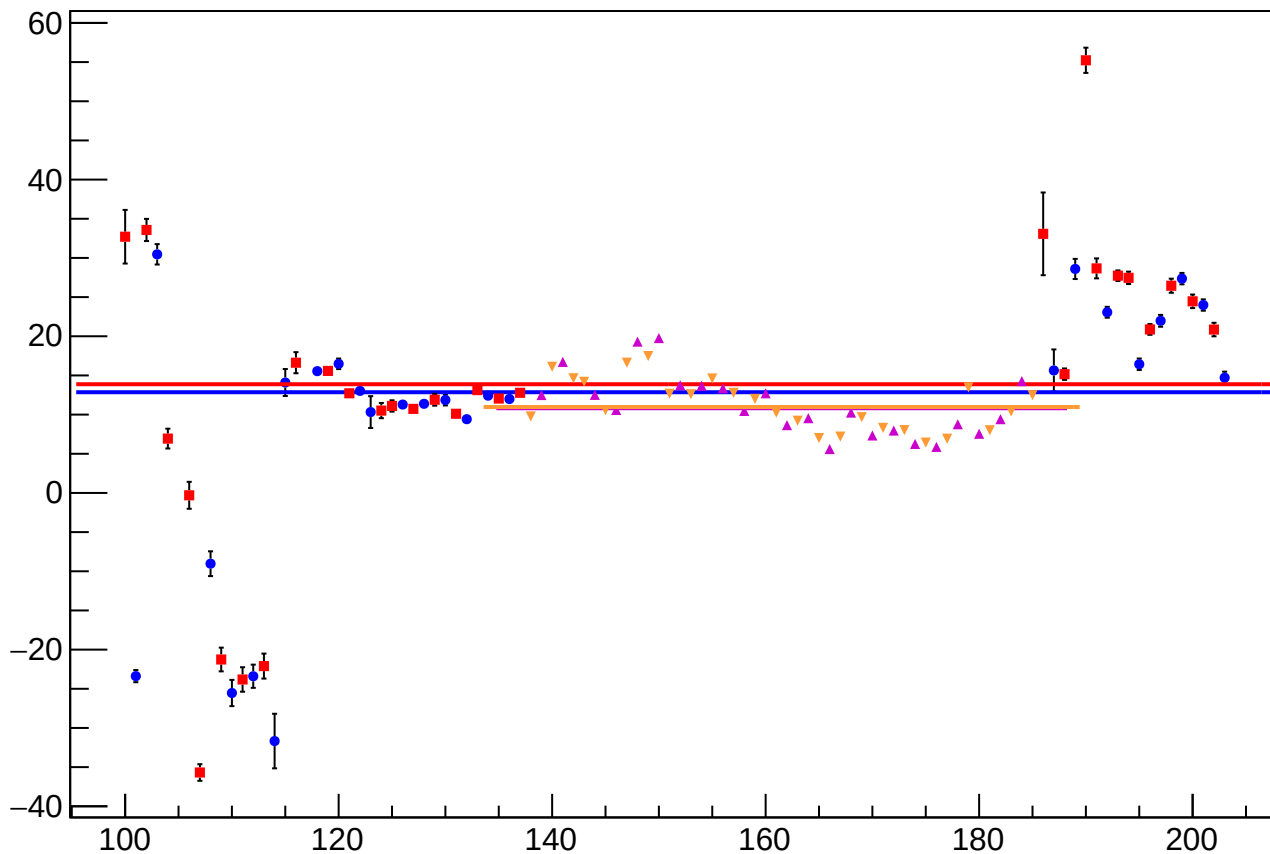
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.846 ± 0.062 χ^2/NDF : 6100.6/49

All: -5.205 ± 0.044 χ^2/NDF : 13228.1/101

- sign -5.562 ± 0.062 χ^2/NDF : 7060.8/51

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.858 ± 0.139 χ^2/NDF : 5136.0/24

Left Out: 10.967 ± 0.061 χ^2/NDF : 2637.7/24

Right Out: 13.878 ± 0.139 χ^2/NDF : 6336.4/28

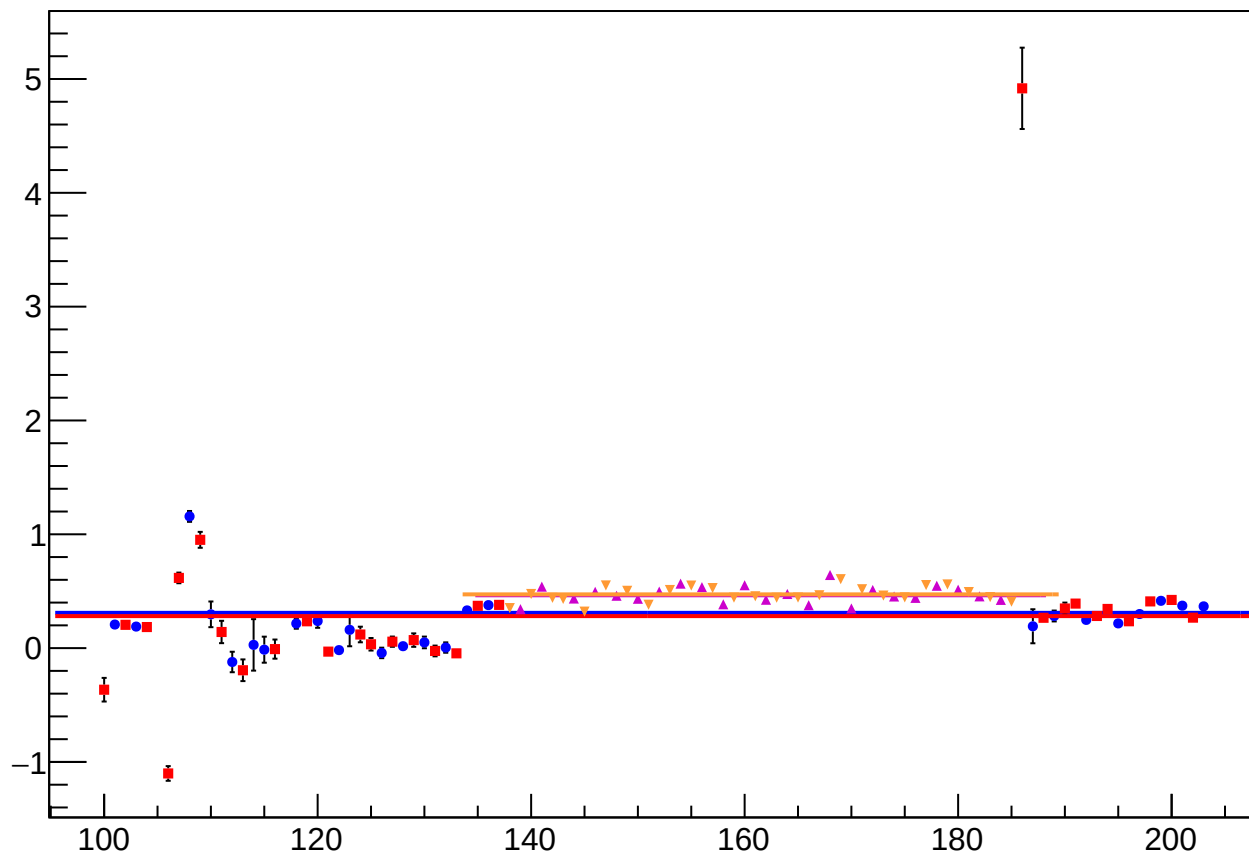
Left In: 10.813 ± 0.063 χ^2/NDF : 3546.8/22

+ sign 11.276 ± 0.056 χ^2/NDF : 7928.7/49

All: 11.306 ± 0.040 χ^2/NDF : 18215.0/101

- sign 11.337 ± 0.057 χ^2/NDF : 10285.7/51

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.310 ± 0.006 χ^2/NDF : 714.4/24

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.281 ± 0.006 χ^2/NDF : 1256.0/28

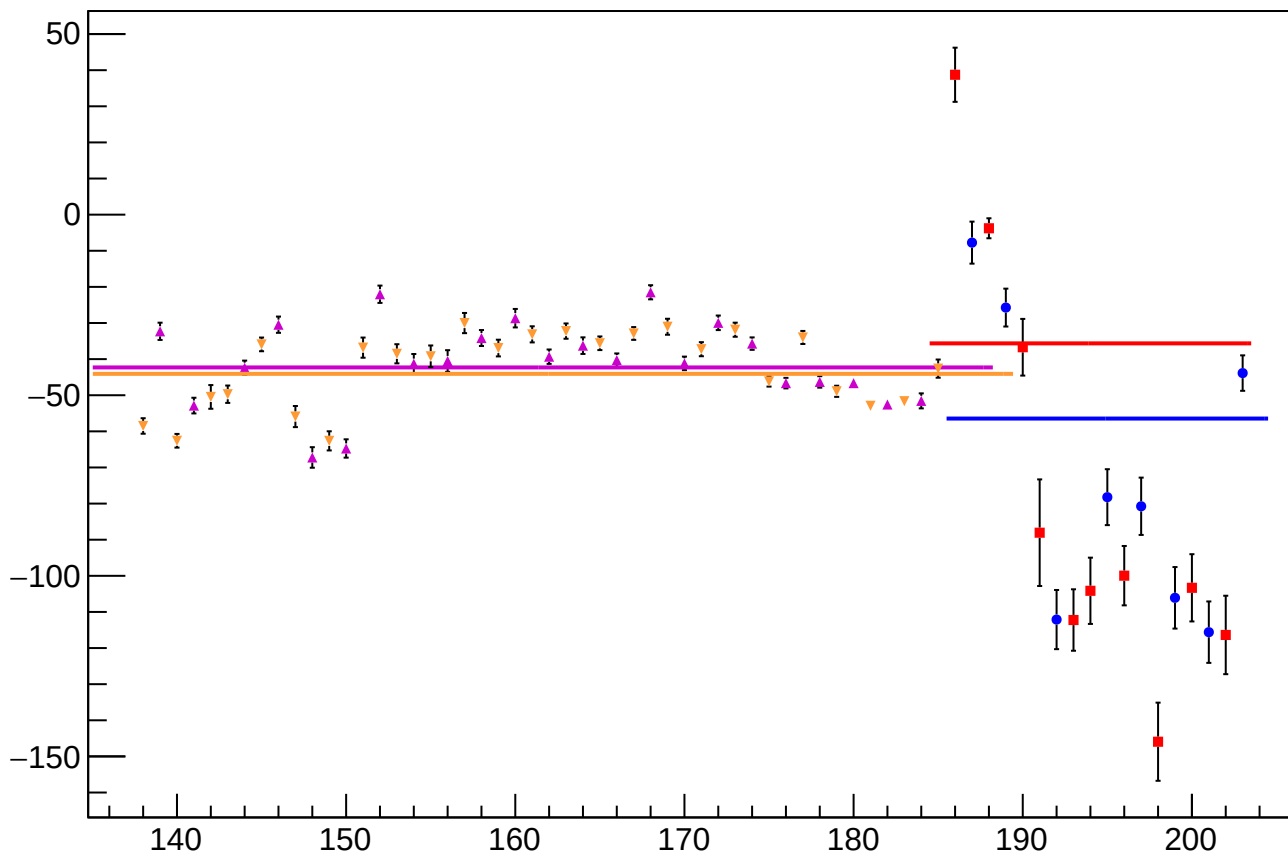
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.444 ± 0.003 χ^2/NDF : 1826.3/49

All: 0.439 ± 0.002 χ^2/NDF : 4574.0/101

- sign 0.433 ± 0.003 χ^2/NDF : 2736.8/51

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -56.456 ± 2.341 χ^2/NDF : 256.8/7

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -35.640 ± 2.048 χ^2/NDF : 653.9/9

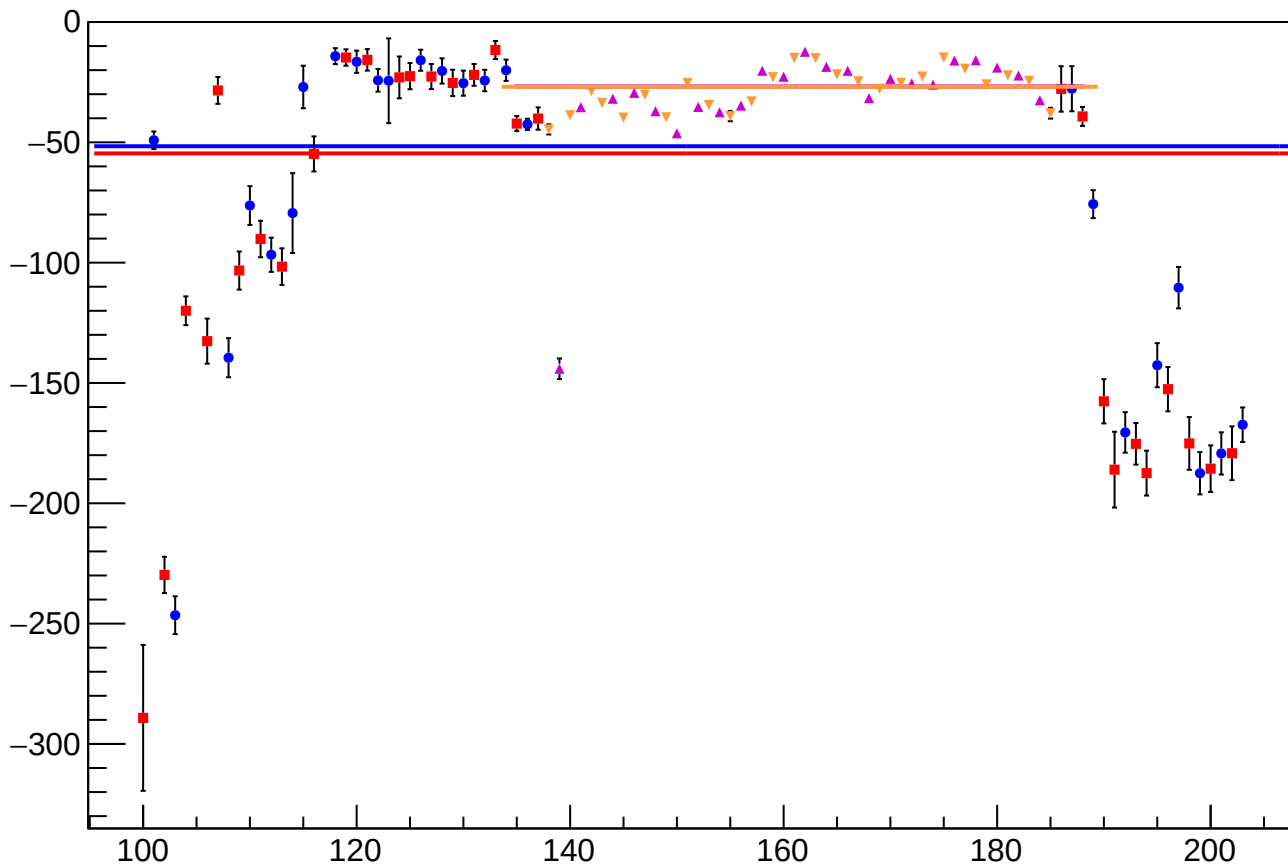
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -44.410 ± 0.383 χ^2/NDF : 916.6/32

All: -43.260 ± 0.274 χ^2/NDF : 2239.7/65

- sign -42.060 ± 0.392 χ^2/NDF : 1304.7/32

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -51.625 ± 1.064 $\chi^2/\text{NDF}: 2324.4/24$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -54.597 ± 1.094 $\chi^2/\text{NDF}: 2601.3/28$

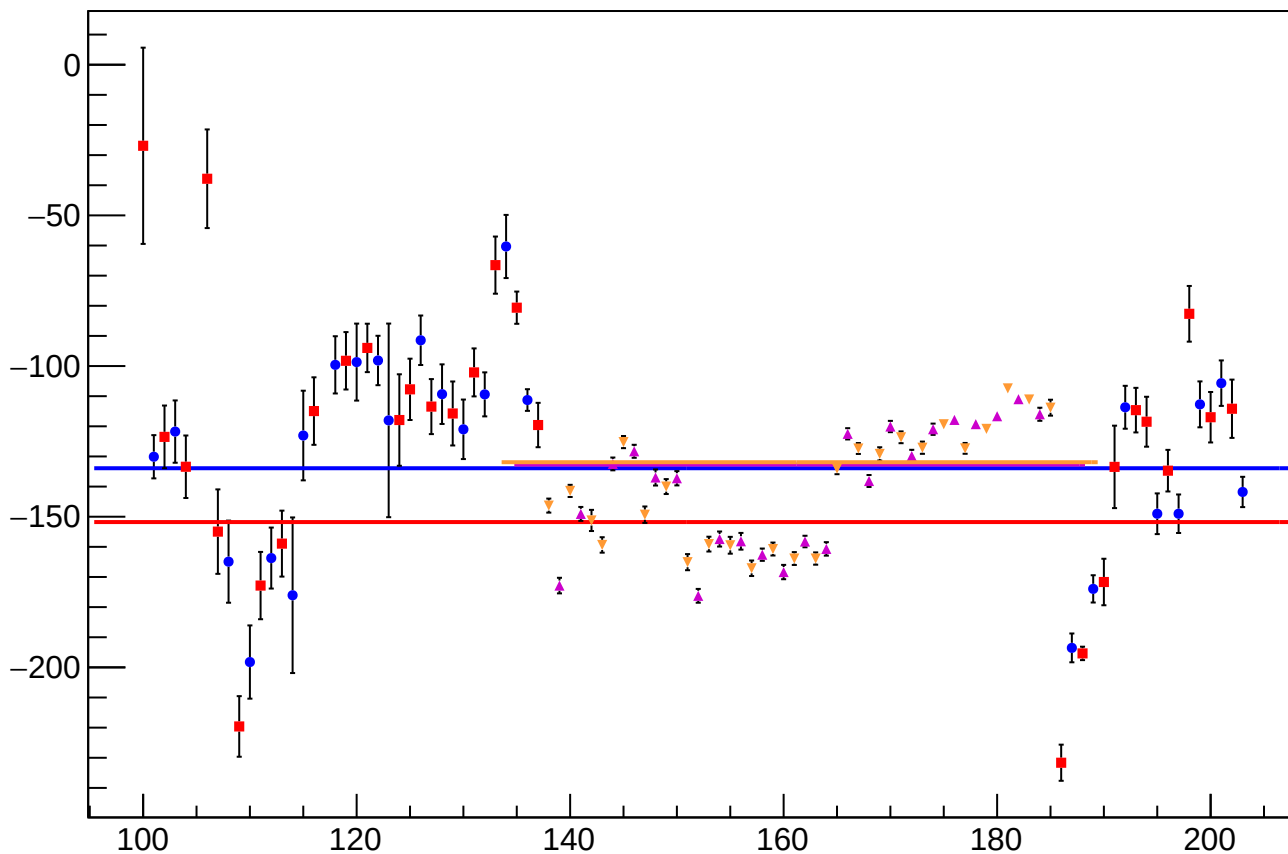
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.907 ± 0.303 $\chi^2/\text{NDF}: 3451.1/49$

All: -28.976 ± 0.218 $\chi^2/\text{NDF}: 8041.2/101$

- sign -29.048 ± 0.313 $\chi^2/\text{NDF}: 4590.1/51$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -133.912 ± 1.469 $\chi^2/\text{NDF}: 498.2/24$

Left Out: -131.912 ± 0.391 $\chi^2/\text{NDF}: 2439.3/24$

Right Out: -151.775 ± 1.353 $\chi^2/\text{NDF}: 1289.9/28$

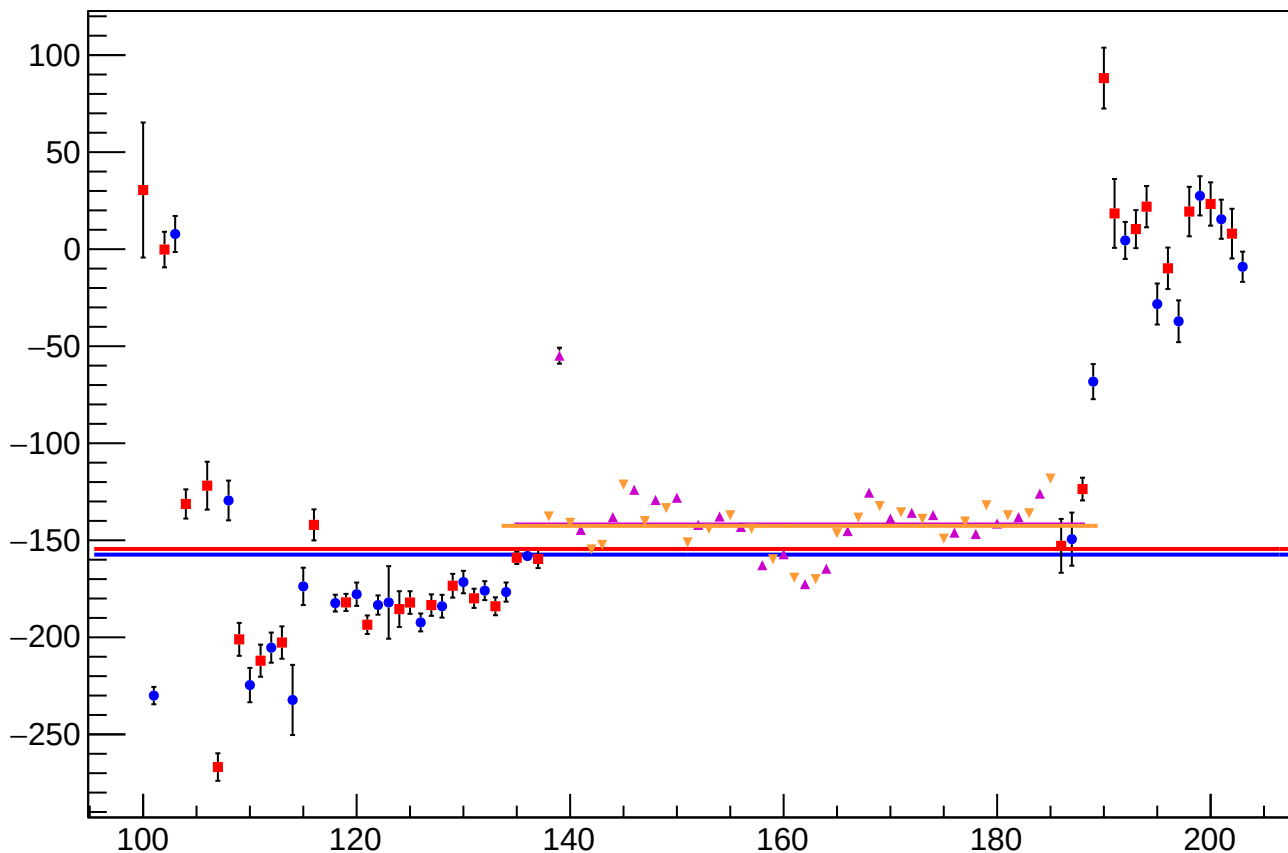
Left In: -132.690 ± 0.399 $\chi^2/\text{NDF}: 2480.2/22$

+ sign -132.045 ± 0.378 $\chi^2/\text{NDF}: 2939.3/49$

All: -133.118 ± 0.269 $\chi^2/\text{NDF}: 6908.6/101$

- sign -134.219 ± 0.383 $\chi^2/\text{NDF}: 3953.0/51$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -157.387 ± 1.201 χ^2/NDF : 2542.2/24

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -154.467 ± 1.258 χ^2/NDF : 2644.6/28

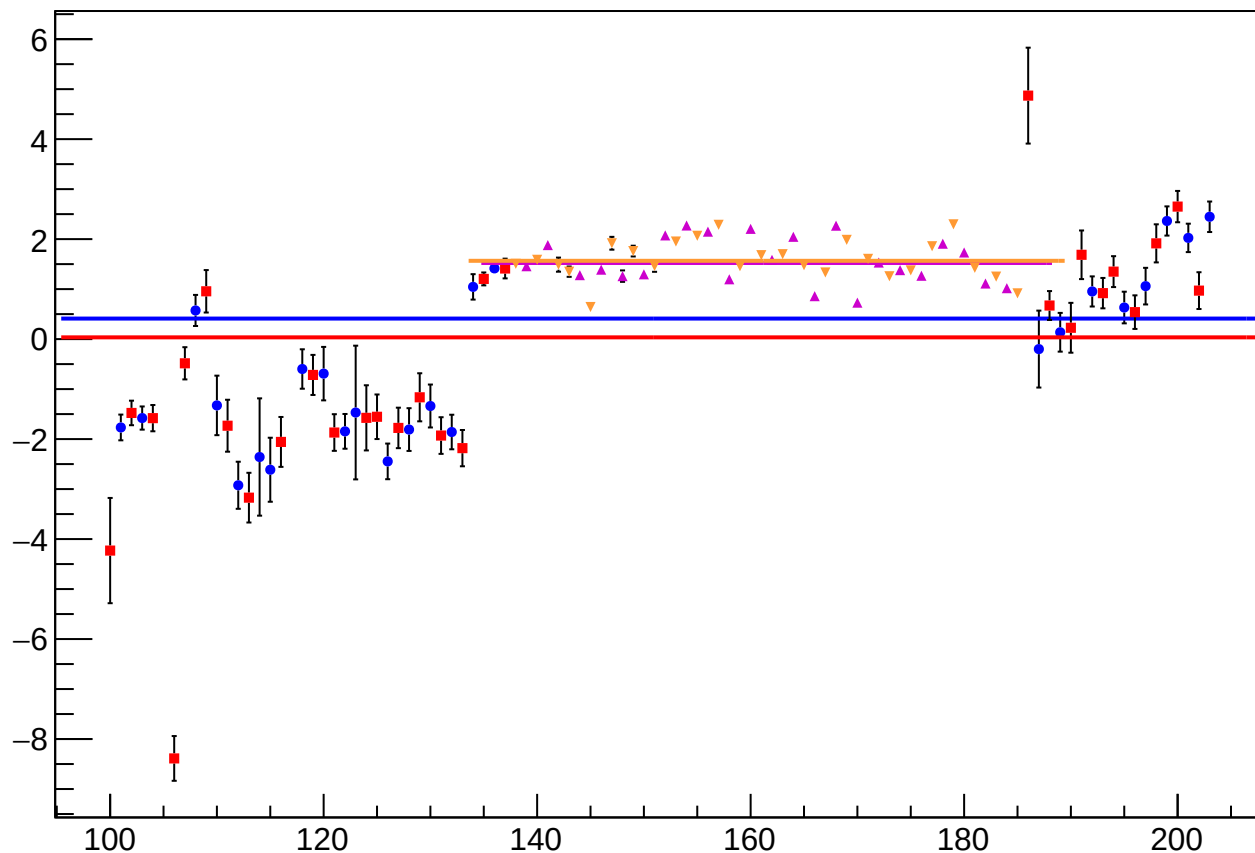
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -143.750 ± 0.340 χ^2/NDF : 3830.2/49

All: -143.303 ± 0.244 χ^2/NDF : 8115.3/101

- sign -142.829 ± 0.349 χ^2/NDF : 4281.5/51

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.411 ± 0.058 χ^2/NDF : 679.9/24

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.035 ± 0.061 χ^2/NDF : 967.8/28

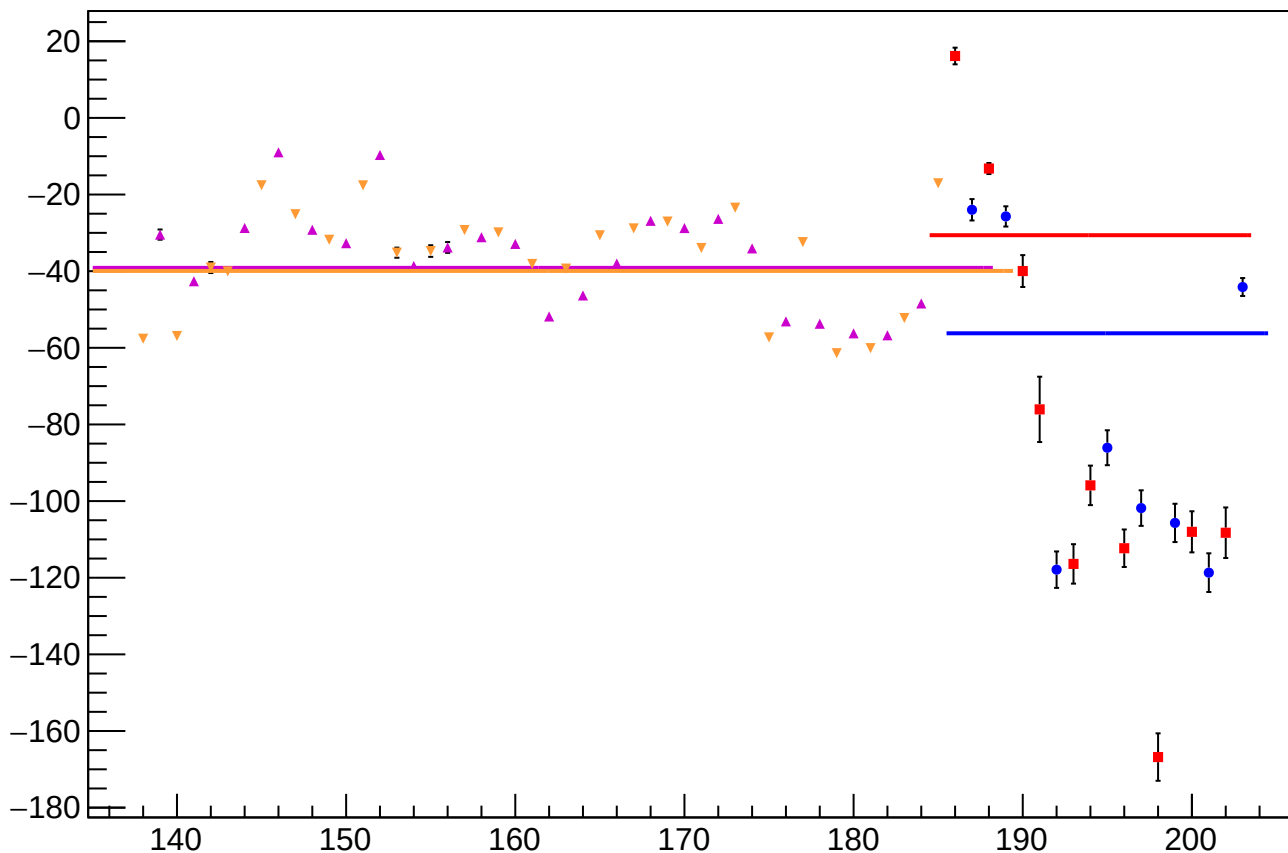
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.484 ± 0.016 χ^2/NDF : 1586.2/49

All: 1.453 ± 0.011 χ^2/NDF : 3861.5/101

- sign 1.420 ± 0.016 χ^2/NDF : 2267.2/51

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -56.211 $\pm$ 1.219 χ^2 /NDF: 852.1/7

Left Out: -39.935 $\pm$ 0.153 χ^2 /NDF:9806.5/24

Right Out: -30.613 $\pm$ 1.017 χ^2 /NDF: 2191.1/9

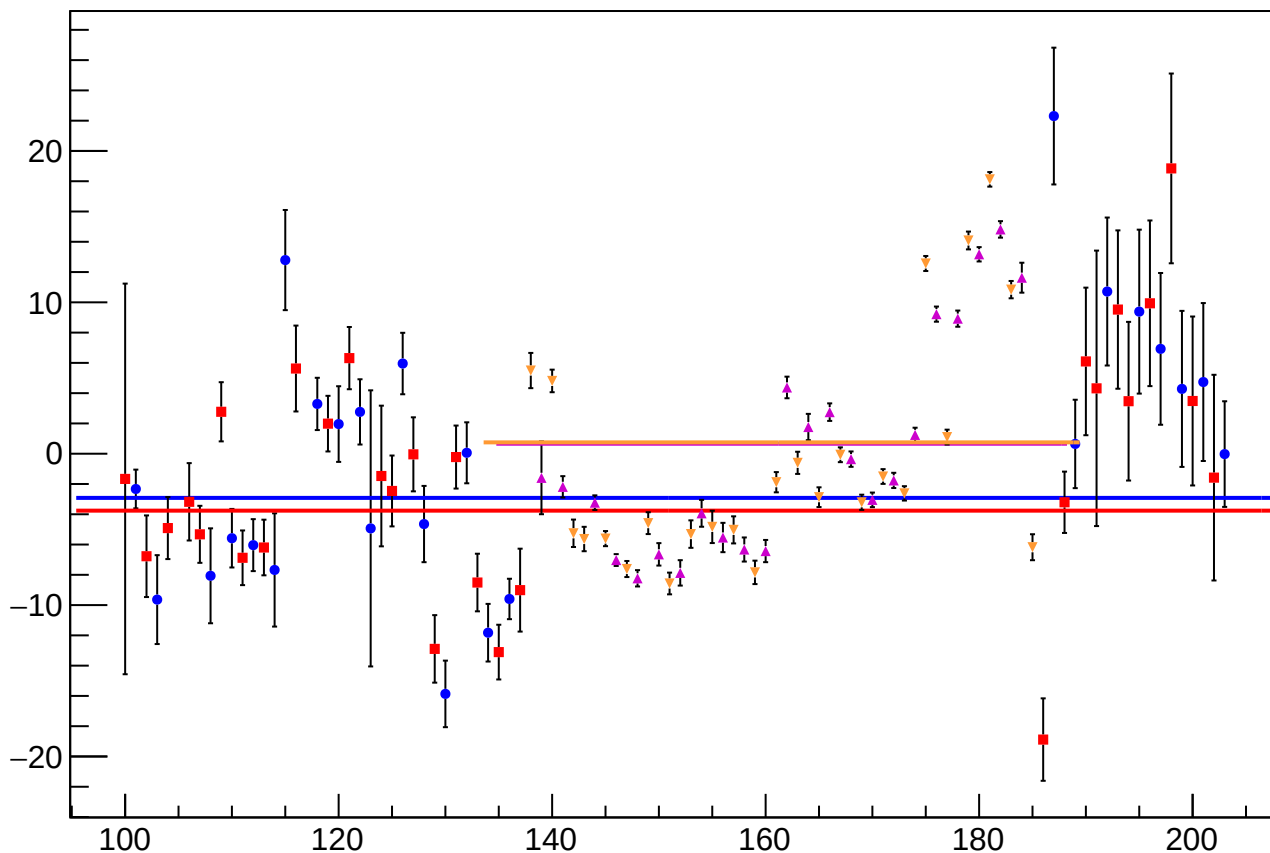
Left In: -39.137 $\pm$ 0.155 χ^2 /NDF:8534.5/22

+ sign -40.188 $\pm$ 0.152 χ^2 /NDF: 10834.1/32

All: -39.570 $\pm$ 0.108 χ^2 /NDF: 21661.7/65

- sign -38.945 $\pm$ 0.153 χ^2 /NDF: 10794.3/32

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -2.918 ± 0.474 $\chi^2/\text{NDF}: 218.9/24$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.761 ± 0.471 $\chi^2/\text{NDF}: 187.4/28$

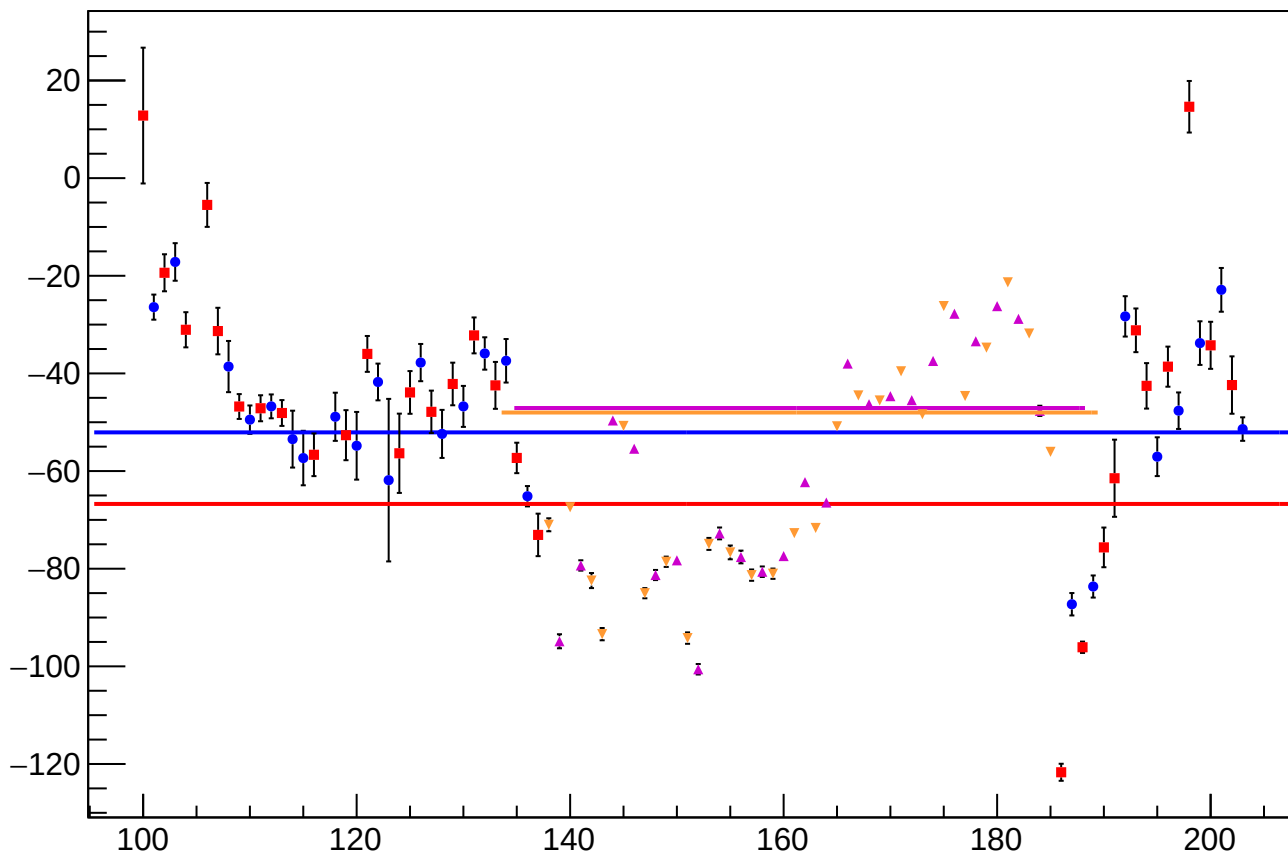
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.514 ± 0.120 $\chi^2/\text{NDF}: 4245.7/49$

All: 0.443 ± 0.085 $\chi^2/\text{NDF}: 7853.8/101$

- sign 0.372 ± 0.120 $\chi^2/\text{NDF}: 3607.4/51$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -52.076 ± 0.686 χ^2/NDF : 817.9/24

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -66.734 ± 0.608 χ^2/NDF : 3054.8/28

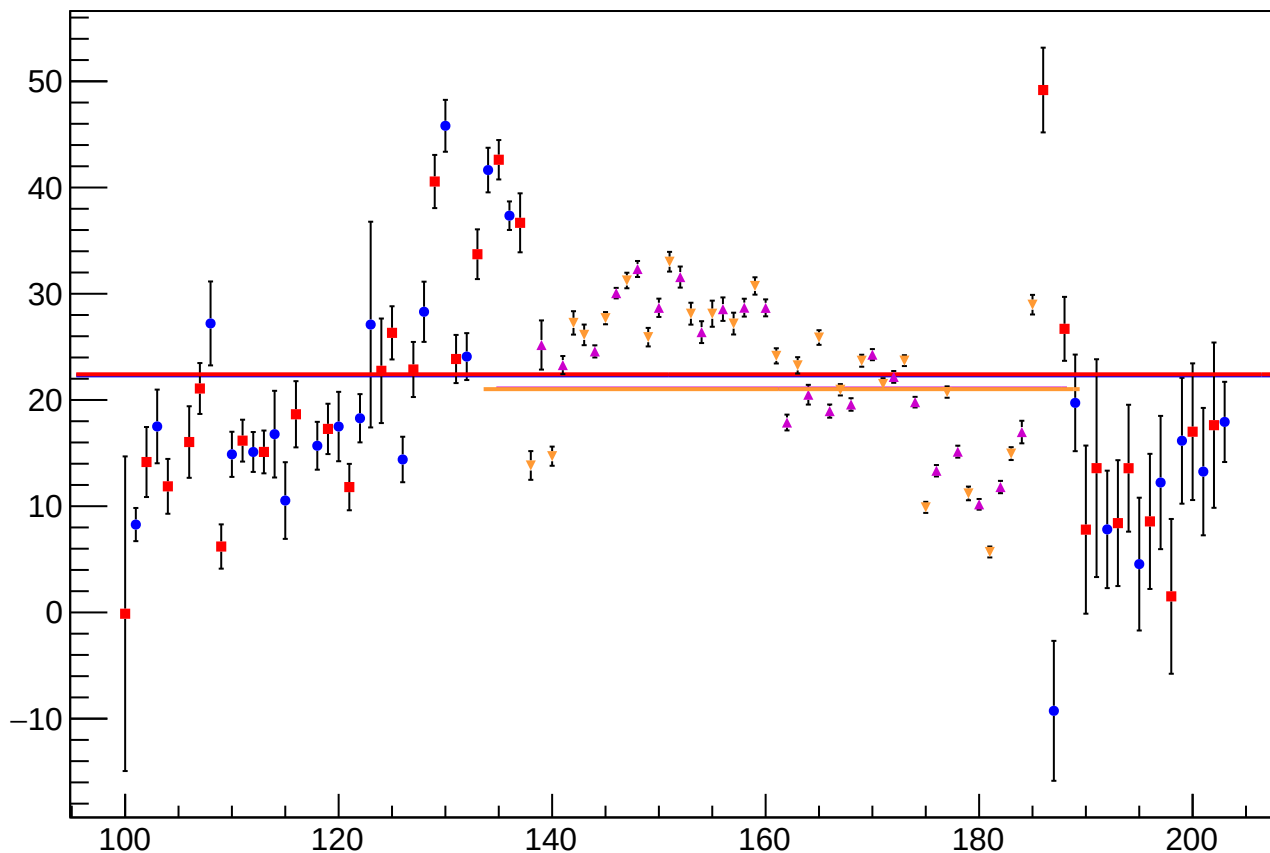
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.205 ± 0.151 χ^2/NDF : 17801.3/49

All: -48.247 ± 0.107 χ^2/NDF : 37352.0/101

- sign -48.289 ± 0.151 χ^2/NDF : 19550.5/51

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.316 $\pm$ 0.537 χ^2 /NDF: 504.9/24

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 22.417 $\pm$ 0.544 χ^2 /NDF: 439.4/28

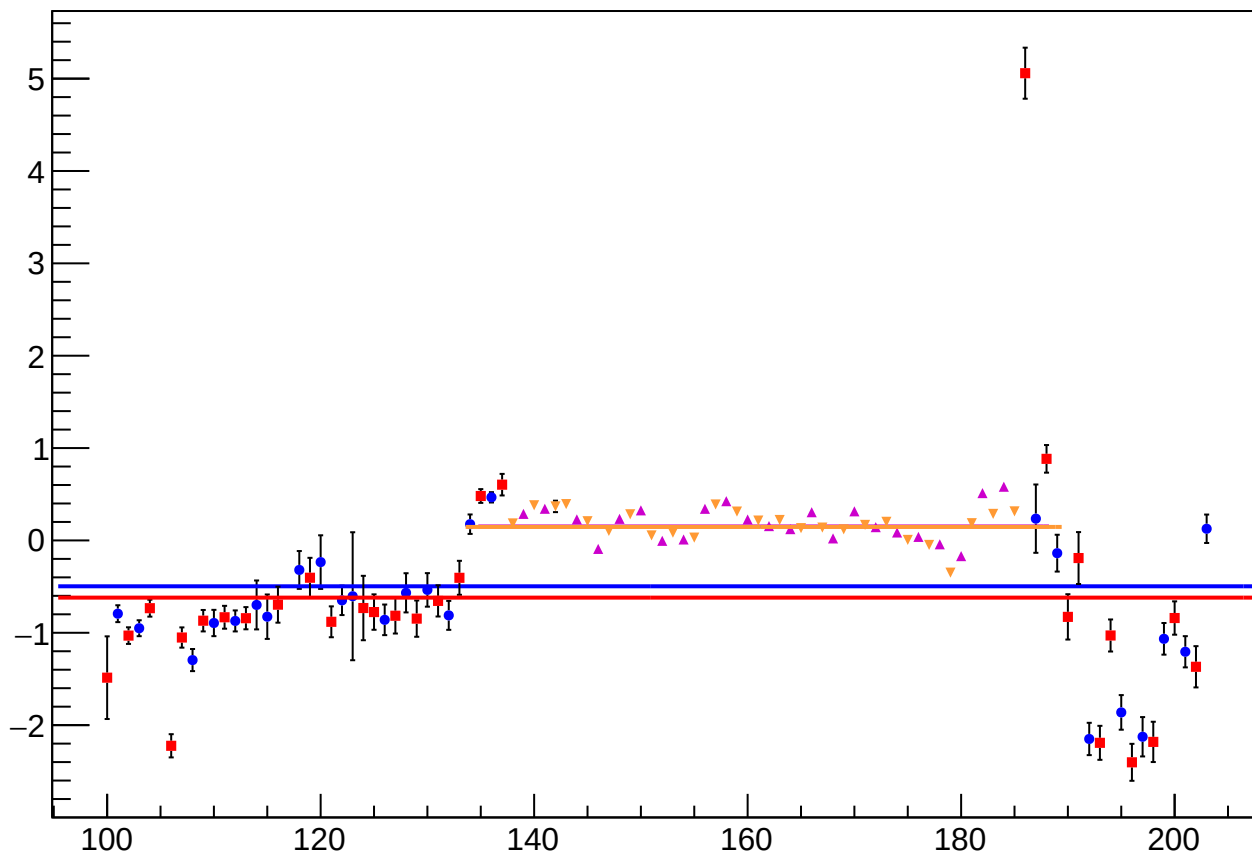
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.101 $\pm$ 0.134 χ^2 /NDF: 3309.6/49

All: 21.131 $\pm$ 0.095 χ^2 /NDF: 5928.0/101

- sign 21.162 $\pm$ 0.135 χ^2 /NDF: 2618.3/51

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.497 ± 0.027 χ^2/NDF : 706.6/24

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.619 ± 0.027 χ^2/NDF : 1299.5/28

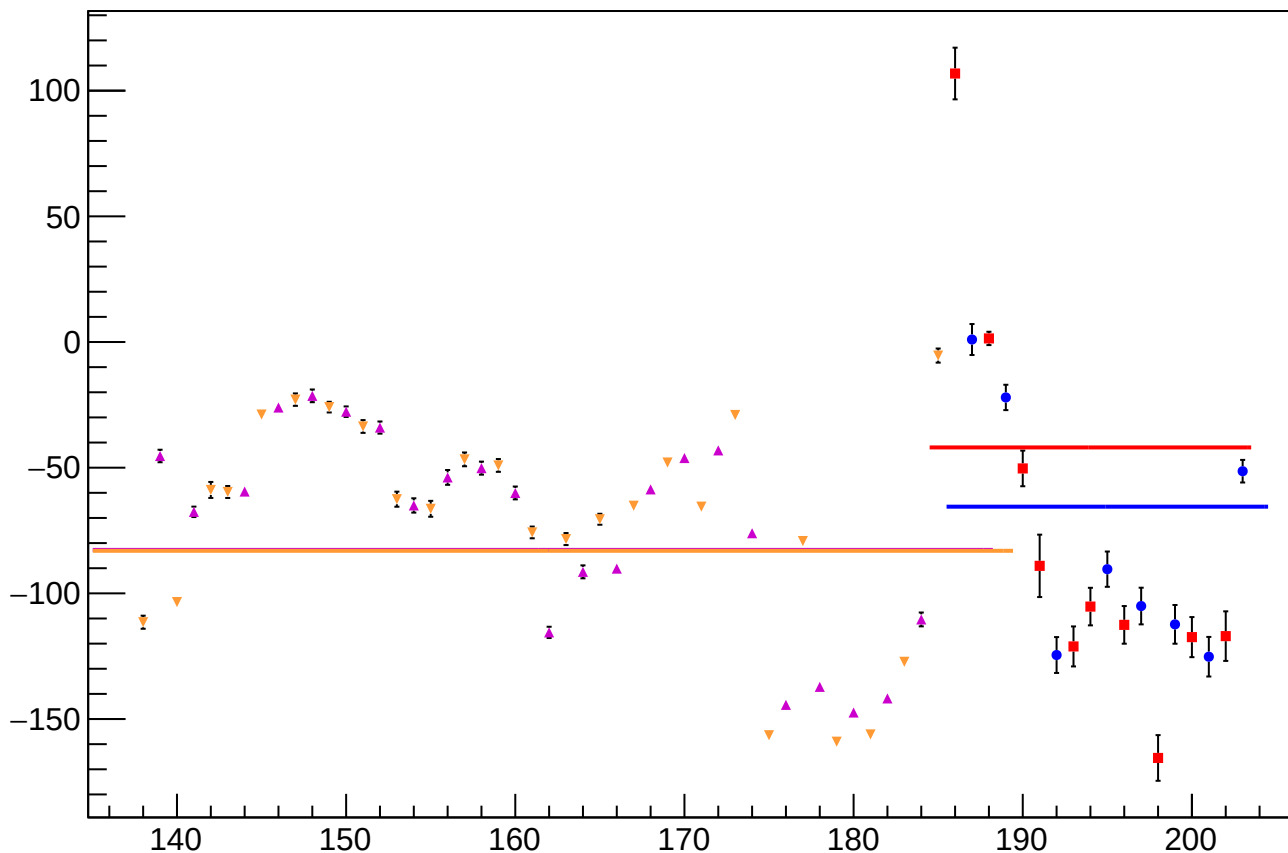
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.114 ± 0.006 χ^2/NDF : 1837.4/49

All: 0.112 ± 0.004 χ^2/NDF : 4760.3/101

- sign 0.111 ± 0.006 χ^2/NDF : 2922.8/51

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -65.514 ± 2.199 χ^2/NDF : 405.3/7

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -41.941 ± 1.933 χ^2/NDF : 1084.3/9

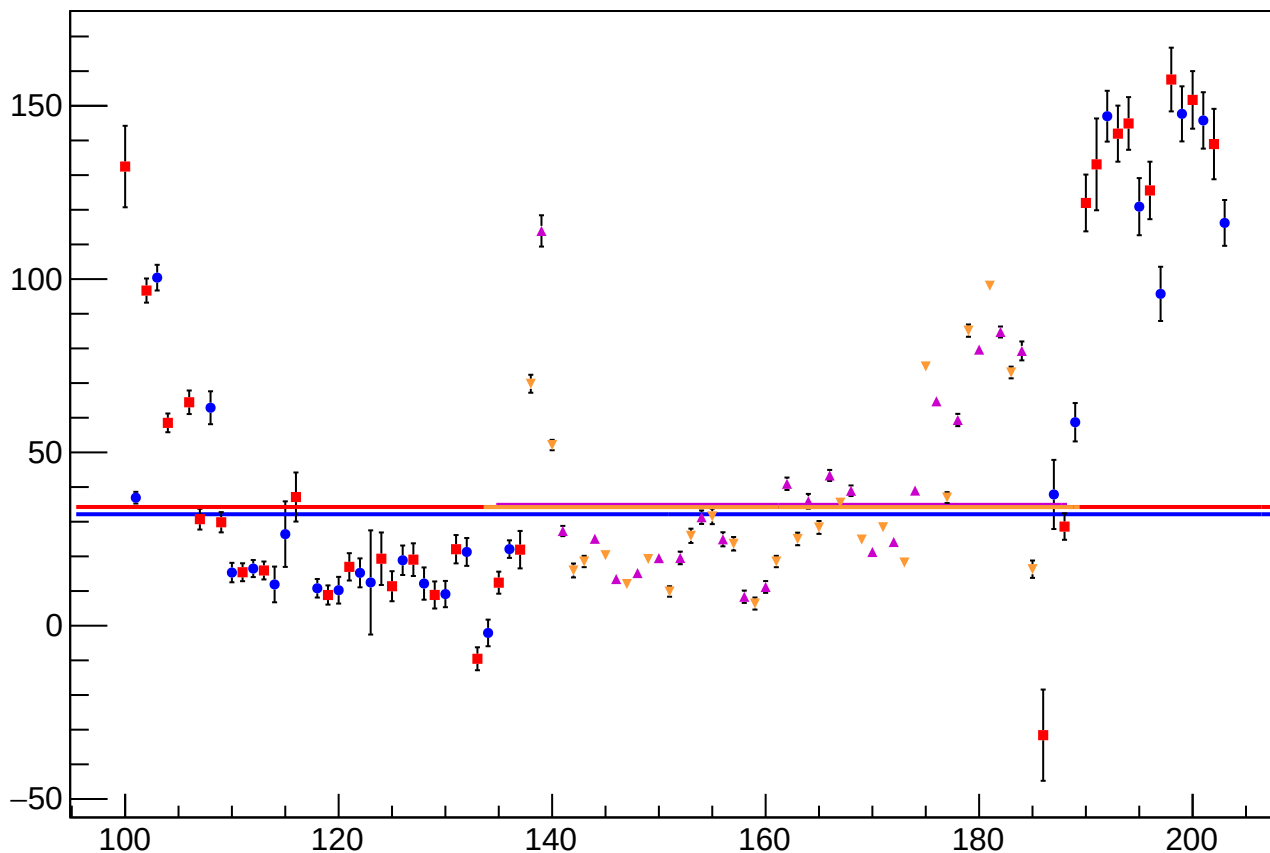
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.489 ± 0.400 χ^2/NDF : 14284.2/32

All: -81.713 ± 0.285 χ^2/NDF : 26642.7/65

- sign -80.914 ± 0.406 χ^2/NDF : 12350.9/32

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 32.156 $\pm$ 0.772 χ^2 /NDF: 1782.5/24

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF: 6192.6/24

Right Out: 34.252 $\pm$ 0.767 χ^2 /NDF: 2276.1/28

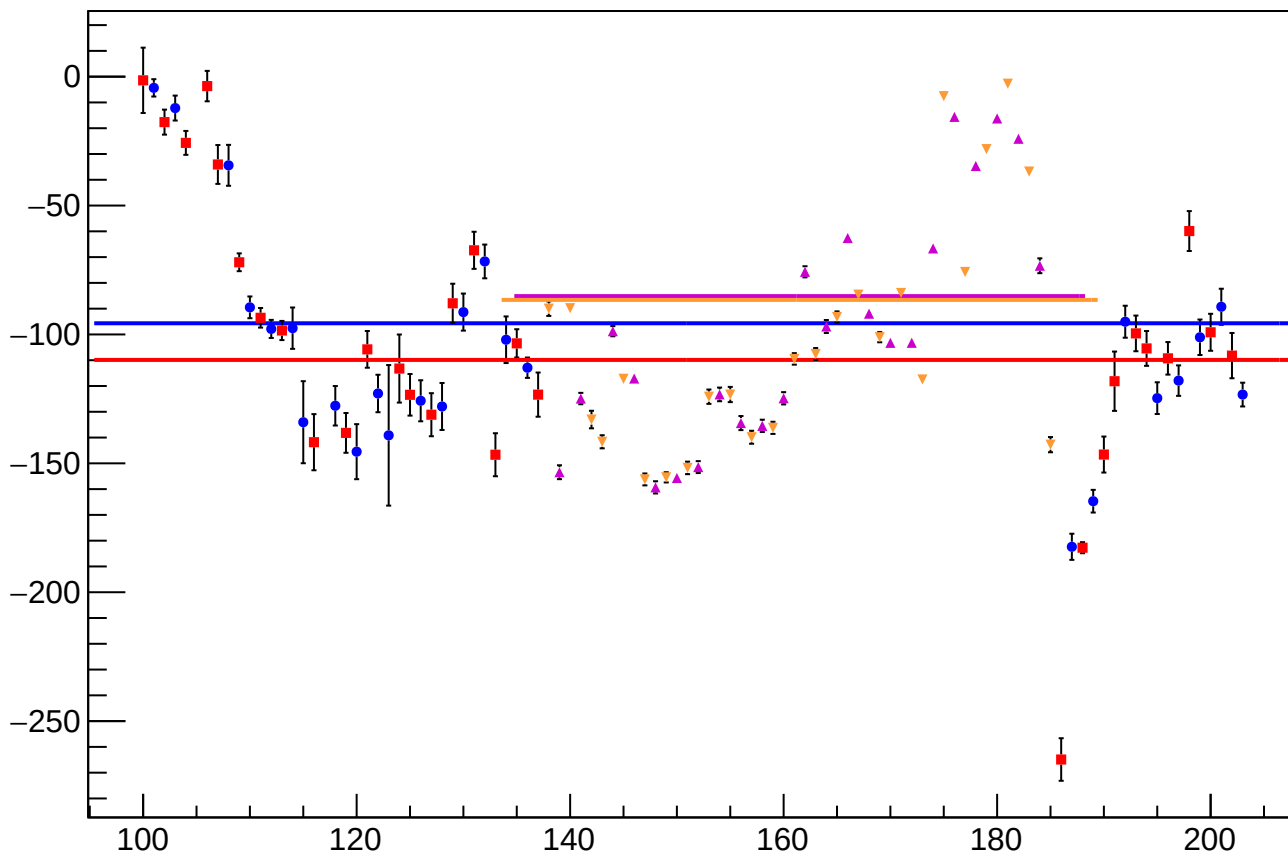
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF: 4716.1/22

+ sign 33.916 $\pm$ 0.296 χ^2 /NDF: 7981.2/49

All: 34.335 $\pm$ 0.211 χ^2 /NDF: 14978.0/101

- sign 34.774 $\pm$ 0.303 χ^2 /NDF: 6992.7/51

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -95.666 ± 1.149 $\chi^2/\text{NDF}: 1830.1/24$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -109.881 ± 1.041 $\chi^2/\text{NDF}: 3017.9/28$

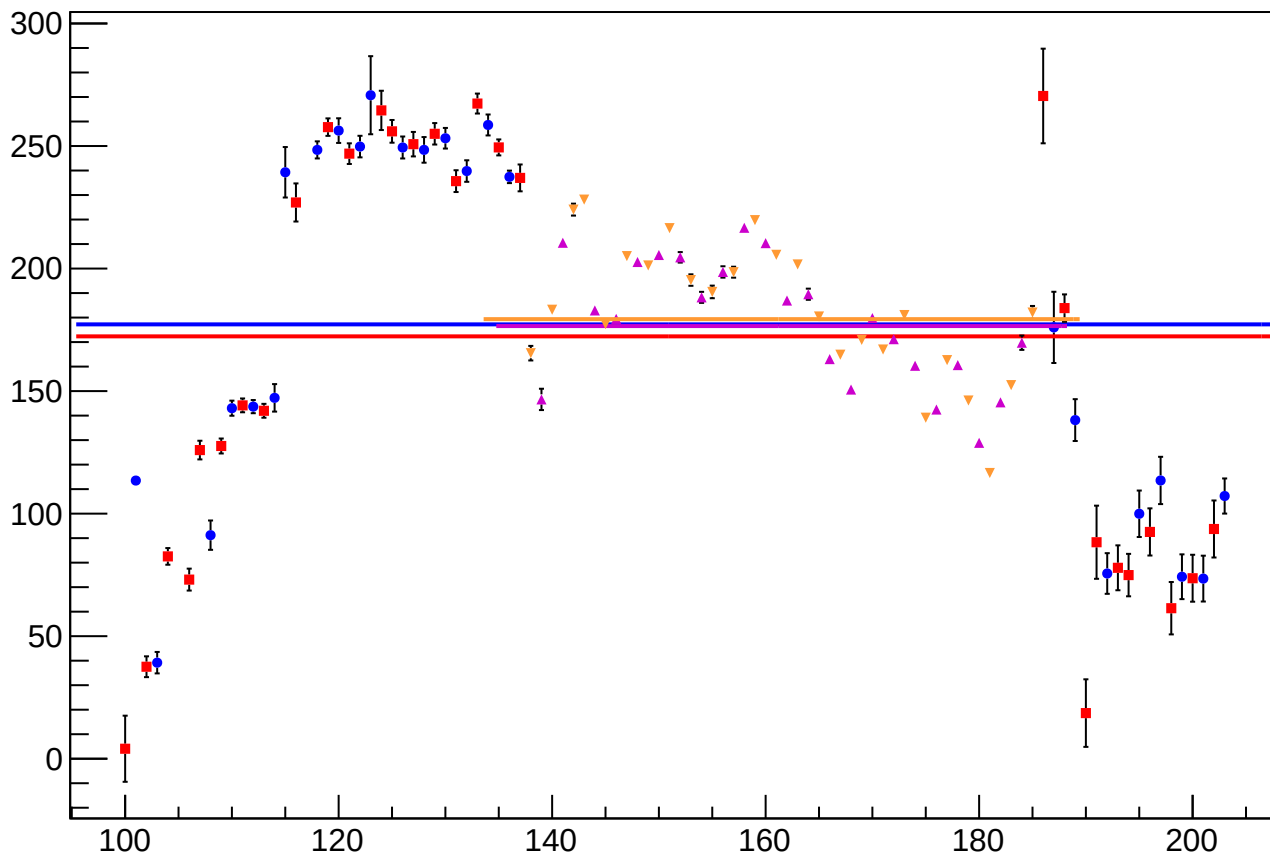
Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

+ sign -87.612 ± 0.385 $\chi^2/\text{NDF}: 16401.1/49$

All: -88.069 ± 0.272 $\chi^2/\text{NDF}: 32750.7/101$

- sign -88.528 ± 0.386 $\chi^2/\text{NDF}: 16346.8/51$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 177.226 ± 0.884 $\chi^2/\text{NDF}: 5990.7/24$

Left Out: 179.359 ± 0.362 $\chi^2/\text{NDF}: 5982.2/24$

Right Out: 172.333 ± 0.885 $\chi^2/\text{NDF}: 7119.5/28$

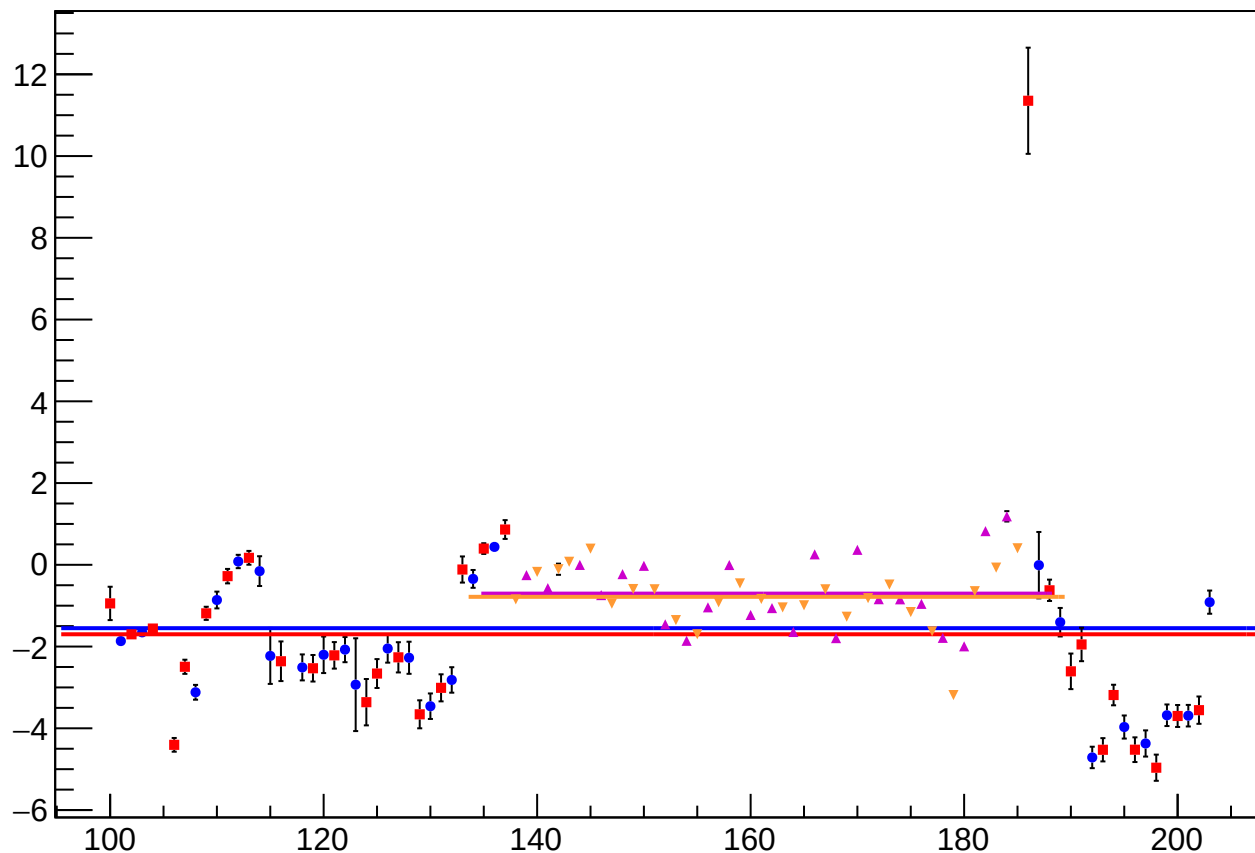
Left In: 176.531 ± 0.371 $\chi^2/\text{NDF}: 4426.0/22$

+ sign 179.053 ± 0.335 $\chi^2/\text{NDF}: 11977.9/49$

All: 177.512 ± 0.239 $\chi^2/\text{NDF}: 23585.8/101$

- sign 175.904 ± 0.342 $\chi^2/\text{NDF}: 11564.6/51$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.550 ± 0.044 χ^2/NDF : 1110.9/24

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.700 ± 0.042 χ^2/NDF : 1499.5/28

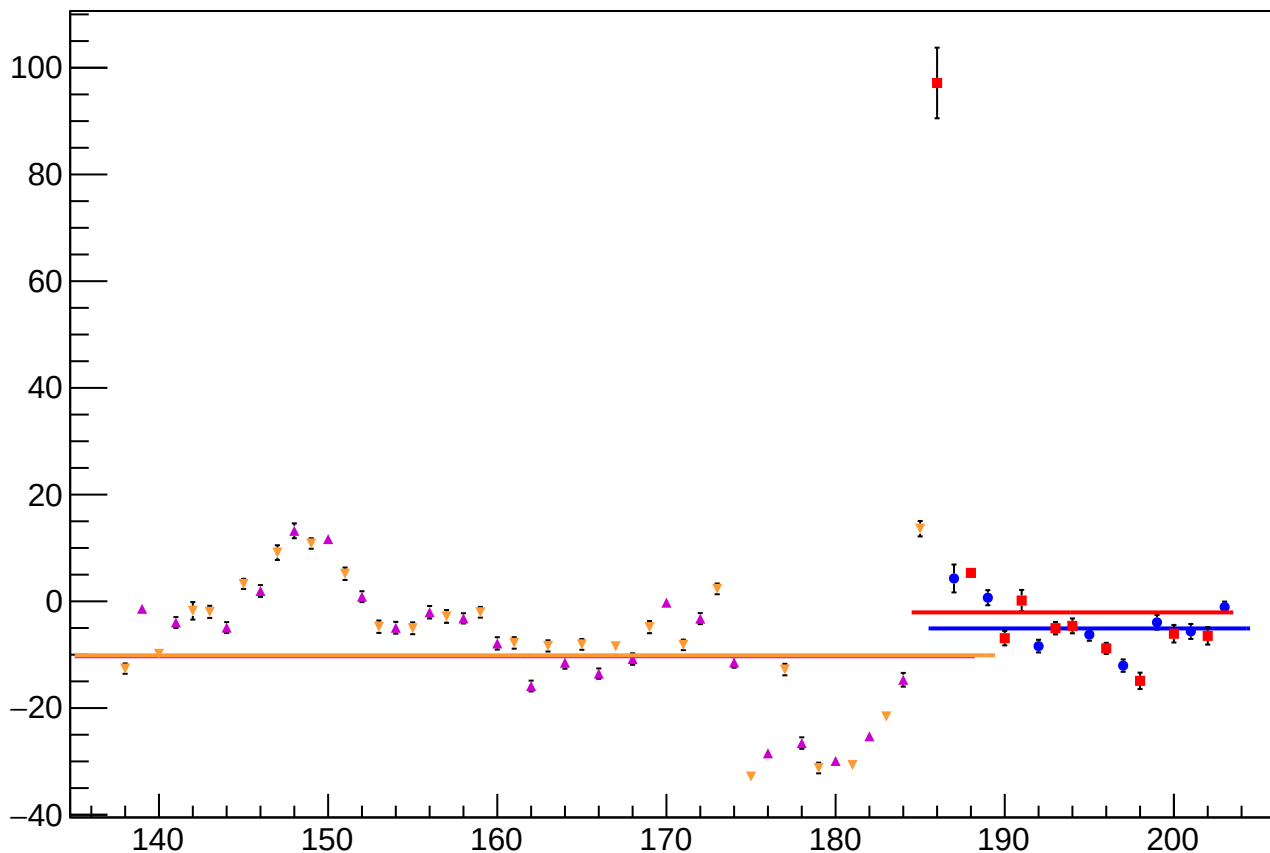
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.879 ± 0.016 χ^2/NDF : 3149.2/49

All: -0.862 ± 0.011 χ^2/NDF : 7546.4/101

- sign -0.845 ± 0.016 χ^2/NDF : 4394.8/51

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -5.080 ± 0.456 χ^2/NDF : 90.0/7

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -2.074 ± 0.389 χ^2/NDF : 507.0/9

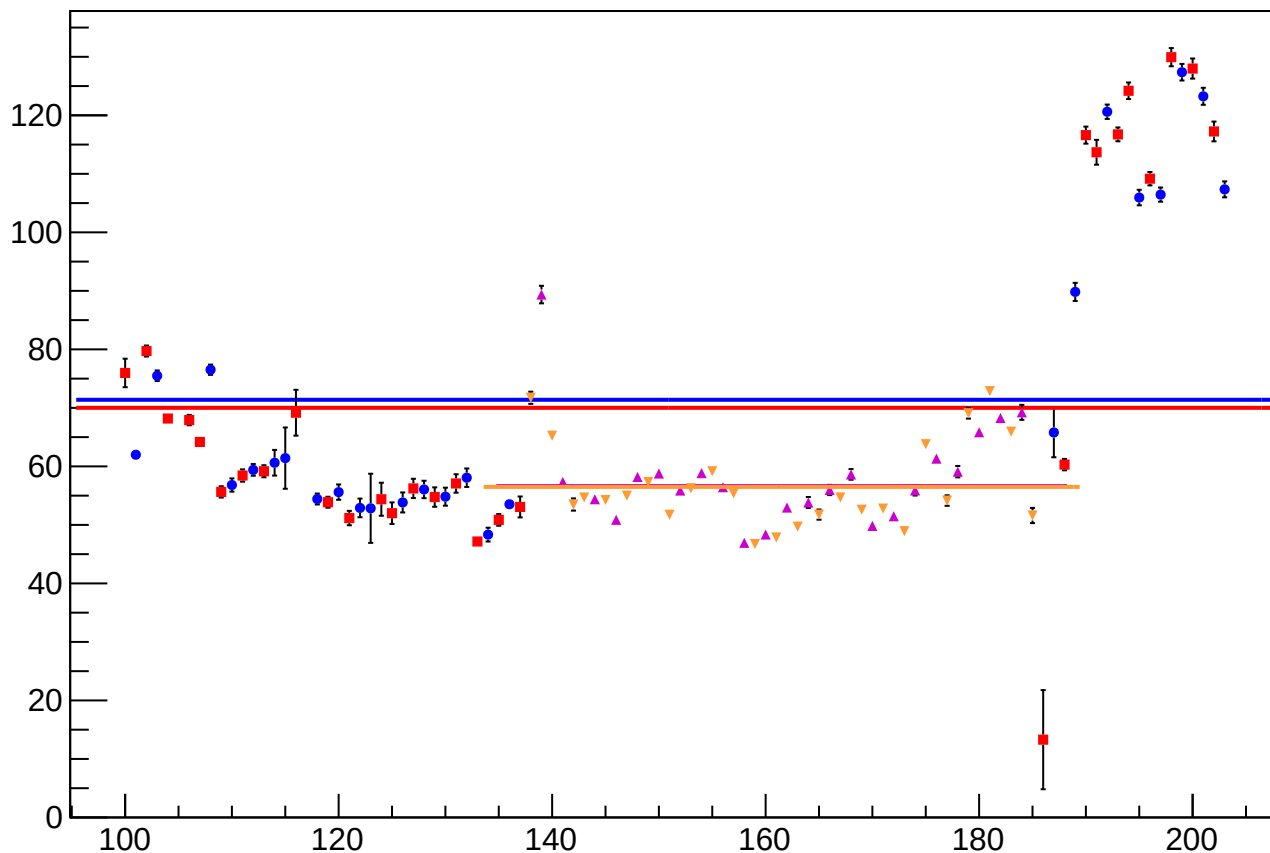
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -9.295 ± 0.184 χ^2/NDF : 4330.3/32

All: -8.891 ± 0.129 χ^2/NDF : 8646.5/65

- sign -8.499 ± 0.182 χ^2/NDF : 4306.8/32

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 71.383+/-0.234 χ^2 /NDF: 9384.6/24

Left Out: 56.496+/-0.159 χ^2 /NDF:1968.0/24

Right Out: 70.010+/-0.218 χ^2 /NDF: 12341.8/28

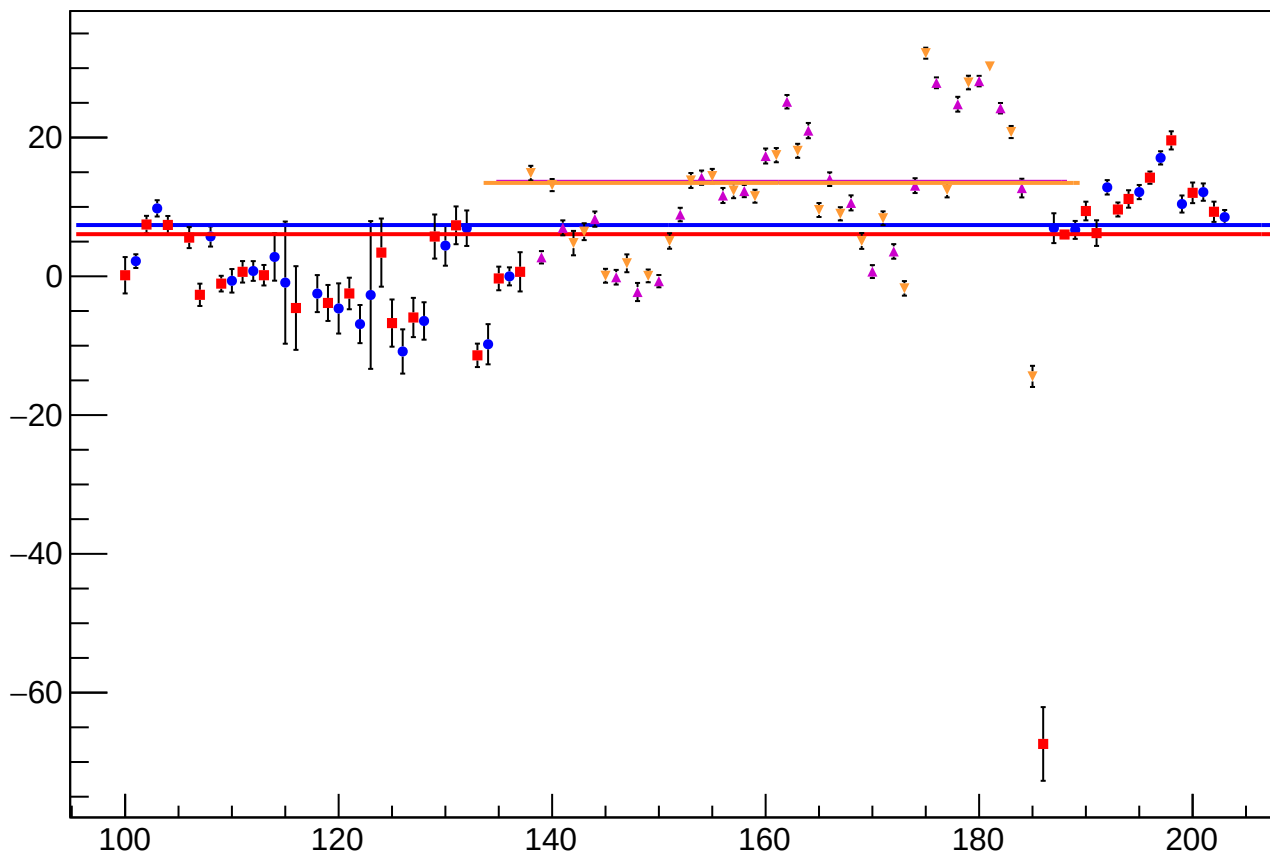
Left In: 56.635+/-0.165 χ^2 /NDF:1607.9/22

+ sign 61.202+/-0.131 χ^2 /NDF: 14128.5/49

All: 61.362+/-0.093 χ^2 /NDF: 30477.8/101

- sign 61.521+/-0.132 χ^2 /NDF: 16346.4/51

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.388 ± 0.305 χ^2/NDF : 433.4/24

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.072 ± 0.262 χ^2/NDF : 733.1/28

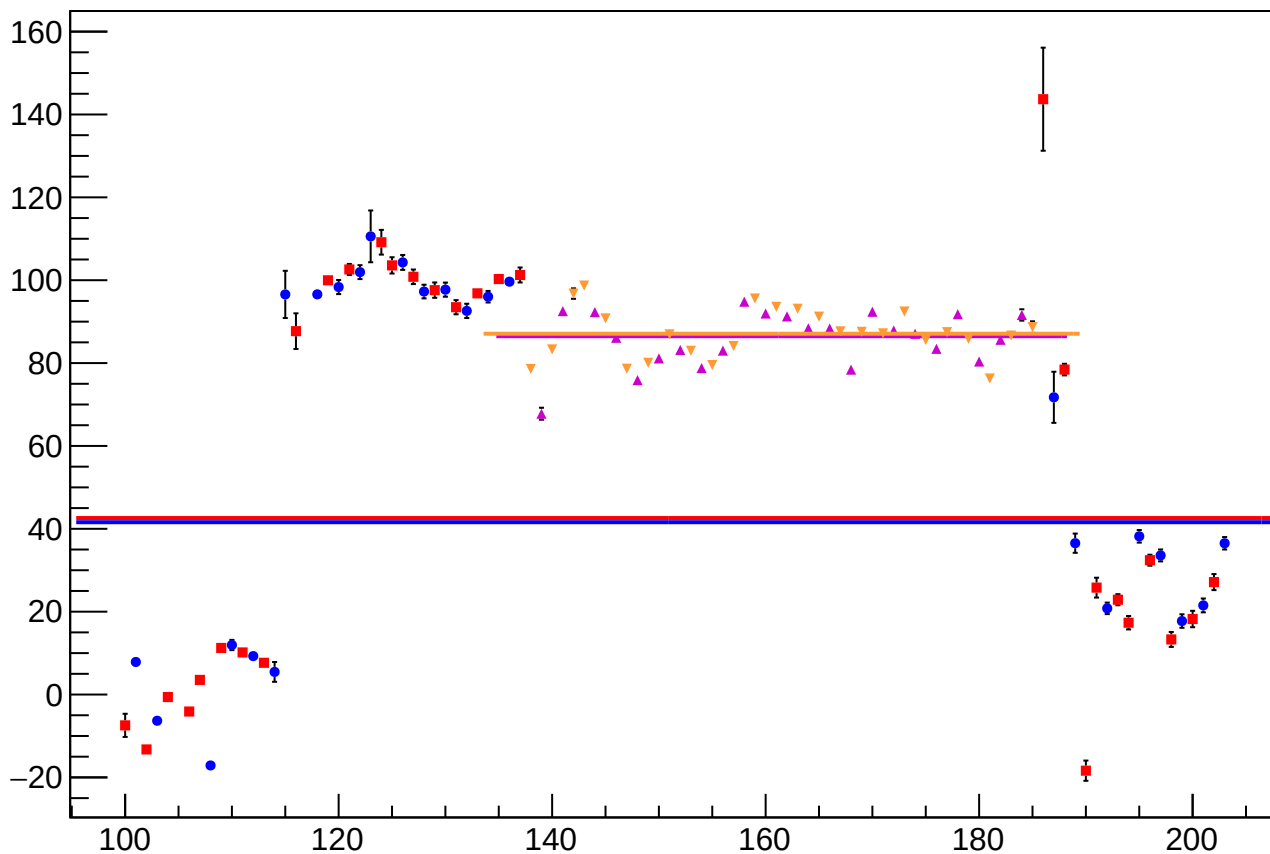
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.613 ± 0.168 χ^2/NDF : 3446.4/49

All: 11.174 ± 0.116 χ^2/NDF : 7022.7/101

- sign 10.769 ± 0.161 χ^2/NDF : 3563.2/51

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 41.592 ± 0.271 $\chi^2/\text{NDF}: 25470.5/24$

Left Out: 87.087 ± 0.179 $\chi^2/\text{NDF}: 1085.8/24$

Right Out: 42.600 ± 0.257 $\chi^2/\text{NDF}: 30745.6/28$

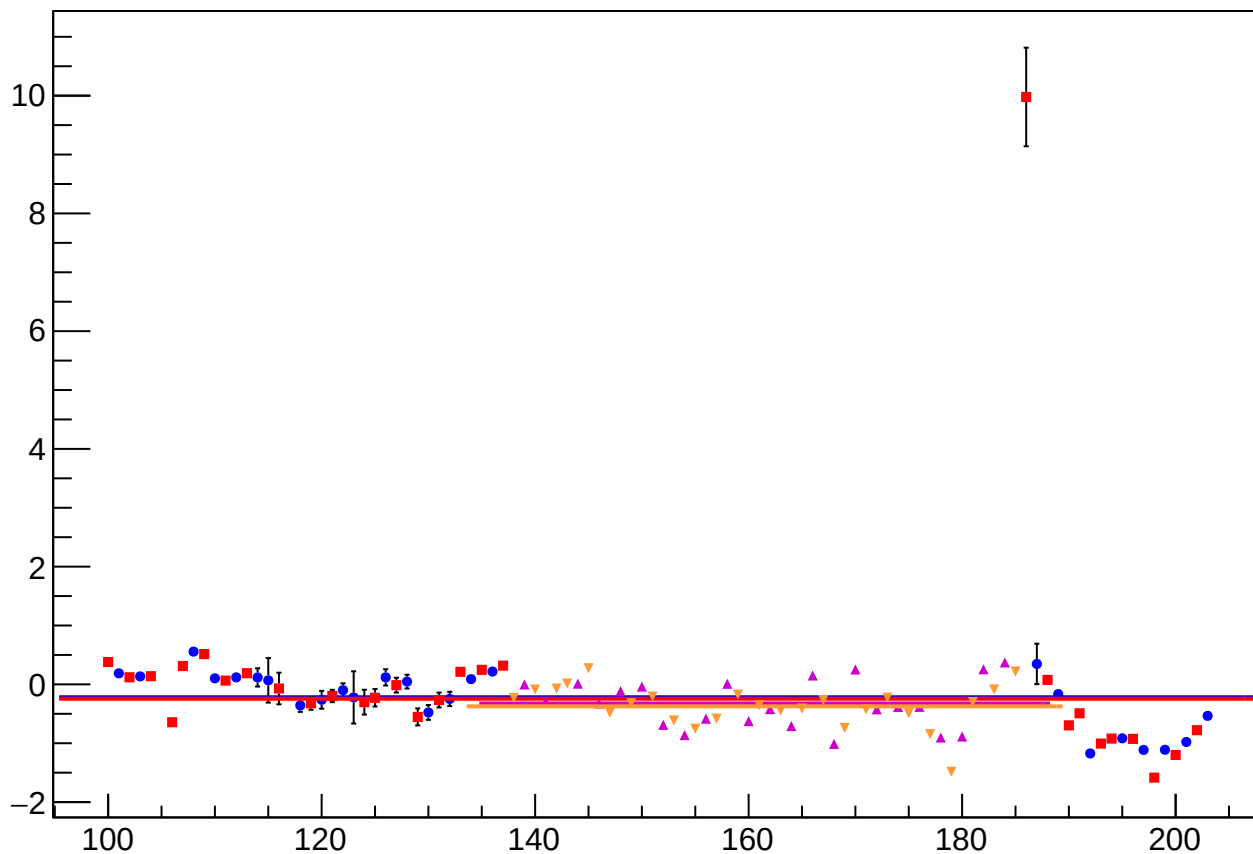
Left In: 86.482 ± 0.185 $\chi^2/\text{NDF}: 1003.2/22$

+ sign 73.291 ± 0.149 $\chi^2/\text{NDF}: 46126.9/49$

All: 72.429 ± 0.106 $\chi^2/\text{NDF}: 97153.9/101$

- sign 71.561 ± 0.150 $\chi^2/\text{NDF}: 50960.2/51$

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.219 $\pm$ 0.011 χ^2/NDF : 2876.8/24

Left Out: -0.373 $\pm$ 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.243 $\pm$ 0.010 χ^2/NDF : 3313.7/28

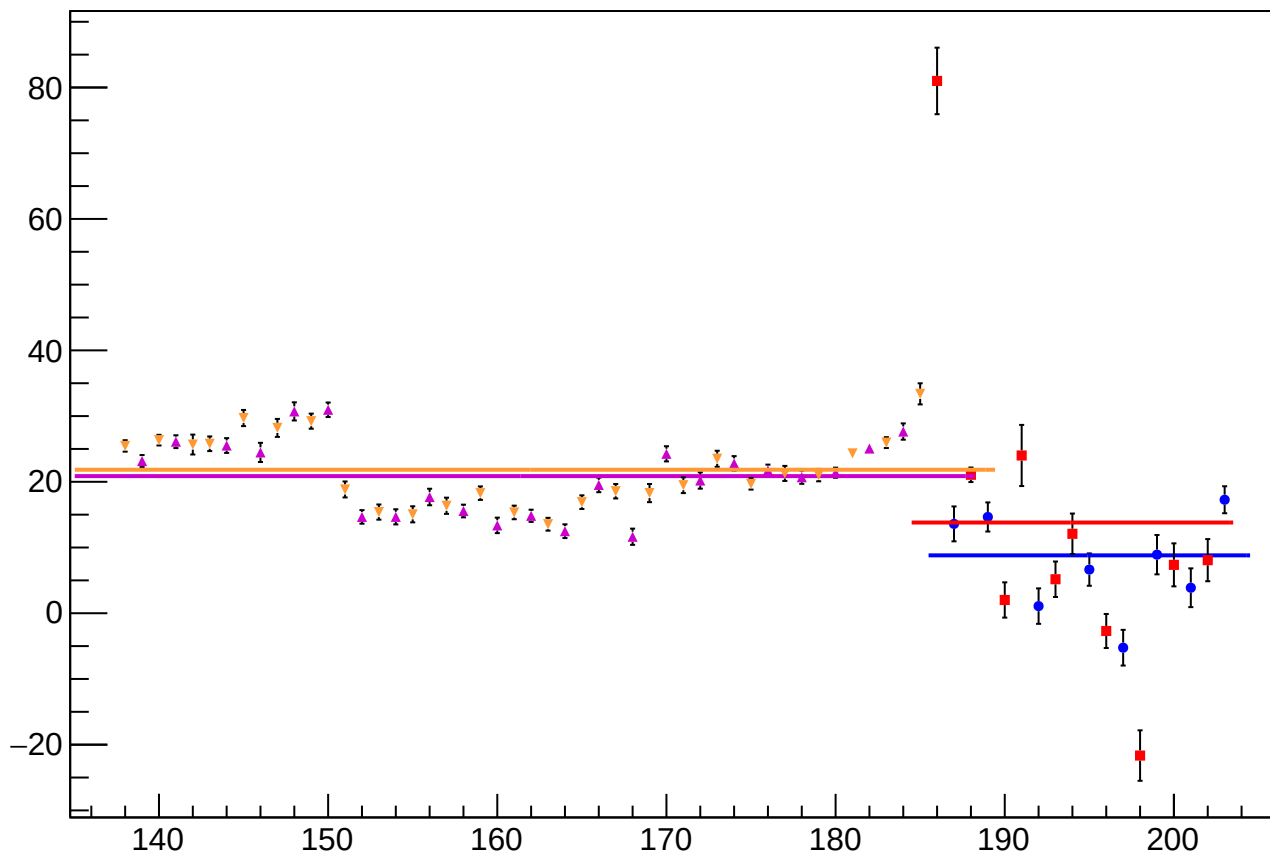
Left In: -0.325 $\pm$ 0.008 χ^2/NDF : 2284.1/22

+ sign -0.320 $\pm$ 0.007 χ^2/NDF : 4670.5/49

All: -0.307 $\pm$ 0.005 χ^2/NDF : 10314.1/101

- sign -0.294 $\pm$ 0.006 χ^2/NDF : 5635.7/51

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 8.808 ± 0.895 $\chi^2/\text{NDF}: 65.7/7$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 13.803 ± 0.769 $\chi^2/\text{NDF}: 386.8/9$

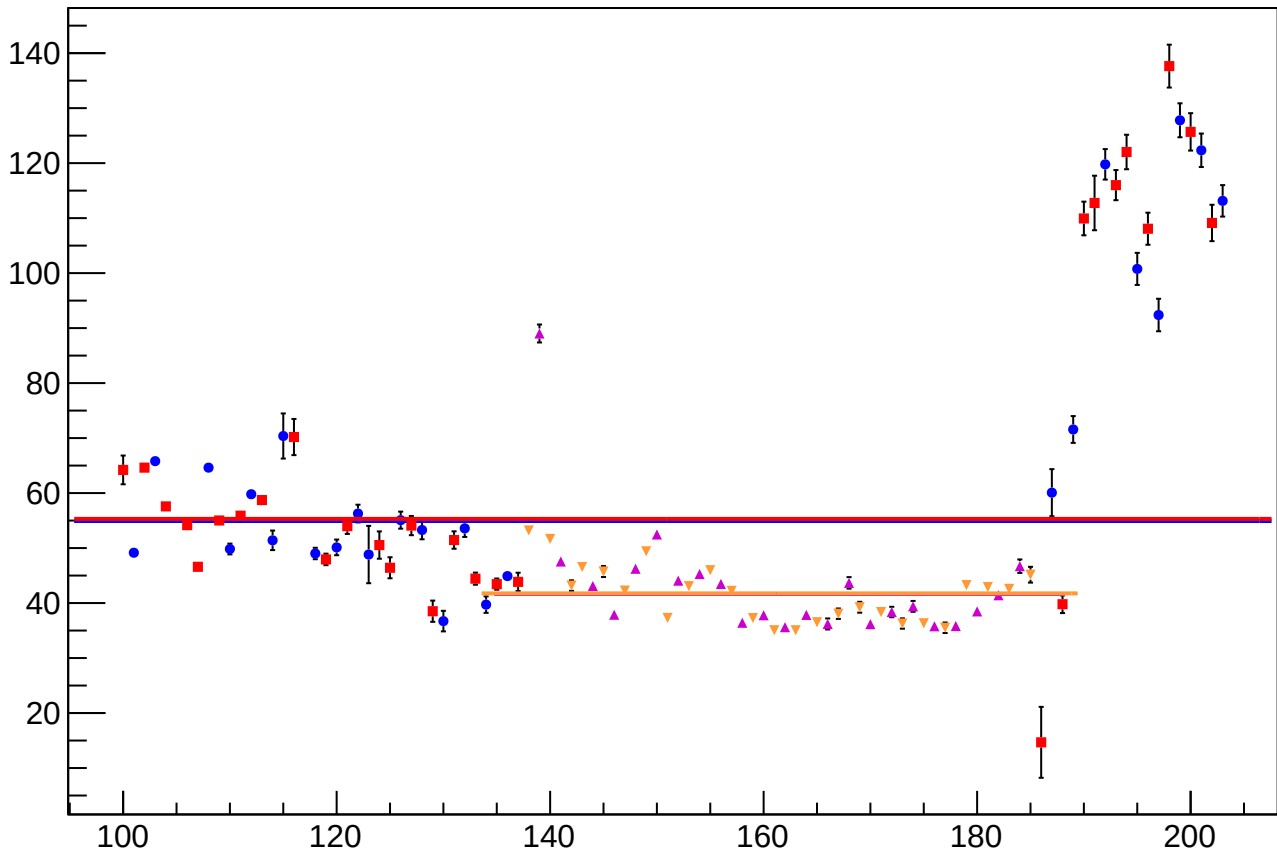
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 21.158 ± 0.204 $\chi^2/\text{NDF}: 790.7/32$

All: 20.761 ± 0.146 $\chi^2/\text{NDF}: 1840.3/65$

- sign 20.347 ± 0.209 $\chi^2/\text{NDF}: 1041.8/32$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 54.920 ± 0.207 χ^2/NDF : 3745.6/24

Left Out: 41.757 ± 0.165 χ^2/NDF : 1015.7/24

Right Out: 55.305 ± 0.220 χ^2/NDF : 3948.3/28

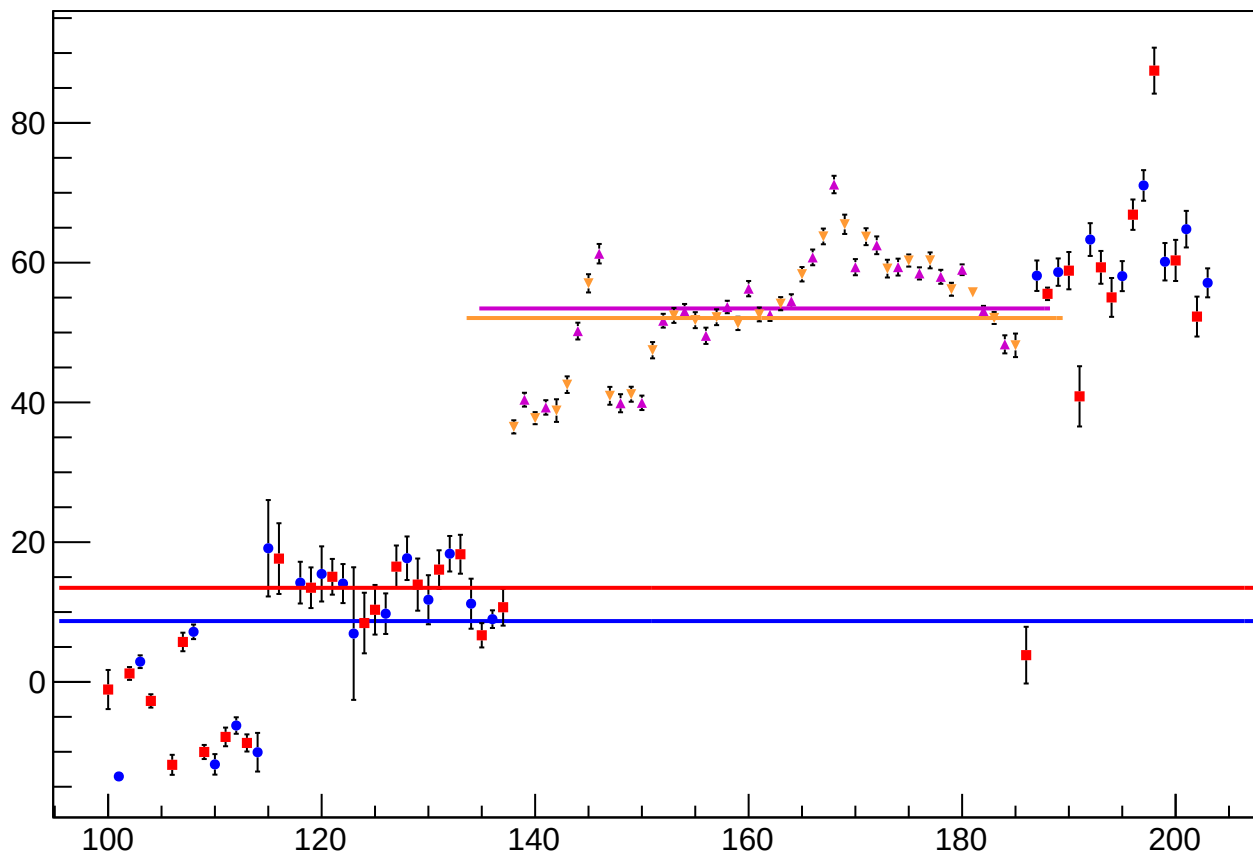
Left In: 41.643 ± 0.174 χ^2/NDF : 1611.0/22

+ sign 46.889 ± 0.129 χ^2/NDF : 7231.6/49

All: 46.885 ± 0.094 χ^2/NDF : 15160.7/101

- sign 46.881 ± 0.136 χ^2/NDF : 7929.1/51

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 8.708 $\pm$ 0.331 χ^2/NDF : 6174.6/24

Left Out: 52.076 $\pm$ 0.210 χ^2/NDF :1450.9/24

Right Out: 13.465 $\pm$ 0.326 χ^2/NDF : 6696.5/28

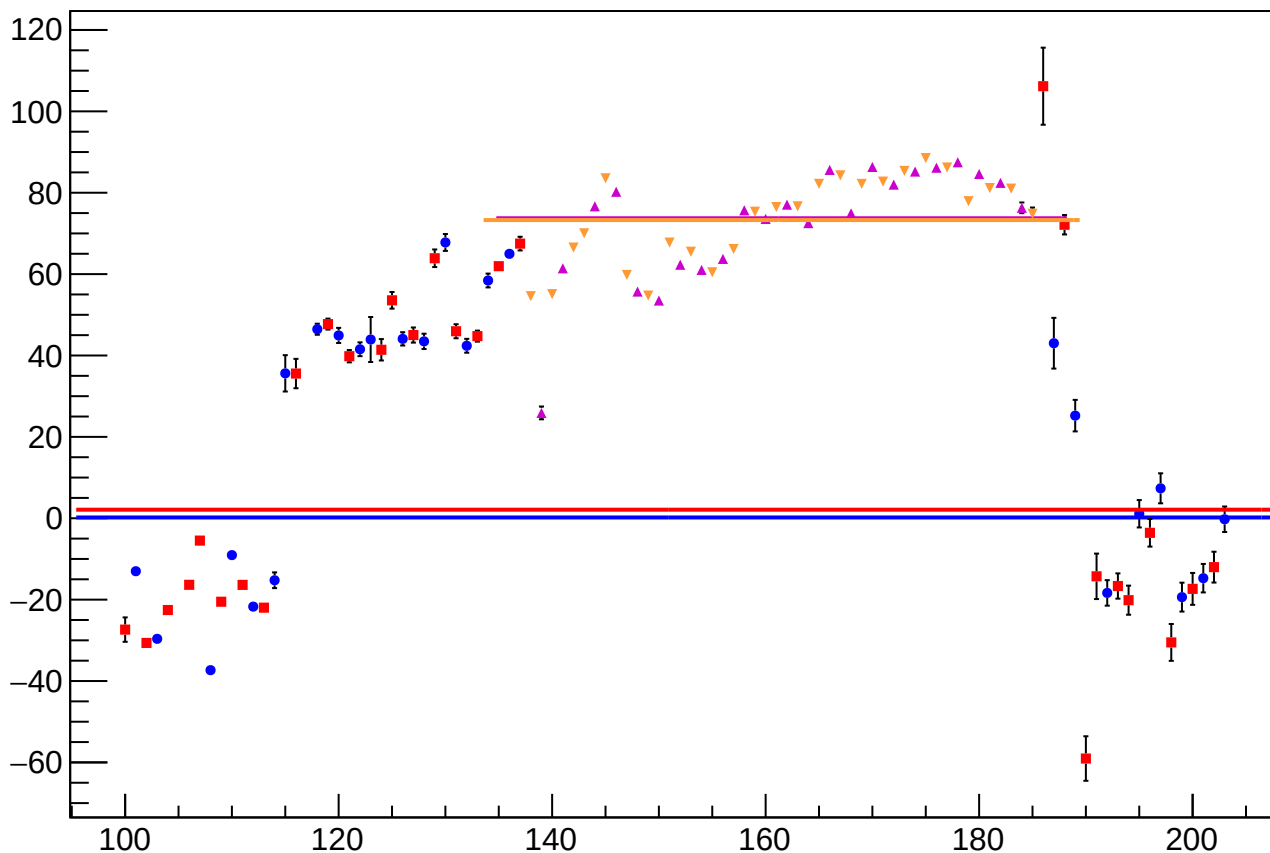
Left In: 53.447 $\pm$ 0.215 χ^2/NDF :1169.0/22

+ sign 39.641 $\pm$ 0.177 χ^2/NDF : 19854.0/49

All: 40.468 $\pm$ 0.126 χ^2/NDF : 38220.0/101

- sign 41.318 $\pm$ 0.180 χ^2/NDF : 18321.9/51

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.194 ± 0.243 χ^2/NDF : 18396.6/24

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.104 ± 0.260 χ^2/NDF : 16699.9/28

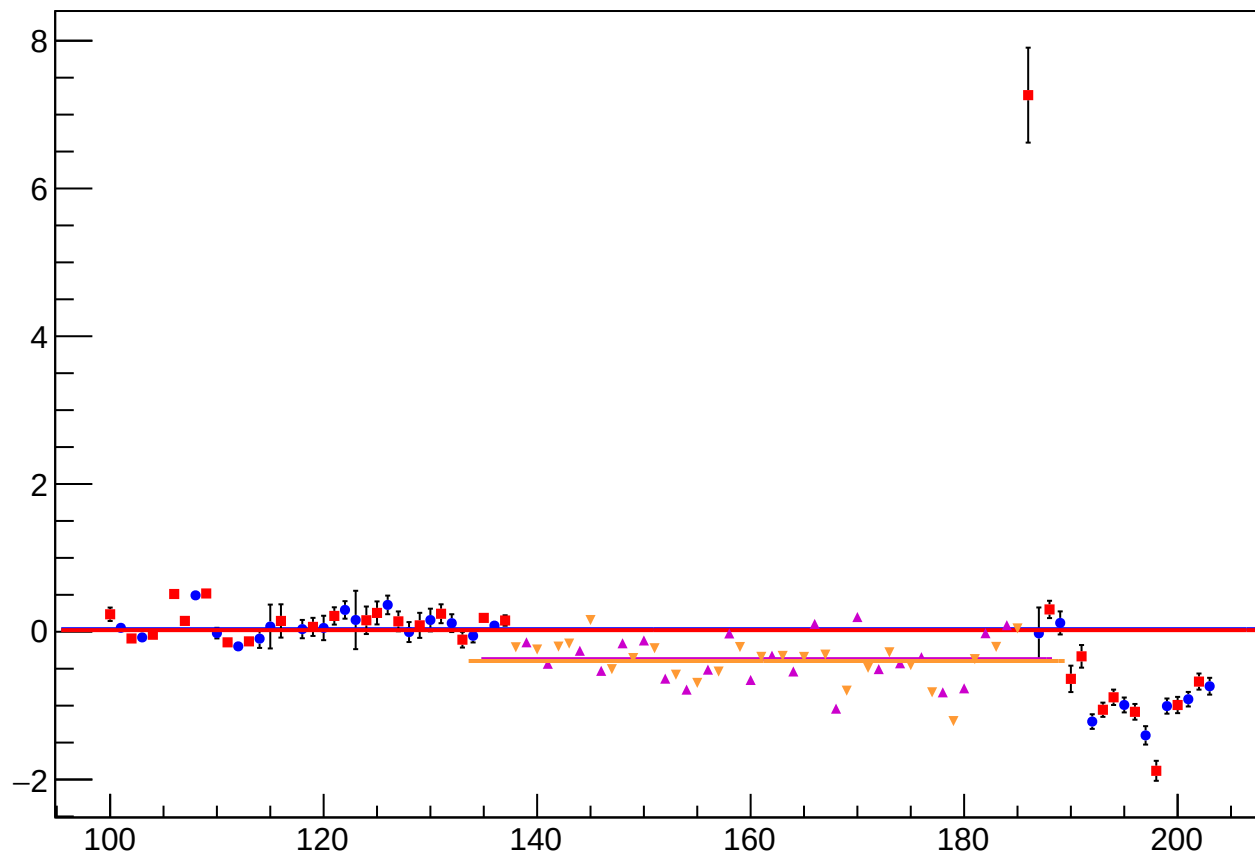
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.137 ± 0.148 χ^2/NDF : 78374.5/49

All: 47.069 ± 0.107 χ^2/NDF : 147544.0/101

- sign 48.099 ± 0.156 χ^2/NDF : 69086.3/51

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.035 ± 0.011 χ^2/NDF : 1078.4/24

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.022 ± 0.011 χ^2/NDF : 1211.2/28

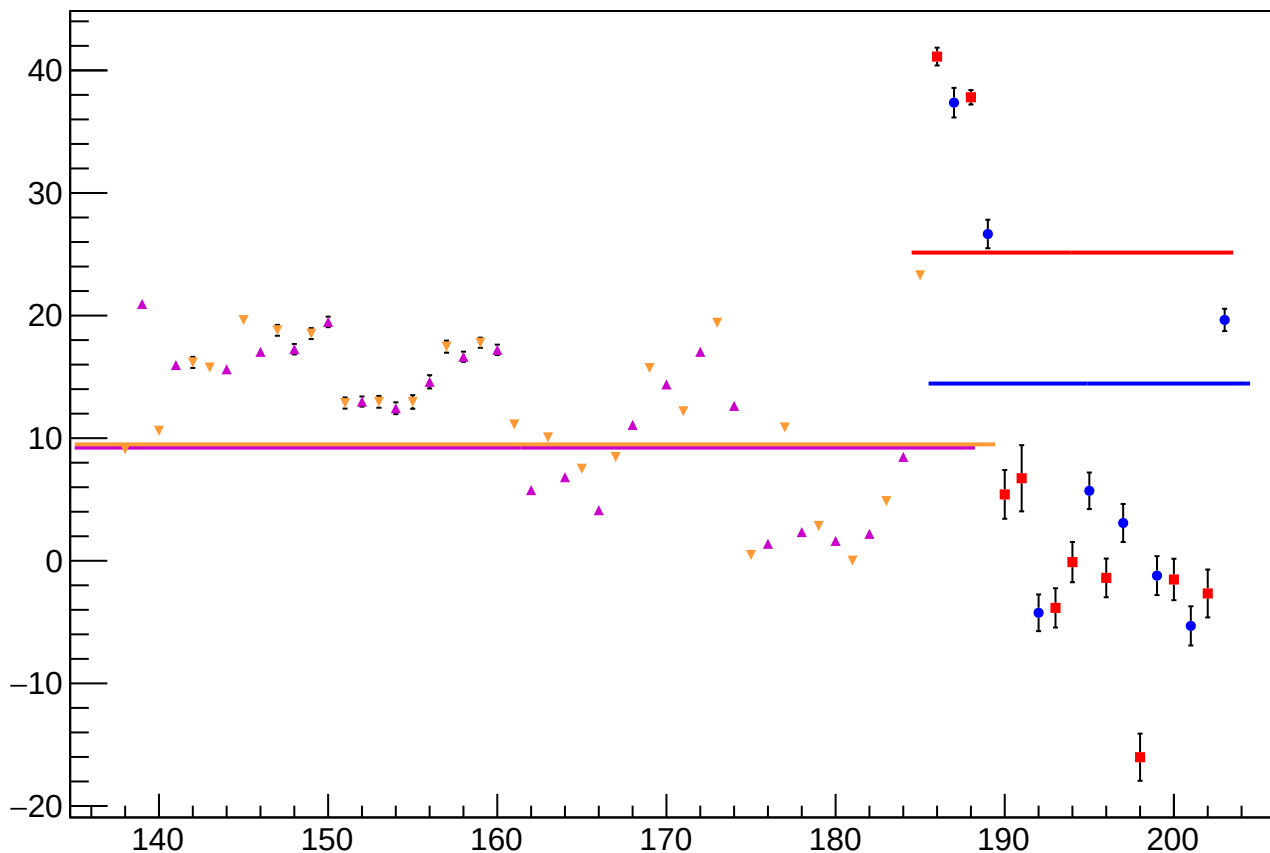
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.227 ± 0.007 χ^2/NDF : 3020.1/49

All: -0.220 ± 0.005 χ^2/NDF : 6366.8/101

- sign -0.213 ± 0.007 χ^2/NDF : 3344.2/51

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 14.457 ± 0.460 $\chi^2/\text{NDF}: 996.8/7$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 25.138 ± 0.373 $\chi^2/\text{NDF}: 2843.6/9$

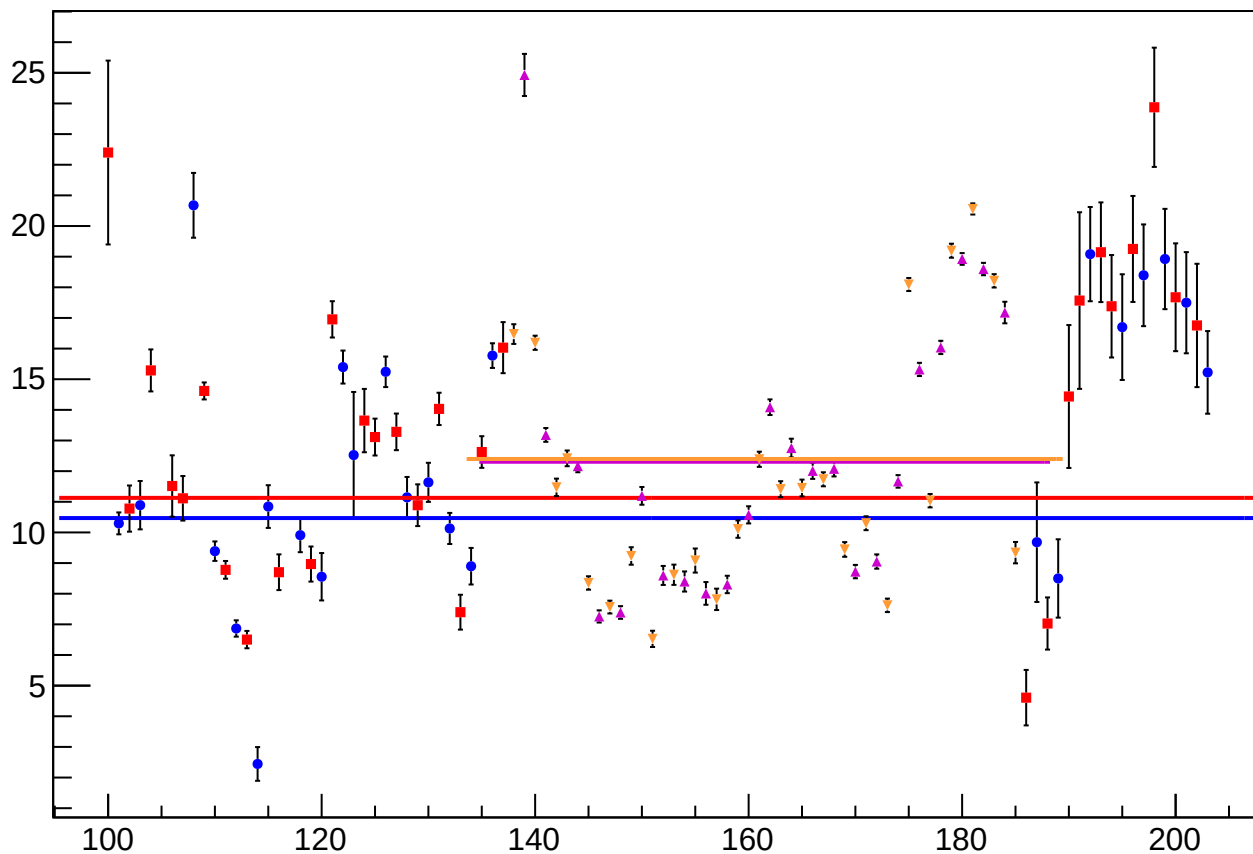
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 9.581 ± 0.061 $\chi^2/\text{NDF}: 13720.4/32$

All: 9.626 ± 0.043 $\chi^2/\text{NDF}: 29070.1/65$

- sign 9.673 ± 0.062 $\chi^2/\text{NDF}: 15348.7/32$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.469 $\pm$ 0.117 χ^2 /NDF: 996.5/24

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 11.128 $\pm$ 0.113 χ^2 /NDF: 1023.7/28

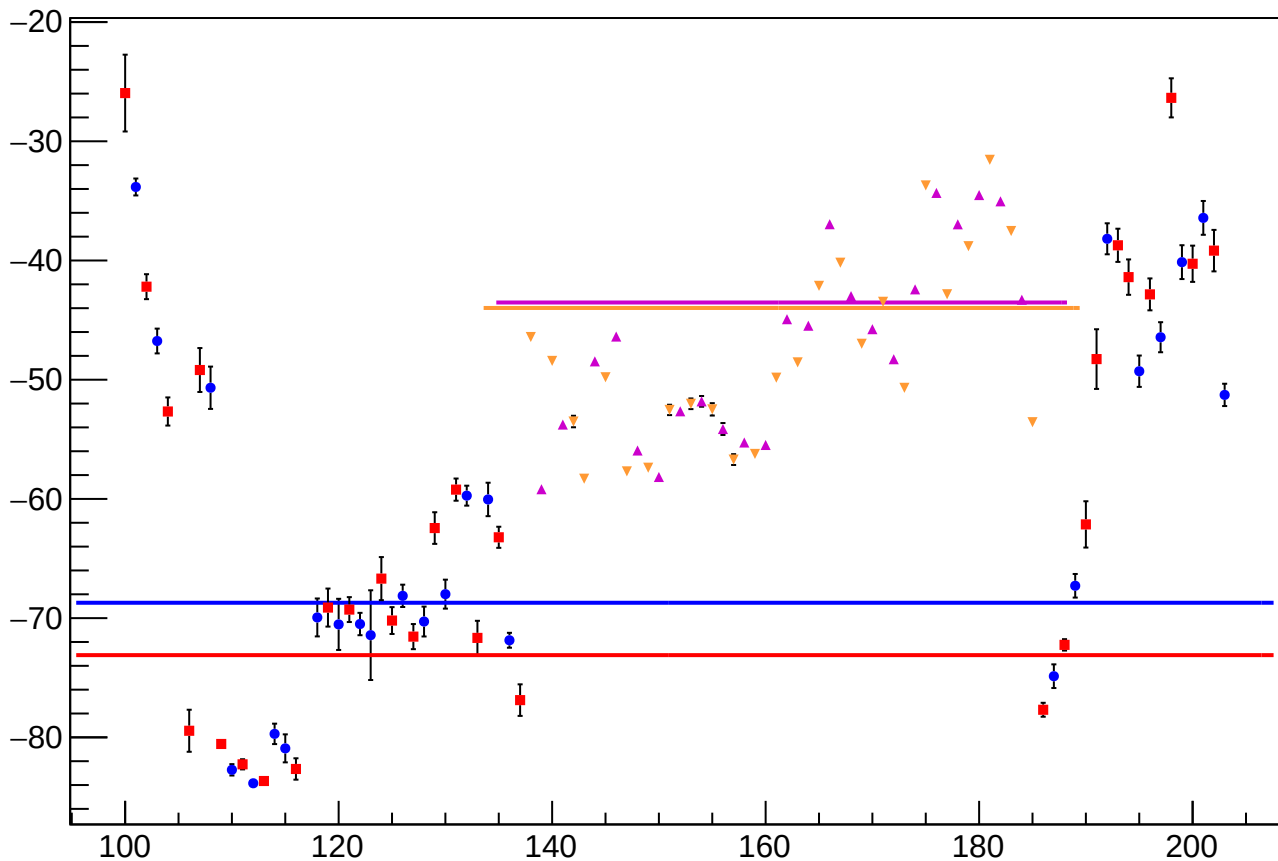
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.102 $\pm$ 0.046 χ^2 /NDF: 8769.6/49

All: 12.104 $\pm$ 0.033 χ^2 /NDF: 15485.6/101

- sign 12.106 $\pm$ 0.047 χ^2 /NDF: 6716.0/51

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -68.710 ± 0.179 $\chi^2/\text{NDF}: 8264.6/24$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -73.103 ± 0.156 $\chi^2/\text{NDF}: 7151.1/28$

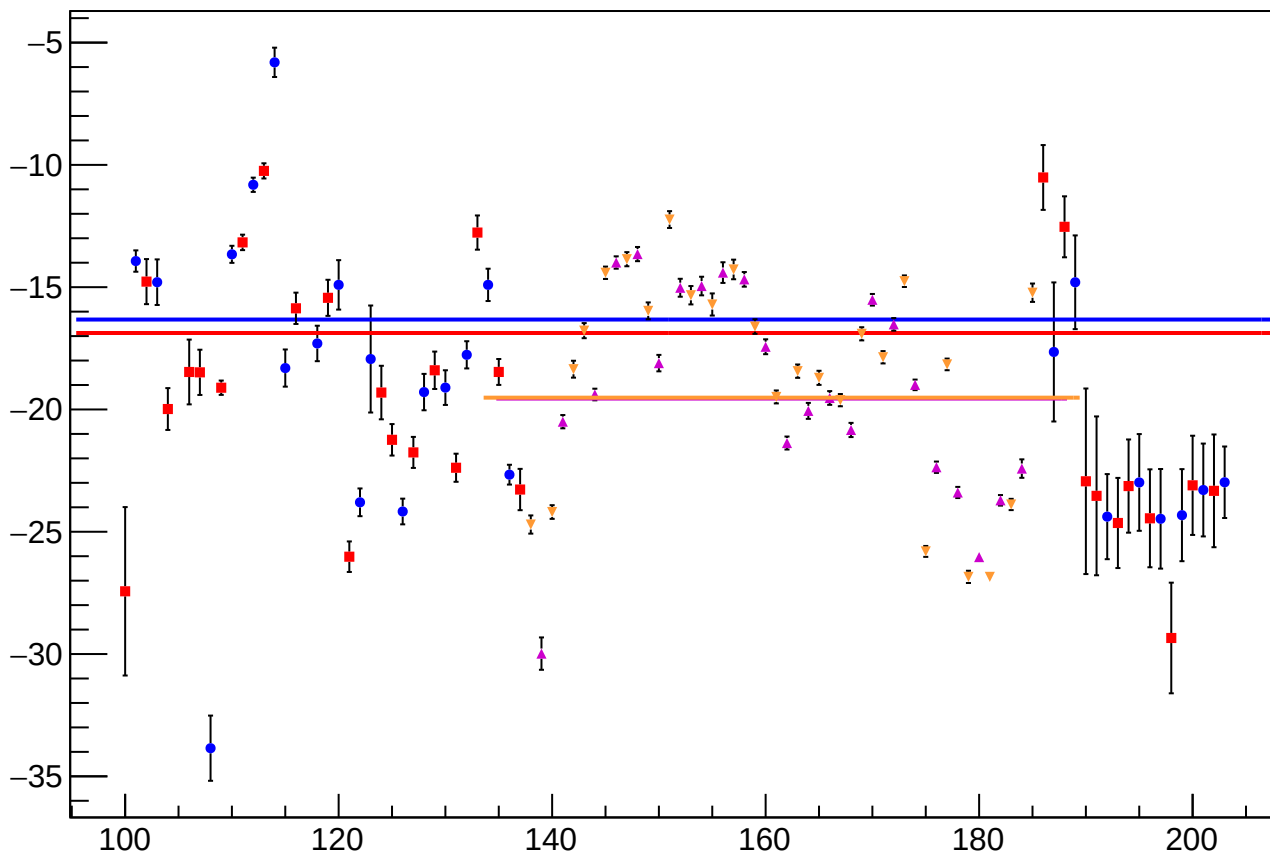
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -46.637 ± 0.059 $\chi^2/\text{NDF}: 43120.2/49$

All: -47.161 ± 0.041 $\chi^2/\text{NDF}: 96426.2/101$

- sign -47.688 ± 0.059 $\chi^2/\text{NDF}: 53145.3/51$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.323 ± 0.130 $\chi^2/\text{NDF}: 1725.8/24$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -16.873 ± 0.125 $\chi^2/\text{NDF}: 1344.2/28$

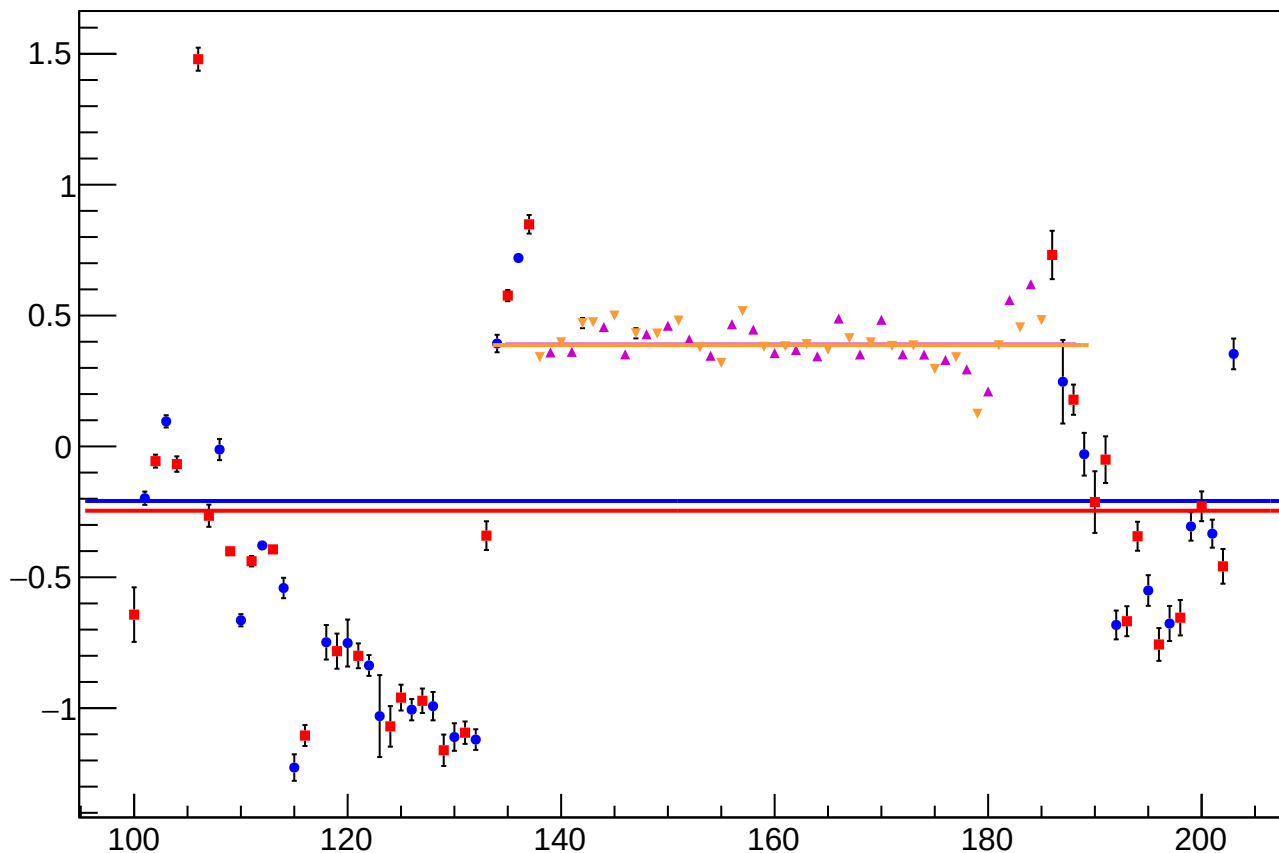
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.023 ± 0.051 $\chi^2/\text{NDF}: 8752.1/49$

All: -19.056 ± 0.037 $\chi^2/\text{NDF}: 14786.3/101$

- sign -19.092 ± 0.052 $\chi^2/\text{NDF}: 6033.3/51$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.209 ± 0.007 χ^2/NDF : 6589.6/24

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.246 ± 0.007 χ^2/NDF : 6519.6/28

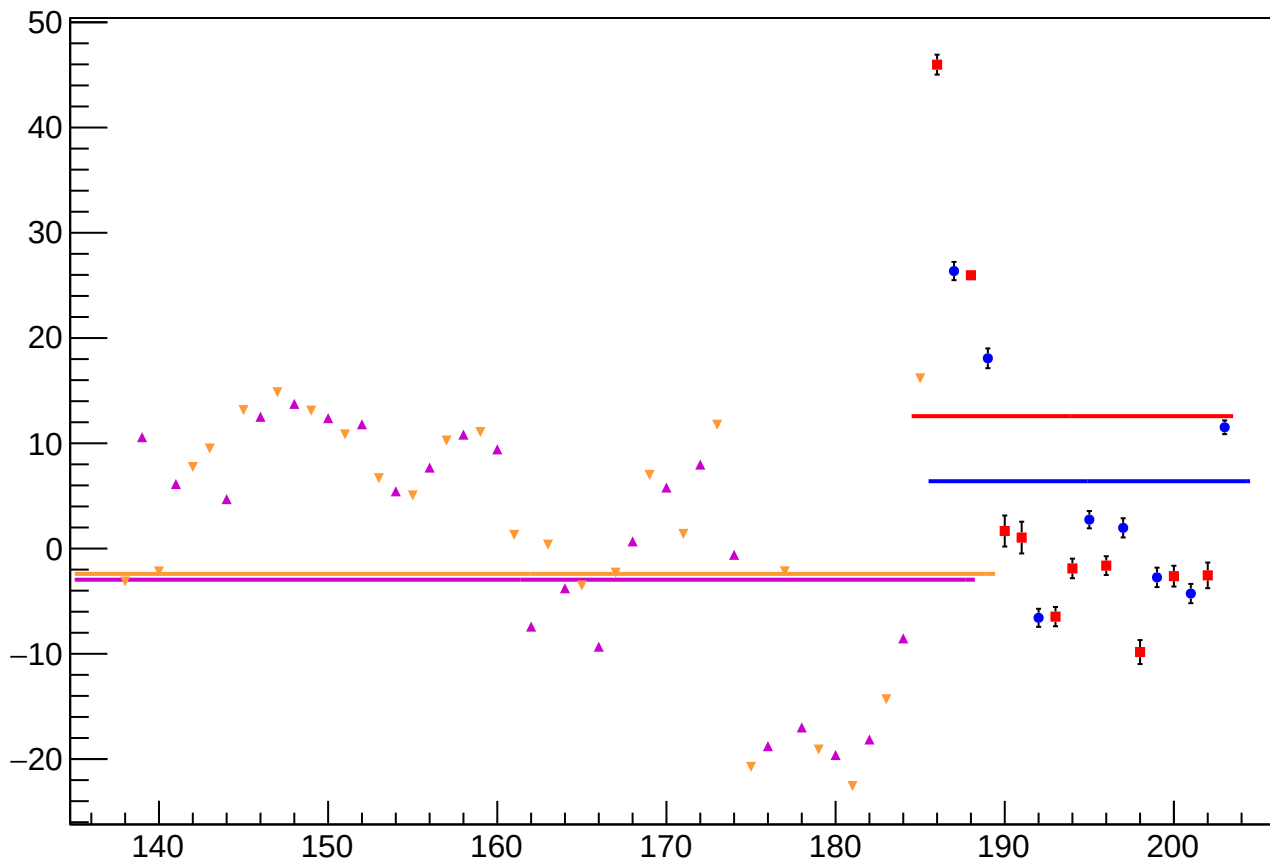
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.320 ± 0.002 χ^2/NDF : 13725.0/49

All: 0.313 ± 0.002 χ^2/NDF : 29106.1/101

- sign 0.307 ± 0.002 χ^2/NDF : 15367.9/51

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 6.397 ± 0.299 χ^2/NDF : 1250.9/7

Left Out: -2.407 ± 0.053 χ^2/NDF : 56368.5/24

Right Out: 12.578 ± 0.272 χ^2/NDF : 4040.4/9

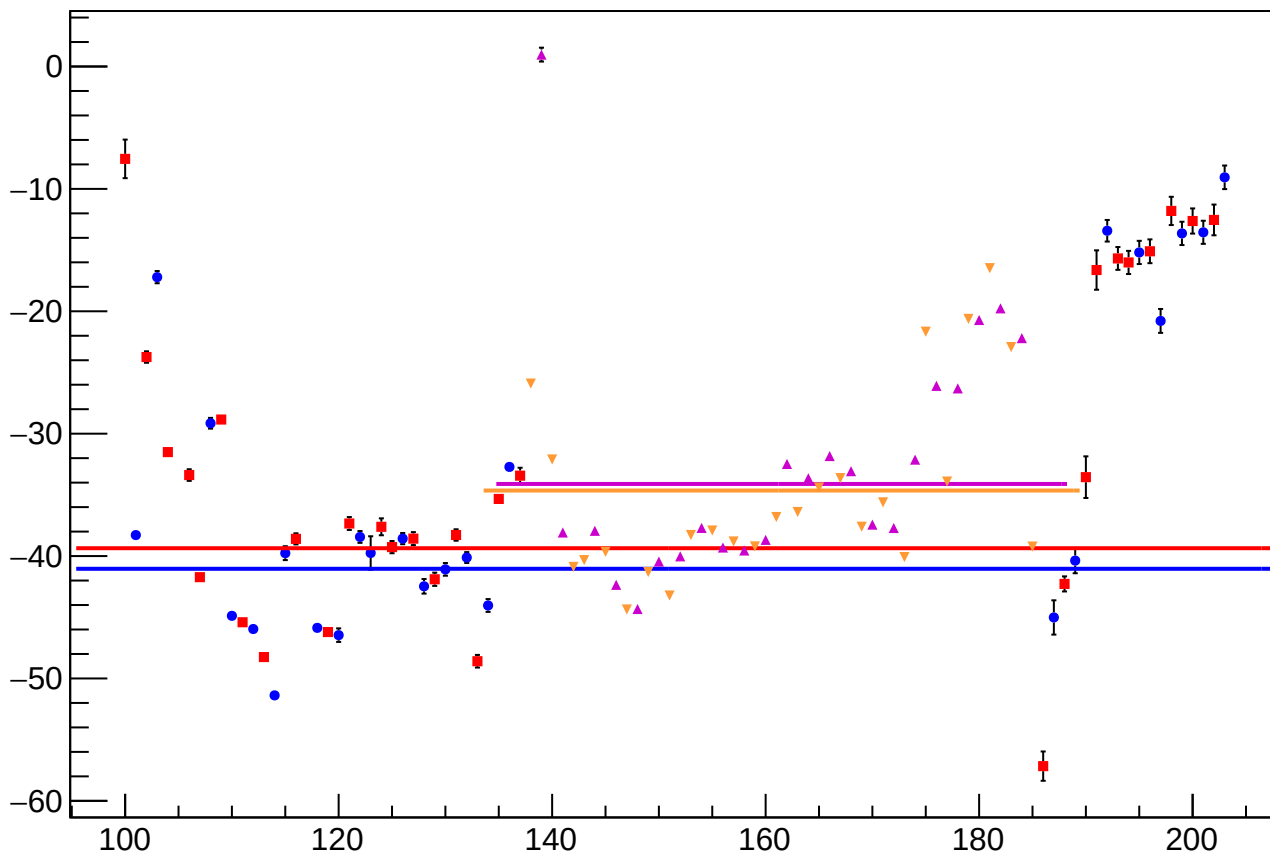
Left In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22

+ sign -2.141 ± 0.052 χ^2/NDF : 58461.4/32

All: -2.242 ± 0.037 χ^2/NDF : 111576.2/65

- sign -2.350 ± 0.054 χ^2/NDF : 53106.9/32

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.039 ± 0.076 $\chi^2/\text{NDF}: 11689.3/24$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -39.358 ± 0.071 $\chi^2/\text{NDF}: 15448.4/28$

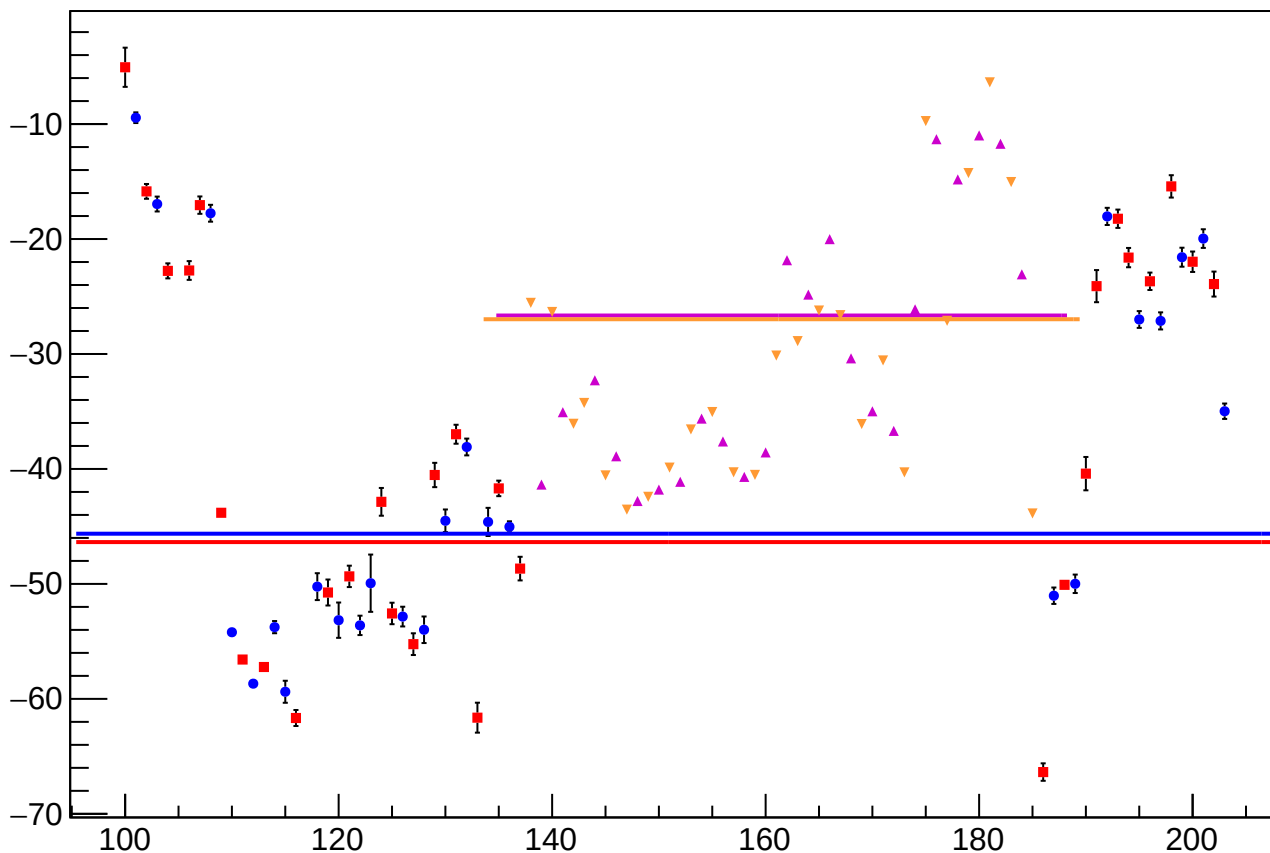
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.121 ± 0.037 $\chi^2/\text{NDF}: 51766.9/49$

All: -35.847 ± 0.026 $\chi^2/\text{NDF}: 100333.9/101$

- sign -35.563 ± 0.037 $\chi^2/\text{NDF}: 48453.5/51$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -45.633 ± 0.113 $\chi^2/\text{NDF}: 20103.2/24$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -46.362 ± 0.097 $\chi^2/\text{NDF}: 18277.0/28$

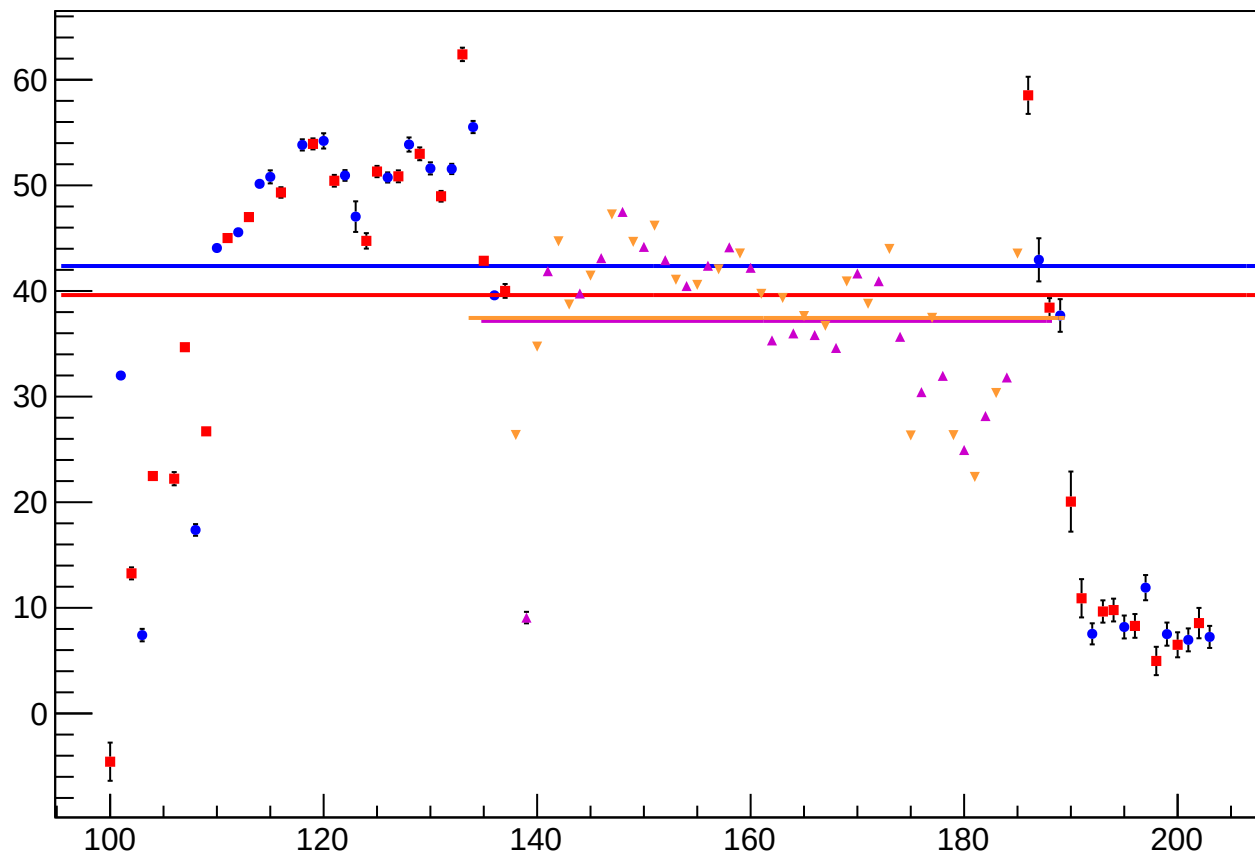
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.364 ± 0.048 $\chi^2/\text{NDF}: 91794.3/49$

All: -30.899 ± 0.034 $\chi^2/\text{NDF}: 183590.6/101$

- sign -31.426 ± 0.048 $\chi^2/\text{NDF}: 91551.1/51$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.365 $\pm$ 0.085 χ^2 /NDF: 16880.6/24

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 39.613 $\pm$ 0.079 χ^2 /NDF: 22382.6/28

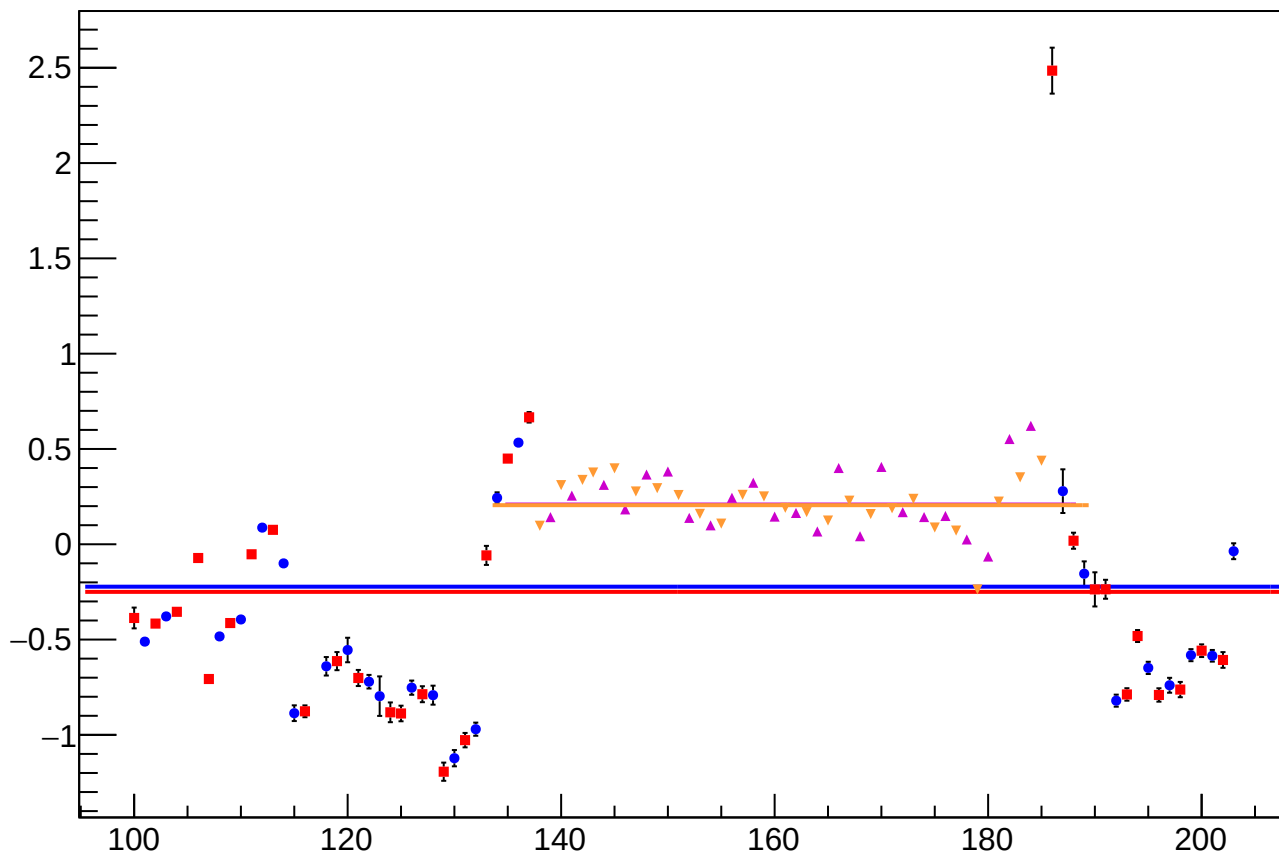
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.601 $\pm$ 0.041 χ^2 /NDF: 41002.8/49

All: 38.234 $\pm$ 0.029 χ^2 /NDF: 81475.9/101

- sign 37.858 $\pm$ 0.042 χ^2 /NDF: 40312.9/51

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.223 ± 0.005 χ^2/NDF : 8460.8/24

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.250 ± 0.004 χ^2/NDF : 8908.2/28

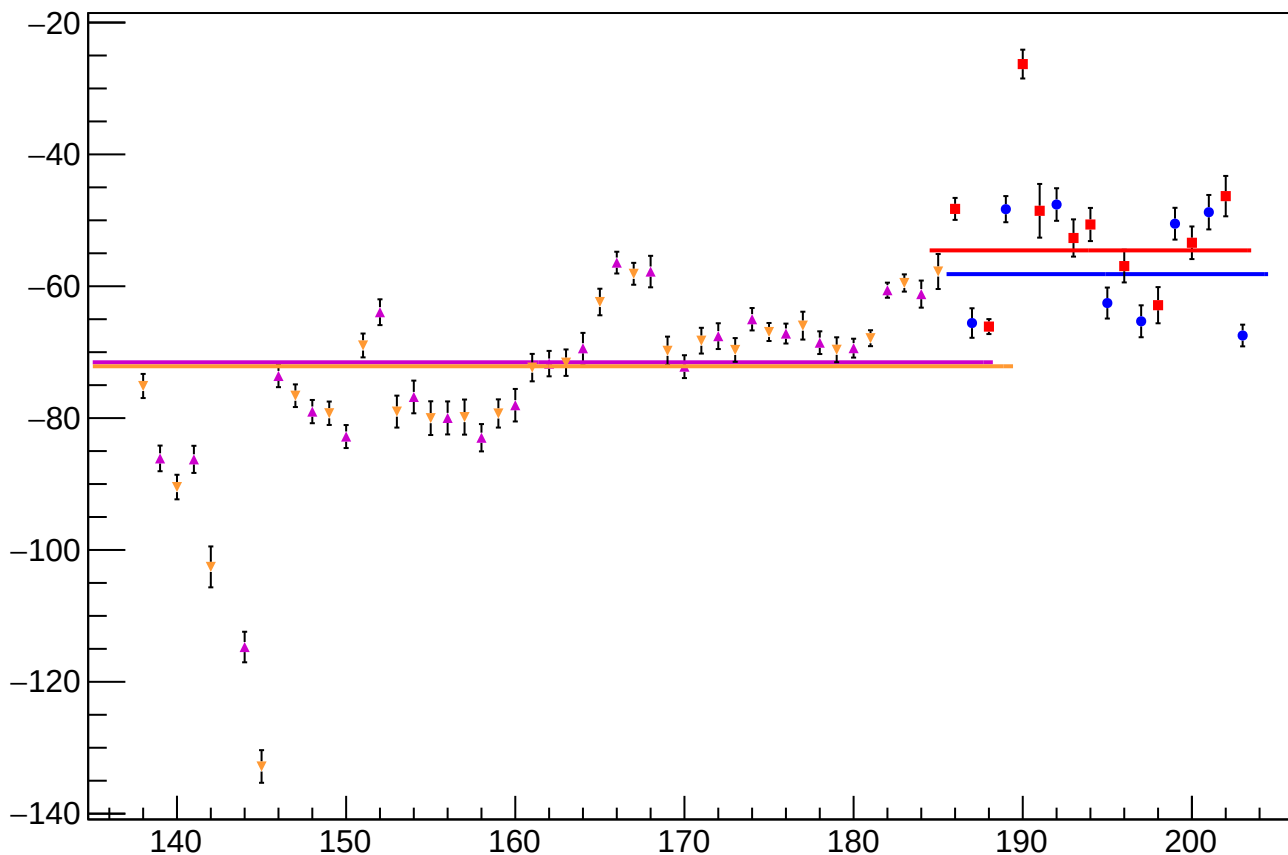
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.126 ± 0.002 χ^2/NDF : 19458.6/49

All: 0.114 ± 0.001 χ^2/NDF : 43205.5/101

- sign 0.102 ± 0.002 χ^2/NDF : 23673.7/51

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -58.162 ± 0.777 χ^2/NDF : 121.1/7

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -54.561 ± 0.666 χ^2/NDF : 307.7/9

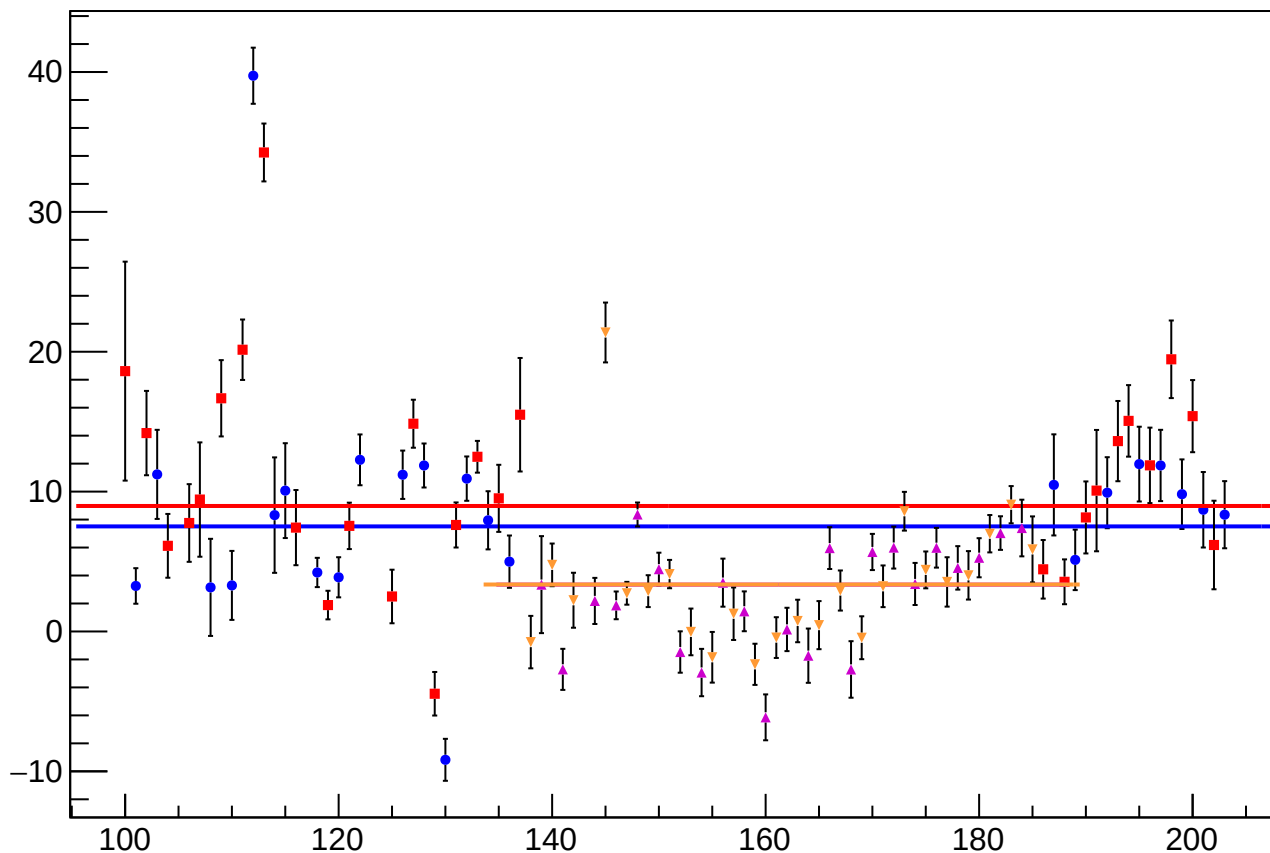
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -69.408 ± 0.343 χ^2/NDF : 1502.7/31

All: -68.334 ± 0.238 χ^2/NDF : 3169.9/64

- sign -67.336 ± 0.331 χ^2/NDF : 1648.3/32

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.512 $\pm$ 0.396 χ^2/NDF : 450.9/23

Left Out: 3.357 $\pm$ 0.295 χ^2/NDF :167.7/23

Right Out: 8.972 $\pm$ 0.390 χ^2/NDF : 396.8/27

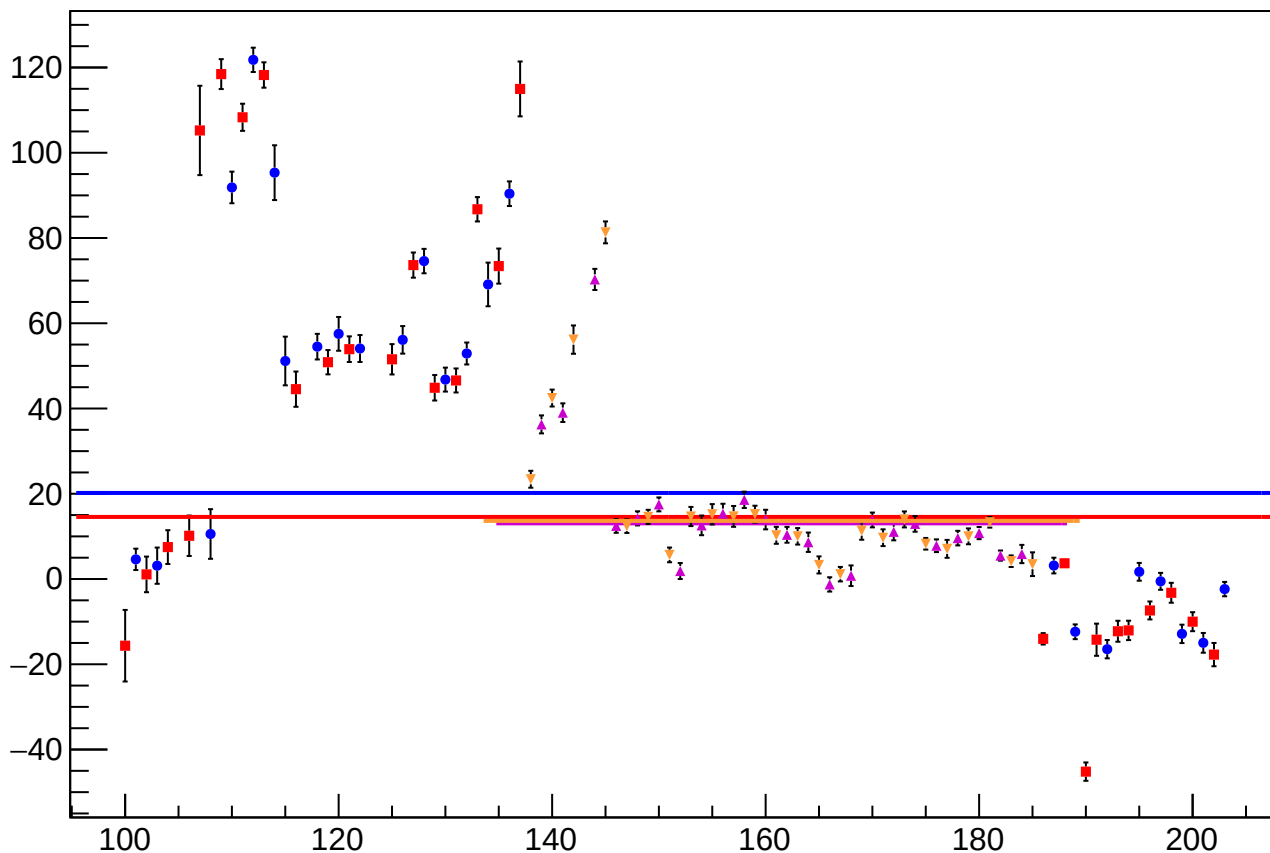
Left In: 3.349 $\pm$ 0.298 χ^2/NDF :163.5/22

+ sign 4.838 $\pm$ 0.236 χ^2/NDF : 689.4/47

All: 5.131 $\pm$ 0.167 χ^2/NDF : 1384.1/98

- sign 5.425 $\pm$ 0.237 χ^2/NDF : 691.6/50

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 20.191 $\pm$ 0.534 χ^2 /NDF: 5176.6/23

Left Out: 13.632 $\pm$ 0.382 χ^2 /NDF:1300.0/23

Right Out: 14.565 $\pm$ 0.469 χ^2 /NDF: 7384.9/27

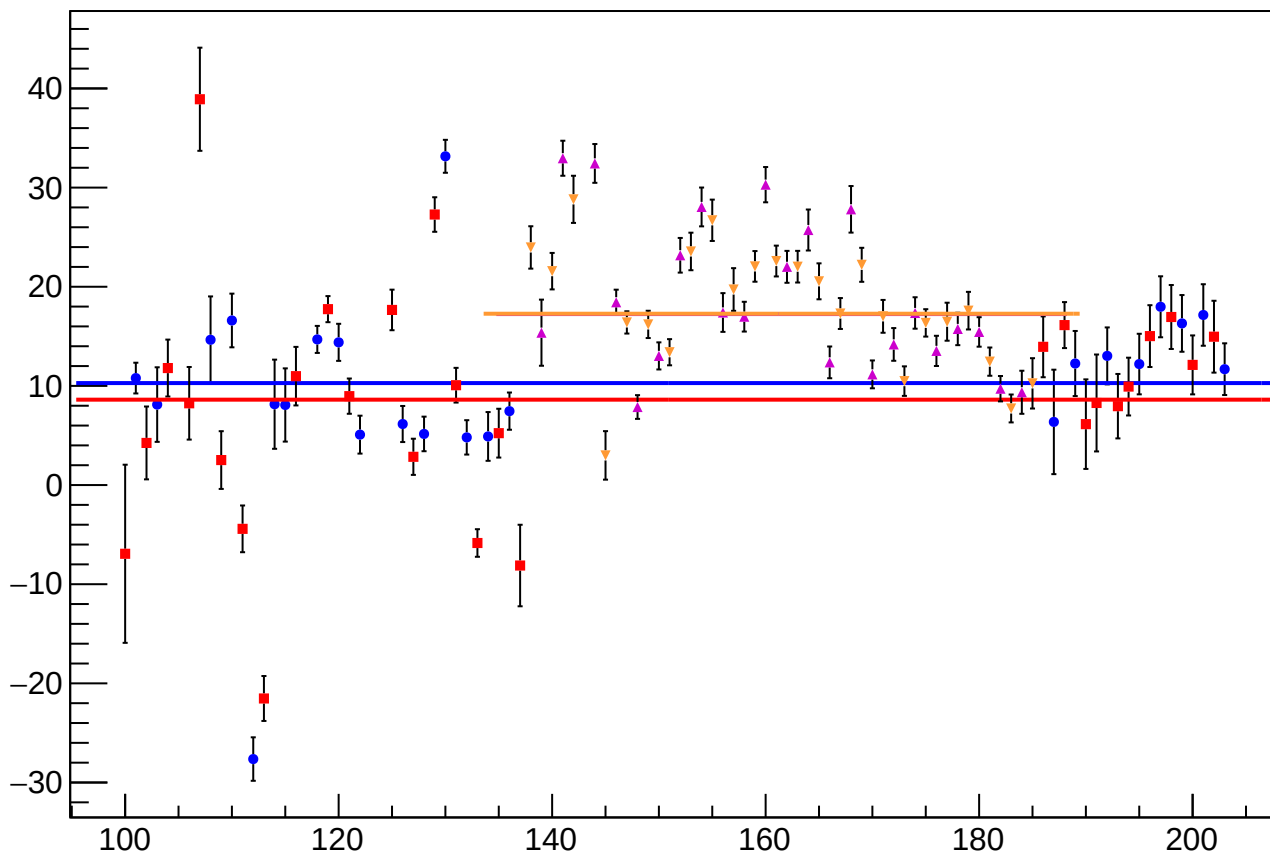
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 15.850 $\pm$ 0.311 χ^2 /NDF: 6576.4/47

All: 14.696 $\pm$ 0.214 χ^2 /NDF: 15018.5/98

- sign 13.654 $\pm$ 0.295 χ^2 /NDF: 8415.8/50

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.285 $\pm$ 0.460 χ^2/NDF : 567.7/23

Left Out: 17.280 $\pm$ 0.337 χ^2/NDF :243.9/23

Right Out: 8.612 $\pm$ 0.459 χ^2/NDF : 601.2/27

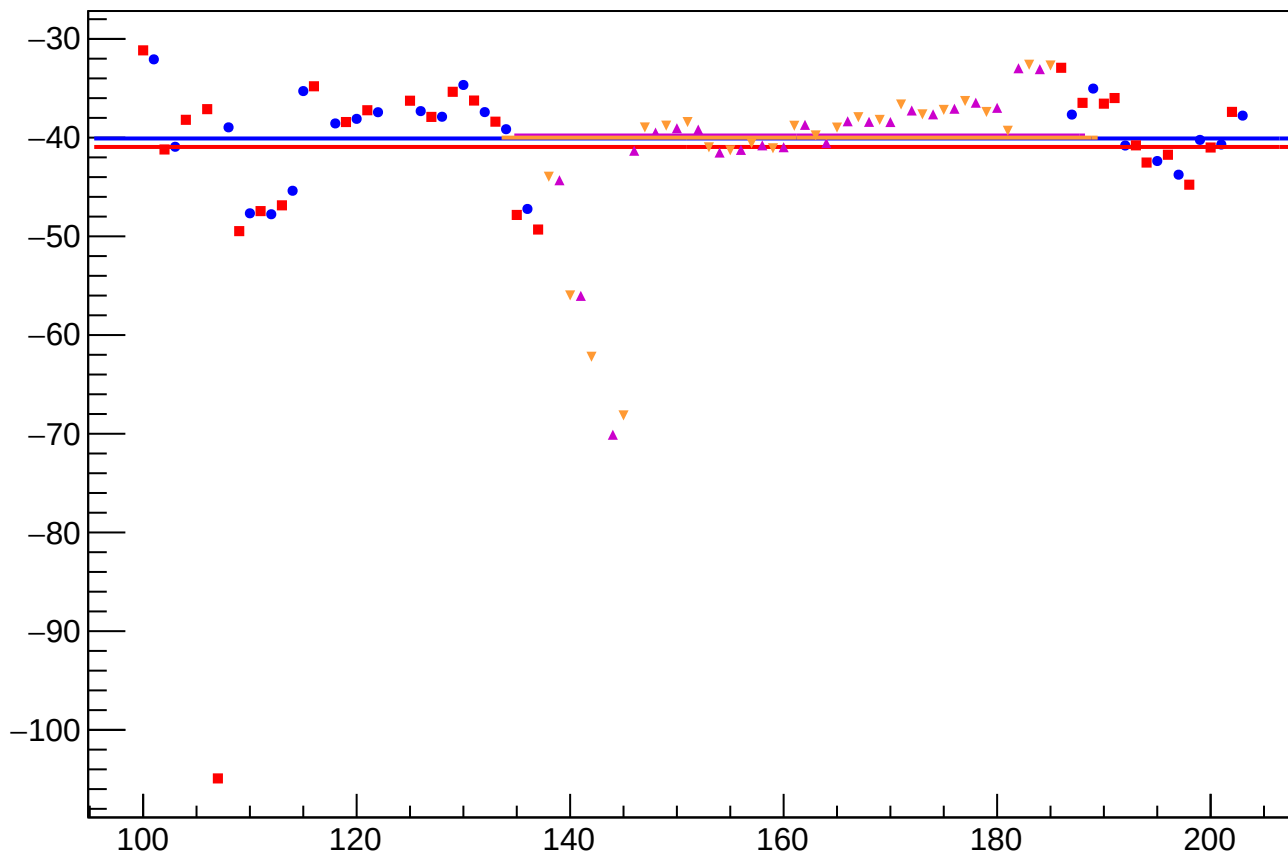
Left In: 17.245 $\pm$ 0.339 χ^2/NDF :440.8/22

+ sign 14.839 $\pm$ 0.272 χ^2/NDF : 961.8/47

All: 14.519 $\pm$ 0.193 χ^2/NDF : 2235.1/98

- sign 14.196 $\pm$ 0.273 χ^2/NDF : 1270.5/50

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.085 ± 0.023 χ^2/NDF : 30374.6/23

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.946 ± 0.023 χ^2/NDF : 103668.9/27

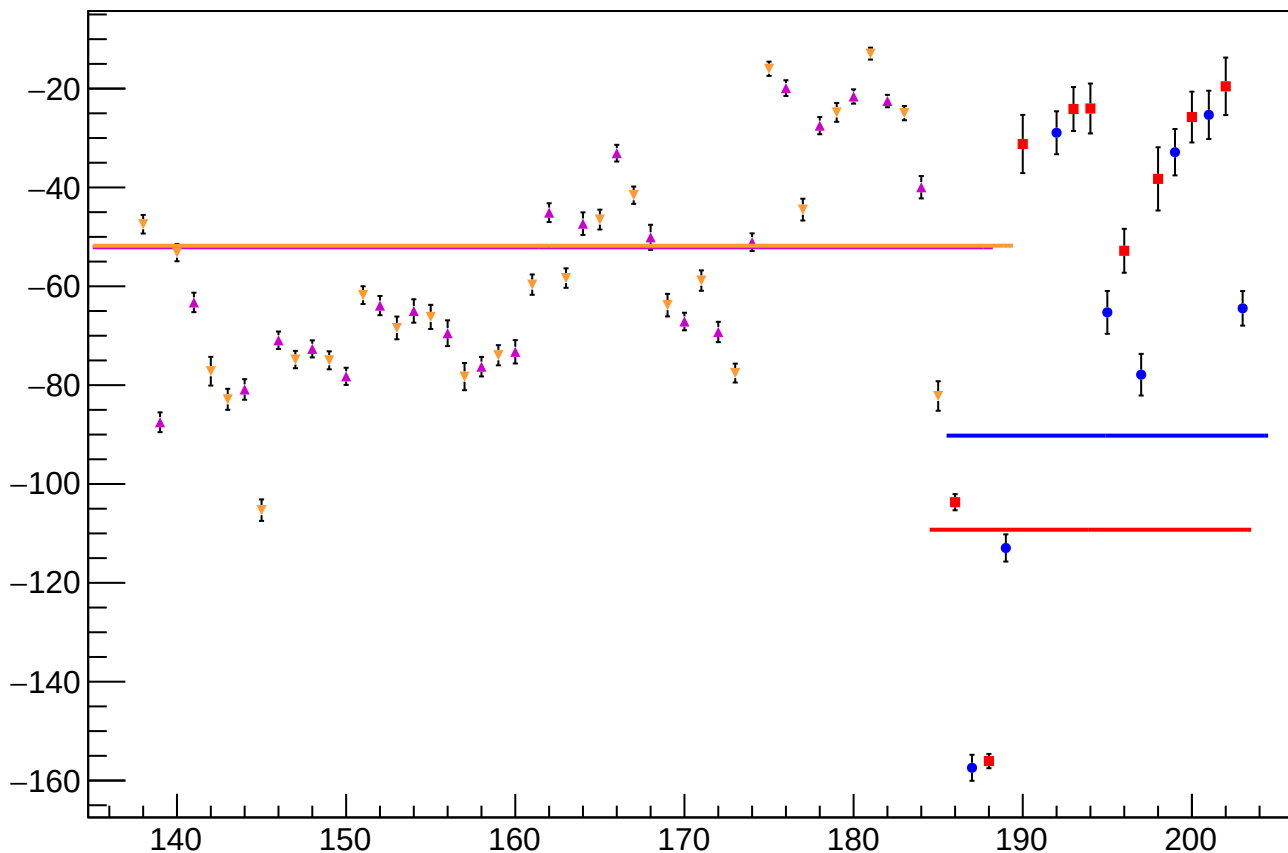
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.026 ± 0.013 χ^2/NDF : 202647.6/47

All: -40.093 ± 0.009 χ^2/NDF : 452630.9/98

- sign -40.158 ± 0.013 χ^2/NDF : 249932.0/50

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -90.219 ± 1.282 χ^2/NDF : 1341.6/7

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -109.253 ± 0.947 χ^2/NDF : 2673.3/8

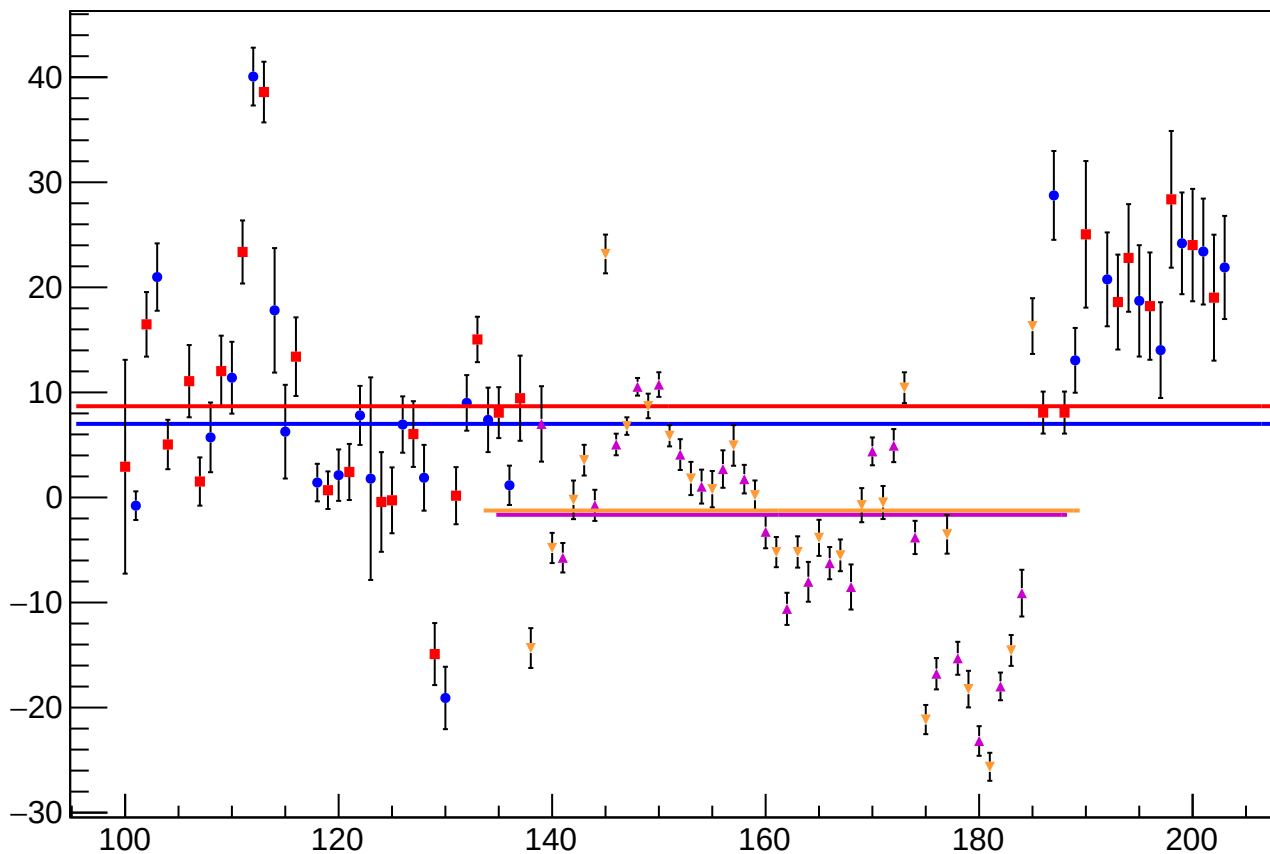
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -54.931 ± 0.367 χ^2/NDF : 6331.8/32

All: -57.690 ± 0.257 χ^2/NDF : 15513.7/64

- sign -60.344 ± 0.360 χ^2/NDF : 9070.8/31

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 7.004+/-0.582 χ^2/NDF : 384.8/24

Left Out: -1.245+/-0.292 χ^2/NDF :1322.6/24

Right Out: 8.683+/-0.569 χ^2/NDF : 315.6/27

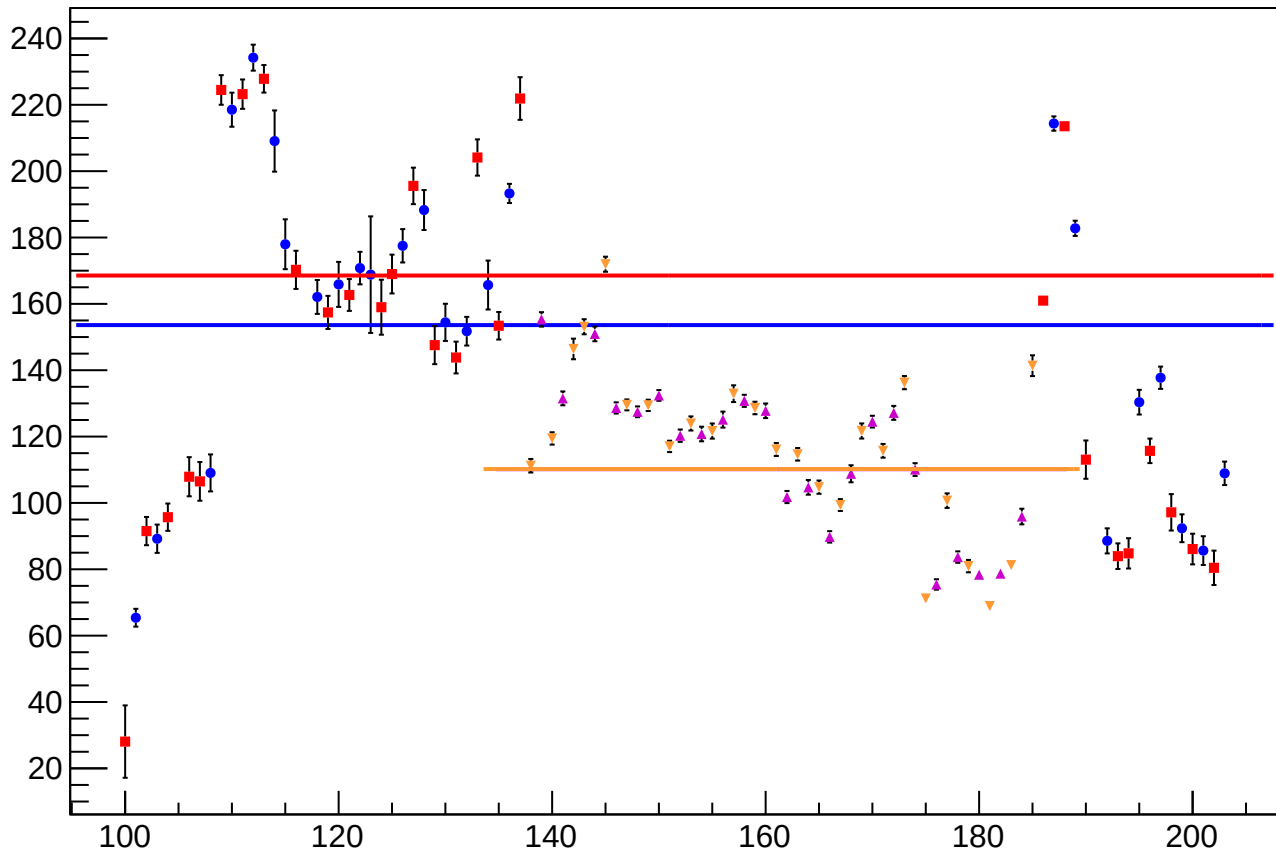
Left In: -1.650+/-0.300 χ^2/NDF :1092.2/22

+ sign 0.410+/-0.261 χ^2/NDF : 1867.9/49

All: 0.503+/-0.186 χ^2/NDF : 3534.0/100

- sign 0.600+/-0.265 χ^2/NDF : 1665.9/50

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.601 $\pm$ 0.796 χ^2 /NDF: 4194.3/24

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 168.541 $\pm$ 0.648 χ^2 /NDF: 5158.2/27

