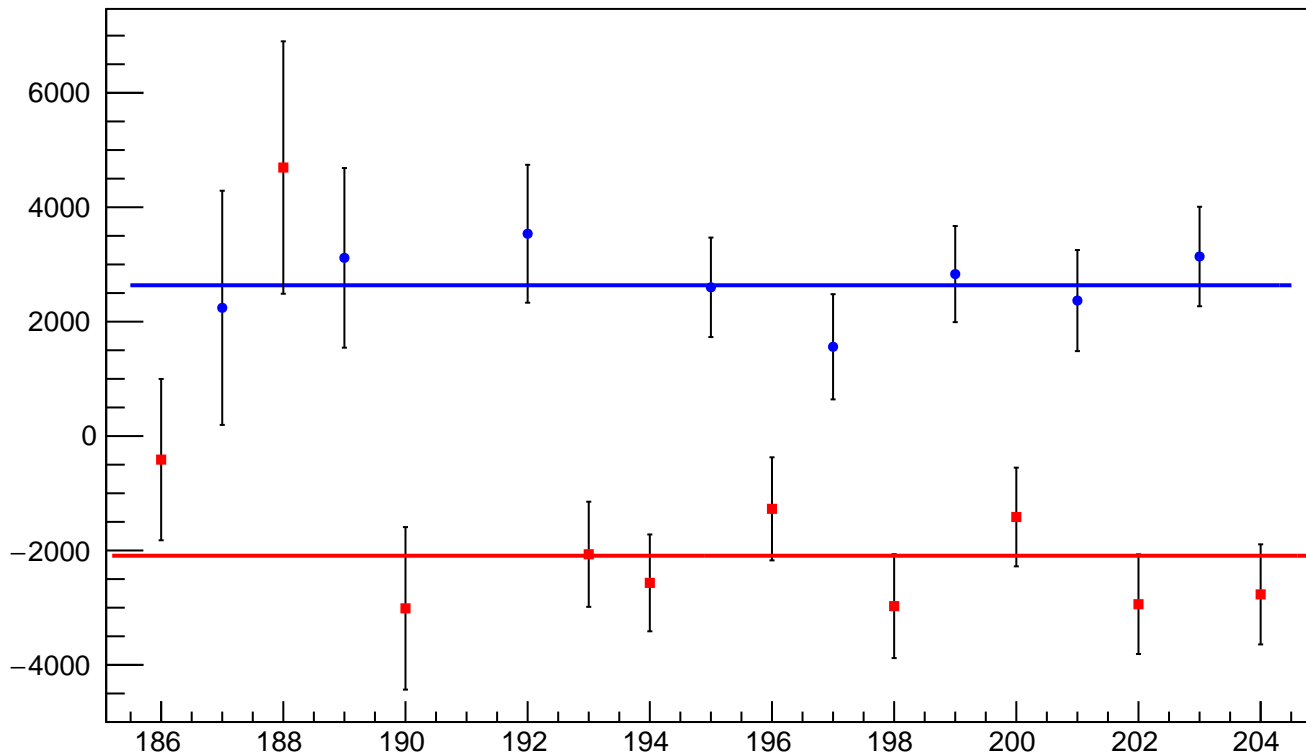


# dit\_asym\_us\_avg\_mean vs Slug



Right In: 2636.181+/-356.733

$\chi^2$ /NDF: 2.5/7

Left Out: 0.000+/-0.000

$\chi^2$ /NDF: 0.0/0

Right Out: -2091.723+/-313.123

$\chi^2$ /NDF: 15.5/9

Left In: 0.000+/-0.000

$\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000

$\chi^2$ /NDF: 0.0/0

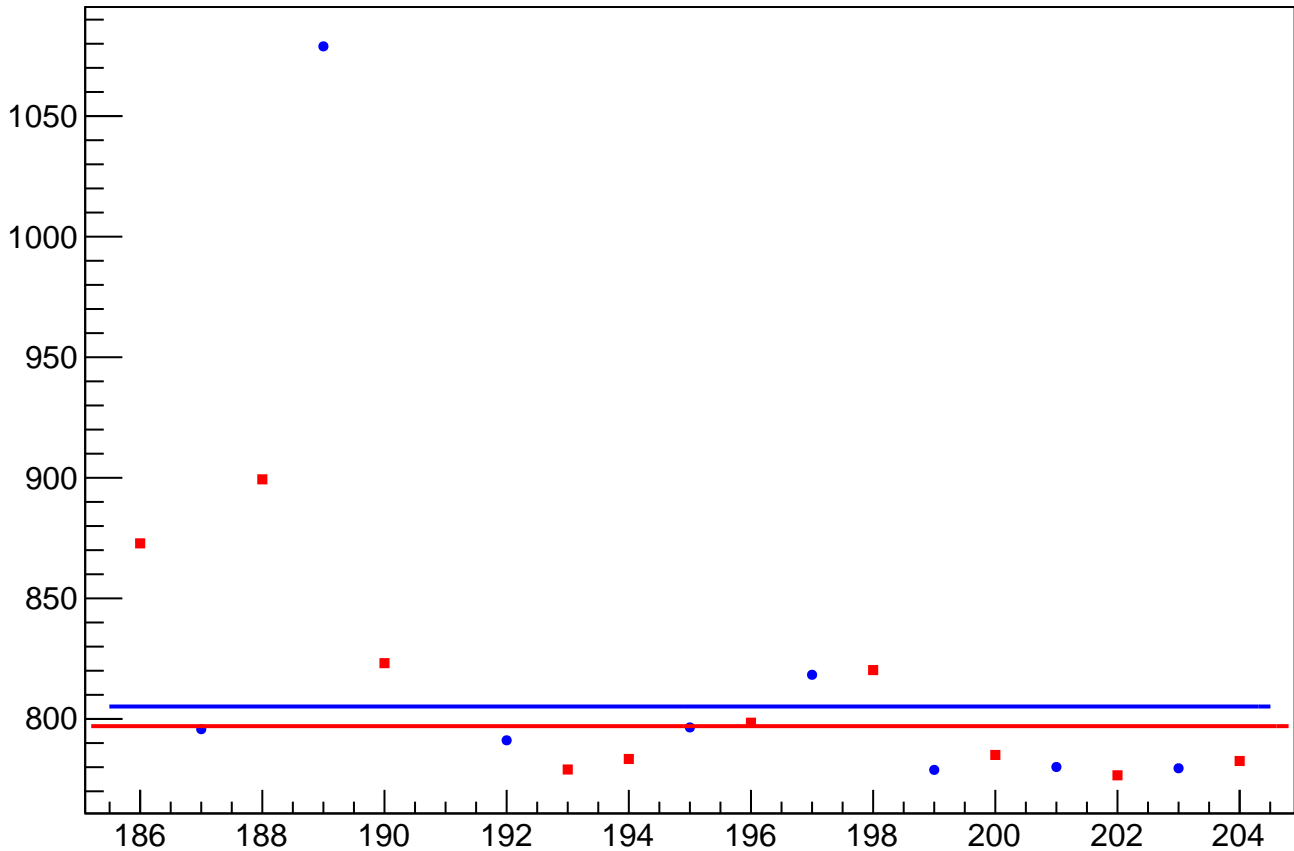
All: -34.275+/-235.328

$\chi^2$ /NDF: 117.3/17

- sign 0.000+/-0.000

$\chi^2$ /NDF: 0.0/0

# dit\_asym\_us\_avg\_rms vs Slug



Right In: 805.161 $\pm$ 0.252  $\chi^2$ /NDF: 67012.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 797.013 $\pm$ 0.221  $\chi^2$ /NDF: 15385.2/9

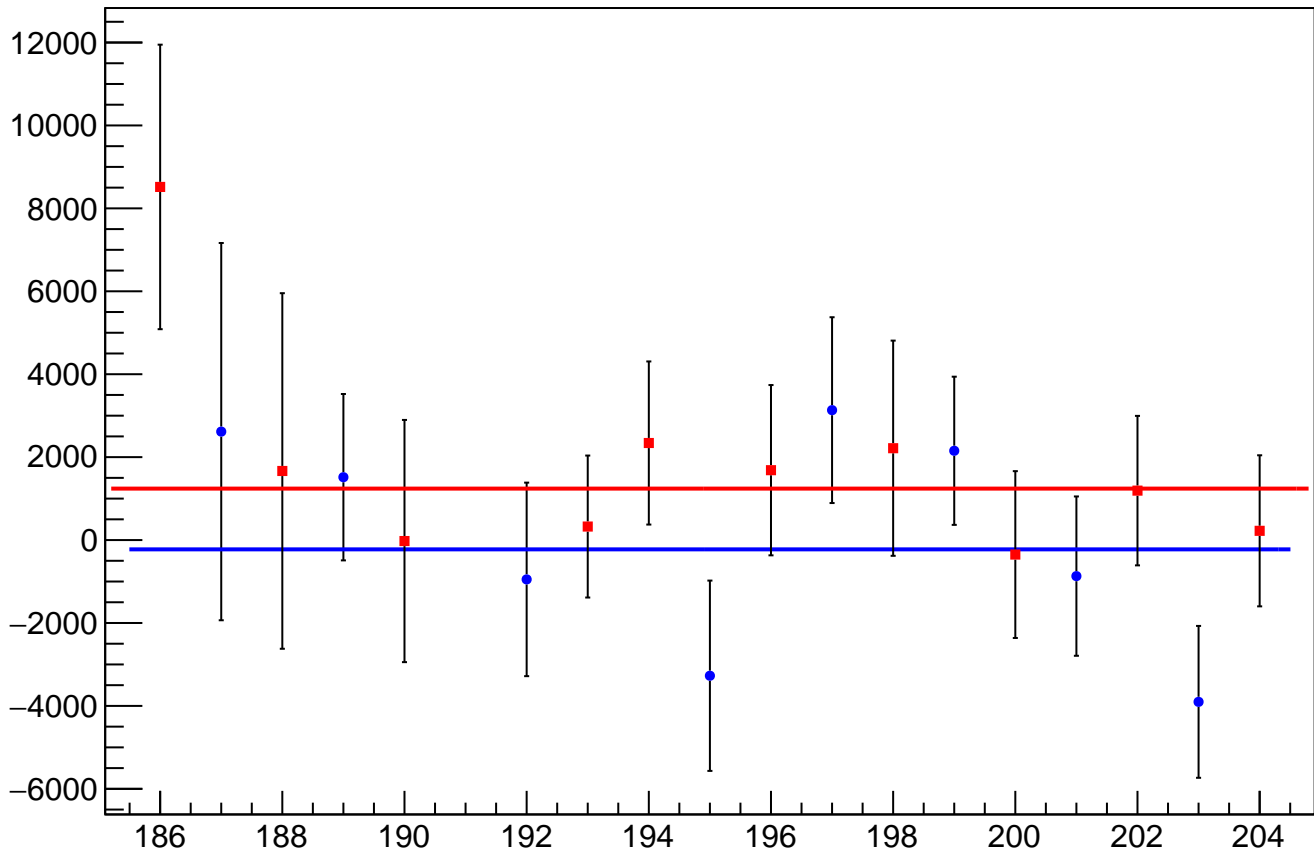
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 800.559 $\pm$ 0.166  $\chi^2$ /NDF: 82986.9/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_us\_avg\_correction\_mean vs Slug



Right In: -224.302+/-755.608  $\chi^2$ /NDF: 11.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1241.155+/-690.434  $\chi^2$ /NDF: 6.4/9

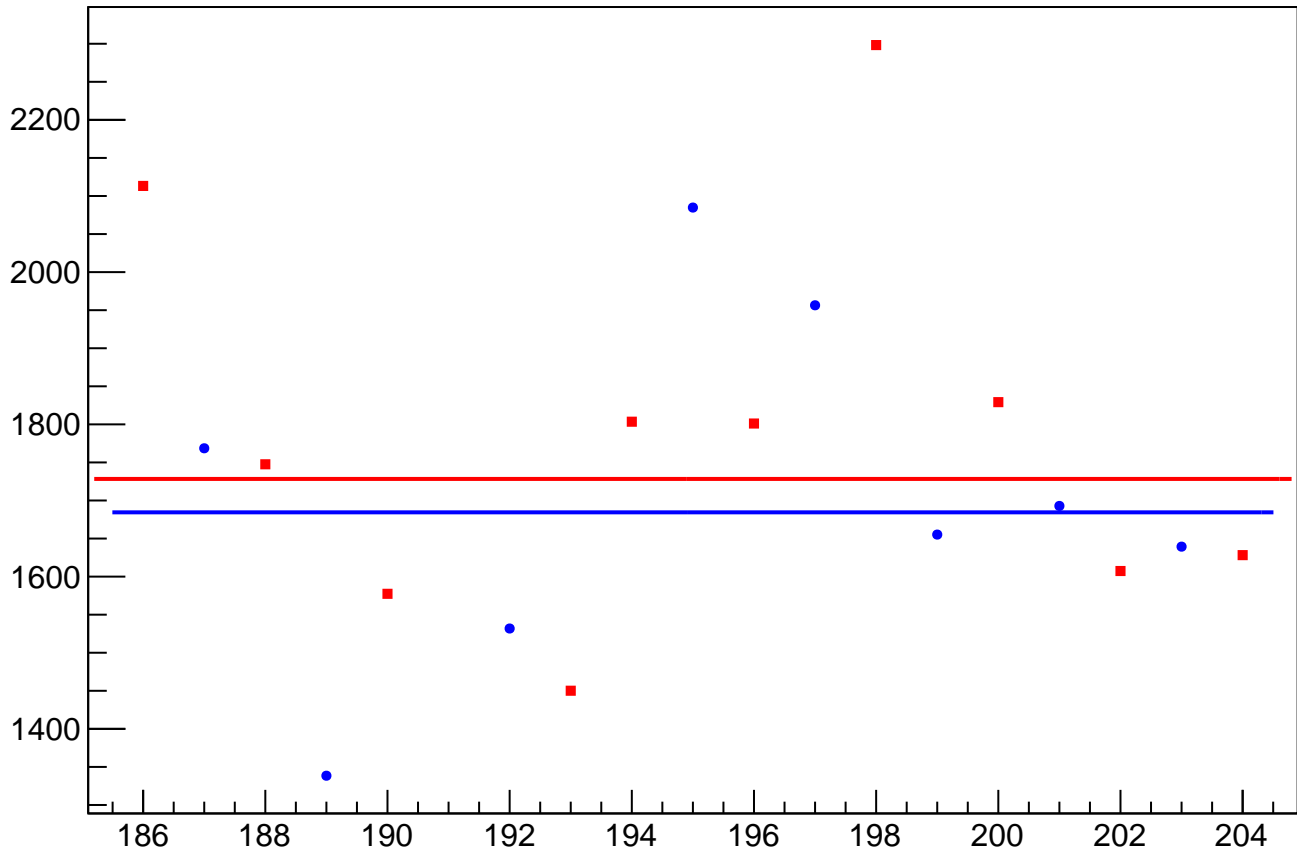
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 574.342+/-509.697  $\chi^2$ /NDF: 19.6/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_us\_avg\_correction\_rms vs Slug



Right In: 1684.435 $\pm$ 0.534  $\chi^2$ /NDF: 160827.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1728.325 $\pm$ 0.488  $\chi^2$ /NDF: 205336.0/9

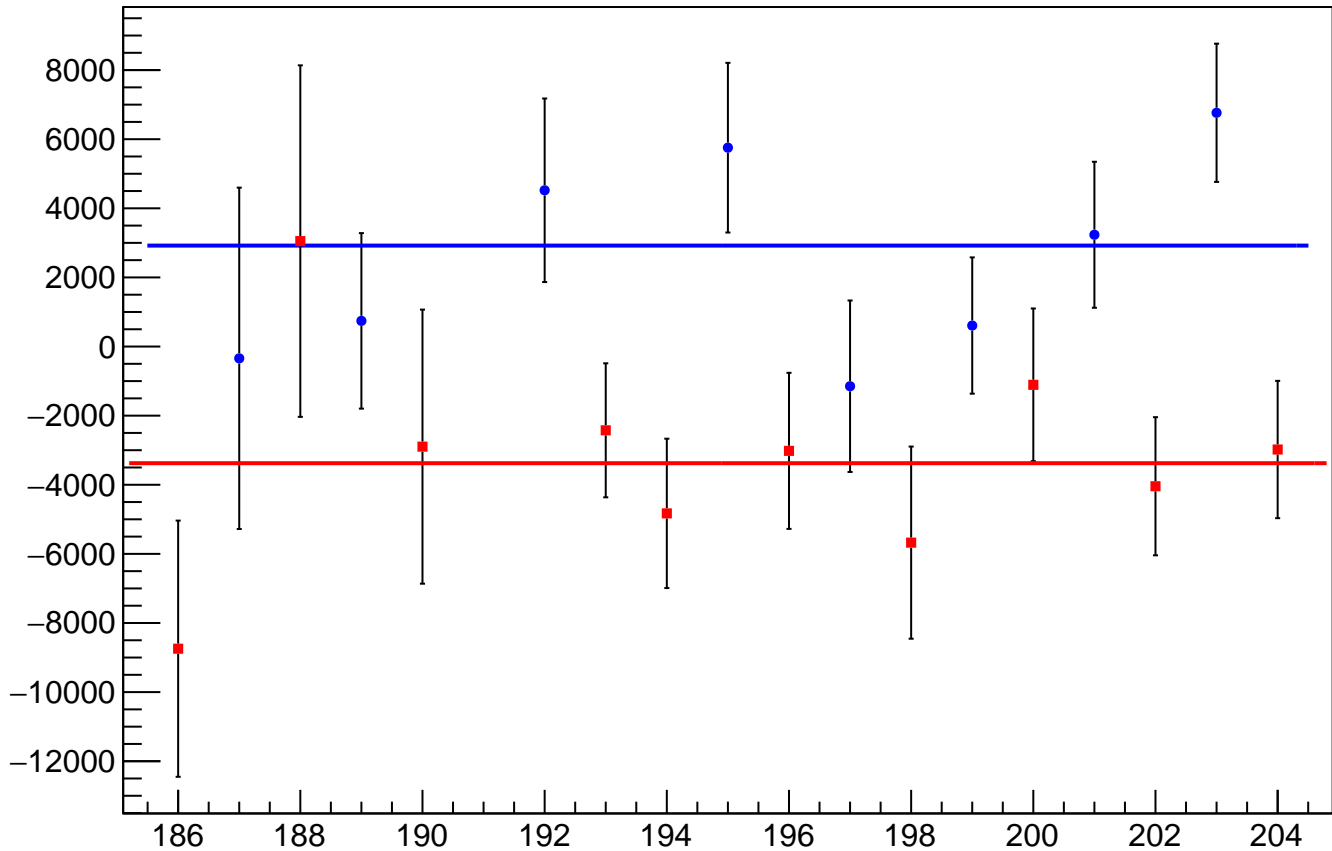
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1708.355 $\pm$ 0.360  $\chi^2$ /NDF: 369841.0/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_us\_avg\_mean vs Slug



Right In: 2921.331+/-845.944  $\chi^2$ /NDF: 10.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -3375.408+/-769.464  $\chi^2$ /NDF: 6.3/9

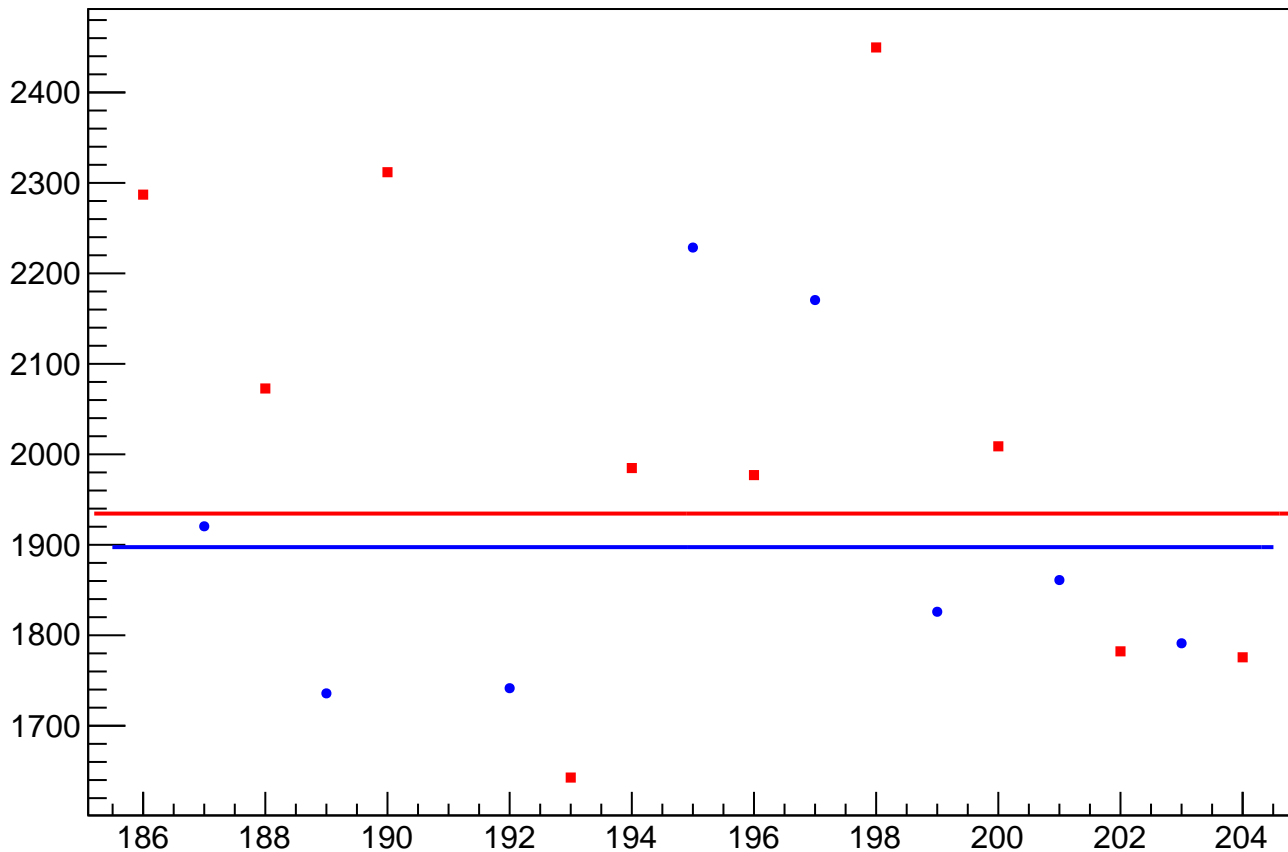
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -524.486+/-569.215  $\chi^2$ /NDF: 47.3/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_us\_avg\_rms vs Slug



Right In: 1897.429+/-0.598  $\chi^2/\text{NDF}$ : 84513.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1934.528+/-0.544  $\chi^2/\text{NDF}$ : 180066.1/9

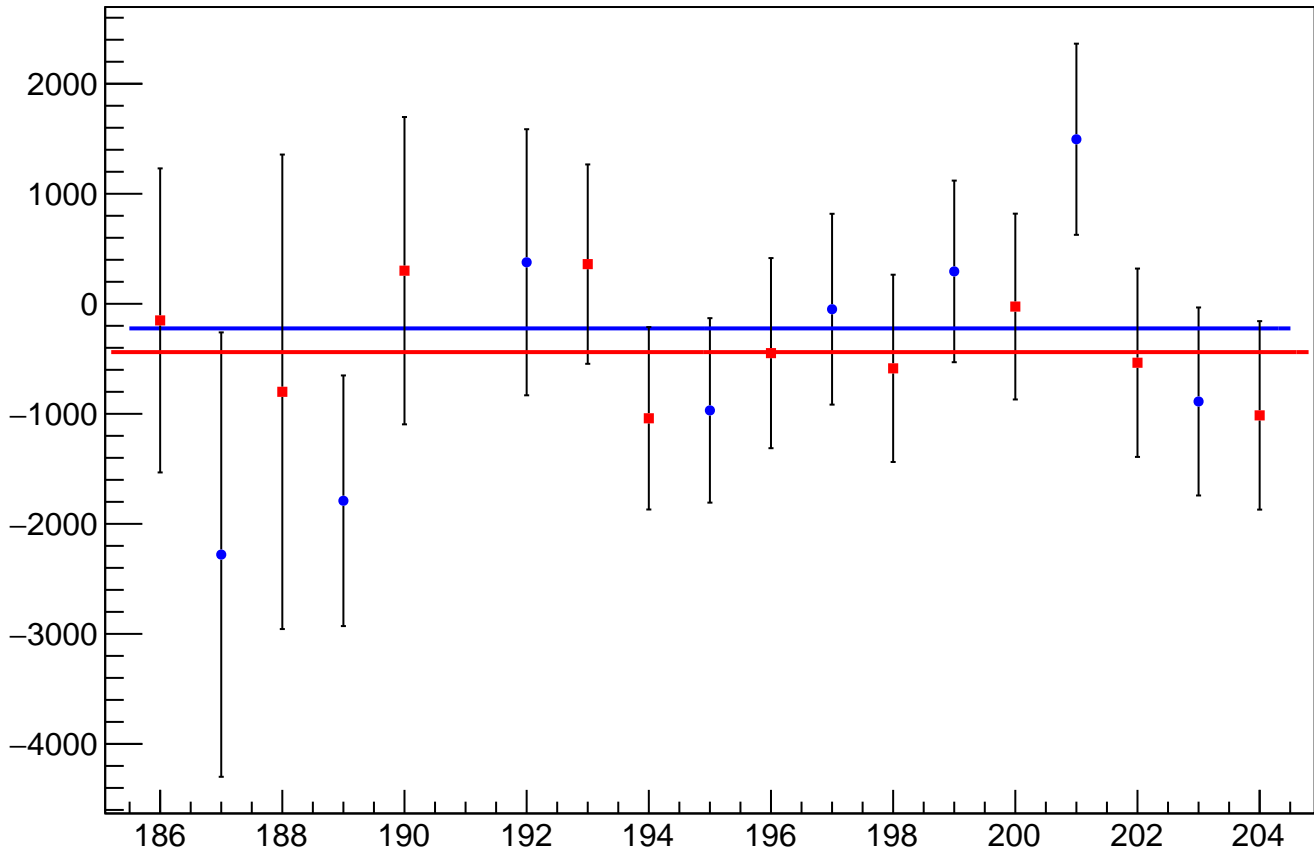
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1917.731+/-0.402  $\chi^2/\text{NDF}$ : 266684.7/17

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_us\_dd\_mean vs Slug



Right In: -223.583+/-340.683  $\chi^2$ /NDF: 8.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -439.011+/-304.624  $\chi^2$ /NDF: 2.4/9

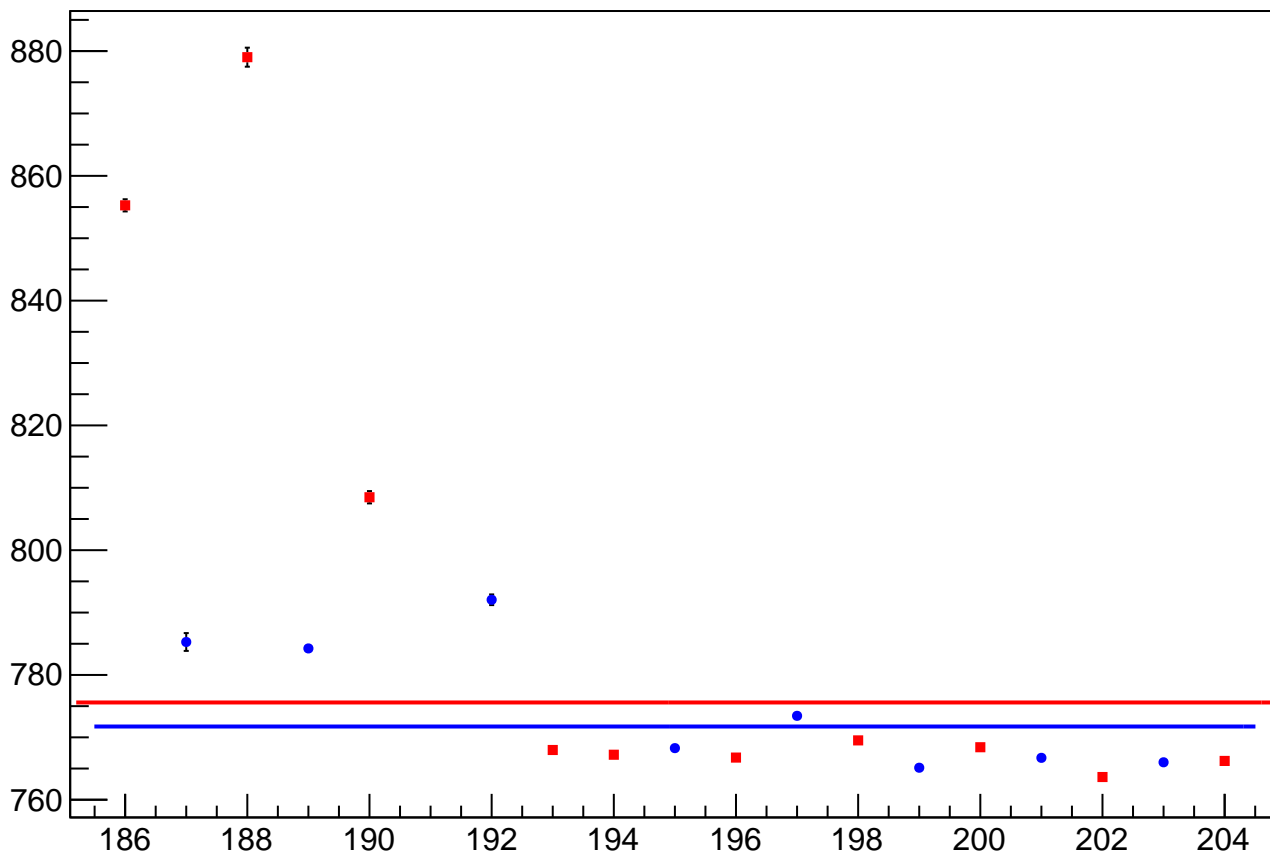
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -343.297+/-227.084  $\chi^2$ /NDF: 11.5/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_us\_dd\_rms vs Slug



Right In: 771.736+/-0.241  $\chi^2$ /NDF: 1223.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 775.590+/-0.215  $\chi^2$ /NDF: 13793.2/9

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

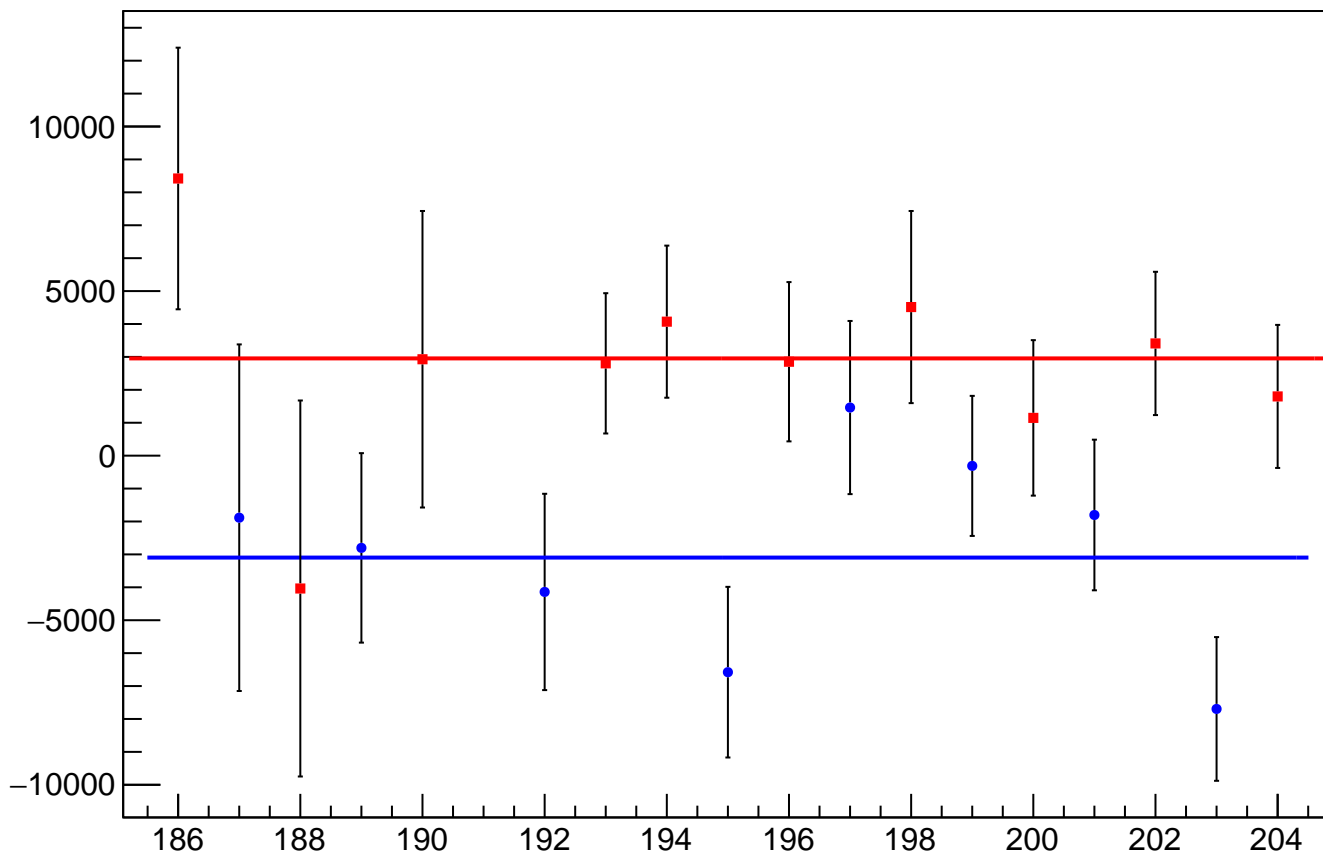
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 773.878+/-0.161  $\chi^2$ /NDF: 15158.4/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# asym\_us\_dd\_correction\_mean vs Slug



Right In:  $-3096.631 \pm 918.932$   $\chi^2/\text{NDF}: 11.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $2954.547 \pm 833.061$   $\chi^2/\text{NDF}: 4.8/9$

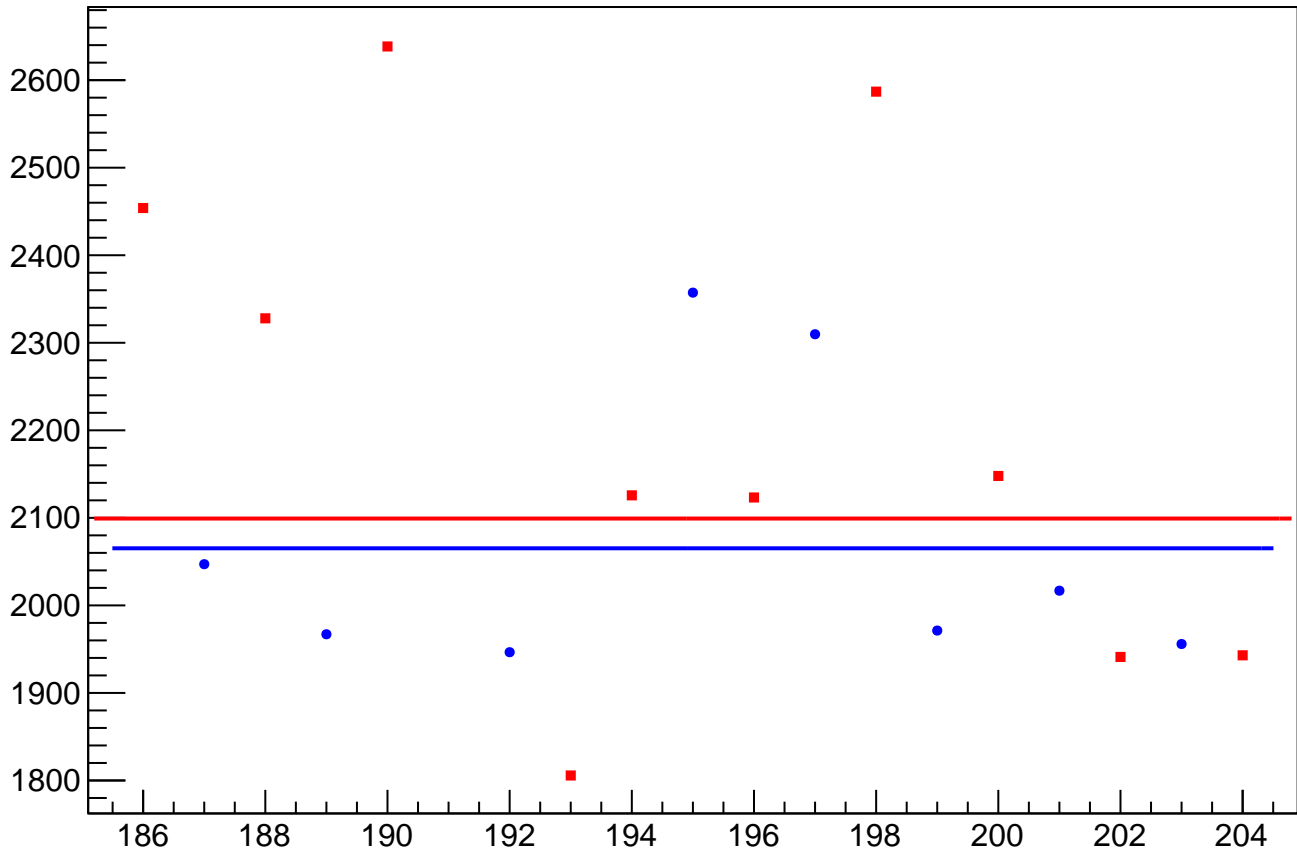
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $224.834 \pm 617.194$   $\chi^2/\text{NDF}: 40.1/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_us\_dd\_correction\_rms vs Slug



Right In: 2065.231 $\pm$ 0.650  $\chi^2$ /NDF: 58002.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2099.222 $\pm$ 0.589  $\chi^2$ /NDF: 163762.7/9

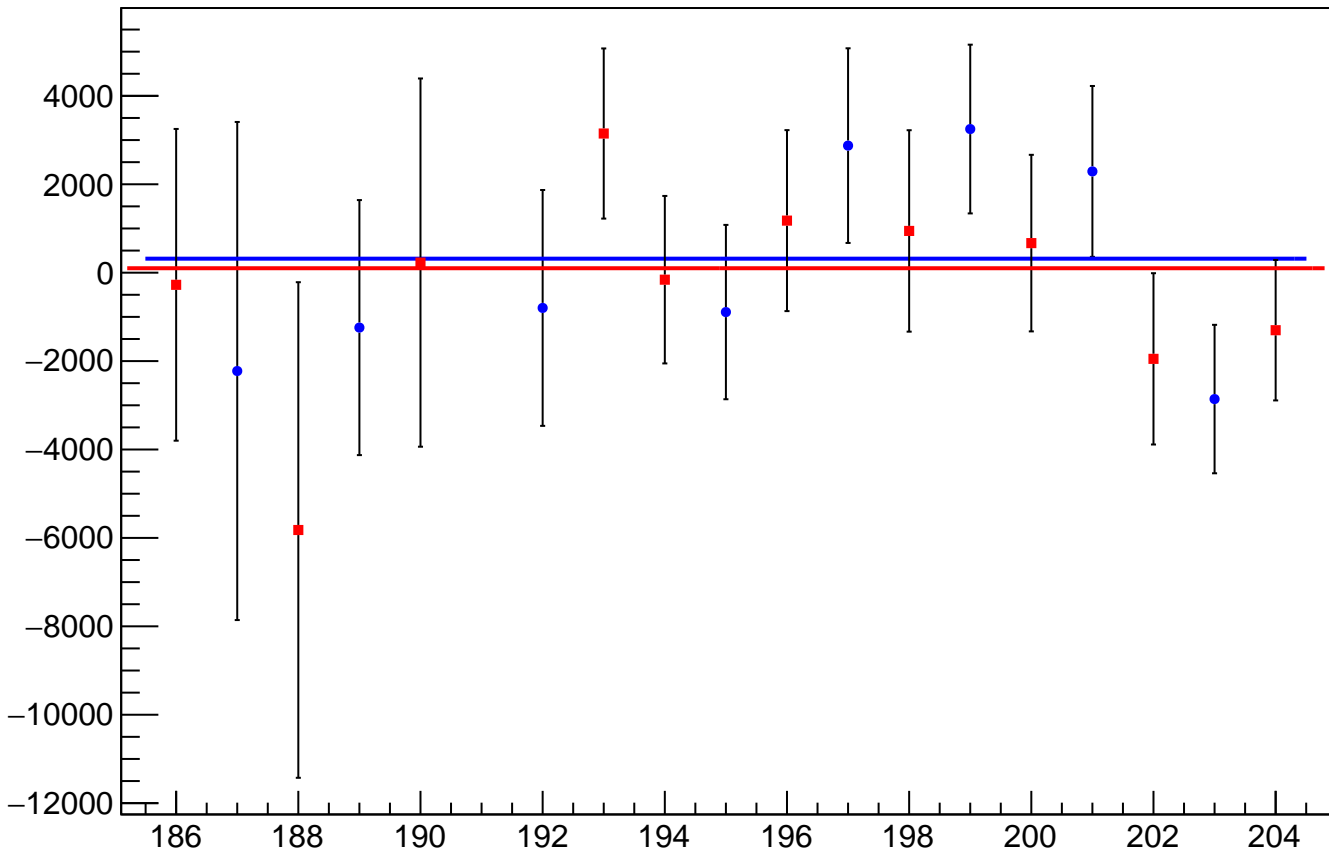
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2083.889 $\pm$ 0.436  $\chi^2$ /NDF: 223266.9/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_us\_dd\_mean vs Slug



Right In: 316.980 $\pm$ 777.913  $\chi^2$ /NDF: 9.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 100.555 $\pm$ 696.192  $\chi^2$ /NDF: 6.0/9

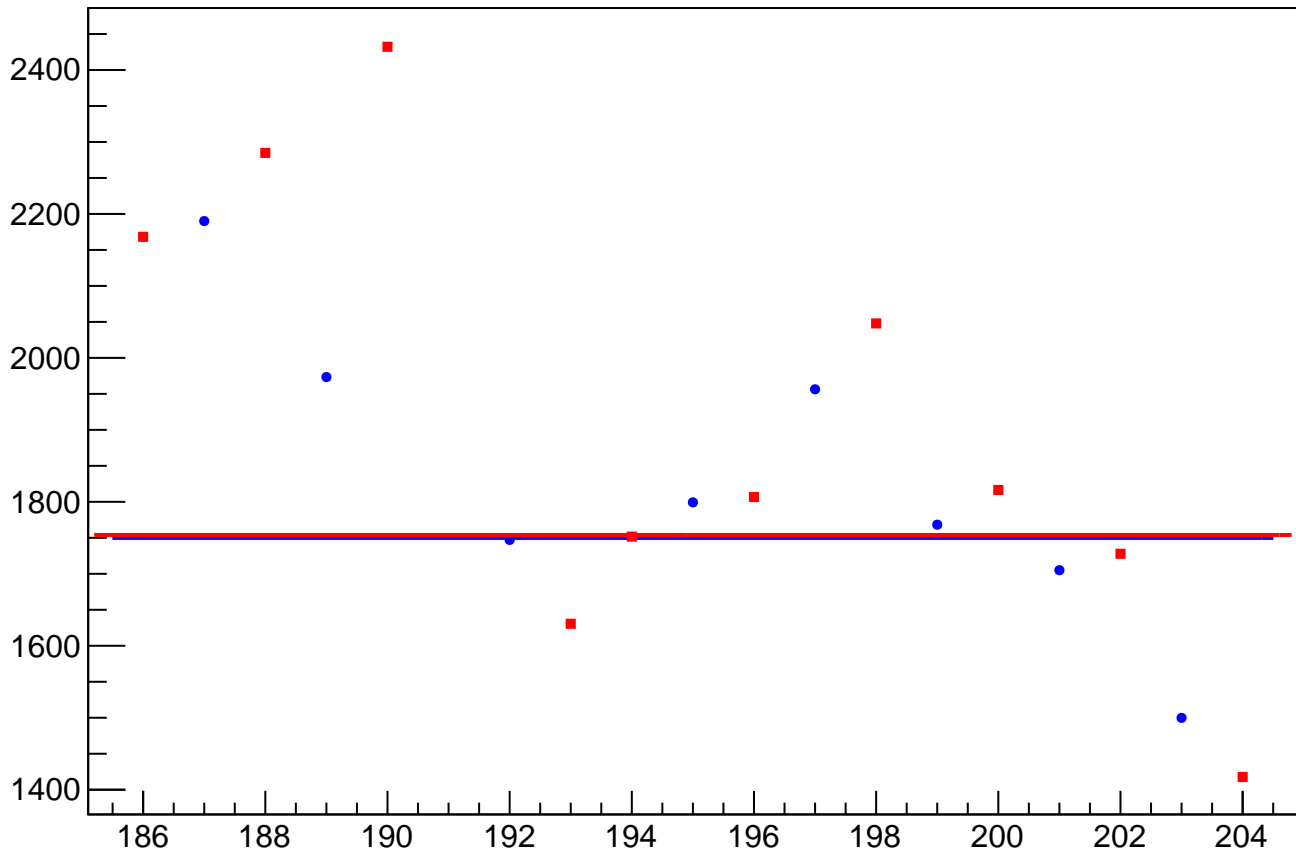
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 196.806 $\pm$ 518.776  $\chi^2$ /NDF: 15.5/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_us\_dd\_rms vs Slug



Right In: 1749.871 $\pm$ 0.550  $\chi^2$ /NDF: 88673.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1753.972 $\pm$ 0.492  $\chi^2$ /NDF: 233371.7/9

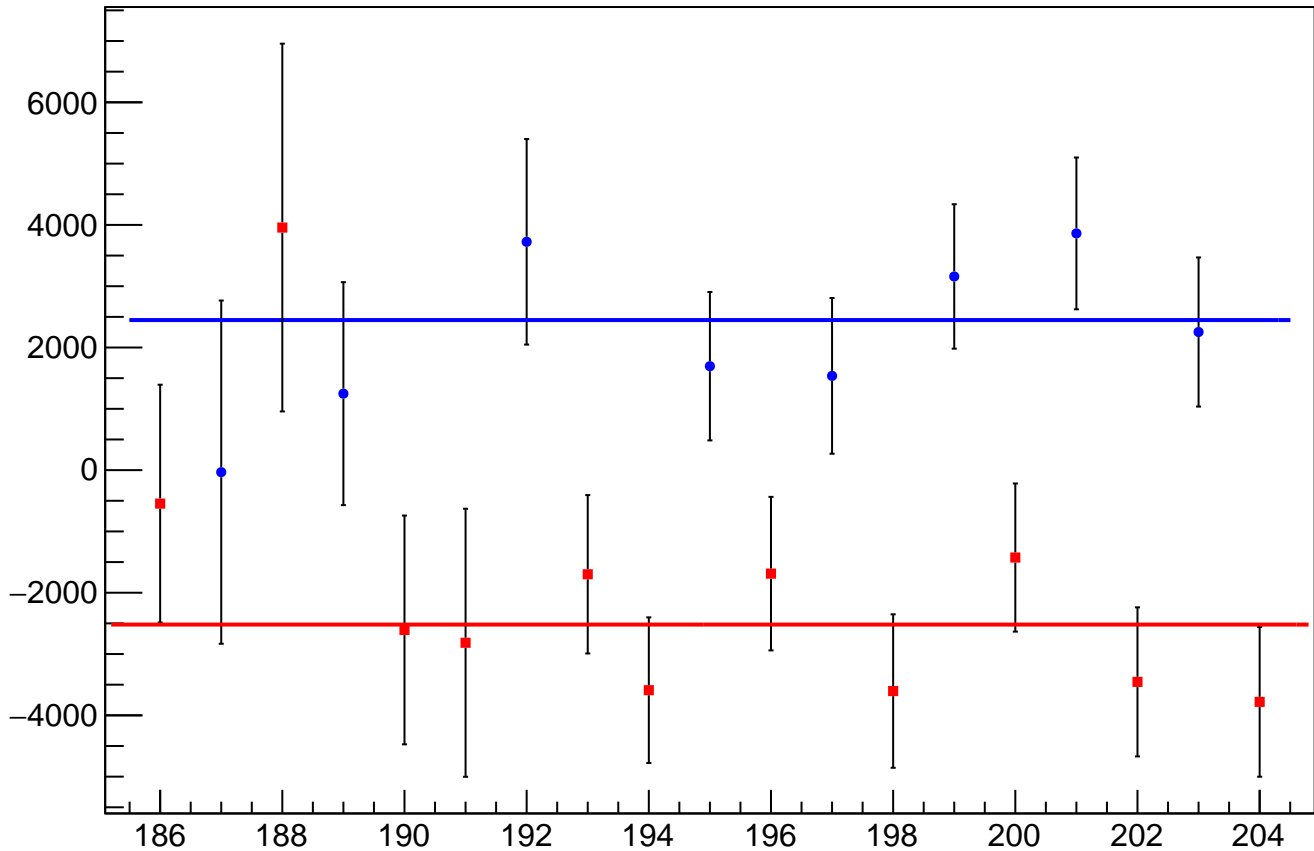
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1752.148 $\pm$ 0.367  $\chi^2$ /NDF: 322076.5/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_usl\_mean vs Slug



Right In: 2447.822+/-491.672  $\chi^2$ /NDF: 4.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2519.600+/-426.801  $\chi^2$ /NDF: 10.6/10

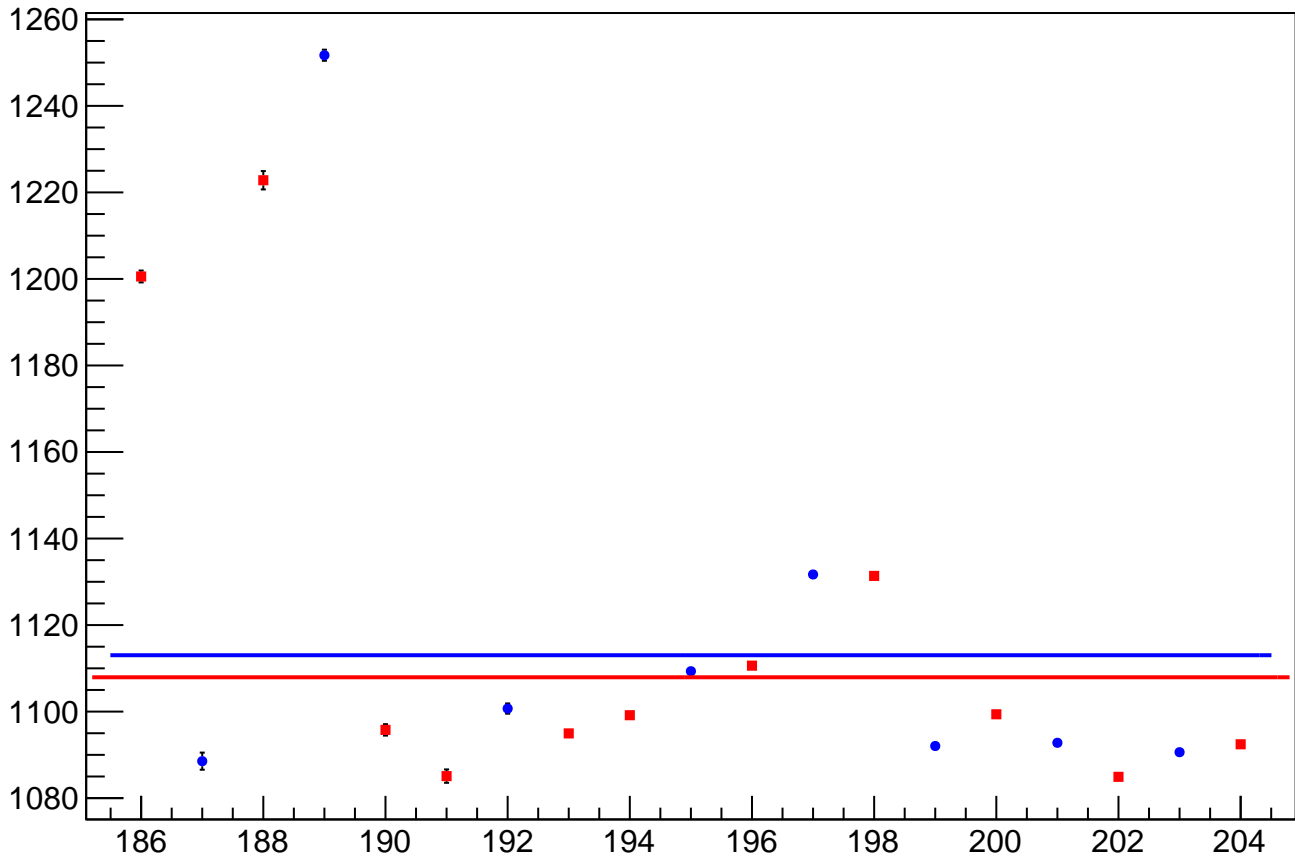
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -384.988+/-322.306  $\chi^2$ /NDF: 73.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_usl\_rms vs Slug



Right In: 1113.030 $\pm$ 0.348  $\chi^2$ /NDF: 14189.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1107.932 $\pm$ 0.302  $\chi^2$ /NDF: 9957.3/10

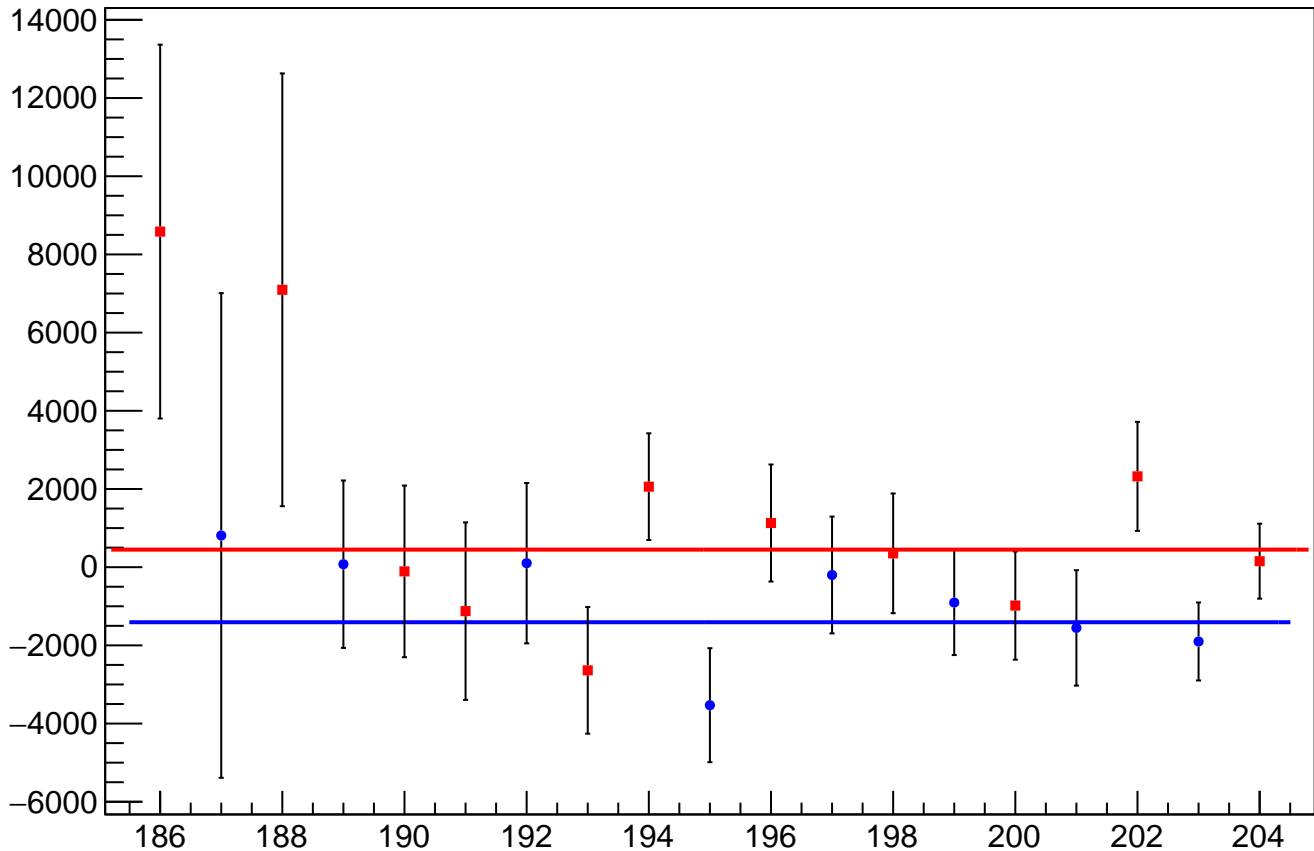
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1110.123 $\pm$ 0.228  $\chi^2$ /NDF: 24269.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_usl\_correction\_mean vs Slug



Right In:  $-1407.635 \pm 540.885$   $\chi^2/\text{NDF}: 4.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $449.116 \pm 477.050$   $\chi^2/\text{NDF}: 13.1/10$

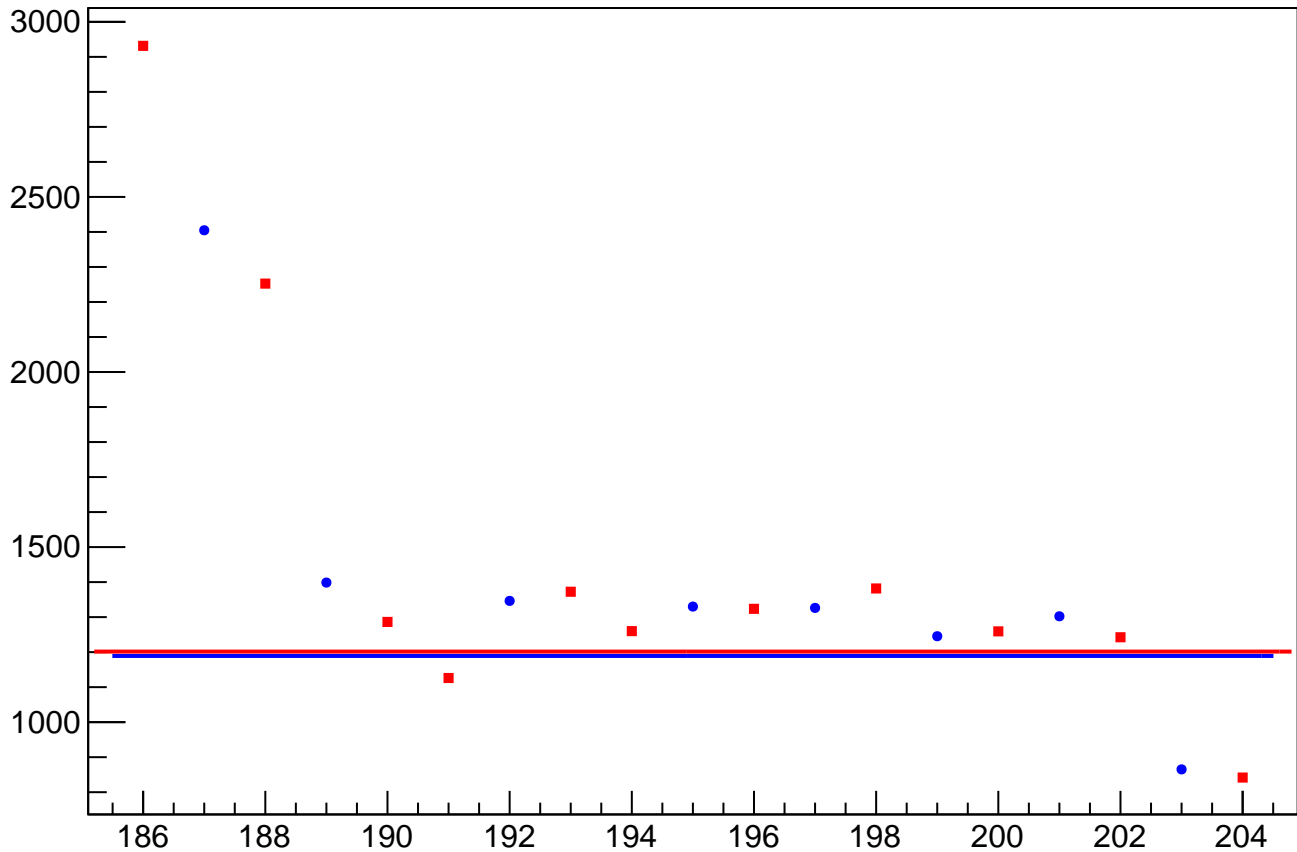
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-363.278 \pm 357.776$   $\chi^2/\text{NDF}: 24.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_usl\_correction\_rms vs Slug



Right In: 1189.062+/-0.382  $\chi^2/\text{NDF}$ : 369769.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1201.580+/-0.337  $\chi^2/\text{NDF}$ : 693237.9/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

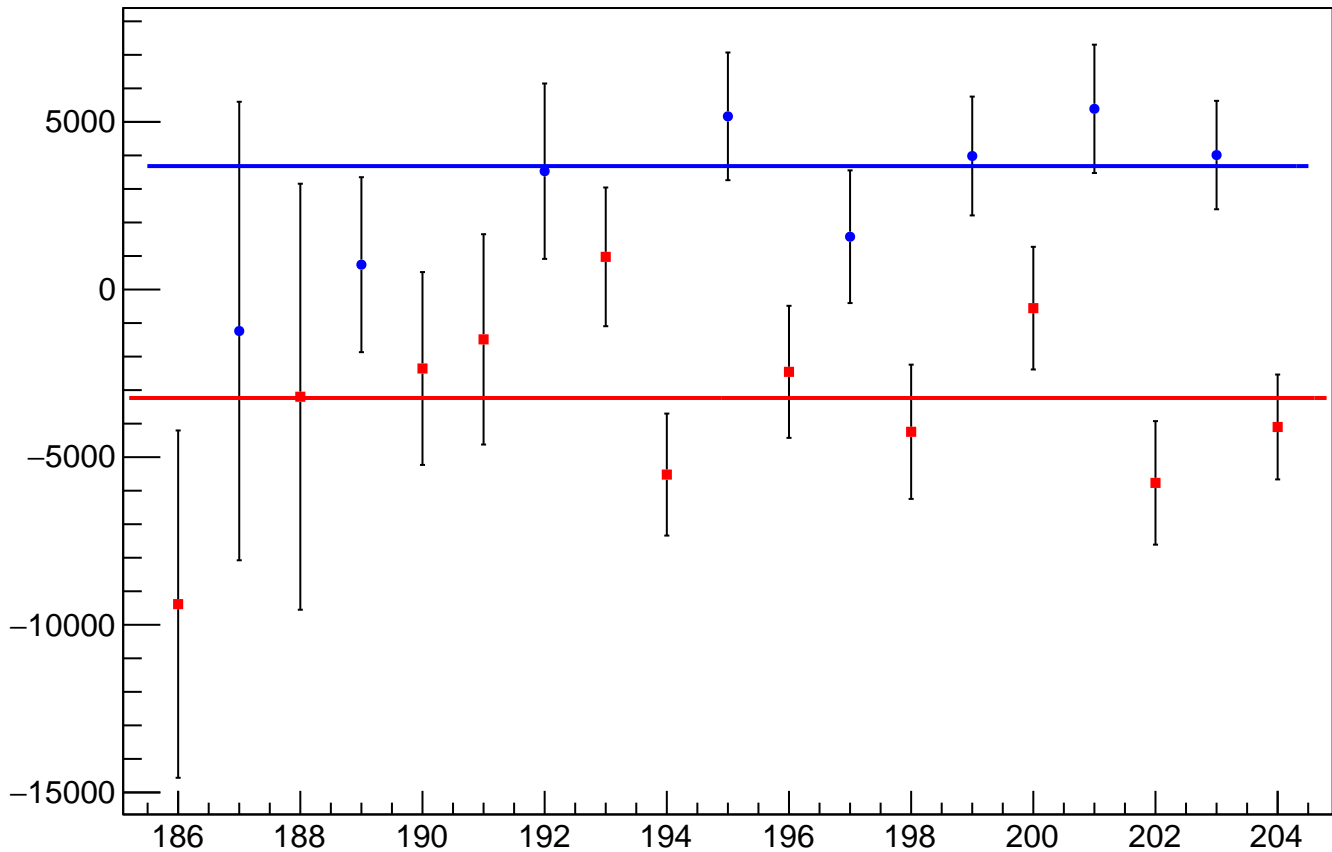
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1196.103+/-0.253  $\chi^2/\text{NDF}$ : 1063609.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_usl\_mean vs Slug



Right In: 3681.741+/-741.390  $\chi^2/\text{NDF}$ : 4.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3234.798+/-655.121  $\chi^2/\text{NDF}$ : 12.3/10

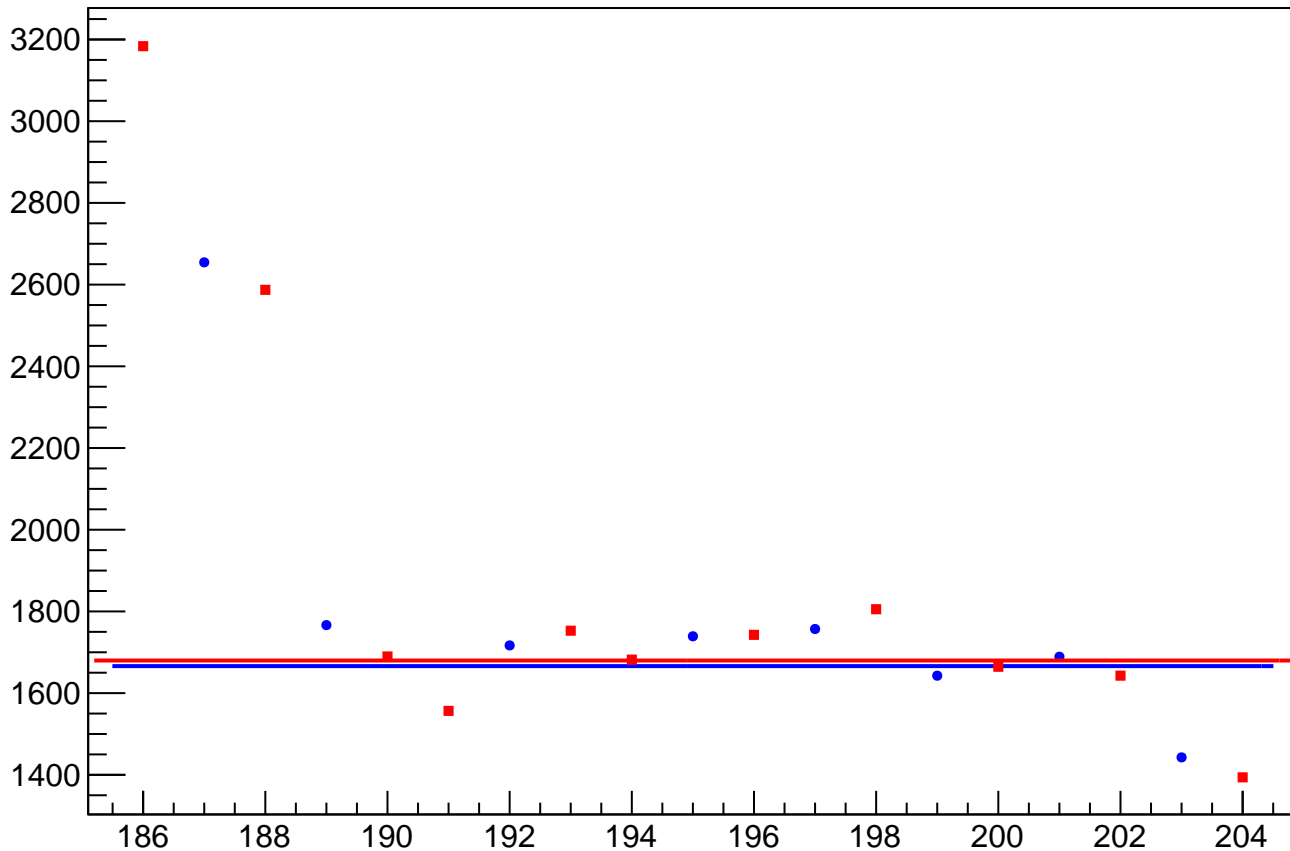
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -202.170+/-490.921  $\chi^2/\text{NDF}$ : 65.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_usl\_rms vs Slug



Right In: 1666.135 $\pm$ 0.524  $\chi^2$ /NDF: 91454.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

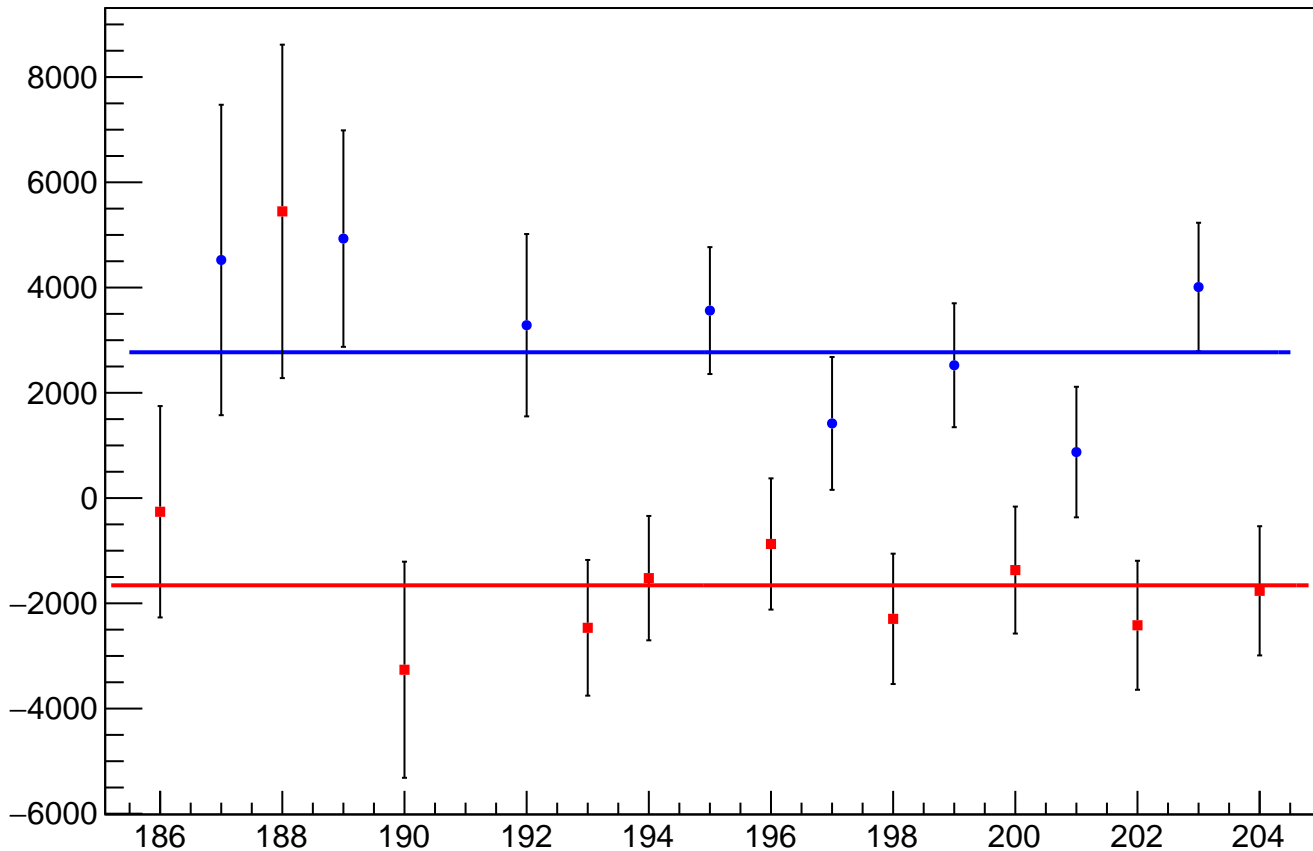
Right Out: 1679.836 $\pm$ 0.463  $\chi^2$ /NDF: 292690.2/10

All: 1673.829 $\pm$ 0.347  $\chi^2$ /NDF: 384528.5/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_usr\_mean vs Slug



Right In: 2770.533+/-497.433  $\chi^2$ /NDF: 6.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1657.779+/-437.931  $\chi^2$ /NDF: 7.6/9

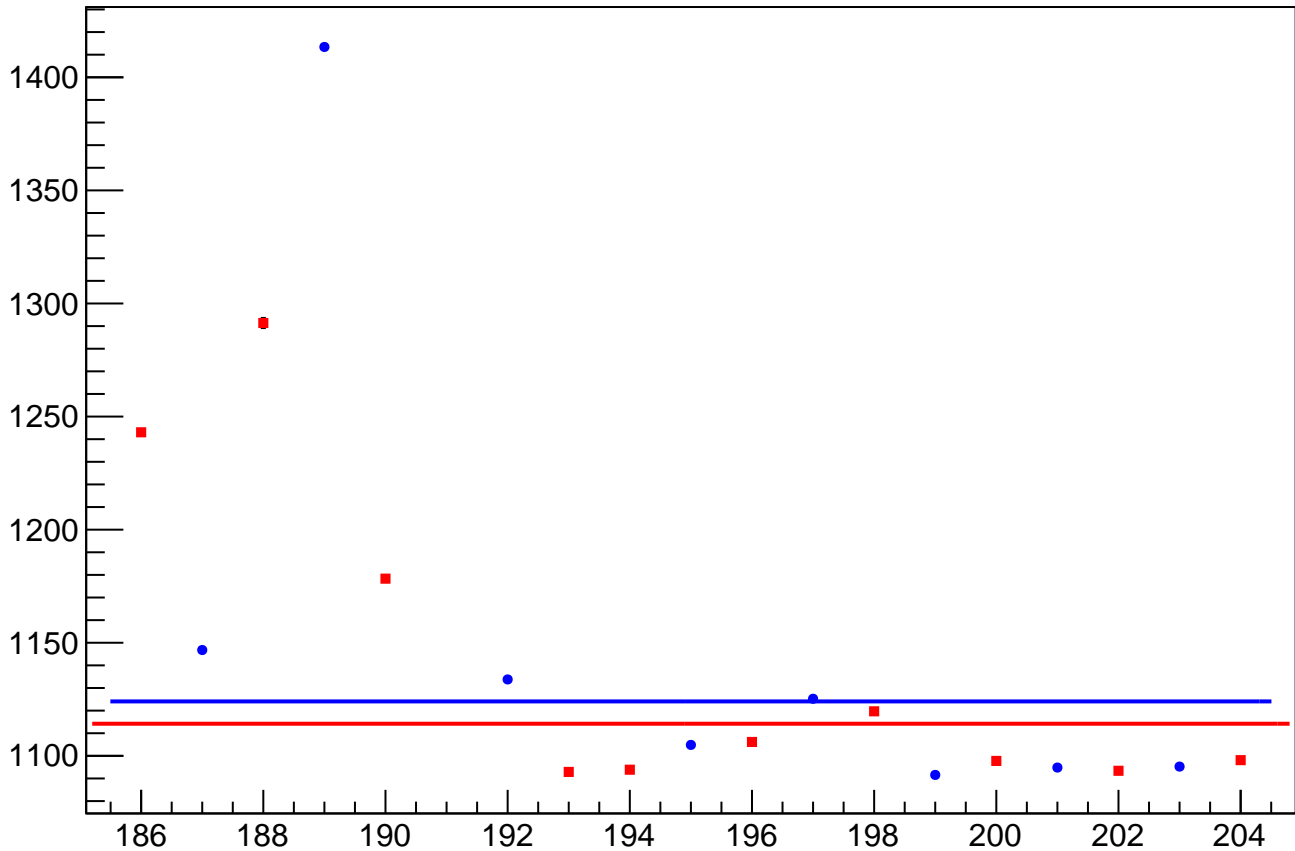
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 275.810+/-328.698  $\chi^2$ /NDF: 58.8/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_usr\_rms vs Slug



Right In: 1124.068 $\pm$ 0.352  $\chi^2$ /NDF: 44024.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1114.202 $\pm$ 0.310  $\chi^2$ /NDF: 18993.7/9

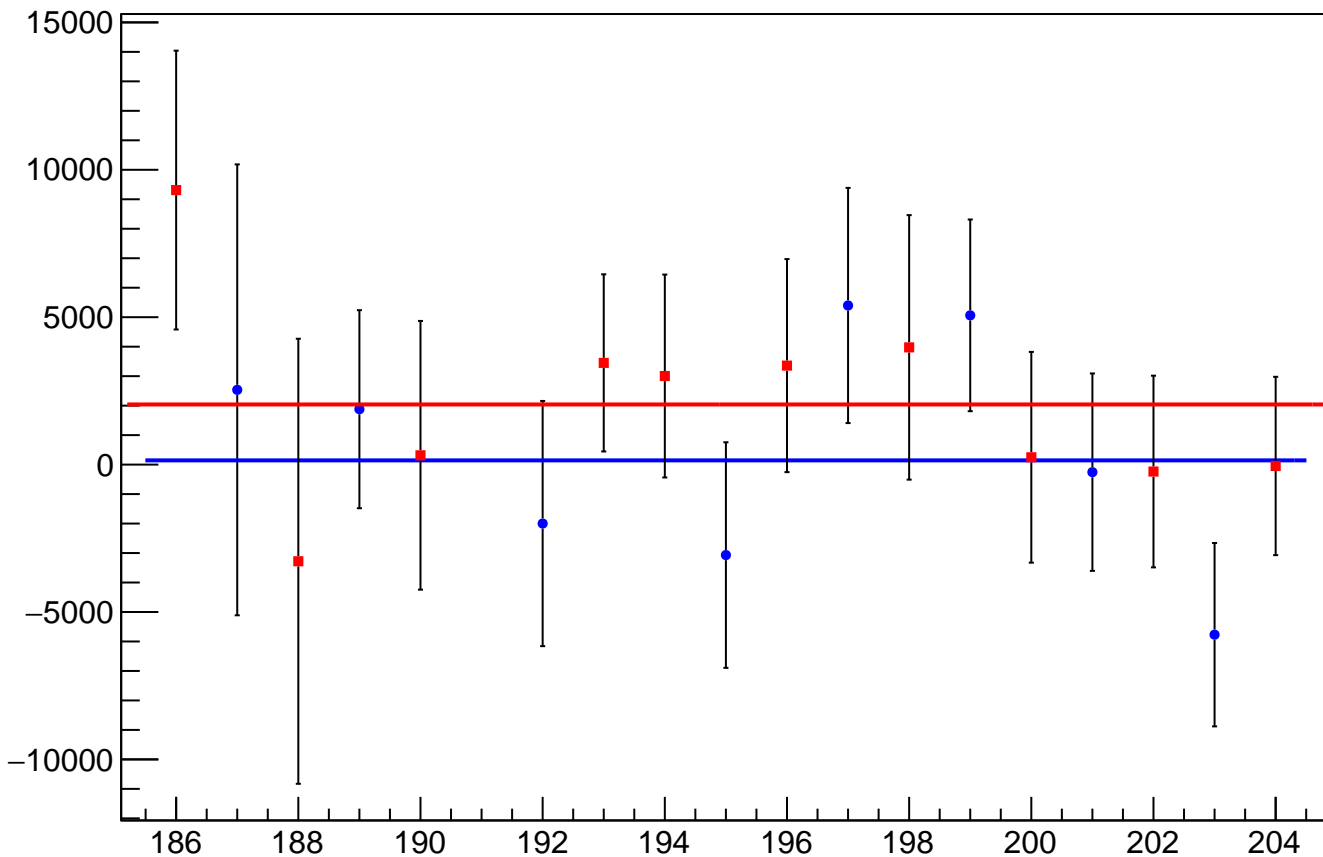
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1118.510 $\pm$ 0.232  $\chi^2$ /NDF: 63461.6/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_usr\_correction\_mean vs Slug



Right In: 143.215+/-1310.945  $\chi^2$ /NDF: 9.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2040.045+/-1183.433  $\chi^2$ /NDF: 4.8/9

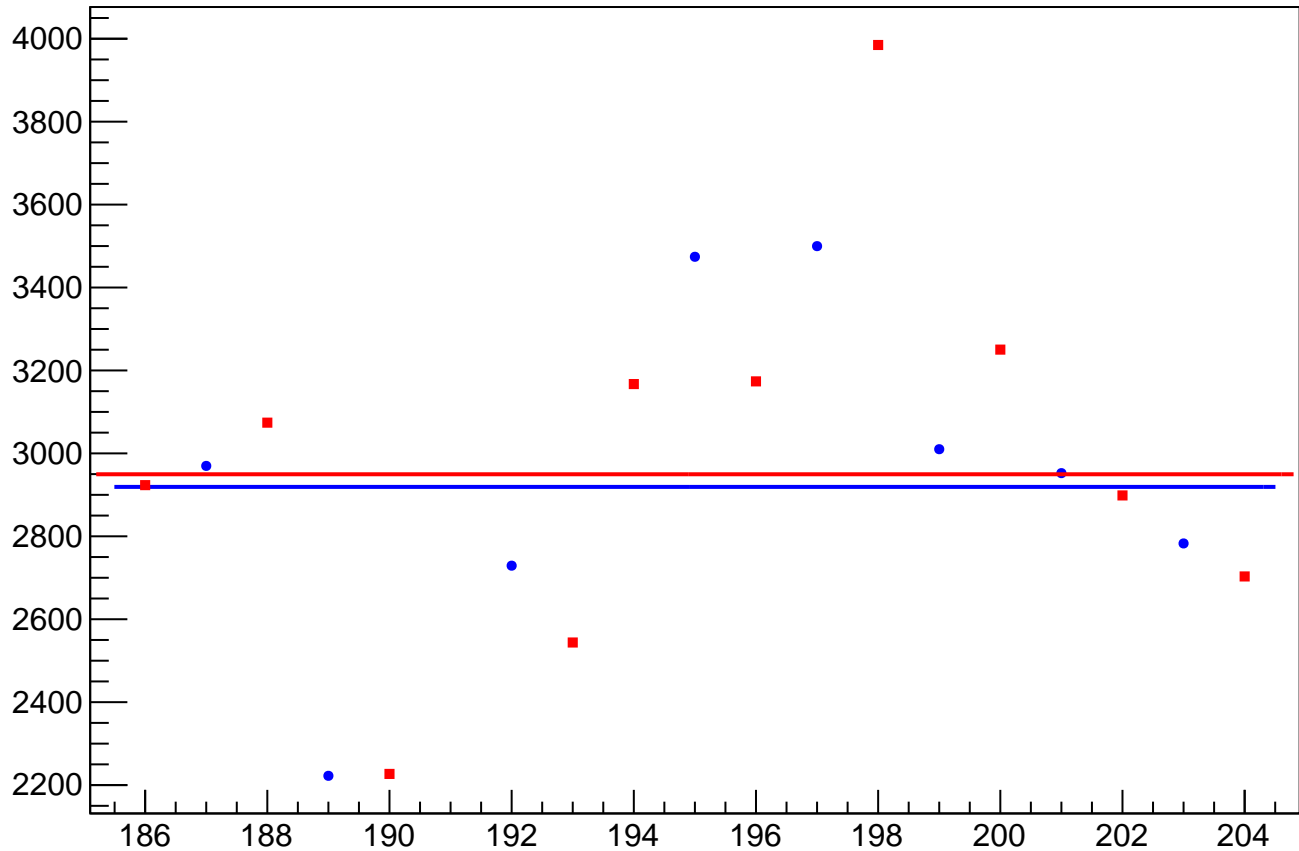
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1188.343+/-878.444  $\chi^2$ /NDF: 15.0/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_usr\_correction\_rms vs Slug



Right In: 2919.162 $\pm$ 0.927  $\chi^2$ /NDF: 180370.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2949.631 $\pm$ 0.837  $\chi^2$ /NDF: 237457.2/9

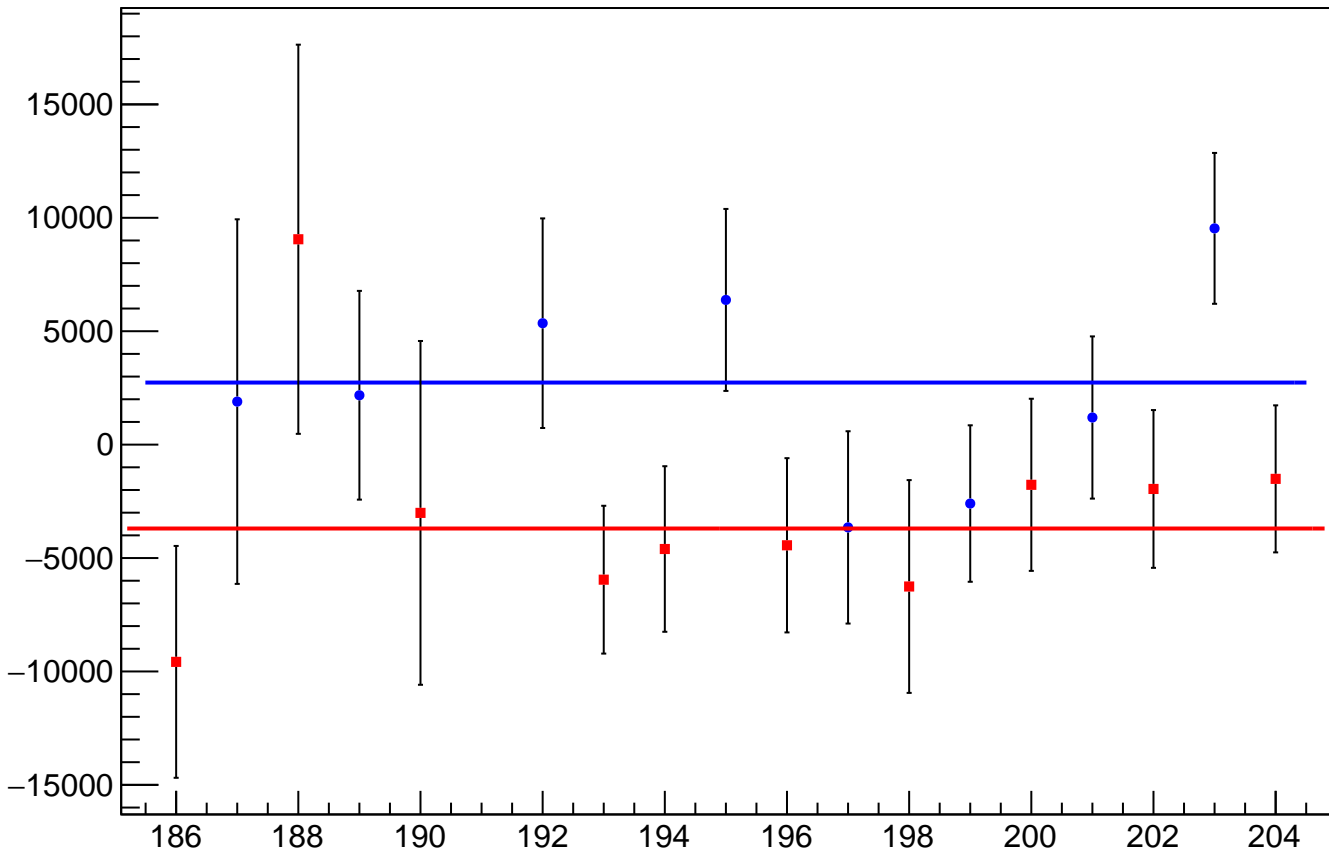
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2935.950 $\pm$ 0.621  $\chi^2$ /NDF: 418423.4/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_usr\_mean vs Slug



Right In: 2736.394+/-1443.359  $\chi^2$ /NDF: 10.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -3698.264+/-1291.993  $\chi^2$ /NDF: 5.4/9

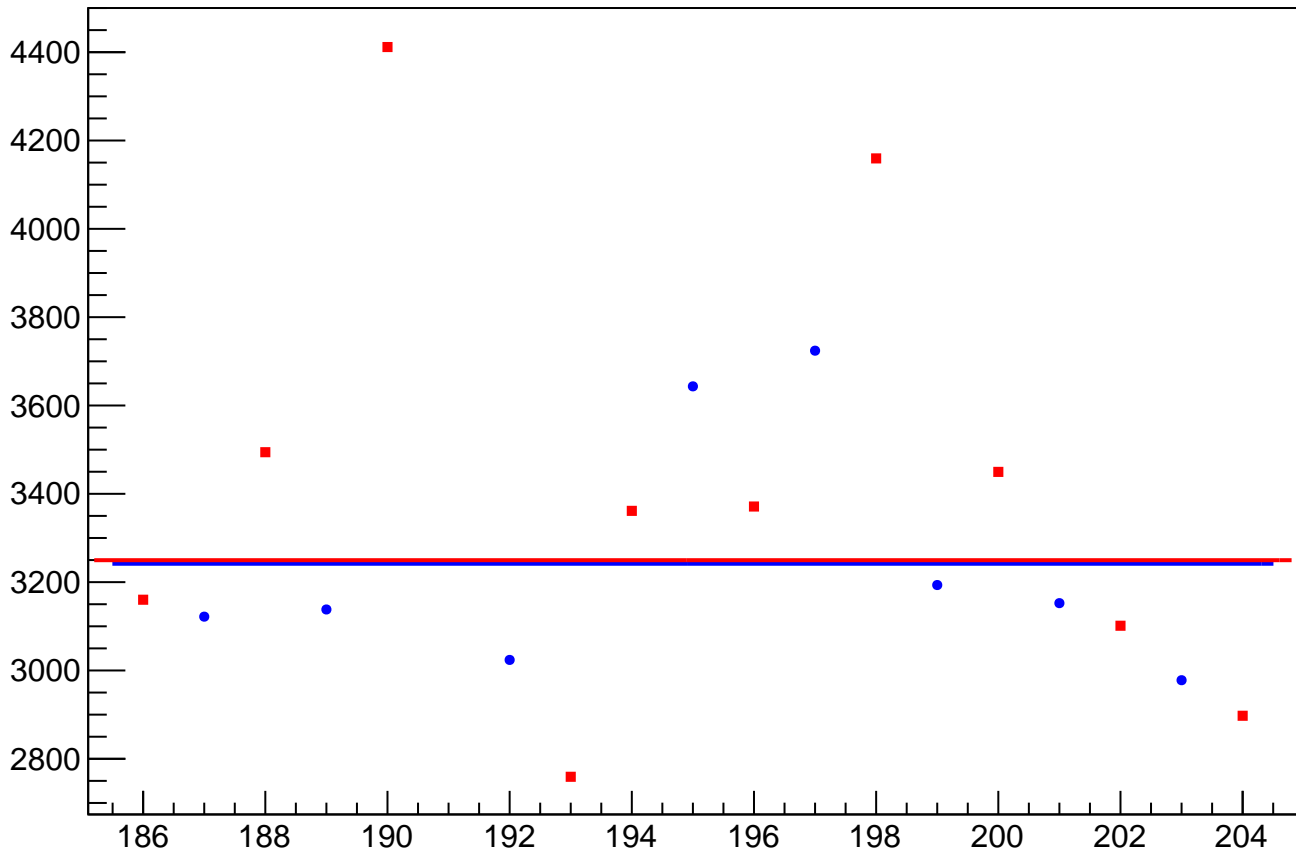
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -835.922+/-962.659  $\chi^2$ /NDF: 26.6/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_usr\_rms vs Slug



Right In: 3241.658+/-1.021  $\chi^2$ /NDF: 66065.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3249.714+/-0.914  $\chi^2$ /NDF: 206489.0/9

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

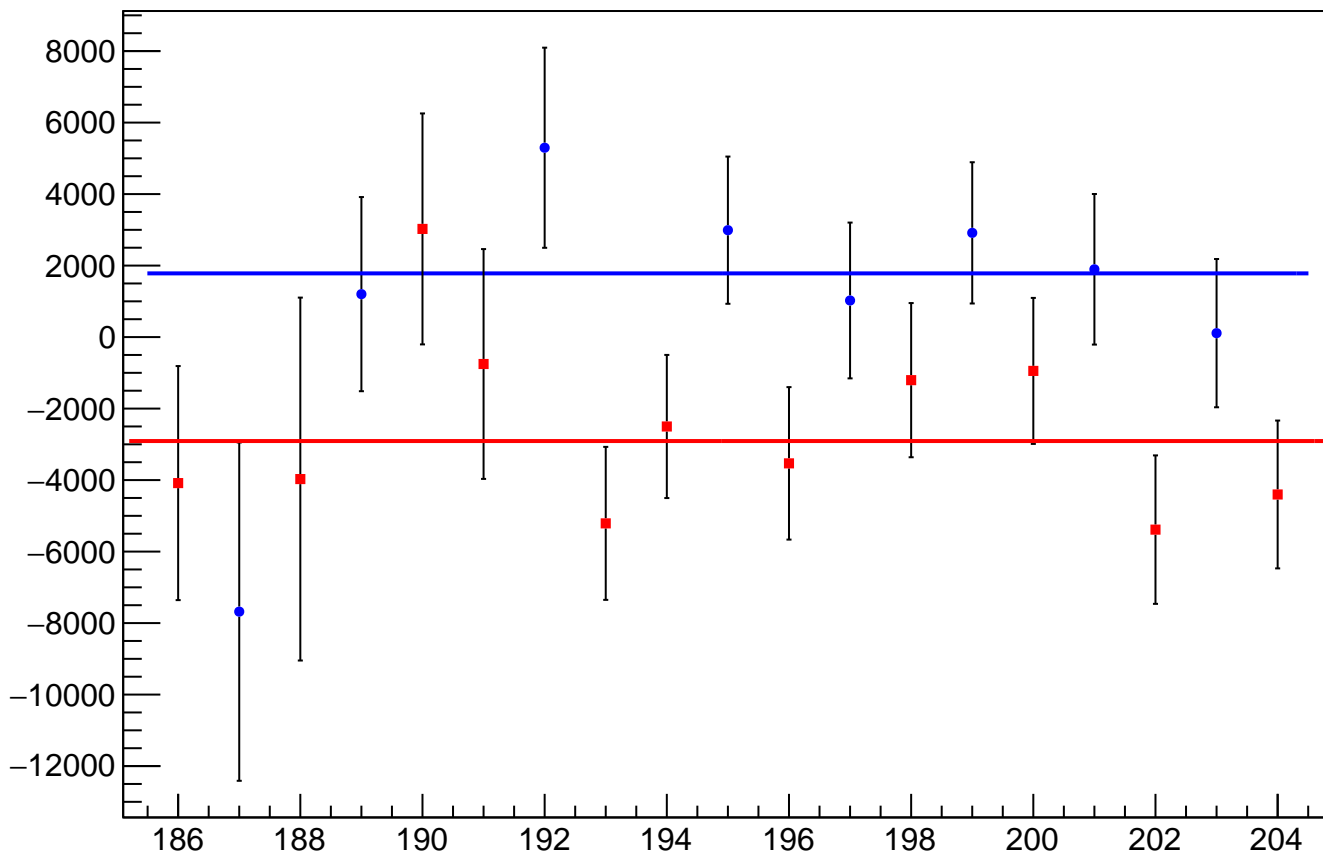
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 3246.131+/-0.681  $\chi^2$ /NDF: 272588.9/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_at1\_avg\_mean vs Slug



Right In: 1782.039 $\pm$ 825.164  $\chi^2$ /NDF: 7.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2907.978 $\pm$ 719.214  $\chi^2$ /NDF: 8.8/10

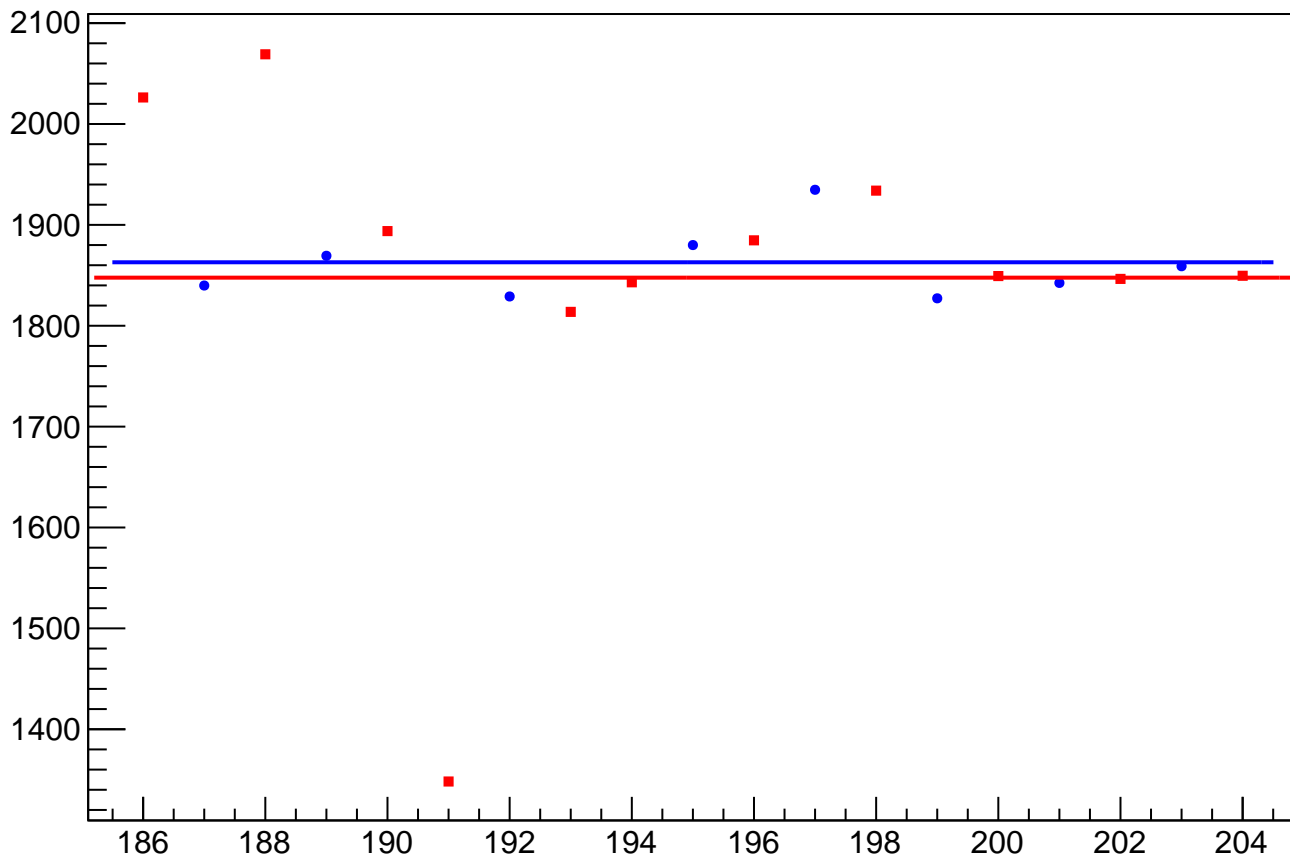
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -883.216 $\pm$ 542.176  $\chi^2$ /NDF: 34.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_at1\_avg\_rms vs Slug



Right In: 1862.924 $\pm$ 0.583  $\chi^2$ /NDF: 3515.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1847.679 $\pm$ 0.509  $\chi^2$ /NDF: 62777.3/10

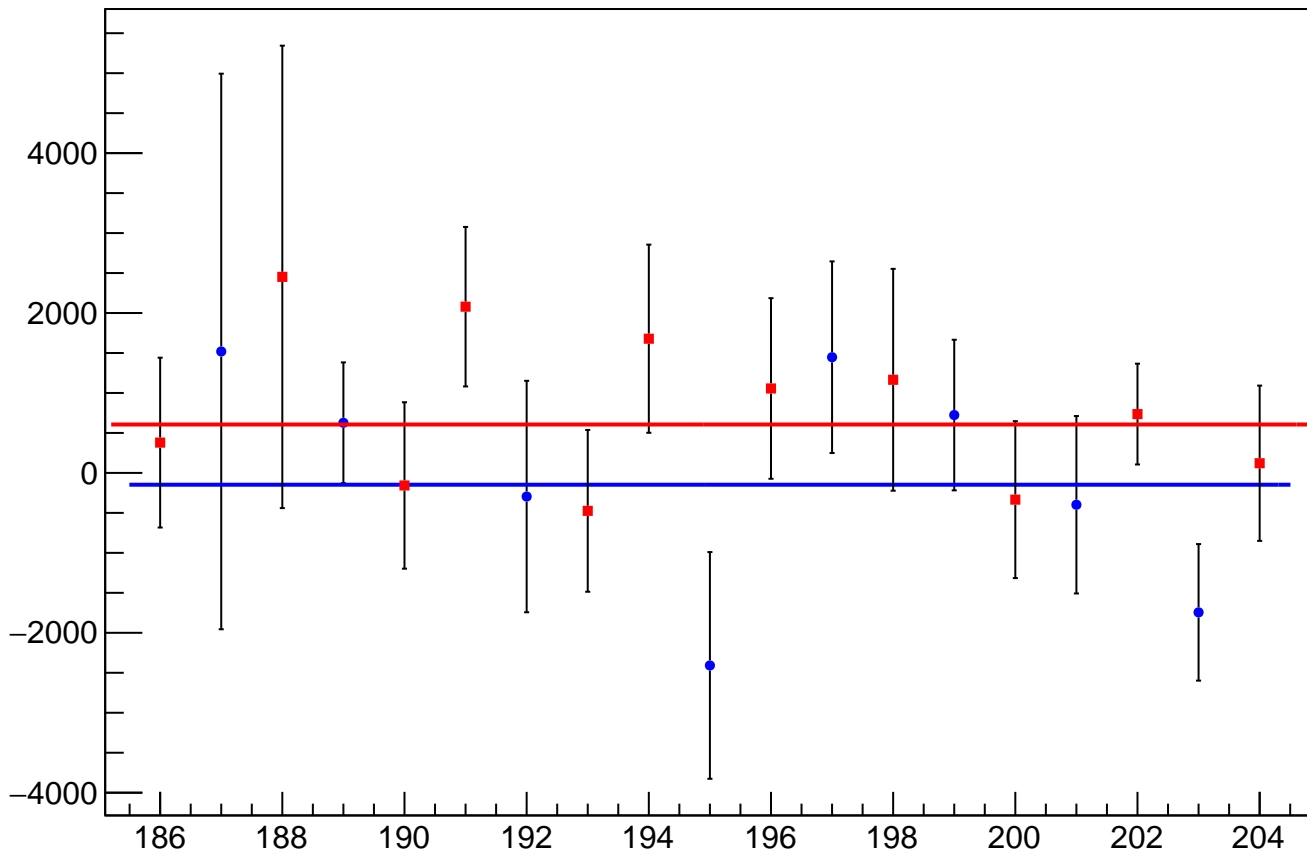
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1854.261 $\pm$ 0.383  $\chi^2$ /NDF: 66680.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at1\_avg\_correction\_mean vs Slug



Right In:  $-147.656 \pm 383.010$   $\chi^2/\text{NDF}$ : 10.0/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $605.525 \pm 307.864$   $\chi^2/\text{NDF}$ : 6.7/10

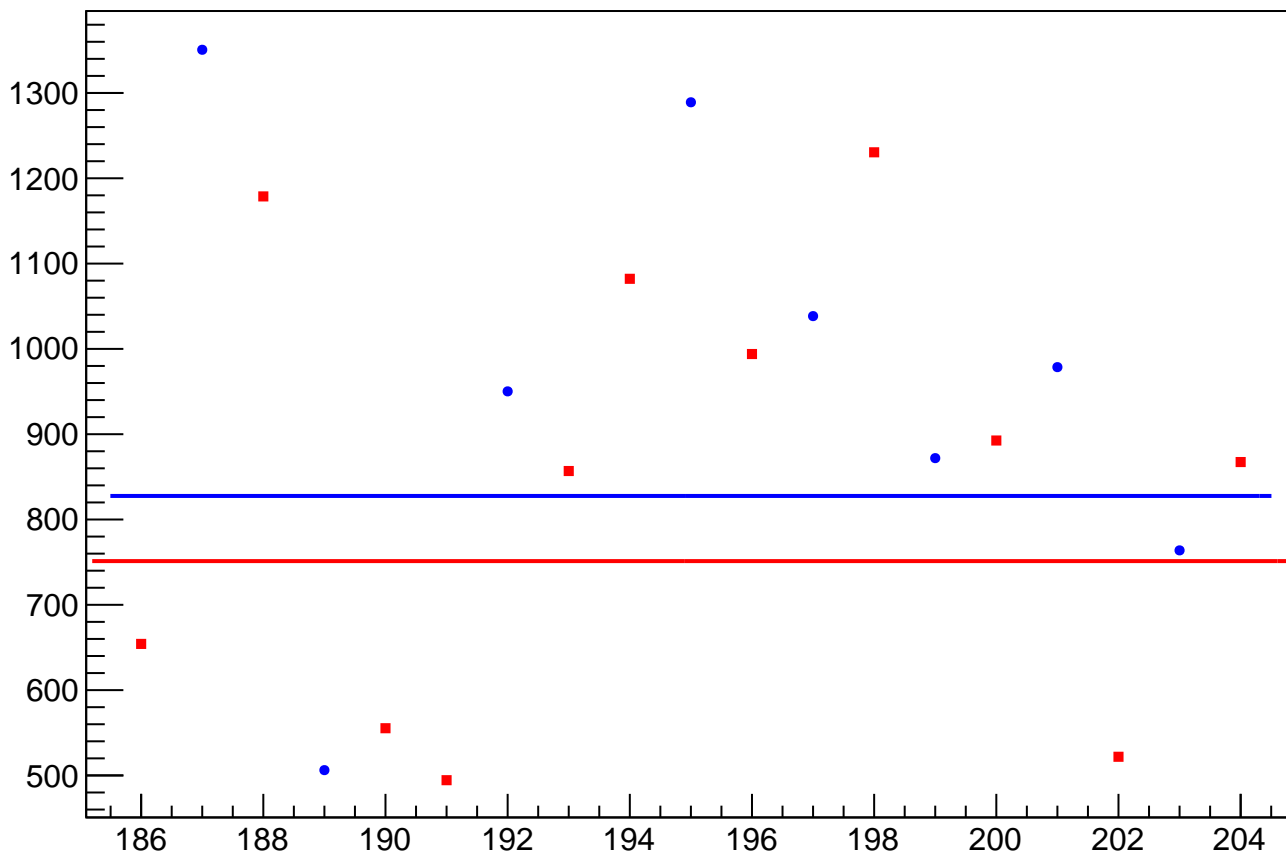
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $309.899 \pm 239.956$   $\chi^2/\text{NDF}$ : 19.0/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at1\_avg\_correction\_rms vs Slug



Right In: 827.620+/-0.271  $\chi^2/\text{NDF}$ : 748056.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

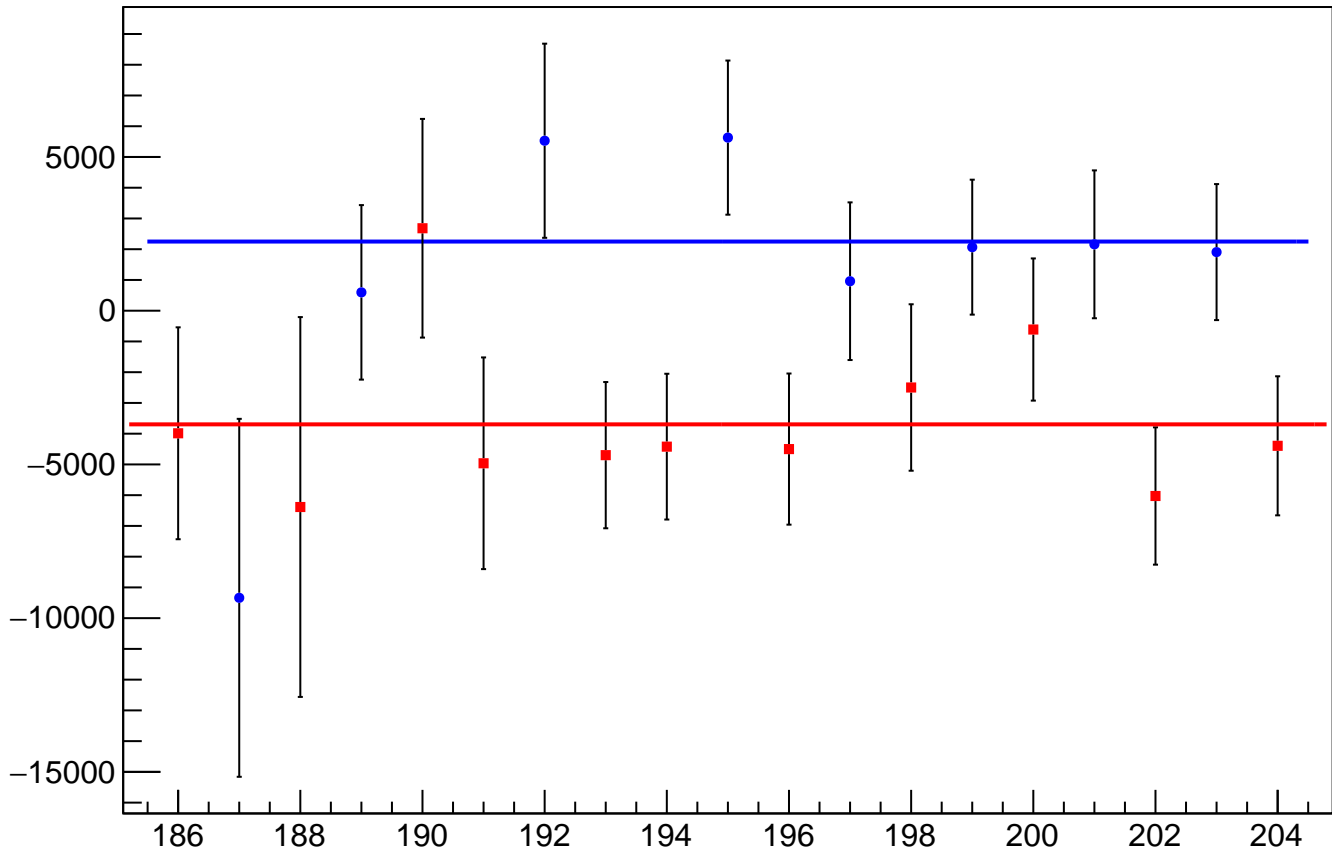
Right Out: 751.246+/-0.218  $\chi^2/\text{NDF}$ : 1109558.6/10

All: 781.223+/-0.170  $\chi^2/\text{NDF}$ : 1905925.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at1\_avg\_mean vs Slug



Right In: 2249.311+/-932.433  $\chi^2$ /NDF: 7.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -3696.598+/-812.807  $\chi^2$ /NDF: 7.1/10

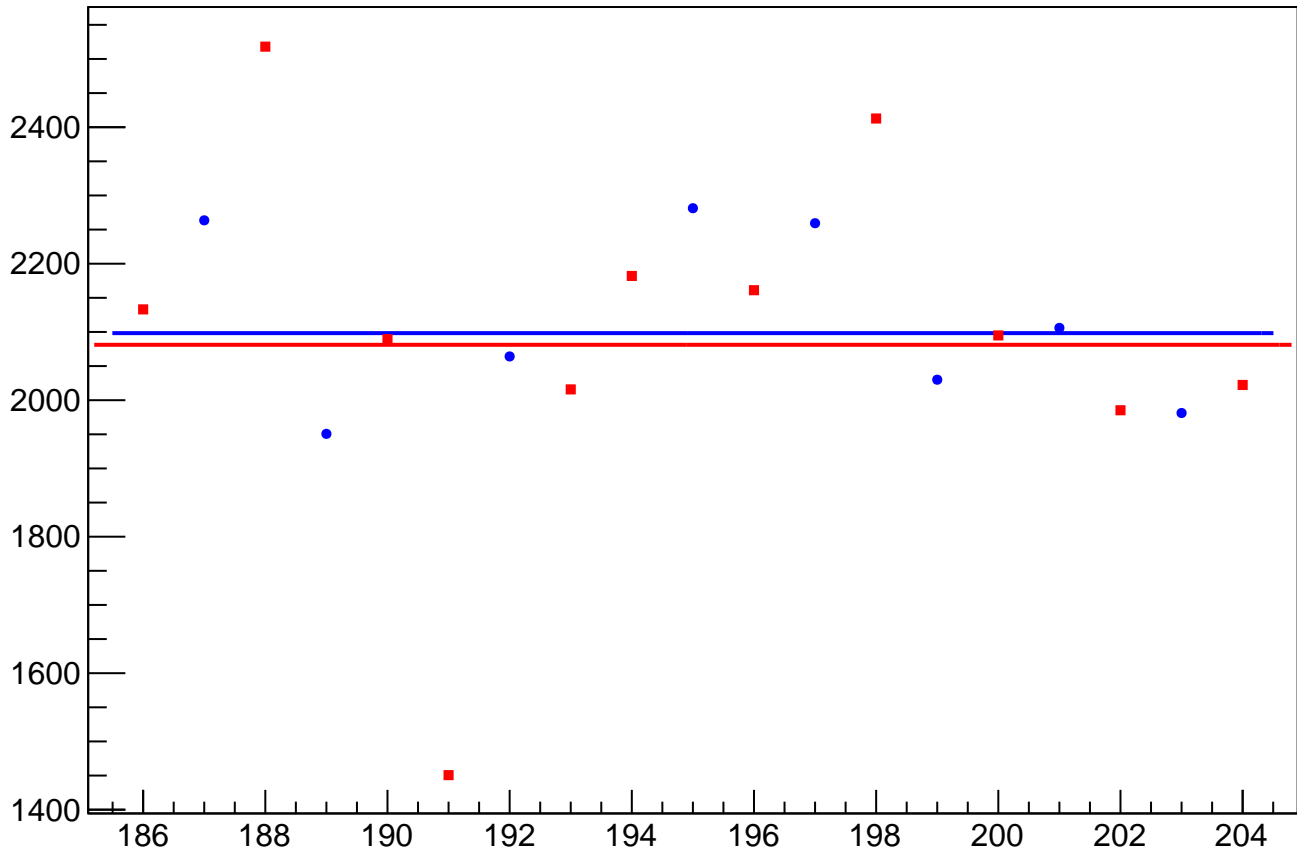
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -1129.293+/-612.699  $\chi^2$ /NDF: 37.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at1\_avg\_rms vs Slug



Right In: 2098.272 $\pm$ 0.659  $\chi^2$ /NDF: 33365.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

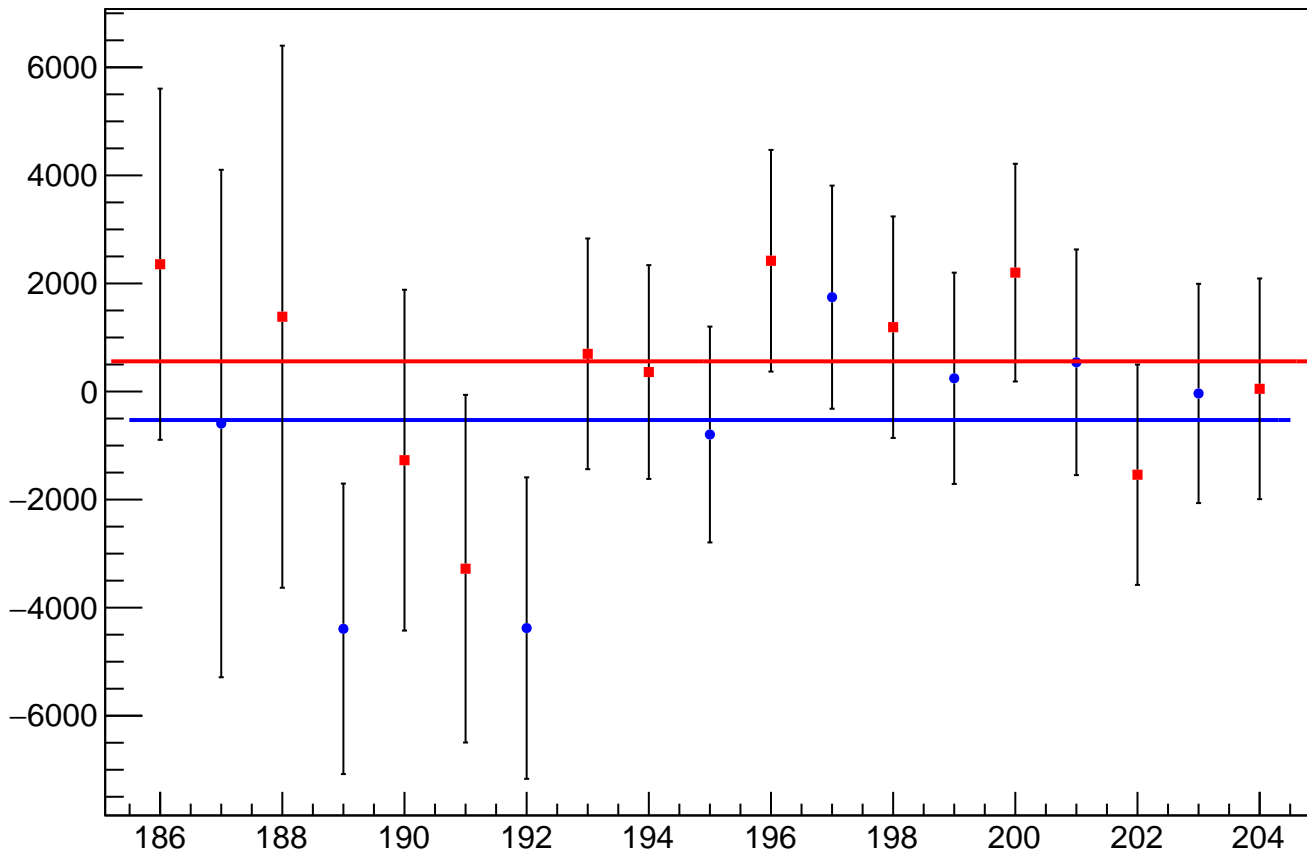
Right Out: 2081.160 $\pm$ 0.575  $\chi^2$ /NDF: 119938.4/10

All: 2088.548 $\pm$ 0.433  $\chi^2$ /NDF: 153686.5/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_at1\_dd\_mean vs Slug



Right In:  $-527.389 \pm 808.110$   $\chi^2/\text{NDF}$ : 5.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $558.433 \pm 705.567$   $\chi^2/\text{NDF}$ : 4.8/10

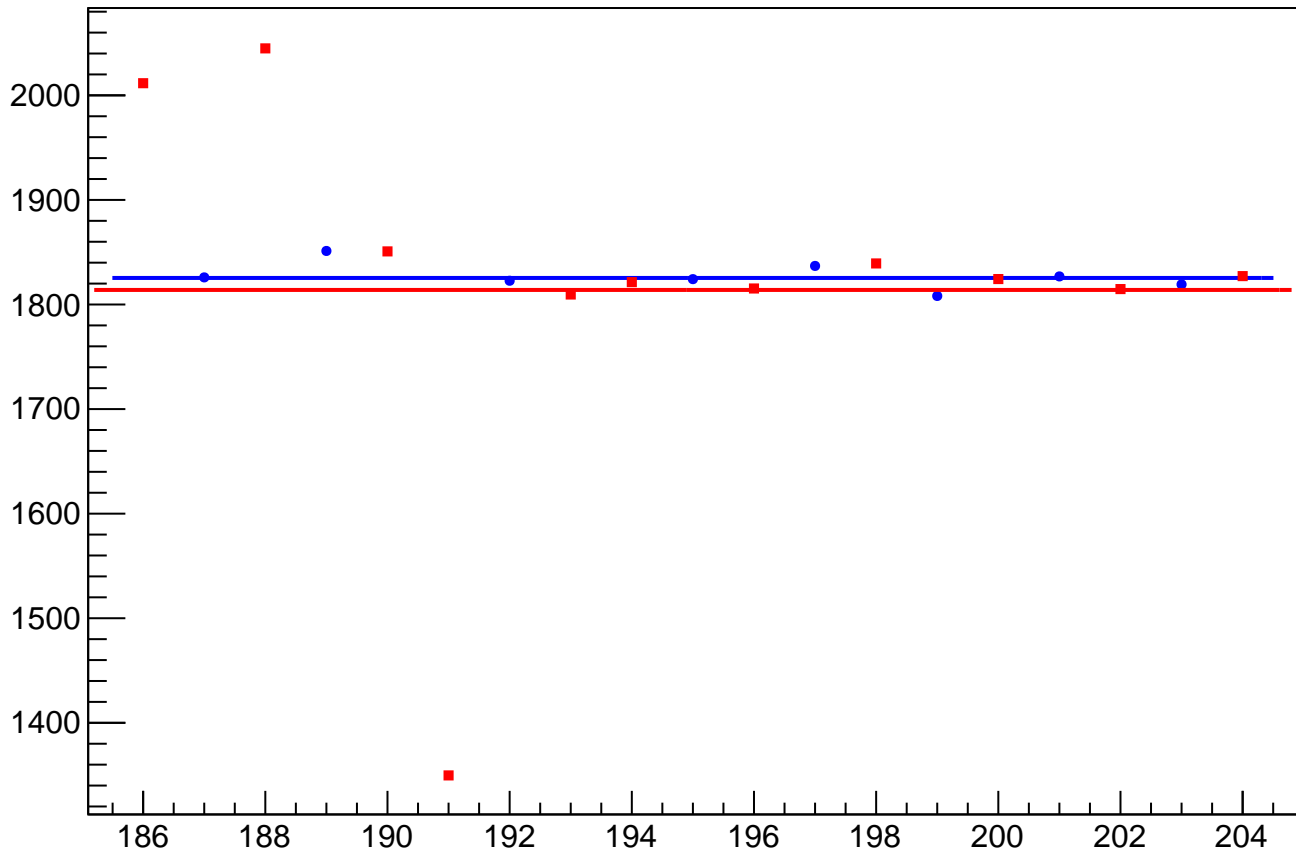
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $88.745 \pm 531.491$   $\chi^2/\text{NDF}$ : 11.5/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_at1\_dd\_rms vs Slug



Right In: 1825.393+/-0.571  $\chi^2$ /NDF: 423.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1813.922+/-0.499  $\chi^2$ /NDF: 54038.6/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

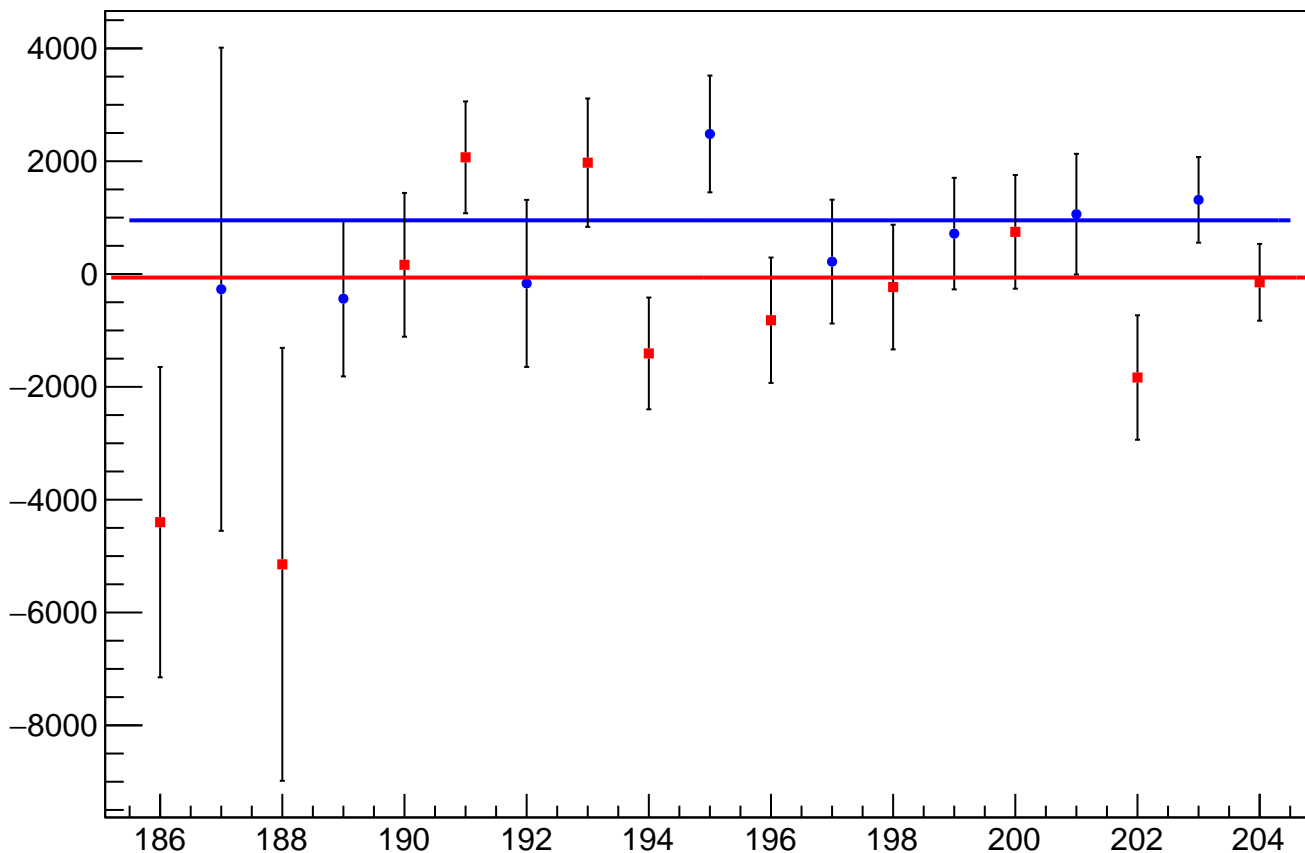
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1818.884+/-0.376  $\chi^2$ /NDF: 54690.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# asym\_at1\_dd\_correction\_mean vs Slug



Right In: 951.895 $\pm$ 394.218  $\chi^2$ /NDF: 4.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -61.956 $\pm$ 329.334  $\chi^2$ /NDF: 17.7/10

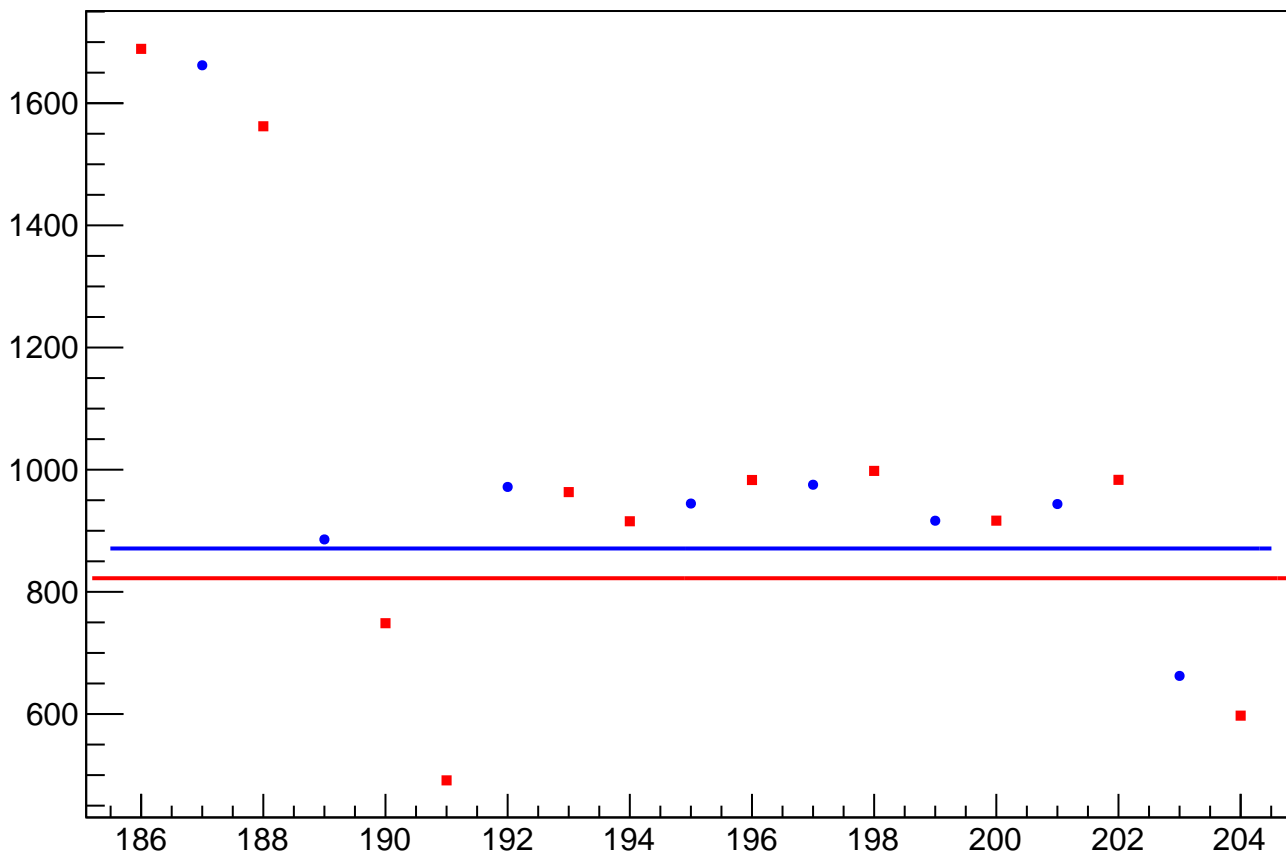
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 354.778 $\pm$ 252.743  $\chi^2$ /NDF: 26.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at1\_dd\_correction\_rms vs Slug



Right In: 871.012 $\pm$ 0.279  $\chi^2$ /NDF: 270575.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 822.312 $\pm$ 0.233  $\chi^2$ /NDF: 922120.9/10

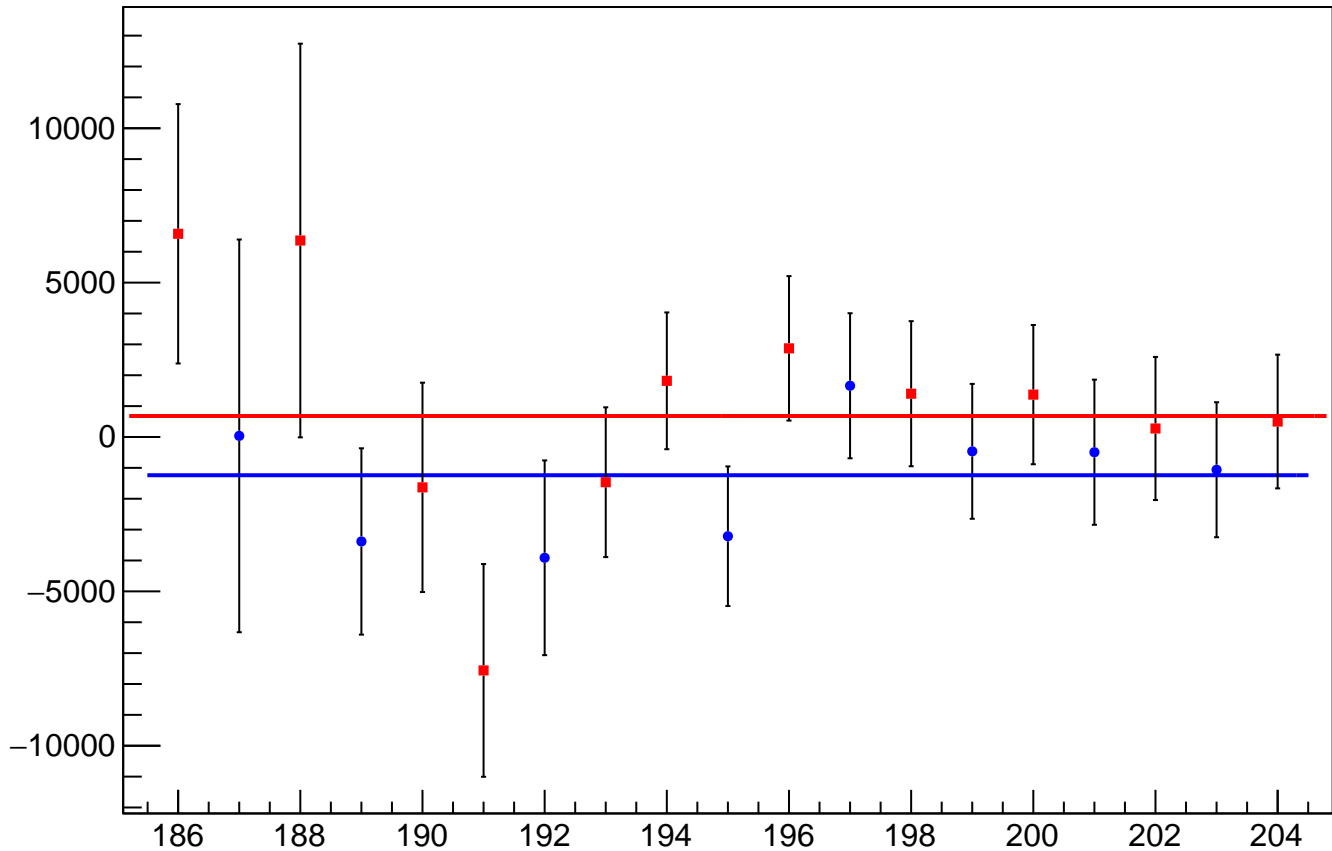
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 842.330 $\pm$ 0.179  $\chi^2$ /NDF: 1210672.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at1\_dd\_mean vs Slug



Right In:  $-1238.398 \pm 908.489$   $\chi^2/\text{NDF}$ : 3.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $680.063 \pm 794.046$   $\chi^2/\text{NDF}$ : 11.1/10

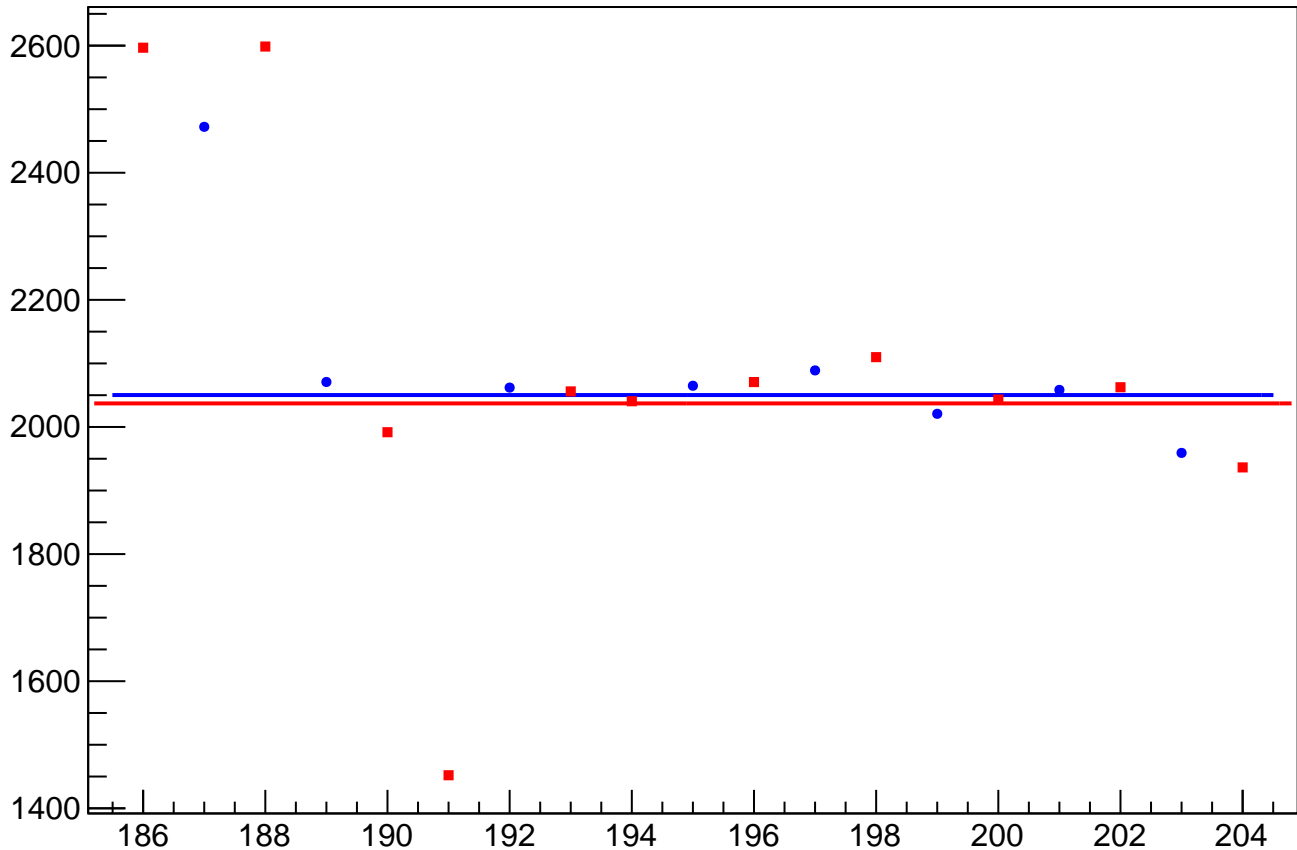
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-150.790 \pm 597.868$   $\chi^2/\text{NDF}$ : 17.4/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at1\_dd\_rms vs Slug



Right In: 2050.236 $\pm$ 0.642  $\chi^2$ /NDF: 13410.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

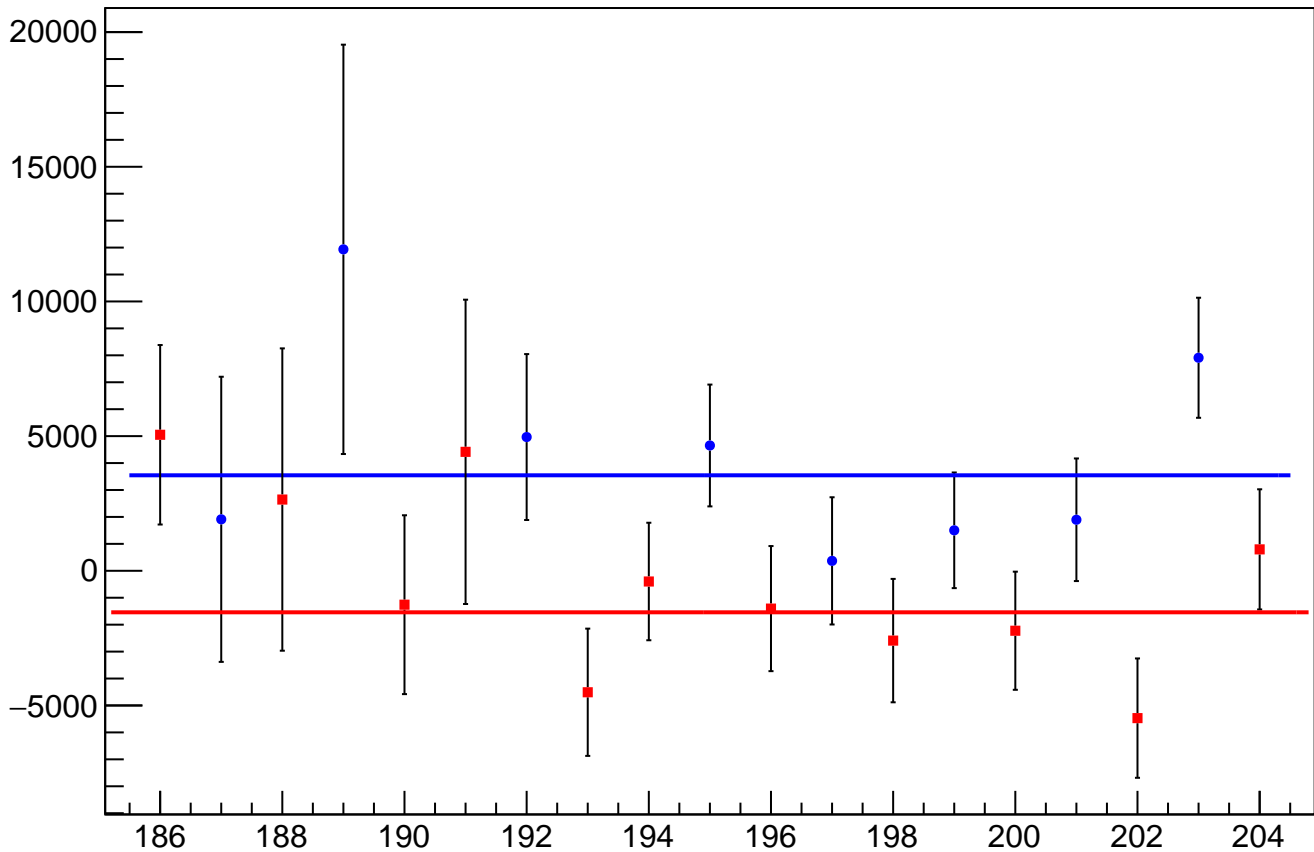
Right Out: 2037.074 $\pm$ 0.561  $\chi^2$ /NDF: 116088.9/10

All: 2042.774 $\pm$ 0.423  $\chi^2$ /NDF: 129736.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_at2\_avg\_mean vs Slug



Right In: 3545.633+/-934.666  $\chi^2$ /NDF: 8.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1541.166+/-785.238  $\chi^2$ /NDF: 12.0/10

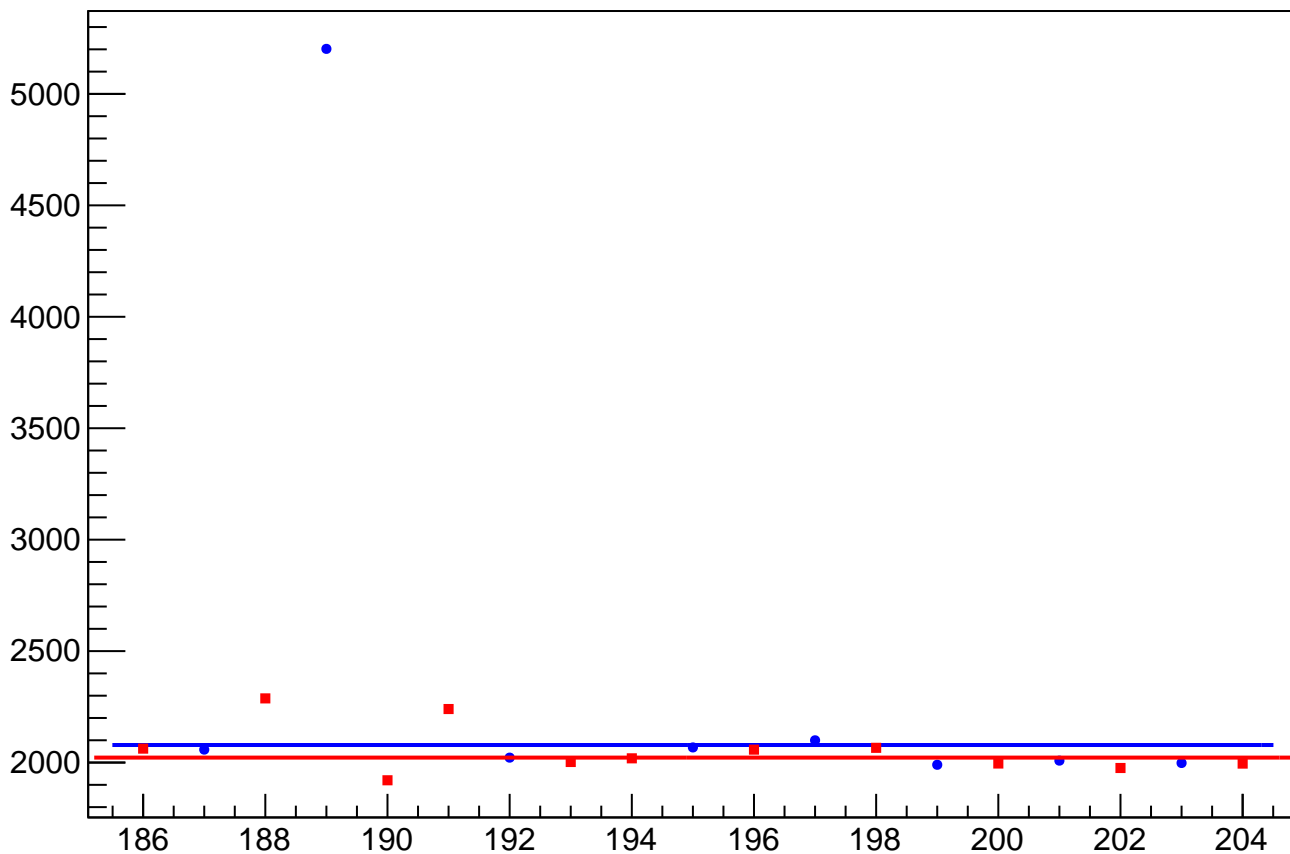
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 563.596+/-601.223  $\chi^2$ /NDF: 38.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_at2\_avg\_rms vs Slug



Right In: 2078.733+/-0.661  $\chi^2$ /NDF: 346731.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2022.243+/-0.555  $\chi^2$ /NDF: 12449.2/10

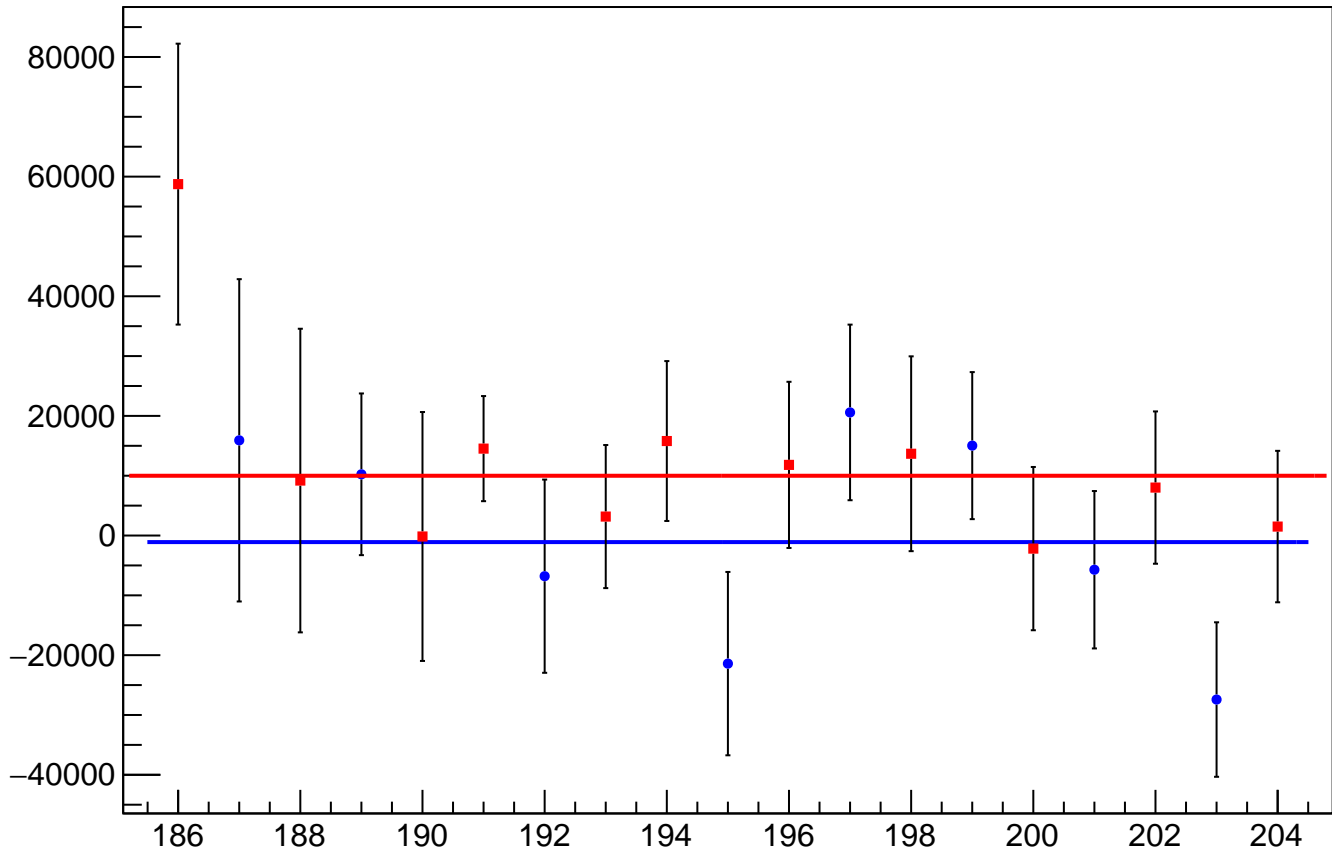
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 2045.617+/-0.425  $\chi^2$ /NDF: 363463.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at2\_avg\_correction\_mean vs Slug



Right In:  $-1096.873 \pm 5131.435$   $\chi^2/\text{NDF}: 11.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $9993.199 \pm 4154.077$   $\chi^2/\text{NDF}: 6.7/10$

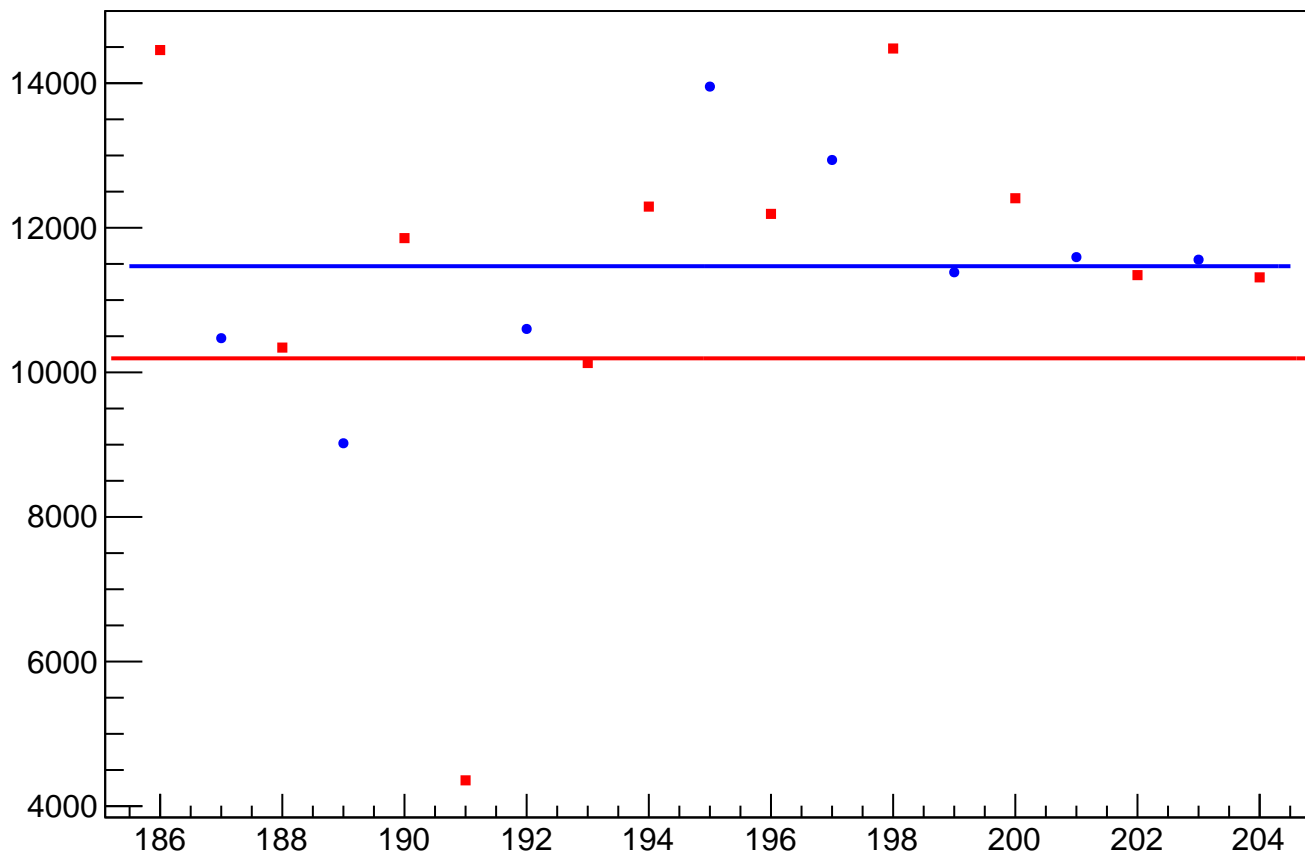
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $5602.670 \pm 3228.717$   $\chi^2/\text{NDF}: 20.7/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_at2\_avg\_correction\_rms vs Slug



Right In: 11468.581 $\pm$ 3.628  $\chi^2$ /NDF: 147137.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 10194.061 $\pm$ 2.937  $\chi^2$ /NDF: 1275423.7/10

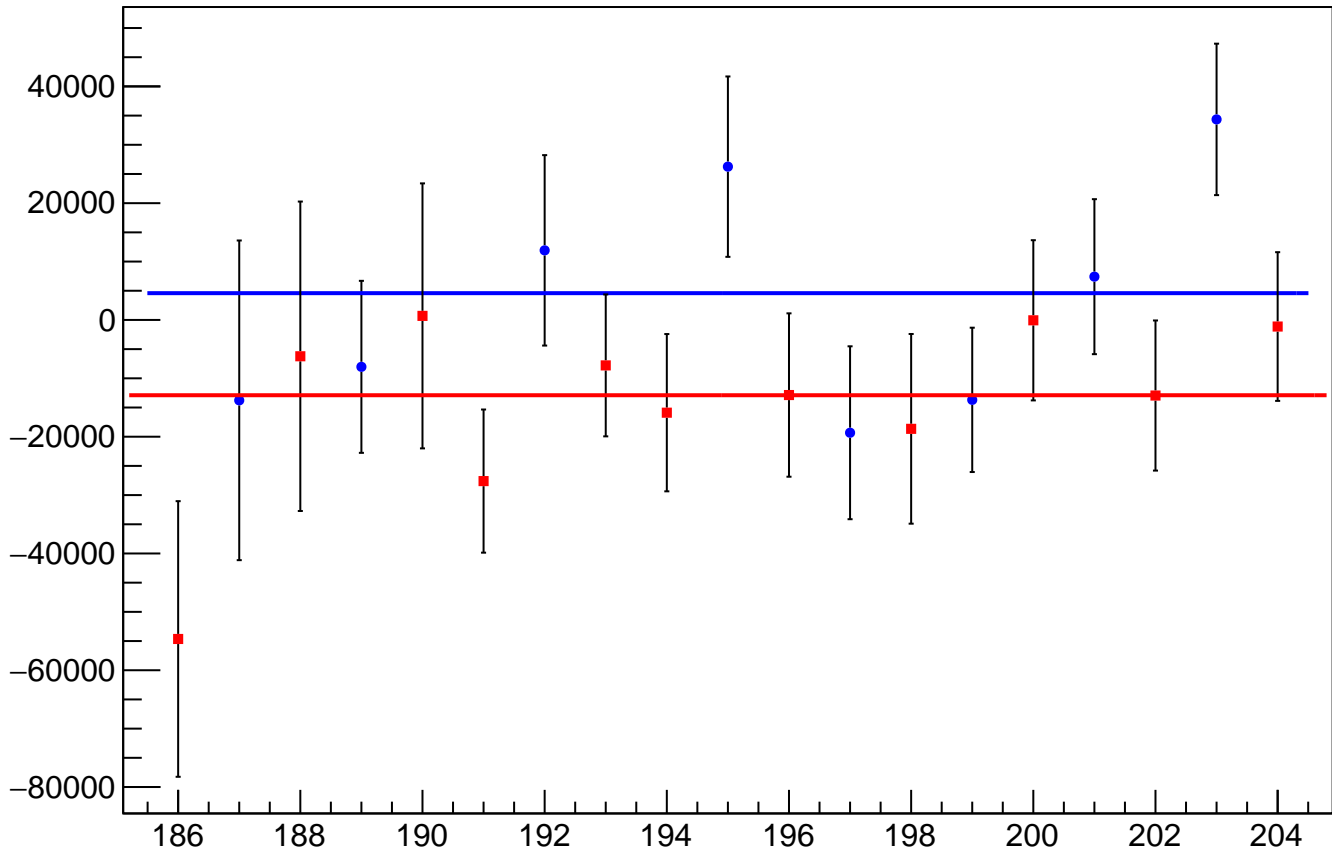
All: 10698.640 $\pm$ 2.283  $\chi^2$ /NDF: 1497095.8/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0



# asym\_at2\_avg\_mean vs Slug



Right In: 4586.782+/-5225.759  $\chi^2$ /NDF: 13.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

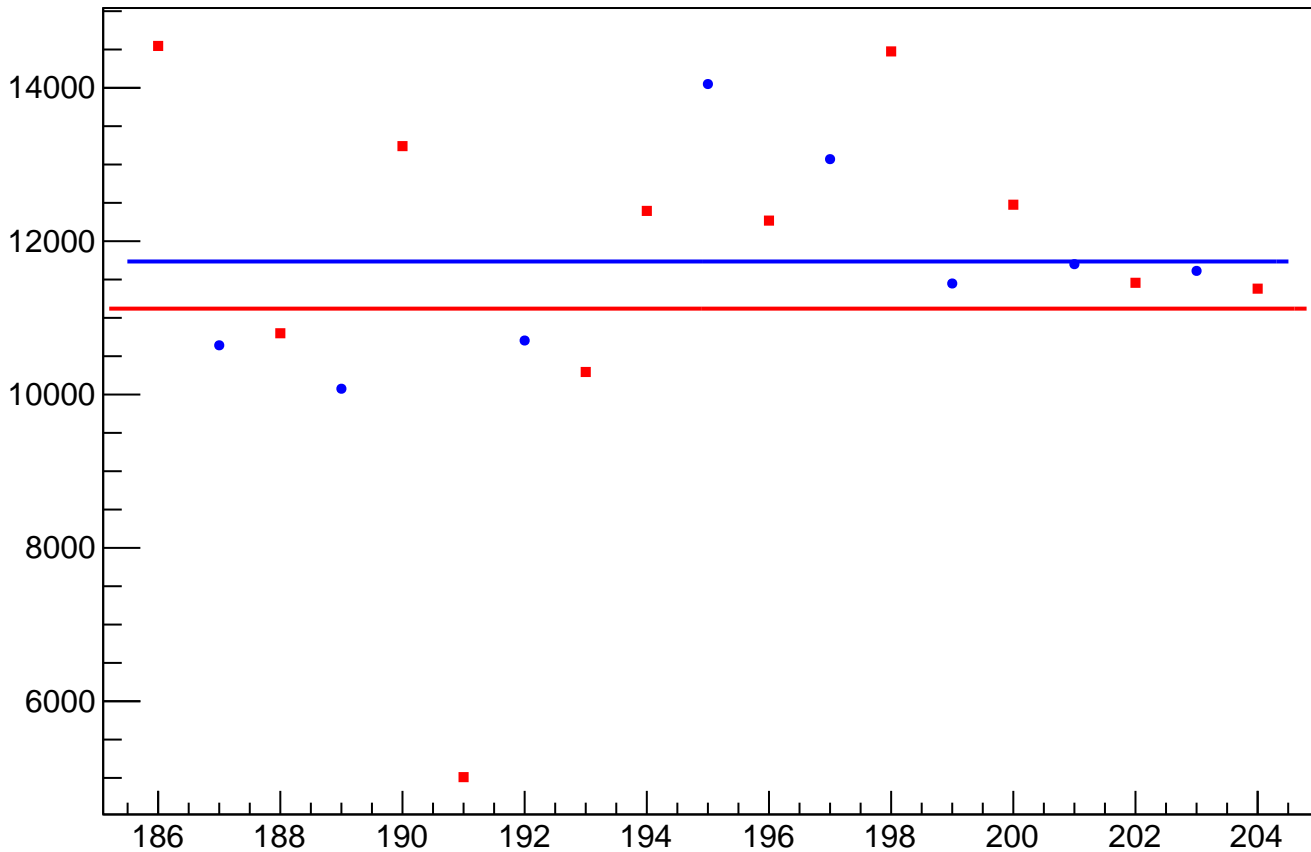
Right Out: -12895.740+/-4449.018  $\chi^2$ /NDF: 7.1/10

All: -5549.076+/-3387.602  $\chi^2$ /NDF: 27.0/18

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at2\_avg\_rms vs Slug



Right In: 11735.351 $\pm$ 3.695  $\chi^2$ /NDF: 98973.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

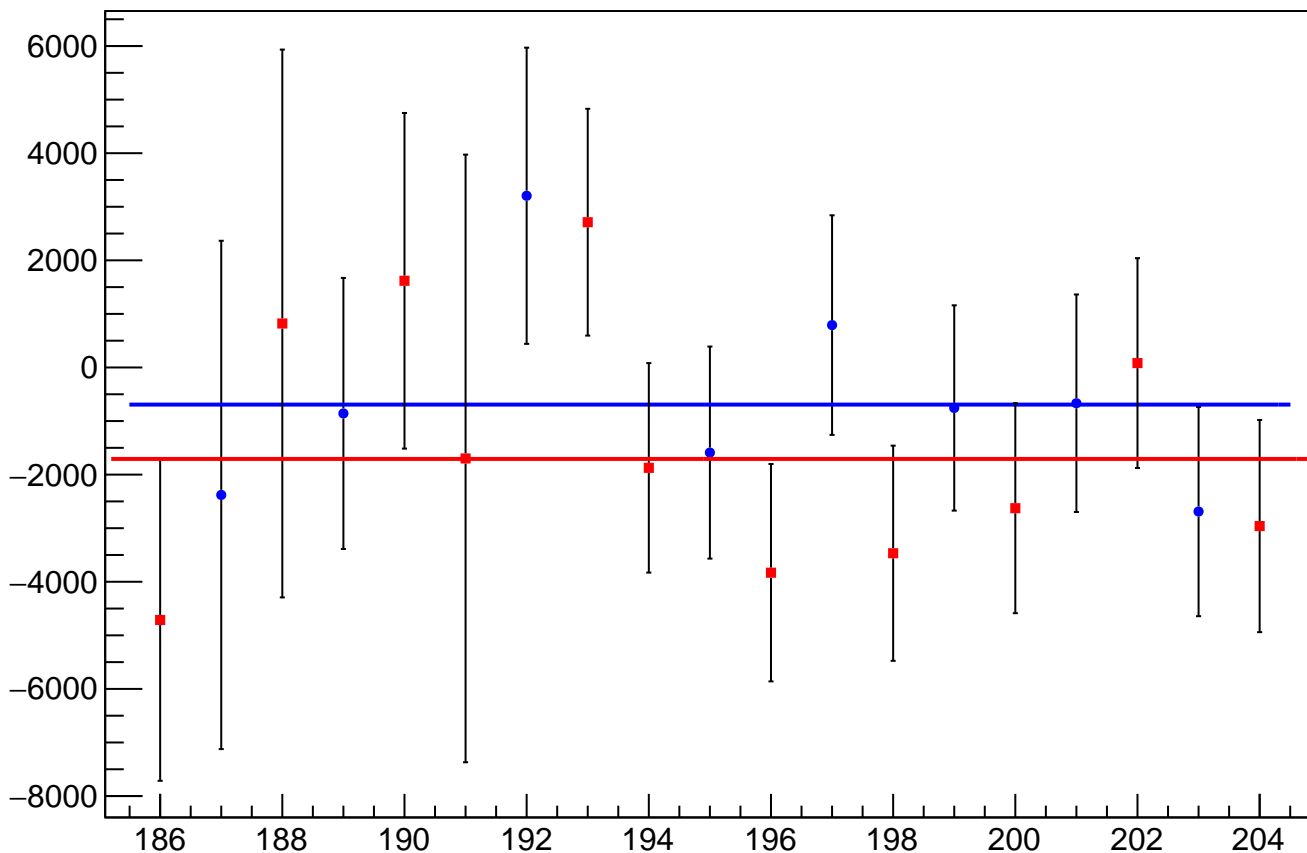
Right Out: 11120.469 $\pm$ 3.146  $\chi^2$ /NDF: 704355.1/10

All: 11378.858 $\pm$ 2.395  $\chi^2$ /NDF: 819381.8/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_at2\_dd\_mean vs Slug



Right In:  $-692.958 \pm 790.071$   $\chi^2/\text{NDF}$ : 3.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1707.236 \pm 701.201$   $\chi^2/\text{NDF}$ : 10.1/10

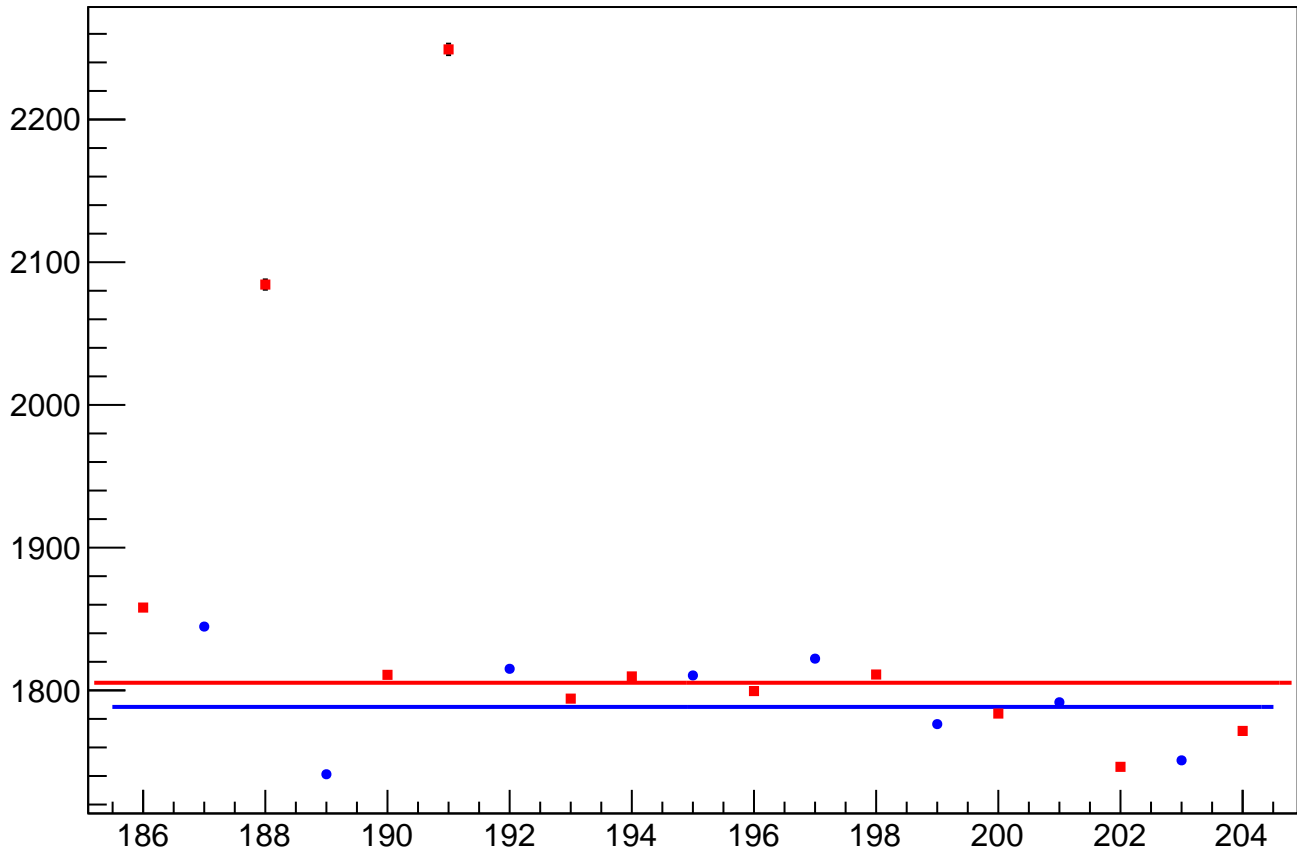
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1260.327 \pm 524.442$   $\chi^2/\text{NDF}$ : 14.9/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_at2\_dd\_rms vs Slug



Right In: 1788.404 $\pm$ 0.559  $\chi^2$ /NDF: 2775.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1805.327 $\pm$ 0.496  $\chi^2$ /NDF: 21556.4/10

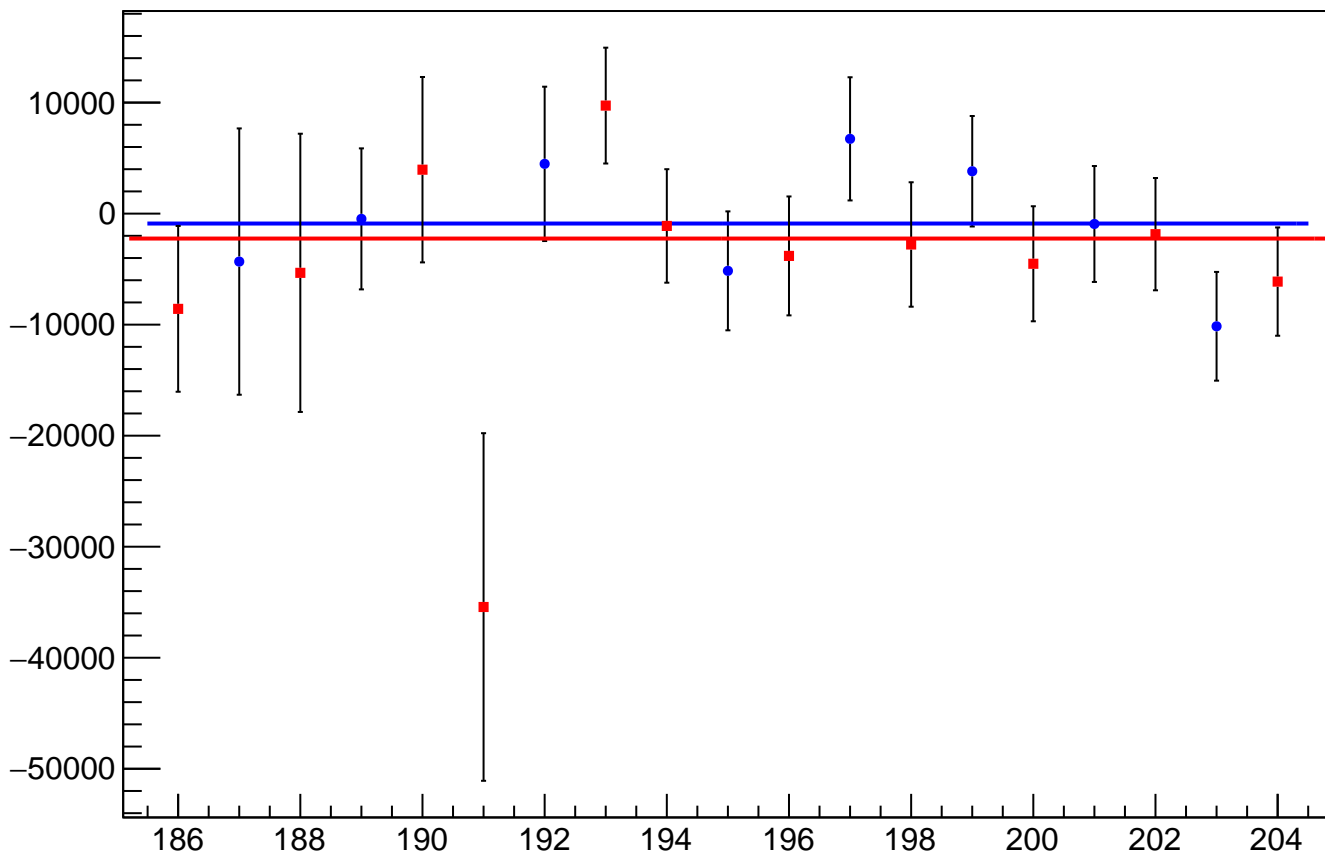
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1797.871 $\pm$ 0.371  $\chi^2$ /NDF: 24845.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at2\_dd\_correction\_mean vs Slug



Right In:  $-893.040 \pm 2047.323$   $\chi^2/\text{NDF}: 7.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-2245.932 \pm 1817.002$   $\chi^2/\text{NDF}: 12.1/10$

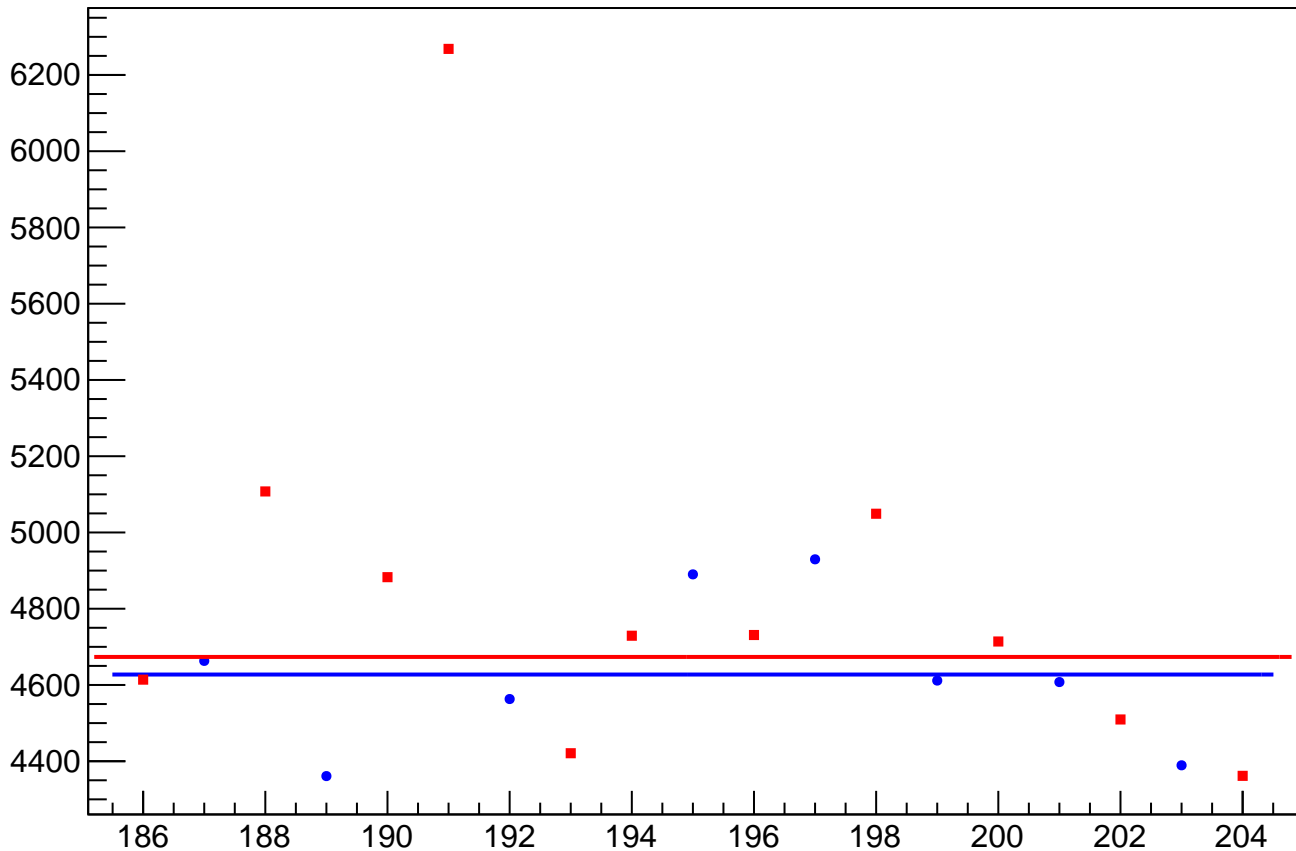
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1649.835 \pm 1358.980$   $\chi^2/\text{NDF}: 20.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_at2\_dd\_correction\_rms vs Slug



Right In: 4627.375+/-1.448  $\chi^2$ /NDF: 19230.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4673.541+/-1.285  $\chi^2$ /NDF: 49103.7/10

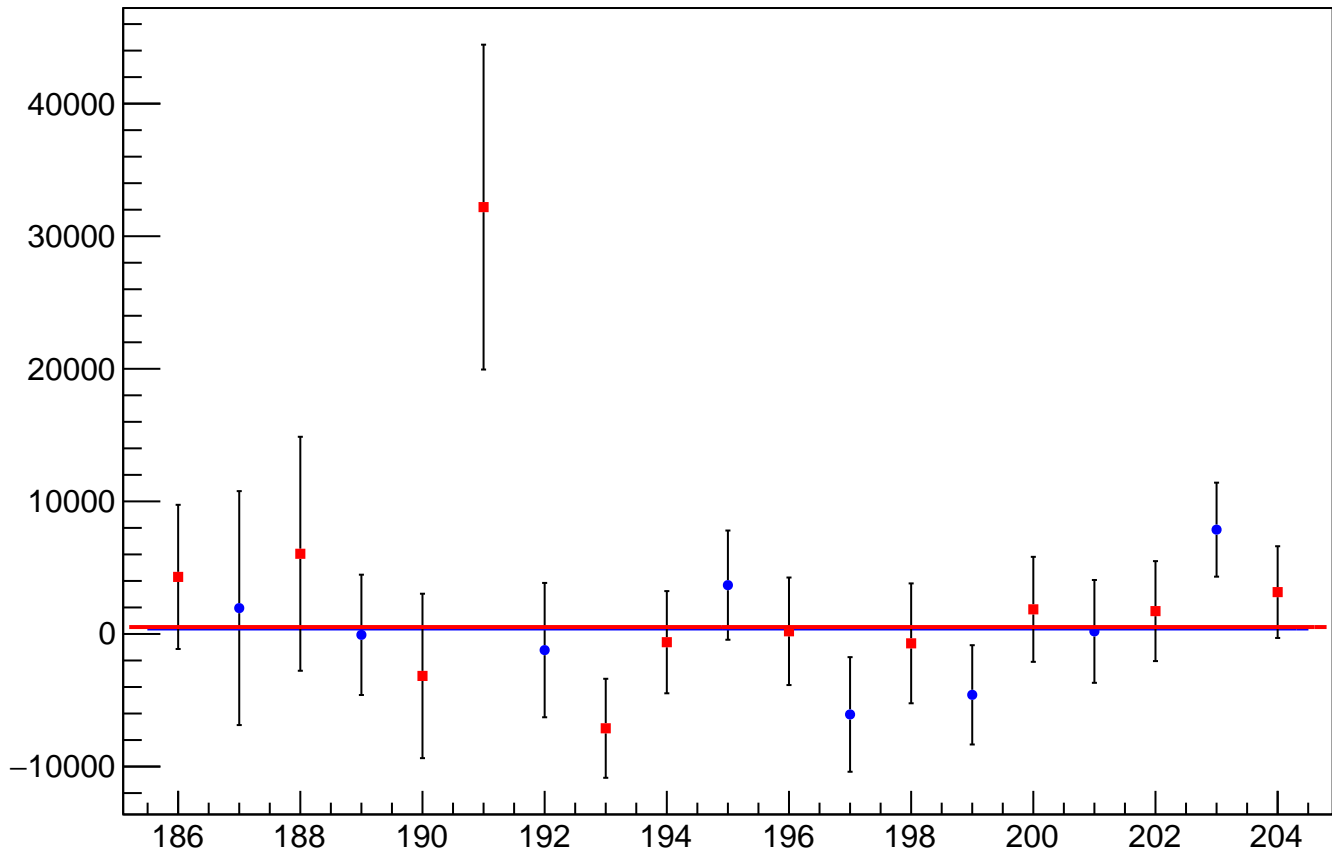
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 4653.200+/-0.961  $\chi^2$ /NDF: 68902.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_at2\_dd\_mean vs Slug



Right In: 414.031+/-1524.589  $\chi^2/\text{NDF}$ : 9.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 521.957+/-1353.567  $\chi^2/\text{NDF}$ : 13.1/10

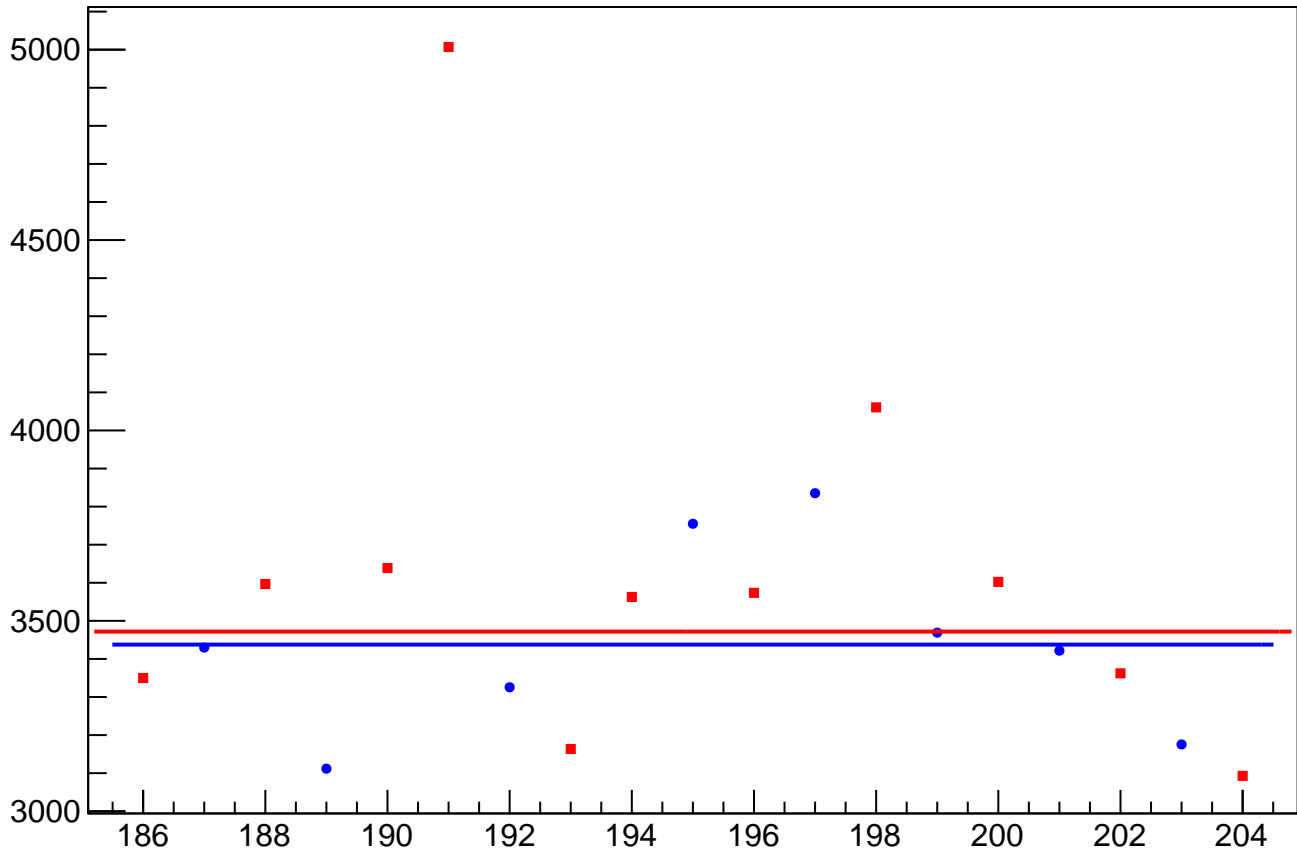
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 474.384+/-1012.203  $\chi^2/\text{NDF}$ : 22.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_at2\_dd\_rms vs Slug



Right In:  $3437.642 \pm 1.078$   $\chi^2/\text{NDF}: 51198.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $3471.815 \pm 0.957$   $\chi^2/\text{NDF}: 112062.4/10$

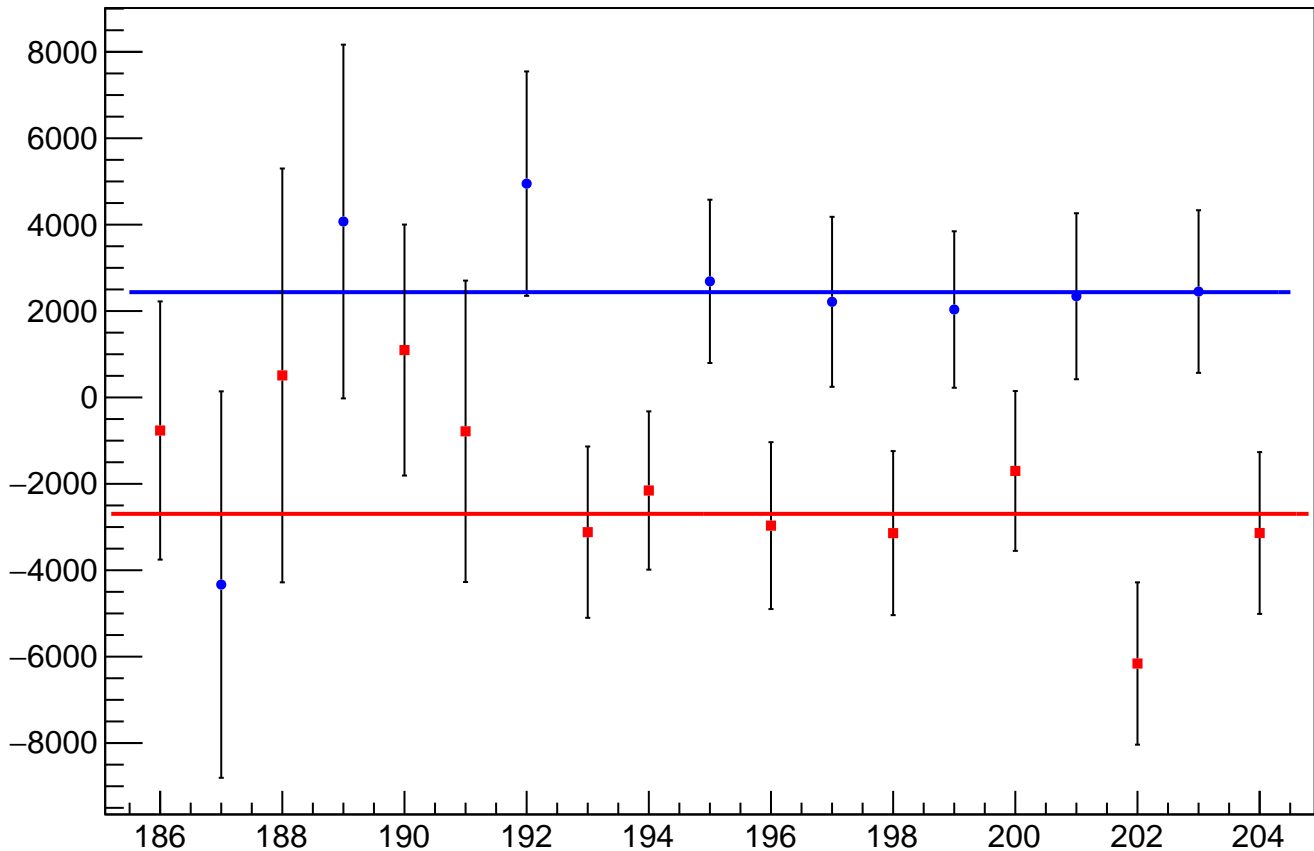
All:  $3456.752 \pm 0.716$   $\chi^2/\text{NDF}: 163823.1/18$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# dit\_asym\_atl\_avg\_mean vs Slug



Right In: 2437.234+/-777.484  $\chi^2$ /NDF: 3.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2694.411+/-657.326  $\chi^2$ /NDF: 6.8/10

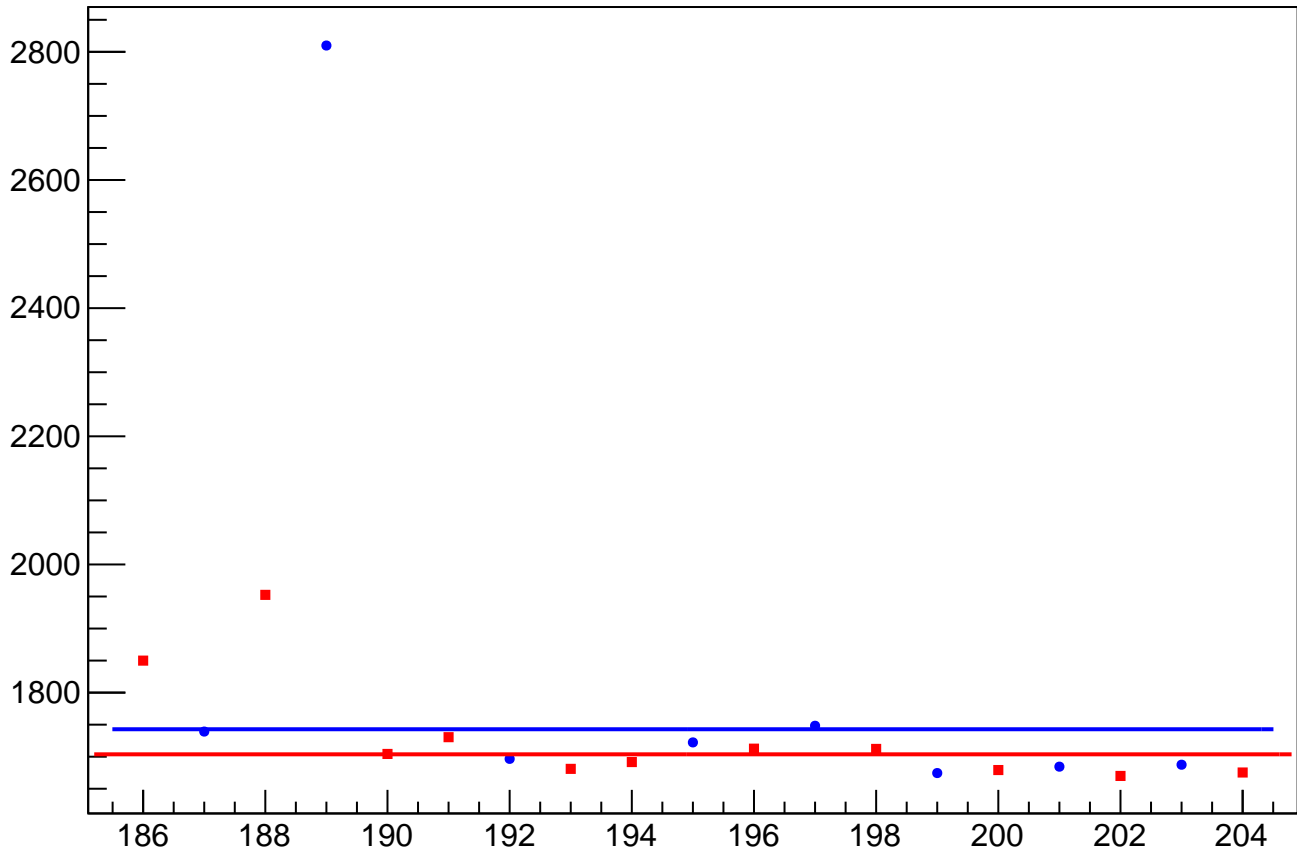
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -555.345+/-501.967  $\chi^2$ /NDF: 35.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl\_avg\_rms vs Slug



Right In: 1742.838 $\pm$ 0.550  $\chi^2$ /NDF: 143177.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1703.710 $\pm$ 0.465  $\chi^2$ /NDF: 12190.6/10

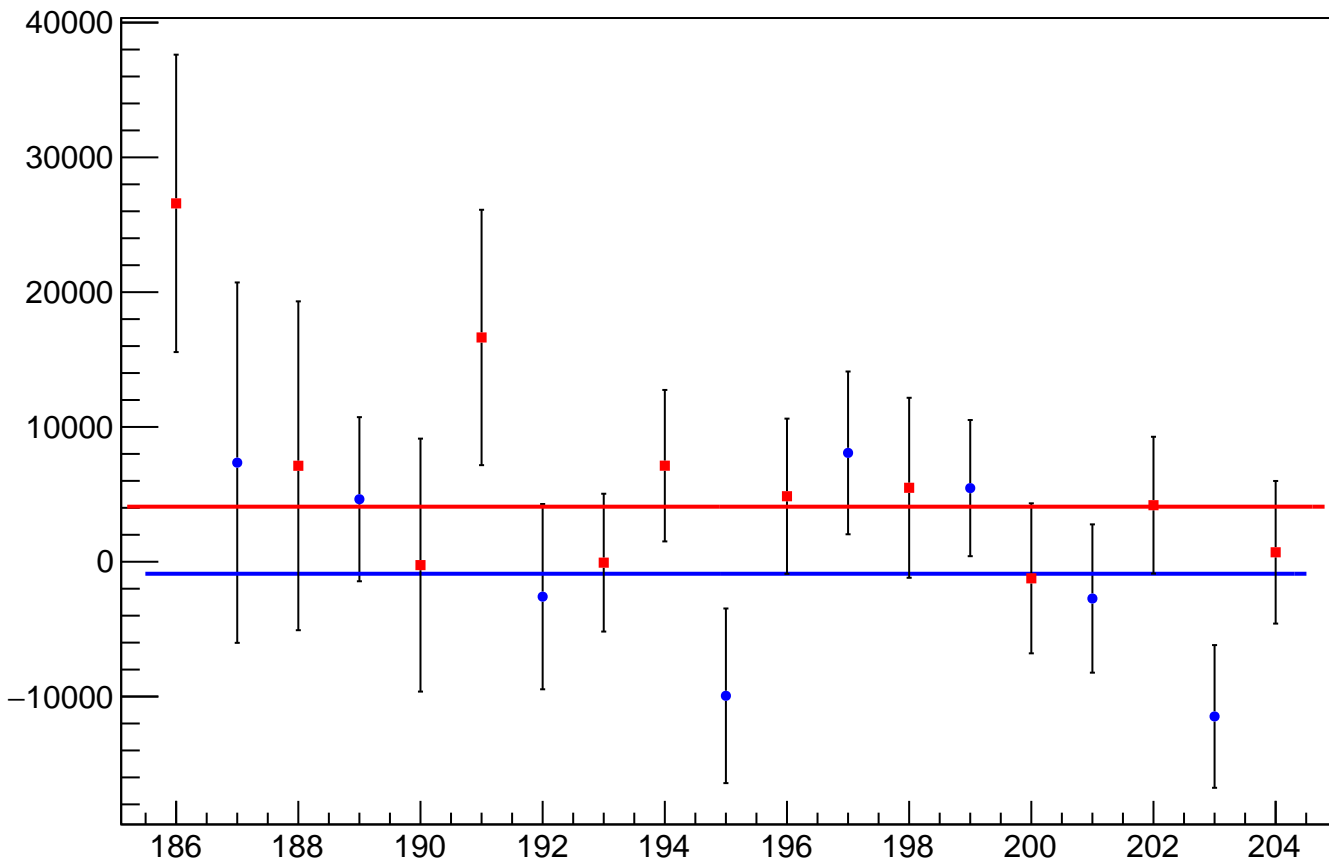
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1720.020 $\pm$ 0.355  $\chi^2$ /NDF: 158322.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_avg\_correction\_mean vs Slug



Right In: -890.537+/-2167.186  $\chi^2/\text{NDF}$ : 11.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4085.115+/-1935.976  $\chi^2/\text{NDF}$ : 8.5/10

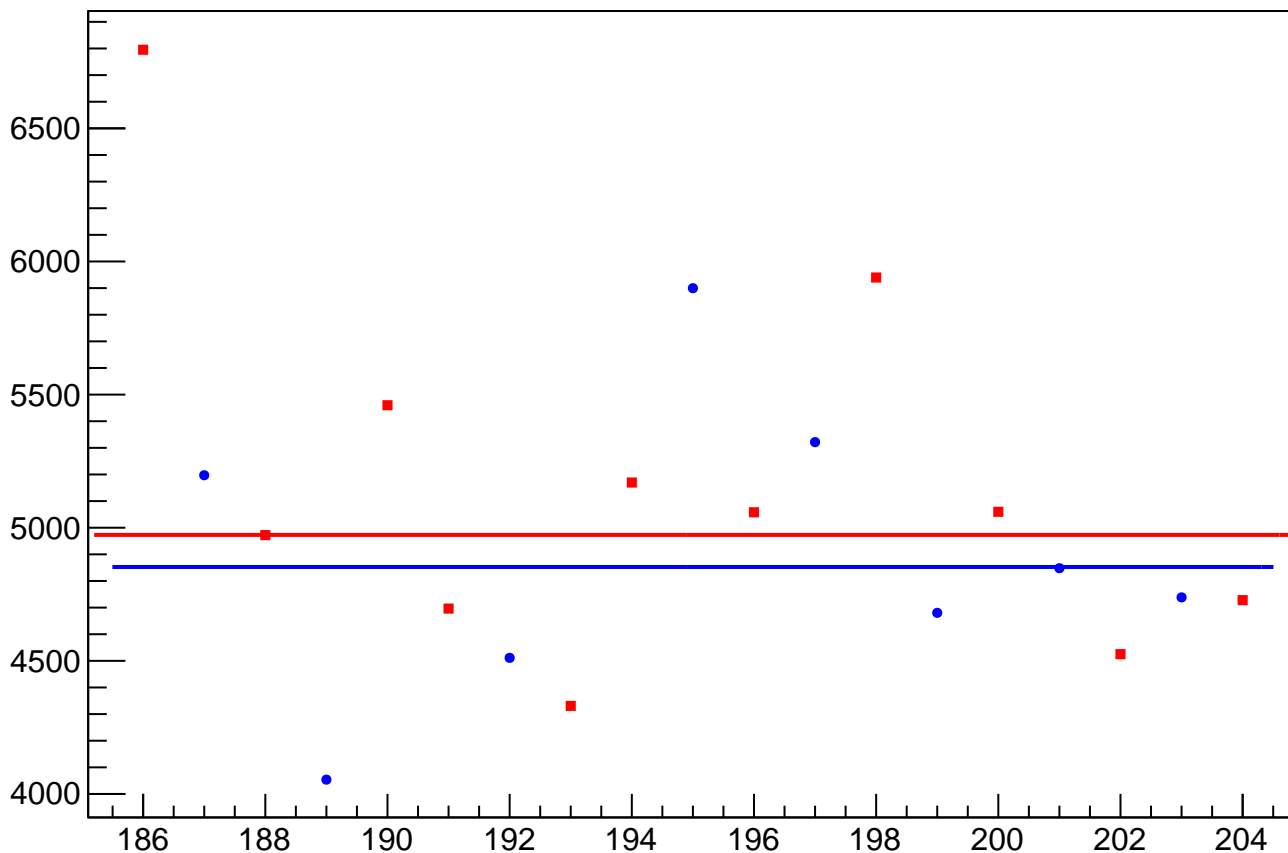
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1876.775+/-1443.790  $\chi^2/\text{NDF}$ : 22.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_correction\_rms vs Slug



Right In: 4852.529+/-1.532  $\chi^2$ /NDF: 108276.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4973.020+/-1.369  $\chi^2$ /NDF: 158386.8/10

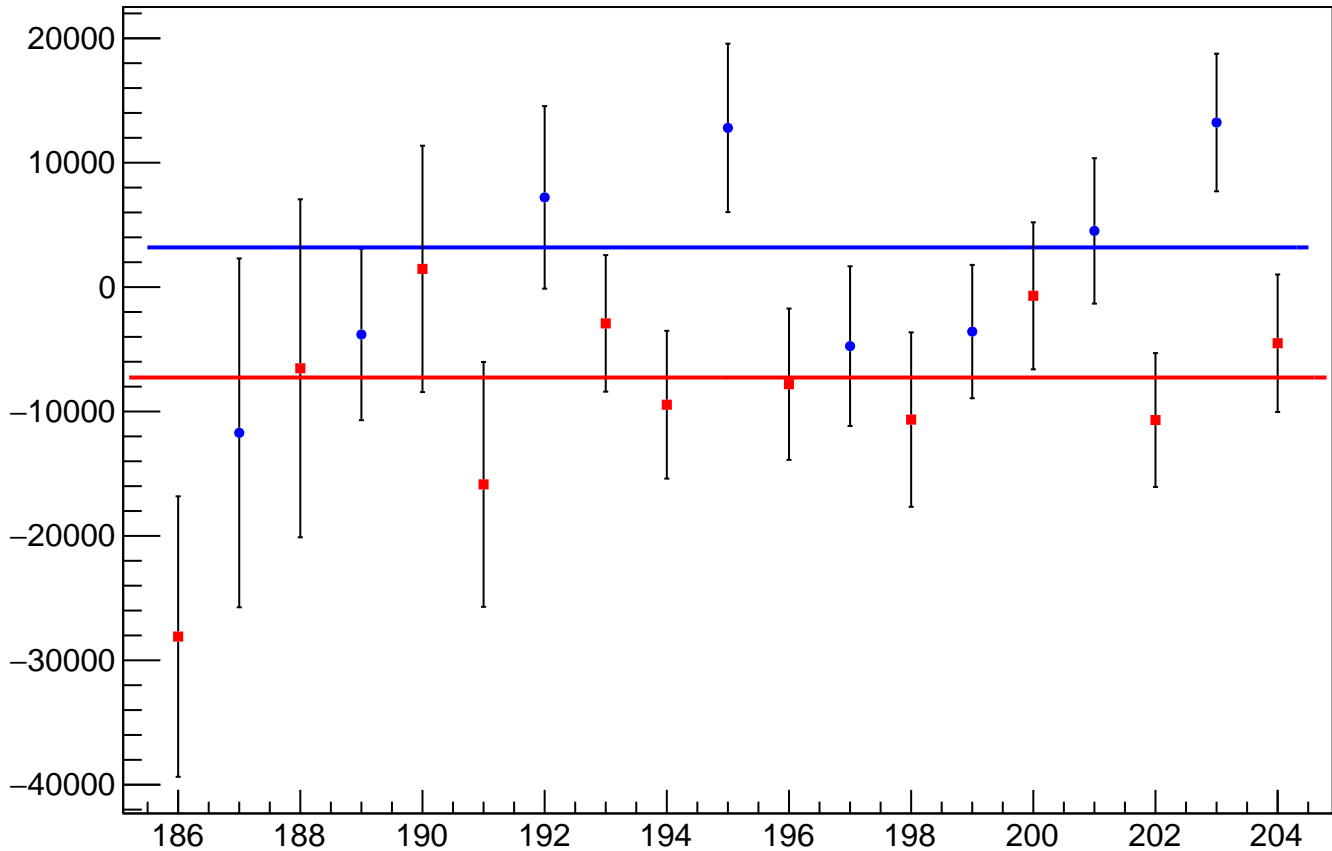
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 4919.543+/-1.021  $\chi^2$ /NDF: 270101.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_avg\_mean vs Slug



Right In: 3190.135+/-2308.874  $\chi^2$ /NDF: 10.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7266.931+/-2046.830  $\chi^2$ /NDF: 7.8/10

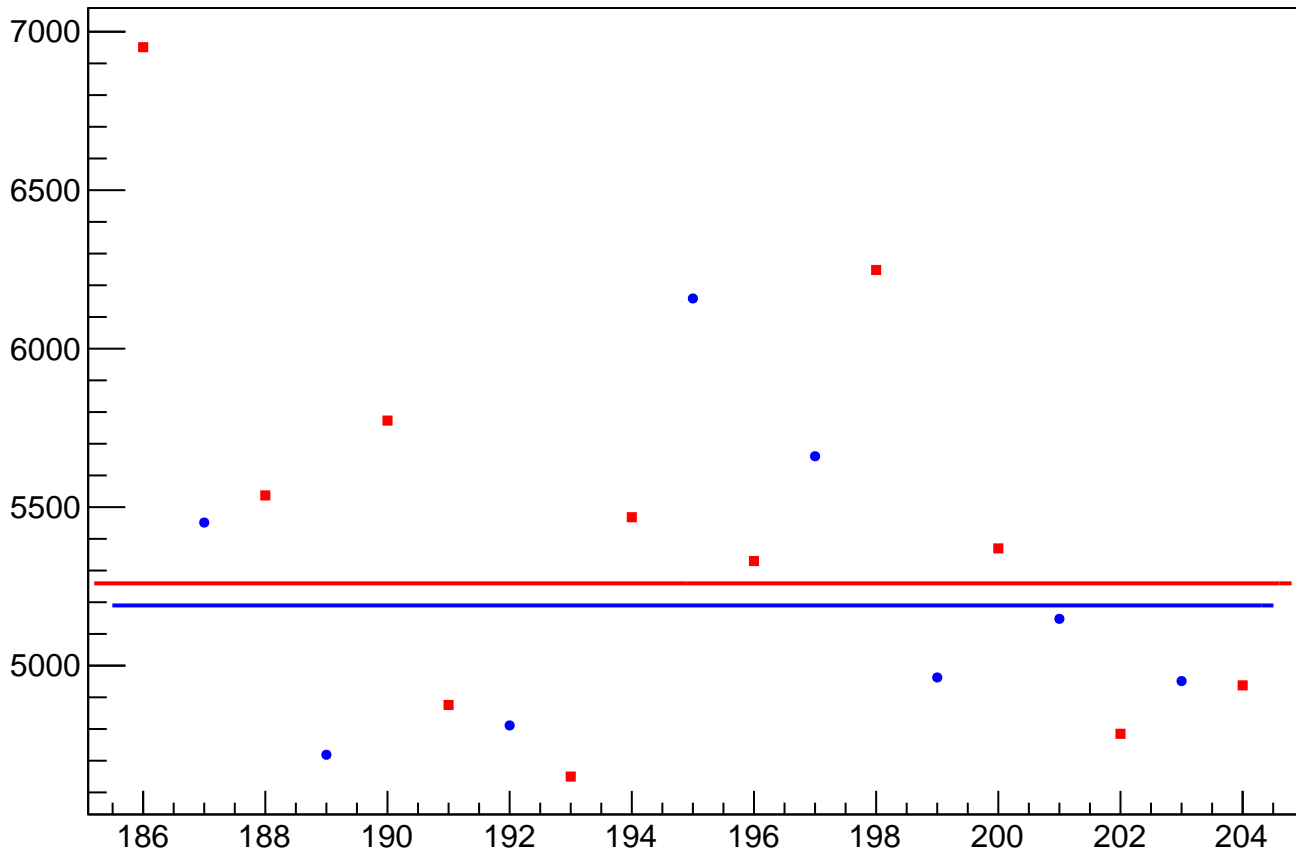
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -2665.238+/-1531.631  $\chi^2$ /NDF: 30.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_avg\_rms vs Slug



Right In: 5189.848 $\pm$ 1.633  $\chi^2$ /NDF: 74483.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

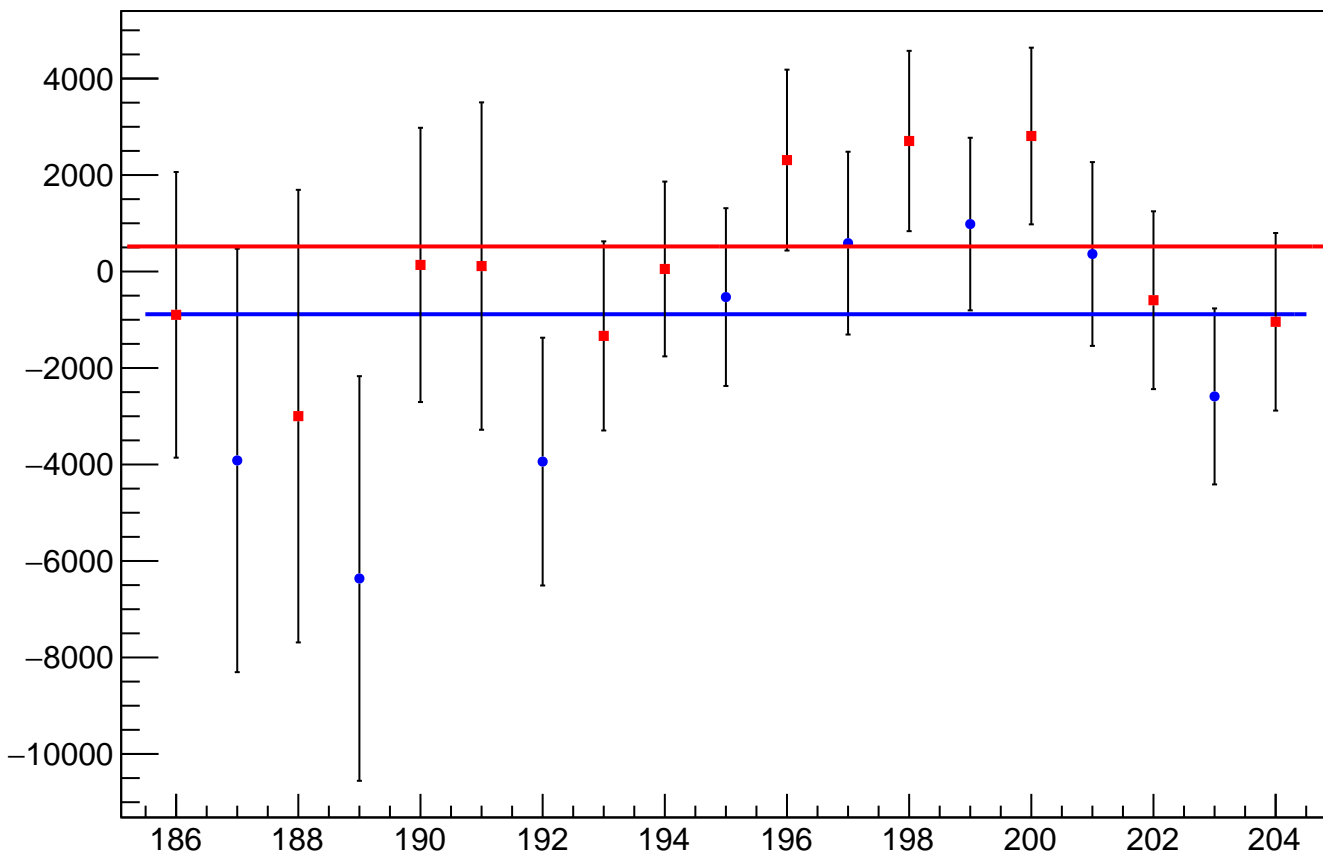
Right Out: 5259.547 $\pm$ 1.447  $\chi^2$ /NDF: 144494.8/10

All: 5228.875 $\pm$ 1.083  $\chi^2$ /NDF: 219998.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl\_dd\_mean vs Slug



Right In:  $-885.421 \pm 762.009$   $\chi^2/\text{NDF}$ : 6.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $519.660 \pm 646.319$   $\chi^2/\text{NDF}$ : 6.7/10

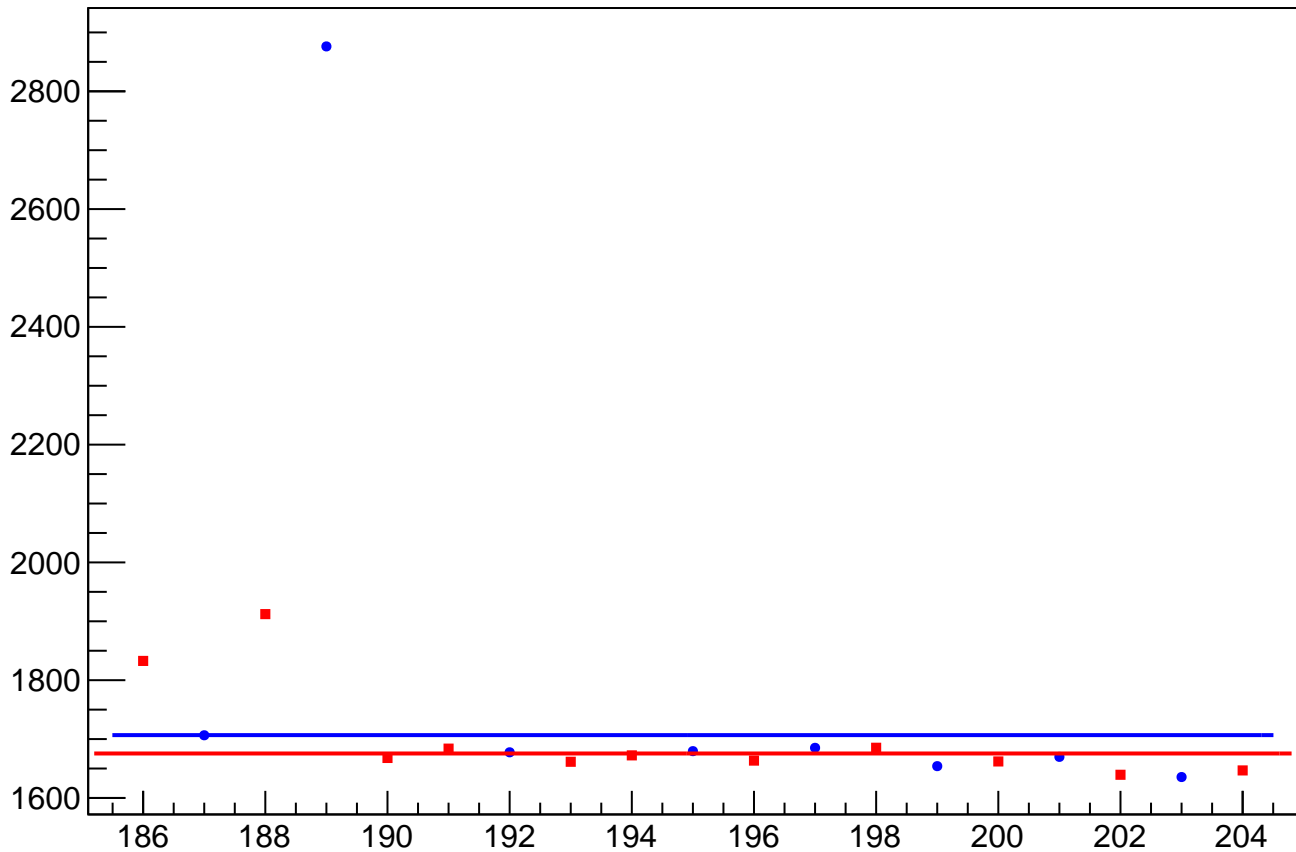
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-68.231 \pm 492.899$   $\chi^2/\text{NDF}$ : 15.3/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atl\_dd\_rms vs Slug



Right In: 1706.719+/-0.539  $\chi^2/\text{NDF}$ : 162034.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1675.531+/-0.457  $\chi^2/\text{NDF}$ : 12368.4/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

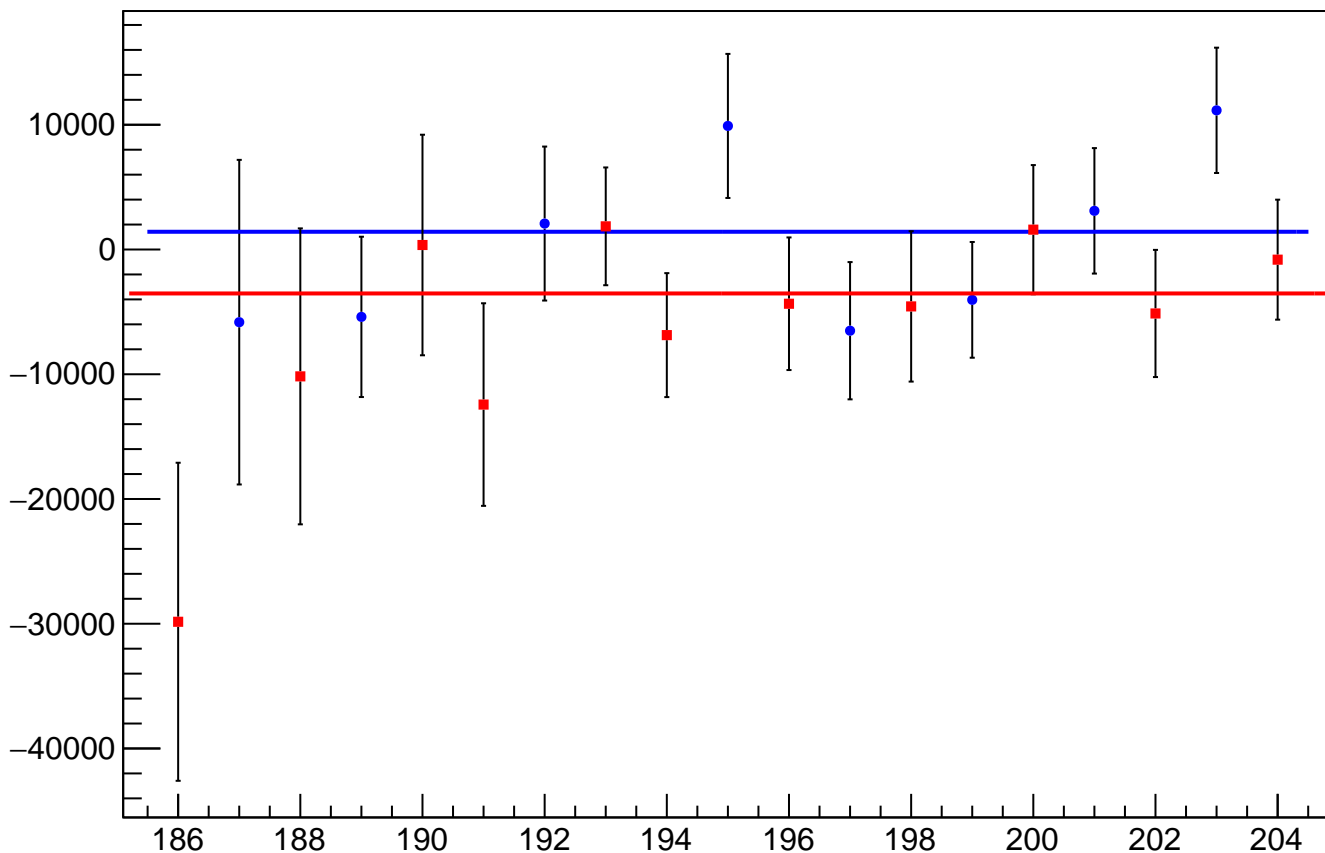
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1688.580+/-0.349  $\chi^2/\text{NDF}$ : 176351.5/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_atl\_dd\_correction\_mean vs Slug



Right In: 1422.259+/-2020.127  $\chi^2$ /NDF: 10.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -3523.337+/-1800.244  $\chi^2$ /NDF: 9.2/10

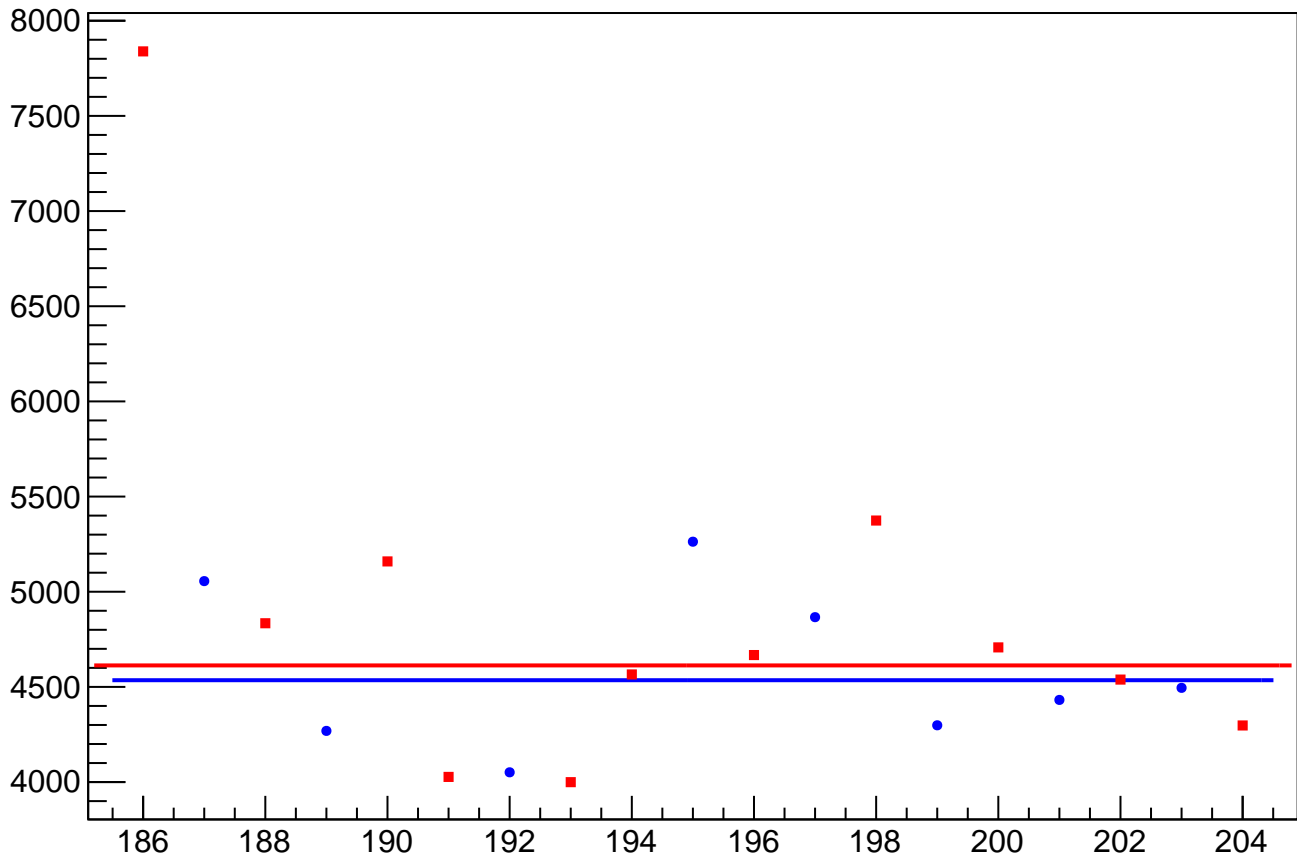
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -1334.246+/-1344.006  $\chi^2$ /NDF: 23.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_correction\_rms vs Slug



Right In: 4535.192+/-1.428  $\chi^2$ /NDF: 64131.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4612.903+/-1.273  $\chi^2$ /NDF: 222587.2/10

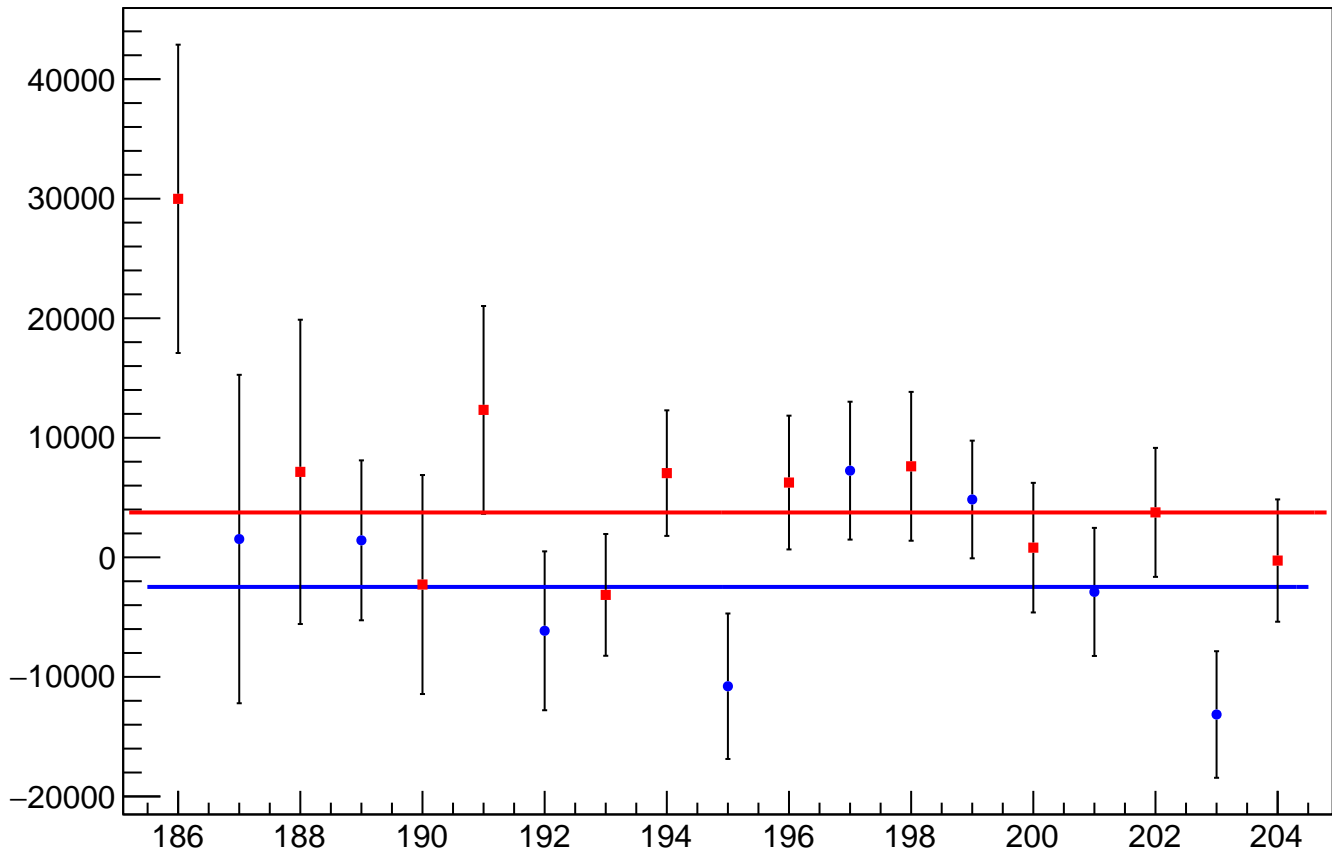
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 4578.505+/-0.950  $\chi^2$ /NDF: 288368.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_mean vs Slug



Right In: -2474.493+/-2136.011  $\chi^2$ /NDF: 11.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3753.289+/-1901.766  $\chi^2$ /NDF: 9.3/10

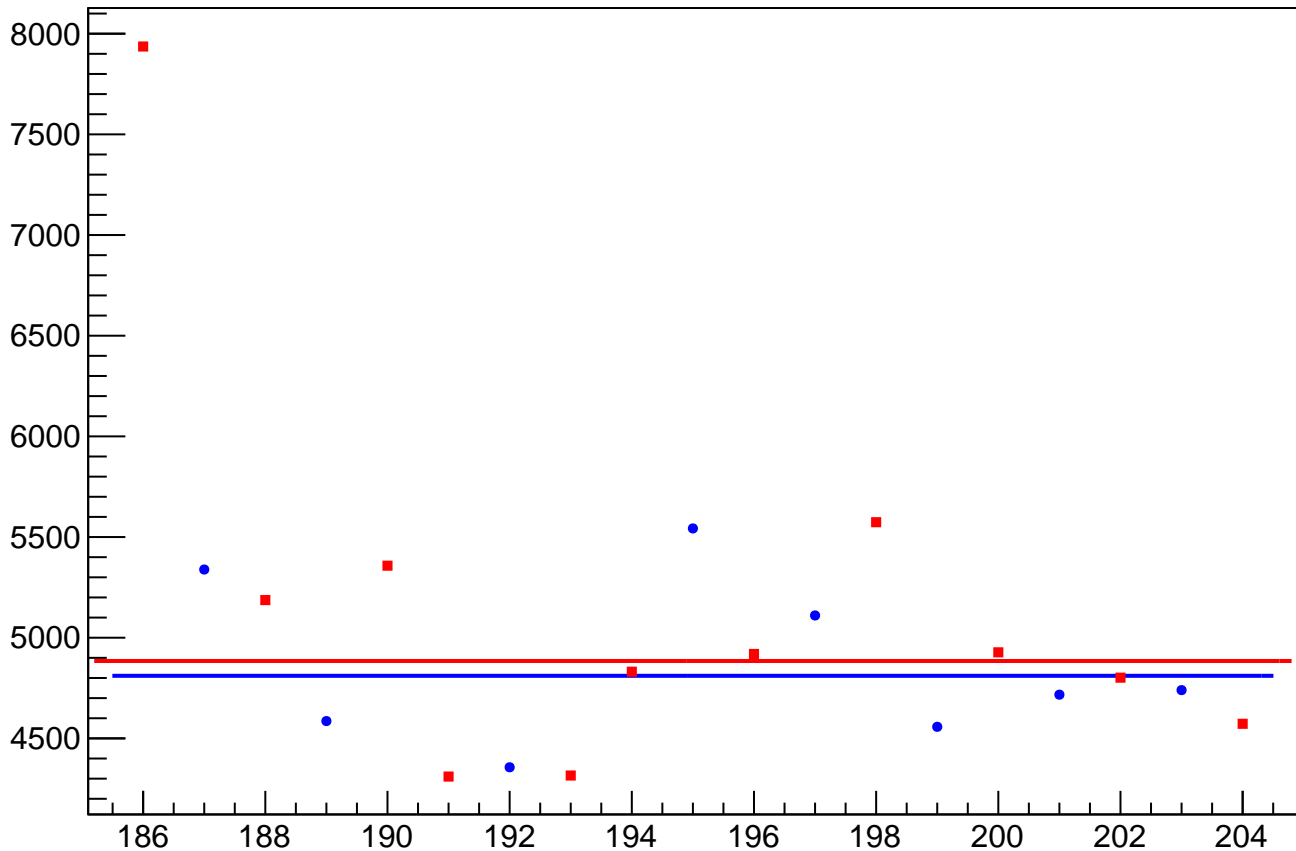
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 999.481+/-1420.377  $\chi^2$ /NDF: 25.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_rms vs Slug



Right In: 4810.845+/-1.510  $\chi^2/\text{NDF}$ : 55166.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4884.402+/-1.345  $\chi^2/\text{NDF}$ : 185004.7/10

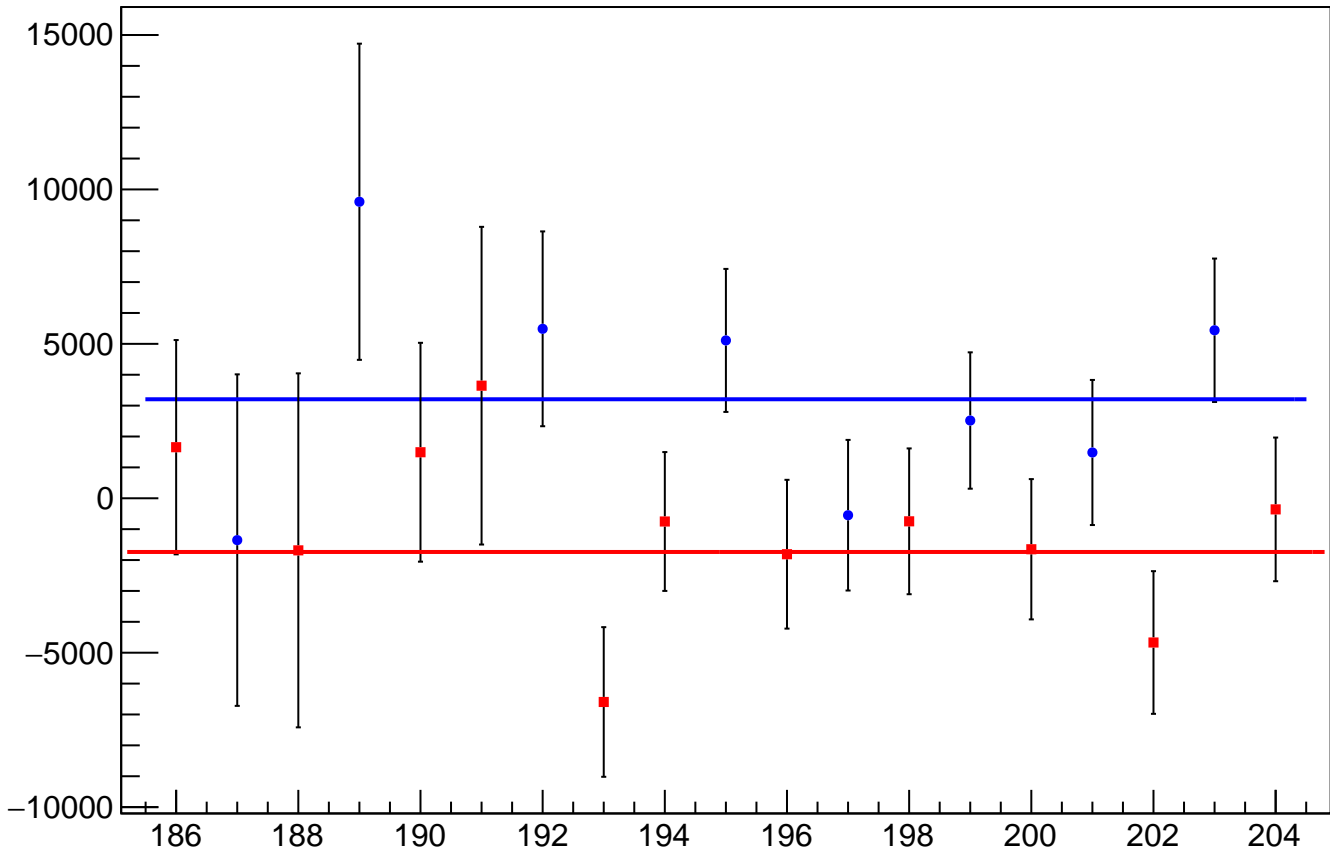
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4851.877+/-1.004  $\chi^2/\text{NDF}$ : 241494.1/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atr\_avg\_mean vs Slug



Right In: 3205.895+/-953.418  $\chi^2$ /NDF: 7.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1738.444+/-811.843  $\chi^2$ /NDF: 9.2/10

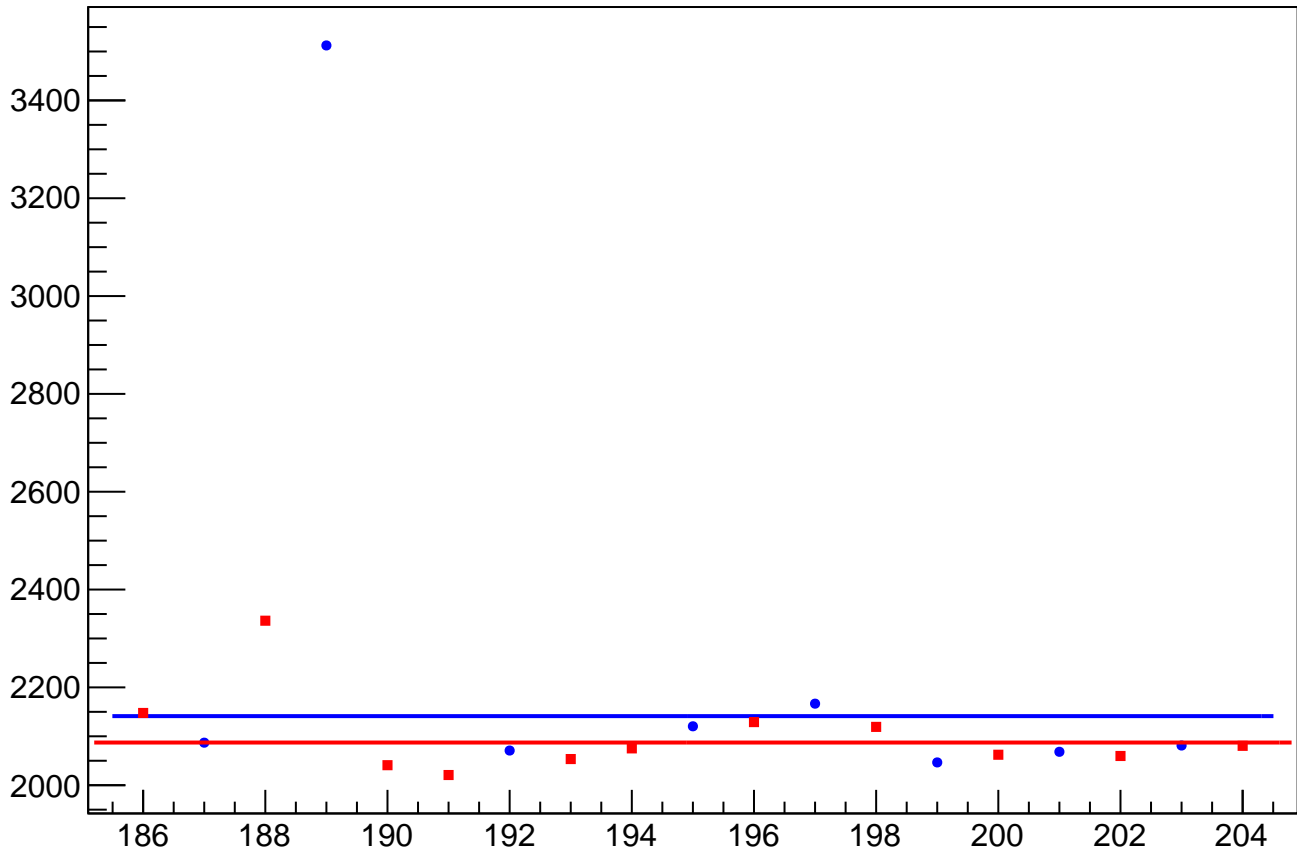
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 339.720+/-618.115  $\chi^2$ /NDF: 32.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atr\_avg\_rms vs Slug



Right In: 2141.235 $\pm$ 0.674  $\chi^2$ /NDF: 152039.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2087.244 $\pm$ 0.574  $\chi^2$ /NDF: 7015.7/10

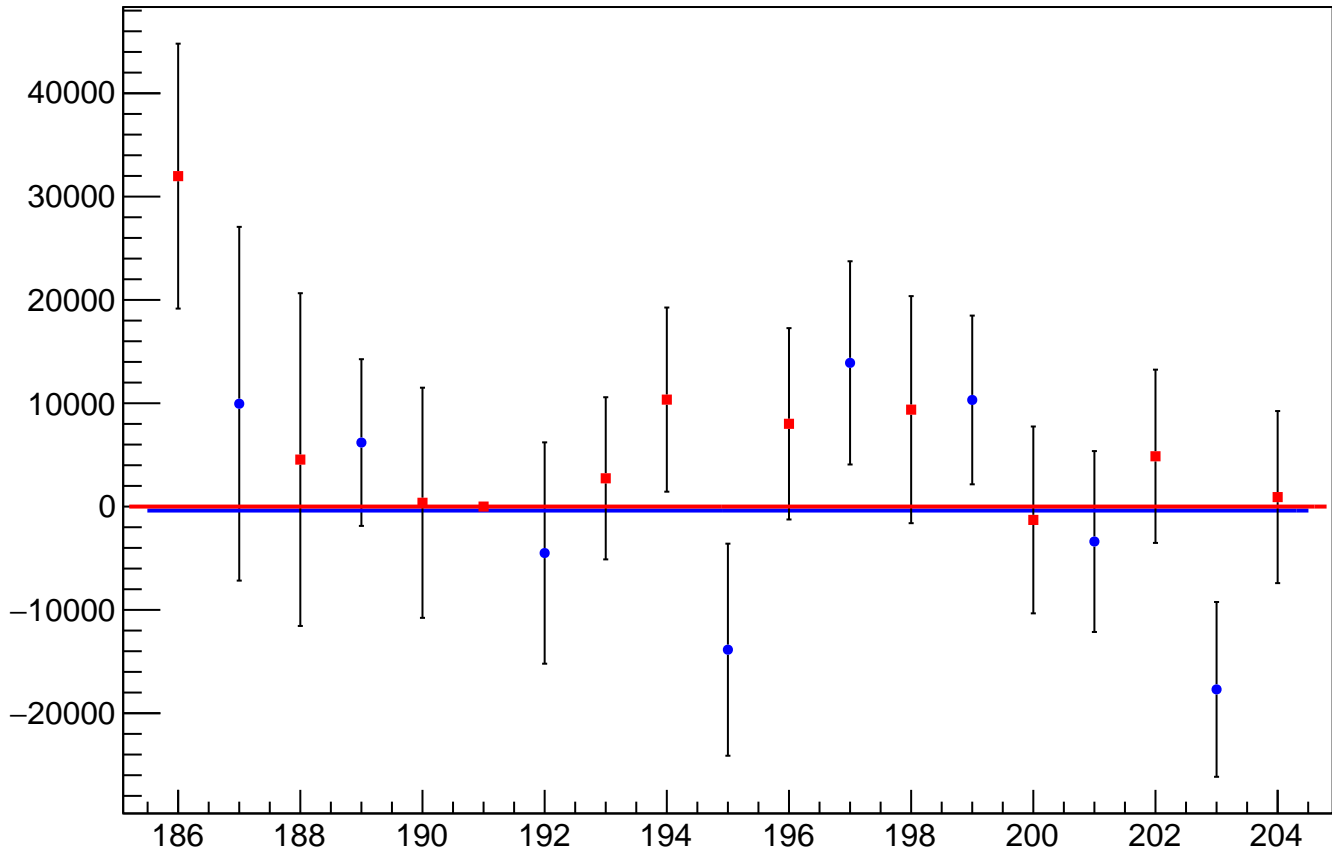
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2109.937 $\pm$ 0.437  $\chi^2$ /NDF: 162773.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr\_avg\_correction\_mean vs Slug



Right In: -384.767+/-3345.438  $\chi^2/\text{NDF}$ : 11.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.024+/-37.028  $\chi^2/\text{NDF}$ : 9.6/10

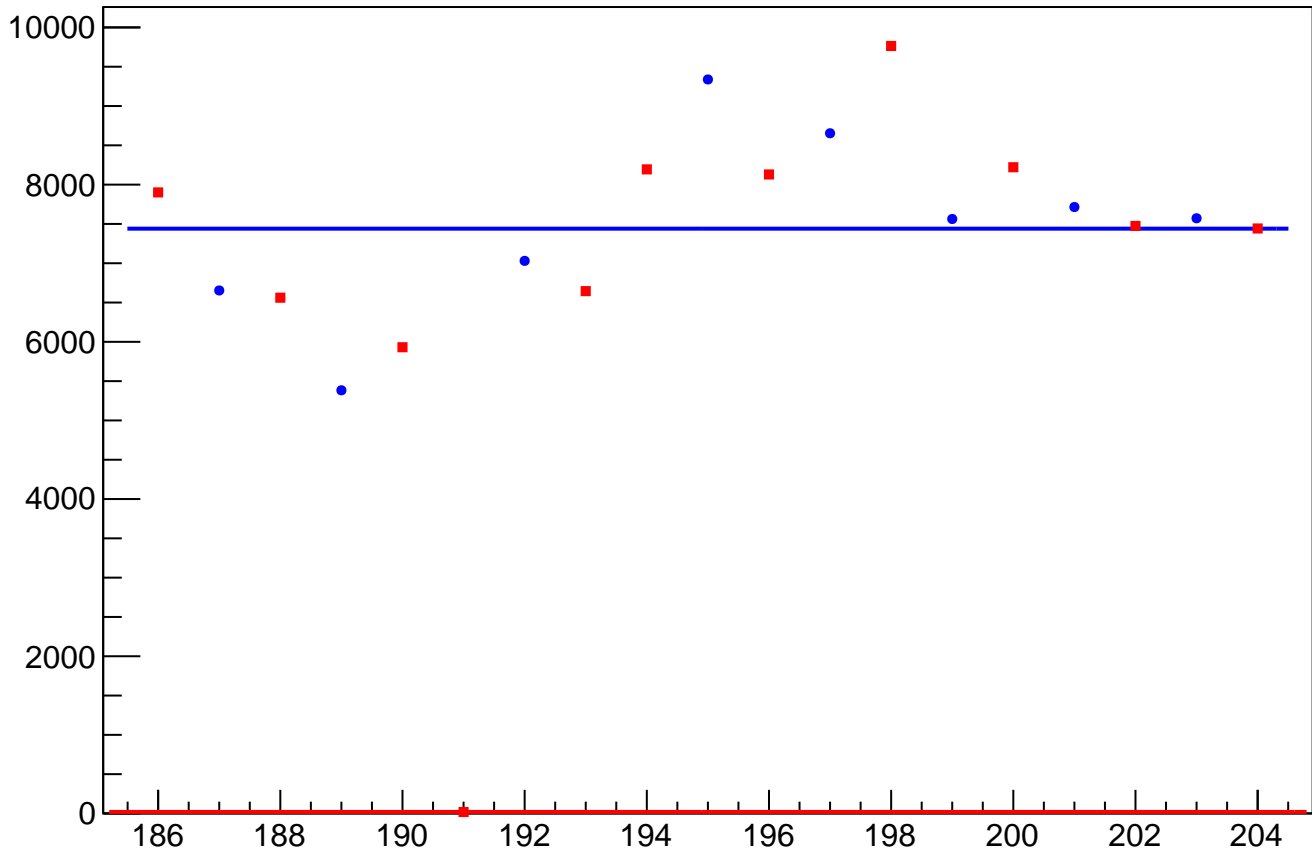
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.023+/-37.026  $\chi^2/\text{NDF}$ : 20.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr\_avg\_correction\_rms vs Slug



Right In: 7439.915+/-2.366  $\chi^2/\text{NDF}$ : 238875.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.500+/-0.026  $\chi^2/\text{NDF}$ : 12682986.9/10

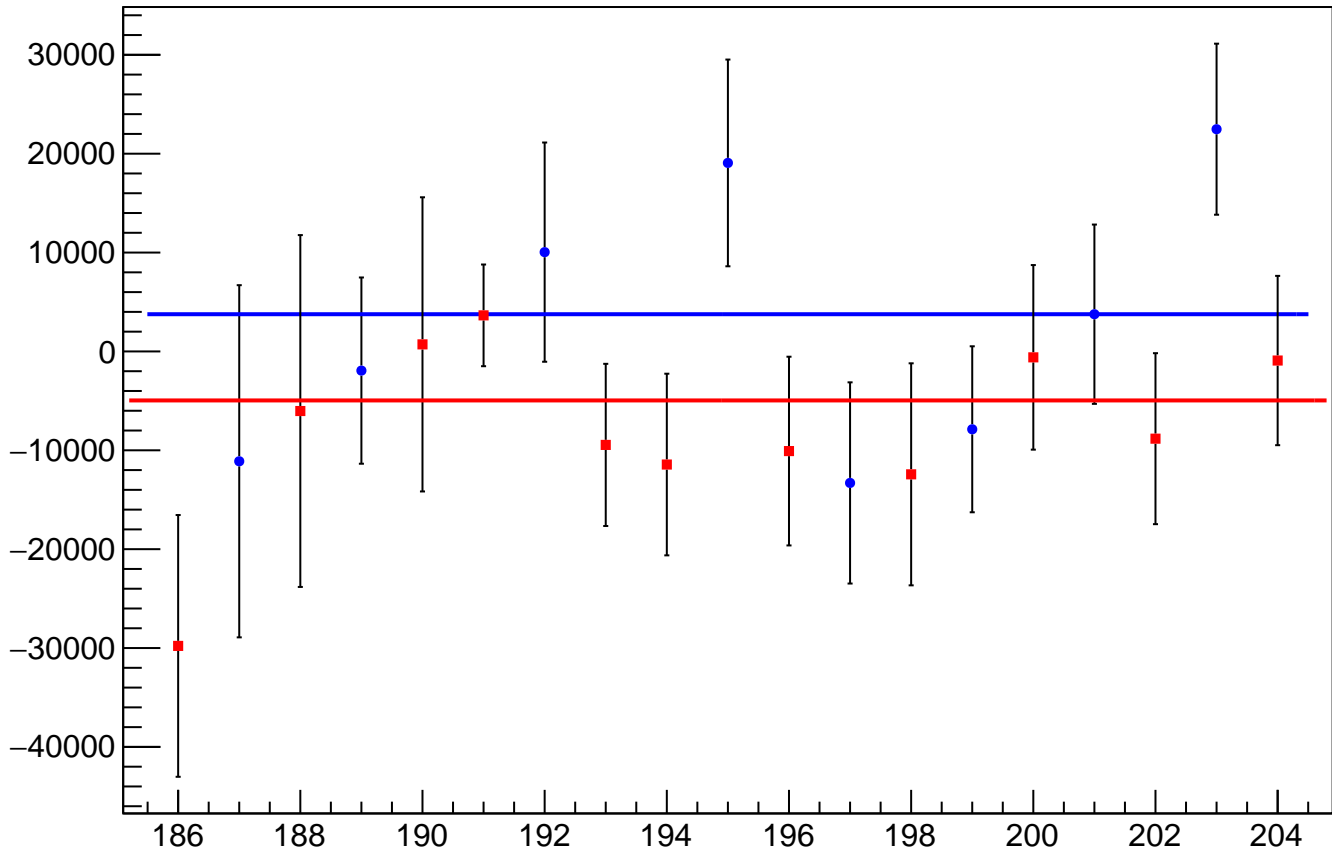
All: 20.409+/-0.026  $\chi^2/\text{NDF}$ : 22760323.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_atr\_avg\_mean vs Slug



Right In: 3764.381+/-3511.772  $\chi^2$ /NDF: 12.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -4956.232+/-2718.562  $\chi^2$ /NDF: 8.6/10

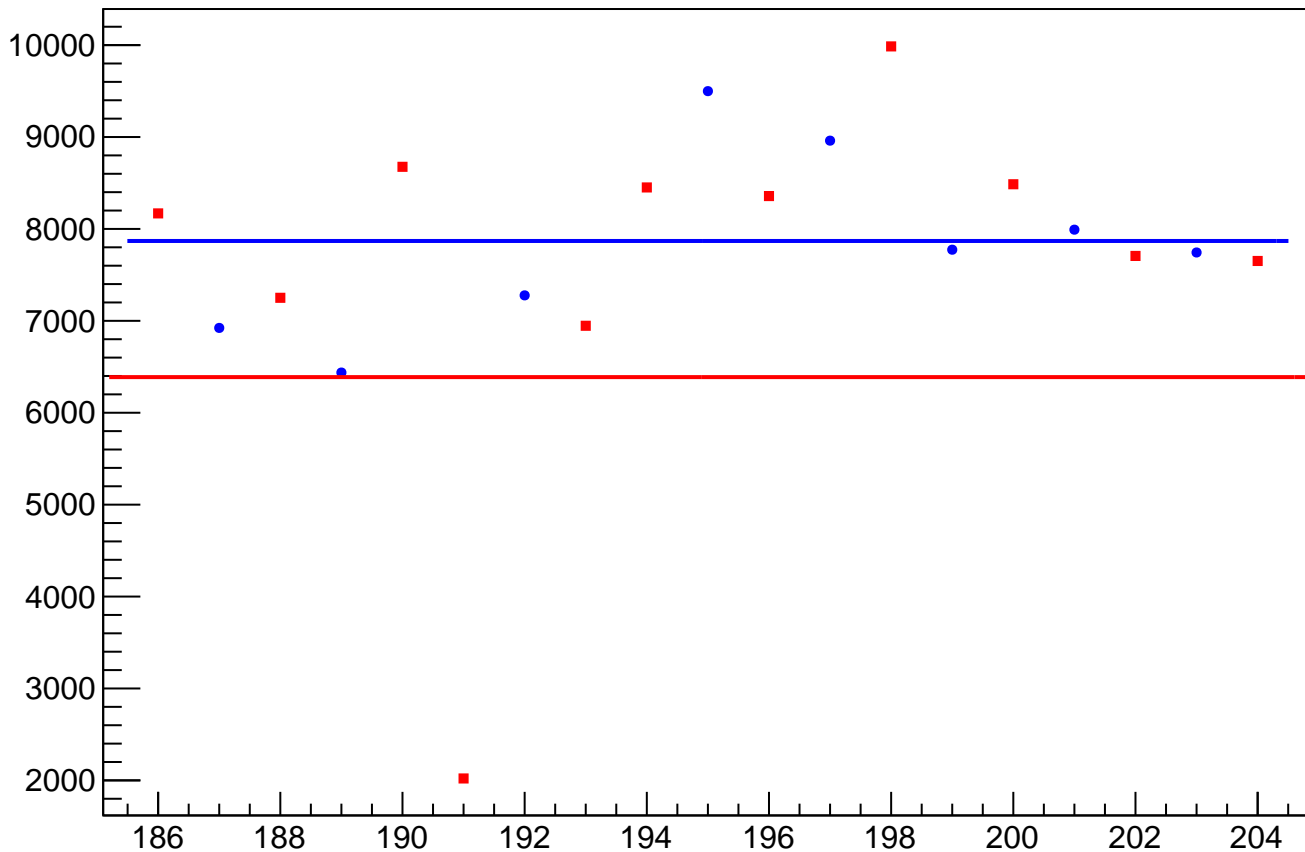
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -1688.474+/-2149.700  $\chi^2$ /NDF: 25.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr\_avg\_rms vs Slug



Right In: 7868.968 $\pm$ 2.483  $\chi^2$ /NDF: 130243.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6387.765 $\pm$ 1.922  $\chi^2$ /NDF: 2122131.3/10

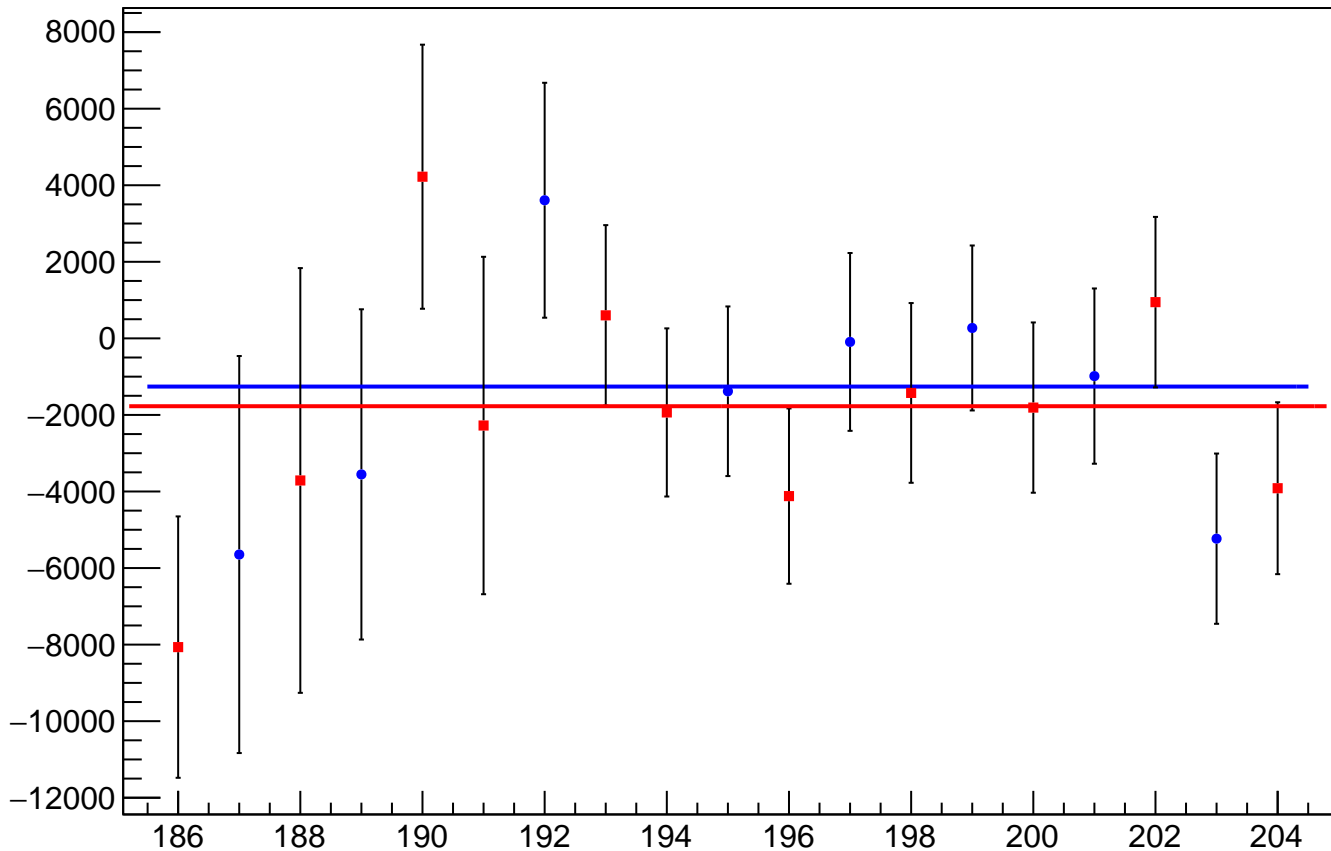
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6942.795 $\pm$ 1.520  $\chi^2$ /NDF: 2474851.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atr\_dd\_mean vs Slug



Right In:  $-1259.092 \pm 914.935$   $\chi^2/\text{NDF}: 7.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1772.482 \pm 786.762$   $\chi^2/\text{NDF}: 11.0/10$

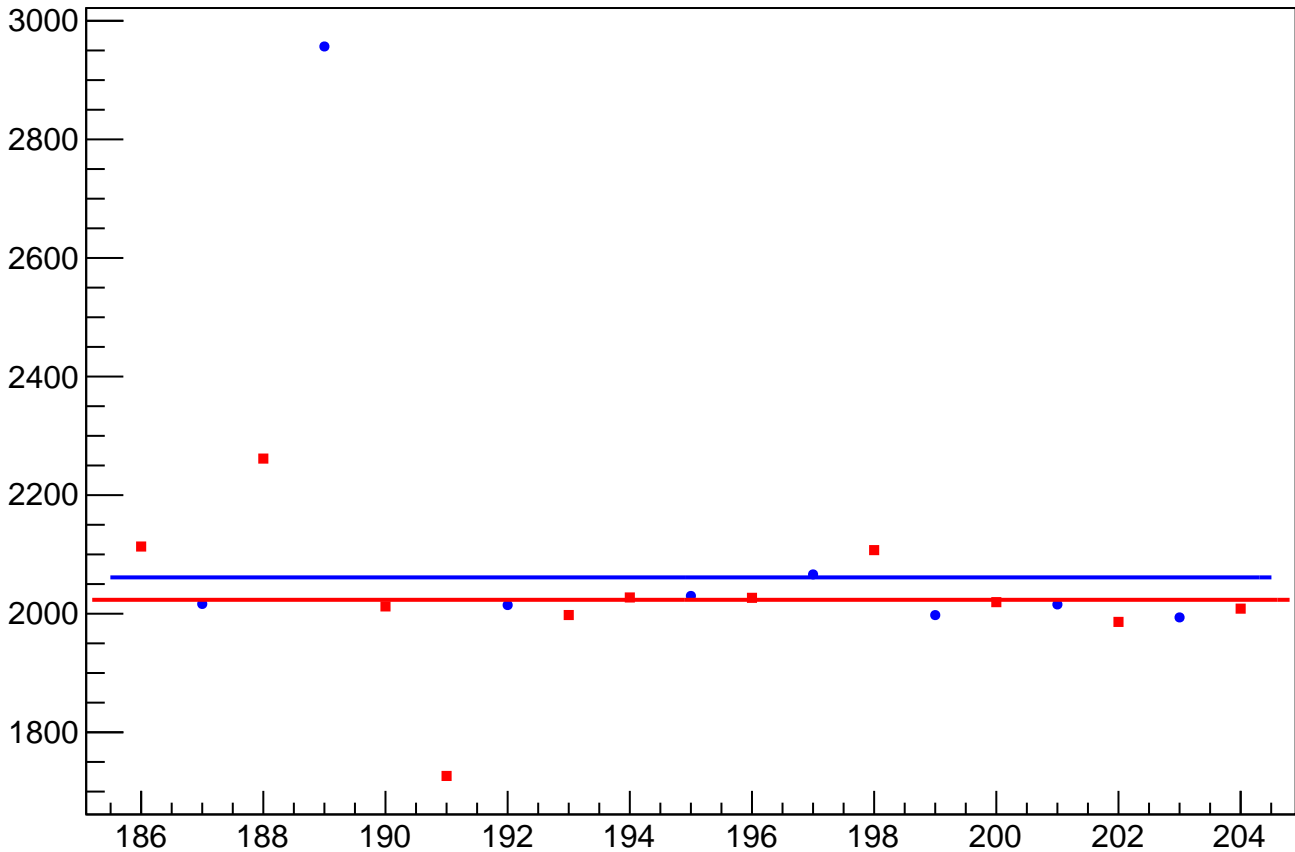
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1554.237 \pm 596.538$   $\chi^2/\text{NDF}: 18.7/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_asym\_atr\_dd\_rms vs Slug



Right In: 2061.270 $\pm$ 0.647  $\chi^2$ /NDF: 91588.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2023.444 $\pm$ 0.556  $\chi^2$ /NDF: 17633.1/10

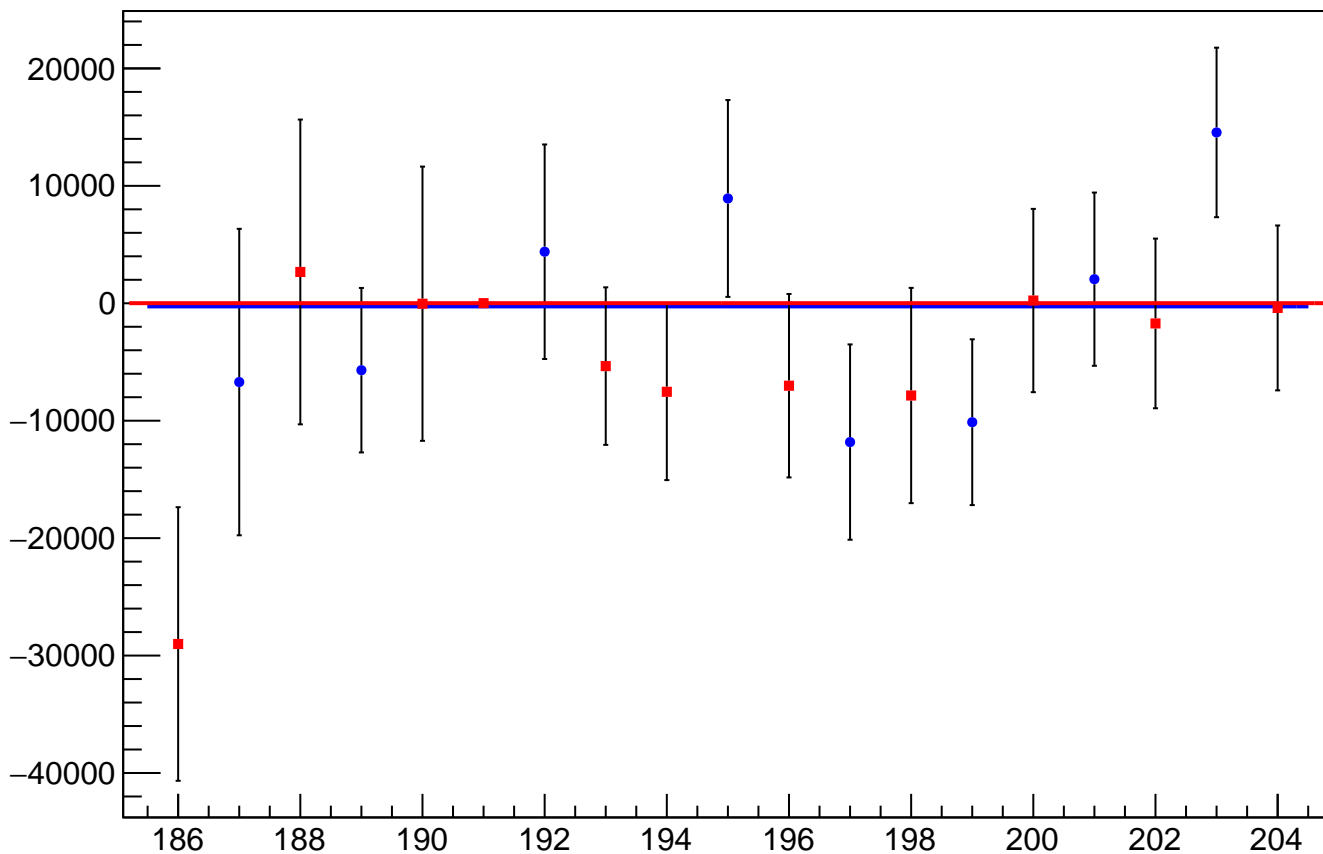
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2039.524 $\pm$ 0.422  $\chi^2$ /NDF: 111186.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr\_dd\_correction\_mean vs Slug



Right In: -265.434+/-2833.217  $\chi^2$ /NDF: 10.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 9.526+/-42.302  $\chi^2$ /NDF: 9.5/10

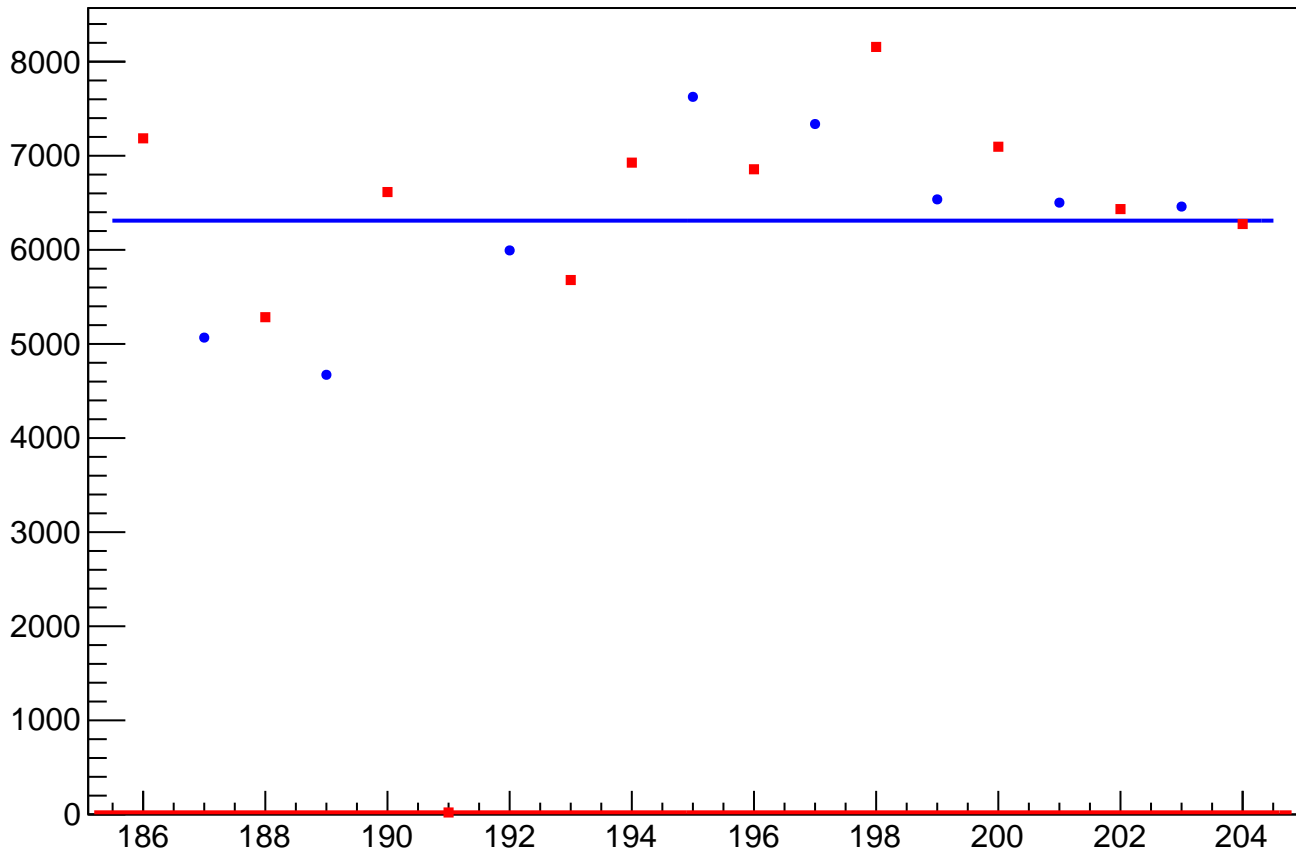
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 9.465+/-42.297  $\chi^2$ /NDF: 20.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr\_dd\_correction\_rms vs Slug



Right In: 6310.464 $\pm$ 2.003  $\chi^2$ /NDF: 213980.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

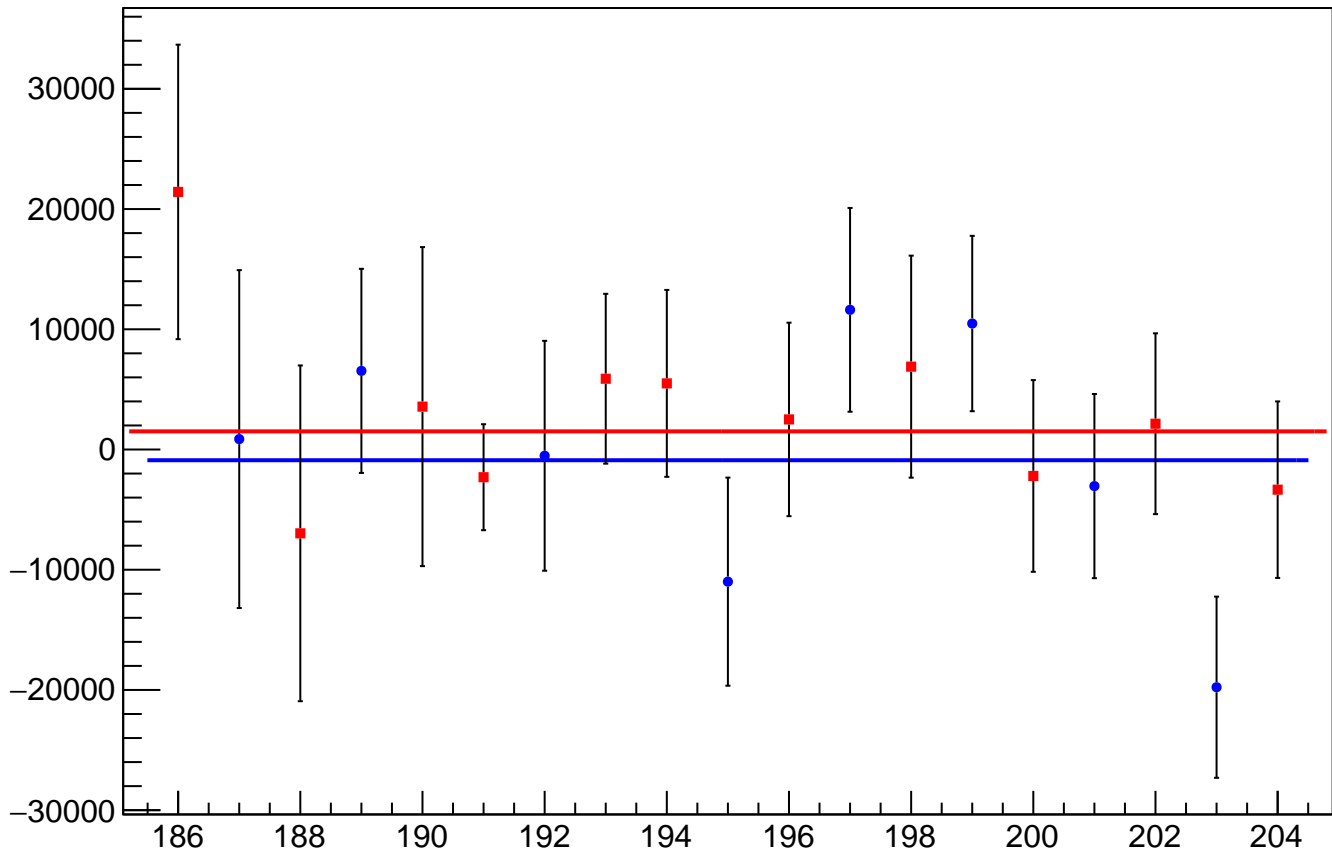
Right Out: 22.702 $\pm$ 0.030  $\chi^2$ /NDF: 12743006.2/10

All: 24.103 $\pm$ 0.030  $\chi^2$ /NDF: 22805391.0/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr\_dd\_mean vs Slug



Right In: -892.019+/-3006.836  $\chi^2/\text{NDF}$ : 13.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1508.290+/-2326.838  $\chi^2/\text{NDF}$ : 5.4/10