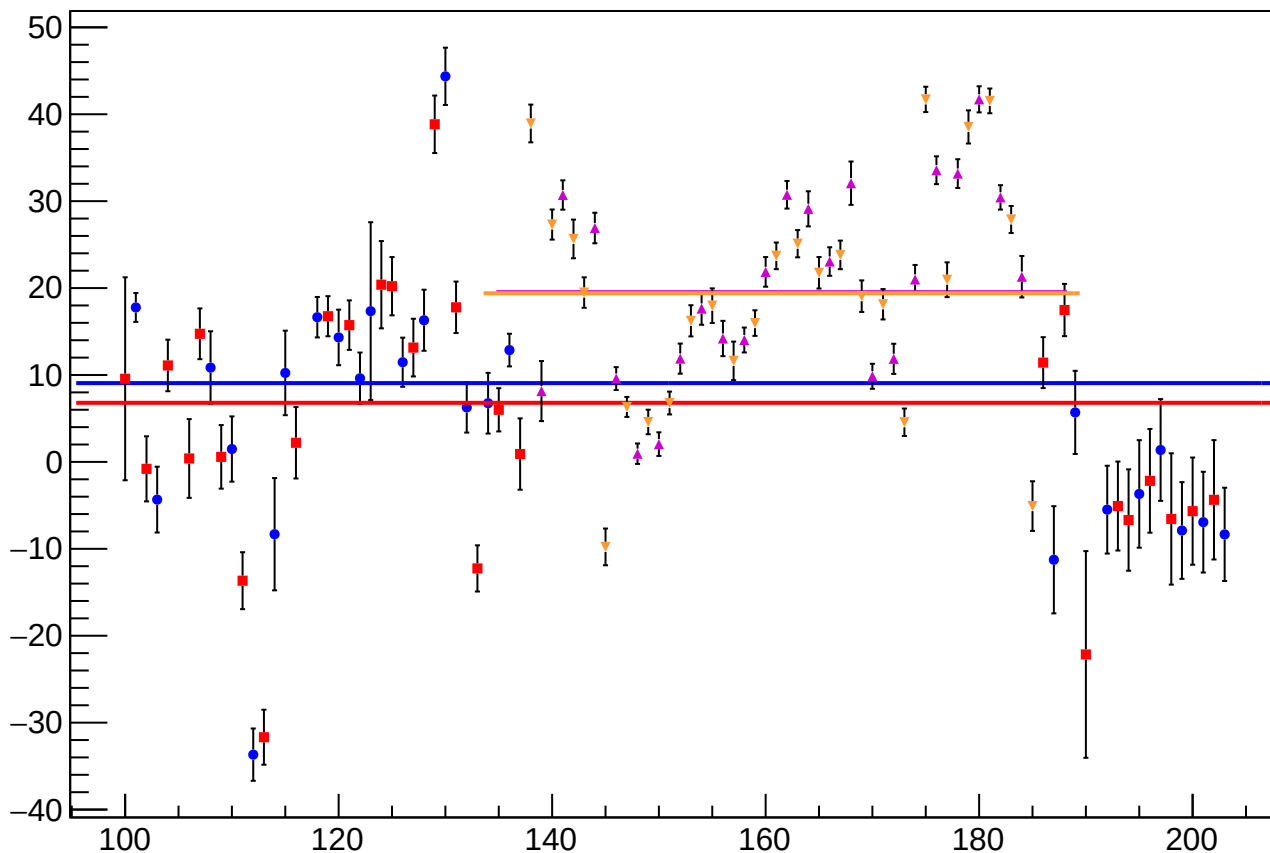
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 118.337 $\pm$ 0.344 χ^2 /NDF: 11203.1/49

All: 122.042 $\pm$ 0.239 χ^2 /NDF: 26282.7/100

- sign 125.475 $\pm$ 0.332 χ^2 /NDF: 14856.7/50

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 9.067 ± 0.676 $\chi^2/\text{NDF}: 445.5/24$

Left Out: 19.405 ± 0.335 $\chi^2/\text{NDF}: 1453.4/24$

Right Out: 6.800 ± 0.677 $\chi^2/\text{NDF}: 467.3/27$

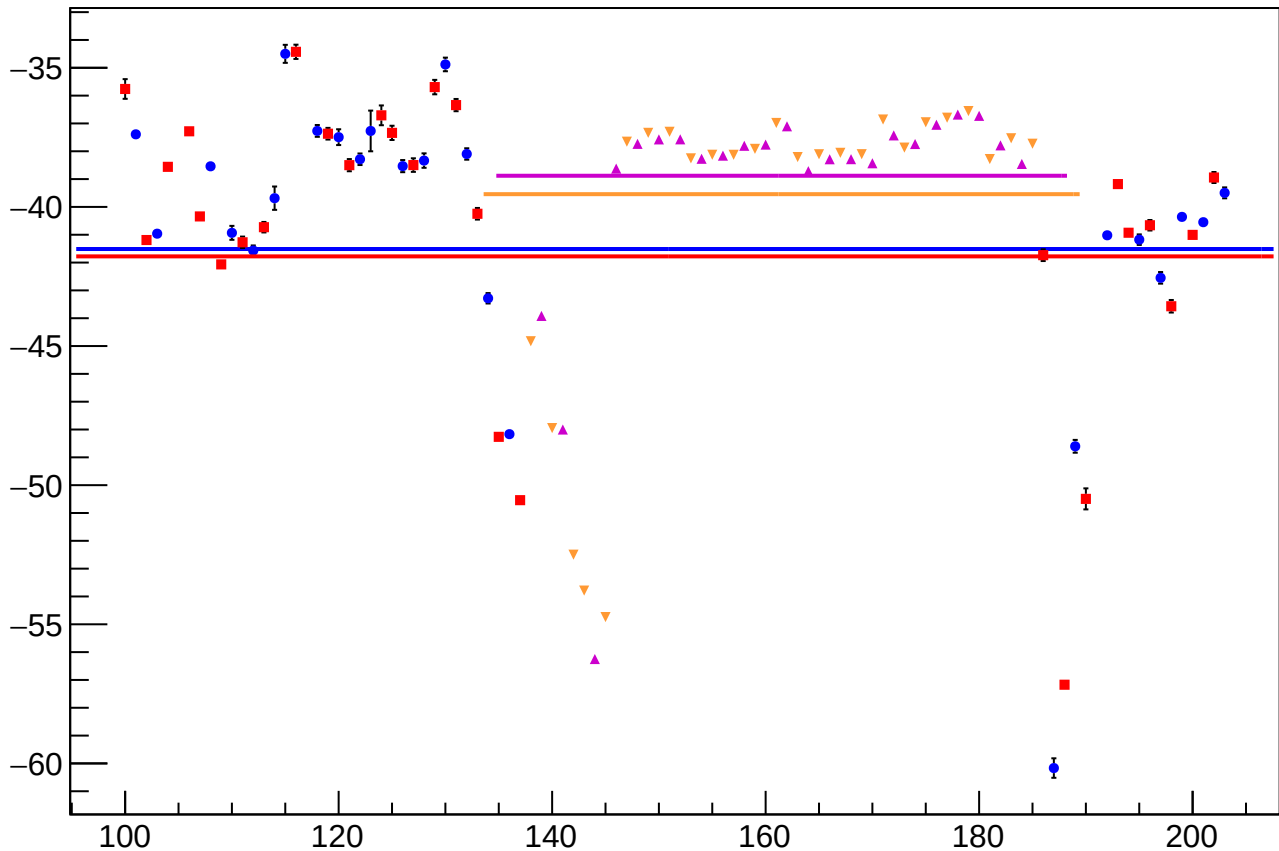
Left In: 19.530 ± 0.342 $\chi^2/\text{NDF}: 1181.3/22$

+ sign 17.371 ± 0.300 $\chi^2/\text{NDF}: 2086.6/49$

All: 17.159 ± 0.214 $\chi^2/\text{NDF}: 4017.5/100$

- sign 16.939 ± 0.306 $\chi^2/\text{NDF}: 1929.9/50$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.513 ± 0.034 $\chi^2/\text{NDF}: 16548.3/24$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.778 ± 0.033 $\chi^2/\text{NDF}: 22852.1/27$

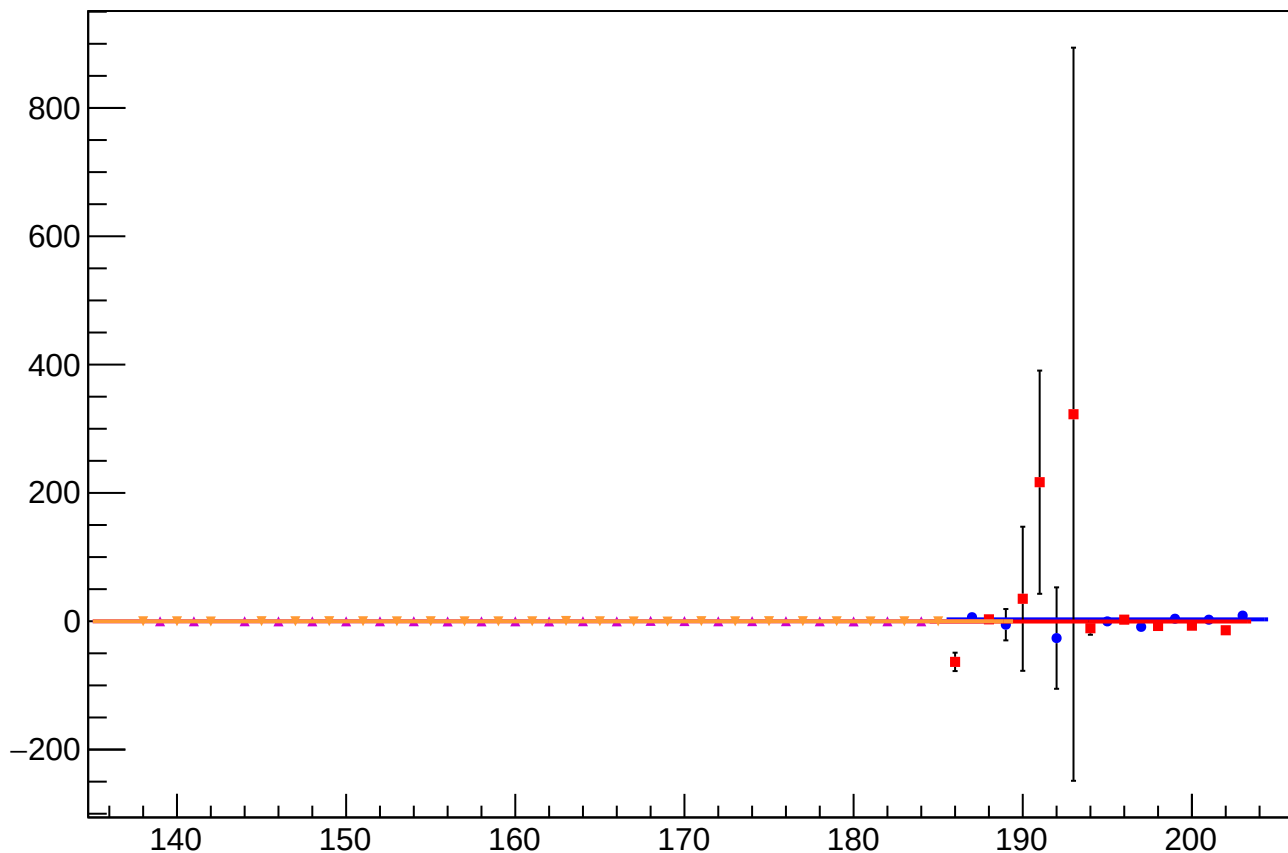
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.897 ± 0.014 $\chi^2/\text{NDF}: 111403.3/49$

All: -39.661 ± 0.010 $\chi^2/\text{NDF}: 194477.8/100$

- sign -39.424 ± 0.014 $\chi^2/\text{NDF}: 82523.6/50$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 2.914 ± 1.813 χ^2/NDF : 9.8/7

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.448 ± 1.612 χ^2/NDF : 31.3/9

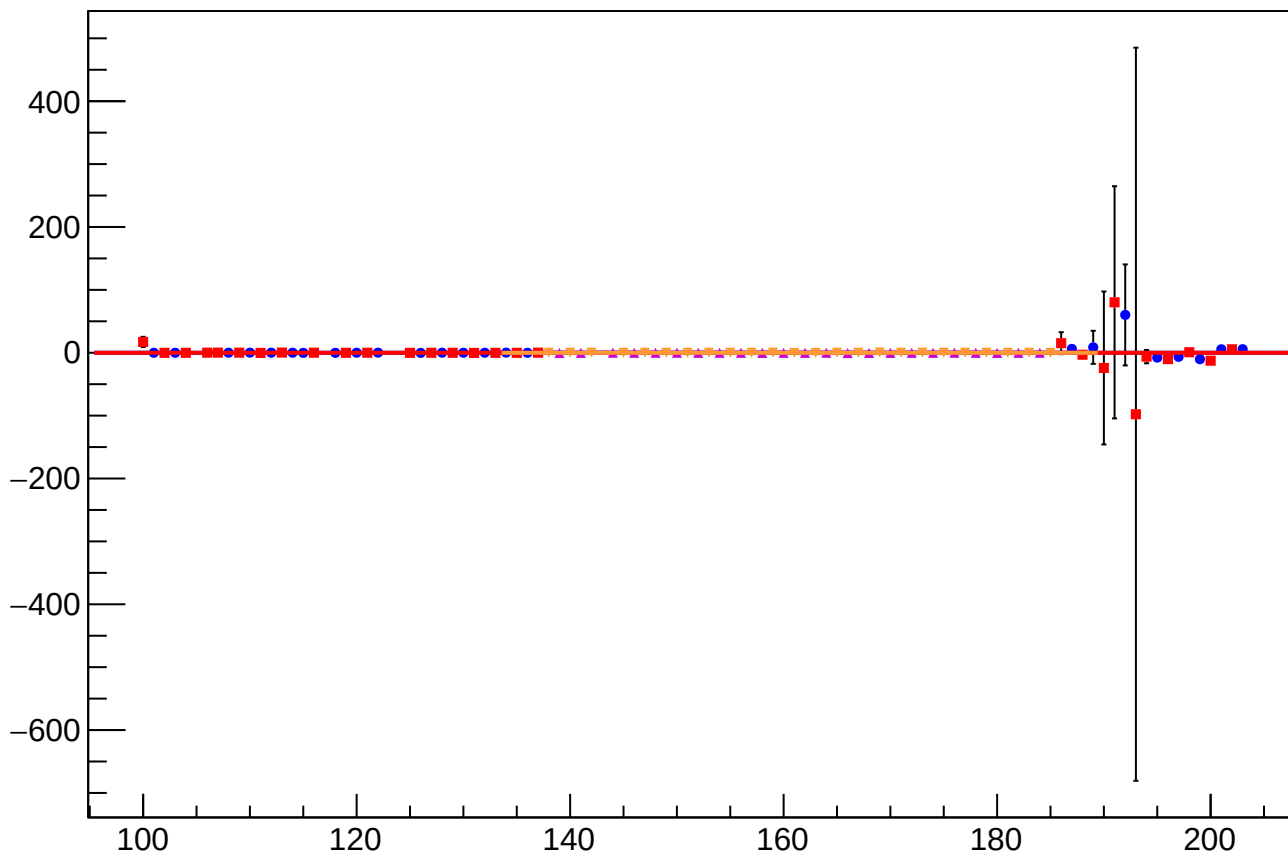
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 52.2/31

All: -0.057 ± 0.016 χ^2/NDF : 120.9/64

- sign -0.026 ± 0.022 χ^2/NDF : 64.7/32

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 22.8/23

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.051 ± 0.029 χ^2/NDF : 35.3/27

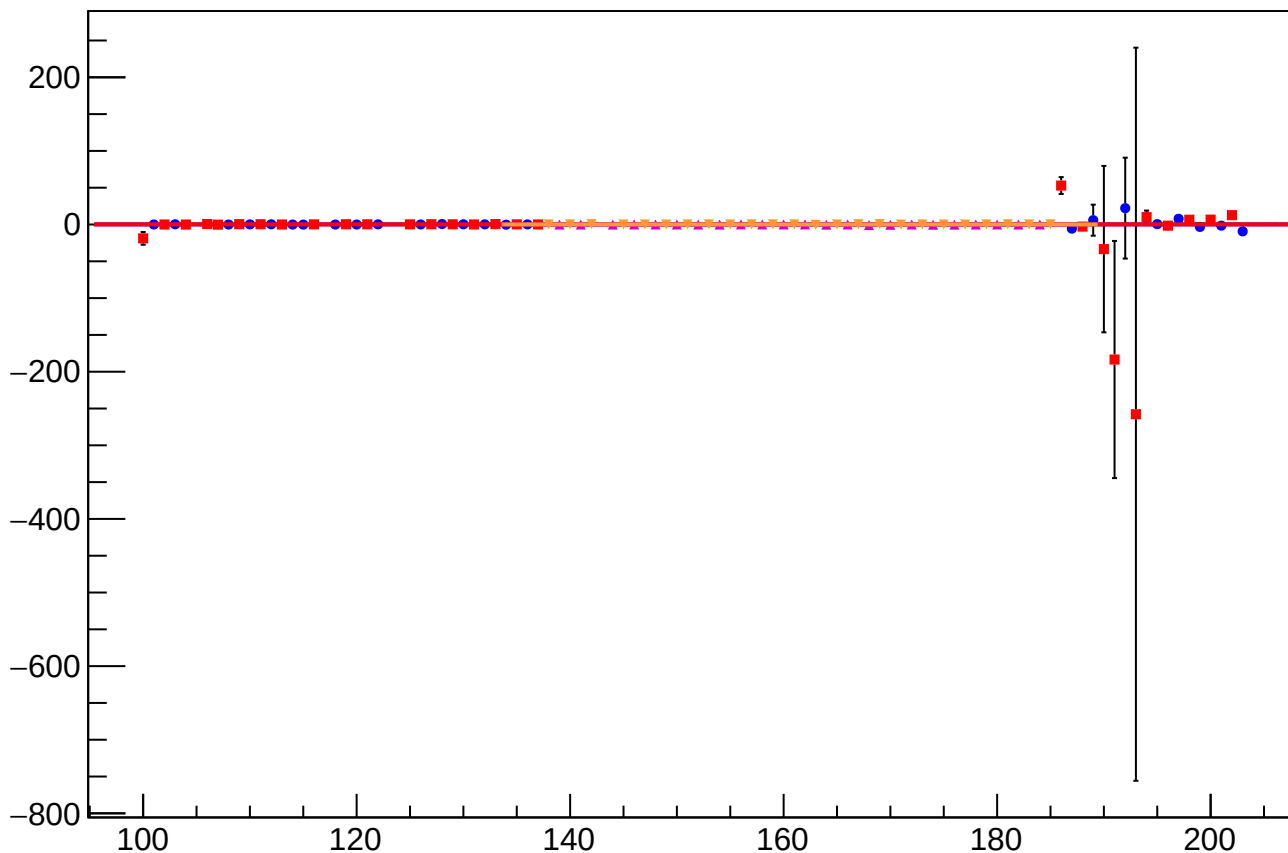
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 54.2/47

All: -0.056 ± 0.011 χ^2/NDF : 121.4/98

- sign -0.052 ± 0.015 χ^2/NDF : 67.0/50

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.171 $\pm$ 0.053 χ^2 /NDF: 26.9/23

Left Out: 0.081 $\pm$ 0.022 χ^2 /NDF:38.4/23

Right Out: 0.235 $\pm$ 0.054 χ^2 /NDF: 55.7/27

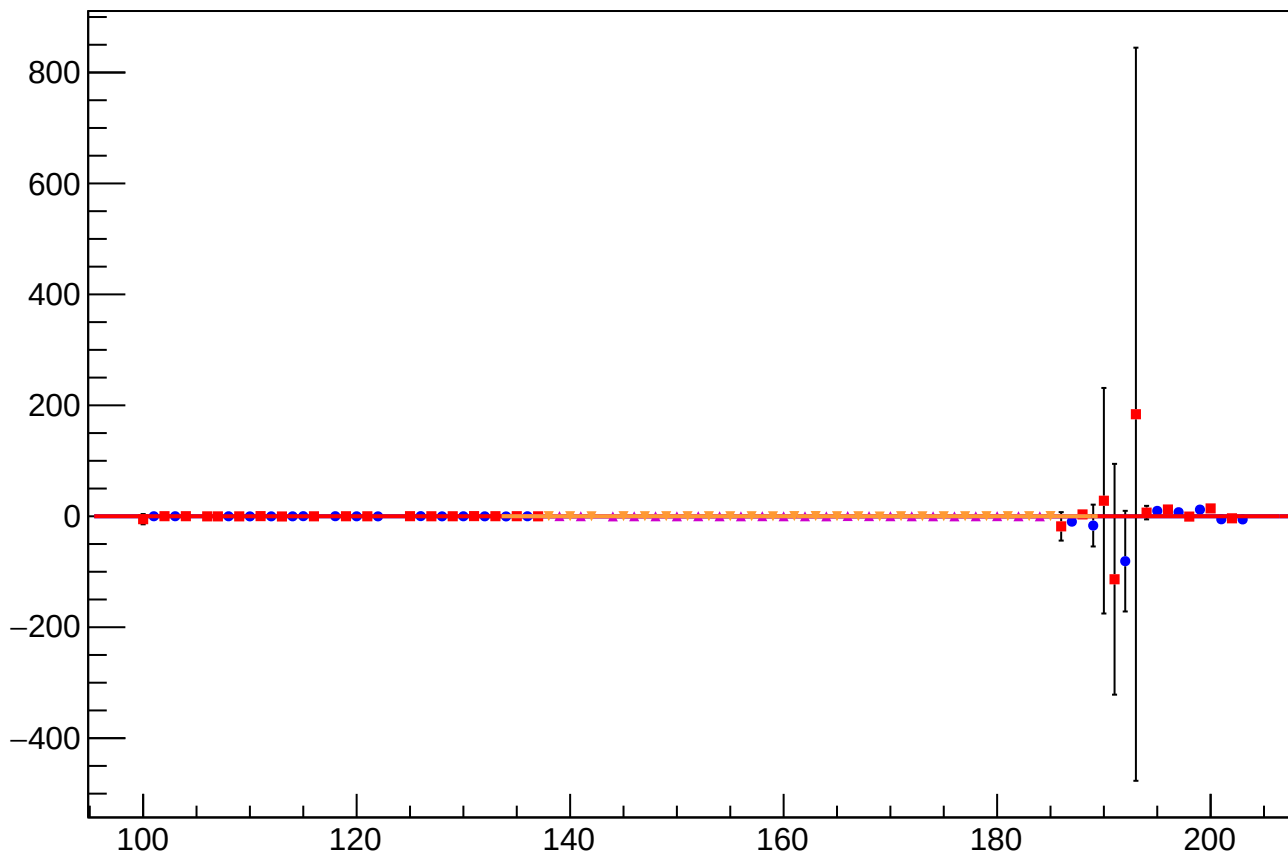
Left In: 0.020 $\pm$ 0.022 χ^2 /NDF:35.6/22

+ sign 0.095 $\pm$ 0.020 χ^2 /NDF: 67.7/47

All: 0.073 $\pm$ 0.014 χ^2 /NDF: 174.9/98

- sign 0.051 $\pm$ 0.021 χ^2 /NDF: 104.9/50

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006 ± 0.033 χ^2/NDF : 24.6/23

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.058 ± 0.034 χ^2/NDF : 29.2/27

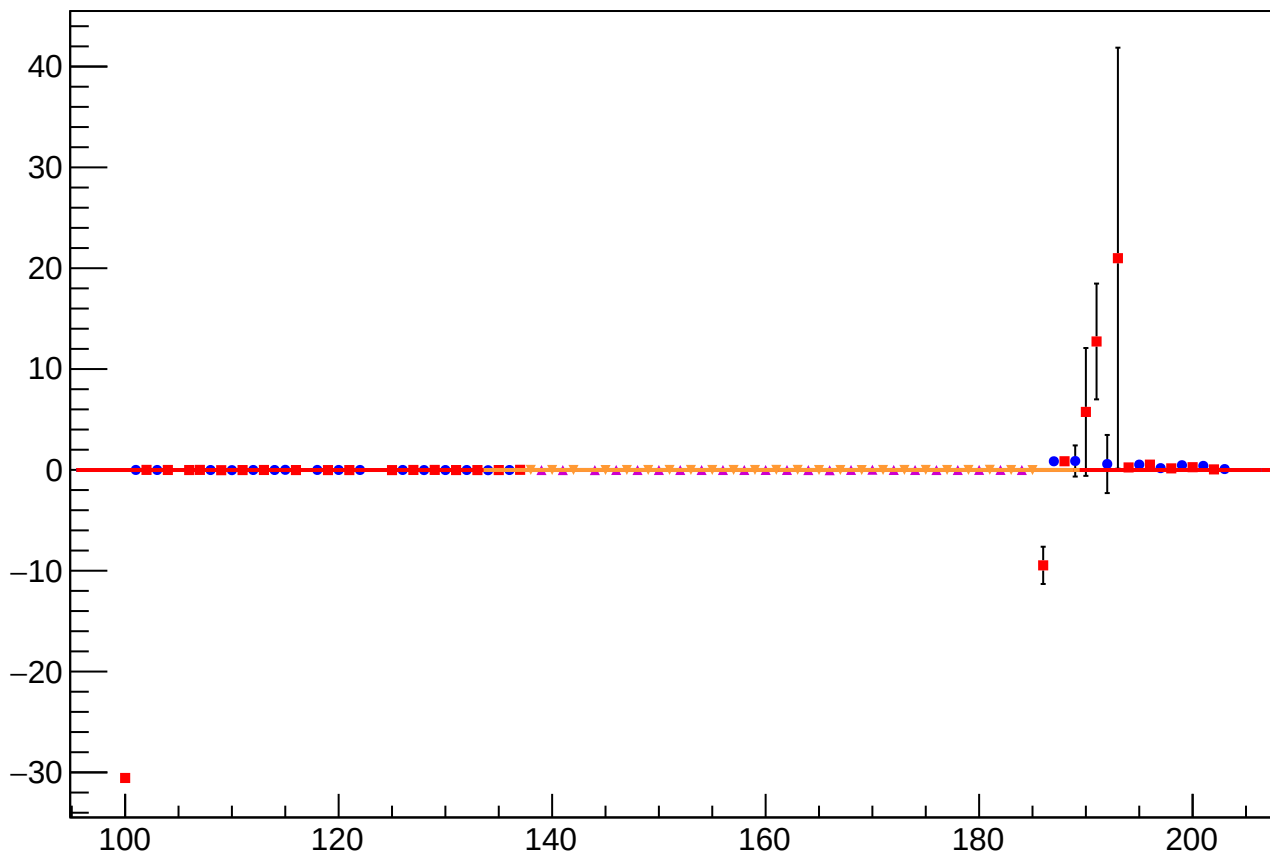
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 62.5/47

All: 0.071 ± 0.012 χ^2/NDF : 123.3/98

- sign 0.066 ± 0.017 χ^2/NDF : 60.6/50

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 35.3/23

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11945.8/27

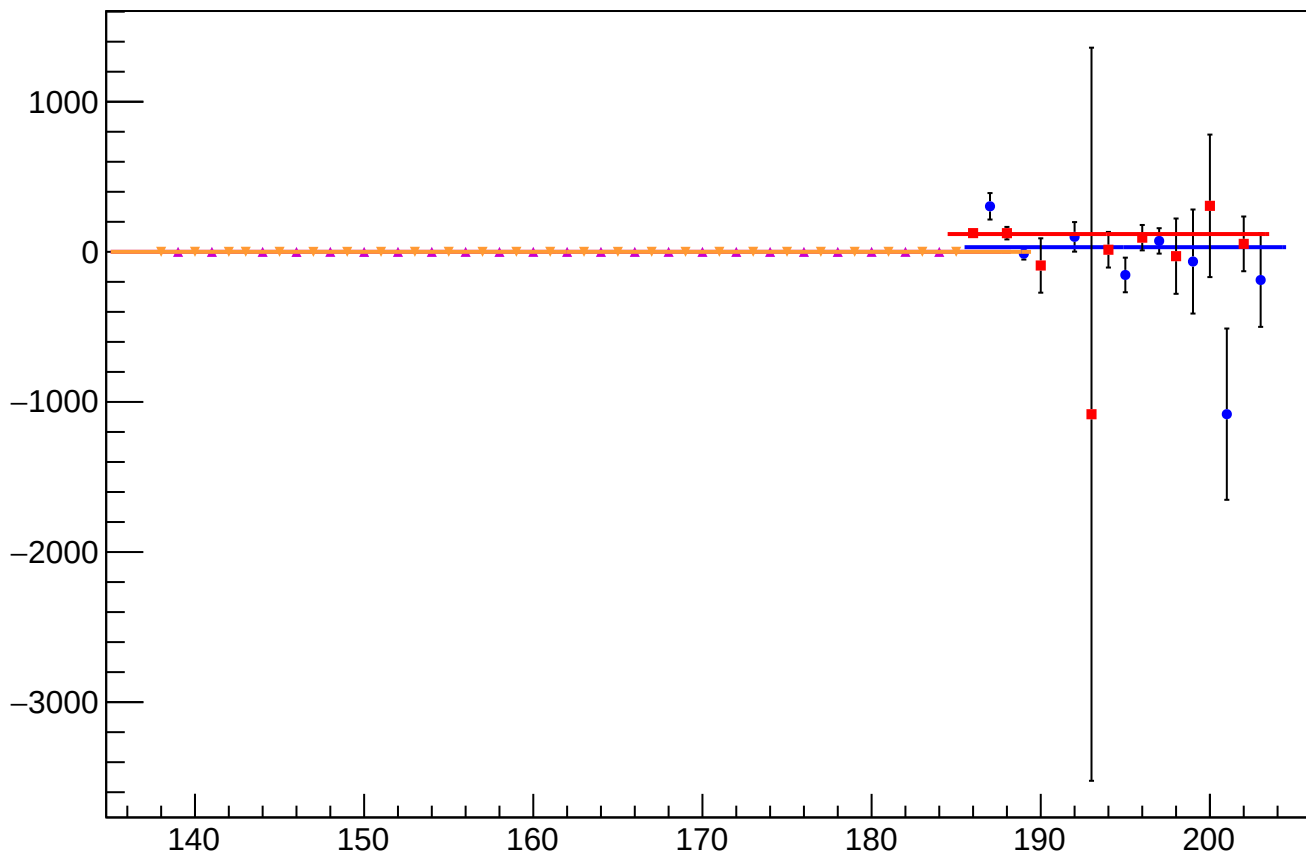
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 68.9/47

All: -0.009 ± 0.001 χ^2/NDF : 12058.4/98

- sign -0.009 ± 0.001 χ^2/NDF : 11989.1/50

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 31.040 $\pm$ 30.015 χ^2 /NDF: 18.4/7

Left Out: 0.017 $\pm$ 0.027 χ^2 /NDF:30.9/24

Right Out: 118.519 $\pm$ 16.458 χ^2 /NDF: 3.2/8

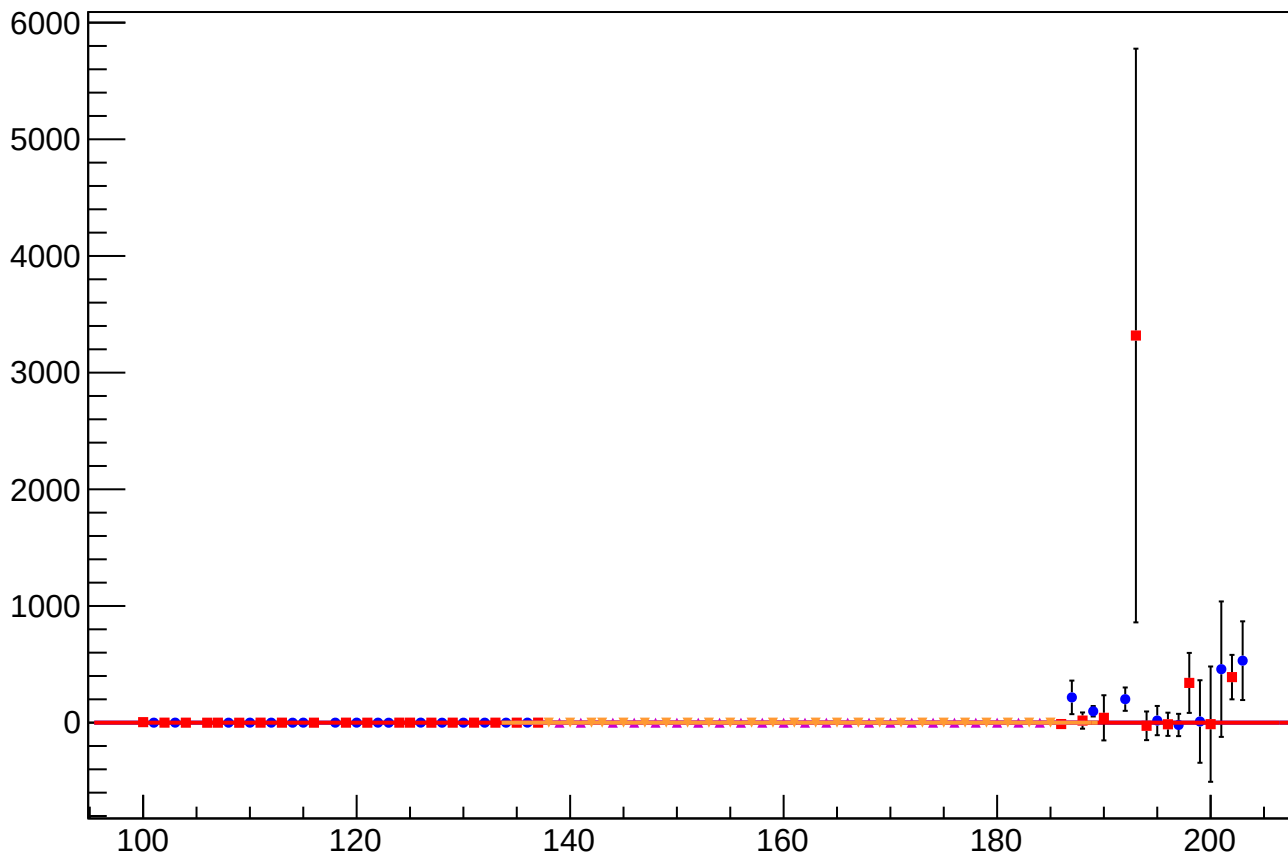
Left In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22

+ sign 0.018 $\pm$ 0.027 χ^2 /NDF: 50.4/32

All: 0.010 $\pm$ 0.019 χ^2 /NDF: 134.6/64

- sign 0.003 $\pm$ 0.028 χ^2 /NDF: 84.1/31

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 37.2/24

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 26.7/27

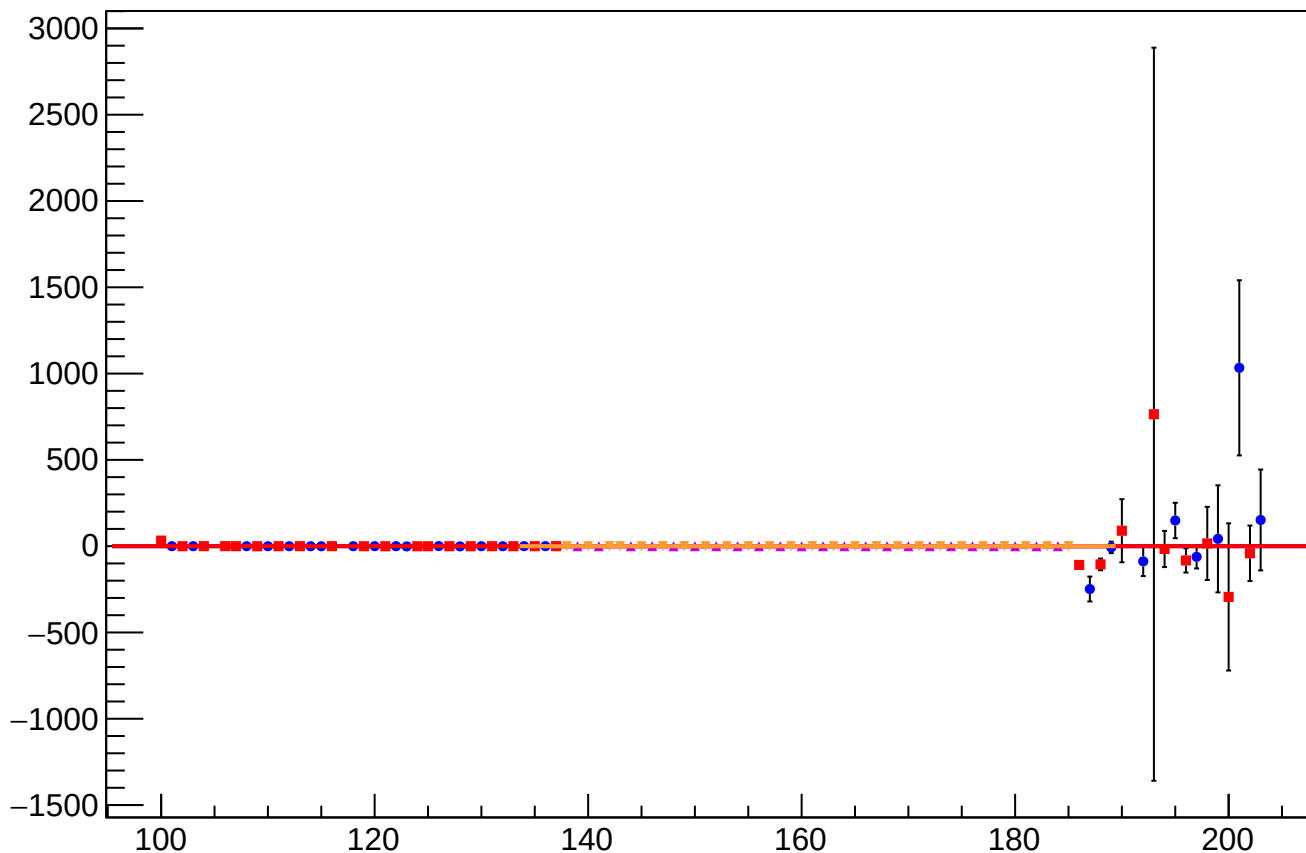
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 62.6/49

All: -0.066 ± 0.013 χ^2/NDF : 141.0/100

- sign -0.083 ± 0.019 χ^2/NDF : 76.8/50

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 45.1/24

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 78.2/27

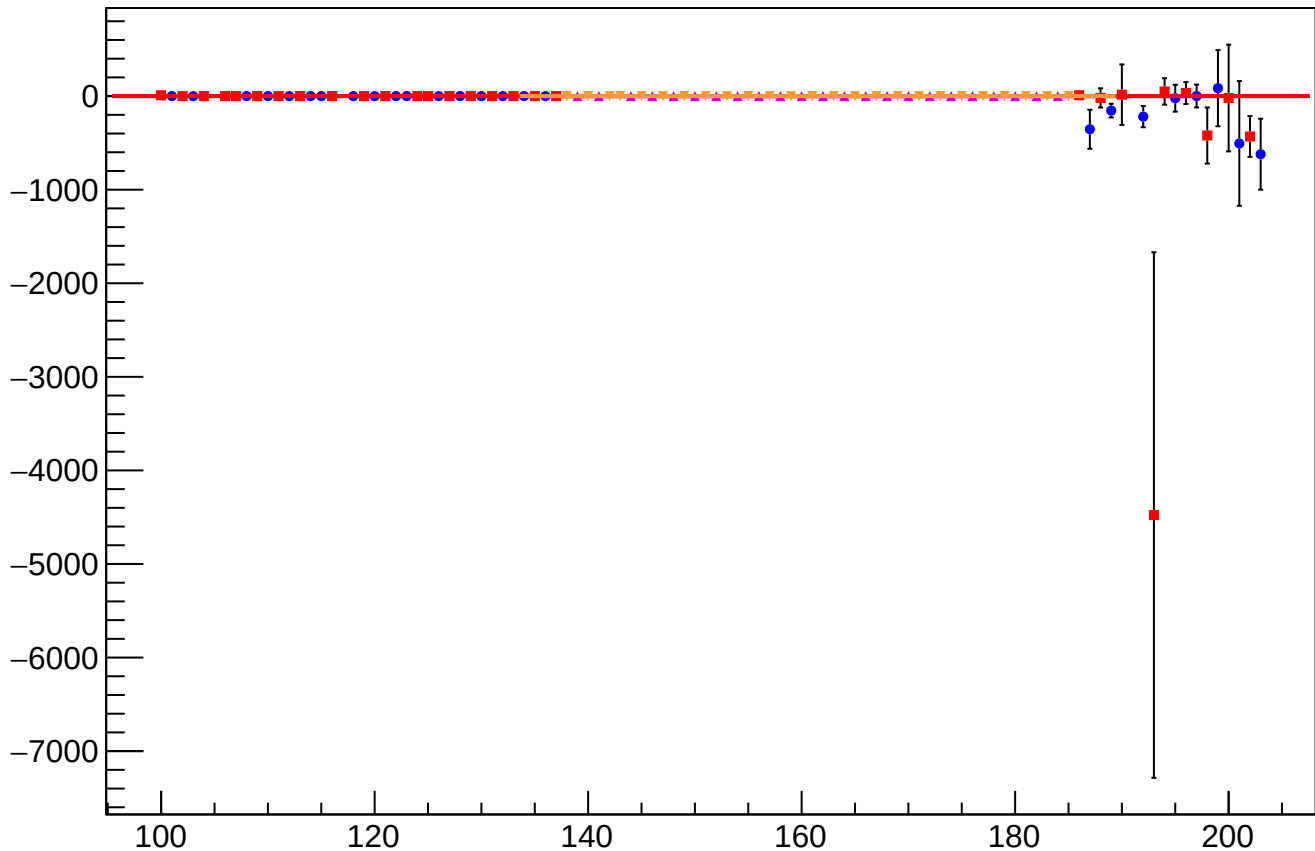
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 76.7/49

All: -0.042 ± 0.018 χ^2/NDF : 186.6/100

- sign -0.050 ± 0.026 χ^2/NDF : 109.8/50

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.043 χ^2/NDF : 36.1/24

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 25.6/27

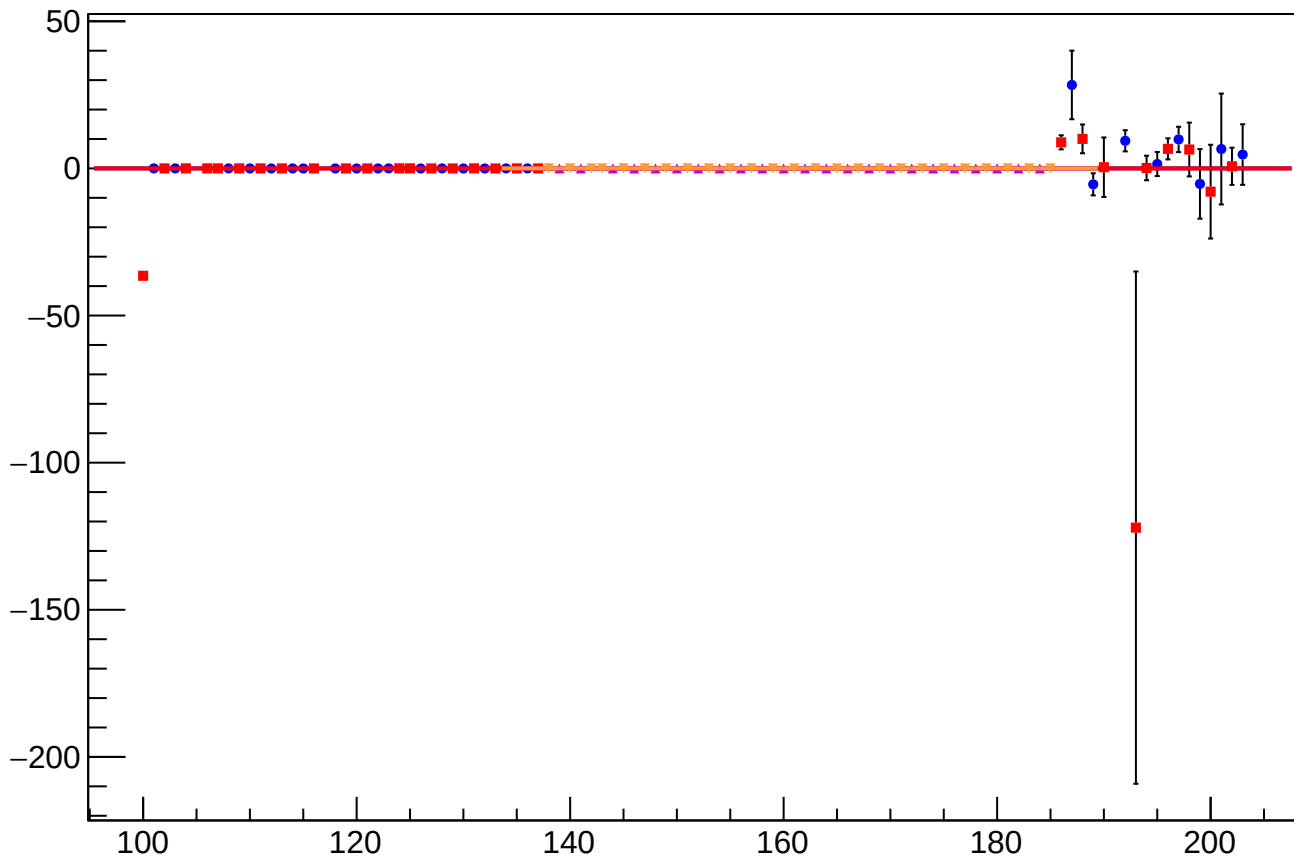
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 61.5/49

All: 0.069 ± 0.015 χ^2/NDF : 142.3/100

- sign 0.086 ± 0.022 χ^2/NDF : 79.5/50

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 51.2/24

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10473.1/27

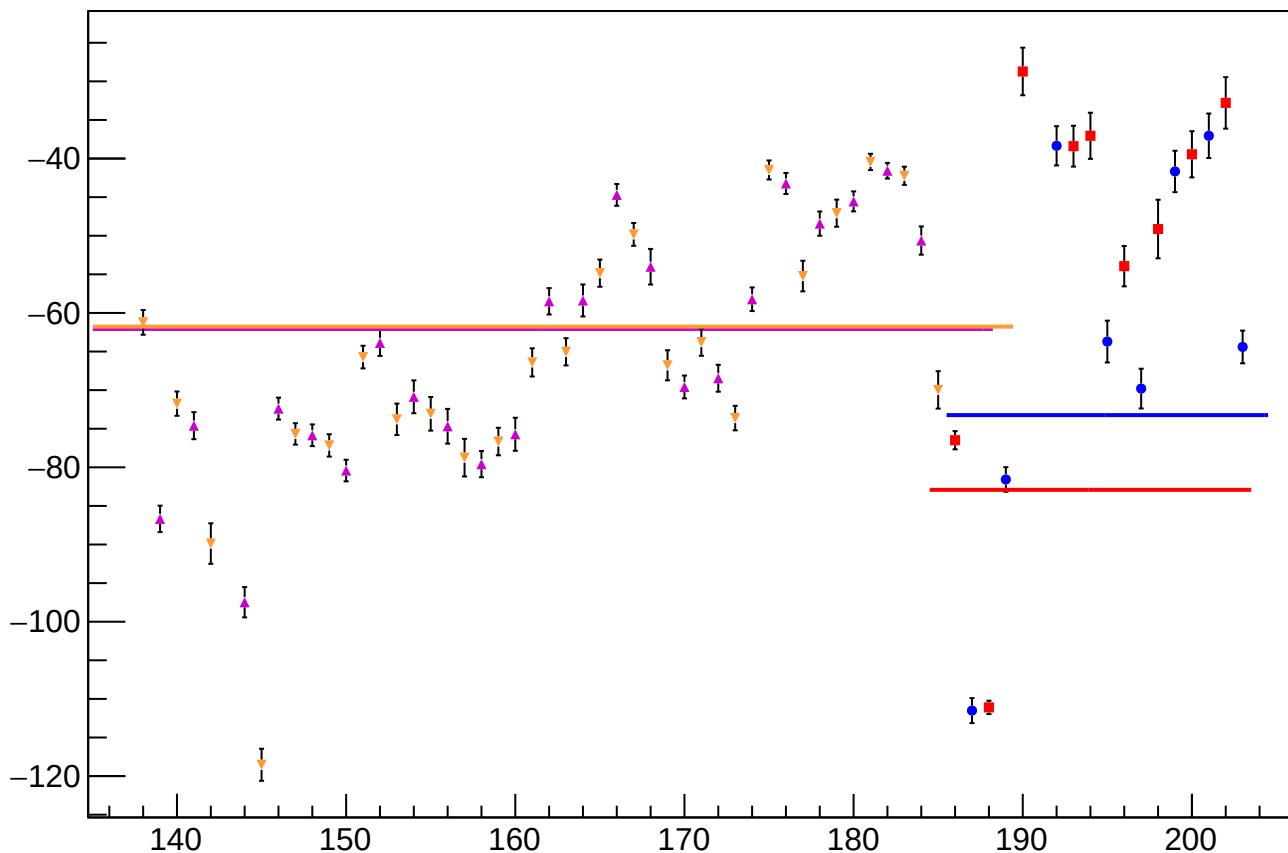
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 85.6/49

All: 0.007 ± 0.001 χ^2/NDF : 10584.1/100

- sign 0.007 ± 0.001 χ^2/NDF : 10498.5/50

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -73.237 ± 0.766 χ^2/NDF : 1103.9/7

Left Out: -61.771 ± 0.334 χ^2/NDF : 2504.9/23

Right Out: -82.916 ± 0.594 χ^2/NDF : 2560.0/8

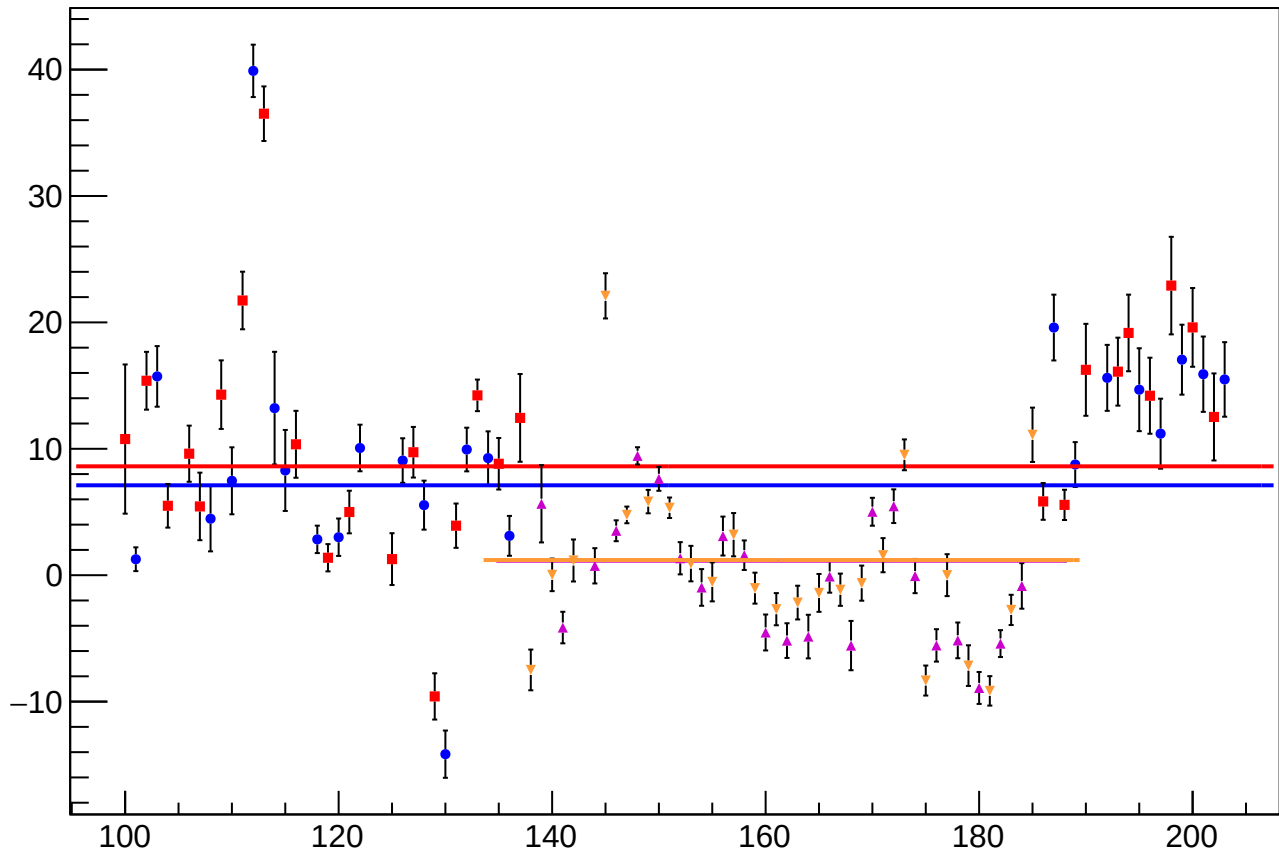
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -63.601 ± 0.306 χ^2/NDF : 3797.0/31

All: -65.416 ± 0.211 χ^2/NDF : 9553.9/63

- sign -67.045 ± 0.290 χ^2/NDF : 5690.2/31

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 7.111 $\pm$ 0.389 χ^2/NDF : 543.8/23

Left Out: 1.198 $\pm$ 0.253 χ^2/NDF : 526.3/23

Right Out: 8.613 $\pm$ 0.385 χ^2/NDF : 474.1/26

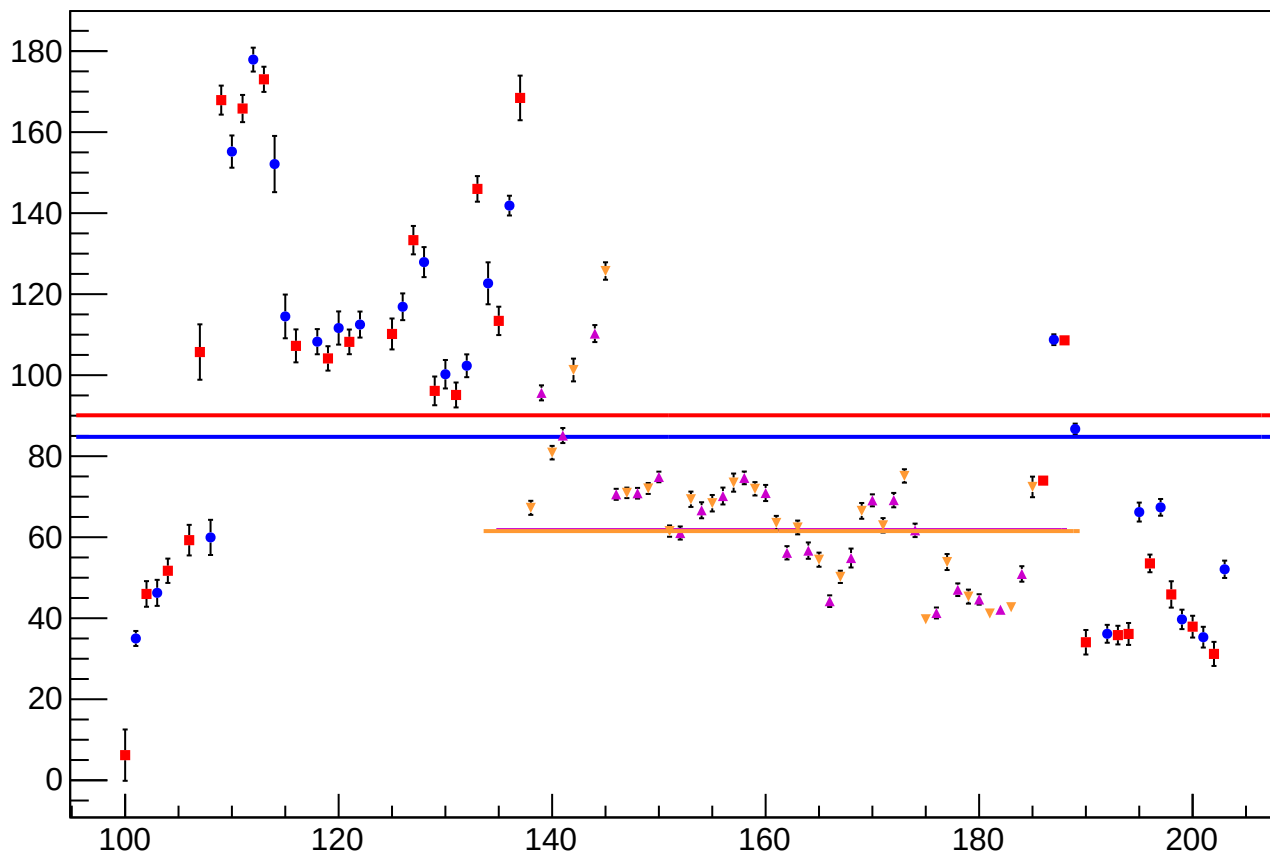
Left In: 1.146 $\pm$ 0.255 χ^2/NDF : 462.9/22

+ sign 2.952 $\pm$ 0.212 χ^2/NDF : 1232.7/47

All: 3.186 $\pm$ 0.150 χ^2/NDF : 2433.0/97

- sign 3.423 $\pm$ 0.213 χ^2/NDF : 1197.8/49

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 84.775+/-0.512 χ^2 /NDF: 5303.0/23

Left Out: 61.512+/-0.332 χ^2 /NDF: 2606.0/23

Right Out: 90.095+/-0.422 χ^2 /NDF: 6650.6/26

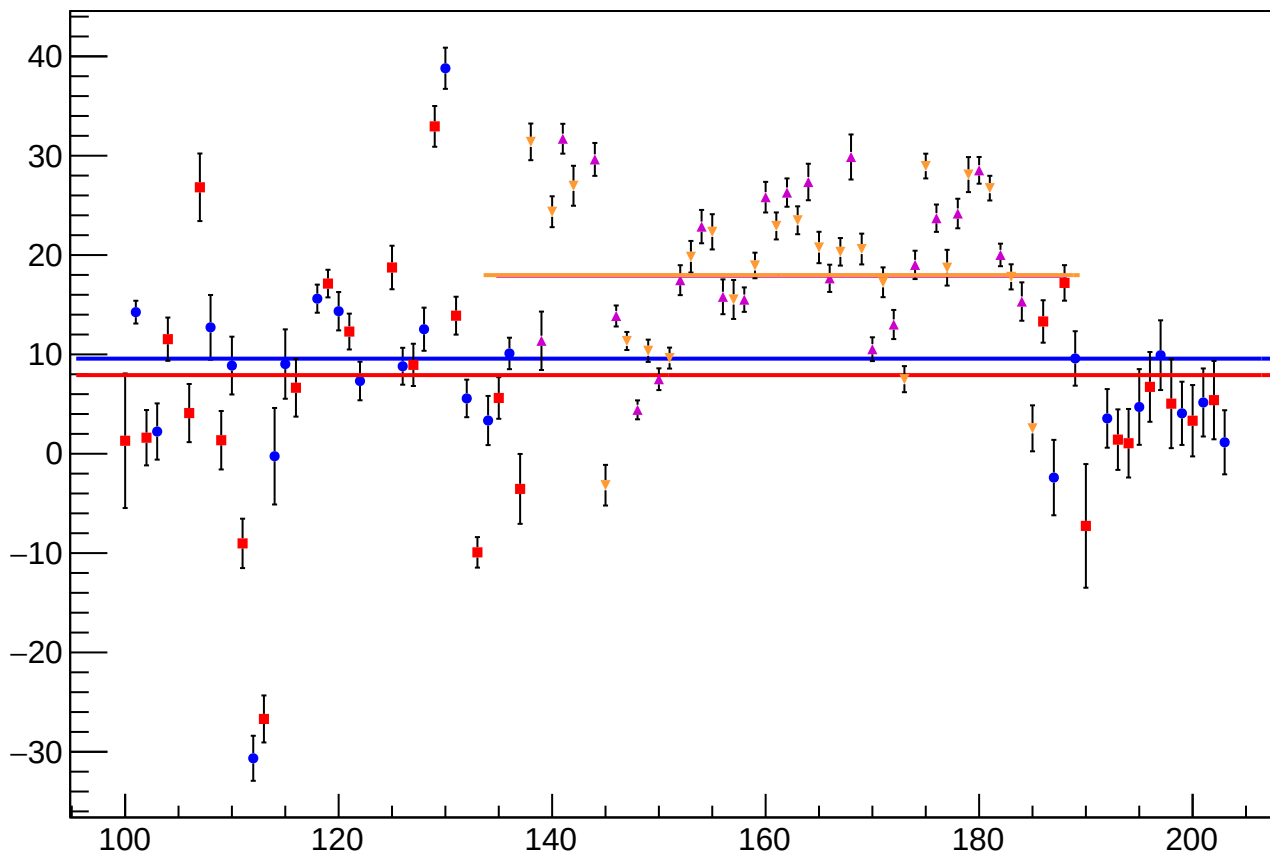
Left In: 61.762+/-0.330 χ^2 /NDF: 2418.2/22

+ sign 68.399+/-0.279 χ^2 /NDF: 9359.8/47

All: 70.602+/-0.190 χ^2 /NDF: 21343.8/97

- sign 72.516+/-0.260 χ^2 /NDF: 11867.4/49

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 9.573 ± 0.458 χ^2/NDF : 608.3/23

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 7.916 ± 0.463 χ^2/NDF : 737.6/26

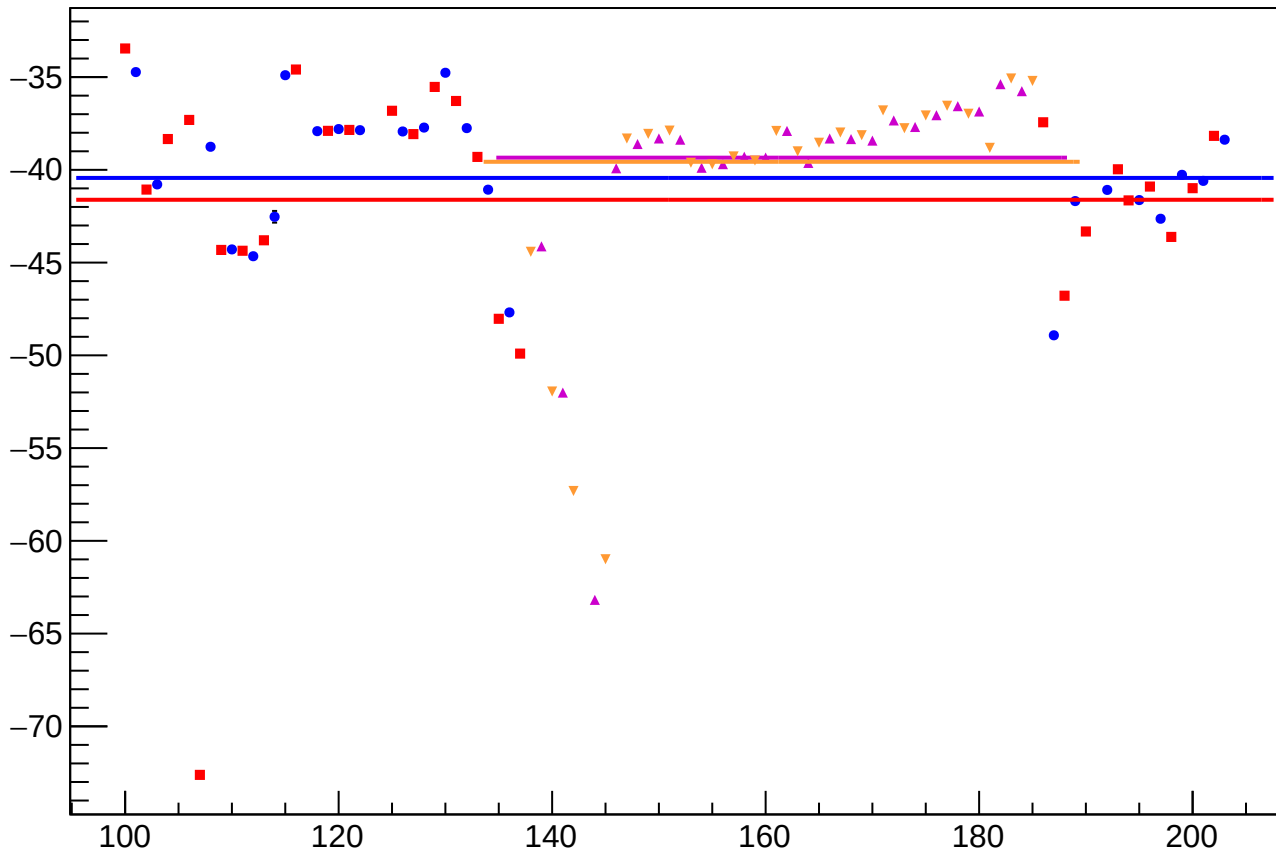
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.560 ± 0.245 χ^2/NDF : 1523.1/47

All: 15.315 ± 0.174 χ^2/NDF : 3322.6/97

- sign 15.067 ± 0.247 χ^2/NDF : 1797.5/49

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.436 ± 0.023 $\chi^2/\text{NDF}: 27656.9/23$

Left Out: -39.566 ± 0.014 $\chi^2/\text{NDF}: 141198.7/23$

Right Out: -41.613 ± 0.023 $\chi^2/\text{NDF}: 67195.2/26$

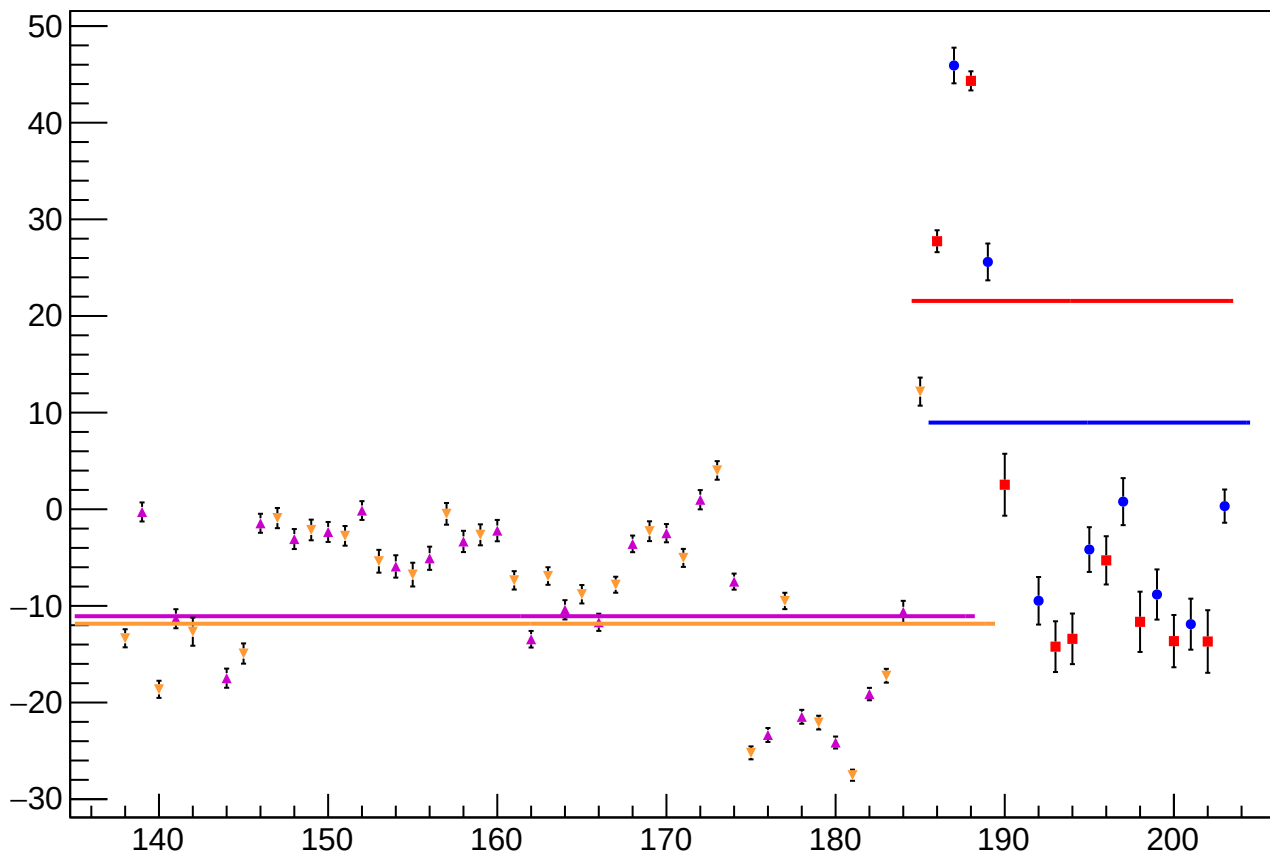
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.794 ± 0.012 $\chi^2/\text{NDF}: 169907.1/47$

All: -39.869 ± 0.008 $\chi^2/\text{NDF}: 361130.7/97$

- sign -39.941 ± 0.012 $\chi^2/\text{NDF}: 191144.9/49$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.969 ± 0.763 $\chi^2/\text{NDF}: 711.5/7$

Left Out: -11.842 ± 0.187 $\chi^2/\text{NDF}: 2739.8/23$

Right Out: 21.559 ± 0.611 $\chi^2/\text{NDF}: 1474.4/8$

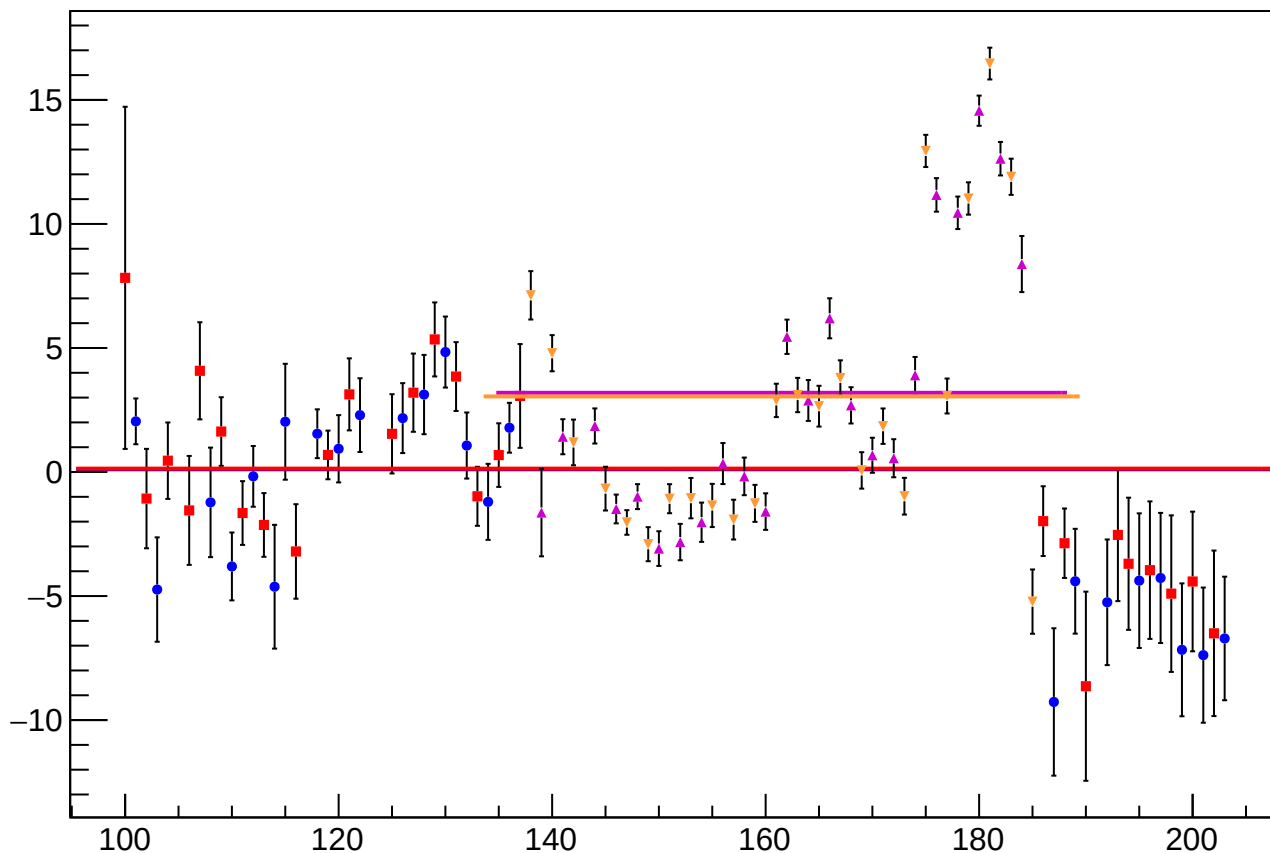
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -10.664 ± 0.181 $\chi^2/\text{NDF}: 4154.0/31$

All: -9.442 ± 0.128 $\chi^2/\text{NDF}: 10429.2/63$

- sign -8.245 ± 0.180 $\chi^2/\text{NDF}: 6185.3/31$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.111 ± 0.320 $\chi^2/\text{NDF}: 94.8/23$

Left Out: 3.047 ± 0.148 $\chi^2/\text{NDF}: 1457.2/23$

Right Out: 0.136 ± 0.319 $\chi^2/\text{NDF}: 73.6/26$

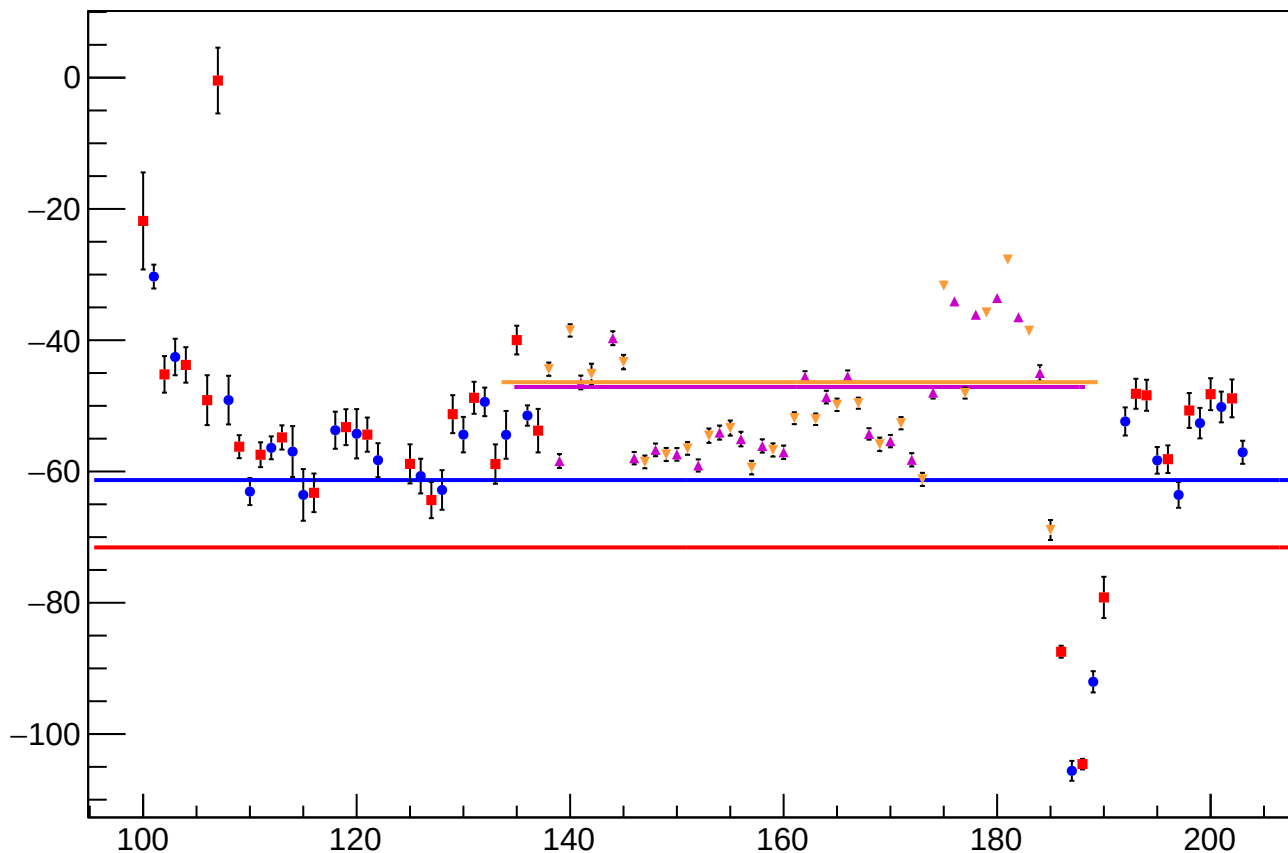
Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

+ sign 2.531 ± 0.134 $\chi^2/\text{NDF}: 1621.3/47$

All: 2.586 ± 0.095 $\chi^2/\text{NDF}: 3065.4/97$

- sign 2.642 ± 0.136 $\chi^2/\text{NDF}: 1443.7/49$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -61.310 ± 0.453 χ^2/NDF : 1728.6/23

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -71.566 ± 0.391 χ^2/NDF : 3683.4/26

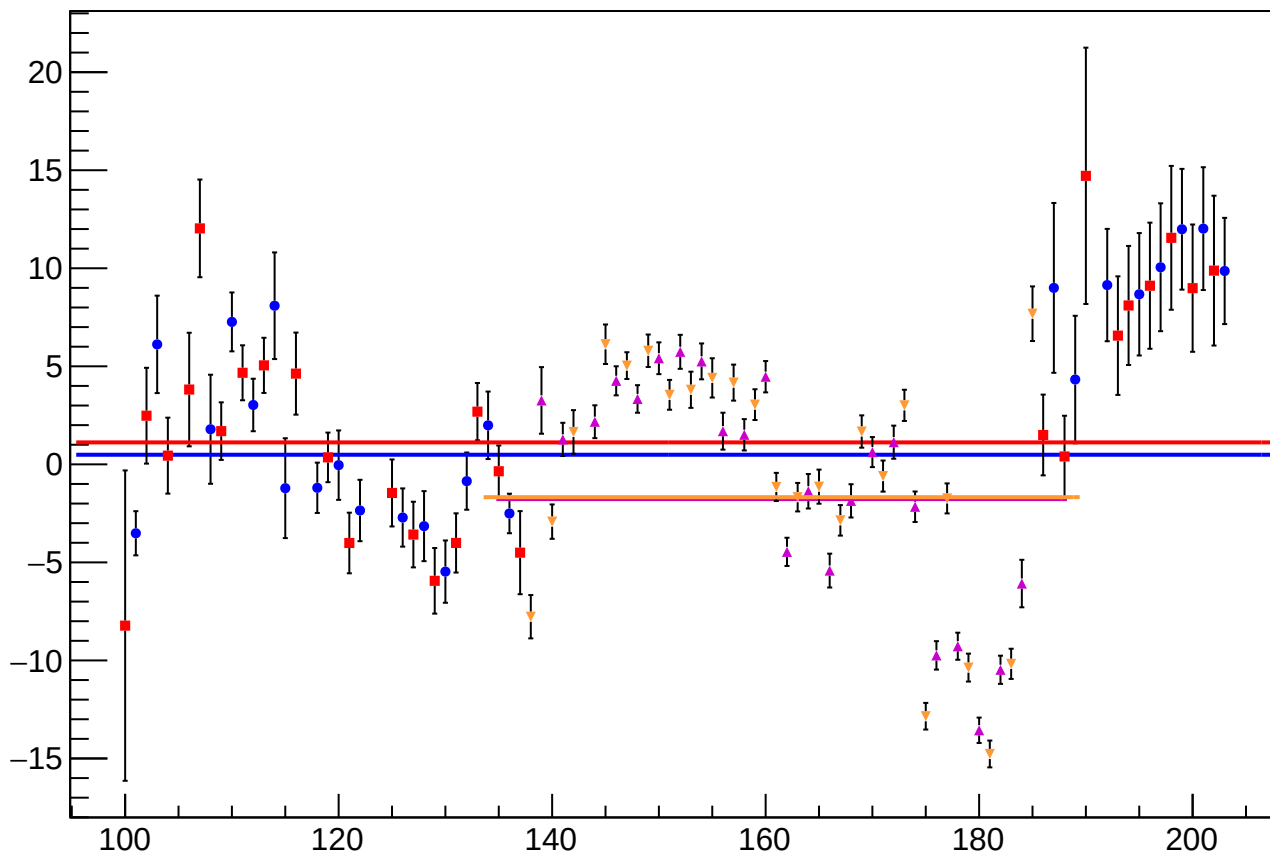
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -48.554 ± 0.173 χ^2/NDF : 5941.7/47

All: -50.150 ± 0.121 χ^2/NDF : 15483.3/97

- sign -51.679 ± 0.169 χ^2/NDF : 9374.0/49

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 0.490 ± 0.366 χ^2/NDF : 158.0/23

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 1.120 ± 0.370 χ^2/NDF : 137.8/26

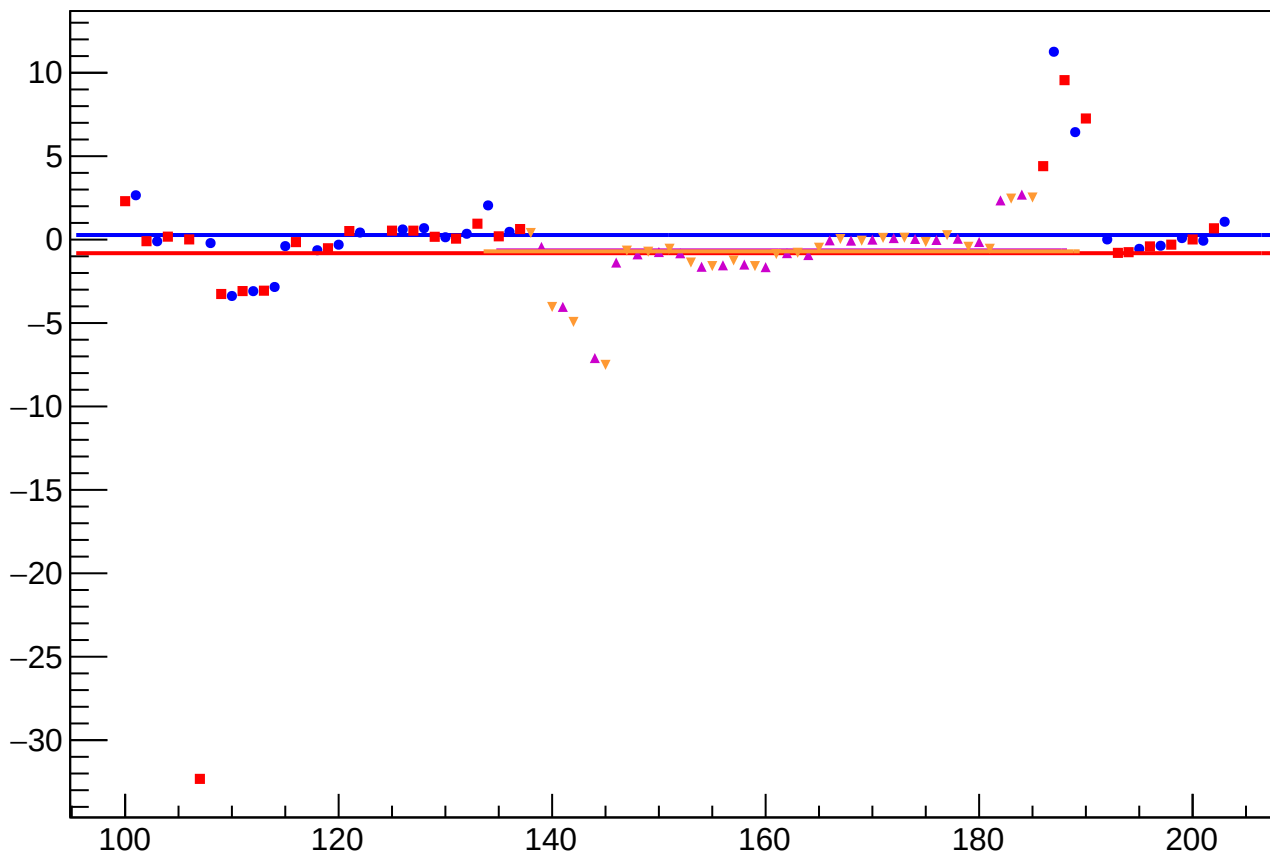
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.302 ± 0.152 χ^2/NDF : 1670.7/47

All: -1.288 ± 0.108 χ^2/NDF : 3110.2/97

- sign -1.273 ± 0.154 χ^2/NDF : 1439.5/49

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.275 ± 0.019 χ^2/NDF : 9304.8/23

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.814 ± 0.019 χ^2/NDF : 92578.1/26

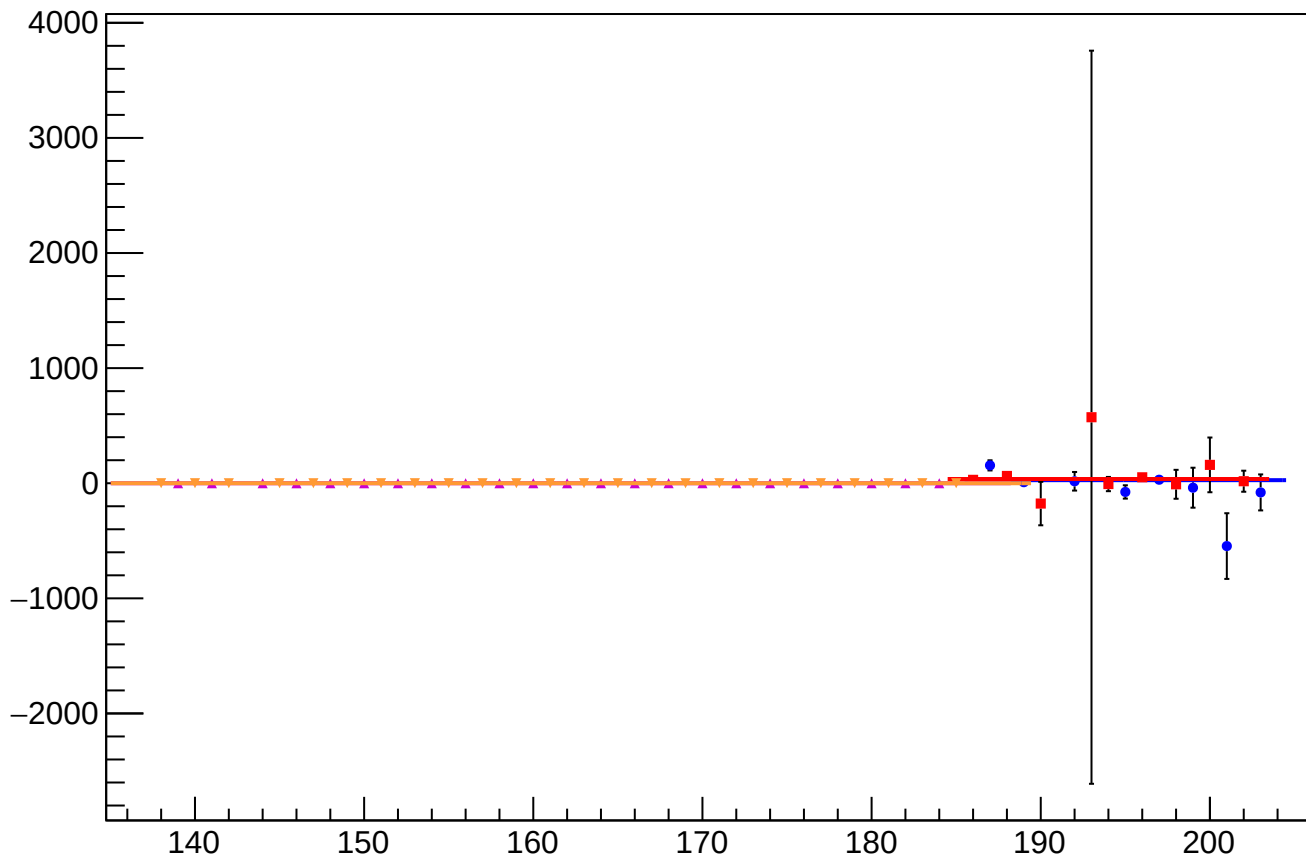
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.561 ± 0.007 χ^2/NDF : 65492.9/47

All: -0.615 ± 0.005 χ^2/NDF : 202426.6/97

- sign -0.669 ± 0.007 χ^2/NDF : 136818.4/49

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 26.613+/-18.647 χ^2/NDF : 16.6/7

Left Out: -0.037+/-0.018 χ^2/NDF : 35.4/23

Right Out: 36.716+/-9.912 χ^2/NDF : 4.3/8

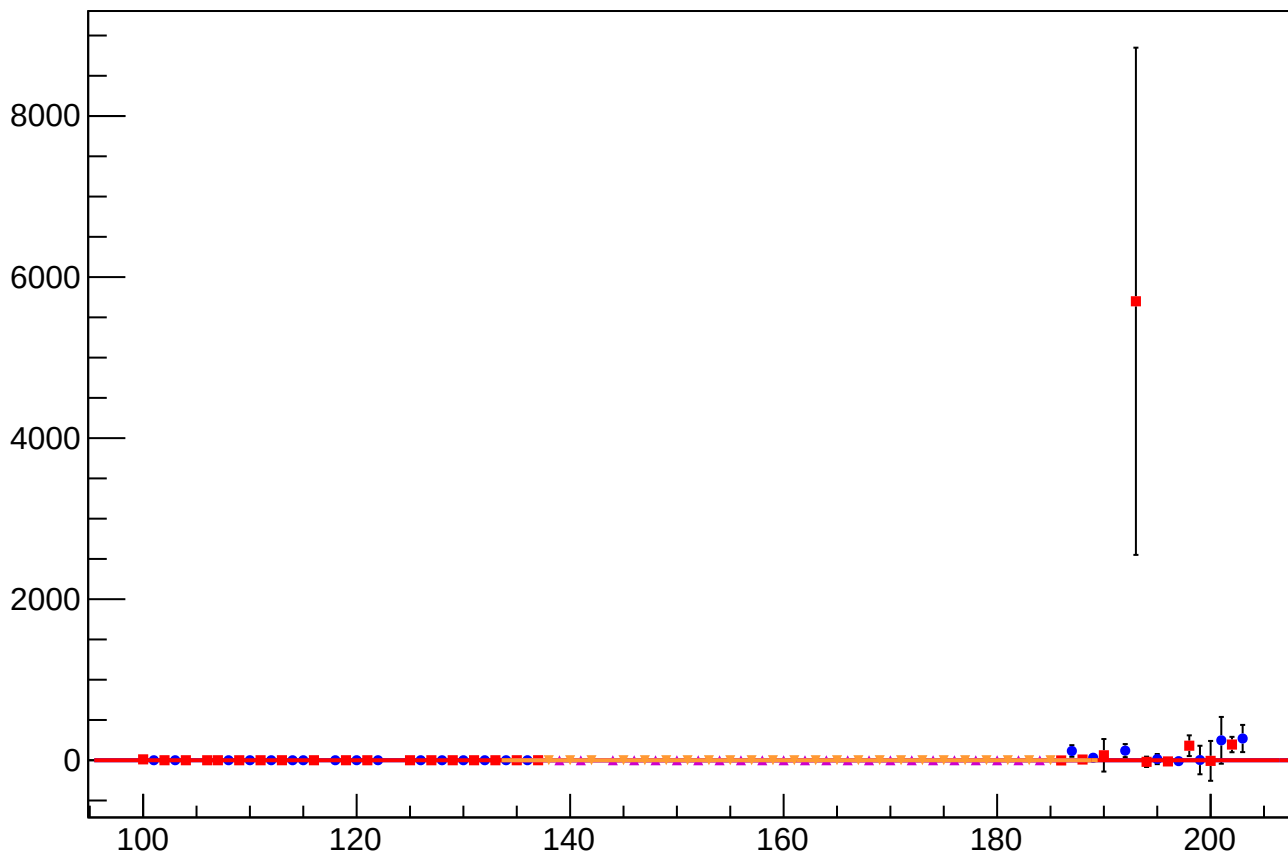
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.037+/-0.018 χ^2/NDF : 54.1/31

All: -0.024+/-0.013 χ^2/NDF : 108.4/63

- sign -0.010+/-0.018 χ^2/NDF : 53.2/31

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 21.1/23

Left Out: -0.073 $\pm$ 0.014 χ^2 /NDF: 27.8/23

Right Out: -0.088 $\pm$ 0.025 χ^2 /NDF: 22.7/26

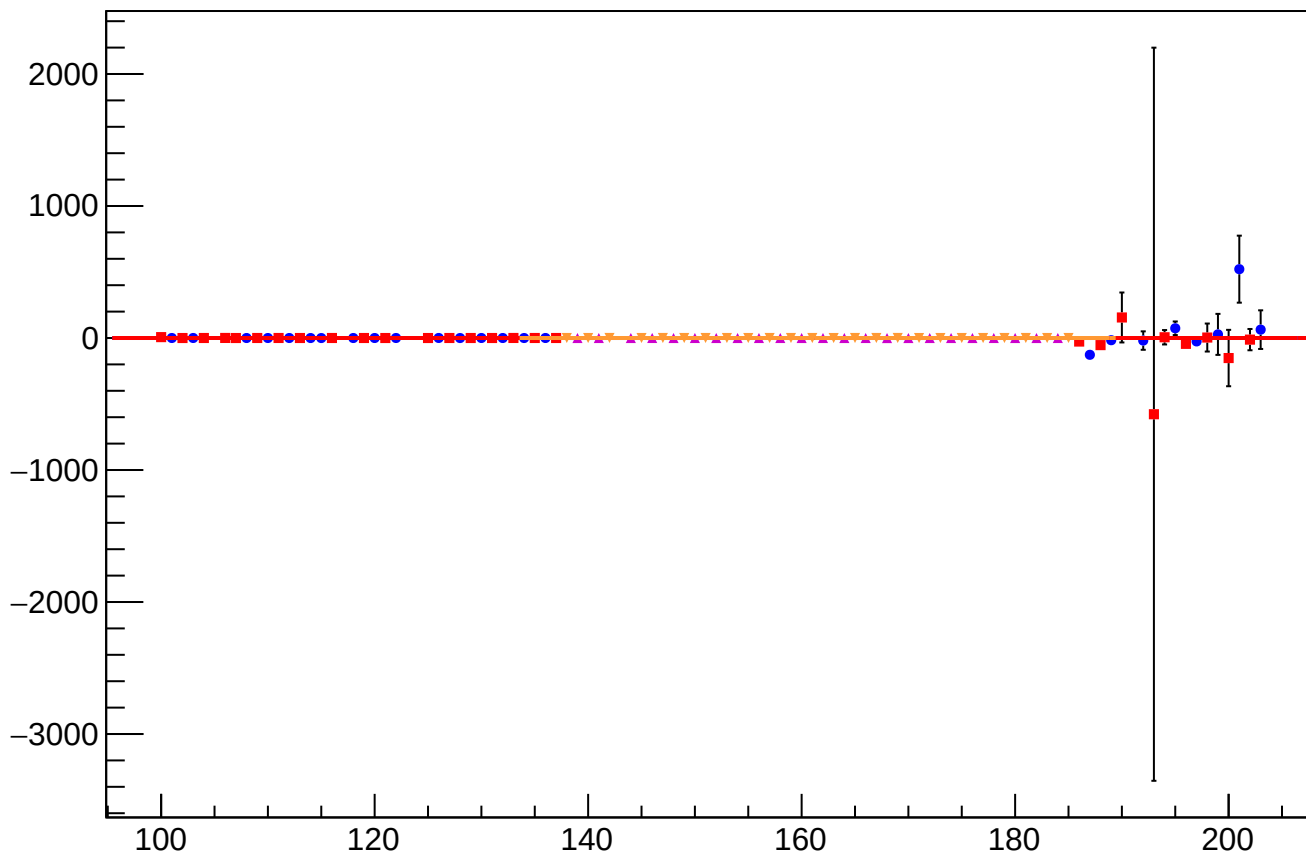
Left In: -0.064 $\pm$ 0.014 χ^2 /NDF: 41.1/22

+ sign -0.057 $\pm$ 0.012 χ^2 /NDF: 53.6/47

All: -0.063 $\pm$ 0.009 χ^2 /NDF: 118.6/97

- sign -0.070 $\pm$ 0.012 χ^2 /NDF: 64.5/49

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 29.1/23

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 29.8/26

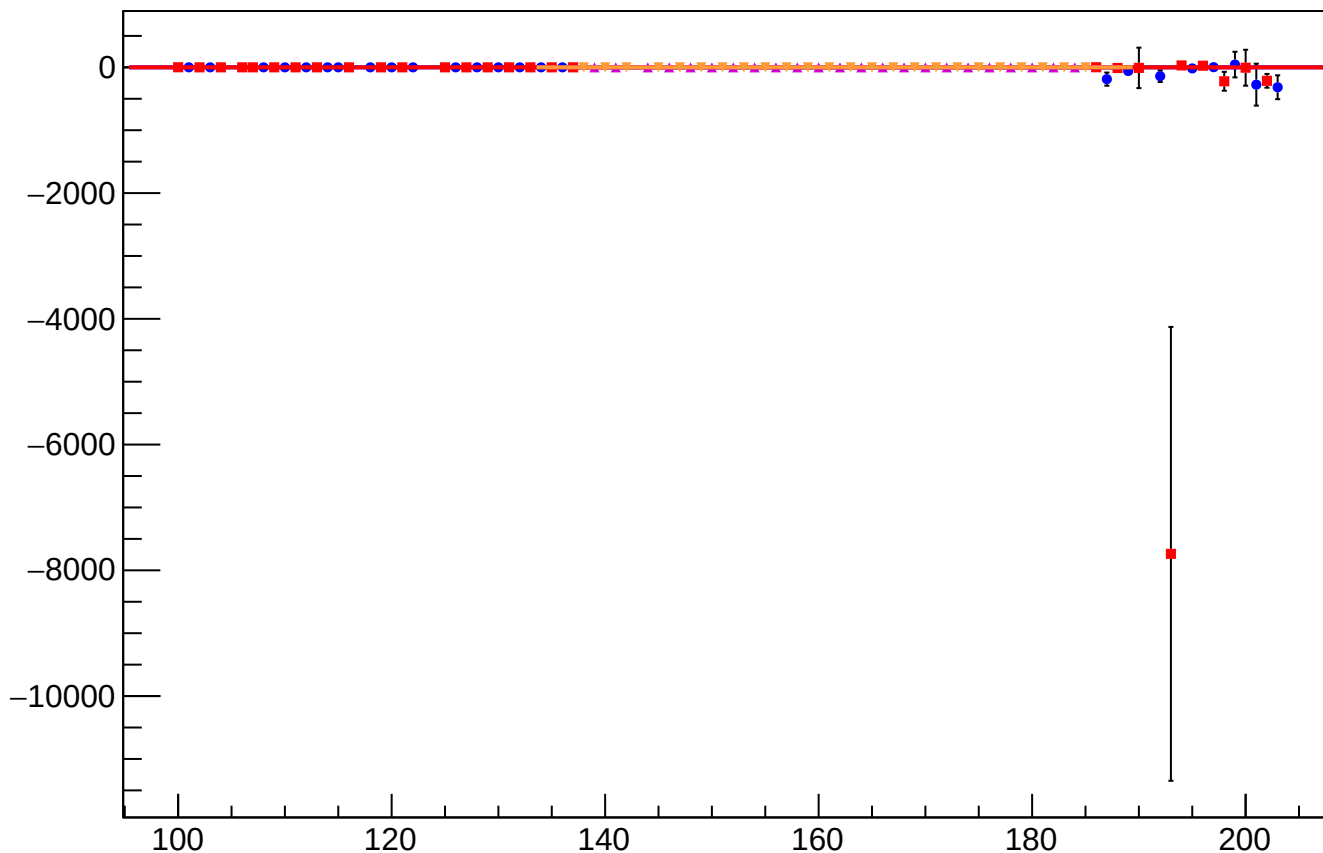
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 61.5/47

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 131.1/97

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 67.3/49

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 χ^2/NDF : 22.1/23

Left Out: 0.086 ± 0.016 χ^2/NDF : 27.7/23

Right Out: 0.105 ± 0.029 χ^2/NDF : 19.2/26

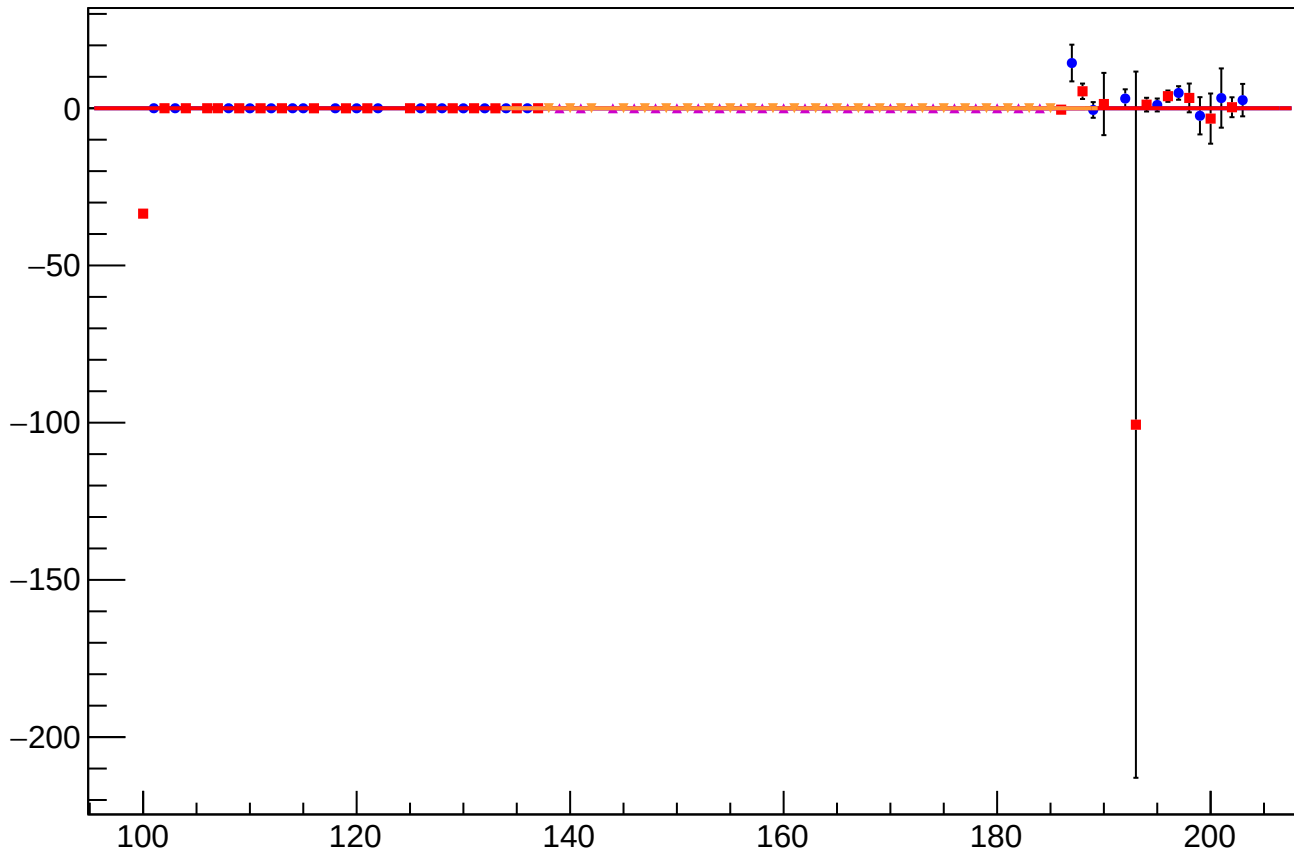
Left In: 0.070 ± 0.016 χ^2/NDF : 44.8/22

+ sign 0.066 ± 0.014 χ^2/NDF : 55.9/47

All: 0.072 ± 0.010 χ^2/NDF : 121.4/97

- sign 0.078 ± 0.014 χ^2/NDF : 65.1/49

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 34.6/23

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26520.2/26

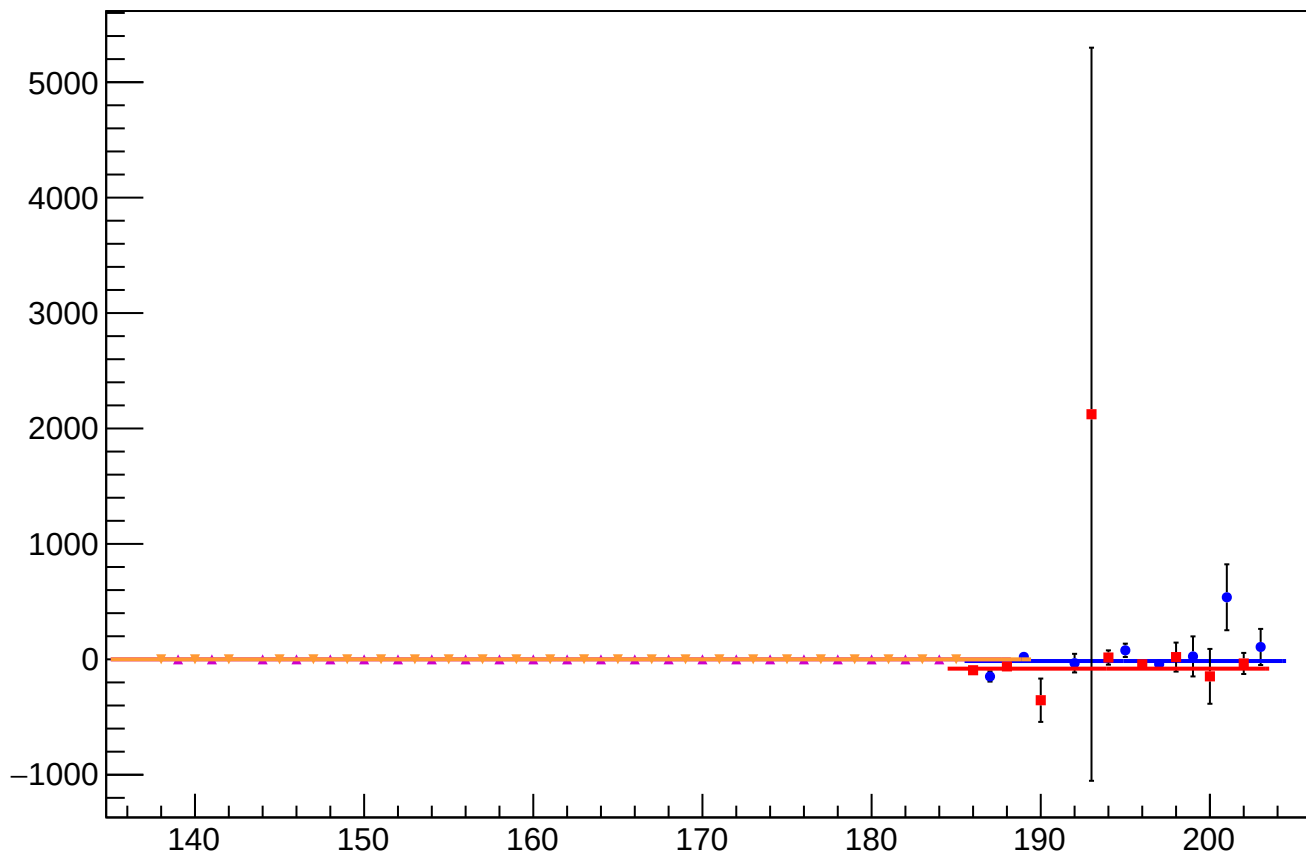
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 71.0/47

All: -0.001 ± 0.000 χ^2/NDF : 26627.6/97

- sign -0.001 ± 0.001 χ^2/NDF : 26556.4/49

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -14.648 ± 18.638 χ^2/NDF : 18.3/7

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -80.718 ± 9.914 χ^2/NDF : 9.0/8

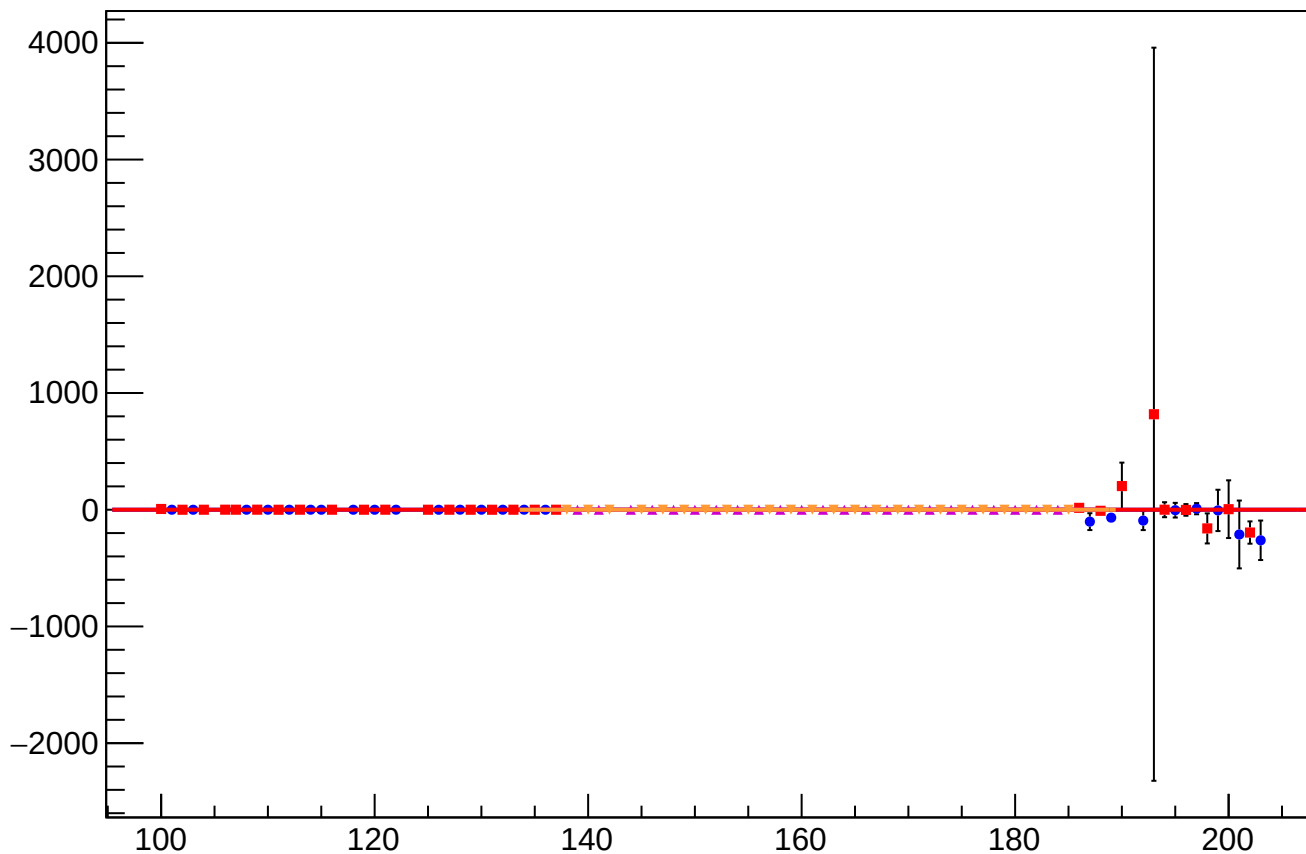
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 56.2/31

All: -0.031 ± 0.013 χ^2/NDF : 169.4/63

- sign -0.009 ± 0.018 χ^2/NDF : 110.3/31

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 ± 0.023 χ^2/NDF : 36.0/23

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 36.8/26

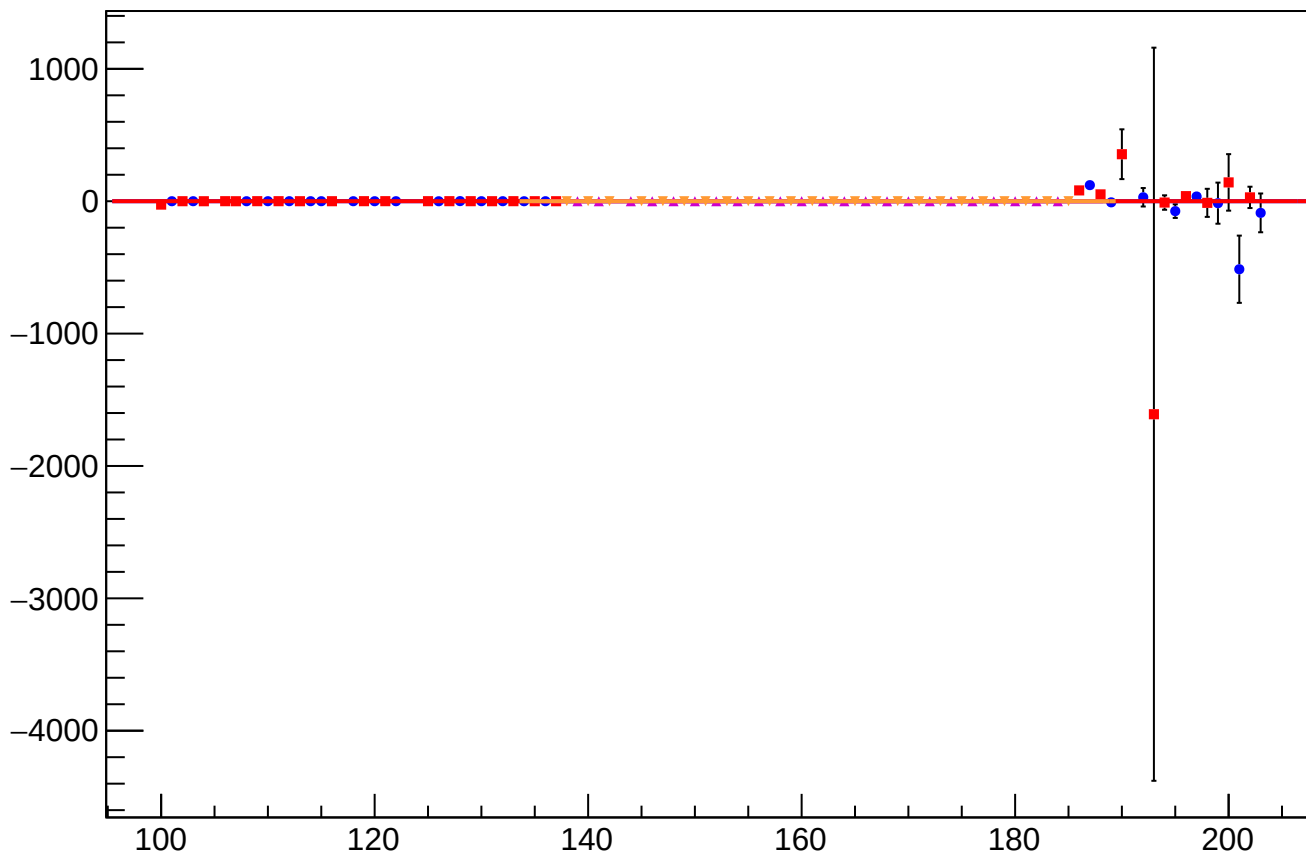
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 66.0/47

All: 0.003 ± 0.009 χ^2/NDF : 154.7/97

- sign 0.013 ± 0.012 χ^2/NDF : 87.6/49

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 49.0/23

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 107.6/26

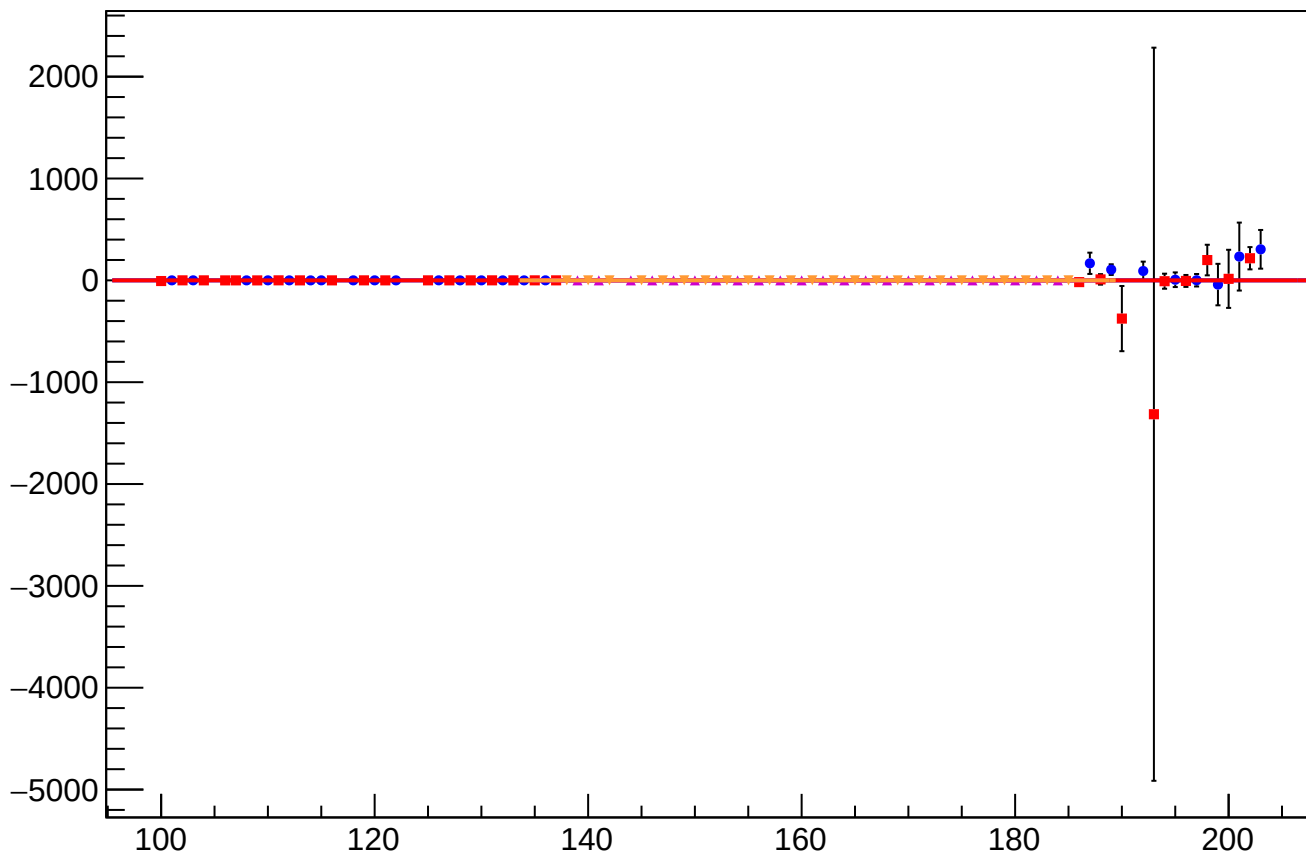
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 89.9/47

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 247.3/97

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 156.8/49

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 35.4/23

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 34.2/26

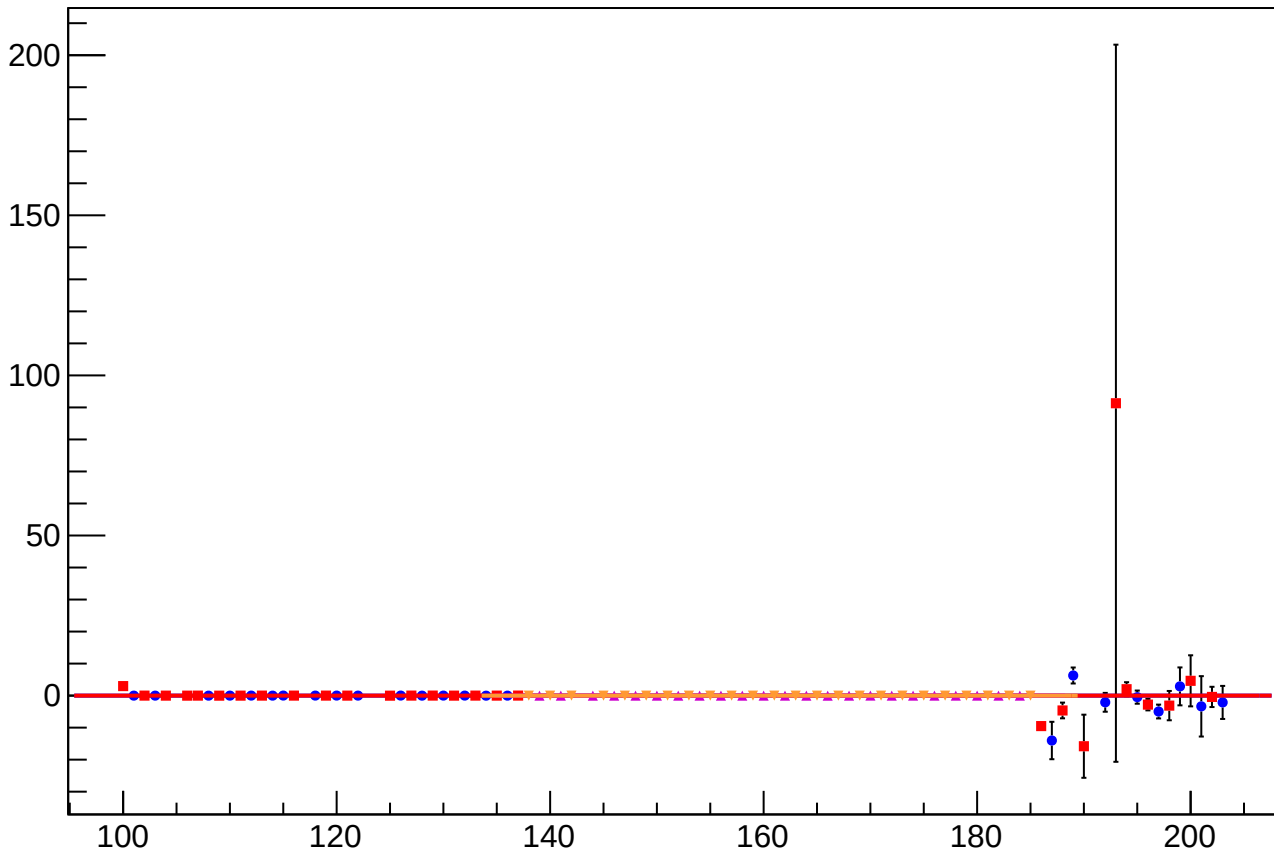
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 69.7/47

All: 0.004 ± 0.010 χ^2/NDF : 157.5/97

- sign -0.007 ± 0.014 χ^2/NDF : 86.8/49

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 45.9/23

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 213.7/26

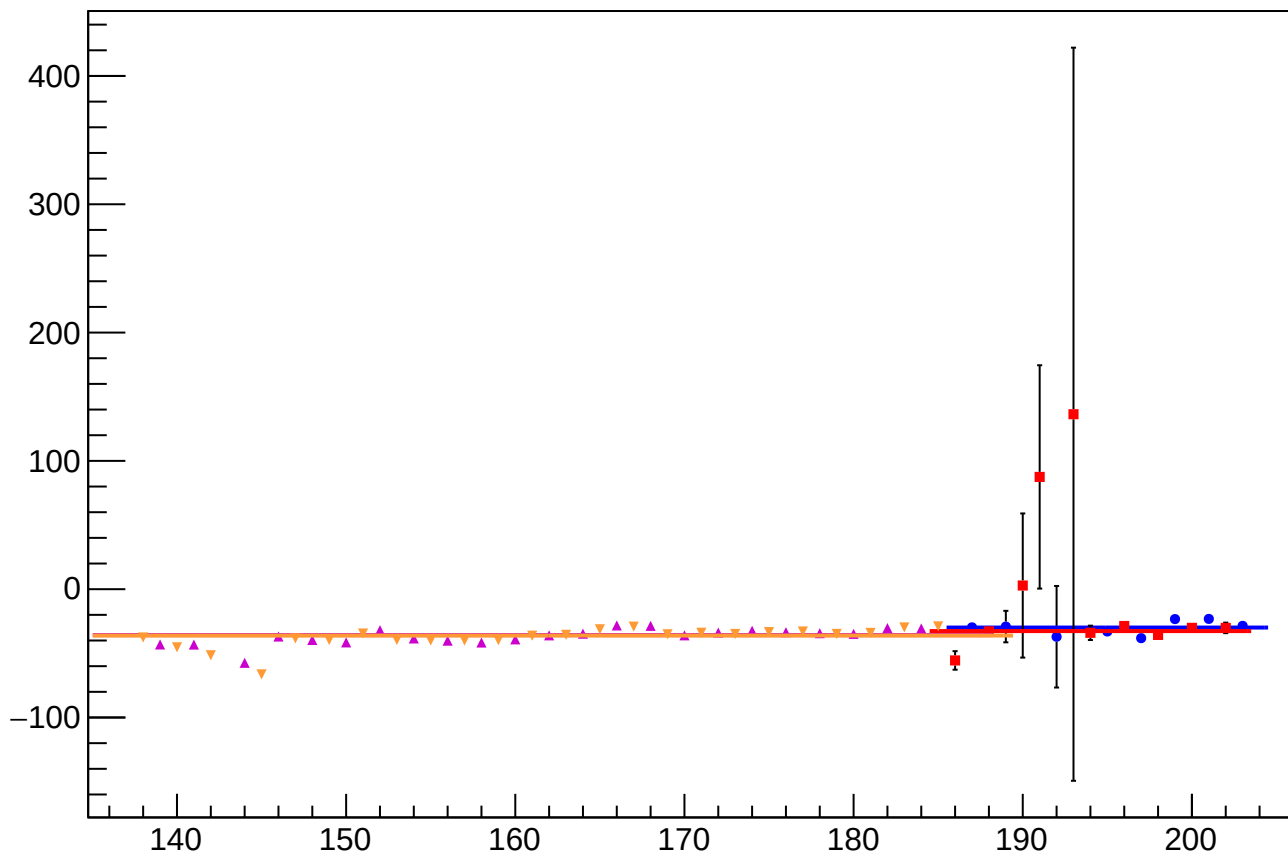
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 79.6/47

All: -0.008 ± 0.000 χ^2/NDF : 333.7/97

- sign -0.008 ± 0.001 χ^2/NDF : 253.9/49

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.897 ± 1.040 χ^2/NDF : 19.4/7

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.657 ± 0.938 χ^2/NDF : 16.5/9

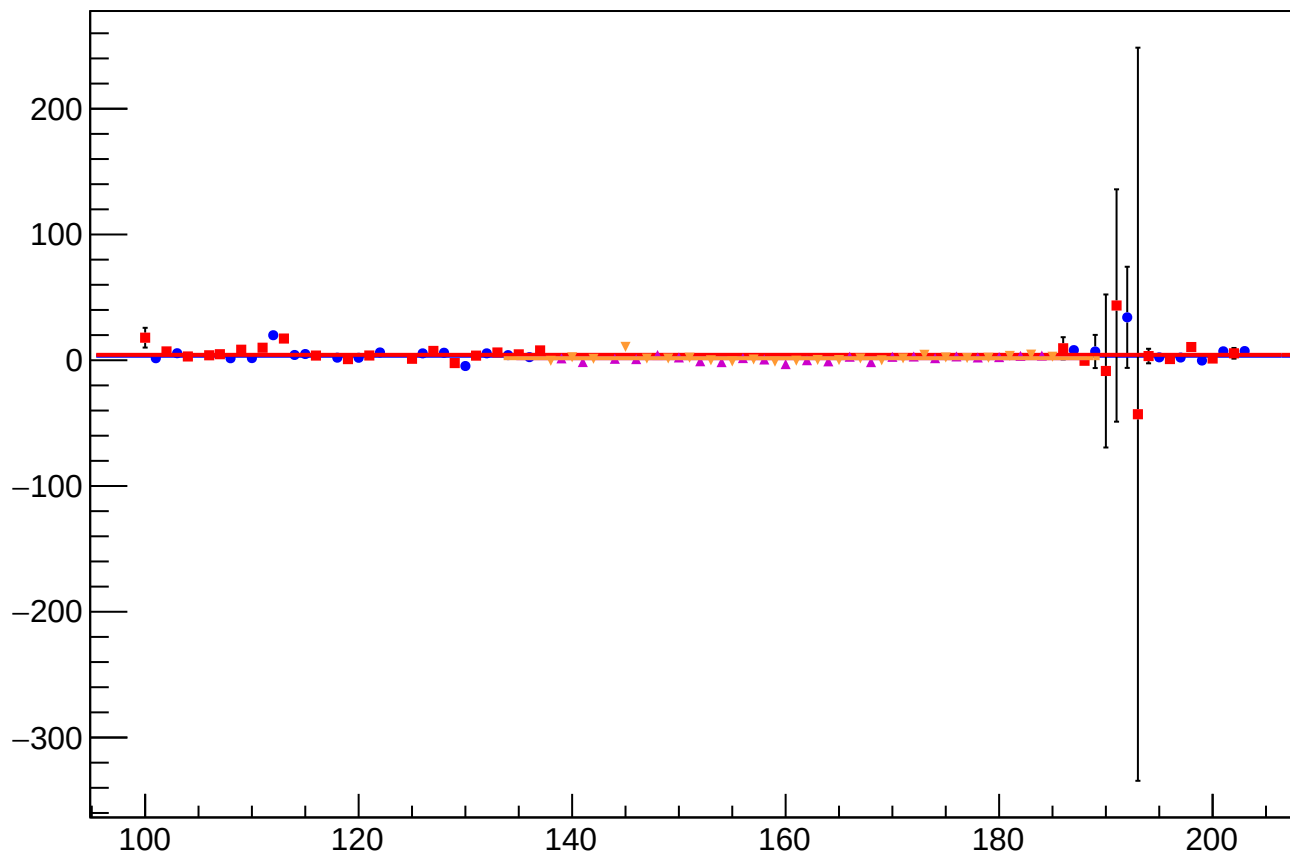
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.915 ± 0.189 χ^2/NDF : 1169.0/31

All: -35.784 ± 0.133 χ^2/NDF : 2051.2/64

- sign -35.654 ± 0.187 χ^2/NDF : 881.2/32

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.576 ± 0.218 χ^2/NDF : 446.8/23

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.311 ± 0.222 χ^2/NDF : 365.5/27

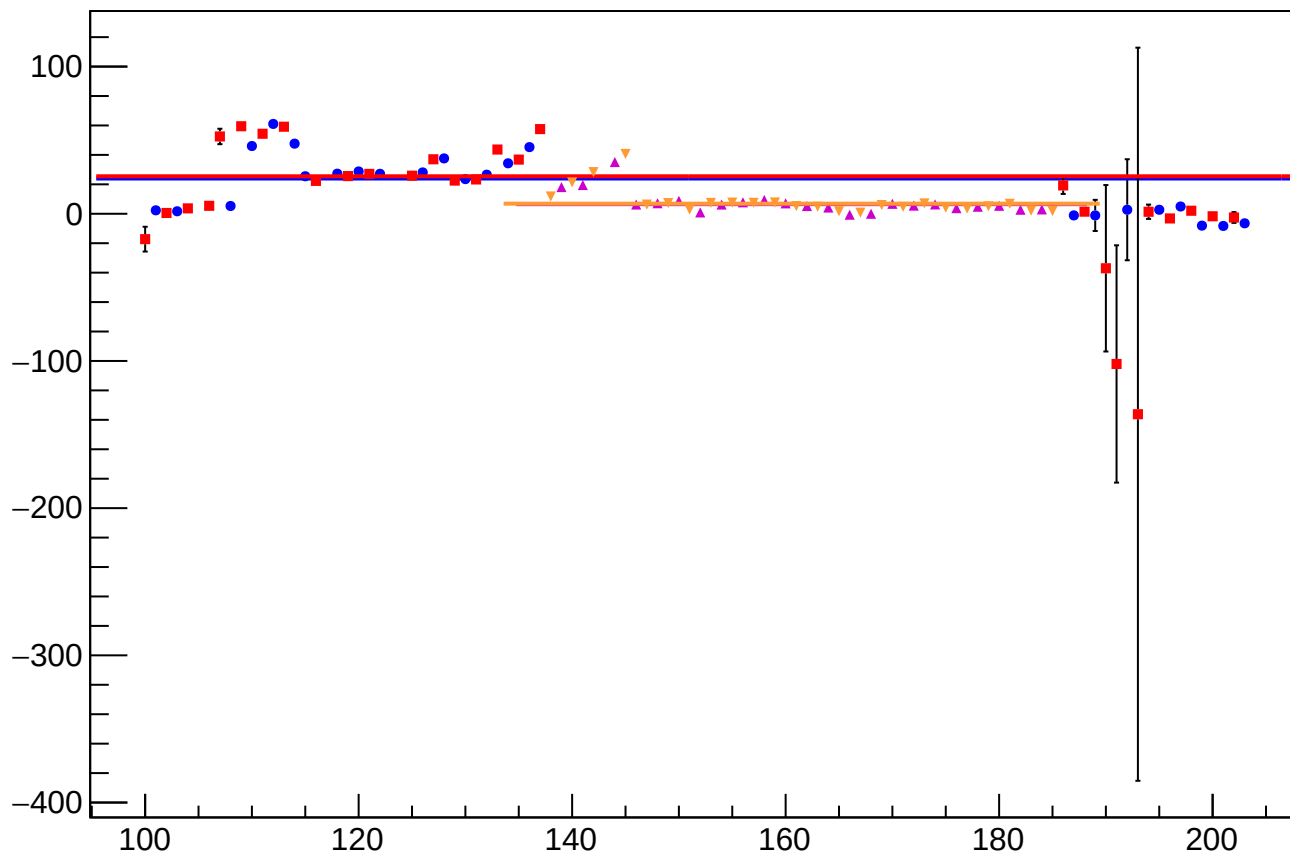
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.247 ± 0.122 χ^2/NDF : 667.8/47

All: 2.360 ± 0.087 χ^2/NDF : 1298.0/98

- sign 2.476 ± 0.124 χ^2/NDF : 628.5/50

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 23.959 $\pm$ 0.381 χ^2 /NDF: 2491.3/23

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF:1295.7/23

Right Out: 25.465 $\pm$ 0.372 χ^2 /NDF: 2979.7/27

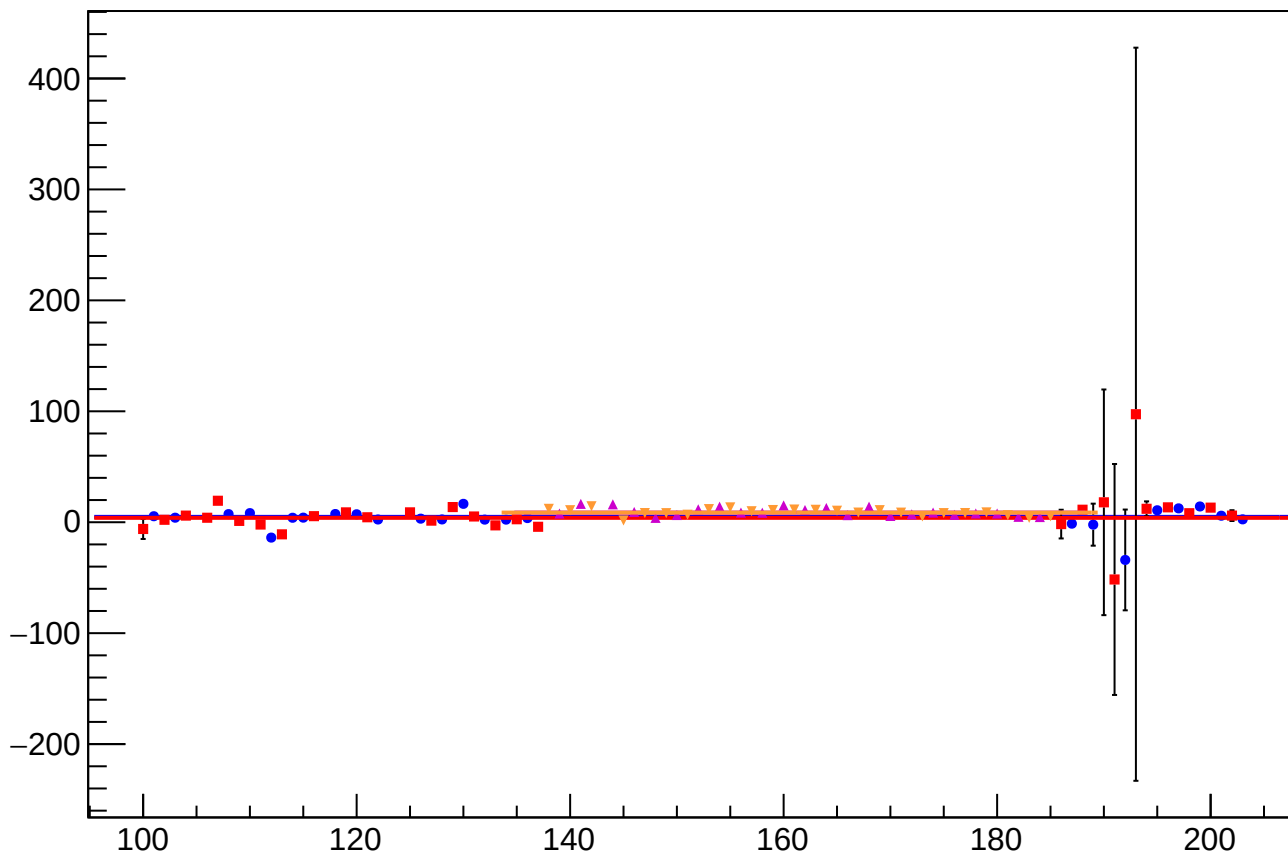
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF:1025.1/22

+ sign 10.308 $\pm$ 0.171 χ^2 /NDF: 5393.2/47

All: 10.389 $\pm$ 0.120 χ^2 /NDF: 11452.3/98

- sign 10.469 $\pm$ 0.169 χ^2 /NDF: 6058.6/50

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.831 ± 0.251 $\chi^2/\text{NDF}: 563.3/23$

Left Out: 8.695 ± 0.169 $\chi^2/\text{NDF}: 241.0/23$

Right Out: 3.970 ± 0.256 $\chi^2/\text{NDF}: 587.2/27$

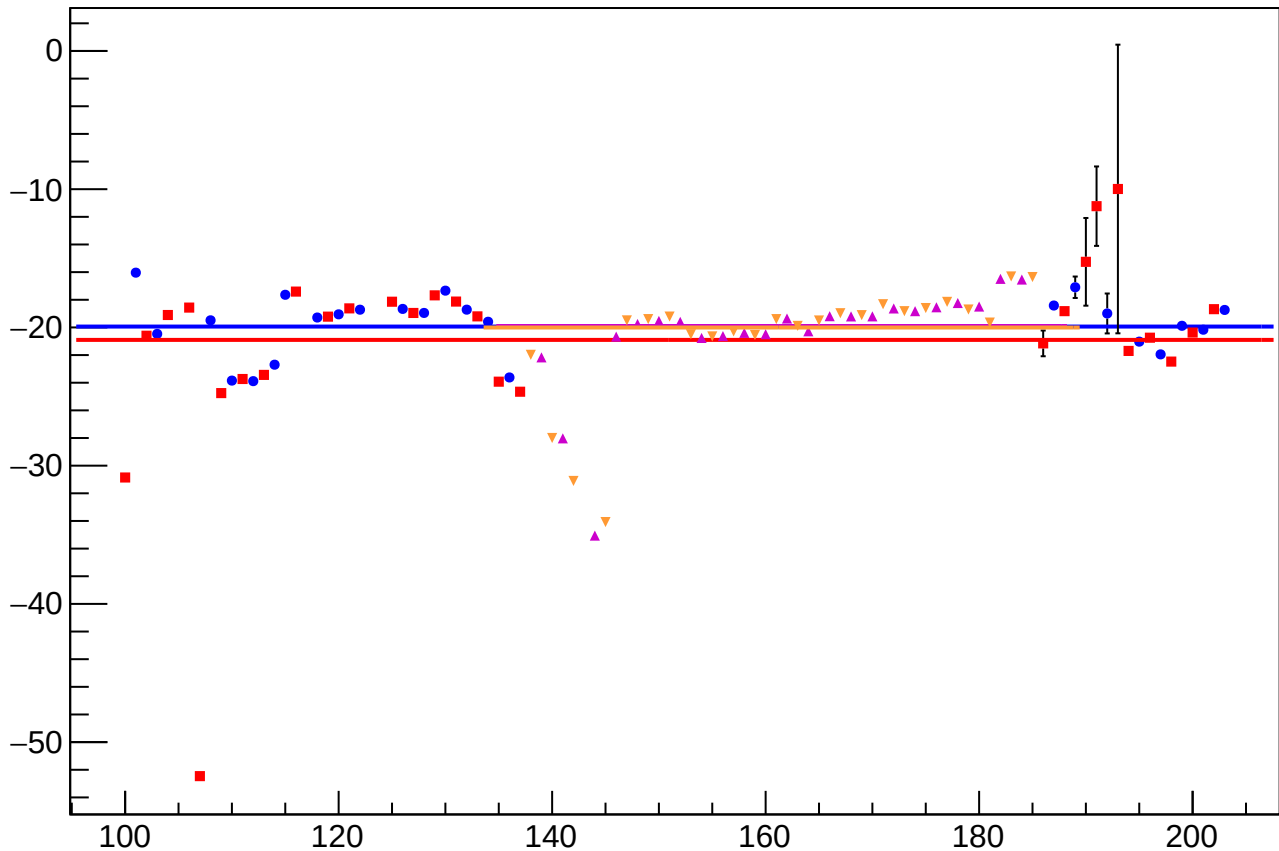
Left In: 8.668 ± 0.170 $\chi^2/\text{NDF}: 436.7/22$

+ sign 7.491 ± 0.140 $\chi^2/\text{NDF}: 967.1/47$

All: 7.359 ± 0.100 $\chi^2/\text{NDF}: 2227.0/98$

- sign 7.225 ± 0.142 $\chi^2/\text{NDF}: 1258.0/50$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.937 ± 0.015 χ^2/NDF : 26524.3/23

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.902 ± 0.015 χ^2/NDF : 94695.9/27

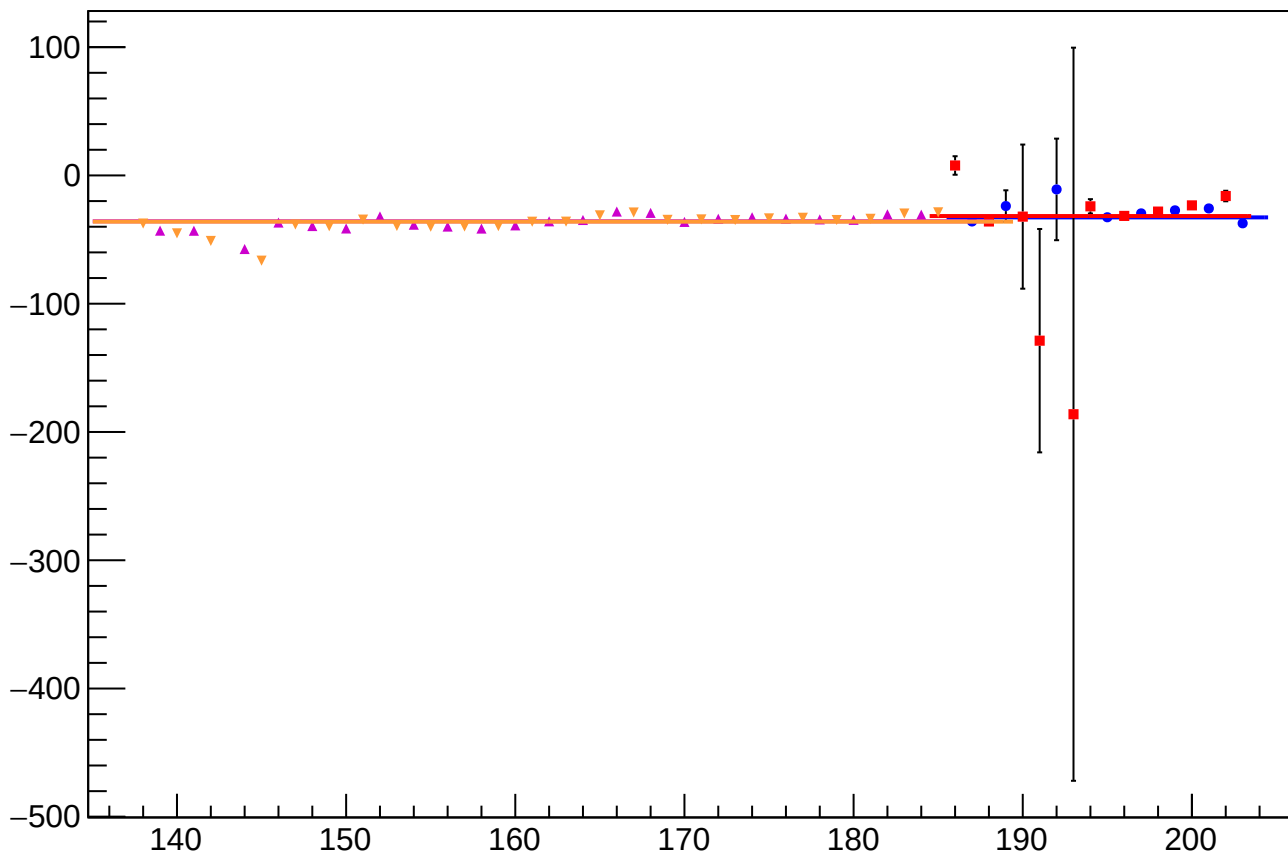
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.991 ± 0.007 χ^2/NDF : 198304.6/47

All: -20.051 ± 0.005 χ^2/NDF : 440825.8/98

- sign -20.111 ± 0.007 χ^2/NDF : 242371.3/50

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.718 ± 1.043 $\chi^2/\text{NDF}: 16.1/7$

Left Out: -36.031 ± 0.192 $\chi^2/\text{NDF}: 1121.3/23$

Right Out: -31.673 ± 0.940 $\chi^2/\text{NDF}: 68.1/9$

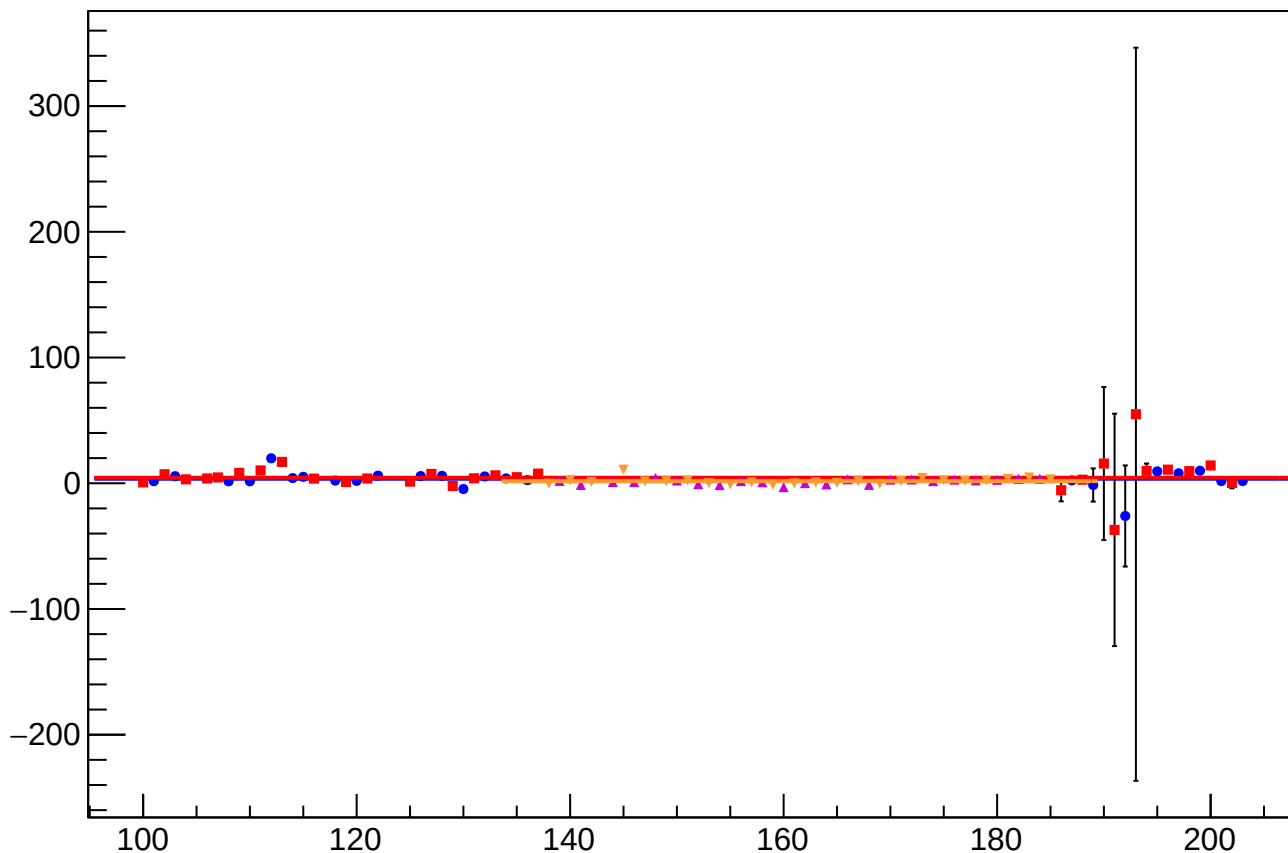
Left In: -35.766 ± 0.191 $\chi^2/\text{NDF}: 842.6/22$

+ sign -35.922 ± 0.189 $\chi^2/\text{NDF}: 1147.1/31$

All: -35.762 ± 0.133 $\chi^2/\text{NDF}: 2077.4/64$

- sign -35.604 ± 0.187 $\chi^2/\text{NDF}: 928.9/32$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.616 ± 0.217 χ^2/NDF : 448.0/23

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.371 ± 0.218 χ^2/NDF : 371.0/27

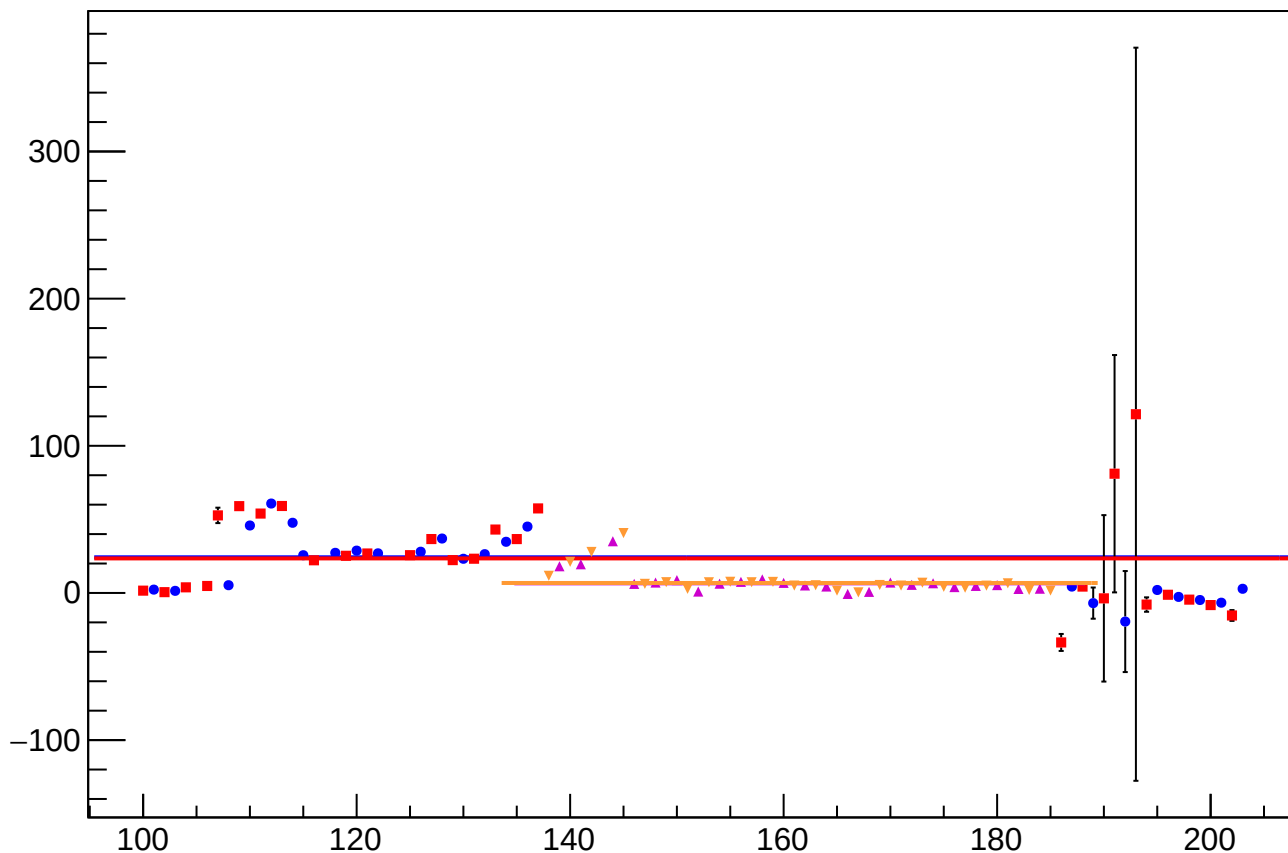
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.321 ± 0.122 χ^2/NDF : 667.9/47

All: 2.438 ± 0.087 χ^2/NDF : 1305.5/98

- sign 2.558 ± 0.123 χ^2/NDF : 635.7/50

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 24.233+/-0.381 χ^2/NDF : 2333.3/23

Left Out: 6.779+/-0.191 χ^2/NDF : 1297.7/23

Right Out: 23.473+/-0.358 χ^2/NDF : 3340.3/27

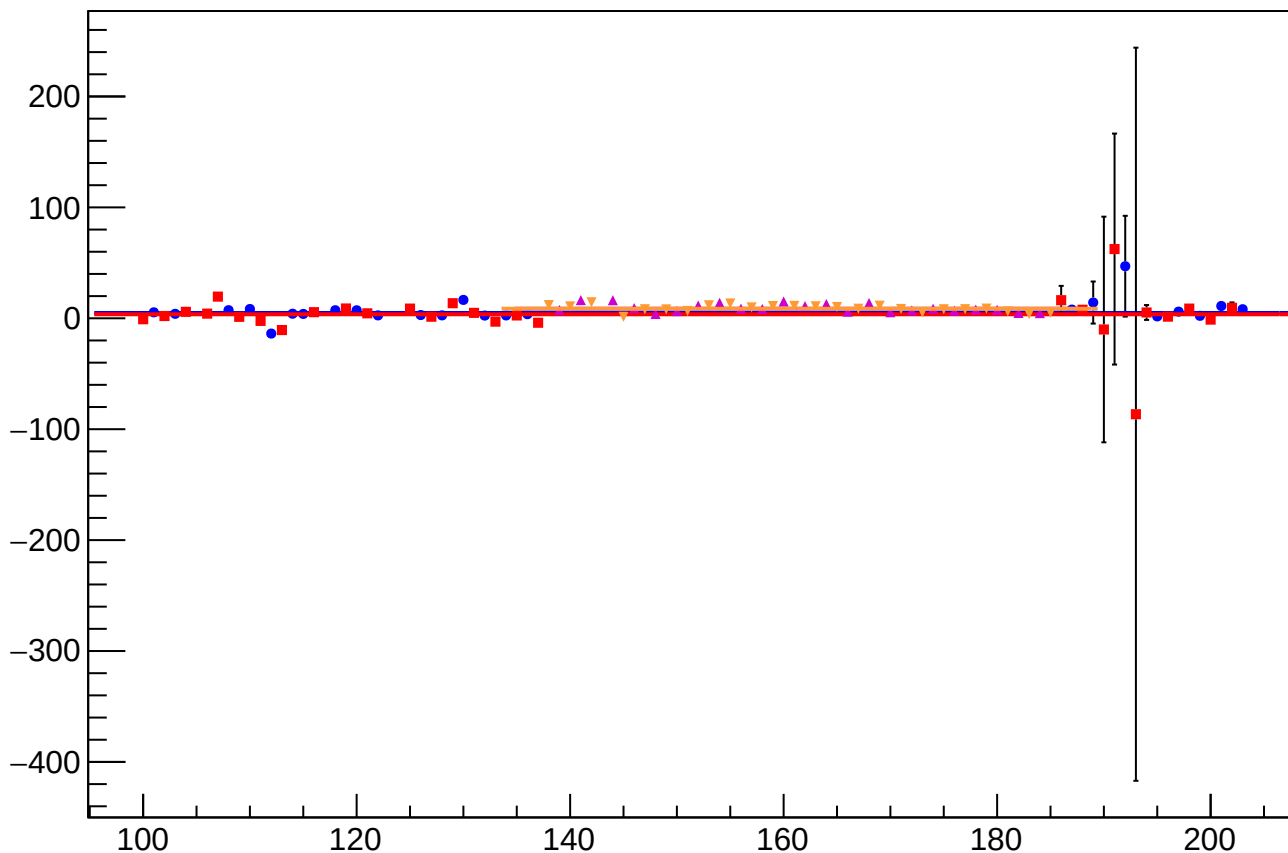
Left In: 6.532+/-0.190 χ^2/NDF : 1018.2/22

+ sign 10.291+/-0.171 χ^2/NDF : 5306.1/47

All: 10.278+/-0.120 χ^2/NDF : 11411.5/98

- sign 10.265+/-0.168 χ^2/NDF : 6105.3/50

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.784 ± 0.251 χ^2/NDF : 549.3/23

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.622 ± 0.251 χ^2/NDF : 579.0/27

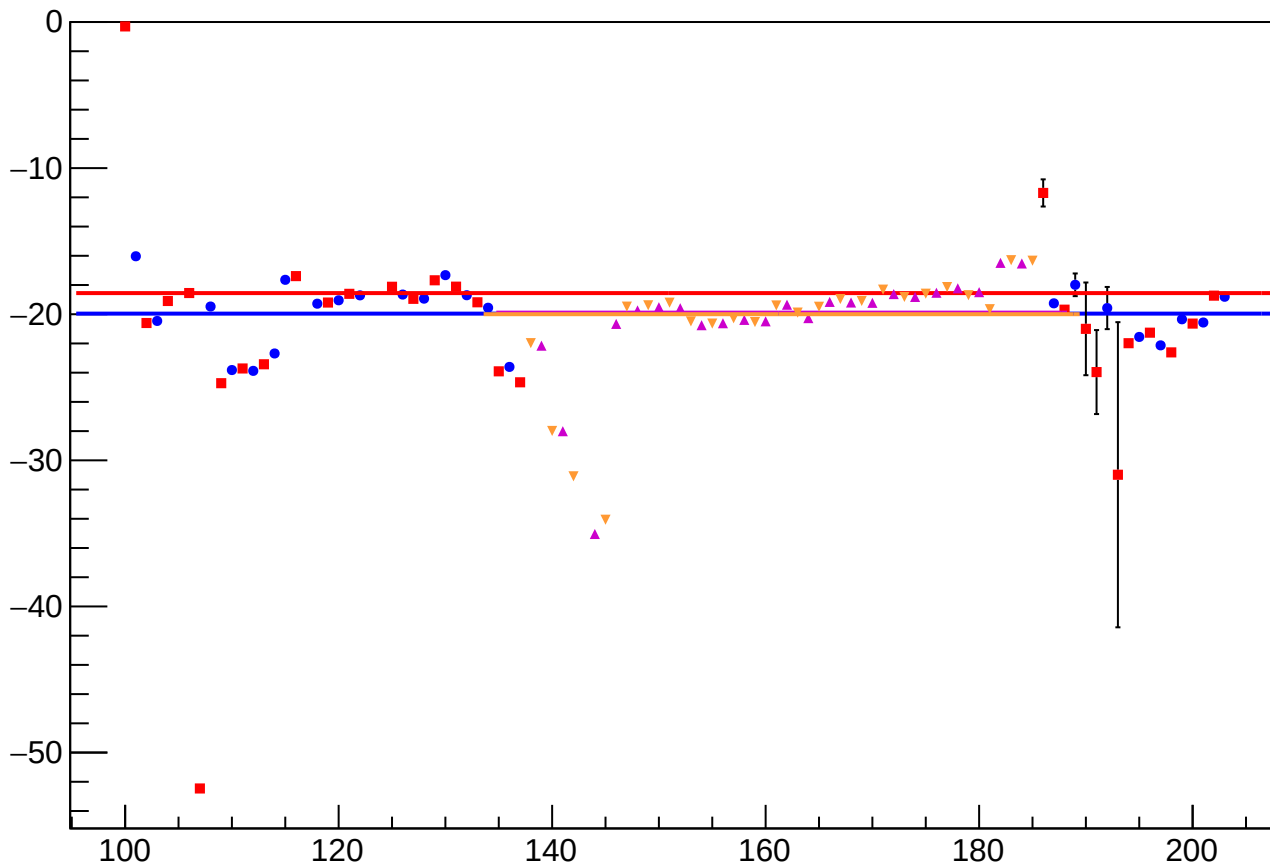
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.401 ± 0.140 χ^2/NDF : 952.6/47

All: 7.215 ± 0.099 χ^2/NDF : 2244.4/98

- sign 7.026 ± 0.141 χ^2/NDF : 1288.2/50

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.958 ± 0.015 χ^2/NDF : 26675.7/23

Left Out: -19.998 ± 0.008 χ^2/NDF : 171944.6/23

Right Out: -18.553 ± 0.014 χ^2/NDF : 303647.6/27

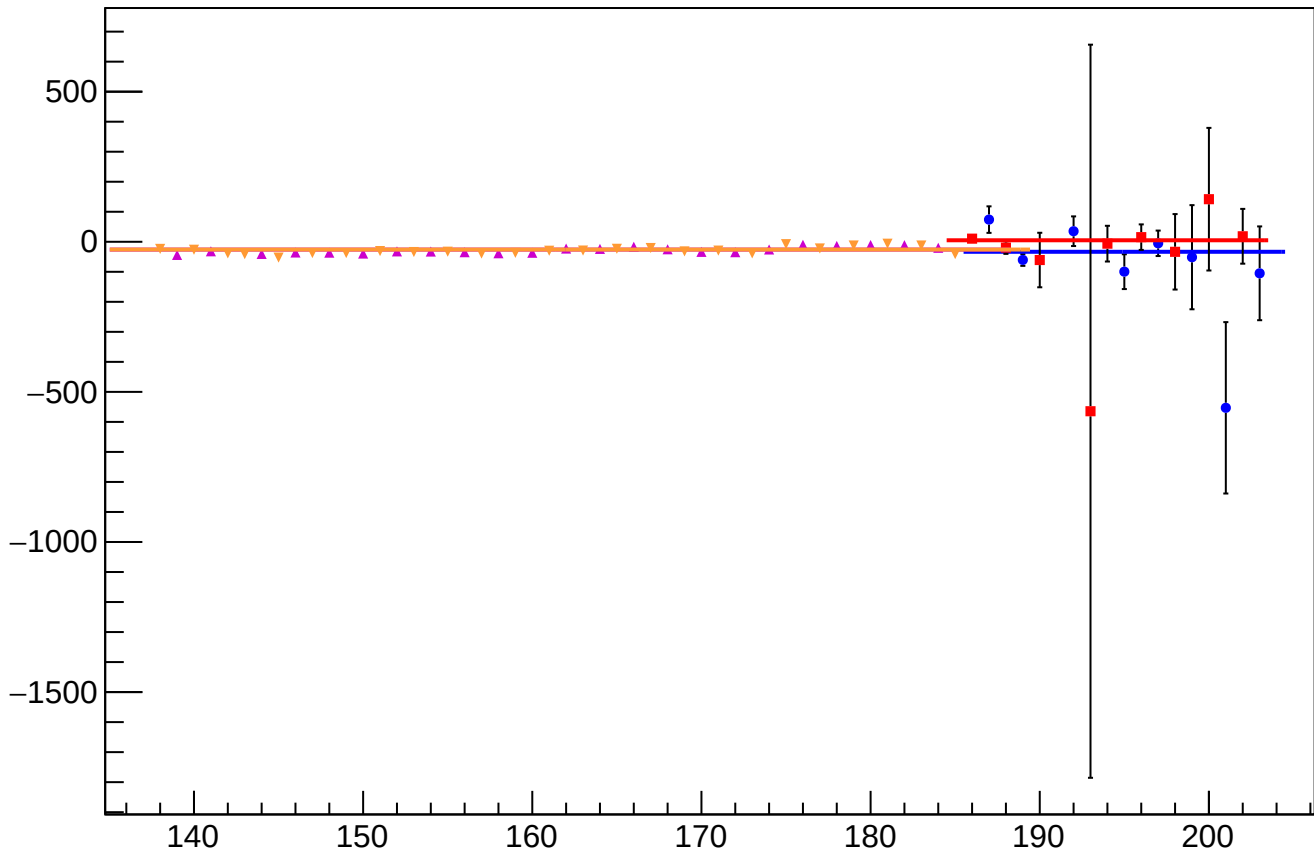
Left In: -19.890 ± 0.008 χ^2/NDF : 144055.2/22

+ sign -19.989 ± 0.007 χ^2/NDF : 198625.8/47

All: -19.781 ± 0.005 χ^2/NDF : 654858.3/98

- sign -19.579 ± 0.007 χ^2/NDF : 454476.5/50

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -33.338 ± 15.048 χ^2/NDF : 15.0/7

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 5.012 ± 8.258 χ^2/NDF : 3.0/8

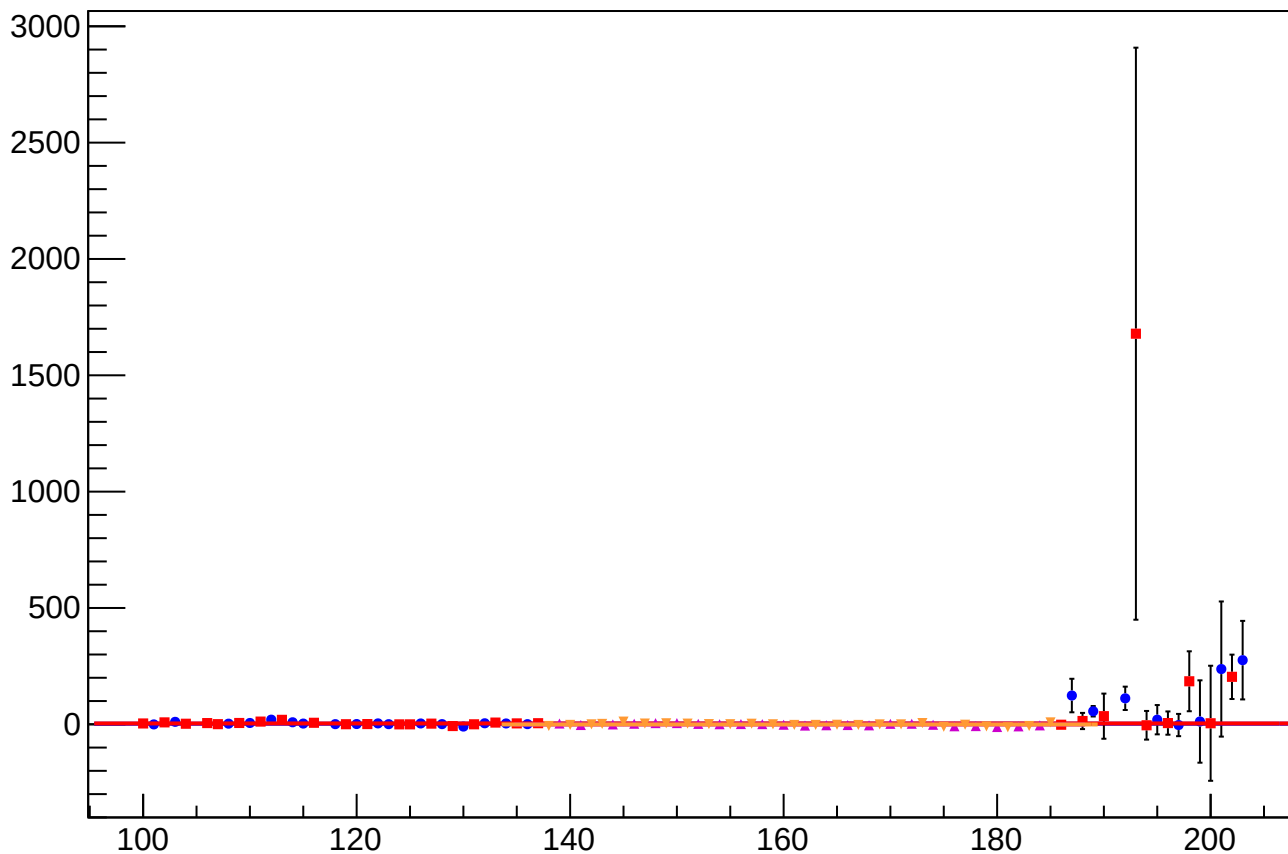
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.886 ± 0.192 χ^2/NDF : 4173.2/32

All: -25.959 ± 0.137 χ^2/NDF : 7470.1/64

- sign -26.035 ± 0.195 χ^2/NDF : 3296.6/31

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.473 ± 0.315 χ^2/NDF : 310.9/24

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.714 ± 0.327 χ^2/NDF : 277.8/27

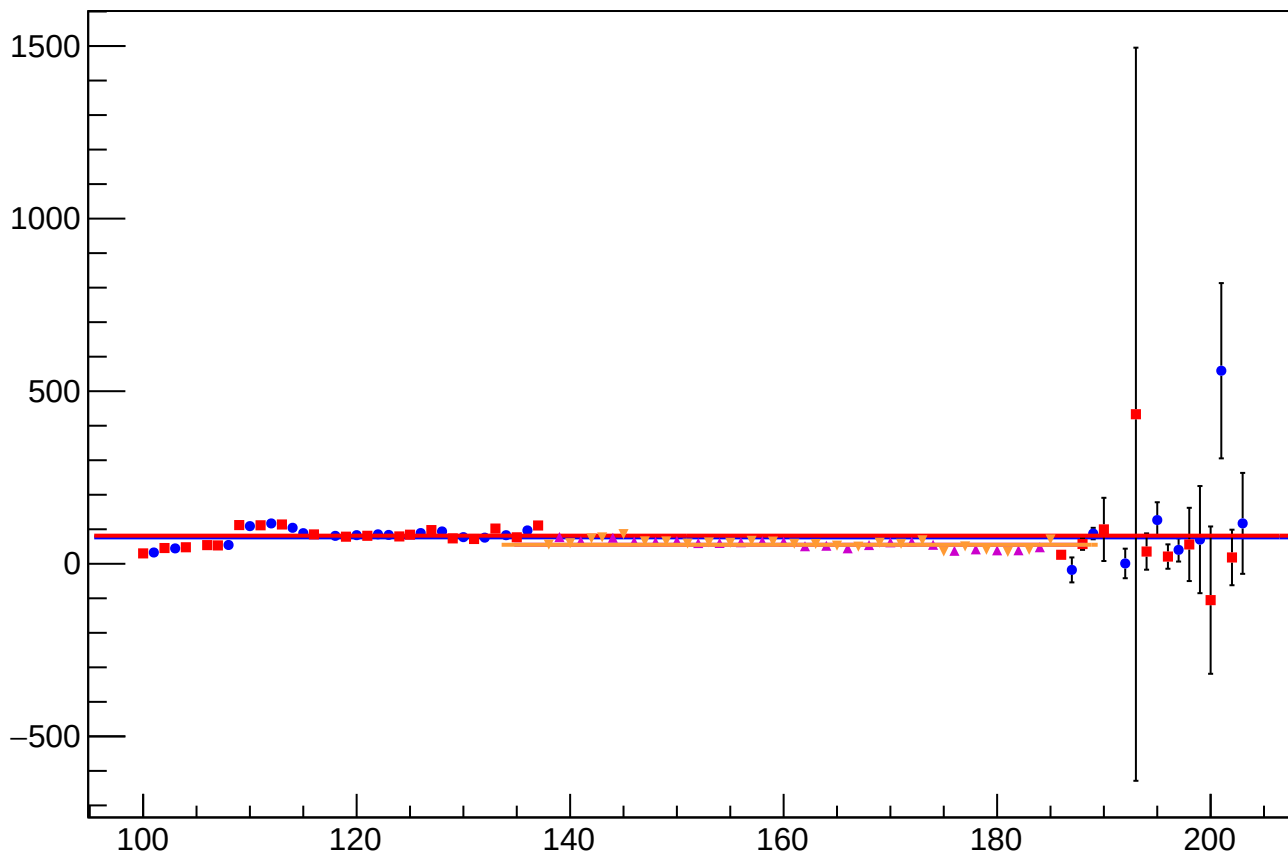
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.099 ± 0.133 χ^2/NDF : 1713.0/49

All: -0.081 ± 0.095 χ^2/NDF : 3219.3/100

- sign -0.062 ± 0.137 χ^2/NDF : 1506.4/50

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.529 $\pm$ 0.576 χ^2 /NDF: 2268.9/24

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.490 $\pm$ 0.591 χ^2 /NDF: 1631.9/27

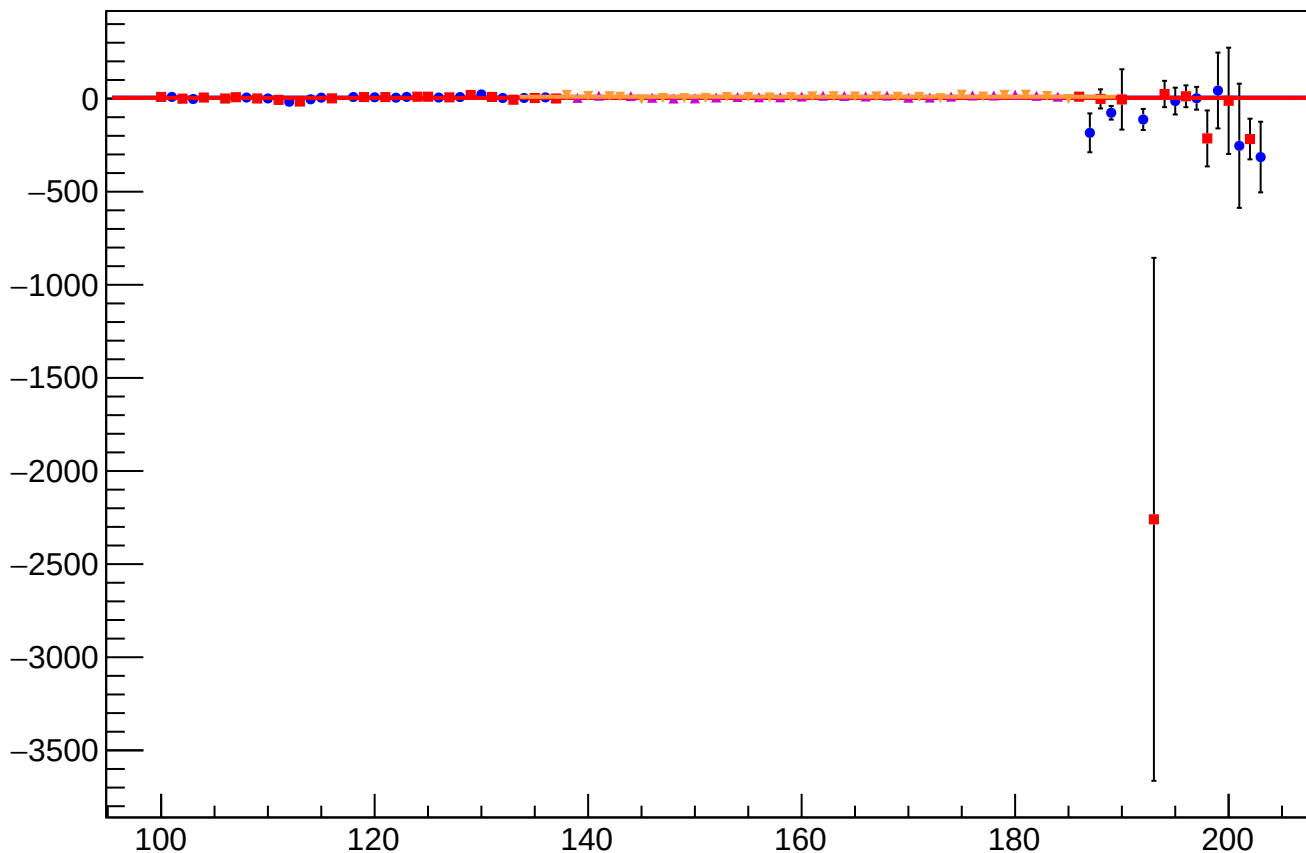
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.229 $\pm$ 0.182 χ^2 /NDF: 8093.6/49

All: 57.427 $\pm$ 0.129 χ^2 /NDF: 15238.2/100

- sign 57.630 $\pm$ 0.184 χ^2 /NDF: 7142.1/50

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.411 ± 0.361 χ^2/NDF : 401.7/24

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.582 ± 0.375 χ^2/NDF : 430.7/27

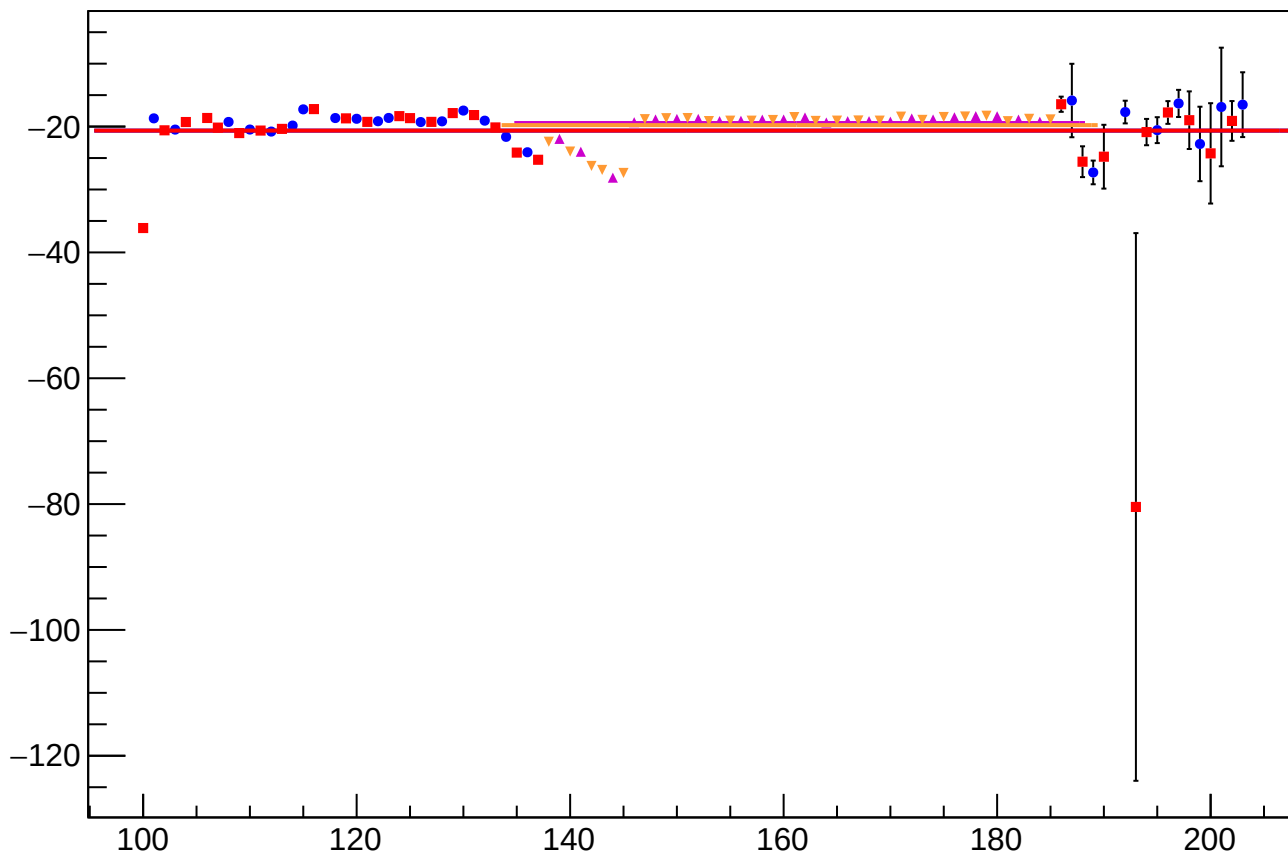
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1970.1/49

All: 8.851 ± 0.109 χ^2/NDF : 3787.9/100

- sign 8.728 ± 0.156 χ^2/NDF : 1816.5/50

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12444.9/24$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.639 ± 0.019 $\chi^2/\text{NDF}: 13807.7/27$

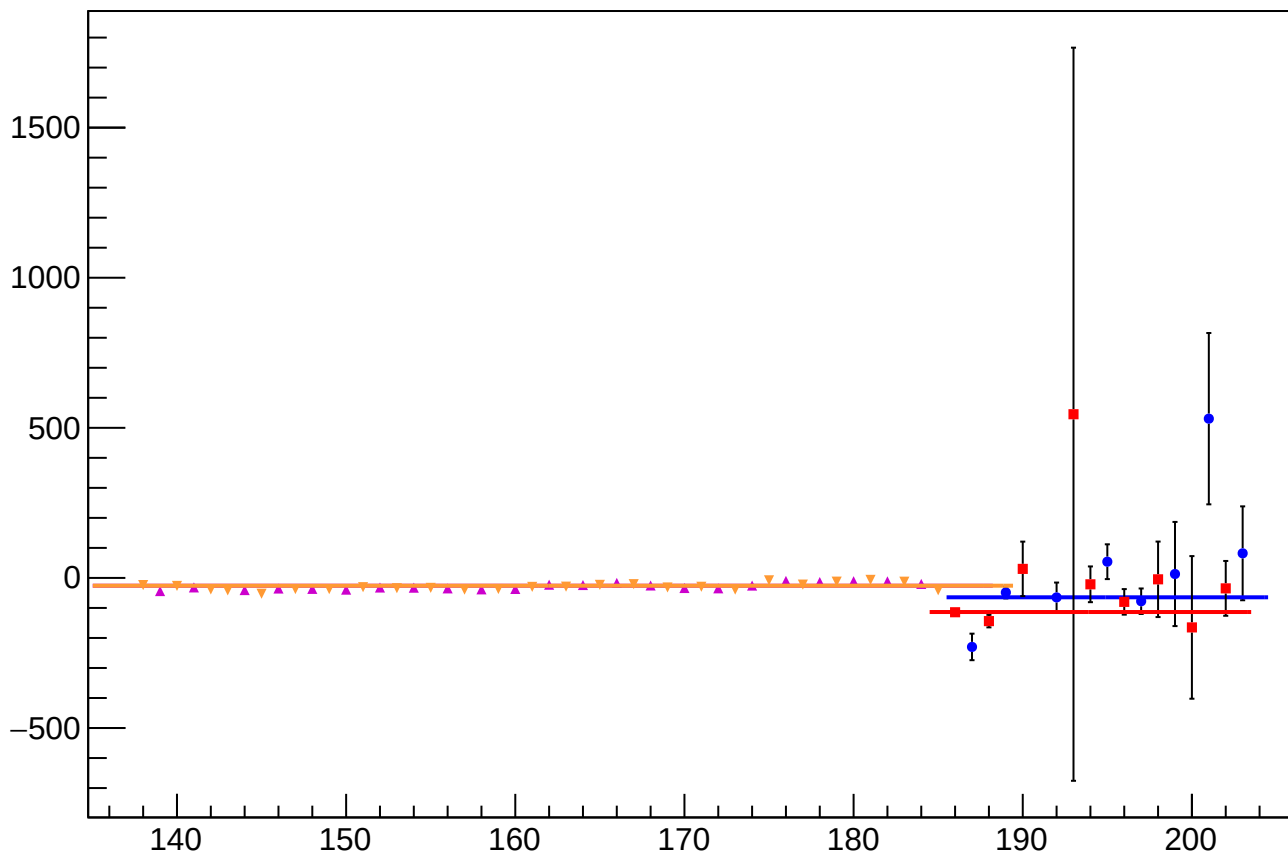
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105823.6/49$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176829.9/100$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70253.9/50$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -64.552 ± 15.061 $\chi^2/\text{NDF}: 24.4/7$

Left Out: -25.899 ± 0.192 $\chi^2/\text{NDF}: 4127.5/24$

Right Out: -113.584 ± 8.264 $\chi^2/\text{NDF}: 9.5/8$

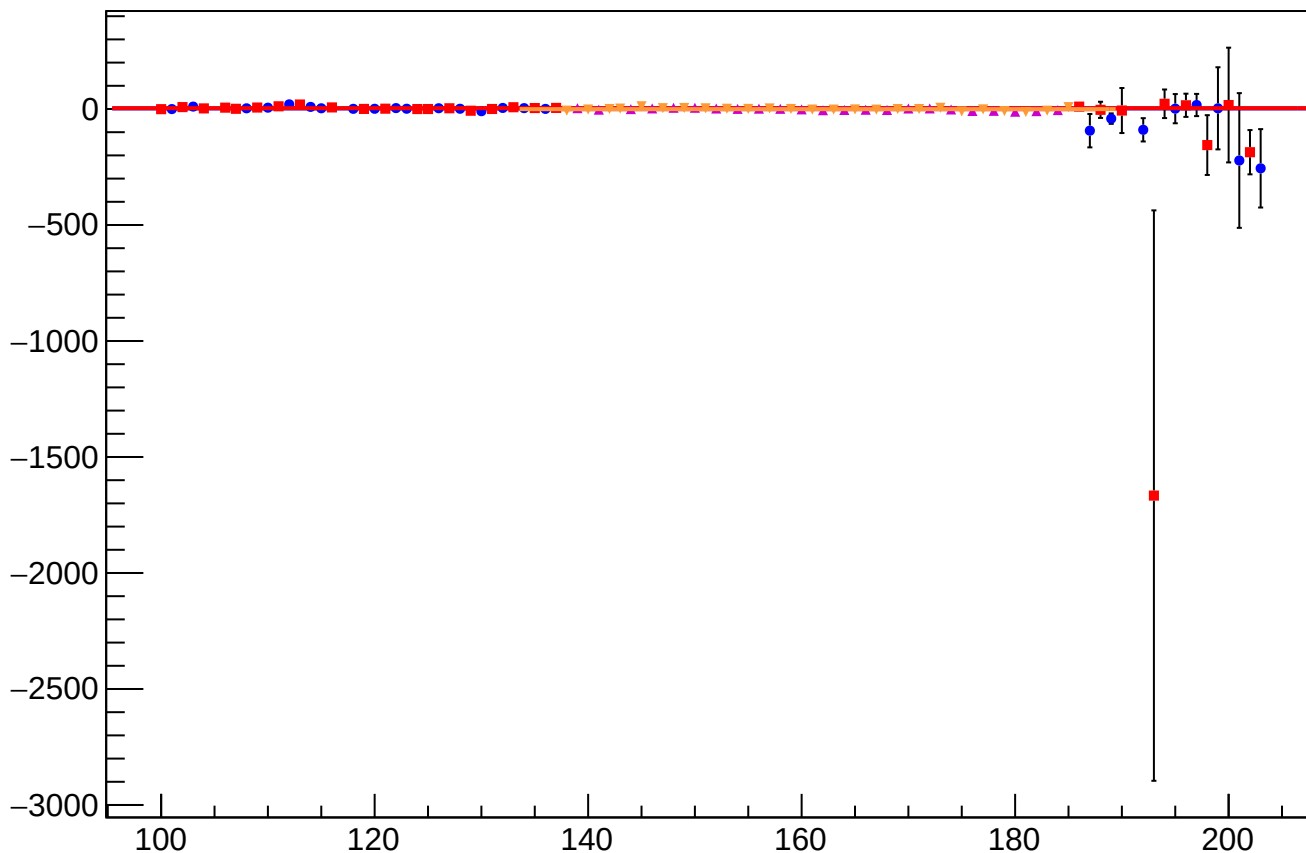
Left In: -26.046 ± 0.195 $\chi^2/\text{NDF}: 3246.7/22$

+ sign -25.905 ± 0.192 $\chi^2/\text{NDF}: 4158.5/32$

All: -25.999 ± 0.137 $\chi^2/\text{NDF}: 7527.3/64$

- sign -26.095 ± 0.195 $\chi^2/\text{NDF}: 3368.4/31$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.441 $\pm$ 0.315 χ^2 /NDF: 304.3/24

Left Out: -0.596 $\pm$ 0.146 χ^2 /NDF: 1310.7/24

Right Out: 3.594 $\pm$ 0.318 χ^2 /NDF: 287.9/27

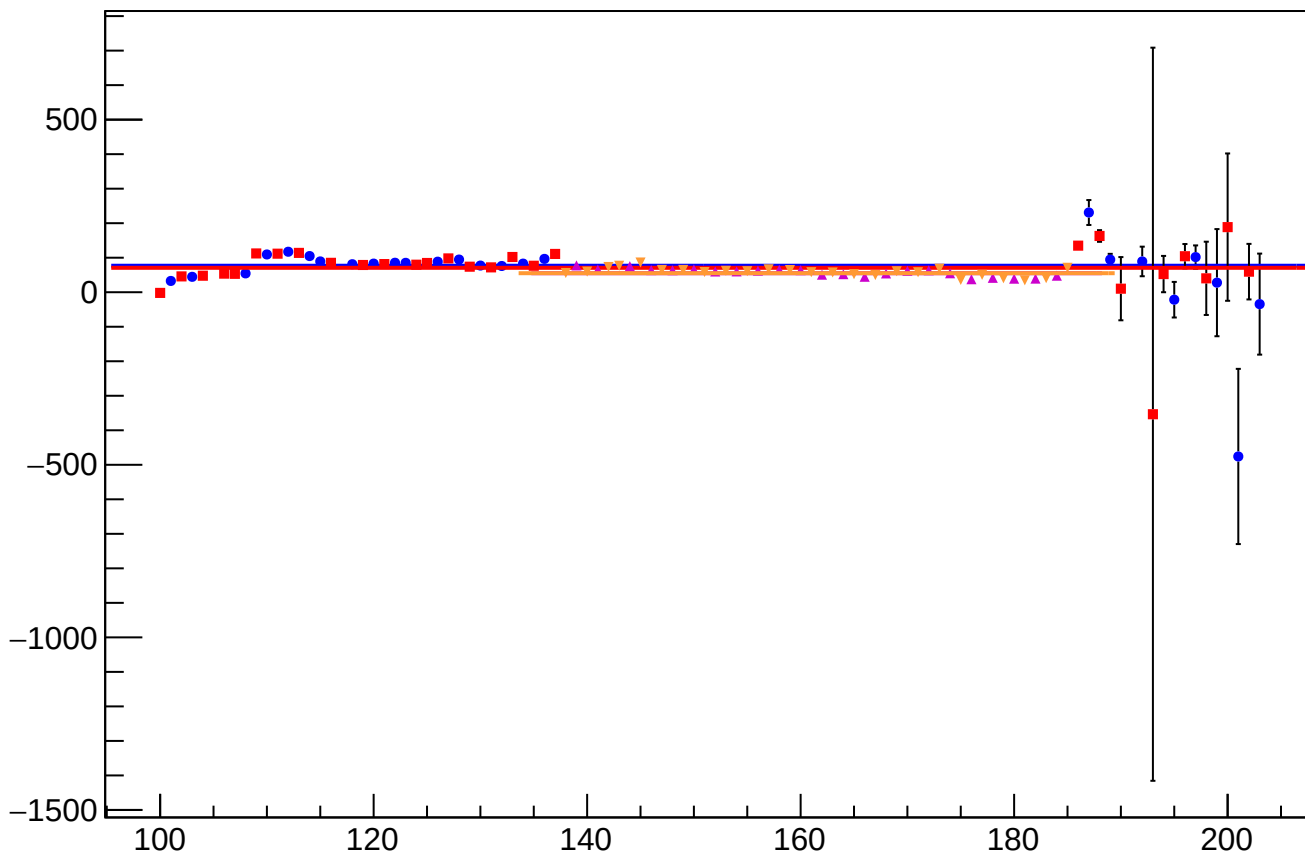
Left In: -0.795 $\pm$ 0.151 χ^2 /NDF: 1106.3/22

+ sign -0.057 $\pm$ 0.133 χ^2 /NDF: 1691.5/49

All: -0.025 $\pm$ 0.095 χ^2 /NDF: 3241.4/100

- sign 0.009 $\pm$ 0.136 χ^2 /NDF: 1549.8/50

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.727 ± 0.577 $\chi^2/\text{NDF}: 2293.9/24$

Left Out: 55.111 ± 0.192 $\chi^2/\text{NDF}: 4560.2/24$

Right Out: 70.755 ± 0.549 $\chi^2/\text{NDF}: 4491.2/27$

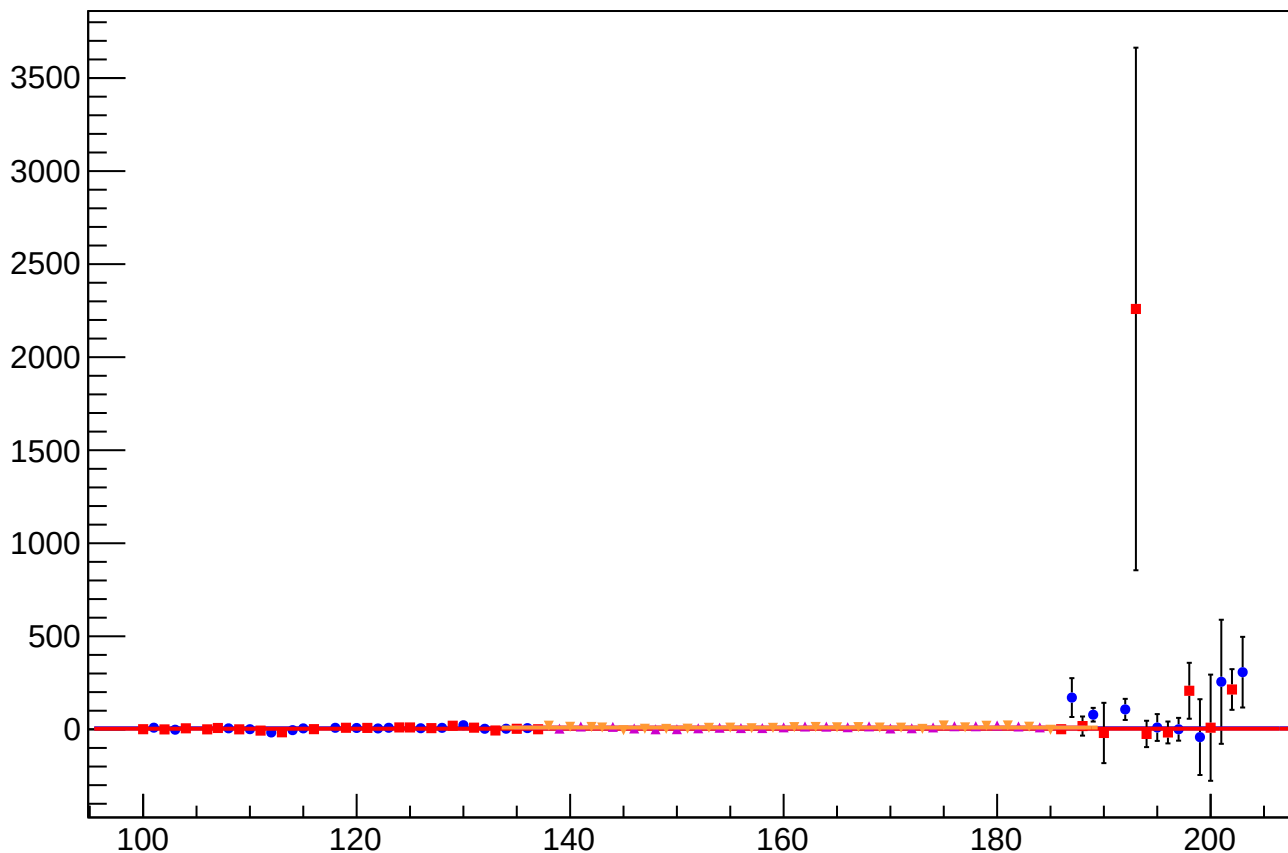
Left In: 55.094 ± 0.194 $\chi^2/\text{NDF}: 3664.6/22$

+ sign 57.260 ± 0.182 $\chi^2/\text{NDF}: 8119.7/49$

All: 57.045 ± 0.129 $\chi^2/\text{NDF}: 17002.8/100$

- sign 56.828 ± 0.183 $\chi^2/\text{NDF}: 8880.3/50$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.443 ± 0.361 χ^2/NDF : 397.0/24

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.282 ± 0.365 χ^2/NDF : 433.6/27

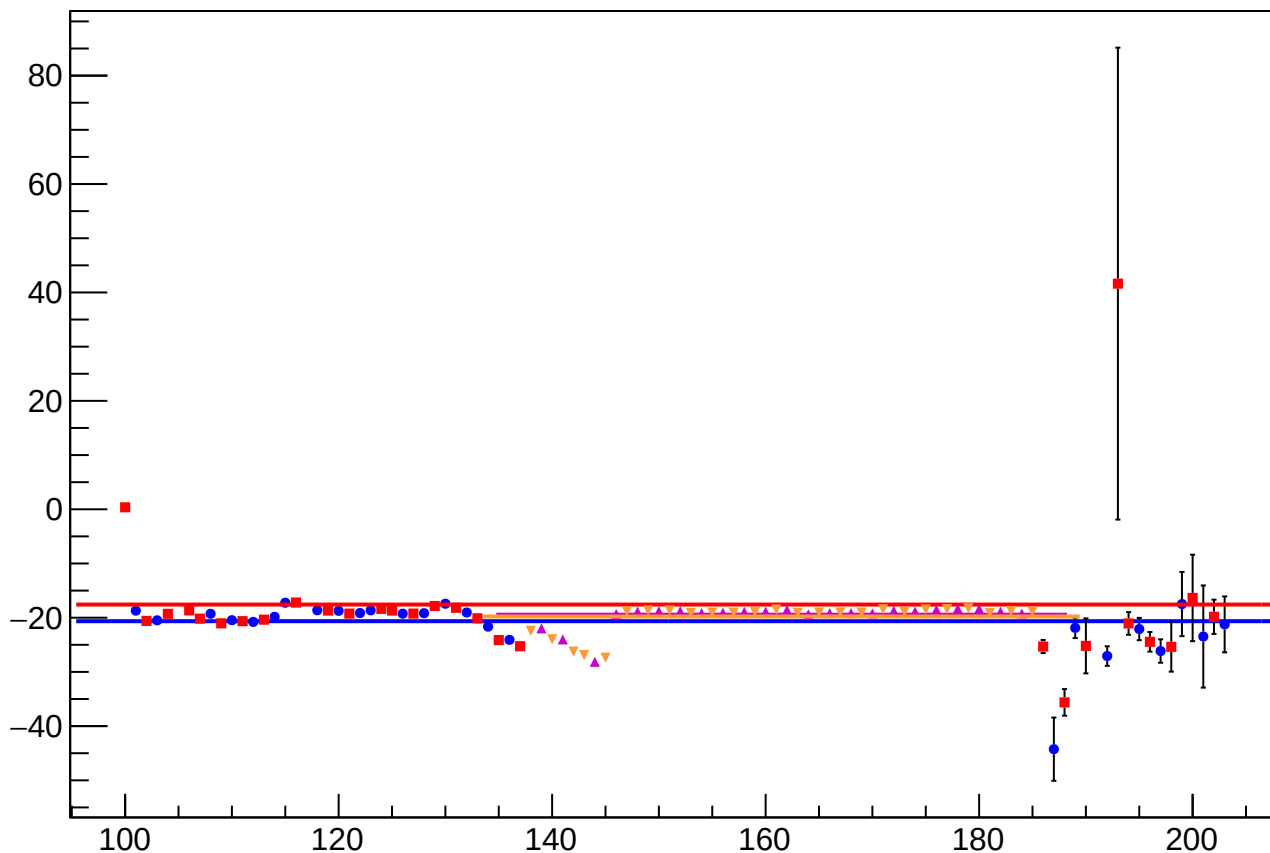
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1951.4/49

All: 8.750 ± 0.109 χ^2/NDF : 3834.3/100

- sign 8.570 ± 0.155 χ^2/NDF : 1880.3/50

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 $\chi^2/\text{NDF}: 12499.6/24$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.575 ± 0.018 $\chi^2/\text{NDF}: 178438.2/27$

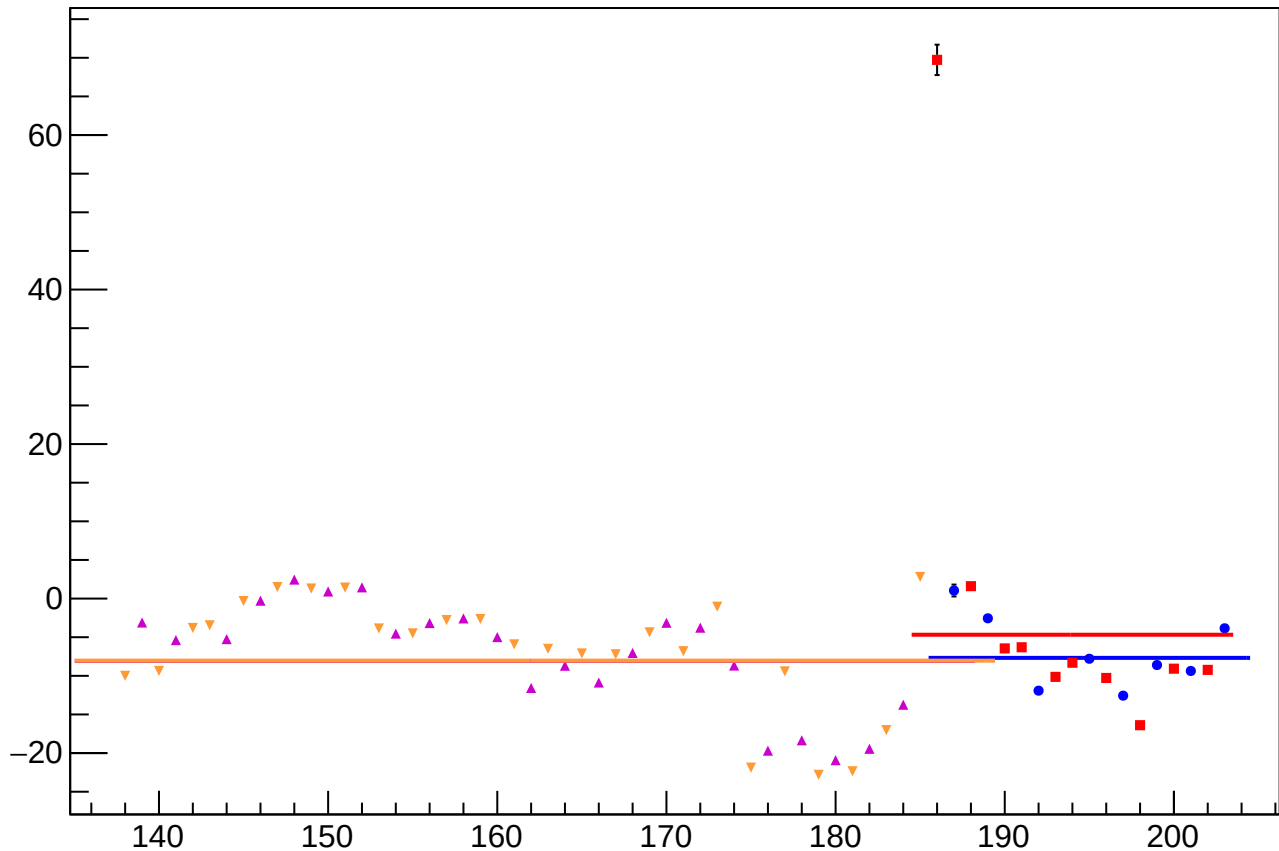
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105749.2/49$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351713.3/100$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240552.2/50$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -7.674 ± 0.147 χ^2/NDF : 728.9/7

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -4.680 ± 0.119 χ^2/NDF : 3897.3/9

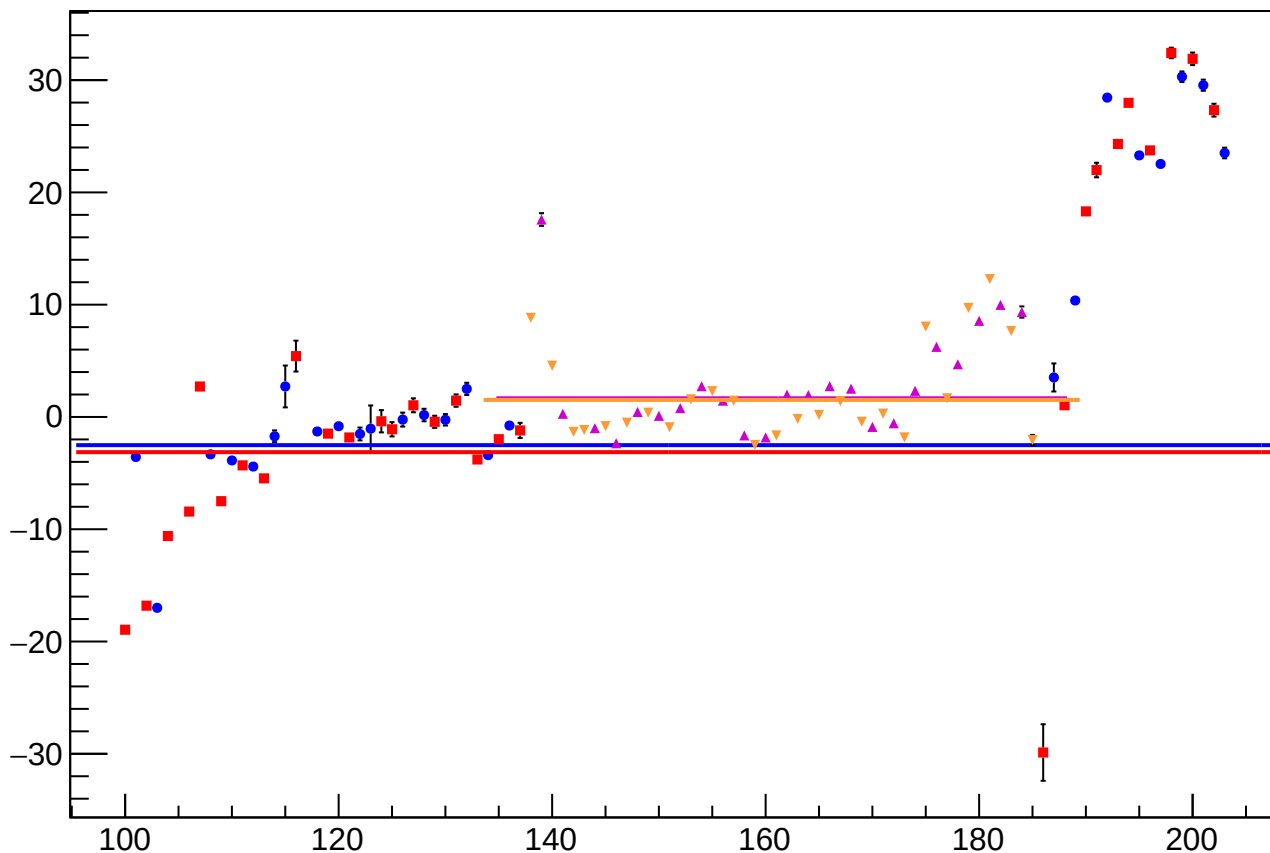
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -7.967 ± 0.063 χ^2/NDF : 13301.8/32

All: -7.554 ± 0.044 χ^2/NDF : 28422.4/65

- sign -7.165 ± 0.061 χ^2/NDF : 15038.3/32

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -2.511+/-0.052 χ^2/NDF : 38893.7/24

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -3.134 ± 0.054 χ^2/NDF : 48727.1/28

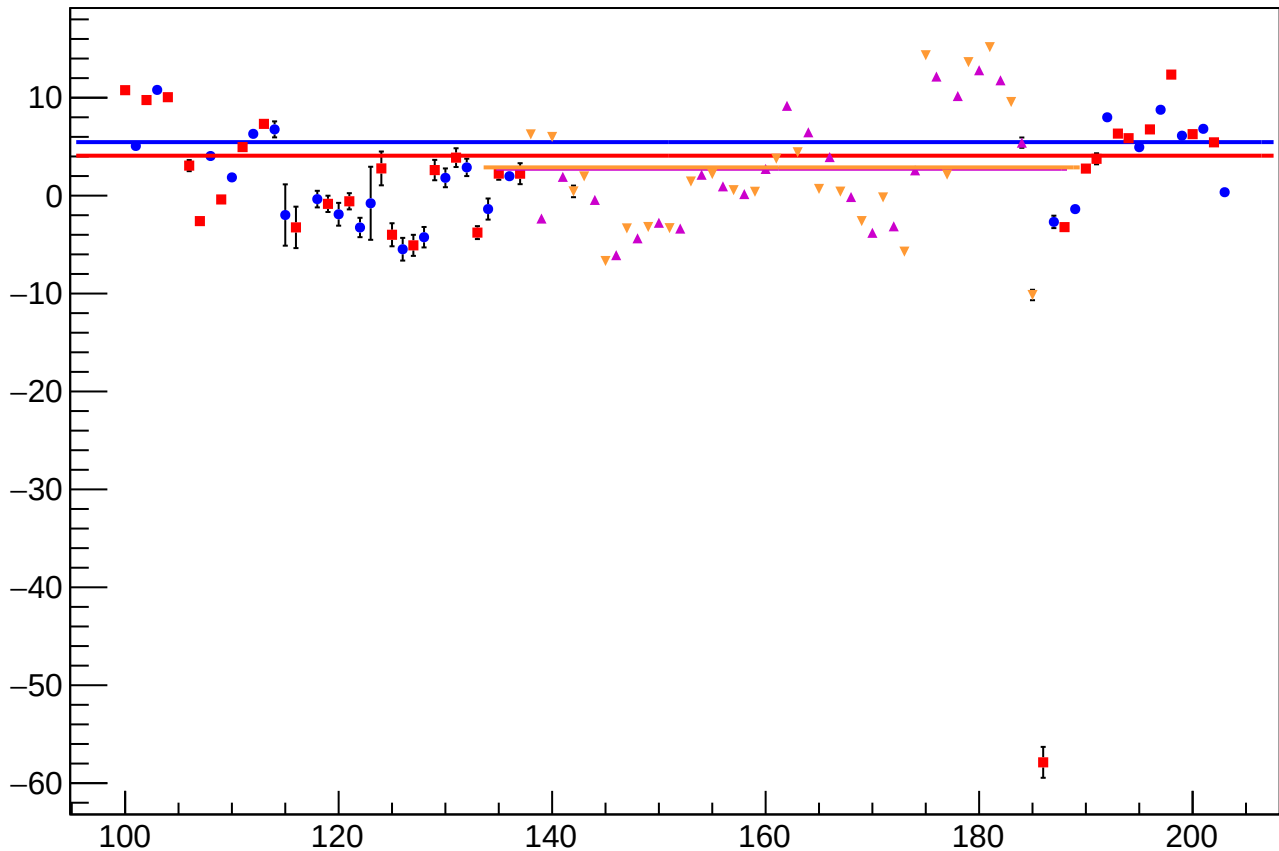
Left In: 1.662+/-0.057 χ^2/NDF :4034.2/22

+ sign -0.585 $\pm$ -0.038 χ^2 /NDF: 46608.6/49

All: -0.701 ± 0.027 χ^2/NDF : 103121.5/101

- sign -0.828+/-0.039 χ^2/NDF : 56492.9/51

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.465 ± 0.074 χ^2/NDF : 2374.0/24

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 4.079 ± 0.069 χ^2/NDF : 7630.5/28

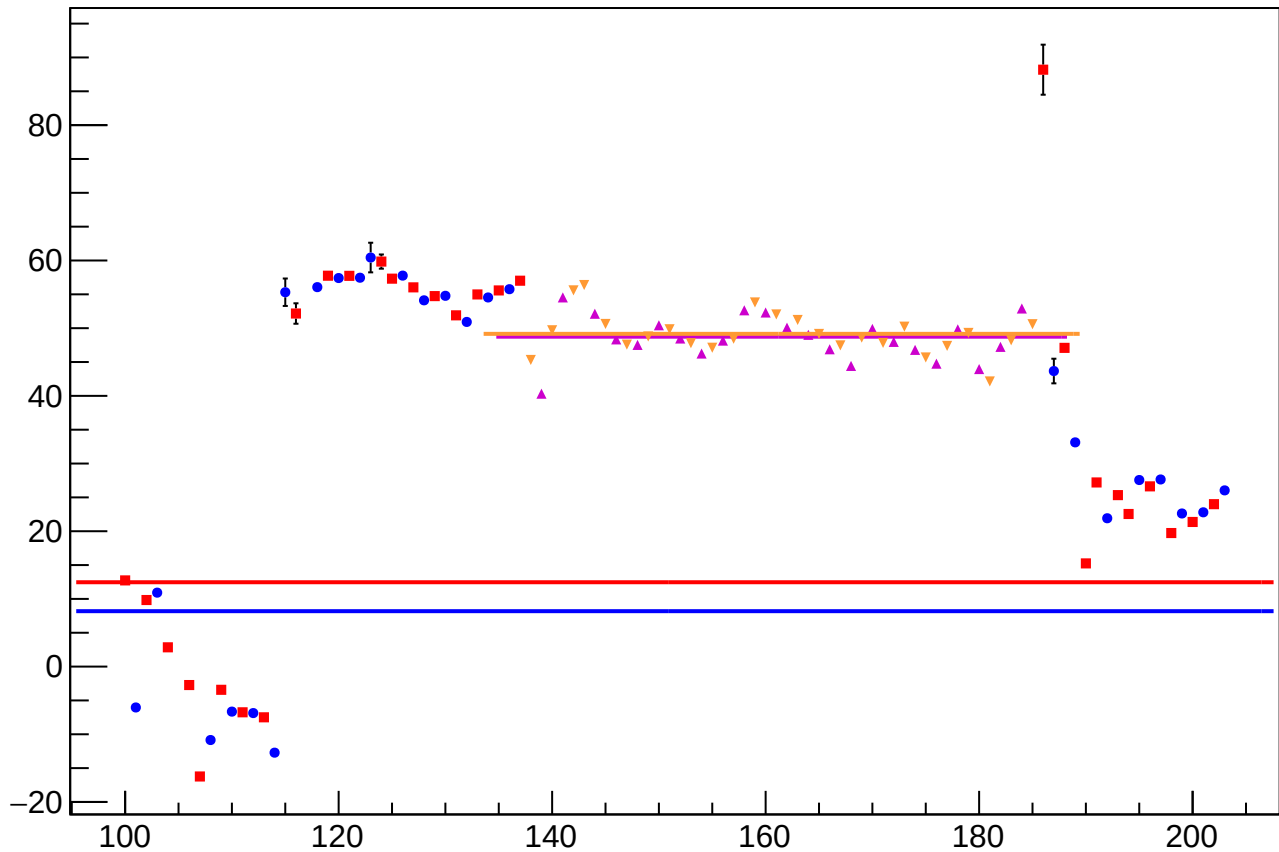
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 4.108 ± 0.051 χ^2/NDF : 11906.8/49

All: 3.763 ± 0.036 χ^2/NDF : 26990.2/101

- sign 3.437 ± 0.050 χ^2/NDF : 14994.4/51

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 8.188 ± 0.062 χ^2/NDF : 130164.3/24

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 12.462 ± 0.065 χ^2/NDF : 134000.4/28

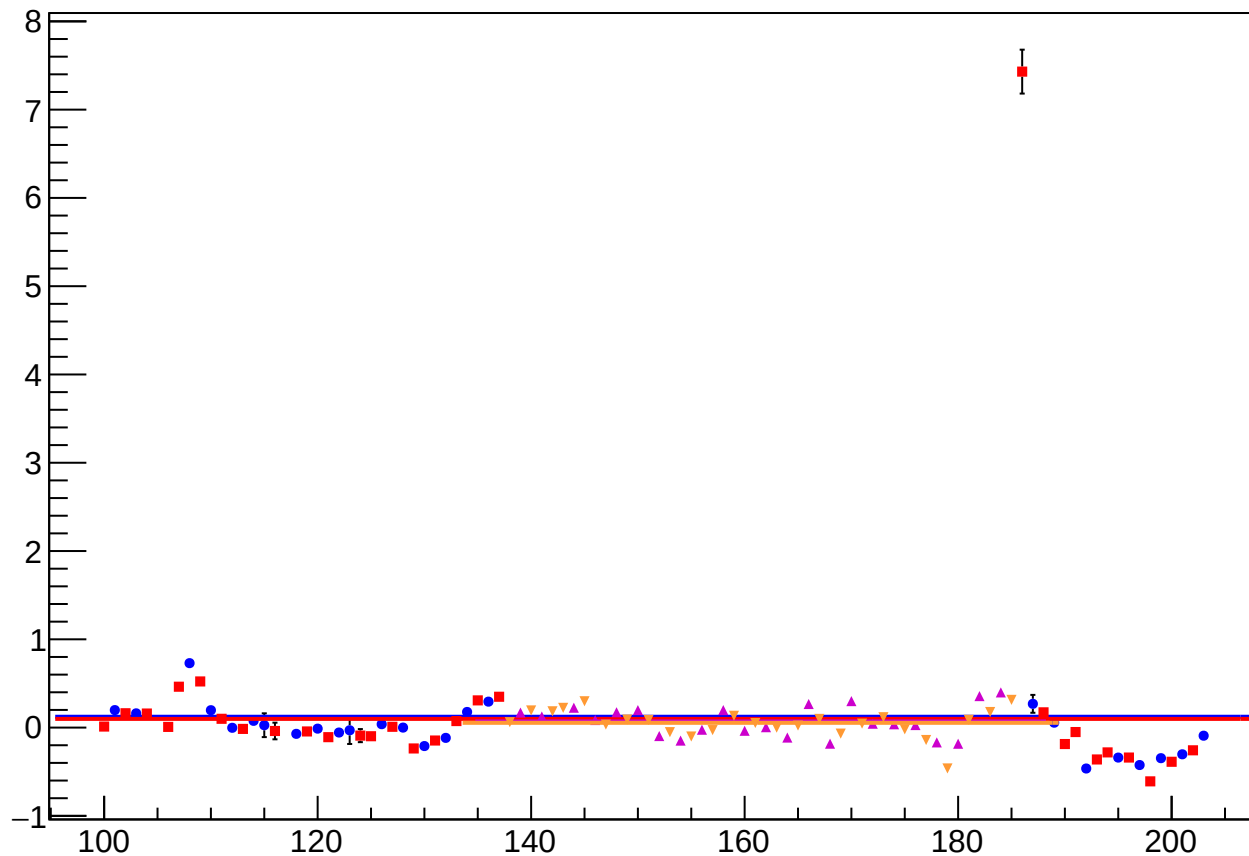
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.599 ± 0.044 χ^2/NDF : 353475.8/49

All: 29.706 ± 0.031 χ^2/NDF : 650027.8/101

- sign 30.913 ± 0.045 χ^2/NDF : 295202.5/51

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.123 ± 0.003 χ^2/NDF : 10946.6/24

Left Out: 0.054 ± 0.003 χ^2/NDF : 2379.8/24

Right Out: 0.098 ± 0.002 χ^2/NDF : 10572.0/28

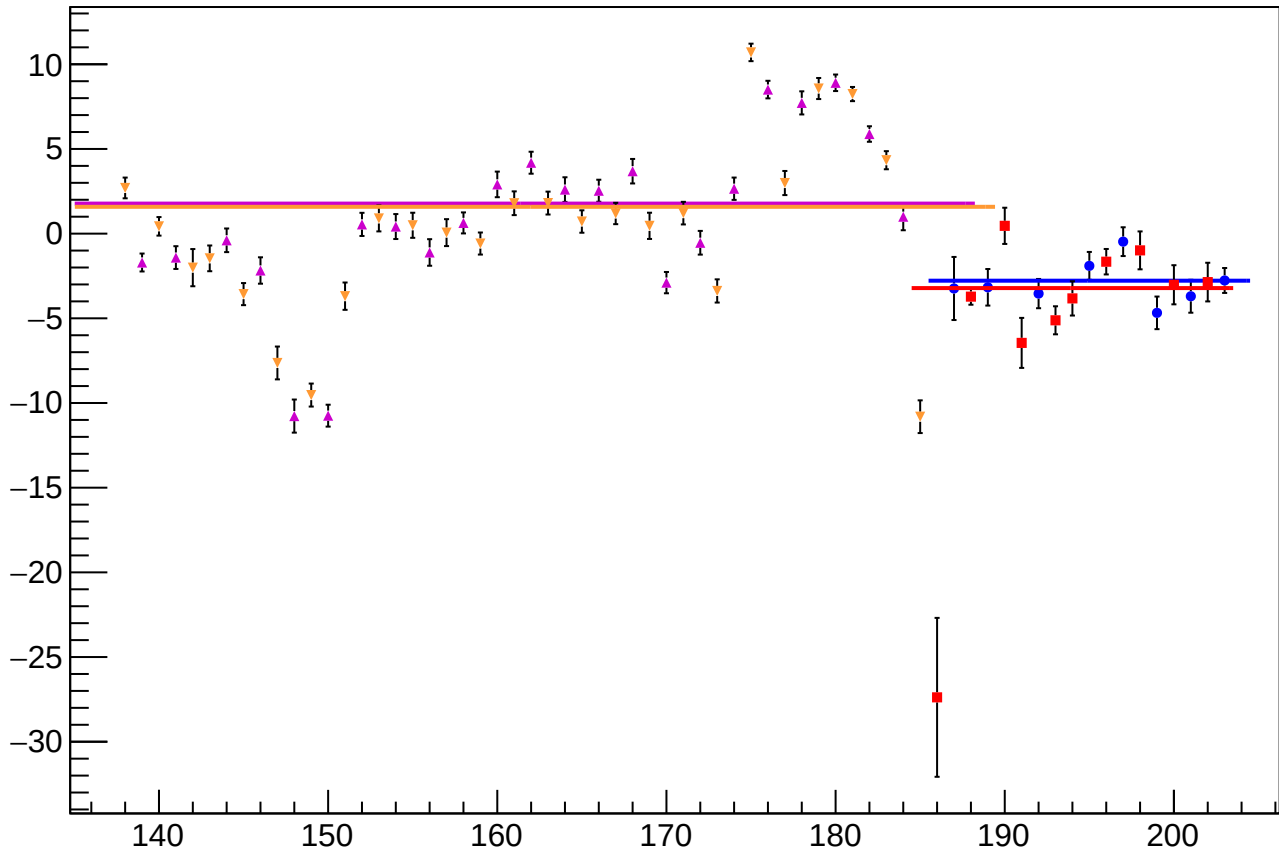
Left In: 0.070 ± 0.003 χ^2/NDF : 3233.8/22

+ sign 0.092 ± 0.002 χ^2/NDF : 13656.7/49

All: 0.090 ± 0.001 χ^2/NDF : 27523.3/101

- sign 0.087 ± 0.002 χ^2/NDF : 13862.1/51

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.779 ± 0.327 χ^2/NDF : 14.2/7

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.215 ± 0.285 χ^2/NDF : 58.3/9

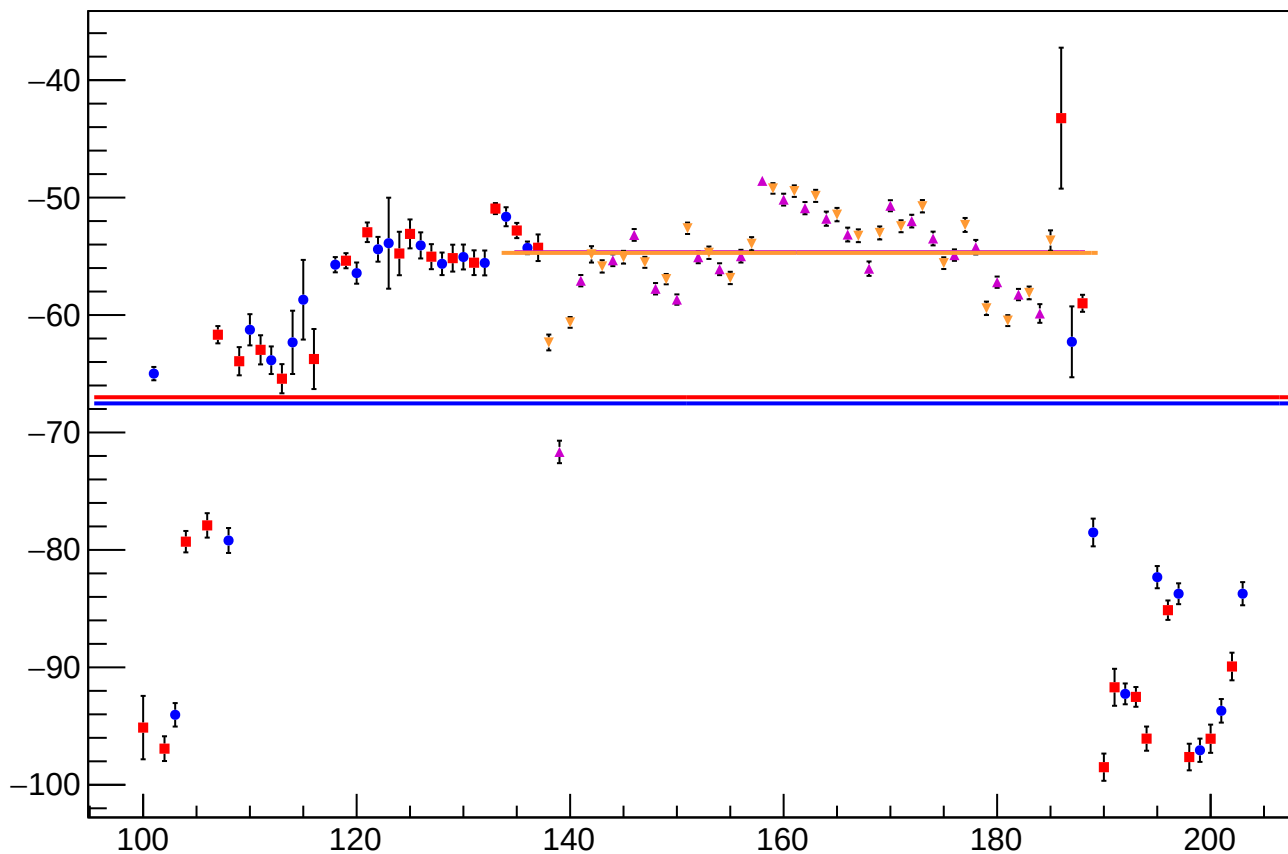
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.968 ± 0.123 χ^2/NDF : 1625.7/32

All: 0.913 ± 0.087 χ^2/NDF : 3231.6/65

- sign 0.858 ± 0.122 χ^2/NDF : 1605.5/32

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -67.525 ± 0.192 χ^2/NDF : 6374.3/24

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -67.000 ± 0.179 χ^2/NDF : 9211.3/28

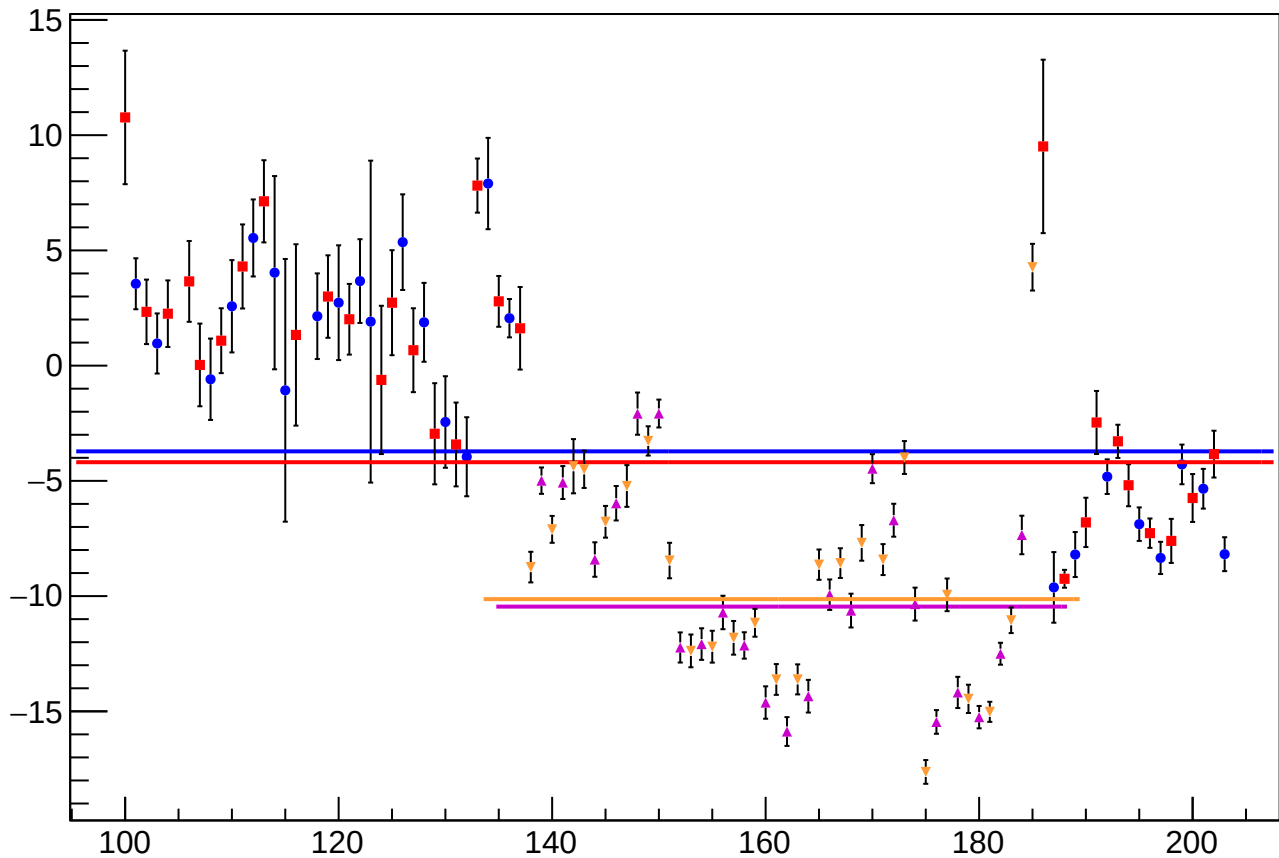
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -57.698 ± 0.093 χ^2/NDF : 10931.7/49

All: -57.864 ± 0.066 χ^2/NDF : 24694.1/101

- sign -58.034 ± 0.094 χ^2/NDF : 13755.9/51

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -3.720 ± 0.237 χ^2/NDF : 391.7/24

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -4.191 ± 0.207 χ^2/NDF : 610.0/28

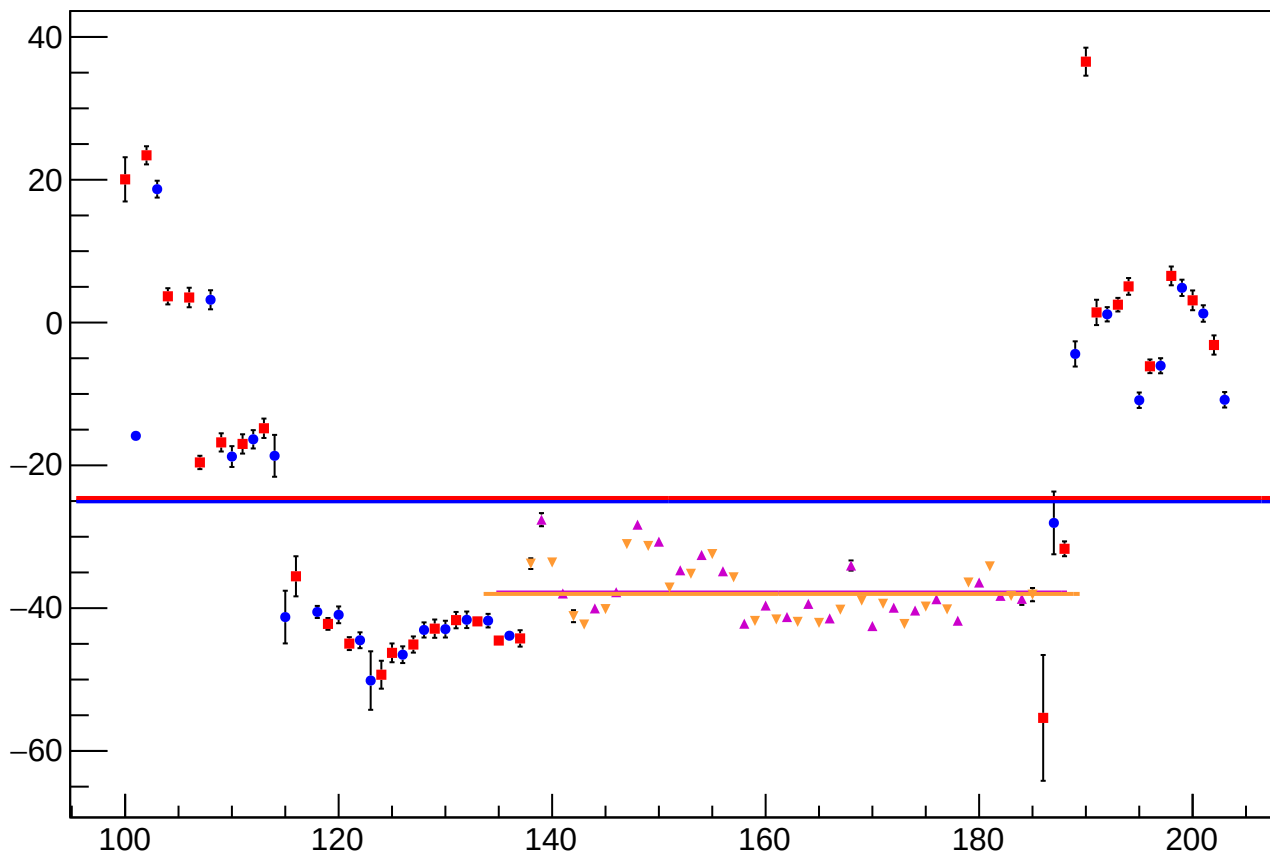
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.600 ± 0.116 χ^2/NDF : 2003.8/49

All: -8.596 ± 0.081 χ^2/NDF : 4260.5/101

- sign -8.592 ± 0.113 χ^2/NDF : 2256.8/51

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -25.039 $\pm$ 0.220 χ^2/NDF : 8222.9/24

Left Out: -38.006 $\pm$ 0.119 χ^2/NDF : 946.0/24

Right Out: -24.570 $\pm$ 0.209 χ^2/NDF : 11368.7/28

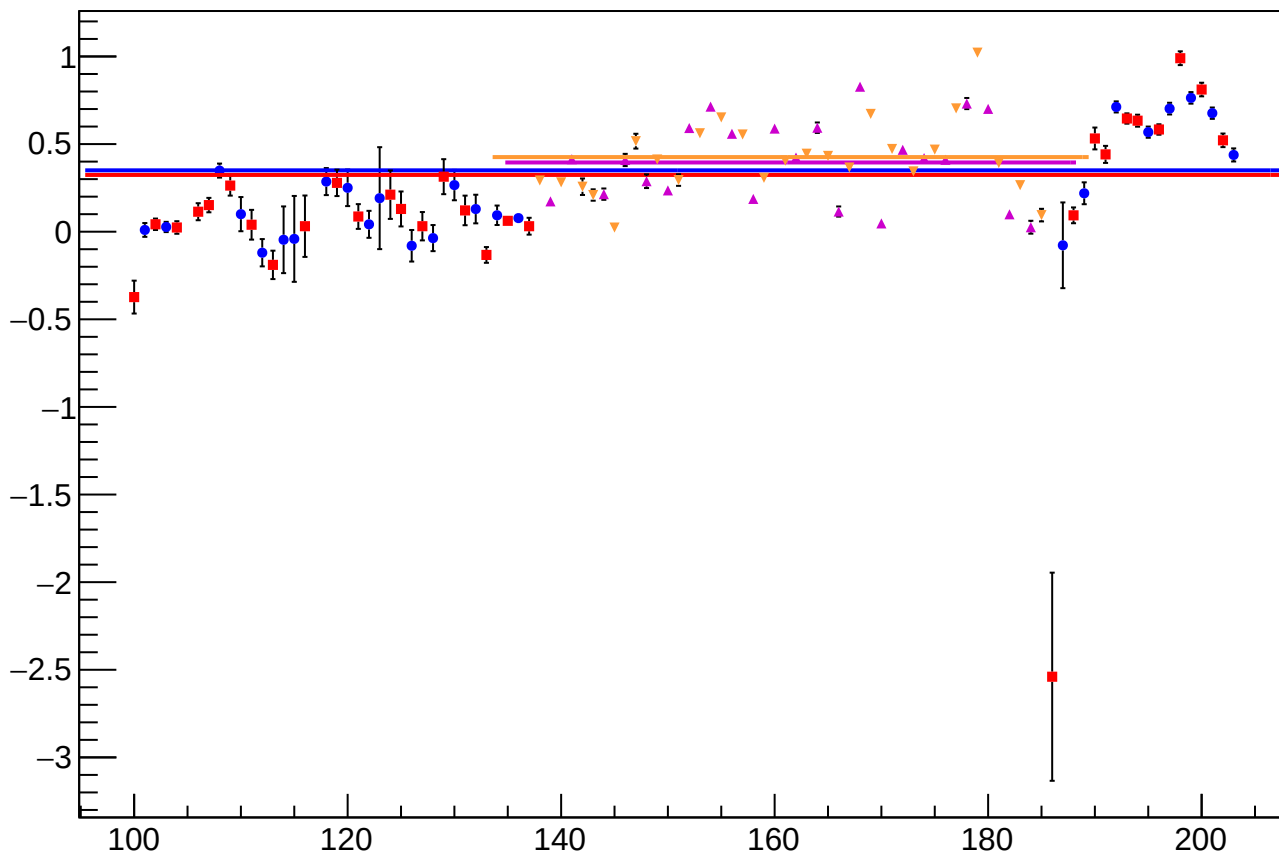
Left In: -37.809 $\pm$ 0.122 χ^2/NDF : 1039.9/22

+ sign -35.073 $\pm$ 0.104 χ^2/NDF : 11866.5/49

All: -34.759 $\pm$ 0.074 χ^2/NDF : 27277.2/101

- sign -34.438 $\pm$ 0.106 χ^2/NDF : 15392.5/51

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.350 ± 0.009 χ^2/NDF : 1055.1/24

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.324 ± 0.009 χ^2/NDF : 1376.3/28

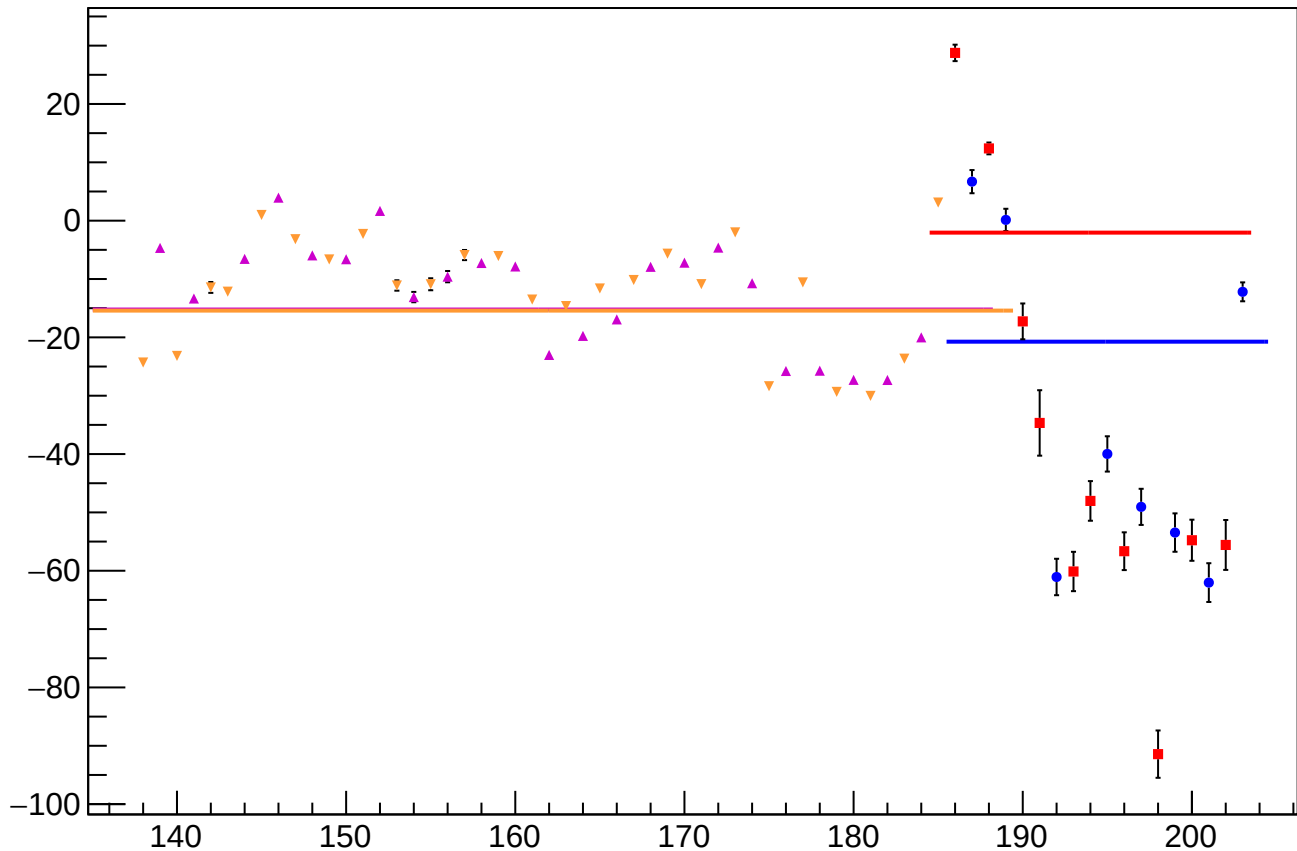
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.406 ± 0.005 χ^2/NDF : 2409.3/49

All: 0.391 ± 0.003 χ^2/NDF : 5654.0/101

- sign 0.375 ± 0.005 χ^2/NDF : 3222.1/51

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -20.739 ± 0.842 $\chi^2/\text{NDF}: 882.7/7$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: -2.048 ± 0.693 $\chi^2/\text{NDF}: 2370.4/9$

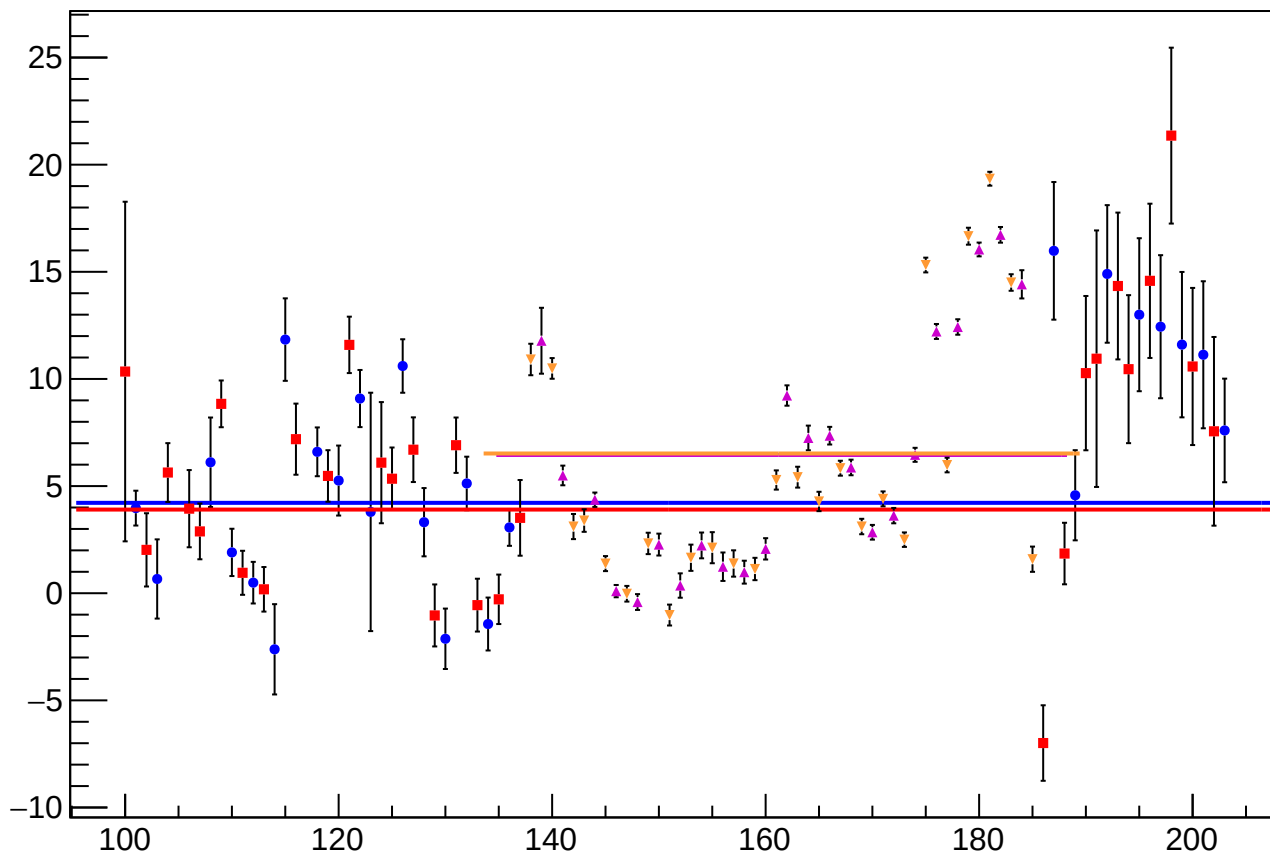
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.494 ± 0.104 $\chi^2/\text{NDF}: 11431.1/32$

All: -15.212 ± 0.074 $\chi^2/\text{NDF}: 22827.1/65$

- sign -14.924 ± 0.105 $\chi^2/\text{NDF}: 11381.2/32$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.218 ± 0.298 $\chi^2/\text{NDF}: 185.4/24$

Left Out: 6.521 ± 0.085 $\chi^2/\text{NDF}: 4985.2/24$

Right Out: 3.904 ± 0.297 $\chi^2/\text{NDF}: 222.2/28$

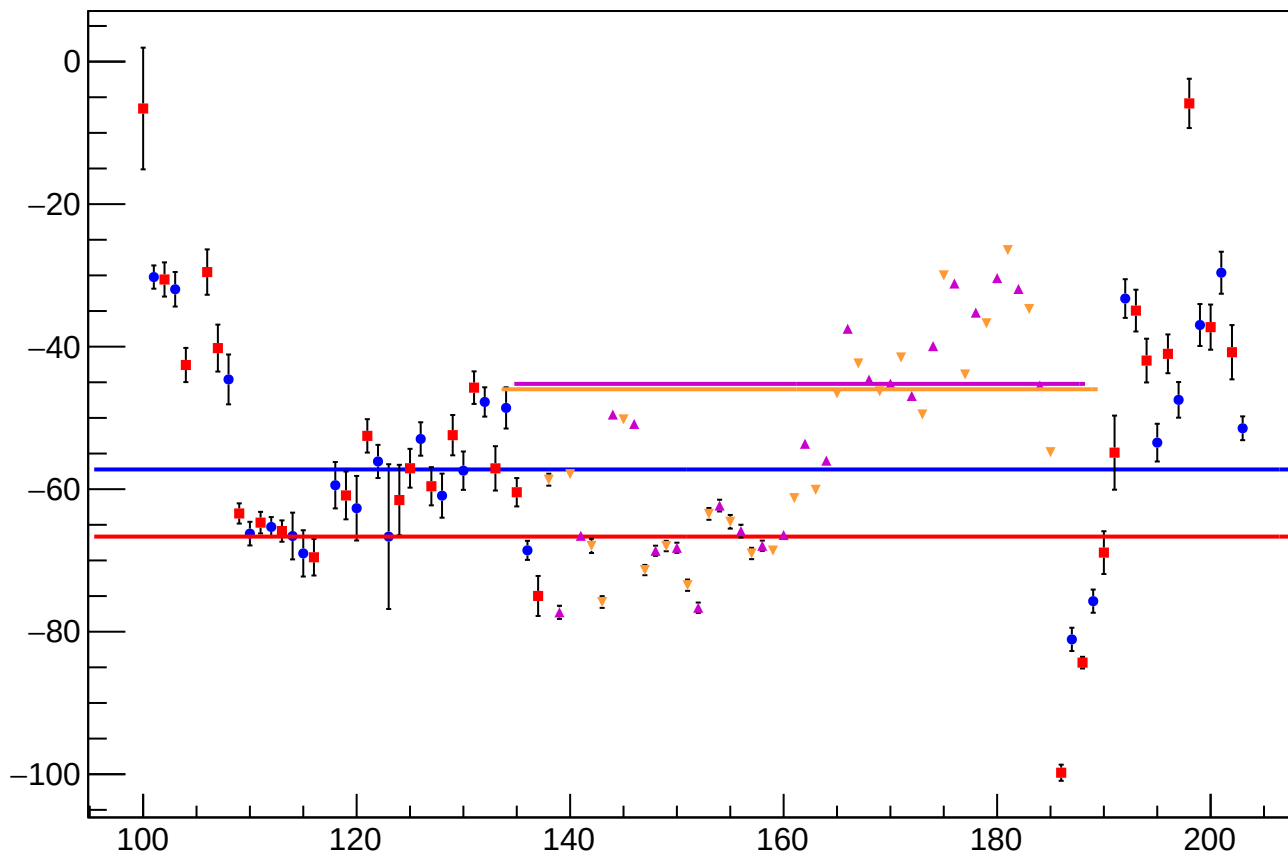
Left In: 6.452 ± 0.086 $\chi^2/\text{NDF}: 3948.0/22$

+ sign 6.346 ± 0.082 $\chi^2/\text{NDF}: 5225.8/49$

All: 6.301 ± 0.058 $\chi^2/\text{NDF}: 9464.5/101$

- sign 6.255 ± 0.083 $\chi^2/\text{NDF}: 4238.0/51$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -57.232 ± 0.440 $\chi^2/\text{NDF}: 1174.8/24$

Left Out: -45.982 ± 0.106 $\chi^2/\text{NDF}: 17360.1/24$

Right Out: -66.653 ± 0.392 $\chi^2/\text{NDF}: 2824.6/28$

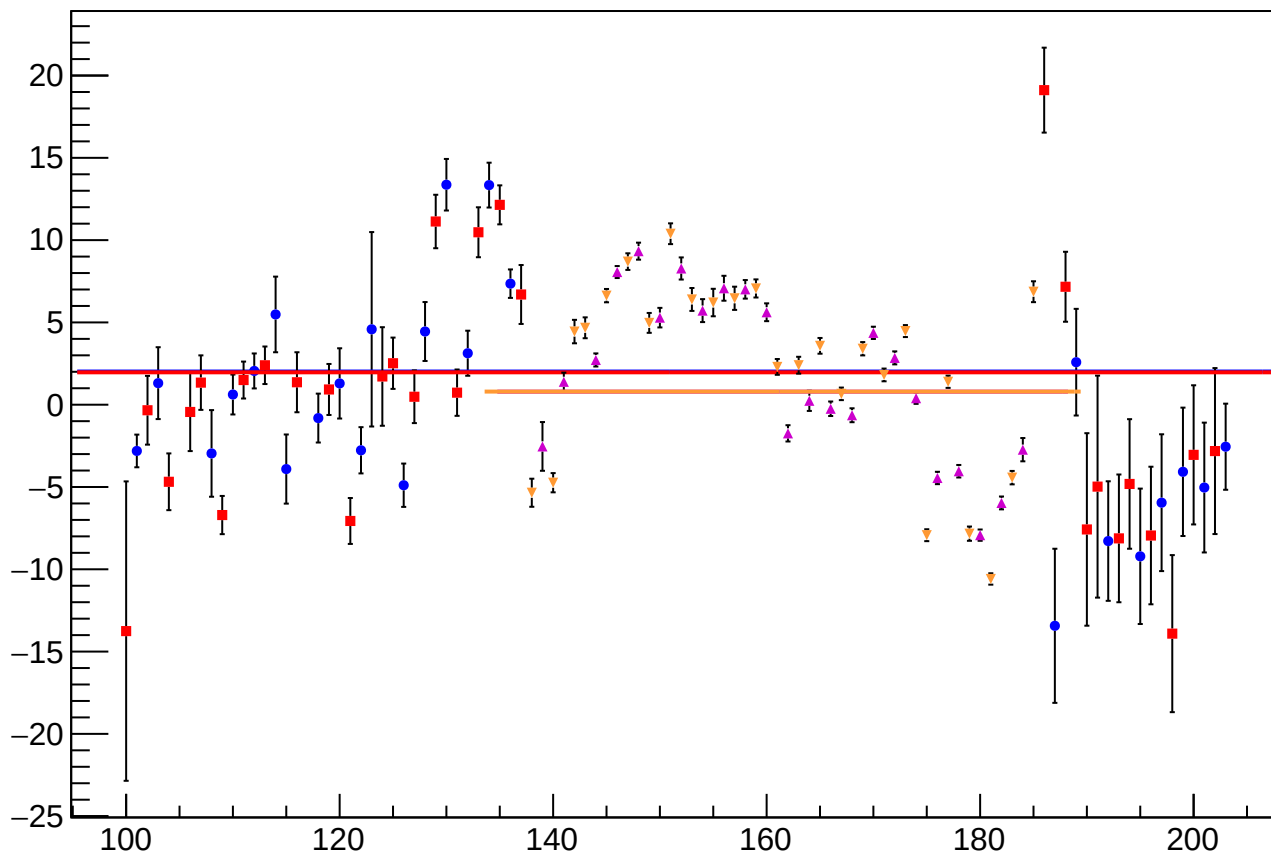
Left In: -45.222 ± 0.107 $\chi^2/\text{NDF}: 15600.2/22$

+ sign -46.601 ± 0.103 $\chi^2/\text{NDF}: 19151.6/49$

All: -46.657 ± 0.073 $\chi^2/\text{NDF}: 40357.3/101$

- sign -46.713 ± 0.103 $\chi^2/\text{NDF}: 21205.2/51$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.016 ± 0.336 χ^2/NDF : 283.0/24

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 1.968 ± 0.340 χ^2/NDF : 347.2/28

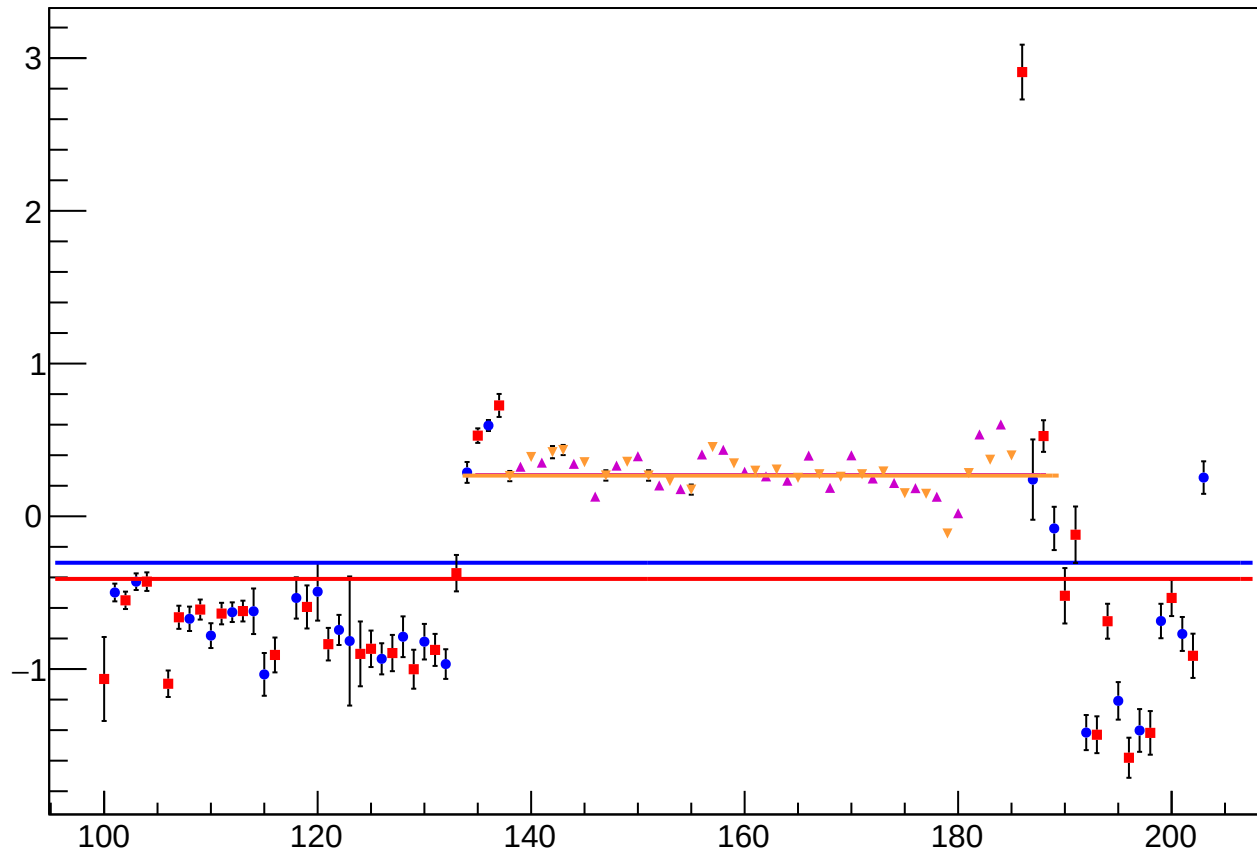
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.889 ± 0.092 χ^2/NDF : 4055.2/49

All: 0.884 ± 0.065 χ^2/NDF : 7105.9/101

- sign 0.880 ± 0.093 χ^2/NDF : 3050.8/51

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.304 ± 0.017 χ^2/NDF : 1243.8/24

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.410 ± 0.017 χ^2/NDF : 1492.0/28

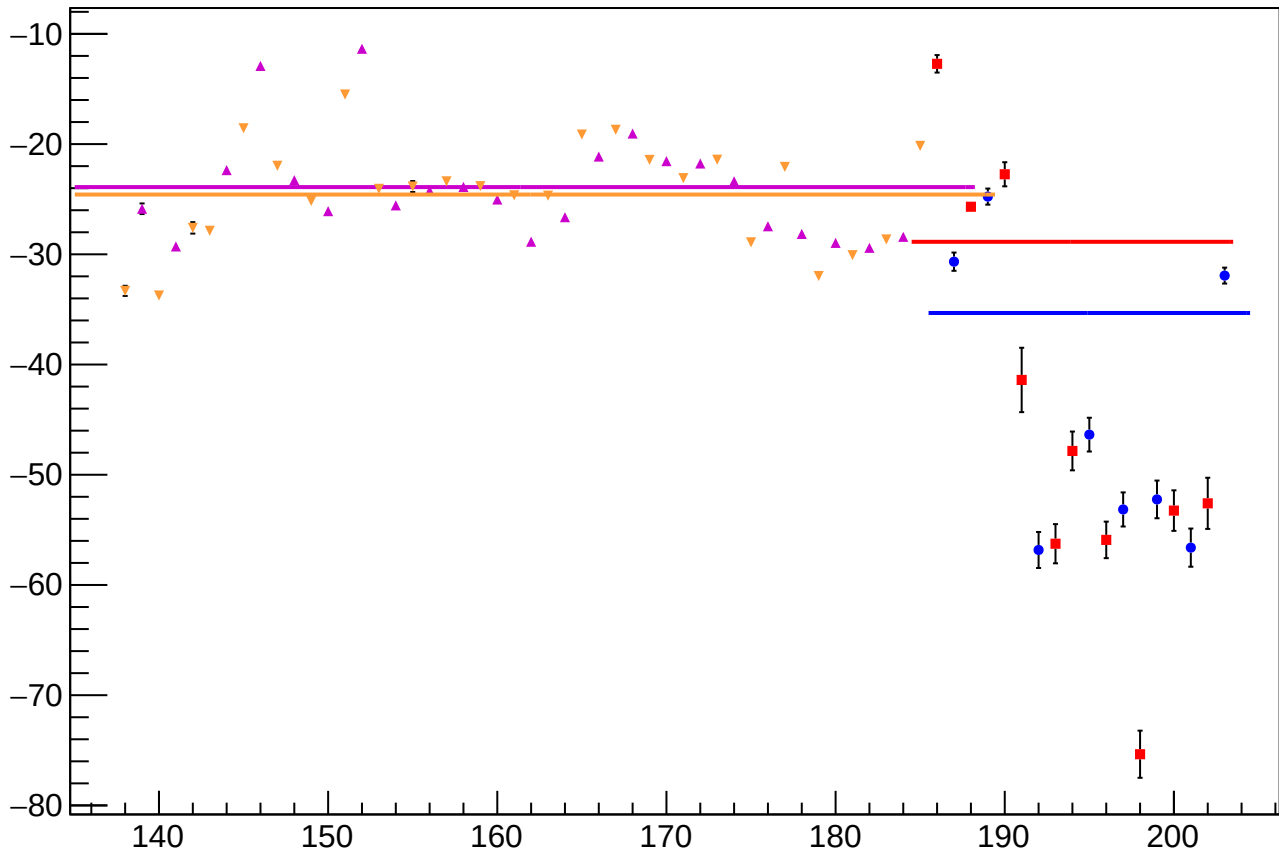
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.233 ± 0.004 χ^2/NDF : 2954.2/49

All: 0.231 ± 0.003 χ^2/NDF : 6860.7/101

- sign 0.229 ± 0.004 χ^2/NDF : 3906.0/51

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -35.322 ± 0.374 χ^2/NDF : 869.8/7

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -28.864 ± 0.322 χ^2/NDF : 1891.2/9

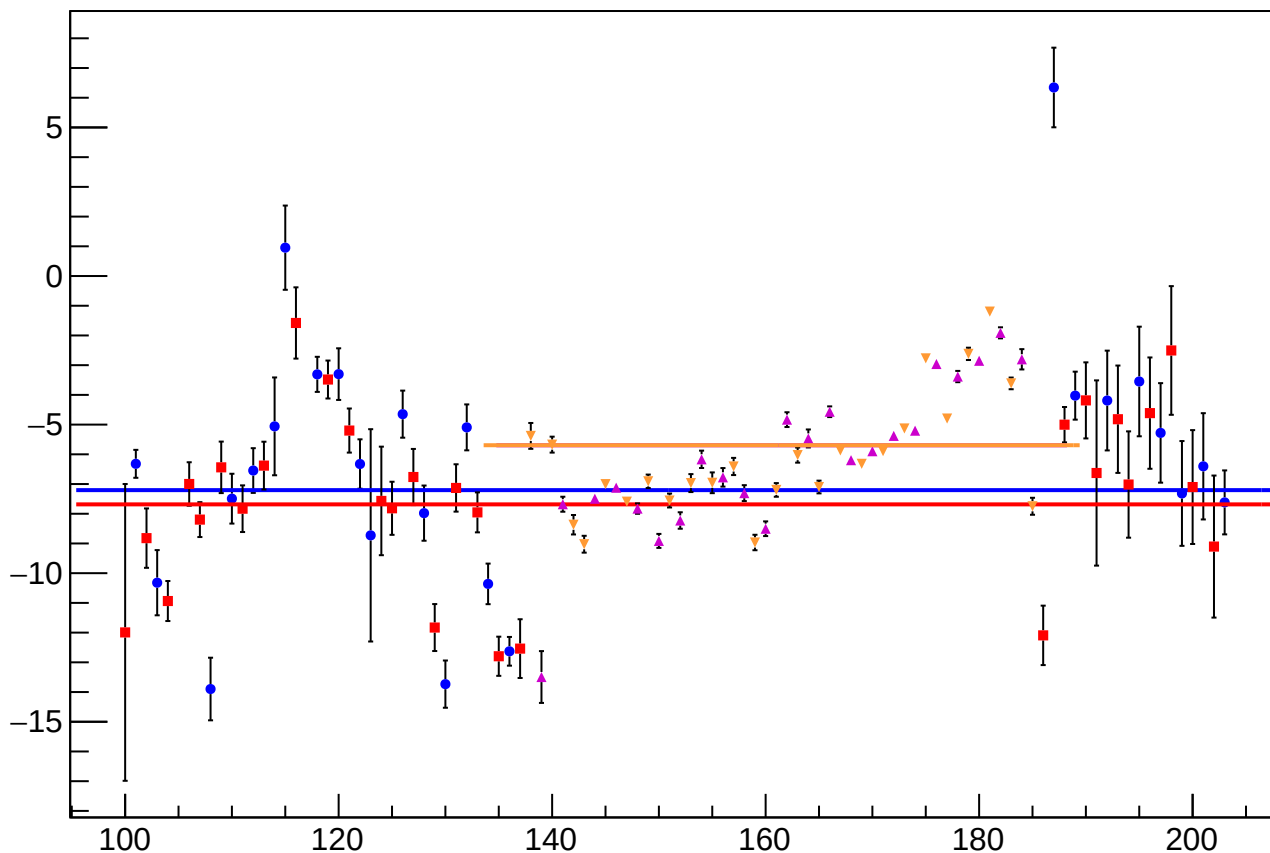
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.773 ± 0.050 χ^2/NDF : 10270.7/32

All: -24.398 ± 0.036 χ^2/NDF : 21658.8/65

- sign -24.023 ± 0.050 χ^2/NDF : 11277.5/32

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.205 ± 0.174 χ^2/NDF : 512.7/24

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.684 ± 0.169 χ^2/NDF : 284.4/28

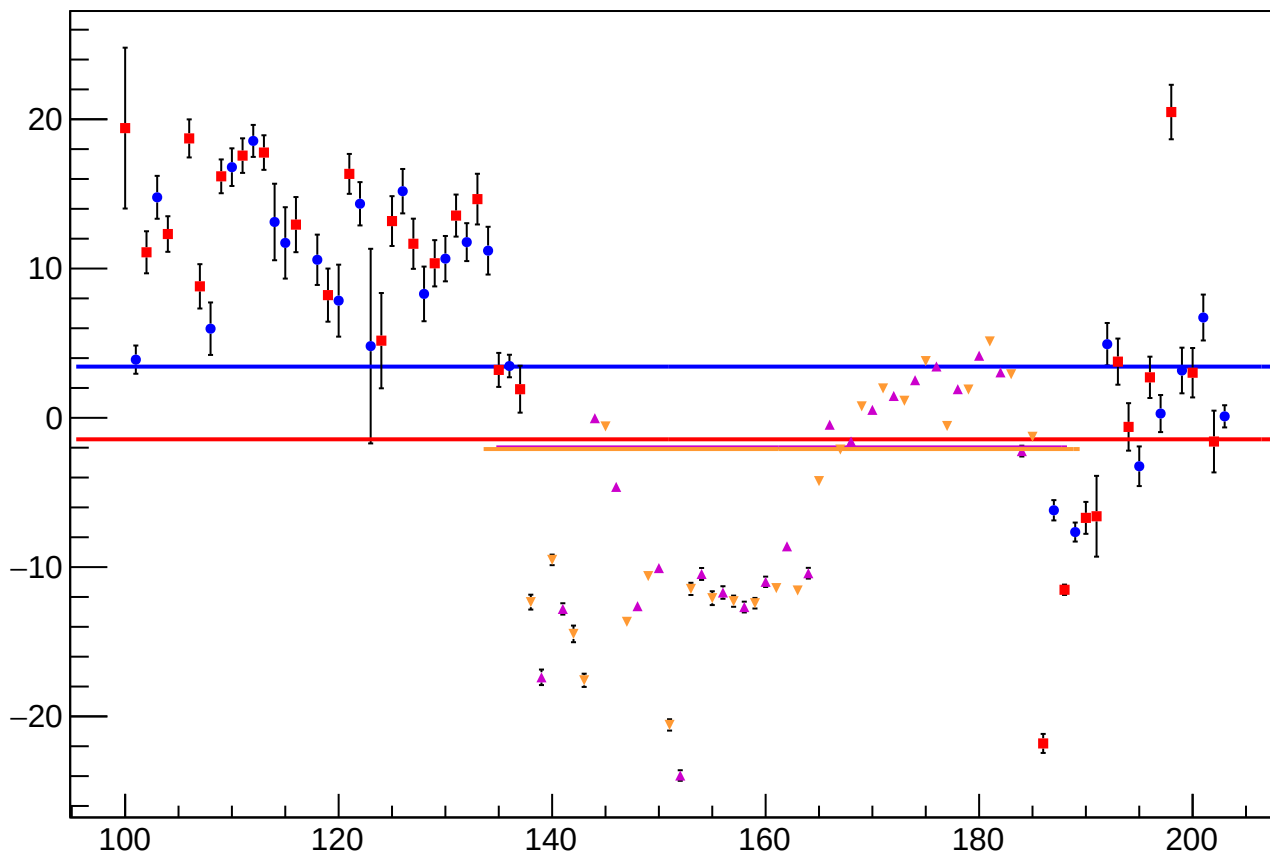
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.774 ± 0.040 χ^2/NDF : 2842.5/49

All: -5.790 ± 0.028 χ^2/NDF : 5567.7/101

- sign -5.806 ± 0.040 χ^2/NDF : 2724.9/51

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 3.431 ± 0.237 $\chi^2/\text{NDF}: 1200.1/24$

Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$

Right Out: -1.439 ± 0.208 $\chi^2/\text{NDF}: 4073.0/28$

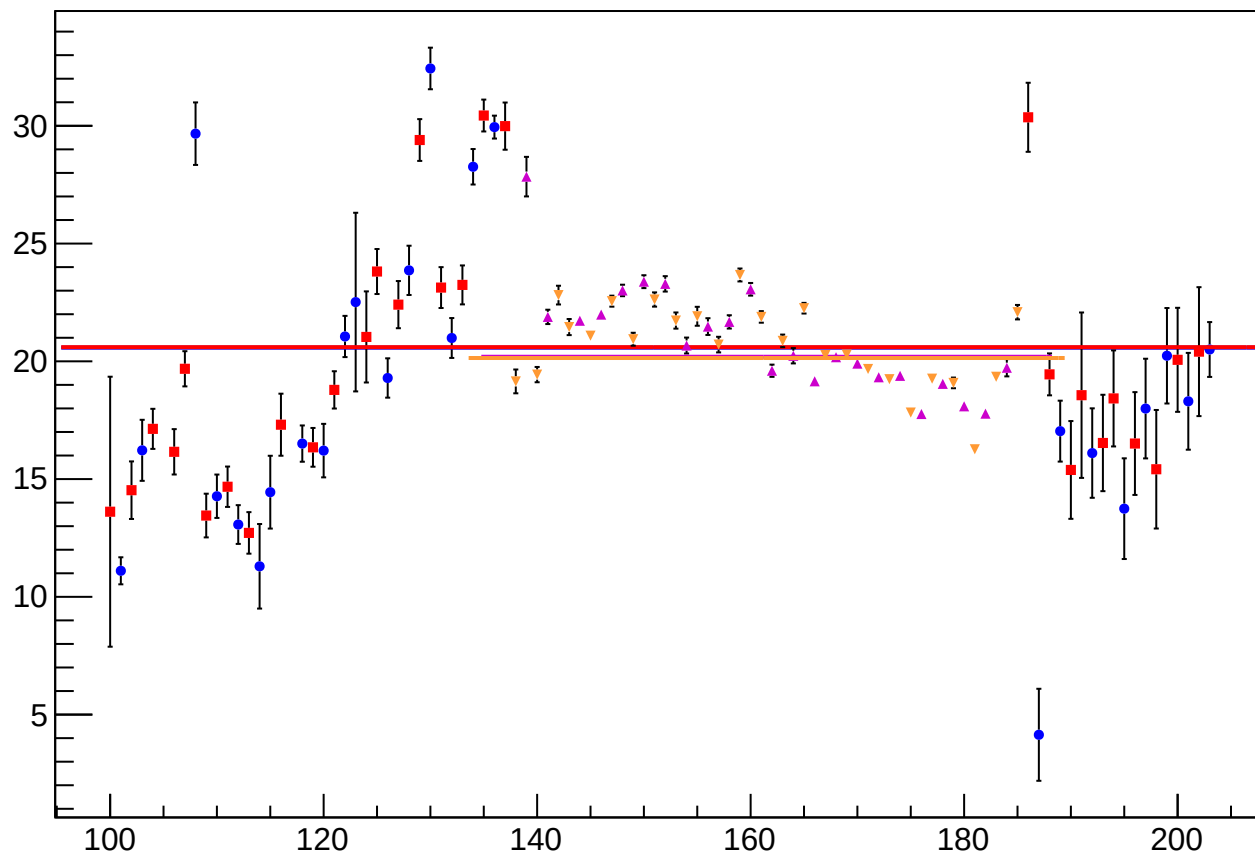
Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

+ sign -1.845 ± 0.050 $\chi^2/\text{NDF}: 18022.0/49$

All: -1.898 ± 0.035 $\chi^2/\text{NDF}: 37485.9/101$

- sign -1.950 ± 0.050 $\chi^2/\text{NDF}: 19461.7/51$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.580 $\pm$ 0.199 χ^2 /NDF: 1311.1/24

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF:1419.1/24

Right Out: 20.601 $\pm$ 0.199 χ^2 /NDF: 787.4/28

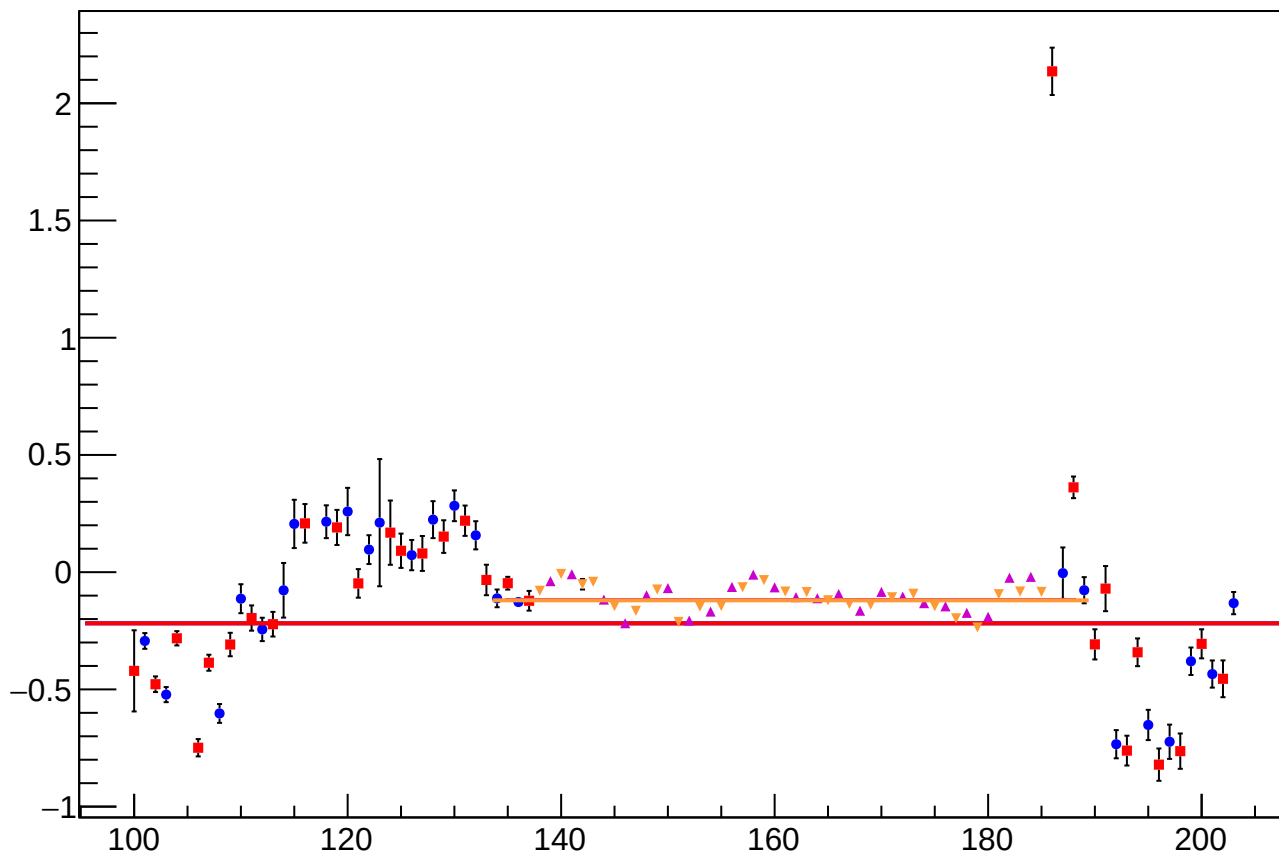
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

+ sign 20.163 $\pm$ 0.045 χ^2 /NDF: 2734.8/49

All: 20.189 $\pm$ 0.032 χ^2 /NDF: 4974.2/101

- sign 20.215 $\pm$ 0.045 χ^2 /NDF: 2238.7/51

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.218 ± 0.010 $\chi^2/\text{NDF}: 675.5/24$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 530.4/24$

Right Out: -0.218 ± 0.010 $\chi^2/\text{NDF}: 1456.7/28$

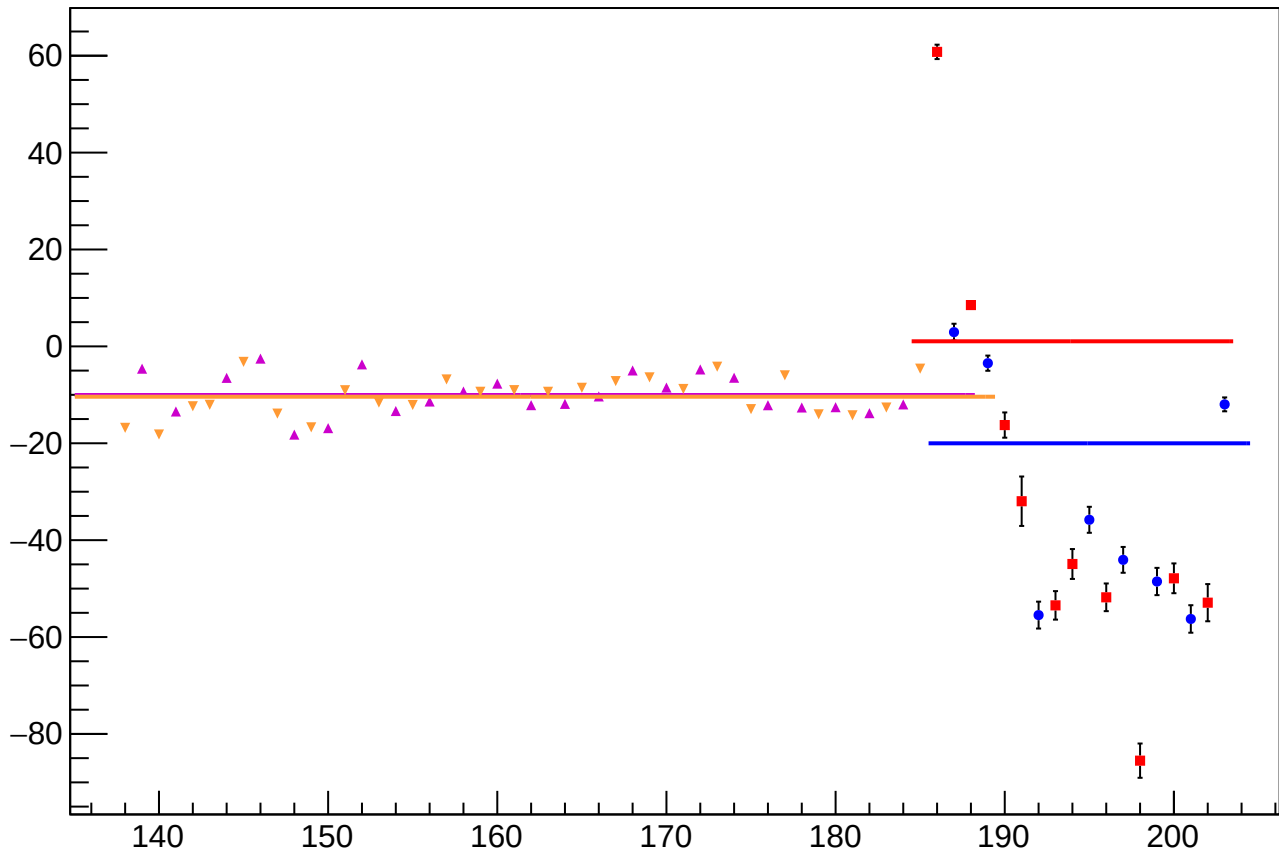
Left In: -0.119 ± 0.002 $\chi^2/\text{NDF}: 721.8/22$

+ sign -0.124 ± 0.002 $\chi^2/\text{NDF}: 1298.7/49$

All: -0.124 ± 0.001 $\chi^2/\text{NDF}: 3577.5/101$

- sign -0.123 ± 0.002 $\chi^2/\text{NDF}: 2278.6/51$

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -20.009 ± 0.728 χ^2/NDF : 863.3/7

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: 1.050 ± 0.621 χ^2/NDF : 3733.7/9

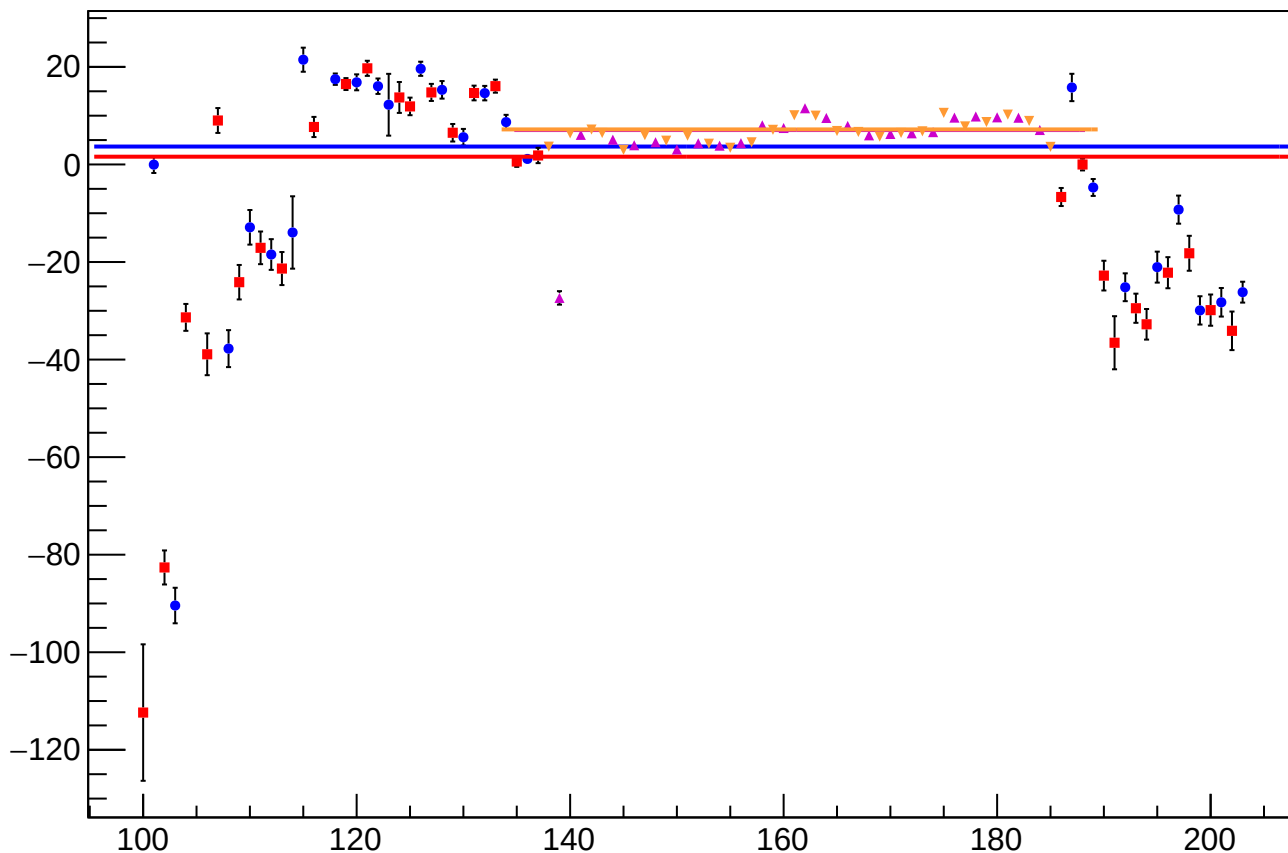
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.529 ± 0.087 χ^2/NDF : 3146.8/32

All: -10.175 ± 0.062 χ^2/NDF : 8984.4/65

- sign -9.810 ± 0.089 χ^2/NDF : 5804.2/32

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 3.672 ± 0.370 χ^2/NDF : 2100.8/24

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 1.592 ± 0.379 χ^2/NDF : 2244.8/28

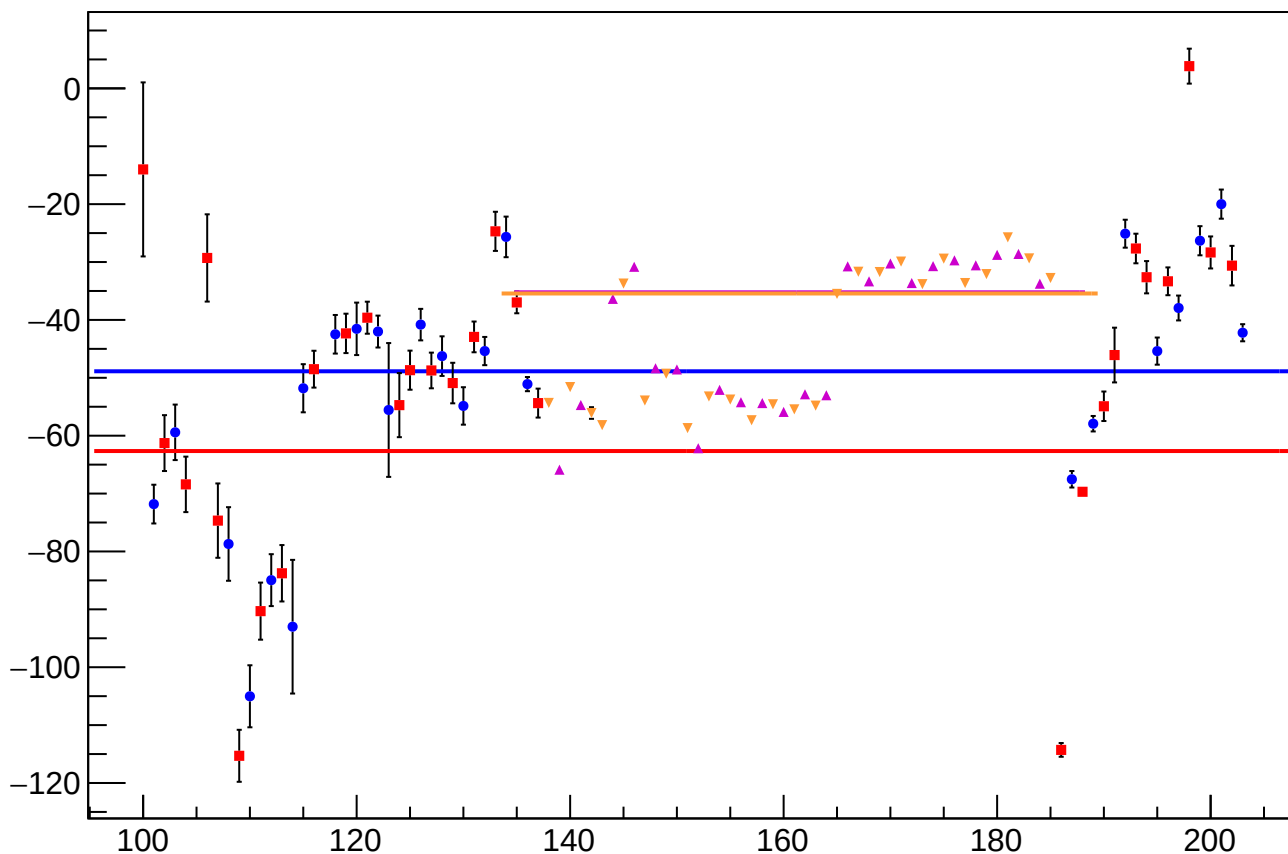
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 7.051 ± 0.072 χ^2/NDF : 3104.6/49

All: 6.952 ± 0.051 χ^2/NDF : 7088.5/101

- sign 6.852 ± 0.073 χ^2/NDF : 3980.1/51

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -48.874 ± 0.487 χ^2/NDF : 913.1/24

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -62.653 ± 0.433 χ^2/NDF : 3970.6/28

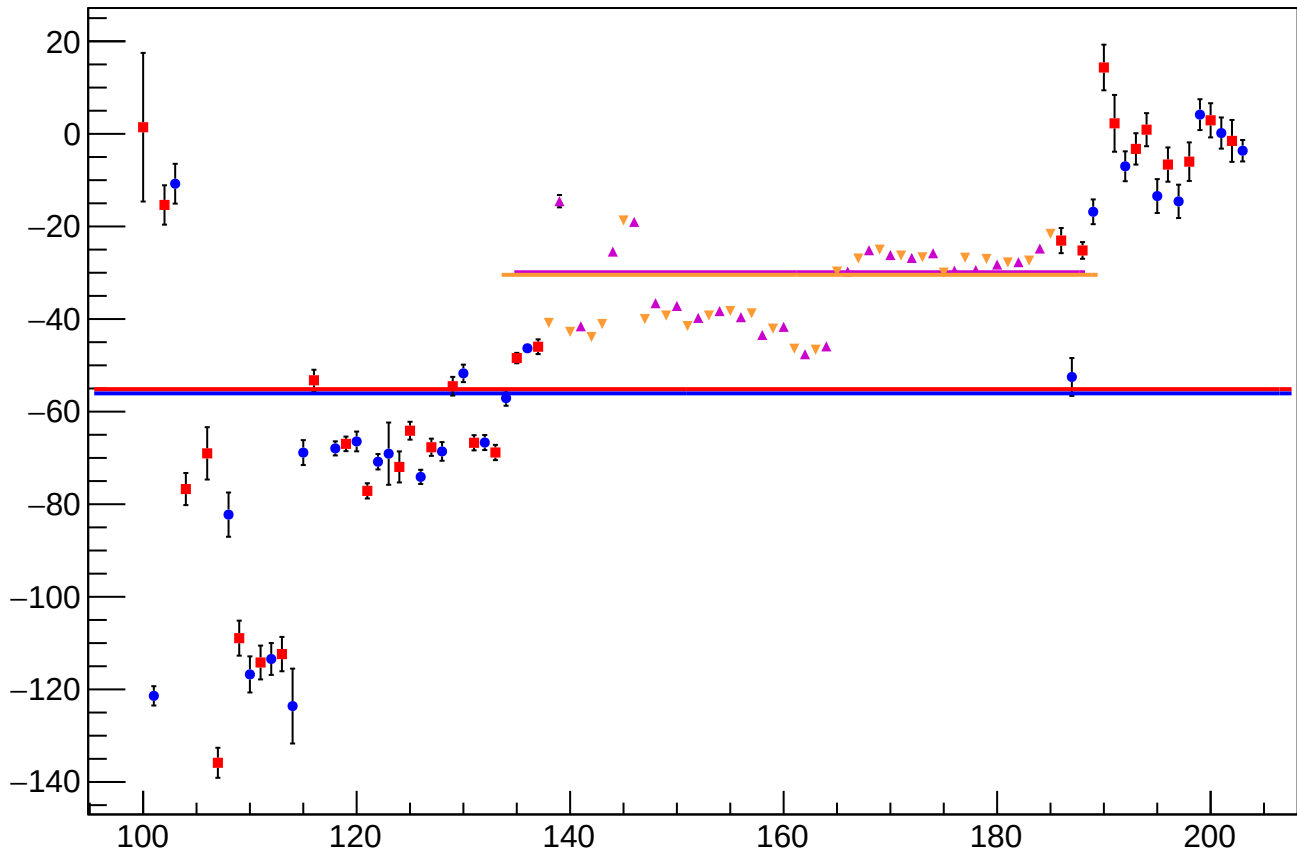
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.868 ± 0.088 χ^2/NDF : 14432.5/49

All: -36.116 ± 0.062 χ^2/NDF : 33868.6/101

- sign -36.368 ± 0.088 χ^2/NDF : 19420.0/51

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -56.051 ± 0.416 χ^2/NDF : 4112.7/24

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -55.141 ± 0.438 χ^2/NDF : 3862.7/28

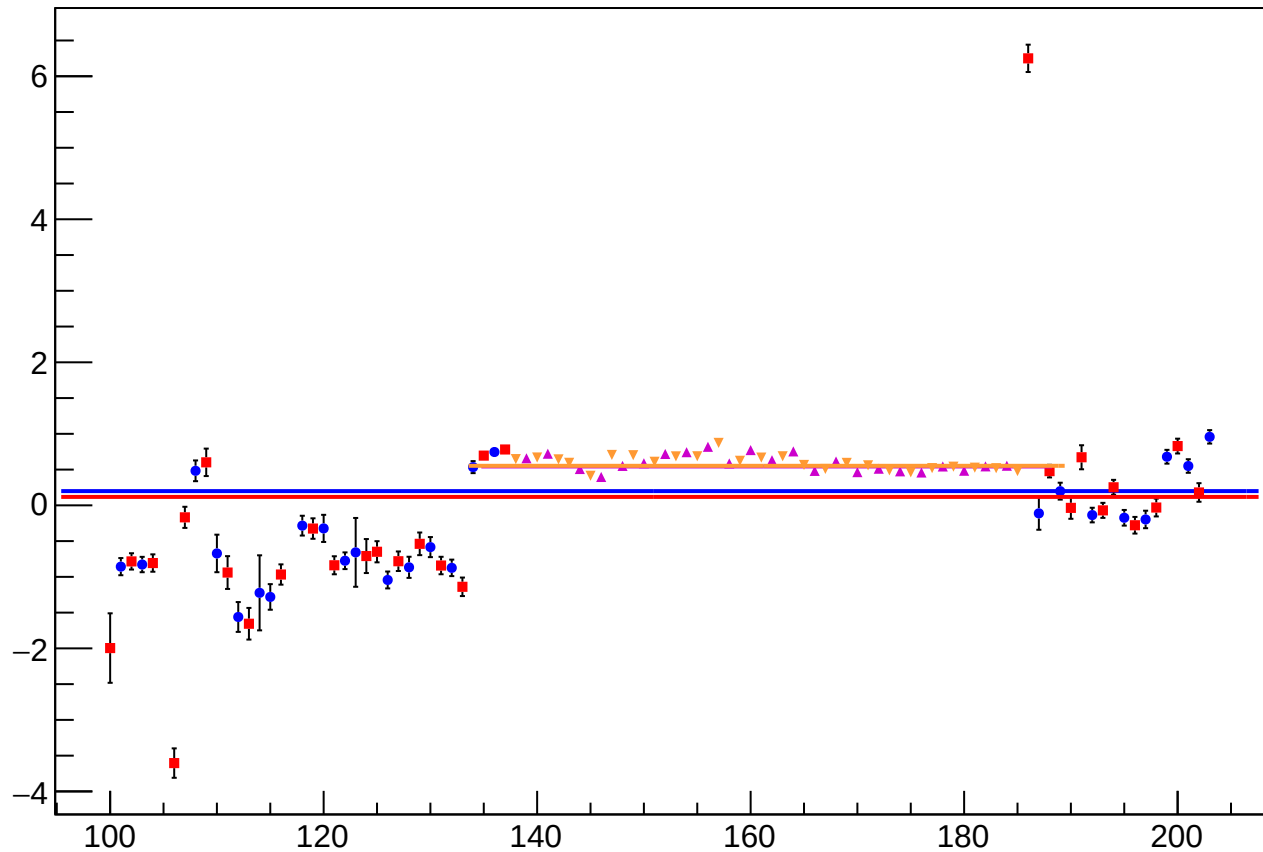
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.393 ± 0.080 χ^2/NDF : 15921.4/49

All: -31.080 ± 0.057 χ^2/NDF : 30132.3/101

- sign -30.757 ± 0.081 χ^2/NDF : 14179.8/51

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.199 $\pm$ 0.020 χ^2 /NDF: 1129.3/24

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.1/24

Right Out: 0.118 $\pm$ 0.022 χ^2 /NDF: 2327.7/28

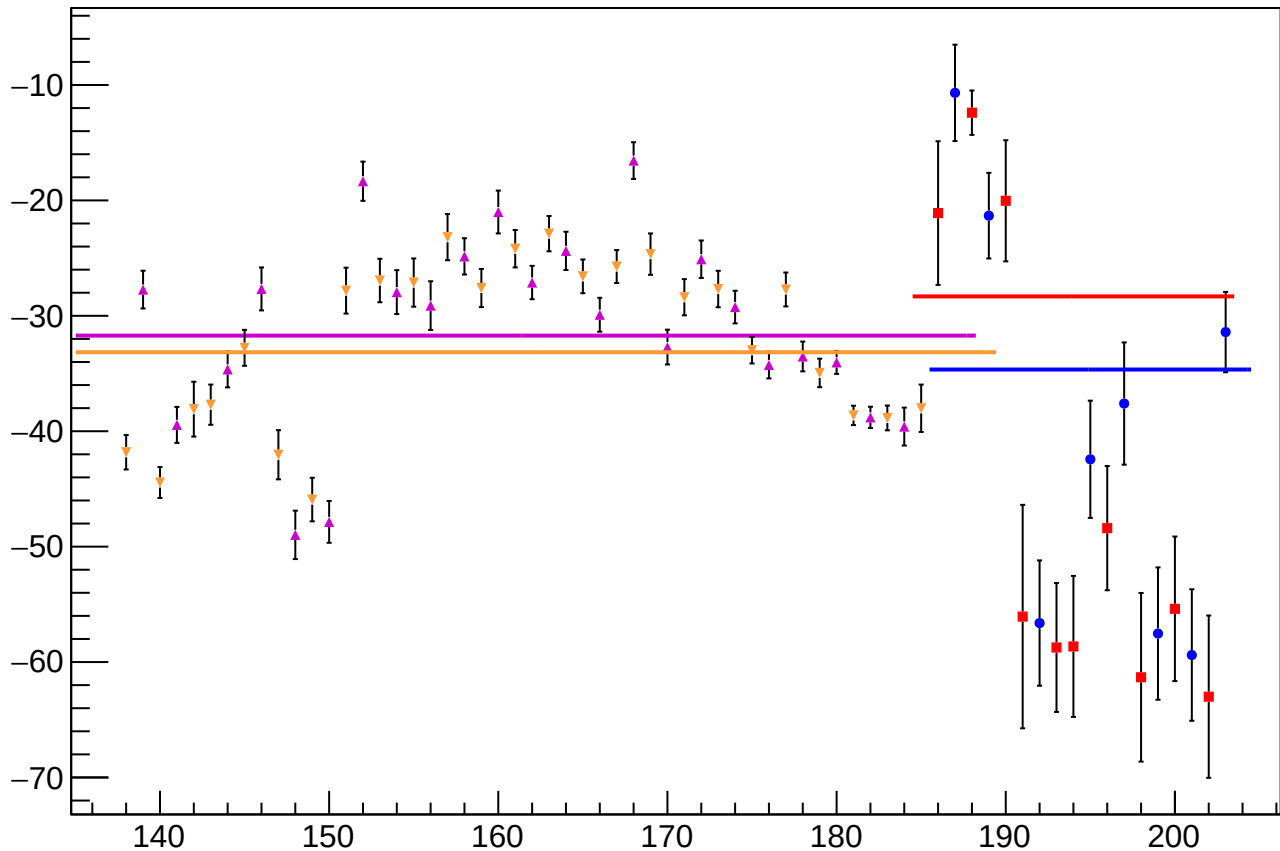
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:655.9/22

+ sign 0.542 $\pm$ 0.004 χ^2 /NDF: 1961.9/49

All: 0.536 $\pm$ 0.003 χ^2 /NDF: 5327.8/101

- sign 0.531 $\pm$ 0.004 χ^2 /NDF: 3361.8/51

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -34.654+/-1.618 χ^2/NDF : 100.6/7

Left Out: -33.157+/-0.300 χ^2/NDF : 500.1/24

Right Out: -28.318+/-1.413 χ^2/NDF : 212.2/9

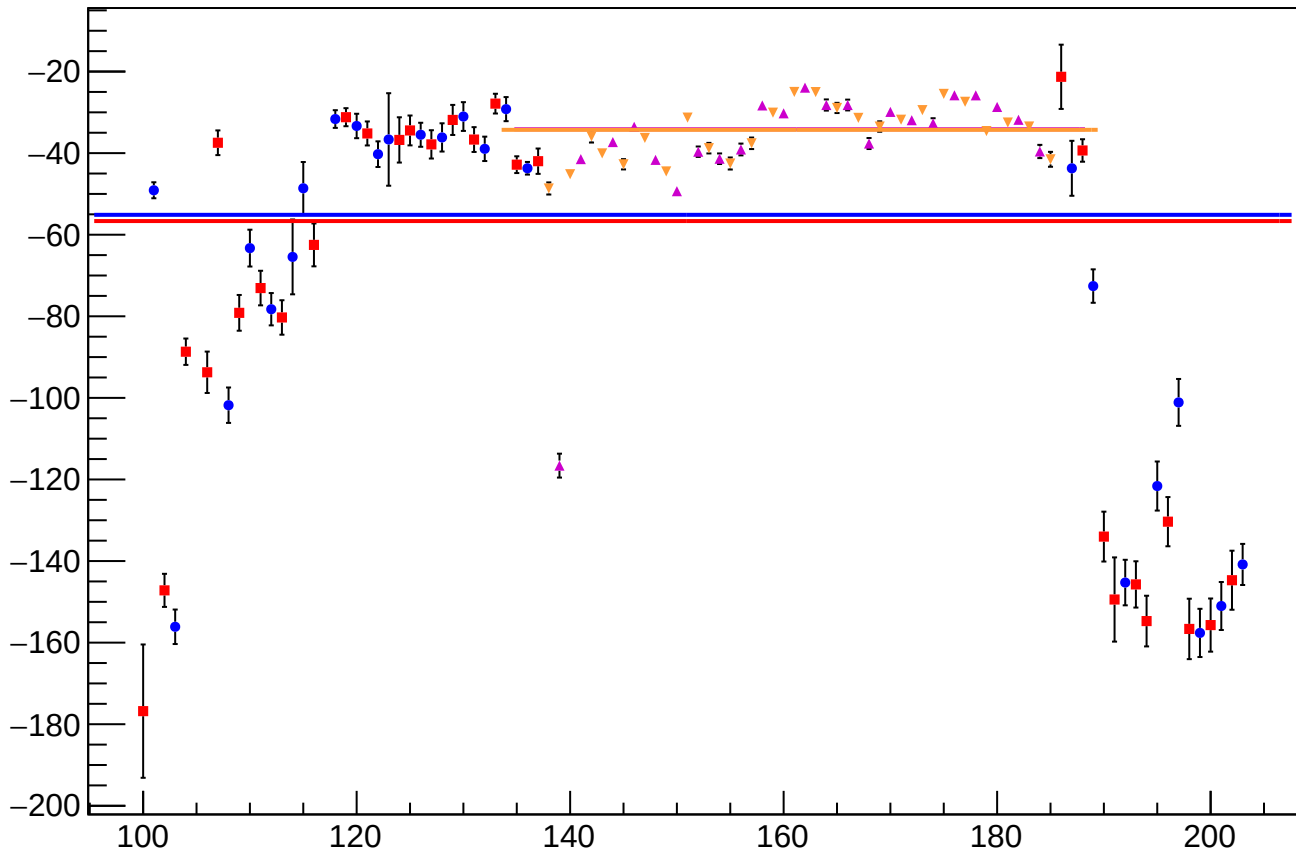
Left In: -31.714+/-0.309 χ^2/NDF : 542.3/22

+ sign -33.207+/-0.295 χ^2/NDF : 601.5/32

All: -32.401+/-0.211 χ^2/NDF : 1376.6/65

- sign -31.559+/-0.302 χ^2/NDF : 759.9/32

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -55.123 ± 0.683 χ^2/NDF : 2536.9/24

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -56.653 ± 0.700 χ^2/NDF : 2887.1/28

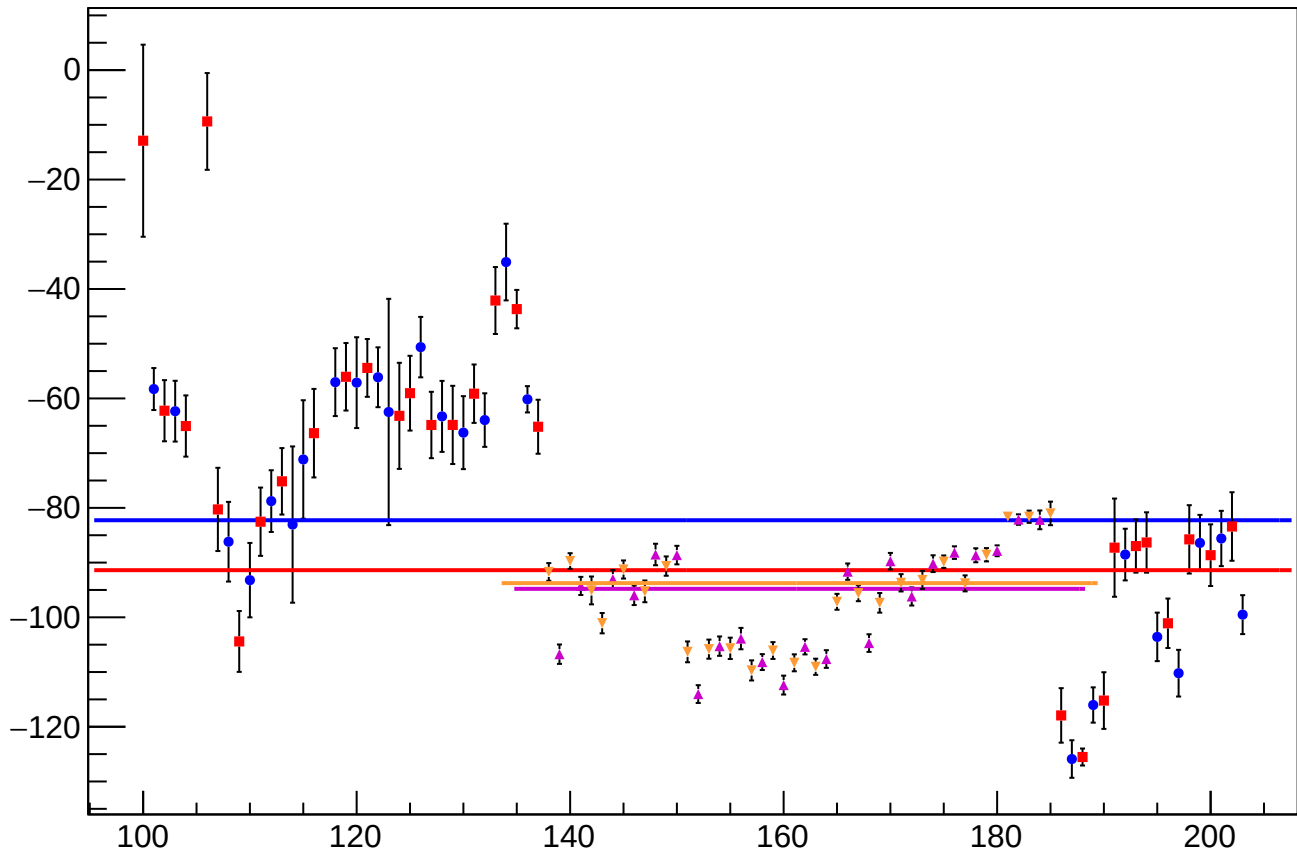
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -36.601 ± 0.228 χ^2/NDF : 4059.1/49

All: -36.651 ± 0.164 χ^2/NDF : 9315.0/101

- sign -36.705 ± 0.236 χ^2/NDF : 5255.8/51

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -82.259 ± 0.969 χ^2/NDF : 660.6/24

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -91.385 ± 0.900 χ^2/NDF : 1185.4/28

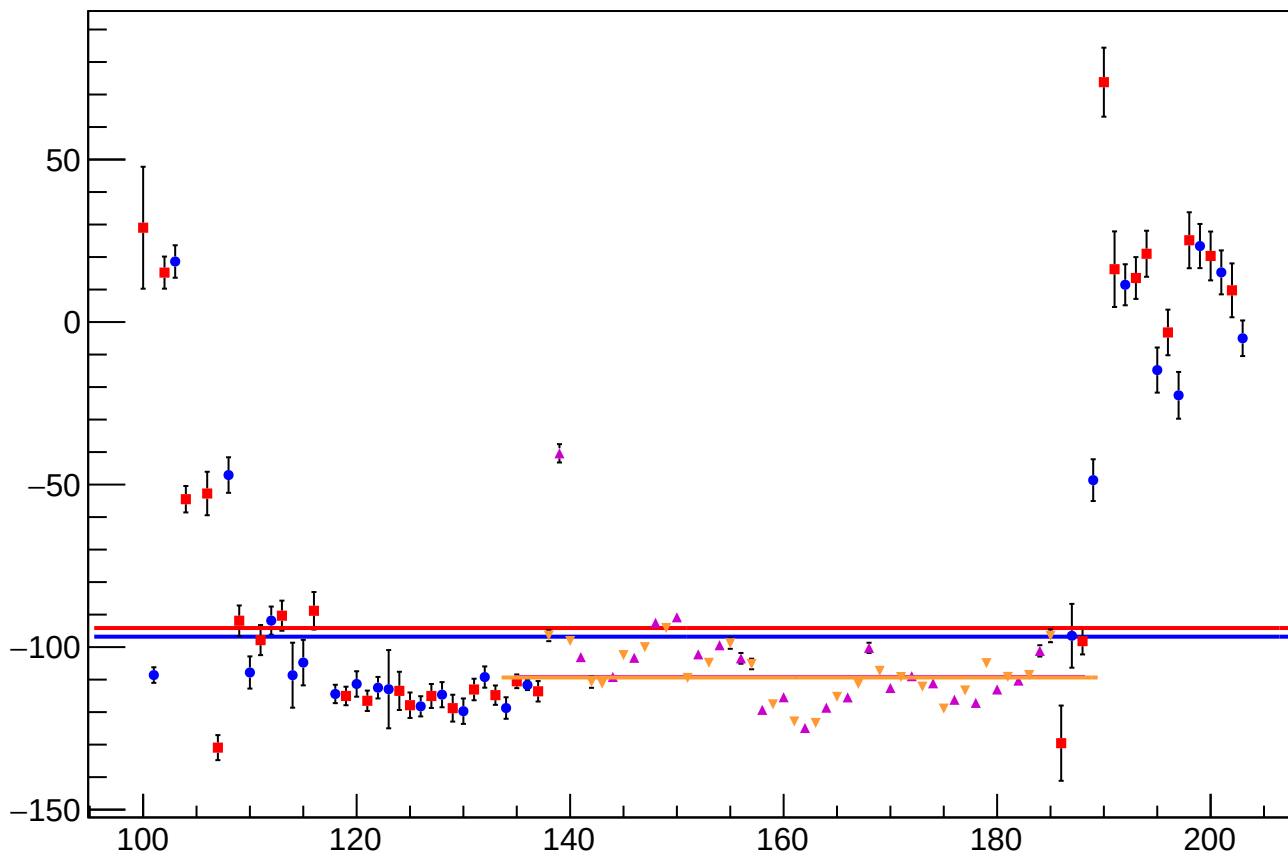
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.738 ± 0.288 χ^2/NDF : 1671.9/49

All: -93.577 ± 0.205 χ^2/NDF : 3862.1/101

- sign -94.437 ± 0.292 χ^2/NDF : 2173.0/51

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -96.793 ± 0.774 χ^2/NDF : 2444.9/24

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -94.128 ± 0.806 χ^2/NDF : 2805.4/28

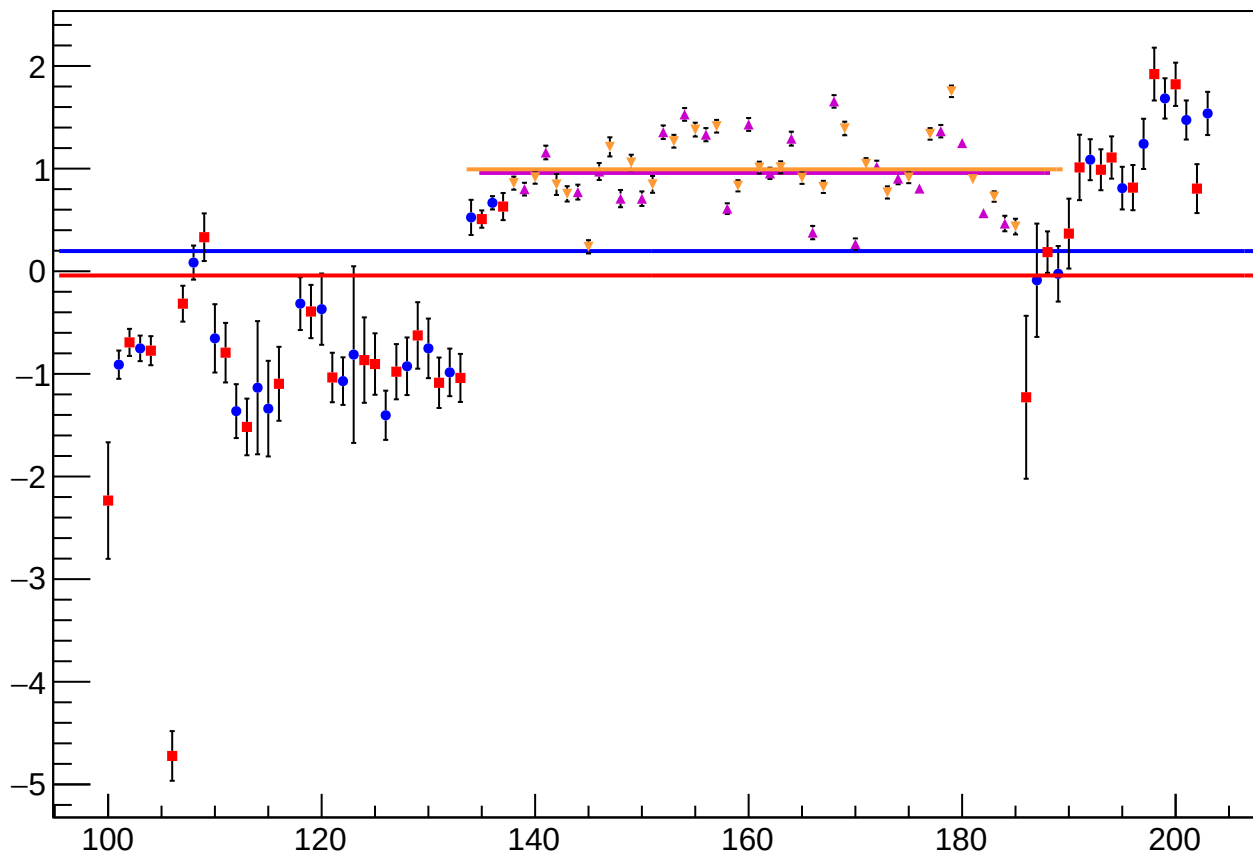
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -107.977 ± 0.256 χ^2/NDF : 3506.3/49

All: -107.778 ± 0.184 χ^2/NDF : 8125.1/101

- sign -107.565 ± 0.264 χ^2/NDF : 4617.6/51

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.197 ± 0.037 χ^2/NDF : 561.6/24

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.041 ± 0.038 χ^2/NDF : 877.1/28

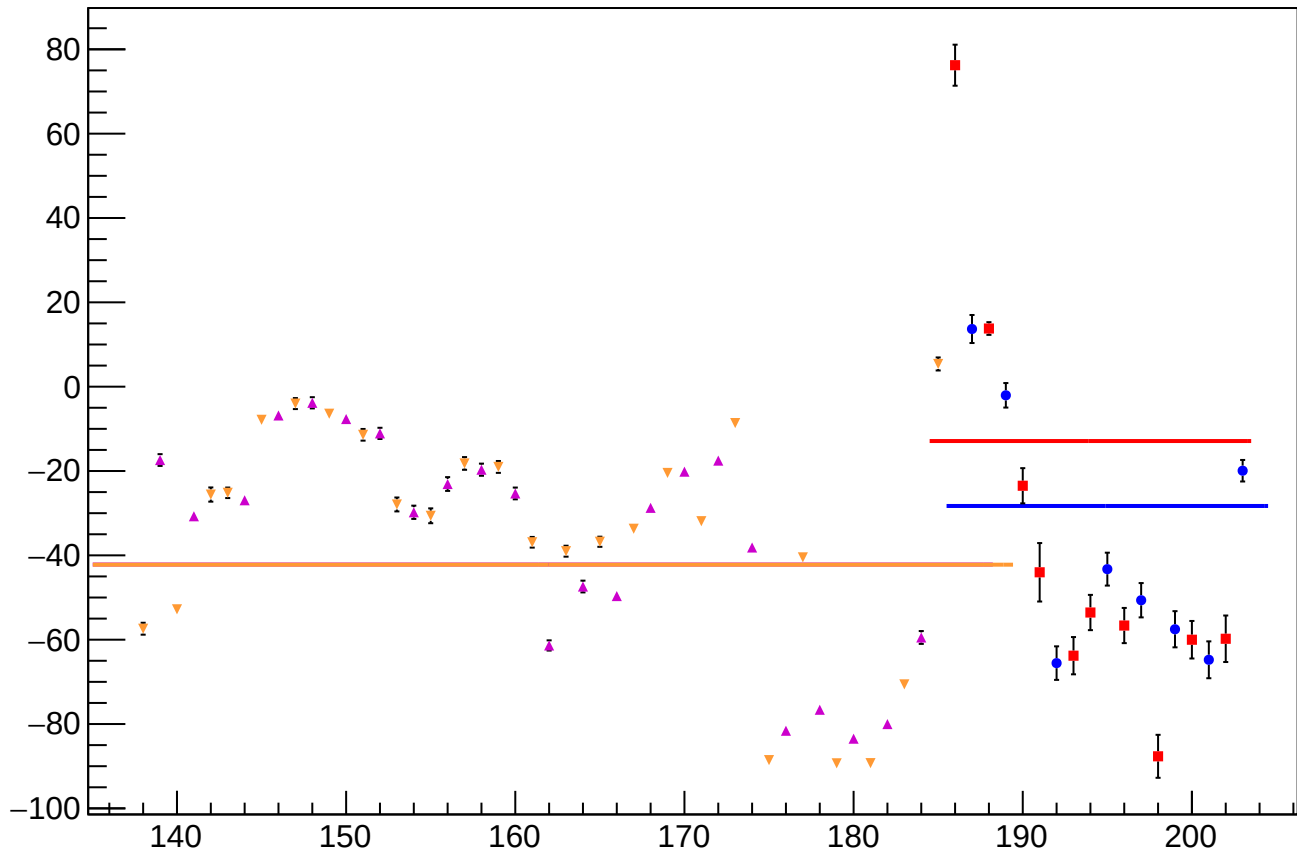
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.914 ± 0.012 χ^2/NDF : 1609.6/49

All: 0.887 ± 0.008 χ^2/NDF : 4007.6/101

- sign 0.859 ± 0.012 χ^2/NDF : 2387.4/51

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -28.291 ± 1.233 $\chi^2/\text{NDF}: 500.4/7$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: -12.892 ± 1.086 $\chi^2/\text{NDF}: 1412.0/9$

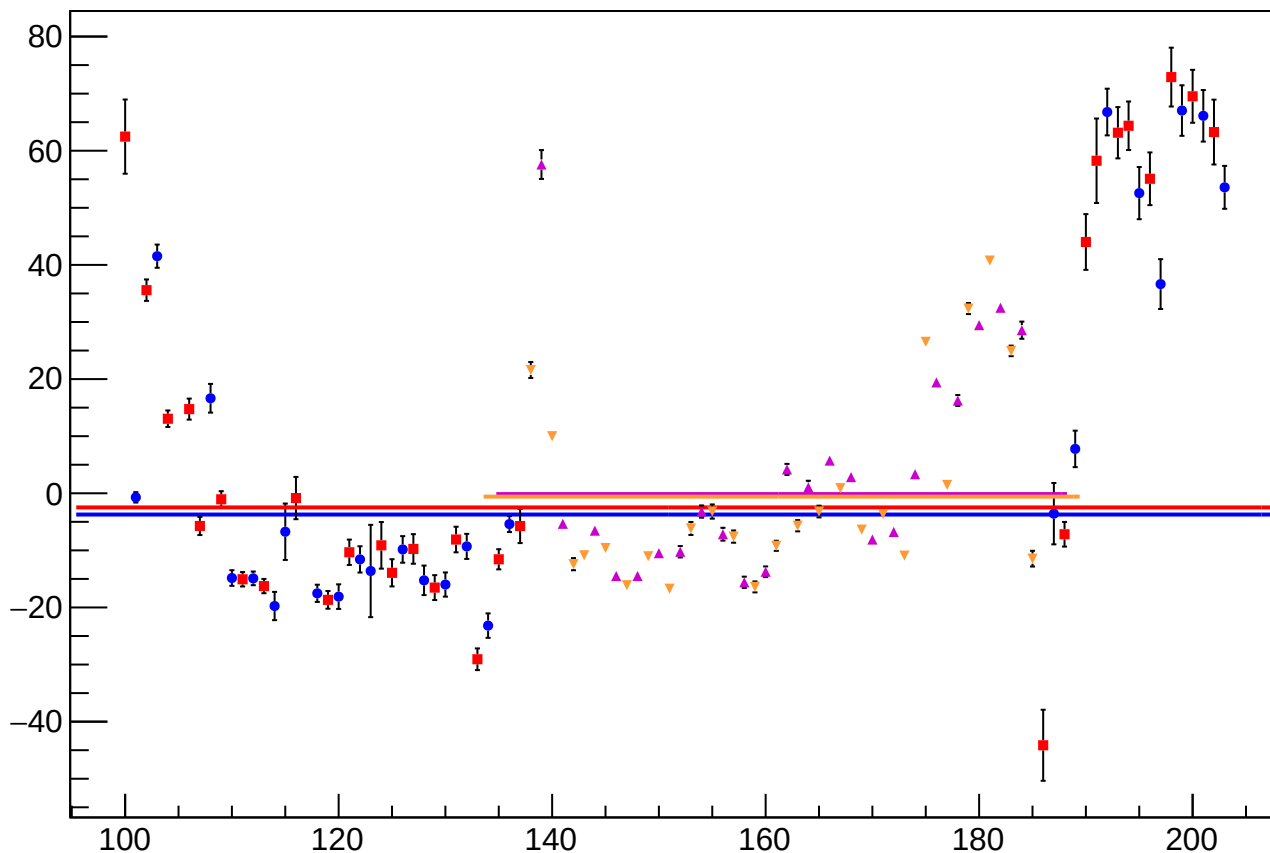
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -41.775 ± 0.218 $\chi^2/\text{NDF}: 18933.1/32$

All: -41.369 ± 0.156 $\chi^2/\text{NDF}: 35624.8/65$

- sign -40.949 ± 0.222 $\chi^2/\text{NDF}: 16684.7/32$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -3.724 ± 0.413 $\chi^2/\text{NDF}: 2334.7/24$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: -2.478 ± 0.408 $\chi^2/\text{NDF}: 2777.1/28$

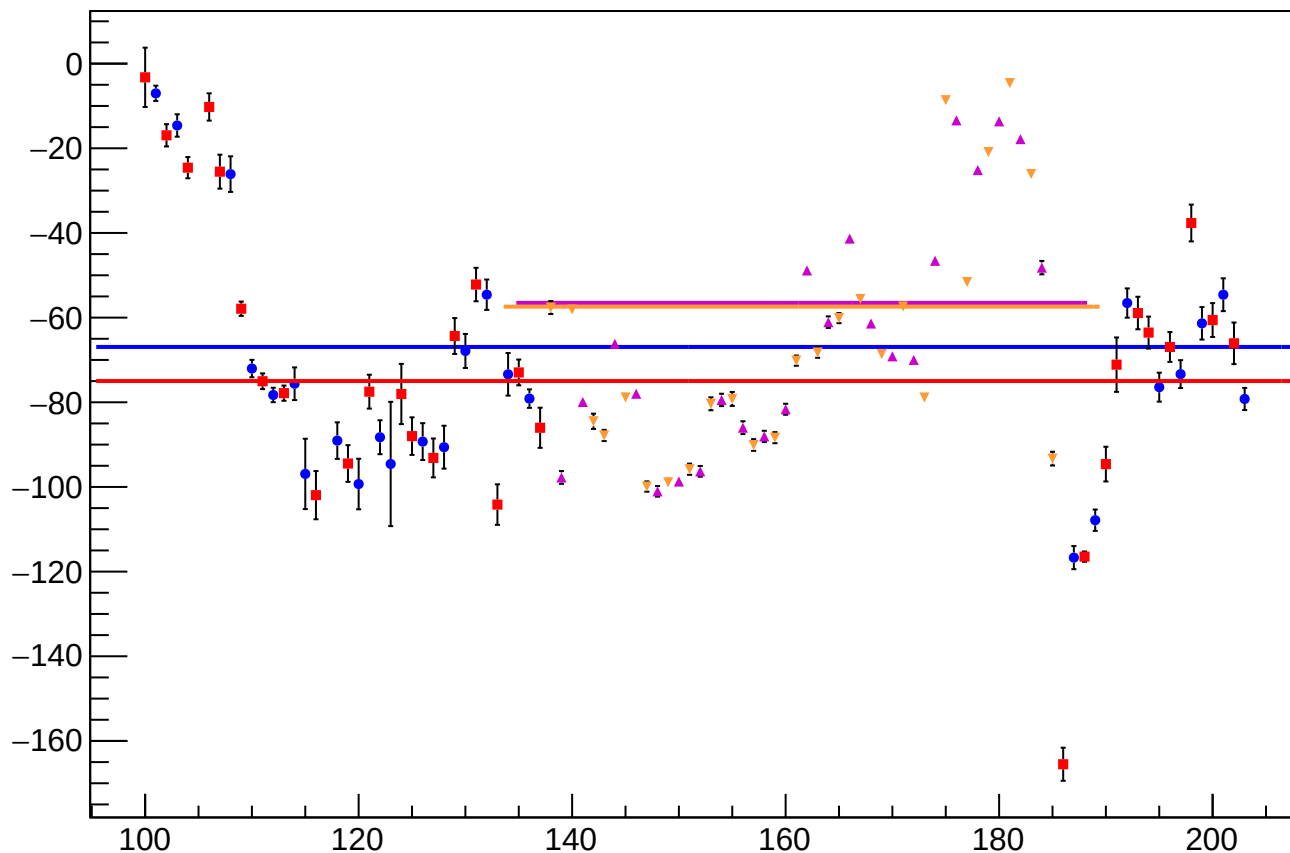
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -1.063 ± 0.161 $\chi^2/\text{NDF}: 11134.5/49$

All: -0.797 ± 0.115 $\chi^2/\text{NDF}: 20807.1/101$

- sign -0.519 ± 0.164 $\chi^2/\text{NDF}: 9667.0/51$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.927 ± 0.617 χ^2/NDF : 2471.4/24

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -74.979 ± 0.558 χ^2/NDF : 3648.7/28

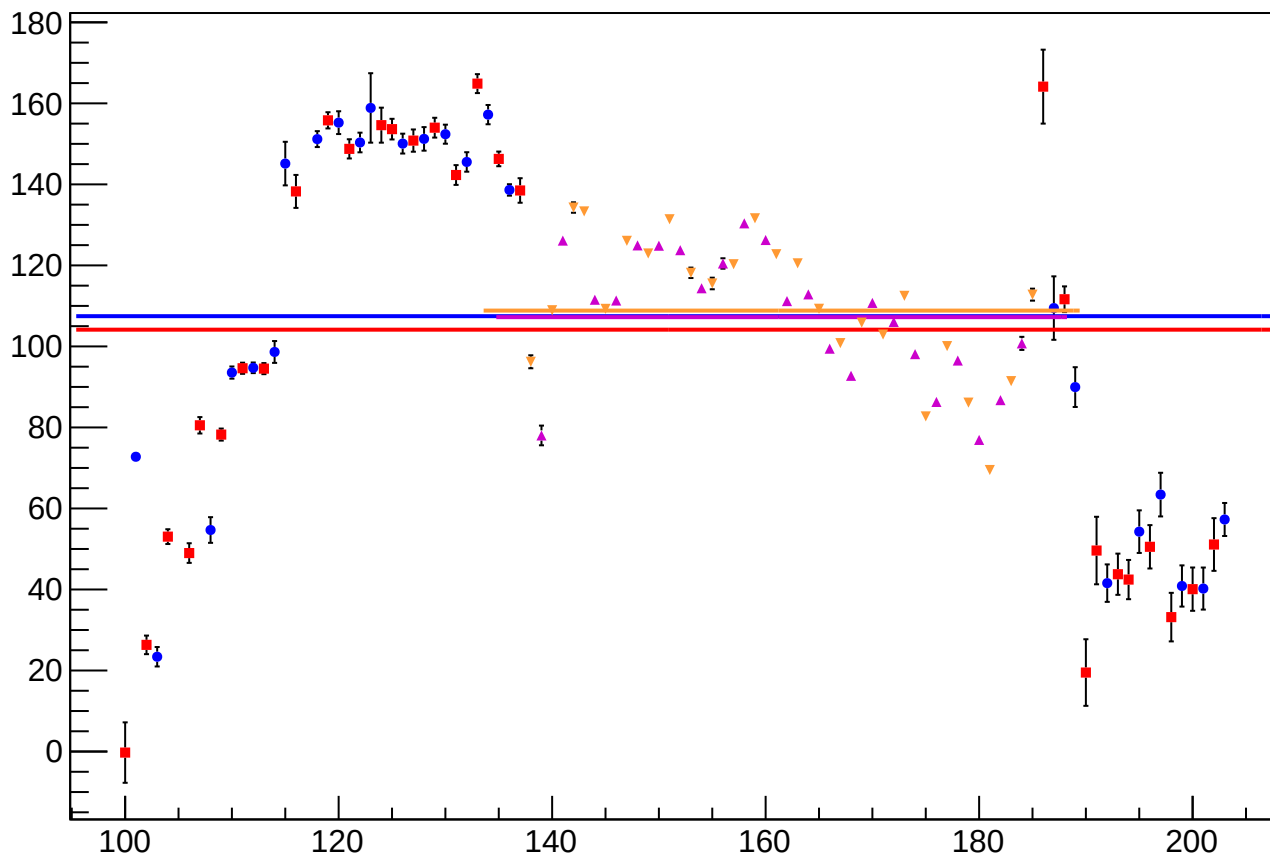
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -58.513 ± 0.210 χ^2/NDF : 21285.6/49

All: -58.826 ± 0.149 χ^2/NDF : 42230.0/101

- sign -59.140 ± 0.210 χ^2/NDF : 20939.9/51

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 107.466 $\pm$ 0.473 χ^2 /NDF: 6795.7/24

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 104.133 $\pm$ 0.469 χ^2 /NDF: 8033.4/28

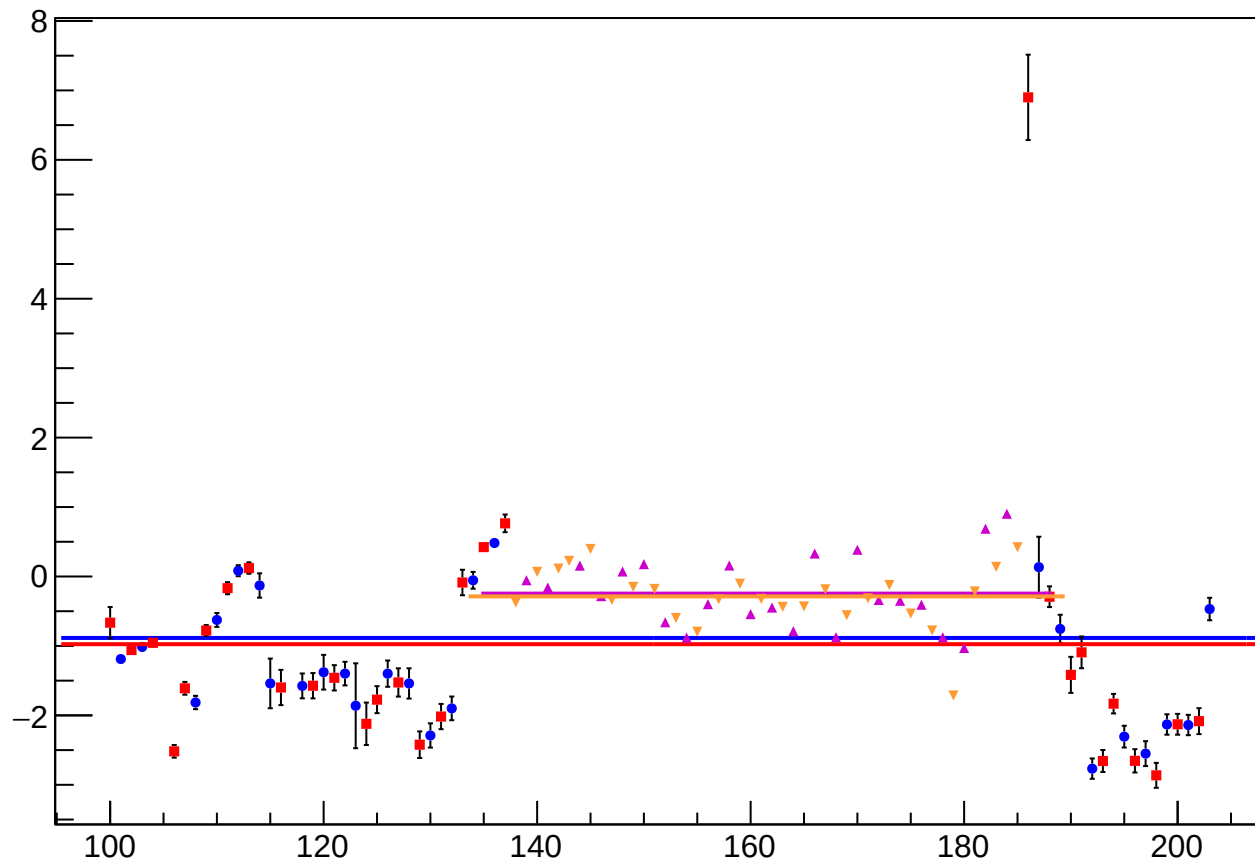
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.641 $\pm$ 0.182 χ^2 /NDF: 14203.2/49

All: 107.710 $\pm$ 0.130 χ^2 /NDF: 27891.8/101

- sign 106.740 $\pm$ 0.186 χ^2 /NDF: 13635.2/51

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.885 ± 0.024 χ^2/NDF : 1536.9/24

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.975 ± 0.022 χ^2/NDF : 1989.2/28

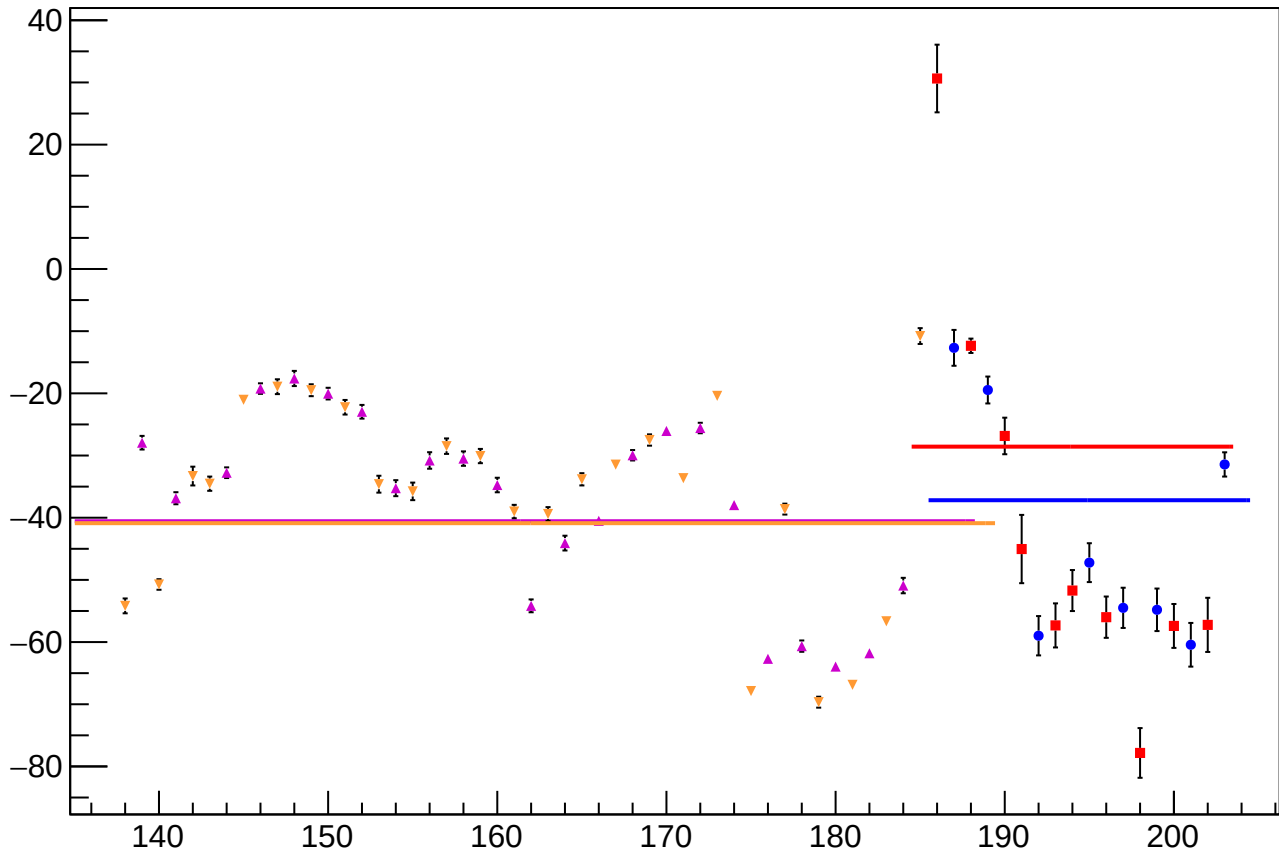
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.363 ± 0.008 χ^2/NDF : 4143.9/49

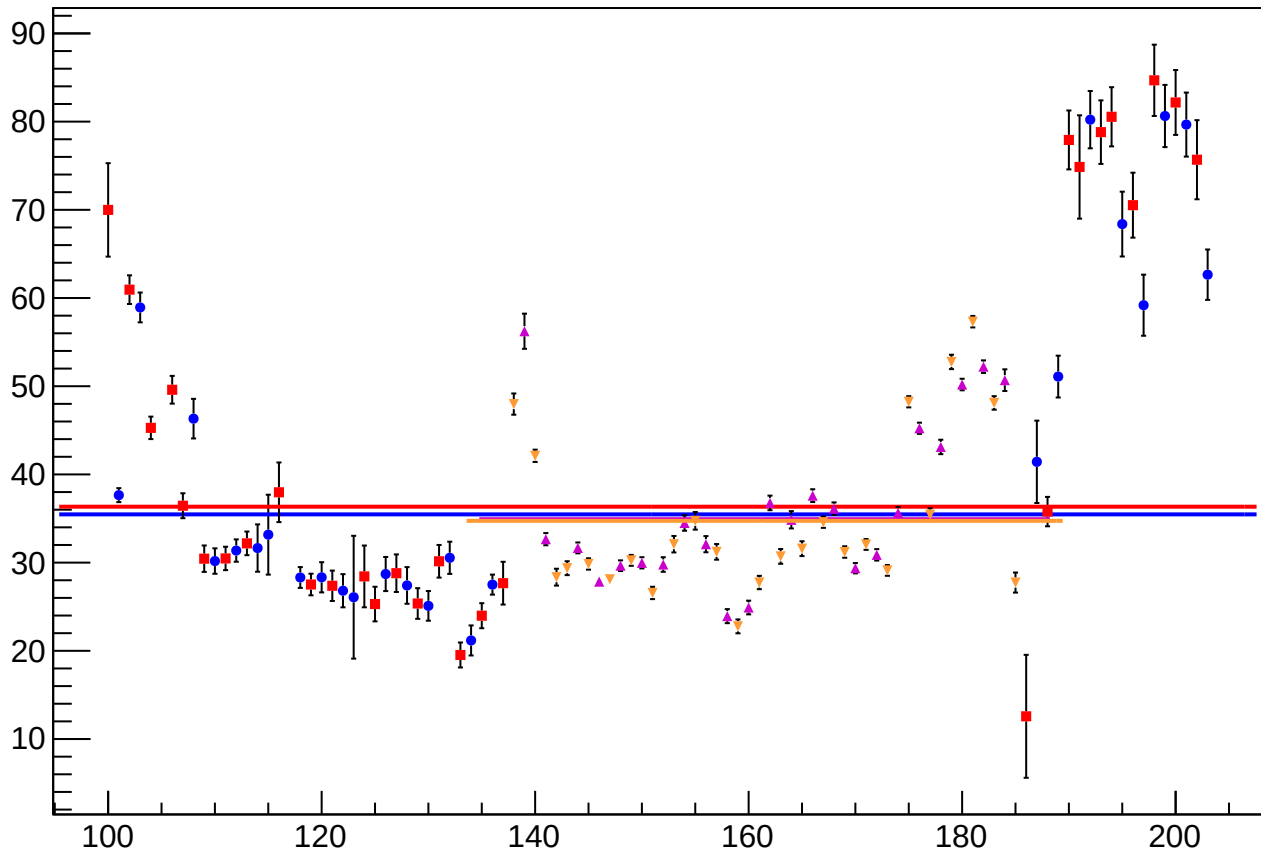
All: -0.358 ± 0.006 χ^2/NDF : 9829.8/101

- sign -0.353 ± 0.009 χ^2/NDF : 5685.1/51

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 35.469 $\pm$ 0.357 χ^2 /NDF: 1283.6/24

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF: 3693.2/24

Right Out: 36.339 $\pm$ 0.356 χ^2 /NDF: 1828.4/28

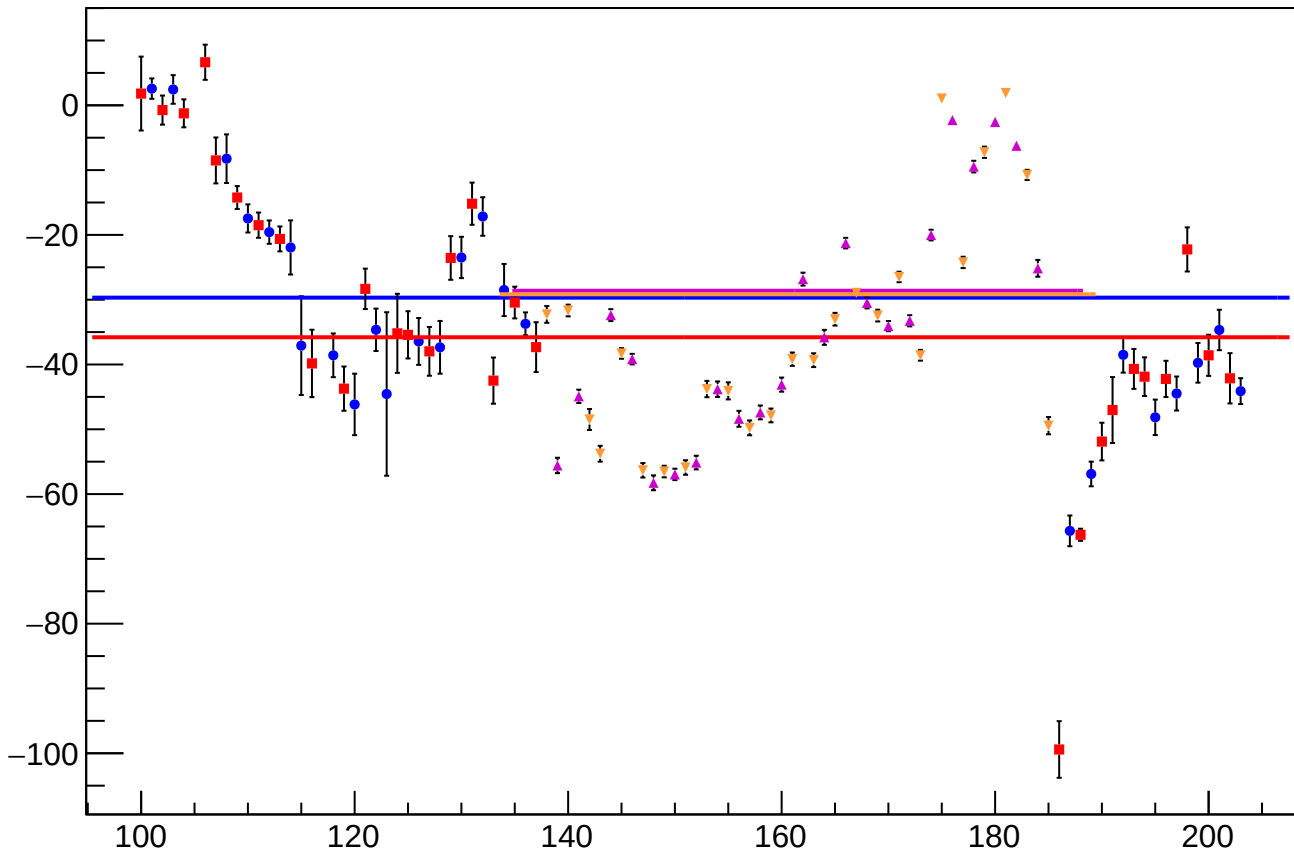
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 34.847 $\pm$ 0.136 χ^2 /NDF: 4980.3/49

All: 34.990 $\pm$ 0.097 χ^2 /NDF: 9497.3/101

- sign 35.139 $\pm$ 0.139 χ^2 /NDF: 4514.7/51

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -29.684 ± 0.530 $\chi^2/\text{NDF}: 1376.8/24$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -35.798 ± 0.479 $\chi^2/\text{NDF}: 2555.2/28$

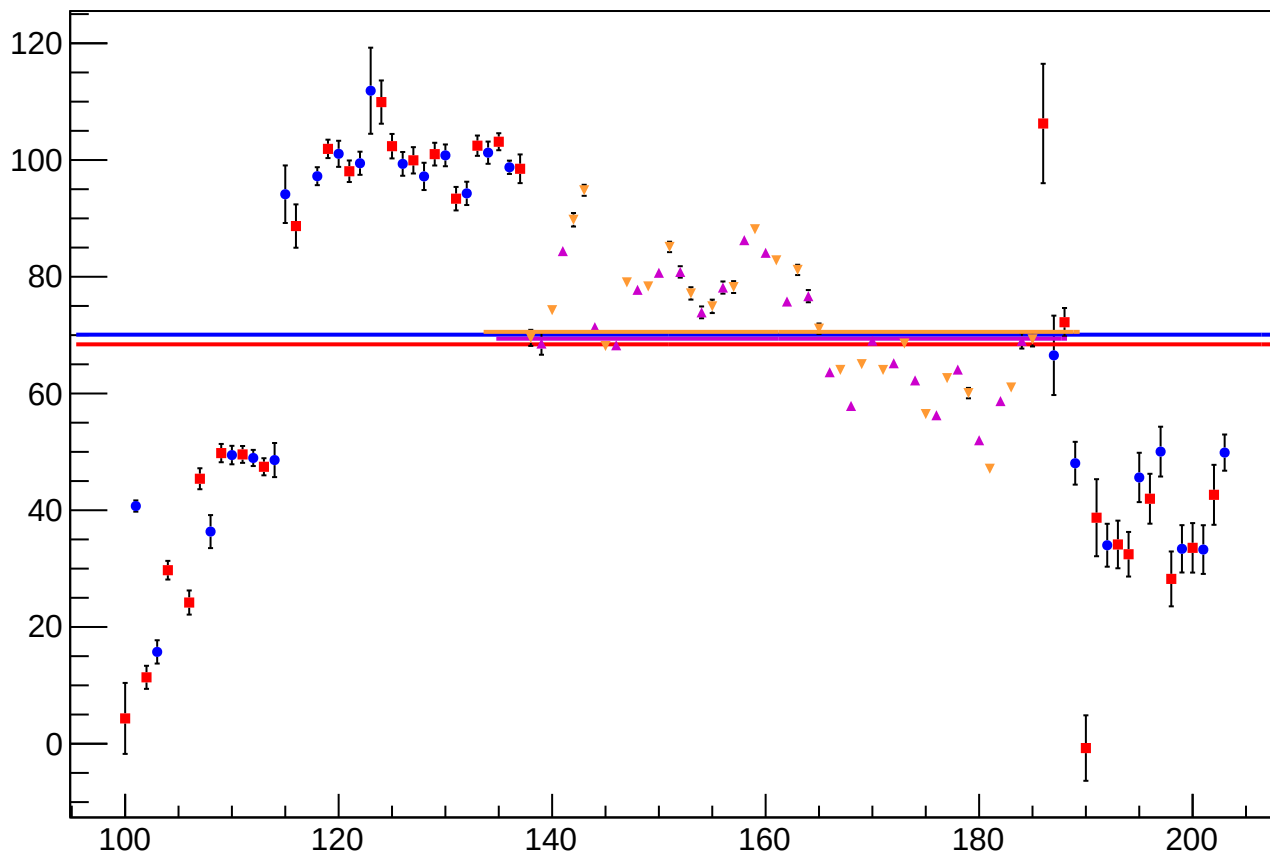
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -29.221 ± 0.176 $\chi^2/\text{NDF}: 11503.7/49$

All: -29.406 ± 0.125 $\chi^2/\text{NDF}: 23296.4/101$

- sign -29.591 ± 0.176 $\chi^2/\text{NDF}: 11790.5/51$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.080 $\pm$ 0.410 χ^2 /NDF: 5095.2/24

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 68.422 $\pm$ 0.413 χ^2 /NDF: 6076.1/28

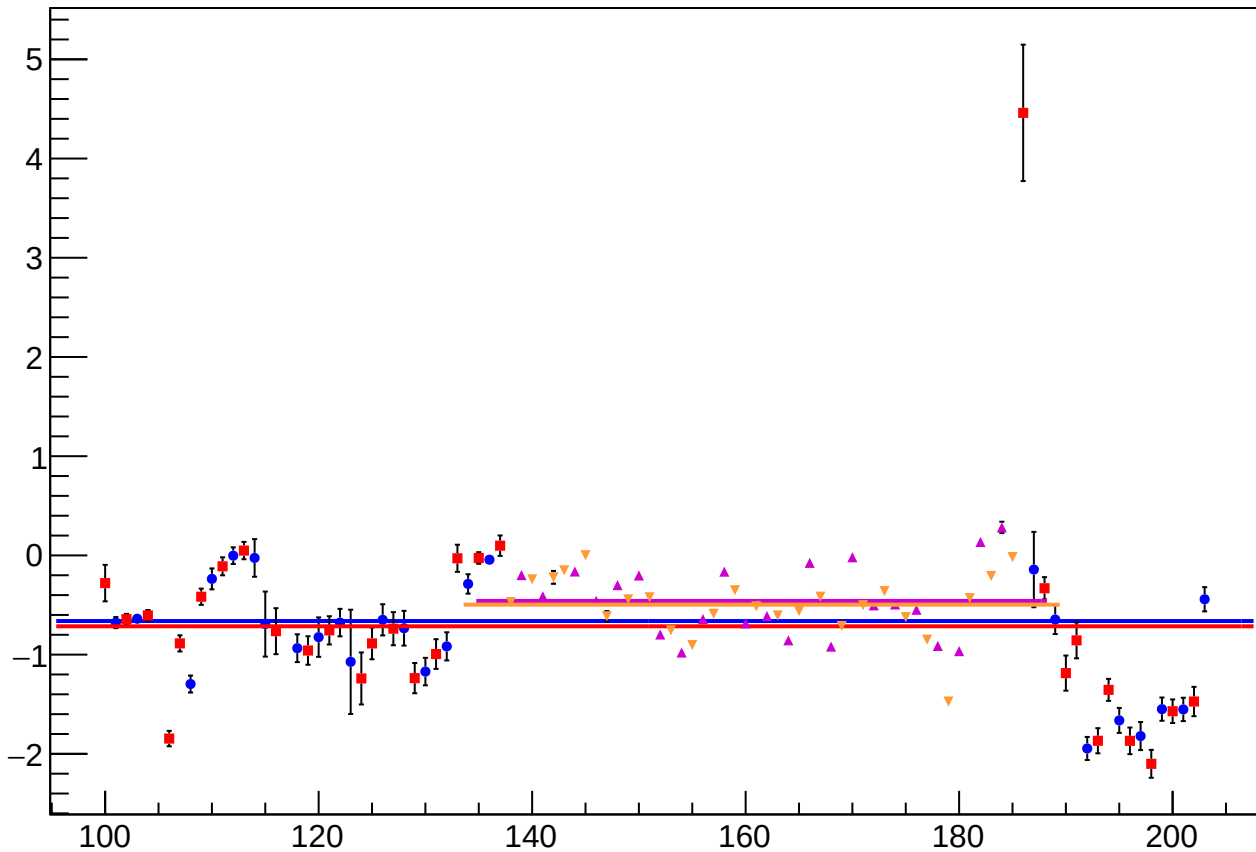
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.495 $\pm$ 0.154 χ^2 /NDF: 9685.5/49