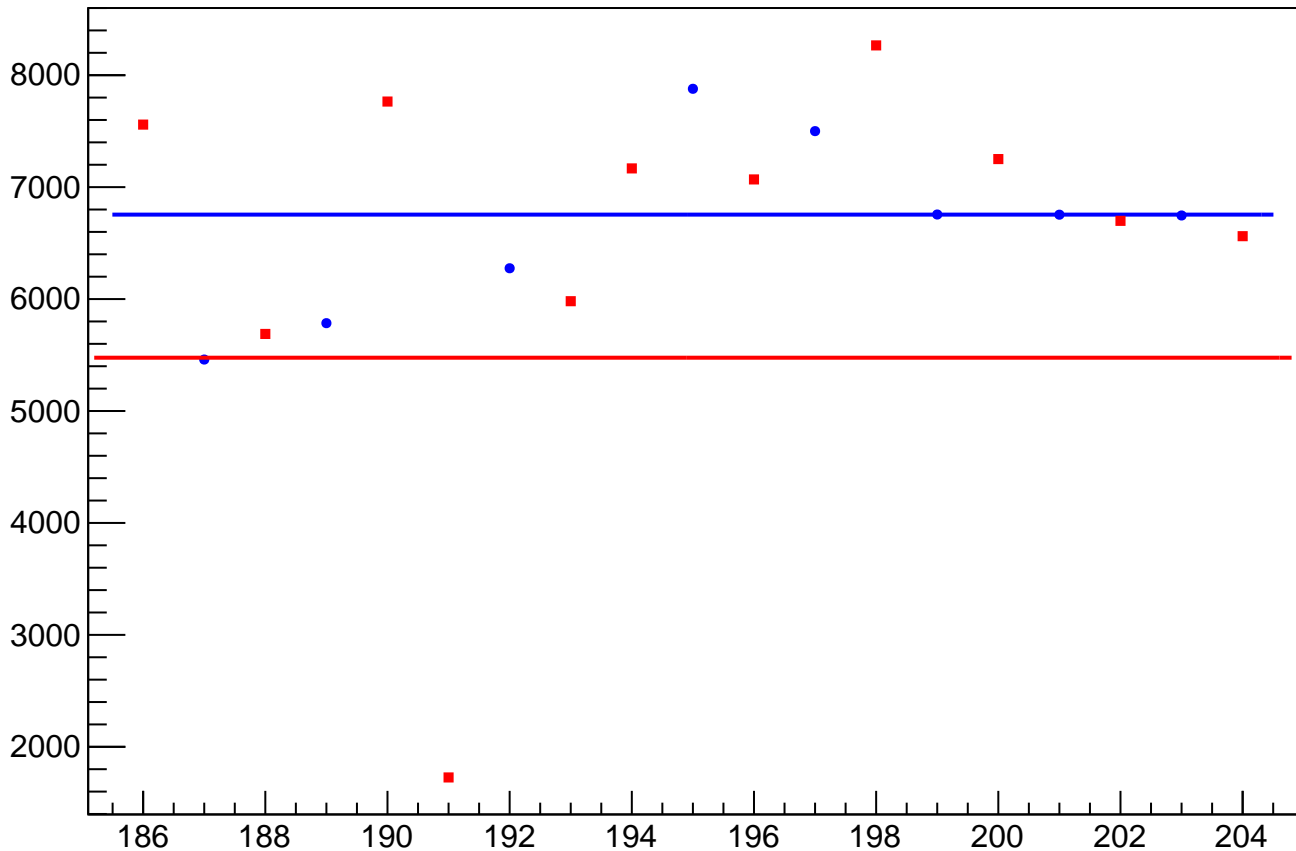
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 609.260+/-1840.192  $\chi^2/\text{NDF}$ : 19.0/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr\_dd\_rms vs Slug



Right In: 6754.514 $\pm$ 2.126  $\chi^2$ /NDF: 97319.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 5476.178 $\pm$ 1.645  $\chi^2$ /NDF: 2127236.3/10

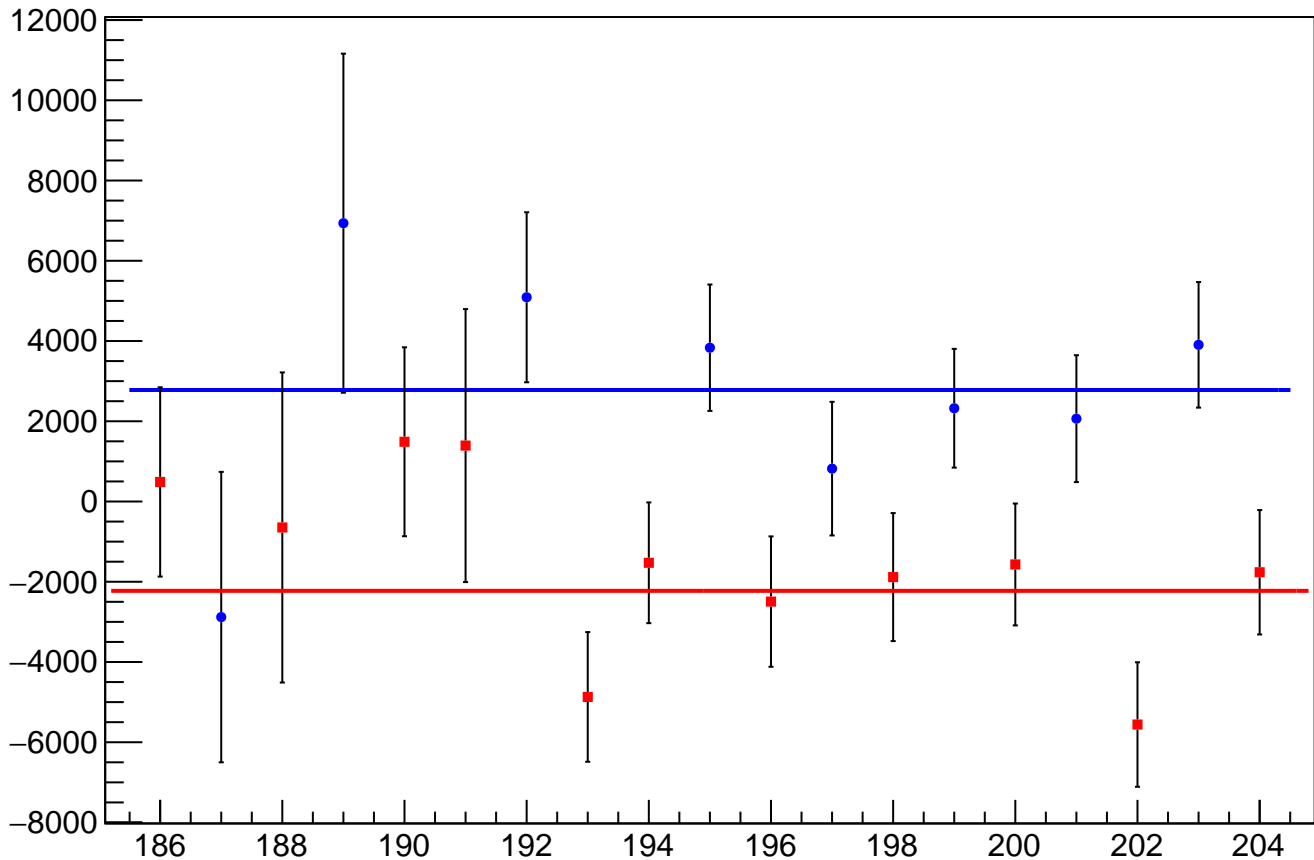
All: 5954.974 $\pm$ 1.301  $\chi^2$ /NDF: 2450652.7/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_atl\_avg\_atr\_avg\_avg\_mean vs Slug



Right In: 2779.196+/-647.673  $\chi^2/\text{NDF}$ : 7.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2226.579+/-544.385  $\chi^2/\text{NDF}$ : 13.0/10

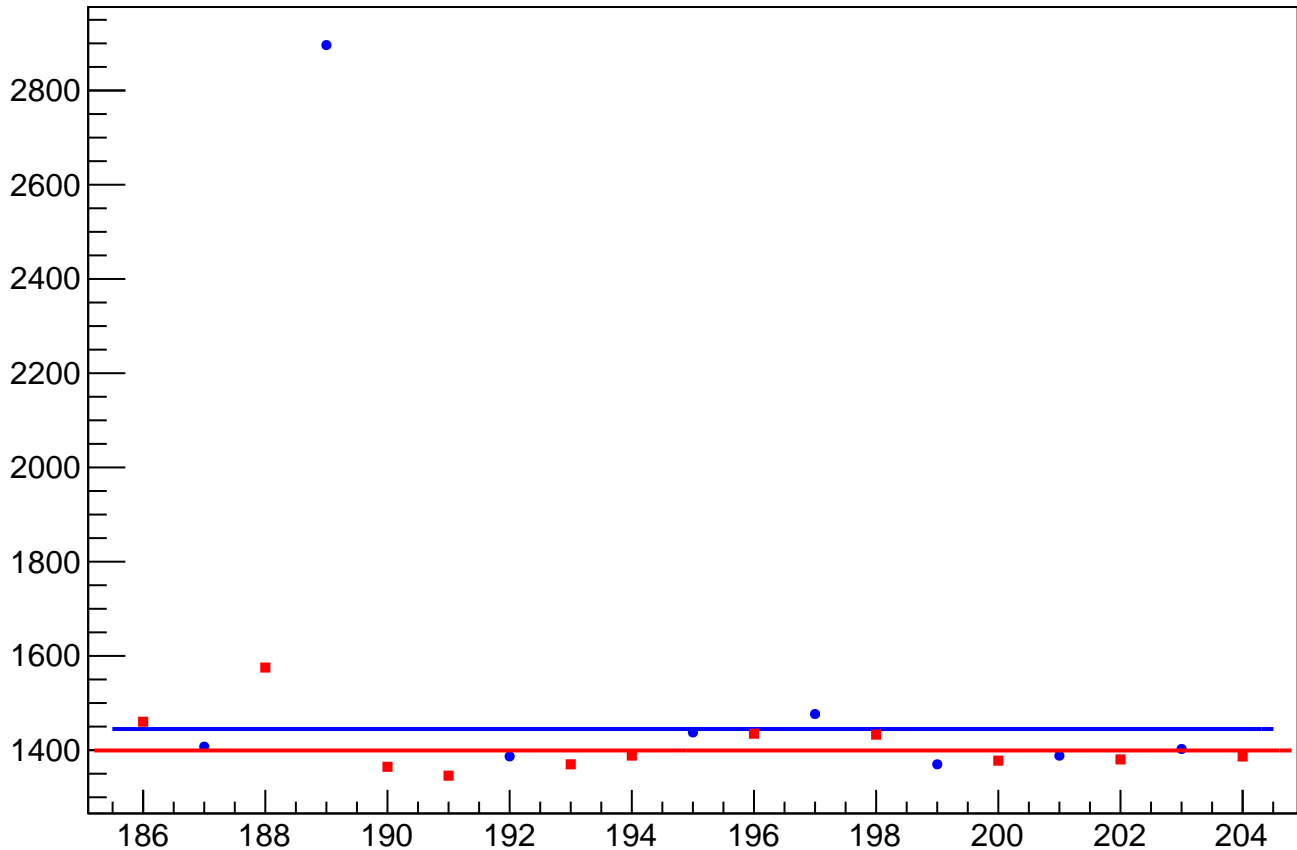
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -154.193+/-416.731  $\chi^2/\text{NDF}$ : 55.2/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atl\_avg\_atr\_avg\_avg\_rms vs Slug



Right In: 1444.832 $\pm$ 0.458  $\chi^2$ /NDF: 247710.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1399.324 $\pm$ 0.385  $\chi^2$ /NDF: 9861.9/10

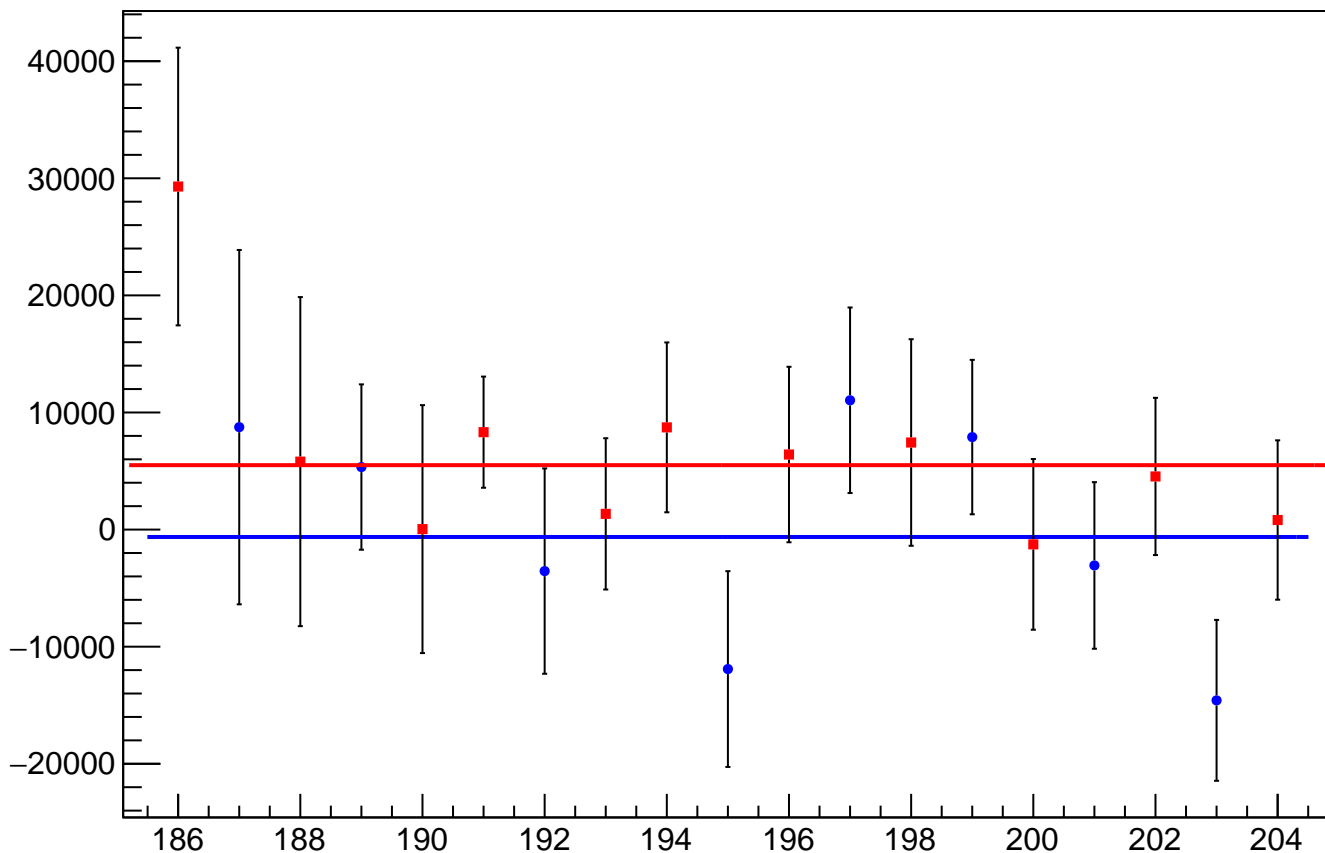
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1418.164 $\pm$ 0.295  $\chi^2$ /NDF: 263358.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_avg\_atr\_avg\_avg\_correction\_mean vs Slug



Right In: -631.743+/-2756.269  $\chi^2/\text{NDF}$ : 11.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5501.513+/-2226.453  $\chi^2/\text{NDF}$ : 6.7/10

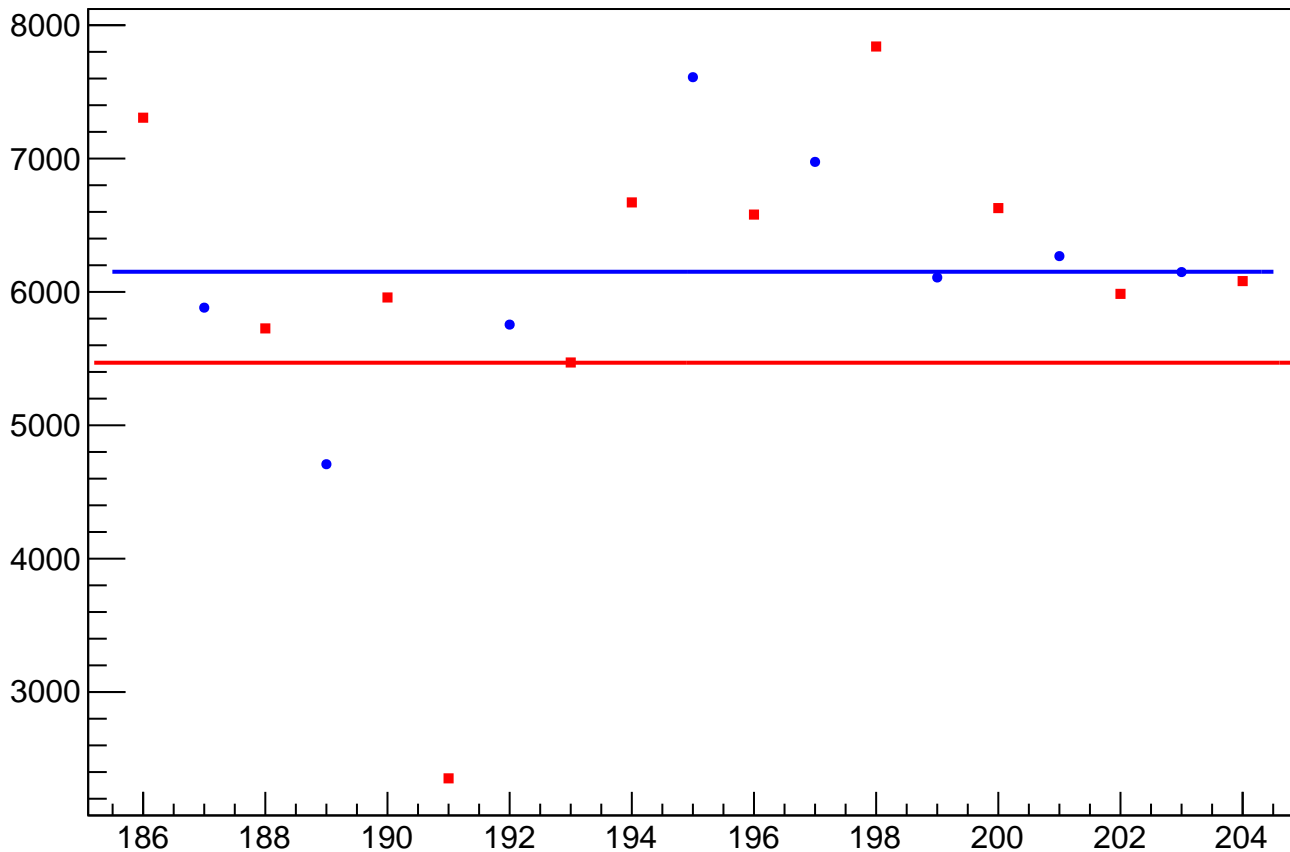
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3079.746+/-1731.977  $\chi^2/\text{NDF}$ : 20.8/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_atr\_avg\_avg\_correction\_rms vs Slug



Right In: 6151.243 $\pm$ 1.949  $\chi^2$ /NDF: 171411.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

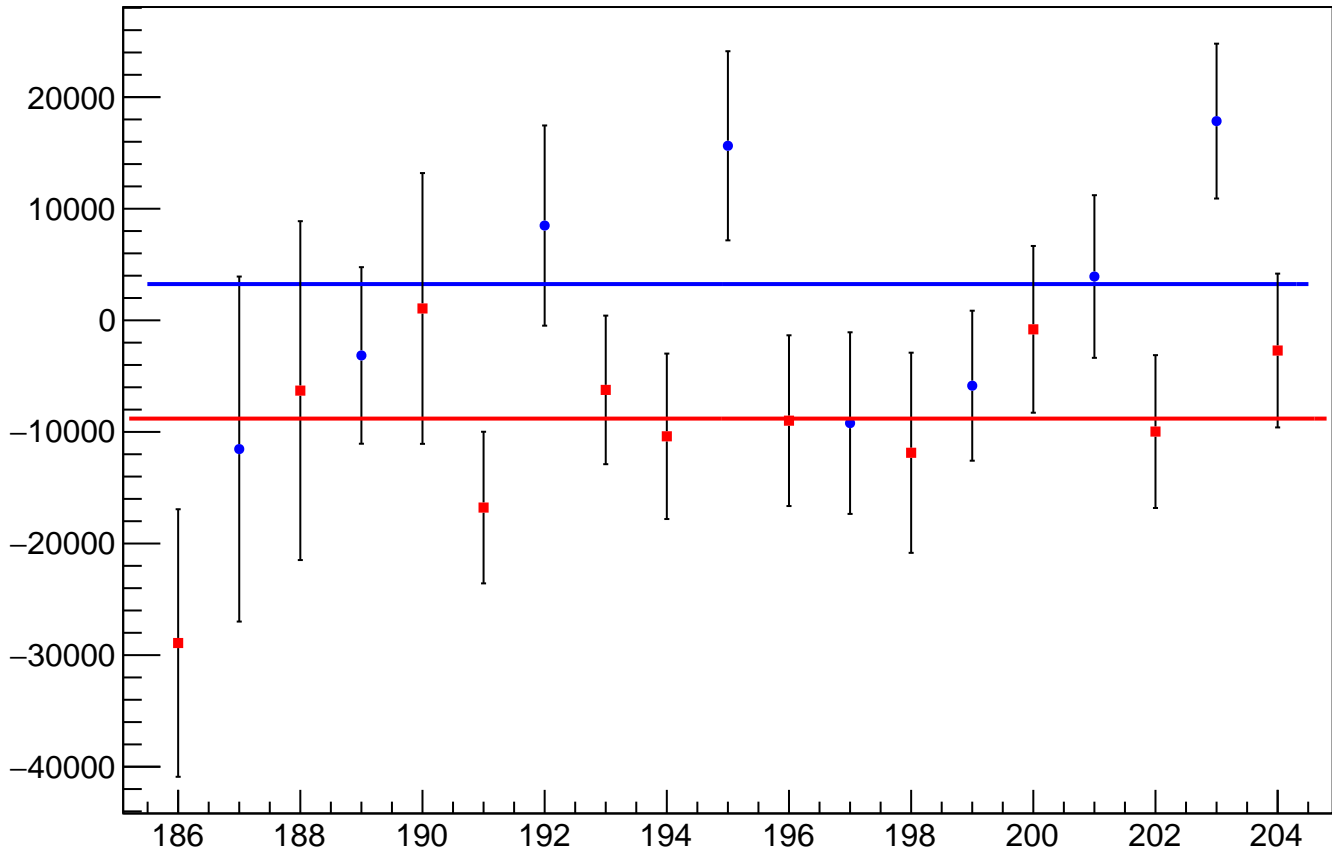
Right Out: 5469.212 $\pm$ 1.574  $\chi^2$ /NDF: 1237299.6/10

All: 5738.517 $\pm$ 1.225  $\chi^2$ /NDF: 1482816.5/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_avg\_atr\_avg\_avg\_mean vs Slug



Right In: 3248.142+/-2847.015  $\chi^2$ /NDF: 12.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

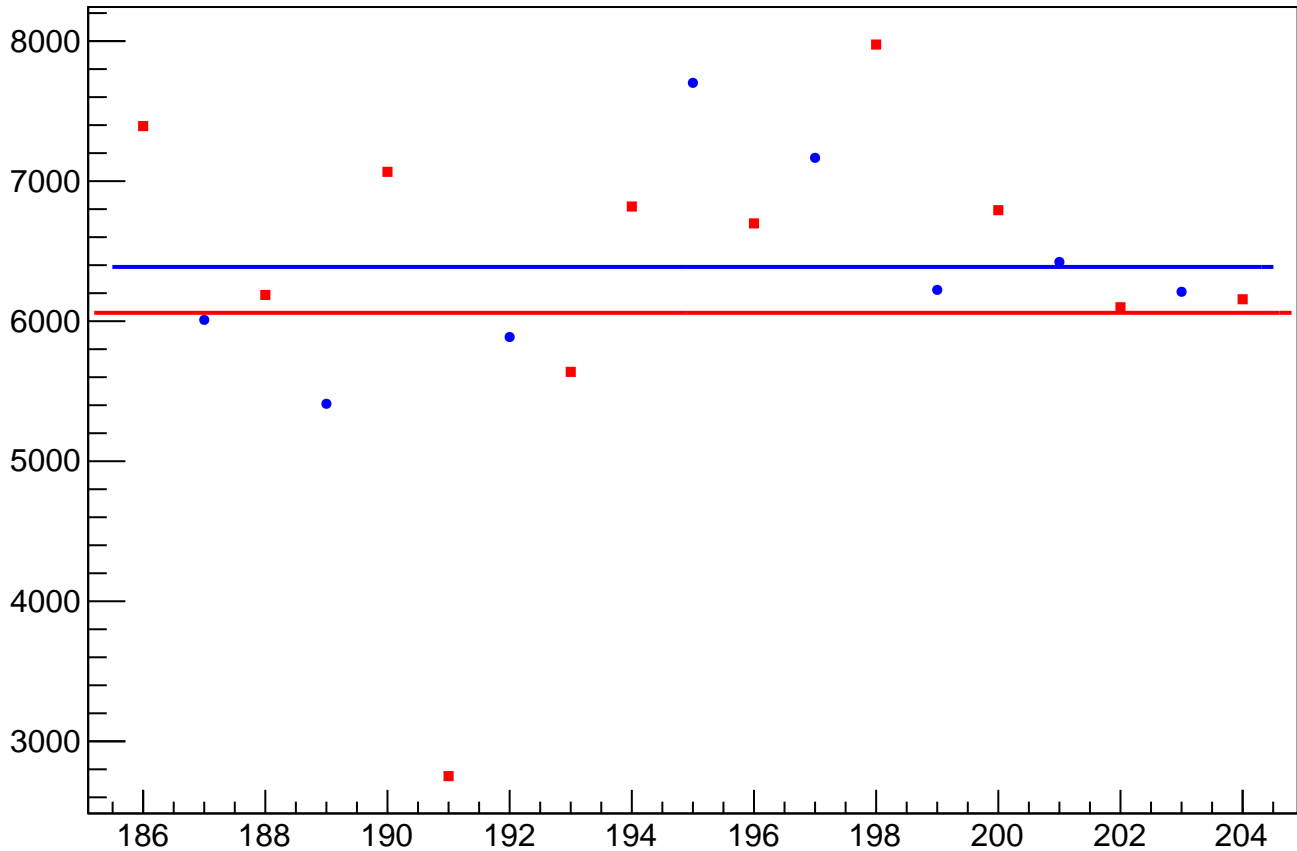
Right Out: -8804.843+/-2422.806  $\chi^2$ /NDF: 7.2/10

All: -3742.343+/-1845.121  $\chi^2$ /NDF: 30.2/18

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_avg\_atr\_avg\_avg\_rms vs Slug



Right In: 6387.504 $\pm$ 2.013  $\chi^2$ /NDF: 106965.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

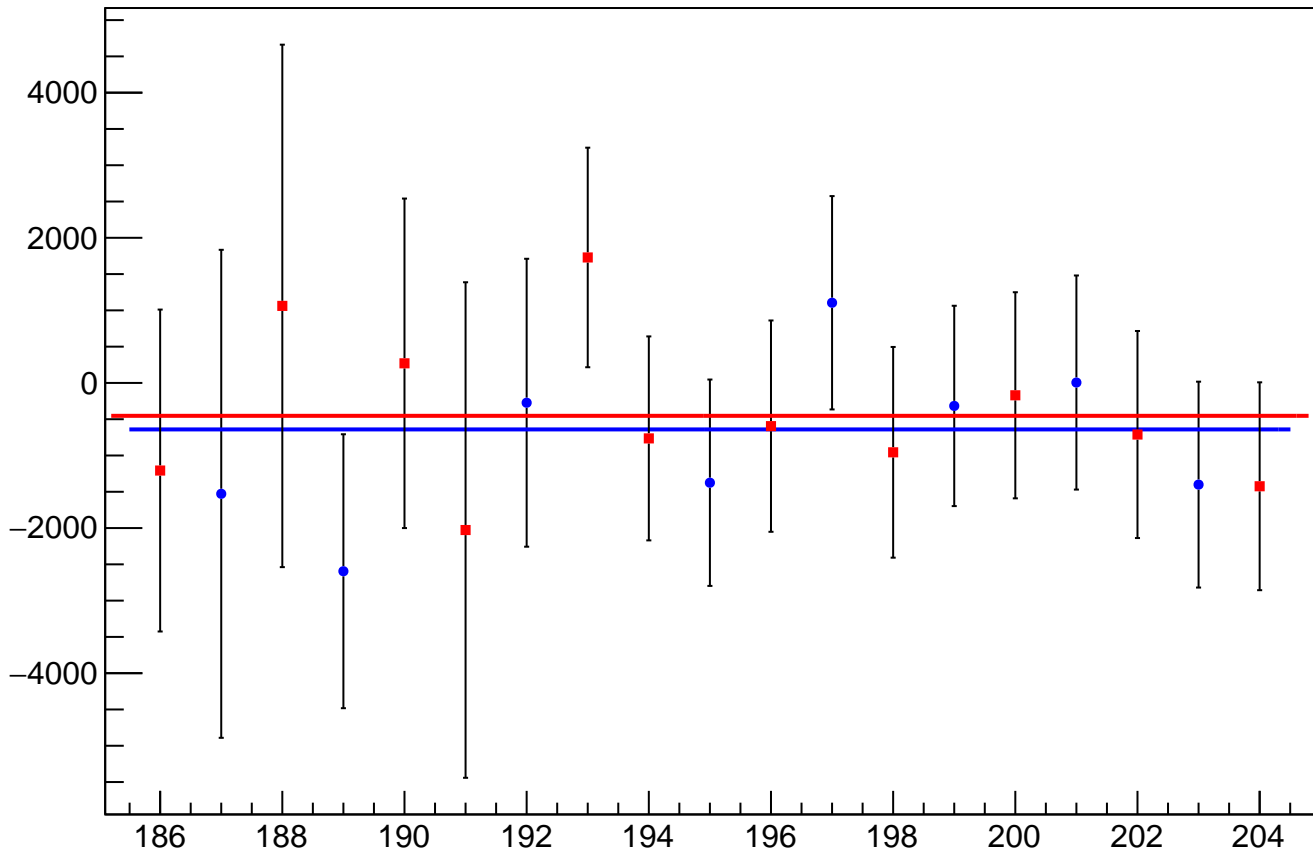
Right Out: 6059.899 $\pm$ 1.713  $\chi^2$ /NDF: 666905.5/10

All: 6197.499 $\pm$ 1.305  $\chi^2$ /NDF: 789229.8/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl\_avg\_atr\_avg\_dd\_mean vs Slug



Right In: -640.701+/-571.508  $\chi^2$ /NDF: 3.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -453.275+/-504.825  $\chi^2$ /NDF: 3.4/10

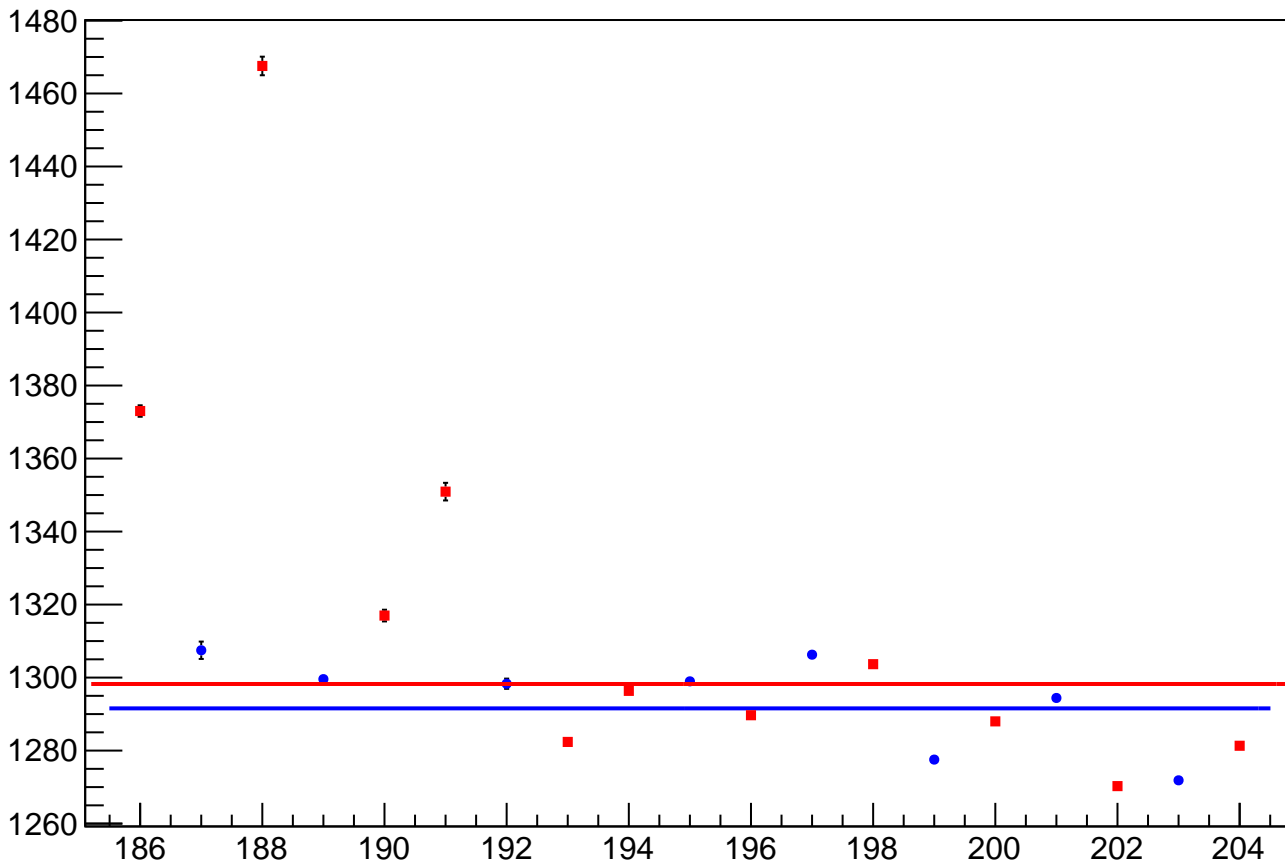
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -535.421+/-378.355  $\chi^2$ /NDF: 6.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl\_avg\_atr\_avg\_dd\_rms vs Slug



Right In: 1291.563+/-0.404  $\chi^2$ /NDF: 958.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1298.243+/-0.357  $\chi^2$ /NDF: 8781.1/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

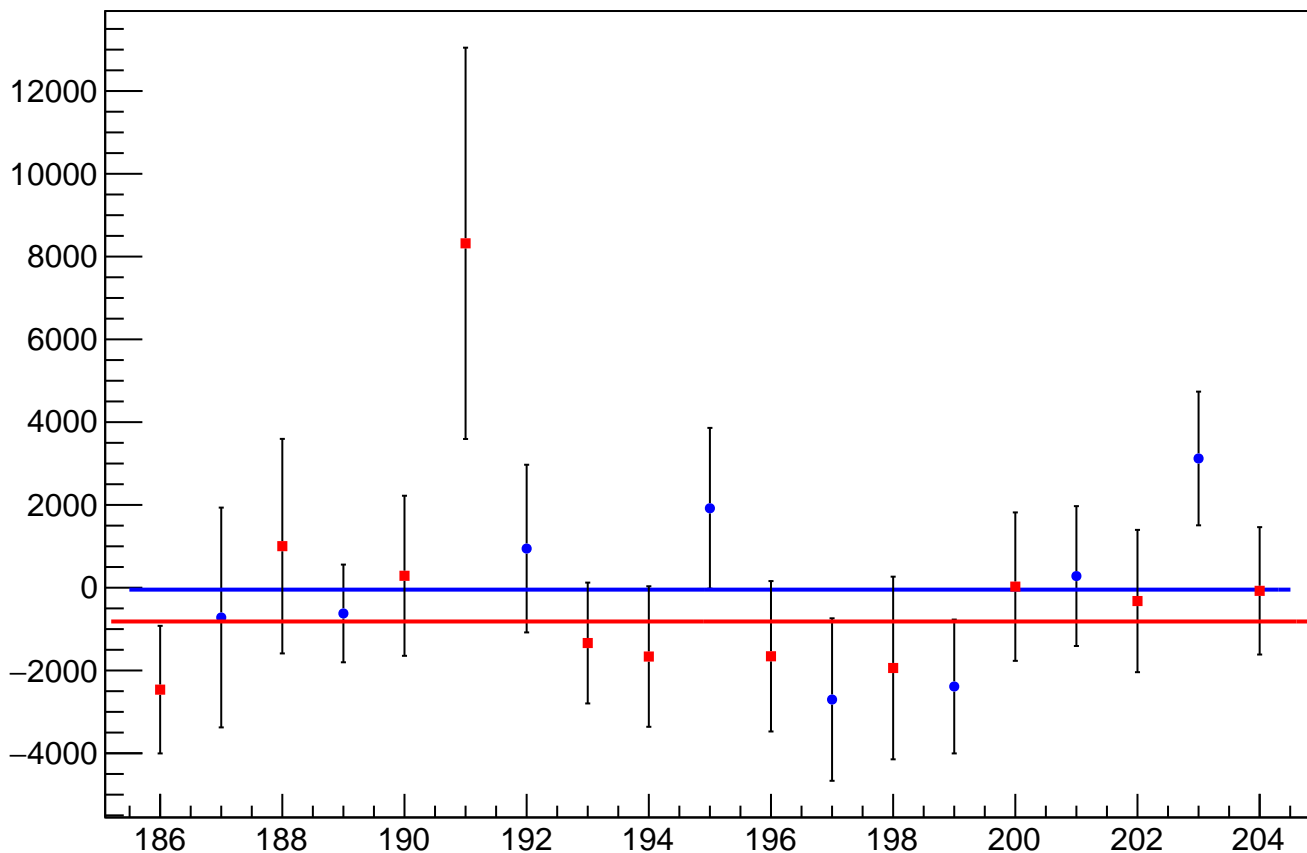
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1295.315+/-0.268  $\chi^2$ /NDF: 9893.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# asym\_atl\_avg\_atr\_avg\_dd\_correction\_mean vs Slug



Right In:  $-46.611 \pm 603.633$   $\chi^2/\text{NDF}$ : 9.4/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-816.066 \pm 552.293$   $\chi^2/\text{NDF}$ : 7.1/10

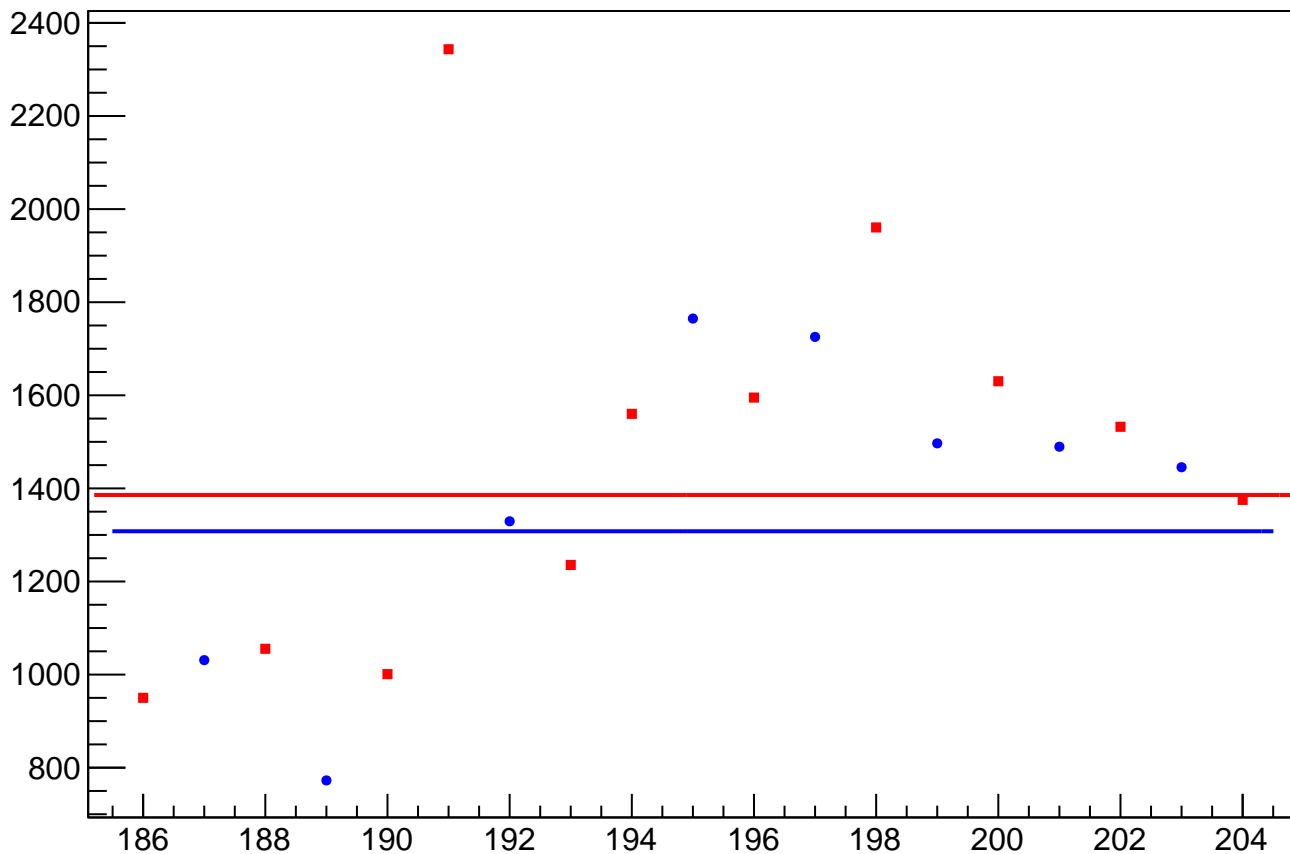
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-465.446 \pm 407.474$   $\chi^2/\text{NDF}$ : 17.3/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_atr\_avg\_dd\_correction\_rms vs Slug



Right In: 1307.914 $\pm$ 0.427  $\chi^2$ /NDF: 699422.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

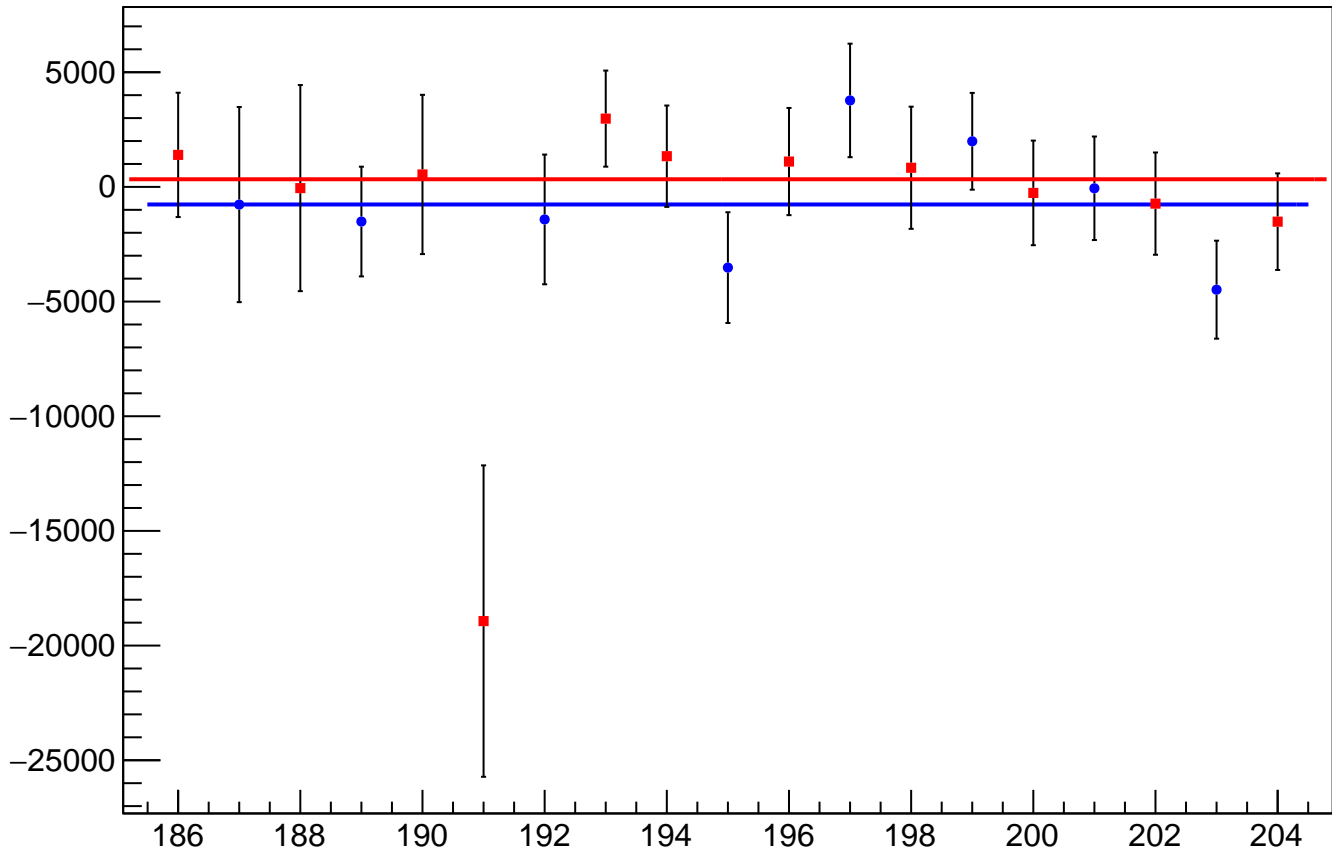
Right Out: 1385.795 $\pm$ 0.391  $\chi^2$ /NDF: 609994.5/10

All: 1350.307 $\pm$ 0.288  $\chi^2$ /NDF: 1327538.9/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_avg\_atr\_avg\_dd\_mean vs Slug



Right In:  $-766.370 \pm 867.202$   $\chi^2/\text{NDF}$ : 9.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $333.362 \pm 774.791$   $\chi^2/\text{NDF}$ : 11.2/10

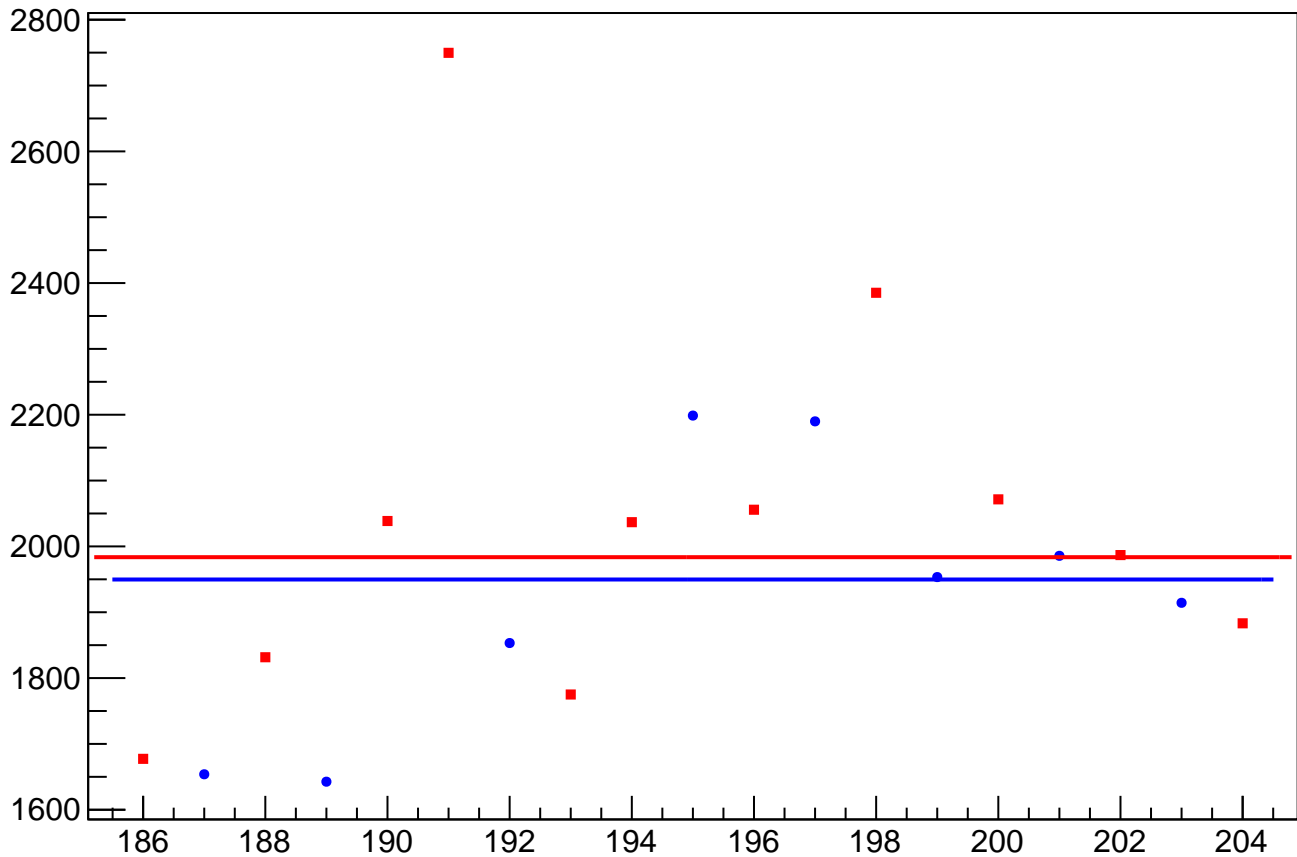
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-154.807 \pm 577.779$   $\chi^2/\text{NDF}$ : 21.8/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl\_avg\_atr\_avg\_dd\_rms vs Slug



Right In: 1949.725 $\pm$ 0.613  $\chi^2$ /NDF: 86124.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

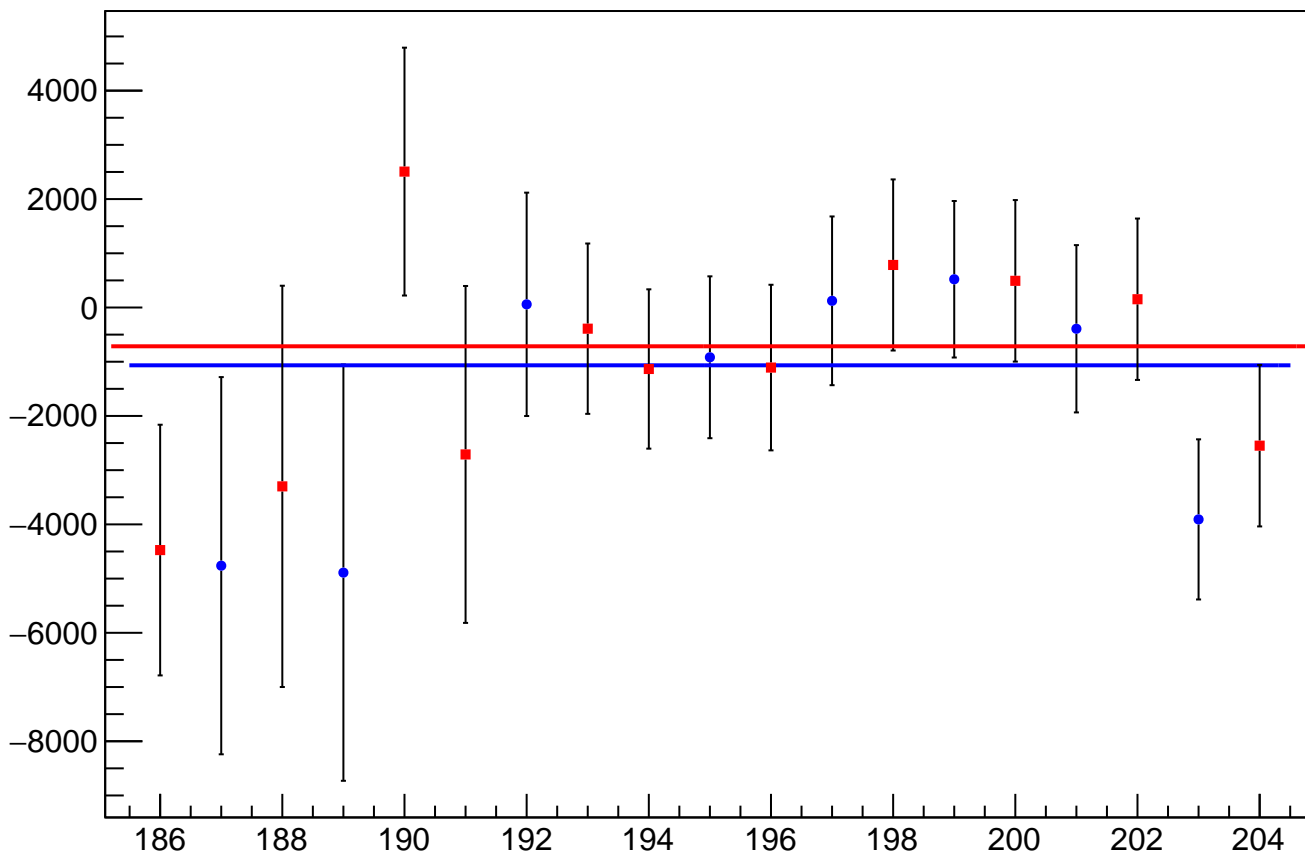
Right Out: 1983.635 $\pm$ 0.548  $\chi^2$ /NDF: 129658.1/10

All: 1968.582 $\pm$ 0.409  $\chi^2$ /NDF: 217483.0/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl\_dd\_atr\_dd\_avg\_mean vs Slug



Right In: -1066.099+/-619.410  $\chi^2/\text{NDF}$ : 8.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -715.319+/-526.563  $\chi^2/\text{NDF}$ : 9.1/10

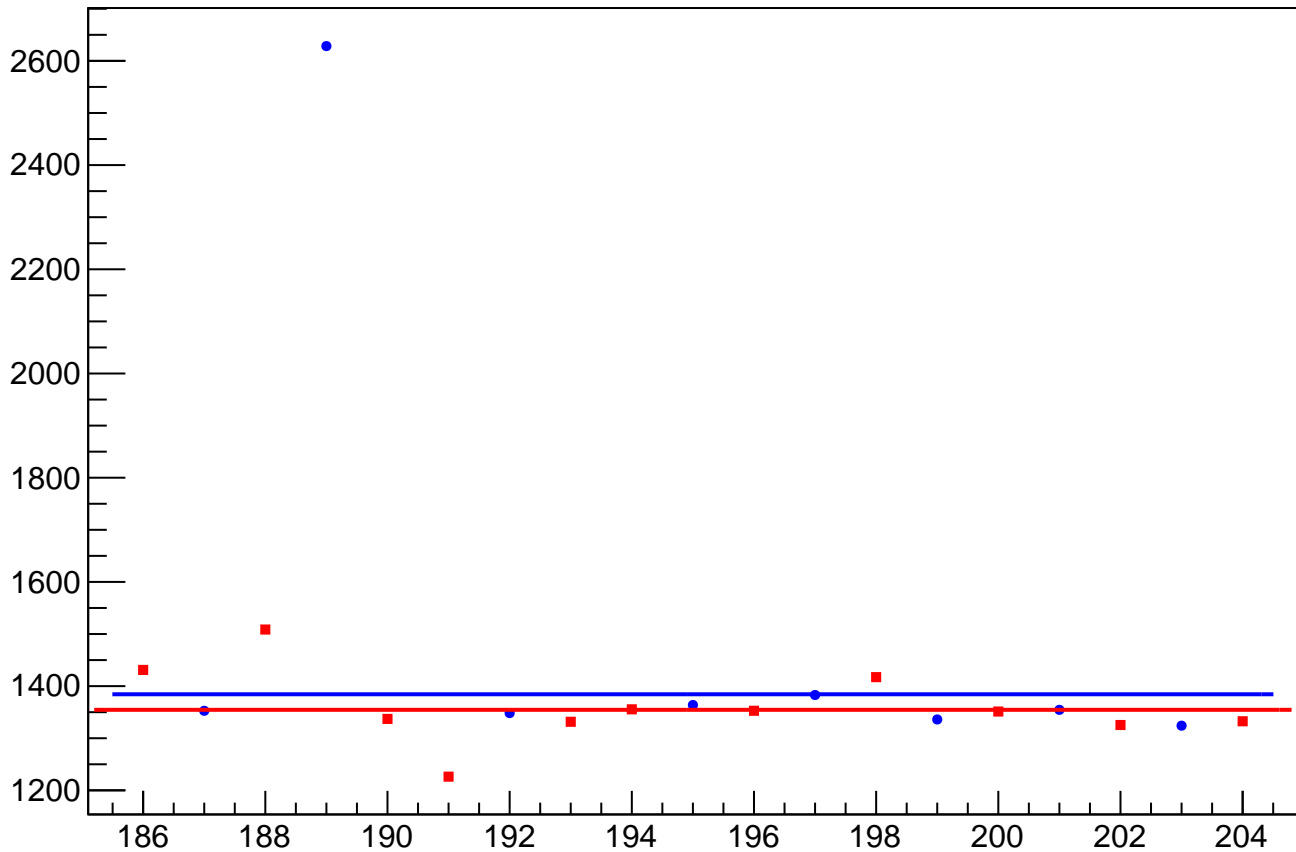
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -862.474+/-401.189  $\chi^2/\text{NDF}$ : 17.4/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atl\_dd\_atr\_dd\_avg\_rms vs Slug



Right In: 1384.372 $\pm$ 0.438  $\chi^2$ /NDF: 217460.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1354.524 $\pm$ 0.372  $\chi^2$ /NDF: 13987.6/10

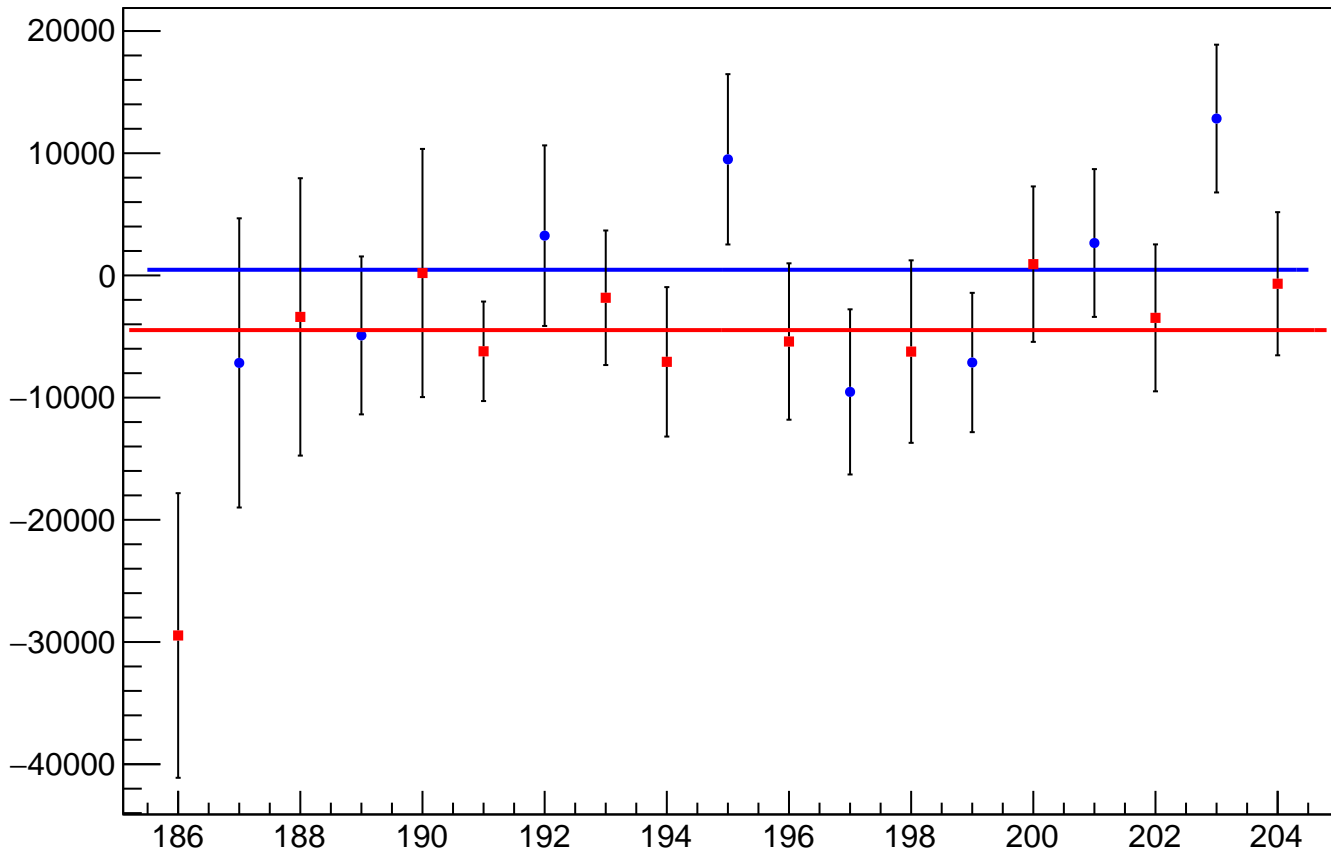
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1367.046 $\pm$ 0.284  $\chi^2$ /NDF: 234144.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_atr\_dd\_avg\_correction\_mean vs Slug



Right In: 462.843+/-2374.501  $\chi^2$ /NDF: 11.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -4474.366+/-1928.867  $\chi^2$ /NDF: 6.7/10

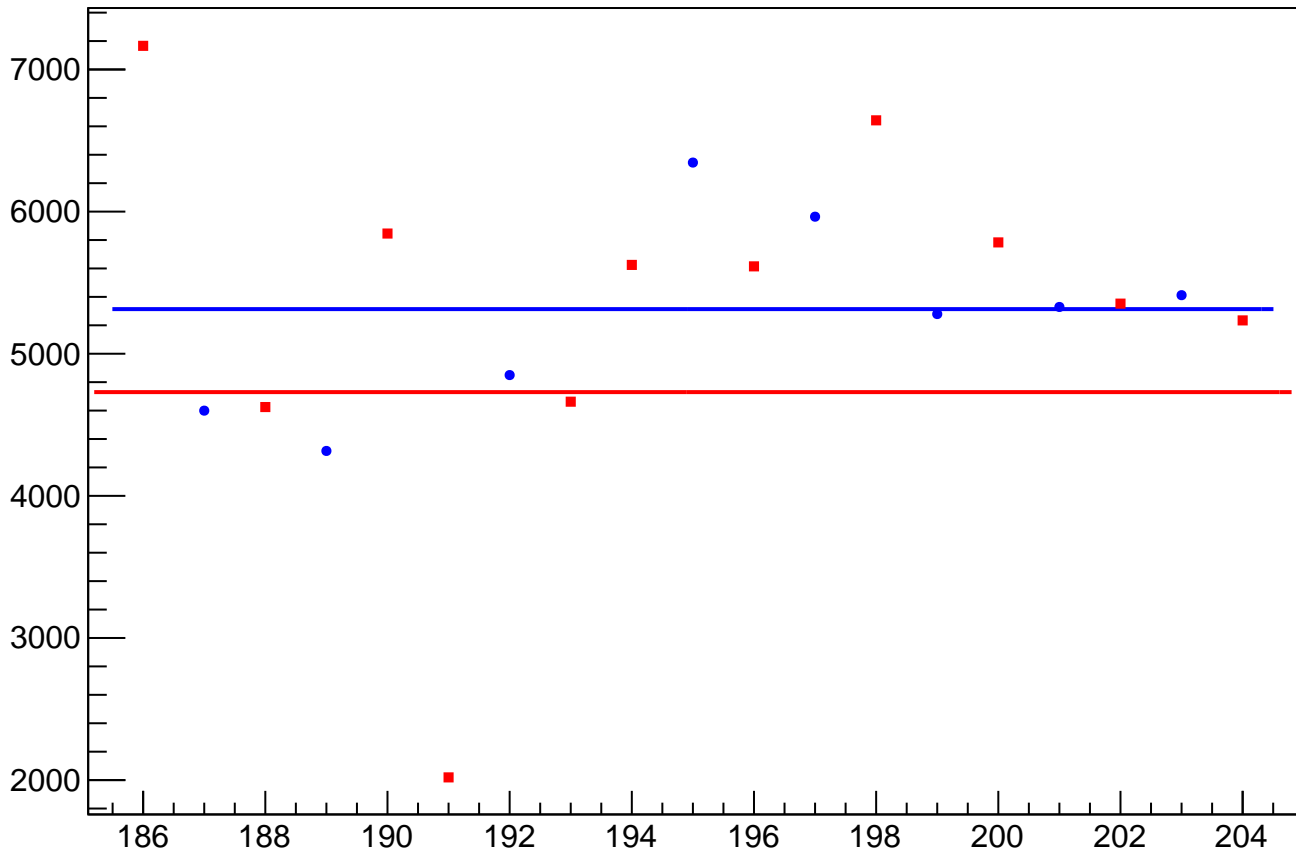
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -2511.608+/-1497.149  $\chi^2$ /NDF: 20.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_atr\_dd\_avg\_correction\_rms vs Slug



Right In: 5313.947+/-1.679  $\chi^2$ /NDF: 125783.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4729.958+/-1.364  $\chi^2$ /NDF: 1302170.8/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

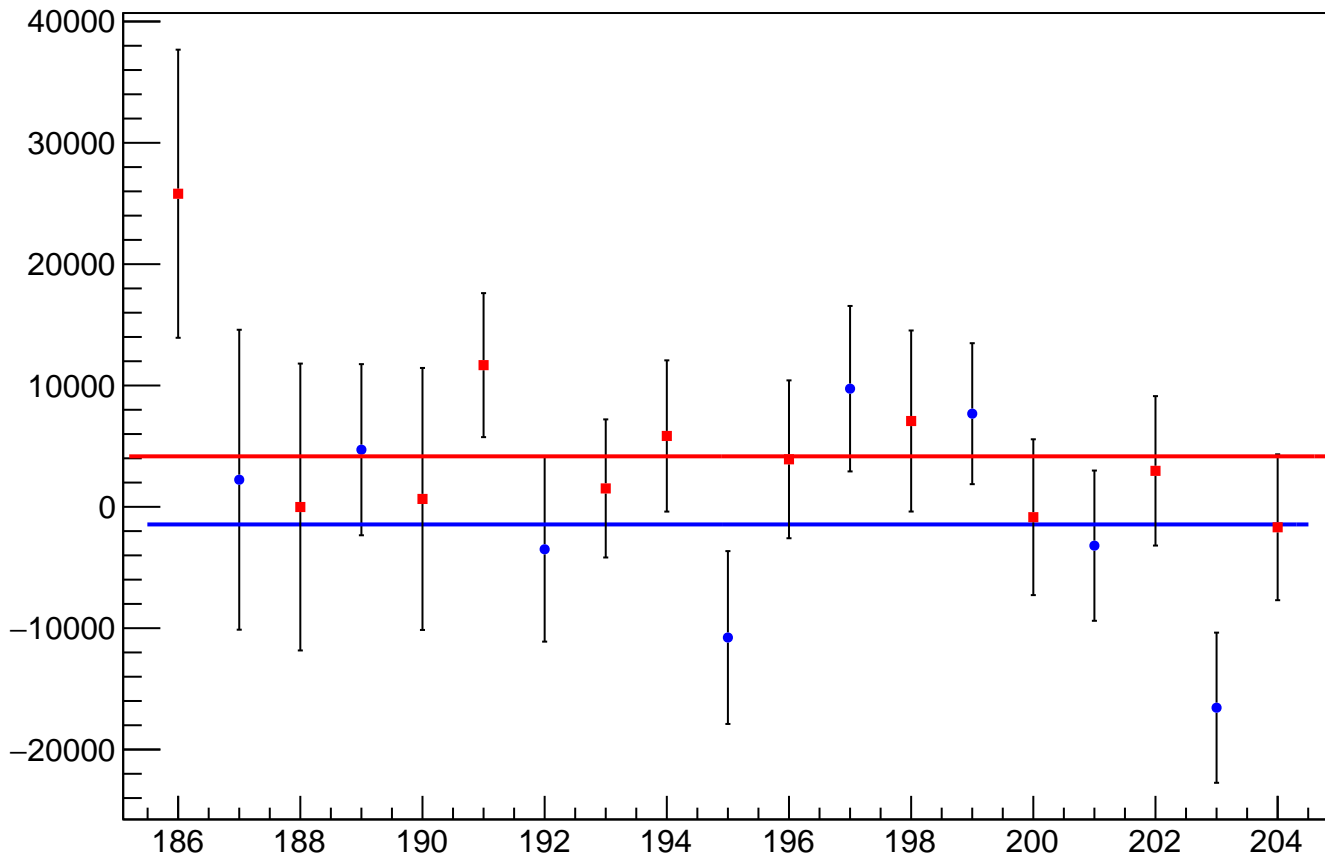
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 4962.119+/-1.059  $\chi^2$ /NDF: 1500835.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# asym\_atl\_dd\_atr\_dd\_avg\_mean vs Slug



Right In: -1449.897 $\pm$ 2447.236  $\chi^2$ /NDF: 13.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4162.546 $\pm$ 2095.422  $\chi^2$ /NDF: 7.2/10

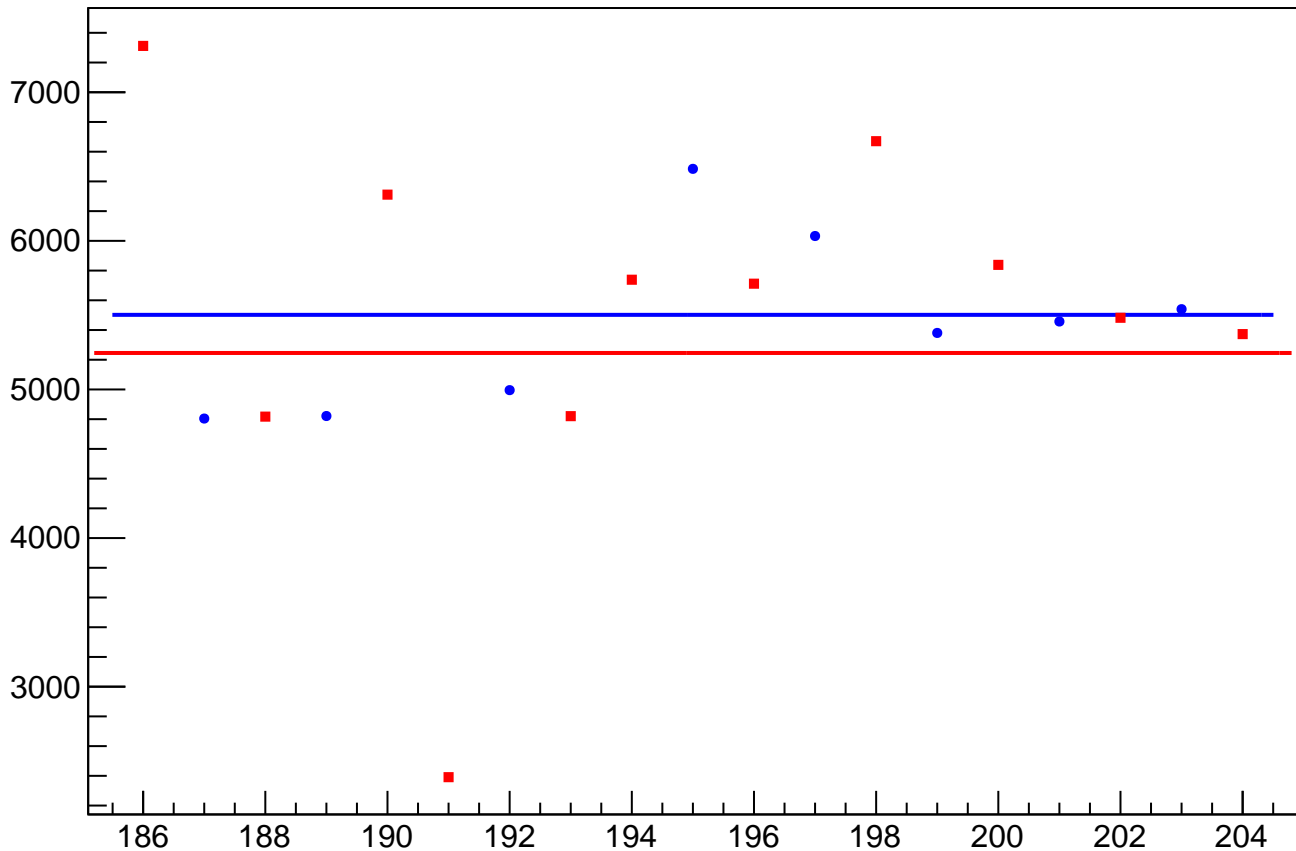
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1788.397 $\pm$ 1591.673  $\chi^2$ /NDF: 24.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_atr\_dd\_avg\_rms vs Slug



Right In: 5502.097+/-1.730  $\chi^2$ /NDF: 85091.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 5245.560+/-1.482  $\chi^2$ /NDF: 673293.1/10

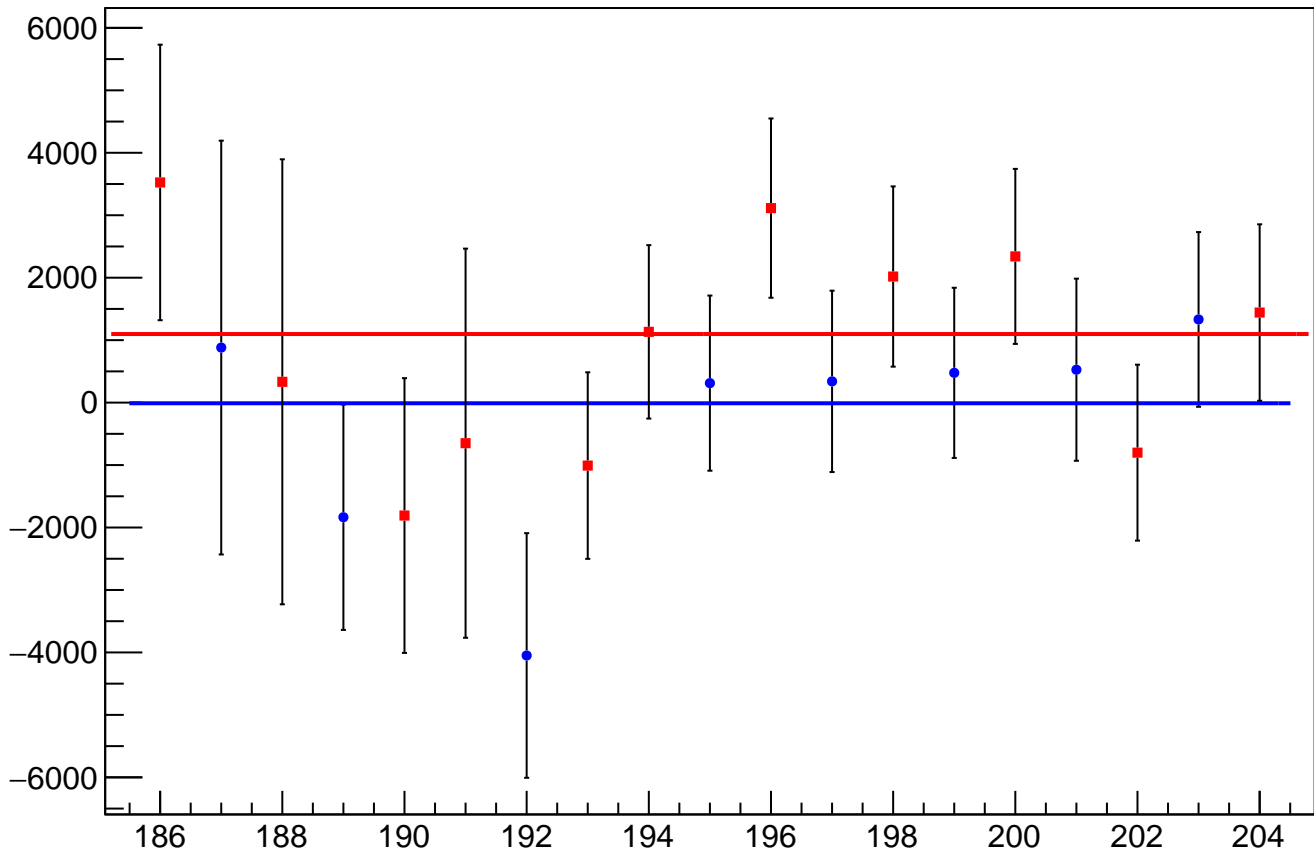
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 5354.079+/-1.125  $\chi^2$ /NDF: 771065.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl\_dd\_atr\_dd\_dd\_mean vs Slug



Right In: -10.517+/-562.321  $\chi^2$ /NDF: 6.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1098.101+/-497.459  $\chi^2$ /NDF: 10.4/10

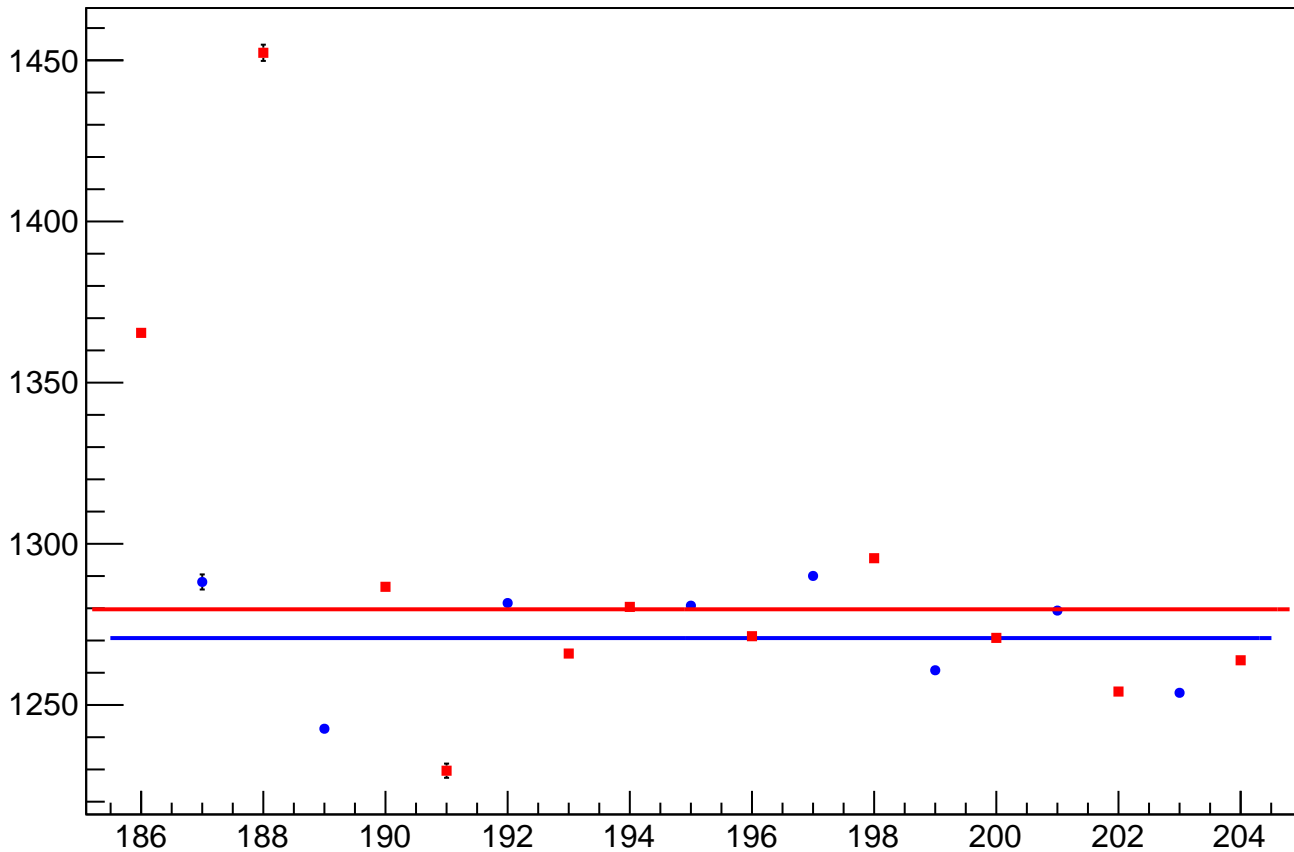
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 611.389+/-372.588  $\chi^2$ /NDF: 19.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl\_dd\_atr\_dd\_dd\_rms vs Slug



Right In: 1270.756 $\pm$ 0.398  $\chi^2$ /NDF: 1528.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1279.684 $\pm$ 0.352  $\chi^2$ /NDF: 9721.3/10

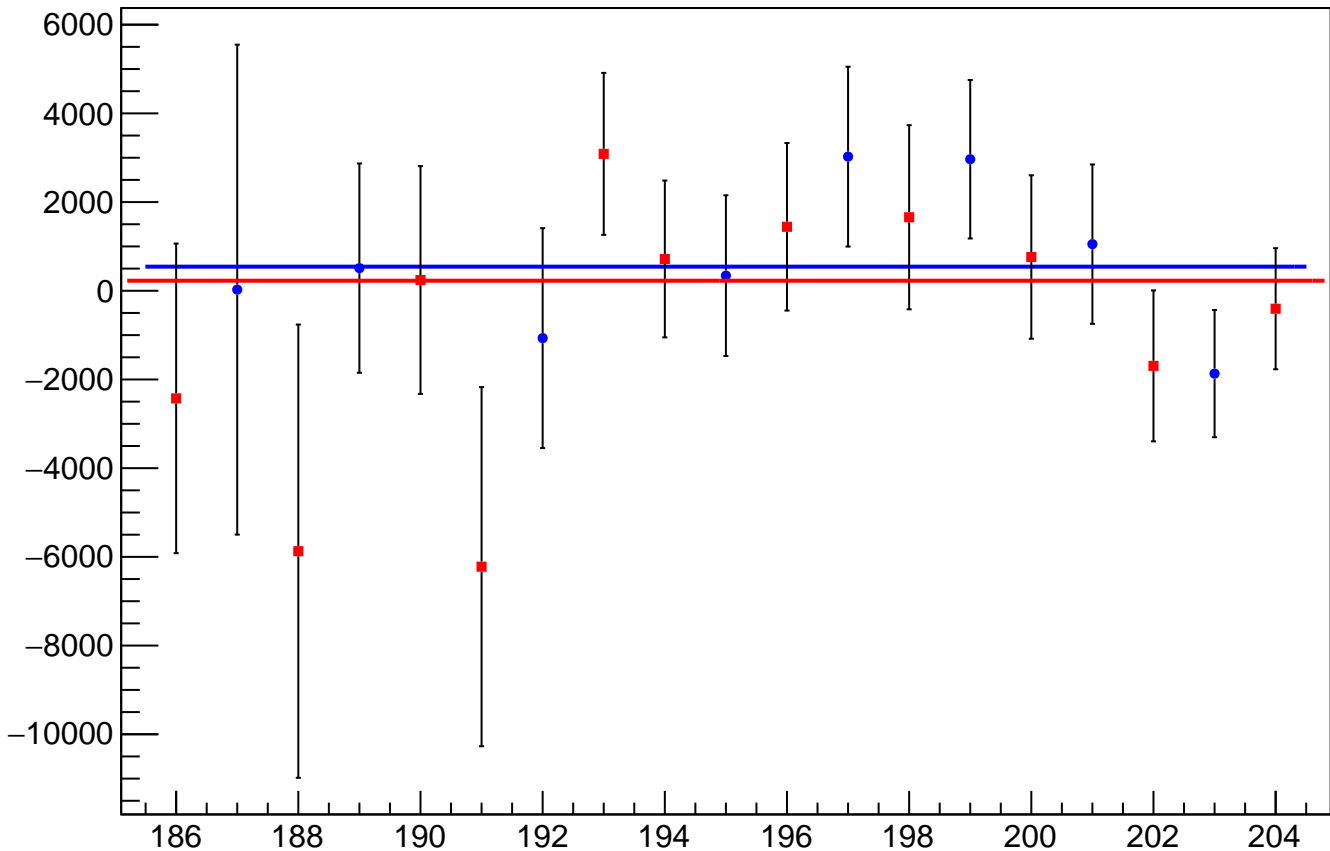
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1275.765 $\pm$ 0.263  $\chi^2$ /NDF: 11532.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_atr\_dd\_dd\_correction\_mean vs Slug



Right In: 543.783+/-701.554  $\chi^2$ /NDF: 6.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 226.950+/-615.286  $\chi^2$ /NDF: 9.5/10

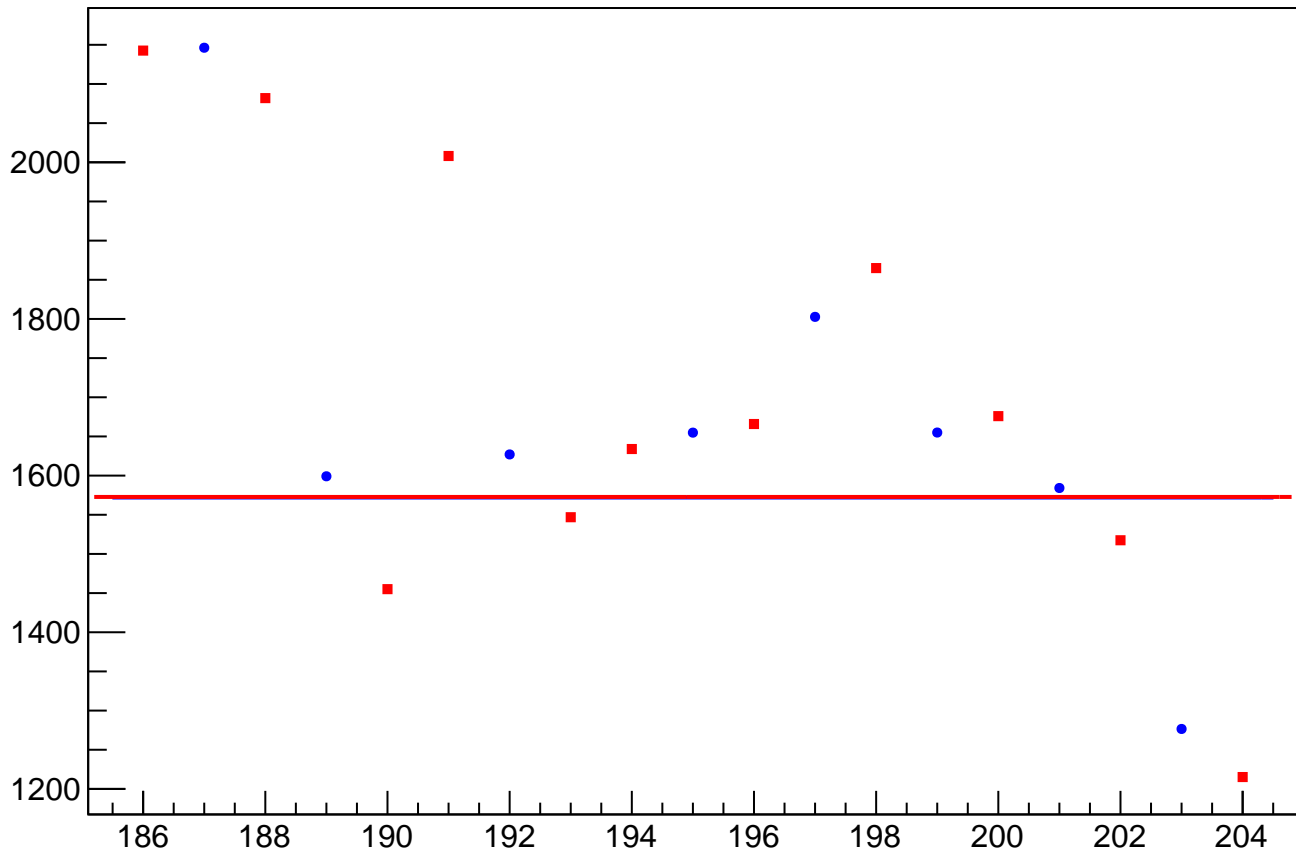
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 364.699+/-462.584  $\chi^2$ /NDF: 16.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_atr\_dd\_dd\_correction\_rms vs Slug



Right In: 1572.048 $\pm$ 0.496  $\chi^2$ /NDF: 142199.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1572.760 $\pm$ 0.435  $\chi^2$ /NDF: 293405.6/10

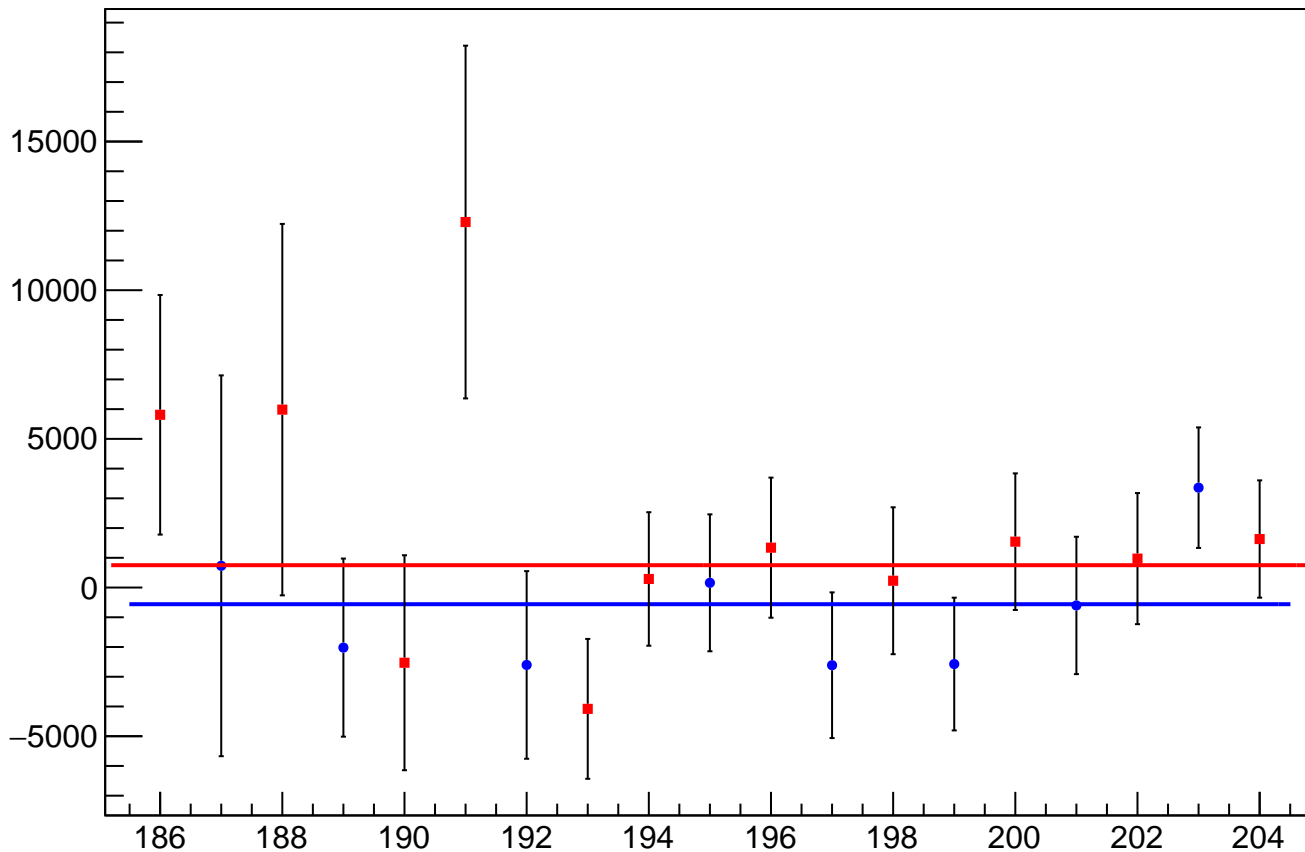
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1572.451 $\pm$ 0.327  $\chi^2$ /NDF: 435606.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_atr\_dd\_dd\_mean vs Slug



Right In: -560.459+/-904.230  $\chi^2$ /NDF: 6.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 751.368+/-798.695  $\chi^2$ /NDF: 11.6/10

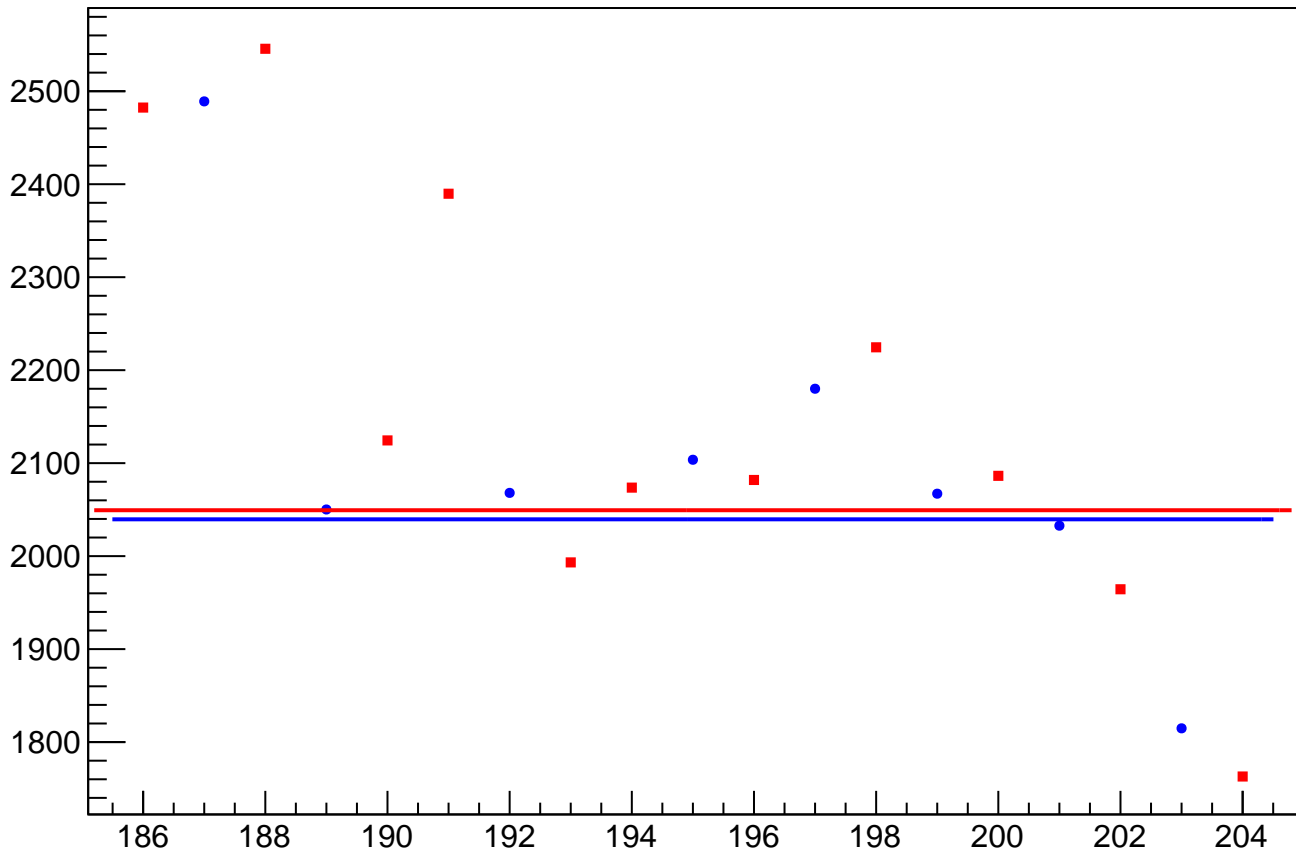
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 176.441+/-598.614  $\chi^2$ /NDF: 18.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl\_dd\_atr\_dd\_dd\_rms vs Slug



Right In: 2039.584 $\pm$ 0.639  $\chi^2$ /NDF: 43083.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2049.365 $\pm$ 0.565  $\chi^2$ /NDF: 100634.3/10

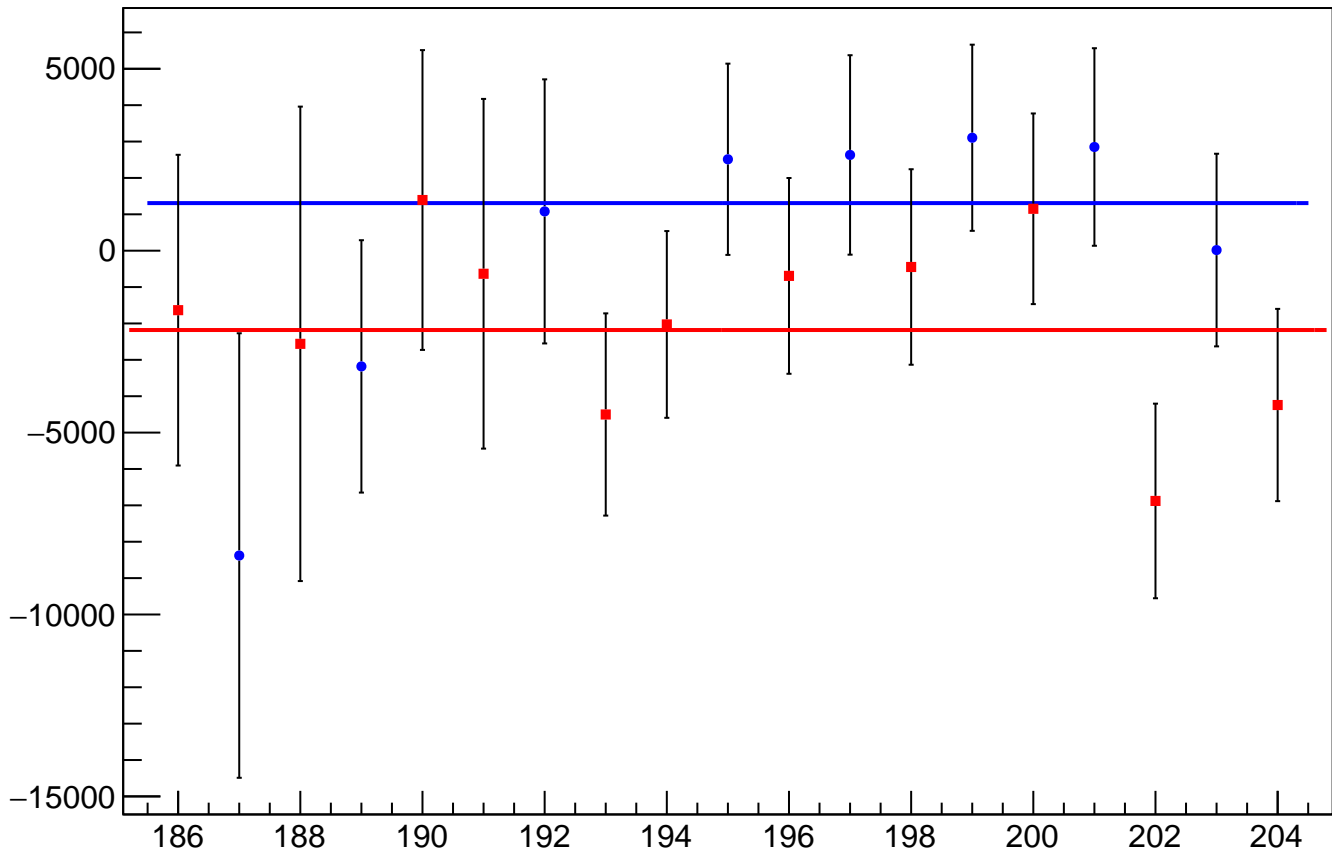
All: 2045.078 $\pm$ 0.423  $\chi^2$ /NDF: 143849.1/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_atl1\_mean vs Slug



Right In: 1308.212+/-1057.215  $\chi^2$ /NDF: 5.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2180.484+/-925.661  $\chi^2$ /NDF: 7.6/10

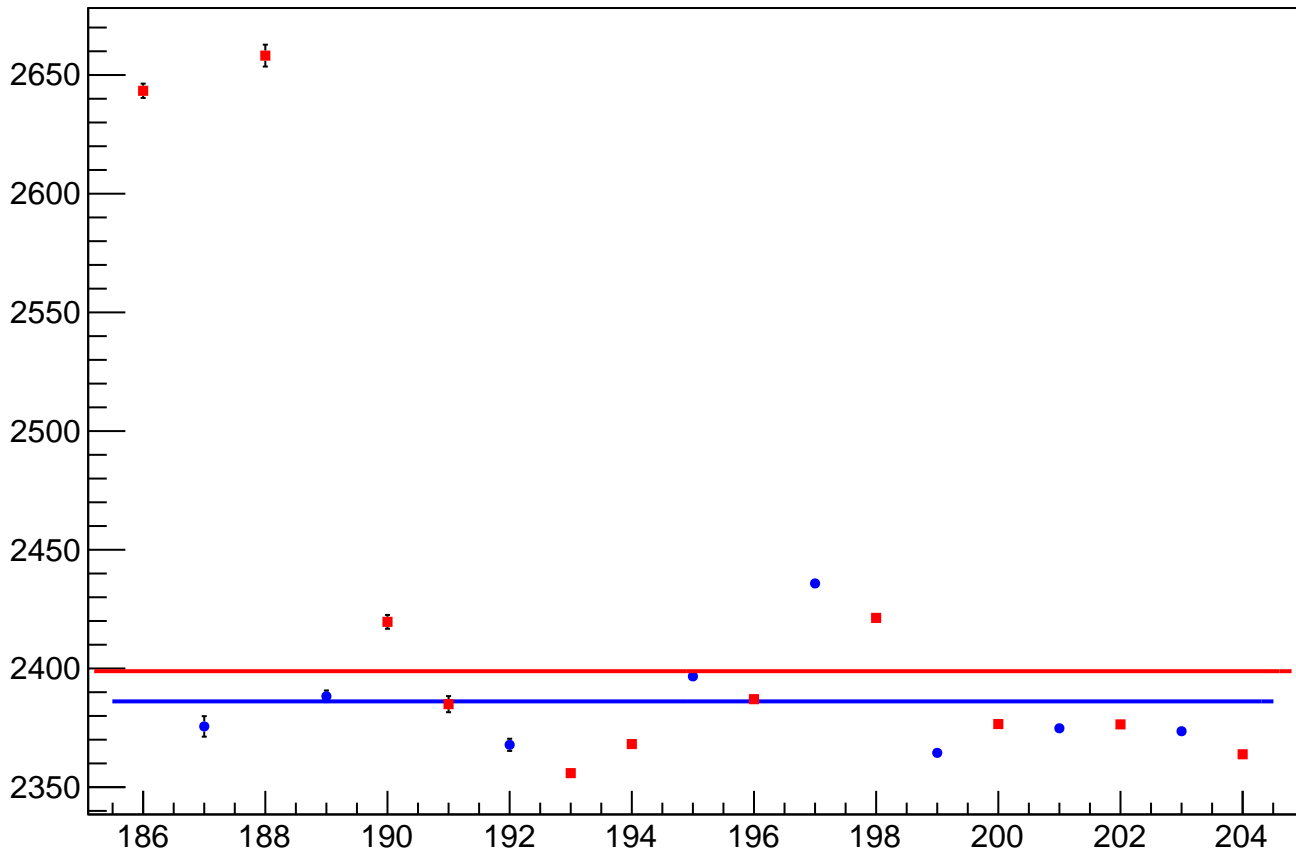
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -666.578+/-696.436  $\chi^2$ /NDF: 19.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl1\_rms vs Slug



Right In: 2386.133+/-0.748  $\chi^2$ /NDF: 970.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2398.853+/-0.655  $\chi^2$ /NDF: 11364.2/10

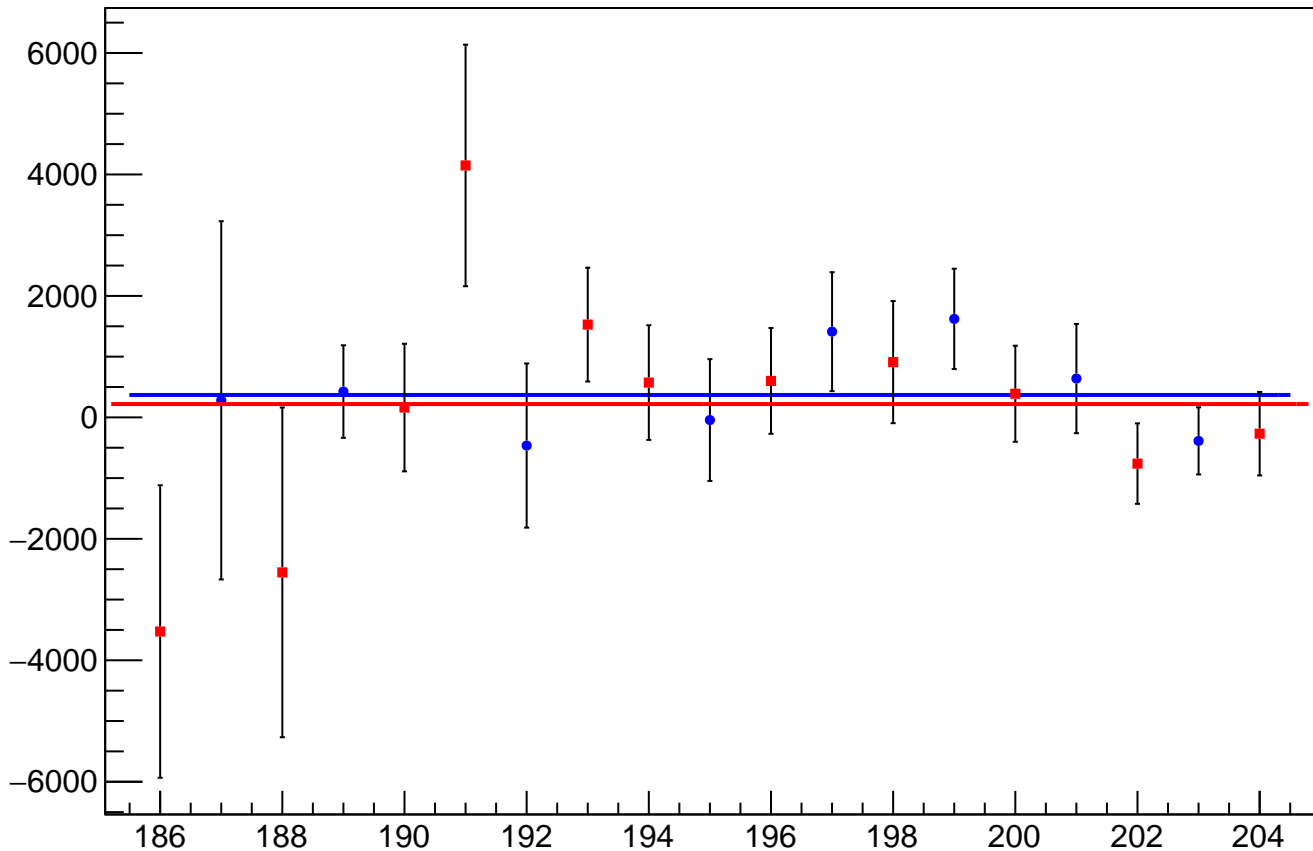
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 2393.333+/-0.492  $\chi^2$ /NDF: 12498.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl1\_correction\_mean vs Slug



Right In: 369.110+/-310.160  $\chi^2$ /NDF: 6.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 219.125+/-288.325  $\chi^2$ /NDF: 12.9/10

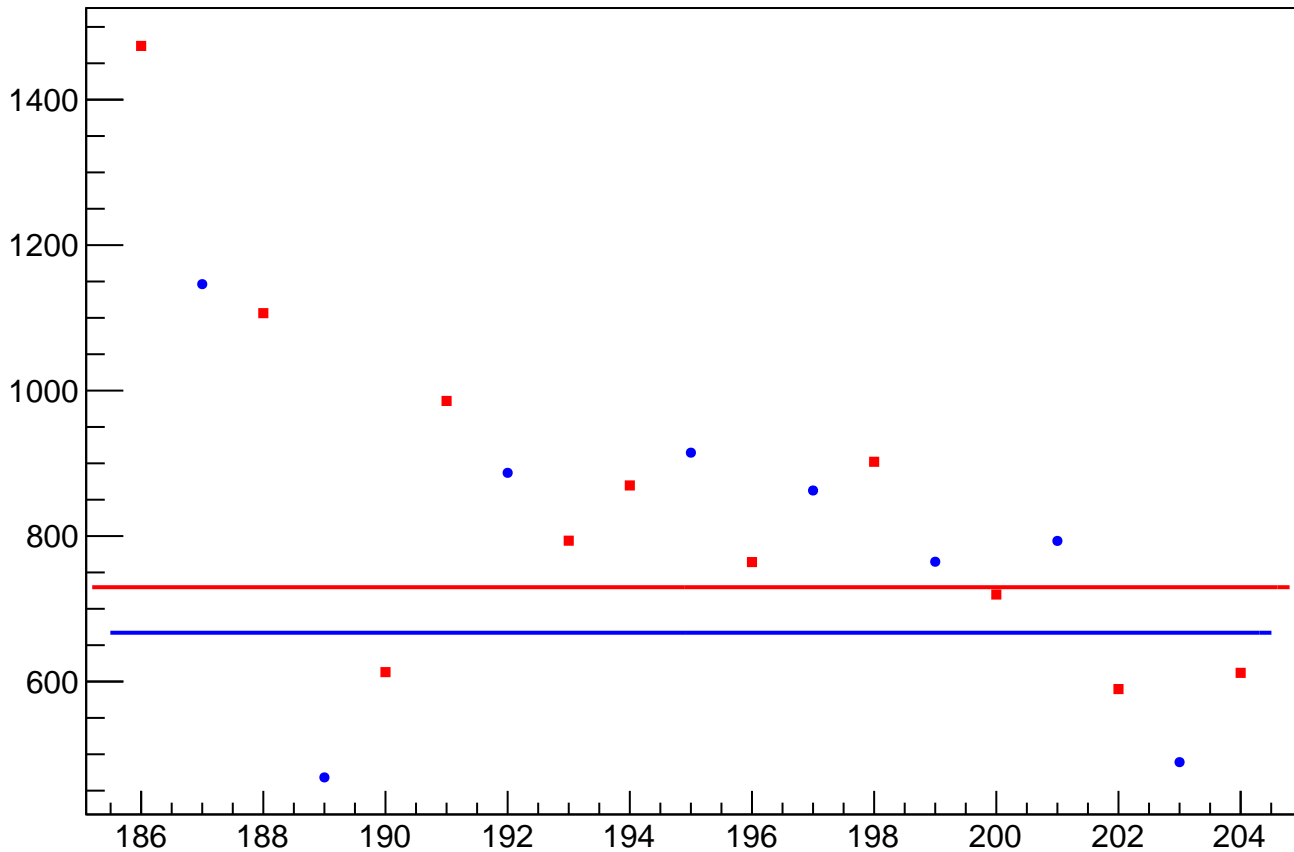
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 288.653+/-211.174  $\chi^2$ /NDF: 18.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl1\_correction\_rms vs Slug



Right In: 667.106+/-0.219  $\chi^2/\text{NDF}$ : 718128.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 729.695+/-0.204  $\chi^2/\text{NDF}$ : 550920.0/10

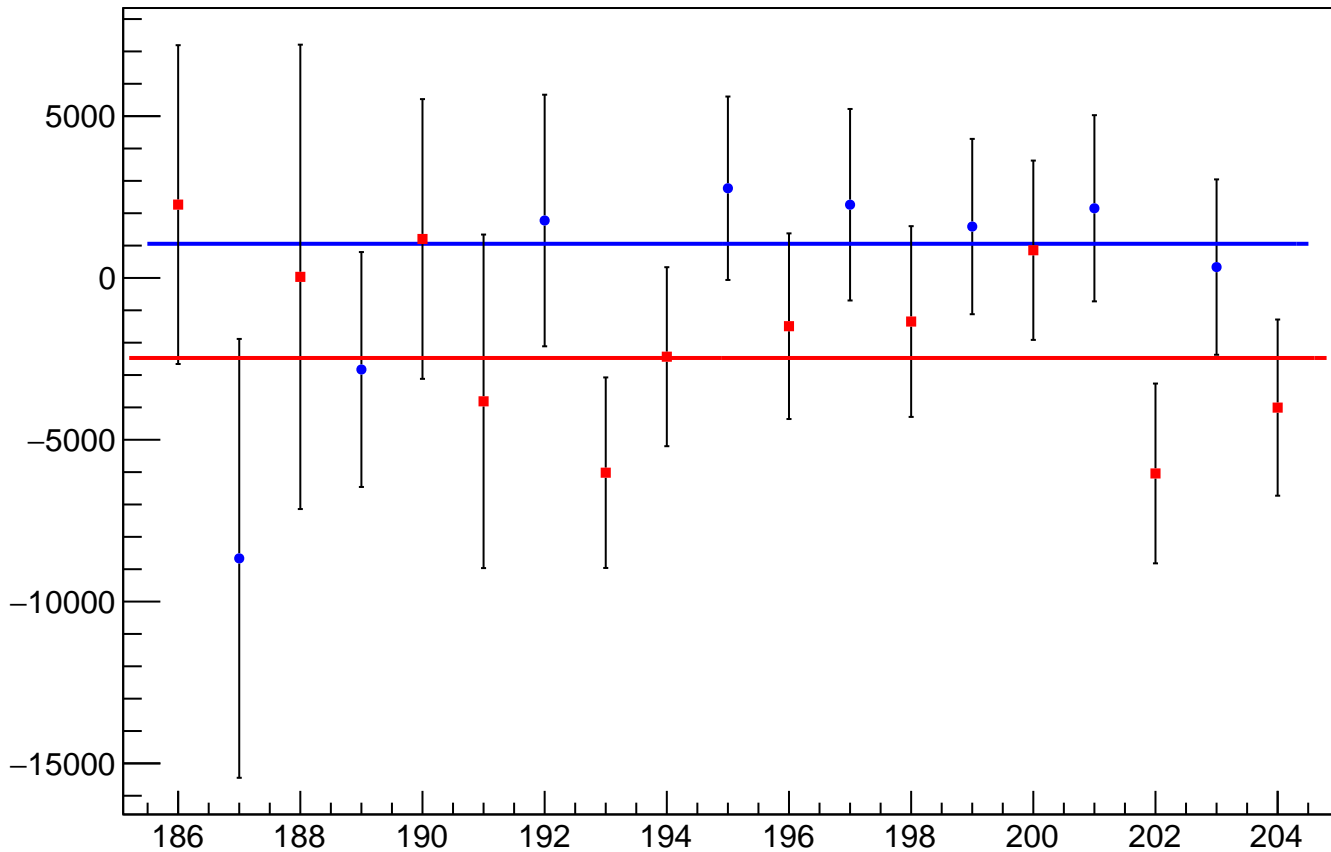
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 700.681+/-0.149  $\chi^2/\text{NDF}$ : 1312737.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl1\_mean vs Slug



Right In: 1055.827+/-1120.910  $\chi^2$ /NDF: 4.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2472.734+/-985.585  $\chi^2$ /NDF: 7.0/10

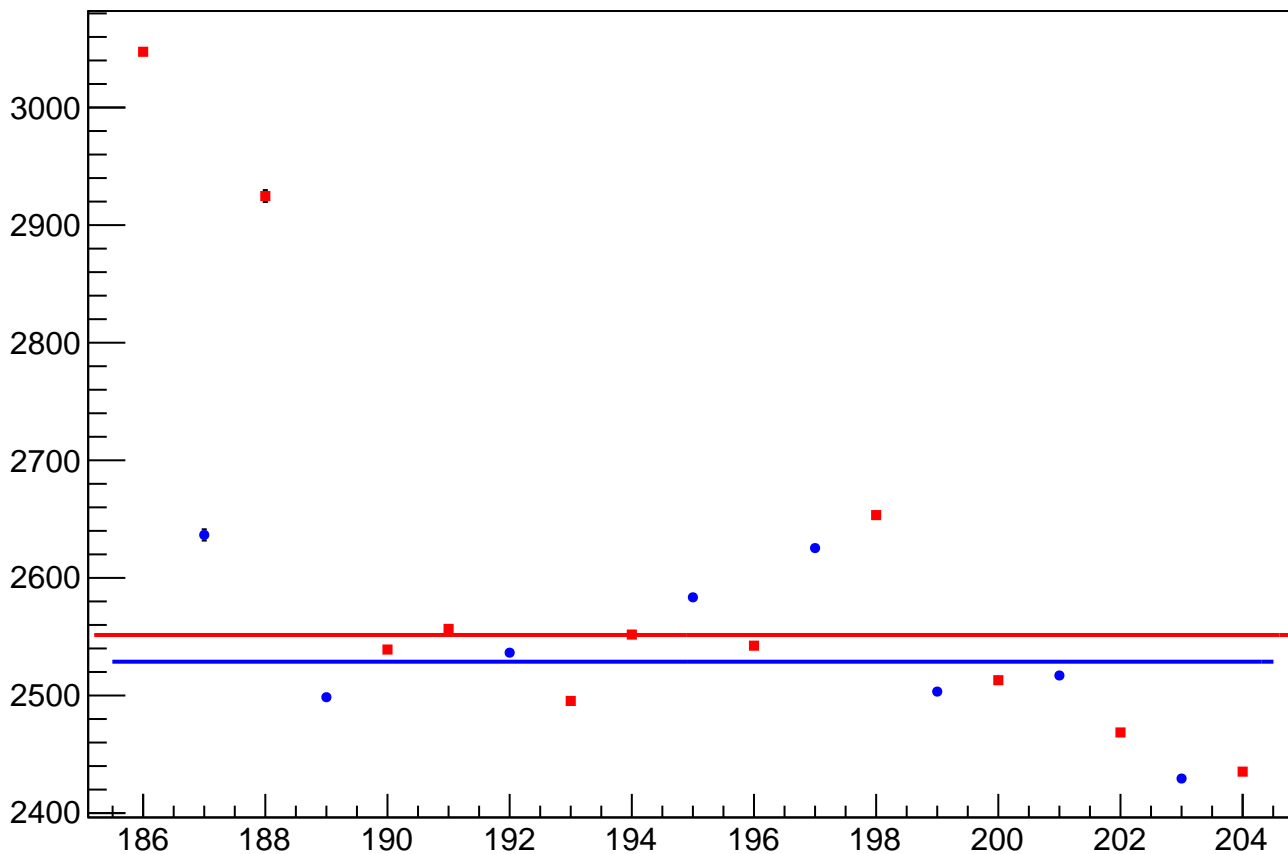
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -934.203+/-740.159  $\chi^2$ /NDF: 16.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl1\_rms vs Slug



Right In: 2528.747 $\pm$ 0.793  $\chi^2$ /NDF: 6429.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2551.462 $\pm$ 0.697  $\chi^2$ /NDF: 34653.7/10

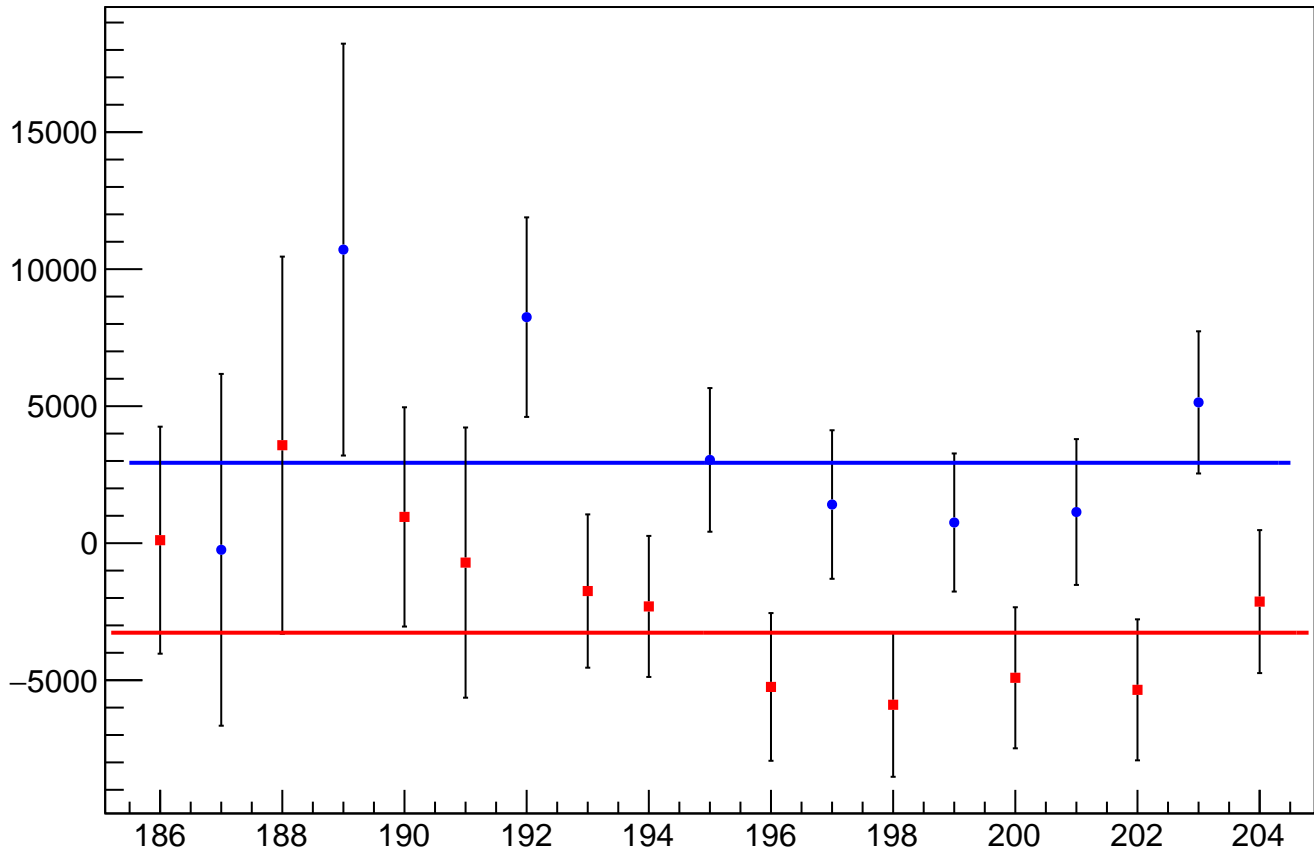
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2541.558 $\pm$ 0.523  $\chi^2$ /NDF: 41546.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl2\_mean vs Slug



Right In: 2933.857 $\pm$ 1087.031  $\chi^2$ /NDF: 5.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -3266.781 $\pm$ 915.549  $\chi^2$ /NDF: 6.3/10

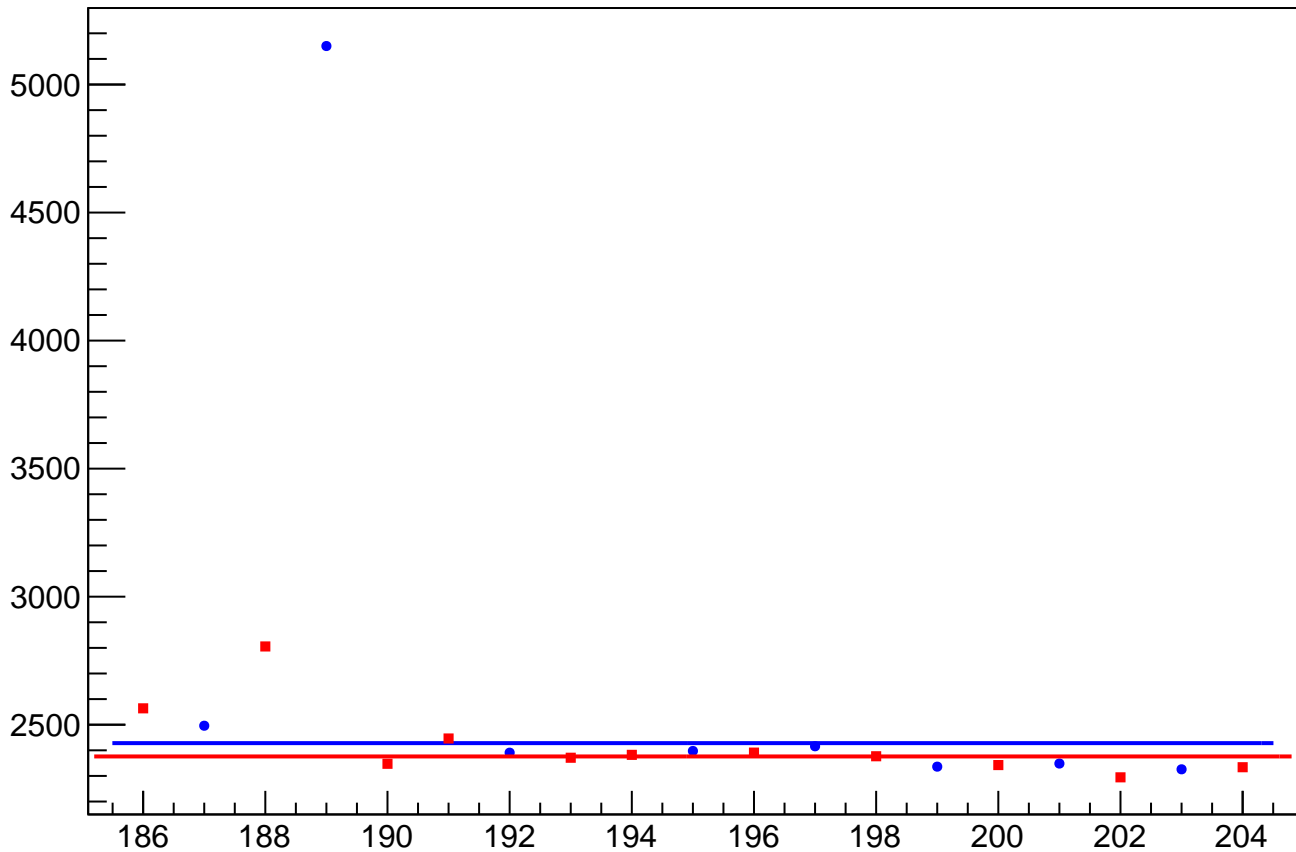
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -693.561 $\pm$ 700.265  $\chi^2$ /NDF: 31.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atl2\_rms vs Slug



Right In: 2428.079 $\pm$ 0.769  $\chi^2$ /NDF: 270726.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2376.061 $\pm$ 0.647  $\chi^2$ /NDF: 15364.7/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

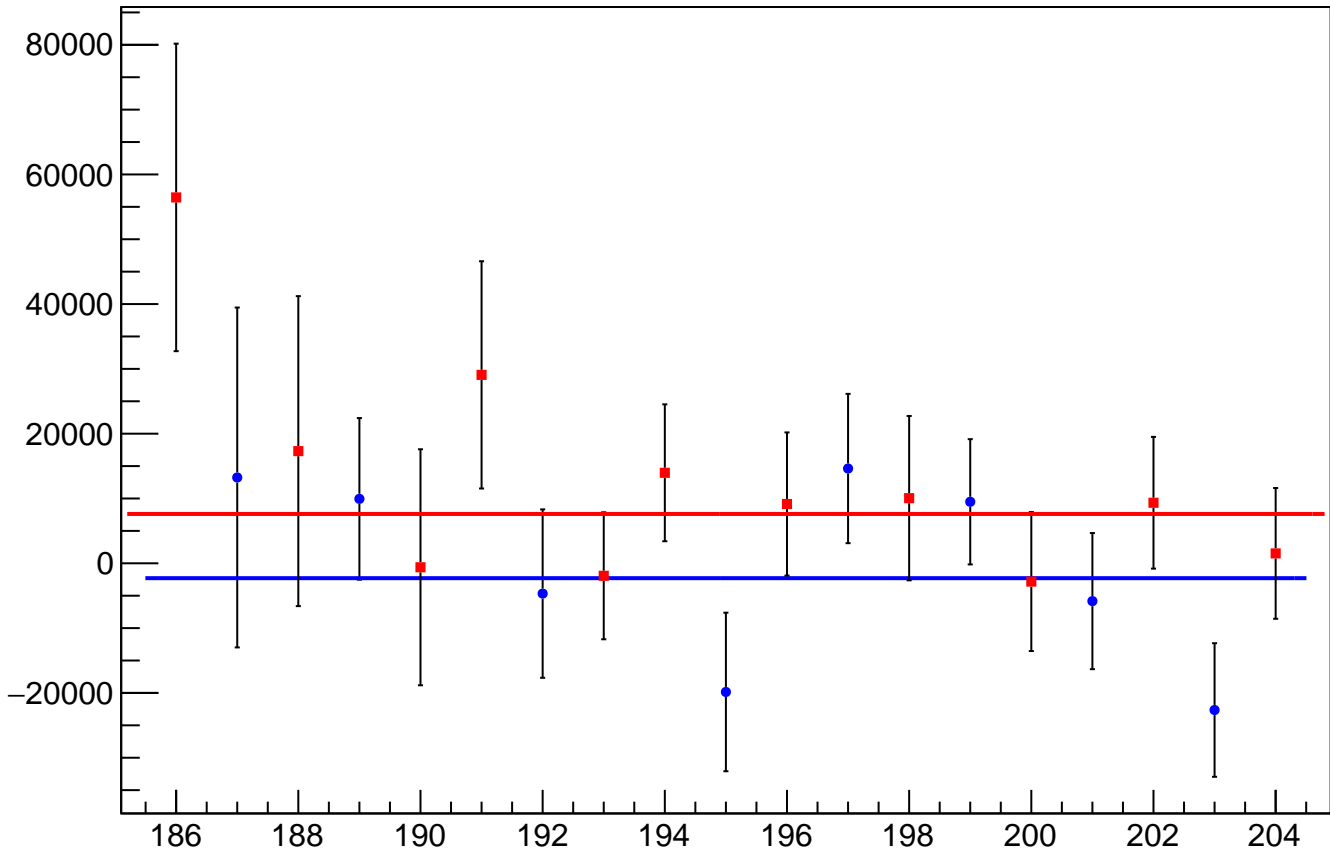
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2397.648 $\pm$ 0.495  $\chi^2$ /NDF: 288770.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_atl2\_correction\_mean vs Slug



Right In:  $-2294.238 \pm 4180.476$   $\chi^2/\text{NDF}$ : 11.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $7615.997 \pm 3731.877$   $\chi^2/\text{NDF}$ : 8.8/10

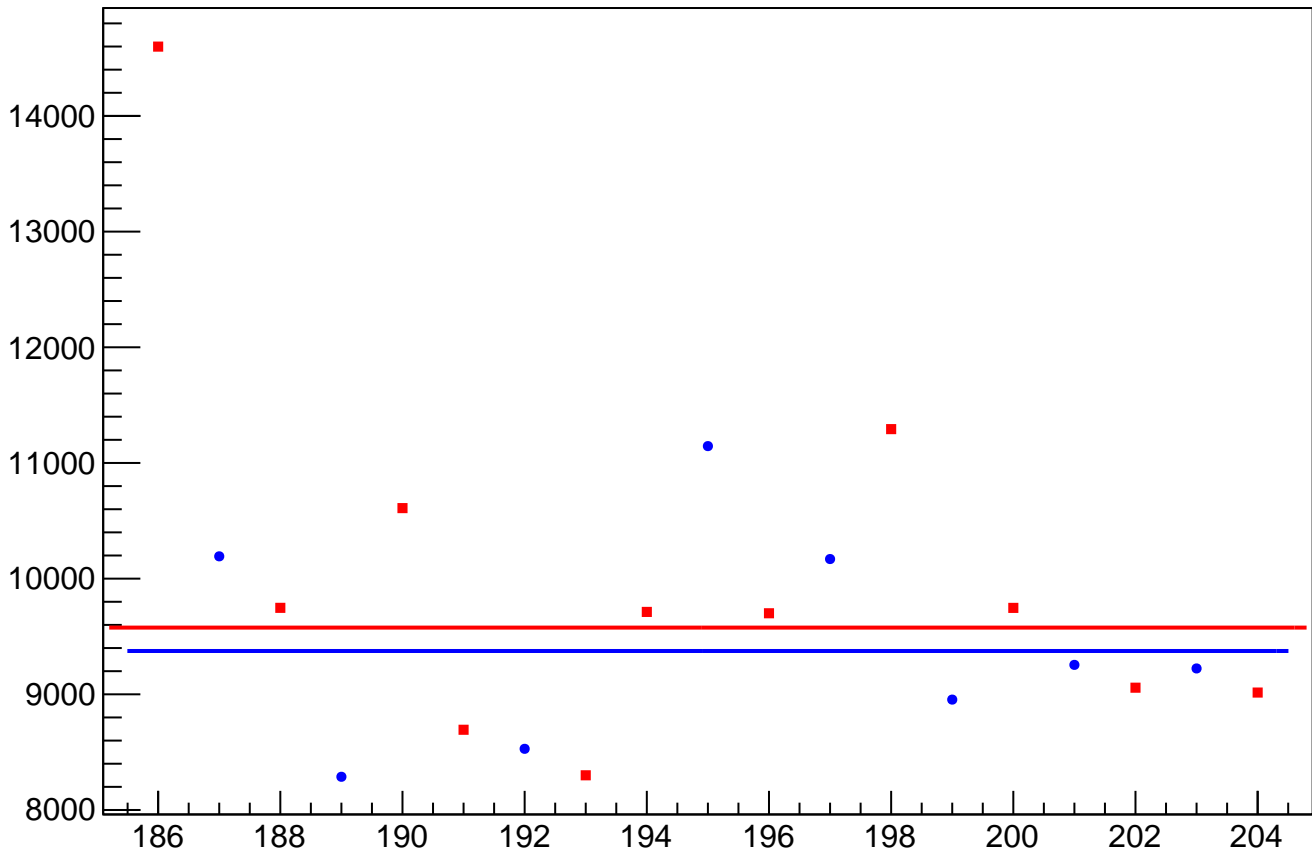
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $3220.950 \pm 2783.976$   $\chi^2/\text{NDF}$ : 23.0/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atl2\_correction\_rms vs Slug



Right In: 9374.560+/-2.956  $\chi^2$ /NDF: 81555.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

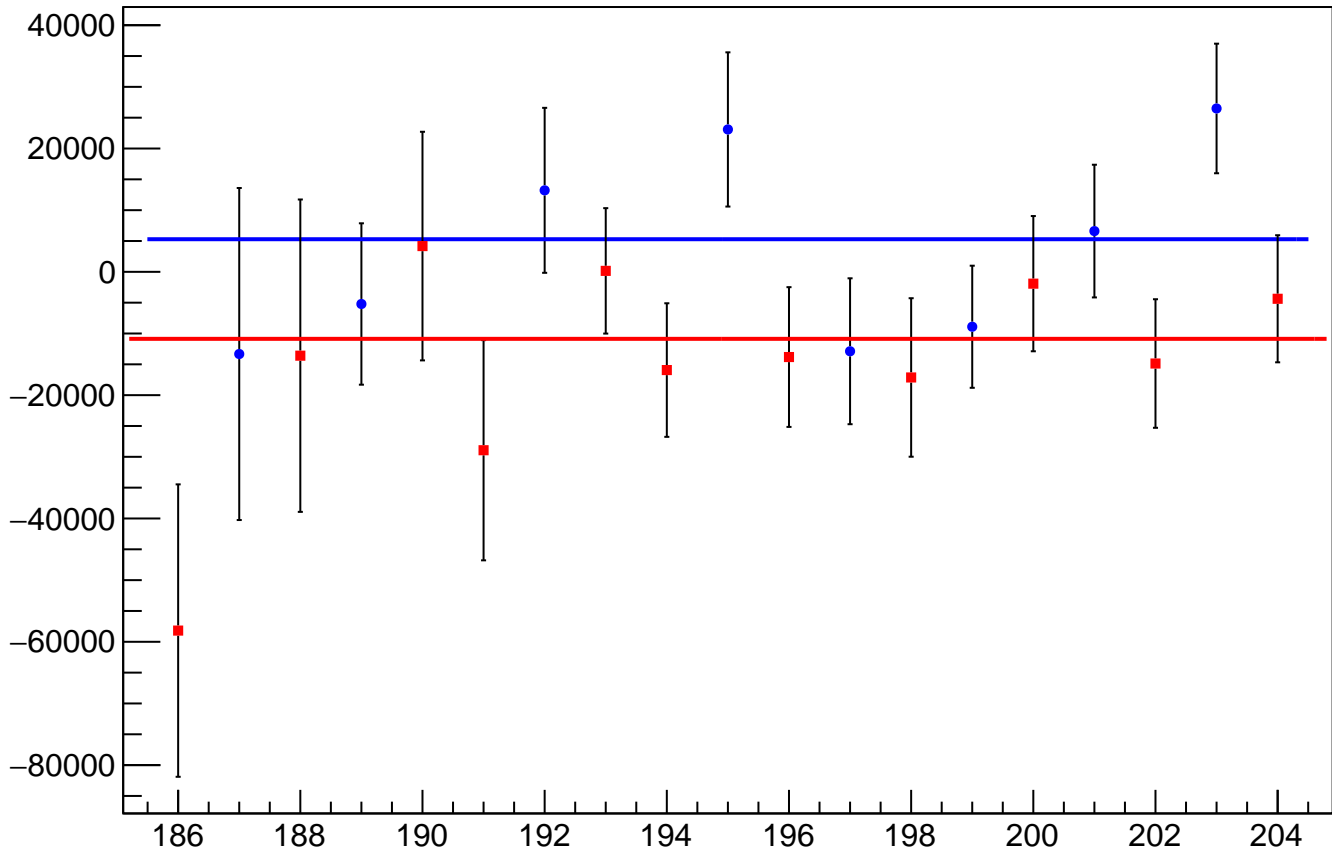
Right Out: 9576.758+/-2.639  $\chi^2$ /NDF: 184359.6/10

All: 9487.086+/-1.969  $\chi^2$ /NDF: 268518.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

# asym\_atl2\_mean vs Slug



Right In: 5289.293+/-4293.978  $\chi^2$ /NDF: 12.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

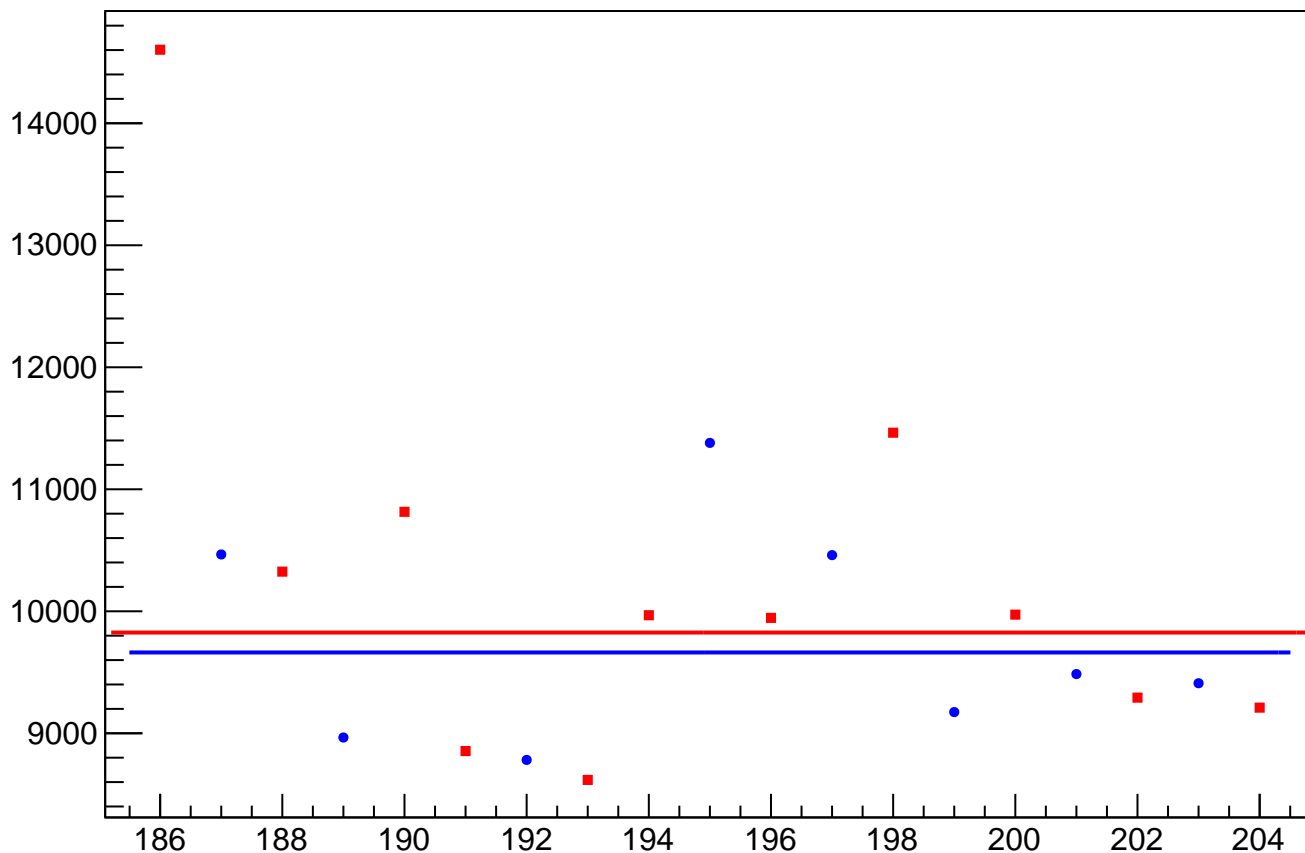
Right Out: -10866.206+/-3825.204  $\chi^2$ /NDF: 8.6/10

All: -3718.121+/-2856.238  $\chi^2$ /NDF: 28.5/18

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atl2\_rms vs Slug



Right In: 9662.543+/-3.036  $\chi^2/\text{NDF}$ : 69514.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9825.776+/-2.705  $\chi^2/\text{NDF}$ : 167543.7/10

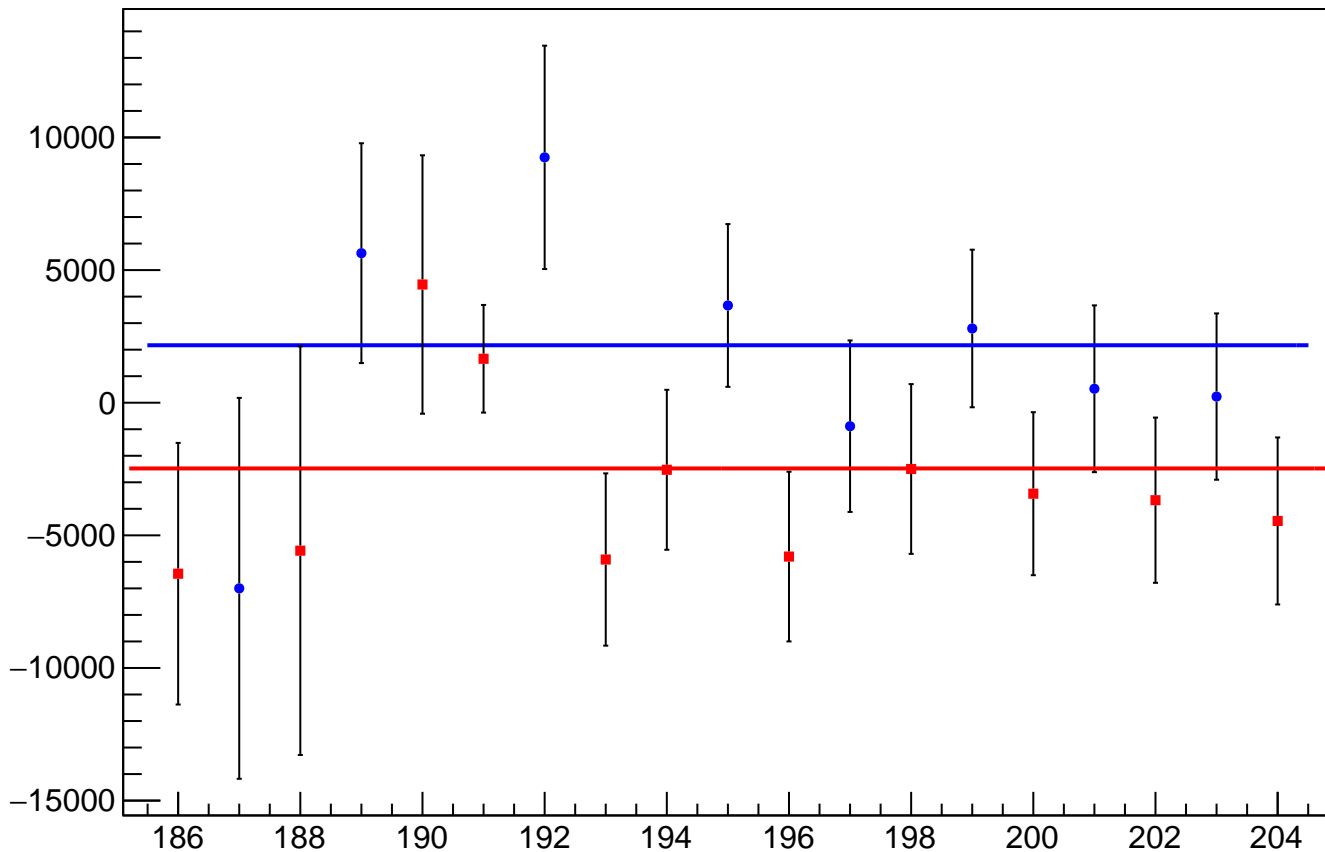
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9753.553+/-2.020  $\chi^2/\text{NDF}$ : 238669.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_atr1\_mean vs Slug



Right In: 2166.587 $\pm$ 1238.238  $\chi^2$ /NDF: 7.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2478.302 $\pm$ 974.492  $\chi^2$ /NDF: 9.8/10

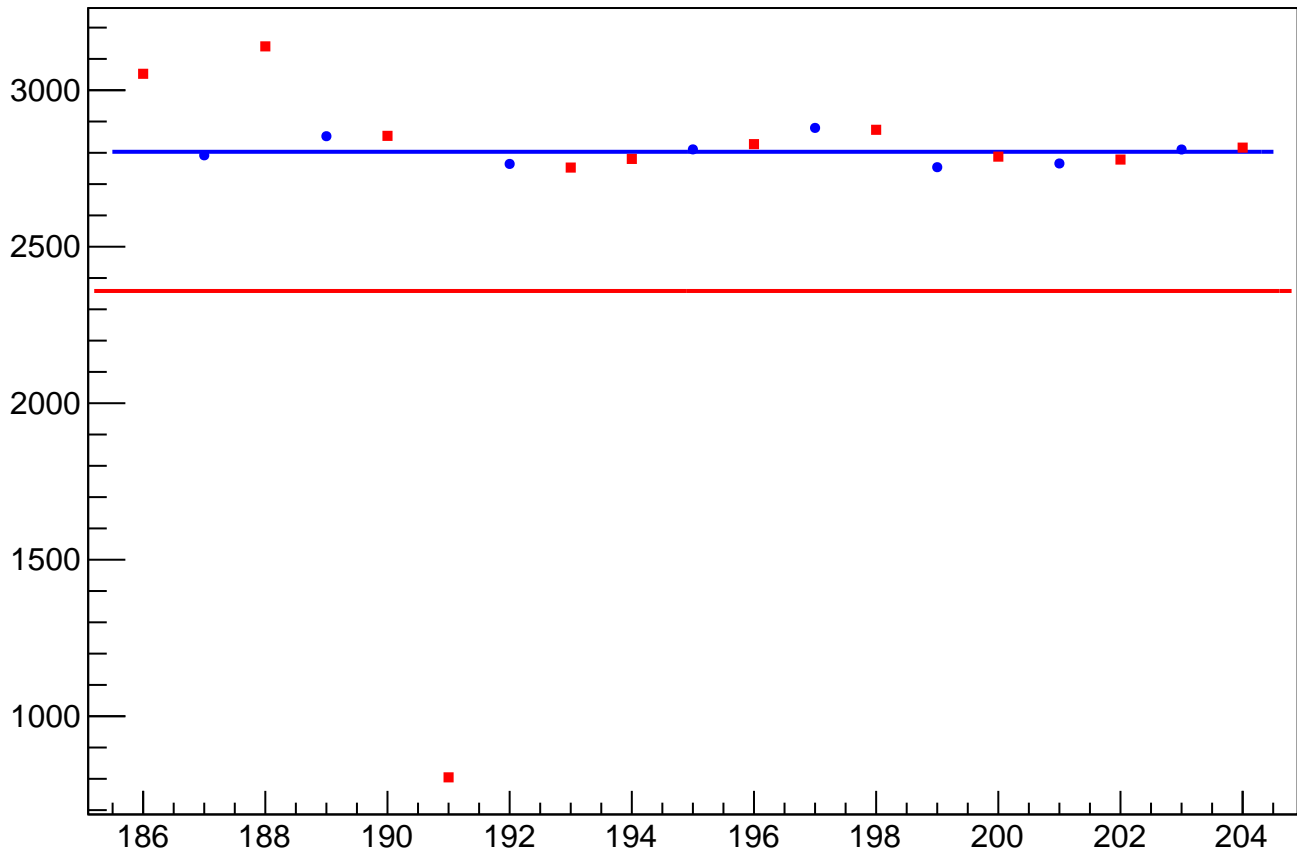
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -701.748 $\pm$ 765.783  $\chi^2$ /NDF: 25.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atr1\_rms vs Slug



Right In: 2803.271 $\pm$ 0.876  $\chi^2$ /NDF: 2432.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

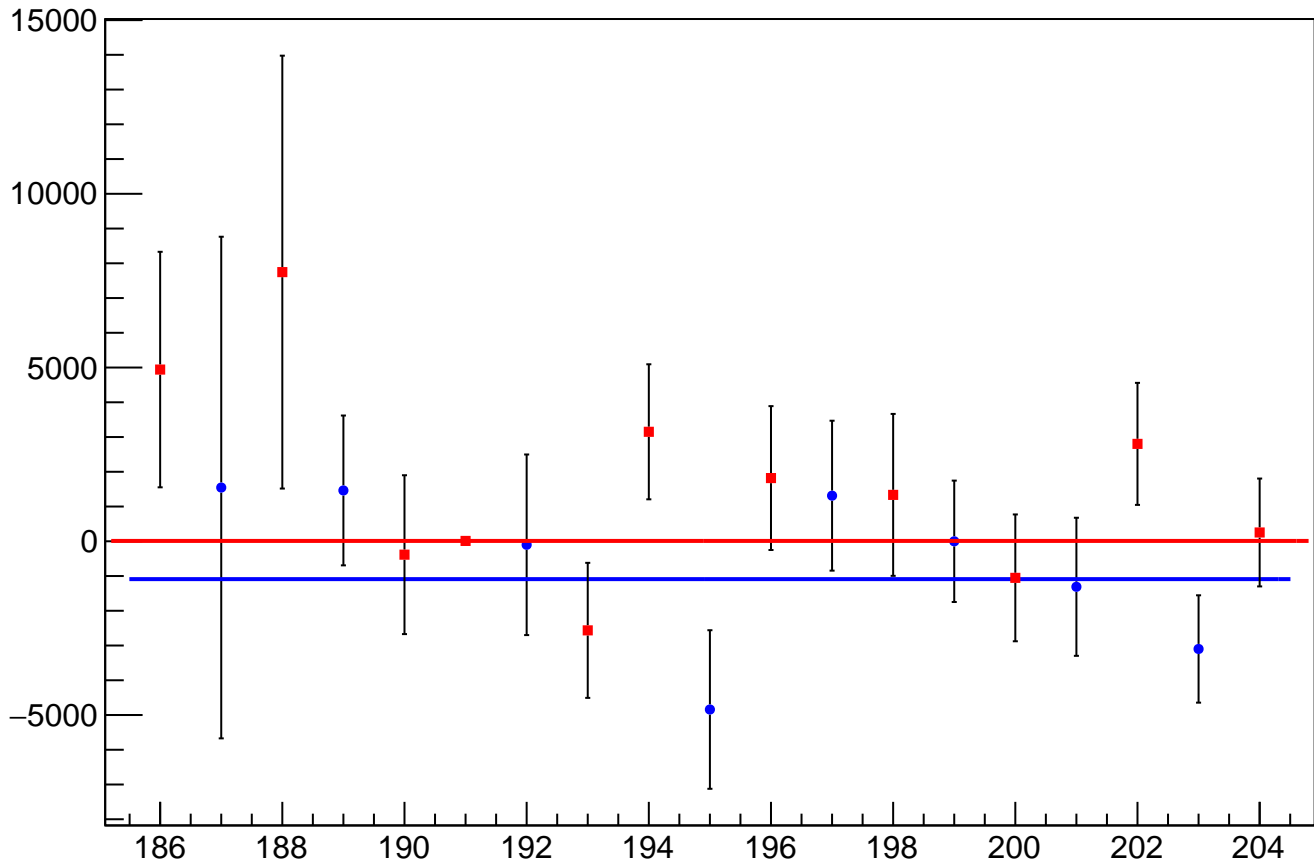
Right Out: 2358.582 $\pm$ 0.689  $\chi^2$ /NDF: 1534967.1/10

All: 2528.664 $\pm$ 0.541  $\chi^2$ /NDF: 1696690.0/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr1\_correction\_mean vs Slug



Right In:  $-1089.290 \pm 747.576$   $\chi^2/\text{NDF}: 7.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $10.143 \pm 7.794$   $\chi^2/\text{NDF}: 12.0/10$

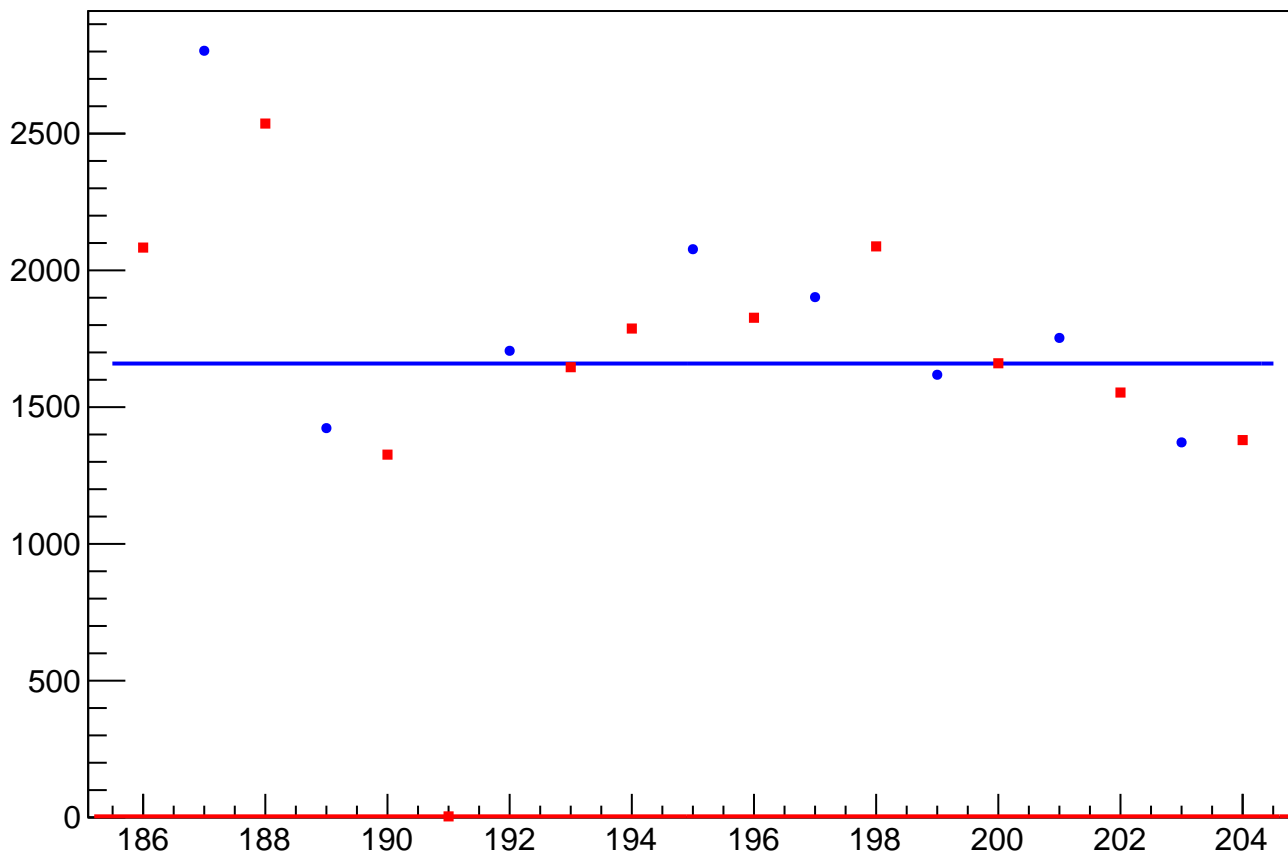
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $10.024 \pm 7.794$   $\chi^2/\text{NDF}: 21.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_atr1\_correction\_rms vs Slug



Right In: 1659.406 $\pm$ 0.529  $\chi^2$ /NDF: 242425.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.097 $\pm$ 0.006  $\chi^2$ /NDF: 12790827.7/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

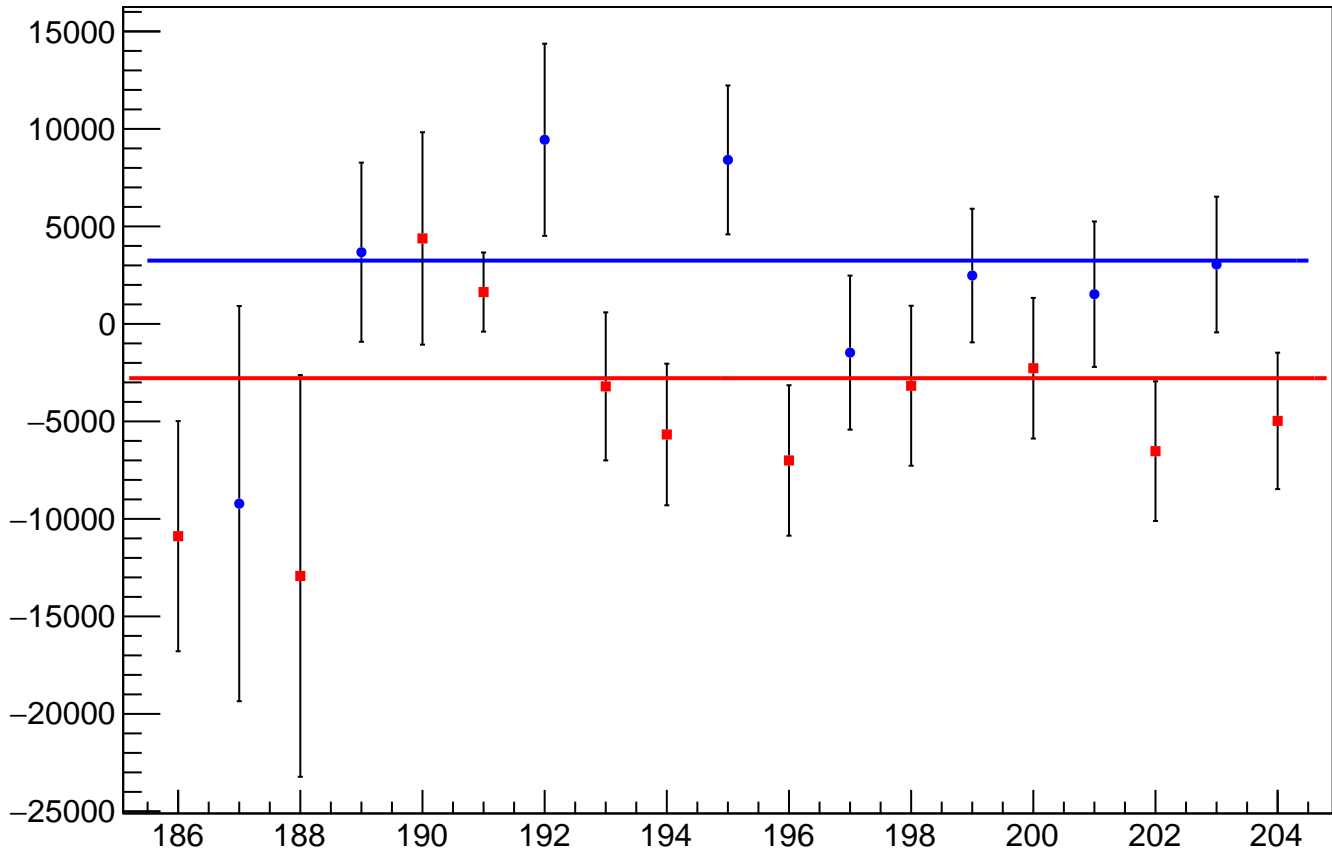
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.276 $\pm$ 0.006  $\chi^2$ /NDF: 22837876.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_atr1\_mean vs Slug



Right In: 3246.643+/-1457.688  $\chi^2$ /NDF: 6.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

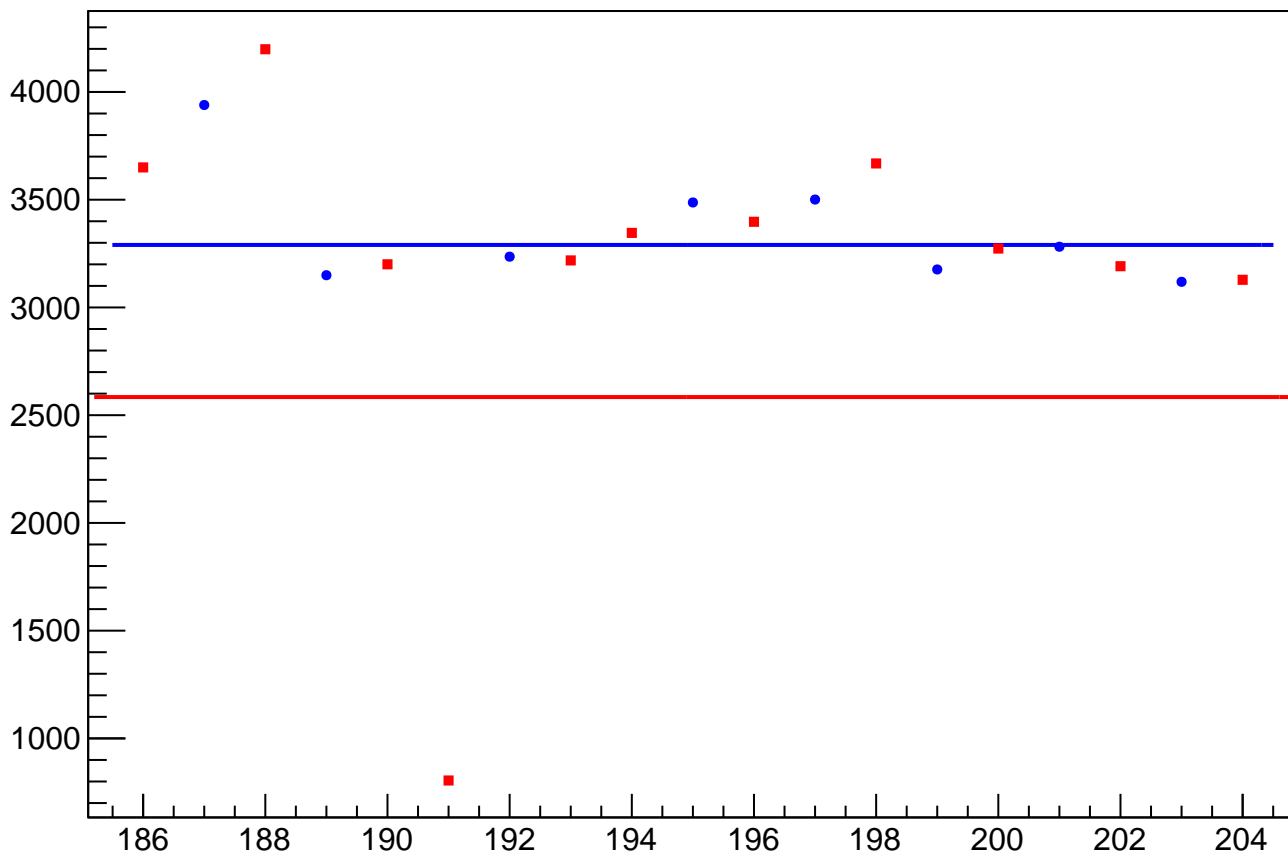
Right Out: -2783.790+/-1102.187  $\chi^2$ /NDF: 12.7/10

All: -590.201+/-879.160  $\chi^2$ /NDF: 30.2/18

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr1\_rms vs Slug



Right In: 3290.134 $\pm$ 1.031  $\chi^2$ /NDF: 28398.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2584.150 $\pm$ 0.779  $\chi^2$ /NDF: 2229641.0/10

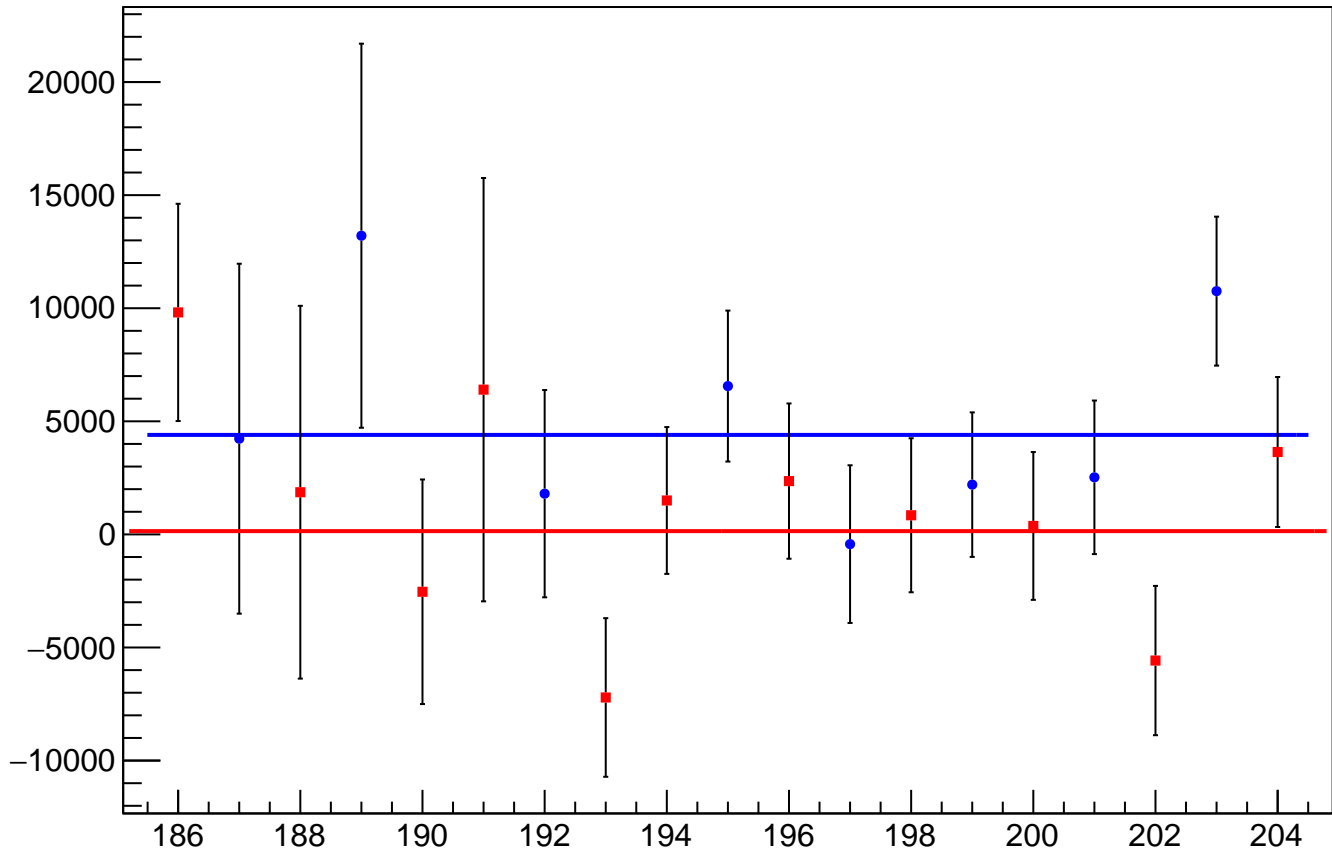
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2840.954 $\pm$ 0.622  $\chi^2$ /NDF: 2556520.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atr2\_mean vs Slug



Right In: 4399.038+/-1377.241  $\chi^2$ /NDF: 8.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 145.165+/-1167.377  $\chi^2$ /NDF: 14.0/10

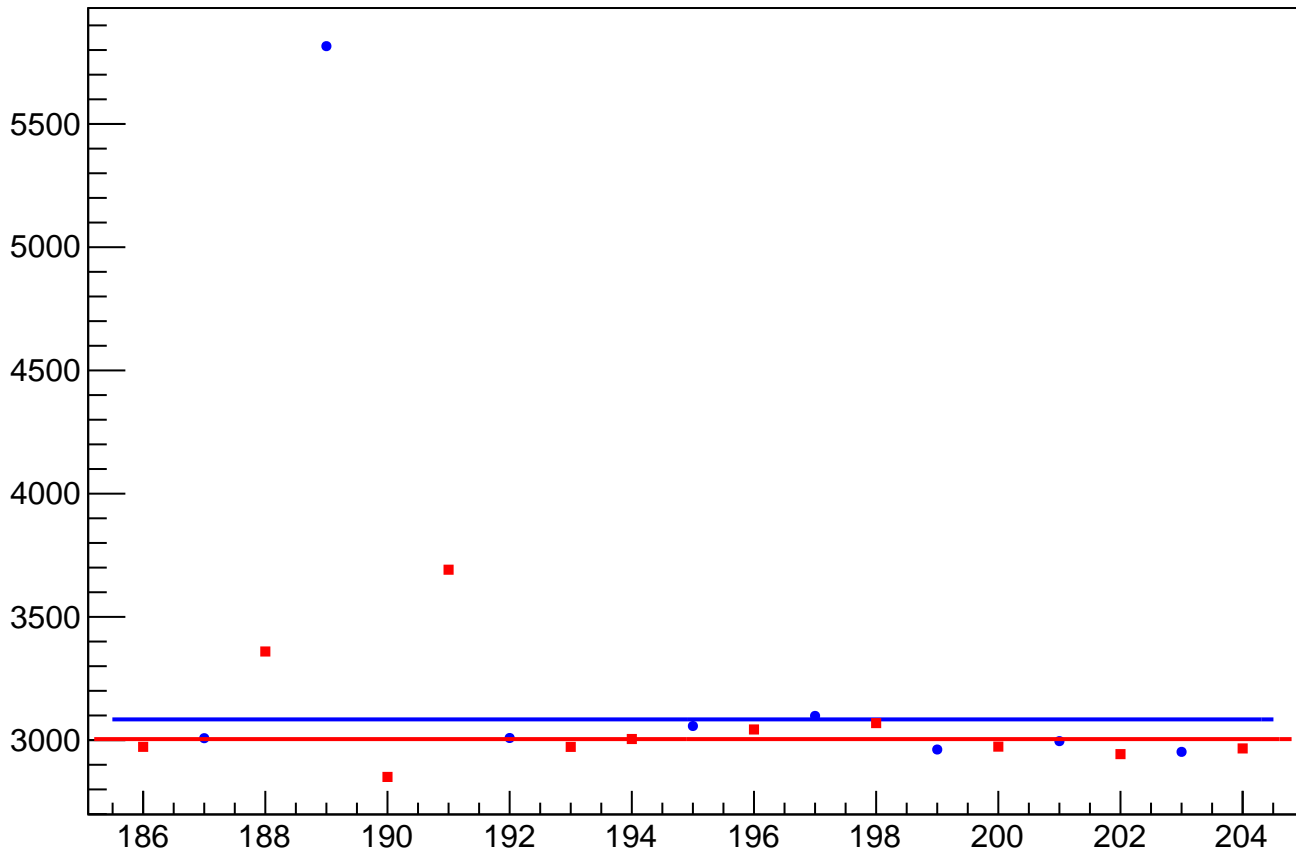
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1923.639+/-890.515  $\chi^2$ /NDF: 27.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_atr2\_rms vs Slug



Right In: 3084.107 $\pm$ 0.974  $\chi^2$ /NDF: 215368.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3004.144 $\pm$ 0.825  $\chi^2$ /NDF: 18771.5/10

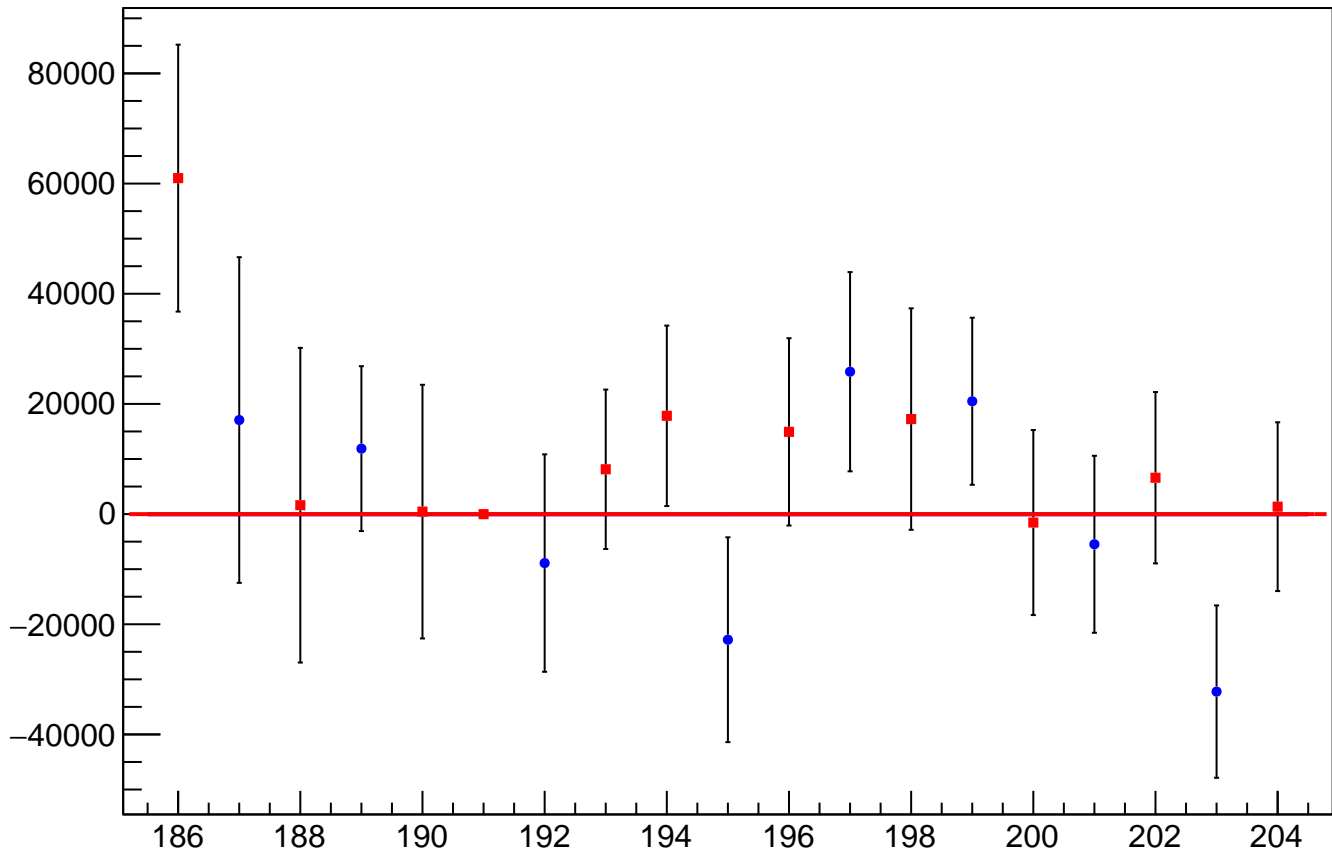
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3037.575 $\pm$ 0.630  $\chi^2$ /NDF: 238063.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr2\_correction\_mean vs Slug



Right In:  $-37.484 \pm 6150.529$   $\chi^2/\text{NDF}$ : 10.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-9.519 \pm 79.123$   $\chi^2/\text{NDF}$ : 9.6/10

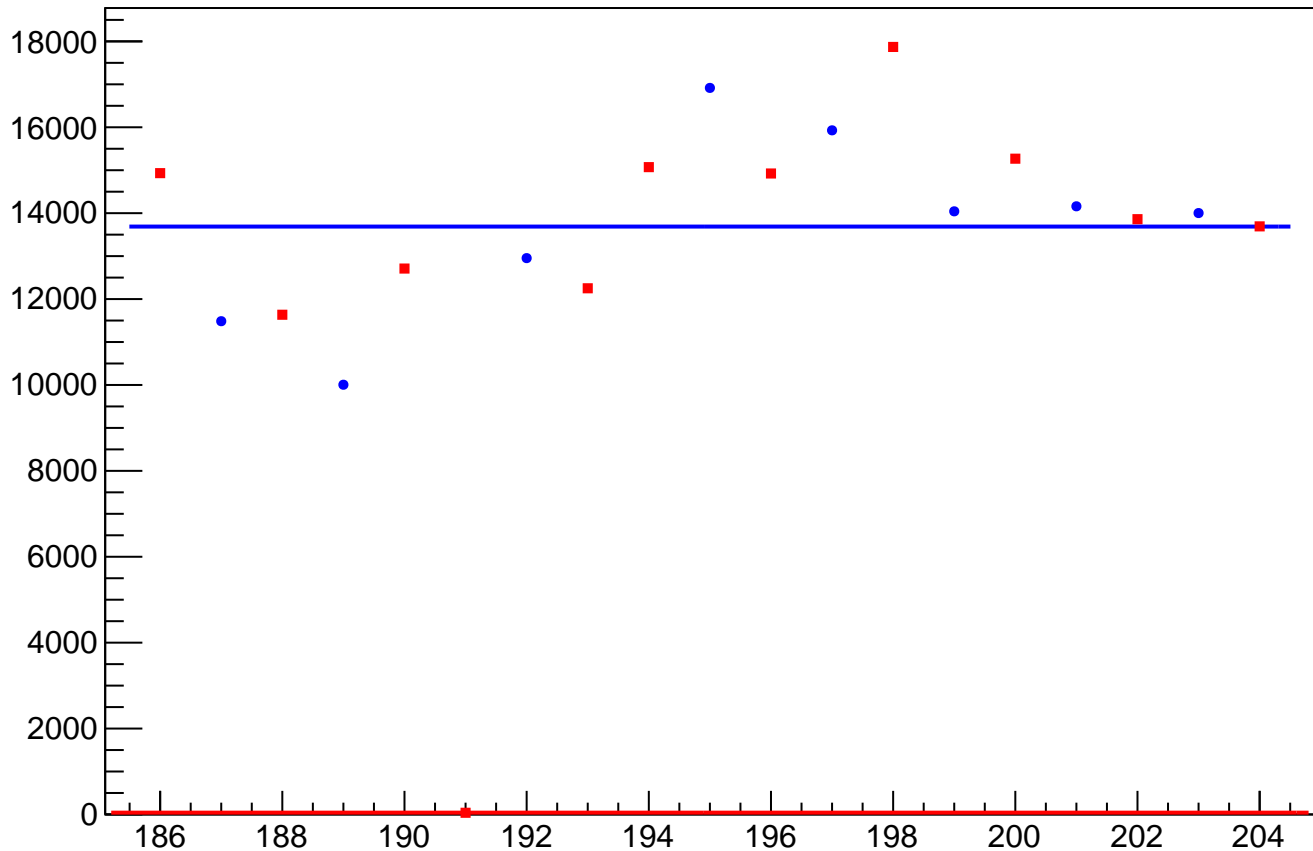
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-9.524 \pm 79.116$   $\chi^2/\text{NDF}$ : 20.5/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_atr2\_correction\_rms vs Slug



Right In: 13688.052 $\pm$ 4.349  $\chi^2$ /NDF: 229600.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

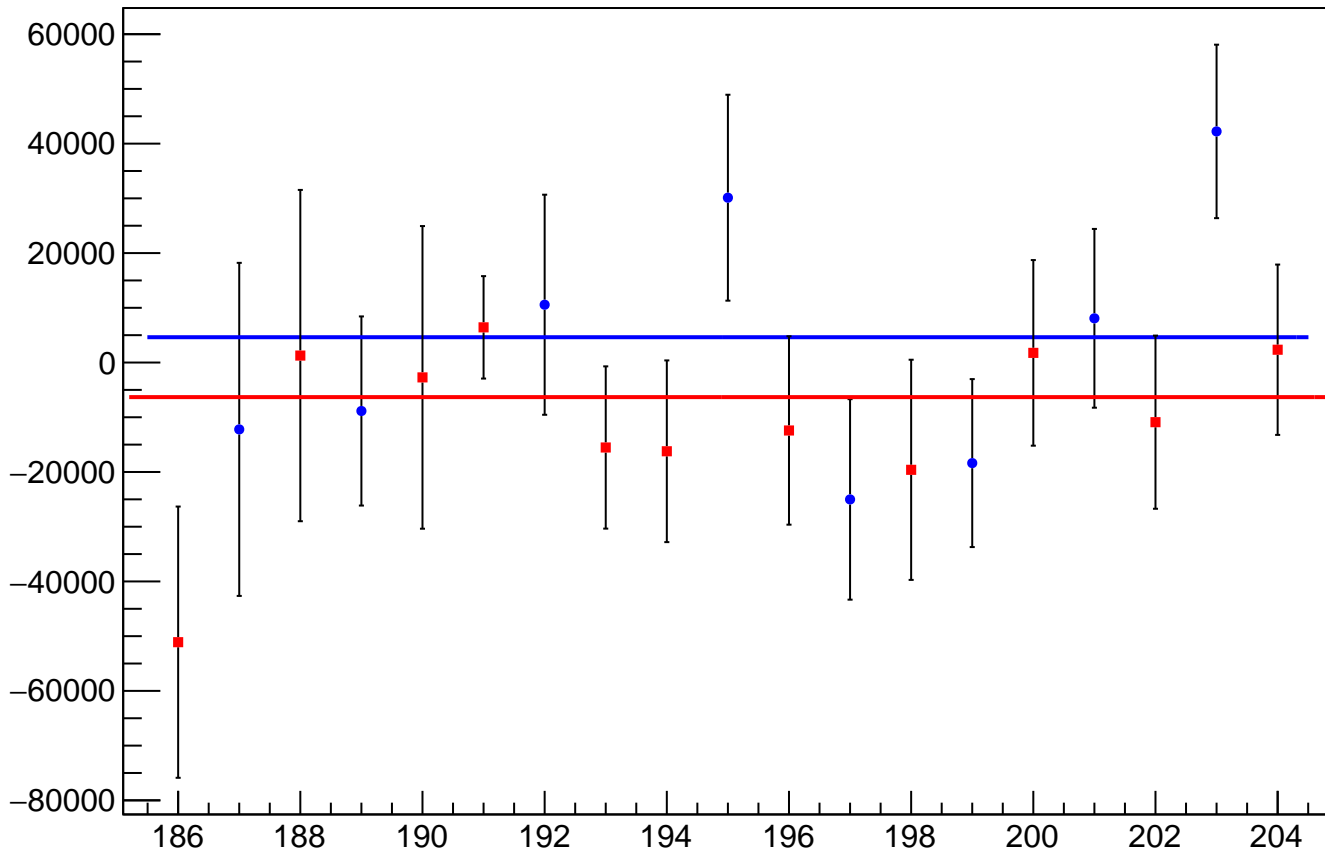
Right Out: 42.037 $\pm$ 0.056  $\chi^2$ /NDF: 12717318.5/10

All: 44.295 $\pm$ 0.056  $\chi^2$ /NDF: 22790312.9/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr2\_mean vs Slug



Right In: 4626.907+/-6365.213  $\chi^2$ /NDF: 13.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -6319.118+/-4934.423  $\chi^2$ /NDF: 7.1/10

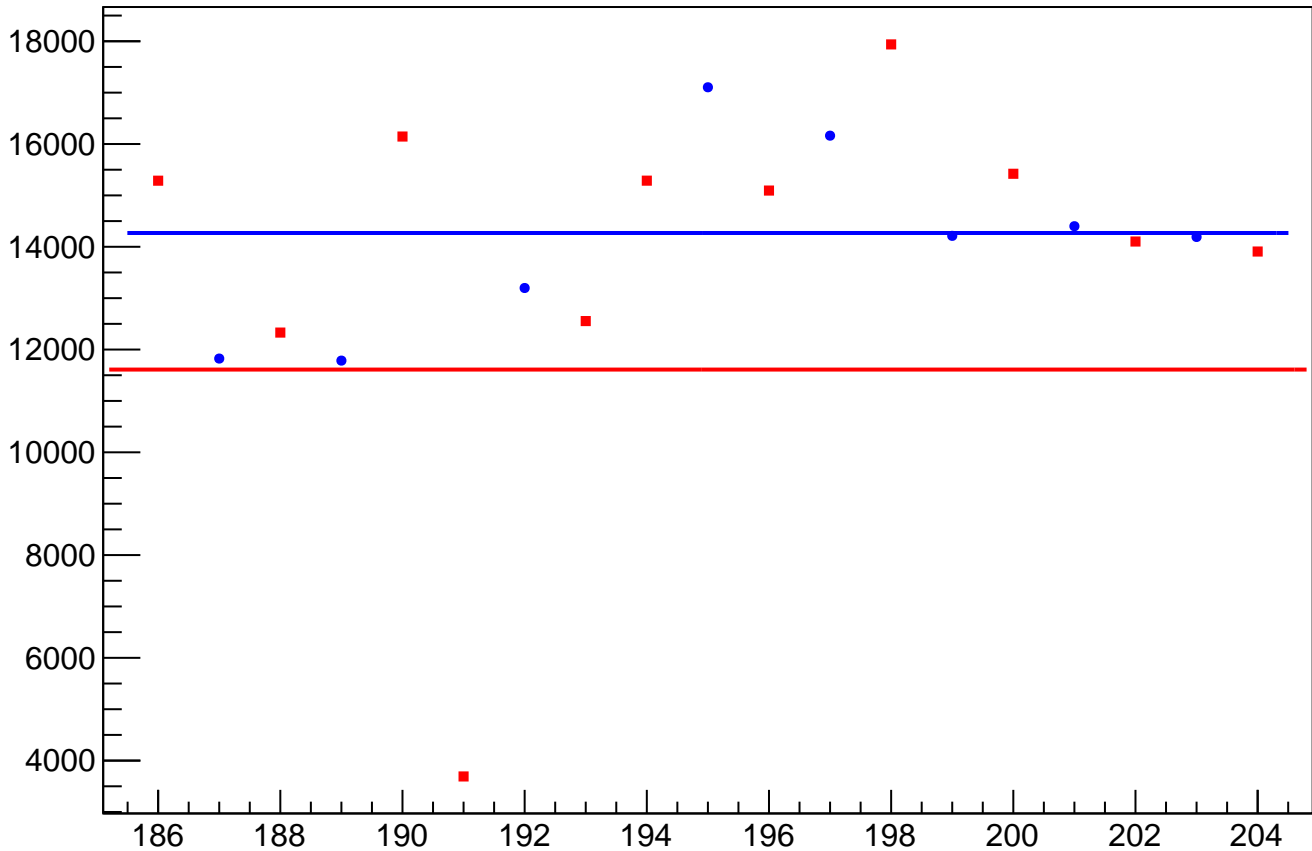
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -2210.248+/-3899.832  $\chi^2$ /NDF: 22.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_atr2\_rms vs Slug



Right In: 14268.501 $\pm$ 4.501  $\chi^2$ /NDF: 126919.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11610.320 $\pm$ 3.489  $\chi^2$ /NDF: 2111399.4/10

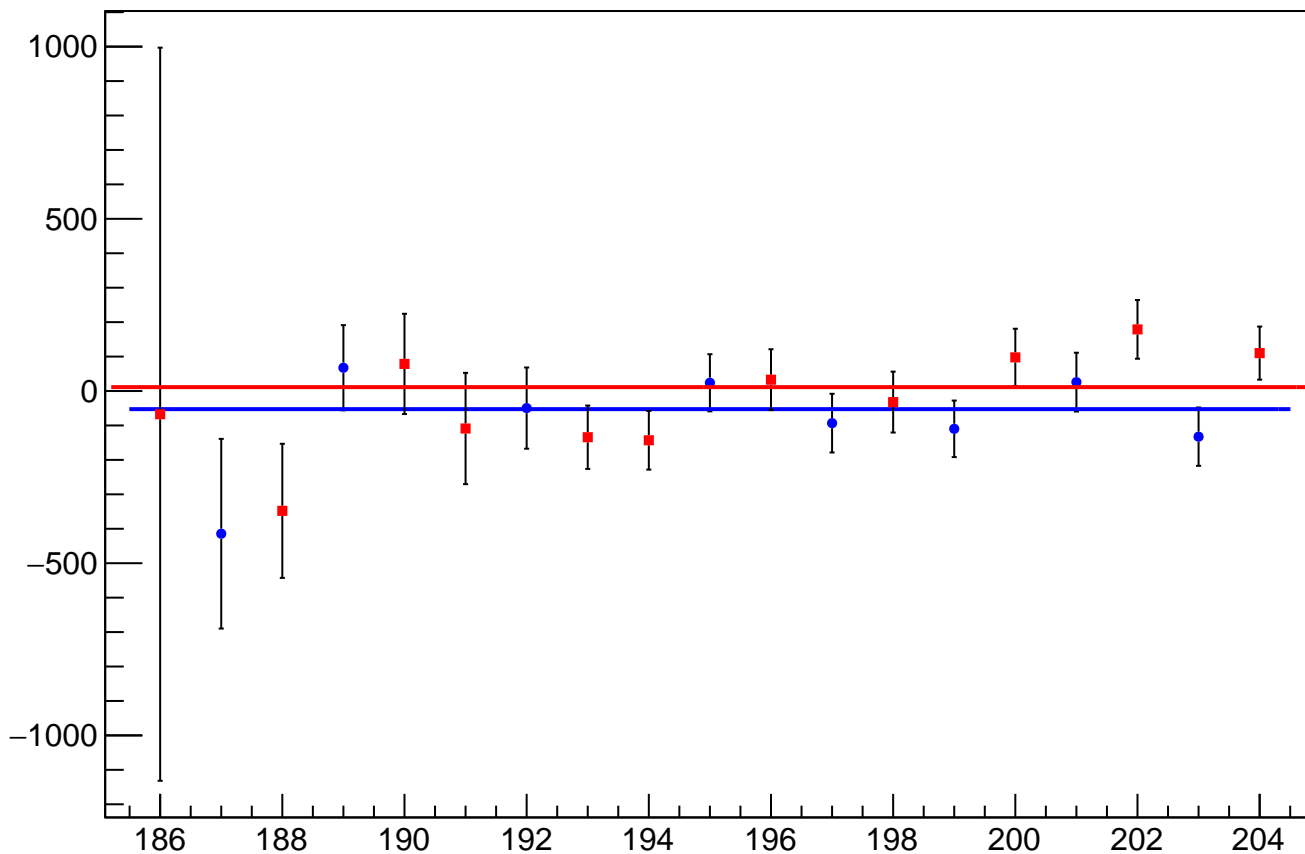
All: 12608.099 $\pm$ 2.758  $\chi^2$ /NDF: 2456191.0/10

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0



# dit\_asym\_sam1\_mean vs Slug



Right In:  $-52.640 \pm 34.125$   $\chi^2/\text{NDF}$ : 6.0/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $11.306 \pm 30.494$   $\chi^2/\text{NDF}$ : 16.9/10

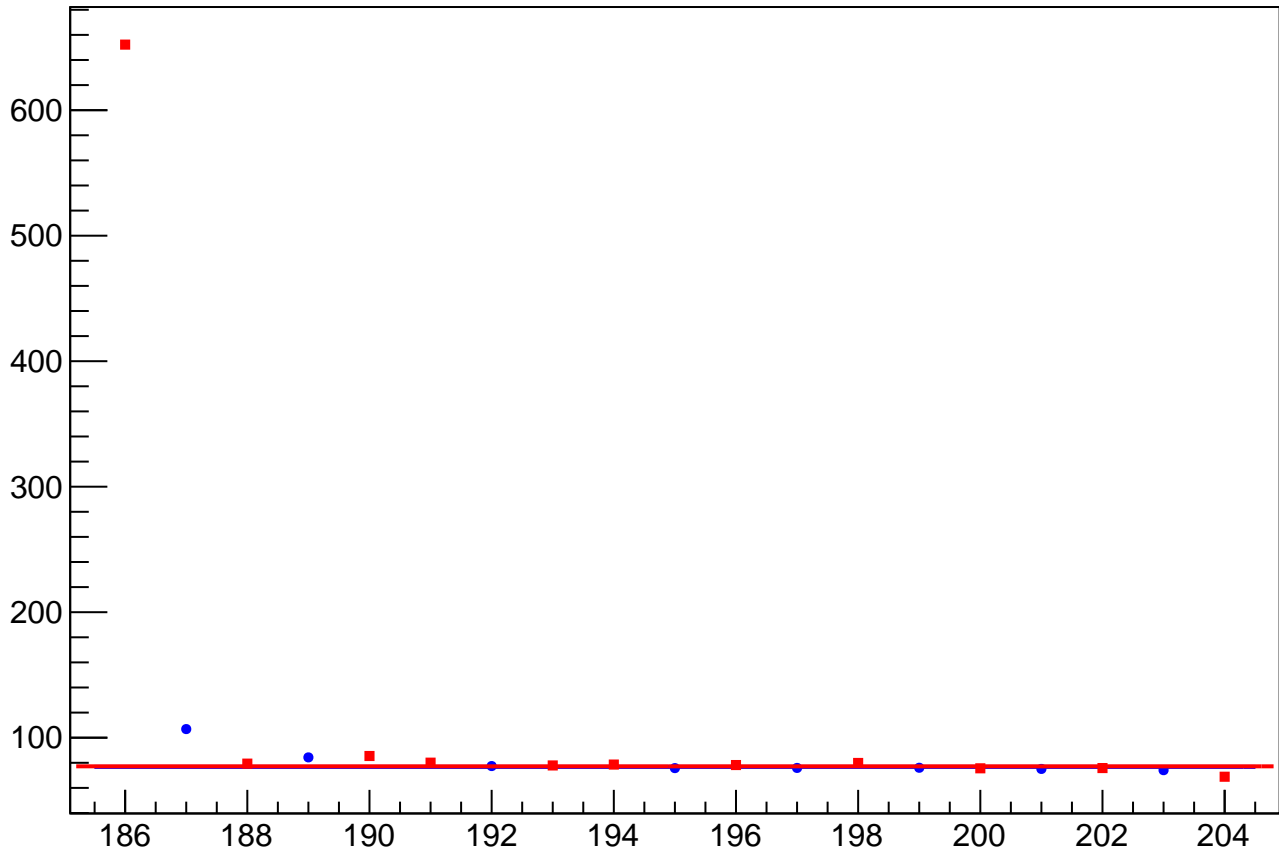
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-17.085 \pm 22.738$   $\chi^2/\text{NDF}$ : 24.8/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam1\_rms vs Slug



Right In: 76.735 $\pm$ 0.024  $\chi^2$ /NDF: 34706.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 77.191 $\pm$ 0.022  $\chi^2$ /NDF: 618215.2/10

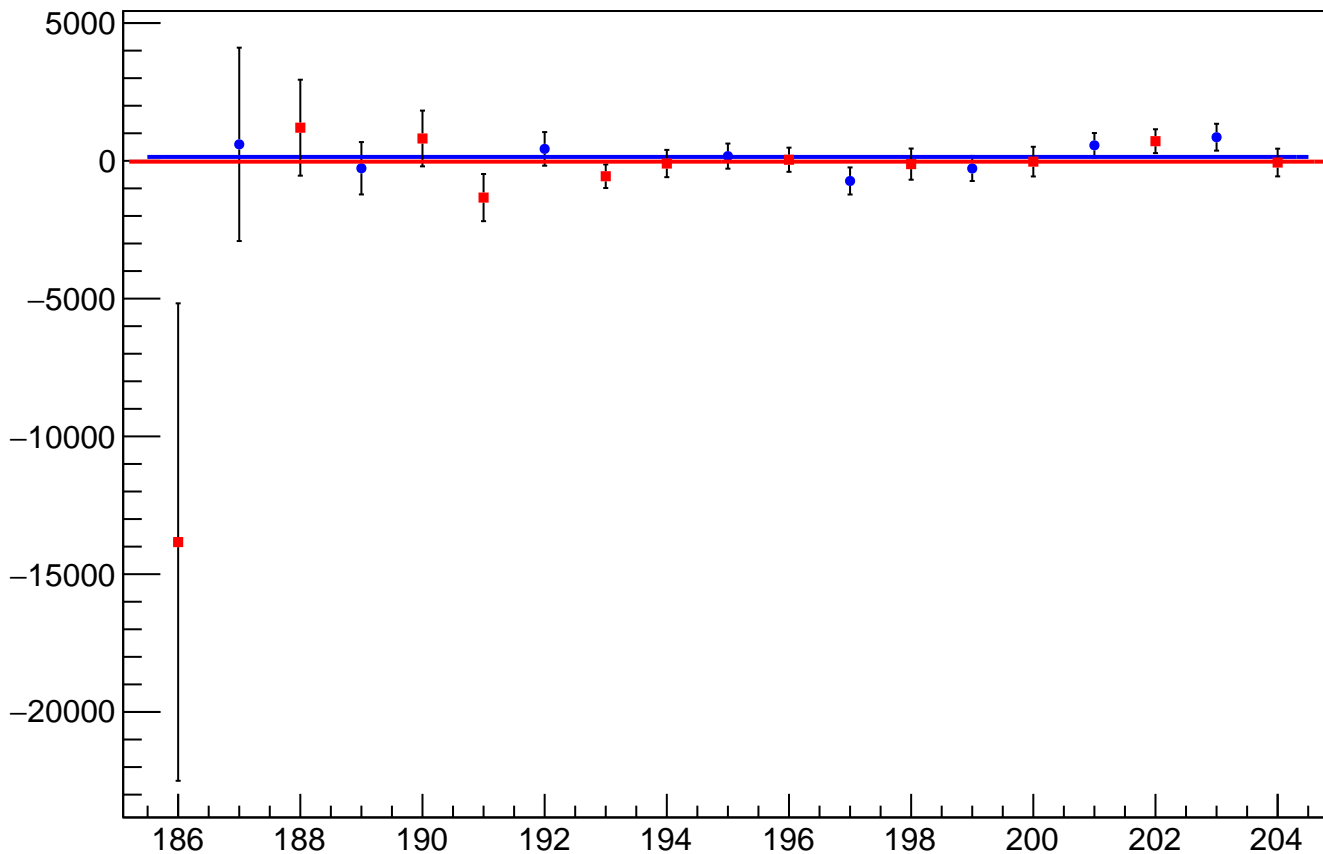
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 76.989 $\pm$ 0.016  $\chi^2$ /NDF: 653121.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam1\_correction\_mean vs Slug



Right In: 142.225+/-192.782  $\chi^2$ /NDF: 7.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -29.244+/-173.396  $\chi^2$ /NDF: 10.6/10

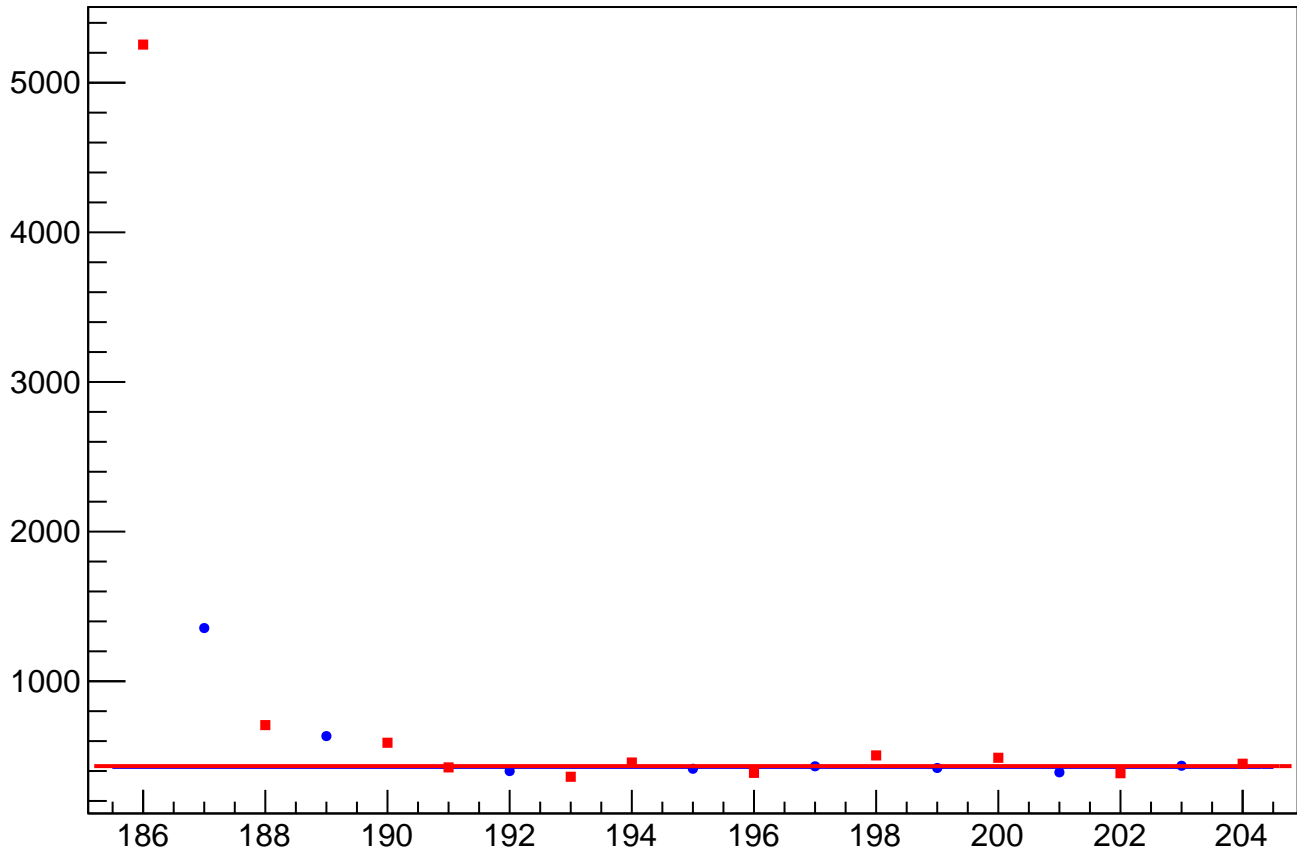
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 47.438+/-128.920  $\chi^2$ /NDF: 18.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam1\_correction\_rms vs Slug



Right In: 427.575+/-0.136  $\chi^2/\text{NDF}$ : 253878.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 432.773+/-0.123  $\chi^2/\text{NDF}$ : 877288.2/10

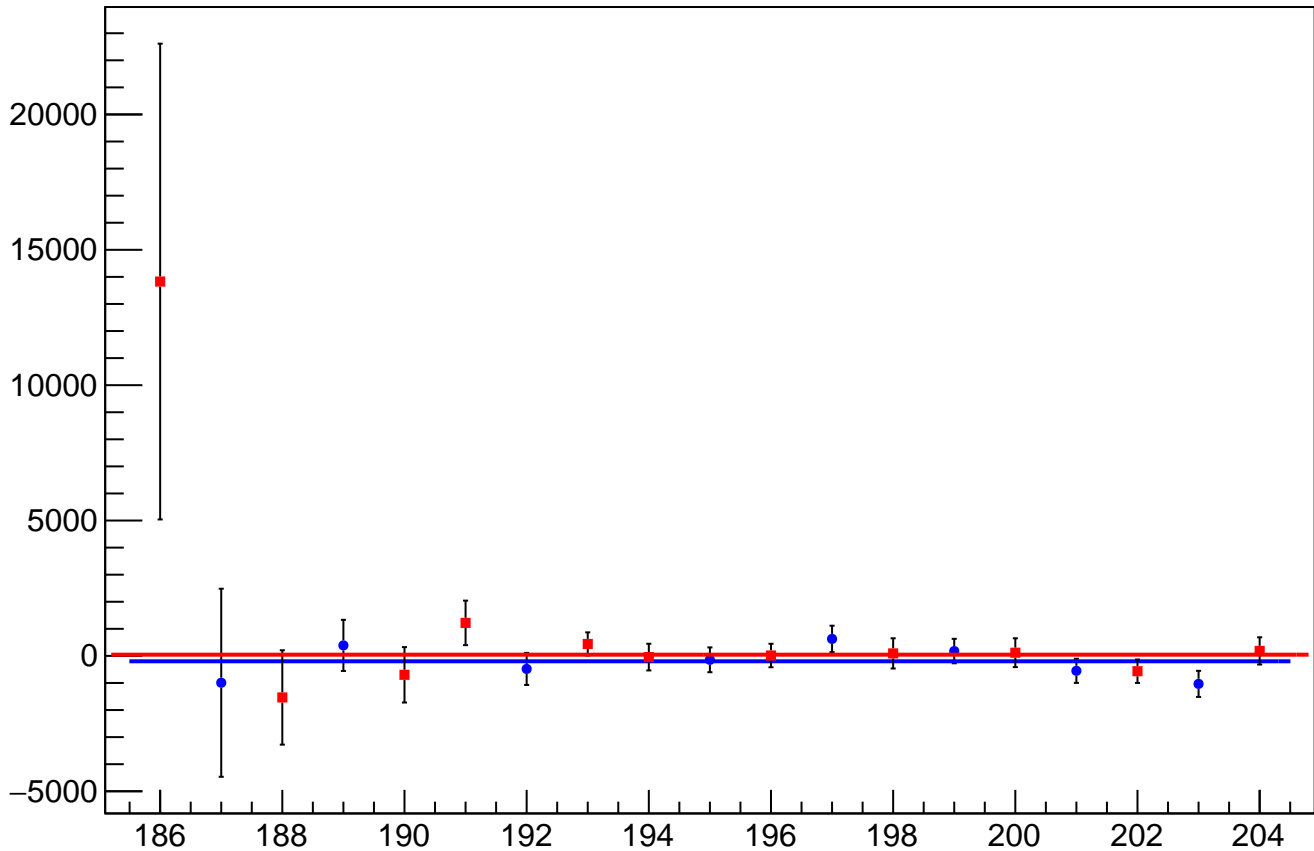
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 430.449+/-0.091  $\chi^2/\text{NDF}$ : 1131970.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam1\_mean vs Slug



Right In: -198.809+/-191.504  $\chi^2$ /NDF: 7.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 45.299+/-172.202  $\chi^2$ /NDF: 8.8/10

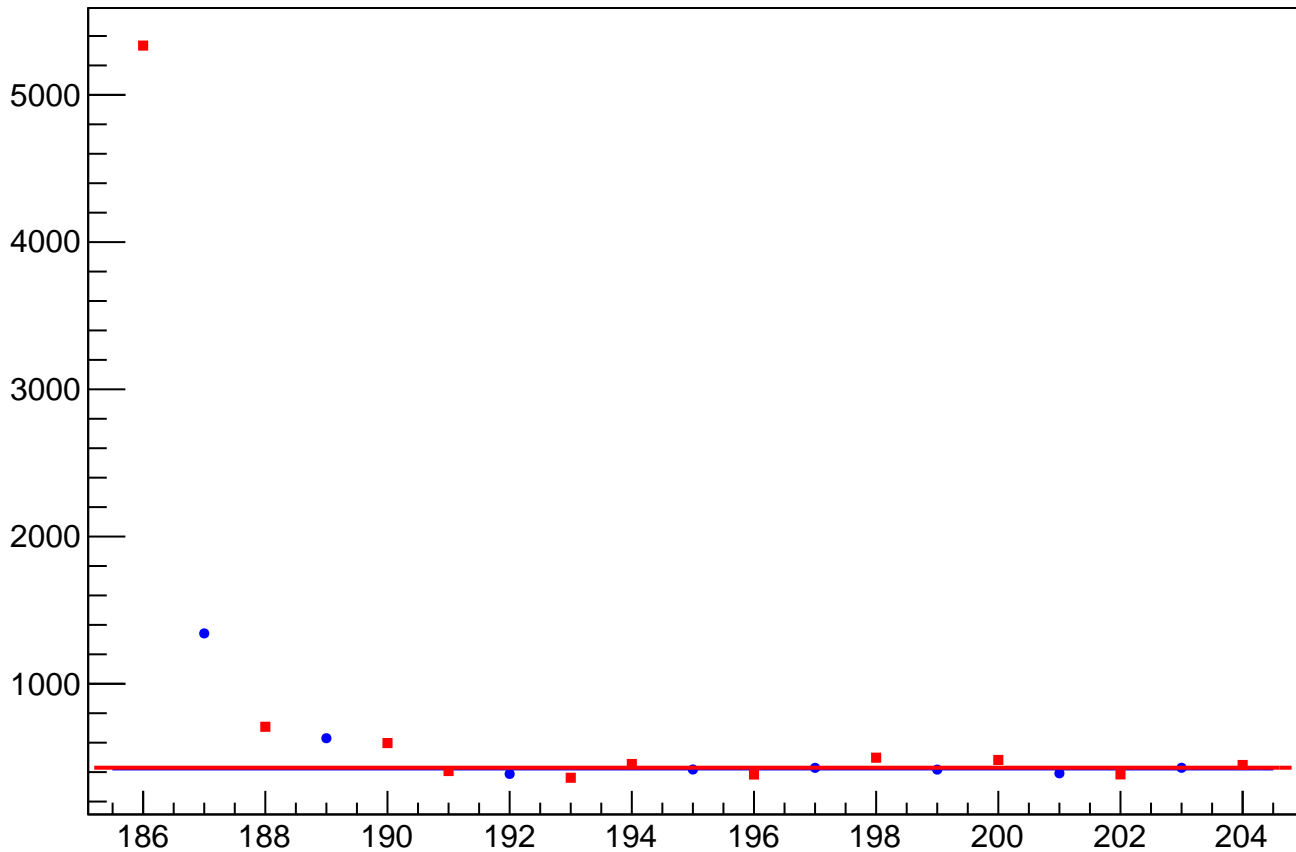
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -63.836+/-128.047  $\chi^2$ /NDF: 17.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam1\_rms vs Slug



Right In: 424.812 $\pm$ 0.135  $\chi^2$ /NDF: 254144.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 429.897 $\pm$ 0.122  $\chi^2$ /NDF: 881942.7/10

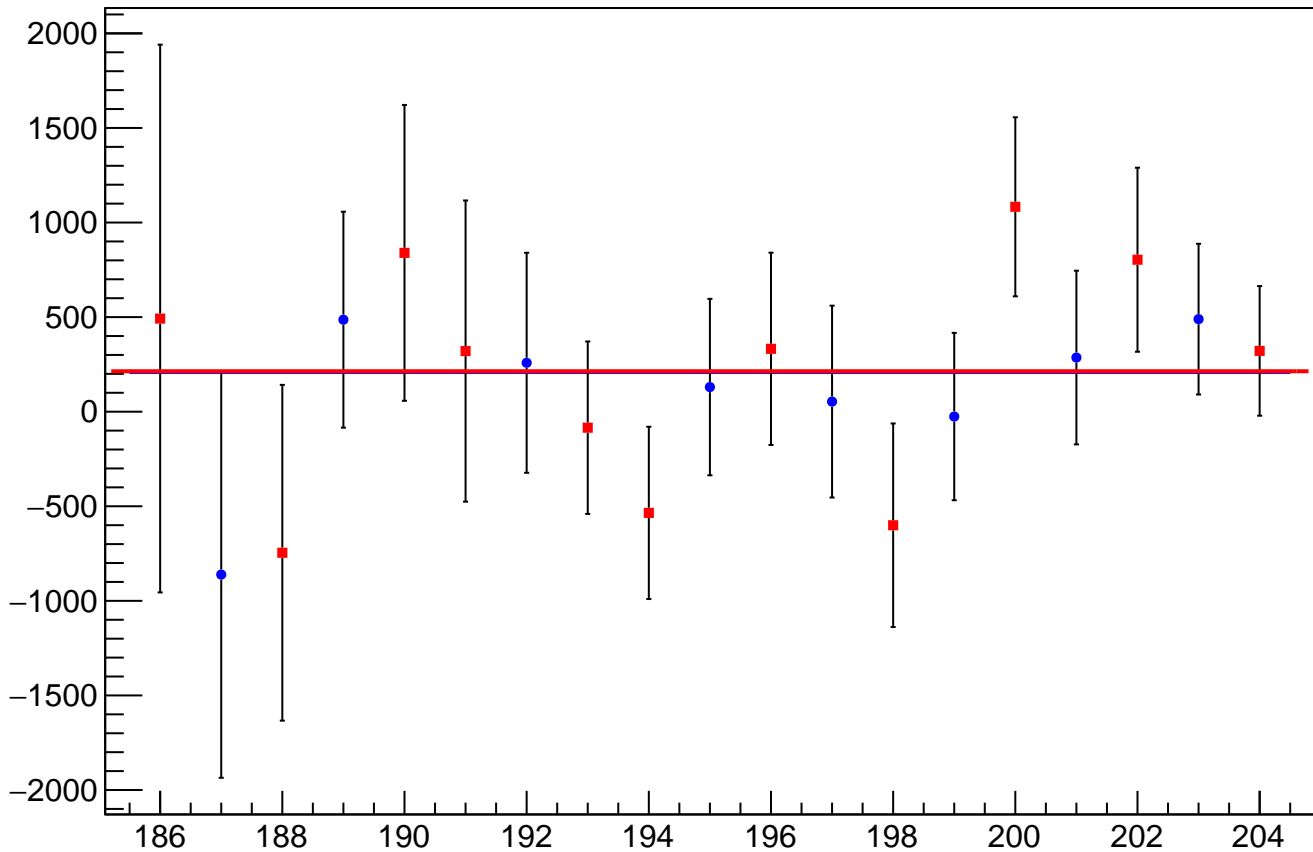
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 427.624 $\pm$ 0.091  $\chi^2$ /NDF: 1136866.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam2\_mean vs Slug



Right In: 210.127+/-178.092  $\chi^2$ /NDF: 2.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 213.758+/-159.867  $\chi^2$ /NDF: 12.3/10

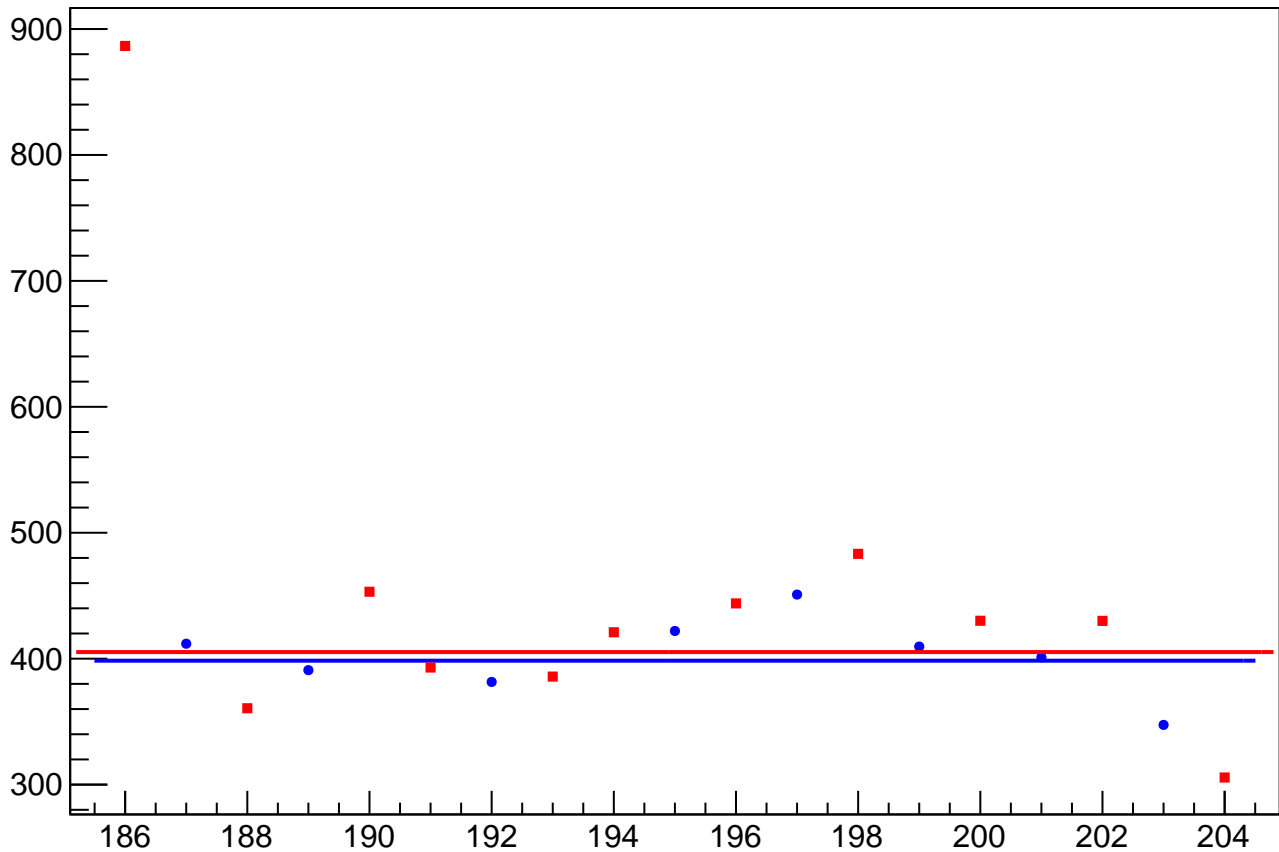
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 212.138+/-118.966  $\chi^2$ /NDF: 14.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam2\_rms vs Slug



Right In: 398.416 $\pm$ 0.126  $\chi^2$ /NDF: 63019.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 405.262 $\pm$ 0.113  $\chi^2$ /NDF: 473323.1/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

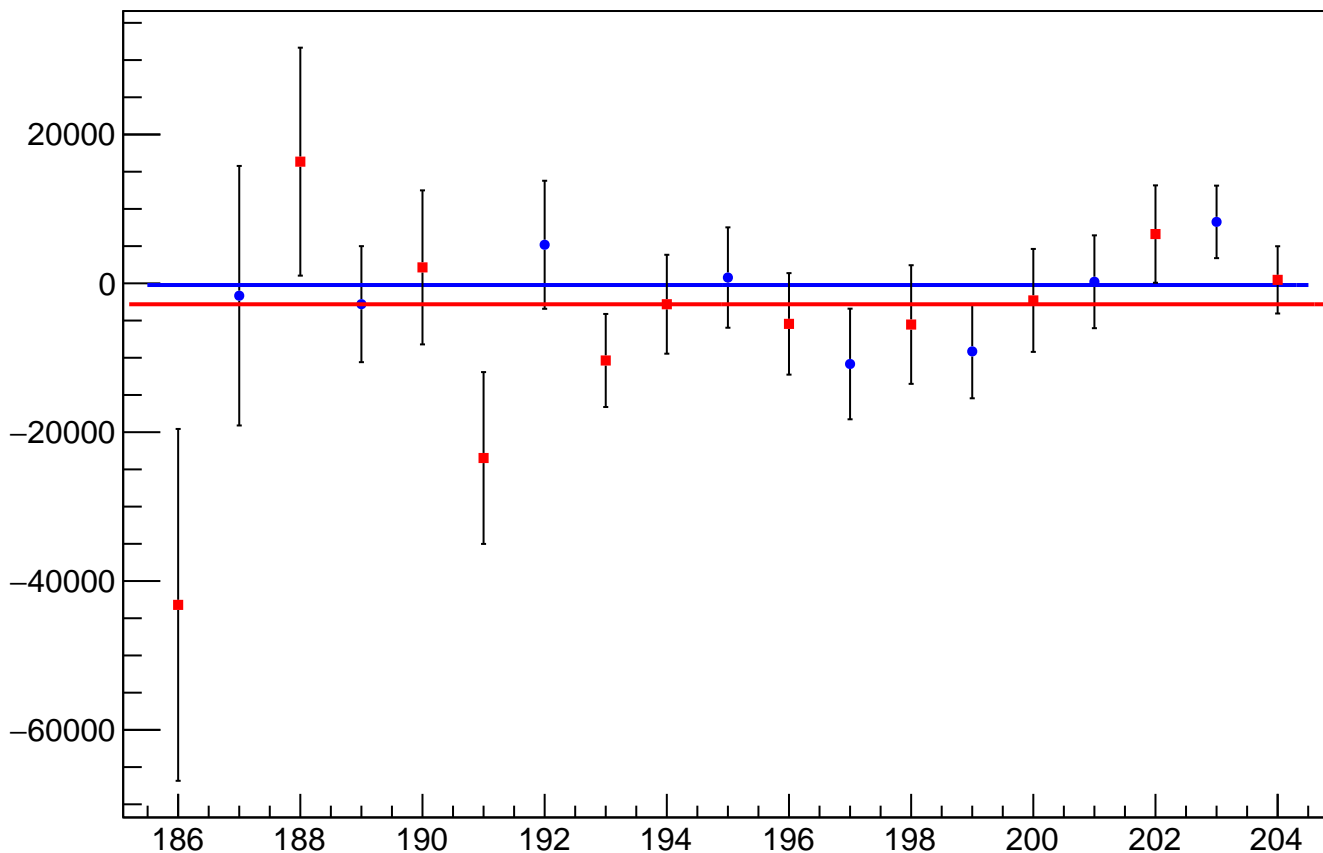
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 402.207 $\pm$ 0.084  $\chi^2$ /NDF: 537979.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam2\_correction\_mean vs Slug



Right In:  $-225.260 \pm 2451.571$   $\chi^2/\text{NDF}$ : 7.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2812.602 \pm 2227.082$   $\chi^2/\text{NDF}$ : 12.3/10

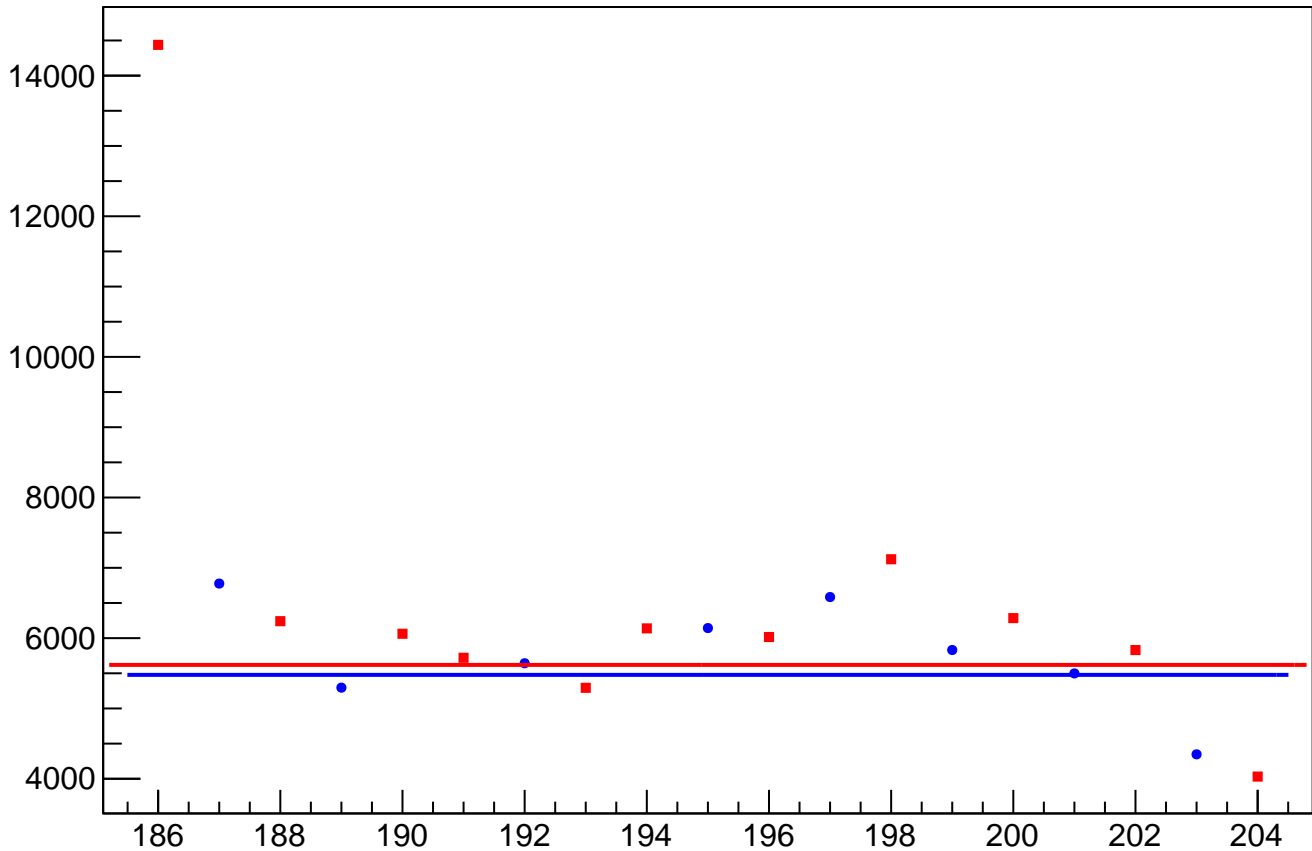
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1642.790 \pm 1648.449$   $\chi^2/\text{NDF}$ : 20.5/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam2\_correction\_rms vs Slug



Right In: 5477.667+/-1.734  $\chi^2/\text{NDF}$ : 190736.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5619.364+/-1.575  $\chi^2/\text{NDF}$ : 648650.5/10

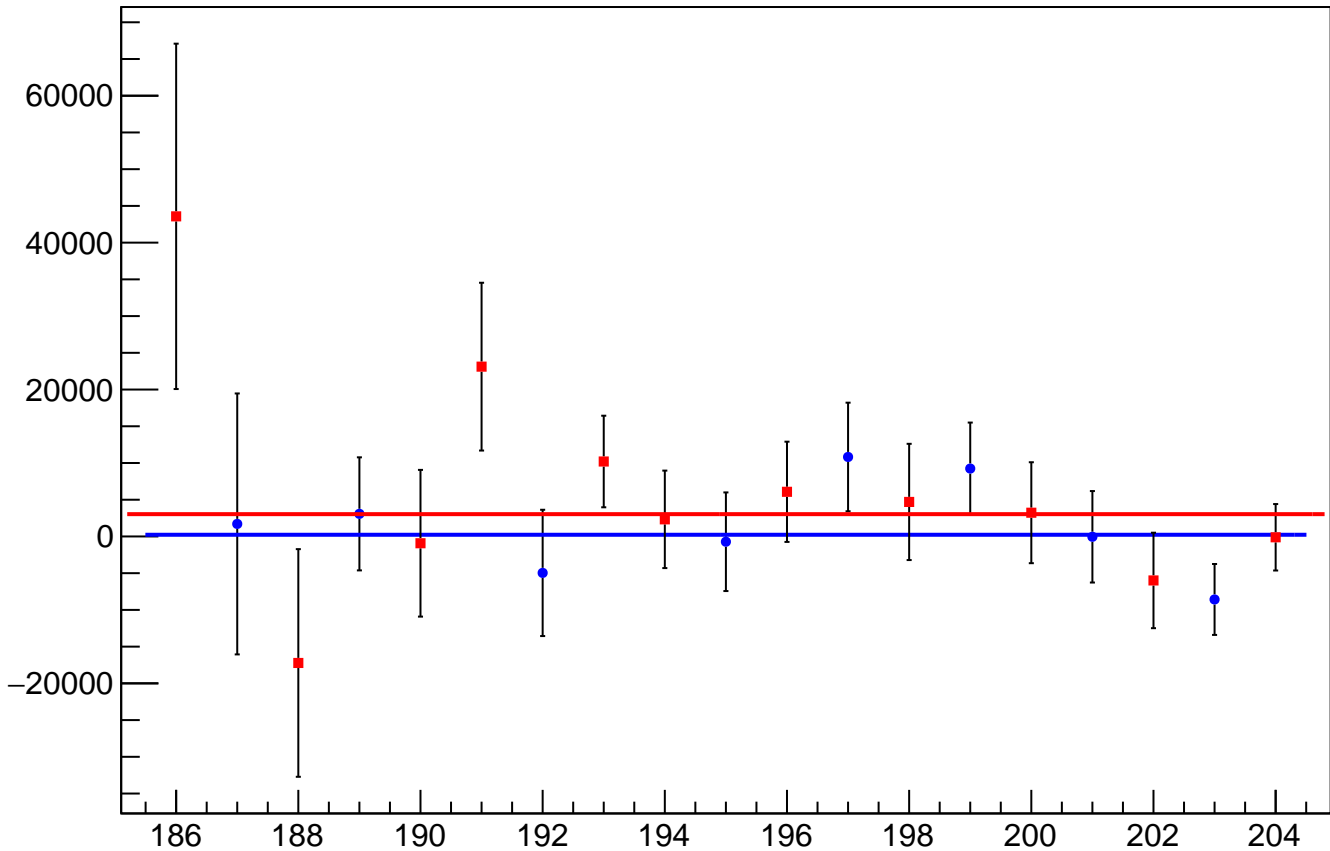
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5555.299+/-1.166  $\chi^2/\text{NDF}$ : 843047.1/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam2\_mean vs Slug



Right In: 229.530+/-2437.696  $\chi^2/\text{NDF}$ : 8.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3035.965+/-2217.936  $\chi^2/\text{NDF}$ : 11.9/10

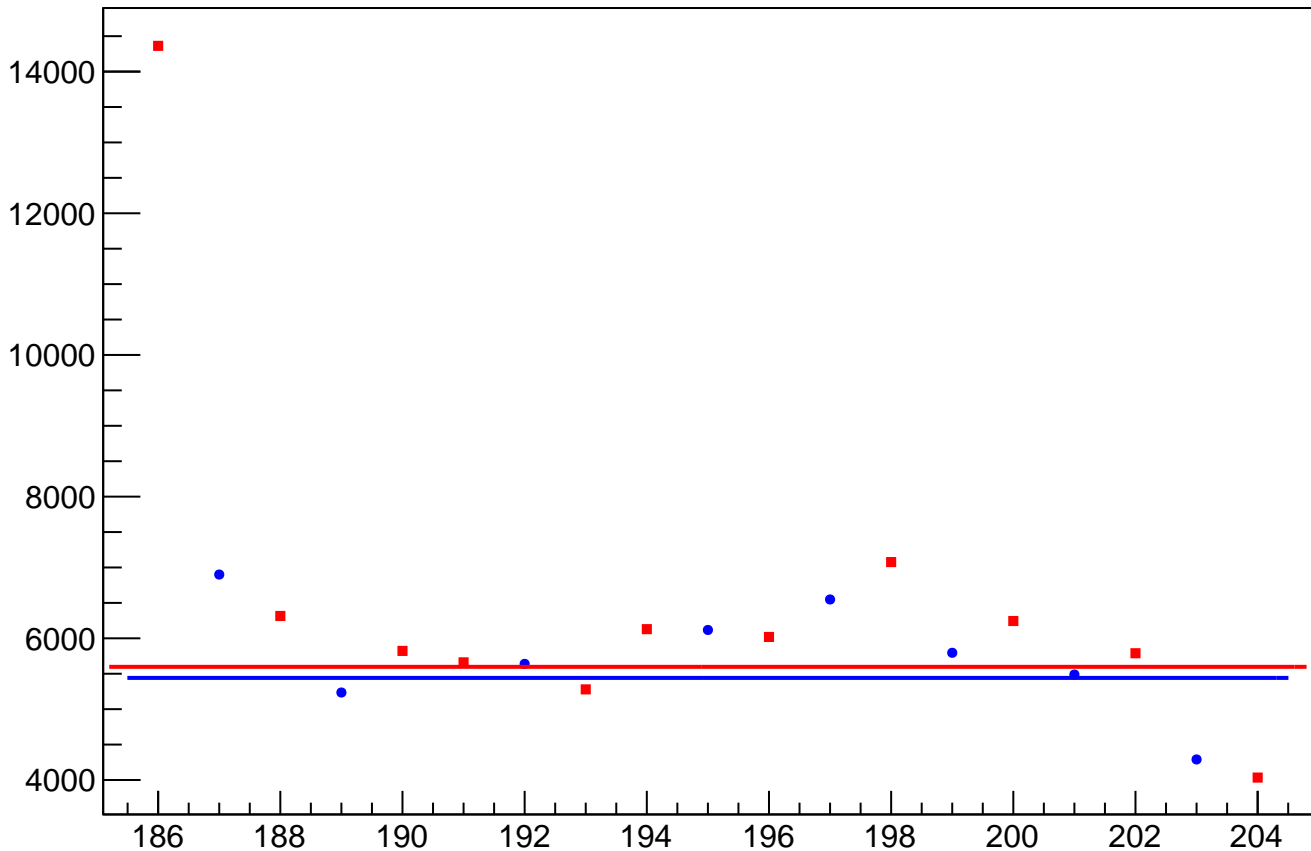
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1764.925+/-1640.520  $\chi^2/\text{NDF}$ : 20.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam2\_rms vs Slug



Right In: 5441.171+/-1.724  $\chi^2/\text{NDF}$ : 201403.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5597.526+/-1.568  $\chi^2/\text{NDF}$ : 637301.3/10

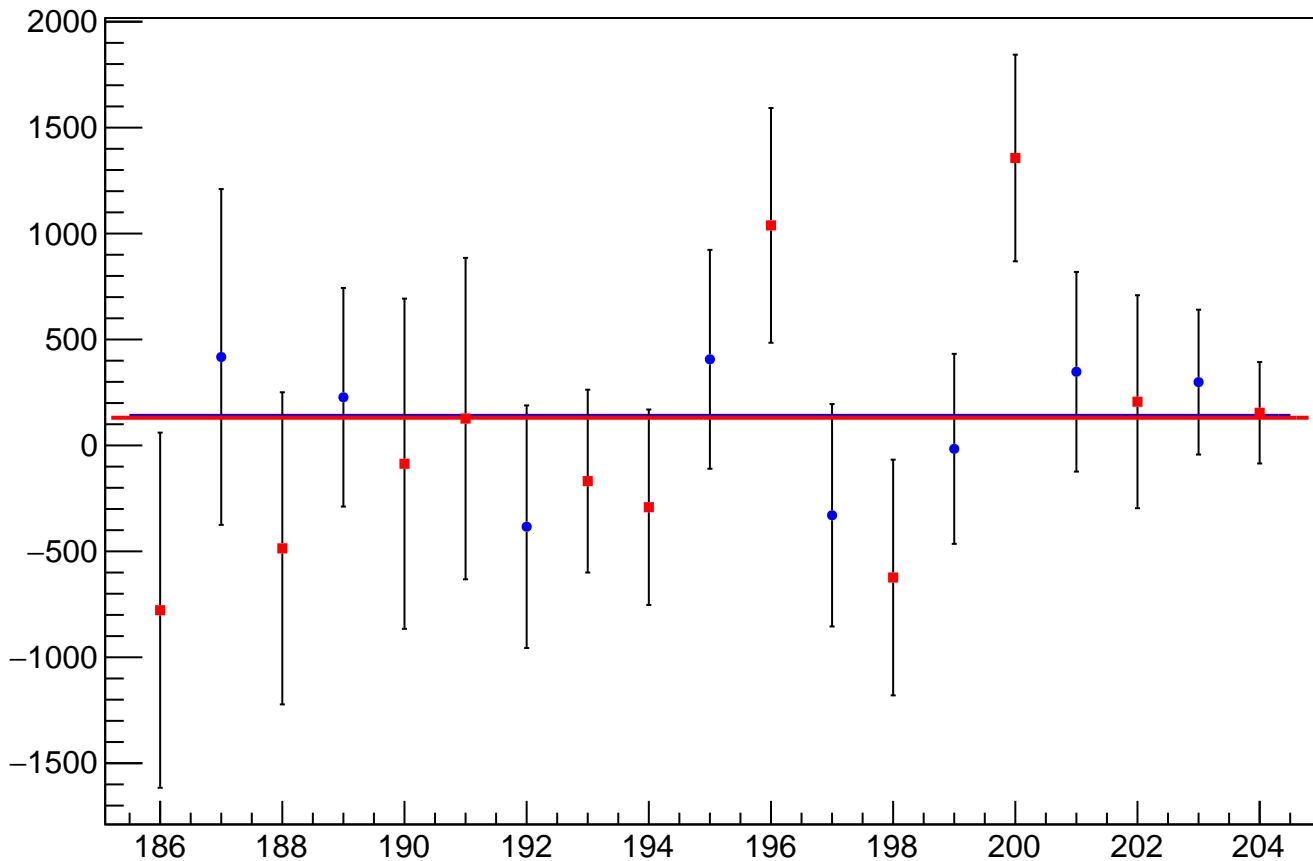
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5526.712+/-1.160  $\chi^2/\text{NDF}$ : 843206.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam3\_mean vs Slug



Right In: 139.524+/-171.982  $\chi^2/\text{NDF}$ : 2.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 130.662+/-143.102  $\chi^2/\text{NDF}$ : 14.1/10

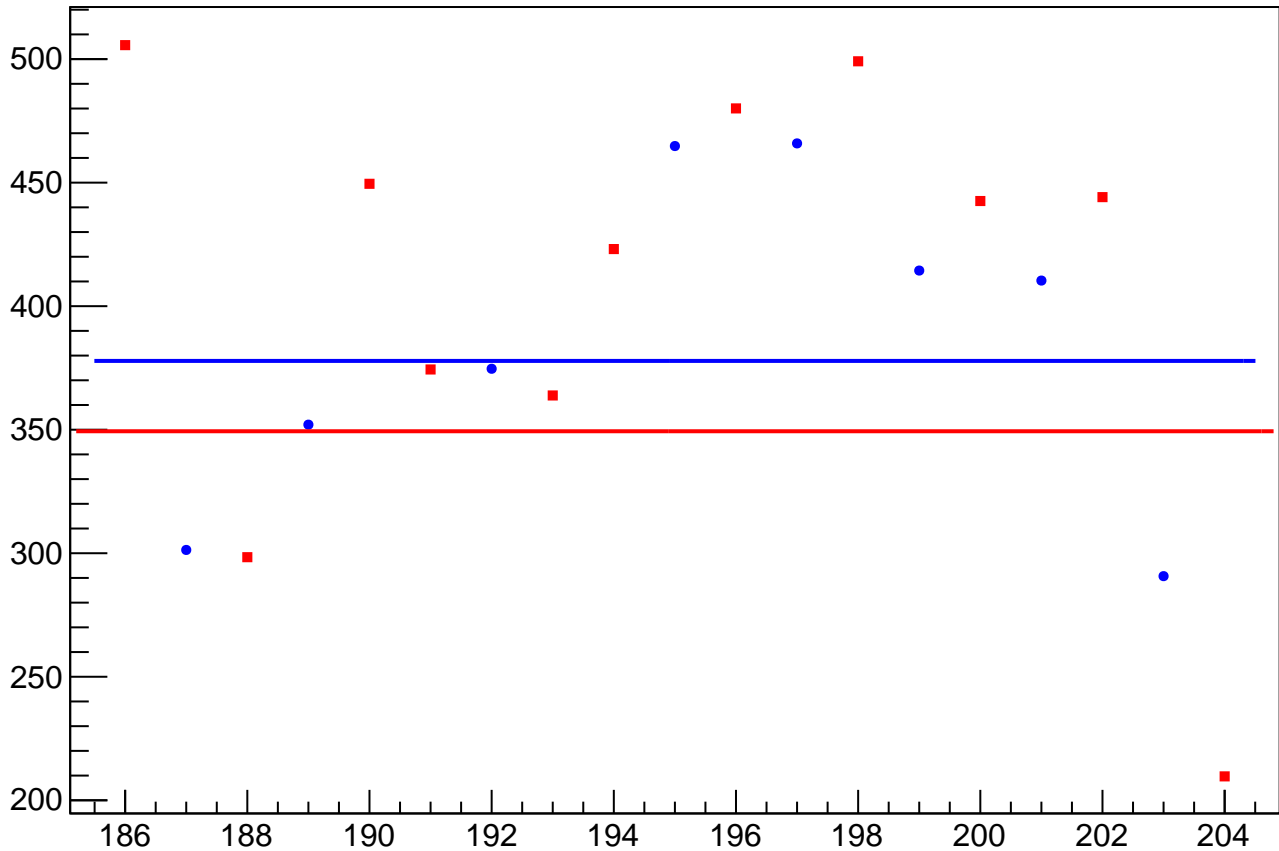
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 134.287+/-110.002  $\chi^2/\text{NDF}$ : 16.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam3\_rms vs Slug



Right In: 377.842 $\pm$ 0.122  $\chi^2$ /NDF: 289380.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

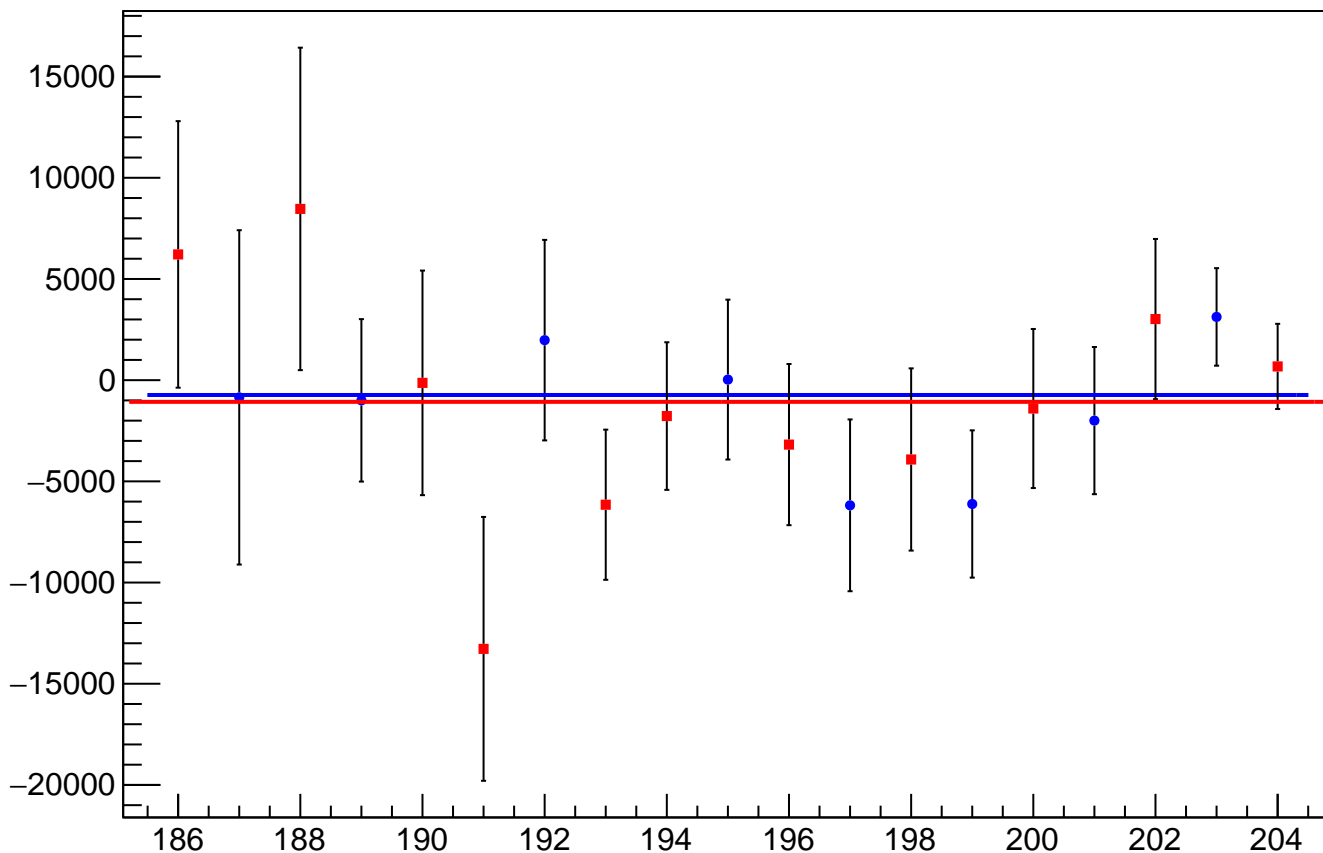
Right Out: 349.372 $\pm$ 0.101  $\chi^2$ /NDF: 1249329.7/10

All: 361.019 $\pm$ 0.078  $\chi^2$ /NDF: 1571096.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

# asym\_sam3\_correction\_mean vs Slug



Right In:  $-732.038 \pm 1335.739$   $\chi^2/\text{NDF}$ : 6.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1070.662 \pm 1187.301$   $\chi^2/\text{NDF}$ : 10.6/10

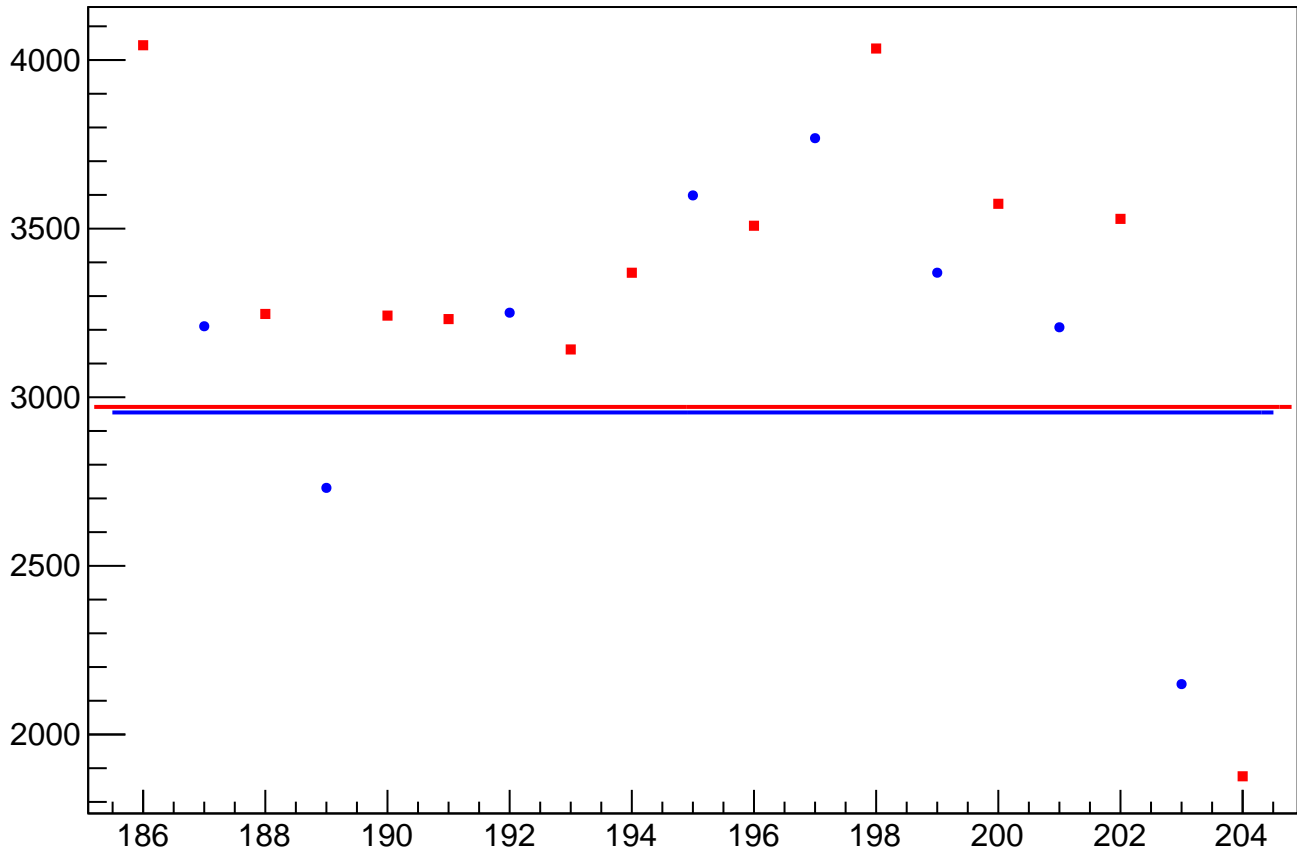
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-921.204 \pm 887.407$   $\chi^2/\text{NDF}$ : 17.5/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam3\_correction\_rms vs Slug



Right In: 2954.911+/-0.945  $\chi^2$ /NDF: 400912.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2971.346+/-0.840  $\chi^2$ /NDF: 867533.2/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

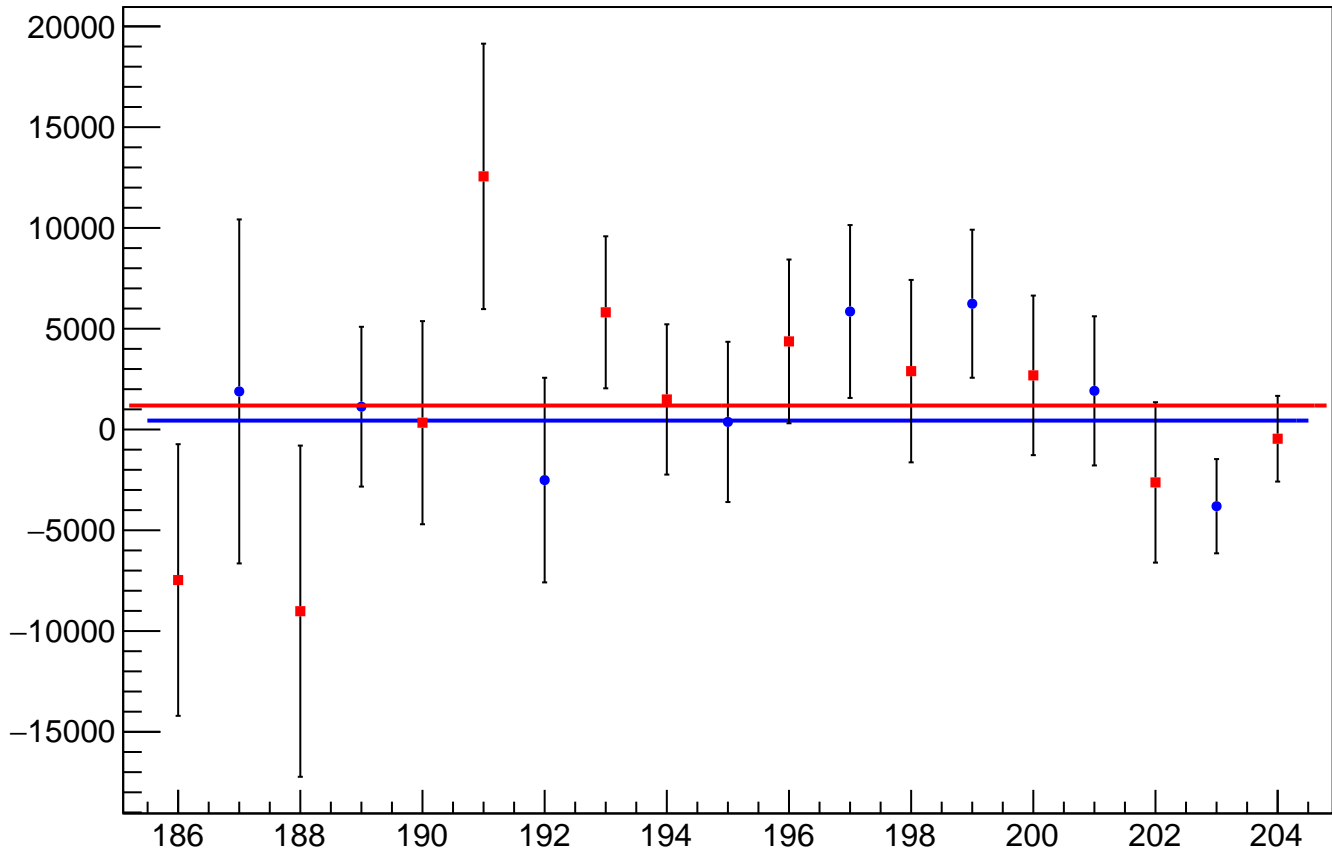
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 2964.092+/-0.627  $\chi^2$ /NDF: 1268615.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam3\_mean vs Slug



Right In: 441.967+/-1331.674  $\chi^2$ /NDF: 7.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1189.265+/-1195.906  $\chi^2$ /NDF: 10.1/10

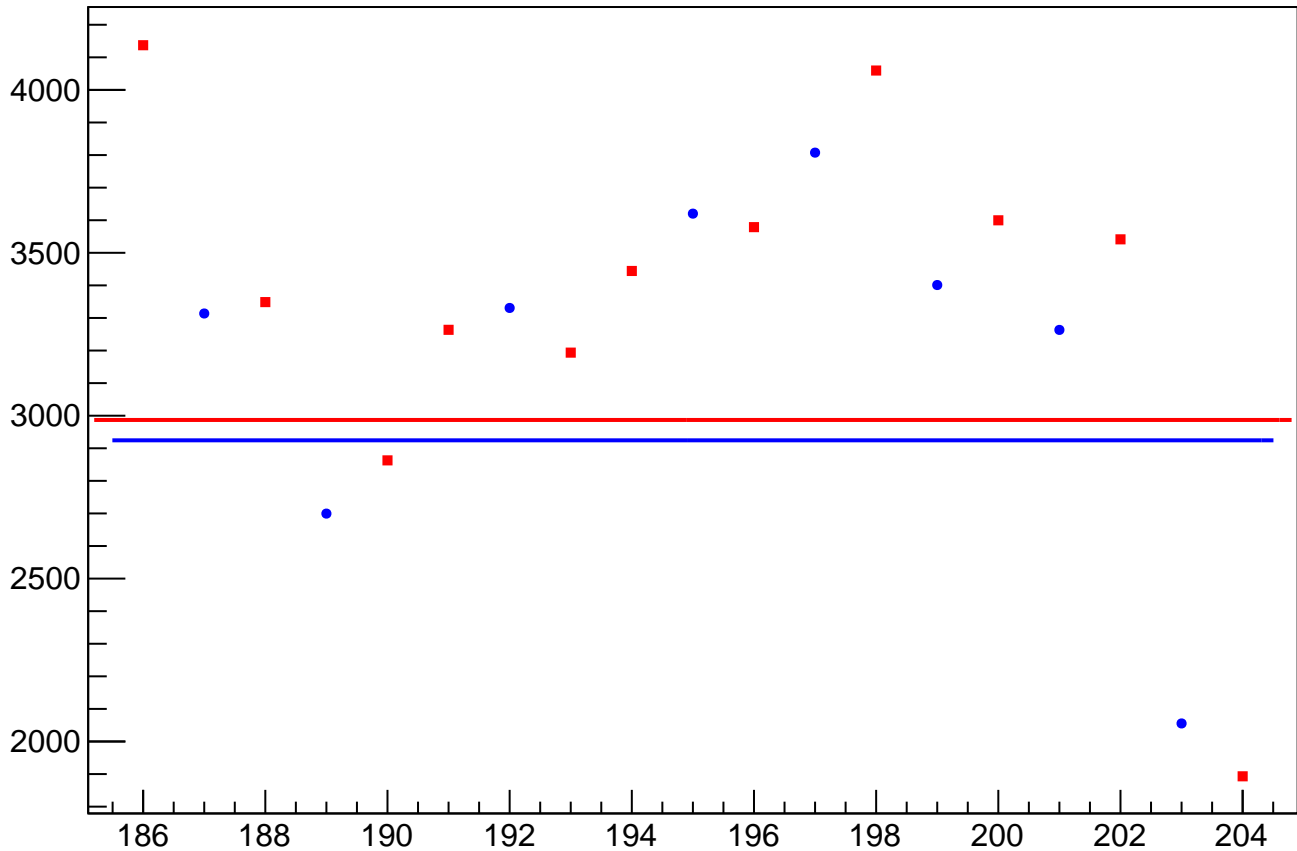
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 855.642+/-889.773  $\chi^2$ /NDF: 18.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam3\_rms vs Slug



Right In: 2924.422+/-0.942  $\chi^2/\text{NDF}$ : 496193.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2986.922+/-0.846  $\chi^2/\text{NDF}$ : 873983.5/10

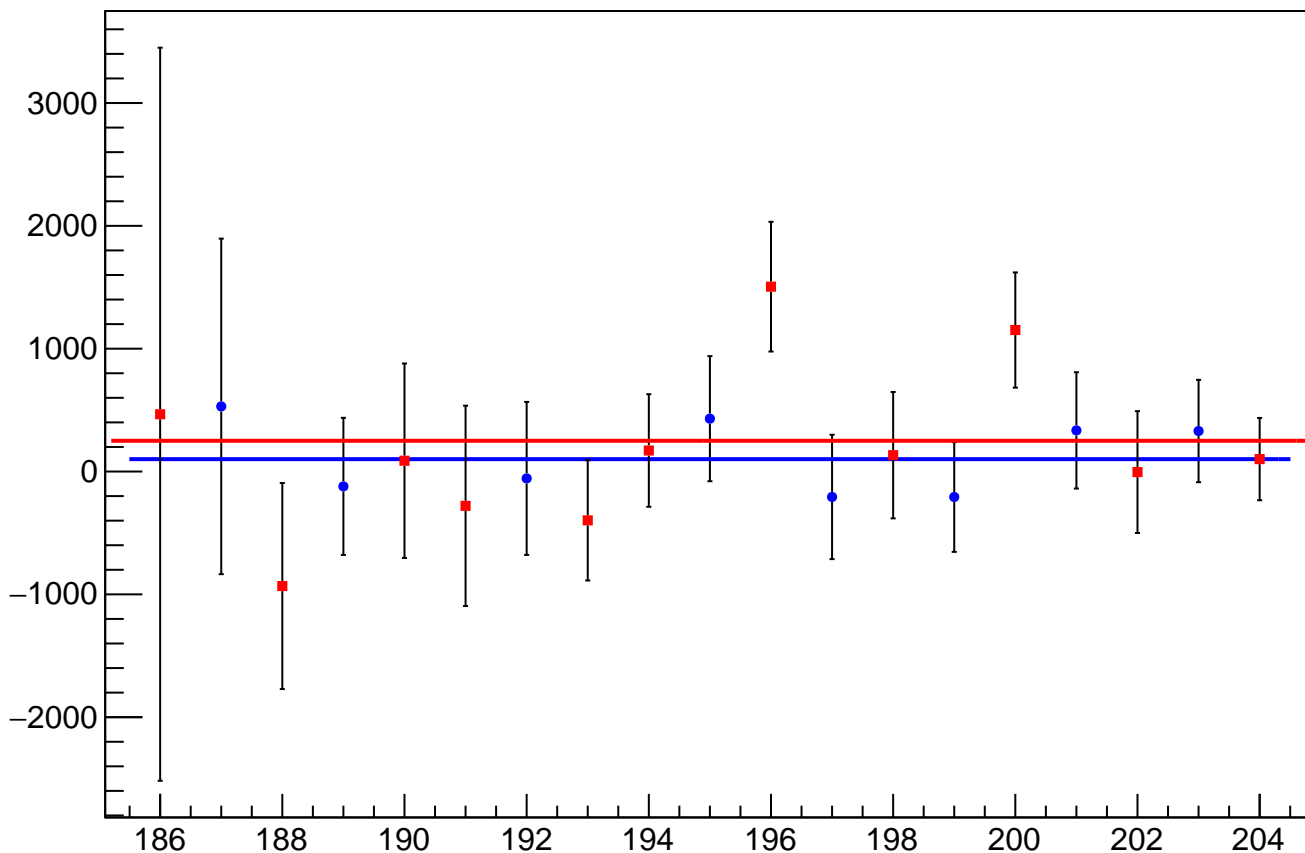
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2959.019+/-0.629  $\chi^2/\text{NDF}$ : 1372615.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam4\_mean vs Slug



Right In: 100.759+/-184.683  $\chi^2$ /NDF: 2.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 250.325+/-161.254  $\chi^2$ /NDF: 14.1/10

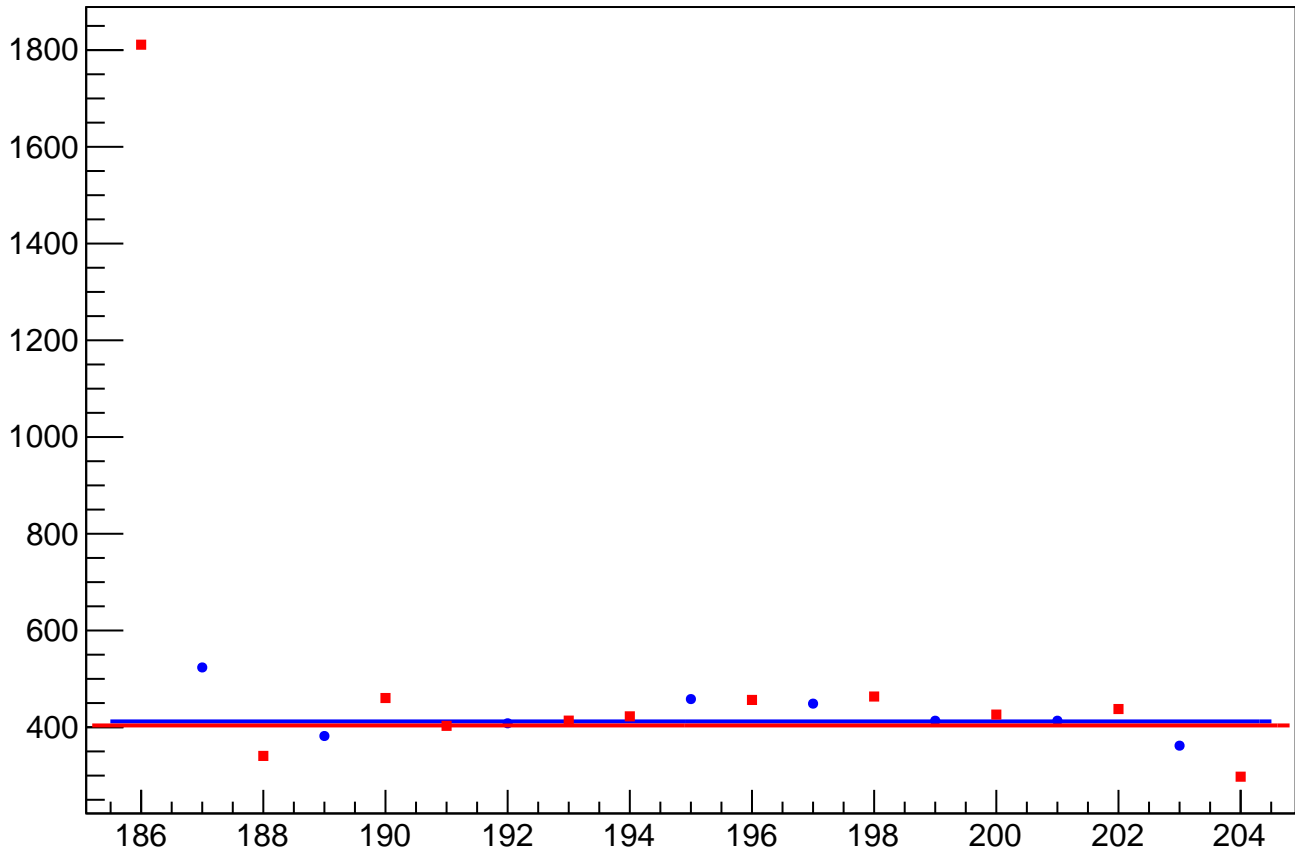
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 185.625+/-121.468  $\chi^2$ /NDF: 16.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam4\_rms vs Slug



Right In: 412.016 $\pm$ 0.131  $\chi^2$ /NDF: 75278.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 403.692 $\pm$ 0.114  $\chi^2$ /NDF: 731631.8/10

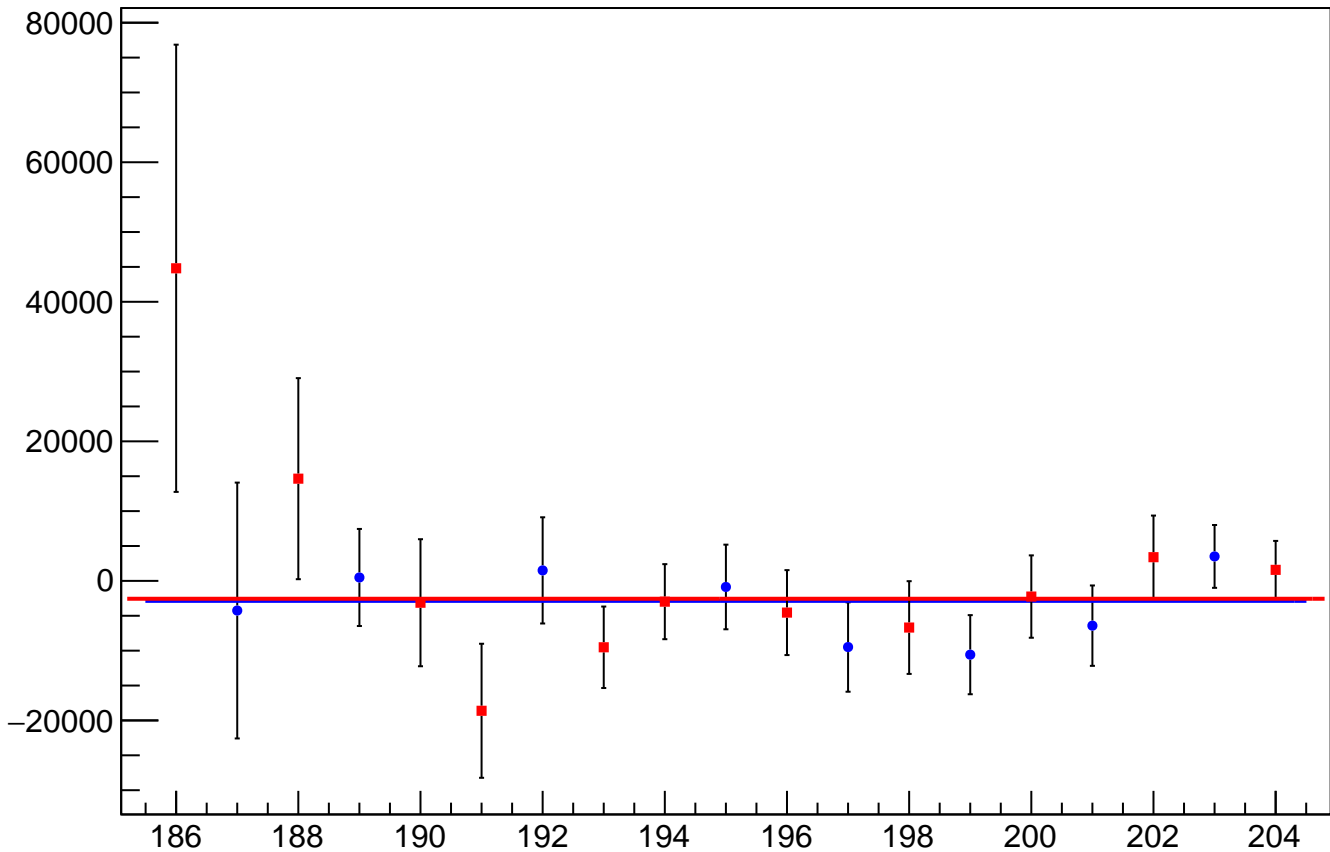
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 407.293 $\pm$ 0.086  $\chi^2$ /NDF: 809215.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam4\_correction\_mean vs Slug



Right In:  $-2861.827 \pm 2219.216$   $\chi^2/\text{NDF}$ : 6.0/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

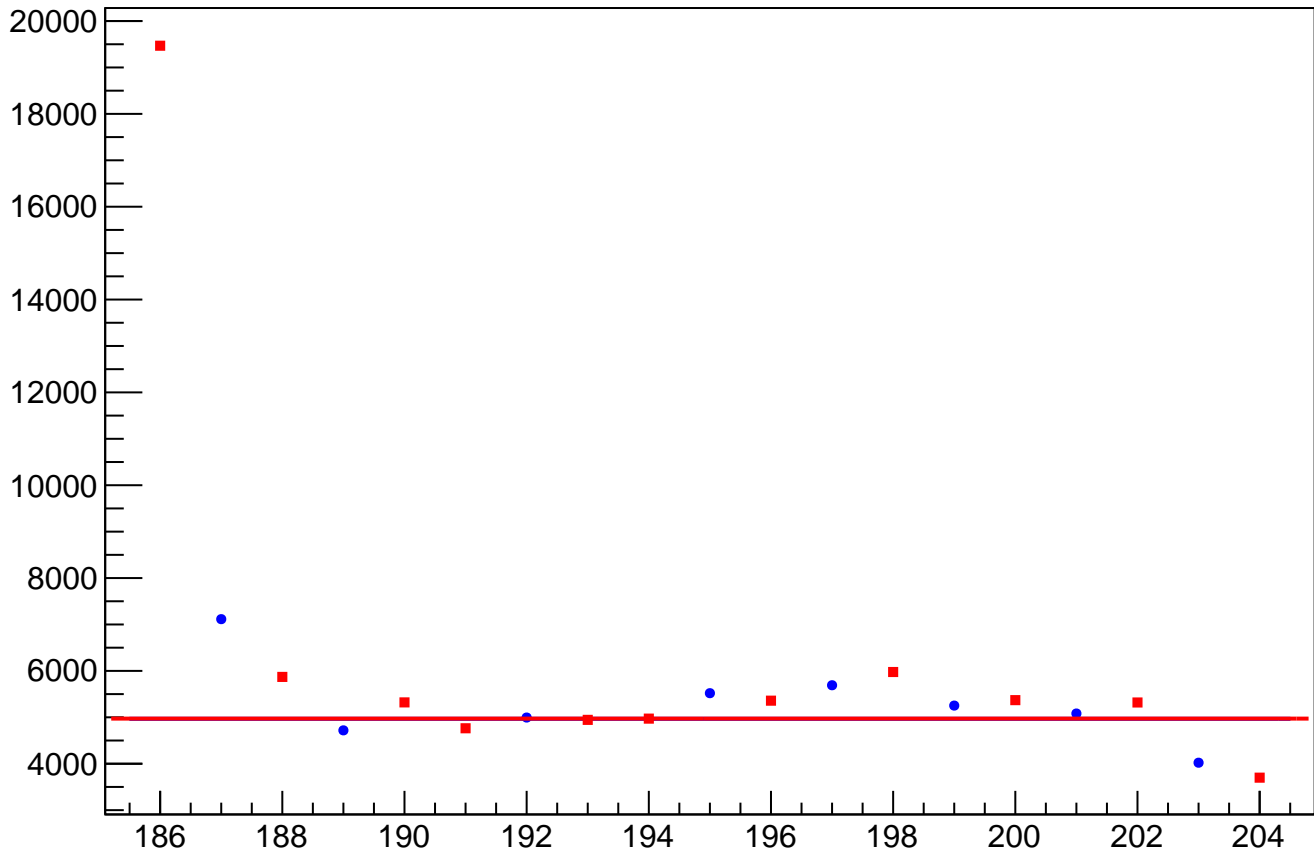
Right Out:  $-2561.952 \pm 1971.918$   $\chi^2/\text{NDF}$ : 10.3/10

All:  $-2694.256 \pm 1474.067$   $\chi^2/\text{NDF}$ : 16.3/18

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam4\_correction\_rms vs Slug



Right In: 4967.880+/-1.569  $\chi^2/\text{NDF}$ : 166145.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4972.053+/-1.394  $\chi^2/\text{NDF}$ : 678602.5/10