All: 69.884 $\pm$ 0.110 χ^2 /NDF: 19120.2/101

- sign 69.247 $\pm$ 0.157 χ^2 /NDF: 9402.6/51

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.661 ± 0.020 χ^2/NDF : 727.3/24

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.714 ± 0.019 χ^2/NDF : 1052.0/28

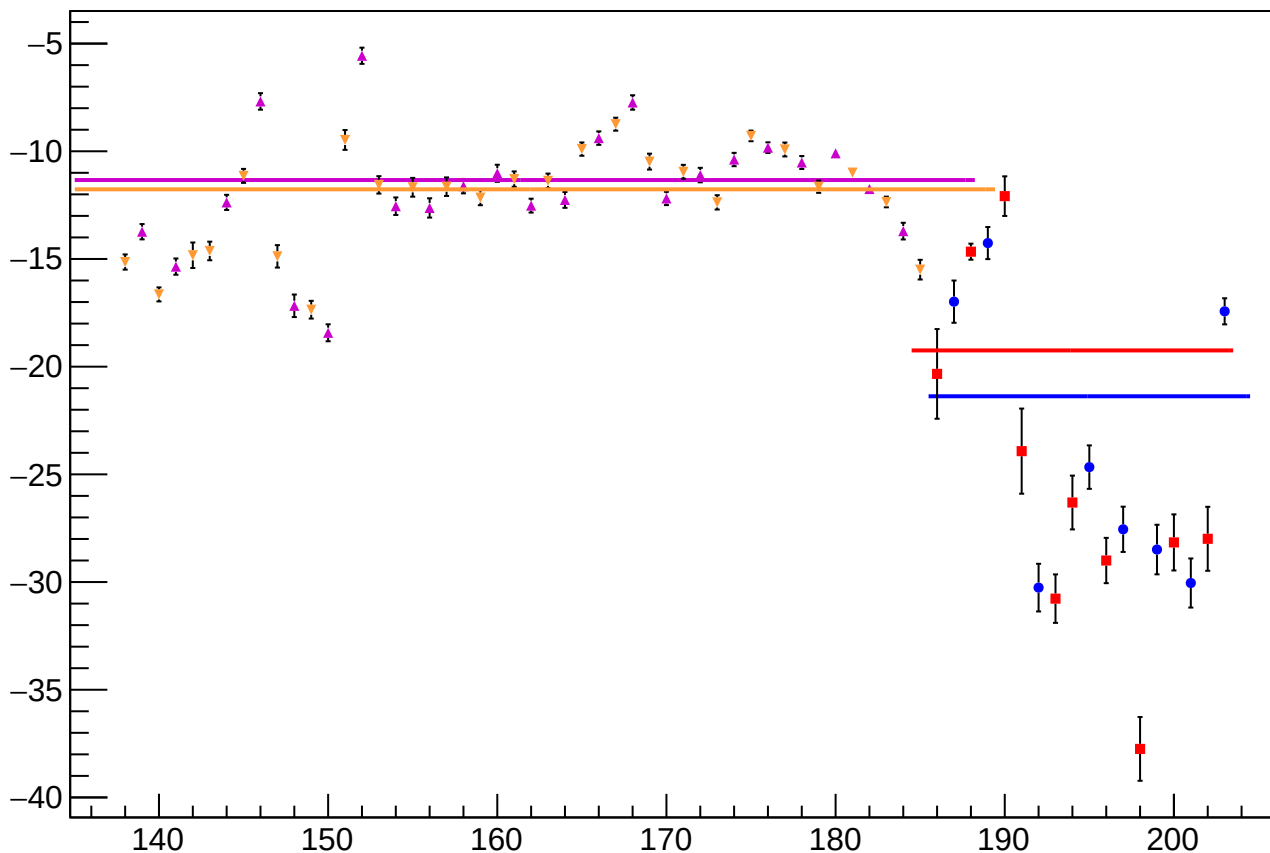
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.517 ± 0.007 χ^2/NDF : 2234.9/49

All: -0.506 ± 0.005 χ^2/NDF : 5401.7/101

- sign -0.494 ± 0.007 χ^2/NDF : 3161.6/51

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -21.375 ± 0.320 $\chi^2/\text{NDF}: 359.2/7$

Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$

Right Out: -19.246 ± 0.280 $\chi^2/\text{NDF}: 678.8/9$

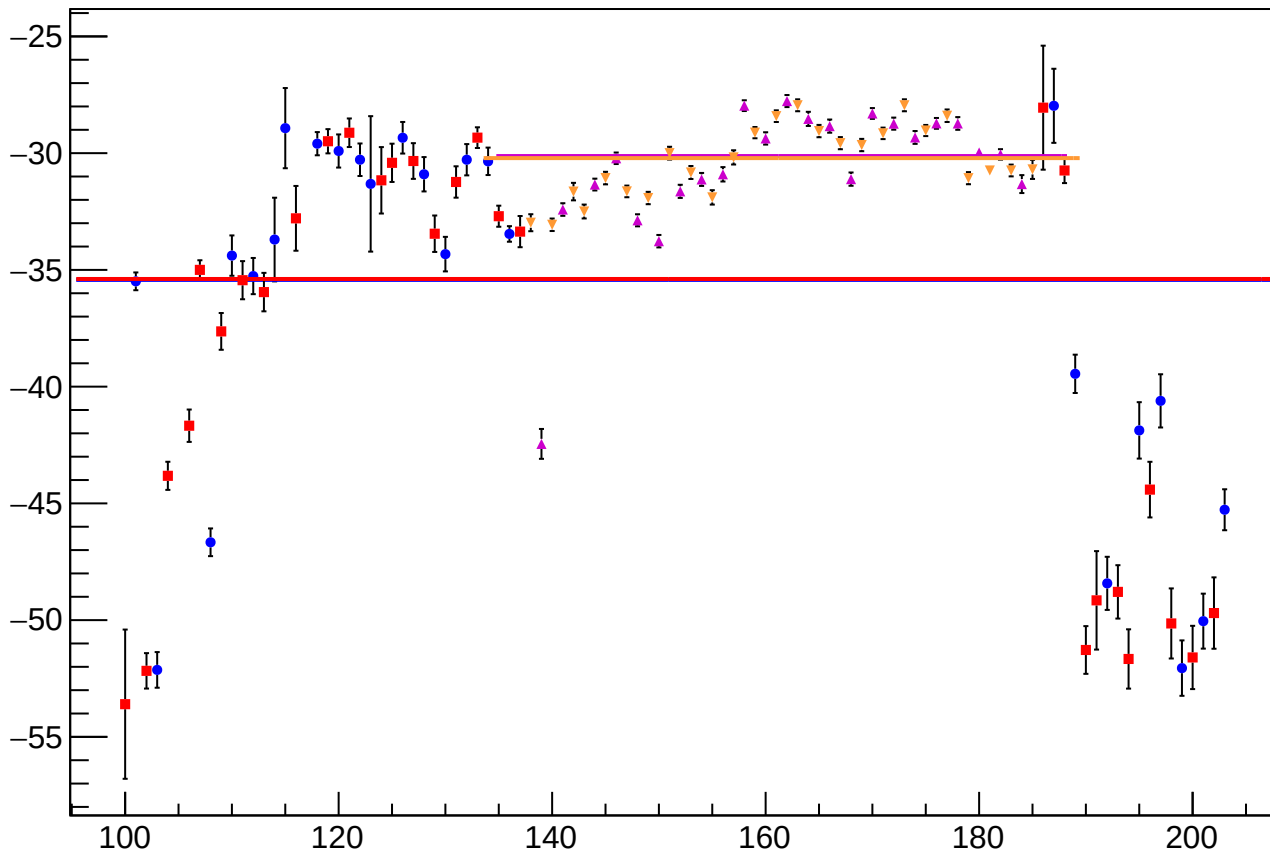
Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -12.168 ± 0.065 $\chi^2/\text{NDF}: 2246.3/32$

All: -11.974 ± 0.046 $\chi^2/\text{NDF}: 4964.0/65$

- sign -11.776 ± 0.066 $\chi^2/\text{NDF}: 2699.8/32$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.427 ± 0.141 χ^2/NDF : 2100.6/24

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -35.389 ± 0.139 χ^2/NDF : 2464.5/28

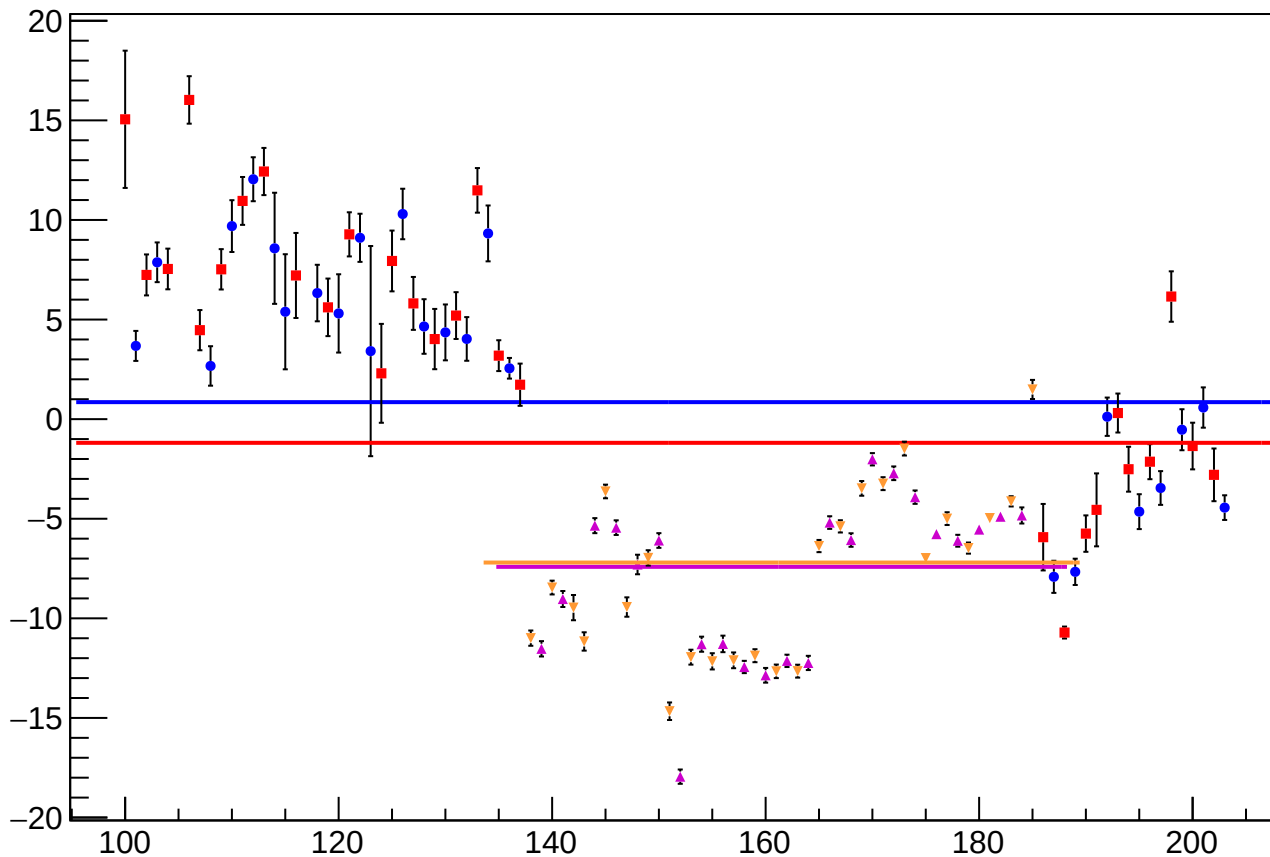
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.874 ± 0.050 χ^2/NDF : 4025.4/49

All: -30.864 ± 0.036 χ^2/NDF : 8960.7/101

- sign -30.852 ± 0.052 χ^2/NDF : 4935.2/51

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 0.854 ± 0.197 χ^2/NDF : 843.9/24

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -1.189 ± 0.179 χ^2/NDF : 2194.8/28

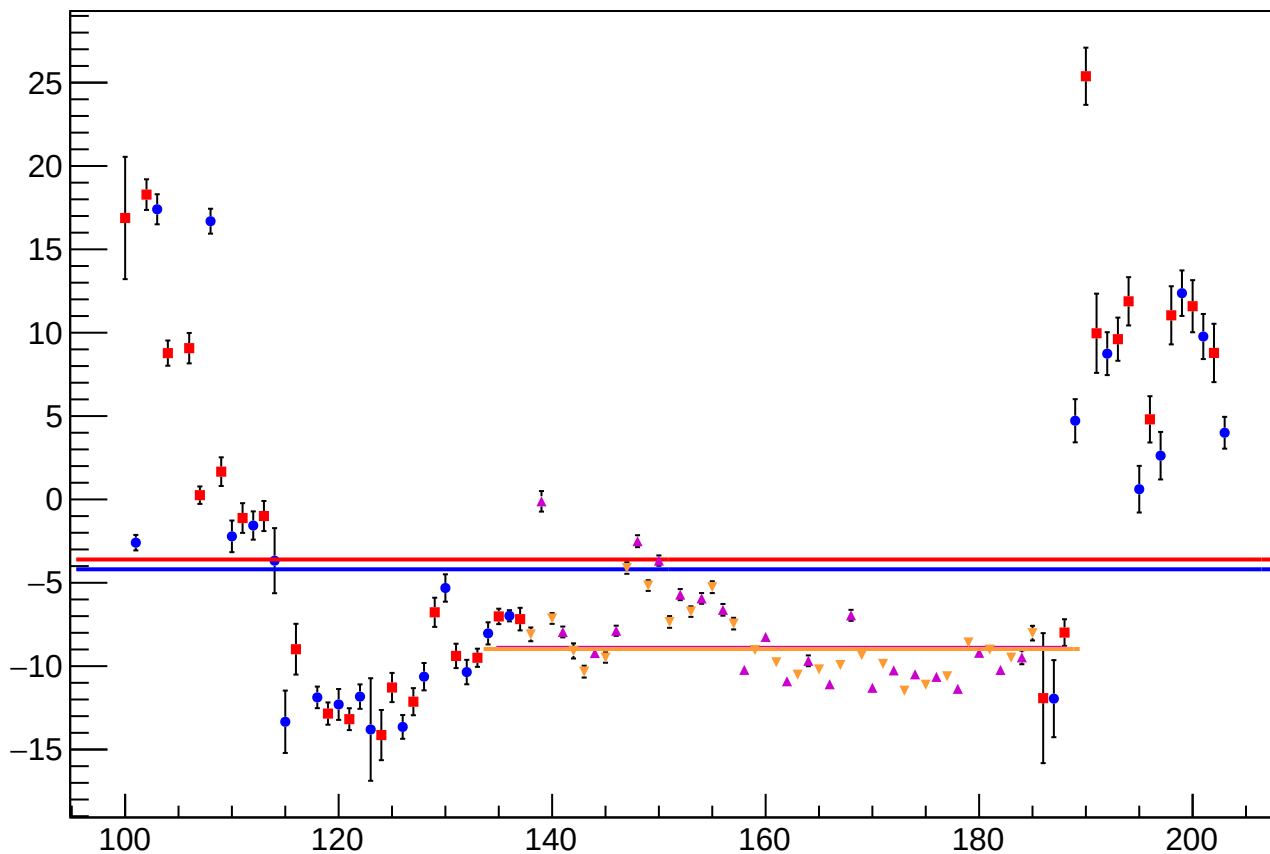
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.366 ± 0.063 χ^2/NDF : 5380.5/49

All: -6.499 ± 0.045 χ^2/NDF : 11765.9/101

- sign -6.632 ± 0.063 χ^2/NDF : 6376.6/51

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.192 ± 0.161 χ^2/NDF : 2673.2/24

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -3.603 ± 0.162 χ^2/NDF : 2917.7/28

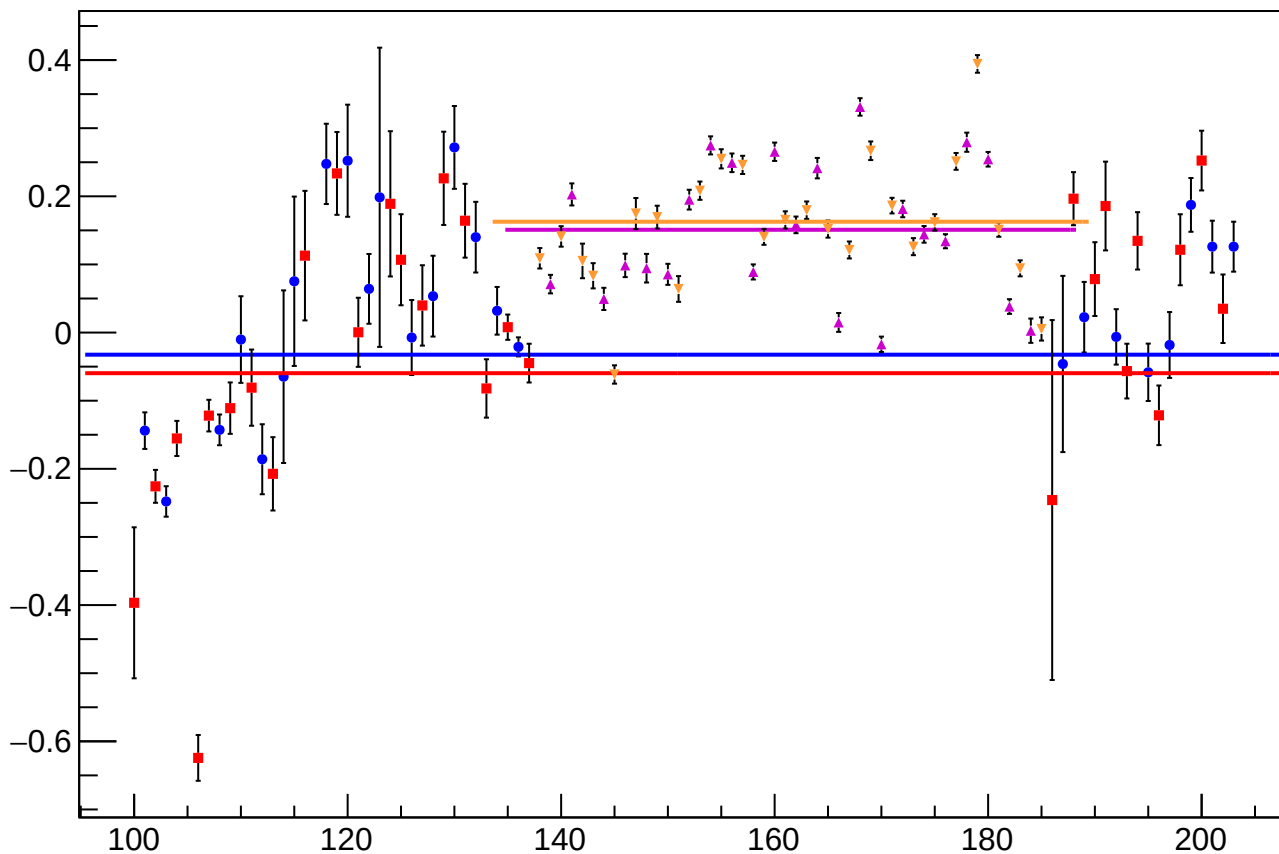
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.382 ± 0.056 χ^2/NDF : 4327.8/49

All: -8.307 ± 0.040 χ^2/NDF : 9718.3/101

- sign -8.229 ± 0.058 χ^2/NDF : 5386.8/51

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.032±/0.007 χ^2/NDF : 294.7/24

Left Out: 0.163±/0.003 χ^2/NDF :1018.1/24

Right Out: -0.060±/0.007 χ^2/NDF : 614.1/28

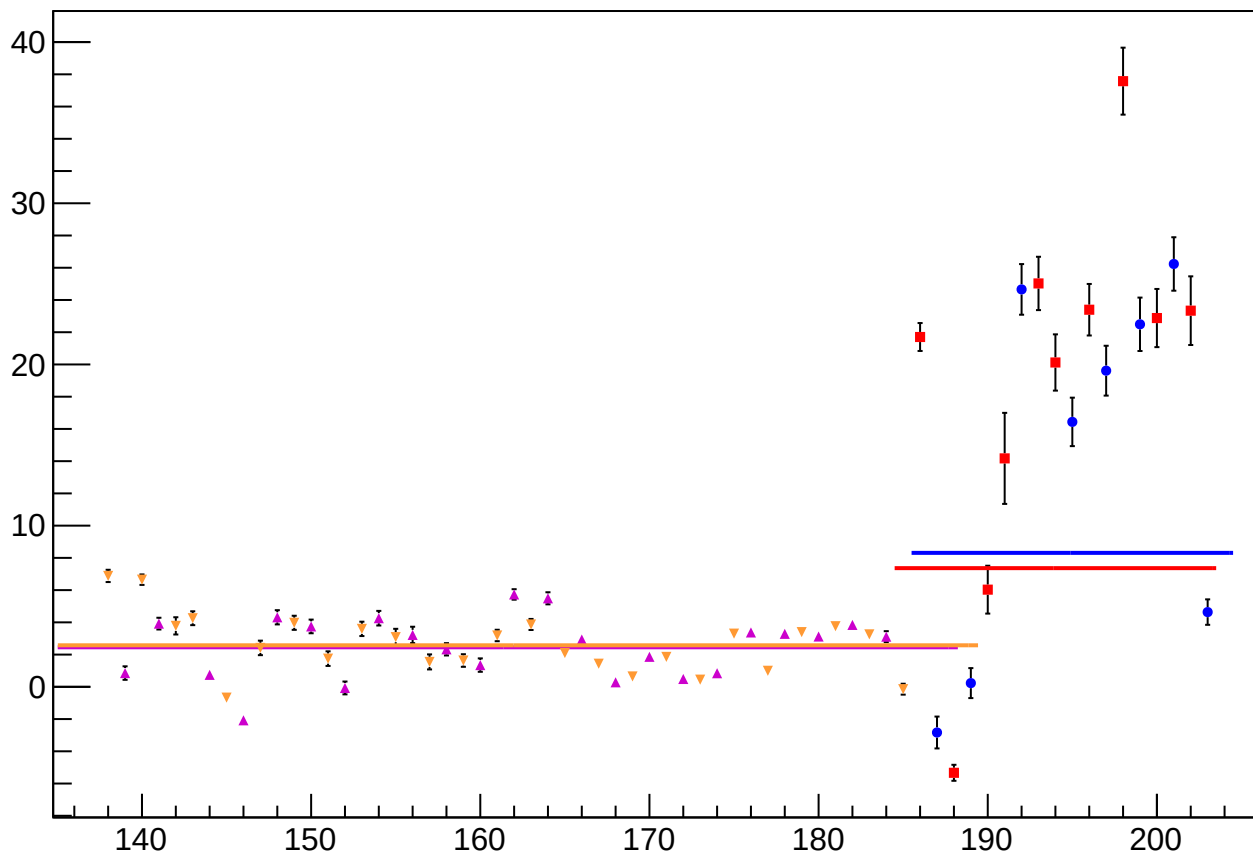
Left In: 0.151±/0.003 χ^2/NDF :1286.5/22

+ sign 0.139±/0.003 χ^2/NDF : 1924.7/49

All: 0.132±/0.002 χ^2/NDF : 4551.0/101

- sign 0.125±/0.003 χ^2/NDF : 2610.8/51

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 8.311 ± 0.416 $\chi^2/\text{NDF}: 605.3/7$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 7.363 ± 0.358 $\chi^2/\text{NDF}: 1544.5/9$

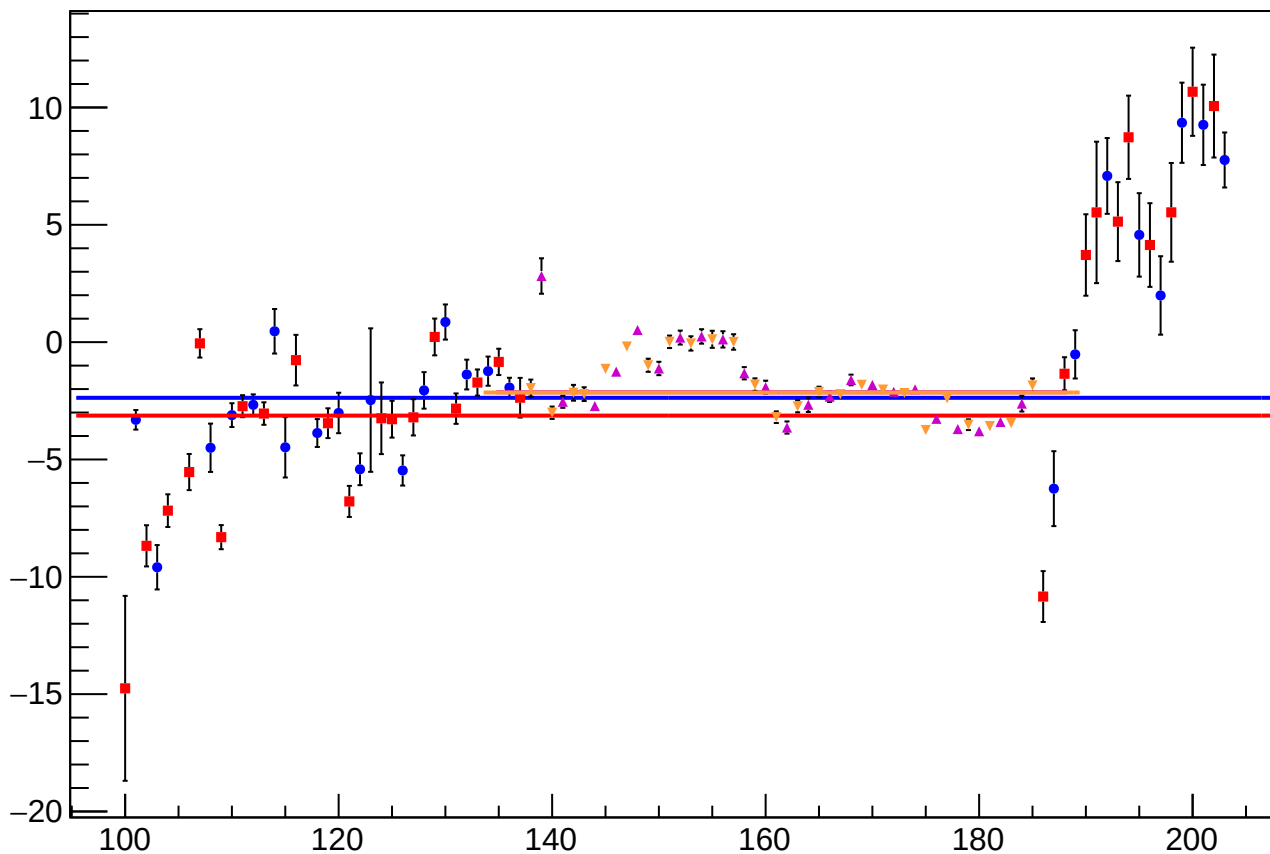
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.687 ± 0.058 $\chi^2/\text{NDF}: 1659.0/32$

All: 2.636 ± 0.041 $\chi^2/\text{NDF}: 4259.8/65$

- sign 2.584 ± 0.059 $\chi^2/\text{NDF}: 2599.2/32$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.372 ± 0.148 $\chi^2/\text{NDF}: 391.1/24$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -3.130 ± 0.146 $\chi^2/\text{NDF}: 571.8/28$

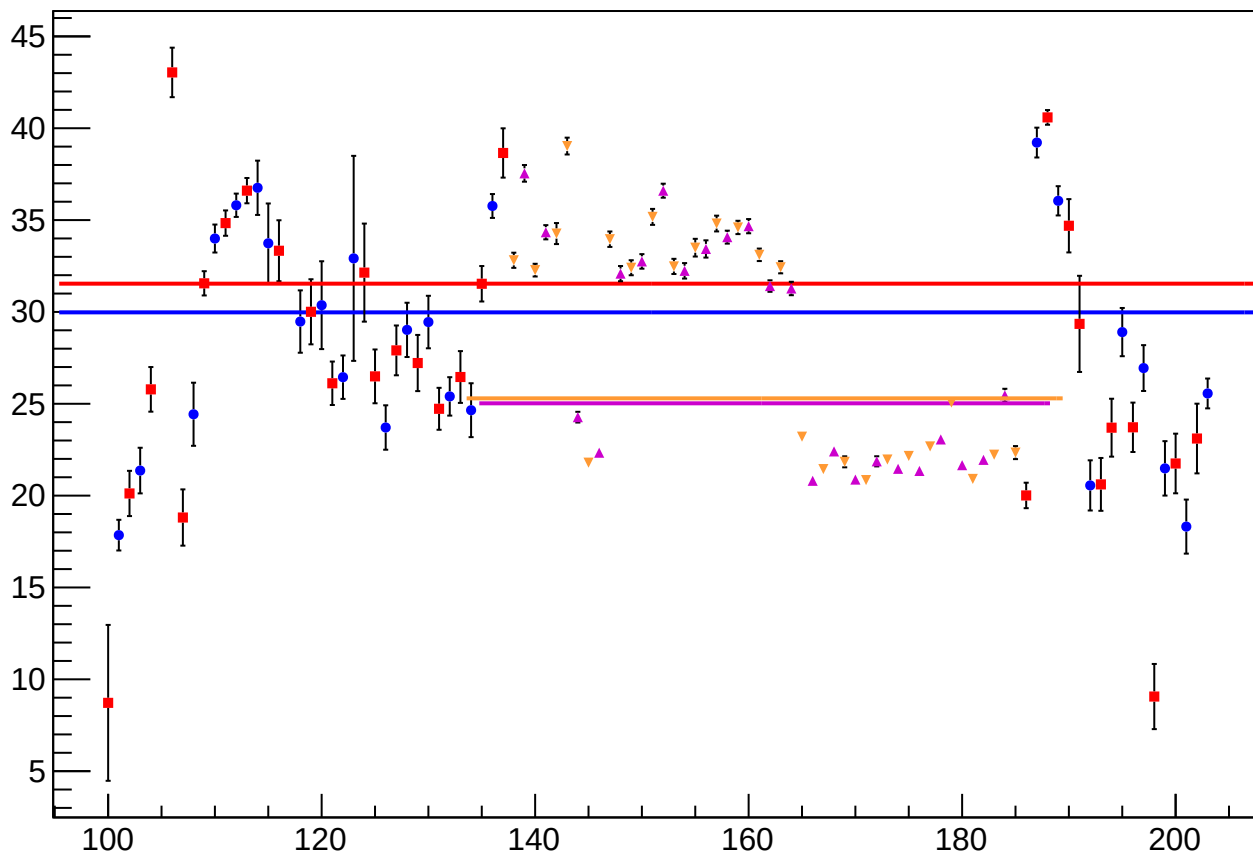
Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

+ sign -2.167 ± 0.045 $\chi^2/\text{NDF}: 966.5/49$

All: -2.200 ± 0.032 $\chi^2/\text{NDF}: 2272.2/101$

- sign -2.234 ± 0.046 $\chi^2/\text{NDF}: 1304.6/51$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.976 $\pm$ 0.217 χ^2 /NDF: 921.0/24

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF:8272.3/24

Right Out: 31.539 $\pm$ 0.196 χ^2 /NDF: 1609.4/28

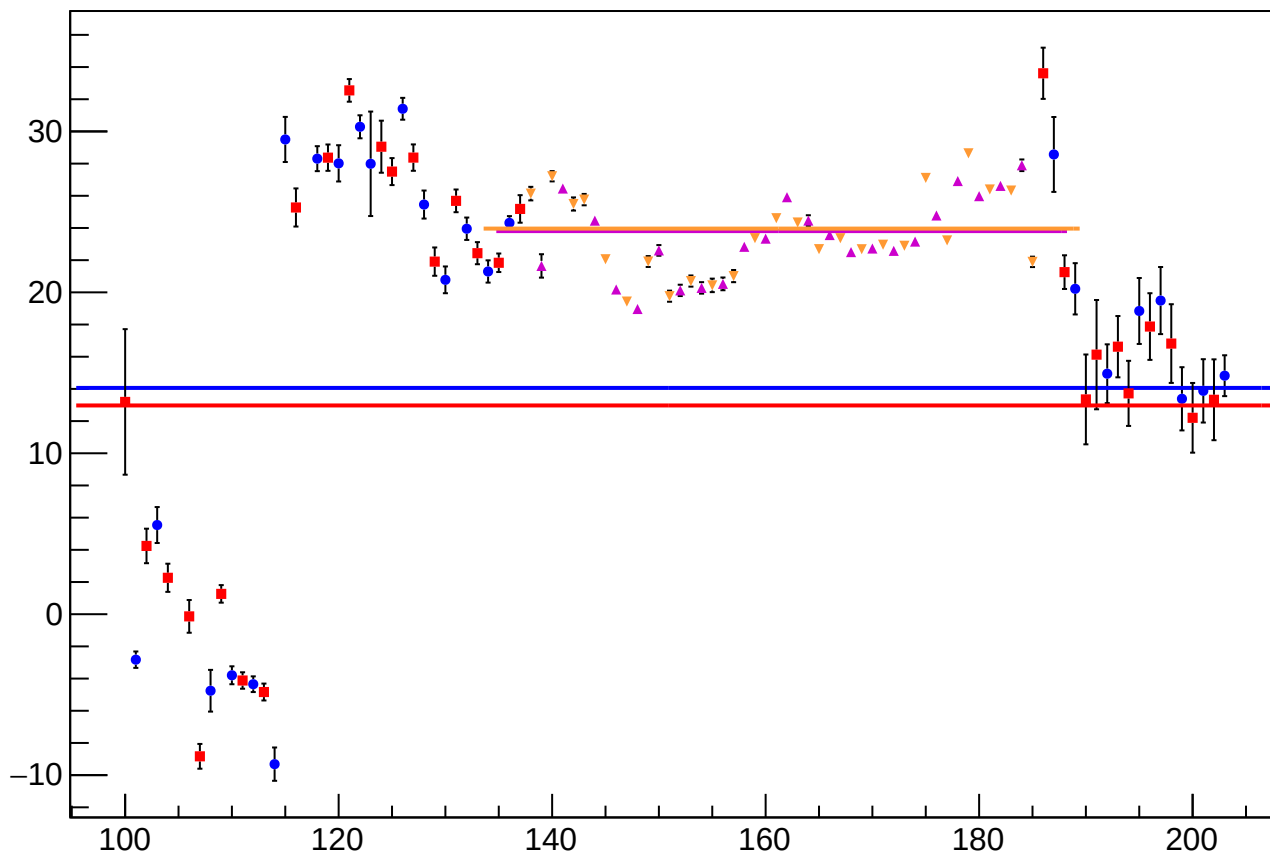
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF:7610.5/22

+ sign 25.616 $\pm$ 0.057 χ^2 /NDF: 9626.6/49

All: 25.597 $\pm$ 0.040 χ^2 /NDF: 19860.4/101

- sign 25.578 $\pm$ 0.057 χ^2 /NDF: 10233.6/51

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.061 $\pm$ 0.167 χ^2 /NDF: 7343.4/24

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.972 $\pm$ 0.167 χ^2 /NDF: 7207.5/28

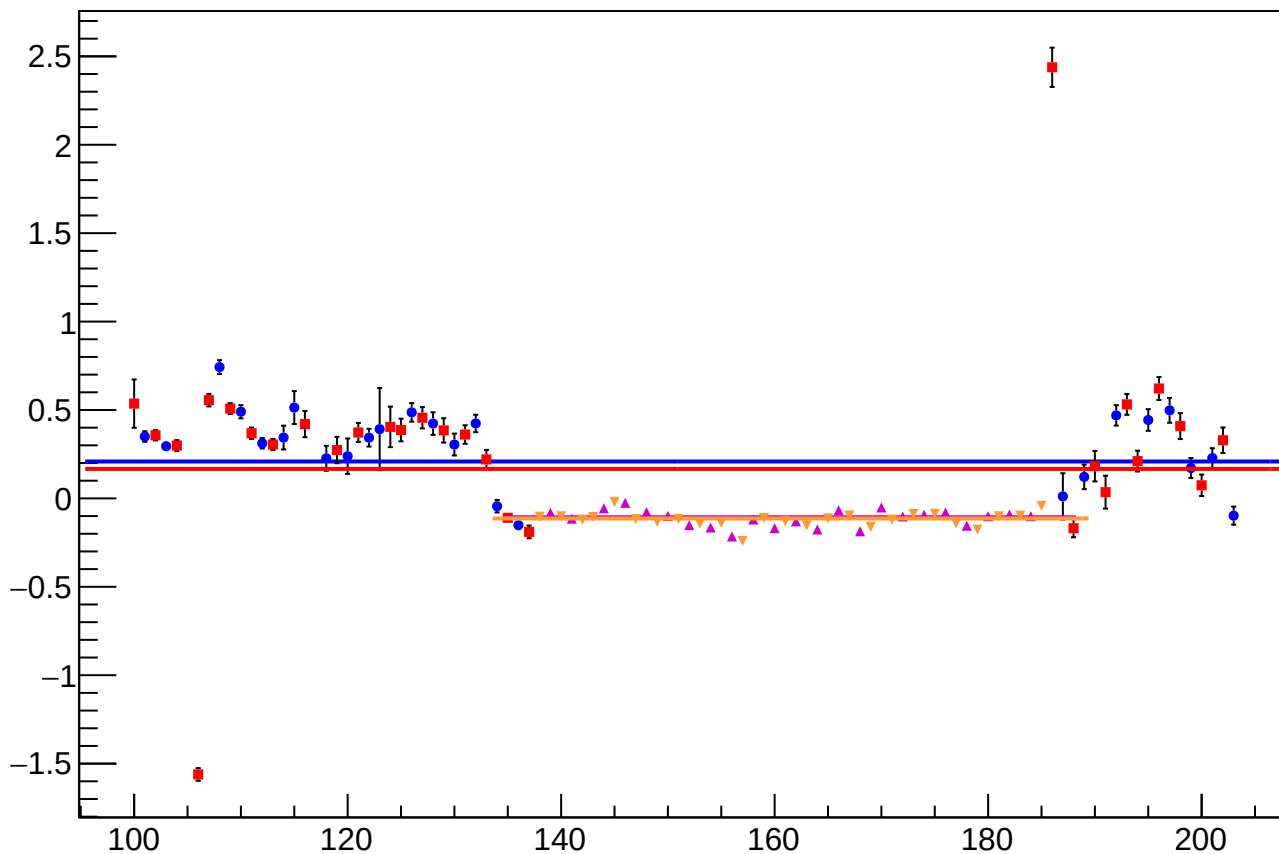
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.050 $\pm$ 0.051 χ^2 /NDF: 12459.7/49

All: 22.917 $\pm$ 0.036 χ^2 /NDF: 25251.3/101

- sign 22.778 $\pm$ 0.051 χ^2 /NDF: 12777.4/51

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.209 ± 0.009 χ^2/NDF : 938.8/24

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.167 ± 0.008 χ^2/NDF : 3591.7/28

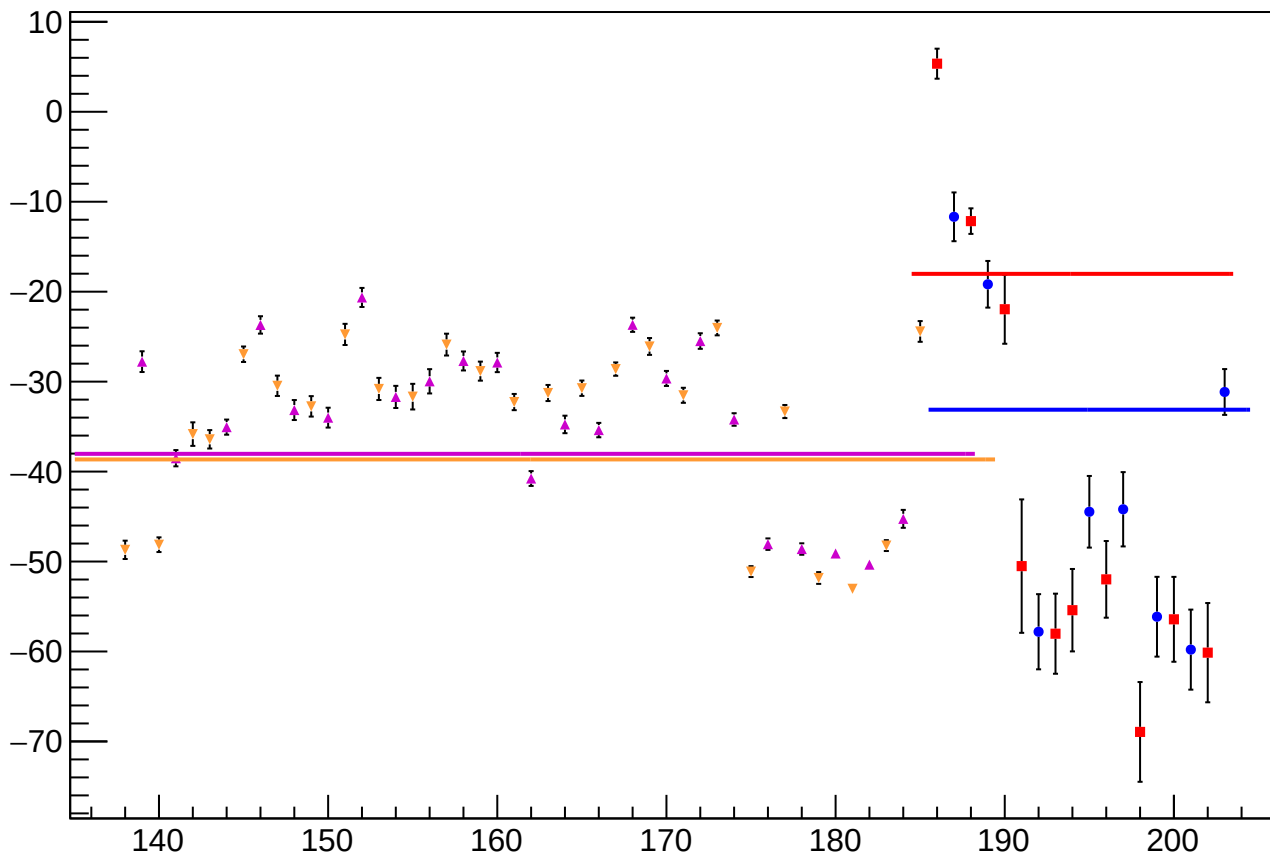
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.090 ± 0.002 χ^2/NDF : 2520.0/49

All: -0.088 ± 0.002 χ^2/NDF : 7396.0/101

- sign -0.085 ± 0.002 χ^2/NDF : 4874.1/51

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -33.122 ± 1.179 χ^2/NDF : 205.1/7

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -18.019 ± 0.912 χ^2/NDF : 652.9/9

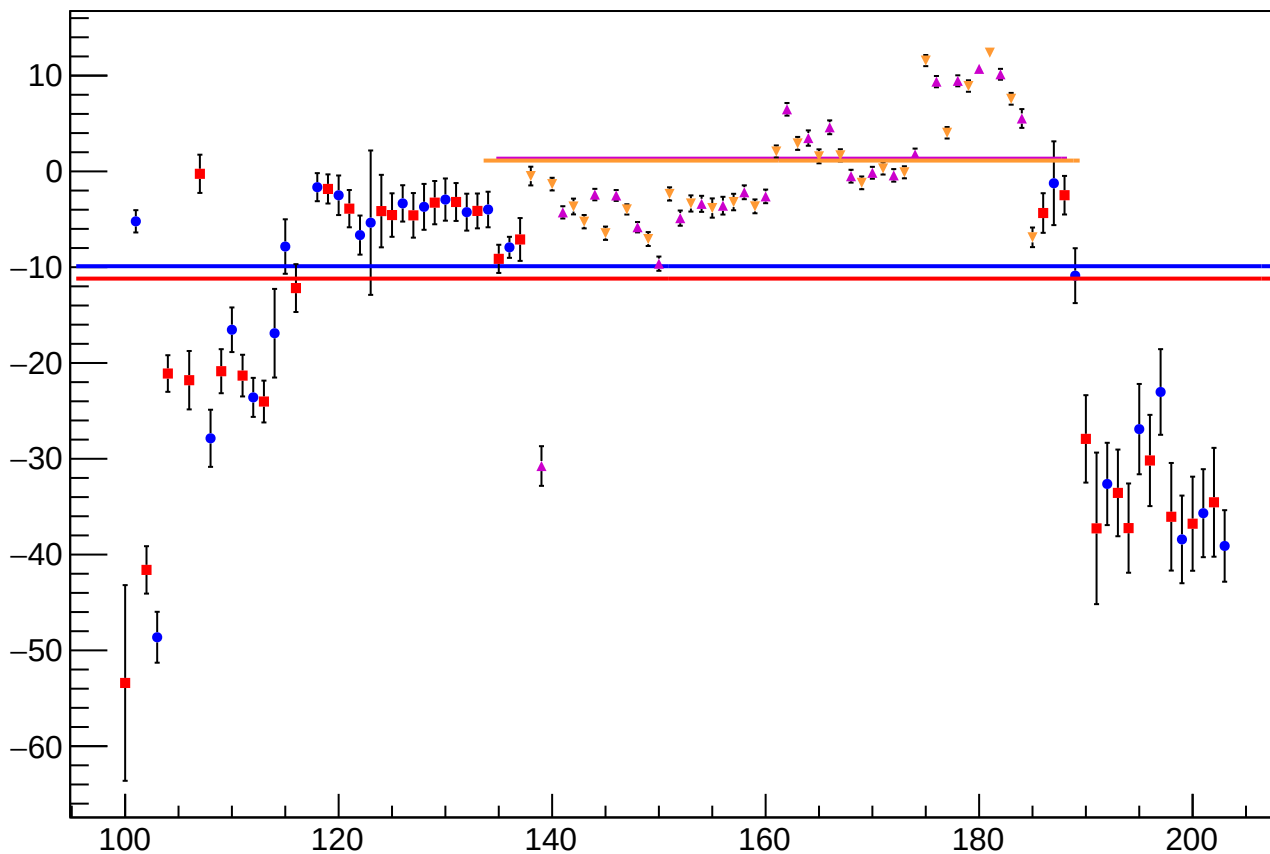
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.538 ± 0.167 χ^2/NDF : 4303.9/32

All: -37.944 ± 0.119 χ^2/NDF : 8539.3/65

- sign -37.330 ± 0.170 χ^2/NDF : 4209.8/32

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -9.897 ± 0.444 χ^2/NDF : 604.4/24

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -11.191 ± 0.451 χ^2/NDF : 621.4/28

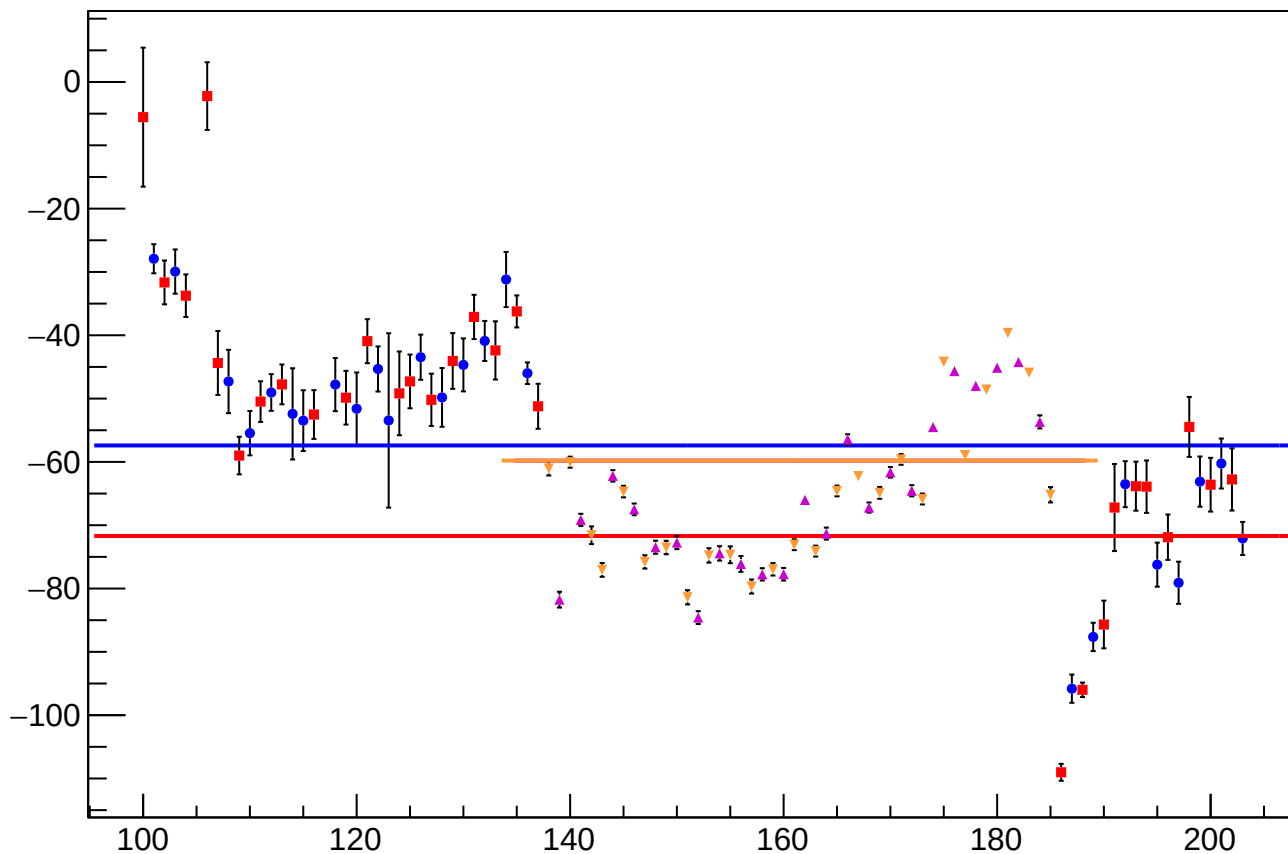
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.182 ± 0.130 χ^2/NDF : 2968.8/49

All: 0.205 ± 0.093 χ^2/NDF : 6342.4/101

- sign 0.230 ± 0.134 χ^2/NDF : 3373.5/51

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -57.403 ± 0.653 χ^2/NDF : 981.4/24

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -71.699 ± 0.570 χ^2/NDF : 2495.5/28

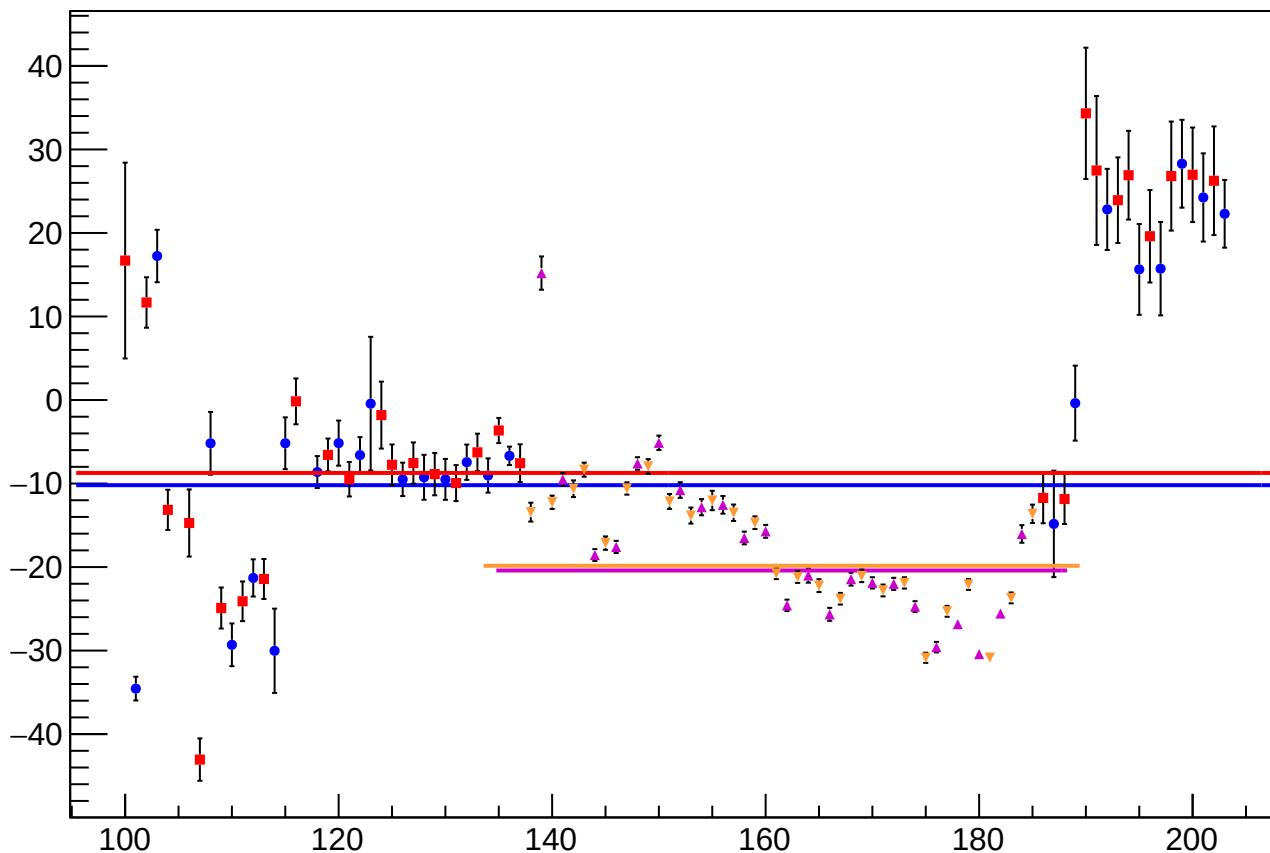
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.637 ± 0.165 χ^2/NDF : 6831.6/49

All: -60.219 ± 0.117 χ^2/NDF : 14969.2/101

- sign -60.810 ± 0.166 χ^2/NDF : 8112.4/51

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -10.196 ± 0.503 χ^2/NDF : 747.3/24

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -8.730 ± 0.521 χ^2/NDF : 638.3/28

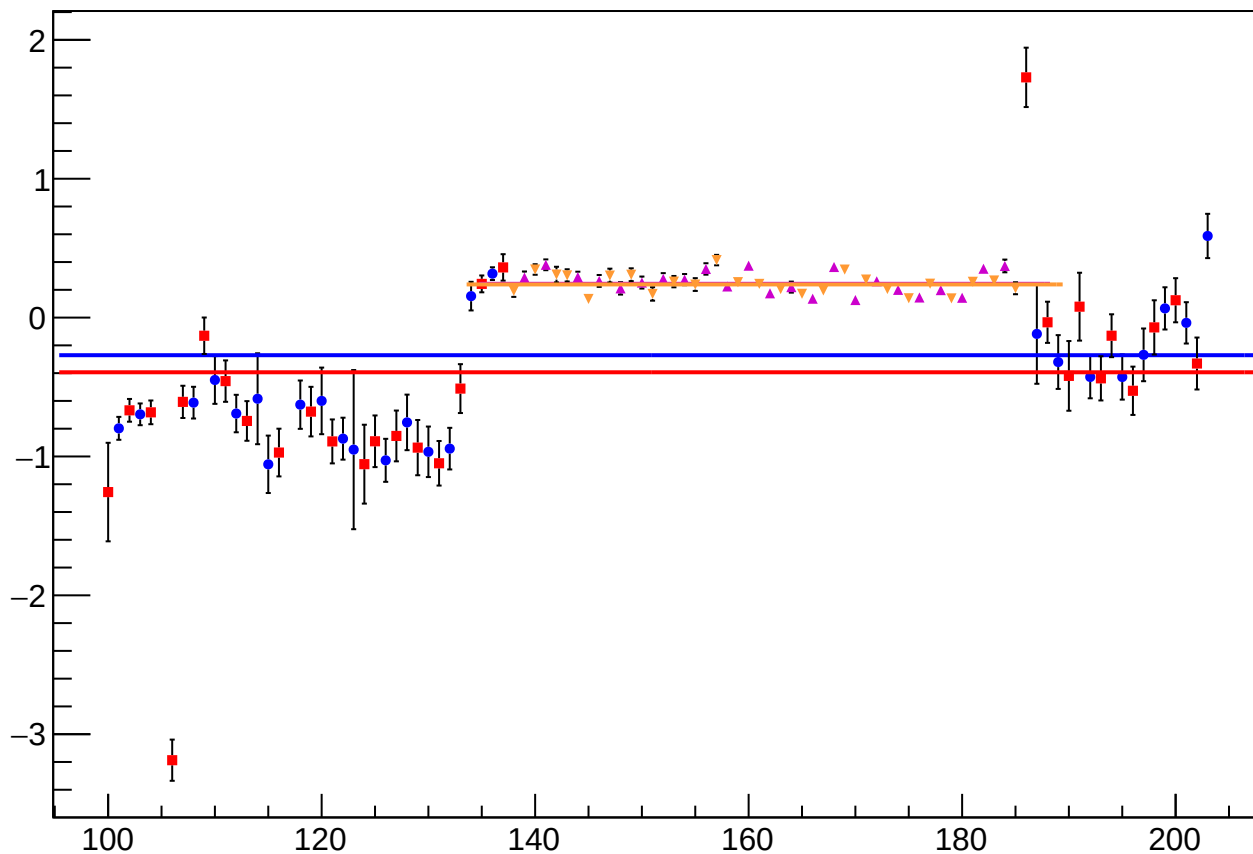
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.031 ± 0.146 χ^2/NDF : 3016.3/49

All: -19.231 ± 0.105 χ^2/NDF : 6421.5/101

- sign -19.441 ± 0.150 χ^2/NDF : 3401.3/51

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.271 ± 0.025 χ^2/NDF : 411.9/24

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.394 ± 0.026 χ^2/NDF : 762.4/28

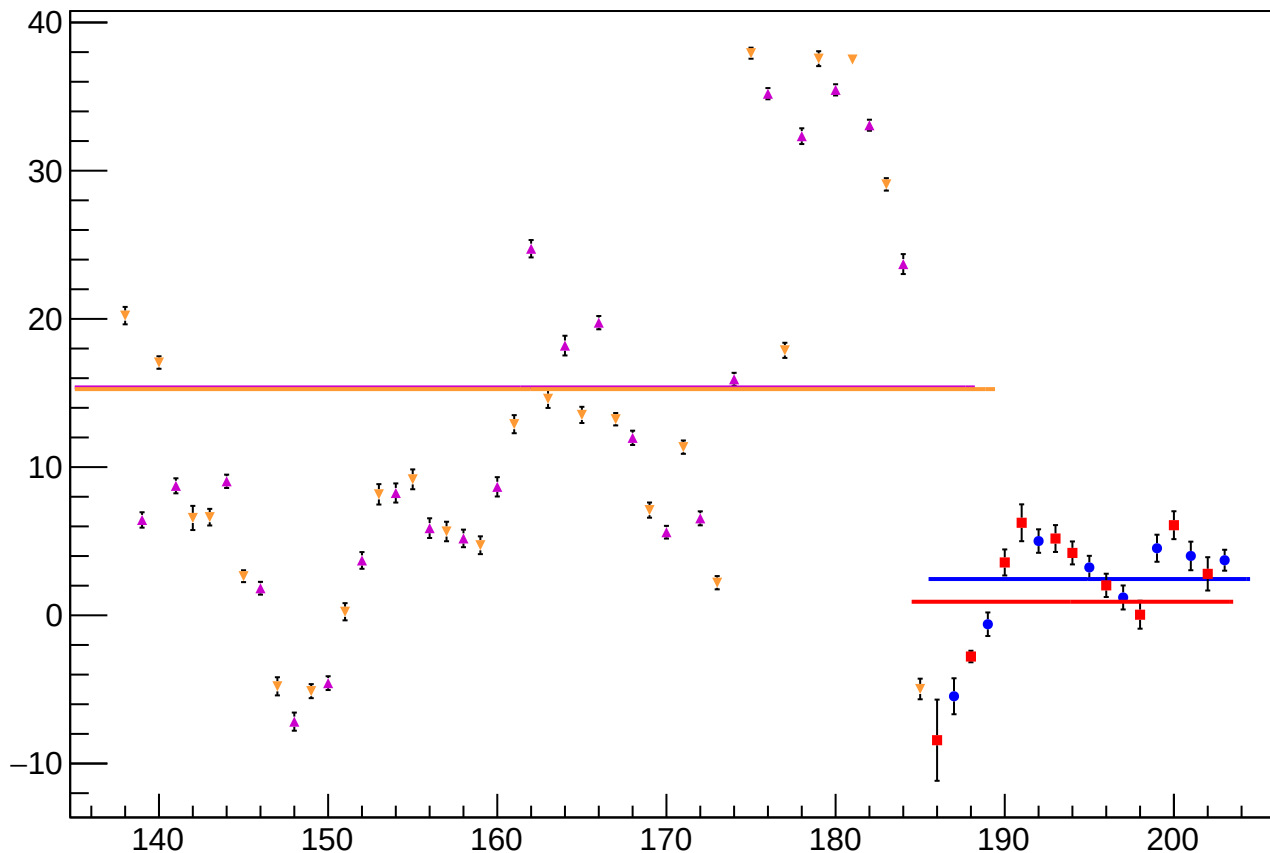
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.202 ± 0.007 χ^2/NDF : 886.3/49

All: 0.199 ± 0.005 χ^2/NDF : 2362.8/101

- sign 0.197 ± 0.007 χ^2/NDF : 1476.2/51

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.448 ± 0.298 χ^2/NDF : 82.0/7

Left Out: 15.263 ± 0.100 χ^2/NDF : 19175.2/24

Right Out: 0.916 ± 0.248 χ^2/NDF : 205.4/9

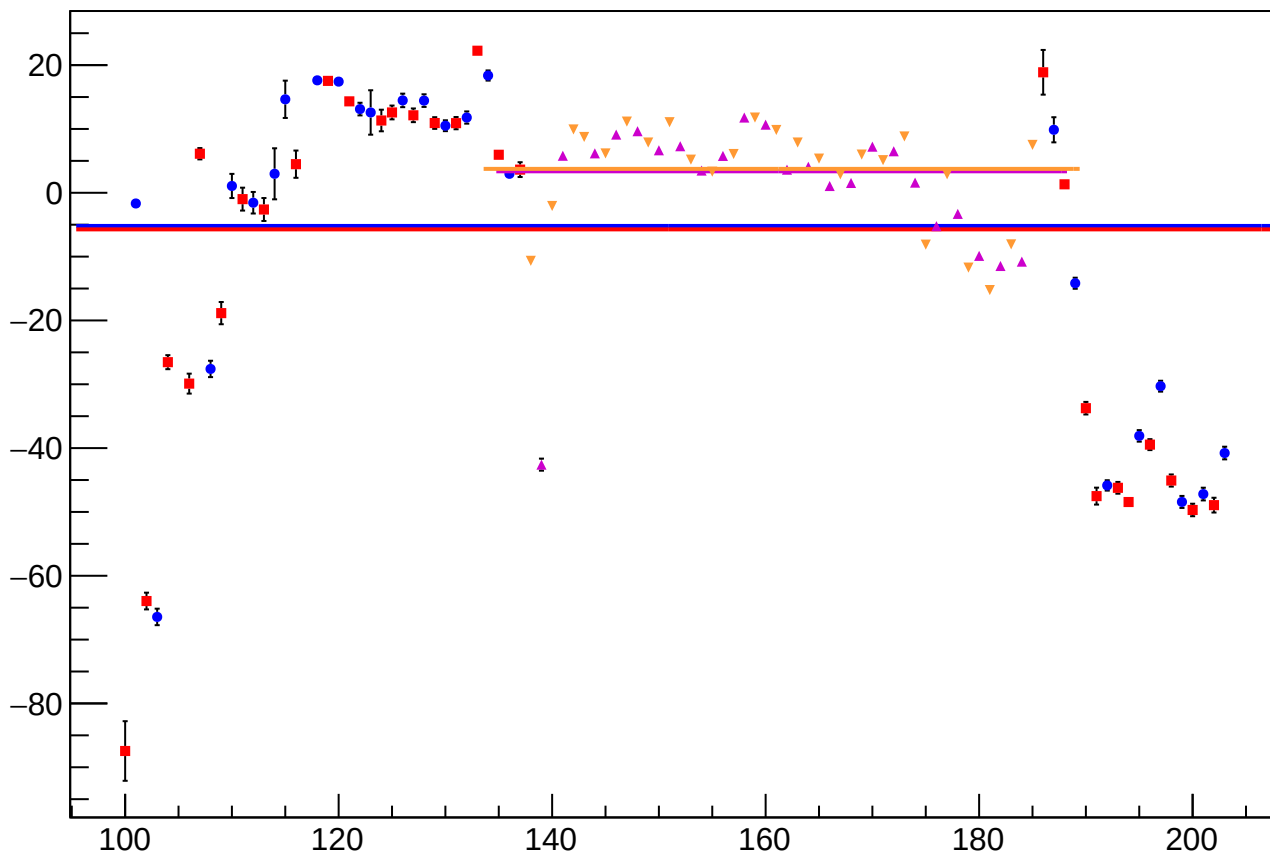
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 13.950 ± 0.095 χ^2/NDF : 20922.3/32

All: 13.605 ± 0.067 χ^2/NDF : 40321.0/65

- sign 13.261 ± 0.095 χ^2/NDF : 19372.4/32

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -5.195 ± 0.183 χ^2/NDF : 18831.2/24

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -5.734 ± 0.172 χ^2/NDF : 24700.6/28

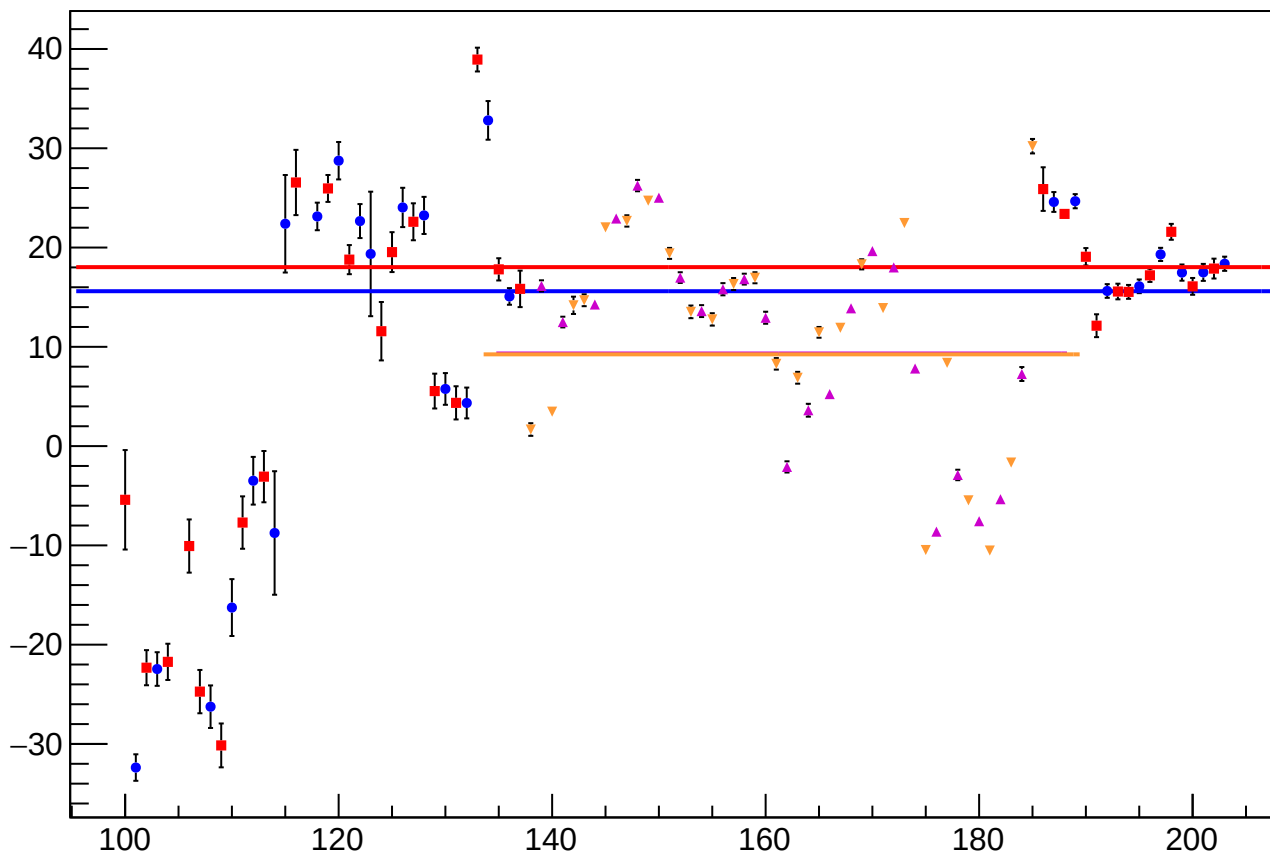
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 2.350 ± 0.072 χ^2/NDF : 30090.9/49

All: 2.035 ± 0.052 χ^2/NDF : 65640.1/101

- sign 1.709 ± 0.073 χ^2/NDF : 35510.6/51

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.602 +/- 0.224 χ^2 /NDF: 2981.7/24

Left Out: 9.242 +/- 0.101 χ^2 /NDF: 13633.2/24

Right Out: 18.027 +/- 0.189 χ^2 /NDF: 3002.1/28

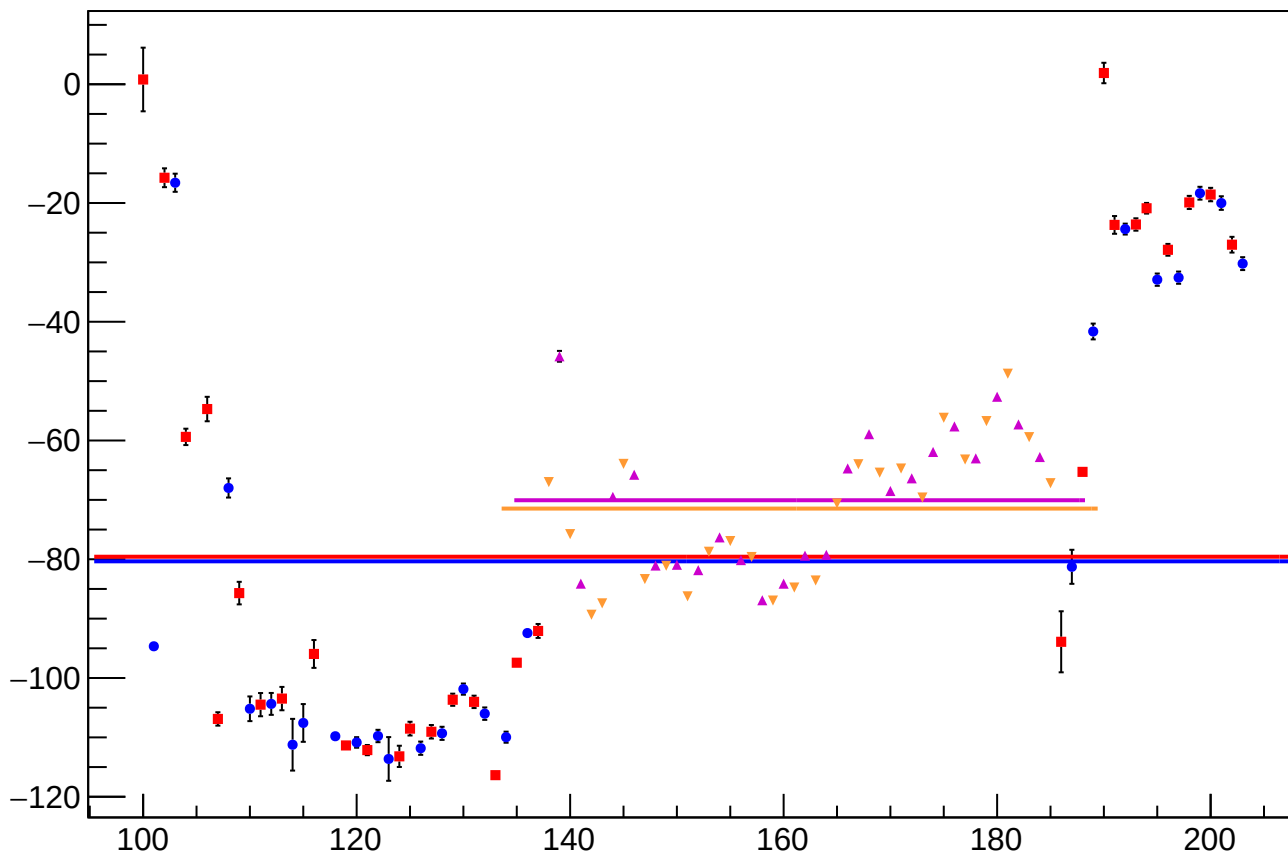
Left In: 9.328 +/- 0.103 χ^2 /NDF: 11968.5/22

+ sign 10.316 +/- 0.092 χ^2 /NDF: 17285.9/49

All: 10.819 +/- 0.064 χ^2 /NDF: 33948.0/101

- sign 11.302 +/- 0.092 χ^2 /NDF: 16603.5/51

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -80.348 ± 0.213 $\chi^2/\text{NDF}: 27860.1/24$

Left Out: -71.465 ± 0.089 $\chi^2/\text{NDF}: 16409.7/24$

Right Out: -79.573 ± 0.204 $\chi^2/\text{NDF}: 35858.7/28$

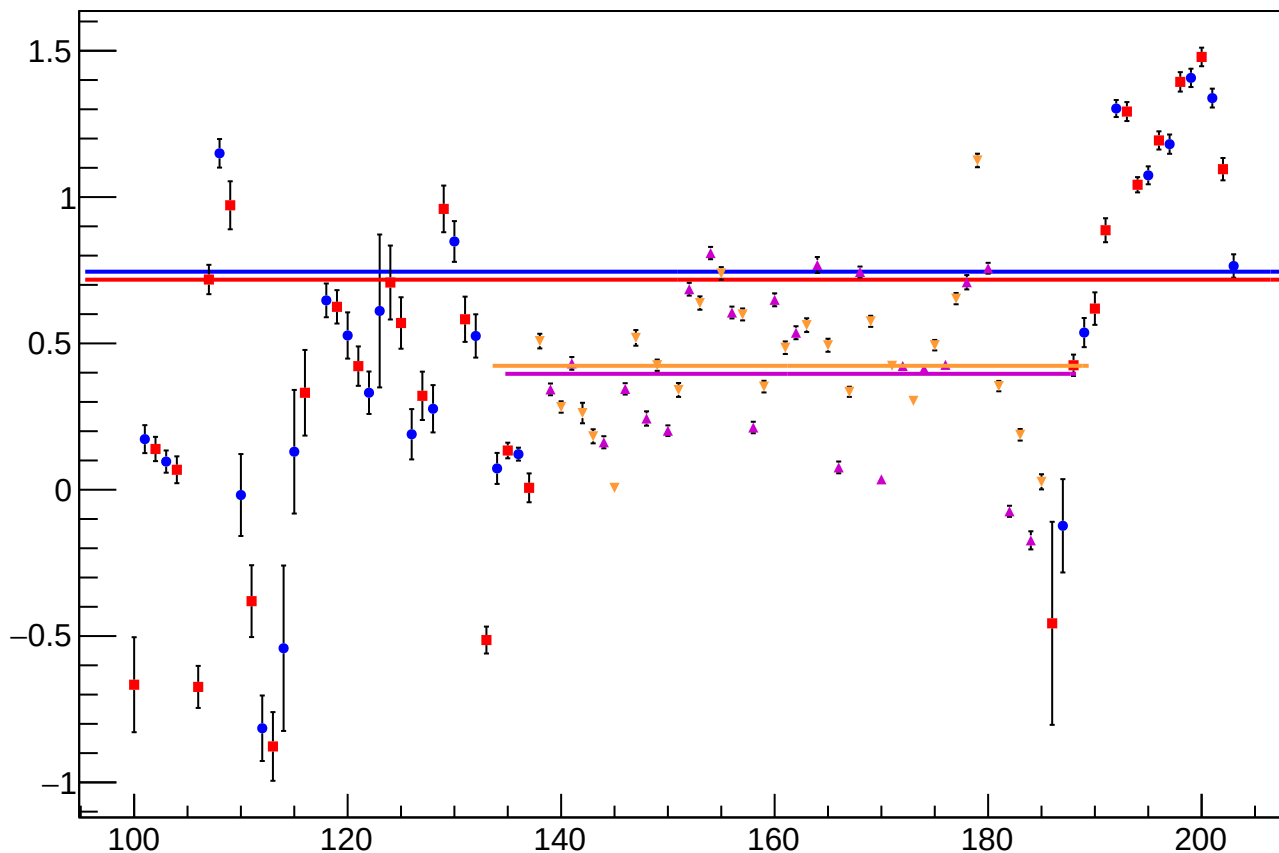
Left In: -70.061 ± 0.092 $\chi^2/\text{NDF}: 13058.5/22$

+ sign -72.795 ± 0.082 $\chi^2/\text{NDF}: 45751.3/49$

All: -72.237 ± 0.059 $\chi^2/\text{NDF}: 96572.1/101$

- sign -71.662 ± 0.084 $\chi^2/\text{NDF}: 50727.7/51$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.745 ± 0.009 $\chi^2/\text{NDF}: 3335.3/24$

Left Out: 0.424 ± 0.004 $\chi^2/\text{NDF}: 2885.0/24$

Right Out: 0.718 ± 0.009 $\chi^2/\text{NDF}: 4473.7/28$

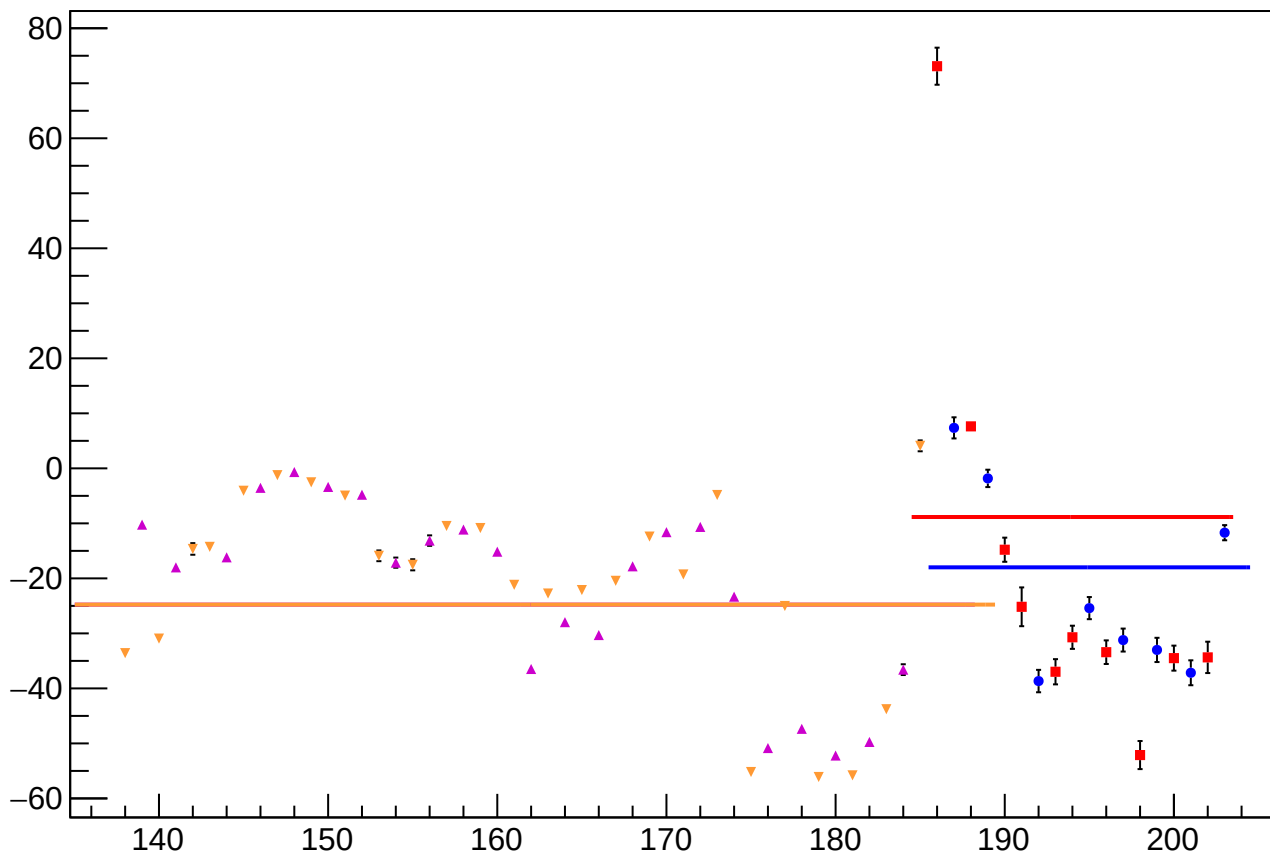
Left In: 0.396 ± 0.004 $\chi^2/\text{NDF}: 4051.5/22$

+ sign 0.476 ± 0.004 $\chi^2/\text{NDF}: 7230.3/49$

All: 0.466 ± 0.003 $\chi^2/\text{NDF}: 16882.6/101$

- sign 0.456 ± 0.004 $\chi^2/\text{NDF}: 9637.9/51$

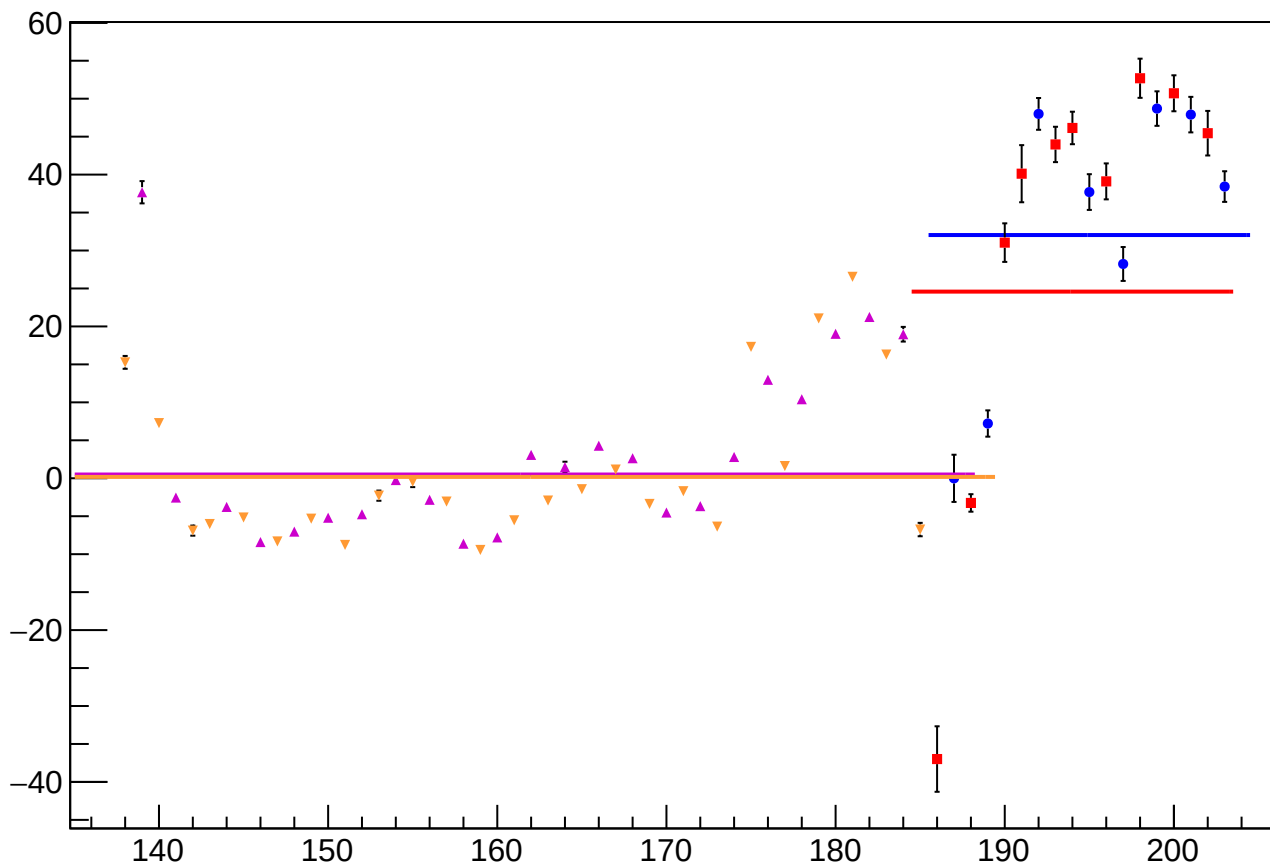
reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -17.994±/-0.657 χ^2/NDF : 574.6/7
 Left Out: -24.769±/-0.139 χ^2/NDF :18318.8/24
 Right Out: -8.846±/-0.574 χ^2/NDF : 1928.6/9
 Left In: -24.775±/-0.143 χ^2/NDF :14807.4/22

+ sign -24.477±/-0.136 χ^2/NDF : 18995.1/32
 All: -24.166±/-0.097 χ^2/NDF : 36467.9/65
 - sign -23.846±/-0.139 χ^2/NDF : 17462.2/32

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 32.039+/-0.774 χ^2/NDF : 488.0/7

Left Out: 0.177+/-0.109 χ^2/NDF : 8295.6/24

Right Out: 24.586+/-0.697 χ^2/NDF : 1309.6/9

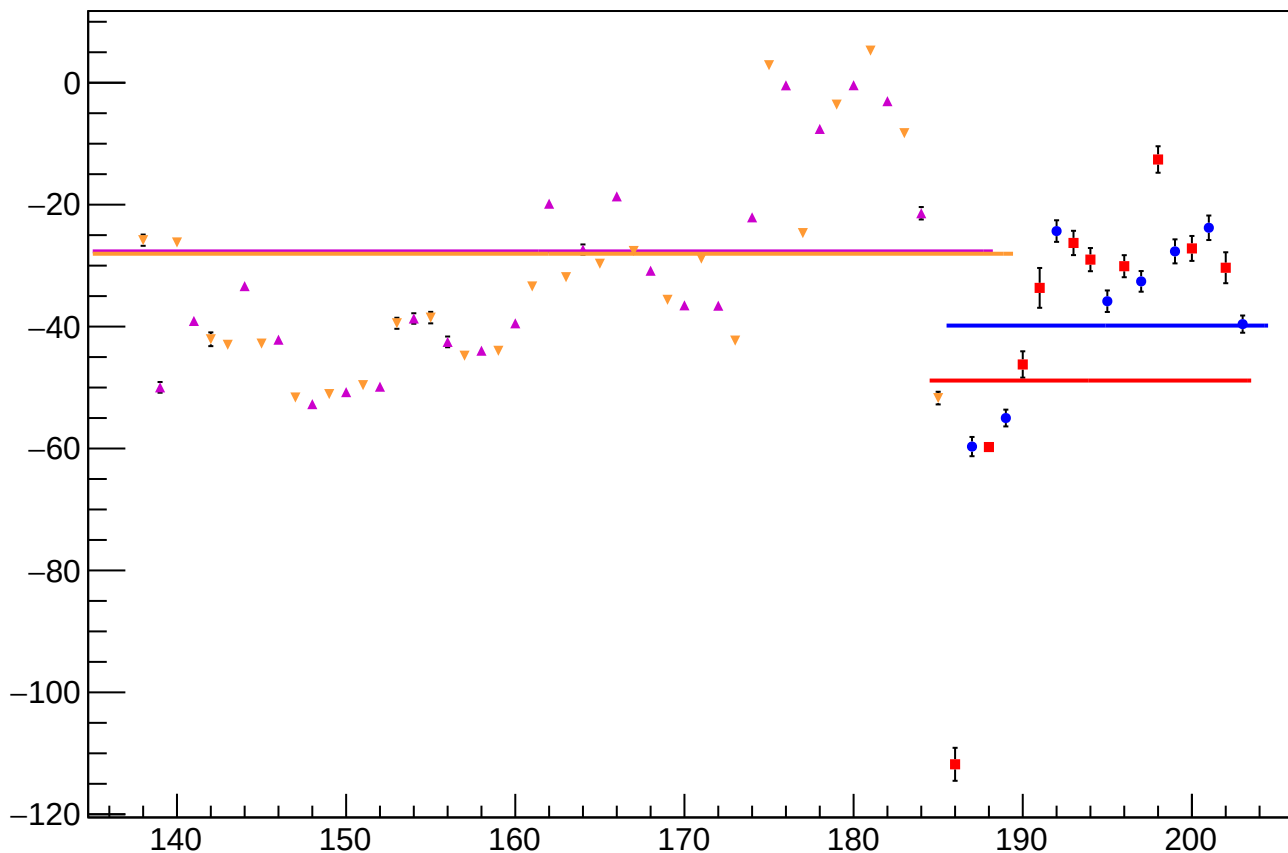
Left In: 0.493+/-0.112 χ^2/NDF : 6555.4/22

+ sign 0.791+/-0.107 χ^2/NDF : 10443.8/32

All: 0.941+/-0.077 χ^2/NDF : 19477.1/65

- sign 1.101+/-0.111 χ^2/NDF : 9029.2/32

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.836 ± 0.585 χ^2/NDF : 481.4/7

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -48.852 ± 0.484 χ^2/NDF : 1636.8/9

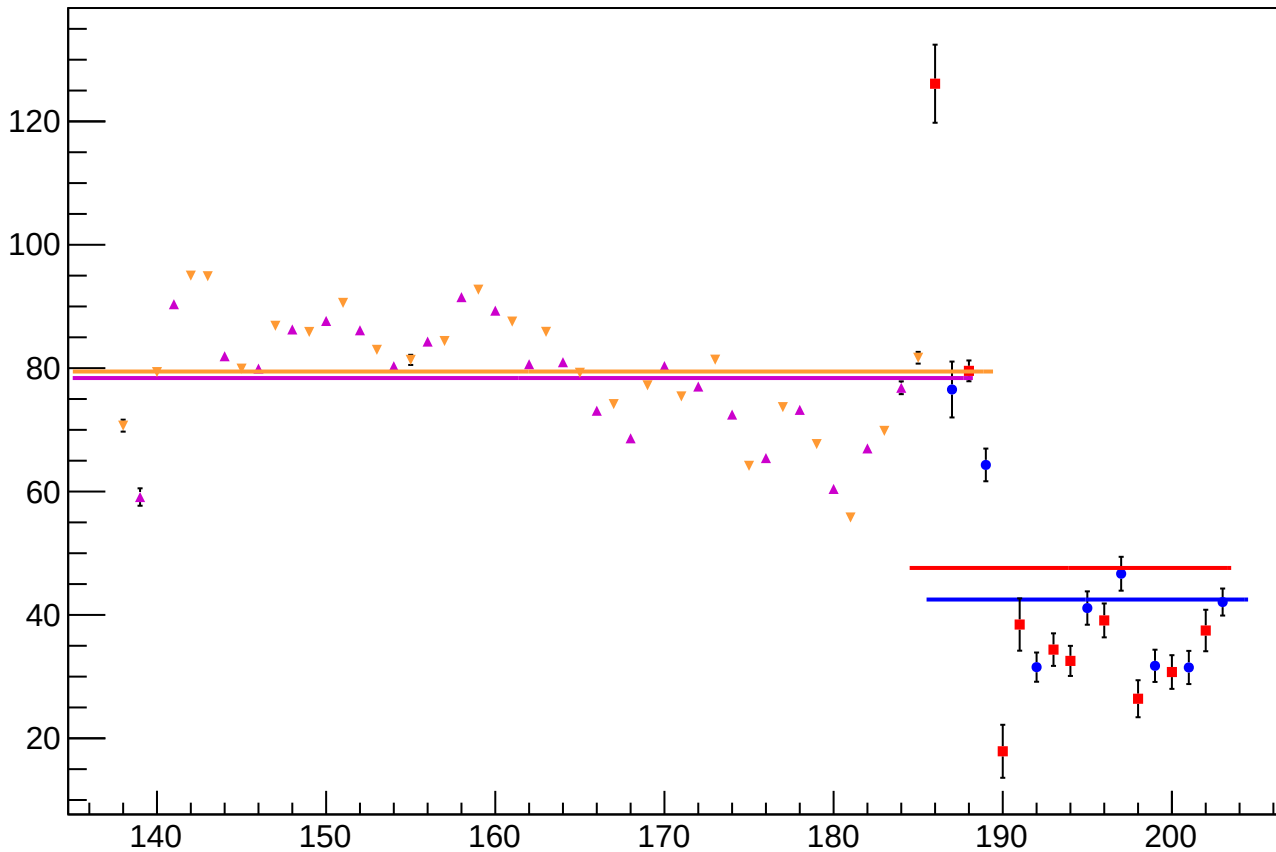
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -28.687 ± 0.136 χ^2/NDF : 18010.0/32

All: -29.020 ± 0.096 χ^2/NDF : 36425.3/65

- sign -29.355 ± 0.137 χ^2/NDF : 18403.3/32

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 42.495 $\pm$ 0.940 χ^2 /NDF: 182.0/7

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF: 6077.1/24

Right Out: 47.614 $\pm$ 0.889 χ^2 /NDF: 735.4/9

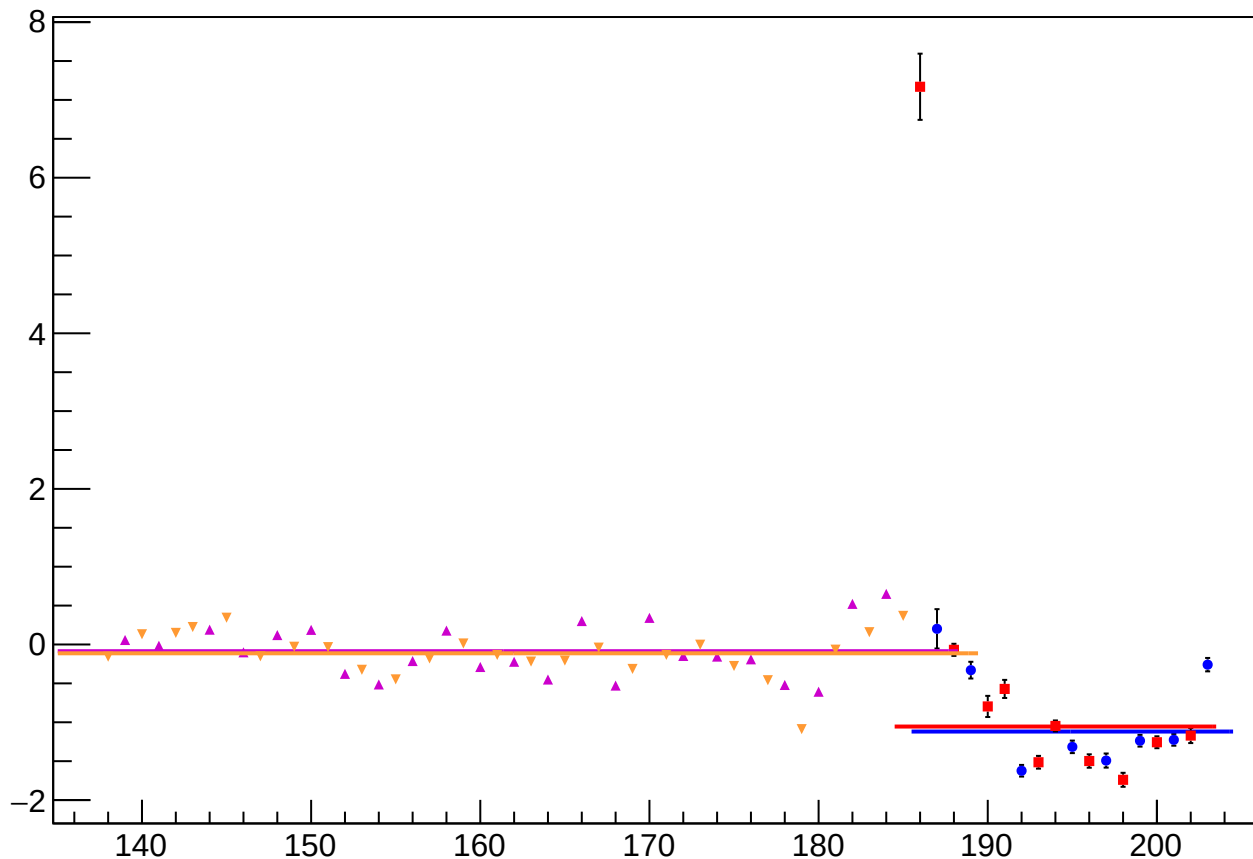
Left In: 78.396 $\pm$ 0.127 χ^2 /NDF: 4707.3/22

+ sign 78.832 $\pm$ 0.122 χ^2 /NDF: 7779.5/32

All: 78.322 $\pm$ 0.088 χ^2 /NDF: 14432.3/65

- sign 77.783 $\pm$ 0.125 χ^2 /NDF: 6617.0/32

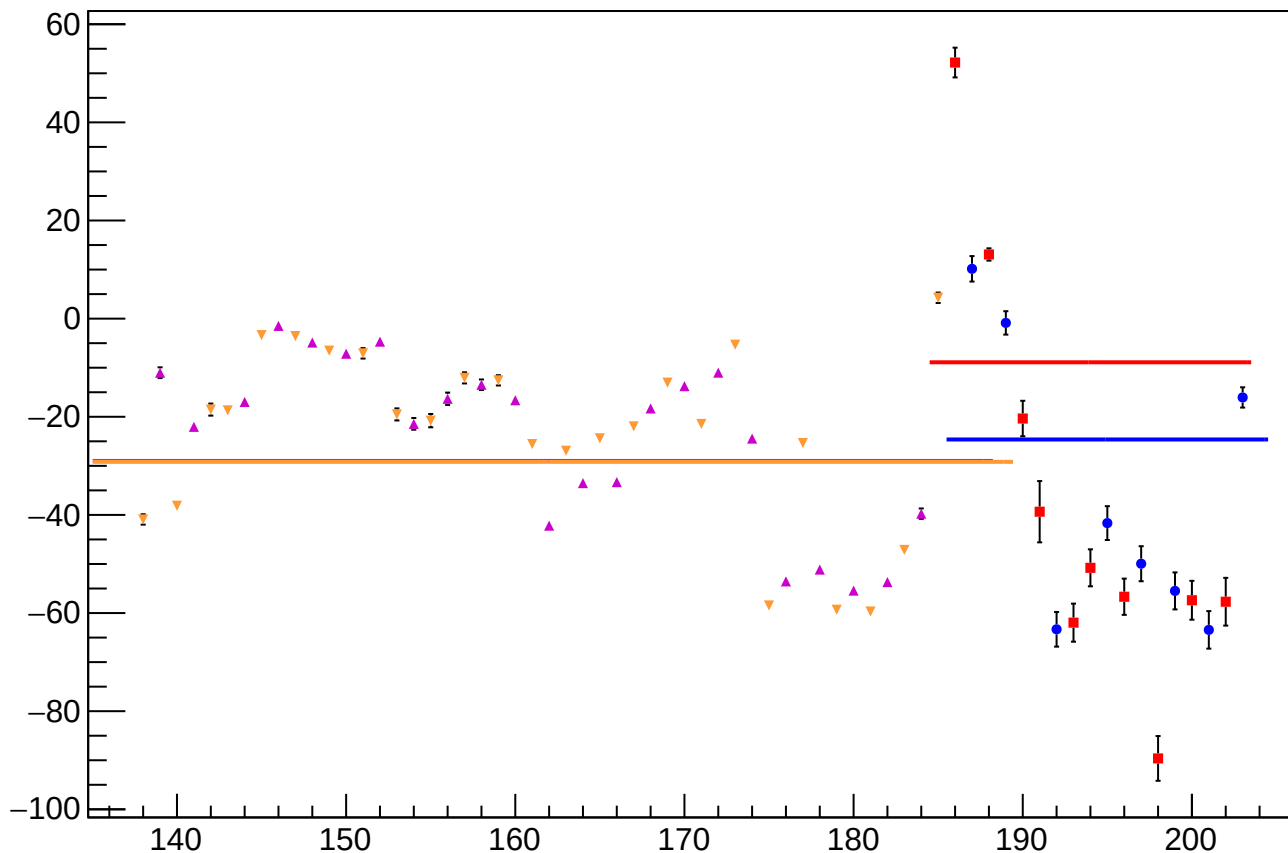
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.119 ± 0.031 χ^2/NDF : 253.0/7
 Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24
 Right Out: -1.055 ± 0.029 χ^2/NDF : 679.3/9
 Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.146 ± 0.006 χ^2/NDF : 3574.1/32
 All: -0.135 ± 0.004 χ^2/NDF : 8461.2/65
 - sign -0.123 ± 0.006 χ^2/NDF : 4878.9/32

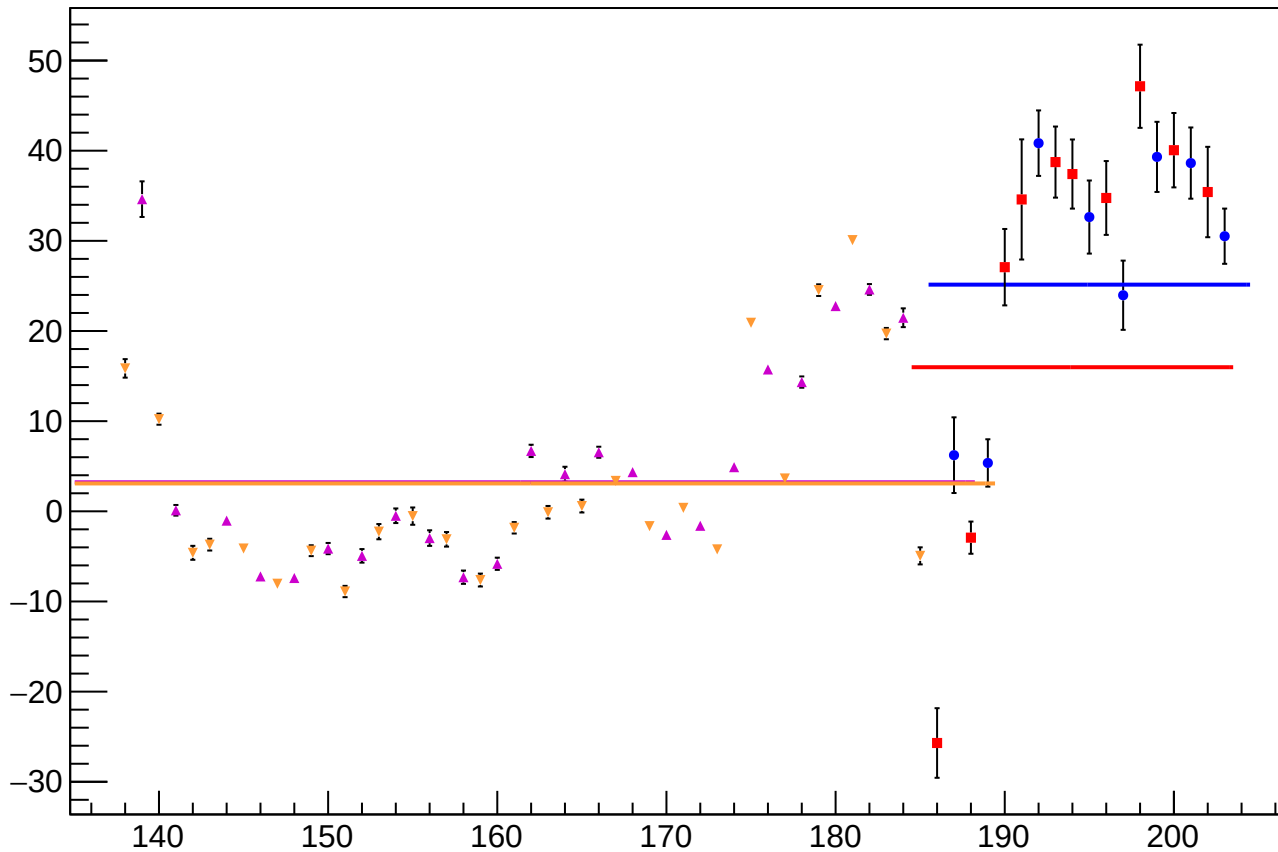
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -24.626 ± 1.032 $\chi^2/\text{NDF}: 660.4/7$
 Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$
 Right Out: -8.896 ± 0.908 $\chi^2/\text{NDF}: 1789.9/9$
 Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -29.077 ± 0.155 $\chi^2/\text{NDF}: 17591.7/32$
 All: -28.743 ± 0.110 $\chi^2/\text{NDF}: 33283.6/65$
 - sign -28.399 ± 0.157 $\chi^2/\text{NDF}: 15682.4/32$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 25.142 ± 1.247 $\chi^2/\text{NDF}: 127.2/7$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 15.983 ± 1.120 $\chi^2/\text{NDF}: 423.7/9$

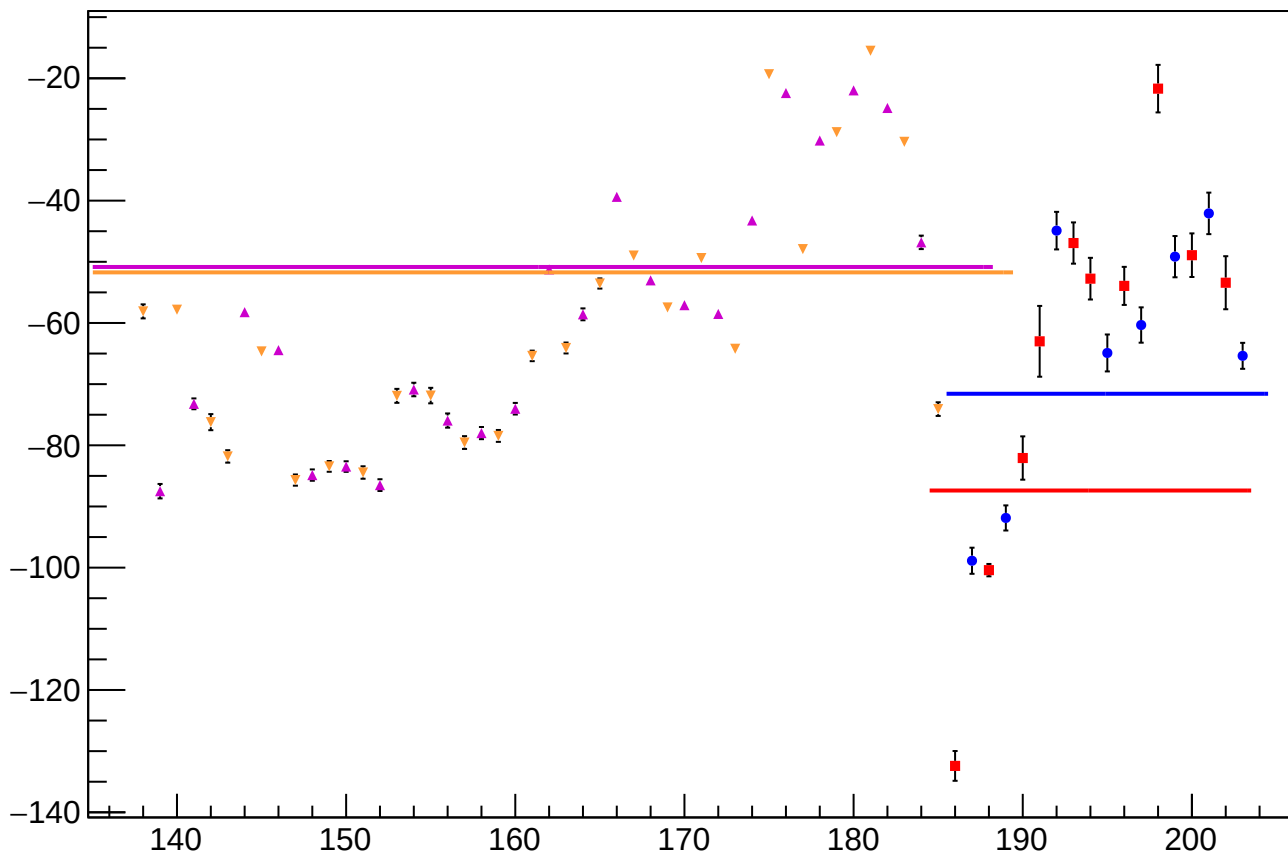
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.308 ± 0.124 $\chi^2/\text{NDF}: 8520.9/32$

All: 3.345 ± 0.088 $\chi^2/\text{NDF}: 15310.5/65$

- sign 3.383 ± 0.126 $\chi^2/\text{NDF}: 6789.4/32$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -71.573 ± 0.917 χ^2/NDF : 485.1/7

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -87.391 ± 0.760 χ^2/NDF : 1354.4/9

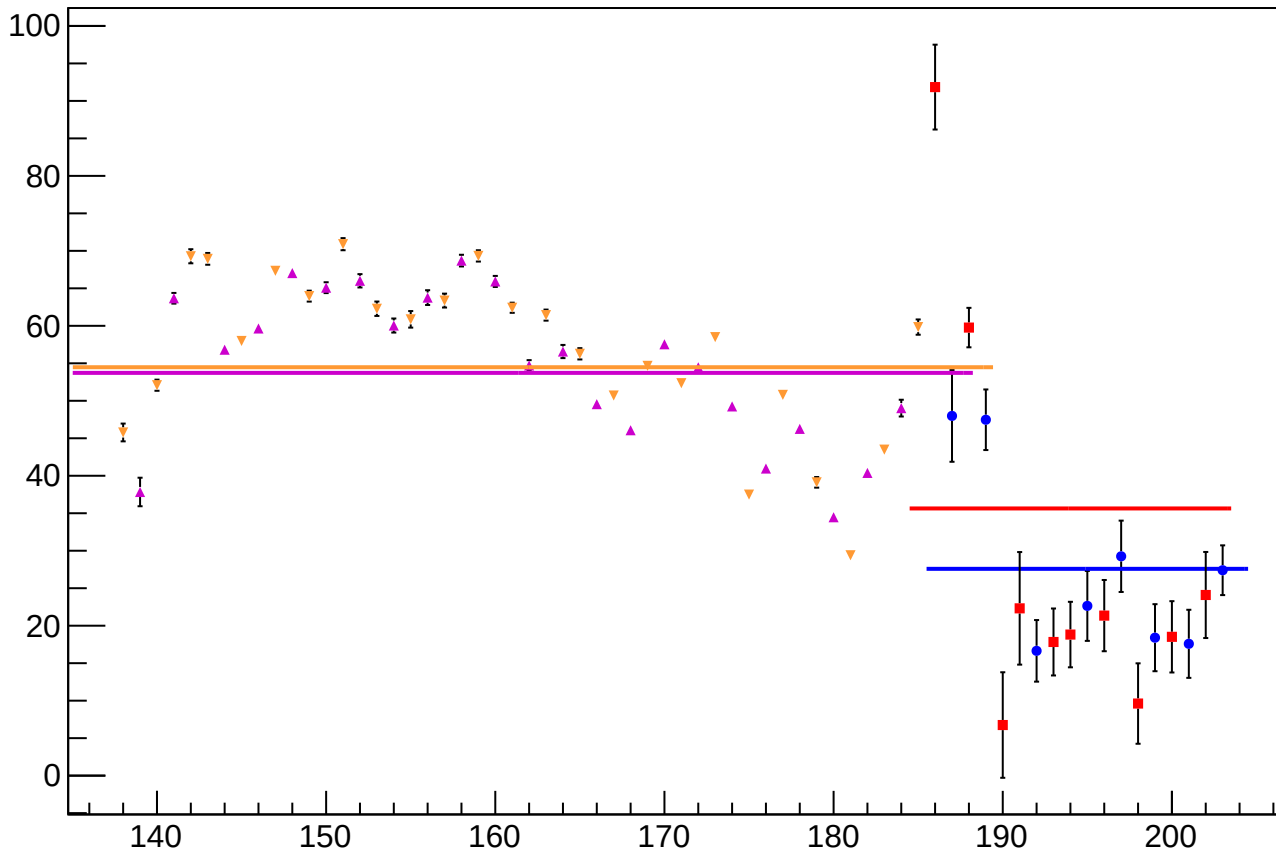
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -52.300 ± 0.156 χ^2/NDF : 20477.8/32

All: -52.349 ± 0.110 χ^2/NDF : 41320.3/65

- sign -52.398 ± 0.157 χ^2/NDF : 20842.3/32

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 27.585 ± 1.531 $\chi^2/\text{NDF}: 52.8/7$

Left Out: 54.476 ± 0.140 $\chi^2/\text{NDF}: 6266.9/24$

Right Out: 35.639 ± 1.459 $\chi^2/\text{NDF}: 283.0/9$

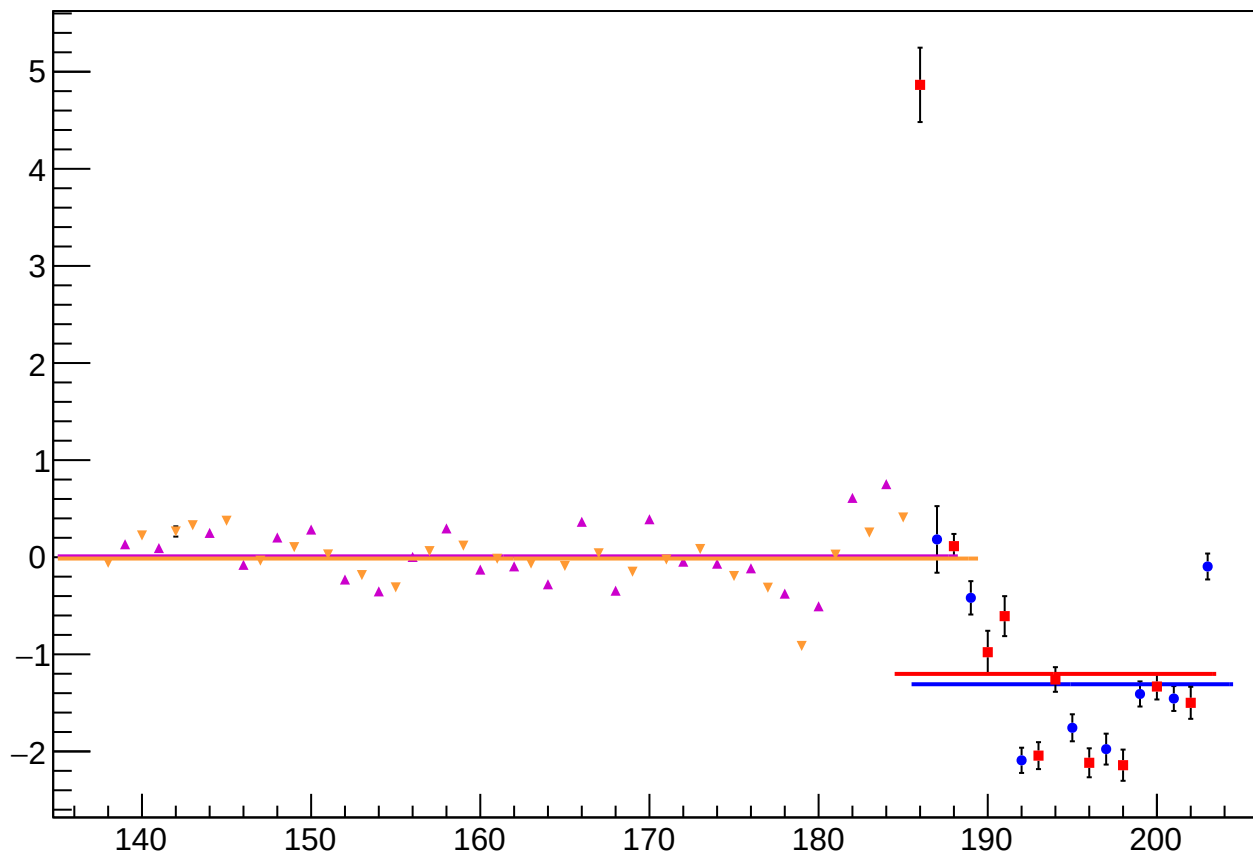
Left In: 53.724 ± 0.143 $\chi^2/\text{NDF}: 4585.7/22$

+ sign 54.252 ± 0.140 $\chi^2/\text{NDF}: 6625.7/32$

All: 53.909 ± 0.100 $\chi^2/\text{NDF}: 11658.9/65$

- sign 53.551 ± 0.142 $\chi^2/\text{NDF}: 5020.9/32$

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.308 ± 0.052 χ^2/NDF : 194.6/7

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -1.202 ± 0.050 χ^2/NDF : 482.8/9

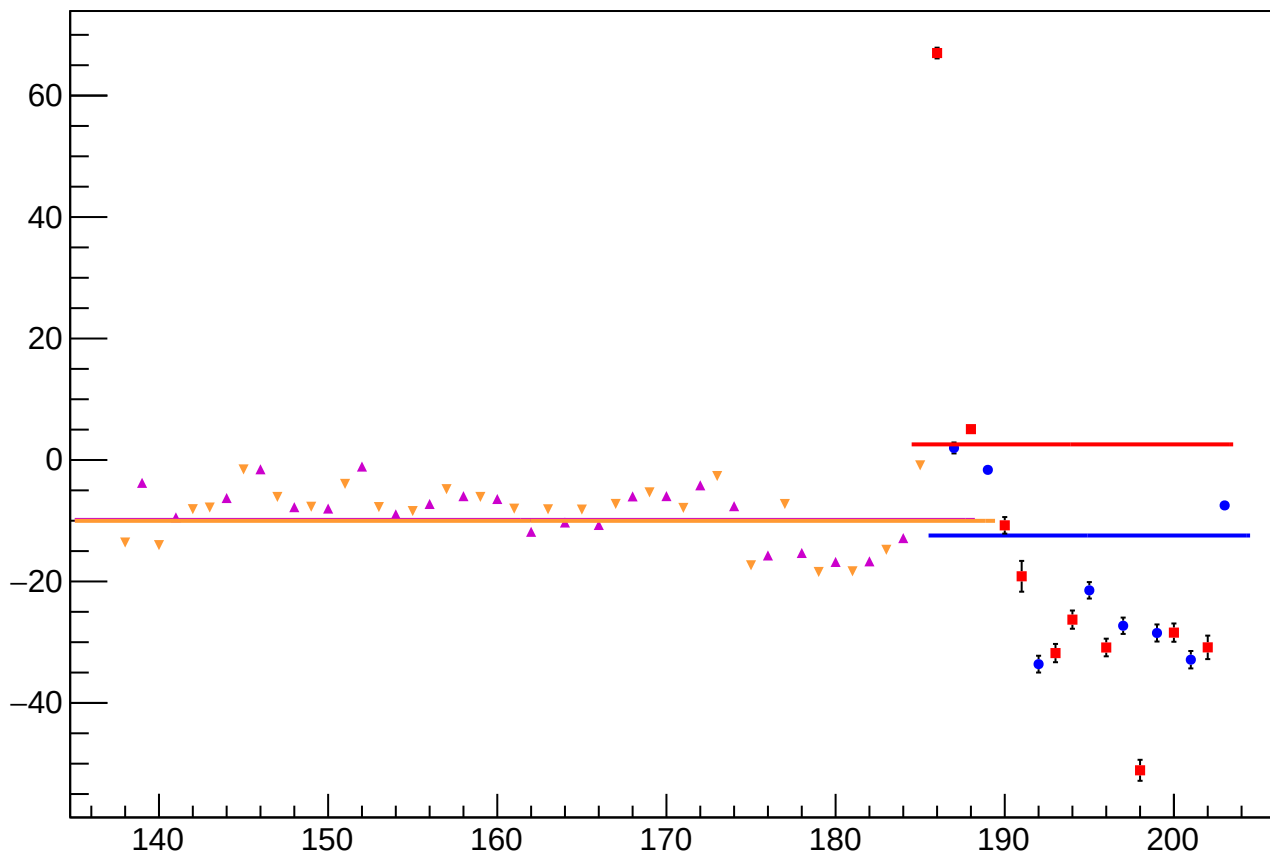
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.033 ± 0.006 χ^2/NDF : 2459.5/32

All: -0.023 ± 0.005 χ^2/NDF : 5751.7/65

- sign -0.012 ± 0.007 χ^2/NDF : 3286.6/32

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -12.435 ± 0.376 χ^2/NDF : 1203.8/7

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 2.570 ± 0.326 χ^2/NDF : 8610.3/9

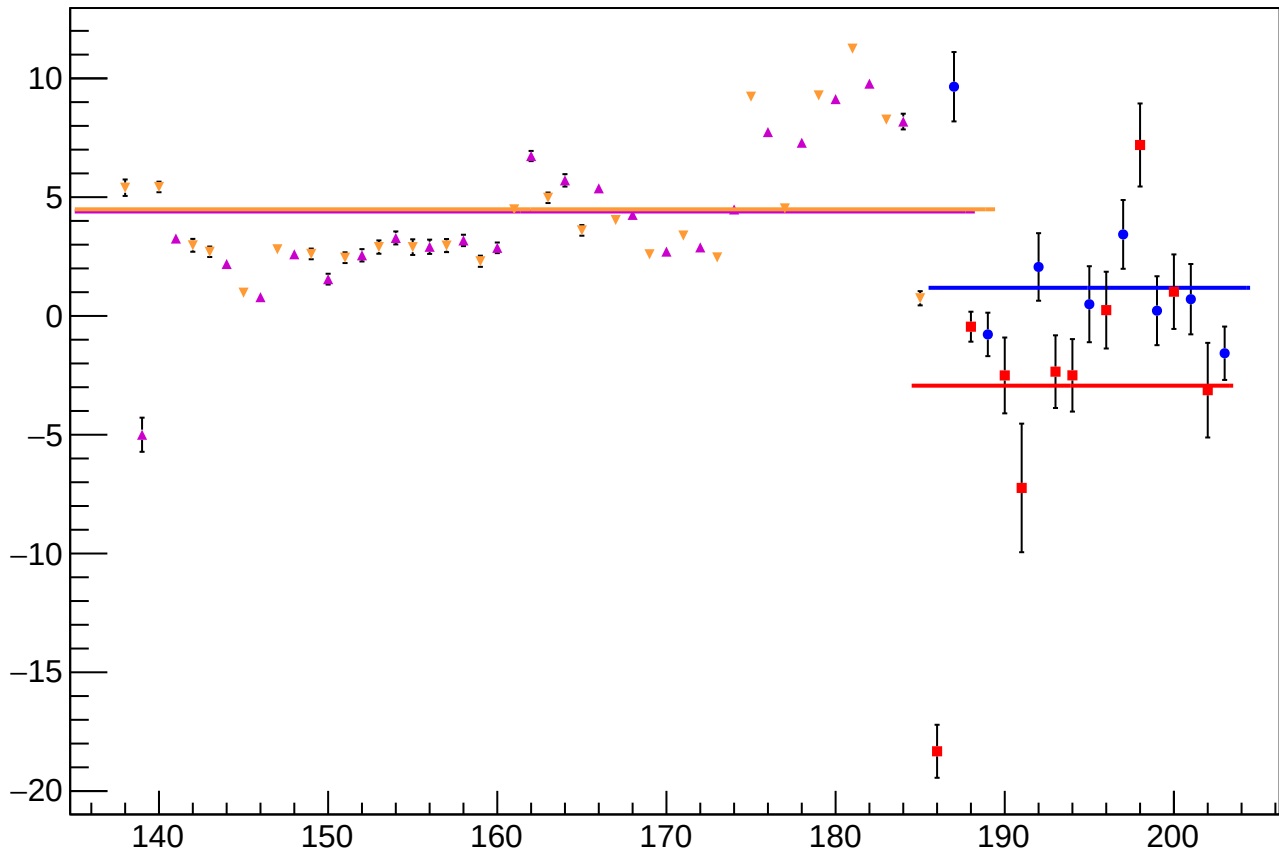
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -10.060 ± 0.050 χ^2/NDF : 13797.2/32

All: -9.815 ± 0.036 χ^2/NDF : 33220.7/65

- sign -9.564 ± 0.051 χ^2/NDF : 19375.2/32

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.185 ± 0.459 $\chi^2/\text{NDF}: 47.8/7$

Left Out: 4.489 ± 0.041 $\chi^2/\text{NDF}: 4832.3/24$

Right Out: -2.935 ± 0.406 $\chi^2/\text{NDF}: 252.3/9$

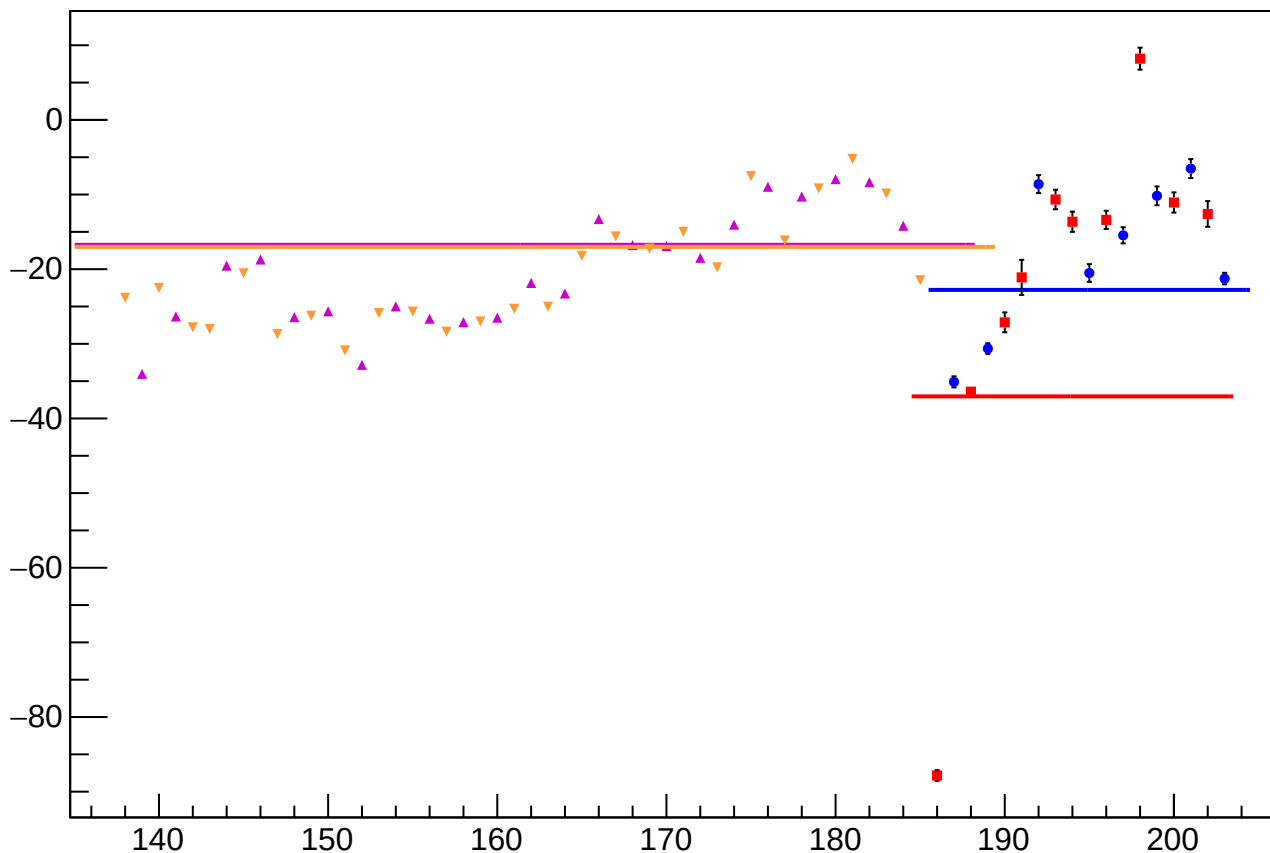
Left In: 4.396 ± 0.041 $\chi^2/\text{NDF}: 4230.4/22$

+ sign 4.463 ± 0.041 $\chi^2/\text{NDF}: 4931.5/32$

All: 4.393 ± 0.029 $\chi^2/\text{NDF}: 9743.2/65$

- sign 4.321 ± 0.041 $\chi^2/\text{NDF}: 4805.6/32$

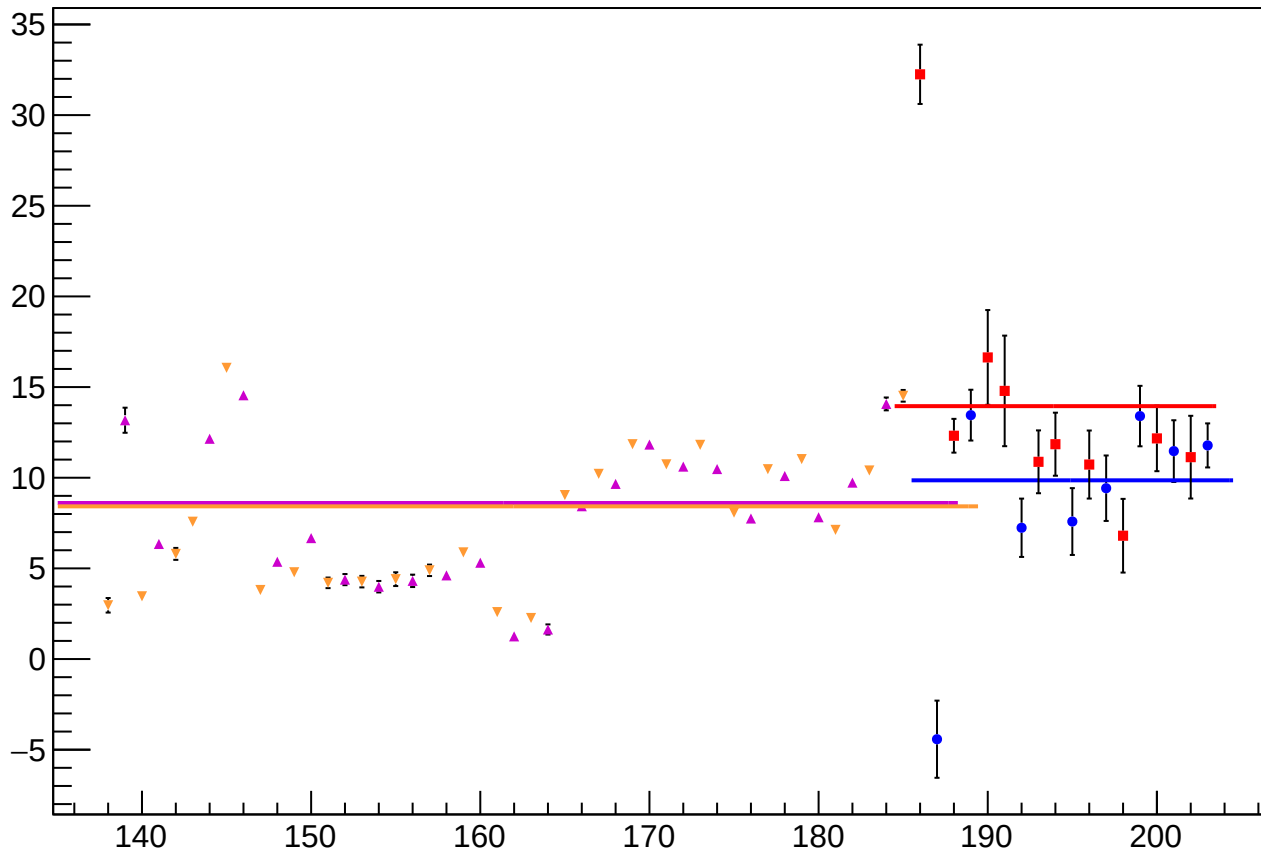
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



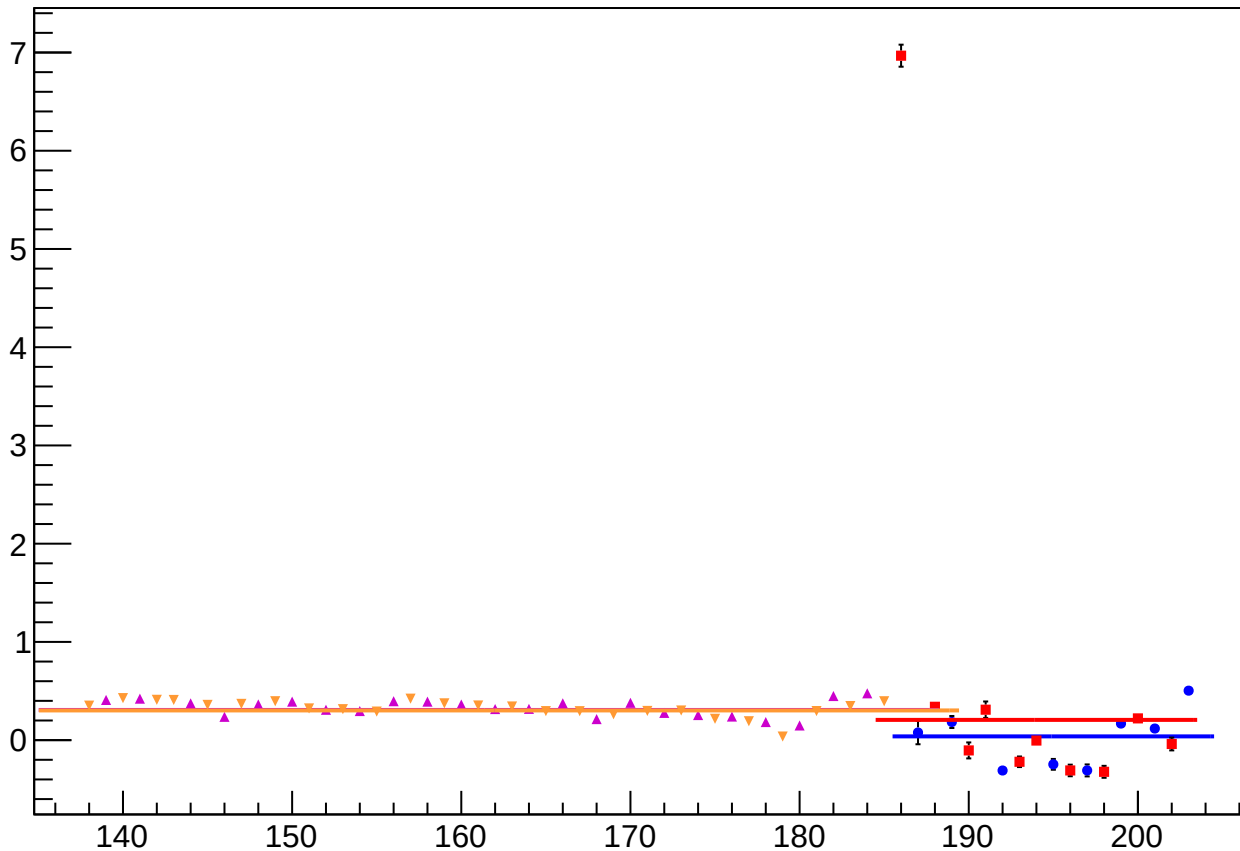
Right In: -22.775 ± 0.333 $\chi^2/\text{NDF}: 855.5/7$
 Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$
 Right Out: -37.038 ± 0.271 $\chi^2/\text{NDF}: 7799.5/9$
 Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.141 ± 0.050 $\chi^2/\text{NDF}: 23242.4/32$
 All: -17.290 ± 0.036 $\chi^2/\text{NDF}: 55248.6/65$
 - sign -17.439 ± 0.051 $\chi^2/\text{NDF}: 31988.7/32$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



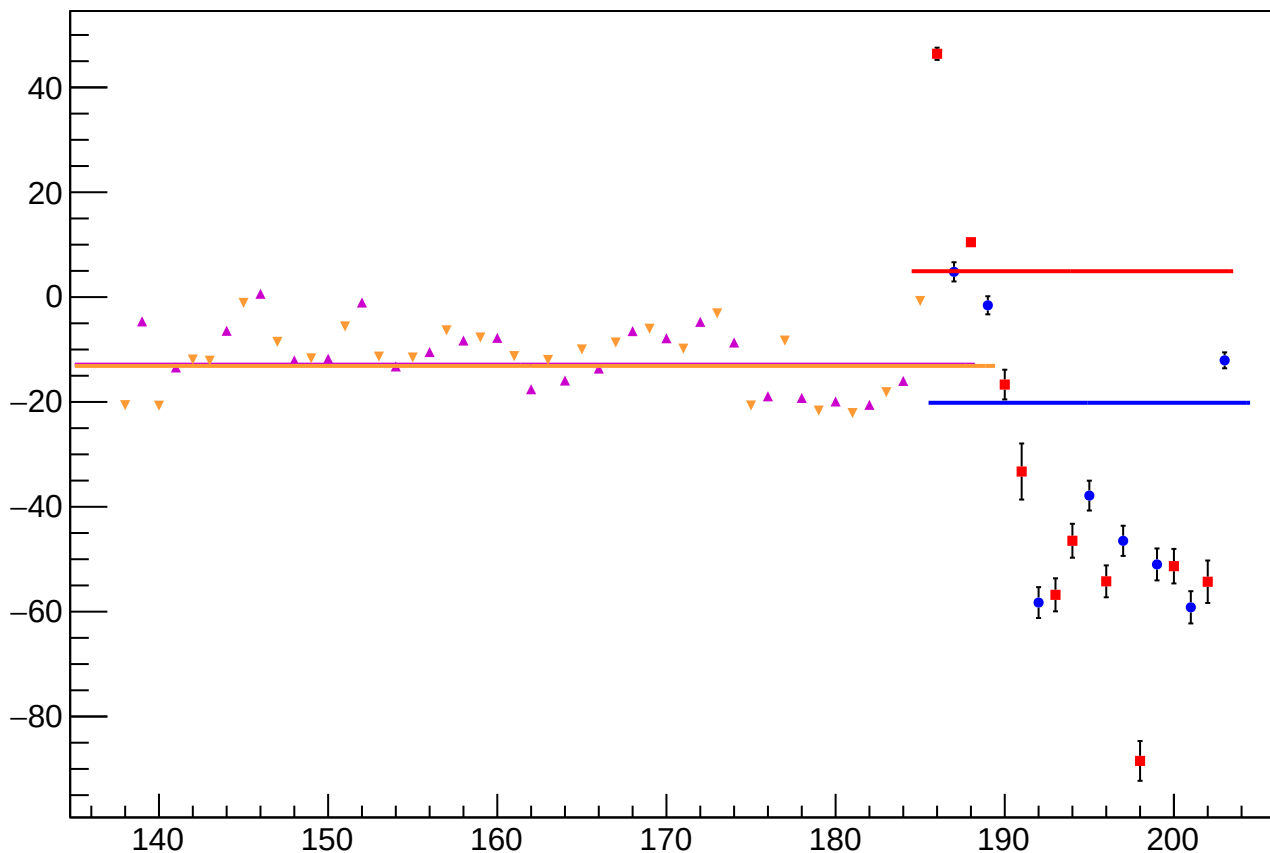
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.038 ± 0.020 χ^2/NDF : 209.2/7
 Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24
 Right Out: 0.206 ± 0.019 χ^2/NDF : 3903.0/9
 Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.300 ± 0.002 χ^2/NDF : 1979.0/32
 All: 0.303 ± 0.001 χ^2/NDF : 7614.4/65
 - sign 0.306 ± 0.002 χ^2/NDF : 5630.6/32

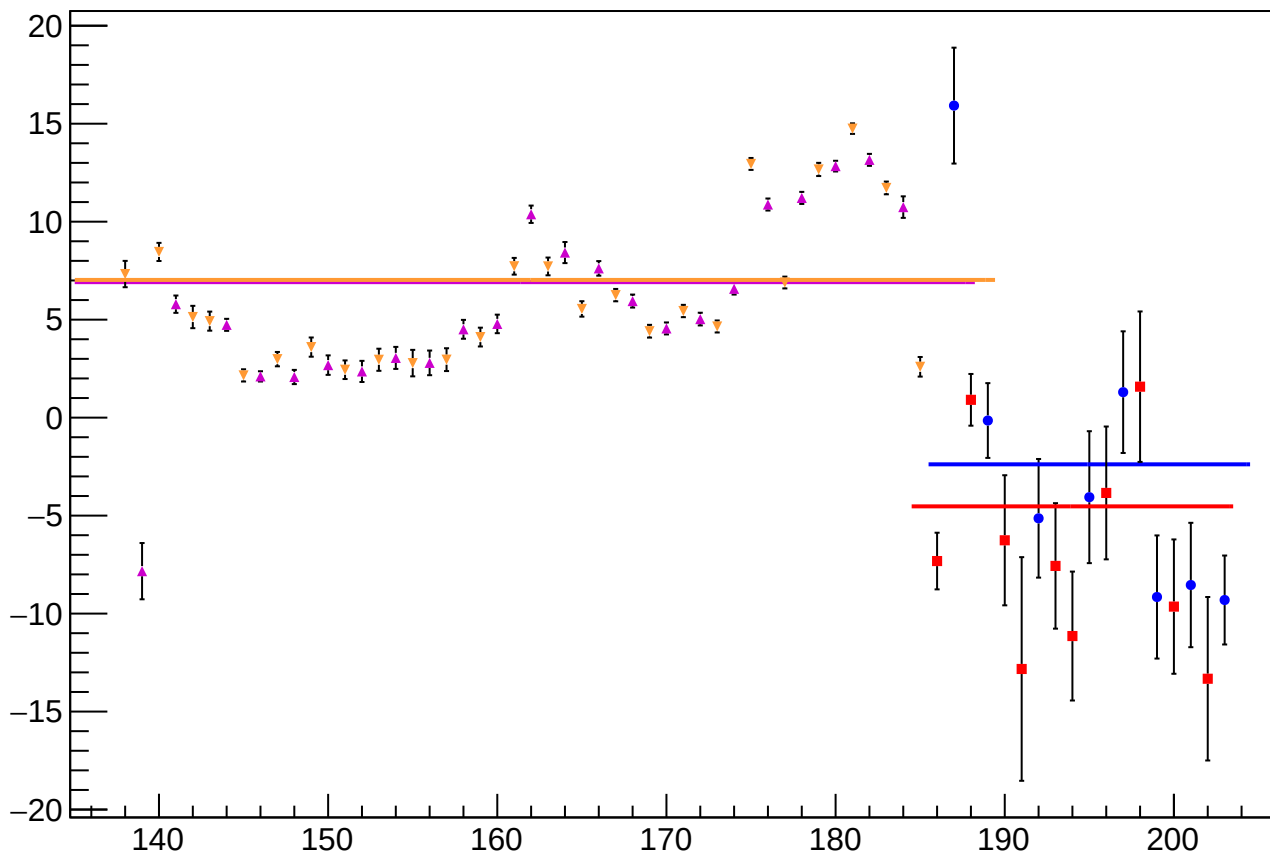
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -20.158 ± 0.781 $\chi^2/\text{NDF}: 884.4/7$
 Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$
 Right Out: 4.938 ± 0.623 $\chi^2/\text{NDF}: 3535.4/9$
 Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.225 ± 0.093 $\chi^2/\text{NDF}: 6942.0/32$
 All: -12.856 ± 0.066 $\chi^2/\text{NDF}: 16083.9/65$
 - sign -12.480 ± 0.094 $\chi^2/\text{NDF}: 9110.2/32$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -2.383 ± 0.960 $\chi^2/\text{NDF}: 59.9/7$

Left Out: 7.028 ± 0.077 $\chi^2/\text{NDF}: 2665.3/24$

Right Out: -4.528 ± 0.776 $\chi^2/\text{NDF}: 37.3/9$

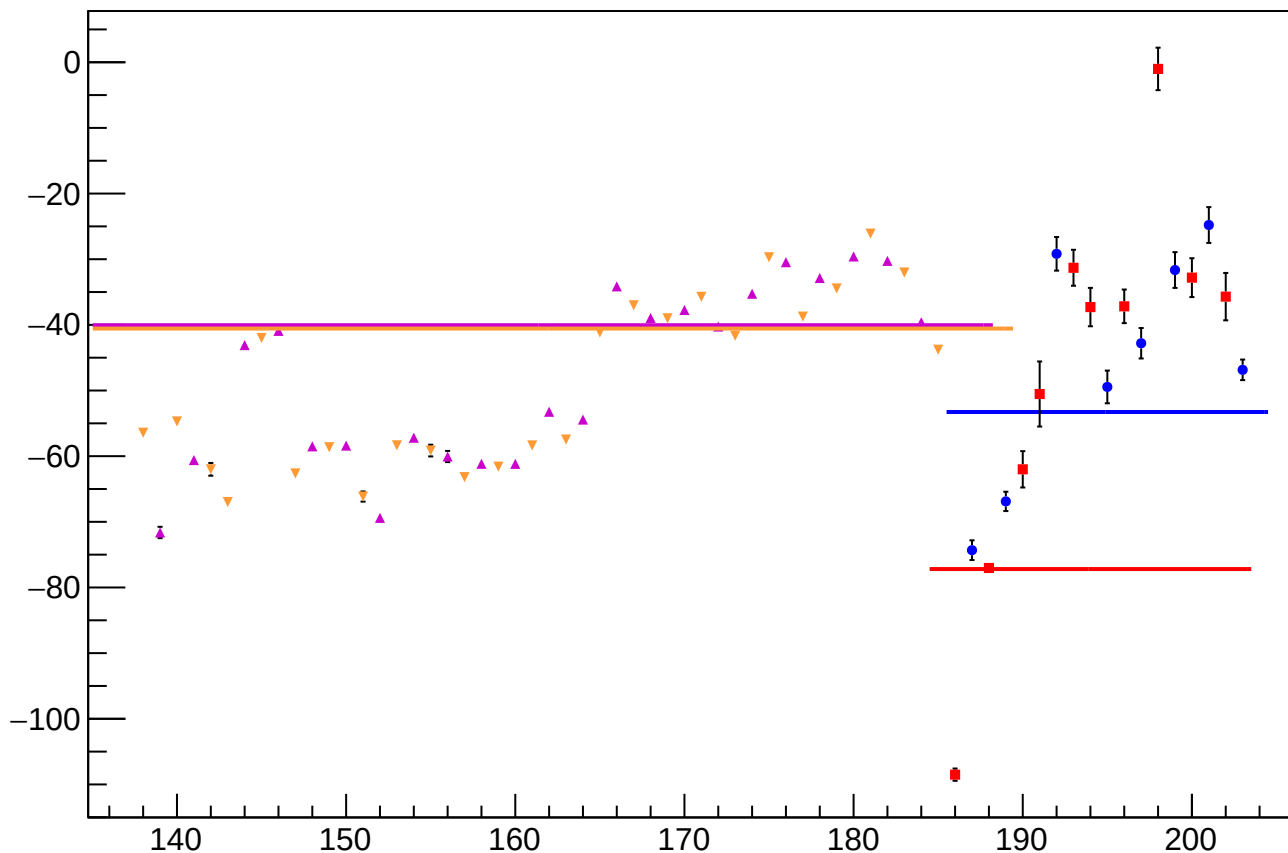
Left In: 6.914 ± 0.078 $\chi^2/\text{NDF}: 2428.2/22$

+ sign 6.967 ± 0.077 $\chi^2/\text{NDF}: 2820.7/32$

All: 6.884 ± 0.055 $\chi^2/\text{NDF}: 5503.9/65$

- sign 6.800 ± 0.077 $\chi^2/\text{NDF}: 2680.9/32$

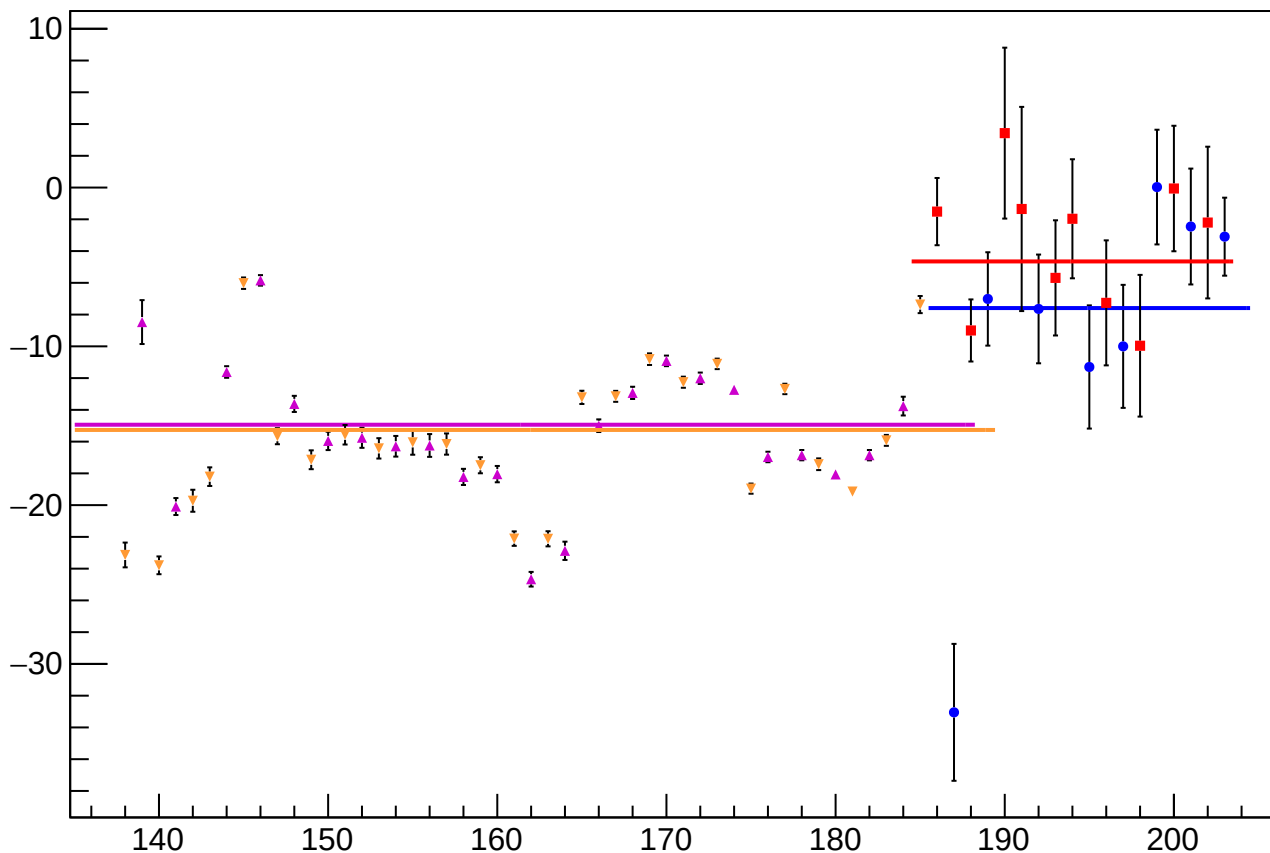
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -53.273 ± 0.693 $\chi^2/\text{NDF}: 581.7/7$
 Left Out: -40.563 ± 0.095 $\chi^2/\text{NDF}: 15637.6/24$
 Right Out: -77.193 ± 0.515 $\chi^2/\text{NDF}: 2802.2/9$
 Left In: -40.053 ± 0.096 $\chi^2/\text{NDF}: 13927.3/22$

+ sign -40.796 ± 0.094 $\chi^2/\text{NDF}: 16549.2/32$
 All: -41.044 ± 0.066 $\chi^2/\text{NDF}: 38323.9/65$
 - sign -41.293 ± 0.094 $\chi^2/\text{NDF}: 21760.7/32$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -7.589 ± 1.191 $\chi^2/\text{NDF}: 46.0/7$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -4.652 ± 1.047 $\chi^2/\text{NDF}: 13.7/9$

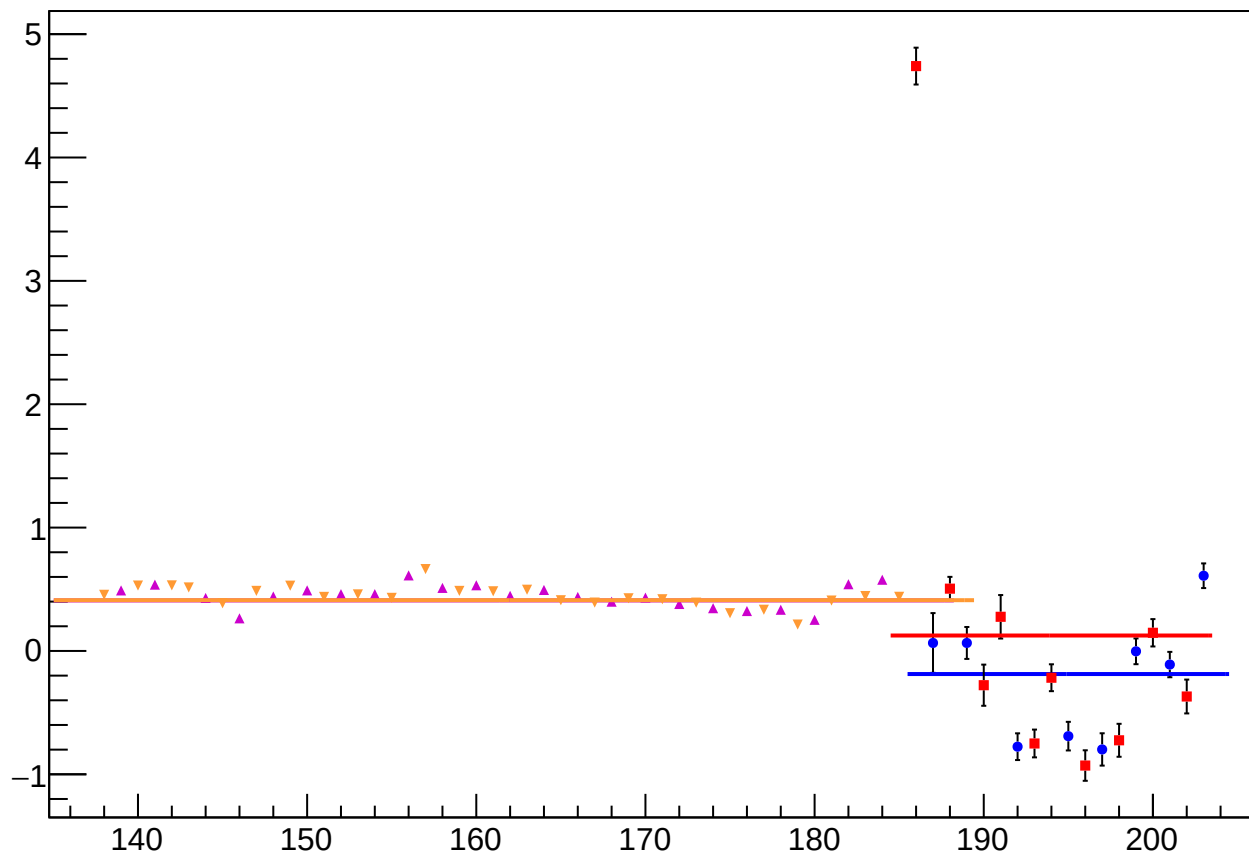
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.226 ± 0.086 $\chi^2/\text{NDF}: 2682.8/32$

All: -15.048 ± 0.061 $\chi^2/\text{NDF}: 5000.9/65$

- sign -14.866 ± 0.087 $\chi^2/\text{NDF}: 2309.3/32$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.187 ± 0.041 χ^2/NDF : 142.2/7

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.125 ± 0.039 χ^2/NDF : 1173.6/9

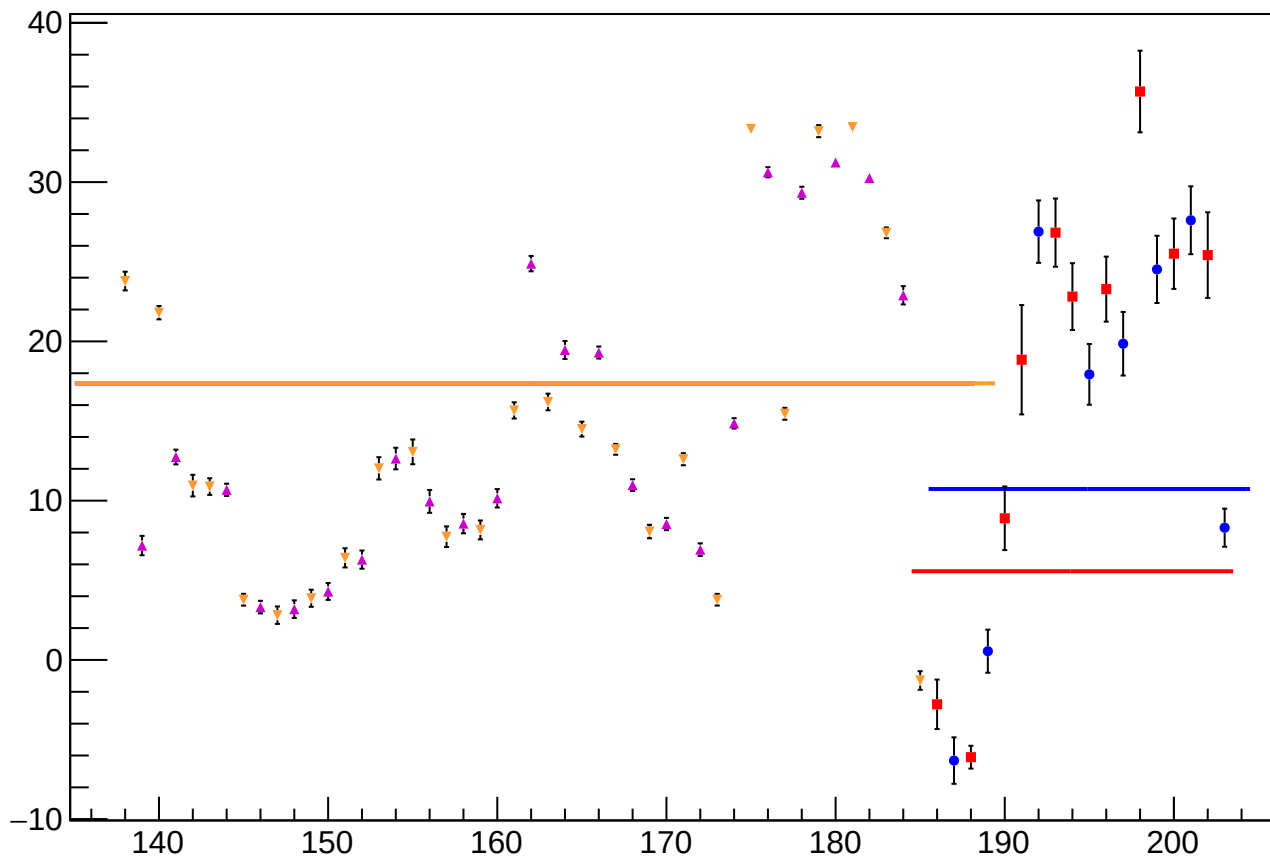
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.406 ± 0.004 χ^2/NDF : 777.2/32

All: 0.406 ± 0.003 χ^2/NDF : 2559.9/65

- sign 0.407 ± 0.004 χ^2/NDF : 1782.7/32

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 10.734 $\pm$ 0.582 χ^2 /NDF: 406.1/7

Left Out: 17.367 $\pm$ 0.087 χ^2 /NDF:16337.6/24

Right Out: 5.567 $\pm$ 0.508 χ^2 /NDF: 827.3/9

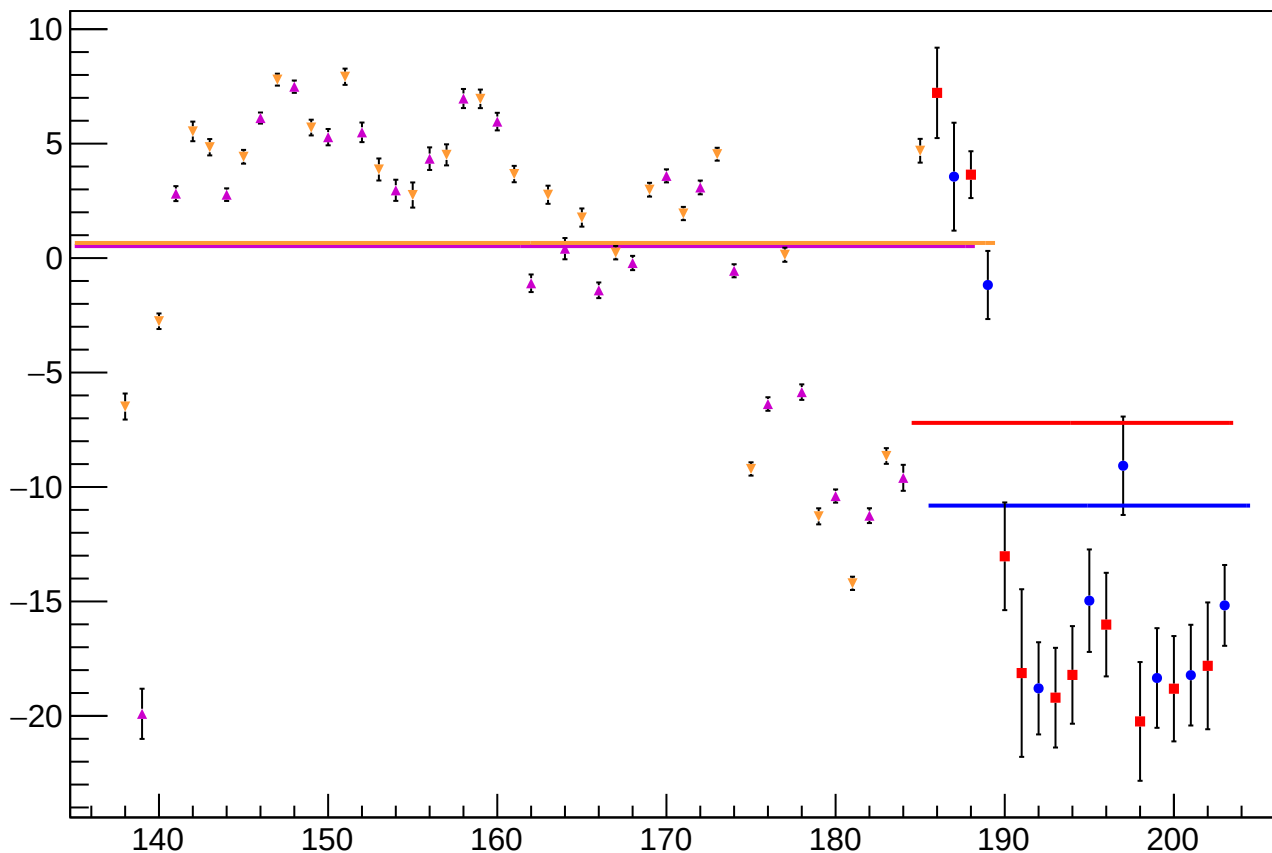
Left In: 17.355 $\pm$ 0.089 χ^2 /NDF:12745.1/22

+ sign 17.222 $\pm$ 0.086 χ^2 /NDF: 16870.6/32

All: 17.115 $\pm$ 0.061 χ^2 /NDF: 30968.8/65

- sign 17.005 $\pm$ 0.088 χ^2 /NDF: 14095.1/32

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -10.813 ± 0.701 $\chi^2/\text{NDF}: 128.3/7$

Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$

Right Out: -7.199 ± 0.625 $\chi^2/\text{NDF}: 318.4/9$

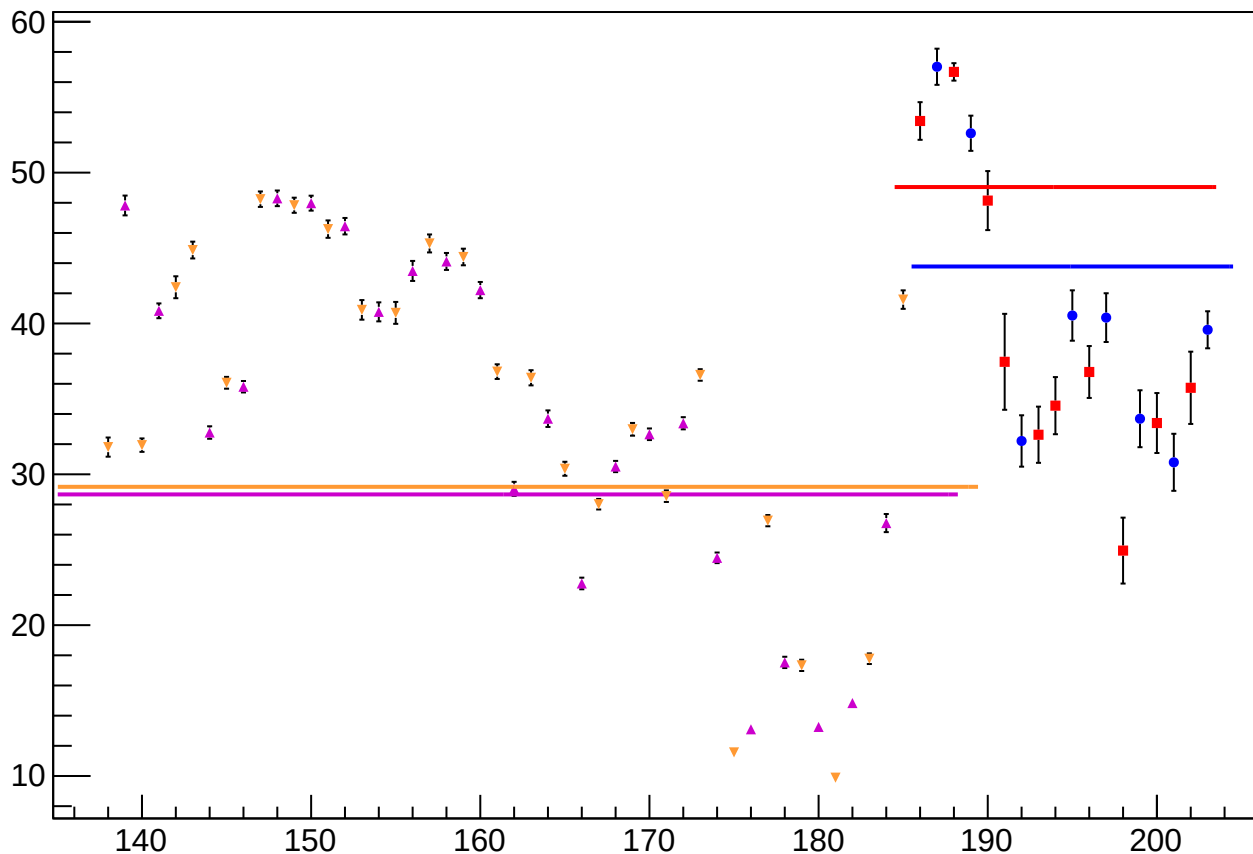
Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

+ sign 0.550 ± 0.069 $\chi^2/\text{NDF}: 8947.2/32$

All: 0.489 ± 0.049 $\chi^2/\text{NDF}: 16147.6/65$

- sign 0.426 ± 0.070 $\chi^2/\text{NDF}: 7198.9/32$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.777 $\pm$ 0.517 χ^2 /NDF: 321.0/7

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 49.044 $\pm$ 0.425 χ^2 /NDF: 601.3/9

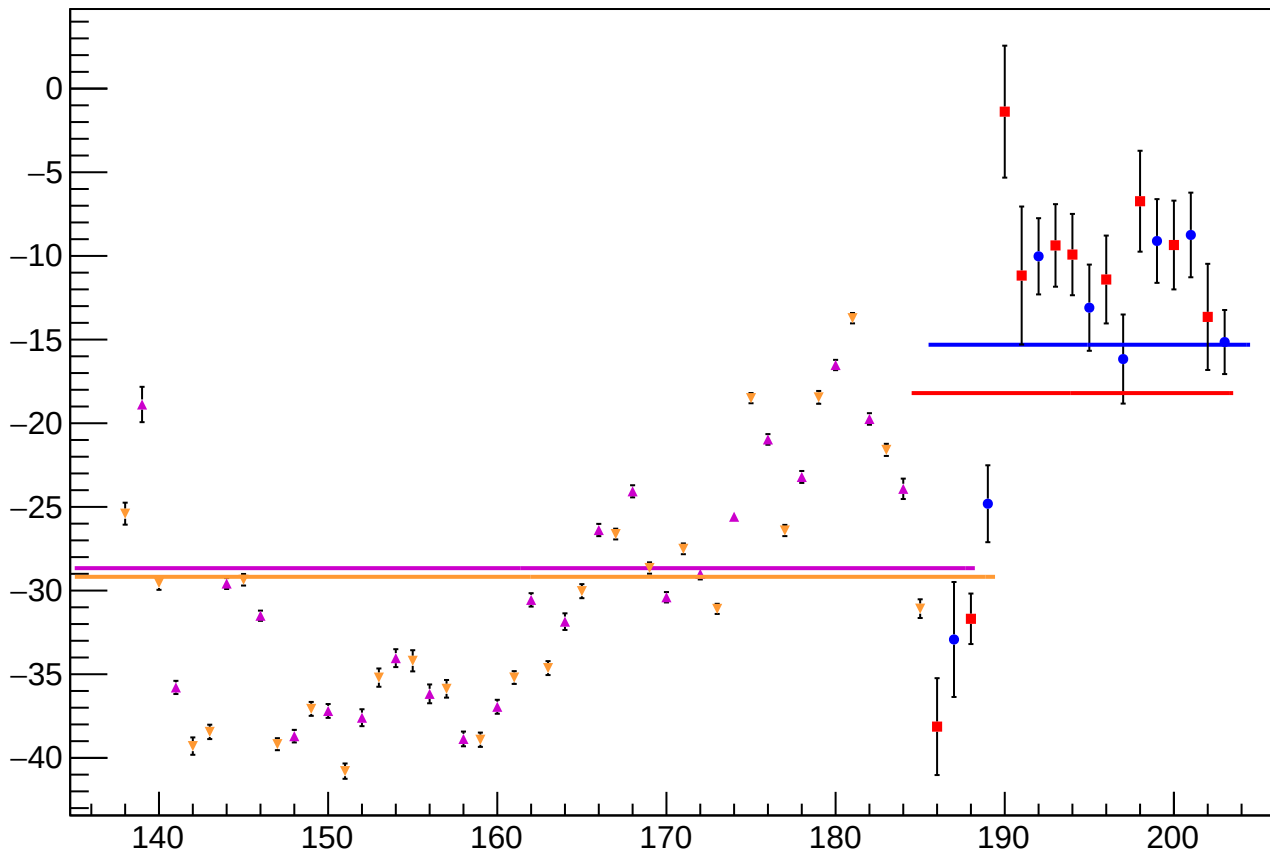
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 29.580 $\pm$ 0.087 χ^2 /NDF: 20071.4/32

All: 29.553 $\pm$ 0.061 χ^2 /NDF: 39720.1/65

- sign 29.525 $\pm$ 0.087 χ^2 /NDF: 19648.5/32

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -15.308 ± 0.861 $\chi^2/\text{NDF}: 62.5/7$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -18.198 ± 0.813 $\chi^2/\text{NDF}: 207.1/9$

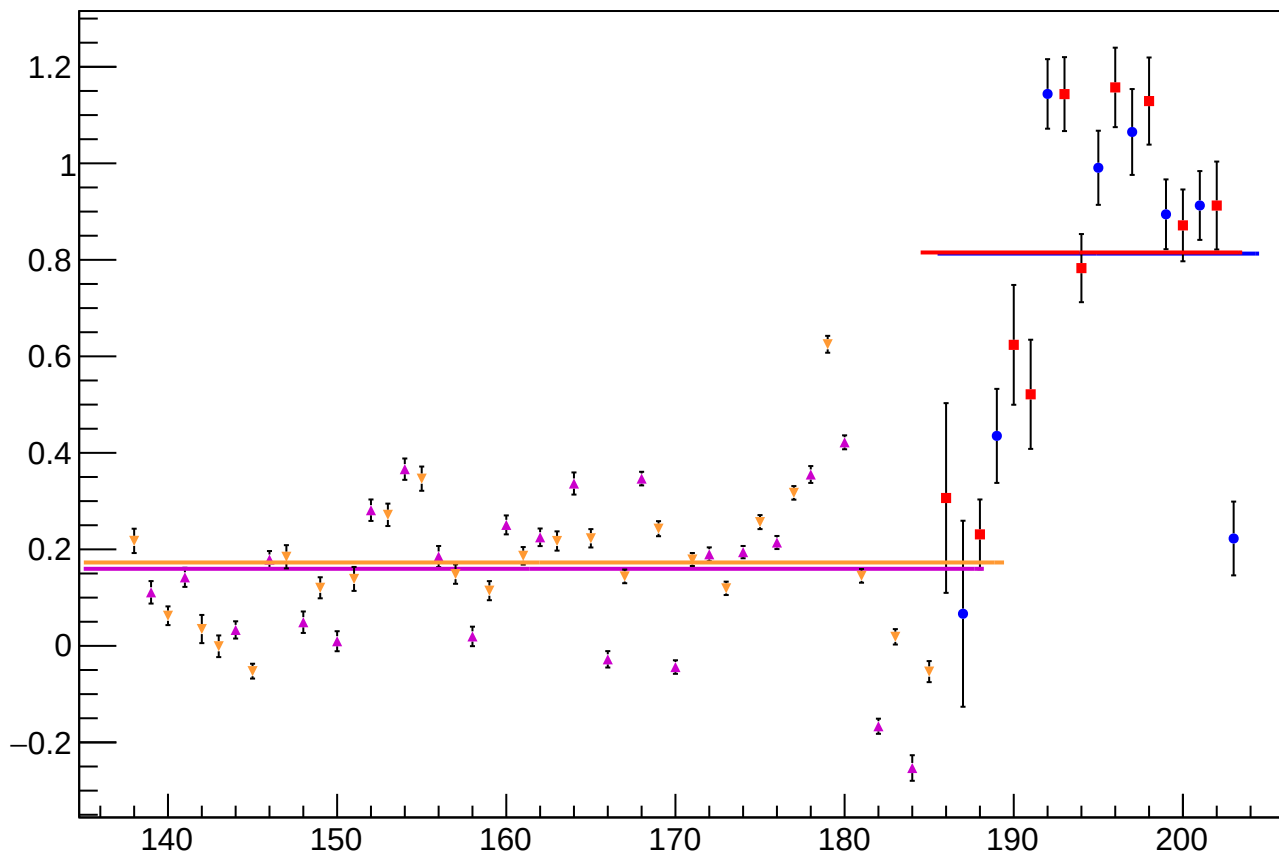
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -29.065 ± 0.078 $\chi^2/\text{NDF}: 9401.0/32$