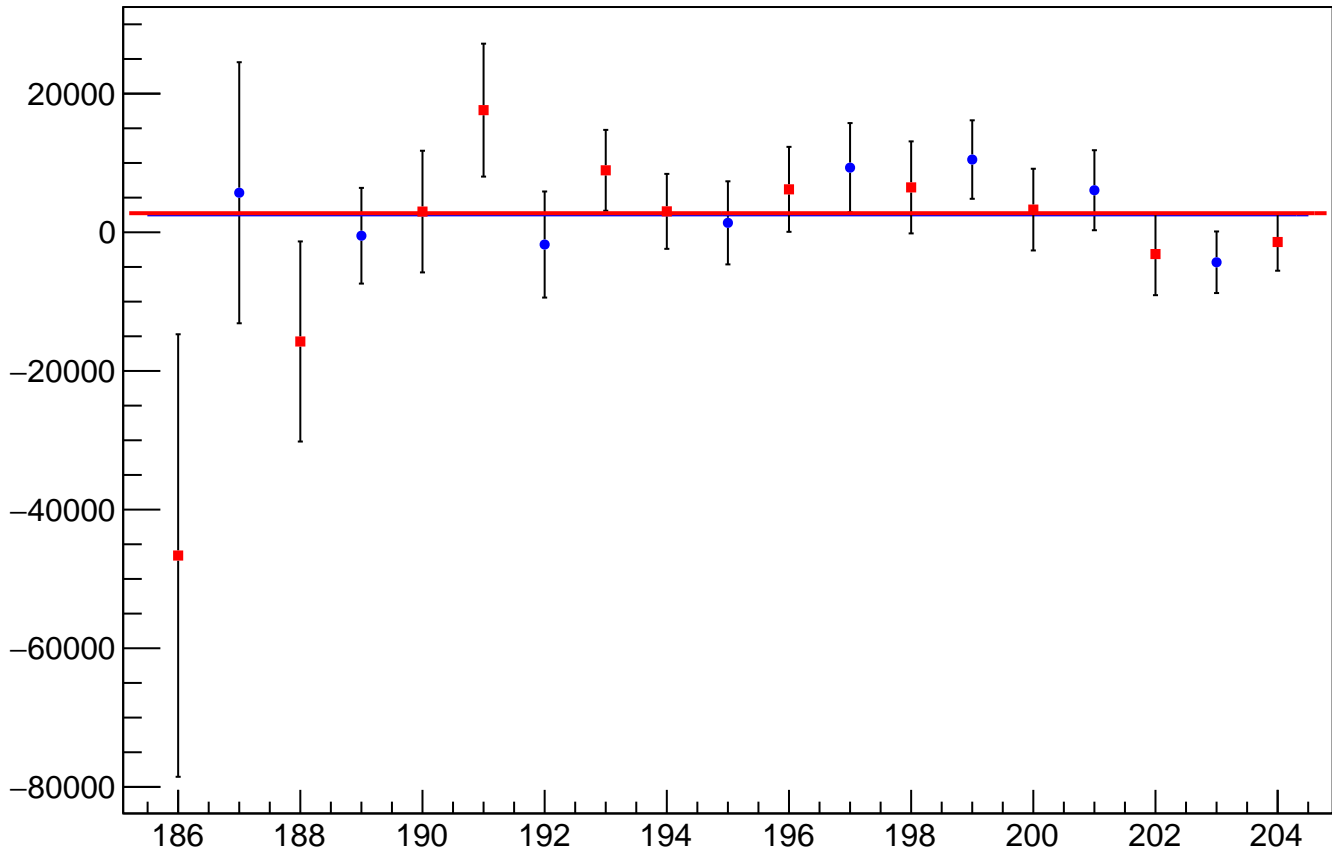
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4970.212+/-1.042  $\chi^2/\text{NDF}$ : 844751.8/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam4\_mean vs Slug



Right In: 2584.941 $\pm$ 2209.794  $\chi^2$ /NDF: 6.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2754.197 $\pm$ 1968.243  $\chi^2$ /NDF: 10.2/10

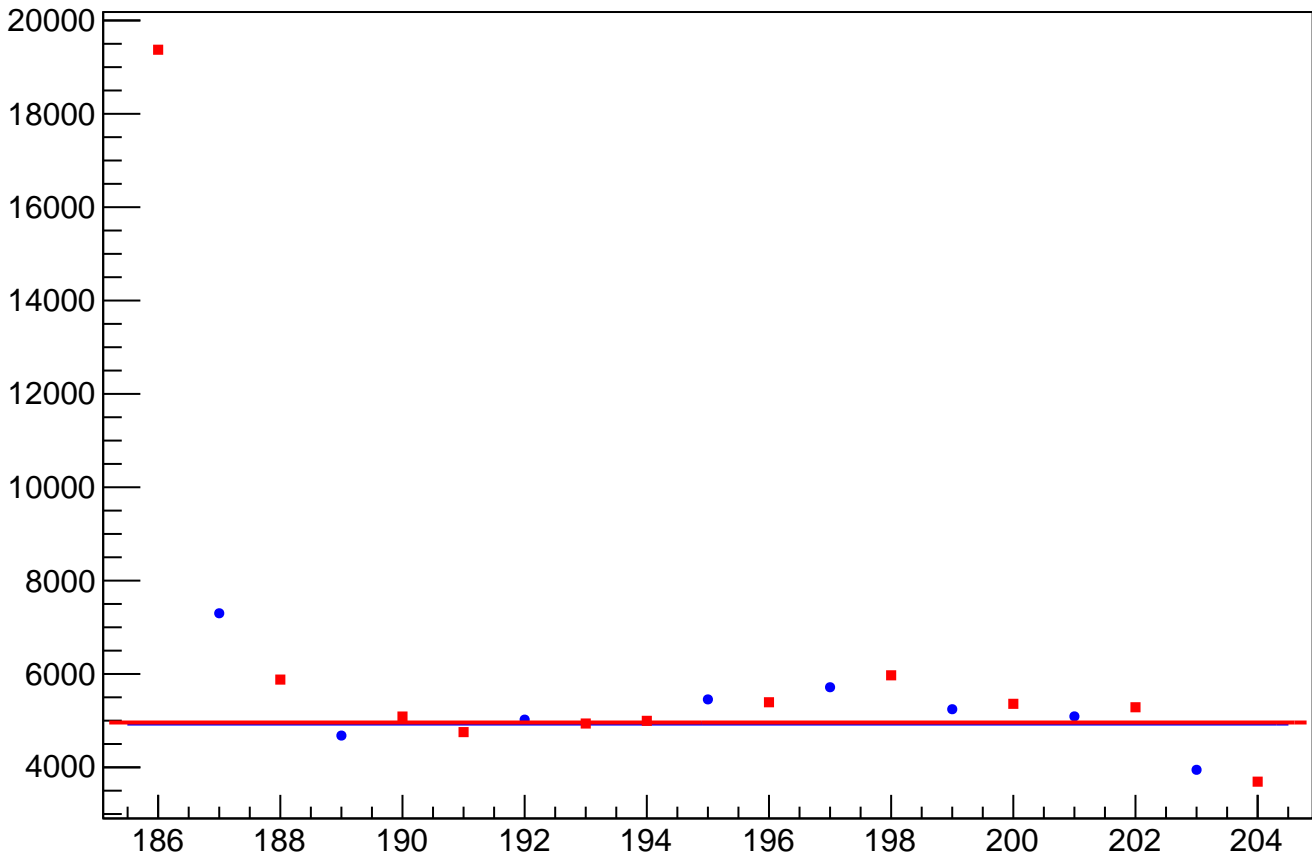
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2679.322 $\pm$ 1469.767  $\chi^2$ /NDF: 16.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam4\_rms vs Slug



Right In: 4937.512+/-1.563  $\chi^2$ /NDF: 185459.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4960.522+/-1.392  $\chi^2$ /NDF: 676395.0/10

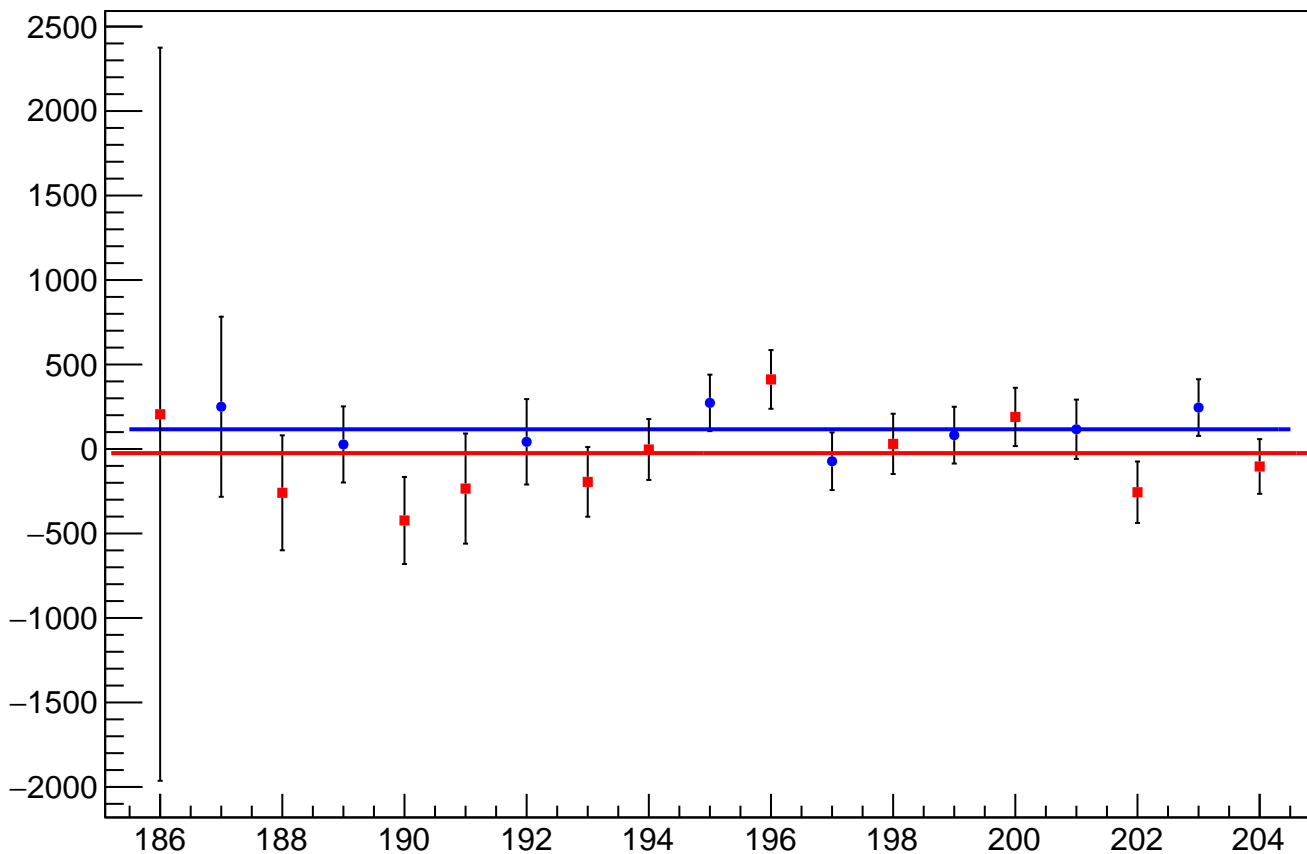
All: 4950.343+/-1.039  $\chi^2$ /NDF: 861974.9/18

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_sam5\_mean vs Slug



Right In: 116.656+/-68.616  $\chi^2$ /NDF: 3.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -24.211+/-62.716  $\chi^2$ /NDF: 13.8/10

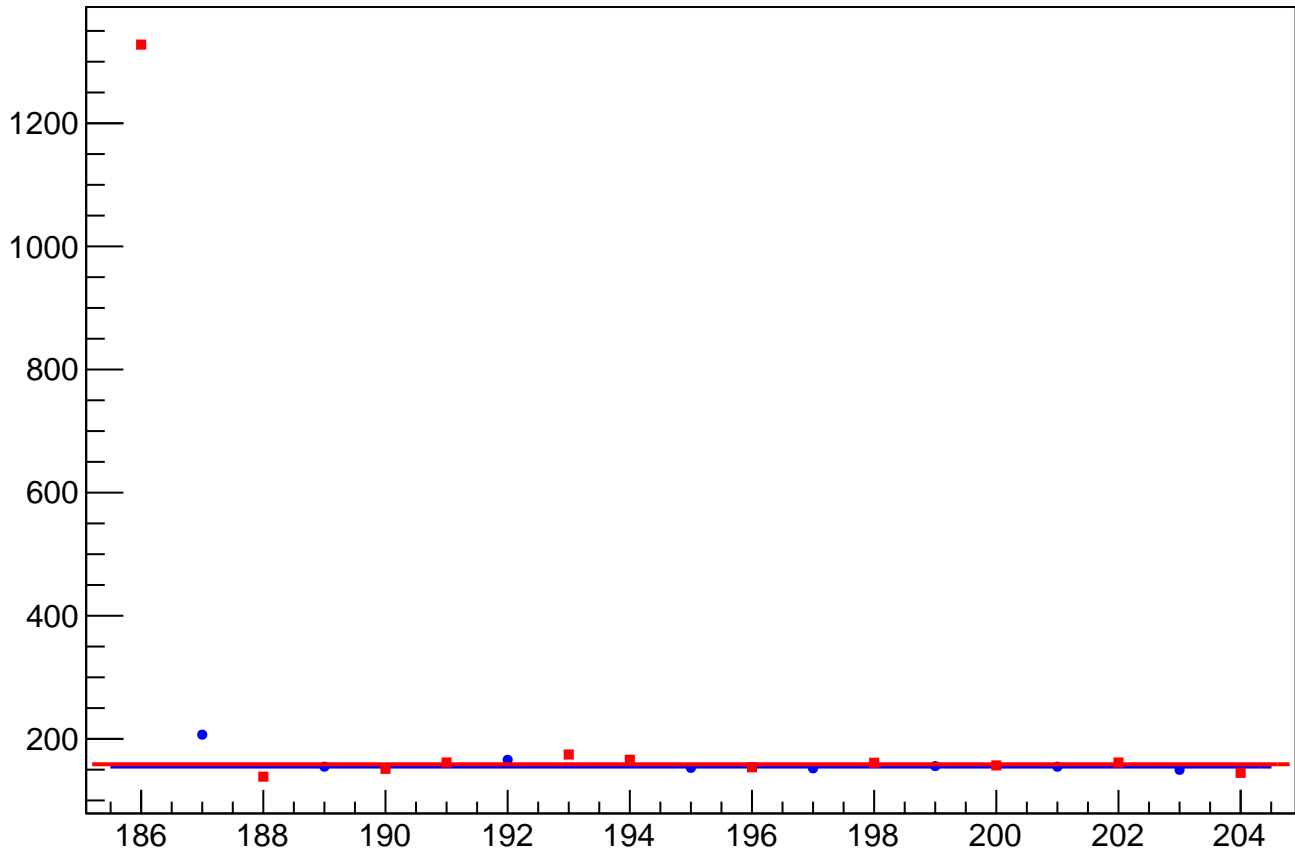
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 39.907+/-46.292  $\chi^2$ /NDF: 19.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam5\_rms vs Slug



Right In: 155.039 $\pm$ 0.049  $\chi^2$ /NDF: 25632.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 158.741 $\pm$ 0.044  $\chi^2$ /NDF: 622198.0/10

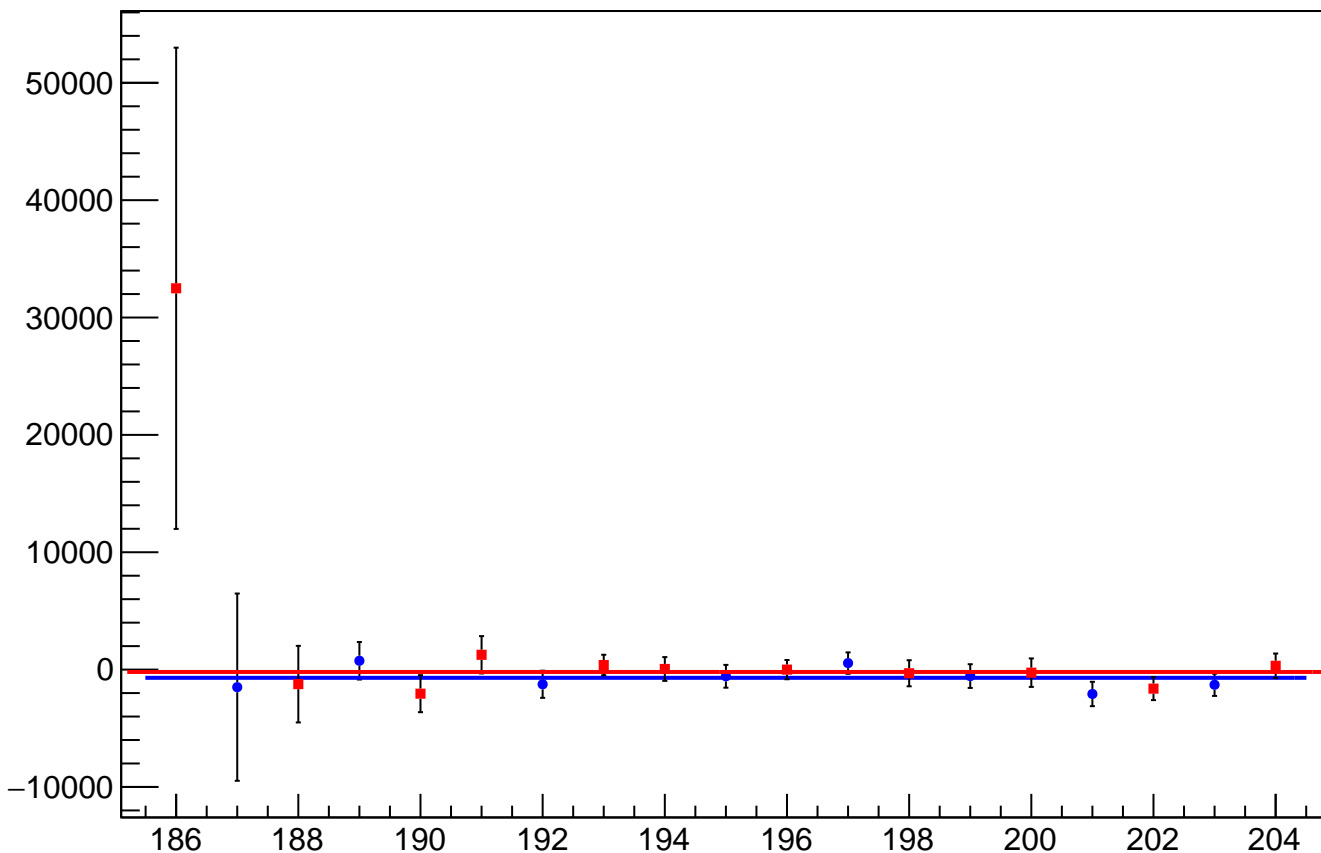
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 157.056 $\pm$ 0.033  $\chi^2$ /NDF: 651003.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam5\_correction\_mean vs Slug



Right In: -699.776+/-394.274  $\chi^2$ /NDF: 5.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -201.871+/-351.142  $\chi^2$ /NDF: 7.8/10

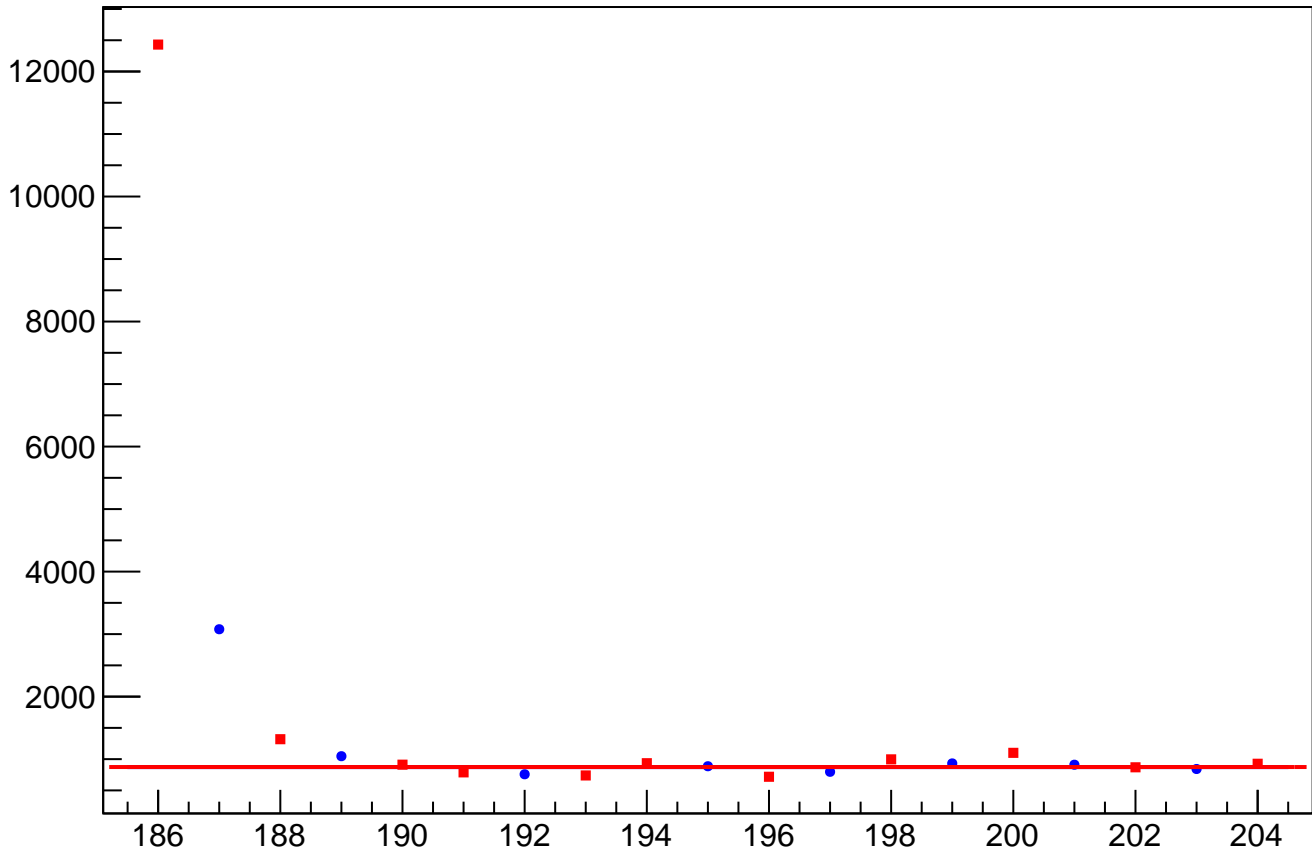
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -422.110+/-262.224  $\chi^2$ /NDF: 13.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam5\_correction\_rms vs Slug



Right In: 872.816+/-0.279  $\chi^2$ /NDF: 221817.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 873.739+/-0.248  $\chi^2$ /NDF: 905843.0/10

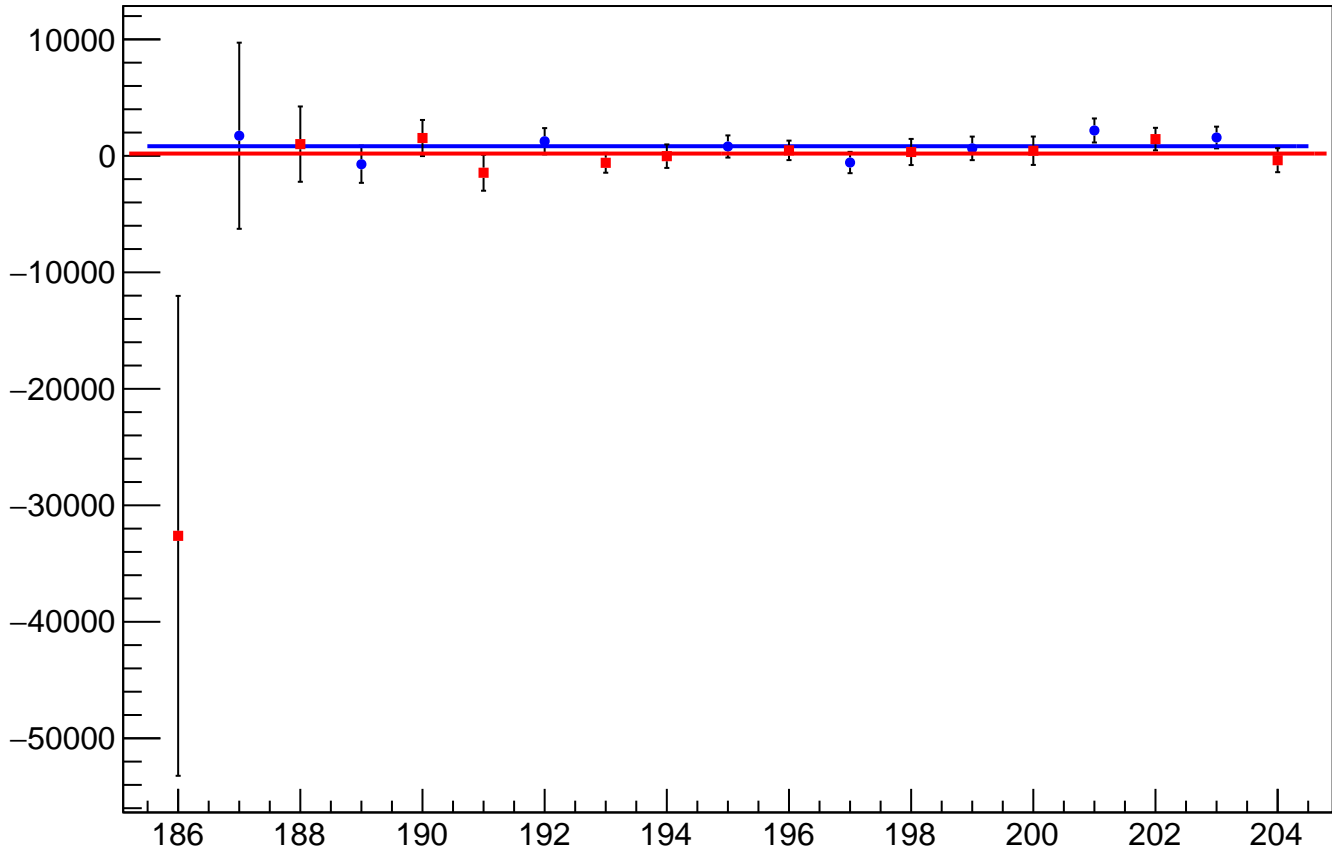
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 873.330+/-0.185  $\chi^2$ /NDF: 1127666.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam5\_mean vs Slug



Right In: 827.059+/-390.402  $\chi^2/\text{NDF}$ : 5.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 196.646+/-349.126  $\chi^2/\text{NDF}$ : 7.5/10

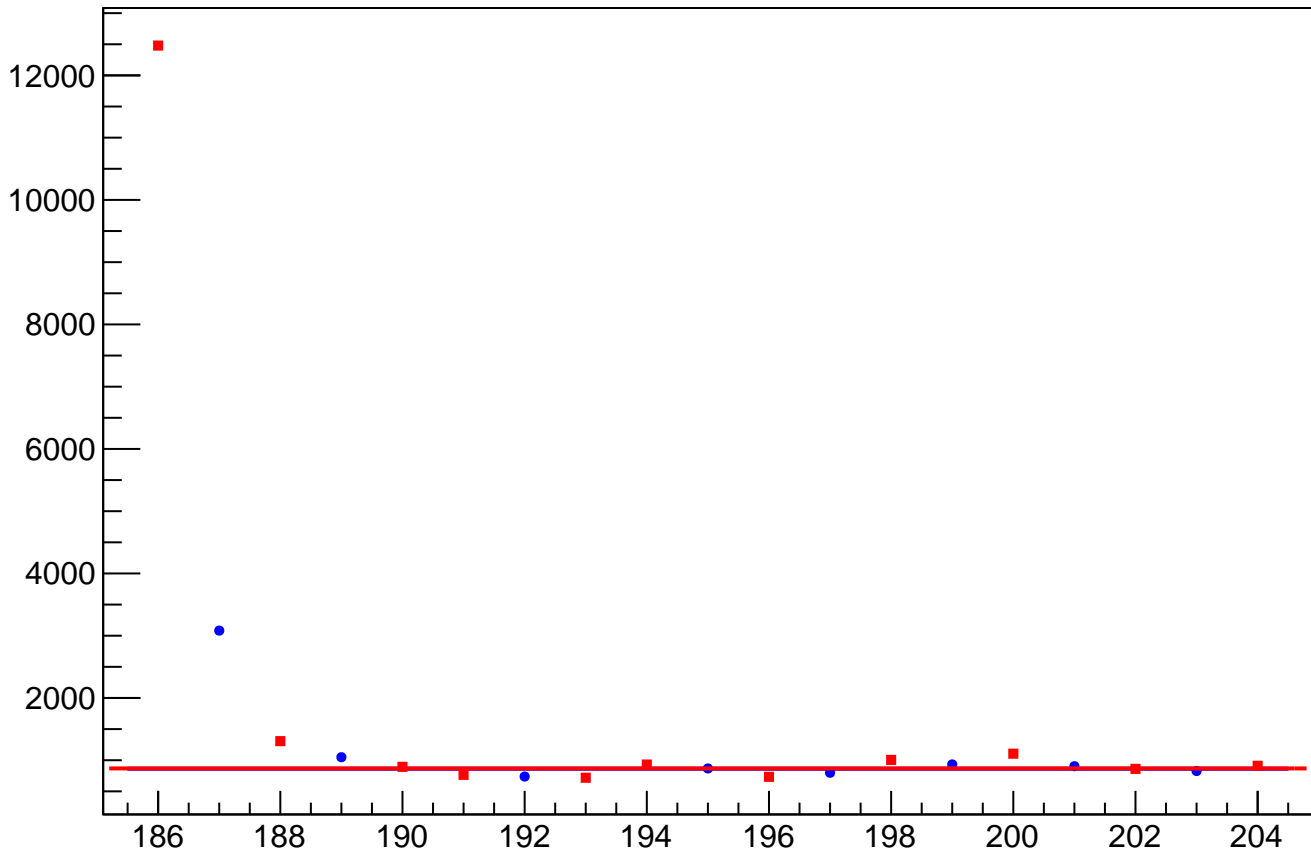
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 476.776+/-260.243  $\chi^2/\text{NDF}$ : 14.8/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam5\_rms vs Slug



Right In: 863.356 $\pm$ 0.276  $\chi^2$ /NDF: 231542.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 868.156 $\pm$ 0.247  $\chi^2$ /NDF: 912076.9/10

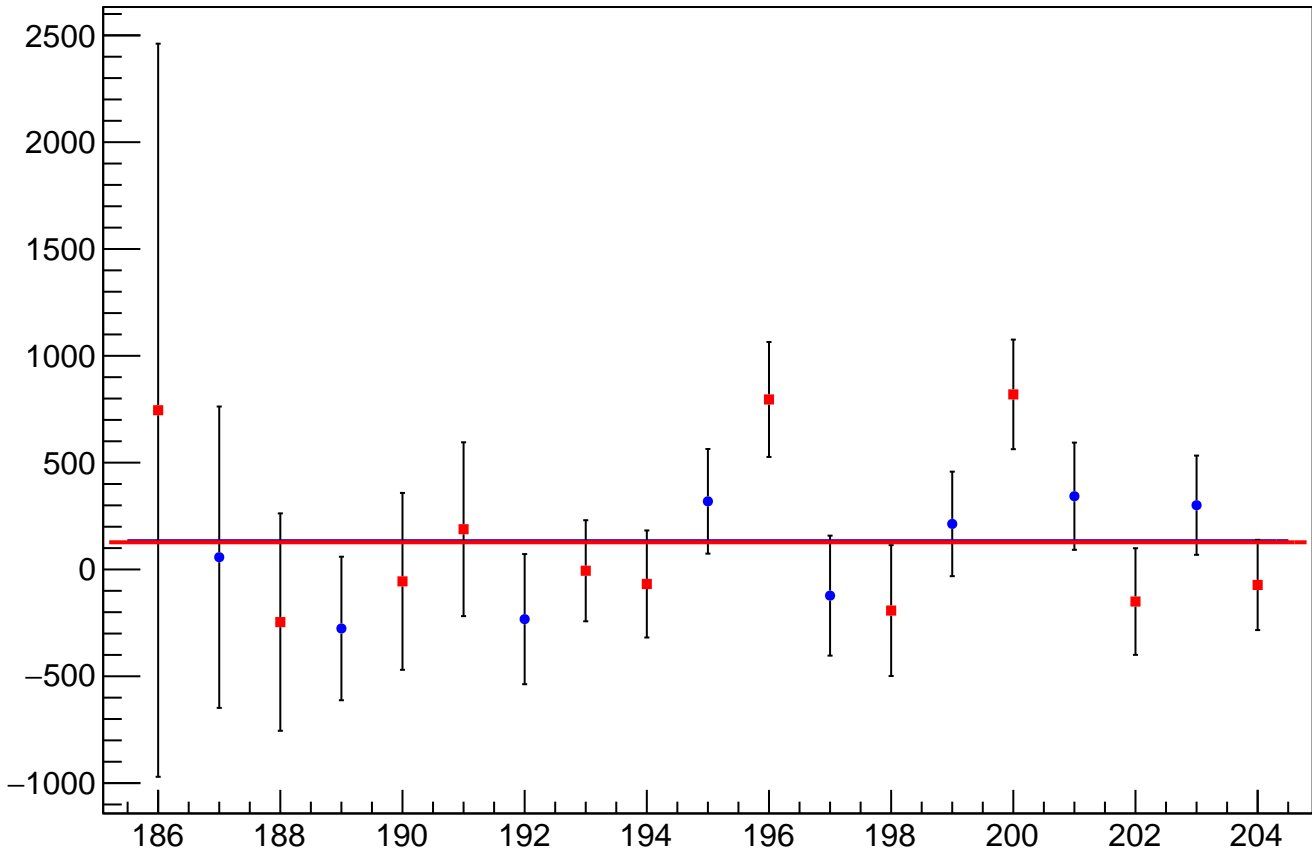
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 866.023 $\pm$ 0.184  $\chi^2$ /NDF: 1143787.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam6\_mean vs Slug



Right In: 132.254+/-98.947  $\chi^2$ /NDF: 5.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 127.238+/-88.380  $\chi^2$ /NDF: 18.5/10

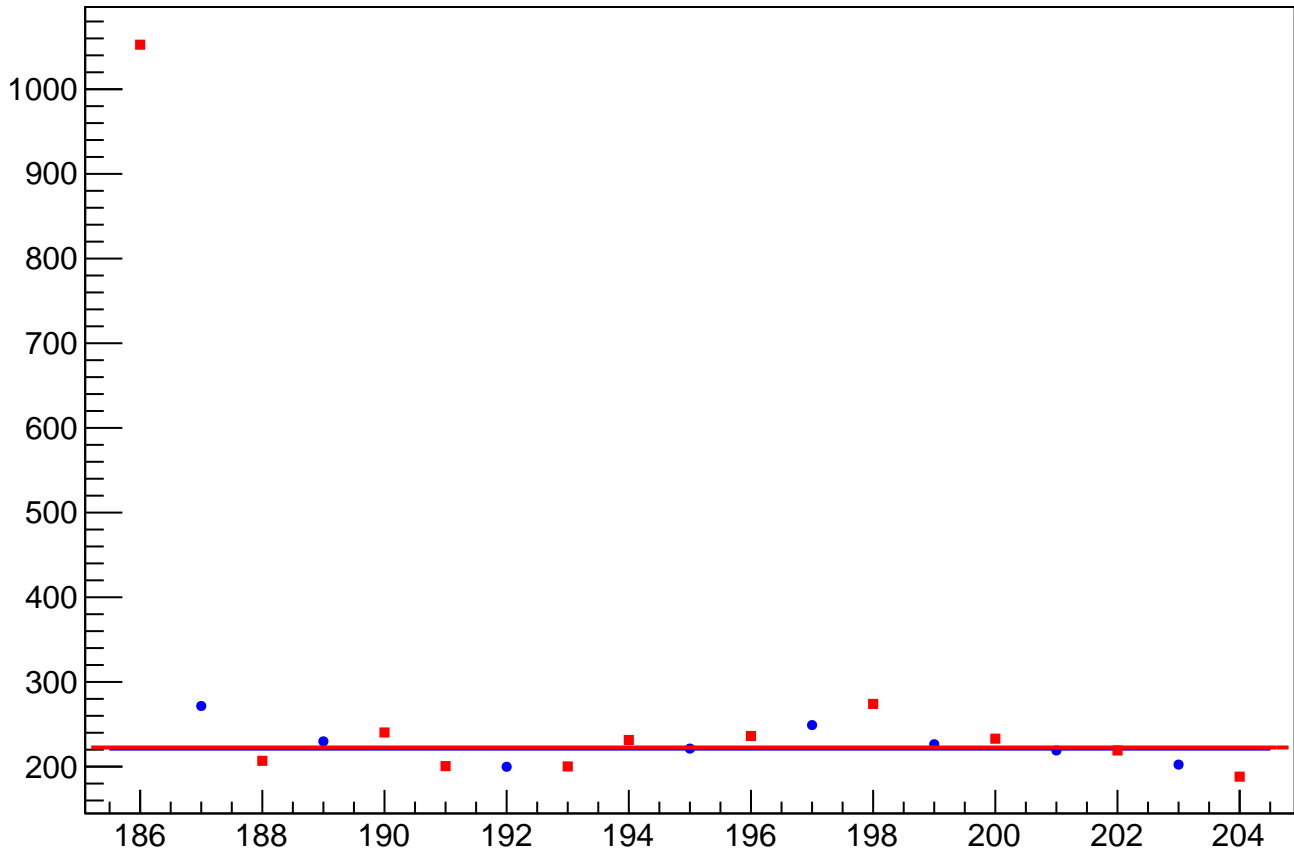
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 129.464+/-65.915  $\chi^2$ /NDF: 24.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam6\_rms vs Slug



Right In: 221.275+/-0.070  $\chi^2/\text{NDF}$ : 55229.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 222.586+/-0.062  $\chi^2/\text{NDF}$ : 618335.8/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

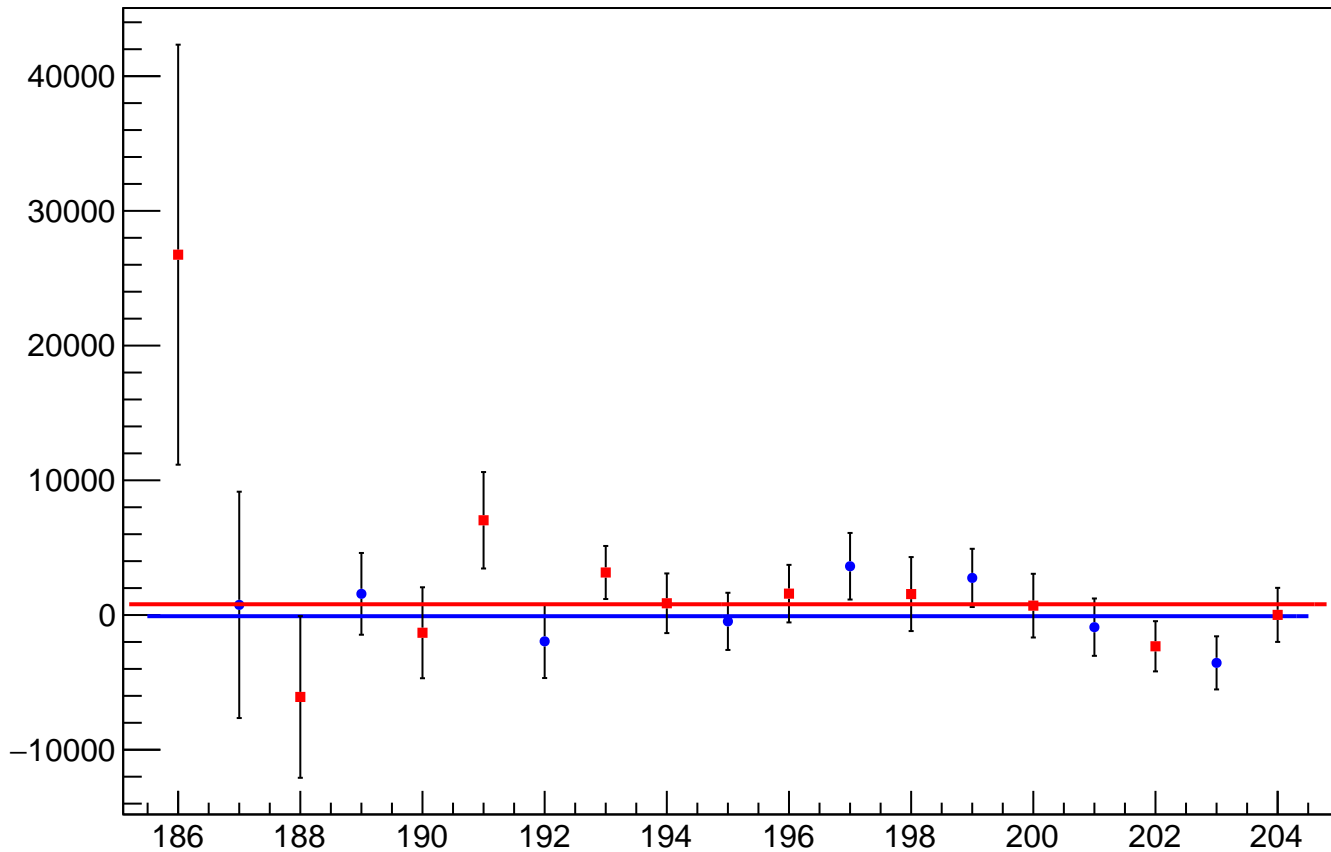
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 222.004+/-0.047  $\chi^2/\text{NDF}$ : 673760.5/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam6\_correction\_mean vs Slug



Right In: -86.623+/-865.367  $\chi^2/\text{NDF}$ : 8.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 799.449+/-761.094  $\chi^2/\text{NDF}$ : 12.1/10

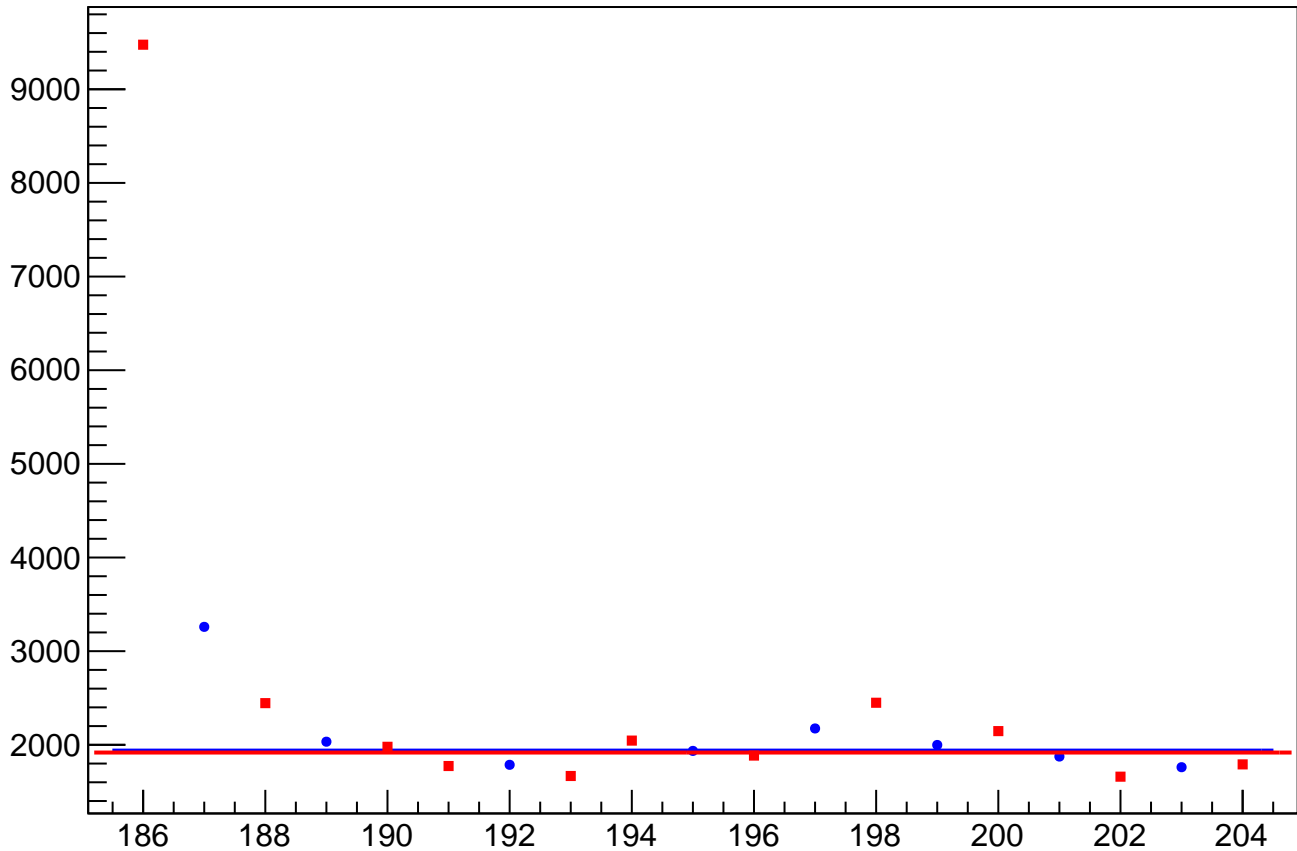
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 412.987+/-571.504  $\chi^2/\text{NDF}$ : 20.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam6\_correction\_rms vs Slug



Right In: 1938.209+/-0.612  $\chi^2/\text{NDF}$ : 95444.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

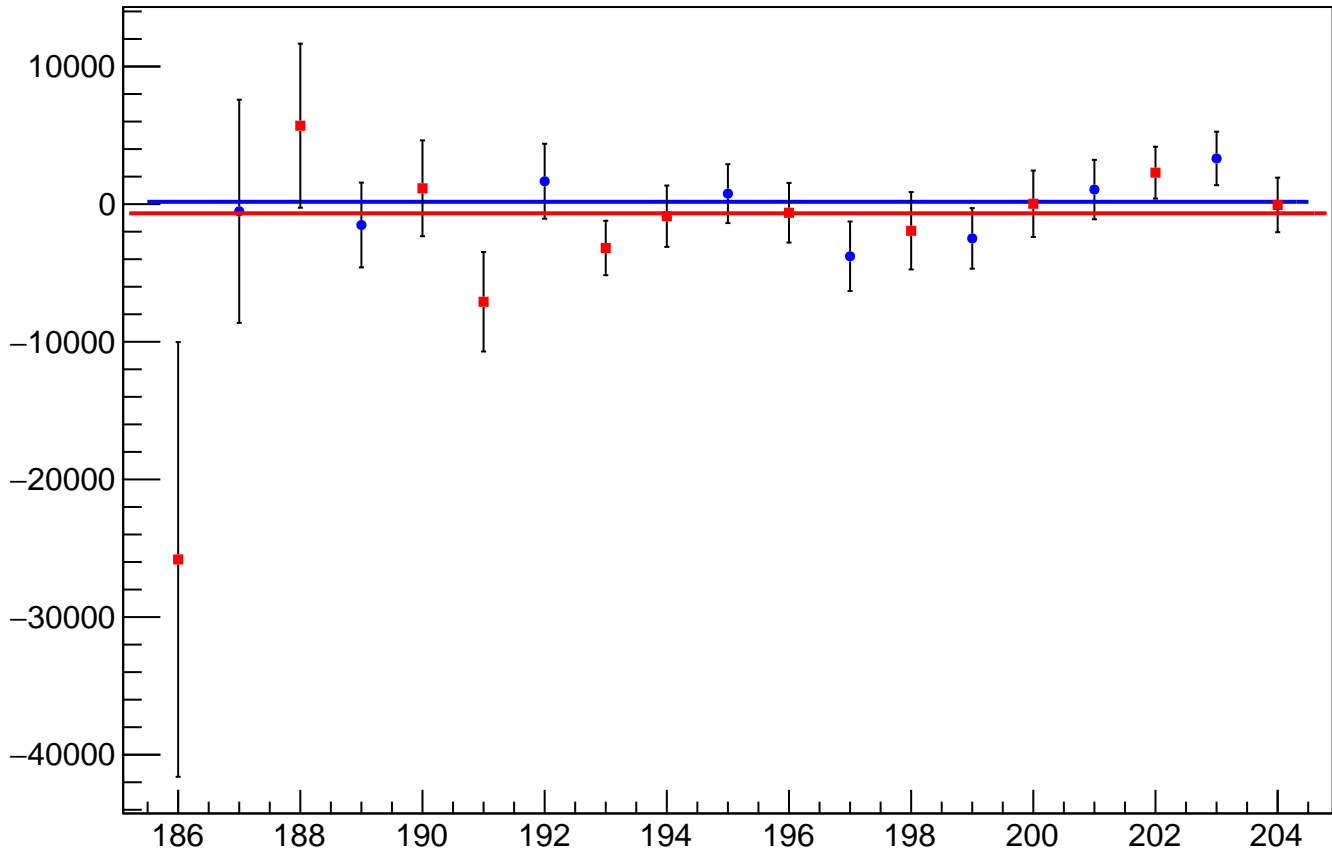
Right Out: 1917.627+/-0.538  $\chi^2/\text{NDF}$ : 668824.3/10

All: 1926.604+/-0.404  $\chi^2/\text{NDF}$ : 764906.8/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam6\_mean vs Slug



Right In: 169.601 $\pm$ 871.463  $\chi^2$ /NDF: 7.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -664.492 $\pm$ 768.006  $\chi^2$ /NDF: 11.6/10

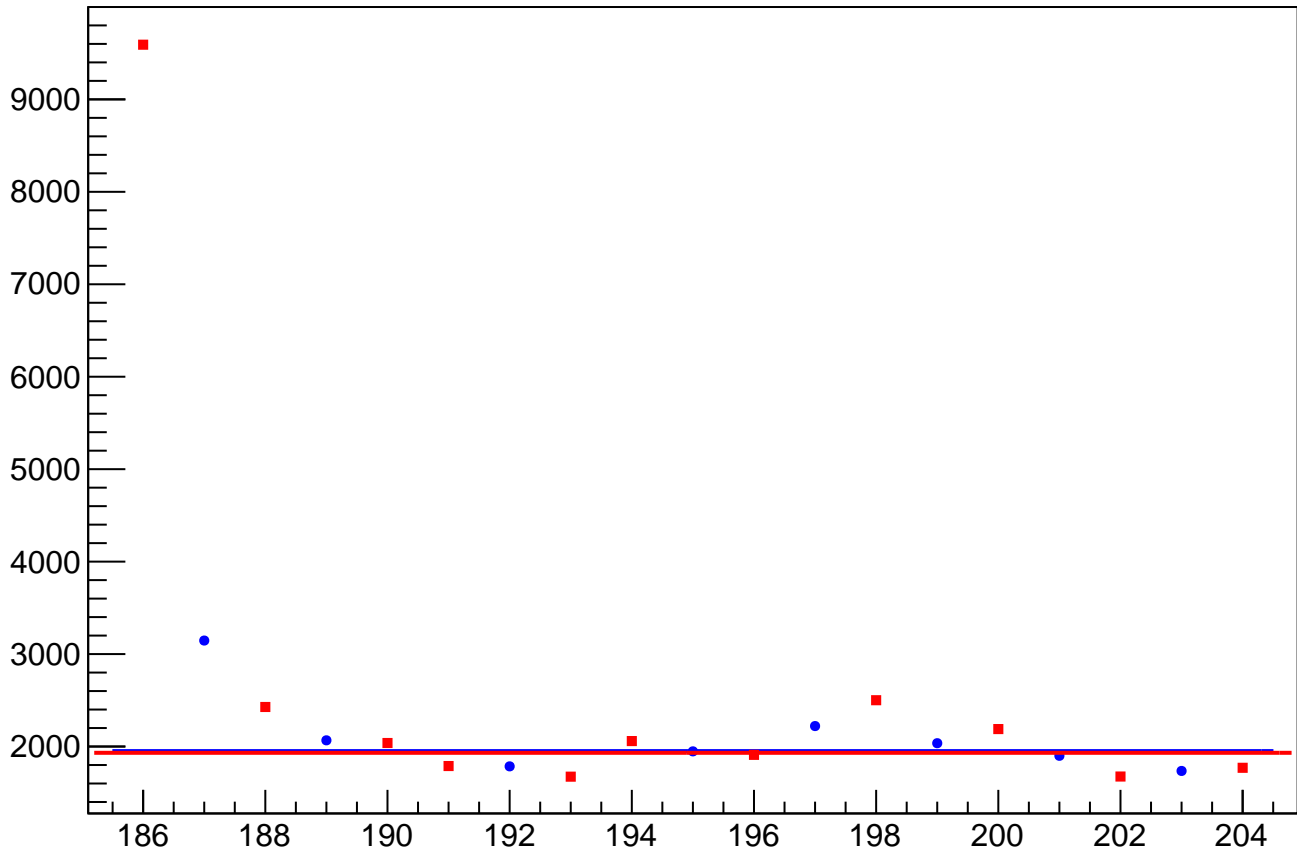
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -299.872 $\pm$ 576.185  $\chi^2$ /NDF: 19.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam6\_rms vs Slug



Right In: 1950.485+/-0.616  $\chi^2/\text{NDF}$ : 105251.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

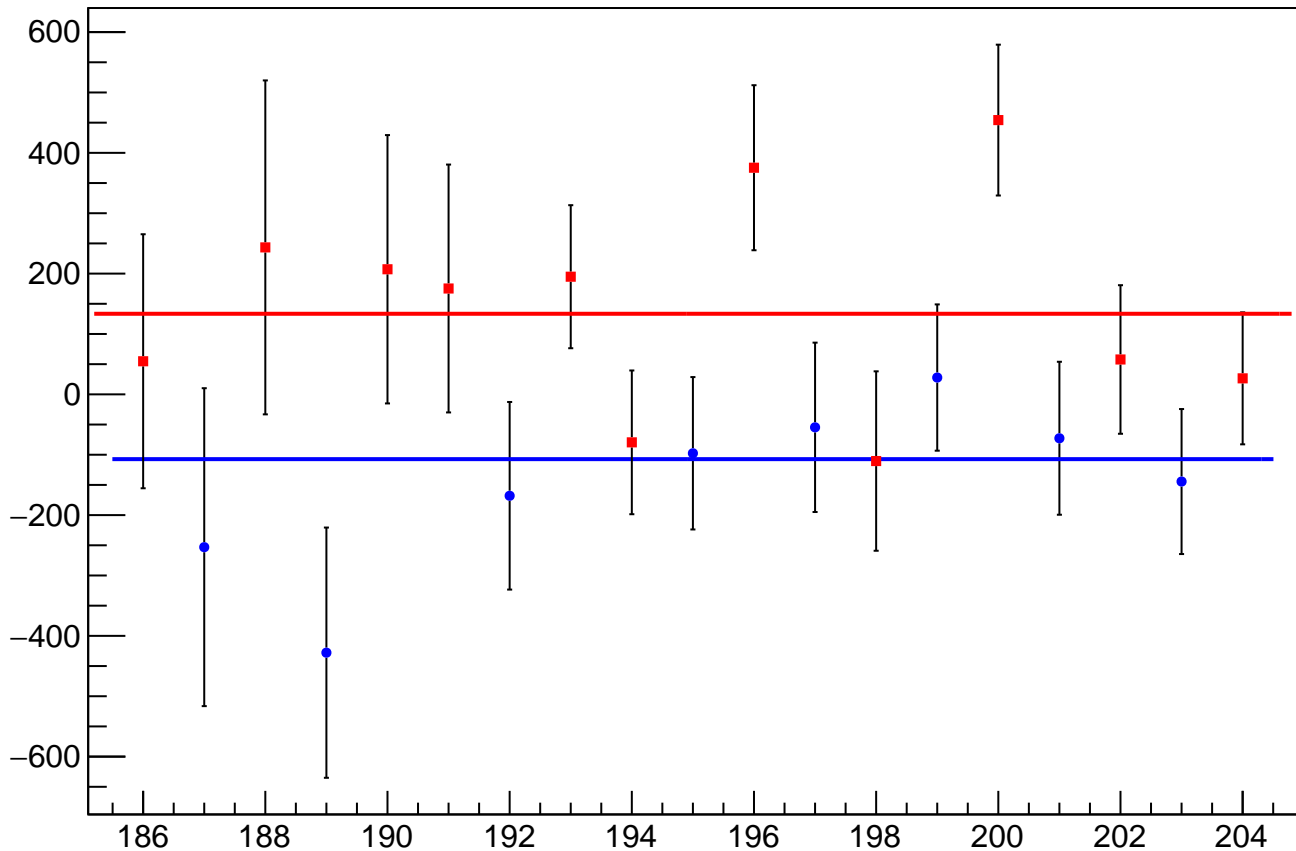
Right Out: 1932.077+/-0.543  $\chi^2/\text{NDF}$ : 685025.8/10

All: 1940.124+/-0.407  $\chi^2/\text{NDF}$ : 790779.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam7\_mean vs Slug



Right In:  $-107.307 \pm 50.472$   $\chi^2/\text{NDF}$ : 4.4/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $133.468 \pm 43.268$   $\chi^2/\text{NDF}$ : 17.7/10

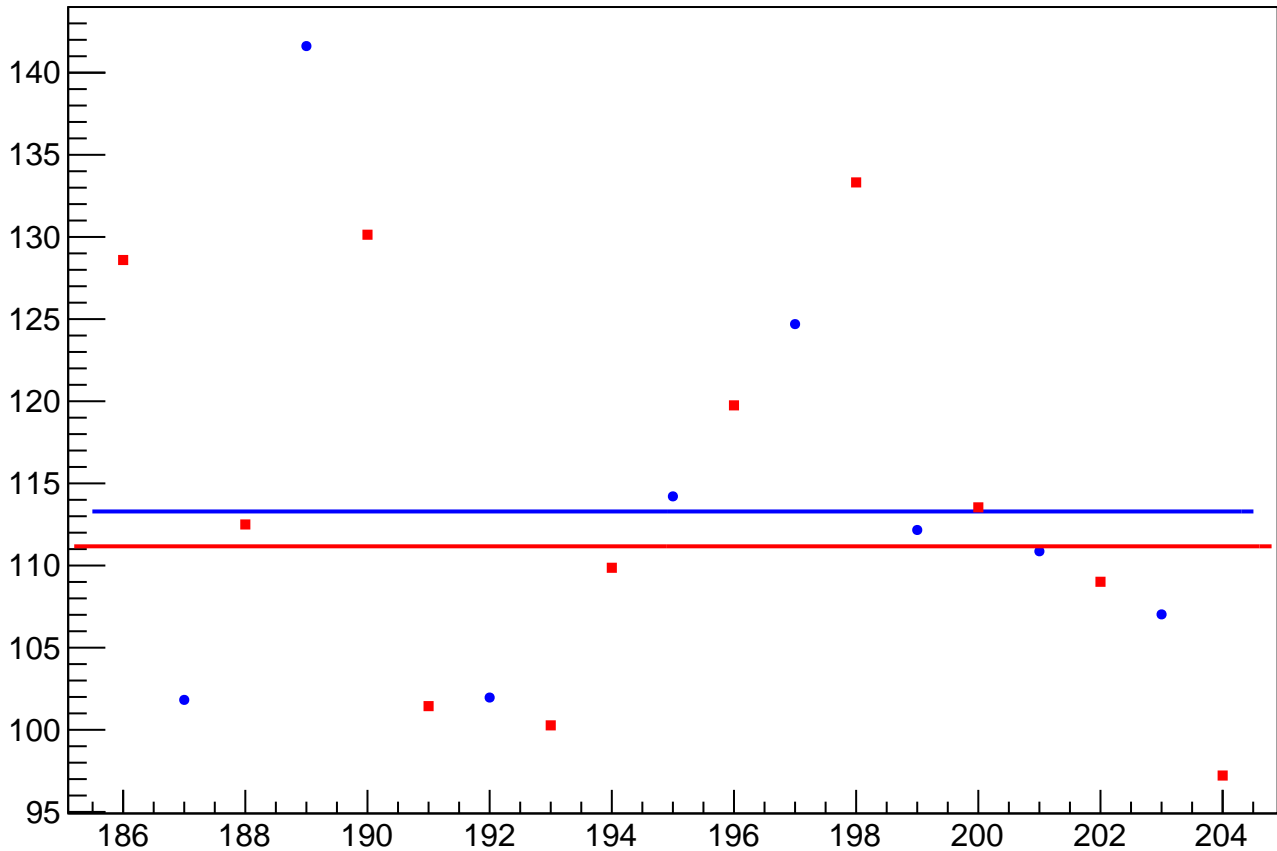
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $31.477 \pm 32.849$   $\chi^2/\text{NDF}$ : 35.2/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam7\_rms vs Slug



Right In: 113.291 $\pm$ 0.036  $\chi^2$ /NDF: 71471.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 111.169 $\pm$ 0.031  $\chi^2$ /NDF: 136247.2/10

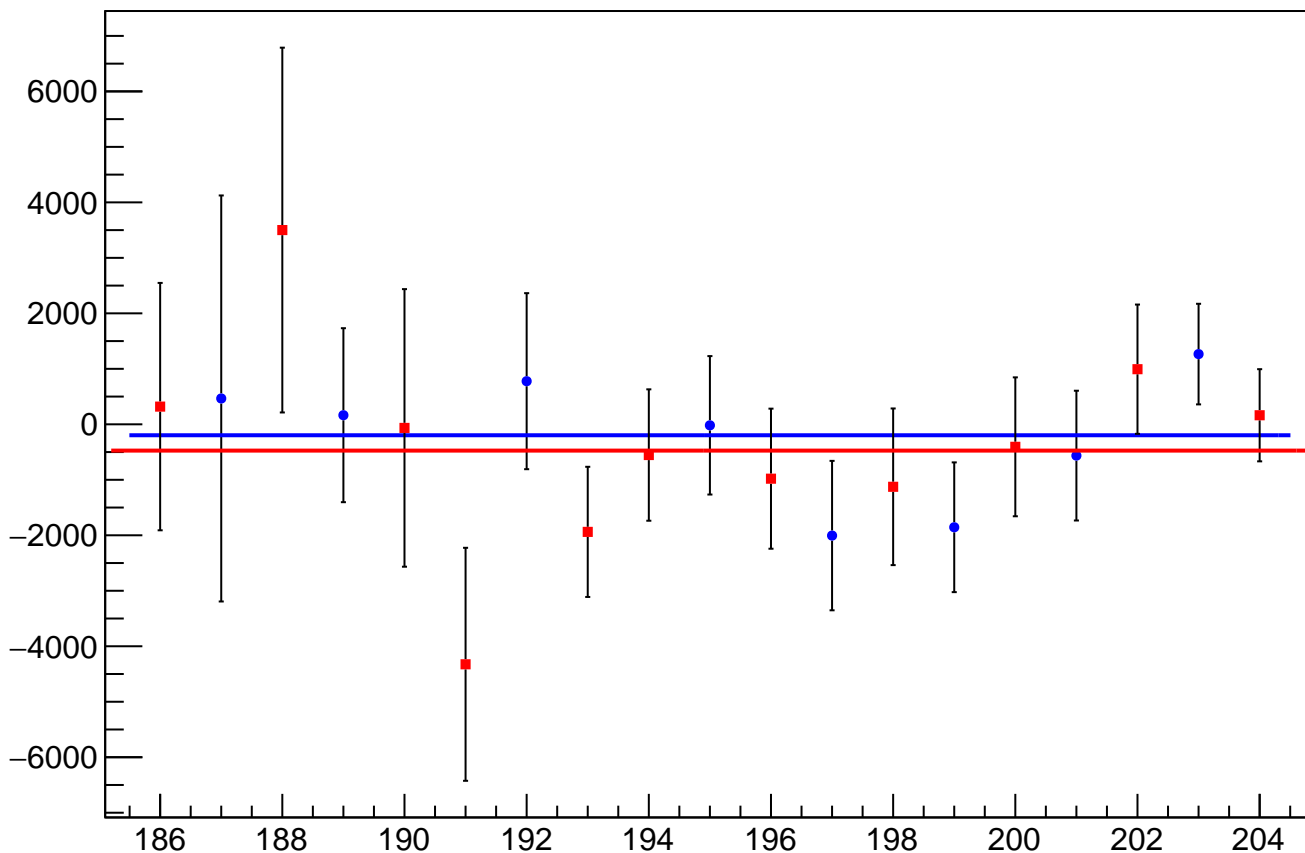
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 112.068 $\pm$ 0.023  $\chi^2$ /NDF: 209756.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam7\_correction\_mean vs Slug



Right In:  $-197.146 \pm 458.711$   $\chi^2/\text{NDF}: 7.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-473.732 \pm 405.725$   $\chi^2/\text{NDF}: 9.1/10$

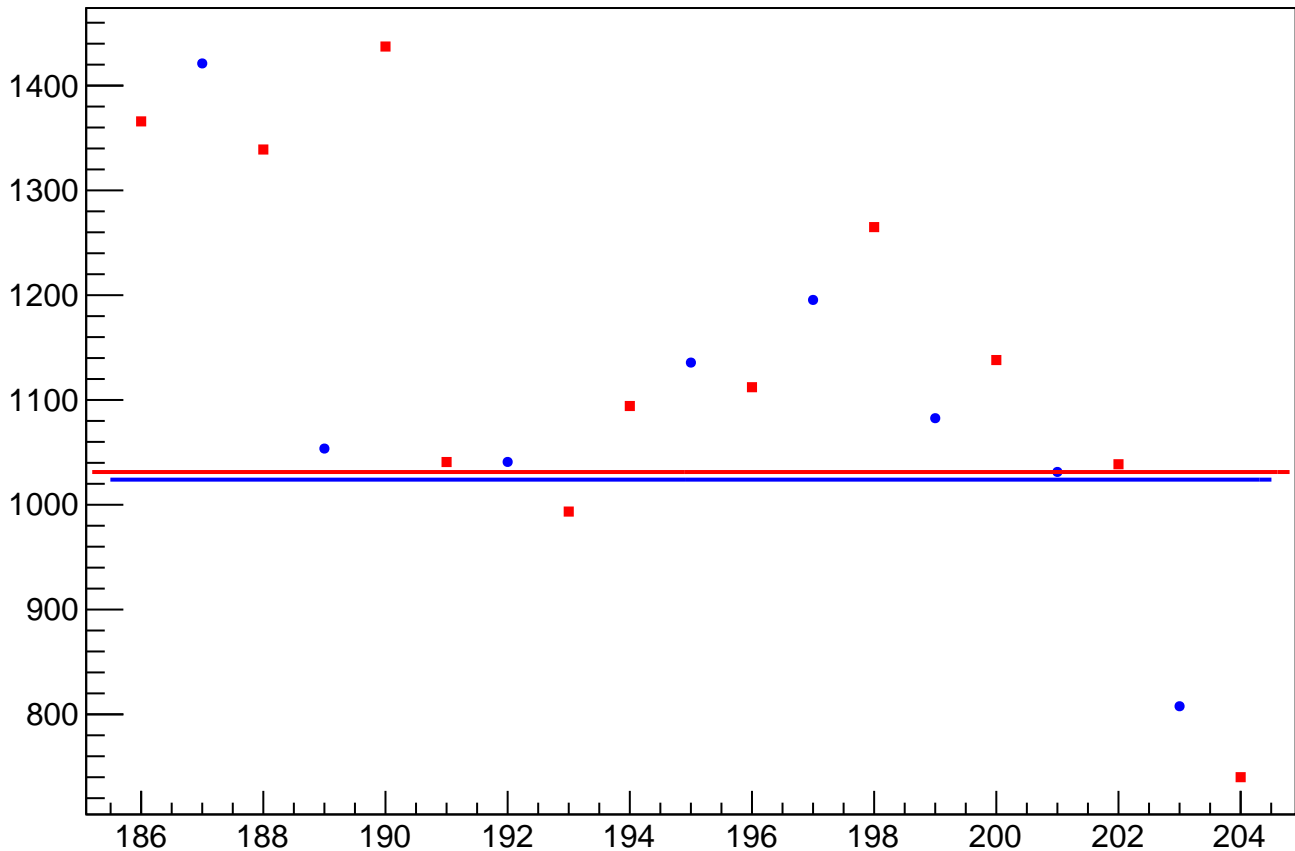
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-352.329 \pm 303.906$   $\chi^2/\text{NDF}: 16.3/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam7\_correction\_rms vs Slug



Right In: 1023.975 $\pm$ 0.324  $\chi^2$ /NDF: 191879.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1031.242 $\pm$ 0.287  $\chi^2$ /NDF: 446649.2/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

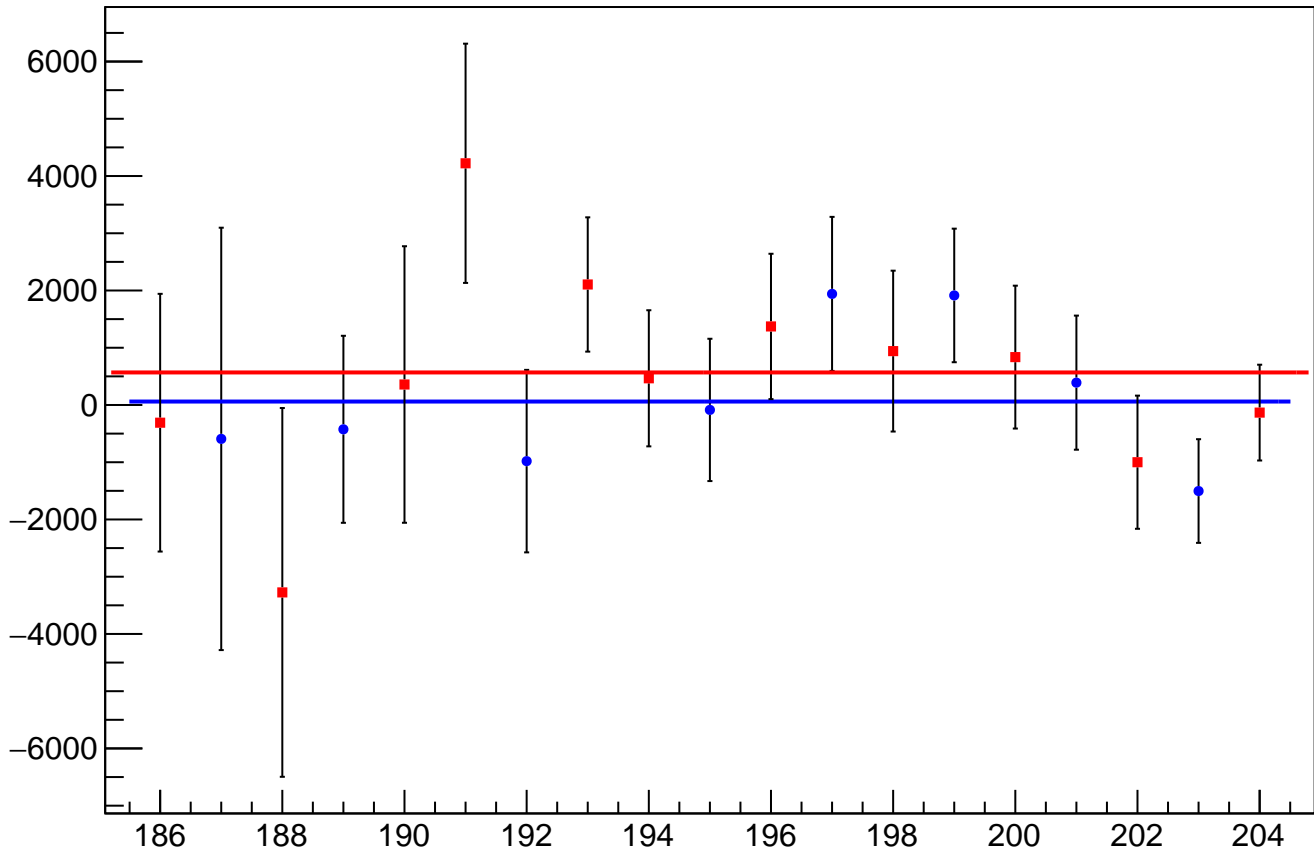
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1028.052 $\pm$ 0.215  $\chi^2$ /NDF: 638810.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam7\_mean vs Slug



Right In: 60.209+/-460.091  $\chi^2$ /NDF: 8.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 568.478+/-406.074  $\chi^2$ /NDF: 9.4/10

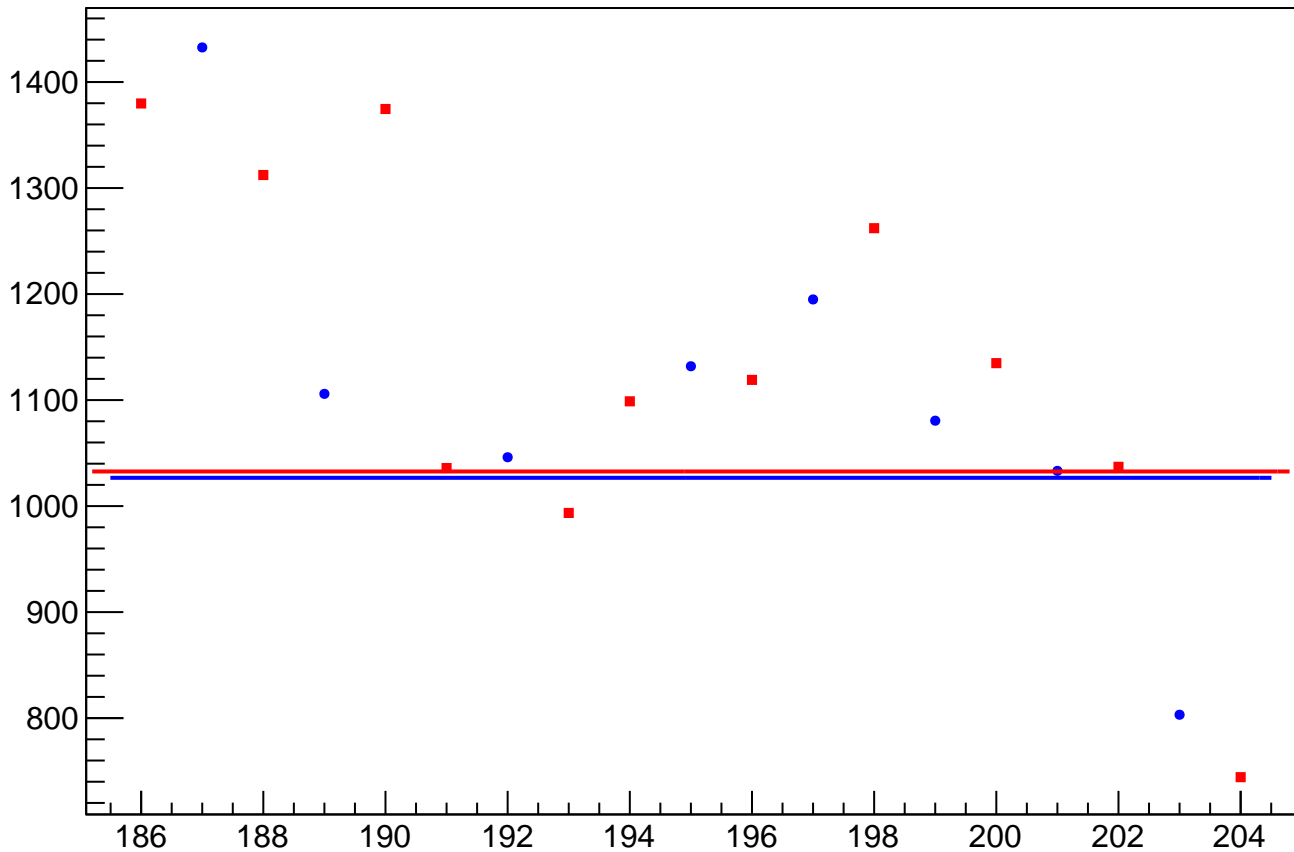
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 345.917+/-304.453  $\chi^2$ /NDF: 18.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam7\_rms vs Slug



Right In: 1026.672 $\pm$ 0.325  $\chi^2$ /NDF: 200954.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1032.657 $\pm$ 0.287  $\chi^2$ /NDF: 424682.7/10

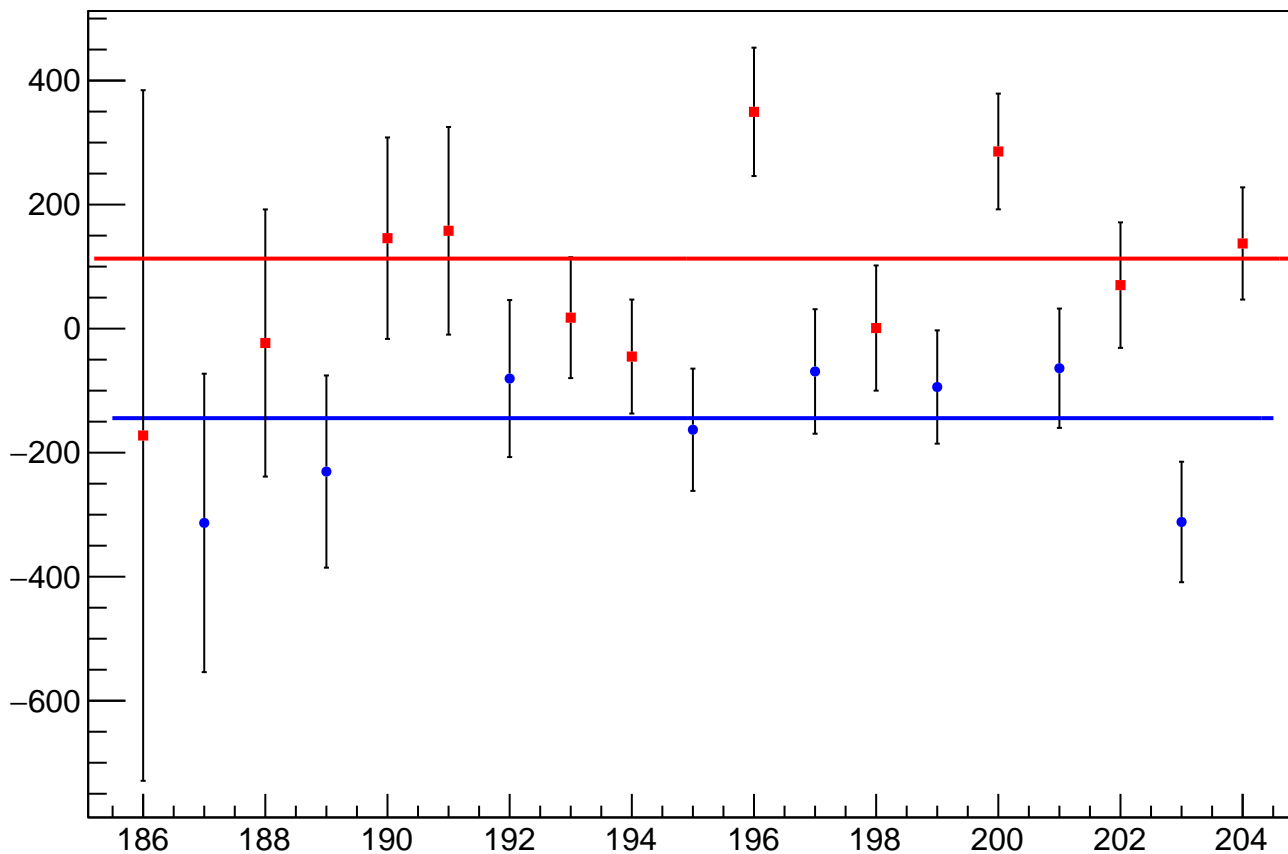
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1030.037 $\pm$ 0.215  $\chi^2$ /NDF: 625827.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam8\_mean vs Slug



Right In:  $-144.359 \pm 39.003$   $\chi^2/\text{NDF}: 5.6/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $112.922 \pm 34.335$   $\chi^2/\text{NDF}: 14.8/10$

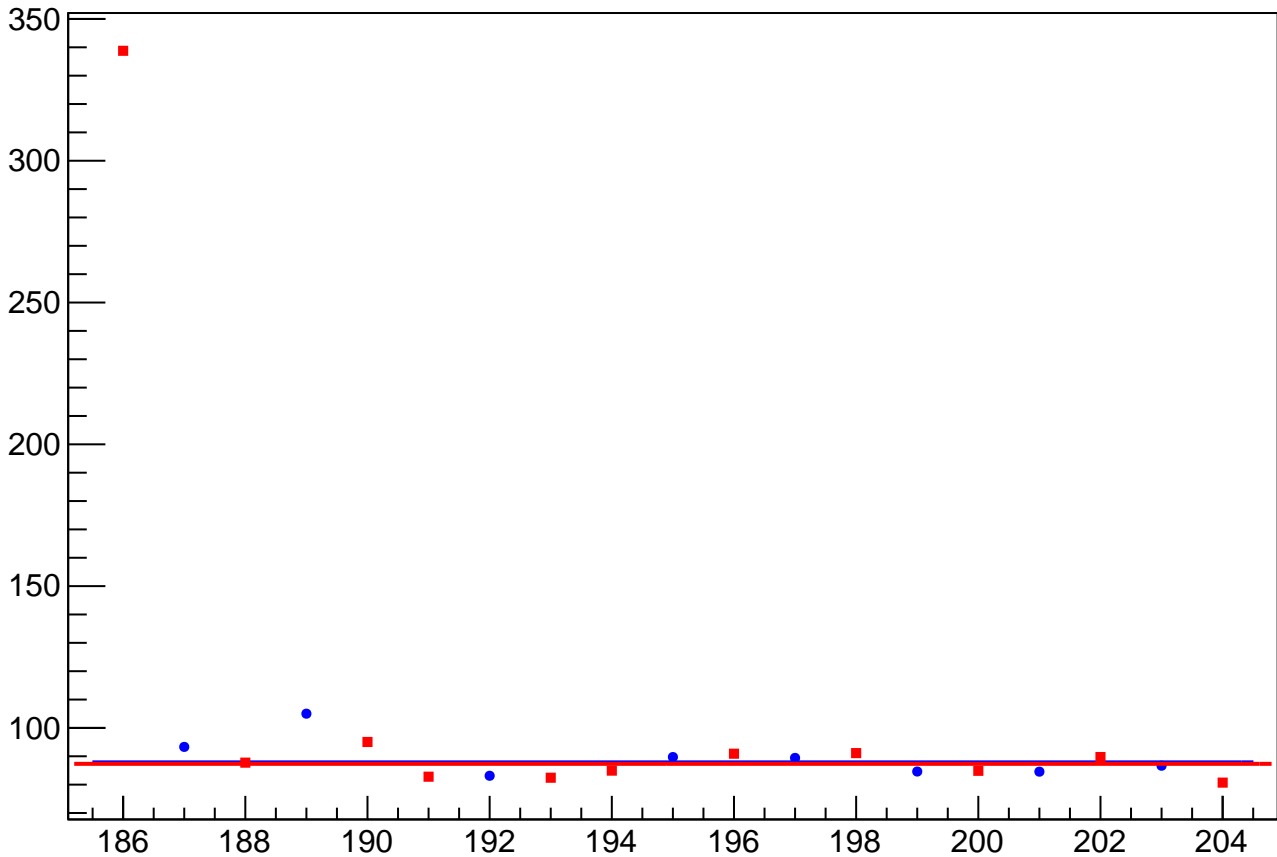
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $0.590 \pm 25.772$   $\chi^2/\text{NDF}: 45.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_asym\_sam8\_rms vs Slug



Right In: 87.849+/-0.028  $\chi^2$ /NDF: 34681.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 87.334+/-0.024  $\chi^2$ /NDF: 438674.3/10

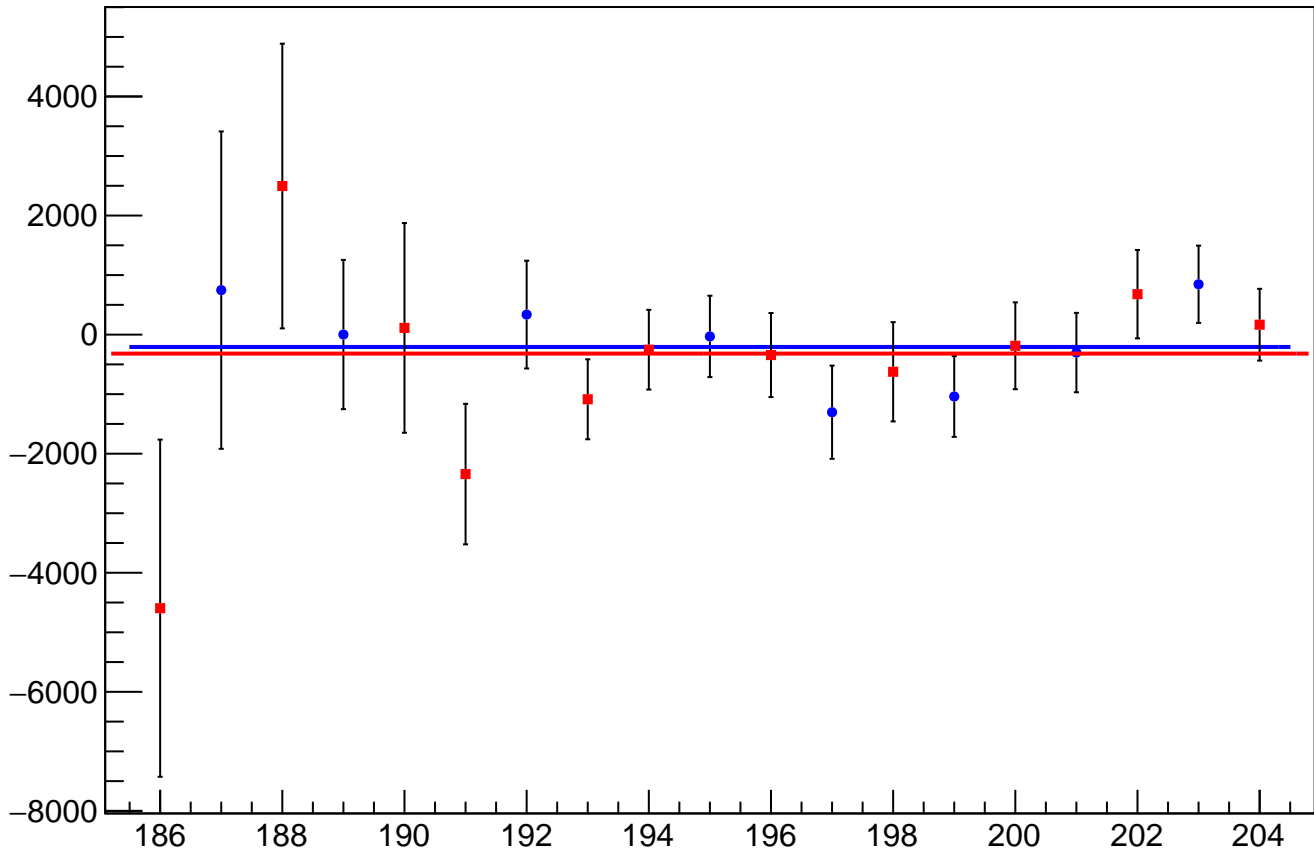
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 87.559+/-0.018  $\chi^2$ /NDF: 473552.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam8\_correction\_mean vs Slug



Right In:  $-207.134 \pm 282.074$   $\chi^2/\text{NDF}$ : 6.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-318.865 \pm 252.563$   $\chi^2/\text{NDF}$ : 10.6/10

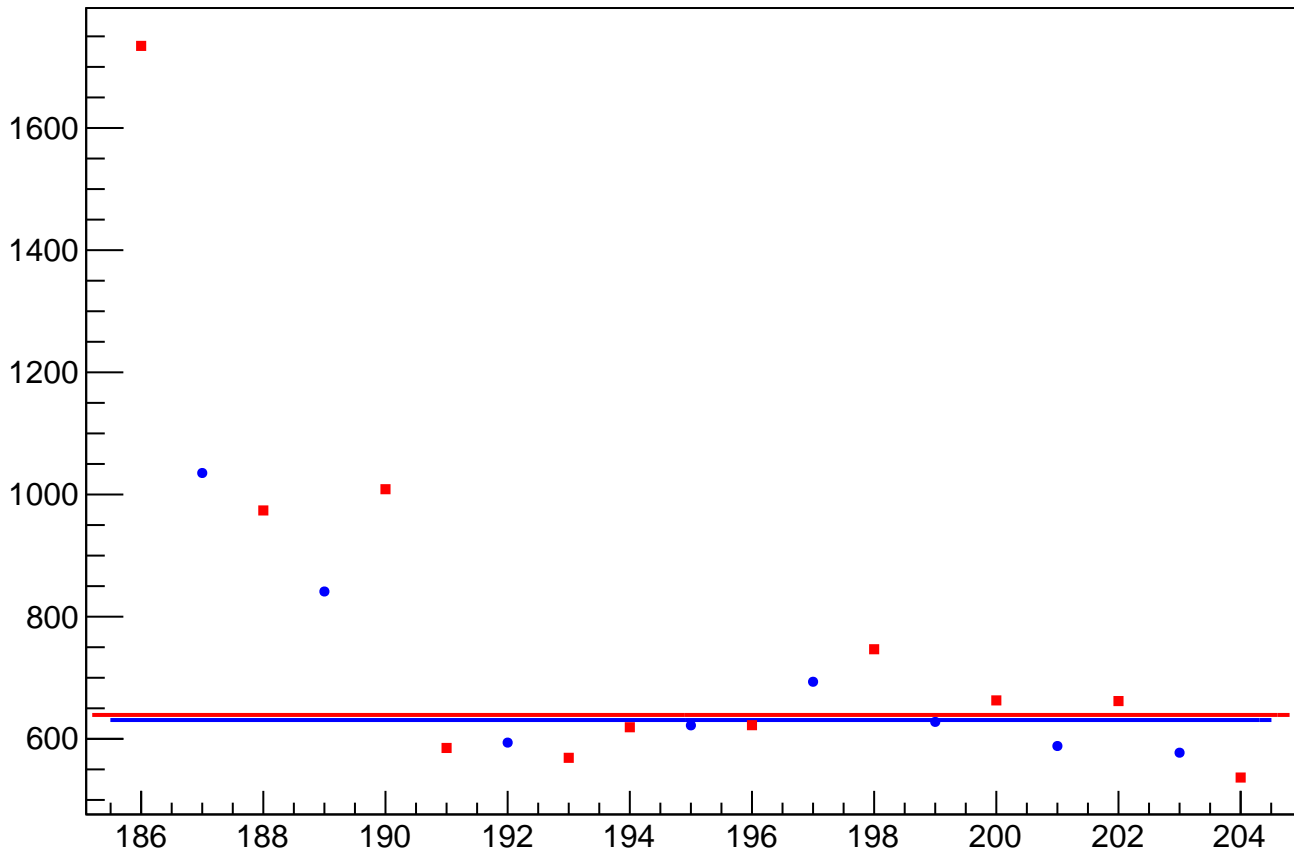
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-269.148 \pm 188.160$   $\chi^2/\text{NDF}$ : 17.4/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam8\_correction\_rms vs Slug



Right In: 630.815+/-0.199  $\chi^2/\text{NDF}$ : 140608.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 639.141+/-0.179  $\chi^2/\text{NDF}$ : 550455.8/10

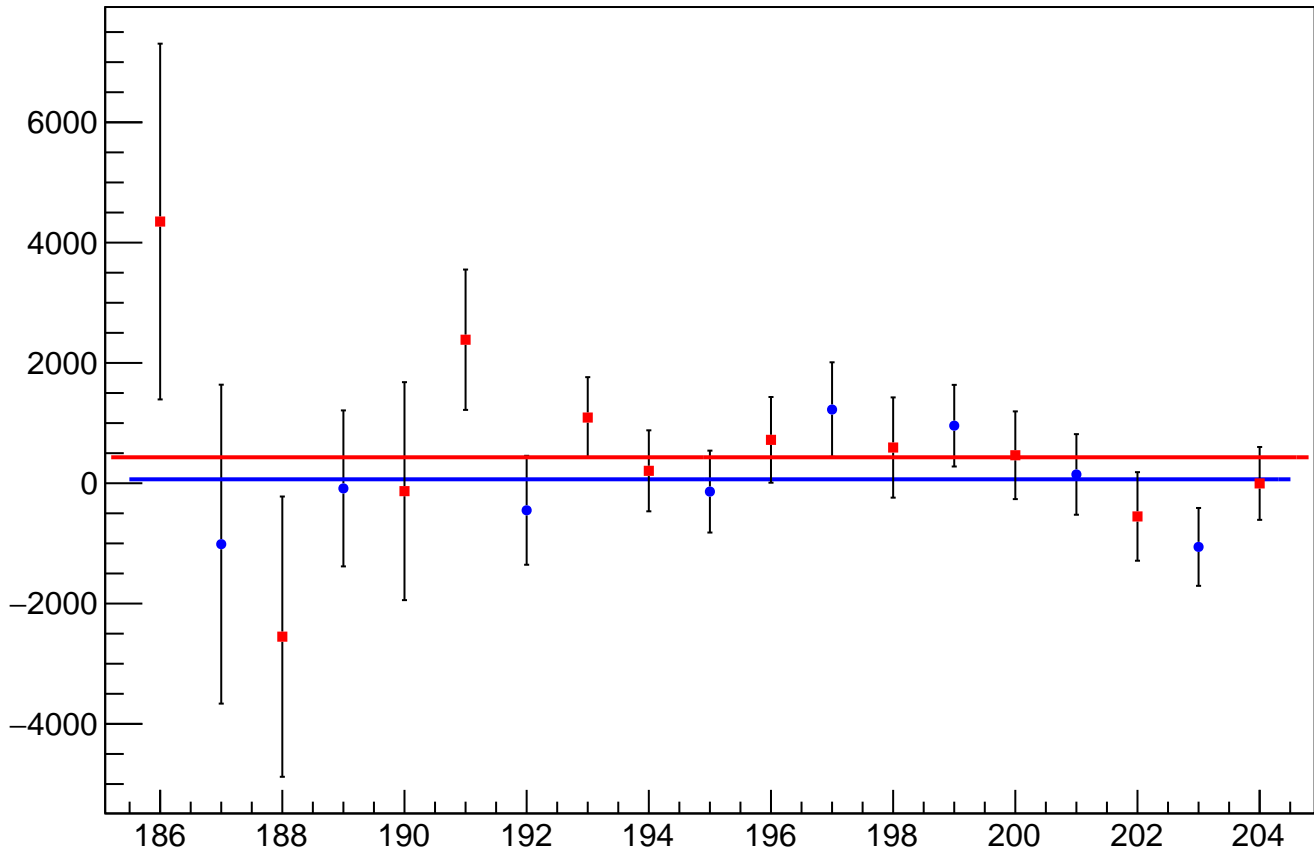
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 635.436+/-0.133  $\chi^2/\text{NDF}$ : 692031.4/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam8\_mean vs Slug



Right In: 65.556 $\pm$ 282.591  $\chi^2$ /NDF: 7.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 431.643 $\pm$ 252.969  $\chi^2$ /NDF: 9.9/10

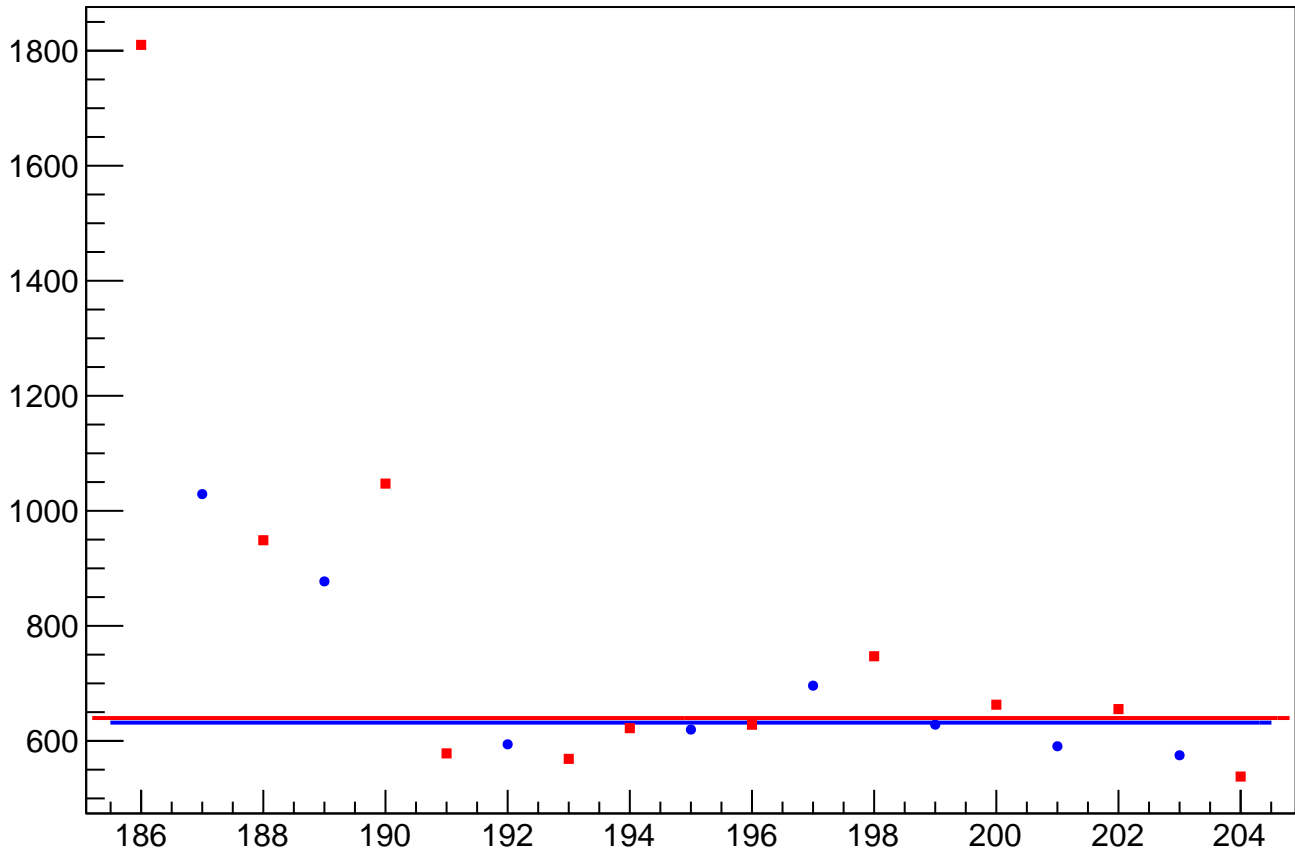
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 268.786 $\pm$ 188.482  $\chi^2$ /NDF: 18.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam8\_rms vs Slug



Right In: 631.785 $\pm$ 0.200  $\chi^2$ /NDF: 157068.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 639.788 $\pm$ 0.179  $\chi^2$ /NDF: 572164.6/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

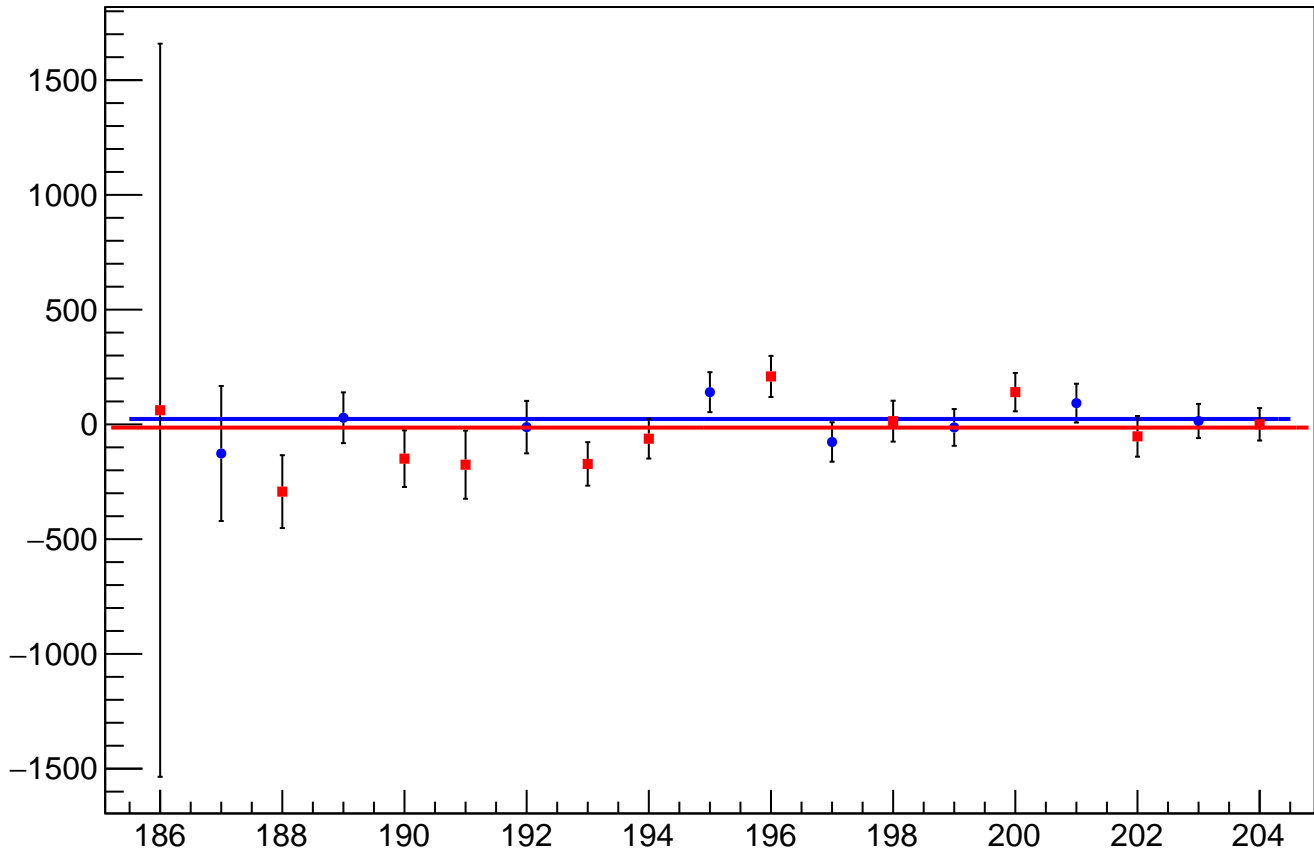
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 636.228 $\pm$ 0.133  $\chi^2$ /NDF: 730123.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_sam\_15\_avg\_mean vs Slug



Right In: 23.681+/-33.080  $\chi^2$ /NDF: 4.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -13.915+/-29.919  $\chi^2$ /NDF: 18.5/10

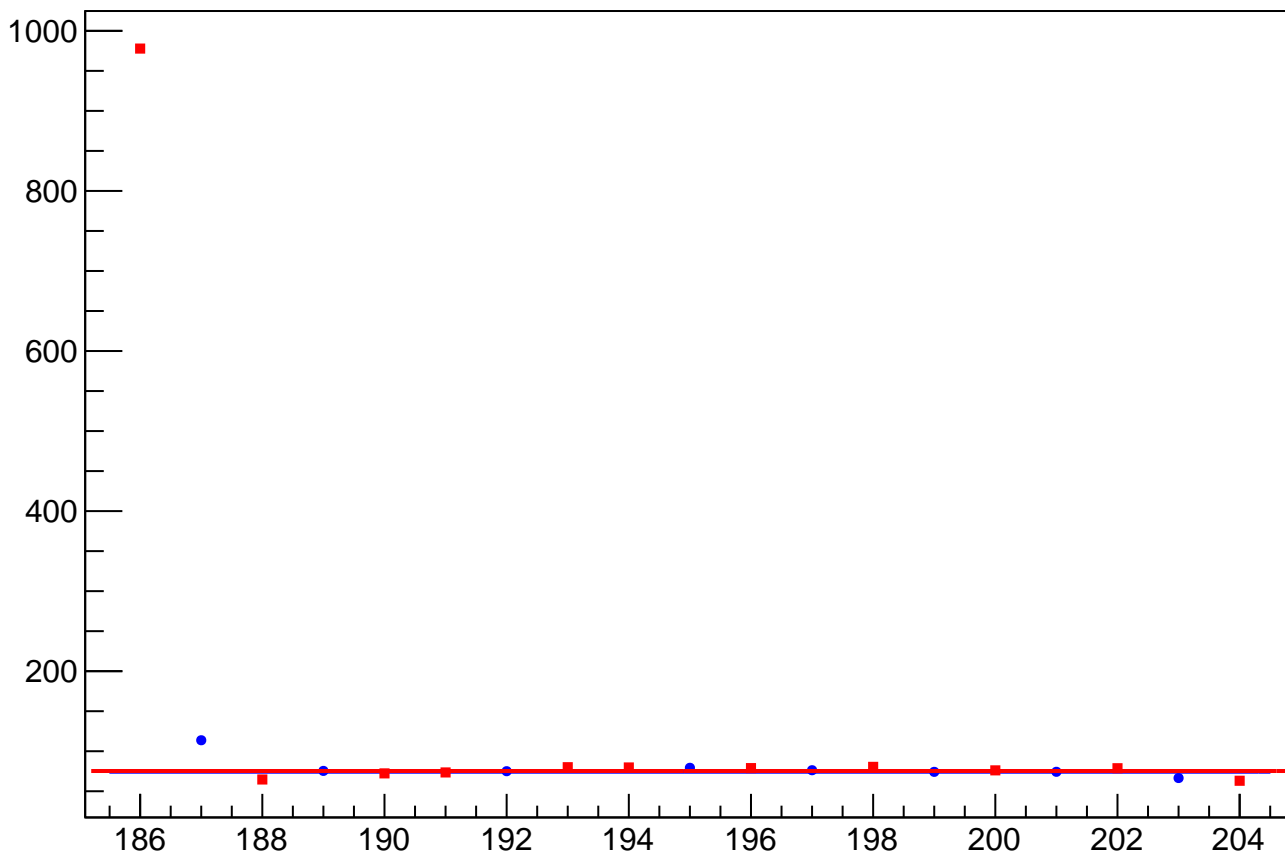
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 3.002+/-22.190  $\chi^2$ /NDF: 23.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_avg\_rms vs Slug



Right In: 74.425+/-0.023  $\chi^2$ /NDF: 65700.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 75.285+/-0.021  $\chi^2$ /NDF: 732246.5/10

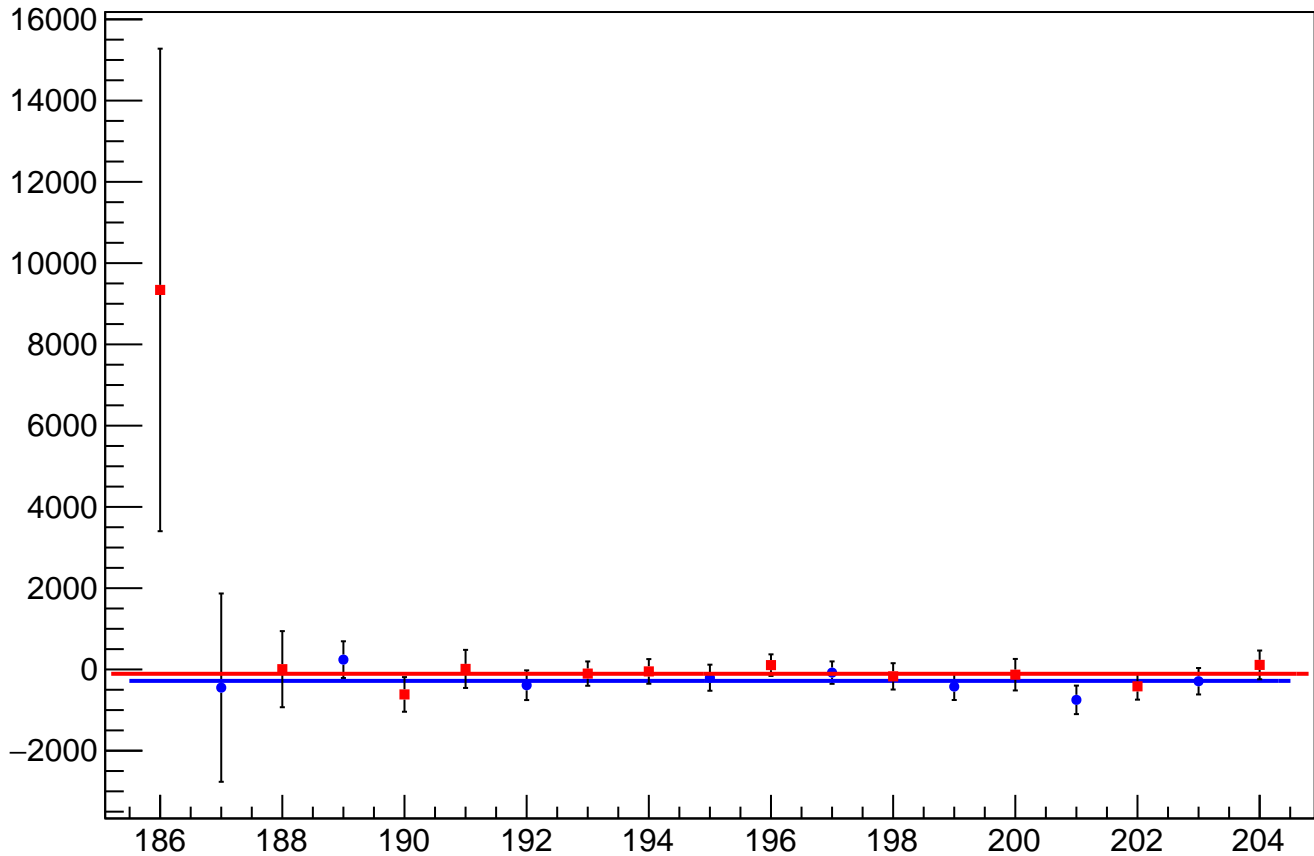
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 74.898+/-0.016  $\chi^2$ /NDF: 798691.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_avg\_correction\_mean vs Slug



Right In:  $-281.509 \pm 126.824$   $\chi^2/\text{NDF}: 4.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-106.877 \pm 111.145$   $\chi^2/\text{NDF}: 6.0/10$

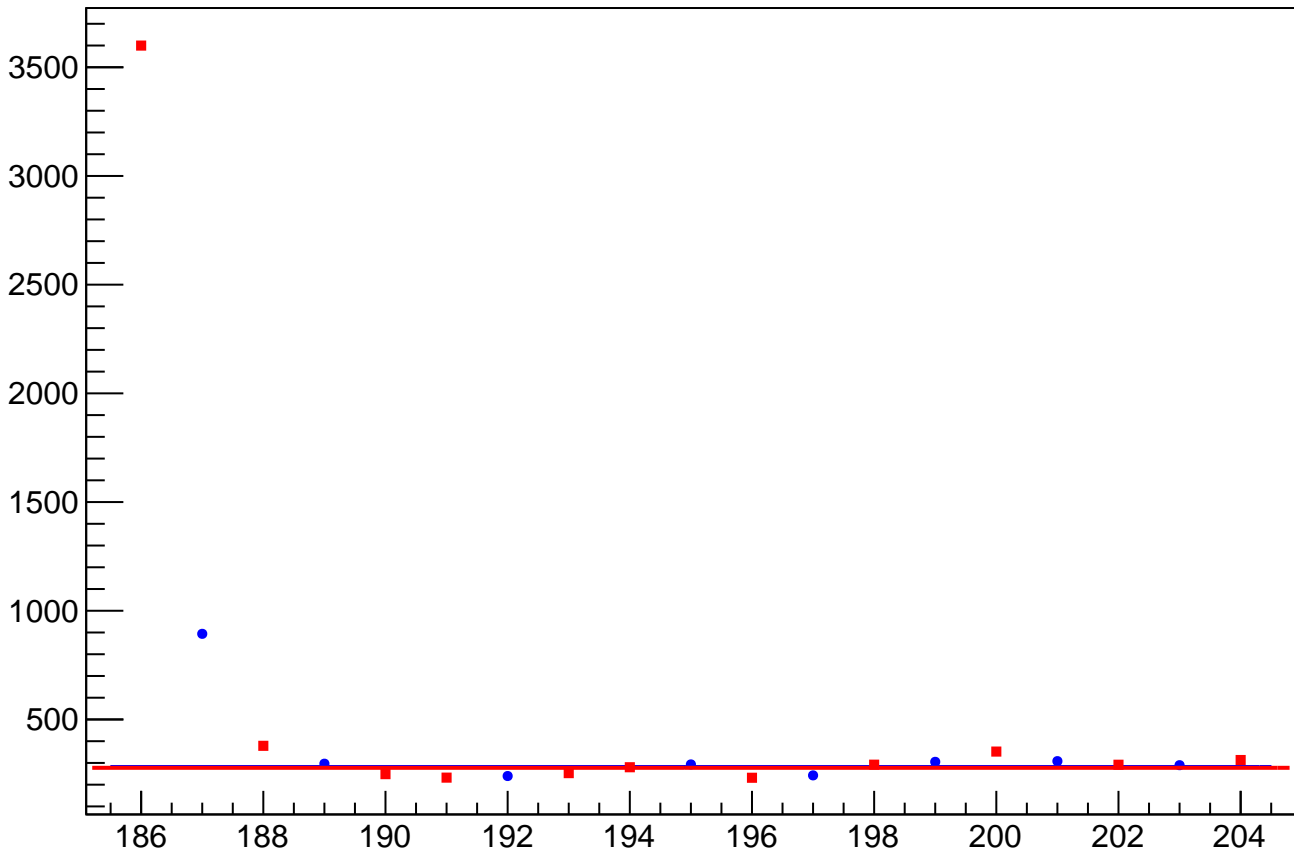
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-182.737 \pm 83.588$   $\chi^2/\text{NDF}: 11.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam\_15\_avg\_correction\_rms vs Slug



Right In: 281.313+/-0.090  $\chi^2/\text{NDF}$ : 233158.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 277.572+/-0.079  $\chi^2/\text{NDF}$ : 852763.2/10

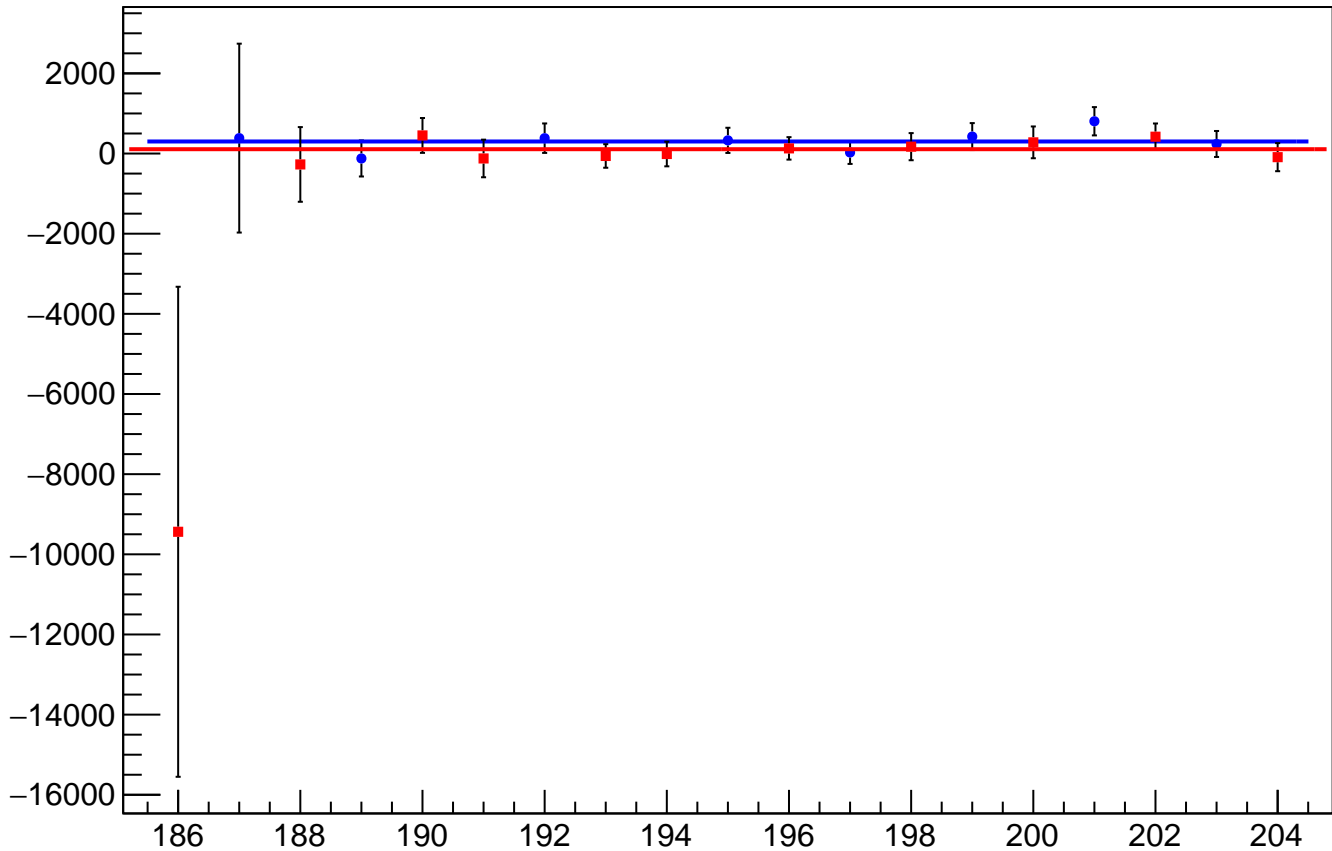
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 279.197+/-0.059  $\chi^2/\text{NDF}$ : 1086905.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_avg\_mean vs Slug



Right In: 300.852 $\pm$ 127.706  $\chi^2$ /NDF: 4.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 108.236 $\pm$ 112.975  $\chi^2$ /NDF: 5.4/10

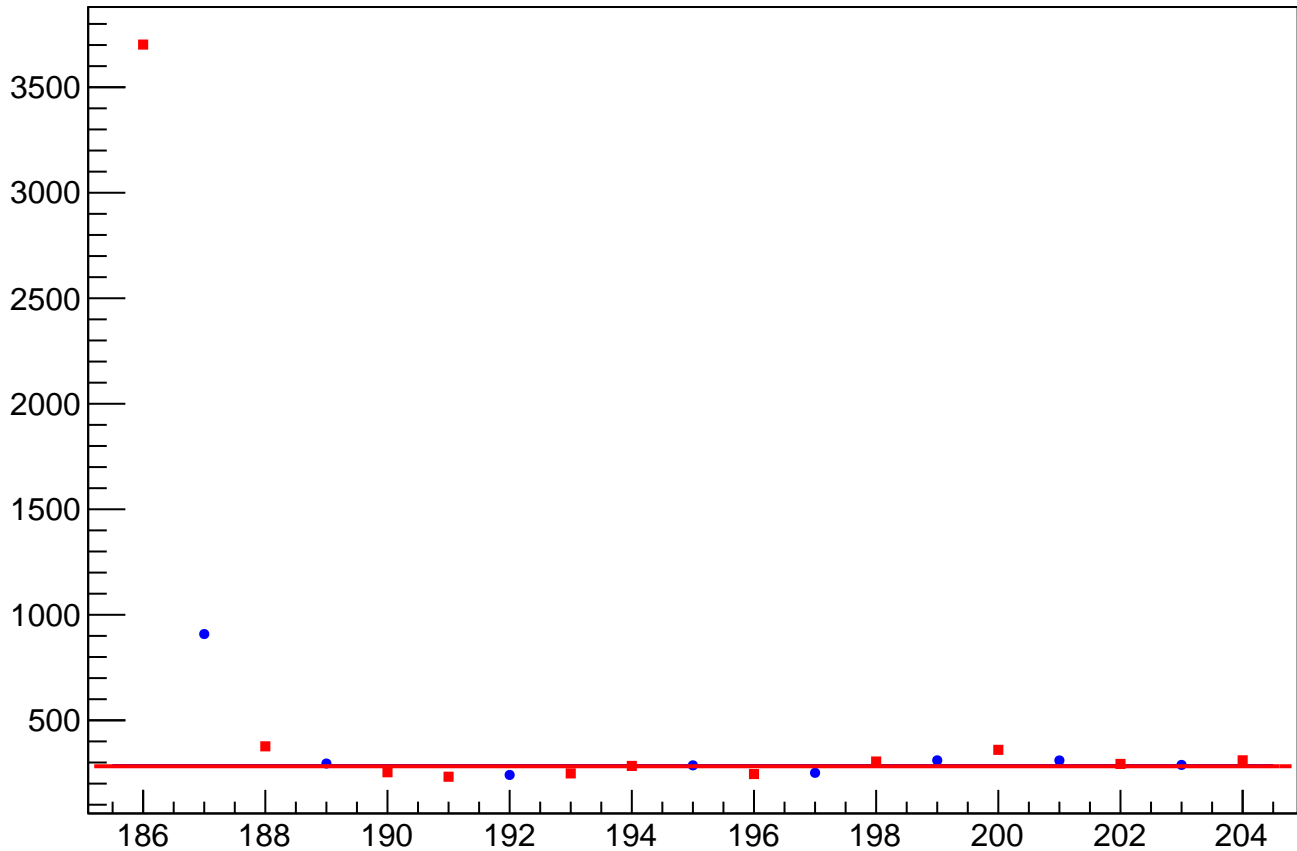
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 192.799 $\pm$ 84.617  $\chi^2$ /NDF: 10.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_avg\_rms vs Slug



Right In: 283.337+/-0.090  $\chi^2/\text{NDF}$ : 218899.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 282.284+/-0.080  $\chi^2/\text{NDF}$ : 839382.1/10

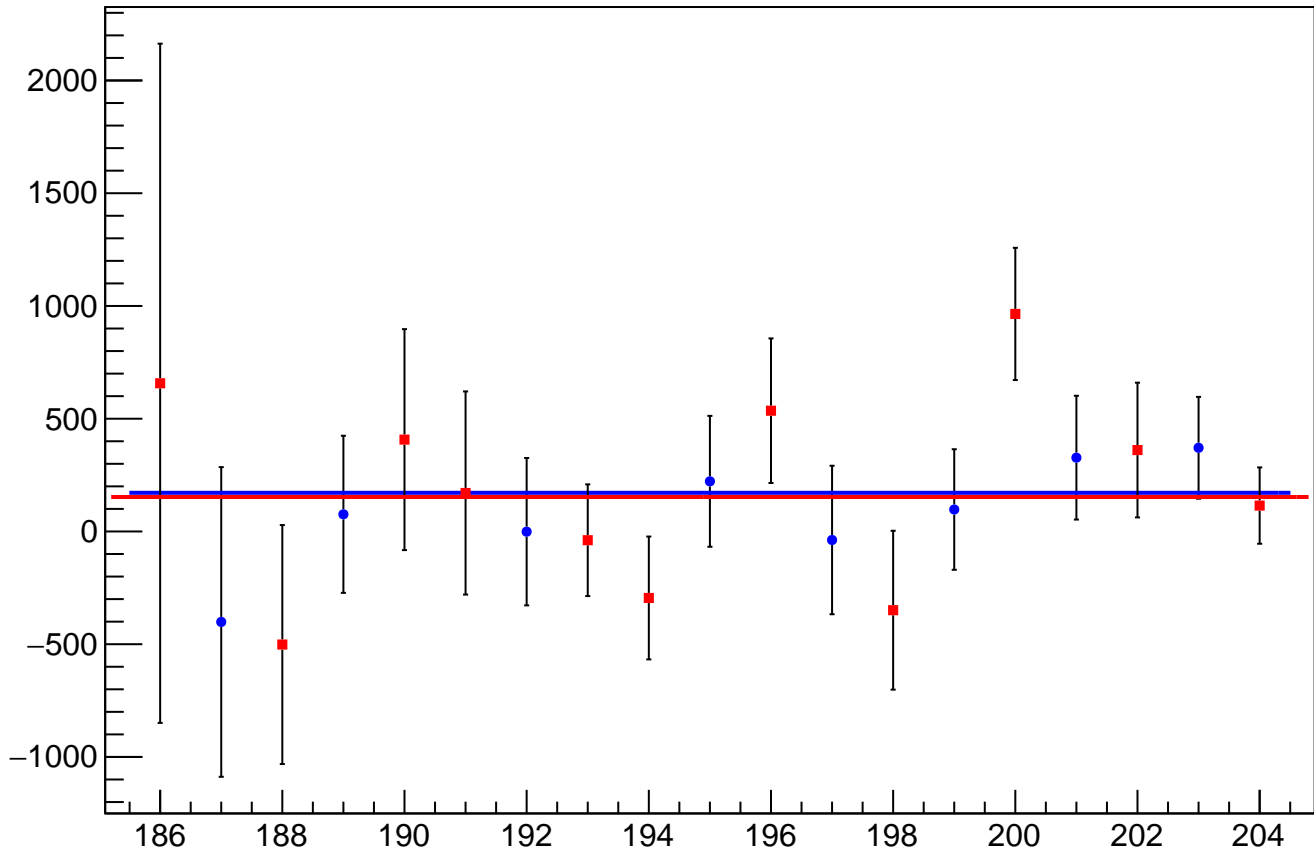
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 282.746+/-0.060  $\chi^2/\text{NDF}$ : 1058357.4/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_26\_avg\_mean vs Slug



Right In: 171.490 $\pm$ 106.786  $\chi^2$ /NDF: 2.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 152.877 $\pm$ 91.900  $\chi^2$ /NDF: 16.9/10

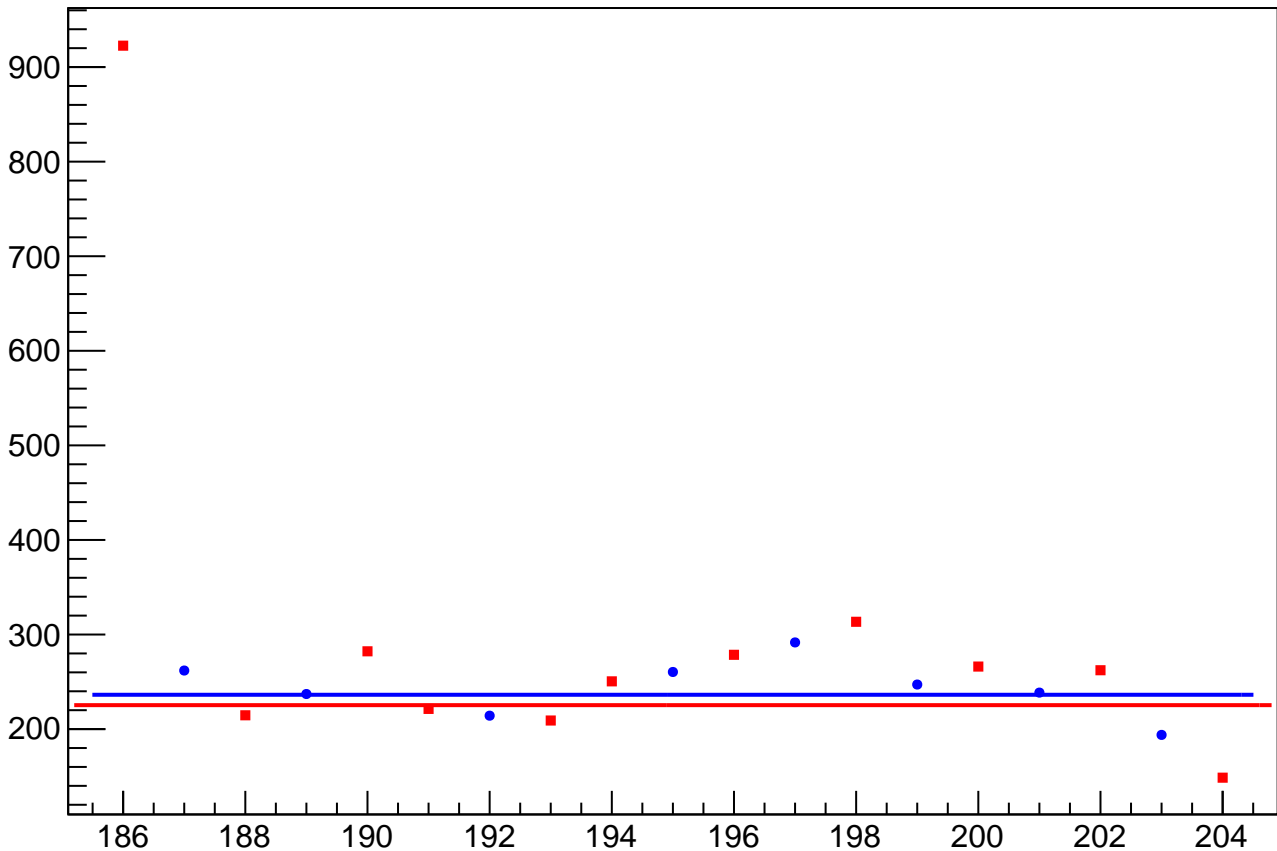
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 160.796 $\pm$ 69.657  $\chi^2$ /NDF: 19.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_avg\_rms vs Slug



Right In: 236.308 $\pm$ 0.076  $\chi^2$ /NDF: 156271.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 225.334 $\pm$ 0.065  $\chi^2$ /NDF: 1142653.1/10

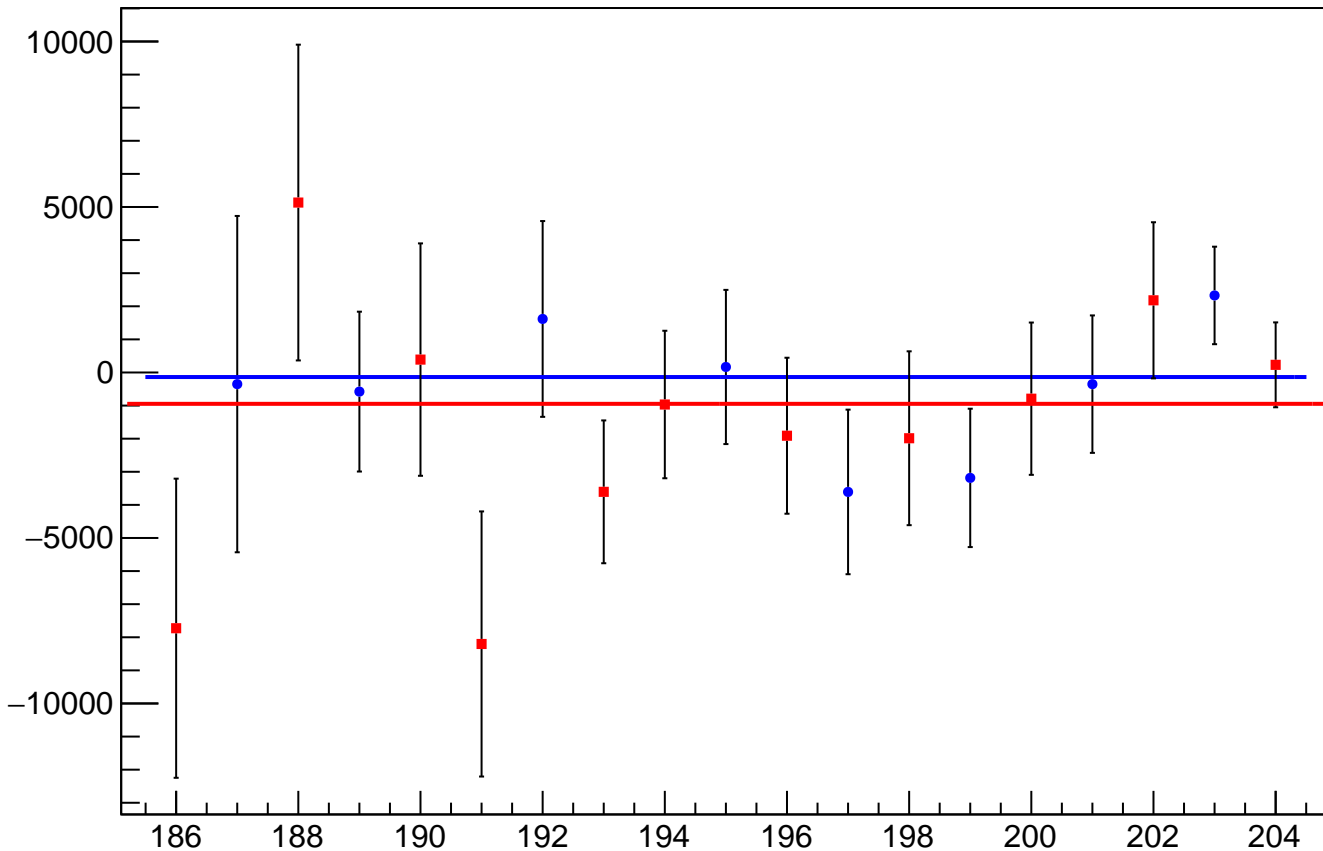
All: 230.003 $\pm$ 0.049  $\chi^2$ /NDF: 1311059.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0



# asym\_sam\_26\_avg\_correction\_mean vs Slug



Right In: -137.555+/-792.454  $\chi^2$ /NDF: 7.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -947.144+/-715.269  $\chi^2$ /NDF: 11.8/10

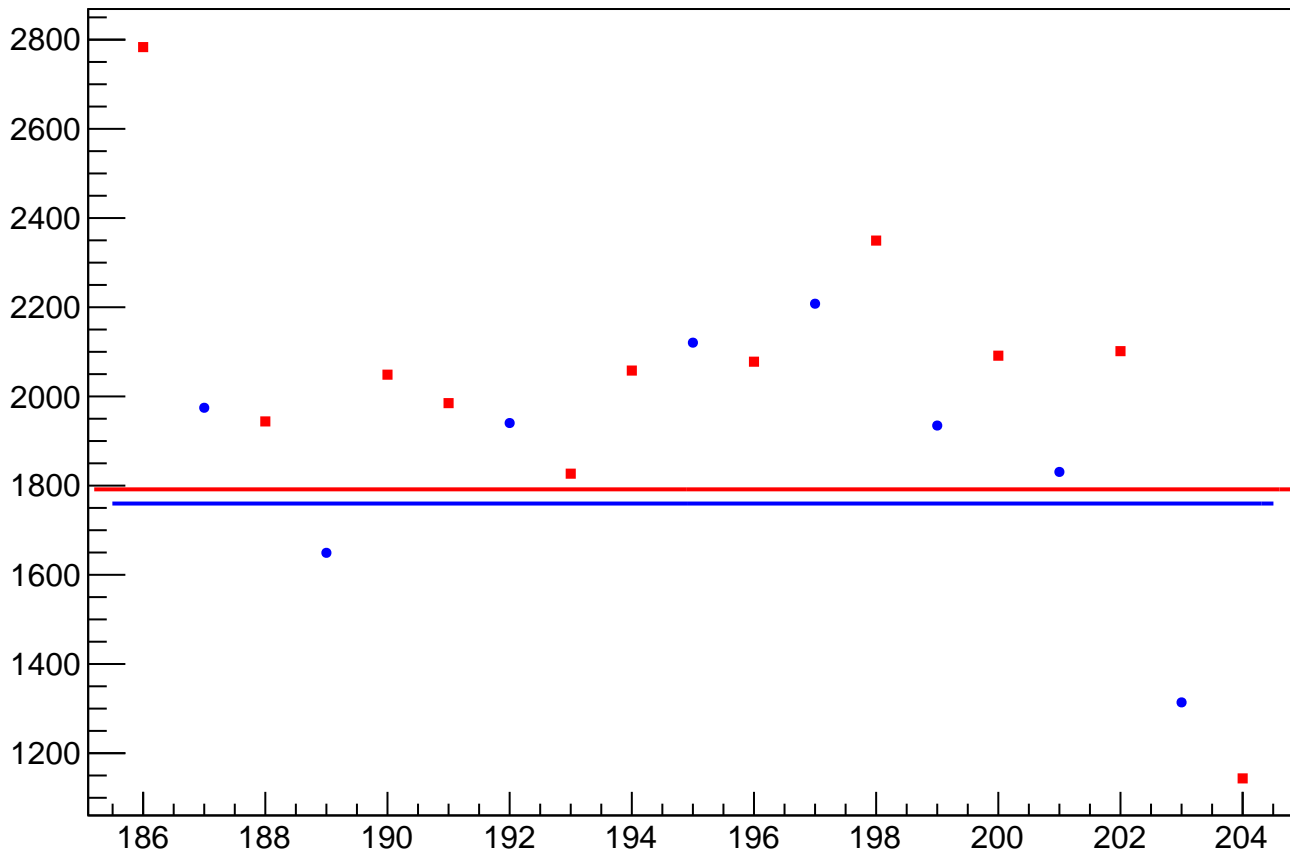
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -583.686+/-530.969  $\chi^2$ /NDF: 19.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_avg\_correction\_rms vs Slug



Right In: 1759.820+/-0.560  $\chi^2/\text{NDF}$ : 327754.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

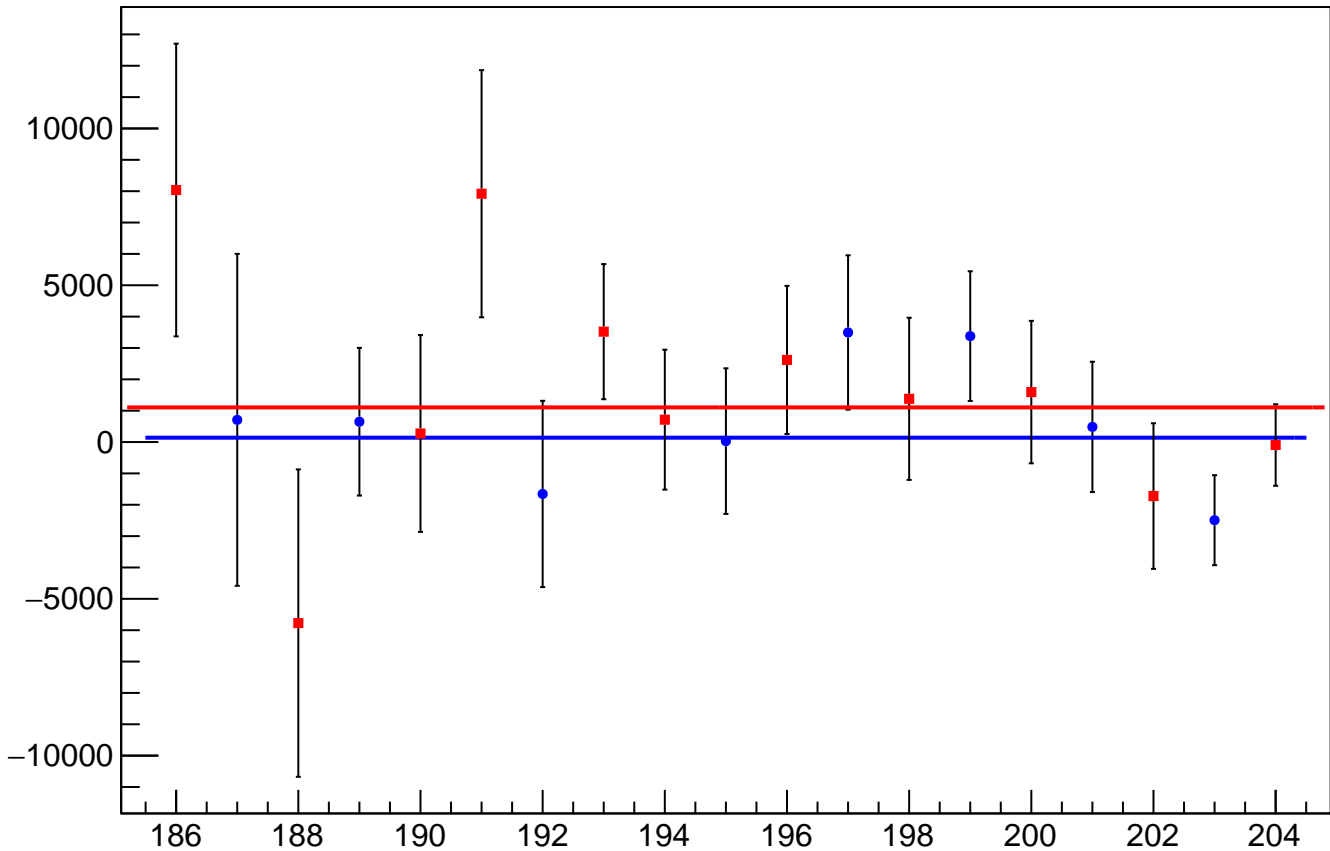
Right Out: 1791.638+/-0.506  $\chi^2/\text{NDF}$ : 842030.1/10

All: 1777.354+/-0.375  $\chi^2/\text{NDF}$ : 1171560.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_avg\_mean vs Slug



Right In: 139.139+/-782.928  $\chi^2$ /NDF: 8.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1105.242+/-712.654  $\chi^2$ /NDF: 11.3/10

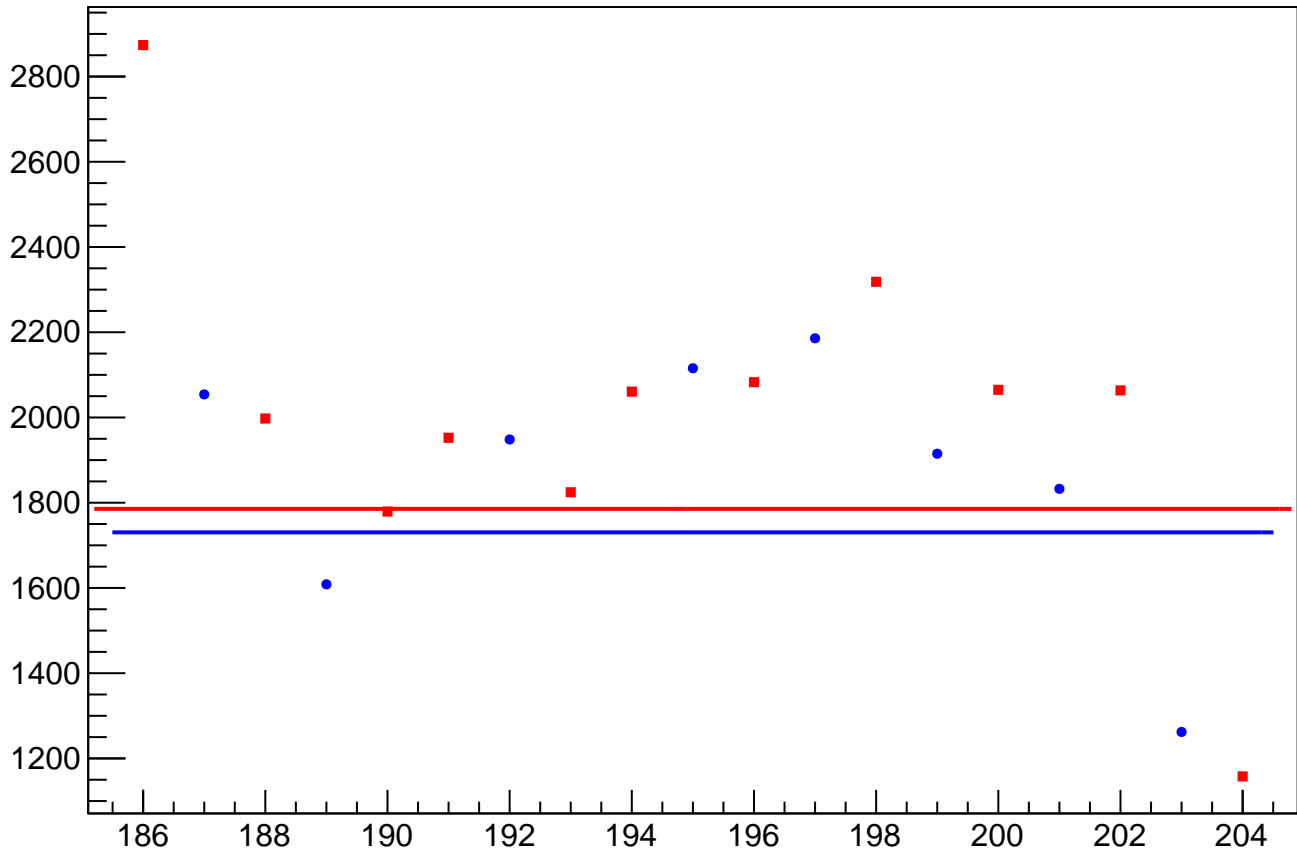
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 667.485+/-527.019  $\chi^2$ /NDF: 20.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_avg\_rms vs Slug



Right In: 1730.444+/-0.554  $\chi^2/\text{NDF}$ : 381070.8/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1785.545+/-0.504  $\chi^2/\text{NDF}$ : 788679.8/10

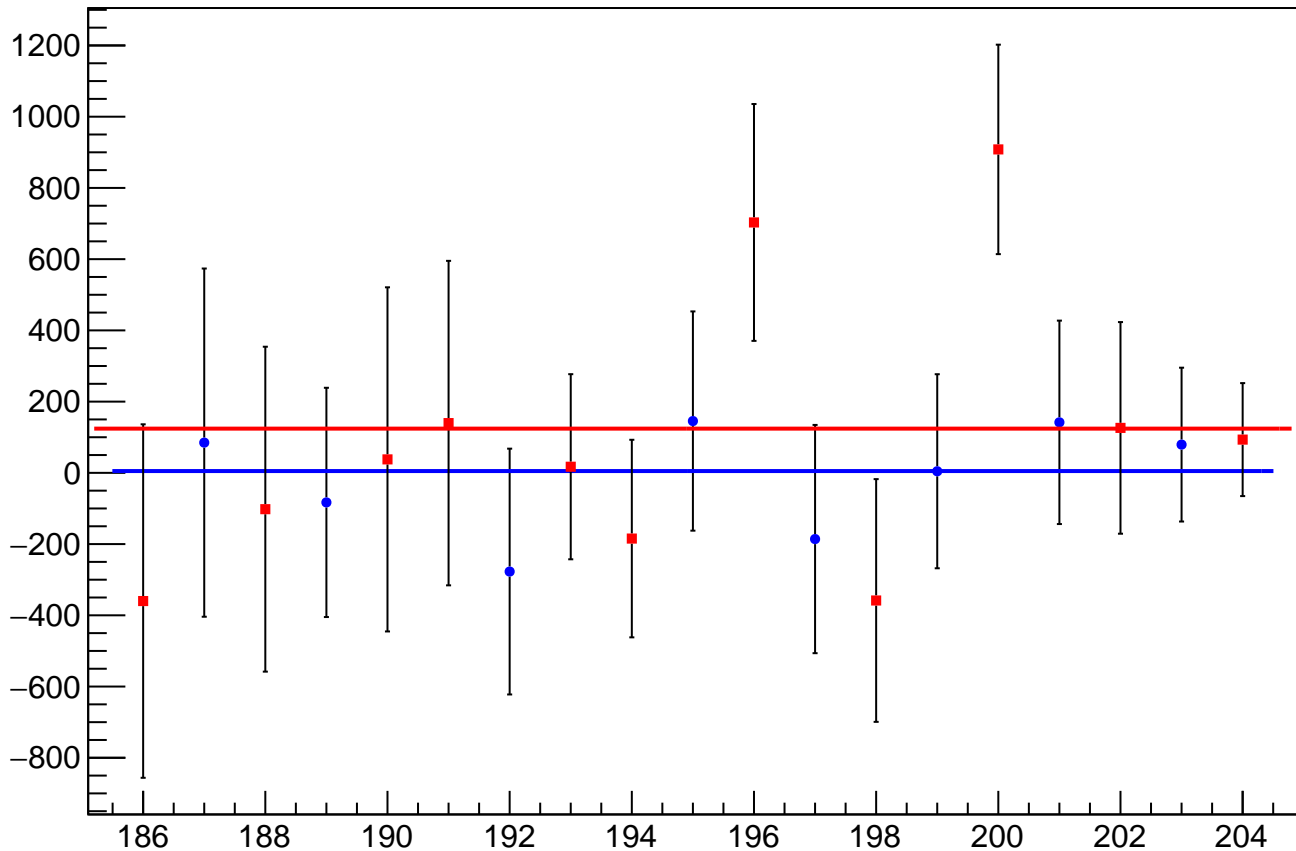
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1760.578+/-0.373  $\chi^2/\text{NDF}$ : 1175168.2/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_avg\_mean vs Slug



Right In: 5.036+/-105.582  $\chi^2/\text{NDF}$ : 1.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 124.172+/-89.062  $\chi^2/\text{NDF}$ : 14.8/10

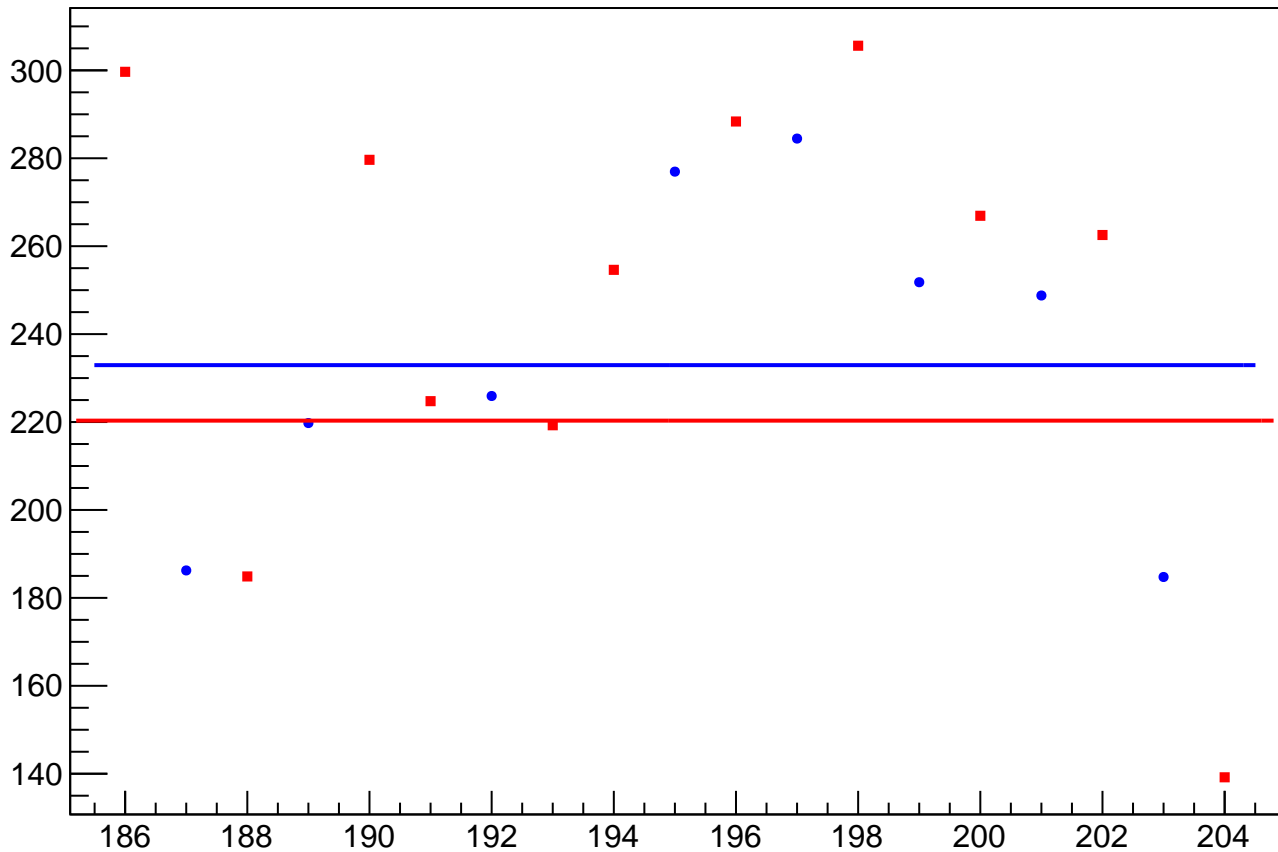
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 74.644+/-68.076  $\chi^2/\text{NDF}$ : 17.2/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_avg\_rms vs Slug



Right In: 232.943 $\pm$ 0.075  $\chi^2$ /NDF: 230389.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 220.319 $\pm$ 0.063  $\chi^2$ /NDF: 947089.3/10

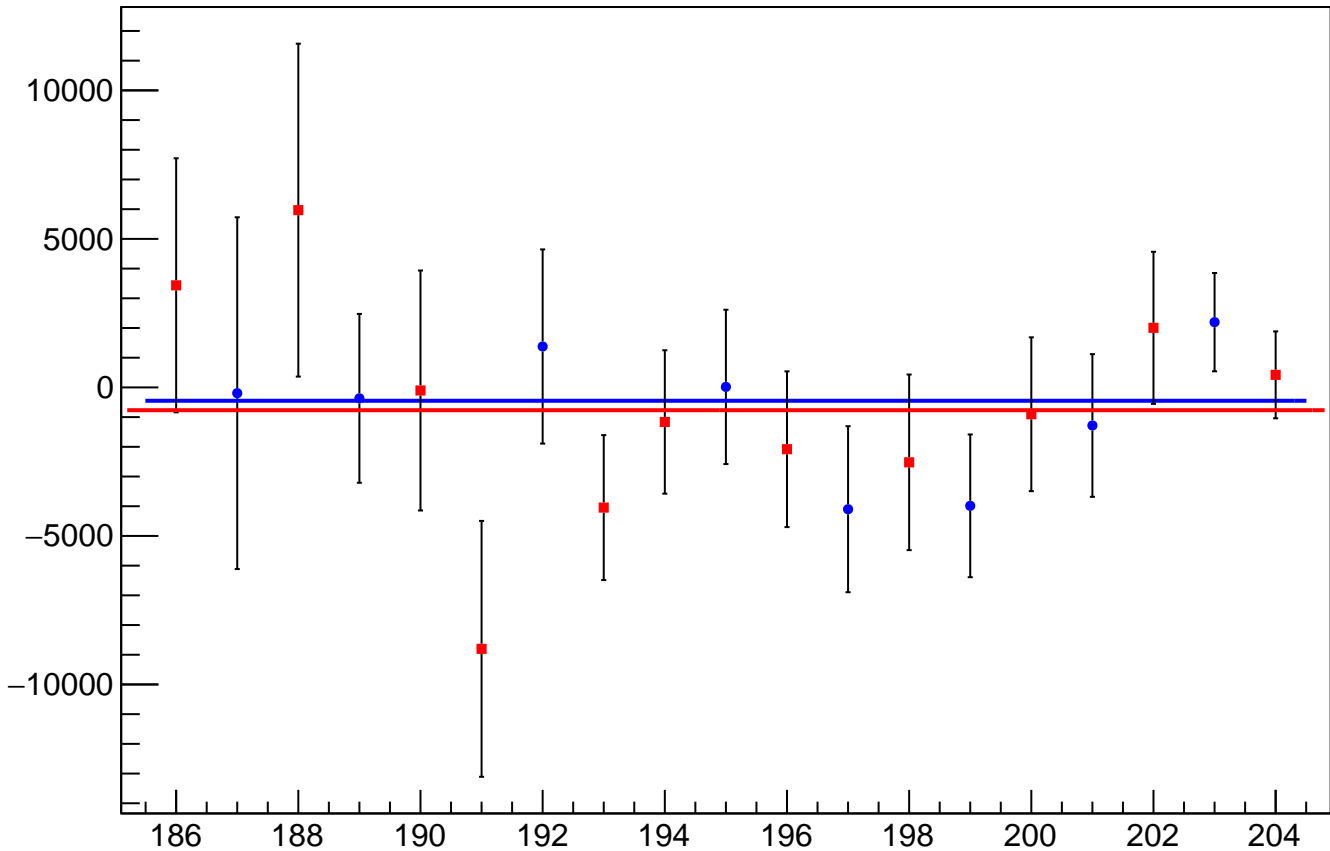
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 225.567 $\pm$ 0.048  $\chi^2$ /NDF: 1194184.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_avg\_correction\_mean vs Slug



Right In: -449.511+/-900.193  $\chi^2$ /NDF: 6.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -767.111+/-798.009  $\chi^2$ /NDF: 10.2/10

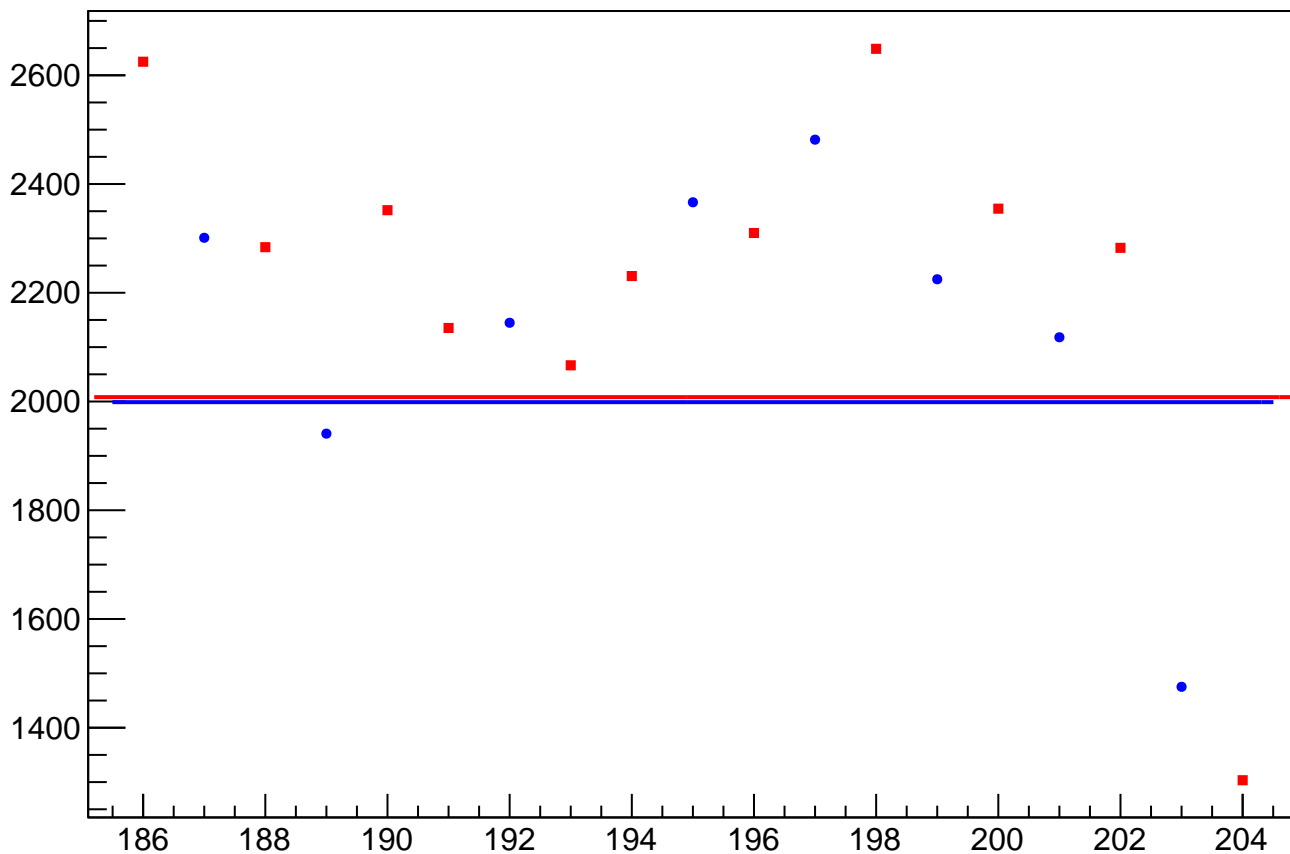
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -627.353+/-597.151  $\chi^2$ /NDF: 17.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_avg\_correction\_rms vs Slug



Right In: 1998.810+/-0.637  $\chi^2/\text{NDF}$ : 332643.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2008.028+/-0.564  $\chi^2/\text{NDF}$ : 724292.9/10

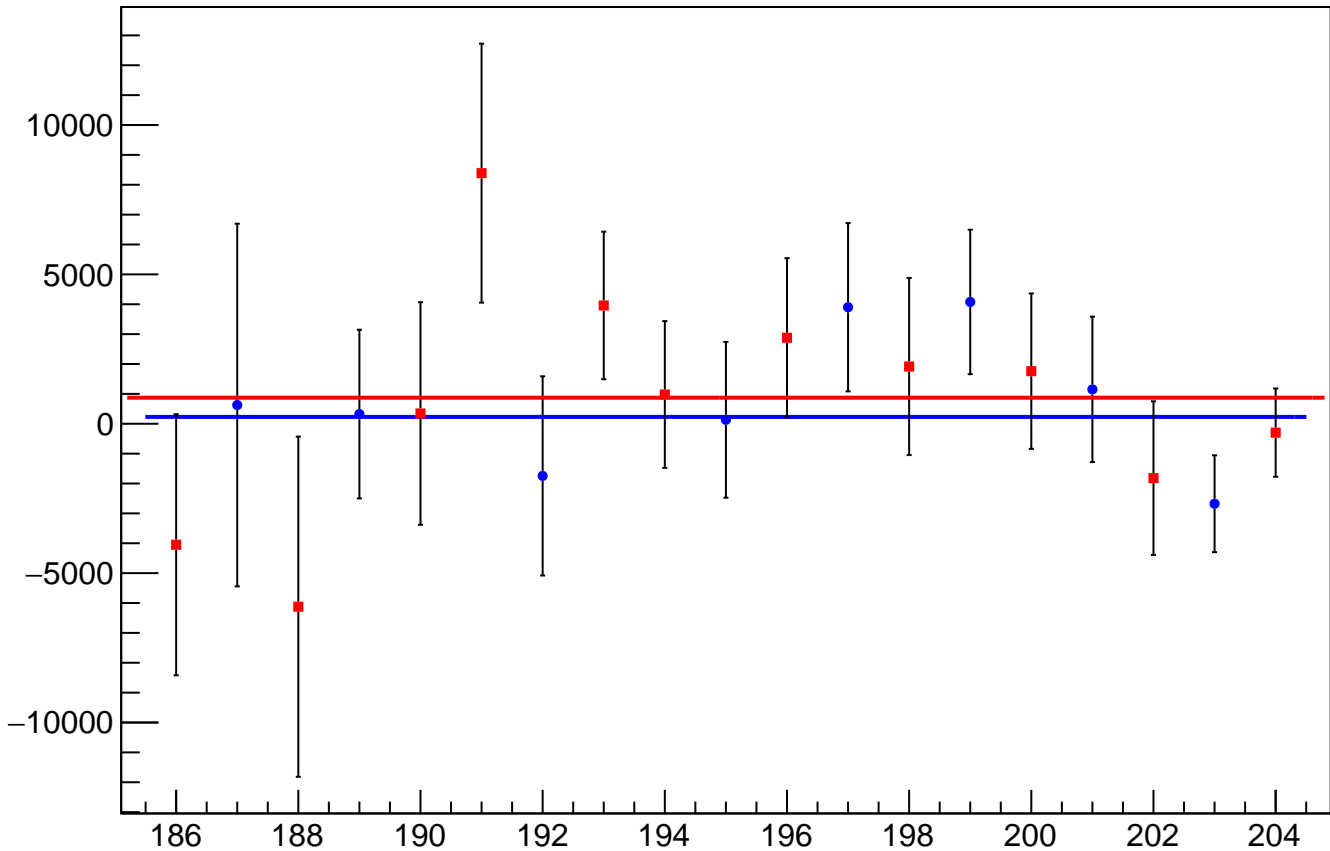
All: 2003.972+/-0.422  $\chi^2/\text{NDF}$ : 1057053.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_37\_avg\_mean vs Slug



Right In: 229.641 $\pm$ 899.315  $\chi^2$ /NDF: 8.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 872.972 $\pm$ 803.049  $\chi^2$ /NDF: 9.9/10

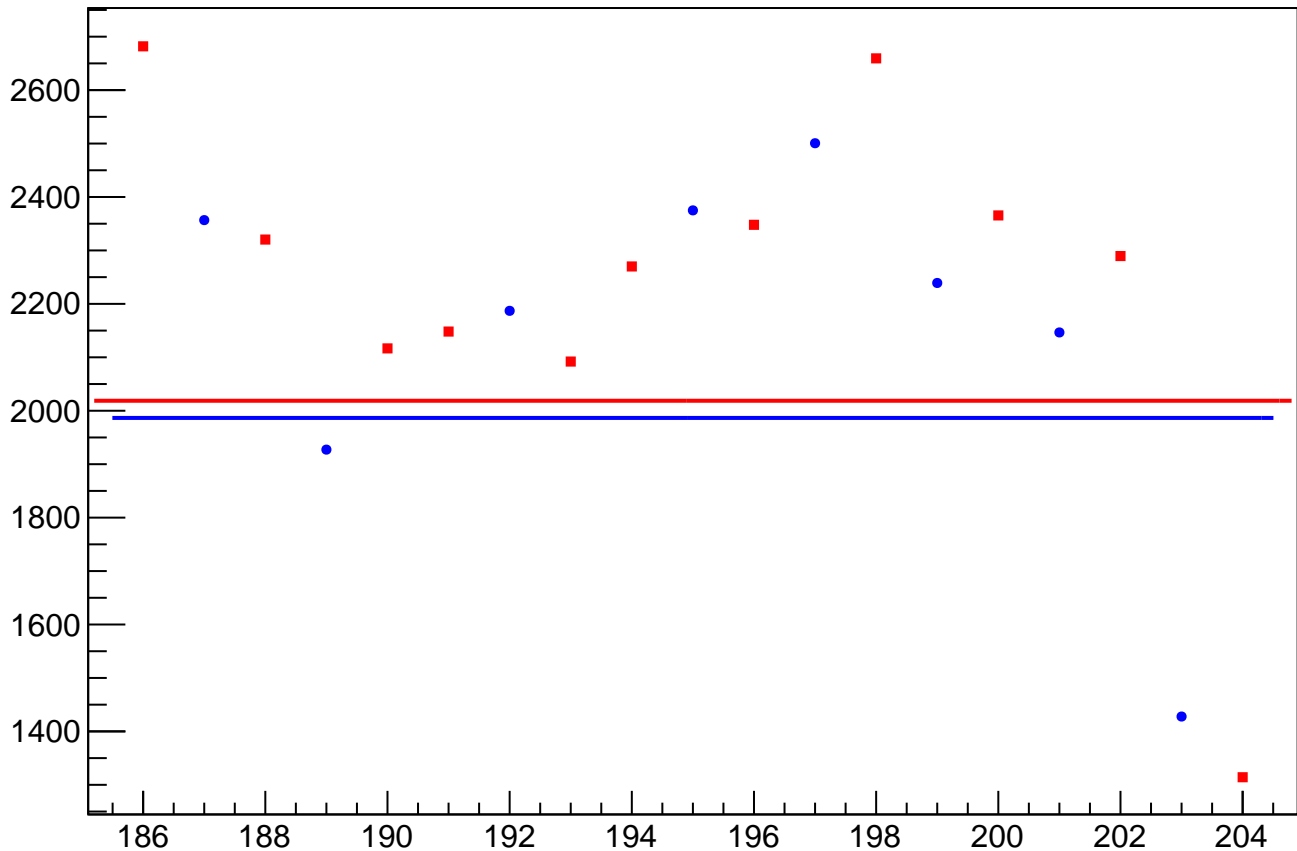
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 587.570 $\pm$ 598.995  $\chi^2$ /NDF: 18.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_avg\_rms vs Slug



Right In: 1986.576 $\pm$ 0.636  $\chi^2$ /NDF: 394809.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2018.706 $\pm$ 0.568  $\chi^2$ /NDF: 714672.7/10

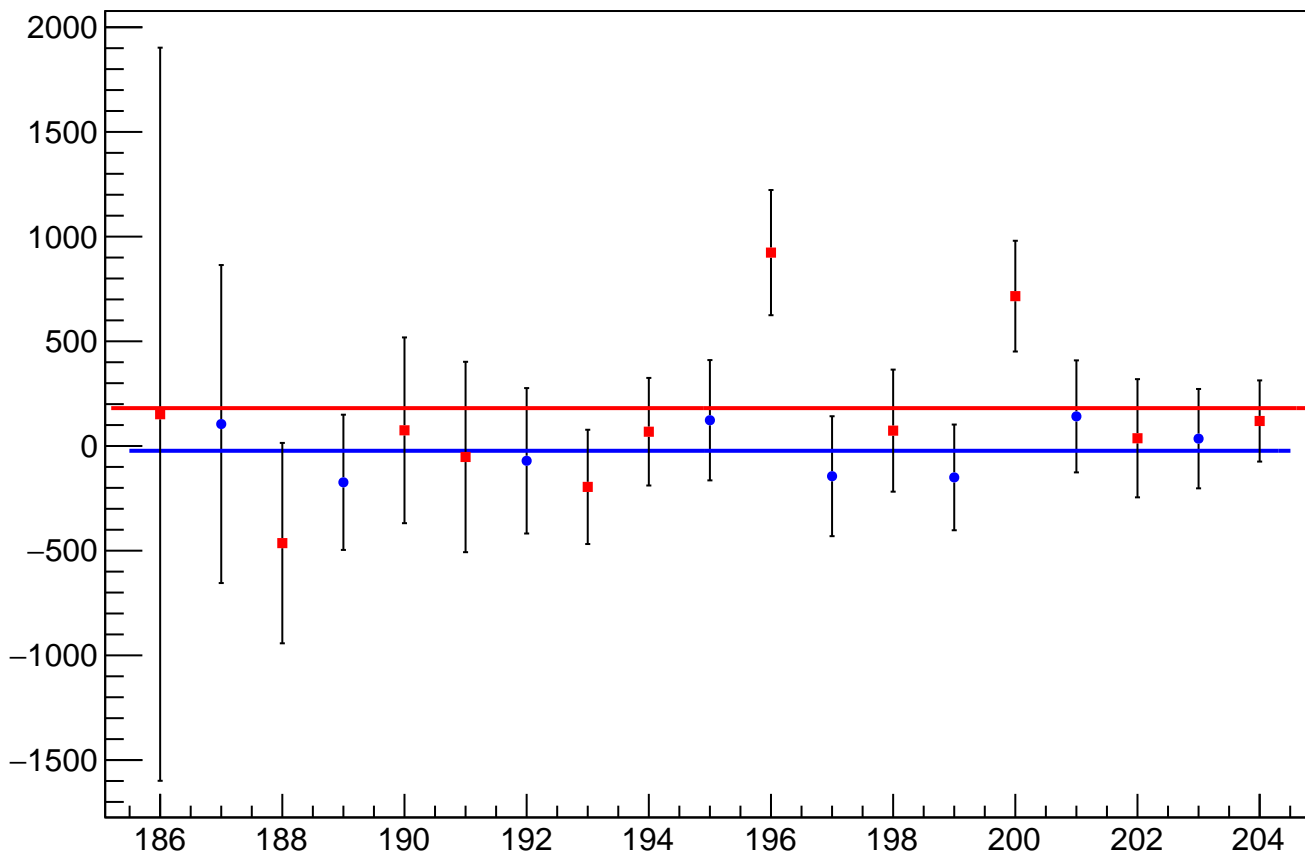
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2004.452 $\pm$ 0.424  $\chi^2$ /NDF: 1110902.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_48\_avg\_mean vs Slug



Right In:  $-22.896 \pm 104.631$   $\chi^2/\text{NDF}: 1.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $180.848 \pm 91.442$   $\chi^2/\text{NDF}: 15.0/10$

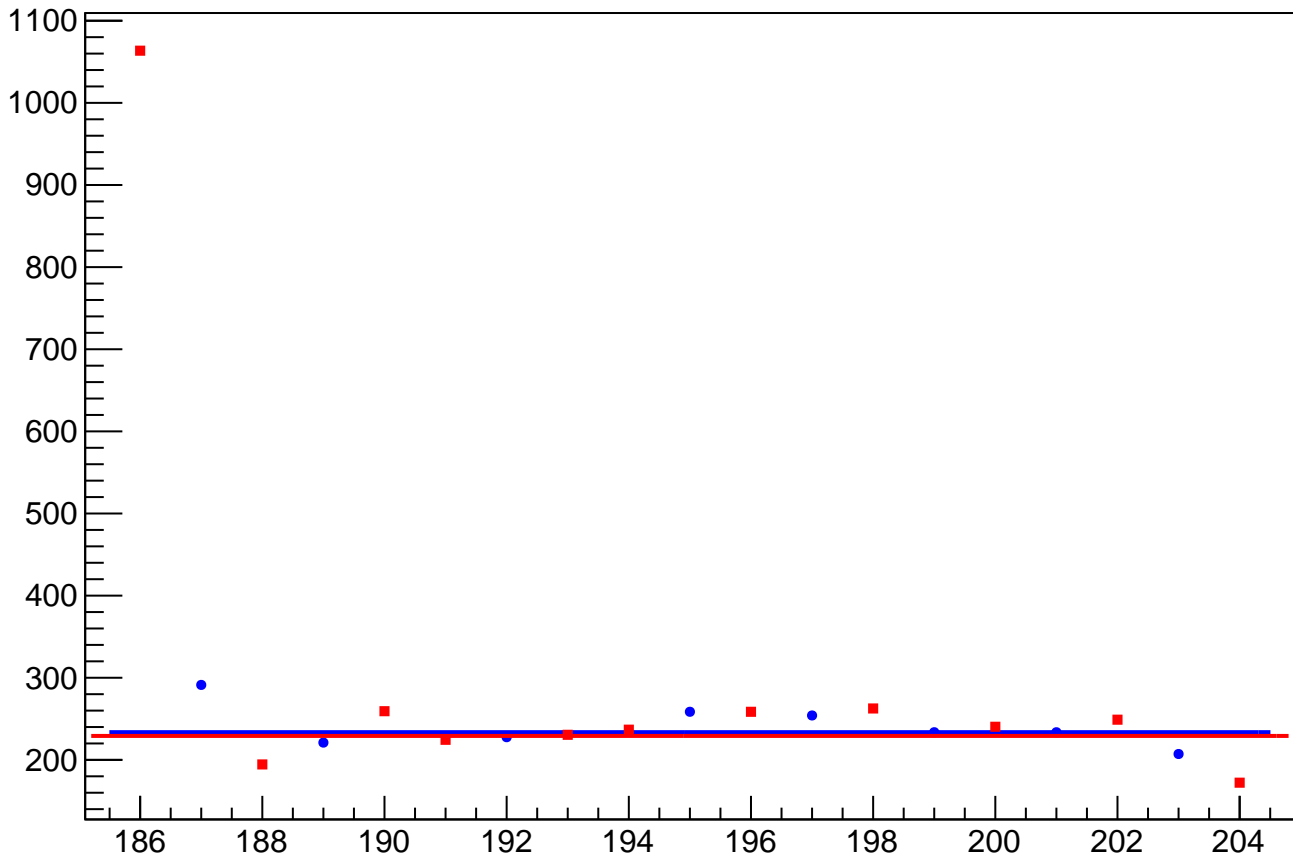
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $92.619 \pm 68.853$   $\chi^2/\text{NDF}: 18.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_asym\_sam\_48\_avg\_rms vs Slug



Right In: 233.764 $\pm$ 0.074  $\chi^2$ /NDF: 65309.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 229.169 $\pm$ 0.065  $\chi^2$ /NDF: 707496.3/10

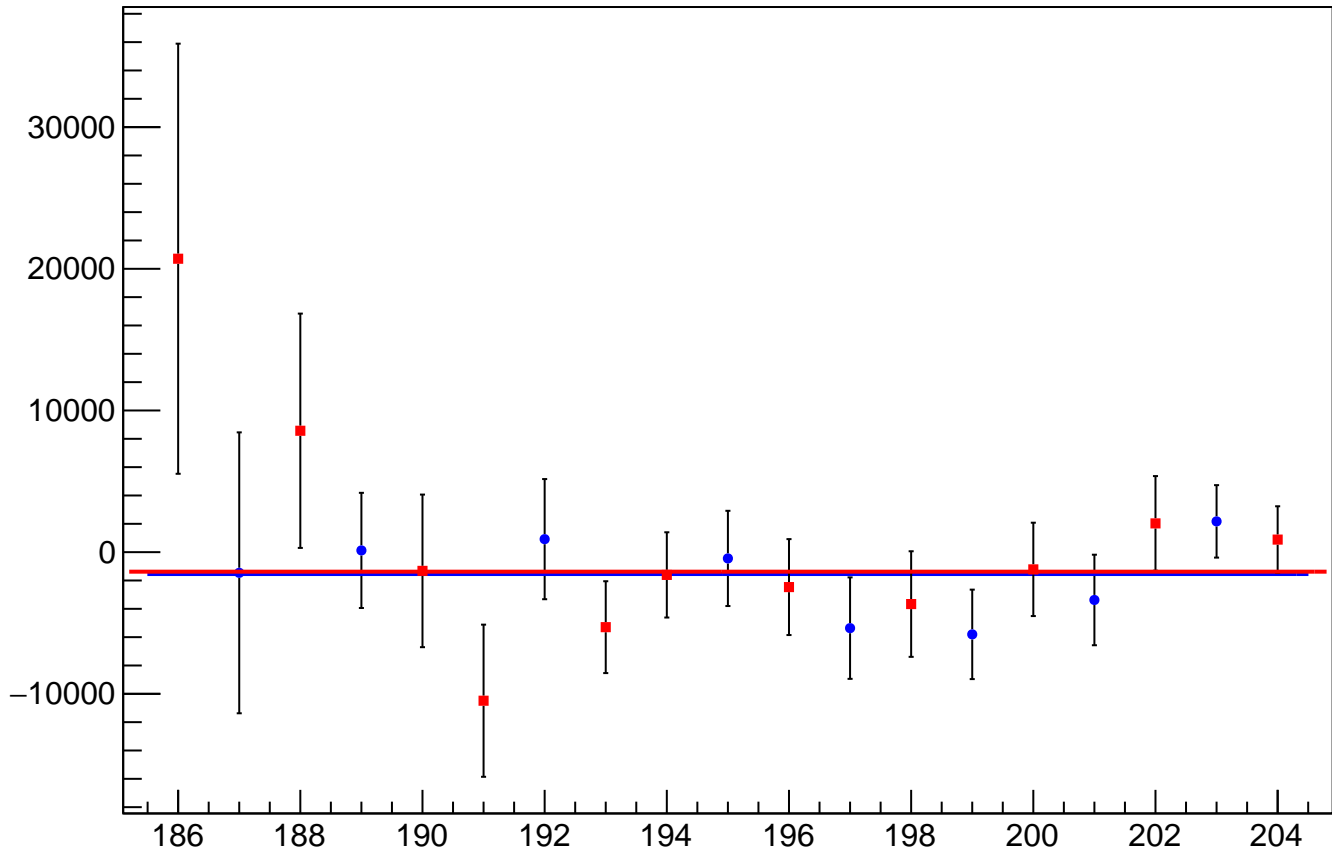
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 231.159 $\pm$ 0.049  $\chi^2$ /NDF: 774992.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_avg\_correction\_mean vs Slug



Right In:  $-1543.878 \pm 1246.171$   $\chi^2/\text{NDF}$ : 6.0/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

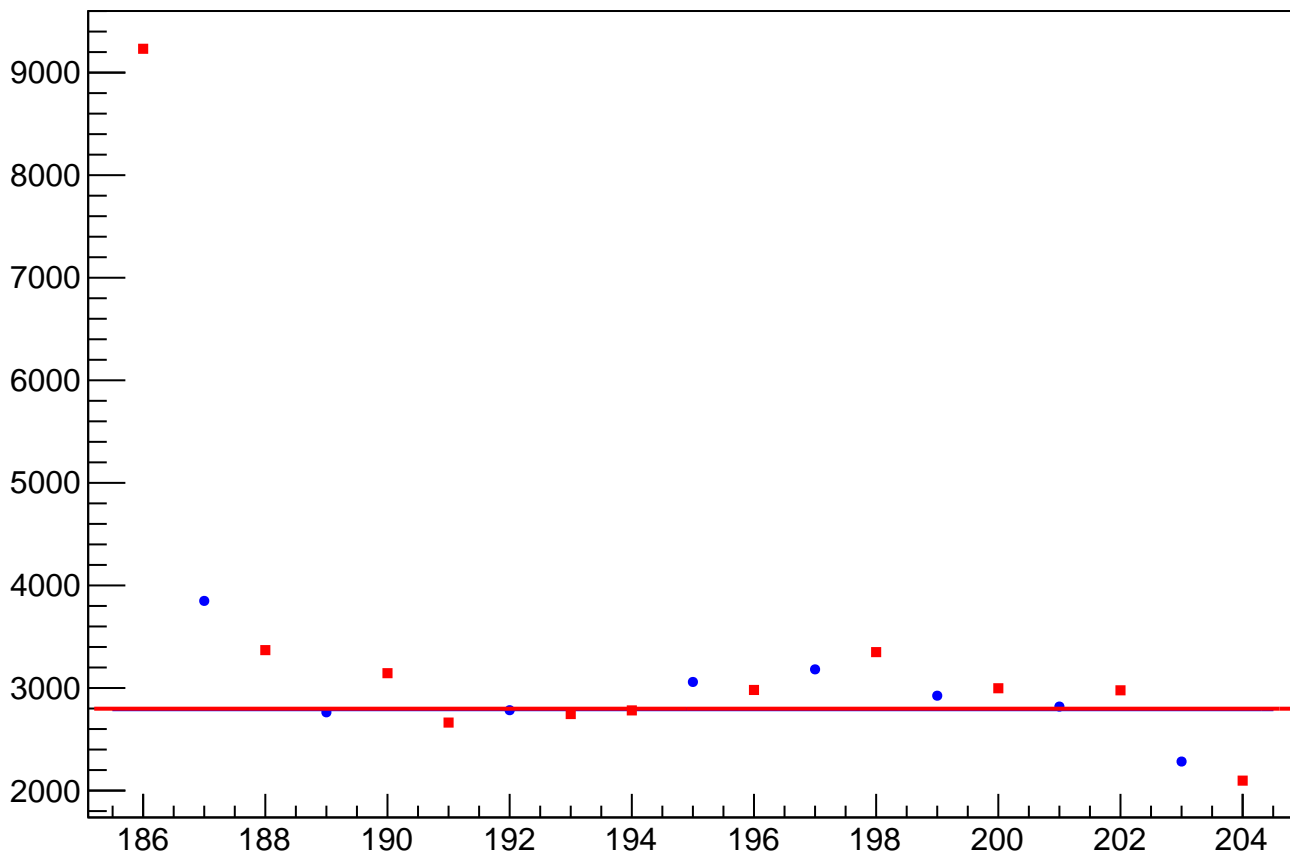
Right Out:  $-1377.676 \pm 1107.332$   $\chi^2/\text{NDF}$ : 10.4/10

All:  $-1451.006 \pm 827.754$   $\chi^2/\text{NDF}$ : 16.4/18

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_avg\_correction\_rms vs Slug



Right In: 2793.201+/-0.881  $\chi^2$ /NDF: 142038.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

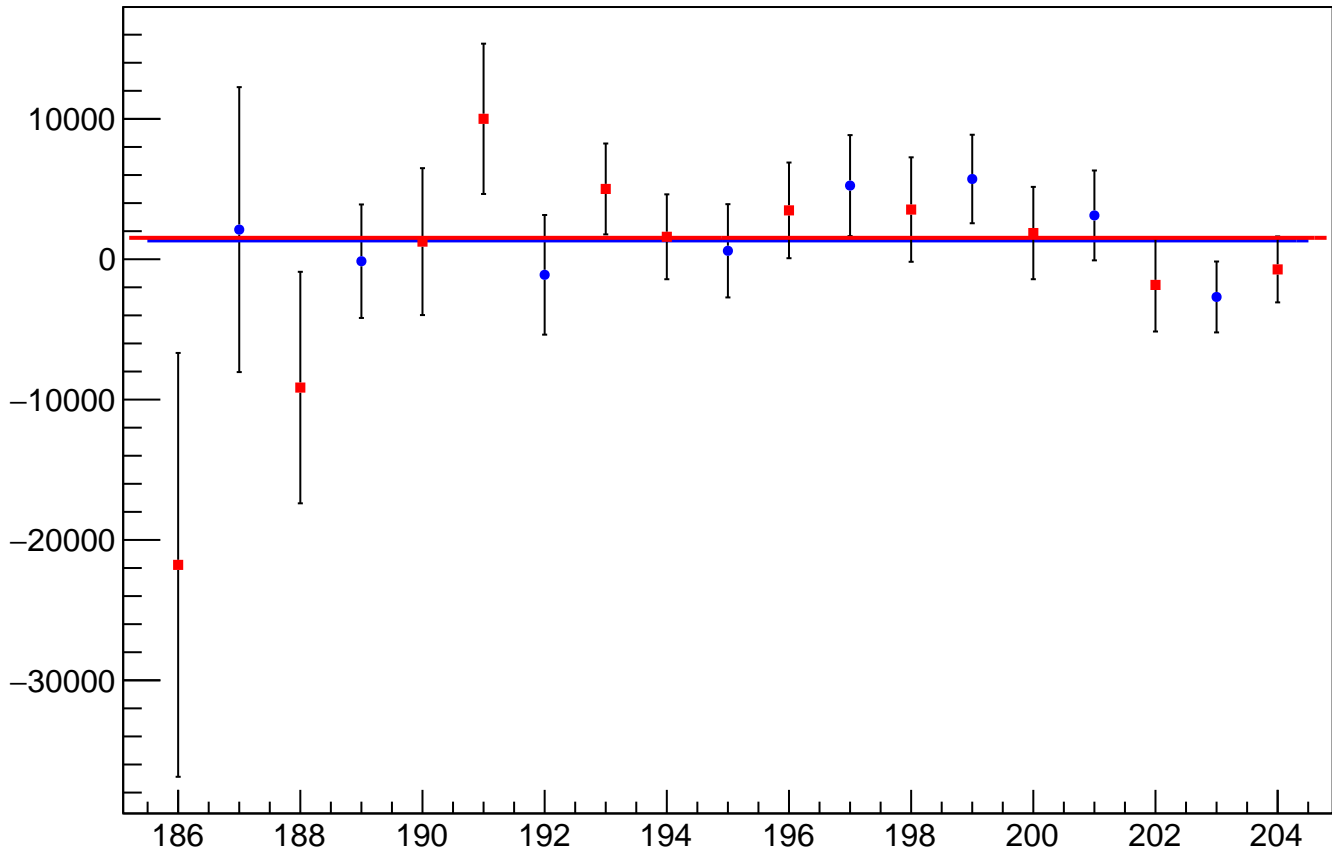
Right Out: 2798.306+/-0.783  $\chi^2$ /NDF: 619511.5/10

All: 2796.053+/-0.585  $\chi^2$ /NDF: 761569.0/18

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_avg\_mean vs Slug



Right In: 1341.094+/-1241.714  $\chi^2$ /NDF: 6.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1526.338+/-1105.781  $\chi^2$ /NDF: 10.3/10

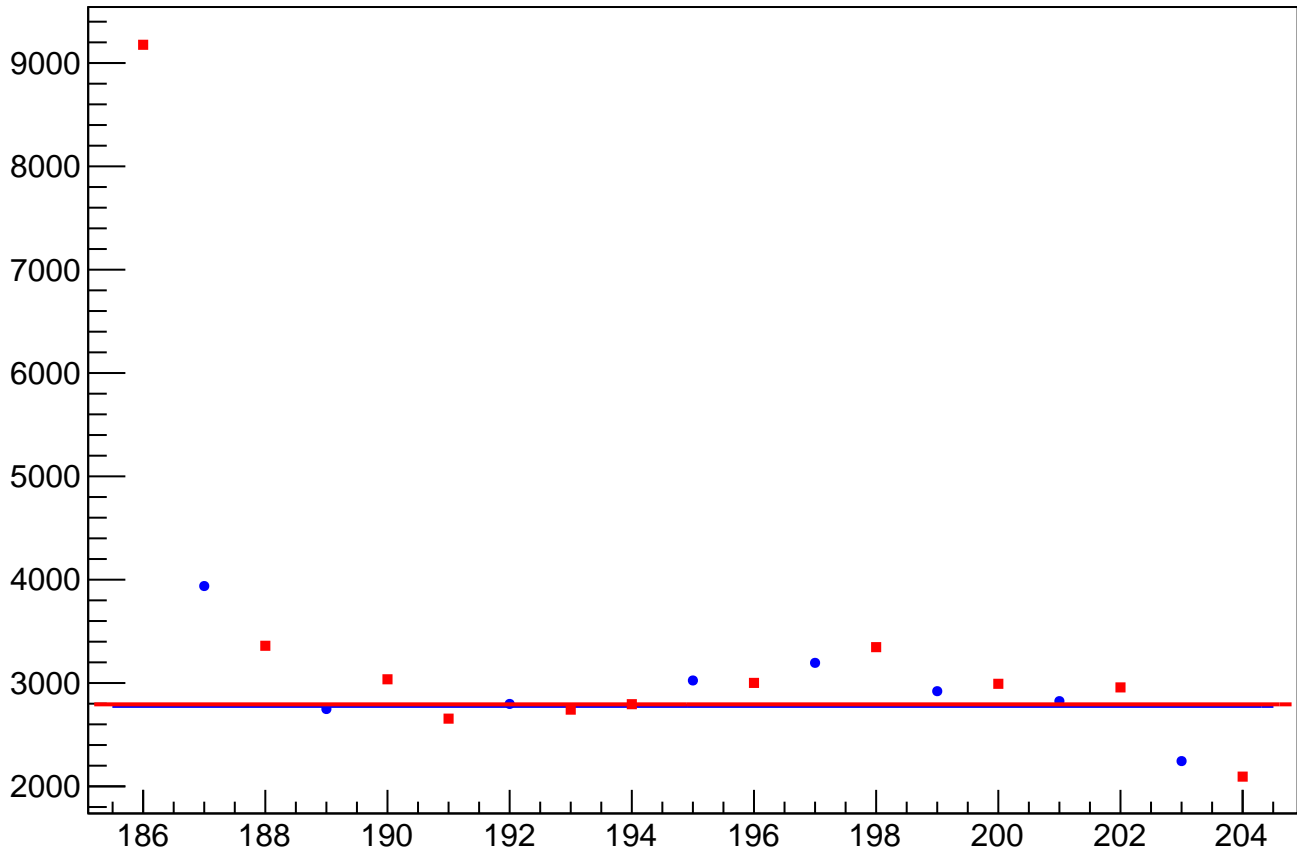
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1444.407+/-825.799  $\chi^2$ /NDF: 16.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_avg\_rms vs Slug



Right In: 2778.741+/-0.878  $\chi^2/\text{NDF}$ : 157942.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2793.670+/-0.782  $\chi^2/\text{NDF}$ : 614024.7/10

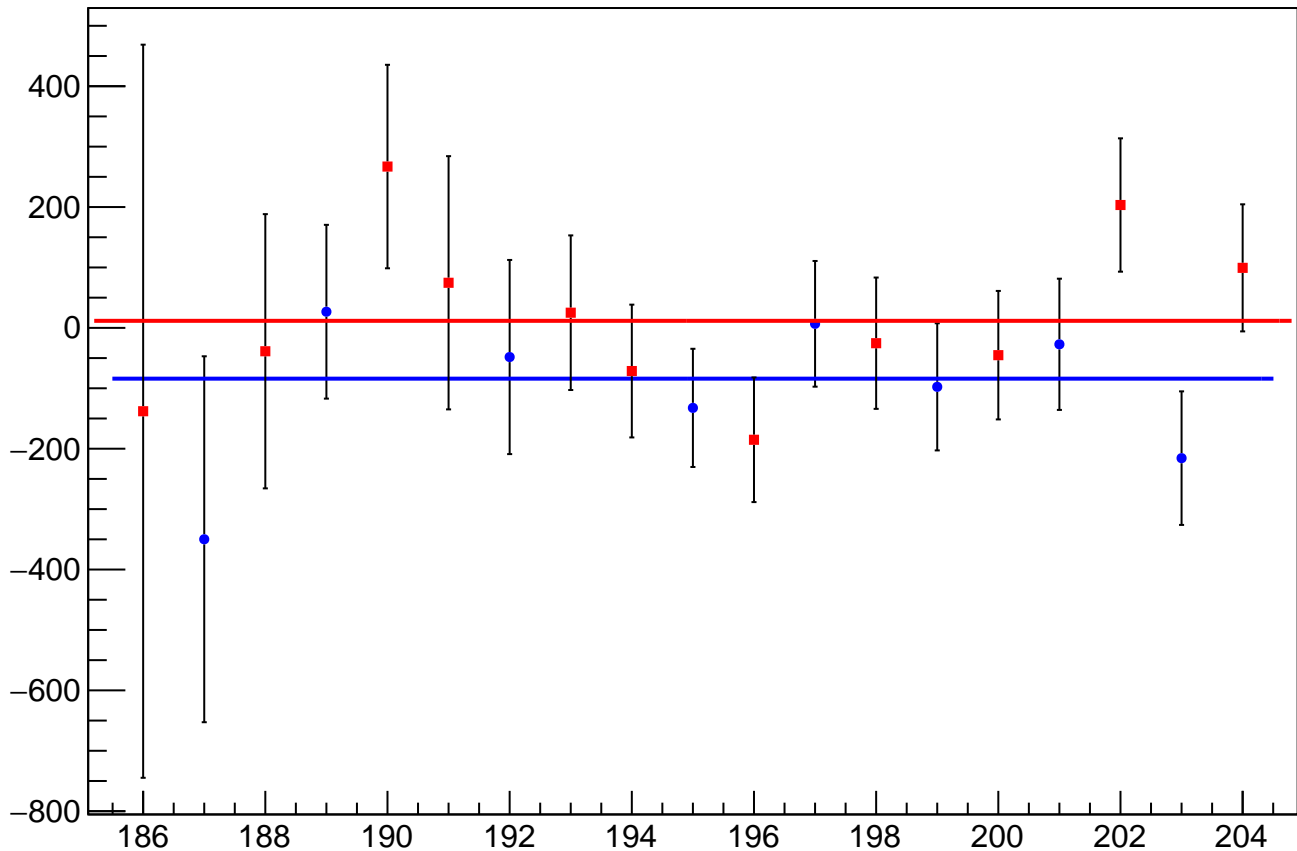
All: 2787.067+/-0.584  $\chi^2/\text{NDF}$ : 772128.5/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_15\_dd\_mean vs Slug



Right In:  $-84.049 \pm 42.569$   $\chi^2/\text{NDF}$ : 4.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $11.664 \pm 38.819$   $\chi^2/\text{NDF}$ : 10.8/10

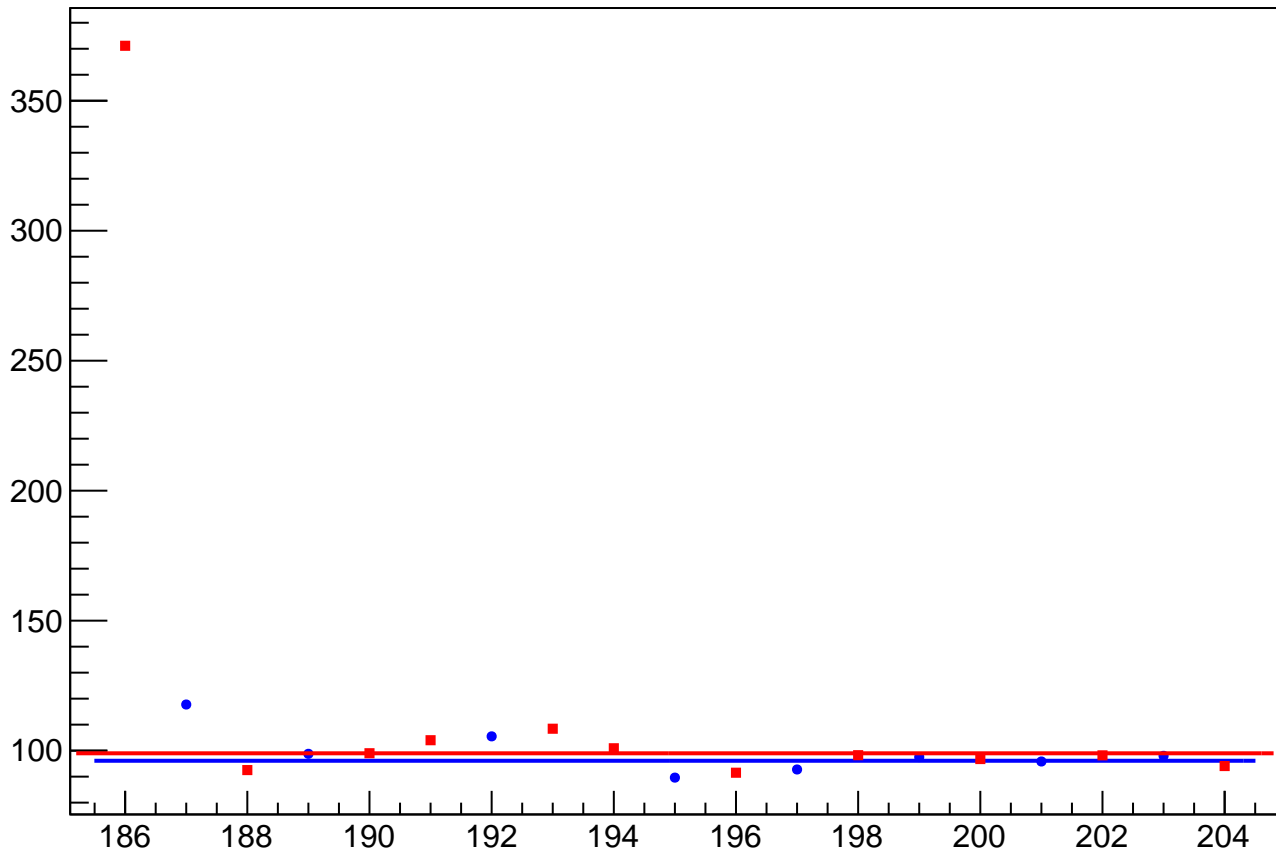
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-31.792 \pm 28.683$   $\chi^2/\text{NDF}$ : 17.7/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_dd\_rms vs Slug



Right In: 96.106 $\pm$ 0.030  $\chi^2$ /NDF: 29556.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 98.977 $\pm$ 0.027  $\chi^2$ /NDF: 432622.2/10

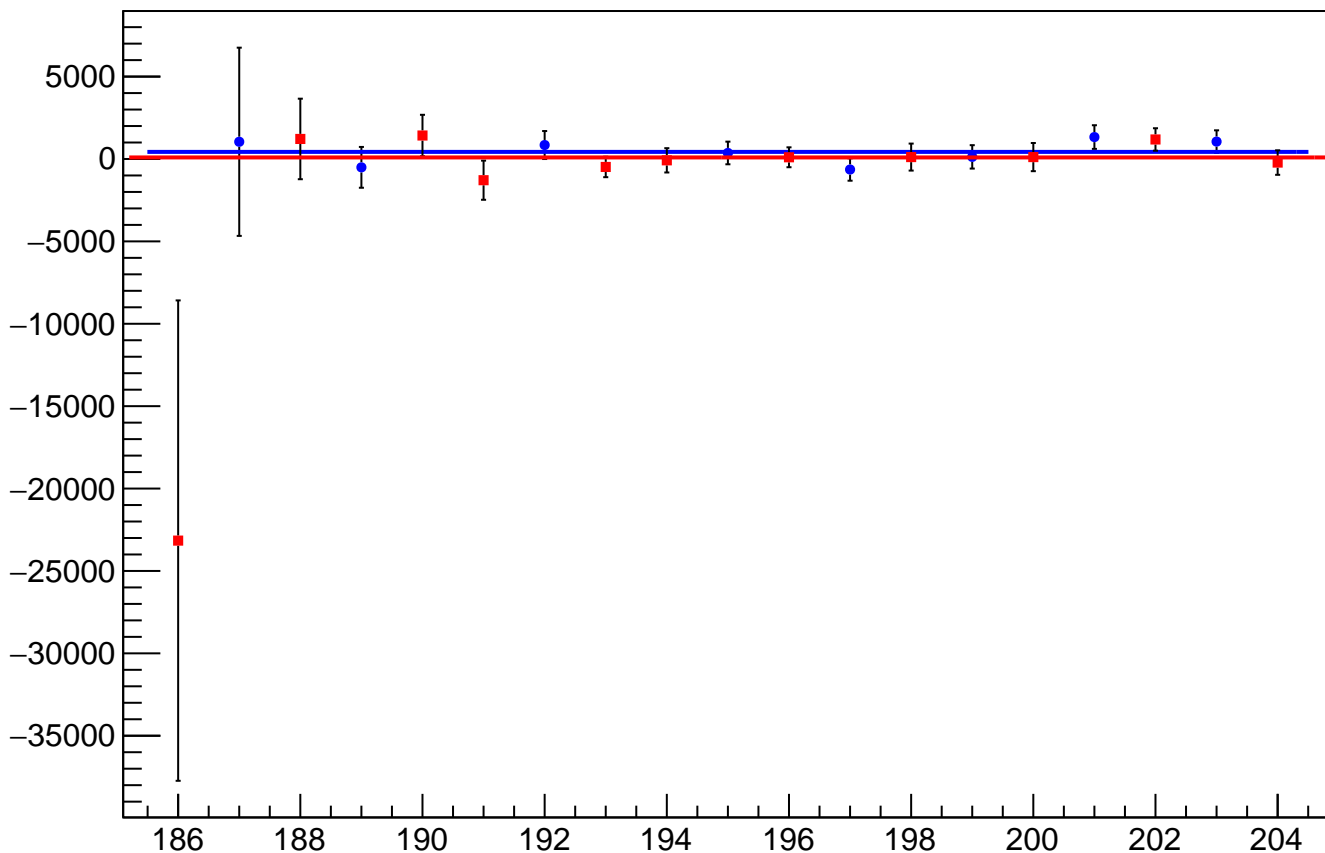
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 97.673 $\pm$ 0.020  $\chi^2$ /NDF: 467145.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_dd\_correction\_mean vs Slug



Right In: 430.743+/-283.791  $\chi^2$ /NDF: 5.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 93.586+/-253.873  $\chi^2$ /NDF: 8.9/10

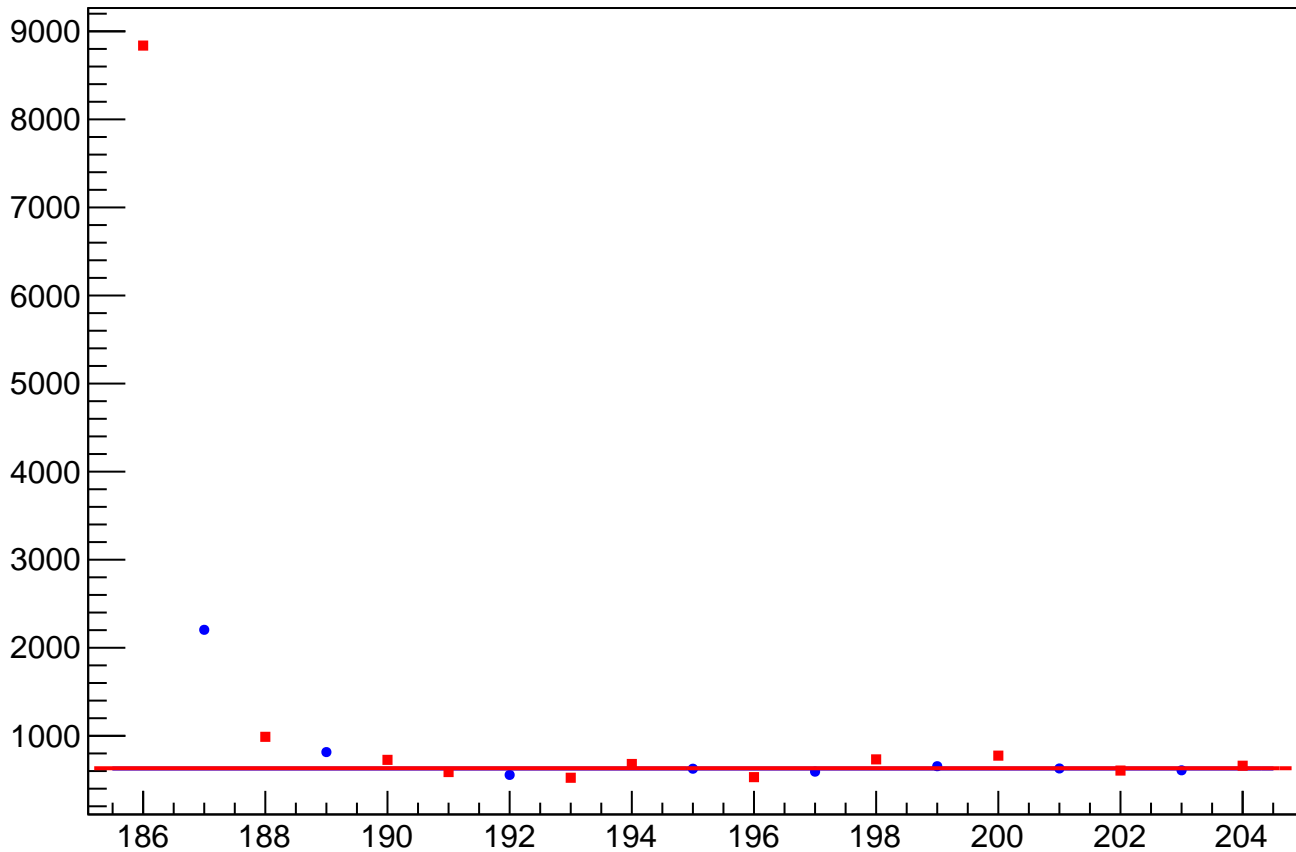
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 243.461+/-189.212  $\chi^2$ /NDF: 15.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_dd\_correction\_rms vs Slug



Right In: 628.588+/-0.201  $\chi^2$ /NDF: 222260.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 631.981+/-0.180  $\chi^2$ /NDF: 908085.5/10

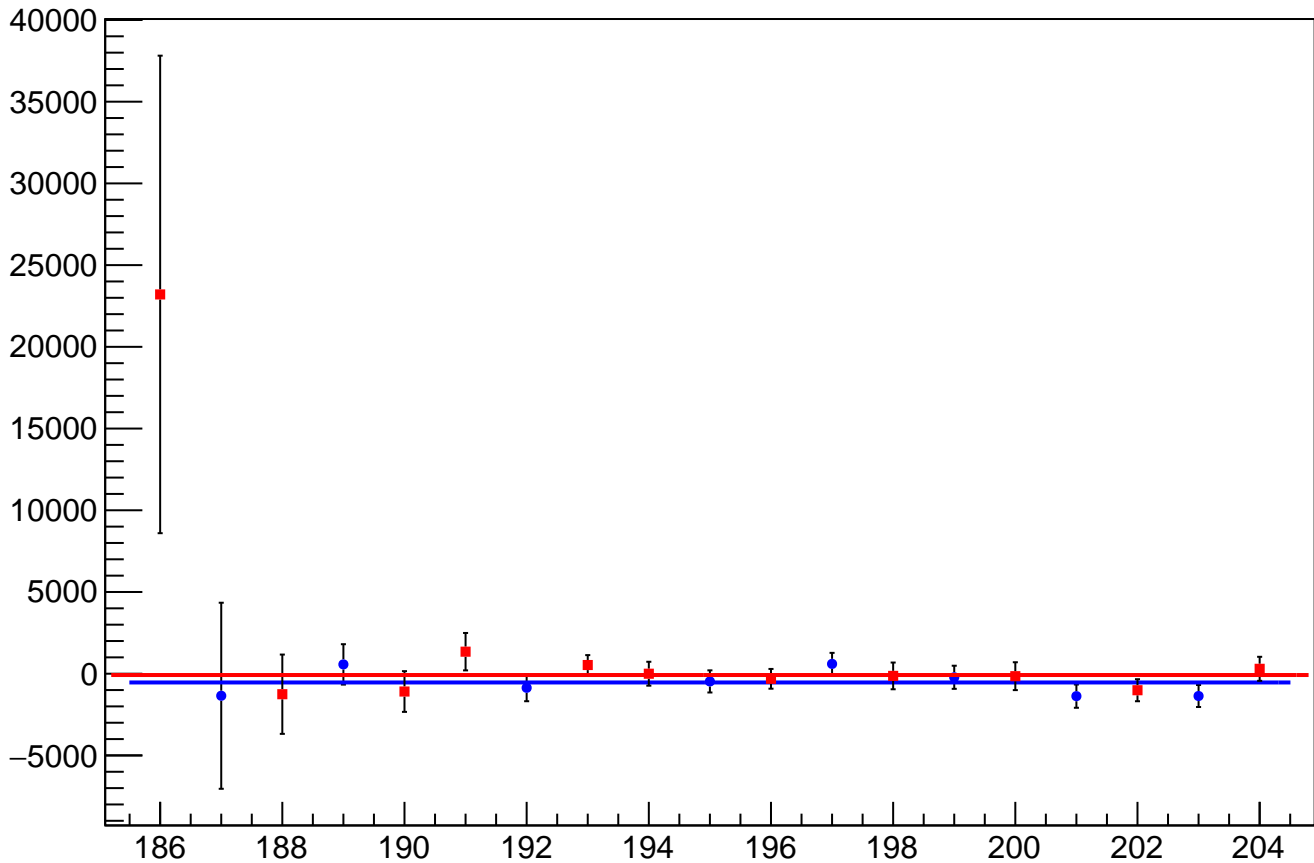
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 630.472+/-0.134  $\chi^2$ /NDF: 1130504.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_dd\_mean vs Slug



Right In:  $-535.875 \pm 280.364$   $\chi^2/\text{NDF}$ : 6.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-80.293 \pm 251.324$   $\chi^2/\text{NDF}$ : 8.3/10

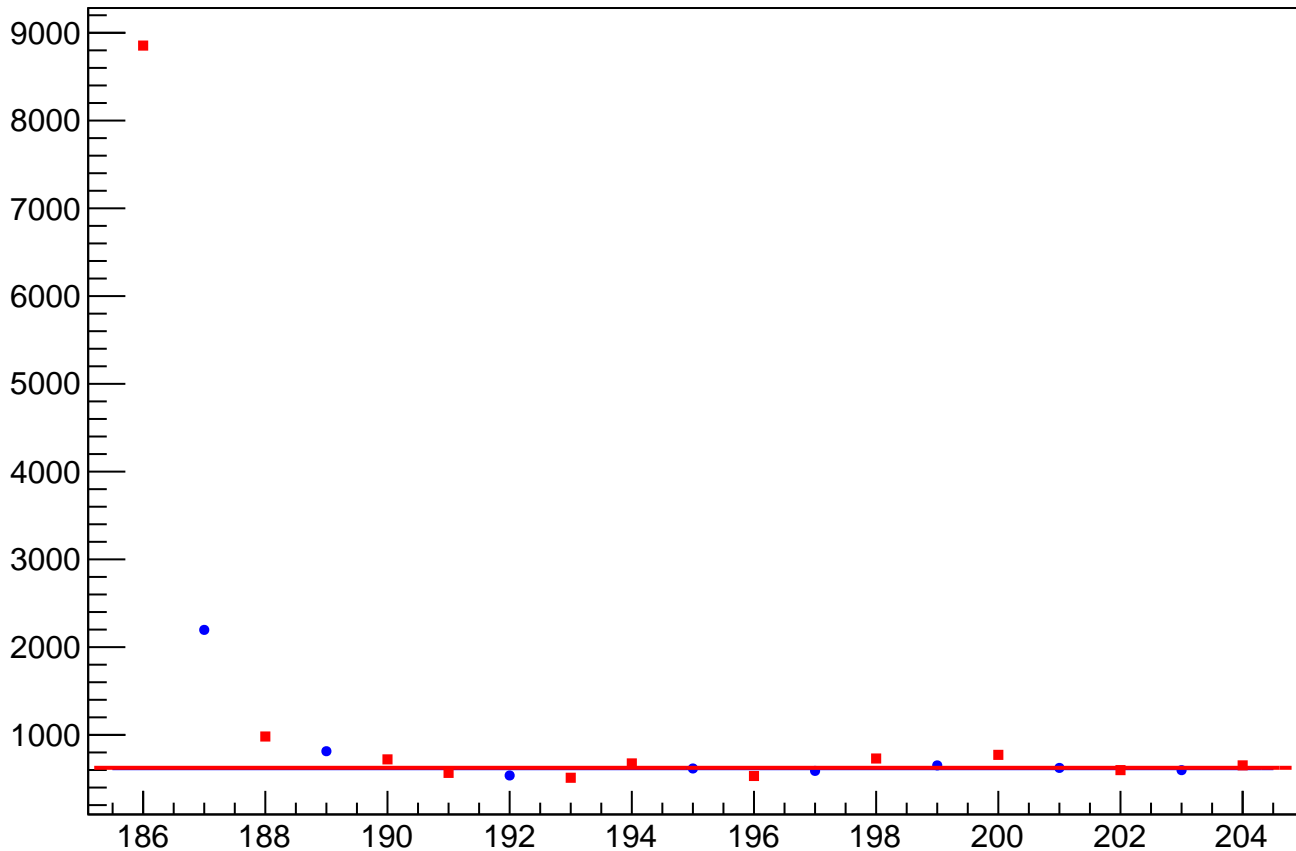
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-283.274 \pm 187.140$   $\chi^2/\text{NDF}$ : 16.7/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_dd\_rms vs Slug



Right In: 620.489+/-0.198  $\chi^2/\text{NDF}$ : 233319.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 625.173+/-0.178  $\chi^2/\text{NDF}$ : 921110.6/10

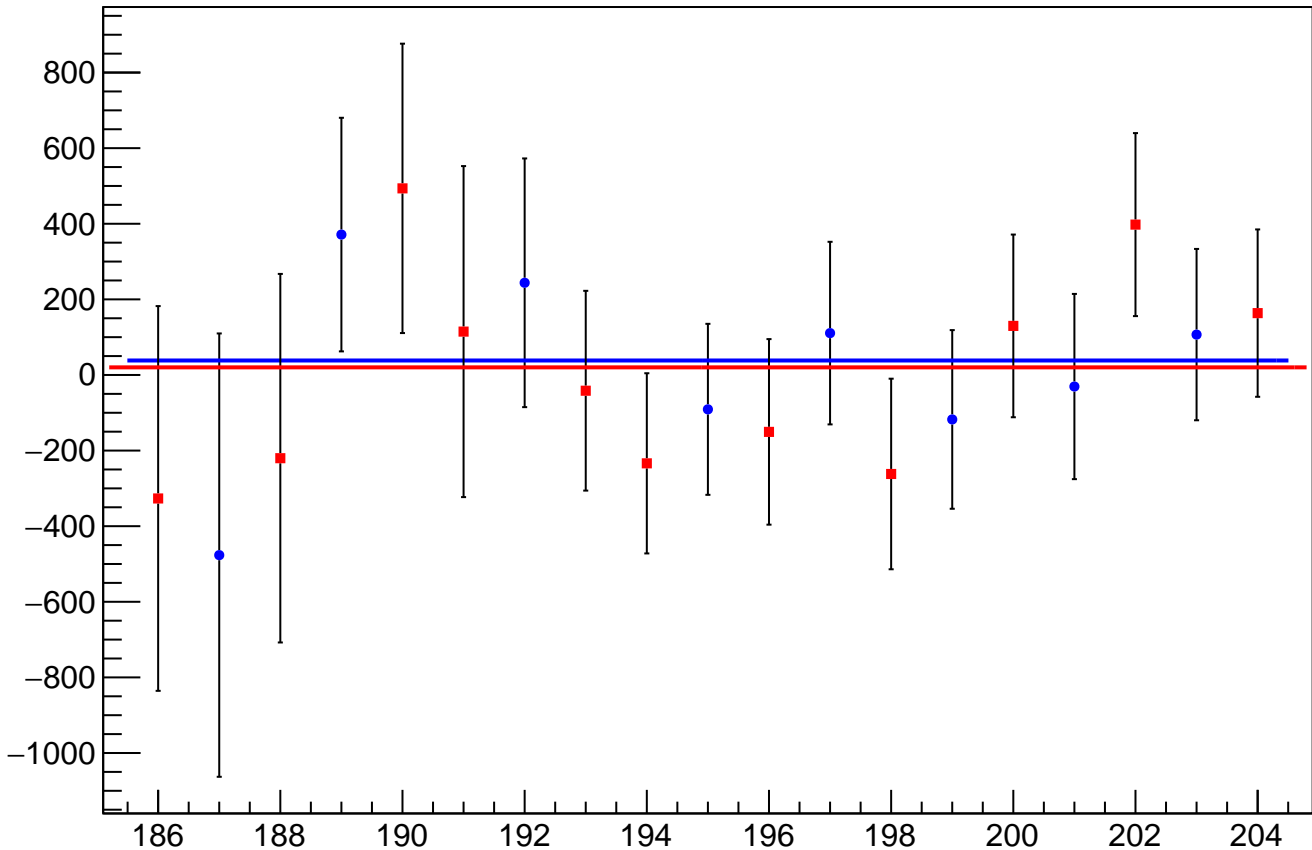
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 623.086+/-0.132  $\chi^2/\text{NDF}$ : 1154739.1/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_26\_dd\_mean vs Slug



Right In: 38.310+/-93.923  $\chi^2/\text{NDF}$ : 3.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 20.131+/-84.826  $\chi^2/\text{NDF}$ : 8.3/10

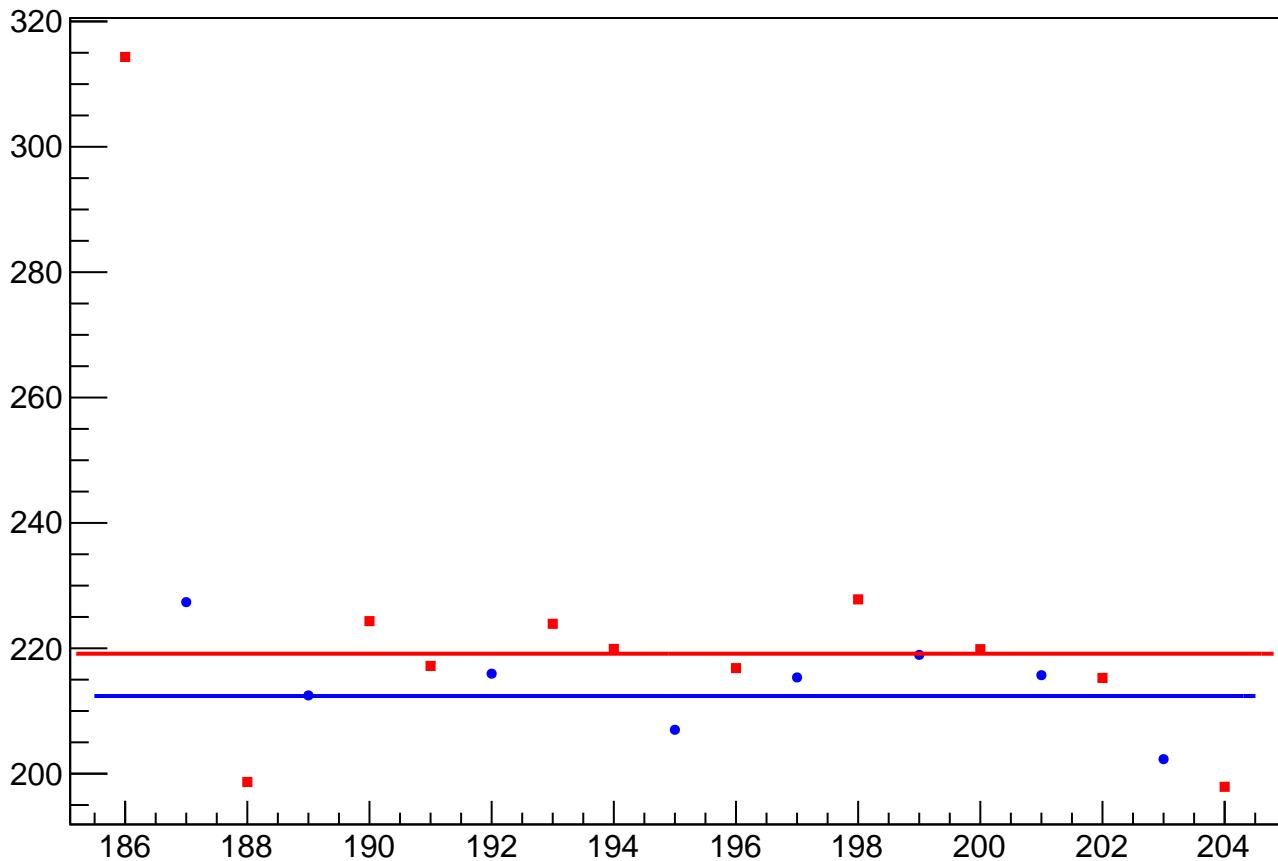
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 28.298+/-62.952  $\chi^2/\text{NDF}$ : 11.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_26\_dd\_rms vs Slug



Right In: 212.388 $\pm$ 0.066  $\chi^2$ /NDF: 8833.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 219.137 $\pm$ 0.060  $\chi^2$ /NDF: 96065.4/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

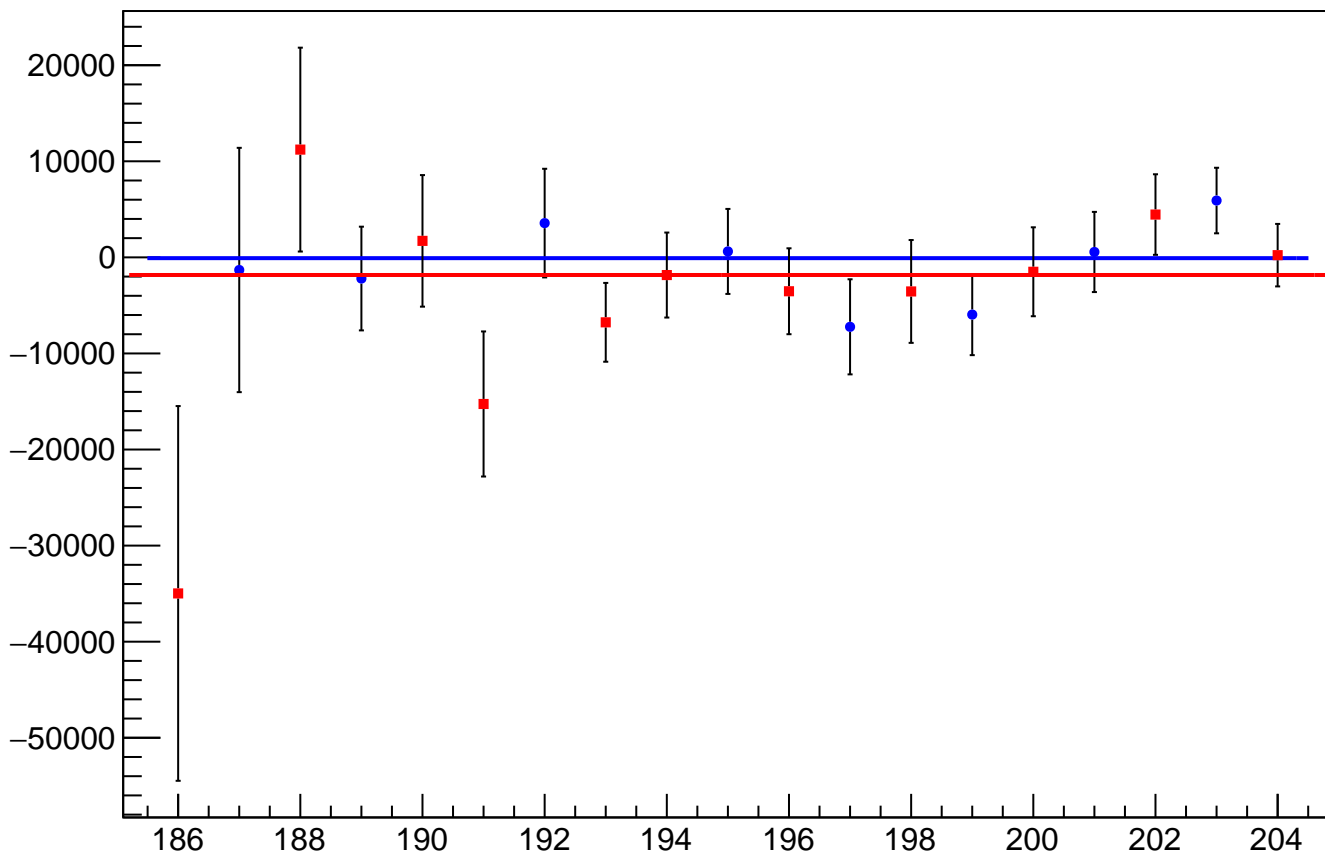
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 216.105 $\pm$ 0.045  $\chi^2$ /NDF: 110588.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_26\_dd\_correction\_mean vs Slug



Right In:  $-82.190 \pm 1659.258$   $\chi^2/\text{NDF}: 7.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1834.322 \pm 1500.750$   $\chi^2/\text{NDF}: 12.2/10$

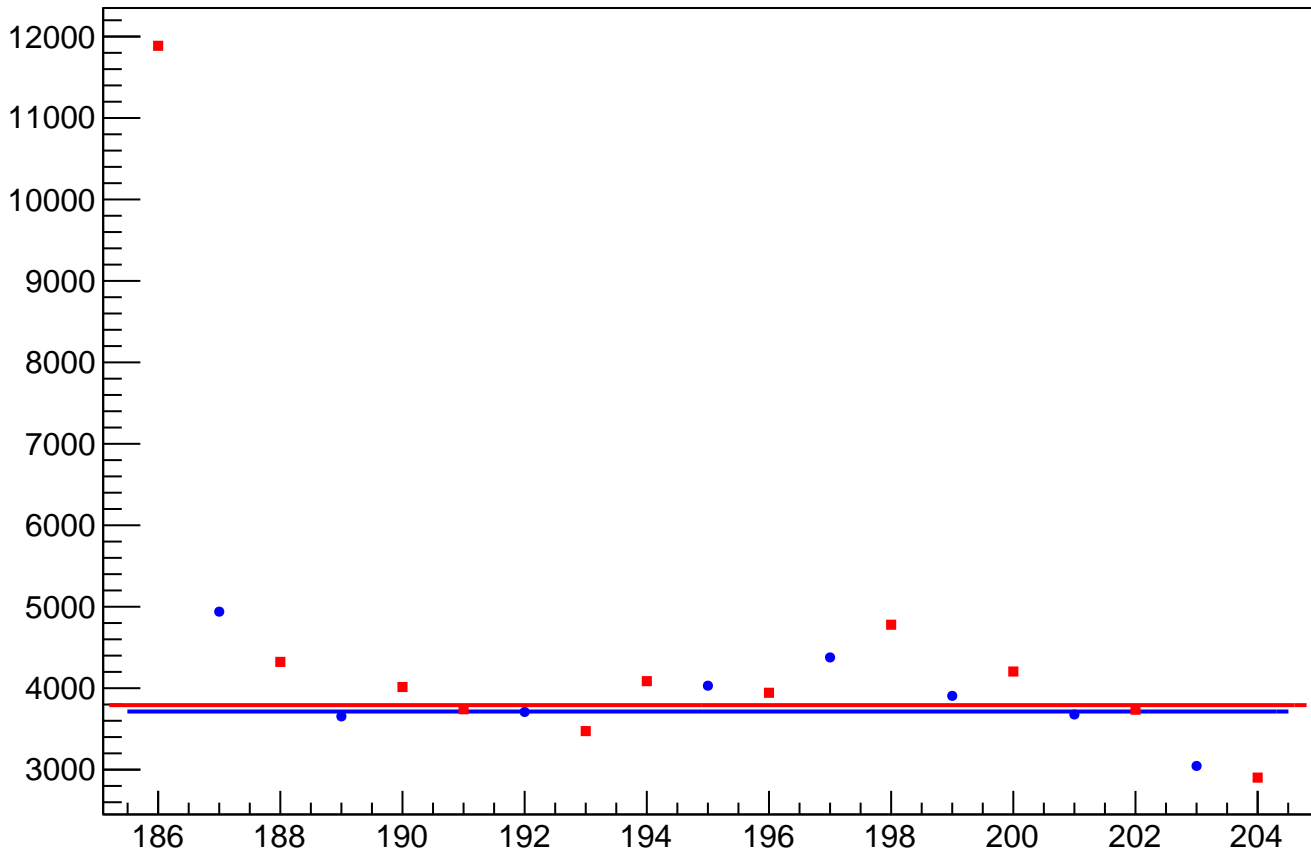
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1045.923 \pm 1113.021$   $\chi^2/\text{NDF}: 20.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam\_26\_dd\_correction\_rms vs Slug



Right In: 3713.672+/-1.173  $\chi^2/\text{NDF}$ : 146089.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

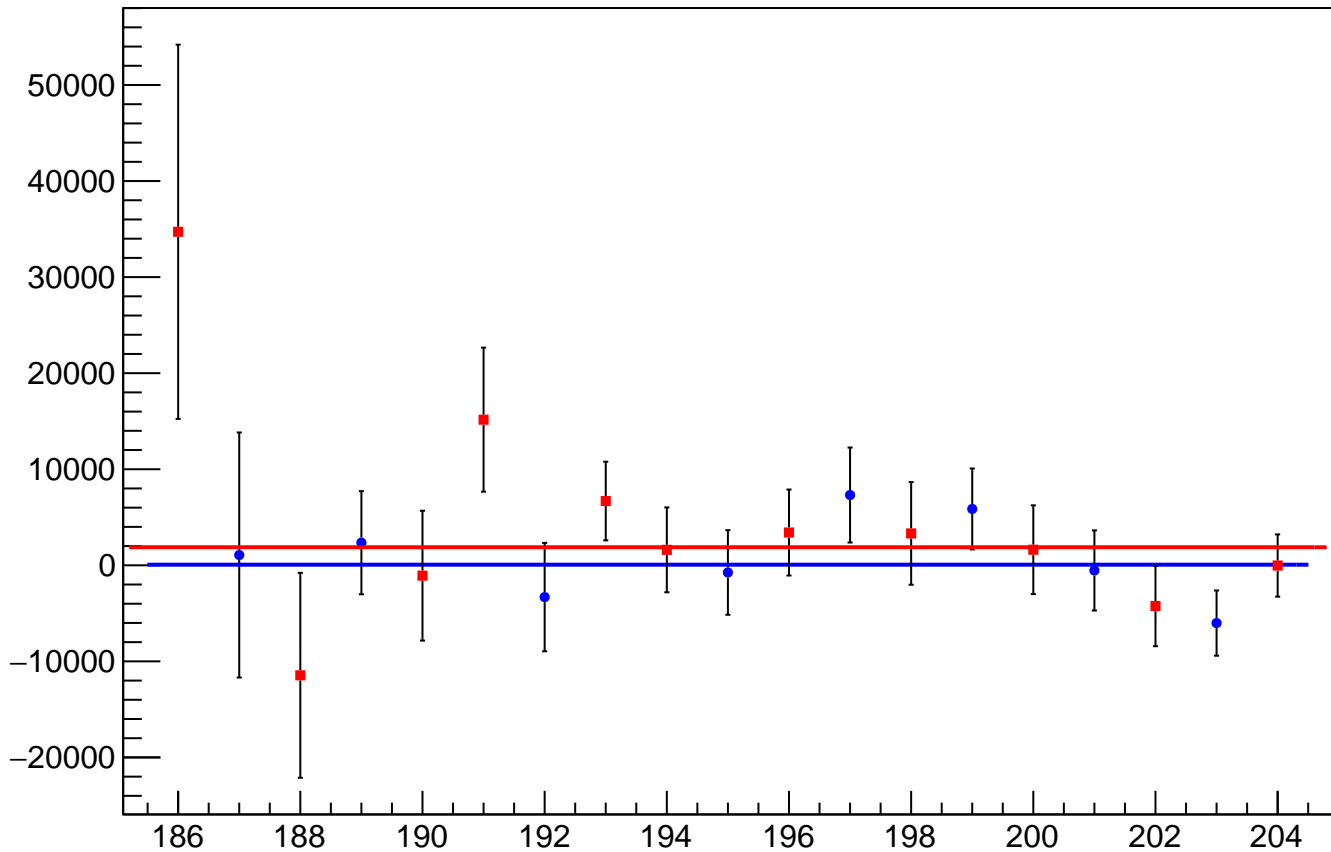
Right Out: 3792.066+/-1.061  $\chi^2/\text{NDF}$ : 609024.5/10

All: 3756.791+/-0.787  $\chi^2/\text{NDF}$ : 757570.0/18

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_dd\_mean vs Slug



Right In: 63.158+/-1654.744  $\chi^2$ /NDF: 7.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1876.886+/-1497.264  $\chi^2$ /NDF: 11.8/10

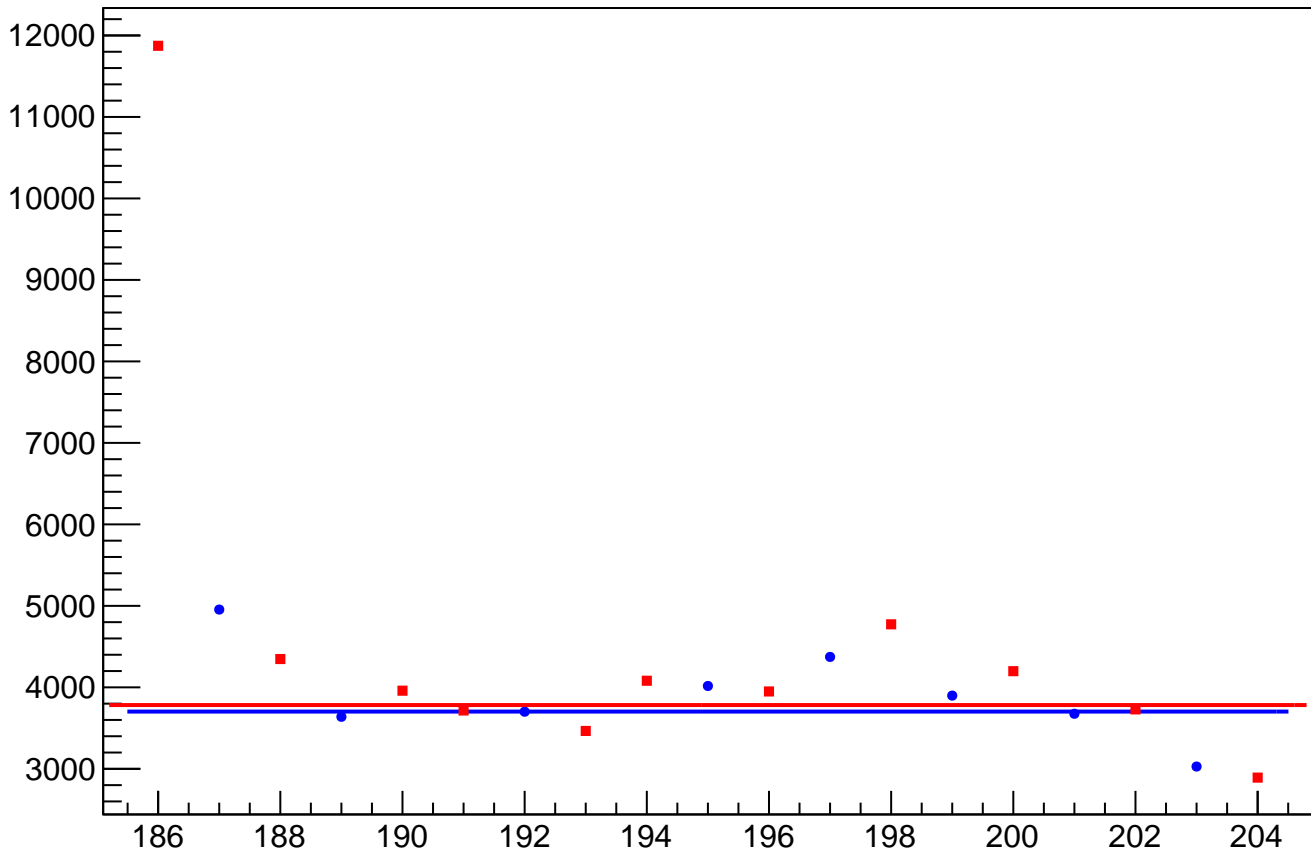
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1060.413+/-1110.237  $\chi^2$ /NDF: 20.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_dd\_rms vs Slug



Right In: 3702.799+/-1.170  $\chi^2$ /NDF: 149893.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3782.632+/-1.059  $\chi^2$ /NDF: 612326.3/10

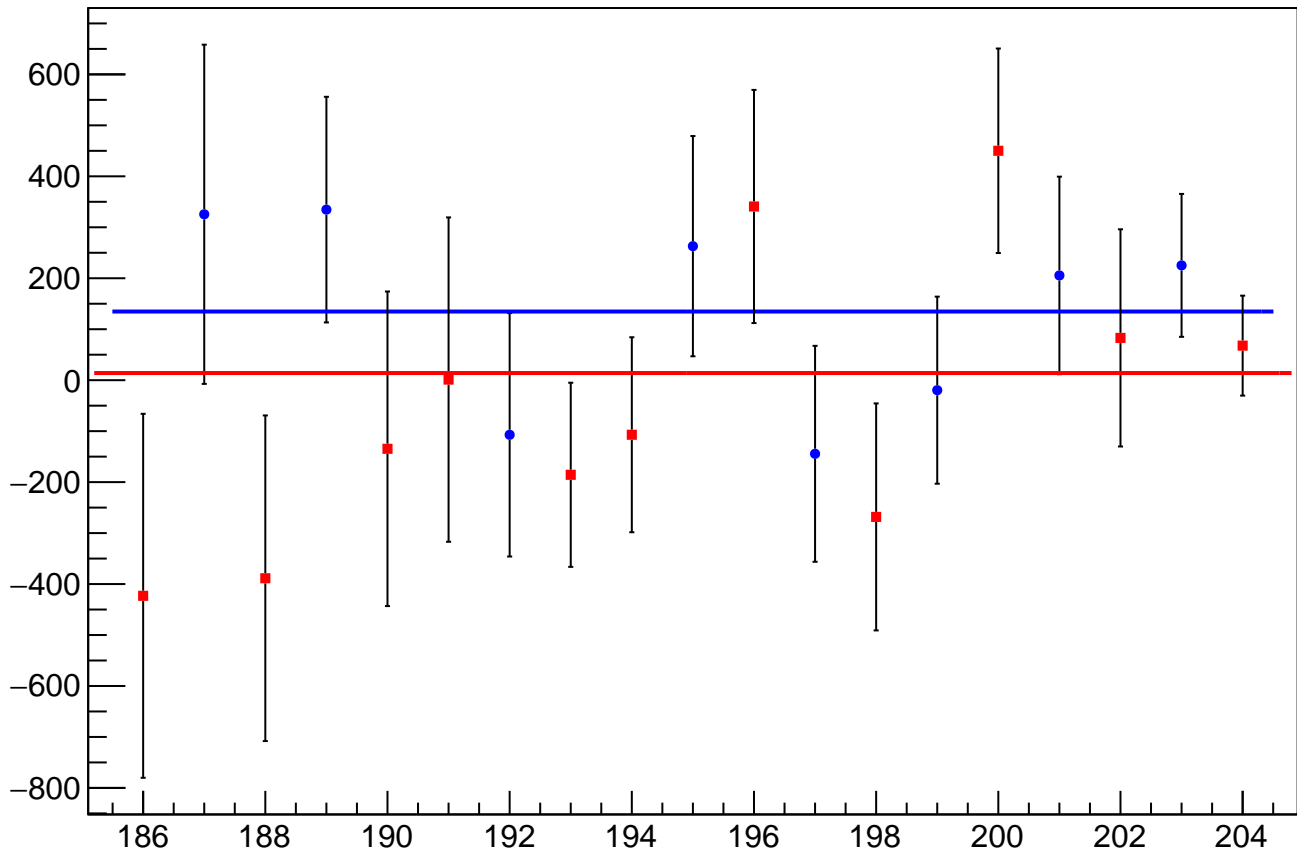
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 3746.694+/-0.785  $\chi^2$ /NDF: 764779.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_dd\_mean vs Slug



Right In: 134.721 $\pm$ 71.092  $\chi^2$ /NDF: 5.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 14.049 $\pm$ 59.122  $\chi^2$ /NDF: 13.7/10

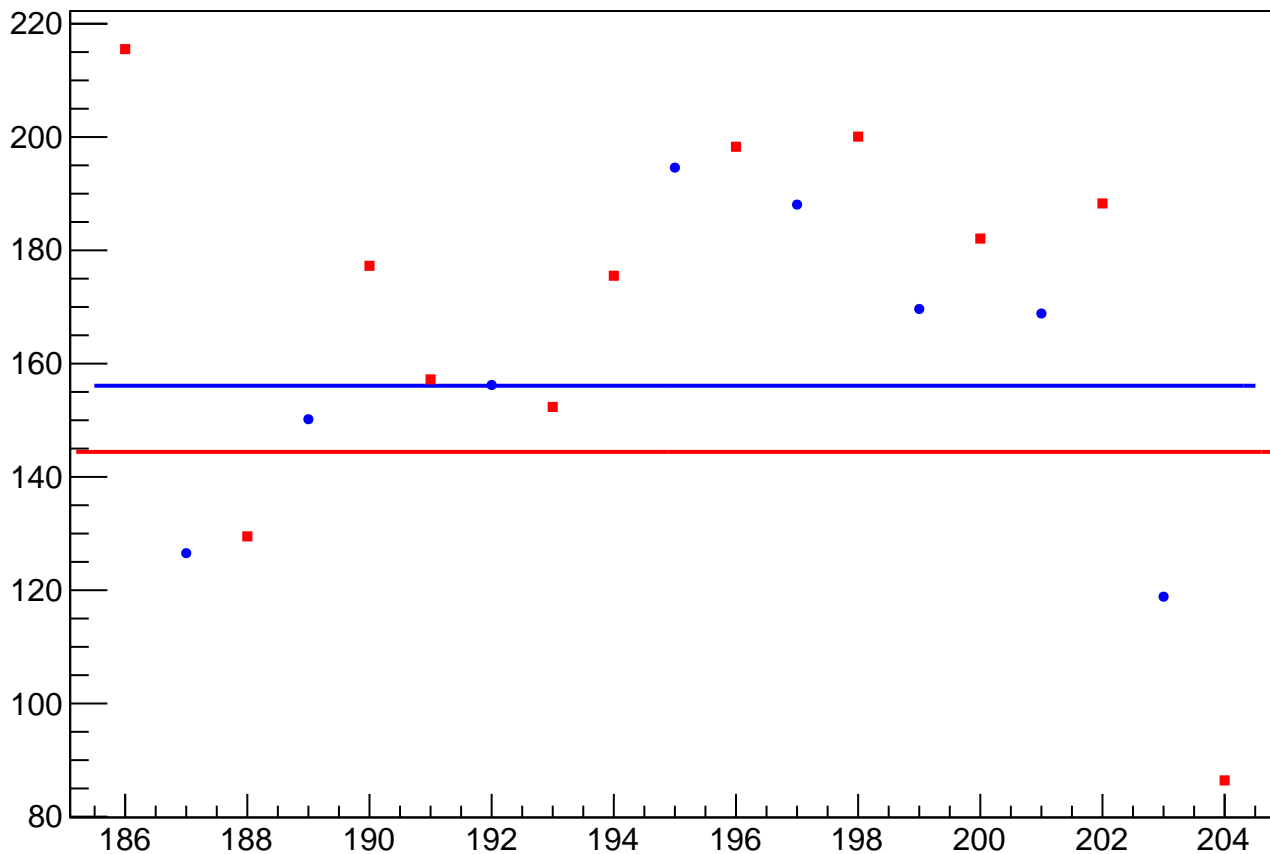
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 63.386 $\pm$ 45.457  $\chi^2$ /NDF: 20.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_dd\_rms vs Slug



Right In: 156.094 $\pm$ 0.050  $\chi^2$ /NDF: 286917.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

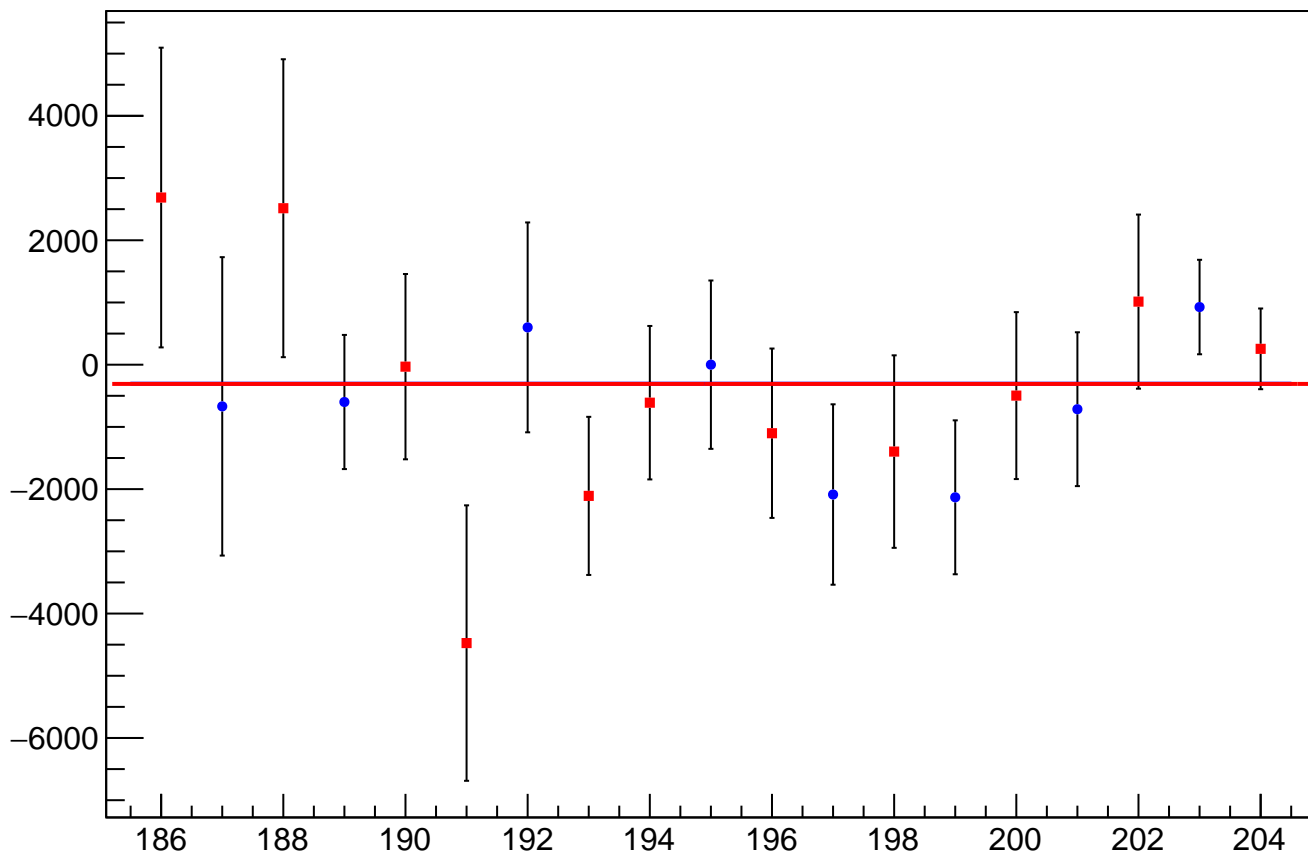
Right Out: 144.419 $\pm$ 0.042  $\chi^2$ /NDF: 1256644.9/10

All: 149.192 $\pm$ 0.032  $\chi^2$ /NDF: 1575447.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

# asym\_sam\_37\_dd\_correction\_mean vs Slug



Right In:  $-305.778 \pm 428.350$   $\chi^2/\text{NDF}$ : 6.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-308.932 \pm 386.934$   $\chi^2/\text{NDF}$ : 11.1/10

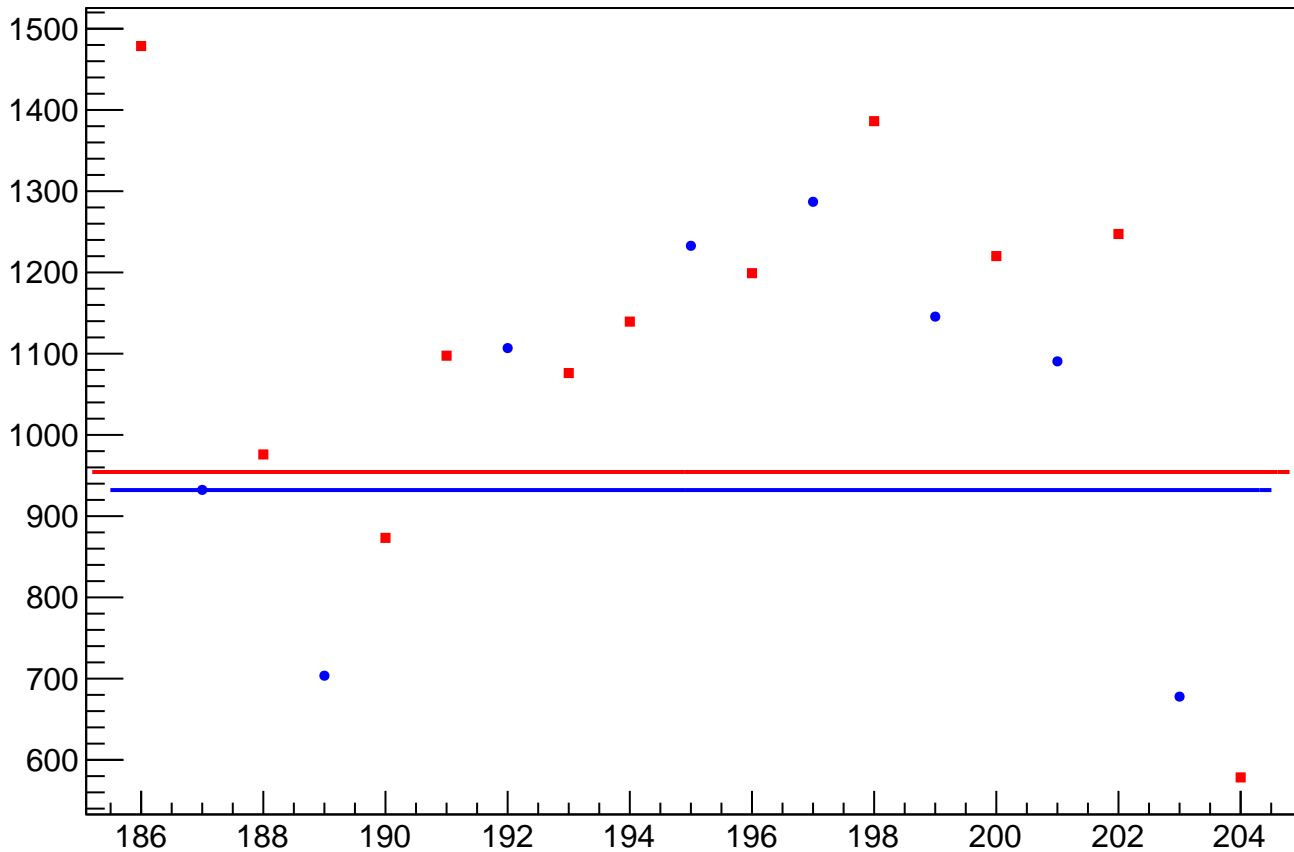
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-307.515 \pm 287.132$   $\chi^2/\text{NDF}$ : 17.9/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_dd\_correction\_rms vs Slug



Right In: 932.117+/-0.303  $\chi^2/\text{NDF}$ : 646575.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 954.367+/-0.274  $\chi^2/\text{NDF}$ : 1231302.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

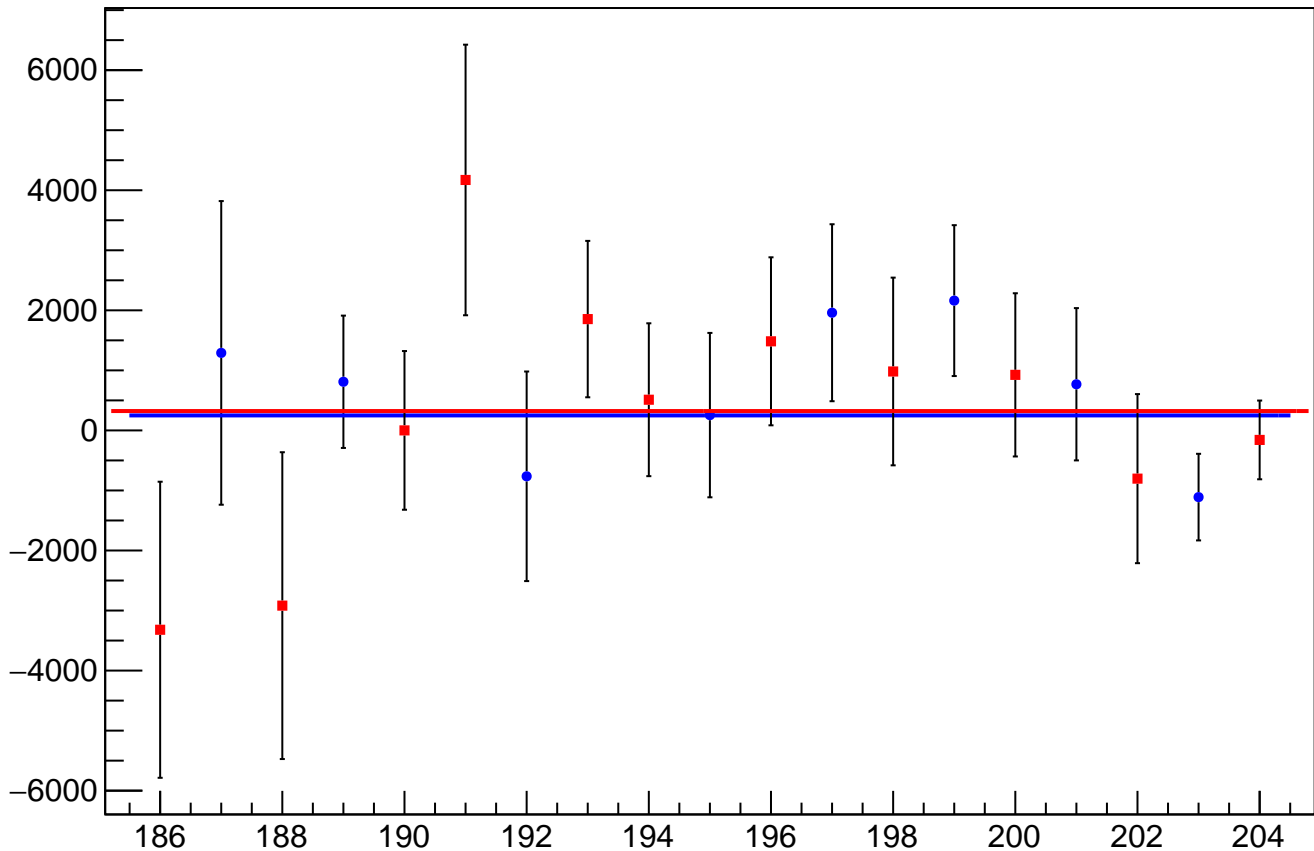
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 944.369+/-0.203  $\chi^2/\text{NDF}$ : 1880848.8/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_37\_dd\_mean vs Slug



Right In: 249.725+/-427.201  $\chi^2$ /NDF: 8.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 322.556+/-389.676  $\chi^2$ /NDF: 10.4/10

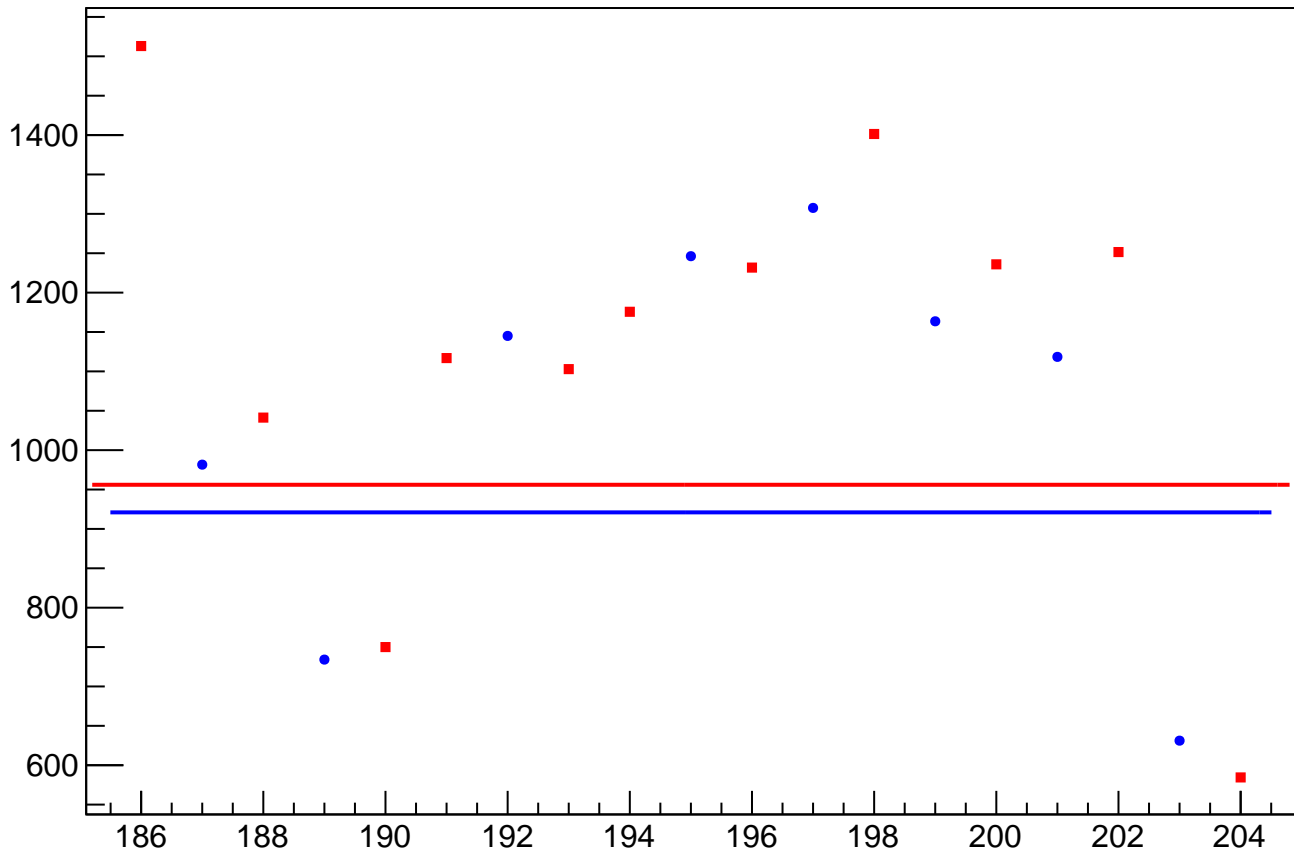
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 289.479+/-287.896  $\chi^2$ /NDF: 18.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_dd\_rms vs Slug



Right In: 920.998 $\pm$ 0.302  $\chi^2$ /NDF: 788079.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 956.042 $\pm$ 0.276  $\chi^2$ /NDF: 1303157.3/10

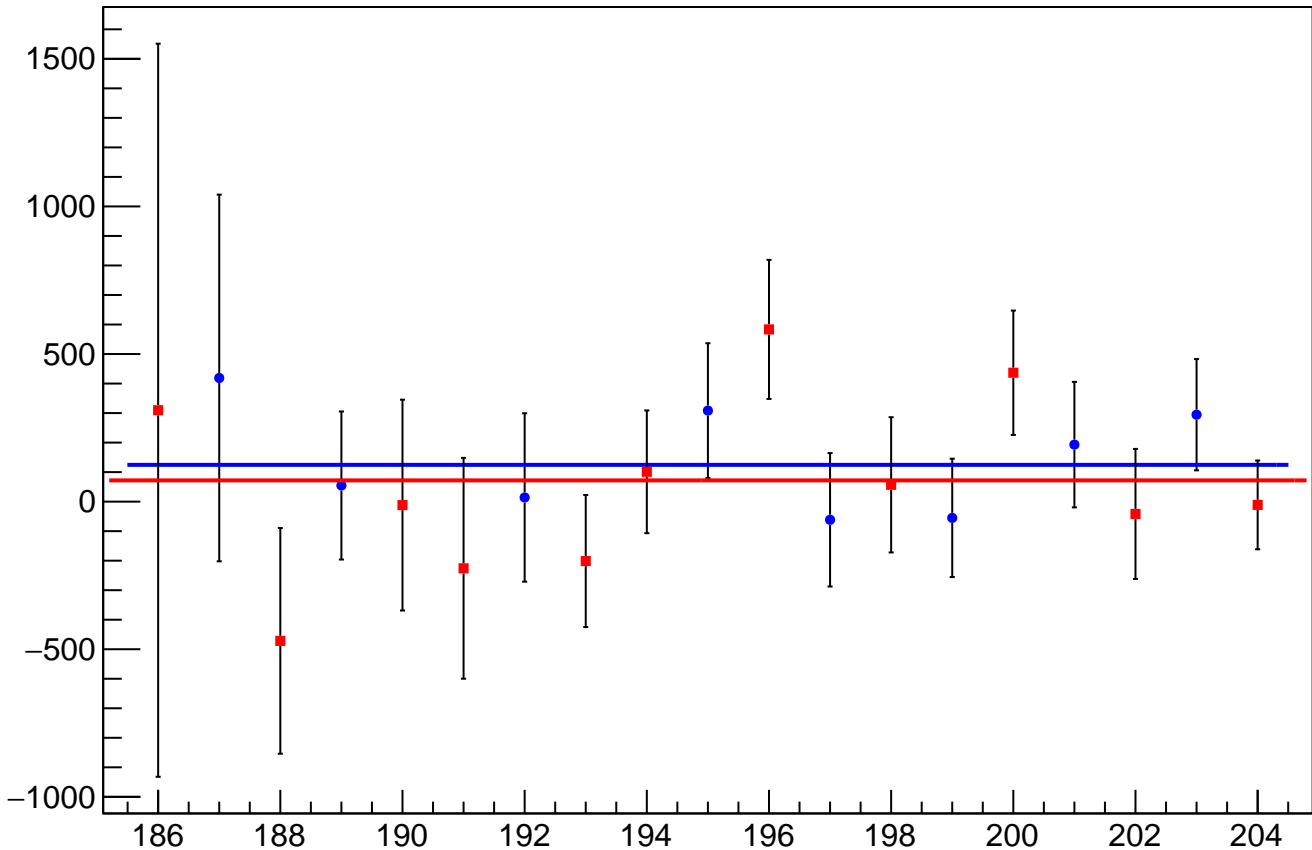
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 940.127 $\pm$ 0.204  $\chi^2$ /NDF: 2098583.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_48\_dd\_mean vs Slug



Right In: 124.625 $\pm$ 83.132  $\chi^2$ /NDF: 3.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 72.006 $\pm$ 72.533  $\chi^2$ /NDF: 12.5/10

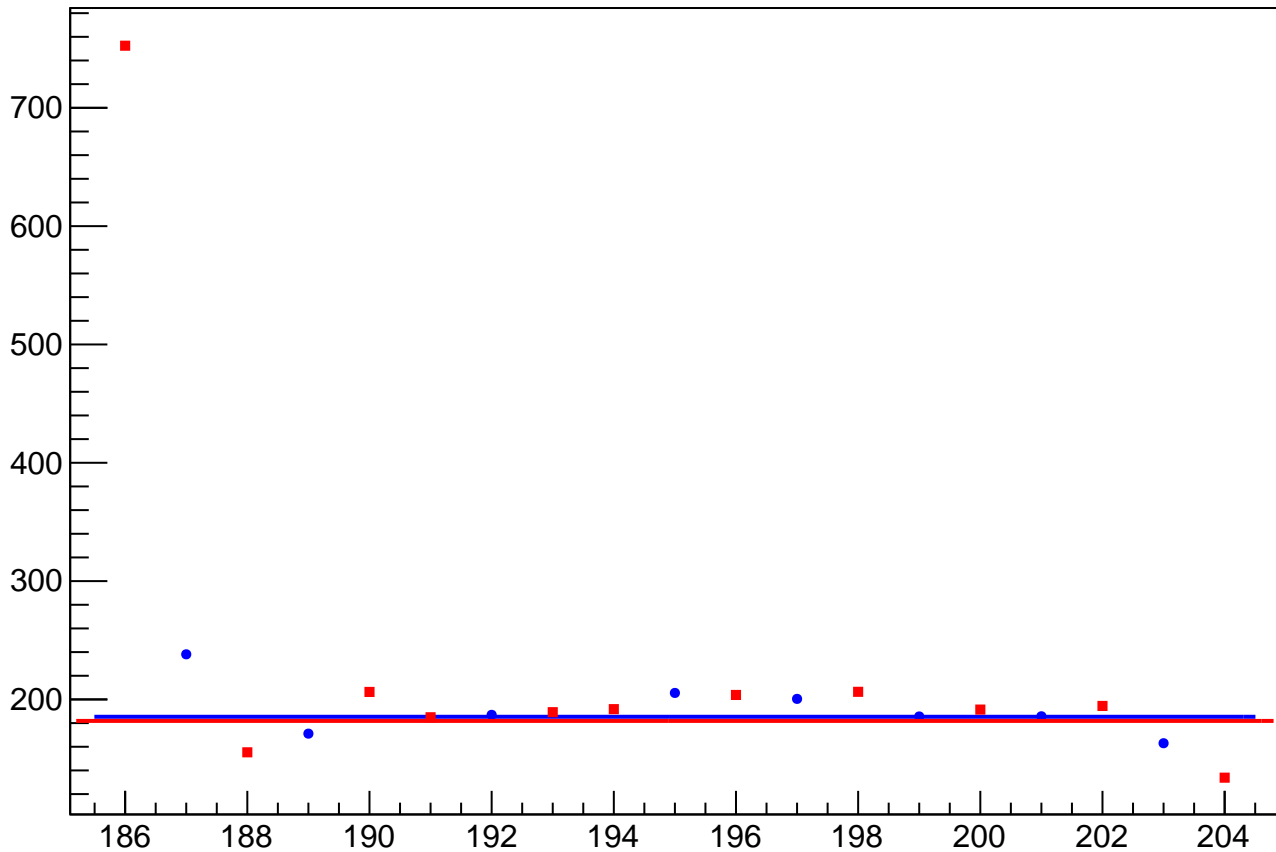
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 94.749 $\pm$ 54.654  $\chi^2$ /NDF: 16.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_48\_dd\_rms vs Slug



Right In: 185.339 $\pm$ 0.059  $\chi^2$ /NDF: 73649.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 181.838 $\pm$ 0.051  $\chi^2$ /NDF: 703056.9/10

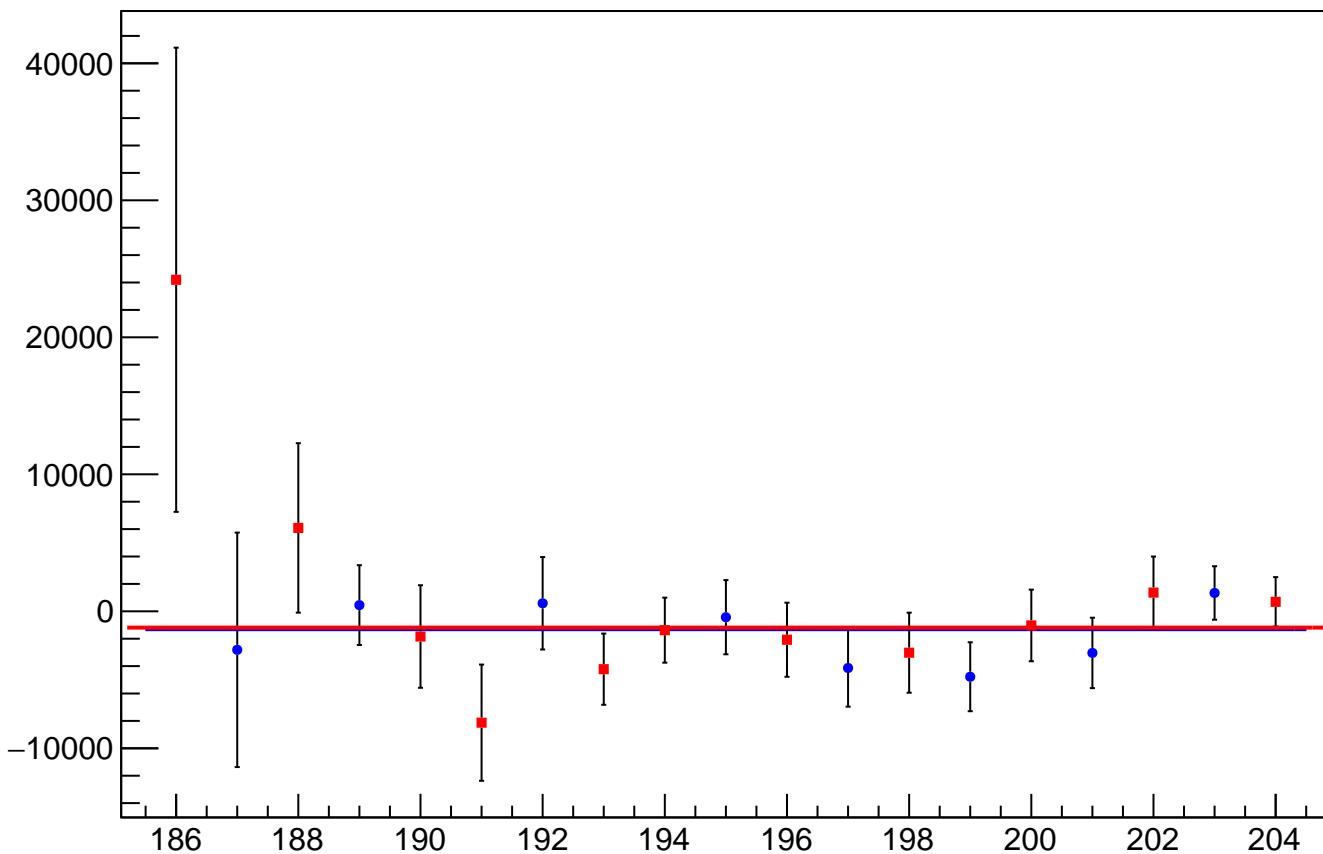
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 183.351 $\pm$ 0.039  $\chi^2$ /NDF: 778719.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_correction\_mean vs Slug



Right In: -1303.736+/-974.437  $\chi^2$ /NDF: 6.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1189.701+/-865.643  $\chi^2$ /NDF: 10.2/10

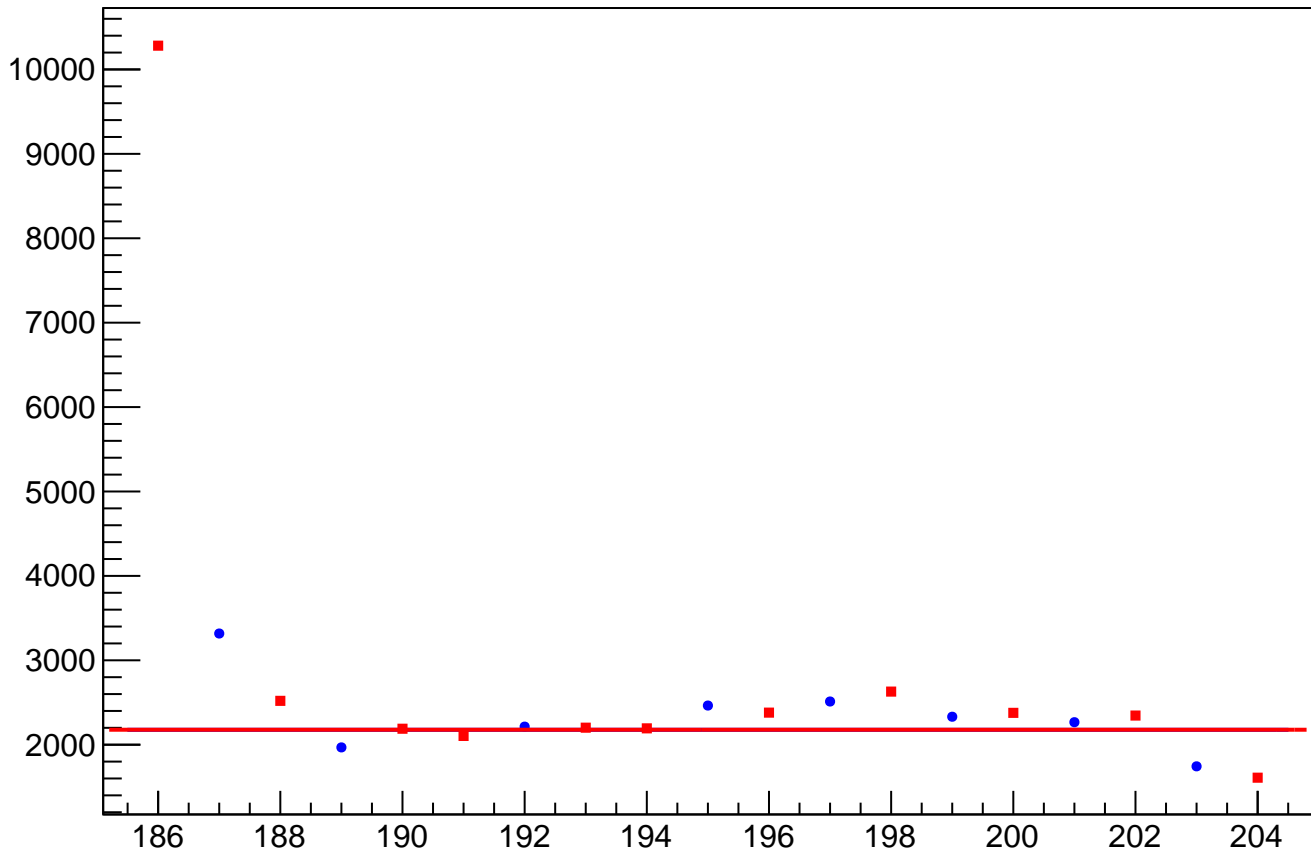
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -1239.999+/-647.162  $\chi^2$ /NDF: 16.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_correction\_rms vs Slug