All: -28.818 ± 0.056 $\chi^2/\text{NDF}: 16462.7/65$

- sign -28.560 ± 0.079 $\chi^2/\text{NDF}: 7041.2/32$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.813 ± 0.029 χ^2/NDF : 127.4/7

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.815 ± 0.028 χ^2/NDF : 130.7/9

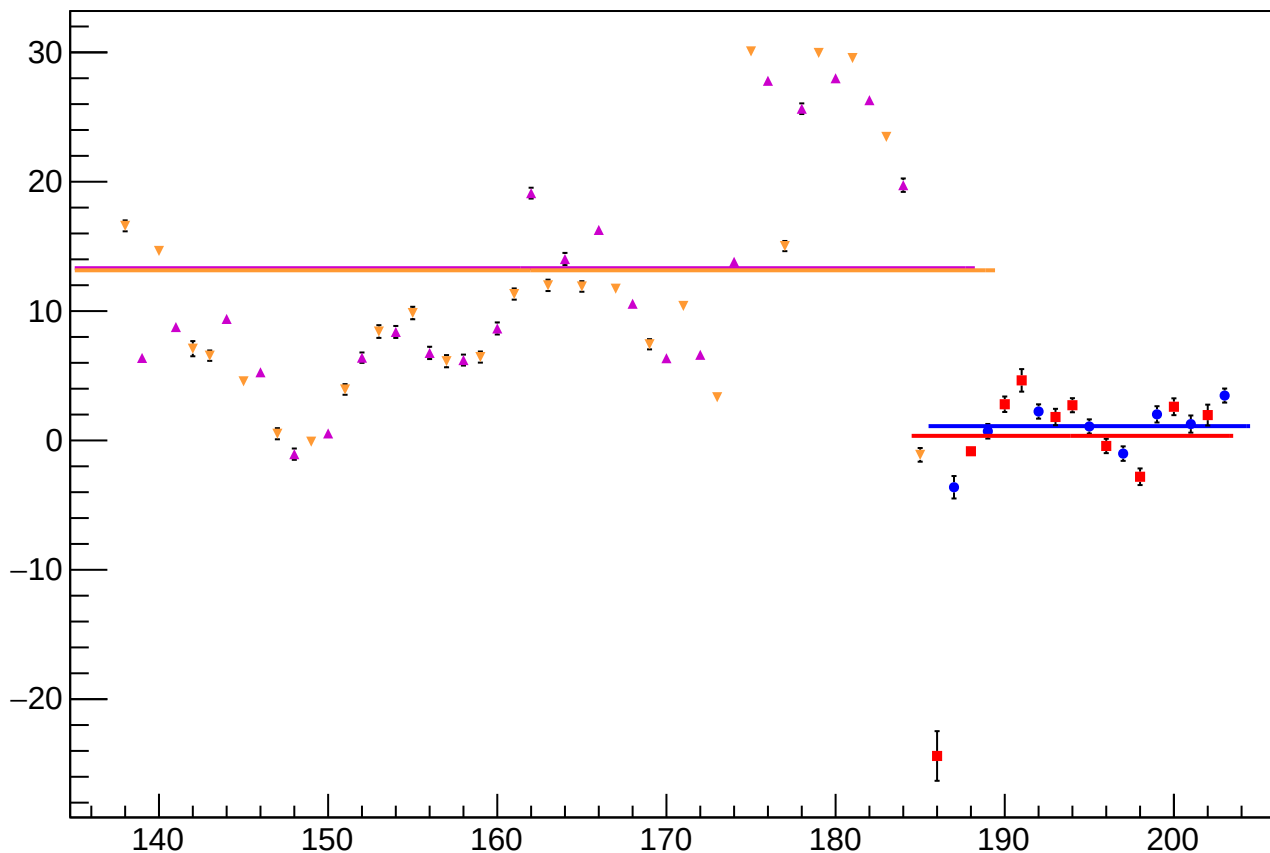
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.182 ± 0.004 χ^2/NDF : 2081.9/32

All: 0.177 ± 0.003 χ^2/NDF : 4825.6/65

- sign 0.171 ± 0.004 χ^2/NDF : 2738.6/32

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.107 ± 0.211 χ^2/NDF : 69.8/7

Left Out: 13.153 ± 0.075 χ^2/NDF : 17079.7/24

Right Out: 0.355 ± 0.176 χ^2/NDF : 291.3/9

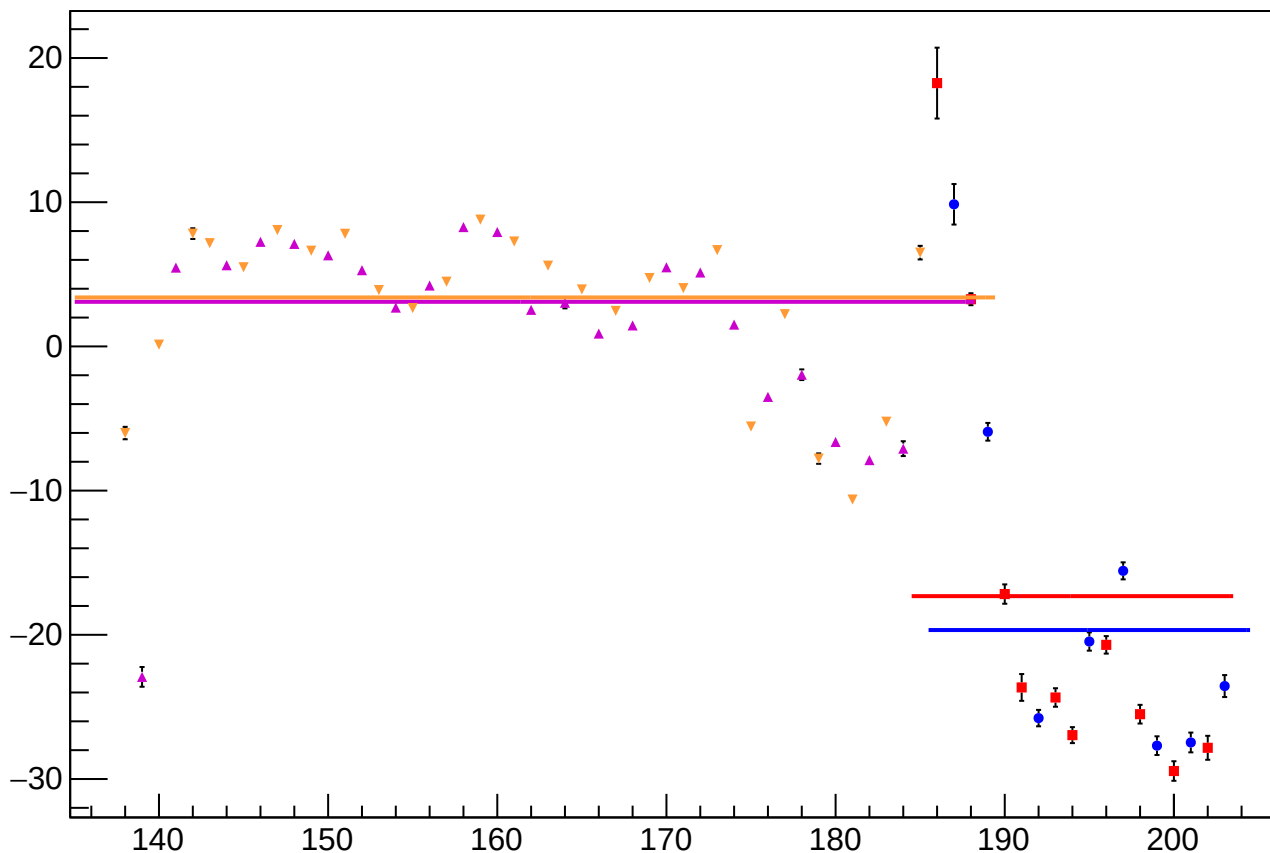
Left In: 13.315 ± 0.077 χ^2/NDF : 13977.7/22

+ sign 11.797 ± 0.071 χ^2/NDF : 20036.2/32

All: 11.508 ± 0.050 χ^2/NDF : 38902.6/65

- sign 11.221 ± 0.071 χ^2/NDF : 18833.3/32

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -19.670 ± 0.237 $\chi^2/\text{NDF}: 1416.1/7$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -17.319 ± 0.205 $\chi^2/\text{NDF}: 3818.6/9$

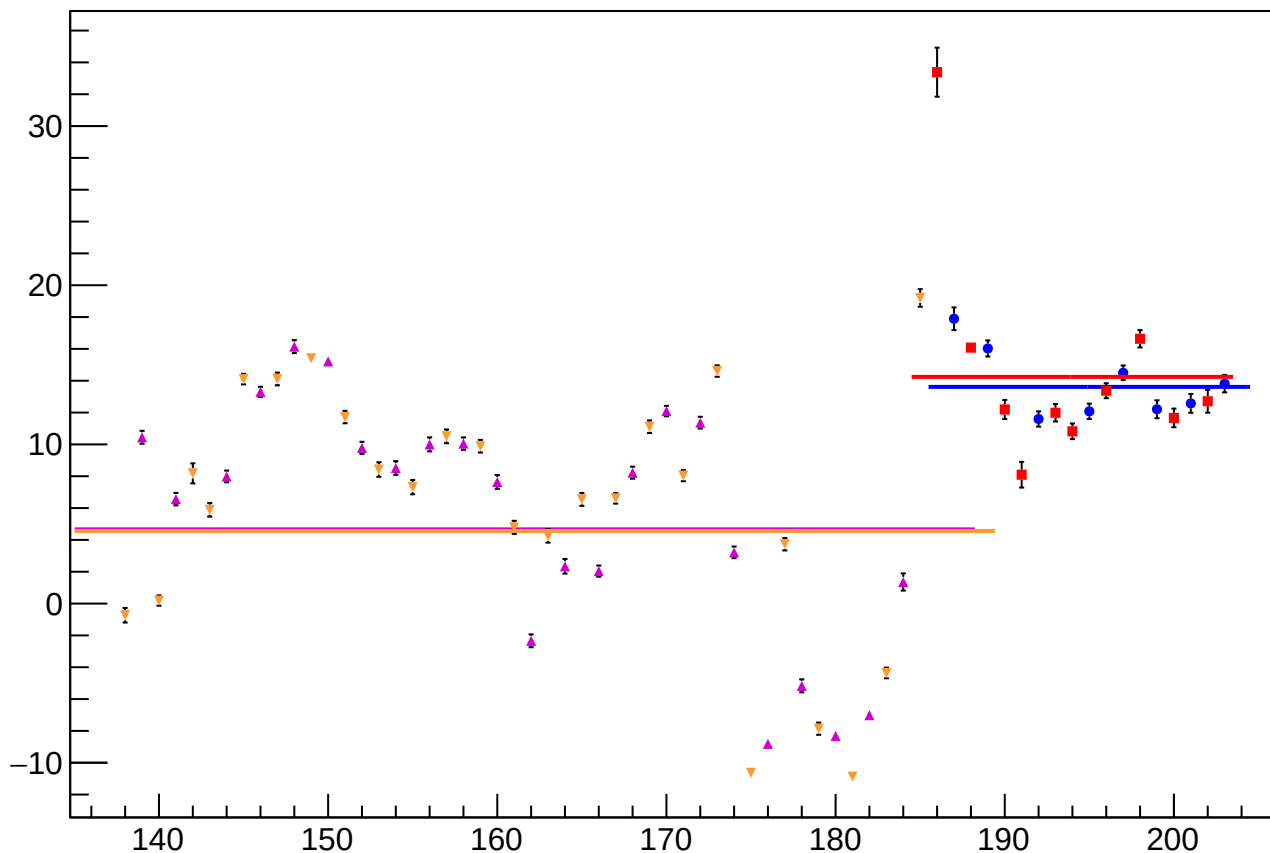
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 2.075 ± 0.057 $\chi^2/\text{NDF}: 18455.6/32$

All: 1.772 ± 0.041 $\chi^2/\text{NDF}: 38549.6/65$

- sign 1.454 ± 0.058 $\chi^2/\text{NDF}: 20035.5/32$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.613+/-0.187 χ^2/NDF : 99.4/7

Left Out: 4.561+/-0.075 χ^2/NDF :13592.1/24

Right Out: 14.243+/-0.151 χ^2/NDF : 400.6/9

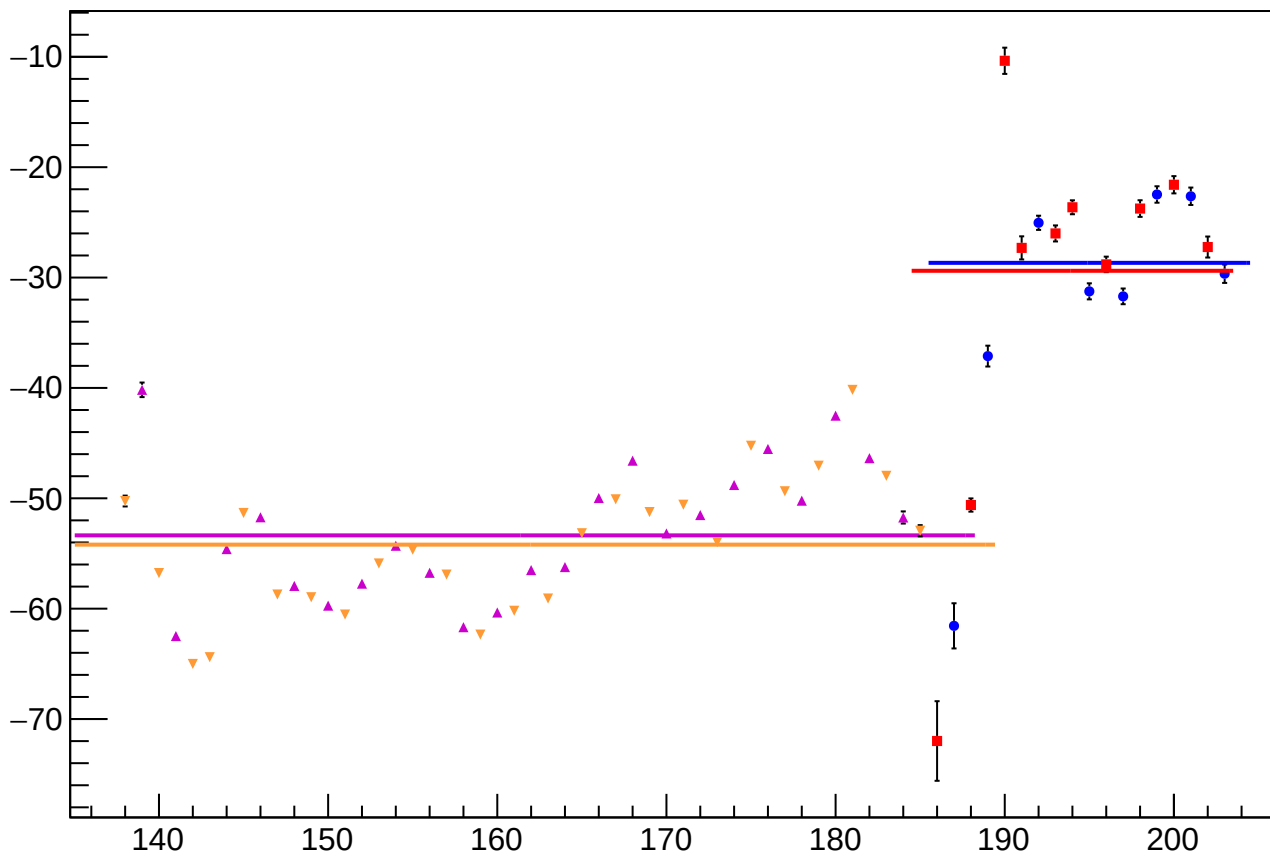
Left In: 4.662+/-0.077 χ^2/NDF :11281.5/22

+ sign 5.822+/-0.070 χ^2/NDF : 15701.0/32

All: 6.240+/-0.049 χ^2/NDF : 30664.5/65

- sign 6.640+/-0.068 χ^2/NDF : 14893.7/32

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -28.666 ± 0.283 $\chi^2/\text{NDF}: 529.8/7$

Left Out: -54.199 ± 0.066 $\chi^2/\text{NDF}: 8454.7/24$

Right Out: -29.386 ± 0.255 $\chi^2/\text{NDF}: 1921.3/9$

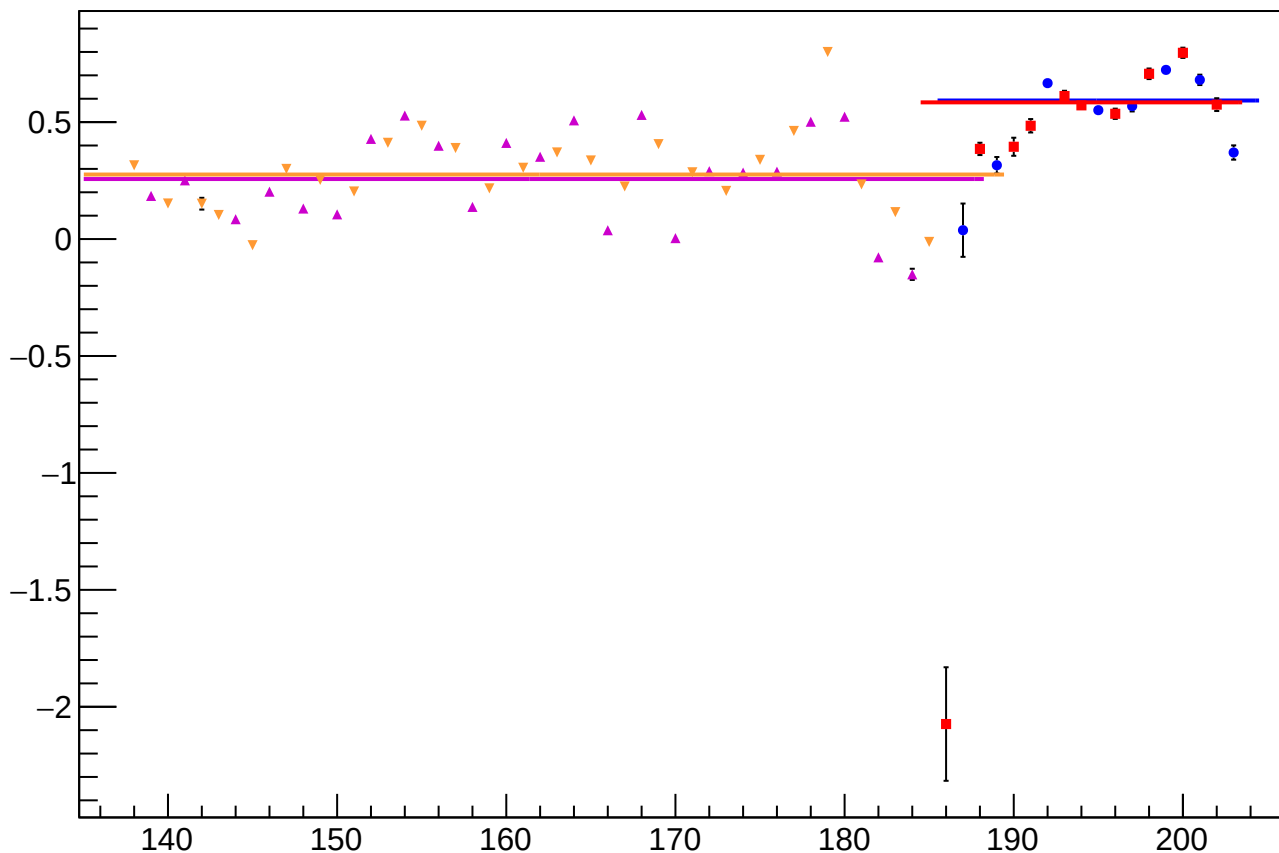
Left In: -53.359 ± 0.068 $\chi^2/\text{NDF}: 6882.0/22$

+ sign -52.867 ± 0.065 $\chi^2/\text{NDF}: 16701.0/32$

All: -52.317 ± 0.046 $\chi^2/\text{NDF}: 33916.1/65$

- sign -51.742 ± 0.066 $\chi^2/\text{NDF}: 17067.1/32$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.592 ± 0.009 χ^2/NDF : 209.6/7

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.584 ± 0.008 χ^2/NDF : 342.9/9

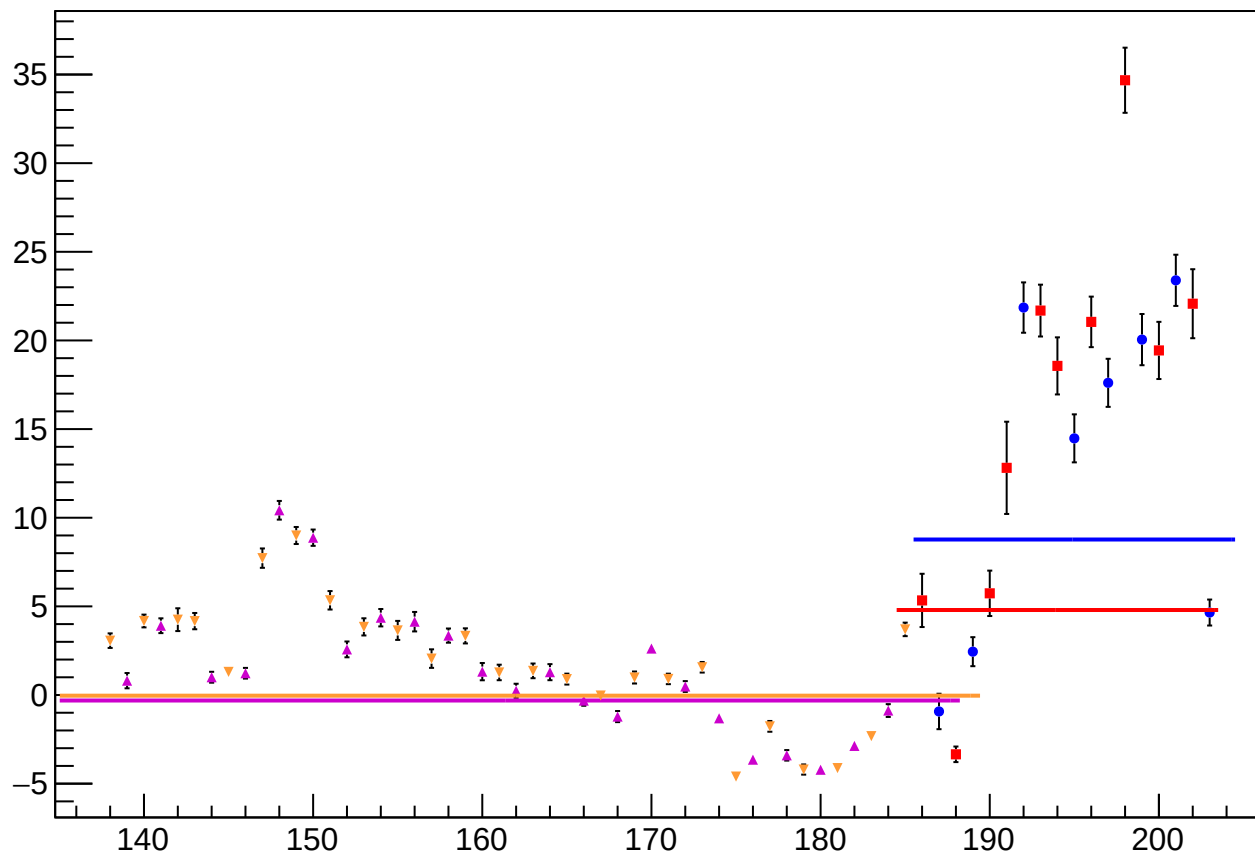
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.309 ± 0.003 χ^2/NDF : 3965.3/32

All: 0.305 ± 0.002 χ^2/NDF : 9404.7/65

- sign 0.300 ± 0.003 χ^2/NDF : 5434.2/32

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 8.771 ± 0.381 $\chi^2/\text{NDF}: 494.0/7$

Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 4.795 ± 0.339 $\chi^2/\text{NDF}: 1116.5/9$

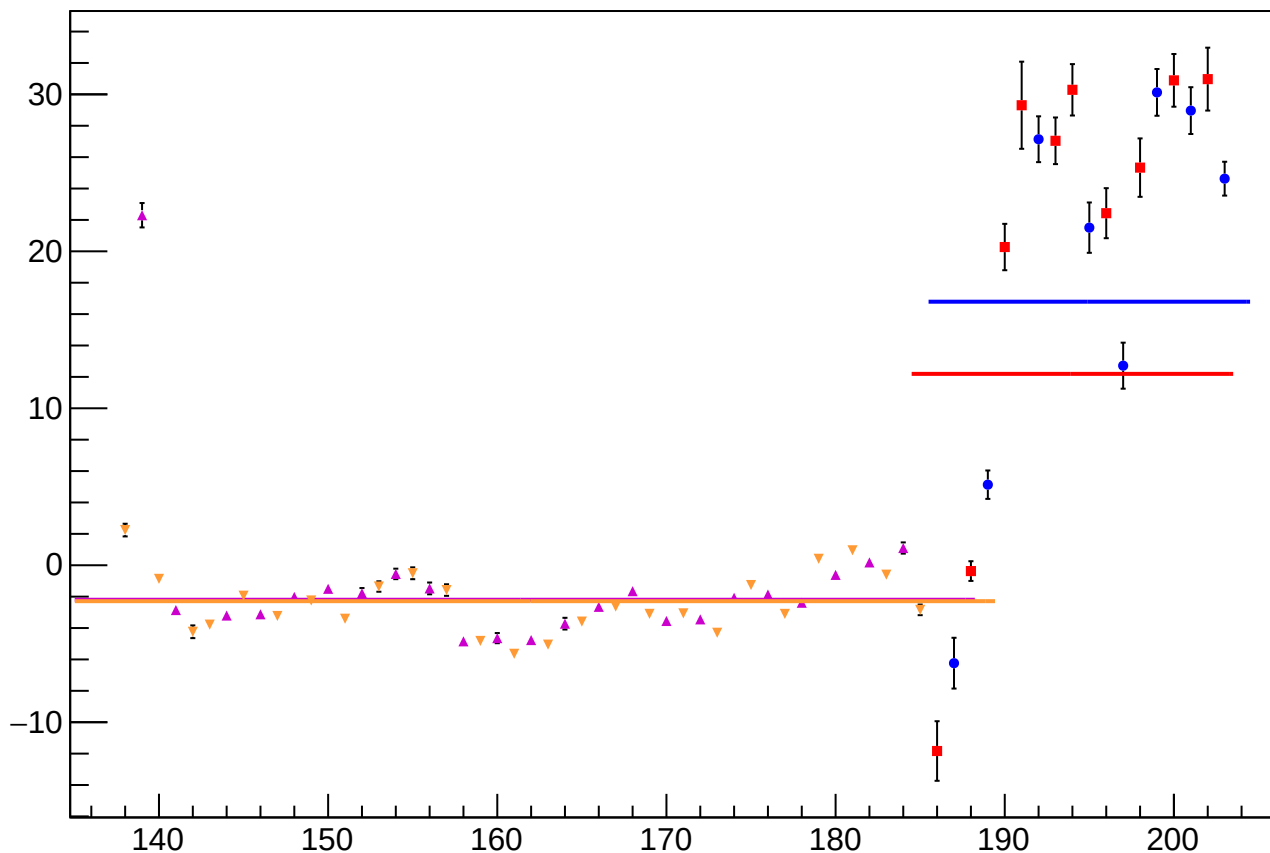
Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.220 ± 0.065 $\chi^2/\text{NDF}: 3651.5/32$

All: 0.054 ± 0.046 $\chi^2/\text{NDF}: 7249.4/65$

- sign -0.117 ± 0.066 $\chi^2/\text{NDF}: 3584.7/32$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 16.791 $\pm$ 0.462 χ^2/NDF : 634.8/7

Left Out: -2.288 $\pm$ 0.054 χ^2/NDF : 1137.7/24

Right Out: 12.193 $\pm$ 0.426 χ^2/NDF : 1153.8/9

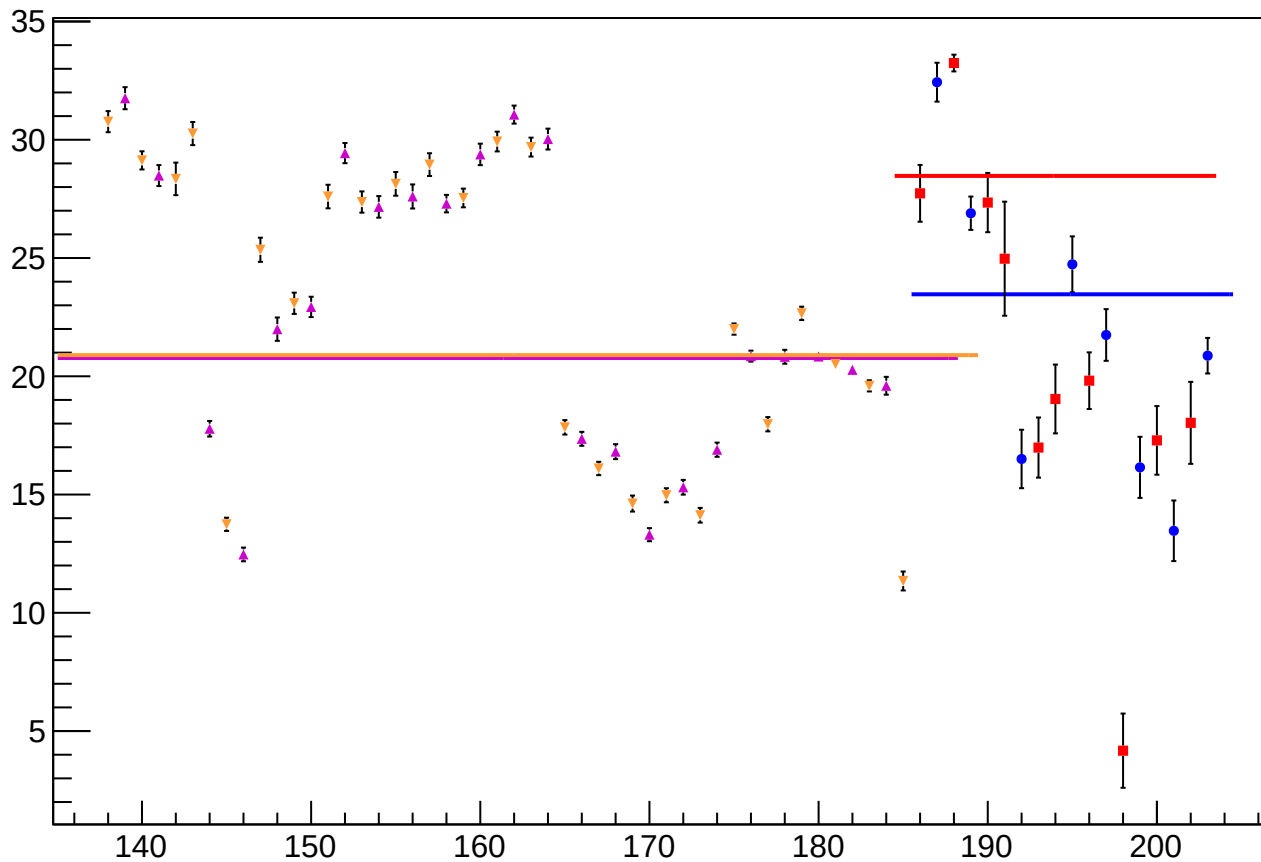
Left In: -2.198 $\pm$ 0.055 χ^2/NDF : 1673.9/22

+ sign -2.030 $\pm$ 0.054 χ^2/NDF : 3455.2/32

All: -1.996 $\pm$ 0.038 χ^2/NDF : 7407.1/65

- sign -1.961 $\pm$ 0.055 χ^2/NDF : 3951.0/32

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 23.466 $\pm$ 0.339 χ^2 /NDF: 283.0/7

Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF: 6655.4/24

Right Out: 28.472 $\pm$ 0.283 χ^2 /NDF: 696.5/9

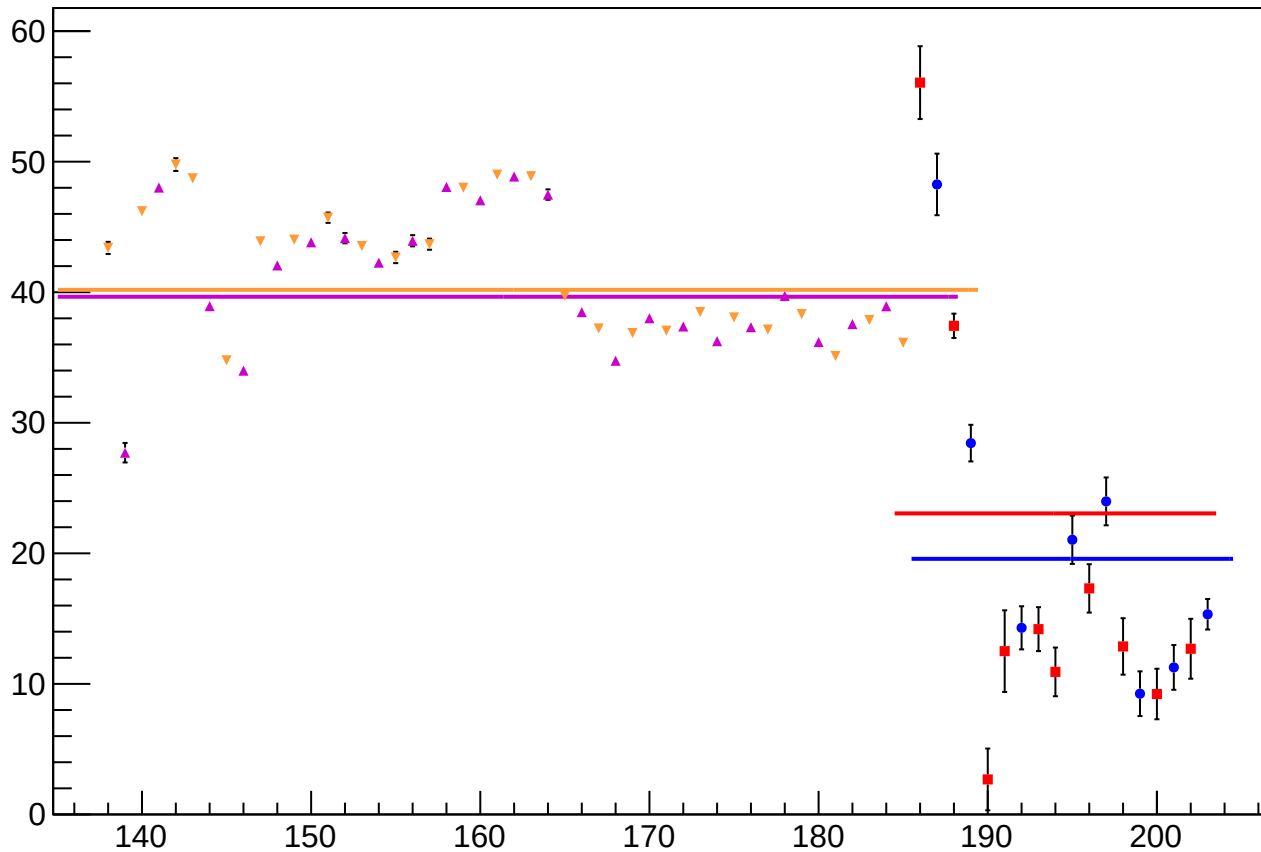
Left In: 20.774 $\pm$ 0.068 χ^2 /NDF: 5927.9/22

+ sign 20.990 $\pm$ 0.065 χ^2 /NDF: 6993.6/32

All: 21.089 $\pm$ 0.046 χ^2 /NDF: 14322.5/65

- sign 21.189 $\pm$ 0.066 χ^2 /NDF: 7324.2/32

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 19.580 ± 0.572 χ^2/NDF : 277.6/7

Left Out: 40.186 ± 0.060 χ^2/NDF : 5932.7/24

Right Out: 23.059 ± 0.562 χ^2/NDF : 637.7/9

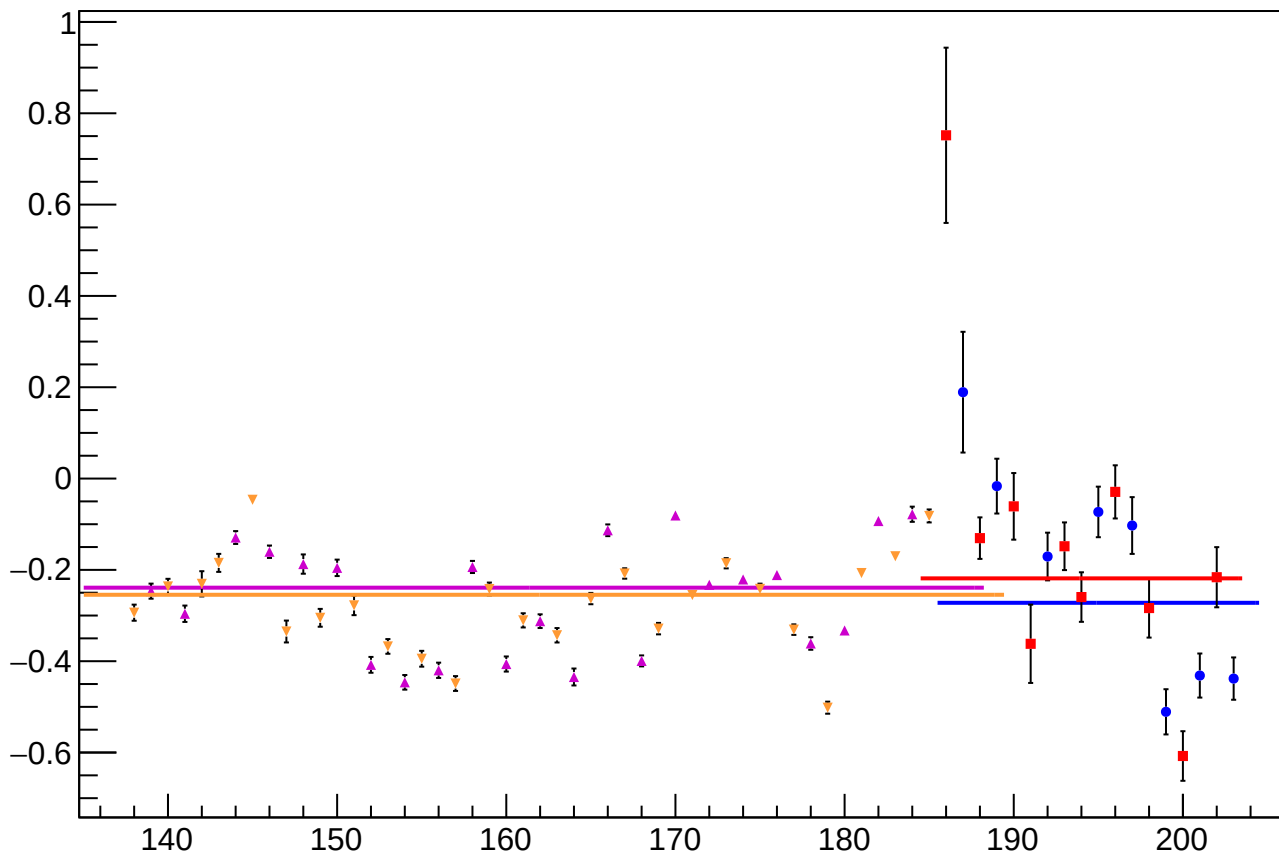
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 39.959 ± 0.060 χ^2/NDF : 7494.3/32

All: 39.713 ± 0.043 χ^2/NDF : 14327.1/65

- sign 39.459 ± 0.061 χ^2/NDF : 6798.7/32

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.272 ± 0.020 χ^2/NDF : 101.4/7

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.219 ± 0.019 χ^2/NDF : 102.1/9

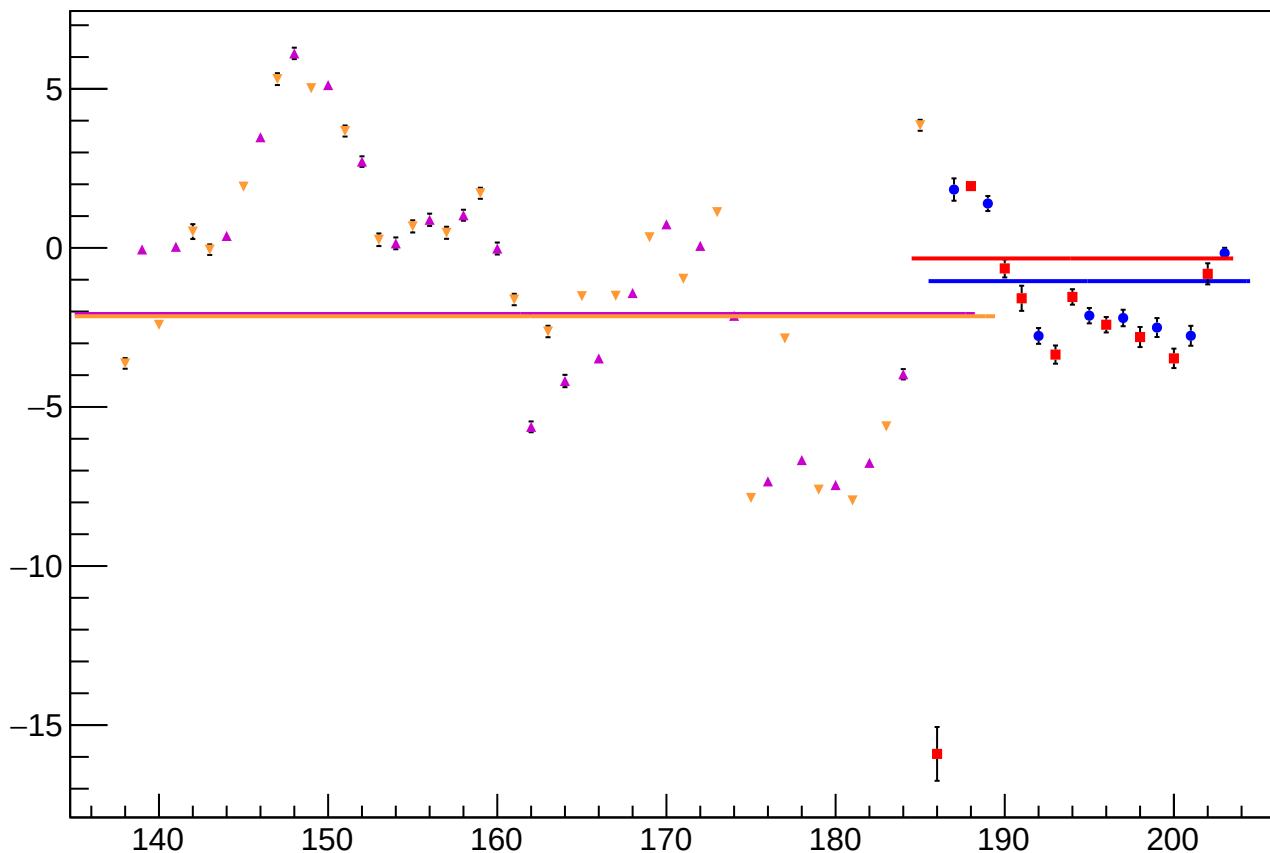
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.255 ± 0.003 χ^2/NDF : 1522.6/32

All: -0.247 ± 0.002 χ^2/NDF : 3394.0/65

- sign -0.239 ± 0.003 χ^2/NDF : 1853.6/32

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.044 ± 0.088 χ^2/NDF : 342.2/7

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.331 ± 0.075 χ^2/NDF : 1159.5/9

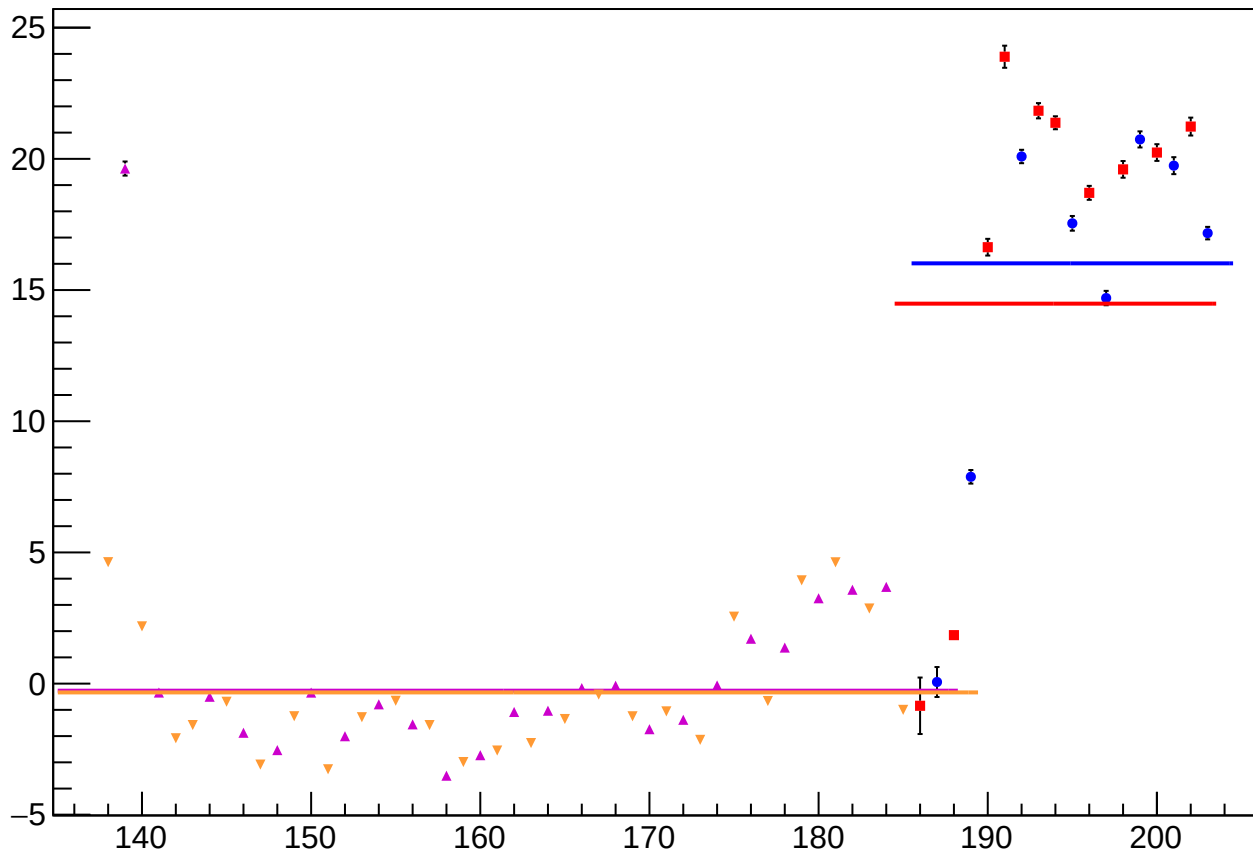
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.061 ± 0.025 χ^2/NDF : 25025.1/32

All: -1.975 ± 0.017 χ^2/NDF : 49942.4/65

- sign -1.888 ± 0.025 χ^2/NDF : 24892.6/32

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 16.018 $\pm$ 0.102 χ^2 /NDF: 2466.8/7

Left Out: -0.335 $\pm$ 0.021 χ^2 /NDF: 12596.1/24

Right Out: 14.481 $\pm$ 0.089 χ^2 /NDF: 9515.3/9

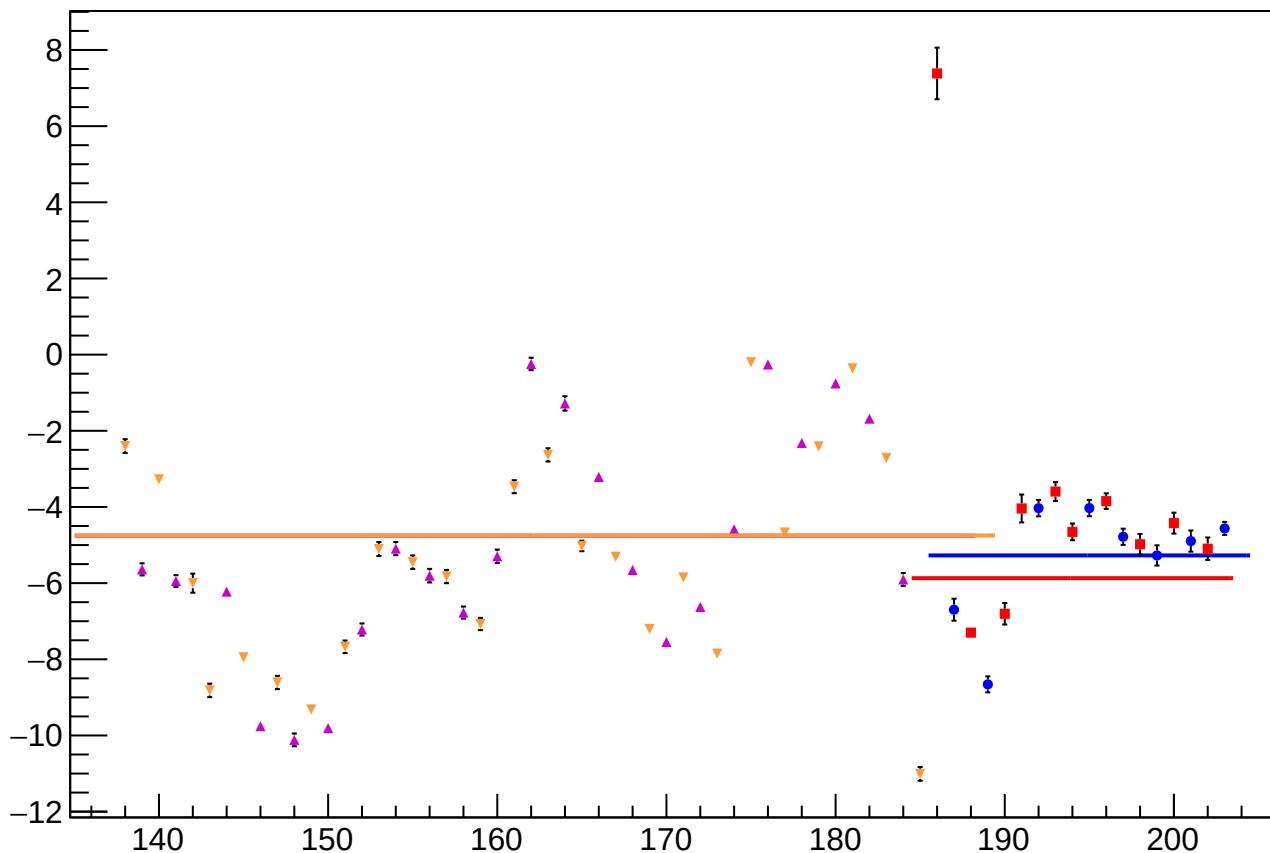
Left In: -0.269 $\pm$ 0.021 χ^2 /NDF: 13323.1/22

+ sign 0.310 $\pm$ 0.020 χ^2 /NDF: 39975.8/32

All: 0.404 $\pm$ 0.014 χ^2 /NDF: 88695.0/65

- sign 0.499 $\pm$ 0.020 χ^2 /NDF: 48675.9/32

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.272 ± 0.079 χ^2/NDF : 374.6/7

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.869 ± 0.064 χ^2/NDF : 934.3/9

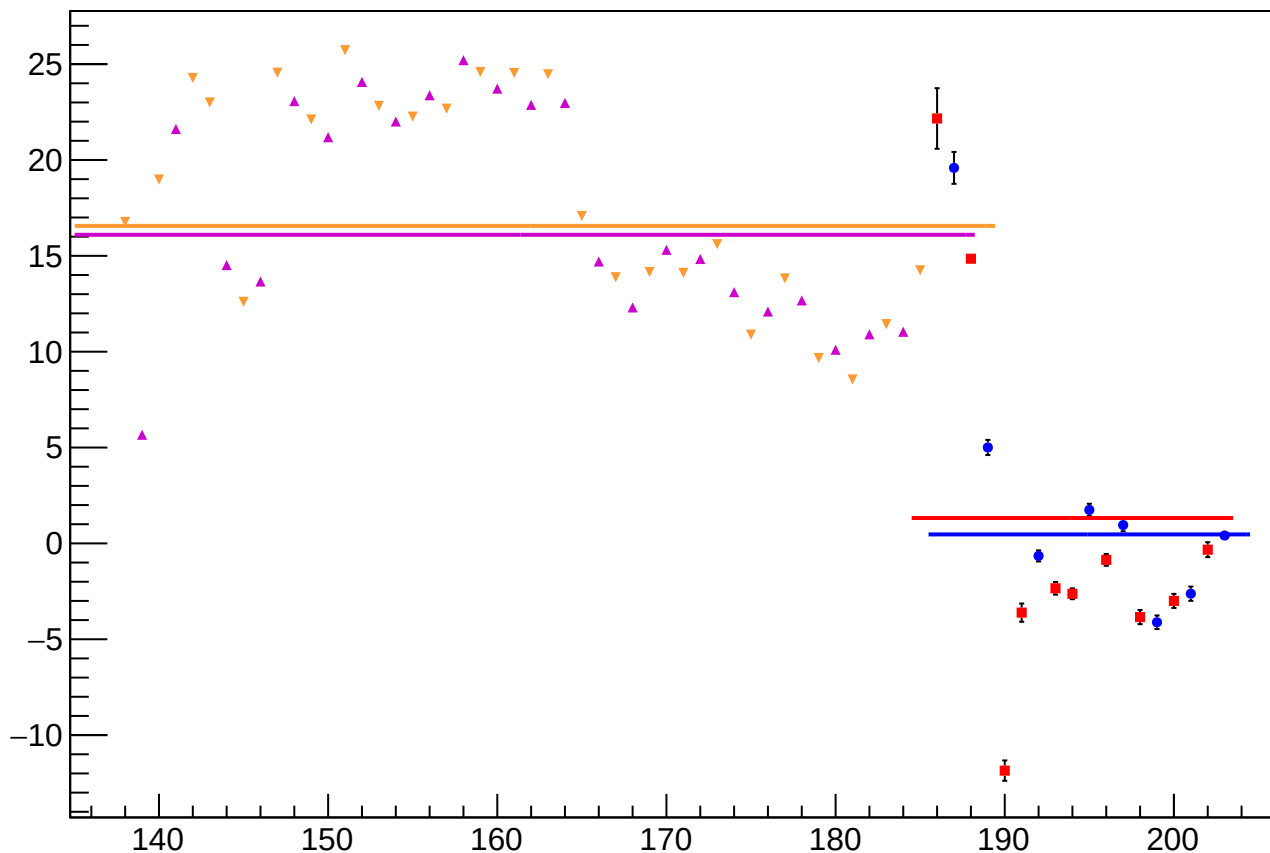
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.799 ± 0.025 χ^2/NDF : 13704.4/32

All: -4.858 ± 0.017 χ^2/NDF : 29033.3/65

- sign -4.915 ± 0.024 χ^2/NDF : 15317.6/32

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.469 ± 0.121 $\chi^2/\text{NDF}: 931.6/7$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 1.325 ± 0.112 $\chi^2/\text{NDF}: 4961.0/9$

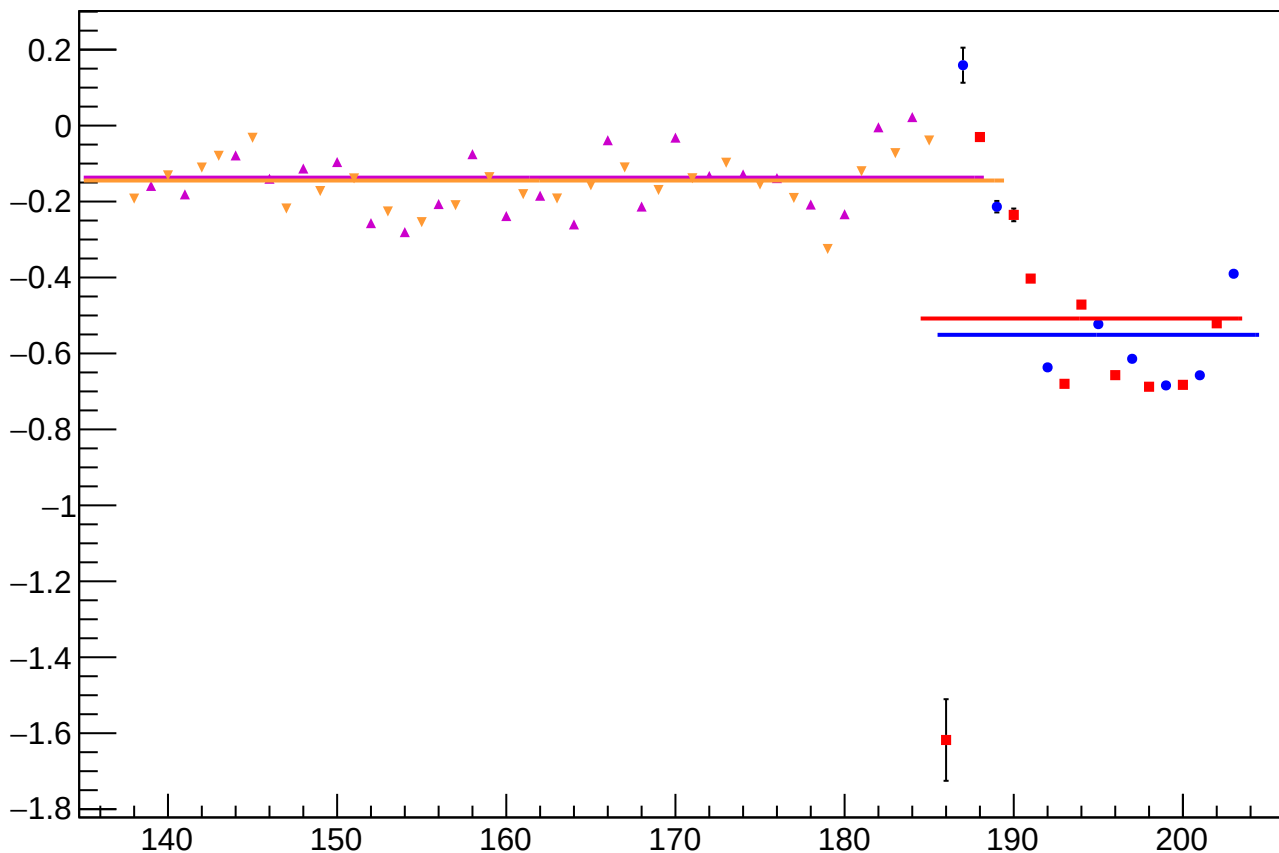
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 15.992 ± 0.023 $\chi^2/\text{NDF}: 71937.6/32$

All: 15.734 ± 0.016 $\chi^2/\text{NDF}: 136260.3/65$

- sign 15.469 ± 0.023 $\chi^2/\text{NDF}: 64061.6/32$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.551 ± 0.004 χ^2/NDF : 1417.2/7

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.508 ± 0.004 χ^2/NDF : 3634.8/9

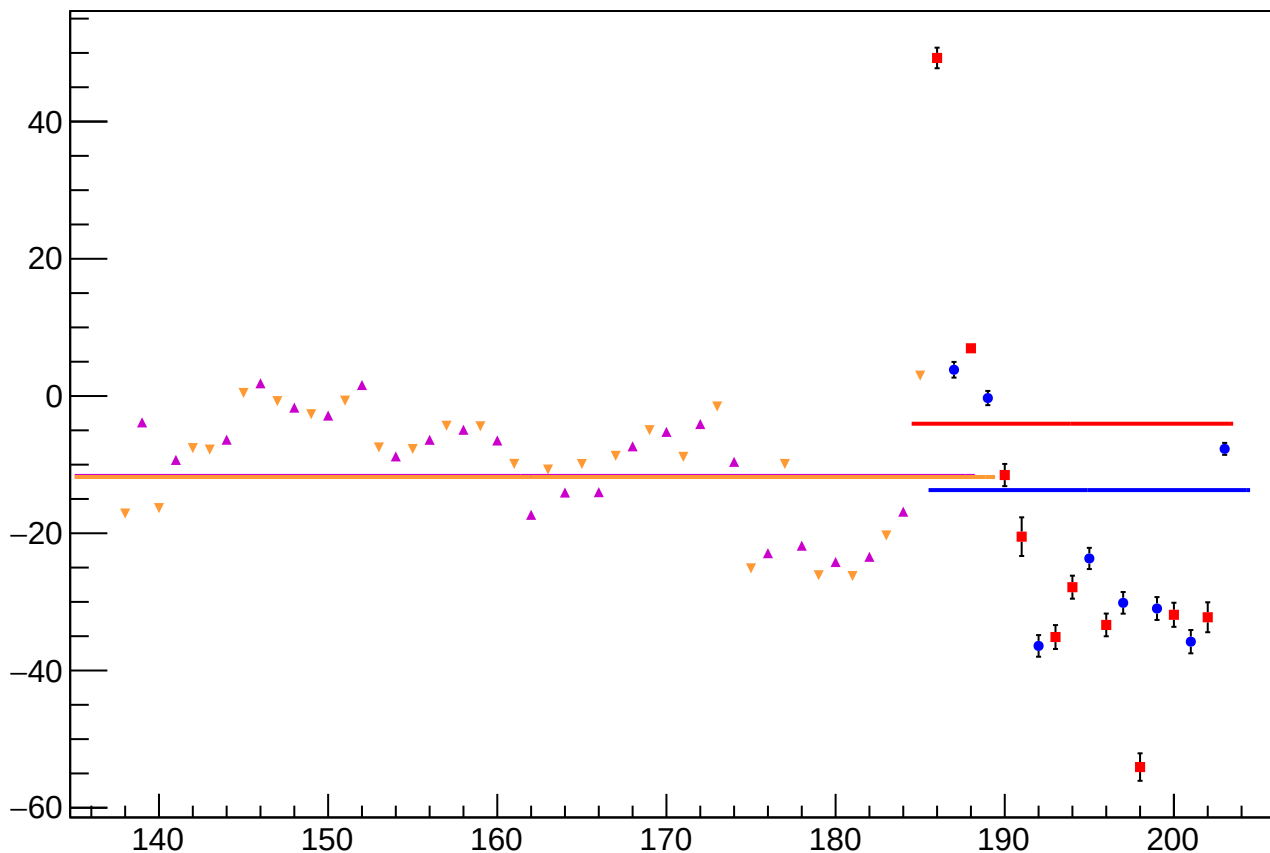
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.172 ± 0.001 χ^2/NDF : 15362.1/32

All: -0.170 ± 0.001 χ^2/NDF : 34402.0/65

- sign -0.168 ± 0.001 χ^2/NDF : 19030.4/32

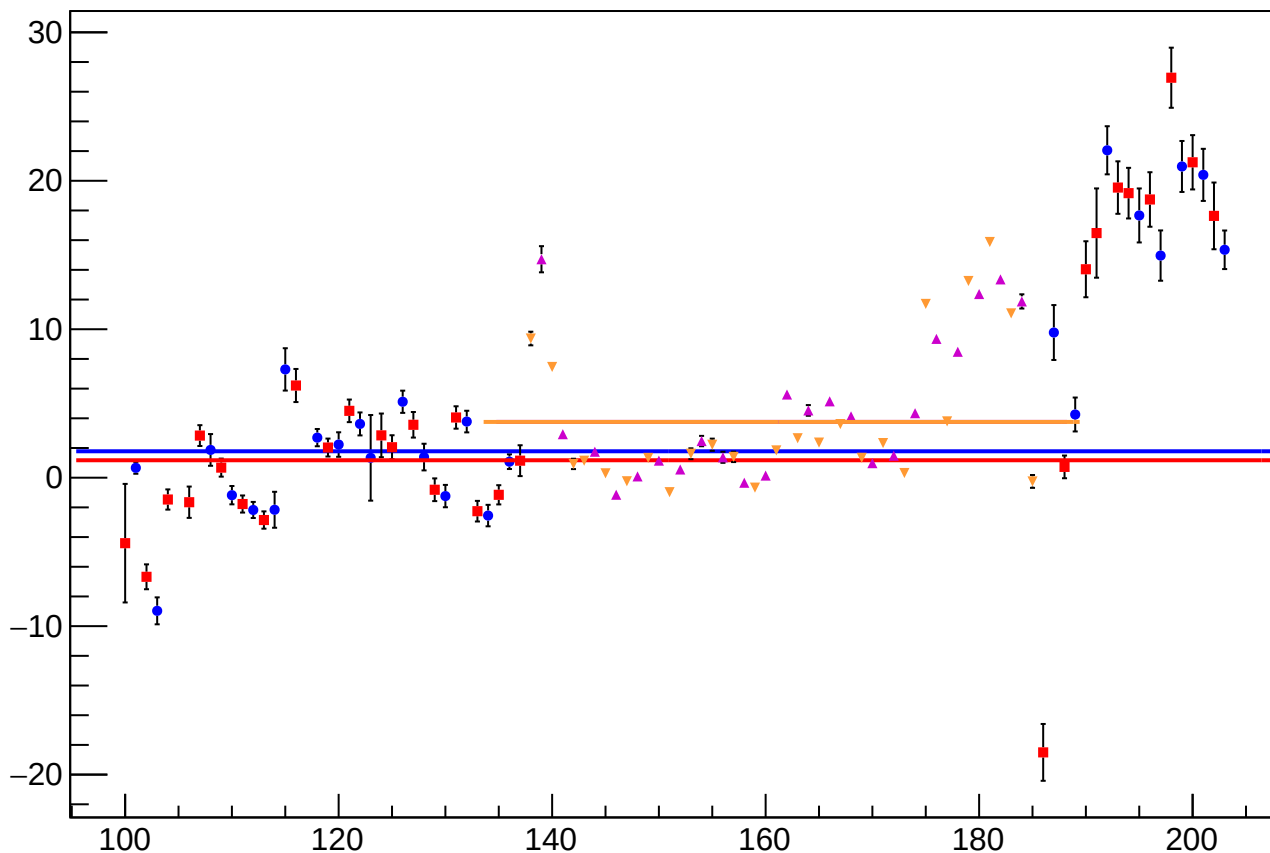
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -13.709 ± 0.450 $\chi^2/\text{NDF}: 1084.6/7$
 Left Out: -11.801 ± 0.070 $\chi^2/\text{NDF}: 17308.2/24$
 Right Out: -4.035 ± 0.400 $\chi^2/\text{NDF}: 3616.3/9$
 Left In: -11.642 ± 0.072 $\chi^2/\text{NDF}: 14121.2/22$

+ sign -11.847 ± 0.069 $\chi^2/\text{NDF}: 18410.3/32$
 All: -11.629 ± 0.049 $\chi^2/\text{NDF}: 36518.6/65$
 - sign -11.406 ± 0.070 $\chi^2/\text{NDF}: 18088.4/32$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.780 ± 0.163 $\chi^2/\text{NDF}: 1003.3/24$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 1.175 ± 0.165 $\chi^2/\text{NDF}: 1127.9/28$

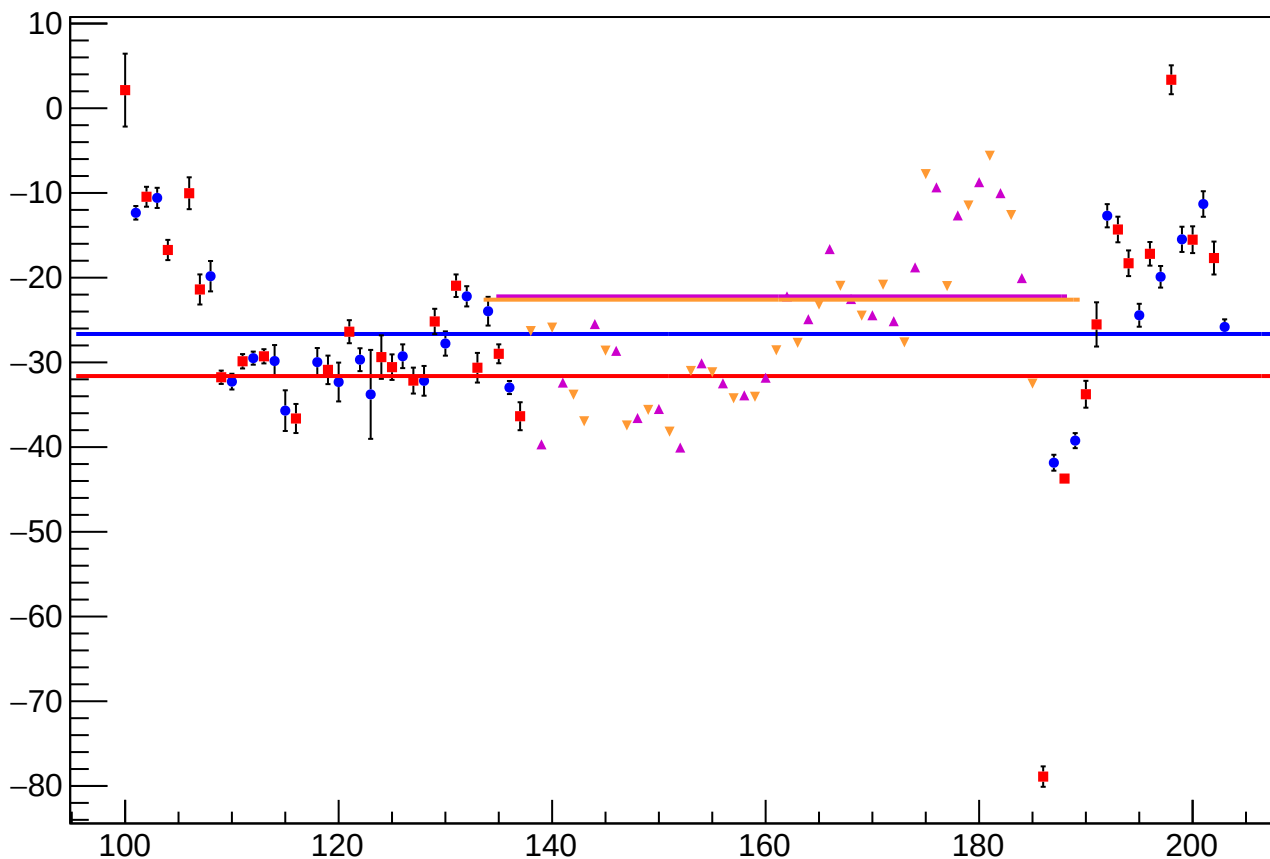
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.550 ± 0.053 $\chi^2/\text{NDF}: 8586.1/49$

All: 3.518 ± 0.038 $\chi^2/\text{NDF}: 15563.7/101$

- sign 3.485 ± 0.054 $\chi^2/\text{NDF}: 6976.7/51$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -26.647 ± 0.241 $\chi^2/\text{NDF}: 1453.3/24$

Left Out: -22.598 ± 0.071 $\chi^2/\text{NDF}: 19933.4/24$

Right Out: -31.613 ± 0.222 $\chi^2/\text{NDF}: 4056.5/28$

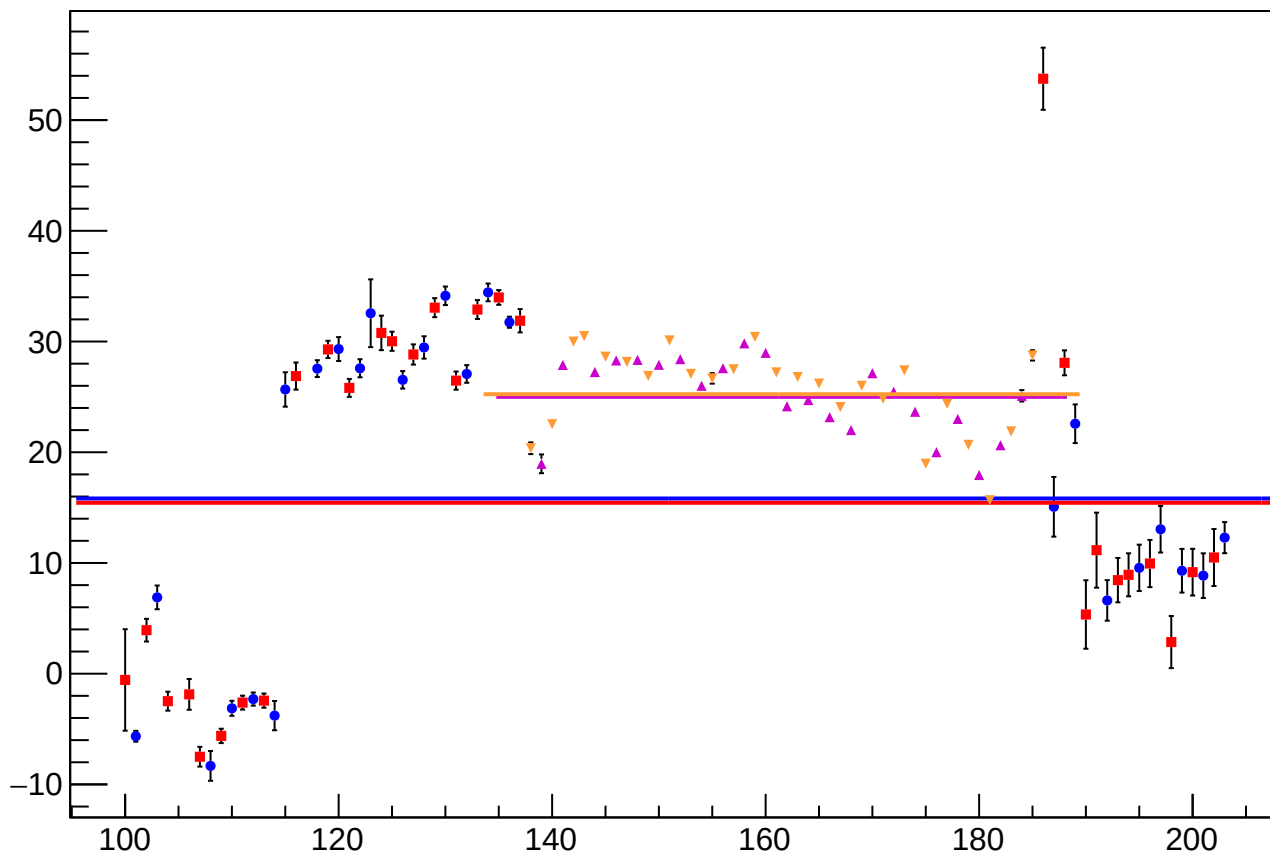
Left In: -22.209 ± 0.072 $\chi^2/\text{NDF}: 17627.4/22$

+ sign -22.919 ± 0.068 $\chi^2/\text{NDF}: 21647.3/49$

All: -23.005 ± 0.048 $\chi^2/\text{NDF}: 44953.9/101$

- sign -23.092 ± 0.068 $\chi^2/\text{NDF}: 23303.3/51$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.824 ± 0.185 χ^2/NDF : 7624.5/24

Left Out: 25.242 ± 0.063 χ^2/NDF : 3786.5/24

Right Out: 15.437 ± 0.189 χ^2/NDF : 7658.0/28

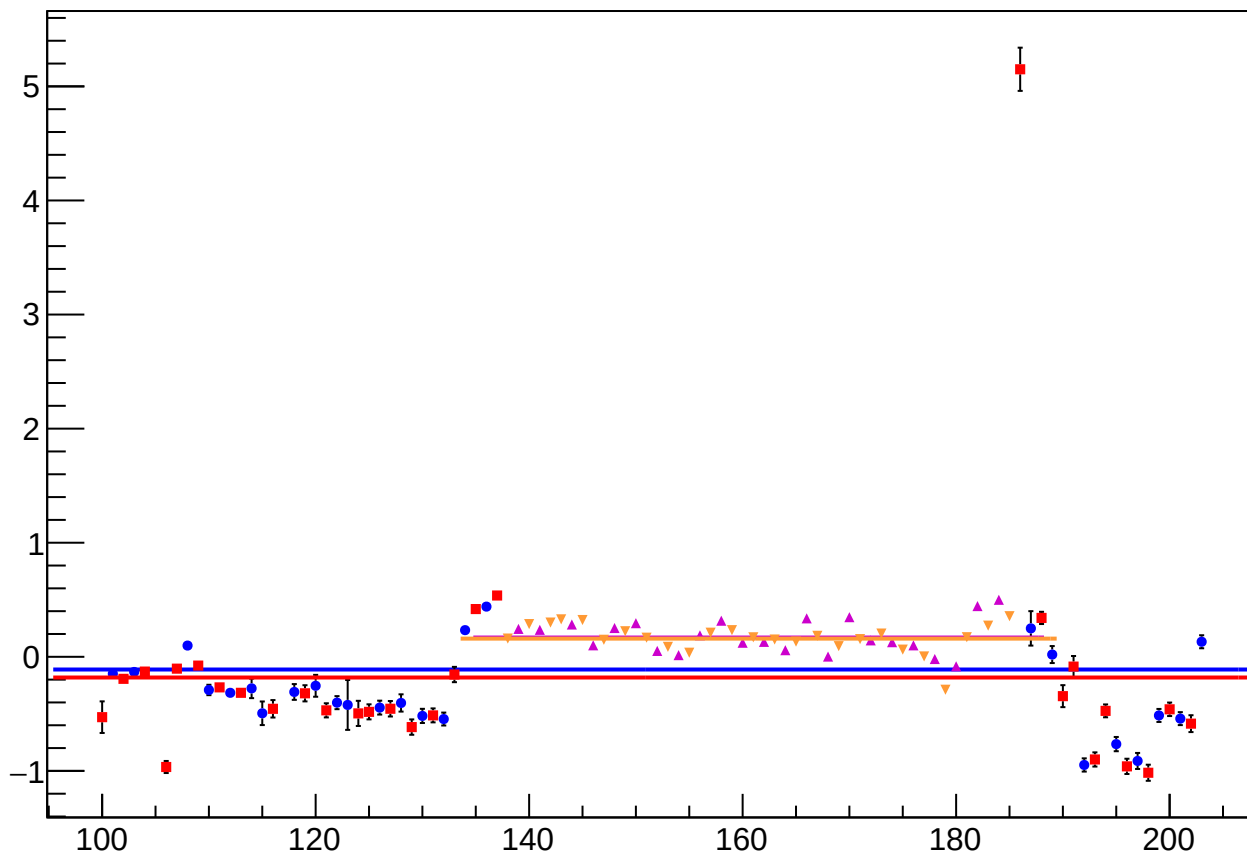
Left In: 25.009 ± 0.064 χ^2/NDF : 2722.0/22

+ sign 24.273 ± 0.059 χ^2/NDF : 13737.7/49

All: 24.152 ± 0.042 χ^2/NDF : 26434.4/101

- sign 24.026 ± 0.060 χ^2/NDF : 12688.2/51

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.111 ± 0.009 χ^2/NDF : 1648.9/24

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.181 ± 0.009 χ^2/NDF : 2561.4/28

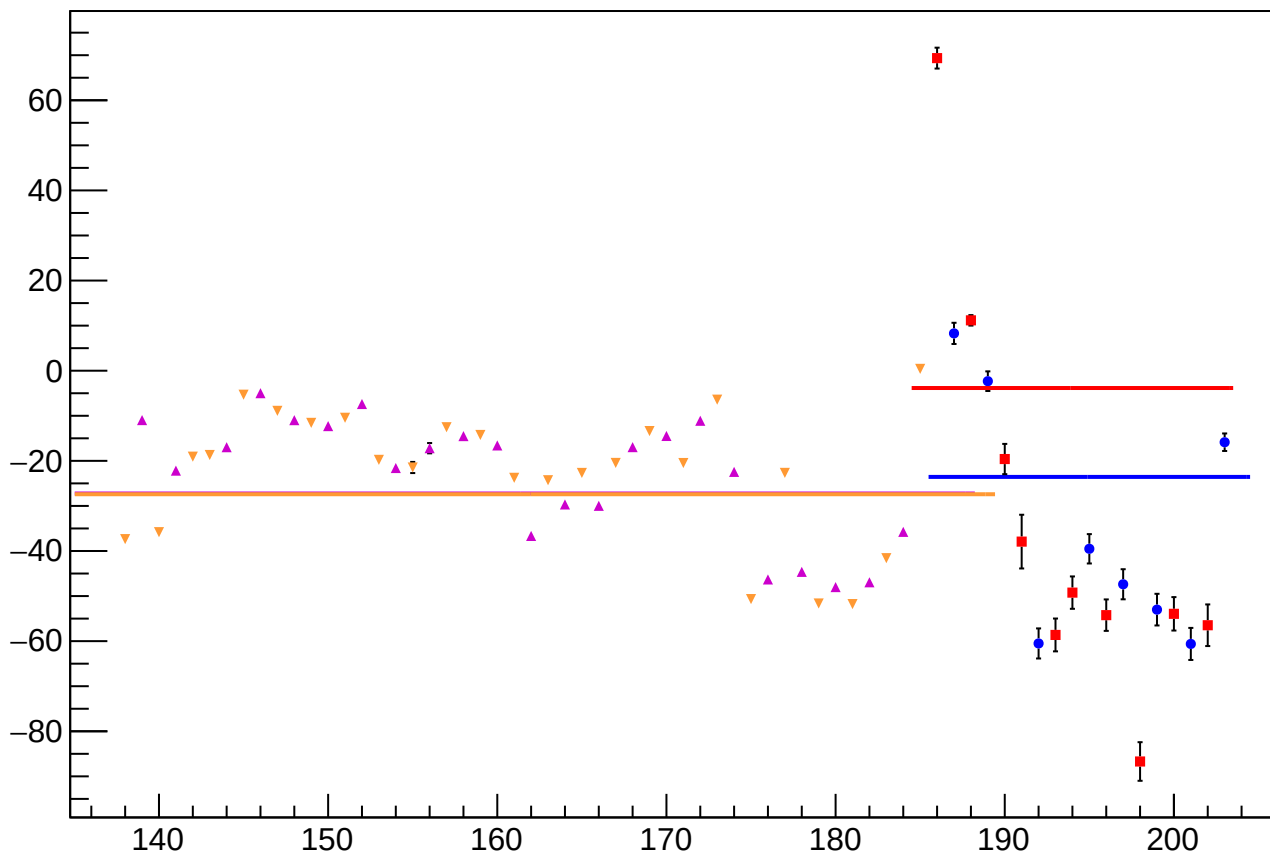
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.136 ± 0.003 χ^2/NDF : 4268.1/49

All: 0.137 ± 0.002 χ^2/NDF : 10518.3/101

- sign 0.138 ± 0.003 χ^2/NDF : 6250.1/51

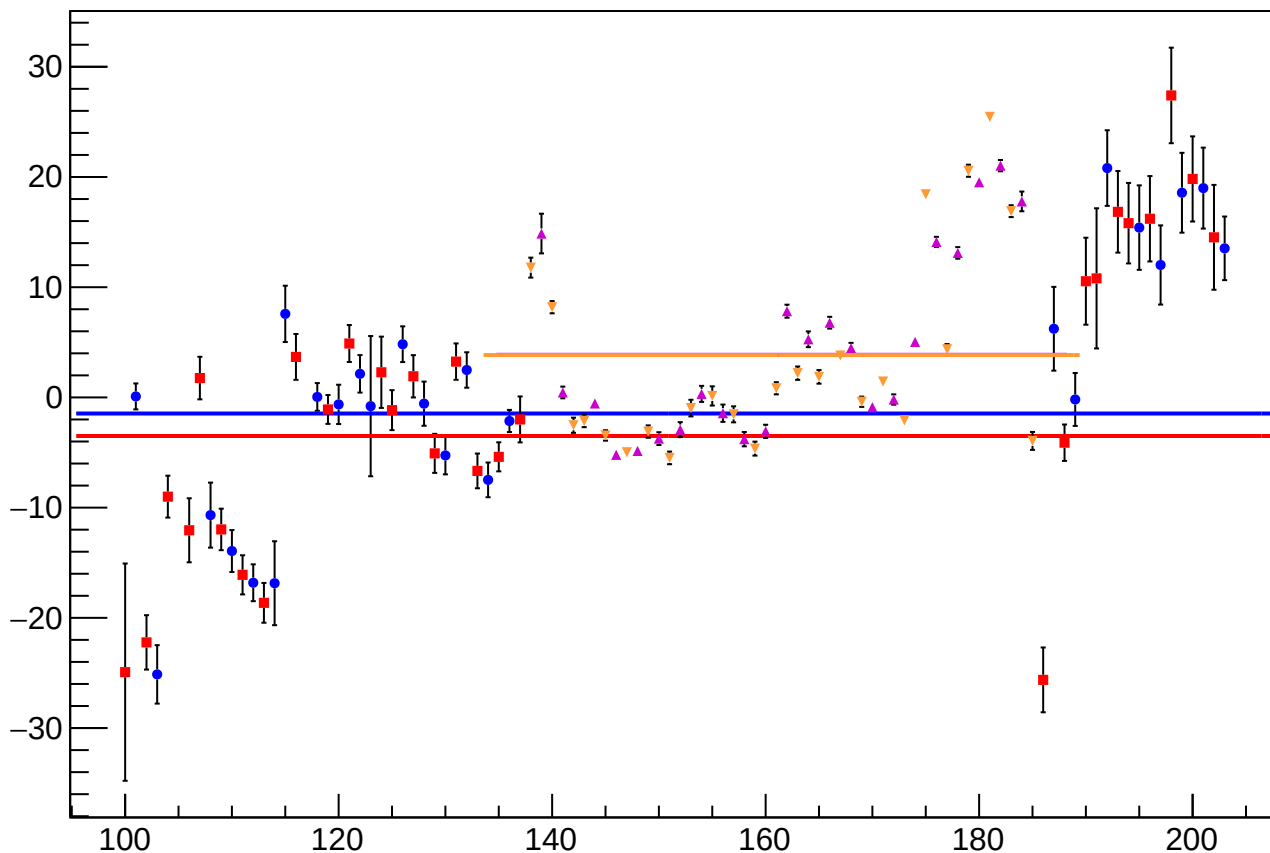
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -23.562 ± 0.958 χ^2/NDF : 670.7/7
 Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24
 Right Out: -3.840 ± 0.829 χ^2/NDF : 2500.5/9
 Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -27.331 ± 0.135 χ^2/NDF : 15537.0/32
 All: -26.971 ± 0.096 χ^2/NDF : 30131.4/65
 - sign -26.600 ± 0.137 χ^2/NDF : 14580.1/32

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.460 ± 0.388 $\chi^2/\text{NDF}: 463.3/24$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -3.499 ± 0.394 $\chi^2/\text{NDF}: 565.2/28$

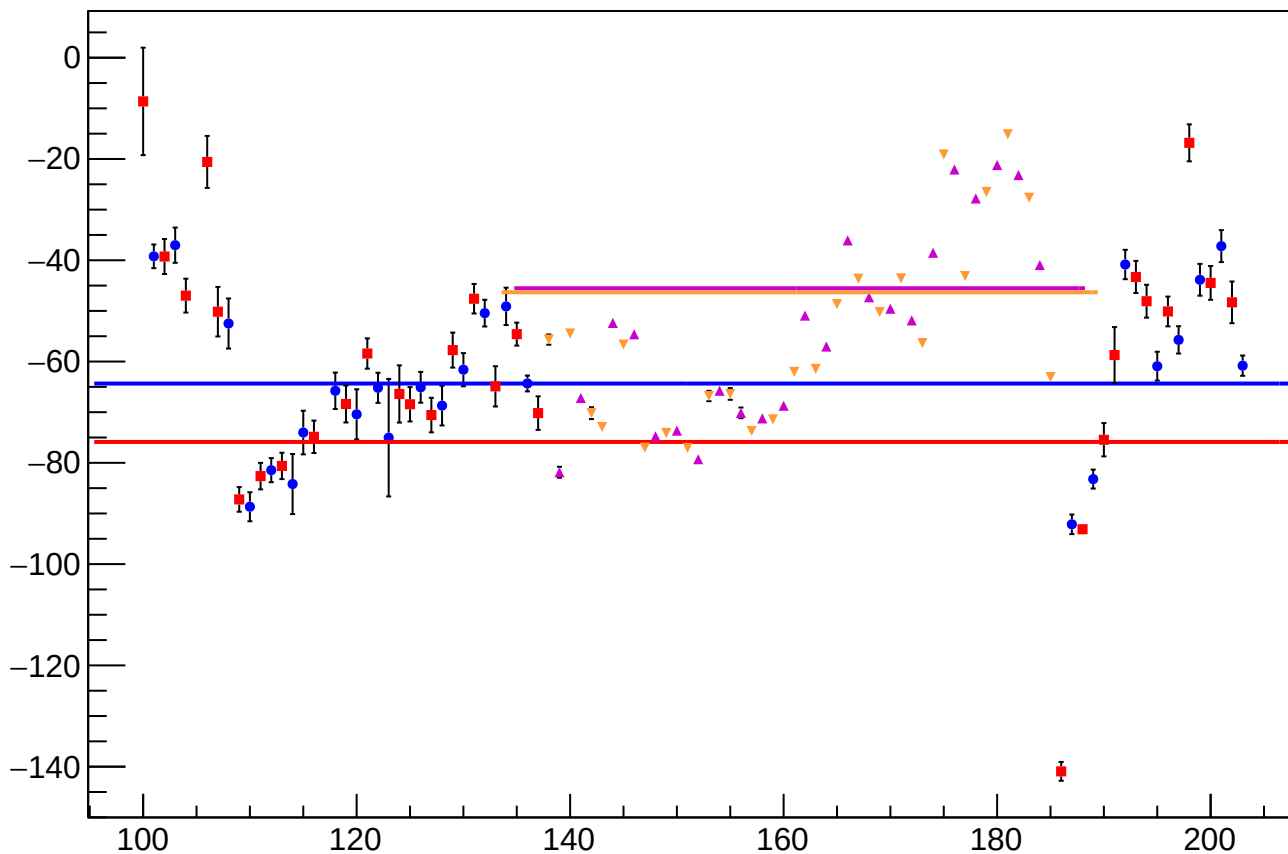
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.452 ± 0.105 $\chi^2/\text{NDF}: 7575.6/49$

All: 3.389 ± 0.075 $\chi^2/\text{NDF}: 13888.7/101$

- sign 3.323 ± 0.107 $\chi^2/\text{NDF}: 6312.4/51$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -64.344 ± 0.559 χ^2/NDF : 877.5/24

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -75.877 ± 0.510 χ^2/NDF : 2890.6/28

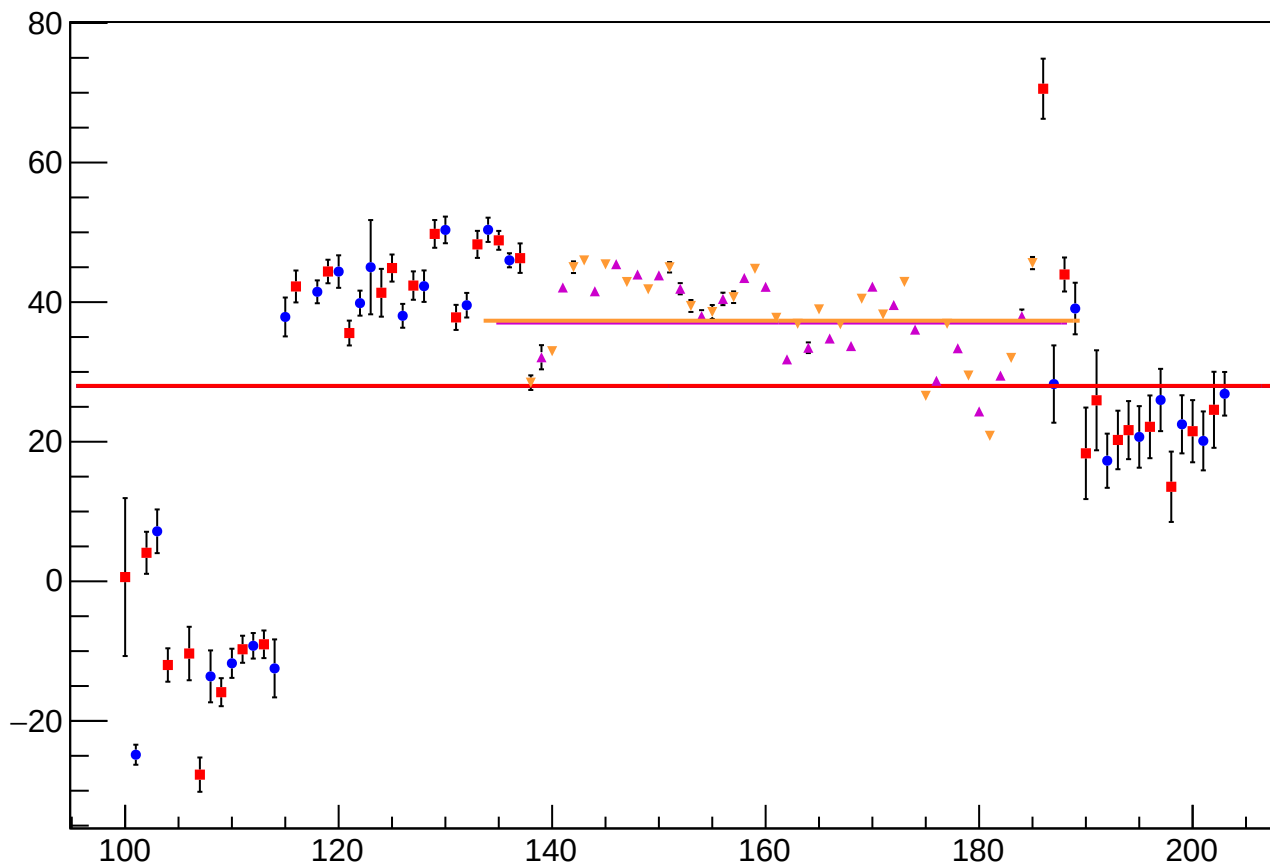
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.353 ± 0.134 χ^2/NDF : 21992.9/49

All: -47.498 ± 0.095 χ^2/NDF : 45711.2/101

- sign -47.645 ± 0.135 χ^2/NDF : 23716.0/51

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 27.984 $\pm$ 0.439 χ^2 /NDF: 3336.1/24

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 27.999 $\pm$ 0.452 χ^2 /NDF: 3194.0/28

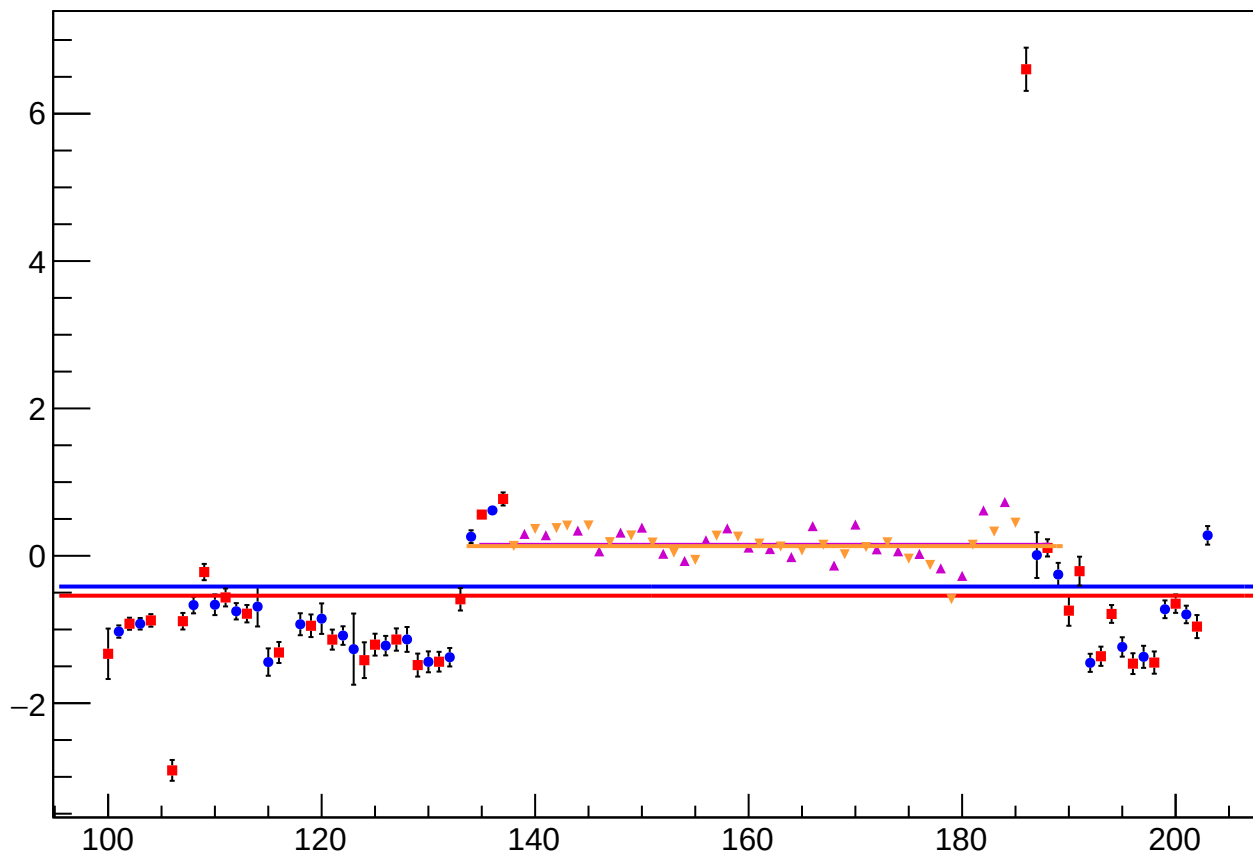
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.659 $\pm$ 0.118 χ^2 /NDF: 6907.1/49

All: 36.545 $\pm$ 0.084 χ^2 /NDF: 12875.0/101

- sign 36.427 $\pm$ 0.121 χ^2 /NDF: 5966.0/51

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.417 ± 0.022 χ^2/NDF : 1225.0/24

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.541 ± 0.023 χ^2/NDF : 1919.5/28

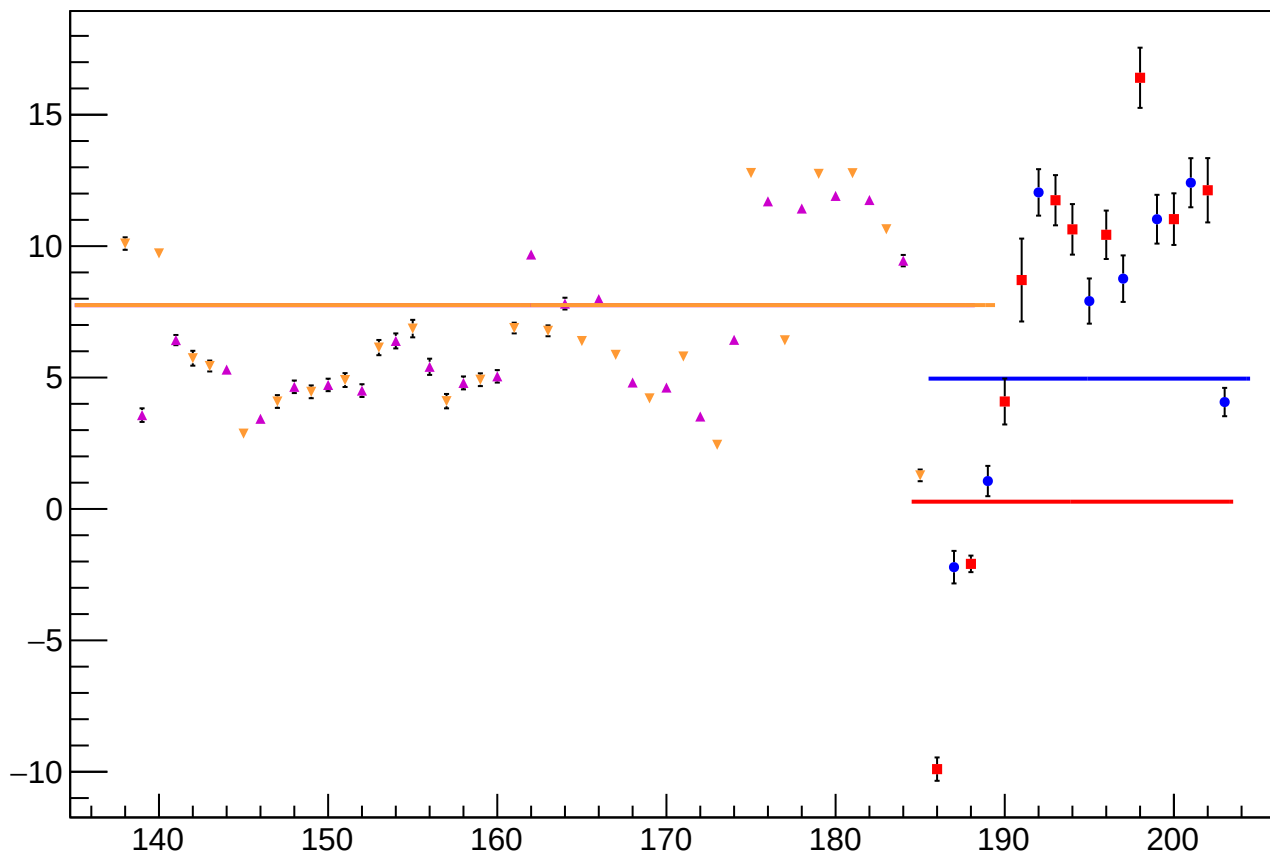
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.098 ± 0.005 χ^2/NDF : 3223.6/49

All: 0.102 ± 0.004 χ^2/NDF : 7826.2/101

- sign 0.107 ± 0.006 χ^2/NDF : 4601.4/51

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 4.959 $\pm$ 0.256 χ^2/NDF : 383.6/7

Left Out: 7.757 $\pm$ 0.034 χ^2/NDF : 11728.6/24

Right Out: 0.277 $\pm$ 0.210 χ^2/NDF : 1422.6/9

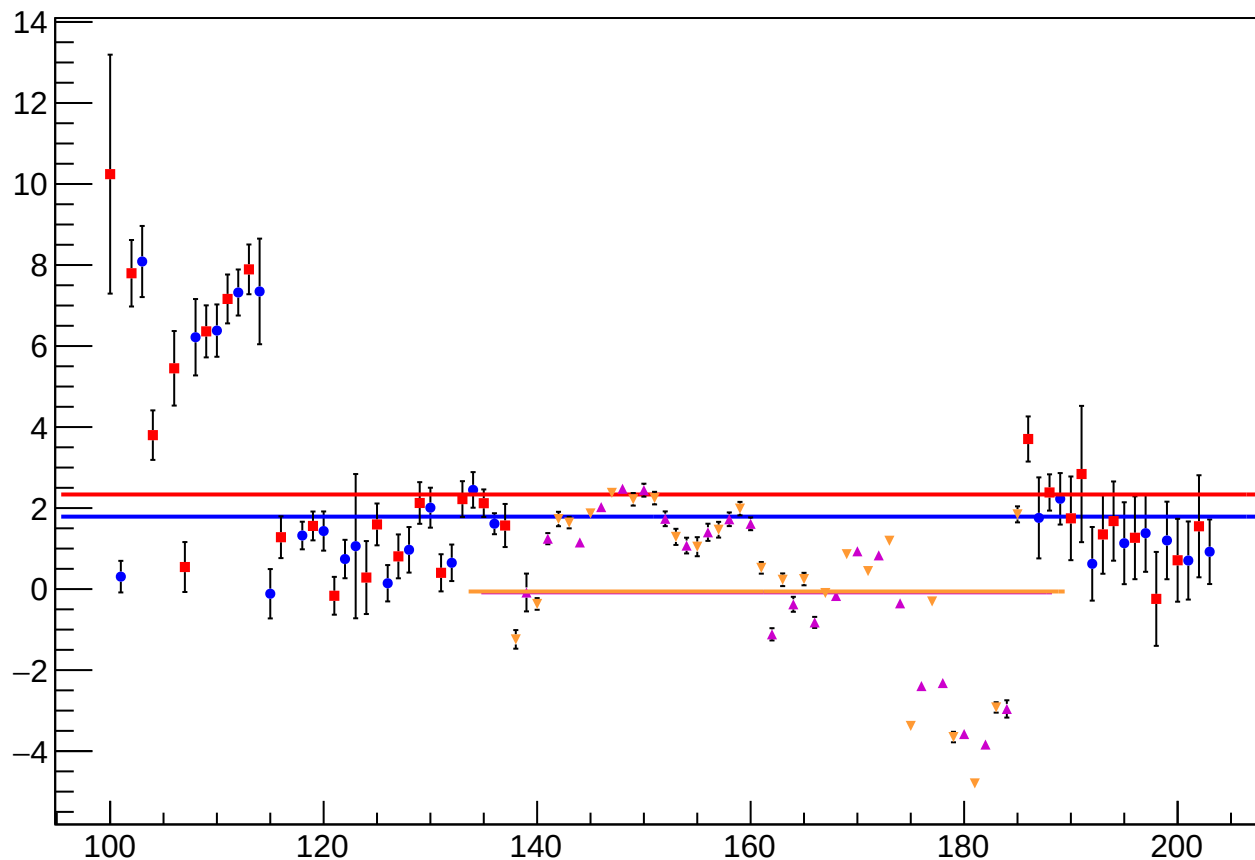
Left In: 7.753 $\pm$ 0.035 χ^2/NDF : 8345.2/22

+ sign 7.708 $\pm$ 0.034 χ^2/NDF : 12229.7/32

All: 7.630 $\pm$ 0.024 χ^2/NDF : 23242.3/65

- sign 7.550 $\pm$ 0.035 χ^2/NDF : 11002.1/32

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.789 ± 0.110 χ^2/NDF : 299.1/24

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.336 ± 0.111 χ^2/NDF : 352.5/28

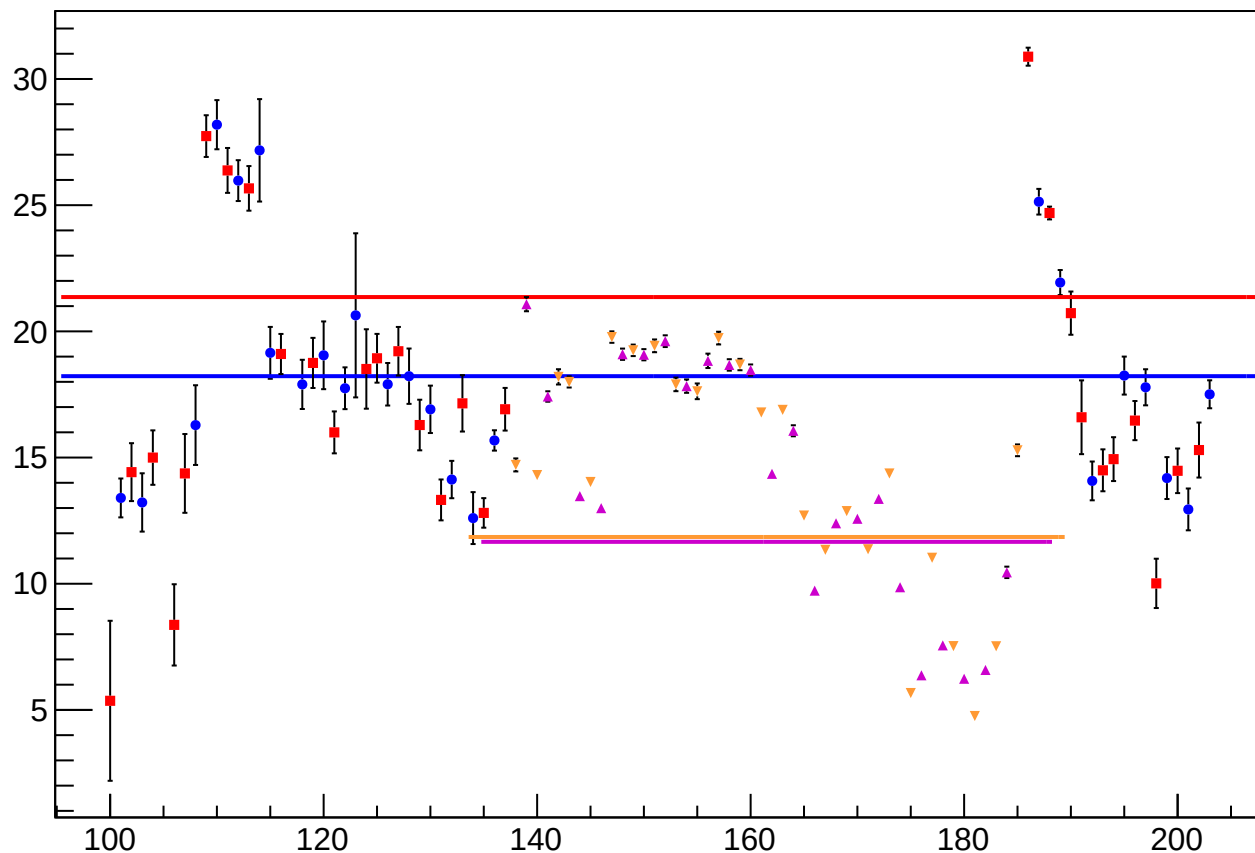
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.052 ± 0.027 χ^2/NDF : 6634.8/49

All: 0.059 ± 0.019 χ^2/NDF : 12412.4/101

- sign 0.067 ± 0.027 χ^2/NDF : 5777.4/51

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.225 ± 0.155 $\chi^2/\text{NDF}: 716.0/24$

Left Out: 11.853 ± 0.035 $\chi^2/\text{NDF}: 19149.4/24$

Right Out: 21.359 ± 0.137 $\chi^2/\text{NDF}: 2032.1/28$

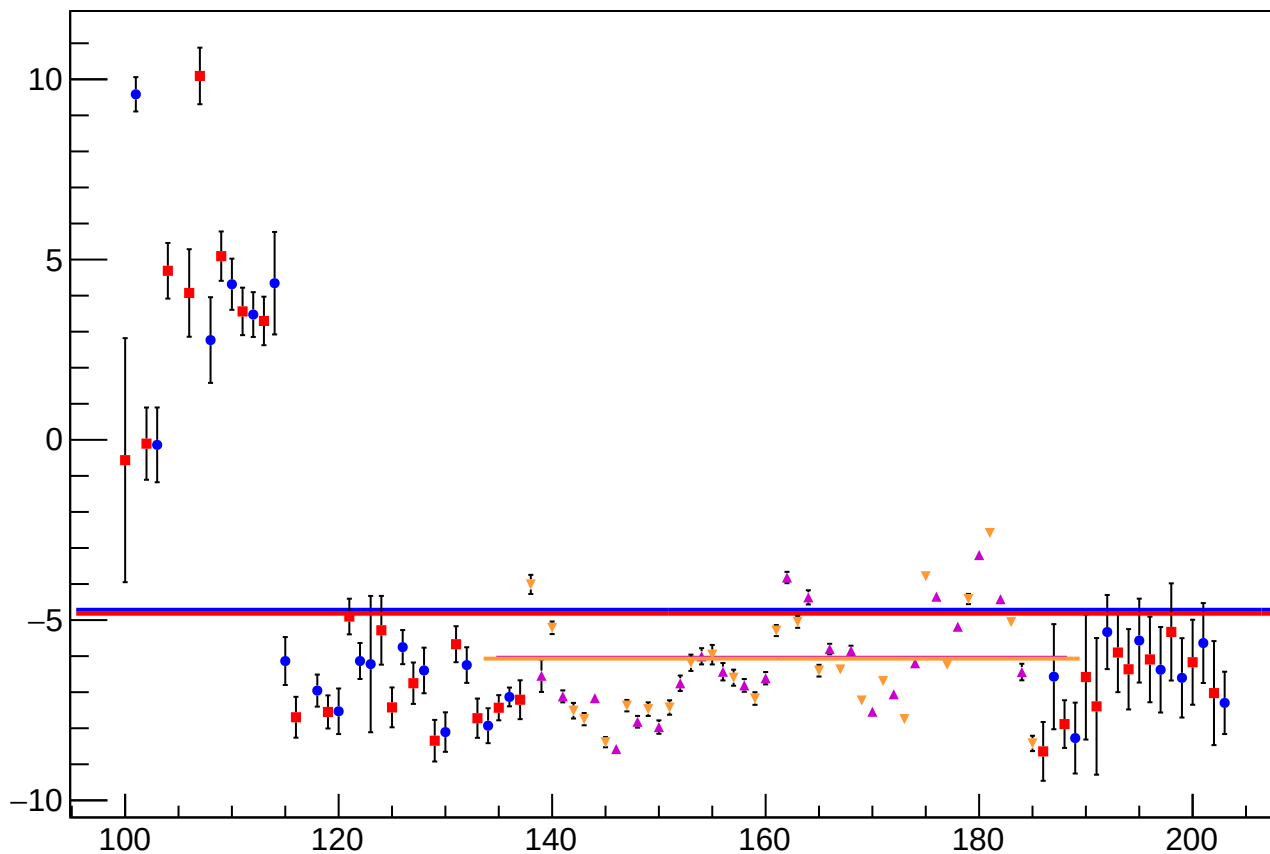
Left In: 11.660 ± 0.035 $\chi^2/\text{NDF}: 16710.2/22$

+ sign 12.156 ± 0.034 $\chi^2/\text{NDF}: 21473.0/49$

All: 12.209 ± 0.024 $\chi^2/\text{NDF}: 44946.4/101$

- sign 12.263 ± 0.034 $\chi^2/\text{NDF}: 23468.4/51$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.714 ± 0.124 χ^2/NDF : 1615.8/24

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.823 ± 0.127 χ^2/NDF : 1401.6/28

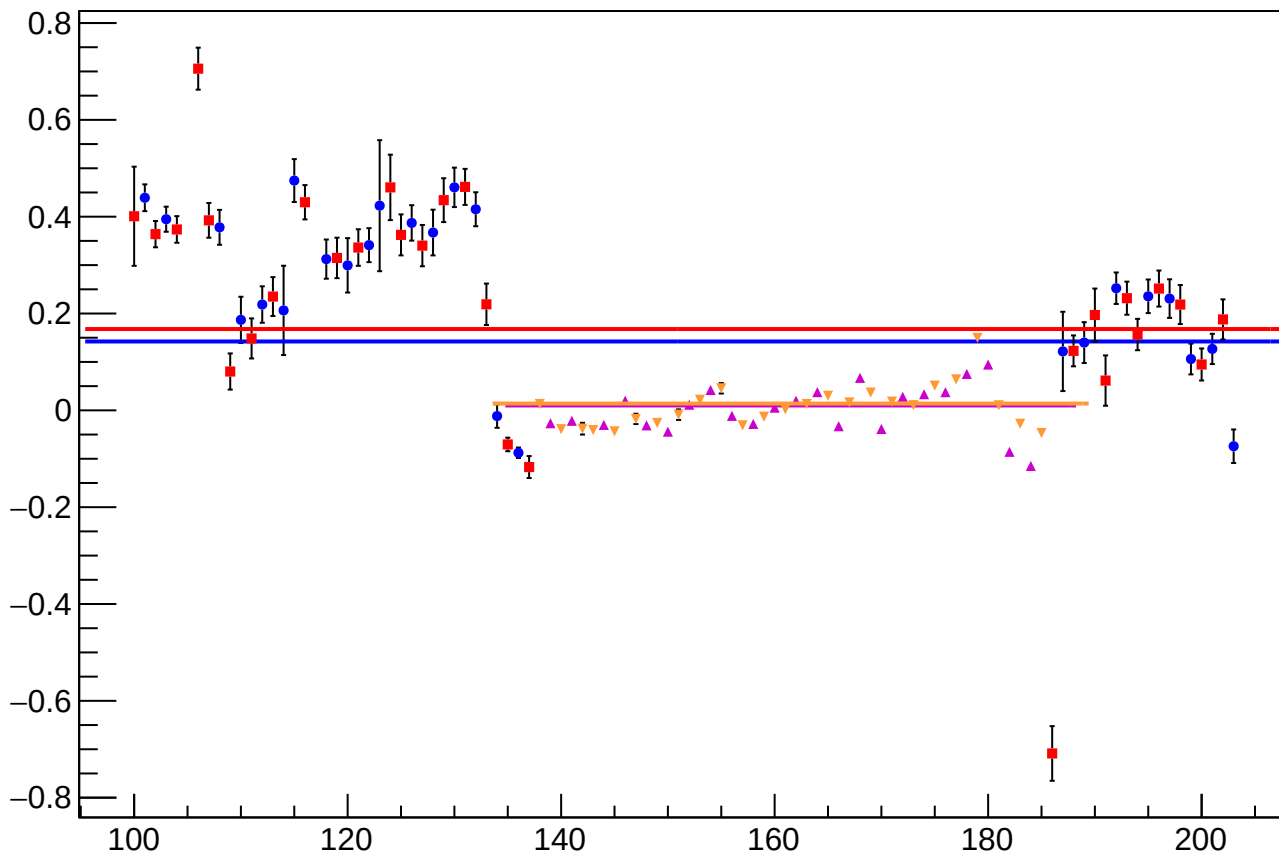
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.988 ± 0.030 χ^2/NDF : 4400.6/49

All: -5.981 ± 0.022 χ^2/NDF : 8182.5/101

- sign -5.974 ± 0.031 χ^2/NDF : 3781.9/51

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.006 χ^2/NDF : 1121.9/24

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.168 ± 0.006 χ^2/NDF : 1265.8/28

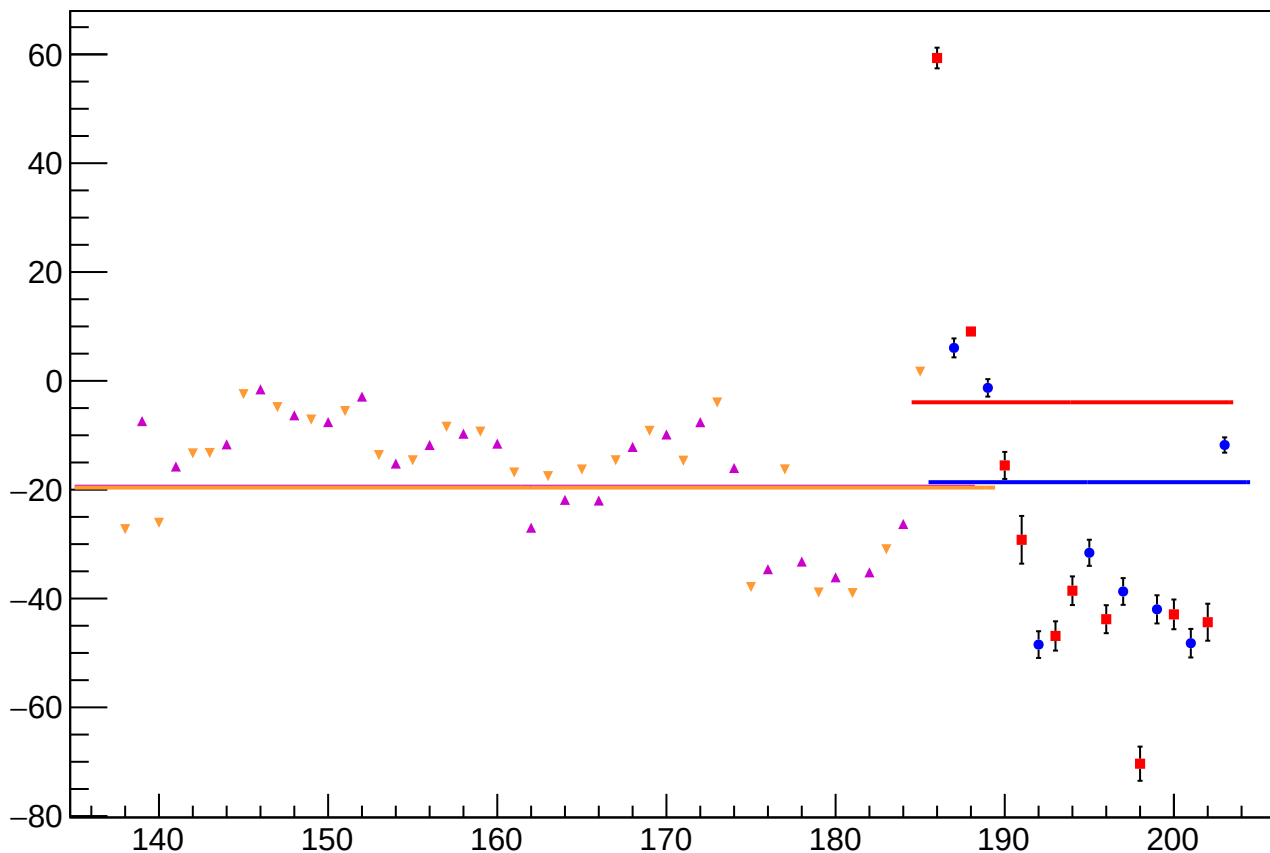
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.020 ± 0.001 χ^2/NDF : 2483.1/49

All: 0.019 ± 0.001 χ^2/NDF : 5554.7/101

- sign 0.018 ± 0.001 χ^2/NDF : 3069.9/51

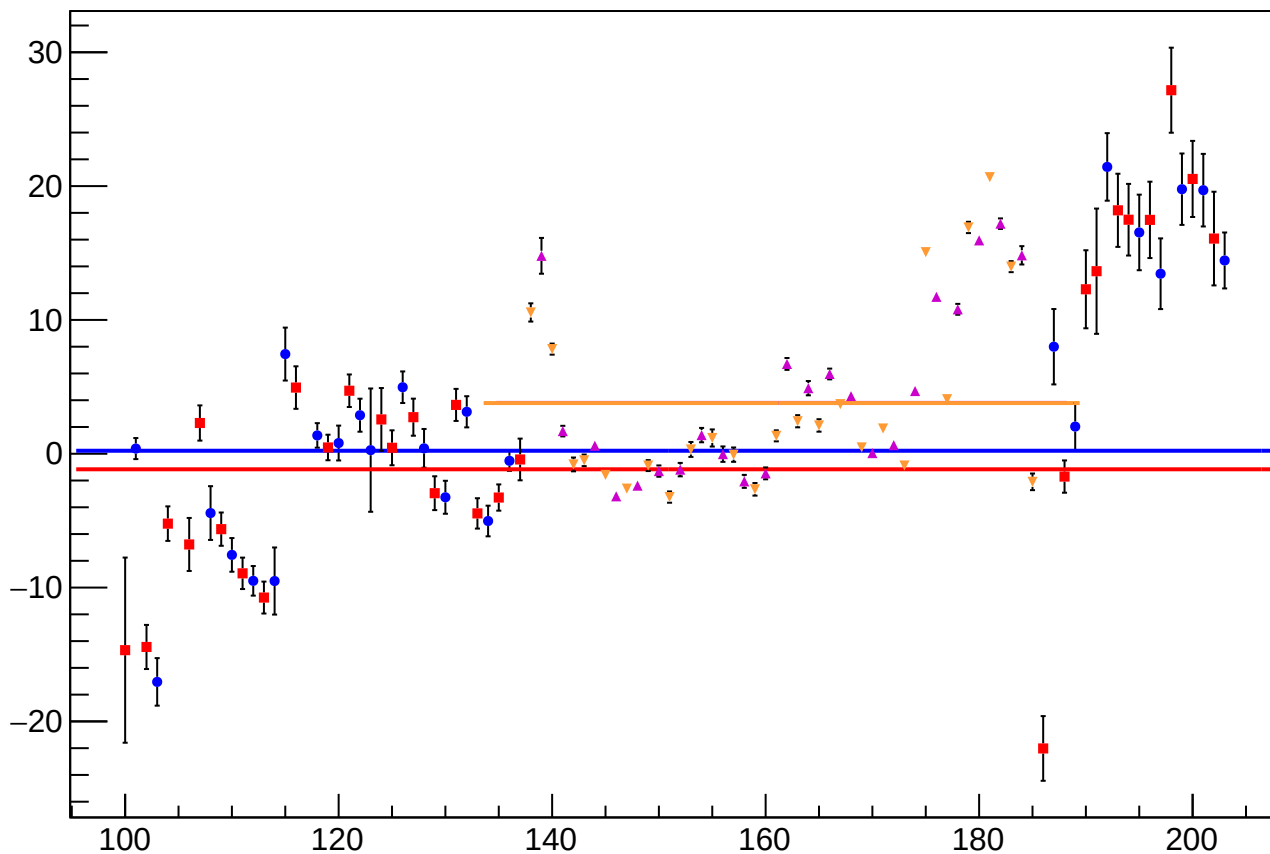
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -18.620 ± 0.703 $\chi^2/\text{NDF}: 793.5/7$
 Left Out: -19.612 ± 0.103 $\chi^2/\text{NDF}: 15761.3/24$
 Right Out: -3.939 ± 0.616 $\chi^2/\text{NDF}: 2858.8/9$
 Left In: -19.450 ± 0.105 $\chi^2/\text{NDF}: 12283.1/22$

+ sign -19.591 ± 0.102 $\chi^2/\text{NDF}: 16556.8/32$
 All: -19.306 ± 0.073 $\chi^2/\text{NDF}: 32331.1/65$
 - sign -19.012 ± 0.104 $\chi^2/\text{NDF}: 15758.5/32$

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.224 ± 0.277 χ^2/NDF : 592.0/24

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -1.161 ± 0.281 χ^2/NDF : 708.4/28

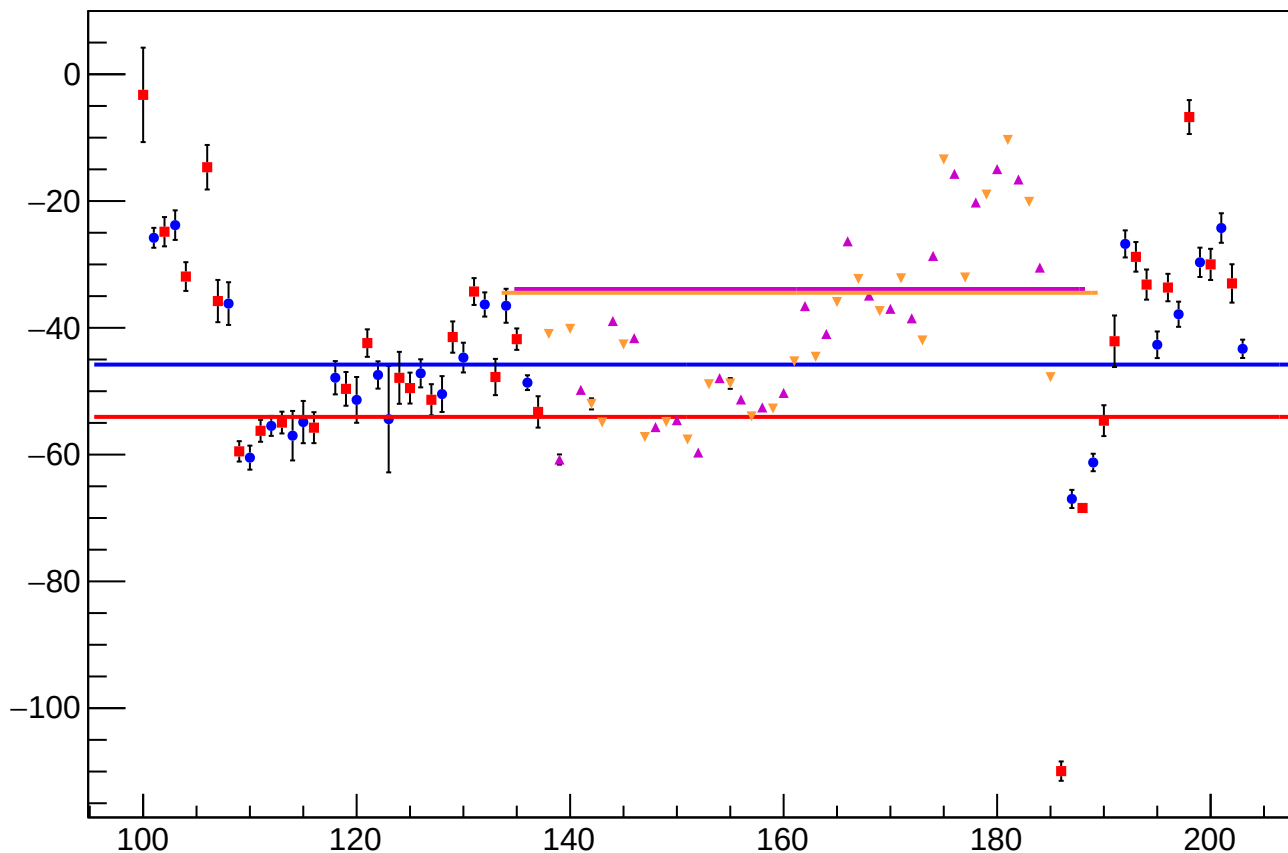
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.500 ± 0.079 χ^2/NDF : 7894.7/49

All: 3.449 ± 0.056 χ^2/NDF : 14406.5/101

- sign 3.397 ± 0.080 χ^2/NDF : 6511.0/51

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -45.798 $\pm$ 0.402 χ^2 /NDF: 1003.1/24

Left Out: -34.471 $\pm$ 0.104 χ^2 /NDF: 20196.3/24

Right Out: -54.050 $\pm$ 0.369 χ^2 /NDF: 3207.3/28

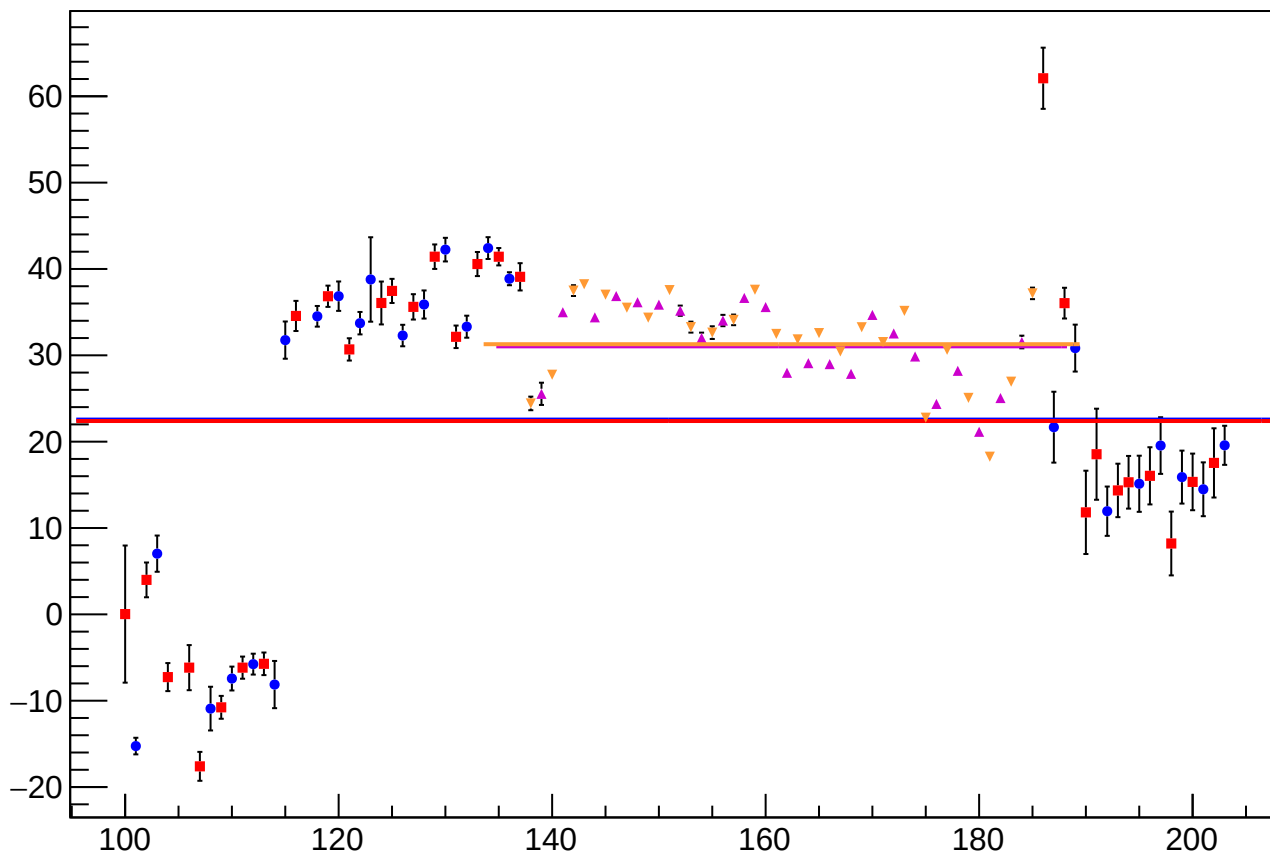
Left In: -33.875 $\pm$ 0.105 χ^2 /NDF: 17638.7/22

+ sign -35.181 $\pm$ 0.101 χ^2 /NDF: 21943.8/49

All: -35.287 $\pm$ 0.071 χ^2 /NDF: 45557.5/101

- sign -35.394 $\pm$ 0.101 χ^2 /NDF: 23611.5/51

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.557 $\pm$ 0.314 χ^2 /NDF: 4360.7/24

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.391 $\pm$ 0.322 χ^2 /NDF: 4257.1/28

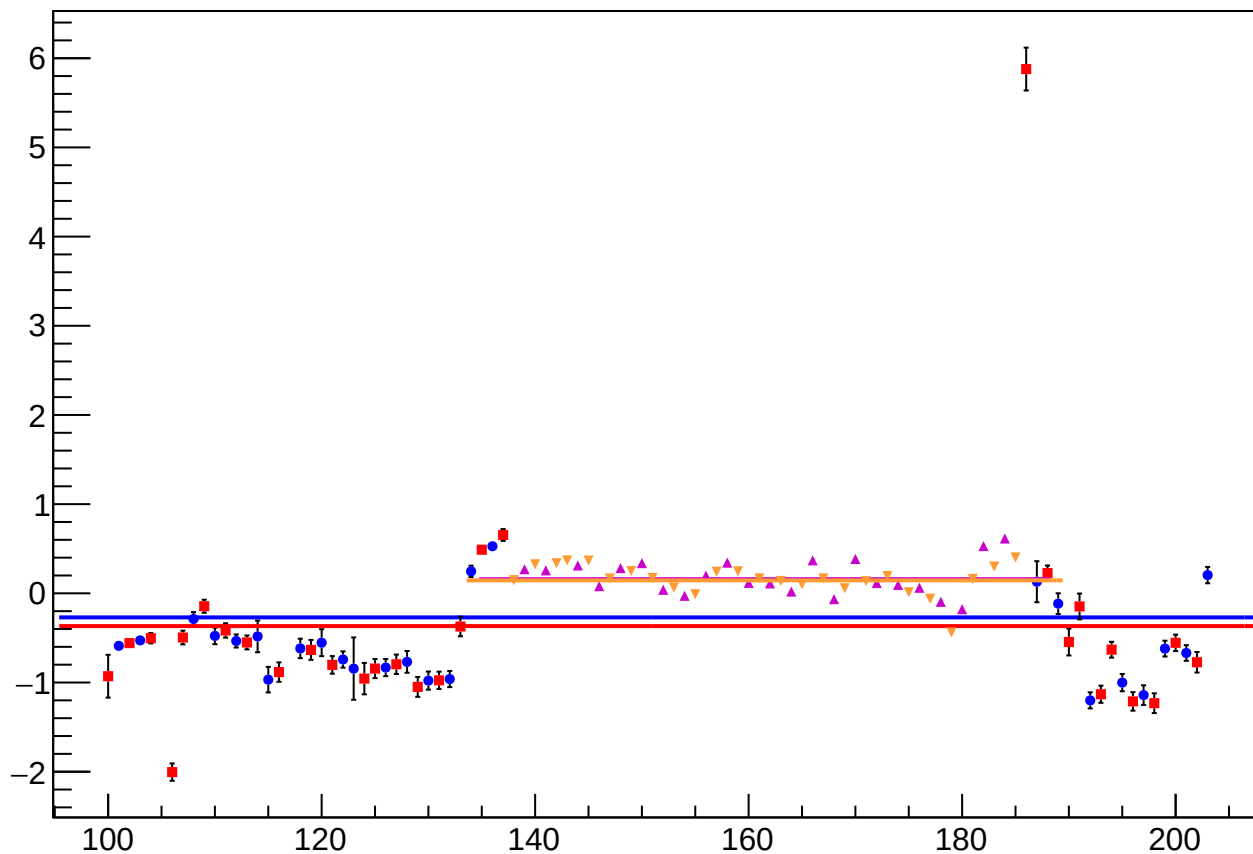
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.589 $\pm$ 0.089 χ^2 /NDF: 8419.5/49

All: 30.476 $\pm$ 0.063 χ^2 /NDF: 15823.3/101

- sign 30.359 $\pm$ 0.090 χ^2 /NDF: 7400.5/51

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.270 ± 0.016 χ^2/NDF : 1314.4/24

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.367 ± 0.016 χ^2/NDF : 2122.9/28

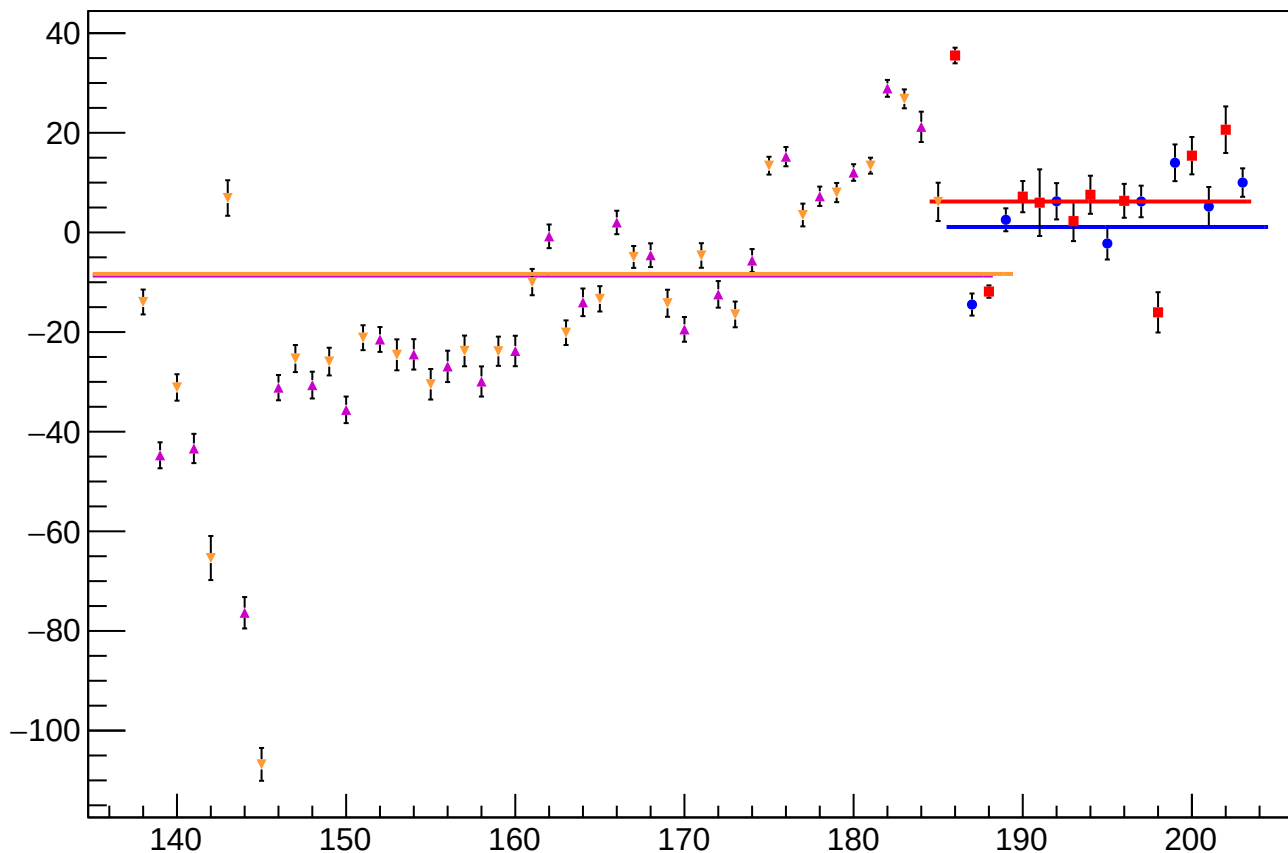
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.118 ± 0.004 χ^2/NDF : 3528.7/49

All: 0.121 ± 0.003 χ^2/NDF : 8660.3/101

- sign 0.124 ± 0.004 χ^2/NDF : 5130.7/51

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 1.092 ± 1.040 χ^2/NDF : 78.3/7

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 6.205 ± 0.797 χ^2/NDF : 608.0/9

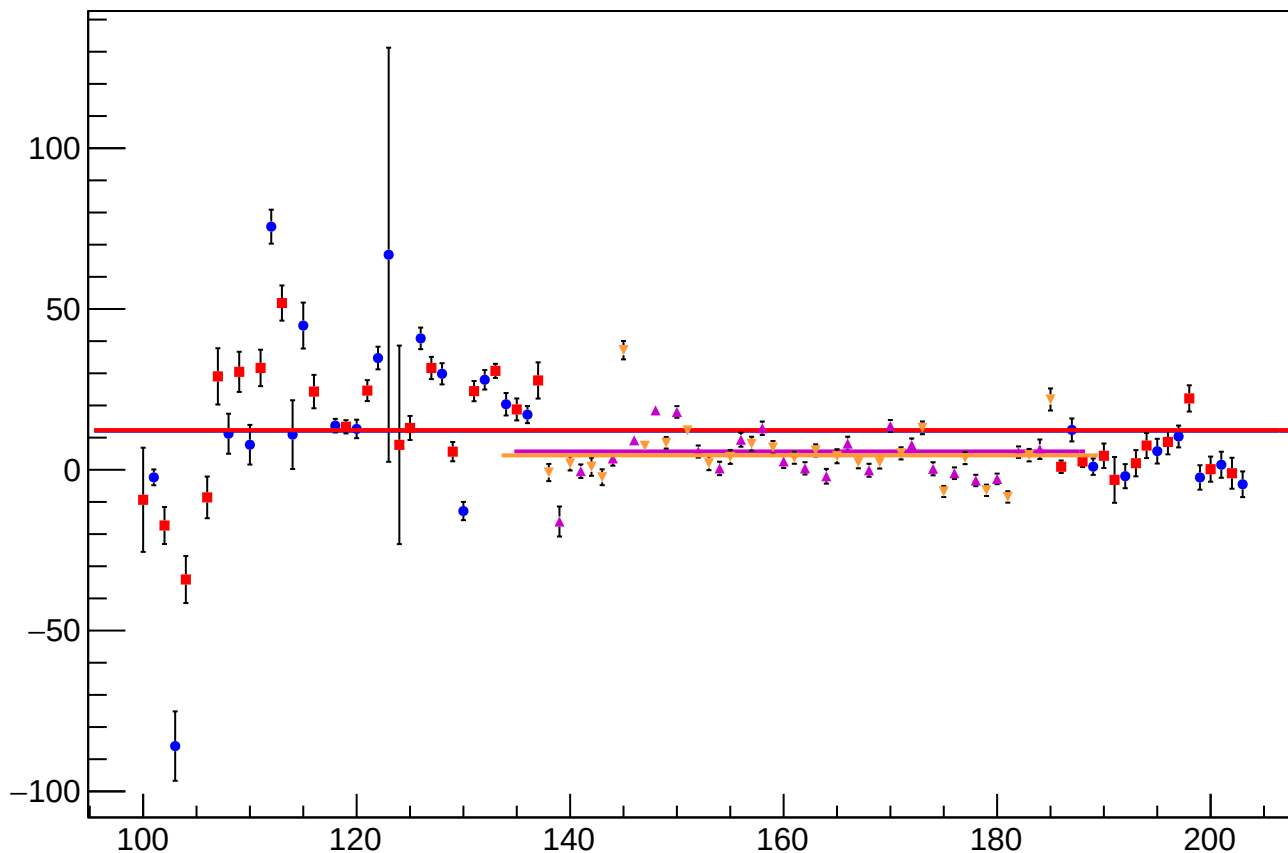
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -6.566 ± 0.450 χ^2/NDF : 2371.2/32

All: -5.410 ± 0.310 χ^2/NDF : 5463.0/65

- sign -4.367 ± 0.428 χ^2/NDF : 3079.2/32

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 12.145 $\pm$ 0.707 χ^2 /NDF: 616.4/24

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 12.340 $\pm$ 0.661 χ^2 /NDF: 414.9/28

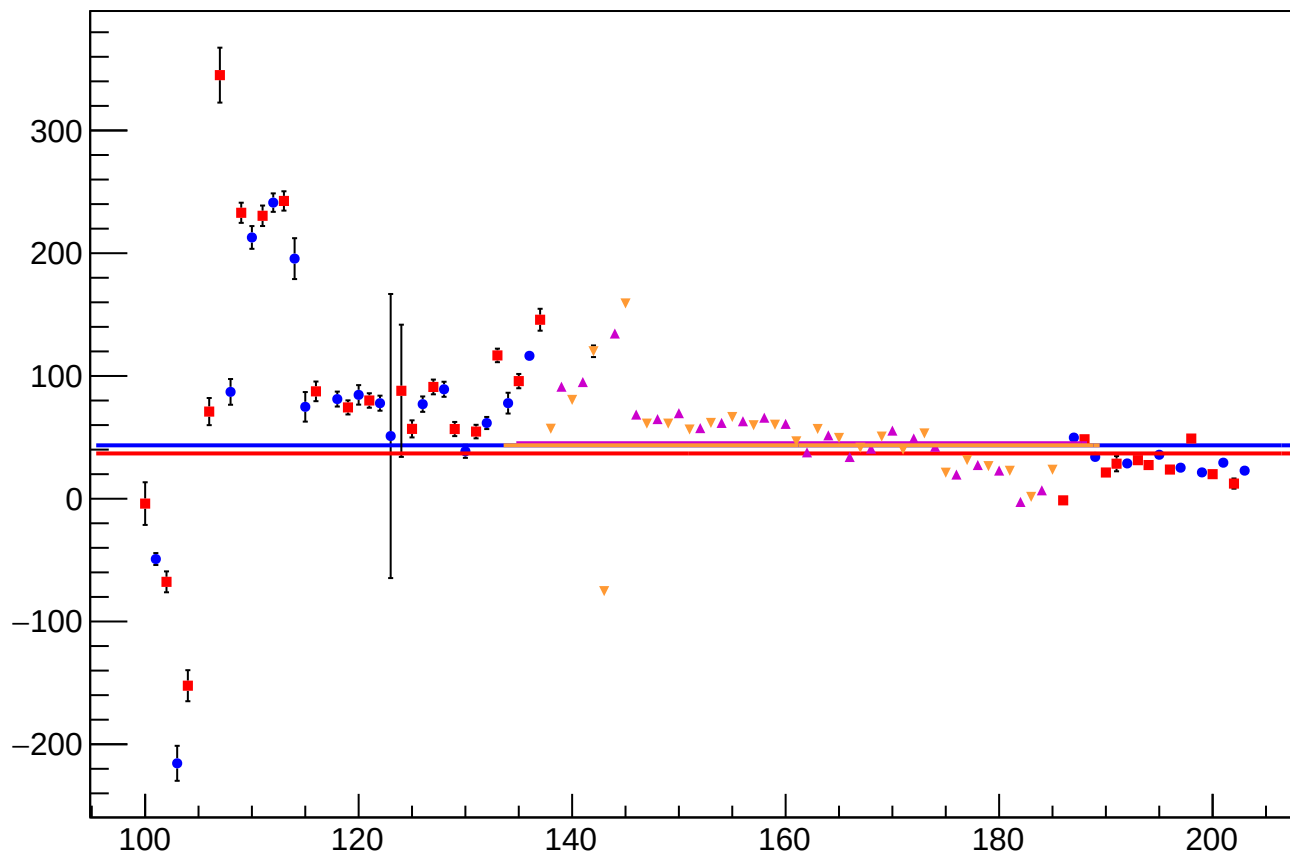
Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

+ sign 6.287 $\pm$ 0.343 χ^2 /NDF: 1078.0/49

All: 6.896 $\pm$ 0.243 χ^2 /NDF: 1896.7/101

- sign 7.512 $\pm$ 0.345 χ^2 /NDF: 812.3/51

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 43.492 $\pm$ 0.788 χ^2 /NDF: 2582.8/24

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 36.889 $\pm$ 0.617 χ^2 /NDF: 4268.9/28

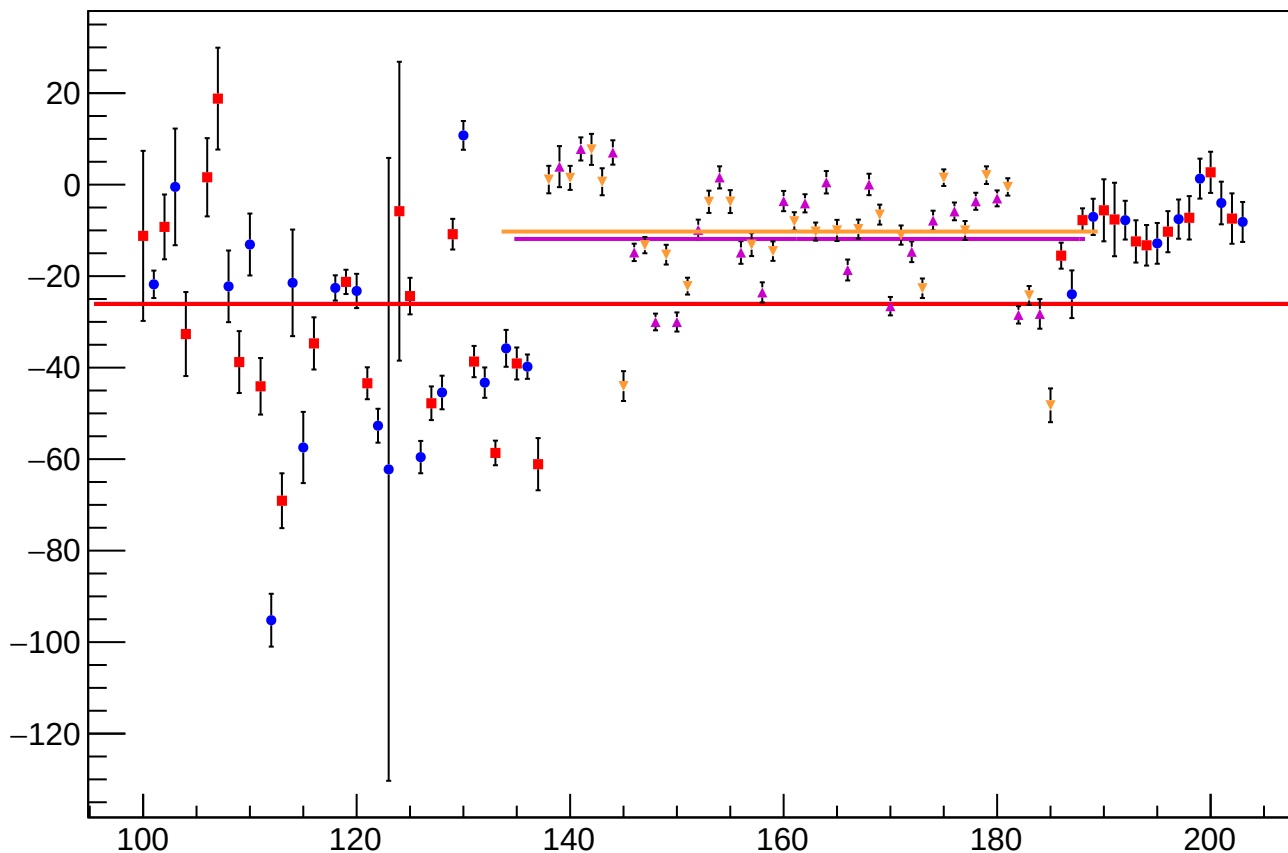
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 43.515 $\pm$ 0.421 χ^2 /NDF: 6413.4/49

All: 42.633 $\pm$ 0.286 χ^2 /NDF: 13848.2/101

- sign 41.876 $\pm$ 0.390 χ^2 /NDF: 7426.6/51

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -26.054 ± 0.832 χ^2/NDF : 685.6/24

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -26.092 ± 0.807 χ^2/NDF : 571.1/28

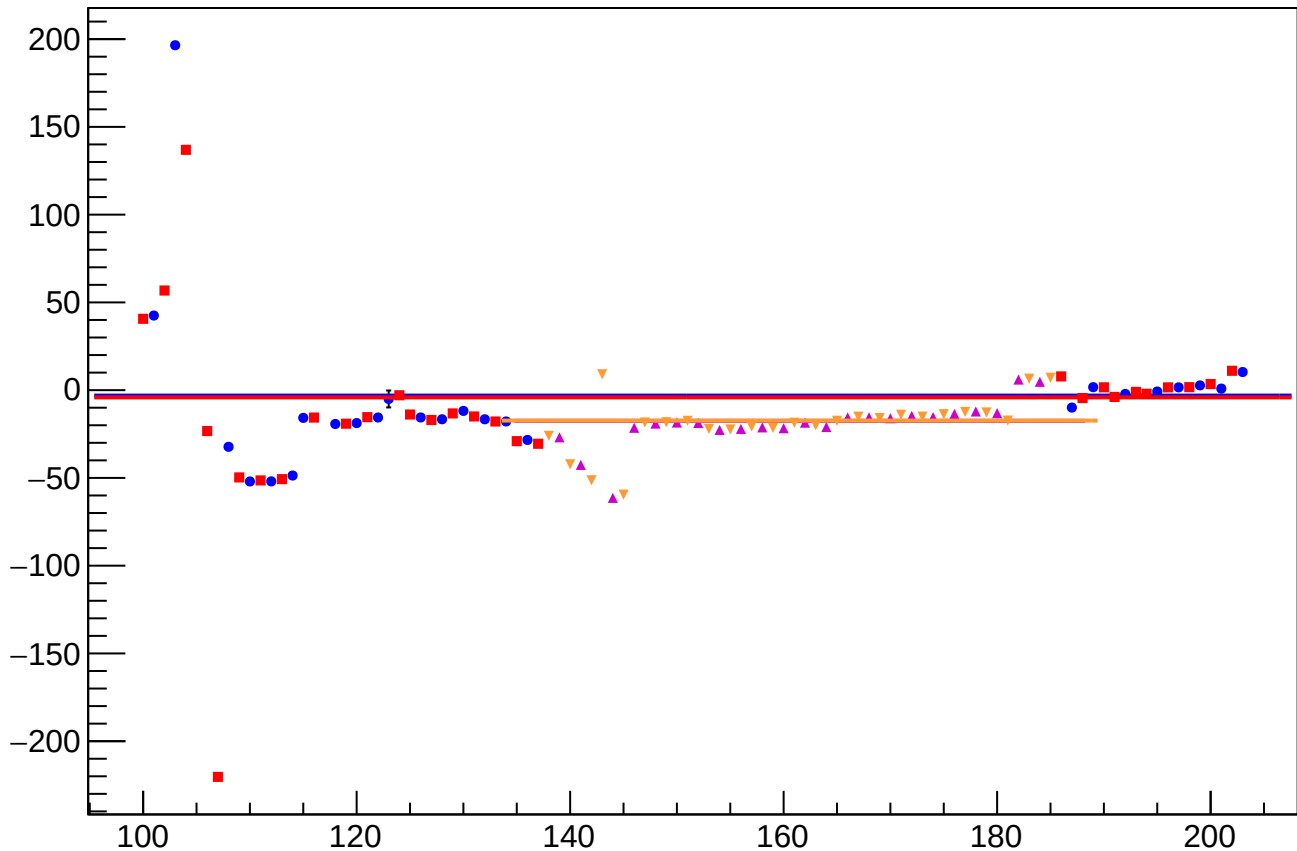
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.763 ± 0.392 χ^2/NDF : 1518.7/49

All: -14.529 ± 0.279 χ^2/NDF : 2998.7/101

- sign -15.316 ± 0.397 χ^2/NDF : 1472.3/51

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -3.087 ± 0.039 $\chi^2/\text{NDF}: 597061.6/24$

Left Out: -17.333 ± 0.020 $\chi^2/\text{NDF}: 325197.2/24$

Right Out: -4.129 ± 0.038 $\chi^2/\text{NDF}: 600178.3/28$

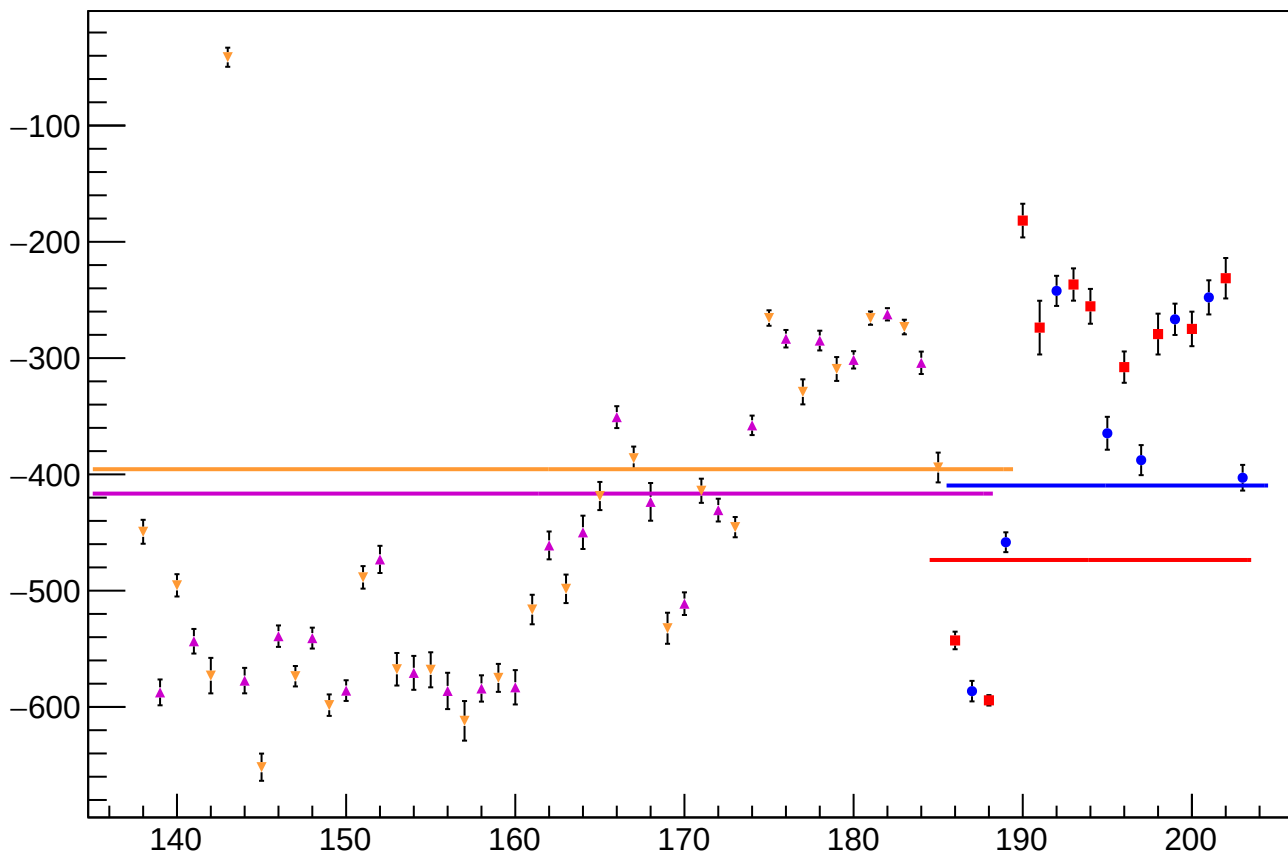
Left In: -17.491 ± 0.021 $\chi^2/\text{NDF}: 259215.8/22$

+ sign -14.319 ± 0.018 $\chi^2/\text{NDF}: 1025431.6/49$

All: -14.372 ± 0.013 $\chi^2/\text{NDF}: 1980660.0/101$

- sign -14.426 ± 0.018 $\chi^2/\text{NDF}: 955211.0/51$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -409.574 ± 4.019 χ^2/NDF : 849.3/7

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -473.604 ± 3.160 χ^2/NDF : 2439.9/9

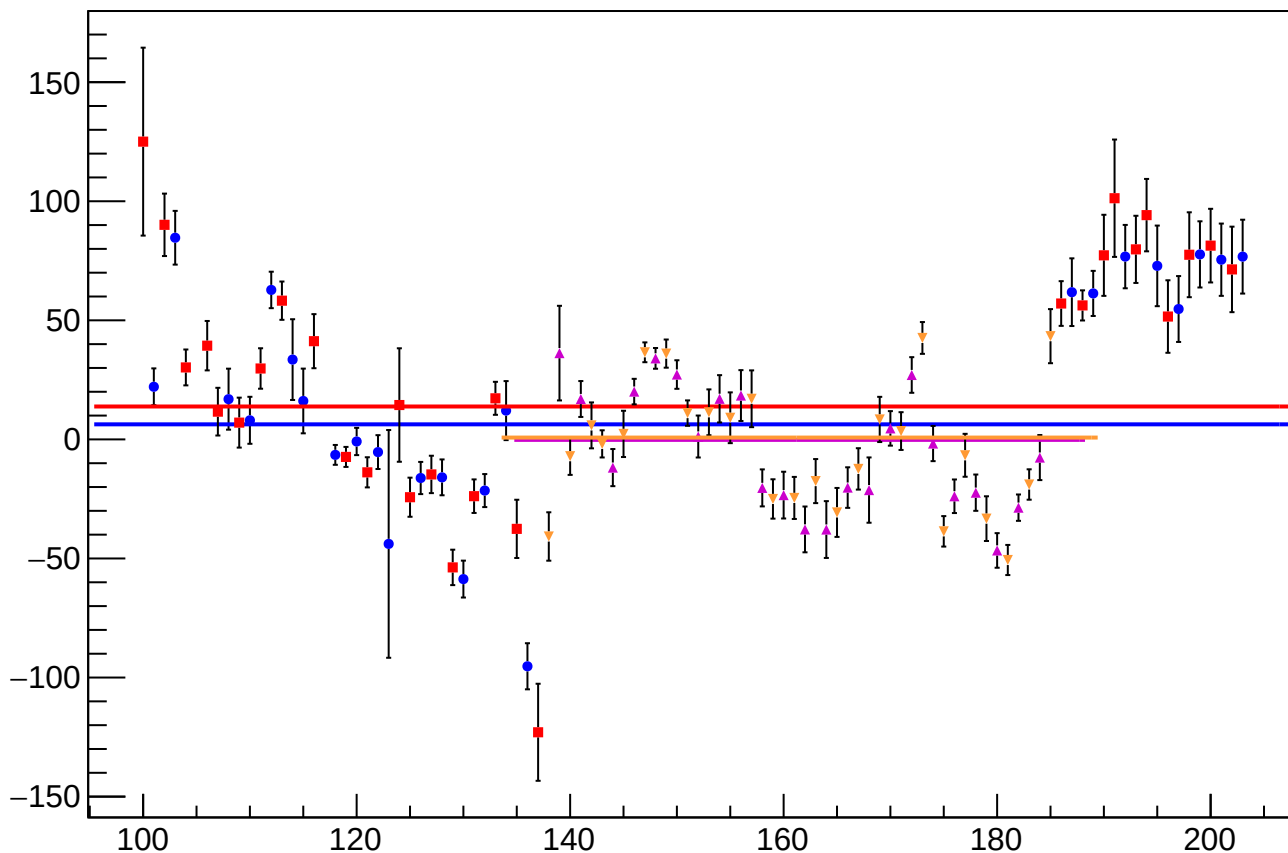
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -398.227 ± 1.757 χ^2/NDF : 6805.7/32

All: -416.208 ± 1.219 χ^2/NDF : 13597.2/65

- sign -432.901 ± 1.693 χ^2/NDF : 6589.5/32

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 6.324 ± 1.786 $\chi^2/\text{NDF}: 514.5/24$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 13.816 ± 1.721 $\chi^2/\text{NDF}: 537.1/28$

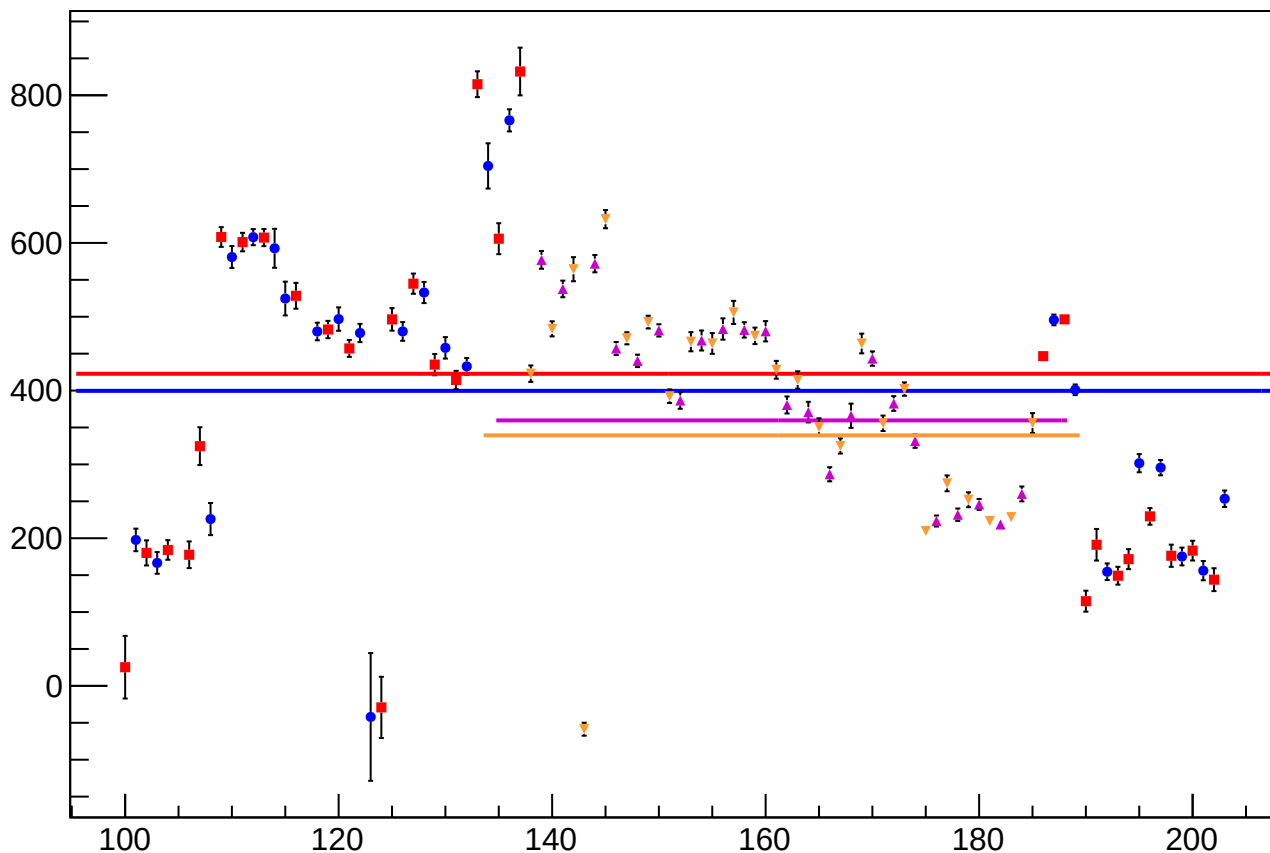
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 3.070 ± 1.150 $\chi^2/\text{NDF}: 870.2/49$

All: 4.613 ± 0.817 $\chi^2/\text{NDF}: 1707.9/101$

- sign 6.188 ± 1.162 $\chi^2/\text{NDF}: 834.0/51$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 399.626 ± 2.524 $\chi^2/\text{NDF}: 3763.7/24$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 422.766 ± 2.106 $\chi^2/\text{NDF}: 5576.6/28$

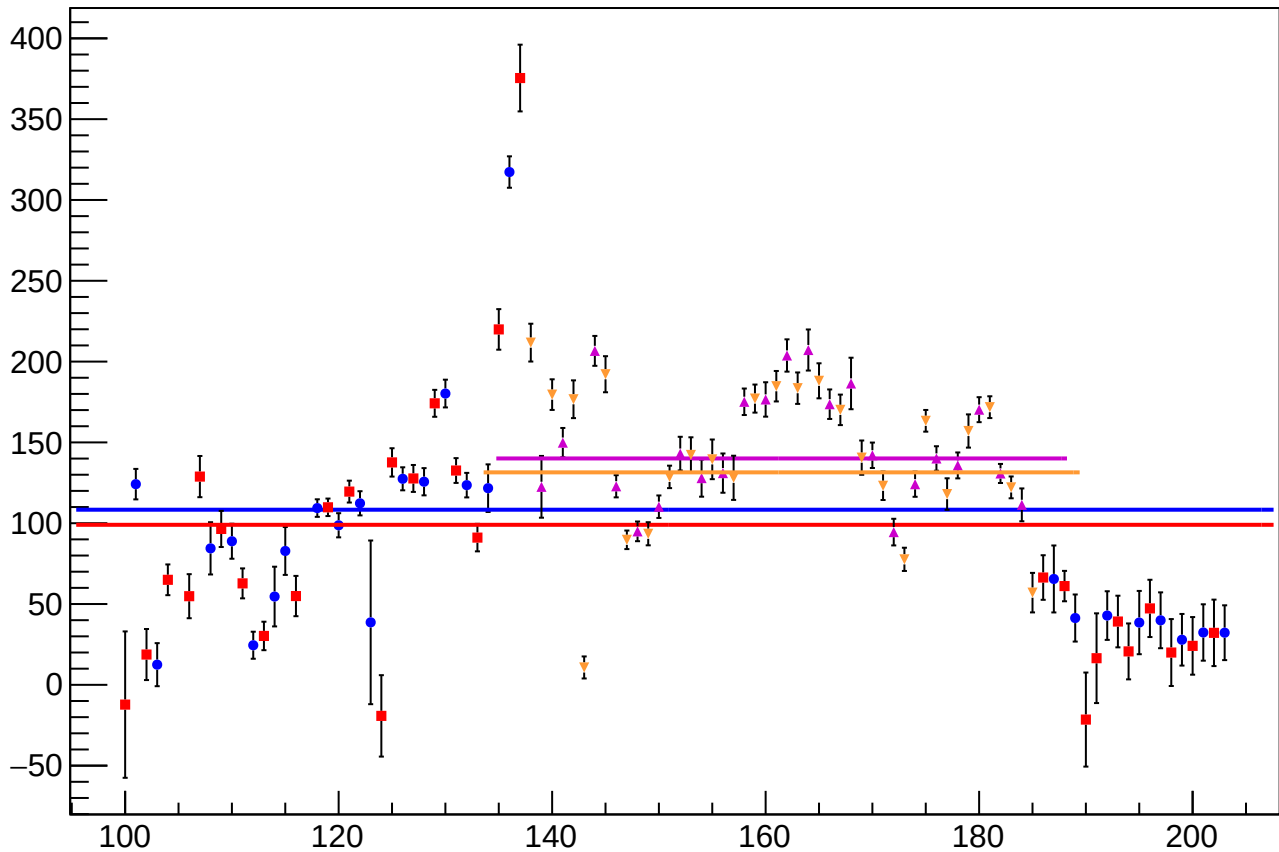
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 362.071 ± 1.549 $\chi^2/\text{NDF}: 9621.7/49$

All: 376.733 ± 1.059 $\chi^2/\text{NDF}: 19237.2/101$

- sign 389.599 ± 1.451 $\chi^2/\text{NDF}: 9447.3/51$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 108.354 ± 2.089 $\chi^2/\text{NDF}: 861.2/24$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 99.014 ± 2.032 $\chi^2/\text{NDF}: 723.1/28$

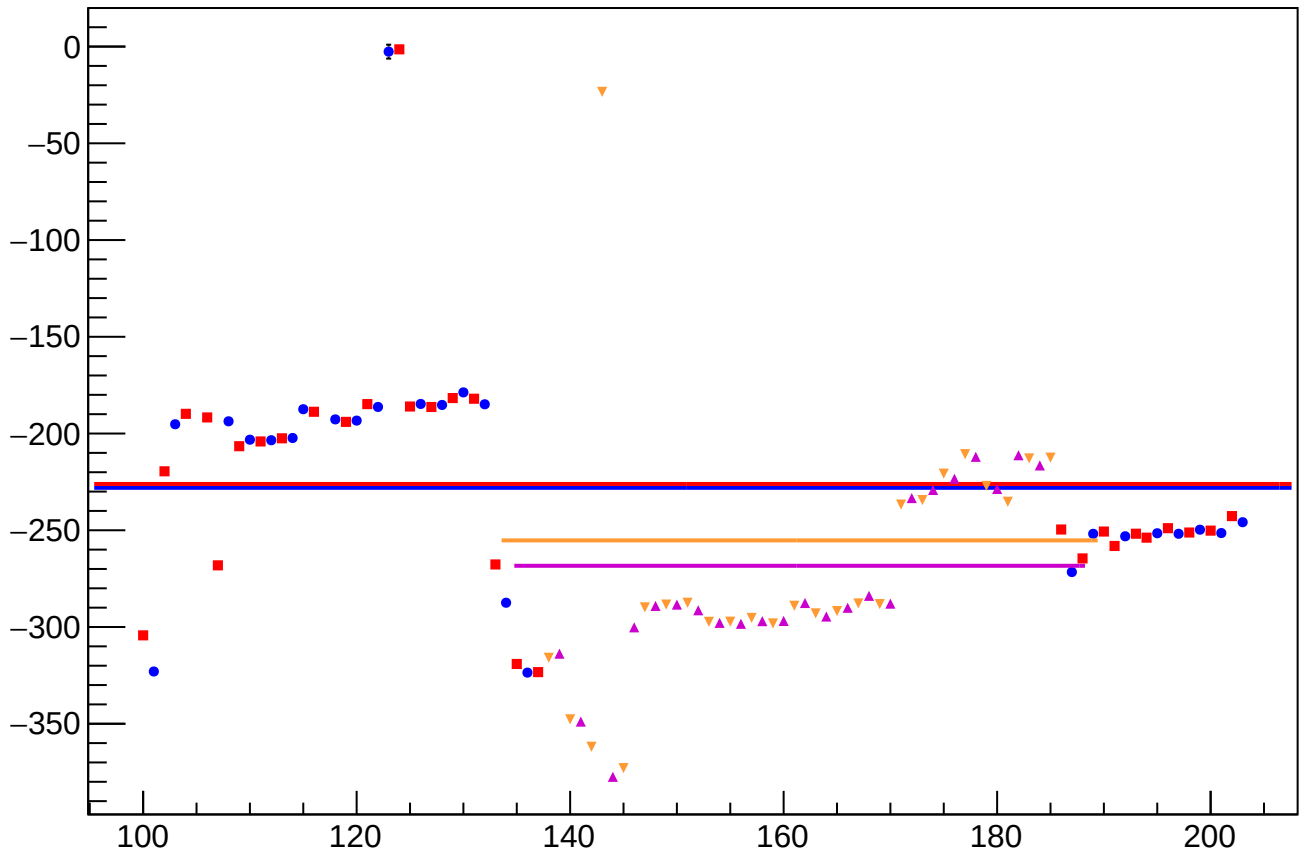
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 122.079 ± 1.331 $\chi^2/\text{NDF}: 1743.2/49$

All: 122.076 ± 0.946 $\chi^2/\text{NDF}: 3012.1/101$

- sign 122.072 ± 1.345 $\chi^2/\text{NDF}: 1268.9/51$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -228.049 ± 0.113 $\chi^2/\text{NDF}: 166745.2/24$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -226.061 ± 0.107 $\chi^2/\text{NDF}: 147906.1/28$

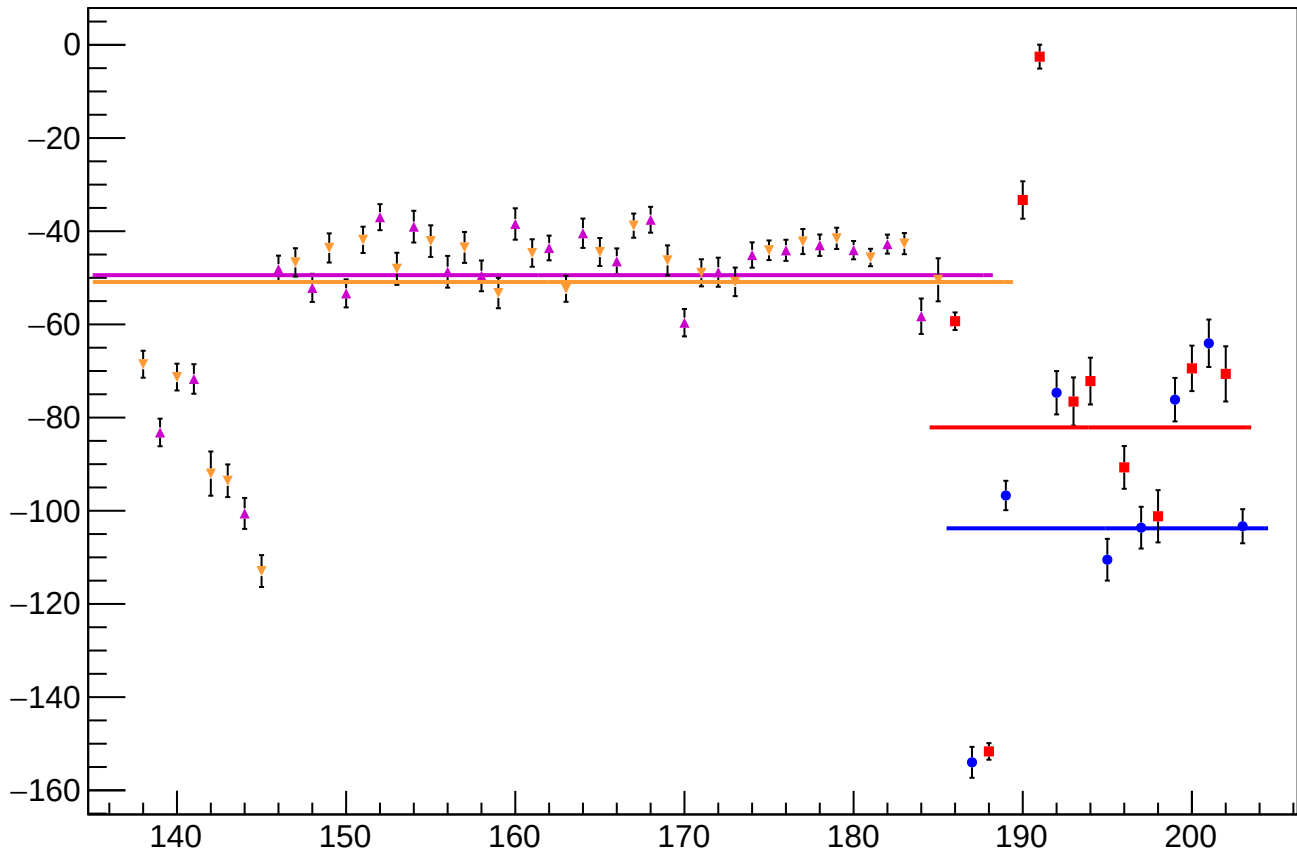
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.873 ± 0.066 $\chi^2/\text{NDF}: 932632.6/49$

All: -249.081 ± 0.047 $\chi^2/\text{NDF}: 1445141.7/10$

- sign -252.233 ± 0.066 $\chi^2/\text{NDF}: 507877.2/51$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -103.768 ± 1.419 χ^2/NDF : 371.5/7

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -82.105 ± 0.982 χ^2/NDF : 2810.4/9

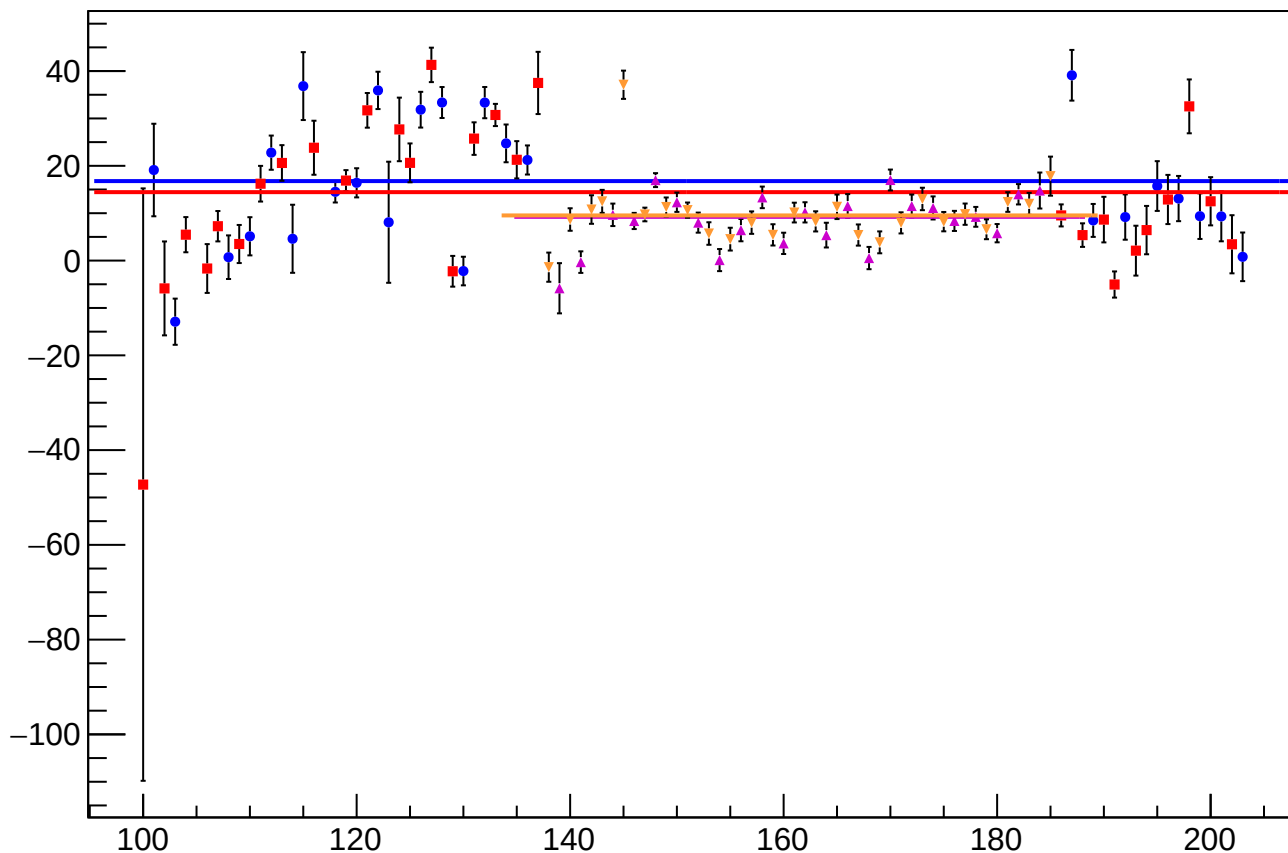
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -58.306 ± 0.531 χ^2/NDF : 2326.7/32

All: -58.126 ± 0.365 χ^2/NDF : 6498.5/65

- sign -57.965 ± 0.502 χ^2/NDF : 4171.6/32

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 16.777 ± 0.805 χ^2/NDF : 249.2/24

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 14.444 ± 0.695 χ^2/NDF : 314.7/28

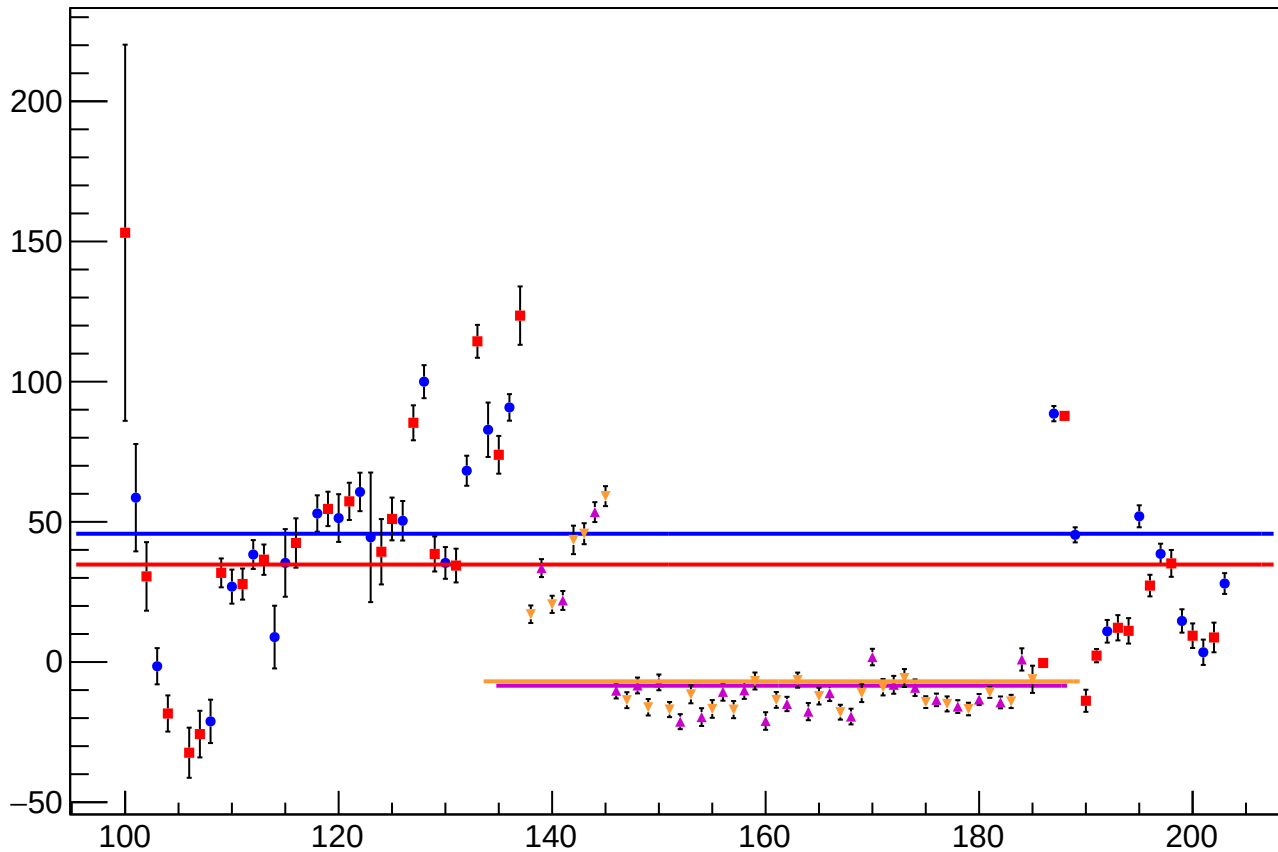
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.232 ± 0.390 χ^2/NDF : 445.6/49

All: 11.027 ± 0.274 χ^2/NDF : 923.8/101

- sign 10.826 ± 0.385 χ^2/NDF : 477.7/51

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 45.756 $\pm$ 0.996 χ^2 /NDF: 863.4/24

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 34.774 $\pm$ 0.735 χ^2 /NDF: 2921.9/28

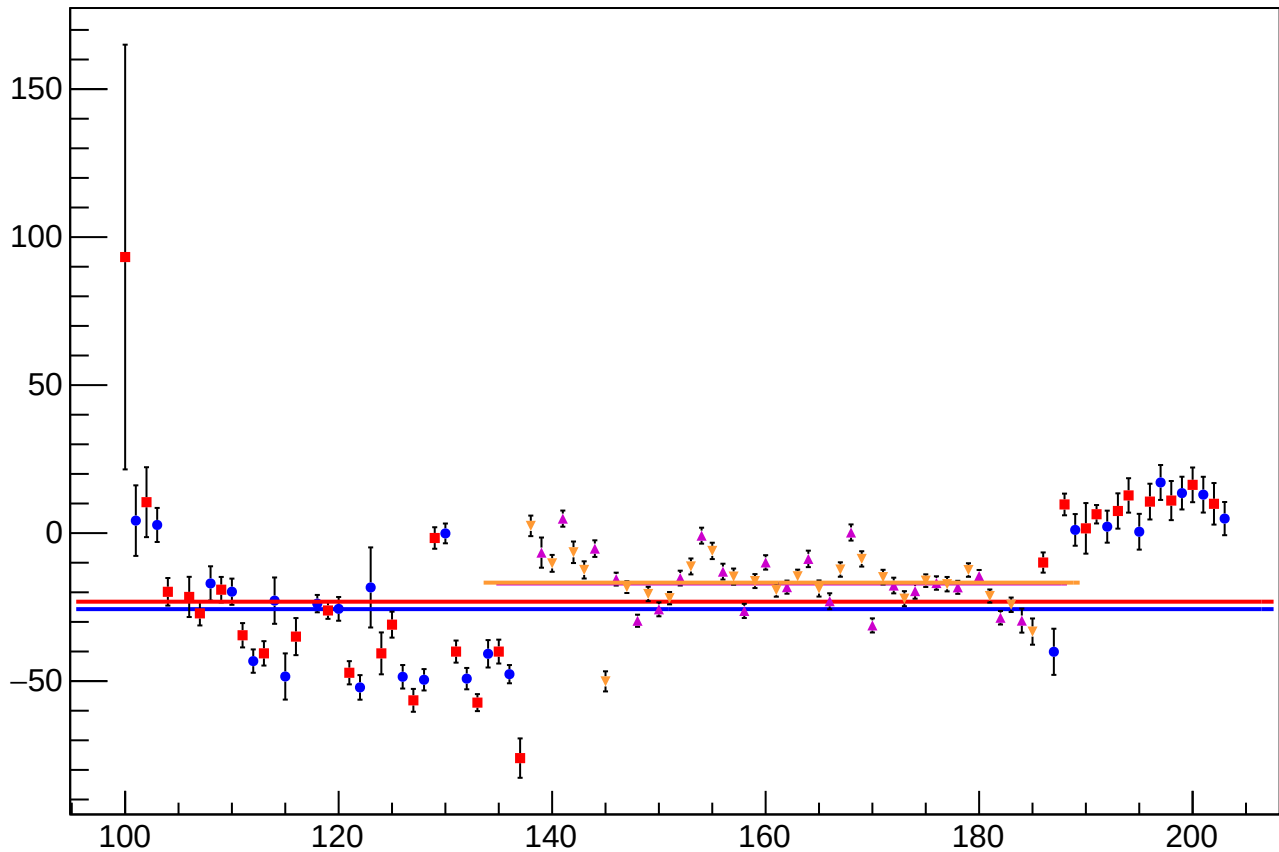
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign 6.130 $\pm$ 0.495 χ^2 /NDF: 3879.7/49

All: 7.208 $\pm$ 0.335 χ^2 /NDF: 9629.7/101

- sign 8.118 $\pm$ 0.455 χ^2 /NDF: 5741.3/51

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -25.685 ± 0.933 χ^2/NDF : 590.9/24

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -23.168 ± 0.831 χ^2/NDF : 825.6/28

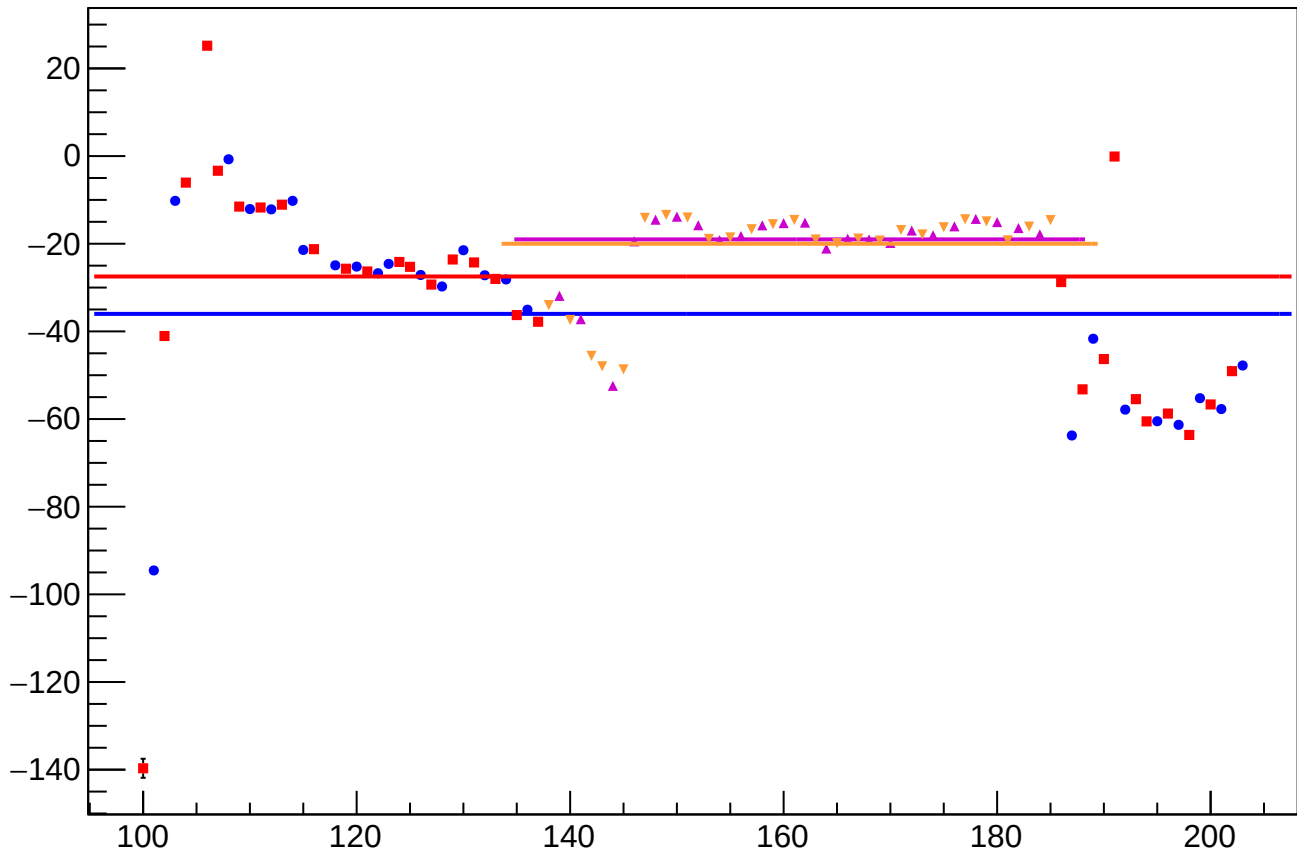
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -18.772 ± 0.445 χ^2/NDF : 885.3/49

All: -18.767 ± 0.314 χ^2/NDF : 2077.7/101

- sign -18.762 ± 0.442 χ^2/NDF : 1192.4/51

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.006 ± 0.045 $\chi^2/\text{NDF}: 199956.3/24$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -27.473 ± 0.038 $\chi^2/\text{NDF}: 399622.9/28$

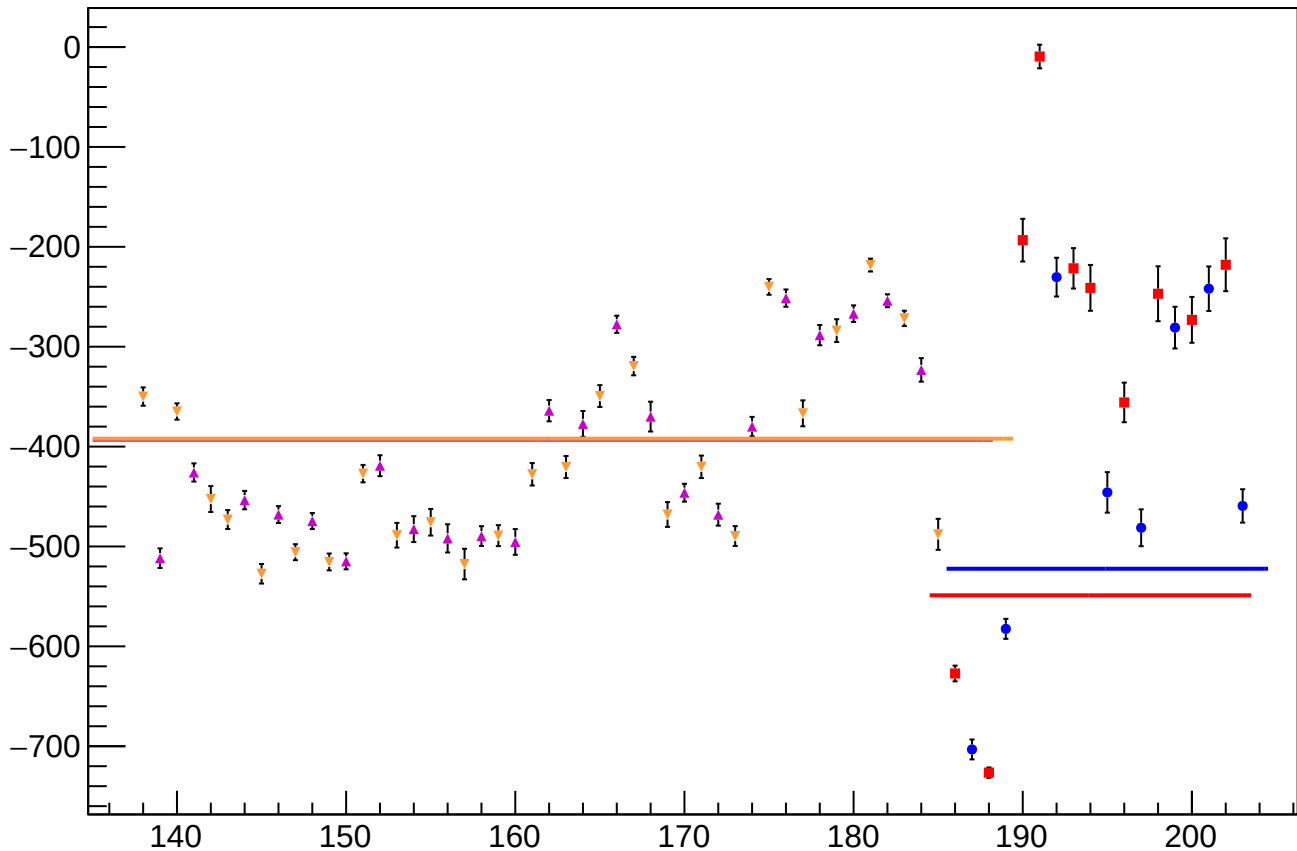
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -23.419 ± 0.021 $\chi^2/\text{NDF}: 446192.3/49$

All: -22.358 ± 0.014 $\chi^2/\text{NDF}: 977222.6/101$

- sign -21.350 ± 0.020 $\chi^2/\text{NDF}: 525889.3/51$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -522.293 $\pm$ 5.272 χ^2 /NDF: 917.1/7

Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF:2717.2/24

Right Out: -548.902 $\pm$ 3.668 χ^2 /NDF: 4579.0/9

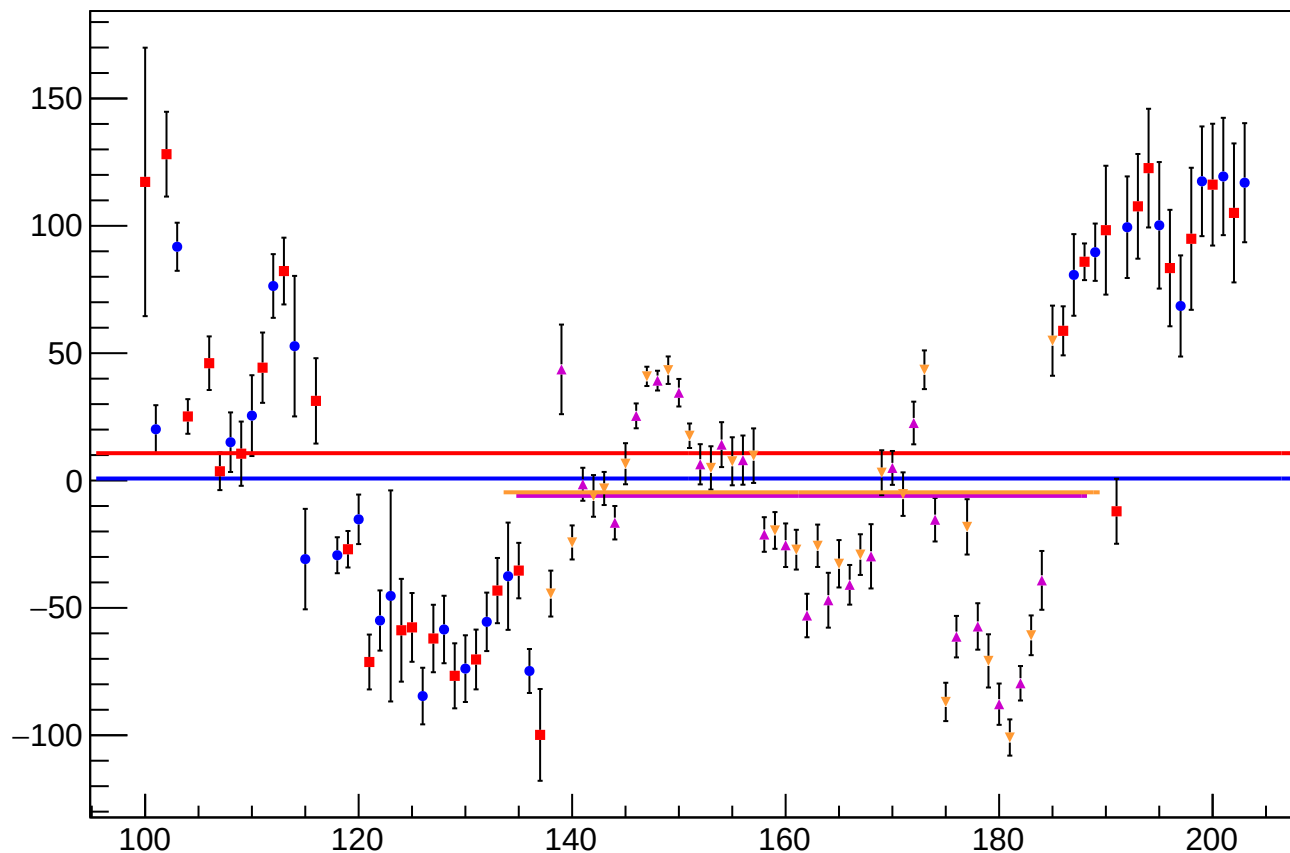
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF:2253.3/22

+ sign -407.960 $\pm$ 1.843 χ^2 /NDF: 4169.9/32

All: -418.943 $\pm$ 1.273 χ^2 /NDF: 12458.6/65

- sign -428.960 $\pm$ 1.760 χ^2 /NDF: 8220.8/32

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 0.796 ± 2.586 χ^2/NDF : 623.5/24

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 10.739 ± 2.265 χ^2/NDF : 673.8/28

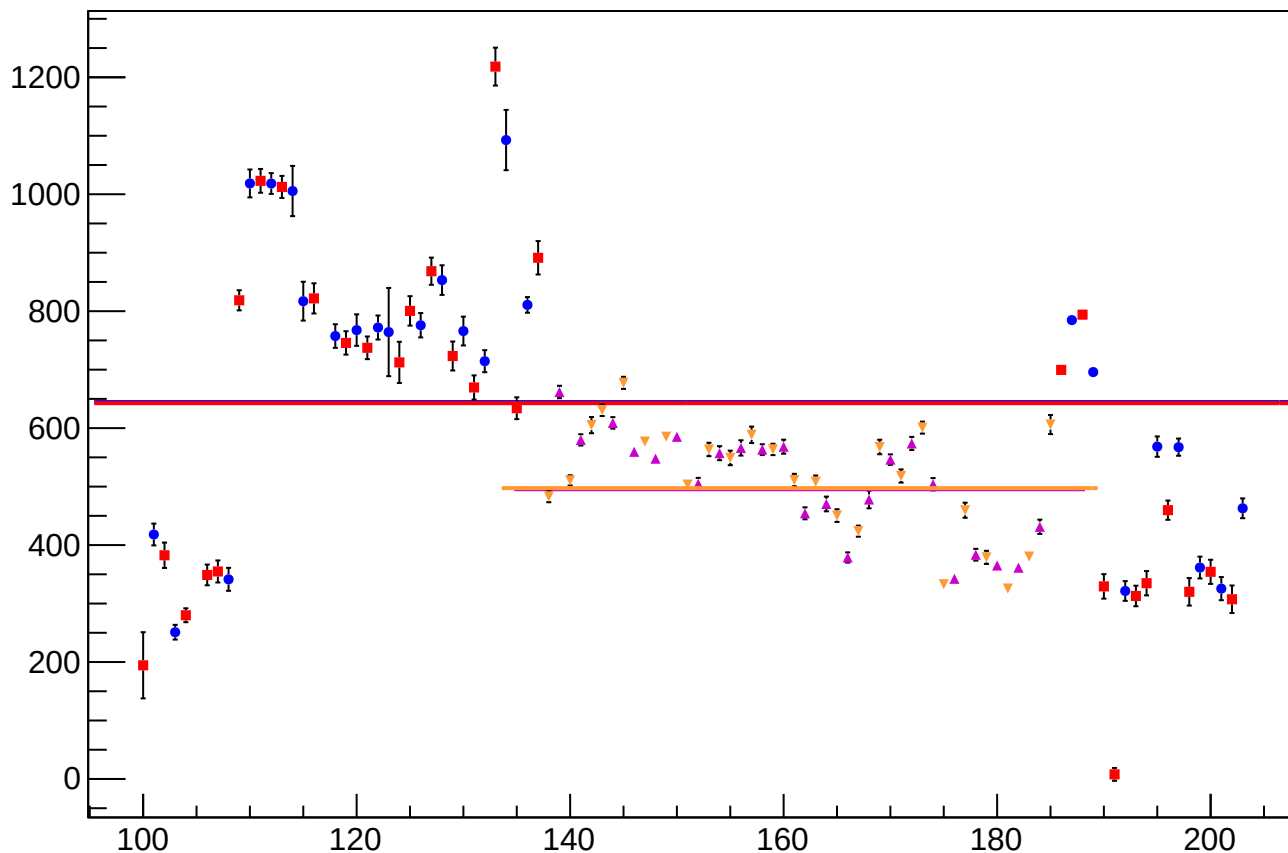
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -3.311 ± 1.273 χ^2/NDF : 1399.7/49

All: -2.059 ± 0.895 χ^2/NDF : 2767.3/101

- sign -0.833 ± 1.260 χ^2/NDF : 1365.7/51

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 644.532 $\pm$ 3.360 χ^2 /NDF: 3964.8/24

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 642.658 $\pm$ 2.556 χ^2 /NDF: 9374.4/28

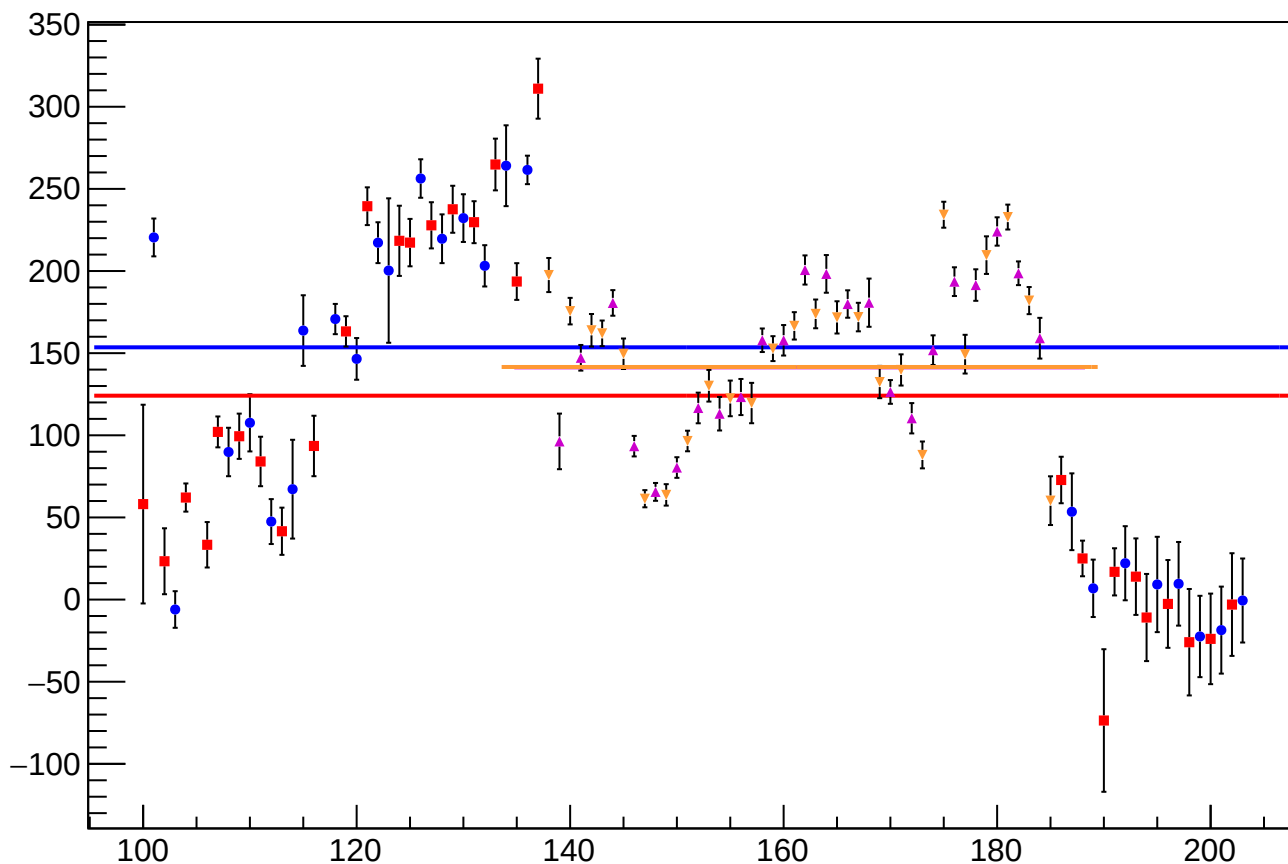
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 534.914 $\pm$ 1.697 χ^2 /NDF: 8008.5/49

All: 543.622 $\pm$ 1.153 χ^2 /NDF: 21749.2/101

- sign 551.089 $\pm$ 1.571 χ^2 /NDF: 13691.8/51

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 153.557 $\pm$ 3.024 χ^2 /NDF: 989.8/24

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 124.117 $\pm$ 2.726 χ^2 /NDF: 1073.0/28

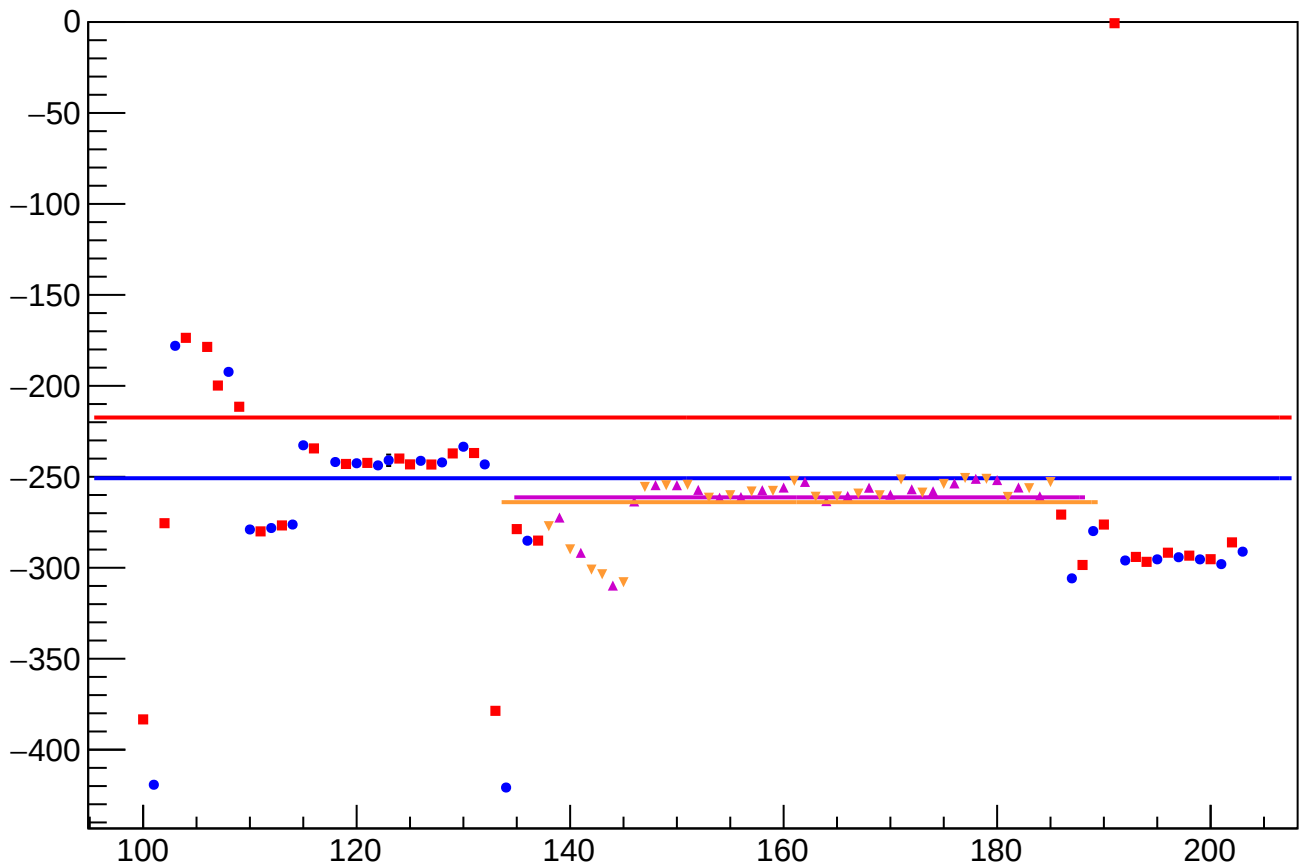
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 144.458 $\pm$ 1.481 χ^2 /NDF: 1961.3/49

All: 140.370 $\pm$ 1.044 χ^2 /NDF: 3819.0/101

- sign 136.335 $\pm$ 1.471 χ^2 /NDF: 1842.6/51

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -250.776 ± 0.141 $\chi^2/\text{NDF}: 194733.1/24$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -217.405 ± 0.125 $\chi^2/\text{NDF}: 485462.9/28$

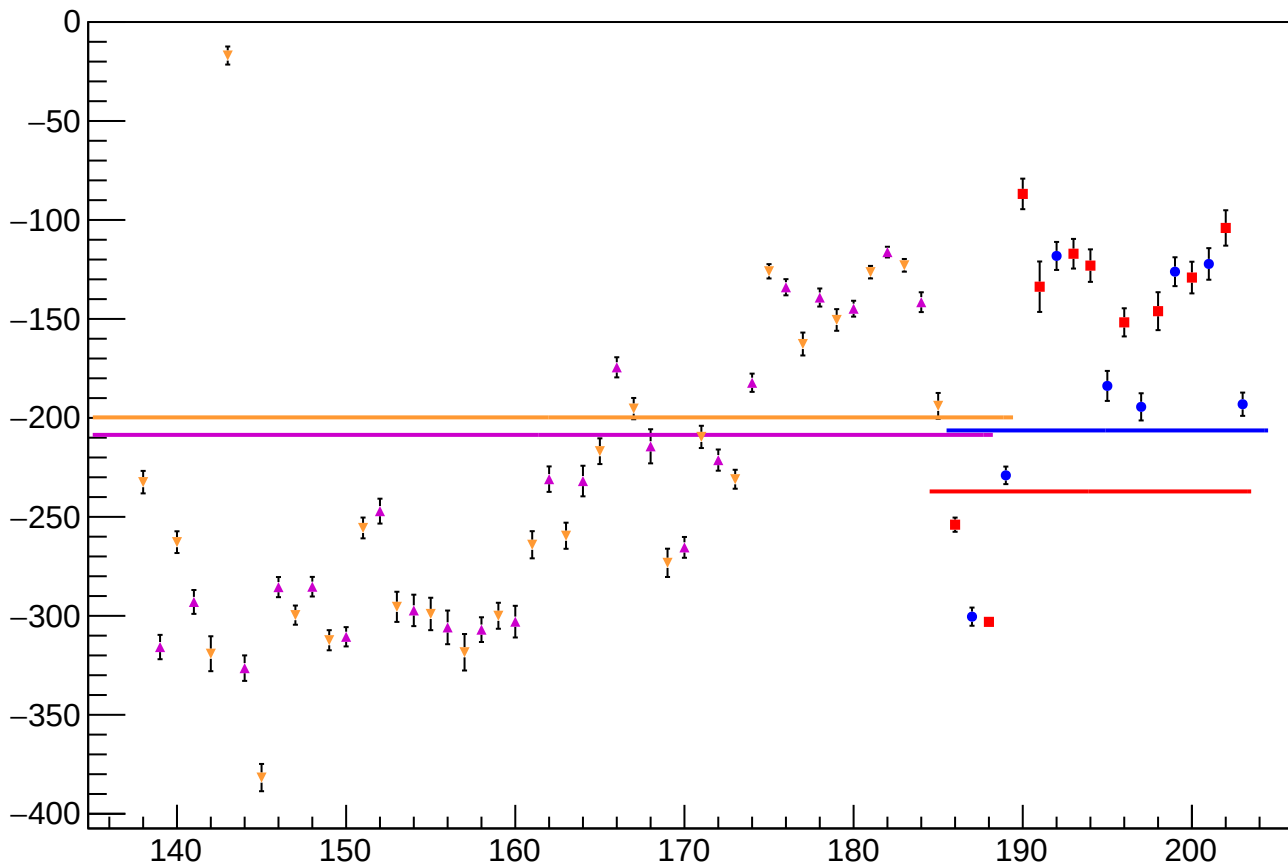
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -260.674 ± 0.070 $\chi^2/\text{NDF}: 240340.4/49$

All: -254.252 ± 0.049 $\chi^2/\text{NDF}: 851083.4/101$

- sign -248.158 ± 0.069 $\chi^2/\text{NDF}: 594545.6/51$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -206.337 ± 2.130 χ^2/NDF : 850.3/7

Left Out: -199.741 ± 1.061 χ^2/NDF : 6361.5/24

Right Out: -237.153 ± 1.644 χ^2/NDF : 2328.8/9

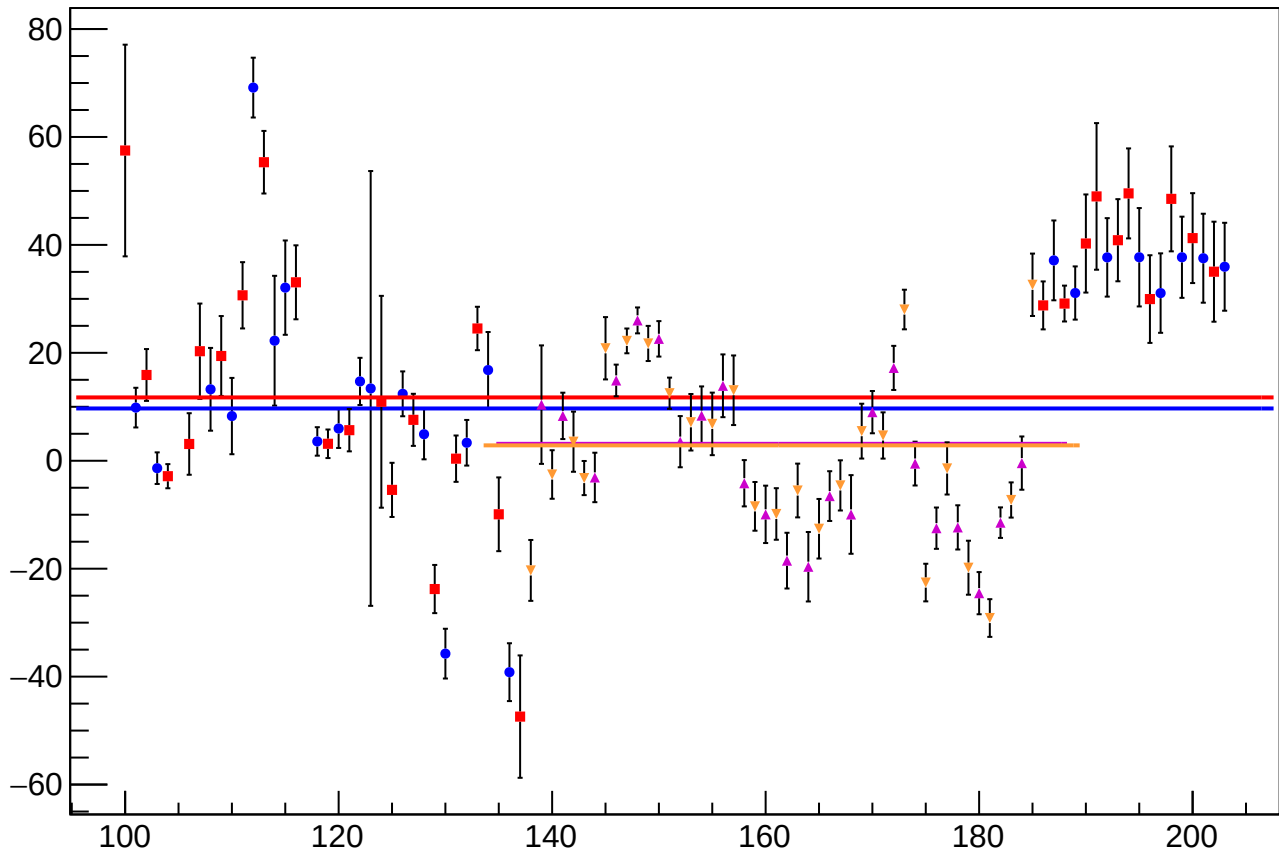
Left In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

+ sign -201.052 ± 0.950 χ^2/NDF : 7219.5/32

All: -209.535 ± 0.655 χ^2/NDF : 14716.2/65

- sign -217.219 ± 0.904 χ^2/NDF : 7344.7/32

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 9.690 ± 1.014 χ^2/NDF : 431.0/24

Left Out: 2.853 ± 0.820 χ^2/NDF : 419.8/24

Right Out: 11.737 ± 0.947 χ^2/NDF : 404.6/28

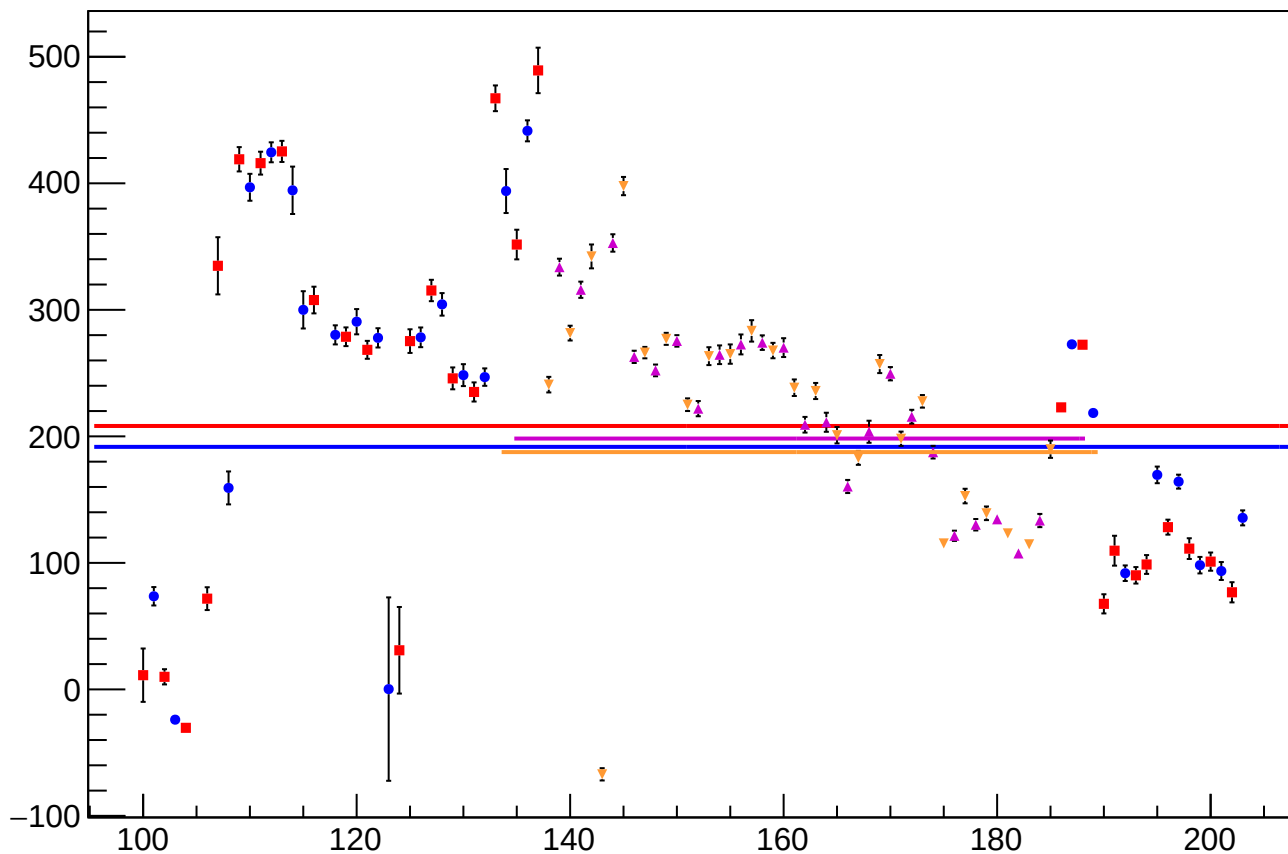
Left In: 3.136 ± 0.857 χ^2/NDF : 319.8/22

+ sign 5.555 ± 0.638 χ^2/NDF : 878.3/49

All: 6.284 ± 0.450 χ^2/NDF : 1650.6/101

- sign 7.007 ± 0.635 χ^2/NDF : 769.8/51

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 191.696 $\pm$ 1.349 χ^2 /NDF: 8035.9/24

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 208.209 $\pm$ 1.111 χ^2 /NDF: 11225.5/28

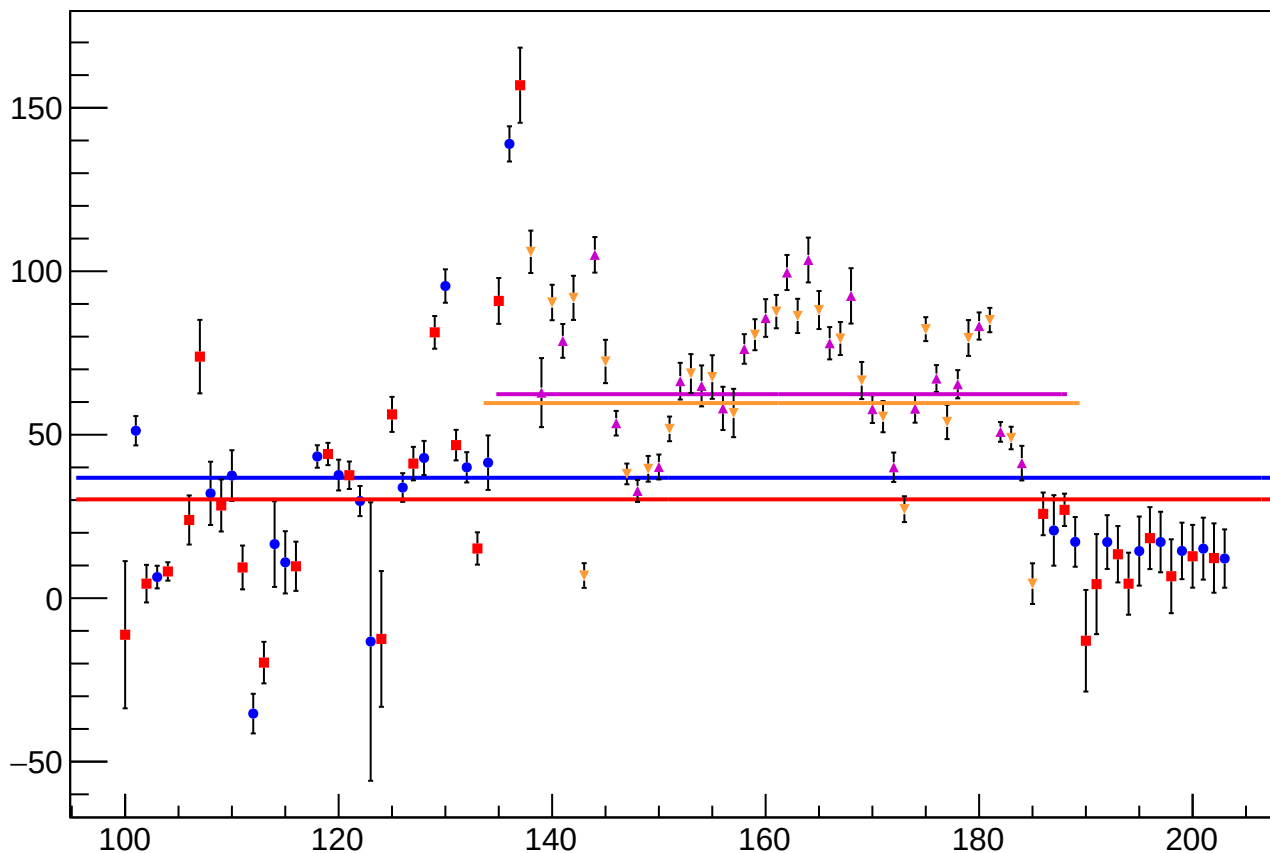
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 189.152 $\pm$ 0.836 χ^2 /NDF: 15123.7/49

All: 196.660 $\pm$ 0.568 χ^2 /NDF: 31055.8/101

- sign 203.105 $\pm$ 0.775 χ^2 /NDF: 15782.4/51

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 36.827 ± 1.192 $\chi^2/\text{NDF}: 784.0/24$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 30.228 ± 1.137 $\chi^2/\text{NDF}: 589.1/28$

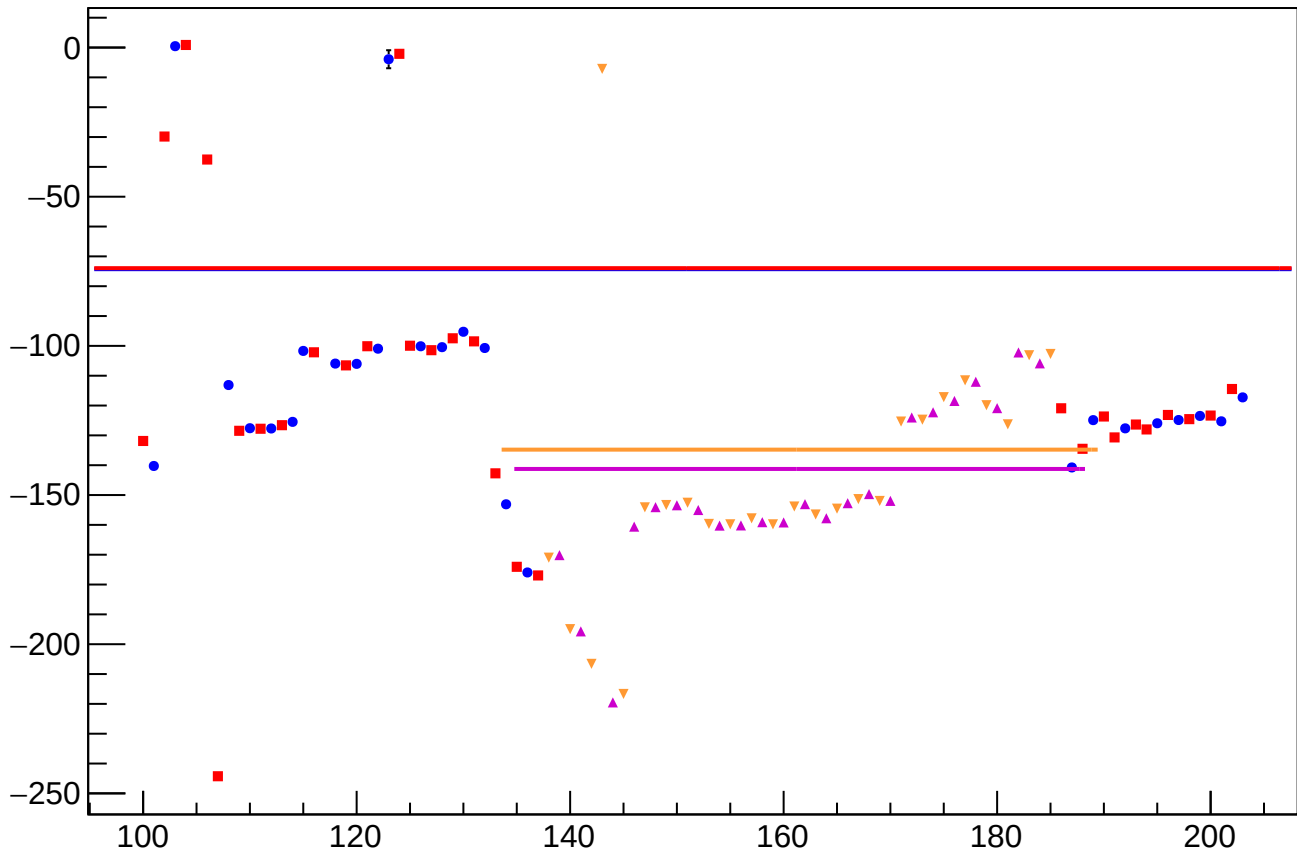
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 50.914 ± 0.739 $\chi^2/\text{NDF}: 1768.1/49$

All: 49.849 ± 0.523 $\chi^2/\text{NDF}: 3229.3/101$

- sign 48.781 ± 0.740 $\chi^2/\text{NDF}: 1457.0/51$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -74.291+/-0.054 χ^2/NDF : 1392341.7/24

Left Out: -134.780+/-0.045 χ^2/NDF : 804747.3/24

Right Out: -73.951+/-0.051 χ^2/NDF : 1376925.6/28

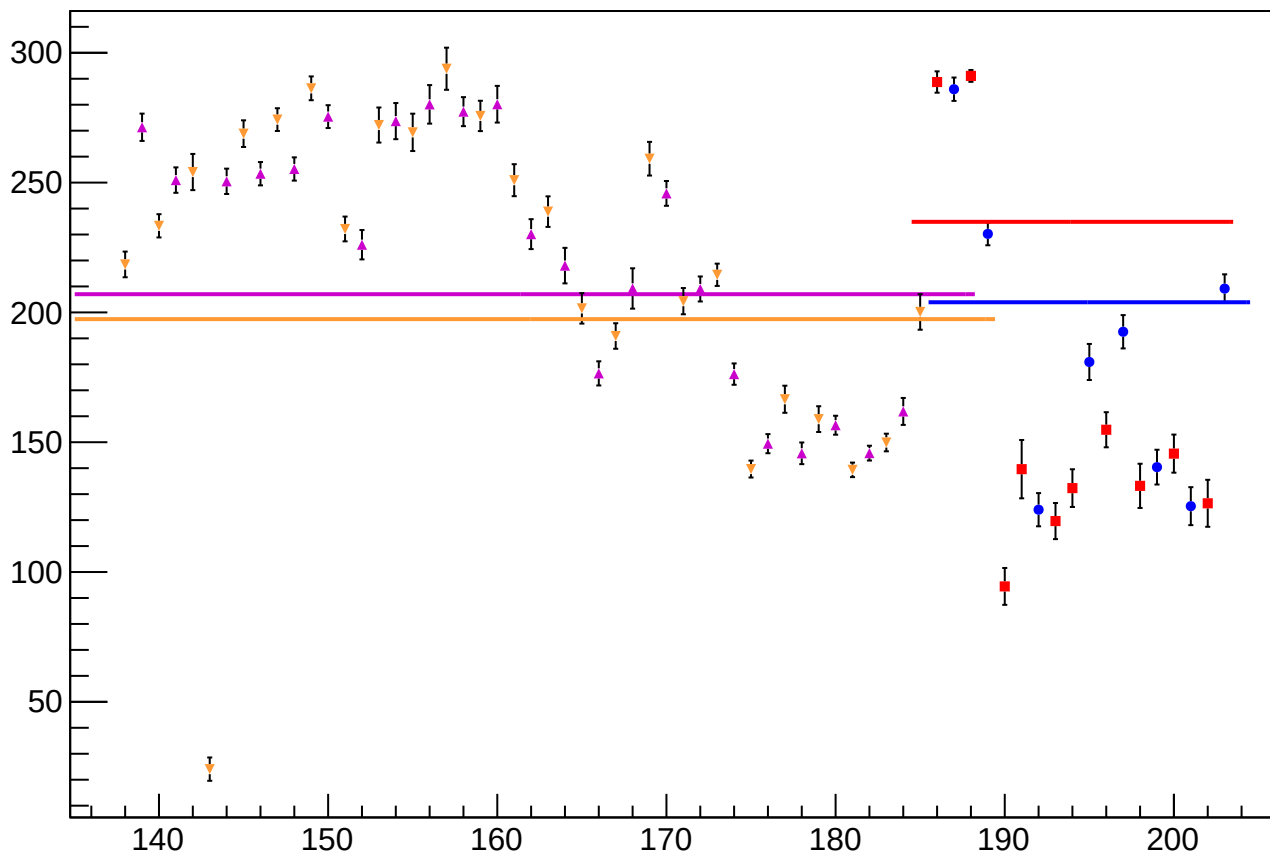
Left In: -141.255+/-0.045 χ^2/NDF : 347229.8/22

+ sign -110.142+/-0.034 χ^2/NDF : 2949585.4/49

All: -111.018+/-0.024 χ^2/NDF : 5638852.3/10

- sign -111.881+/-0.034 χ^2/NDF : 2687969.3/51

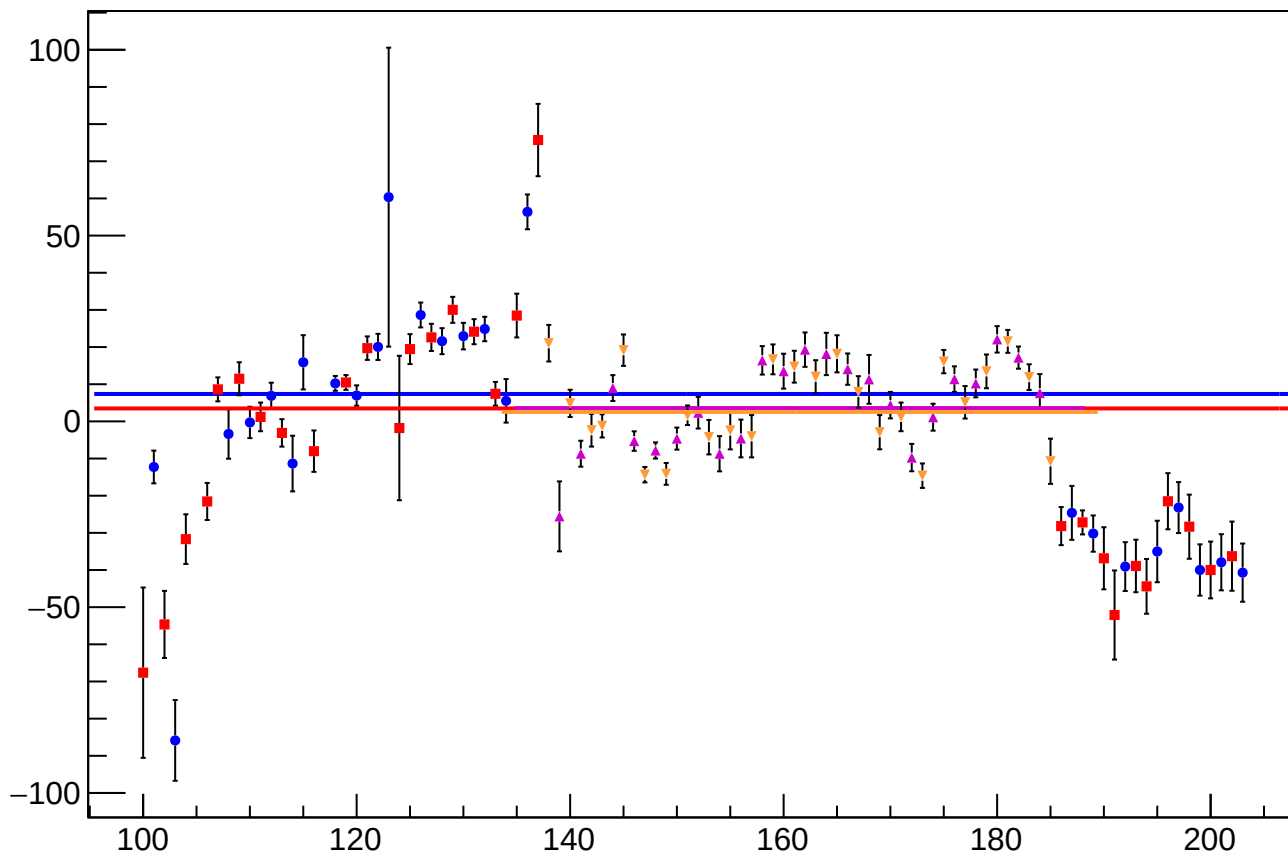
reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 203.912 ± 2.022 $\chi^2/\text{NDF}: 745.1/7$
 Left Out: 197.408 ± 0.963 $\chi^2/\text{NDF}: 4384.2/24$
 Right Out: 234.889 ± 1.610 $\chi^2/\text{NDF}: 2291.8/9$
 Left In: 207.014 ± 0.990 $\chi^2/\text{NDF}: 2611.5/22$

+ sign 198.610 ± 0.869 $\chi^2/\text{NDF}: 5137.7/32$
 All: 206.878 ± 0.605 $\chi^2/\text{NDF}: 10434.1/65$
 - sign 214.662 ± 0.844 $\chi^2/\text{NDF}: 5120.8/32$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 7.376 ± 0.873 χ^2/NDF : 633.2/24

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 3.477 ± 0.831 χ^2/NDF : 695.4/28

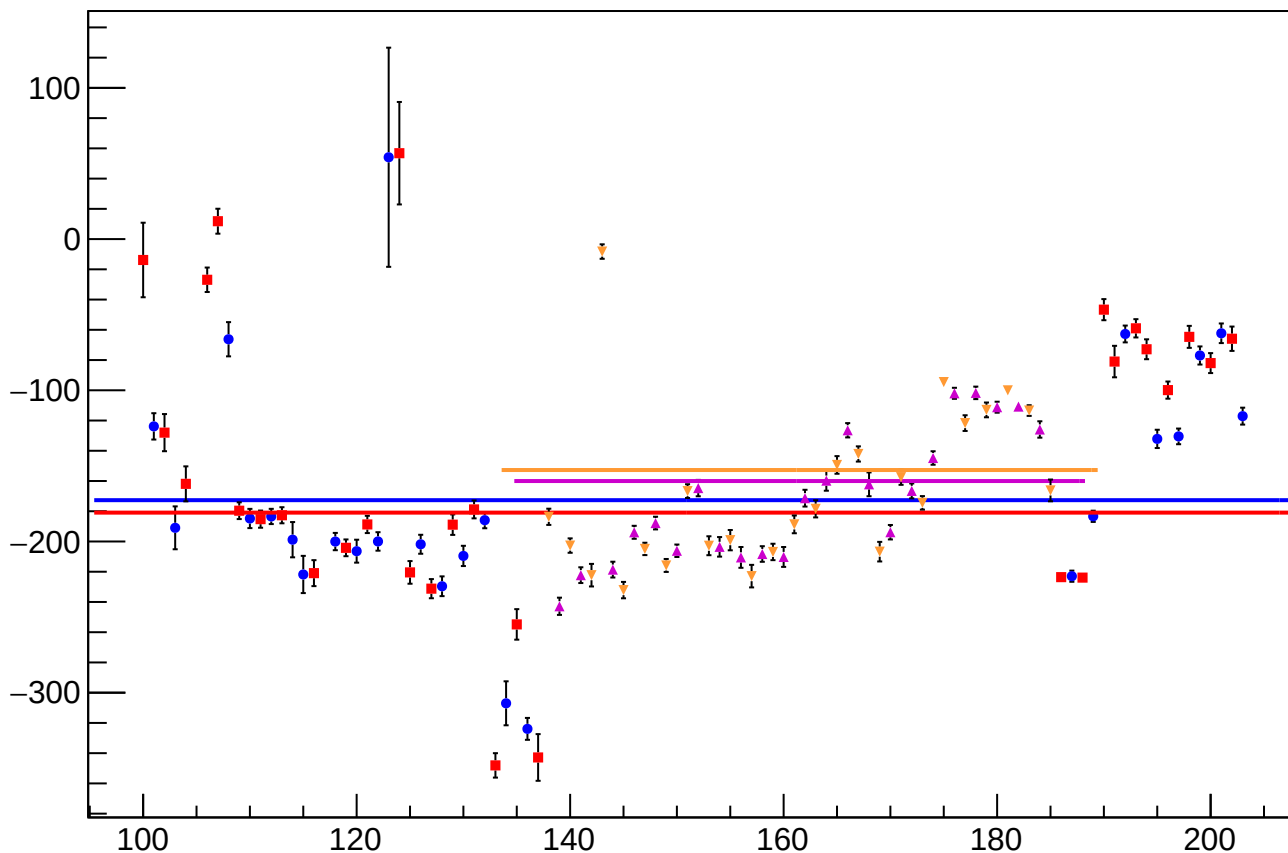
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 4.568 ± 0.565 χ^2/NDF : 926.4/49

All: 4.046 ± 0.400 χ^2/NDF : 1815.5/101

- sign 3.521 ± 0.566 χ^2/NDF : 887.4/51

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -172.676 ± 1.255 χ^2/NDF : 2216.3/24

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -180.908 ± 1.053 χ^2/NDF : 4494.3/28

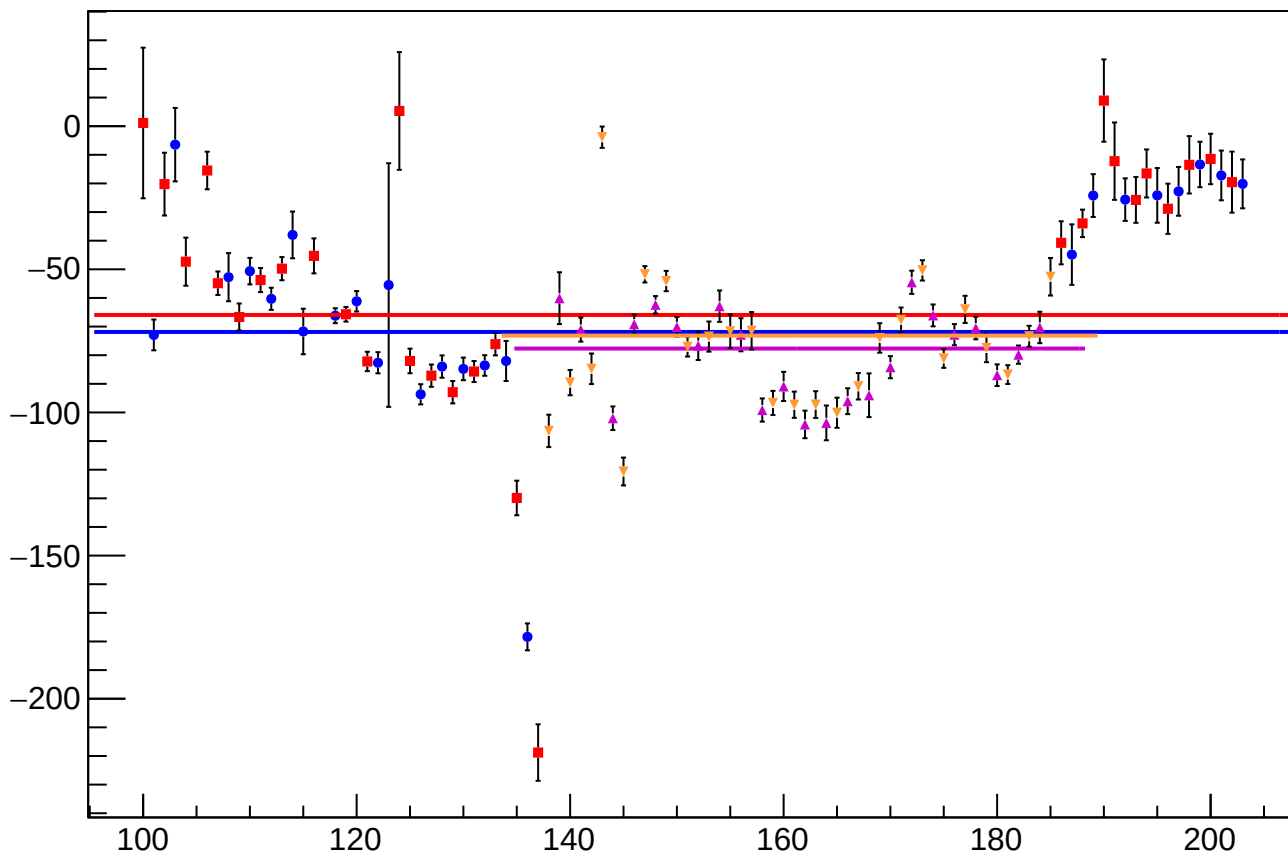
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -160.164 ± 0.766 χ^2/NDF : 5452.4/49

All: -165.281 ± 0.525 χ^2/NDF : 12264.5/101

- sign -169.811 ± 0.721 χ^2/NDF : 6727.9/51

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -71.883 ± 1.019 χ^2/NDF : 959.9/24

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -65.942 ± 0.978 χ^2/NDF : 905.5/28

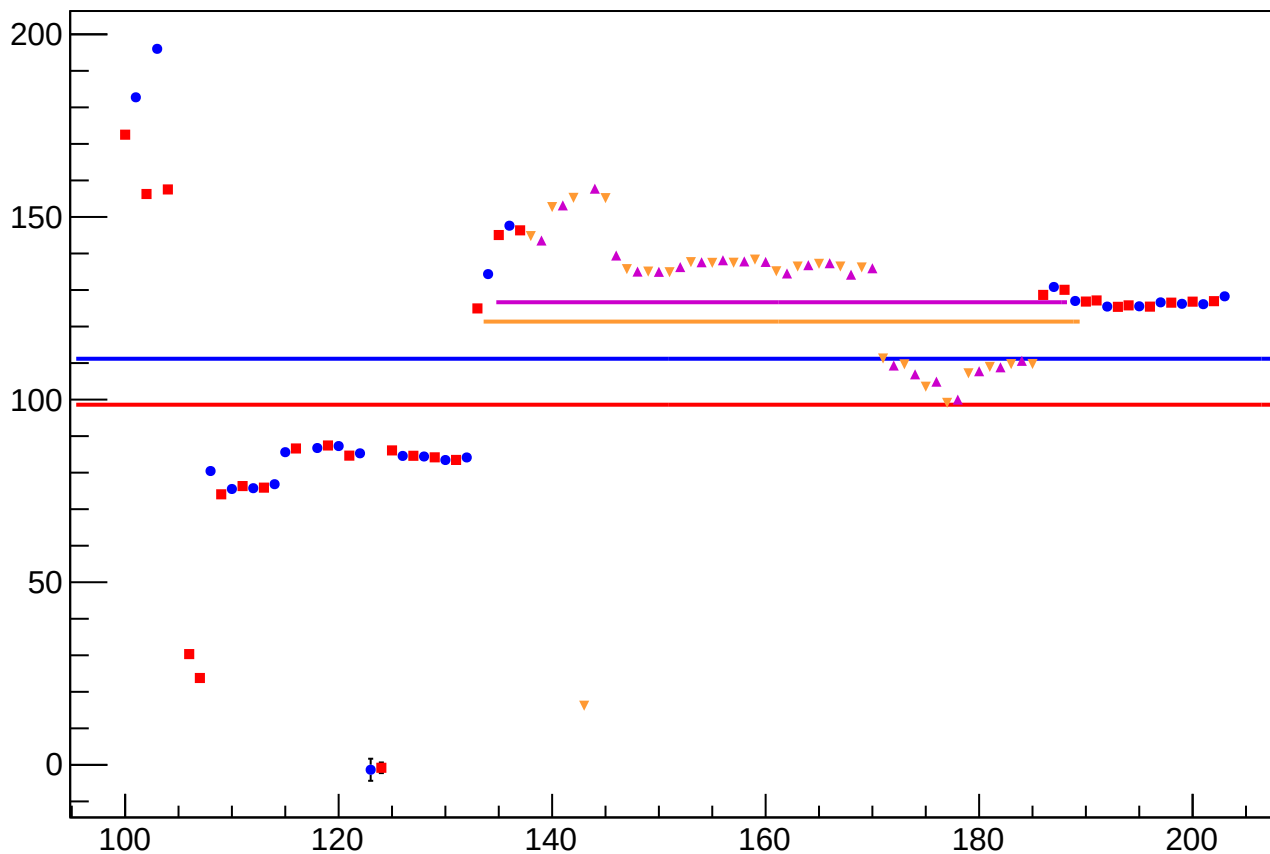
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -72.638 ± 0.653 χ^2/NDF : 1749.4/49

All: -72.522 ± 0.463 χ^2/NDF : 2982.6/101

- sign -72.406 ± 0.655 χ^2/NDF : 1233.2/51

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 111.183 $\pm$ 0.058 χ^2 /NDF: 307513.9/24

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 98.601 $\pm$ 0.052 χ^2 /NDF: 561896.5/28

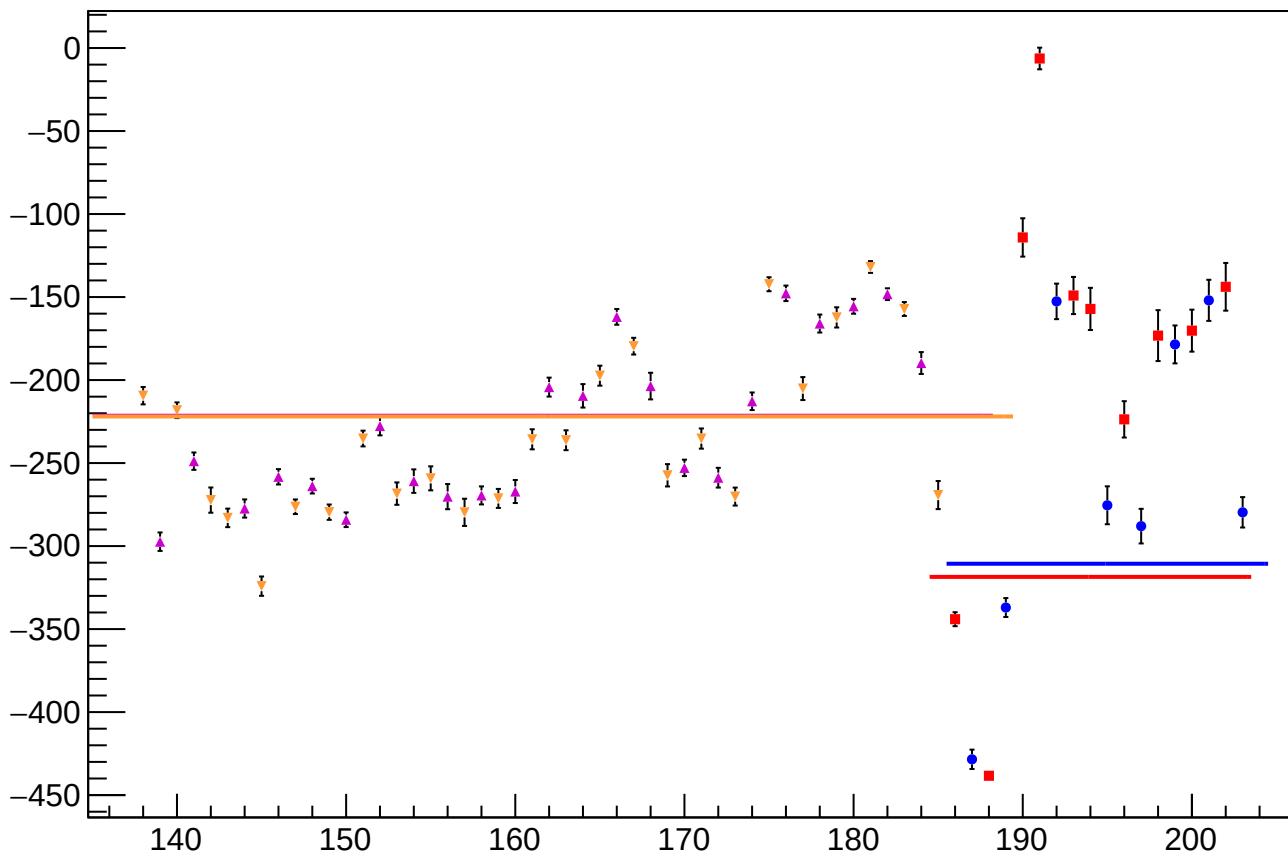
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.037 $\pm$ 0.033 χ^2 /NDF: 810273.6/49

All: 116.993 $\pm$ 0.023 χ^2 /NDF: 1714371.1/103

- sign 115.995 $\pm$ 0.032 χ^2 /NDF: 902148.6/51

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -310.637 ± 2.988 χ^2/NDF : 971.3/7

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -318.555 ± 2.068 χ^2/NDF : 5043.2/9

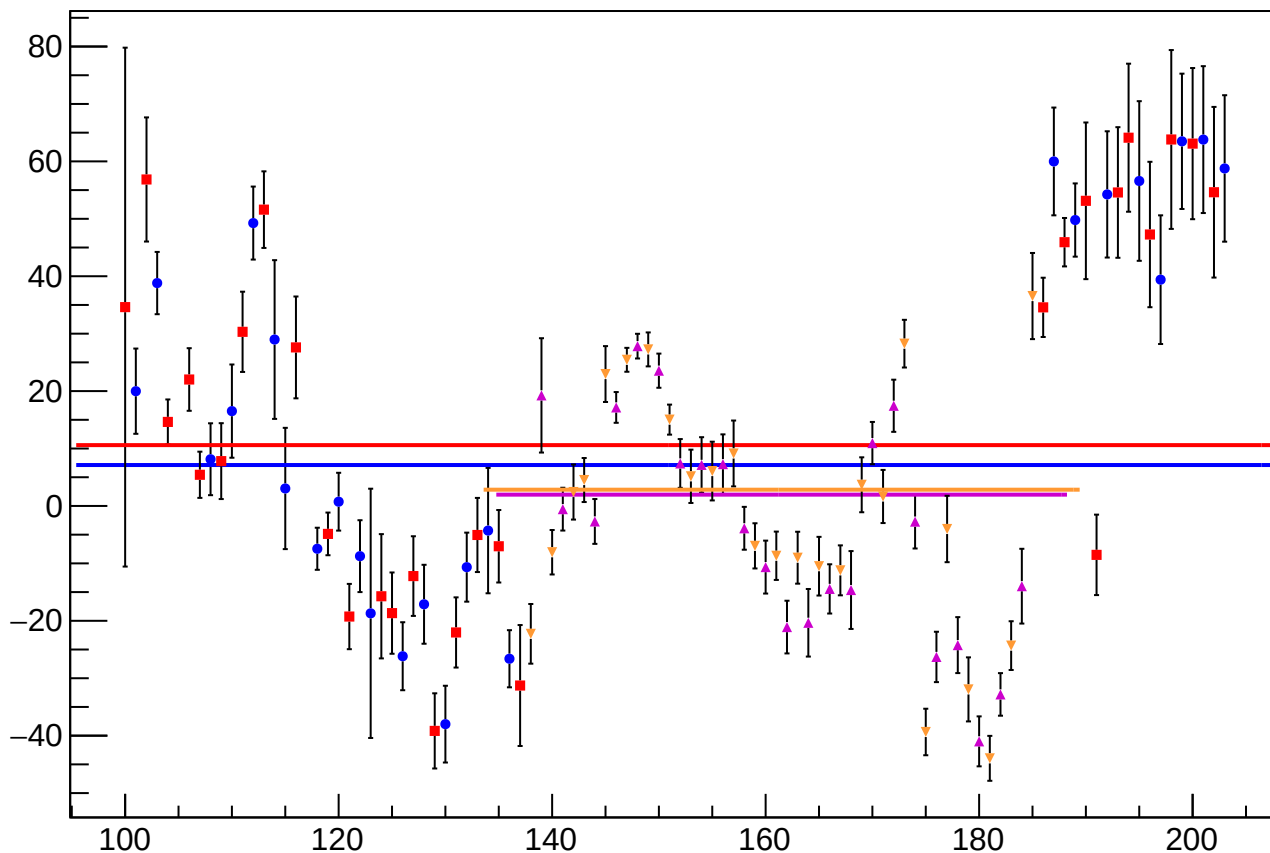
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -232.257 ± 1.019 χ^2/NDF : 4328.3/32

All: -237.862 ± 0.704 χ^2/NDF : 13295.4/65

- sign -242.964 ± 0.973 χ^2/NDF : 8909.4/32

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 7.126 ± 1.416 $\chi^2/\text{NDF}: 430.6/24$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 10.592 ± 1.228 $\chi^2/\text{NDF}: 455.8/28$

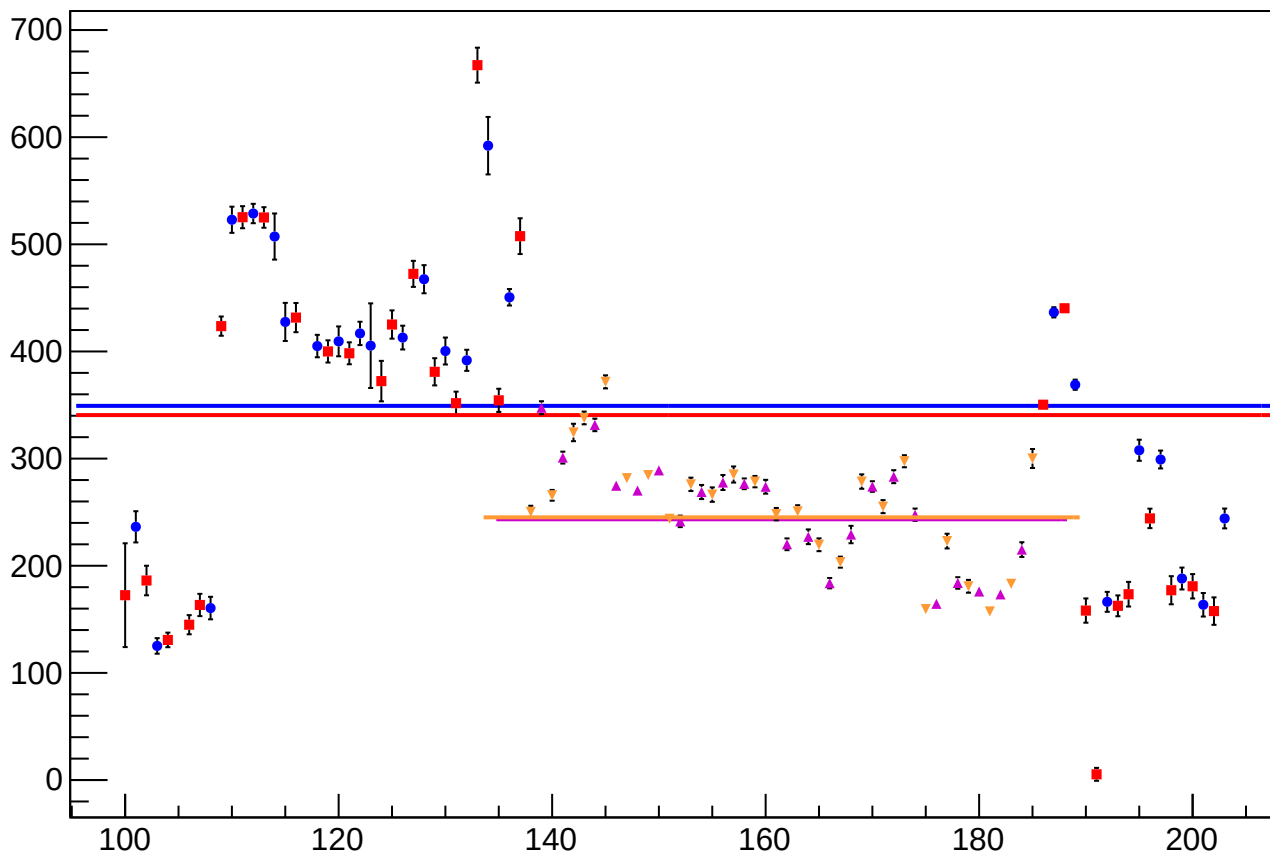
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 3.885 ± 0.701 $\chi^2/\text{NDF}: 1124.5/49$

All: 4.296 ± 0.492 $\chi^2/\text{NDF}: 2203.8/101$

- sign 4.695 ± 0.690 $\chi^2/\text{NDF}: 1078.6/51$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 349.234 $\pm$ 1.881 χ^2 /NDF: 3948.3/24

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 340.616 $\pm$ 1.423 χ^2 /NDF: 9654.1/28

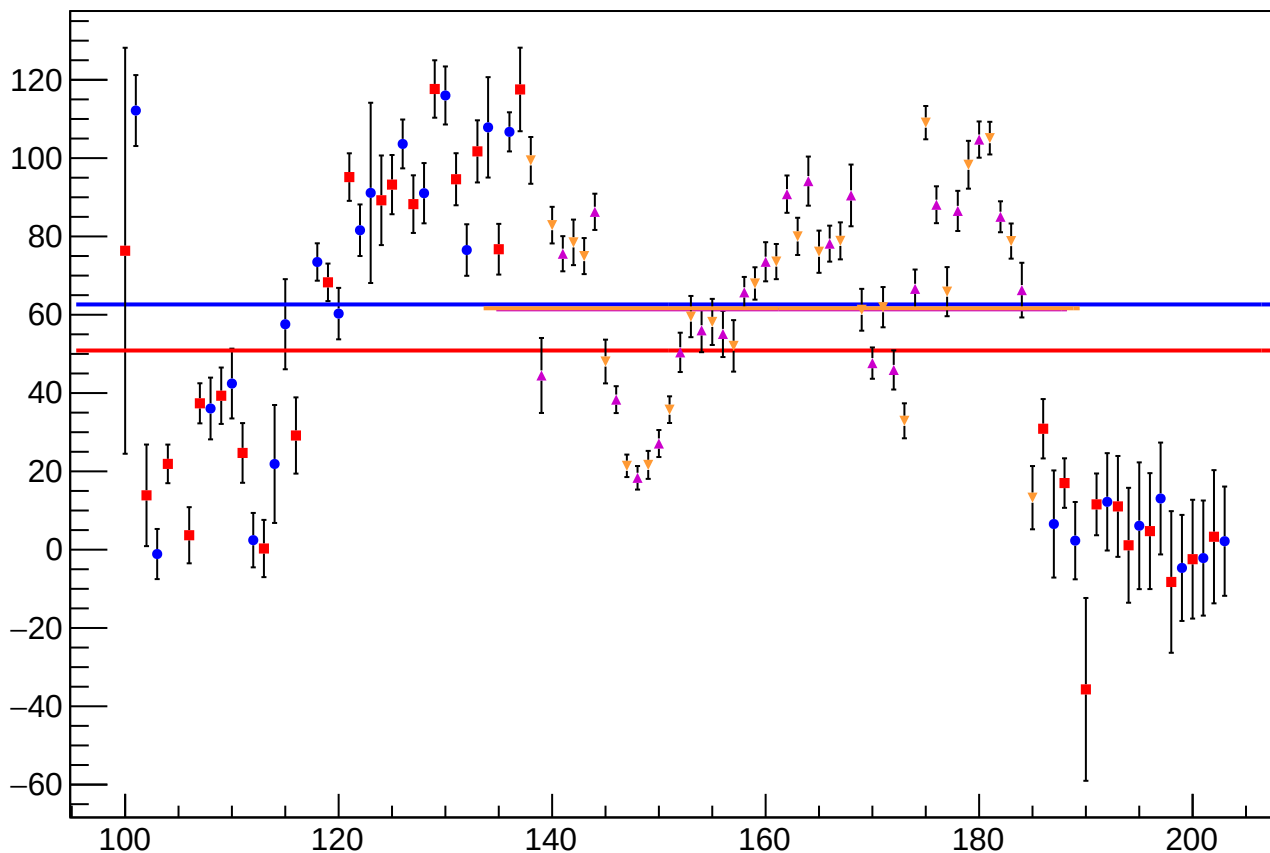
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 271.060 $\pm$ 0.938 χ^2 /NDF: 8845.9/49

All: 275.600 $\pm$ 0.637 χ^2 /NDF: 23716.7/101

- sign 279.481 $\pm$ 0.867 χ^2 /NDF: 14827.3/51

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 62.631 $\pm$ 1.653 χ^2 /NDF: 604.3/24

Left Out: 61.647 $\pm$ 0.936 χ^2 /NDF: 871.5/24

Right Out: 50.867 $\pm$ 1.472 χ^2 /NDF: 653.2/28

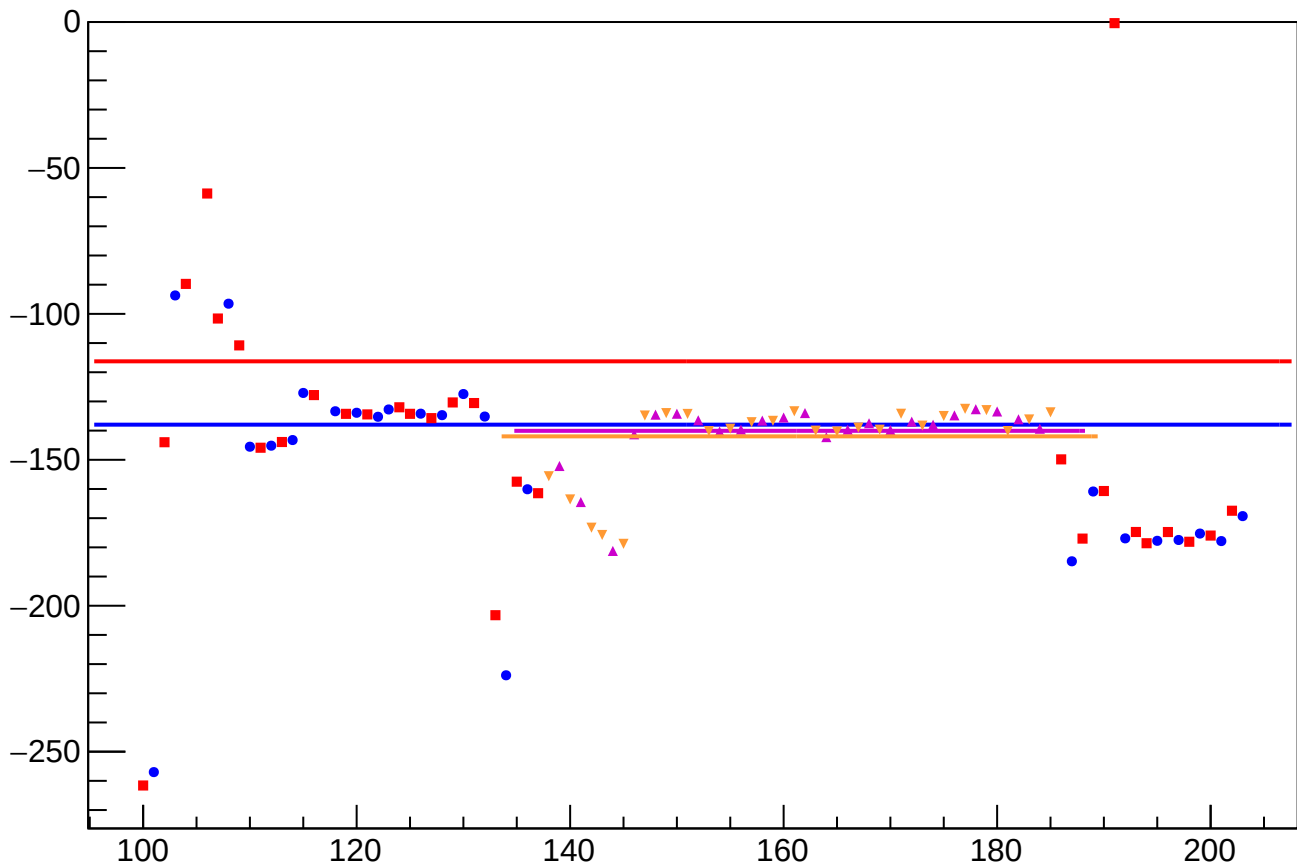
Left In: 61.375 $\pm$ 0.961 χ^2 /NDF: 699.7/22

+ sign 61.886 $\pm$ 0.815 χ^2 /NDF: 1476.1/49

All: 60.039 $\pm$ 0.573 χ^2 /NDF: 2874.8/101

- sign 58.236 $\pm$ 0.805 χ^2 /NDF: 1388.6/51

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -137.960 ± 0.079 $\chi^2/\text{NDF}: 232588.5/24$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -116.260 ± 0.069 $\chi^2/\text{NDF}: 597494.0/28$

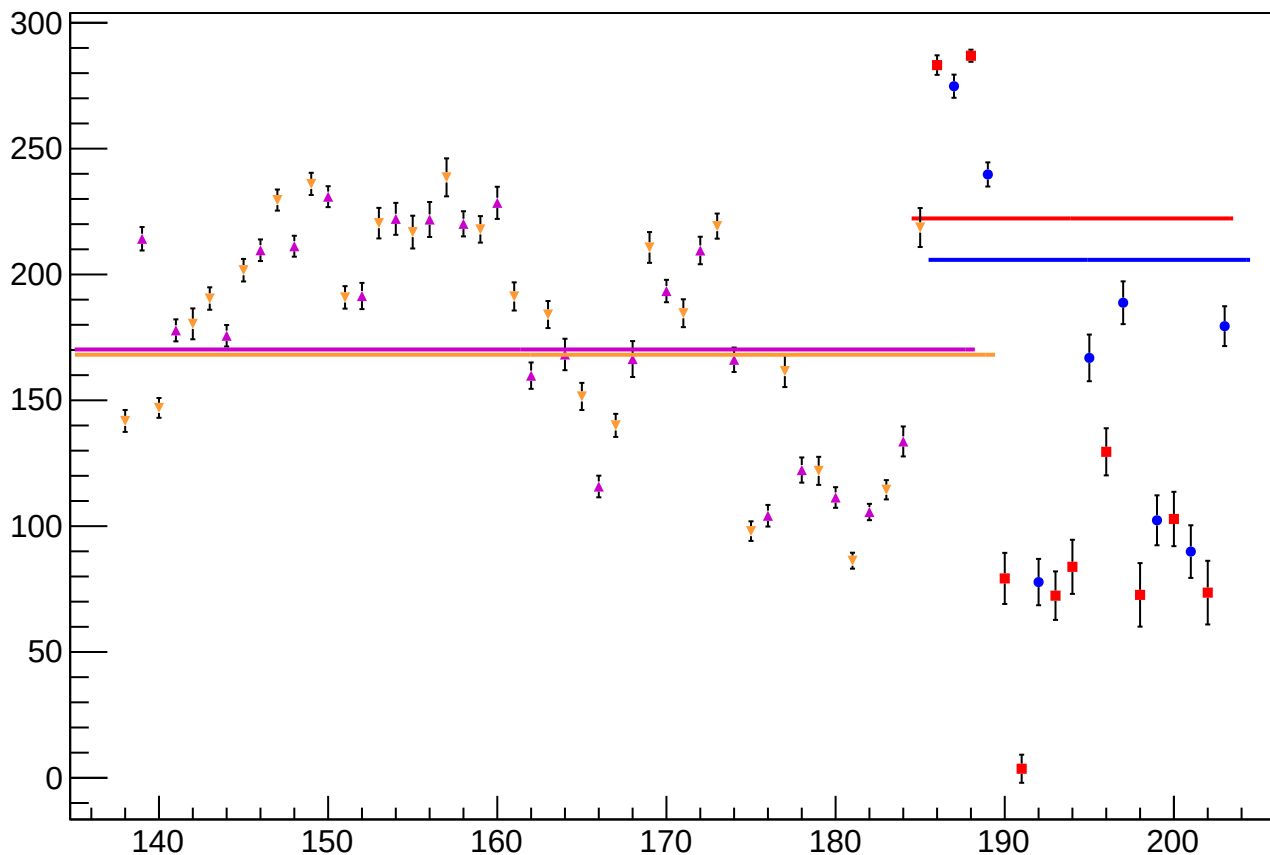
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -140.994 ± 0.039 $\chi^2/\text{NDF}: 314797.6/49$

All: -136.851 ± 0.027 $\chi^2/\text{NDF}: 1065893.1/10$

- sign -132.960 ± 0.038 $\chi^2/\text{NDF}: 729087.3/51$

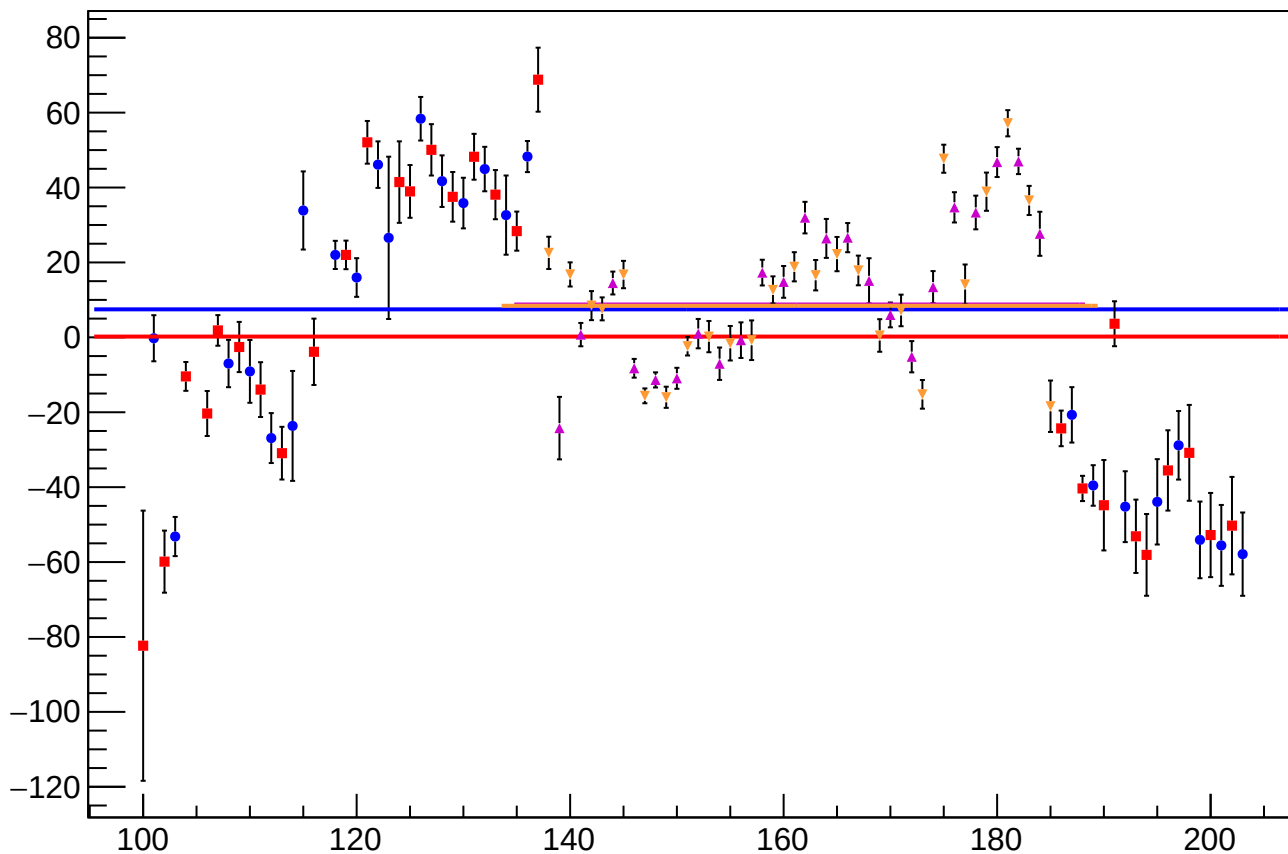
reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 205.814 ± 2.476 $\chi^2/\text{NDF}: 732.4/7$
 Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$
 Right Out: 222.264 ± 1.735 $\chi^2/\text{NDF}: 3603.4/9$
 Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 173.127 ± 0.903 $\chi^2/\text{NDF}: 3402.3/32$
 All: 178.331 ± 0.624 $\chi^2/\text{NDF}: 9771.0/65$
 - sign 183.086 ± 0.863 $\chi^2/\text{NDF}: 6305.2/32$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 7.475 ± 1.346 $\chi^2/\text{NDF}: 762.2/24$

Left Out: 8.436 ± 0.728 $\chi^2/\text{NDF}: 752.0/24$

Right Out: 0.206 ± 1.170 $\chi^2/\text{NDF}: 832.0/28$

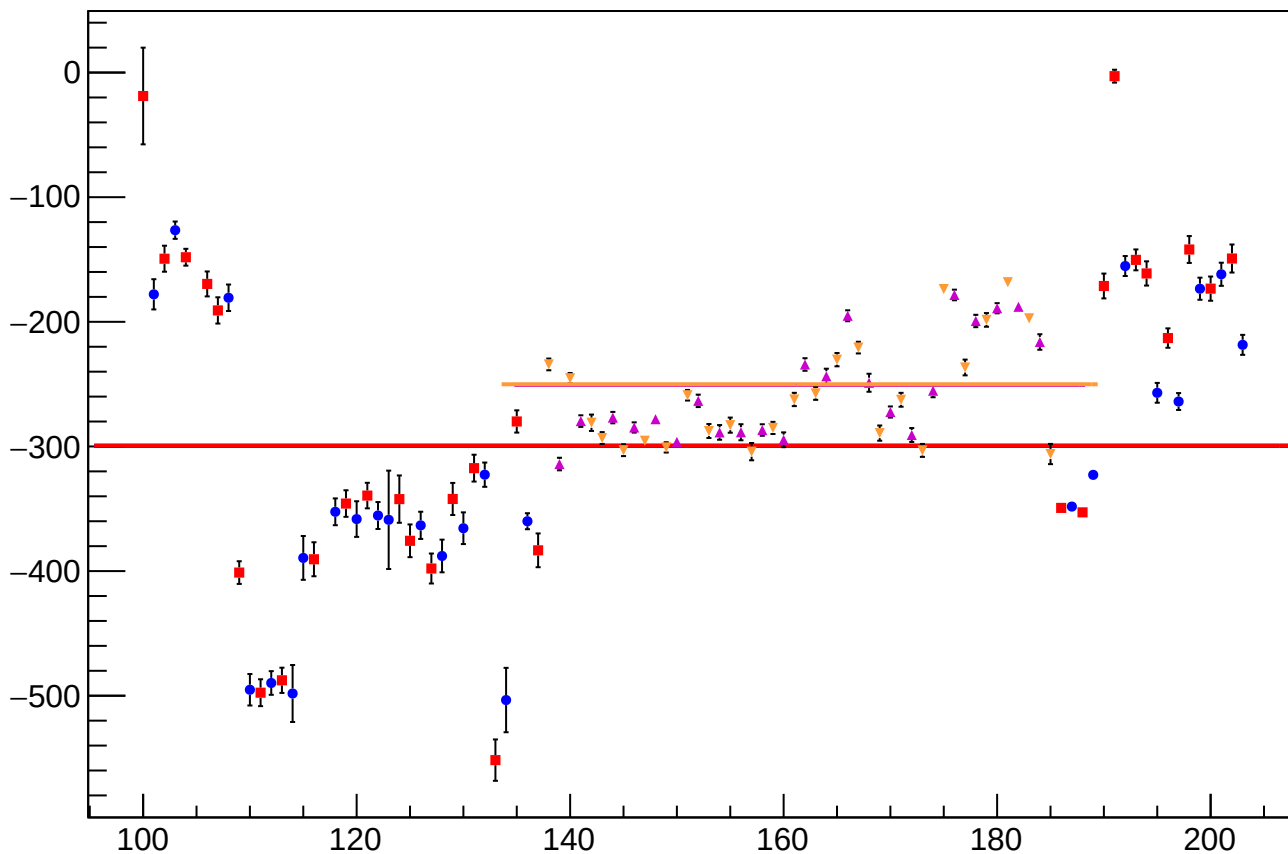
Left In: 8.769 ± 0.758 $\chi^2/\text{NDF}: 626.8/22$

+ sign 8.219 ± 0.640 $\chi^2/\text{NDF}: 1514.7/49$

All: 7.220 ± 0.451 $\chi^2/\text{NDF}: 3016.0/101$

- sign 6.235 ± 0.636 $\chi^2/\text{NDF}: 1496.5/51$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -299.530 ± 1.656 χ^2/NDF : 3030.0/24

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -299.251 ± 1.246 χ^2/NDF : 7993.4/28

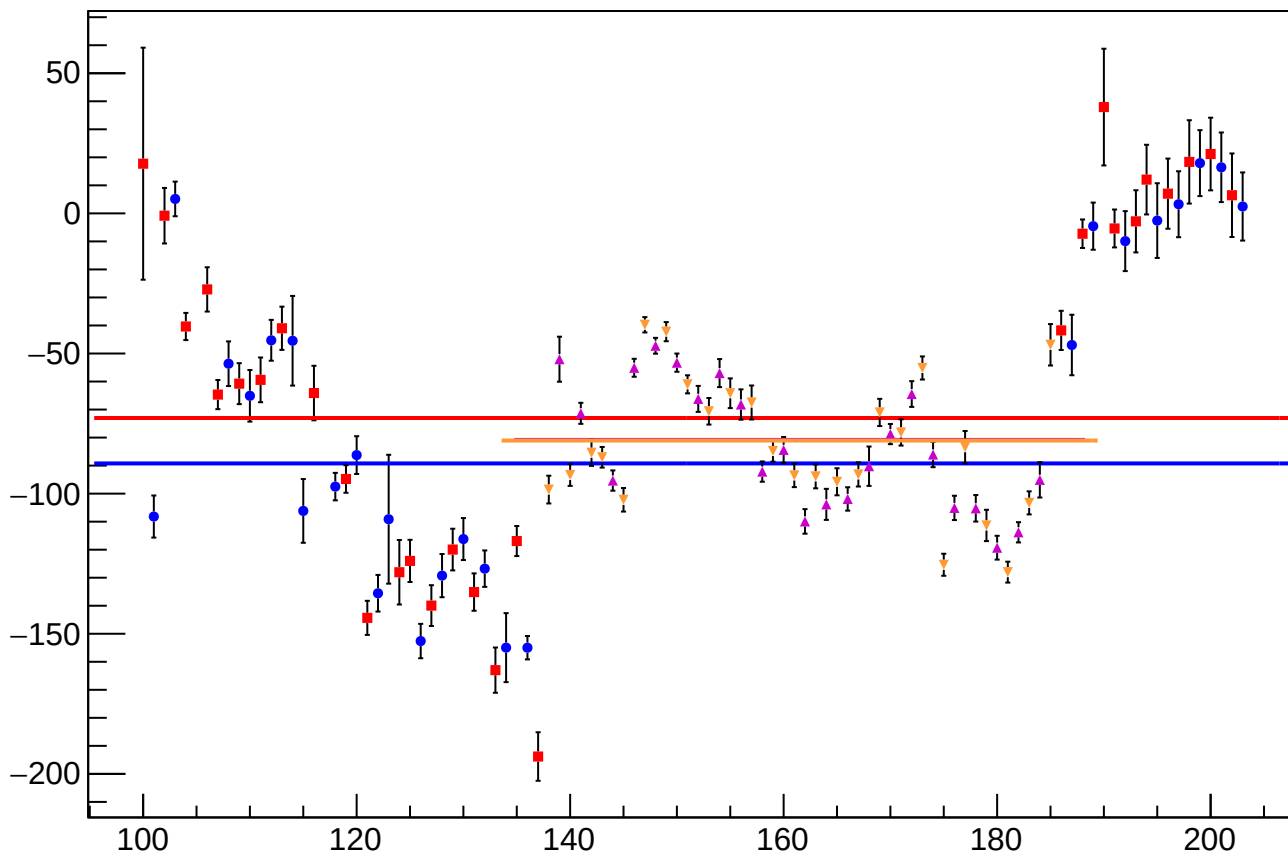
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -262.791 ± 0.838 χ^2/NDF : 5939.2/49

All: -266.380 ± 0.569 χ^2/NDF : 16836.8/101

- sign -269.449 ± 0.775 χ^2/NDF : 10863.5/51

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -89.225 ± 1.572 χ^2/NDF : 1311.2/24

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -73.011 ± 1.409 χ^2/NDF : 1548.7/28

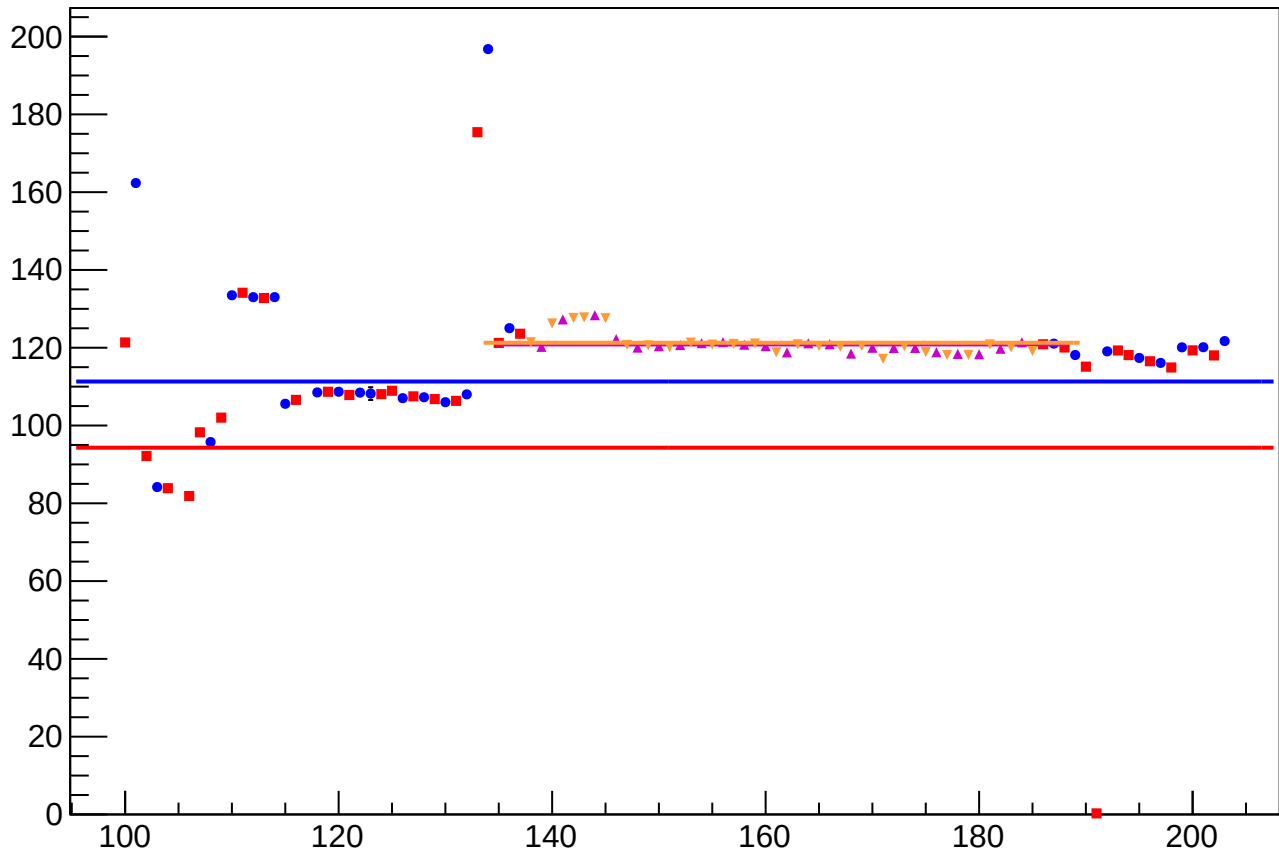
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -82.881 ± 0.743 χ^2/NDF : 2245.3/49

All: -80.770 ± 0.525 χ^2/NDF : 4525.5/101

- sign -78.667 ± 0.741 χ^2/NDF : 2264.2/51

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 111.315 $\pm$ 0.073 χ^2 /NDF: 77632.7/24

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 94.302 $\pm$ 0.064 χ^2 /NDF: 356527.2/28

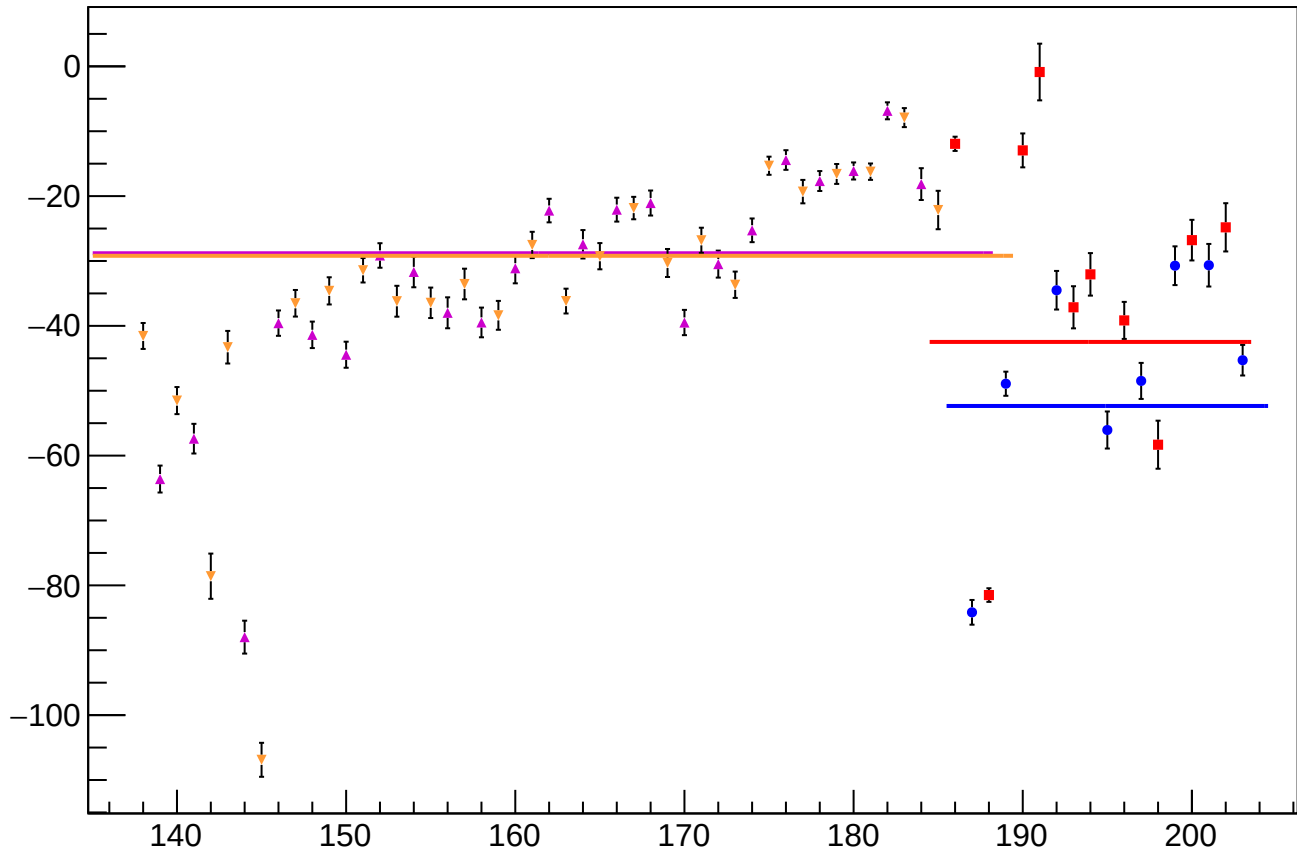
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.962 $\pm$ 0.035 χ^2 /NDF: 96956.5/49

All: 115.983 $\pm$ 0.025 χ^2 /NDF: 594312.3/101

- sign 113.144 $\pm$ 0.034 χ^2 /NDF: 483303.0/51

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -52.347 ± 0.872 $\chi^2/\text{NDF}: 426.5/7$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -42.476 ± 0.633 $\chi^2/\text{NDF}: 2454.5/9$

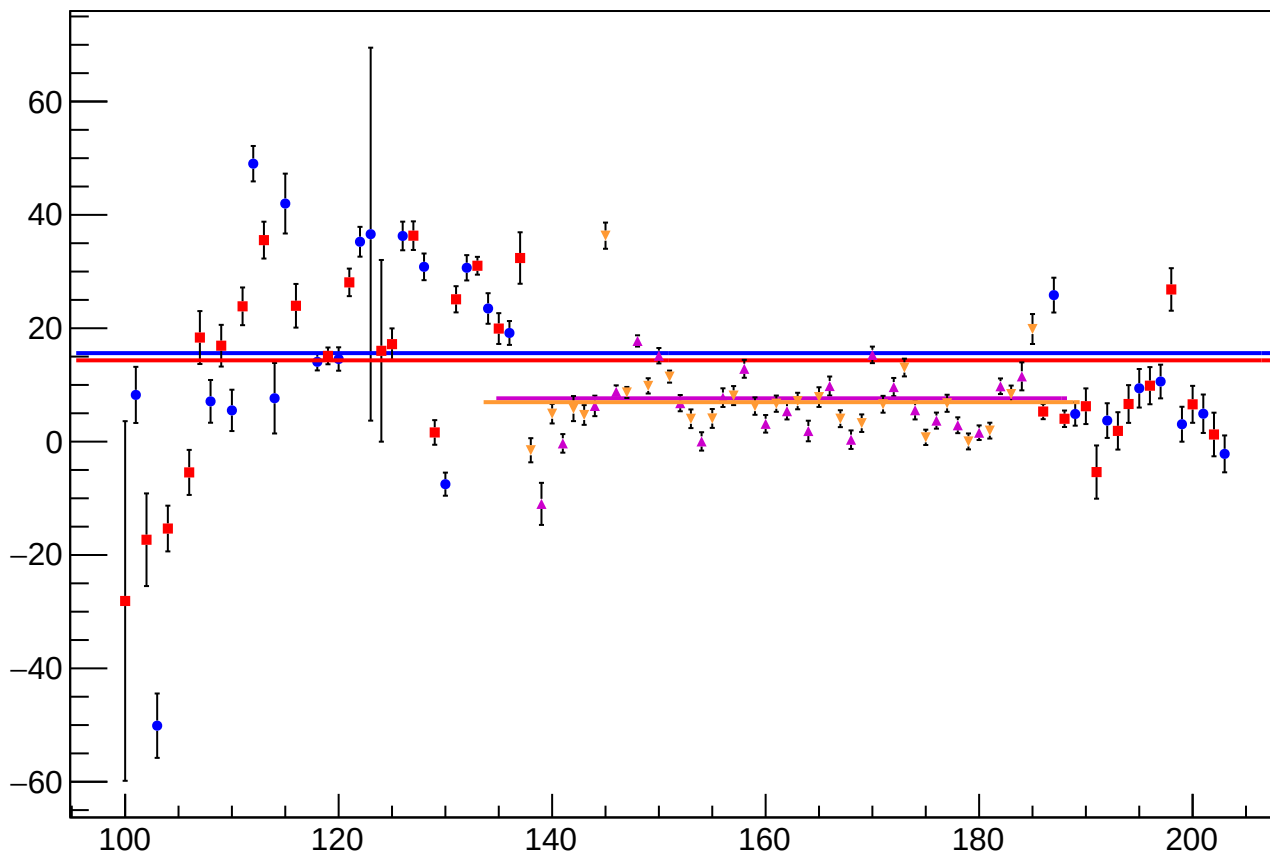
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -33.032 ± 0.355 $\chi^2/\text{NDF}: 2895.7/32$

All: -32.826 ± 0.244 $\chi^2/\text{NDF}: 7449.8/65$

- sign -32.643 ± 0.335 $\chi^2/\text{NDF}: 4553.5/32$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.611 ± 0.553 χ^2/NDF : 757.7/24

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 14.339 ± 0.494 χ^2/NDF : 621.2/28

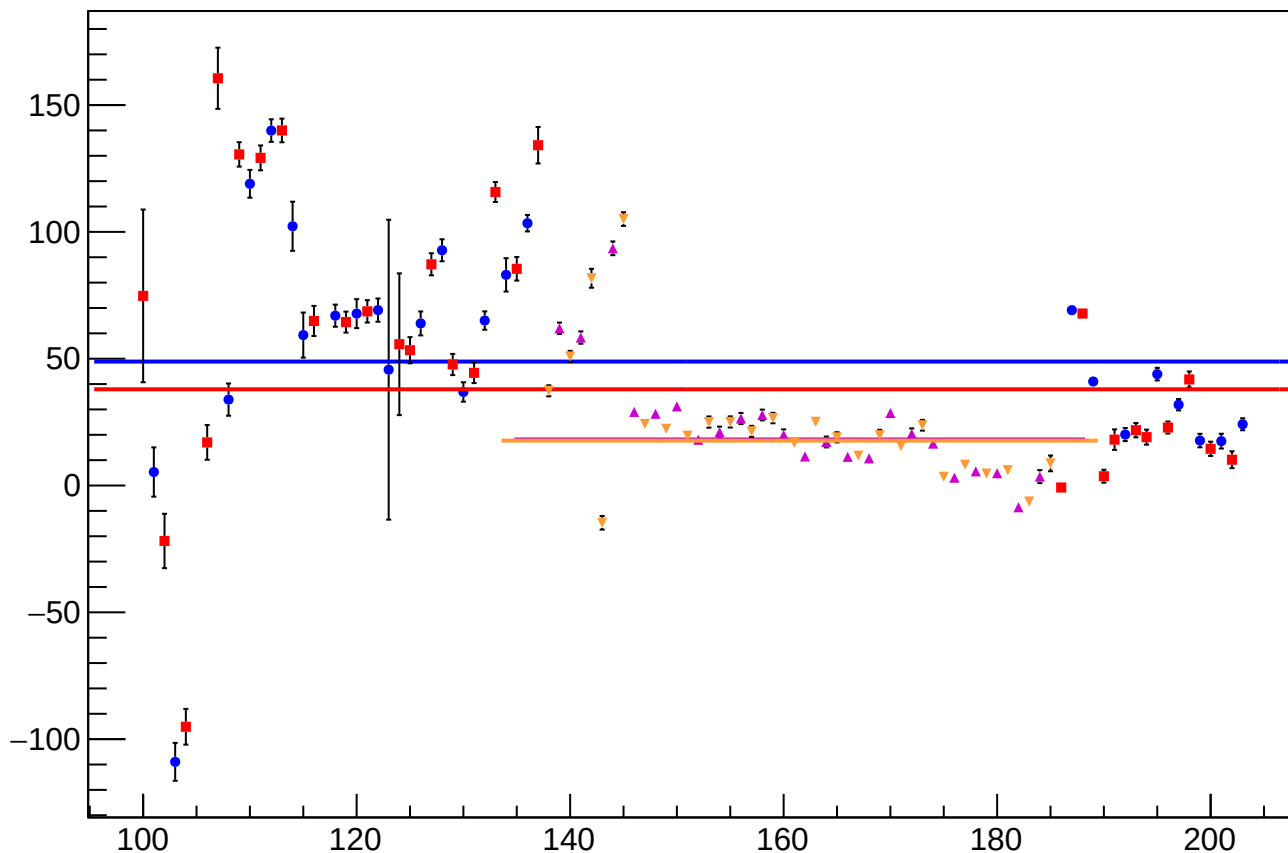
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 8.958 ± 0.266 χ^2/NDF : 1267.3/49

All: 9.261 ± 0.188 χ^2/NDF : 2359.9/101

- sign 9.561 ± 0.265 χ^2/NDF : 1090.0/51

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 48.872 $\pm$ 0.644 χ^2/NDF : 2323.0/24

Left Out: 17.705 $\pm$ 0.387 χ^2/NDF : 2432.2/24

Right Out: 37.940 $\pm$ 0.482 χ^2/NDF : 6274.6/28

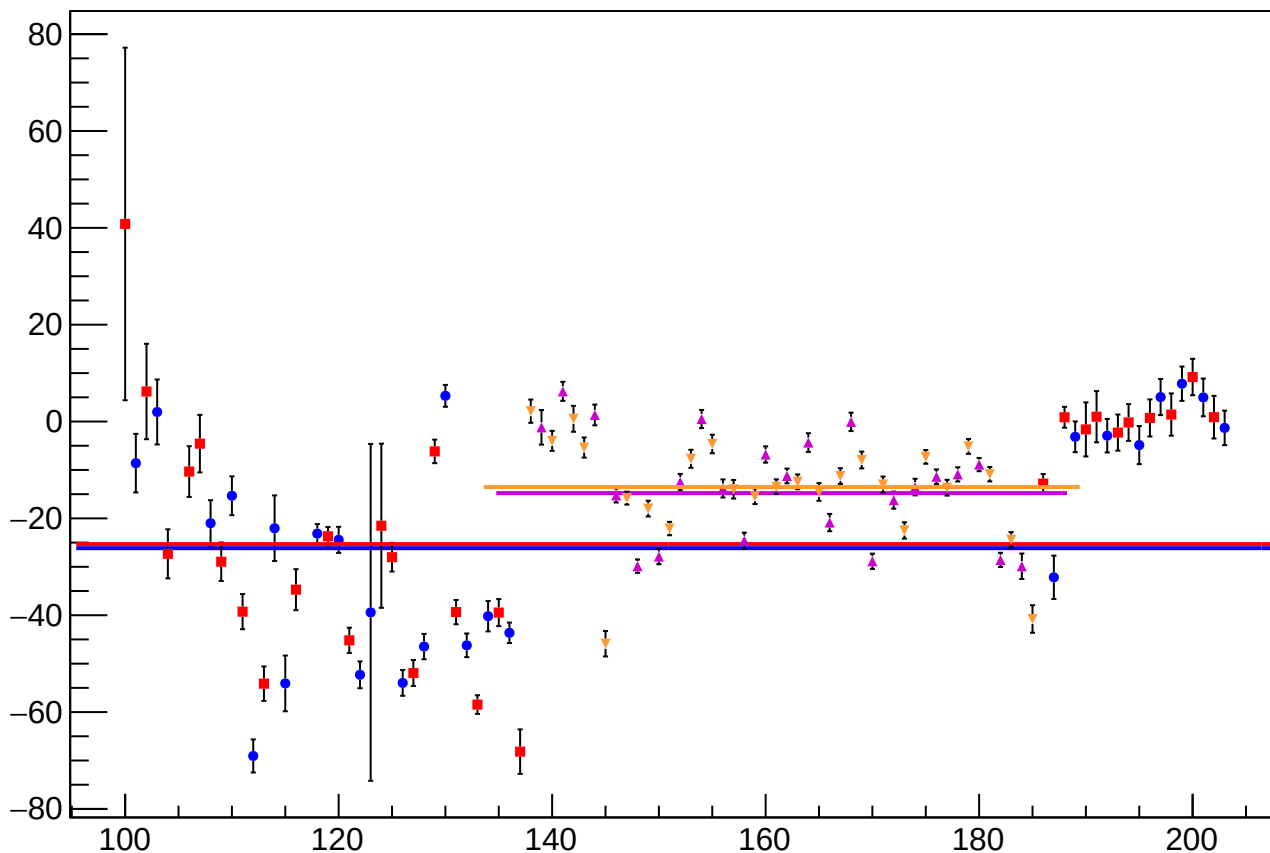
Left In: 18.150 $\pm$ 0.393 χ^2/NDF : 2339.4/22

+ sign 25.977 $\pm$ 0.332 χ^2/NDF : 6474.6/49

All: 26.016 $\pm$ 0.224 χ^2/NDF : 16103.0/101

- sign 26.049 $\pm$ 0.304 χ^2/NDF : 9628.4/51

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -26.157 ± 0.647 $\chi^2/\text{NDF}: 1231.3/24$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -25.310 ± 0.602 $\chi^2/\text{NDF}: 1296.0/28$

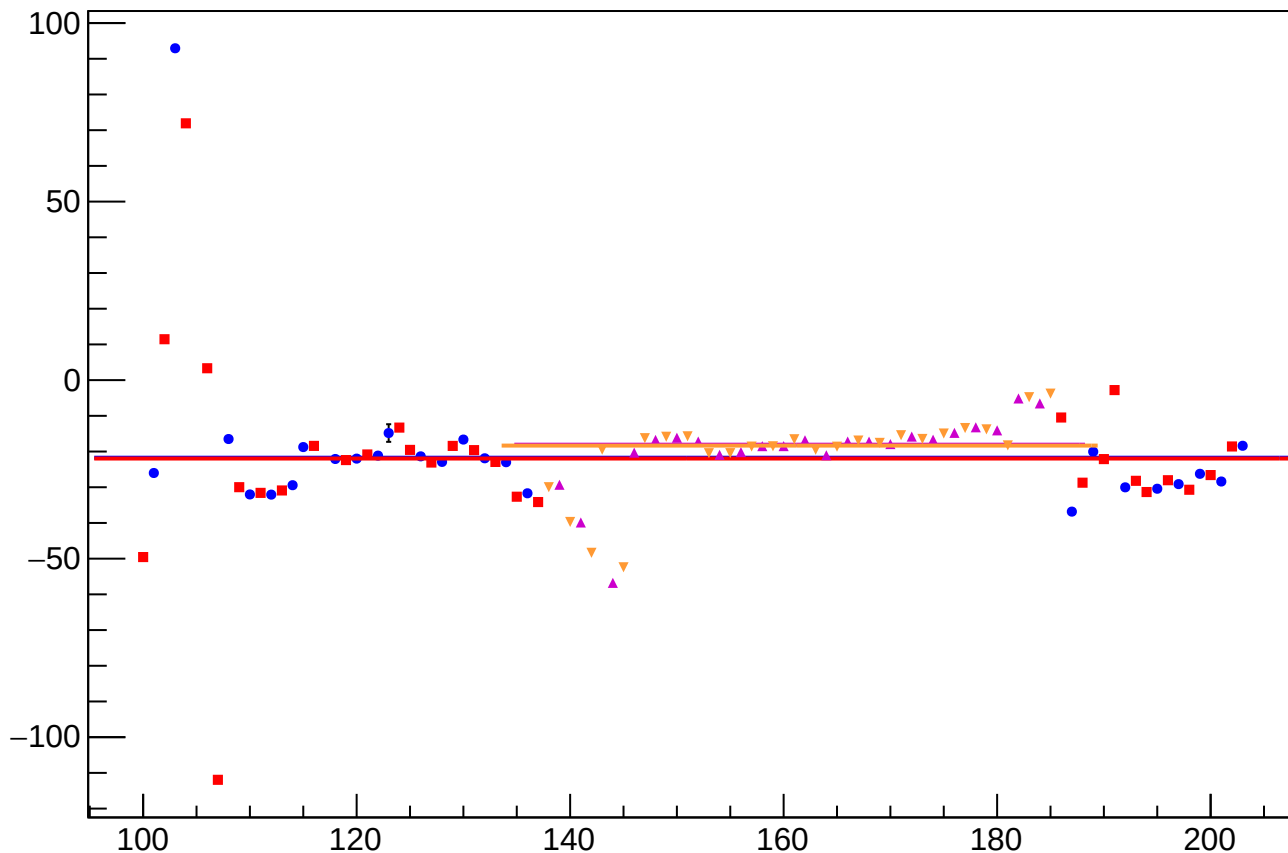
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.314 ± 0.304 $\chi^2/\text{NDF}: 2101.0/49$

All: -16.898 ± 0.215 $\chi^2/\text{NDF}: 4470.0/101$

- sign -17.488 ± 0.305 $\chi^2/\text{NDF}: 2361.6/51$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.729 ± 0.031 χ^2/NDF : 513257.9/24

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -21.958 ± 0.030 χ^2/NDF : 486403.0/28

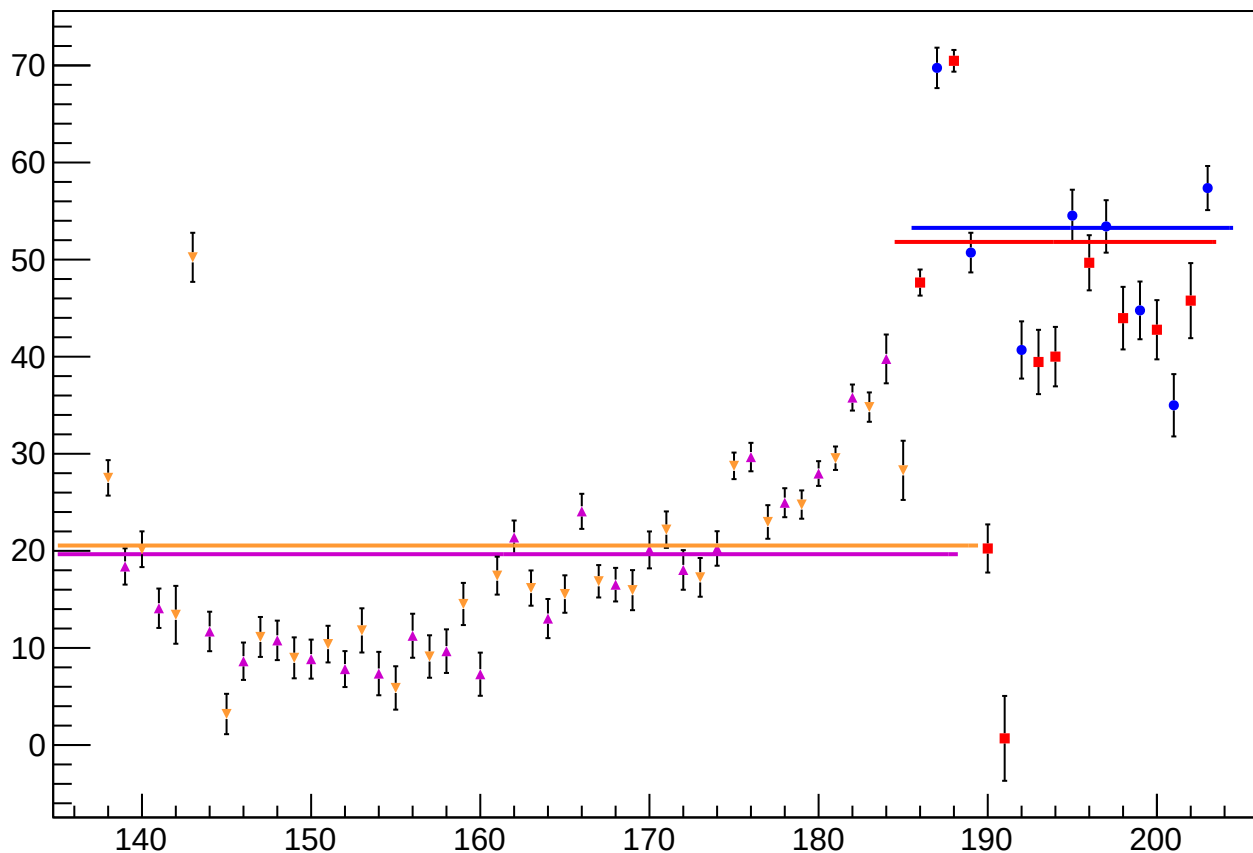
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -19.027 ± 0.014 χ^2/NDF : 806789.6/49

All: -18.997 ± 0.010 χ^2/NDF : 1548371.1/101

- sign -18.966 ± 0.014 χ^2/NDF : 741572.2/51

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 53.267 ± 0.888 $\chi^2/\text{NDF}: 126.5/7$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 51.820 ± 0.680 $\chi^2/\text{NDF}: 633.6/9$

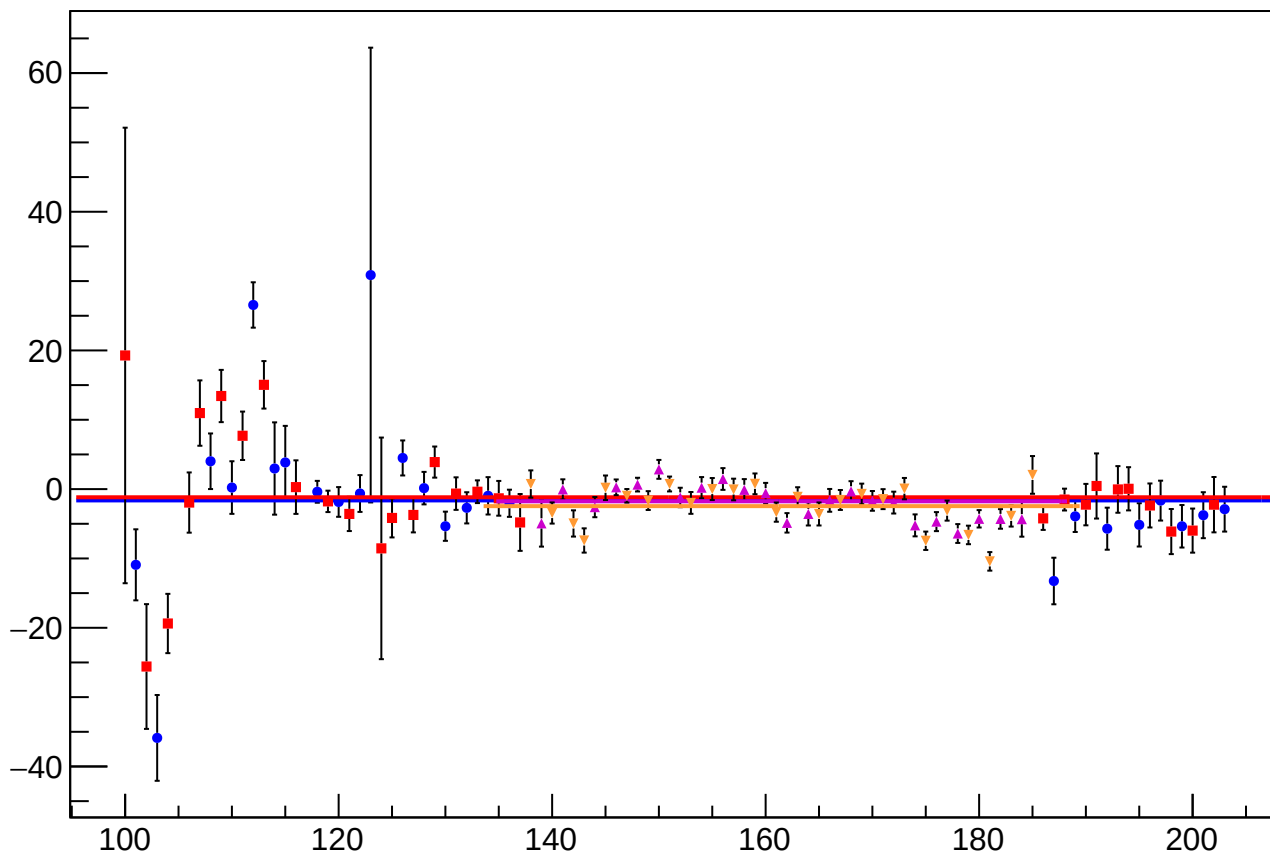
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 25.454 ± 0.344 $\chi^2/\text{NDF}: 1905.7/32$

All: 26.419 ± 0.239 $\chi^2/\text{NDF}: 4829.4/65$

- sign 27.318 ± 0.332 $\chi^2/\text{NDF}: 2908.6/32$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.631 ± 0.560 χ^2/NDF : 141.7/24

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.178 ± 0.514 χ^2/NDF : 95.0/28

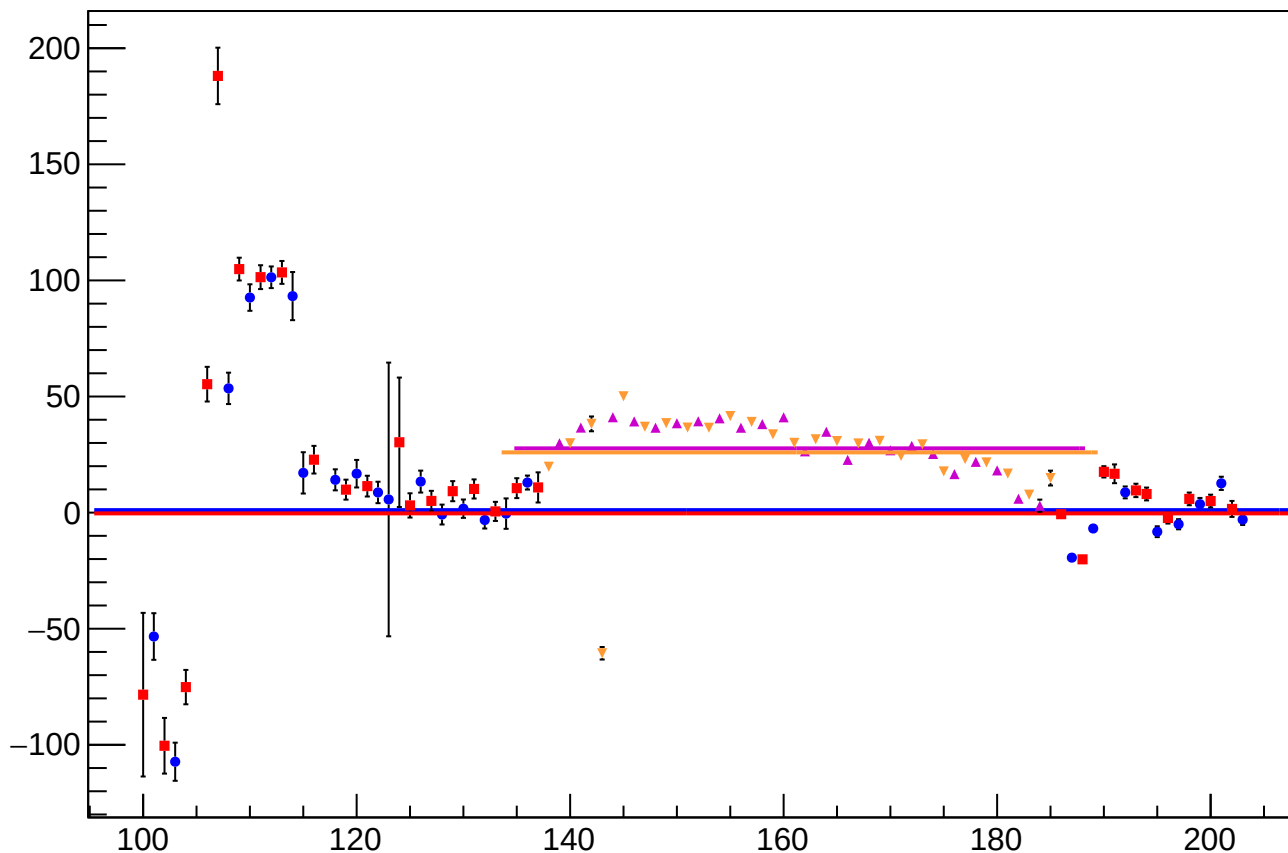
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.278 ± 0.259 χ^2/NDF : 249.4/49

All: -1.946 ± 0.184 χ^2/NDF : 416.0/101

- sign -1.609 ± 0.260 χ^2/NDF : 163.3/51

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 1.071 ± 0.658 χ^2/NDF : 1324.2/24

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -0.332 ± 0.517 χ^2/NDF : 2403.5/28

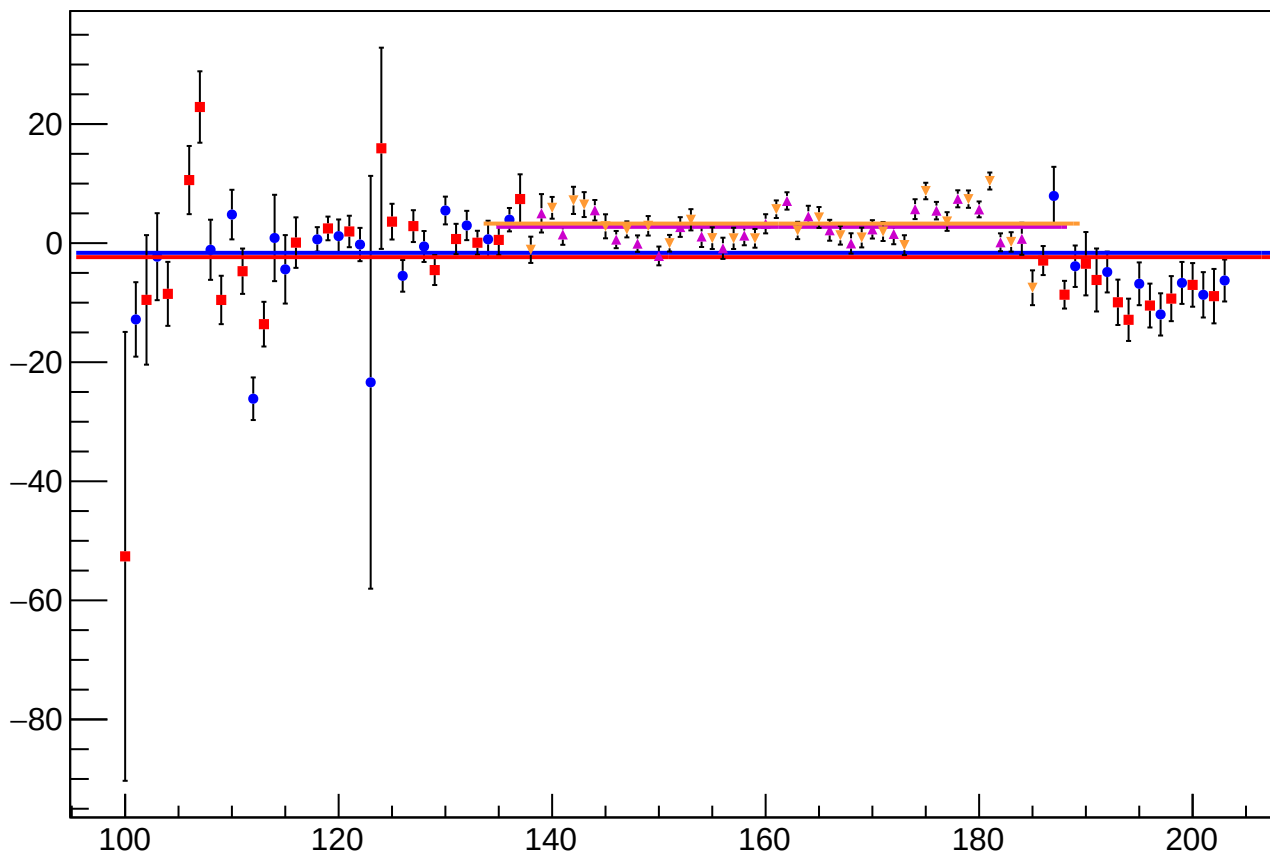
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 19.913 ± 0.324 χ^2/NDF : 4116.5/49

All: 18.850 ± 0.222 χ^2/NDF : 9257.2/101

- sign 17.907 ± 0.305 χ^2/NDF : 5120.3/51

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.630 ± 0.651 χ^2/NDF : 102.3/24

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.352 ± 0.618 χ^2/NDF : 99.7/28

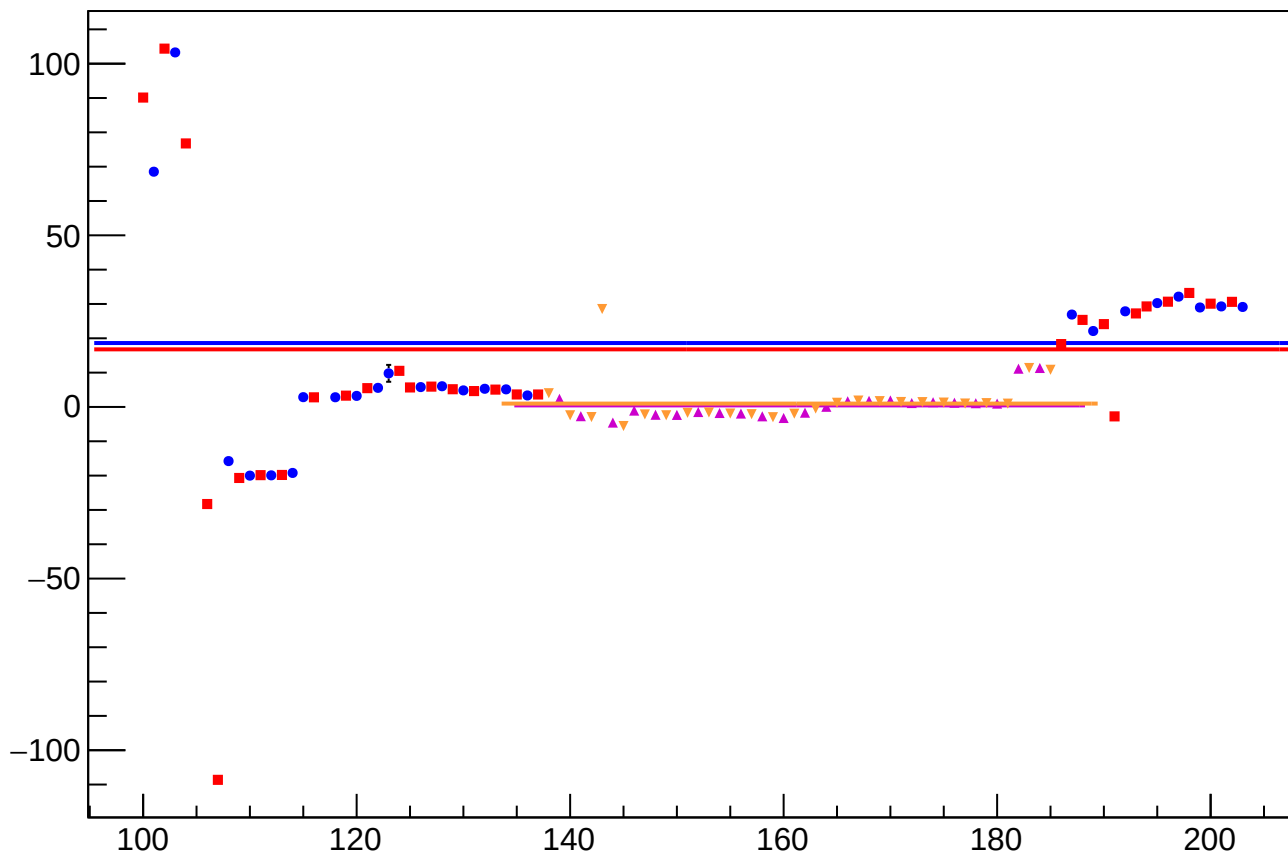
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.272 ± 0.295 χ^2/NDF : 249.8/49

All: 1.915 ± 0.210 χ^2/NDF : 468.9/101

- sign 1.550 ± 0.299 χ^2/NDF : 216.1/51

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 18.620 $\pm$ 0.031 χ^2 /NDF: 477943.2/24

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 16.776 $\pm$ 0.030 χ^2 /NDF: 706864.0/28

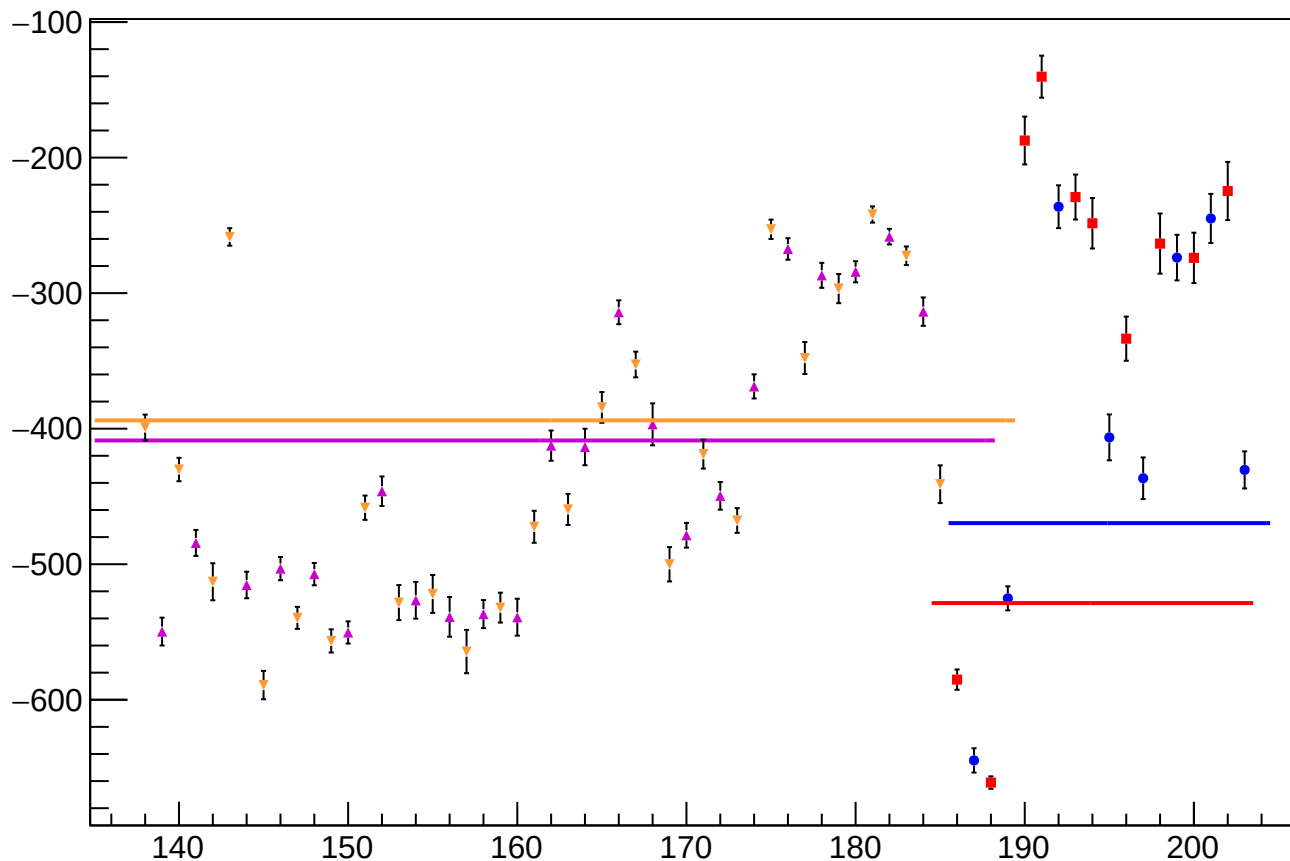
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 4.400 $\pm$ 0.014 χ^2 /NDF: 856853.6/49

All: 4.174 $\pm$ 0.010 χ^2 /NDF: 1854609.9/101

- sign 3.947 $\pm$ 0.014 χ^2 /NDF: 997205.7/51

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -469.676+/-4.525 χ^2/NDF : 955.6/7

Left Out: -393.871+/-1.897 χ^2/NDF : 3772.8/24

Right Out: -528.651+/-3.335 χ^2/NDF : 3116.9/9

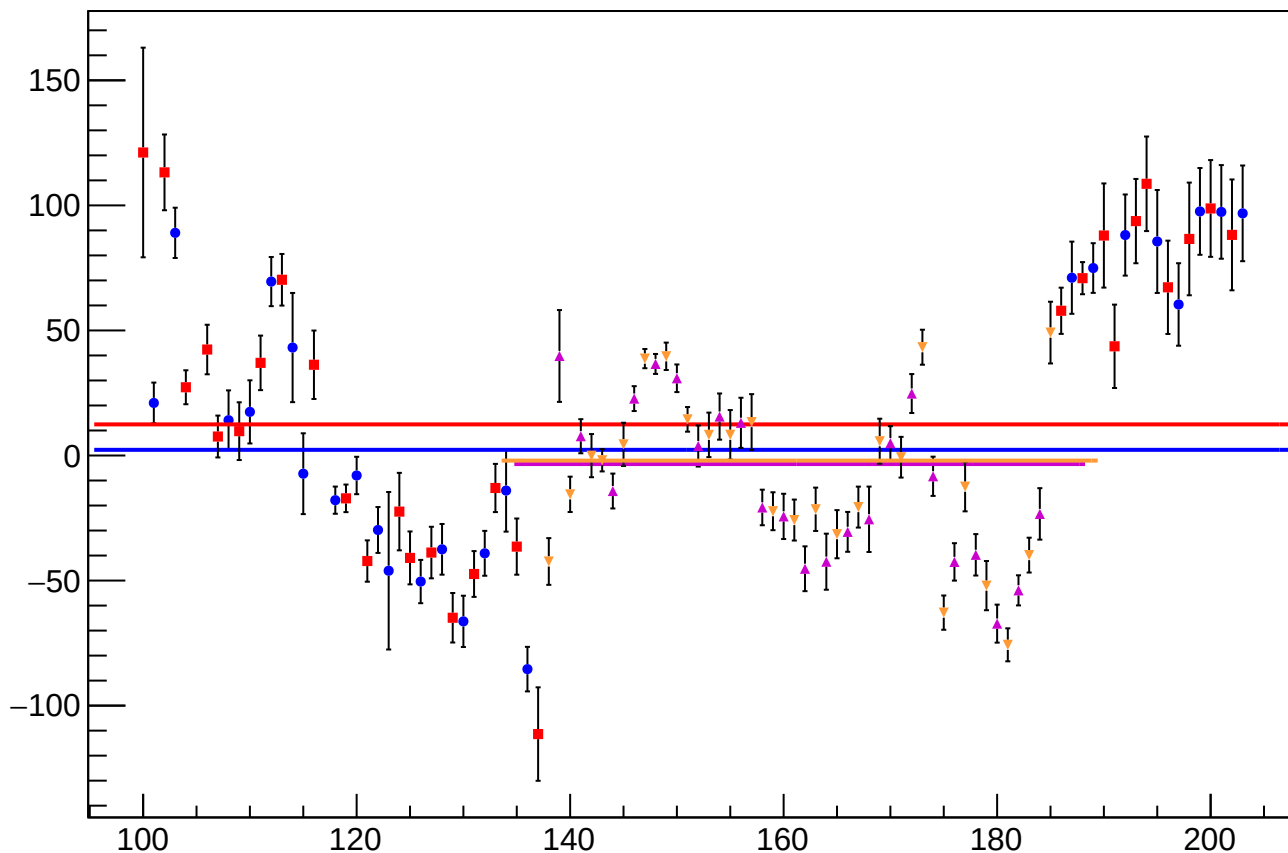
Left In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

+ sign -405.205+/-1.749 χ^2/NDF : 4967.2/32

All: -423.053+/-1.220 χ^2/NDF : 12306.5/65

- sign -439.942+/-1.702 χ^2/NDF : 7136.8/32

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 2.269 ± 2.160 $\chi^2/\text{NDF}: 593.1/24$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 12.445 ± 1.987 $\chi^2/\text{NDF}: 630.0/28$

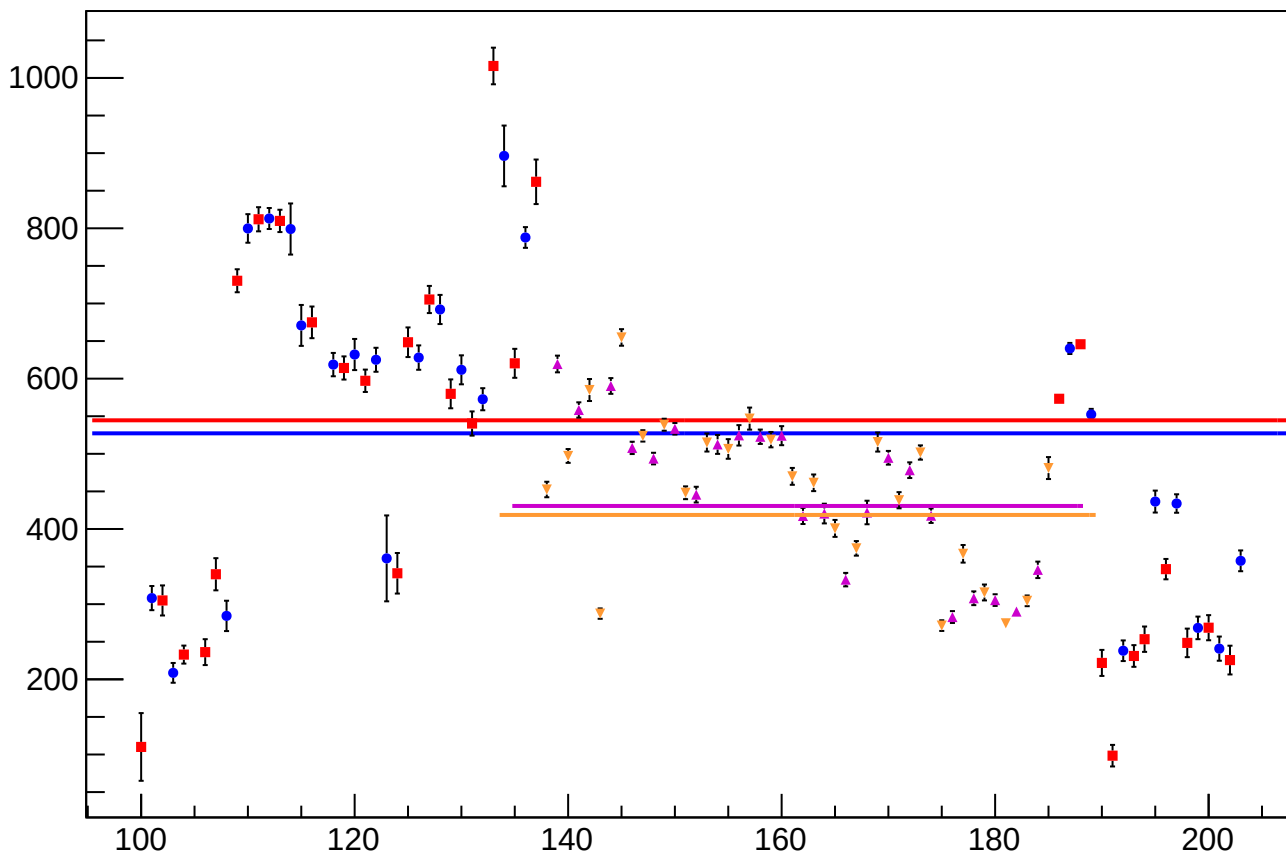
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign -0.732 ± 1.189 $\chi^2/\text{NDF}: 1159.6/49$

All: 0.828 ± 0.847 $\chi^2/\text{NDF}: 2284.3/101$

- sign 2.437 ± 1.207 $\chi^2/\text{NDF}: 1121.2/51$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 527.245 ± 2.894 $\chi^2/\text{NDF}: 3869.2/24$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 544.567 ± 2.290 $\chi^2/\text{NDF}: 6677.7/28$

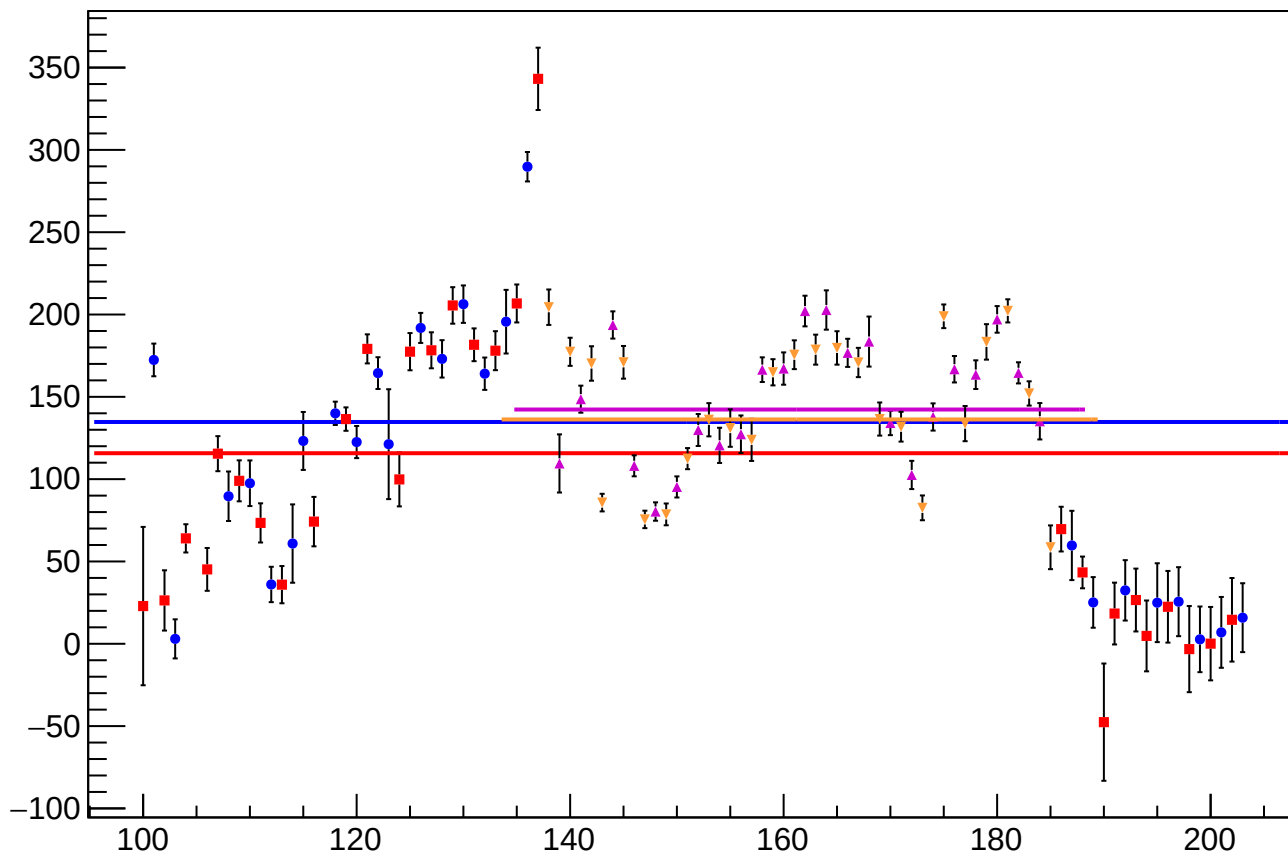
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 451.504 ± 1.591 $\chi^2/\text{NDF}: 8147.8/49$

All: 466.176 ± 1.089 $\chi^2/\text{NDF}: 19257.8/101$

- sign 479.109 ± 1.494 $\chi^2/\text{NDF}: 10950.0/51$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 134.725 $\pm$ 2.531 χ^2/NDF : 923.9/24

Left Out: 136.258 $\pm$ 1.651 χ^2/NDF : 758.3/24

Right Out: 115.754 $\pm$ 2.373 χ^2/NDF : 878.4/28

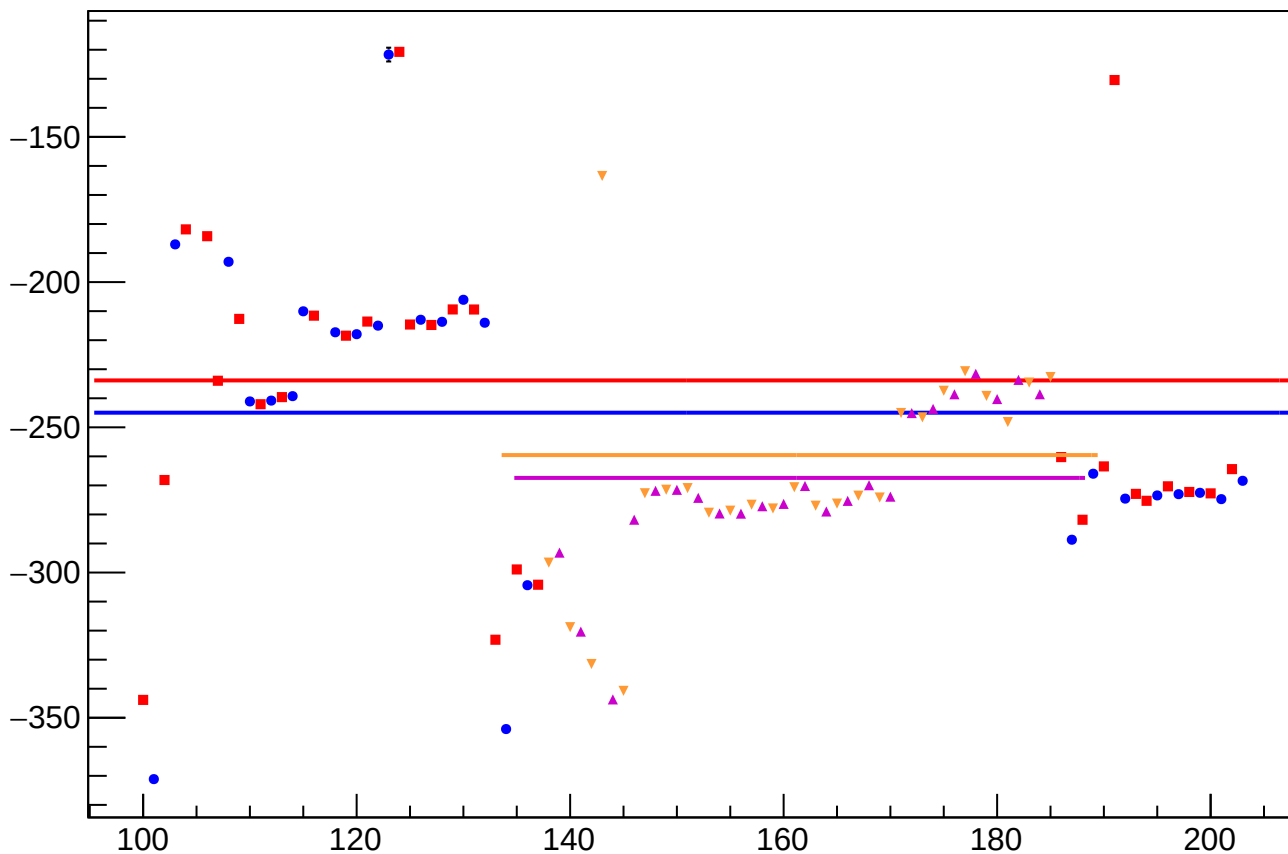
Left In: 142.296 $\pm$ 1.745 χ^2/NDF : 459.8/22

+ sign 135.801 $\pm$ 1.383 χ^2/NDF : 1682.4/49

All: 134.415 $\pm$ 0.986 χ^2/NDF : 3103.9/101

- sign 132.984 $\pm$ 1.406 χ^2/NDF : 1419.4/51

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -244.961 ± 0.127 $\chi^2/\text{NDF}: 163329.1/24$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -233.851 ± 0.117 $\chi^2/\text{NDF}: 171940.8/28$