Right In: 2176.595+/-0.689  $\chi^2/\text{NDF}$ : 205168.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2177.428+/-0.612  $\chi^2/\text{NDF}$ : 742117.6/10

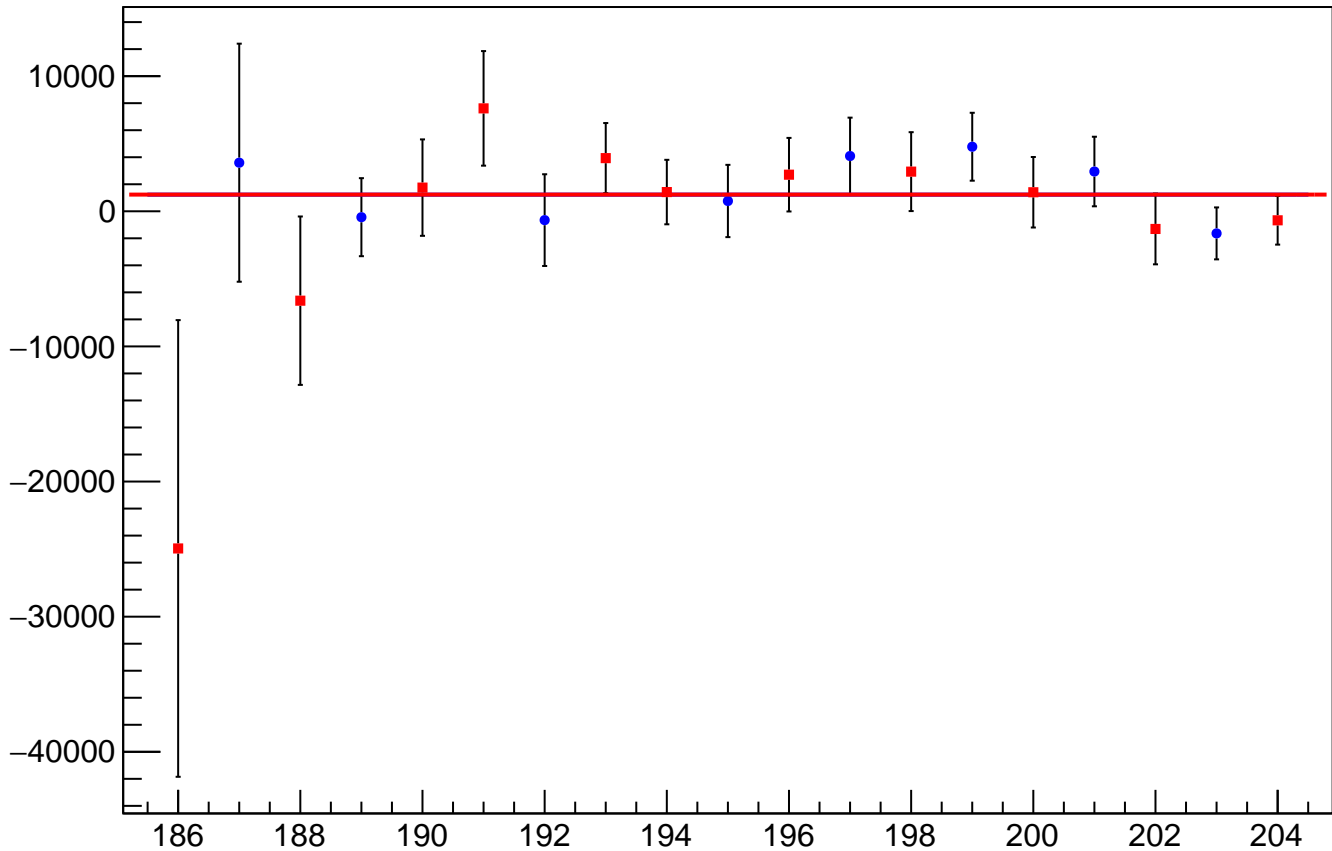
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2177.061+/-0.458  $\chi^2/\text{NDF}$ : 947286.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_dd\_mean vs Slug



Right In: 1230.242+/-969.689  $\chi^2$ /NDF: 6.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1234.569+/-863.368  $\chi^2$ /NDF: 10.1/10

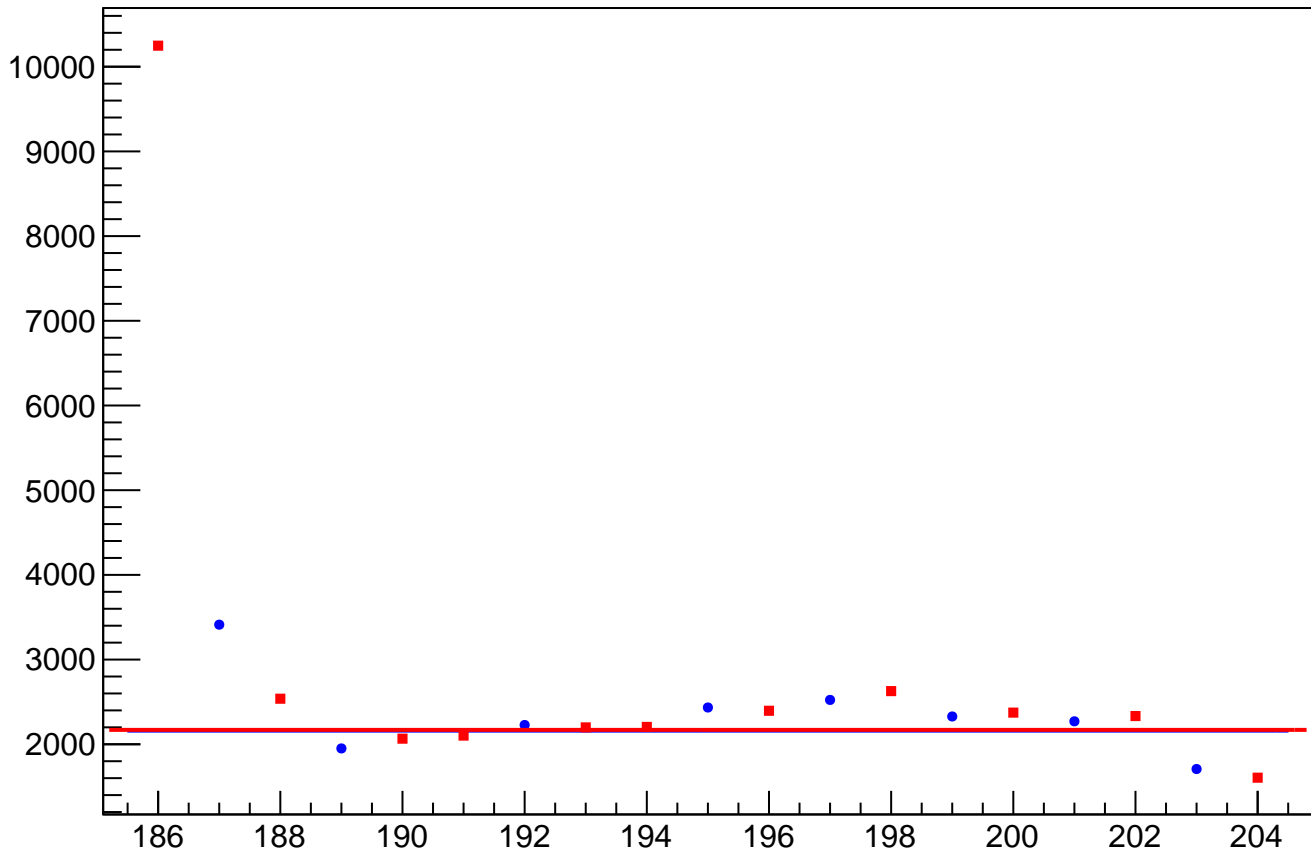
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1232.656+/-644.820  $\chi^2$ /NDF: 16.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_rms vs Slug



Right In: 2161.298+/-0.686  $\chi^2/\text{NDF}$ : 228867.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2169.914+/-0.610  $\chi^2/\text{NDF}$ : 746767.9/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

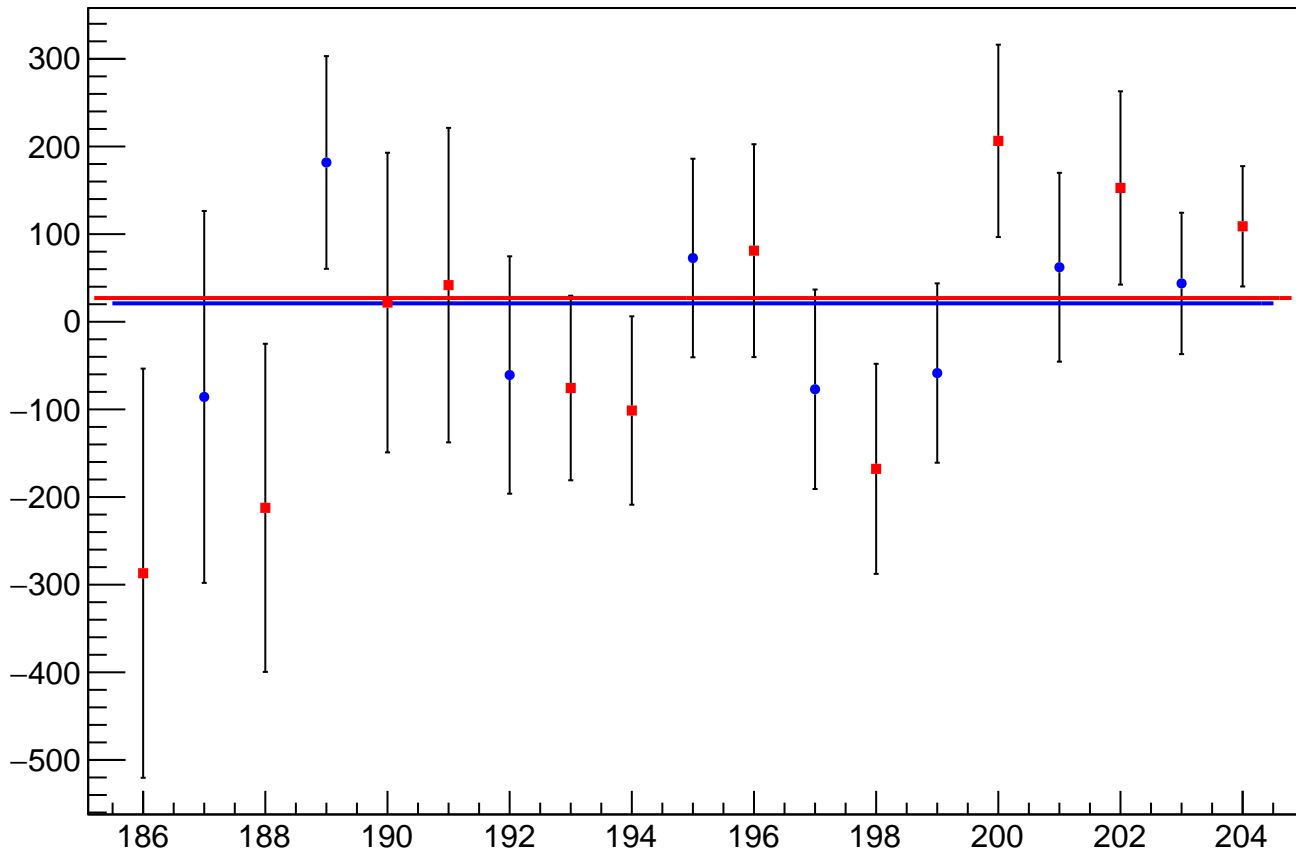
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2166.104+/-0.456  $\chi^2/\text{NDF}$ : 975723.2/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_13\_57\_dd\_mean vs Slug



Right In: 21.013+/-39.681  $\chi^2$ /NDF: 4.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 27.080+/-35.275  $\chi^2$ /NDF: 14.1/10

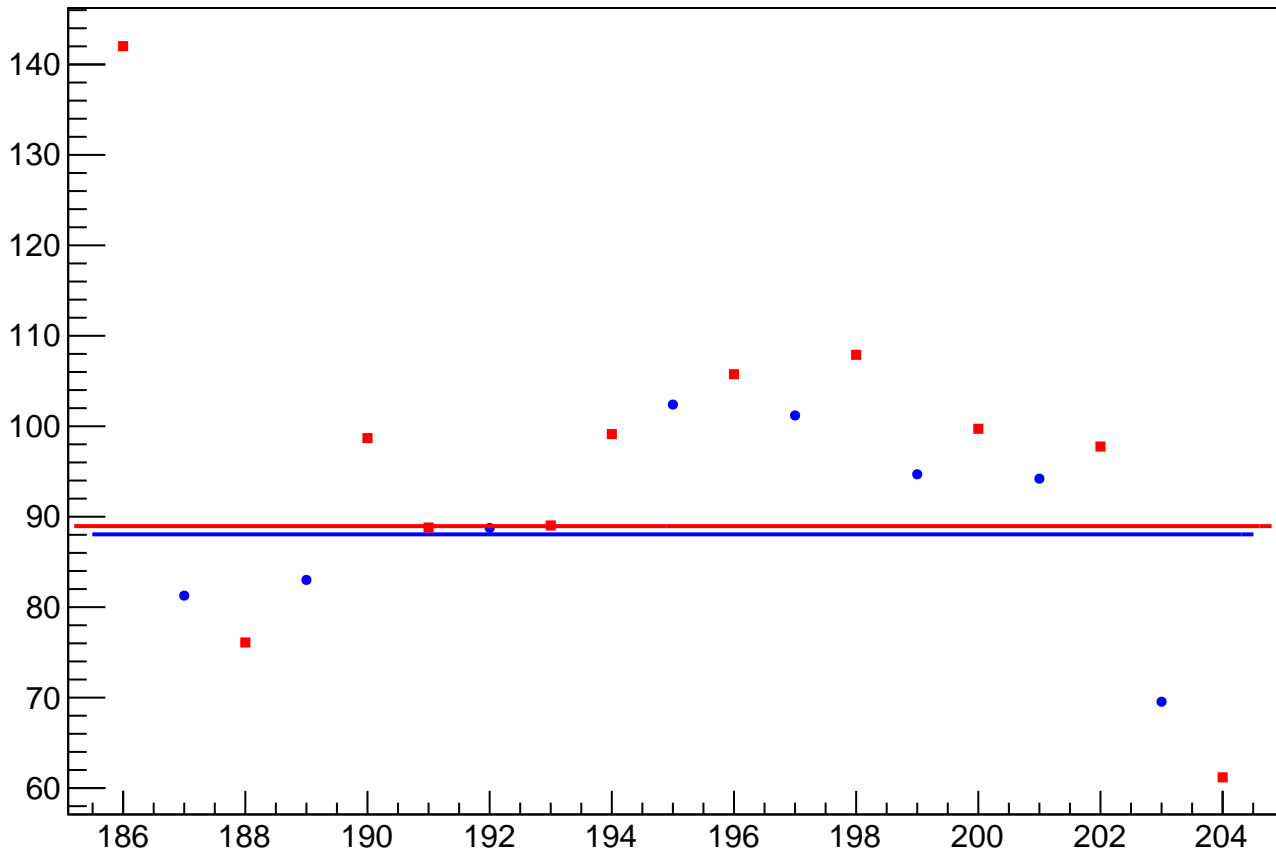
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 24.402+/-26.364  $\chi^2$ /NDF: 18.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_13\_57\_dd\_rms vs Slug



Right In: 88.050+/-0.028  $\chi^2$ /NDF: 184519.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 88.961+/-0.025  $\chi^2$ /NDF: 584739.5/10

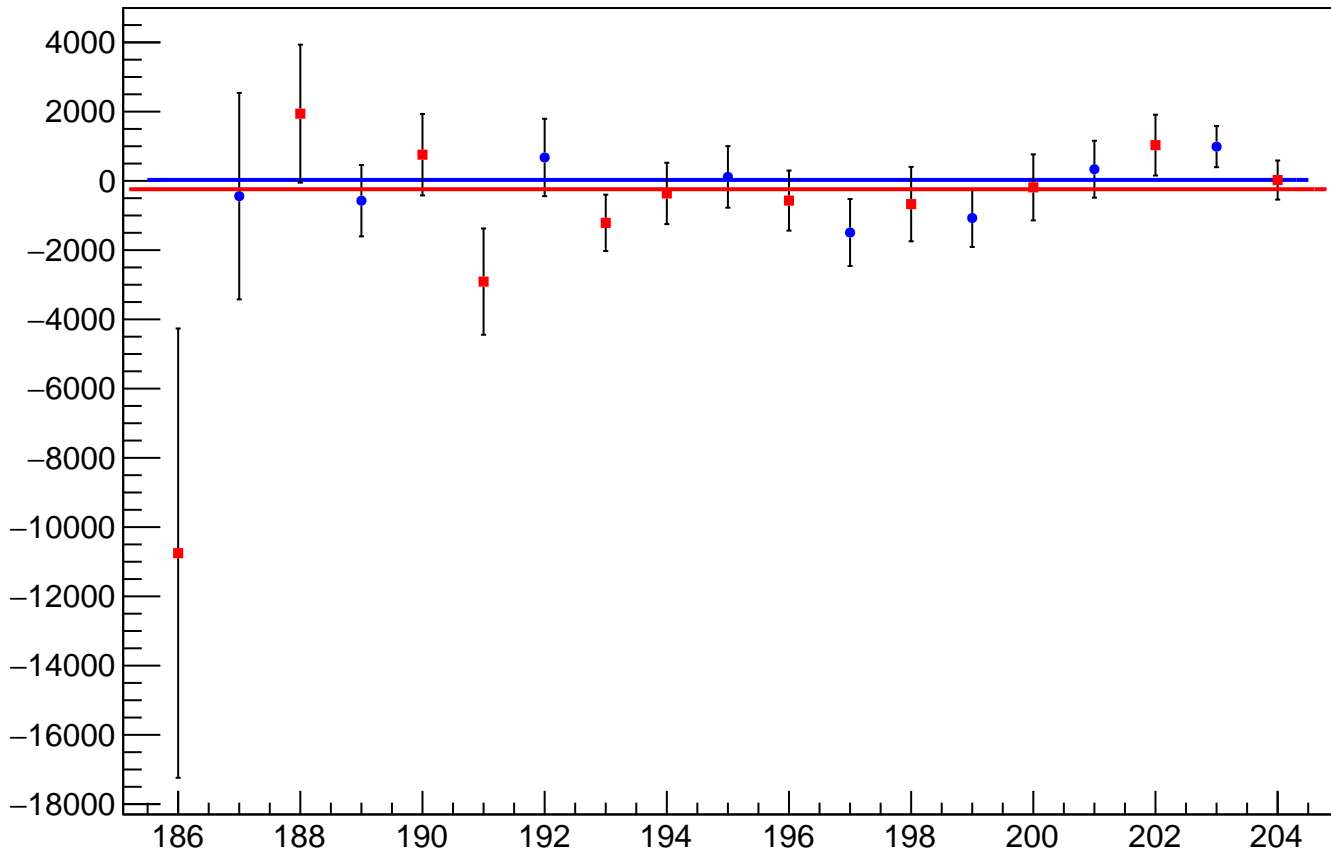
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 88.558+/-0.019  $\chi^2$ /NDF: 769847.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_13\_57\_dd\_correction\_mean vs Slug



Right In: 27.535+/-317.206  $\chi^2$ /NDF: 7.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -241.185+/-289.441  $\chi^2$ /NDF: 11.6/10

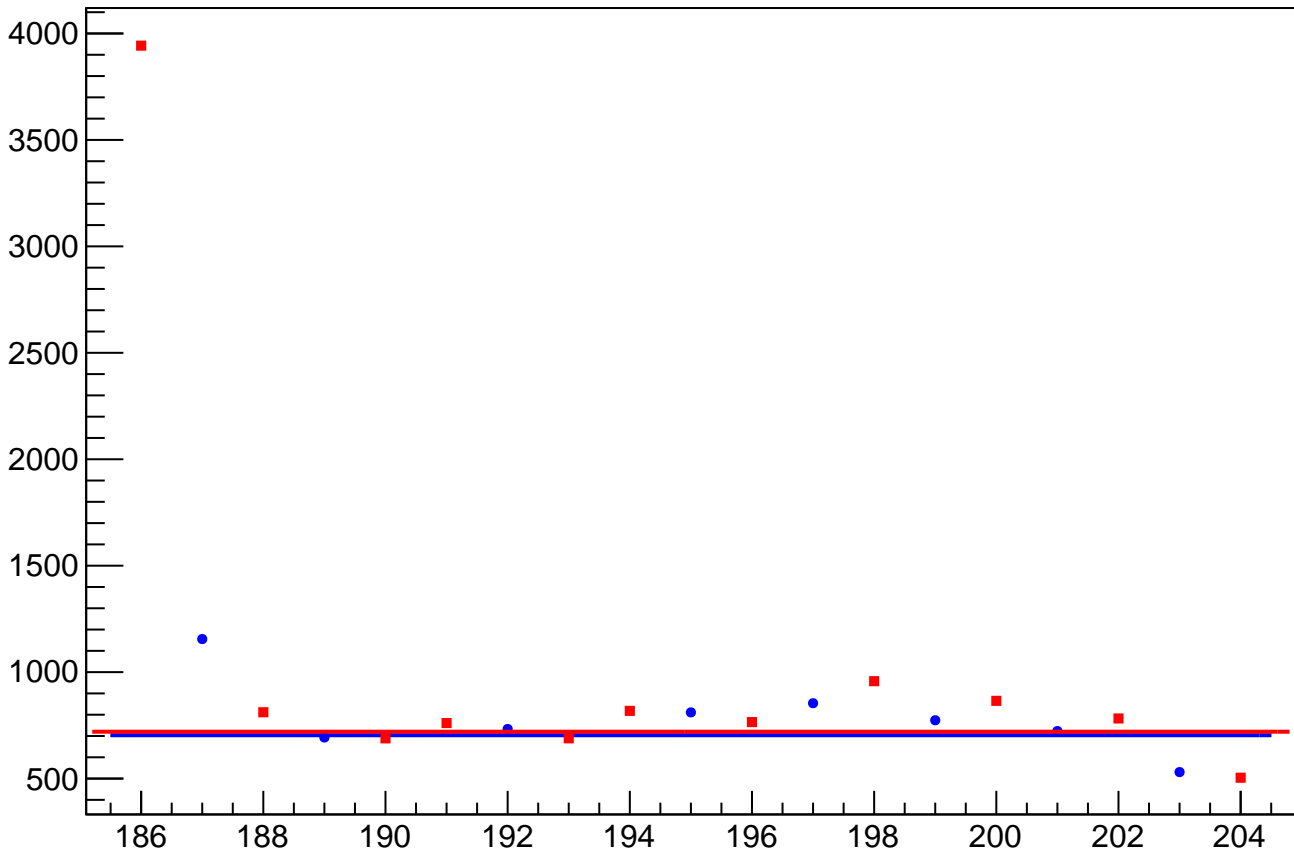
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -119.098+/-213.809  $\chi^2$ /NDF: 19.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_13\_57\_dd\_correction\_rms vs Slug



Right In: 703.558 $\pm$ 0.224  $\chi^2$ /NDF: 310460.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 720.127 $\pm$ 0.205  $\chi^2$ /NDF: 980159.7/10

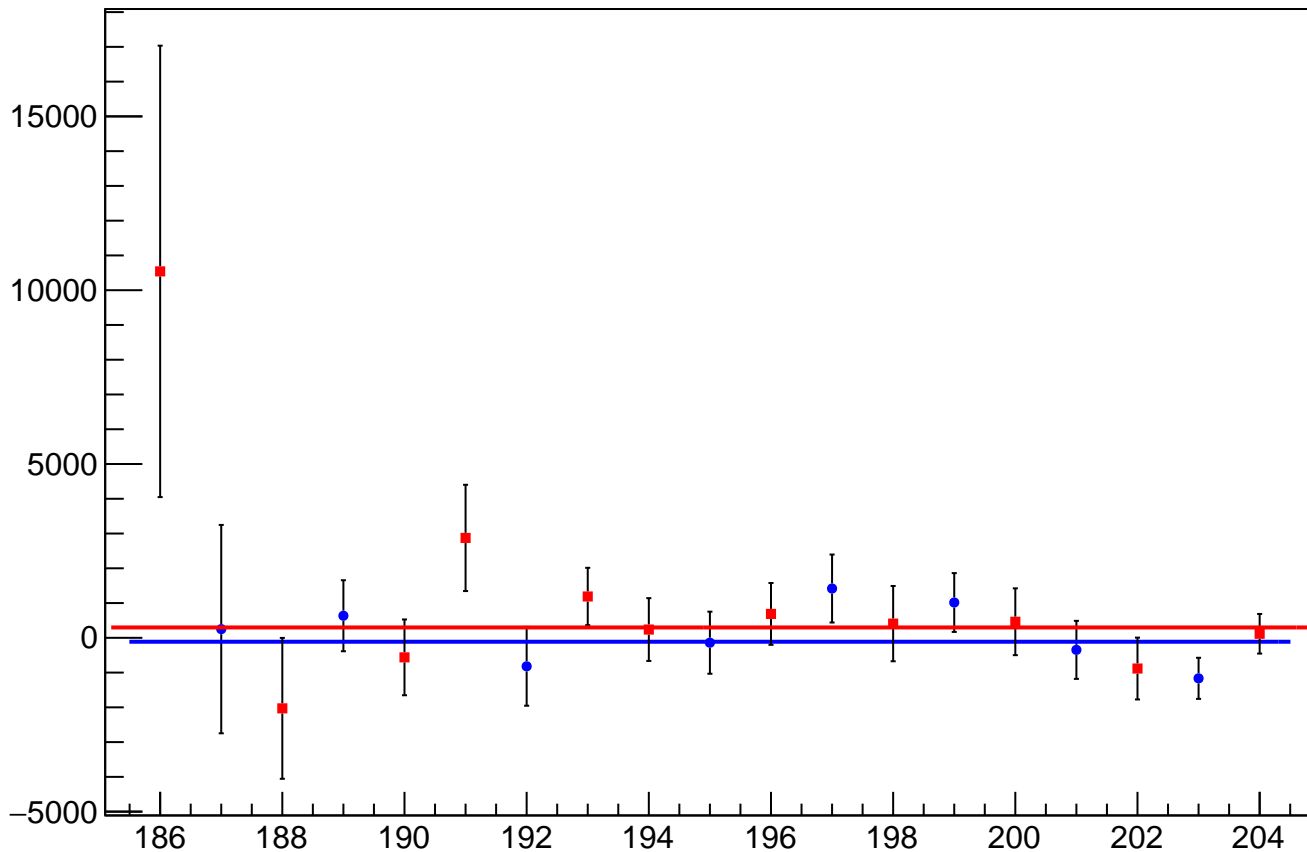
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 712.600 $\pm$ 0.151  $\chi^2$ /NDF: 1293597.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_13\_57\_dd\_mean vs Slug



Right In: -112.758+/-318.742  $\chi^2$ /NDF: 8.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 298.387+/-291.385  $\chi^2$ /NDF: 10.5/10

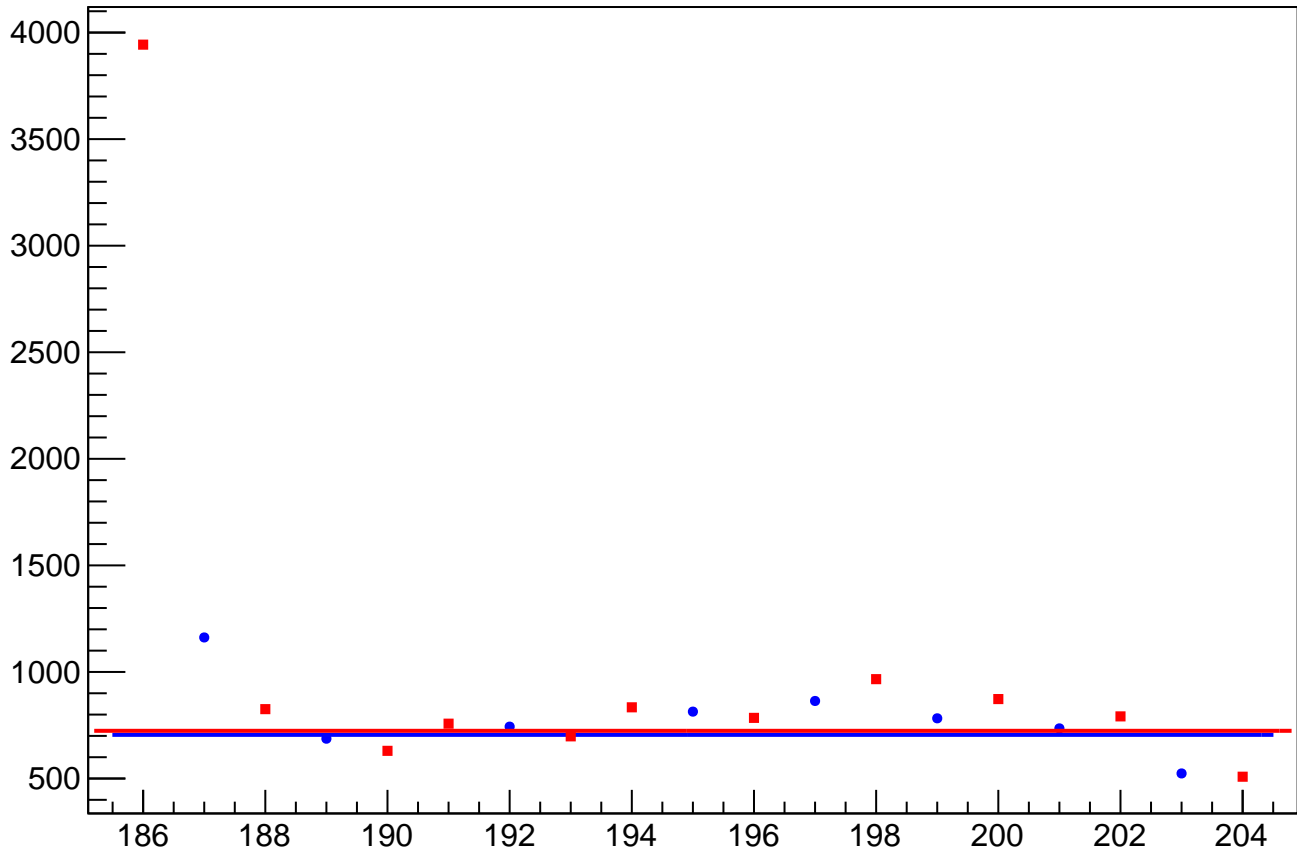
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 111.212+/-215.063  $\chi^2$ /NDF: 19.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_13\_57\_dd\_rms vs Slug



Right In: 704.892 $\pm$ 0.225  $\chi^2$ /NDF: 339306.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 723.862 $\pm$ 0.206  $\chi^2$ /NDF: 999092.9/10

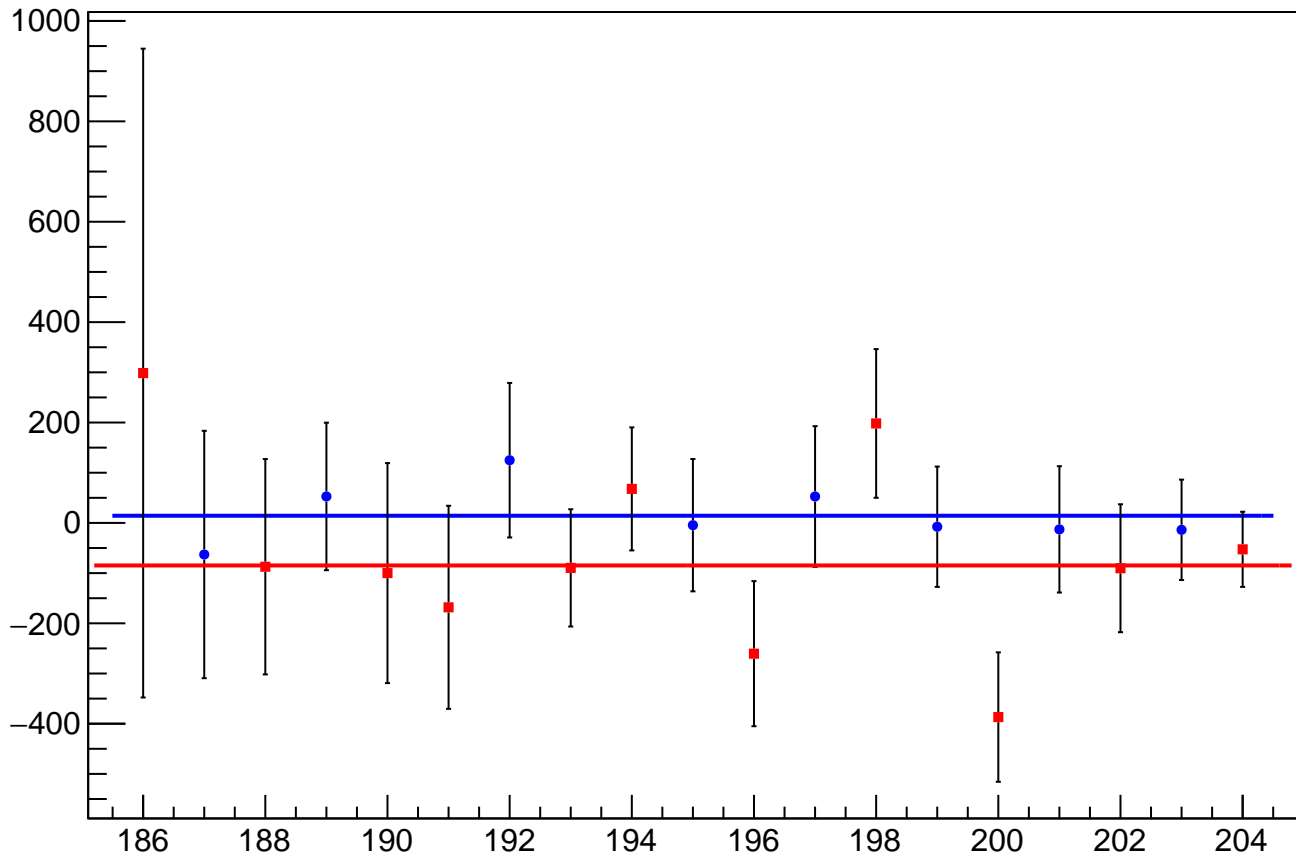
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 715.226 $\pm$ 0.152  $\chi^2$ /NDF: 1342258.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_37\_dd\_mean vs Slug



Right In: 14.312+/-47.340  $\chi^2/\text{NDF}$ : 0.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -84.736+/-40.725  $\chi^2/\text{NDF}$ : 12.9/10

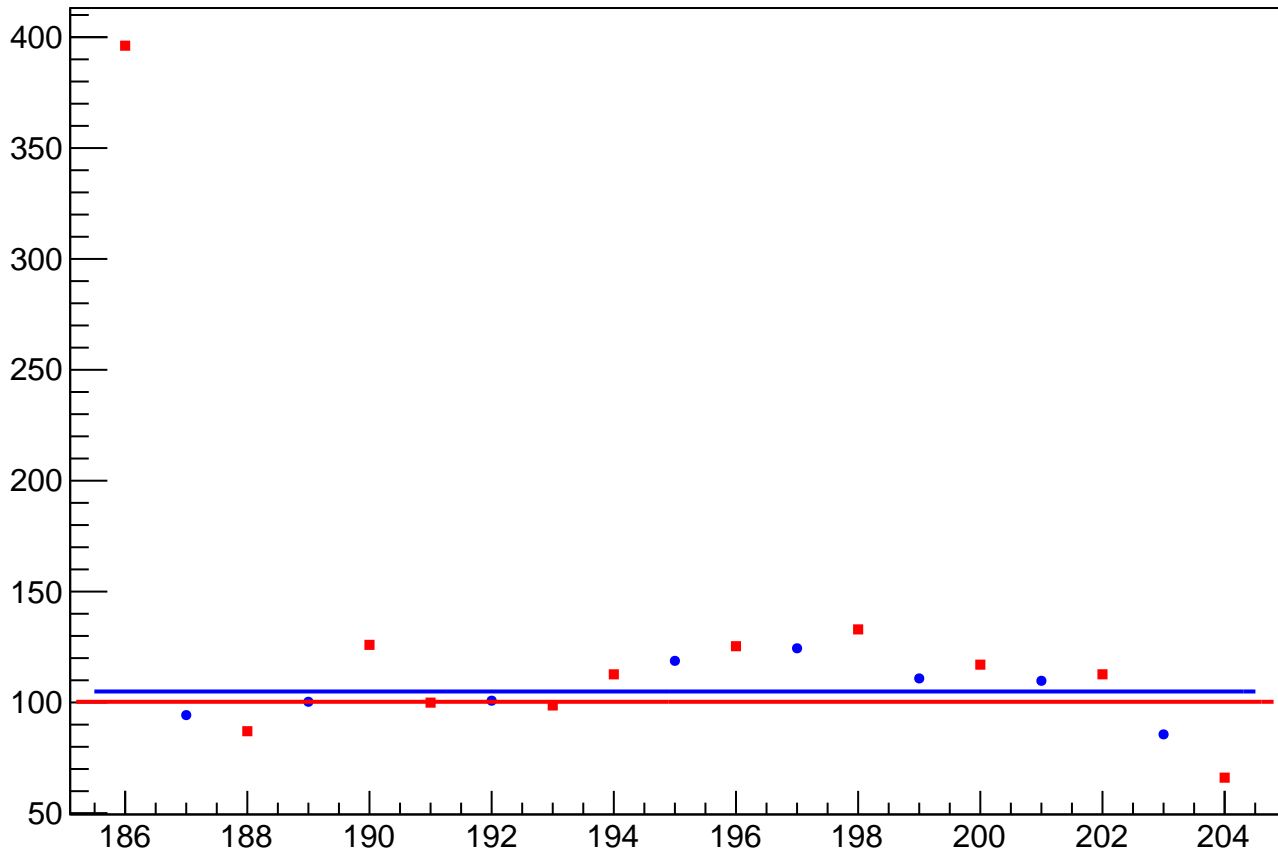
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -42.611+/-30.873  $\chi^2/\text{NDF}$ : 16.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_37\_dd\_rms vs Slug



Right In: 104.954 $\pm$ 0.033  $\chi^2$ /NDF: 150335.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 100.305 $\pm$ 0.029  $\chi^2$ /NDF: 1103035.9/10

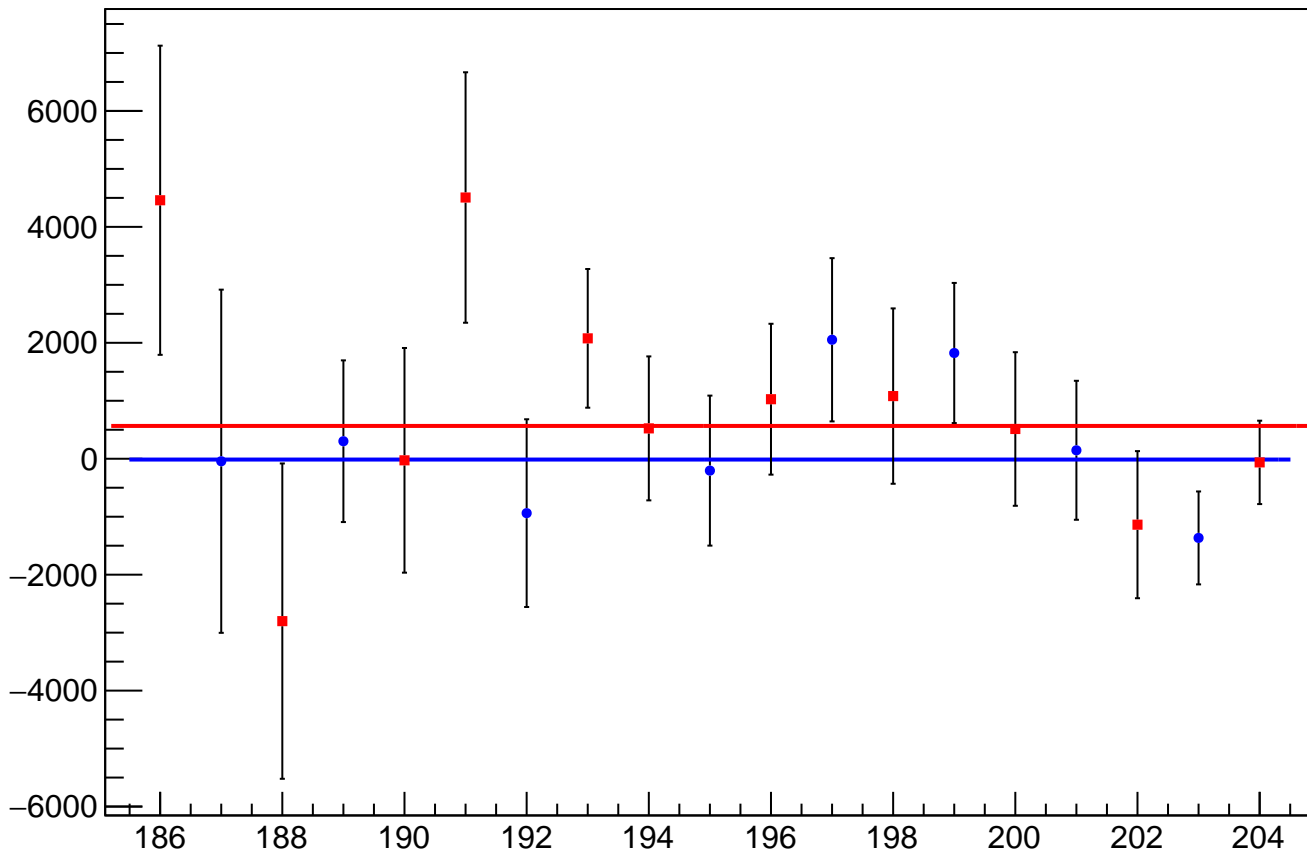
All: 102.282 $\pm$ 0.022  $\chi^2$ /NDF: 1264455.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0



# asym\_sam\_15\_37\_dd\_correction\_mean vs Slug



Right In:  $-13.939 \pm 445.084$   $\chi^2/\text{NDF}: 7.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $565.994 \pm 399.836$   $\chi^2/\text{NDF}: 11.5/10$

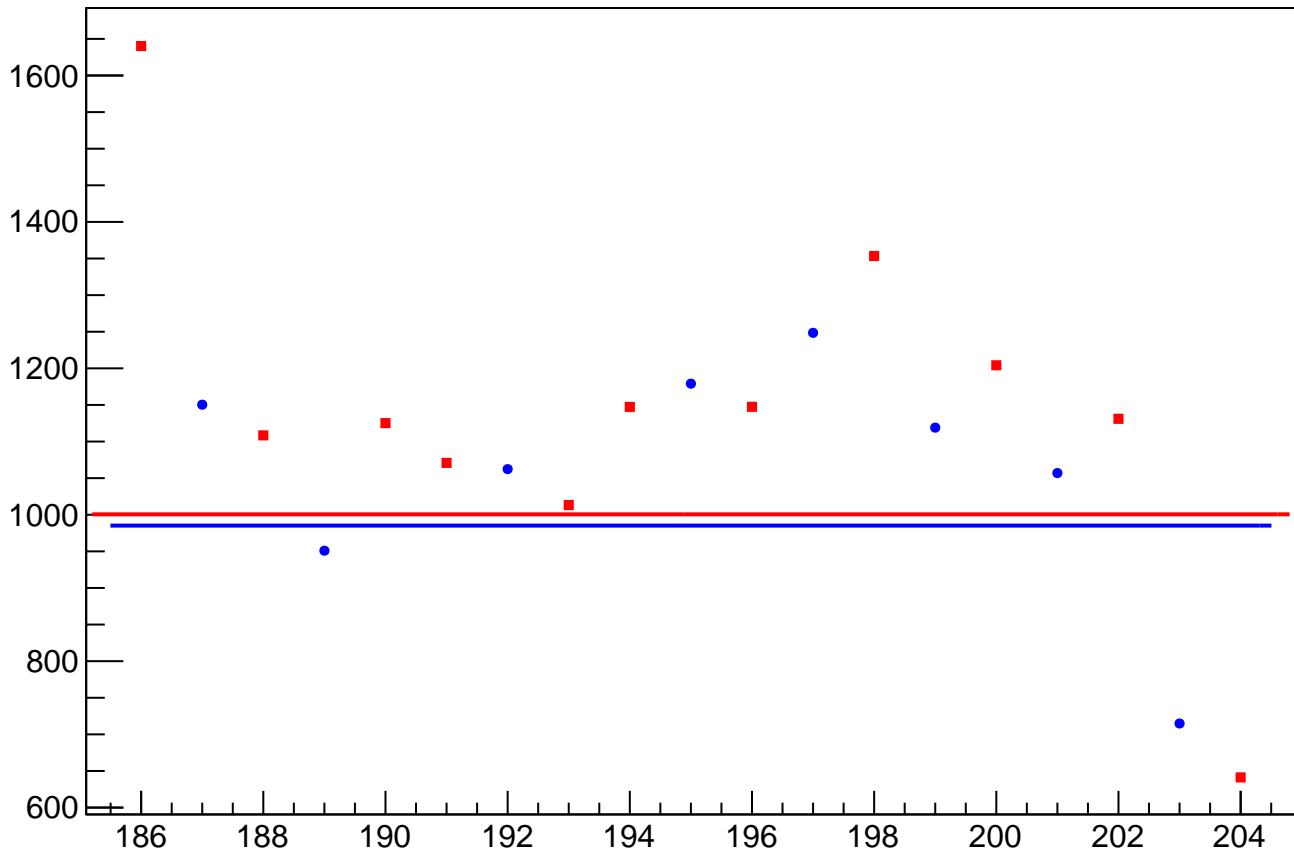
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $306.996 \pm 297.442$   $\chi^2/\text{NDF}: 20.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam\_15\_37\_dd\_correction\_rms vs Slug



Right In: 985.193+/-0.315  $\chi^2/\text{NDF}$ : 385953.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

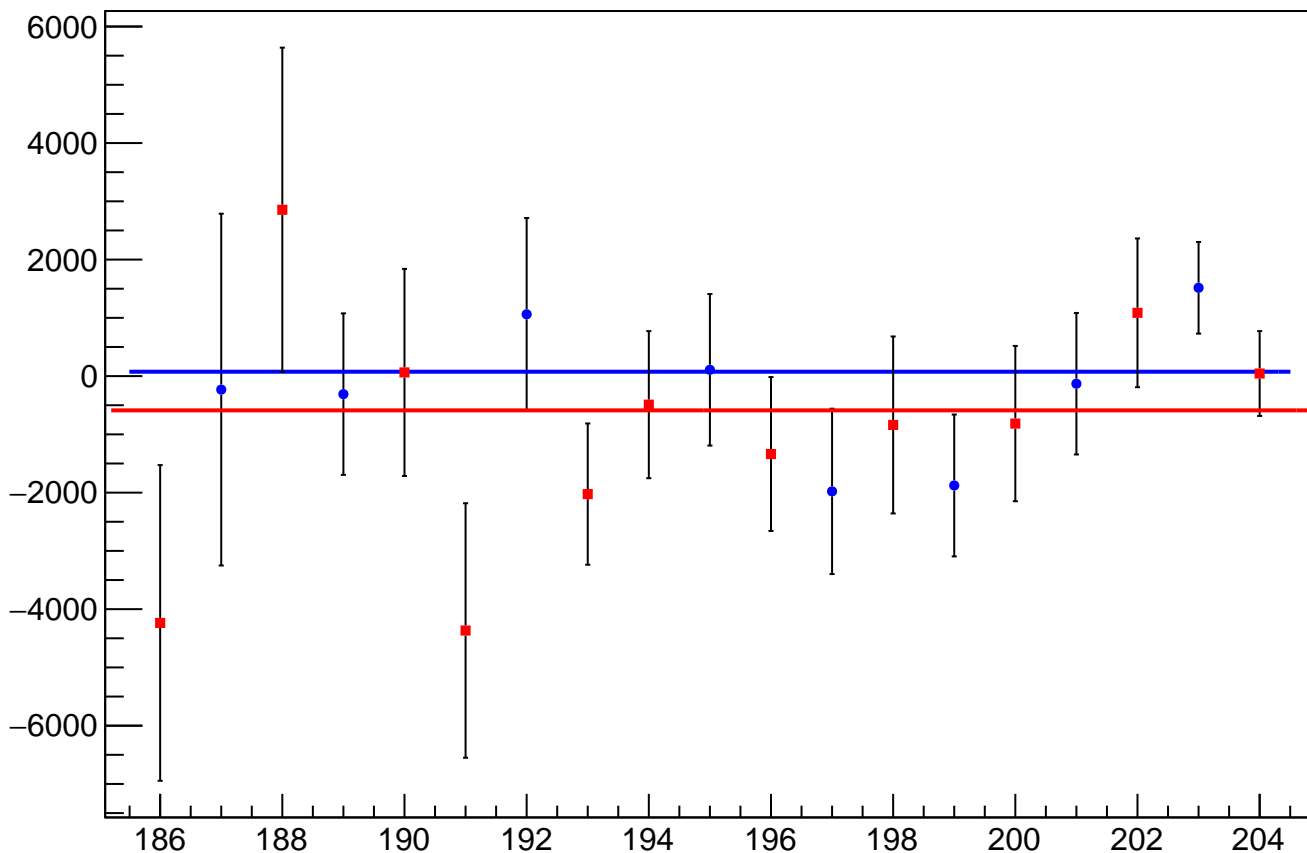
Right Out: 1000.575+/-0.283  $\chi^2/\text{NDF}$ : 858797.7/10

All: 993.705+/-0.210  $\chi^2/\text{NDF}$ : 1246073.2/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_37\_dd\_mean vs Slug



Right In: 75.359+/-444.793  $\chi^2$ /NDF: 8.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -587.975+/-402.605  $\chi^2$ /NDF: 10.7/10

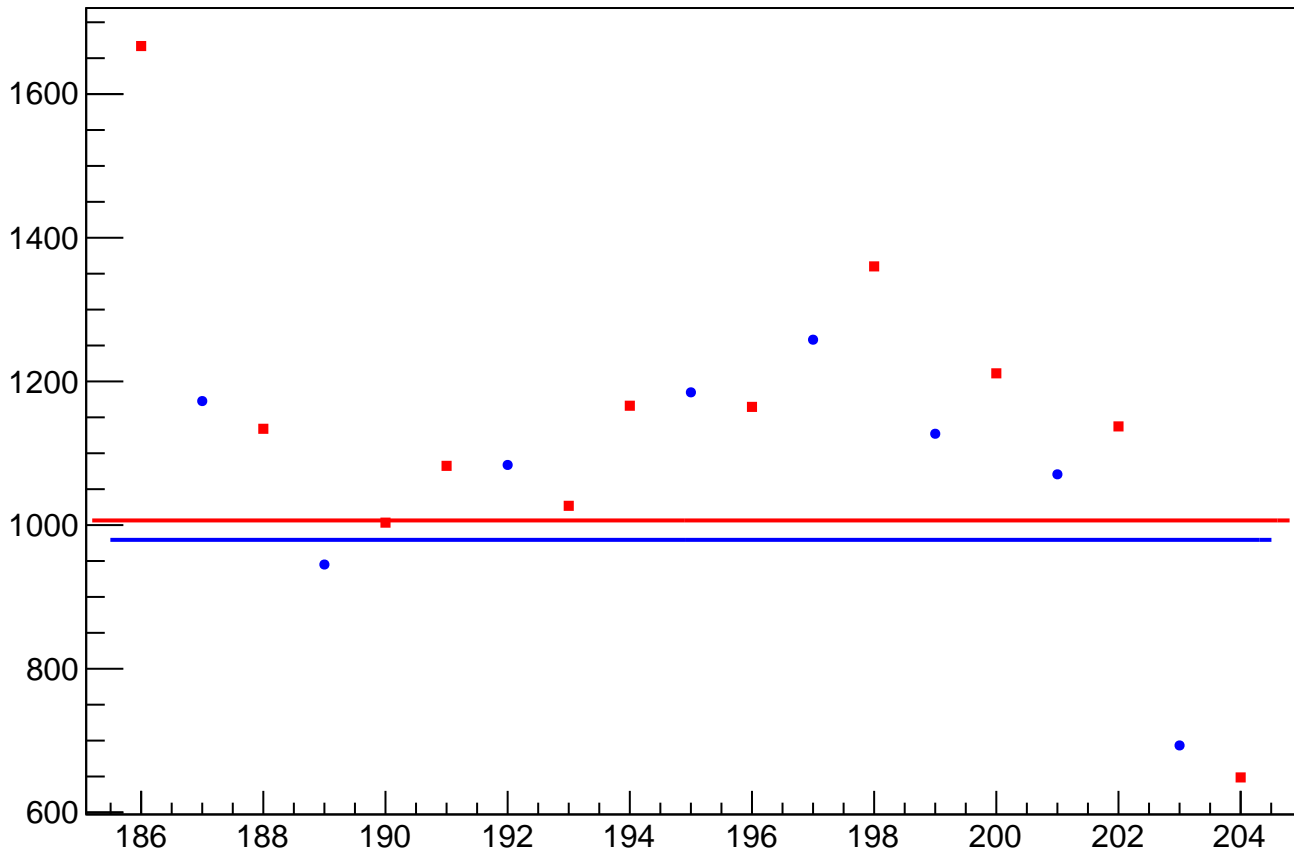
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -289.251+/-298.488  $\chi^2$ /NDF: 20.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_37\_dd\_rms vs Slug



Right In: 979.440 $\pm$ 0.315  $\chi^2$ /NDF: 450040.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1006.476 $\pm$ 0.285  $\chi^2$ /NDF: 846341.7/10

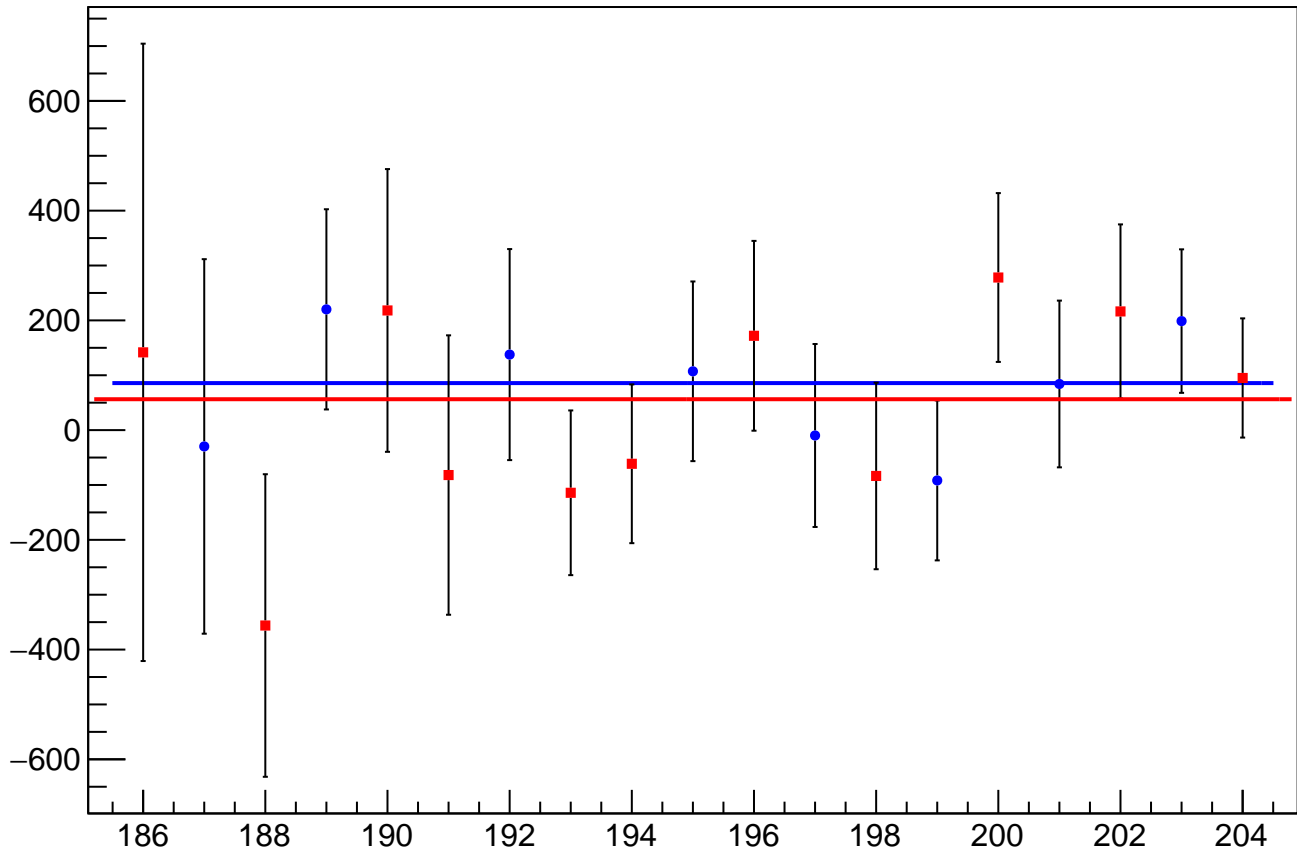
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 994.300 $\pm$ 0.211  $\chi^2$ /NDF: 1300443.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_24\_68\_dd\_mean vs Slug



Right In: 85.716 $\pm$ 58.947  $\chi^2$ /NDF: 3.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 56.299 $\pm$ 51.728  $\chi^2$ /NDF: 9.2/10

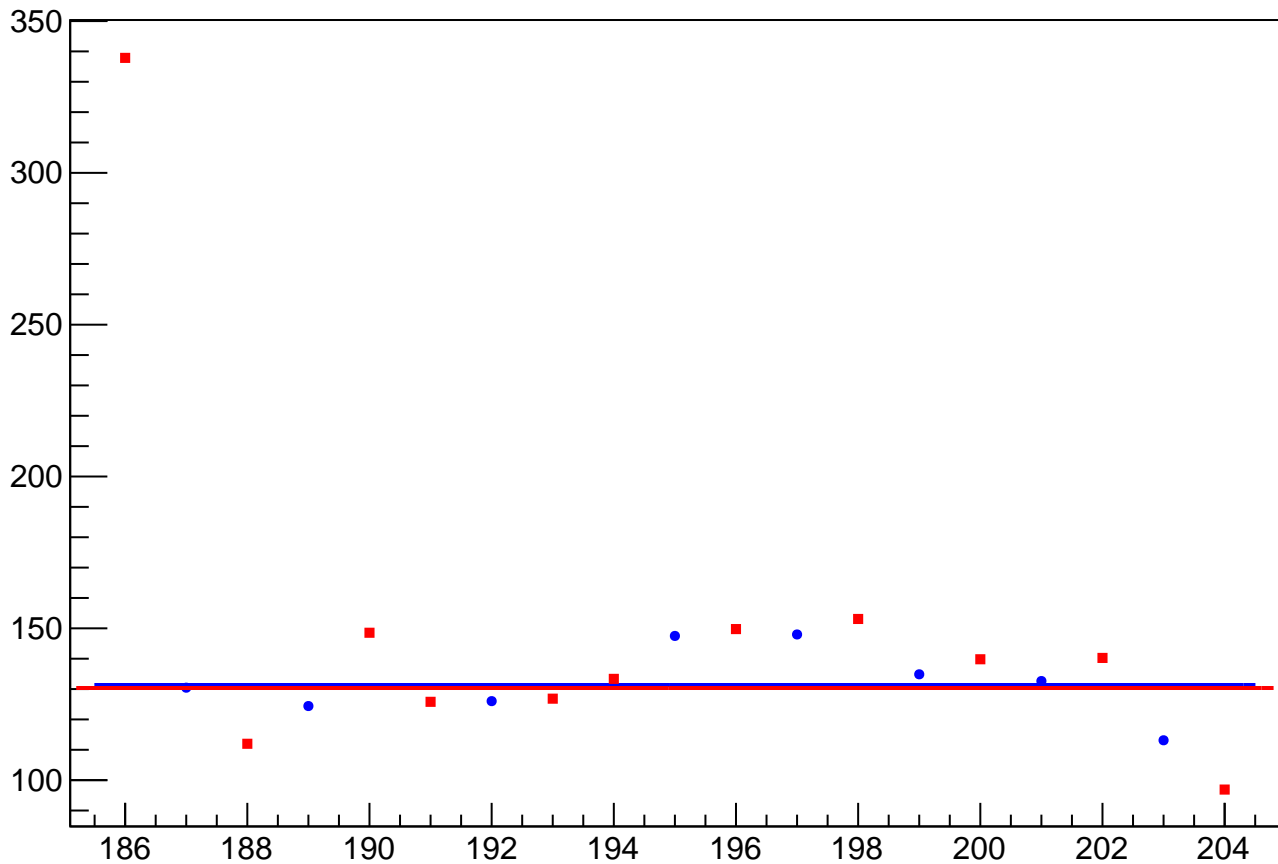
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 69.097 $\pm$ 38.880  $\chi^2$ /NDF: 12.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_24\_68\_dd\_rms vs Slug



Right In: 131.338 $\pm$ 0.042  $\chi^2$ /NDF: 83908.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 130.349 $\pm$ 0.037  $\chi^2$ /NDF: 559464.6/10

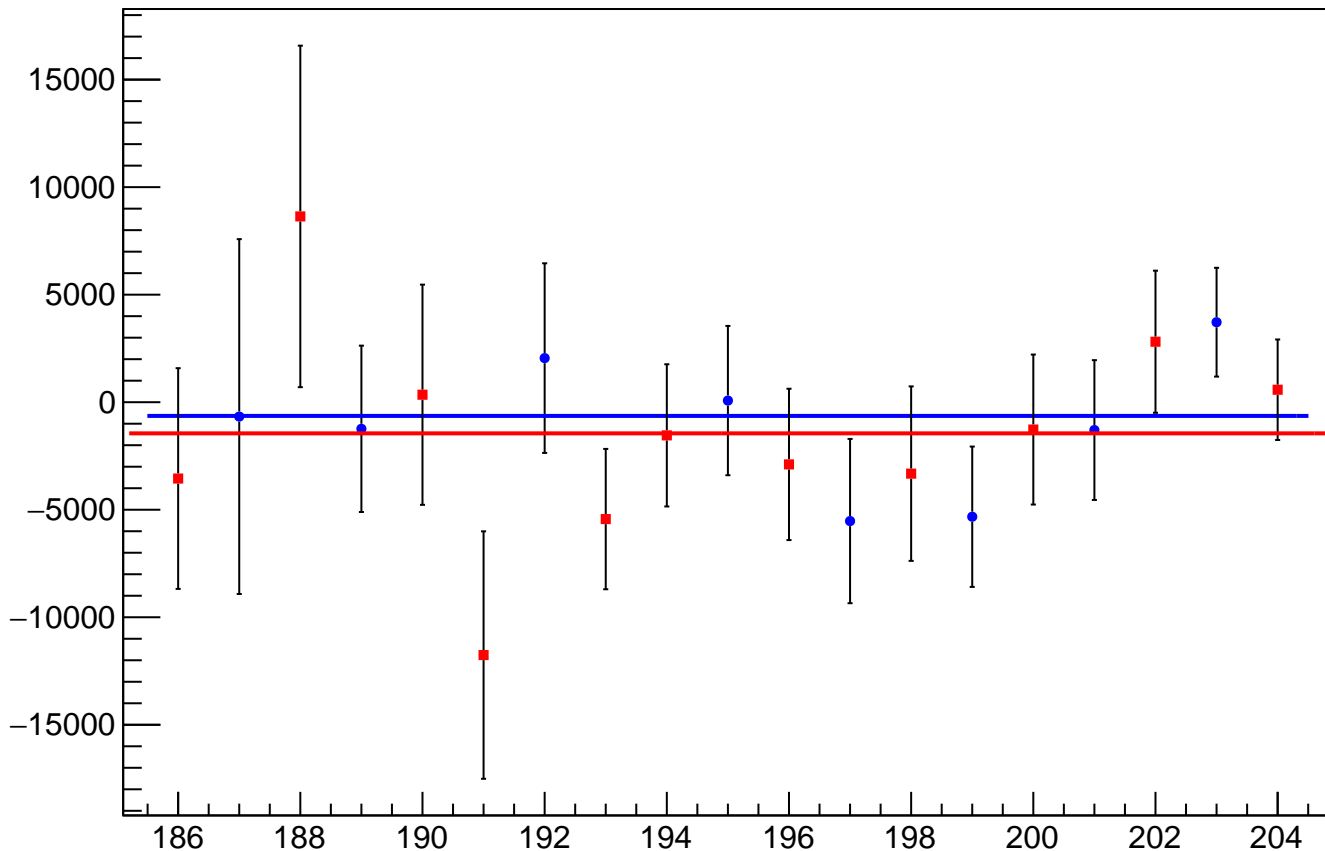
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 130.780 $\pm$ 0.027  $\chi^2$ /NDF: 643690.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_24\_68\_dd\_correction\_mean vs Slug



Right In: -637.544+/-1260.499  $\chi^2$ /NDF: 7.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1448.645+/-1113.835  $\chi^2$ /NDF: 9.4/10

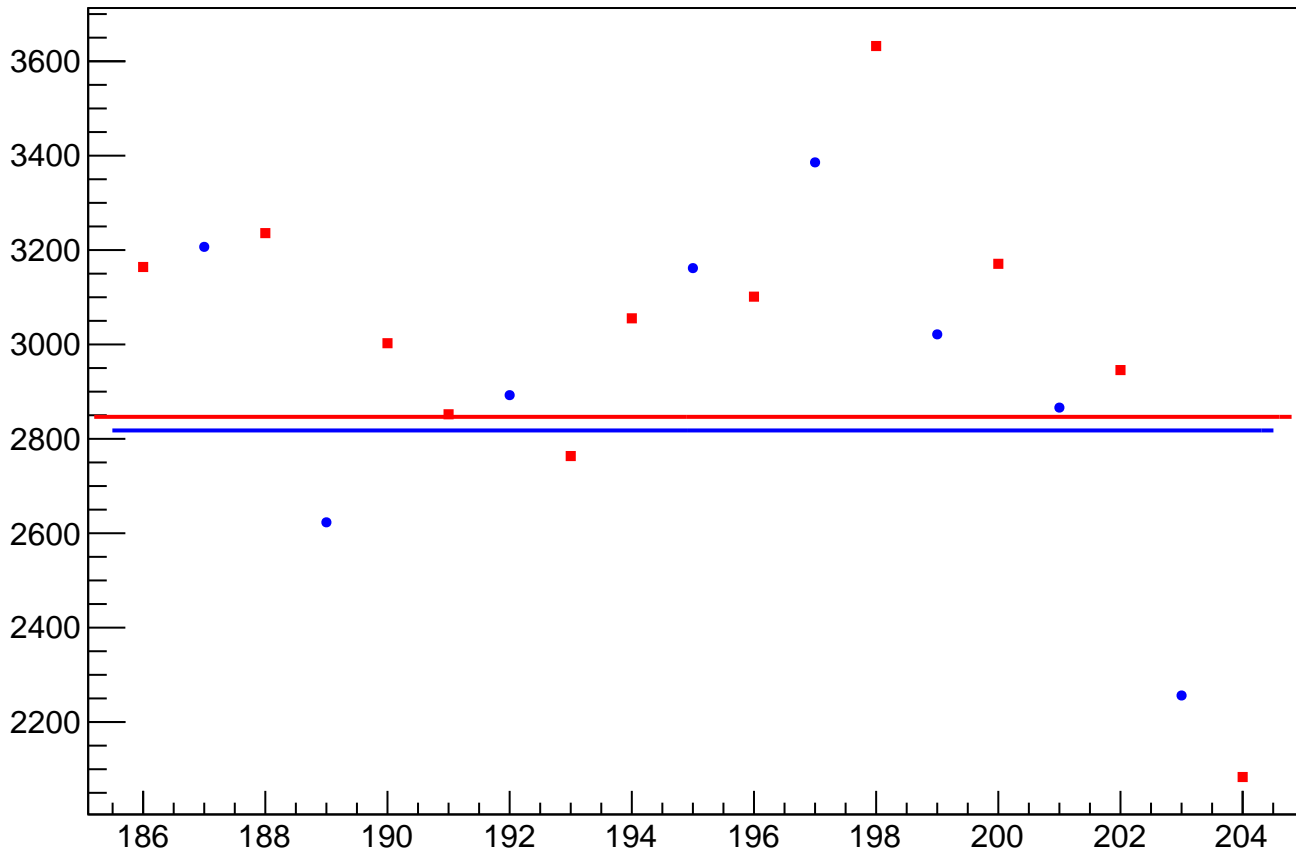
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -1093.006+/-834.660  $\chi^2$ /NDF: 16.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_24\_68\_dd\_correction\_rms vs Slug



Right In: 2817.776+/-0.891  $\chi^2$ /NDF: 180733.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2846.616+/-0.788  $\chi^2$ /NDF: 341382.2/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

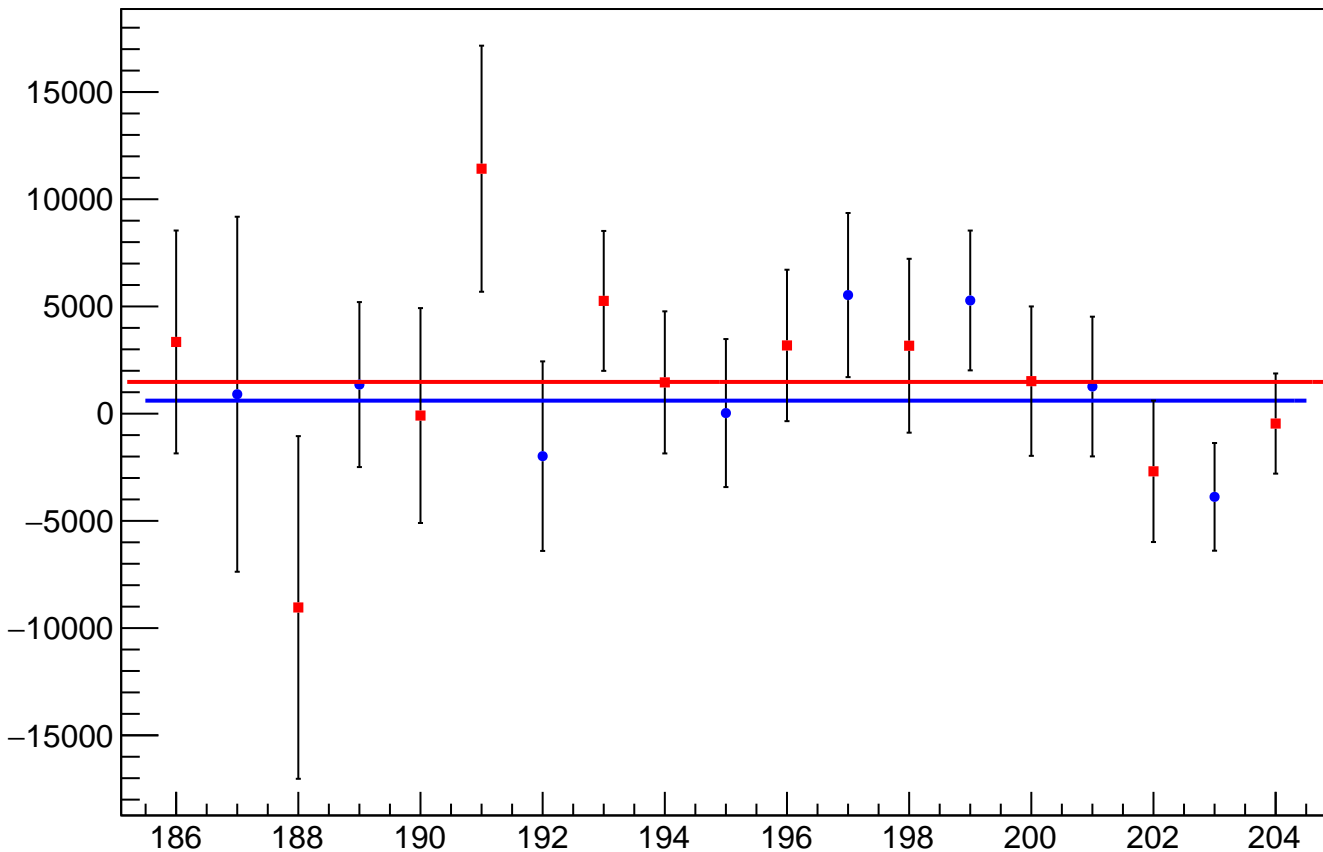
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 2833.971+/-0.590  $\chi^2$ /NDF: 522704.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_24\_68\_dd\_mean vs Slug



Right In: 607.197+/-1257.469  $\chi^2$ /NDF: 7.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1480.259+/-1113.498  $\chi^2$ /NDF: 9.0/10

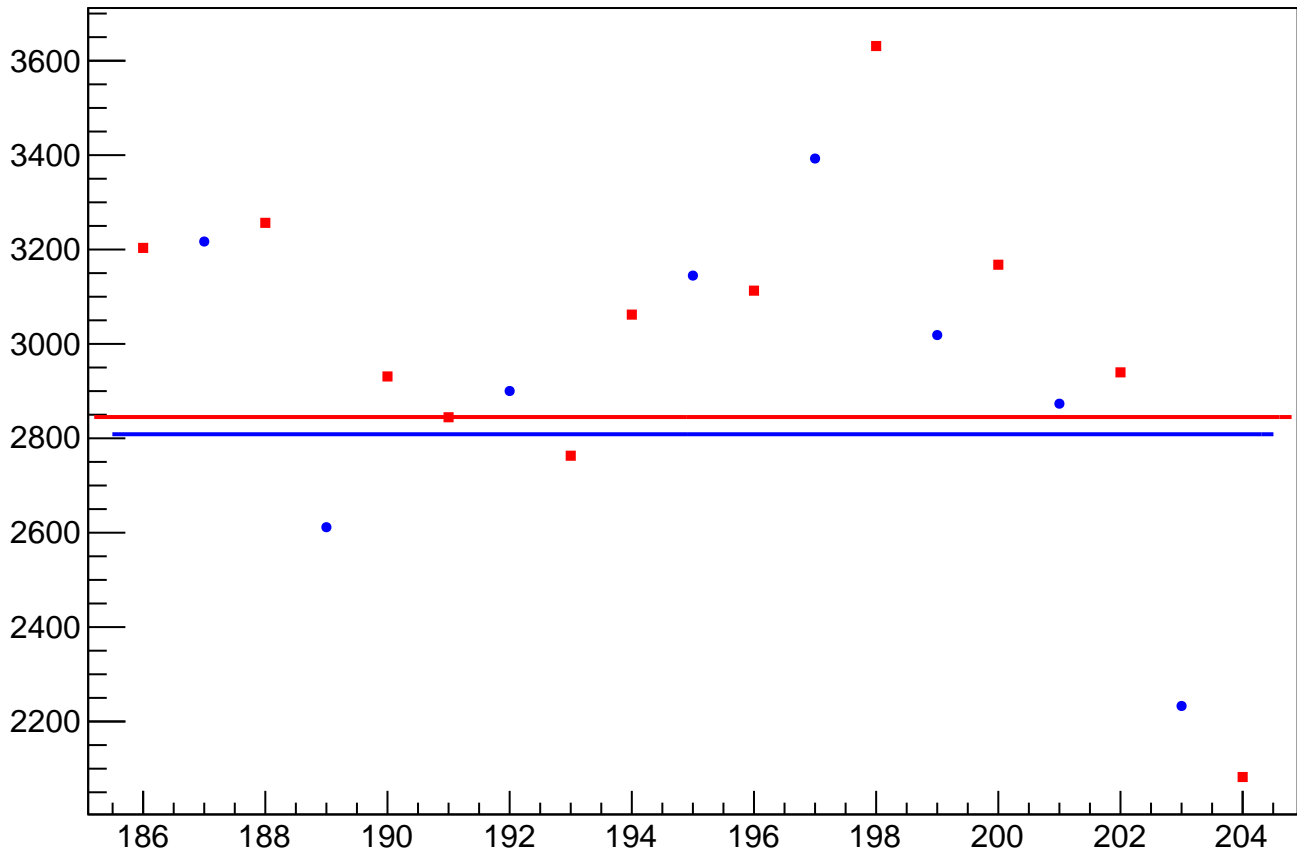
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1096.547+/-833.637  $\chi^2$ /NDF: 16.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_24\_68\_dd\_rms vs Slug



Right In: 2808.602 $\pm$ 0.889  $\chi^2$ /NDF: 190780.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2845.076 $\pm$ 0.787  $\chi^2$ /NDF: 343976.3/10

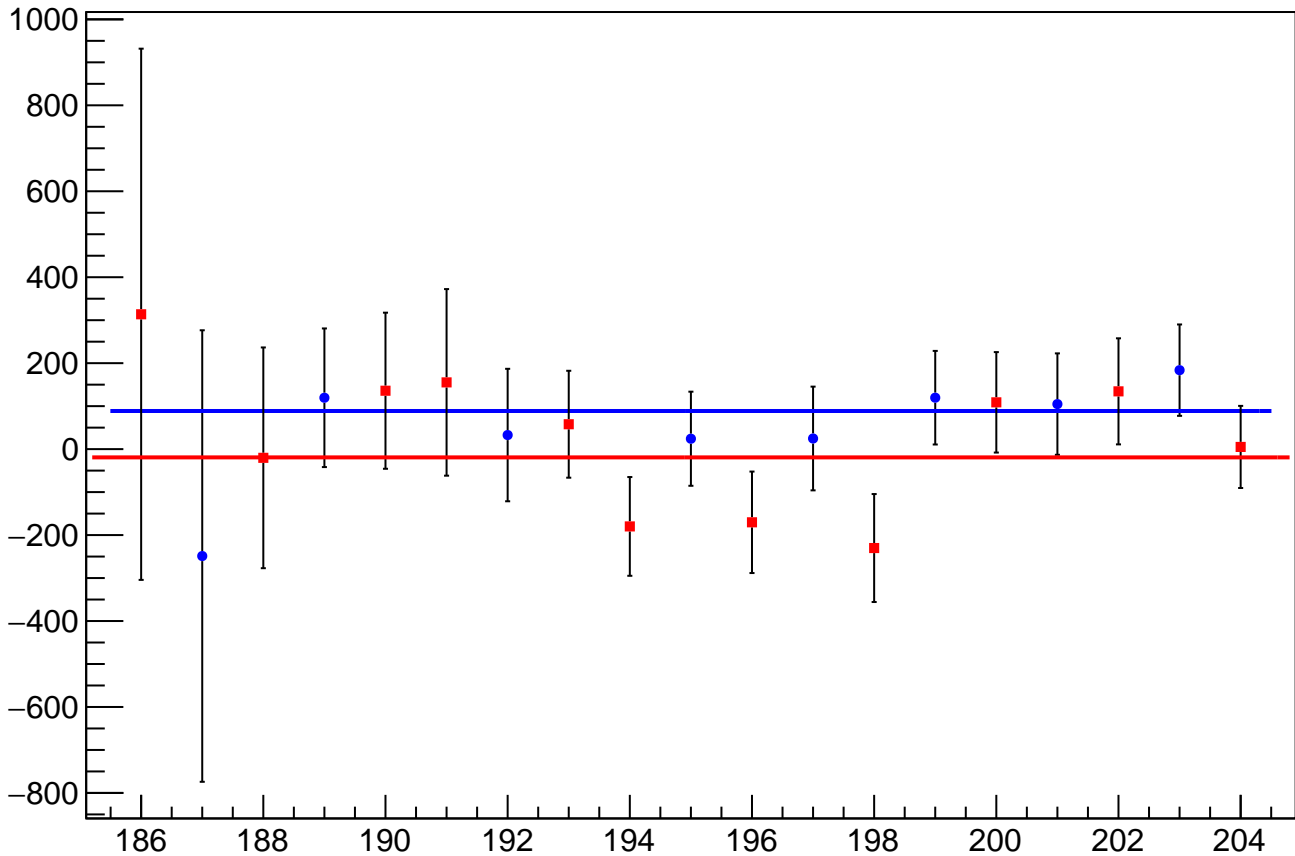
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2829.046 $\pm$ 0.589  $\chi^2$ /NDF: 535699.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_48\_dd\_mean vs Slug



Right In: 88.714+/-45.600  $\chi^2/\text{NDF}$ : 2.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -19.228+/-41.055  $\chi^2/\text{NDF}$ : 11.3/10

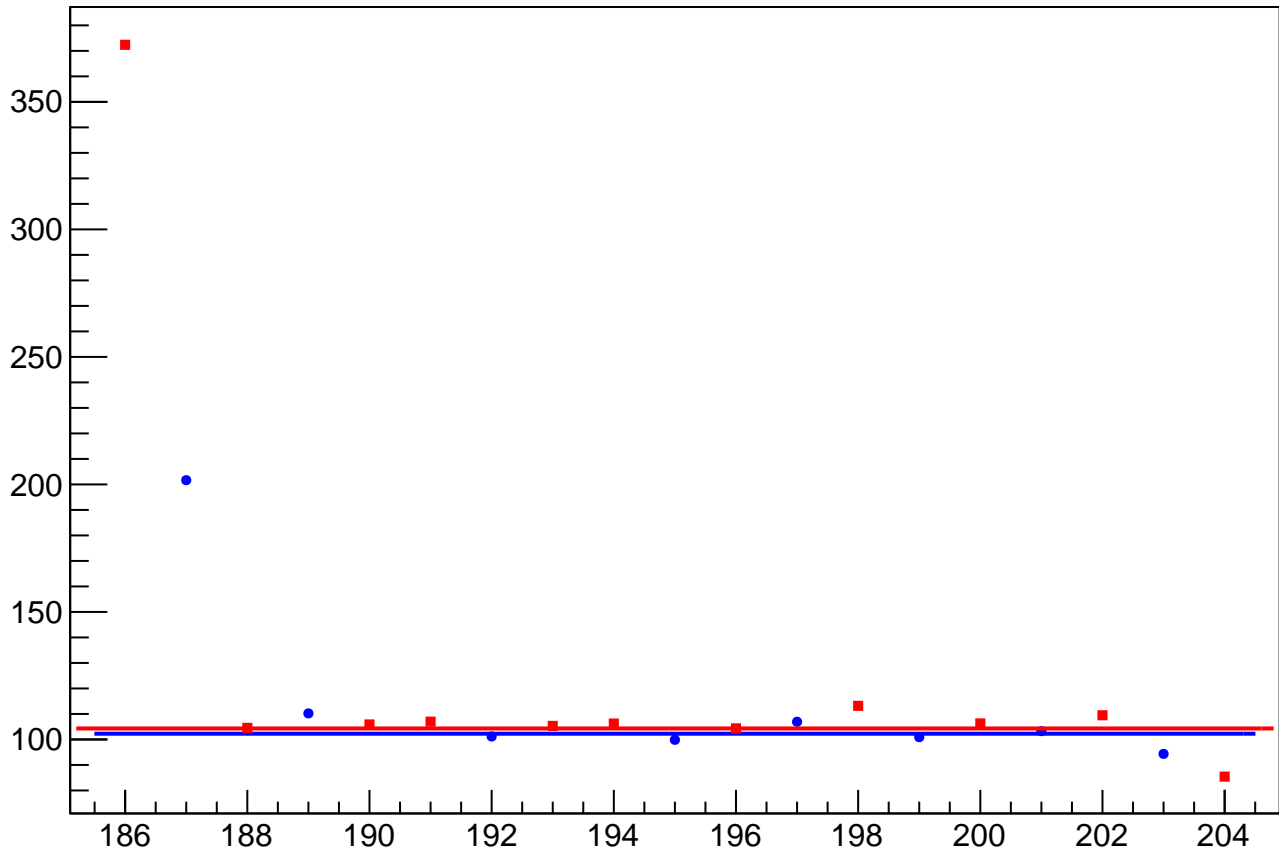
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 29.098+/-30.511  $\chi^2/\text{NDF}$ : 16.5/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_26\_48\_dd\_rms vs Slug



Right In: 102.255+/-0.032  $\chi^2/\text{NDF}$ : 92081.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 104.312+/-0.029  $\chi^2/\text{NDF}$ : 469646.9/10

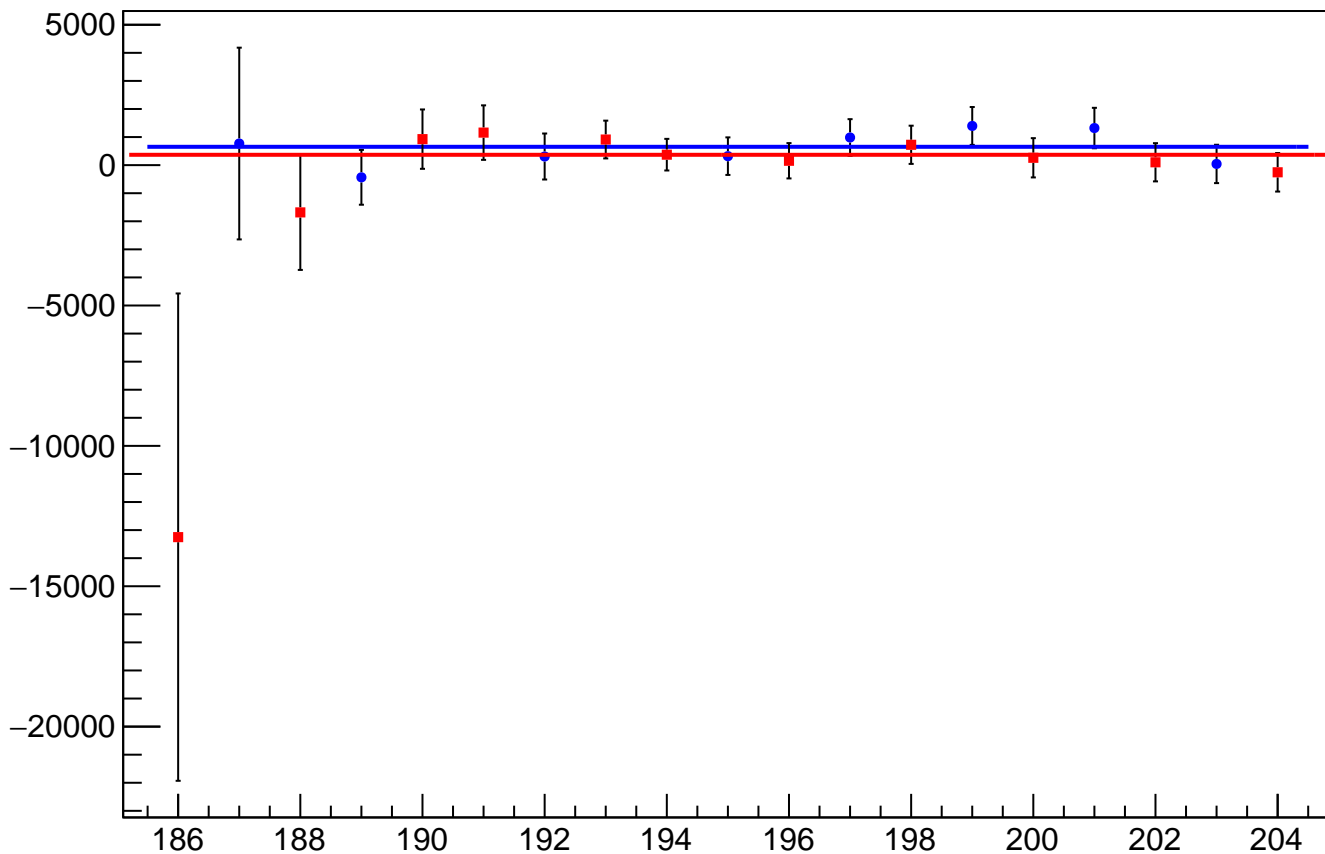
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 103.391+/-0.022  $\chi^2/\text{NDF}$ : 563977.4/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_48\_dd\_correction\_mean vs Slug



Right In: 653.085 $\pm$ 272.433  $\chi^2$ /NDF: 4.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 368.297 $\pm$ 231.992  $\chi^2$ /NDF: 6.4/10

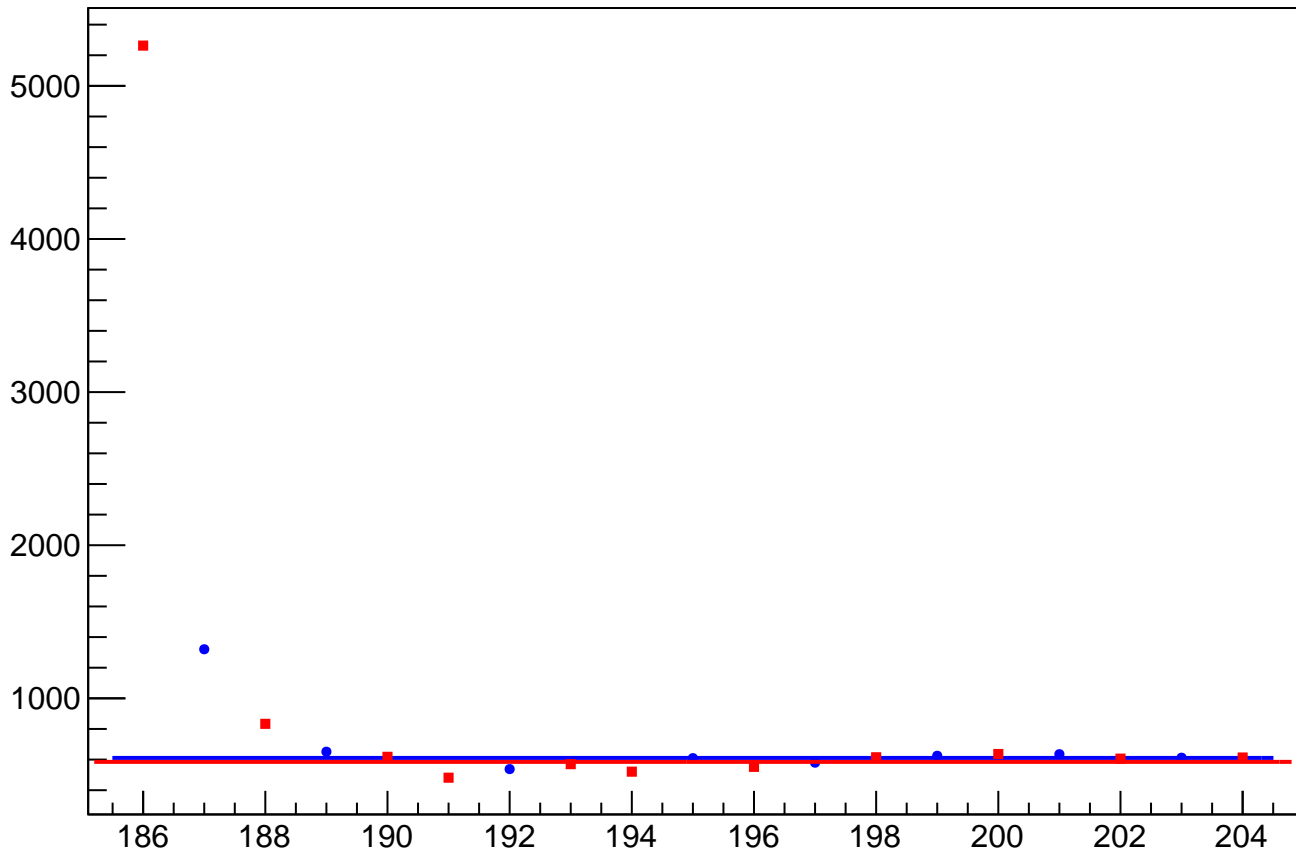
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 488.005 $\pm$ 176.628  $\chi^2$ /NDF: 11.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_48\_dd\_correction\_rms vs Slug



Right In: 610.792 $\pm$ 0.193  $\chi^2$ /NDF: 113403.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

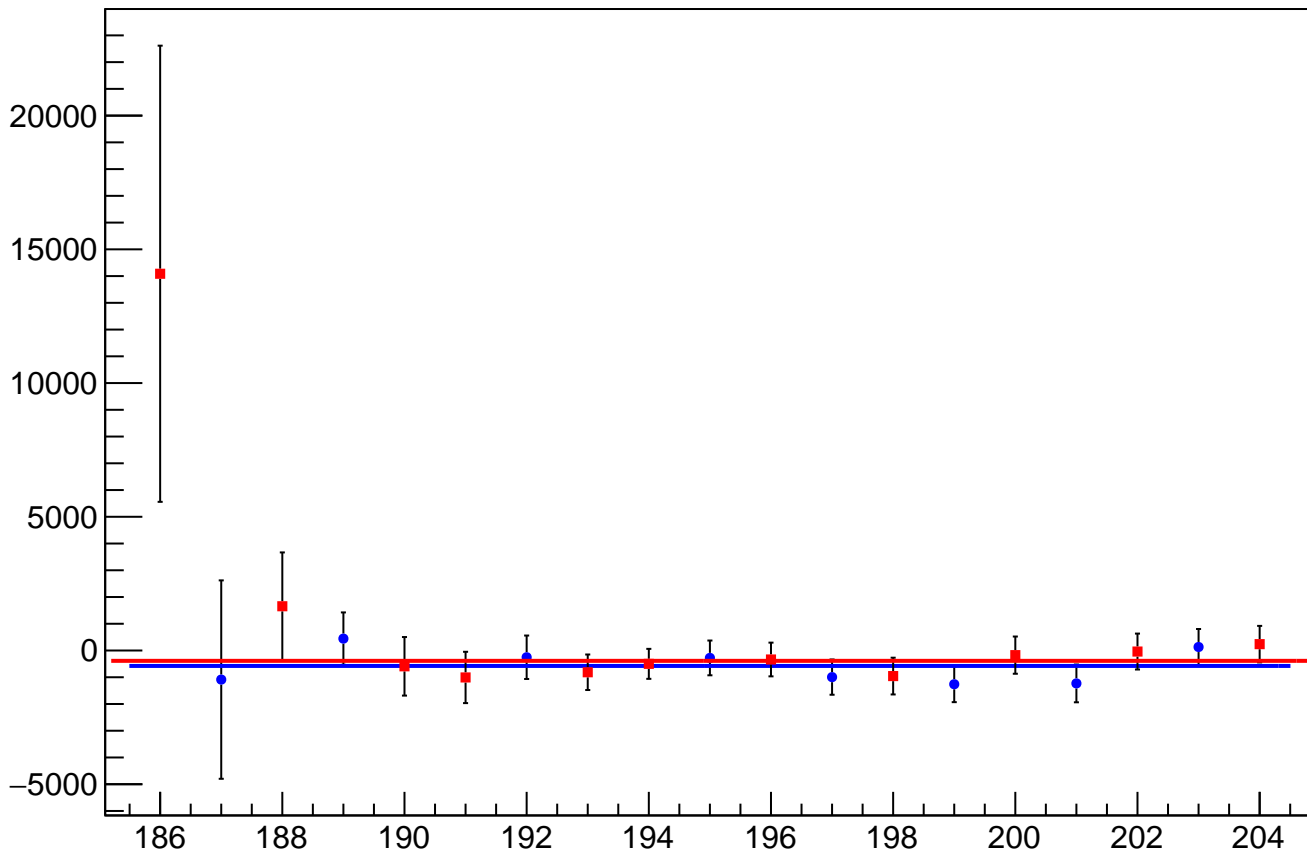
Right Out: 585.036 $\pm$ 0.164  $\chi^2$ /NDF: 687237.3/10

All: 595.862 $\pm$ 0.125  $\chi^2$ /NDF: 811002.7/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_48\_dd\_mean vs Slug



Right In:  $-576.874 \pm 269.871$   $\chi^2/\text{NDF}$ : 4.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-386.519 \pm 231.273$   $\chi^2/\text{NDF}$ : 6.7/10

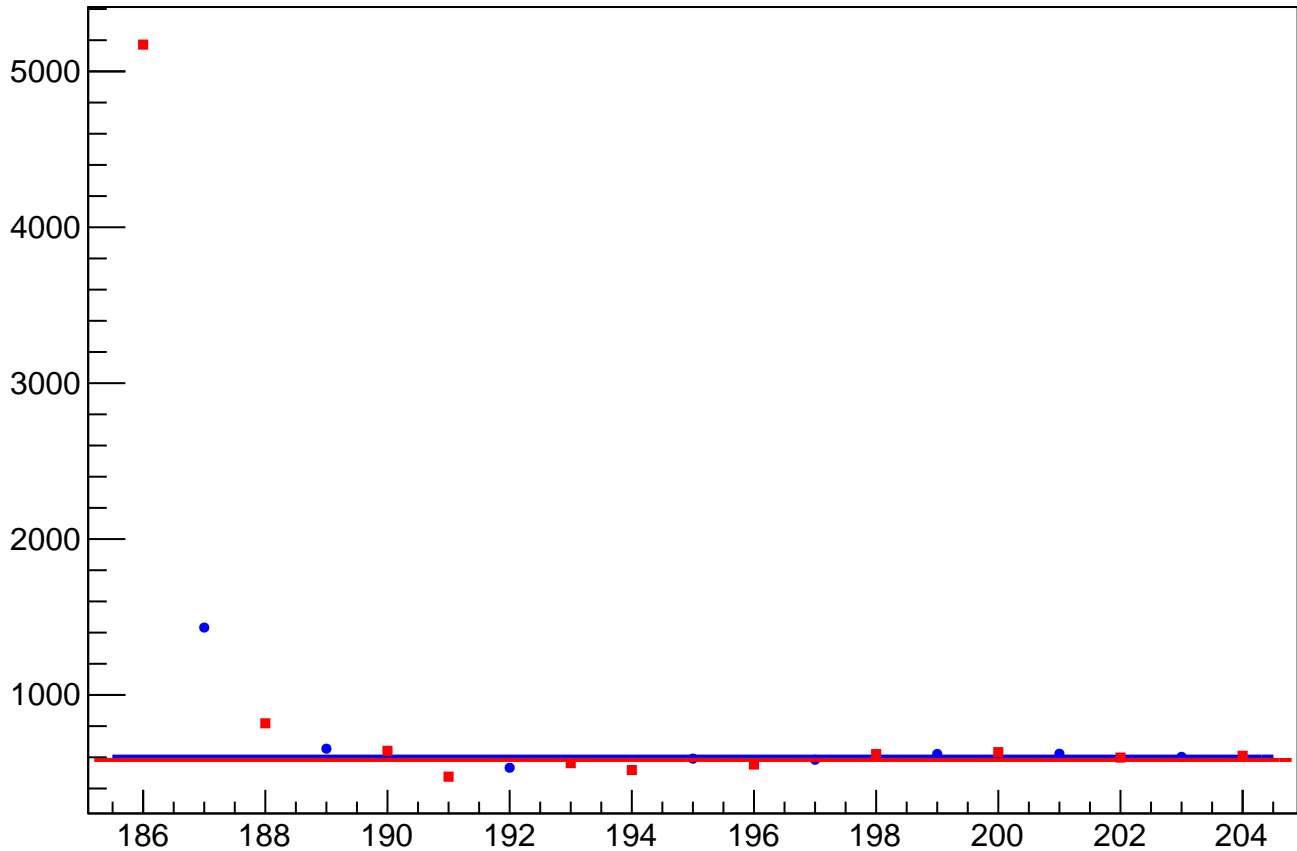
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-467.122 \pm 175.610$   $\chi^2/\text{NDF}$ : 11.9/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_48\_dd\_rms vs Slug



Right In: 604.474+/-0.191  $\chi^2/\text{NDF}$ : 125785.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 583.183+/-0.164  $\chi^2/\text{NDF}$ : 690371.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

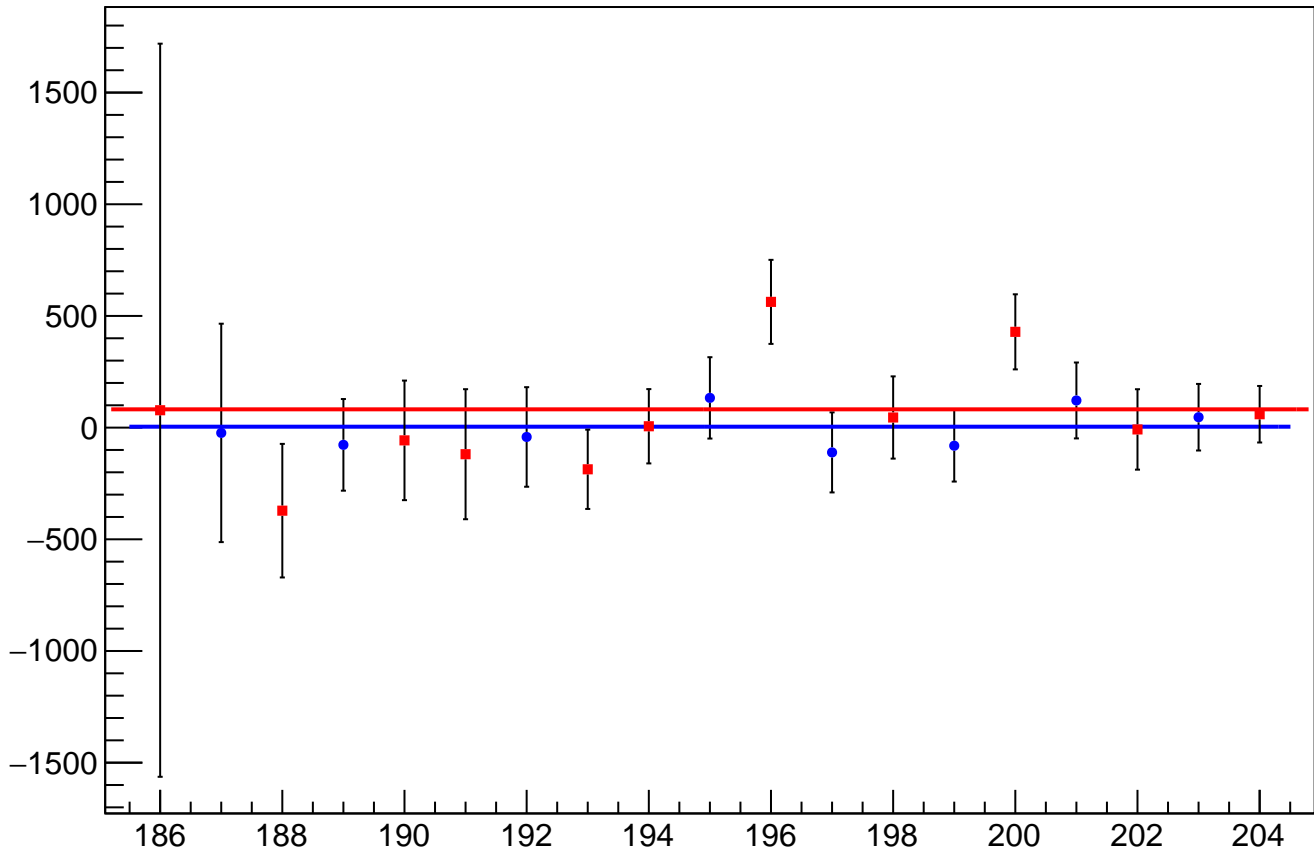
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 592.198+/-0.124  $\chi^2/\text{NDF}$ : 823333.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_1548\_avg\_mean vs Slug



Right In: 4.131+/-66.243  $\chi^2$ /NDF: 2.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 81.871+/-58.554  $\chi^2$ /NDF: 16.7/10

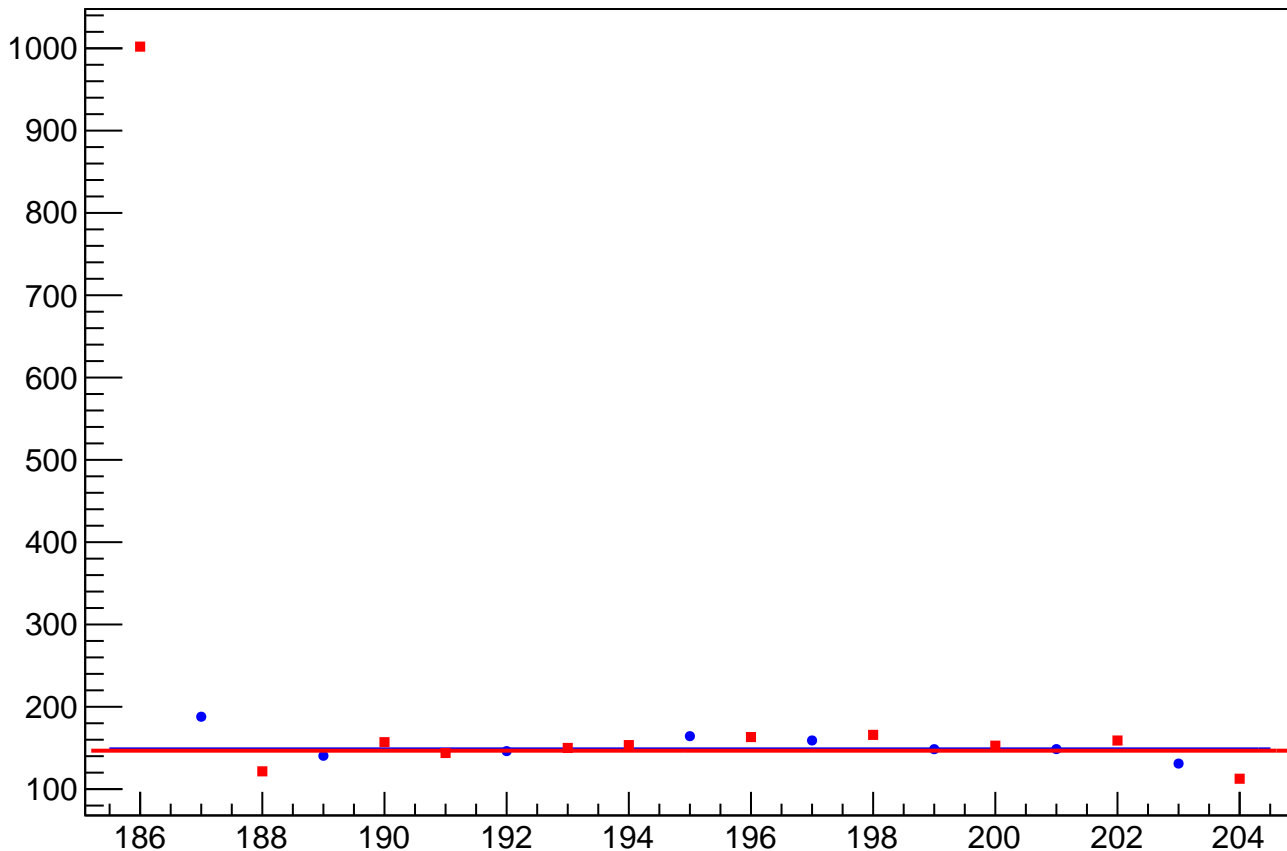
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 47.772+/-43.872  $\chi^2$ /NDF: 19.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1548\_avg\_rms vs Slug



Right In: 148.296 $\pm$ 0.047  $\chi^2$ /NDF: 65850.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 146.693 $\pm$ 0.041  $\chi^2$ /NDF: 758888.0/10

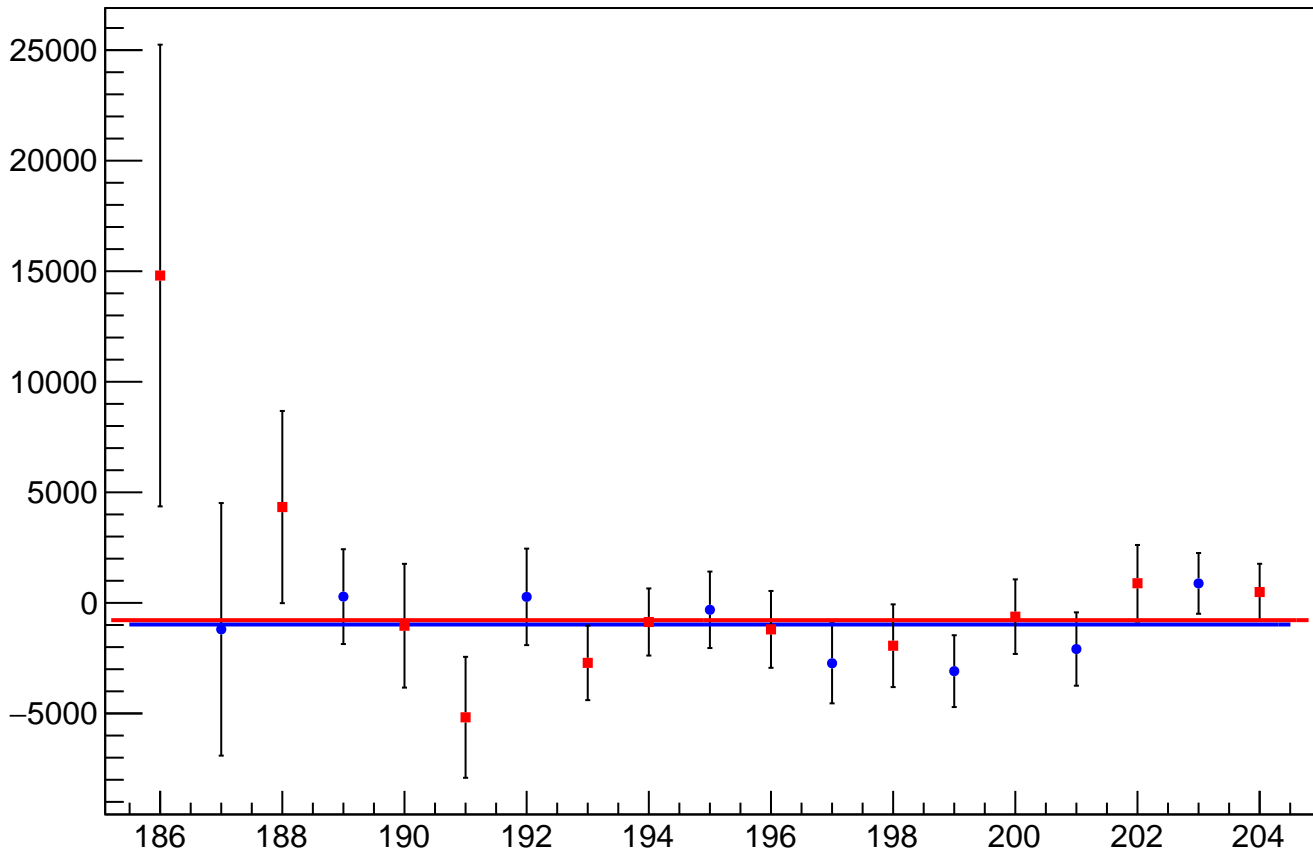
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 147.396 $\pm$ 0.031  $\chi^2$ /NDF: 825395.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1548\_avg\_correction\_mean vs Slug



Right In: -977.131+/-649.715  $\chi^2$ /NDF: 5.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -781.114+/-575.102  $\chi^2$ /NDF: 9.9/10

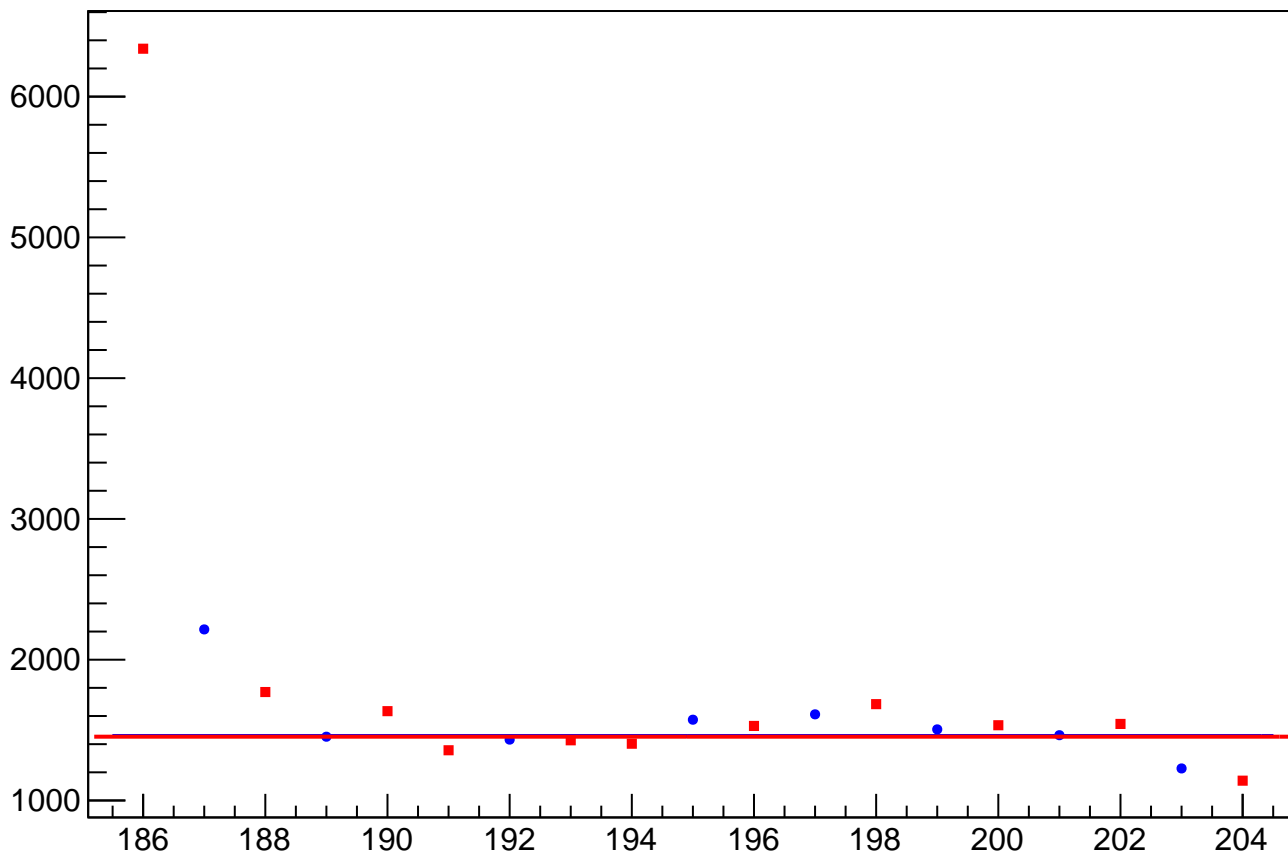
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -867.226+/-430.633  $\chi^2$ /NDF: 15.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1548\_avg\_correction\_rms vs Slug



Right In: 1458.049+/-0.459  $\chi^2/\text{NDF}$ : 116774.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1453.157+/-0.407  $\chi^2/\text{NDF}$ : 626387.0/10

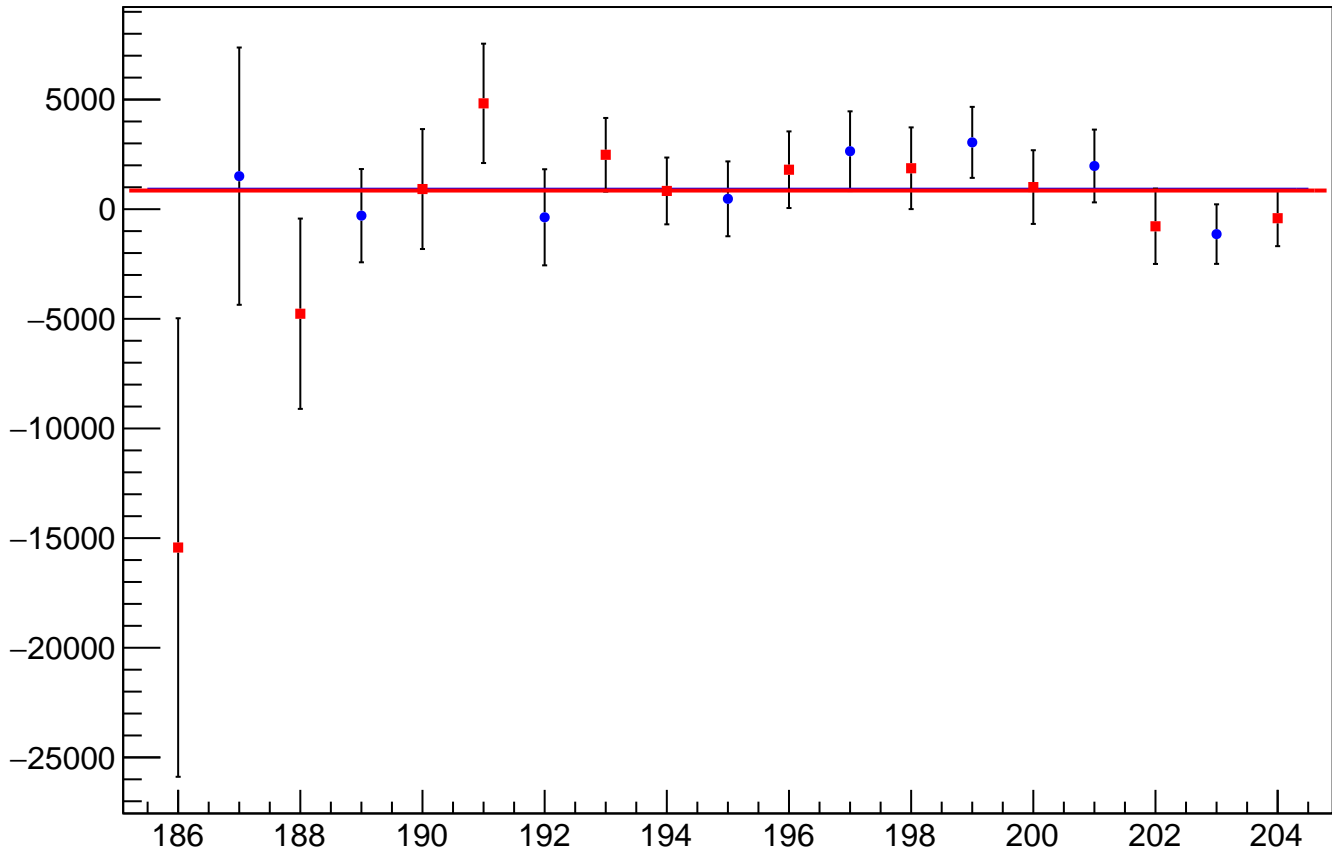
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1455.306+/-0.305  $\chi^2/\text{NDF}$ : 743225.4/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1548\_avg\_mean vs Slug



Right In: 889.162 $\pm$ 646.741  $\chi^2$ /NDF: 6.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 850.509 $\pm$ 573.504  $\chi^2$ /NDF: 9.7/10

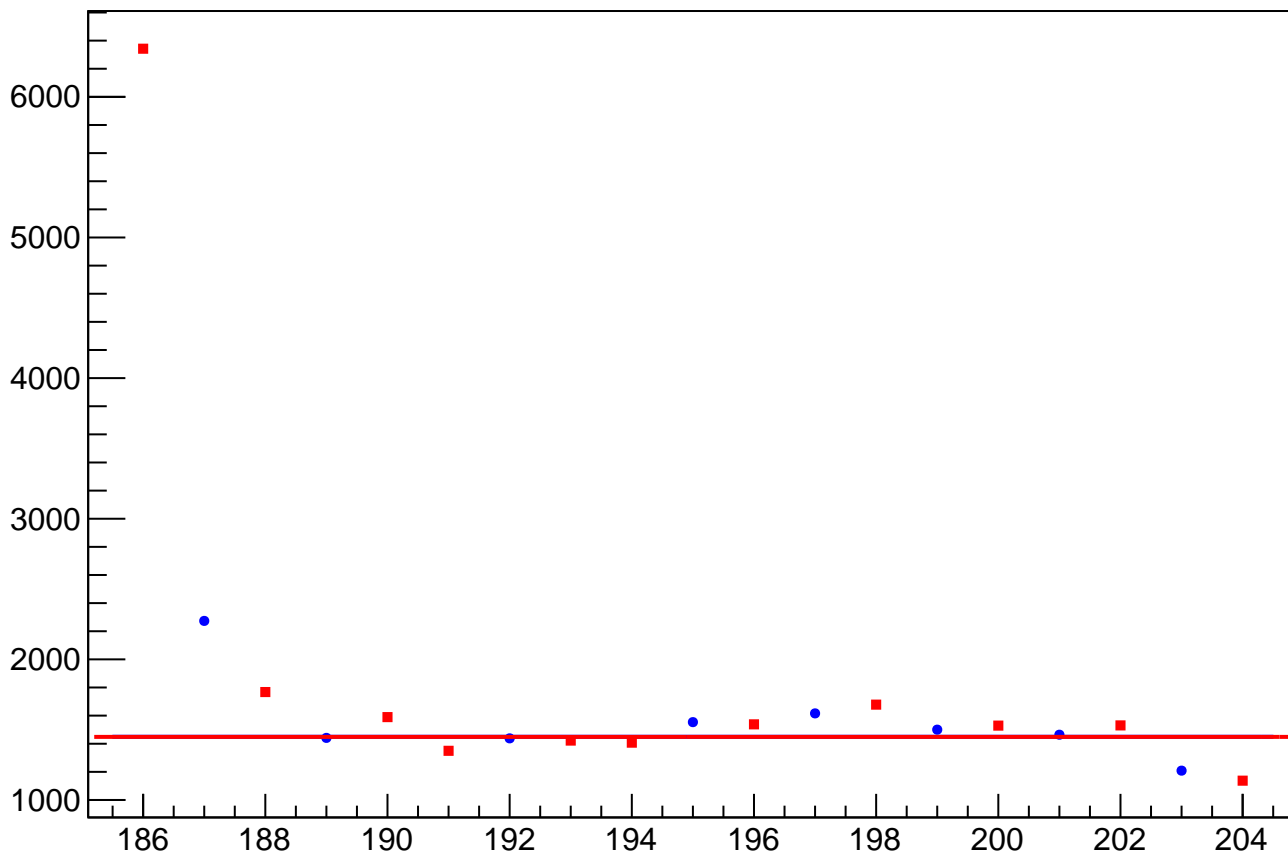
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 867.524 $\pm$ 429.096  $\chi^2$ /NDF: 15.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1548\_avg\_rms vs Slug



Right In: 1449.512+/-0.457  $\chi^2/\text{NDF}$ : 128738.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1448.711+/-0.406  $\chi^2/\text{NDF}$ : 622628.7/10

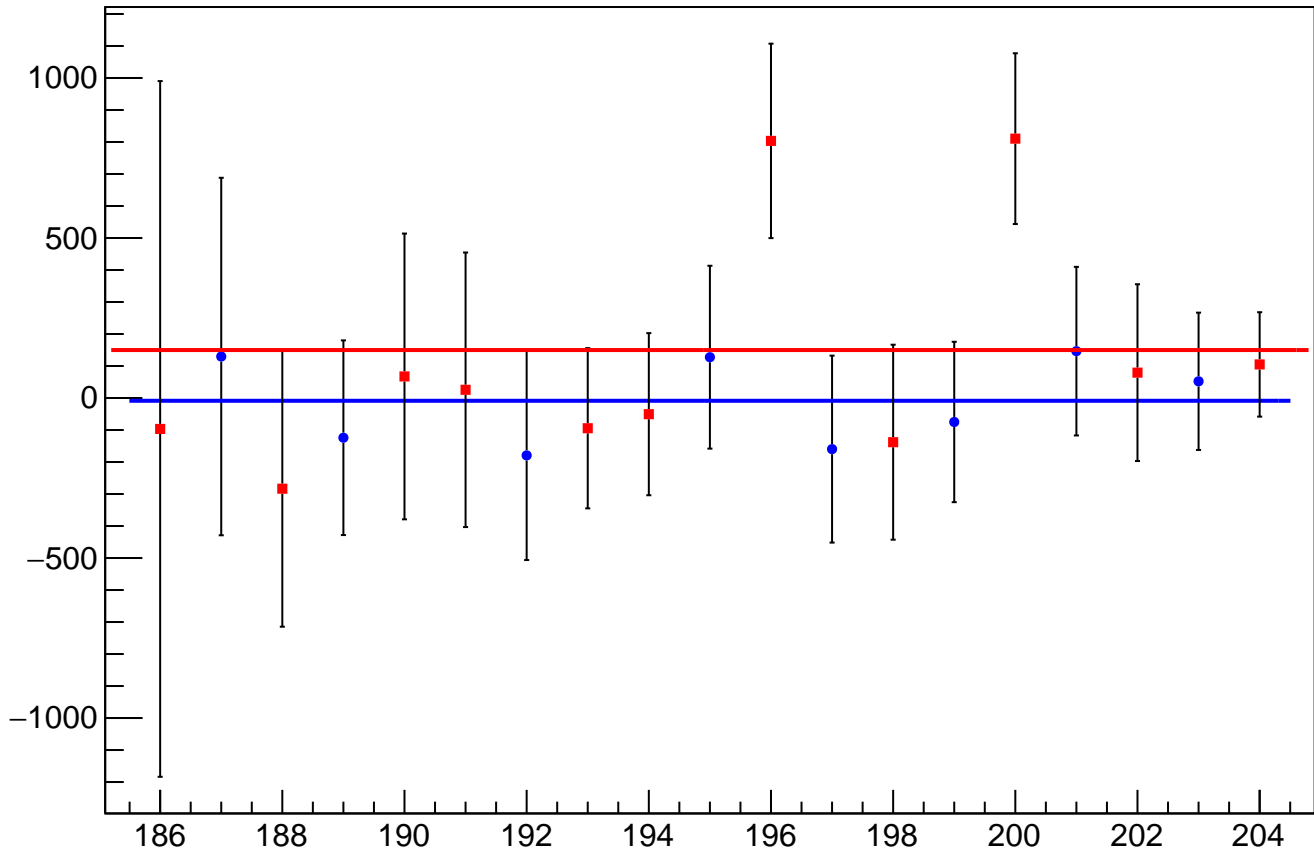
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1449.064+/-0.303  $\chi^2/\text{NDF}$ : 751369.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_3748\_avg\_mean vs Slug



Right In:  $-8.673 \pm 100.300$   $\chi^2/\text{NDF}$ : 1.5/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $149.824 \pm 86.213$   $\chi^2/\text{NDF}$ : 14.6/10

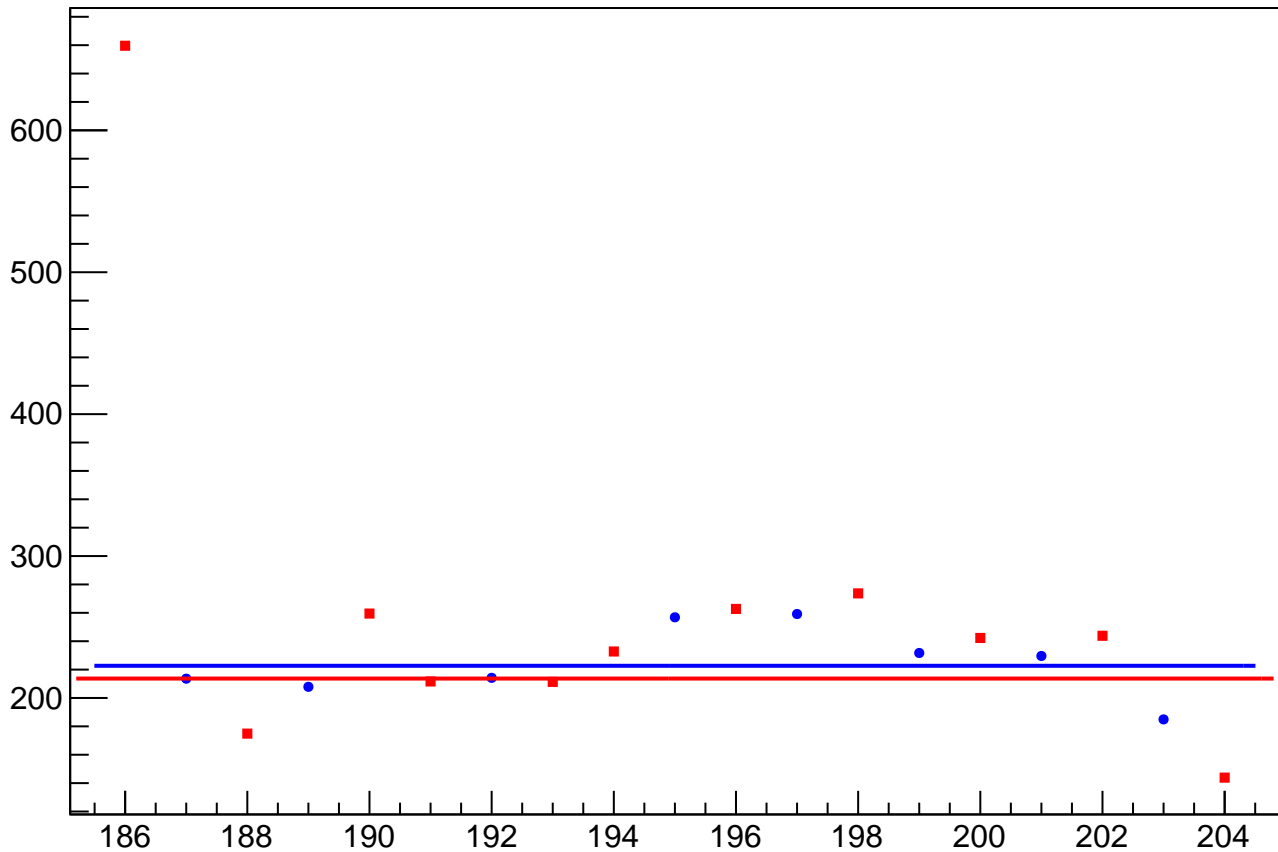
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $82.478 \pm 65.380$   $\chi^2/\text{NDF}$ : 17.5/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_3748\_avg\_rms vs Slug



Right In: 222.684 $\pm$ 0.071  $\chi^2$ /NDF: 132389.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 213.684 $\pm$ 0.061  $\chi^2$ /NDF: 928162.8/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

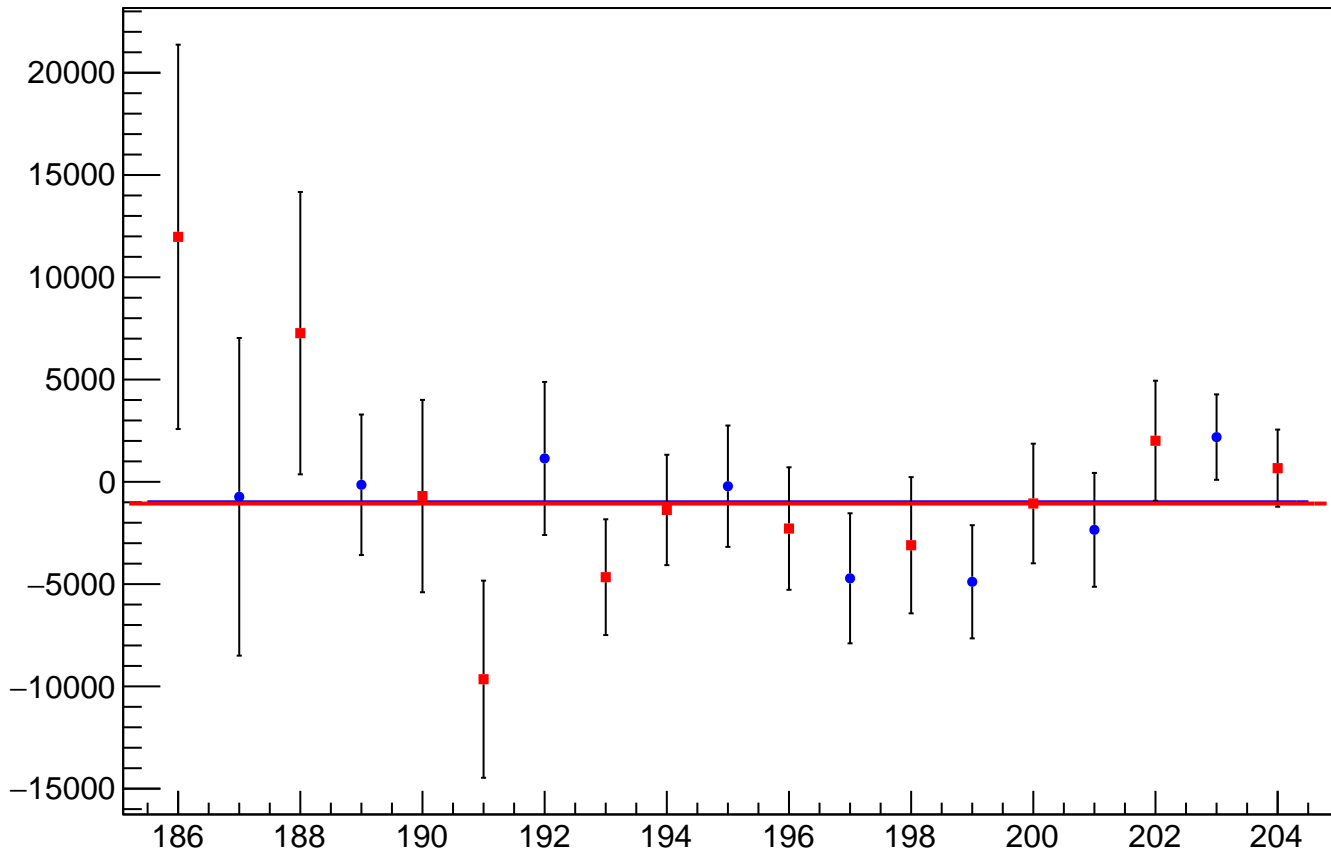
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 217.508 $\pm$ 0.046  $\chi^2$ /NDF: 1069813.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_3748\_avg\_correction\_mean vs Slug



Right In:  $-999.302 \pm 1069.393$   $\chi^2/\text{NDF}$ : 6.4/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1061.158 \pm 953.964$   $\chi^2/\text{NDF}$ : 10.7/10

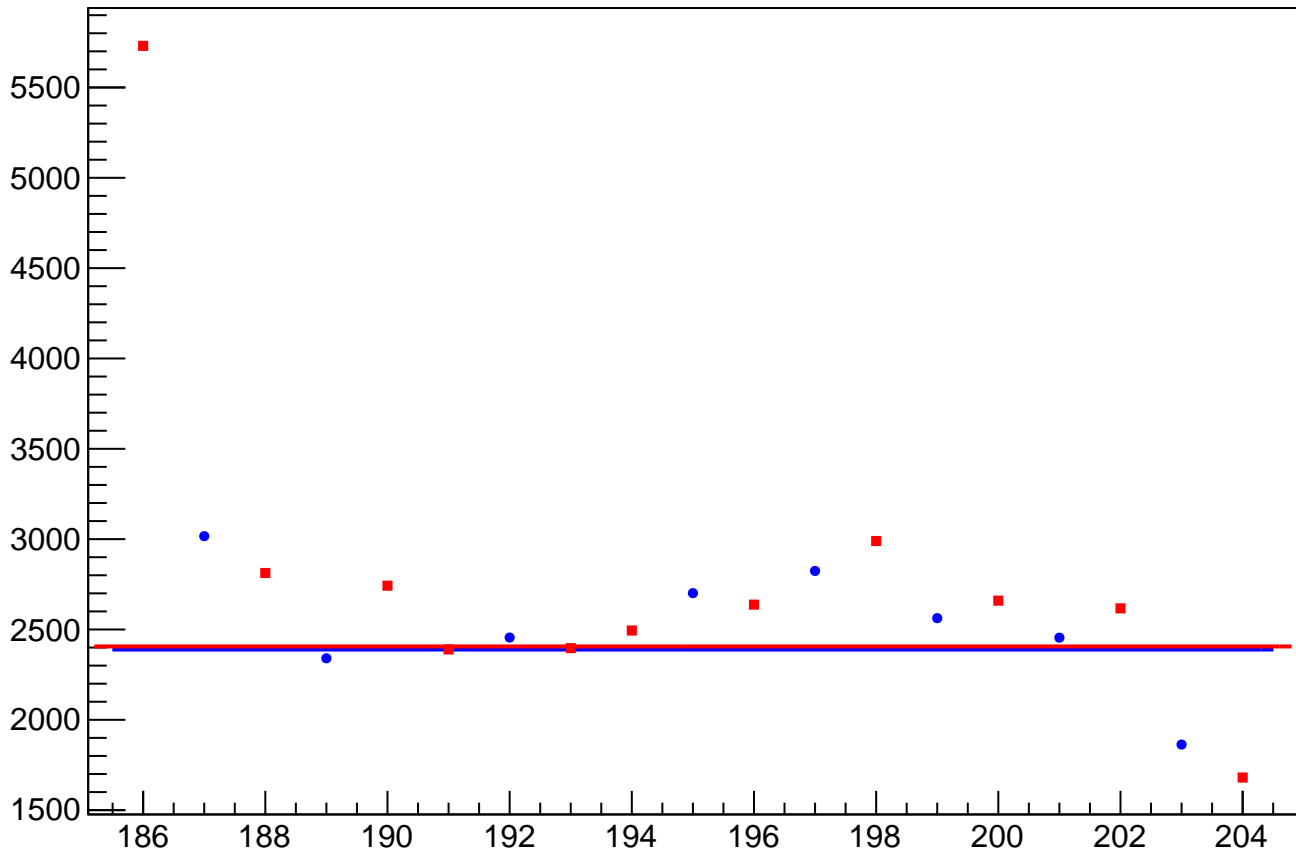
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1033.747 \pm 711.879$   $\chi^2/\text{NDF}$ : 17.0/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3748\_avg\_correction\_rms vs Slug



Right In: 2389.127+/-0.756  $\chi^2/\text{NDF}$ : 209483.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

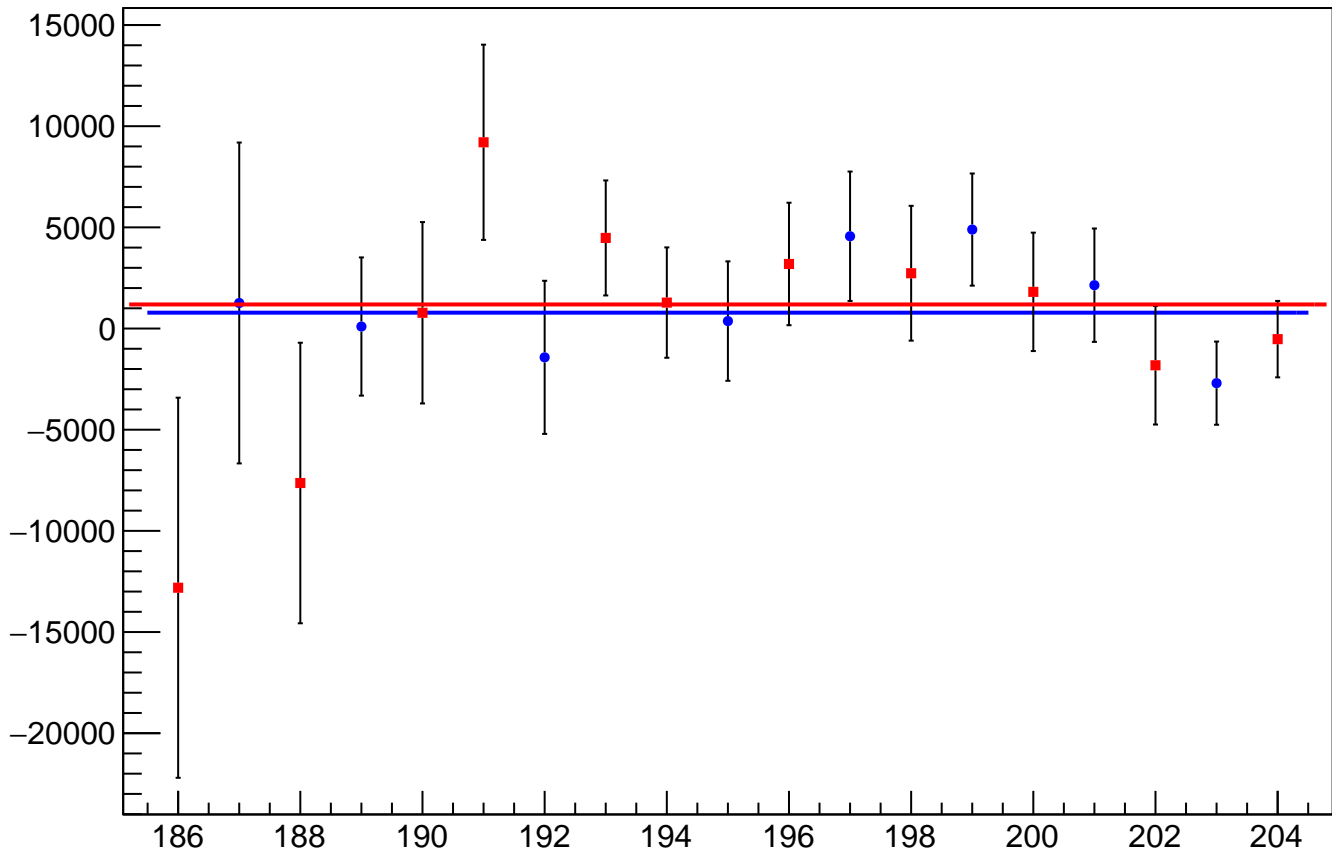
Right Out: 2406.126+/-0.675  $\chi^2/\text{NDF}$ : 664624.9/10

All: 2398.593+/-0.503  $\chi^2/\text{NDF}$ : 874389.9/18

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3748\_avg\_mean vs Slug



Right In: 783.916+/-1067.085  $\chi^2$ /NDF: 7.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1190.052+/-955.201  $\chi^2$ /NDF: 10.5/10

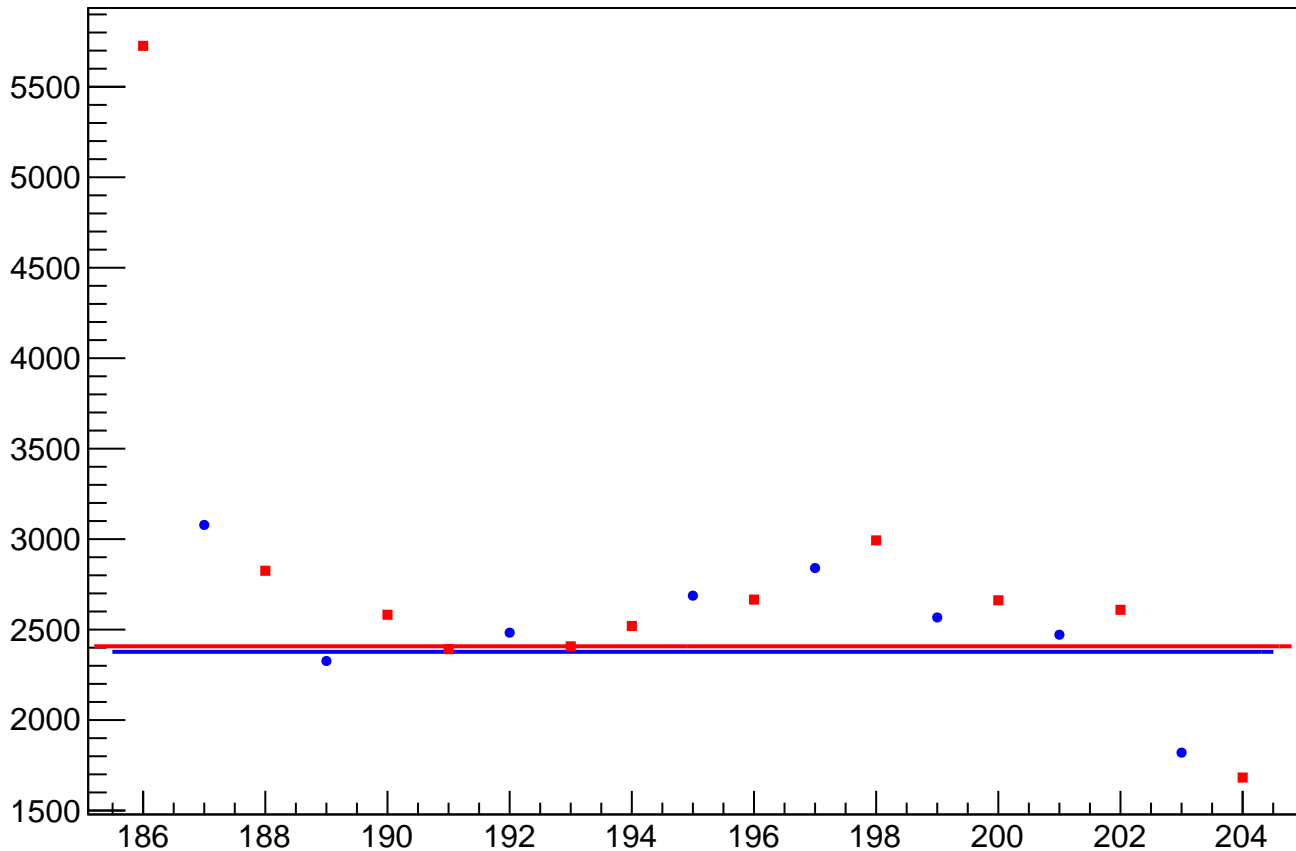
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1009.385+/-711.709  $\chi^2$ /NDF: 17.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3748\_avg\_rms vs Slug



Right In: 2377.281 $\pm$ 0.755  $\chi^2$ /NDF: 240267.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

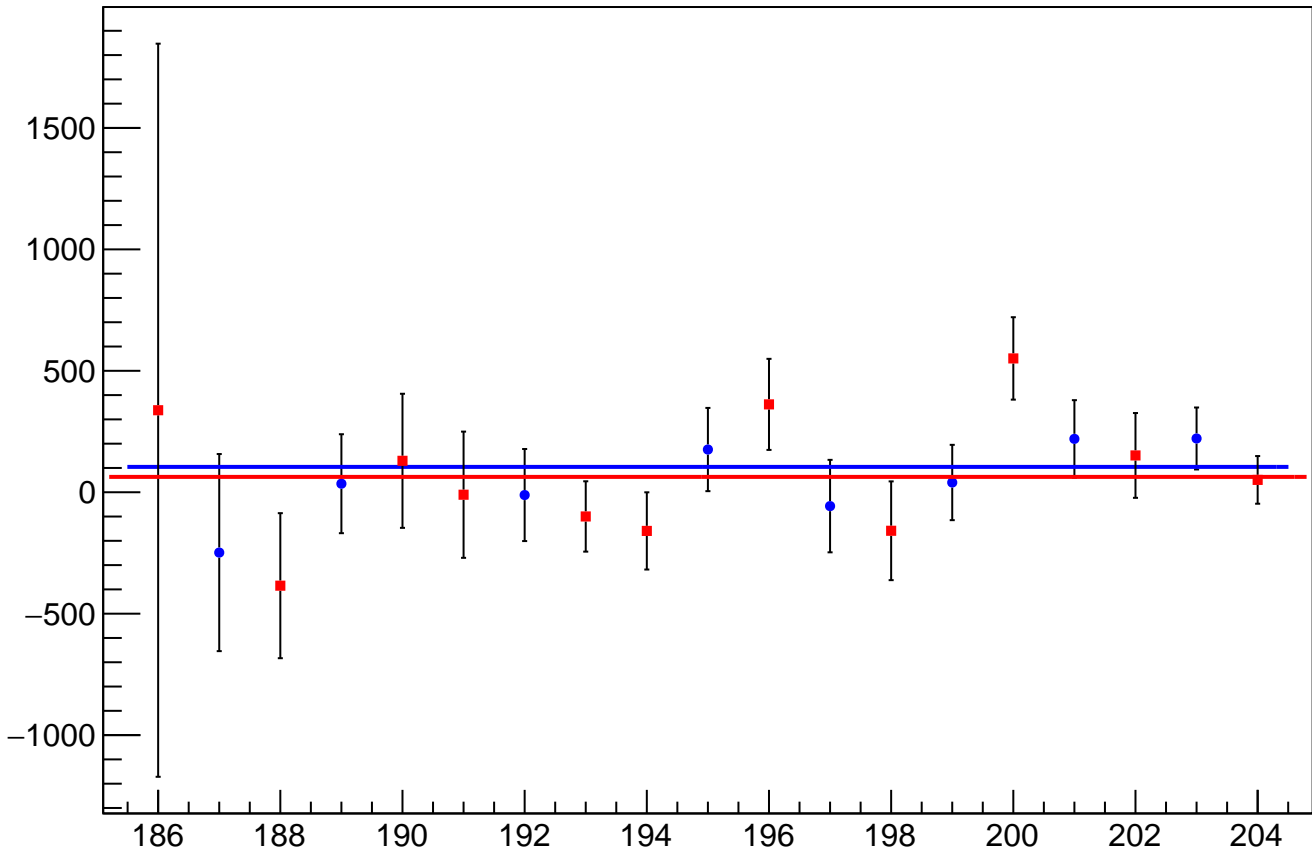
Right Out: 2407.896 $\pm$ 0.675  $\chi^2$ /NDF: 659116.8/10

All: 2394.277 $\pm$ 0.503  $\chi^2$ /NDF: 900298.1/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1526\_avg\_mean vs Slug



Right In: 104.395 $\pm$ 61.771  $\chi^2$ /NDF: 3.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 63.231 $\pm$ 53.386  $\chi^2$ /NDF: 17.9/10

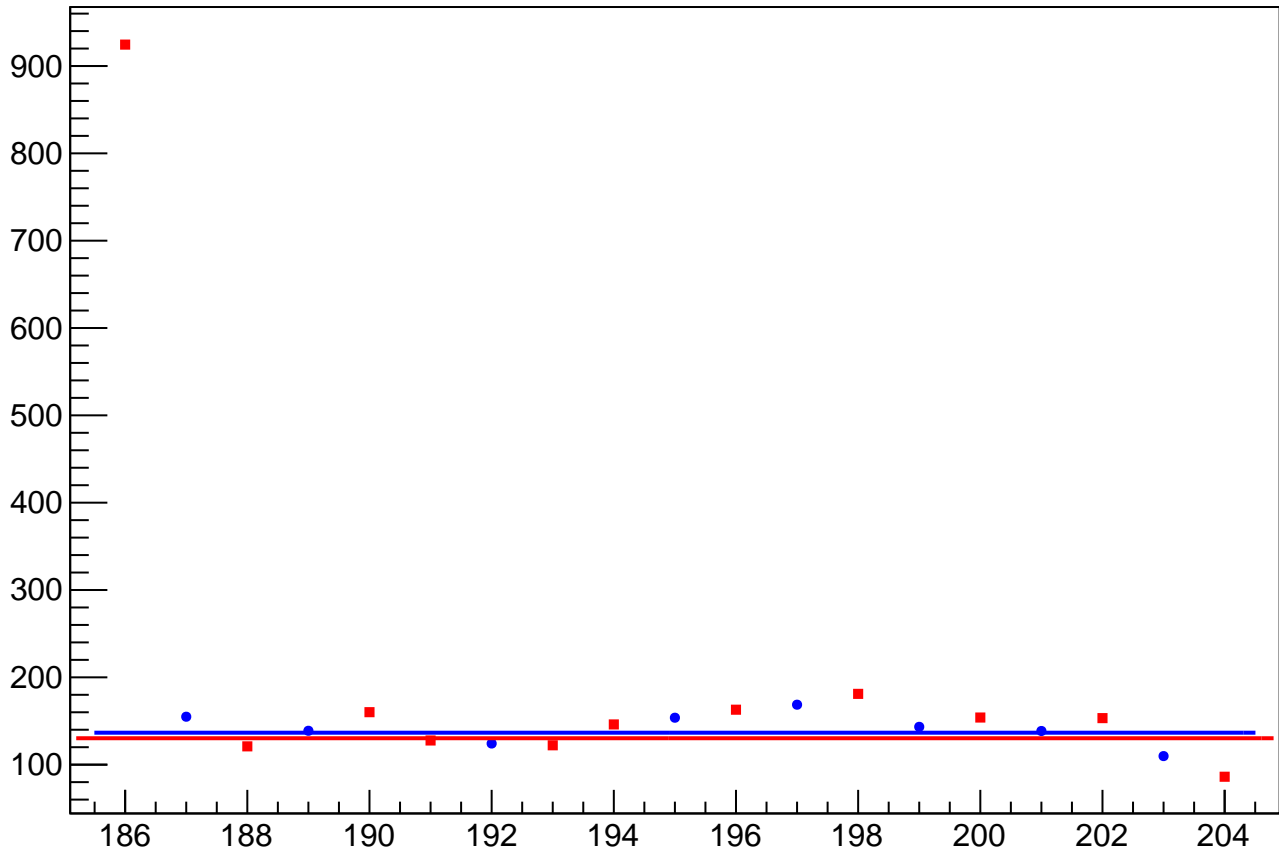
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 80.832 $\pm$ 40.392  $\chi^2$ /NDF: 21.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1526\_avg\_rms vs Slug



Right In: 136.606 $\pm$ 0.044  $\chi^2$ /NDF: 181896.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

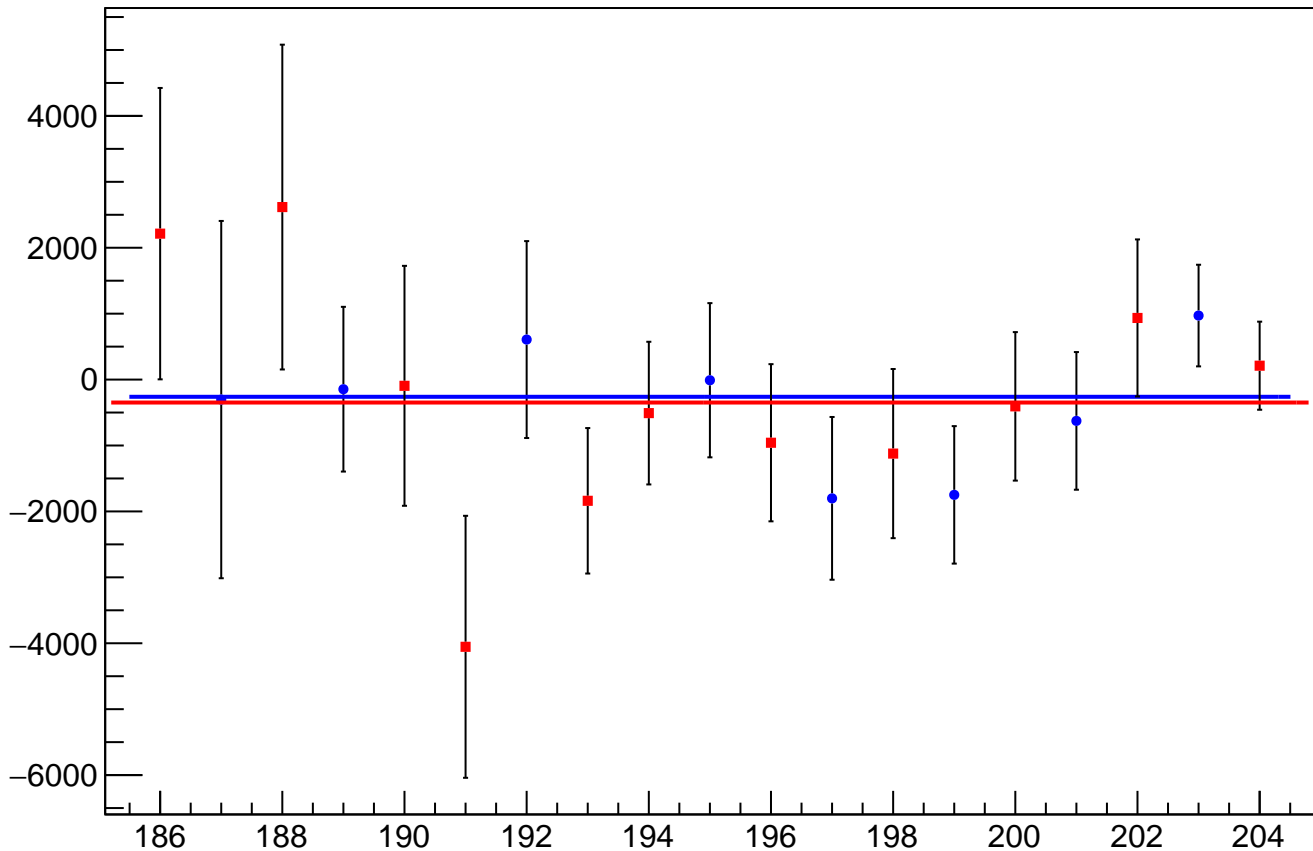
Right Out: 130.261 $\pm$ 0.038  $\chi^2$ /NDF: 1268543.0/10

All: 132.974 $\pm$ 0.029  $\chi^2$ /NDF: 1462518.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

# asym\_sam\_1526\_avg\_correction\_mean vs Slug



Right In: -261.070+/-403.845  $\chi^2$ /NDF: 6.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -348.156+/-361.708  $\chi^2$ /NDF: 10.6/10

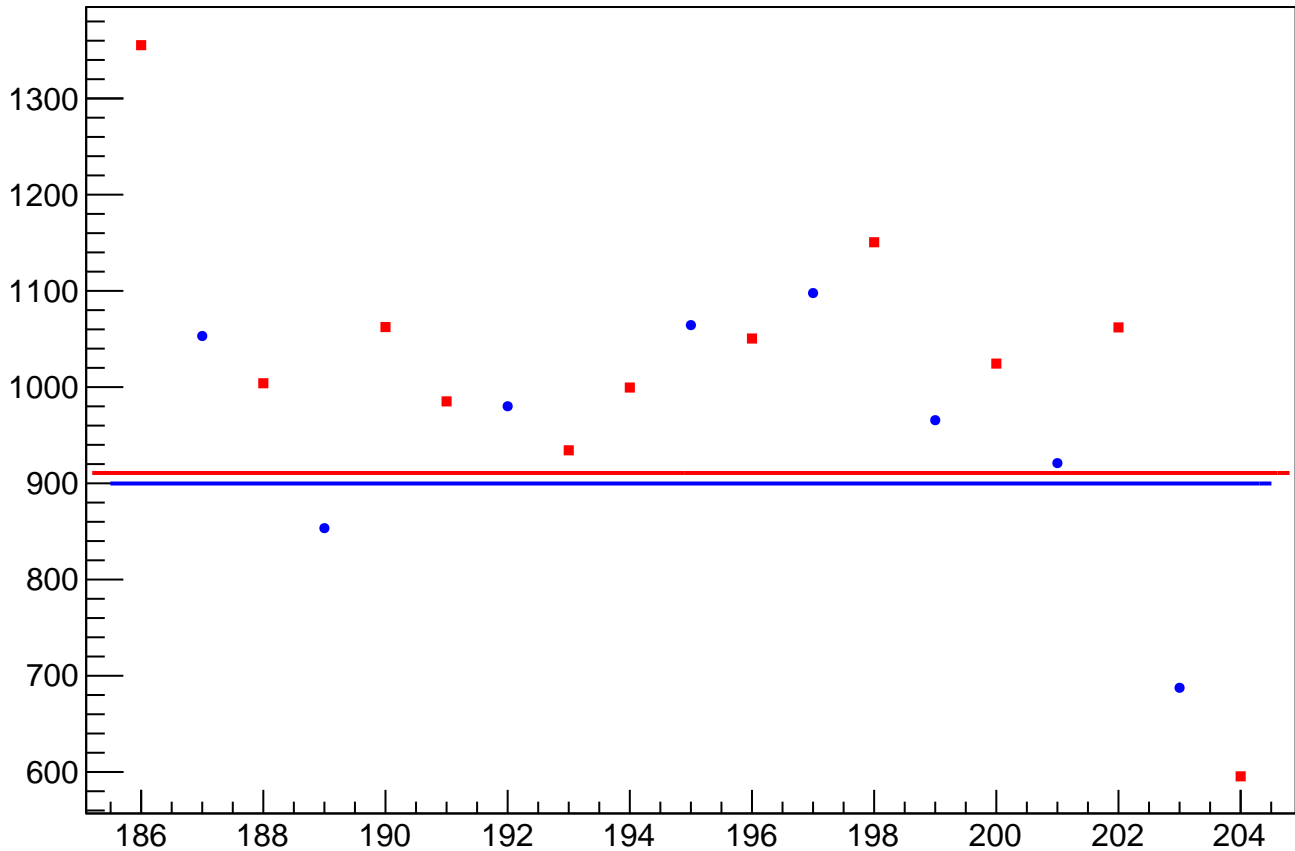
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -309.392+/-269.436  $\chi^2$ /NDF: 17.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1526\_avg\_correction\_rms vs Slug



Right In: 899.824 $\pm$ 0.286  $\chi^2$ /NDF: 266451.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 910.762 $\pm$ 0.256  $\chi^2$ /NDF: 710126.6/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

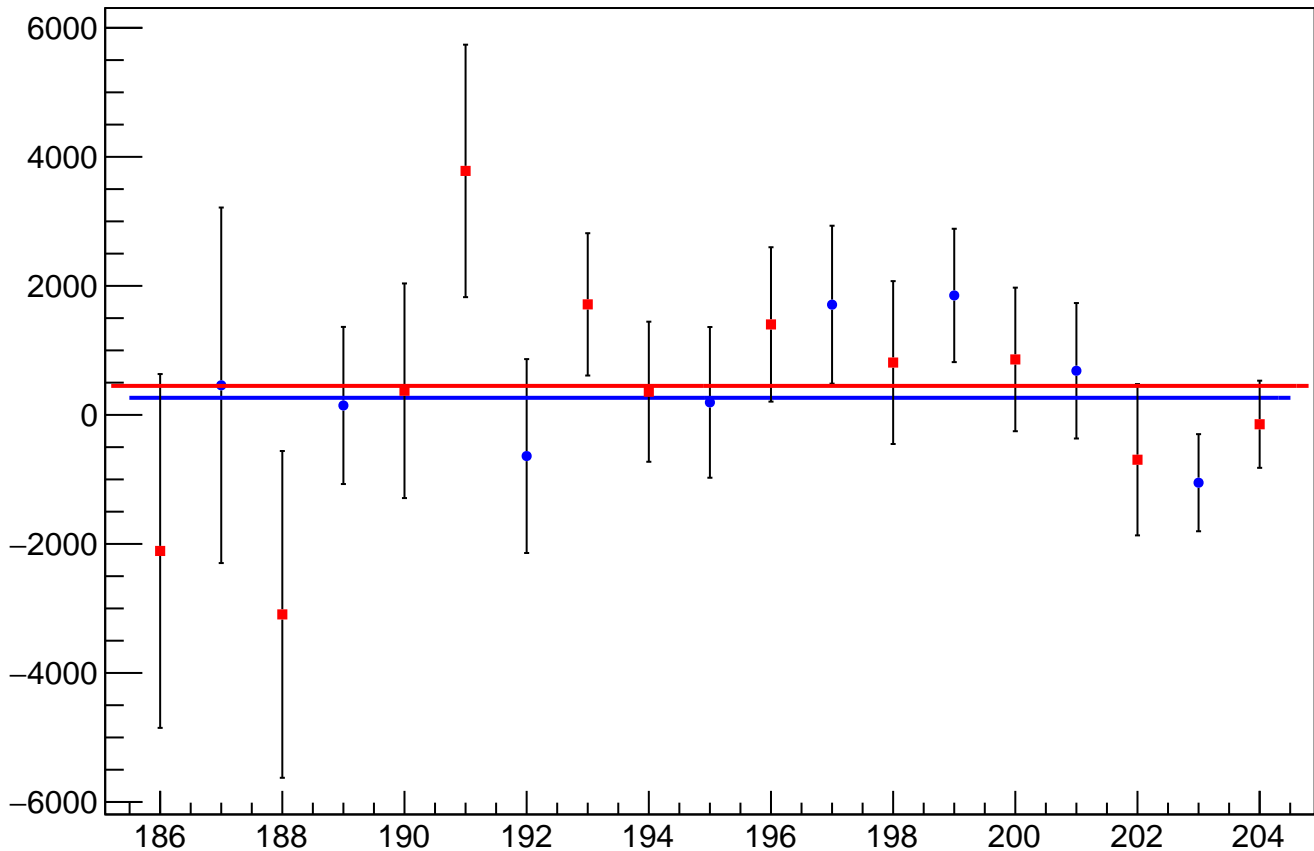
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 905.893 $\pm$ 0.191  $\chi^2$ /NDF: 977392.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_1526\_avg\_mean vs Slug



Right In: 265.047+/-399.769  $\chi^2$ /NDF: 7.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 449.802+/-361.937  $\chi^2$ /NDF: 9.6/10

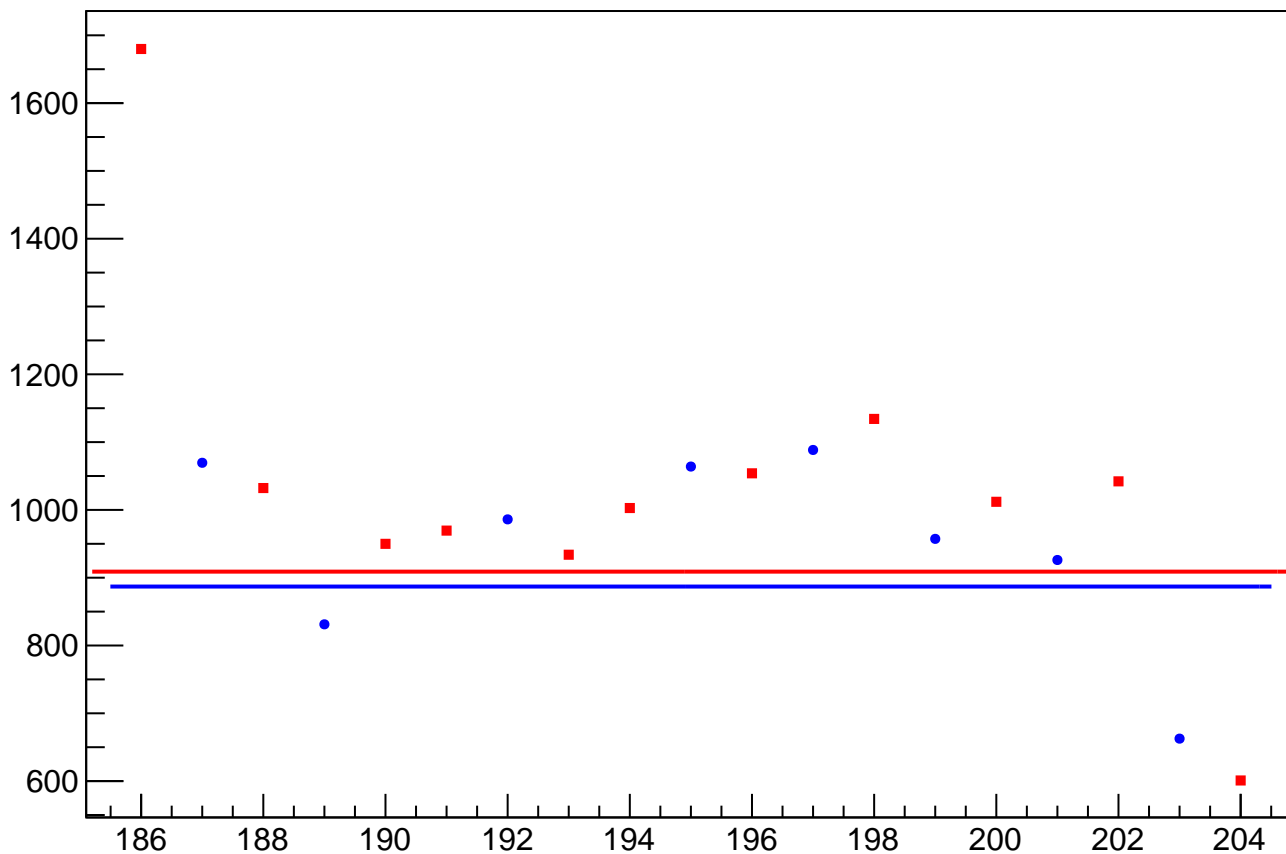
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 366.578+/-268.309  $\chi^2$ /NDF: 17.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1526\_avg\_rms vs Slug



Right In: 886.961+/-0.283  $\chi^2/\text{NDF}$ : 311418.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 908.958+/-0.256  $\chi^2/\text{NDF}$ : 733720.6/10

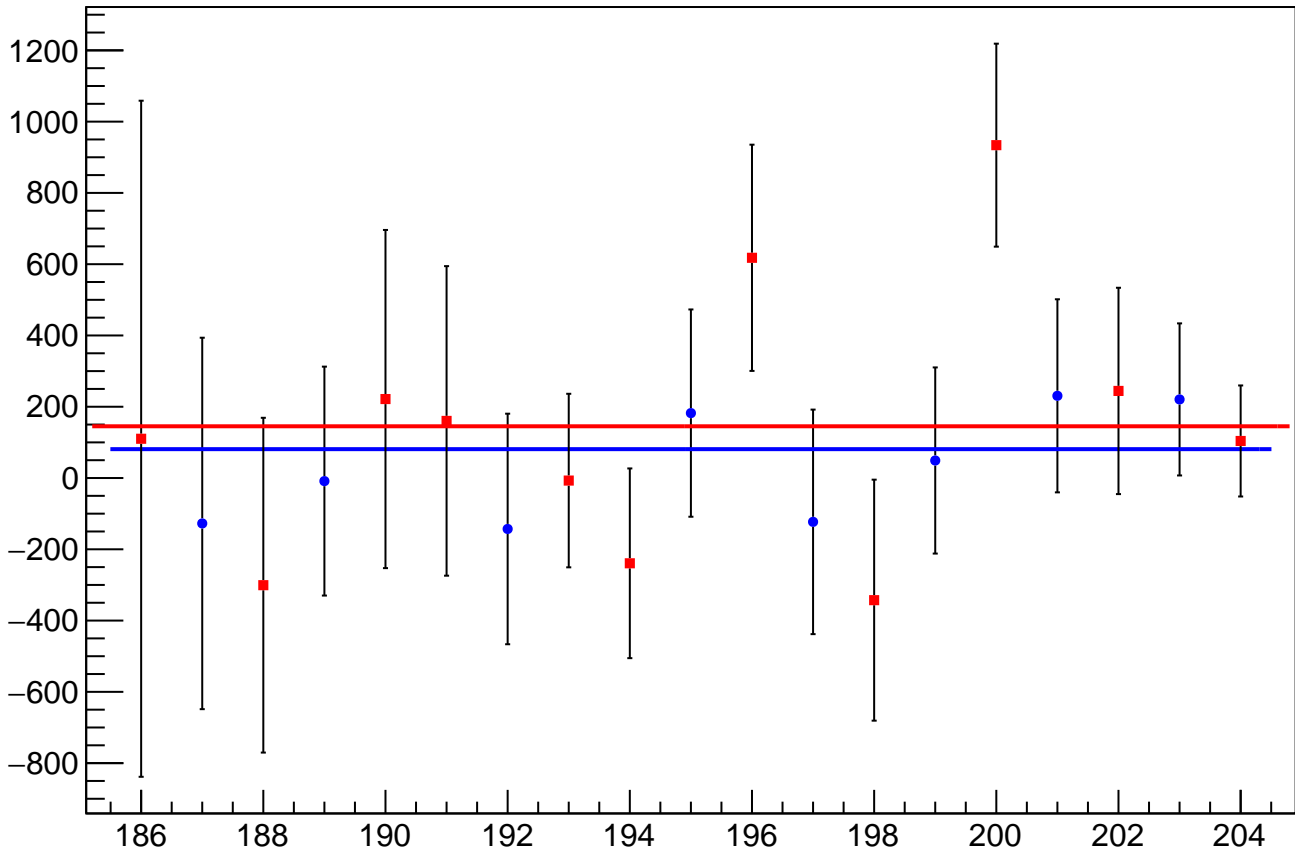
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 899.049+/-0.190  $\chi^2/\text{NDF}$ : 1048466.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_3726\_avg\_mean vs Slug



Right In: 81.007+/-102.550  $\chi^2$ /NDF: 2.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 145.170+/-87.532  $\chi^2$ /NDF: 15.6/10

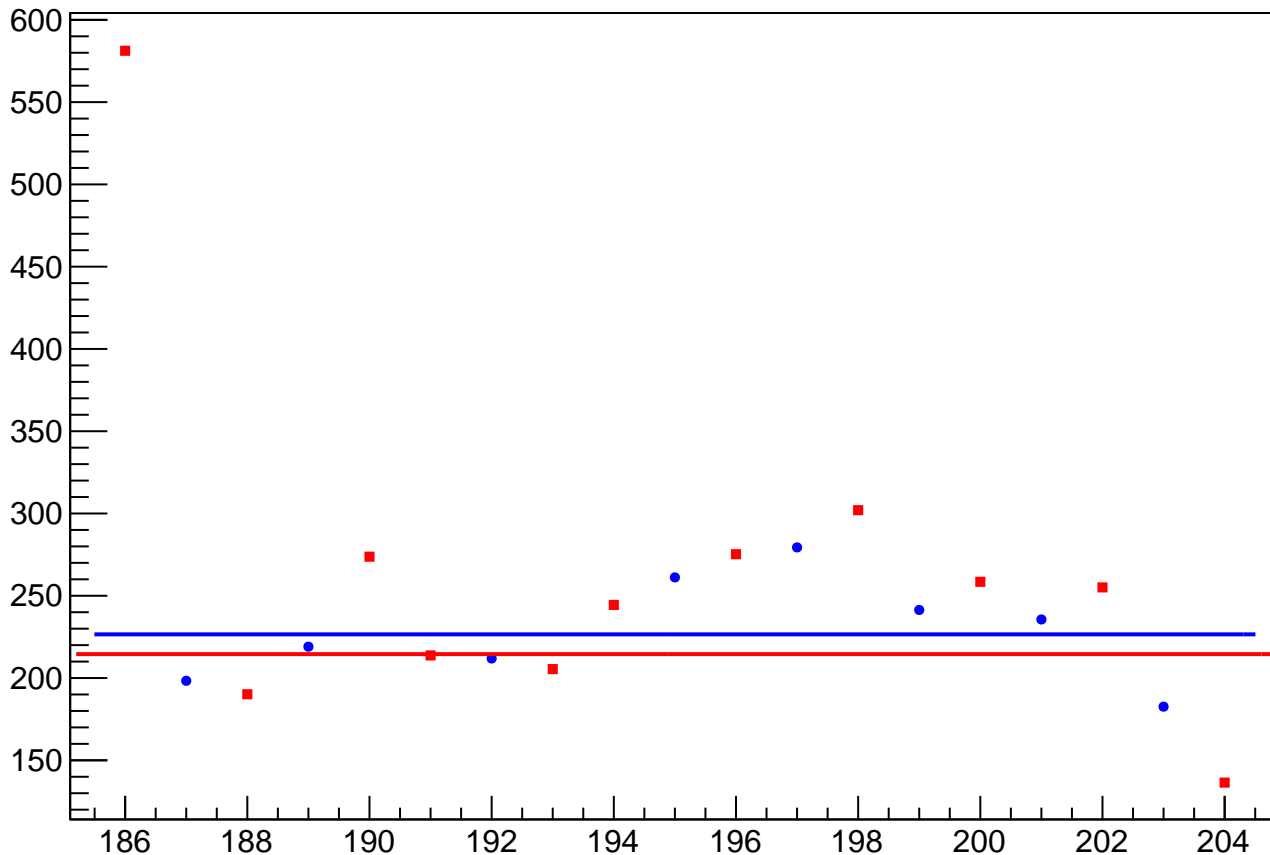
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 118.127+/-66.577  $\chi^2$ /NDF: 17.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_3726\_avg\_rms vs Slug



Right In: 226.549 $\pm$ 0.073  $\chi^2$ /NDF: 189164.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

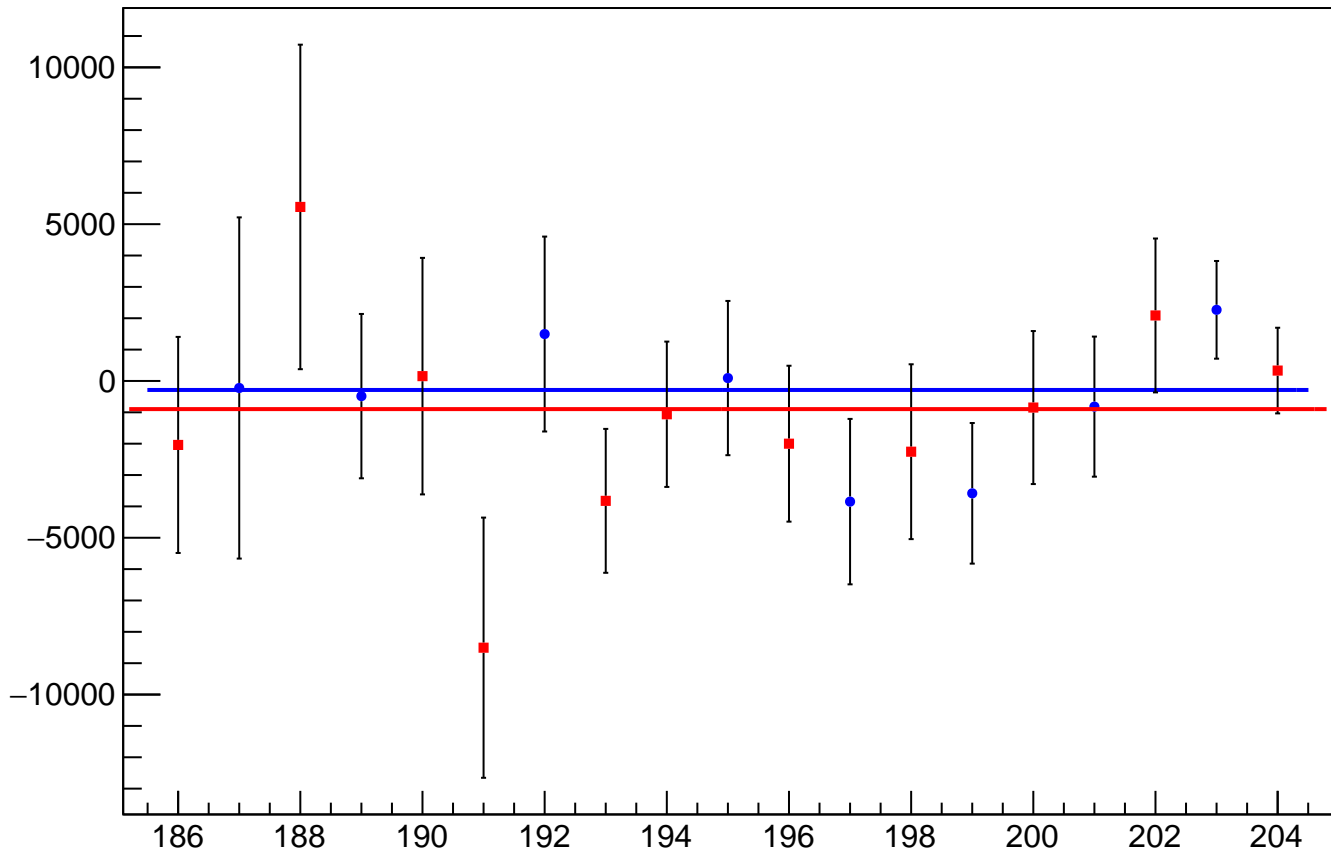
Right Out: 214.538 $\pm$ 0.062  $\chi^2$ /NDF: 1160010.5/10

All: 219.601 $\pm$ 0.047  $\chi^2$ /NDF: 1365046.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

# asym\_sam\_3726\_avg\_correction\_mean vs Slug



Right In:  $-287.179 \pm 844.095$   $\chi^2/\text{NDF}: 7.1/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-897.505 \pm 748.071$   $\chi^2/\text{NDF}: 9.5/10$

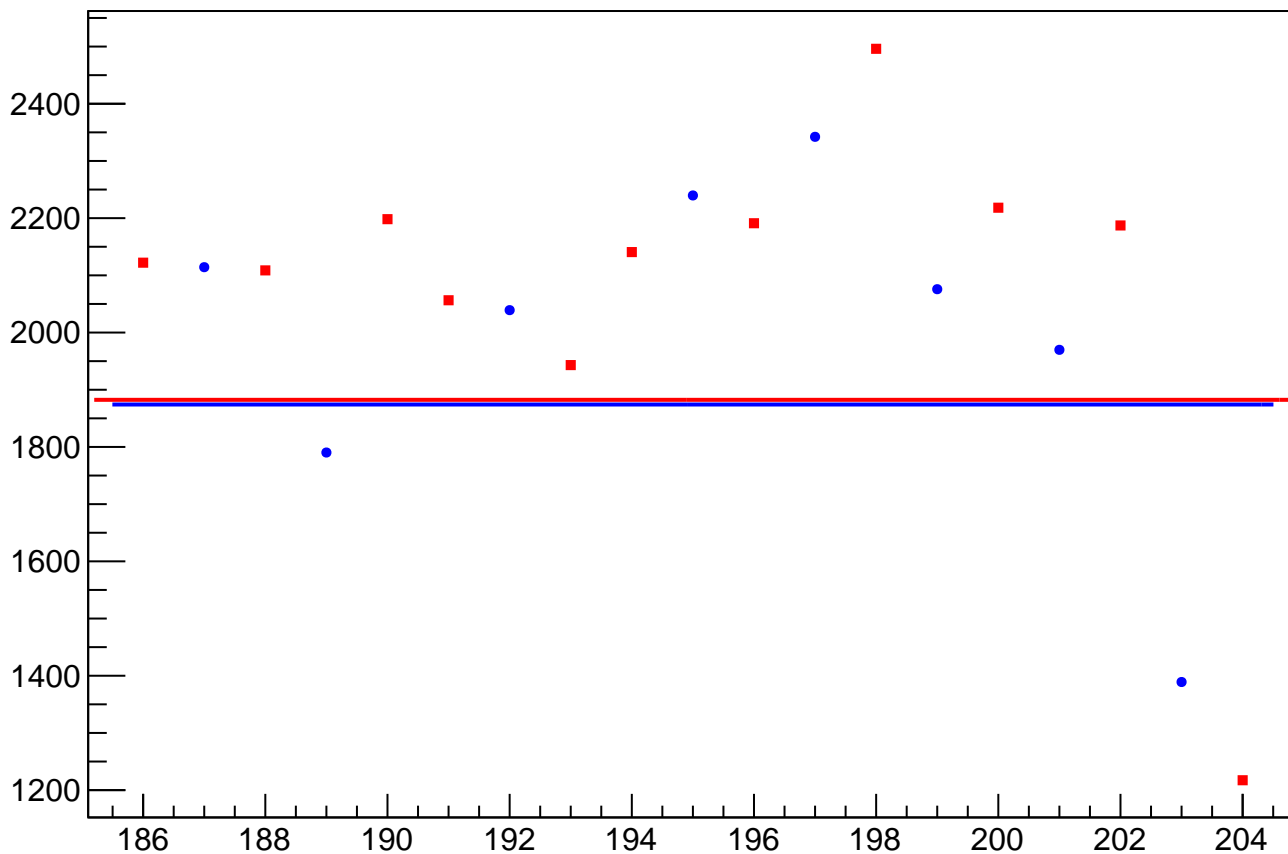
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-629.017 \pm 559.851$   $\chi^2/\text{NDF}: 16.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam\_3726\_avg\_correction\_rms vs Slug



Right In: 1874.200+/-0.597  $\chi^2/\text{NDF}$ : 332554.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

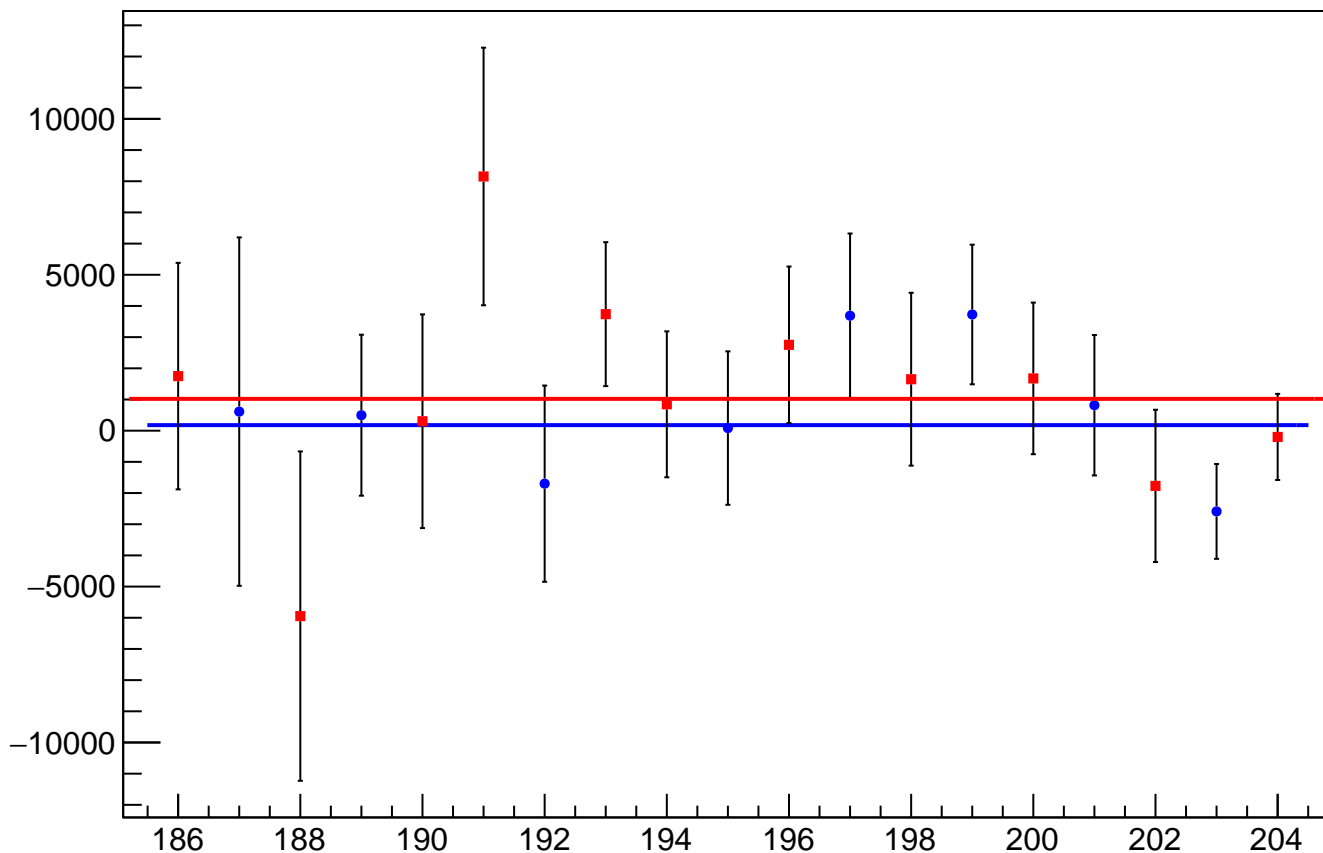
Right Out: 1882.385+/-0.529  $\chi^2/\text{NDF}$ : 728217.2/10

All: 1878.784+/-0.396  $\chi^2/\text{NDF}$ : 1060877.2/18

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3726\_avg\_mean vs Slug



Right In: 177.605 $\pm$ 838.865  $\chi^2$ /NDF: 8.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1020.558 $\pm$ 750.531  $\chi^2$ /NDF: 8.9/10

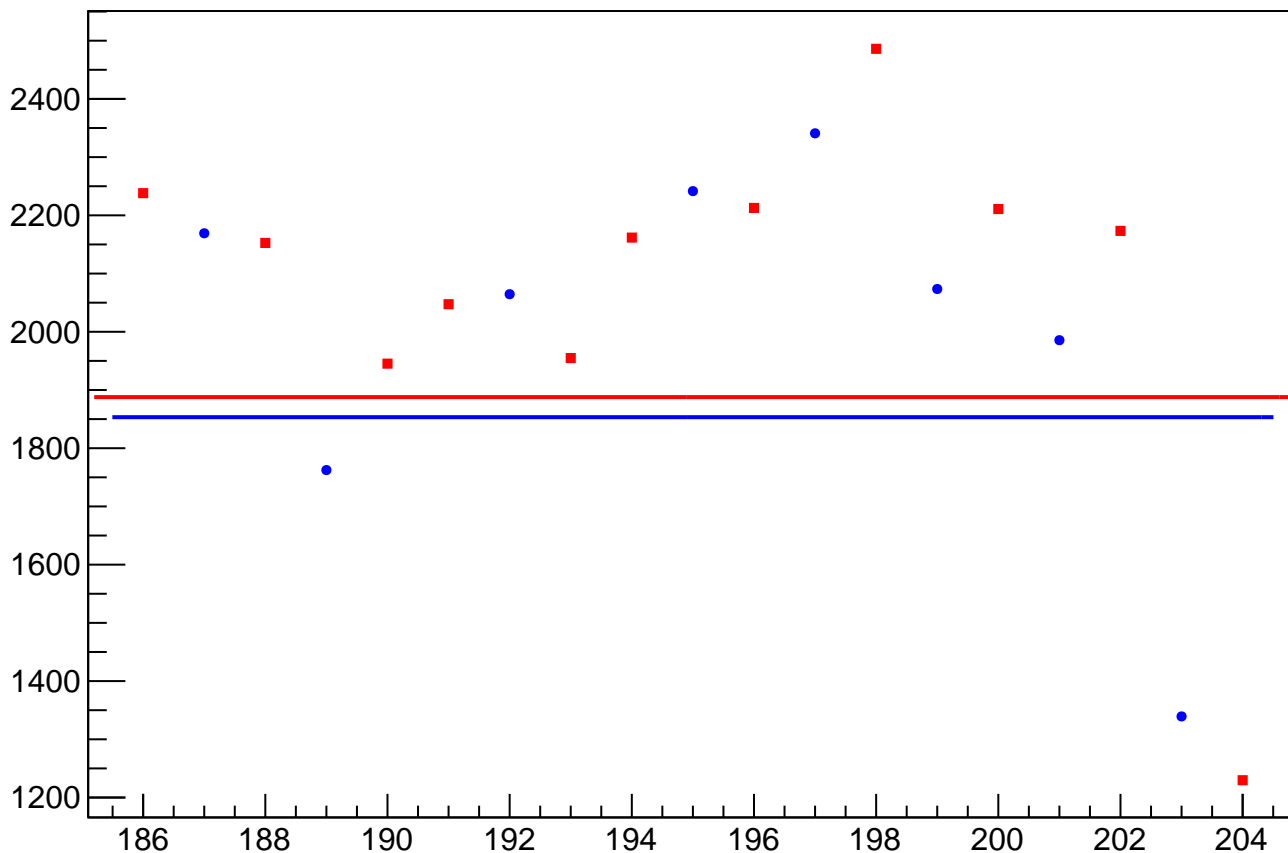
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 645.786 $\pm$ 559.337  $\chi^2$ /NDF: 17.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3726\_avg\_rms vs Slug



Right In: 1853.306 $\pm$ 0.593  $\chi^2$ /NDF: 390707.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1887.789 $\pm$ 0.531  $\chi^2$ /NDF: 699473.9/10

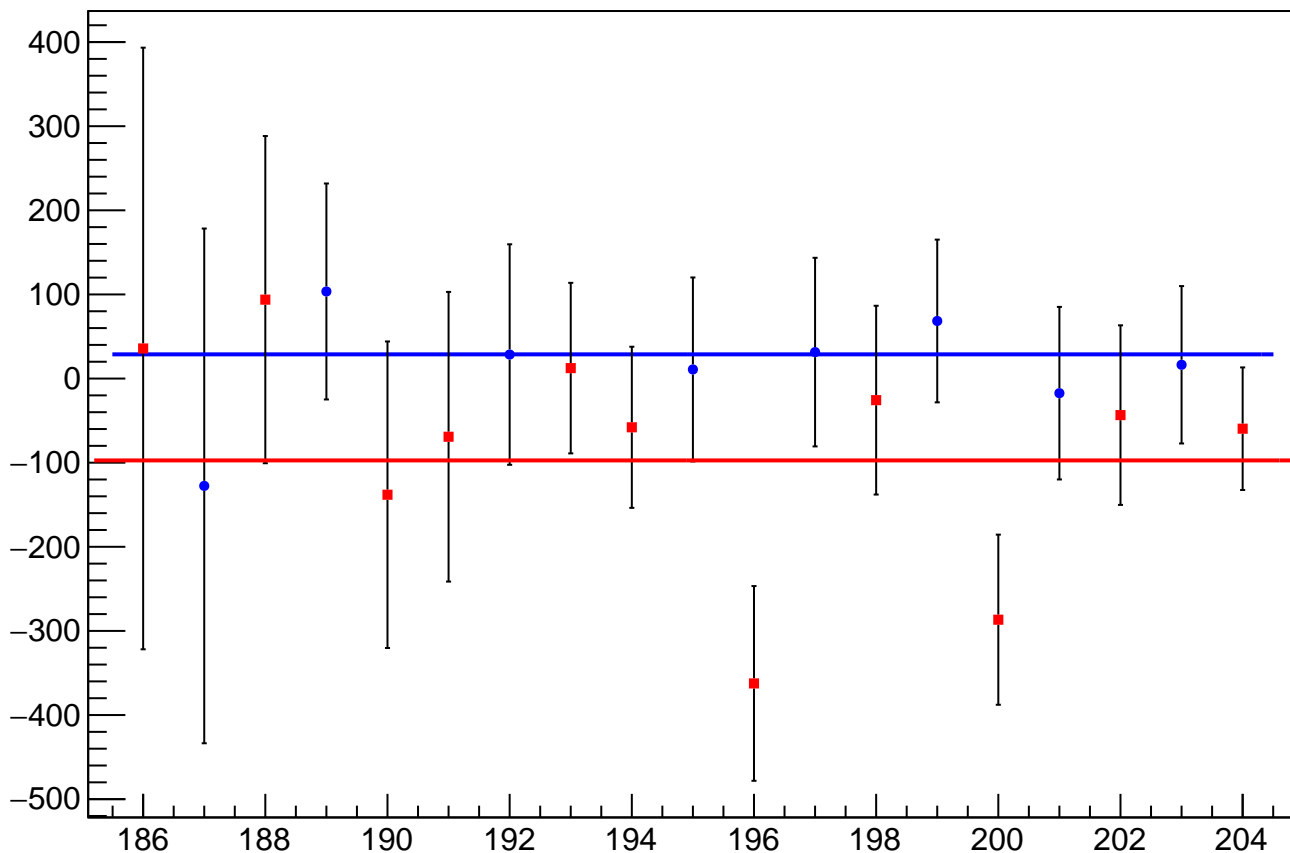
All: 1872.458 $\pm$ 0.396  $\chi^2$ /NDF: 1092058.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_sam\_15\_48\_dd\_mean vs Slug



Right In: 28.772 $\pm$ 40.522  $\chi^2$ /NDF: 1.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -97.312 $\pm$ 34.659  $\chi^2$ /NDF: 12.2/10

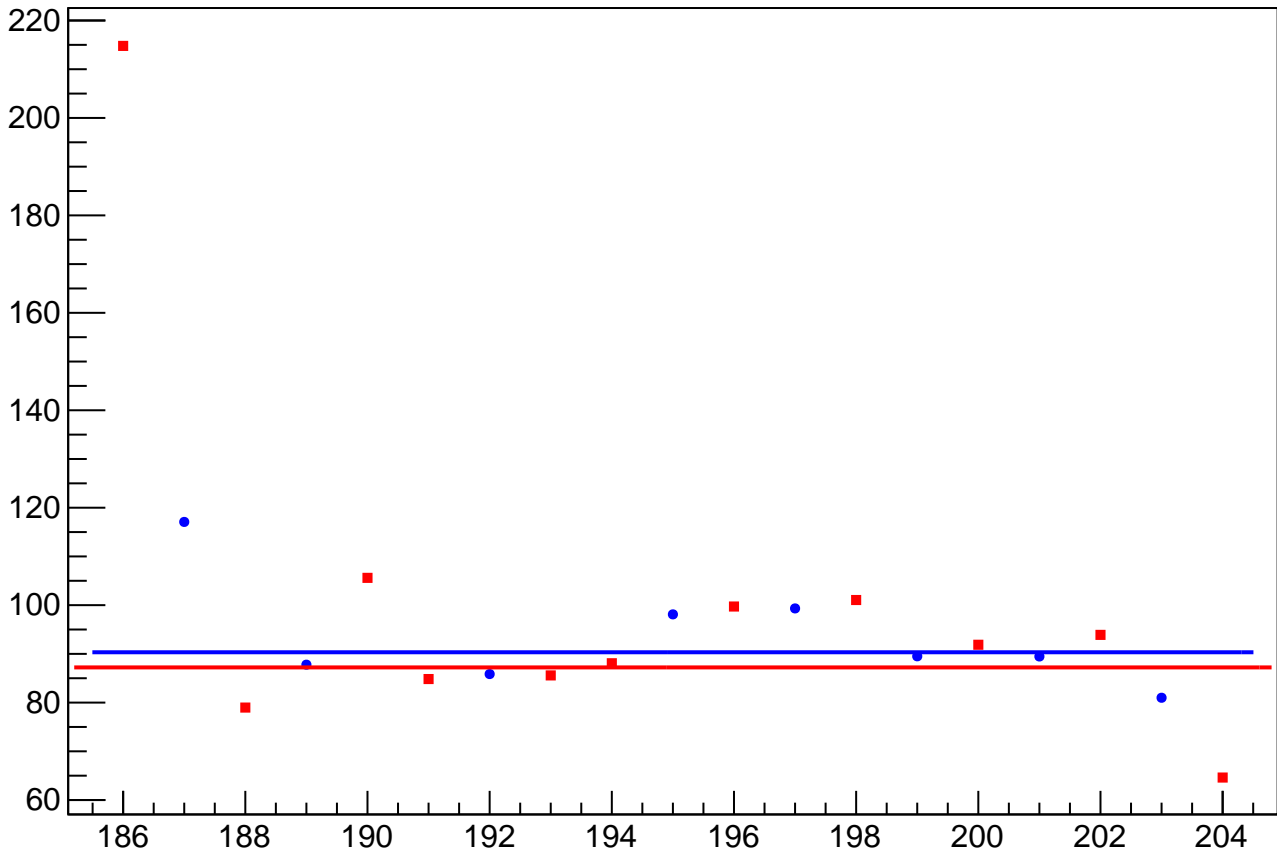
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -44.043 $\pm$ 26.339  $\chi^2$ /NDF: 18.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_48\_dd\_rms vs Slug



Right In: 90.330 $\pm$ 0.029  $\chi^2$ /NDF: 61632.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 87.221 $\pm$ 0.025  $\chi^2$ /NDF: 537840.1/10

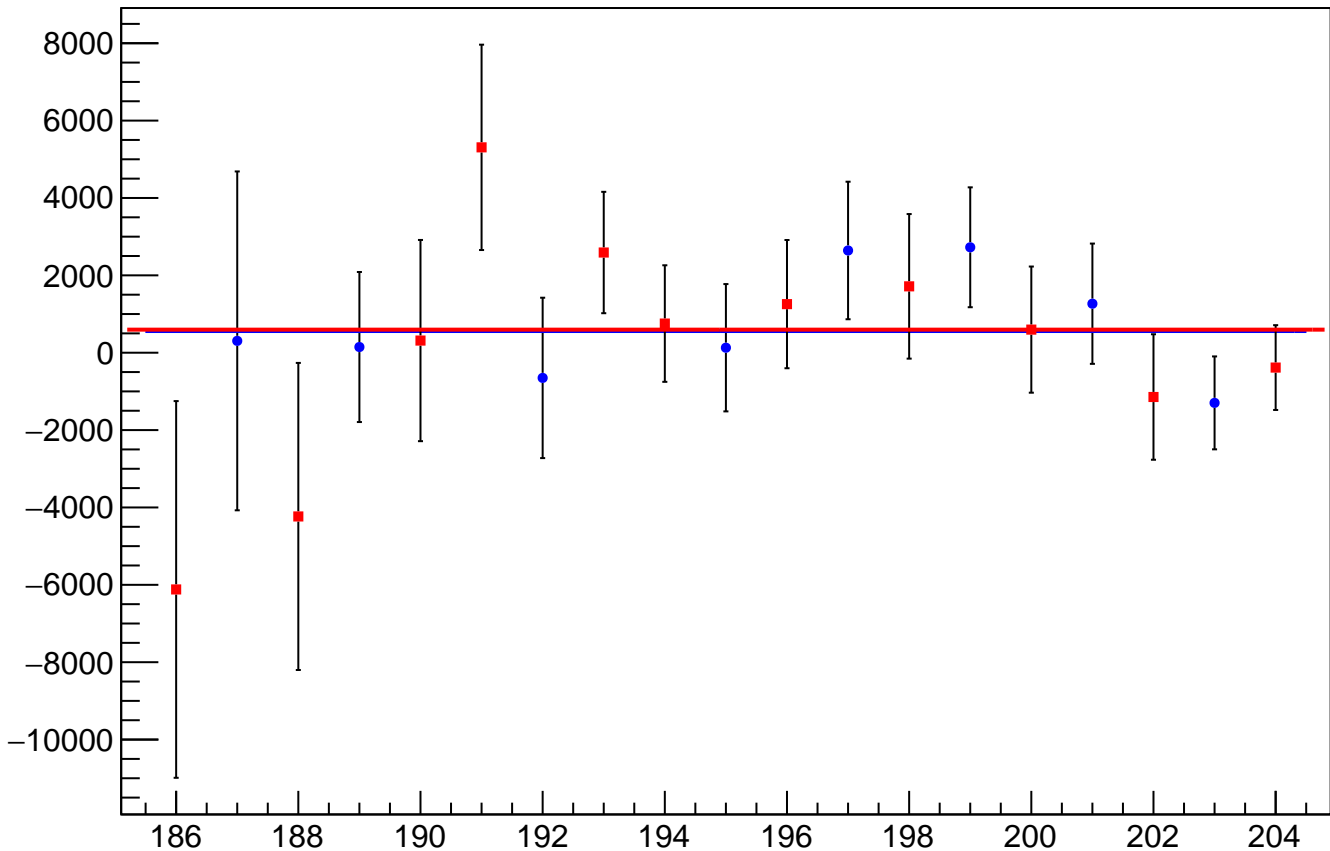
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 88.534 $\pm$ 0.019  $\chi^2$ /NDF: 606272.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_48\_dd\_correction\_mean vs Slug



Right In: 560.739+/-601.913  $\chi^2$ /NDF: 6.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 596.282+/-535.930  $\chi^2$ /NDF: 10.6/10

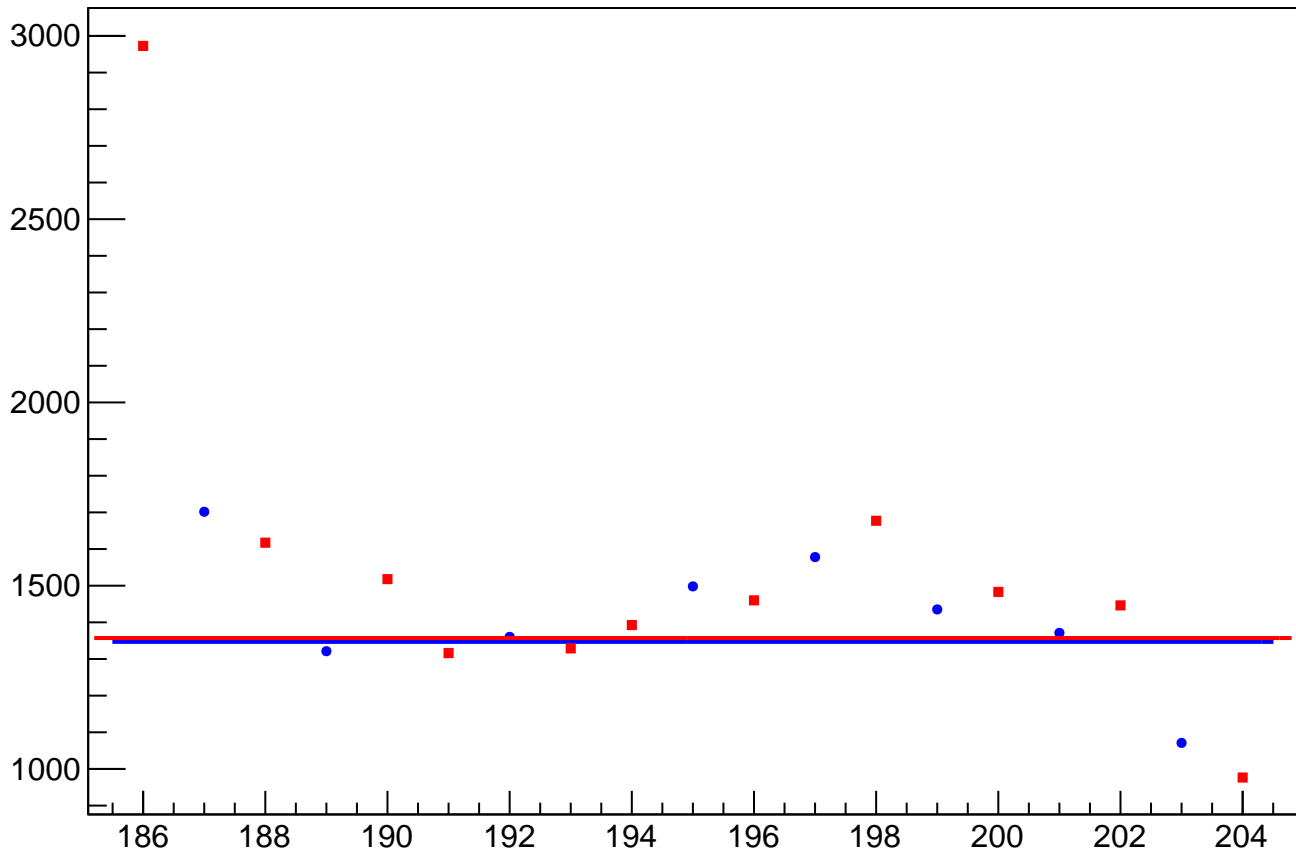
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 580.564+/-400.263  $\chi^2$ /NDF: 17.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_48\_dd\_correction\_rms vs Slug



Right In: 1346.704 $\pm$ 0.426  $\chi^2$ /NDF: 176751.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

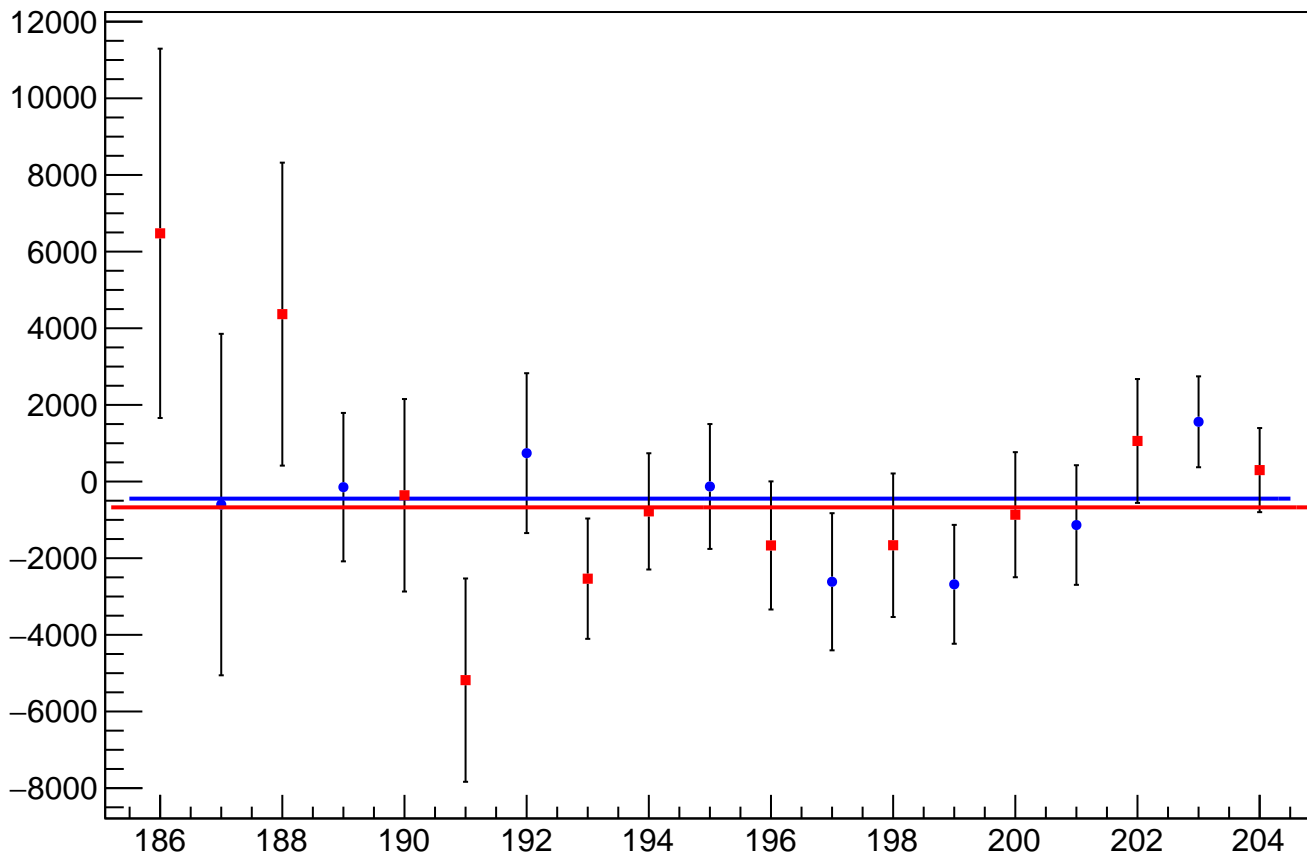
Right Out: 1357.209 $\pm$ 0.379  $\chi^2$ /NDF: 564078.8/10

All: 1352.564 $\pm$ 0.283  $\chi^2$ /NDF: 741169.9/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_48\_dd\_mean vs Slug



Right In:  $-445.766 \pm 600.522$   $\chi^2/\text{NDF}: 7.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-673.392 \pm 536.074$   $\chi^2/\text{NDF}: 10.7/10$

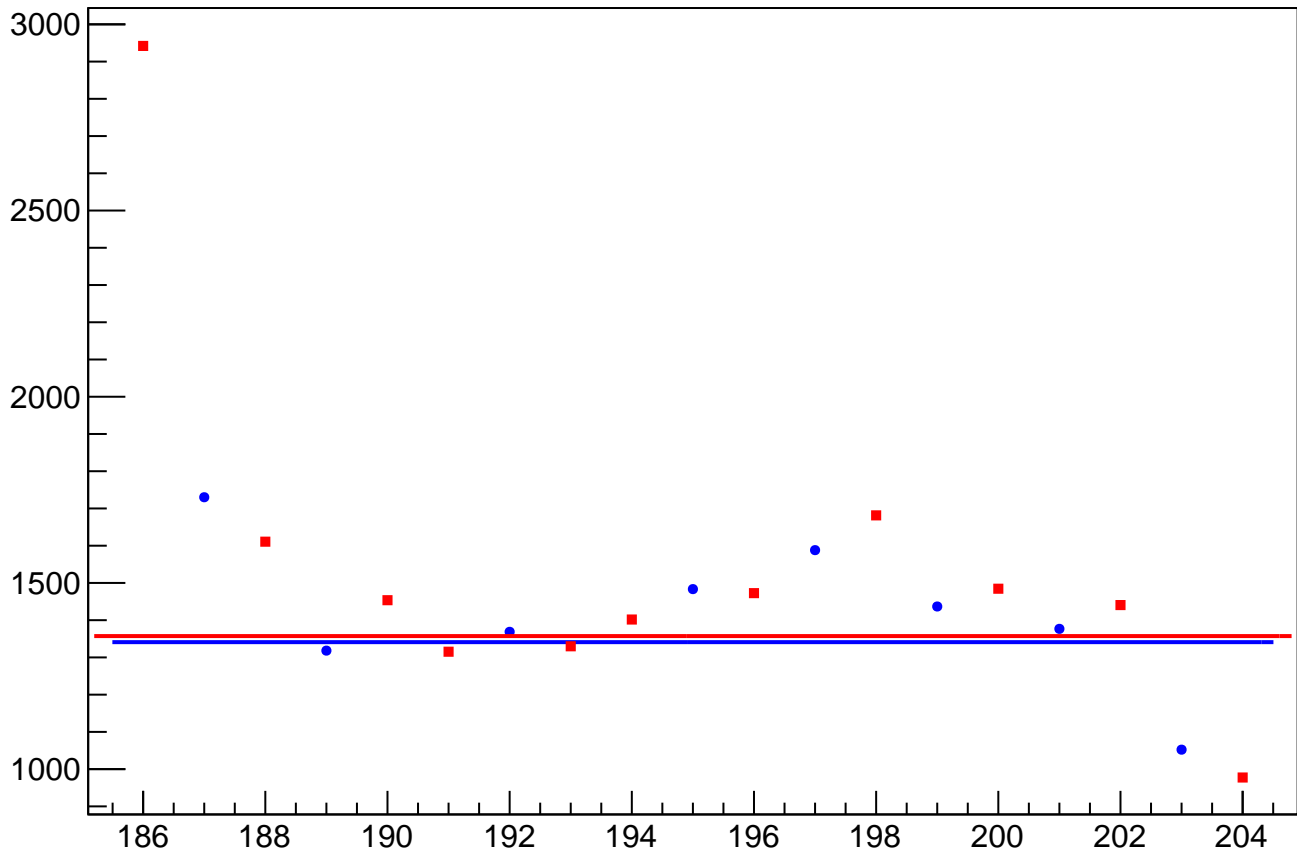
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-572.445 \pm 399.913$   $\chi^2/\text{NDF}: 17.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam\_15\_48\_dd\_rms vs Slug



Right In: 1341.000+/-0.425  $\chi^2$ /NDF: 196477.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1357.291+/-0.379  $\chi^2$ /NDF: 556728.6/10

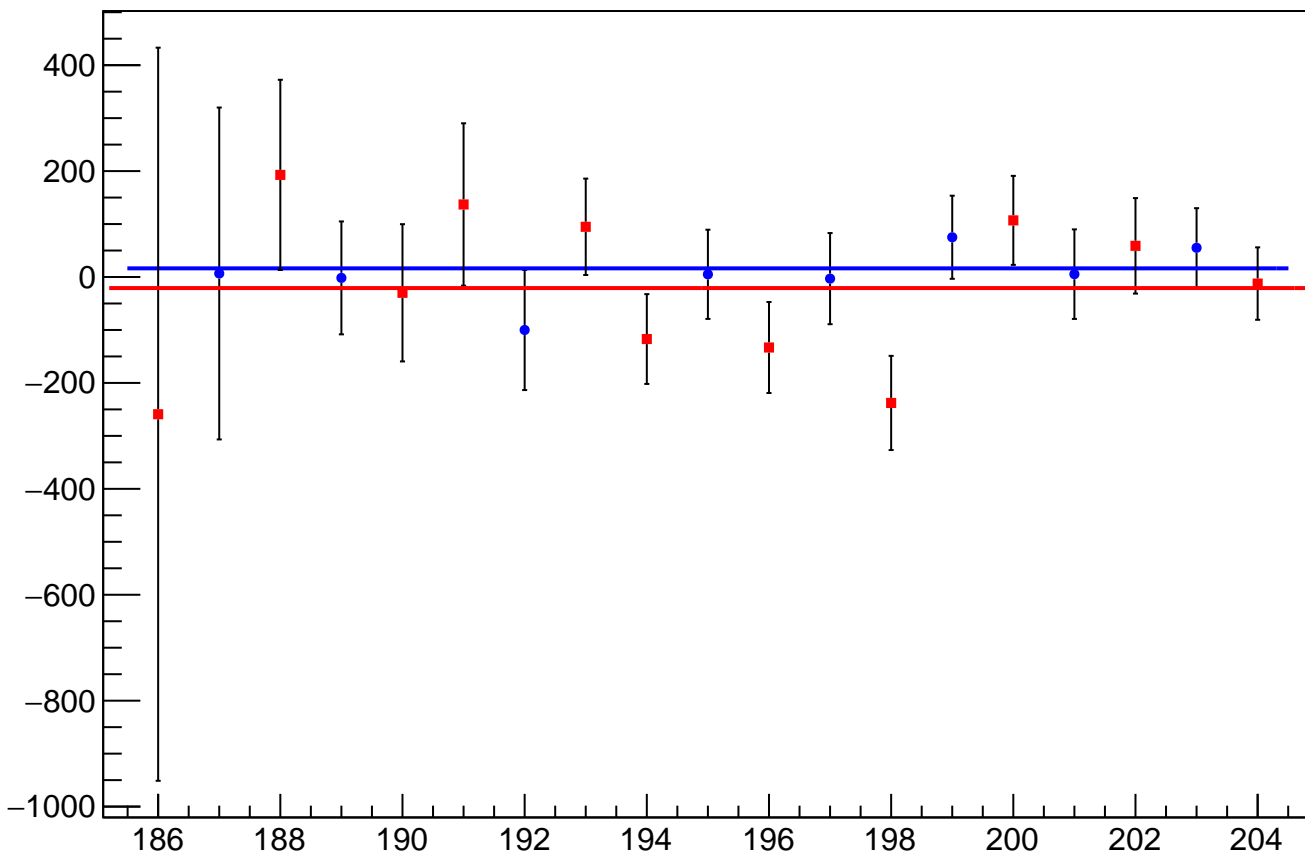
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1350.067+/-0.283  $\chi^2$ /NDF: 754025.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_48\_dd\_mean vs Slug



Right In: 16.346+/-32.741  $\chi^2$ /NDF: 2.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -20.892+/-29.676  $\chi^2$ /NDF: 16.3/10

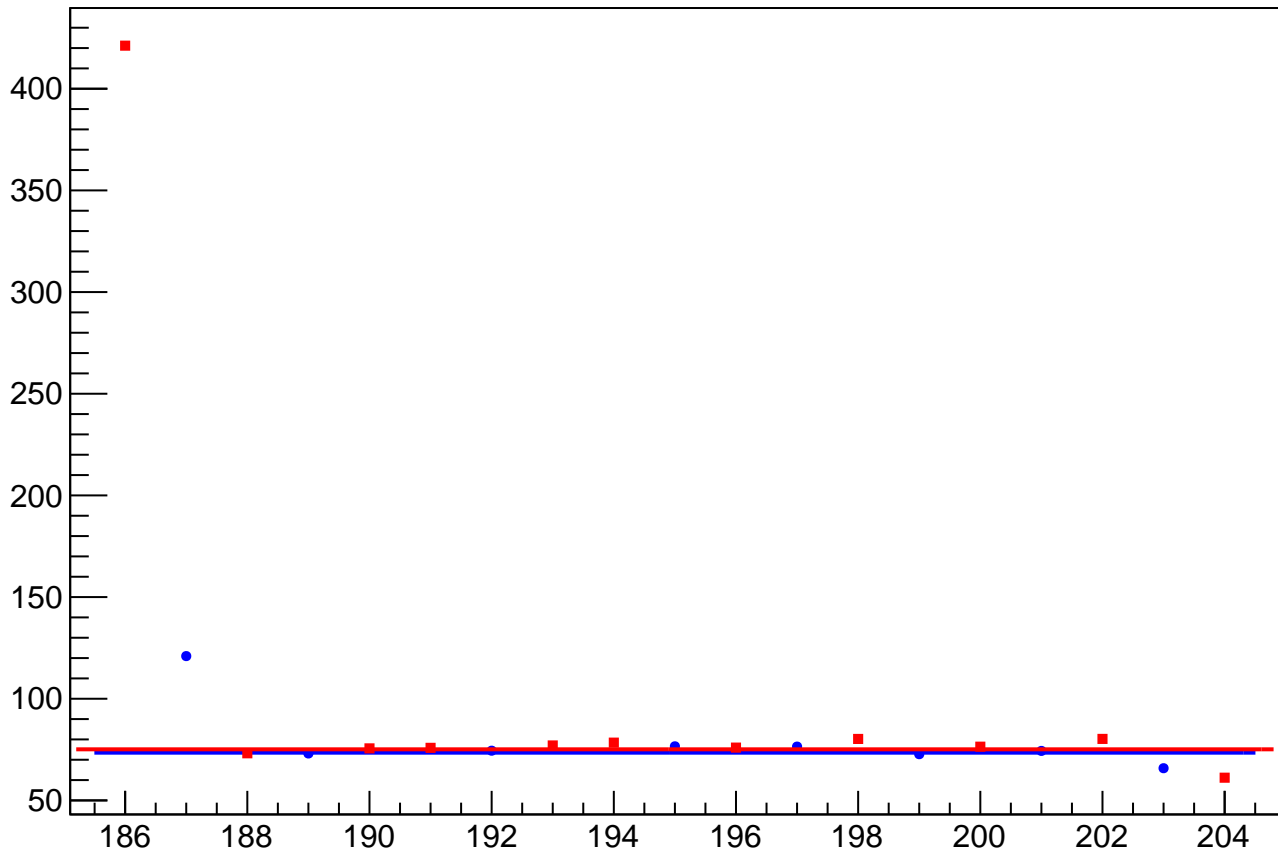
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -4.097+/-21.988  $\chi^2$ /NDF: 19.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_48\_dd\_rms vs Slug



Right In: 73.481 $\pm$ 0.023  $\chi^2$ /NDF: 72518.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 75.126 $\pm$ 0.021  $\chi^2$ /NDF: 601080.7/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

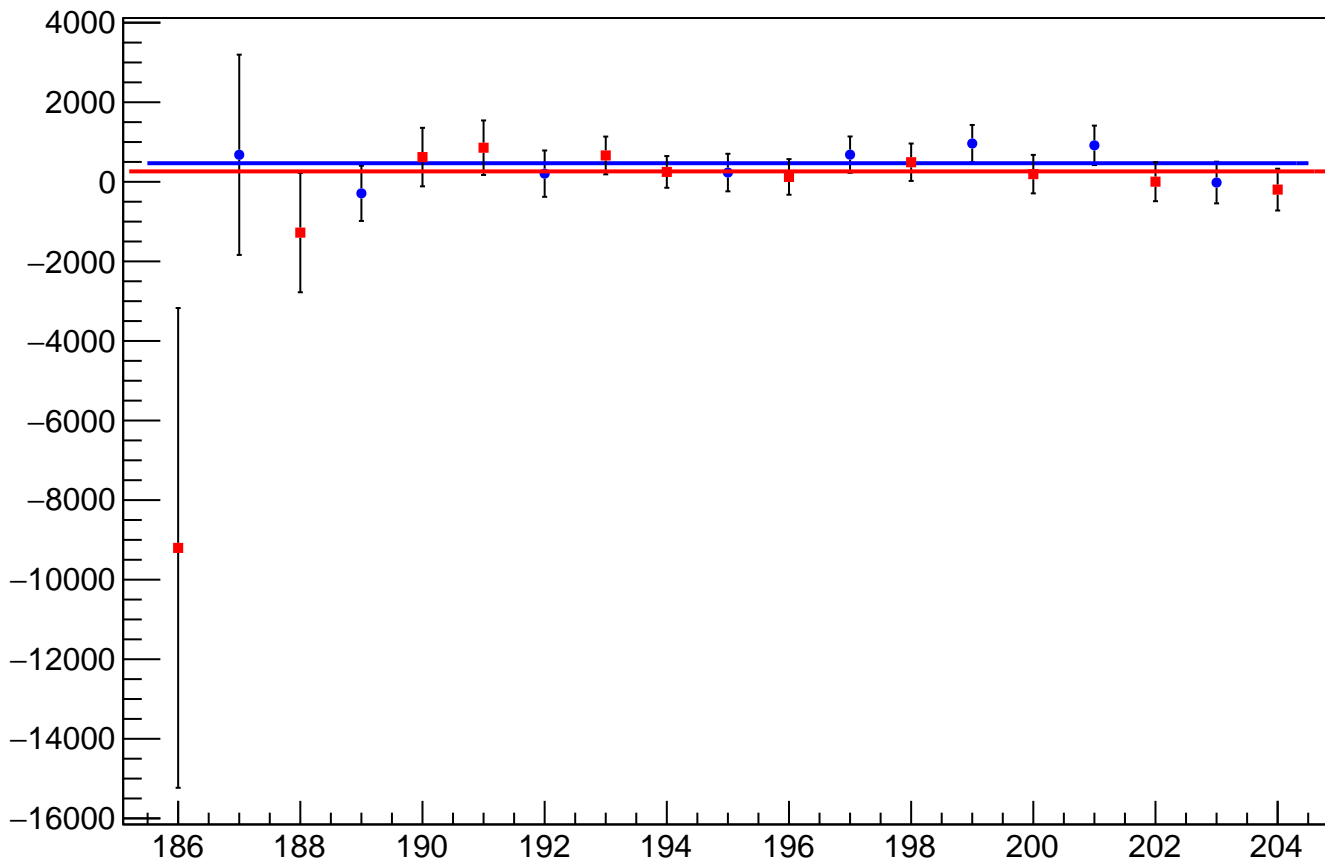
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 74.384 $\pm$ 0.016  $\chi^2$ /NDF: 676368.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_37\_48\_dd\_correction\_mean vs Slug



Right In: 467.526 $\pm$ 193.225  $\chi^2$ /NDF: 4.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 262.112 $\pm$ 164.918  $\chi^2$ /NDF: 6.6/10

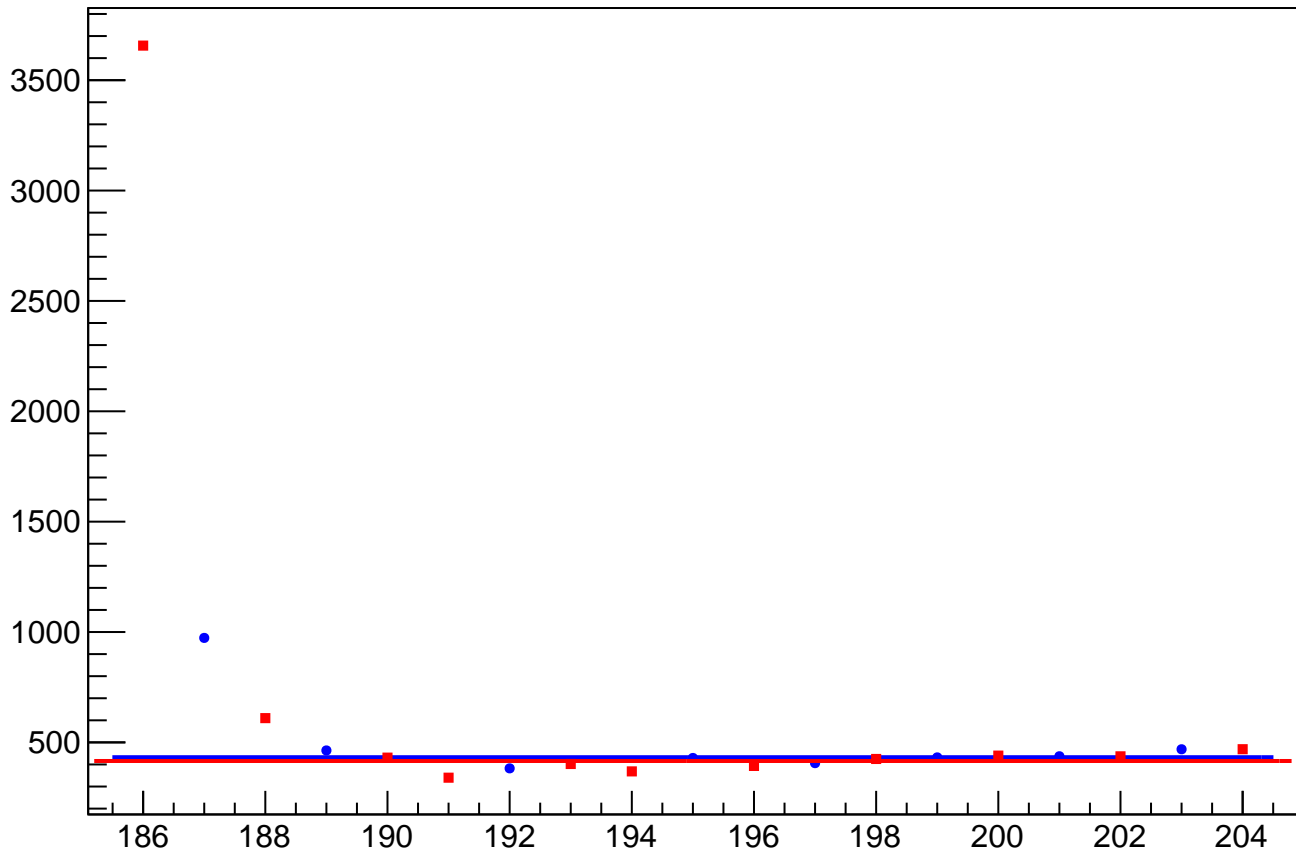
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 348.684 $\pm$ 125.440  $\chi^2$ /NDF: 12.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_48\_dd\_correction\_rms vs Slug



Right In: 432.887 $\pm$ 0.137  $\chi^2$ /NDF: 127802.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 415.748 $\pm$ 0.117  $\chi^2$ /NDF: 701434.3/10

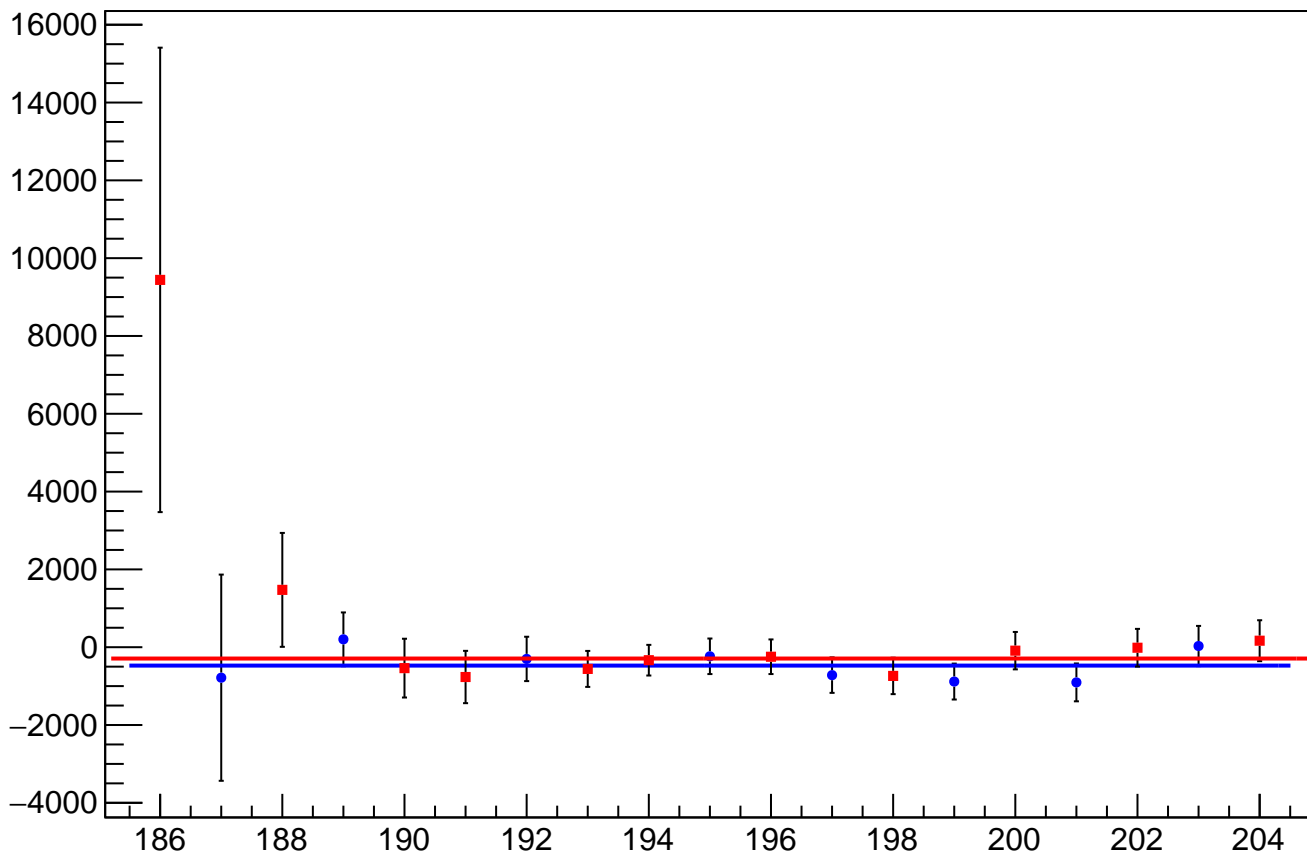
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 422.971 $\pm$ 0.089  $\chi^2$ /NDF: 838339.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_48\_dd\_mean vs Slug



Right In:  $-472.832 \pm 190.442$   $\chi^2/\text{NDF}: 4.1/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-291.329 \pm 163.554$   $\chi^2/\text{NDF}: 7.2/10$

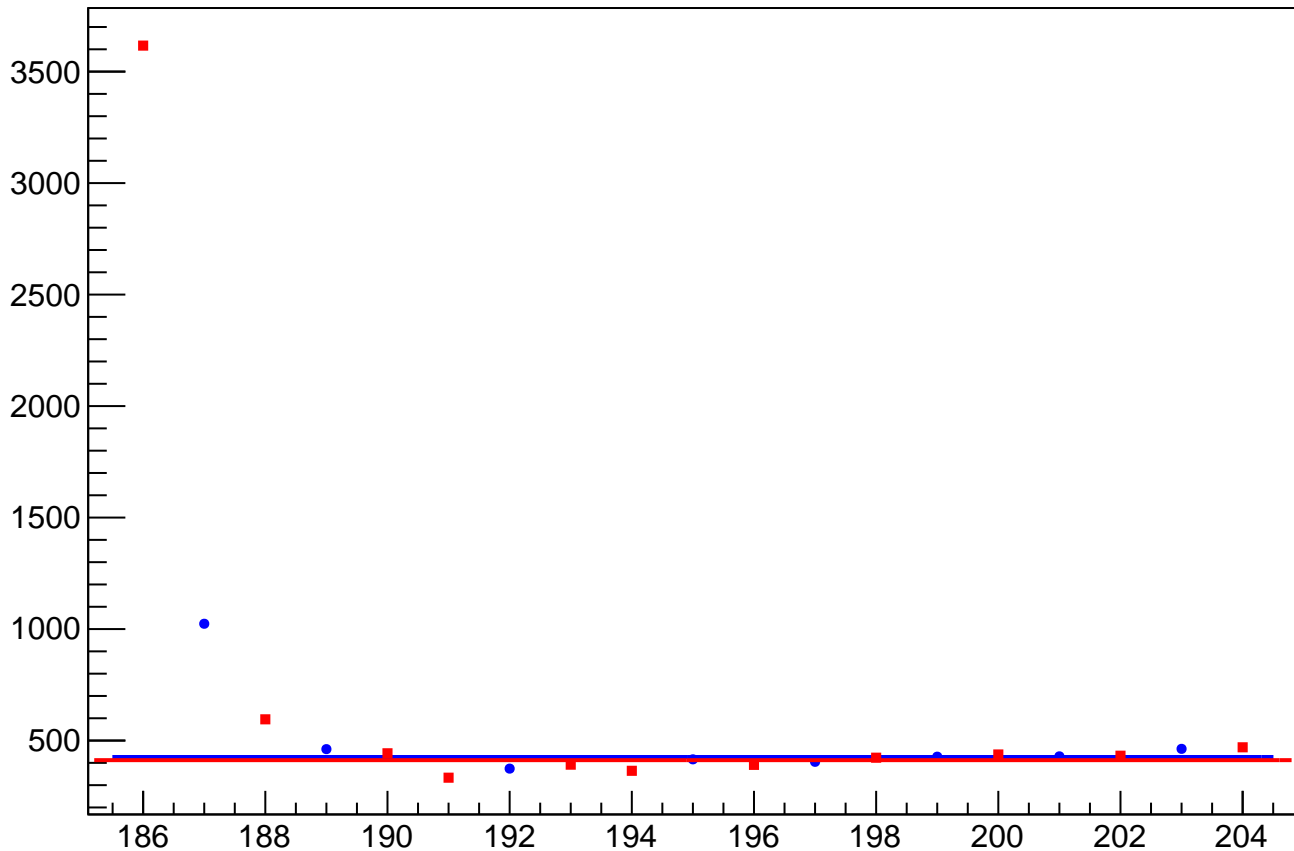
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-368.373 \pm 124.077$   $\chi^2/\text{NDF}: 11.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam\_37\_48\_dd\_rms vs Slug



Right In: 426.277 $\pm$ 0.135  $\chi^2$ /NDF: 139226.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 412.145 $\pm$ 0.116  $\chi^2$ /NDF: 710207.2/10

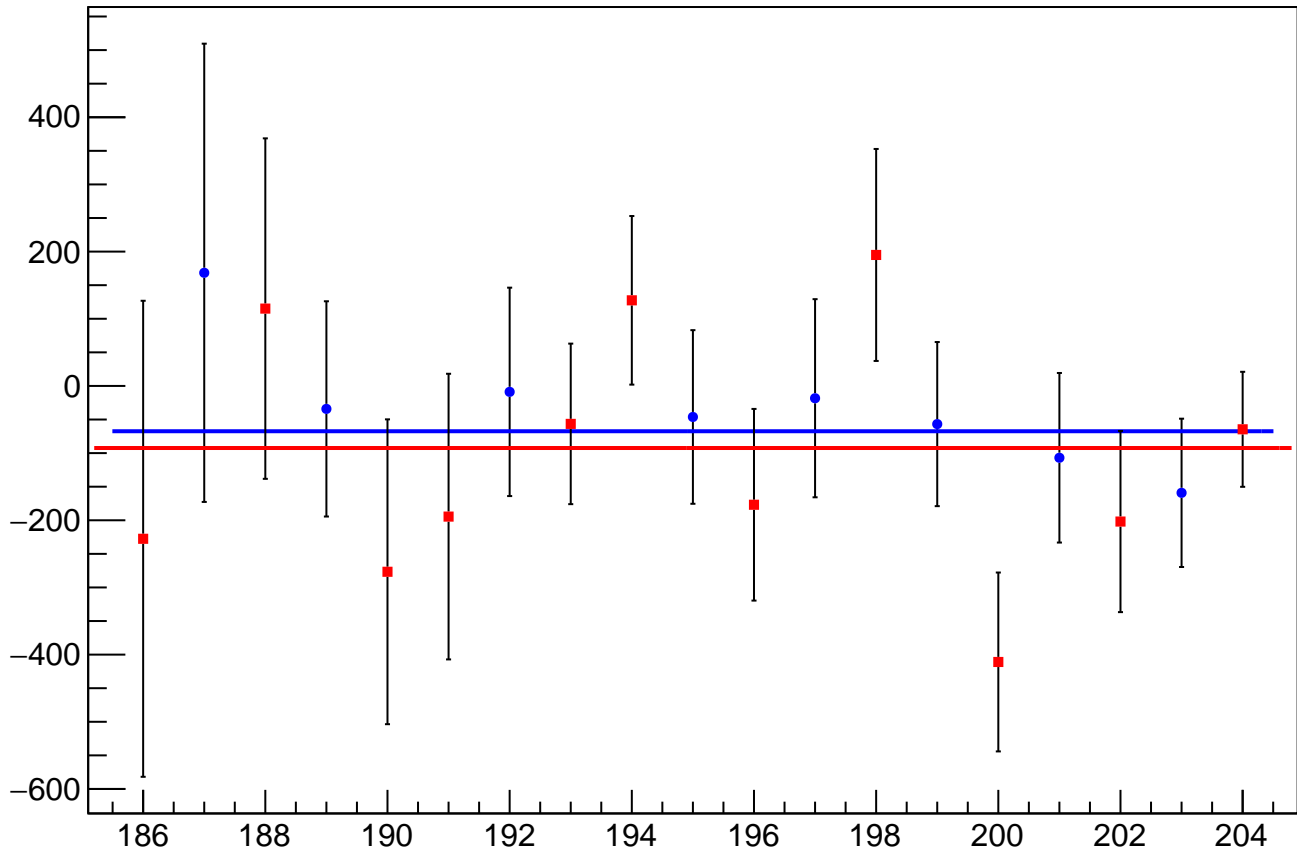
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 418.144 $\pm$ 0.088  $\chi^2$ /NDF: 855772.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_26\_dd\_mean vs Slug



Right In:  $-67.443 \pm 49.584$   $\chi^2/\text{NDF}$ : 1.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-92.411 \pm 43.205$   $\chi^2/\text{NDF}$ : 15.0/10

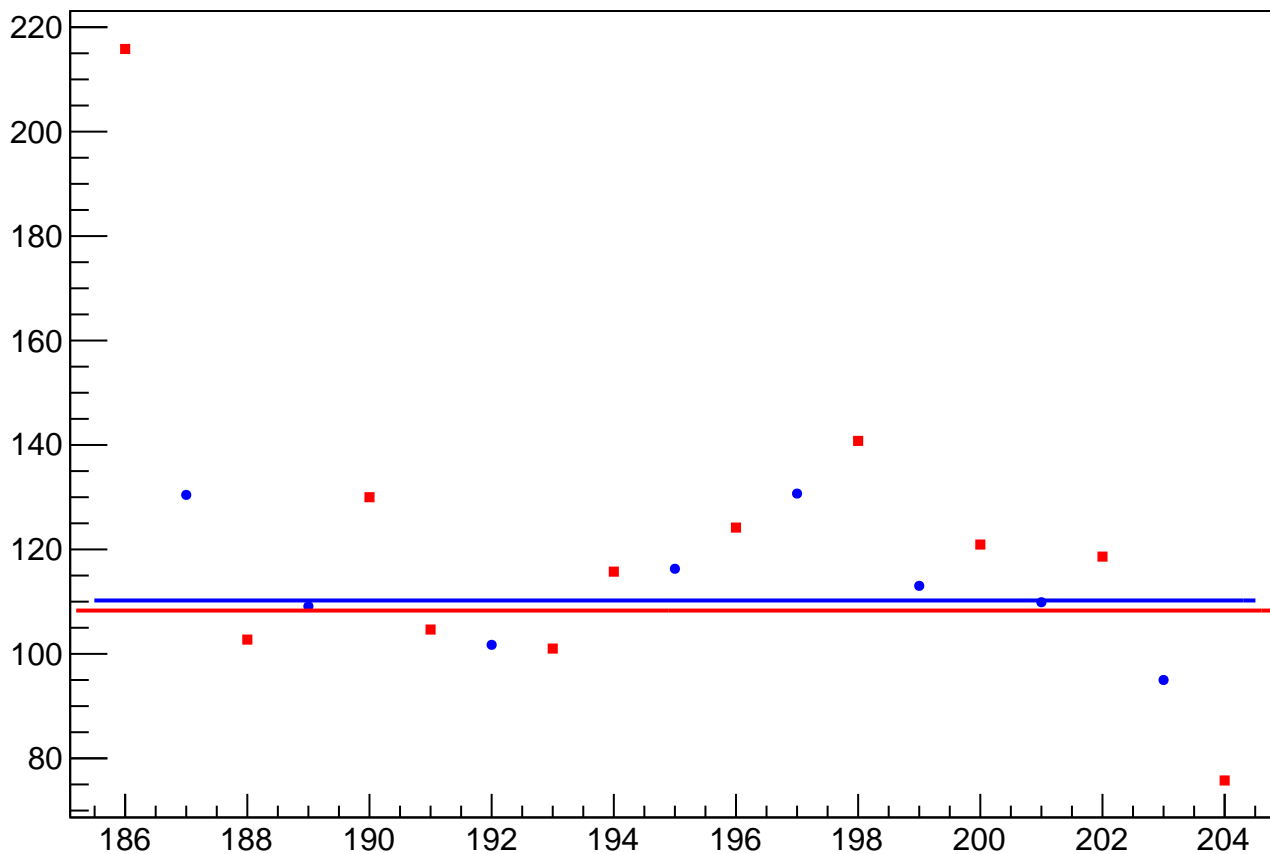
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-81.635 \pm 32.574$   $\chi^2/\text{NDF}$ : 16.8/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_26\_dd\_rms vs Slug



Right In: 110.226 $\pm$ 0.035  $\chi^2$ /NDF: 95154.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 108.296 $\pm$ 0.031  $\chi^2$ /NDF: 646738.3/10

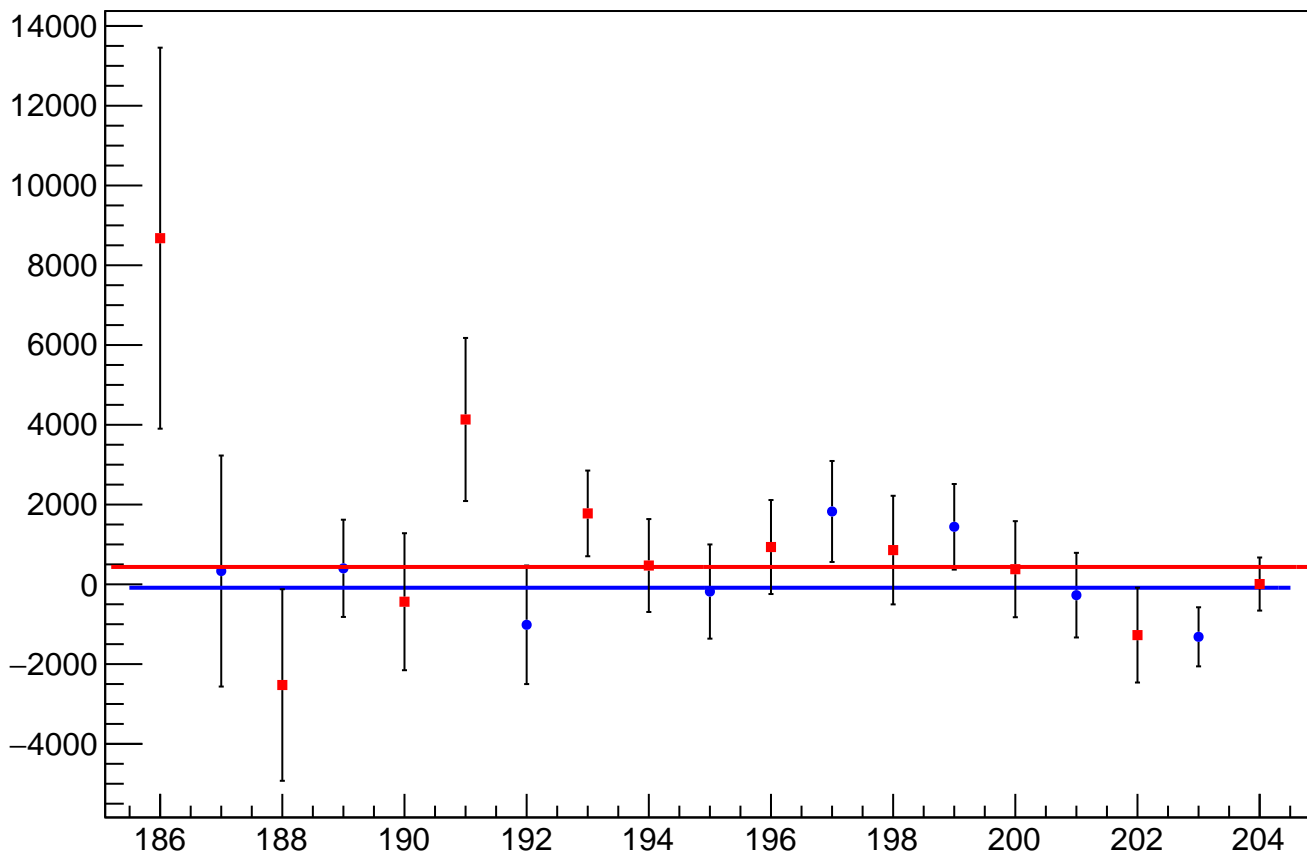
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 109.129 $\pm$ 0.023  $\chi^2$ /NDF: 743613.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_26\_dd\_correction\_mean vs Slug



Right In: -85.525+/-402.730  $\chi^2/\text{NDF}$ : 7.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 435.712+/-369.811  $\chi^2/\text{NDF}$ : 12.3/10

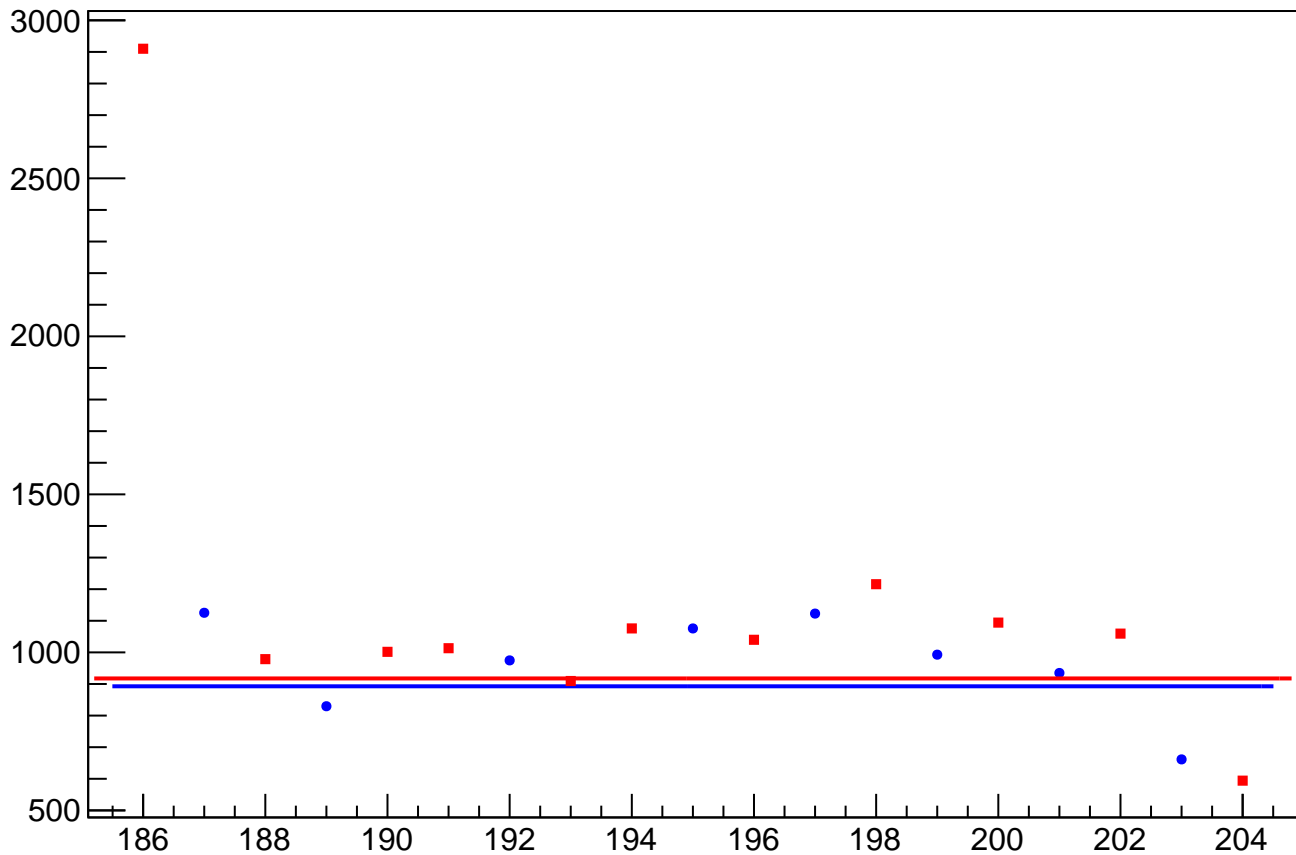
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 197.264+/-272.391  $\chi^2/\text{NDF}$ : 20.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_26\_dd\_correction\_rms vs Slug



Right In: 892.671+/-0.285  $\chi^2/\text{NDF}$ : 354024.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 917.525+/-0.261  $\chi^2/\text{NDF}$ : 1056684.3/10

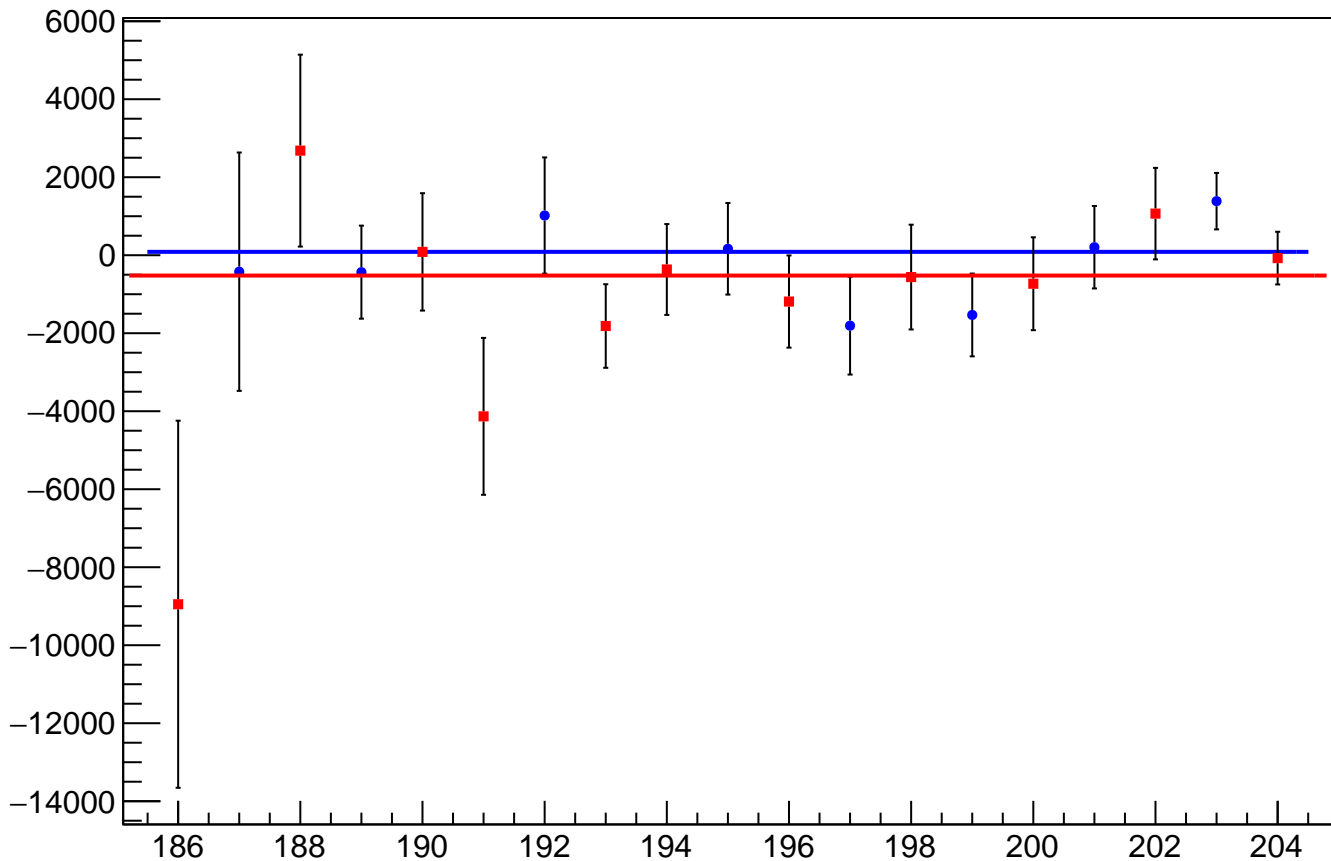
All: 906.155+/-0.193  $\chi^2/\text{NDF}$ : 1414841.1/18

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_15\_26\_dd\_mean vs Slug



Right In: 86.296+/-398.077  $\chi^2$ /NDF: 8.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -521.672+/-367.594  $\chi^2$ /NDF: 12.4/10

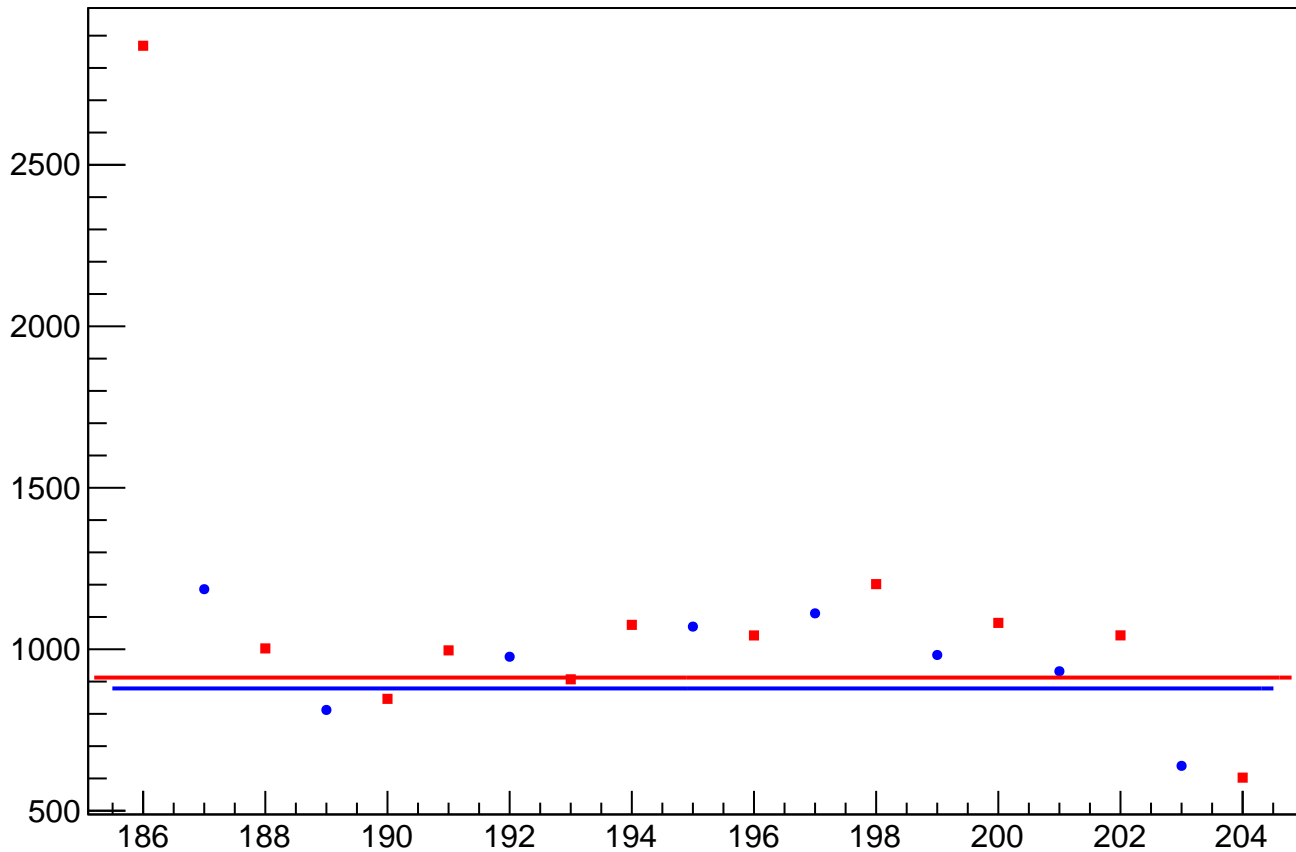
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -241.854+/-270.063  $\chi^2$ /NDF: 22.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_26\_dd\_rms vs Slug



Right In:  $878.682 \pm 0.281$   $\chi^2/\text{NDF}: 400351.6/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $912.349 \pm 0.260$   $\chi^2/\text{NDF}: 998132.7/10$

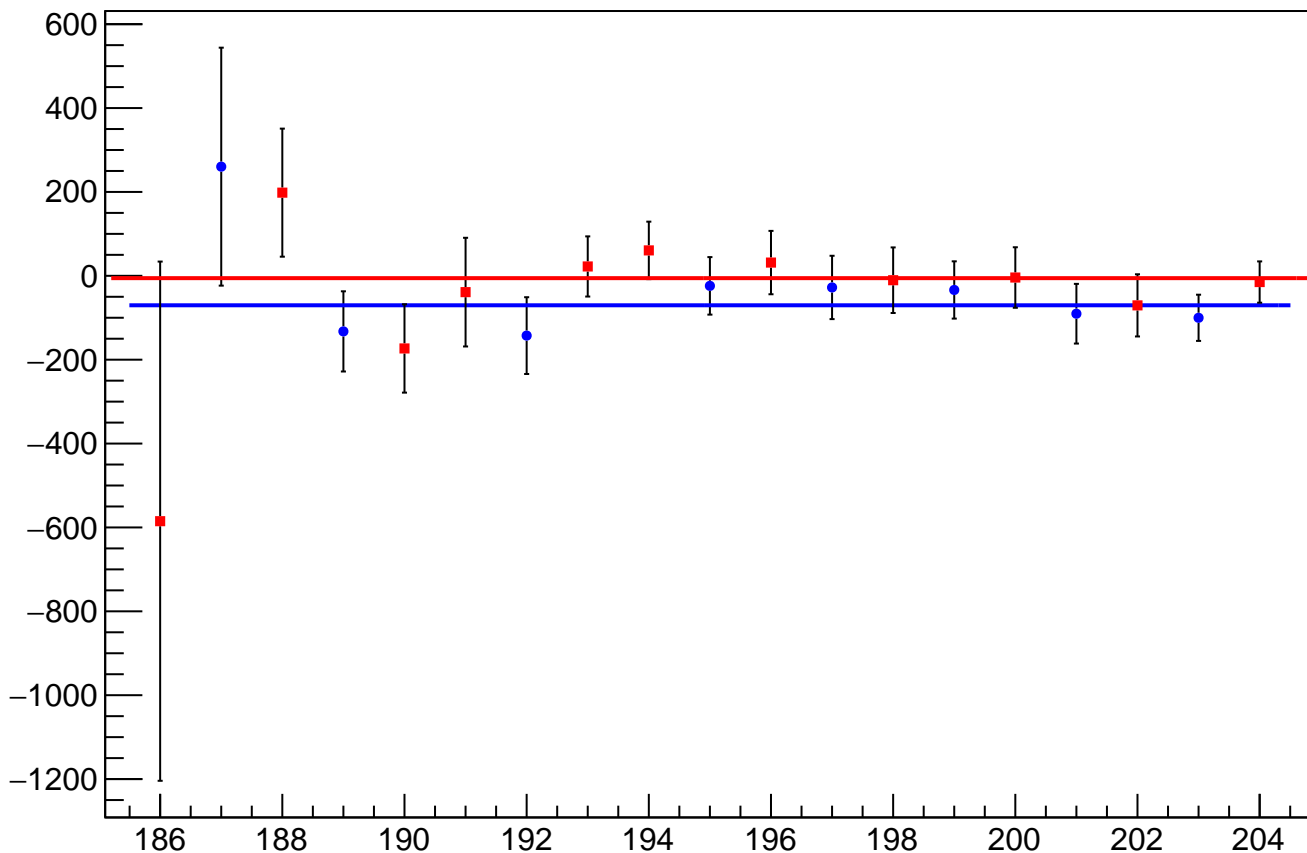
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $896.854 \pm 0.191$   $\chi^2/\text{NDF}: 1406205.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_asym\_sam\_37\_26\_dd\_mean vs Slug



Right In:  $-70.278 \pm 27.010$   $\chi^2/\text{NDF}$ : 3.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-5.575 \pm 24.057$   $\chi^2/\text{NDF}$ : 7.4/10

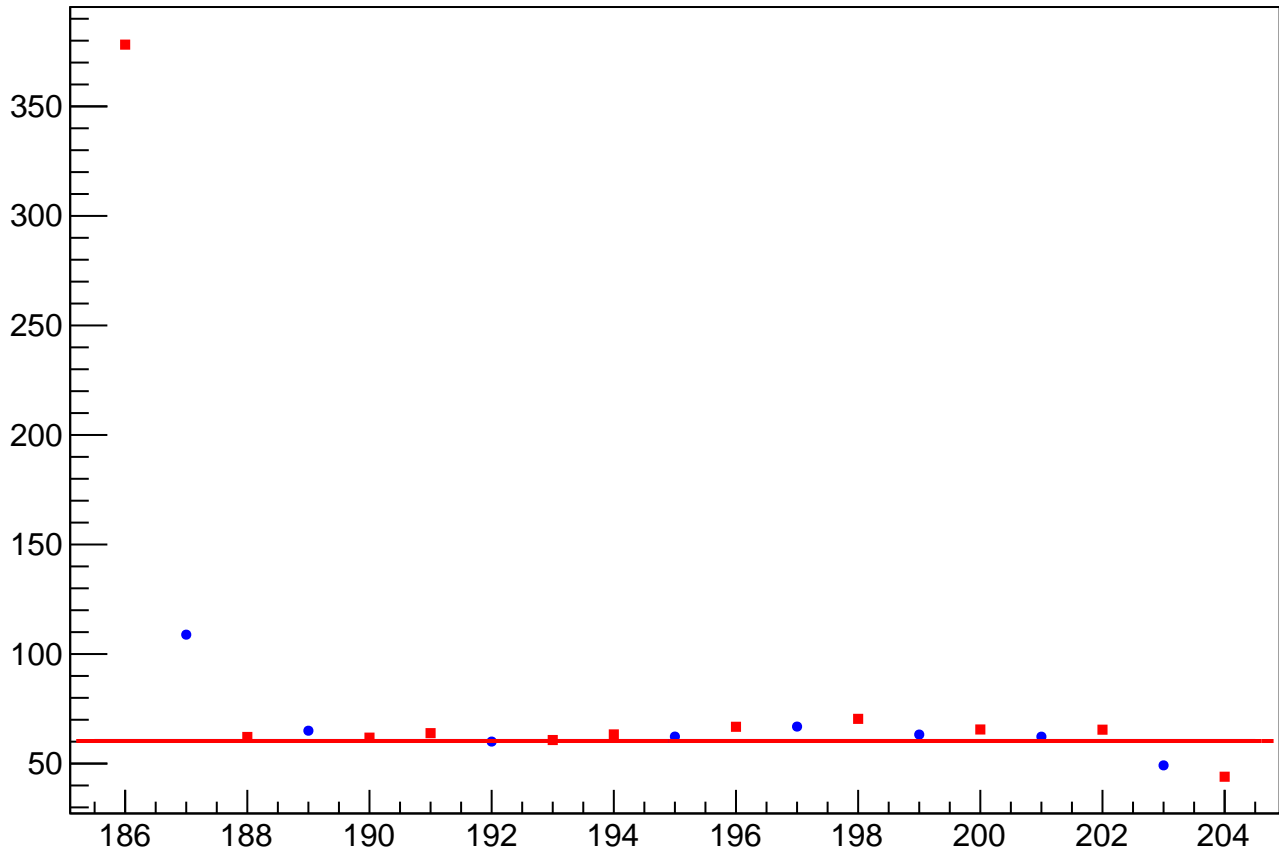
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-34.197 \pm 17.965$   $\chi^2/\text{NDF}$ : 14.4/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_26\_dd\_rms vs Slug



Right In: 60.320+/-0.019  $\chi^2$ /NDF: 167185.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 60.303+/-0.017  $\chi^2$ /NDF: 821562.2/10

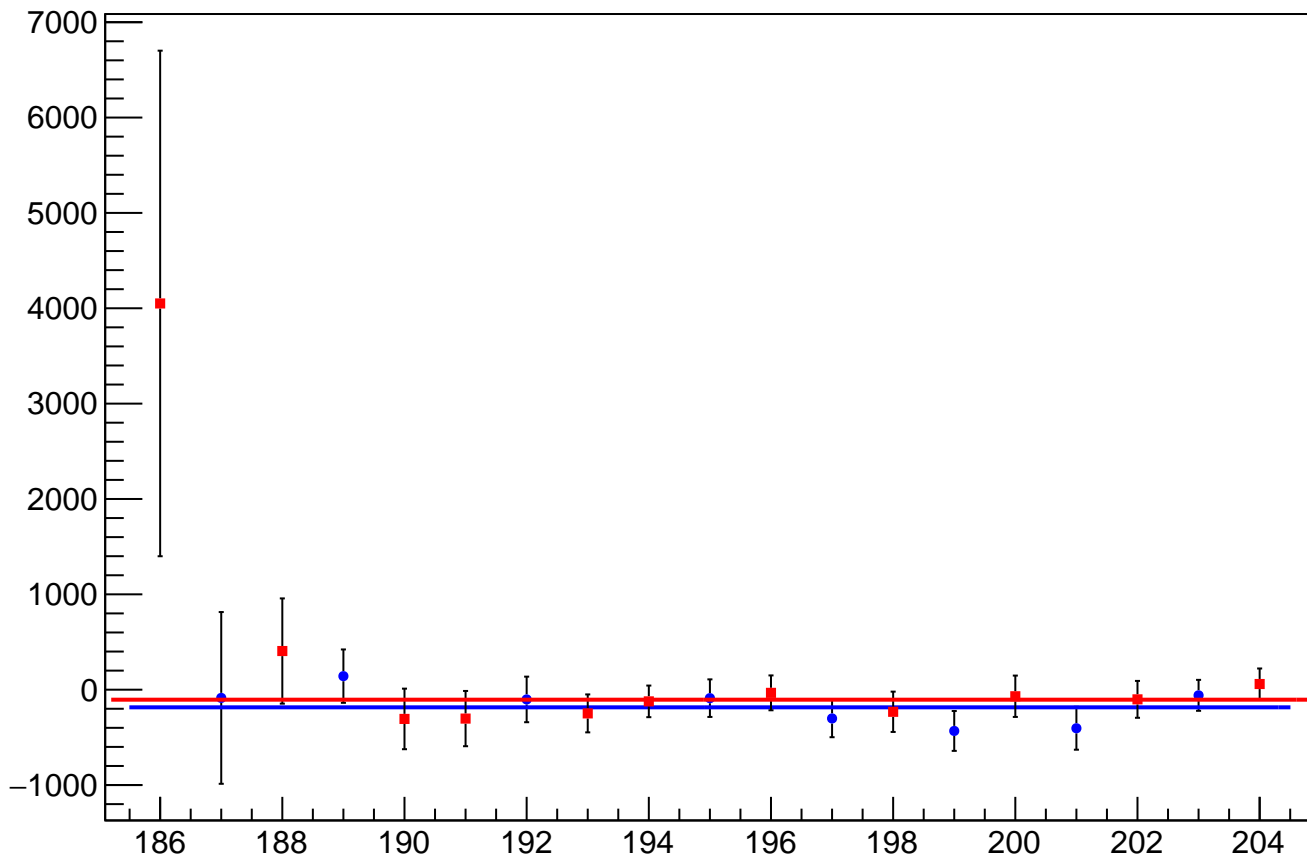
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 60.310+/-0.013  $\chi^2$ /NDF: 988748.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_26\_dd\_correction\_mean vs Slug



Right In:  $-184.980 \pm 78.156$   $\chi^2/\text{NDF}: 5.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-104.862 \pm 66.677$   $\chi^2/\text{NDF}: 6.3/10$