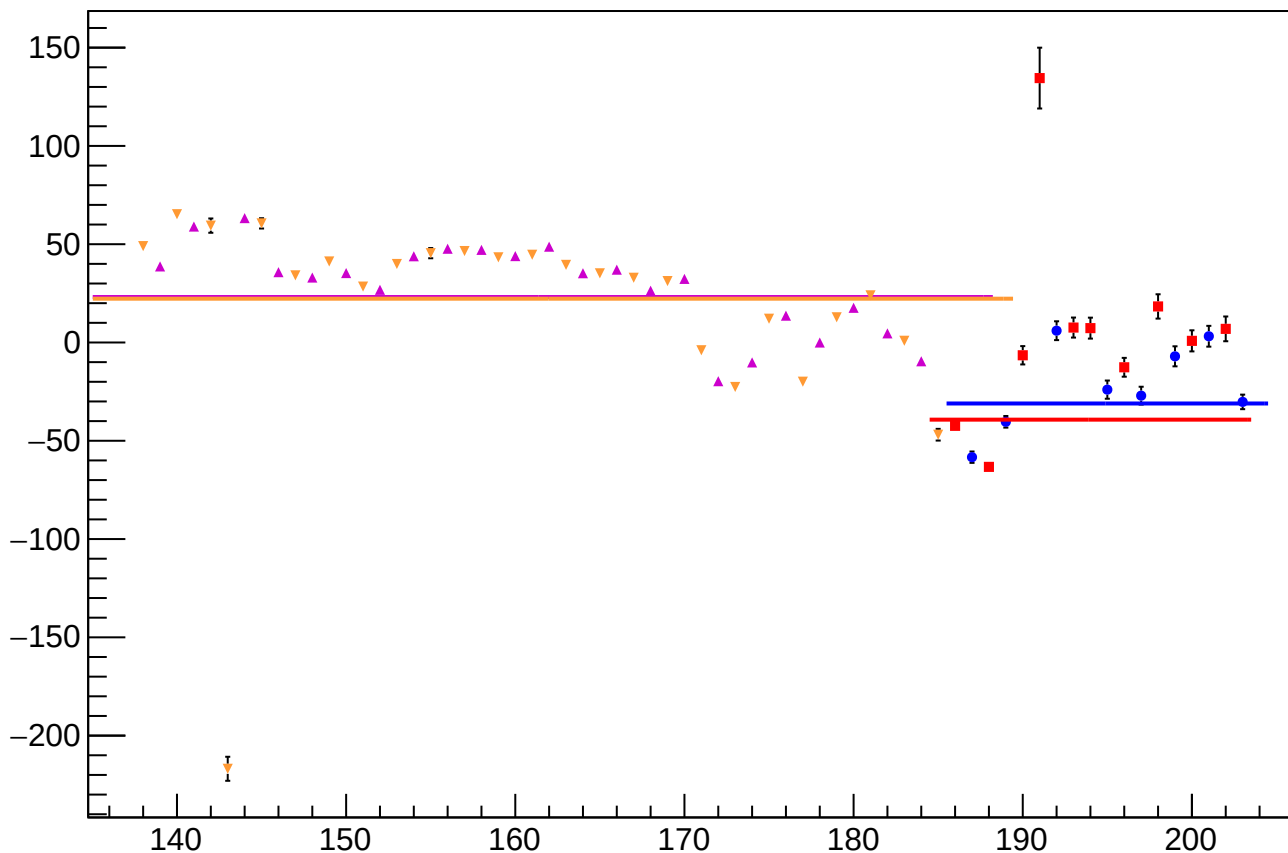
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.494 ± 0.067 $\chi^2/\text{NDF}: 411043.7/49$

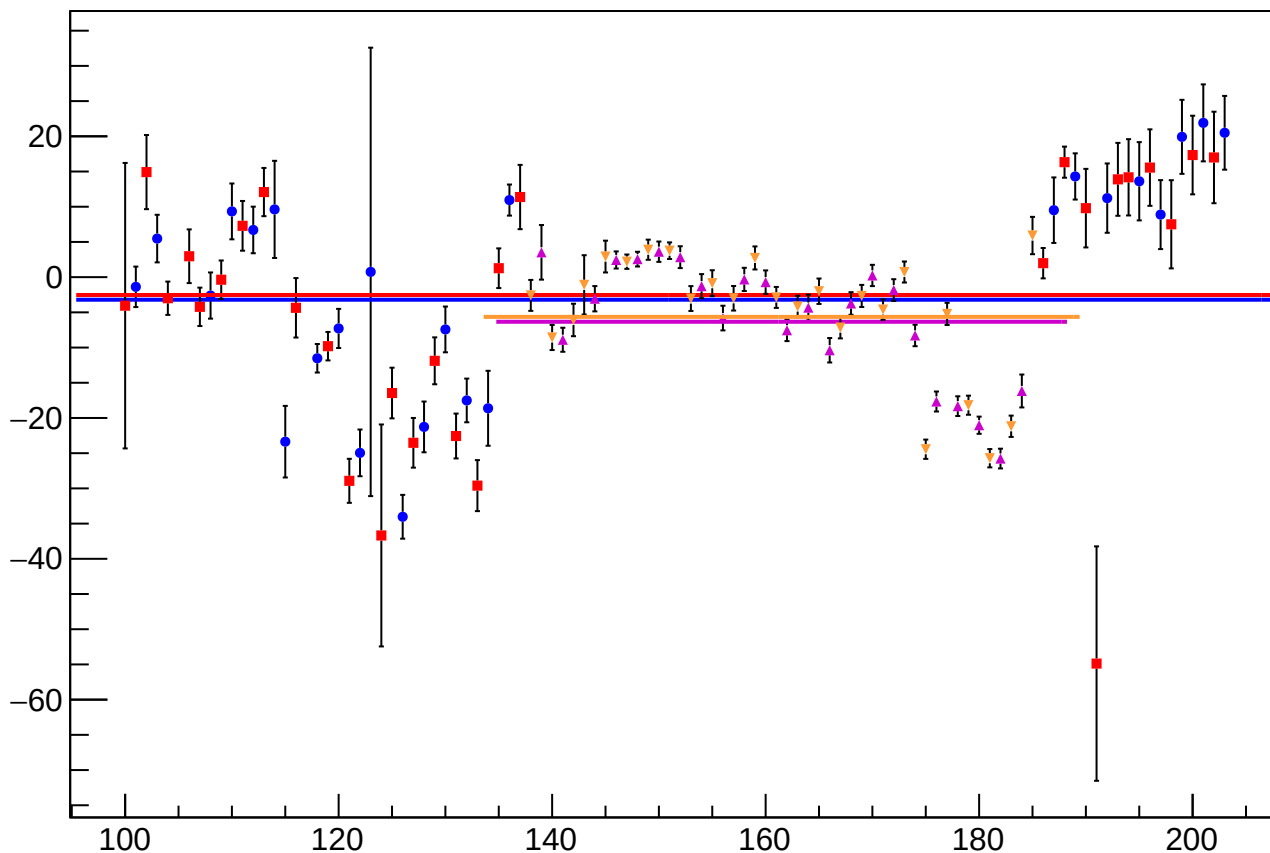
All: -255.960 ± 0.047 $\chi^2/\text{NDF}: 736441.6/101$

- sign -256.423 ± 0.067 $\chi^2/\text{NDF}: 325302.1/51$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.205 ± 0.714 $\chi^2/\text{NDF}: 423.8/24$

Left Out: -5.642 ± 0.316 $\chi^2/\text{NDF}: 893.7/24$

Right Out: -2.533 ± 0.650 $\chi^2/\text{NDF}: 441.0/28$

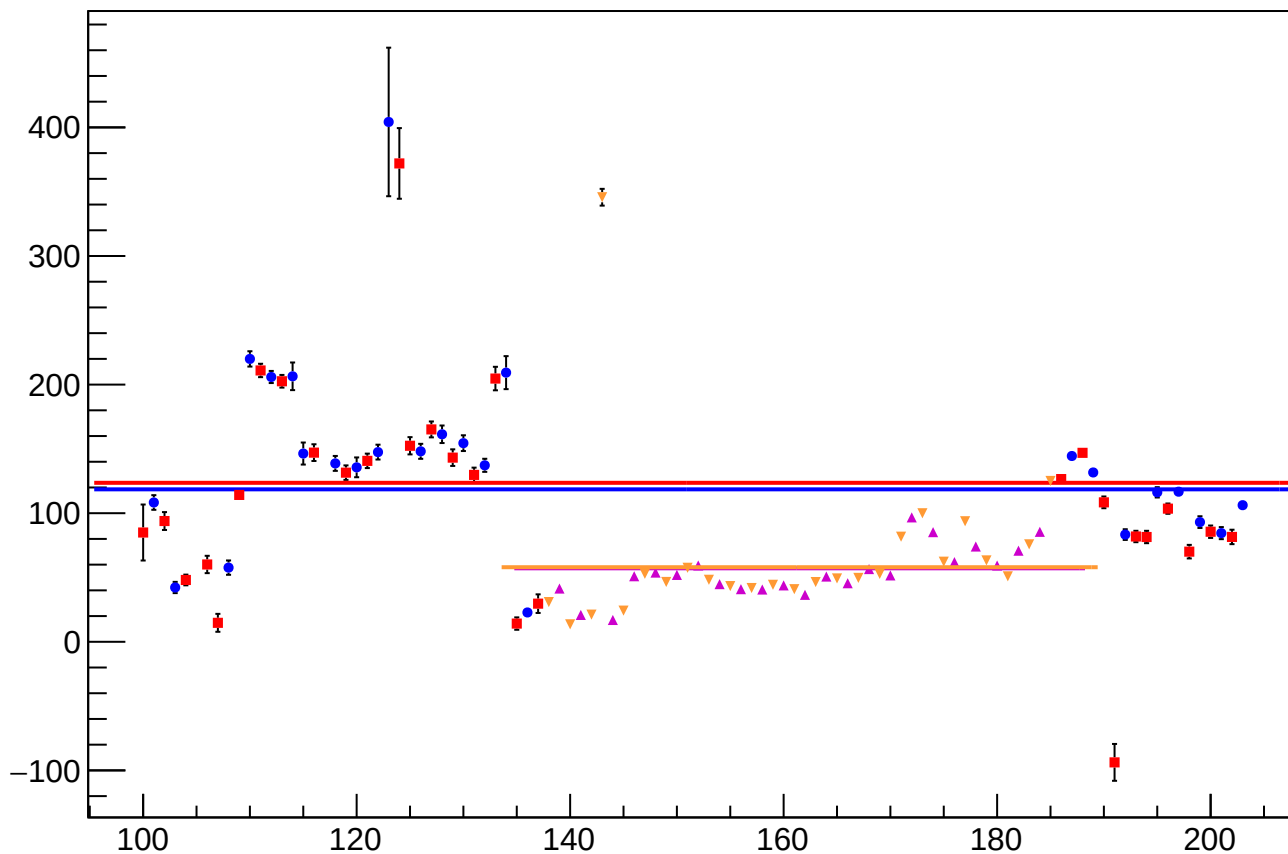
Left In: -6.337 ± 0.321 $\chi^2/\text{NDF}: 783.0/22$

+ sign -5.244 ± 0.289 $\chi^2/\text{NDF}: 1327.3/49$

All: -5.418 ± 0.204 $\chi^2/\text{NDF}: 2579.5/101$

- sign -5.591 ± 0.288 $\chi^2/\text{NDF}: 1251.5/51$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 118.547 $\pm$ 0.916 χ^2 /NDF: 2473.5/24

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 123.626 $\pm$ 0.707 χ^2 /NDF: 3172.5/28

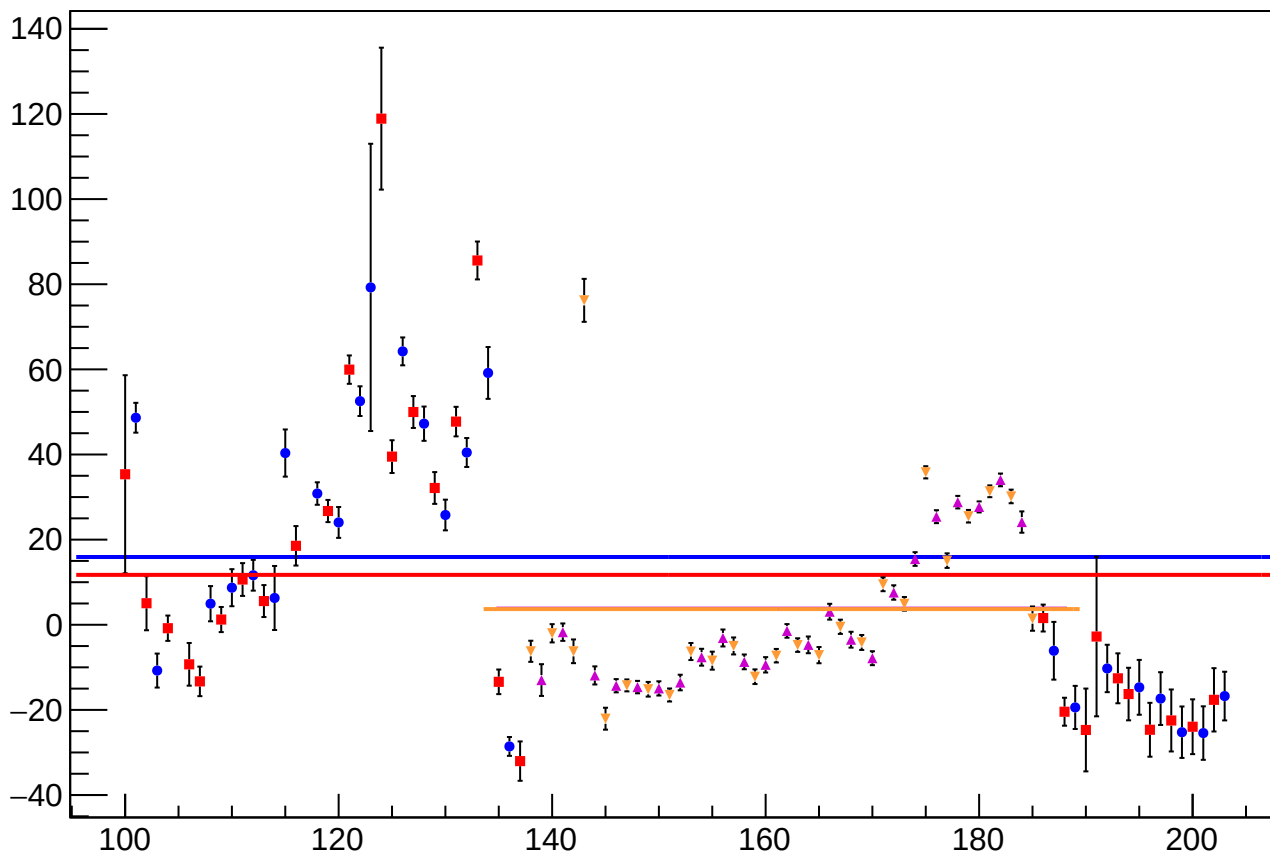
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 67.613 $\pm$ 0.365 χ^2 /NDF: 10789.2/49

All: 70.559 $\pm$ 0.252 χ^2 /NDF: 22593.0/101

- sign 73.235 $\pm$ 0.348 χ^2 /NDF: 11679.5/51

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 15.919 ± 0.828 χ^2/NDF : 1361.7/24

Left Out: 3.684 ± 0.357 χ^2/NDF : 2541.7/24

Right Out: 11.722 ± 0.776 χ^2/NDF : 1385.2/28

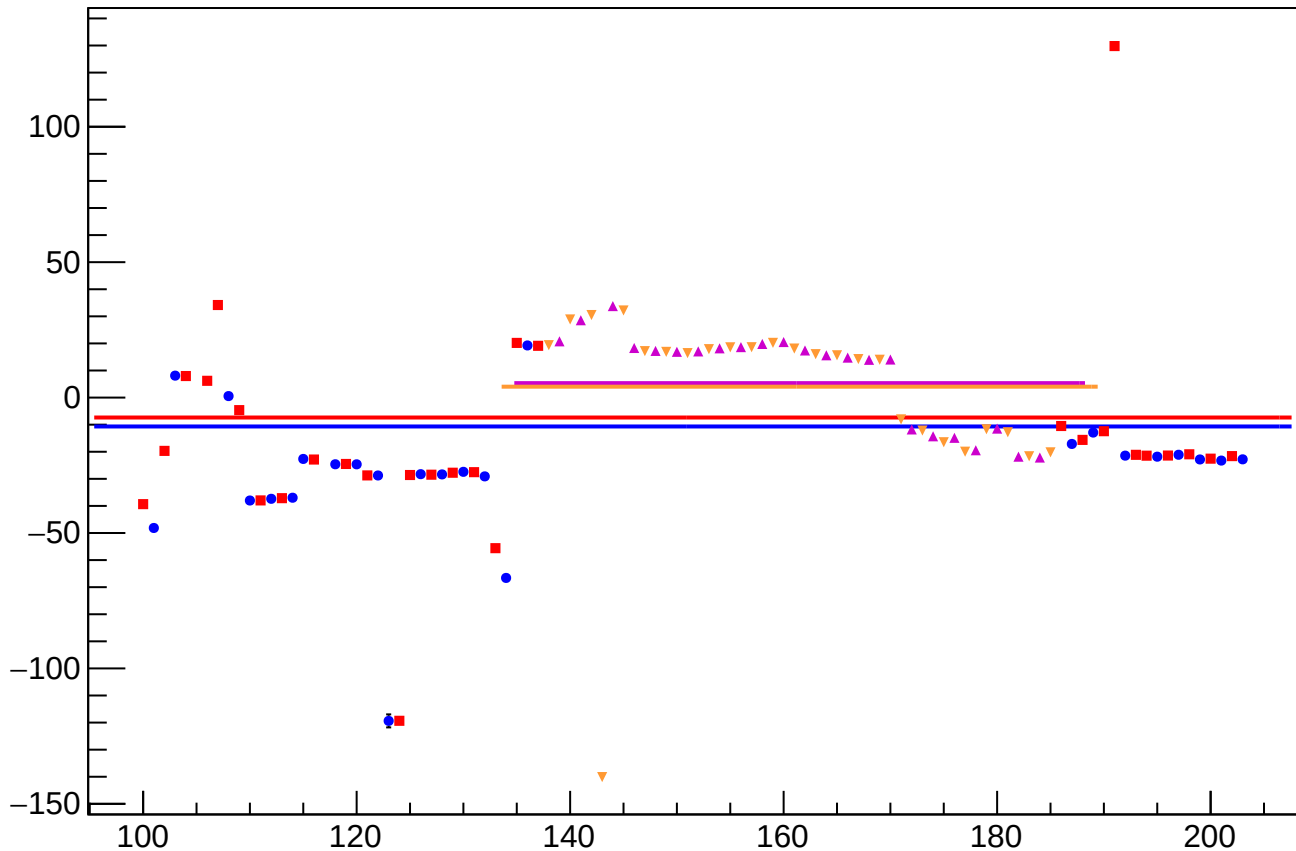
Left In: 3.786 ± 0.362 χ^2/NDF : 2198.8/22

+ sign 5.602 ± 0.328 χ^2/NDF : 4087.7/49

All: 5.402 ± 0.232 χ^2/NDF : 7758.3/101

- sign 5.203 ± 0.328 χ^2/NDF : 3669.9/51

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -10.665 ± 0.039 χ^2/NDF : 295929.1/24

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -7.357 ± 0.038 χ^2/NDF : 381397.5/28

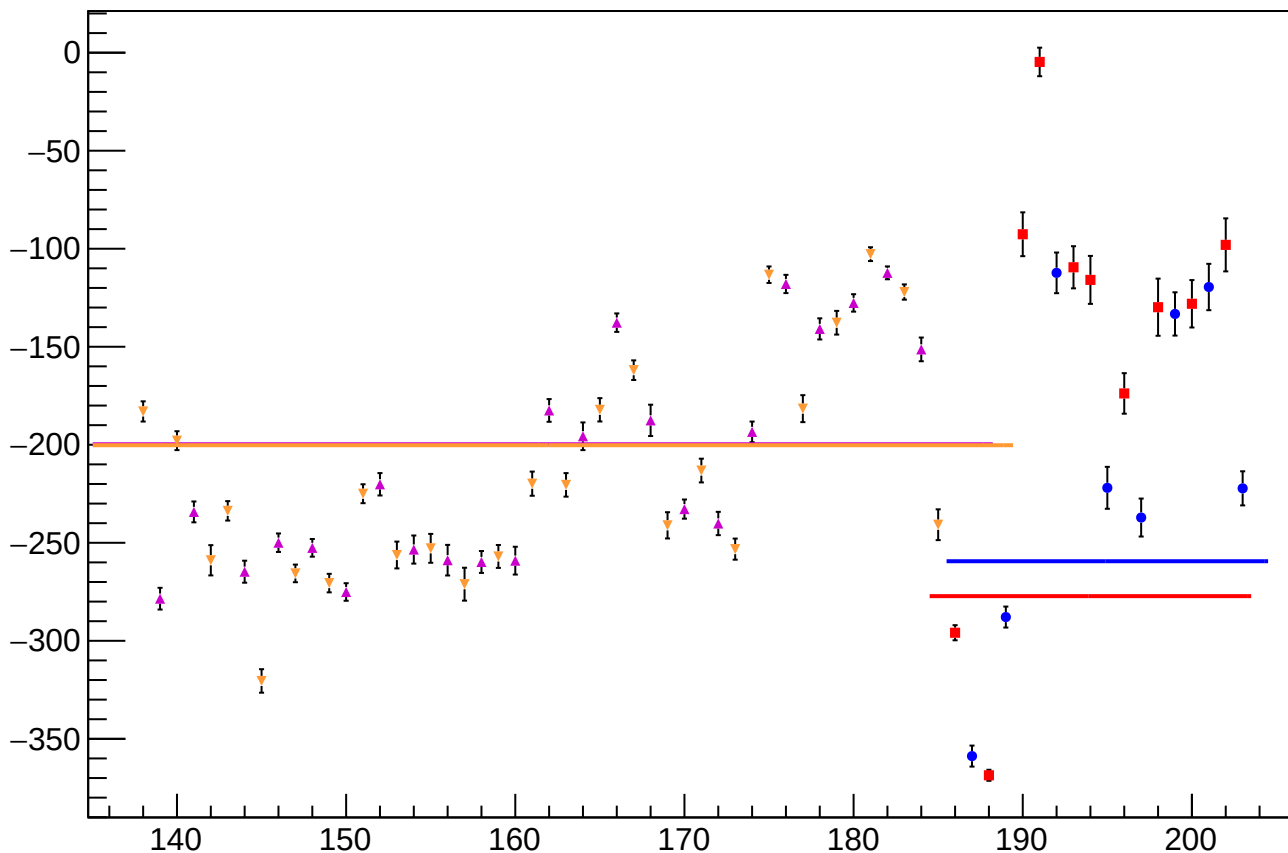
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.823 ± 0.015 χ^2/NDF : 1799910.2/49

All: 2.563 ± 0.011 χ^2/NDF : 3359758.1/101

- sign 3.298 ± 0.015 χ^2/NDF : 1555055.1/51

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -259.405 ± 2.805 χ^2/NDF : 880.3/7

Left Out: -200.228 ± 1.078 χ^2/NDF : 3225.0/24

Right Out: -277.214 ± 1.953 χ^2/NDF : 3700.9/9

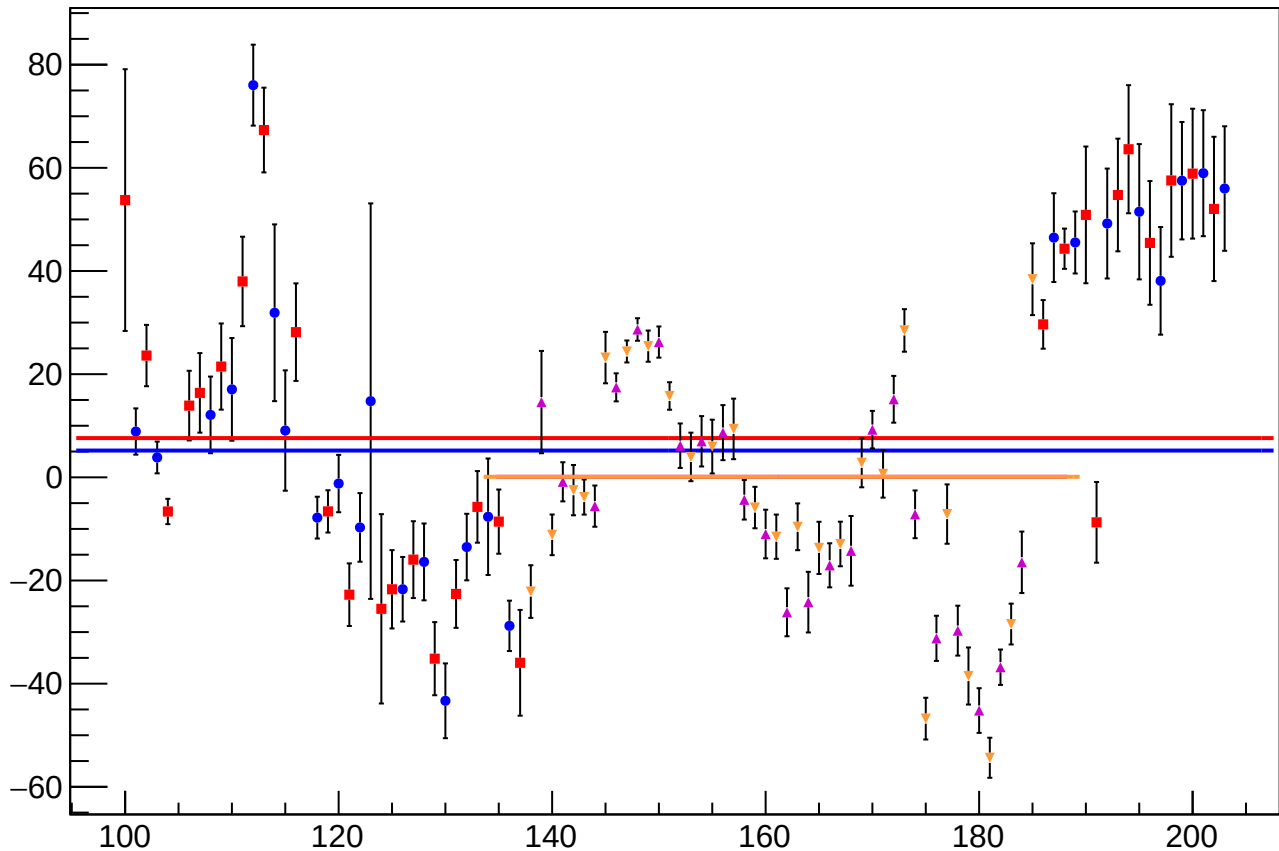
Left In: -199.739 ± 1.097 χ^2/NDF : 2968.0/22

+ sign -207.840 ± 1.006 χ^2/NDF : 4493.1/32

All: -213.353 ± 0.693 χ^2/NDF : 12415.7/65

- sign -218.338 ± 0.957 χ^2/NDF : 7865.4/32

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 5.194 ± 1.349 $\chi^2/\text{NDF}: 399.4/24$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 7.608 ± 1.210 $\chi^2/\text{NDF}: 482.6/28$

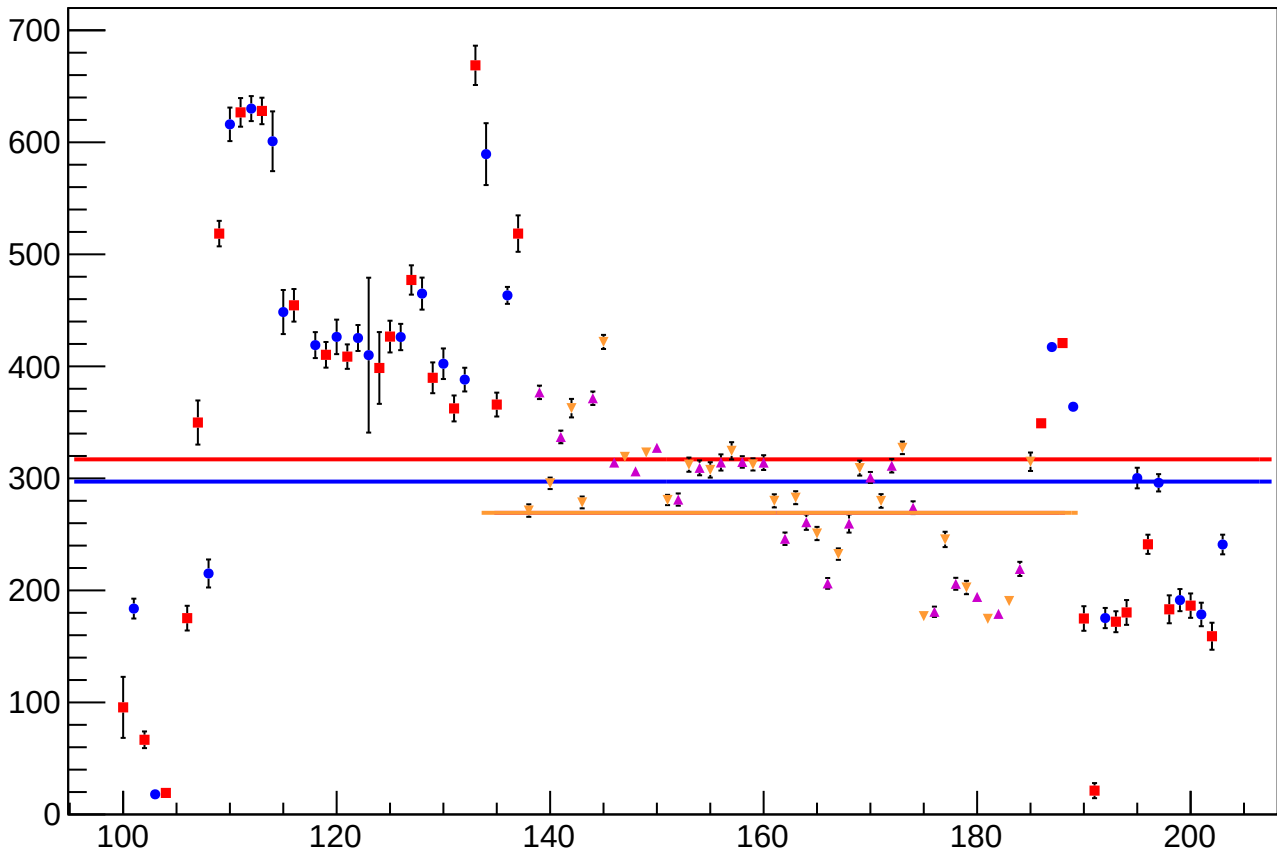
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 1.449 ± 0.693 $\chi^2/\text{NDF}: 1241.1/49$

All: 1.993 ± 0.488 $\chi^2/\text{NDF}: 2466.4/101$

- sign 2.530 ± 0.689 $\chi^2/\text{NDF}: 1224.0/51$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 297.143 $\pm$ 1.724 χ^2 /NDF: 9218.7/24

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 316.989 $\pm$ 1.345 χ^2 /NDF: 13930.2/28

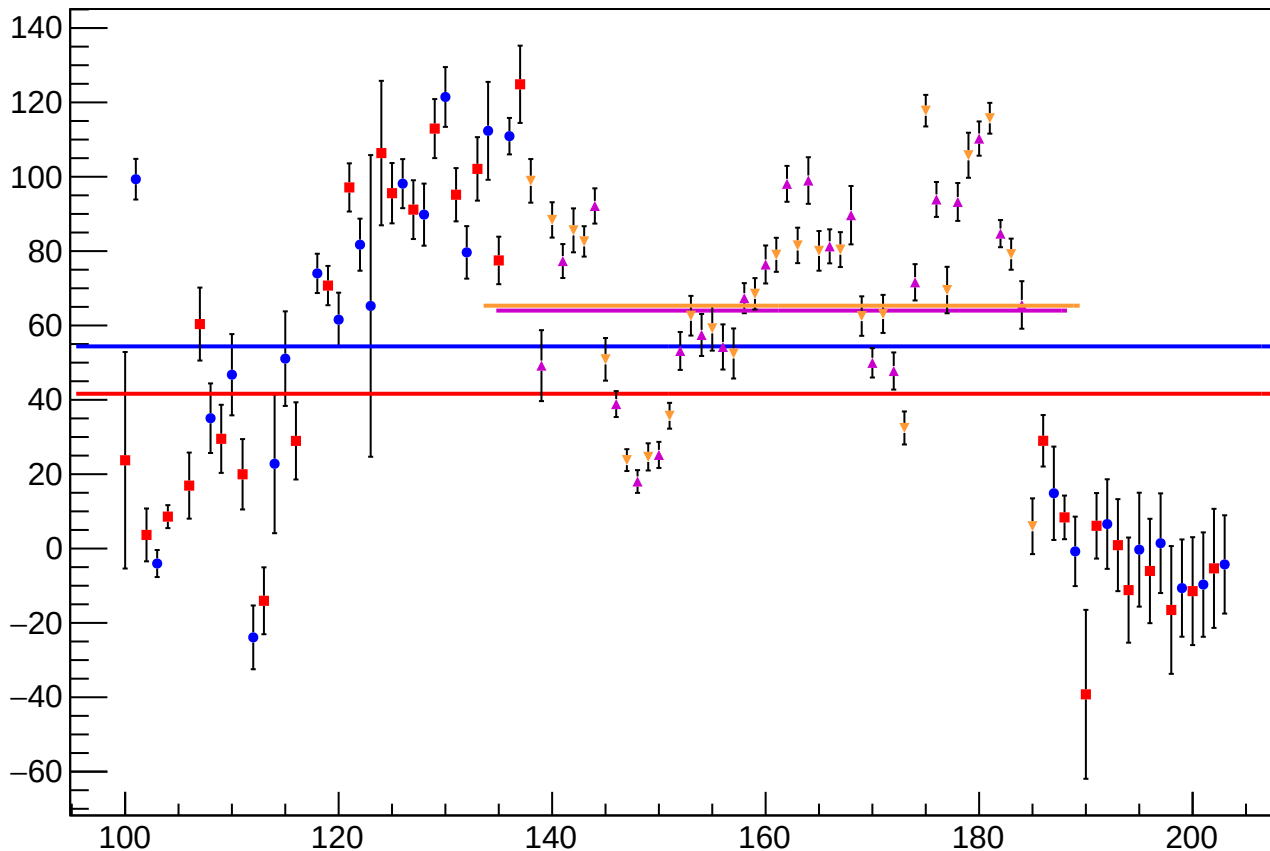
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 277.108 $\pm$ 0.914 χ^2 /NDF: 12553.2/49

All: 283.043 $\pm$ 0.621 χ^2 /NDF: 30493.8/101

- sign 288.145 $\pm$ 0.847 χ^2 /NDF: 17862.1/51

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 54.373 ± 1.584 $\chi^2/\text{NDF}: 897.1/24$

Left Out: 65.323 ± 0.935 $\chi^2/\text{NDF}: 1007.1/24$

Right Out: 41.635 ± 1.469 $\chi^2/\text{NDF}: 816.4/28$

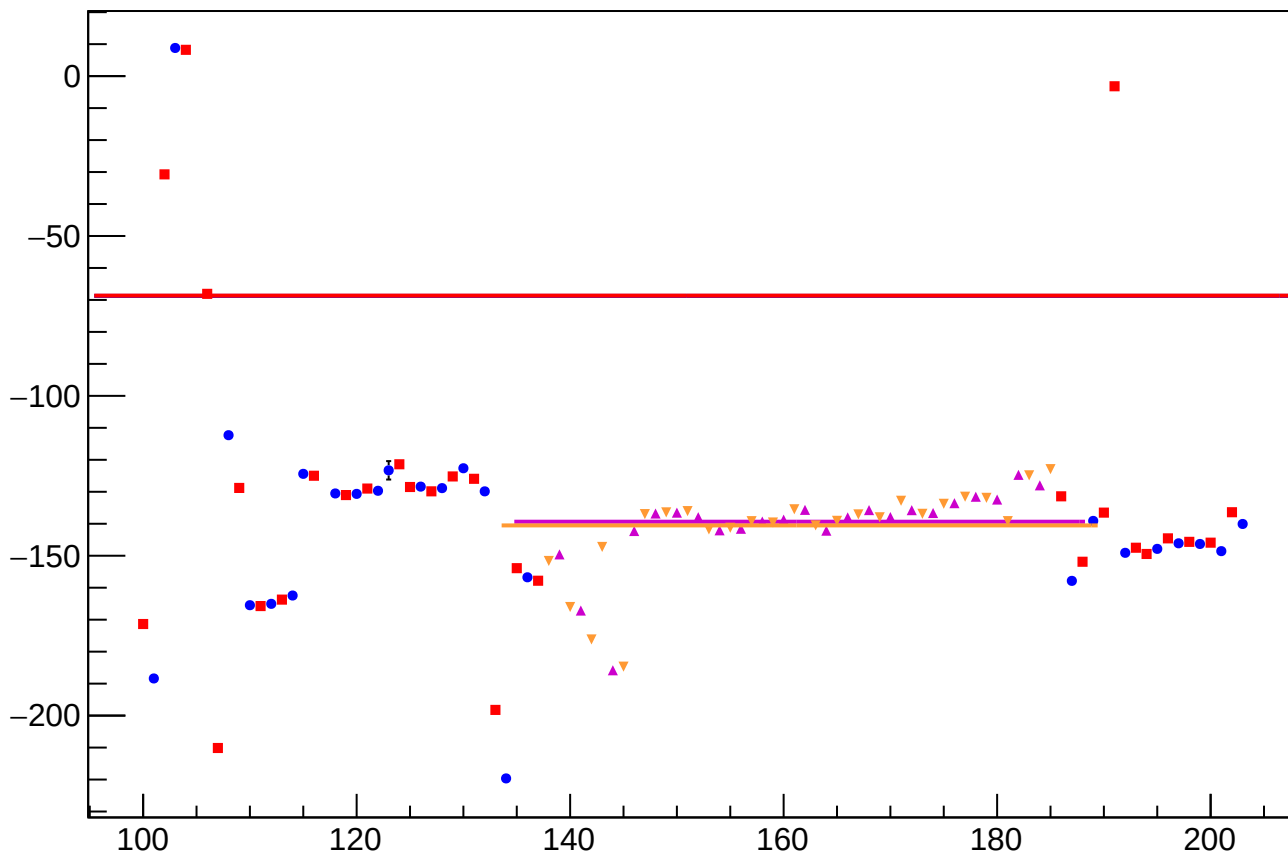
Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

+ sign 62.495 ± 0.805 $\chi^2/\text{NDF}: 1939.6/49$

All: 59.888 ± 0.569 $\chi^2/\text{NDF}: 3738.6/101$

- sign 57.279 ± 0.805 $\chi^2/\text{NDF}: 1778.0/51$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -68.734 ± 0.064 $\chi^2/\text{NDF}: 1516757.1/24$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -68.654 ± 0.062 $\chi^2/\text{NDF}: 1358849.5/28$

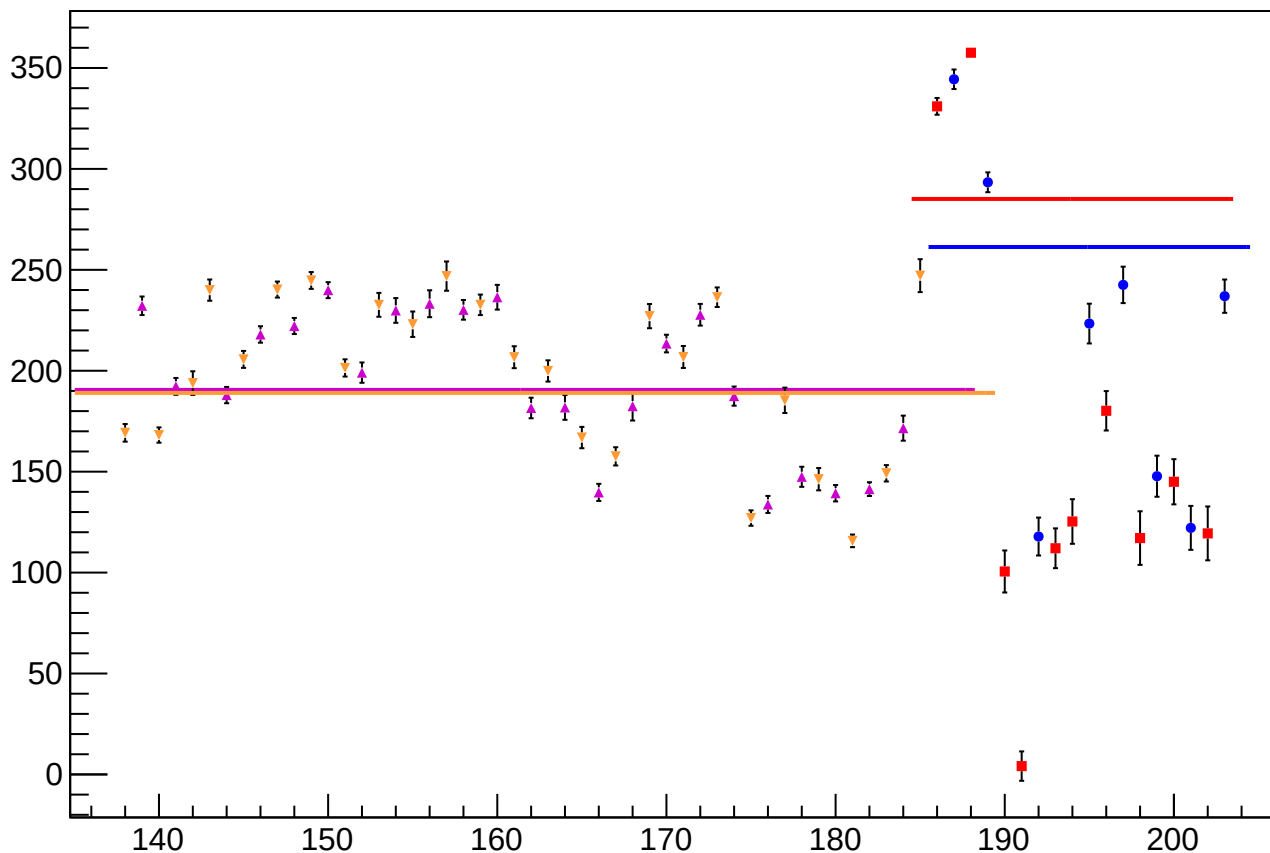
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.232 ± 0.037 $\chi^2/\text{NDF}: 2436373.6/49$

All: -116.141 ± 0.026 $\chi^2/\text{NDF}: 4707590.2/10$

- sign -115.059 ± 0.036 $\chi^2/\text{NDF}: 2269447.5/51$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 261.306 ± 2.575 $\chi^2/\text{NDF}: 886.3/7$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 285.117 ± 1.846 $\chi^2/\text{NDF}: 3866.6/9$

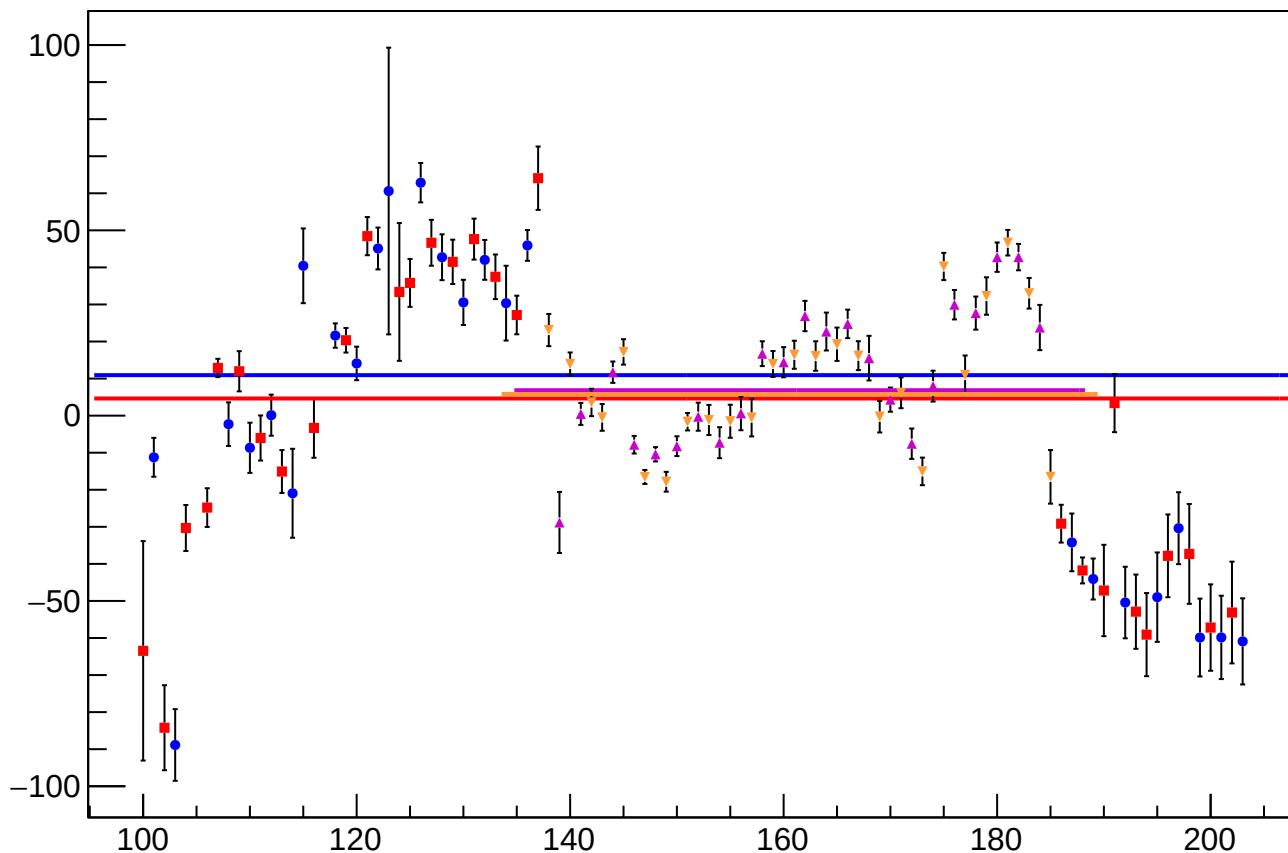
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 197.782 ± 0.896 $\chi^2/\text{NDF}: 3559.5/32$

All: 204.726 ± 0.621 $\chi^2/\text{NDF}: 11008.9/65$

- sign 211.152 ± 0.862 $\chi^2/\text{NDF}: 7333.8/32$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 10.928 ± 1.277 χ^2/NDF : 786.3/24

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 4.630 ± 1.085 χ^2/NDF : 891.7/28

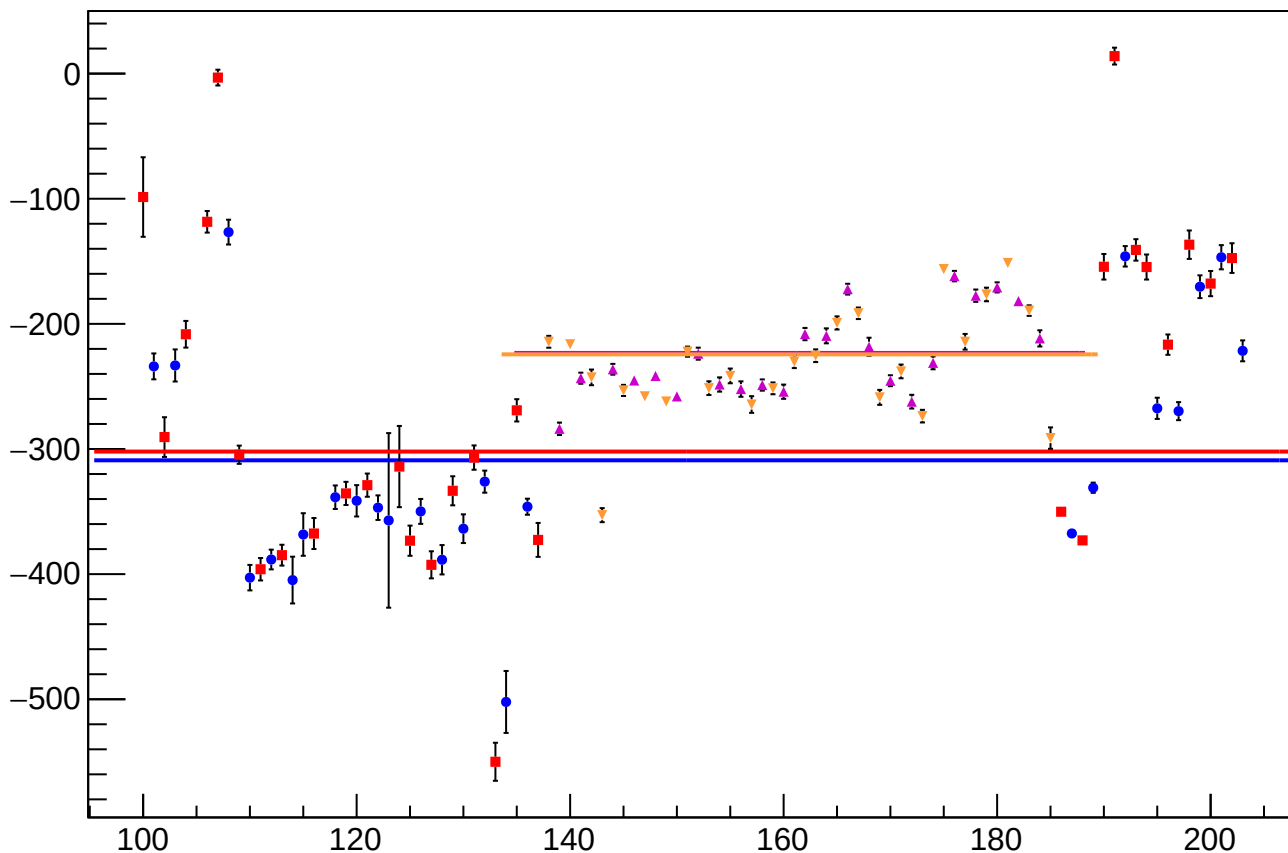
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 7.044 ± 0.622 χ^2/NDF : 1450.7/49

All: 6.592 ± 0.435 χ^2/NDF : 2869.0/101

- sign 6.158 ± 0.609 χ^2/NDF : 1417.3/51

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -309.049 ± 1.670 χ^2/NDF : 2185.4/24

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -302.058 ± 1.272 χ^2/NDF : 8591.1/28

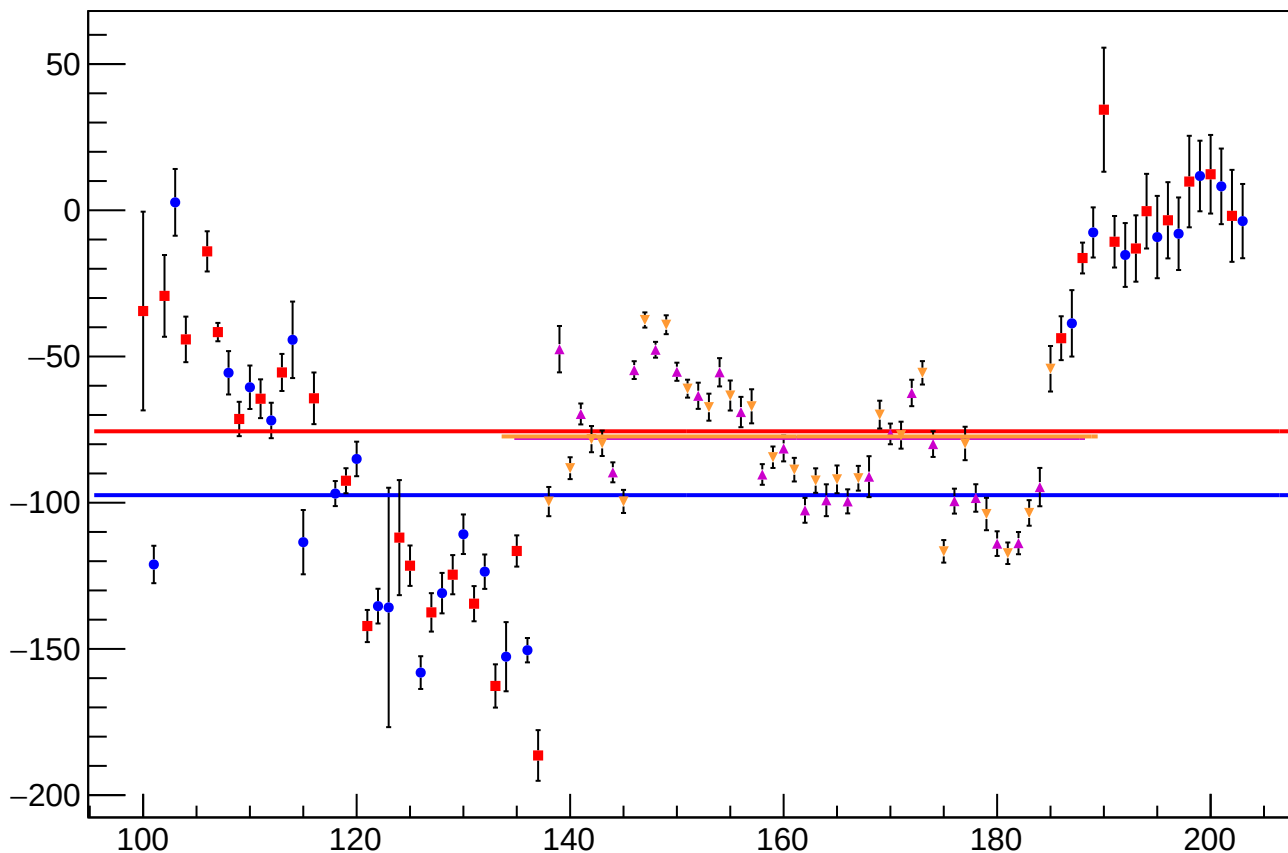
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -245.261 ± 0.830 χ^2/NDF : 6224.9/49

All: -248.971 ± 0.565 χ^2/NDF : 18552.3/101

- sign -252.174 ± 0.771 χ^2/NDF : 12290.2/51

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -97.419 ± 1.490 $\chi^2/\text{NDF}: 1065.5/24$

Left Out: -77.343 ± 0.827 $\chi^2/\text{NDF}: 846.2/24$

Right Out: -75.579 ± 1.304 $\chi^2/\text{NDF}: 1465.6/28$

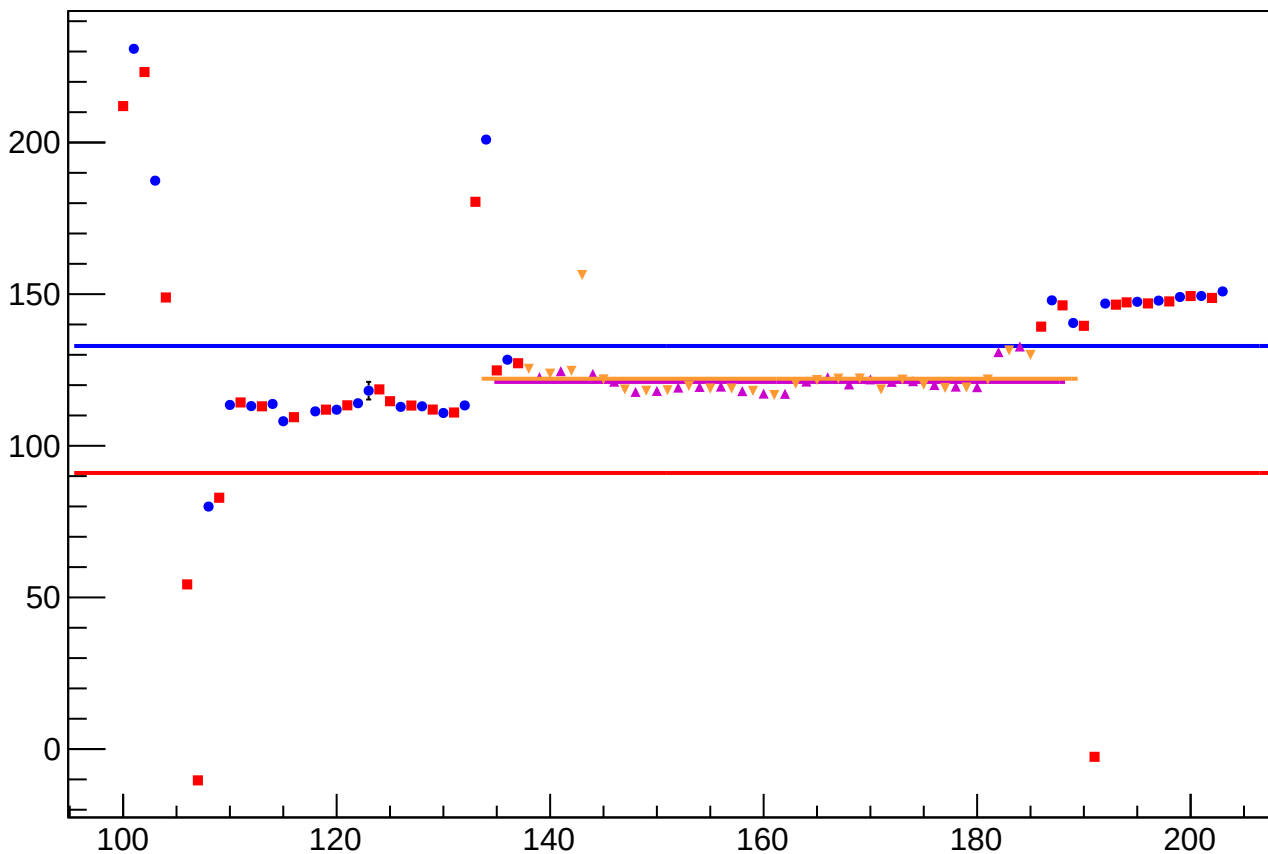
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -82.069 ± 0.723 $\chi^2/\text{NDF}: 2050.6/49$

All: -79.578 ± 0.507 $\chi^2/\text{NDF}: 4164.4/101$

- sign -77.166 ± 0.711 $\chi^2/\text{NDF}: 2090.5/51$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug

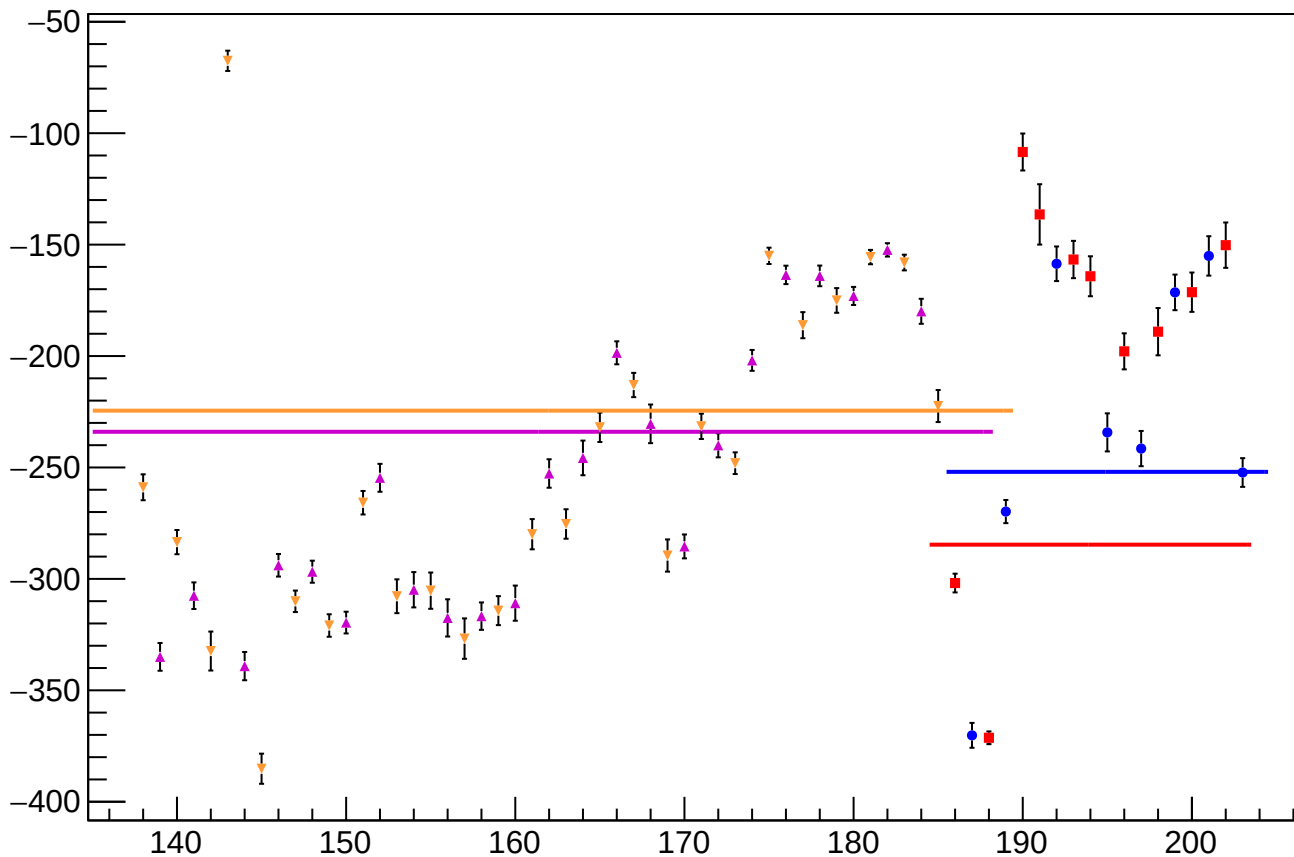


Right In: 132.909 $\pm$ 0.076 χ^2 /NDF: 202086.0/24
 Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24
 Right Out: 91.042 $\pm$ 0.063 χ^2 /NDF: 1099957.5/28
 Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 124.394 $\pm$ 0.035 χ^2 /NDF: 248368.0/49
 - sign 112.592 $\pm$ 0.034 χ^2 /NDF: 1268756.1/51

All: 118.262 $\pm$ 0.024 χ^2 /NDF: 1576150.6/102

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -251.965 ± 2.440 χ^2/NDF : 832.5/7

Left Out: -224.501 ± 1.079 χ^2/NDF : 4870.6/24

Right Out: -284.646 ± 1.914 χ^2/NDF : 2461.1/9

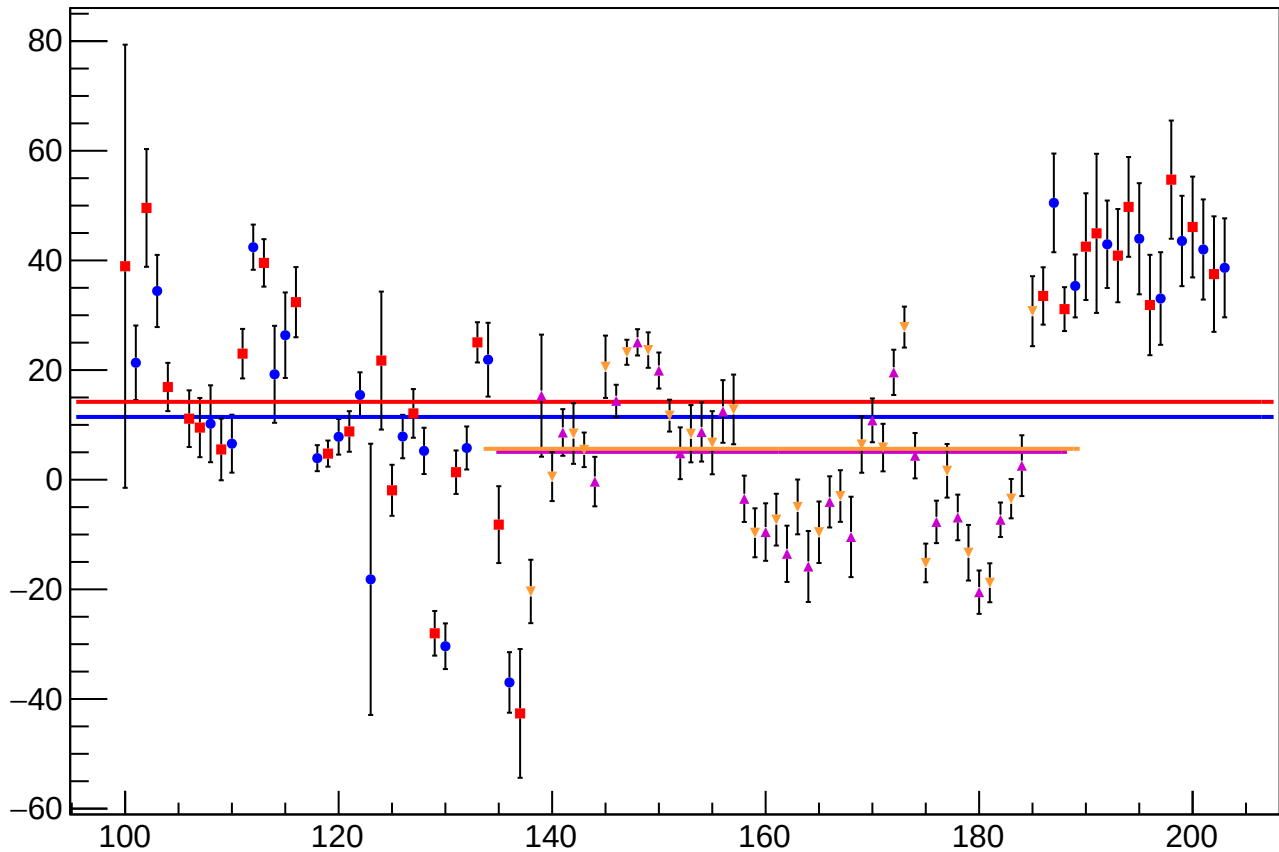
Left In: -233.988 ± 1.109 χ^2/NDF : 3538.4/22

+ sign -228.993 ± 0.987 χ^2/NDF : 5809.0/32

All: -238.102 ± 0.688 χ^2/NDF : 12498.7/65

- sign -246.710 ± 0.959 χ^2/NDF : 6523.9/32

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 11.448 ± 1.031 $\chi^2/\text{NDF}: 379.0/24$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 14.204 ± 0.976 $\chi^2/\text{NDF}: 356.4/28$

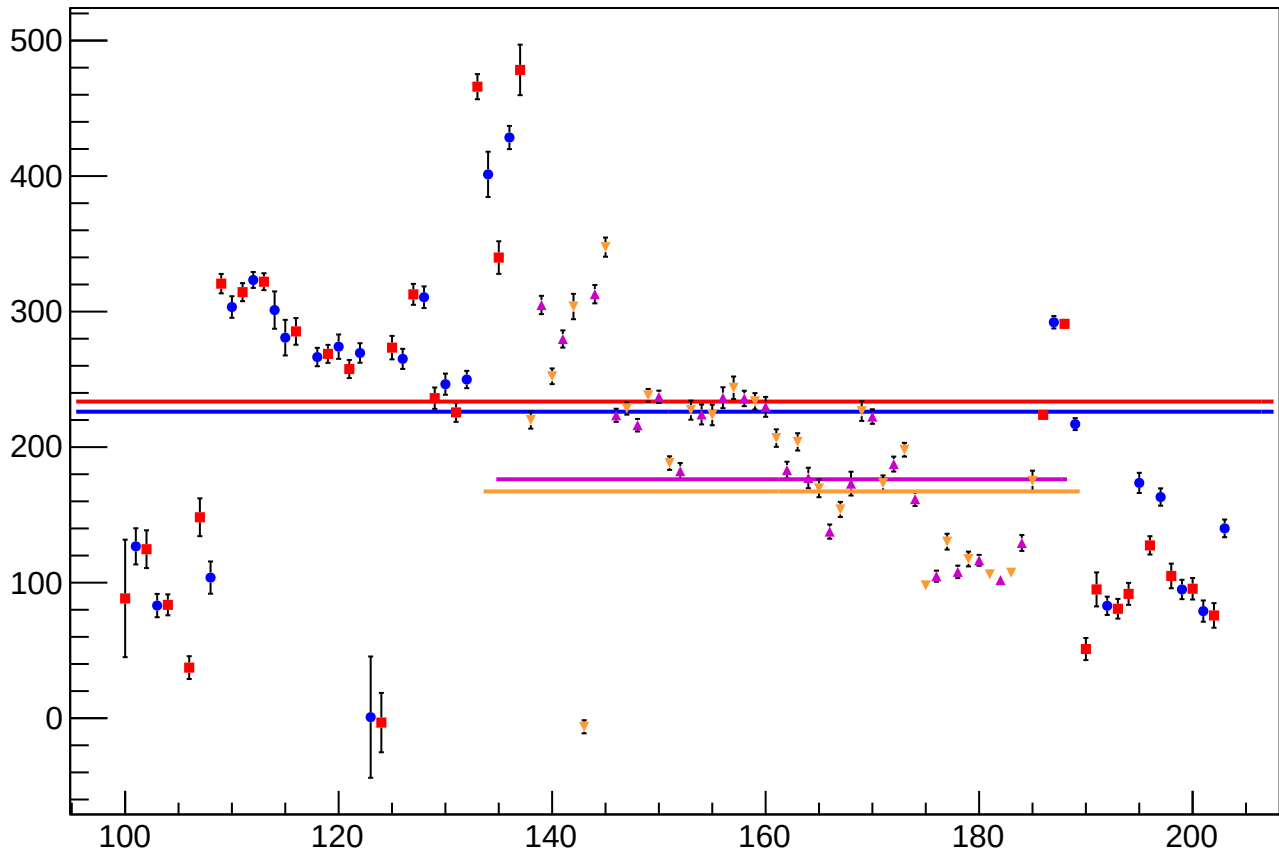
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 7.914 ± 0.646 $\chi^2/\text{NDF}: 711.9/49$

All: 8.511 ± 0.458 $\chi^2/\text{NDF}: 1358.6/101$

- sign 9.114 ± 0.649 $\chi^2/\text{NDF}: 644.9/51$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 226.134 $\pm$ 1.490 χ^2 /NDF: 3479.3/24

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 233.624 $\pm$ 1.241 χ^2 /NDF: 5767.3/28

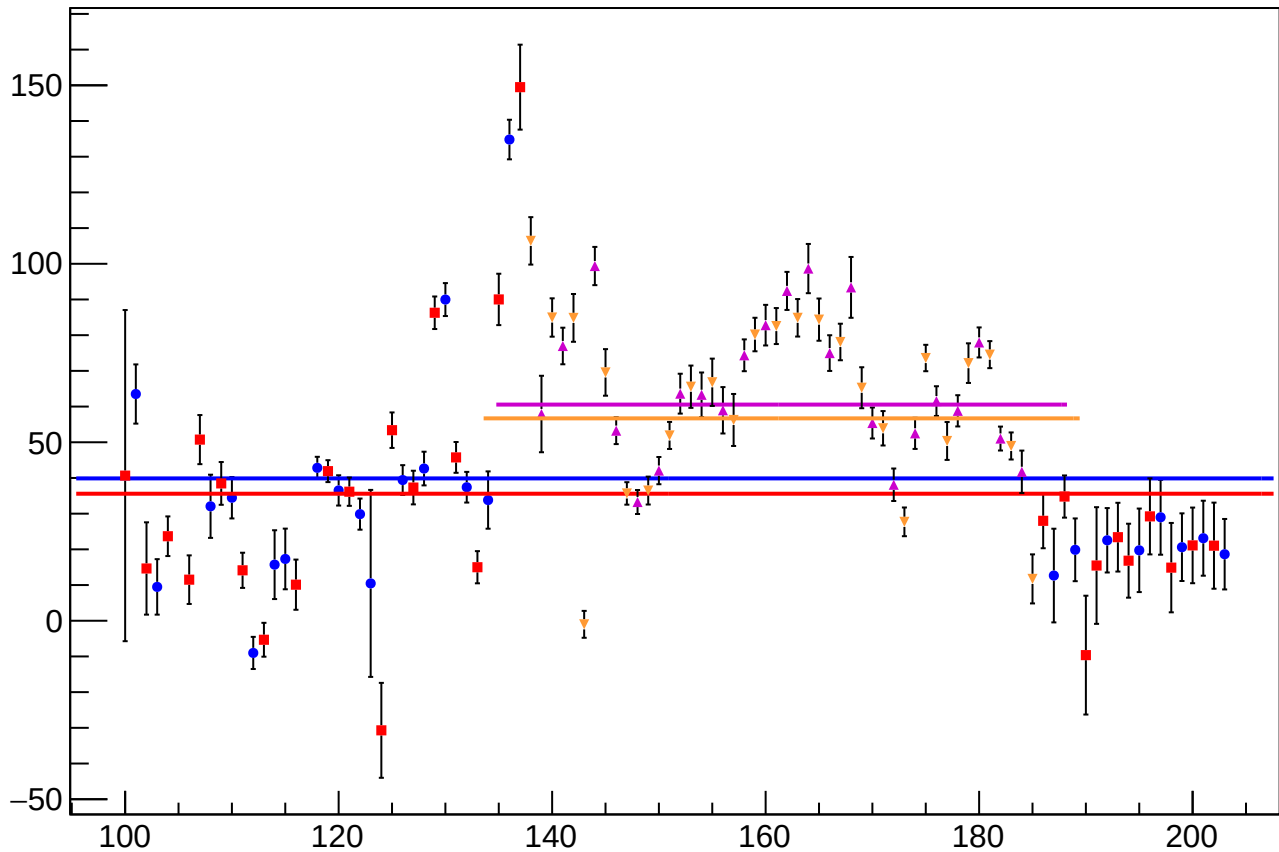
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 187.638 $\pm$ 0.876 χ^2 /NDF: 8953.1/49

All: 195.064 $\pm$ 0.601 χ^2 /NDF: 19216.6/101

- sign 201.661 $\pm$ 0.825 χ^2 /NDF: 10127.7/51

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 39.875 ± 1.203 χ^2/NDF : 605.1/24

Left Out: 56.695 ± 0.952 χ^2/NDF : 690.4/24

Right Out: 35.586 ± 1.149 χ^2/NDF : 493.6/28

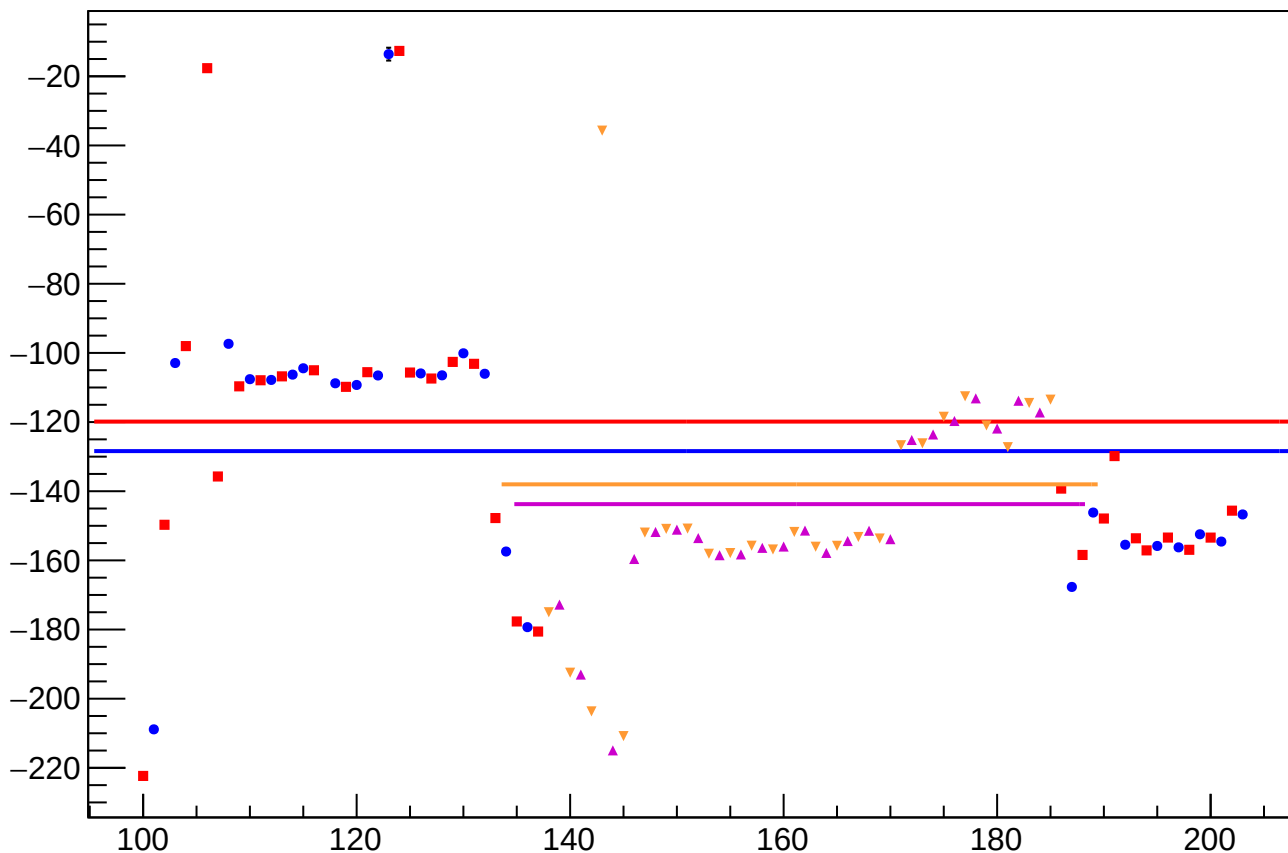
Left In: 60.555 ± 0.990 χ^2/NDF : 335.6/22

+ sign 50.217 ± 0.746 χ^2/NDF : 1415.8/49

All: 50.066 ± 0.529 χ^2/NDF : 2516.1/101

- sign 49.913 ± 0.750 χ^2/NDF : 1100.3/51

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -128.397 ± 0.066 $\chi^2/\text{NDF}: 205000.4/24$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -119.862 ± 0.061 $\chi^2/\text{NDF}: 449700.3/28$

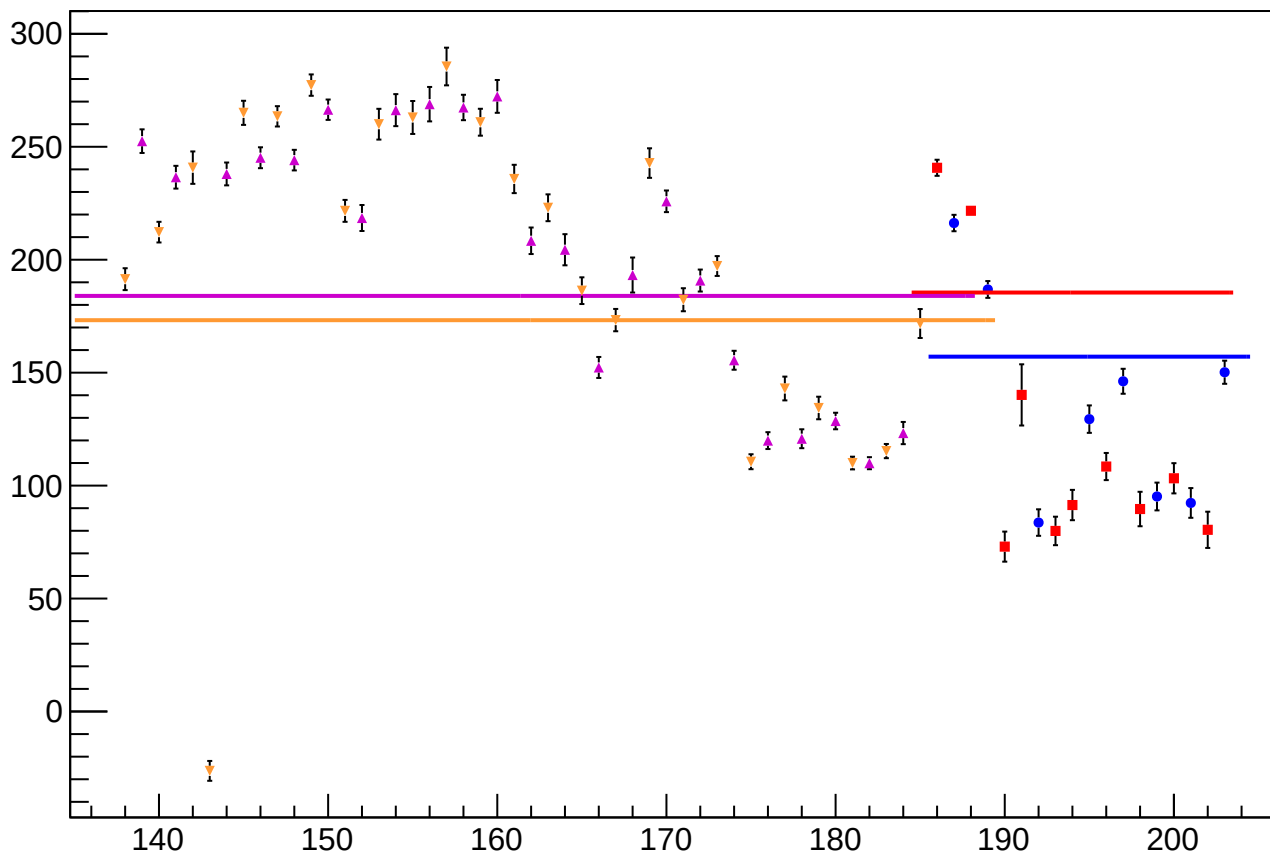
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -134.930 ± 0.037 $\chi^2/\text{NDF}: 785295.9/49$

All: -134.976 ± 0.026 $\chi^2/\text{NDF}: 1591316.3/10$

- sign -135.020 ± 0.037 $\chi^2/\text{NDF}: 806017.4/51$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 157.086 $\pm$ 1.755 χ^2 /NDF: 710.7/7

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF: 5846.0/24

Right Out: 185.473 $\pm$ 1.380 χ^2 /NDF: 2036.1/9

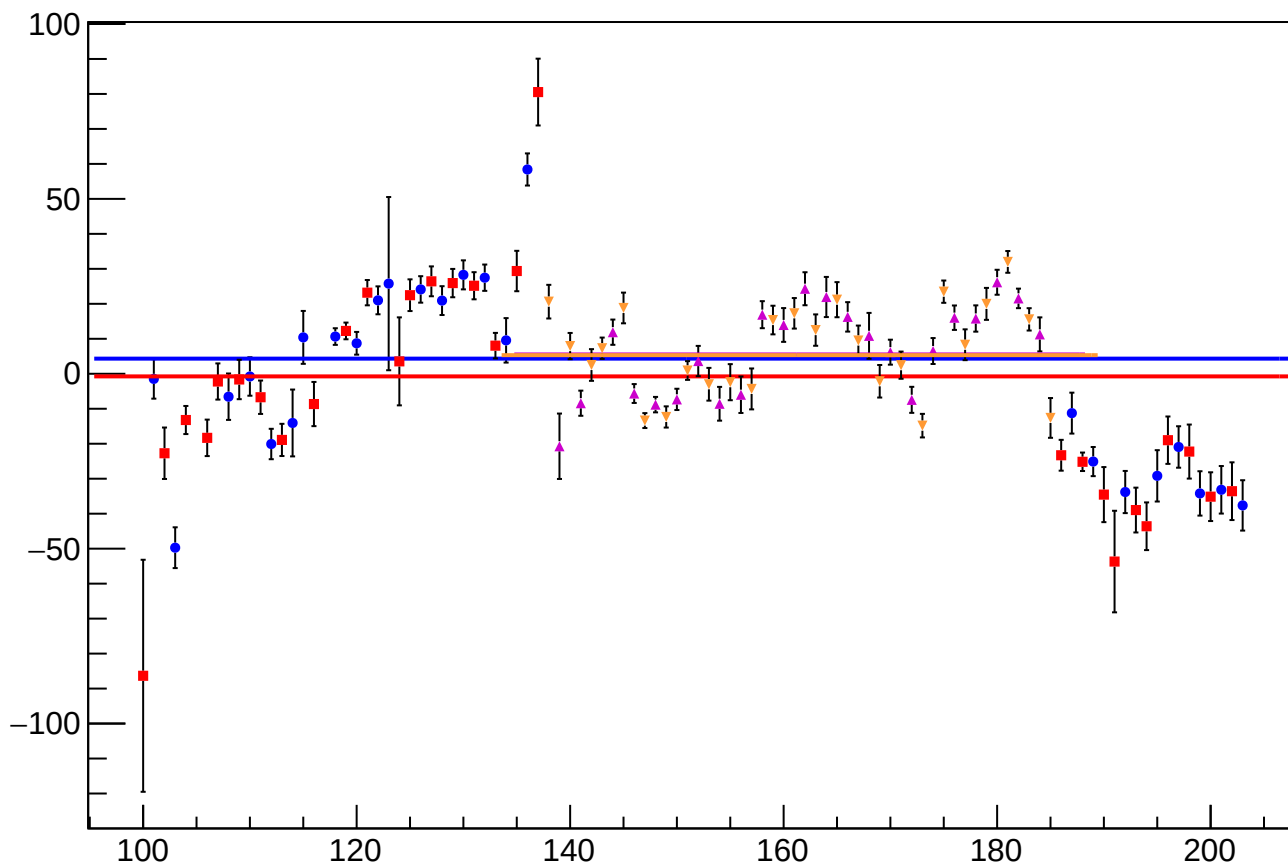
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF: 3613.7/22

+ sign 169.478 $\pm$ 0.846 χ^2 /NDF: 6621.6/32

All: 177.357 $\pm$ 0.583 χ^2 /NDF: 12437.4/65

- sign 184.491 $\pm$ 0.805 χ^2 /NDF: 5650.5/32

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 4.326 ± 0.957 χ^2/NDF : 644.8/24

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -0.750 ± 0.897 χ^2/NDF : 662.8/28

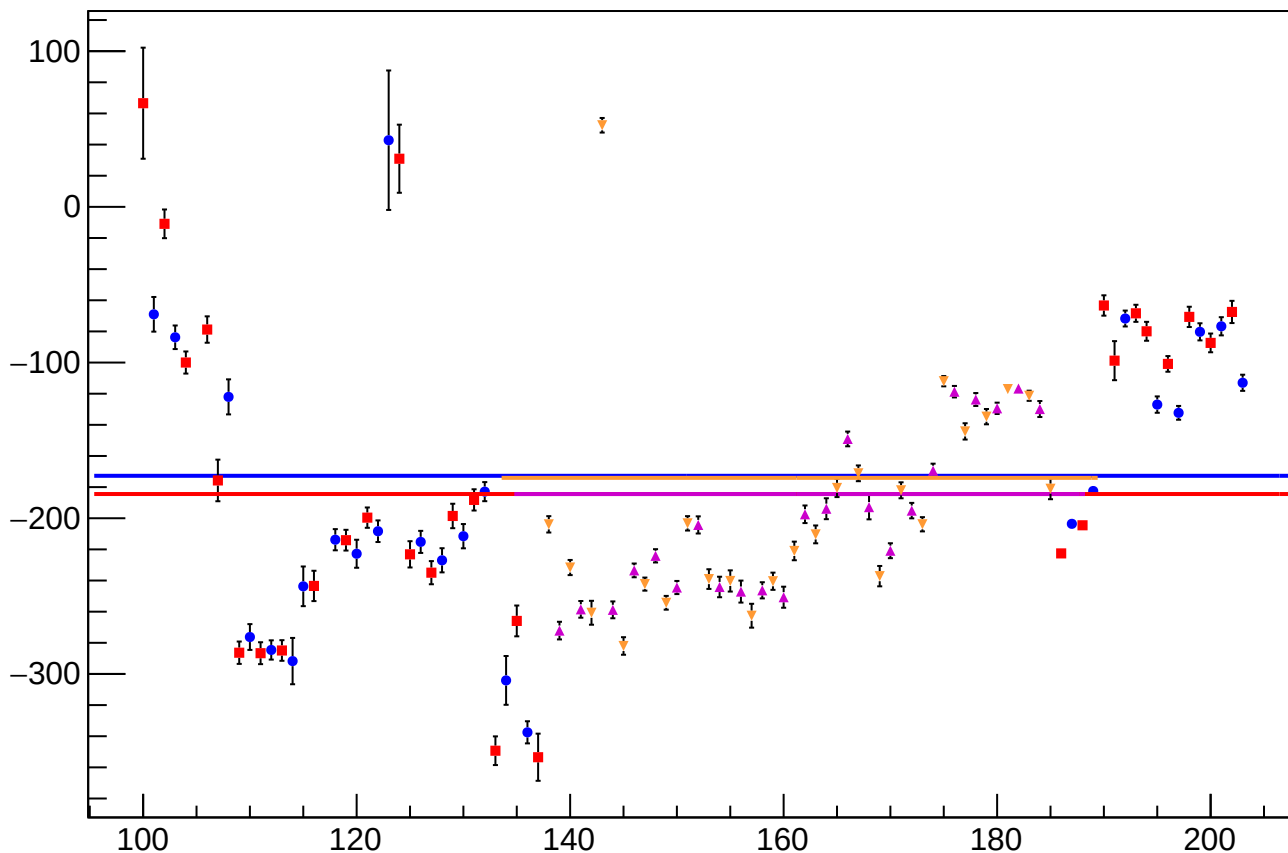
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 4.945 ± 0.589 χ^2/NDF : 991.0/49

All: 3.881 ± 0.416 χ^2/NDF : 1944.6/101

- sign 2.819 ± 0.589 χ^2/NDF : 947.0/51

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.730 ± 1.209 χ^2/NDF : 3013.4/24

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -184.437 ± 0.981 χ^2/NDF : 4691.0/28

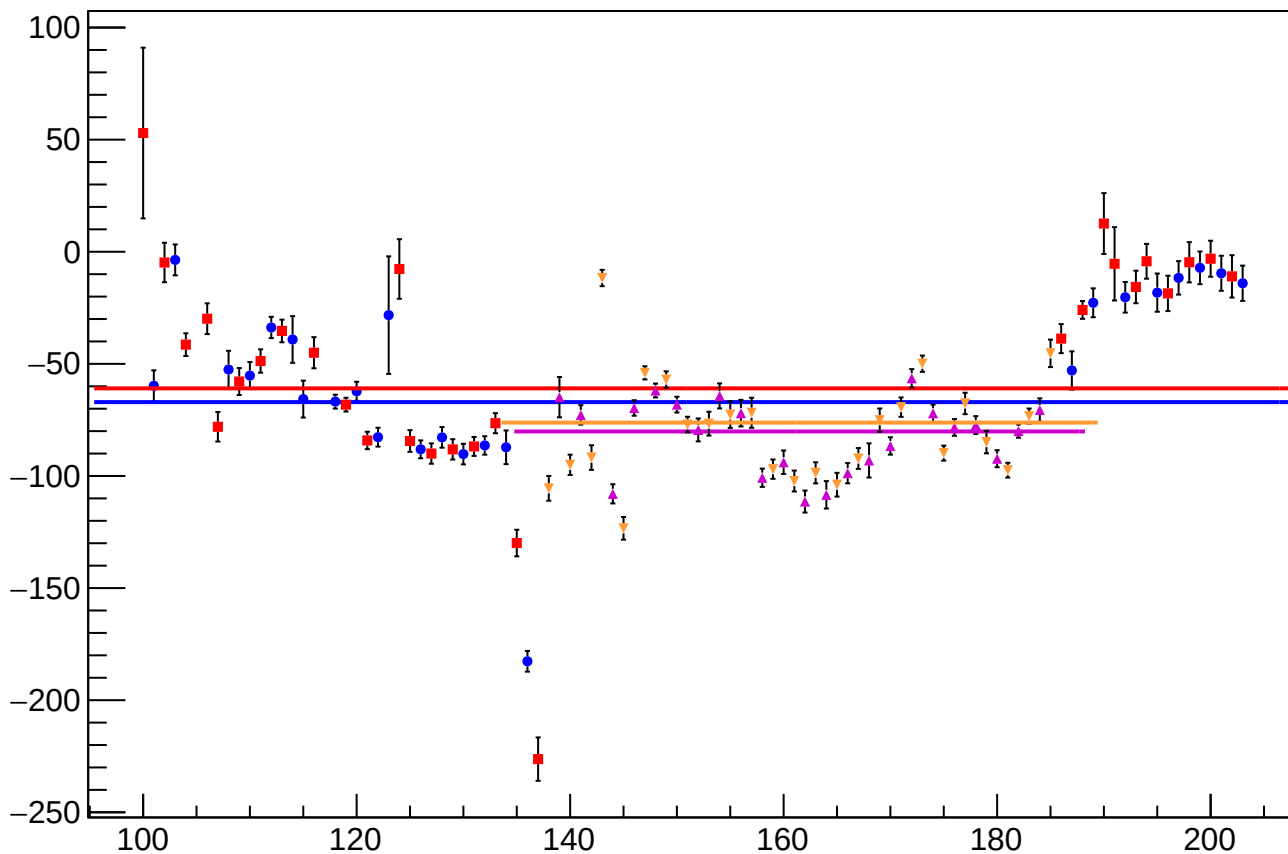
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -173.539 ± 0.757 χ^2/NDF : 8457.4/49

All: -179.441 ± 0.513 χ^2/NDF : 16312.3/101

- sign -184.446 ± 0.697 χ^2/NDF : 7742.6/51

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.058 ± 1.123 $\chi^2/\text{NDF}: 1240.7/24$

Left Out: -76.182 ± 0.857 $\chi^2/\text{NDF}: 801.0/24$

Right Out: -60.934 ± 1.071 $\chi^2/\text{NDF}: 1134.8/28$

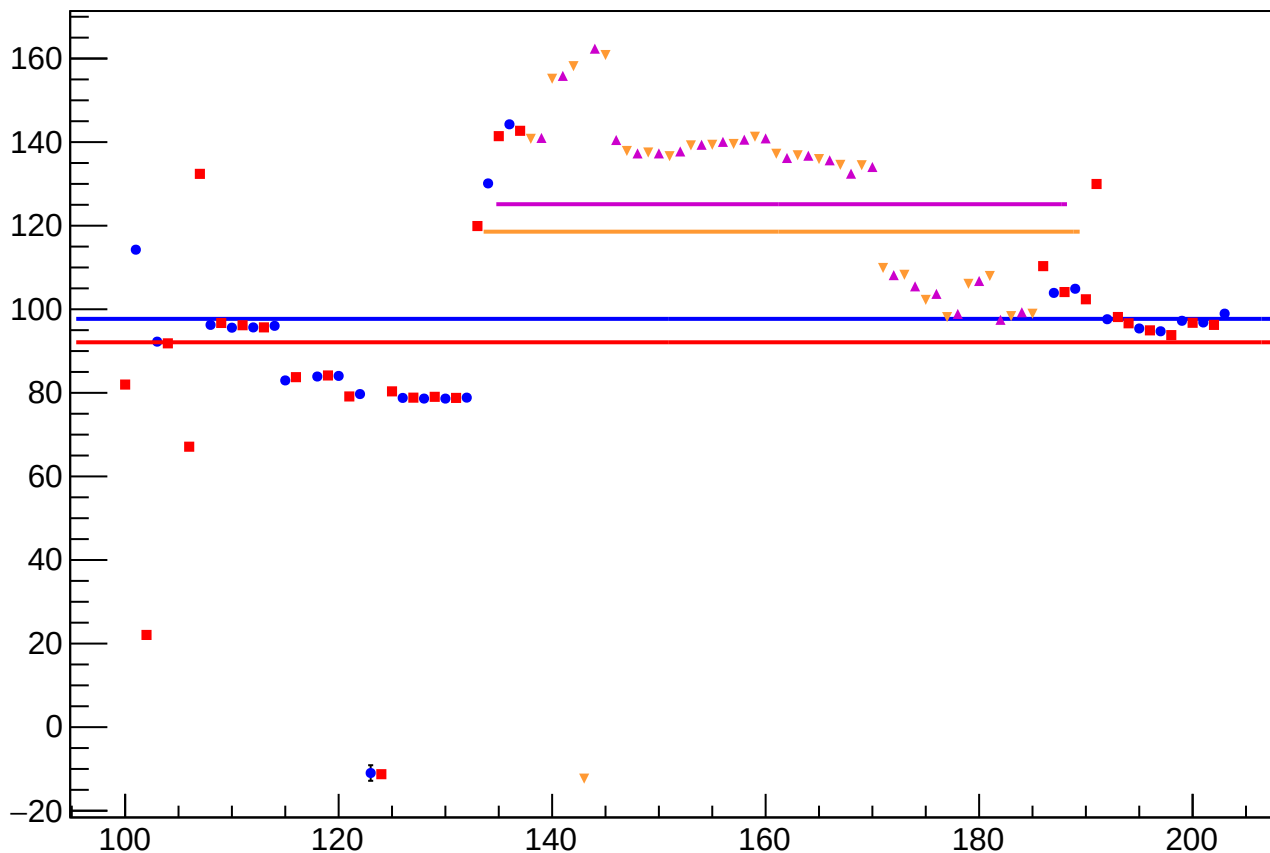
Left In: -80.149 ± 0.889 $\chi^2/\text{NDF}: 283.3/22$

+ sign -72.821 ± 0.681 $\chi^2/\text{NDF}: 2083.4/49$

All: -72.565 ± 0.483 $\chi^2/\text{NDF}: 3692.4/101$

- sign -72.307 ± 0.684 $\chi^2/\text{NDF}: 1608.7/51$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.703 ± 0.057 $\chi^2/\text{NDF}: 94881.5/24$

Left Out: 118.569 ± 0.040 $\chi^2/\text{NDF}: 728689.7/24$

Right Out: 92.098 ± 0.053 $\chi^2/\text{NDF}: 240542.9/28$

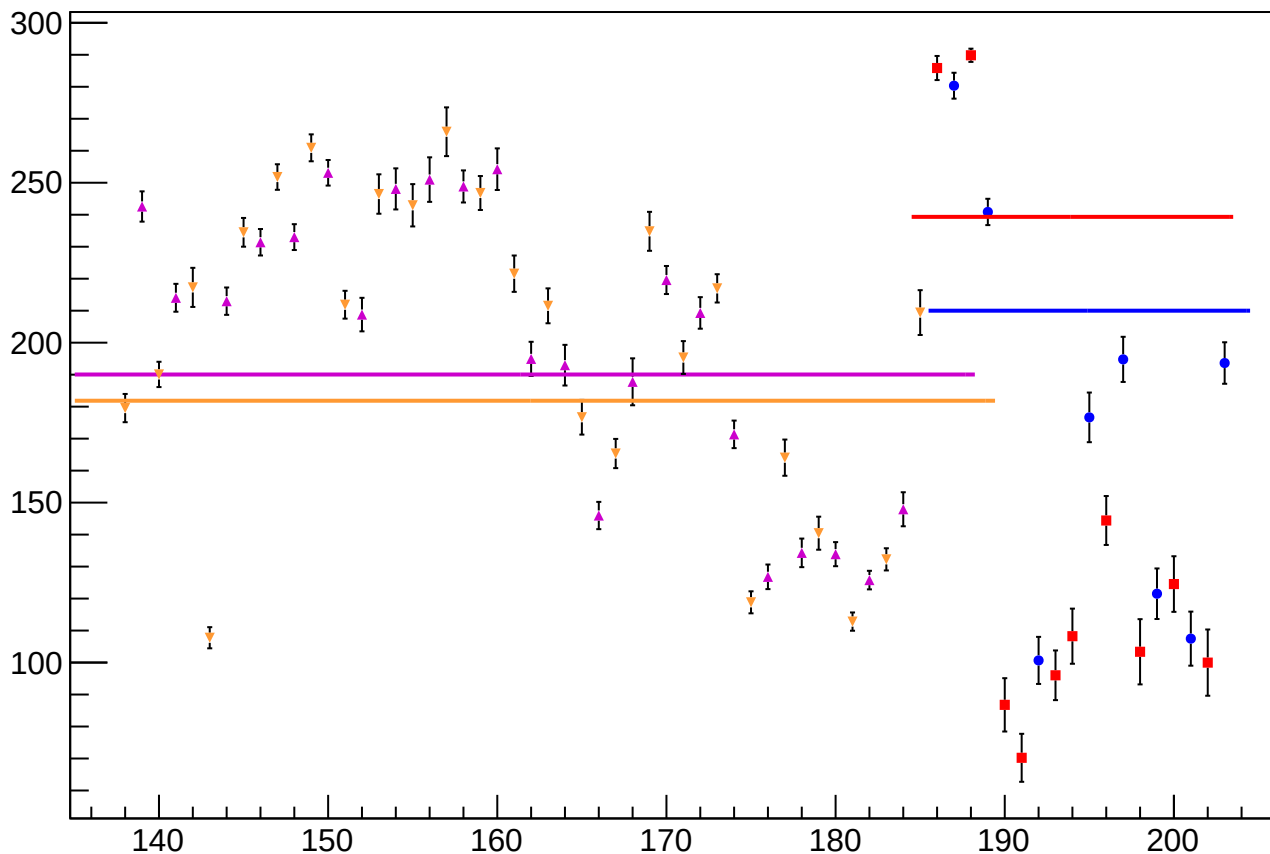
Left In: 125.139 ± 0.041 $\chi^2/\text{NDF}: 220927.1/22$

+ sign 111.607 ± 0.033 $\chi^2/\text{NDF}: 912165.7/49$

All: 112.150 ± 0.023 $\chi^2/\text{NDF}: 1615768.5/103$

- sign 112.677 ± 0.033 $\chi^2/\text{NDF}: 703071.1/51$

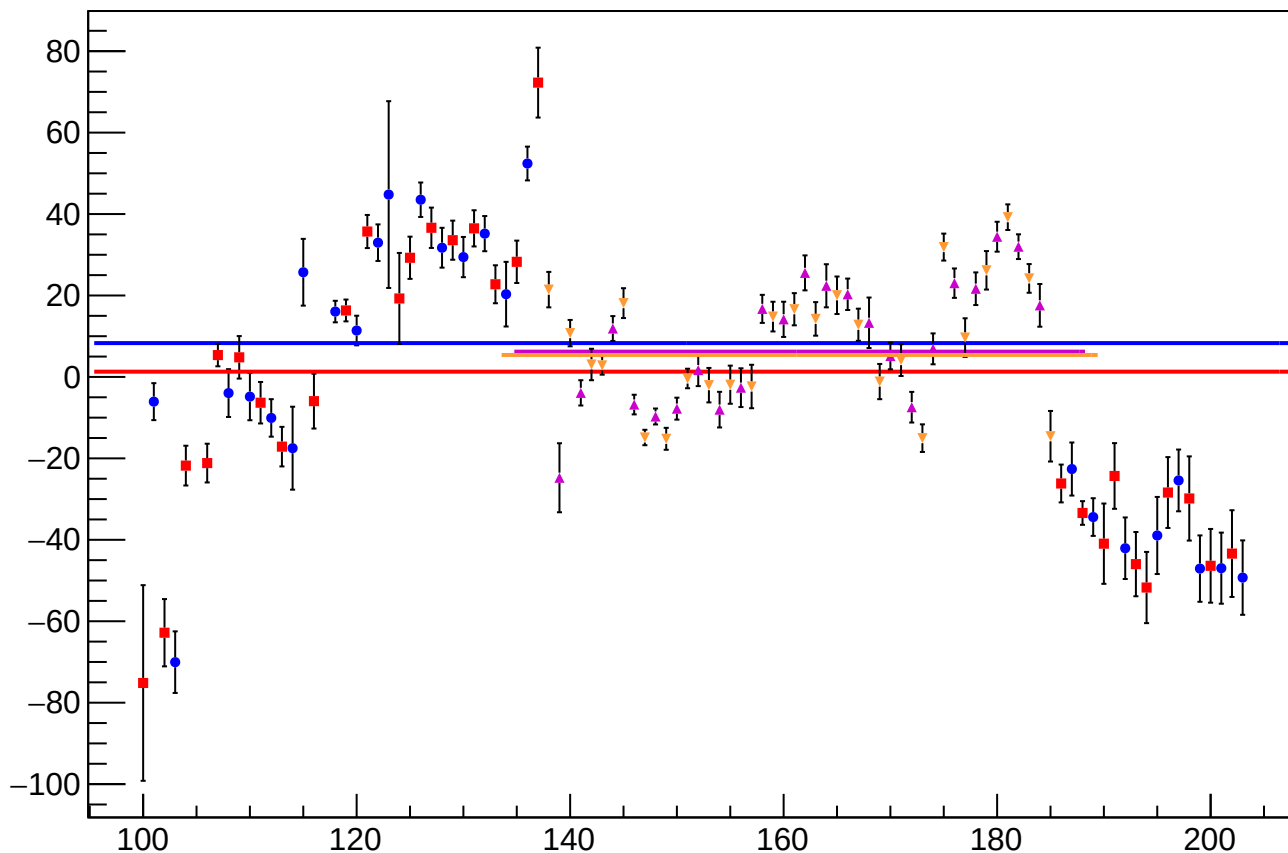
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 209.998 $\pm$ 2.089 χ^2 /NDF: 881.1/7
 Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24
 Right Out: 239.331 $\pm$ 1.551 χ^2 /NDF: 2851.7/9
 Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 186.366 $\pm$ 0.837 χ^2 /NDF: 4336.9/32
 All: 195.221 $\pm$ 0.583 χ^2 /NDF: 10577.4/65
 - sign 203.554 $\pm$ 0.812 χ^2 /NDF: 6023.2/32

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 8.308 ± 1.060 χ^2/NDF : 783.2/24

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: 1.292 ± 0.948 χ^2/NDF : 890.2/28

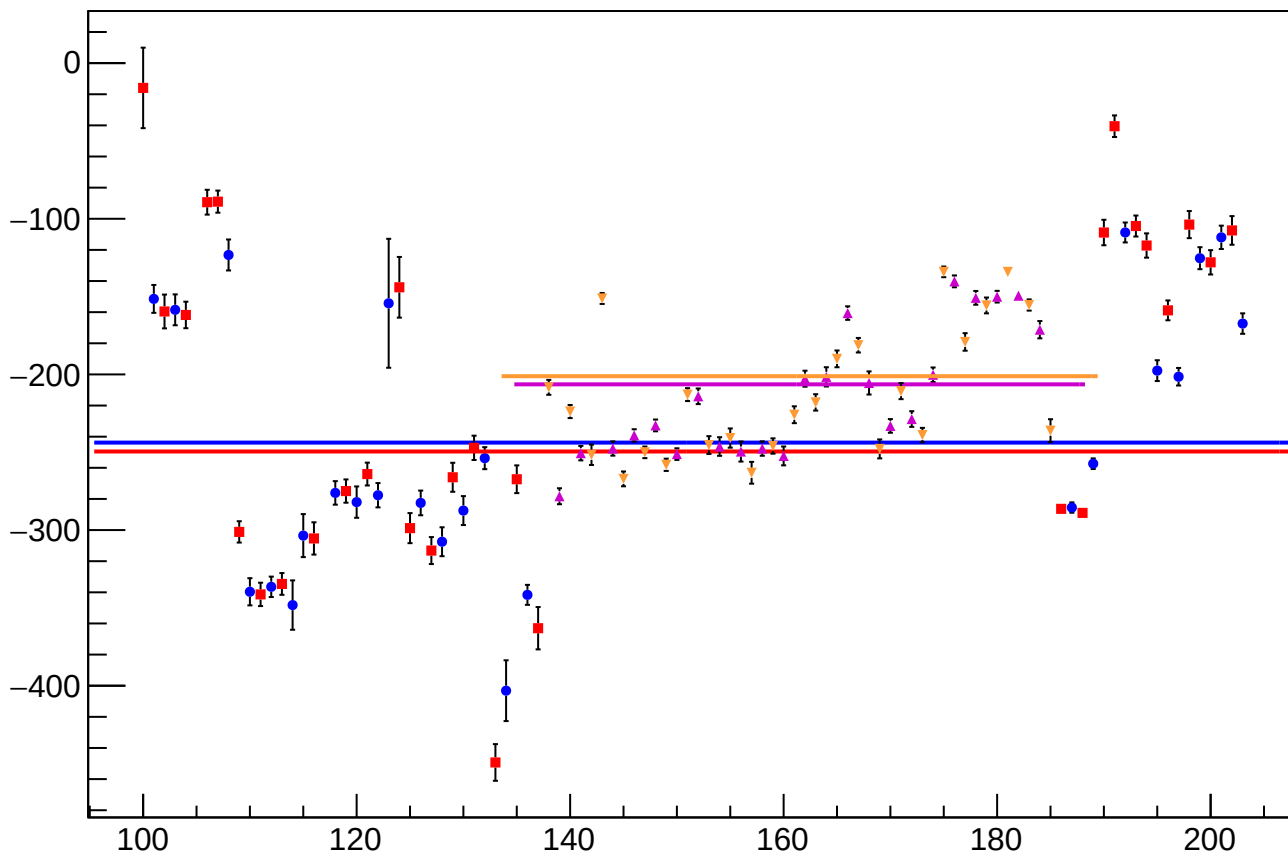
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 6.257 ± 0.577 χ^2/NDF : 1315.0/49

All: 5.318 ± 0.409 χ^2/NDF : 2634.9/101

- sign 4.372 ± 0.579 χ^2/NDF : 1314.6/51

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -243.801 ± 1.382 χ^2/NDF : 2606.7/24

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -249.523 ± 1.080 χ^2/NDF : 5667.1/28

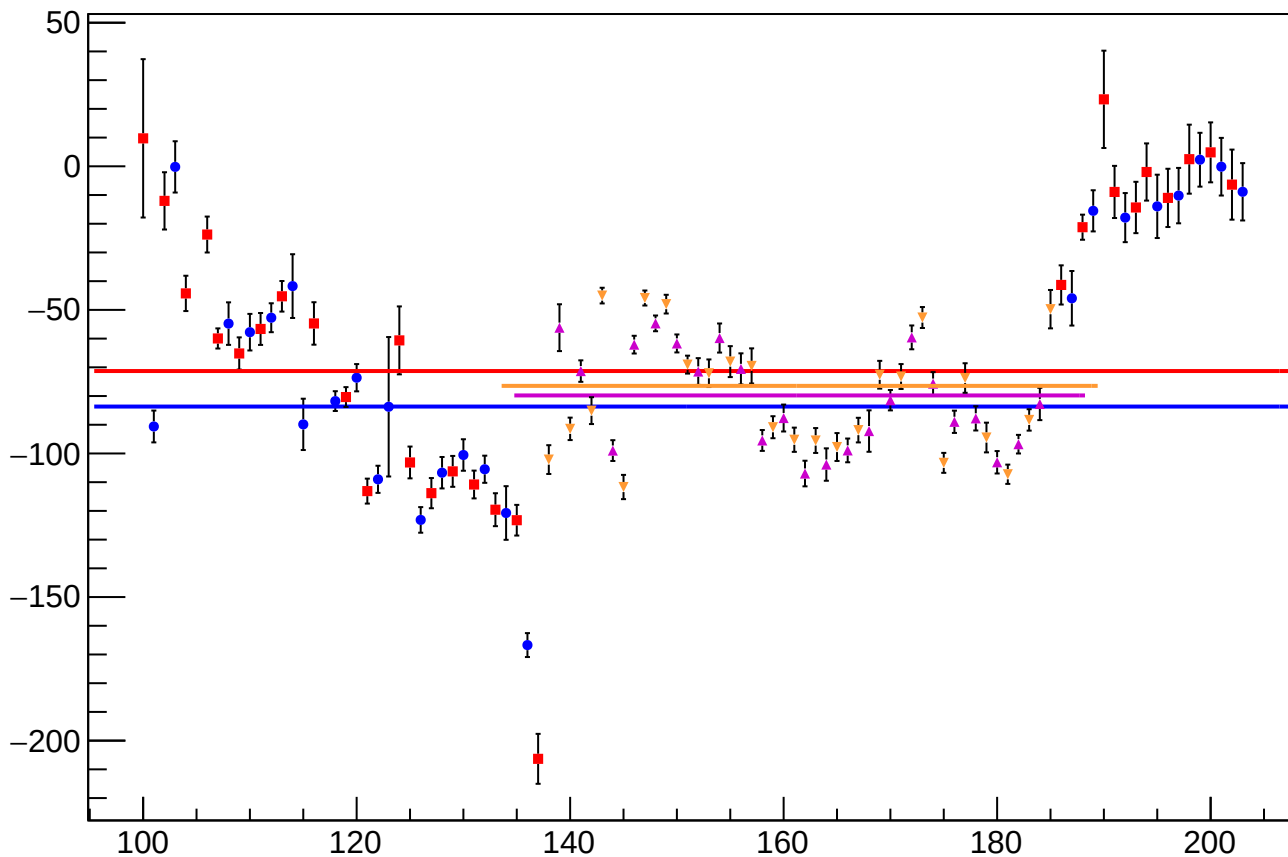
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -214.206 ± 0.764 χ^2/NDF : 5756.9/49

All: -220.080 ± 0.521 χ^2/NDF : 14546.0/101

- sign -225.190 ± 0.713 χ^2/NDF : 8678.7/51

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -83.663 $\pm$ 1.242 χ^2/NDF : 1219.9/24

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -71.296 $\pm$ 1.135 χ^2/NDF : 1355.7/28

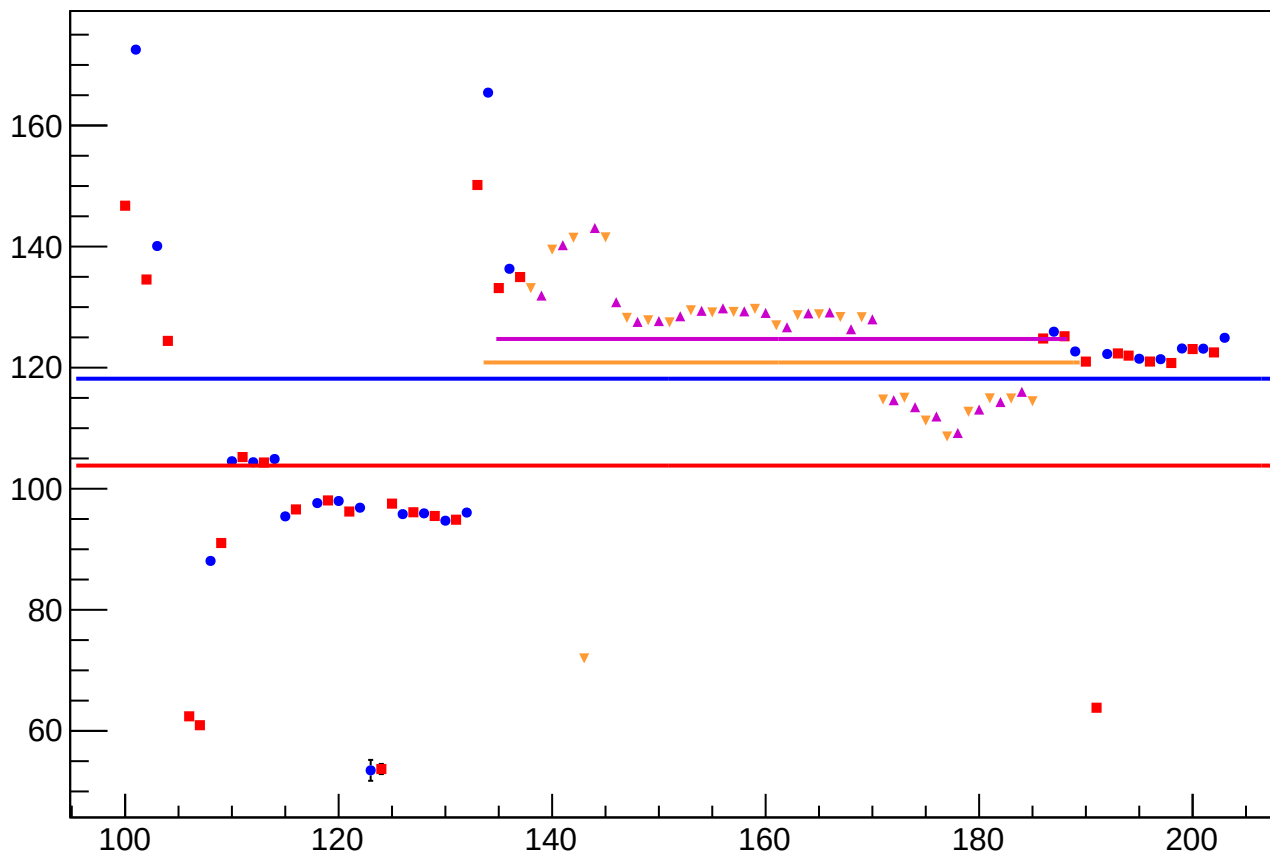
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -78.560 $\pm$ 0.671 χ^2/NDF : 2025.1/49

All: -77.680 $\pm$ 0.476 χ^2/NDF : 3832.7/101

- sign -76.788 $\pm$ 0.675 χ^2/NDF : 1804.1/51

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 118.175+/-0.065 χ^2/NDF : 108217.1/24

Left Out: 120.855+/-0.038 χ^2/NDF : 182759.1/24

Right Out: 103.824+/-0.056 χ^2/NDF : 235682.4/28

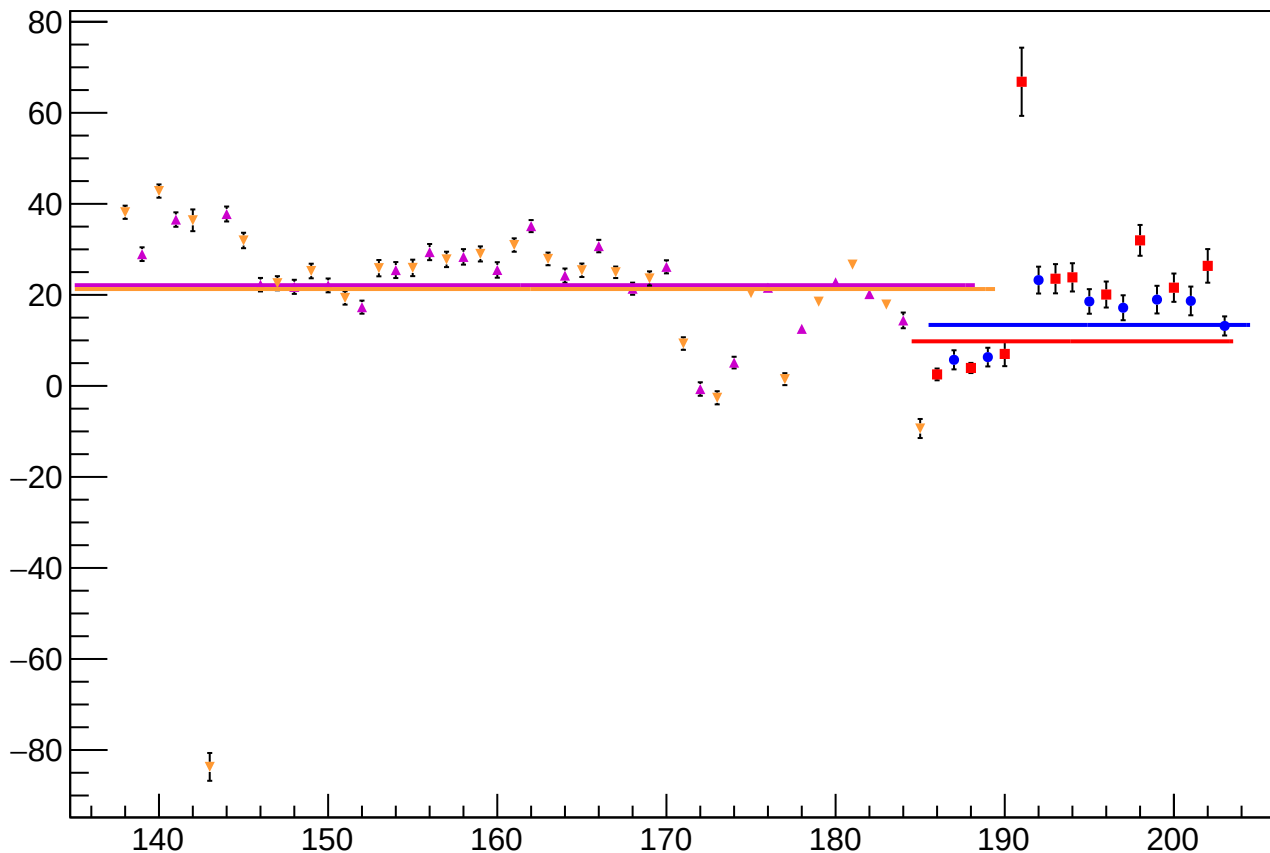
Left In: 124.738+/-0.039 χ^2/NDF : 51298.3/22

+ sign 120.167+/-0.033 χ^2/NDF : 292249.8/49

All: 119.001+/-0.023 χ^2/NDF : 674825.8/101

- sign 117.879+/-0.032 χ^2/NDF : 380096.7/51

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 13.396+/-0.882 χ^2/NDF : 48.1/7

Left Out: 21.282+/-0.282 χ^2/NDF : 2600.5/24

Right Out: 9.792+/-0.683 χ^2/NDF : 247.4/9

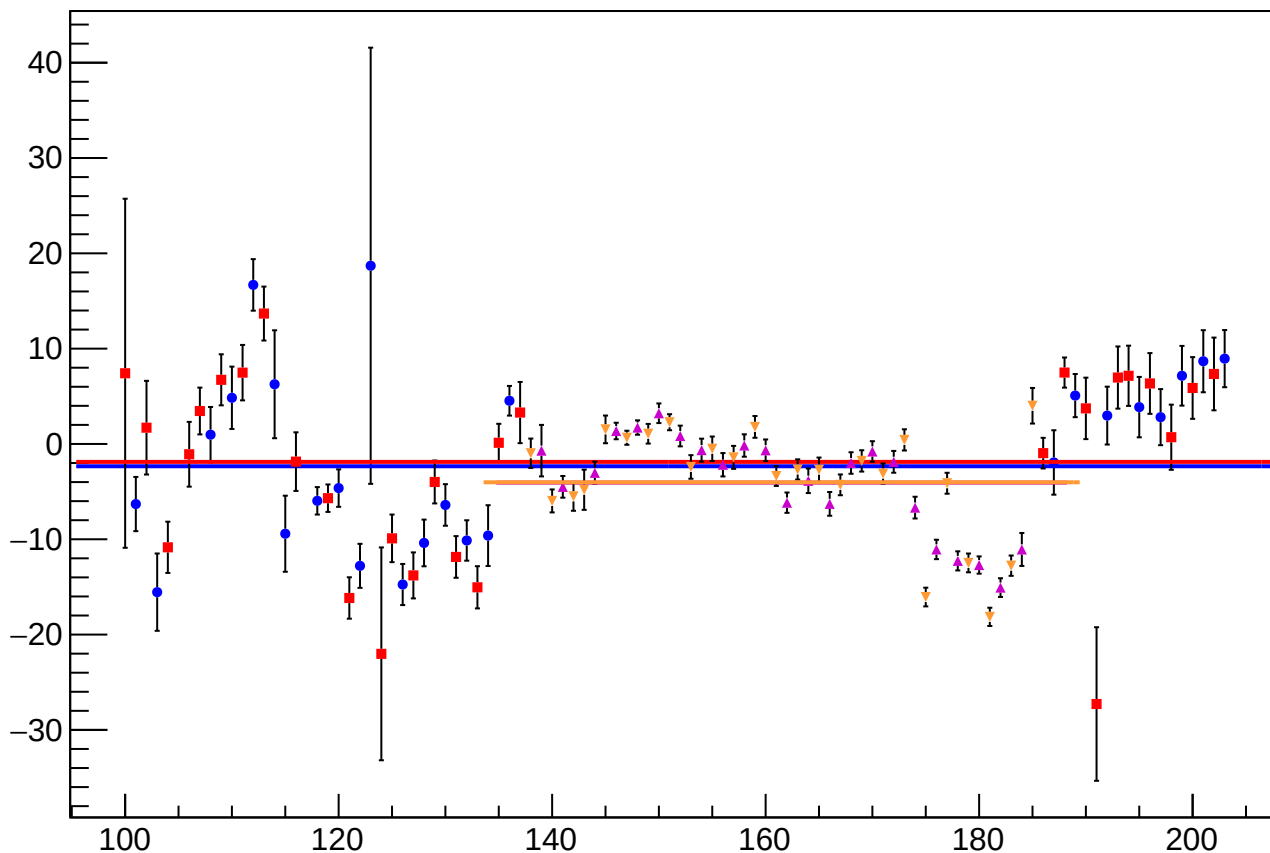
Left In: 22.127+/-0.285 χ^2/NDF : 900.2/22

+ sign 20.548+/-0.269 χ^2/NDF : 2721.1/32

All: 20.416+/-0.188 χ^2/NDF : 4147.2/65

- sign 20.290+/-0.263 χ^2/NDF : 1425.6/32

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -2.340 ± 0.513 χ^2/NDF : 243.7/24

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -1.880 ± 0.479 χ^2/NDF : 299.2/28

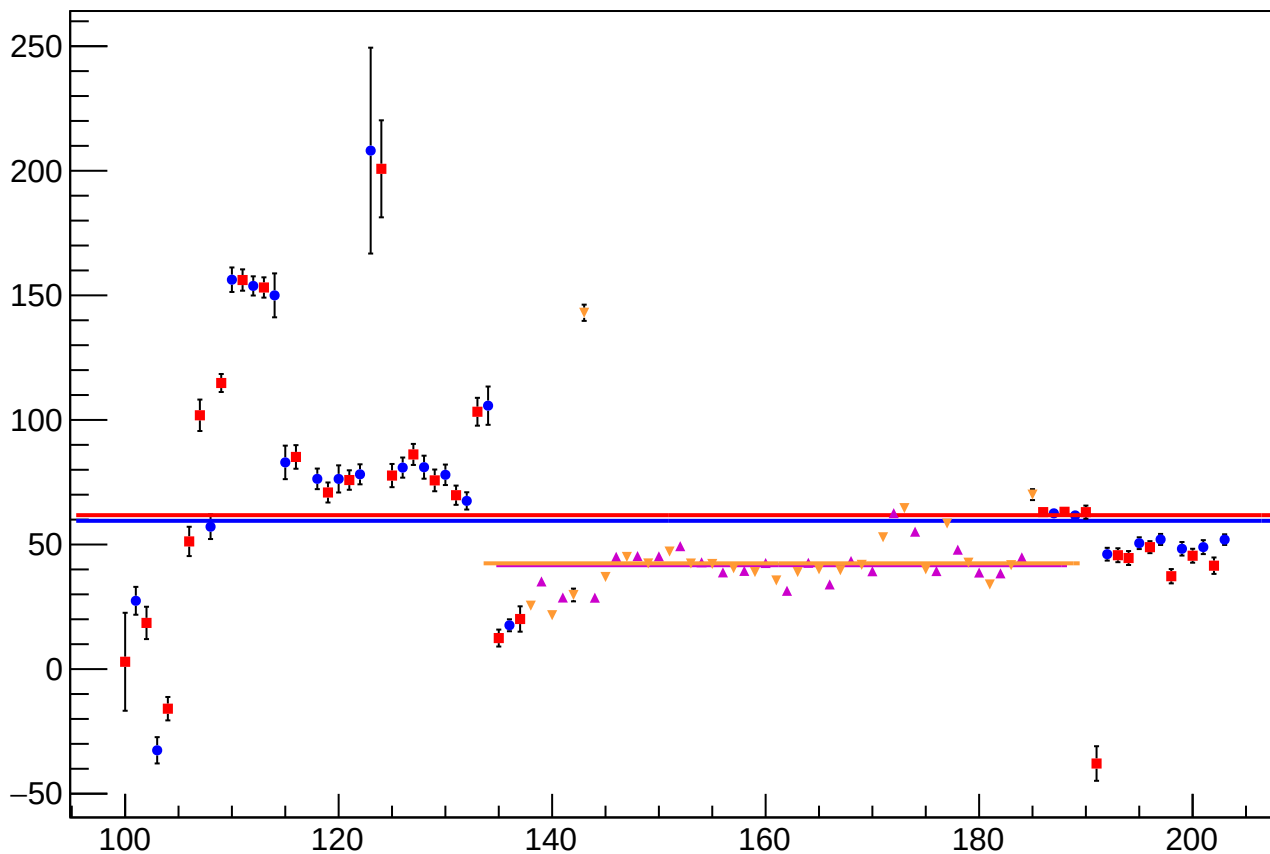
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.754 ± 0.205 χ^2/NDF : 986.9/49

All: -3.706 ± 0.145 χ^2/NDF : 1880.3/101

- sign -3.656 ± 0.206 χ^2/NDF : 893.3/51

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 59.516 $\pm$ 0.629 χ^2 /NDF: 2020.4/24

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 61.780 $\pm$ 0.502 χ^2 /NDF: 2513.8/28

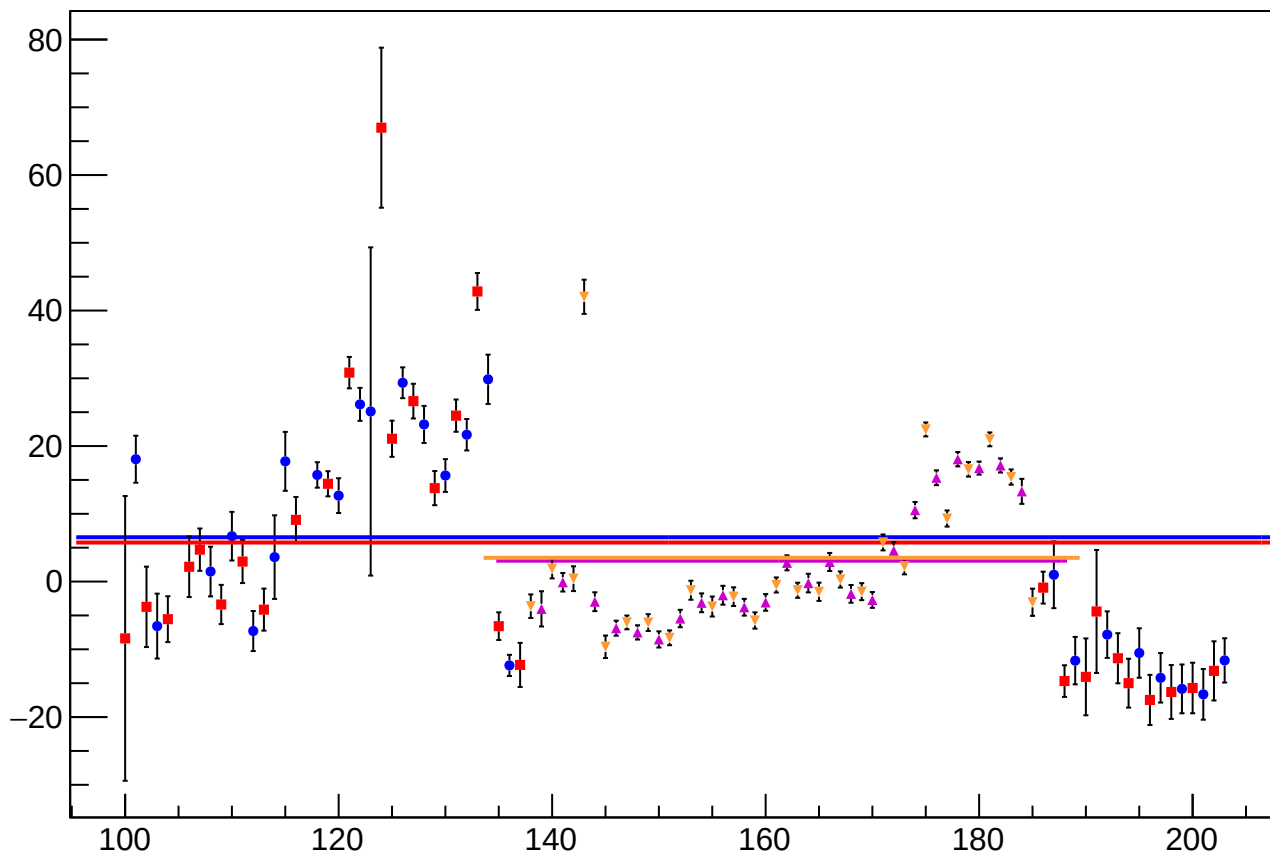
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 45.304 $\pm$ 0.257 χ^2 /NDF: 4648.5/49

All: 45.962 $\pm$ 0.178 χ^2 /NDF: 9018.0/101

- sign 46.569 $\pm$ 0.247 χ^2 /NDF: 4356.8/51

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 6.540 ± 0.593 χ^2/NDF : 734.8/24

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 5.763 ± 0.570 χ^2/NDF : 901.5/28

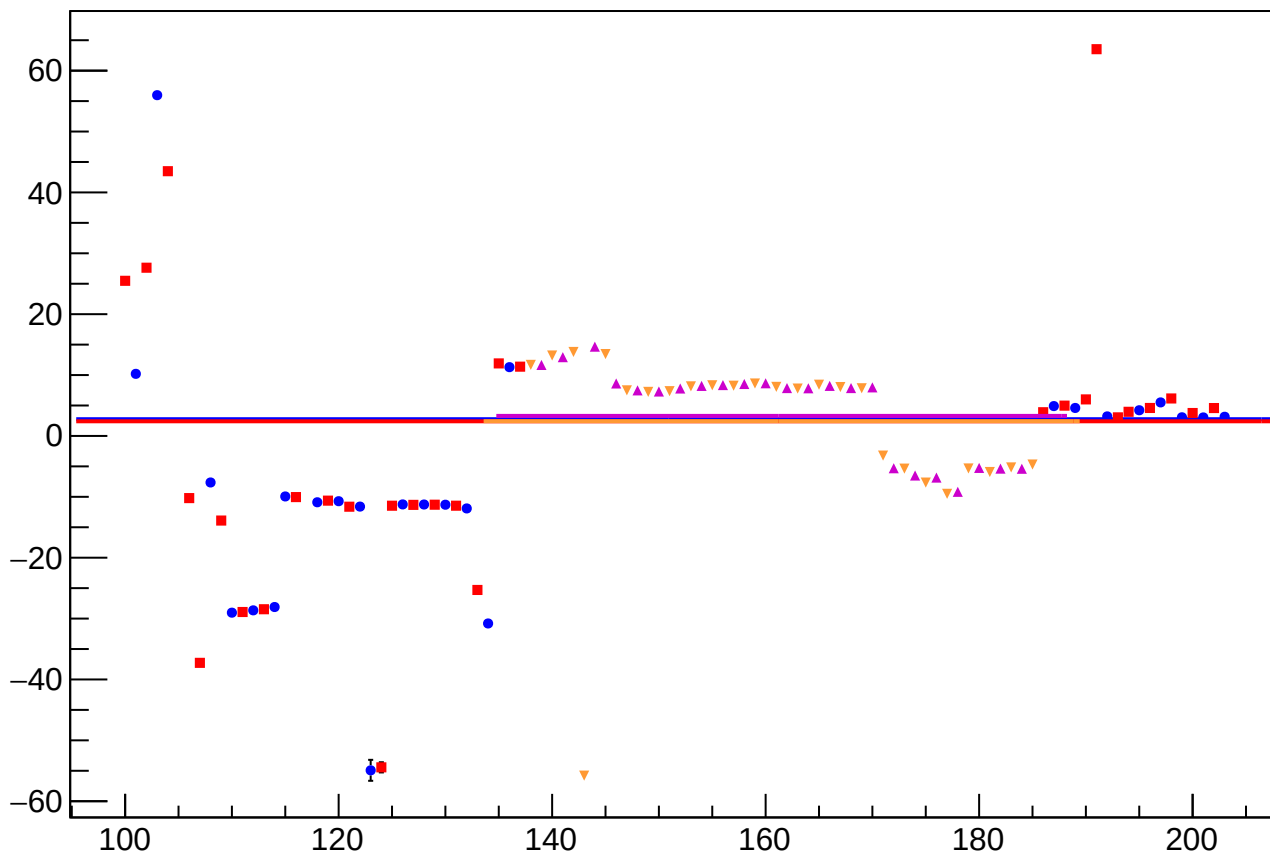
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.971 ± 0.232 χ^2/NDF : 2448.3/49

All: 3.755 ± 0.165 χ^2/NDF : 4635.6/101

- sign 3.535 ± 0.234 χ^2/NDF : 2185.6/51

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.748 $\pm$ 0.028 χ^2 /NDF: 359221.4/24

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.406 $\pm$ 0.027 χ^2 /NDF: 431242.9/28

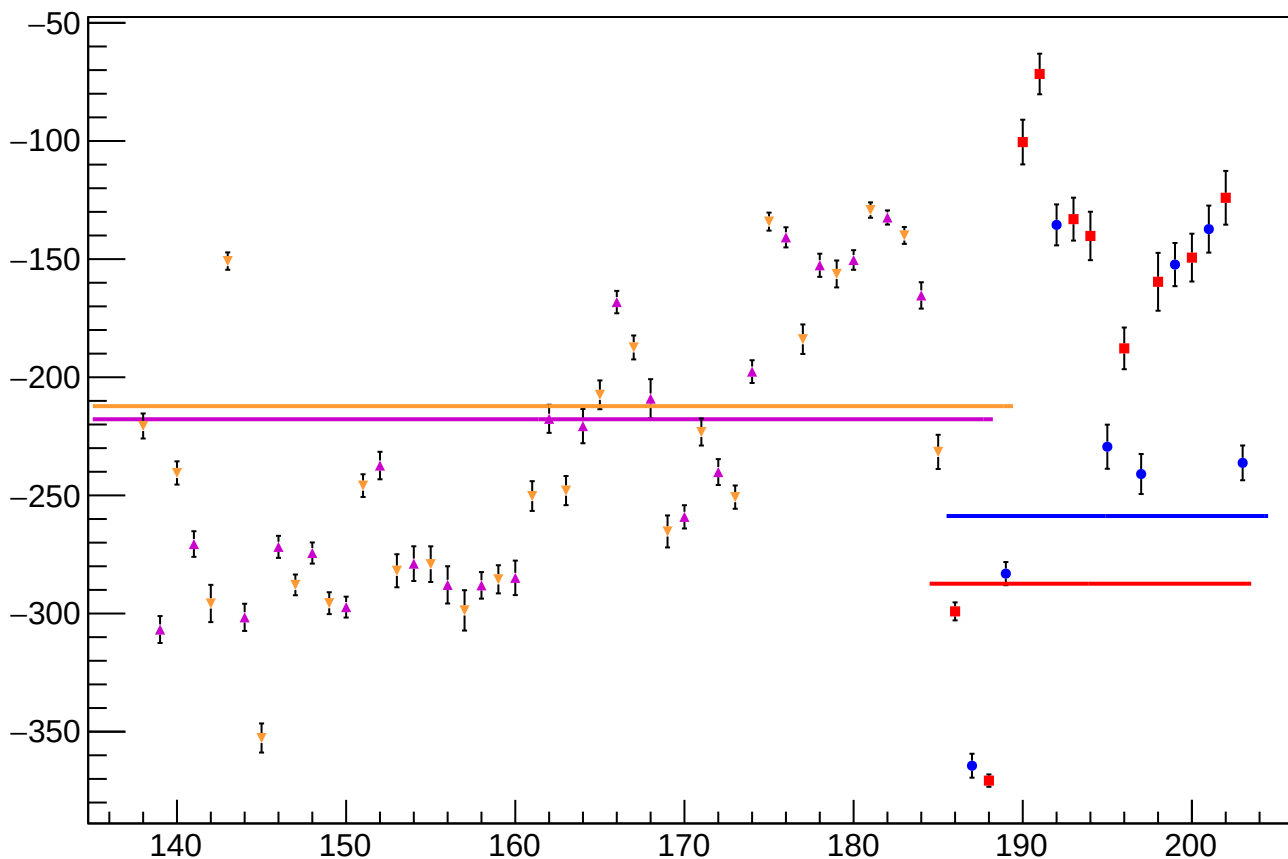
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.472 $\pm$ 0.011 χ^2 /NDF: 975716.5/49

All: 2.813 $\pm$ 0.008 χ^2 /NDF: 1814217.3/101

- sign 3.155 $\pm$ 0.011 χ^2 /NDF: 836464.5/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -258.731 ± 2.500 χ^2/NDF : 970.9/7

Left Out: -212.231 ± 1.029 χ^2/NDF : 3875.4/24

Right Out: -287.375 ± 1.829 χ^2/NDF : 3171.2/9

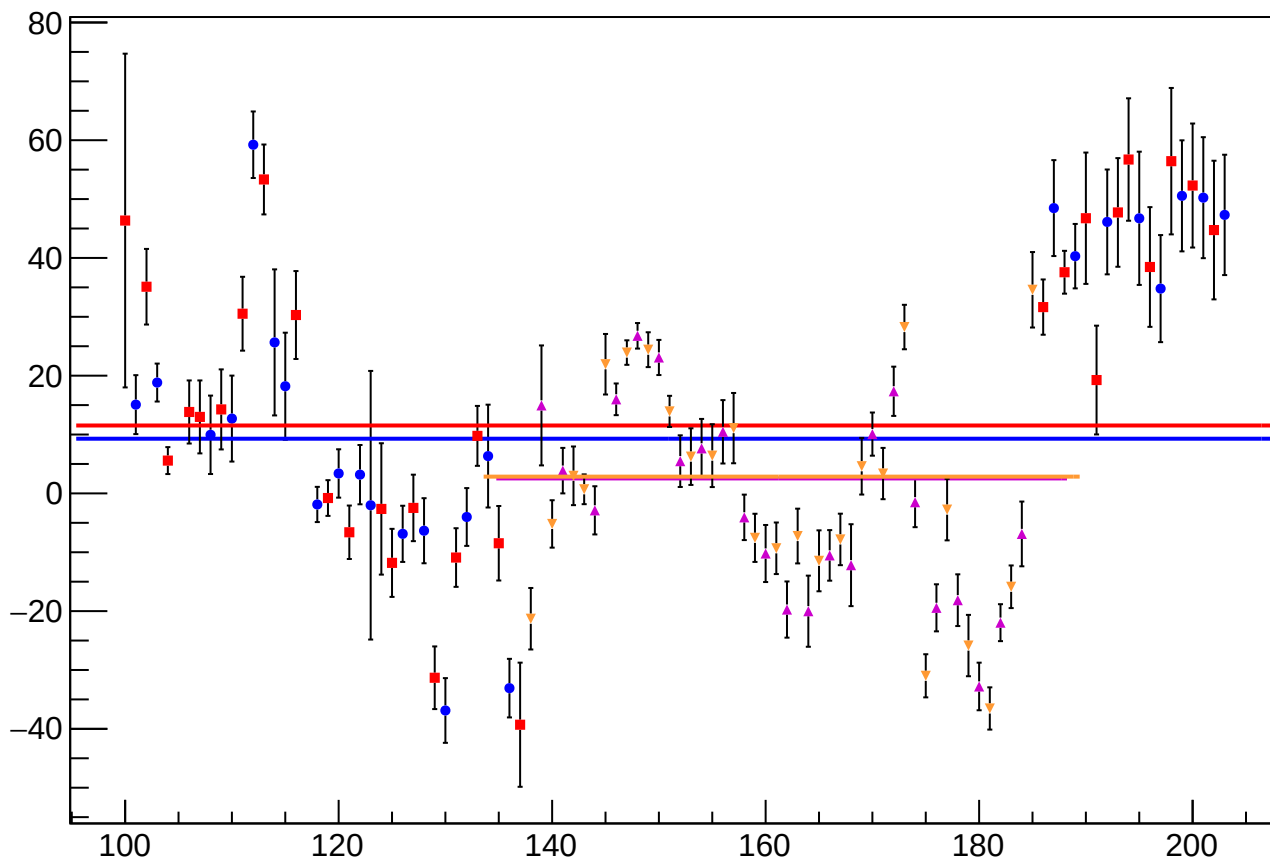
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -218.971 ± 0.952 χ^2/NDF : 5142.0/32

All: -227.471 ± 0.662 χ^2/NDF : 12996.6/65

- sign -235.439 ± 0.922 χ^2/NDF : 7700.1/32

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 9.289 ± 1.150 χ^2/NDF : 418.8/24

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 11.535 ± 1.032 χ^2/NDF : 419.6/28

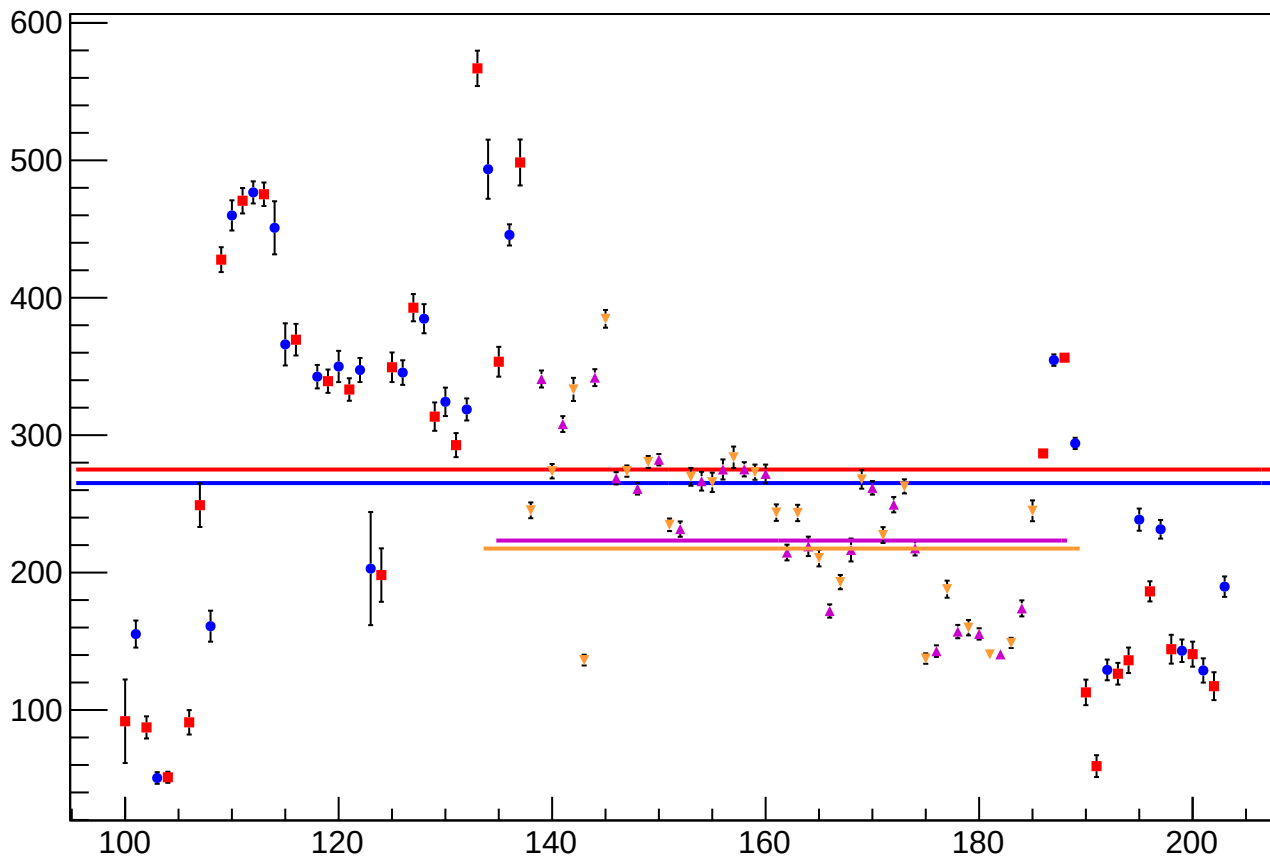
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 4.857 ± 0.643 χ^2/NDF : 1022.5/49

All: 5.445 ± 0.455 χ^2/NDF : 1963.9/101

- sign 6.035 ± 0.643 χ^2/NDF : 939.7/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 265.139 $\pm$ 1.538 χ^2 /NDF: 6541.3/24

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 274.994 $\pm$ 1.222 χ^2 /NDF: 10415.0/28

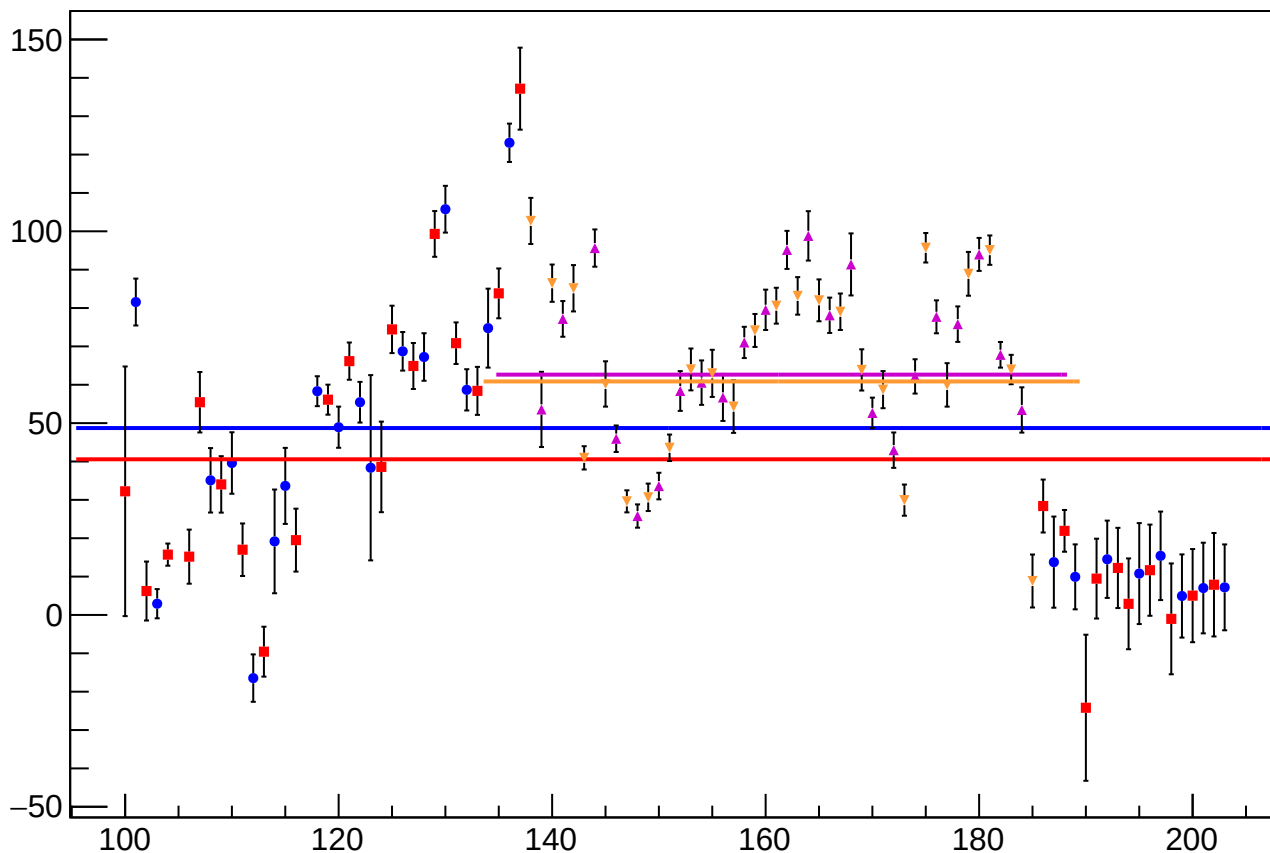
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 232.286 $\pm$ 0.857 χ^2 /NDF: 10972.7/49

All: 239.364 $\pm$ 0.585 χ^2 /NDF: 25913.1/101

- sign 245.552 $\pm$ 0.801 χ^2 /NDF: 14812.6/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 48.717 $\pm$ 1.349 χ^2 /NDF: 747.6/24

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 40.571 $\pm$ 1.242 χ^2 /NDF: 623.2/28

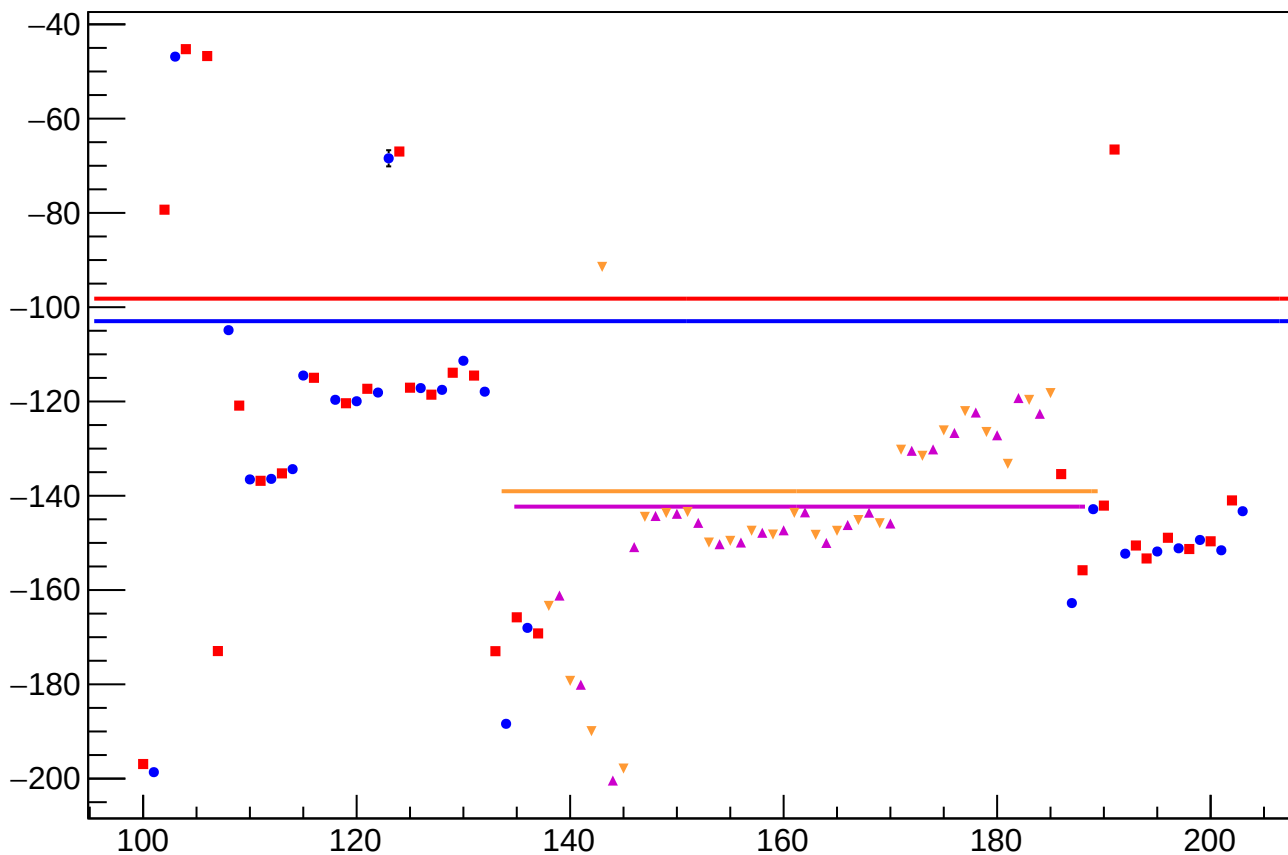
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 57.141 $\pm$ 0.747 χ^2 /NDF: 1535.5/49

All: 55.863 $\pm$ 0.529 χ^2 /NDF: 2880.4/101

- sign 54.571 $\pm$ 0.751 χ^2 /NDF: 1339.0/51

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -102.964 $\pm$ 0.060 χ^2 /NDF: 689817.5/24

Left Out: -139.040 $\pm$ 0.043 χ^2 /NDF: 258113.4/24

Right Out: -98.189 $\pm$ 0.056 χ^2 /NDF: 716196.7/28

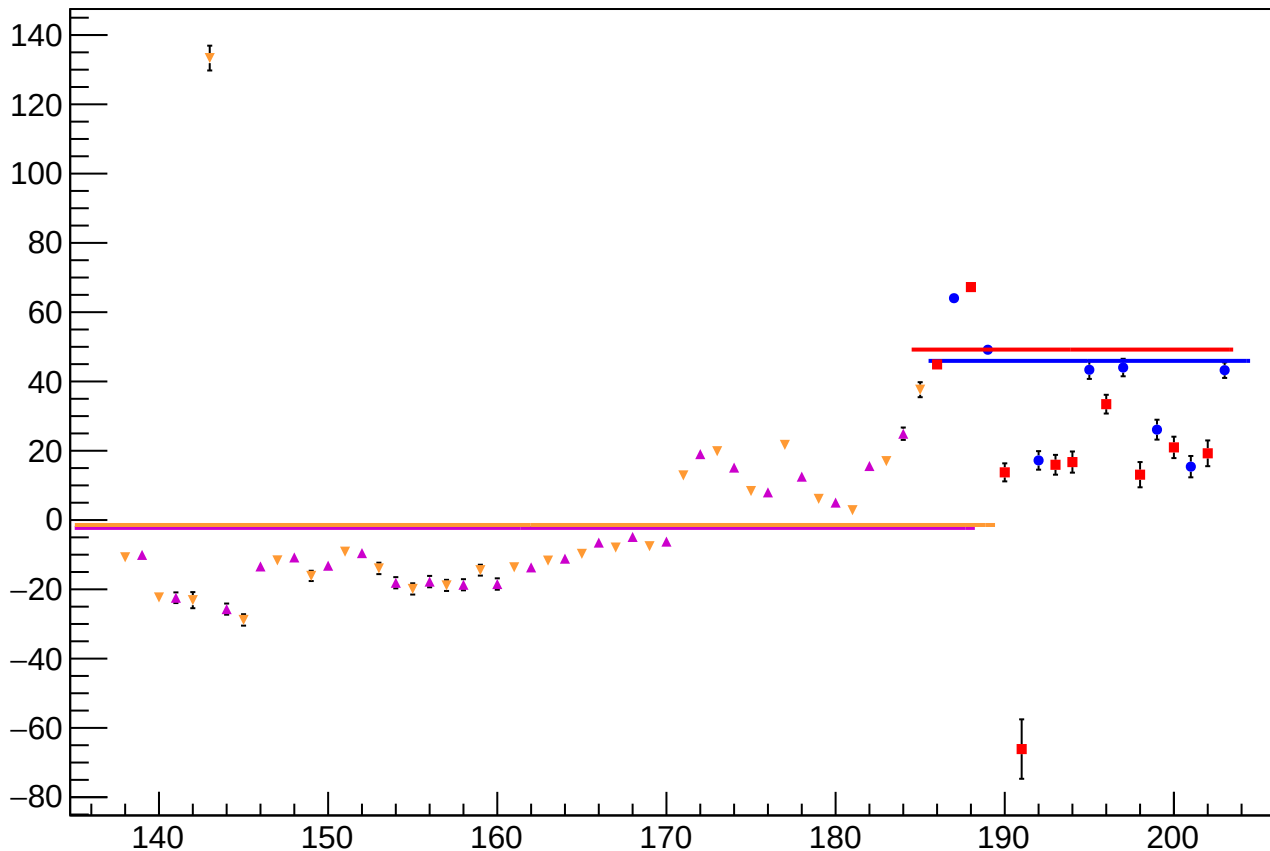
Left In: -142.305 $\pm$ 0.044 χ^2 /NDF: 143351.8/22

+ sign -126.964 $\pm$ 0.035 χ^2 /NDF: 1184990.2/49

All: -126.282 $\pm$ 0.025 χ^2 /NDF: 2424402.7/10

- sign -125.609 $\pm$ 0.035 χ^2 /NDF: 1238657.9/51

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 45.945 $\pm$ 0.735 χ^2 /NDF: 437.9/7

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 49.204 $\pm$ 0.514 χ^2 /NDF: 1462.3/9

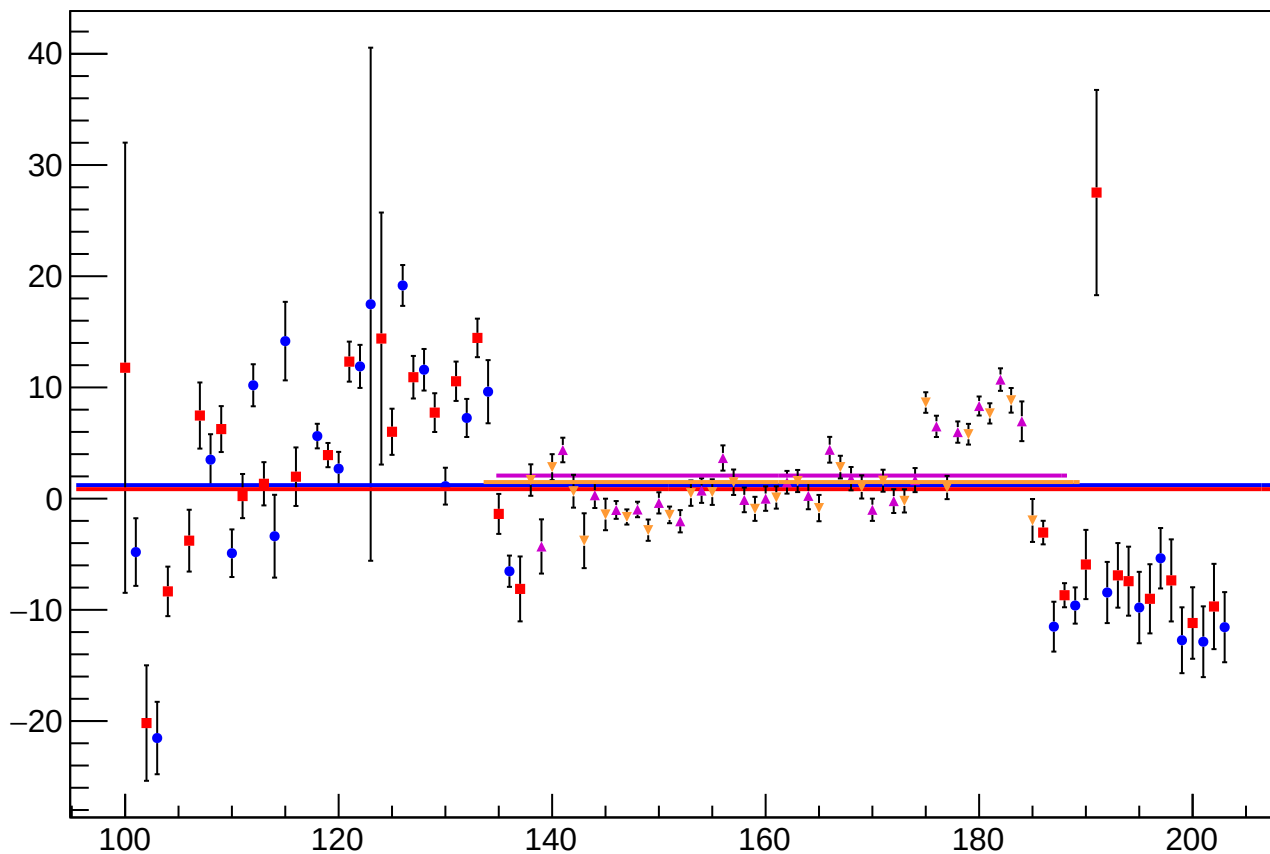
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 4.125 $\pm$ 0.251 χ^2 /NDF: 8448.7/32

All: 6.633 $\pm$ 0.173 χ^2 /NDF: 20472.5/65

- sign 8.909 $\pm$ 0.240 χ^2 /NDF: 11834.1/32

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 1.212 ± 0.417 $\chi^2/\text{NDF}: 489.6/24$

Left Out: 1.491 ± 0.210 $\chi^2/\text{NDF}: 259.1/24$

Right Out: 0.852 ± 0.381 $\chi^2/\text{NDF}: 405.7/28$

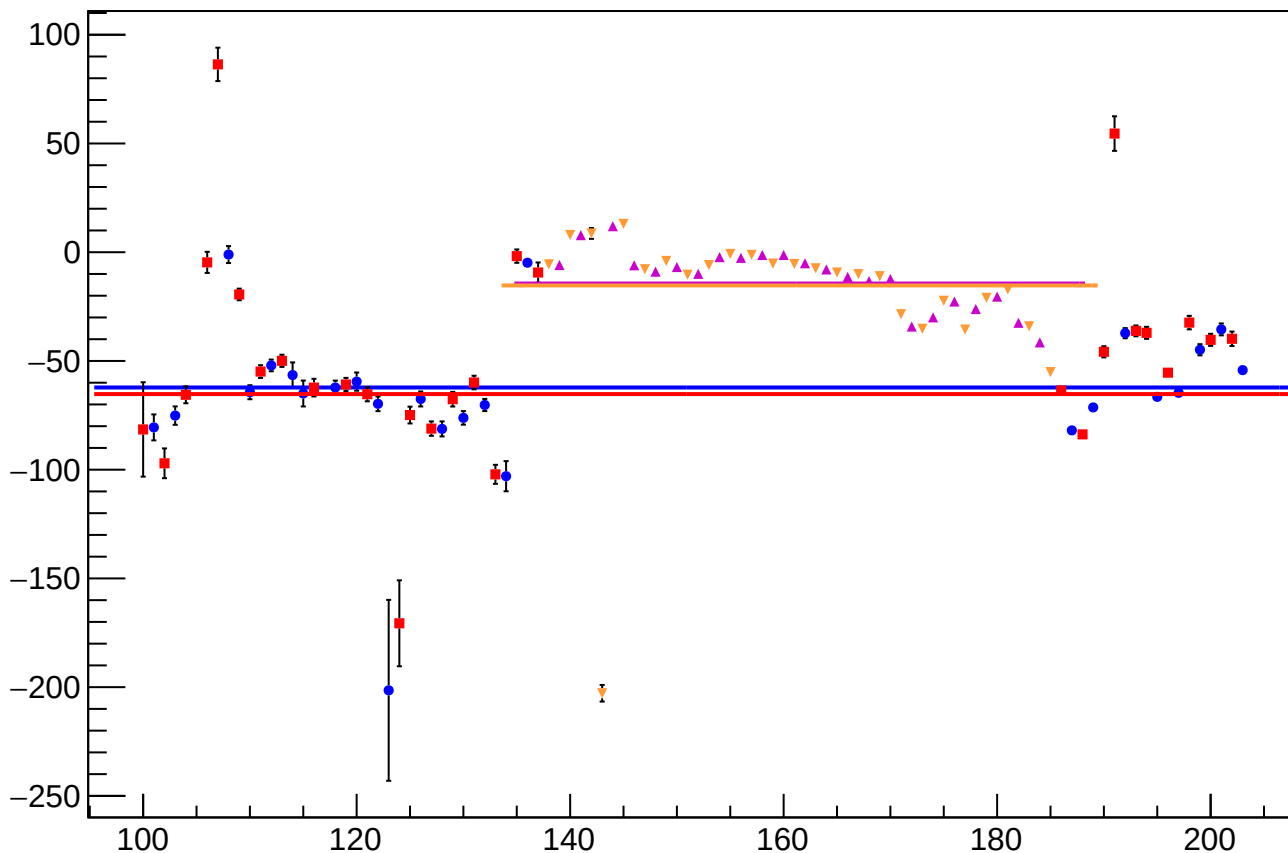
Left In: 2.075 ± 0.215 $\chi^2/\text{NDF}: 274.6/22$

+ sign 1.435 ± 0.188 $\chi^2/\text{NDF}: 749.0/49$

All: 1.607 ± 0.133 $\chi^2/\text{NDF}: 1438.8/101$

- sign 1.779 ± 0.188 $\chi^2/\text{NDF}: 688.0/51$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -62.200 ± 0.509 χ^2/NDF : 1723.3/24

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -65.235 ± 0.378 χ^2/NDF : 3301.3/28

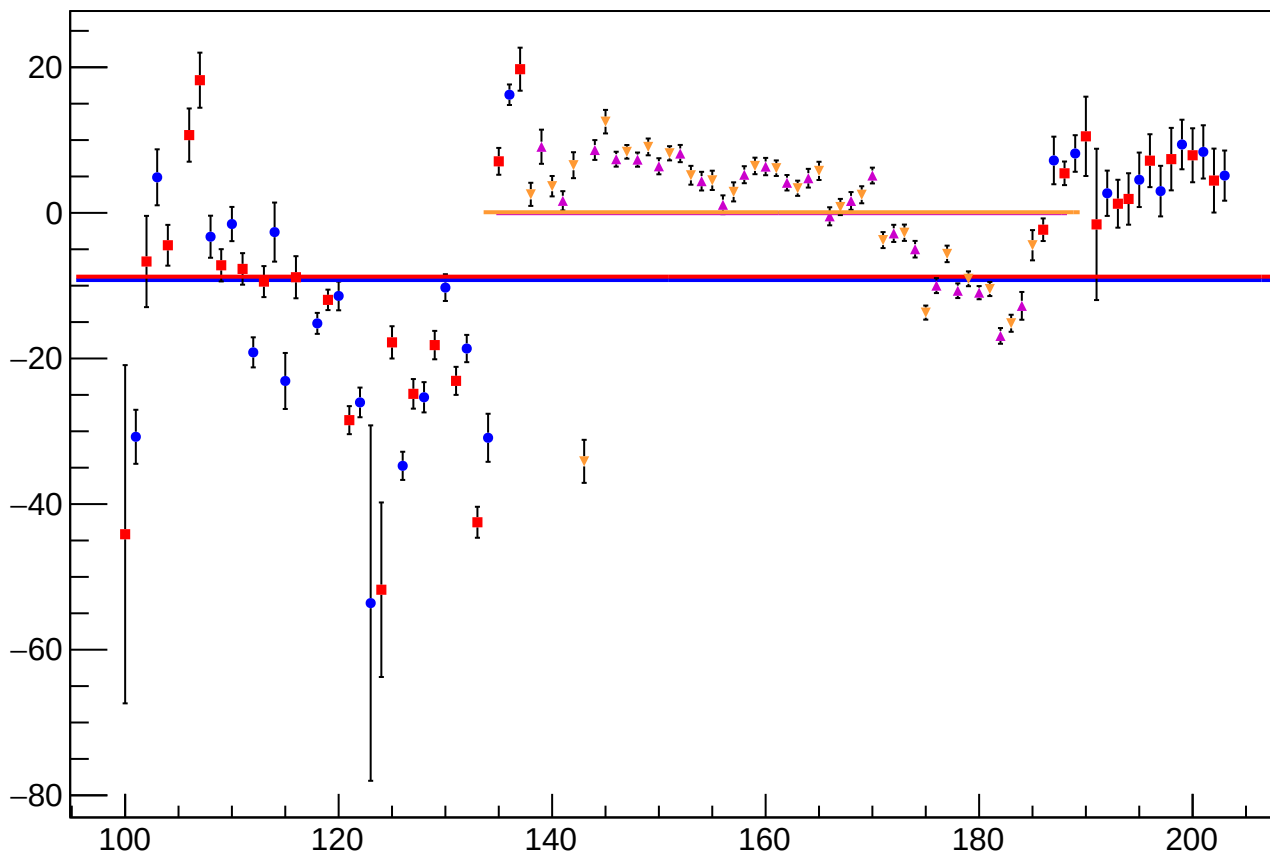
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -25.404 ± 0.236 χ^2/NDF : 13217.4/49

All: -28.689 ± 0.161 χ^2/NDF : 30921.2/101

- sign -31.518 ± 0.219 χ^2/NDF : 17343.9/51

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -9.226 ± 0.487 χ^2/NDF : 1003.0/24

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -8.760 ± 0.461 χ^2/NDF : 971.3/28

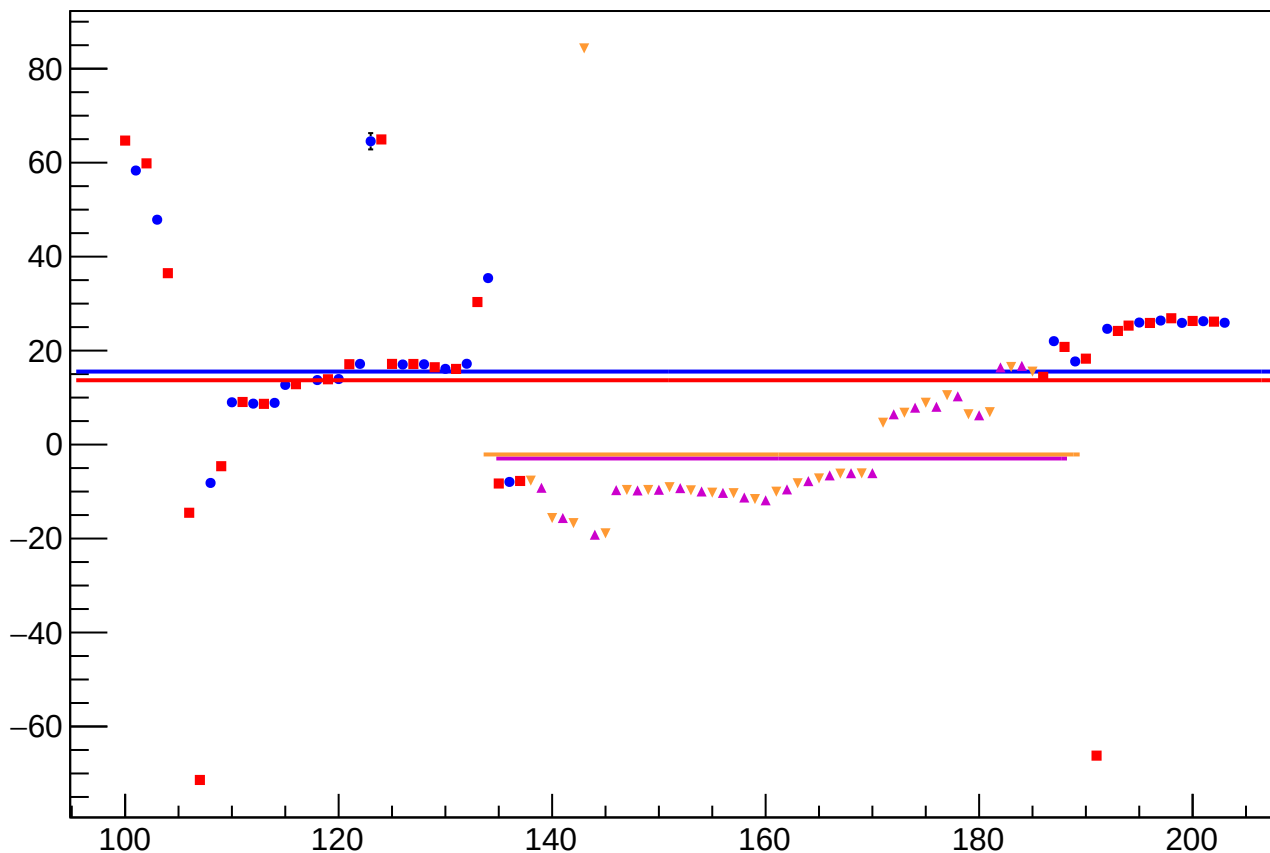
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.711 ± 0.214 χ^2/NDF : 2470.3/49

All: -1.826 ± 0.152 χ^2/NDF : 4750.4/101

- sign -1.942 ± 0.215 χ^2/NDF : 2279.5/51

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 15.540 $\pm$ 0.025 χ^2 /NDF: 464670.9/24

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 13.691 $\pm$ 0.024 χ^2 /NDF: 735925.9/28