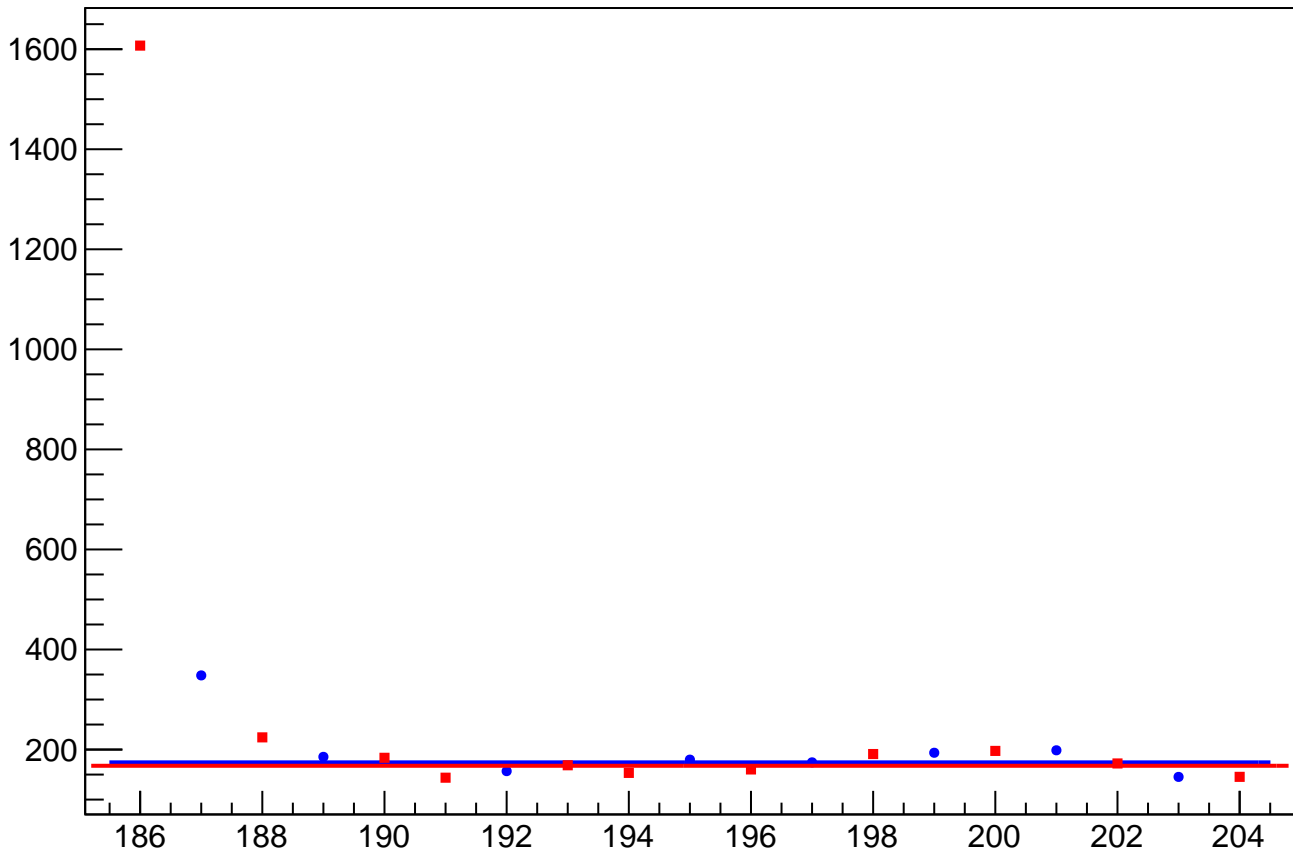
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-138.611 \pm 50.725$   $\chi^2/\text{NDF}: 11.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# asym\_sam\_37\_26\_dd\_correction\_rms vs Slug



Right In: 174.415 $\pm$ 0.055  $\chi^2$ /NDF: 193834.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 167.582 $\pm$ 0.047  $\chi^2$ /NDF: 747885.5/10

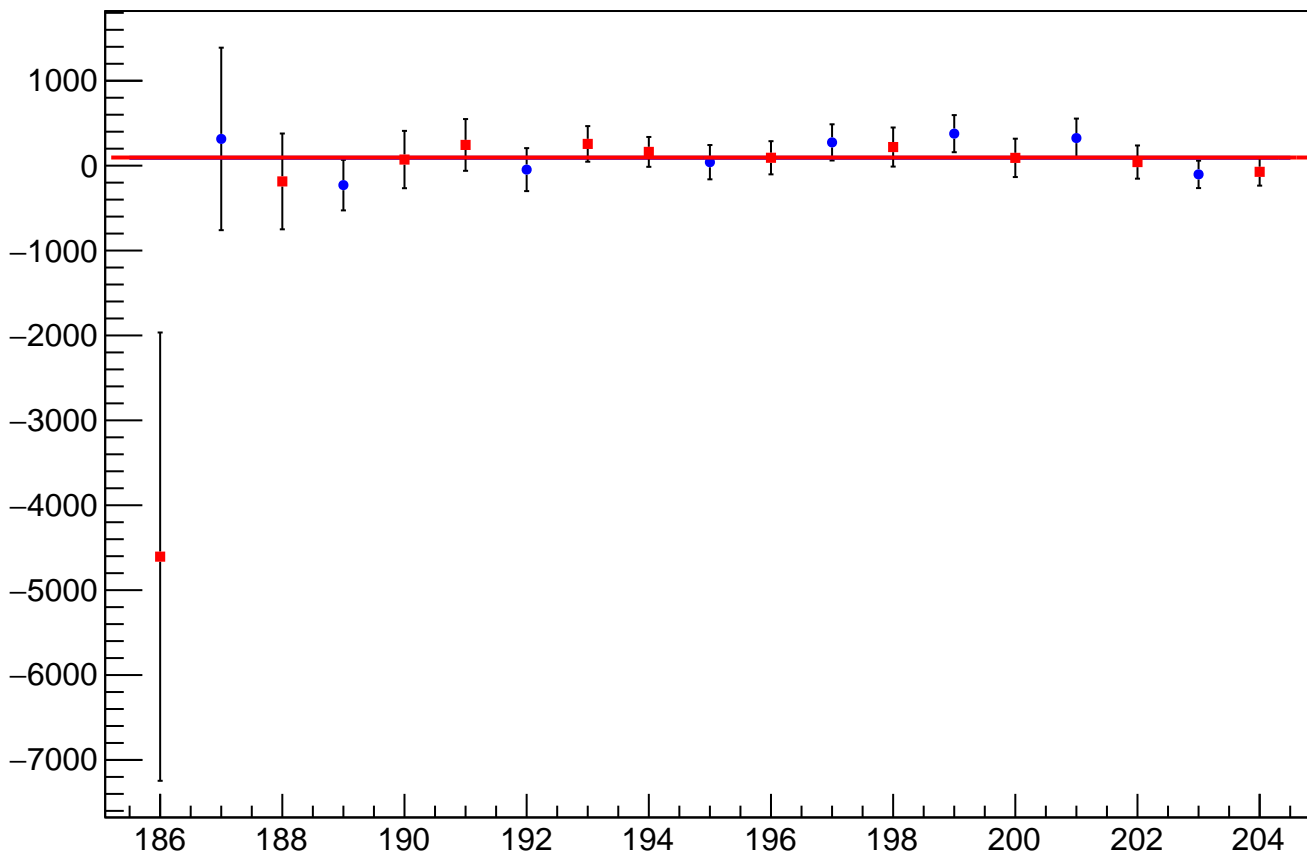
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 170.460 $\pm$ 0.036  $\chi^2$ /NDF: 950569.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_26\_dd\_mean vs Slug



Right In: 92.639 $\pm$ 80.975  $\chi^2$ /NDF: 6.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 95.831 $\pm$ 69.594  $\chi^2$ /NDF: 5.8/10

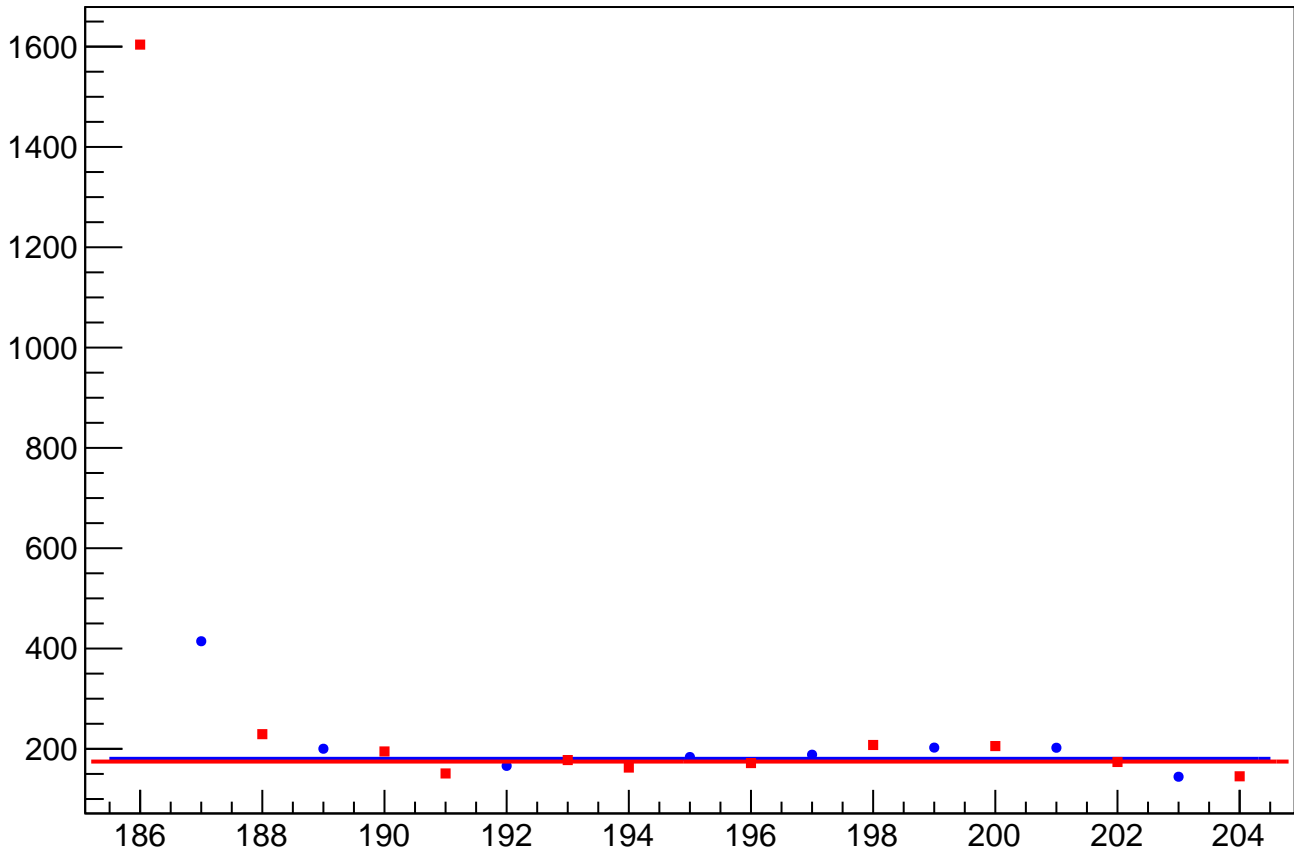
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 94.475 $\pm$ 52.779  $\chi^2$ /NDF: 12.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_26\_dd\_rms vs Slug



Right In: 180.119 $\pm$ 0.057  $\chi^2$ /NDF: 251381.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 174.647 $\pm$ 0.049  $\chi^2$ /NDF: 778292.6/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

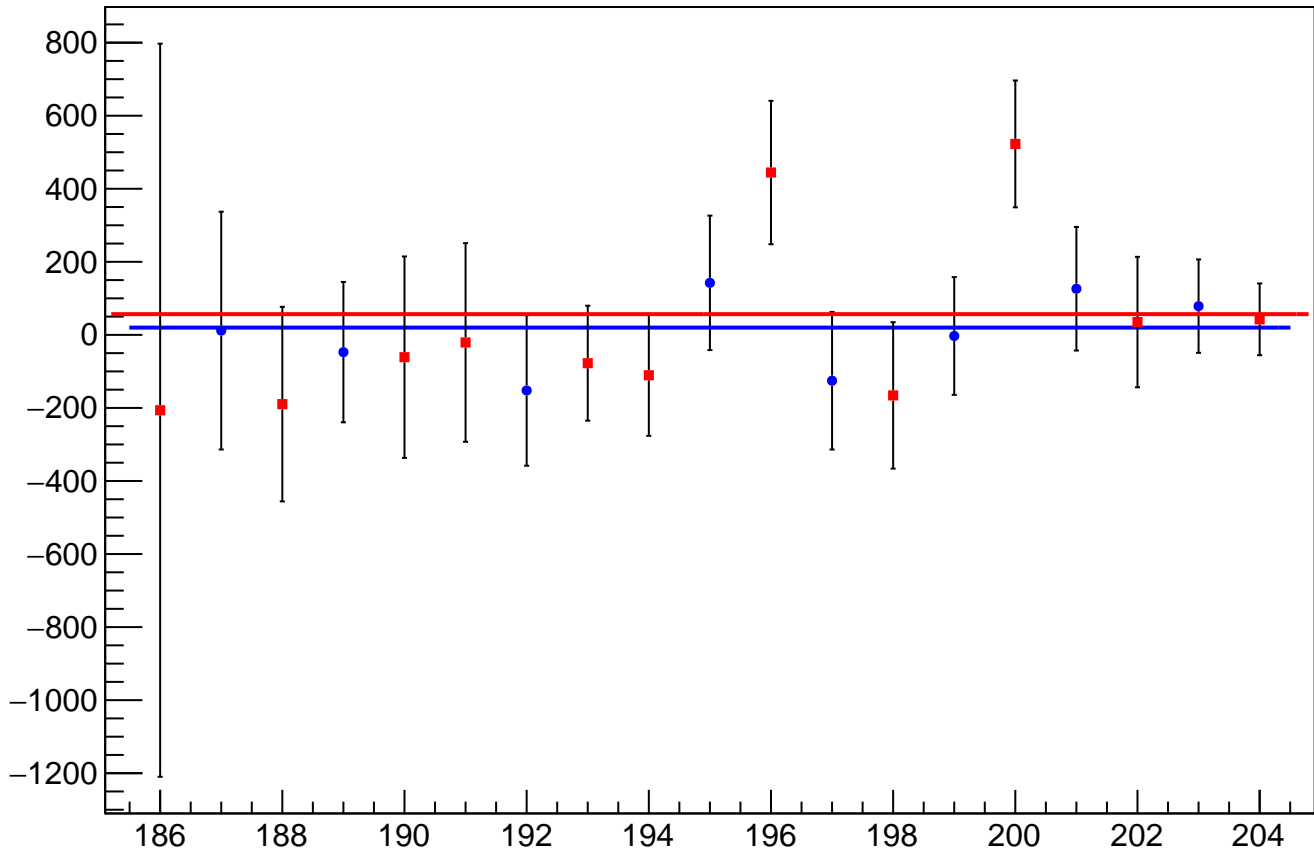
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 176.972 $\pm$ 0.037  $\chi^2$ /NDF: 1034924.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_sam\_1357\_avg\_mean vs Slug



Right In: 19.920 $\pm$ 62.952  $\chi^2$ /NDF: 2.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 56.762 $\pm$ 54.426  $\chi^2$ /NDF: 15.3/10

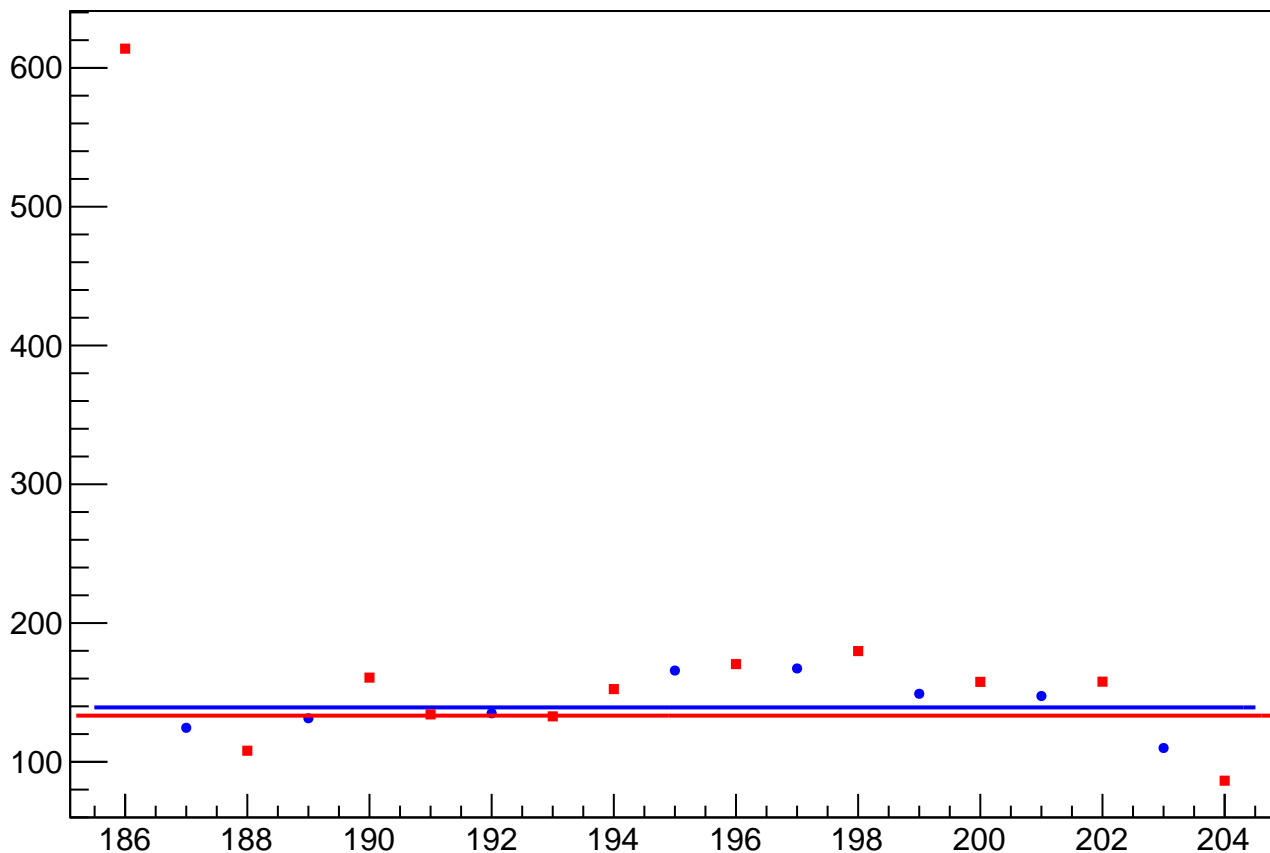
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 41.003 $\pm$ 41.172  $\chi^2$ /NDF: 18.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1357\_avg\_rms vs Slug



Right In: 139.221+/-0.045  $\chi^2/\text{NDF}$ : 211143.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

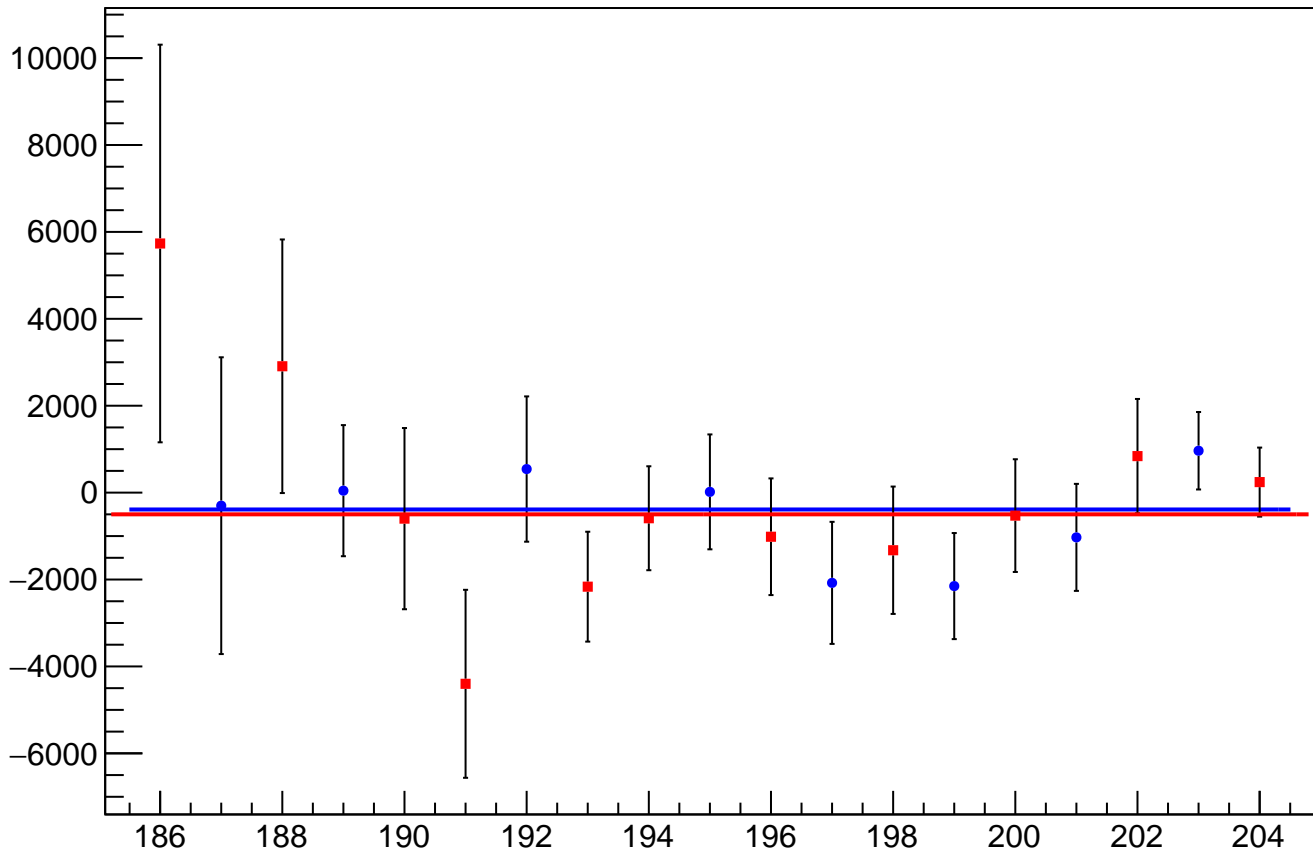
Right Out: 133.305+/-0.038  $\chi^2/\text{NDF}$ : 1235041.4/10

All: 135.835+/-0.029  $\chi^2/\text{NDF}$ : 1456293.4/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1357\_avg\_correction\_mean vs Slug



Right In: -387.834+/-468.747  $\chi^2$ /NDF: 6.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -499.711+/-418.430  $\chi^2$ /NDF: 10.6/10

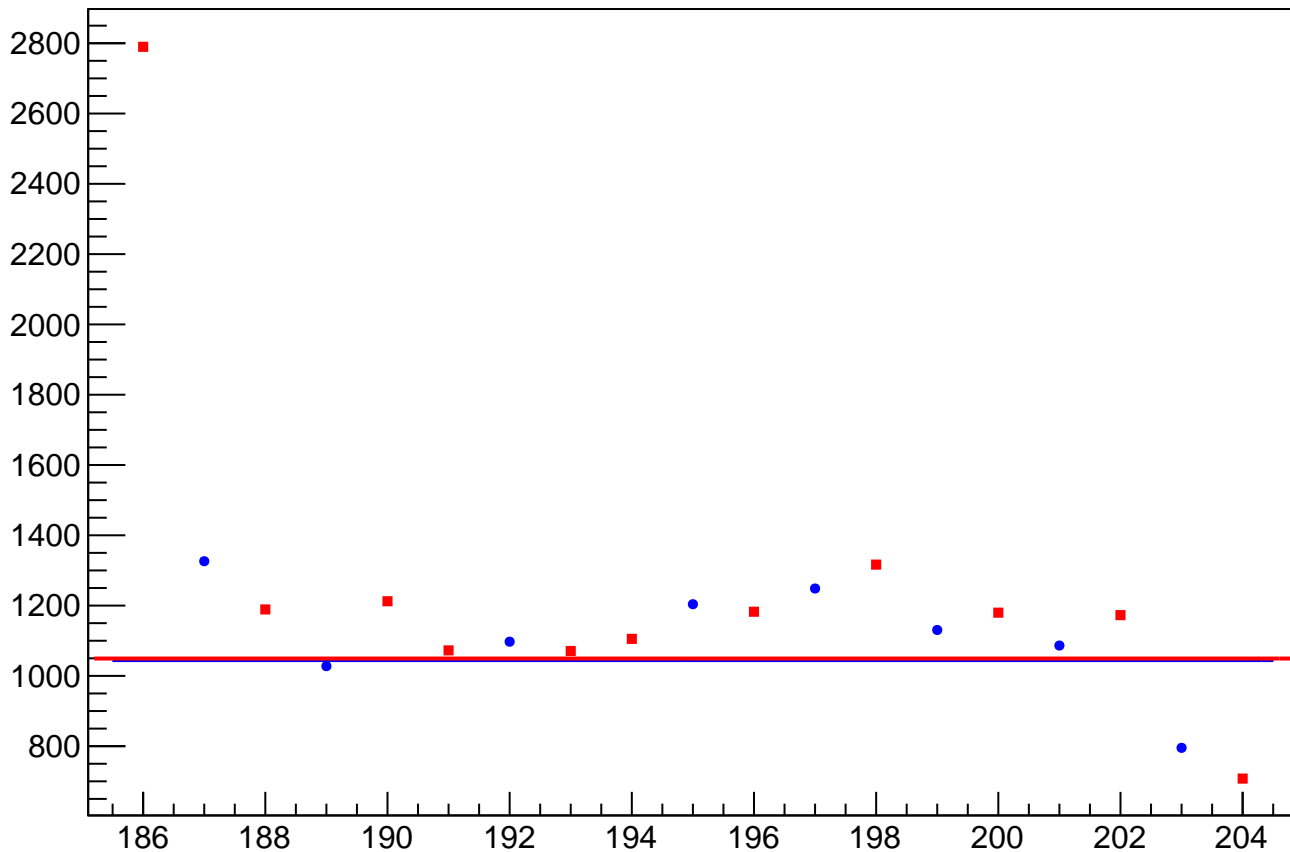
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -450.097+/-312.154  $\chi^2$ /NDF: 17.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_avg\_correction\_rms vs Slug



Right In: 1044.958 $\pm$ 0.331  $\chi^2$ /NDF: 255746.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

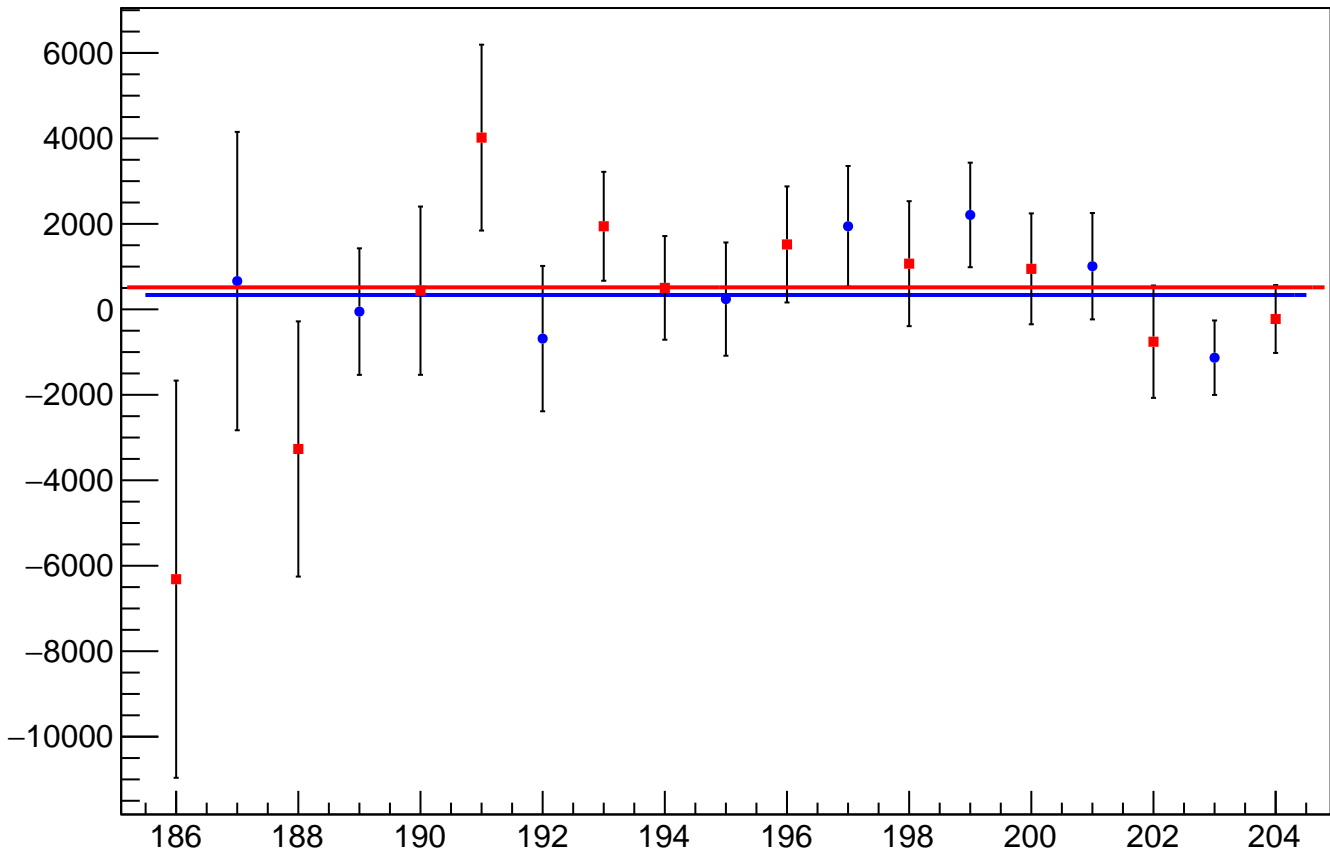
Right Out: 1049.385 $\pm$ 0.296  $\chi^2$ /NDF: 805456.8/10

All: 1047.422 $\pm$ 0.221  $\chi^2$ /NDF: 1061302.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

# asym\_sam\_1357\_avg\_mean vs Slug



Right In: 336.441+/-466.927  $\chi^2$ /NDF: 7.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 515.084+/-419.147  $\chi^2$ /NDF: 10.2/10

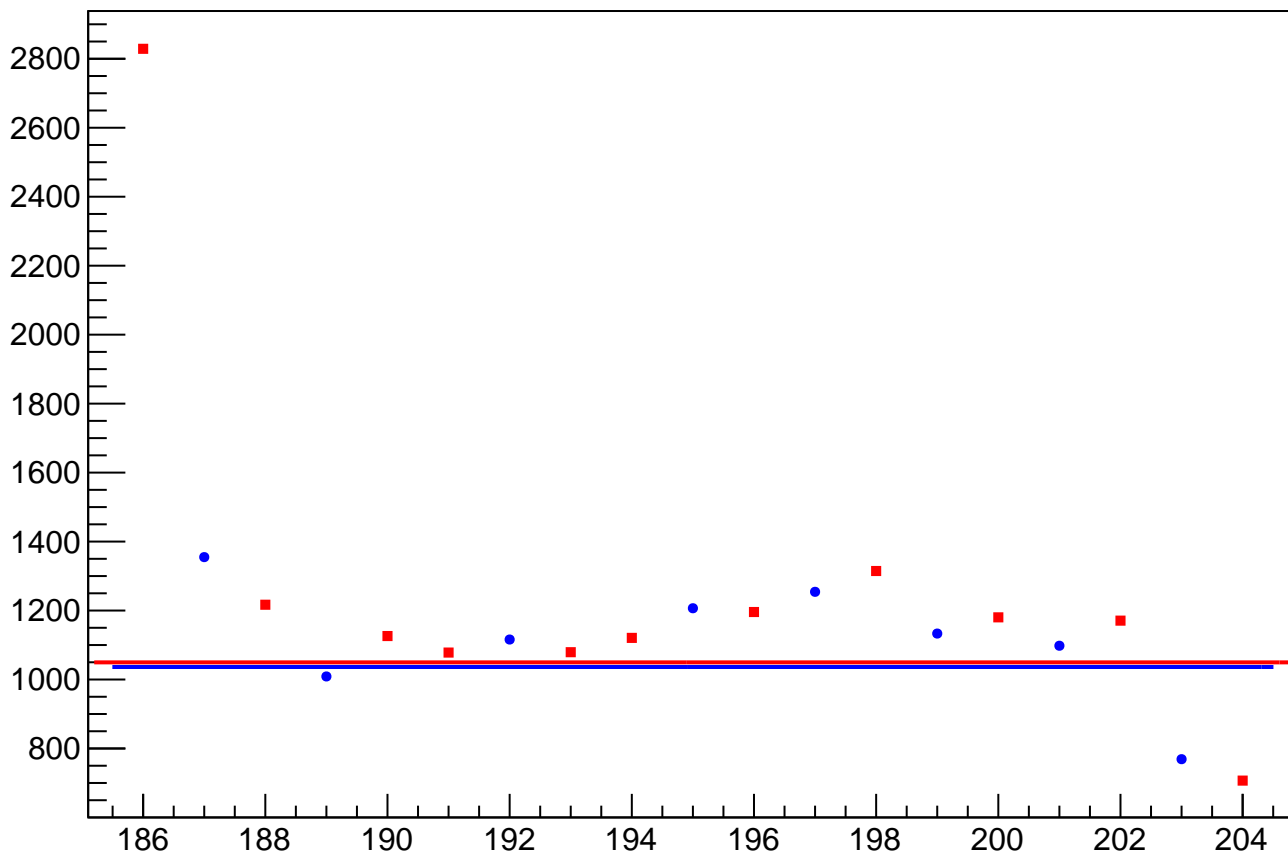
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 435.367+/-311.910  $\chi^2$ /NDF: 17.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_avg\_rms vs Slug



Right In: 1036.316 $\pm$ 0.330  $\chi^2$ /NDF: 308266.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

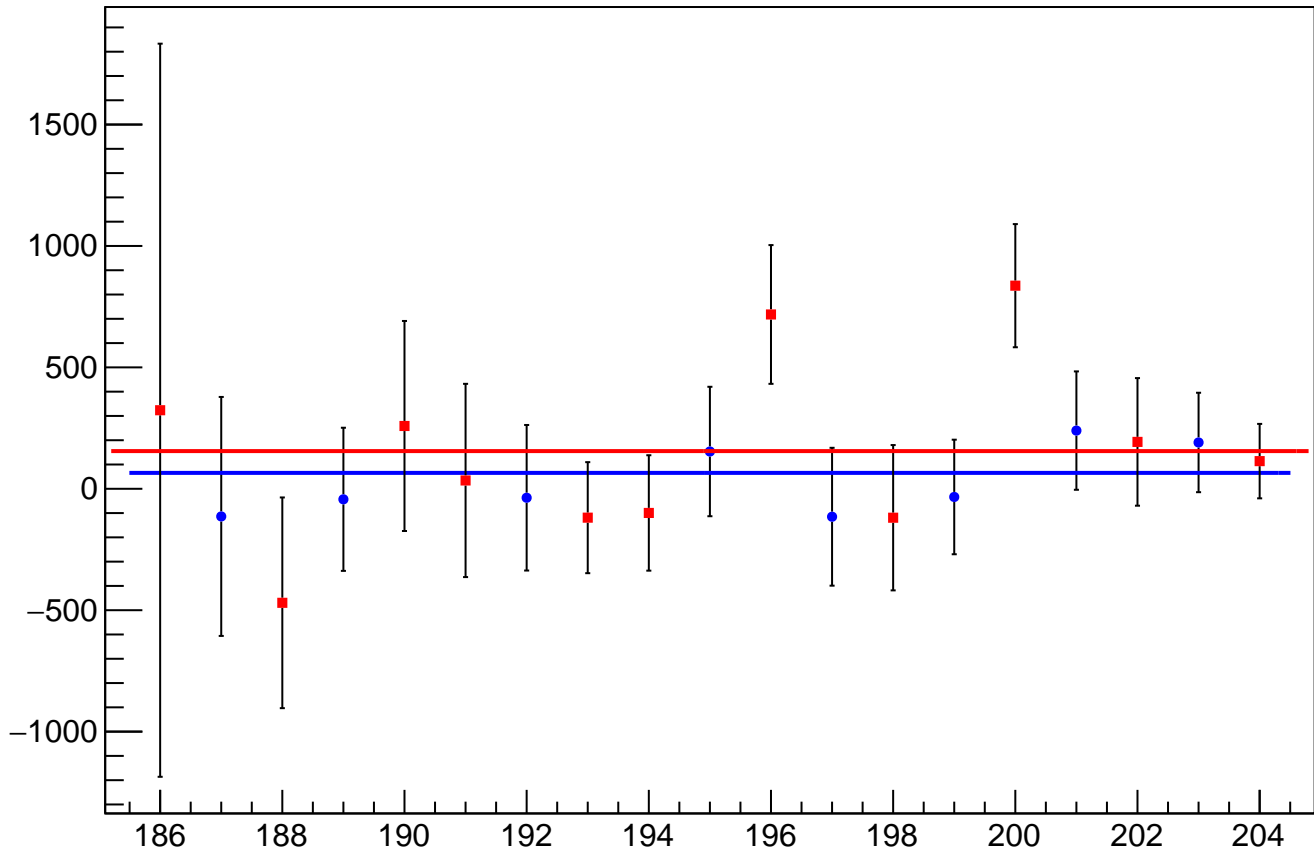
Right Out: 1049.725 $\pm$ 0.296  $\chi^2$ /NDF: 809553.6/10

All: 1043.741 $\pm$ 0.221  $\chi^2$ /NDF: 1118733.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

# dit\_asym\_sam\_2468\_avg\_mean vs Slug



Right In: 65.502 $\pm$ 94.527  $\chi^2$ /NDF: 2.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 155.235 $\pm$ 81.580  $\chi^2$ /NDF: 16.9/10

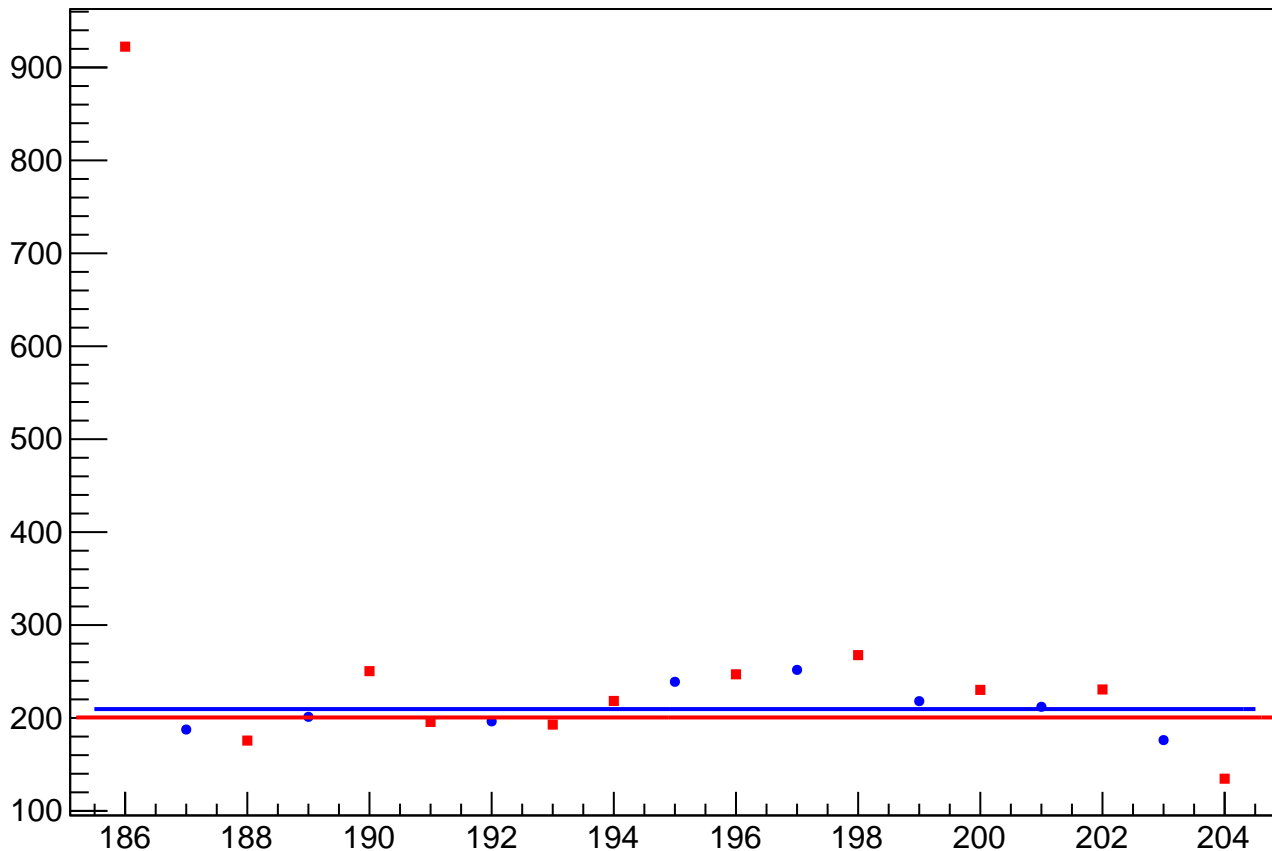
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 116.930 $\pm$ 61.760  $\chi^2$ /NDF: 19.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_2468\_avg\_rms vs Slug



Right In: 209.587 $\pm$ 0.067  $\chi^2$ /NDF: 133886.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 200.561 $\pm$ 0.058  $\chi^2$ /NDF: 1080584.8/10

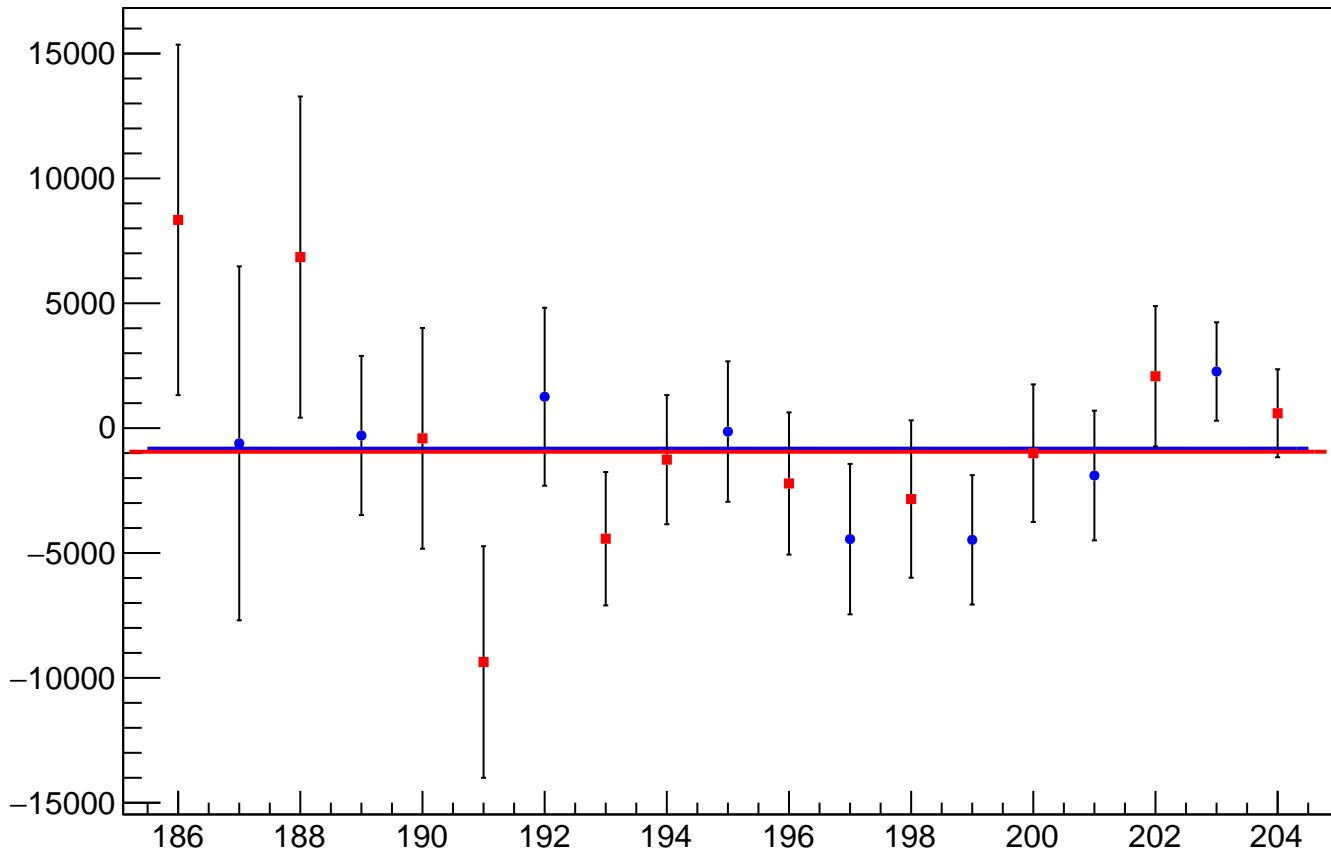
All: 204.414 $\pm$ 0.044  $\chi^2$ /NDF: 1224922.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0



# asym\_sam\_2468\_avg\_correction\_mean vs Slug



Right In: -821.767 $\pm$ 1005.741  $\chi^2$ /NDF: 6.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -944.460 $\pm$ 899.446  $\chi^2$ /NDF: 10.7/10

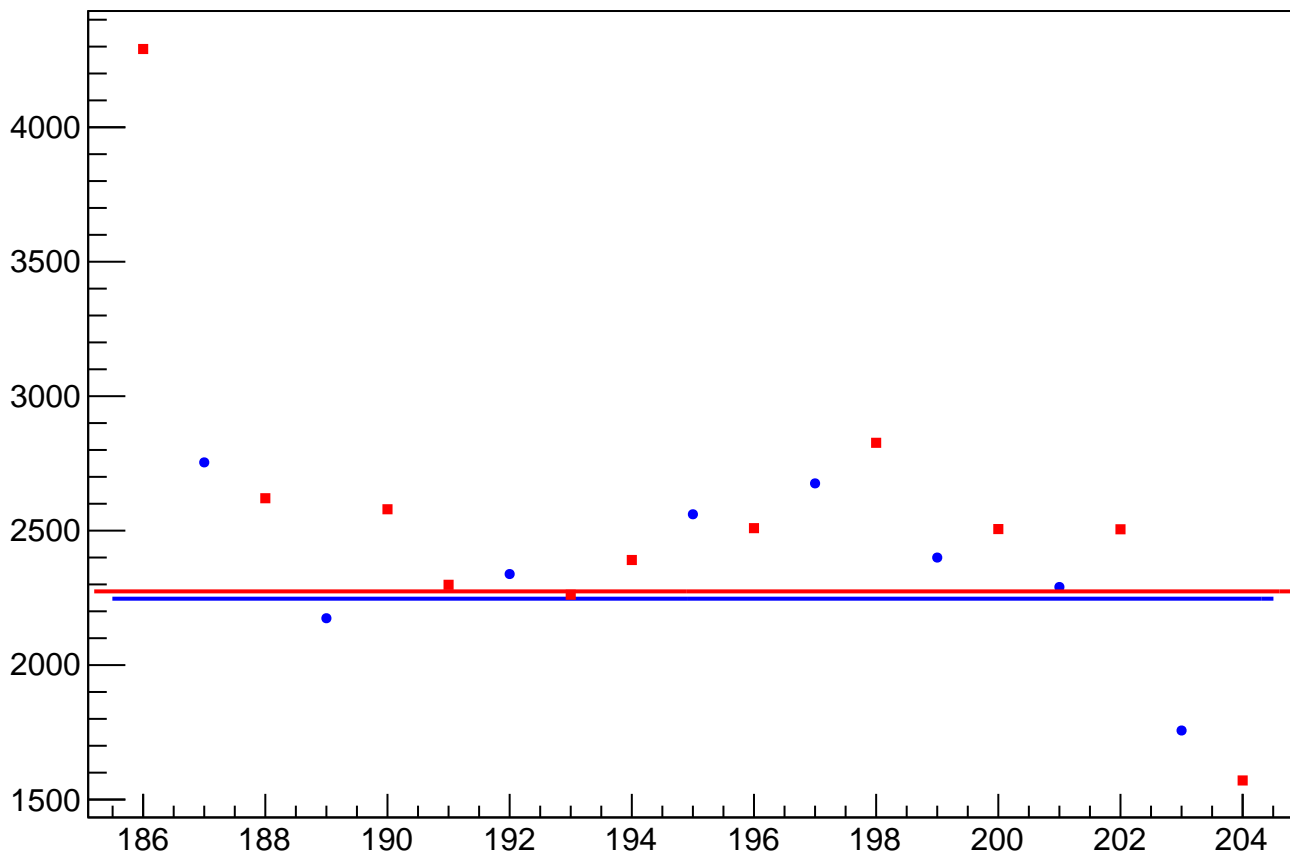
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -889.938 $\pm$ 670.446  $\chi^2$ /NDF: 17.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_2468\_avg\_correction\_rms vs Slug



Right In: 2246.916 $\pm$ 0.711  $\chi^2$ /NDF: 209415.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

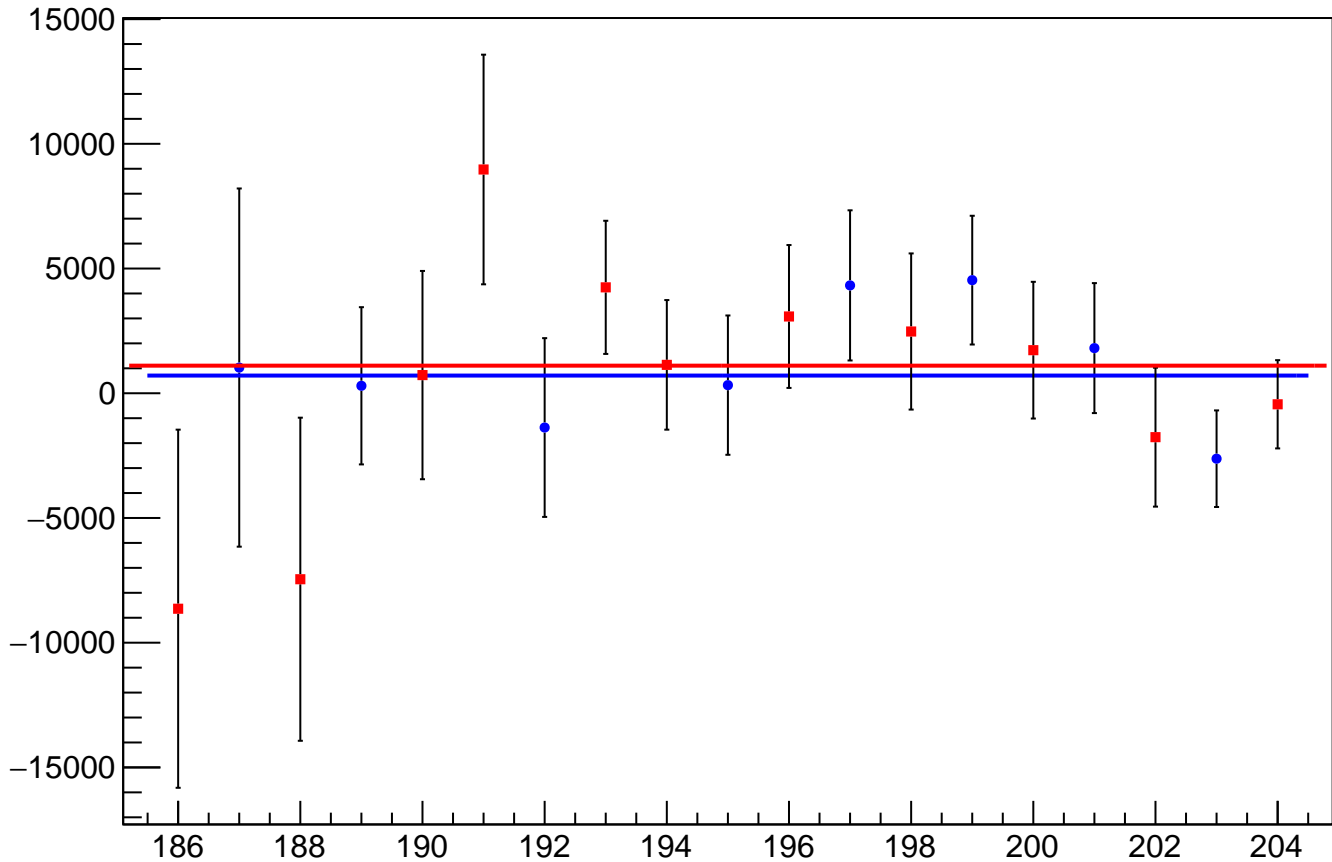
Right Out: 2274.083 $\pm$ 0.636  $\chi^2$ /NDF: 605797.2/10

All: 2262.011 $\pm$ 0.474  $\chi^2$ /NDF: 816023.7/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_2468\_avg\_mean vs Slug



Right In: 709.002+/-999.570  $\chi^2$ /NDF: 7.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1106.208+/-897.286  $\chi^2$ /NDF: 10.4/10

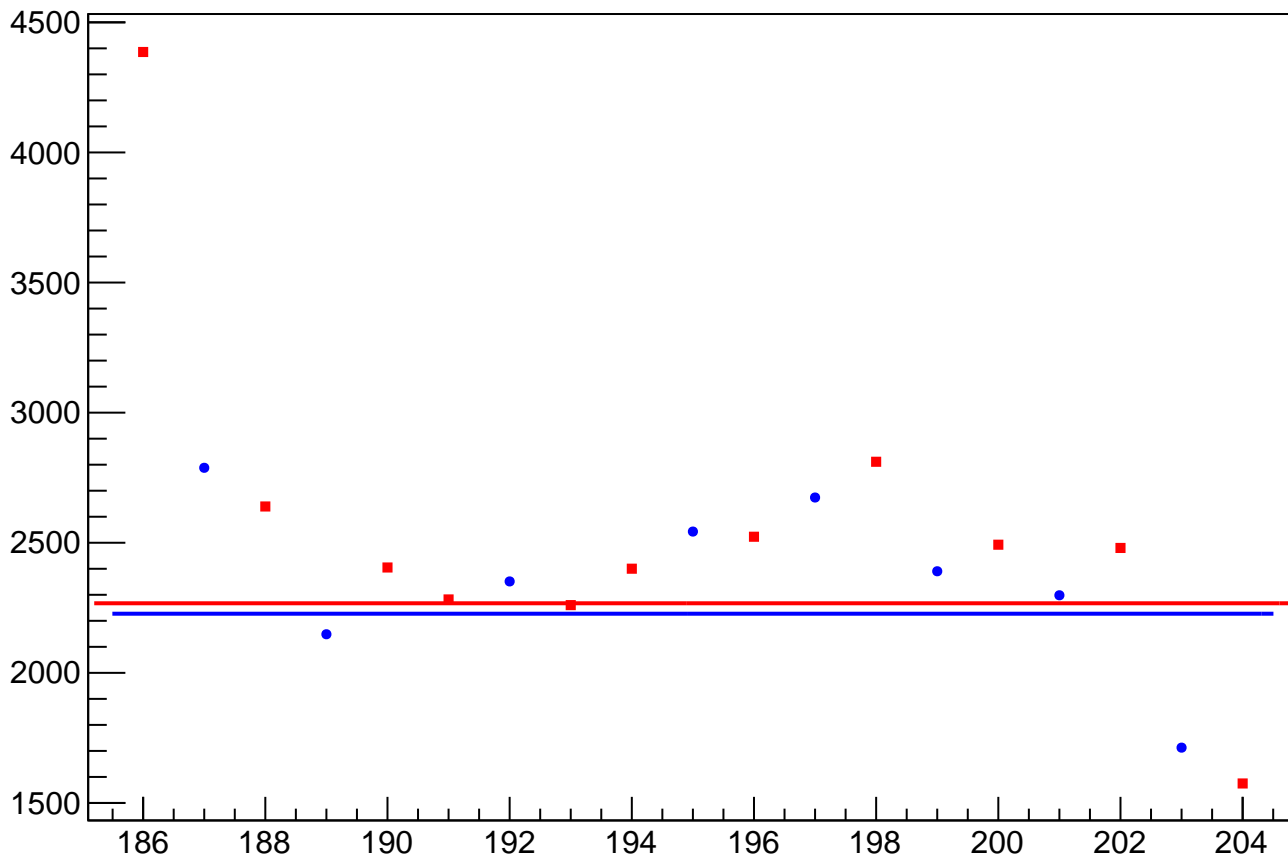
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 928.961+/-667.720  $\chi^2$ /NDF: 17.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_2468\_avg\_rms vs Slug



Right In: 2227.298 $\pm$ 0.707  $\chi^2$ /NDF: 236278.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2267.419 $\pm$ 0.634  $\chi^2$ /NDF: 596236.8/10

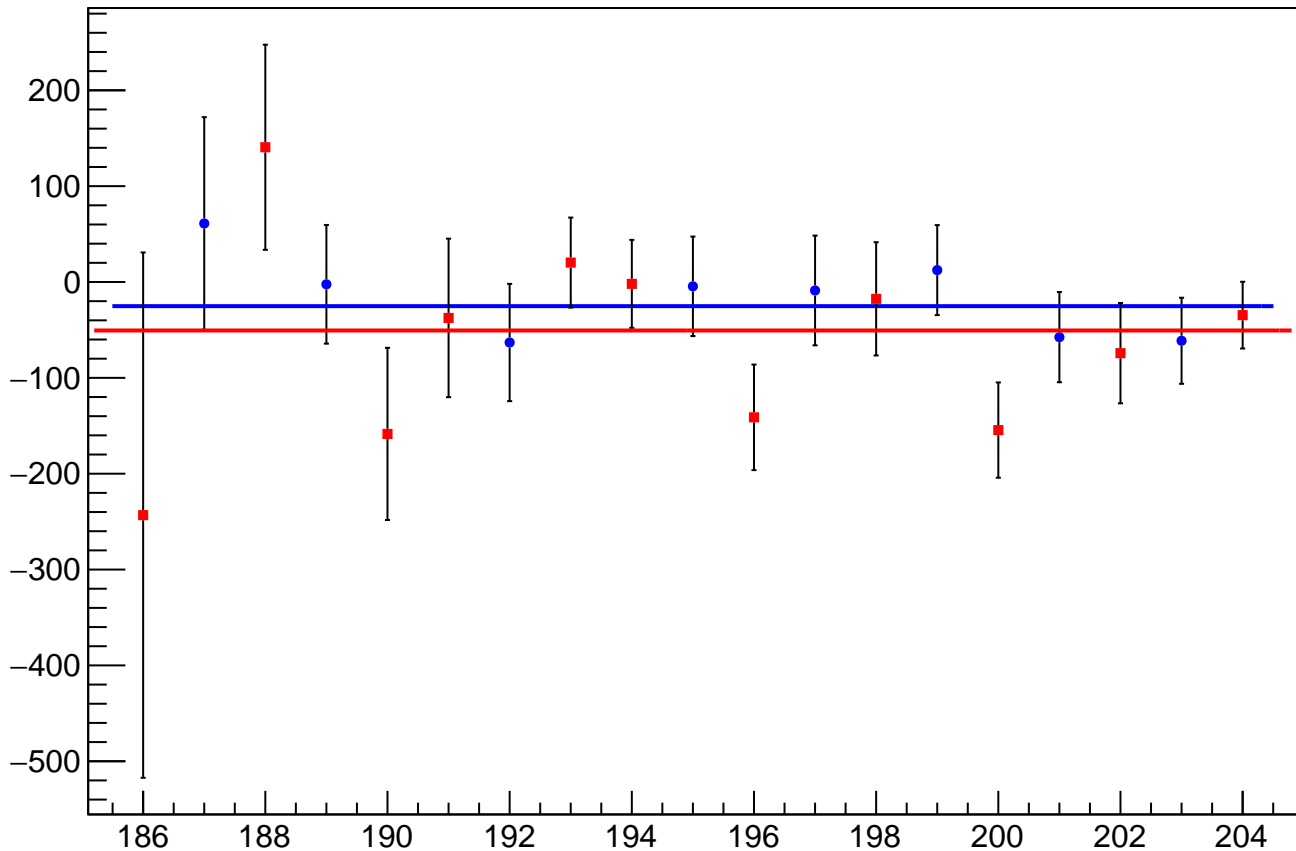
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2249.516 $\pm$ 0.472  $\chi^2$ /NDF: 834299.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1357\_2468\_dd\_mean vs Slug



Right In:  $-25.184 \pm 19.293$   $\chi^2/\text{NDF}$ : 3.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-50.579 \pm 16.880$   $\chi^2/\text{NDF}$ : 16.4/10

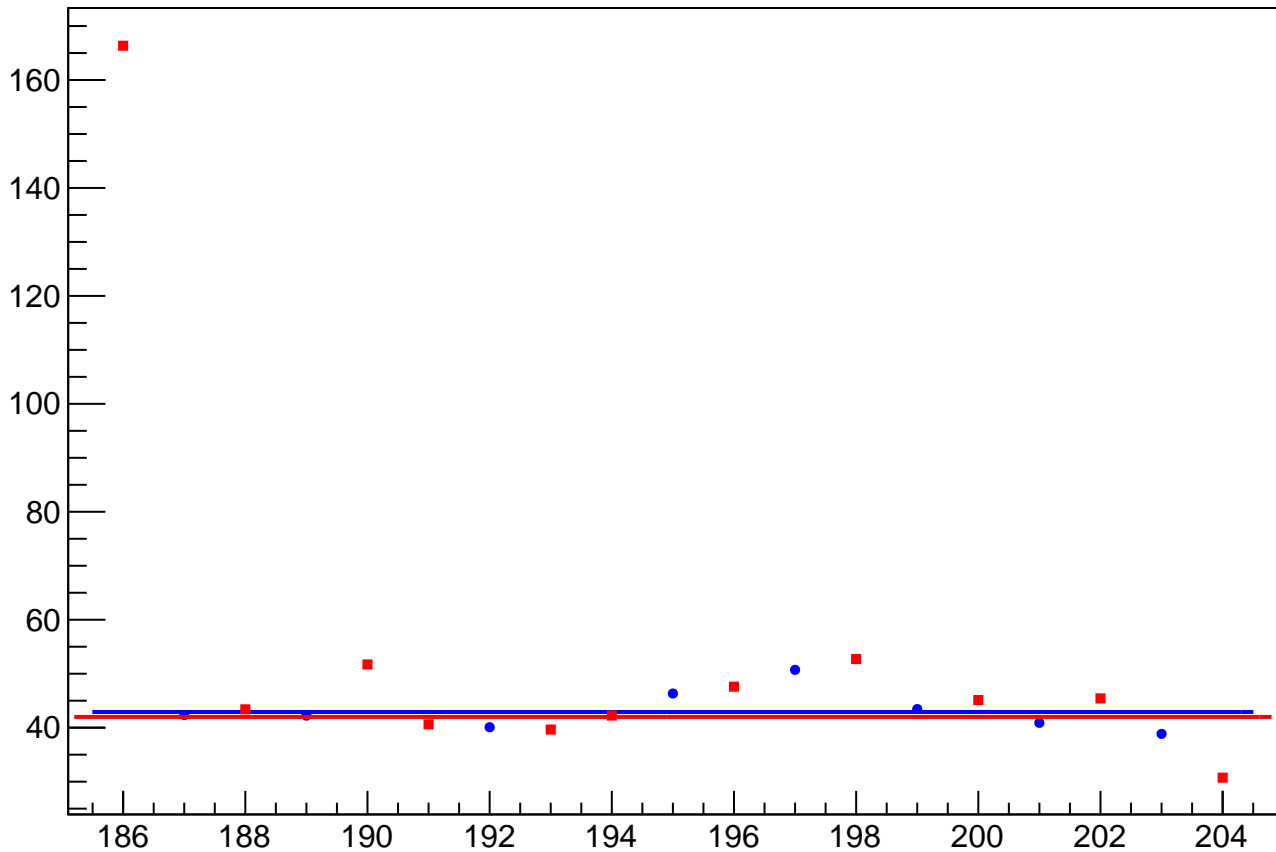
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-39.568 \pm 12.704$   $\chi^2/\text{NDF}$ : 20.5/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1357\_2468\_dd\_rms vs Slug



Right In: 42.909 $\pm$ 0.014  $\chi^2$ /NDF: 70676.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 41.992 $\pm$ 0.012  $\chi^2$ /NDF: 753340.9/10

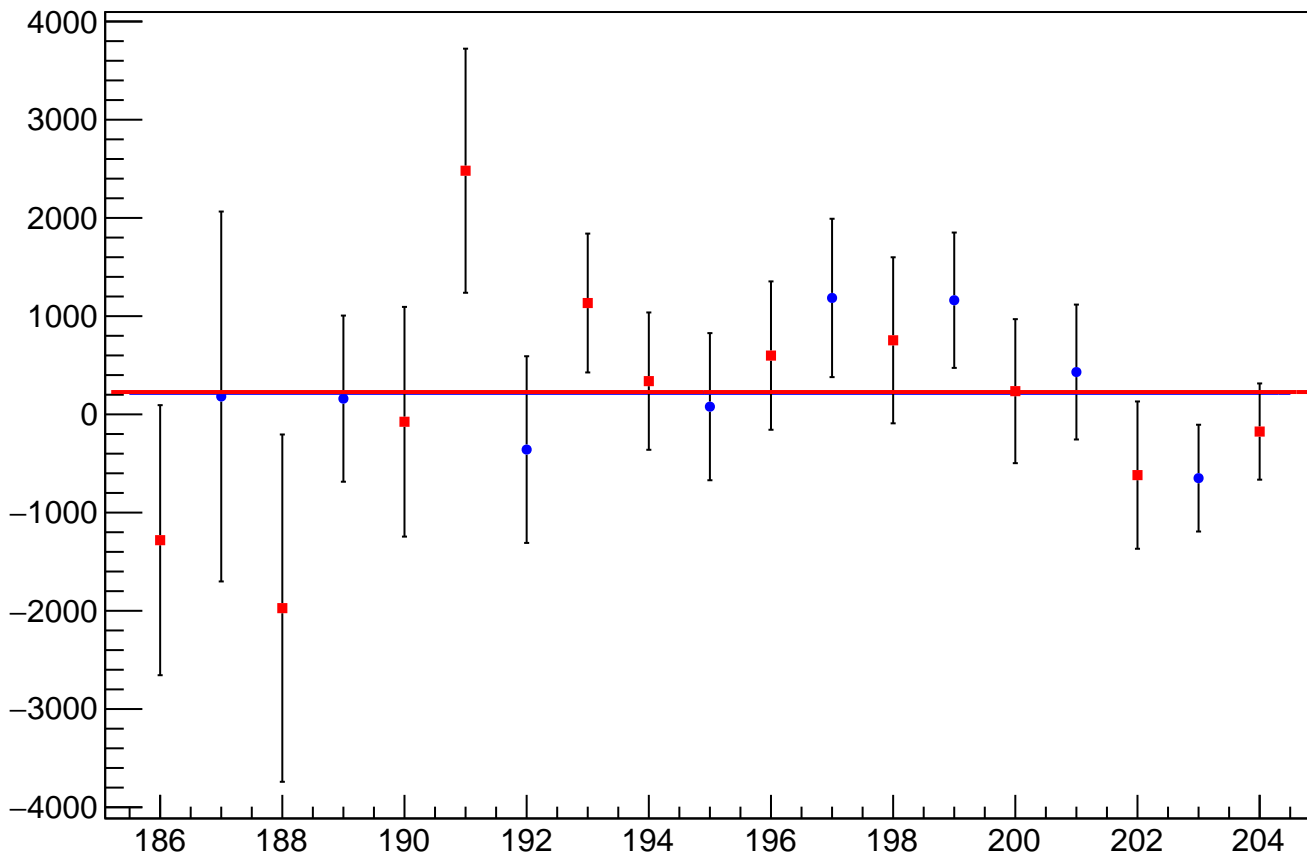
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 42.390 $\pm$ 0.009  $\chi^2$ /NDF: 826576.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_2468\_dd\_correction\_mean vs Slug



Right In: 219.166+/-269.976  $\chi^2$ /NDF: 6.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 227.460+/-240.887  $\chi^2$ /NDF: 10.4/10

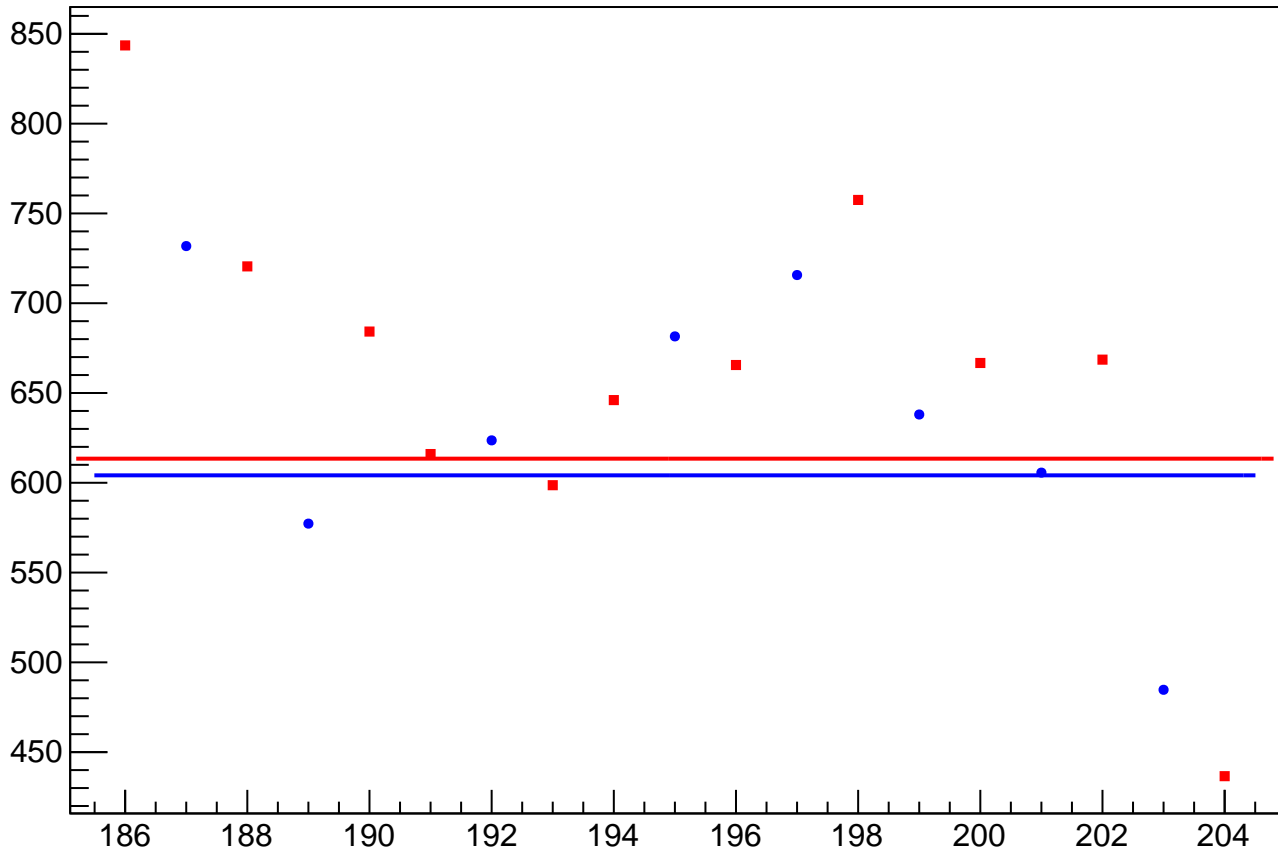
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 223.784+/-179.741  $\chi^2$ /NDF: 16.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_2468\_dd\_correction\_rms vs Slug



Right In: 604.143+/-0.191  $\chi^2/\text{NDF}$ : 173084.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 613.431+/-0.170  $\chi^2/\text{NDF}$ : 425538.1/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

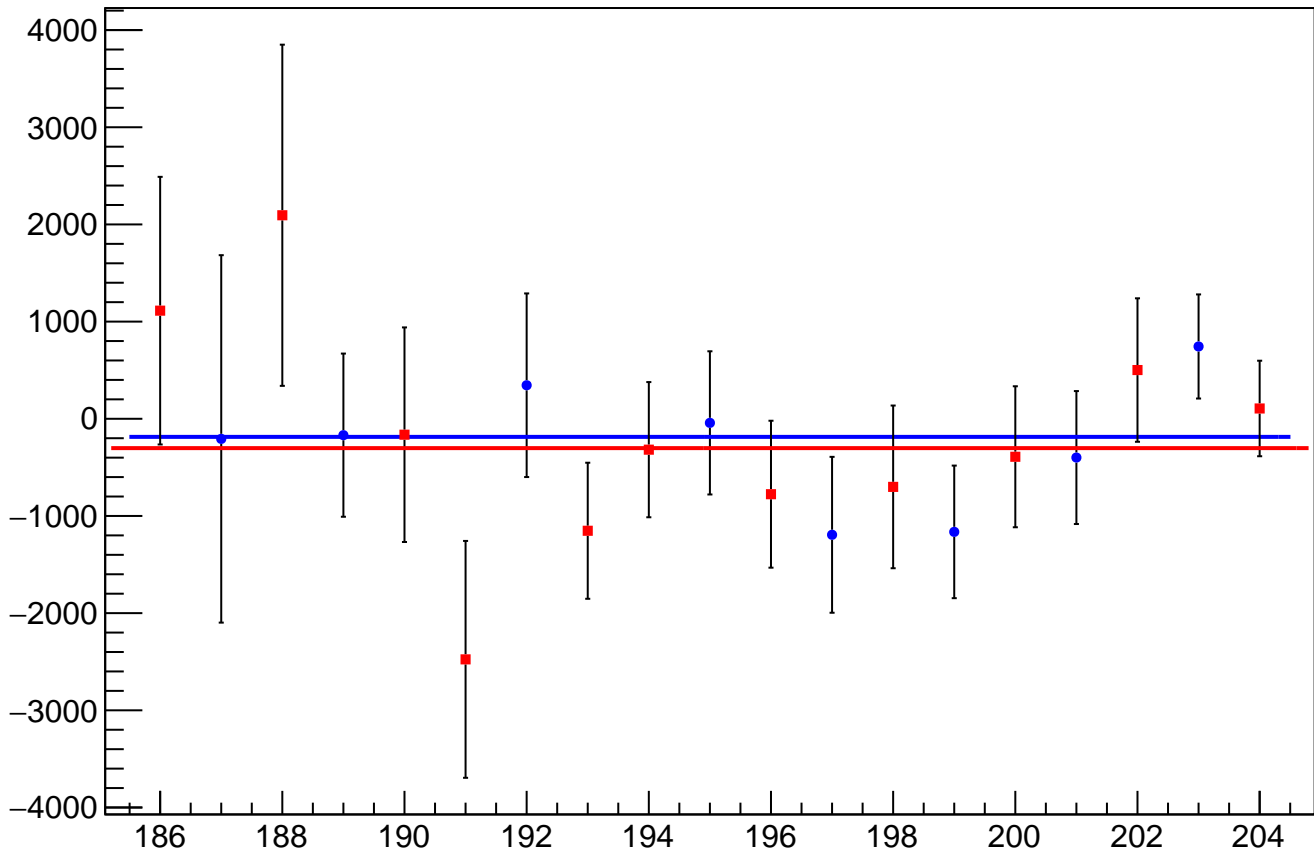
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 609.314+/-0.127  $\chi^2/\text{NDF}$ : 599940.8/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_1357\_2468\_dd\_mean vs Slug



Right In: -186.163+/-267.395  $\chi^2$ /NDF: 7.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -301.931+/-239.023  $\chi^2$ /NDF: 10.1/10

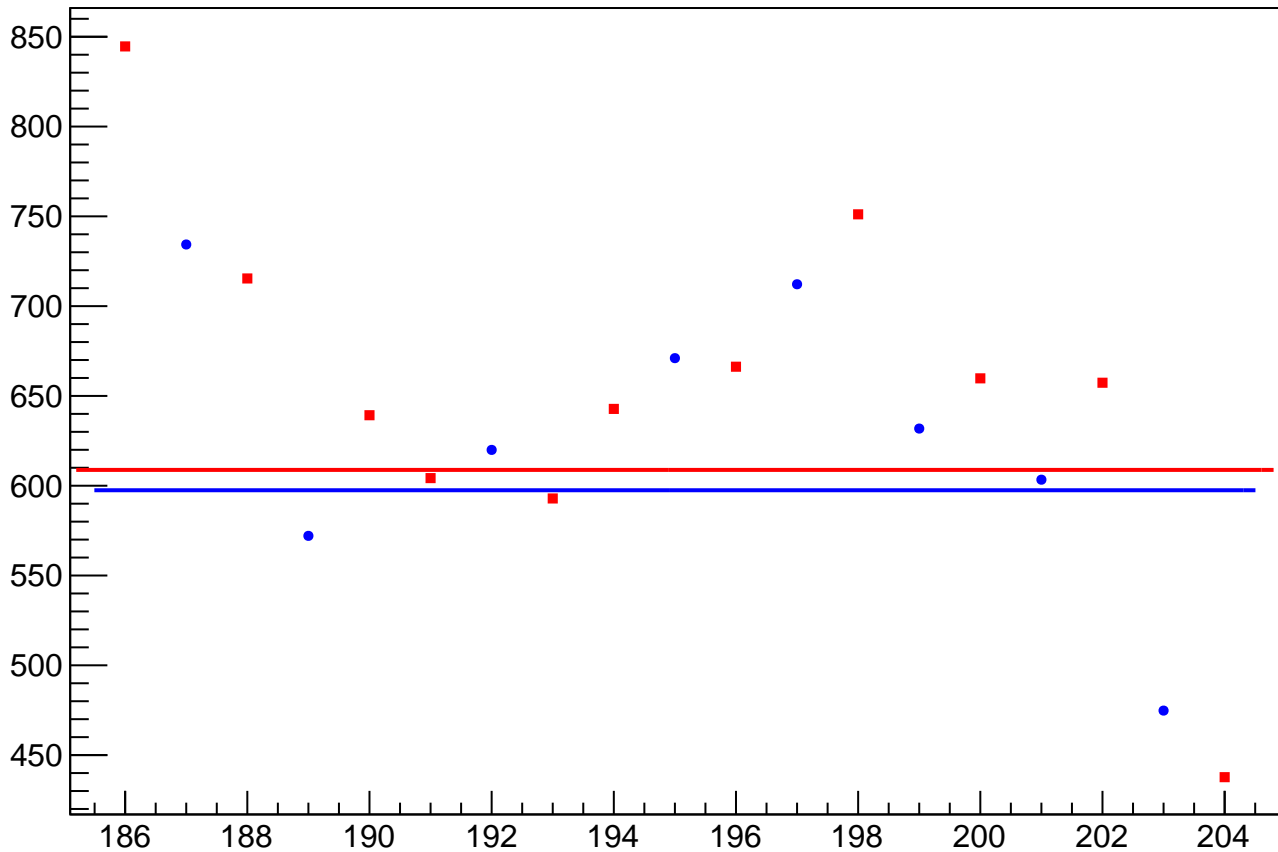
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -250.513+/-178.204  $\chi^2$ /NDF: 17.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_2468\_dd\_rms vs Slug



Right In: 597.479+/-0.189  $\chi^2/\text{NDF}$ : 184429.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 608.806+/-0.169  $\chi^2/\text{NDF}$ : 403614.1/10

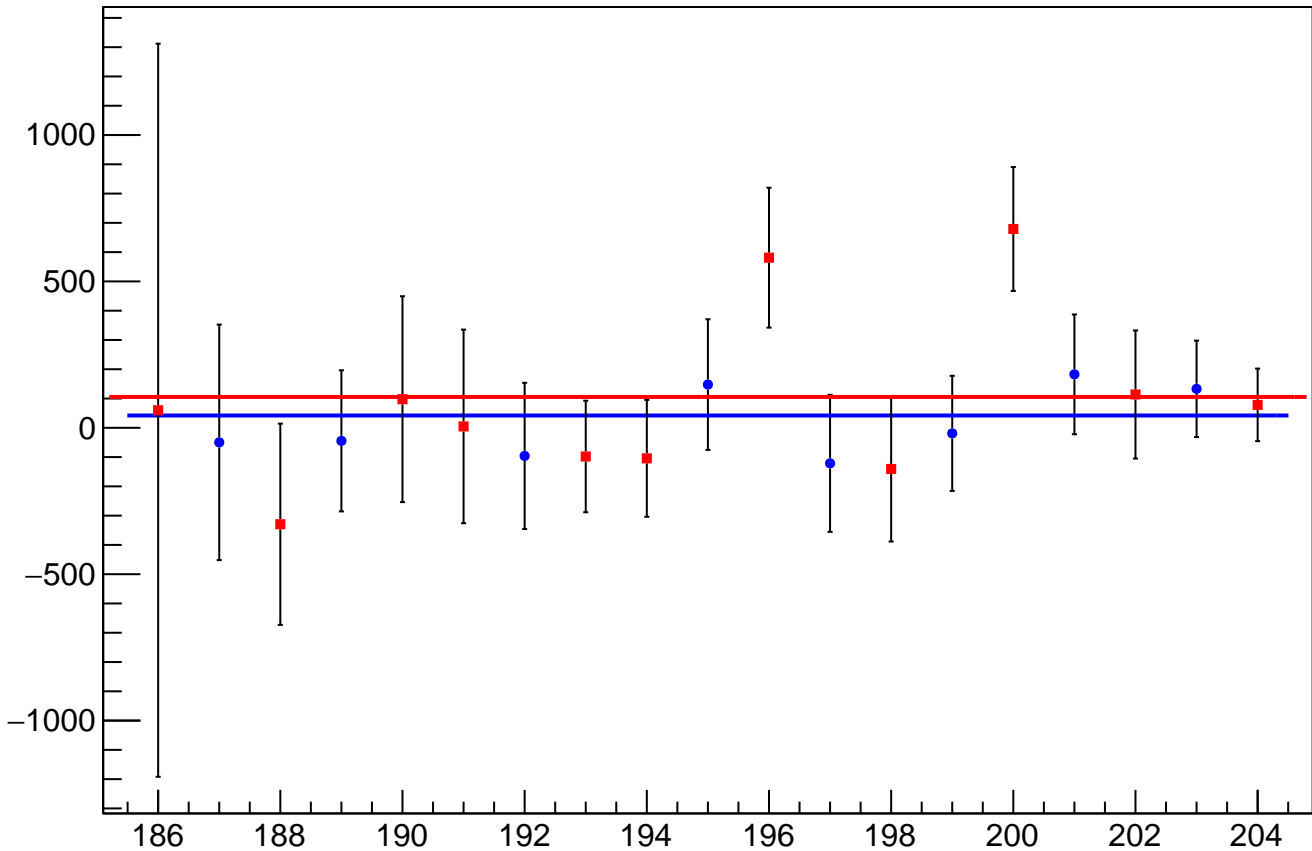
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 603.775+/-0.126  $\chi^2/\text{NDF}$ : 590038.4/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_12345678\_avg\_mean vs Slug



Right In: 42.033+/-77.980  $\chi^2/\text{NDF}$ : 2.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 105.405+/-67.254  $\chi^2/\text{NDF}$ : 16.3/10

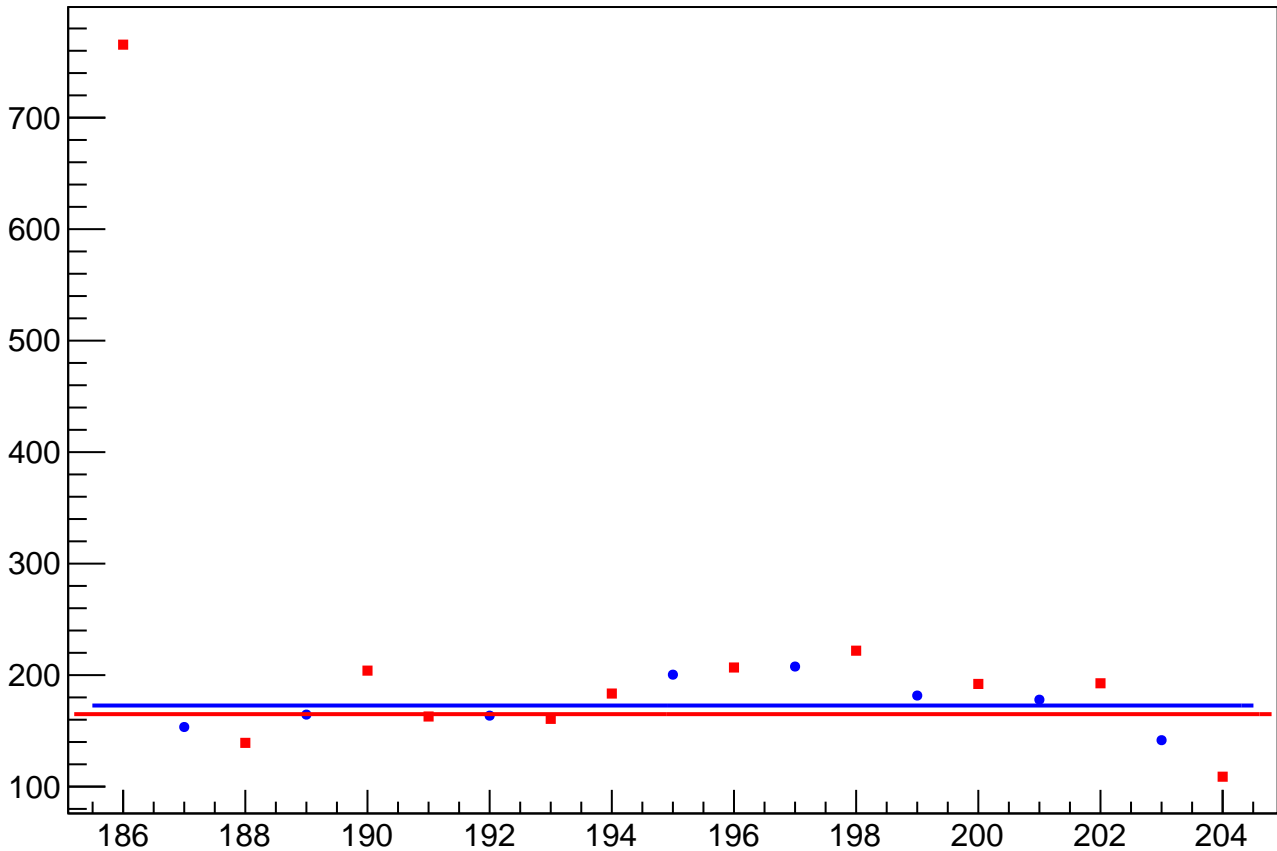
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 78.374+/-50.929  $\chi^2/\text{NDF}$ : 18.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_12345678\_avg\_rms vs Slug



Right In: 172.731 $\pm$ 0.055  $\chi^2$ /NDF: 161618.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

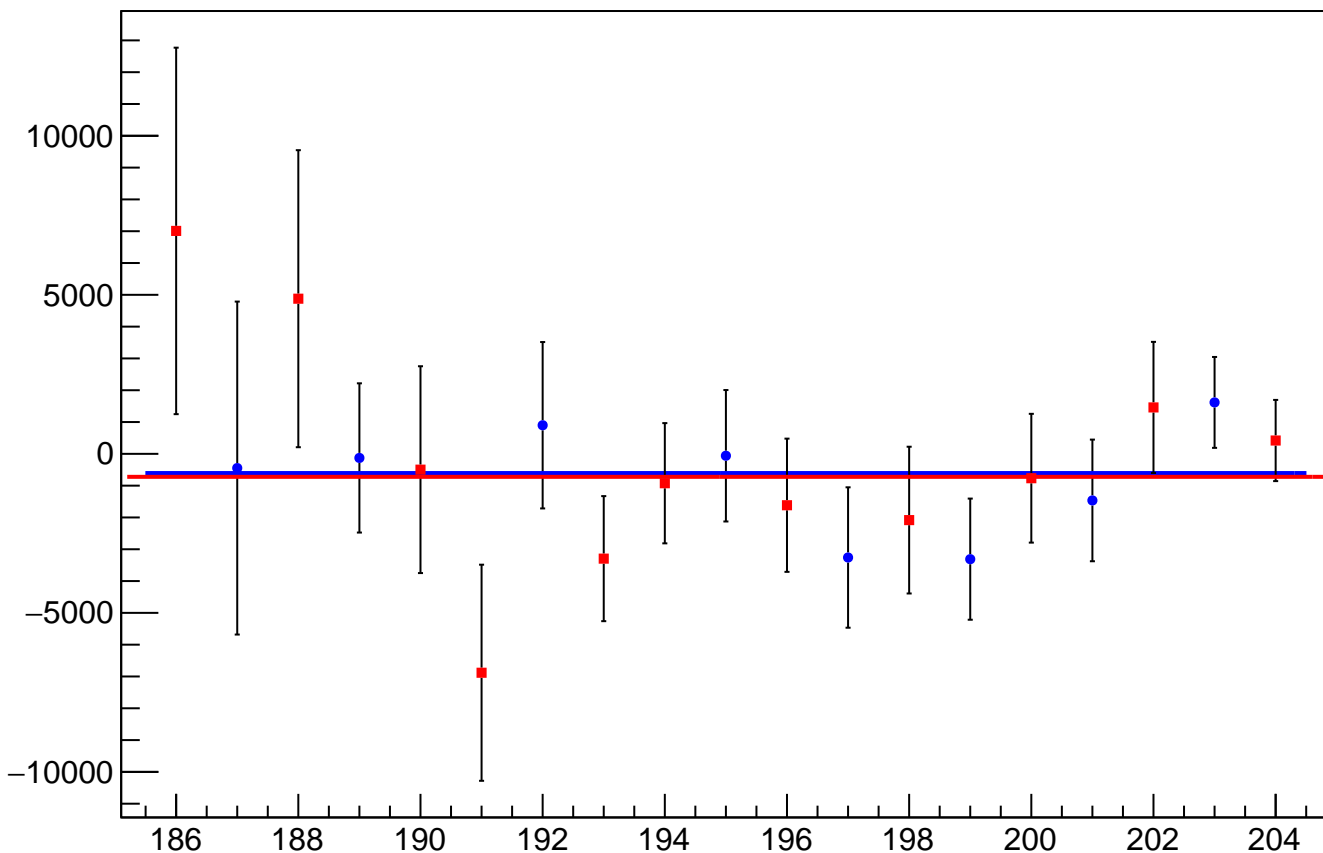
Right Out: 164.993 $\pm$ 0.048  $\chi^2$ /NDF: 1155703.7/10

All: 168.294 $\pm$ 0.036  $\chi^2$ /NDF: 1328613.9/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_12345678\_avg\_correction\_mean vs Slug



Right In: -603.895+/-736.704  $\chi^2$ /NDF: 6.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -722.765+/-658.708  $\chi^2$ /NDF: 10.7/10

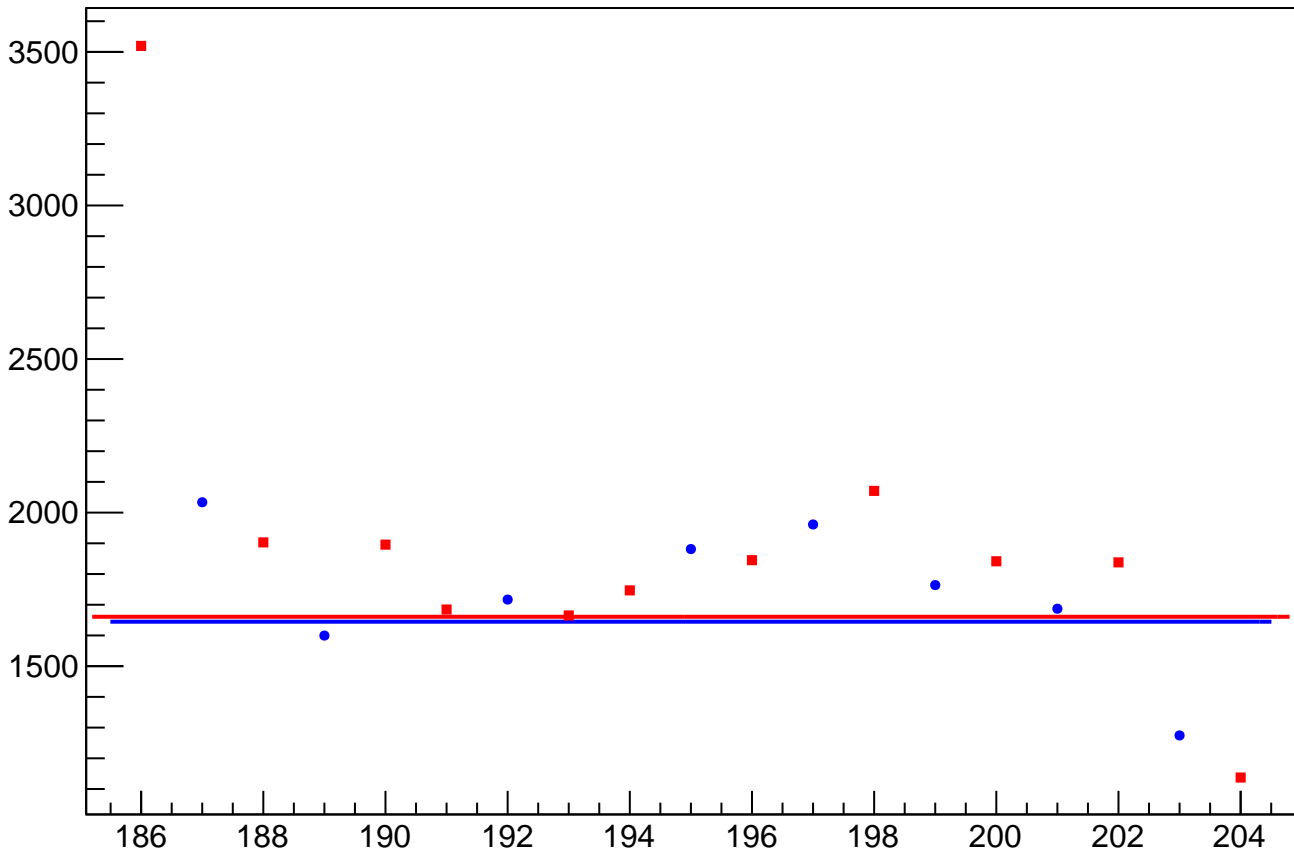
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -669.954+/-491.045  $\chi^2$ /NDF: 17.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_12345678\_avg\_correction\_rms vs Slug



Right In: 1644.771 $\pm$ 0.521  $\chi^2$ /NDF: 223754.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

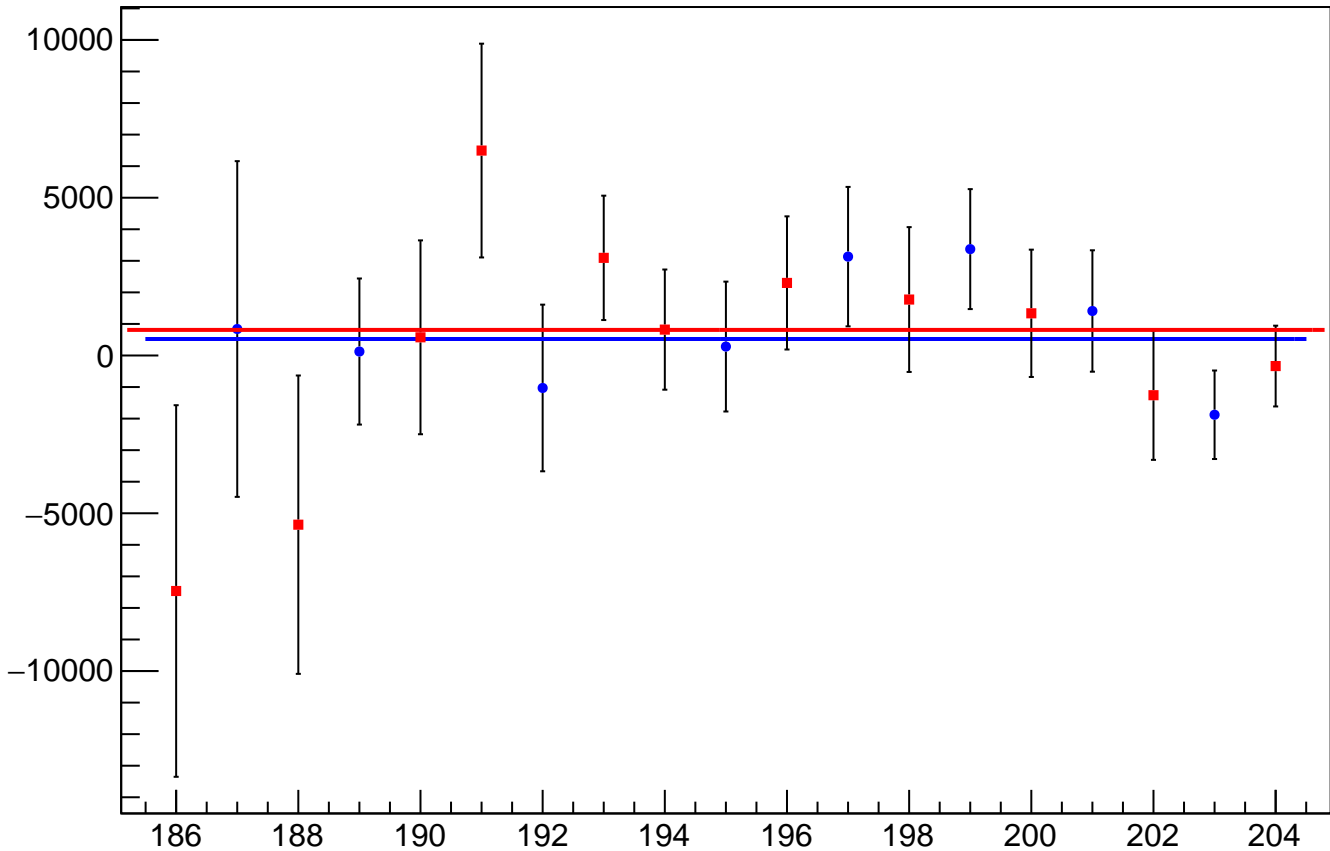
Right Out: 1660.855 $\pm$ 0.466  $\chi^2$ /NDF: 673802.3/10

All: 1653.709 $\pm$ 0.347  $\chi^2$ /NDF: 898086.5/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_12345678\_avg\_mean vs Slug



Right In: 522.616+/-732.857  $\chi^2$ /NDF: 7.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 810.791+/-658.107  $\chi^2$ /NDF: 10.4/10

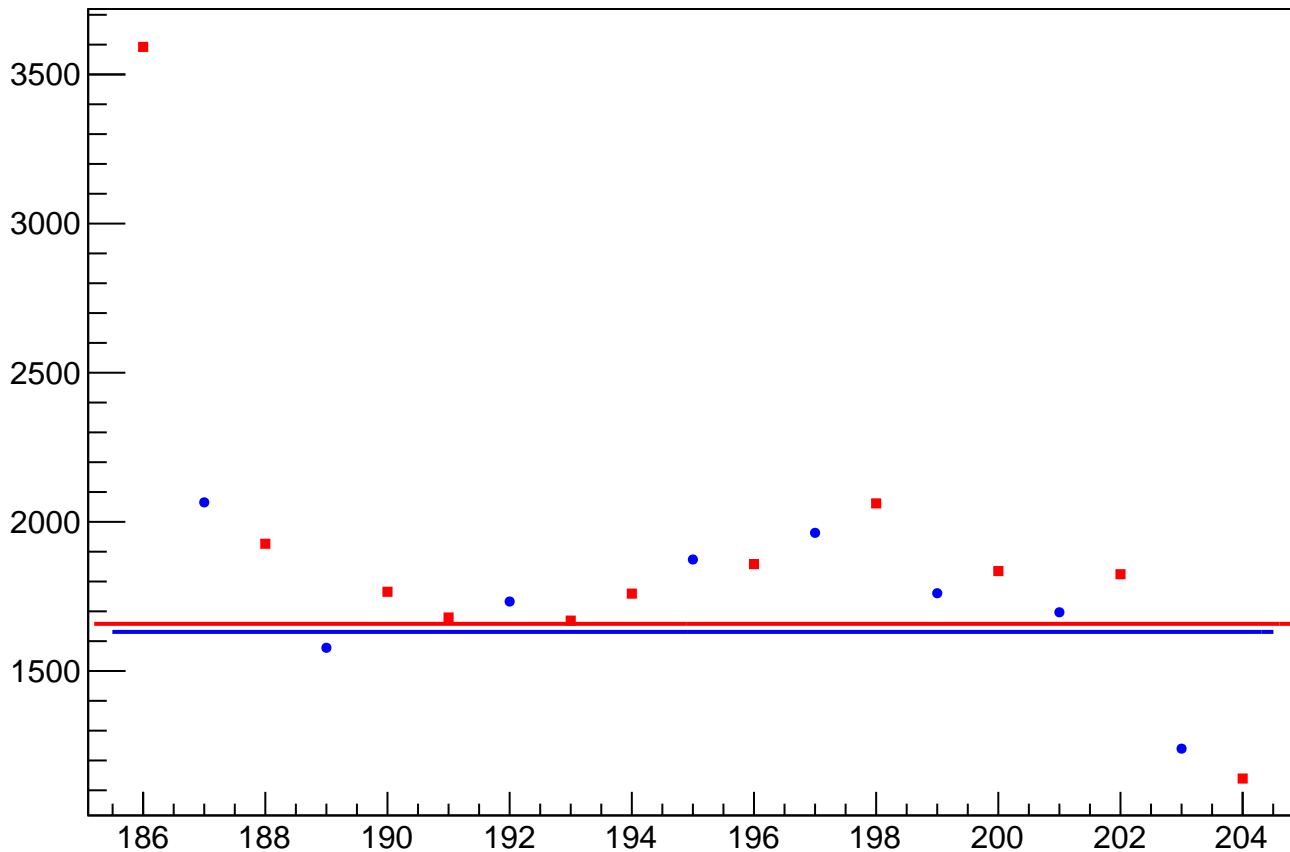
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 682.145+/-489.653  $\chi^2$ /NDF: 17.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_12345678\_avg\_rms vs Slug



Right In: 1631.071 $\pm$ 0.518  $\chi^2$ /NDF: 257864.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1658.087 $\pm$ 0.465  $\chi^2$ /NDF: 667473.9/10

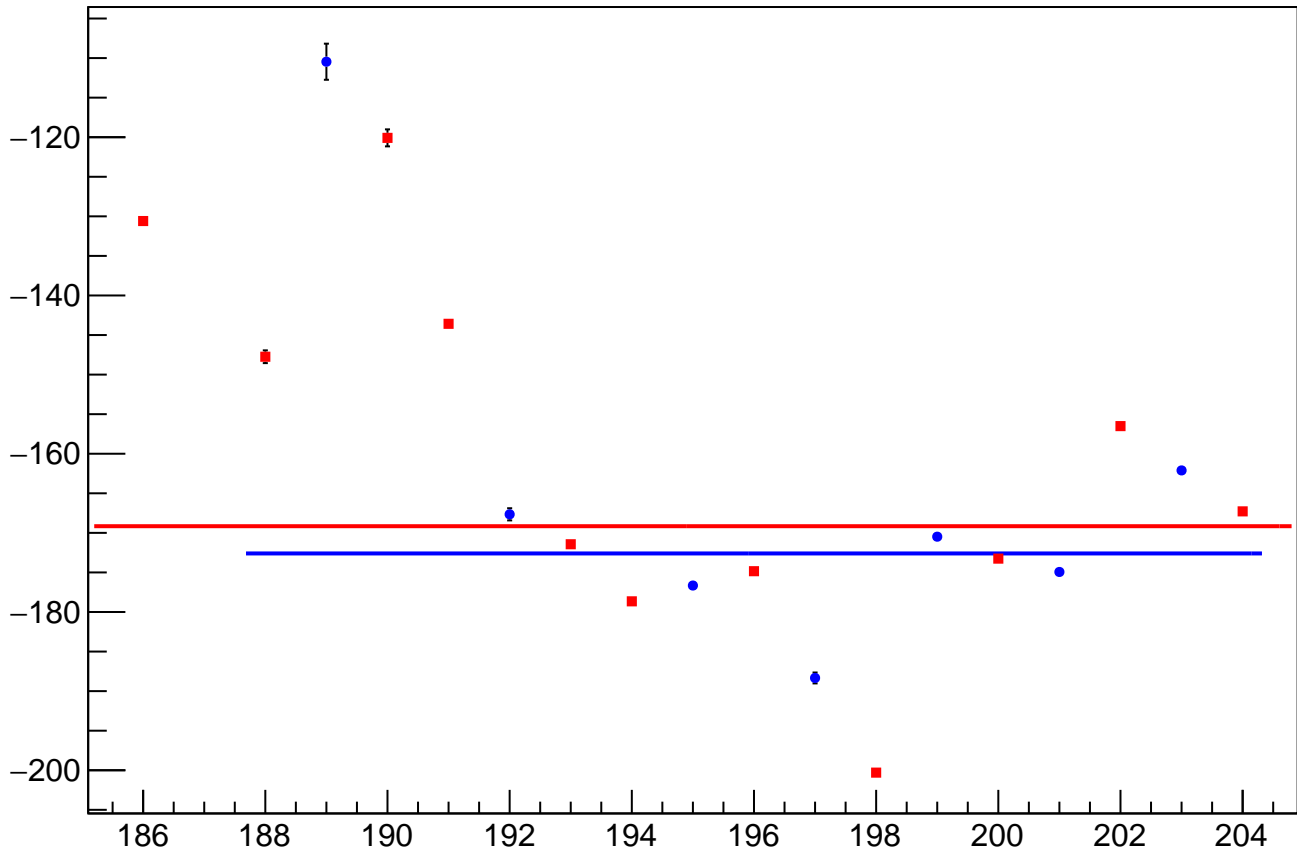
All: 1646.026 $\pm$ 0.346  $\chi^2$ /NDF: 926842.9/18

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usl\_4aX\_slope vs Slug



Right In:  $-172.601 \pm 0.100$   $\chi^2/\text{NDF}: 2204.4/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-169.158 \pm 0.097$   $\chi^2/\text{NDF}: 19465.2/10$

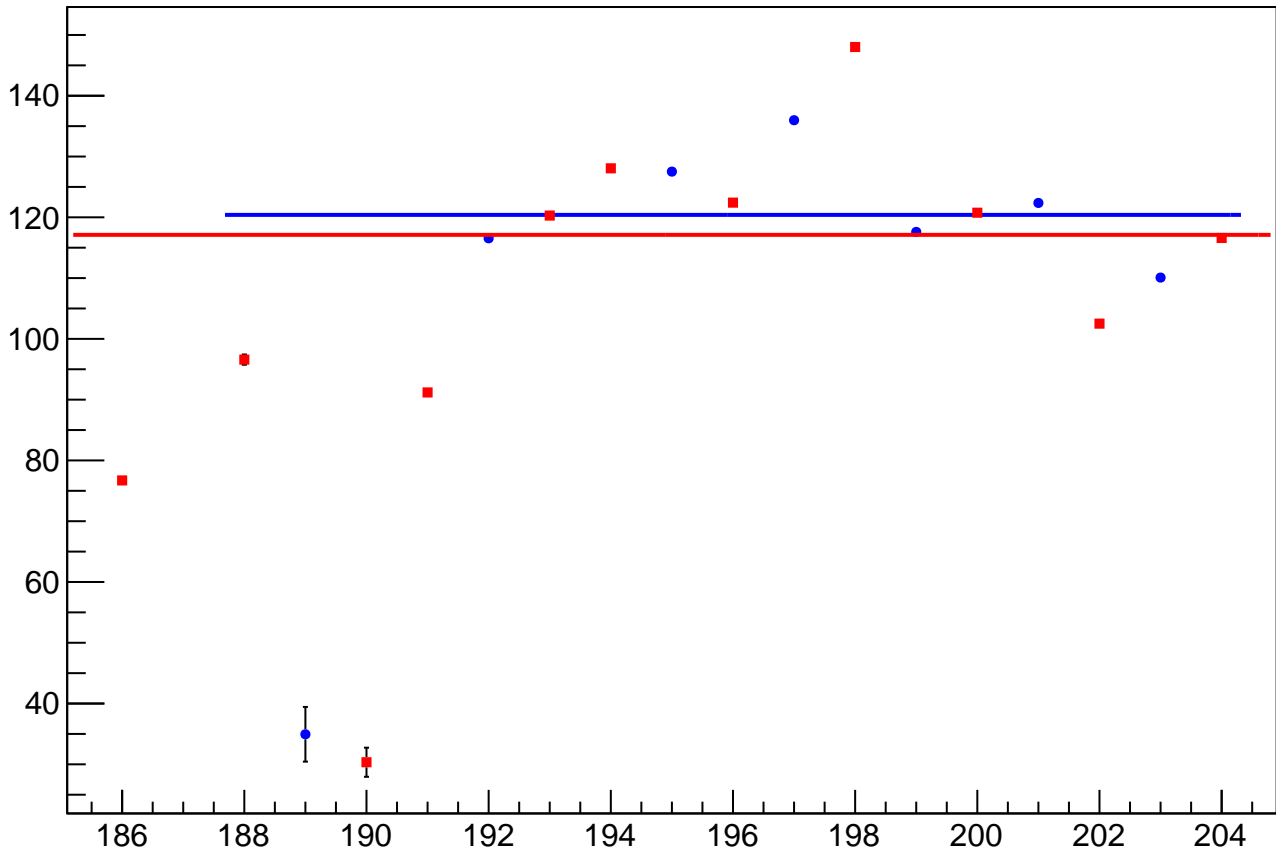
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-170.828 \pm 0.070$   $\chi^2/\text{NDF}: 22280.4/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_usl\_4eX\_slope vs Slug



Right In: 120.401 $\pm$ 0.101  $\chi^2$ /NDF: 1990.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 117.115 $\pm$ 0.095  $\chi^2$ /NDF: 21252.3/10

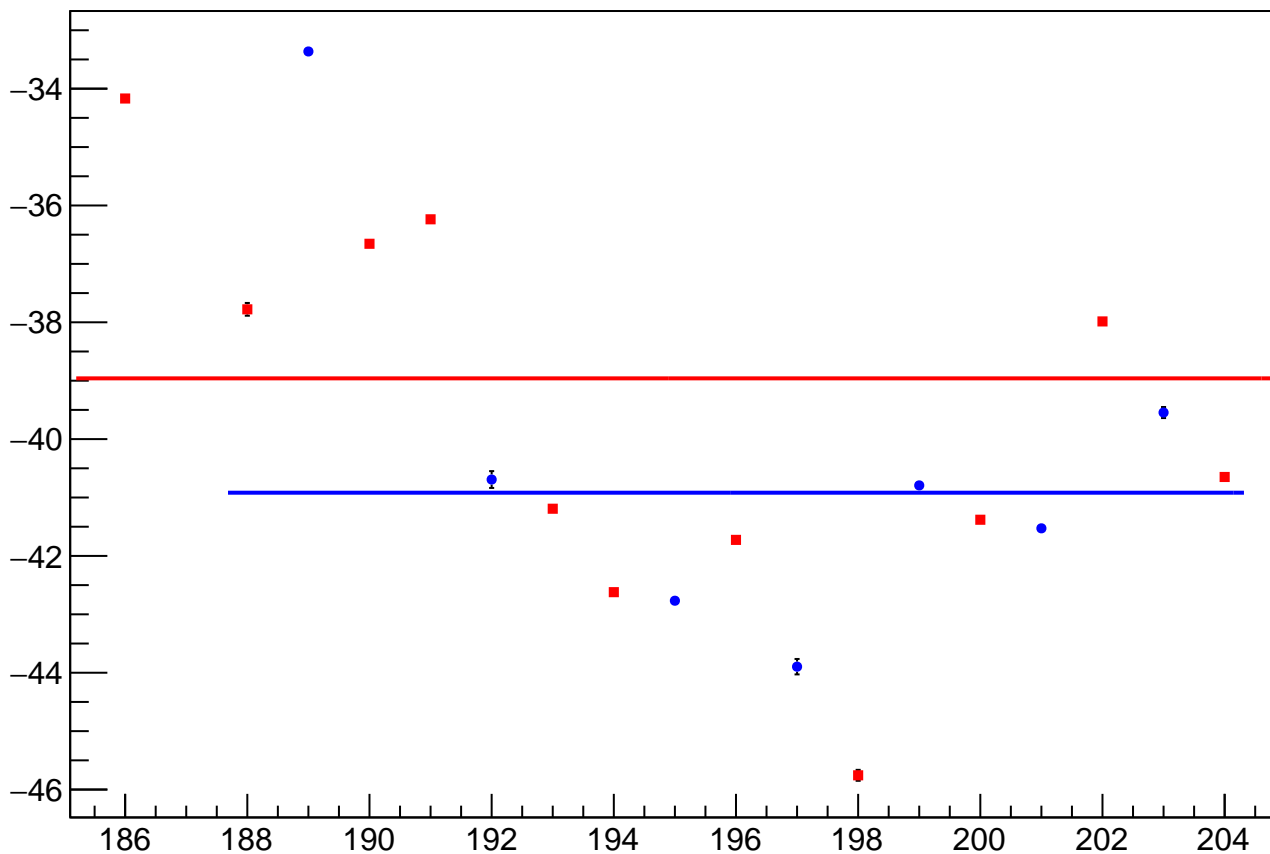
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 118.664 $\pm$ 0.069  $\chi^2$ /NDF: 23803.3/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_11X12X\_slope vs Slug



Right In:  $-40.918 \pm 0.014$   $\chi^2/\text{NDF}: 15934.3/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-38.960 \pm 0.010$   $\chi^2/\text{NDF}: 116873.2/10$

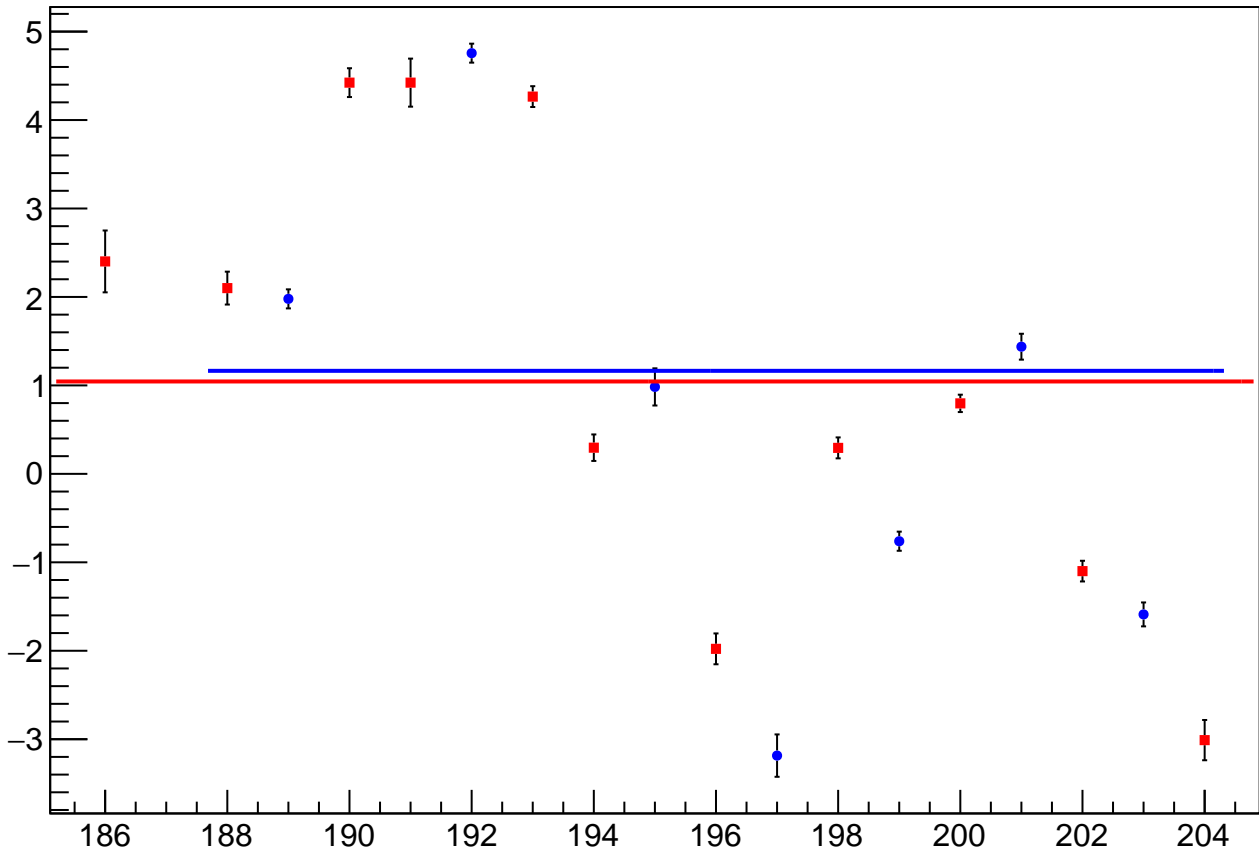
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-39.640 \pm 0.008$   $\chi^2/\text{NDF}: 146433.4/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_usl\_4aY\_slope vs Slug



Right In: 1.165 $\pm$ 0.050  $\chi^2$ /NDF: 2245.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.044 $\pm$ 0.044  $\chi^2$ /NDF: 2407.3/10

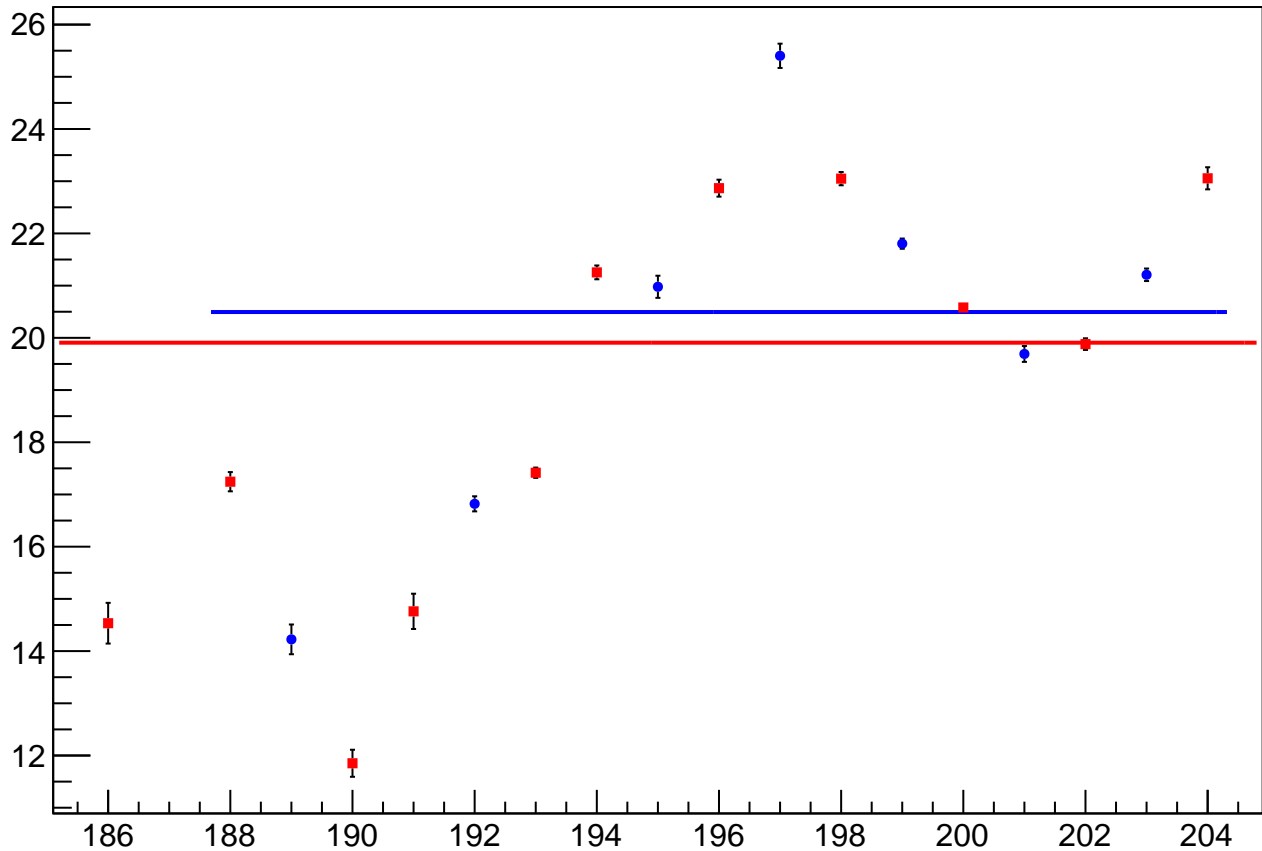
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.098 $\pm$ 0.033  $\chi^2$ /NDF: 4655.6/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_4eY\_slope vs Slug



Right In: 20.494 $\pm$ 0.056  $\chi^2$ /NDF: 1823.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 19.907 $\pm$ 0.043  $\chi^2$ /NDF: 3560.0/10

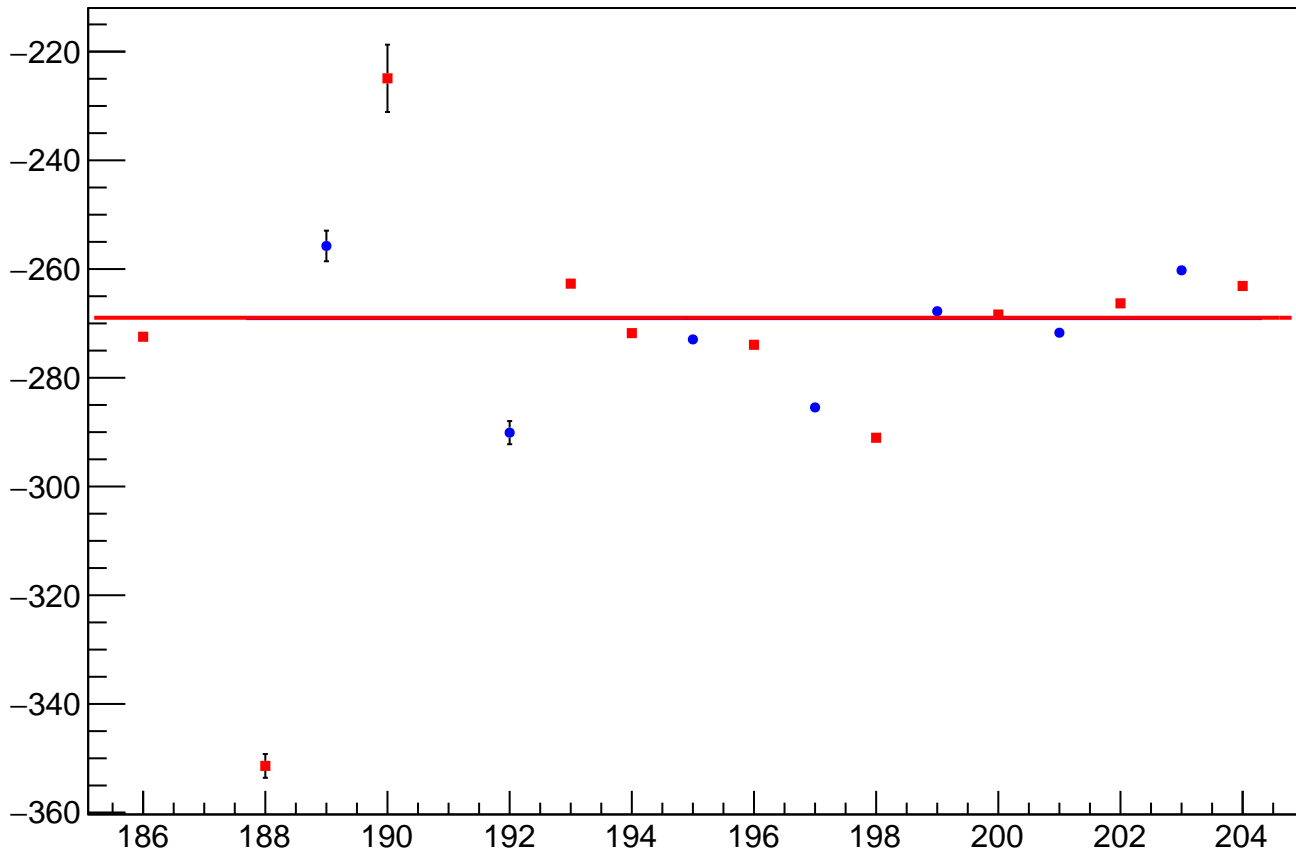
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 20.123 $\pm$ 0.034  $\chi^2$ /NDF: 5452.8/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_4aX\_slope vs Slug



Right In:  $-269.021 \pm 0.122$   $\chi^2/\text{NDF}$ : 2156.6/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-268.955 \pm 0.101$   $\chi^2/\text{NDF}$ : 5699.9/9

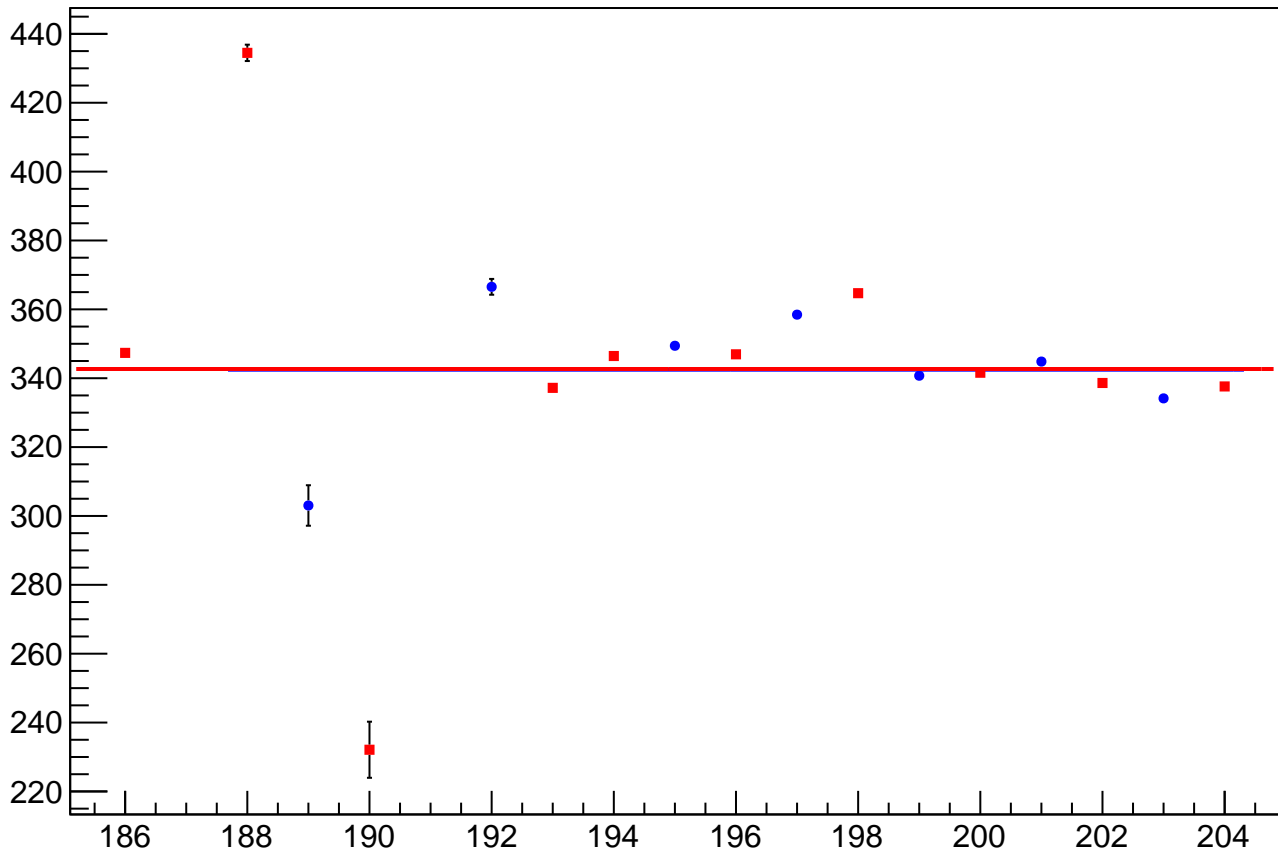
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-268.982 \pm 0.078$   $\chi^2/\text{NDF}$ : 7856.6/16

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_4eX\_slope vs Slug



Right In: 342.485 $\pm$ 0.125  $\chi^2$ /NDF: 2137.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 342.678 $\pm$ 0.099  $\chi^2$ /NDF: 5632.5/9

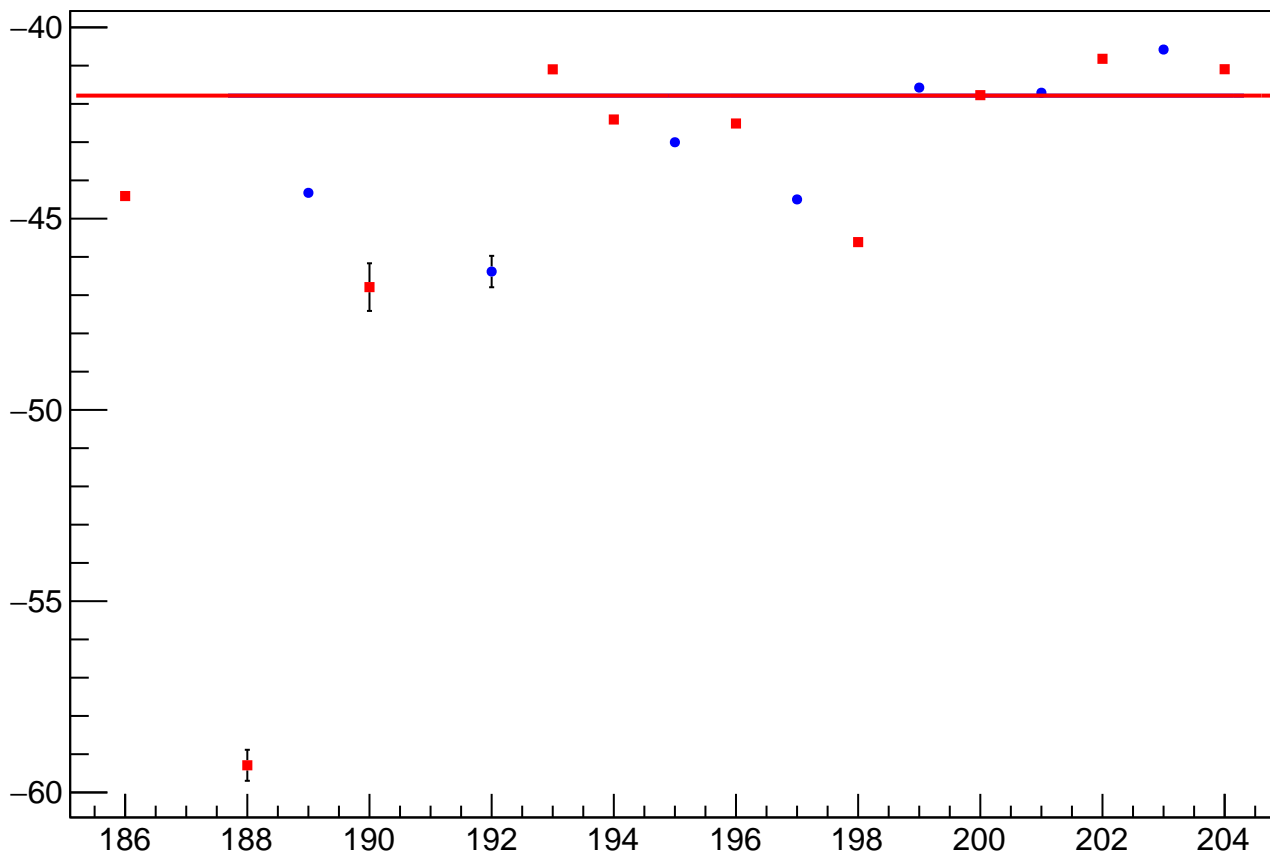
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 342.603 $\pm$ 0.078  $\chi^2$ /NDF: 7771.9/16

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_11X12X\_slope vs Slug



Right In:  $-41.784 \pm 0.014$   $\chi^2/\text{NDF}: 2922.9/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-41.784 \pm 0.012$   $\chi^2/\text{NDF}: 8178.6/9$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

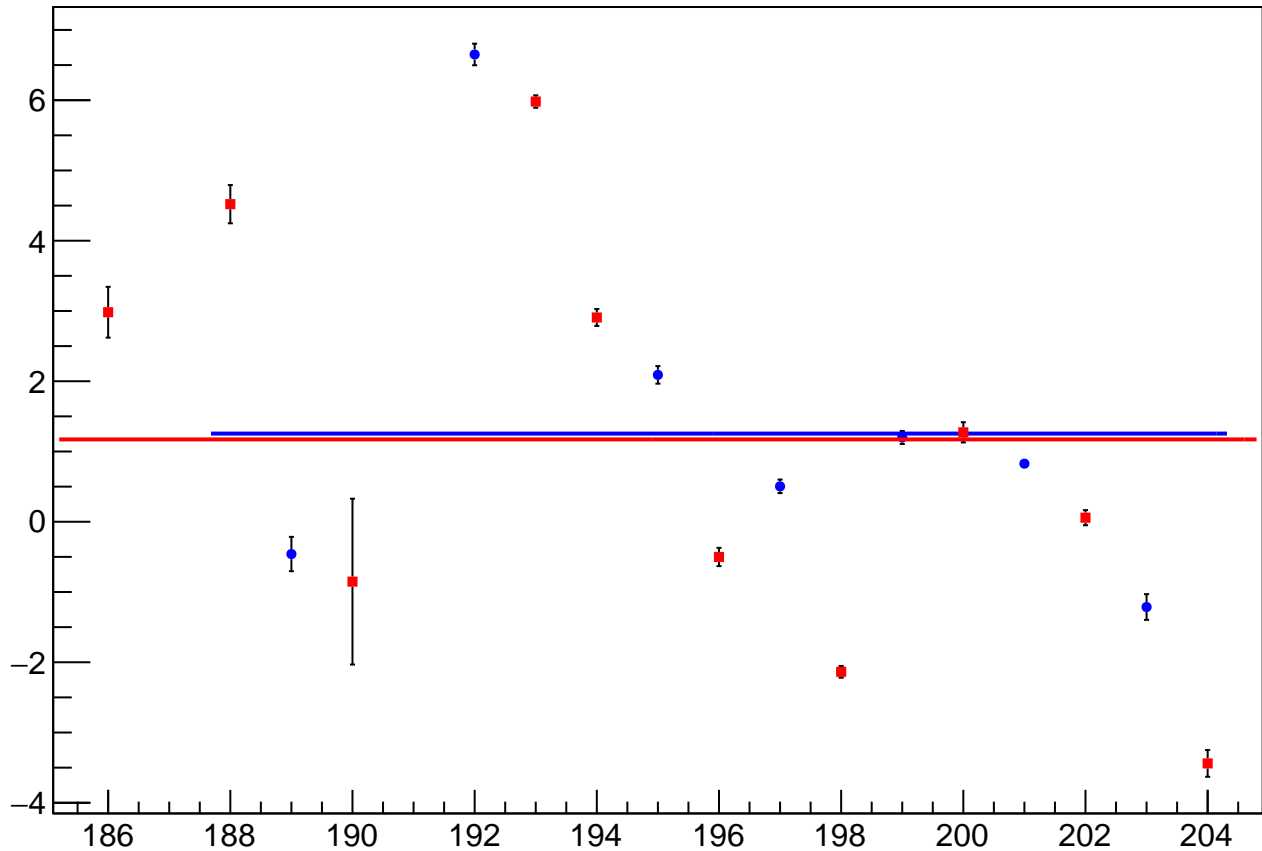
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-41.784 \pm 0.009$   $\chi^2/\text{NDF}: 11101.5/16$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# dit\_usr\_4aY\_slope vs Slug



Right In: 1.255 $\pm$ 0.041  $\chi^2$ /NDF: 1609.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.172 $\pm$ 0.041  $\chi^2$ /NDF: 5775.6/9

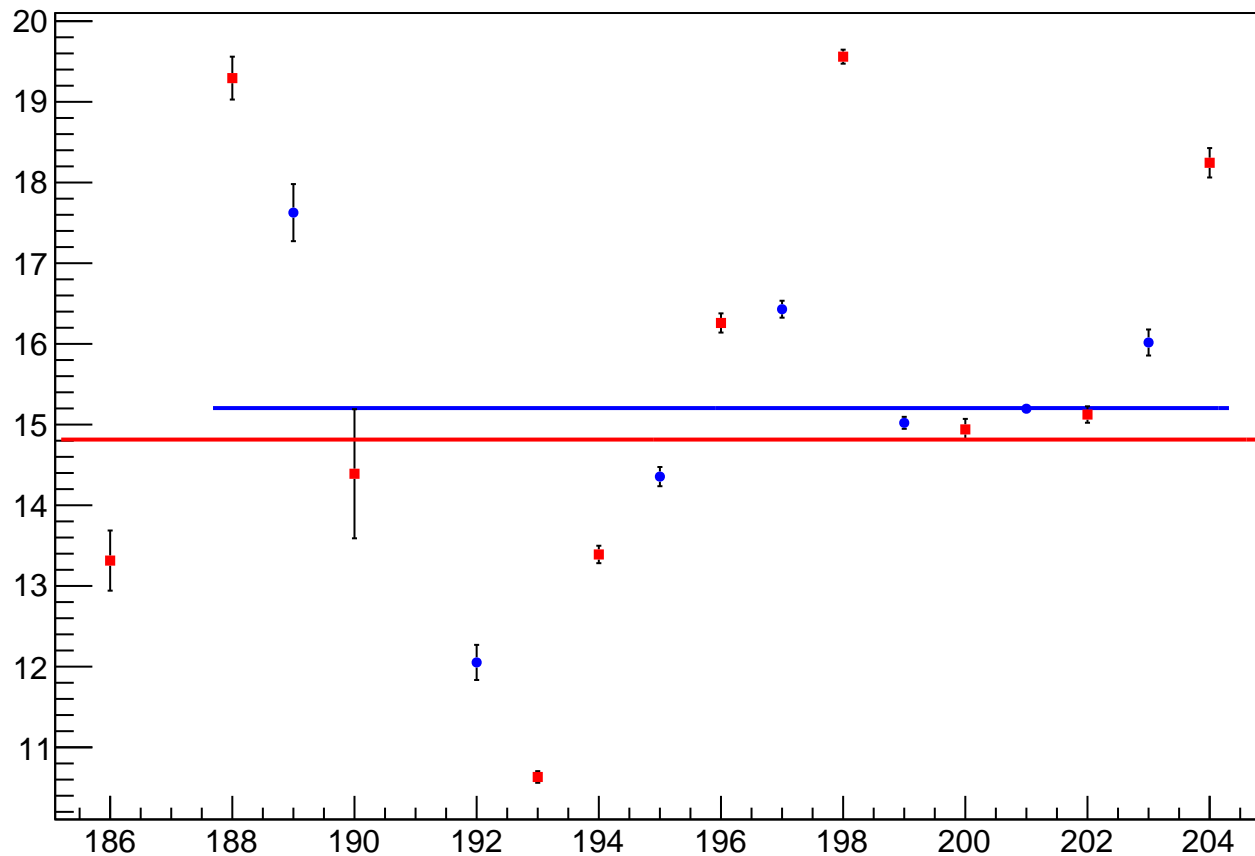
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.214 $\pm$ 0.029  $\chi^2$ /NDF: 7387.3/16

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_4eY\_slope vs Slug



Right In: 15.205+/-0.038  $\chi^2$ /NDF: 475.6/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 14.814+/-0.038  $\chi^2$ /NDF: 7338.1/9

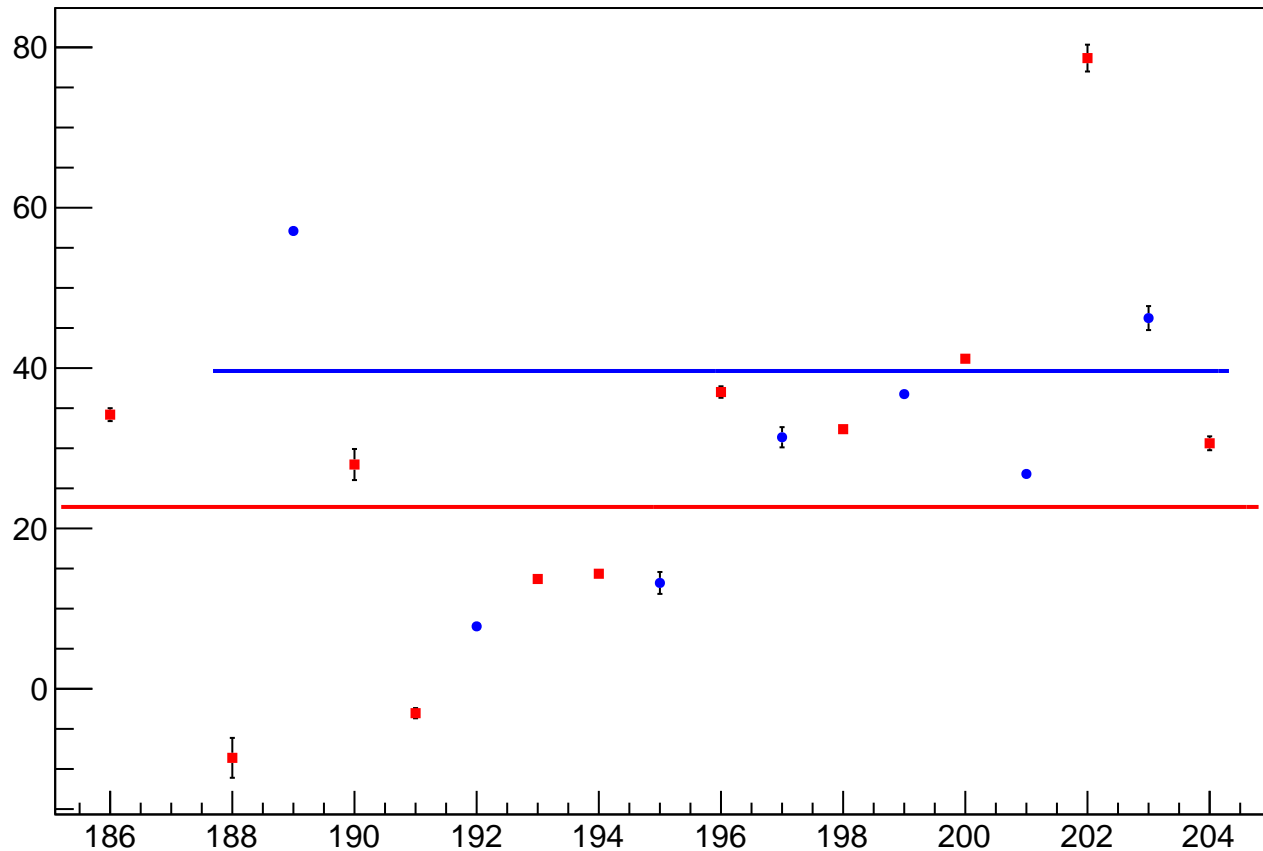
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 15.010+/-0.027  $\chi^2$ /NDF: 7866.3/16

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4aX\_slope vs Slug



Right In: 39.638+/-0.129  $\chi^2$ /NDF: 18116.5/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 22.681+/-0.155  $\chi^2$ /NDF: 7826.2/10

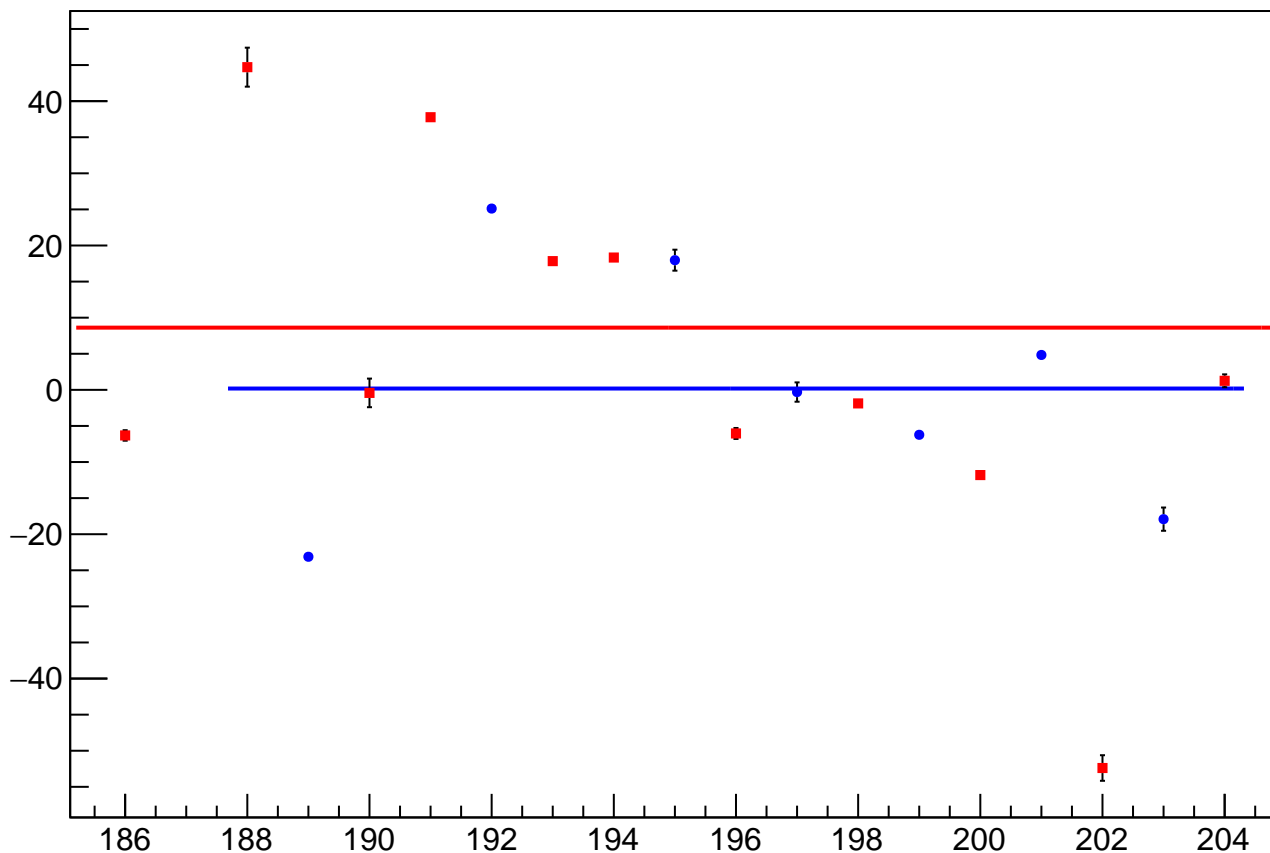
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 32.741+/-0.099  $\chi^2$ /NDF: 33013.9/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4eX\_slope vs Slug



Right In: 0.183+/-0.159  $\chi^2/\text{NDF}$ : 8888.2/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.620+/-0.160  $\chi^2/\text{NDF}$ : 8977.0/10

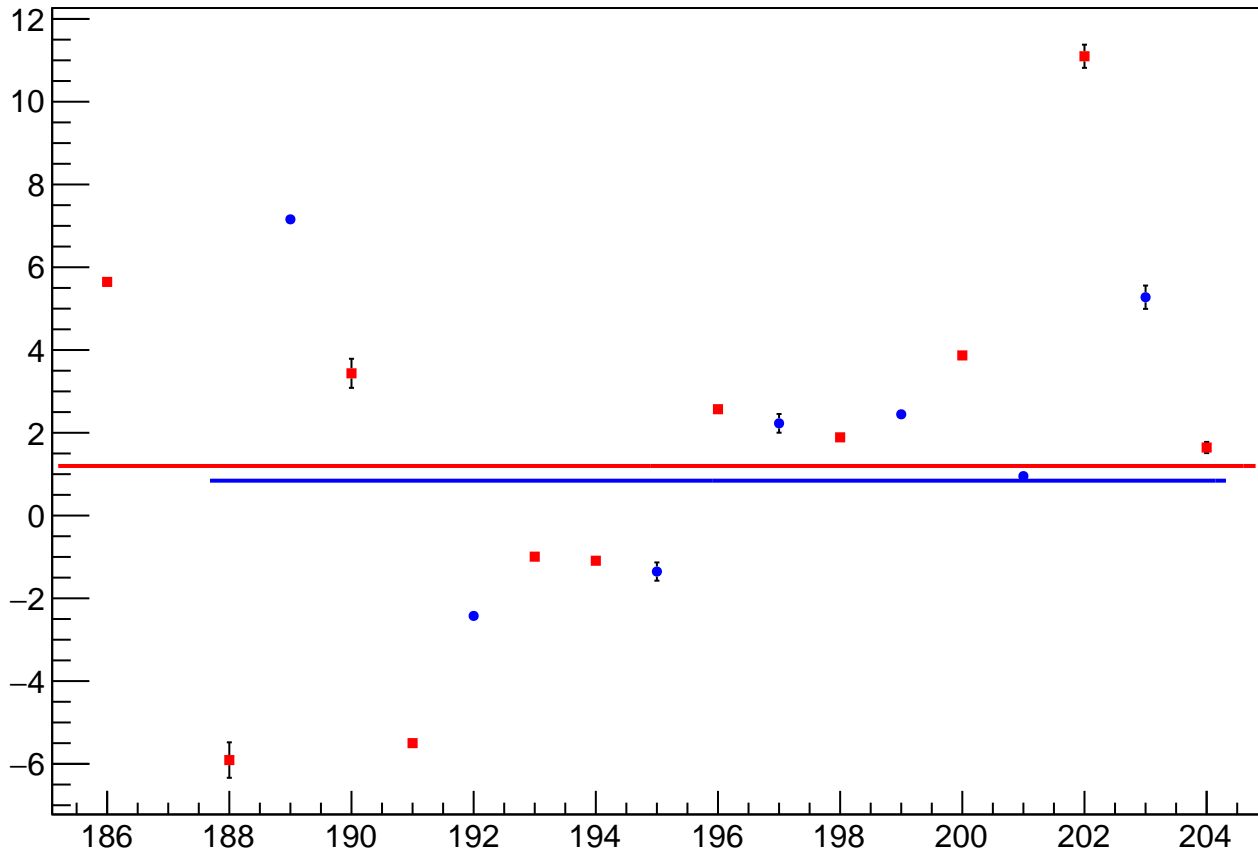
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.381+/-0.113  $\chi^2/\text{NDF}$ : 19269.7/17

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_11X12X\_slope vs Slug



Right In:  $0.843 \pm 0.028$   $\chi^2/\text{NDF}: 9890.9/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $1.198 \pm 0.026$   $\chi^2/\text{NDF}: 14778.6/10$

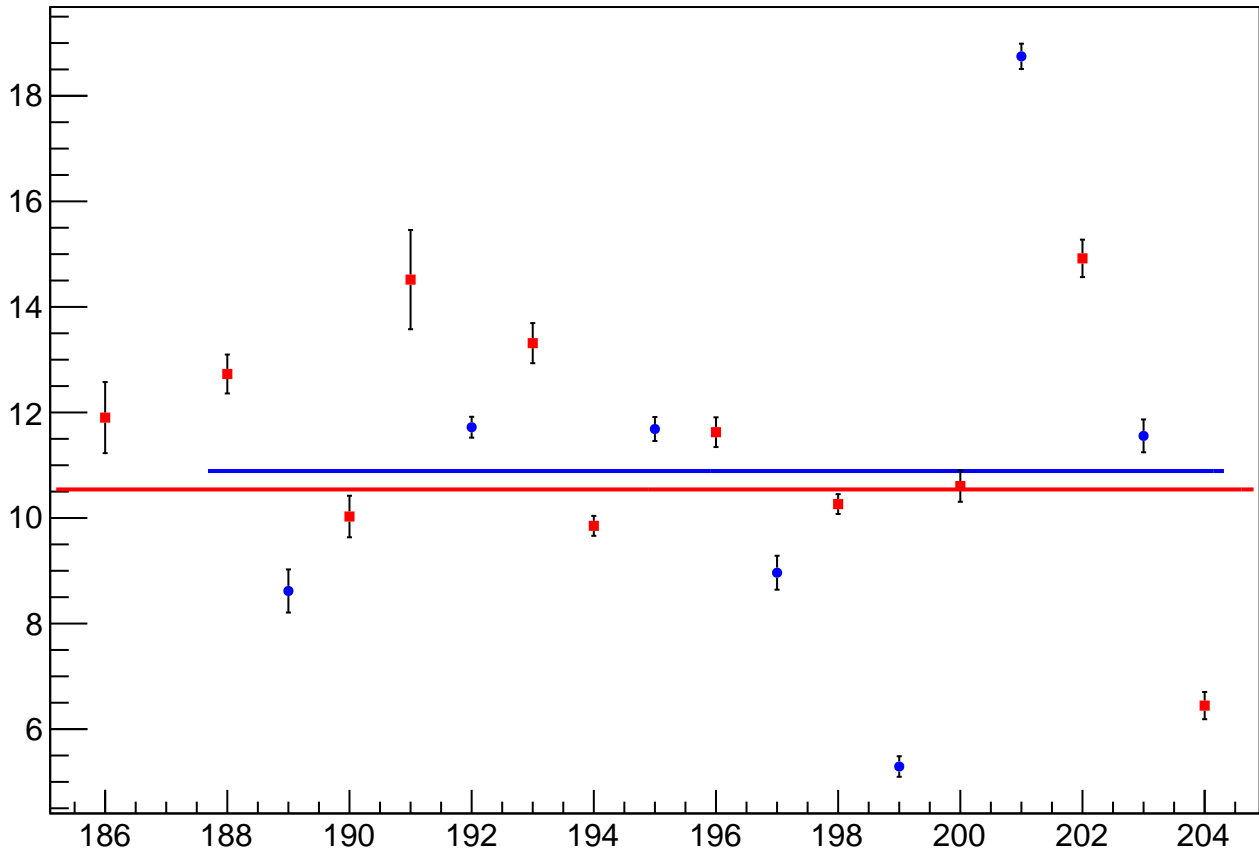
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $1.034 \pm 0.019$   $\chi^2/\text{NDF}: 24756.5/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atl1\_4aY\_slope vs Slug



Right In: 10.890 $\pm$ 0.093  $\chi^2$ /NDF: 1998.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 10.541 $\pm$ 0.089  $\chi^2$ /NDF: 546.1/10

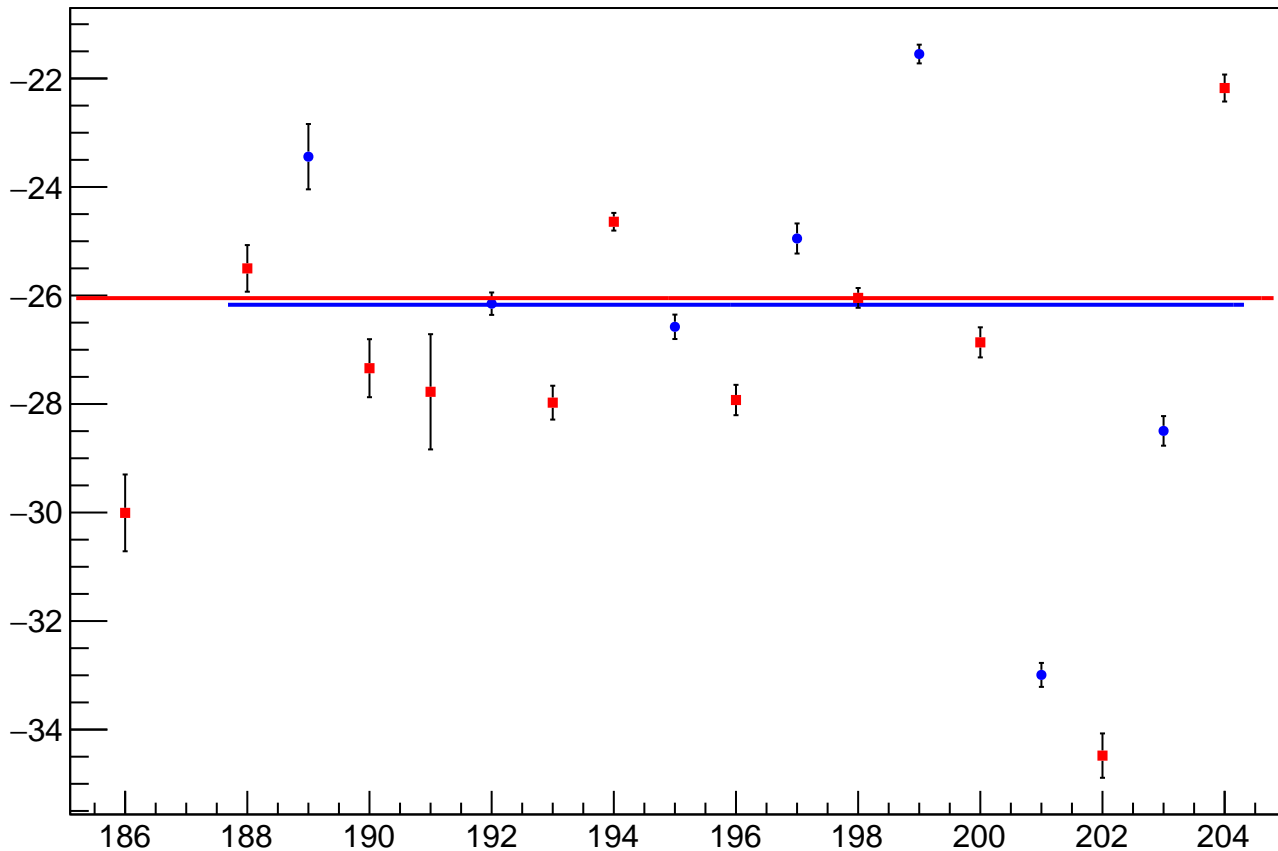
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.707 $\pm$ 0.064  $\chi^2$ /NDF: 2551.8/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4eY\_slope vs Slug



Right In:  $-26.171 \pm 0.089$   $\chi^2/\text{NDF}: 1788.1/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-26.049 \pm 0.085$   $\chi^2/\text{NDF}: 875.6/10$

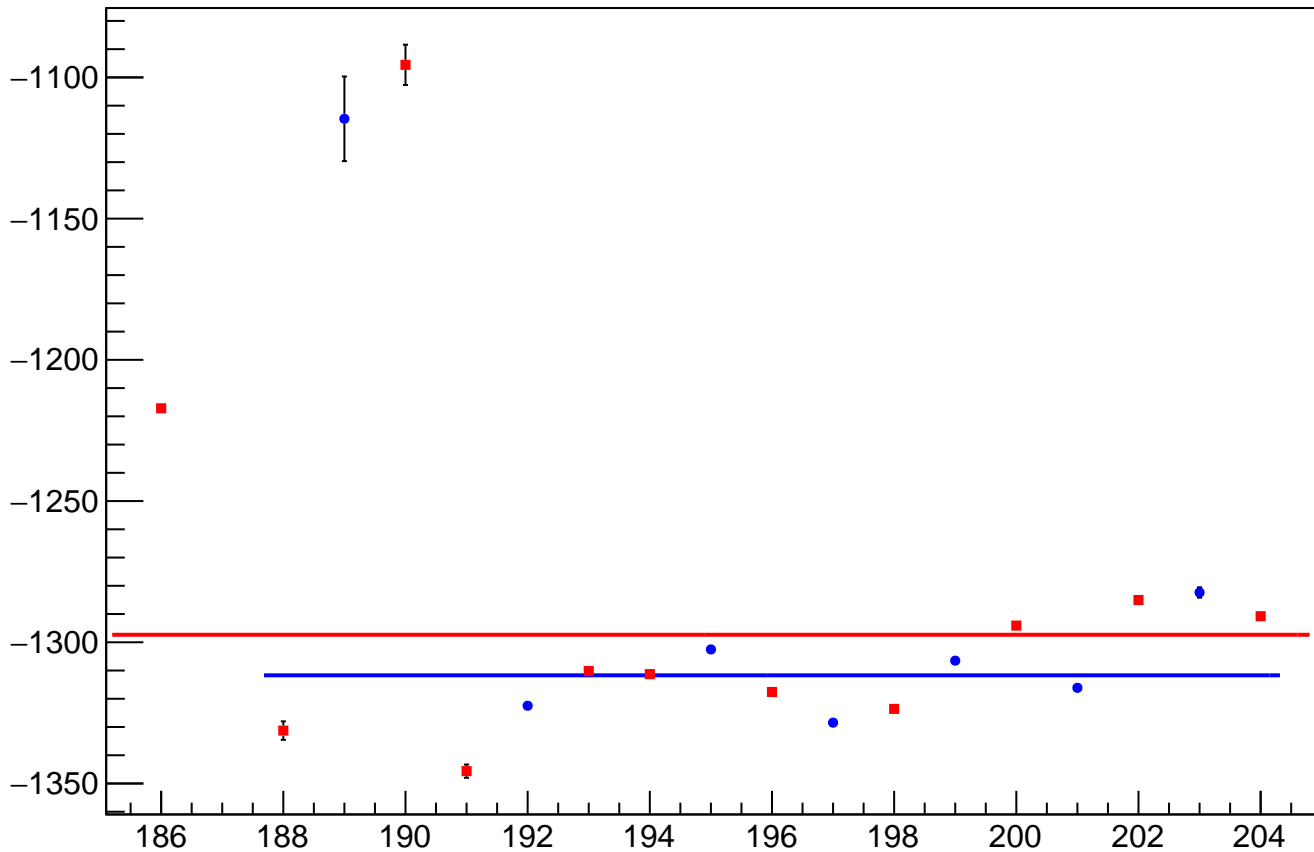
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-26.107 \pm 0.062$   $\chi^2/\text{NDF}: 2664.7/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atl2\_4aX\_slope vs Slug



Right In:  $-1311.700 \pm 0.267$   $\chi^2/\text{NDF}: 1152.5/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1297.341 \pm 0.218$   $\chi^2/\text{NDF}: 14708.7/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

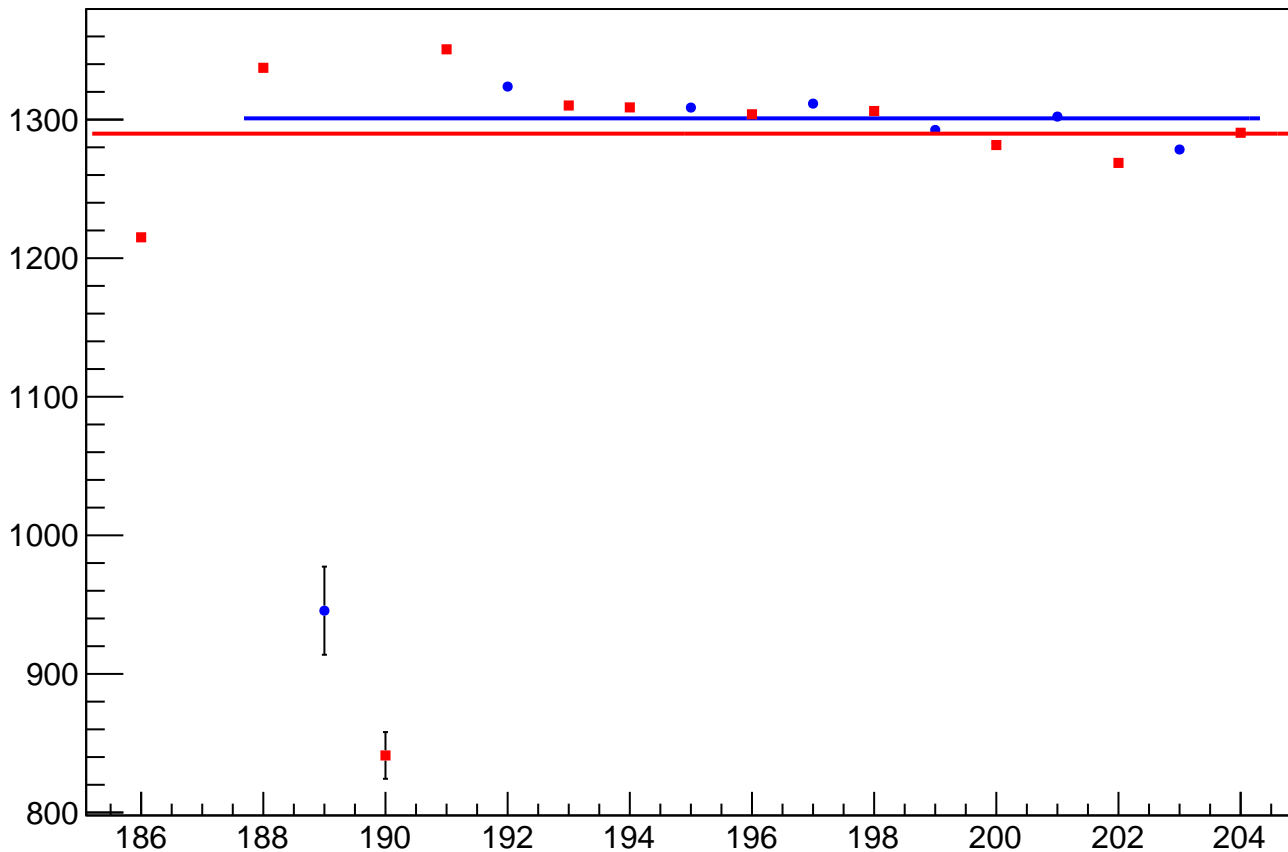
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1303.085 \pm 0.169$   $\chi^2/\text{NDF}: 17596.4/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# dit\_atl2\_4eX\_slope vs Slug



Right In: 1300.891+/-0.264  $\chi^2/\text{NDF}$ : 1658.8/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1289.861+/-0.216  $\chi^2/\text{NDF}$ : 14433.1/10

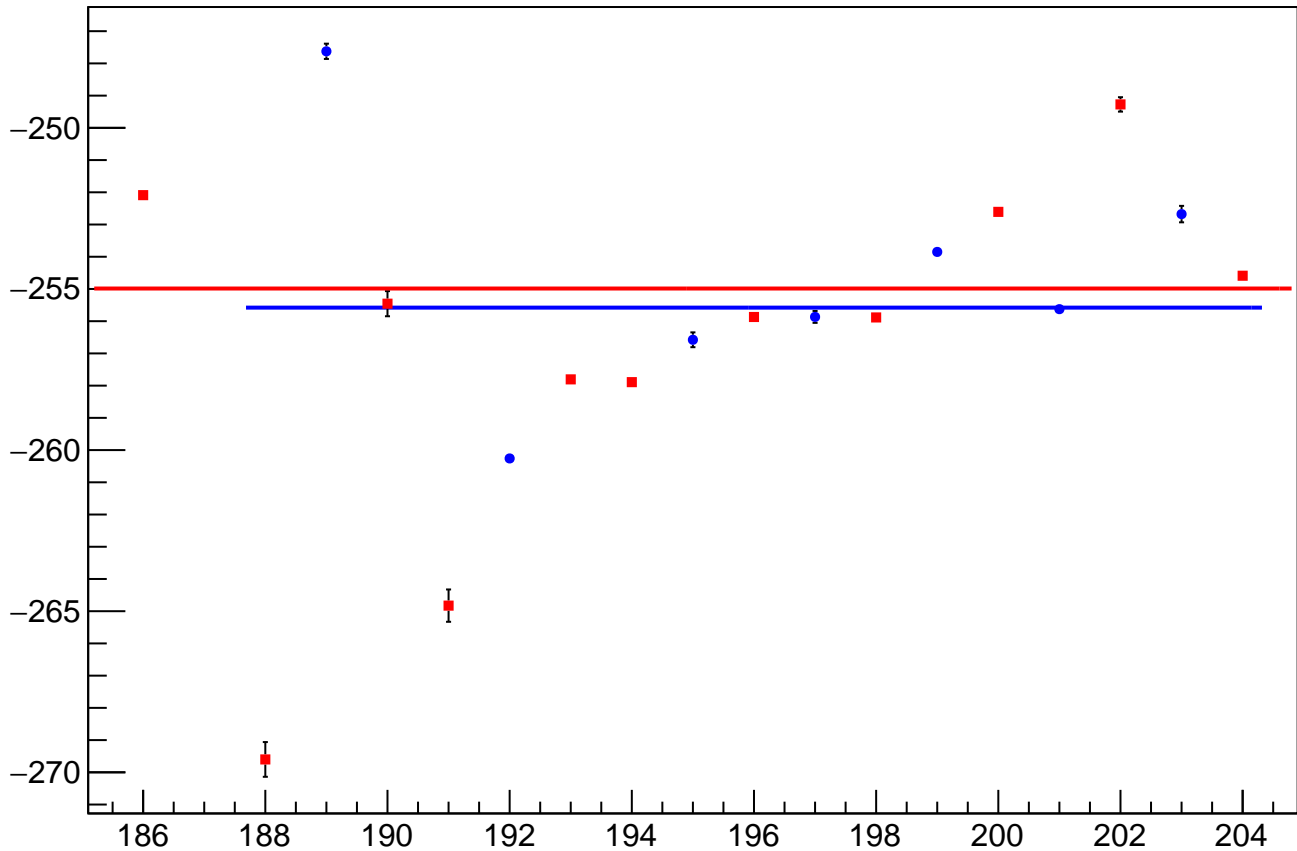
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1294.285+/-0.167  $\chi^2/\text{NDF}$ : 17136.9/17

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_11X12X\_slope vs Slug



Right In:  $-255.579 \pm 0.040$   $\chi^2/\text{NDF}$ : 4445.7/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-254.986 \pm 0.029$   $\chi^2/\text{NDF}$ : 8606.2/10

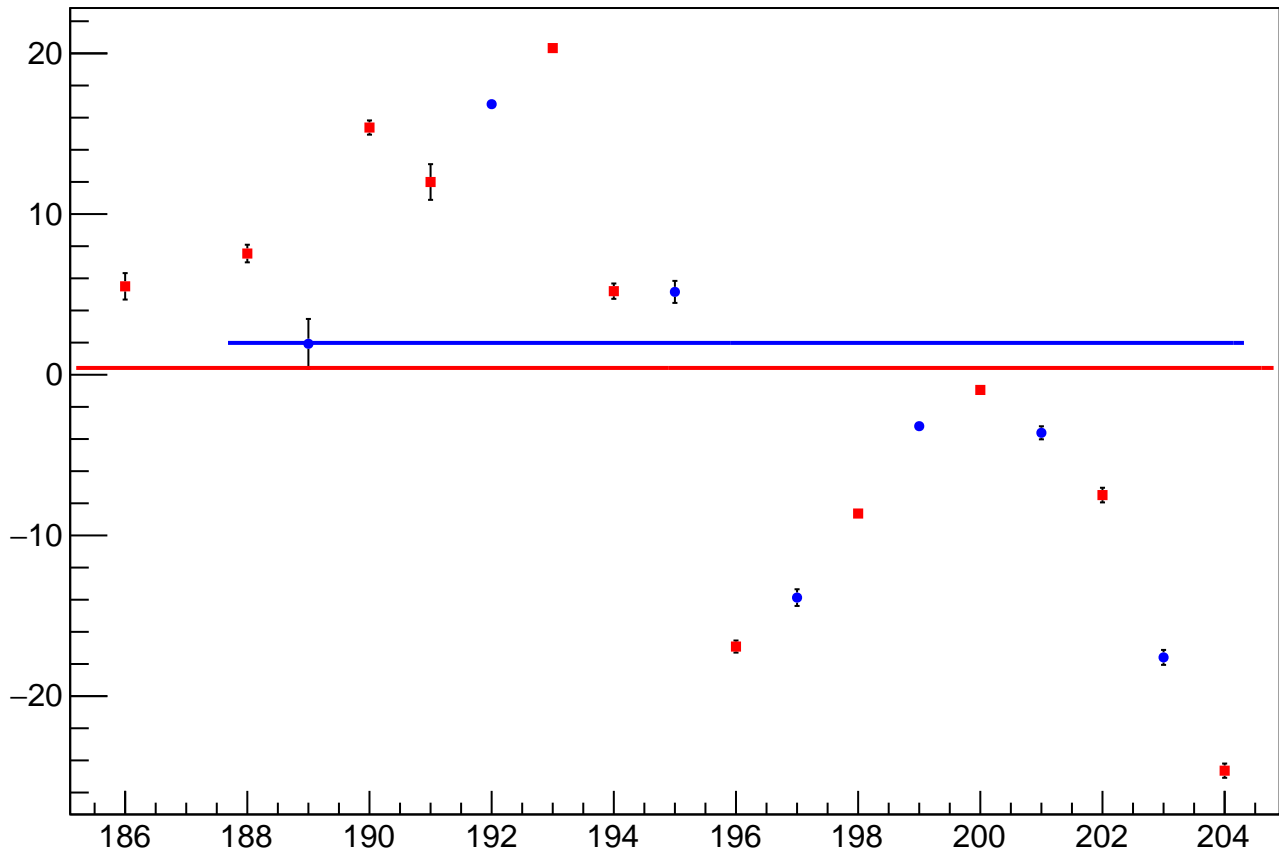
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-255.188 \pm 0.024$   $\chi^2/\text{NDF}$ : 13194.3/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_4aY\_slope vs Slug



Right In: 1.982 $\pm$ 0.153  $\chi^2$ /NDF: 6600.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.424 $\pm$ 0.102  $\chi^2$ /NDF: 18505.0/10

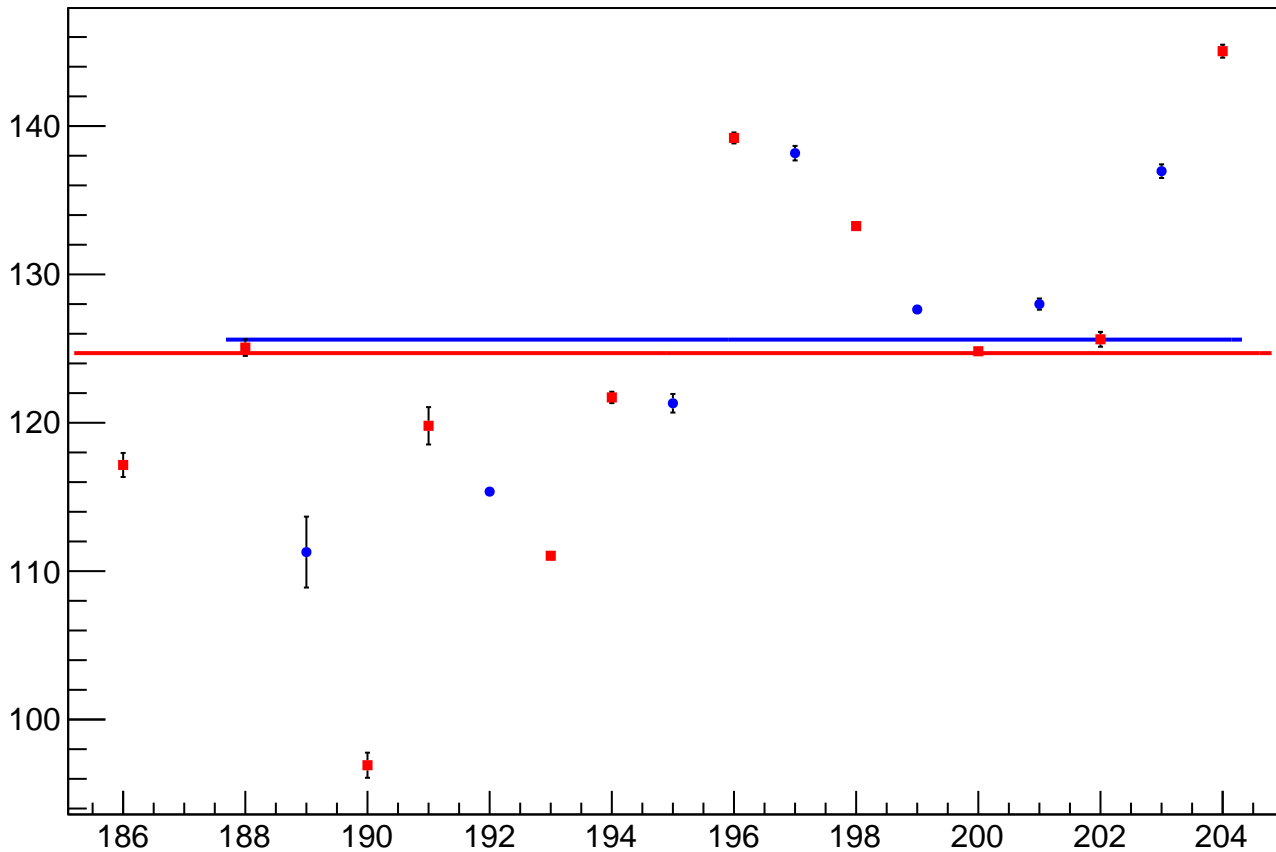
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.903 $\pm$ 0.085  $\chi^2$ /NDF: 25177.1/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_4eY\_slope vs Slug



Right In: 125.605 $\pm$ 0.147  $\chi^2$ /NDF: 2861.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 124.695 $\pm$ 0.096  $\chi^2$ /NDF: 13391.9/10

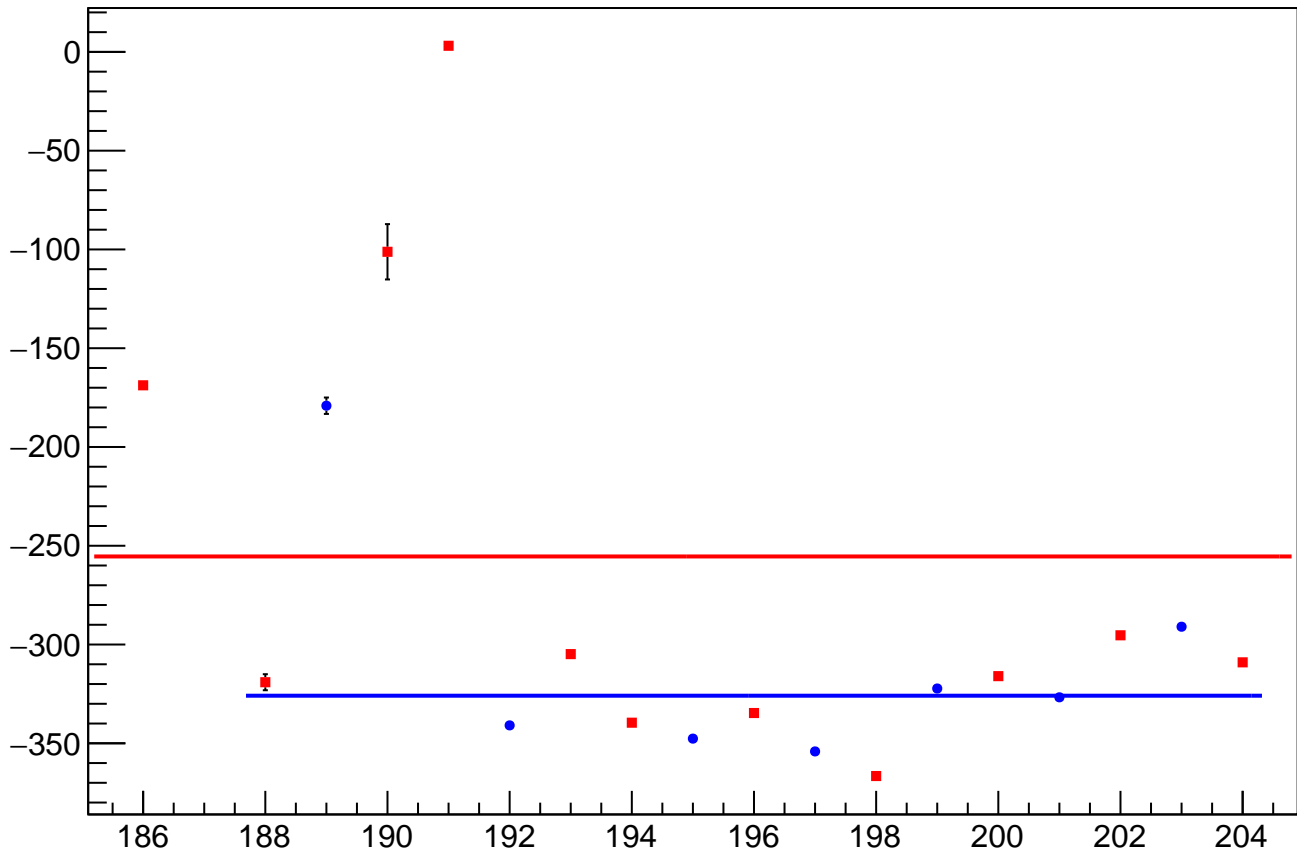
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 124.965 $\pm$ 0.080  $\chi^2$ /NDF: 16280.3/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_4aX\_slope vs Slug



Right In:  $-325.911 \pm 0.256$   $\chi^2/\text{NDF}: 2852.9/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-255.422 \pm 0.243$   $\chi^2/\text{NDF}: 282743.0/10$

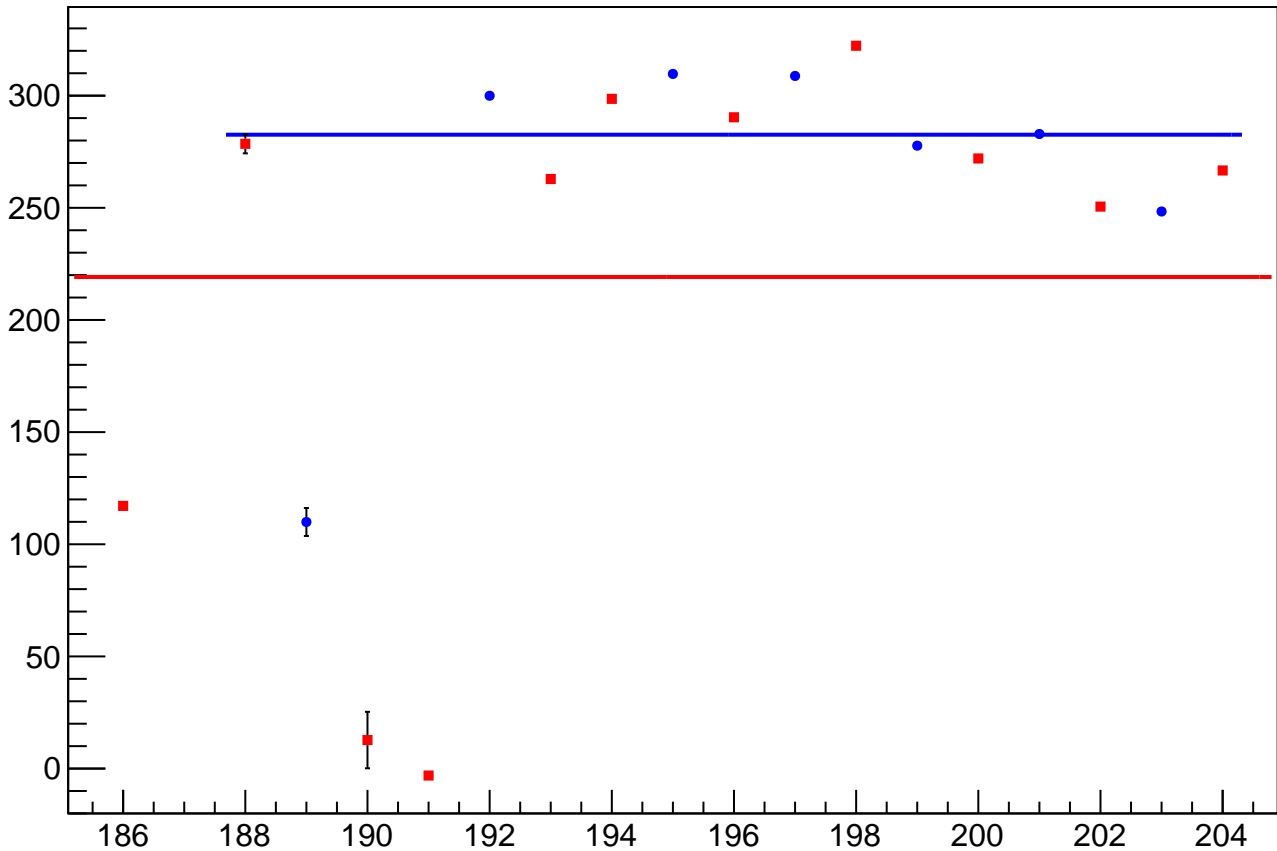
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-288.847 \pm 0.176$   $\chi^2/\text{NDF}: 325495.1/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atr1\_4eX\_slope vs Slug



Right In: 282.599 $\pm$ 0.260  $\chi^2$ /NDF: 2481.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 219.163 $\pm$ 0.247  $\chi^2$ /NDF: 213529.6/10

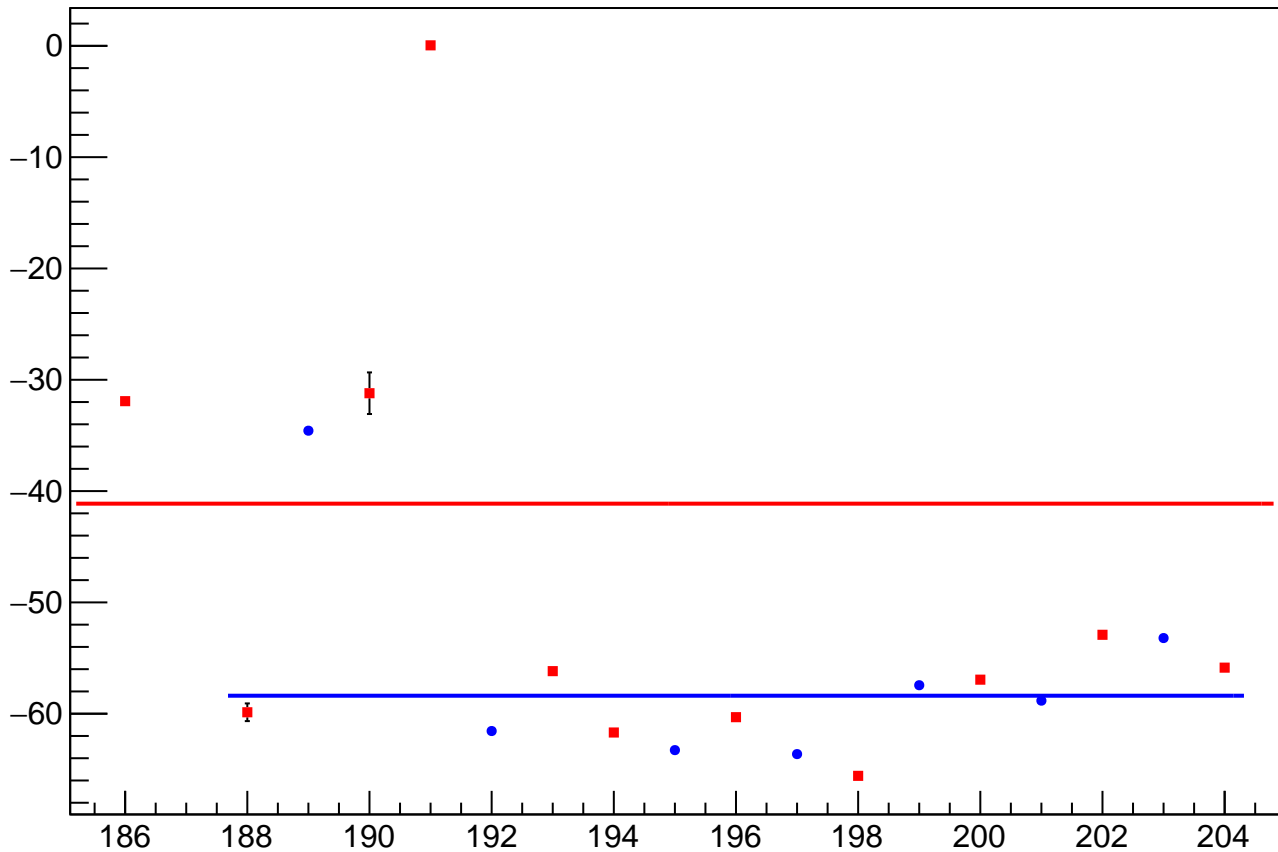
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 249.312 $\pm$ 0.179  $\chi^2$ /NDF: 247334.7/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_11X12X\_slope vs Slug



Right In:  $-58.384 \pm 0.042$   $\chi^2/\text{NDF}: 5770.9/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-41.130 \pm 0.032$   $\chi^2/\text{NDF}: 685082.9/10$

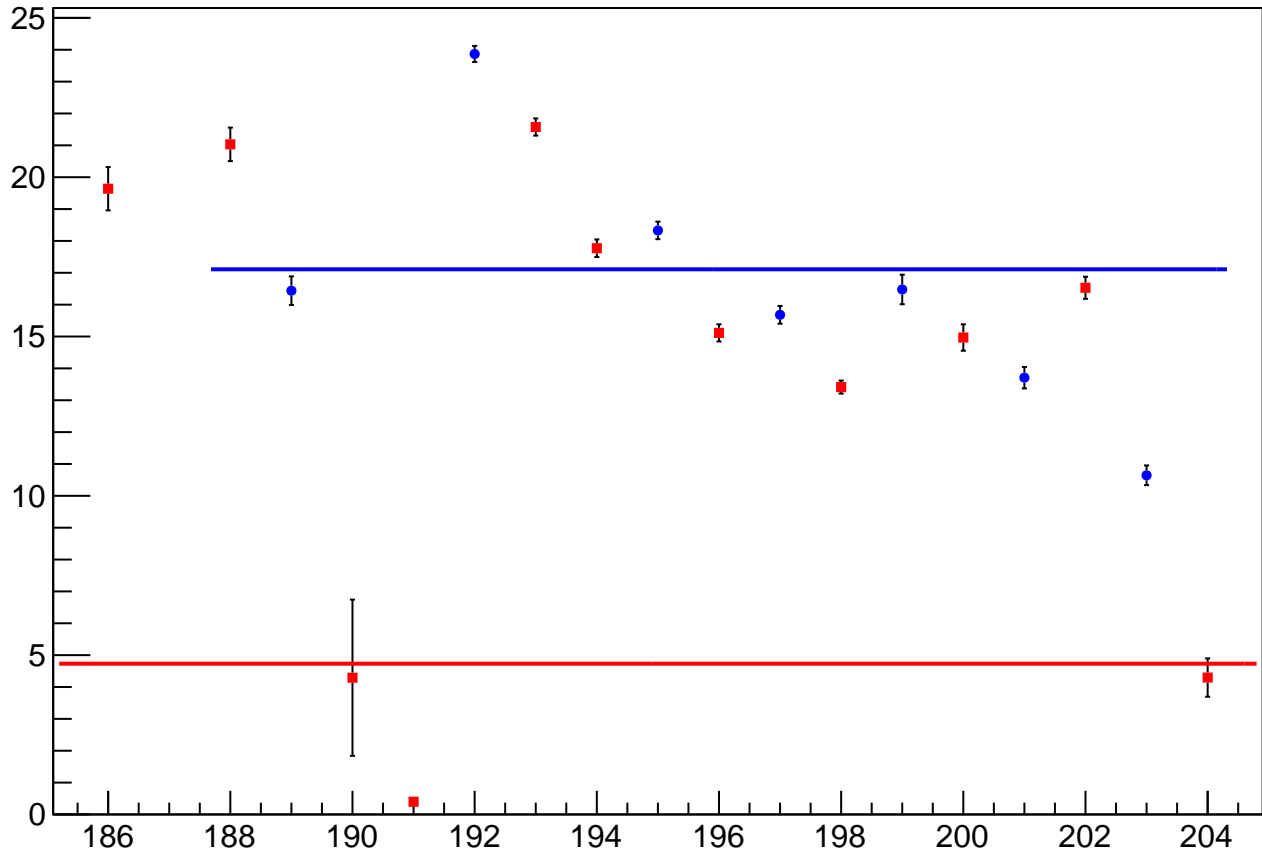
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-47.420 \pm 0.025$   $\chi^2/\text{NDF}: 798348.7/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atr1\_4aY\_slope vs Slug



Right In: 17.109+/-0.119  $\chi^2$ /NDF: 1307.0/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.732+/-0.056  $\chi^2$ /NDF: 16930.4/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

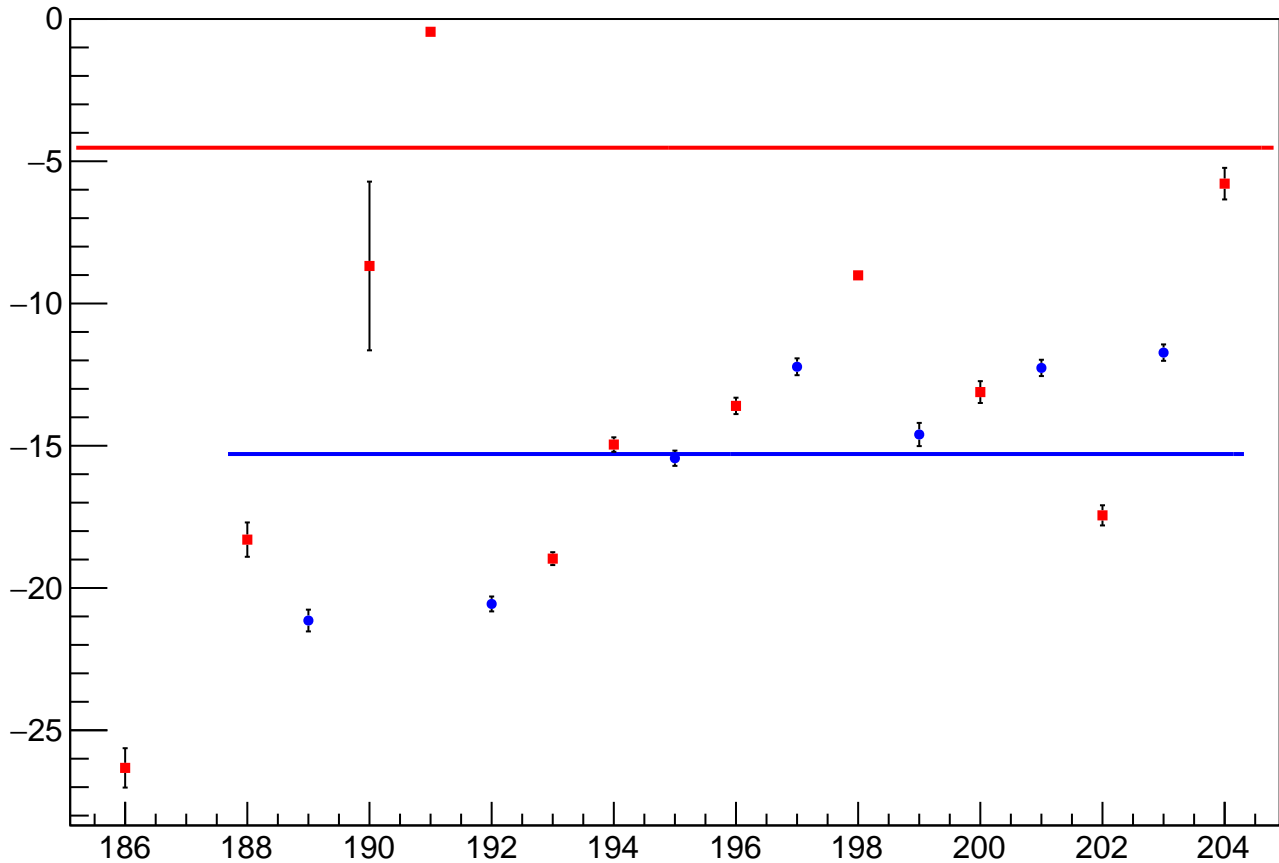
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 6.987+/-0.051  $\chi^2$ /NDF: 27111.2/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atr1\_4eY\_slope vs Slug



Right In:  $-15.291 \pm 0.114$   $\chi^2/\text{NDF}: 1012.5/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-4.524 \pm 0.053$   $\chi^2/\text{NDF}: 15107.5/10$

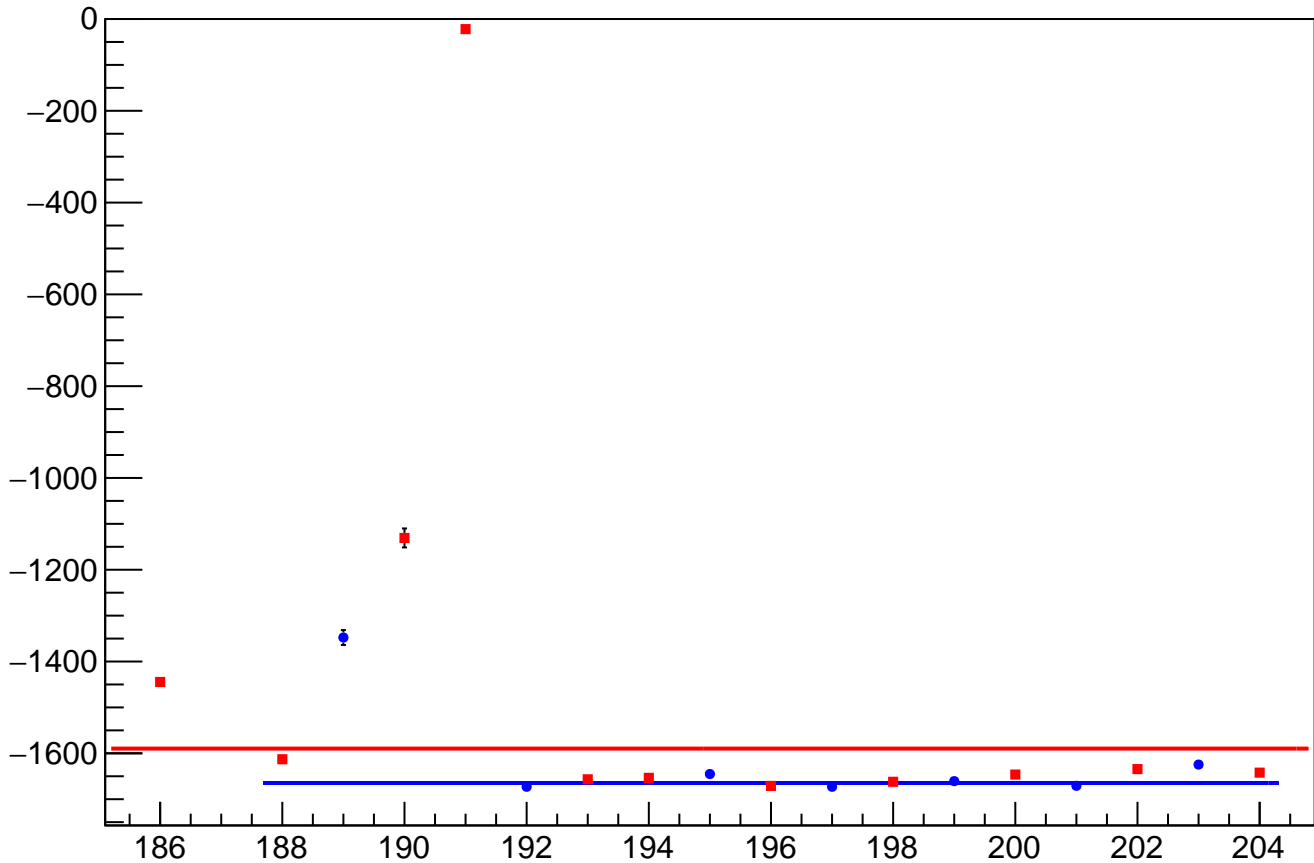
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-6.410 \pm 0.048$   $\chi^2/\text{NDF}: 23471.9/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atr2\_4aX\_slope vs Slug



Right In:  $-1664.663 \pm 0.364$   $\chi^2/\text{NDF}: 1224.3/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

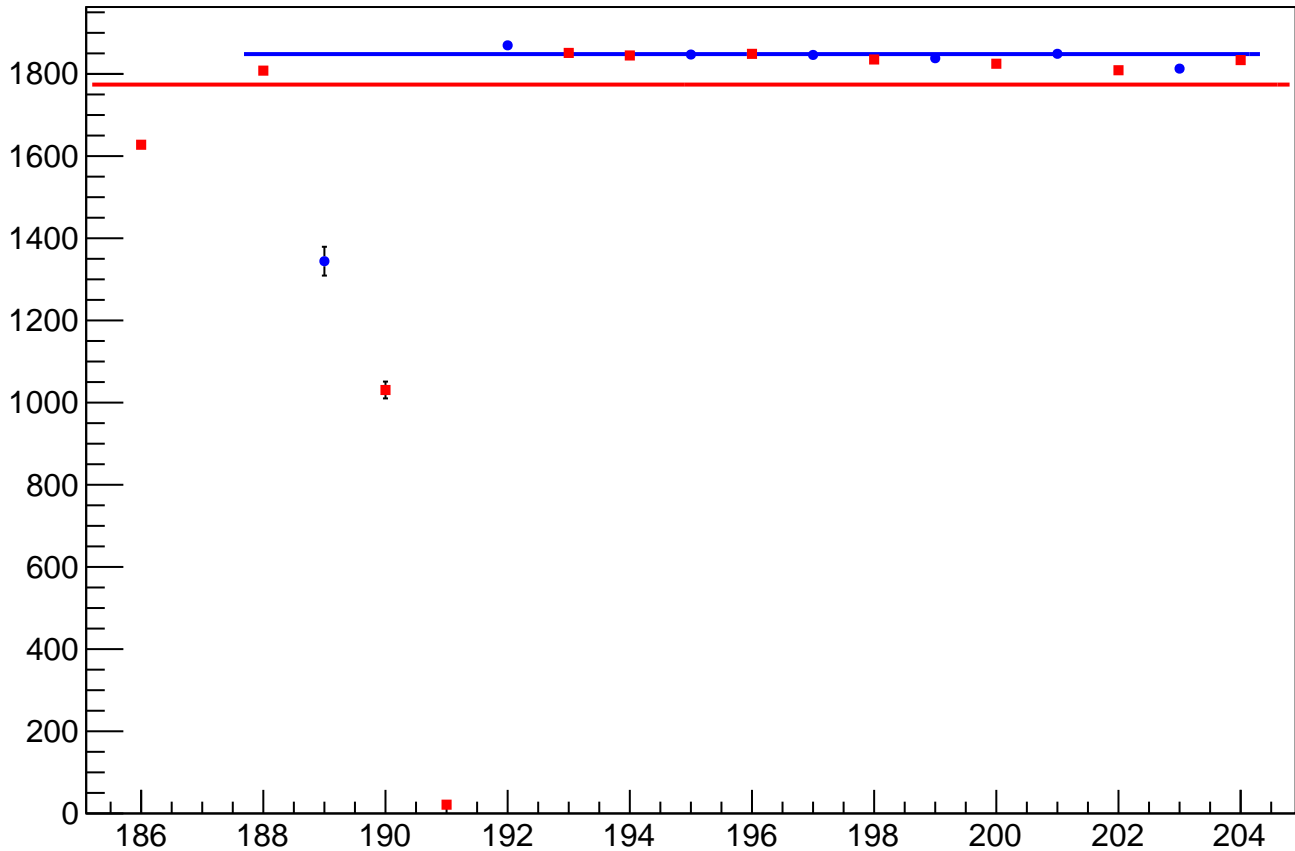
Right Out:  $-1589.729 \pm 0.271$   $\chi^2/\text{NDF}: 1266138.0/10$

All:  $-1616.517 \pm 0.217$   $\chi^2/\text{NDF}: 1294652.9/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atr2\_4eX\_slope vs Slug



Right In: 1848.286+/-0.367  $\chi^2$ /NDF: 1572.7/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1774.068+/-0.264  $\chi^2$ /NDF: 1511656.7/10

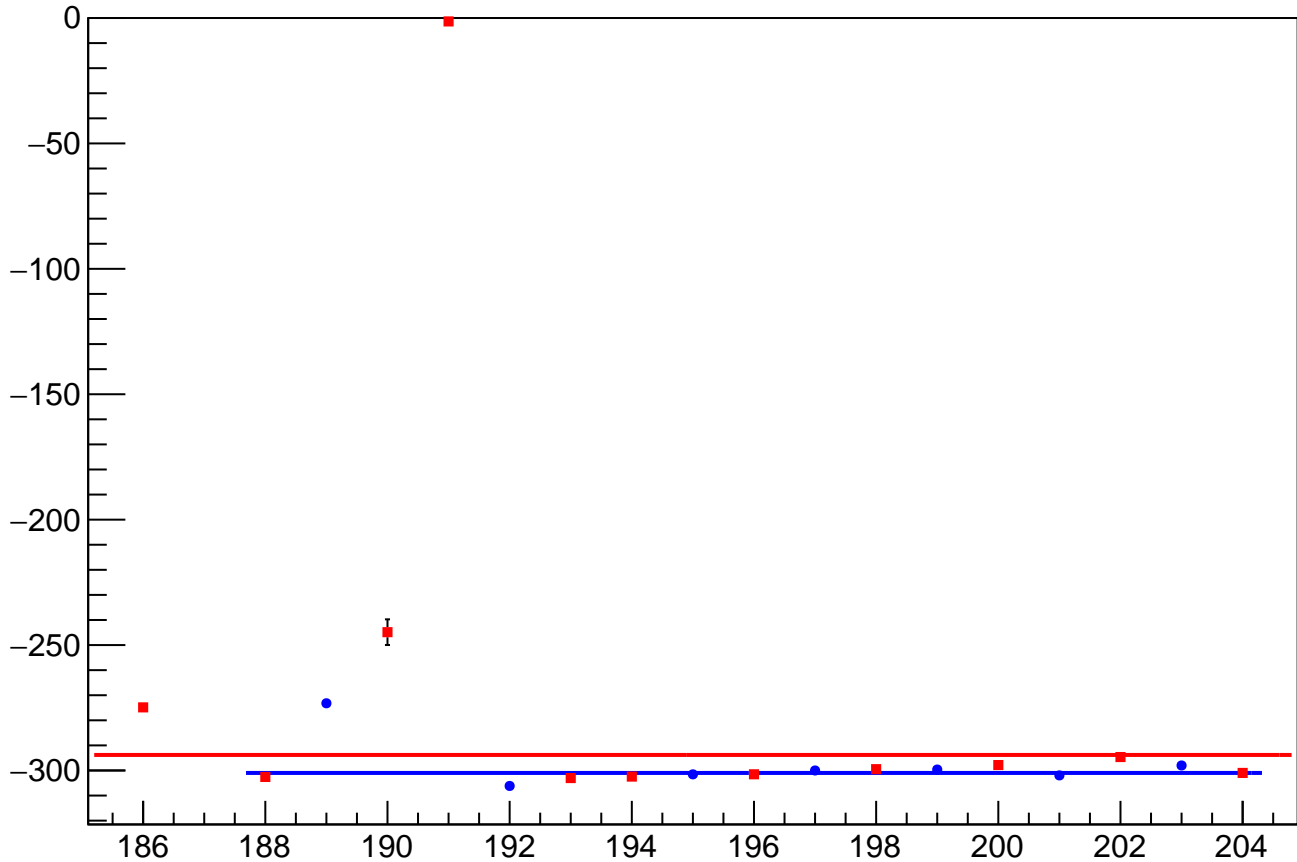
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1799.393+/-0.214  $\chi^2$ /NDF: 1540160.3/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_11X12X\_slope vs Slug



Right In:  $-300.981 \pm 0.050$   $\chi^2/\text{NDF}: 16530.2/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

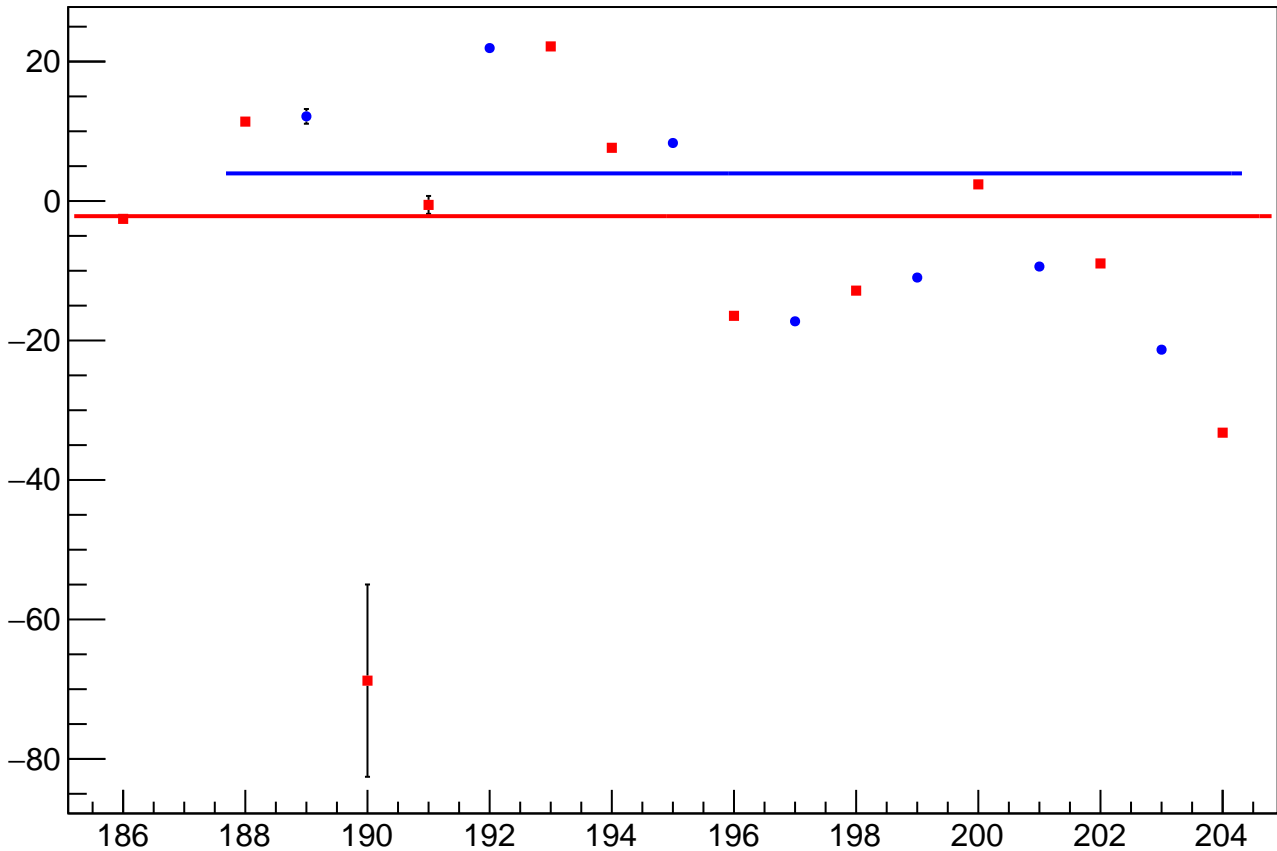
Right Out:  $-293.809 \pm 0.034$   $\chi^2/\text{NDF}: 1517467.9/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-296.061 \pm 0.028$   $\chi^2/\text{NDF}: 1547897.7/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atr2\_4aY\_slope vs Slug



Right In: 3.960 $\pm$ 0.160  $\chi^2$ /NDF: 10875.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.171 $\pm$ 0.152  $\chi^2$ /NDF: 9690.1/10

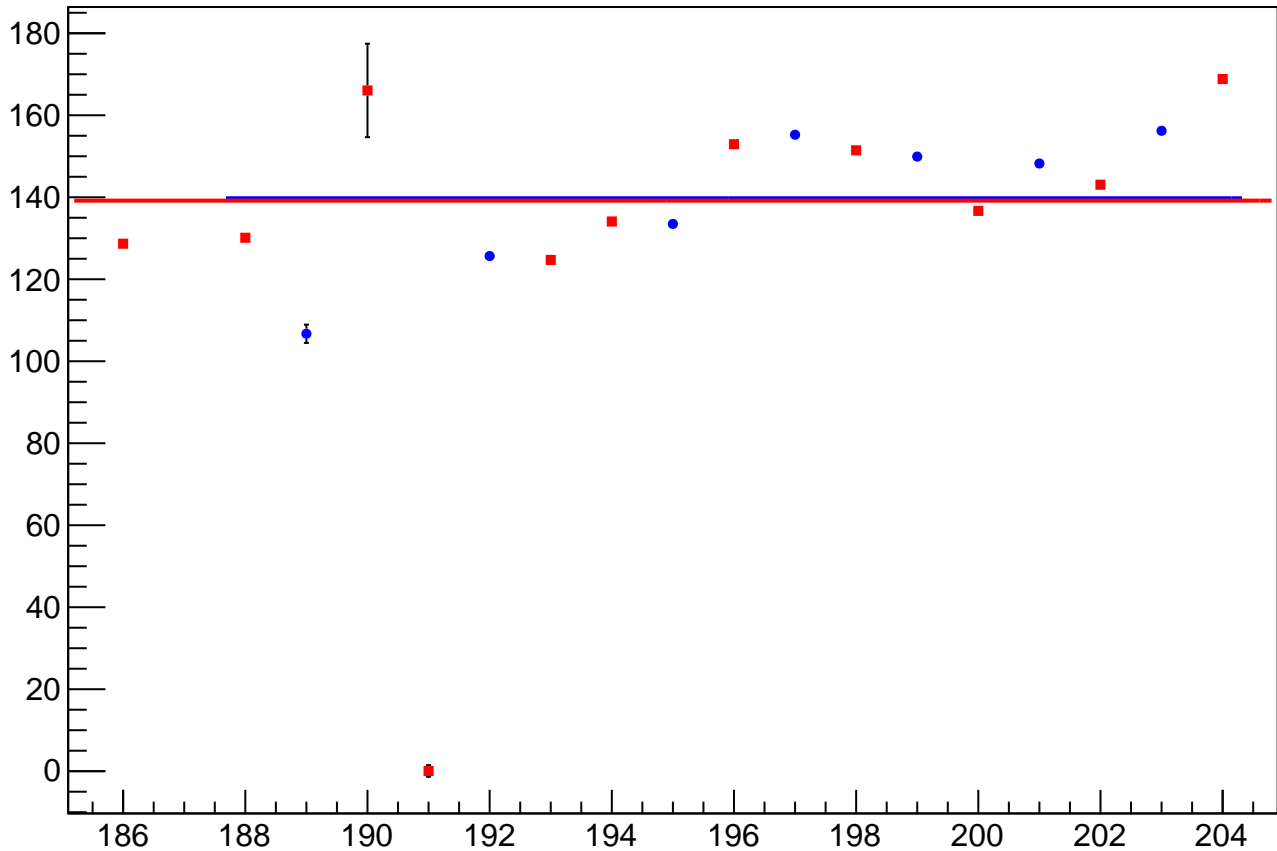
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.735 $\pm$ 0.110  $\chi^2$ /NDF: 21337.8/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_4eY\_slope vs Slug



Right In: 139.758 $\pm$ 0.146  $\chi^2$ /NDF: 7148.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 139.177 $\pm$ 0.140  $\chi^2$ /NDF: 17665.2/10

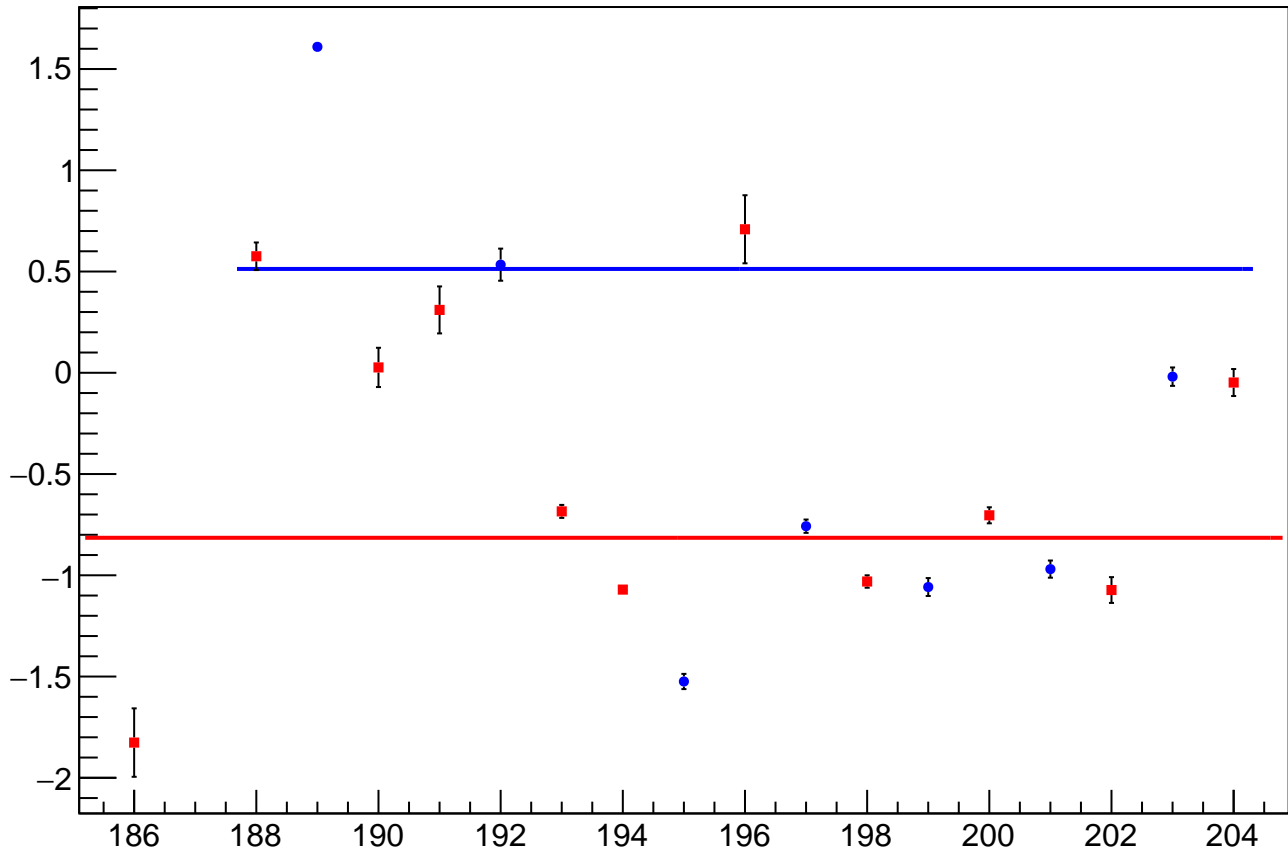
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 139.454 $\pm$ 0.101  $\chi^2$ /NDF: 24822.2/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_4aX\_slope vs Slug



Right In: 0.513 $\pm$ 0.012  $\chi^2$ /NDF: 11986.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.815 $\pm$ 0.013  $\chi^2$ /NDF: 1072.5/10

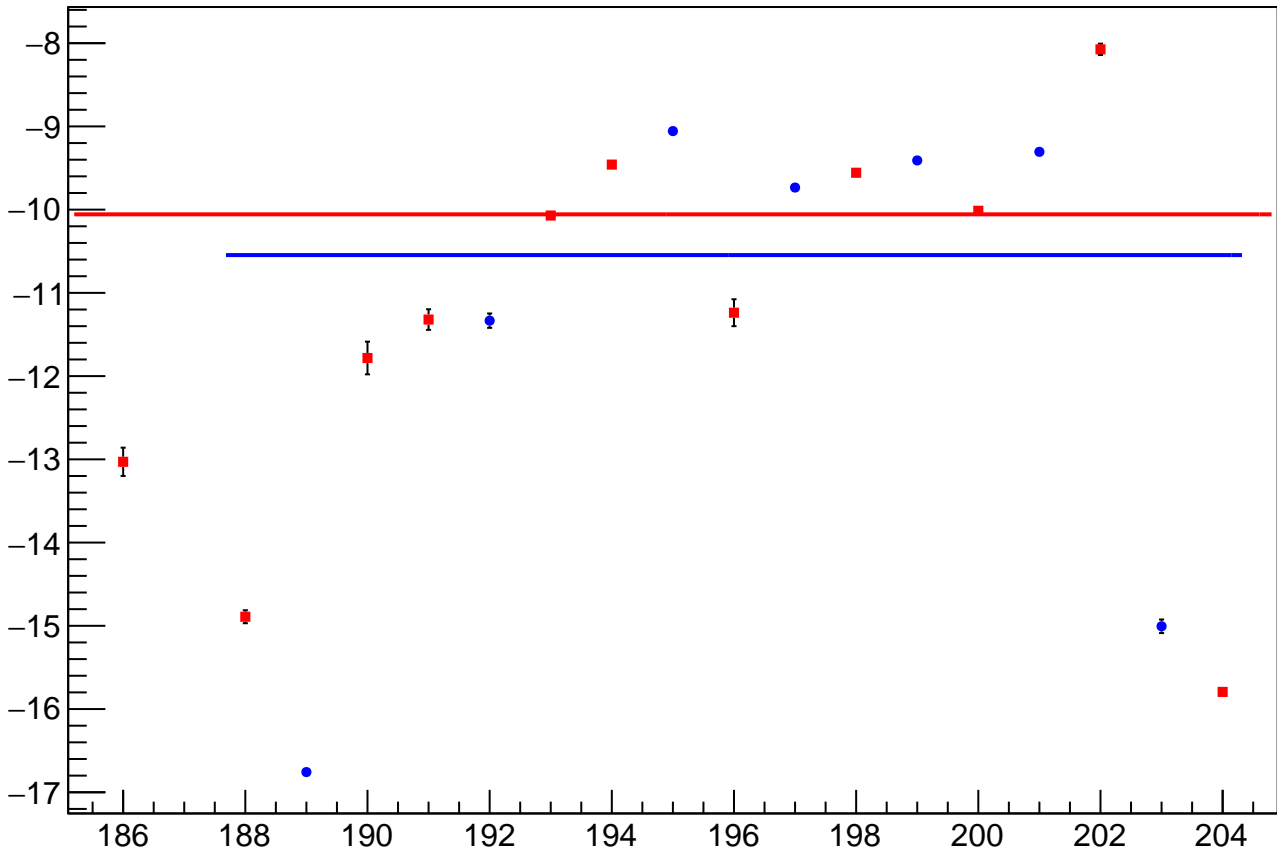
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.070 $\pm$ 0.009  $\chi^2$ /NDF: 18823.8/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_4eX\_slope vs Slug



Right In:  $-10.546 \pm 0.018$   $\chi^2/\text{NDF}$ : 18306.5/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-10.056 \pm 0.013$   $\chi^2/\text{NDF}$ : 16168.2/10

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

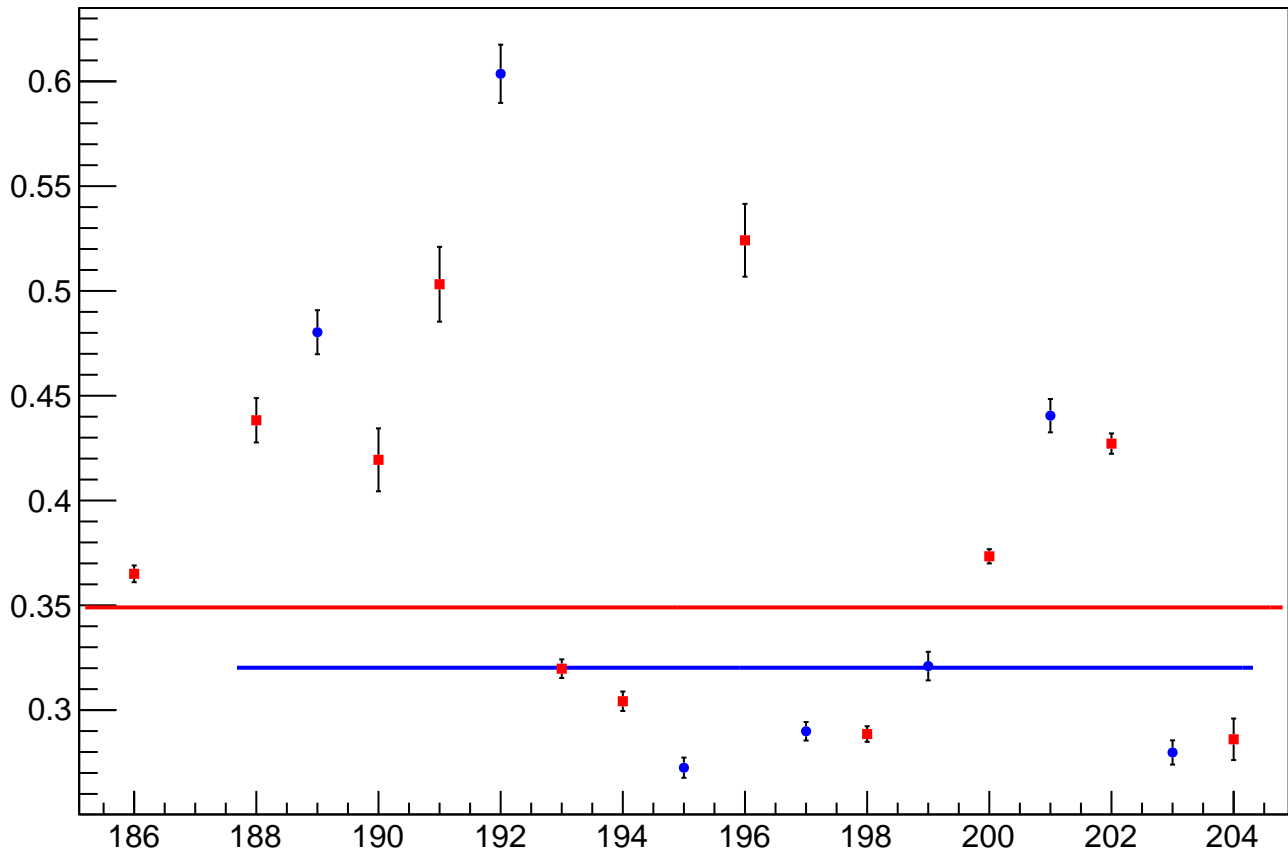
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-10.213 \pm 0.010$   $\chi^2/\text{NDF}$ : 34957.2/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam1\_11X12X\_slope vs Slug



Right In: 0.320+/-0.002  $\chi^2/\text{NDF}$ : 1071.4/6

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.349+/-0.002  $\chi^2/\text{NDF}$ : 1036.8/10

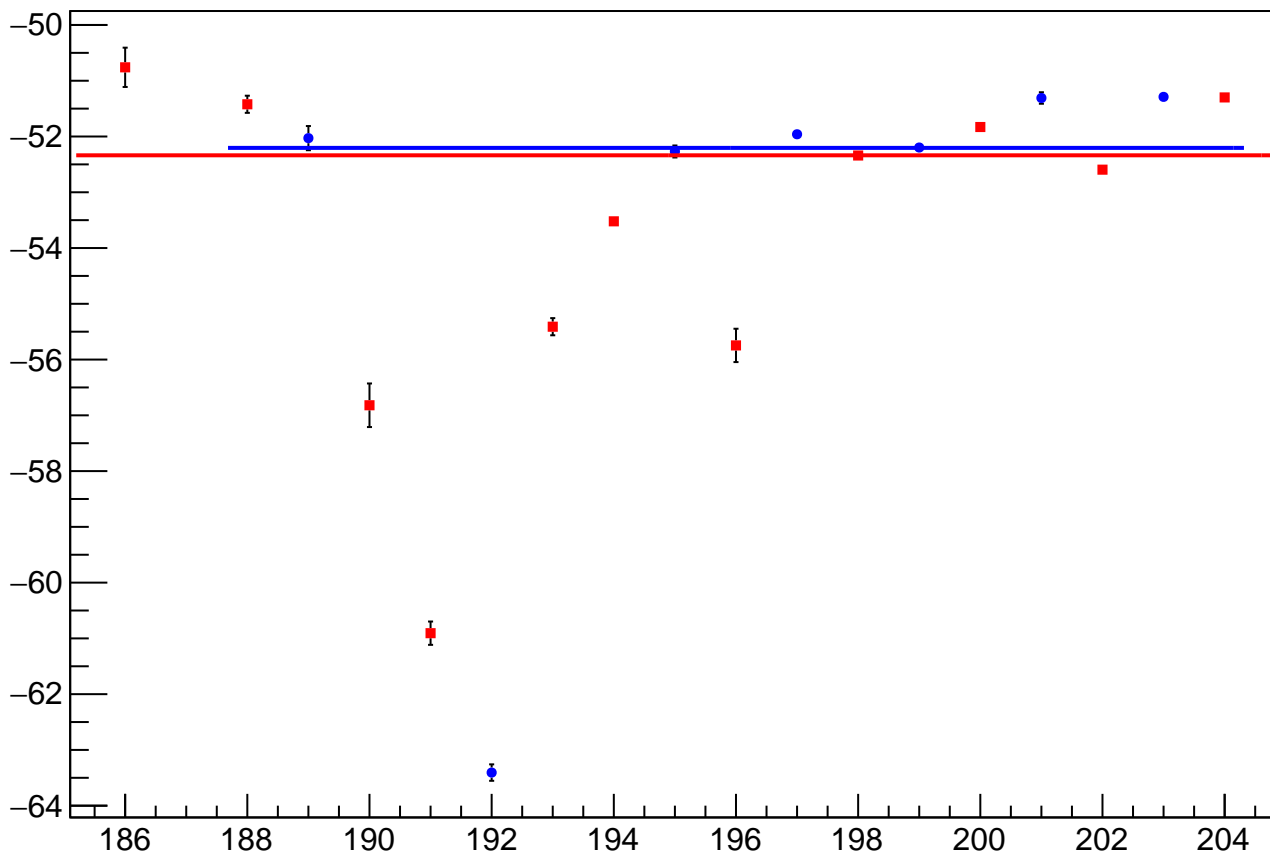
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.340+/-0.001  $\chi^2/\text{NDF}$ : 2208.7/17

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_4aY\_slope vs Slug



Right In:  $-52.204 \pm 0.024$   $\chi^2/\text{NDF}$ : 6198.4/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-52.337 \pm 0.018$   $\chi^2/\text{NDF}$ : 3539.0/10

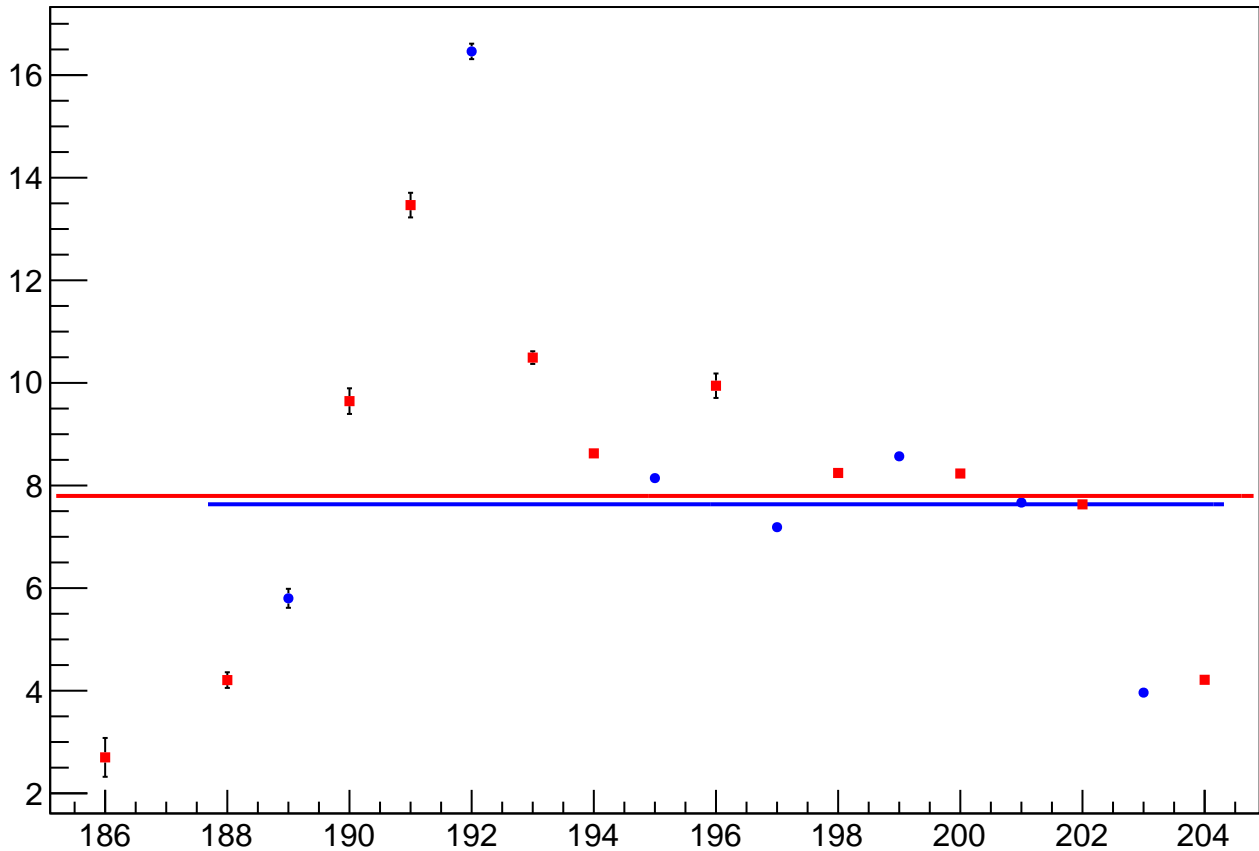
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-52.290 \pm 0.014$   $\chi^2/\text{NDF}$ : 9757.6/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_4eY\_slope vs Slug



Right In: 7.634 $\pm$ 0.025  $\chi^2$ /NDF: 7892.6/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.797 $\pm$ 0.019  $\chi^2$ /NDF: 6532.7/10

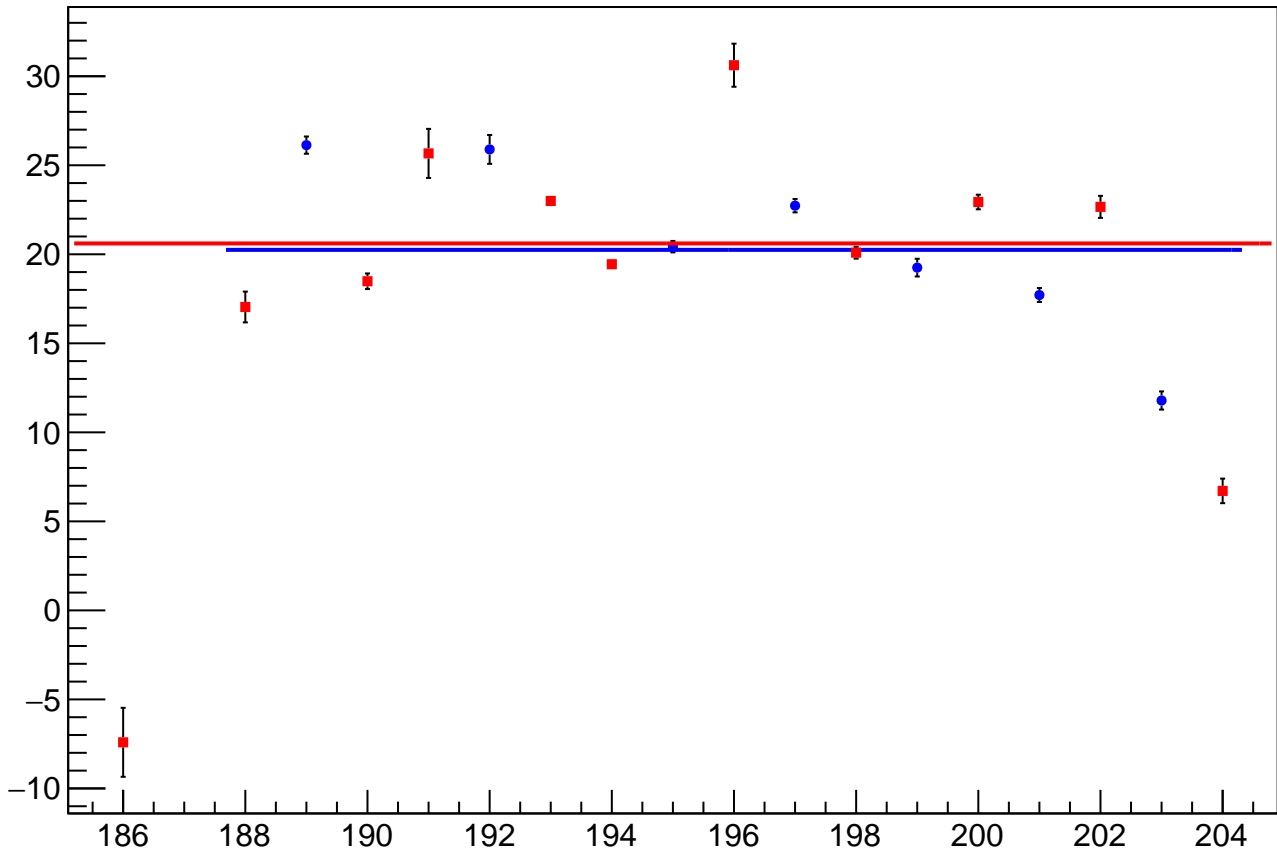
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.737 $\pm$ 0.015  $\chi^2$ /NDF: 14453.0/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4aX\_slope vs Slug



Right In: 20.248 $\pm$ 0.165  $\chi^2$ /NDF: 560.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 20.609 $\pm$ 0.115  $\chi^2$ /NDF: 952.2/10

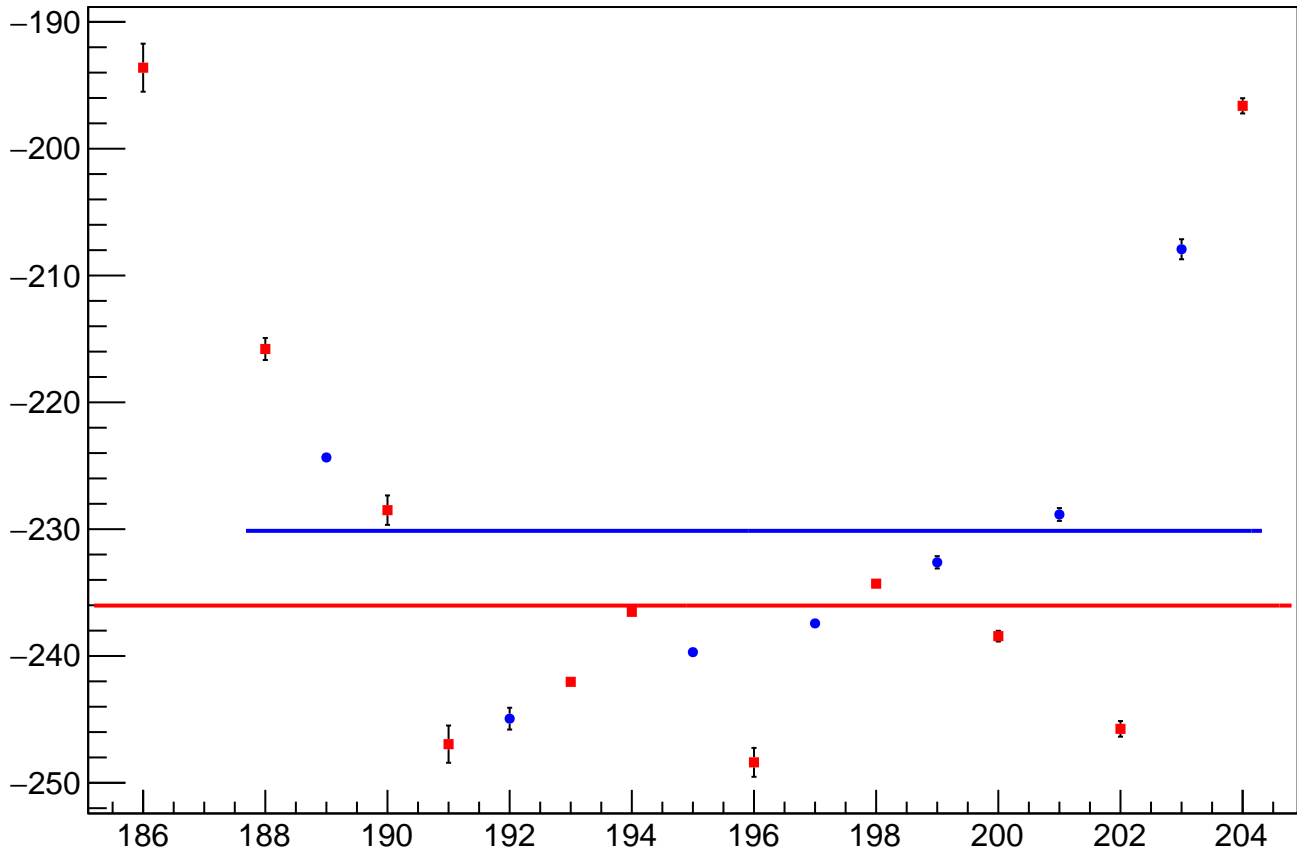
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 20.491 $\pm$ 0.094  $\chi^2$ /NDF: 1515.5/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4eX\_slope vs Slug



Right In:  $-230.132 \pm 0.141$   $\chi^2/\text{NDF}$ : 3109.1/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-236.024 \pm 0.130$   $\chi^2/\text{NDF}$ : 6485.2/10

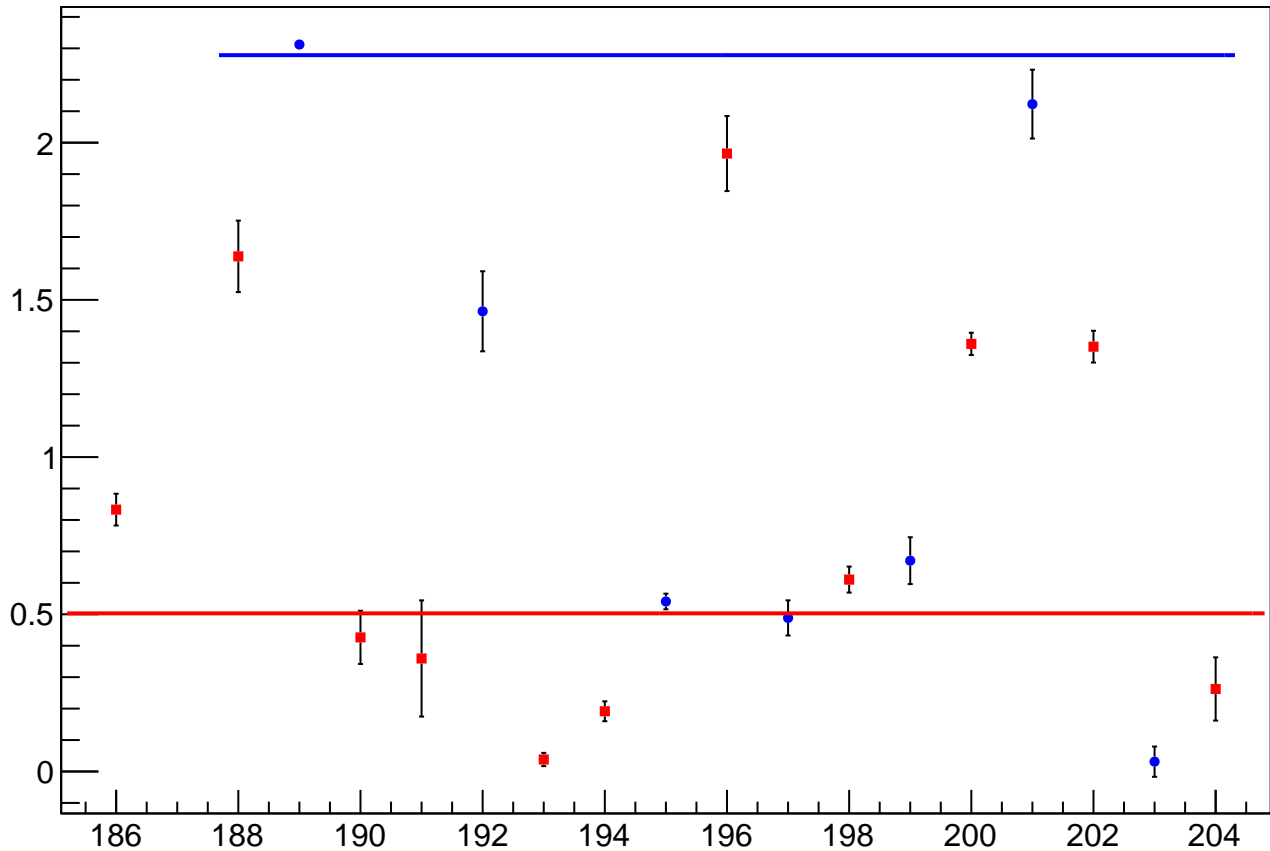
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-233.332 \pm 0.096$   $\chi^2/\text{NDF}$ : 10537.7/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_11X12X\_slope vs Slug



Right In: 2.278 $\pm$ 0.003  $\chi^2$ /NDF: 8756.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.503 $\pm$ 0.013  $\chi^2$ /NDF: 1755.0/10

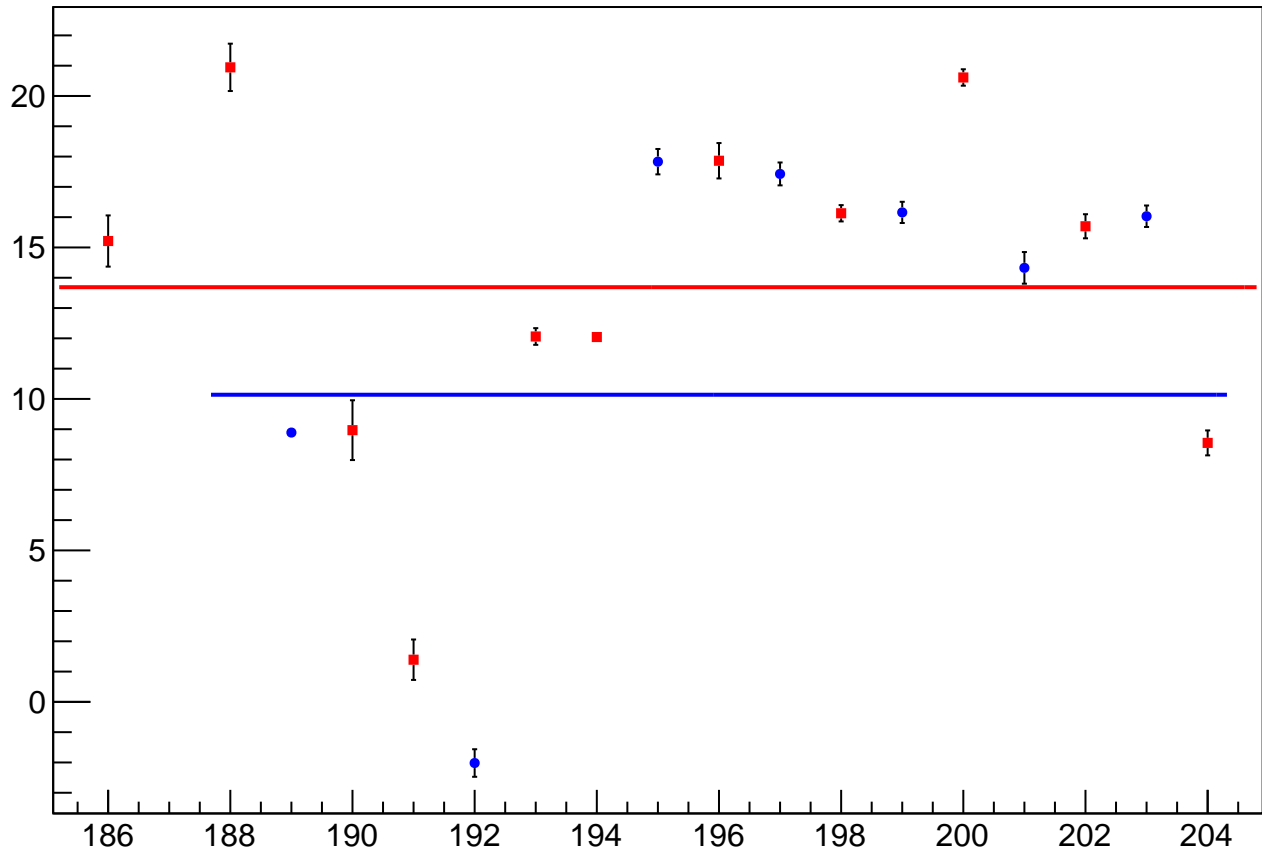
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.208 $\pm$ 0.003  $\chi^2$ /NDF: 28152.4/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4aY\_slope vs Slug



Right In: 10.139 $\pm$ 0.080  $\chi^2$ /NDF: 2243.9/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.688 $\pm$ 0.094  $\chi^2$ /NDF: 1589.2/10

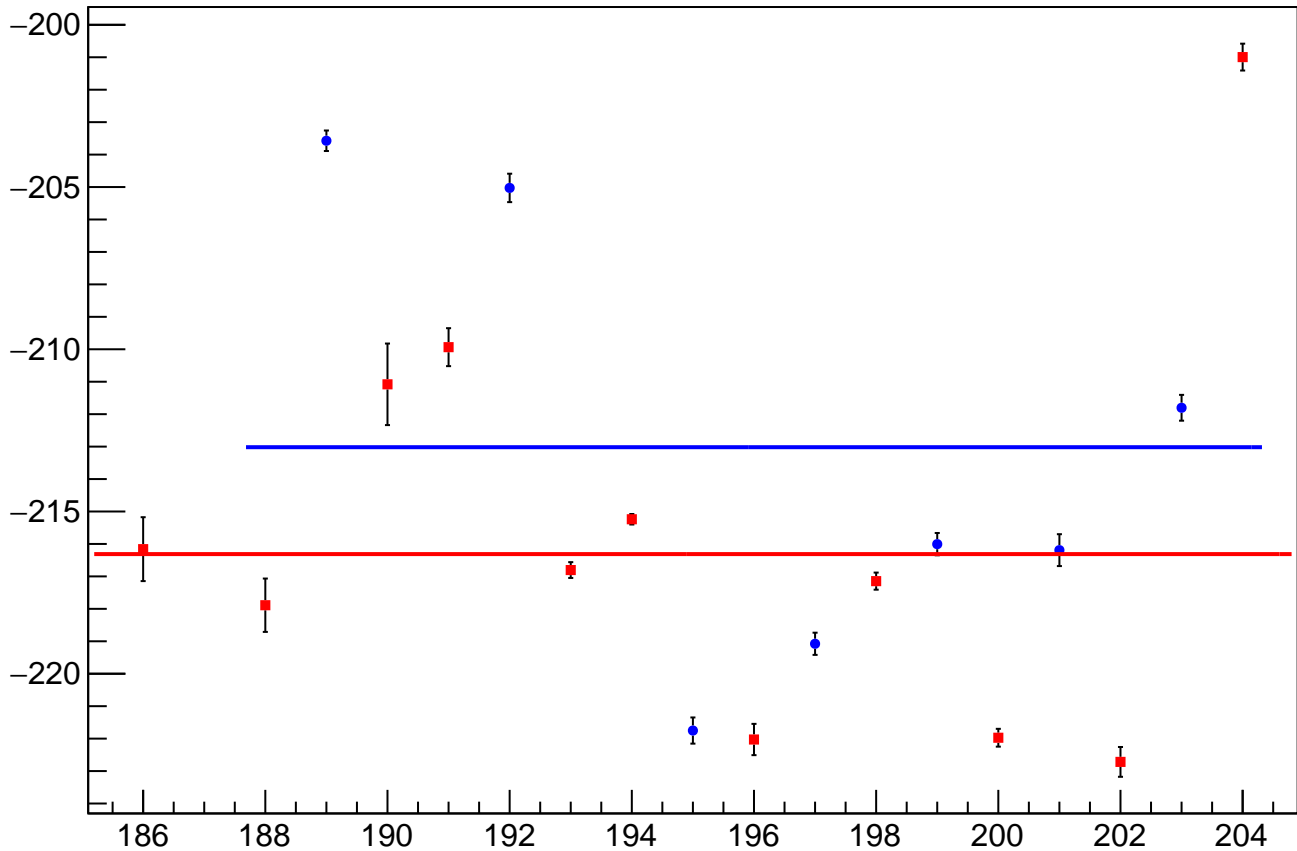
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 11.627 $\pm$ 0.061  $\chi^2$ /NDF: 4654.5/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4eY\_slope vs Slug



Right In:  $-213.018 \pm 0.143$   $\chi^2/\text{NDF}$ : 2135.8/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-216.313 \pm 0.098$   $\chi^2/\text{NDF}$ : 2327.7/10

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

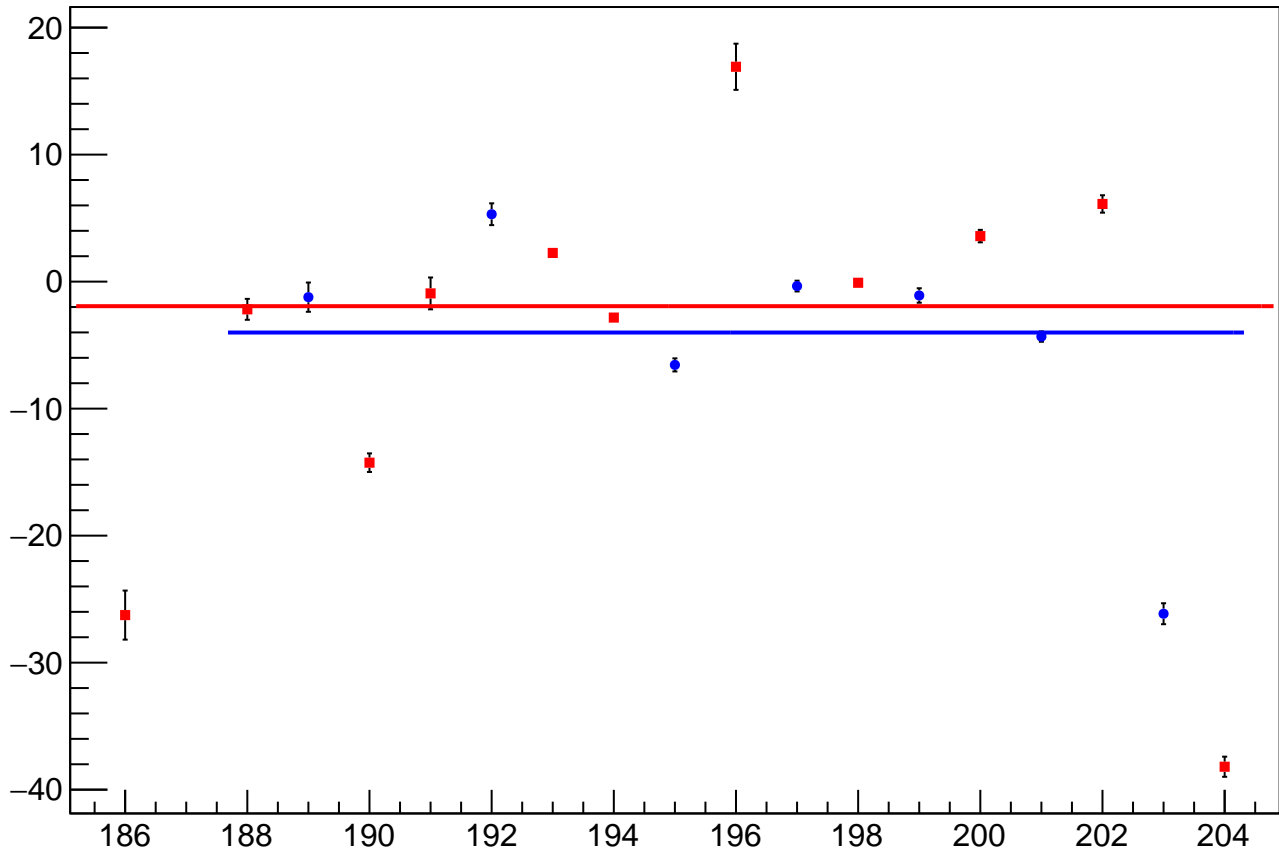
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-215.259 \pm 0.081$   $\chi^2/\text{NDF}$ : 4824.1/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam3\_4aX\_slope vs Slug



Right In:  $-4.008 \pm 0.213$   $\chi^2/\text{NDF}$ : 970.1/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.934 \pm 0.130$   $\chi^2/\text{NDF}$ : 3148.9/10

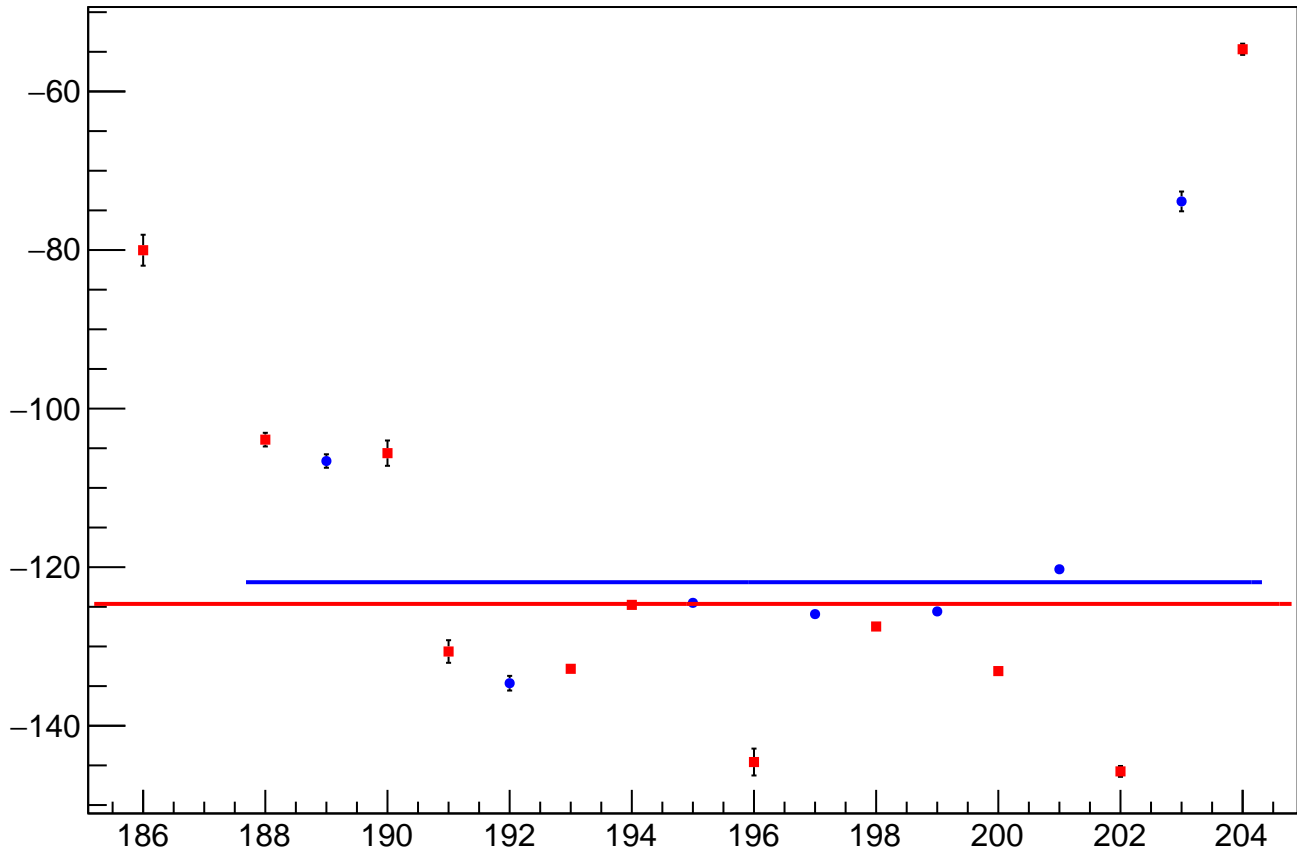
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.494 \pm 0.111$   $\chi^2/\text{NDF}$ : 4188.1/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4eX\_slope vs Slug



Right In:  $-121.895 \pm 0.224$   $\chi^2/\text{NDF}$ : 2167.8/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-124.632 \pm 0.136$   $\chi^2/\text{NDF}$ : 13124.9/10

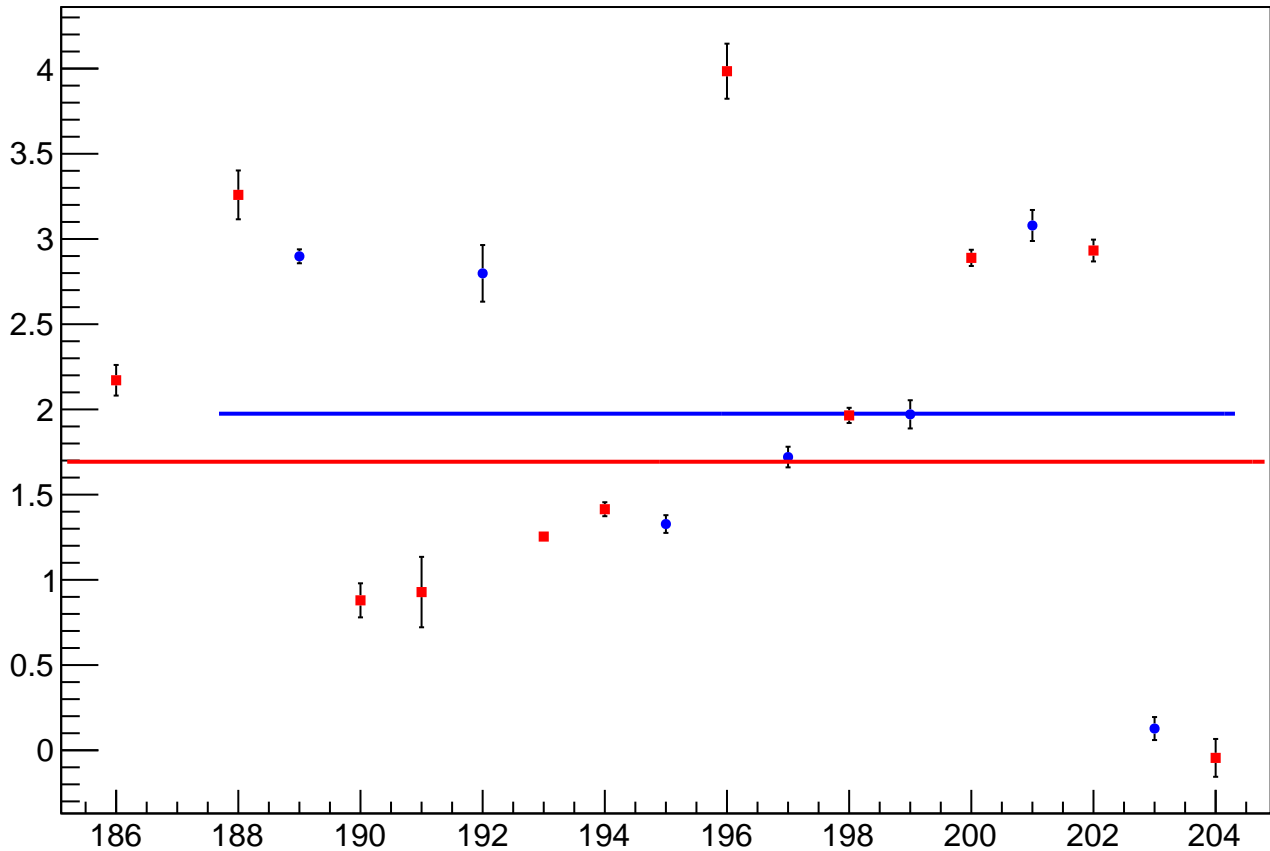
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-123.893 \pm 0.116$   $\chi^2/\text{NDF}$ : 15401.6/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_11X12X\_slope vs Slug



Right In: 1.975 $\pm$ 0.024  $\chi^2$ /NDF: 1602.8/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.693 $\pm$ 0.016  $\chi^2$ /NDF: 2108.4/10

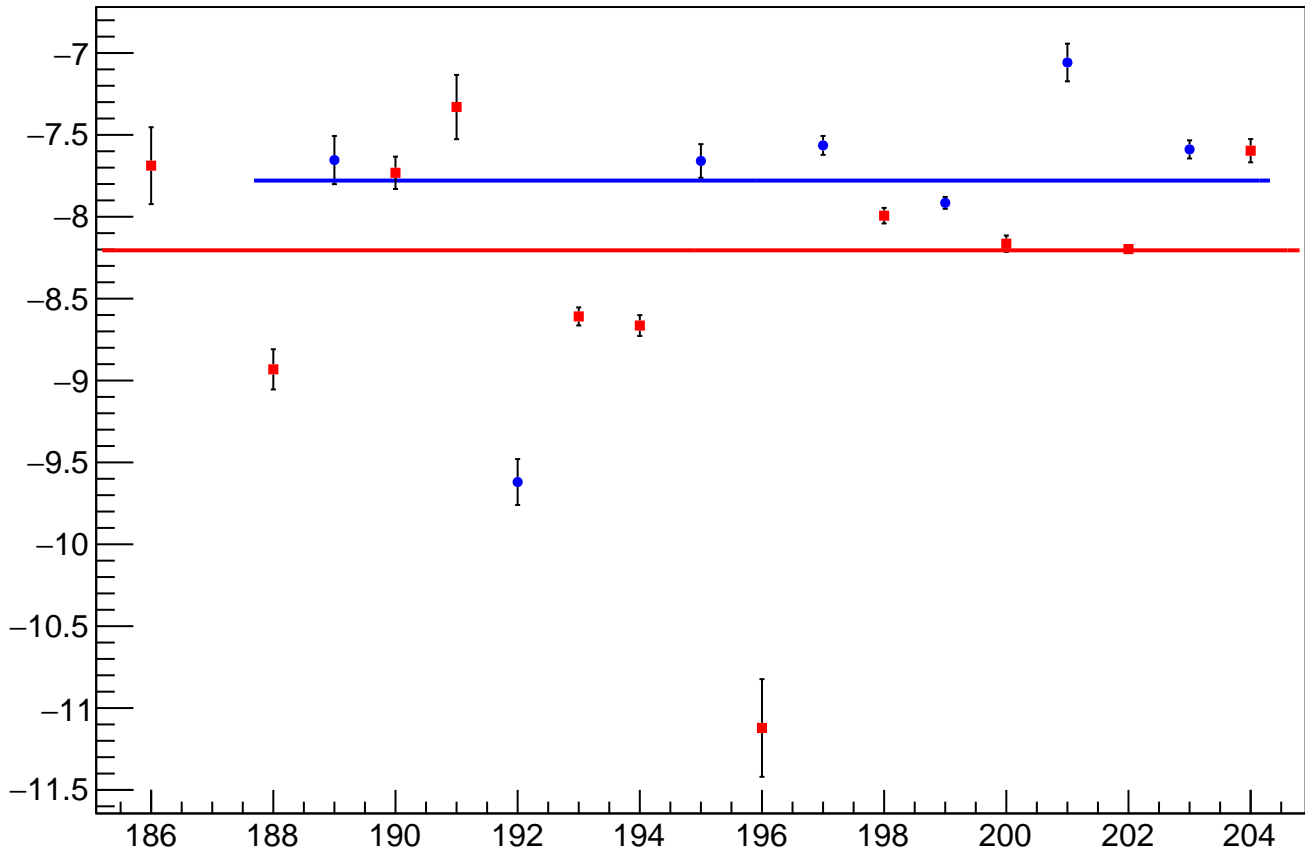
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.779 $\pm$ 0.013  $\chi^2$ /NDF: 3808.3/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_4aY\_slope vs Slug



Right In:  $-7.779 \pm 0.025$   $\chi^2/\text{NDF}$ : 253.8/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-8.205 \pm 0.016$   $\chi^2/\text{NDF}$ : 378.2/10

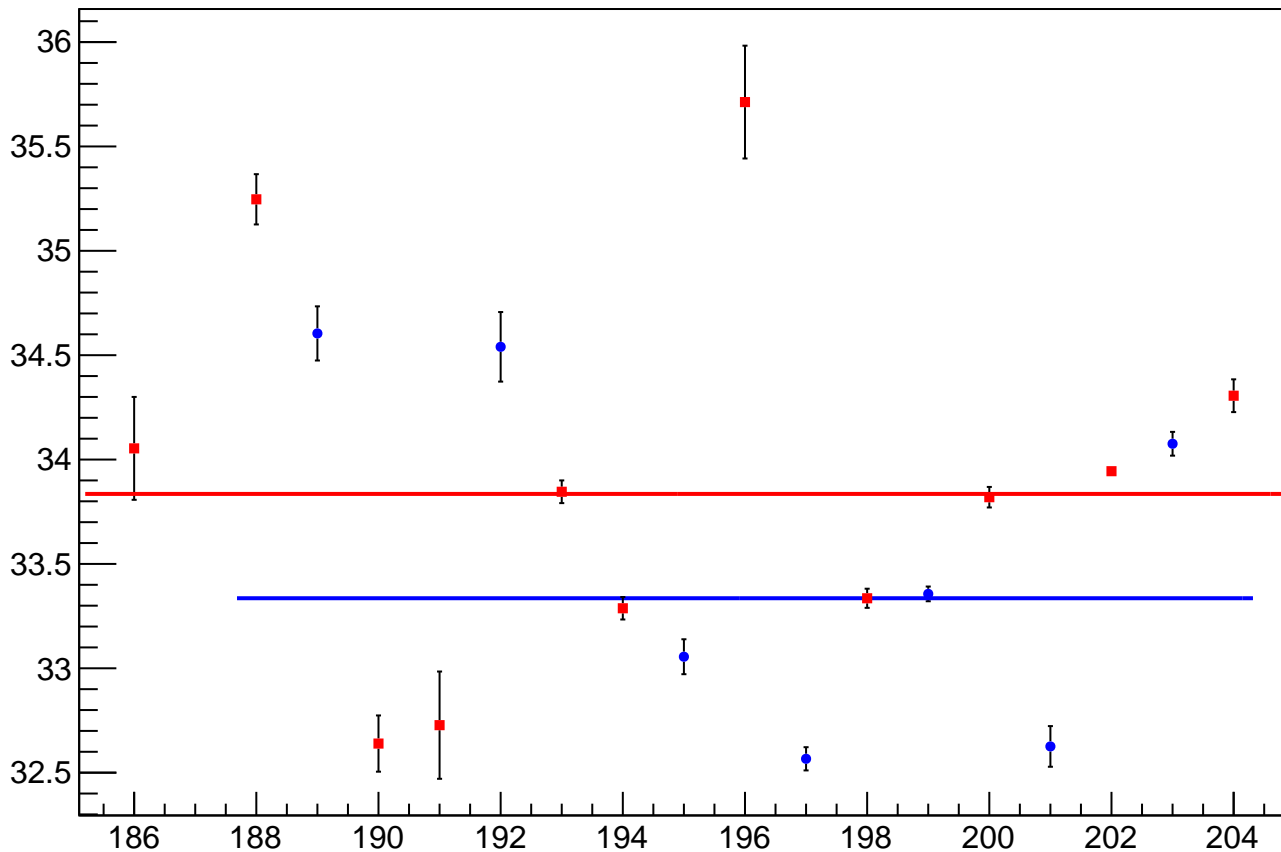
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-8.077 \pm 0.013$   $\chi^2/\text{NDF}$ : 842.9/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4eY\_slope vs Slug



Right In: 33.336 $\pm$ 0.024  $\chi^2$ /NDF: 572.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 33.835 $\pm$ 0.015  $\chi^2$ /NDF: 576.5/10

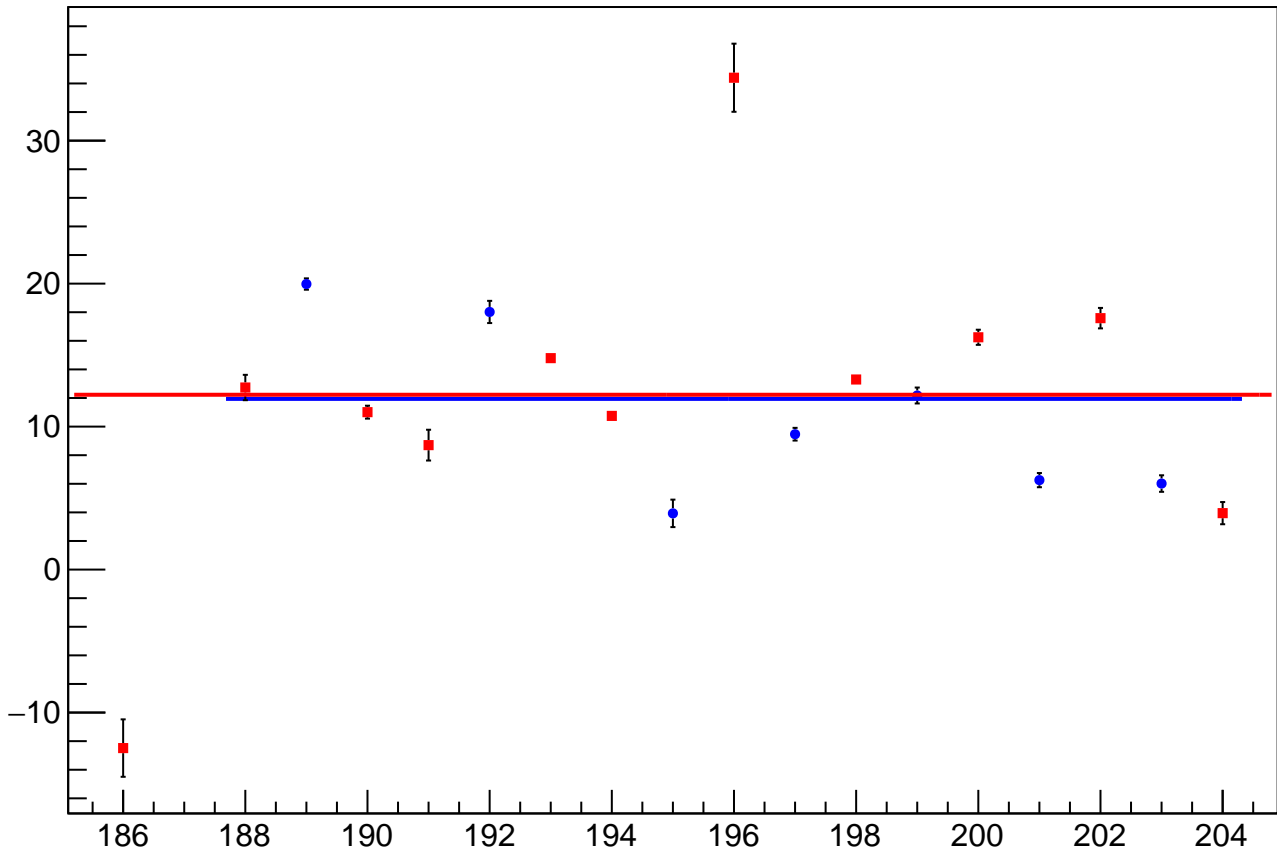
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 33.699 $\pm$ 0.012  $\chi^2$ /NDF: 1472.2/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_4aX\_slope vs Slug



Right In: 11.939+/-0.202  $\chi^2$ /NDF: 807.9/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 12.228+/-0.124  $\chi^2$ /NDF: 614.3/10

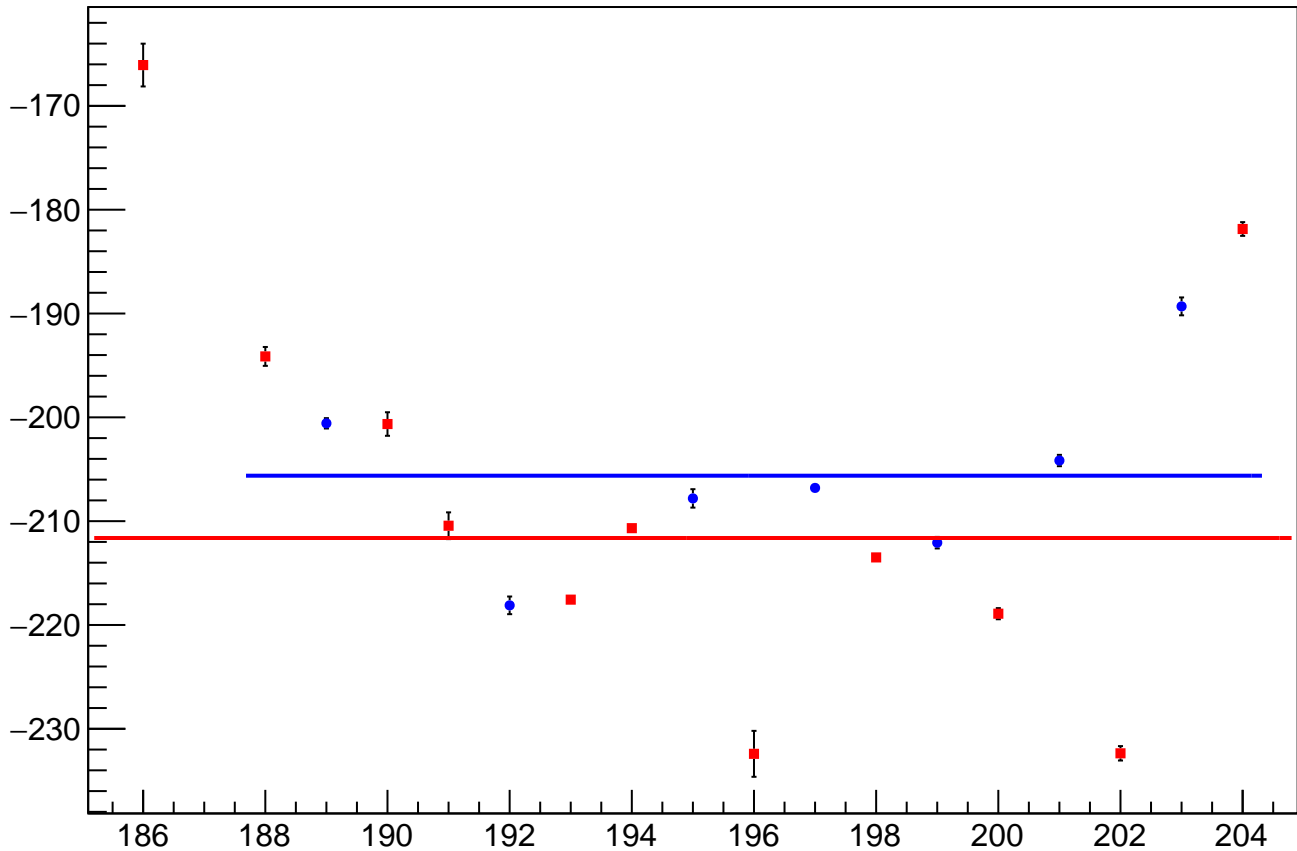
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 12.149+/-0.106  $\chi^2$ /NDF: 1423.7/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_4eX\_slope vs Slug



Right In:  $-205.621 \pm 0.224$   $\chi^2/\text{NDF}$ : 831.9/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-211.621 \pm 0.122$   $\chi^2/\text{NDF}$ : 4467.8/10

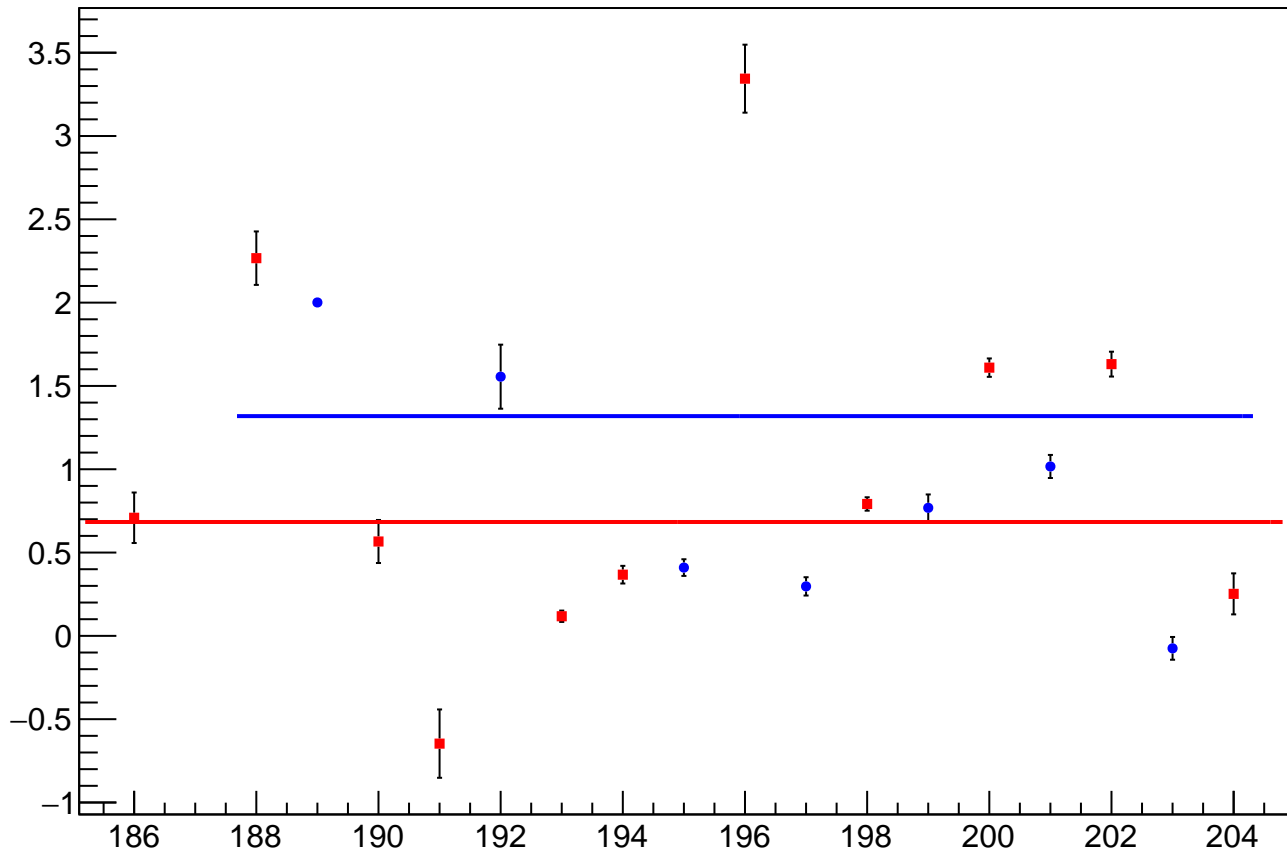
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-210.242 \pm 0.107$   $\chi^2/\text{NDF}$ : 5852.7/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_11X12X\_slope vs Slug



Right In: 1.319+/-0.018  $\chi^2$ /NDF: 1940.3/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.683+/-0.020  $\chi^2$ /NDF: 1084.2/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

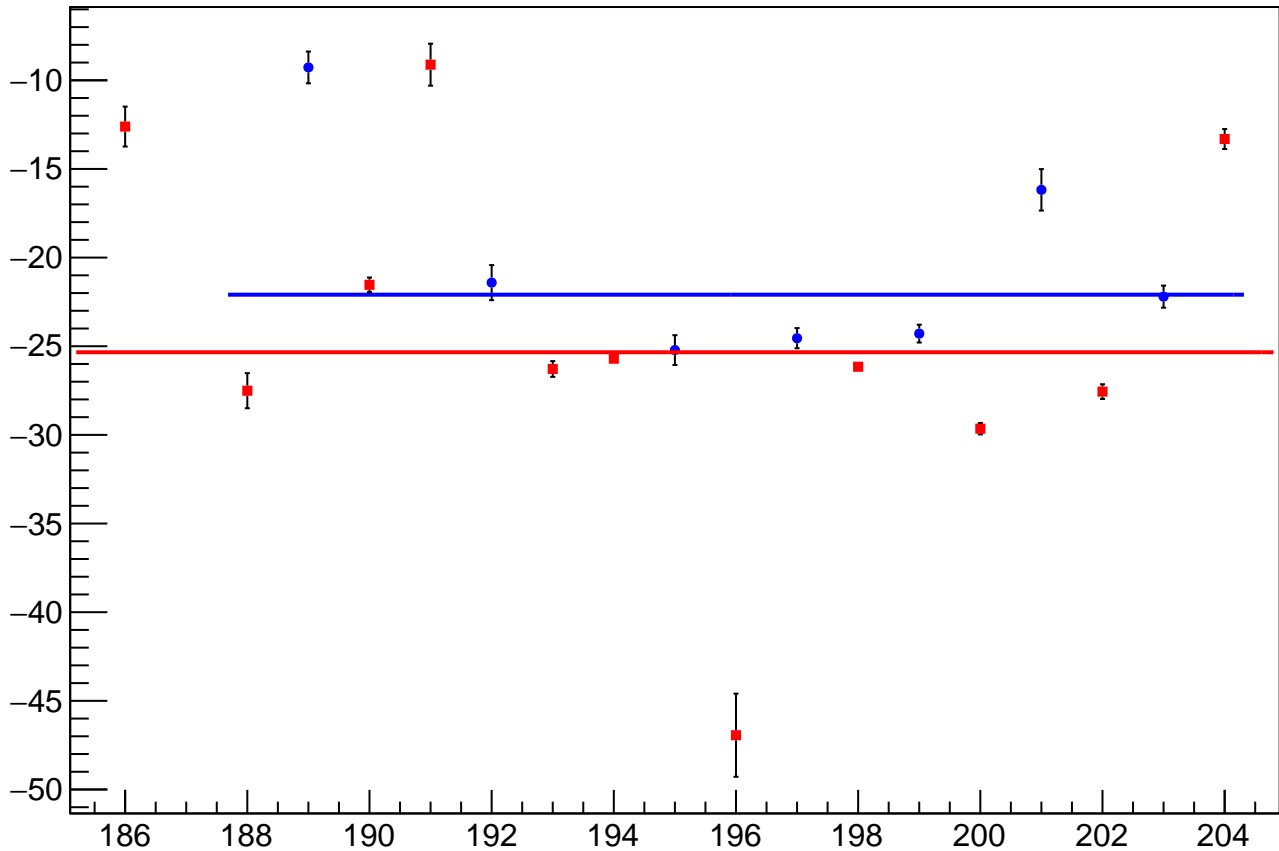
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1.024+/-0.013  $\chi^2$ /NDF: 3588.1/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam4\_4aY\_slope vs Slug



Right In:  $-22.092 \pm 0.267$   $\chi^2/\text{NDF}$ : 281.4/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-25.340 \pm 0.129$   $\chi^2/\text{NDF}$ : 1173.0/10

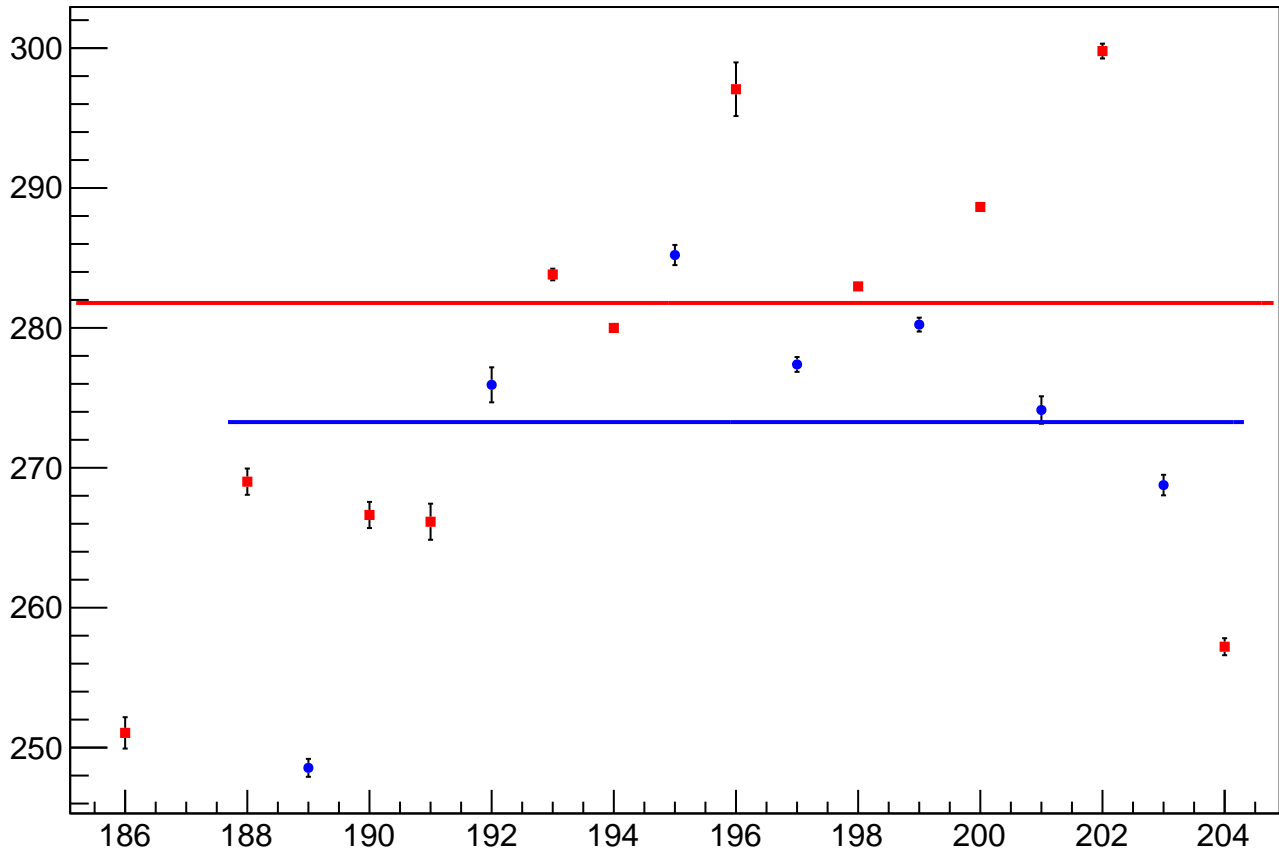
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-24.728 \pm 0.116$   $\chi^2/\text{NDF}$ : 1574.3/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_4eY\_slope vs Slug



Right In:  $273.268 \pm 0.254$   $\chi^2/\text{NDF}$ : 2062.5/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $281.784 \pm 0.127$   $\chi^2/\text{NDF}$ : 4788.1/10

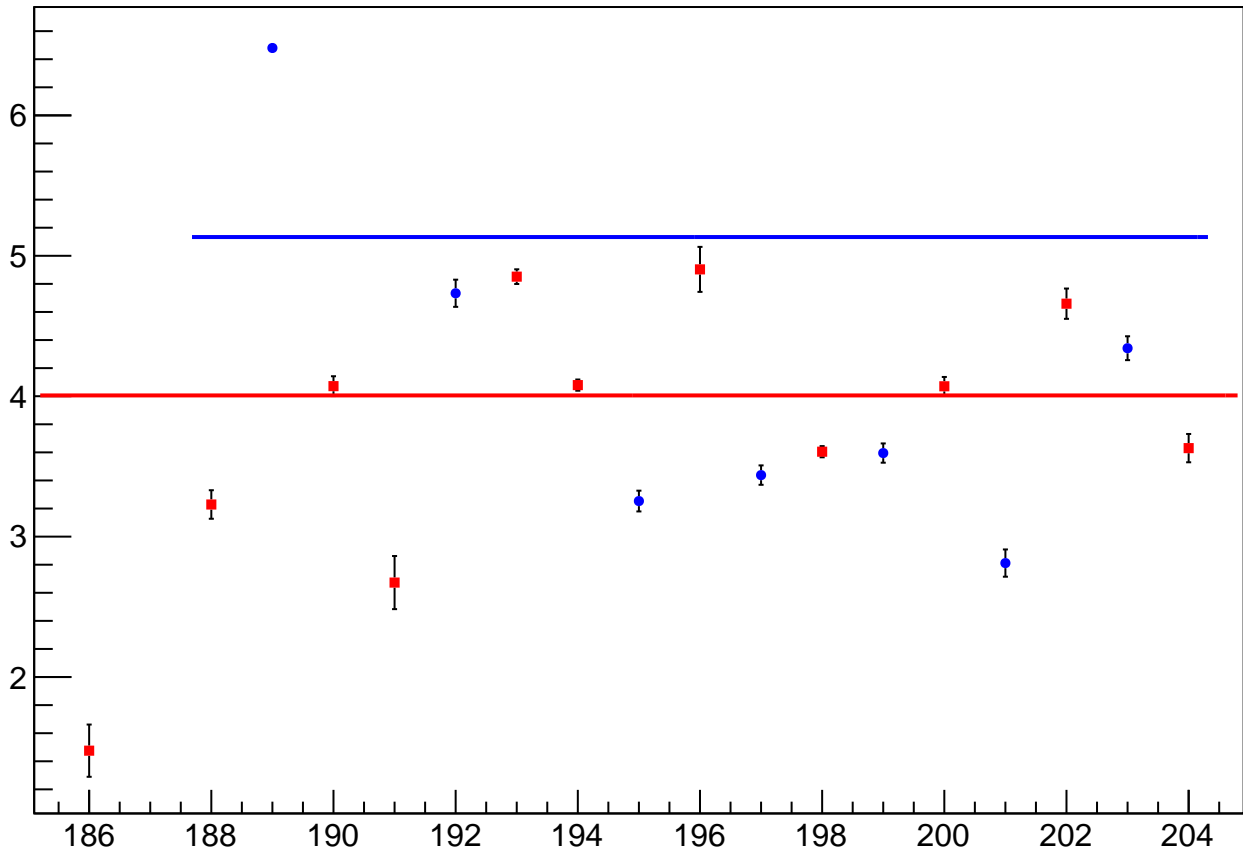
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $280.080 \pm 0.114$   $\chi^2/\text{NDF}$ : 7751.2/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_4aX\_slope vs Slug



Right In: 5.134 $\pm$ 0.022  $\chi^2$ /NDF: 4344.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.006 $\pm$ 0.020  $\chi^2$ /NDF: 743.2/10

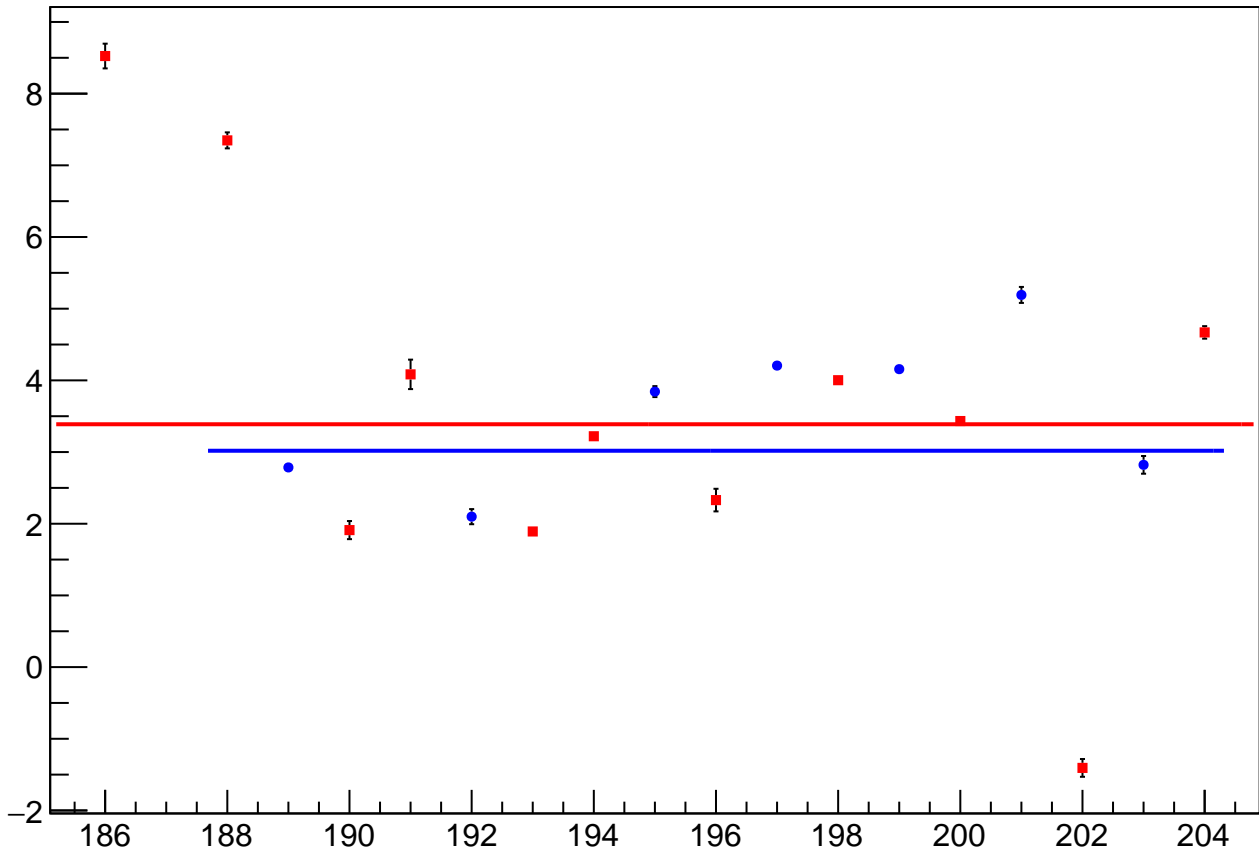
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.517 $\pm$ 0.015  $\chi^2$ /NDF: 6488.5/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4eX\_slope vs Slug



Right In: 3.018 $\pm$ 0.016  $\chi^2$ /NDF: 1321.5/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3.388 $\pm$ 0.020  $\chi^2$ /NDF: 5055.5/10

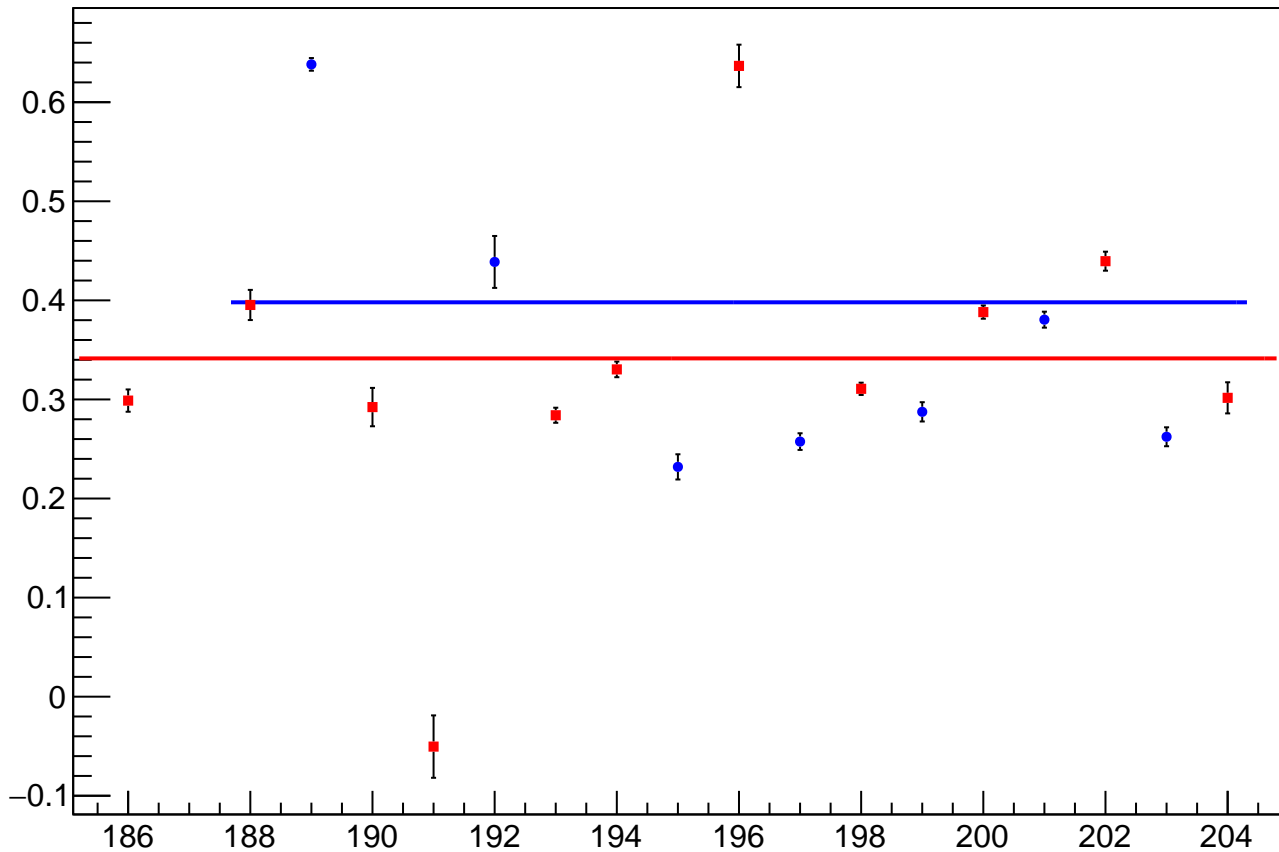
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.165 $\pm$ 0.012  $\chi^2$ /NDF: 6589.2/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_11X12X\_slope vs Slug



Right In: 0.398 $\pm$ 0.003  $\chi^2$ /NDF: 2199.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.341 $\pm$ 0.003  $\chi^2$ /NDF: 621.3/10

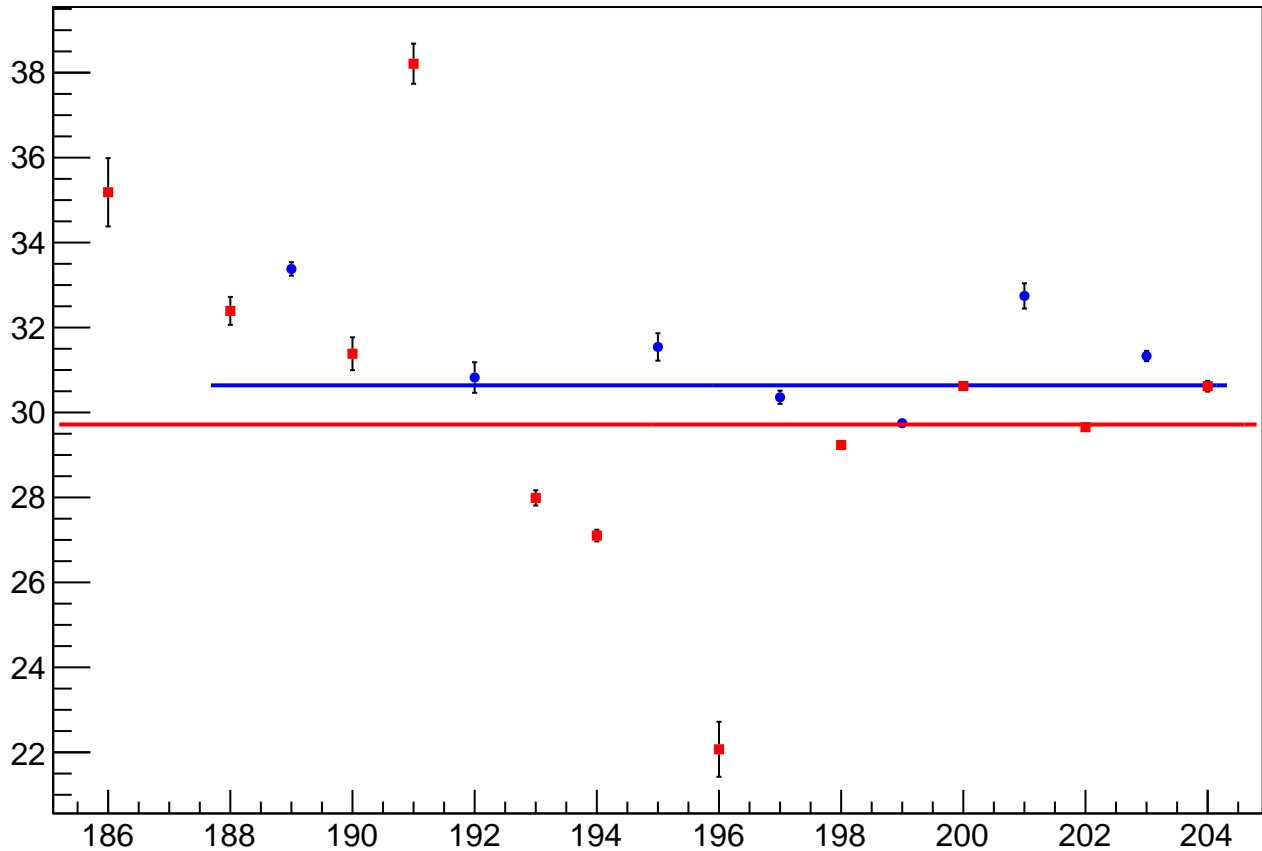
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.365 $\pm$ 0.002  $\chi^2$ /NDF: 2975.1/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4aY\_slope vs Slug



Right In: 30.639+/-0.051  $\chi^2$ /NDF: 551.2/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 29.717+/-0.044  $\chi^2$ /NDF: 1234.7/10

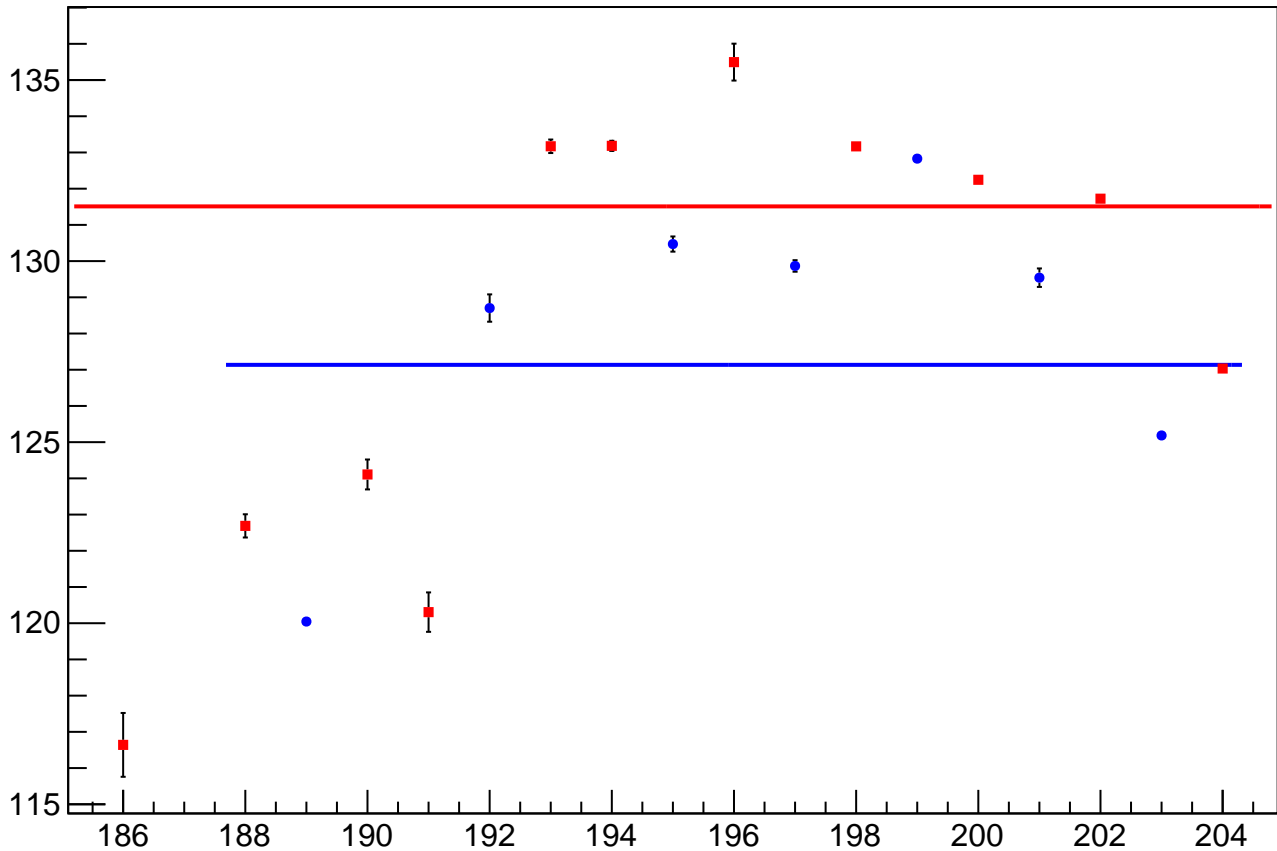
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 30.106+/-0.033  $\chi^2$ /NDF: 1971.8/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4eY\_slope vs Slug



Right In: 127.135 $\pm$ 0.047  $\chi^2$ /NDF: 13716.3/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 131.511 $\pm$ 0.046  $\chi^2$ /NDF: 3476.2/10

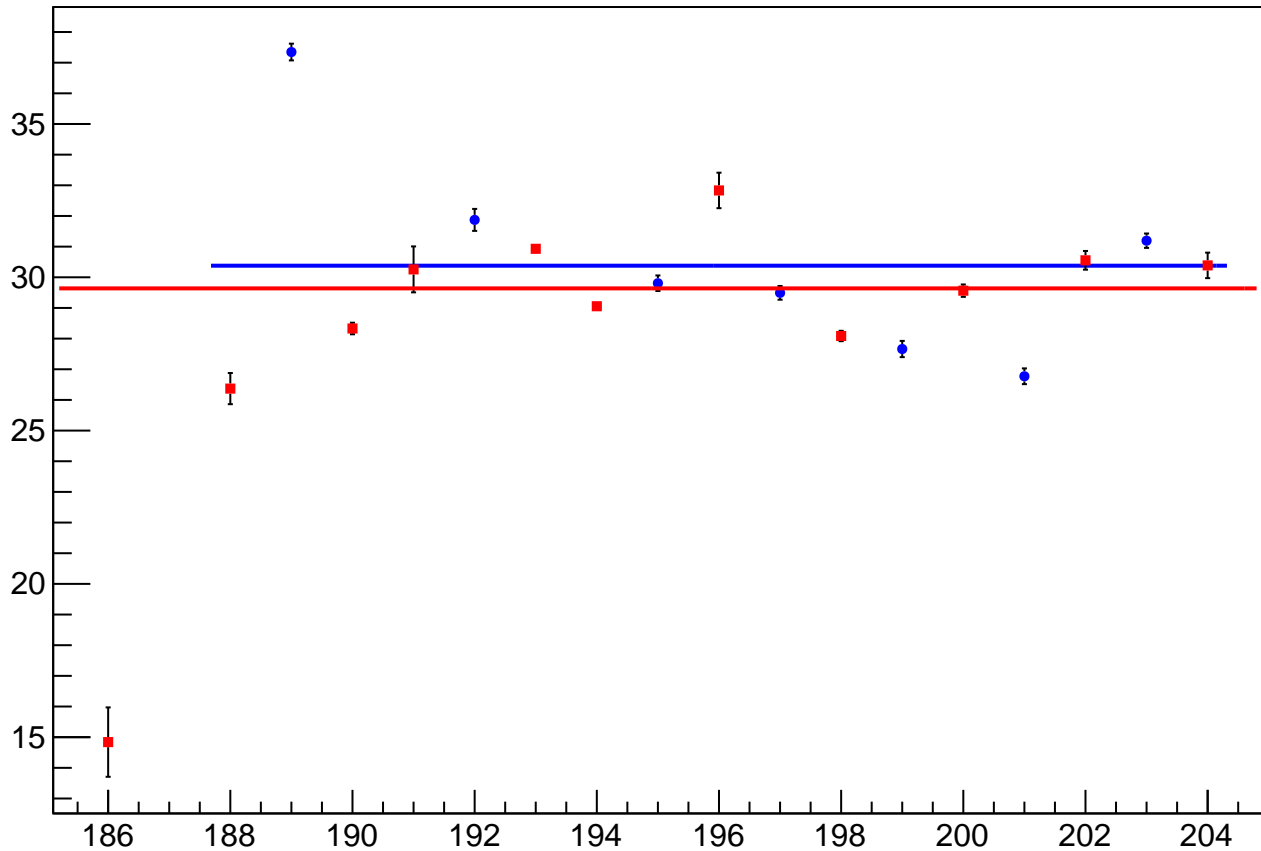
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 129.368 $\pm$ 0.033  $\chi^2$ /NDF: 21597.4/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4aX\_slope vs Slug



Right In: 30.378 $\pm$ 0.098  $\chi^2$ /NDF: 1004.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 29.638 $\pm$ 0.058  $\chi^2$ /NDF: 595.1/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

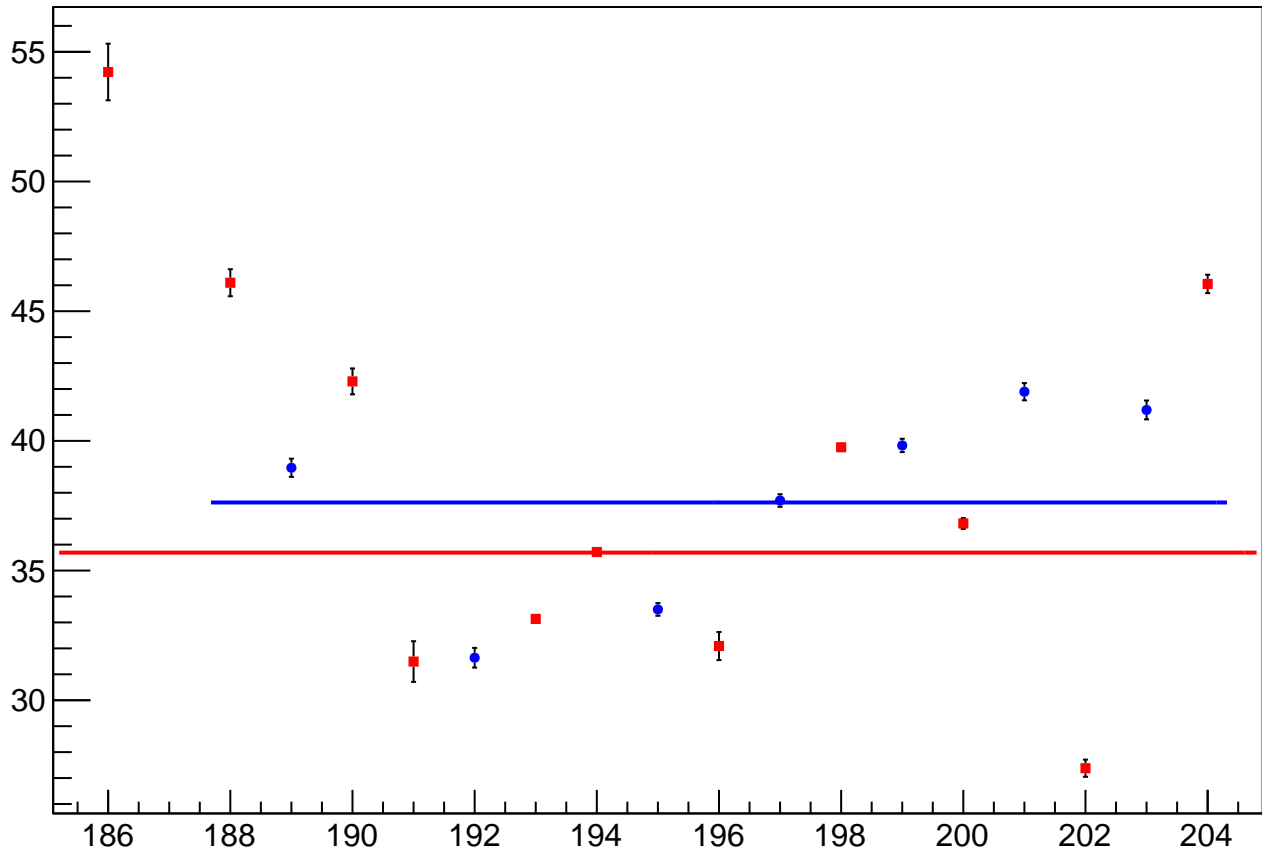
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 29.828 $\pm$ 0.050  $\chi^2$ /NDF: 1641.7/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_4eX\_slope vs Slug



Right In: 37.626 $\pm$ 0.111  $\chi^2$ /NDF: 883.1/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 35.693 $\pm$ 0.064  $\chi^2$ /NDF: 3497.5/10

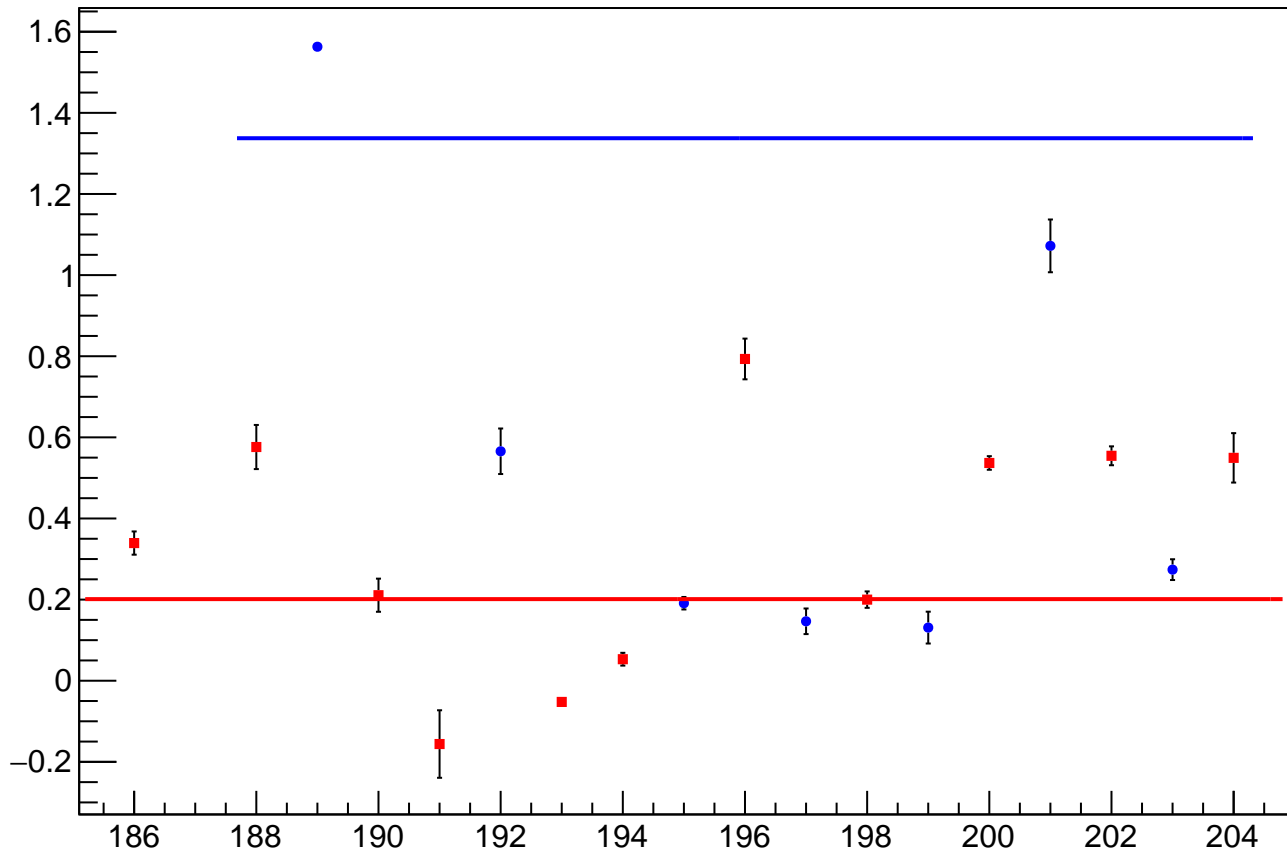
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 36.171 $\pm$ 0.055  $\chi^2$ /NDF: 4607.7/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_11X12X\_slope vs Slug



Right In: 1.337 $\pm$ 0.005  $\chi^2$ /NDF: 11818.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.201 $\pm$ 0.007  $\chi^2$ /NDF: 1443.7/10

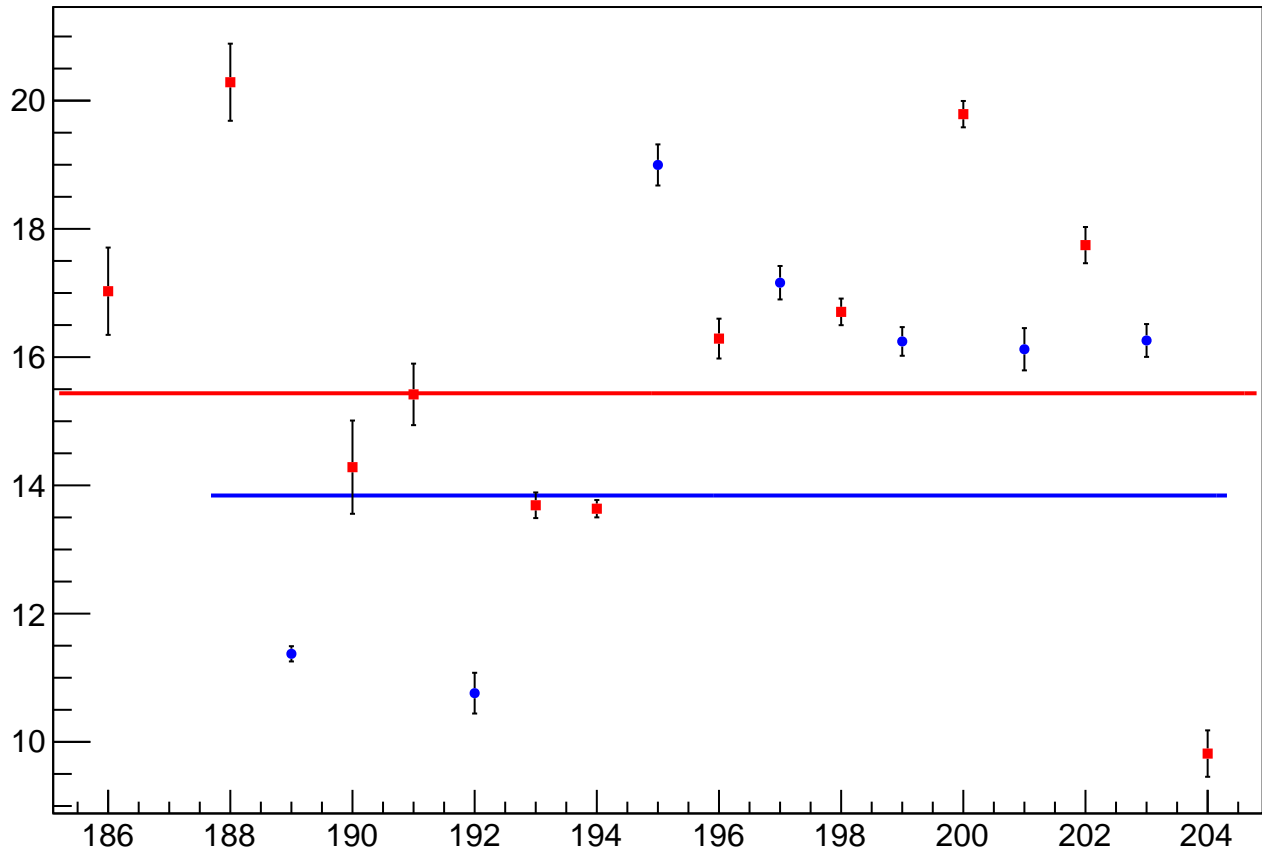
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.973 $\pm$ 0.004  $\chi^2$ /NDF: 32599.3/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4aY\_slope vs Slug



Right In: 13.842 $\pm$ 0.082  $\chi^2$ /NDF: 1197.4/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 15.436 $\pm$ 0.077  $\chi^2$ /NDF: 1128.1/10

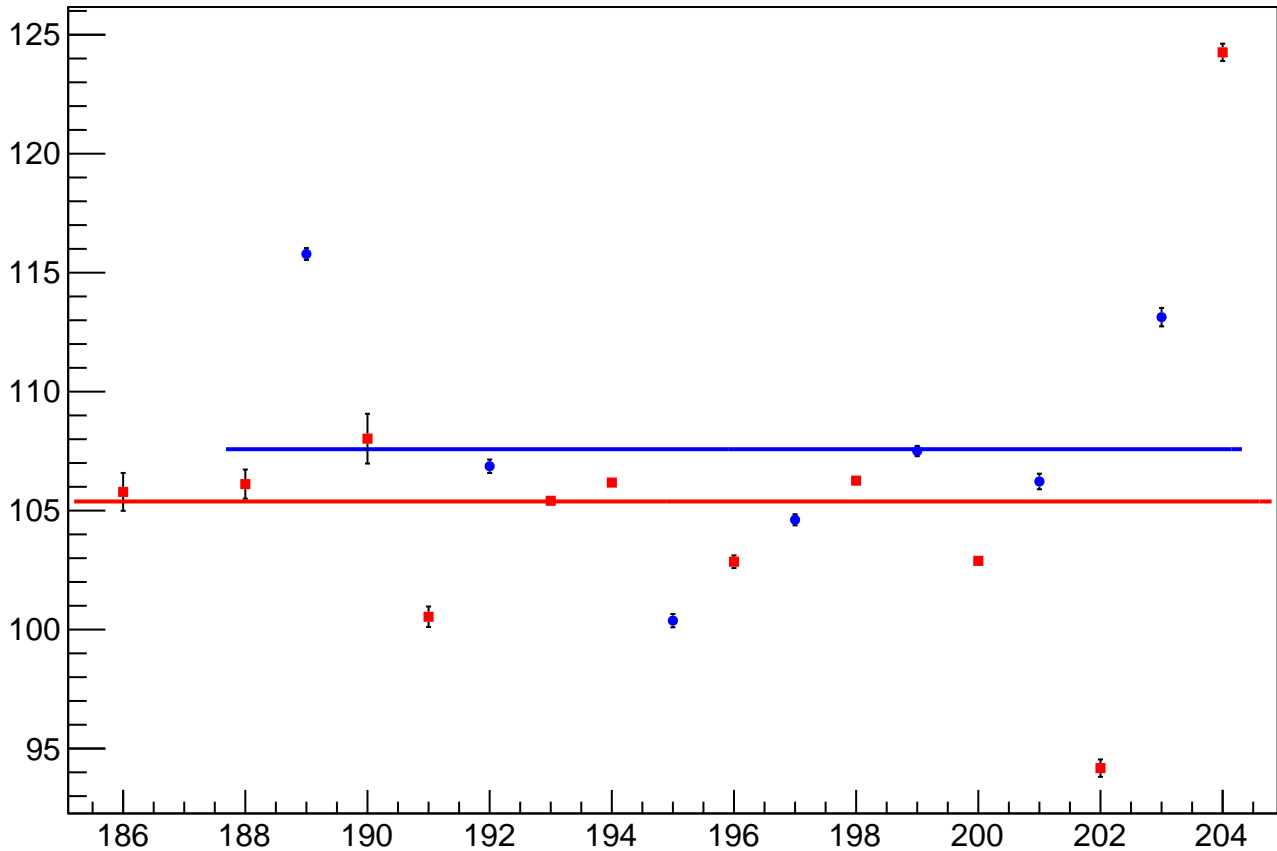
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 14.687 $\pm$ 0.056  $\chi^2$ /NDF: 2526.6/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4eY\_slope vs Slug



Right In: 107.581 $\pm$ 0.102  $\chi^2$ /NDF: 2132.0/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 105.383 $\pm$ 0.079  $\chi^2$ /NDF: 4037.9/10

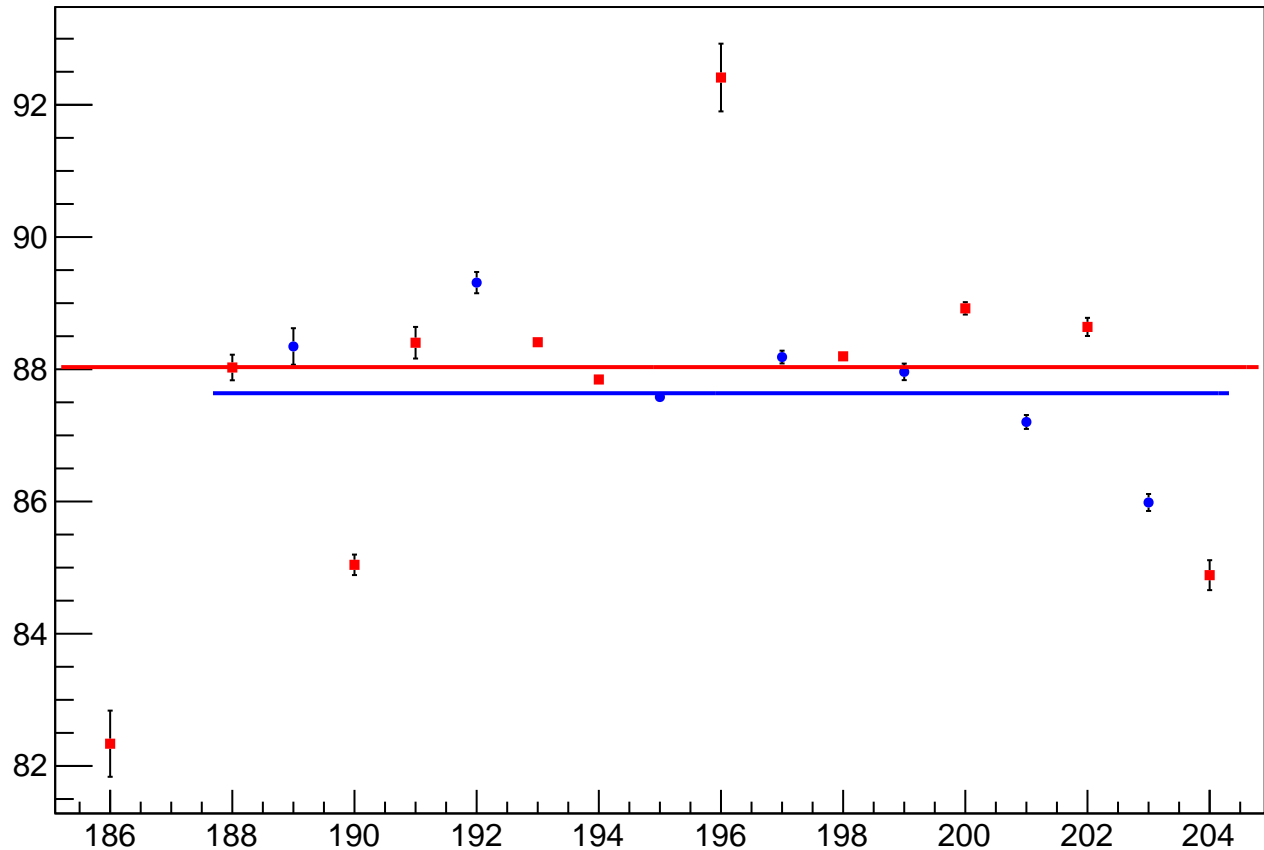
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 106.212 $\pm$ 0.062  $\chi^2$ /NDF: 6461.8/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4aX\_slope vs Slug



Right In: 87.638+/-0.040  $\chi^2$ /NDF: 337.0/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 88.033+/-0.027  $\chi^2$ /NDF: 945.8/10

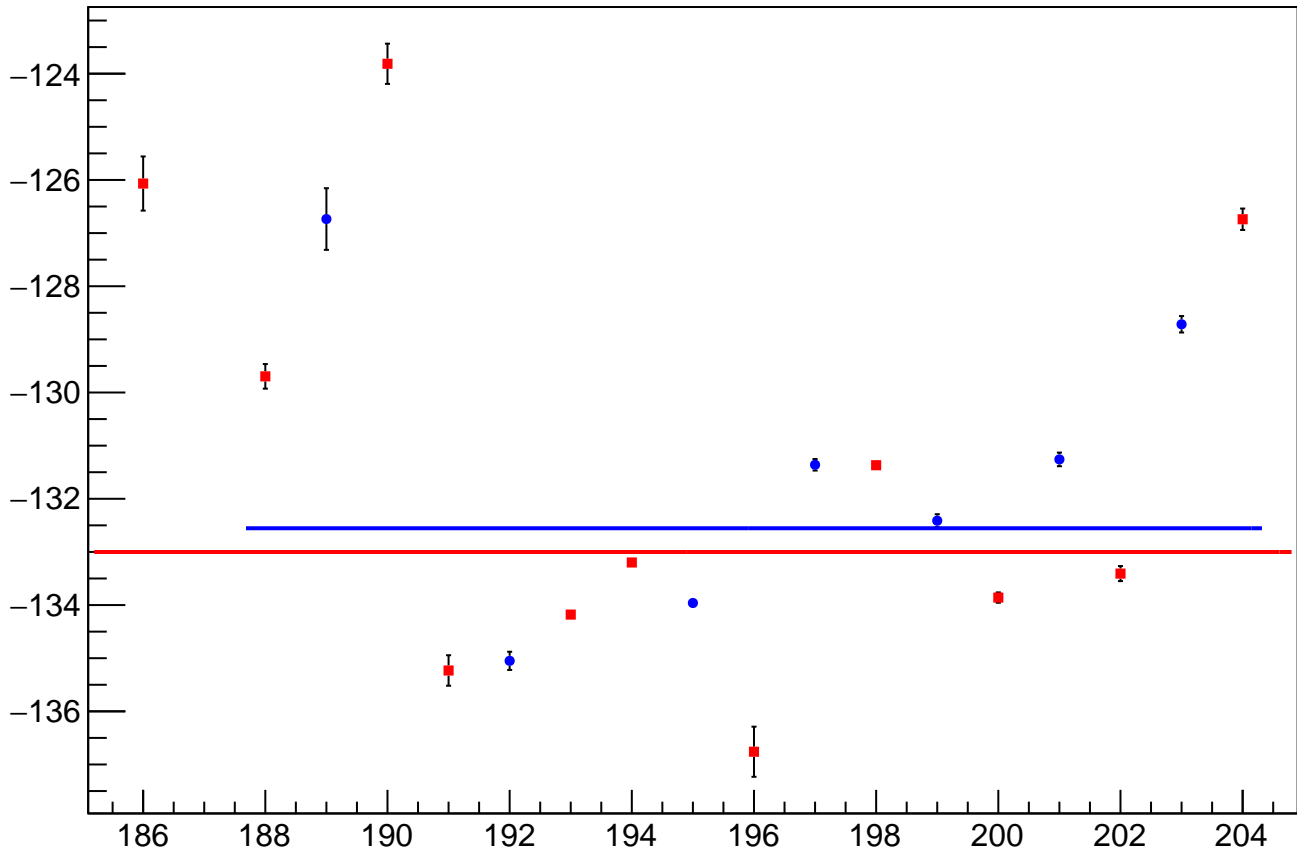
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 87.908+/-0.023  $\chi^2$ /NDF: 1348.2/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4eX\_slope vs Slug



Right In:  $-132.555 \pm 0.045$   $\chi^2/\text{NDF}$ : 1549.1/6

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-133.001 \pm 0.028$   $\chi^2/\text{NDF}$ : 2966.0/10

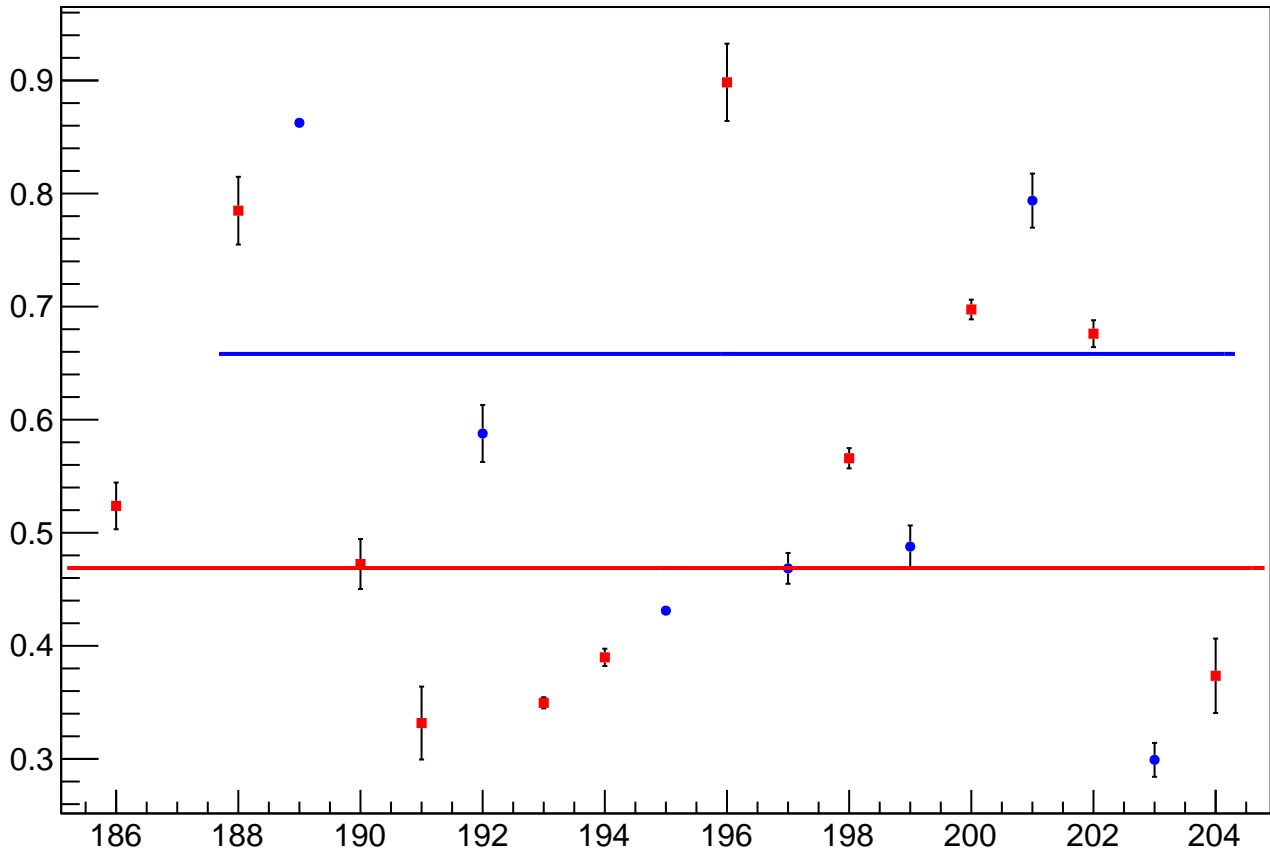
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-132.876 \pm 0.024$   $\chi^2/\text{NDF}$ : 4585.8/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_11X12X\_slope vs Slug



Right In: 0.658 $\pm$ 0.002  $\chi^2$ /NDF: 8173.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.469 $\pm$ 0.003  $\chi^2$ /NDF: 2114.5/10

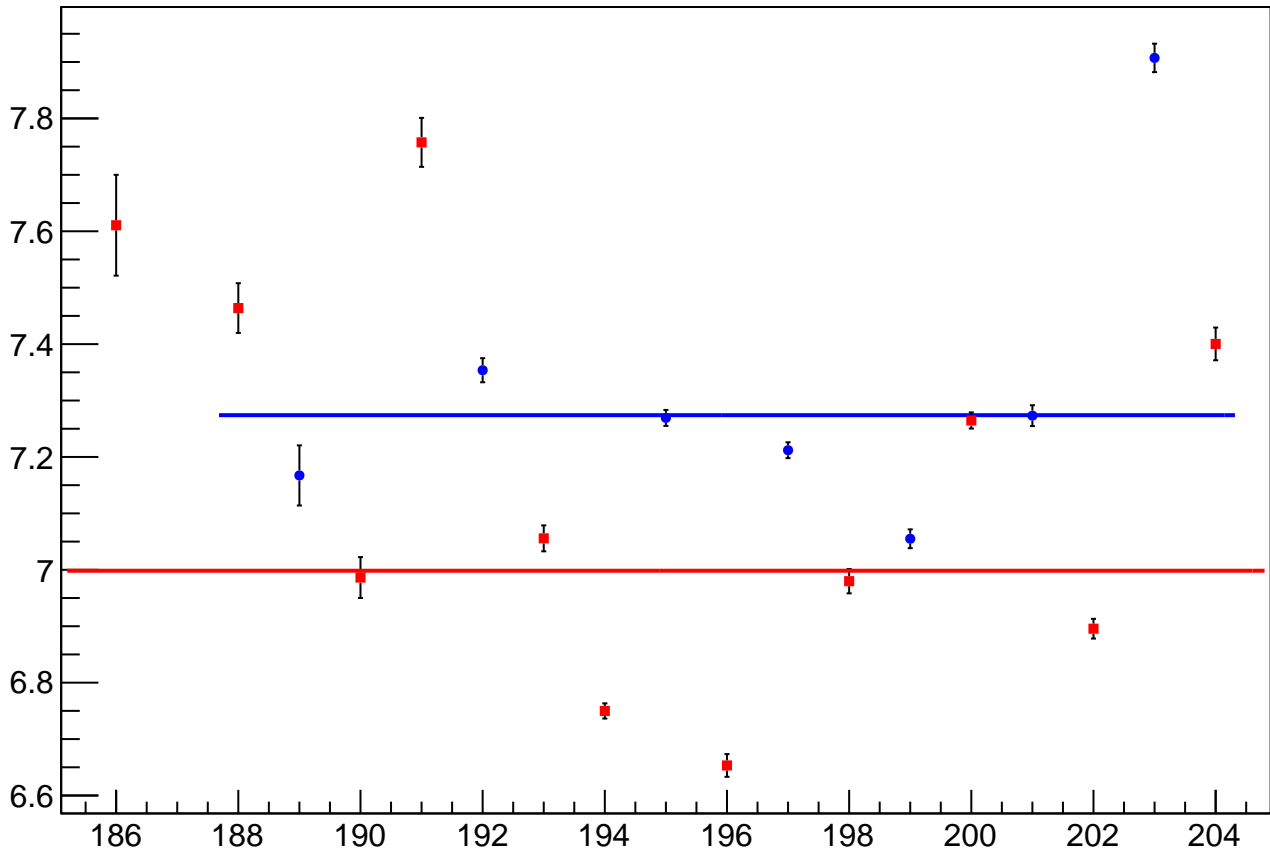
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.589 $\pm$ 0.002  $\chi^2$ /NDF: 12564.6/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4aY\_slope vs Slug



Right In: 7.274 $\pm$ 0.007  $\chi^2$ /NDF: 840.7/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6.998 $\pm$ 0.007  $\chi^2$ /NDF: 1679.0/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

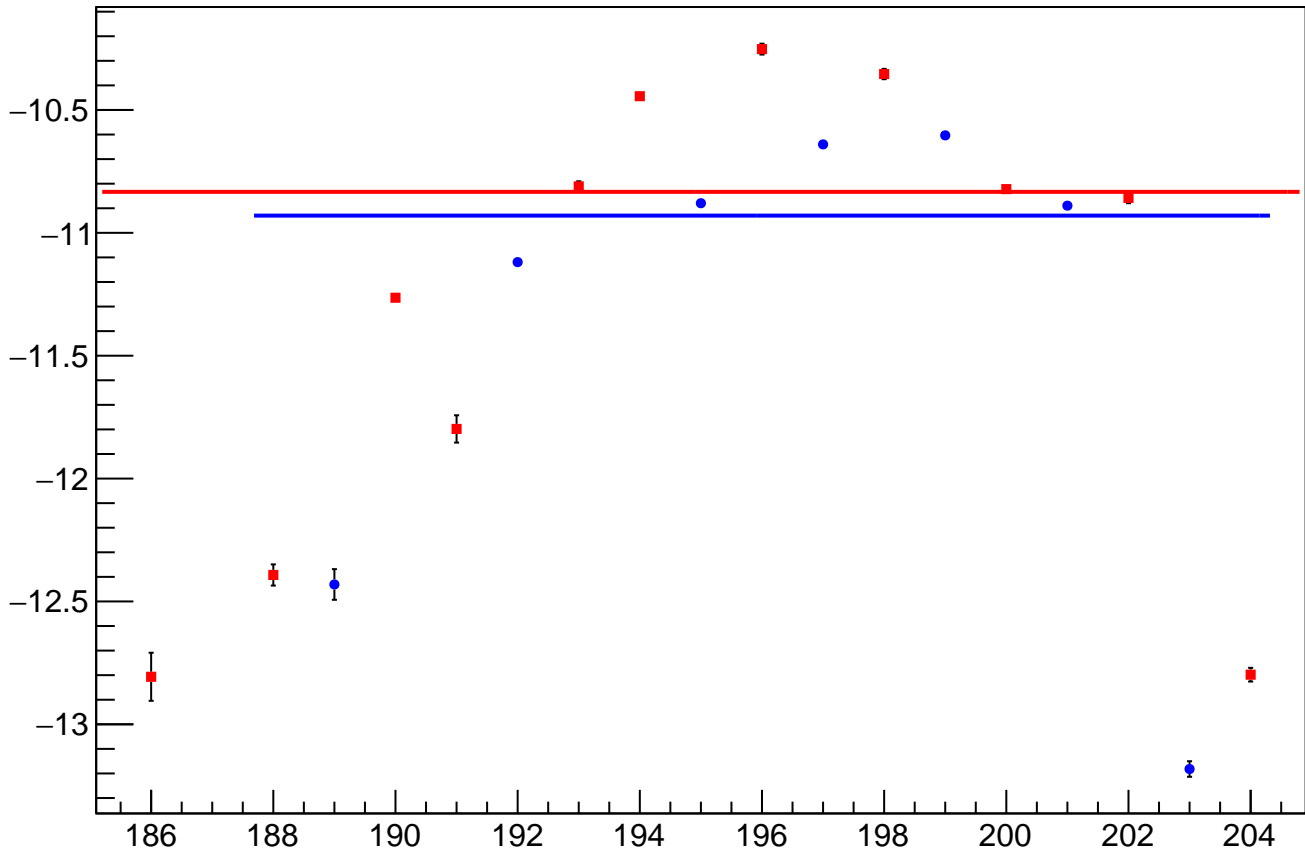
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.128 $\pm$ 0.005  $\chi^2$ /NDF: 3354.3/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam7\_4eY\_slope vs Slug



Right In:  $-10.930 \pm 0.007$   $\chi^2/\text{NDF}: 6592.1/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-10.833 \pm 0.006$   $\chi^2/\text{NDF}: 9824.9/10$

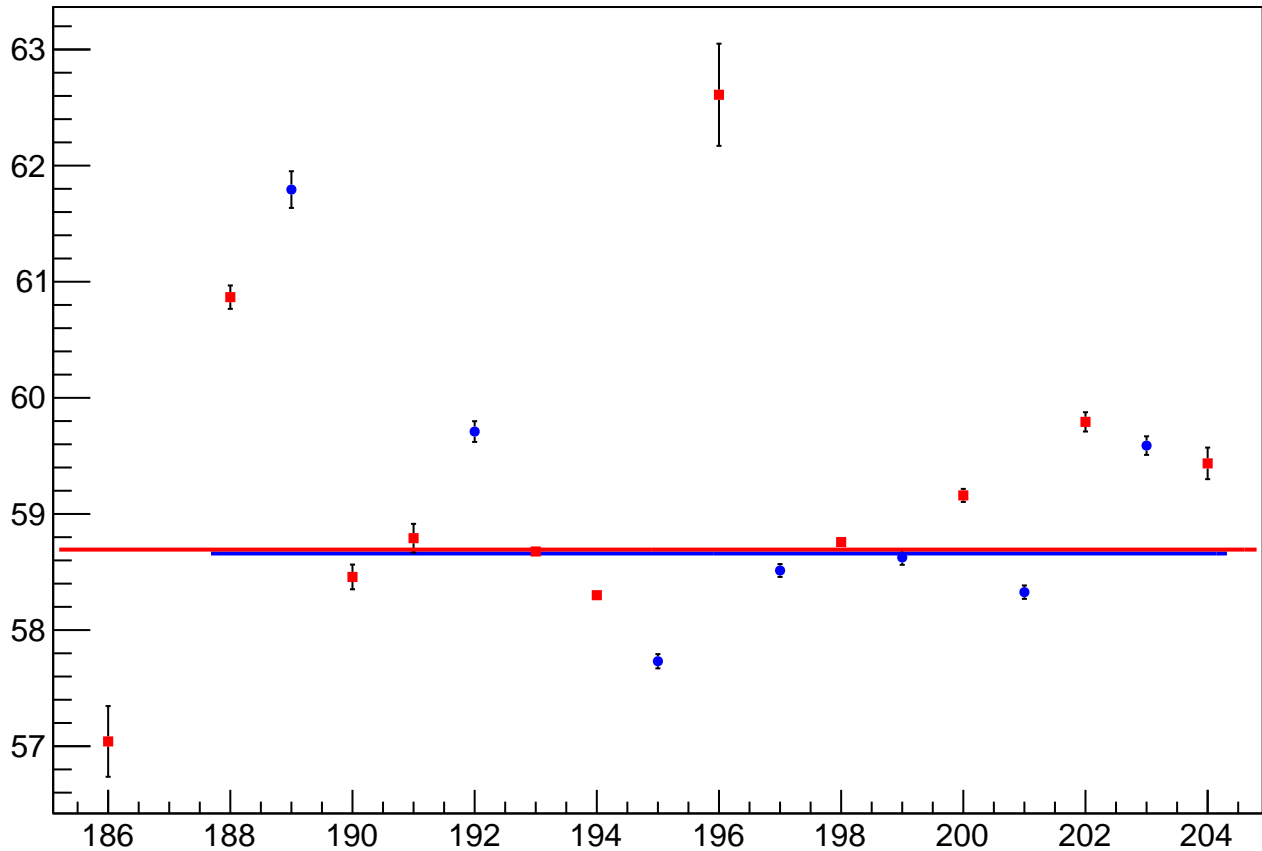
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-10.877 \pm 0.005$   $\chi^2/\text{NDF}: 16528.1/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam8\_4aX\_slope vs Slug



Right In: 58.660 $\pm$ 0.026  $\chi^2$ /NDF: 935.2/6

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 58.693 $\pm$ 0.016  $\chi^2$ /NDF: 1086.1/10

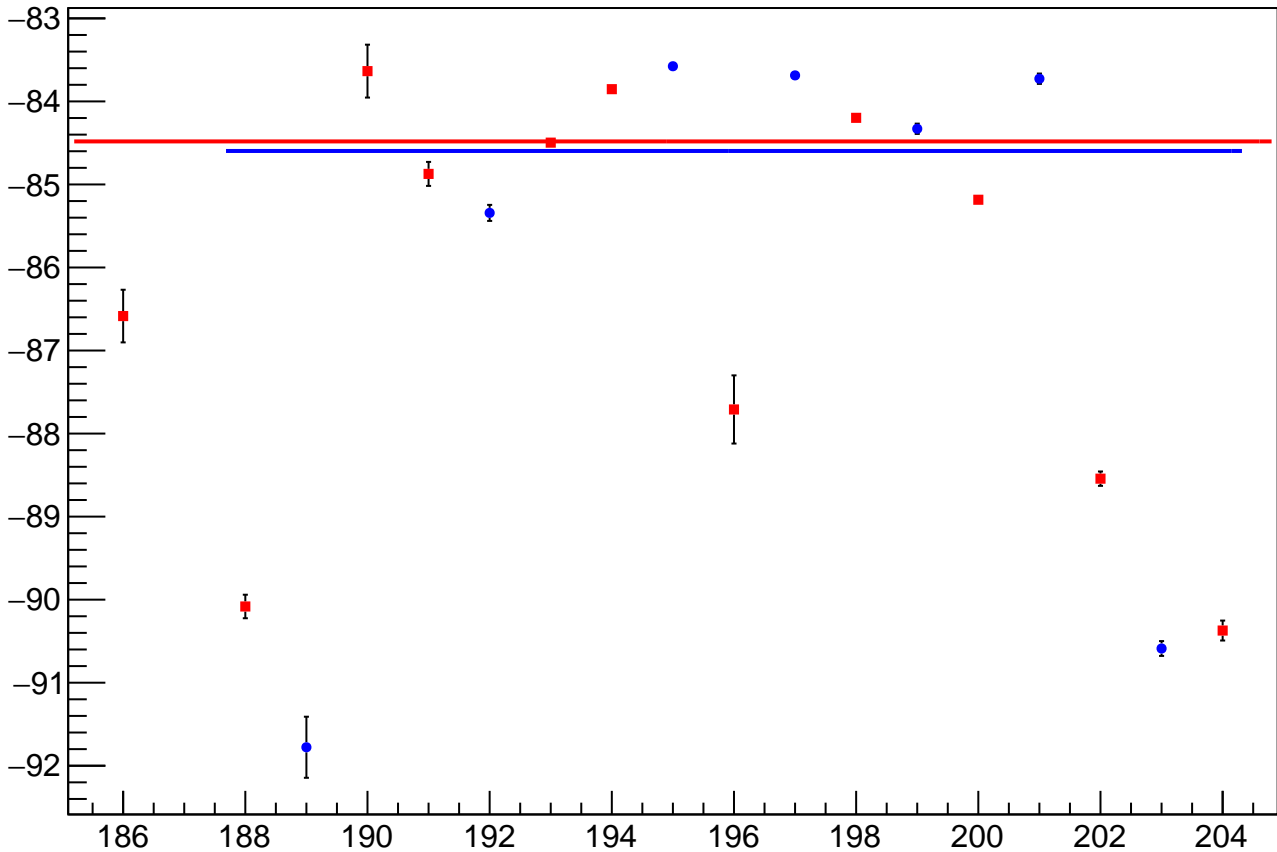
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 58.684 $\pm$ 0.014  $\chi^2$ /NDF: 2022.5/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_4eX\_slope vs Slug



Right In:  $-84.597 \pm 0.027$   $\chi^2/\text{NDF}: 5731.7/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-84.482 \pm 0.016$   $\chi^2/\text{NDF}: 7314.4/10$

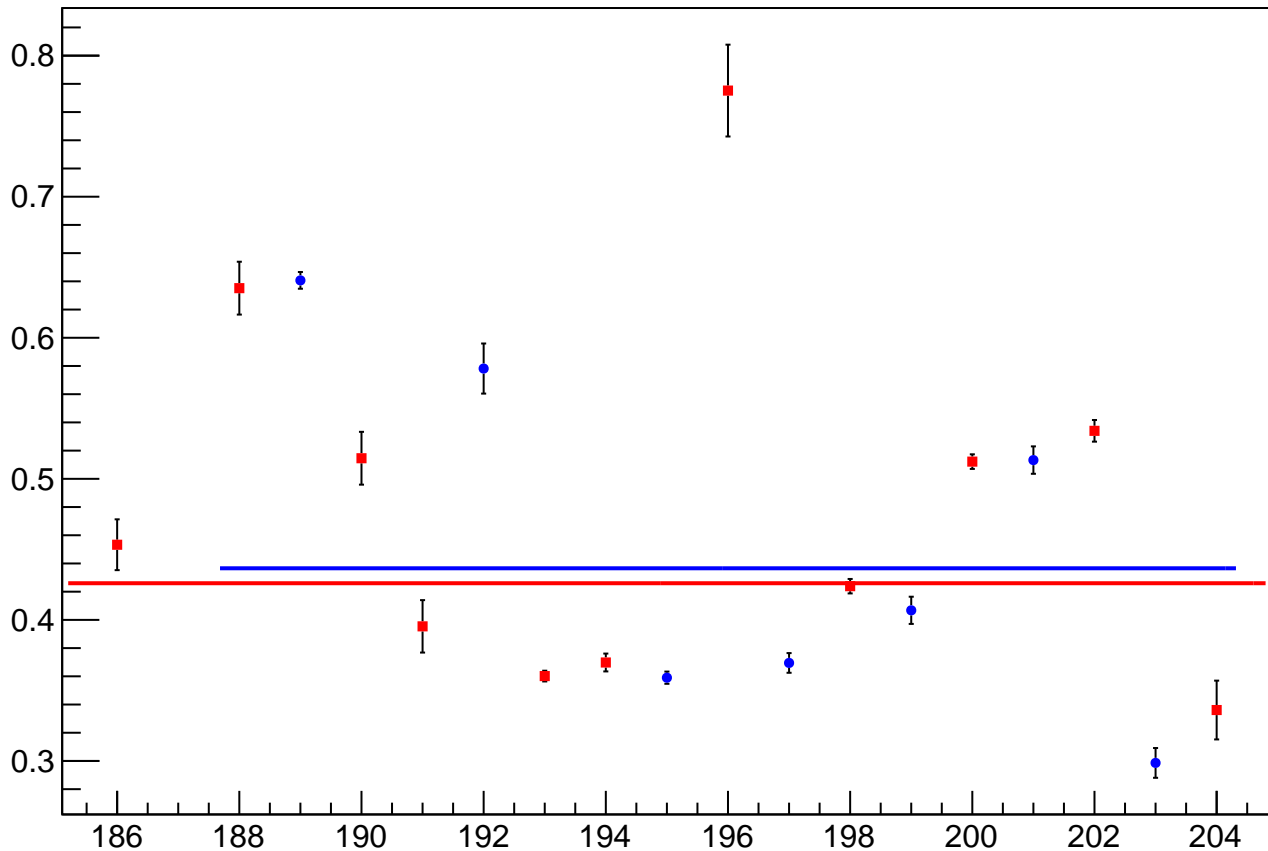
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-84.511 \pm 0.014$   $\chi^2/\text{NDF}: 13059.6/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam8\_11X12X\_slope vs Slug



Right In: 0.437+/-0.003  $\chi^2$ /NDF: 1906.4/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.426+/-0.002  $\chi^2$ /NDF: 1138.5/10

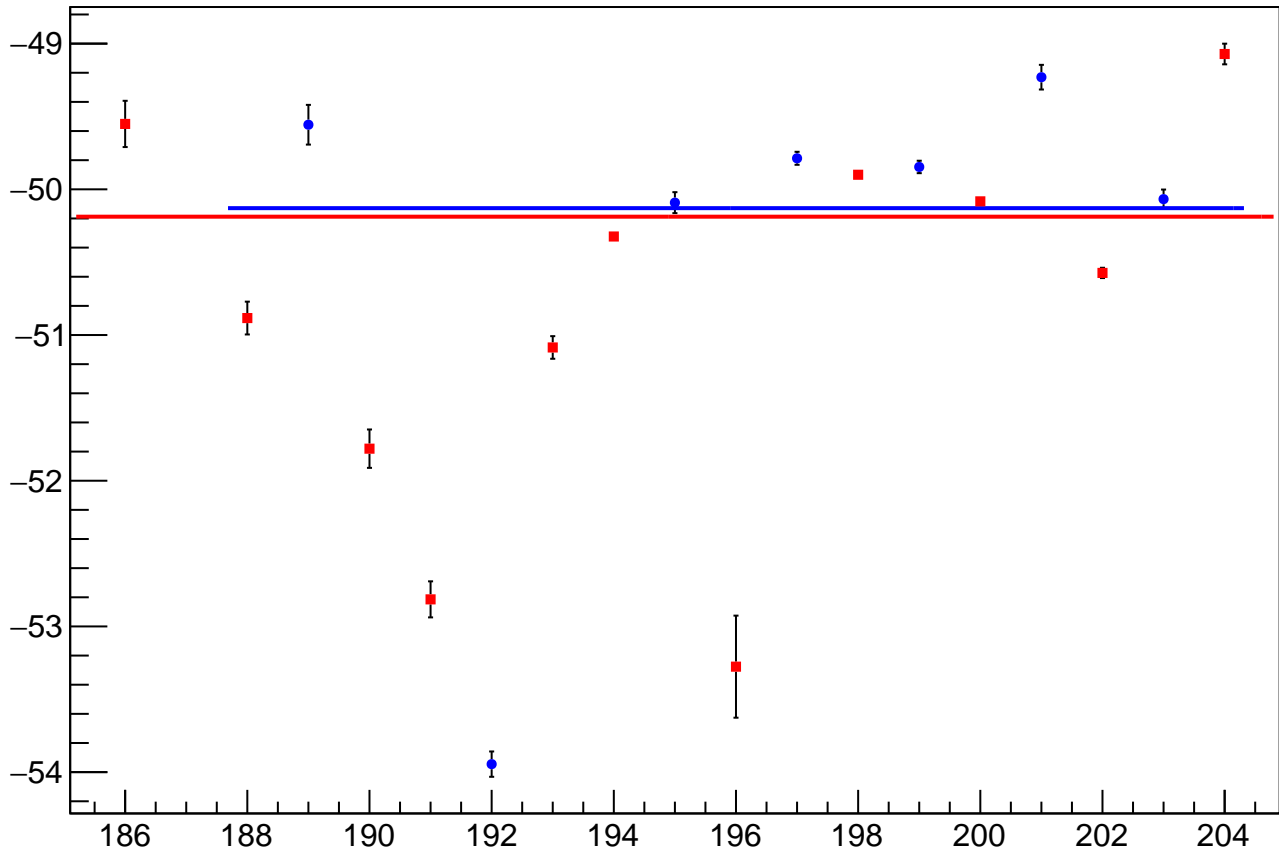
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.430+/-0.002  $\chi^2$ /NDF: 3054.0/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_4aY\_slope vs Slug



Right In:  $-50.129 \pm 0.024$   $\chi^2/\text{NDF}: 2160.9/6$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-50.188 \pm 0.013$   $\chi^2/\text{NDF}: 1394.3/10$

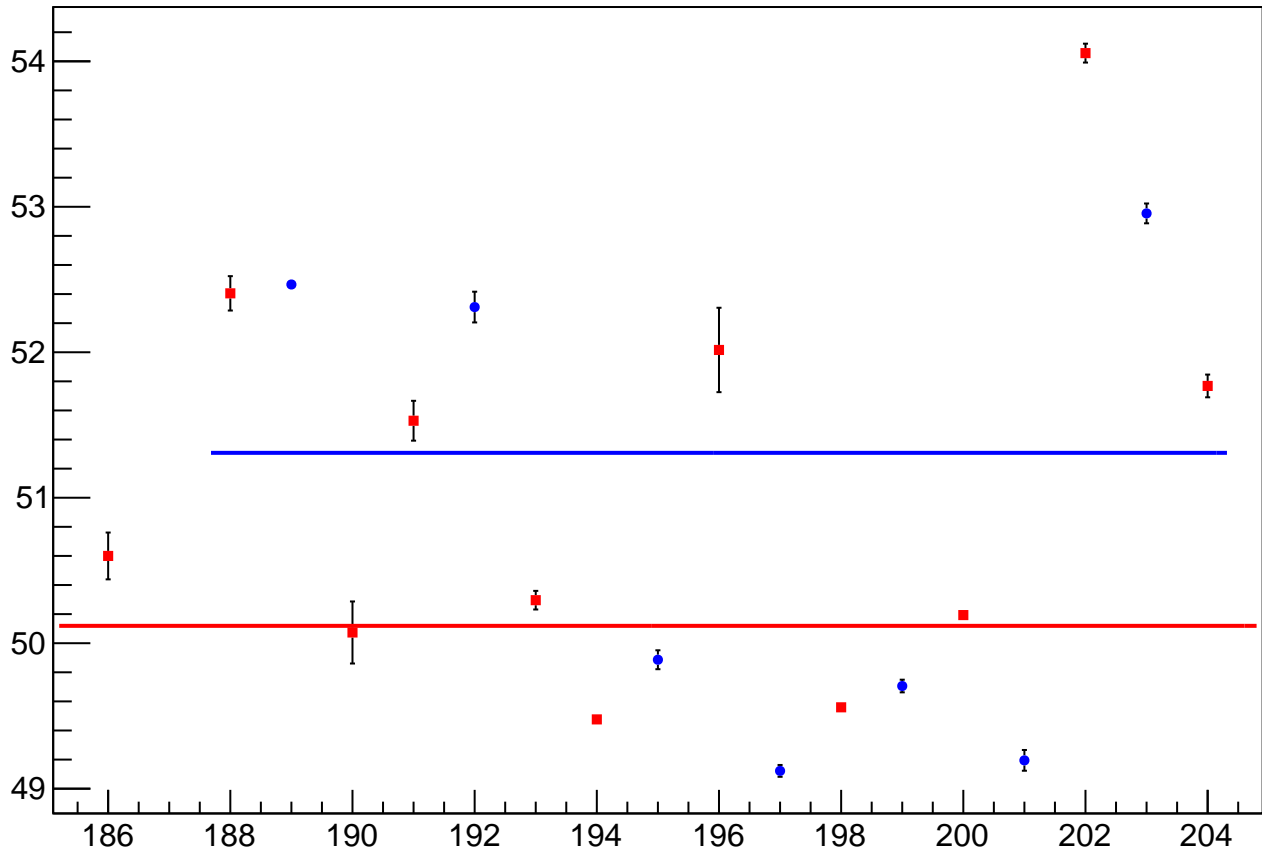
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-50.174 \pm 0.011$   $\chi^2/\text{NDF}: 3559.9/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam8\_4eY\_slope vs Slug



Right In: 51.309+/-0.016  $\chi^2$ /NDF: 9146.1/6

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 50.119+/-0.013  $\chi^2$ /NDF: 5710.9/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 50.578+/-0.010  $\chi^2$ /NDF: 18343.7/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

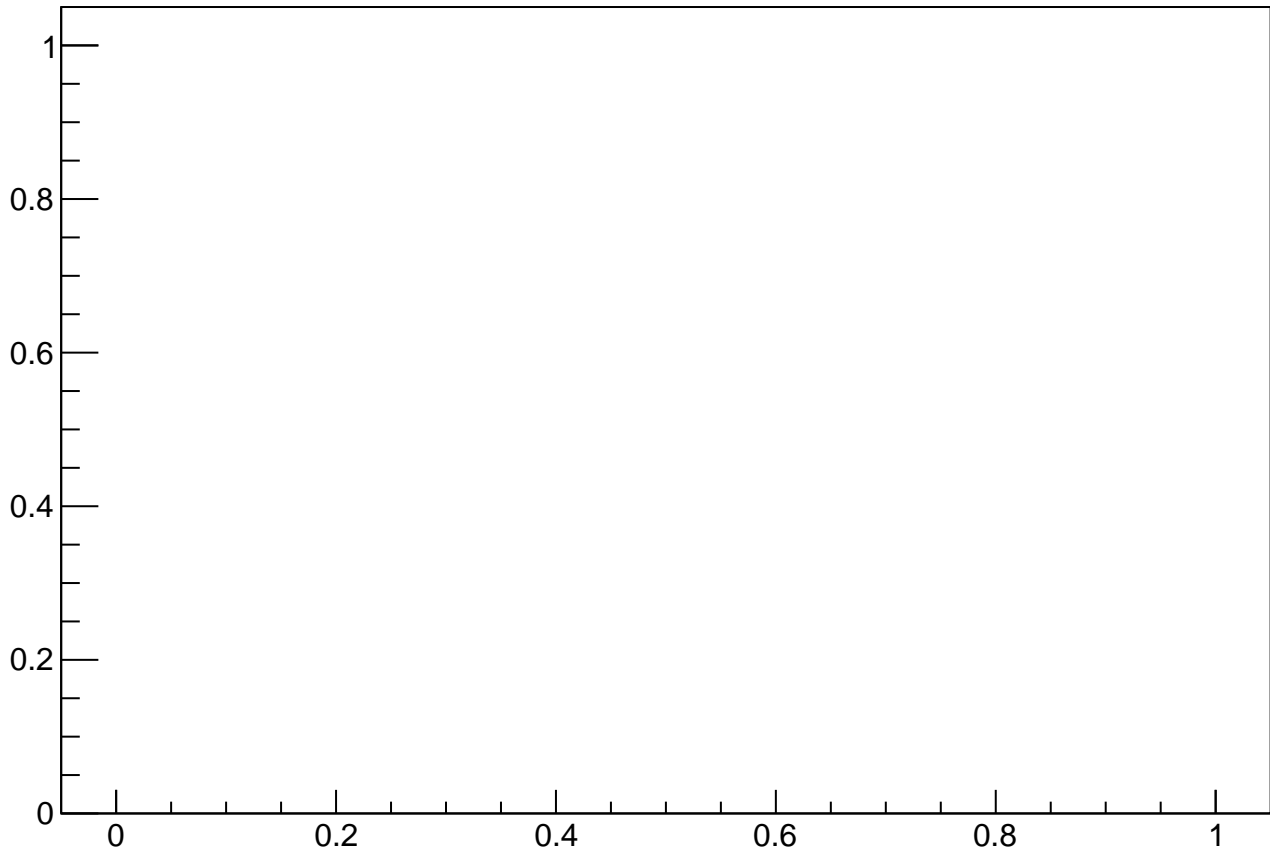
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aX\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

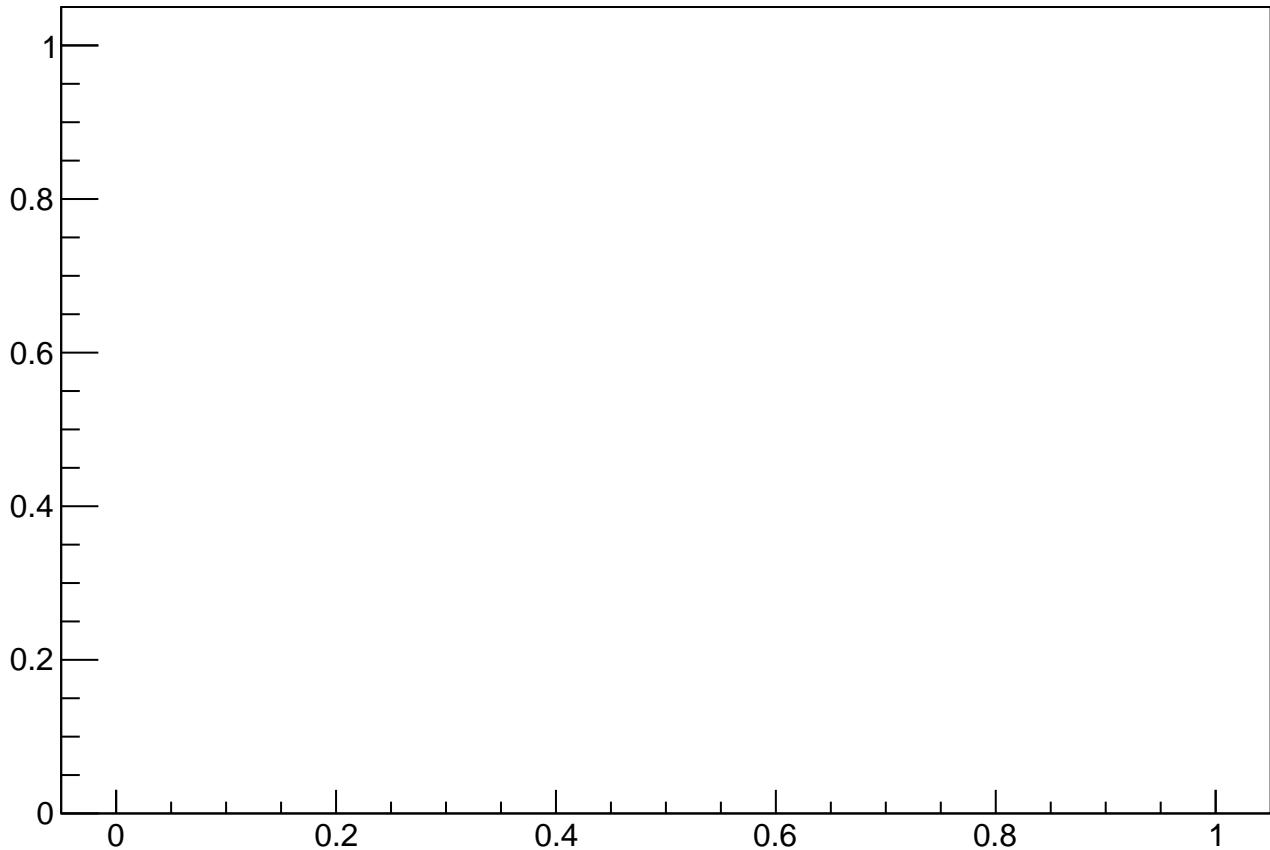
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aY\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

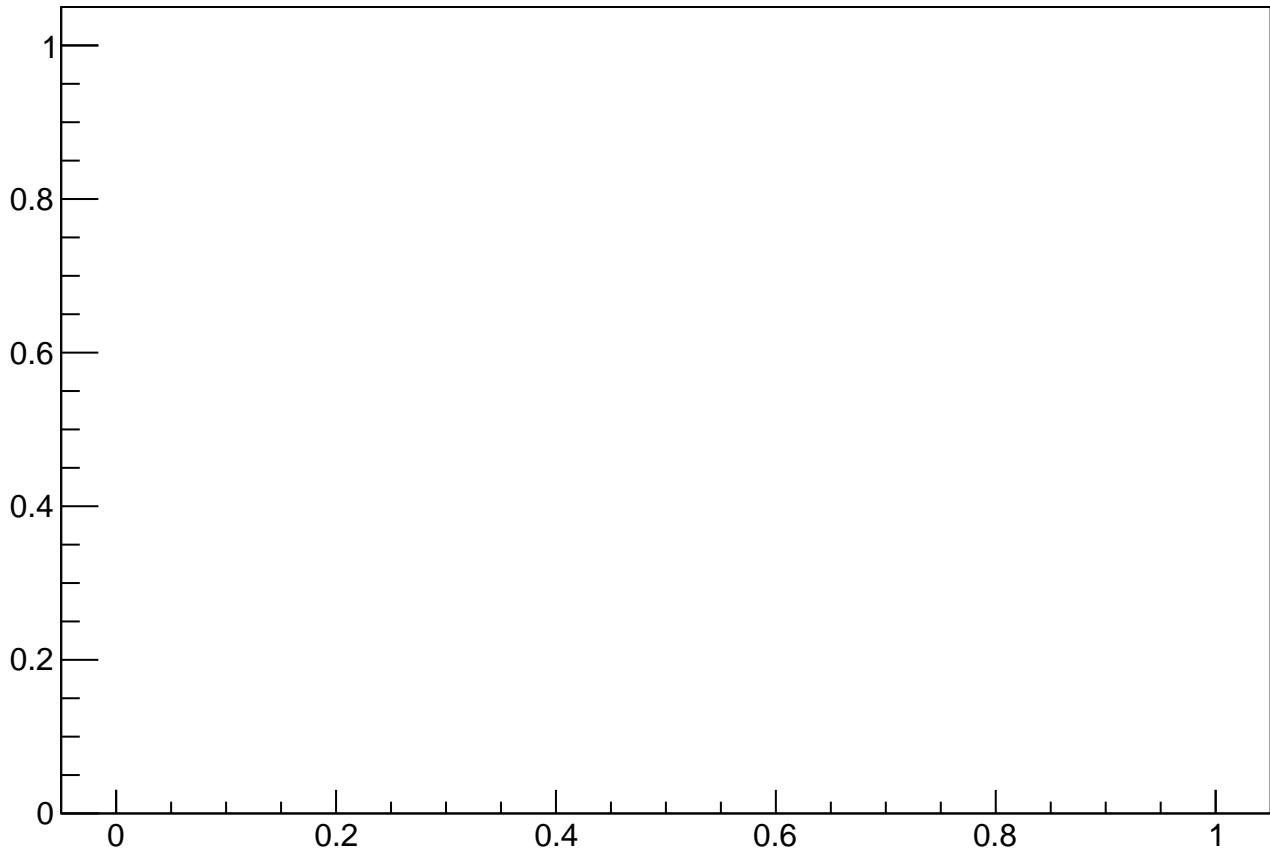
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

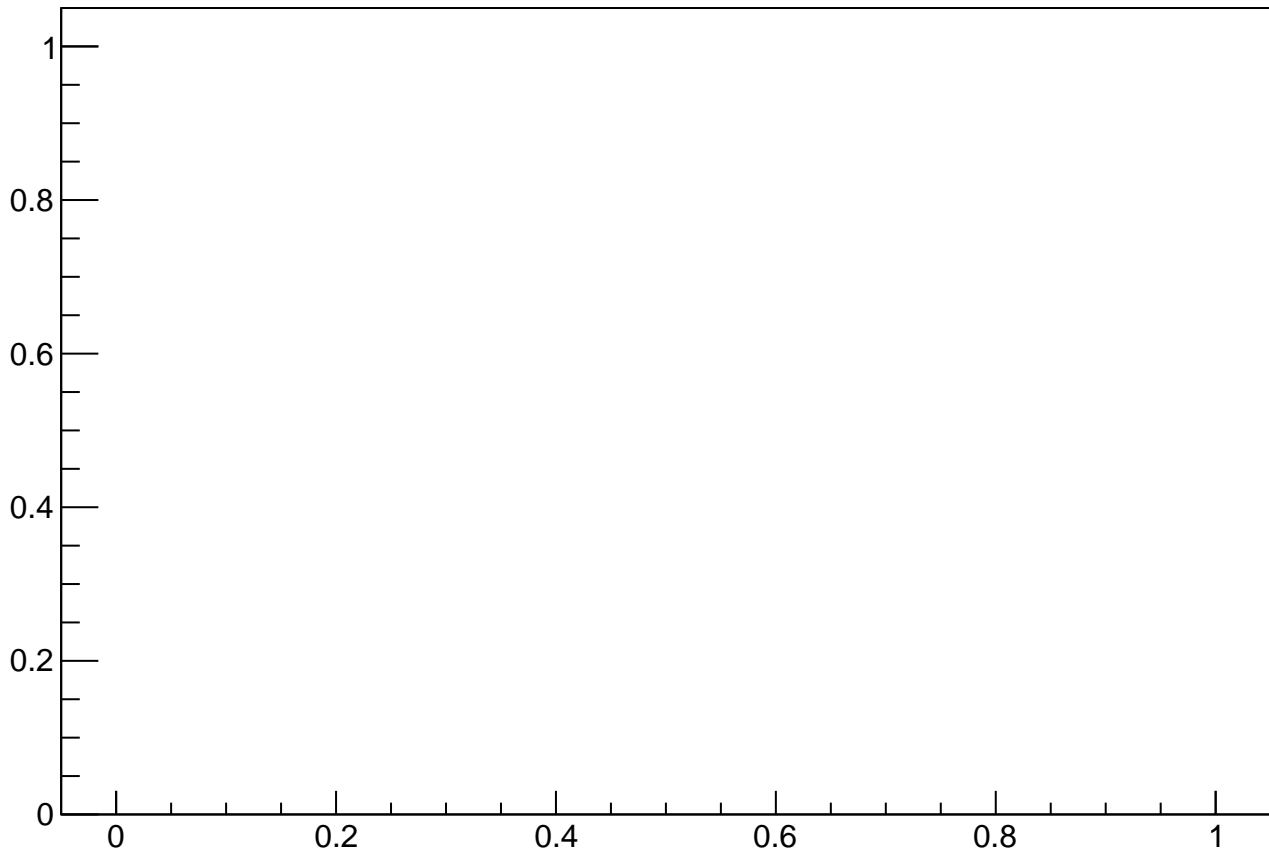
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

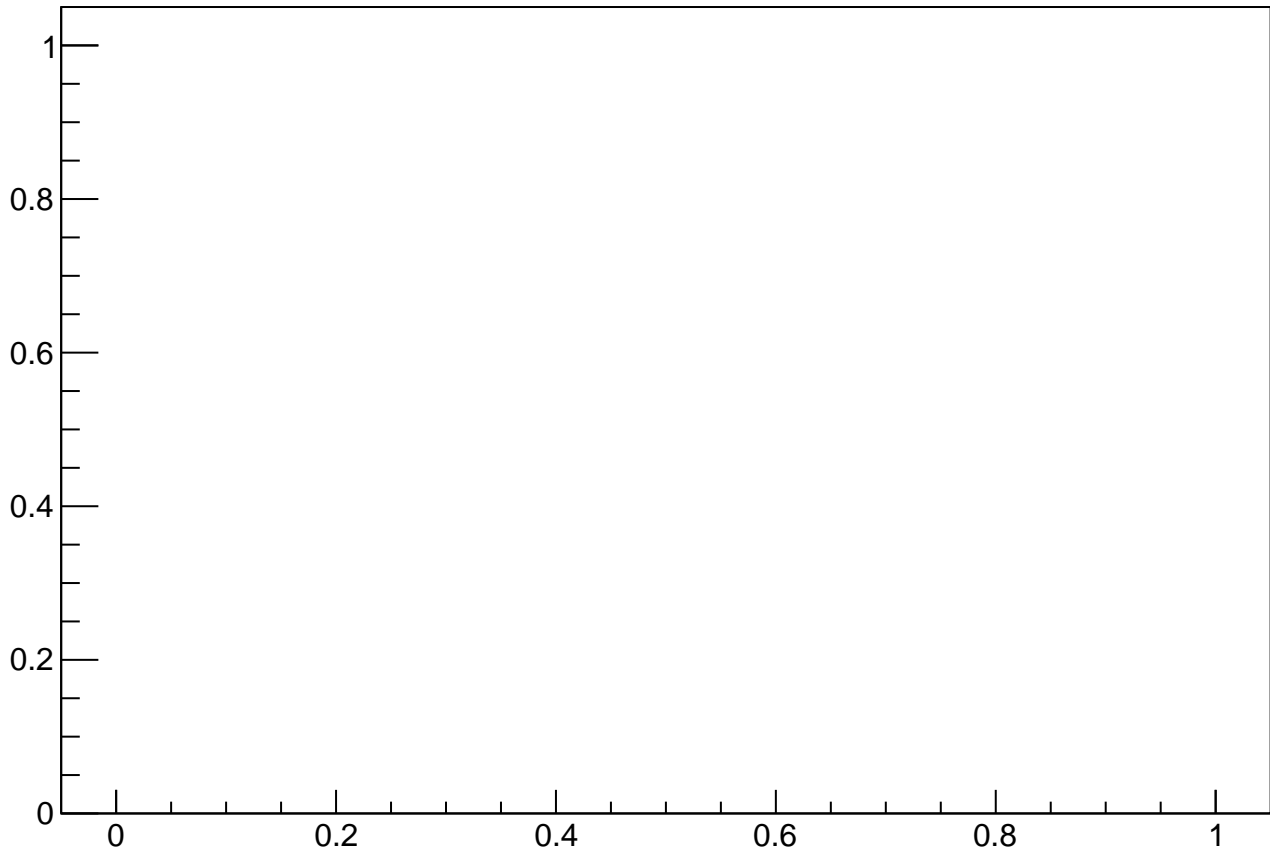
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

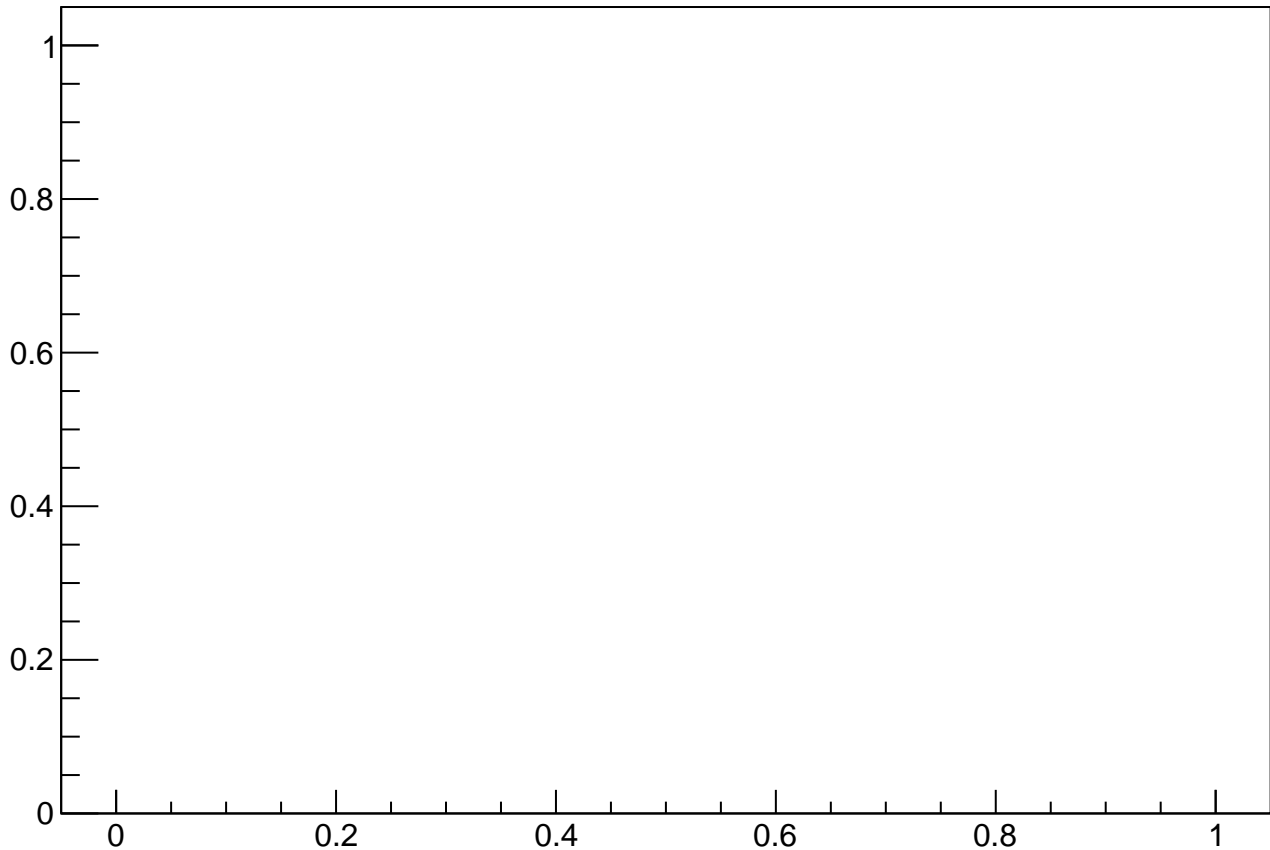
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usr\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

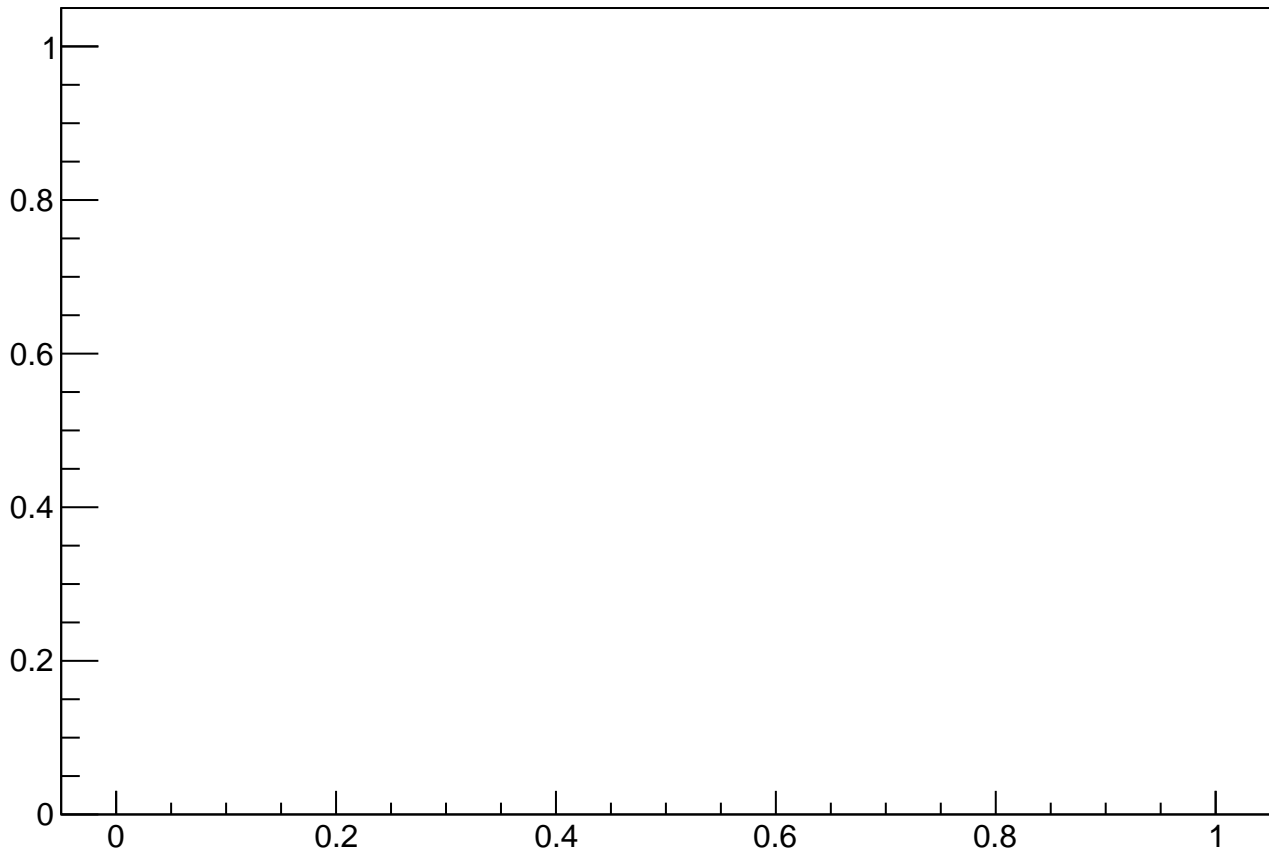
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

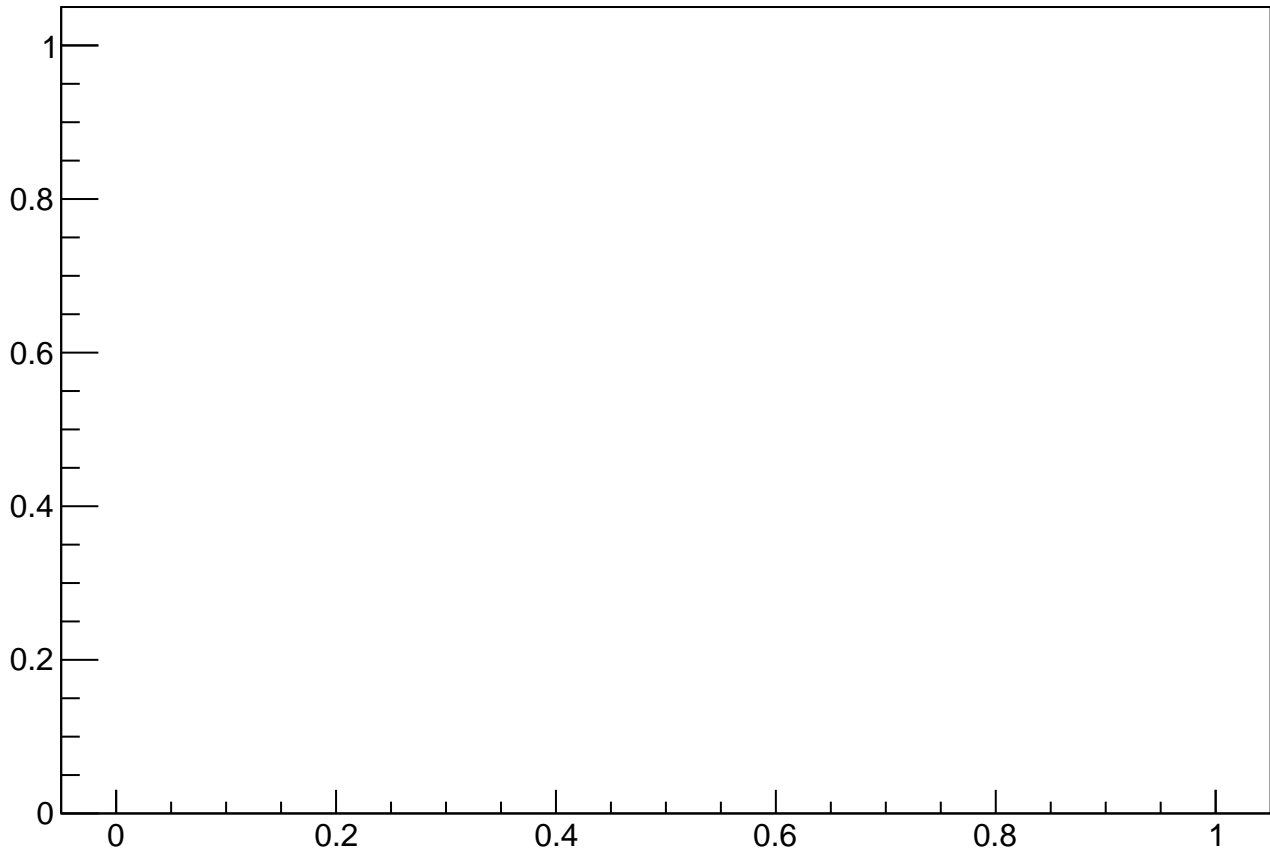
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

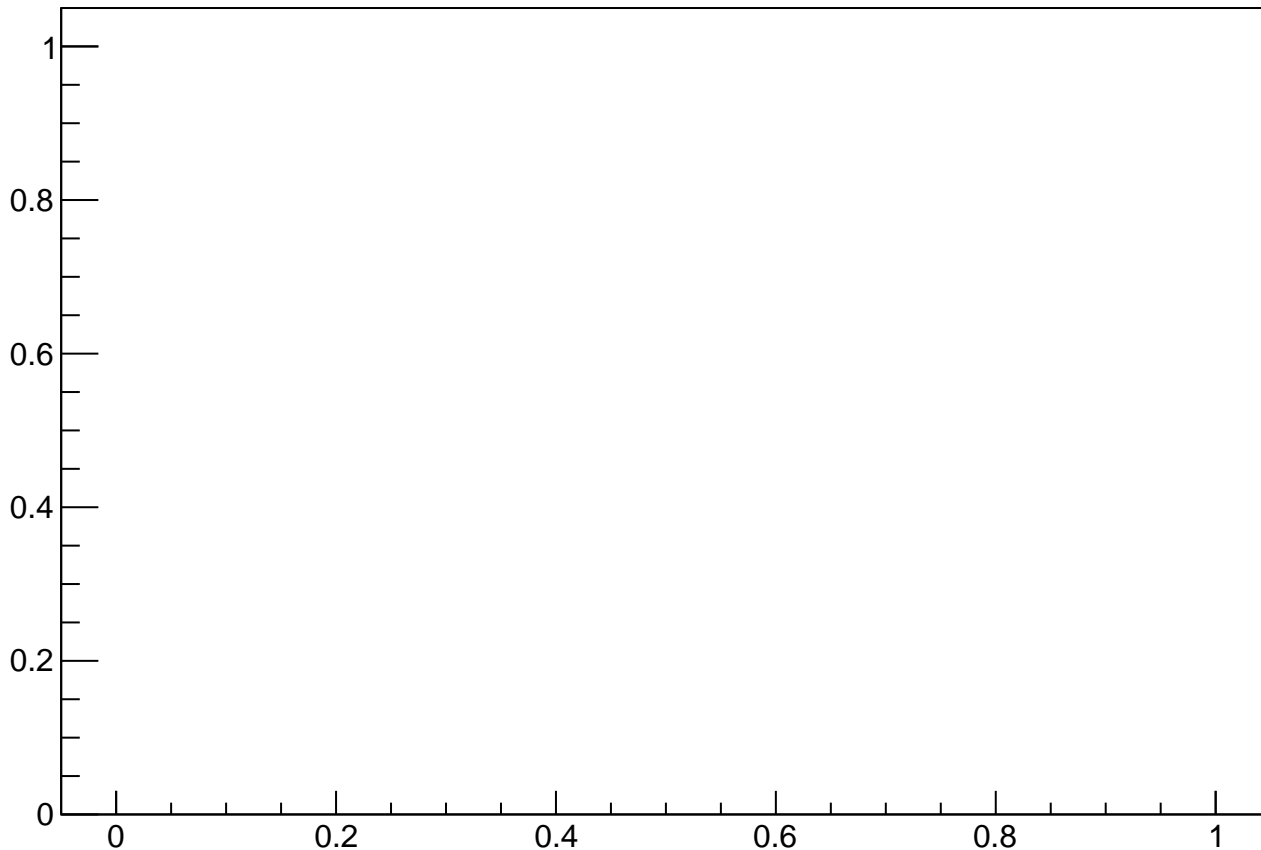
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_atl2\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

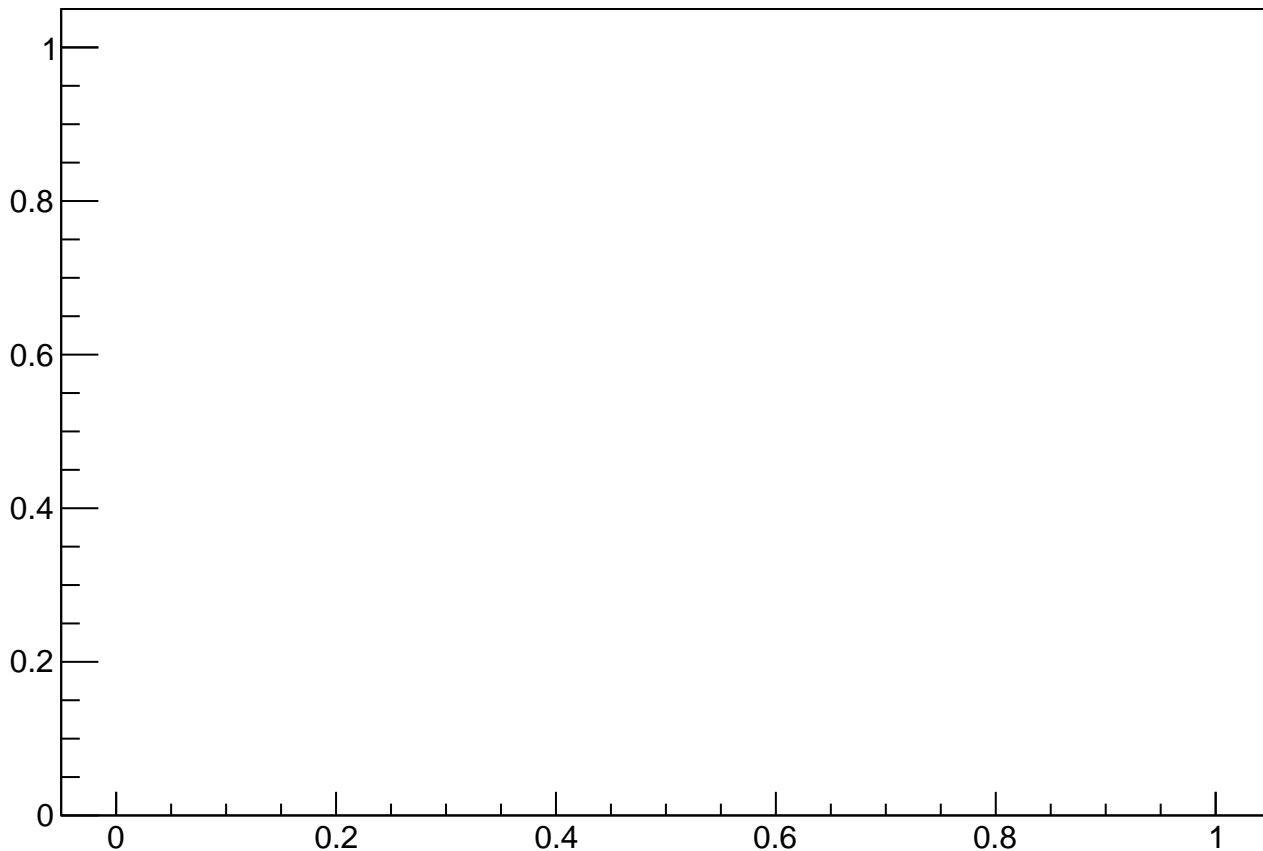
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

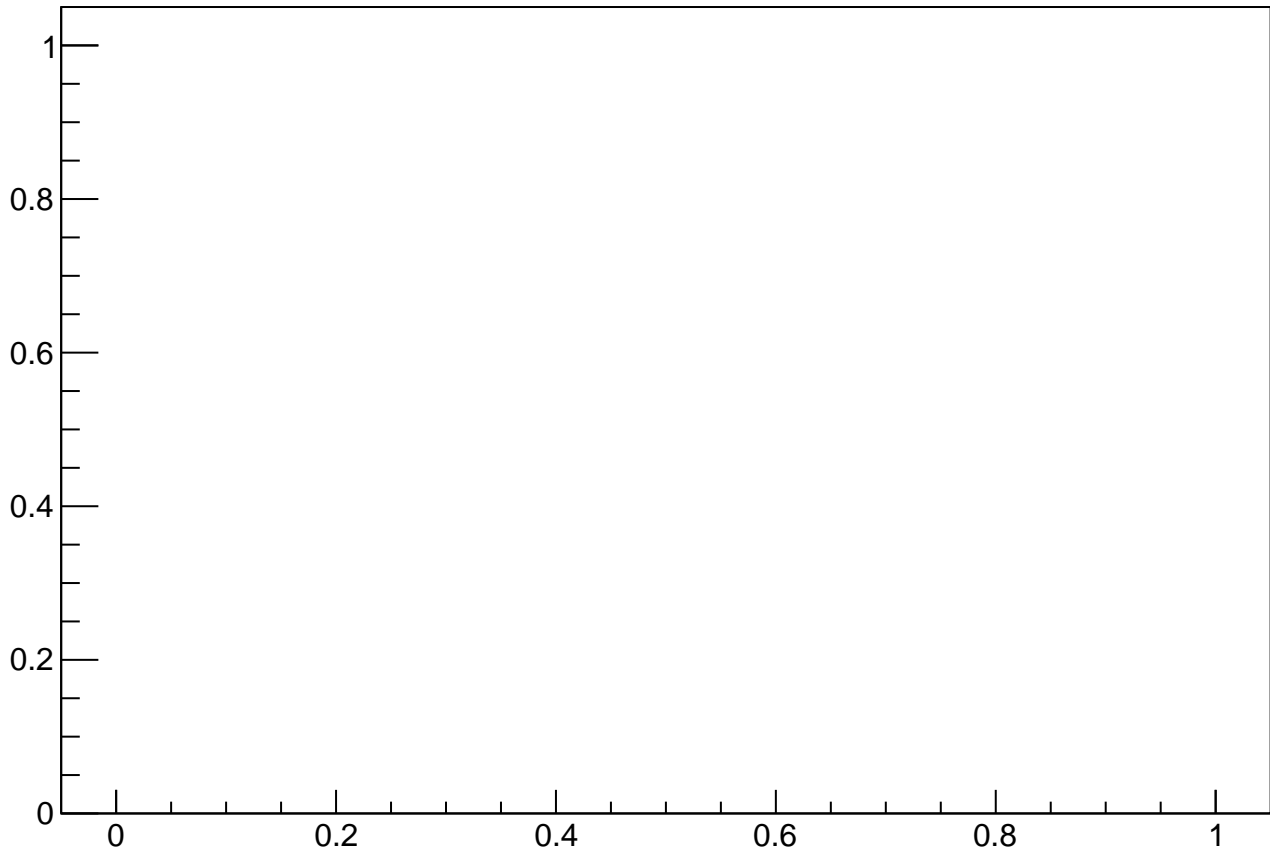
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

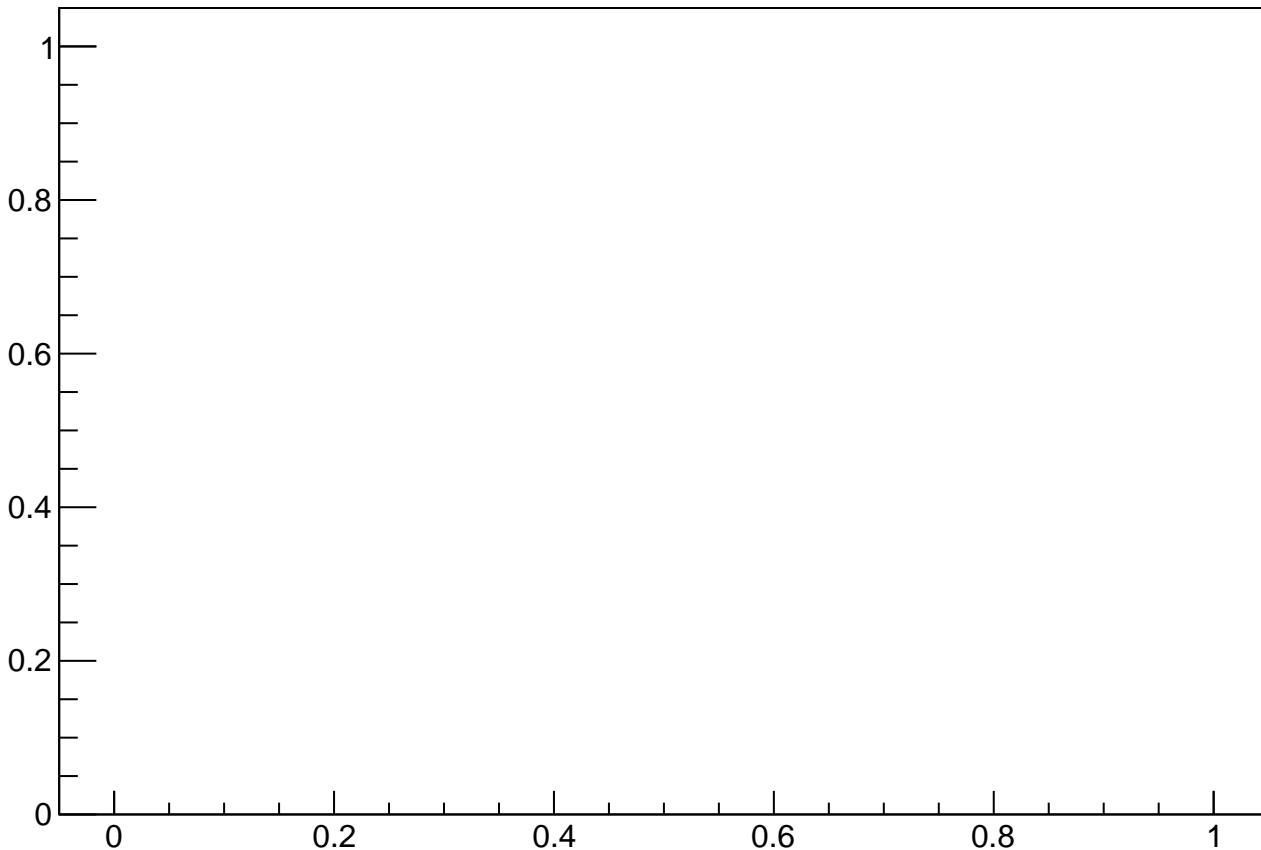
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

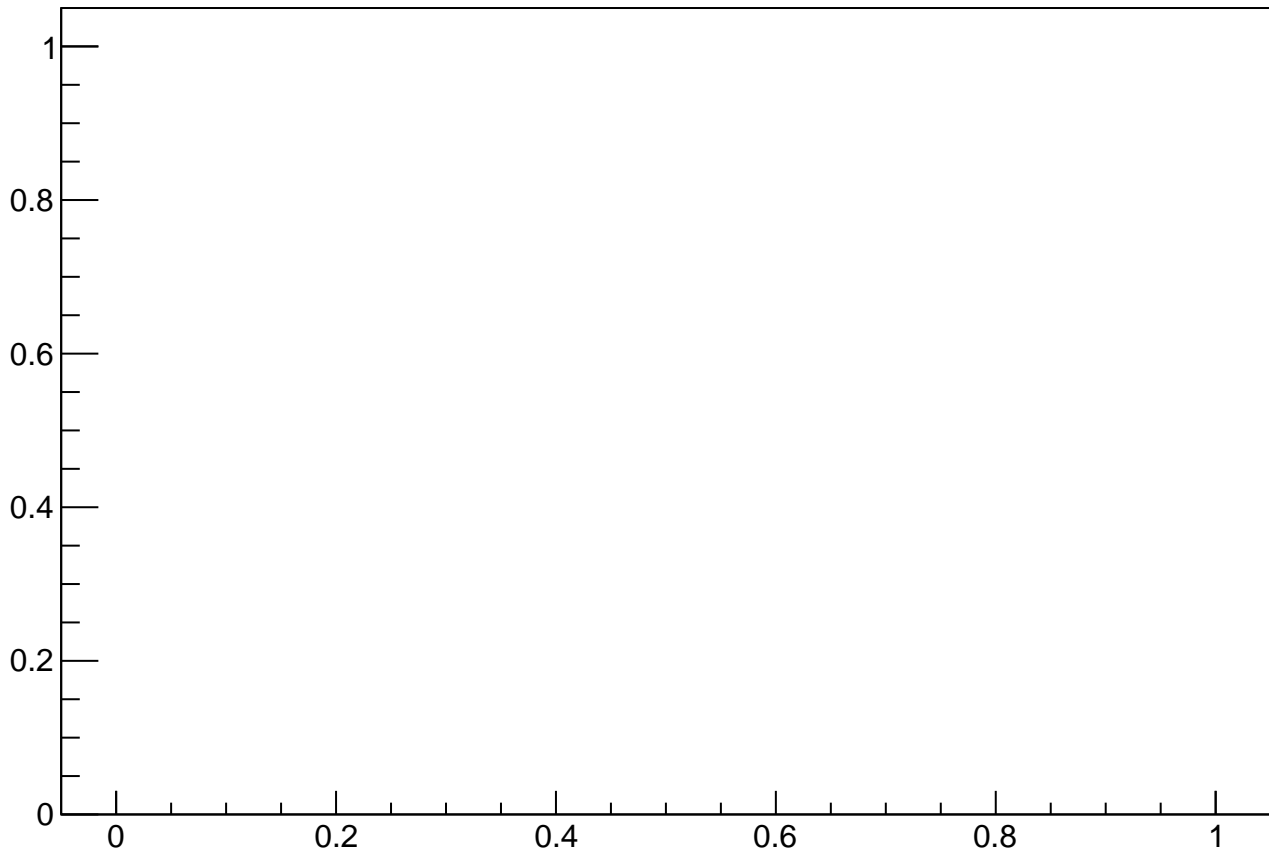
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam1\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

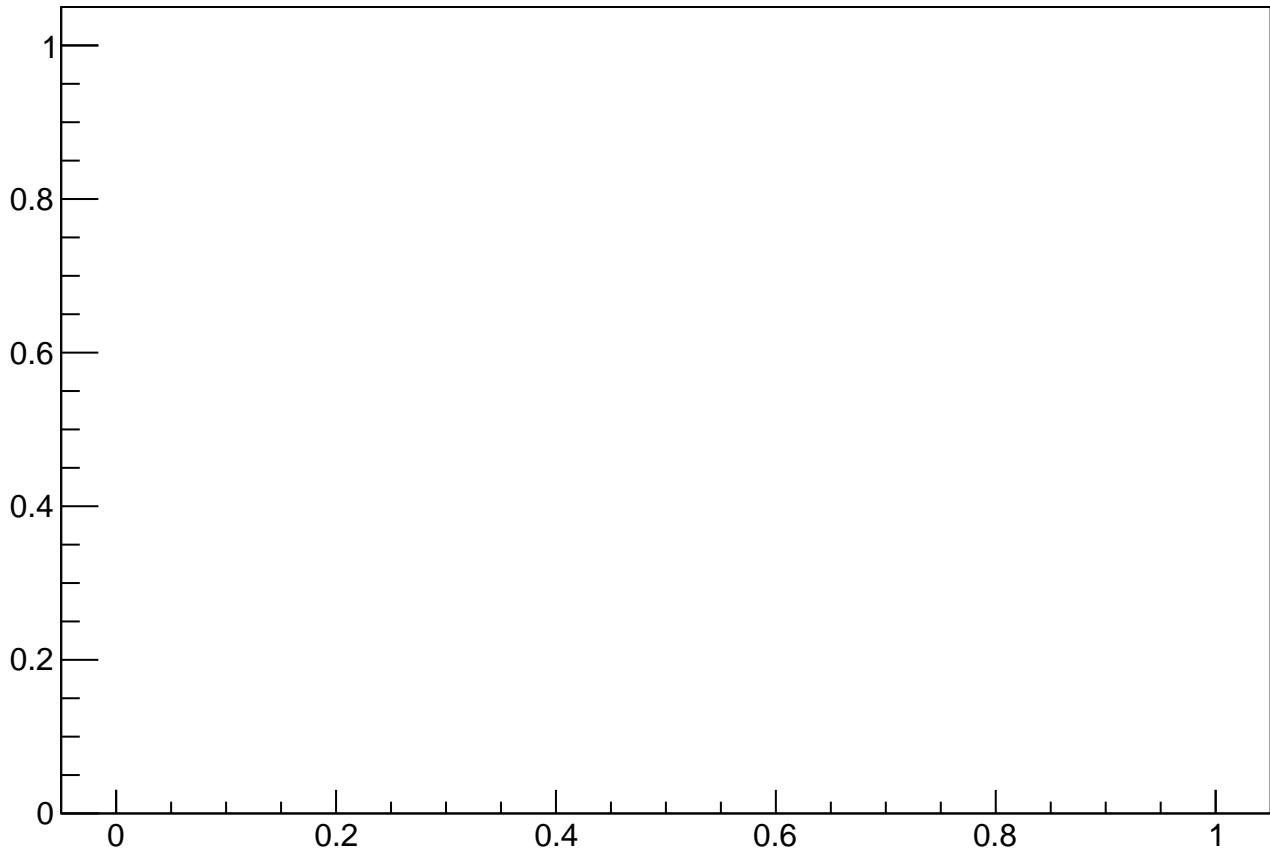
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

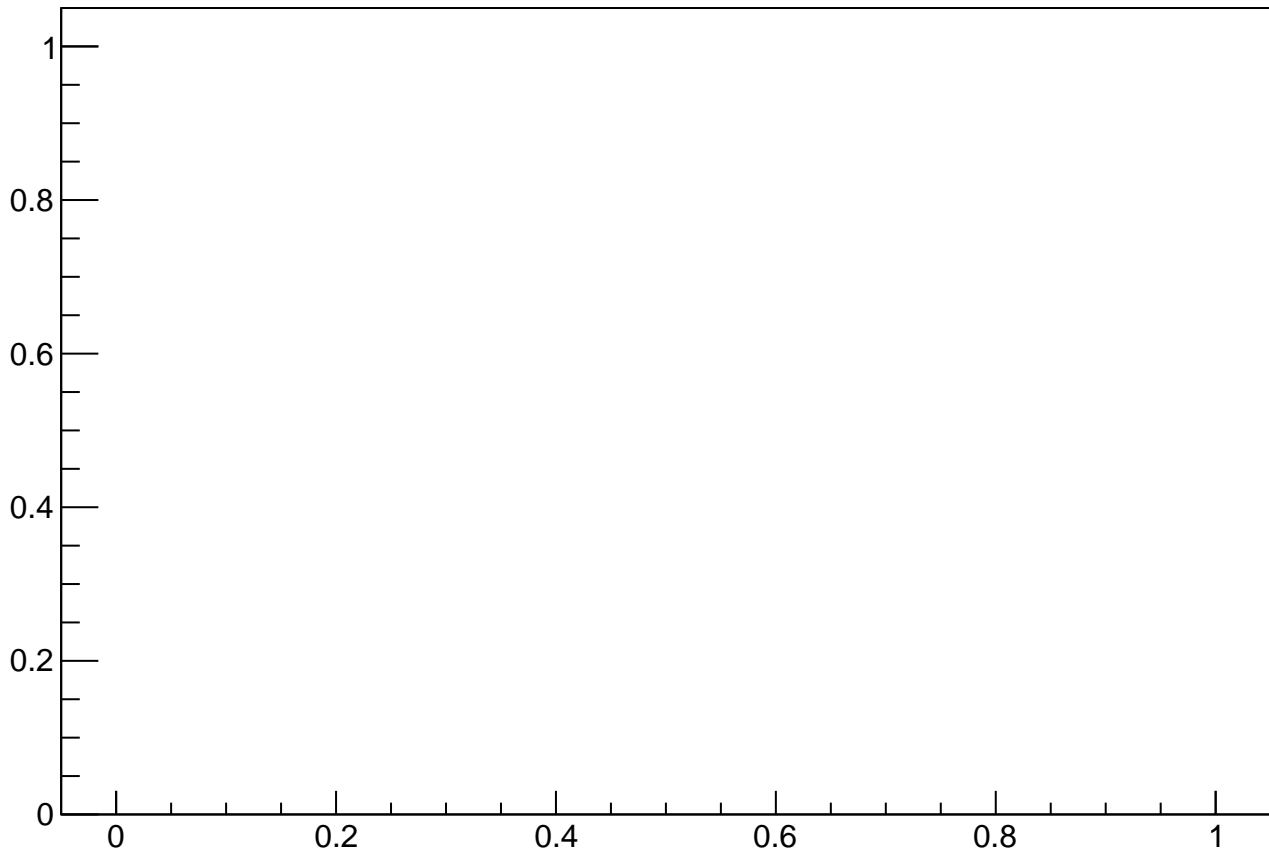
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

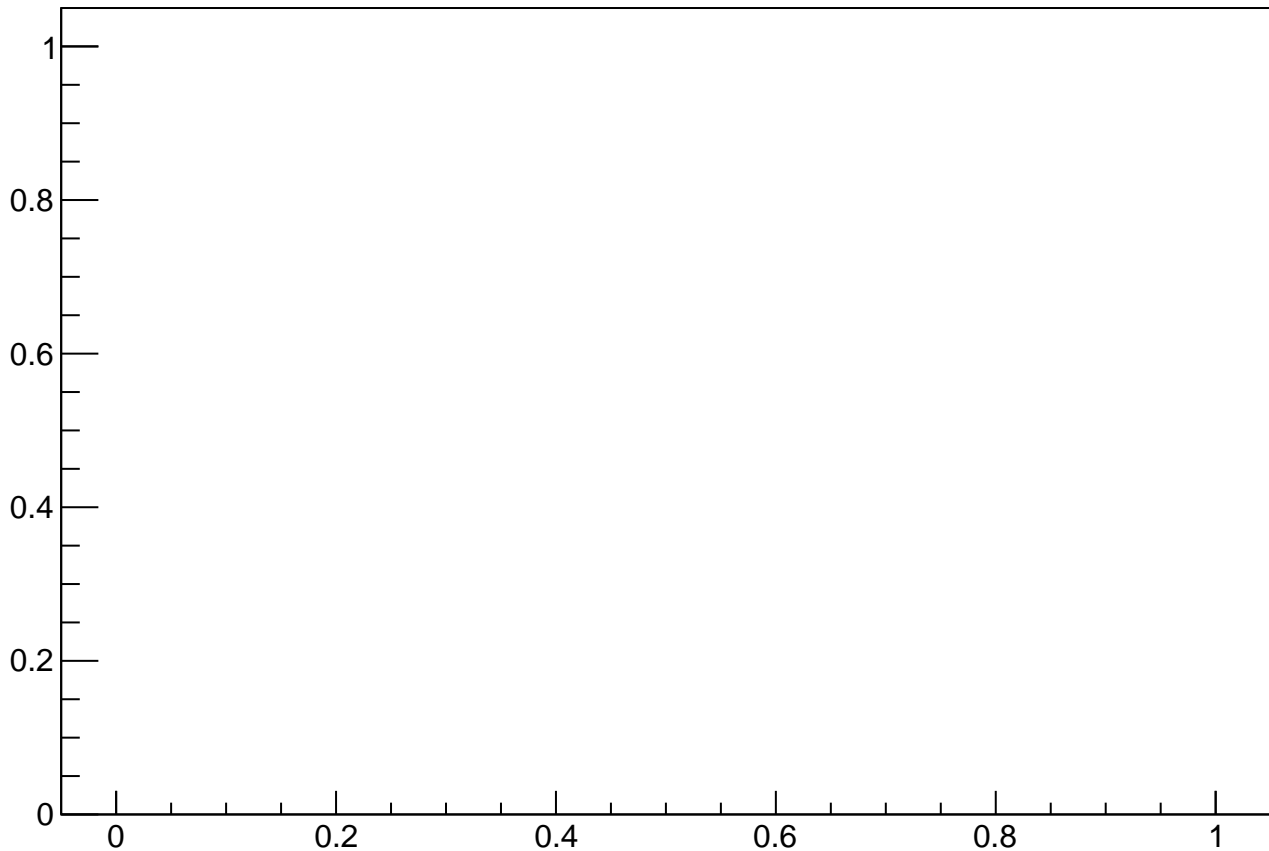
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

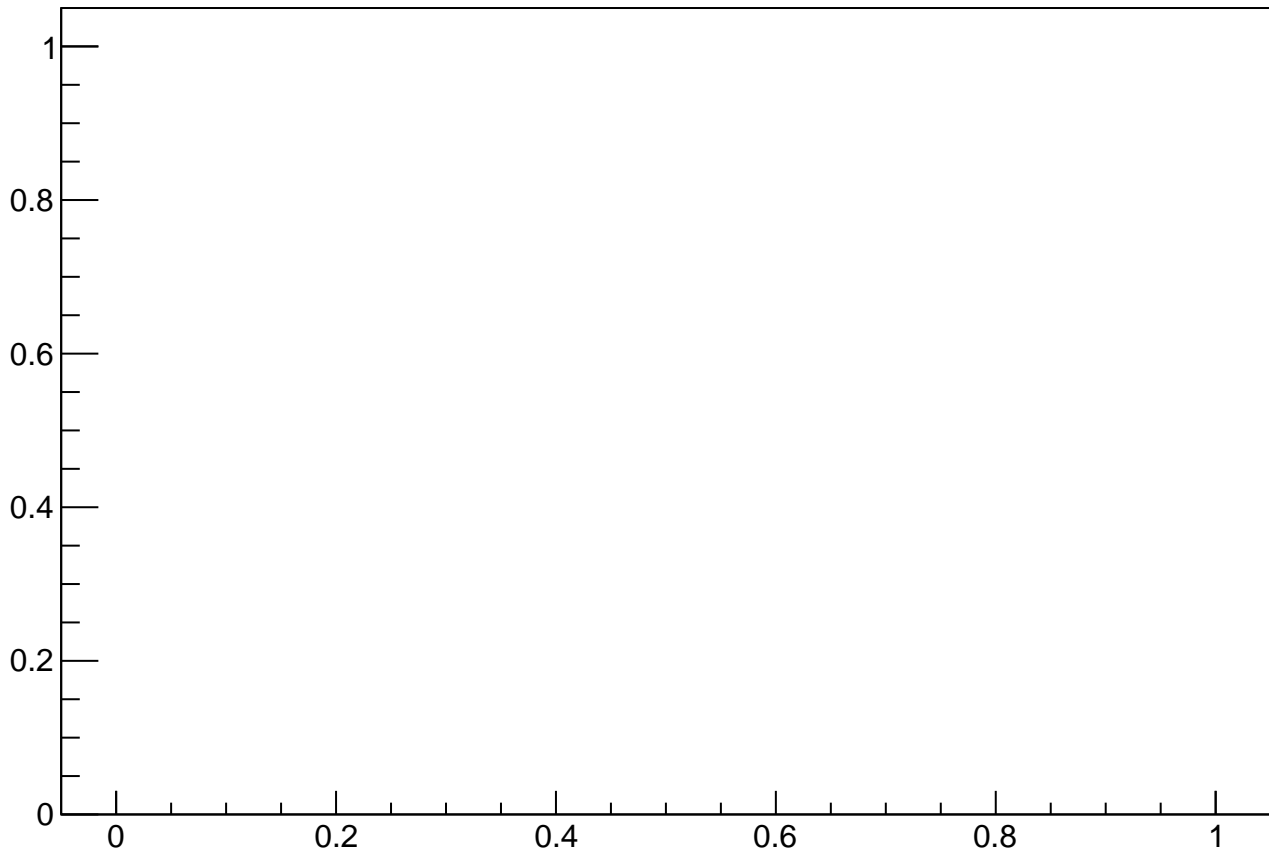
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

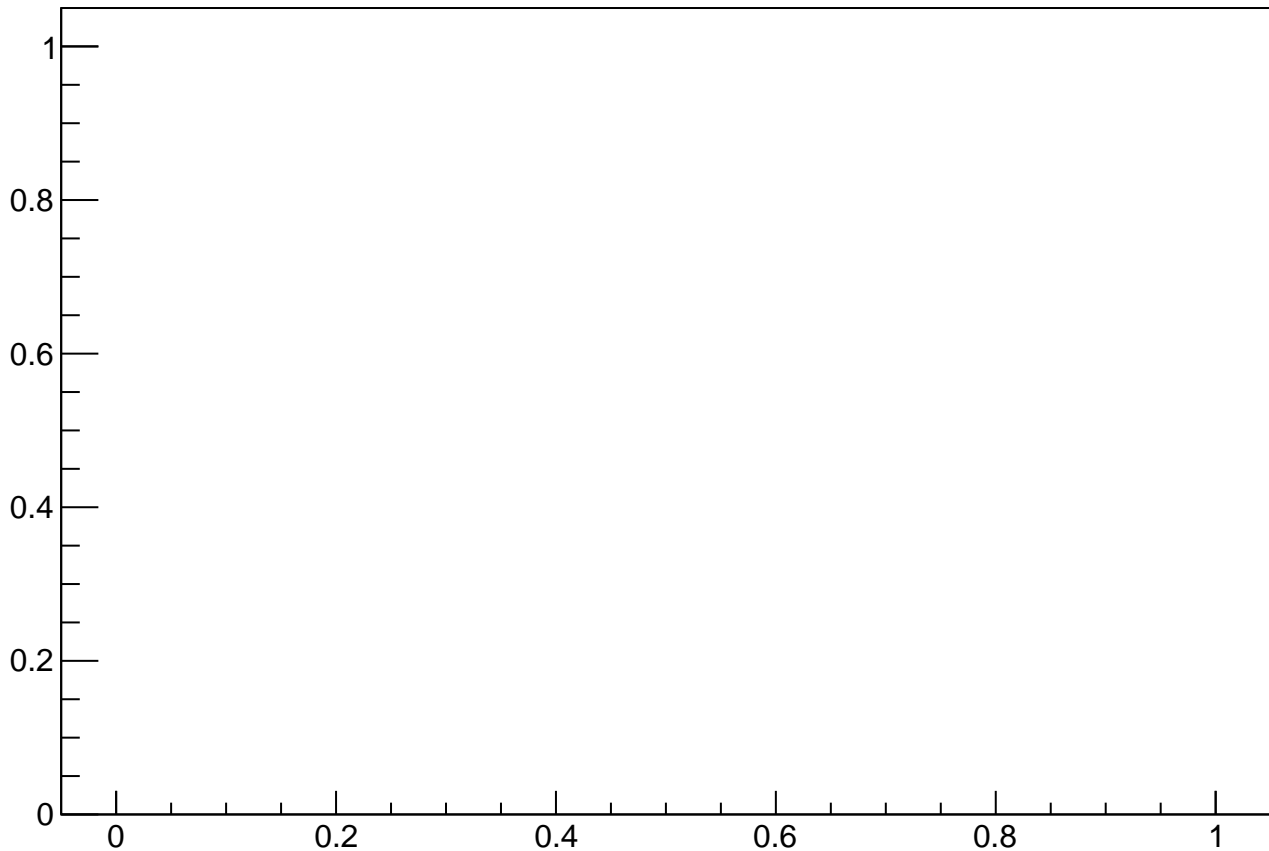
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam4\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

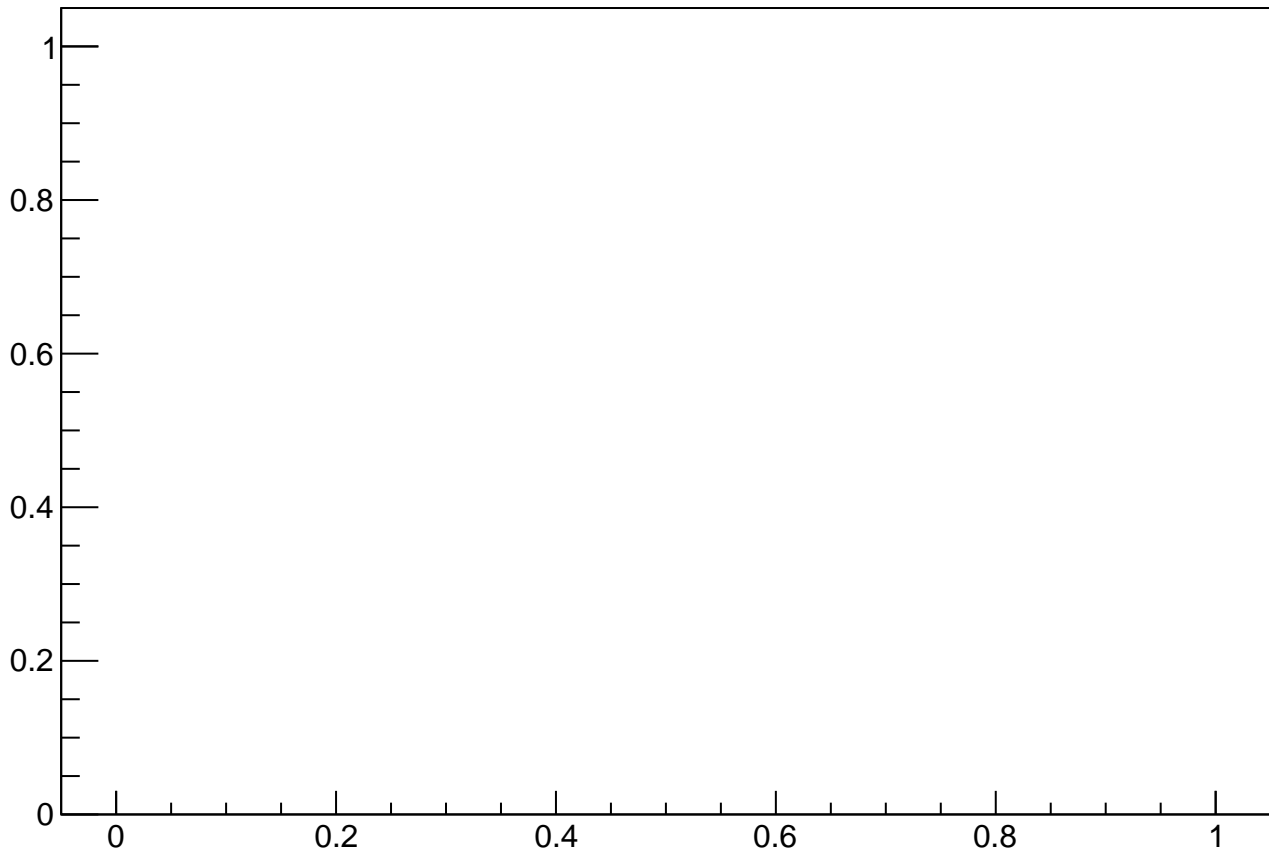
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

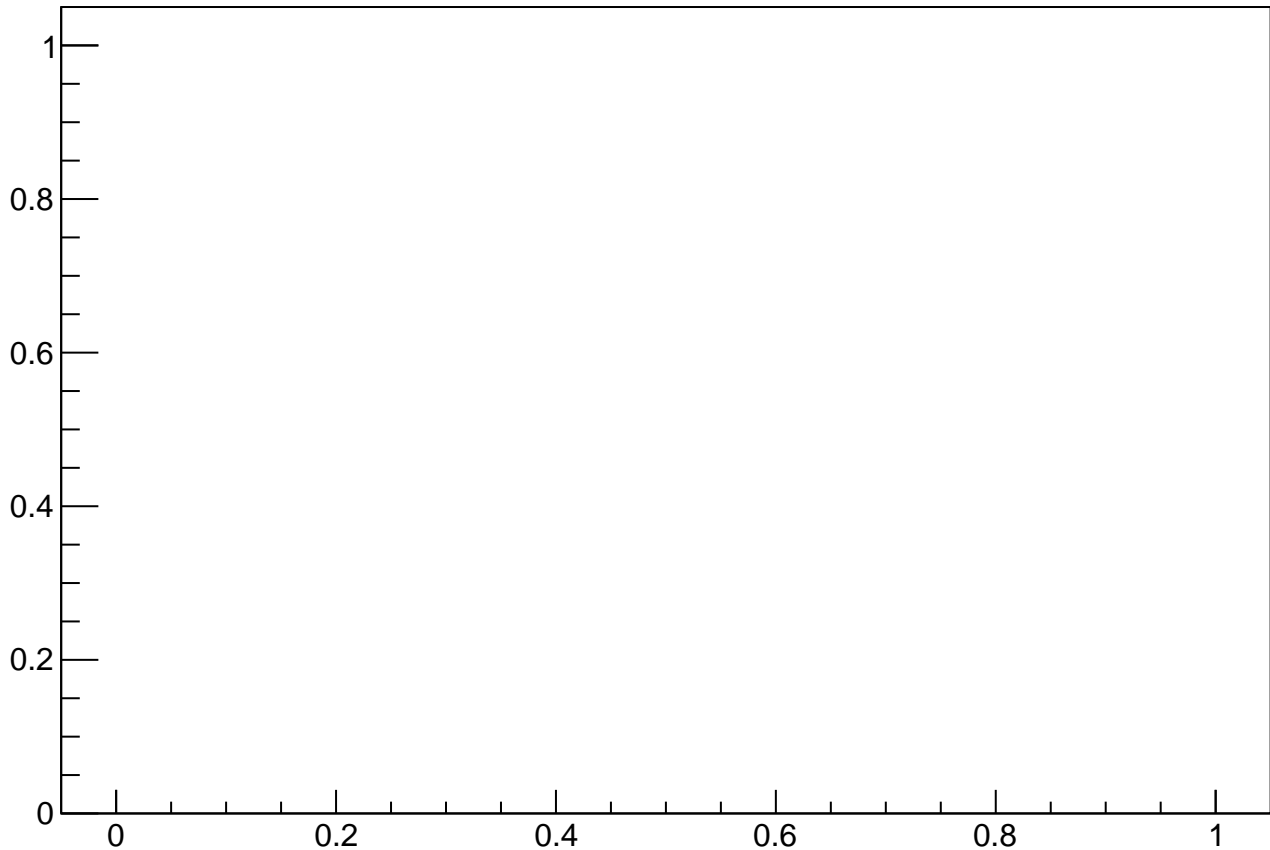
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

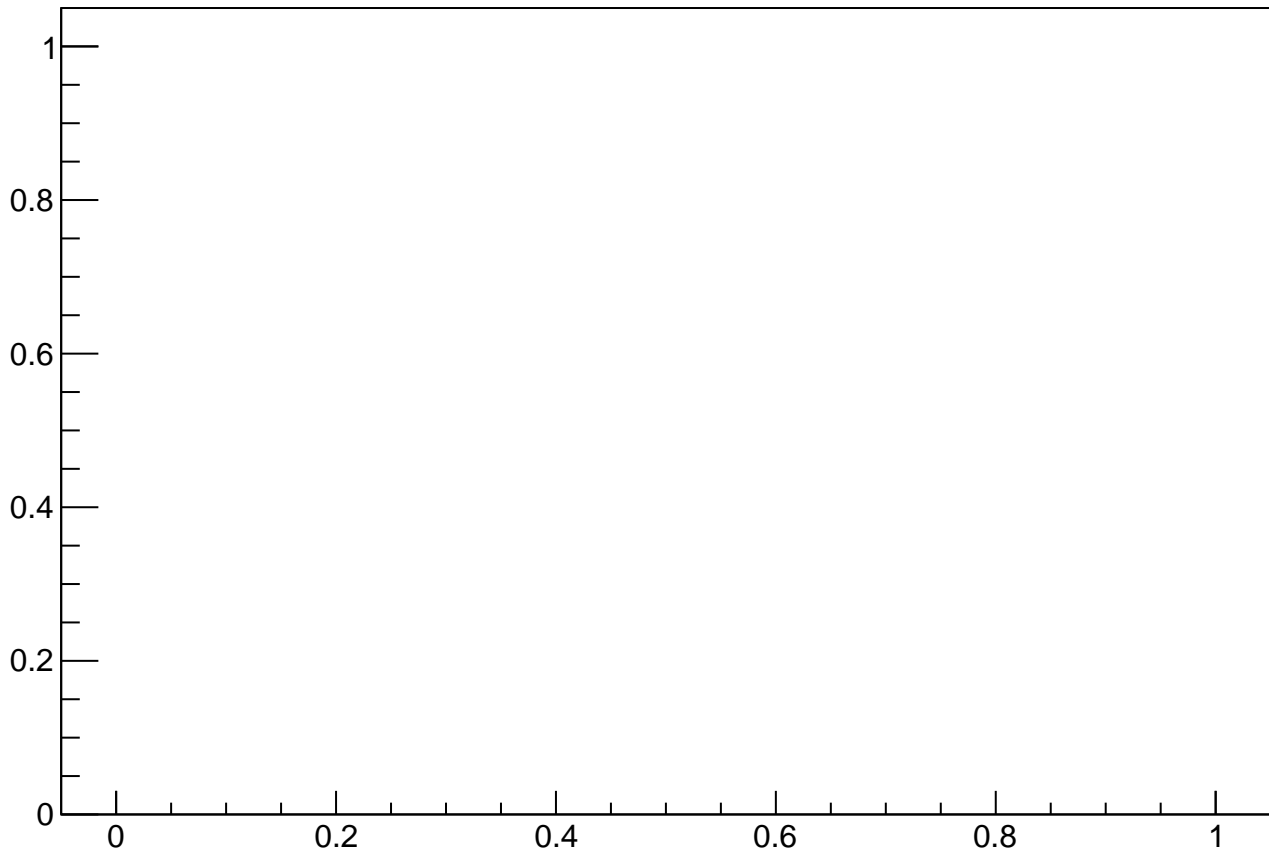
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

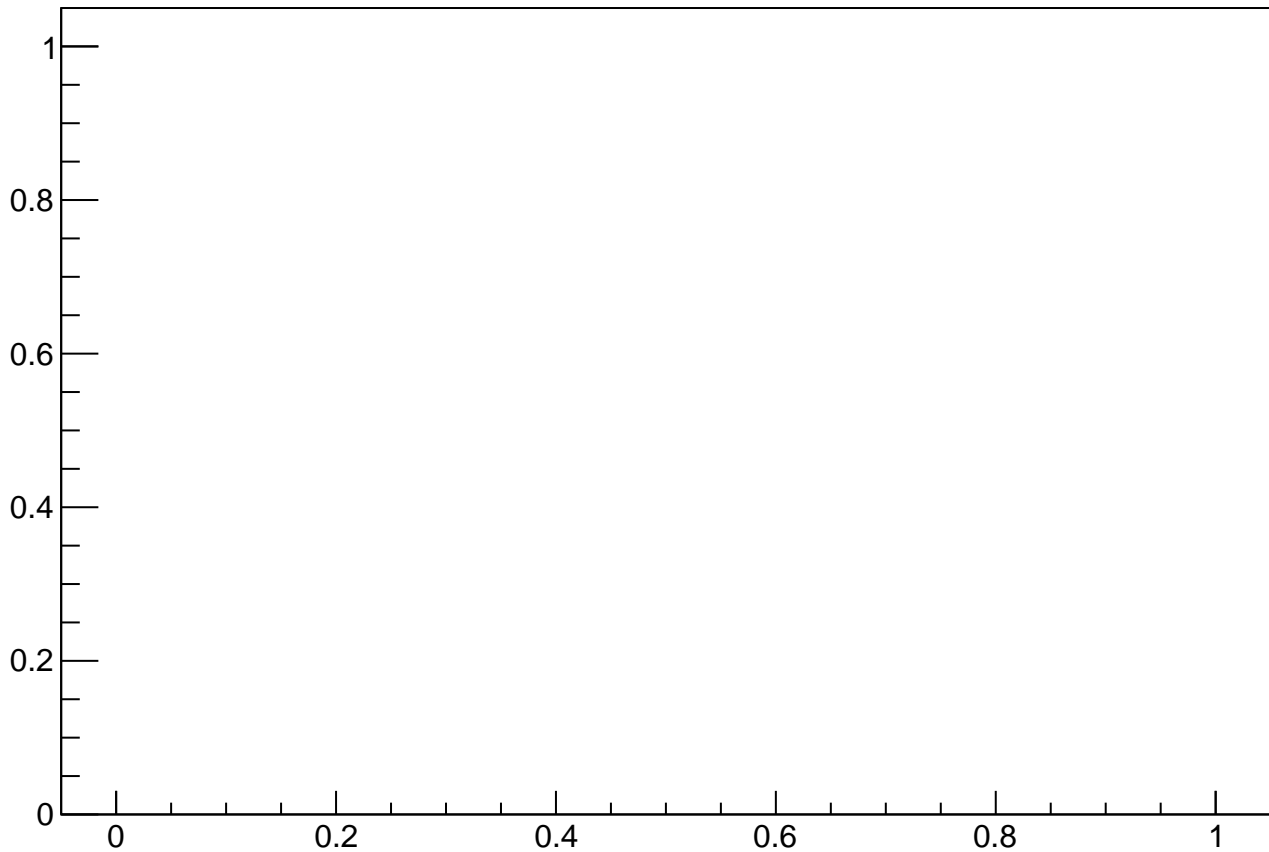
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

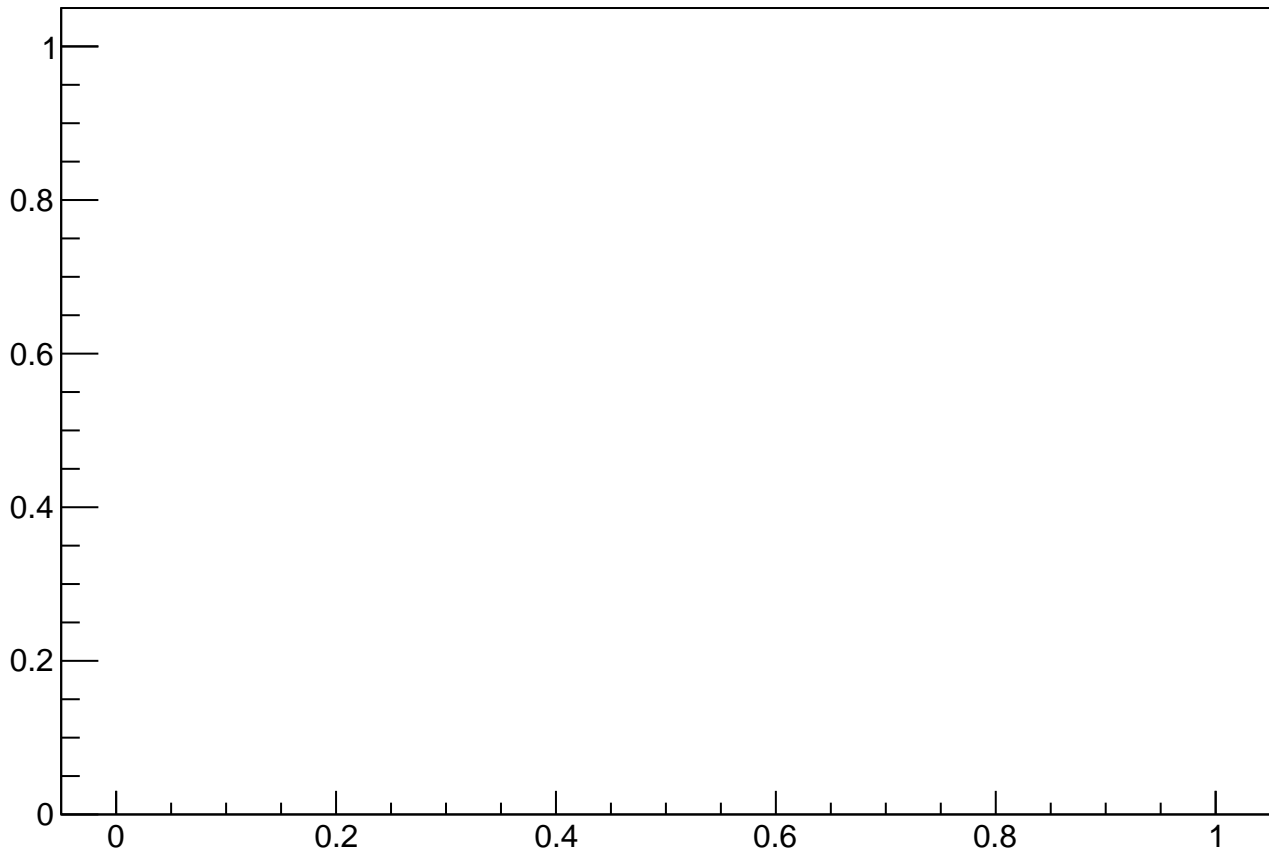
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

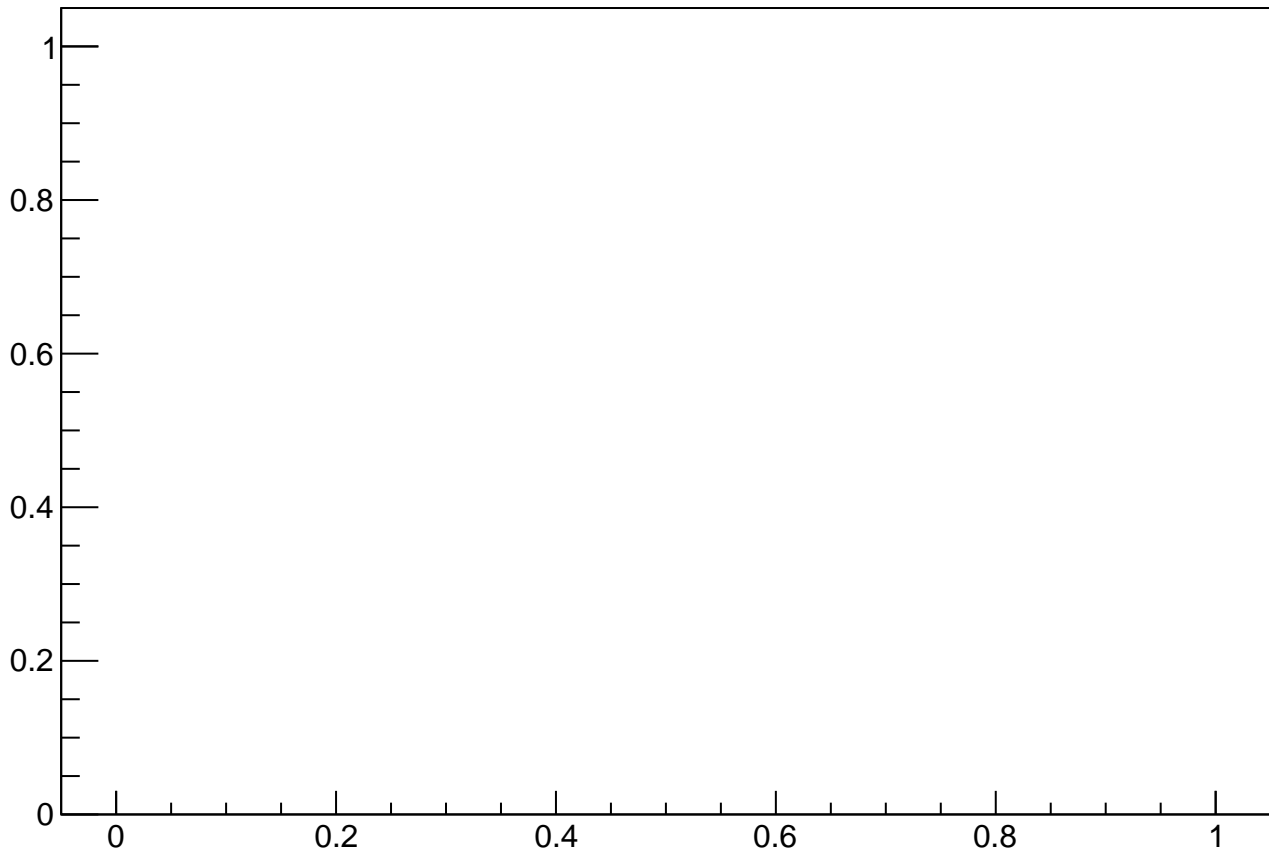
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil1\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil1\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aX\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

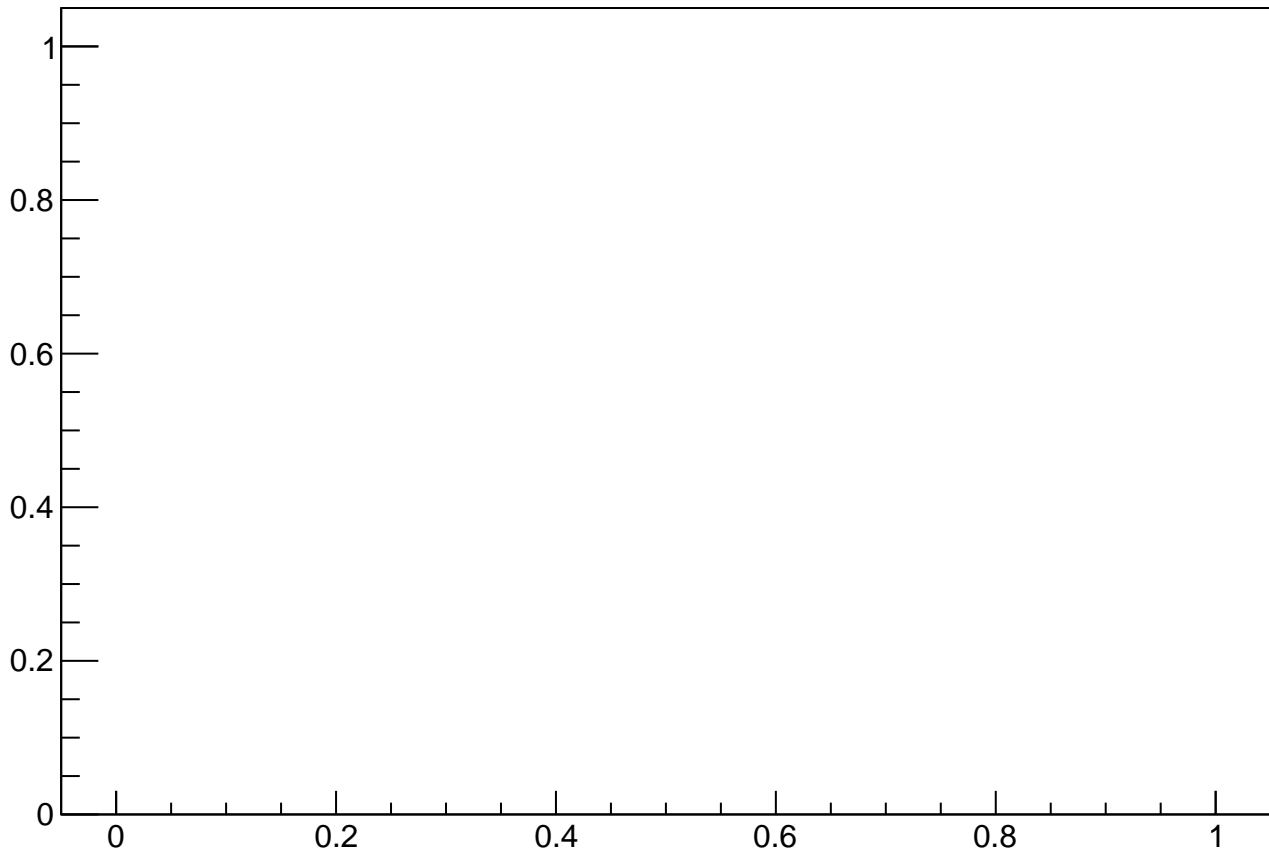
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

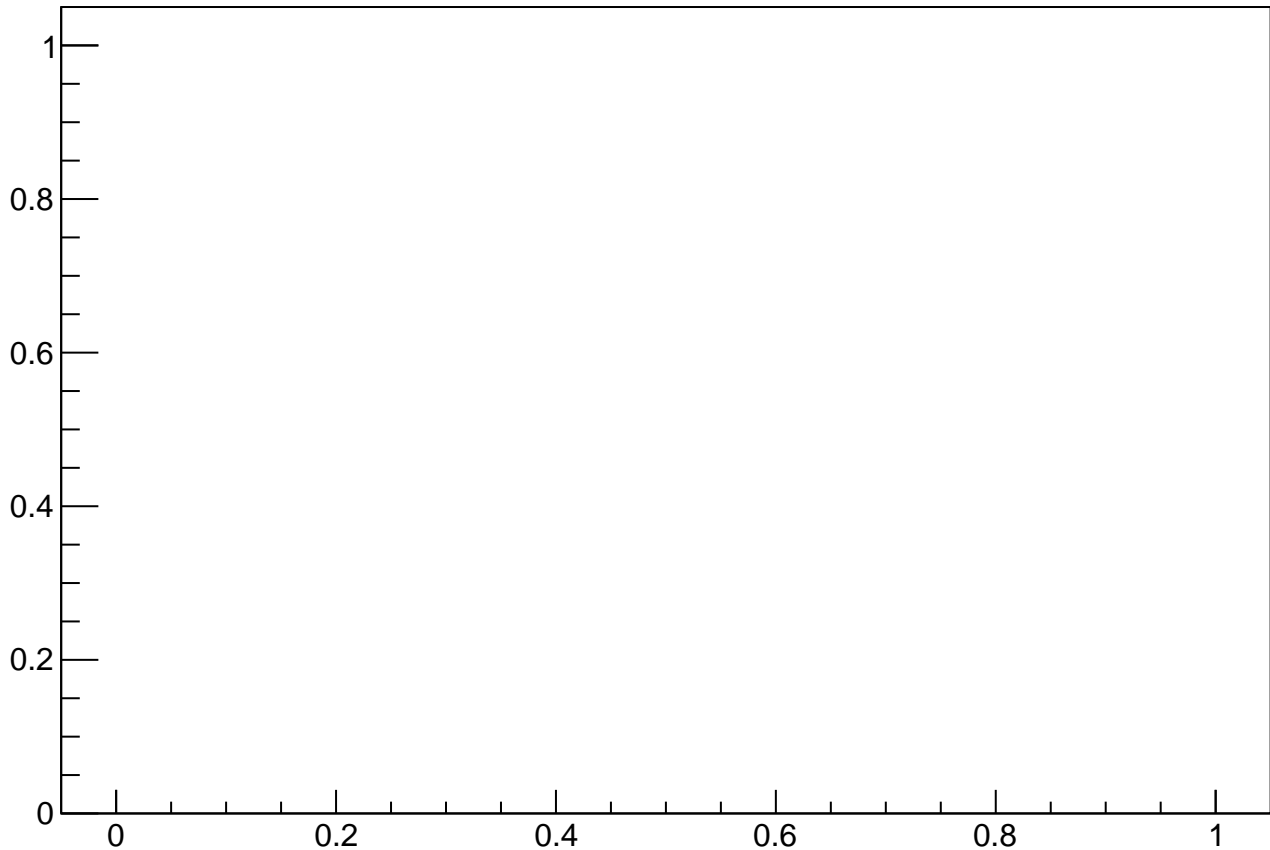
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

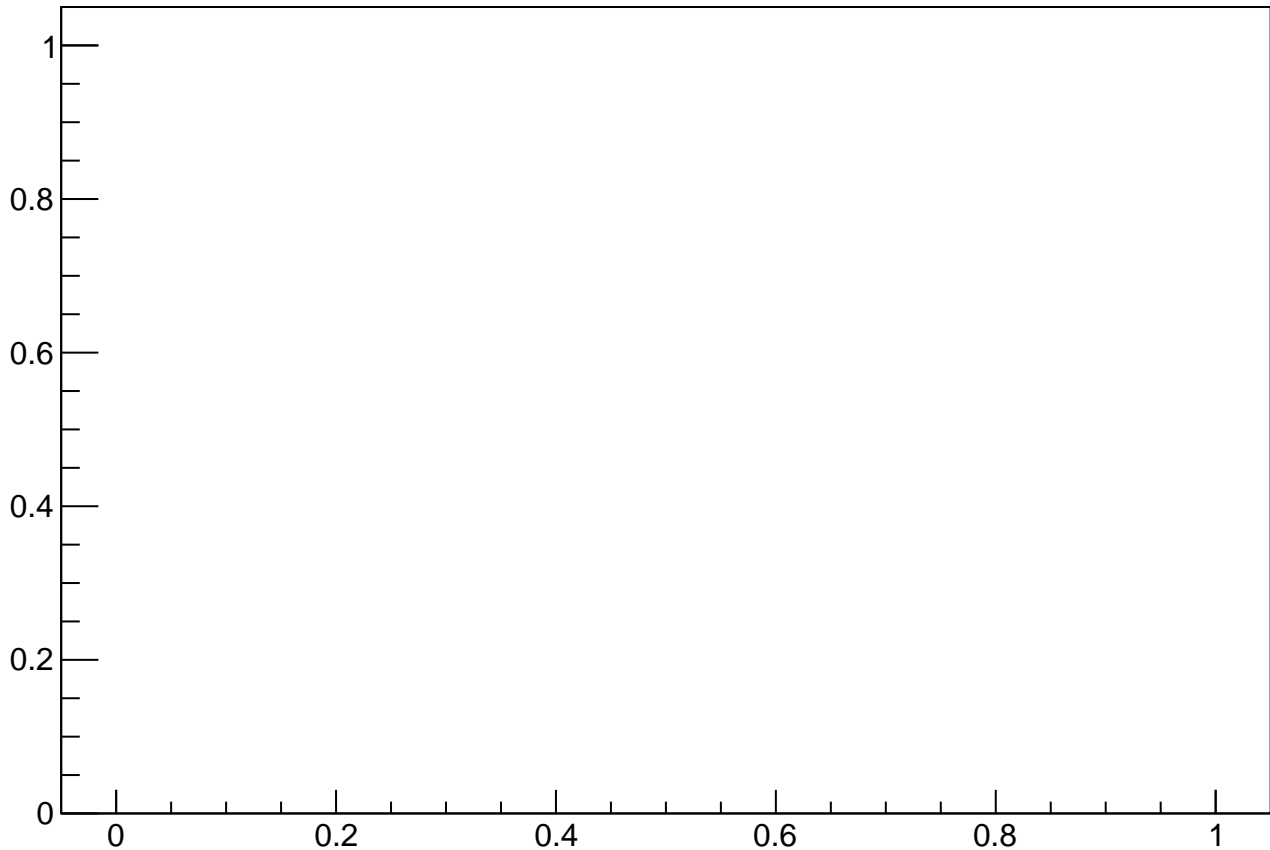
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

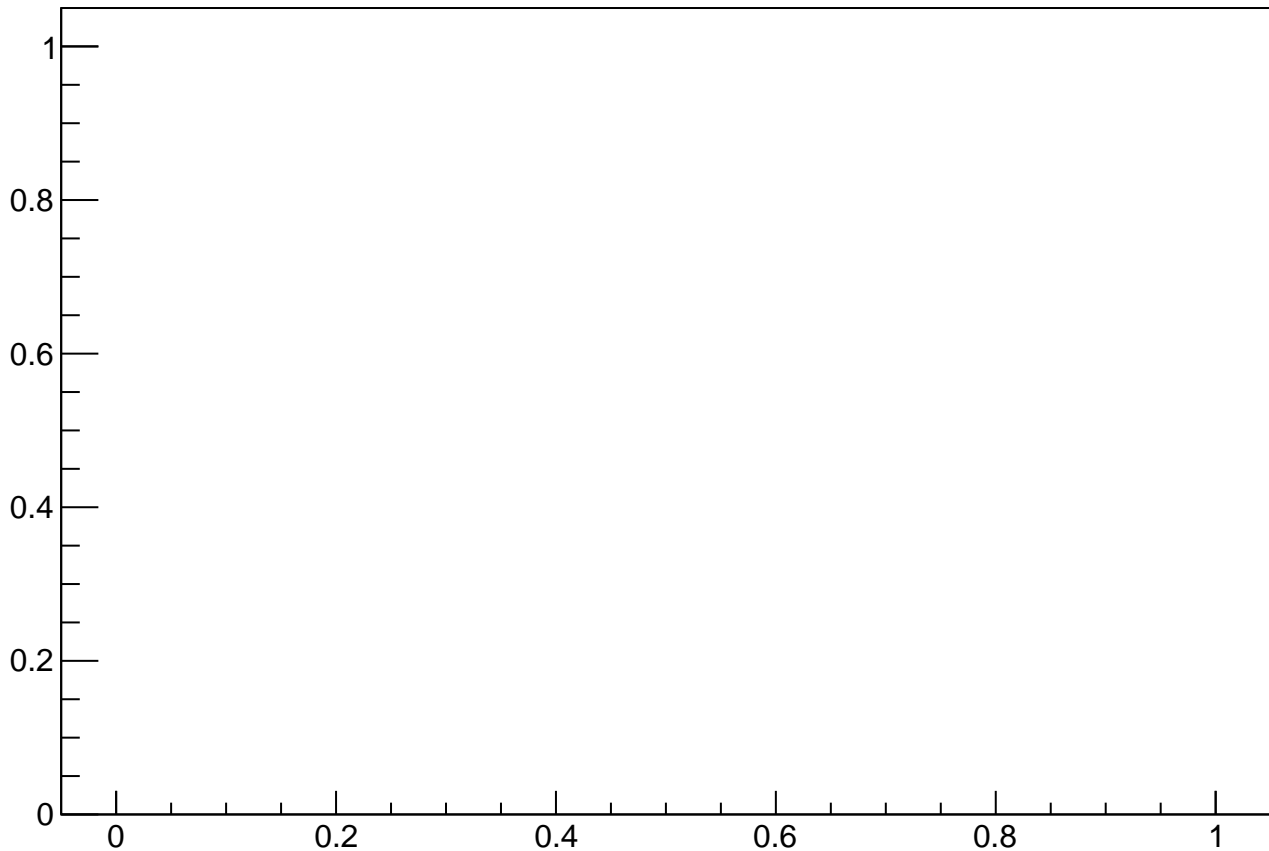
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aY\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

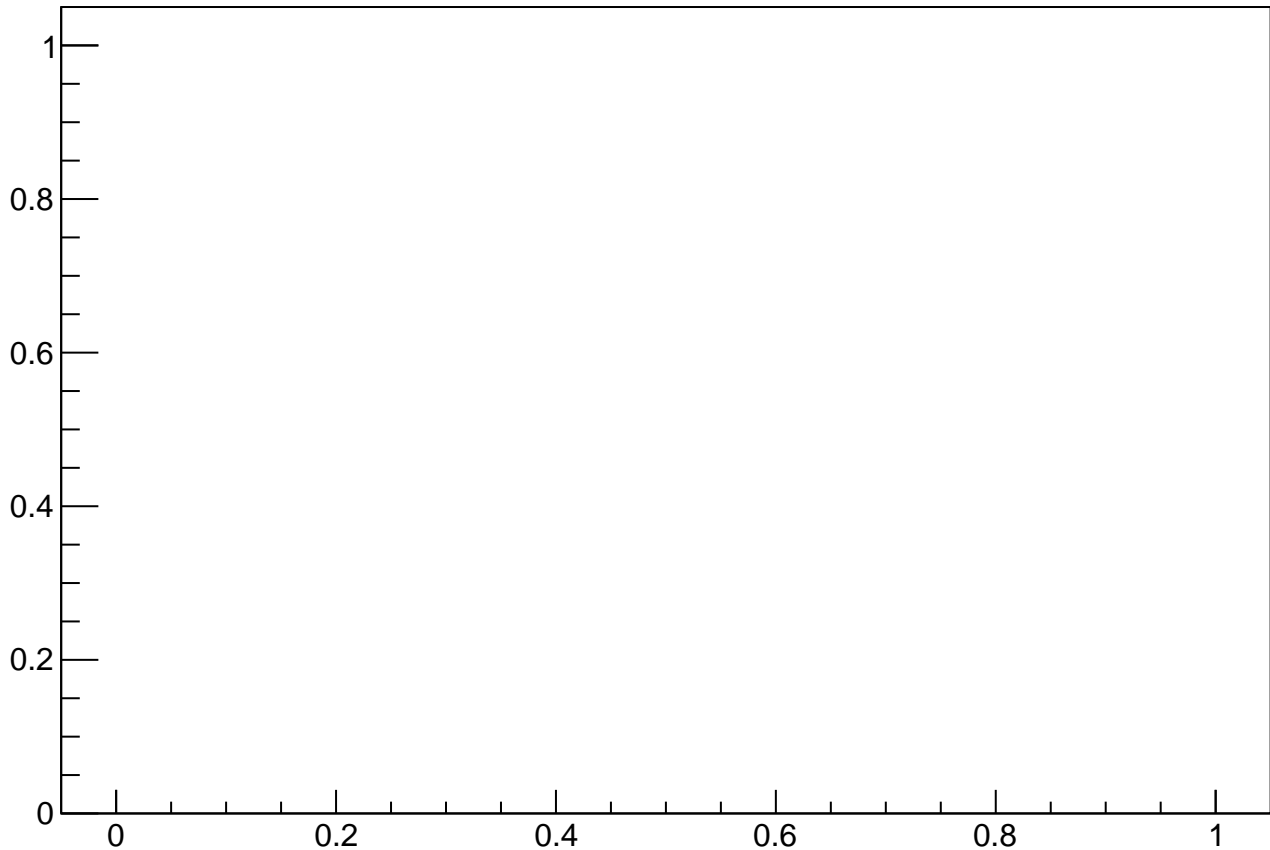
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

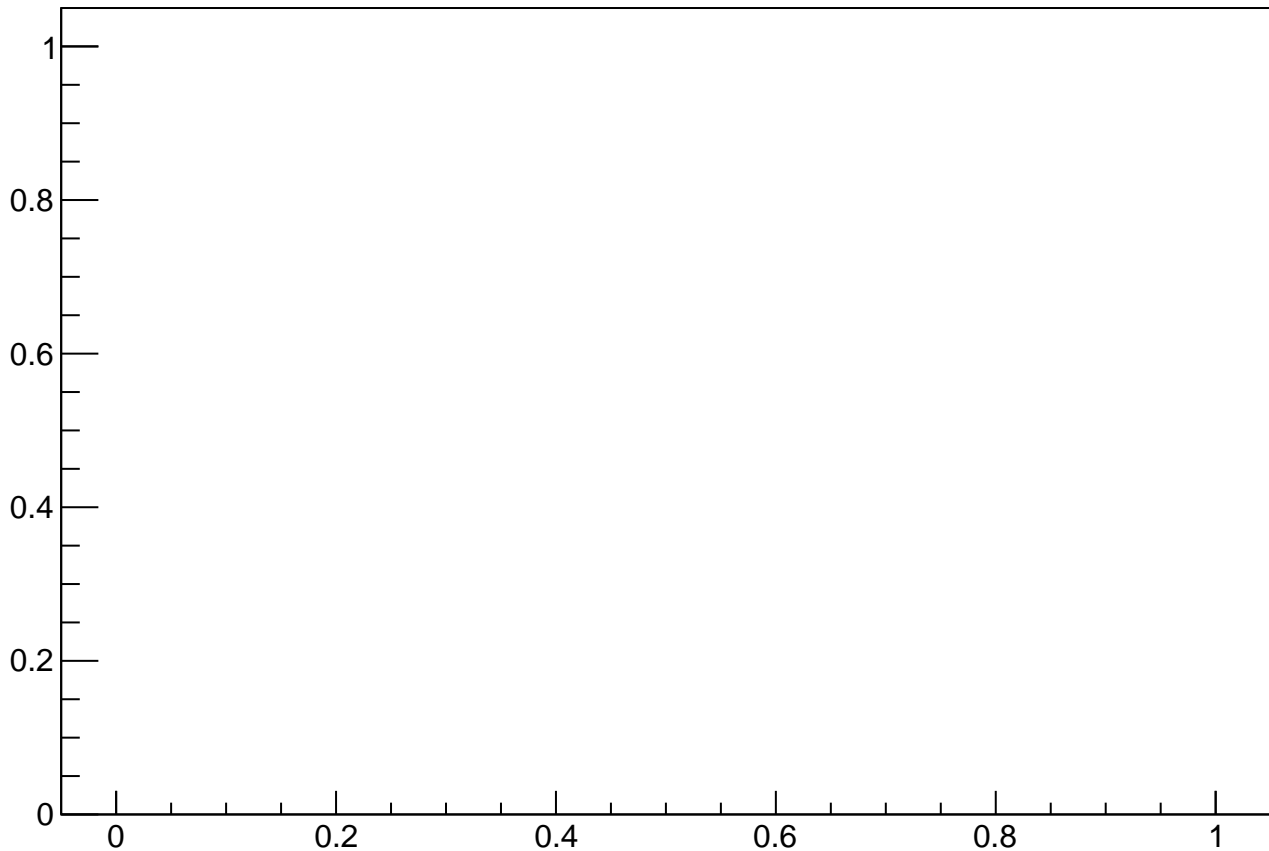
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_usl\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

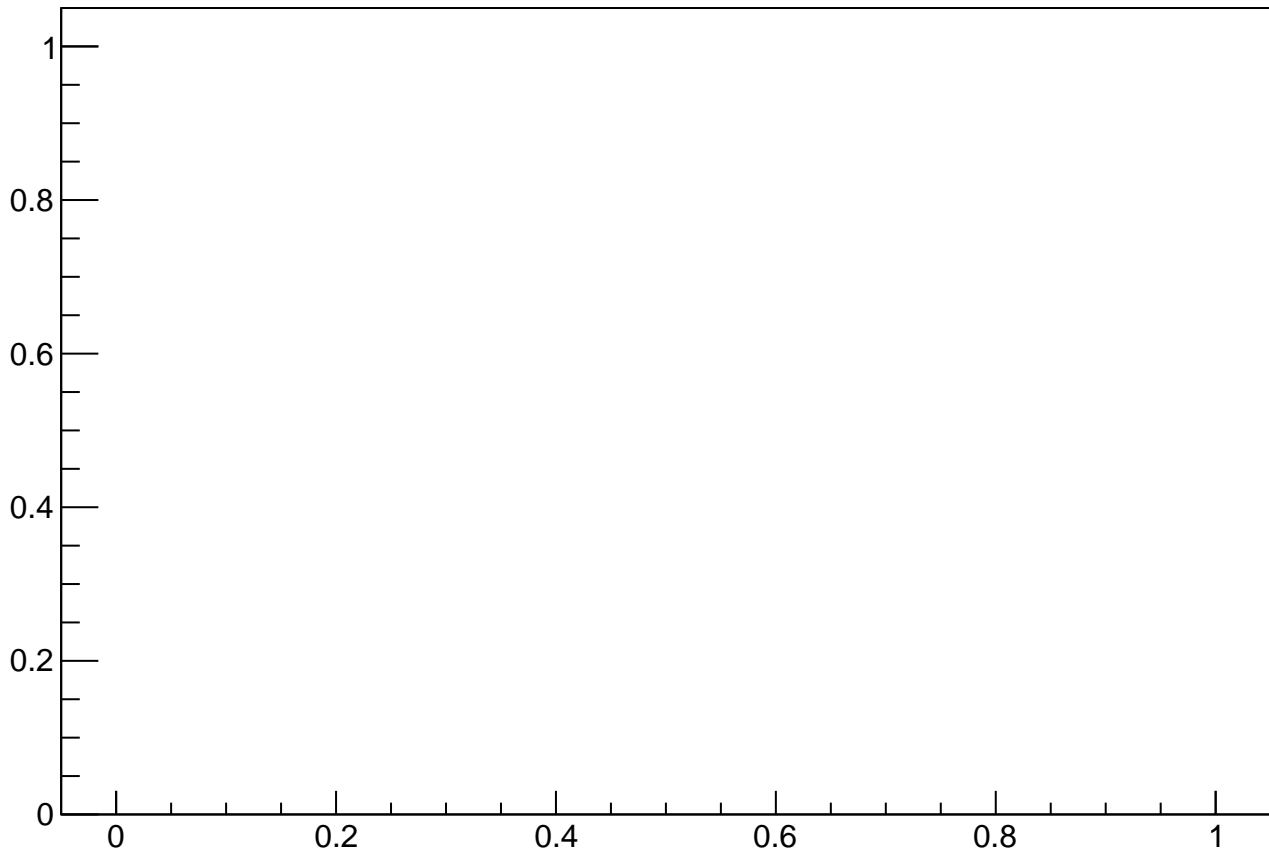
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

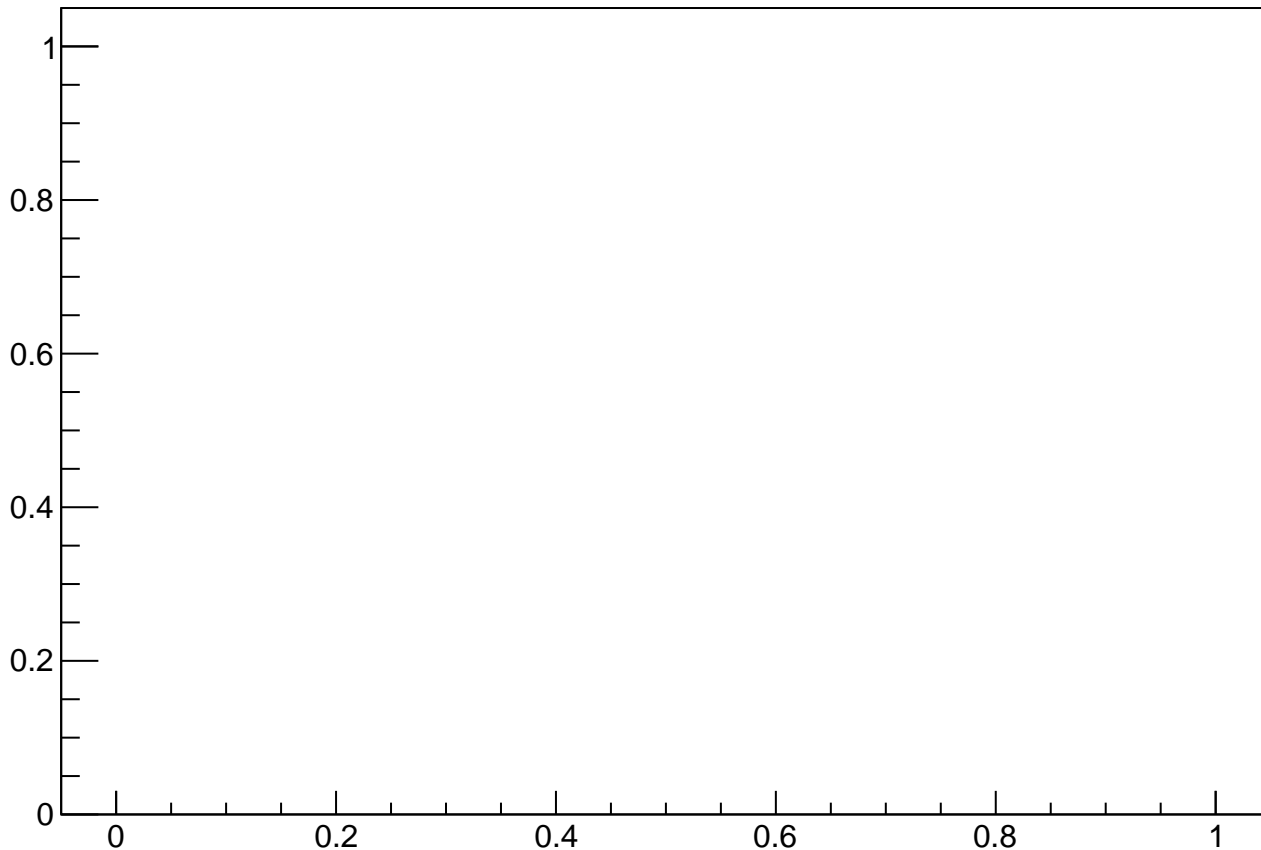
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

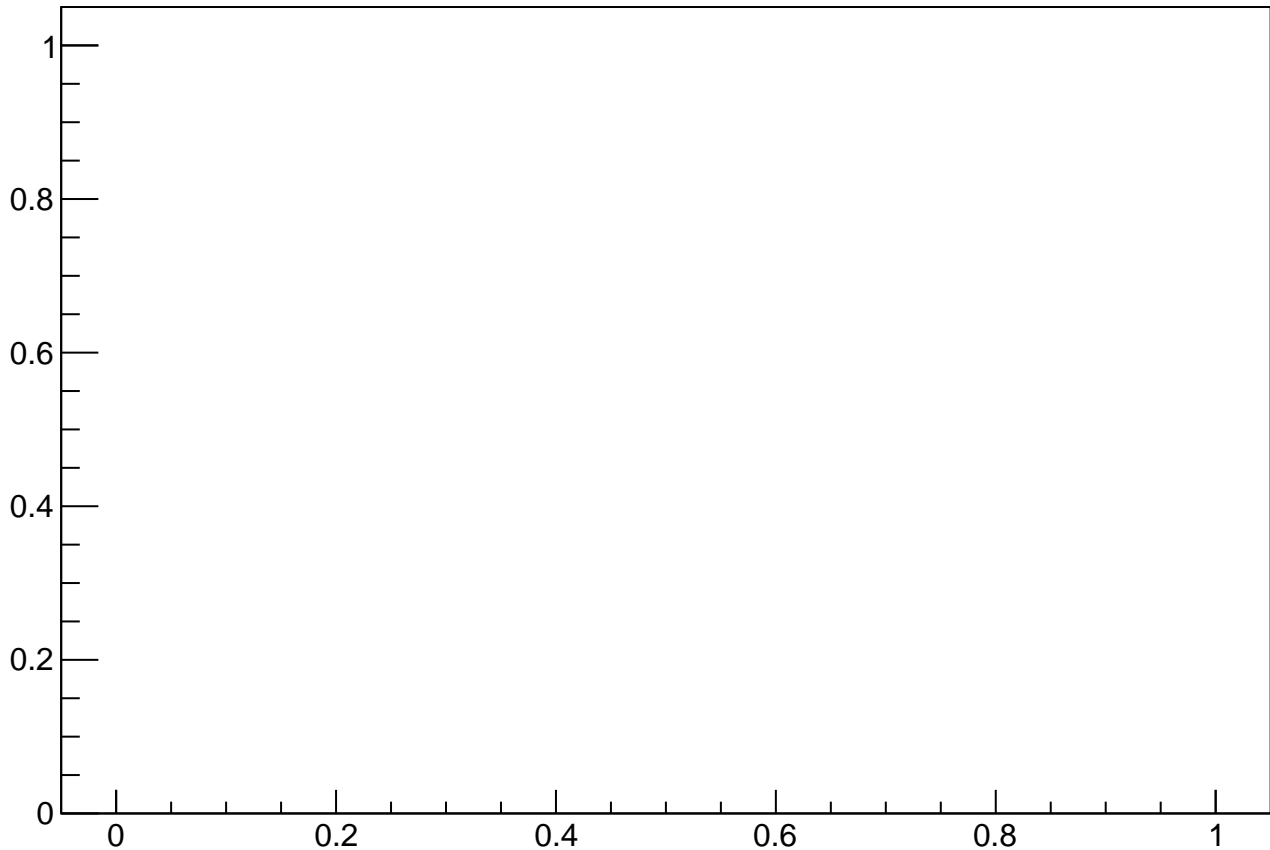
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl2\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

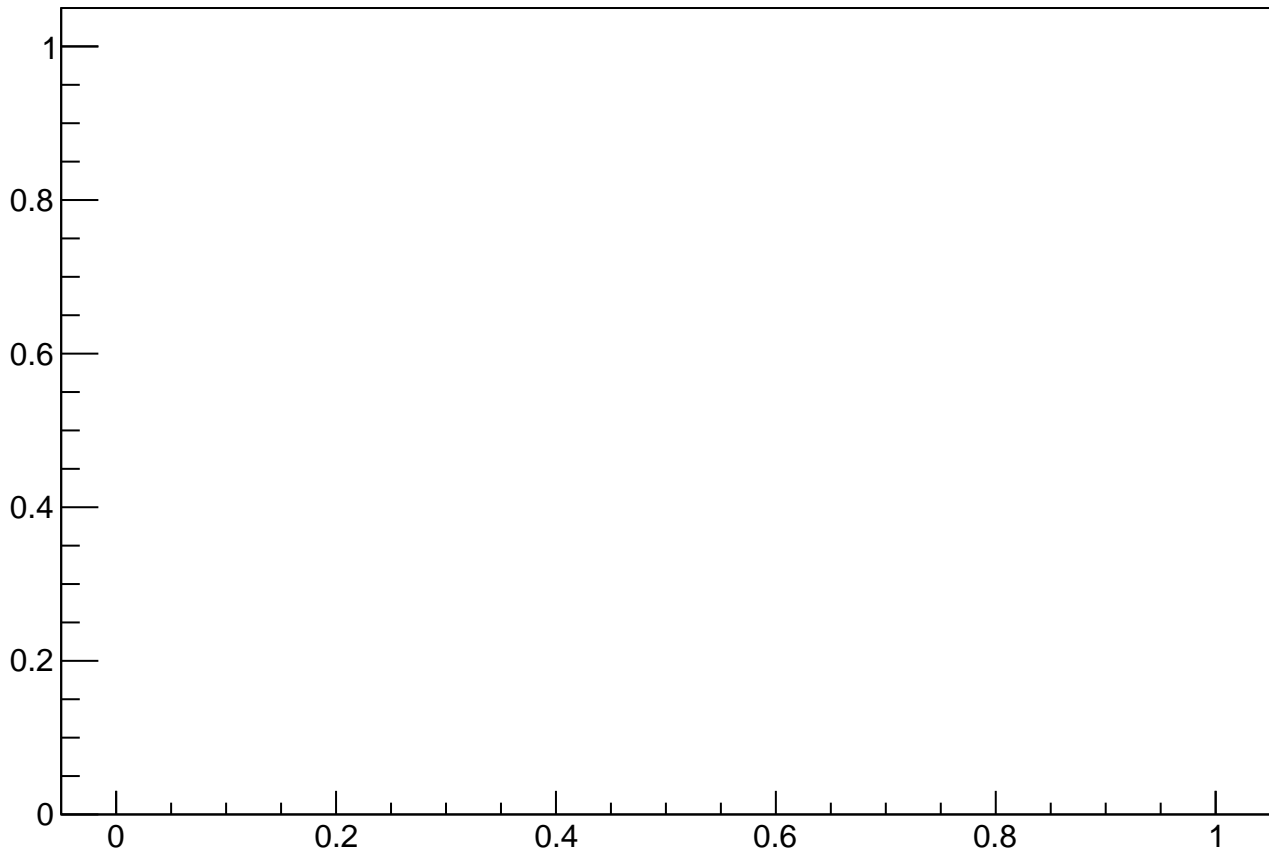
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

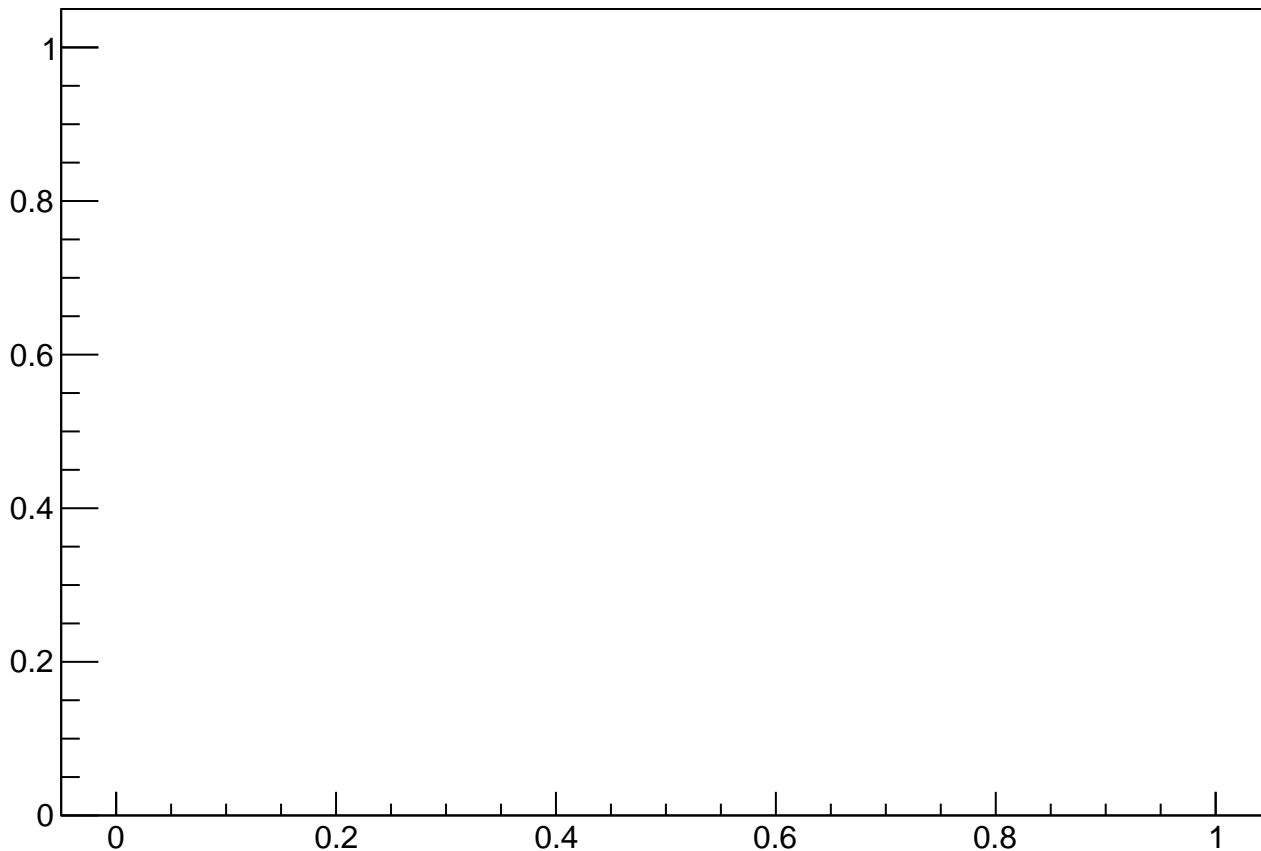
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

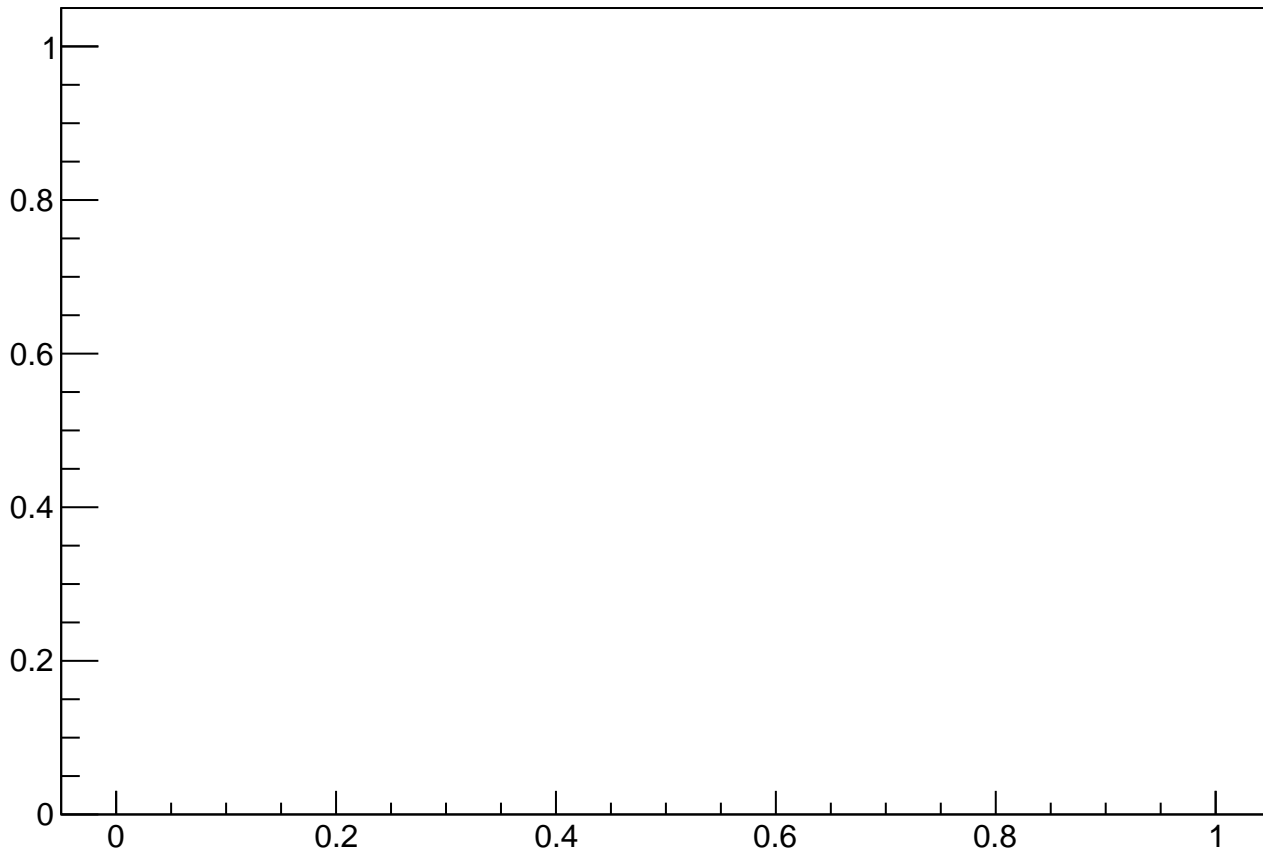
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam1\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

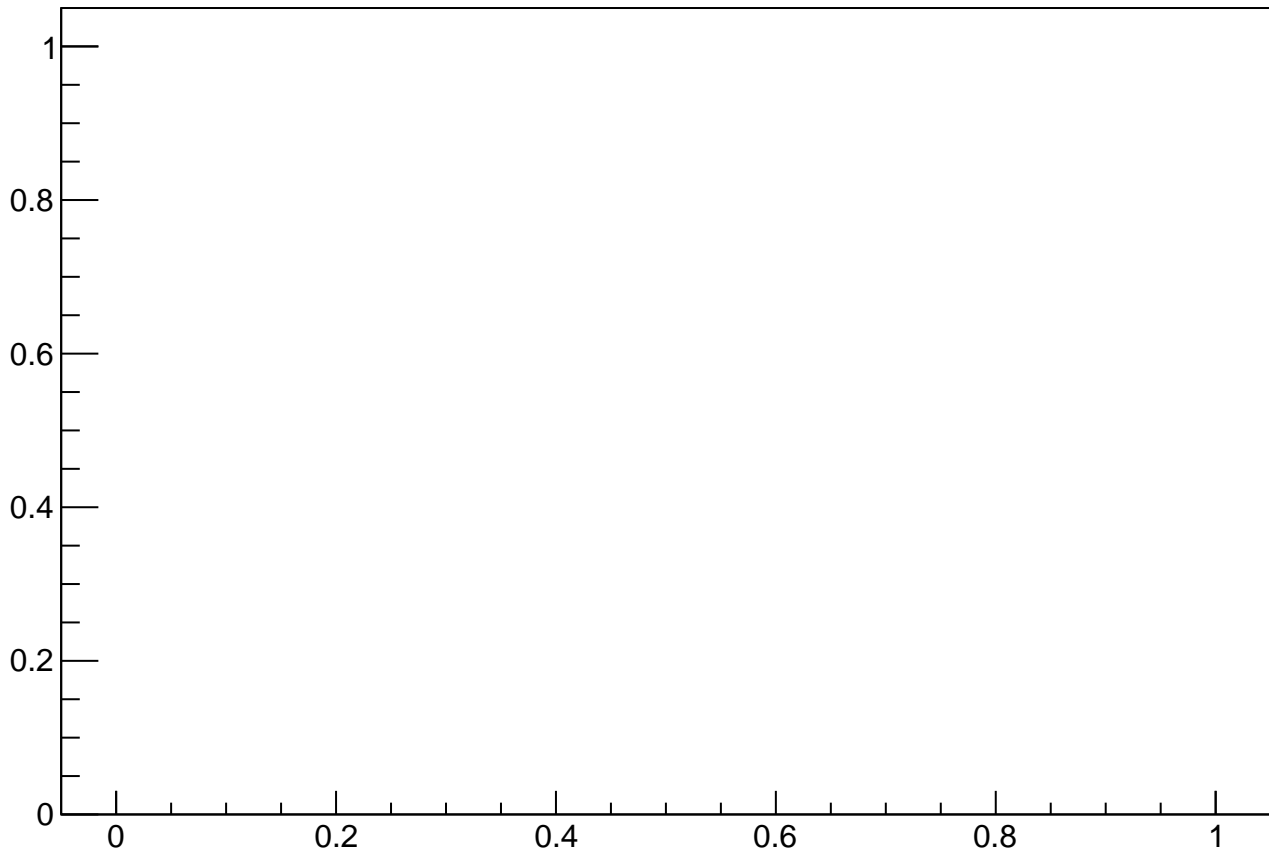
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

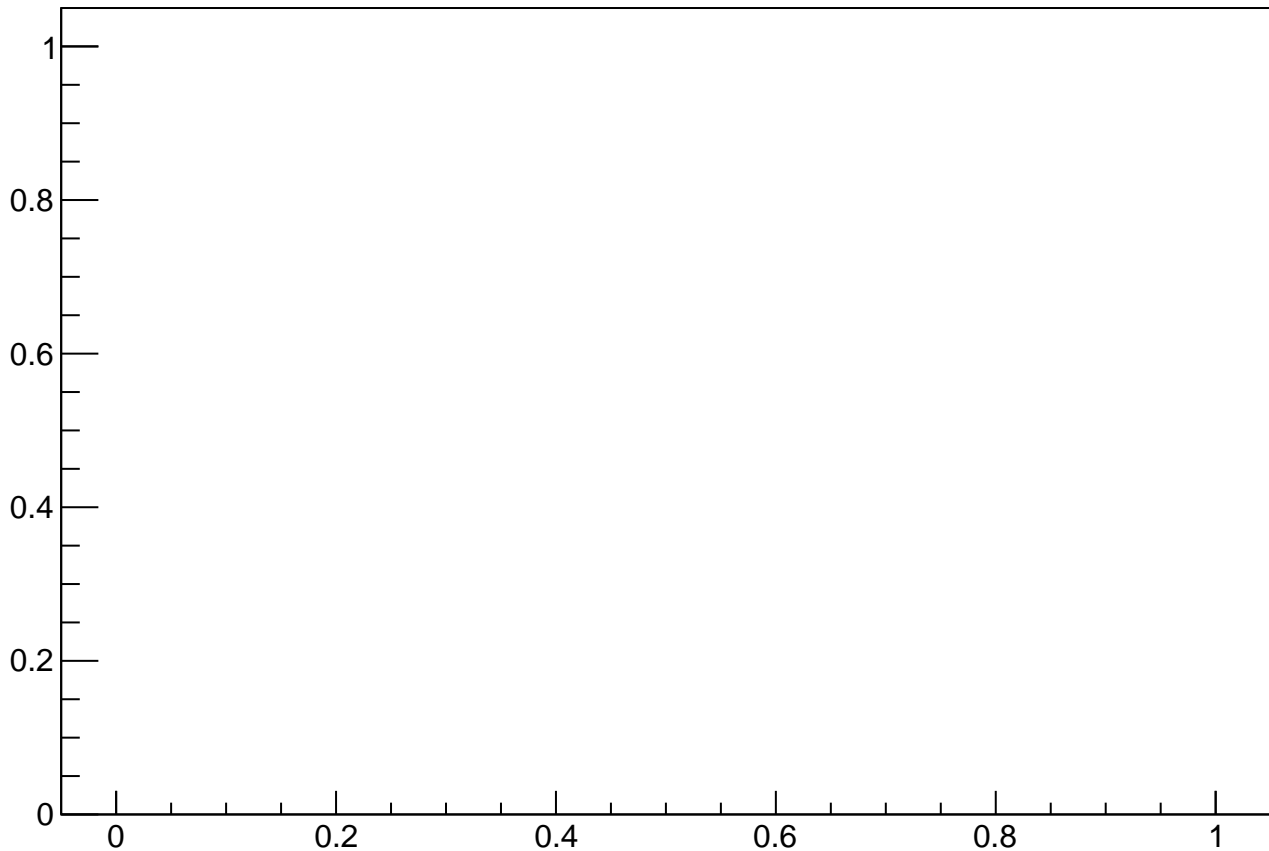
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

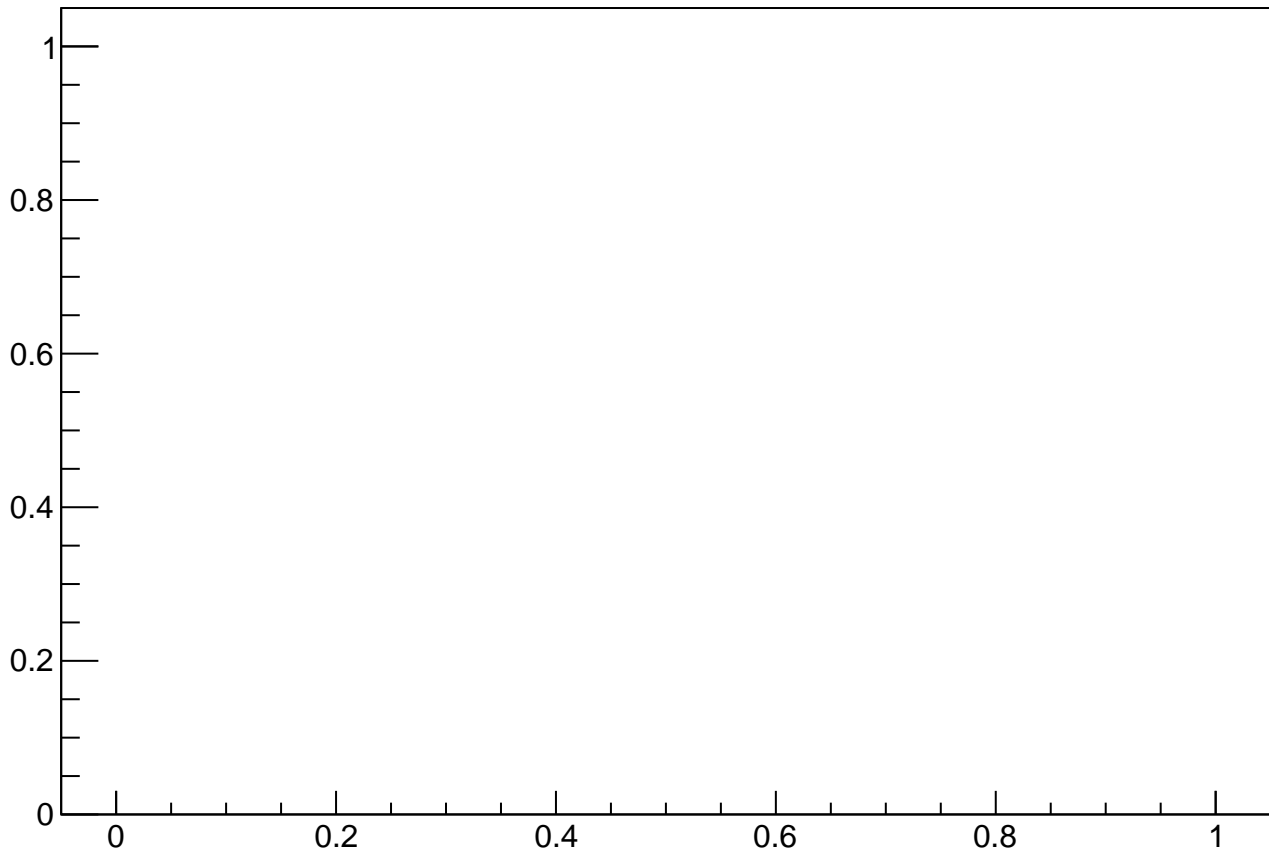
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam3\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

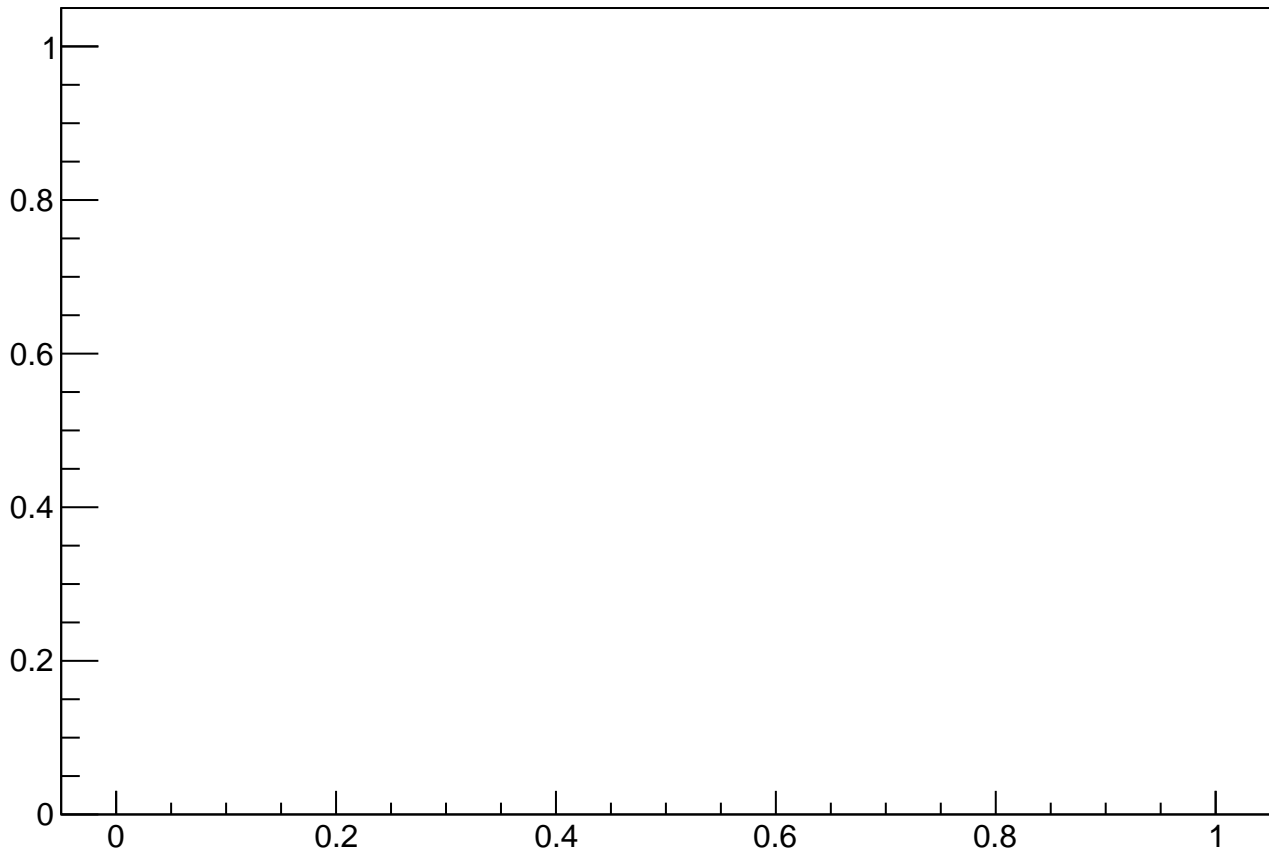
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

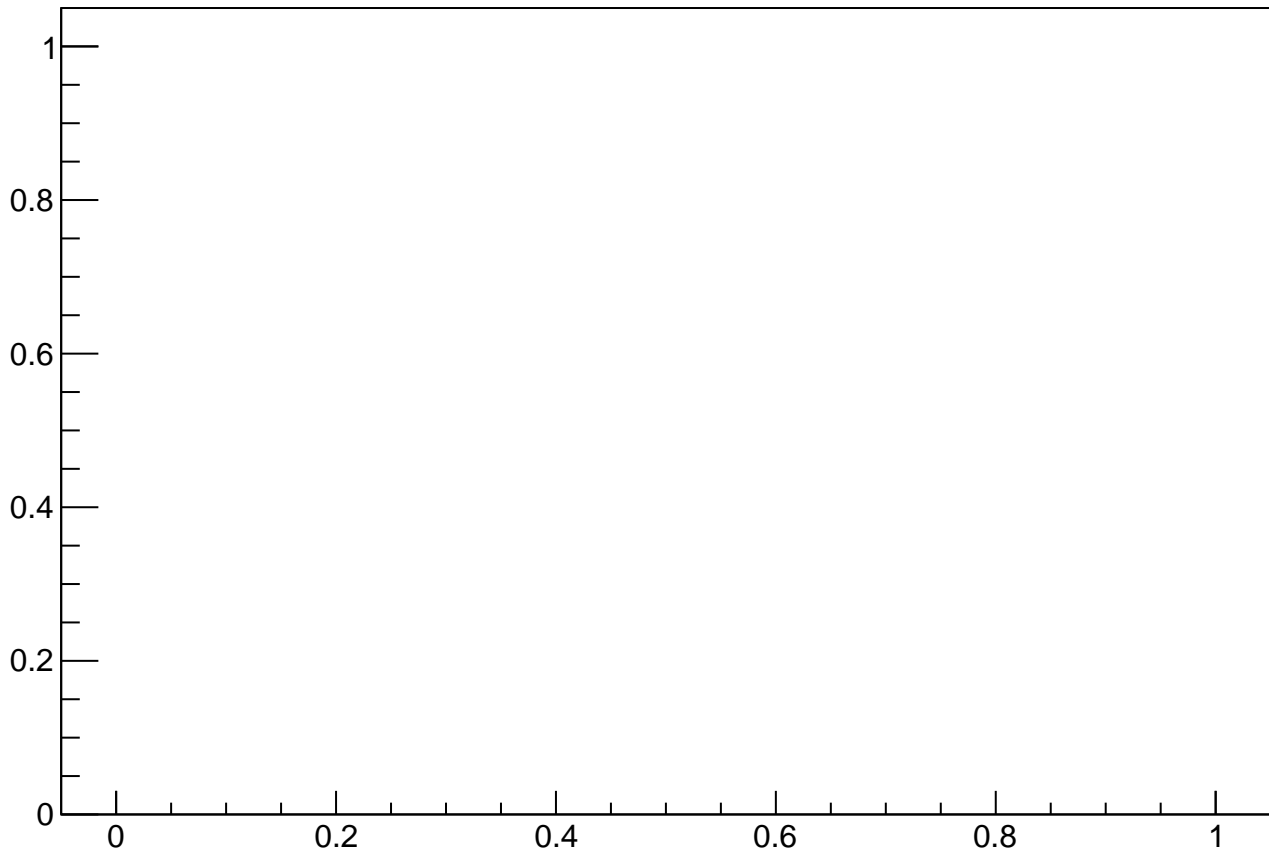
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

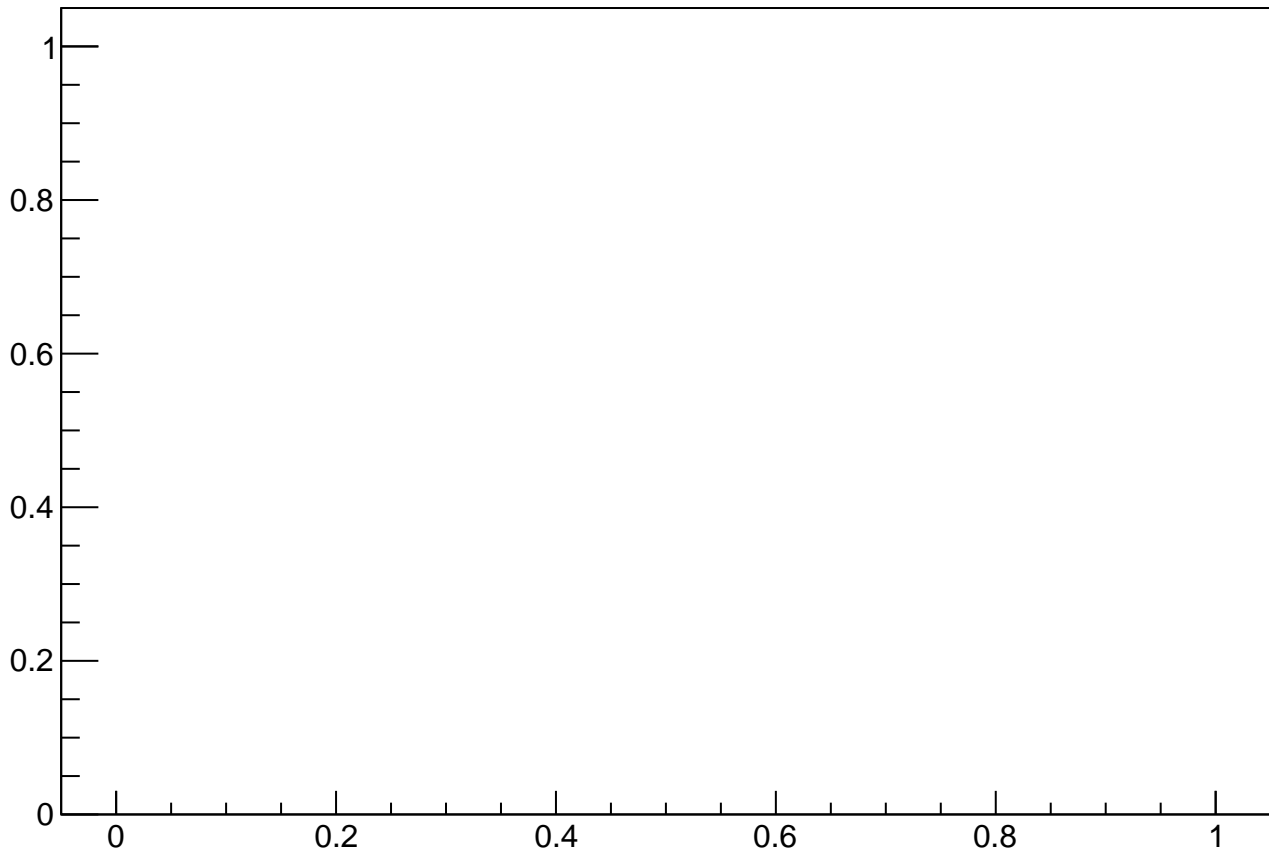
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

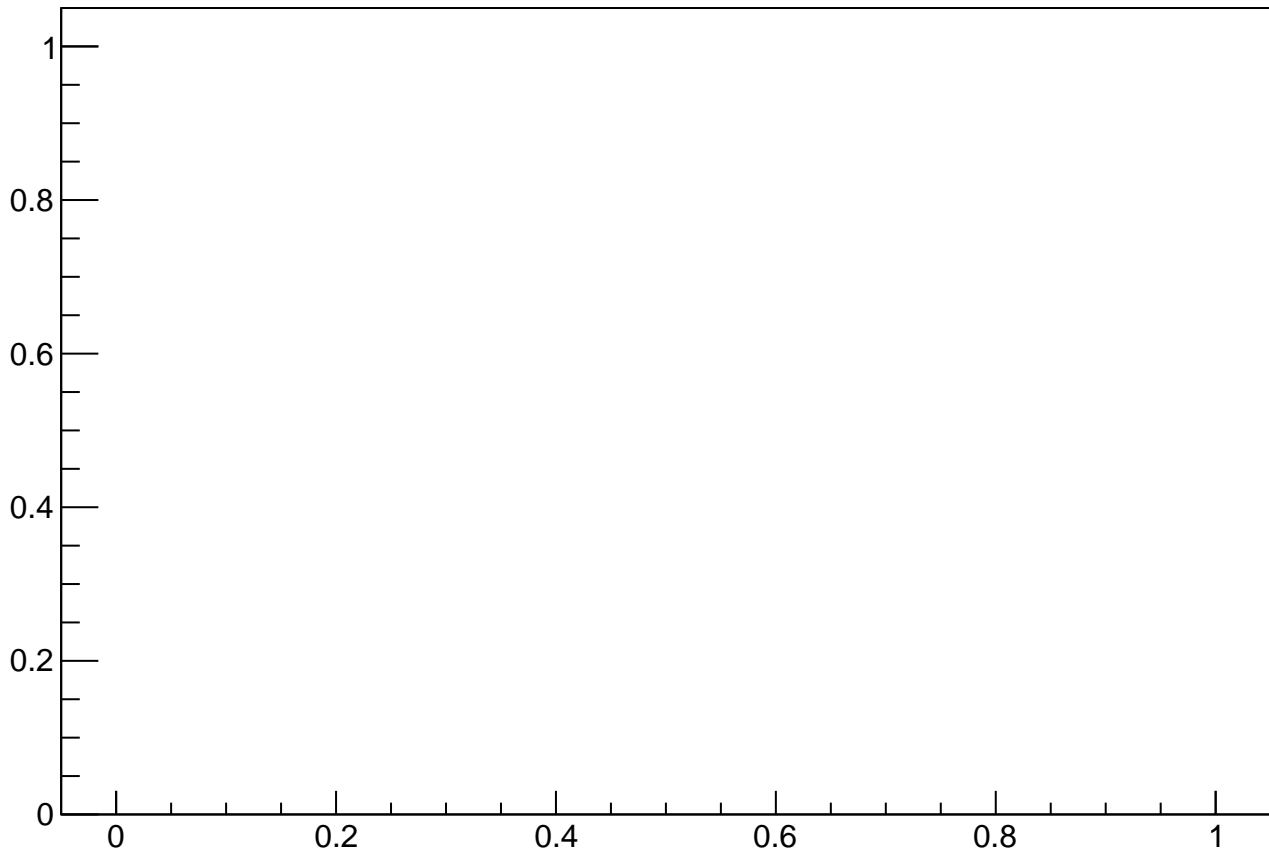
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

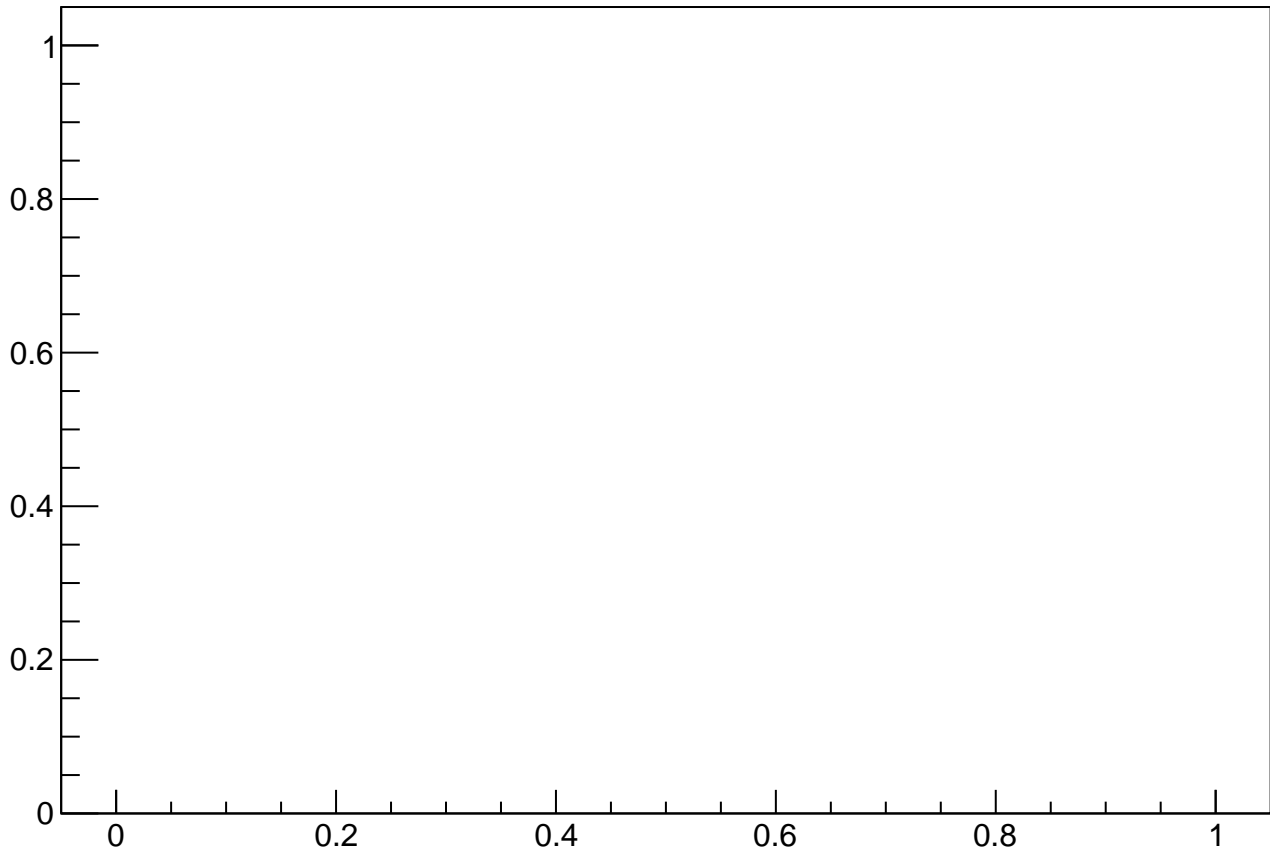
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

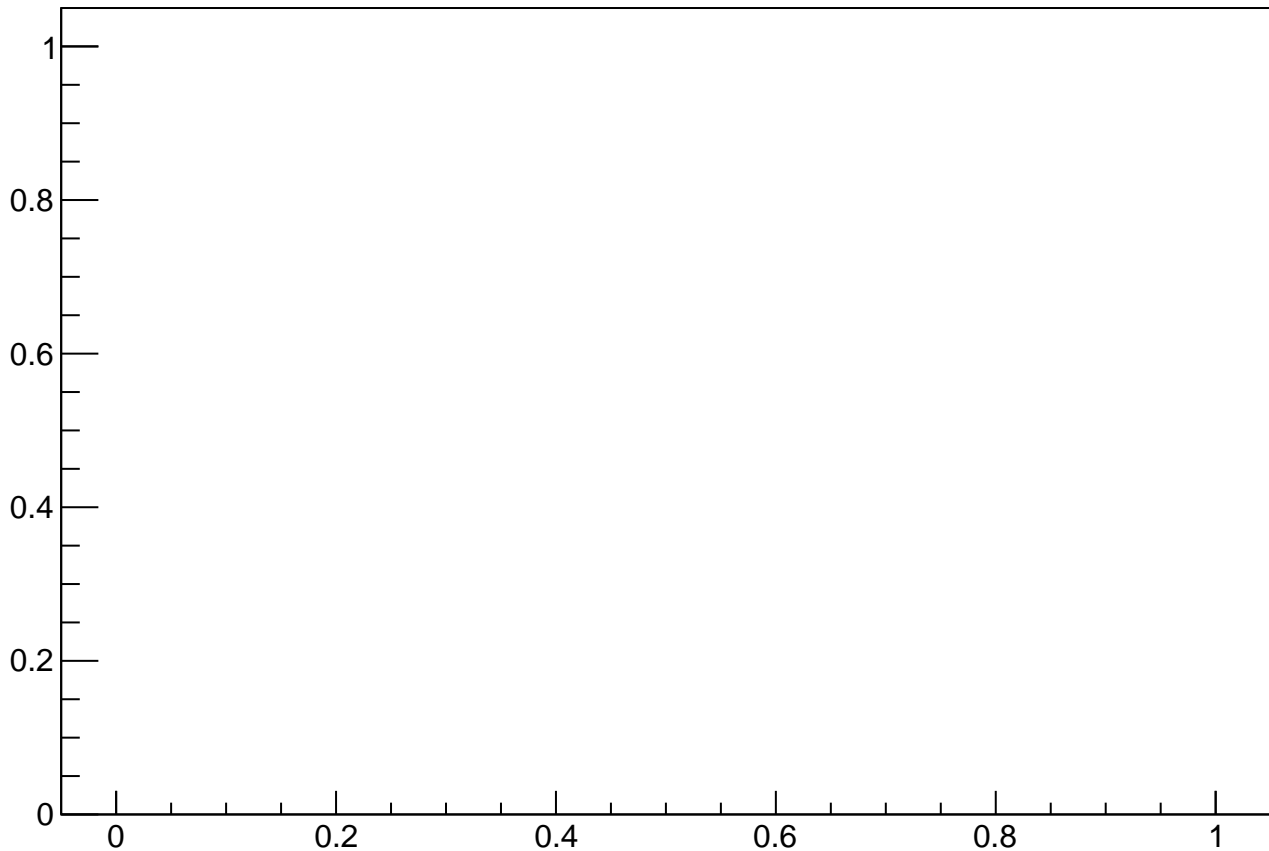
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil5\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil5\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

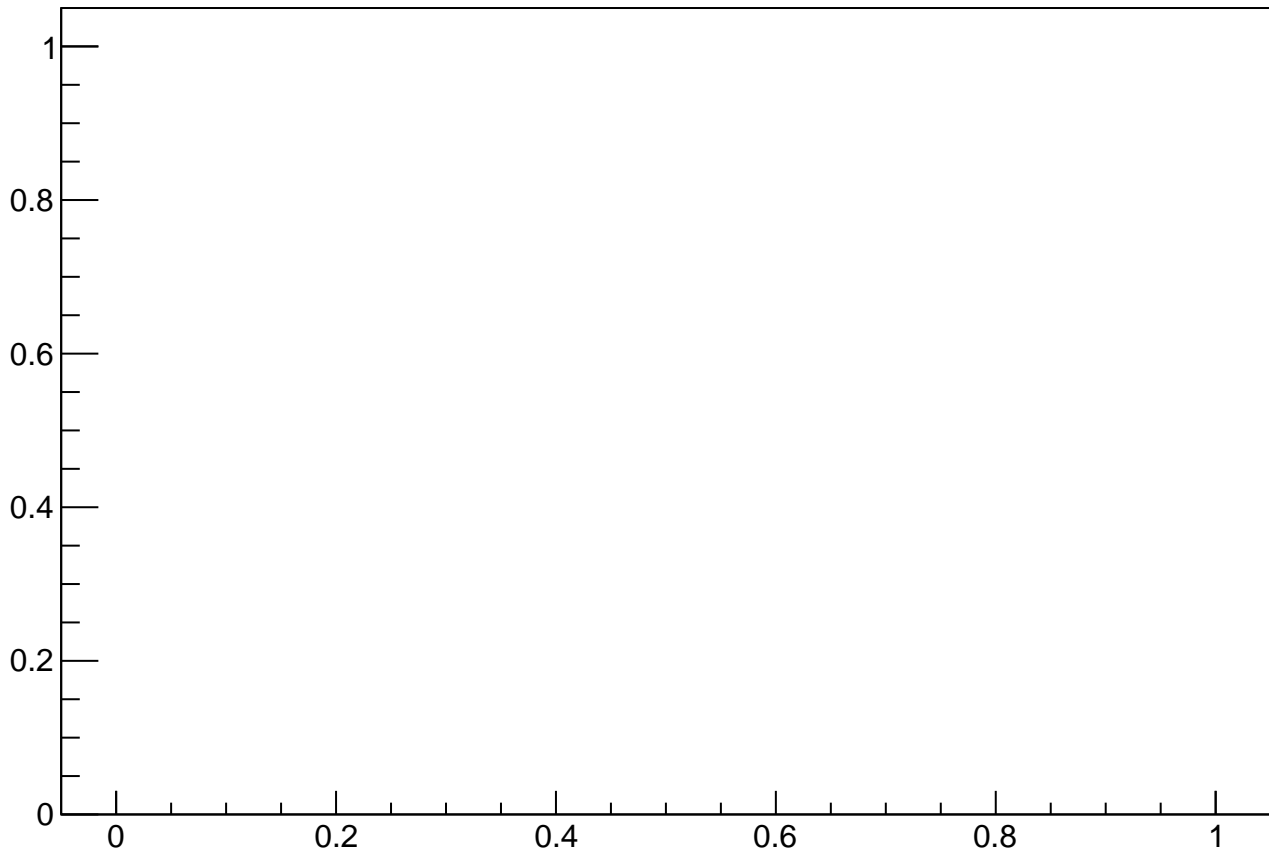
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil5\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_4aX\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

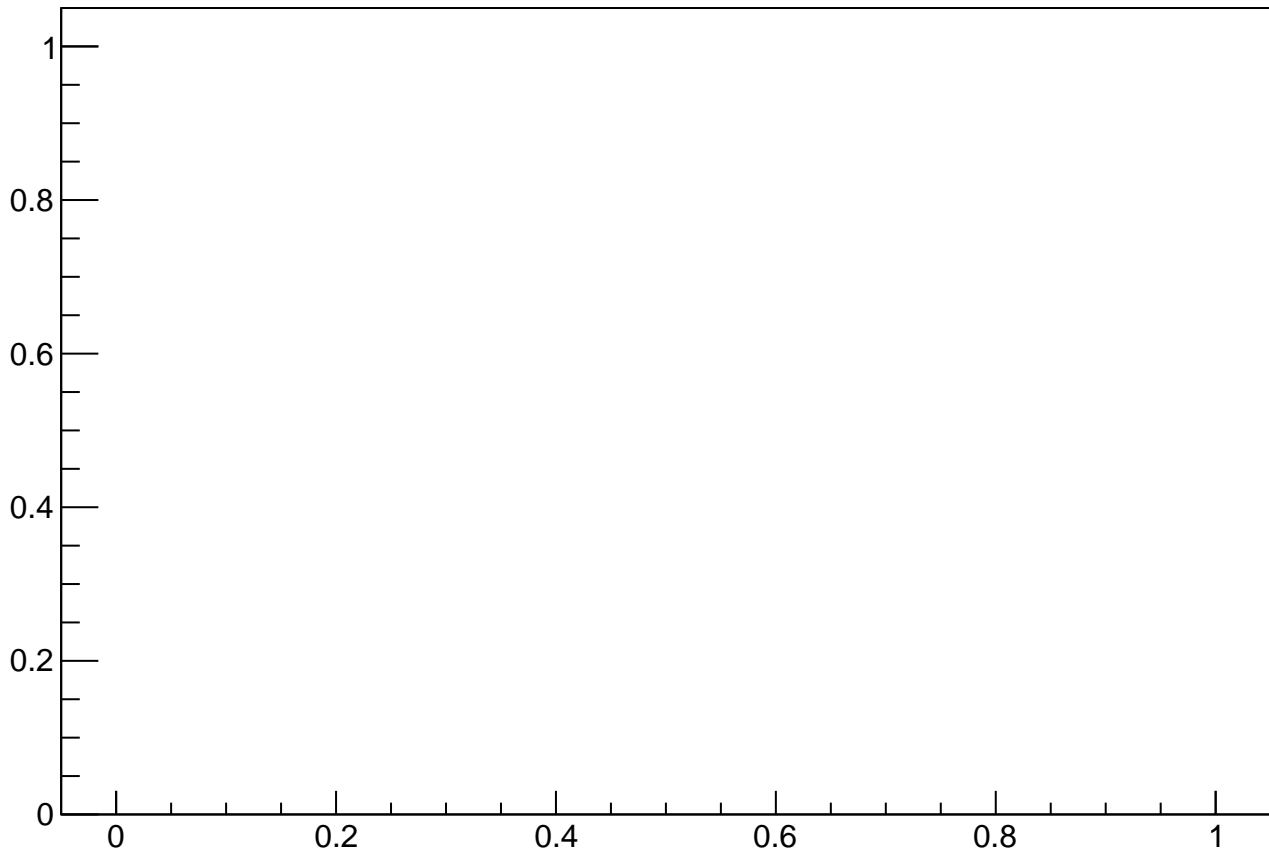
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

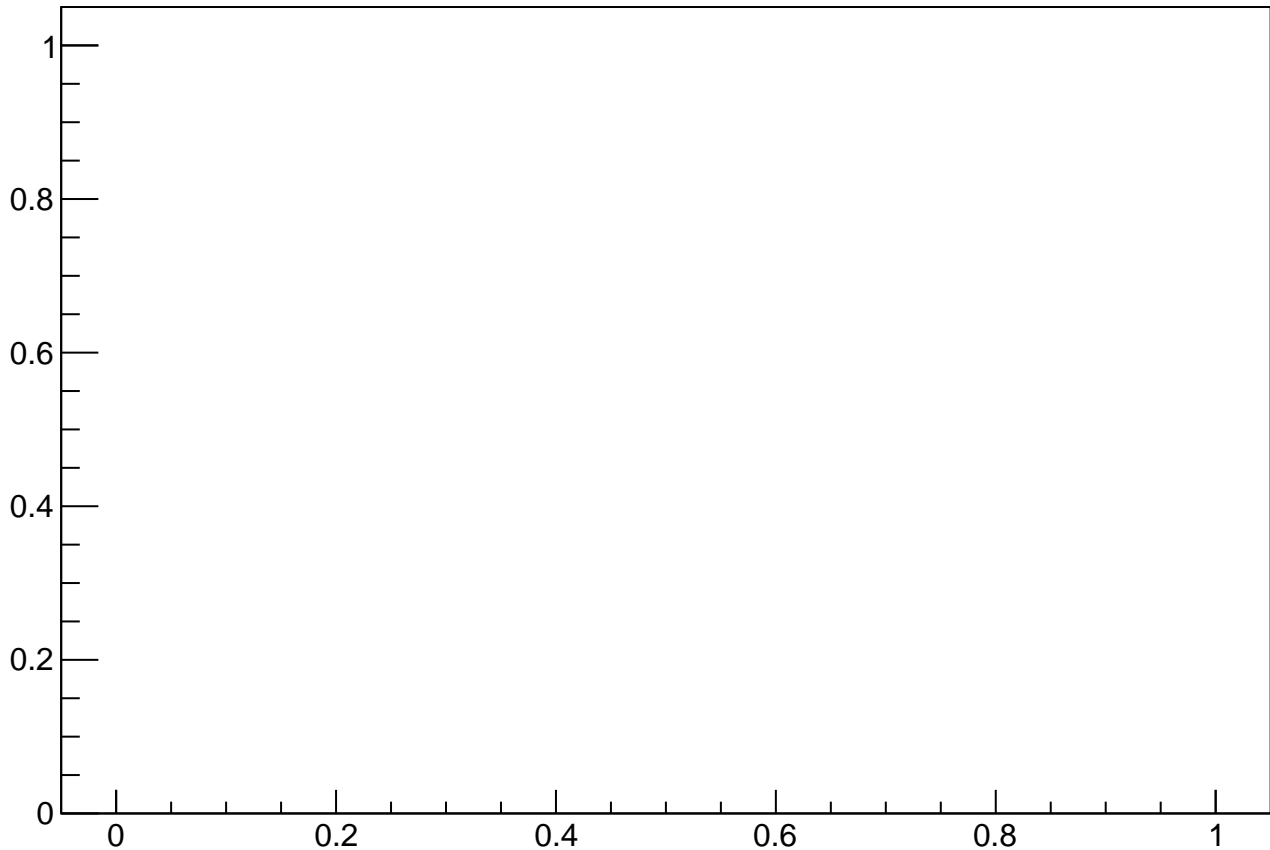
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_11X12X\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

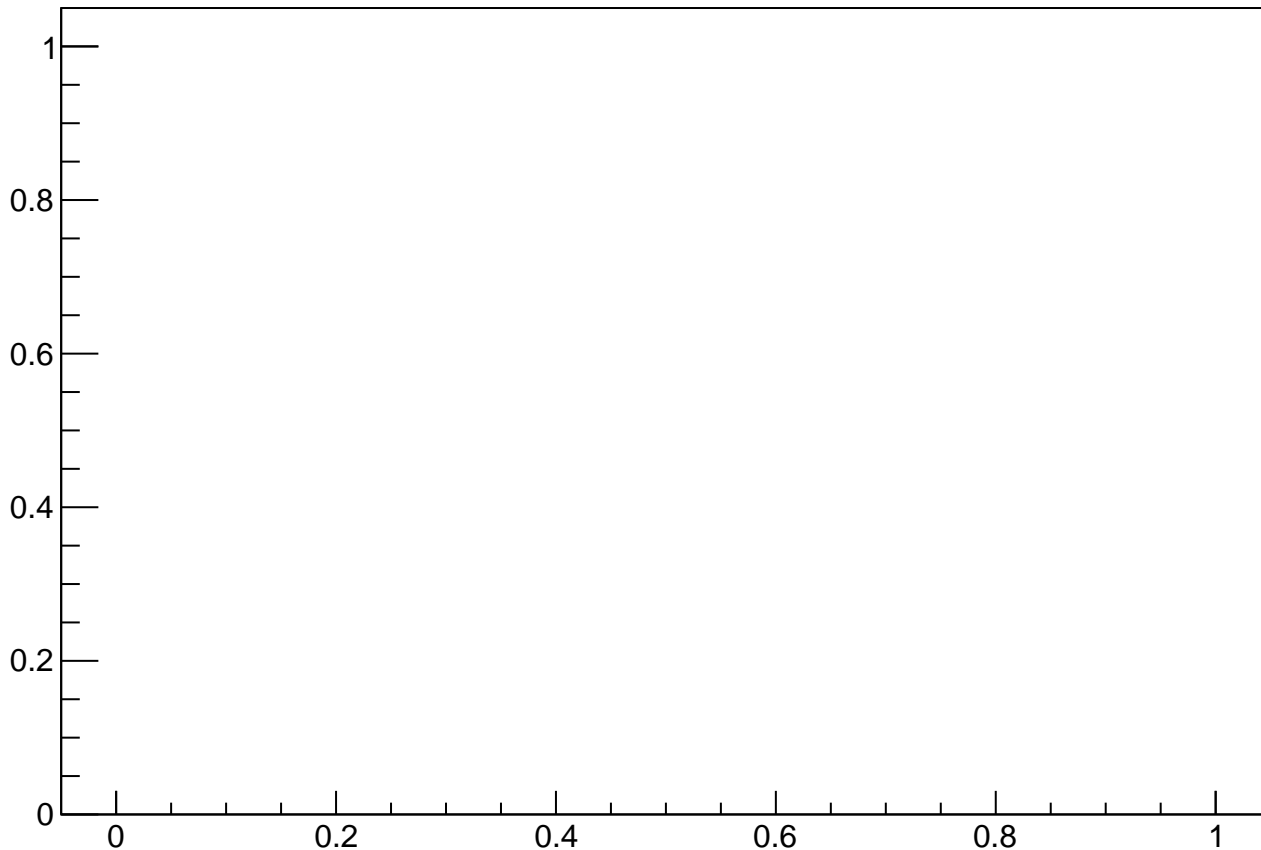
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usl\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

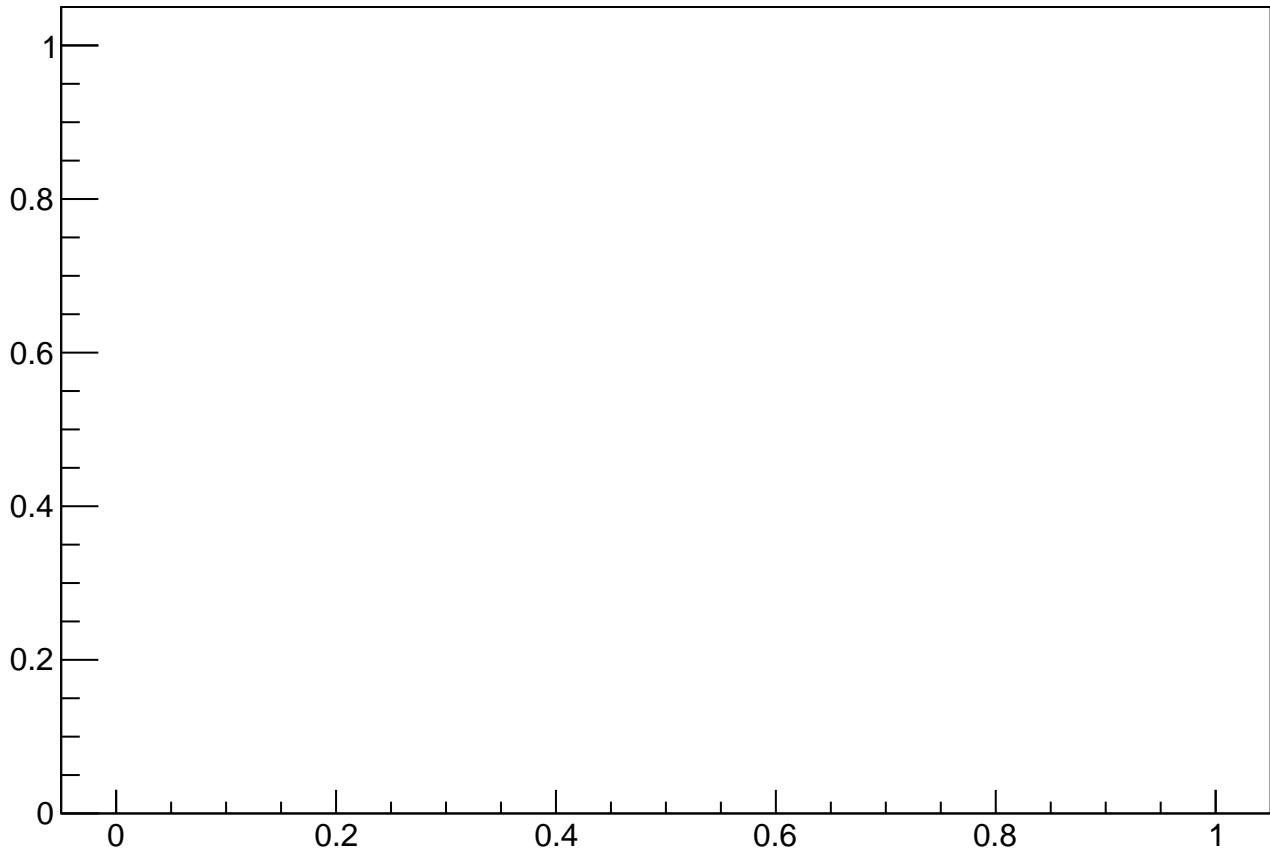
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

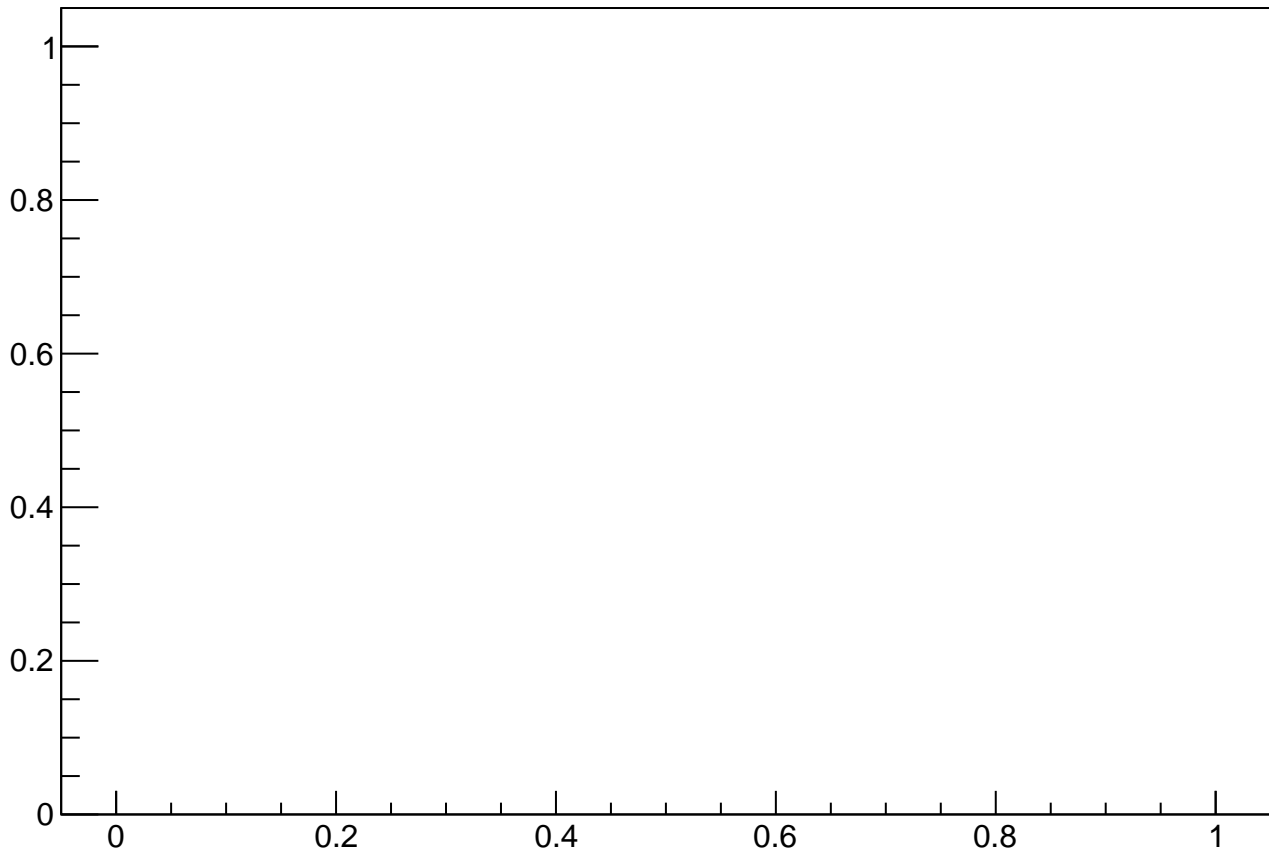
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

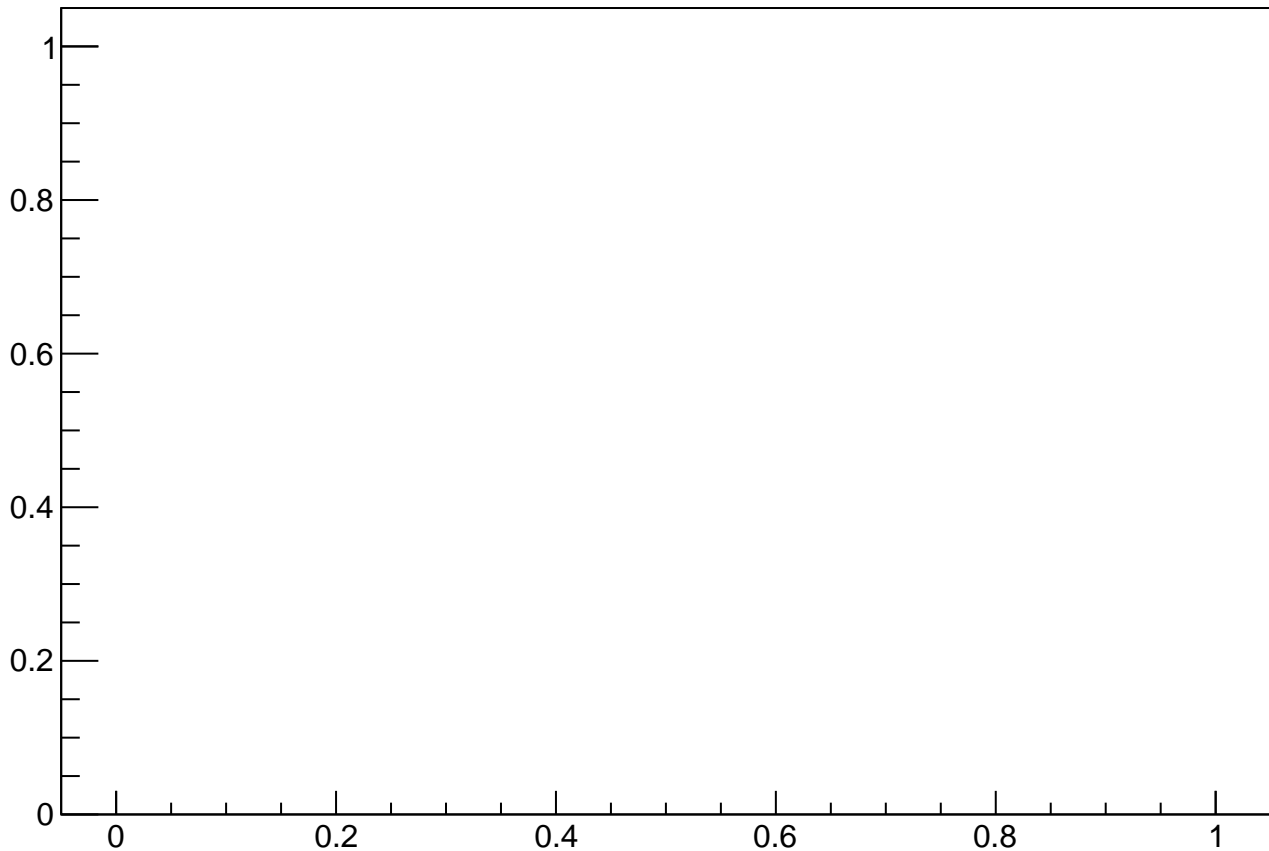
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