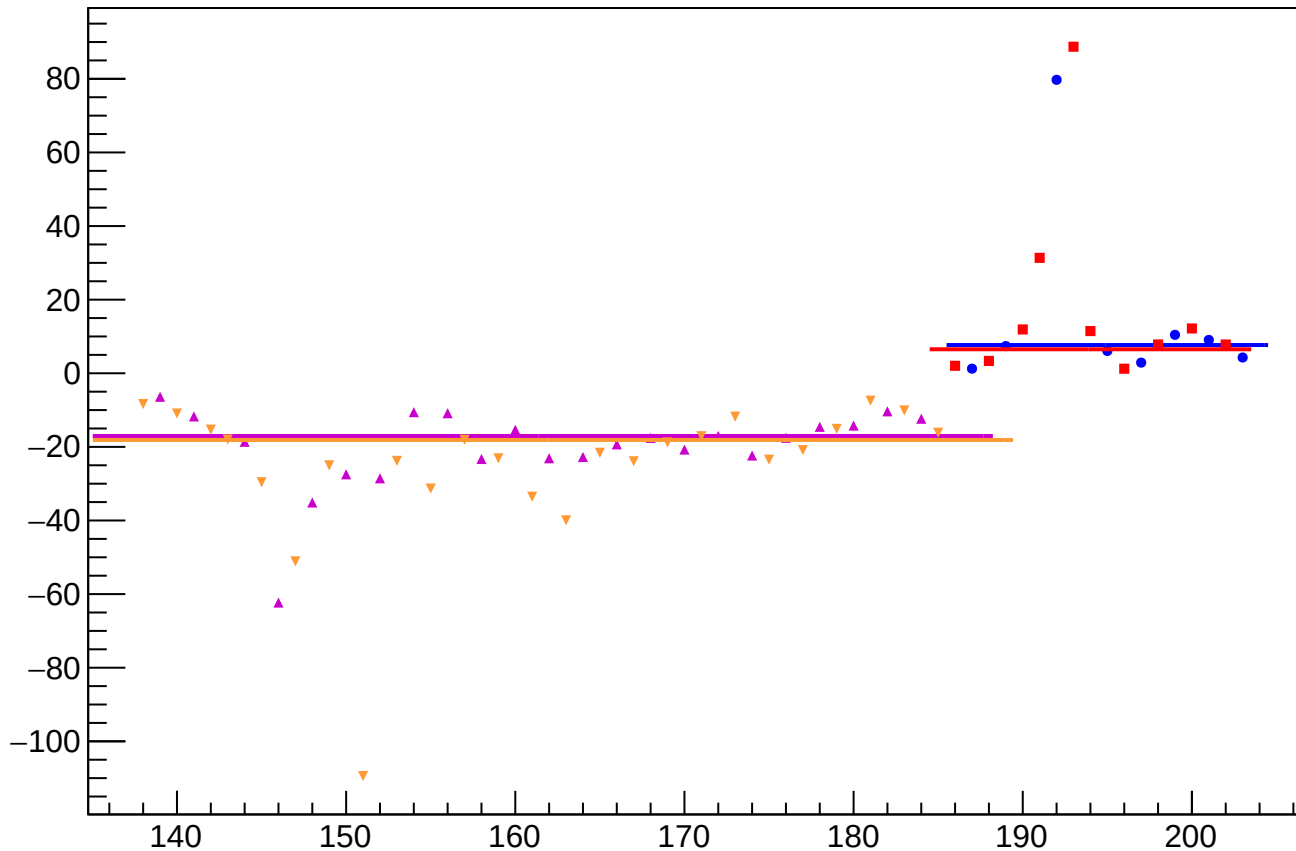
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign 0.819 $\pm$ 0.010 χ^2 /NDF: 1990357.2/49

All: 0.399 $\pm$ 0.007 χ^2 /NDF: 3896862.7/101

- sign -0.022 $\pm$ 0.010 χ^2 /NDF: 1902951.6/51

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 7.670 ± 0.077 $\chi^2/\text{NDF}: 24805.5/7$

Left Out: -18.128 ± 0.039 $\chi^2/\text{NDF}: 88551.6/24$

Right Out: 6.519 ± 0.069 $\chi^2/\text{NDF}: 25612.4/9$

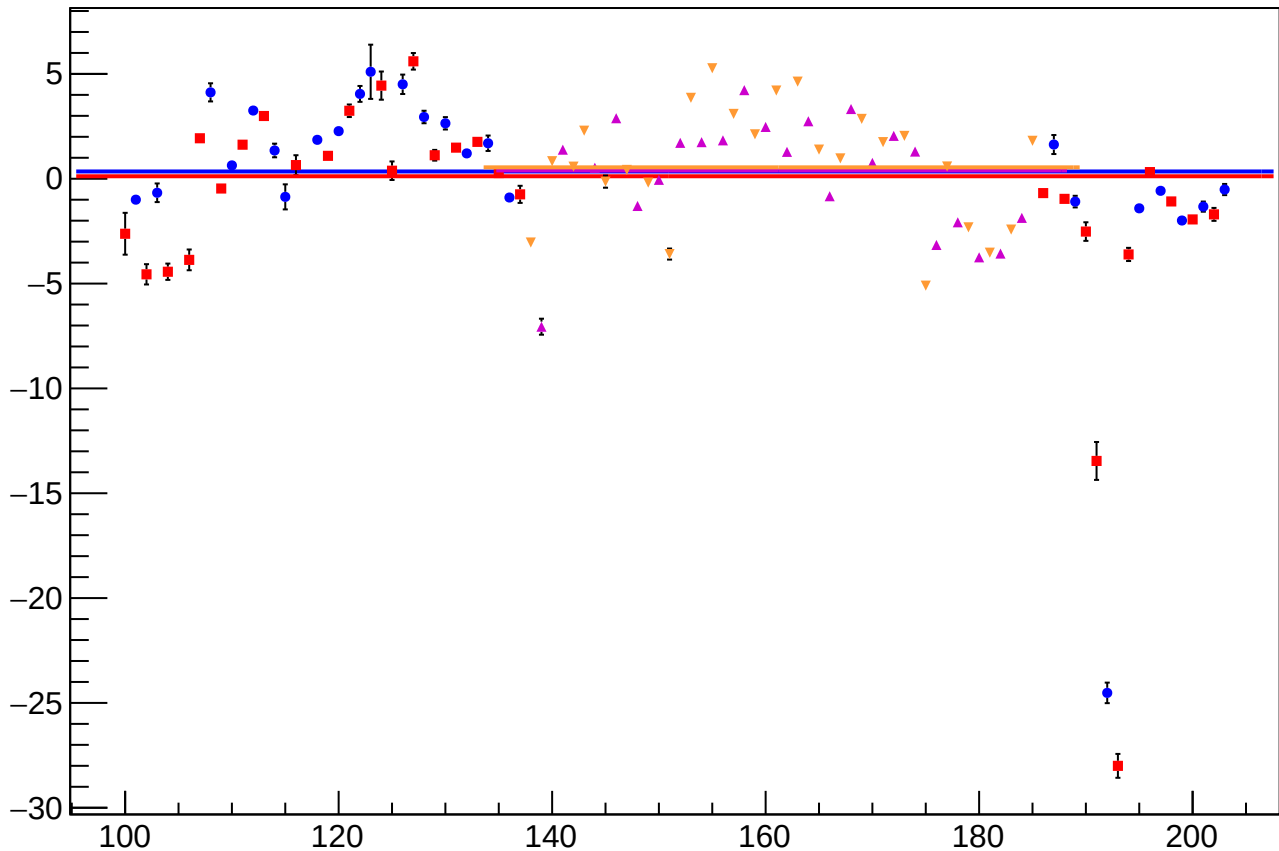
Left In: -17.038 ± 0.038 $\chi^2/\text{NDF}: 44141.1/22$

+ sign -12.852 ± 0.035 $\chi^2/\text{NDF}: 203236.2/32$

All: -12.152 ± 0.024 $\chi^2/\text{NDF}: 363321.4/65$

- sign -11.505 ± 0.033 $\chi^2/\text{NDF}: 159302.1/32$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.347 ± 0.051 $\chi^2/\text{NDF}: 3812.5/24$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.118 ± 0.048 $\chi^2/\text{NDF}: 4246.1/28$

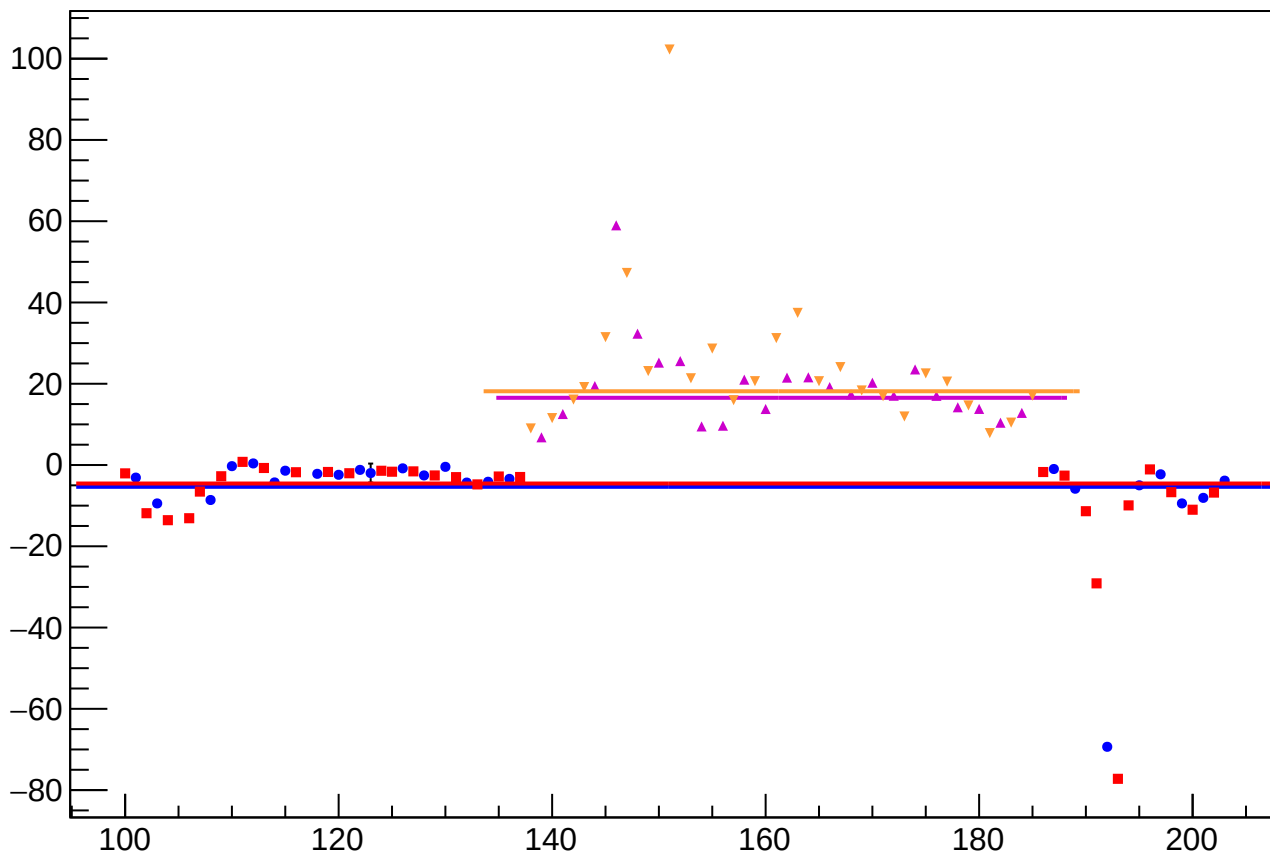
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.486 ± 0.027 $\chi^2/\text{NDF}: 10908.4/49$

All: 0.396 ± 0.019 $\chi^2/\text{NDF}: 21435.2/101$

- sign 0.315 ± 0.026 $\chi^2/\text{NDF}: 10505.9/51$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.362 ± 0.057 $\chi^2/\text{NDF}: 26620.4/24$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.553 ± 0.050 $\chi^2/\text{NDF}: 27637.1/28$

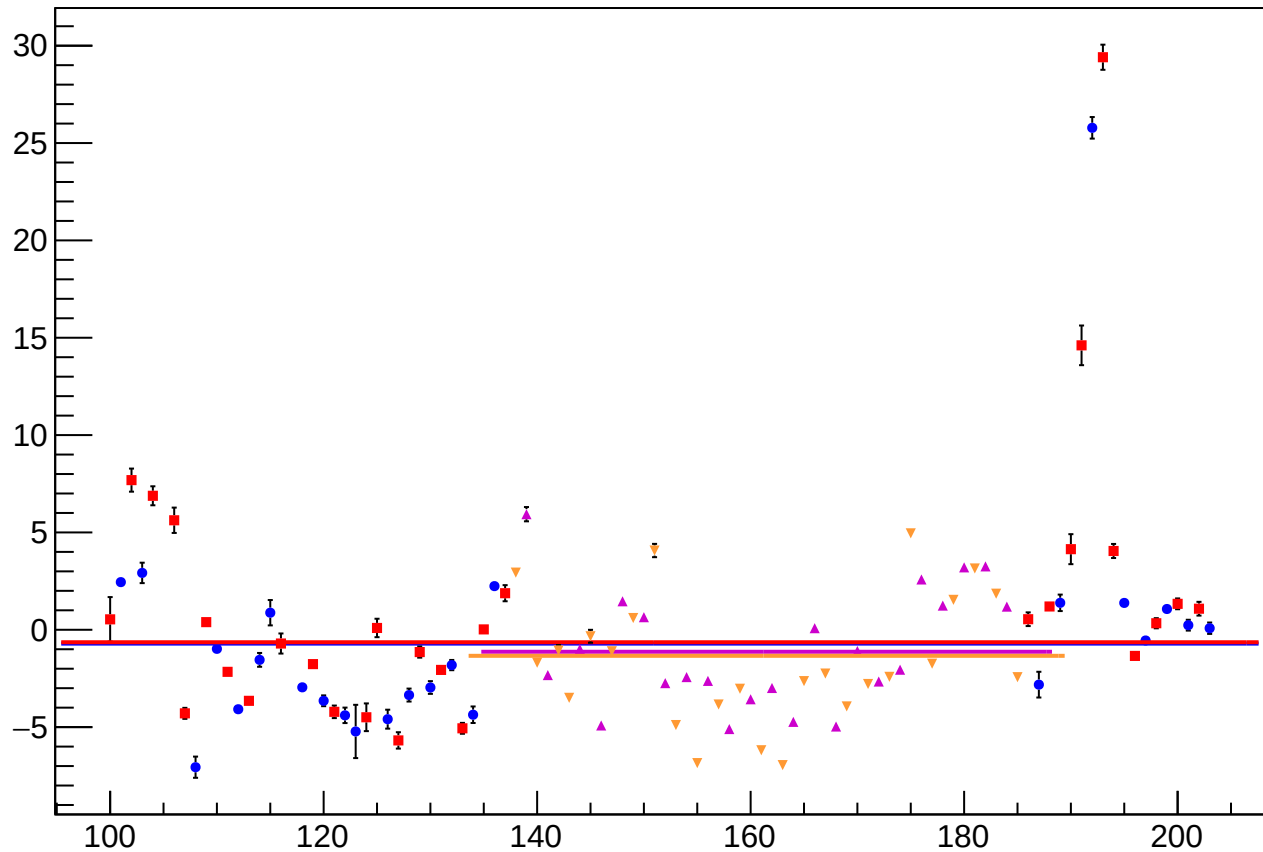
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 10.678 ± 0.032 $\chi^2/\text{NDF}: 219410.2/49$

All: 9.685 ± 0.022 $\chi^2/\text{NDF}: 403868.3/101$

- sign 8.825 ± 0.030 $\chi^2/\text{NDF}: 182693.5/51$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.710 ± 0.059 $\chi^2/\text{NDF}: 3897.5/24$

Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7943.1/24$

Right Out: -0.641 ± 0.056 $\chi^2/\text{NDF}: 4466.4/28$

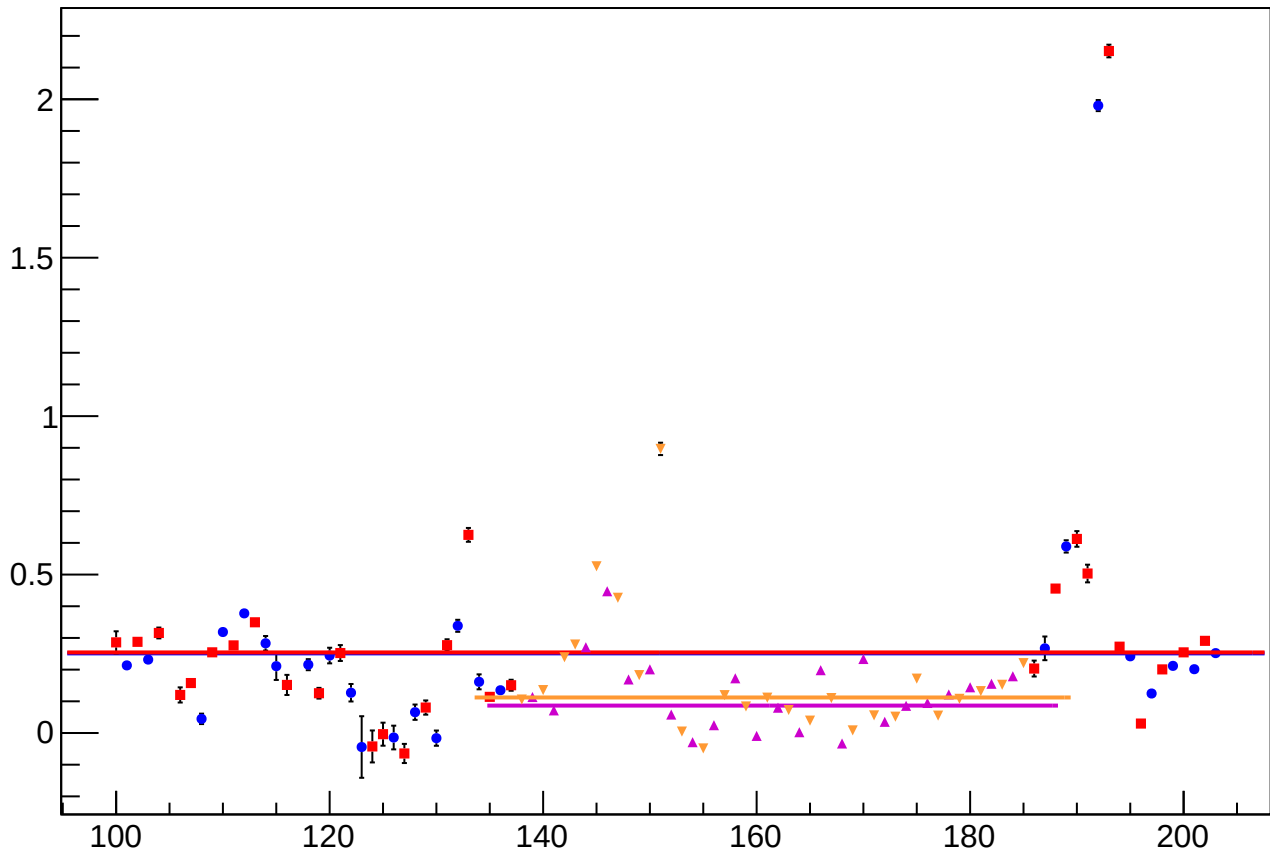
Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6740.3/22$

+ sign -1.169 ± 0.031 $\chi^2/\text{NDF}: 11922.9/49$

All: -1.078 ± 0.021 $\chi^2/\text{NDF}: 23202.2/101$

- sign -0.996 ± 0.029 $\chi^2/\text{NDF}: 11262.6/51$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.251 ± 0.003 $\chi^2/\text{NDF}: 11170.3/24$

Left Out: 0.112 ± 0.002 $\chi^2/\text{NDF}: 4503.9/24$

Right Out: 0.254 ± 0.003 $\chi^2/\text{NDF}: 11594.0/28$

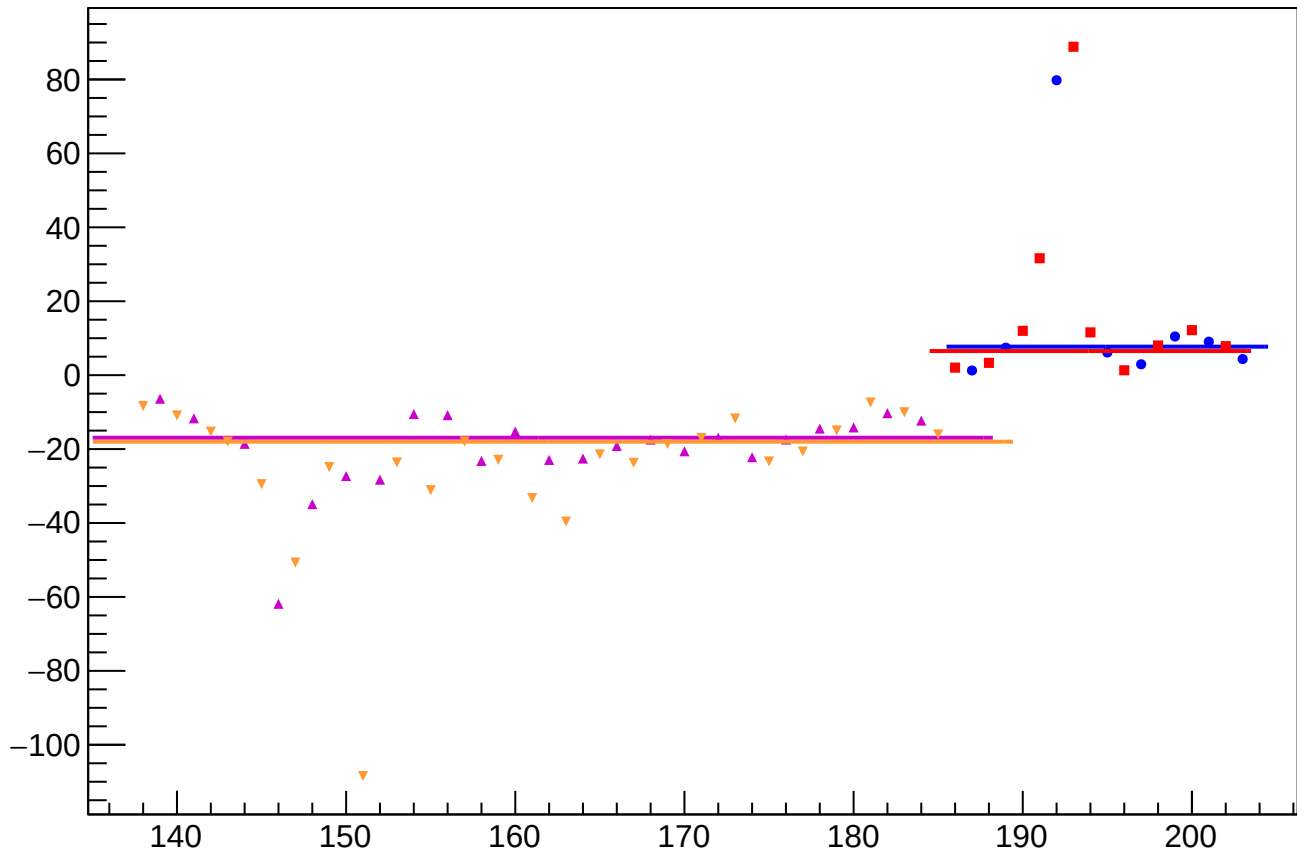
Left In: 0.087 ± 0.002 $\chi^2/\text{NDF}: 3655.4/22$

+ sign 0.150 ± 0.001 $\chi^2/\text{NDF}: 17716.0/49$

All: 0.139 ± 0.001 $\chi^2/\text{NDF}: 36309.3/101$

- sign 0.130 ± 0.001 $\chi^2/\text{NDF}: 18481.9/51$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 7.710 ± 0.076 χ^2/NDF : 24985.0/7

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 6.528 ± 0.068 χ^2/NDF : 25968.2/9

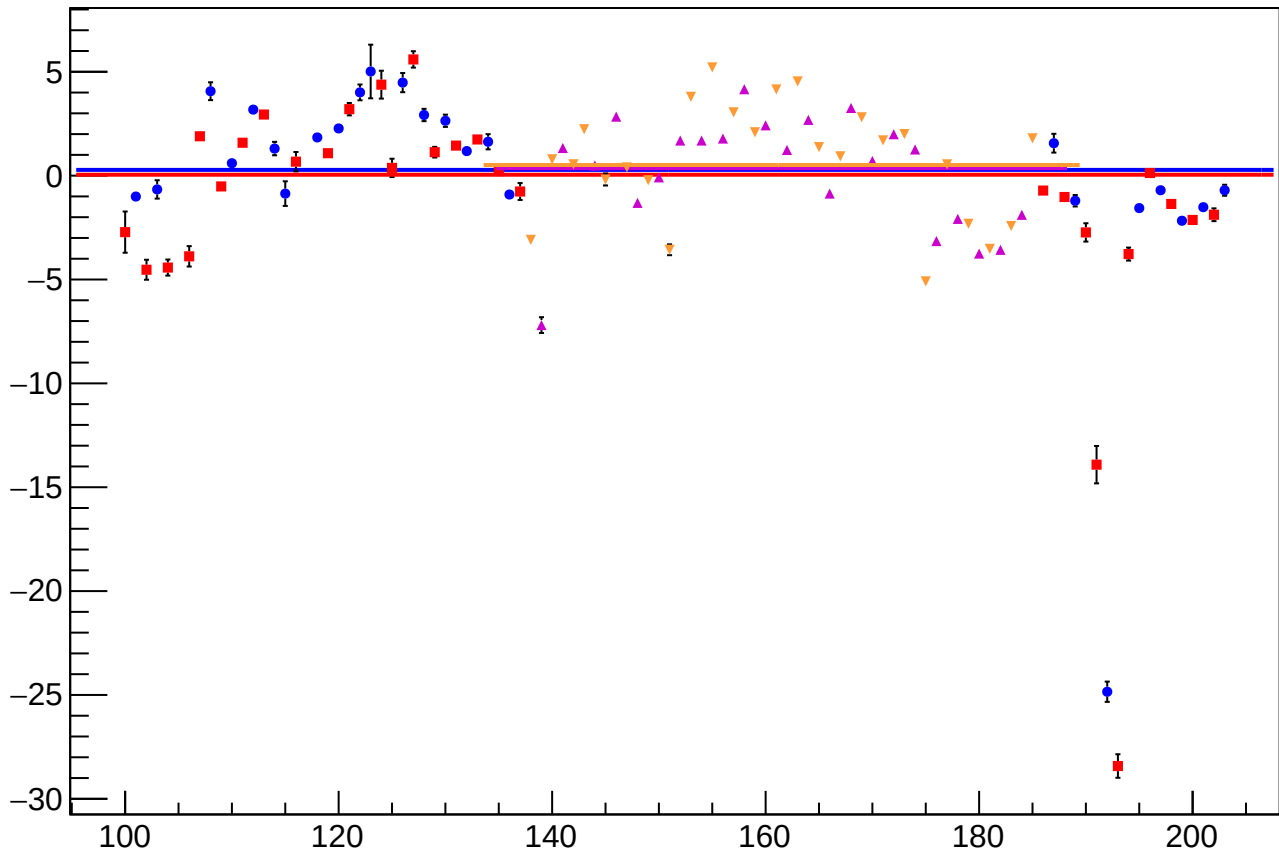
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -12.764 ± 0.034 χ^2/NDF : 203631.3/32

All: -12.060 ± 0.024 χ^2/NDF : 364701.0/65

- sign -11.409 ± 0.033 χ^2/NDF : 160266.1/32

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.277 ± 0.051 χ^2/NDF : 3945.8/24

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.045 ± 0.047 χ^2/NDF : 4411.8/28

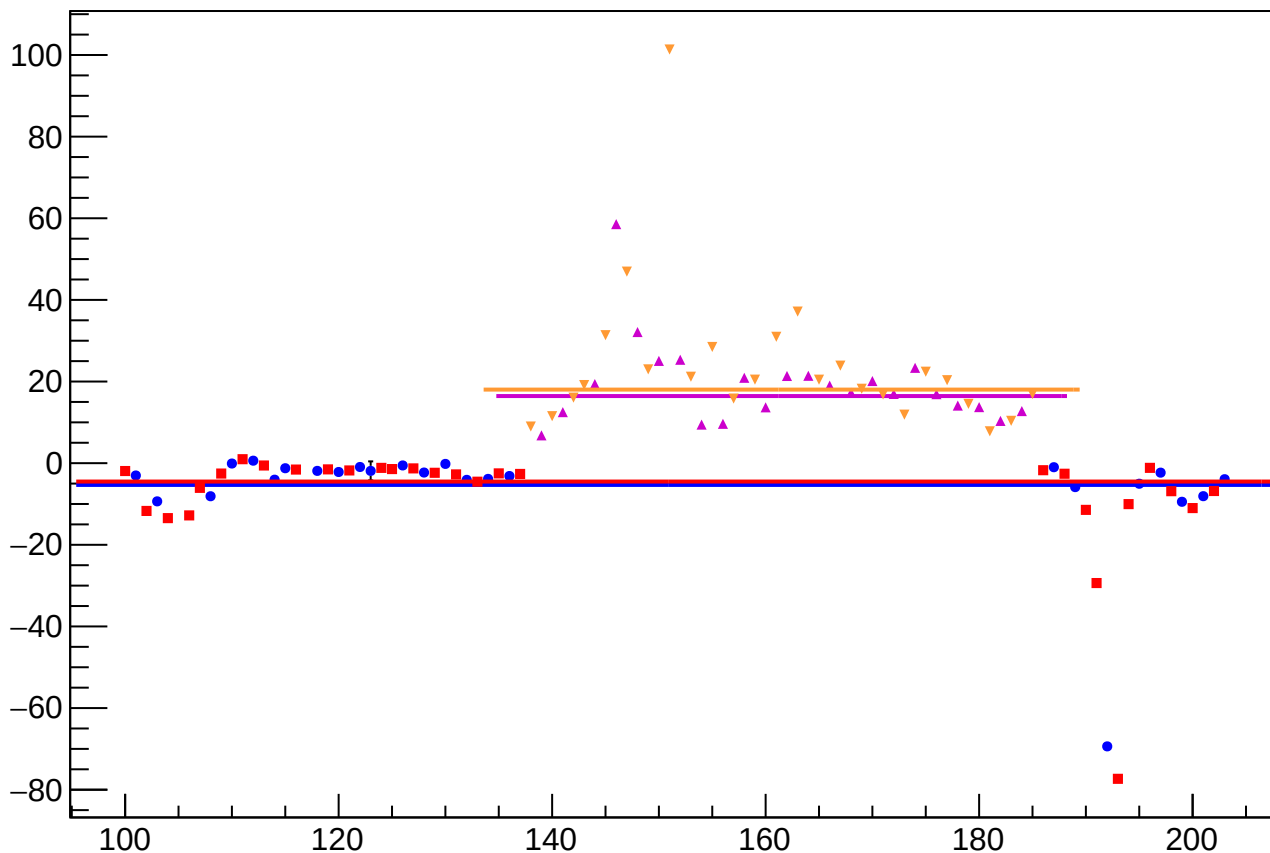
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.444 ± 0.027 χ^2/NDF : 11031.5/49

All: 0.351 ± 0.019 χ^2/NDF : 21718.2/101

- sign 0.267 ± 0.026 χ^2/NDF : 10664.2/51

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.326 ± 0.057 $\chi^2/\text{NDF}: 26943.4/24$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.501 ± 0.049 $\chi^2/\text{NDF}: 28109.1/28$

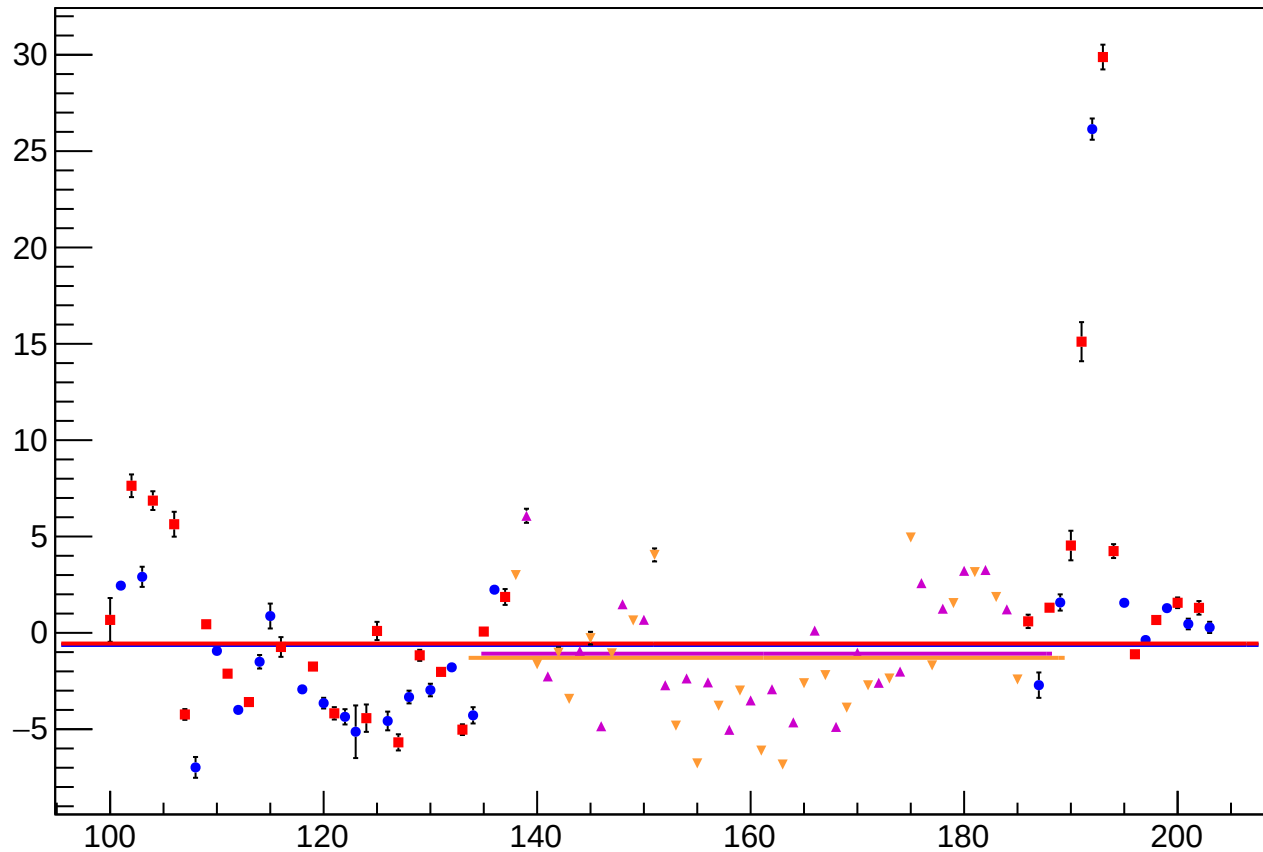
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 10.628 ± 0.032 $\chi^2/\text{NDF}: 219317.0/49$

All: 9.632 ± 0.022 $\chi^2/\text{NDF}: 404236.9/101$

- sign 8.769 ± 0.030 $\chi^2/\text{NDF}: 183121.4/51$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.629 ± 0.059 $\chi^2/\text{NDF}: 4006.1/24$

Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7925.1/24$

Right Out: -0.555 ± 0.055 $\chi^2/\text{NDF}: 4620.7/28$

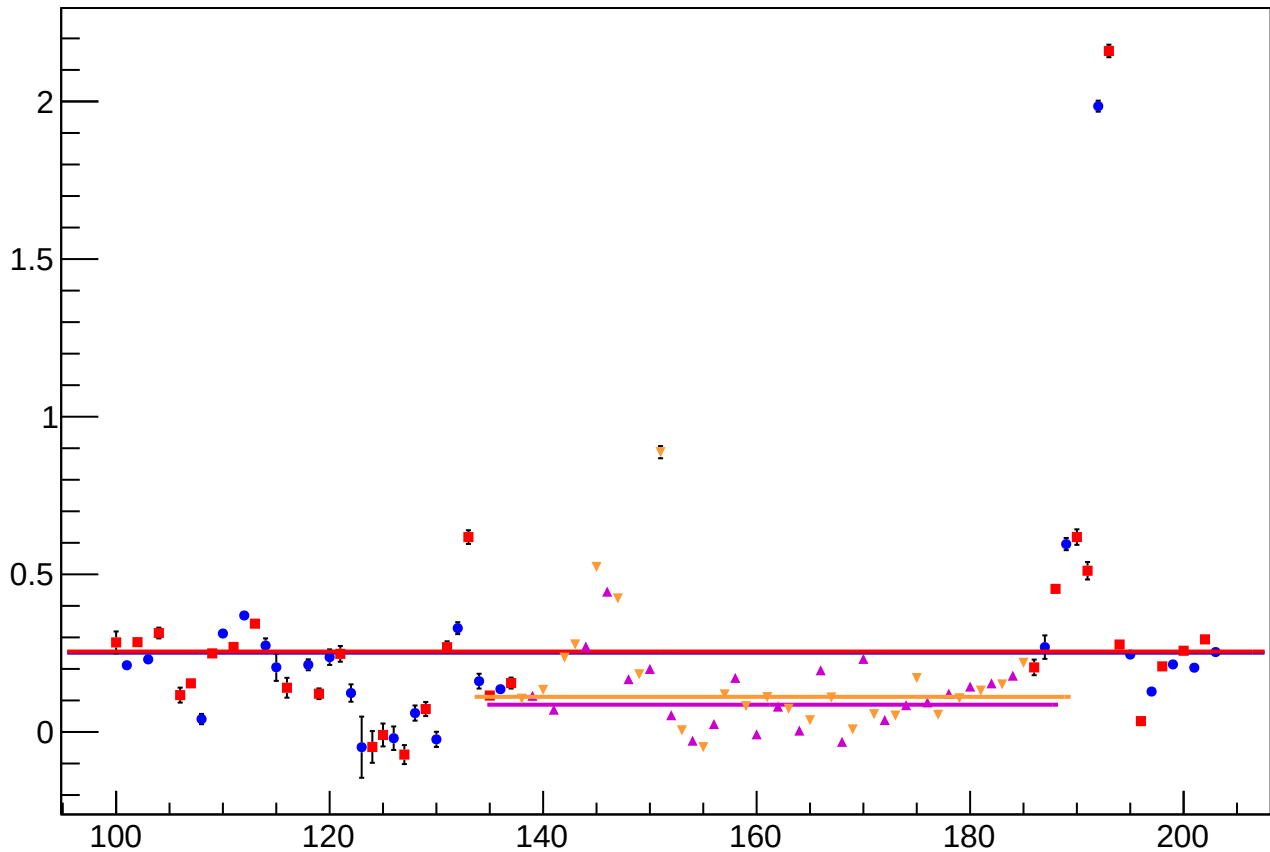
Left In: -1.082 ± 0.034 $\chi^2/\text{NDF}: 6724.1/22$

+ sign -1.118 ± 0.030 $\chi^2/\text{NDF}: 12025.5/49$

All: -1.023 ± 0.021 $\chi^2/\text{NDF}: 23454.2/101$

- sign -0.938 ± 0.029 $\chi^2/\text{NDF}: 11410.5/51$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.252 ± 0.003 $\chi^2/\text{NDF}: 11297.5/24$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4496.0/24$

Right Out: 0.255 ± 0.003 $\chi^2/\text{NDF}: 11730.7/28$

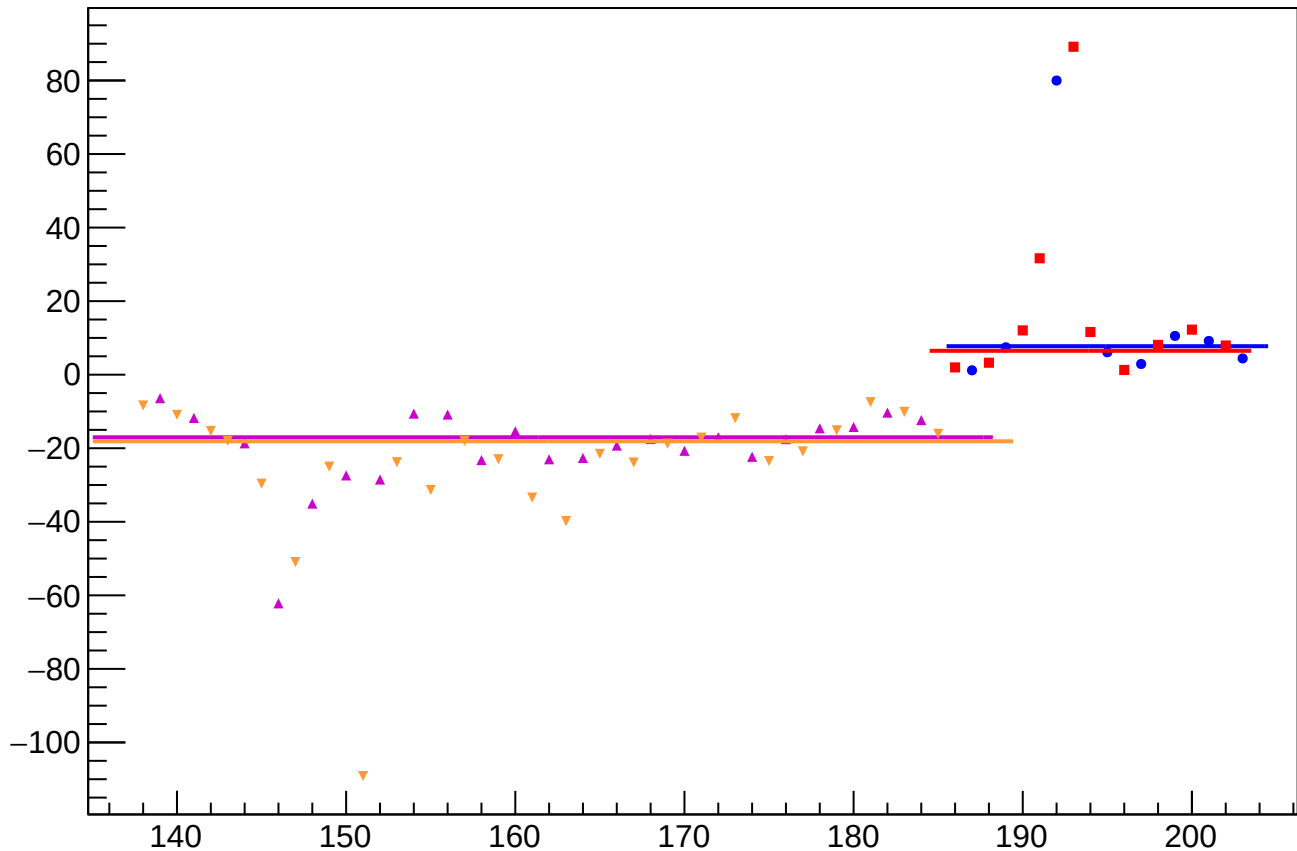
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3625.5/22$

+ sign 0.149 ± 0.001 $\chi^2/\text{NDF}: 17889.7/49$

All: 0.139 ± 0.001 $\chi^2/\text{NDF}: 36650.7/101$

- sign 0.130 ± 0.001 $\chi^2/\text{NDF}: 18655.3/51$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 7.746 ± 0.077 $\chi^2/\text{NDF}: 24969.2/7$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88529.7/24$

Right Out: 6.493 ± 0.068 $\chi^2/\text{NDF}: 26011.7/9$

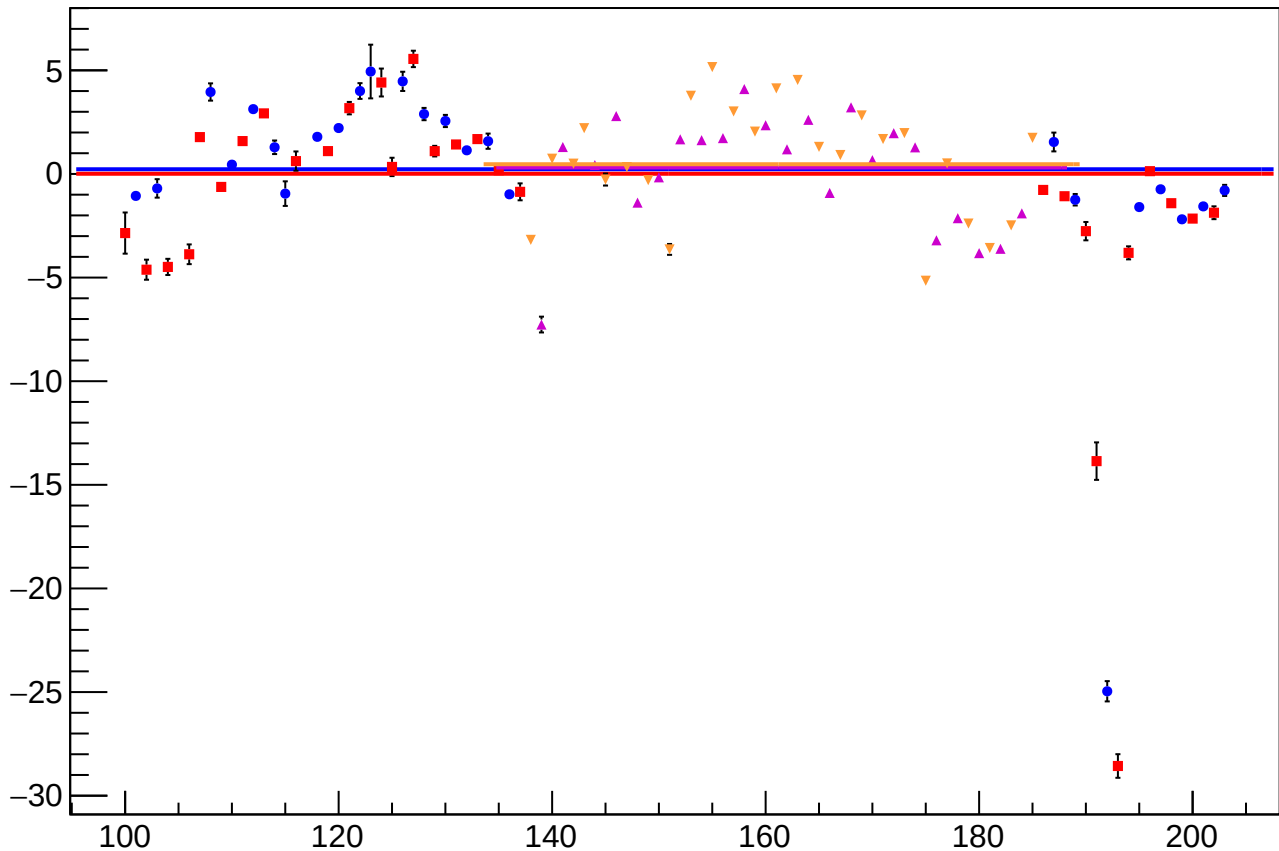
Left In: -17.024 ± 0.038 $\chi^2/\text{NDF}: 44141.8/22$

+ sign -12.866 ± 0.035 $\chi^2/\text{NDF}: 203585.2/32$

All: -12.140 ± 0.024 $\chi^2/\text{NDF}: 364789.1/65$

- sign -11.470 ± 0.033 $\chi^2/\text{NDF}: 160359.2/32$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.227 ± 0.051 χ^2/NDF : 3931.2/24

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.010 ± 0.047 χ^2/NDF : 4405.5/28

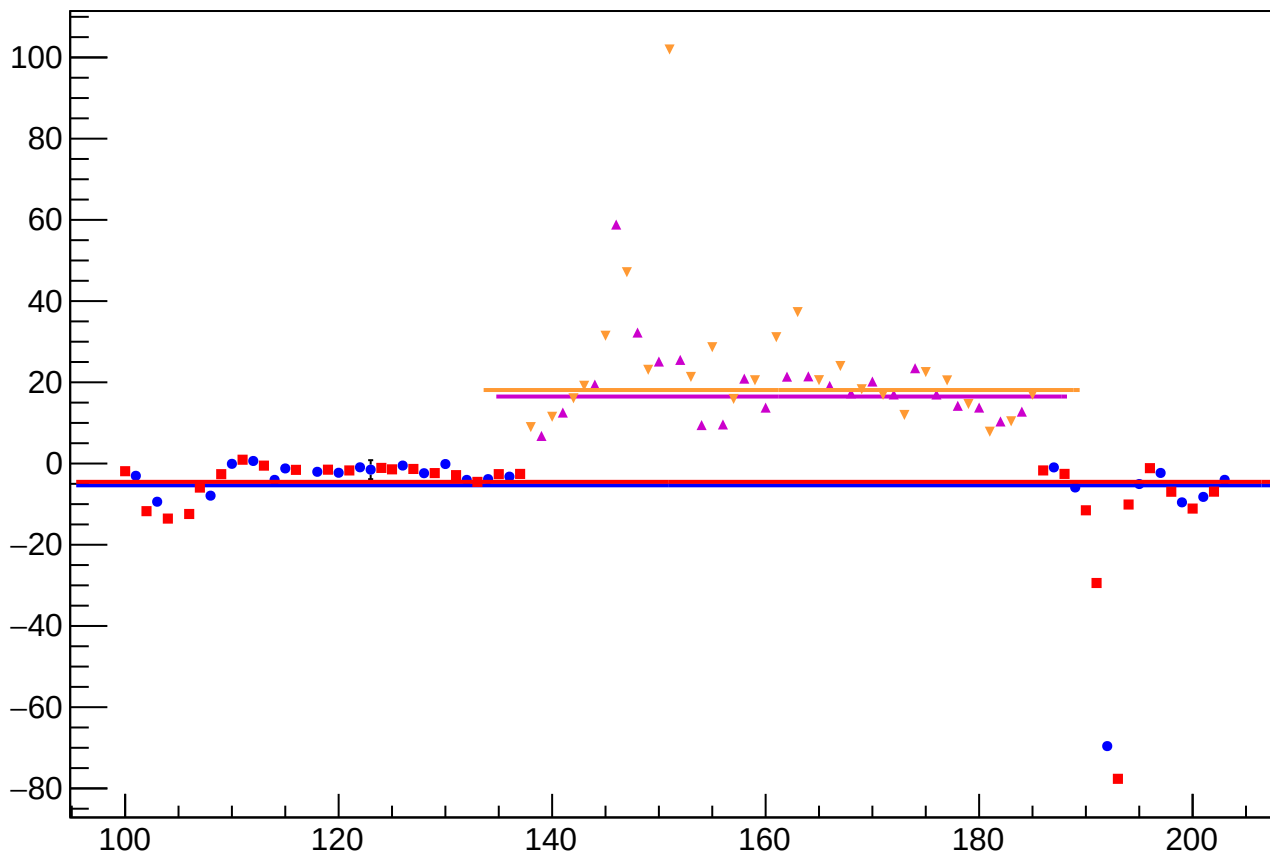
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.399 ± 0.027 χ^2/NDF : 11040.4/49

All: 0.306 ± 0.019 χ^2/NDF : 21679.8/101

- sign 0.222 ± 0.026 χ^2/NDF : 10617.0/51

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.368 ± 0.057 $\chi^2/\text{NDF}: 26940.2/24$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.508 ± 0.049 $\chi^2/\text{NDF}: 28127.5/28$

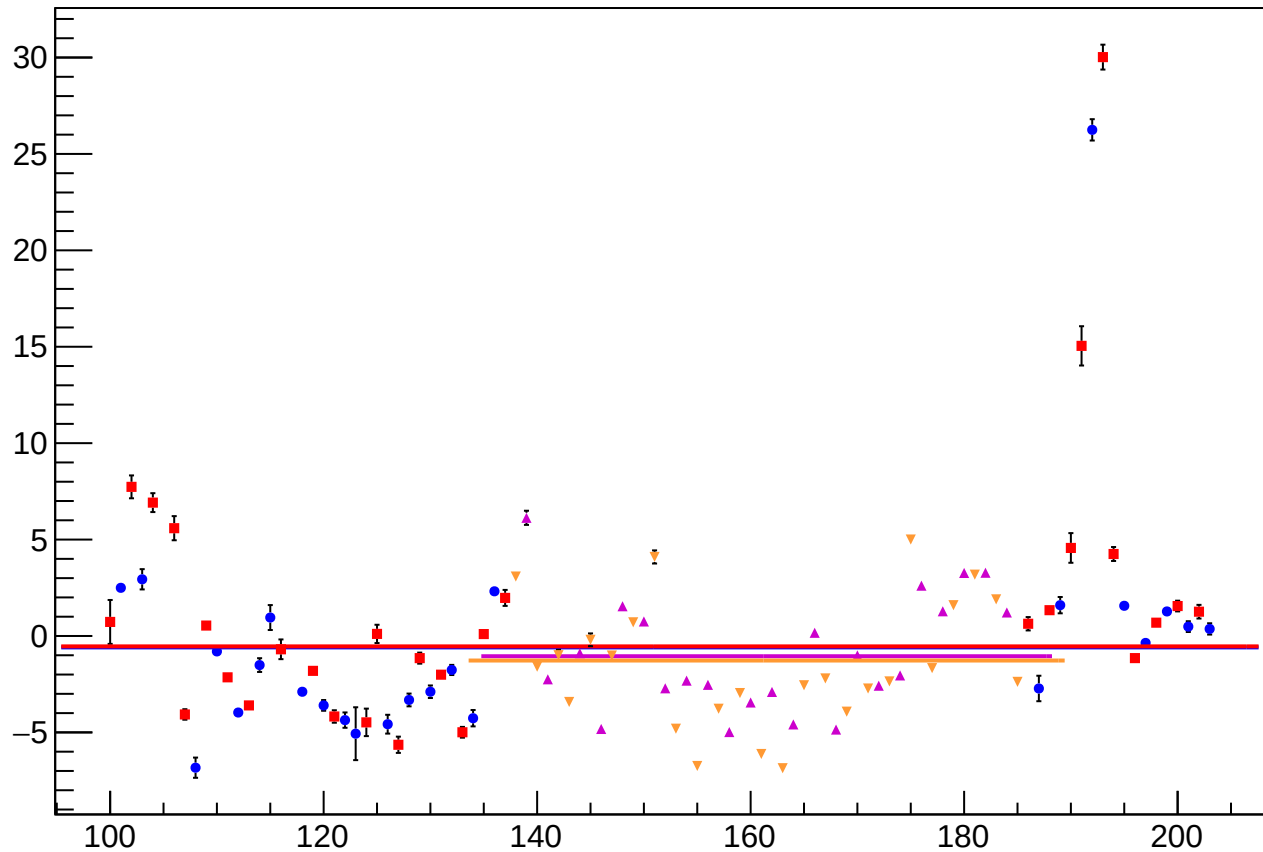
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 10.687 ± 0.032 $\chi^2/\text{NDF}: 219237.5/49$

All: 9.668 ± 0.022 $\chi^2/\text{NDF}: 404285.2/101$

- sign 8.788 ± 0.030 $\chi^2/\text{NDF}: 183184.8/51$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.591 ± 0.059 χ^2/NDF : 3996.0/24

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.540 ± 0.056 χ^2/NDF : 4618.0/28

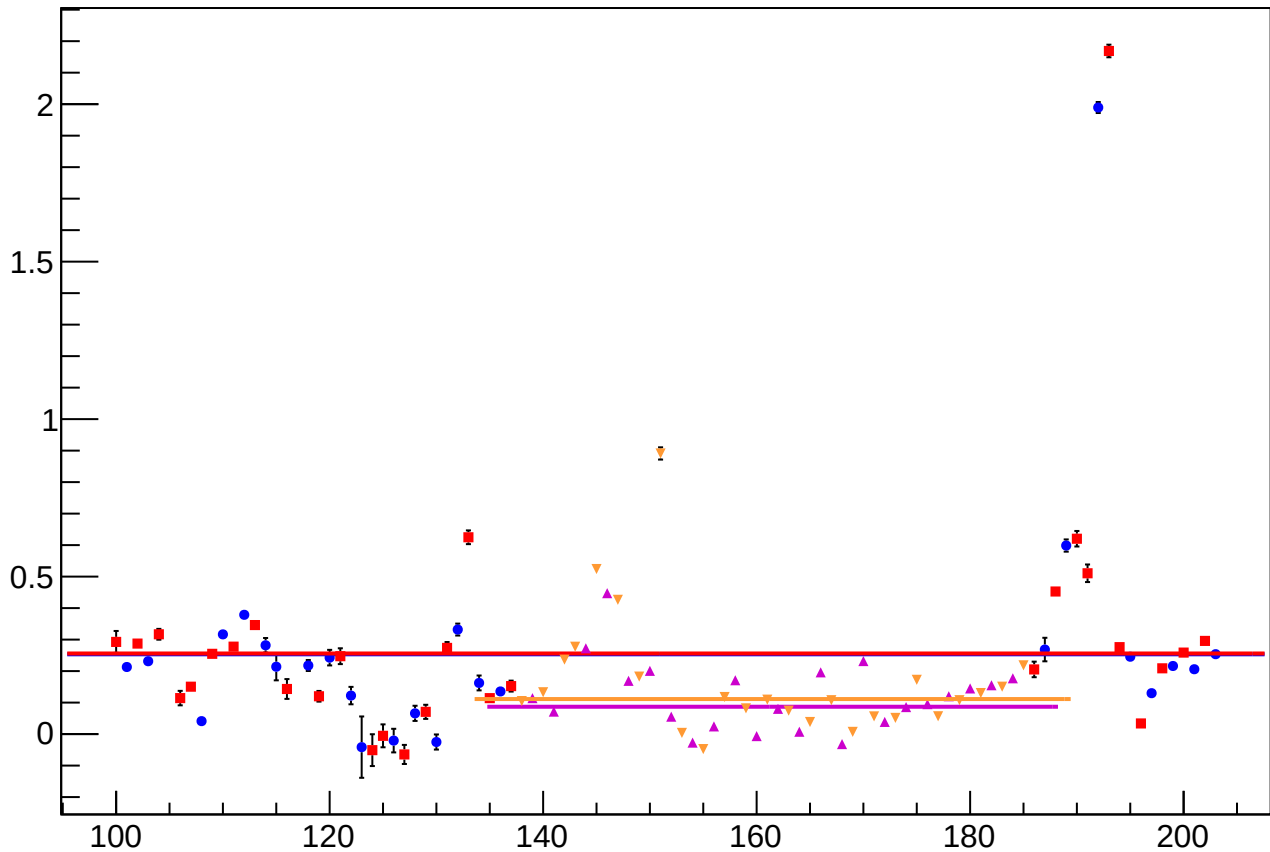
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.090 ± 0.031 χ^2/NDF : 12044.6/49

All: -0.996 ± 0.021 χ^2/NDF : 23415.4/101

- sign -0.911 ± 0.029 χ^2/NDF : 11352.8/51

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.253 ± 0.003 $\chi^2/\text{NDF}: 11288.3/24$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.256 ± 0.003 $\chi^2/\text{NDF}: 11747.2/28$

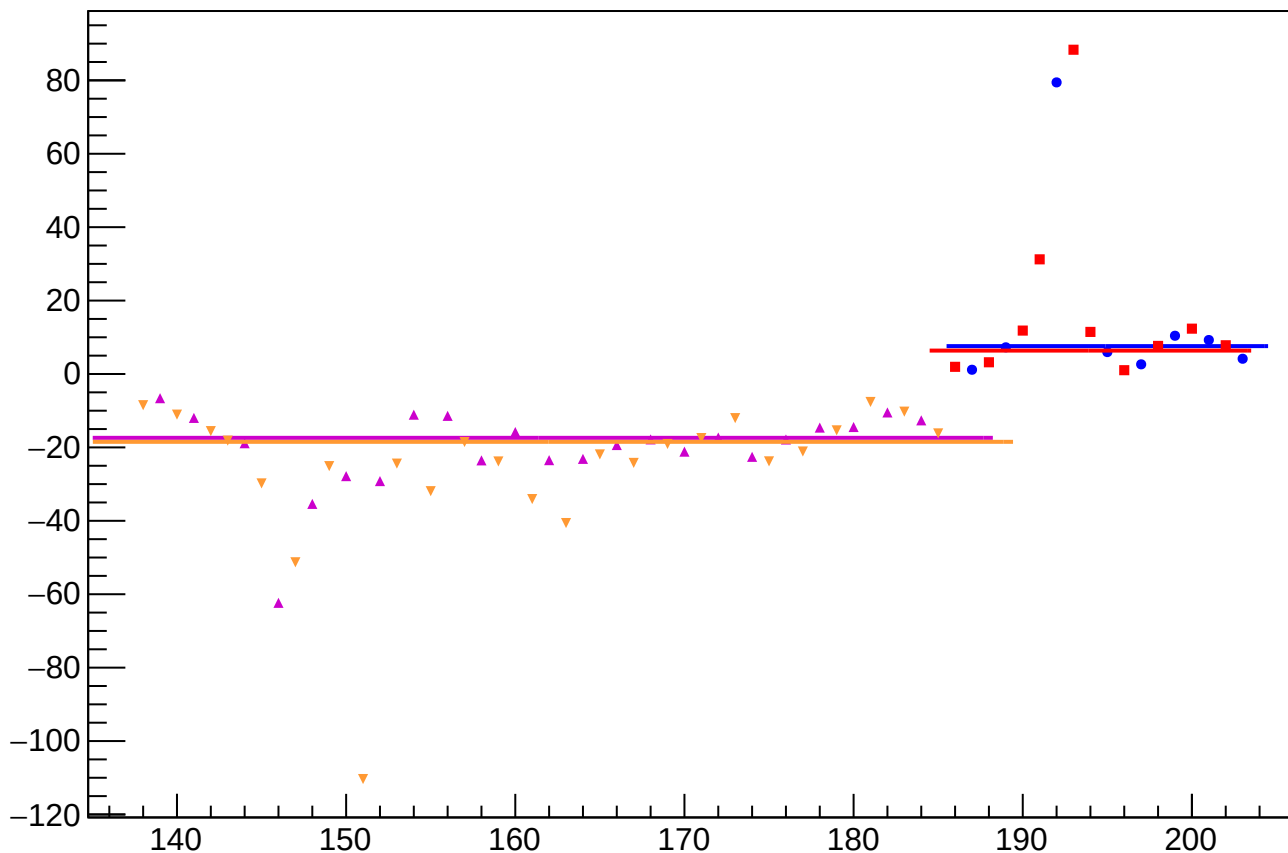
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.150 ± 0.001 $\chi^2/\text{NDF}: 17890.3/49$

All: 0.139 ± 0.001 $\chi^2/\text{NDF}: 36631.4/101$

- sign 0.131 ± 0.001 $\chi^2/\text{NDF}: 18638.8/51$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 7.594 ± 0.077 $\chi^2/\text{NDF}: 24654.9/7$

Left Out: -18.479 ± 0.040 $\chi^2/\text{NDF}: 87883.4/24$

Right Out: 6.378 ± 0.069 $\chi^2/\text{NDF}: 25544.8/9$

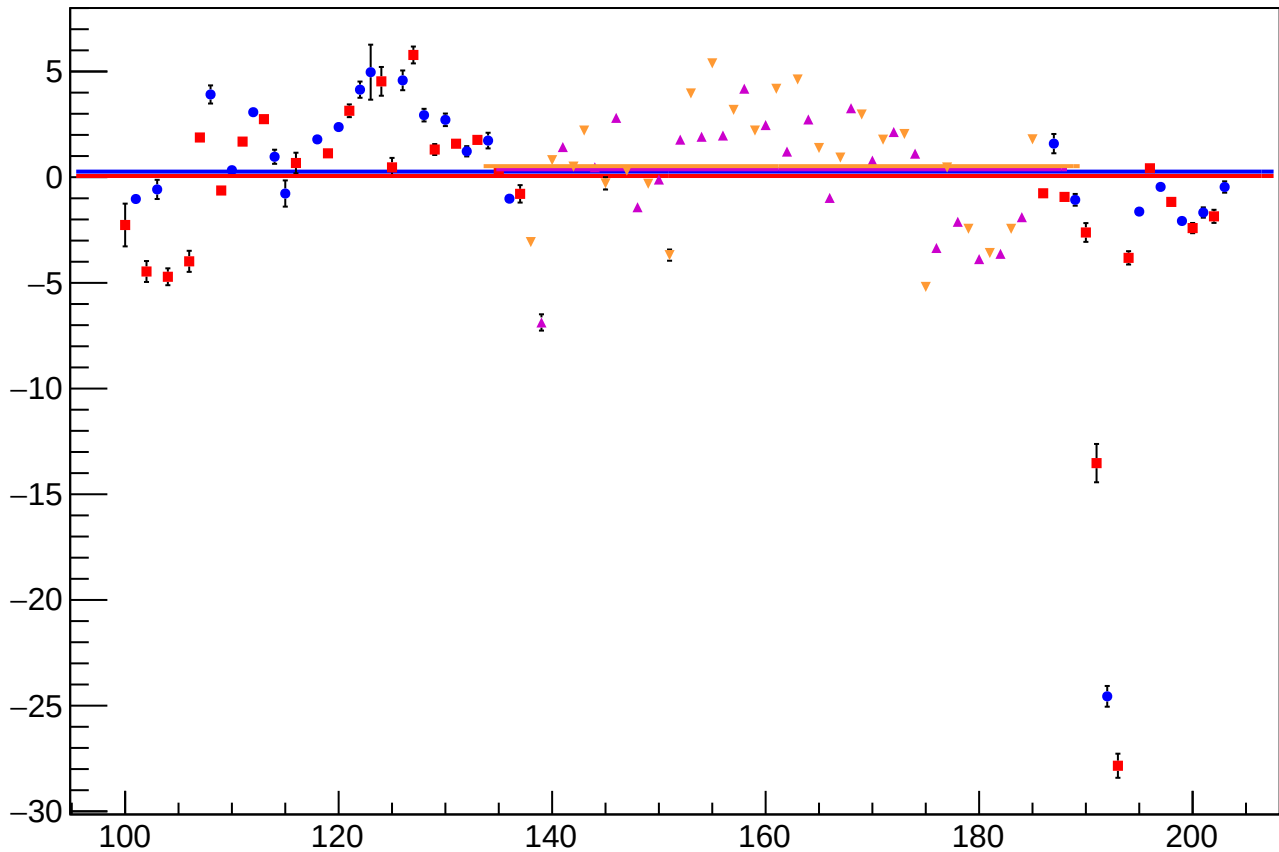
Left In: -17.393 ± 0.039 $\chi^2/\text{NDF}: 43178.9/22$

+ sign -13.039 ± 0.035 $\chi^2/\text{NDF}: 202541.4/32$

All: -12.293 ± 0.024 $\chi^2/\text{NDF}: 362730.6/65$

- sign -11.607 ± 0.034 $\chi^2/\text{NDF}: 159334.3/32$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.264 ± 0.051 $\chi^2/\text{NDF}: 3800.9/24$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.056 ± 0.048 $\chi^2/\text{NDF}: 4243.3/28$

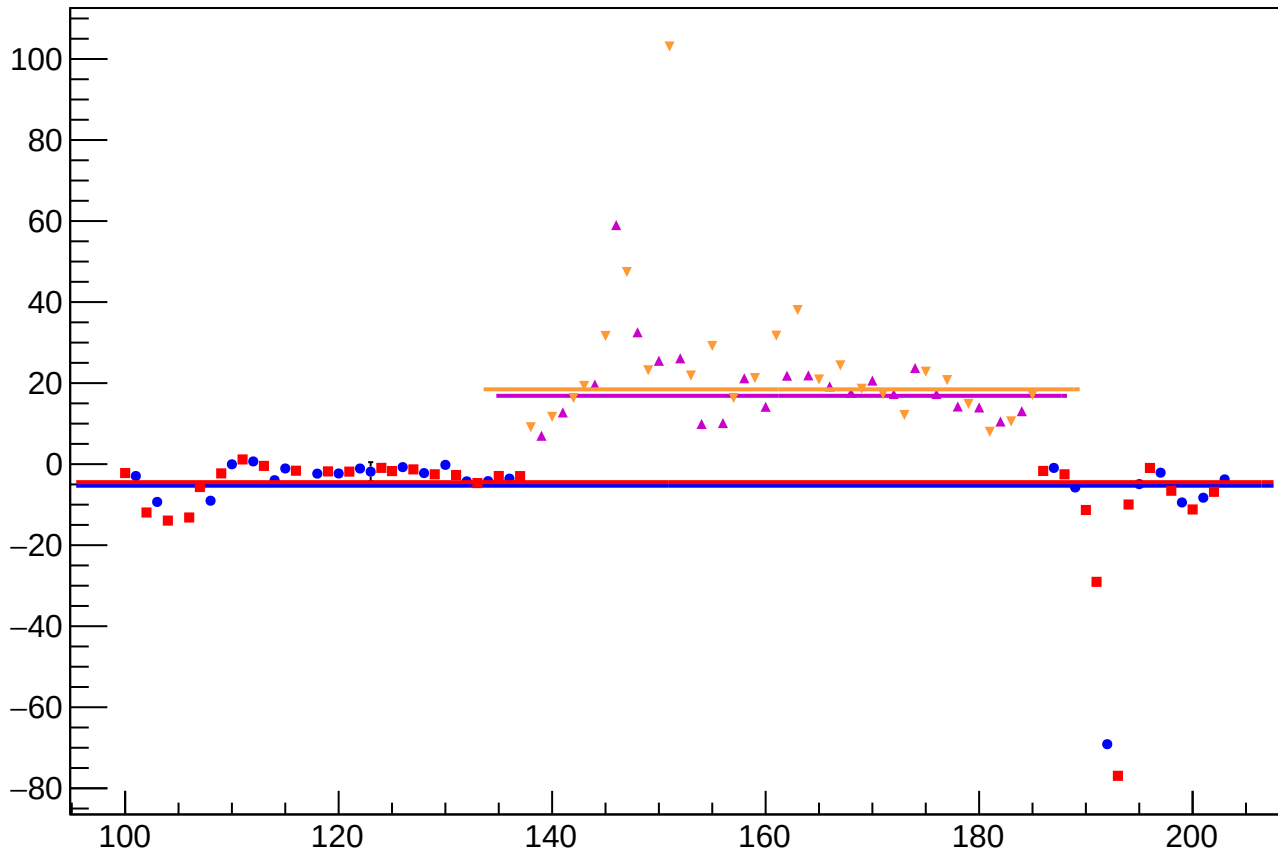
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.447 ± 0.028 $\chi^2/\text{NDF}: 10873.8/49$

All: 0.357 ± 0.019 $\chi^2/\text{NDF}: 21384.2/101$

- sign 0.277 ± 0.026 $\chi^2/\text{NDF}: 10490.9/51$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.321 $\pm$ 0.058 χ^2 /NDF: 26494.5/24

Left Out: 18.467 $\pm$ 0.040 χ^2 /NDF: 77226.7/24

Right Out: -4.443 $\pm$ 0.050 χ^2 /NDF: 27630.6/28

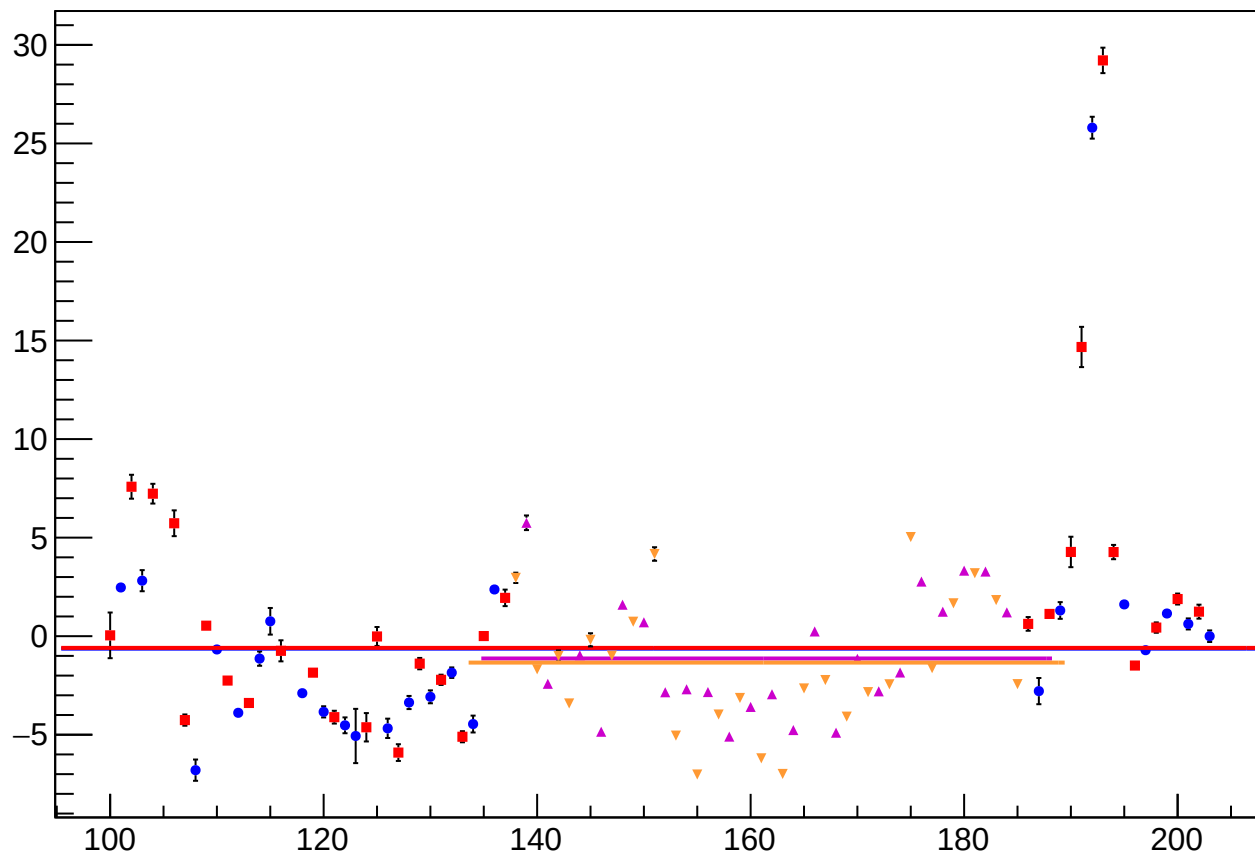
Left In: 16.867 $\pm$ 0.039 χ^2 /NDF: 39779.0/22

+ sign 10.807 $\pm$ 0.033 χ^2 /NDF: 218273.3/49

All: 9.777 $\pm$ 0.022 χ^2 /NDF: 401826.6/101

- sign 8.888 $\pm$ 0.031 χ^2 /NDF: 181721.8/51

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.632 ± 0.060 χ^2/NDF : 3882.1/24

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.594 ± 0.056 χ^2/NDF : 4461.4/28

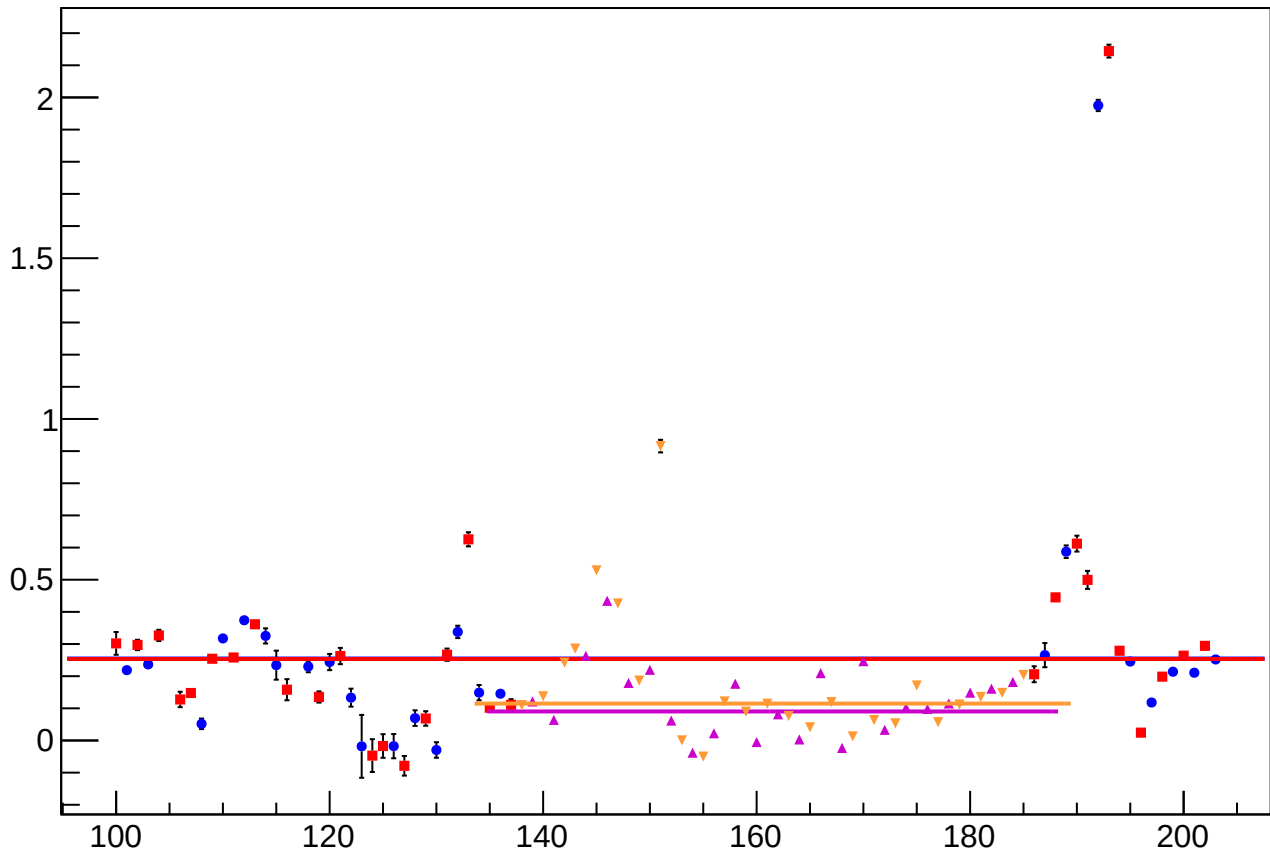
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.148 ± 0.031 χ^2/NDF : 11890.9/49

All: -1.062 ± 0.022 χ^2/NDF : 23141.1/101

- sign -0.983 ± 0.030 χ^2/NDF : 11235.7/51

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.255 $\pm$ 0.003 χ^2 /NDF: 11027.8/24

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF:4431.9/24

Right Out: 0.253 $\pm$ 0.003 χ^2 /NDF: 11599.8/28

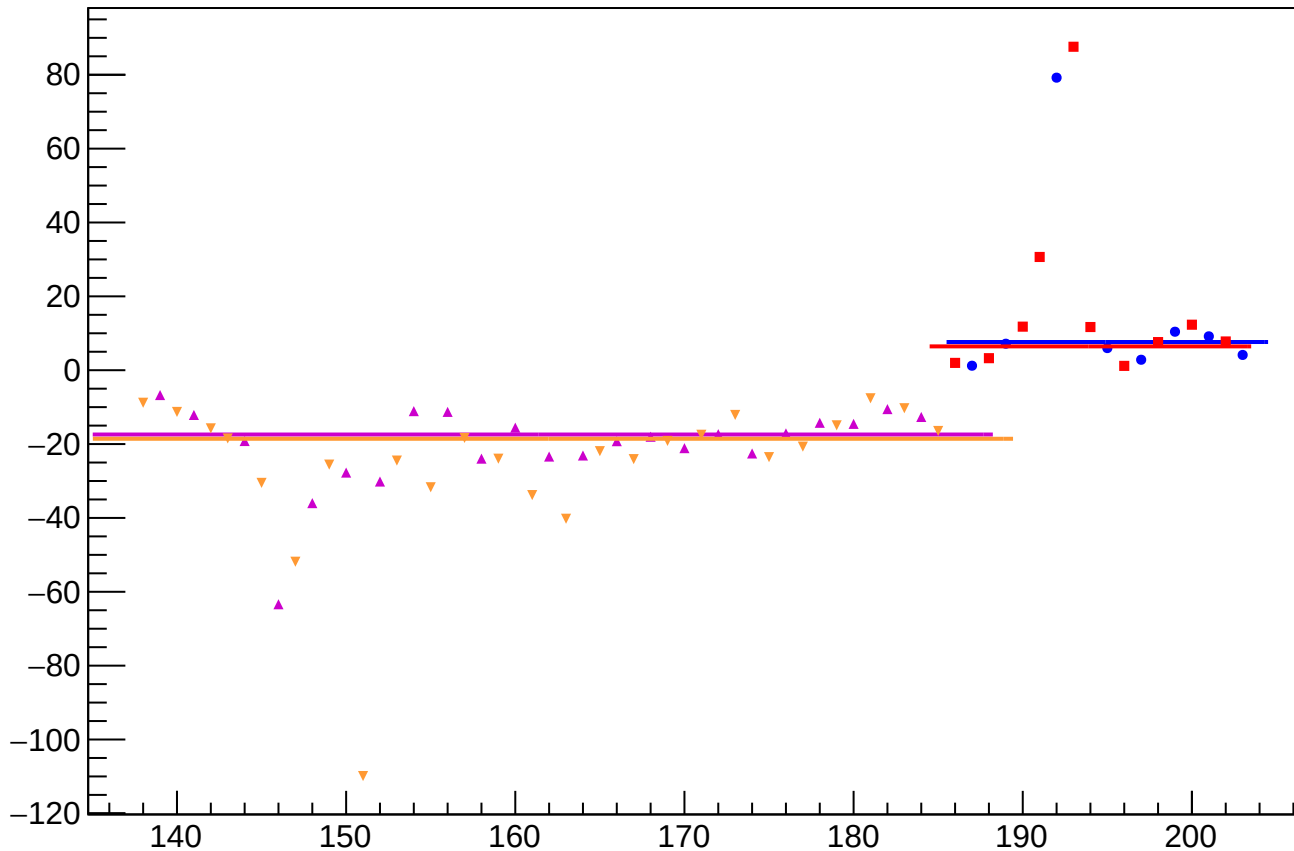
Left In: 0.090 $\pm$ 0.002 χ^2 /NDF:3676.5/22

+ sign 0.153 $\pm$ 0.001 χ^2 /NDF: 17471.9/49

All: 0.143 $\pm$ 0.001 χ^2 /NDF: 35833.3/101

- sign 0.133 $\pm$ 0.001 χ^2 /NDF: 18253.1/51

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 7.637 ± 0.078 $\chi^2/\text{NDF}: 24168.2/7$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 6.452 ± 0.070 $\chi^2/\text{NDF}: 24877.1/9$

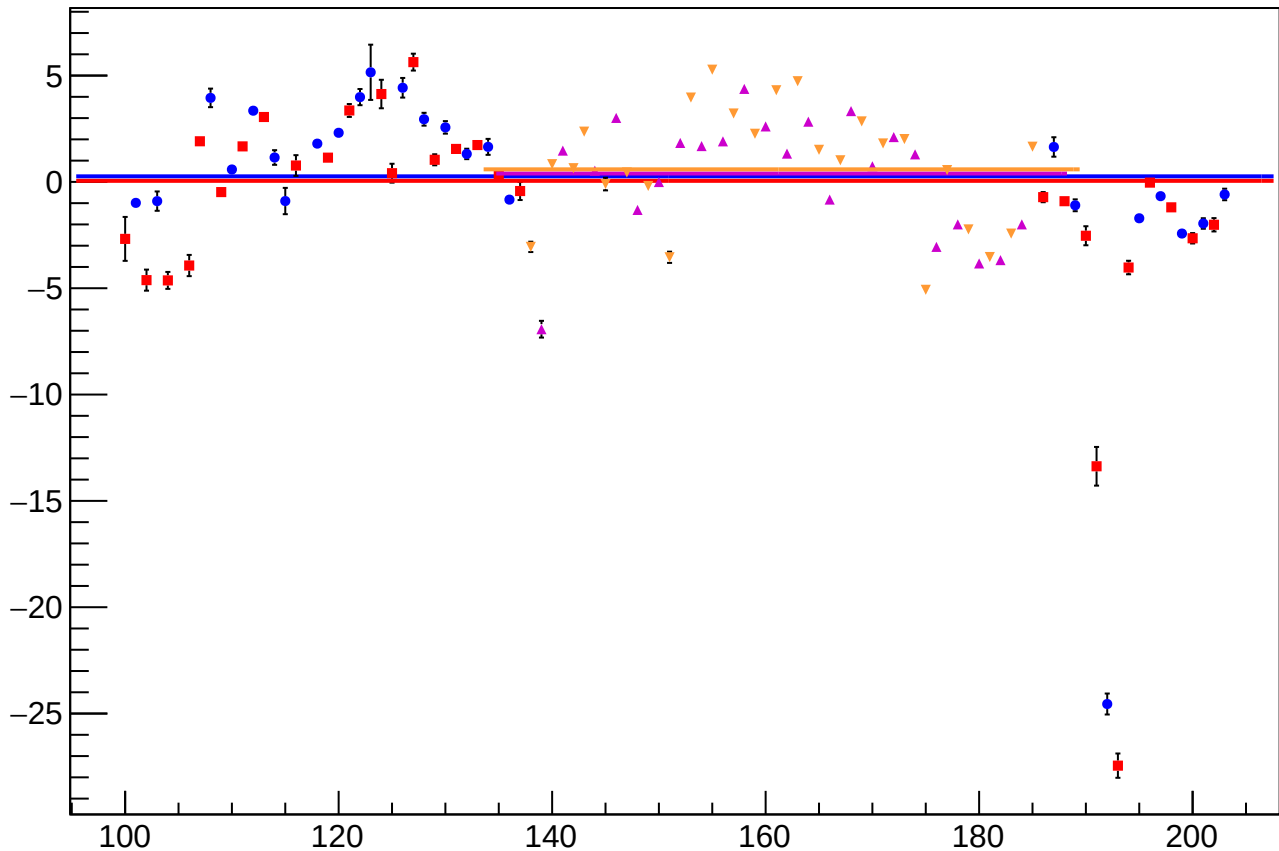
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -13.109 ± 0.036 $\chi^2/\text{NDF}: 199490.7/32$

All: -12.344 ± 0.025 $\chi^2/\text{NDF}: 357972.9/65$

- sign -11.640 ± 0.034 $\chi^2/\text{NDF}: 157598.4/32$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.261 ± 0.052 $\chi^2/\text{NDF}: 3846.4/24$

Left Out: 0.591 ± 0.033 $\chi^2/\text{NDF}: 6796.5/24$

Right Out: 0.050 ± 0.049 $\chi^2/\text{NDF}: 4201.3/28$

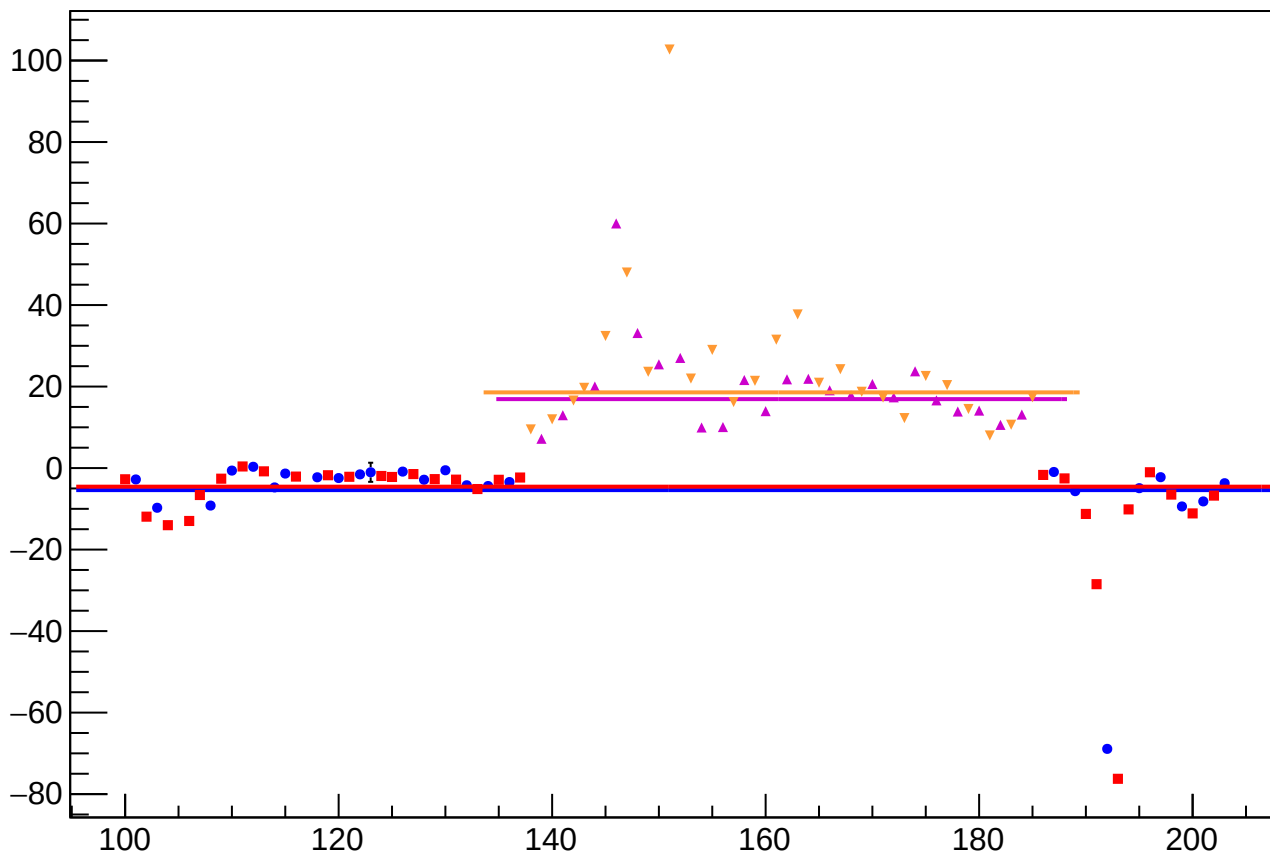
Left In: 0.394 ± 0.032 $\chi^2/\text{NDF}: 6059.8/22$

+ sign 0.495 ± 0.028 $\chi^2/\text{NDF}: 10671.4/49$

All: 0.388 ± 0.019 $\chi^2/\text{NDF}: 20995.1/101$

- sign 0.292 ± 0.027 $\chi^2/\text{NDF}: 10296.1/51$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.407 ± 0.059 $\chi^2/\text{NDF}: 25799.6/24$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.563 ± 0.051 $\chi^2/\text{NDF}: 26729.6/28$

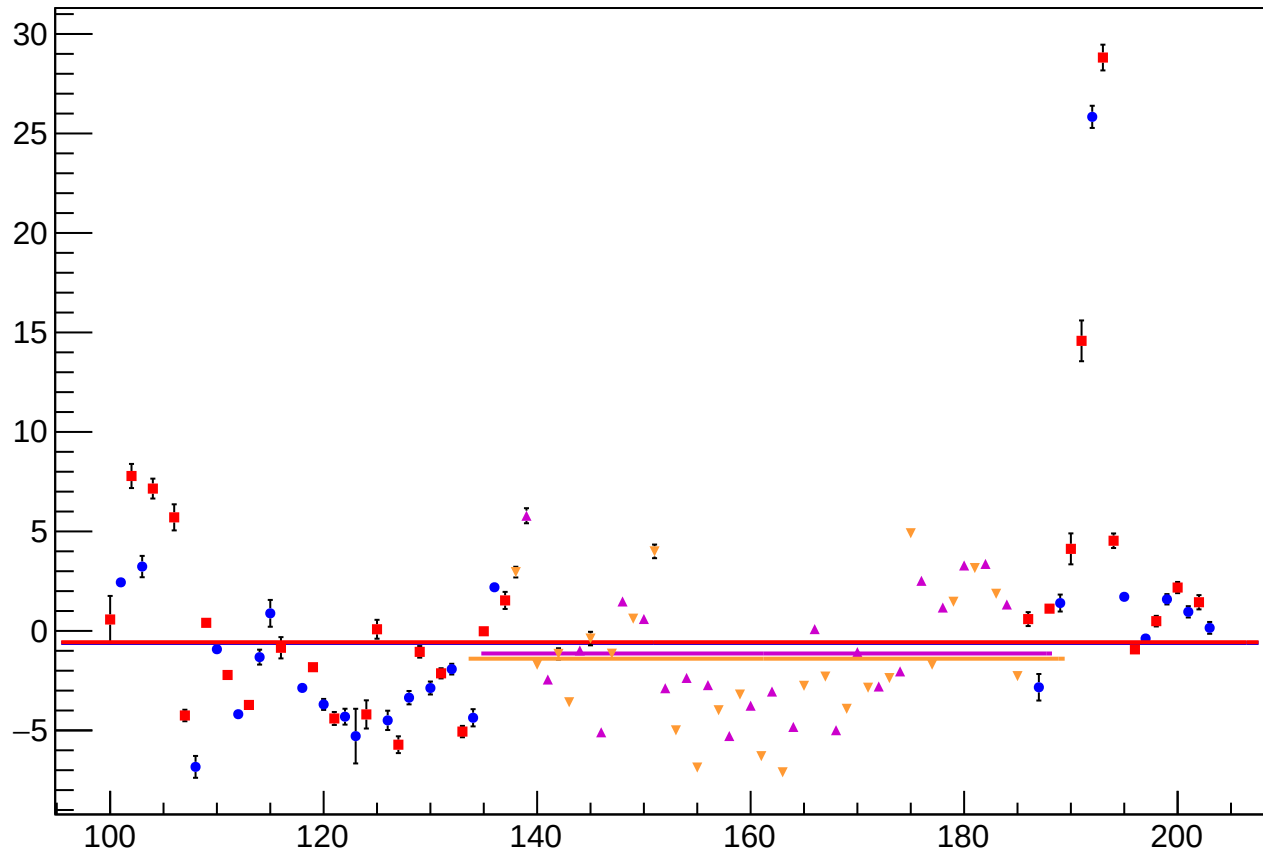
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 10.881 ± 0.033 $\chi^2/\text{NDF}: 215632.8/49$

All: 9.838 ± 0.023 $\chi^2/\text{NDF}: 397635.6/101$

- sign 8.937 ± 0.031 $\chi^2/\text{NDF}: 180161.4/51$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.607 ± 0.061 χ^2/NDF : 3882.1/24

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.569 ± 0.057 χ^2/NDF : 4403.0/28

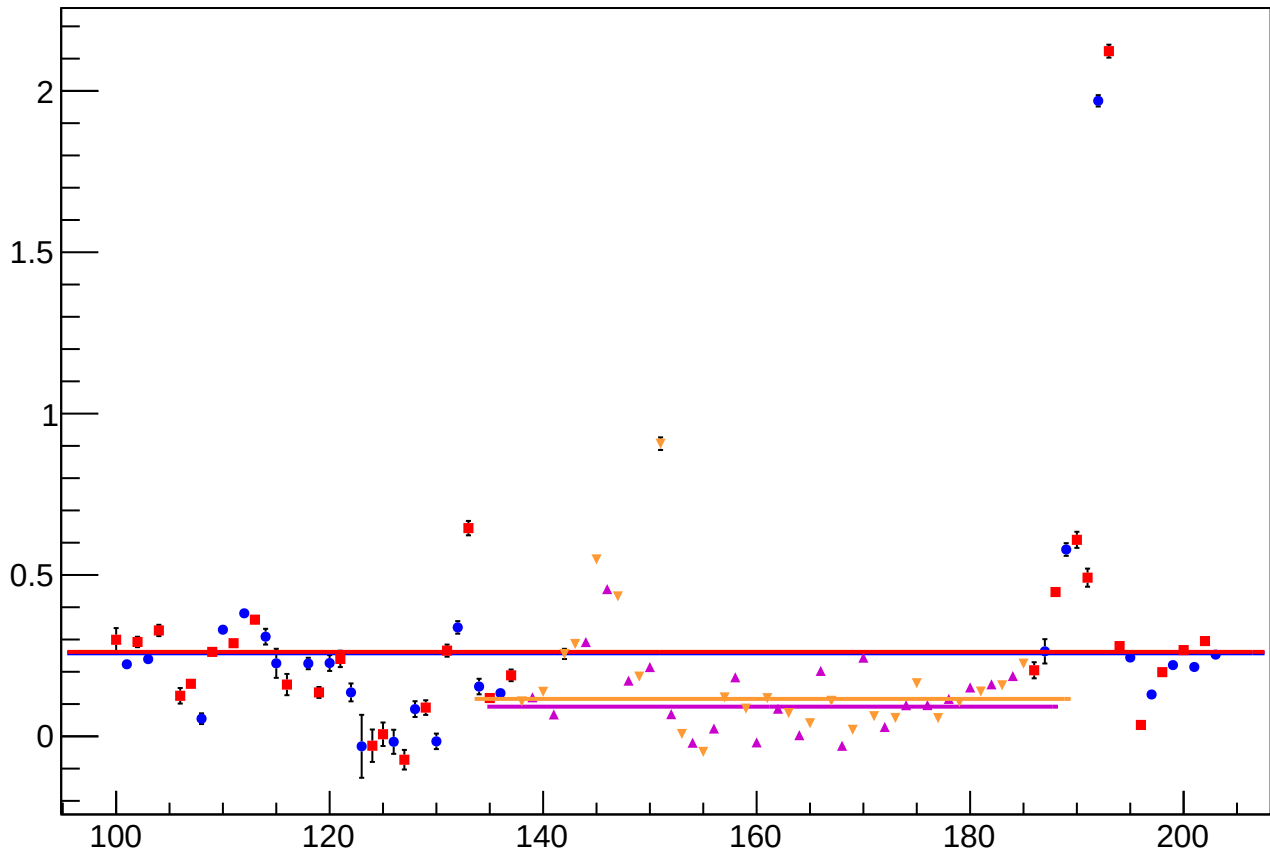
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.183 ± 0.032 χ^2/NDF : 11657.2/49

All: -1.076 ± 0.022 χ^2/NDF : 22750.5/101

- sign -0.979 ± 0.030 χ^2/NDF : 11071.5/51

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 10784.0/24$

Left Out: 0.116 ± 0.002 $\chi^2/\text{NDF}: 4463.0/24$

Right Out: 0.262 ± 0.003 $\chi^2/\text{NDF}: 11071.9/28$

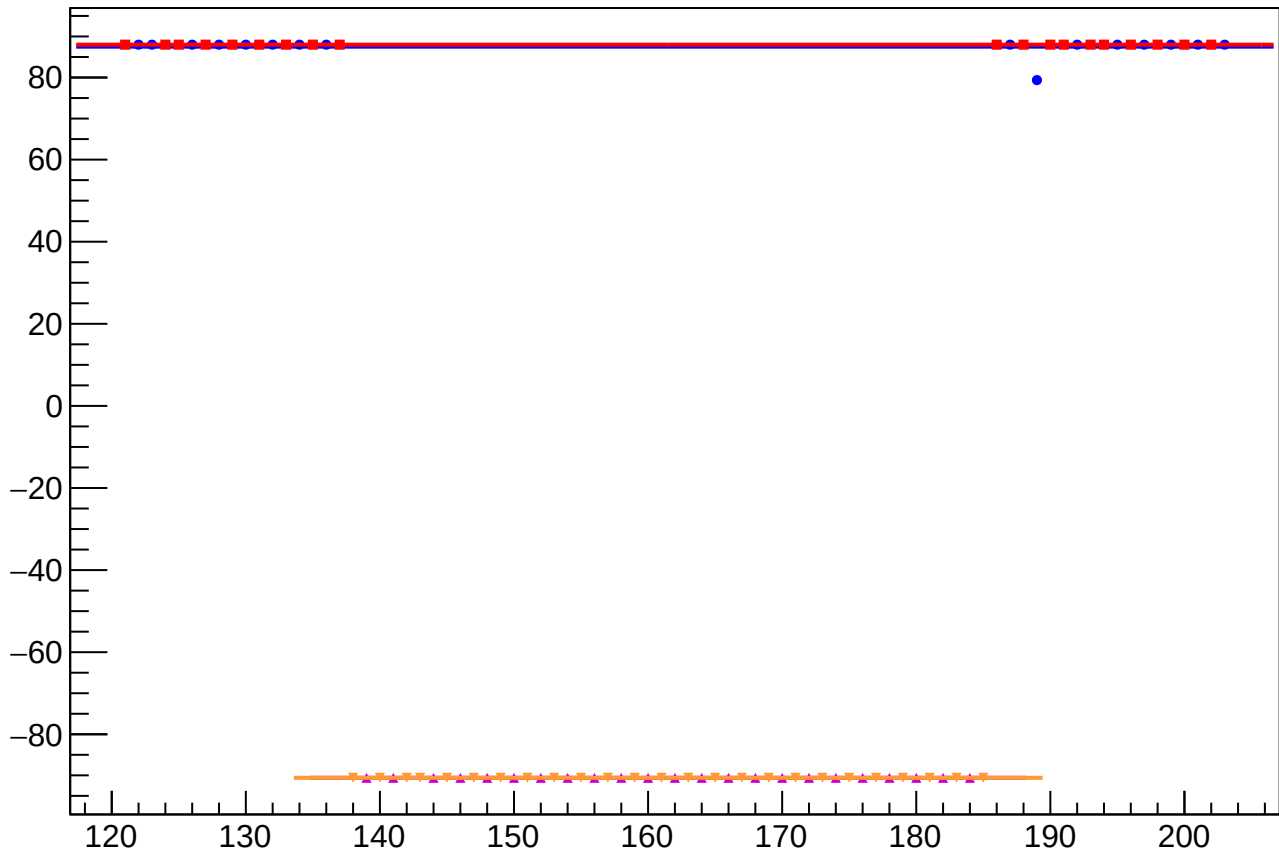
Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3631.4/22$

+ sign 0.155 ± 0.001 $\chi^2/\text{NDF}: 17249.1/49$

All: 0.145 ± 0.001 $\chi^2/\text{NDF}: 35168.7/101$

- sign 0.136 ± 0.001 $\chi^2/\text{NDF}: 17830.3/51$

VWienAngle_mean vs Slug



Right In: 87.518+/-0.000 χ^2/NDF : 3583854999341962563398831058190336.0/15

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 564849.7/18

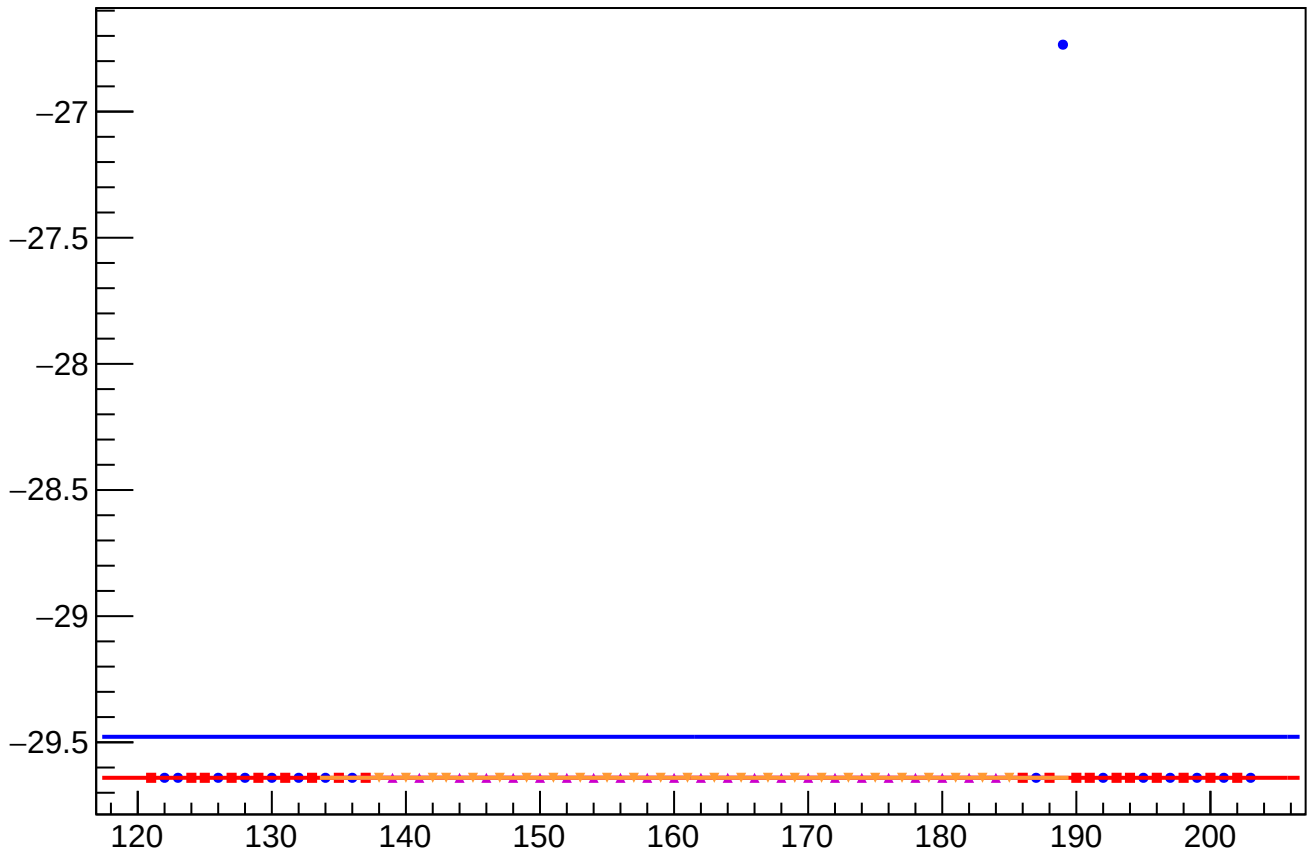
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -33.036+/-0.000 χ^2/NDF : 195868250553102

All: -30.497+/-0.000 χ^2/NDF : 398936992427

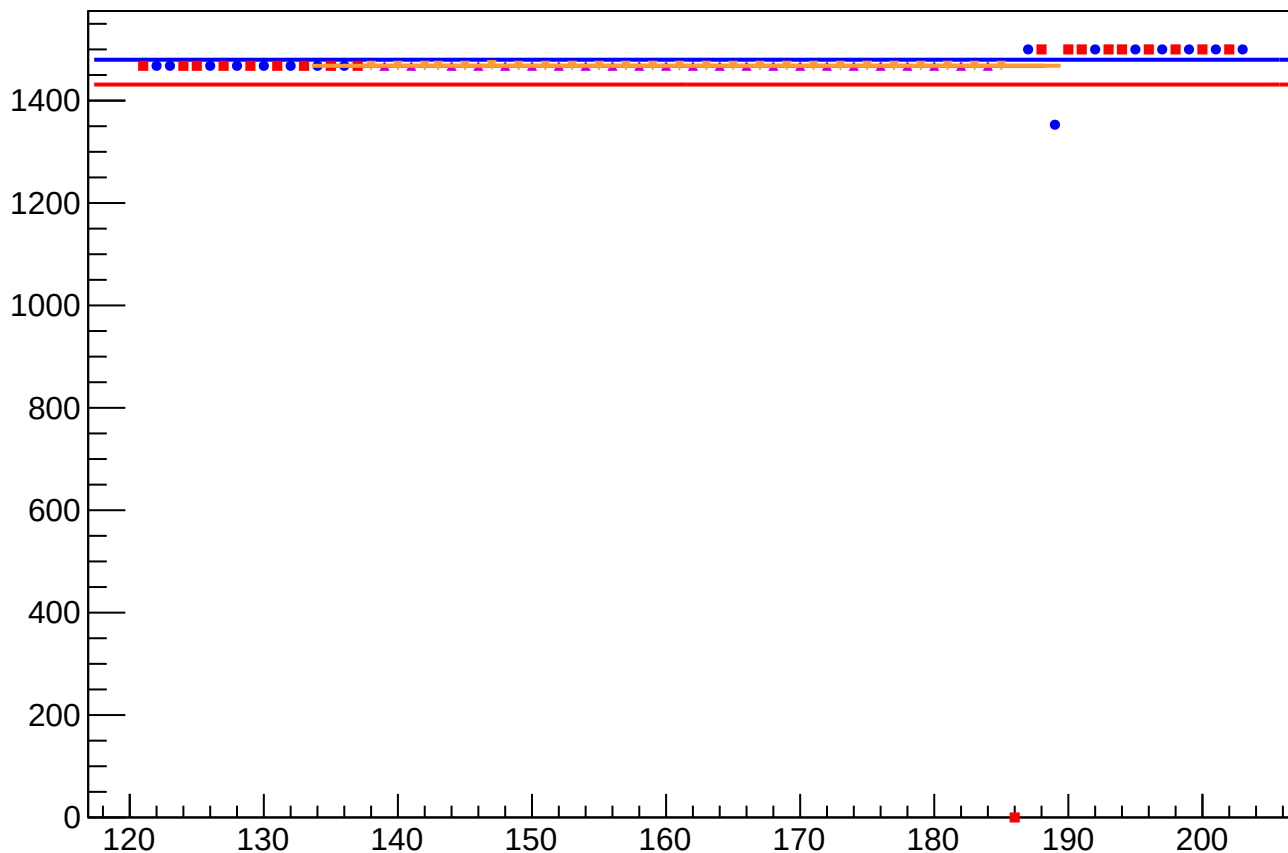
- sign -27.929+/-0.000 χ^2/NDF : 2027028467499640

HWienAngle_mean vs Slug



Right In: -29.478+/-0.000 χ^2/NDF : 406588554341835614815904126205952.0/15
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.588+/-0.000 χ^2/NDF : 422888964458806
Right Out: -29.641+/-0.000 χ^2/NDF : 1252168.4/18 All: -29.614+/-0.000 χ^2/NDF : 426758390439
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2273030.1/41

psub_pl_pos_mean vs Slug



Right In: 1479.874+/-0.000 χ^2/NDF : 1081117819642188159054202669029654528.0/15

+ sign 1471.870+/-0.000 χ^2/NDF : 11675808172683

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

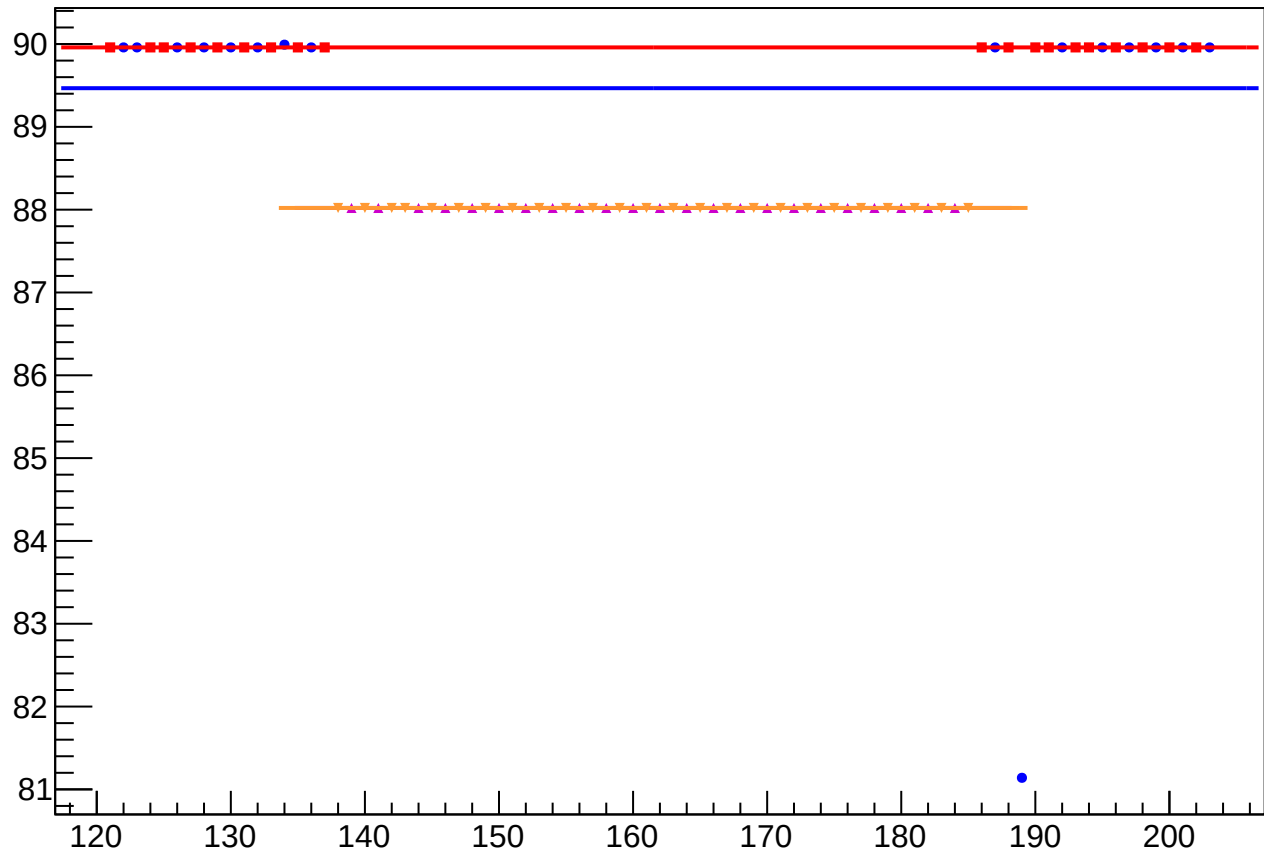
All: 1463.561+/-0.000 χ^2/NDF : 83628121627

Right Out: 1431.410+/-0.000 χ^2/NDF : 81218146005158958630670070305655881728.0/18

- sign 1455.157+/-0.000 χ^2/NDF : 82068649897380

Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

Phi_FG_mean vs Slug



Right In: 89.467+/-0.000 χ^2/NDF : 3745865911468480936399271354171392.0/15

Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24

Right Out: 89.959+/-0.000 χ^2/NDF : 3189976.8/18

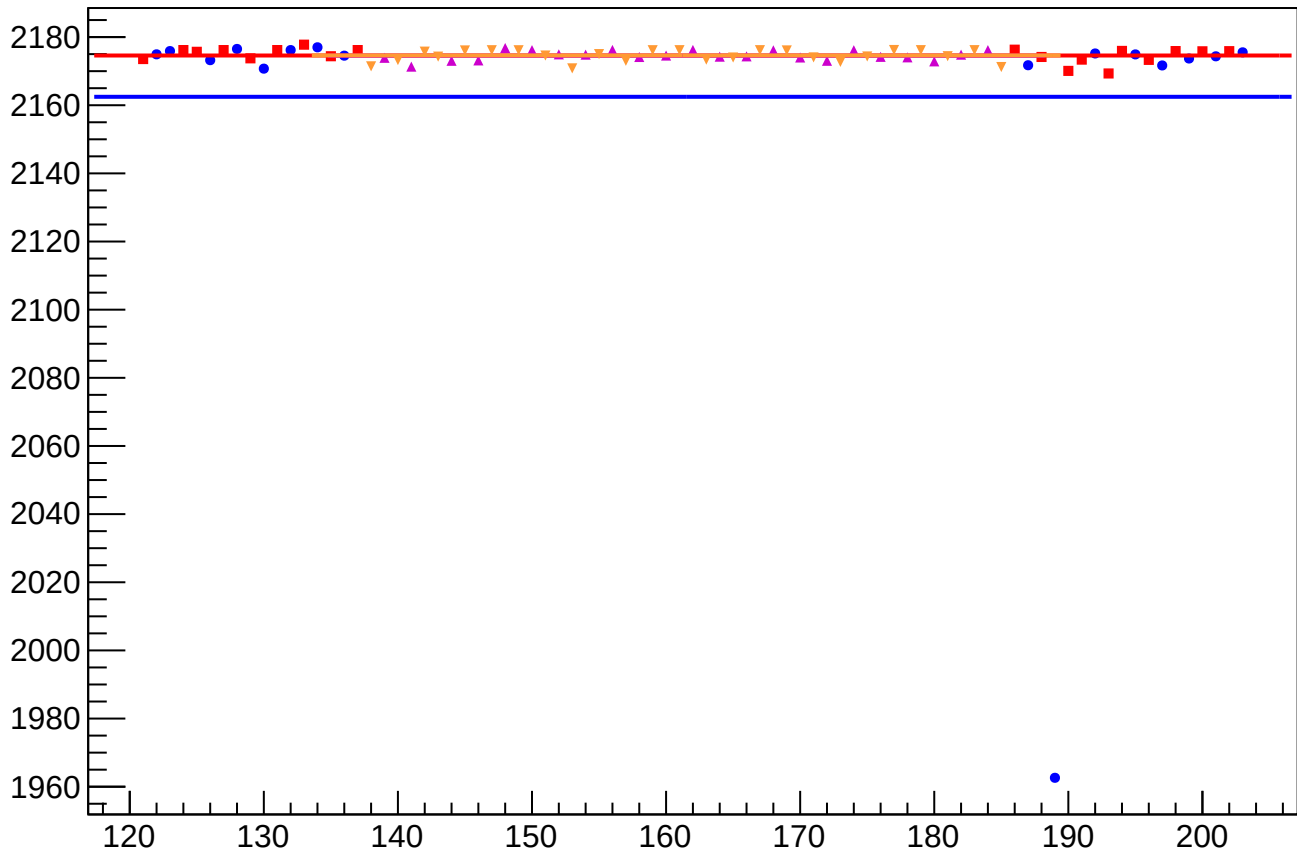
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.488+/-0.000 χ^2/NDF : 5036793830572441

All: 88.594+/-0.000 χ^2/NDF : 7488573850674

- sign 88.701+/-0.000 χ^2/NDF : 2388199237422783

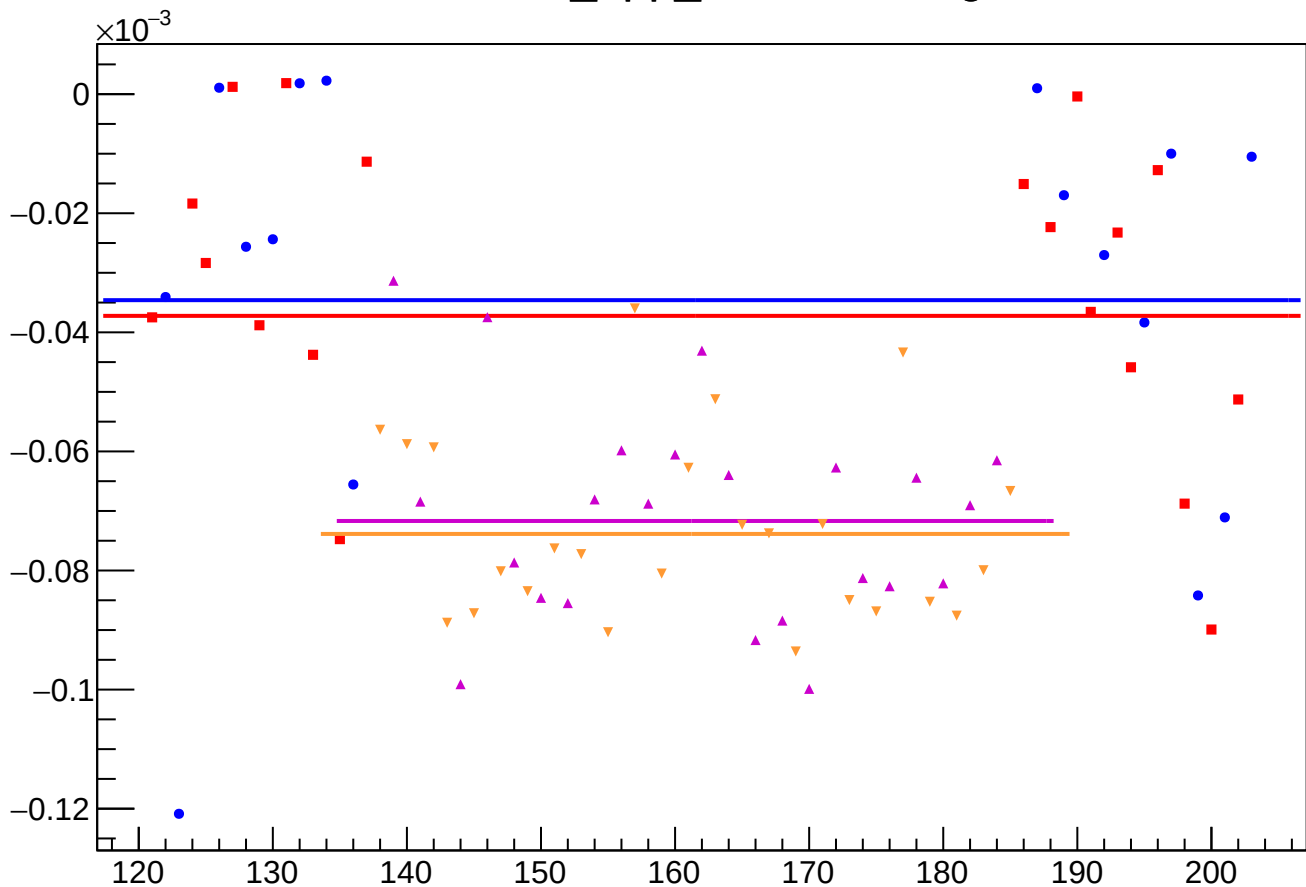
HALLA_p_mean vs Slug



Right In: 2162.475+/-0.000	χ^2/NDF : 2160008424440973516552275707645919232.0/15
Left Out: 2174.622+/-0.000	χ^2/NDF : 51105781354760931110874911595823104.0/24
Right Out: 2174.594+/-0.000	χ^2/NDF : 4468670326257295343699562682384384.0/18
Left In: 2174.539+/-0.000	χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2170.696+/-0.000 χ^2/NDF : 22562008651727
 All: 2172.616+/-0.000 χ^2/NDF : 22849990628
 - sign 2174.558+/-0.000 χ^2/NDF : 78713698355147

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 718583567862671744172032.0/15

Left Out: -0.000+/-0.000 χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000+/-0.000 χ^2/NDF : 701744545303834554007552.0/18

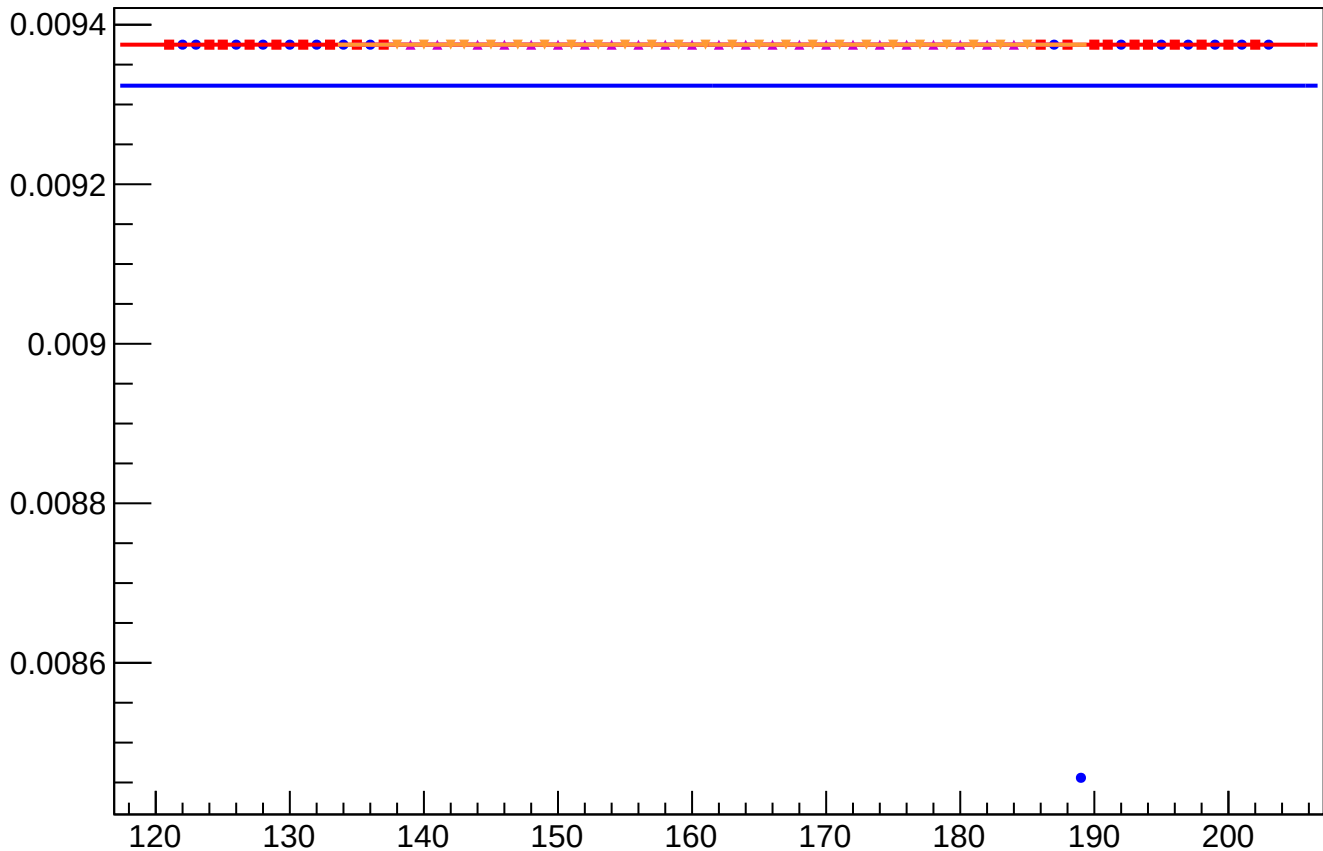
Left In: -0.000+/-0.000 χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000+/-0.000 χ^2/NDF : 2120426667079863

All: -0.000+/-0.000 χ^2/NDF : 4141857027673

- sign -0.000+/-0.000 χ^2/NDF : 20179444091371442

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40674357222328725592342528.0/15

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/18

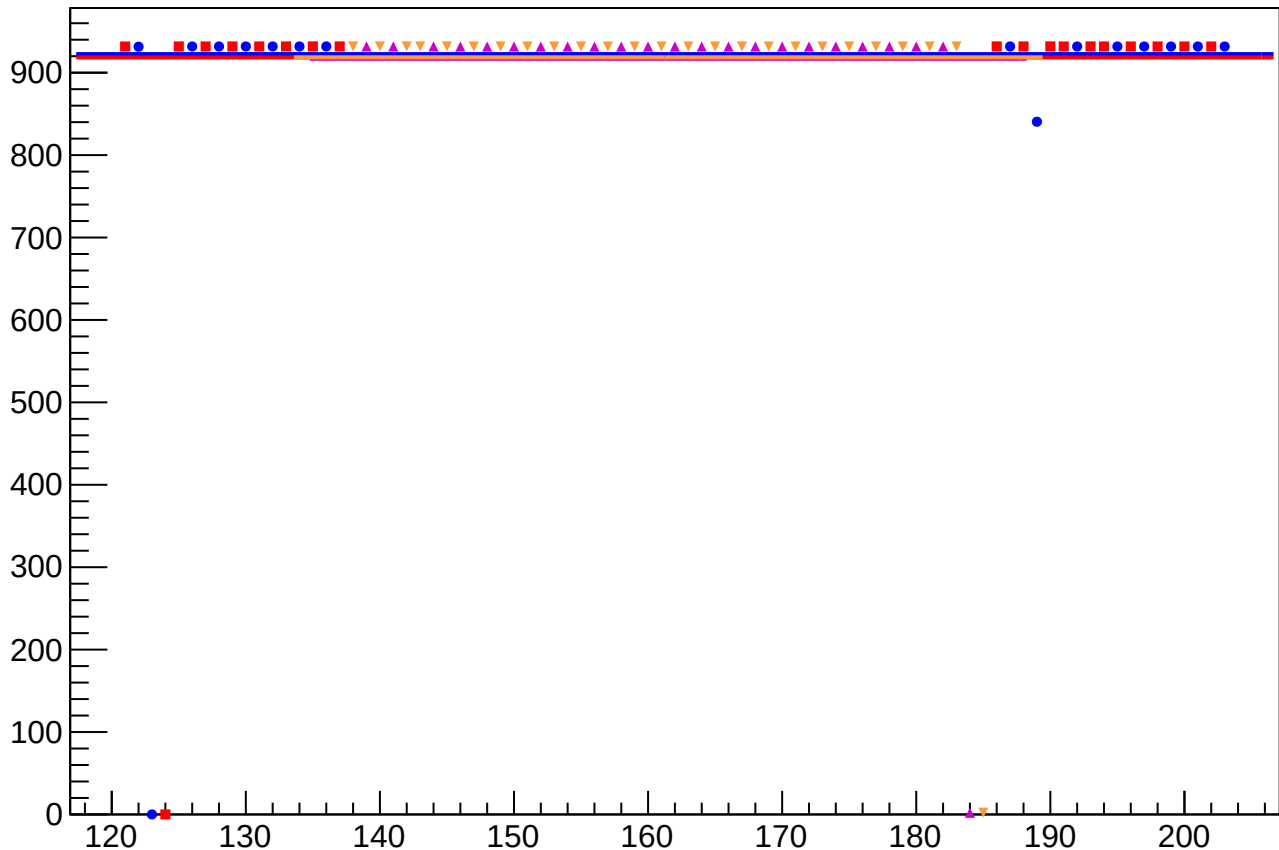
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42305019711196504

All: 0.009+/-0.000 χ^2/NDF : 42692109836850

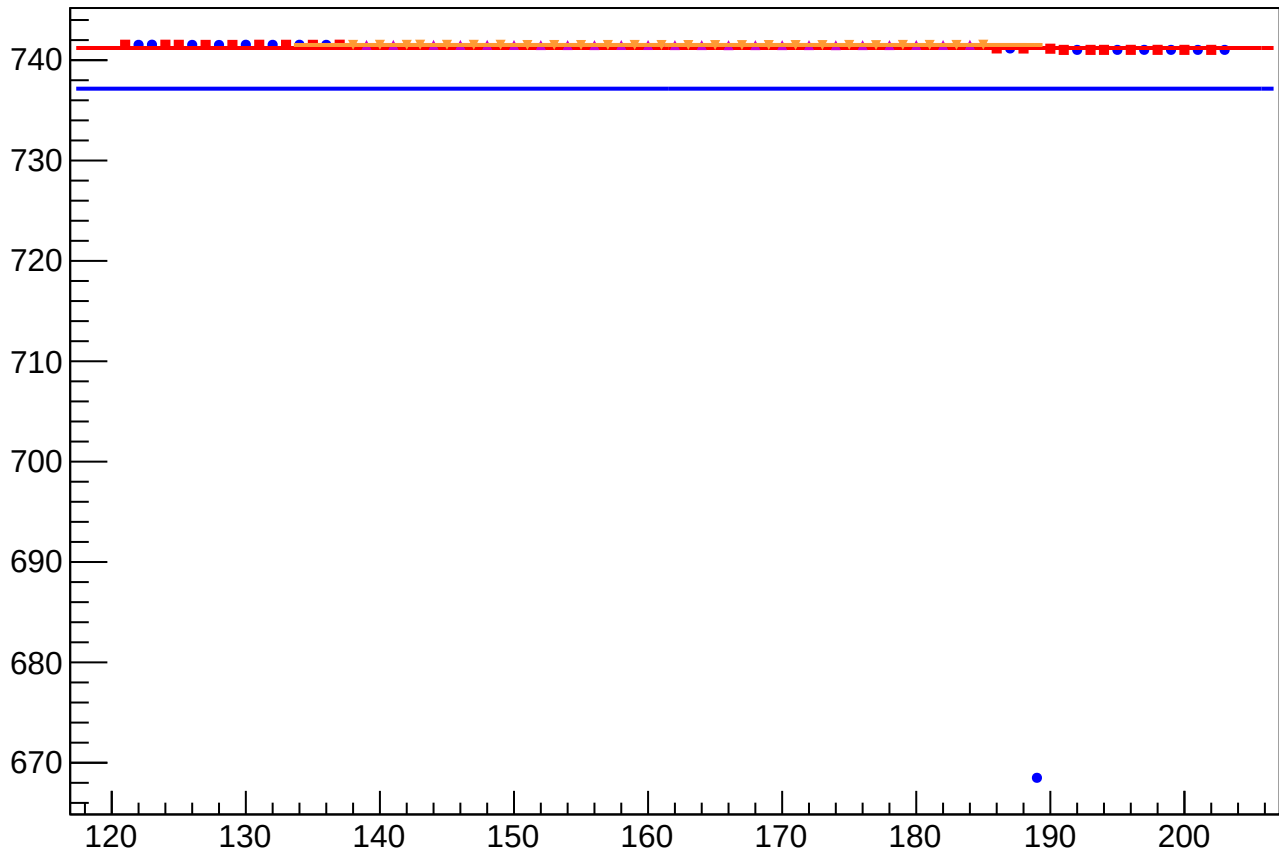
- sign 0.009+/-0.000 χ^2/NDF : 0.2/41

HacL_Q2_HP3458A_IOUT_mean vs Slug



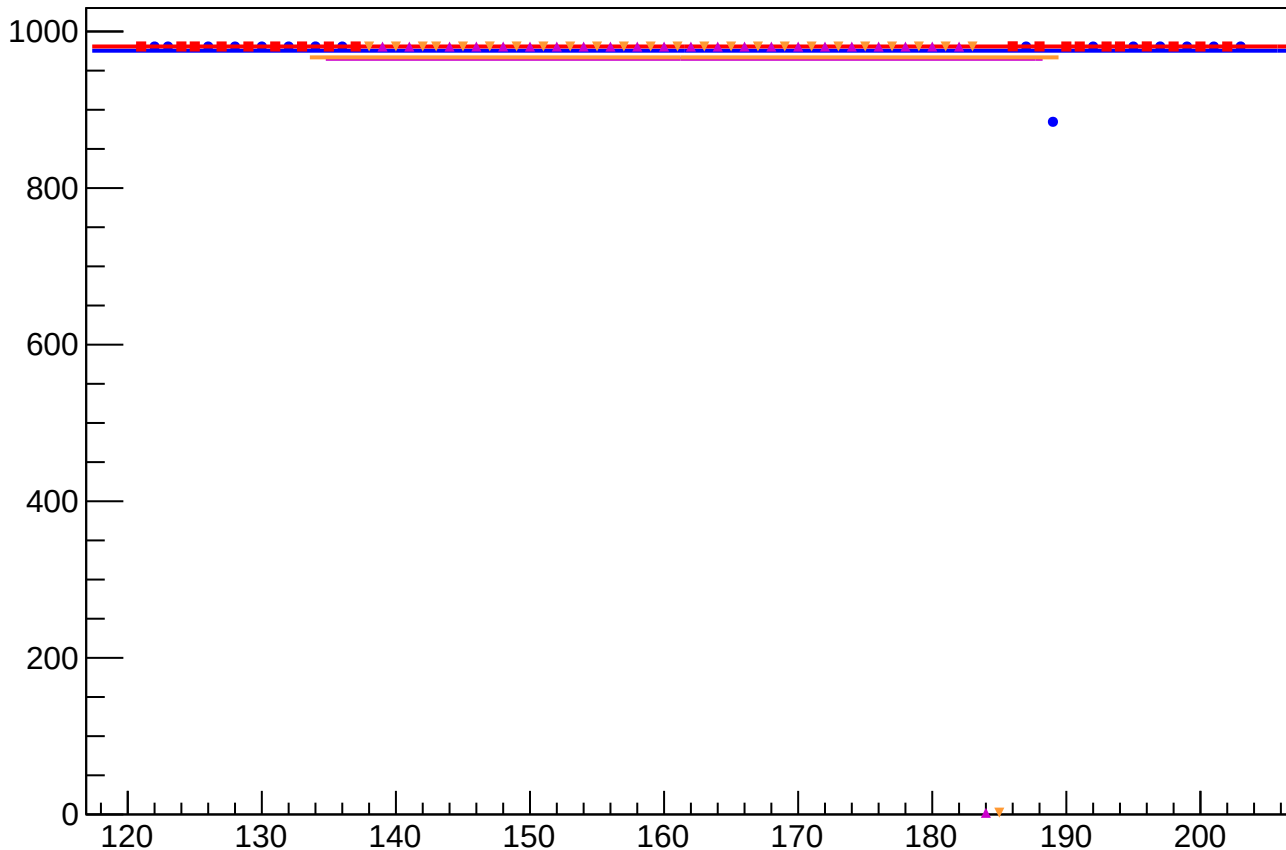
Right In: 922.593 $\pm$ 0.000 χ^2 /NDF: 3820658740824358024344967605534064640.0/15
 Left Out: 918.645 $\pm$ 0.000 χ^2 /NDF: 23003498704056084939752432521336324096.0/24
 Right Out: 918.478 $\pm$ 0.000 χ^2 /NDF: 11980942808679929874551283206716391424.0/18
 Left In: 916.890 $\pm$ 0.000 χ^2 /NDF: 24667894917476231250286944388888133632.0/22
 All: 918.691 $\pm$ 0.000 χ^2 /NDF: 634928029248
 + sign 919.921 $\pm$ 0.000 χ^2 /NDF: 268337786950009
 - sign 917.447 $\pm$ 0.000 χ^2 /NDF: 366504408328928

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 737.159+/-0.000 χ^2/NDF : 254703843805641992823474182487539712.0/15
 Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
 Right Out: 741.212+/-0.000 χ^2/NDF : 49211306006959264958425742704640.0/18
 Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22
 All: 740.753+/-0.000 χ^2/NDF : 268887089386
 + sign 740.106+/-0.000 χ^2/NDF : 266405270680003
 - sign 741.407+/-0.000 χ^2/NDF : 106730957591985

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 975.442+/-0.000 χ^2/NDF : 445407815979311476974673216116097024.0/15

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.829+/-0.000 χ^2/NDF : 3004226555619554166118677479424.0/18

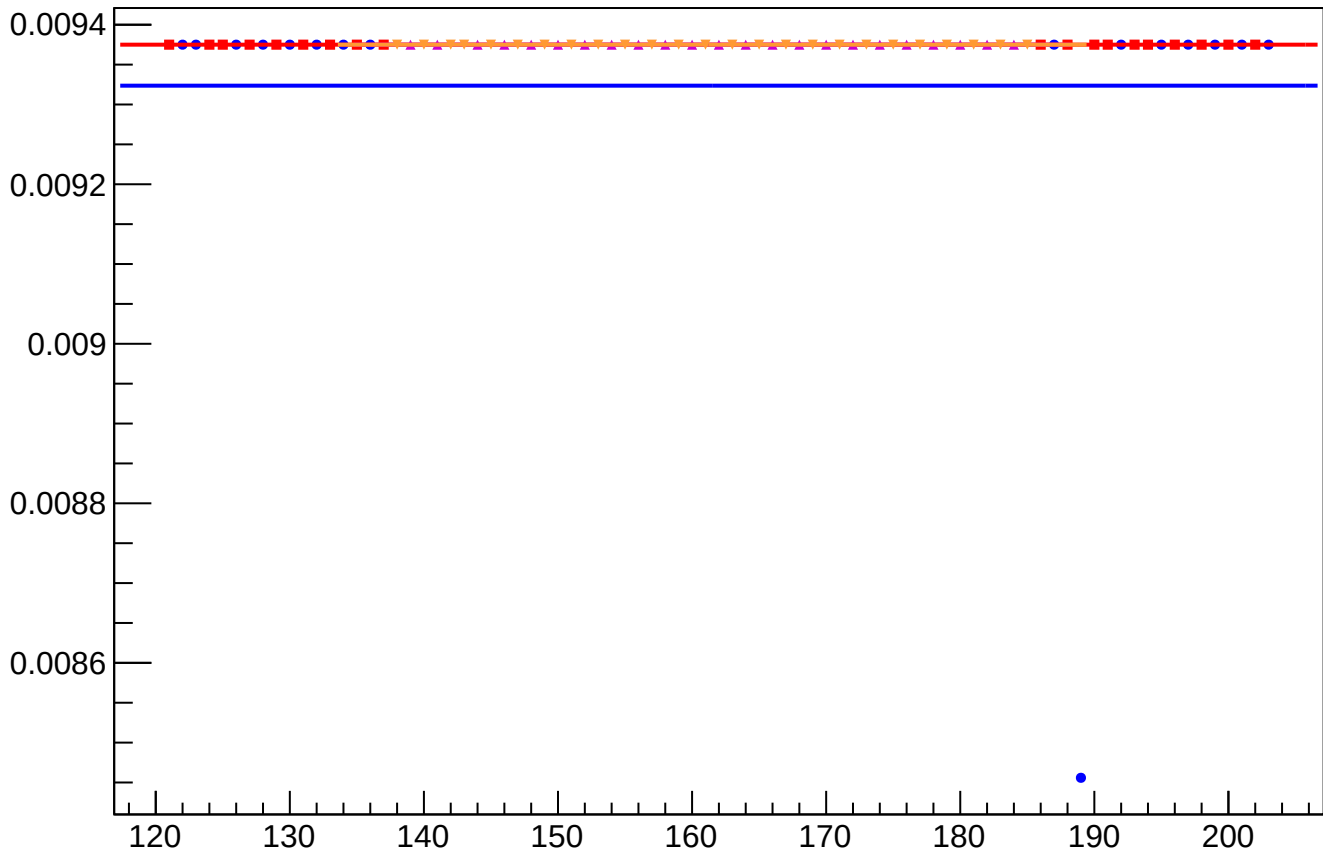
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 969.685+/-0.000 χ^2/NDF : 259756518442084

All: 970.150+/-0.000 χ^2/NDF : 534643787782

- sign 970.621+/-0.000 χ^2/NDF : 274874989212469

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 40674357222328725592342528.0/15

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/18

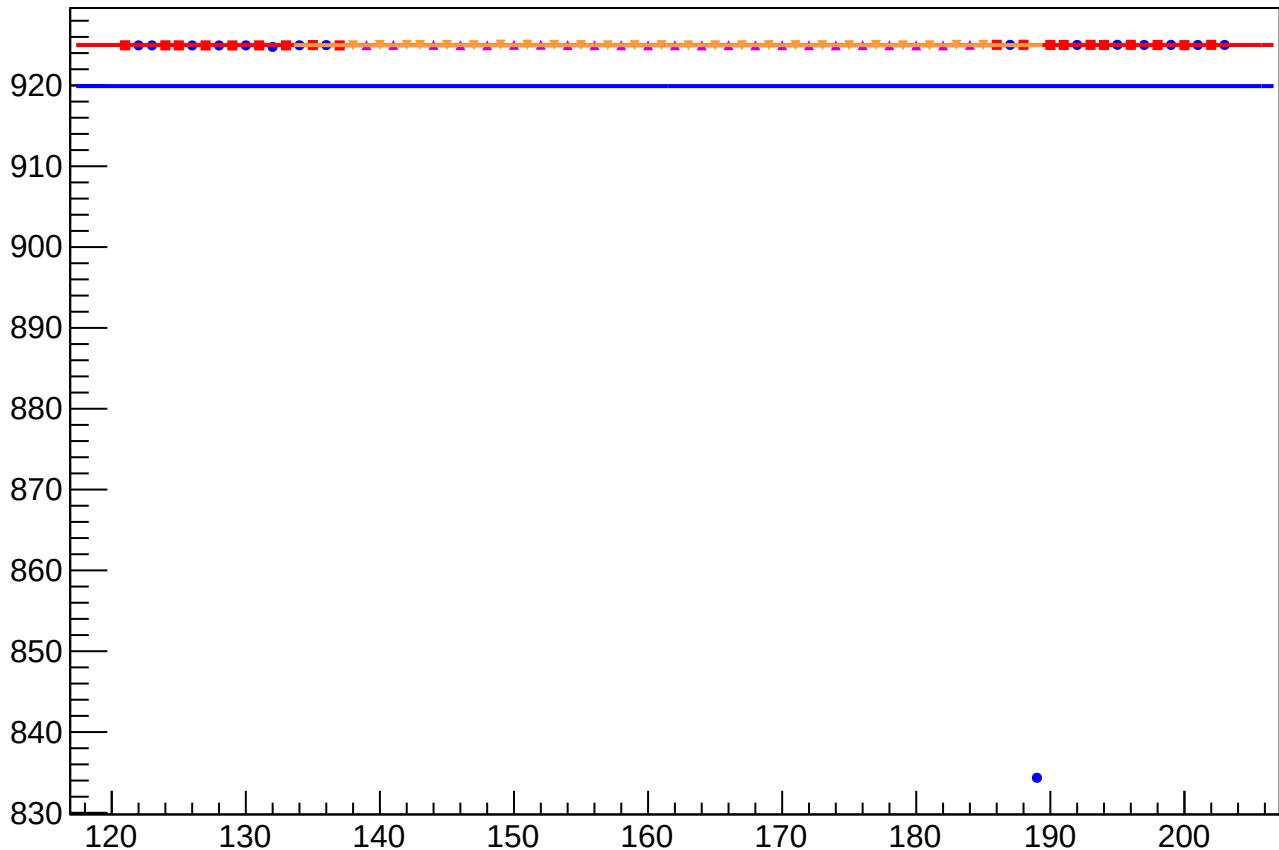
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42305019711196504

All: 0.009+/-0.000 χ^2/NDF : 42692109836850

- sign 0.009+/-0.000 χ^2/NDF : 0.2/41

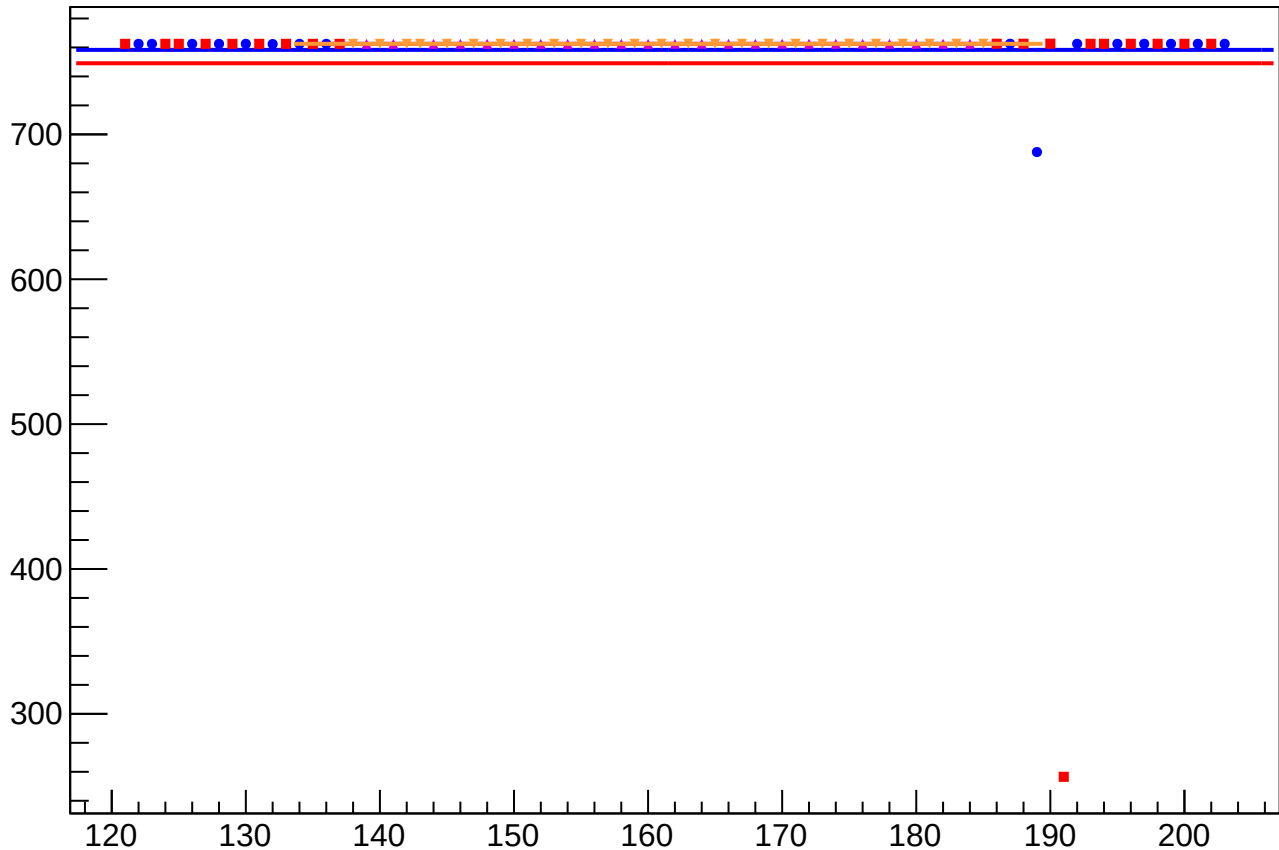
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 919.914 $\pm$ 0.000 χ^2 /NDF: 395588678099292447036018833078878208.0/15
Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
Right Out: 924.994 $\pm$ 0.000 χ^2 /NDF: 811206067937938760264136523776.0/18
Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22

+ sign 923.345 $\pm$ 0.000 χ^2 /NDF: 411445306628121
All: 924.161 $\pm$ 0.000 χ^2 /NDF: 415230491092
- sign 924.987 $\pm$ 0.000 χ^2 /NDF: 178061704676502

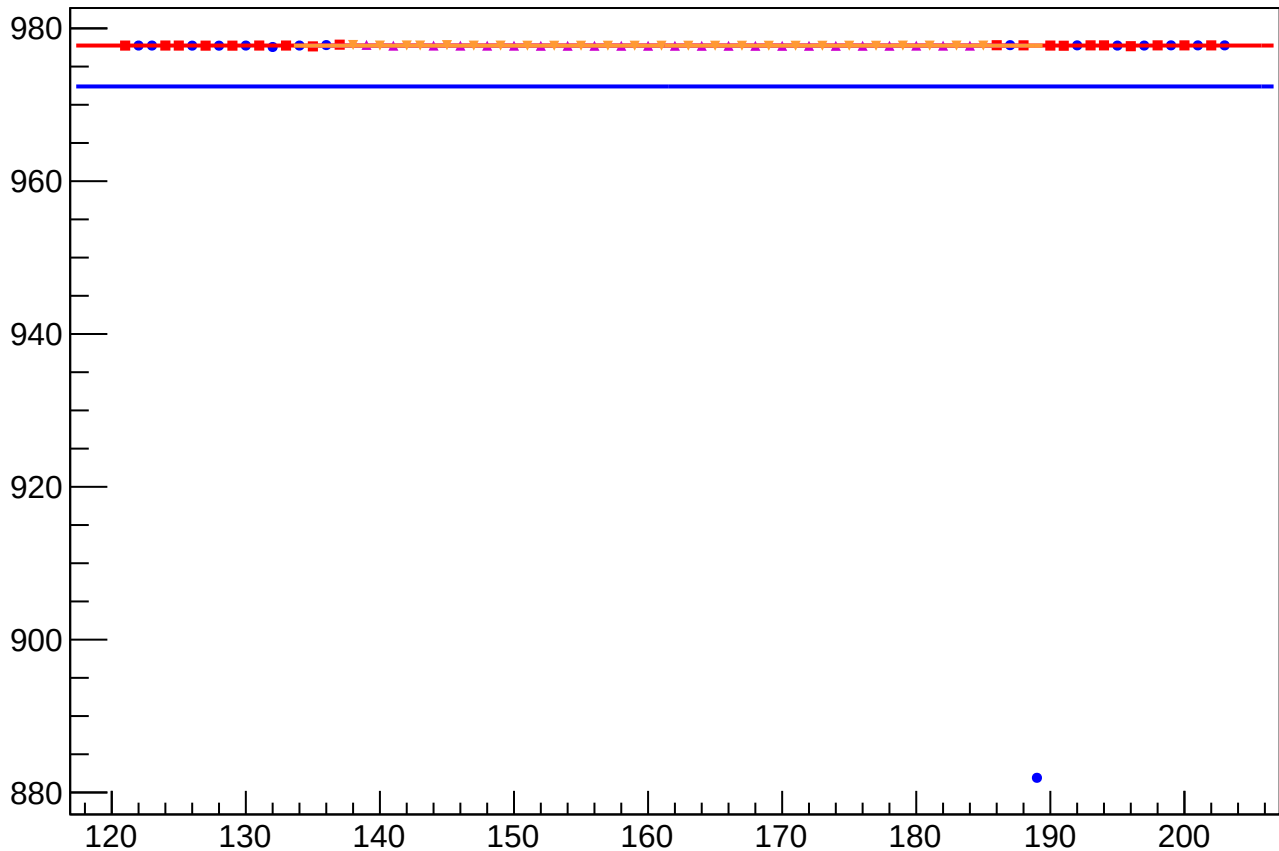
HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 758.333+/-0.000	χ^2/NDF : 268662409399042274733276786707136512.0/15
Left Out: 762.518+/-0.000	χ^2/NDF : 731741258759628909874415403008.0/24
Right Out: 749.092+/-0.000	χ^2/NDF : 6479590015604735457838098344740651008.0/18
Left In: 762.519+/-0.000	χ^2/NDF : 629058355419214408155297480704.0/22

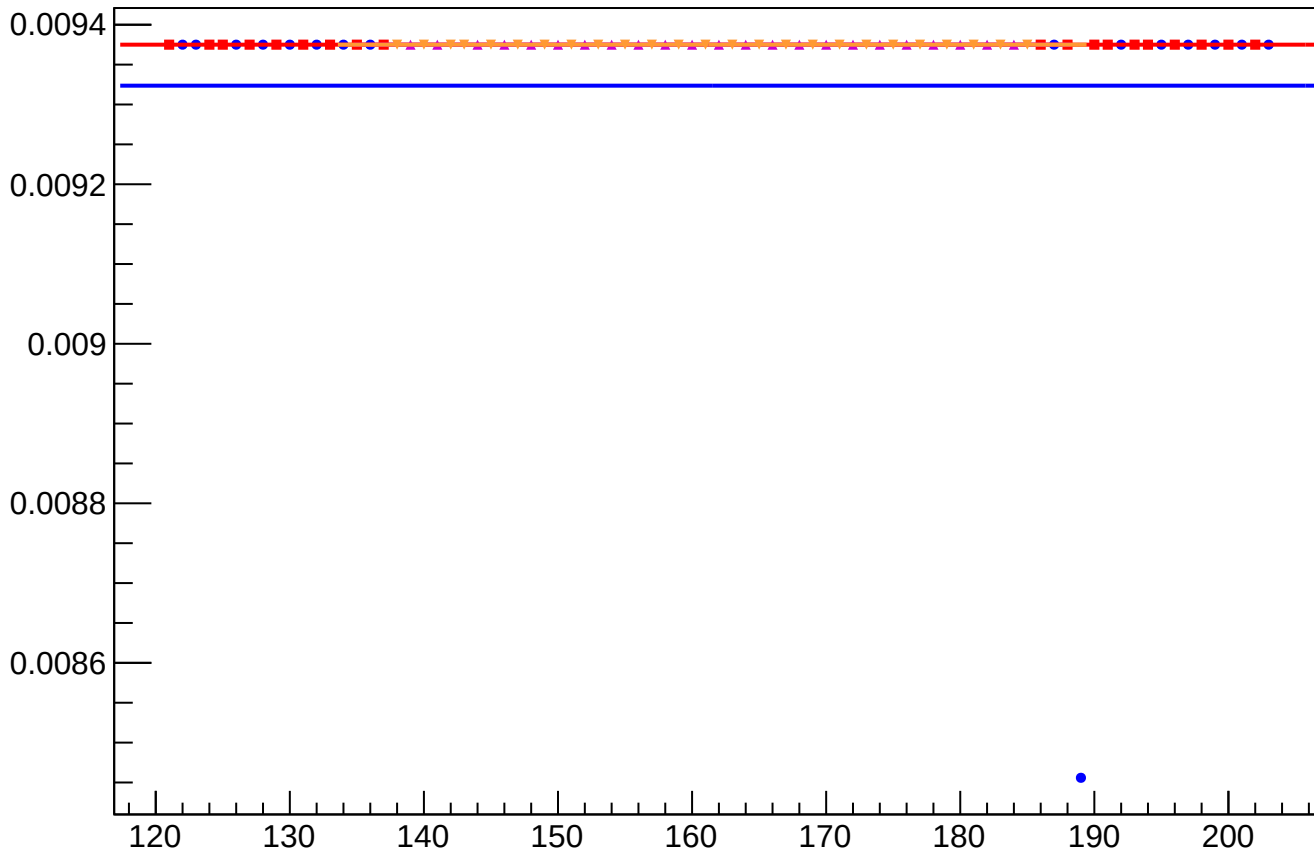
+ sign 761.166+/-0.000 χ^2/NDF : 279475213769430
 All: 759.496+/-0.000 χ^2/NDF : 688945927700
 - sign 757.808+/-0.000 χ^2/NDF : 659416131894333

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 972.397 $\pm$ 0.000 χ^2 /NDF: 442225479233868099095531323545092096.0/15
Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24
Right Out: 977.752 $\pm$ 0.000 χ^2 /NDF: 1785660516578967357178874167296.0/18
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22
+ sign 976.012 $\pm$ 0.000 χ^2 /NDF: 459831635888167
All: 976.871 $\pm$ 0.000 χ^2 /NDF: 46402926069
- sign 977.741 $\pm$ 0.000 χ^2 /NDF: 295409483813485

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 40674357222328725592342528.0/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

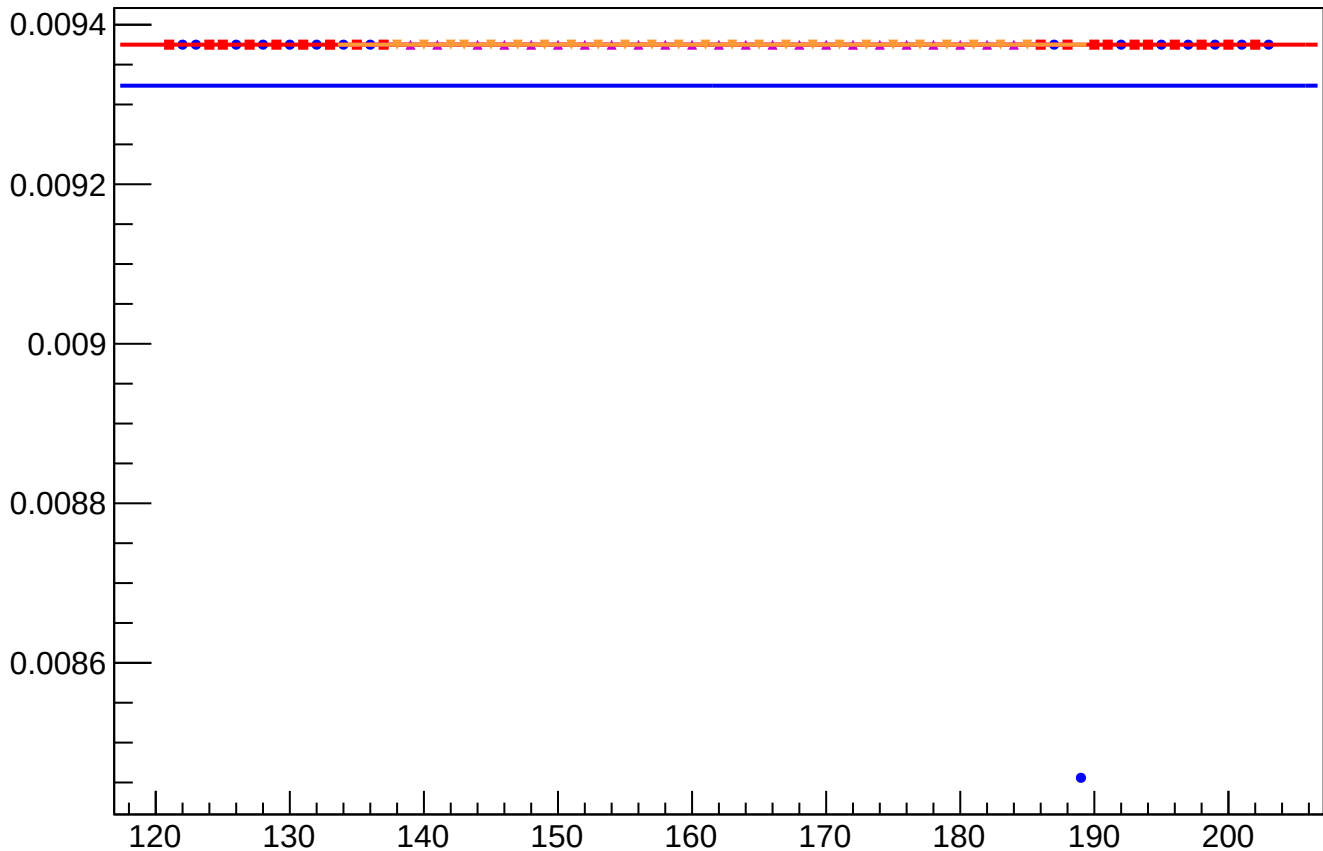
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42305019711196504

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42692109836850

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/41

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 40674357222328725592342528.0/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

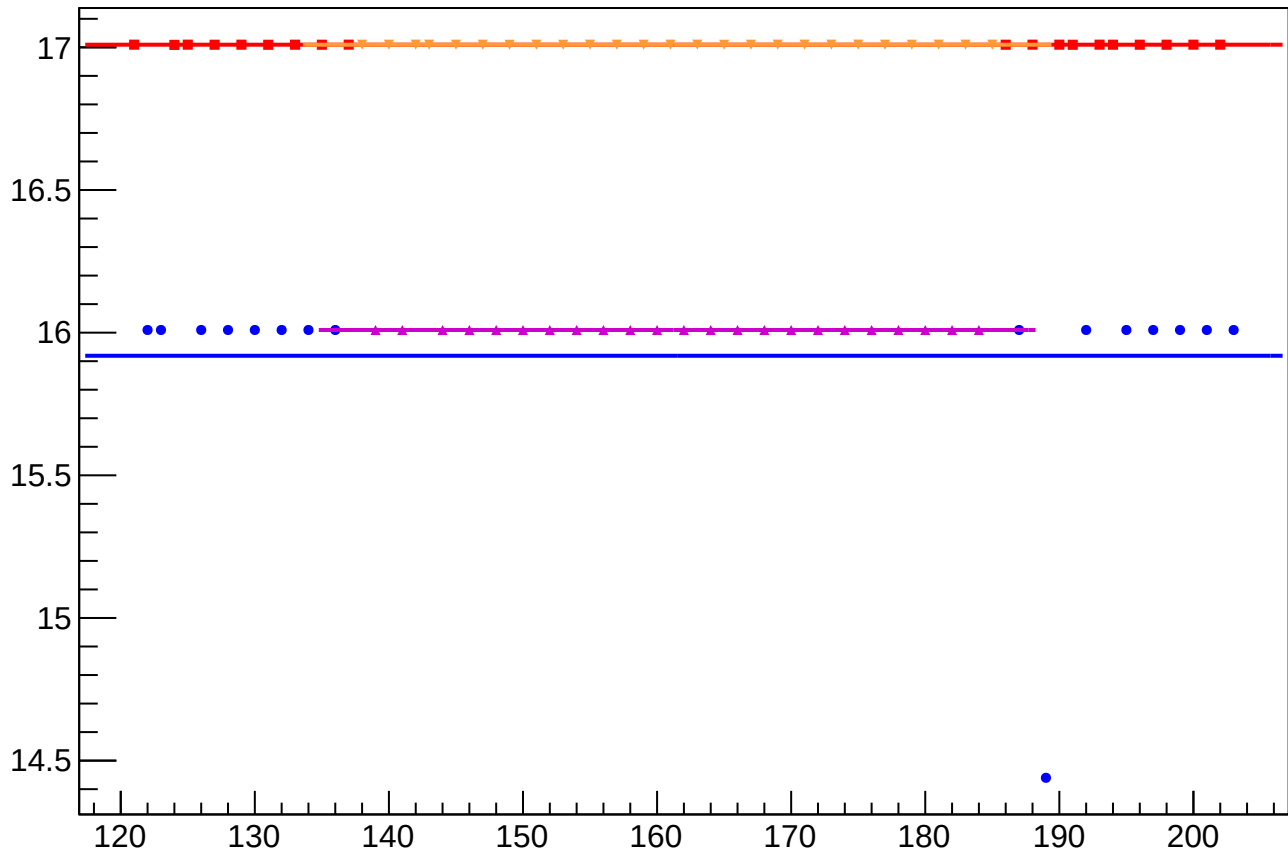
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42305019711196504

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42692109836850

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/41

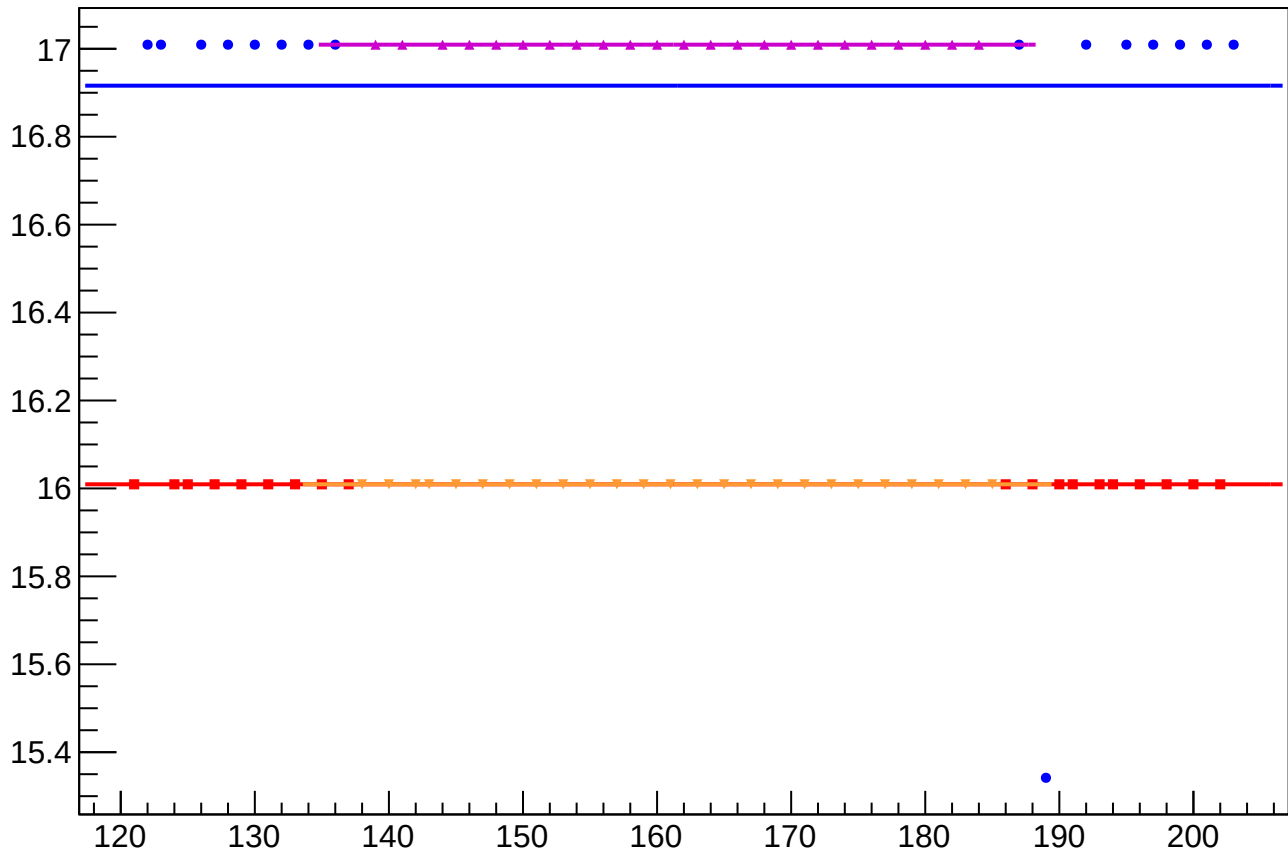
IGL1I00DI24_24M_mean vs Slug



Right In: 15.919+/-0.000 χ^2/NDF : 118404789641150957916317007478784.0/15
 Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: 17.009+/-0.000 χ^2/NDF : 14014947925279166114562048.0/18
 Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

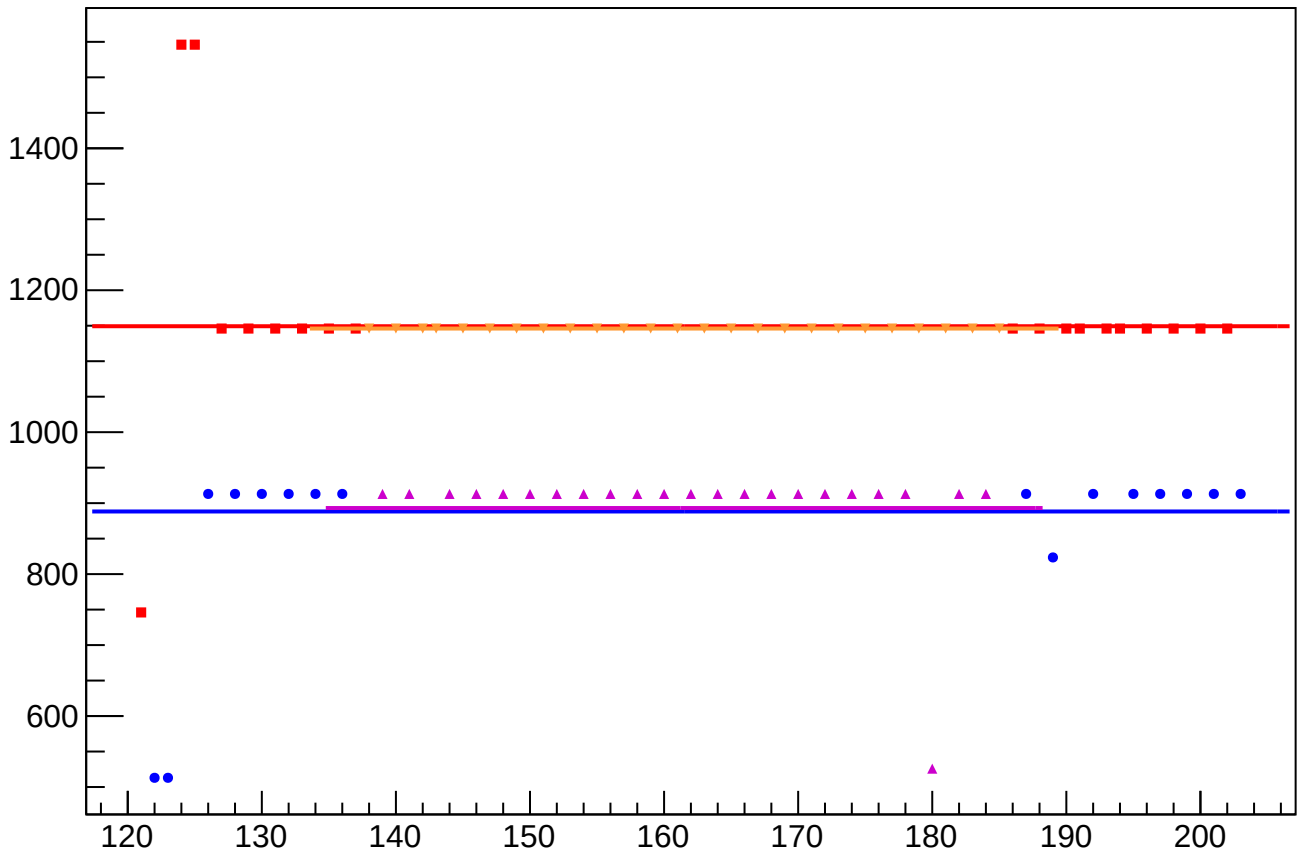
+ sign 16.646+/-0.000 χ^2/NDF : 8208816580481494
 All: 16.510+/-0.000 χ^2/NDF : 1532151293642
 - sign 16.373+/-0.000 χ^2/NDF : 6124054298296003

IGL1I00OD16_16_mean vs Slug



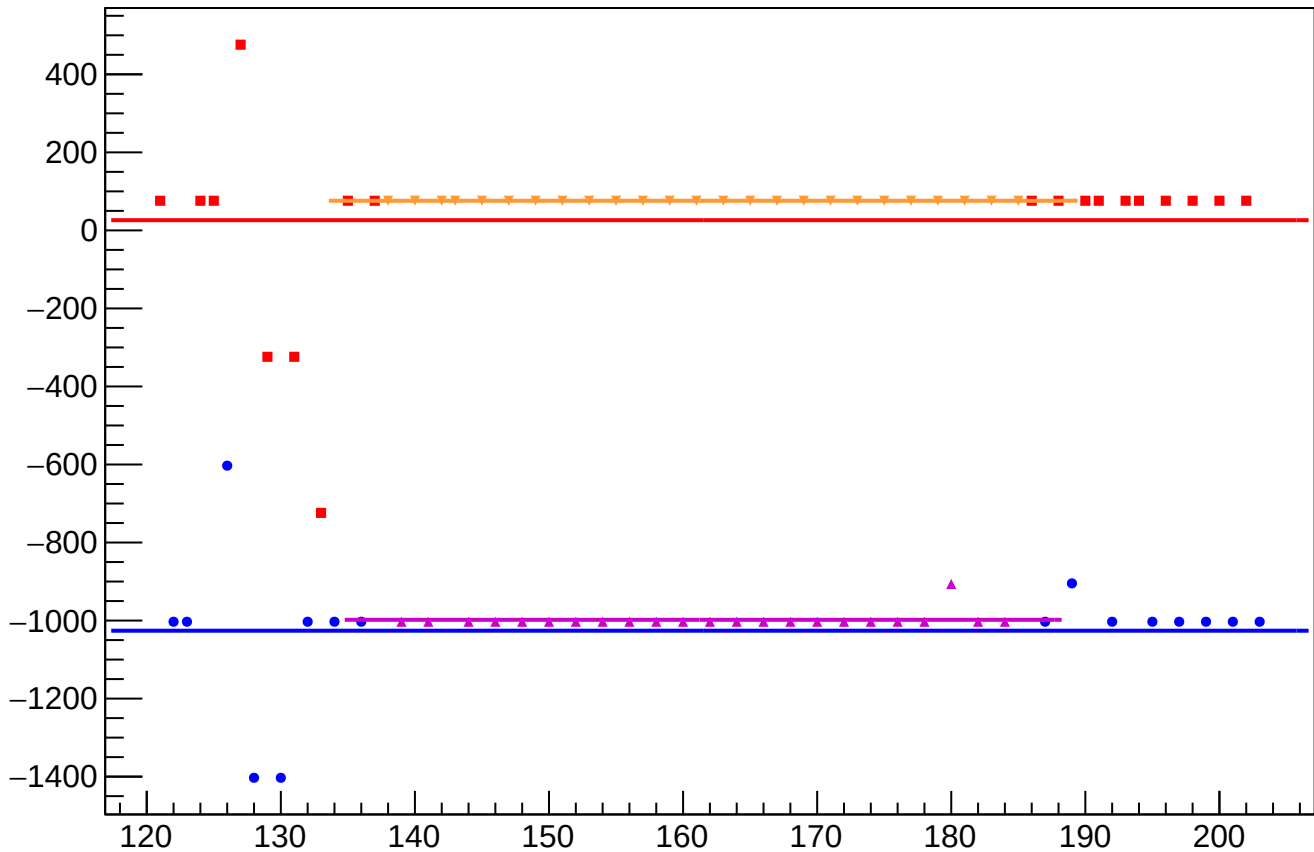
Right In: 16.916+/-0.000 χ^2/NDF : 133891487831393704437490691080192.0/15
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24 + sign 16.305+/-0.000 χ^2/NDF : 6393175622654142
 Right Out: 16.009+/-0.000 χ^2/NDF : 219745.1/18 All: 16.477+/-0.000 χ^2/NDF : 1436768217014
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22 - sign 16.653+/-0.000 χ^2/NDF : 6298389368200644

RTPAPOSUCNT_mean vs Slug



Right In: 888.252+/-0.000 χ^2/NDF : 7050372181603491940273208024144805888.0/15
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24
 Right Out: 1149.279+/-0.000 χ^2/NDF : 13750206758580971418852399490699100160.0/18
 Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22
 All: 1023.083+/-0.000 χ^2/NDF : 12564374425
 + sign 1062.710+/-0.000 χ^2/NDF : 48061318219352
 - sign 983.003+/-0.000 χ^2/NDF : 686691546857833

RTPAPOSVCNT_mean vs Slug



Right In: -1025.999 ± 0.000 $\chi^2/\text{NDF}: 23209909704078063556727032110982889472.0/15$
 Left Out: 76.011 ± 0.000 $\chi^2/\text{NDF}: 11003263624957134120836661248.0/24$
 Right Out: 26.164 ± 0.000 $\chi^2/\text{NDF}: 44607222910312271582762111522725429248.0/18$
 Left In: -998.020 ± 0.000 $\chi^2/\text{NDF}: 826231736084035689068445378231140352.0/22$

+ sign -280.131 ± 0.000 $\chi^2/\text{NDF}: 77283236161357$
 All: -458.363 ± 0.000 $\chi^2/\text{NDF}: 16651643847$
 - sign -638.638 ± 0.000 $\chi^2/\text{NDF}: 712014327627389$