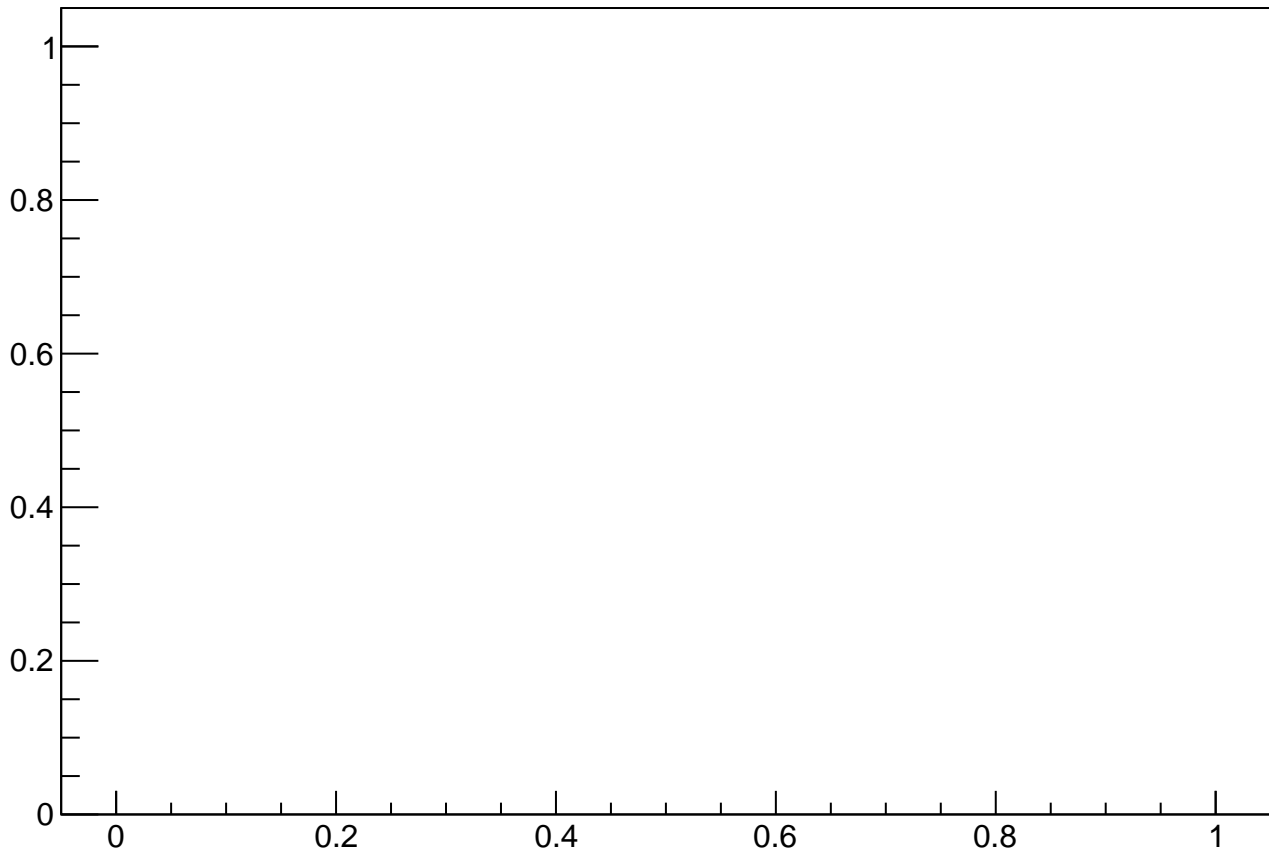
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_atl2\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

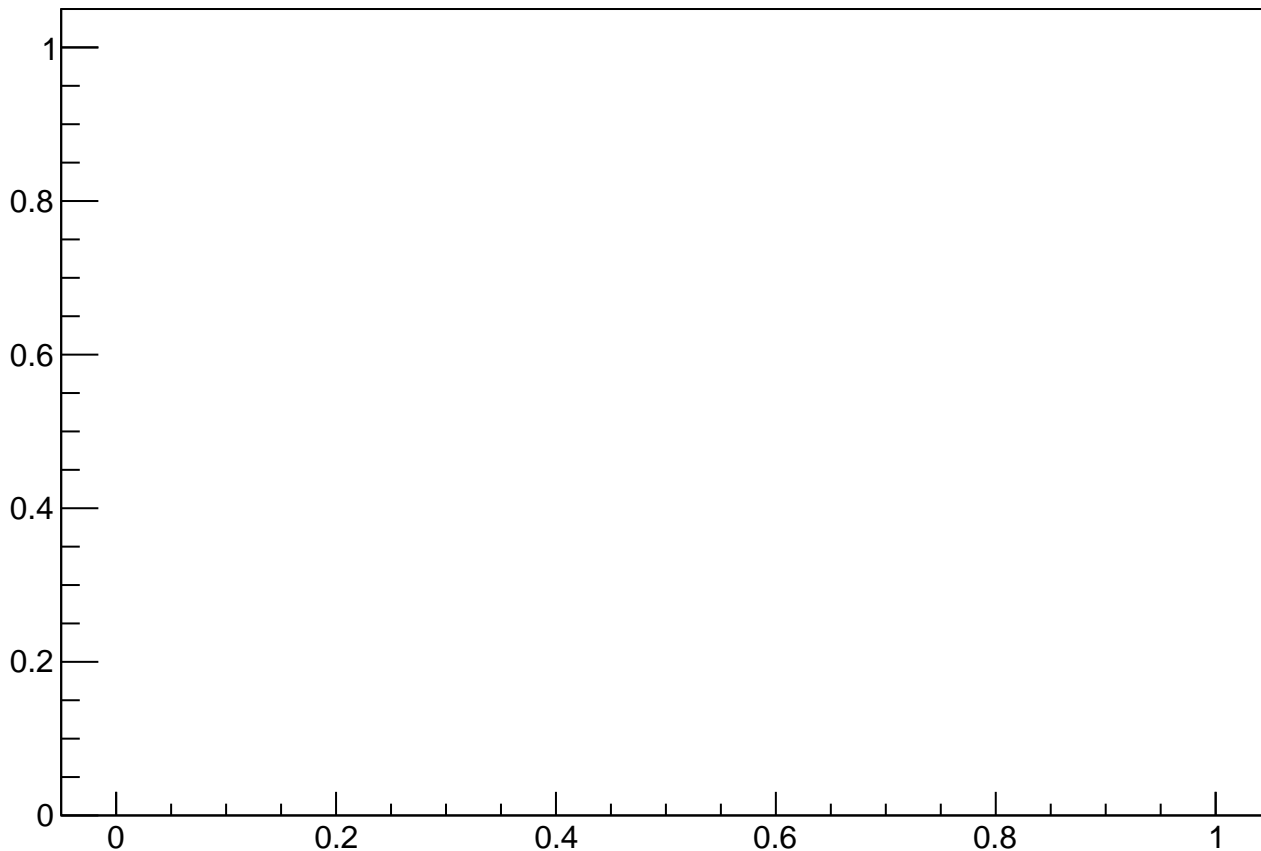
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

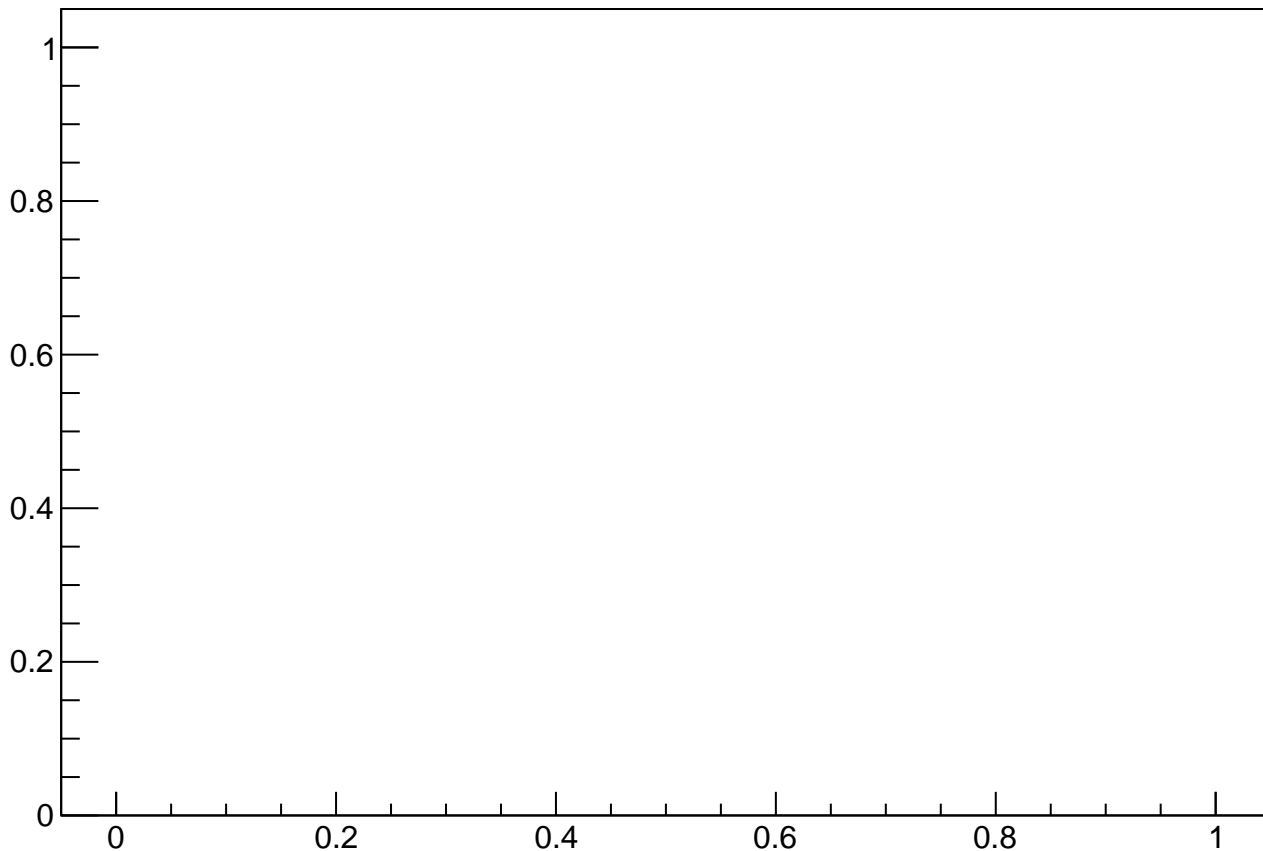
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

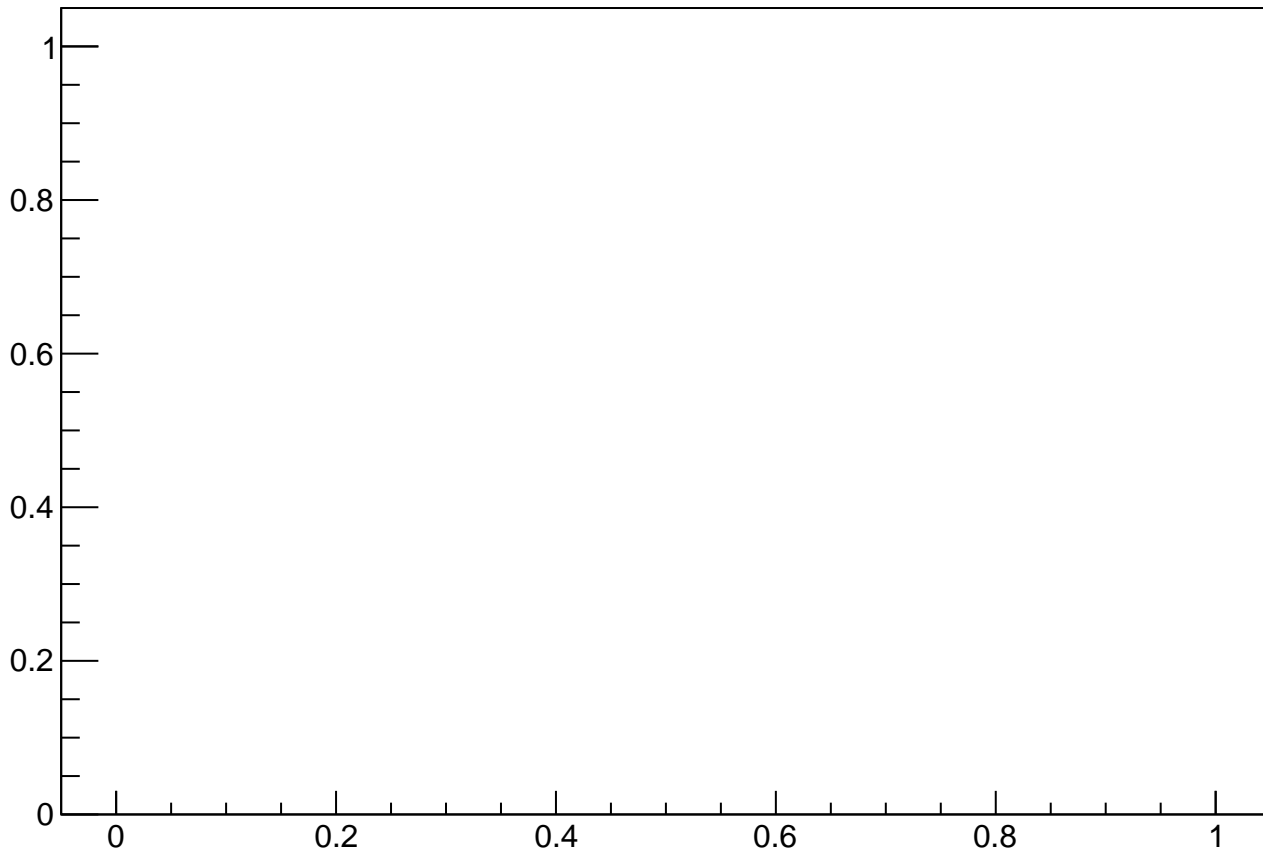
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

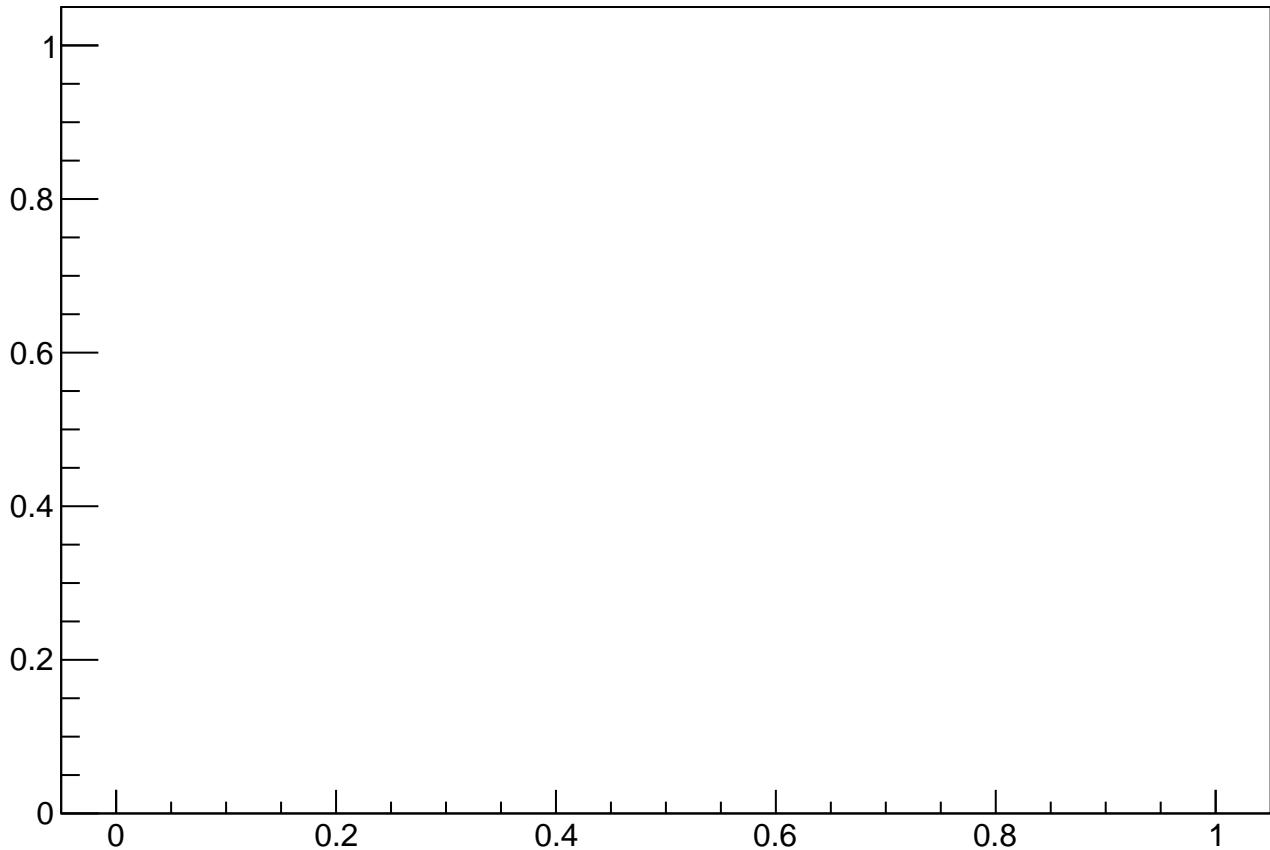
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atr2\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

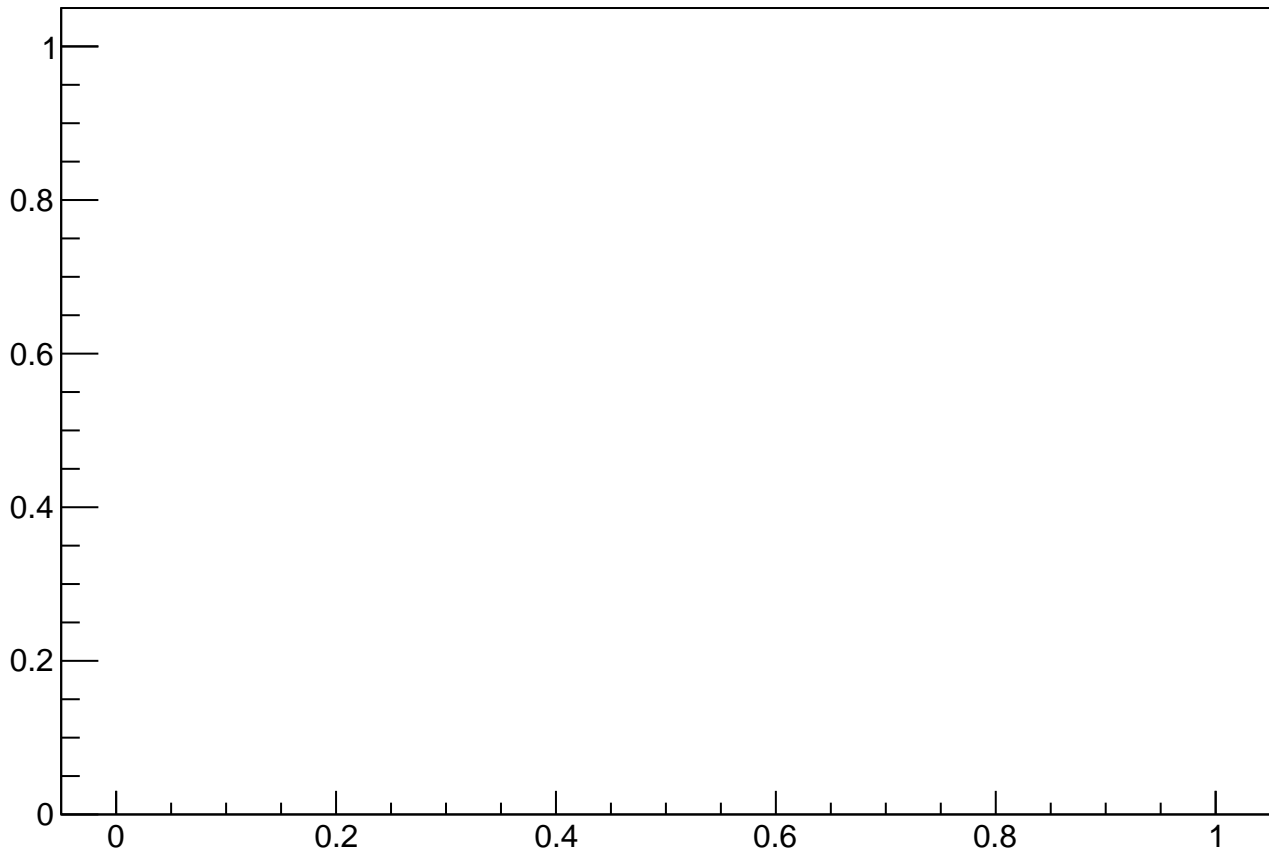
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

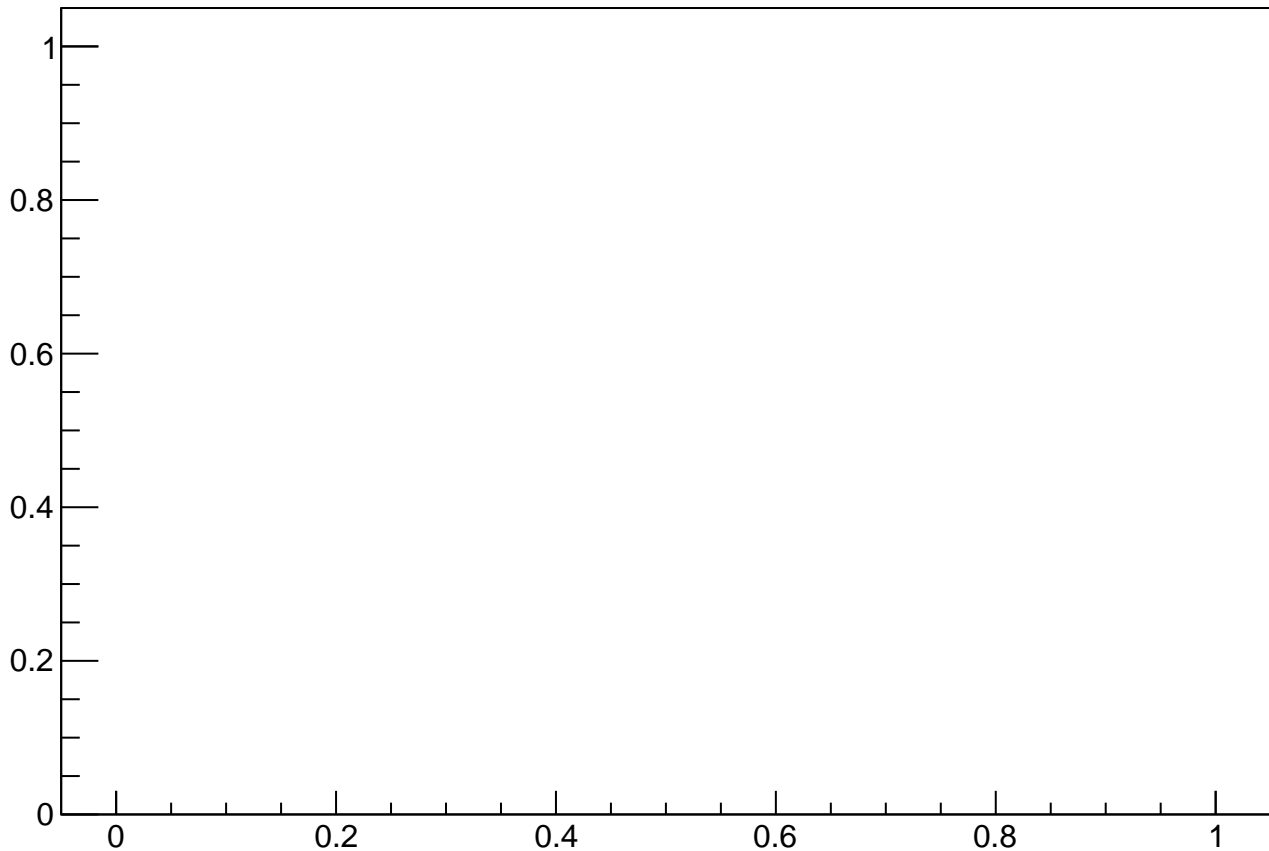
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

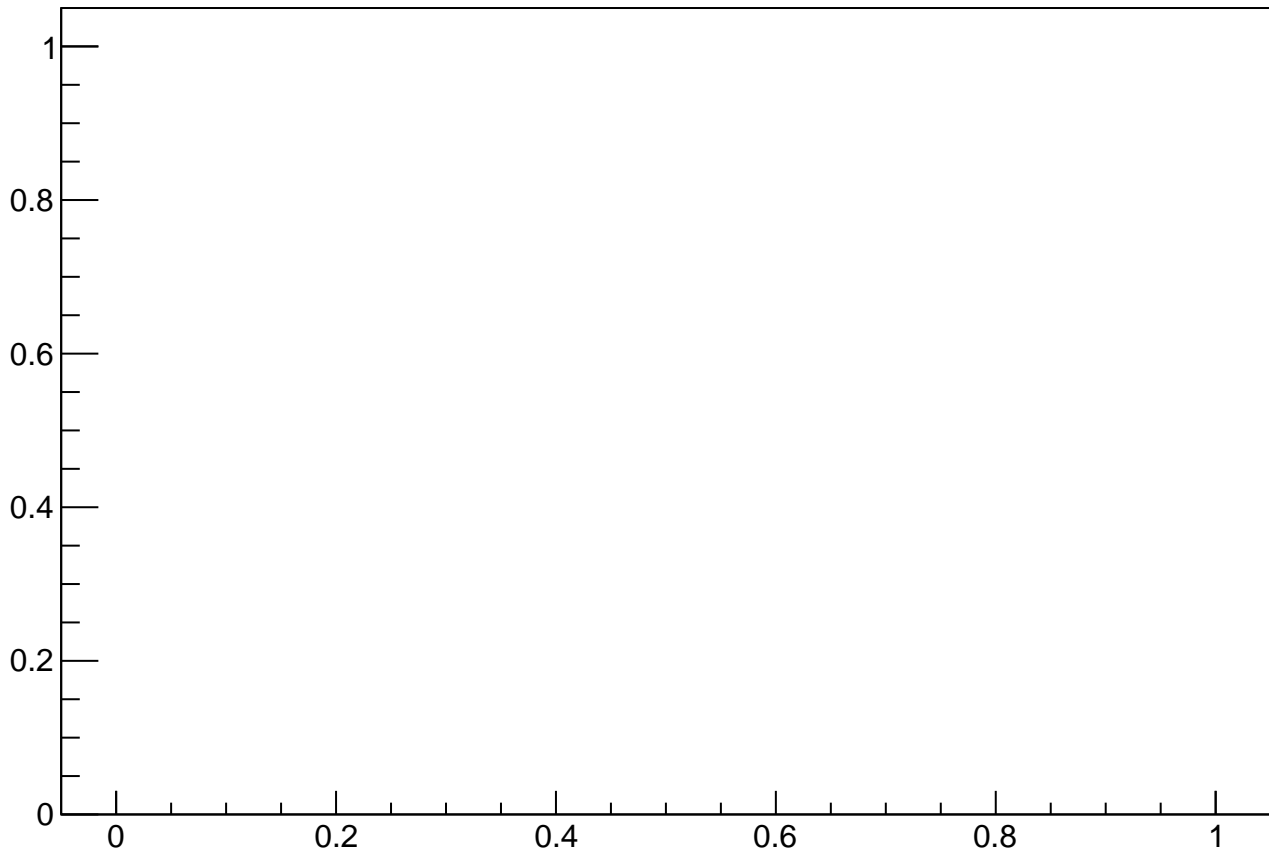
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

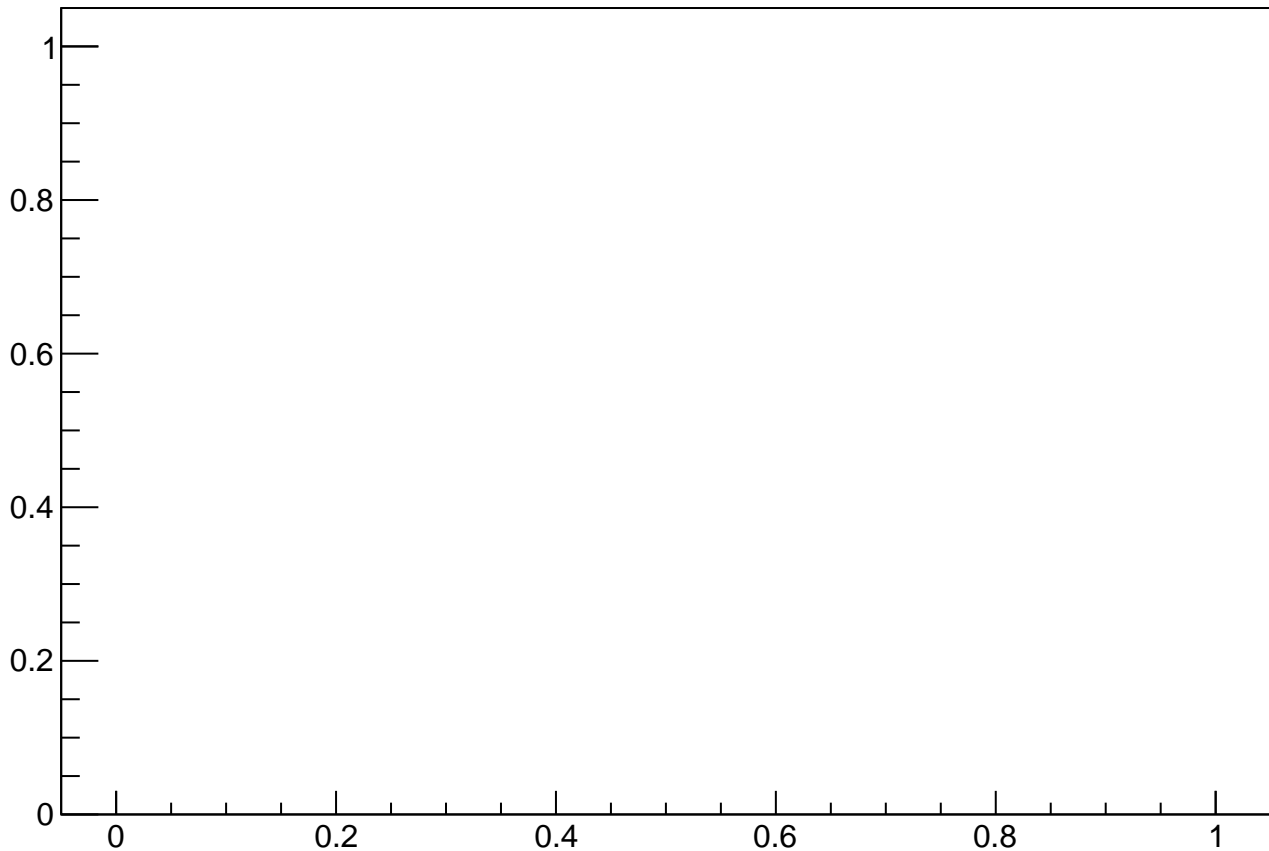
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam3\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

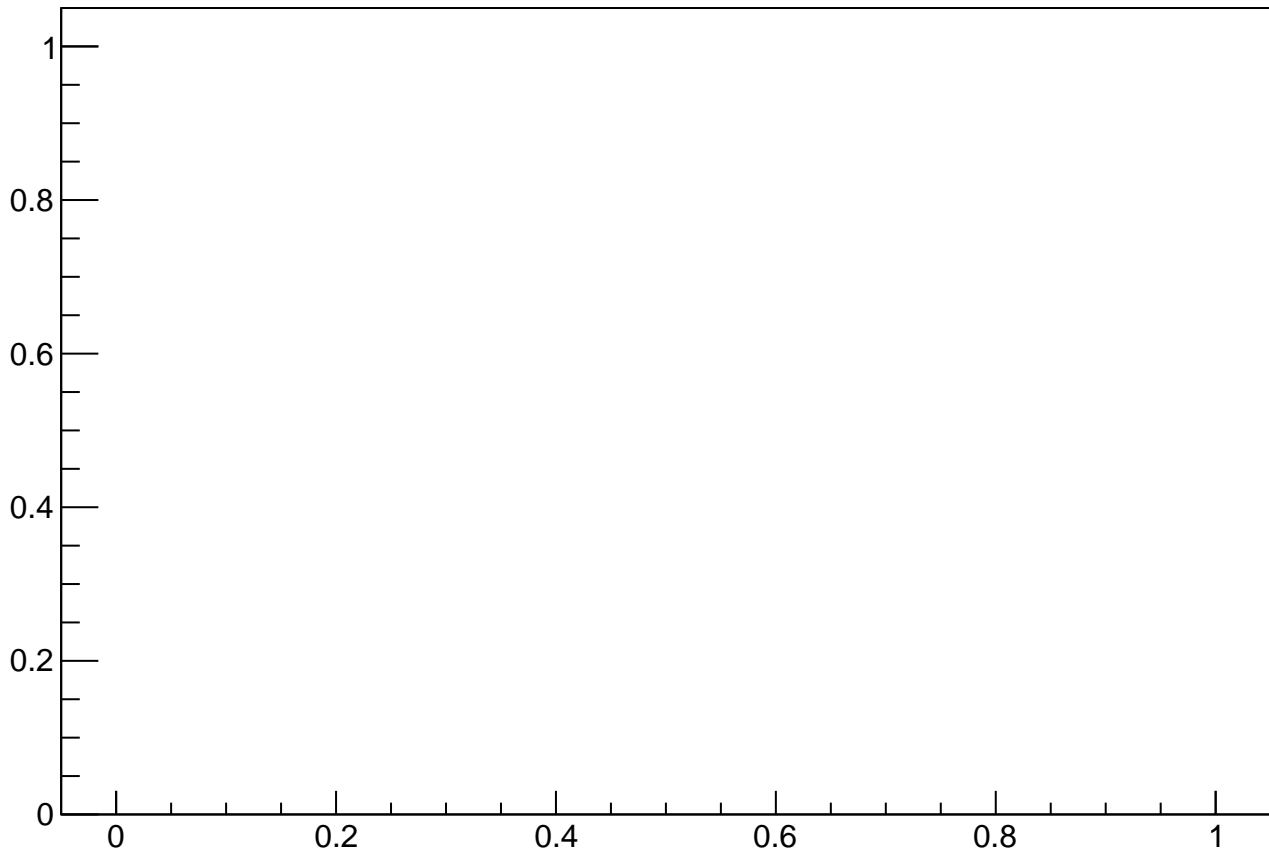
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

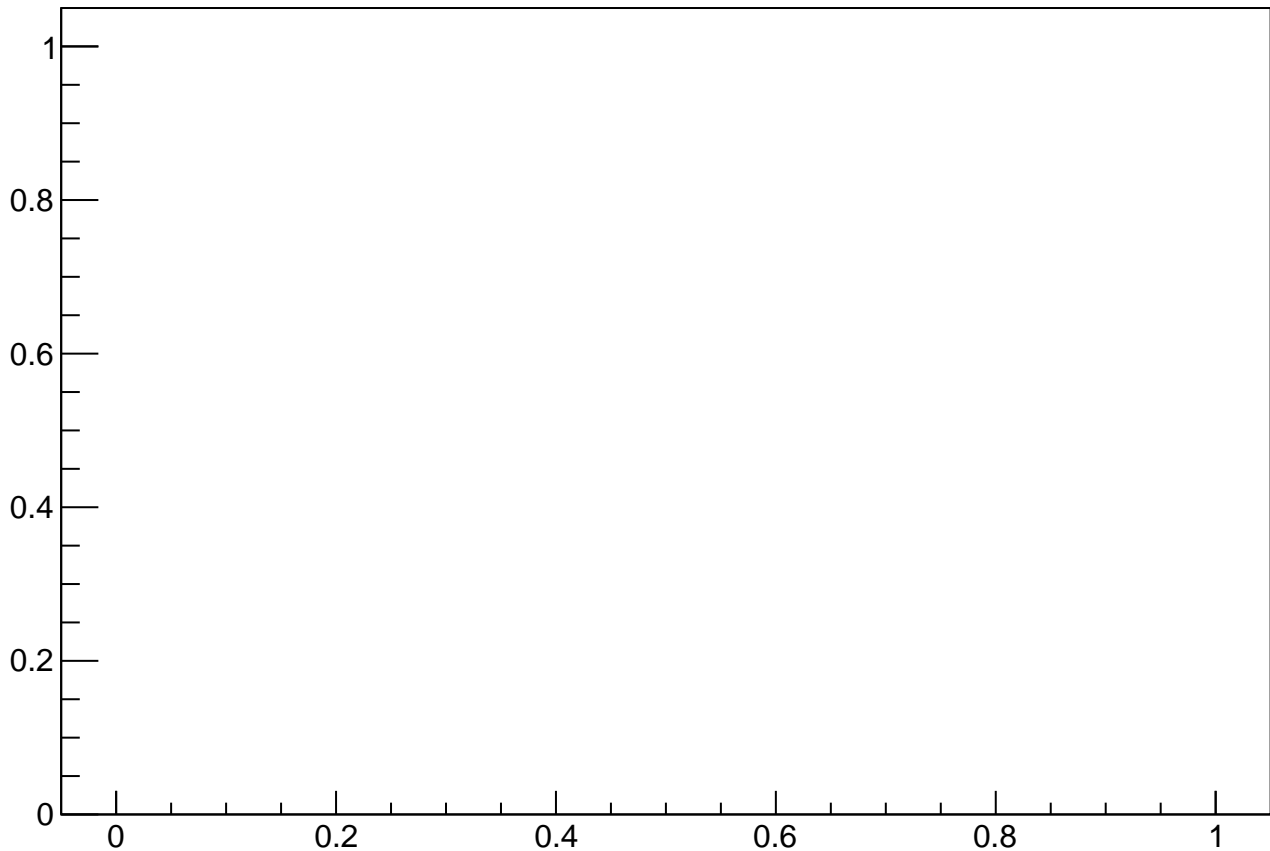
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

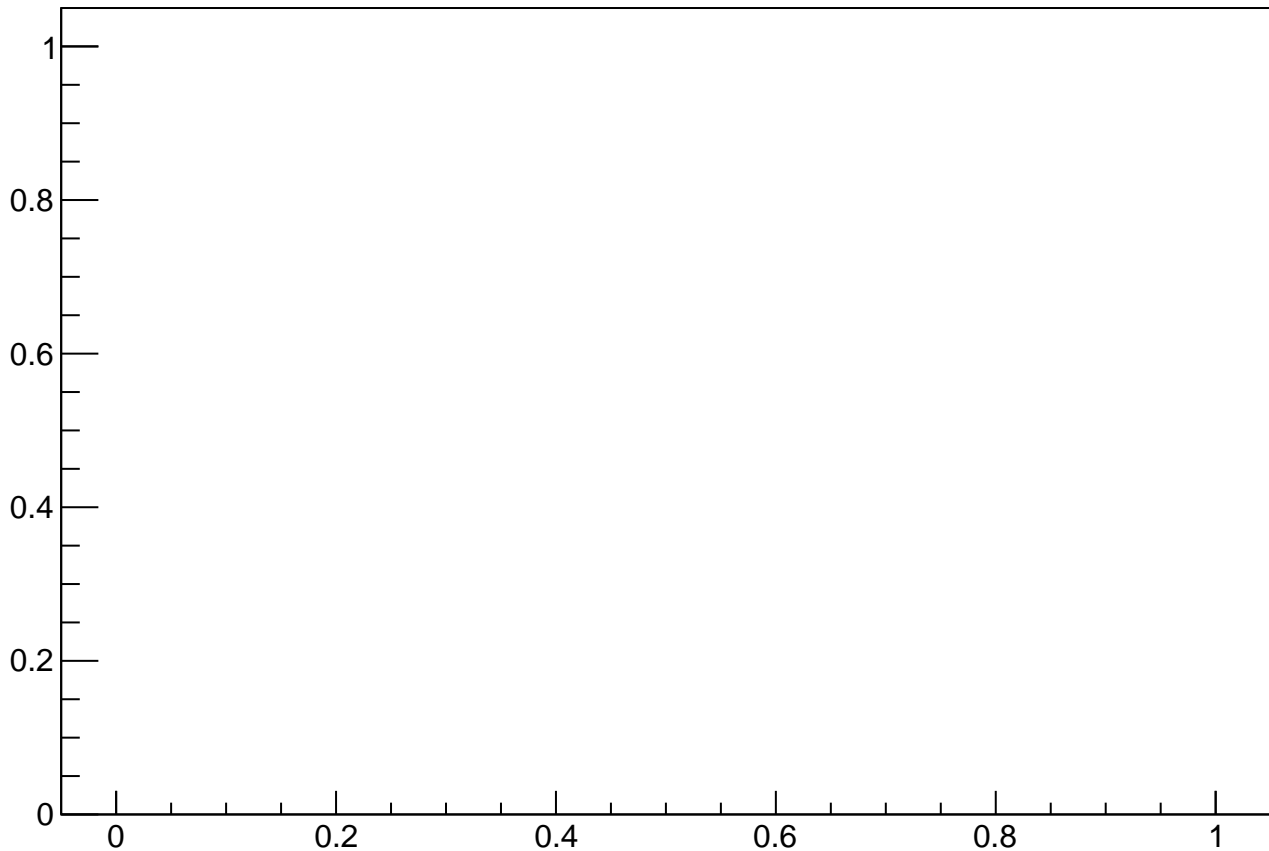
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

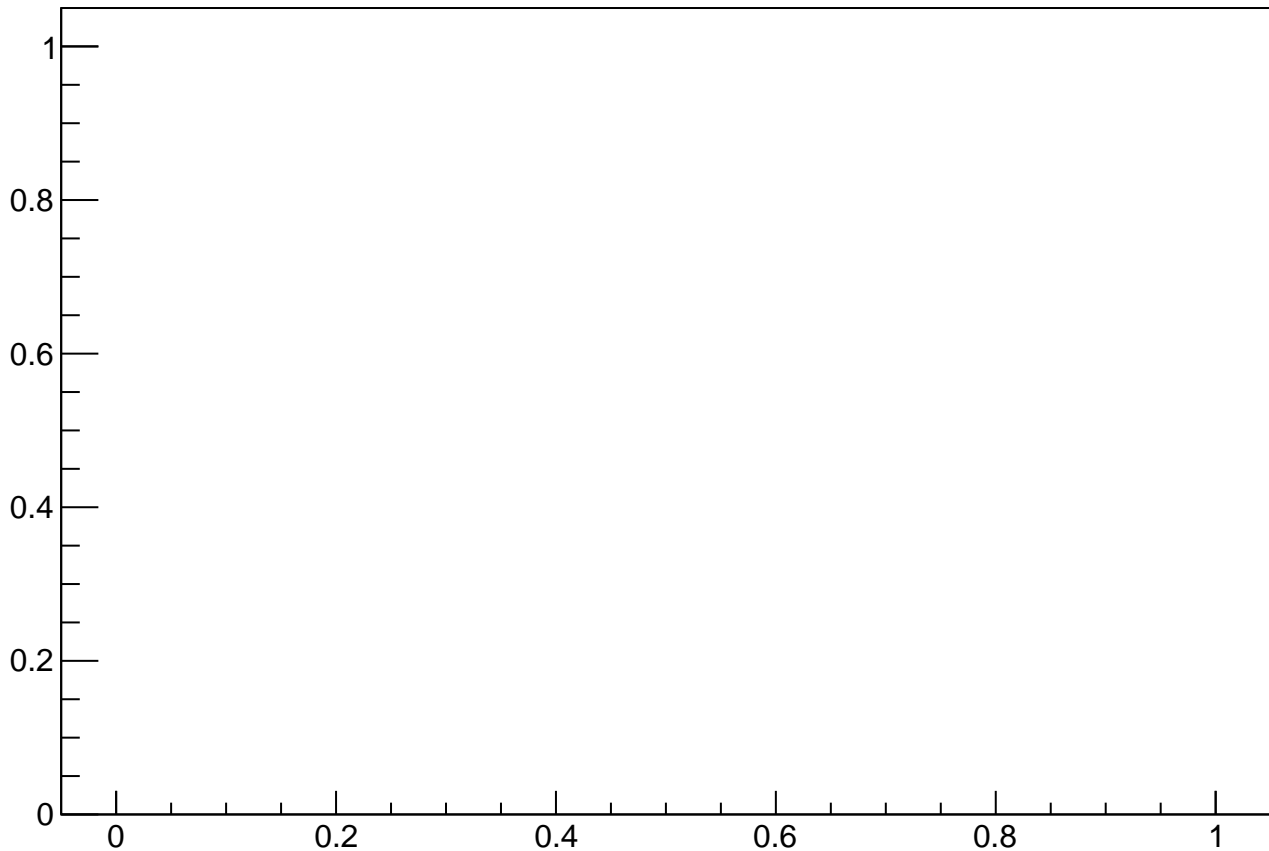
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

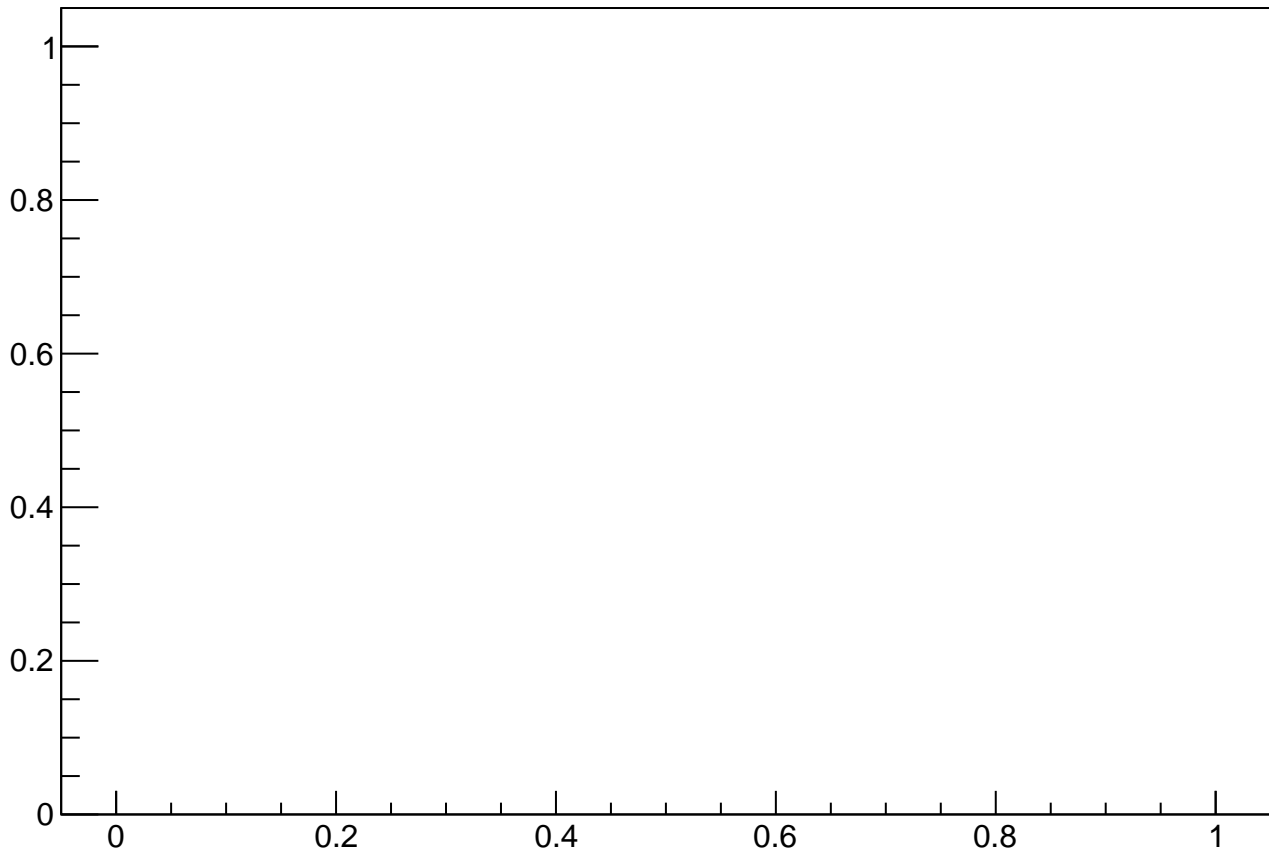
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

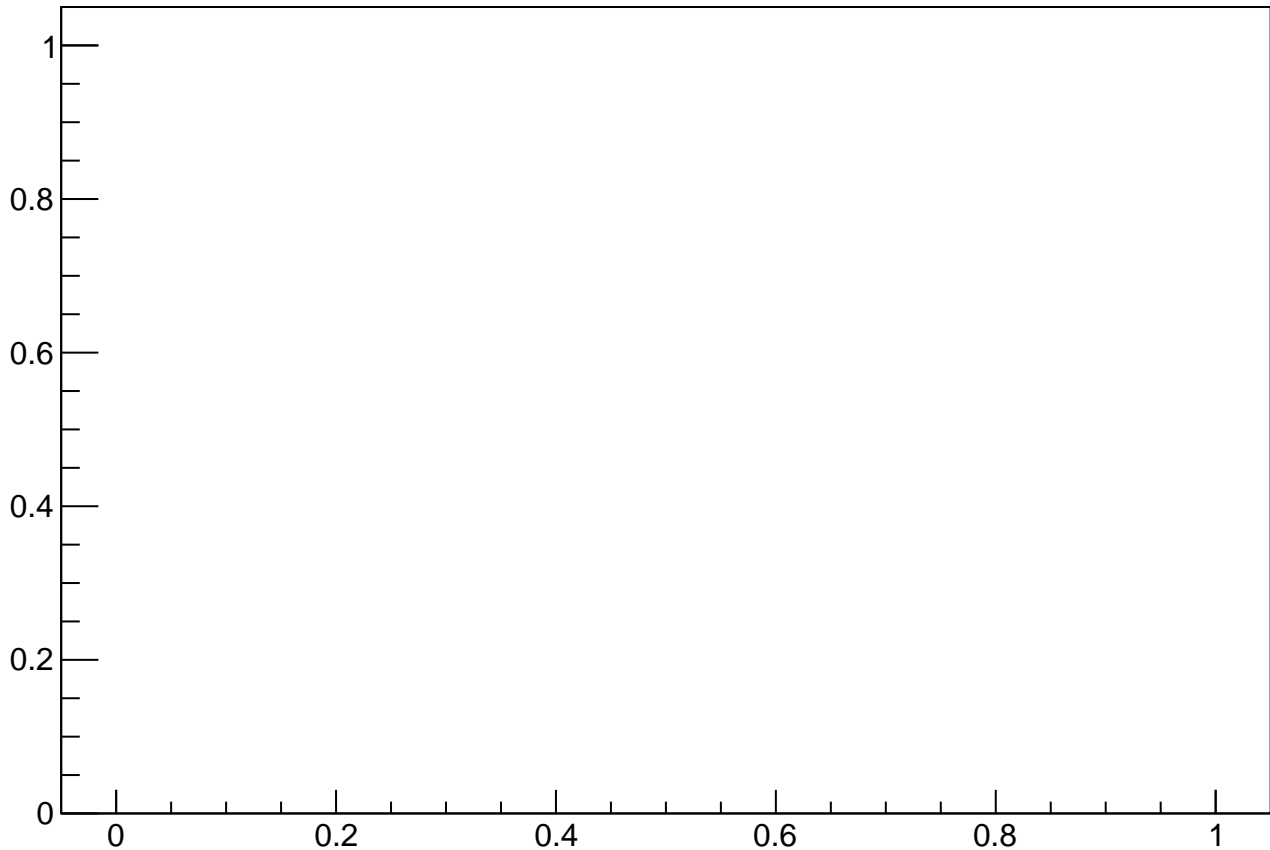
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

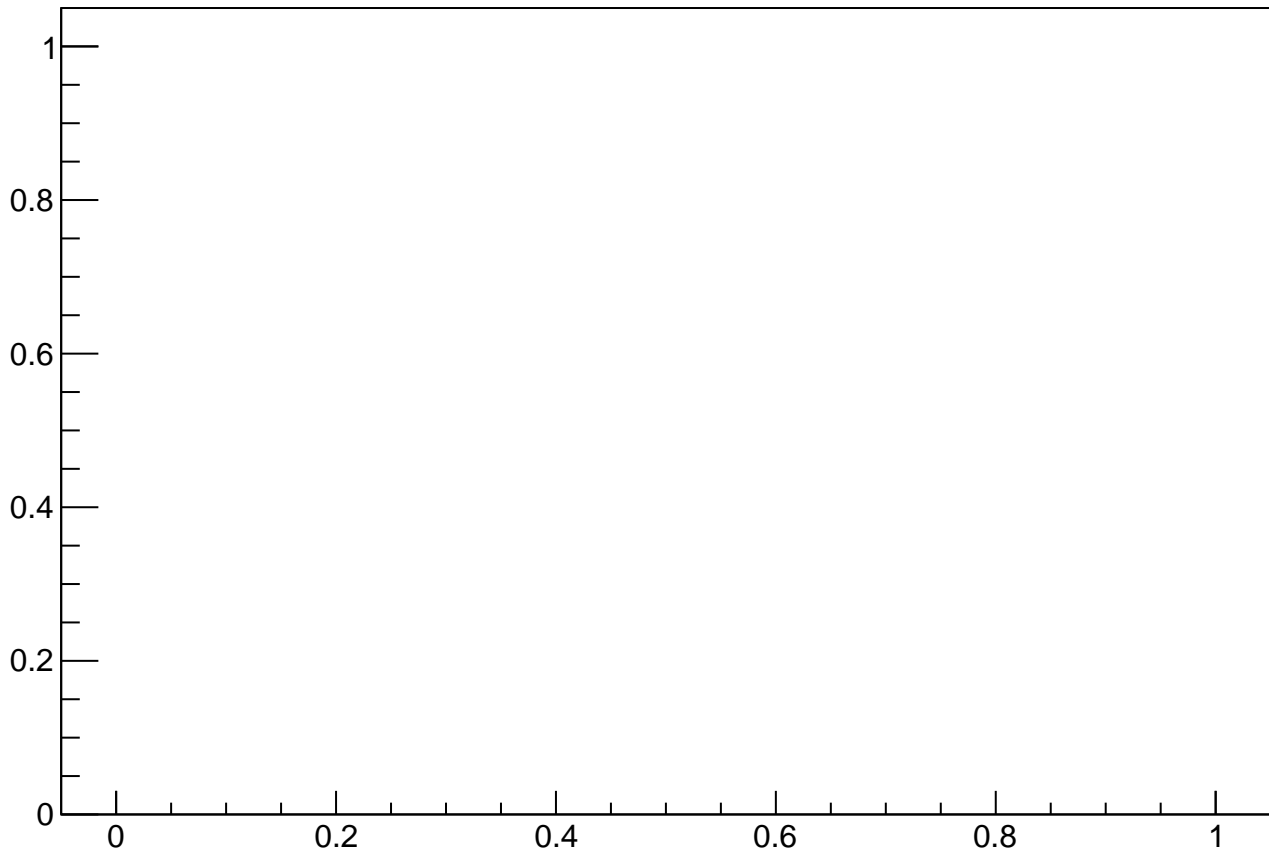
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil7\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil7\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam8\_coil7\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

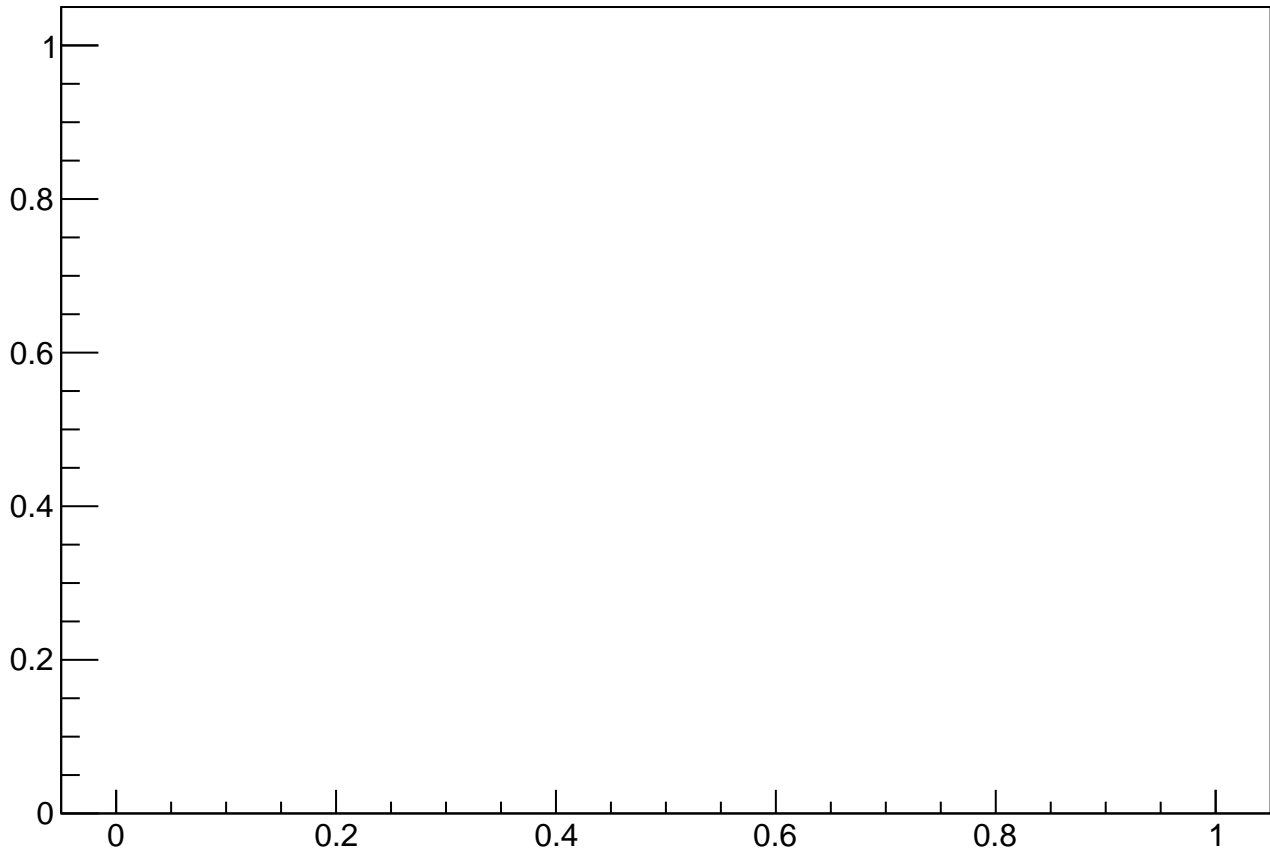
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

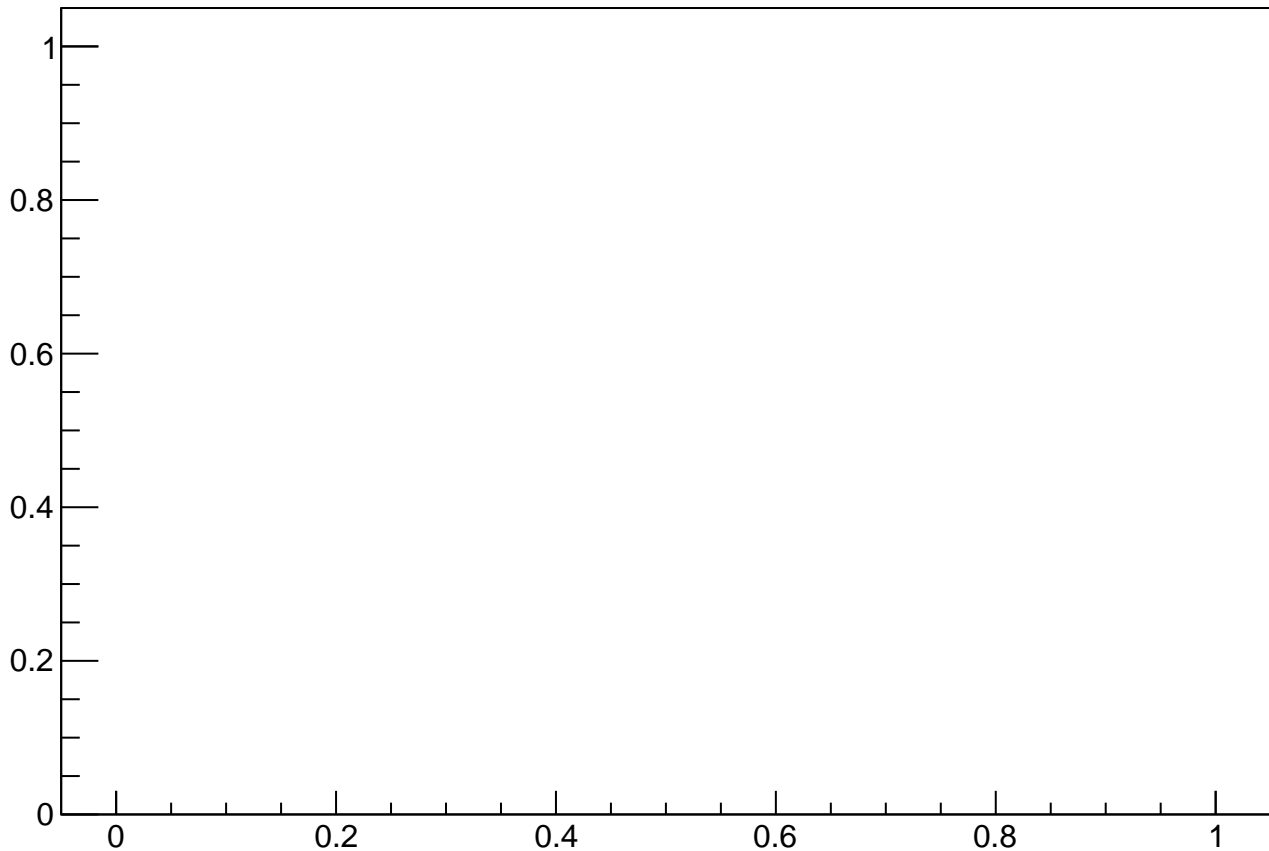
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

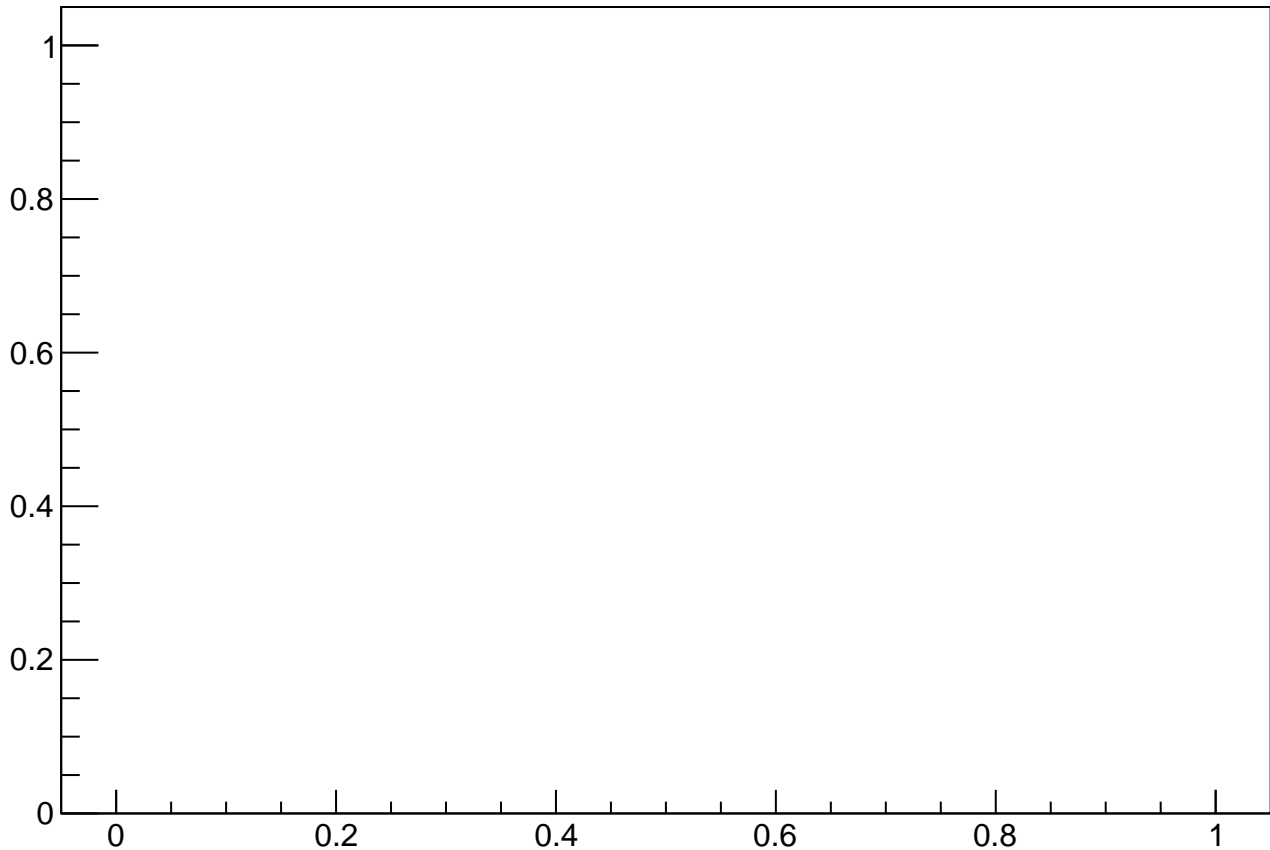
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

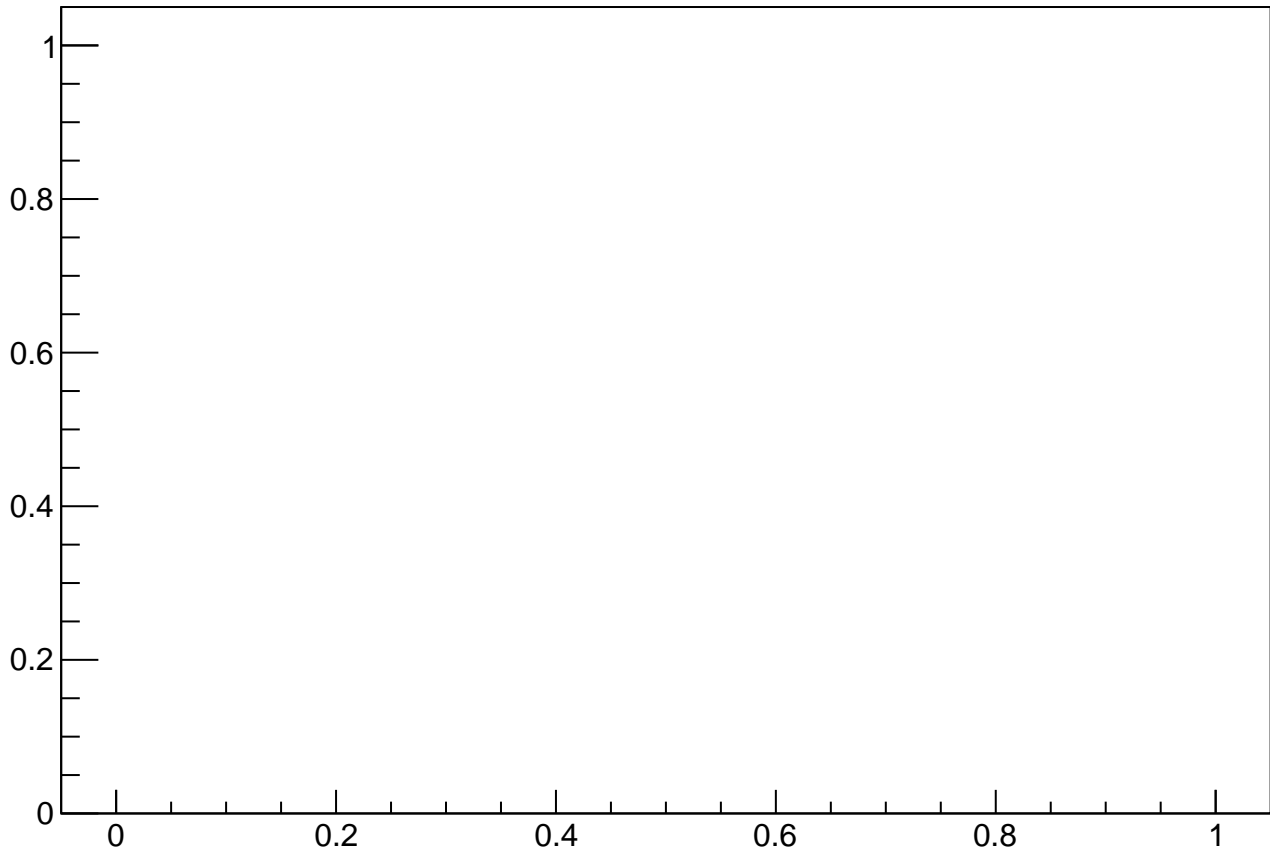
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_11X12X\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

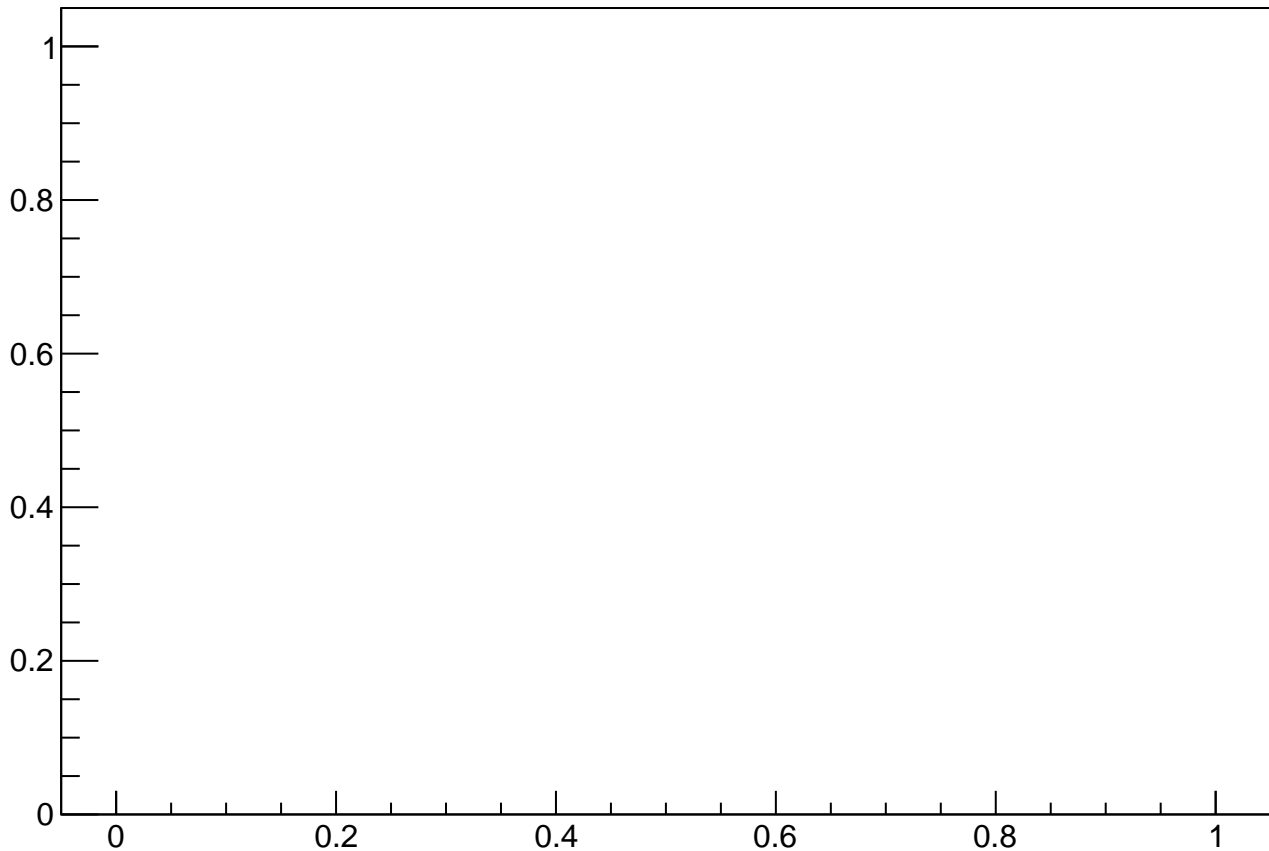
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

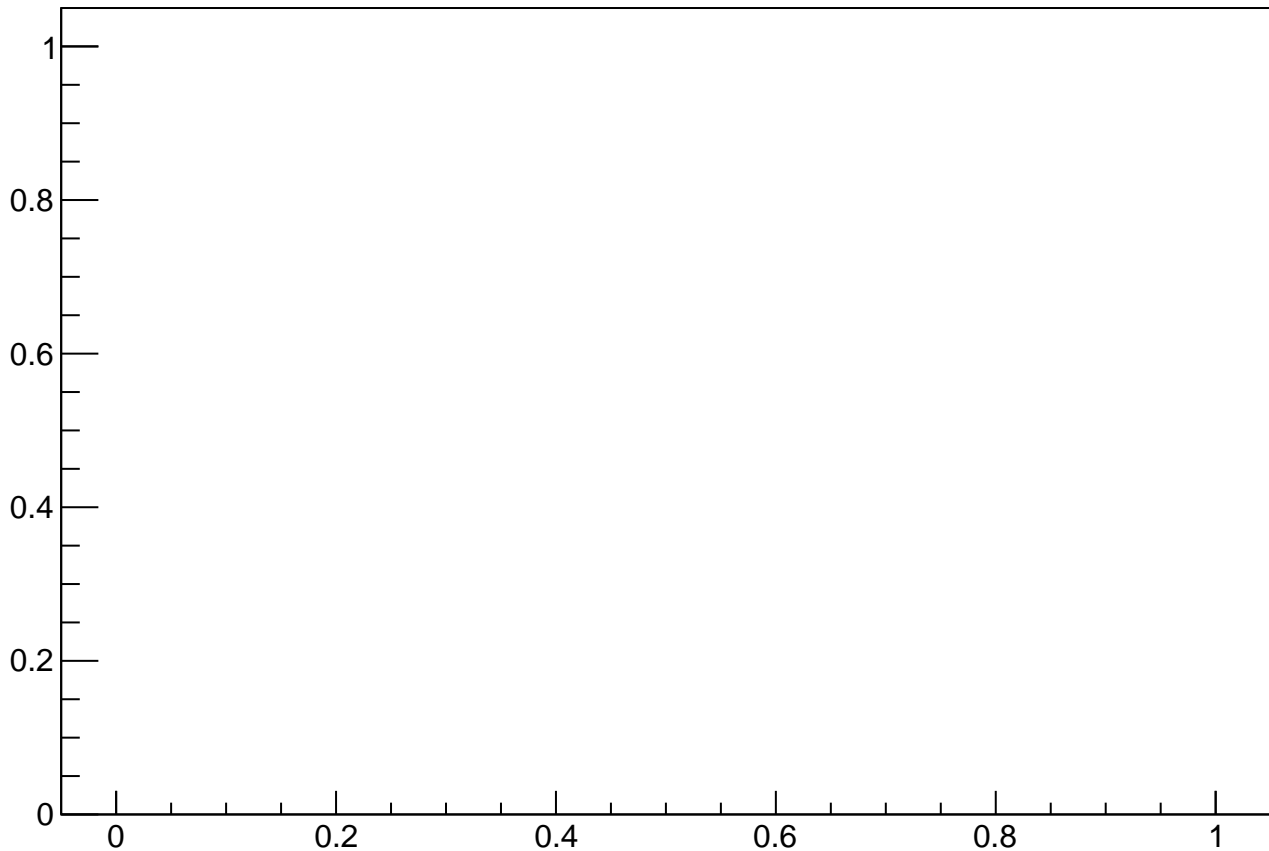
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_usl\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

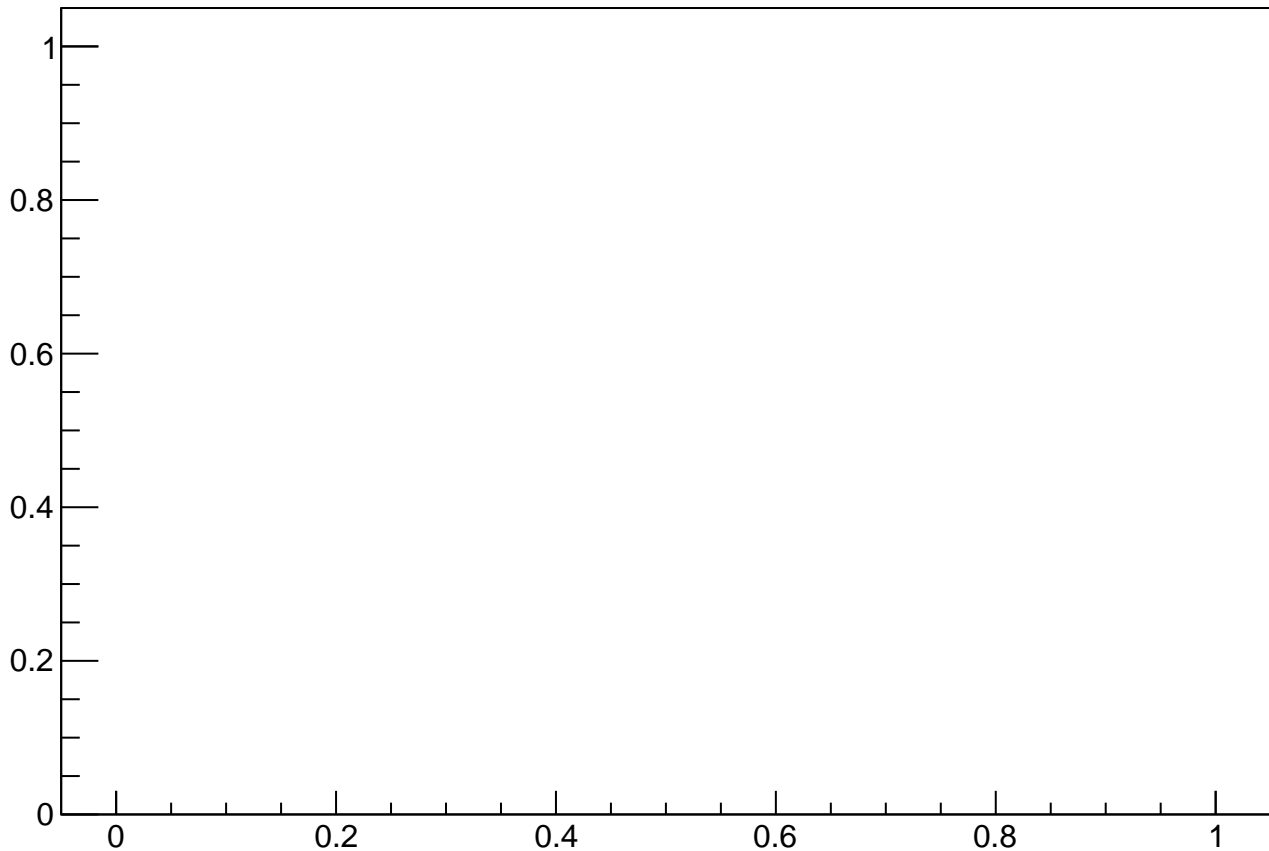
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

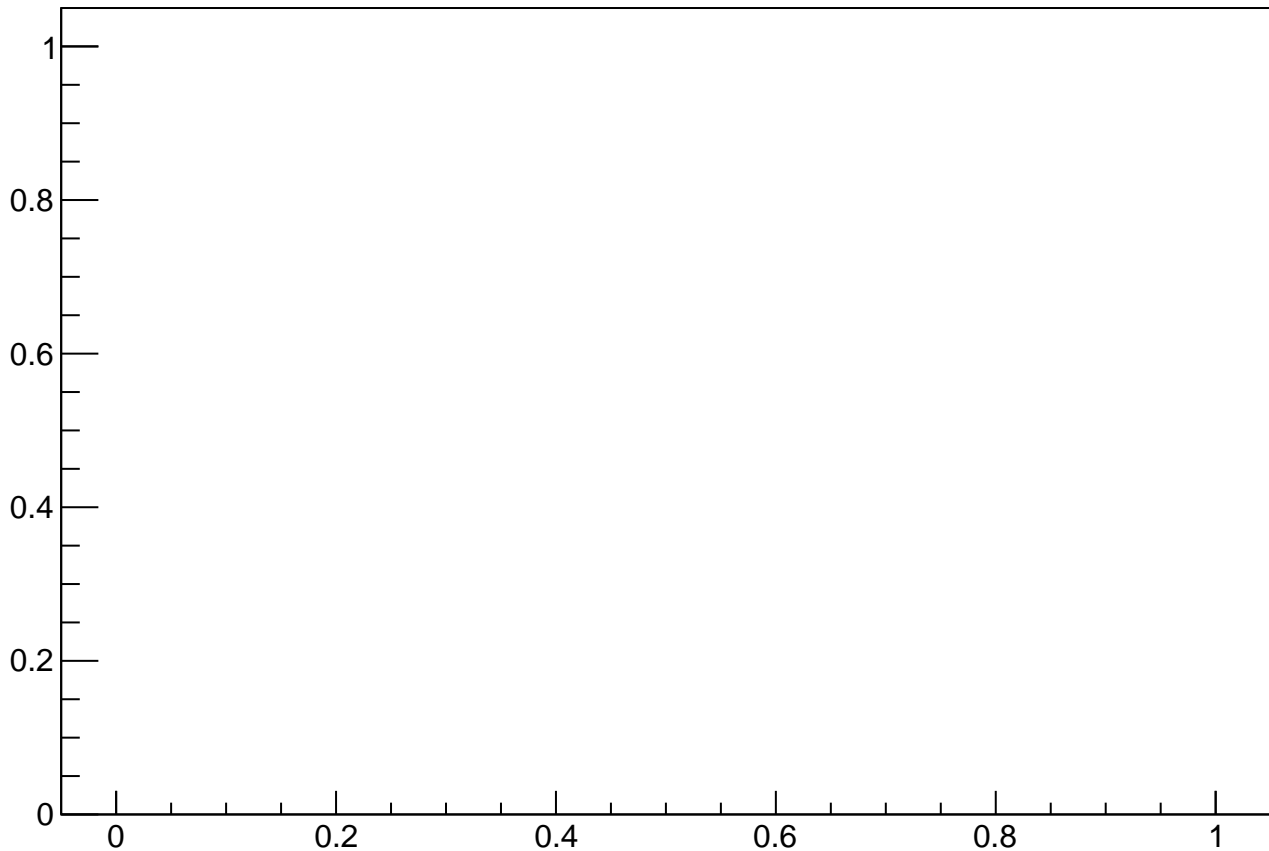
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl1\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

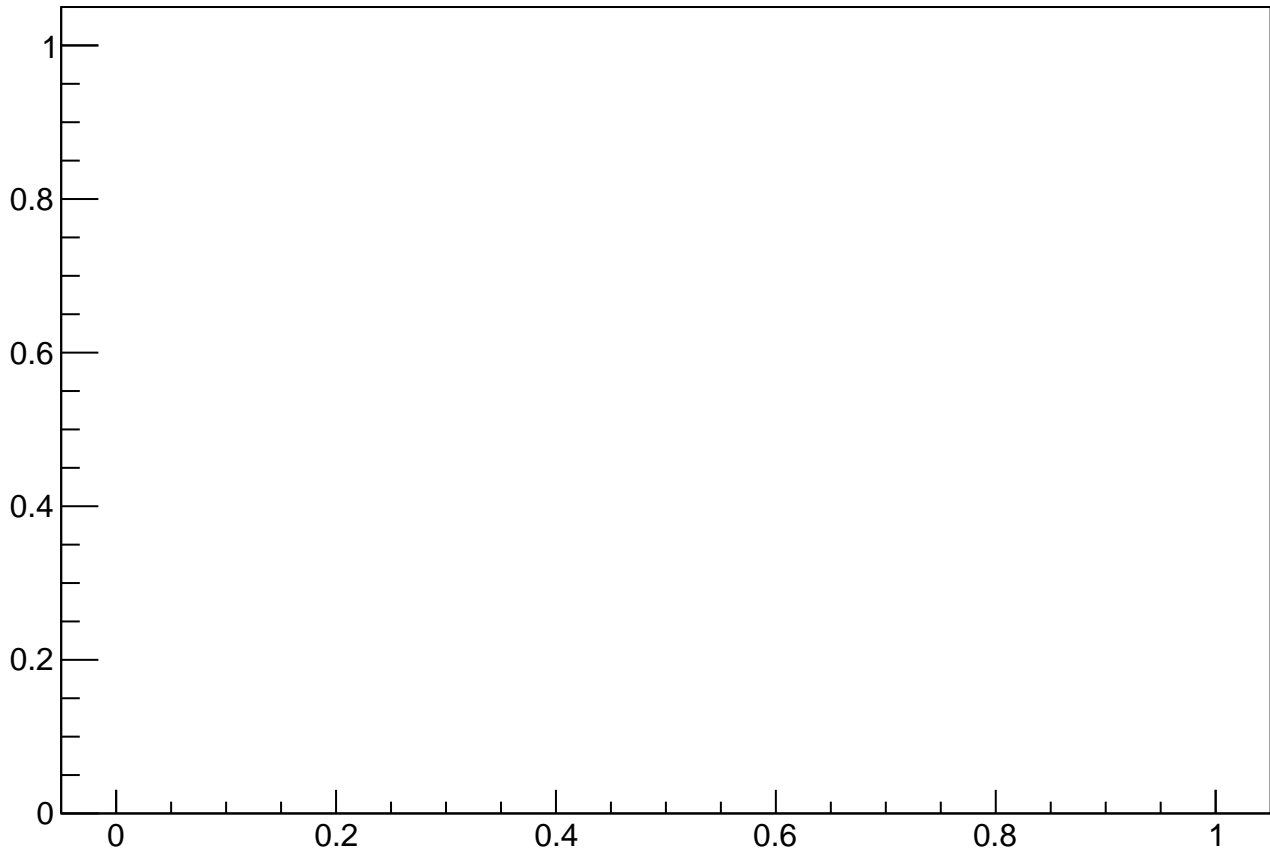
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

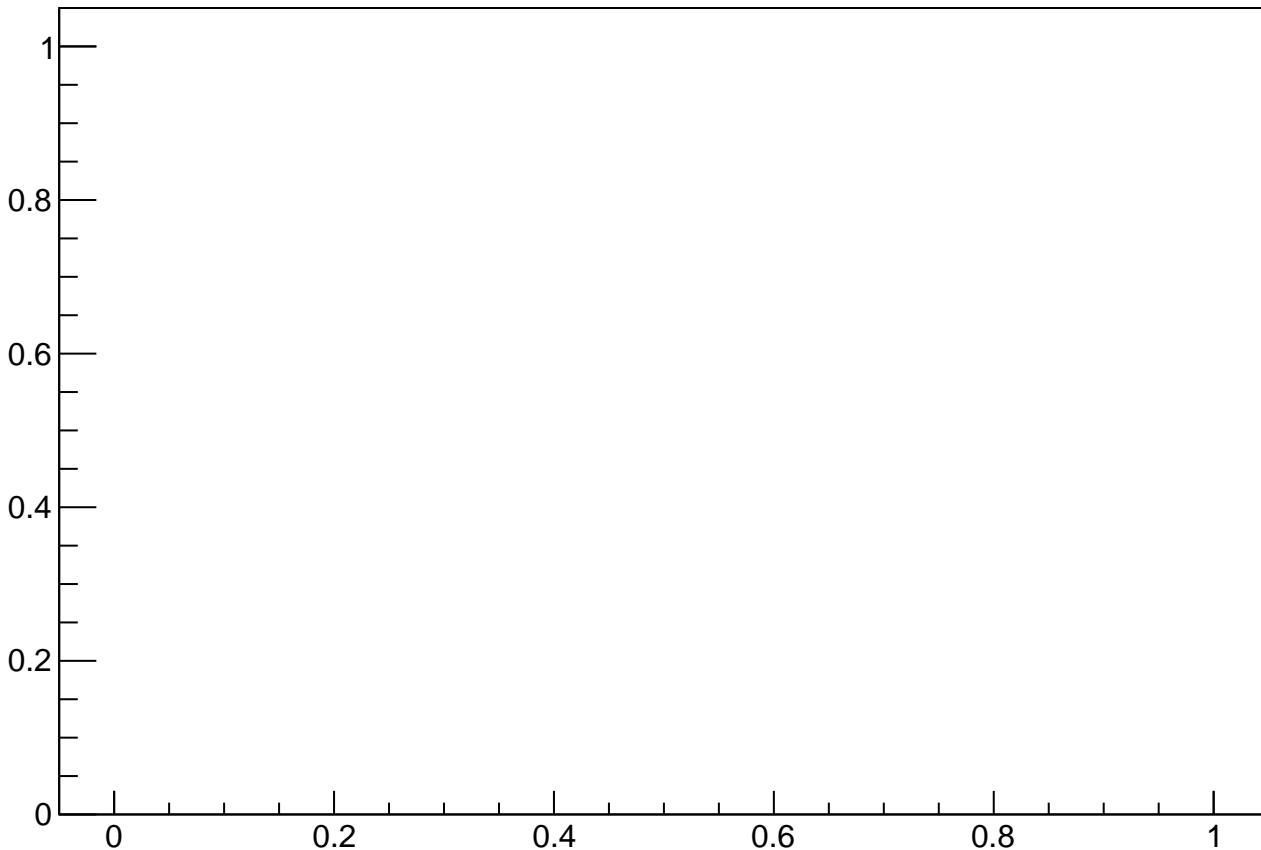
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

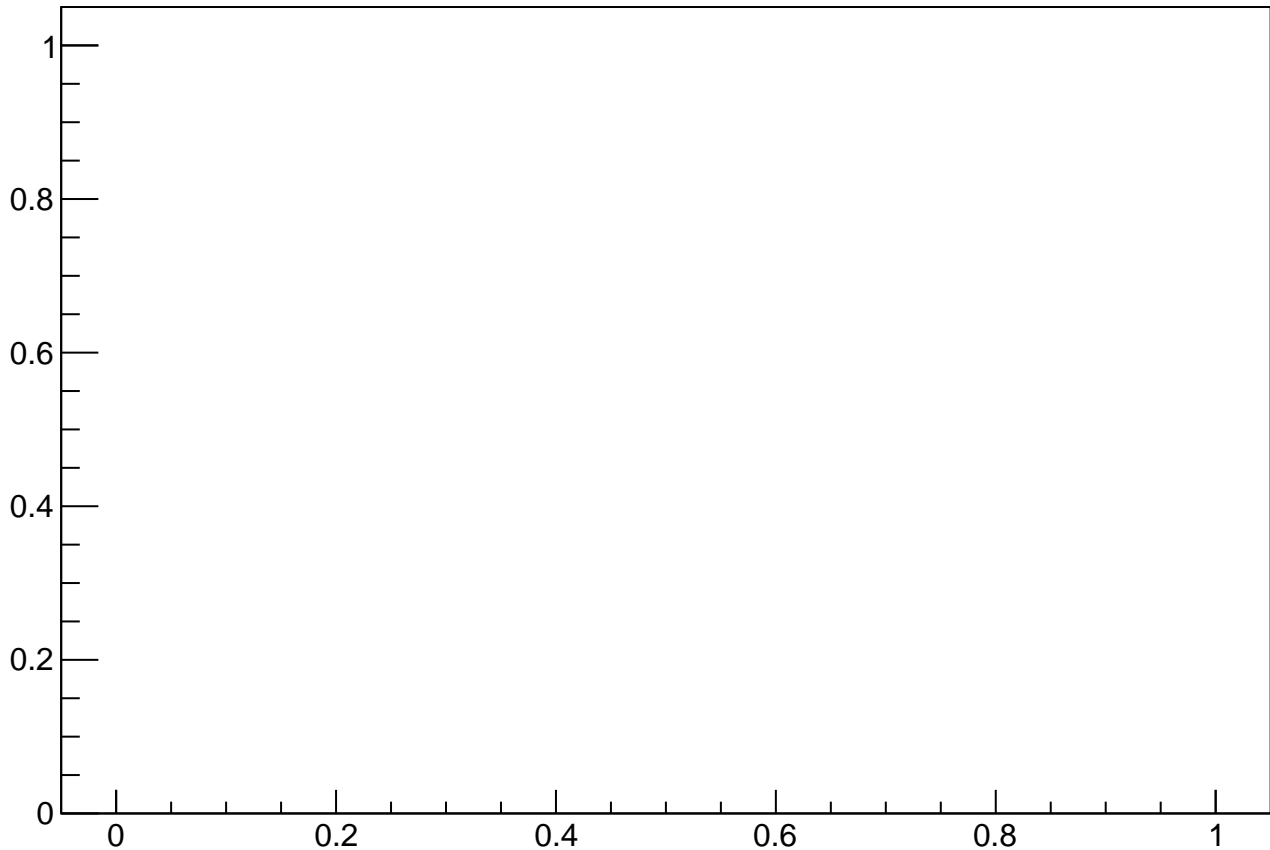
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

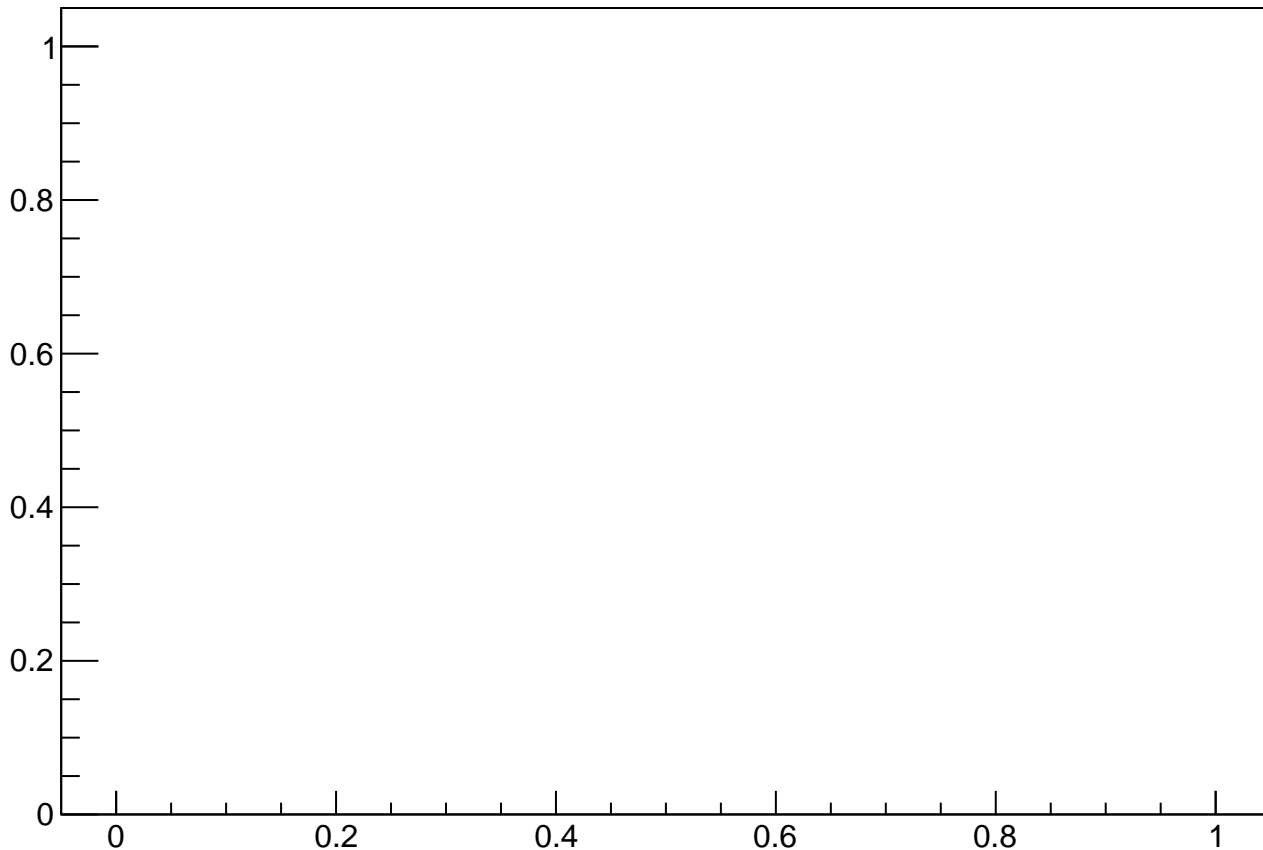
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atr2\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

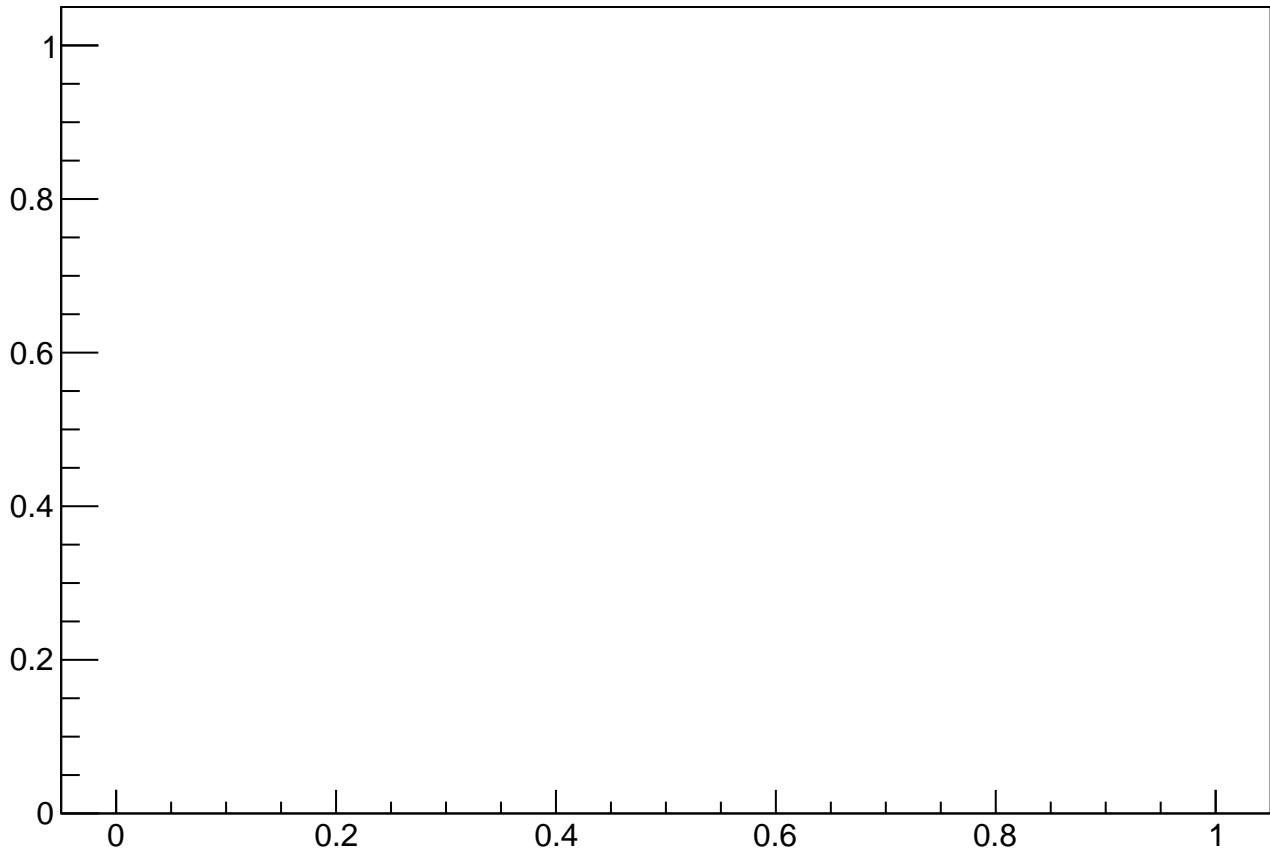
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

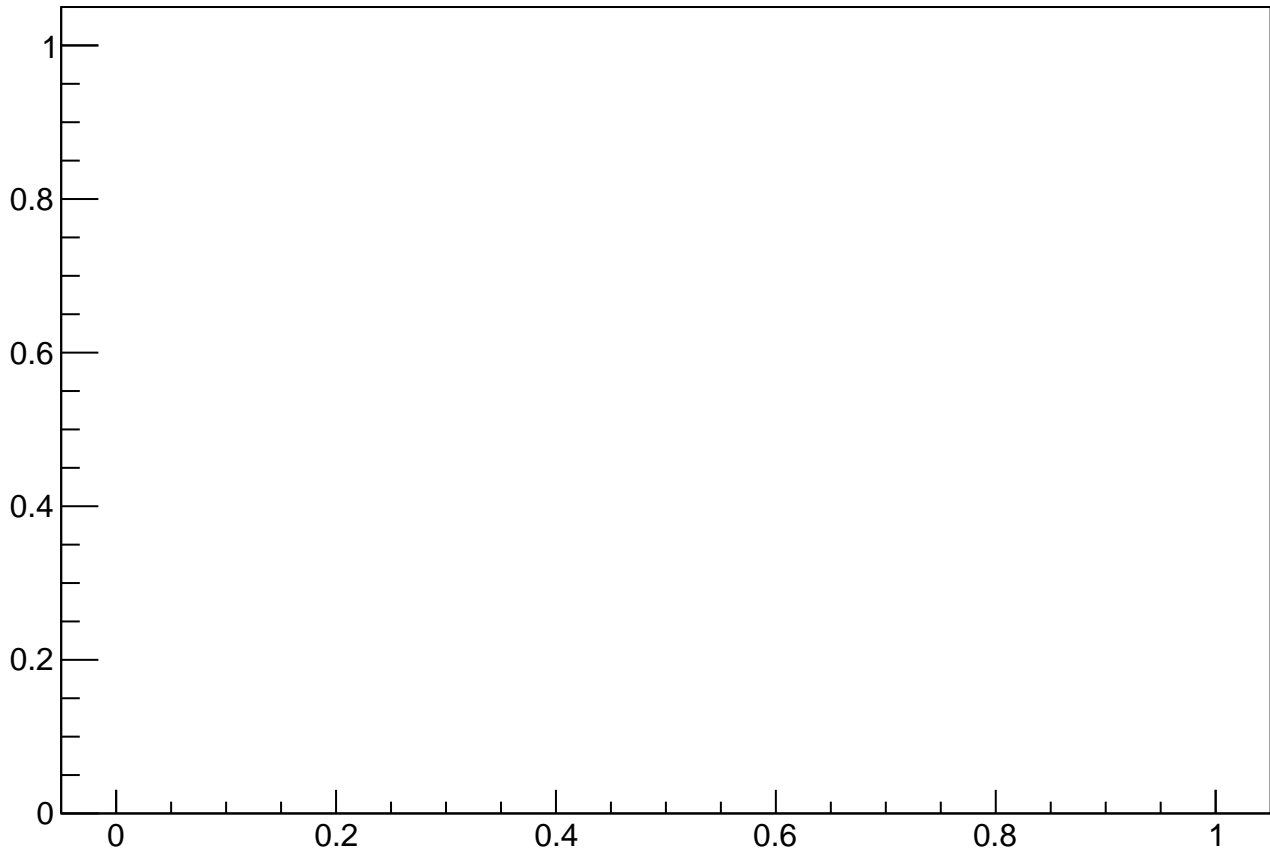
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

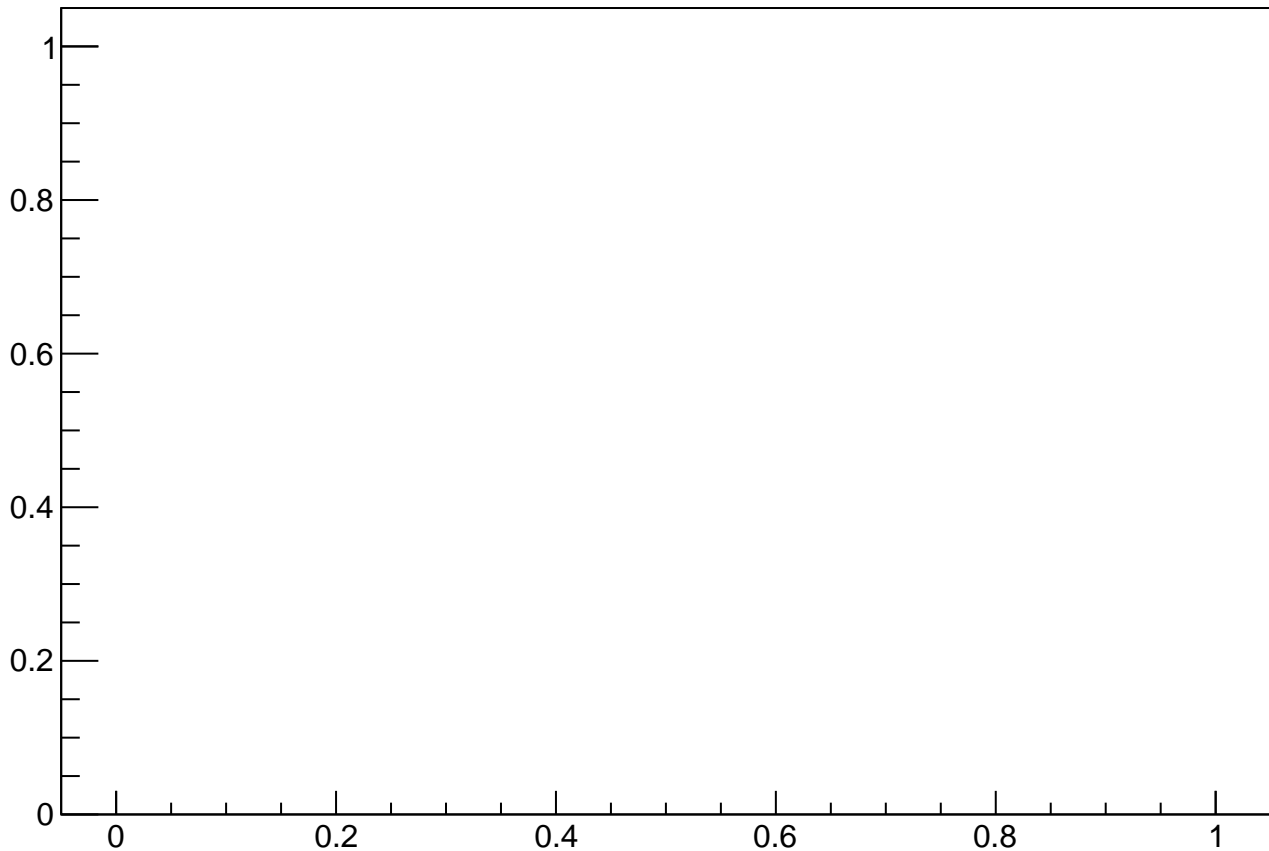
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

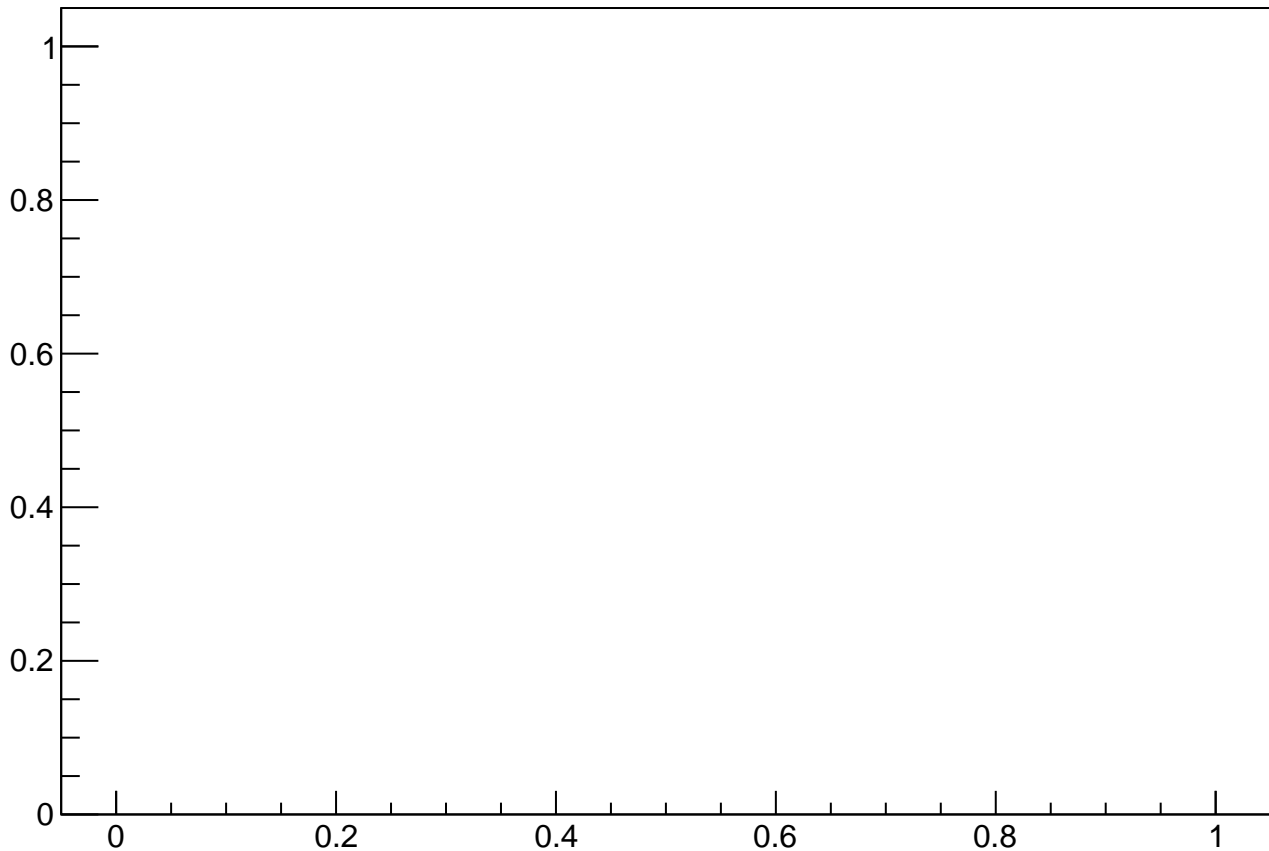
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam3\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

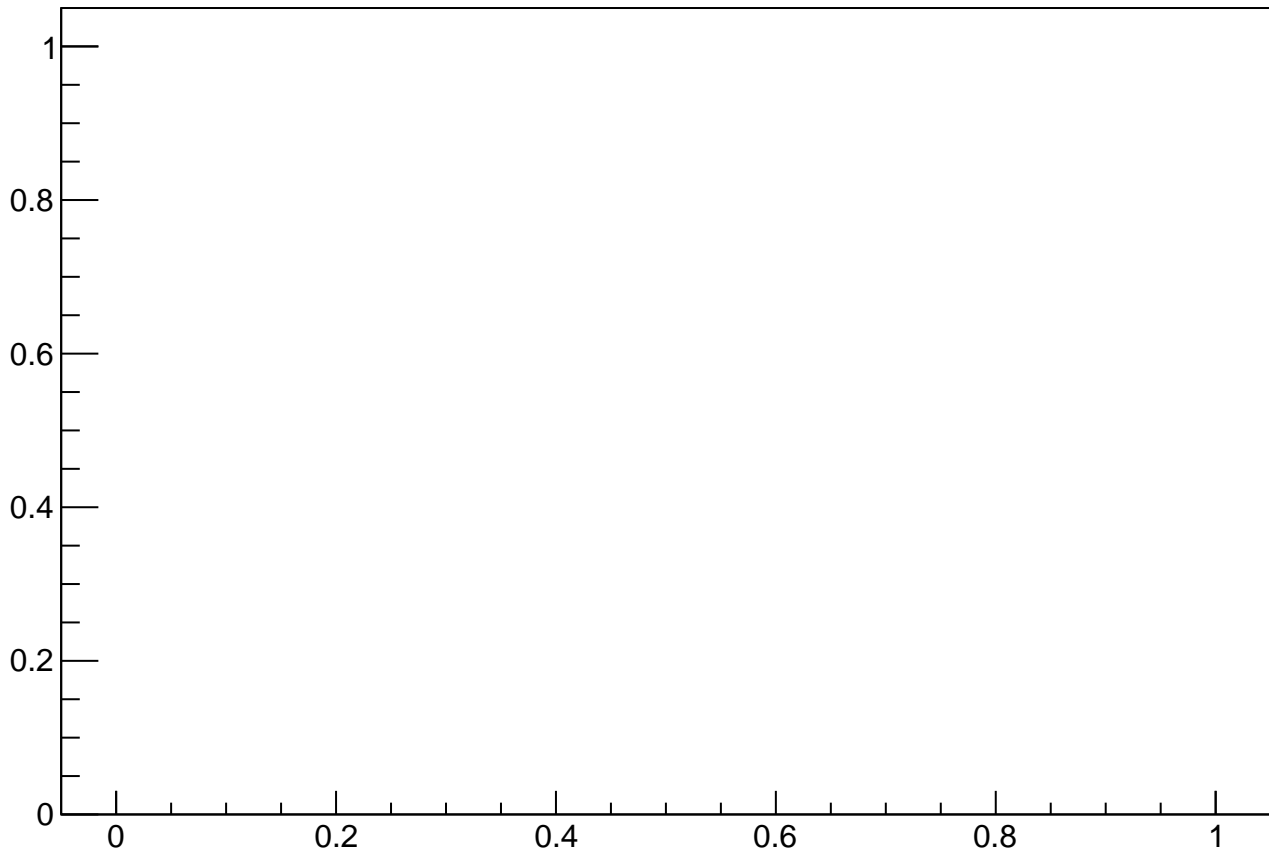
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

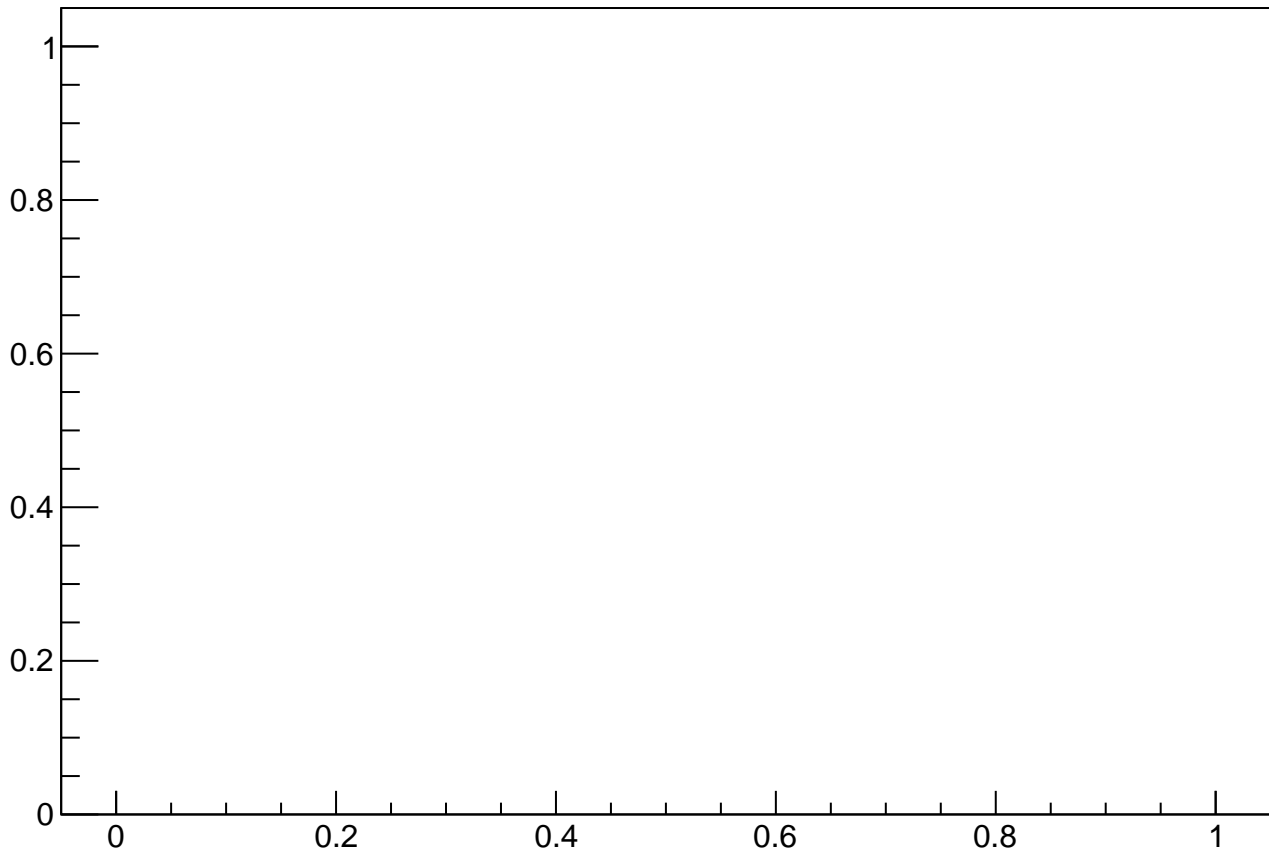
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam5\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

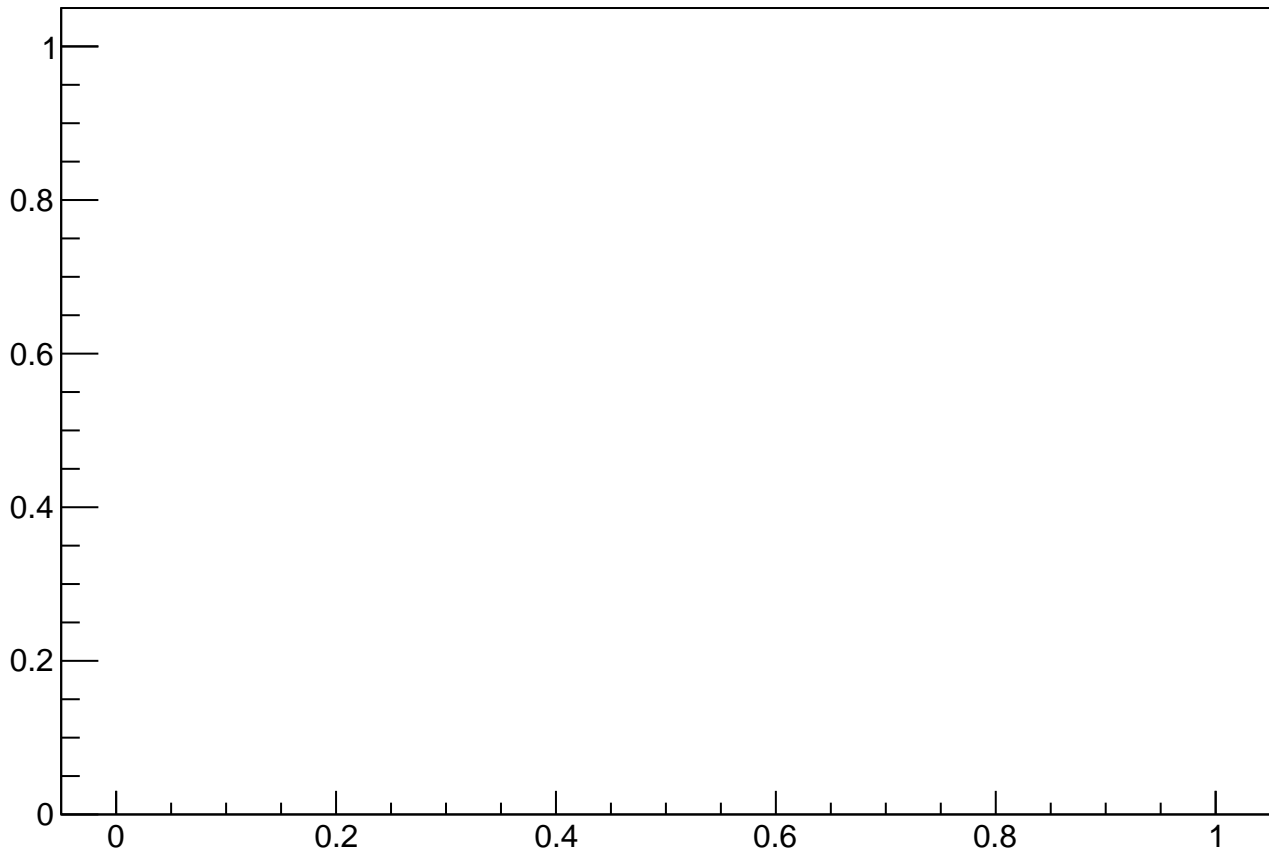
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

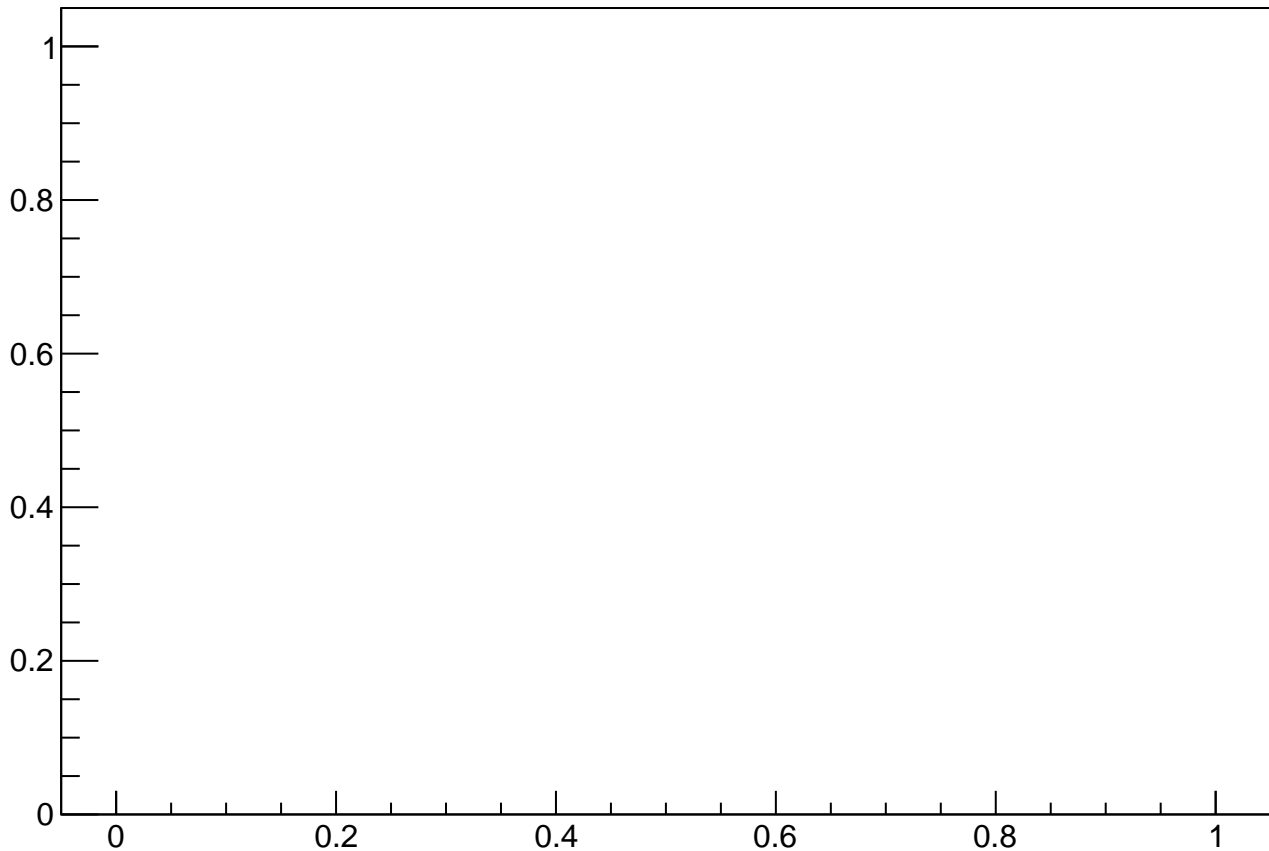
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

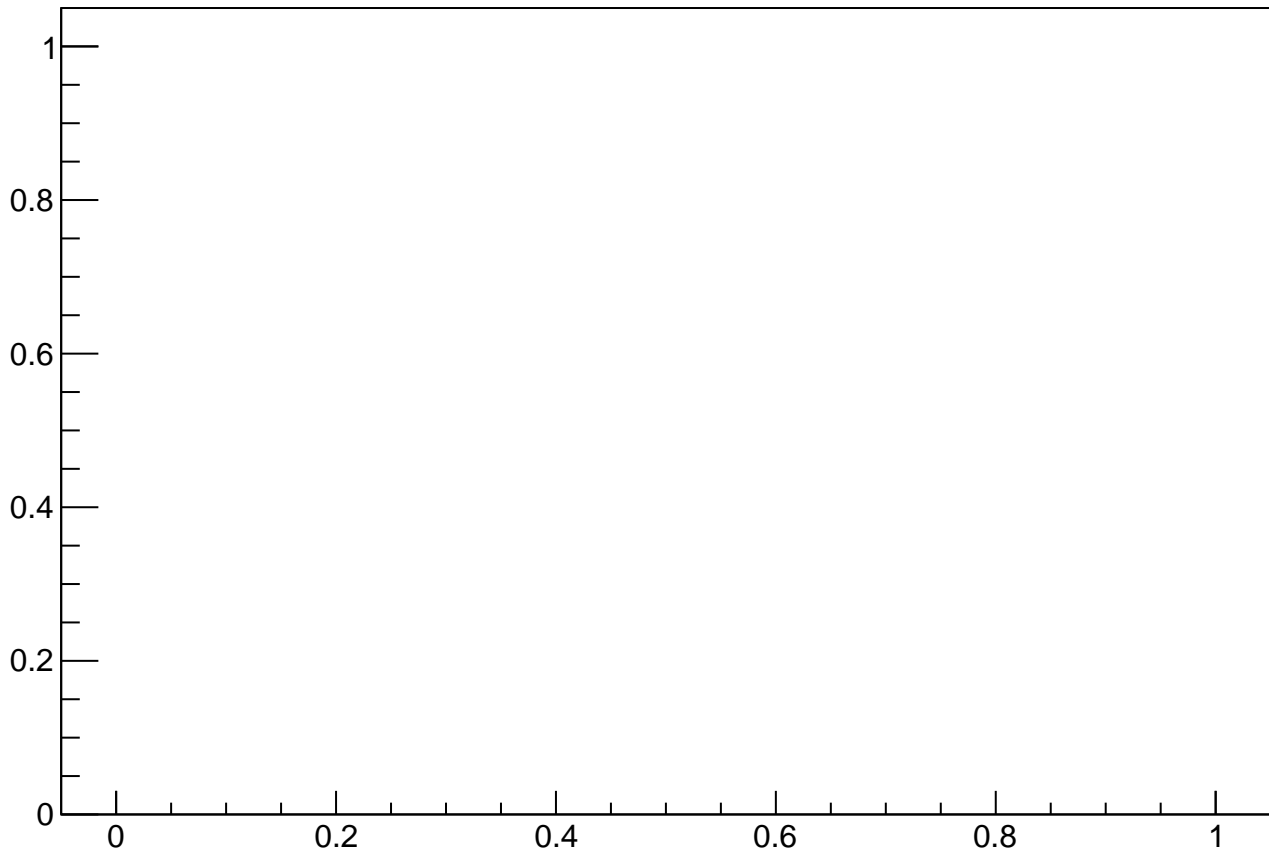
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

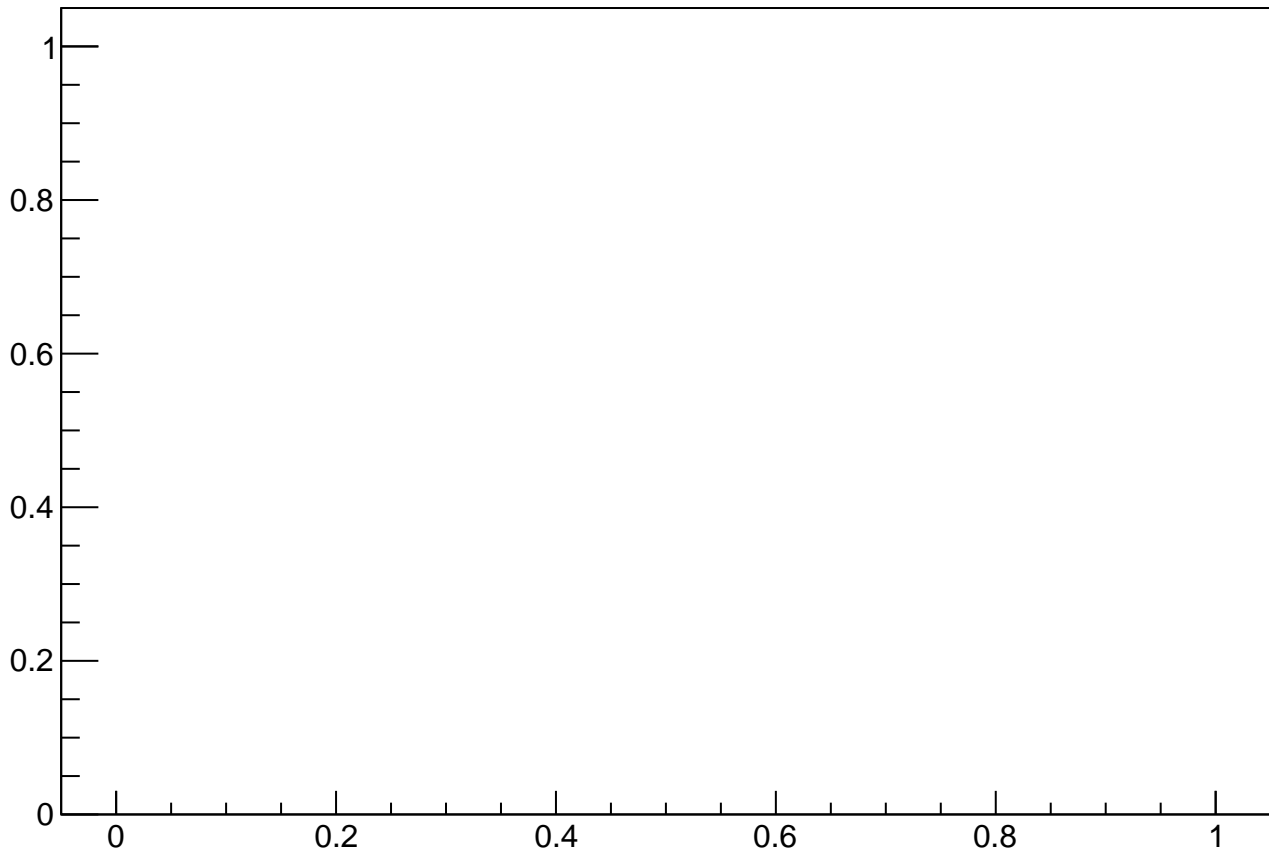
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil4\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam8\_coil4\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil4\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

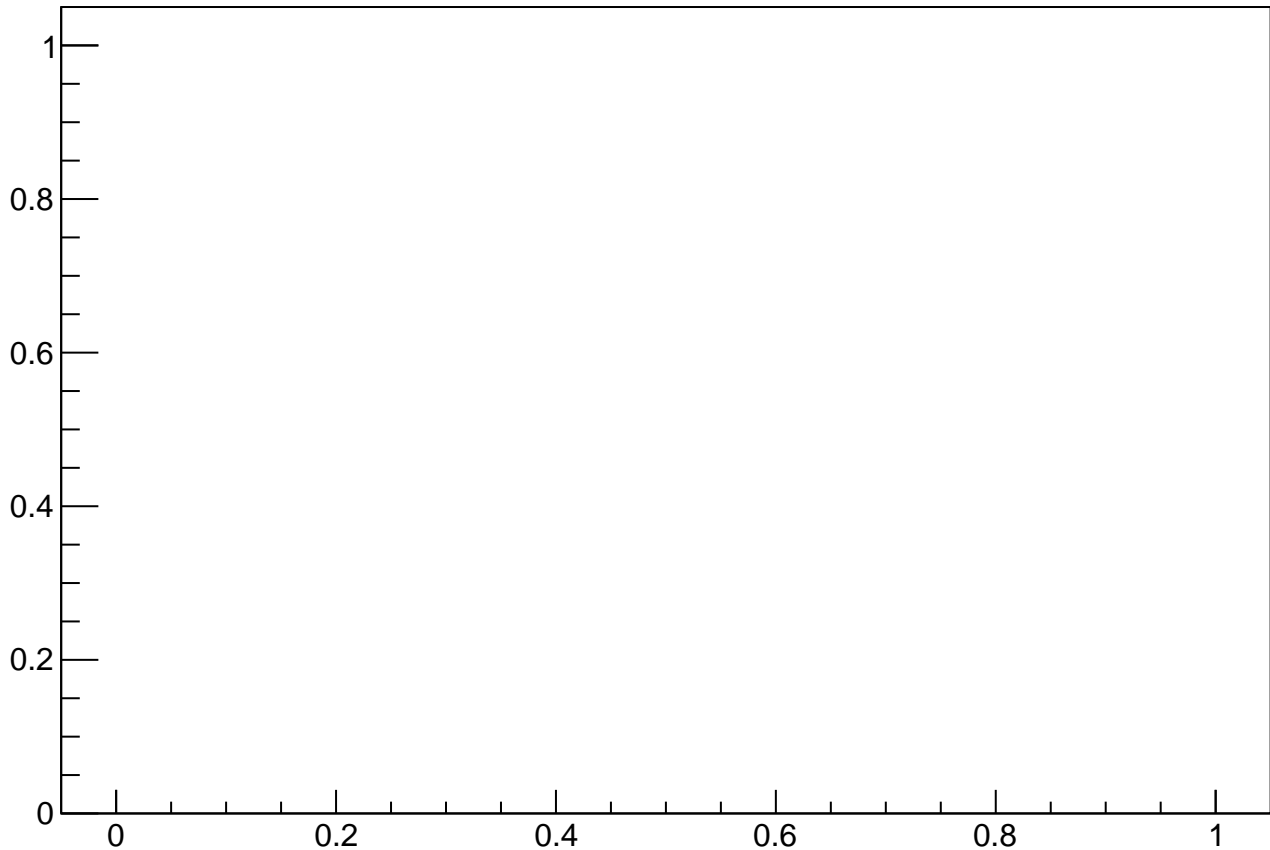
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

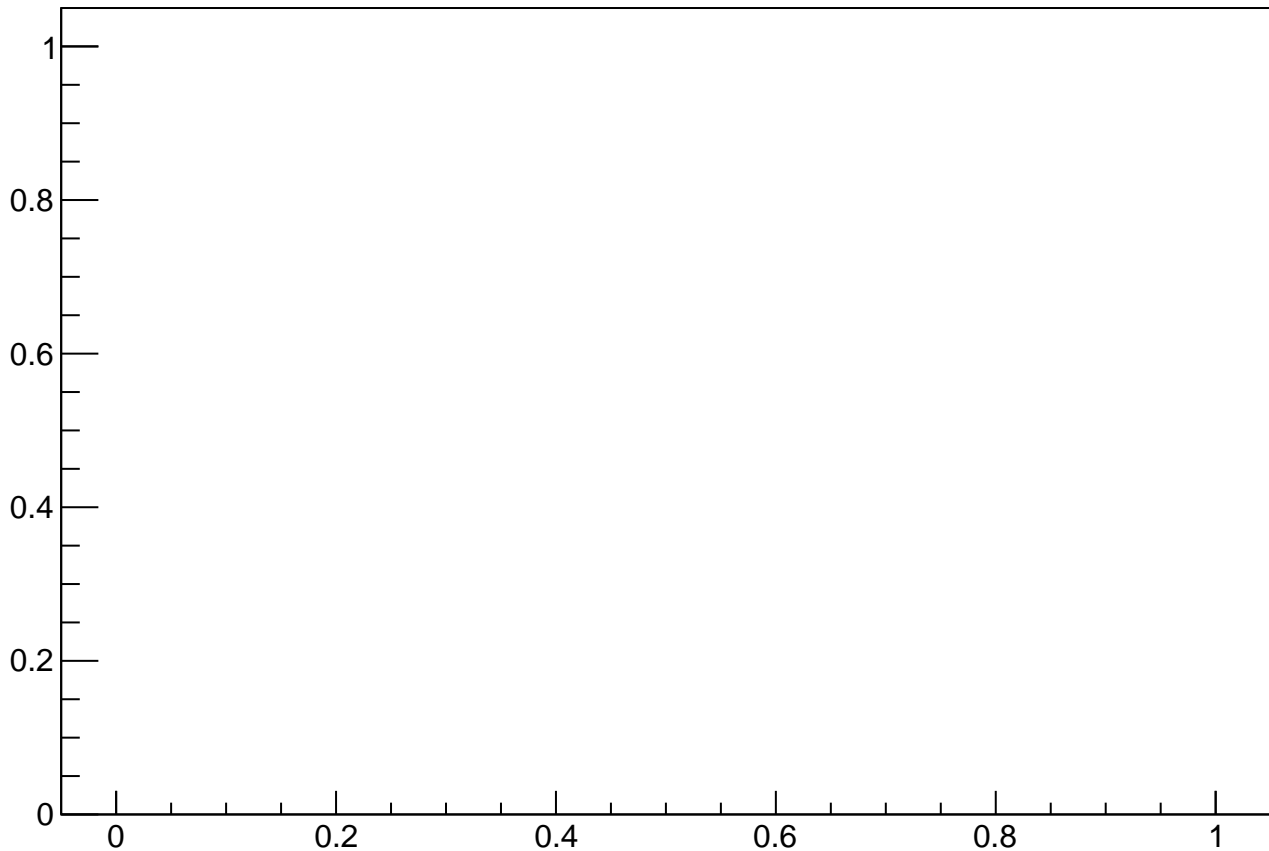
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

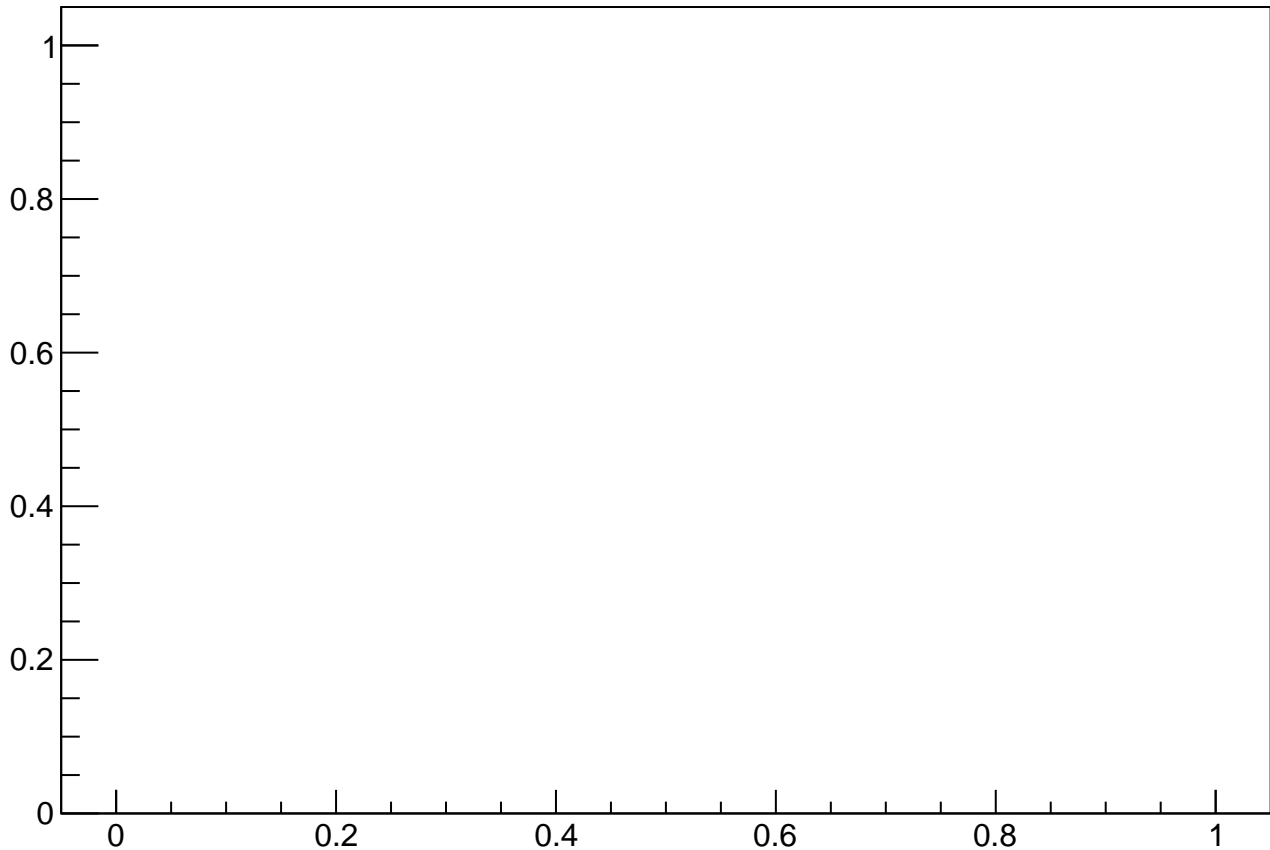
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

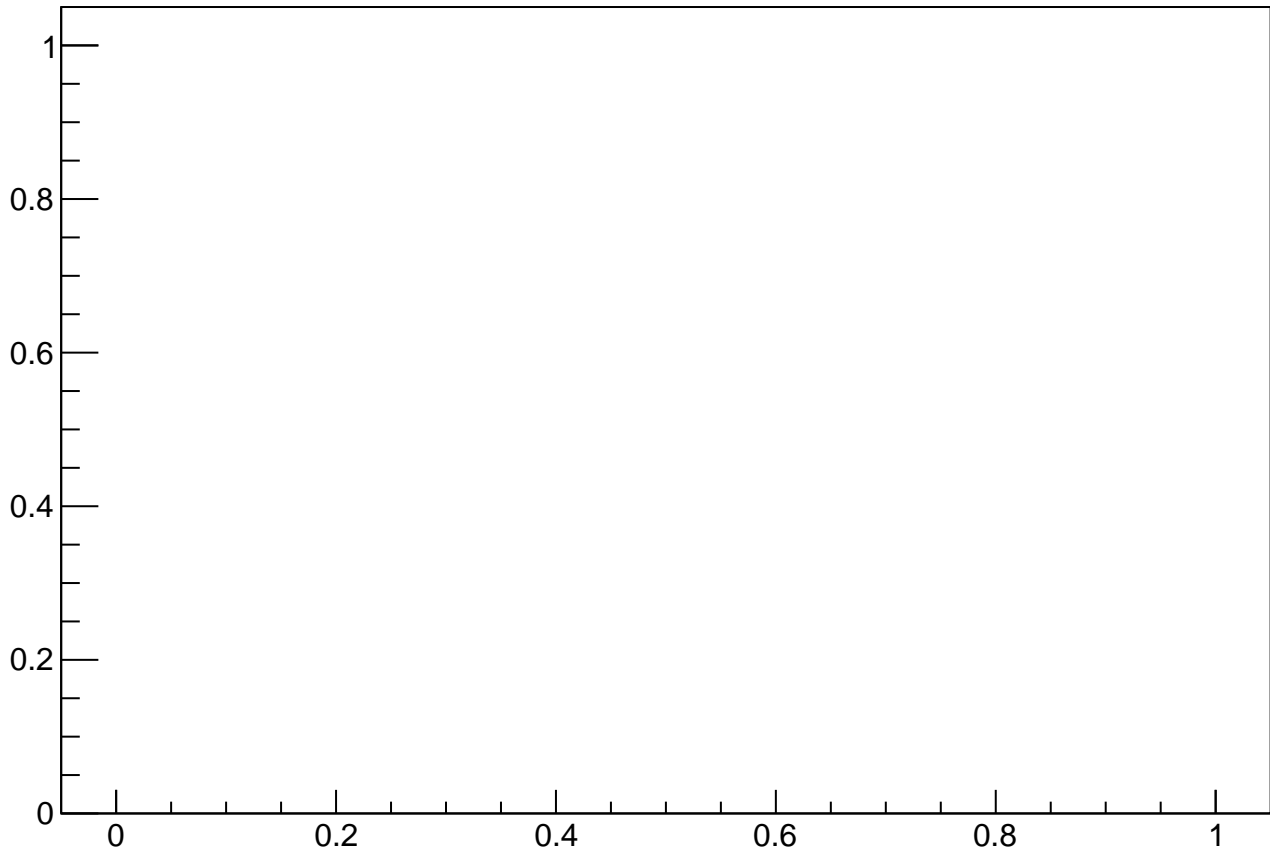
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_11X12X\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

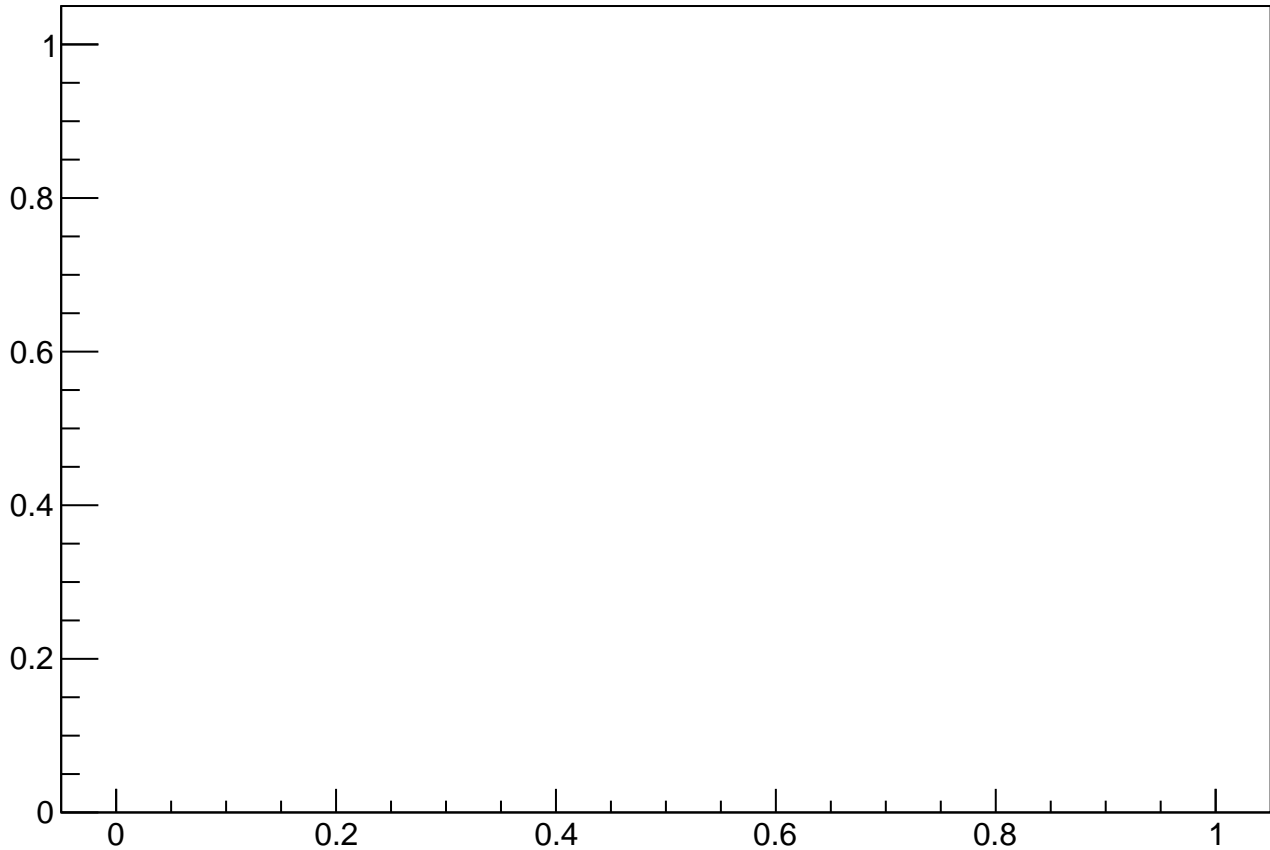
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

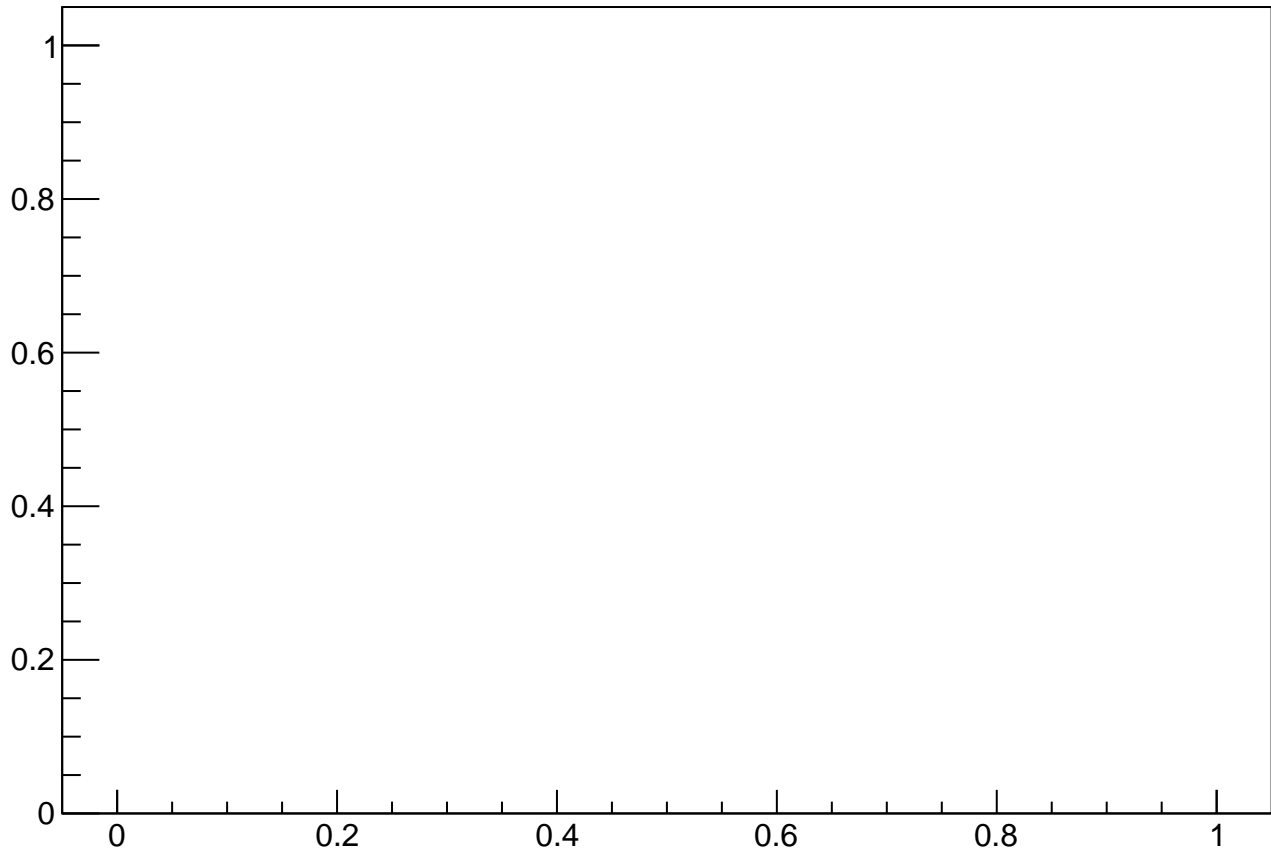
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

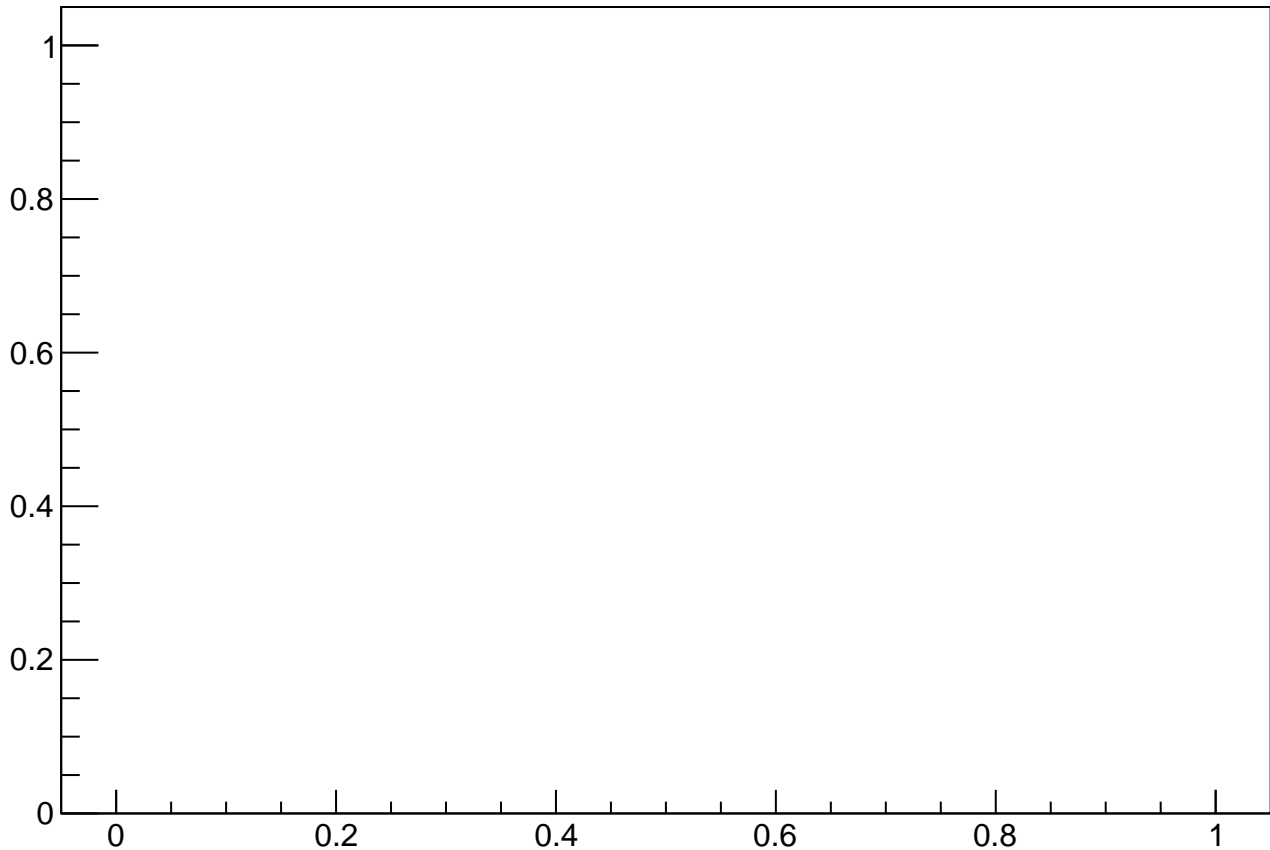
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4eY\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

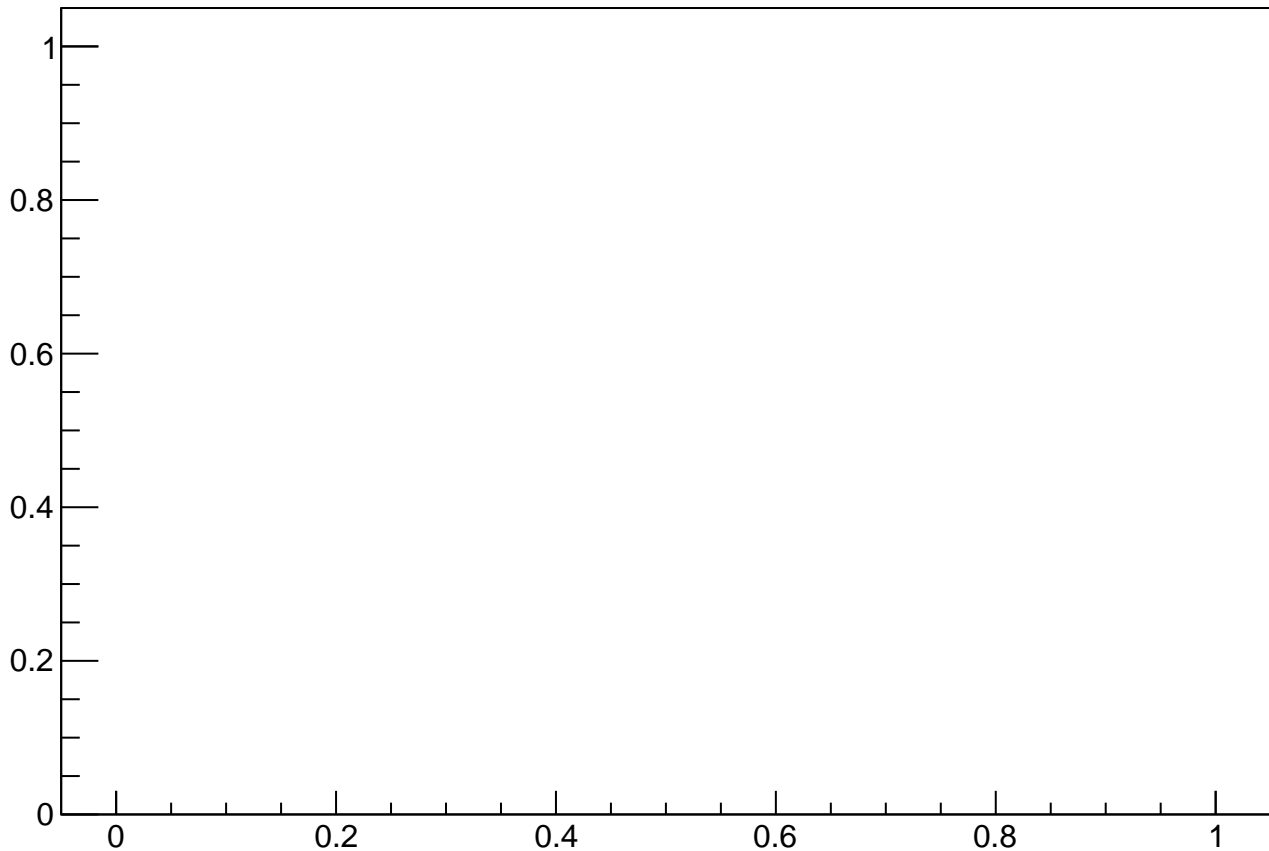
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

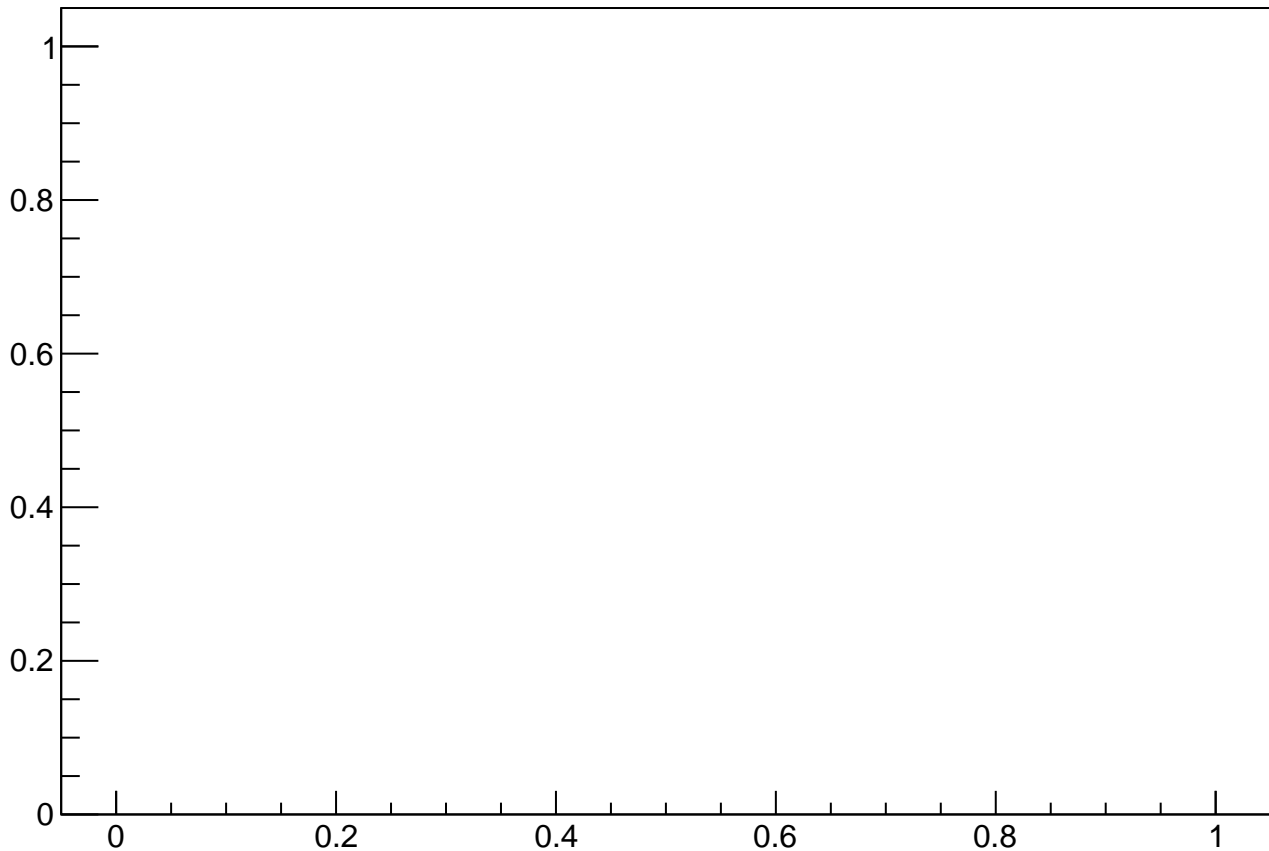
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

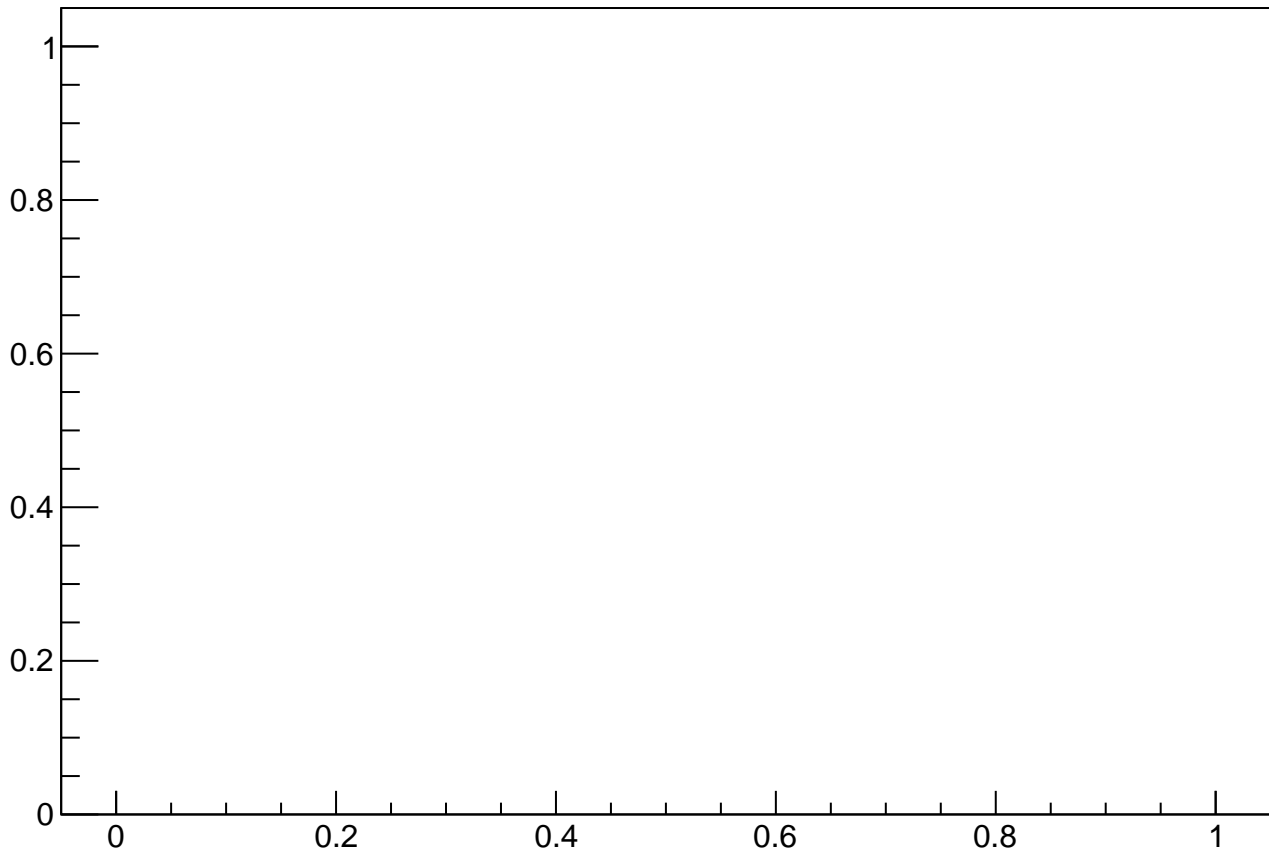
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl1\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

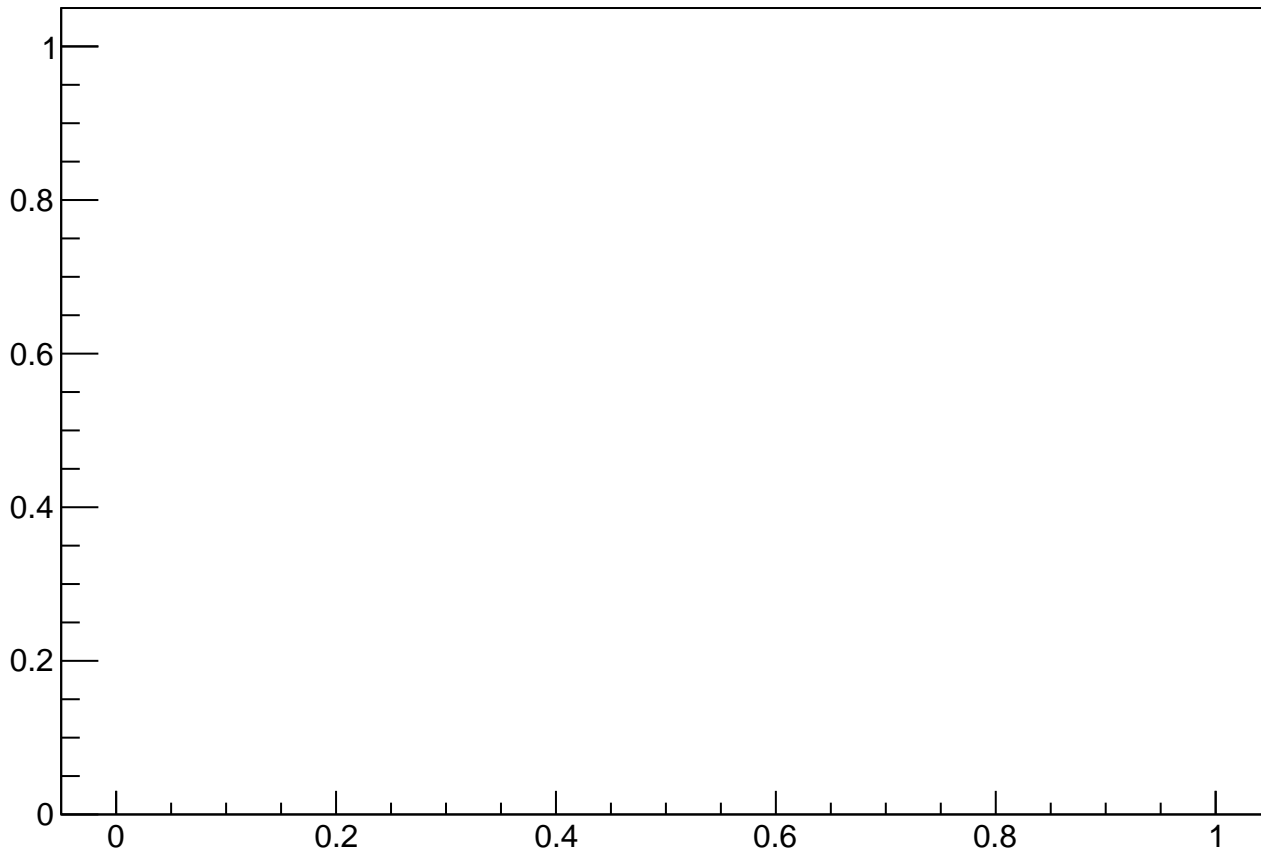
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

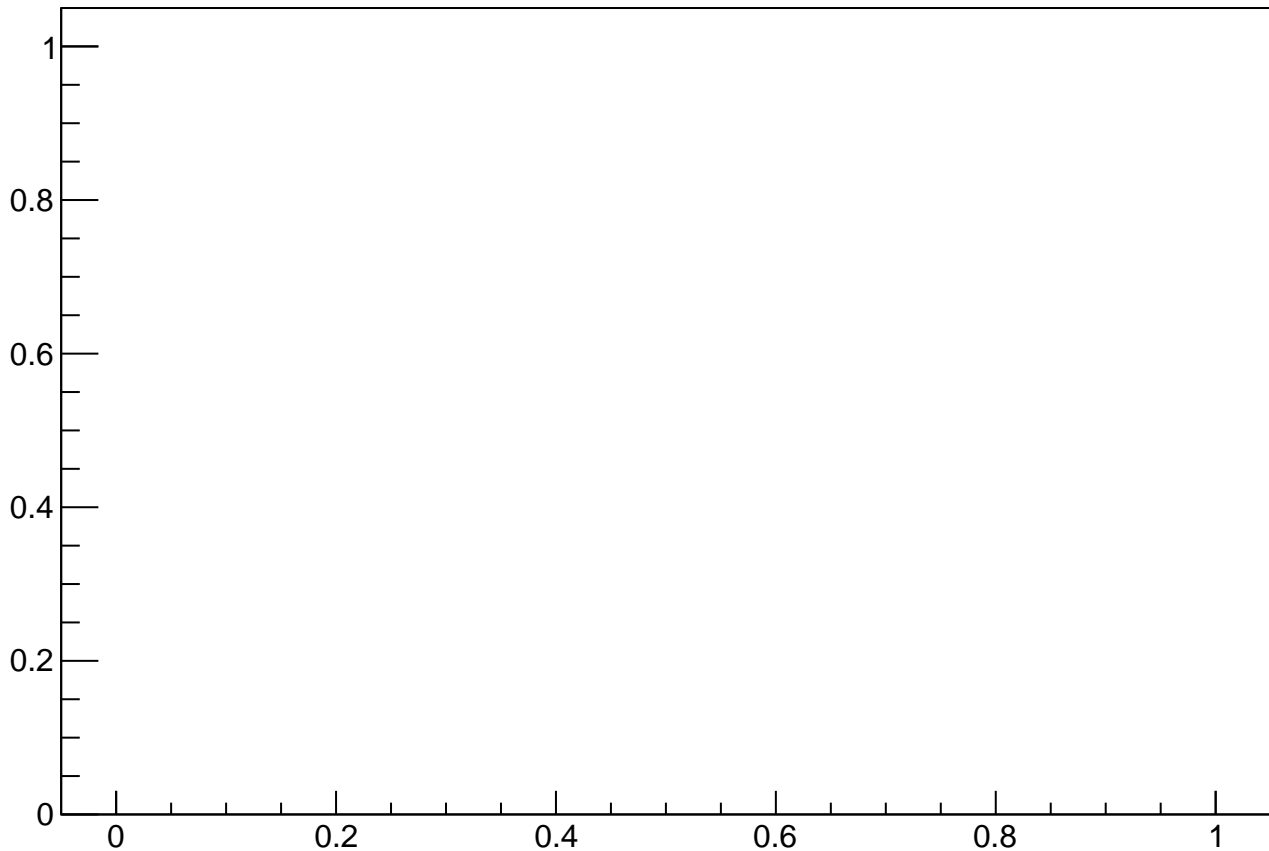
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

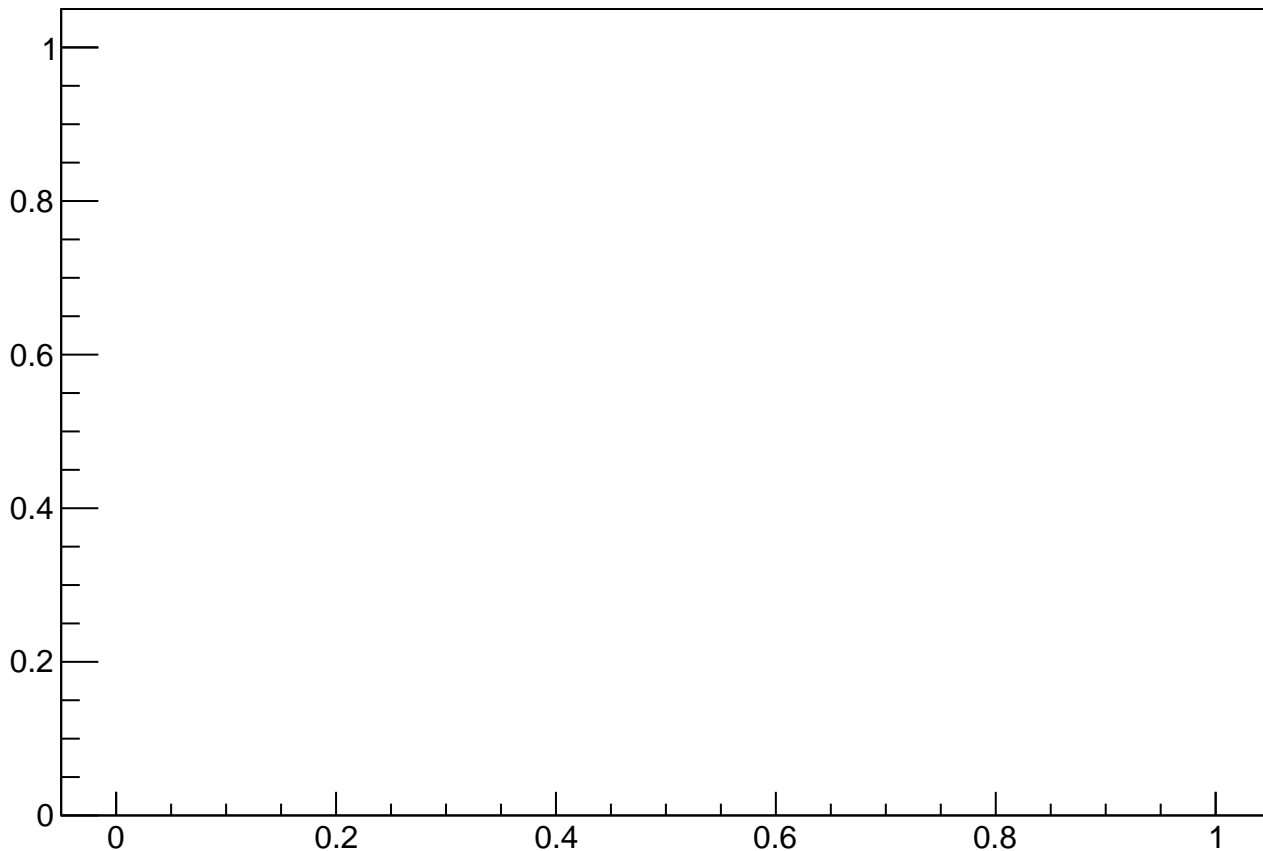
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

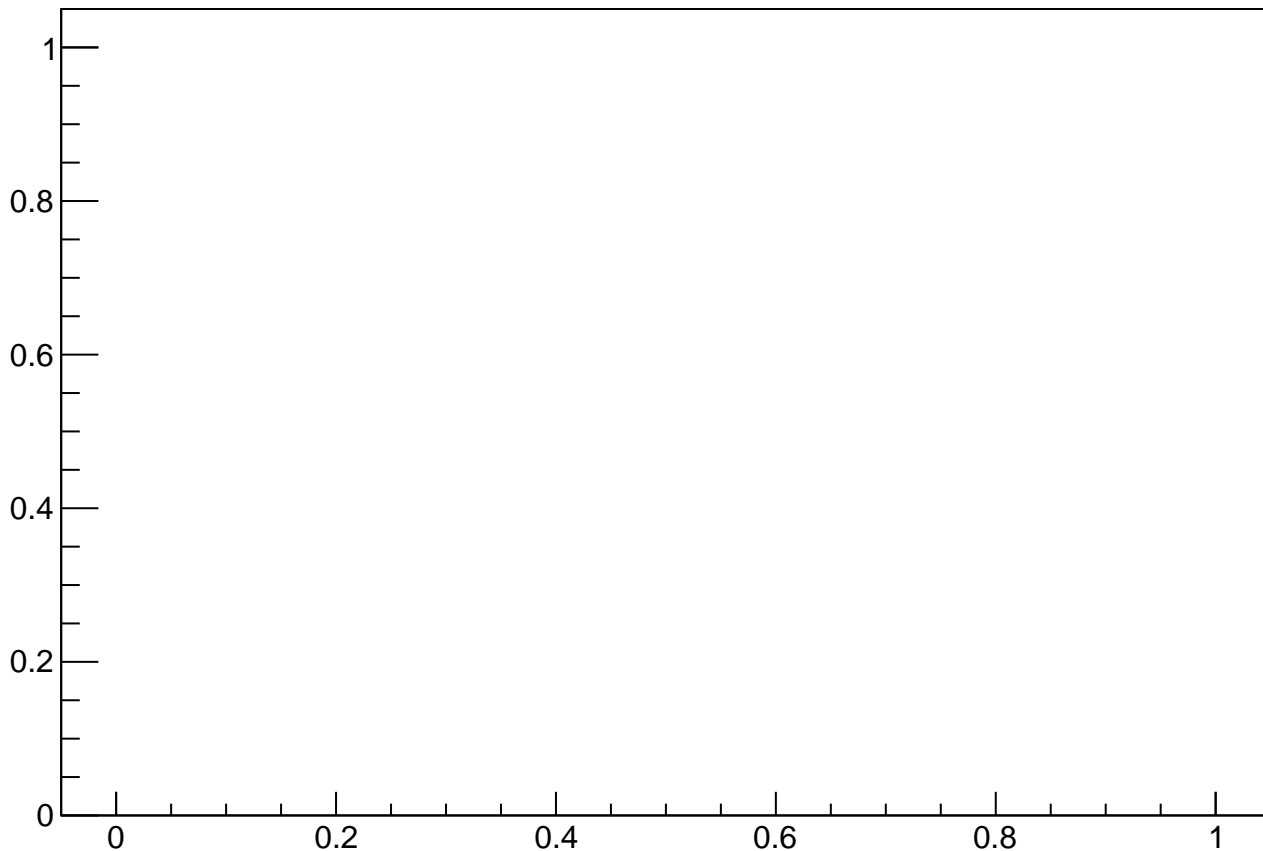
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_atr2\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

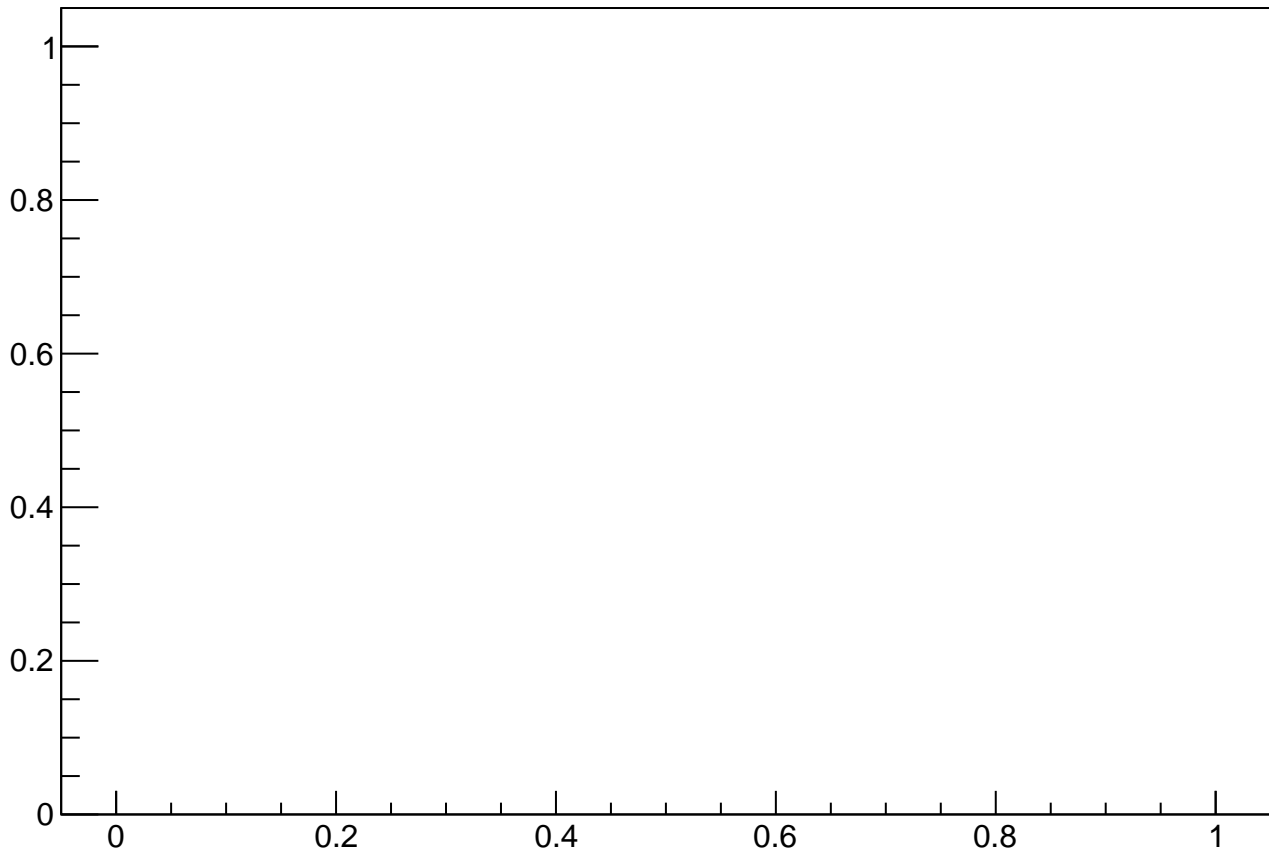
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

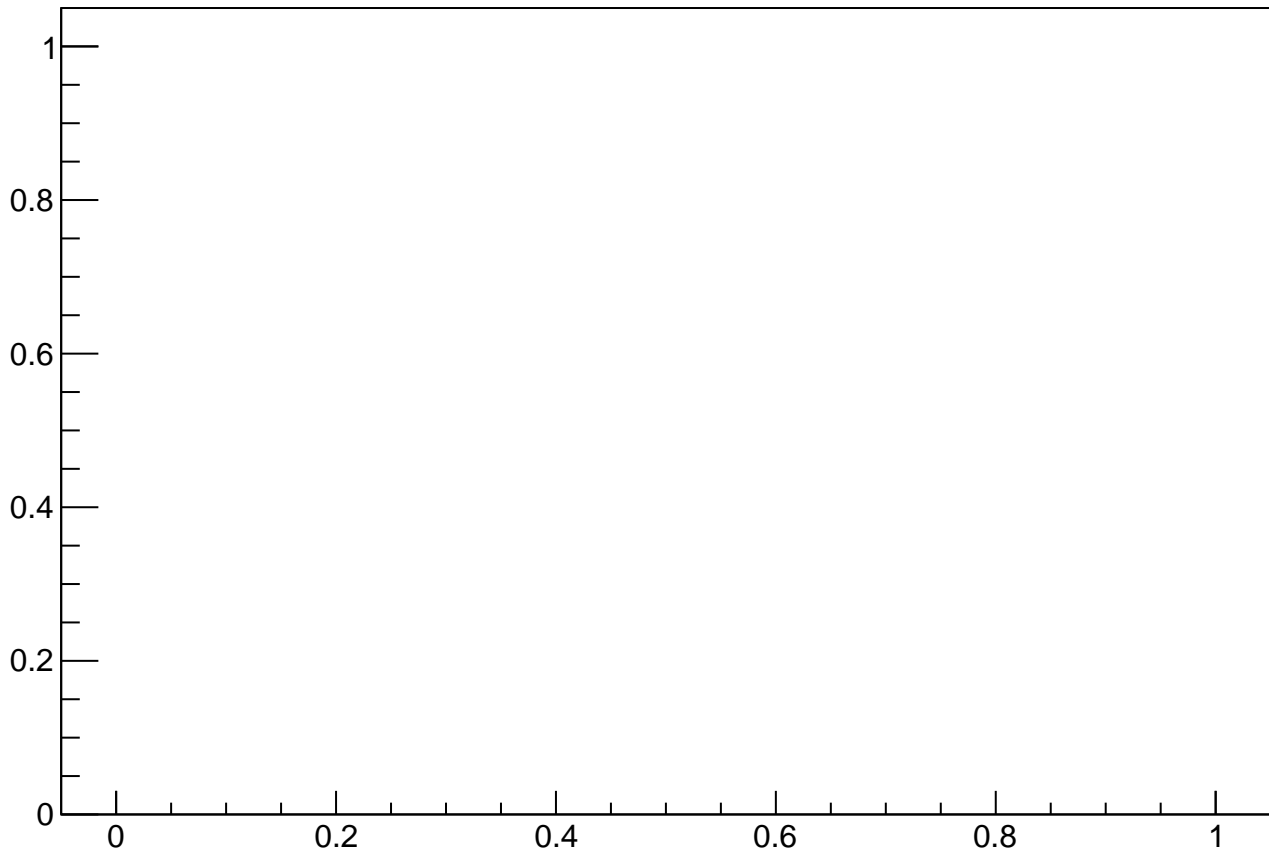
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam2\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

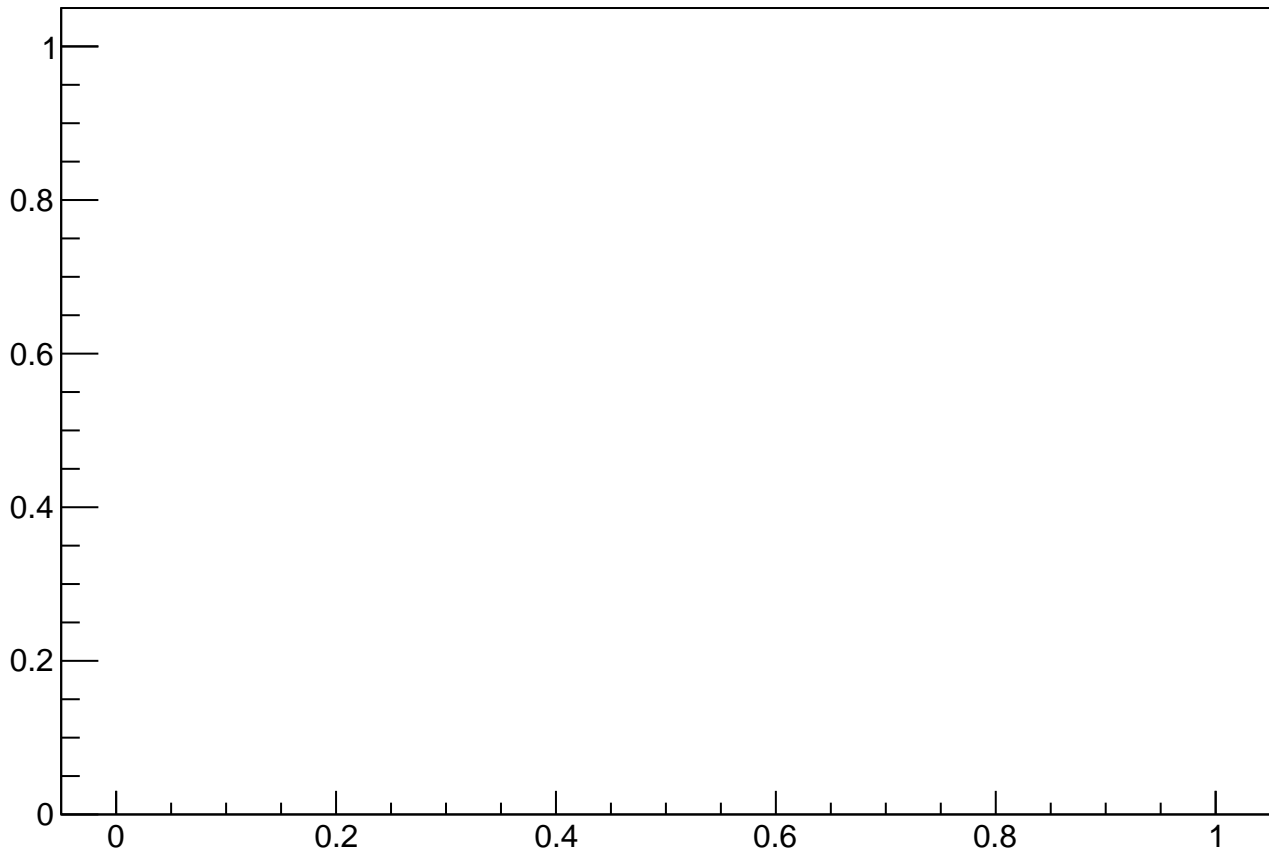
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

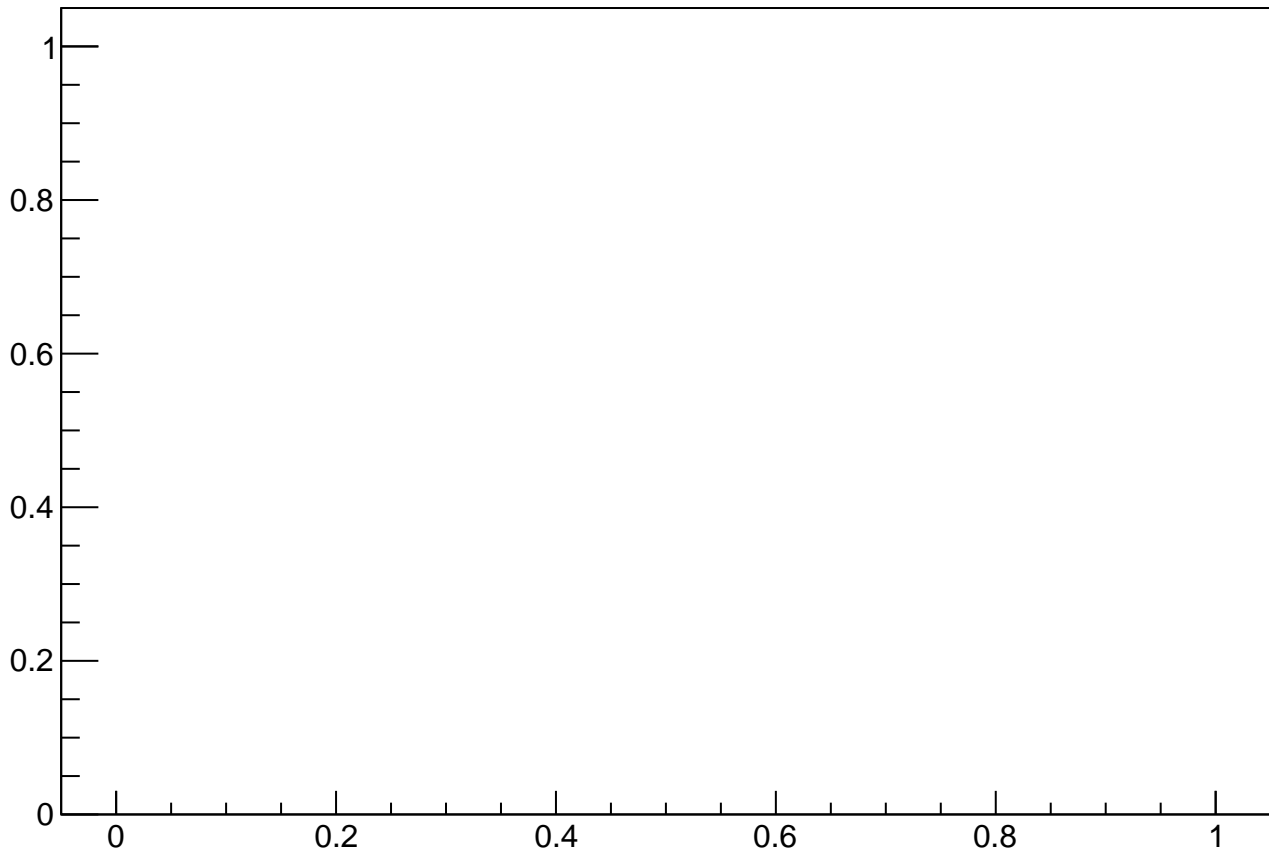
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam5\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

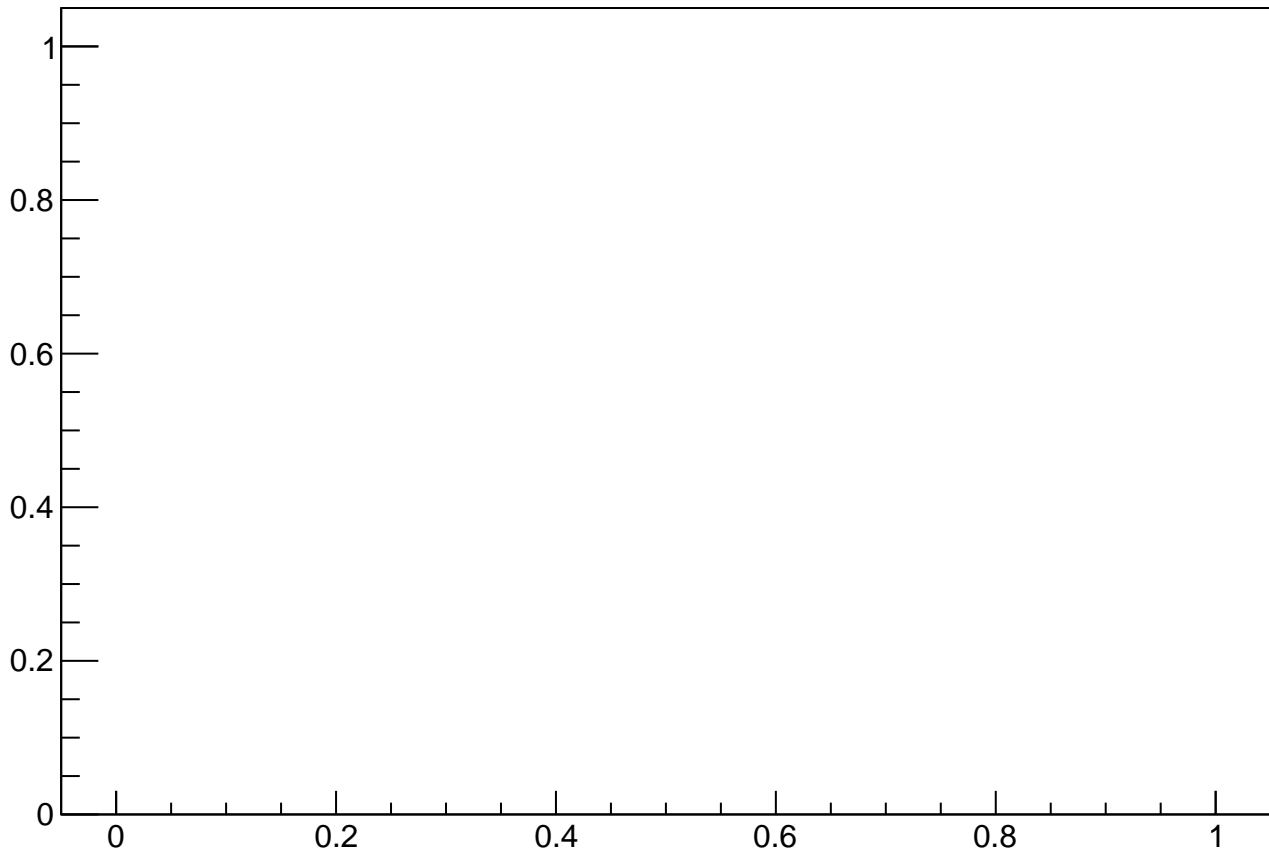
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

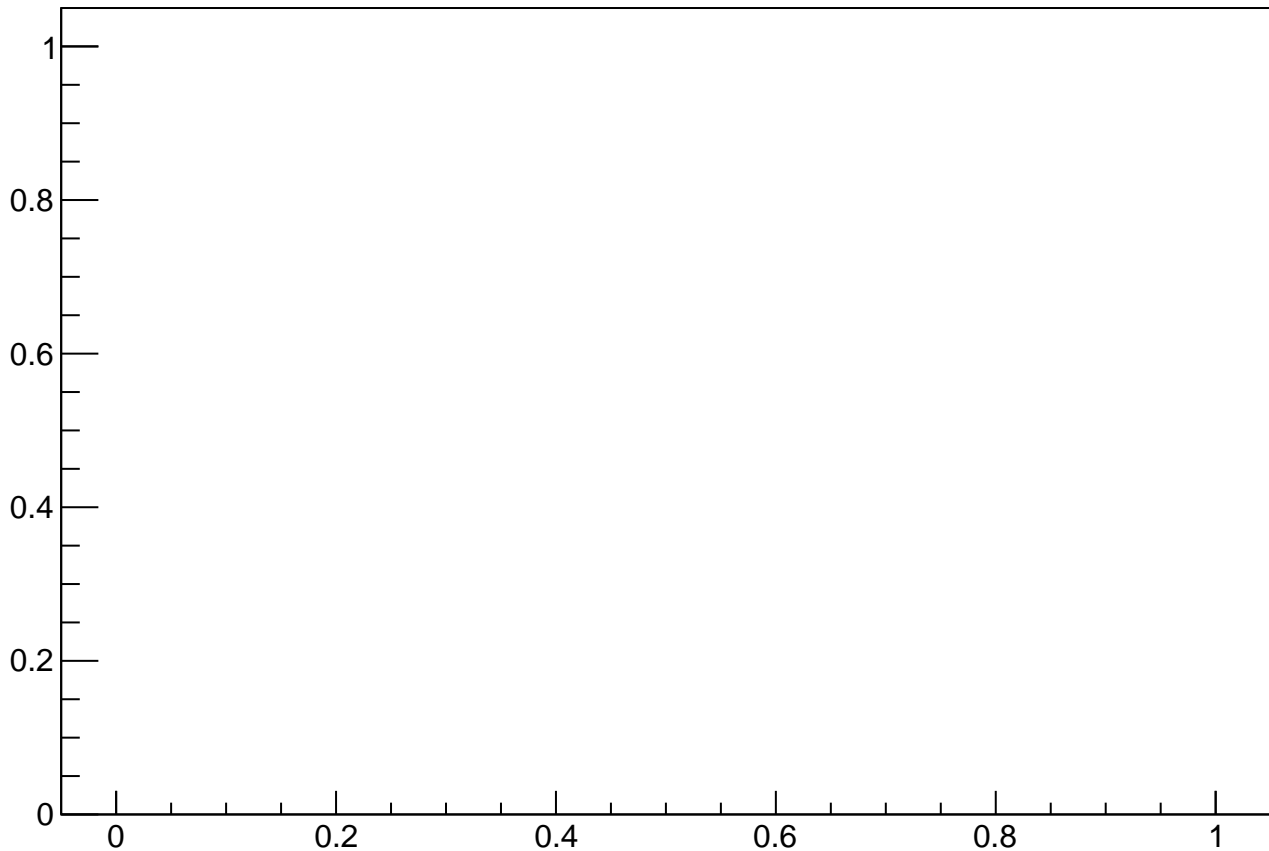
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

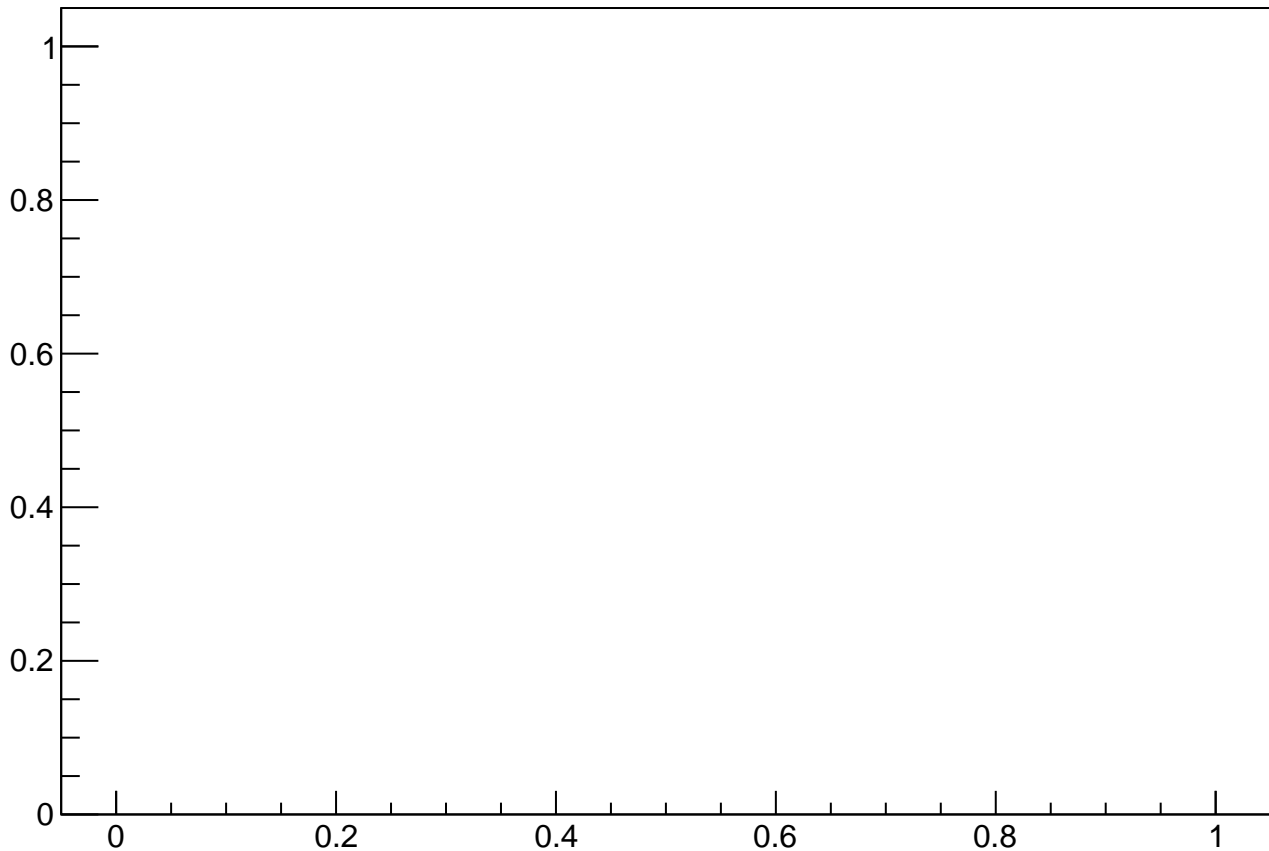
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam8\_coil6\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil6\_err\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil6\_Ndata\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_run\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_run\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

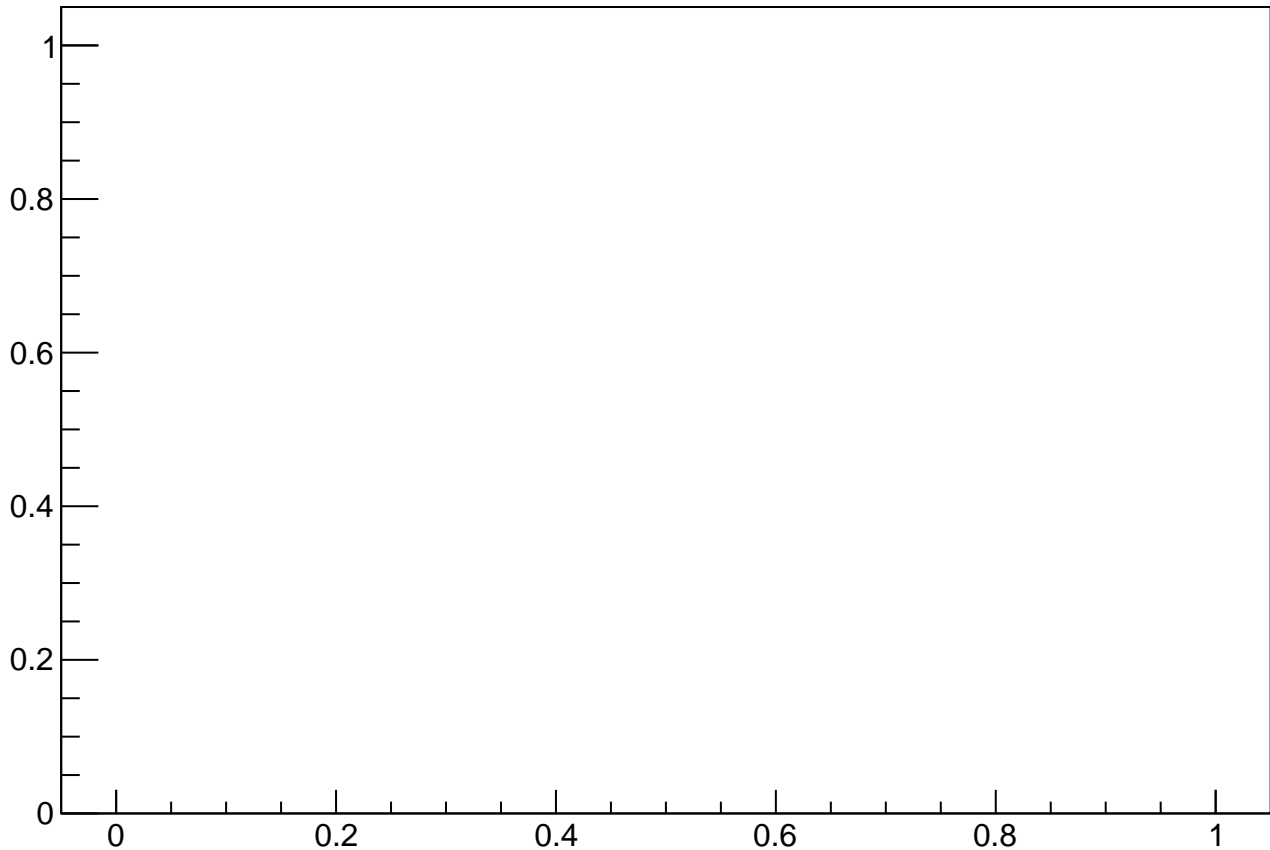
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_slug\_slope vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_cyclenum\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

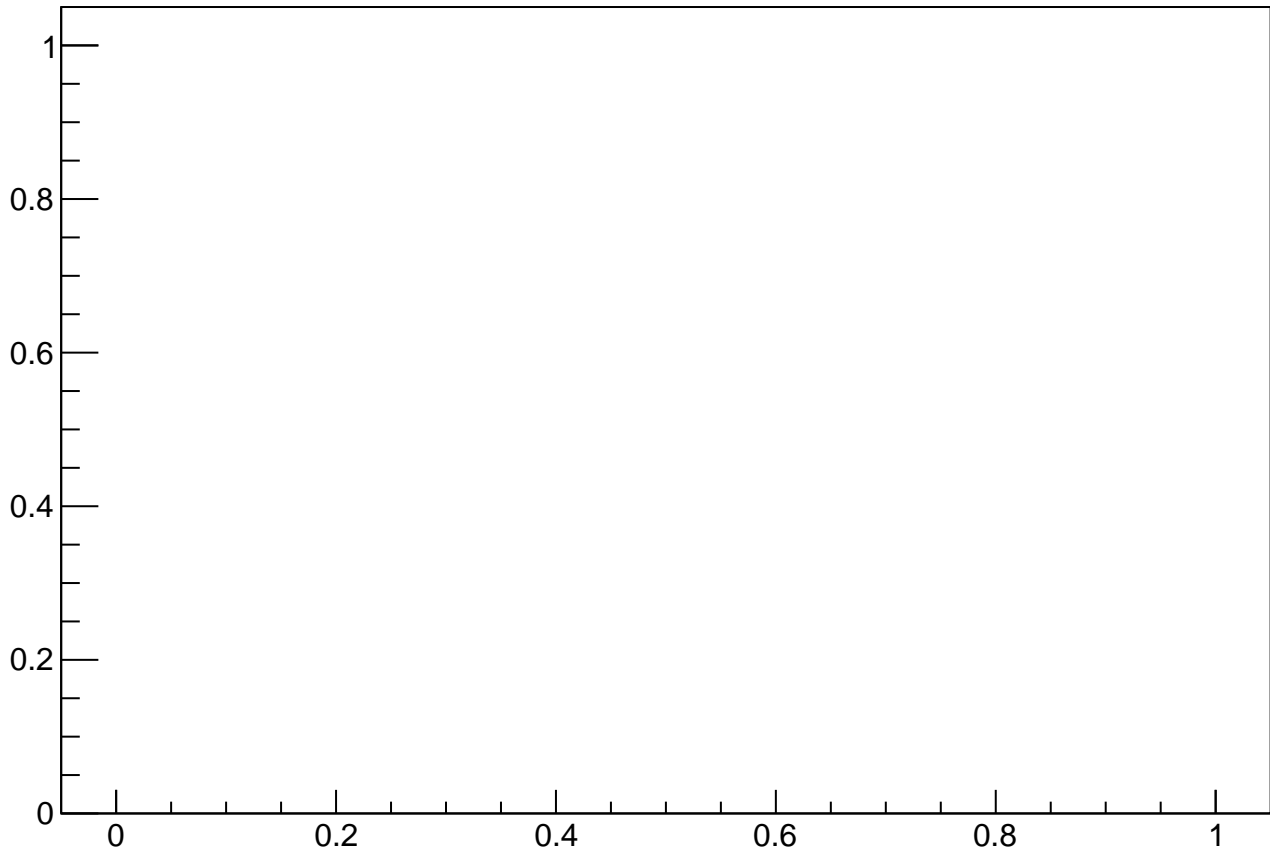
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_cyclenum\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_scandata1\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

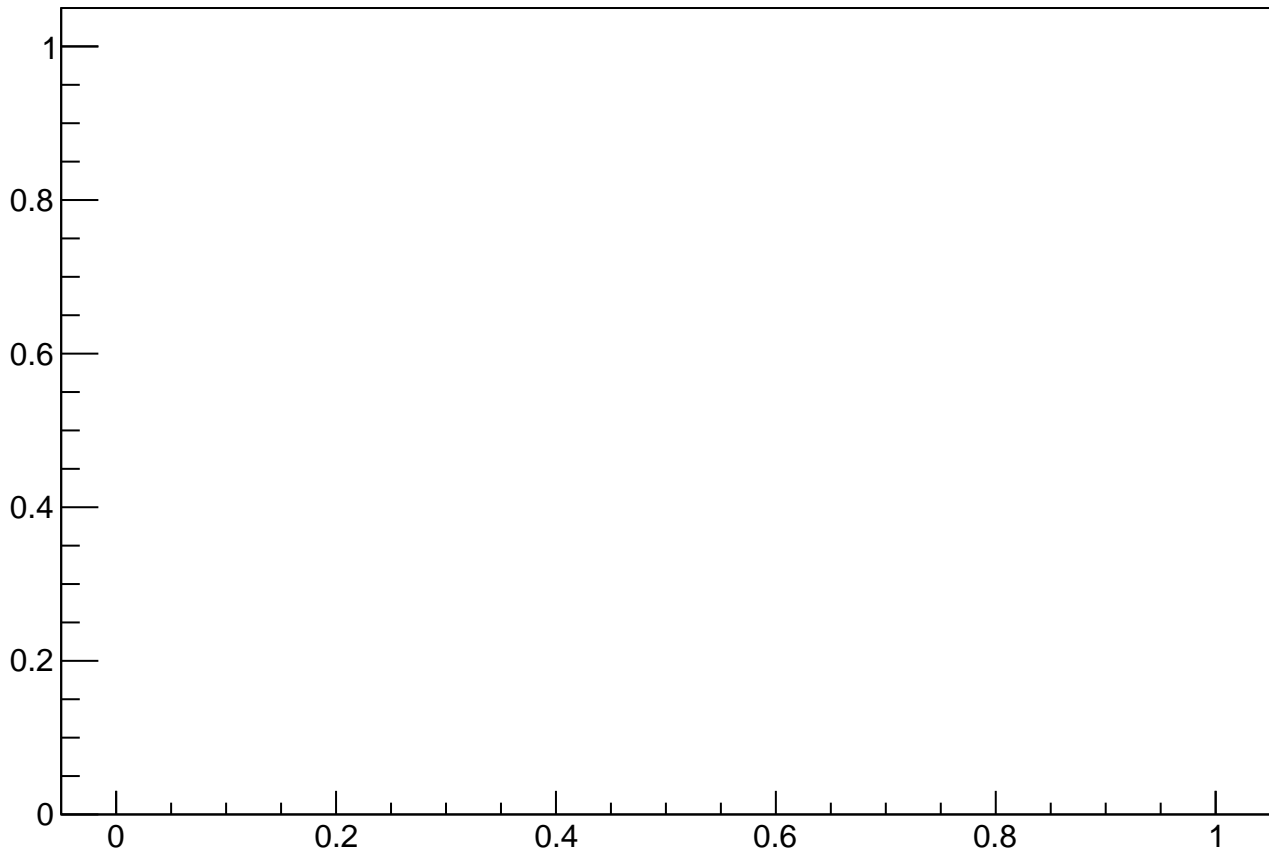
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata1\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_mean vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_rms vs Slug



Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

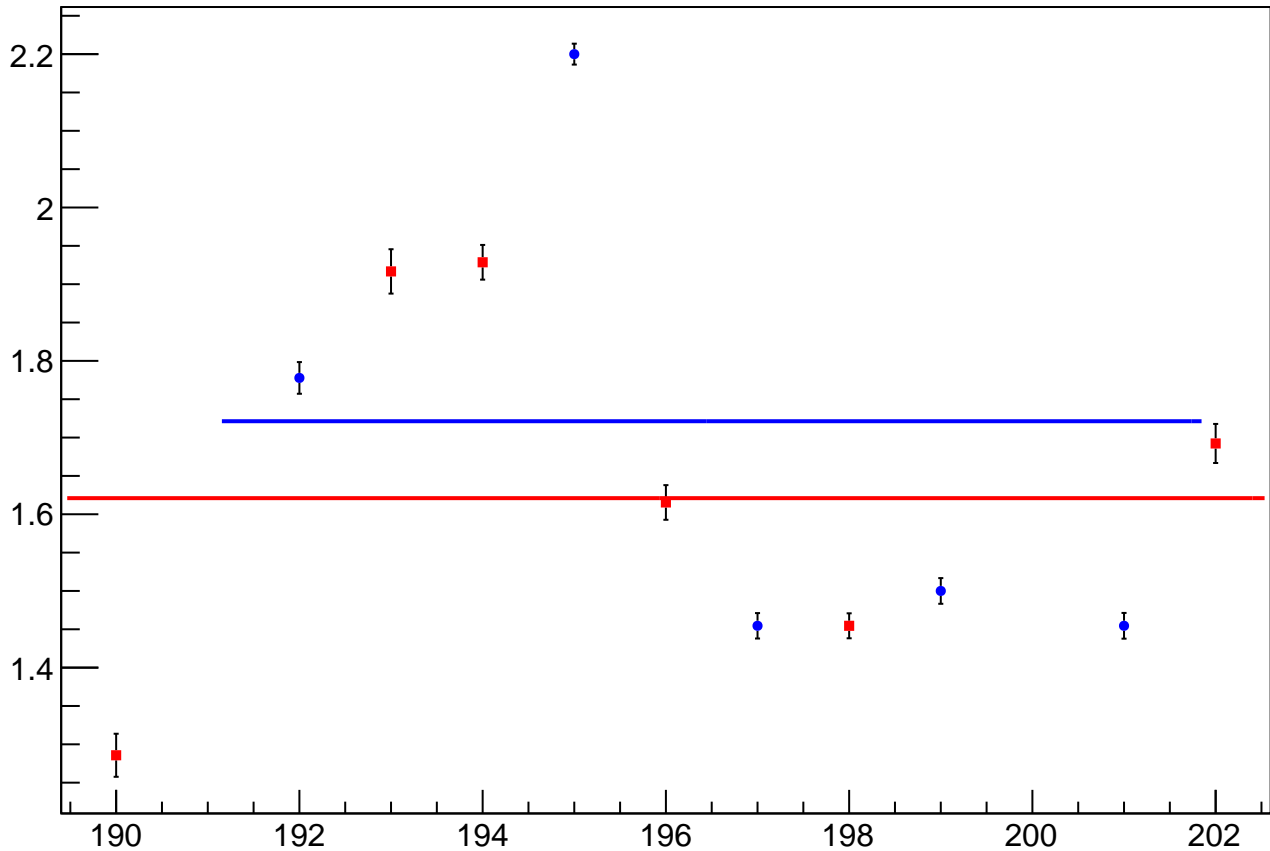
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_segment\_slope vs Slug



Right In: 1.721+/-0.007  $\chi^2/\text{NDF}$ : 1925.0/4

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.621+/-0.009  $\chi^2/\text{NDF}$ : 544.4/5

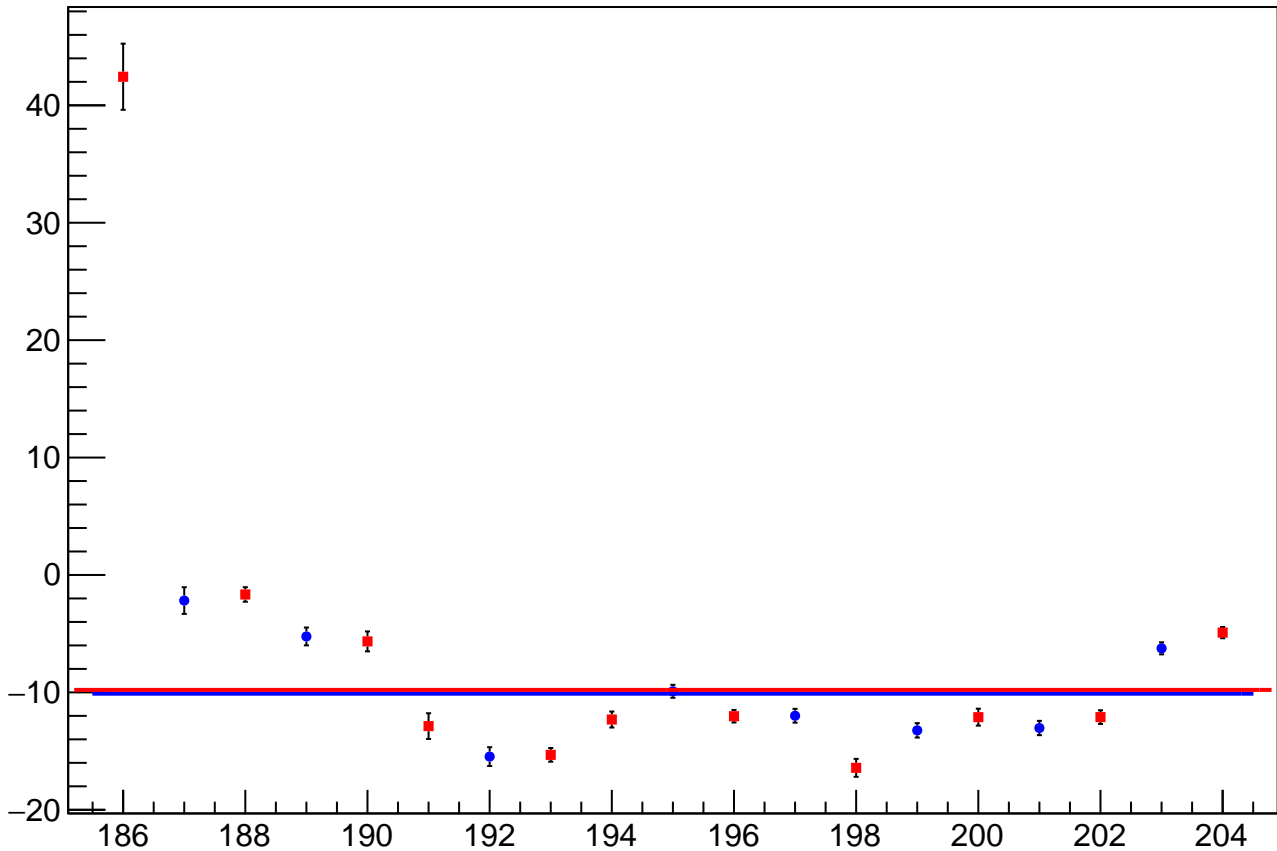
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.682+/-0.006  $\chi^2/\text{NDF}$ : 2541.3/10

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam1\_diff\_bpm1X\_slope vs Slug



Right In:  $-10.111 \pm 0.227$   $\chi^2/\text{NDF}: 250.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-9.787 \pm 0.202$   $\chi^2/\text{NDF}: 874.5/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

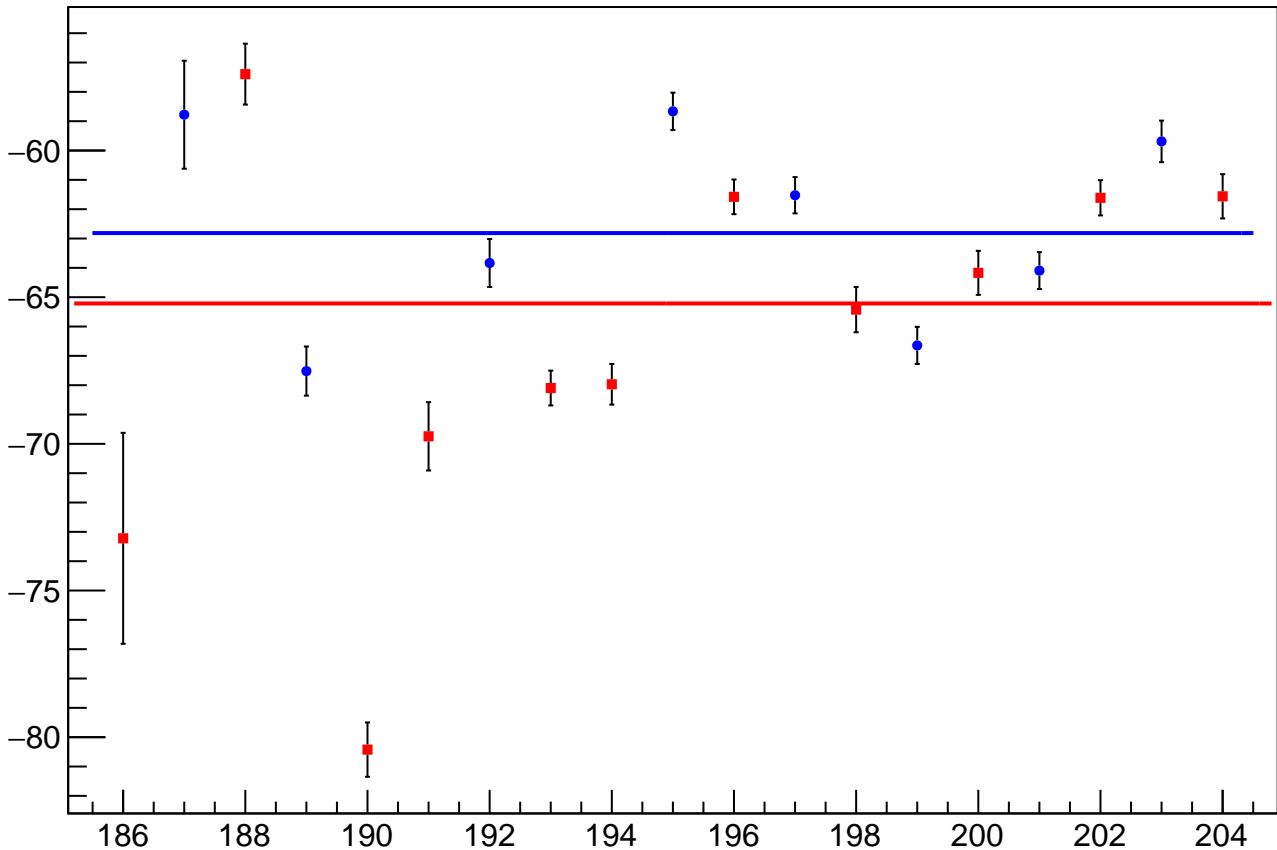
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-9.930 \pm 0.151$   $\chi^2/\text{NDF}: 1126.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug



Right In:  $-62.814 \pm 0.256$   $\chi^2/\text{NDF}: 144.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-65.214 \pm 0.231$   $\chi^2/\text{NDF}: 485.1/10$

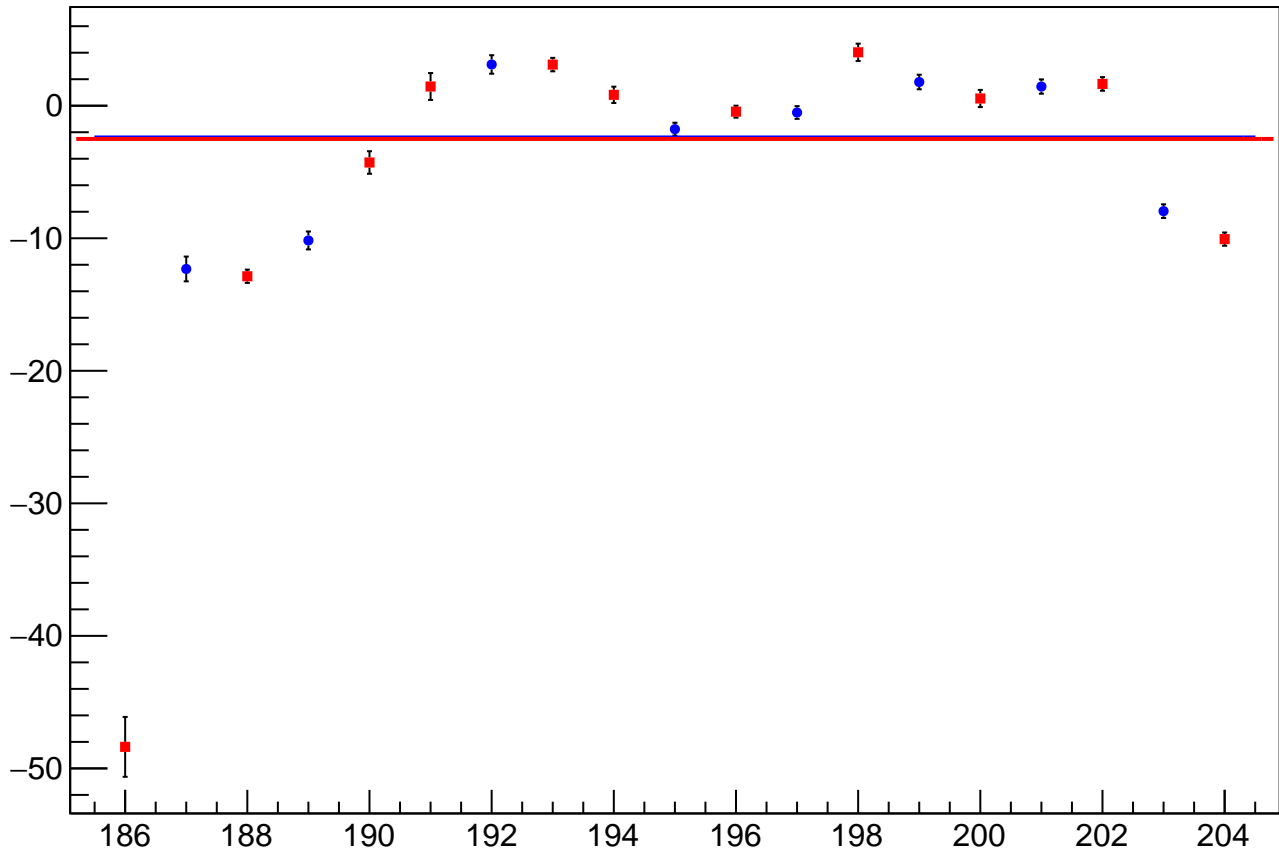
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-64.133 \pm 0.172$   $\chi^2/\text{NDF}: 678.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug



Right In:  $-2.397 \pm 0.202$   $\chi^2/\text{NDF}: 548.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-2.506 \pm 0.181$   $\chi^2/\text{NDF}: 1446.4/10$

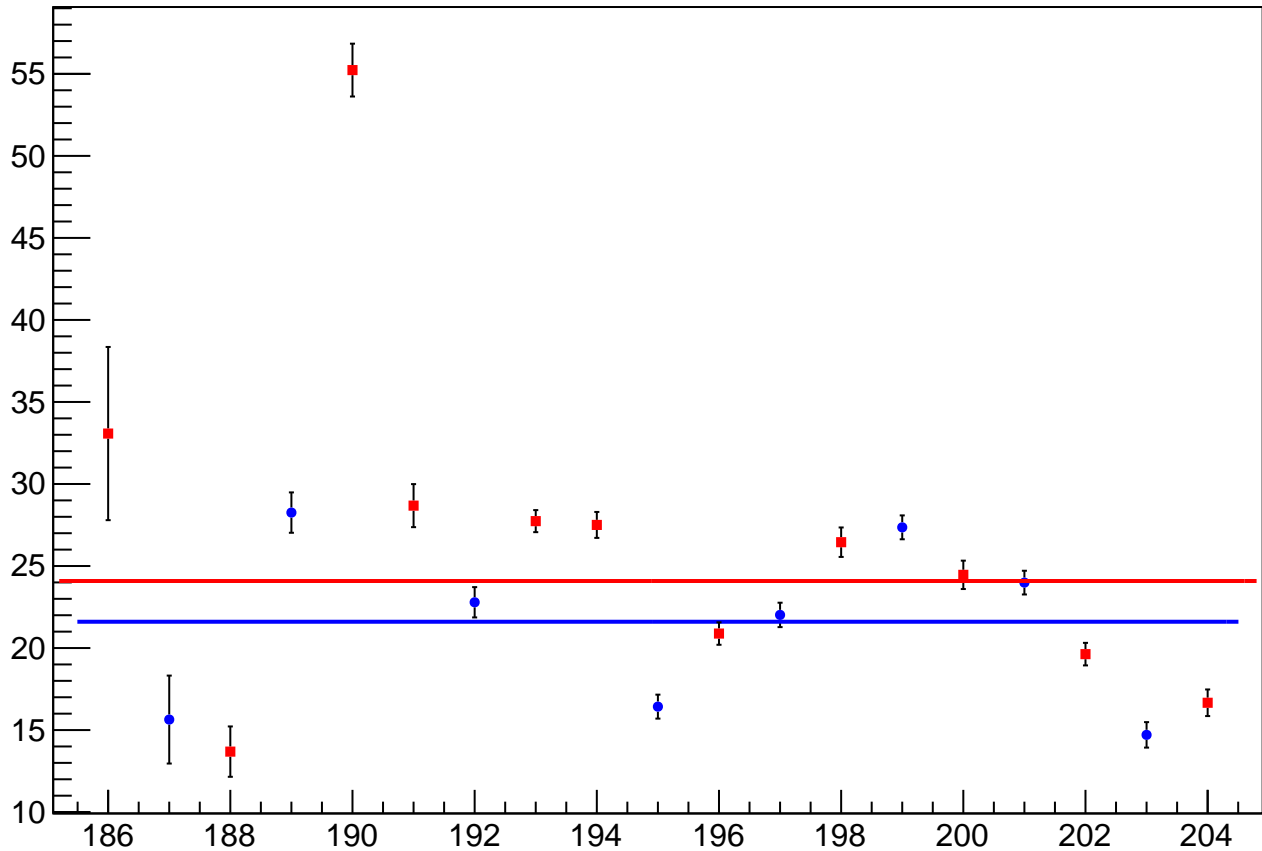
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-2.457 \pm 0.135$   $\chi^2/\text{NDF}: 1994.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug



Right In: 21.603+/-0.300  $\chi^2$ /NDF: 238.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 24.087+/-0.271  $\chi^2$ /NDF: 638.0/10

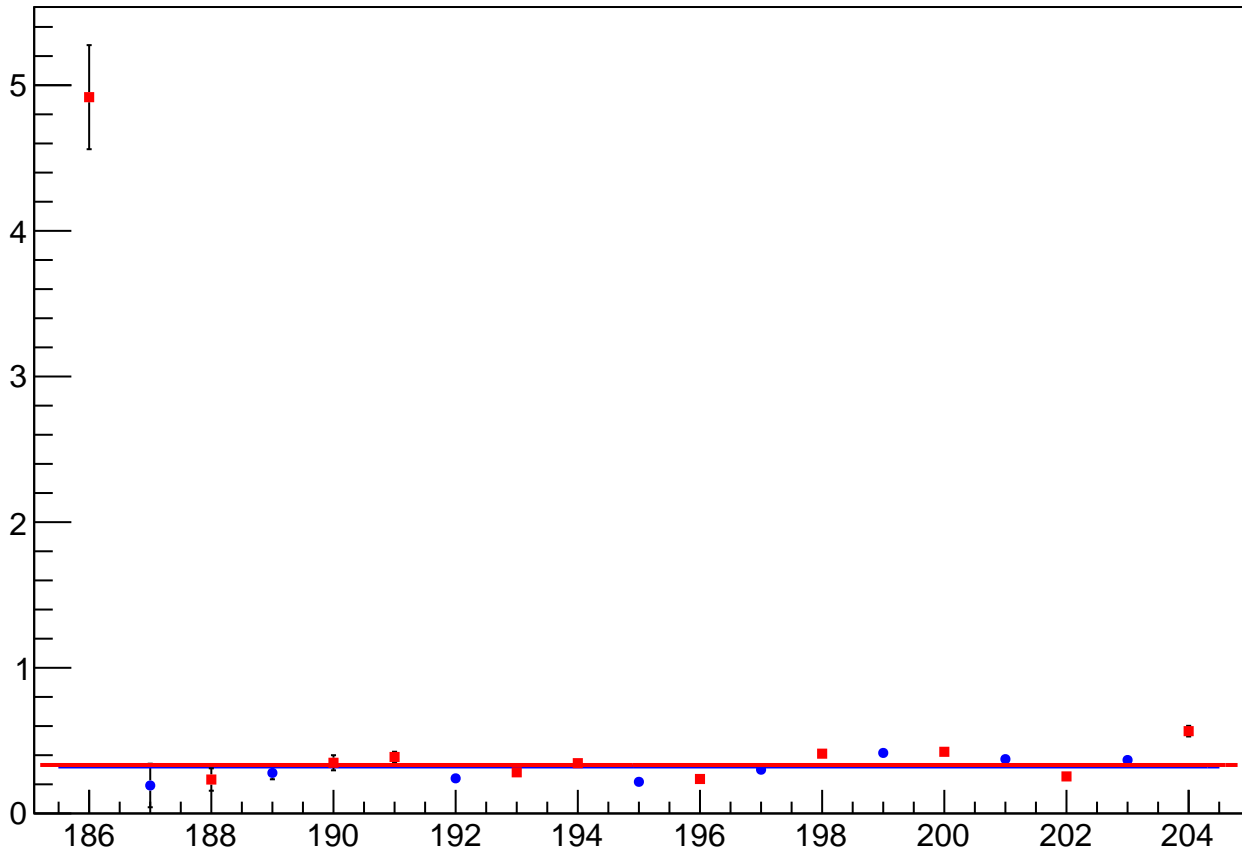
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 22.969+/-0.201  $\chi^2$ /NDF: 914.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug



Right In: 0.323 $\pm$ 0.009  $\chi^2$ /NDF: 62.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.333 $\pm$ 0.008  $\chi^2$ /NDF: 273.5/10

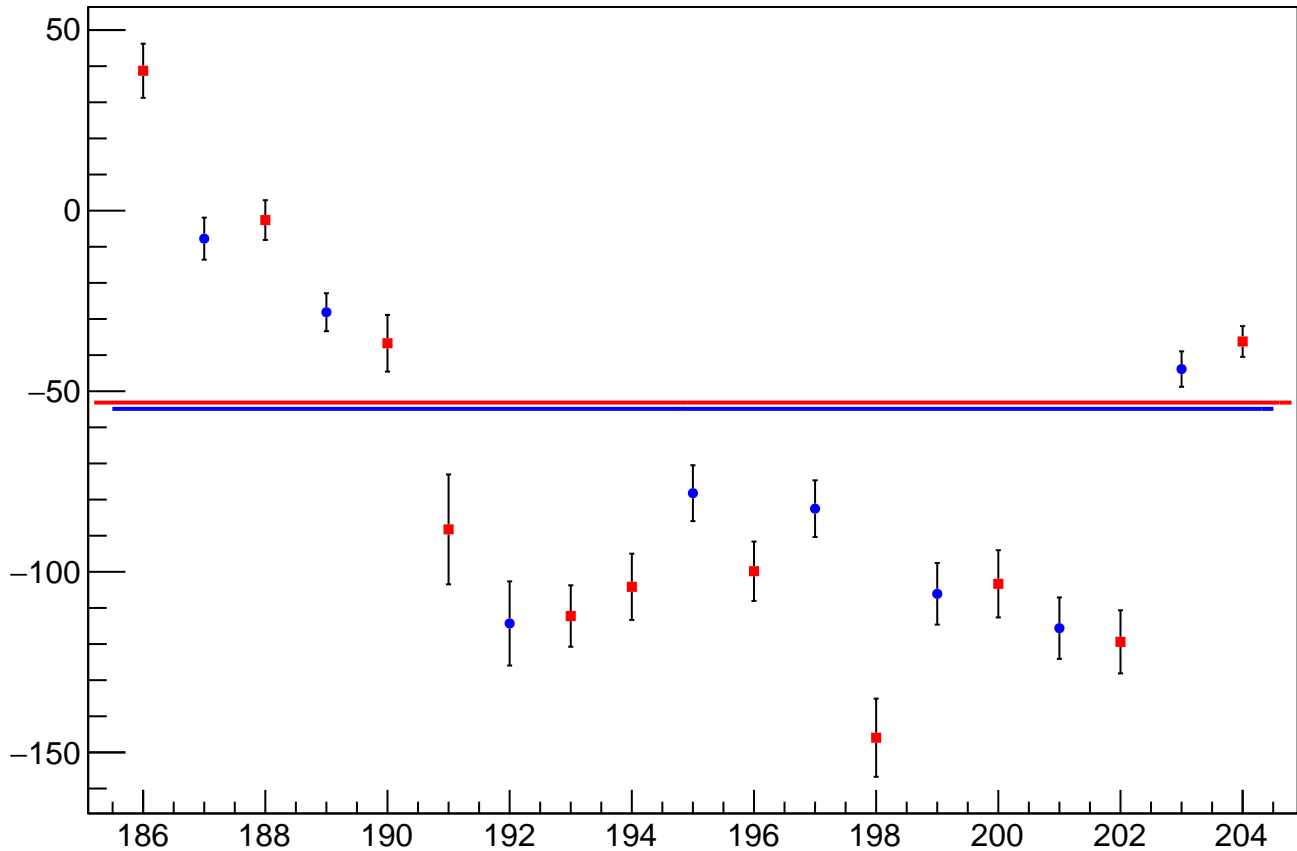
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.328 $\pm$ 0.006  $\chi^2$ /NDF: 336.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam2\_diff\_bpm1X\_slope vs Slug



Right In:  $-54.879 \pm 2.389$   $\chi^2/\text{NDF}: 231.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-53.143 \pm 2.235$   $\chi^2/\text{NDF}: 531.4/10$

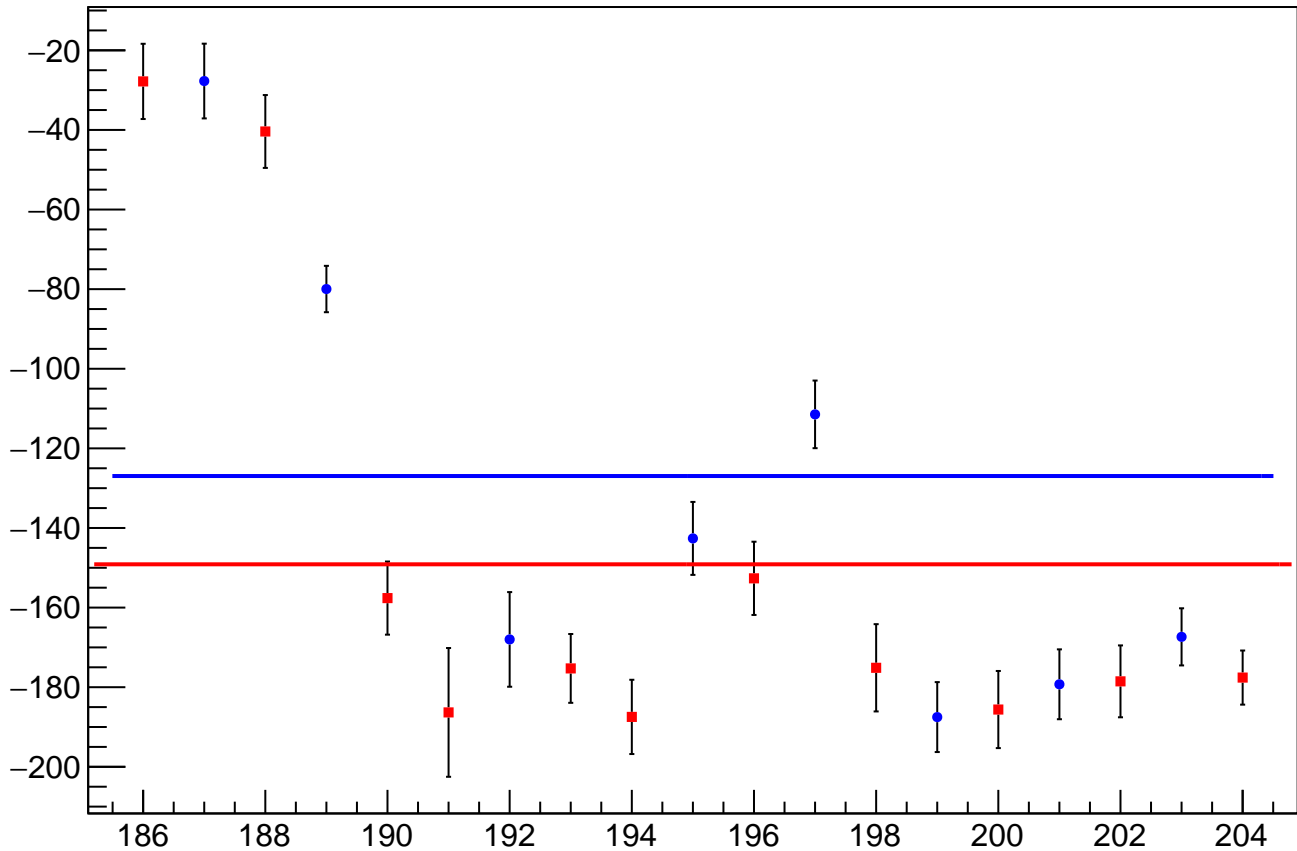
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-53.953 \pm 1.632$   $\chi^2/\text{NDF}: 763.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug



Right In:  $-126.948 \pm 2.899$   $\chi^2/\text{NDF}$ : 309.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-149.127 \pm 2.791$   $\chi^2/\text{NDF}$ : 386.3/10

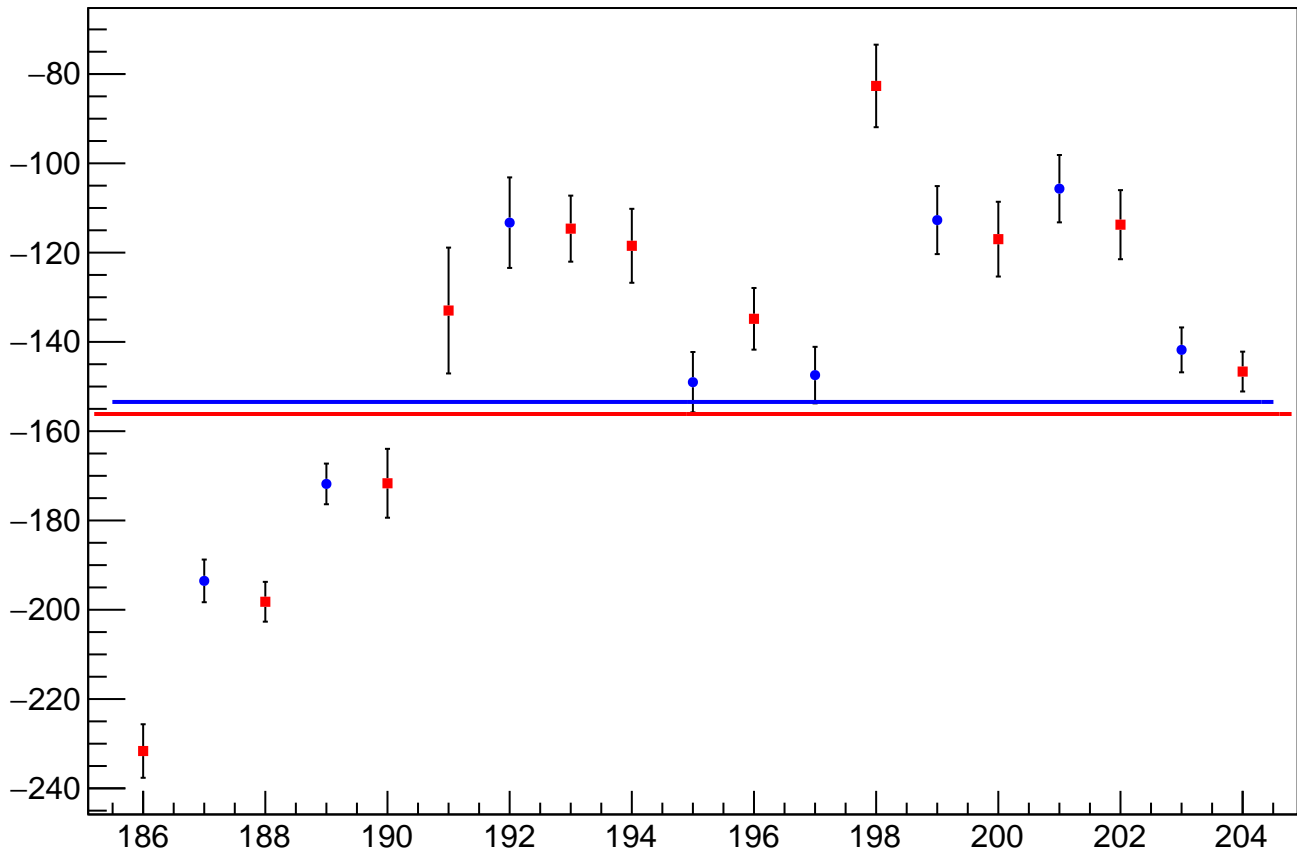
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-138.457 \pm 2.010$   $\chi^2/\text{NDF}$ : 726.3/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug



Right In:  $-153.449 \pm 2.118$   $\chi^2/\text{NDF}$ : 177.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-156.149 \pm 2.013$   $\chi^2/\text{NDF}$ : 435.5/10

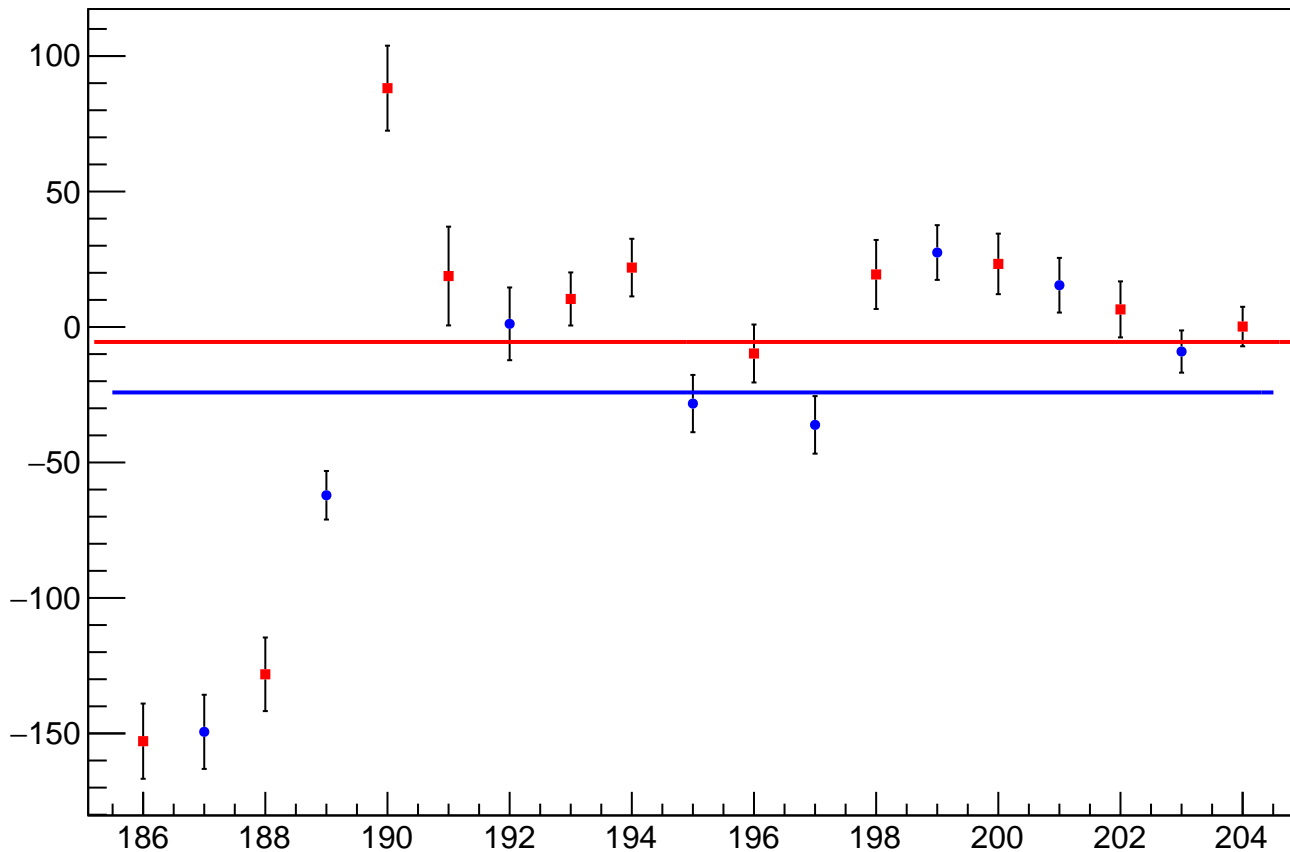
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-154.868 \pm 1.459$   $\chi^2/\text{NDF}$ : 614.1/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug



Right In: -24.153+/-3.598  $\chi^2/\text{NDF}$ : 152.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.522+/-3.370  $\chi^2/\text{NDF}$ : 253.5/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

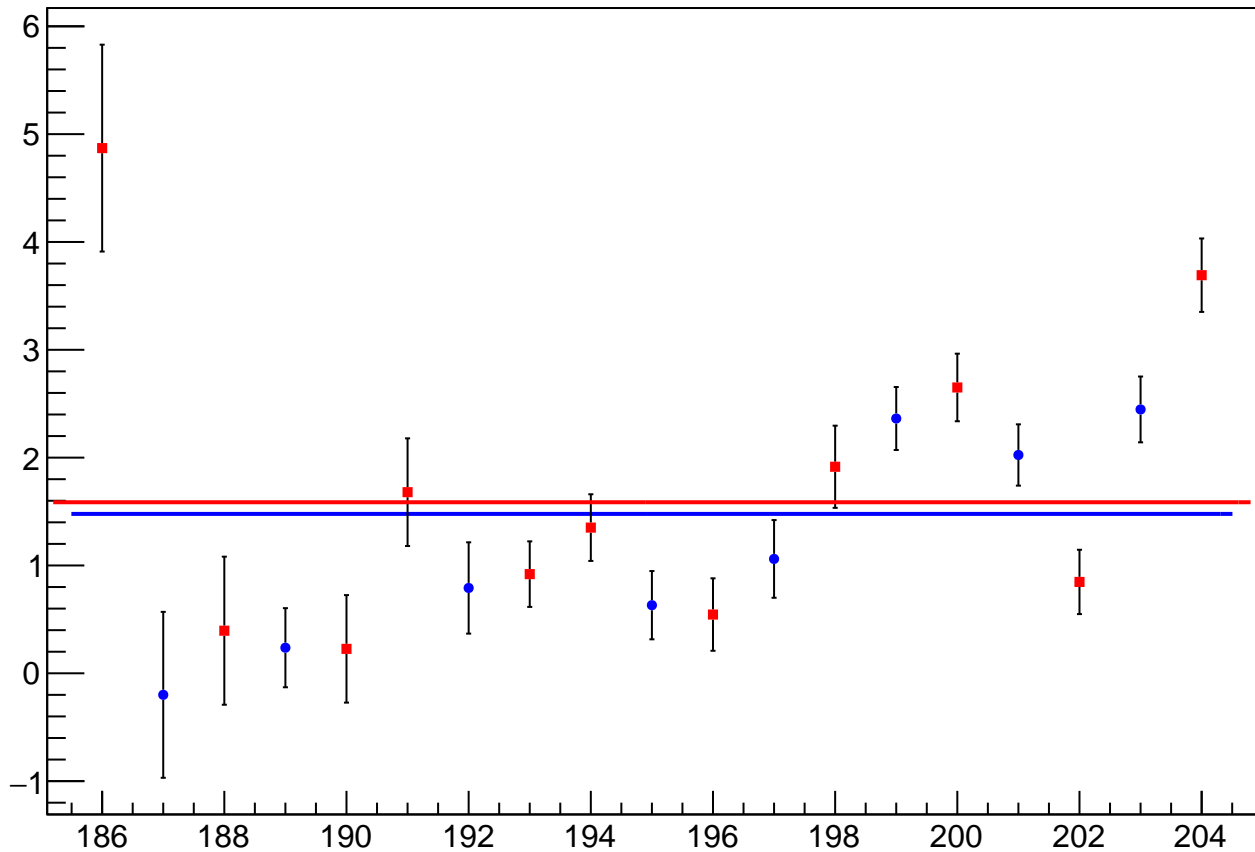
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -14.228+/-2.460  $\chi^2/\text{NDF}$ : 419.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug



Right In: 1.478 $\pm$ 0.122  $\chi^2$ /NDF: 50.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.586 $\pm$ 0.113  $\chi^2$ /NDF: 93.9/10

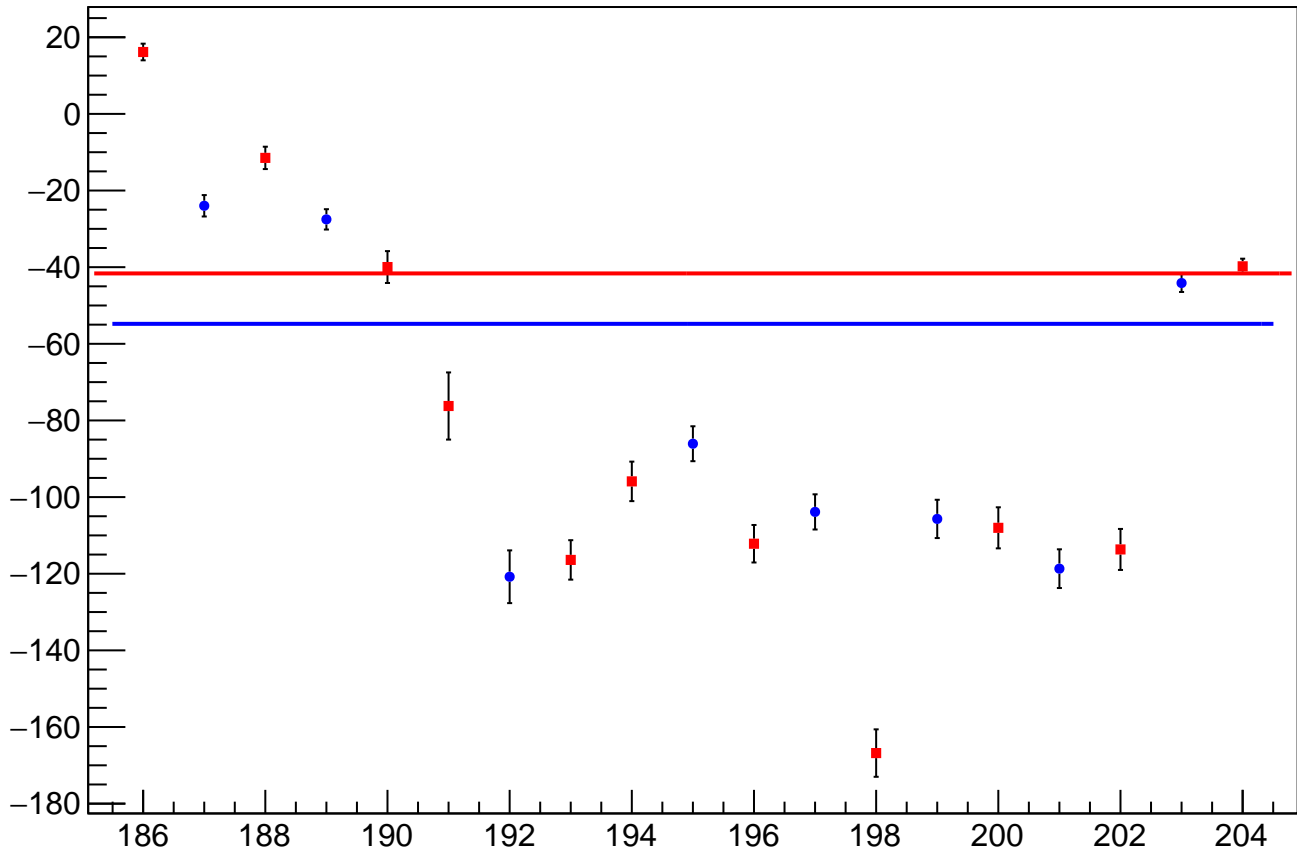
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.536 $\pm$ 0.083  $\chi^2$ /NDF: 144.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam3\_diff\_bpm1X\_slope vs Slug



Right In:  $-54.789 \pm 1.241$   $\chi^2/\text{NDF}$ : 765.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-41.631 \pm 1.075$   $\chi^2/\text{NDF}$ : 2104.1/10

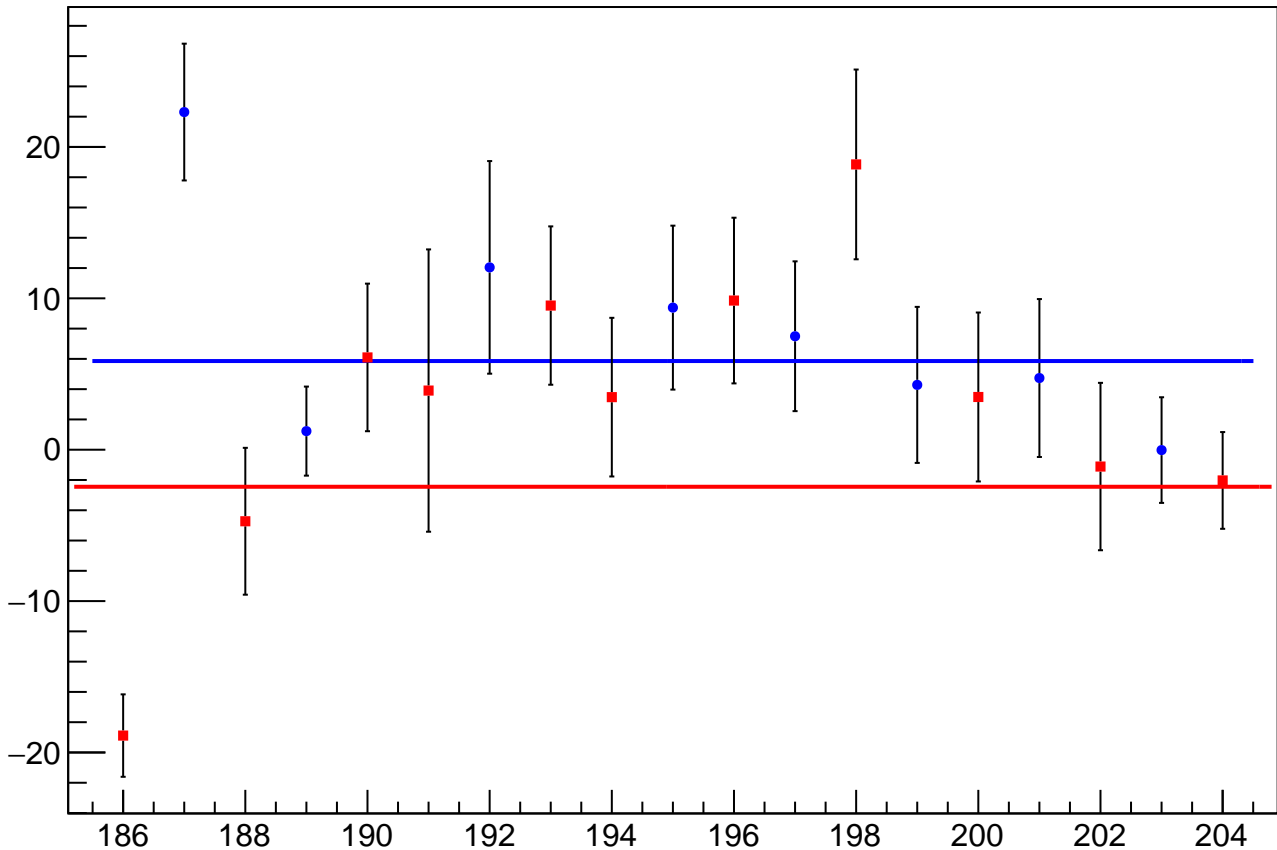
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-47.268 \pm 0.812$   $\chi^2/\text{NDF}$ : 2933.4/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug



Right In: 5.858 $\pm$ 1.550  $\chi^2$ /NDF: 20.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2.447 $\pm$ 1.379  $\chi^2$ /NDF: 64.5/10

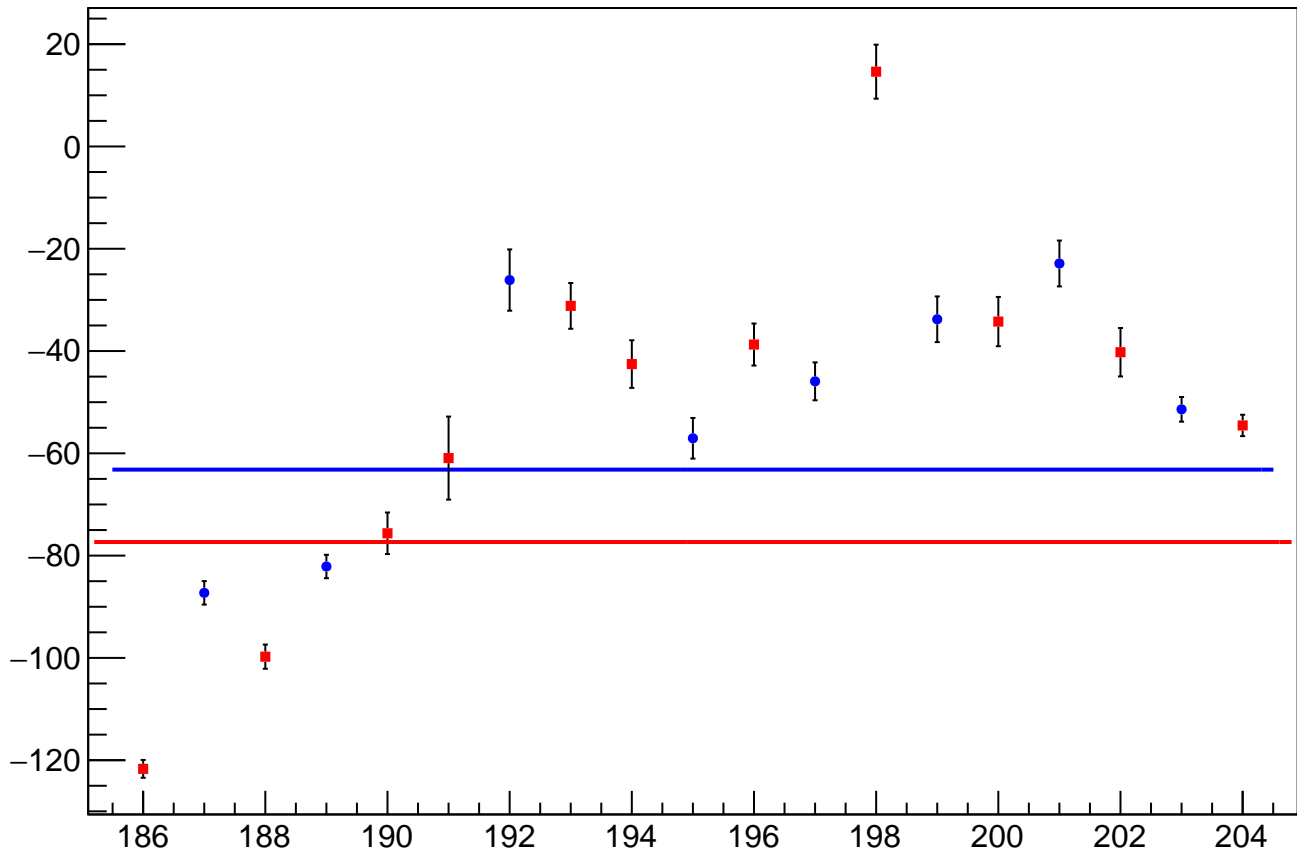
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.224 $\pm$ 1.030  $\chi^2$ /NDF: 100.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug



Right In:  $-63.185 \pm 1.106$   $\chi^2/\text{NDF}: 389.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-77.340 \pm 0.957$   $\chi^2/\text{NDF}: 1554.7/10$

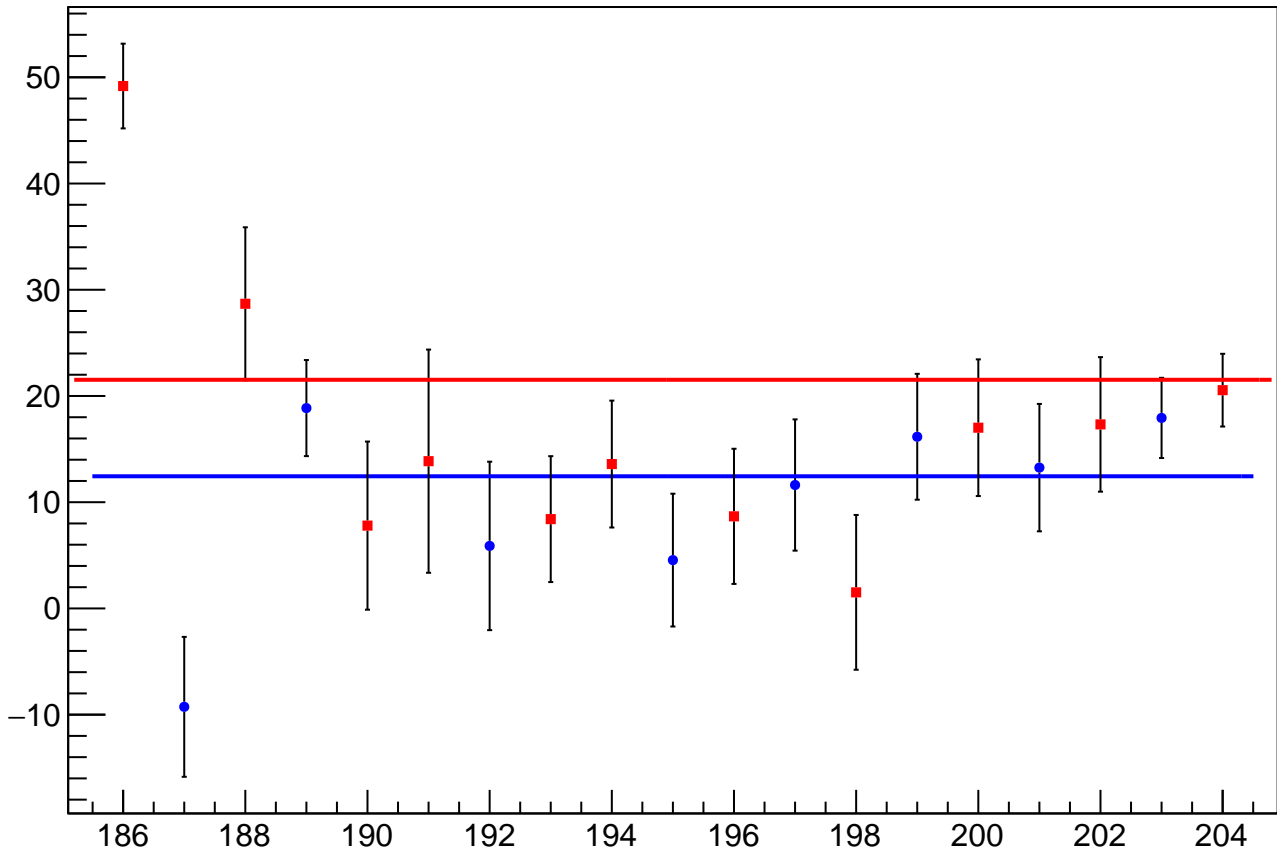
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-71.278 \pm 0.724$   $\chi^2/\text{NDF}: 2037.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug



Right In: 12.441 $\pm$ 1.938  $\chi^2$ /NDF: 17.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 21.525 $\pm$ 1.711  $\chi^2$ /NDF: 71.9/10

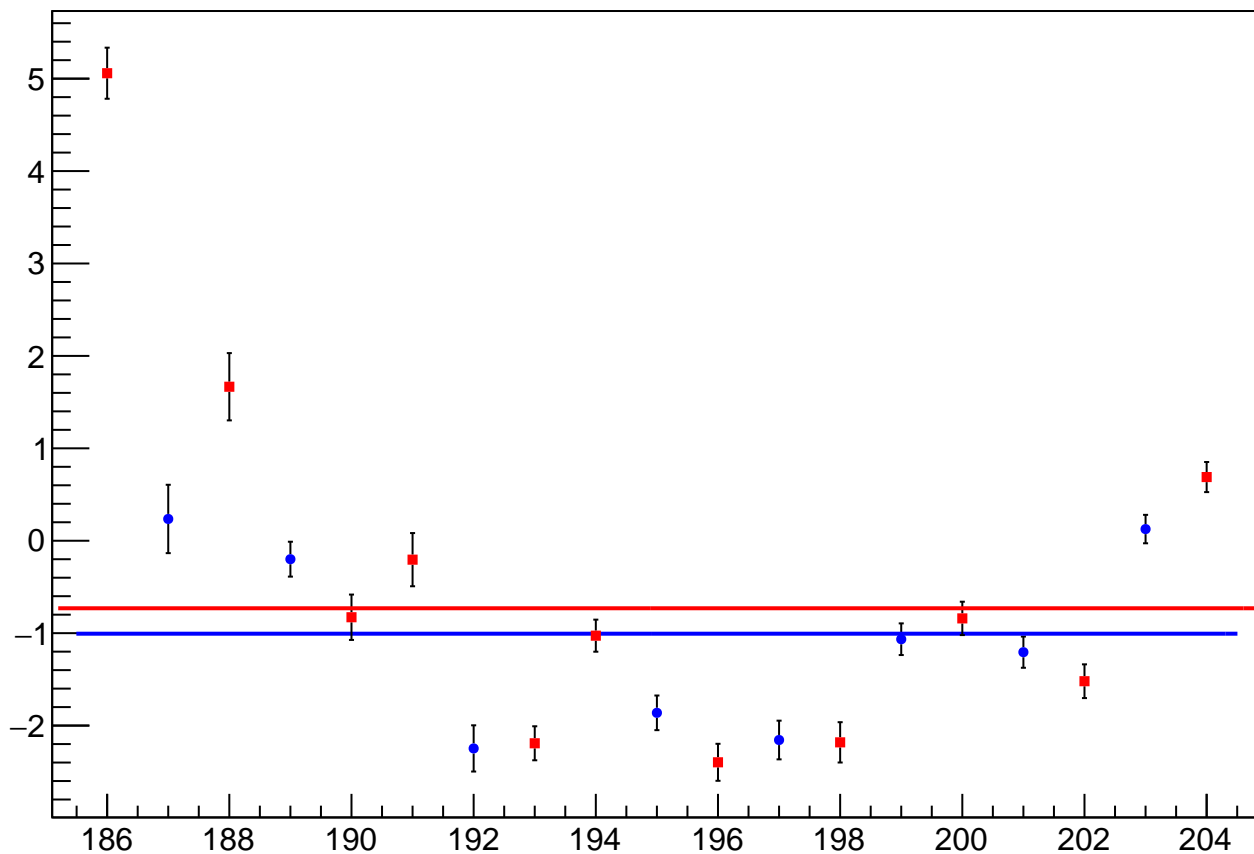
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.548 $\pm$ 1.283  $\chi^2$ /NDF: 102.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.006 \pm 0.068$   $\chi^2/\text{NDF}$ : 160.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.731 \pm 0.062$   $\chi^2/\text{NDF}$ : 760.1/10

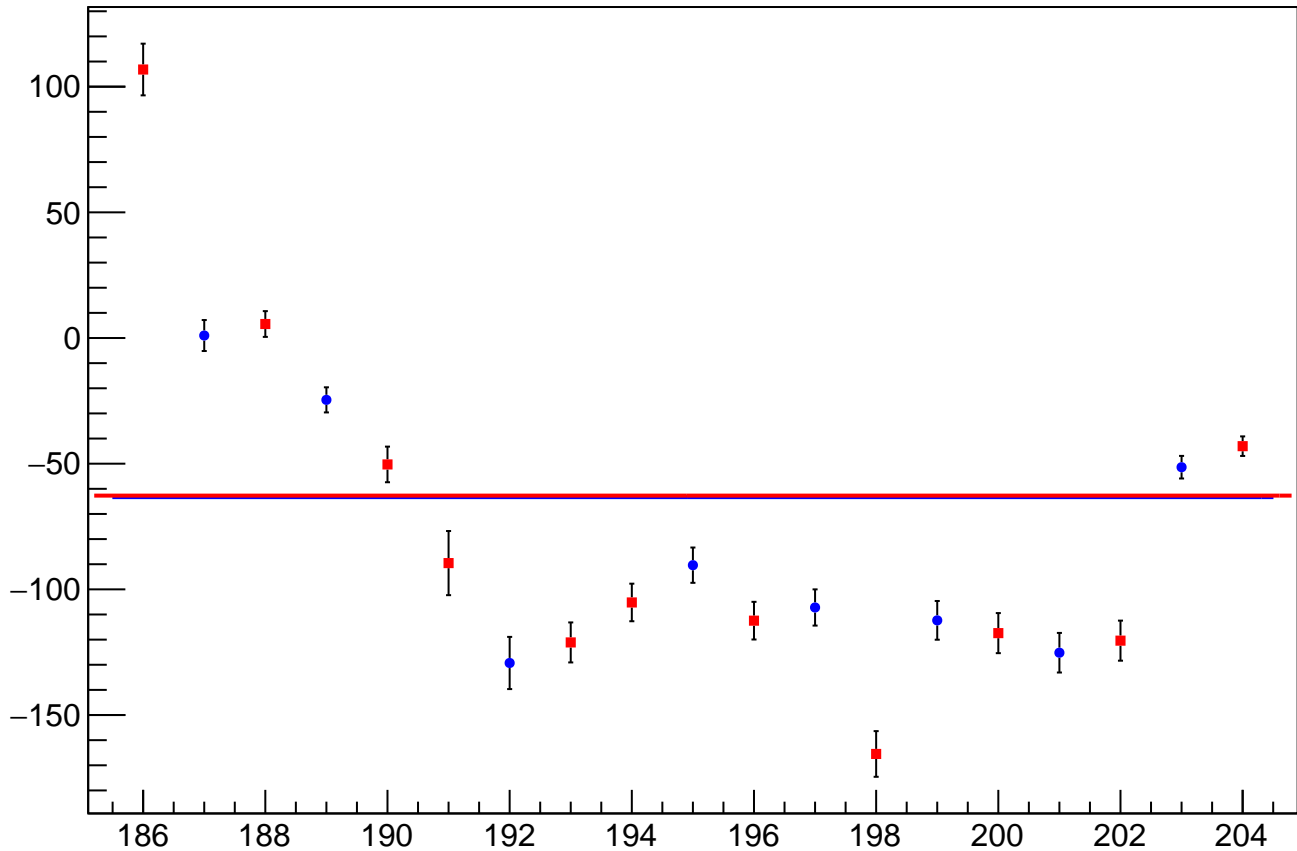
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.856 \pm 0.046$   $\chi^2/\text{NDF}$ : 929.8/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam4\_diff\_bpm1X\_slope vs Slug



Right In:  $-63.301 \pm 2.249$   $\chi^2/\text{NDF}: 370.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-62.704 \pm 2.064$   $\chi^2/\text{NDF}: 840.0/10$

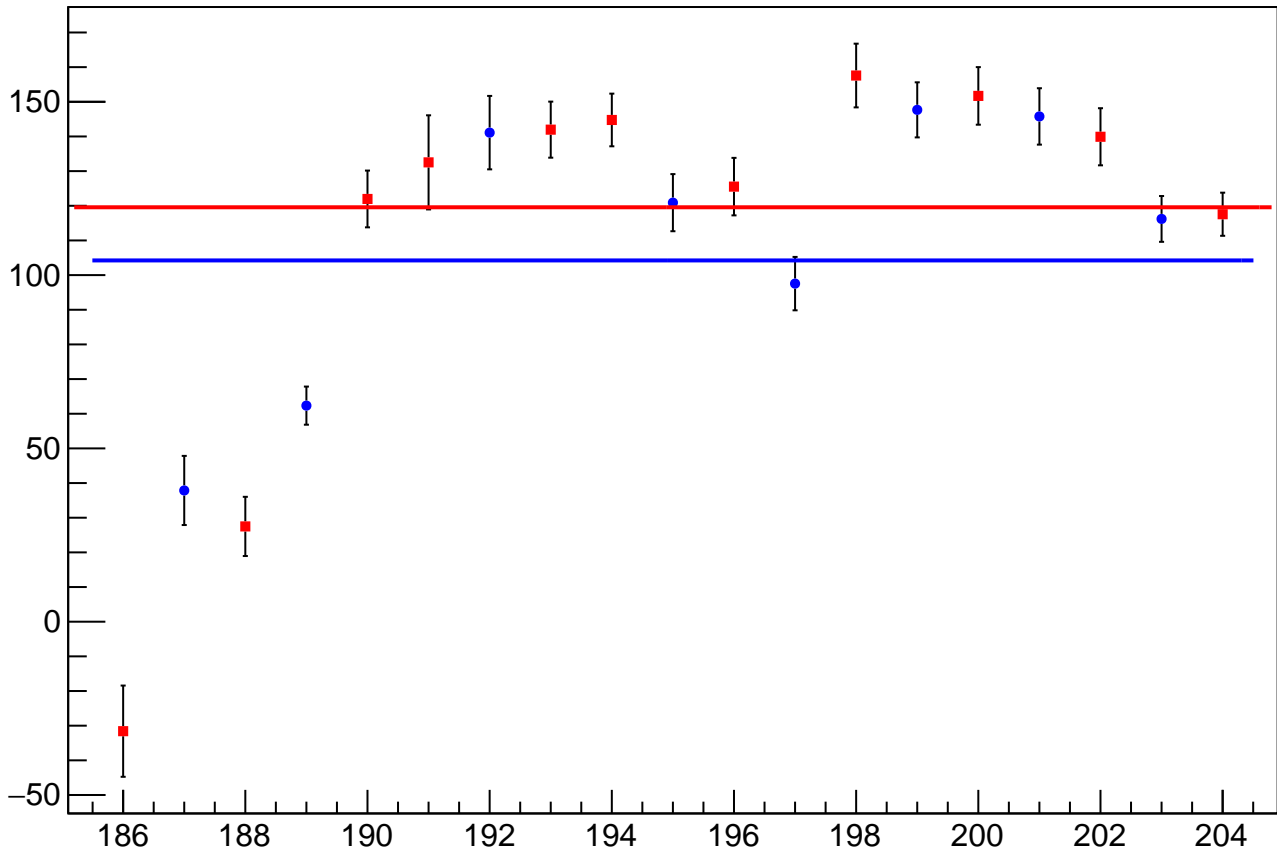
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-62.977 \pm 1.521$   $\chi^2/\text{NDF}: 1210.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug



Right In: 104.234 $\pm$ 2.697  $\chi^2$ /NDF: 178.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 119.568 $\pm$ 2.549  $\chi^2$ /NDF: 306.6/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

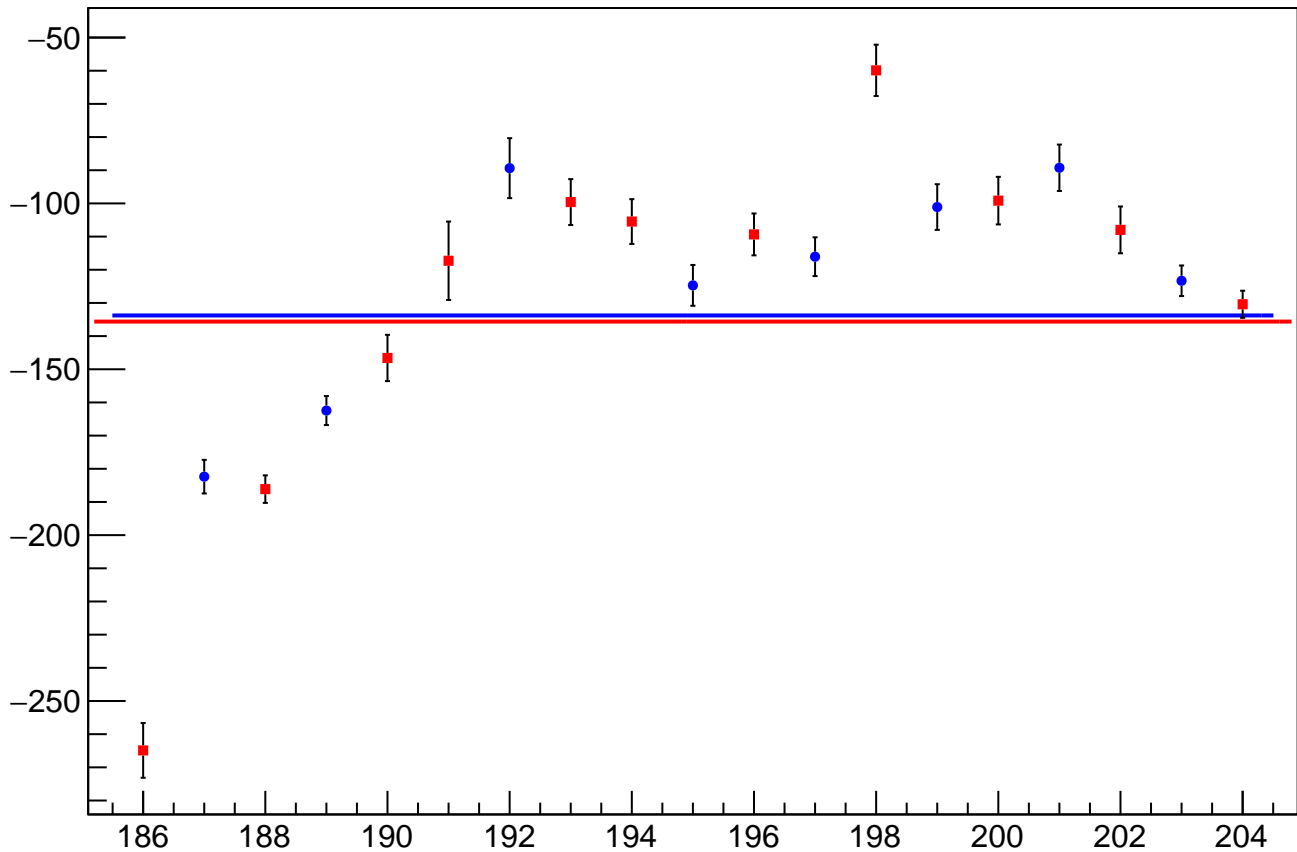
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 112.333 $\pm$ 1.853  $\chi^2$ /NDF: 502.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug



Right In:  $-133.774 \pm 2.009$   $\chi^2/\text{NDF}$ : 238.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-135.626 \pm 1.875$   $\chi^2/\text{NDF}$ : 600.7/10

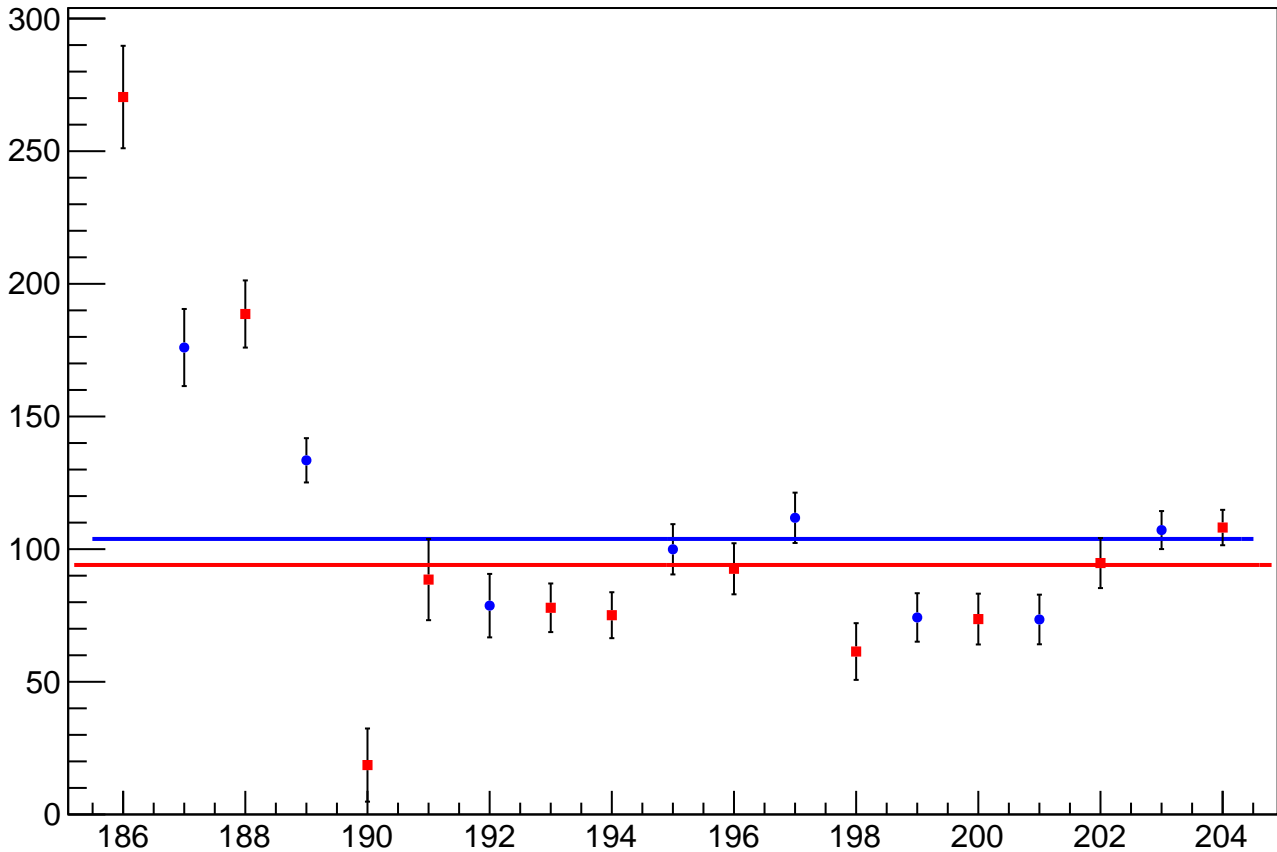
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-134.764 \pm 1.371$   $\chi^2/\text{NDF}$ : 839.8/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug



Right In: 103.846 $\pm$ 3.311  $\chi^2$ /NDF: 63.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 94.038 $\pm$ 3.045  $\chi^2$ /NDF: 195.6/10

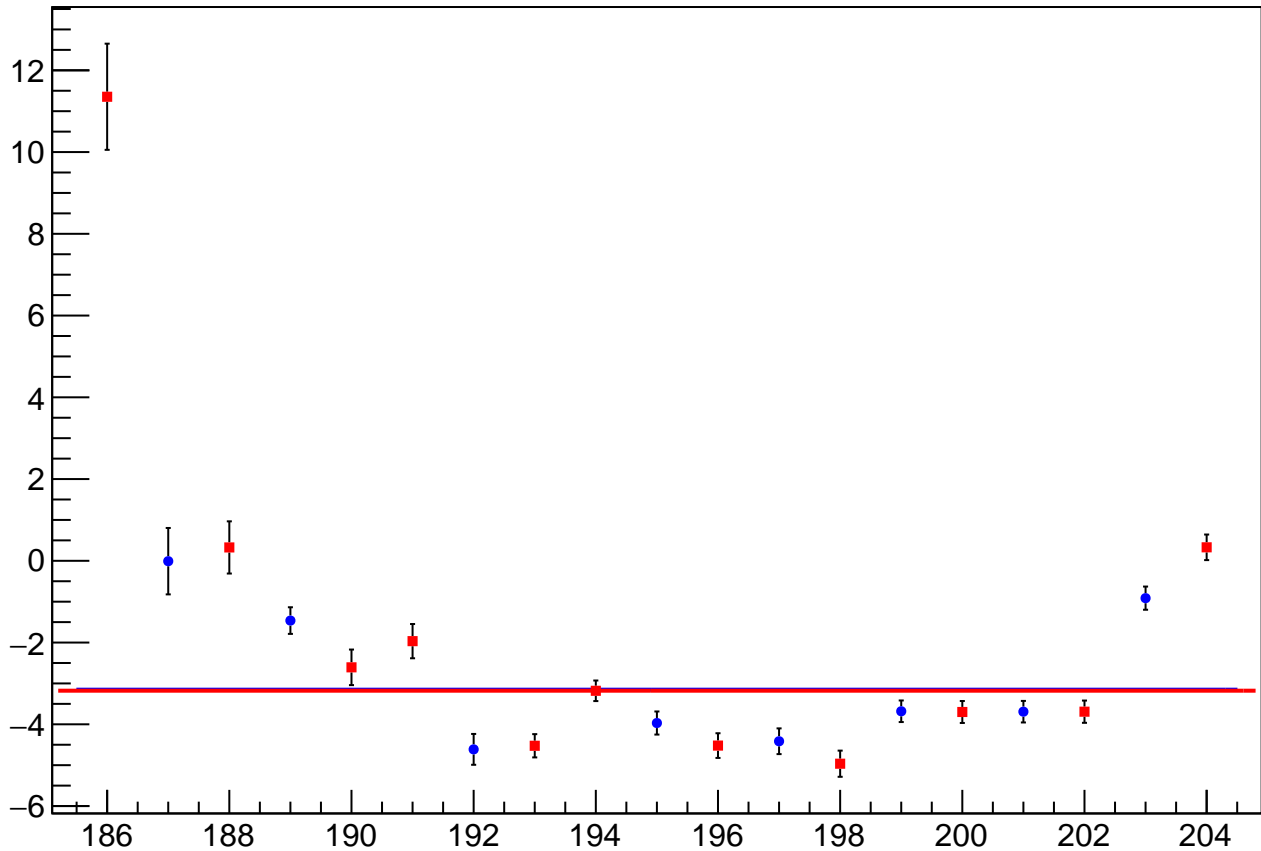
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 98.532 $\pm$ 2.241  $\chi^2$ /NDF: 264.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug



Right In:  $-3.153 \pm 0.111$   $\chi^2/\text{NDF}: 151.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-3.178 \pm 0.100$   $\chi^2/\text{NDF}: 371.7/10$

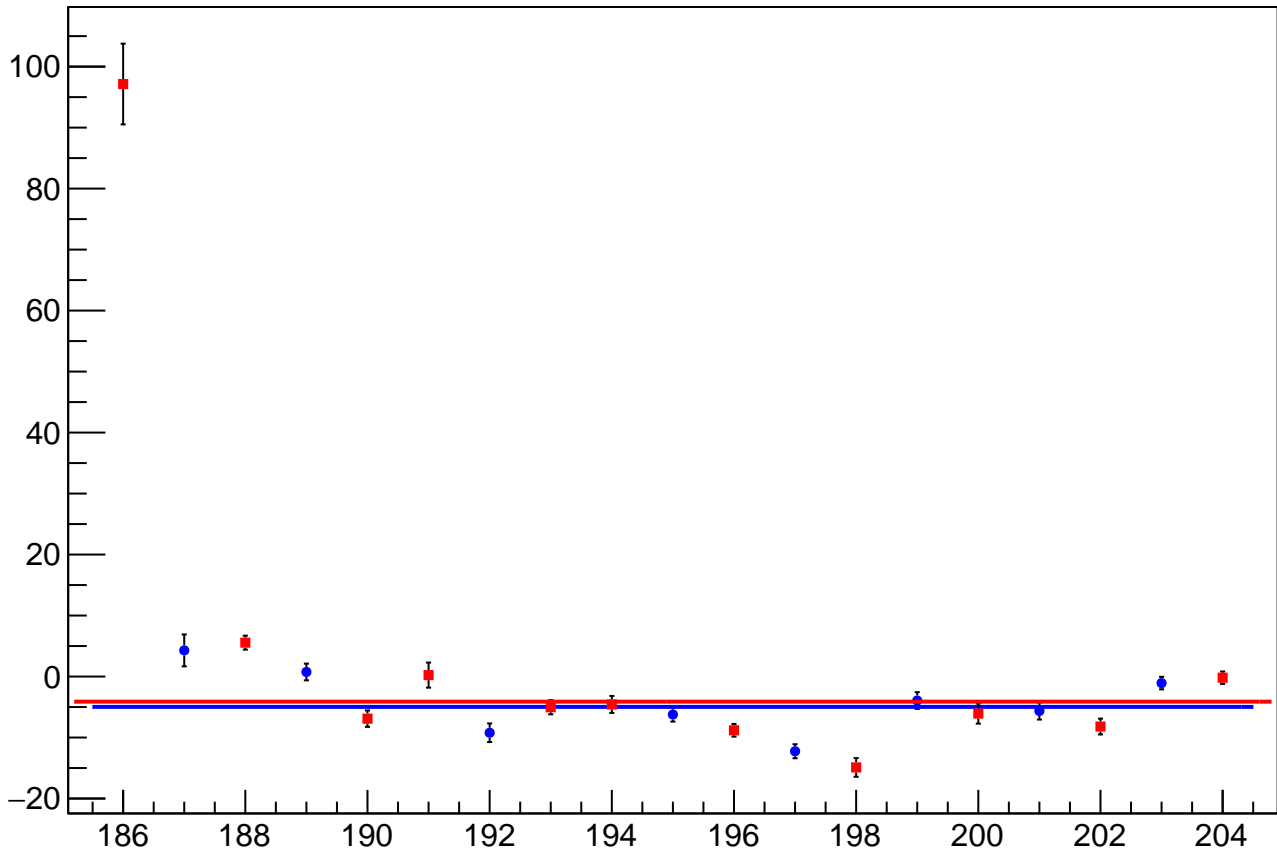
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-3.167 \pm 0.074$   $\chi^2/\text{NDF}: 523.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam5\_diff\_bpm1X\_slope vs Slug



Right In:  $-4.973 \pm 0.467$   $\chi^2/\text{NDF}: 94.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-4.118 \pm 0.405$   $\chi^2/\text{NDF}: 410.1/10$

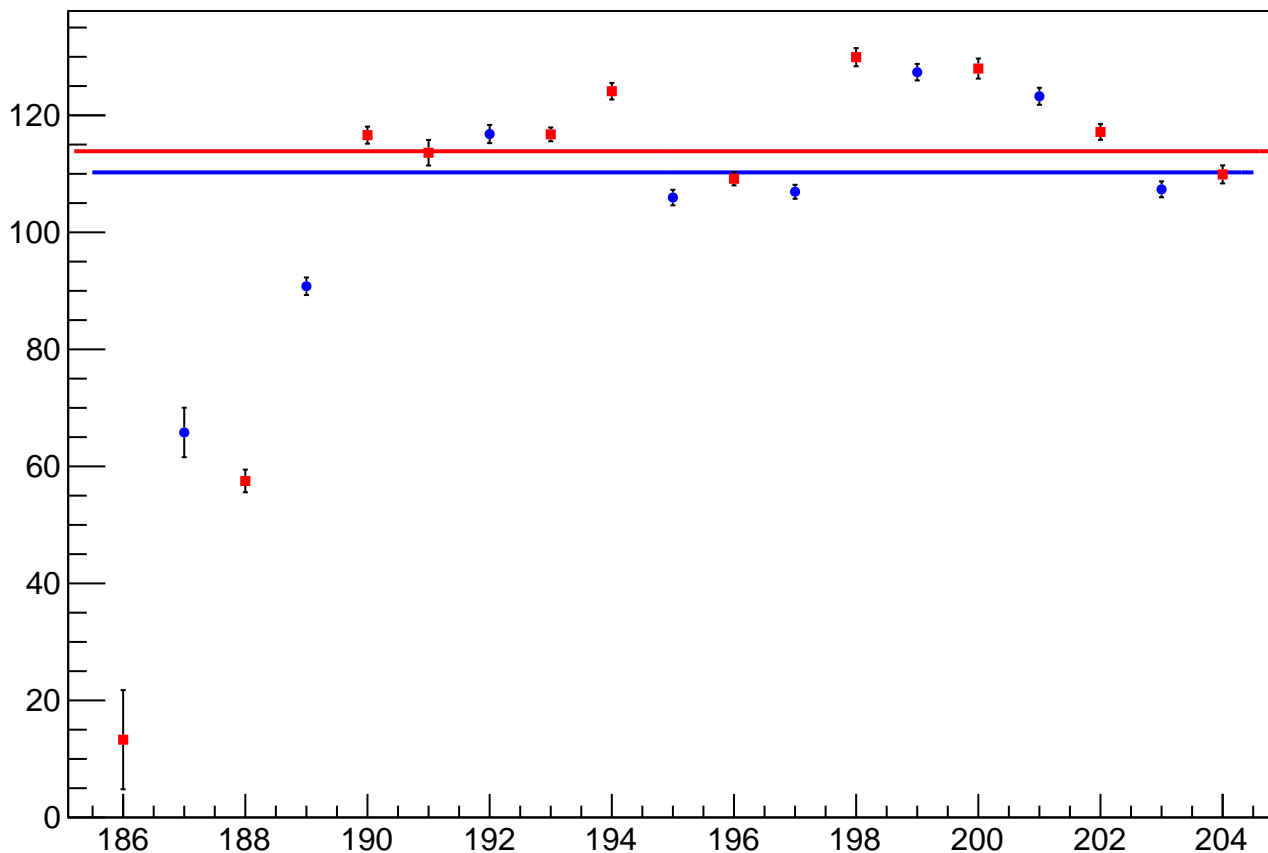
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-4.486 \pm 0.306$   $\chi^2/\text{NDF}: 506.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug



Right In: 110.243 $\pm$ 0.521  $\chi^2$ /NDF: 543.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 113.861 $\pm$ 0.463  $\chi^2$ /NDF: 1253.5/10

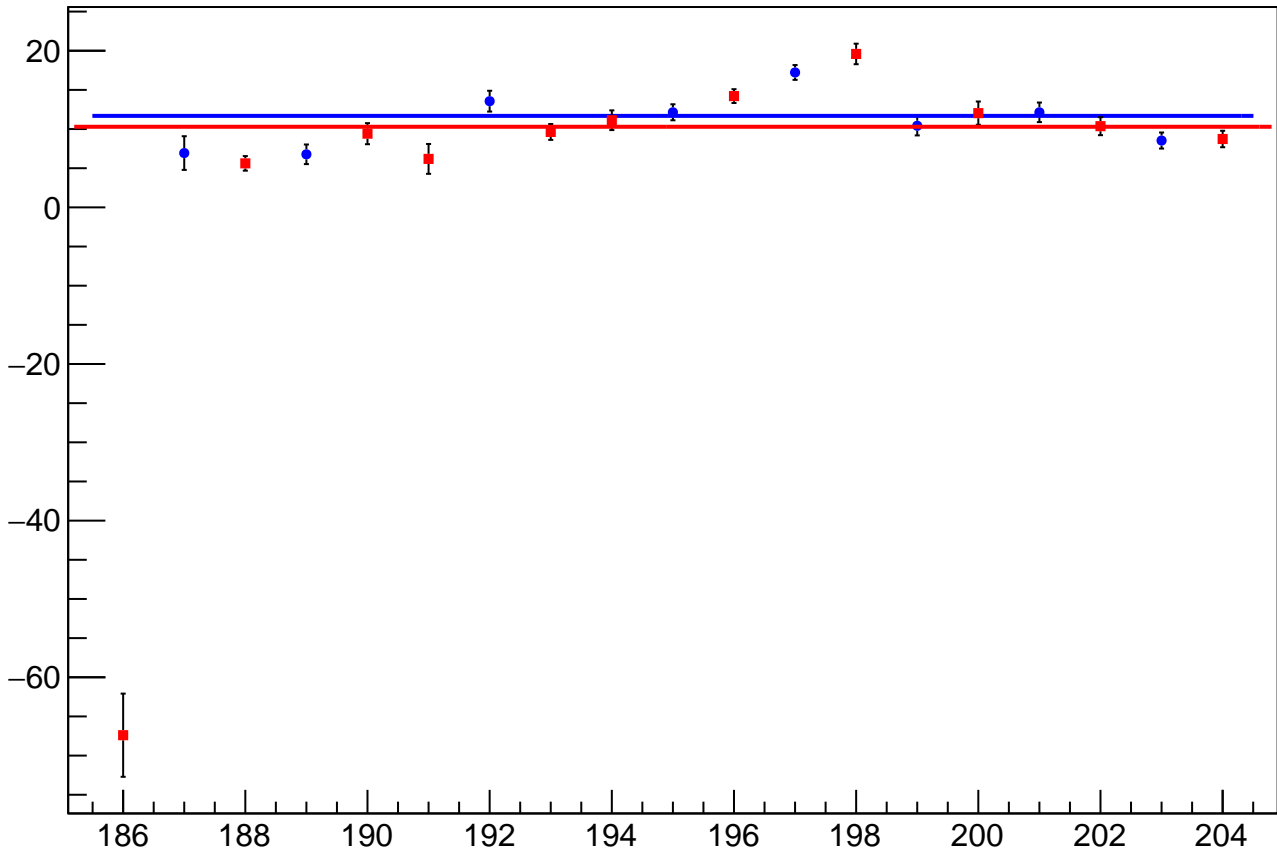
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 112.265 $\pm$ 0.346  $\chi^2$ /NDF: 1824.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug



Right In:  $11.682 \pm 0.417$   $\chi^2/\text{NDF}: 67.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $10.292 \pm 0.363$   $\chi^2/\text{NDF}: 318.7/10$

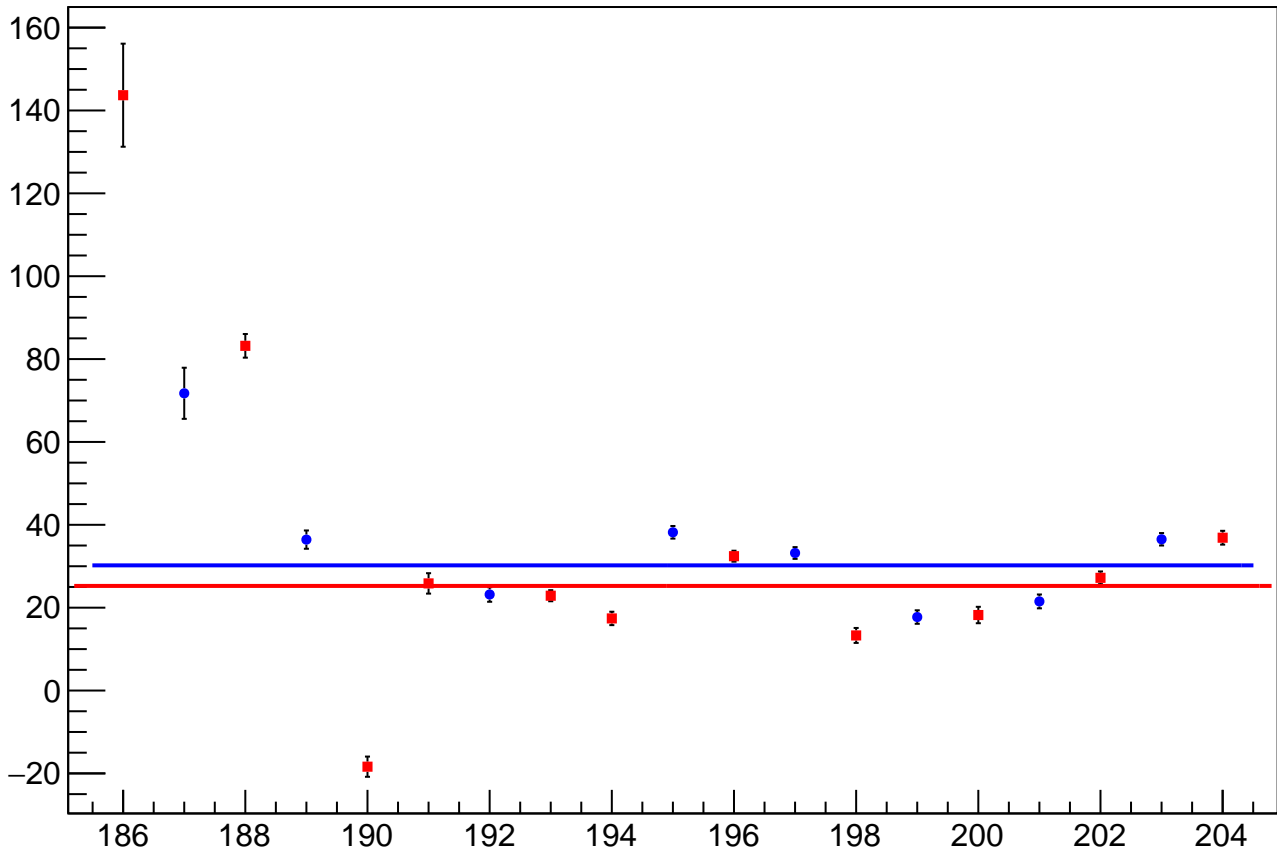
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $10.891 \pm 0.274$   $\chi^2/\text{NDF}: 392.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug



Right In: 30.213+/-0.613  $\chi^2$ /NDF: 204.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 25.250+/-0.549  $\chi^2$ /NDF: 985.2/10

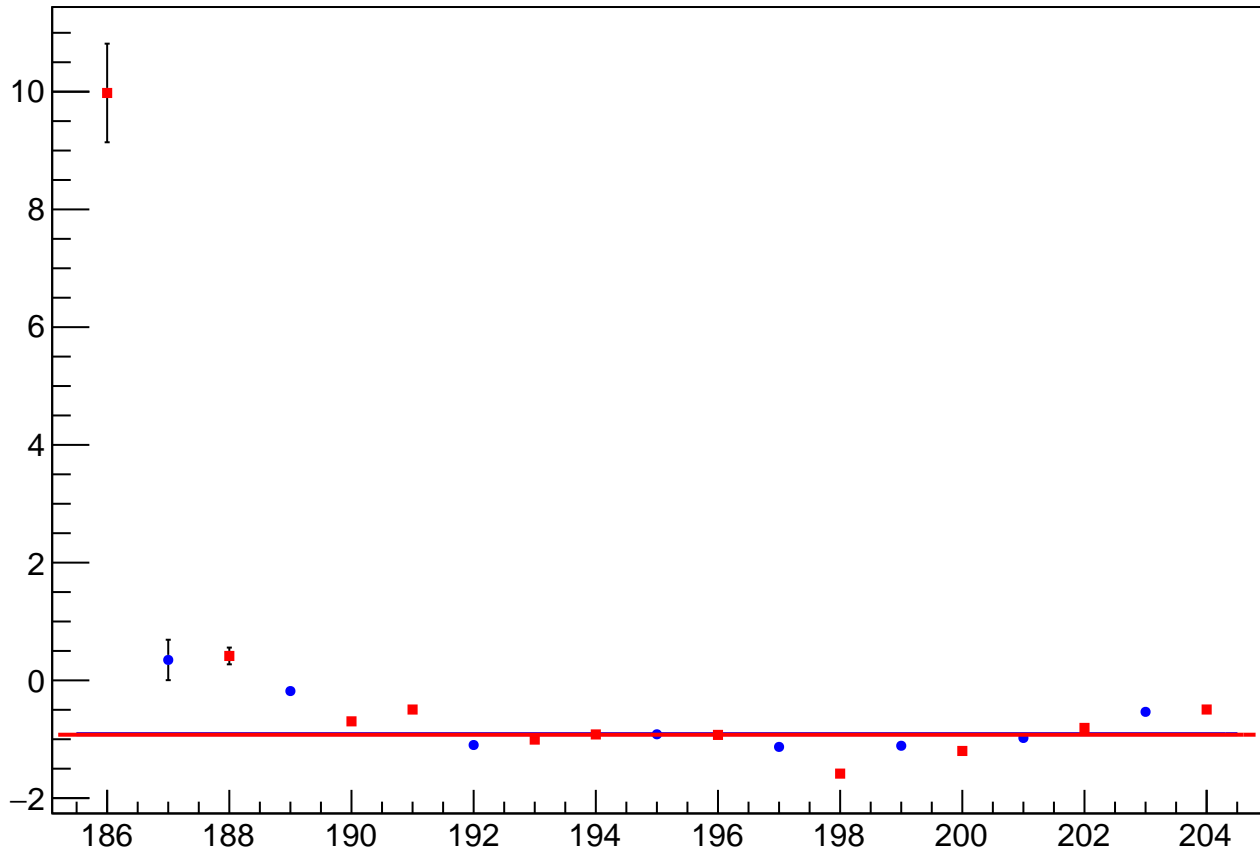
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 27.458+/-0.409  $\chi^2$ /NDF: 1225.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.914 \pm 0.019$   $\chi^2/\text{NDF}: 218.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.923 \pm 0.017$   $\chi^2/\text{NDF}: 531.0/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

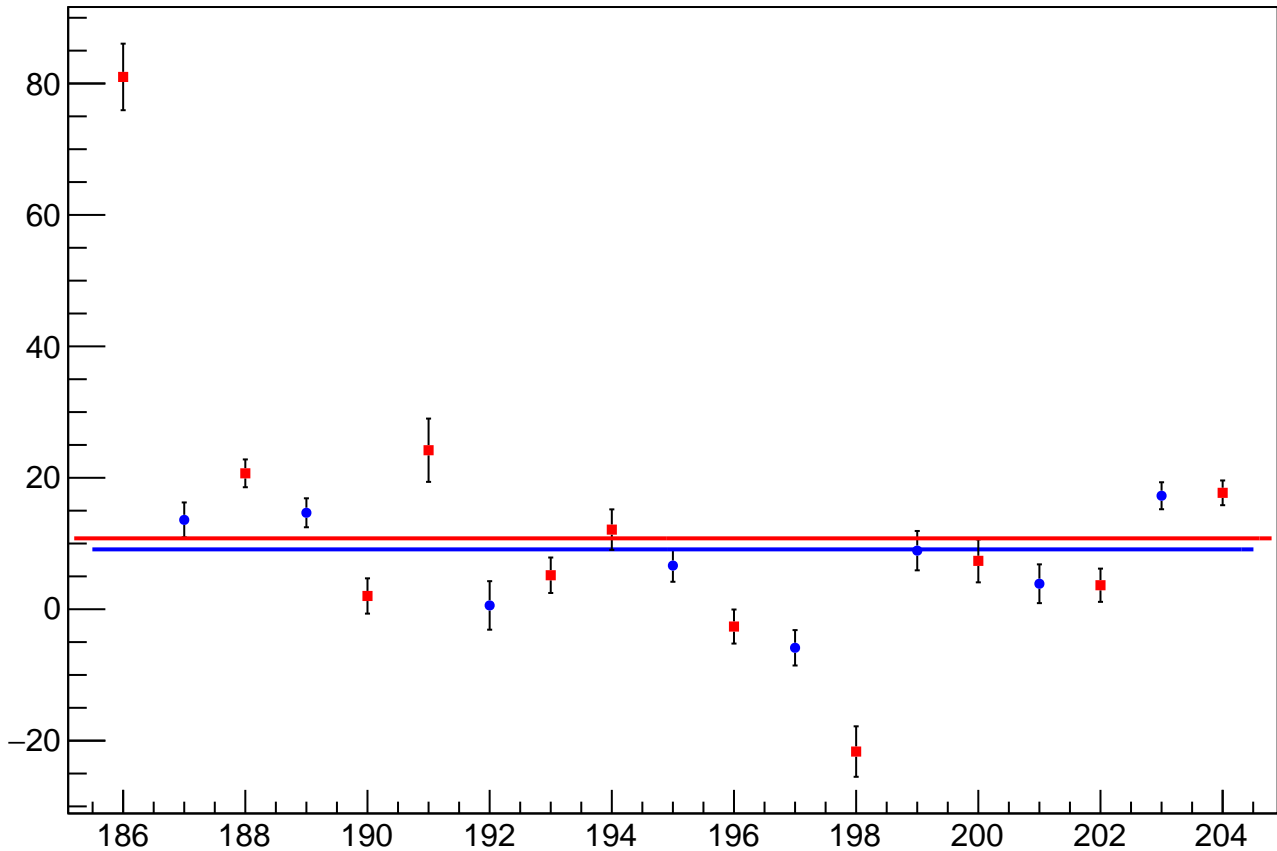
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.919 \pm 0.013$   $\chi^2/\text{NDF}: 749.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam6\_diff\_bpm1X\_slope vs Slug



Right In:  $9.108 \pm 0.918$   $\chi^2/\text{NDF}: 65.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $10.787 \pm 0.835$   $\chi^2/\text{NDF}: 358.0/10$

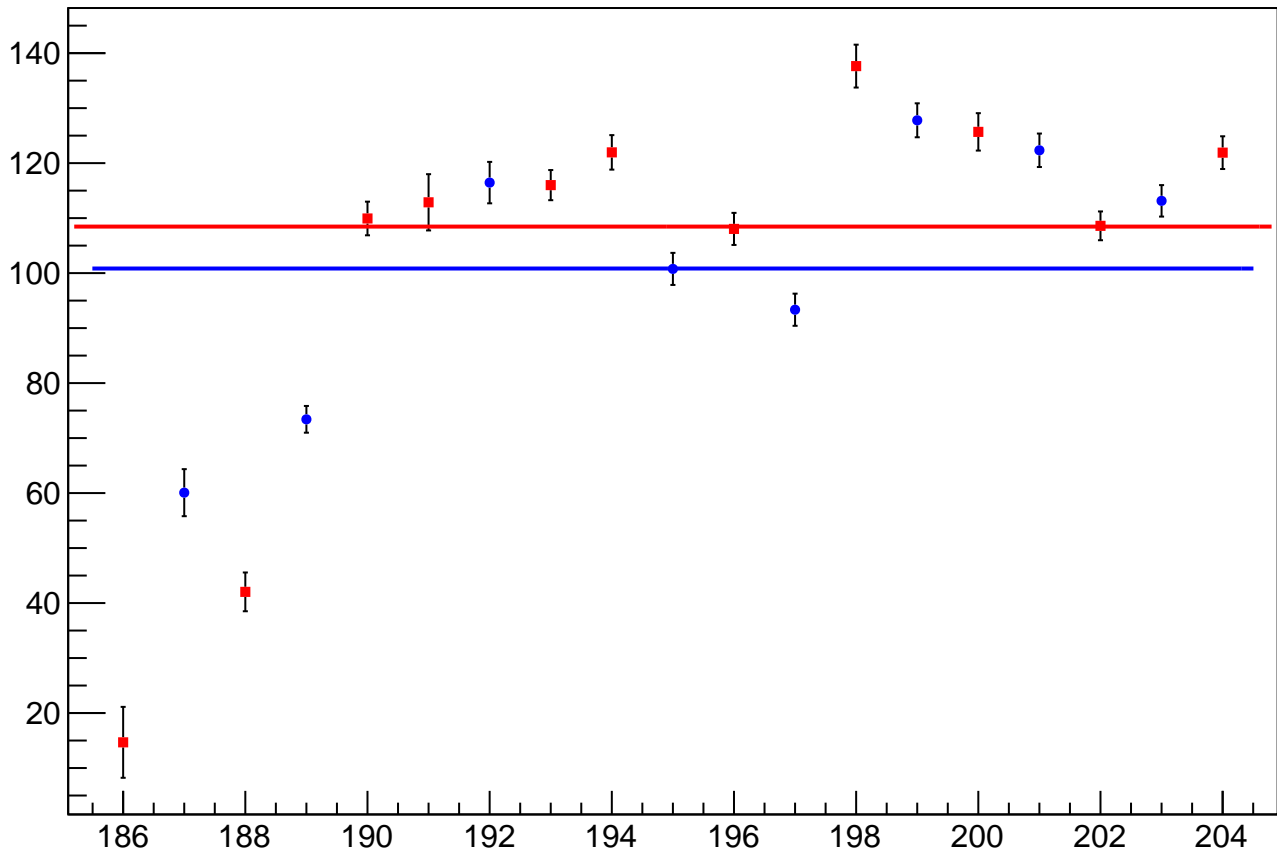
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $10.027 \pm 0.617$   $\chi^2/\text{NDF}: 425.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug



Right In: 100.835 $\pm$ 1.076  $\chi^2$ /NDF: 386.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 108.460 $\pm$ 0.994  $\chi^2$ /NDF: 695.7/10

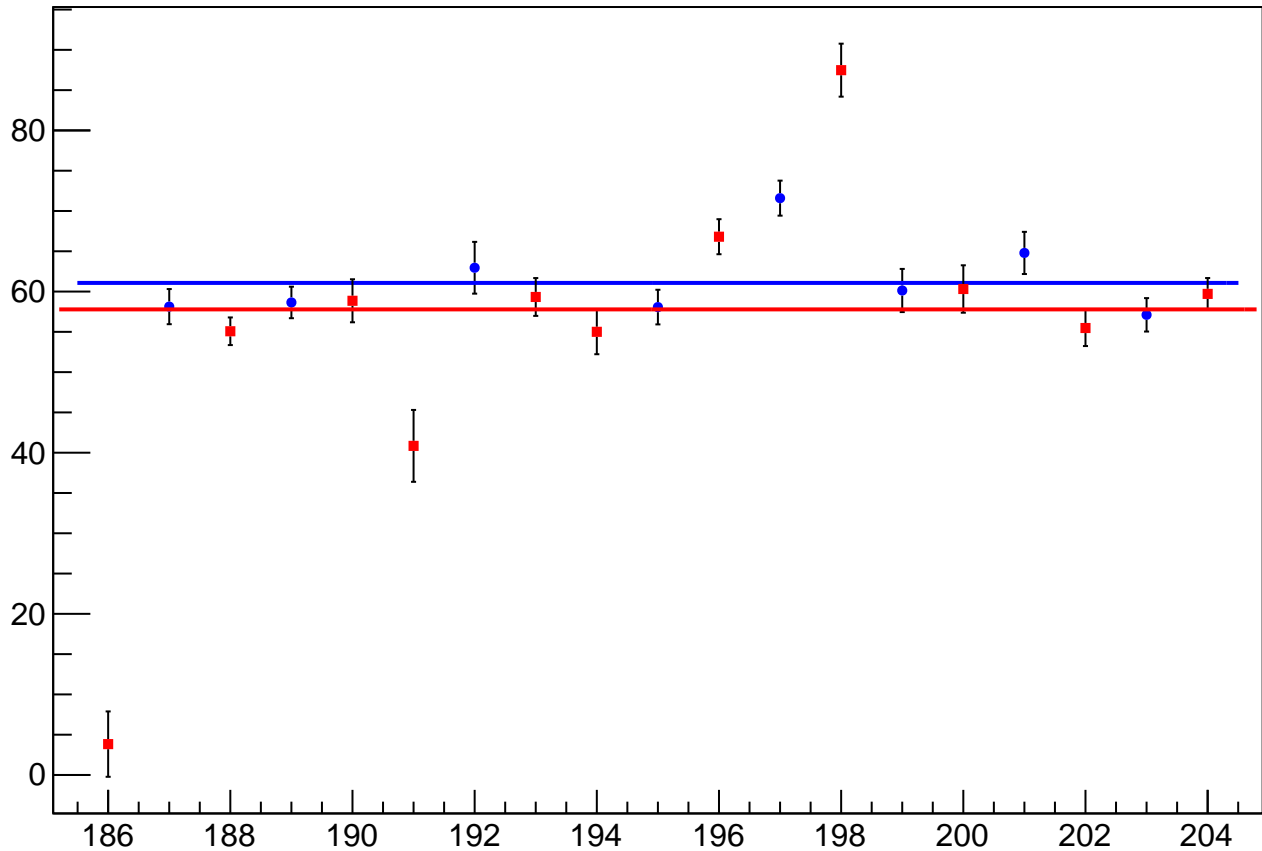
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 104.951 $\pm$ 0.730  $\chi^2$ /NDF: 1109.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug



Right In: 61.074 $\pm$ 0.813  $\chi^2$ /NDF: 34.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 57.787 $\pm$ 0.750  $\chi^2$ /NDF: 296.9/10

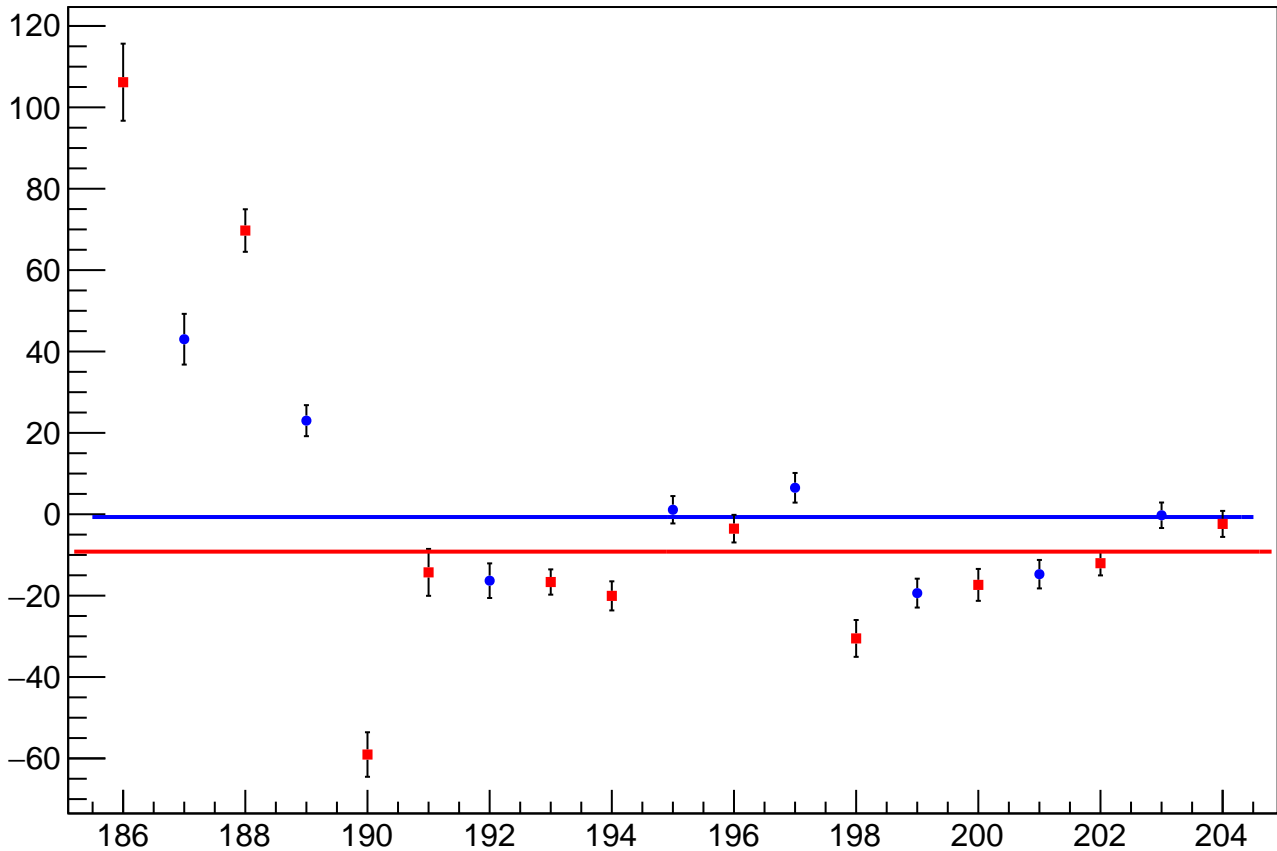
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 59.298 $\pm$ 0.551  $\chi^2$ /NDF: 340.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug



Right In:  $-0.680 \pm 1.317$   $\chi^2/\text{NDF}$ : 149.3/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-9.185 \pm 1.193$   $\chi^2/\text{NDF}$ : 509.8/10

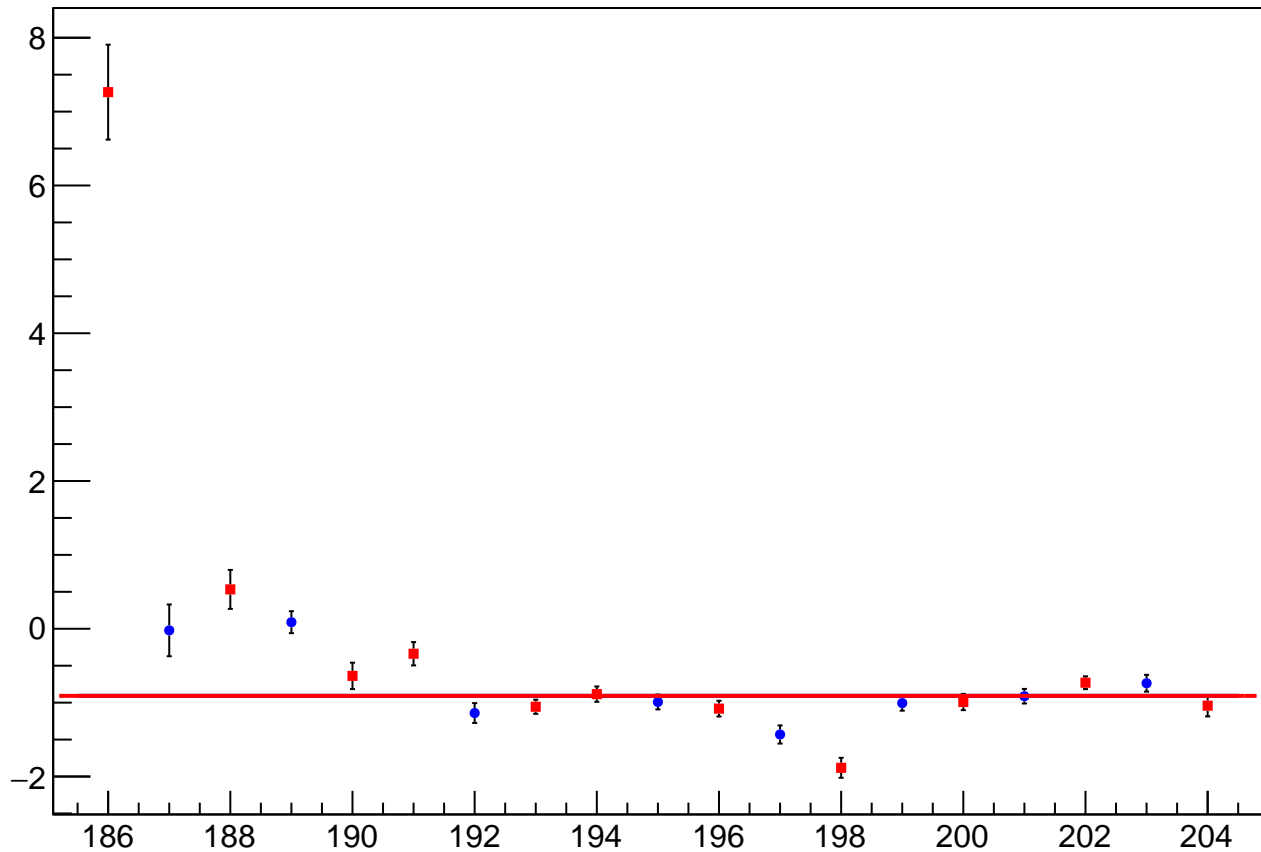
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-5.353 \pm 0.884$   $\chi^2/\text{NDF}$ : 682.0/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.908 \pm 0.043$   $\chi^2/\text{NDF}: 76.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.908 \pm 0.038$   $\chi^2/\text{NDF}: 269.4/10$

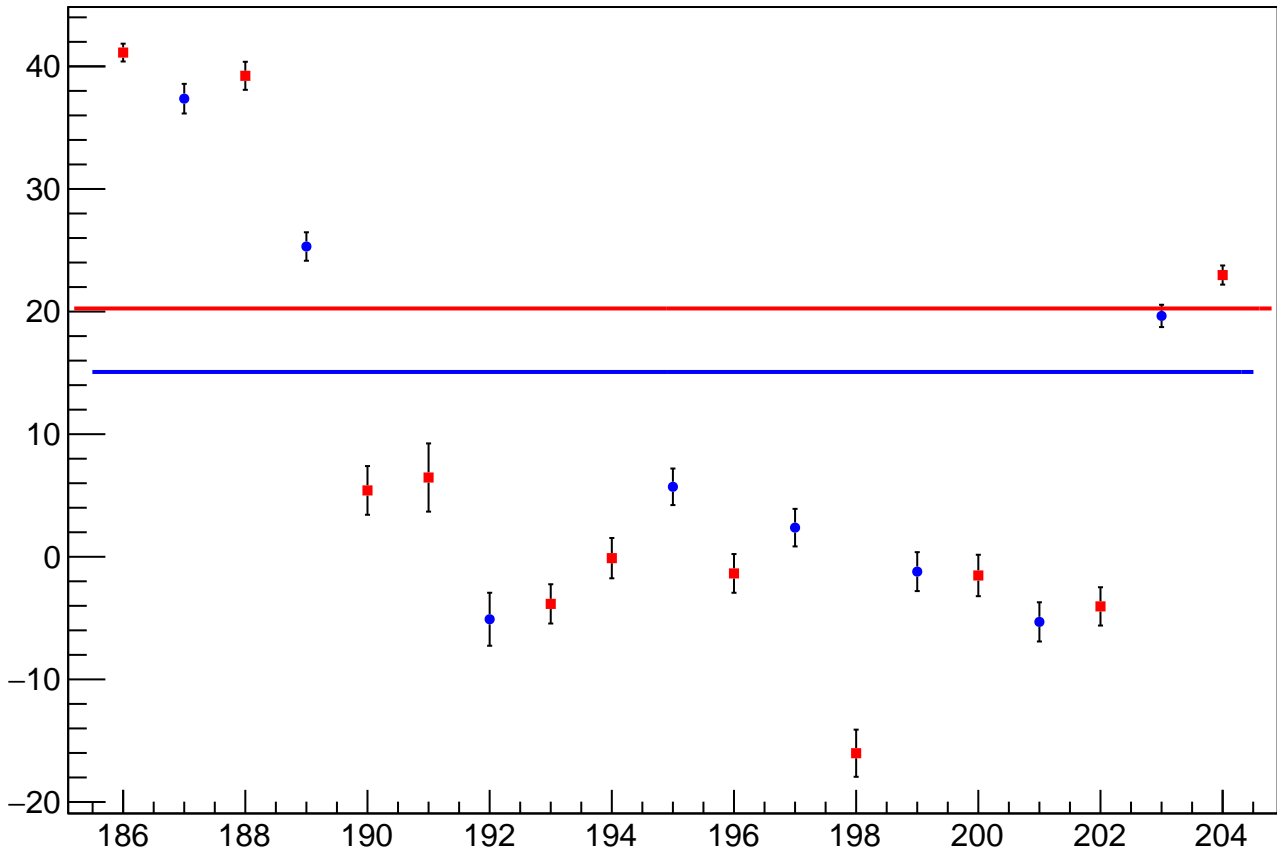
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.908 \pm 0.028$   $\chi^2/\text{NDF}: 345.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam7\_diff\_bpm1X\_slope vs Slug



Right In: 15.075 $\pm$ 0.471  $\chi^2$ /NDF: 906.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 20.253 $\pm$ 0.381  $\chi^2$ /NDF: 2524.0/10

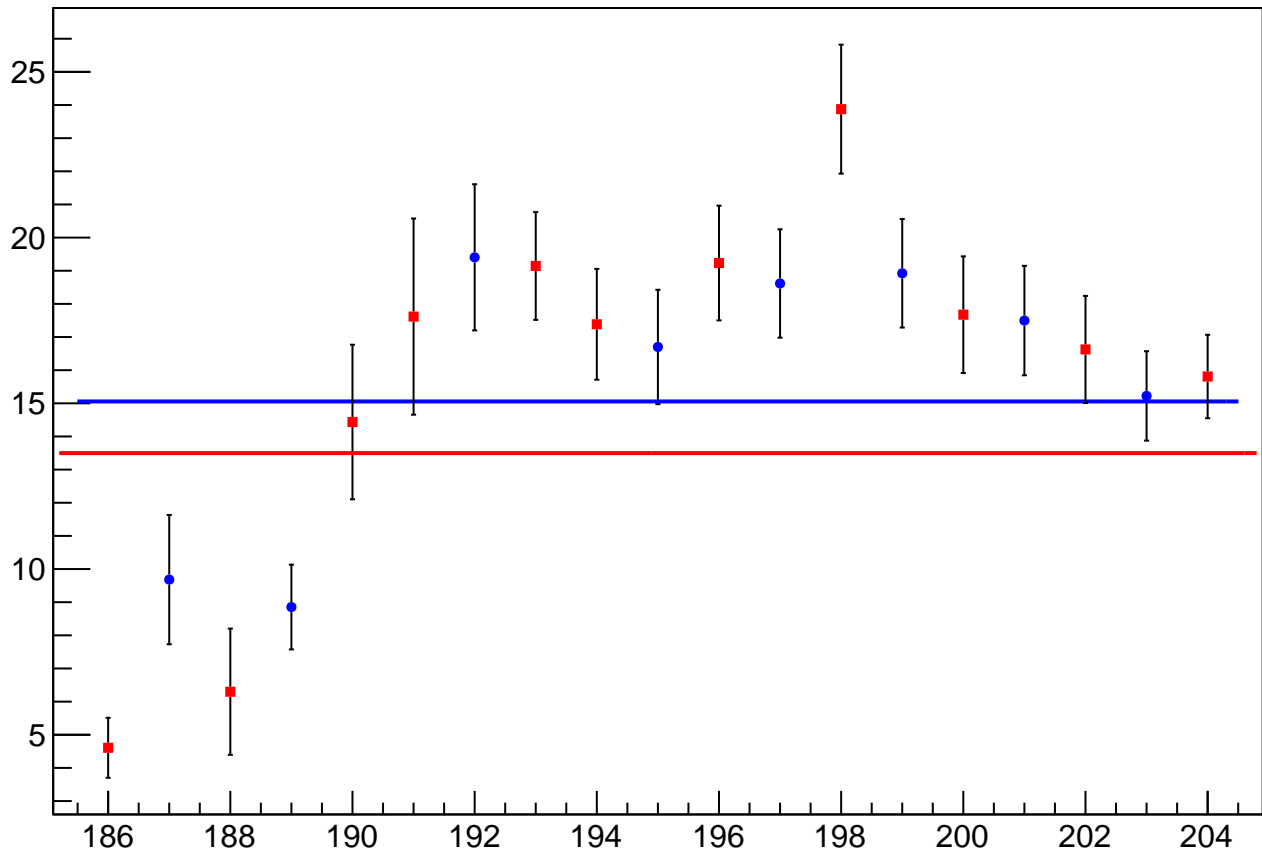
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 18.201 $\pm$ 0.296  $\chi^2$ /NDF: 3503.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug



Right In: 15.057+/-0.570  $\chi^2$ /NDF: 48.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 13.499+/-0.473  $\chi^2$ /NDF: 182.4/10

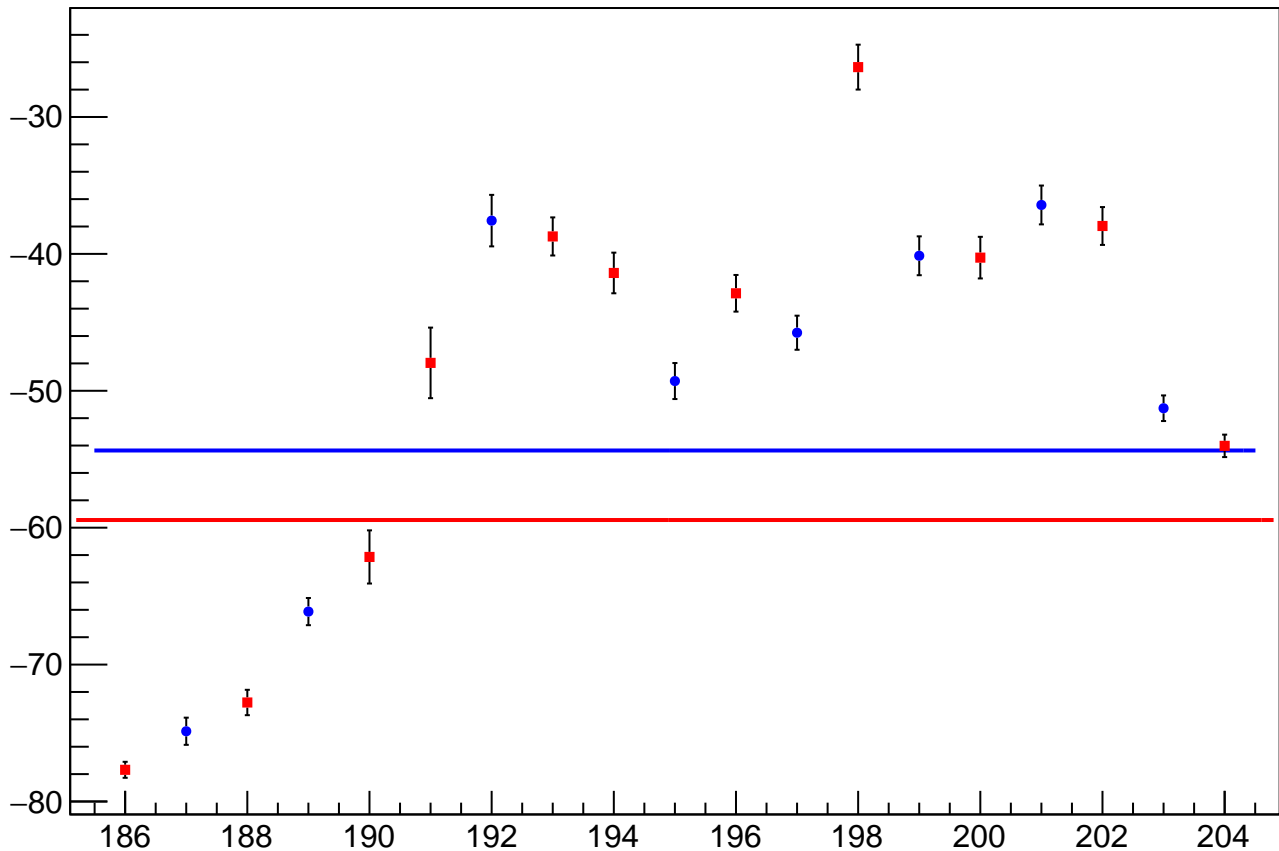
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 14.134+/-0.364  $\chi^2$ /NDF: 235.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug



Right In:  $-54.361 \pm 0.420$   $\chi^2/\text{NDF}: 980.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-59.440 \pm 0.336$   $\chi^2/\text{NDF}: 2578.0/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

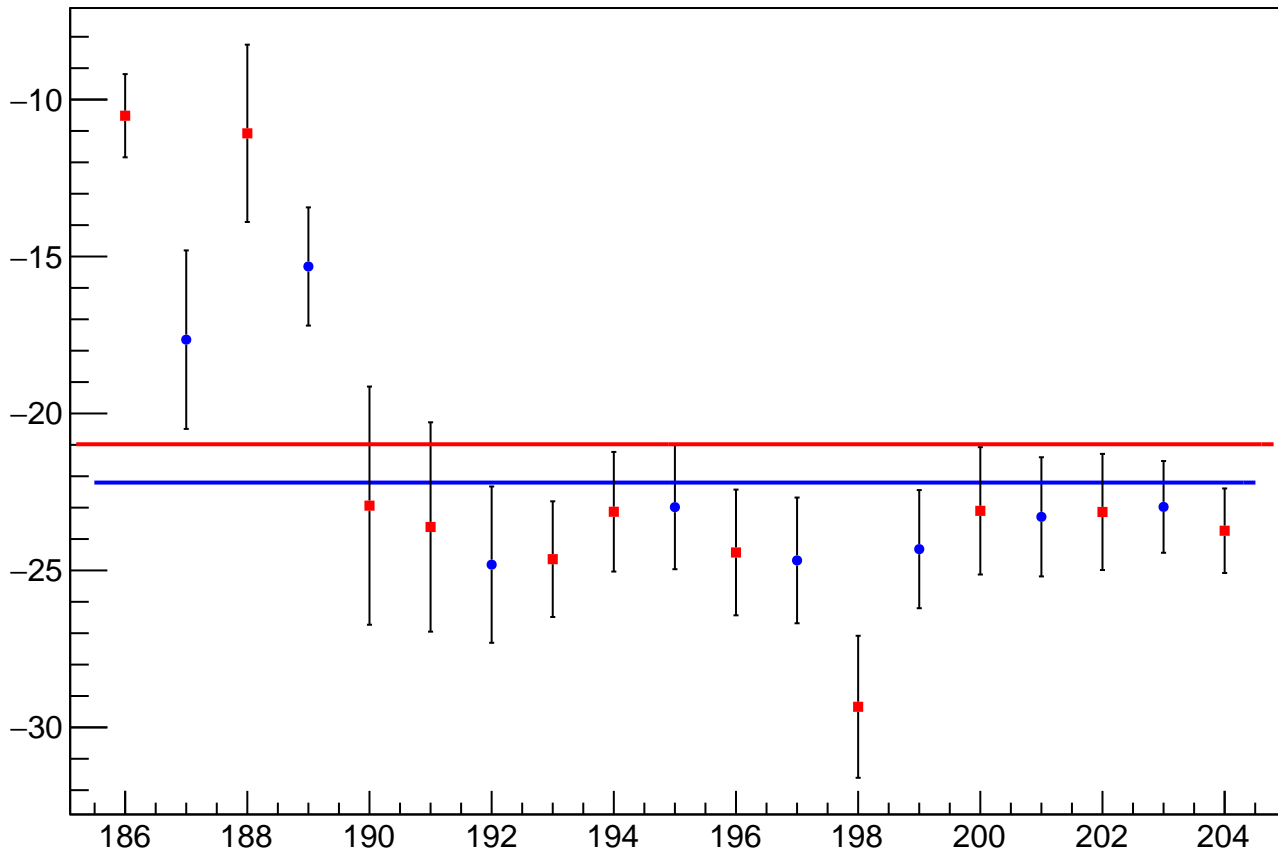
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-57.457 \pm 0.262$   $\chi^2/\text{NDF}: 3647.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug



Right In:  $-22.201 \pm 0.690$   $\chi^2/\text{NDF}: 20.6/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-20.981 \pm 0.582$   $\chi^2/\text{NDF}: 104.0/10$

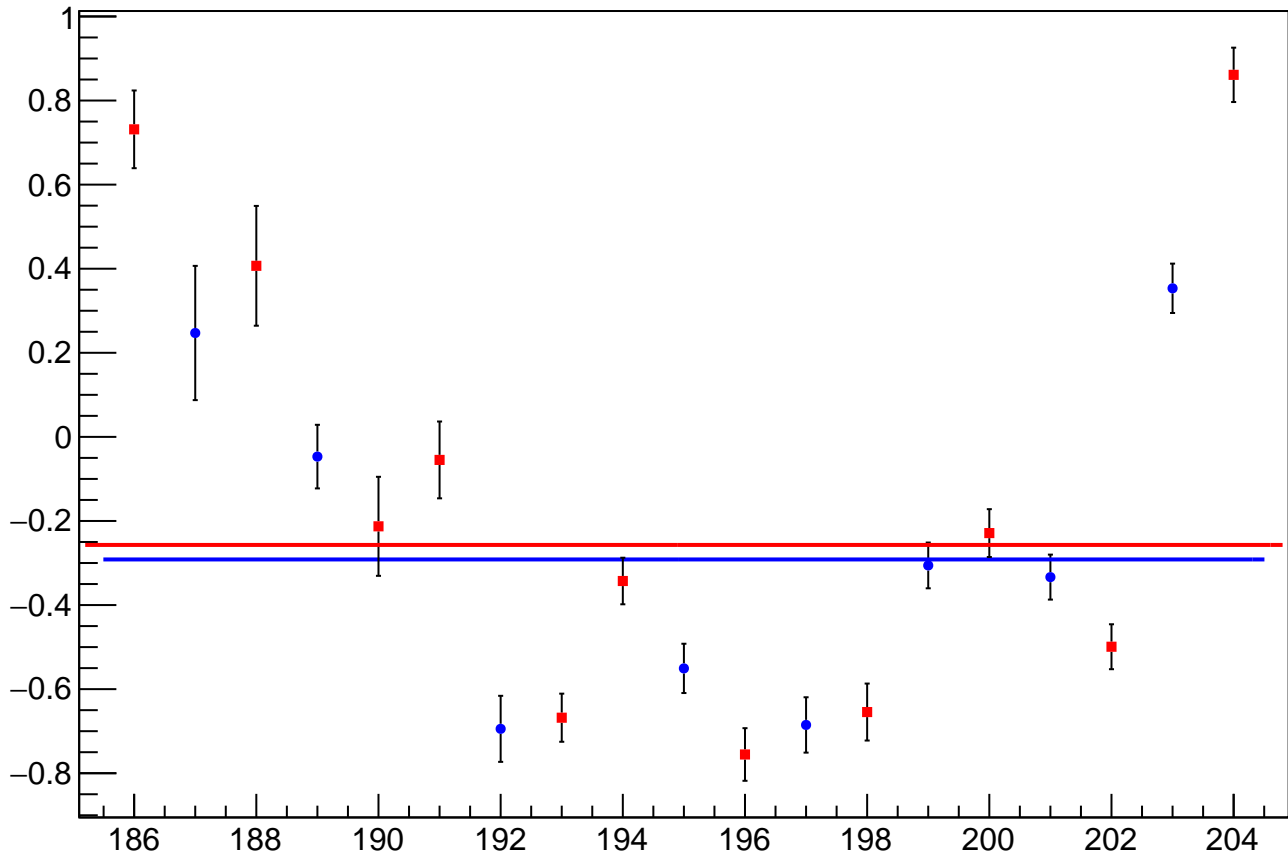
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-21.488 \pm 0.445$   $\chi^2/\text{NDF}: 126.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.292 \pm 0.023$   $\chi^2/\text{NDF}: 224.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.257 \pm 0.021$   $\chi^2/\text{NDF}: 612.9/10$

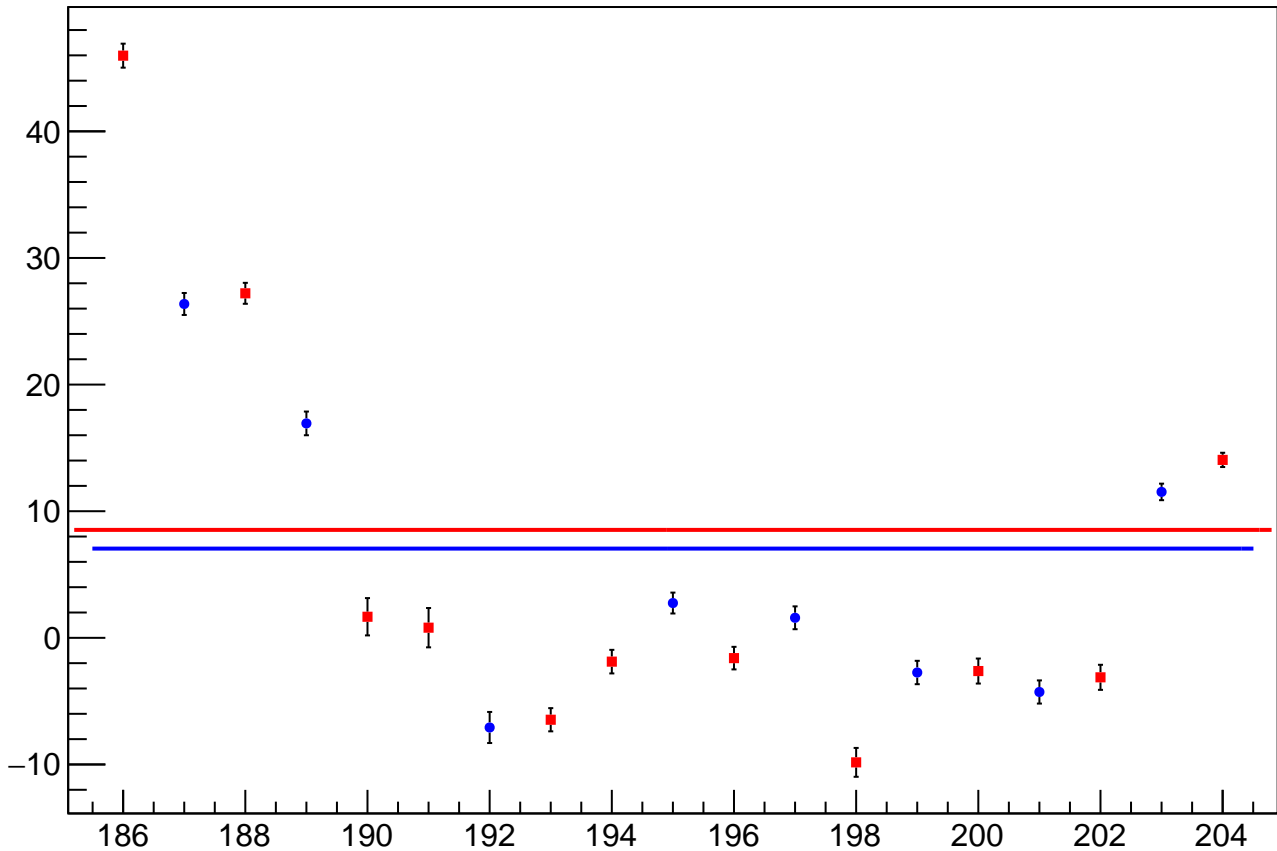
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.272 \pm 0.015$   $\chi^2/\text{NDF}: 839.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam8\_diff\_bpm1X\_slope vs Slug



Right In: 7.048 $\pm$ 0.308  $\chi^2$ /NDF: 1116.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.525 $\pm$ 0.277  $\chi^2$ /NDF: 3262.0/10

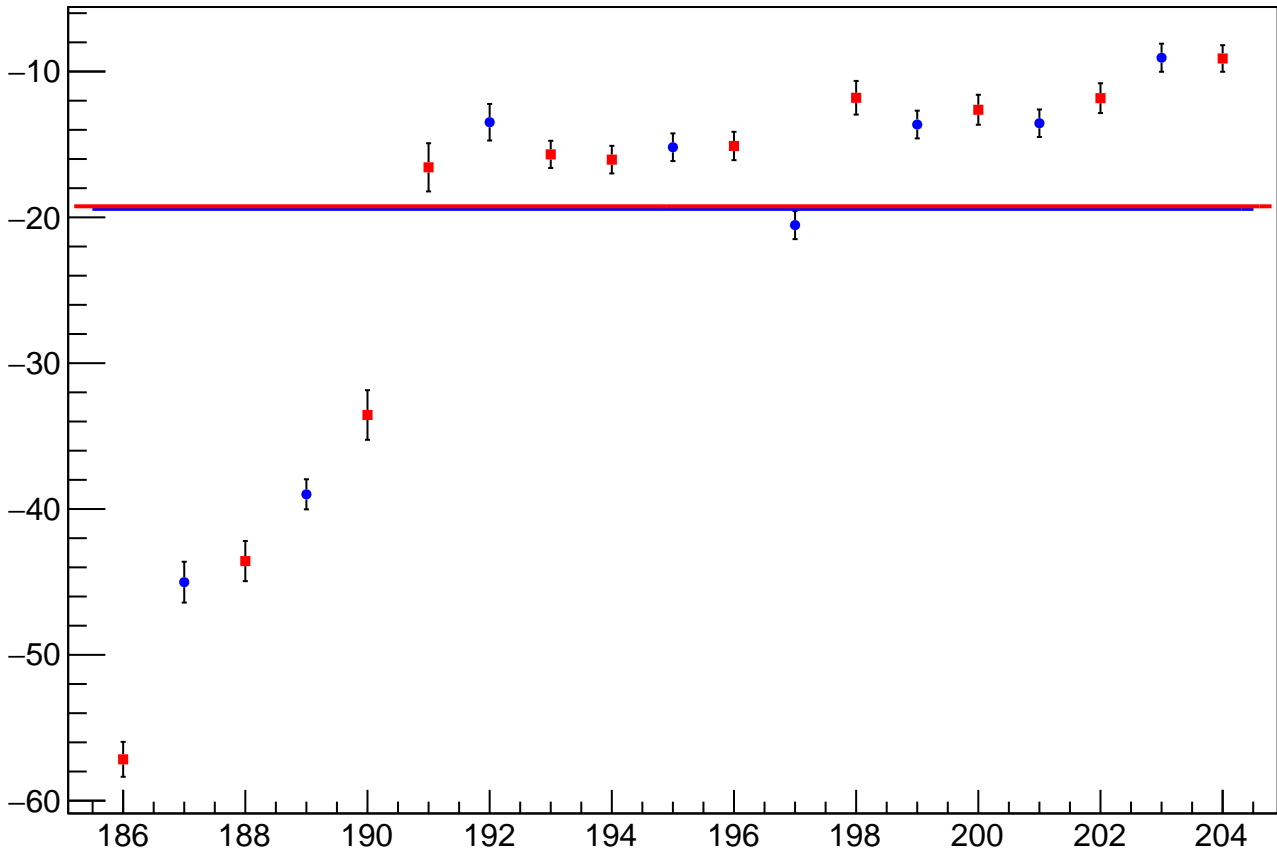
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.864 $\pm$ 0.206  $\chi^2$ /NDF: 4390.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug



Right In:  $-19.418 \pm 0.363$   $\chi^2/\text{NDF}: 928.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-19.243 \pm 0.331$   $\chi^2/\text{NDF}: 1690.7/10$

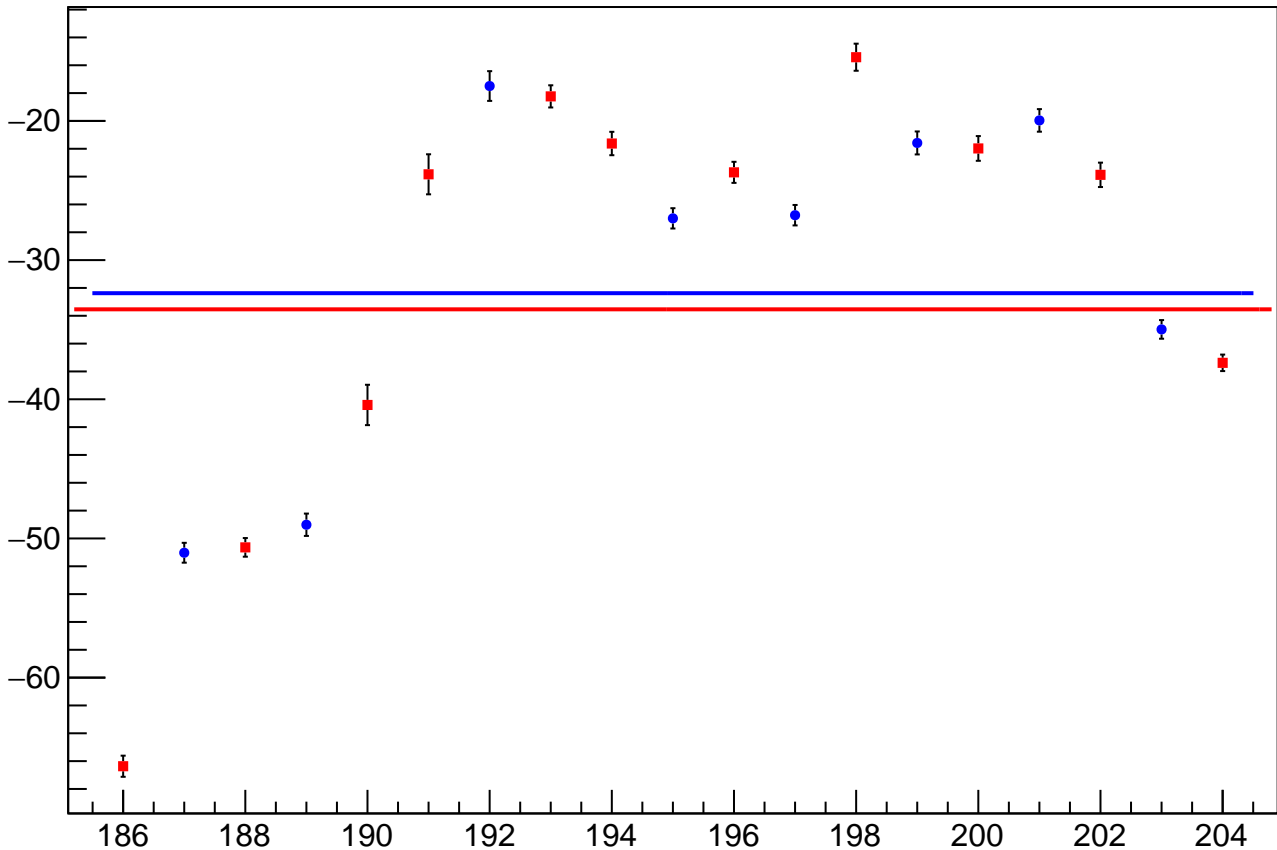
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-19.322 \pm 0.245$   $\chi^2/\text{NDF}: 2619.7/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug



Right In:  $-32.377 \pm 0.274$   $\chi^2/\text{NDF}: 1839.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-33.537 \pm 0.249$   $\chi^2/\text{NDF}: 4007.1/10$

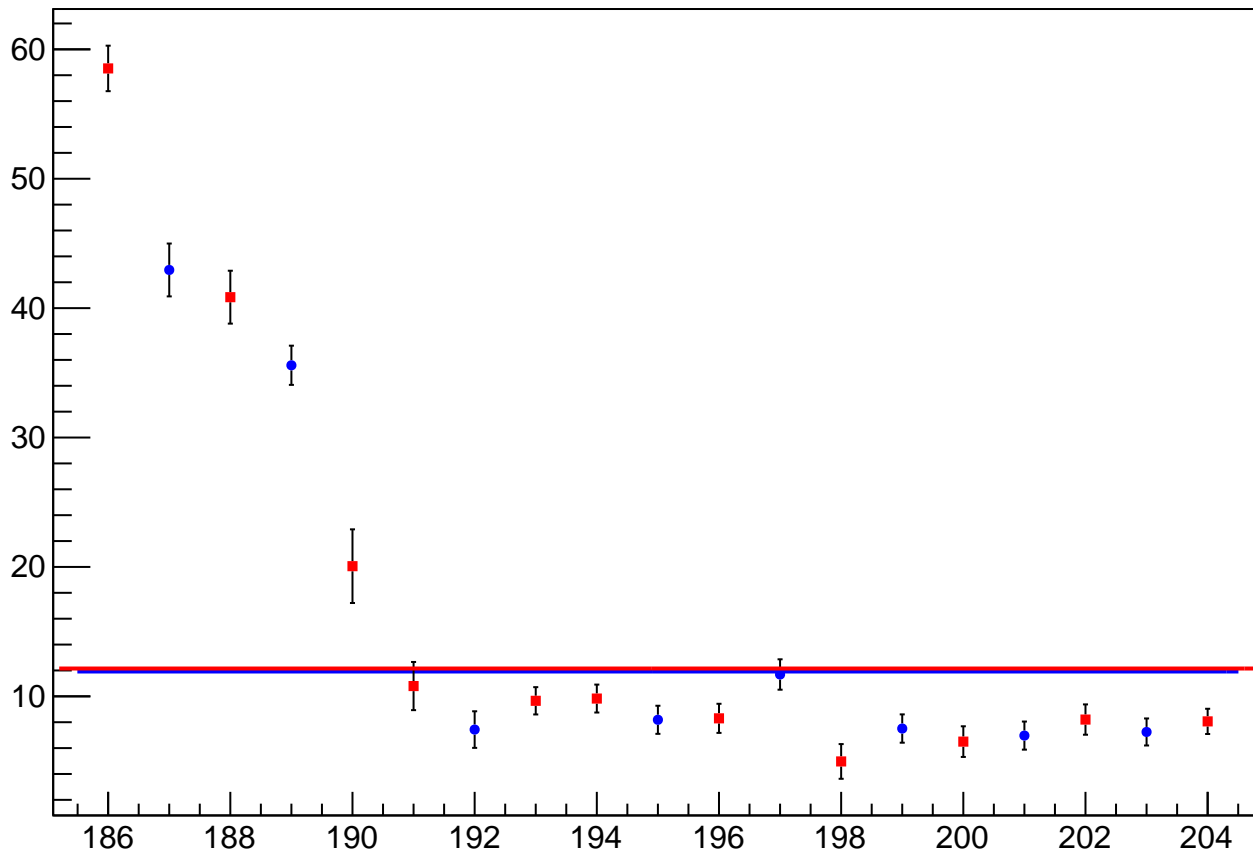
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-33.012 \pm 0.184$   $\chi^2/\text{NDF}: 5856.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug



Right In: 11.920+/-0.432  $\chi^2$ /NDF: 553.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 12.150+/-0.390  $\chi^2$ /NDF: 1003.6/10

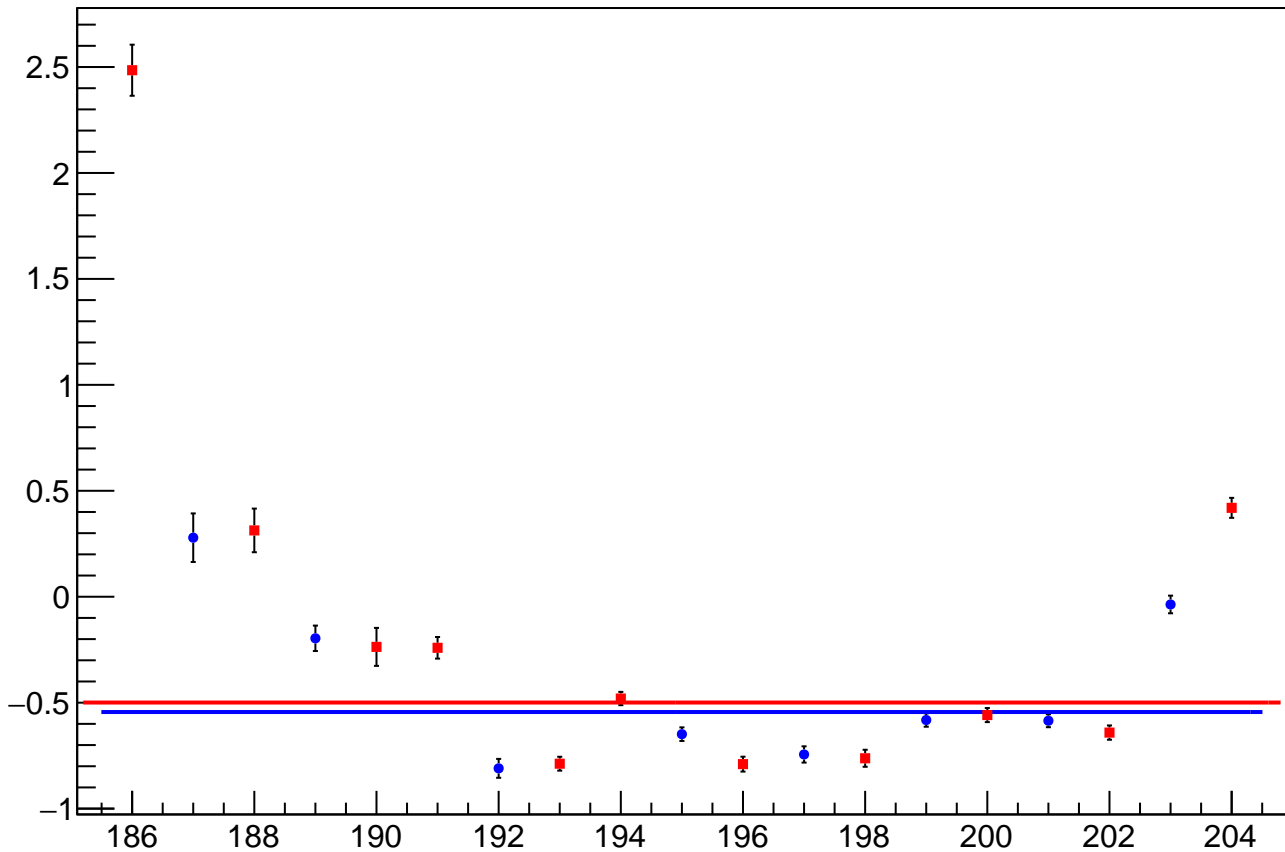
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 12.047+/-0.290  $\chi^2$ /NDF: 1557.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.544 \pm 0.014$   $\chi^2/\text{NDF}$ : 310.3/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.499 \pm 0.013$   $\chi^2/\text{NDF}$ : 1298.7/10

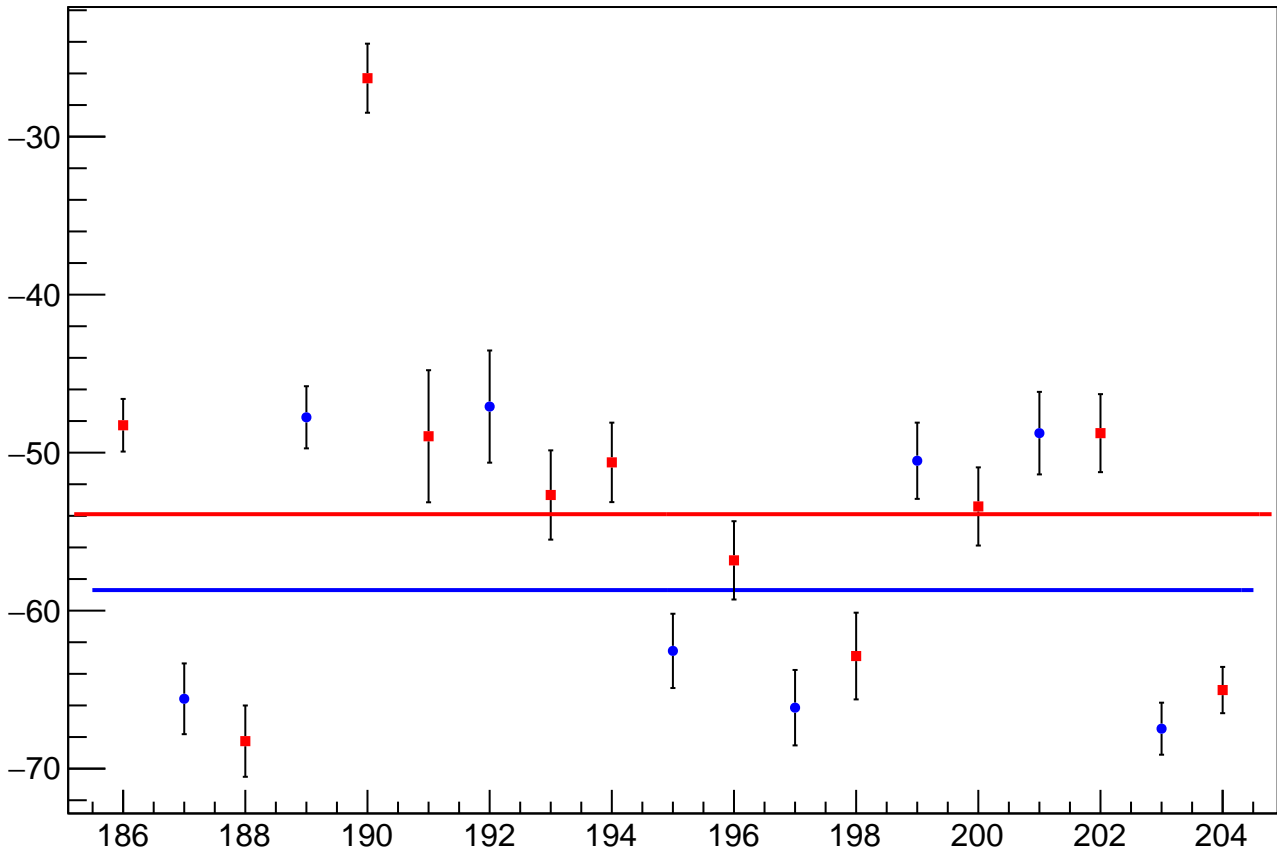
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.520 \pm 0.009$   $\chi^2/\text{NDF}$ : 1614.7/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usl\_diff\_bpm1X\_slope vs Slug



Right In:  $-58.699 \pm 0.795$   $\chi^2/\text{NDF}: 117.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-53.895 \pm 0.675$   $\chi^2/\text{NDF}: 288.8/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

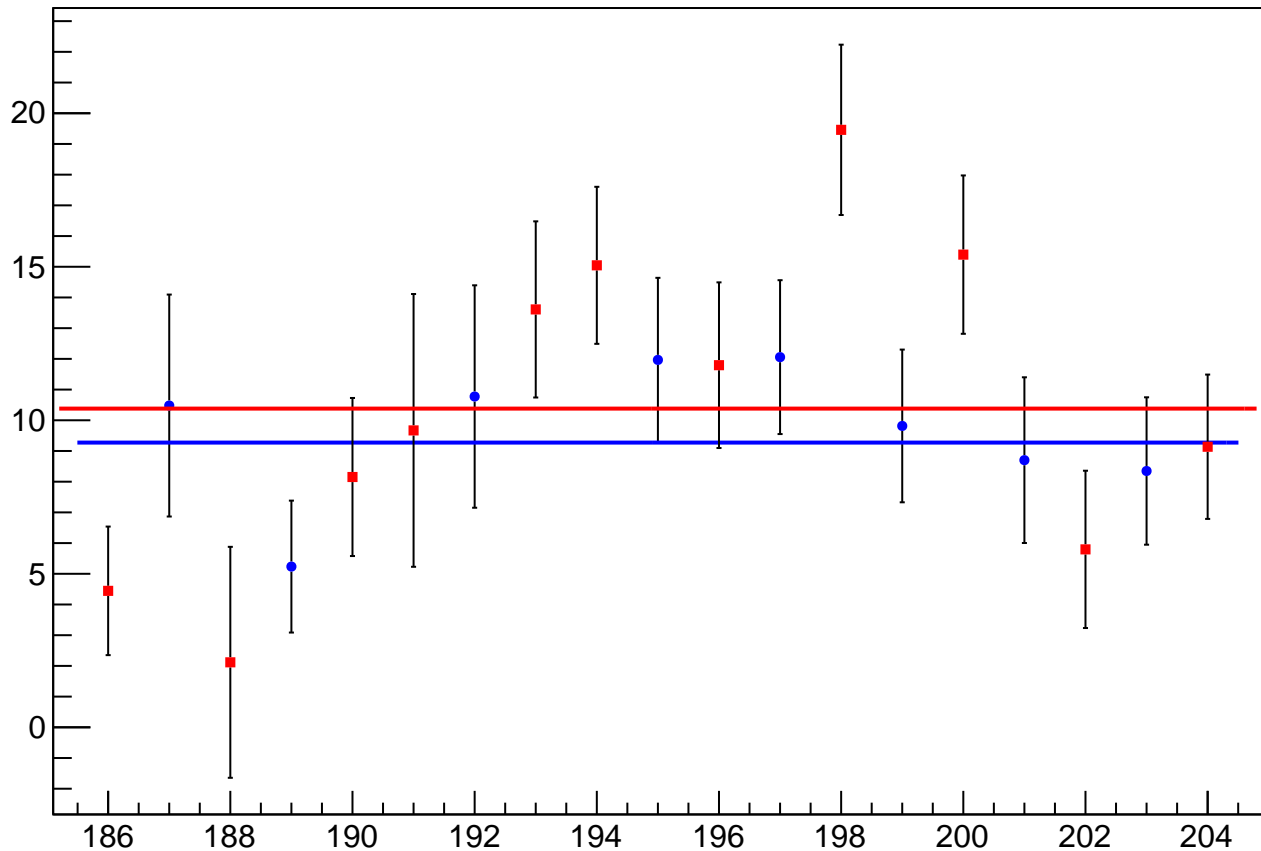
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-55.906 \pm 0.515$   $\chi^2/\text{NDF}: 427.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug



Right In: 9.274 $\pm$ 0.936  $\chi^2$ /NDF: 6.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 10.380 $\pm$ 0.810  $\chi^2$ /NDF: 36.5/10

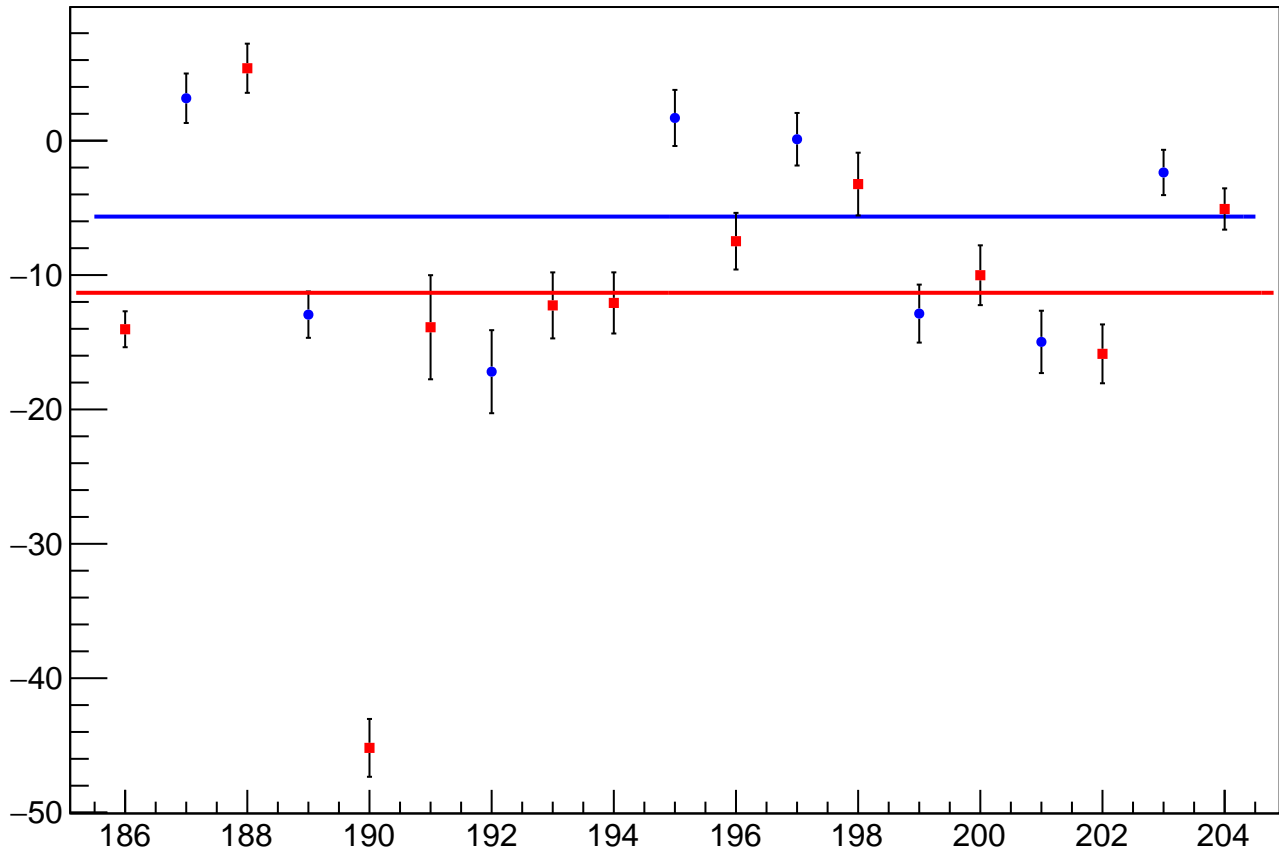
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 9.907 $\pm$ 0.612  $\chi^2$ /NDF: 43.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug



Right In:  $-5.649 \pm 0.711$   $\chi^2/\text{NDF}$ : 106.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-11.319 \pm 0.604$   $\chi^2/\text{NDF}$ : 372.2/10

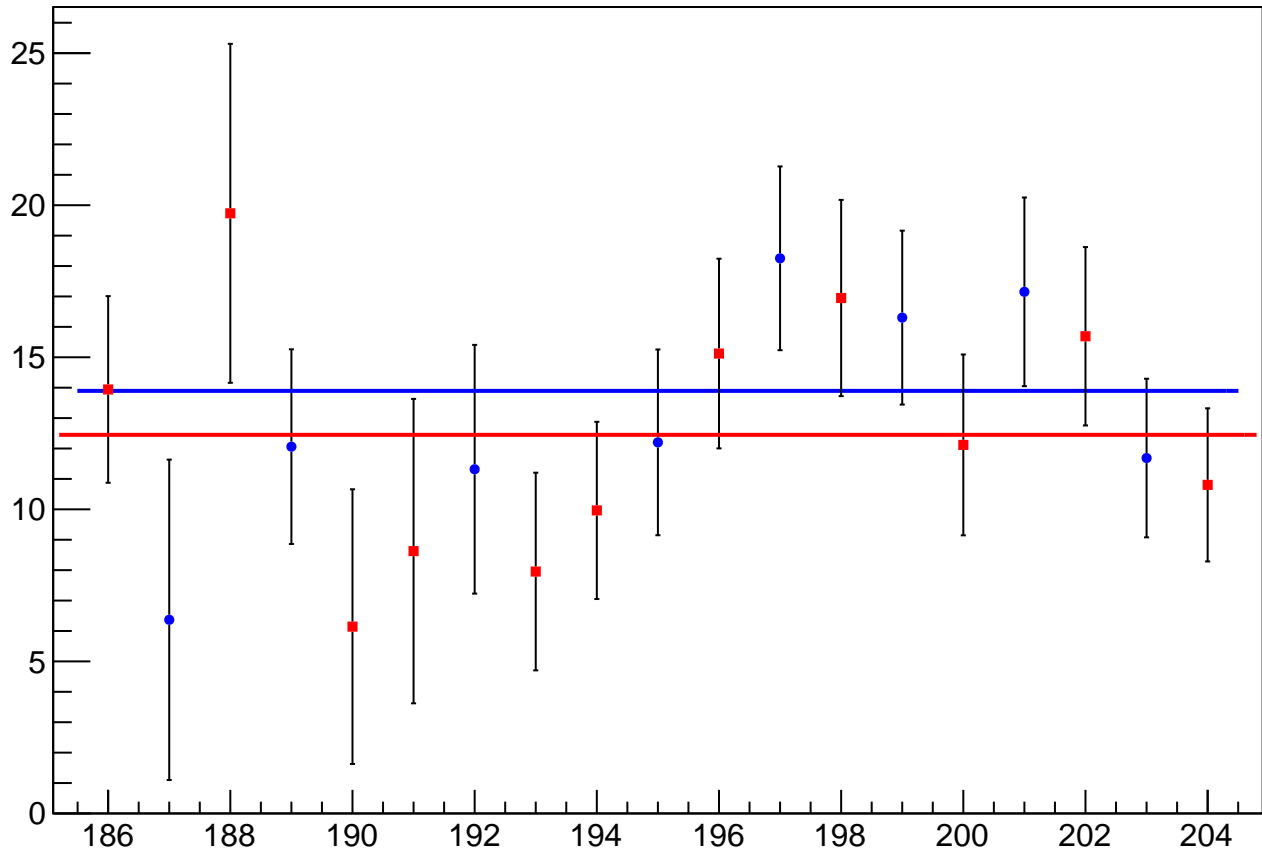
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-8.942 \pm 0.460$   $\chi^2/\text{NDF}$ : 516.1/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug



Right In: 13.895+/-1.130  $\chi^2$ /NDF: 7.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 12.450+/-0.987  $\chi^2$ /NDF: 11.5/10

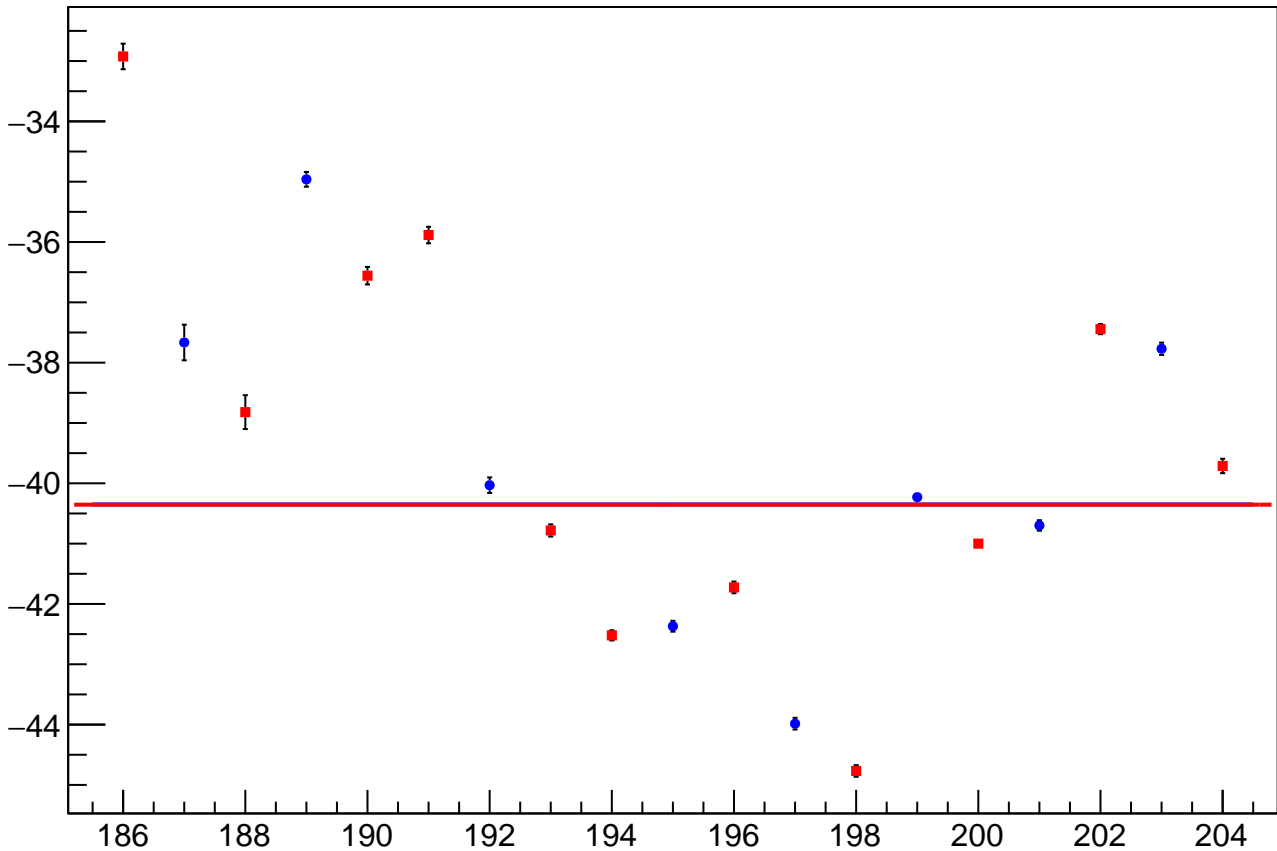
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 13.076+/-0.743  $\chi^2$ /NDF: 20.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug



Right In:  $-40.351 \pm 0.037$   $\chi^2/\text{NDF}: 4602.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-40.354 \pm 0.033$   $\chi^2/\text{NDF}: 7247.5/10$

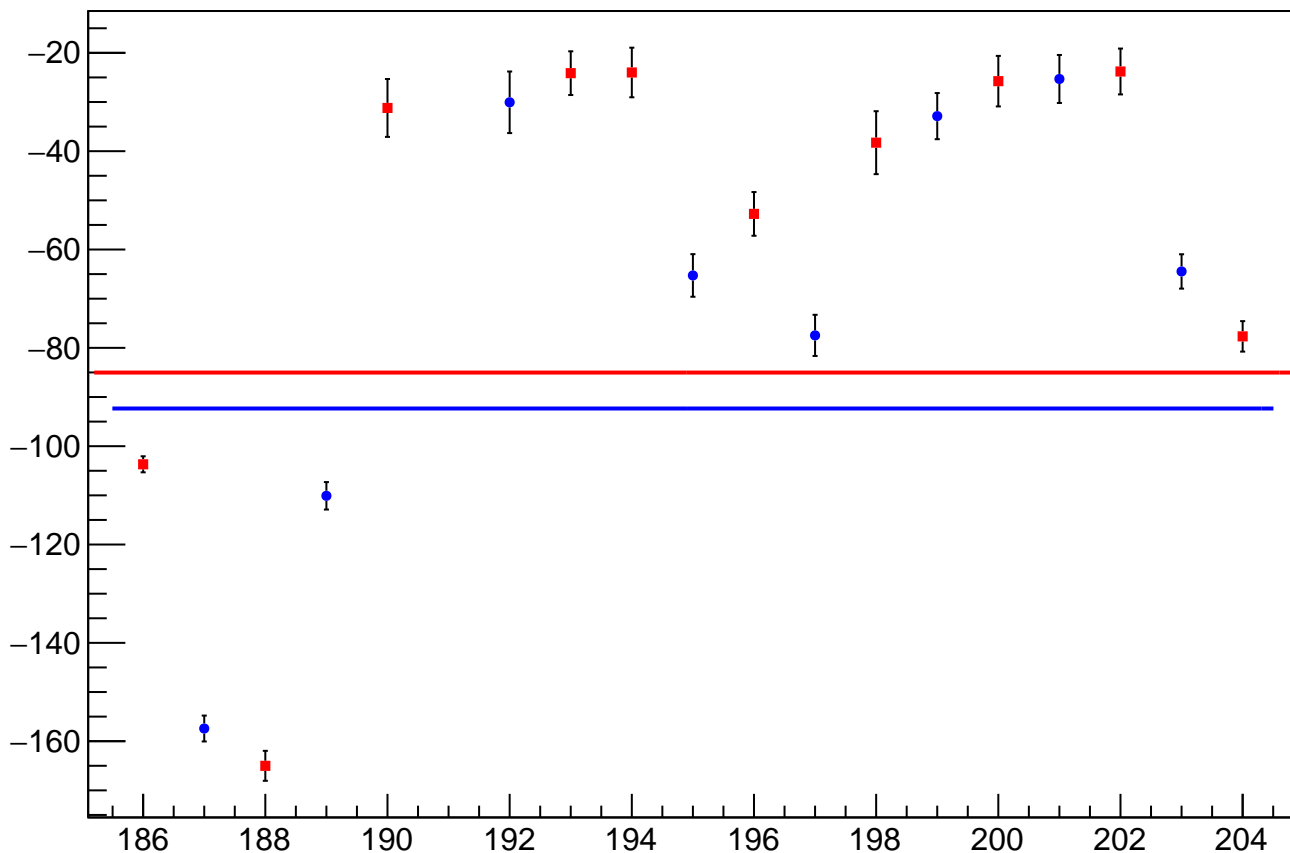
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-40.353 \pm 0.024$   $\chi^2/\text{NDF}: 11849.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_usr\_diff\_bpm1X\_slope vs Slug



Right In:  $-92.335 \pm 1.315$   $\chi^2/\text{NDF}: 1215.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-85.024 \pm 1.075$   $\chi^2/\text{NDF}: 1654.7/9$

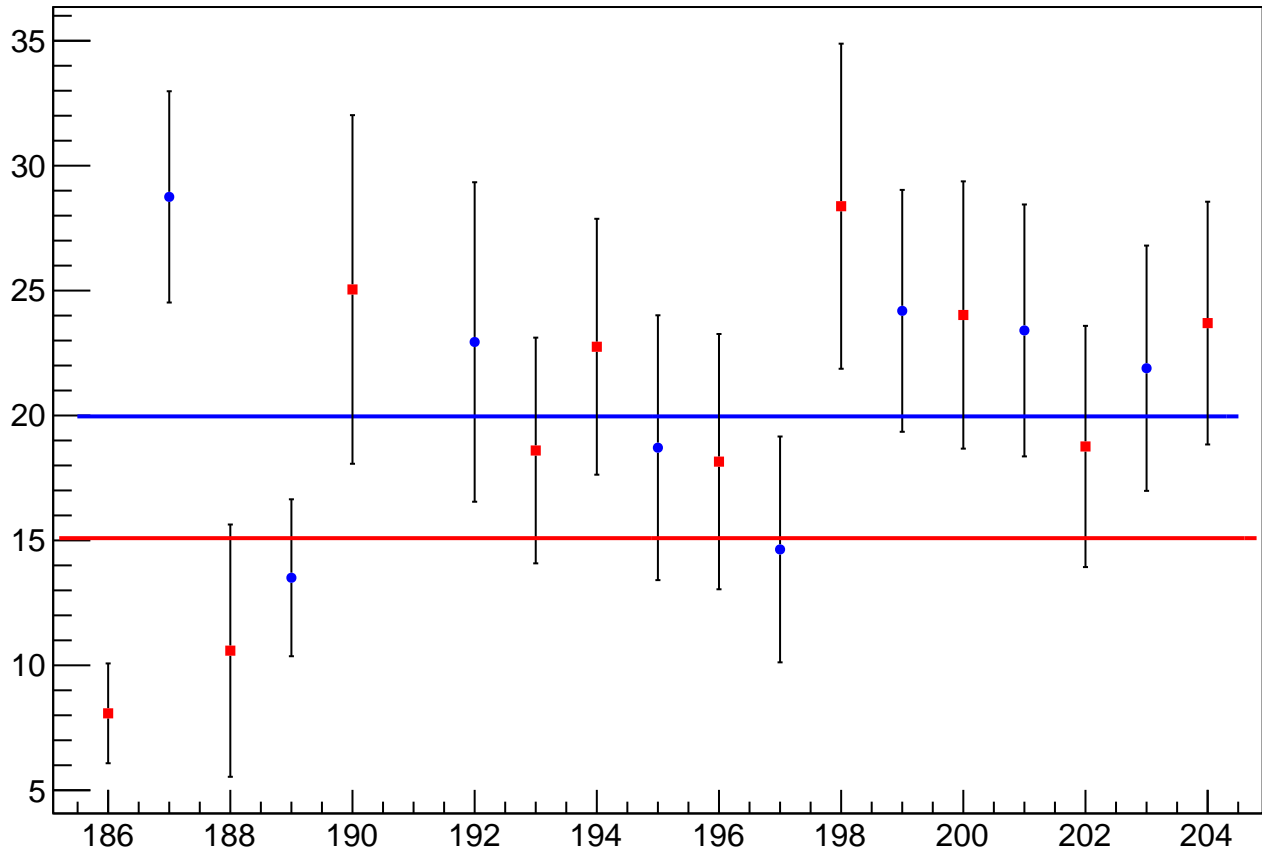
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-87.952 \pm 0.832$   $\chi^2/\text{NDF}: 2888.7/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug



Right In: 19.964 $\pm$ 1.602  $\chi^2$ /NDF: 11.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 15.090 $\pm$ 1.313  $\chi^2$ /NDF: 29.0/9

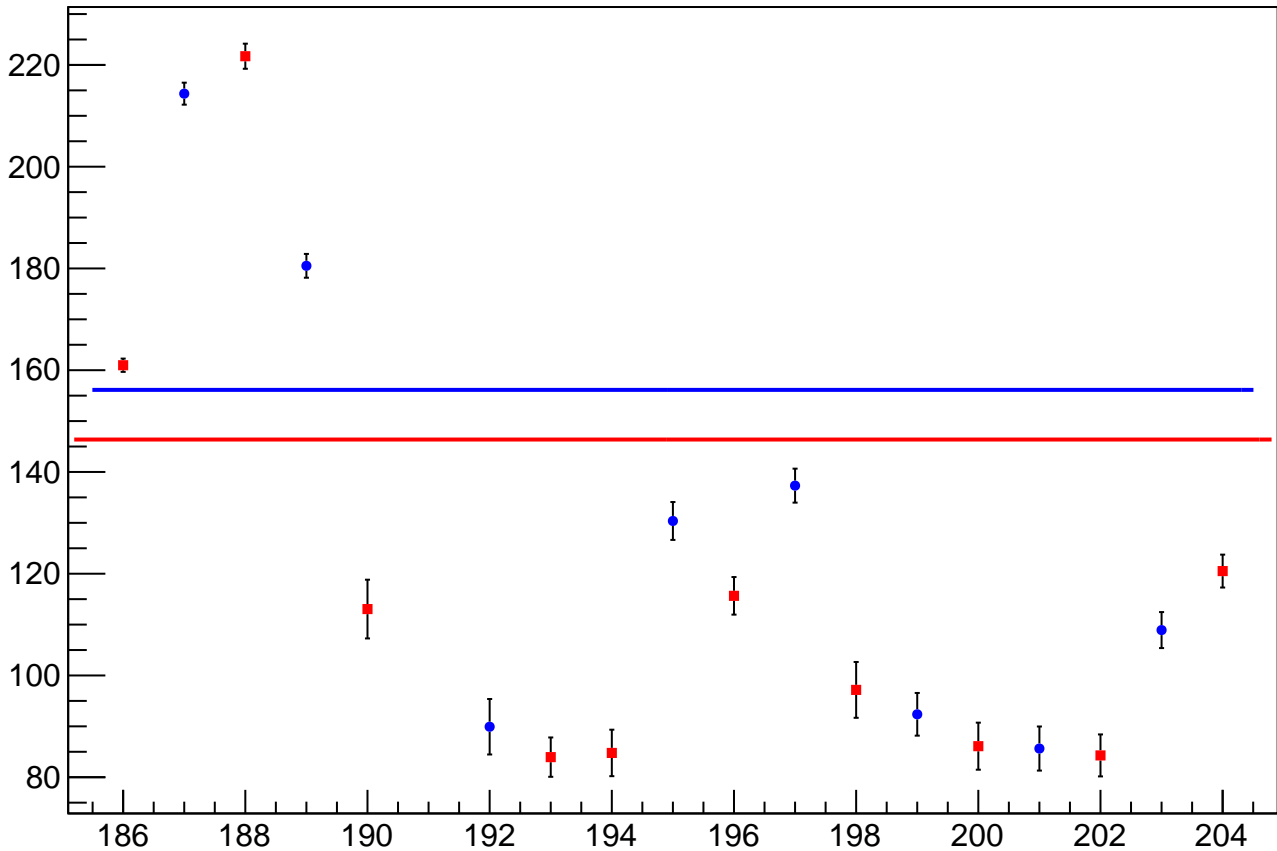
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.050 $\pm$ 1.016  $\chi^2$ /NDF: 46.2/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug



Right In: 156.132 $\pm$ 1.131  $\chi^2$ /NDF: 1735.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 146.374 $\pm$ 0.911  $\chi^2$ /NDF: 2143.4/9

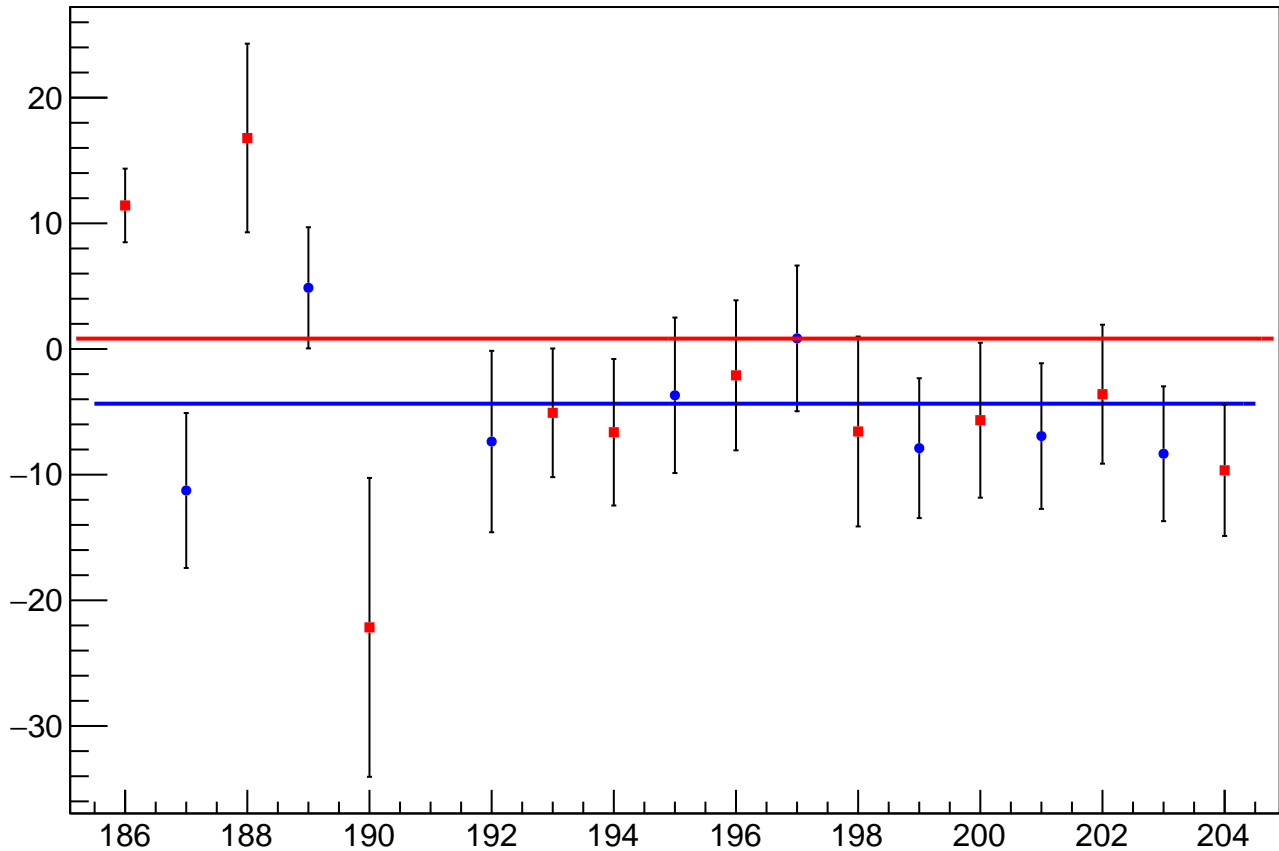
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 150.216 $\pm$ 0.710  $\chi^2$ /NDF: 3923.7/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug



Right In:  $-4.352 \pm 2.036$   $\chi^2/\text{NDF}: 7.1/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.826 \pm 1.690$   $\chi^2/\text{NDF}: 31.3/9$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

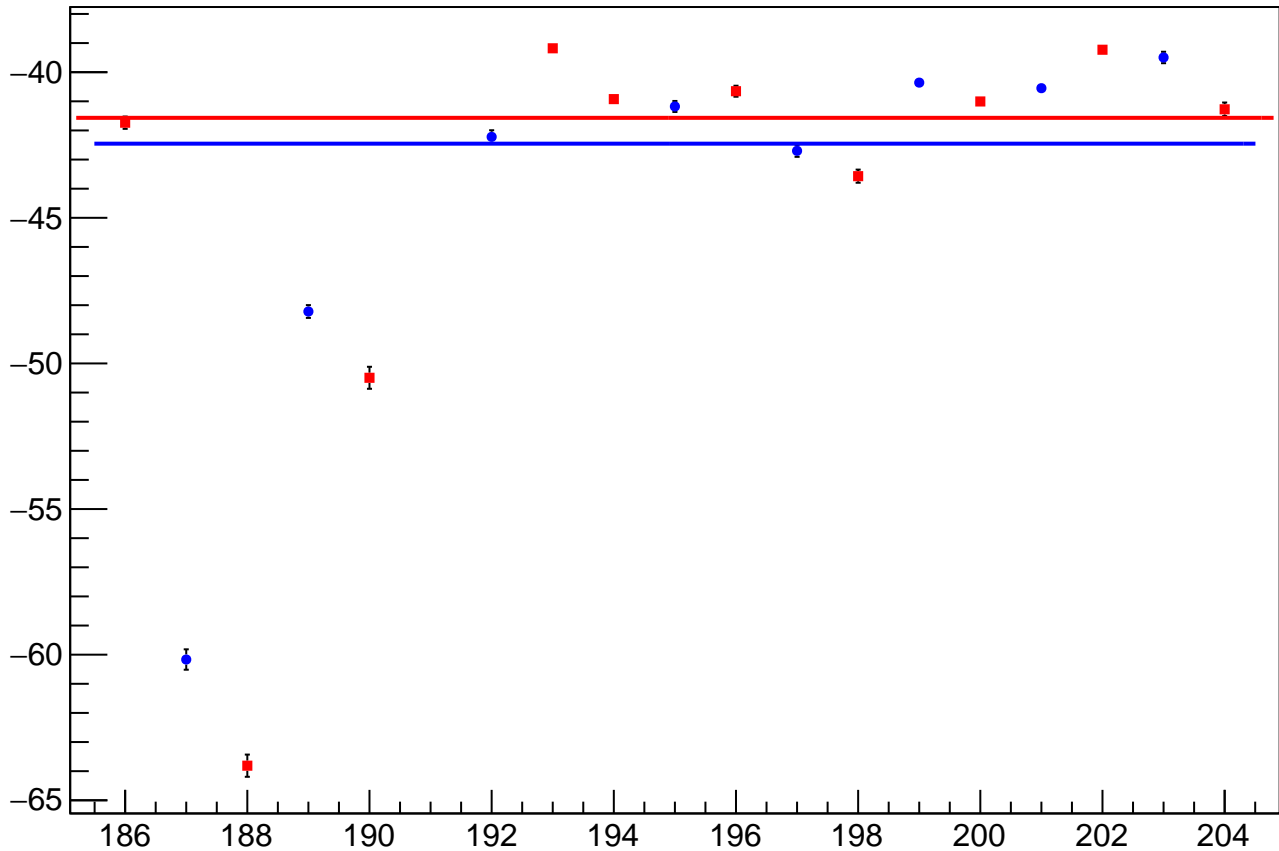
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.286 \pm 1.300$   $\chi^2/\text{NDF}: 42.2/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug



Right In:  $-42.454 \pm 0.070$   $\chi^2/\text{NDF}: 3826.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-41.567 \pm 0.063$   $\chi^2/\text{NDF}: 4529.8/9$

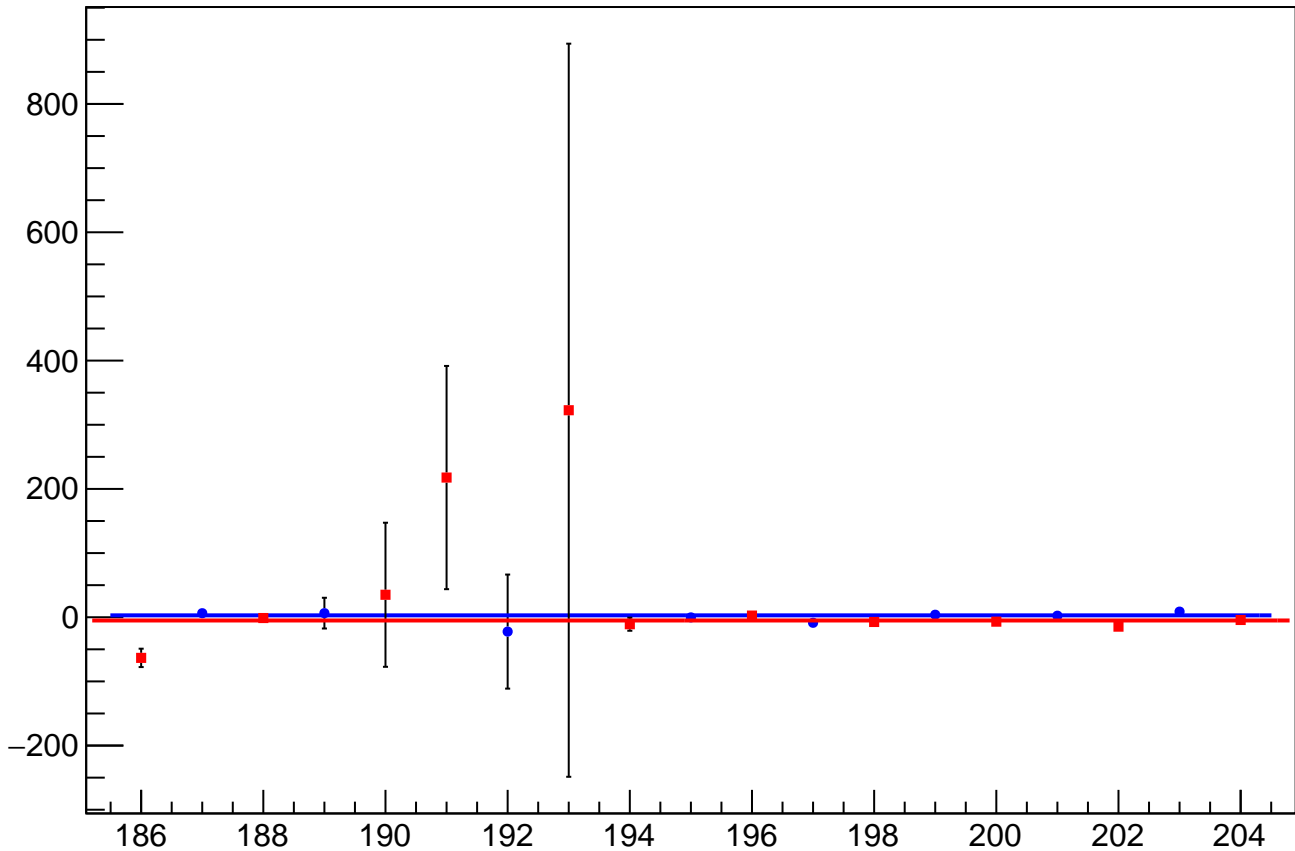
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-41.964 \pm 0.047$   $\chi^2/\text{NDF}: 8444.5/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_dsl\_diff\_bpm1X\_slope vs Slug



Right In: 2.951+/-1.809  $\chi^2$ /NDF: 9.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5.051+/-1.862  $\chi^2$ /NDF: 25.3/10

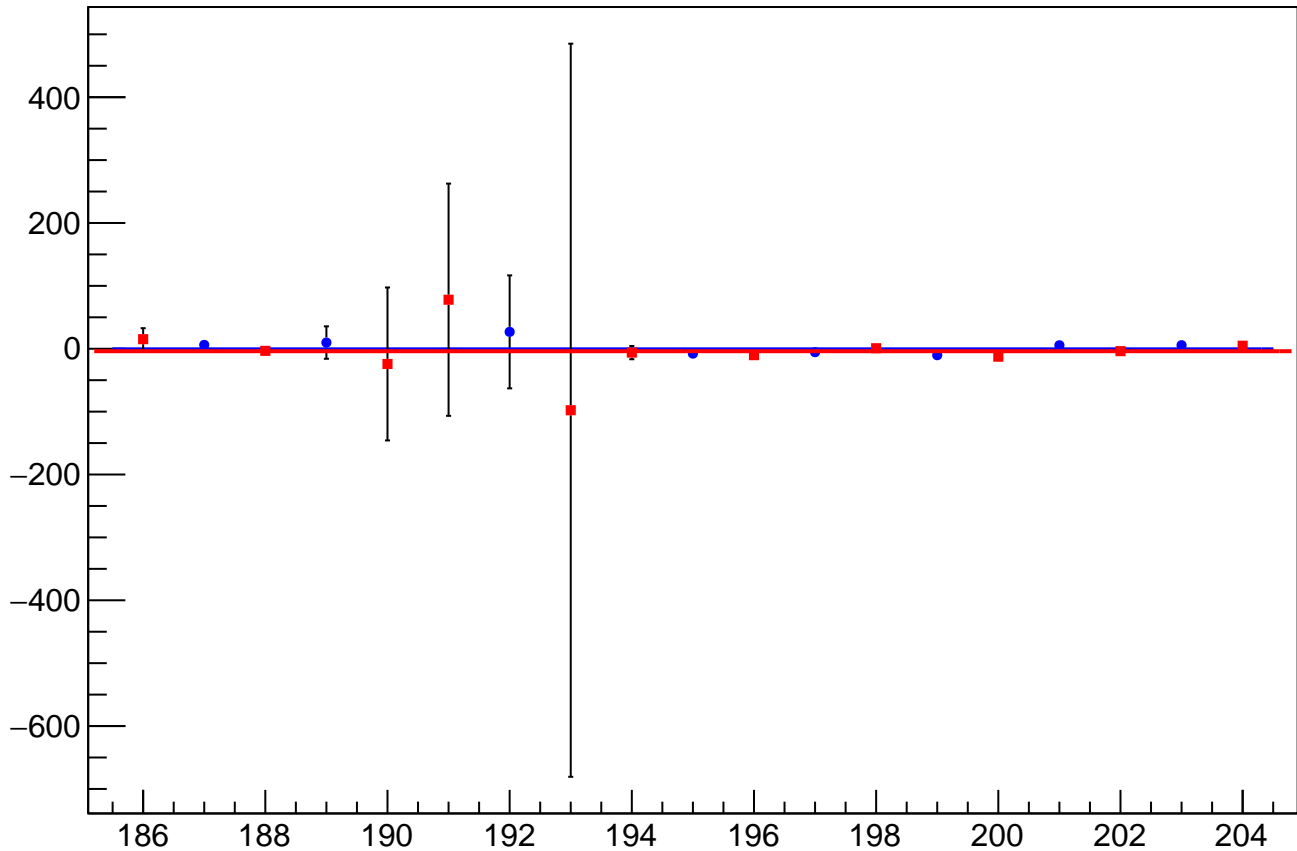
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -0.935+/-1.297  $\chi^2$ /NDF: 44.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug



Right In:  $-0.938 \pm 2.283$   $\chi^2/\text{NDF}$ : 9.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.922 \pm 2.373$   $\chi^2/\text{NDF}$ : 7.0/10

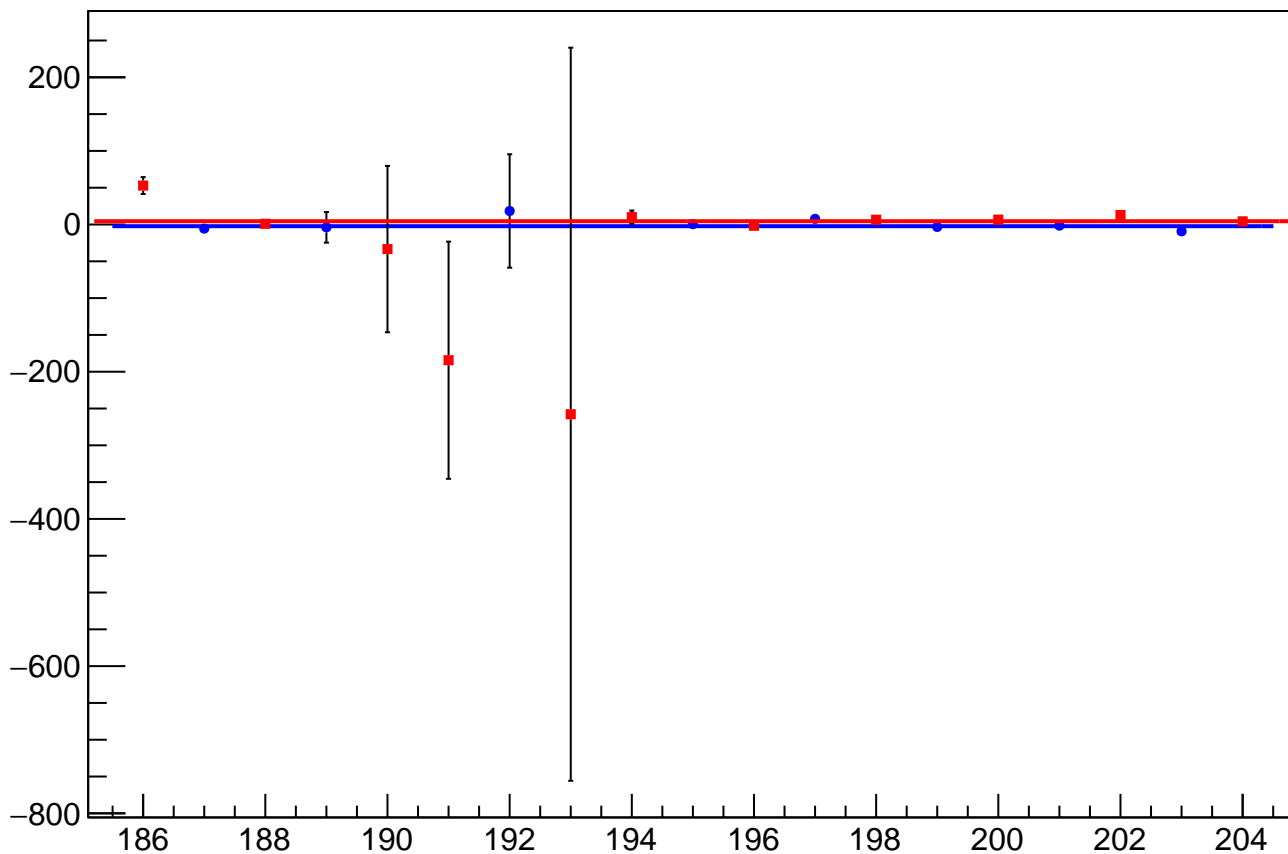
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.372 \pm 1.645$   $\chi^2/\text{NDF}$ : 16.9/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug



Right In: -2.295+/-1.558  $\chi^2$ /NDF: 11.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.496+/-1.621  $\chi^2$ /NDF: 26.6/10

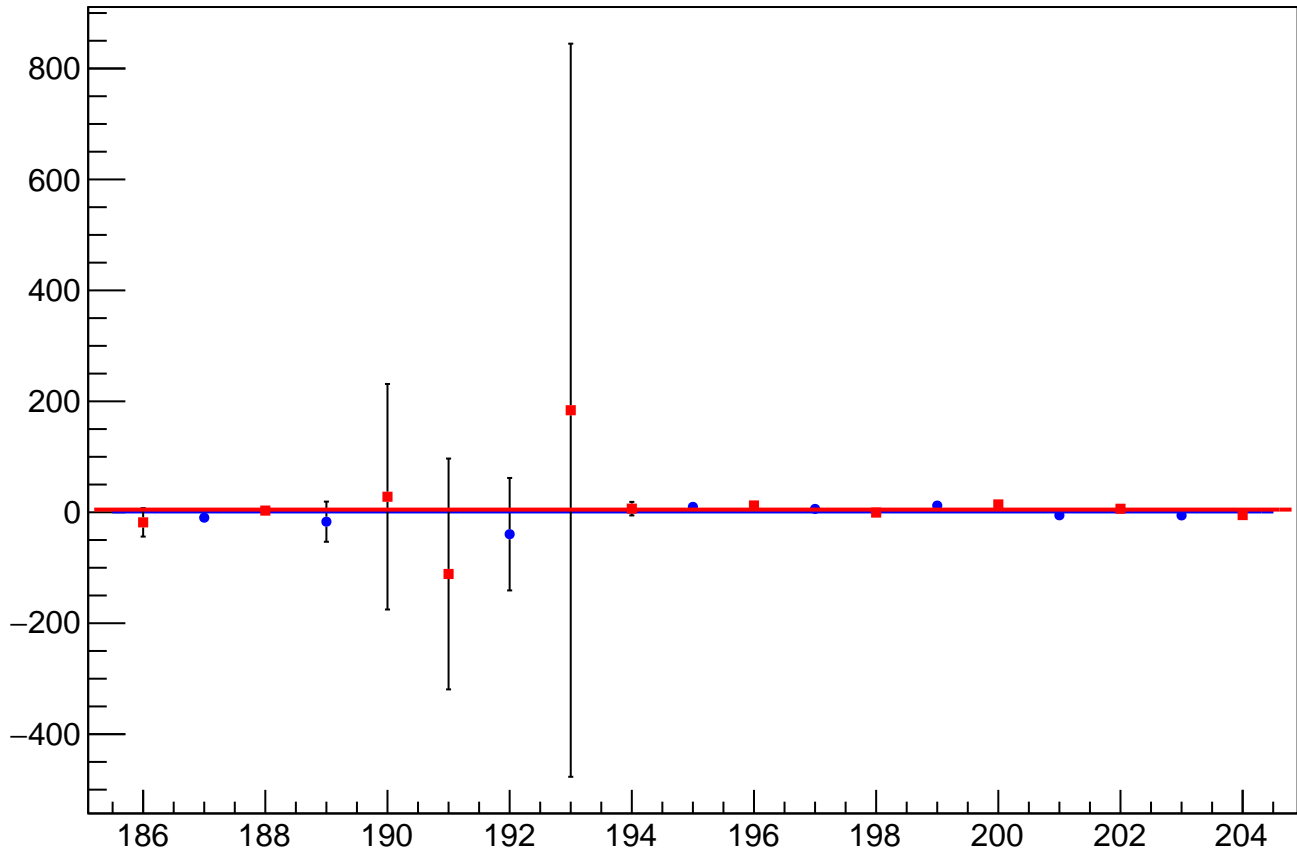
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.966+/-1.123  $\chi^2$ /NDF: 47.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug



Right In: 1.489+/-2.785  $\chi^2$ /NDF: 9.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4.836+/-2.837  $\chi^2$ /NDF: 6.8/10

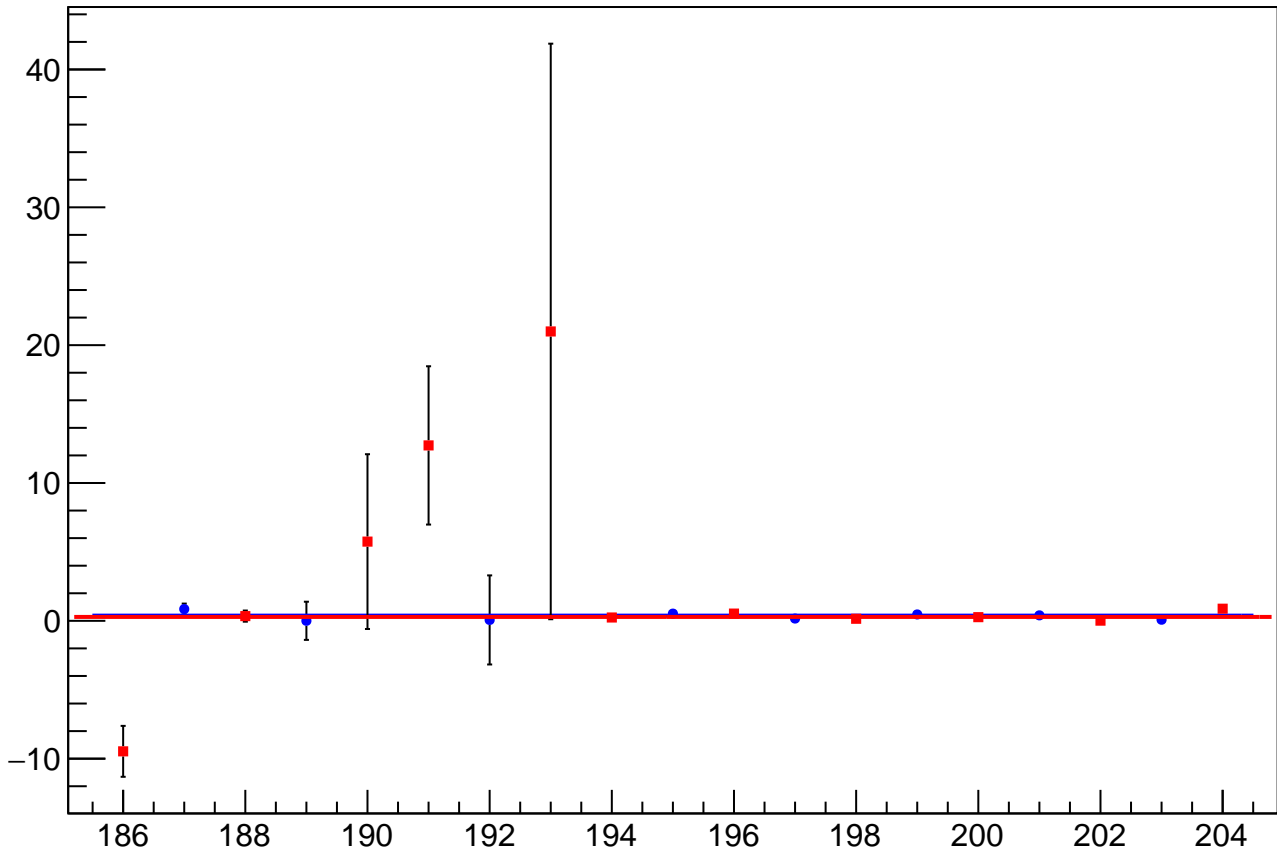
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 3.131+/-1.987  $\chi^2$ /NDF: 16.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug



Right In: 0.377 $\pm$ 0.093  $\chi^2$ /NDF: 4.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.283 $\pm$ 0.093  $\chi^2$ /NDF: 41.6/10

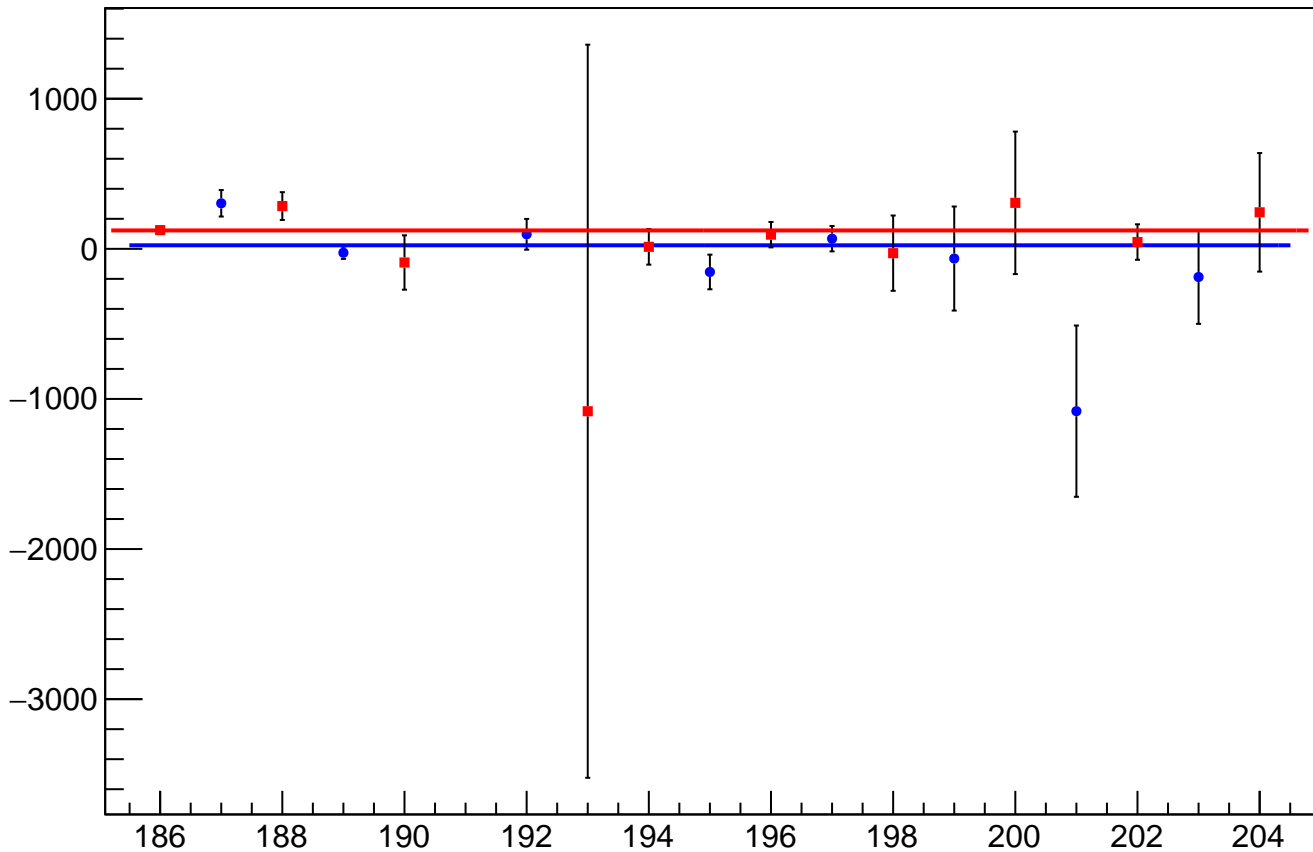
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.330 $\pm$ 0.066  $\chi^2$ /NDF: 46.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsr\_diff\_bpm1X\_slope vs Slug



Right In: 23.538+/-30.774  $\chi^2$ /NDF: 19.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 122.634+/-17.463  $\chi^2$ /NDF: 6.7/9

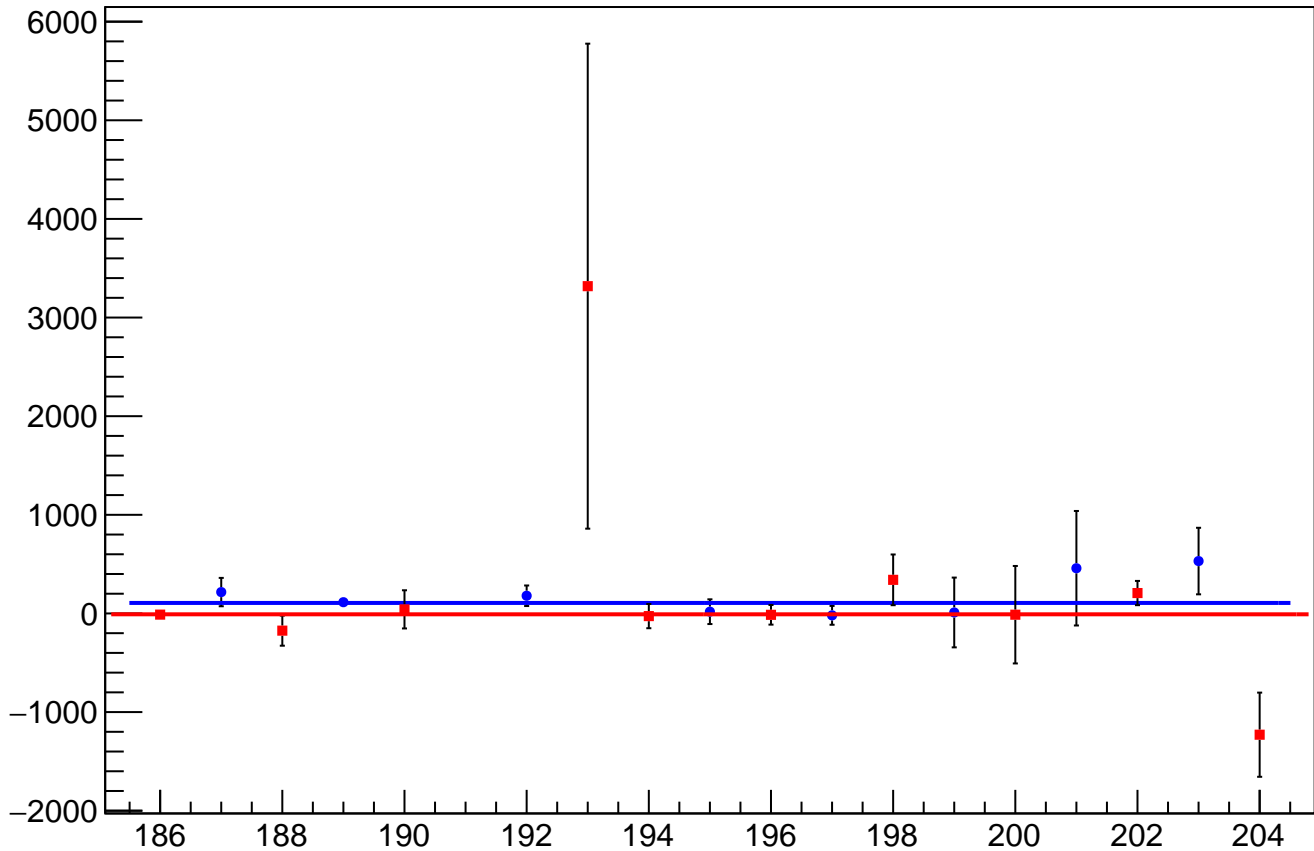
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 98.497+/-15.188  $\chi^2$ /NDF: 33.5/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug



Right In: 106.568 $\pm$ 35.609  $\chi^2$ /NDF: 5.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -8.707 $\pm$ 21.427  $\chi^2$ /NDF: 16.2/9

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

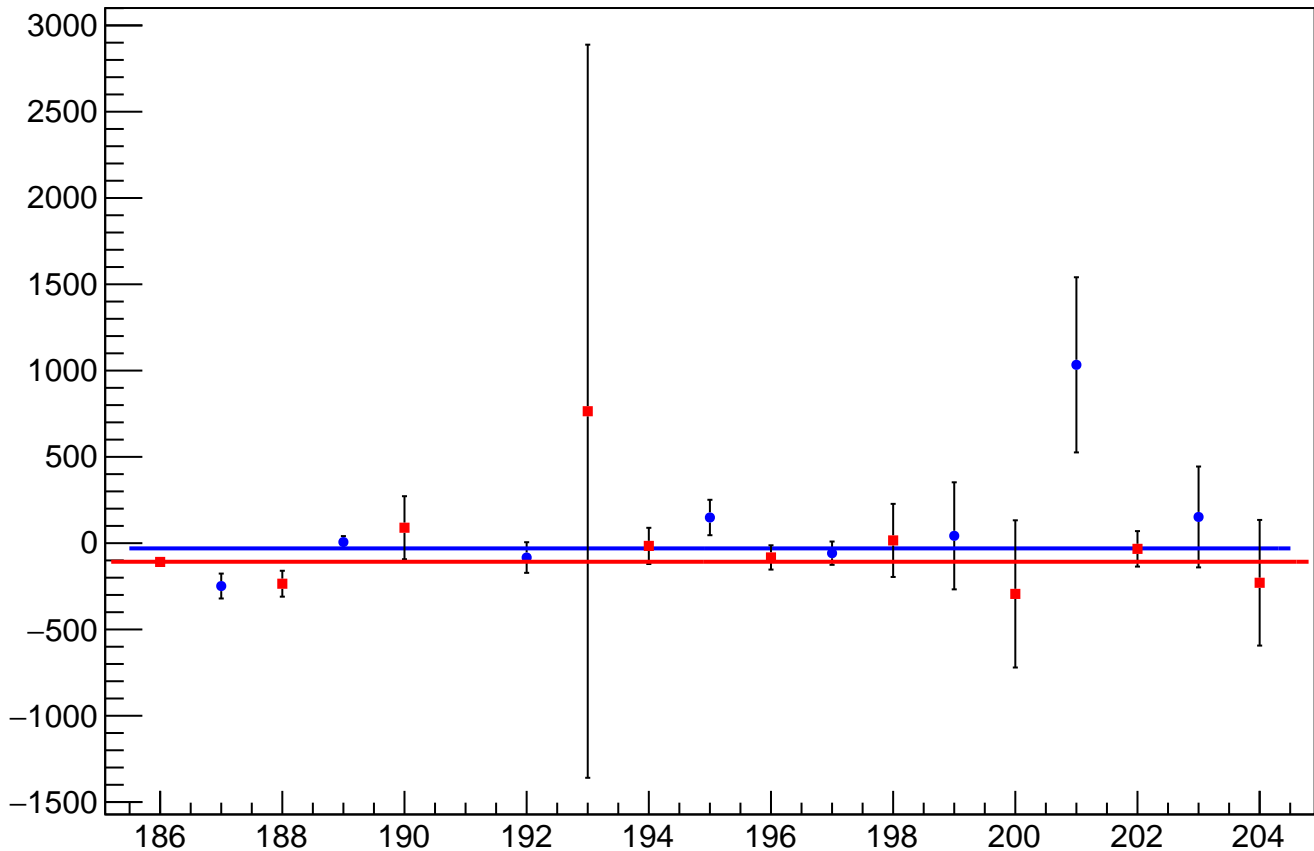
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 21.937 $\pm$ 18.359  $\chi^2$ /NDF: 29.3/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug



Right In:  $-30.265 \pm 25.849$   $\chi^2/\text{NDF}$ : 18.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-107.653 \pm 14.124$   $\chi^2/\text{NDF}$ : 6.3/9

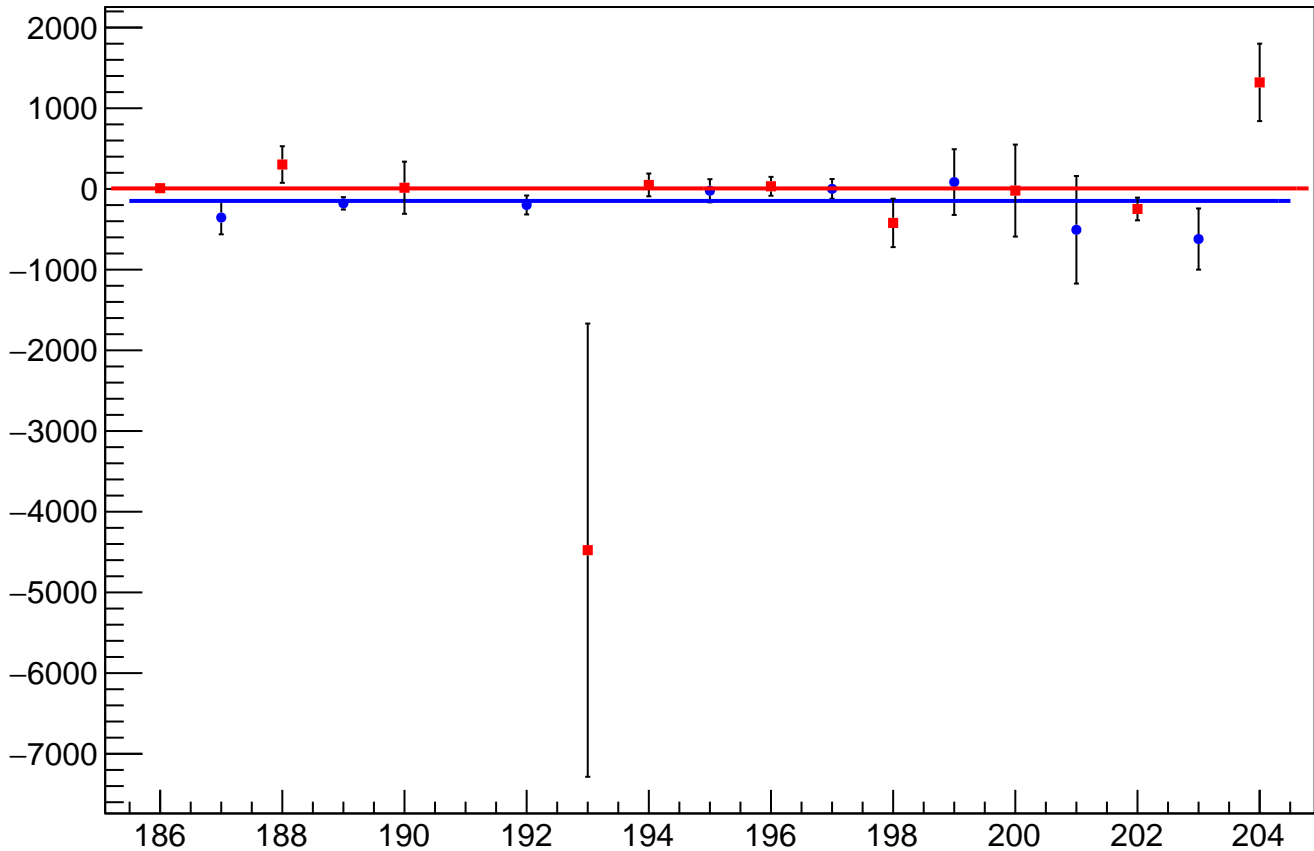
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-89.860 \pm 12.395$   $\chi^2/\text{NDF}$ : 31.9/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug



Right In:  $-148.401 \pm 50.236$   $\chi^2/\text{NDF}: 5.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $6.382 \pm 30.372$   $\chi^2/\text{NDF}: 17.2/9$

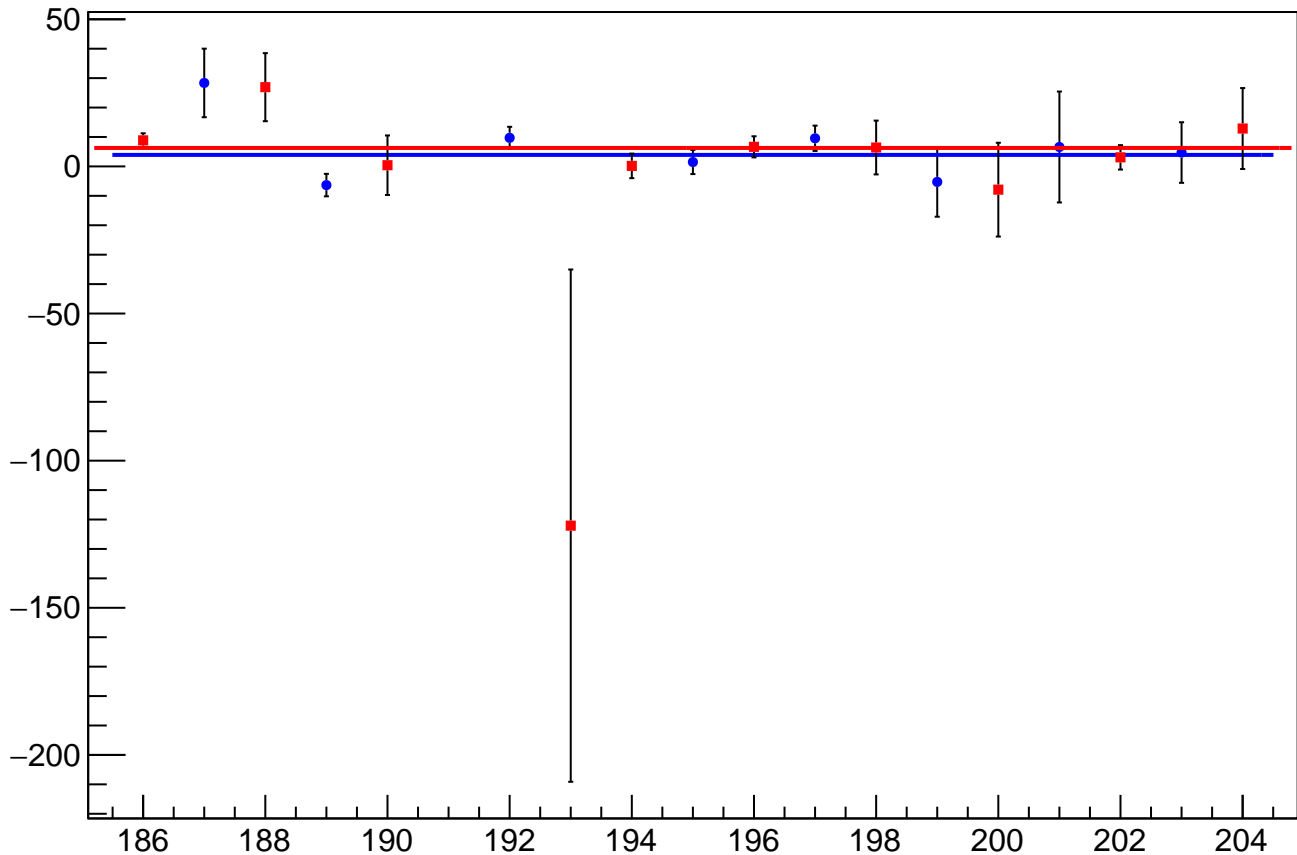
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-35.051 \pm 25.991$   $\chi^2/\text{NDF}: 29.9/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug



Right In: 3.913+/-1.890  $\chi^2$ /NDF: 16.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6.275+/-1.572  $\chi^2$ /NDF: 10.6/9

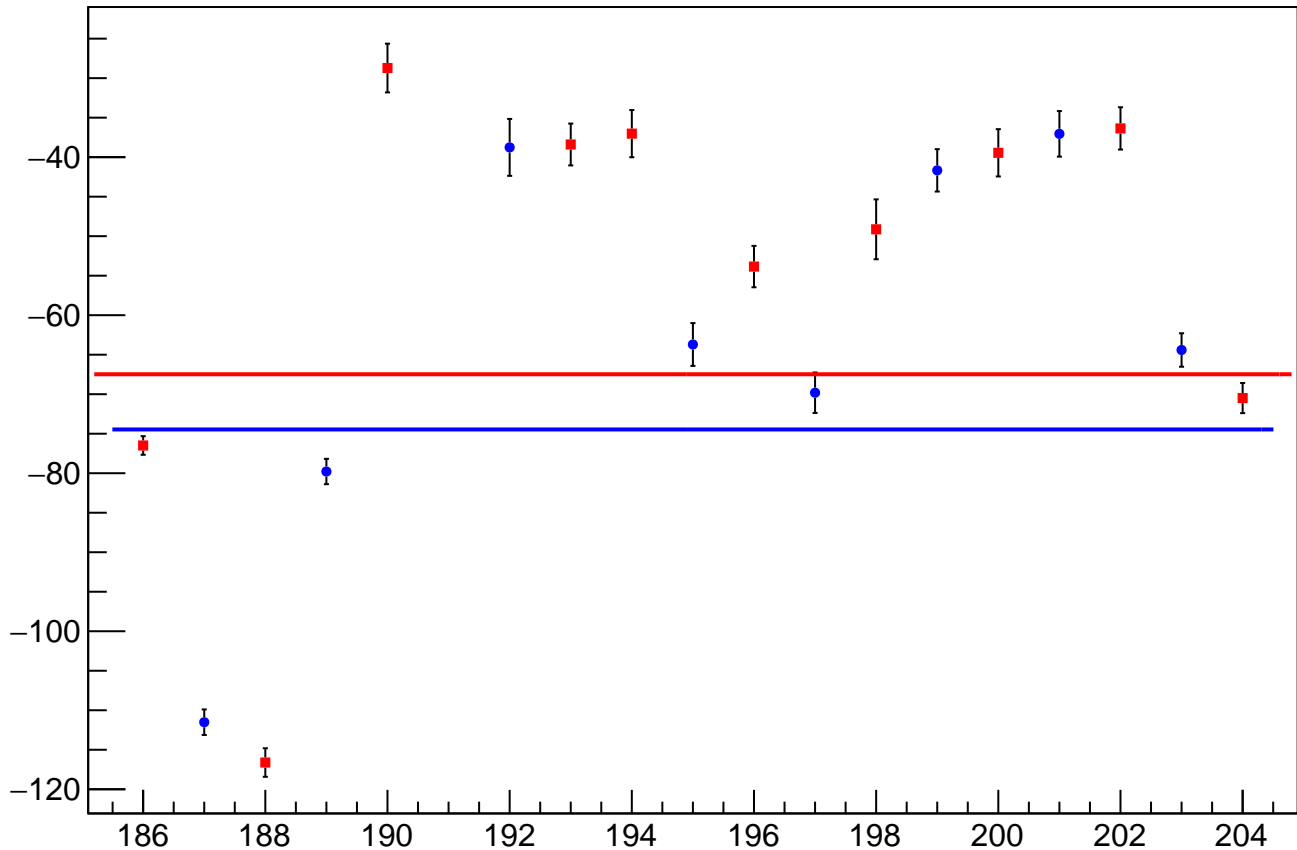
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 5.309+/-1.208  $\chi^2$ /NDF: 28.3/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-74.462 \pm 0.786$   $\chi^2/\text{NDF}: 993.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-67.475 \pm 0.685$   $\chi^2/\text{NDF}: 1457.2/9$

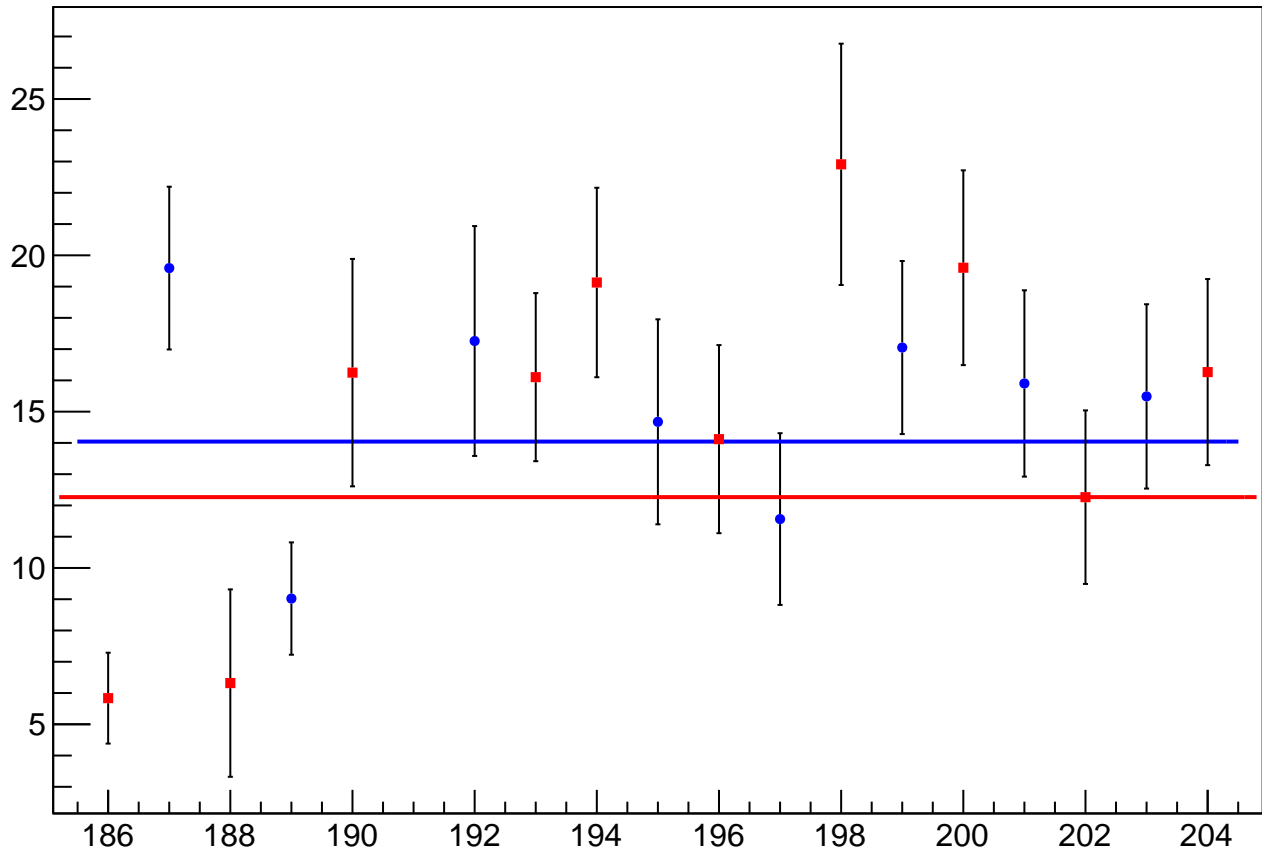
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-70.494 \pm 0.517$   $\chi^2/\text{NDF}: 2495.4/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 14.043+/-0.947  $\chi^2$ /NDF: 15.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 12.266+/-0.836  $\chi^2$ /NDF: 47.2/9

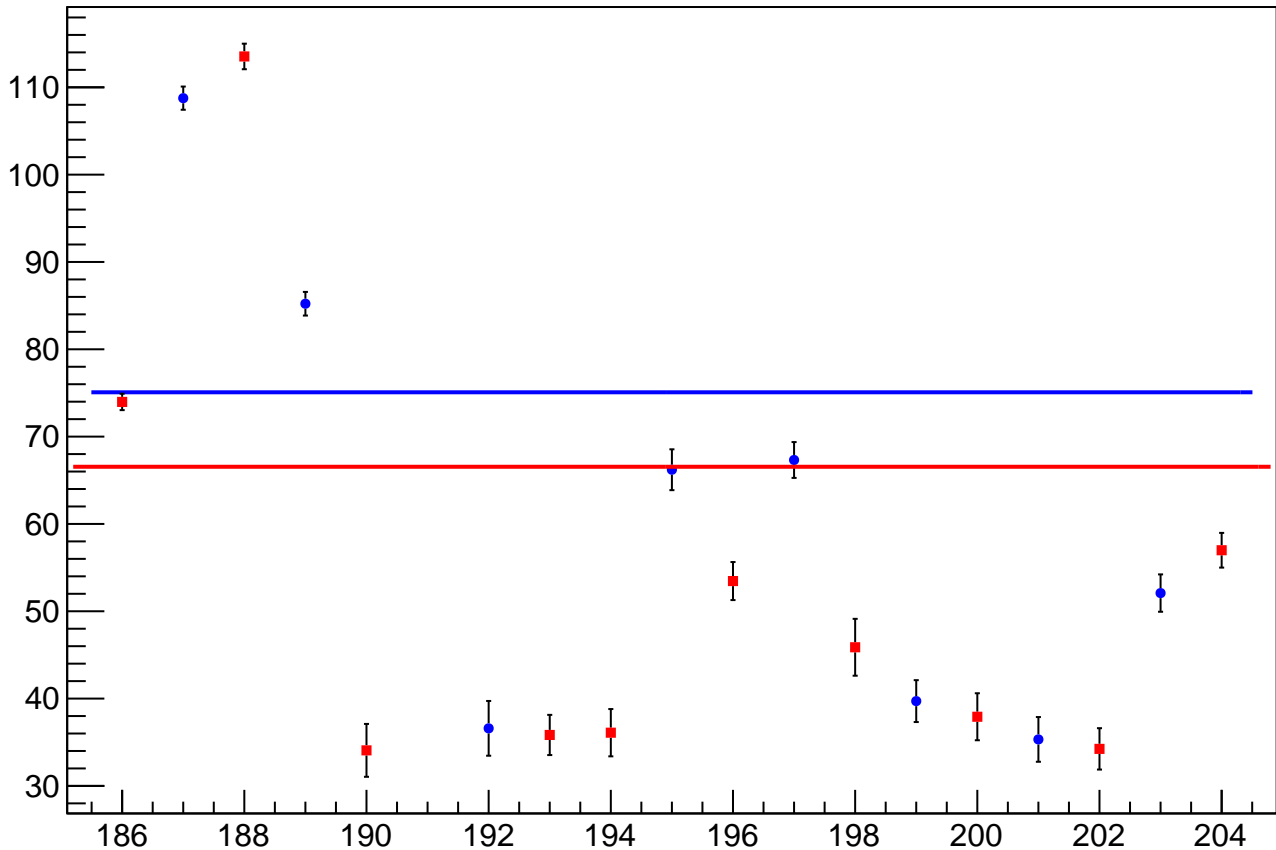
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 13.044+/-0.627  $\chi^2$ /NDF: 65.0/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 75.075 $\pm$ 0.677  $\chi^2$ /NDF: 1452.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 66.548 $\pm$ 0.587  $\chi^2$ /NDF: 1911.7/9

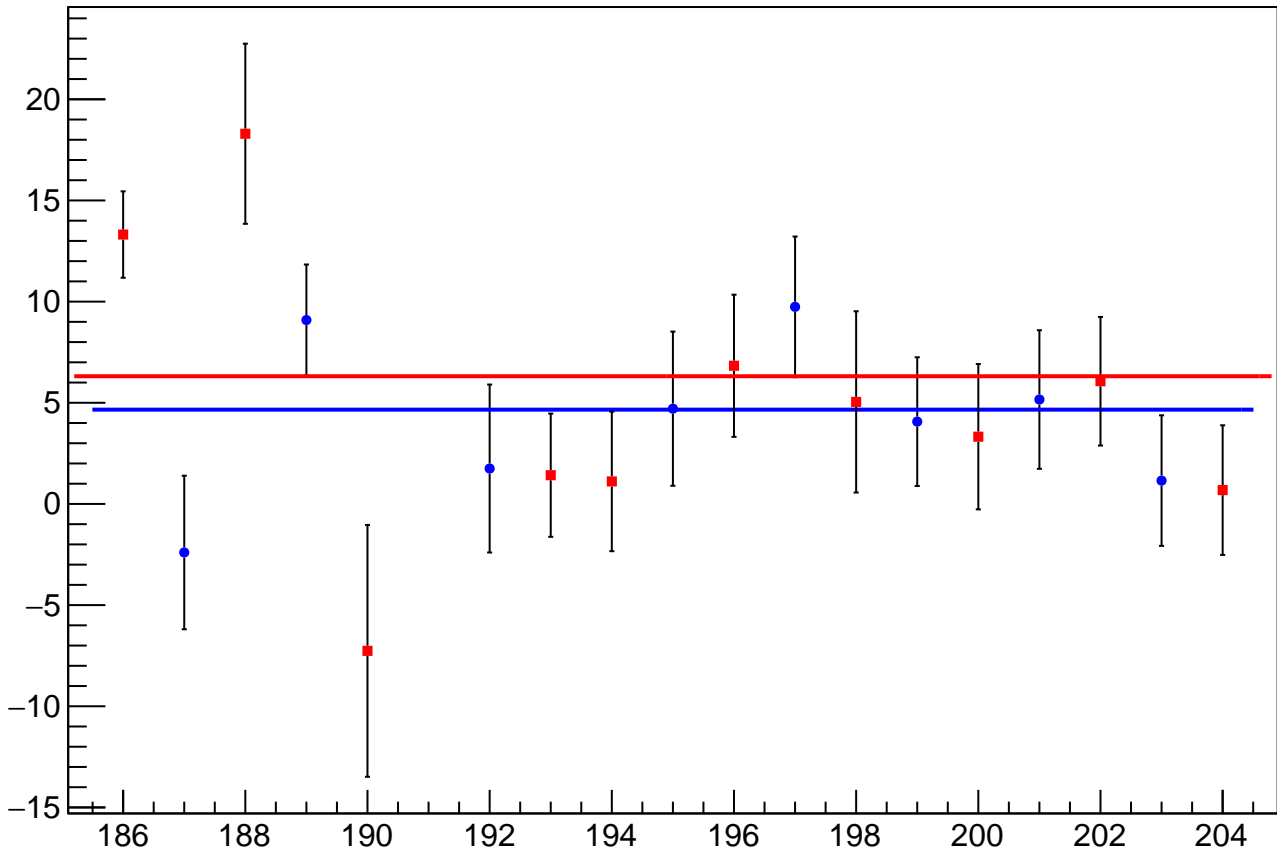
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 70.202 $\pm$ 0.443  $\chi^2$ /NDF: 3454.2/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 4.661 $\pm$ 1.202  $\chi^2$ /NDF: 9.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.312 $\pm$ 1.059  $\chi^2$ /NDF: 31.5/9

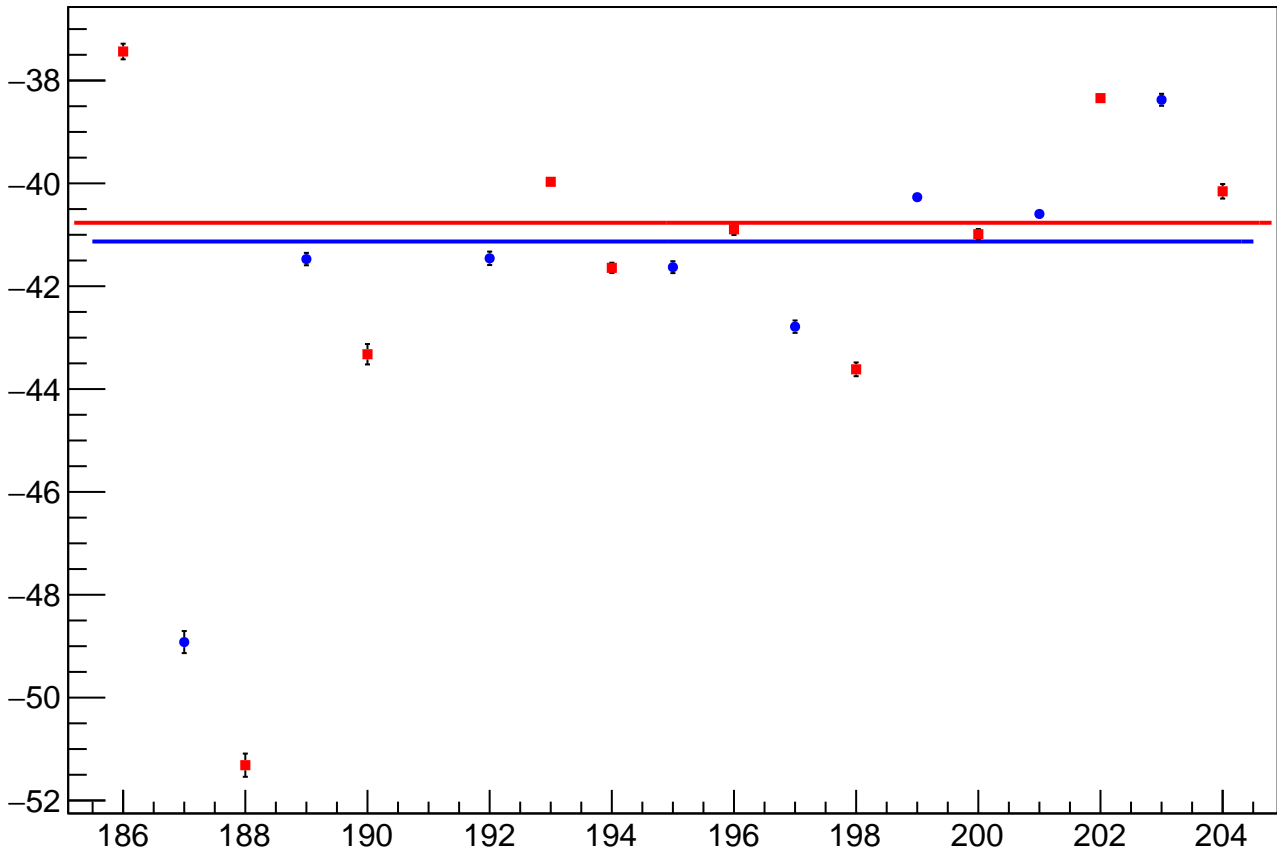
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.591 $\pm$ 0.794  $\chi^2$ /NDF: 42.5/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-41.131 \pm 0.041$   $\chi^2/\text{NDF}: 2215.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-40.766 \pm 0.038$   $\chi^2/\text{NDF}: 4153.3/9$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

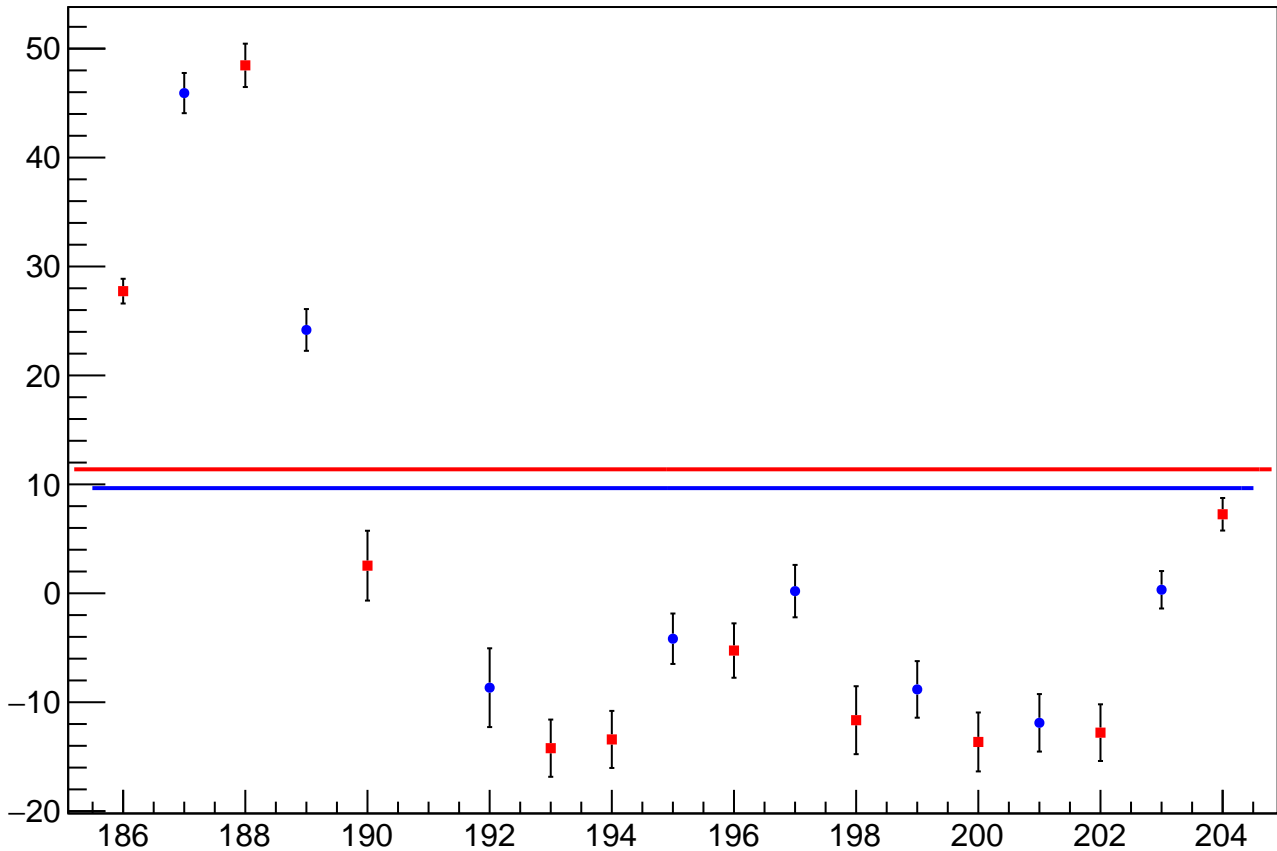
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-40.933 \pm 0.028$   $\chi^2/\text{NDF}: 6412.0/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_us\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 9.654 $\pm$ 0.783  $\chi^2$ /NDF: 667.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11.381 $\pm$ 0.644  $\chi^2$ /NDF: 1025.6/9

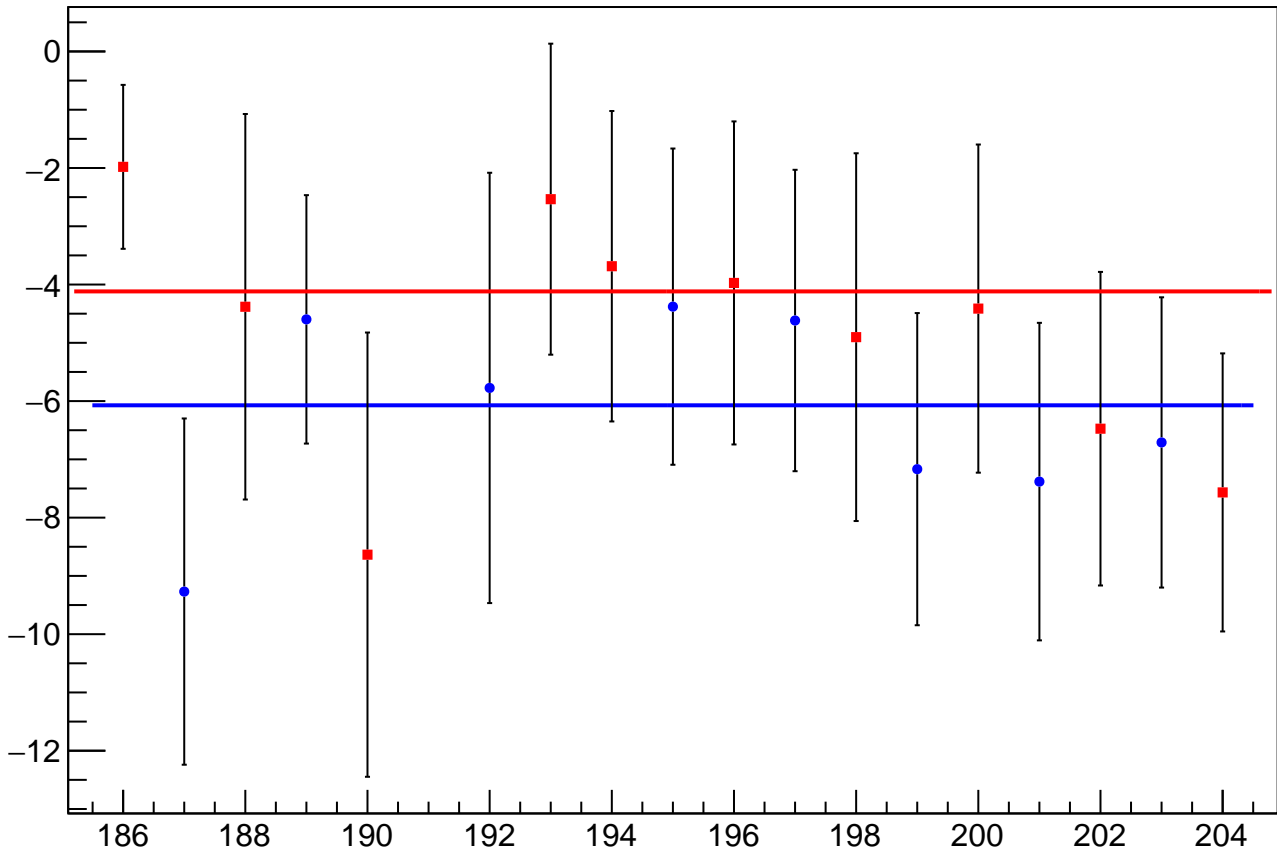
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.684 $\pm$ 0.497  $\chi^2$ /NDF: 1695.7/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-6.072 \pm 0.942$   $\chi^2/\text{NDF}$ : 2.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4.118 \pm 0.786$   $\chi^2/\text{NDF}$ : 7.0/9

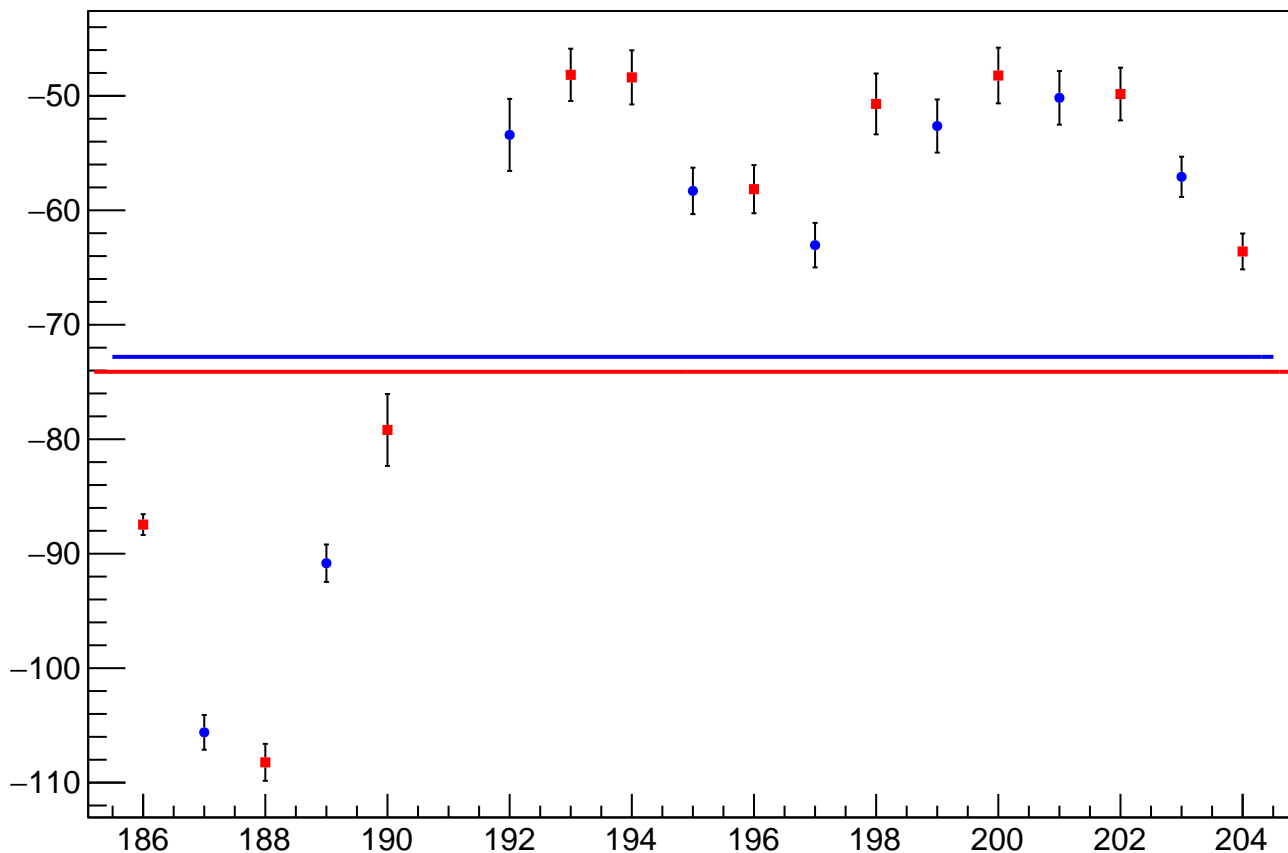
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-4.921 \pm 0.604$   $\chi^2/\text{NDF}$ : 12.4/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-72.802 \pm 0.689$   $\chi^2/\text{NDF}: 953.1/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-74.108 \pm 0.560$   $\chi^2/\text{NDF}: 1316.5/9$

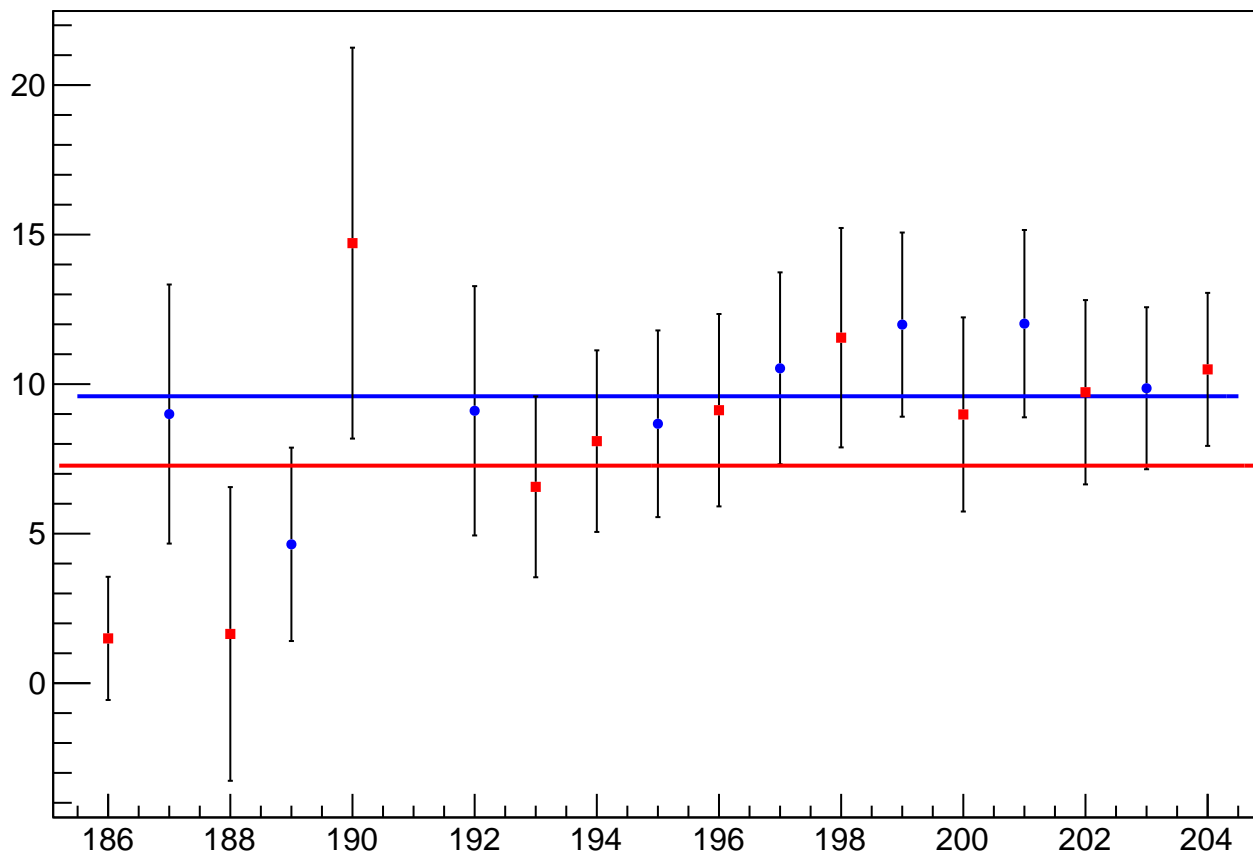
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-73.589 \pm 0.434$   $\chi^2/\text{NDF}: 2271.8/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 9.594 $\pm$ 1.155  $\chi^2$ /NDF: 3.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.274 $\pm$ 0.979  $\chi^2$ /NDF: 14.8/9

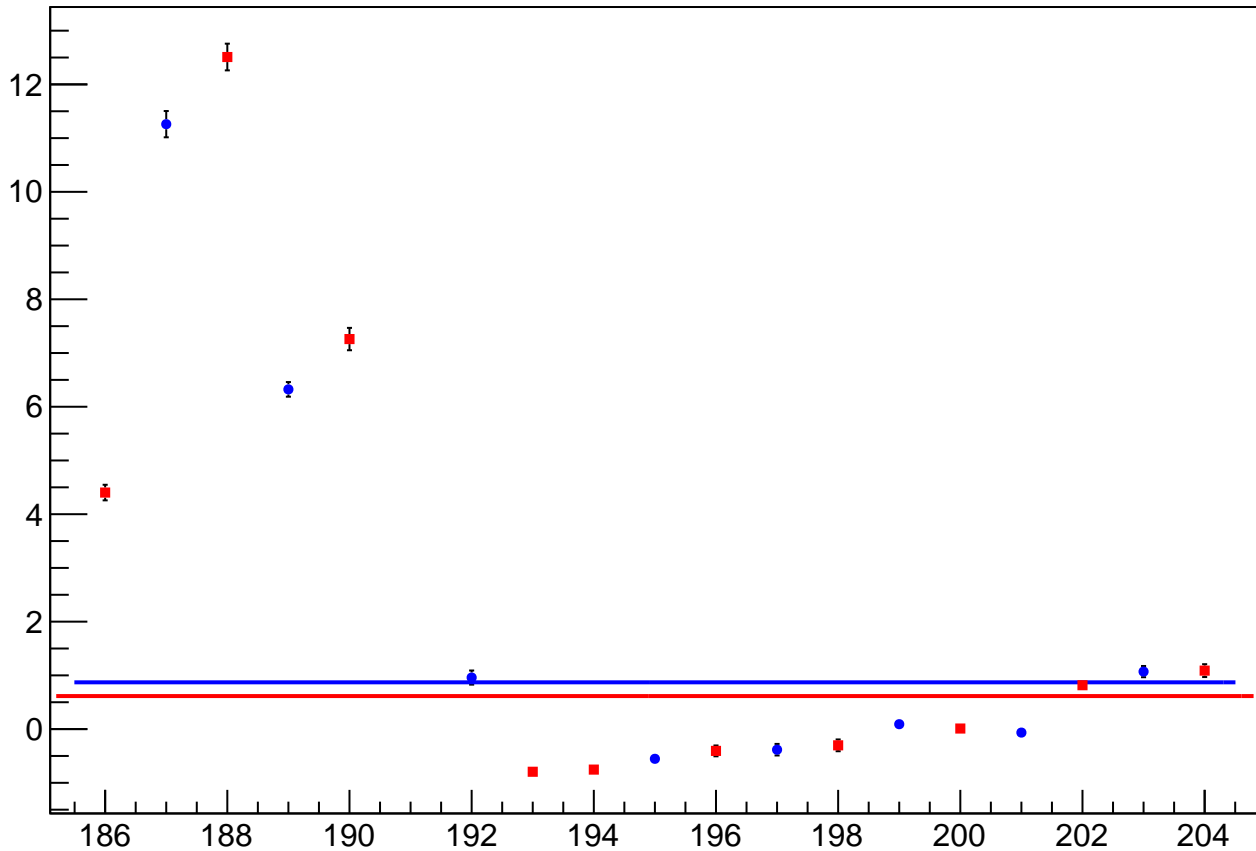
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 8.245 $\pm$ 0.747  $\chi^2$ /NDF: 20.9/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.870 $\pm$ 0.038  $\chi^2$ /NDF: 3971.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.615 $\pm$ 0.035  $\chi^2$ /NDF: 4695.5/9

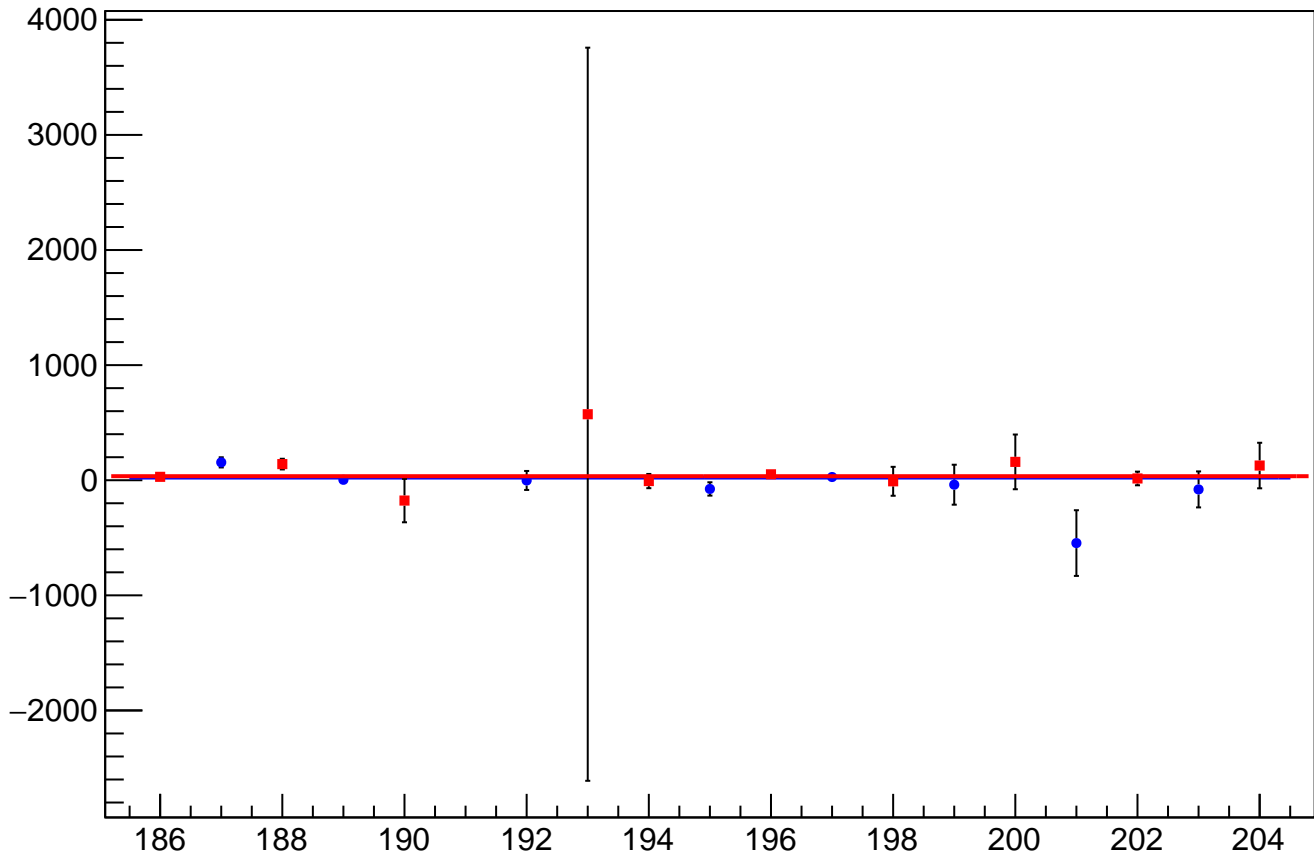
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.730 $\pm$ 0.026  $\chi^2$ /NDF: 8691.1/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 23.495+/-18.953  $\chi^2$ /NDF: 16.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 35.034+/-10.822  $\chi^2$ /NDF: 8.0/9

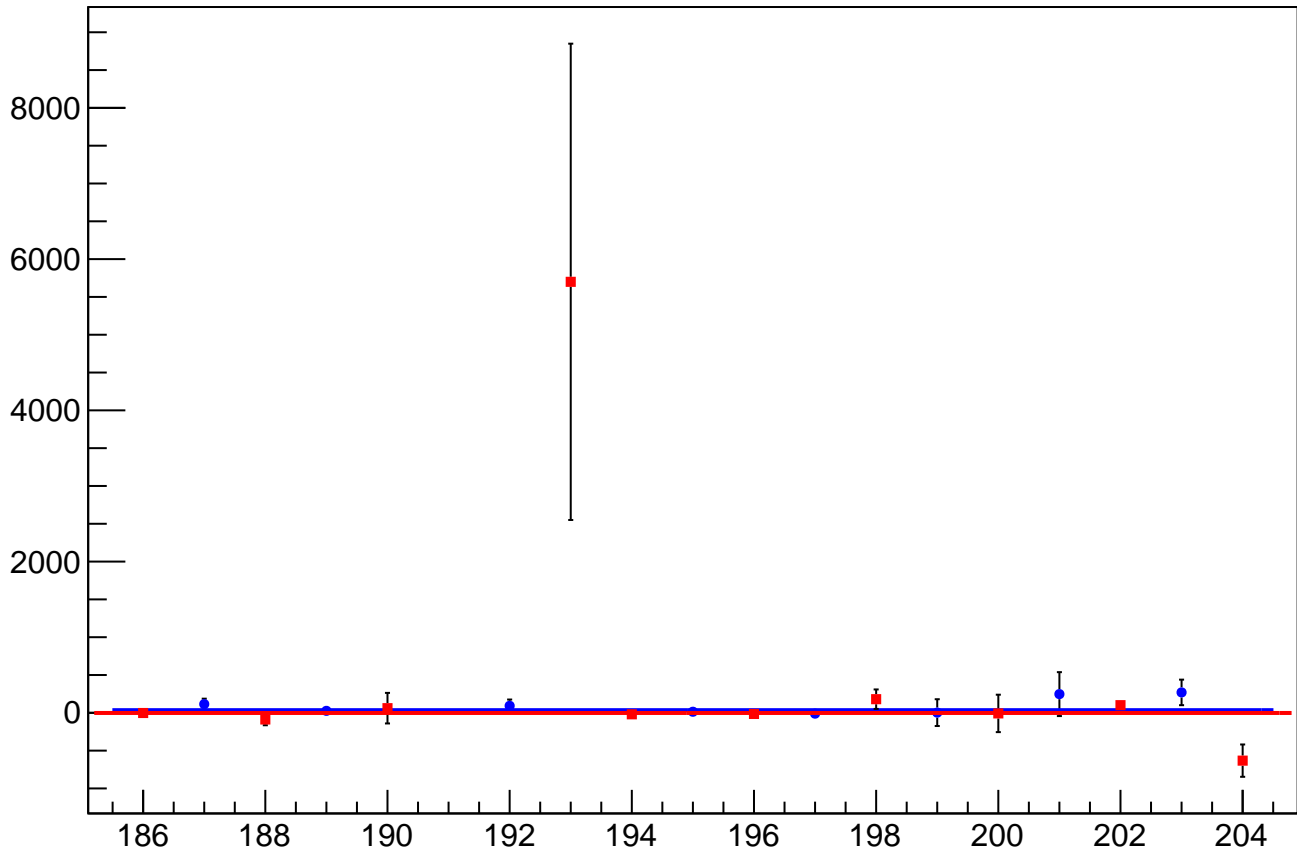
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 32.197+/-9.398  $\chi^2$ /NDF: 25.2/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 35.057+/-22.301  $\chi^2$ /NDF: 5.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.985+/-13.206  $\chi^2$ /NDF: 18.3/9

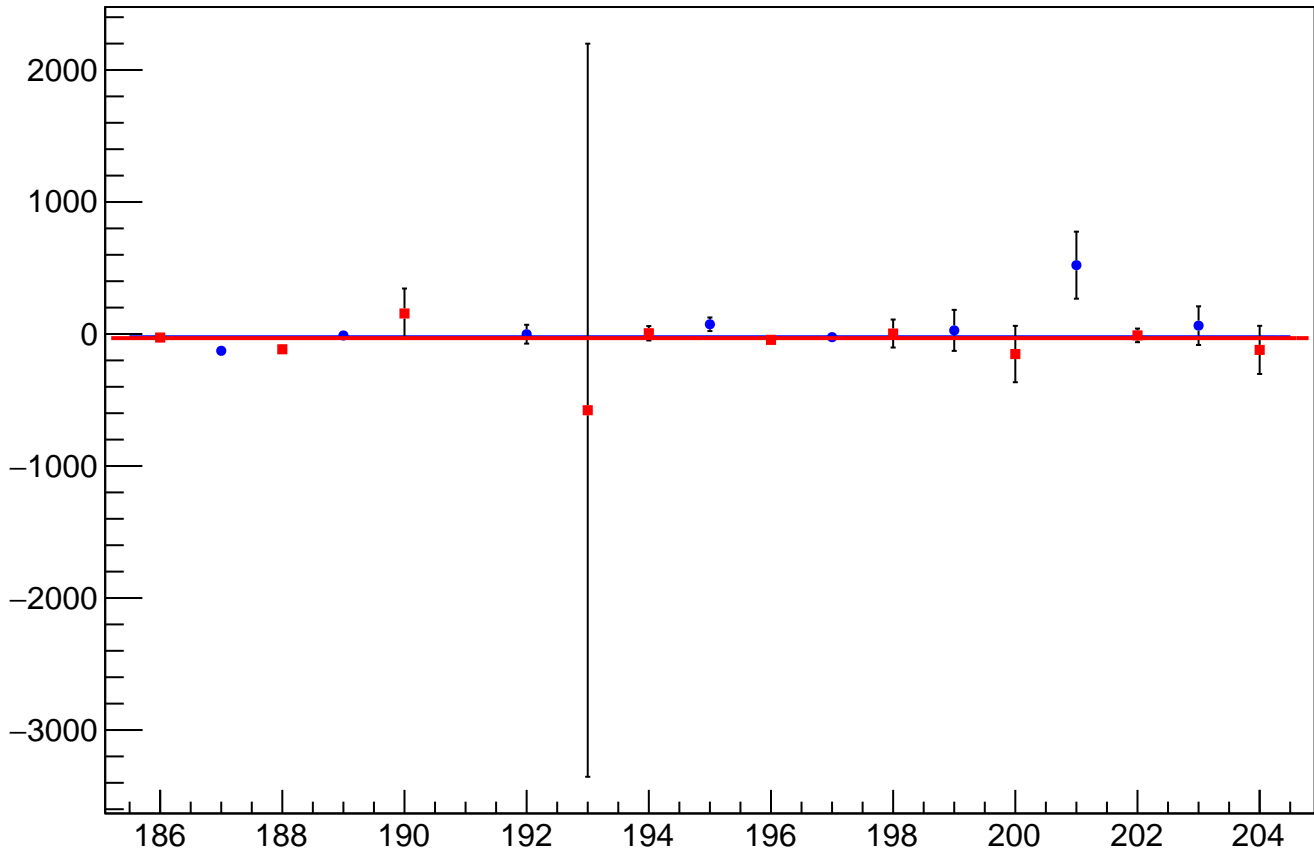
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 7.632+/-11.363  $\chi^2$ /NDF: 25.6/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-24.591 \pm 15.940$   $\chi^2/\text{NDF}: 17.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-31.297 \pm 8.759$   $\chi^2/\text{NDF}: 7.7/9$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

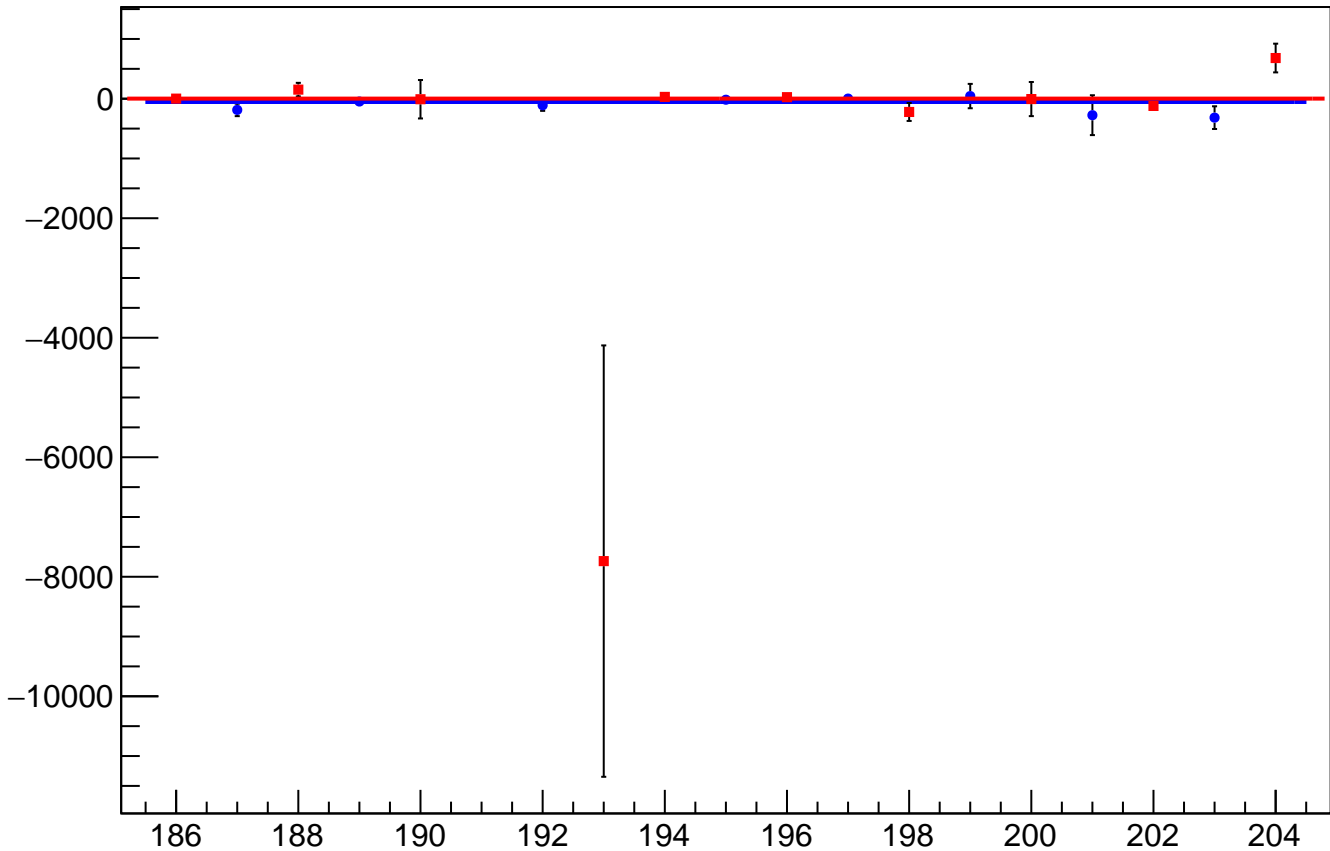
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-29.742 \pm 7.676$   $\chi^2/\text{NDF}: 25.0/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-54.788 \pm 30.689$   $\chi^2/\text{NDF}$ : 5.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $1.743 \pm 18.423$   $\chi^2/\text{NDF}$ : 19.9/9

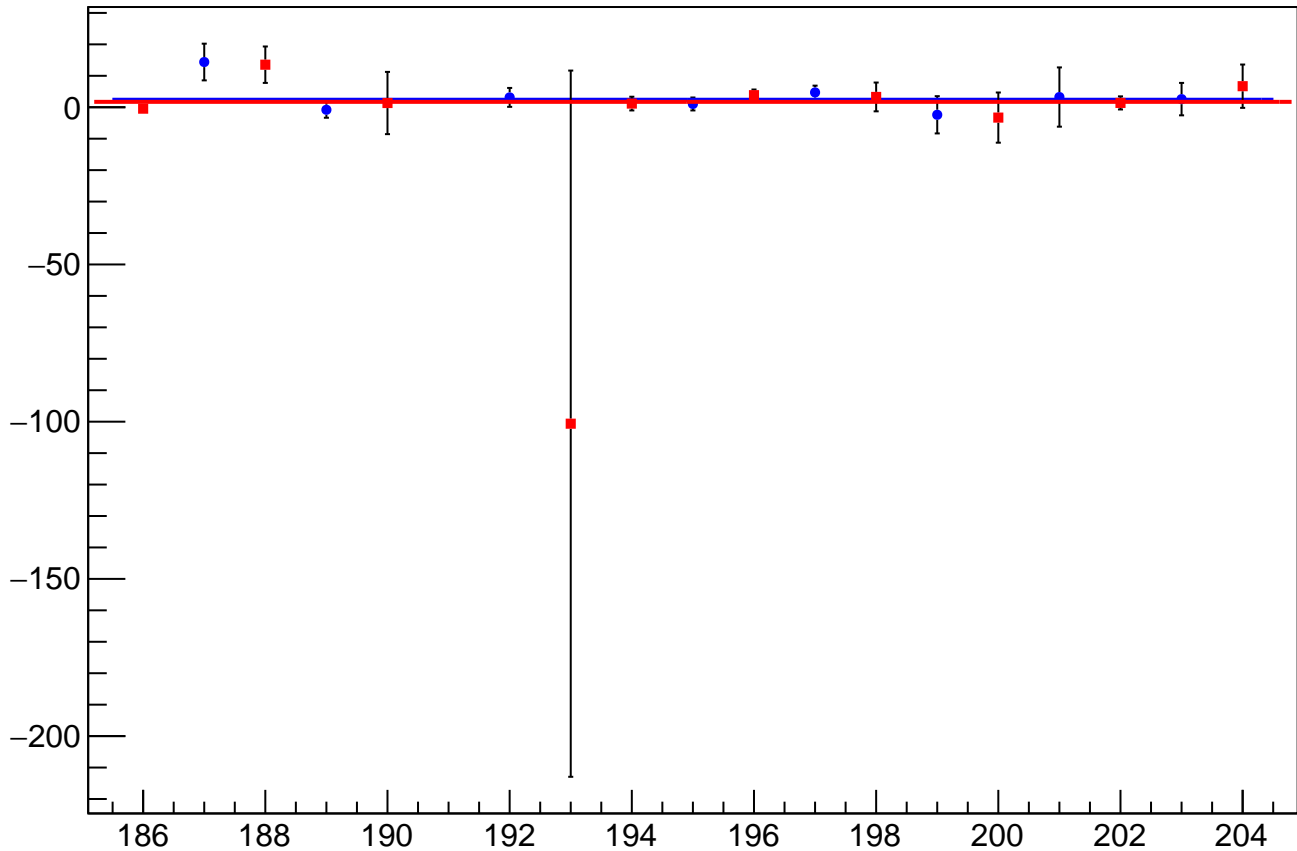
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-13.233 \pm 15.796$   $\chi^2/\text{NDF}$ : 28.1/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 2.386+/-1.102  $\chi^2/\text{NDF}$ : 8.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.717+/-0.881  $\chi^2/\text{NDF}$ : 9.5/9

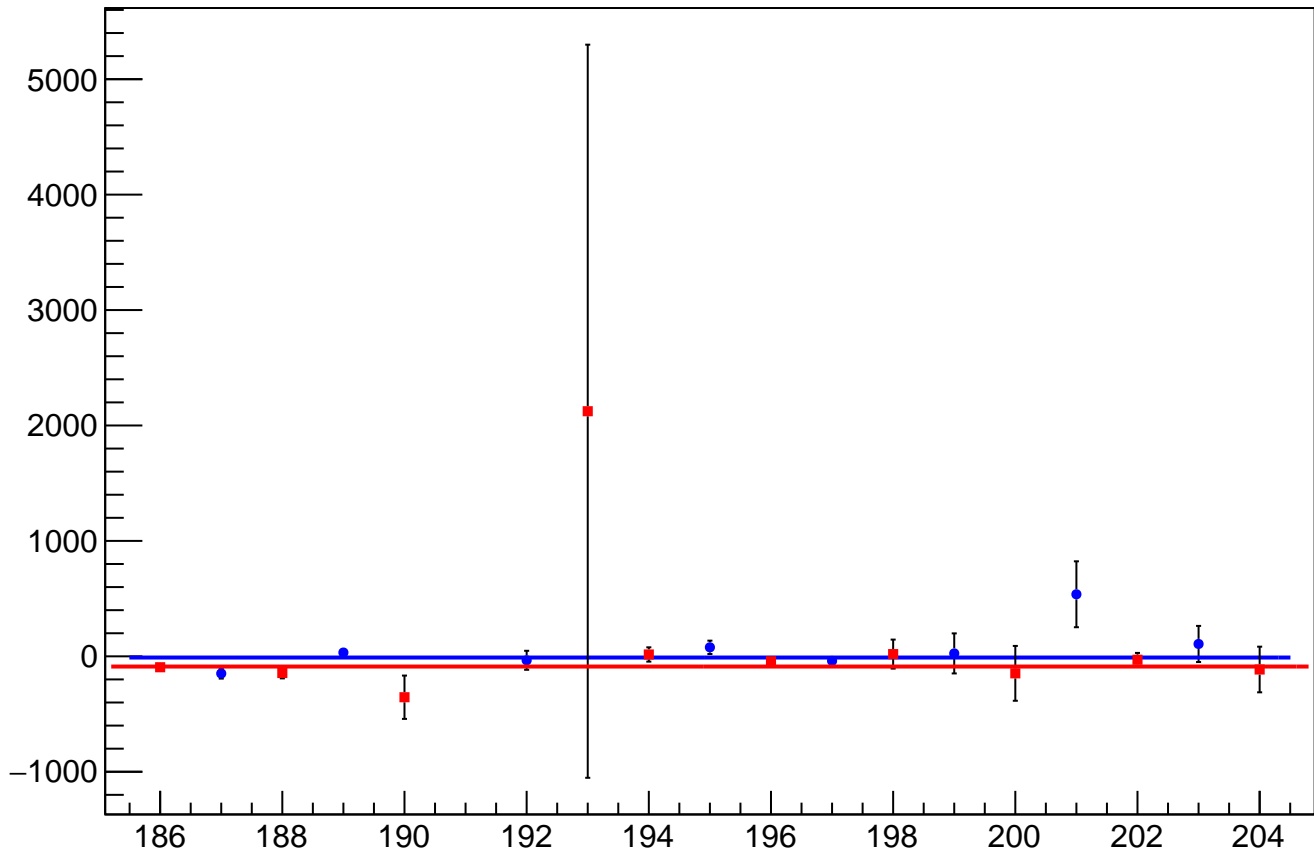
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.978+/-0.688  $\chi^2/\text{NDF}$ : 17.8/17

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-10.360 \pm 18.940$   $\chi^2/\text{NDF}: 19.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-88.477 \pm 10.825$   $\chi^2/\text{NDF}: 10.0/9$

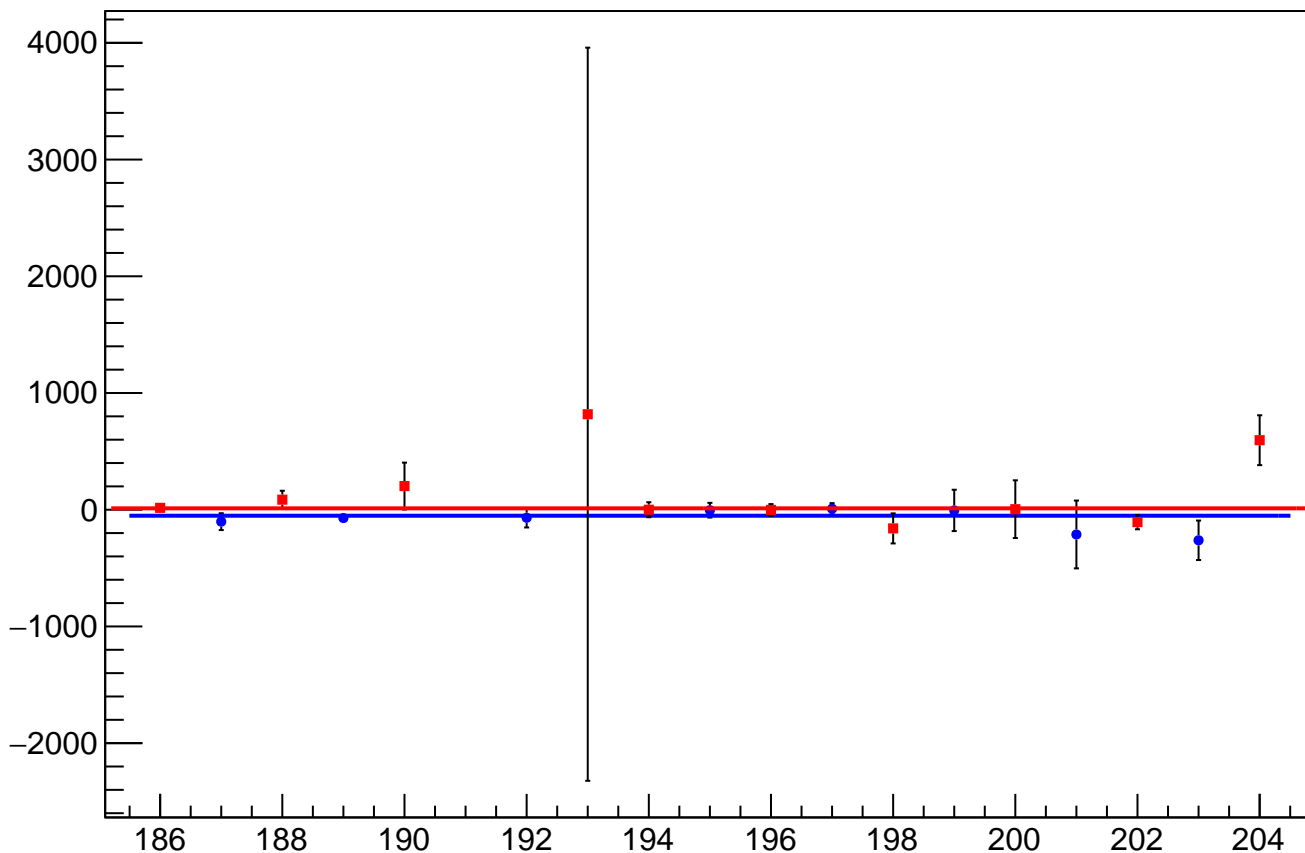
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-69.241 \pm 9.399$   $\chi^2/\text{NDF}: 42.0/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-51.360 \pm 22.281$   $\chi^2/\text{NDF}$ : 5.0/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $11.857 \pm 13.220$   $\chi^2/\text{NDF}$ : 15.0/9

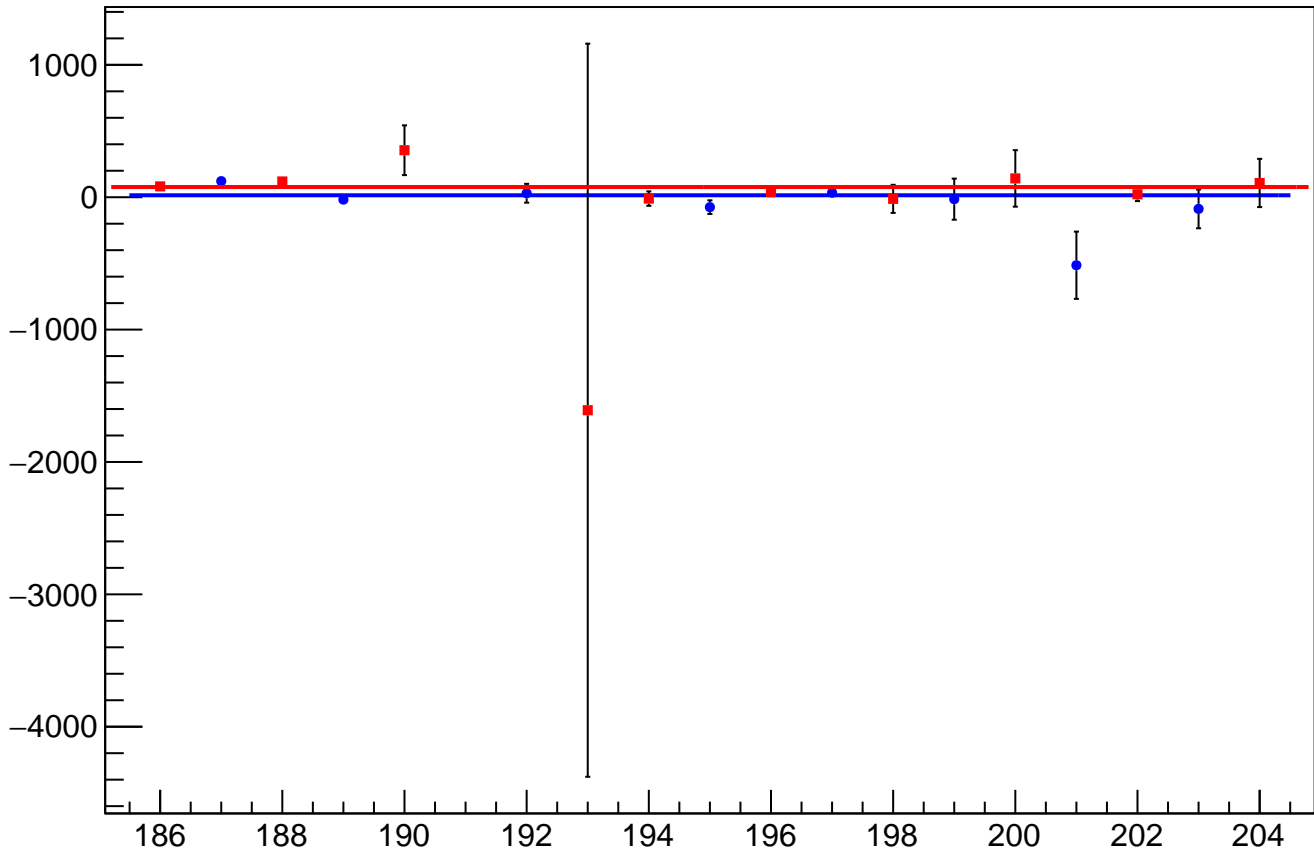
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-4.603 \pm 11.369$   $\chi^2/\text{NDF}$ : 25.9/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 14.768 $\pm$ 15.927  $\chi^2$ /NDF: 18.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 77.074 $\pm$ 8.762  $\chi^2$ /NDF: 9.8/9

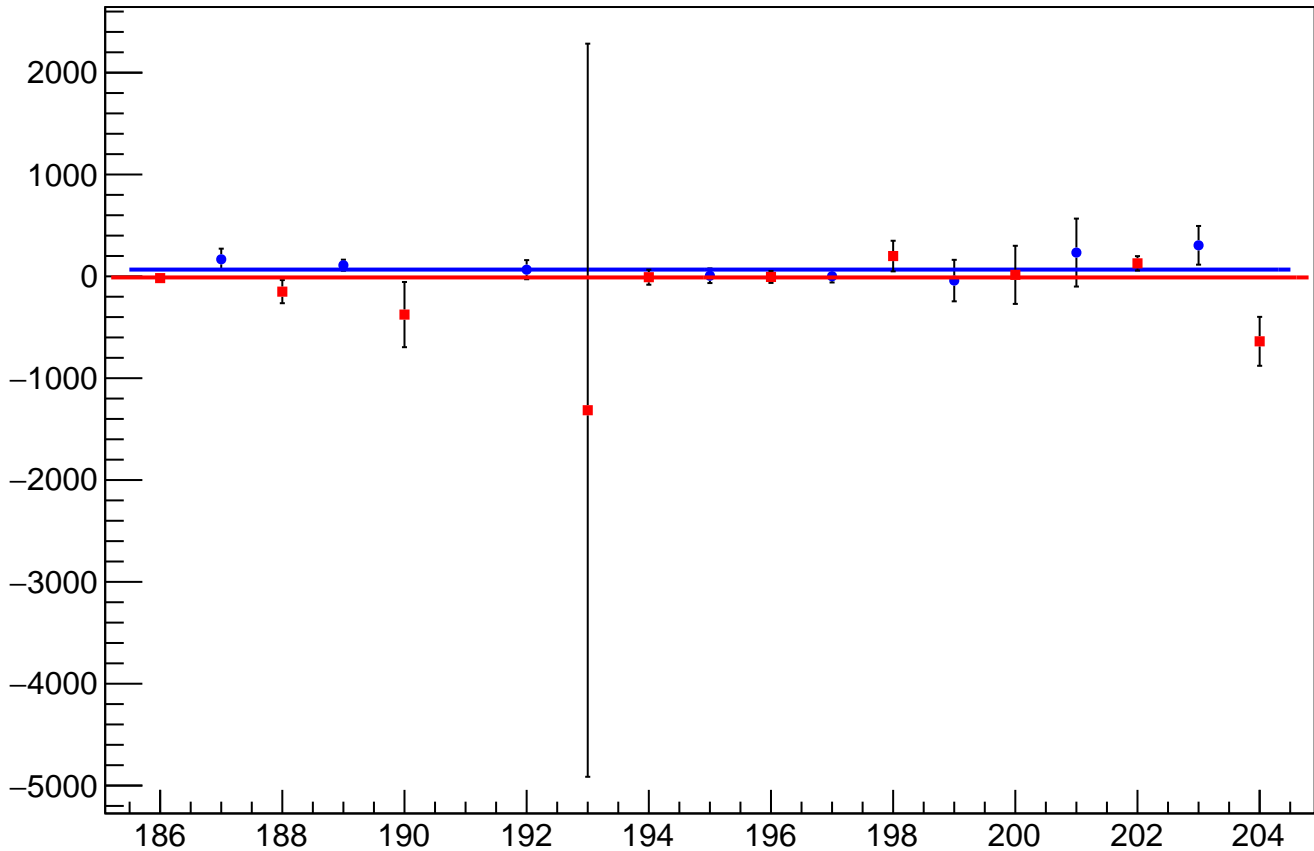
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 62.598 $\pm$ 7.677  $\chi^2$ /NDF: 40.2/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 66.461 $\pm$ 30.664  $\chi^2$ /NDF: 5.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -10.709 $\pm$ 18.441  $\chi^2$ /NDF: 15.7/9

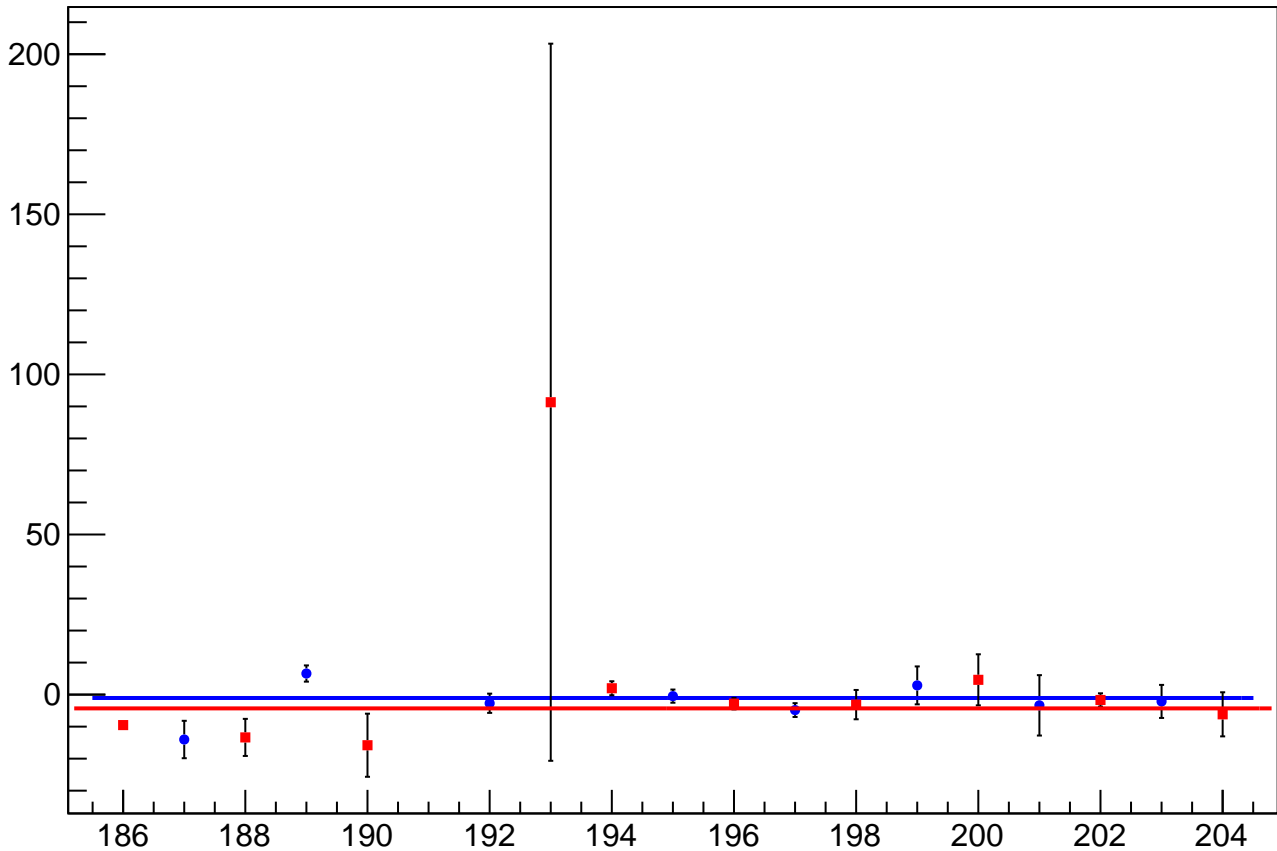
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 9.788 $\pm$ 15.803  $\chi^2$ /NDF: 25.8/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.056 \pm 1.101$   $\chi^2/\text{NDF}$ : 18.0/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4.307 \pm 0.881$   $\chi^2/\text{NDF}$ : 27.8/9

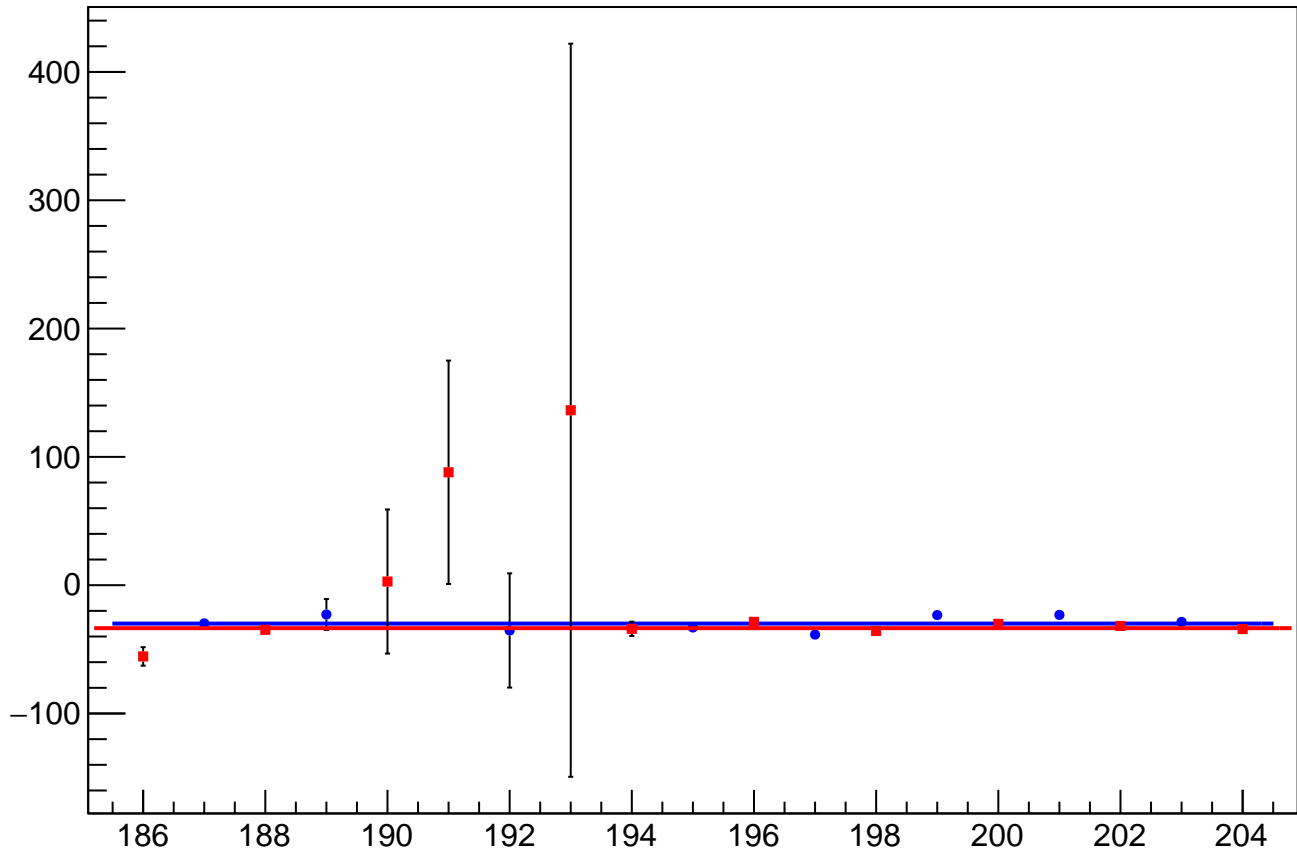
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.039 \pm 0.688$   $\chi^2/\text{NDF}$ : 51.1/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-29.933 \pm 1.037$   $\chi^2/\text{NDF}: 20.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-33.489 \pm 1.045$   $\chi^2/\text{NDF}: 17.3/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

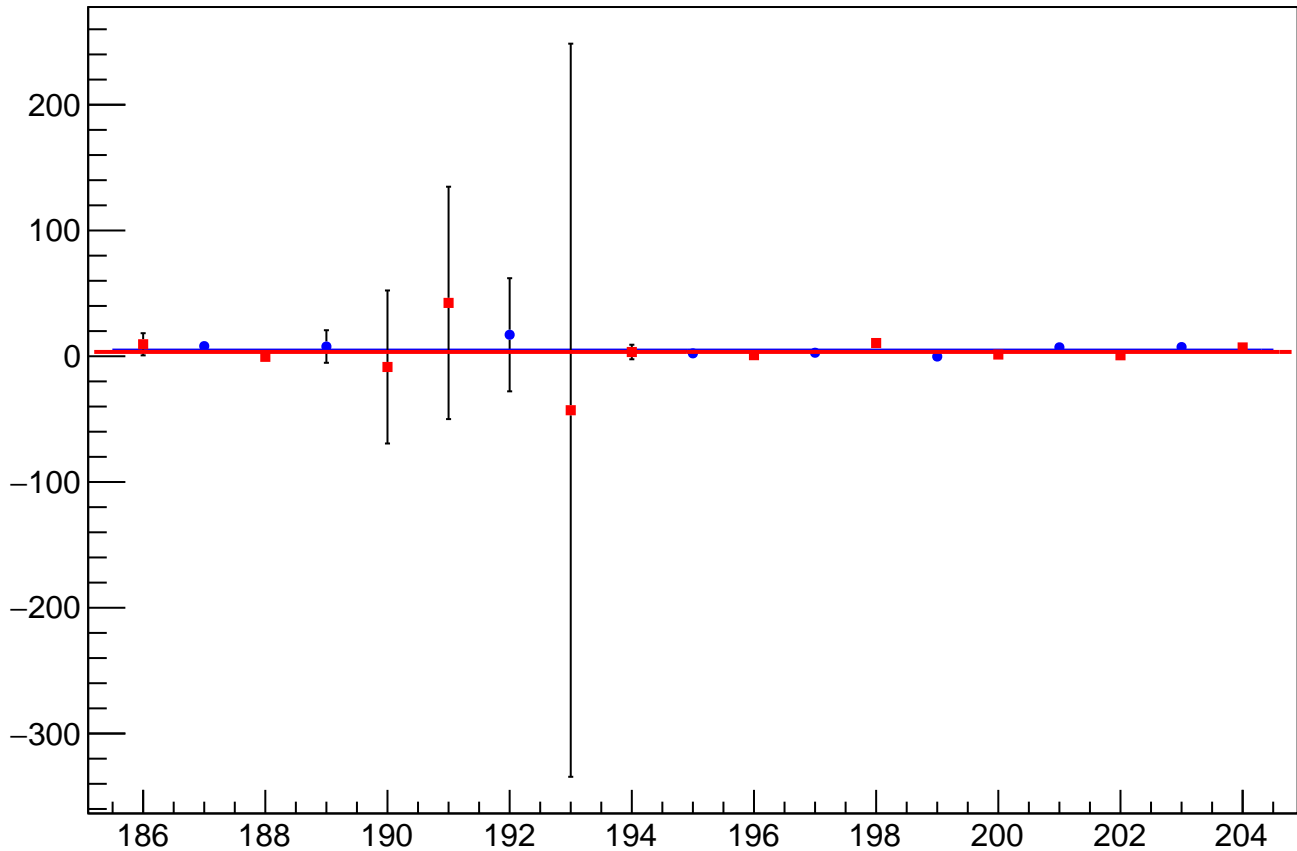
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-31.698 \pm 0.736$   $\chi^2/\text{NDF}: 43.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 4.506 $\pm$ 1.289  $\chi^2$ /NDF: 5.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.434 $\pm$ 1.315  $\chi^2$ /NDF: 9.3/10

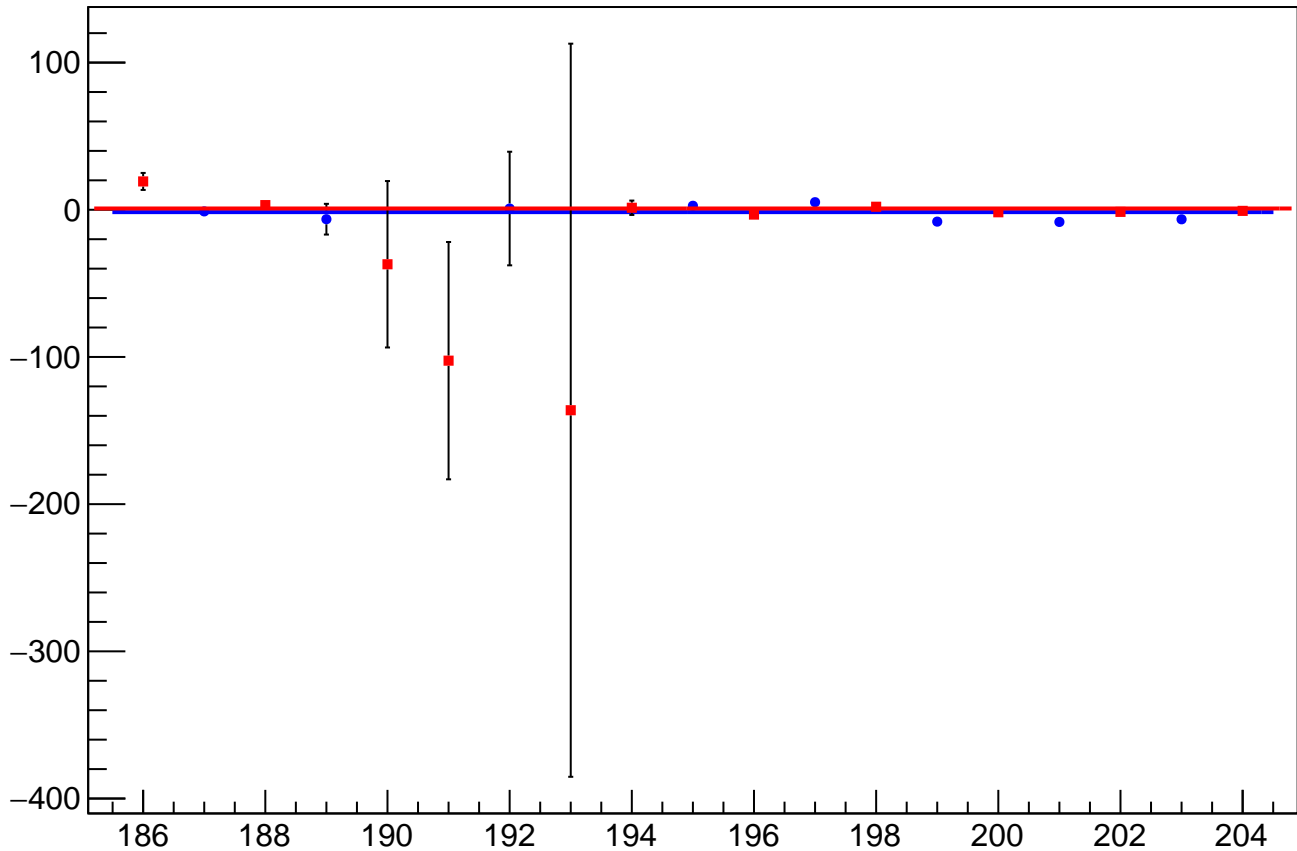
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.981 $\pm$ 0.920  $\chi^2$ /NDF: 15.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-1.603 \pm 0.902$   $\chi^2/\text{NDF}: 27.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.871 \pm 0.917$   $\chi^2/\text{NDF}: 19.7/10$

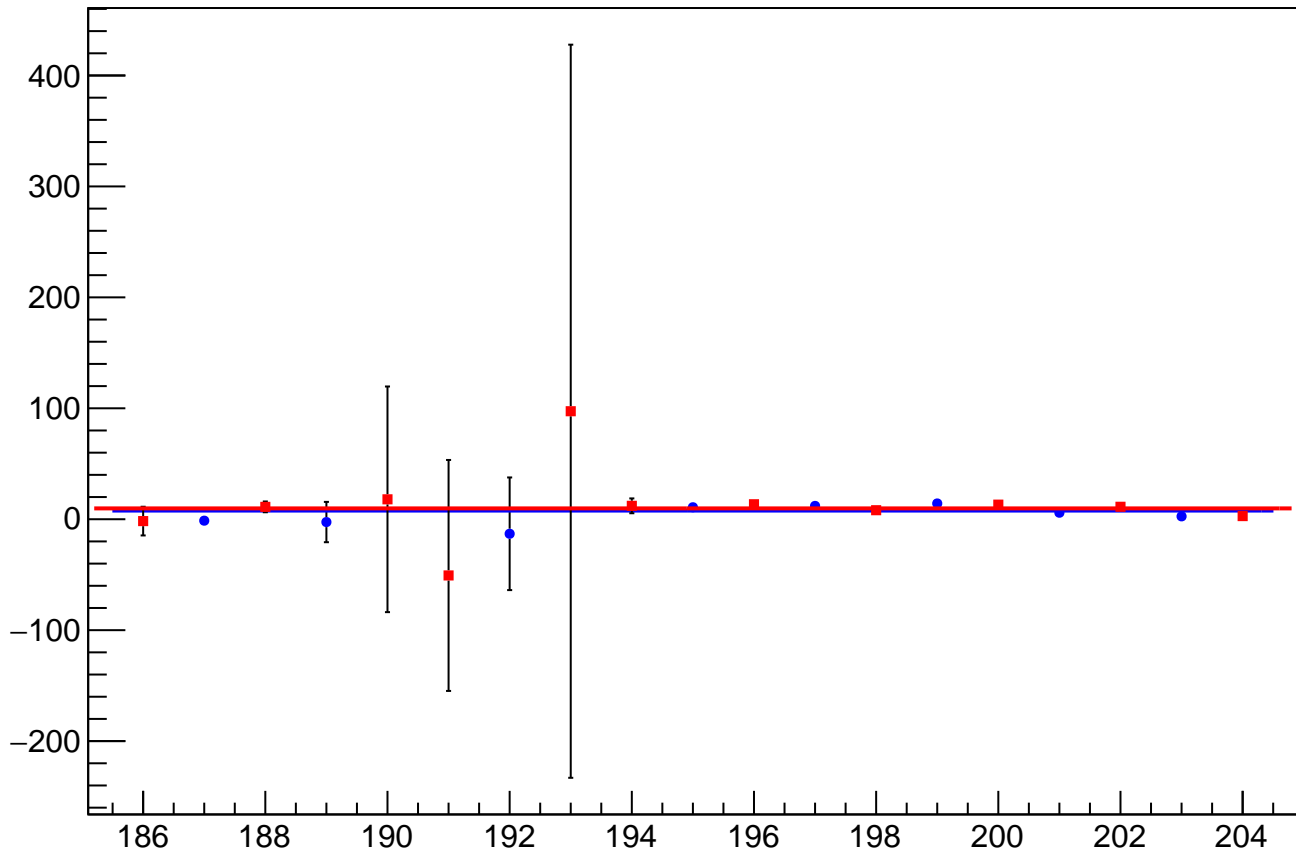
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.387 \pm 0.643$   $\chi^2/\text{NDF}: 51.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 7.815+/-1.551  $\chi^2/\text{NDF}$ : 11.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.768+/-1.559  $\chi^2/\text{NDF}$ : 7.0/10

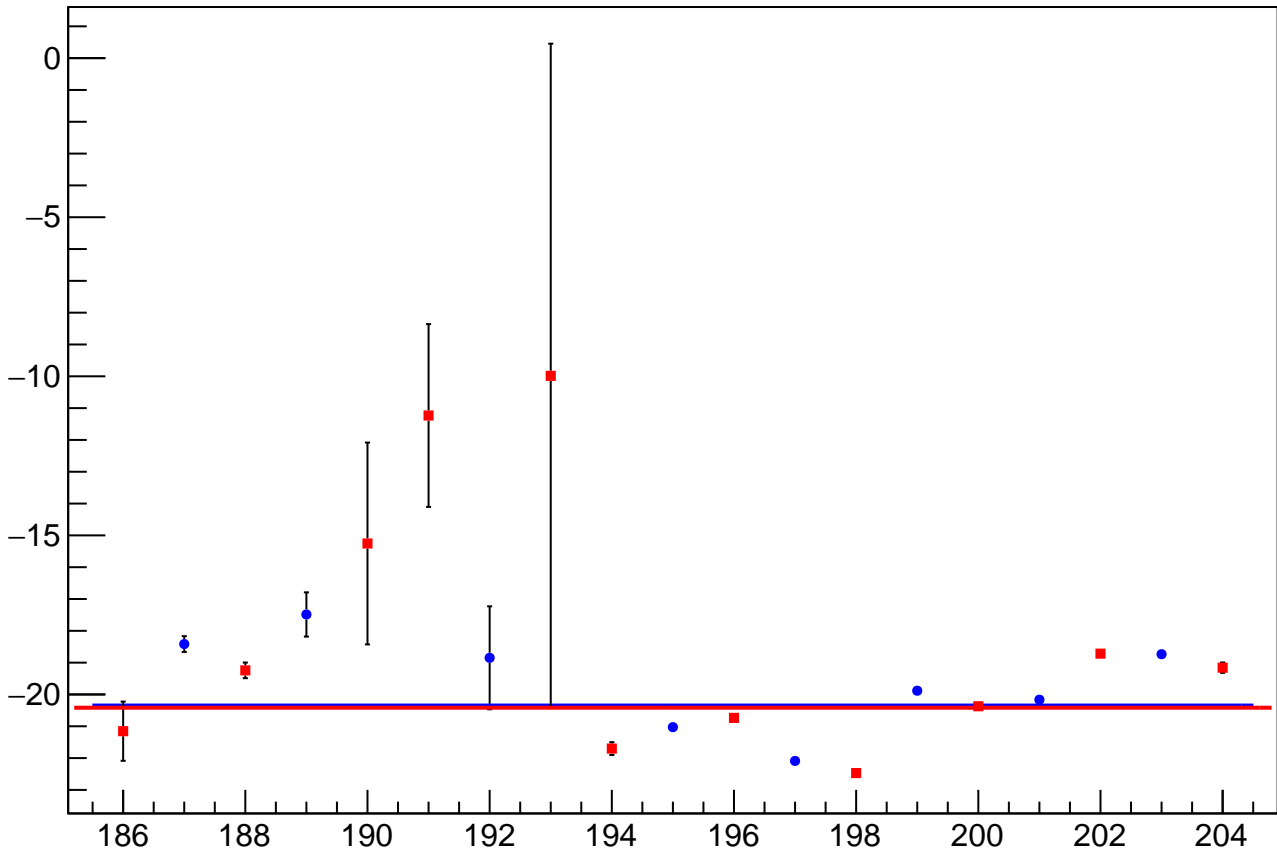
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.787+/-1.100  $\chi^2/\text{NDF}$ : 19.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-20.349 \pm 0.051$   $\chi^2/\text{NDF}: 486.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-20.417 \pm 0.051$   $\chi^2/\text{NDF}: 682.5/10$

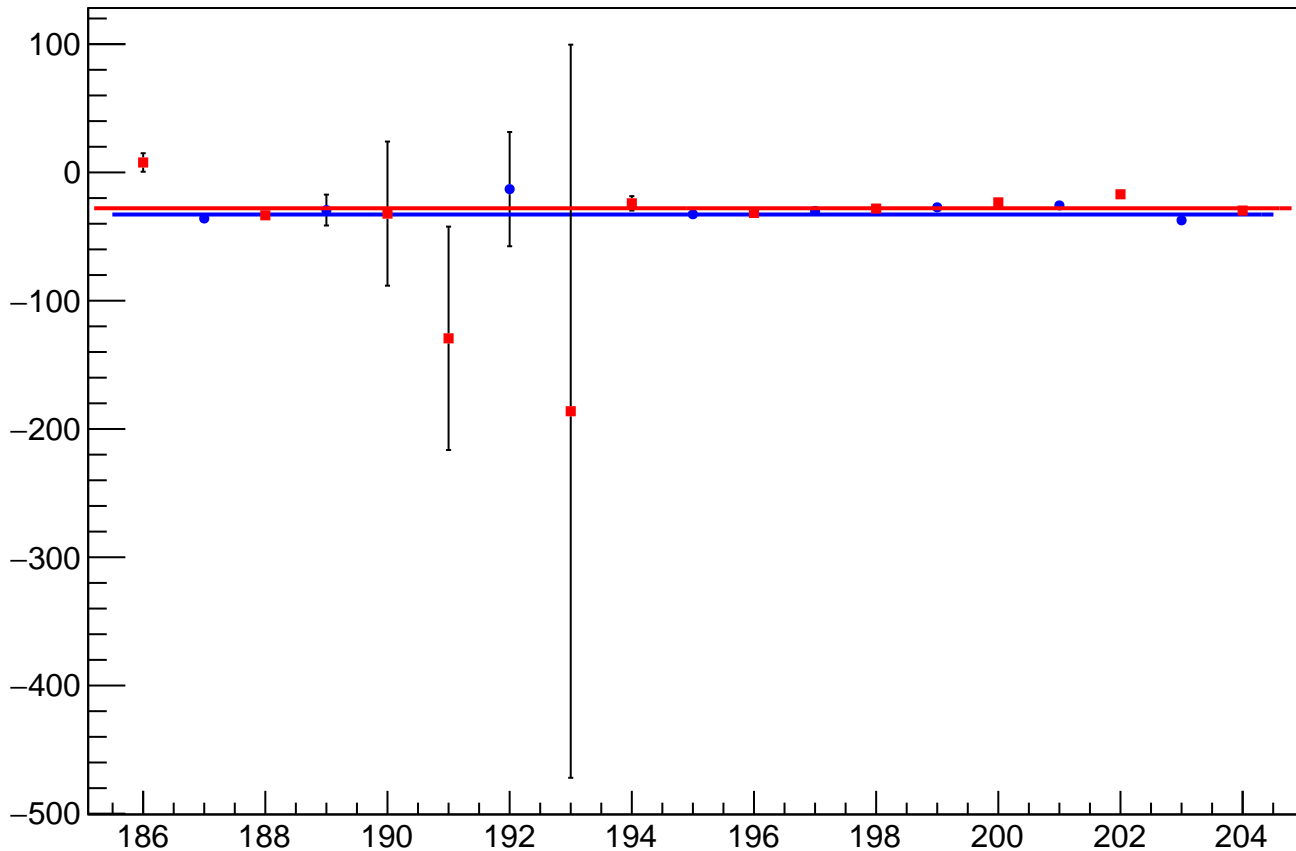
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-20.383 \pm 0.036$   $\chi^2/\text{NDF}: 1169.7/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_left\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-32.814 \pm 1.041$   $\chi^2/\text{NDF}: 15.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-27.942 \pm 1.048$   $\chi^2/\text{NDF}: 49.4/10$

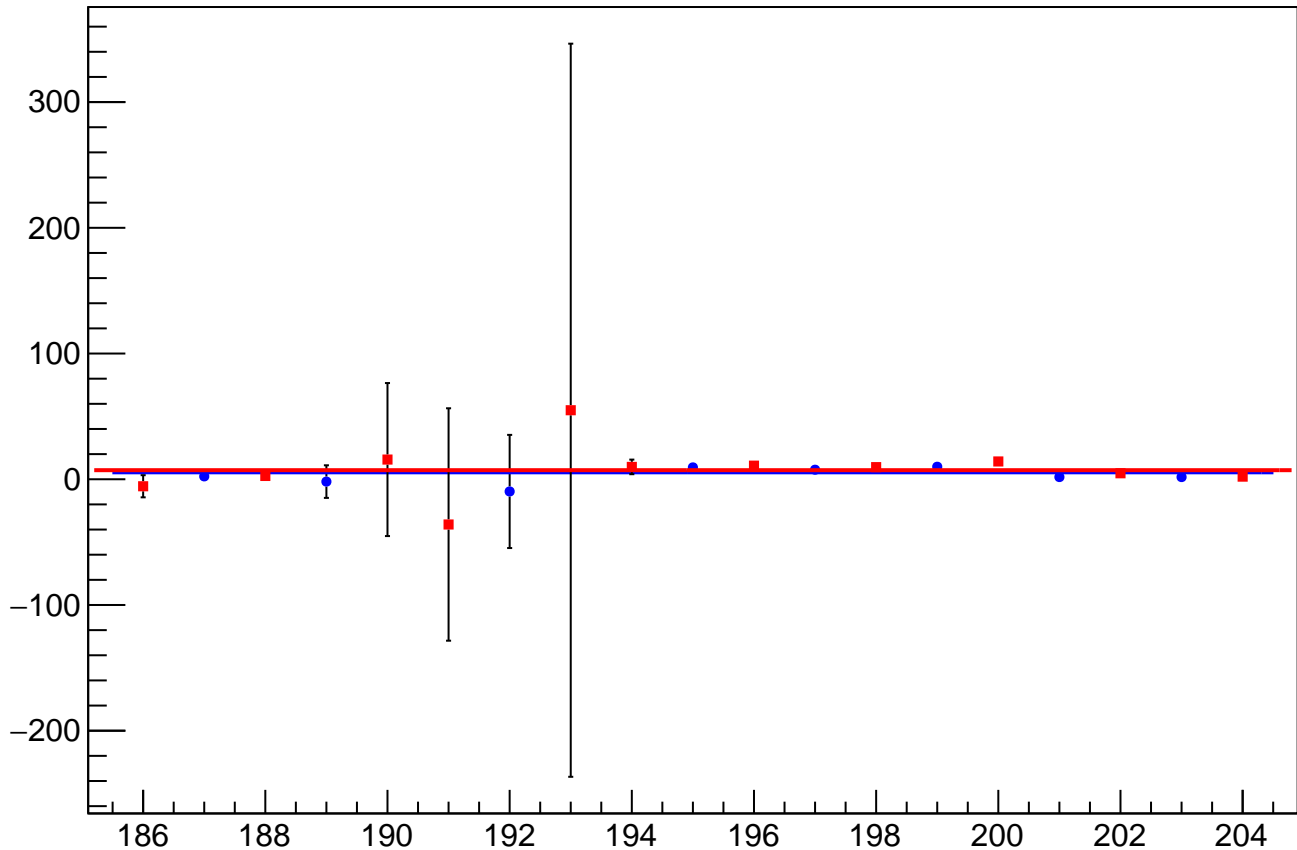
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-30.396 \pm 0.738$   $\chi^2/\text{NDF}: 75.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 5.532 $\pm$ 1.293  $\chi^2$ /NDF: 7.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.223 $\pm$ 1.318  $\chi^2$ /NDF: 13.2/10

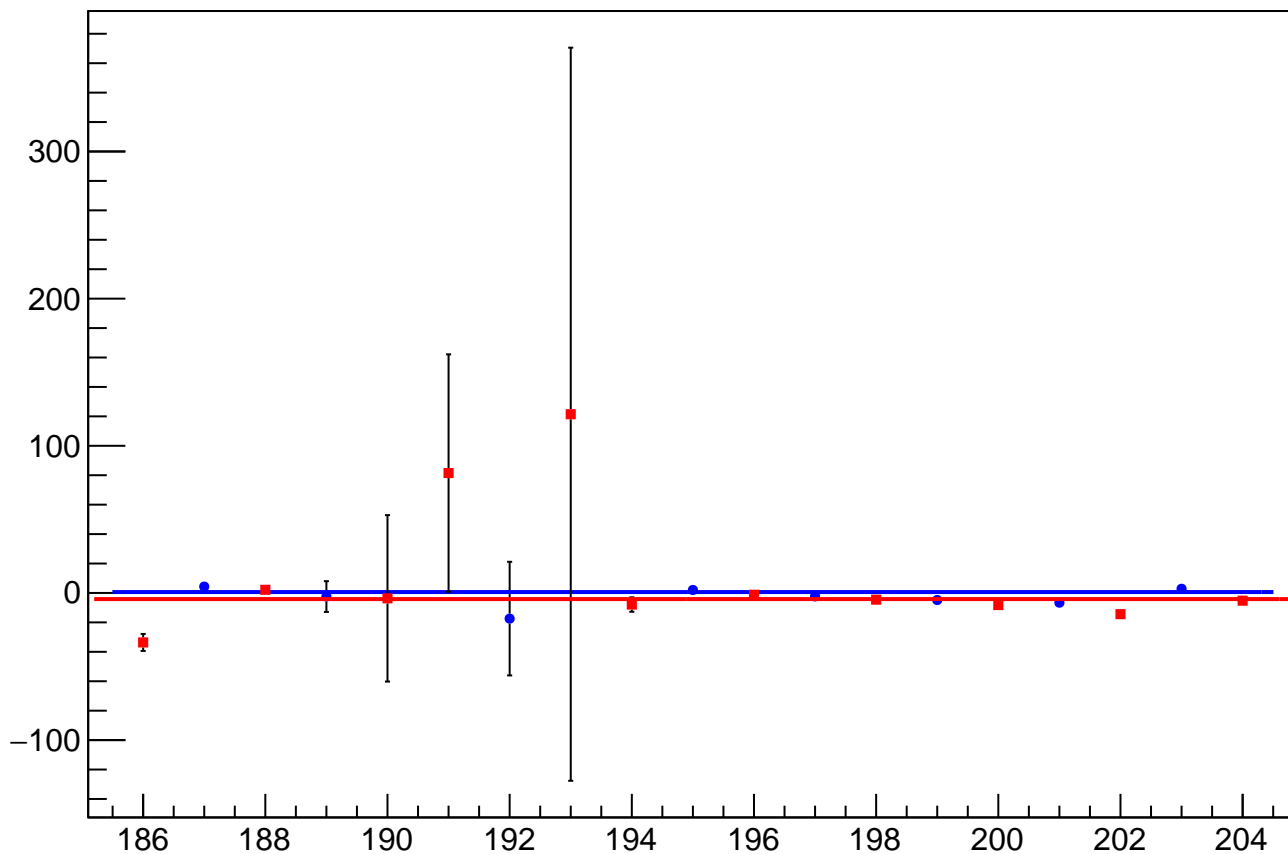
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.360 $\pm$ 0.923  $\chi^2$ /NDF: 21.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 0.608 $\pm$ 0.904  $\chi^2$ /NDF: 18.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -4.164 $\pm$ 0.920  $\chi^2$ /NDF: 59.4/10

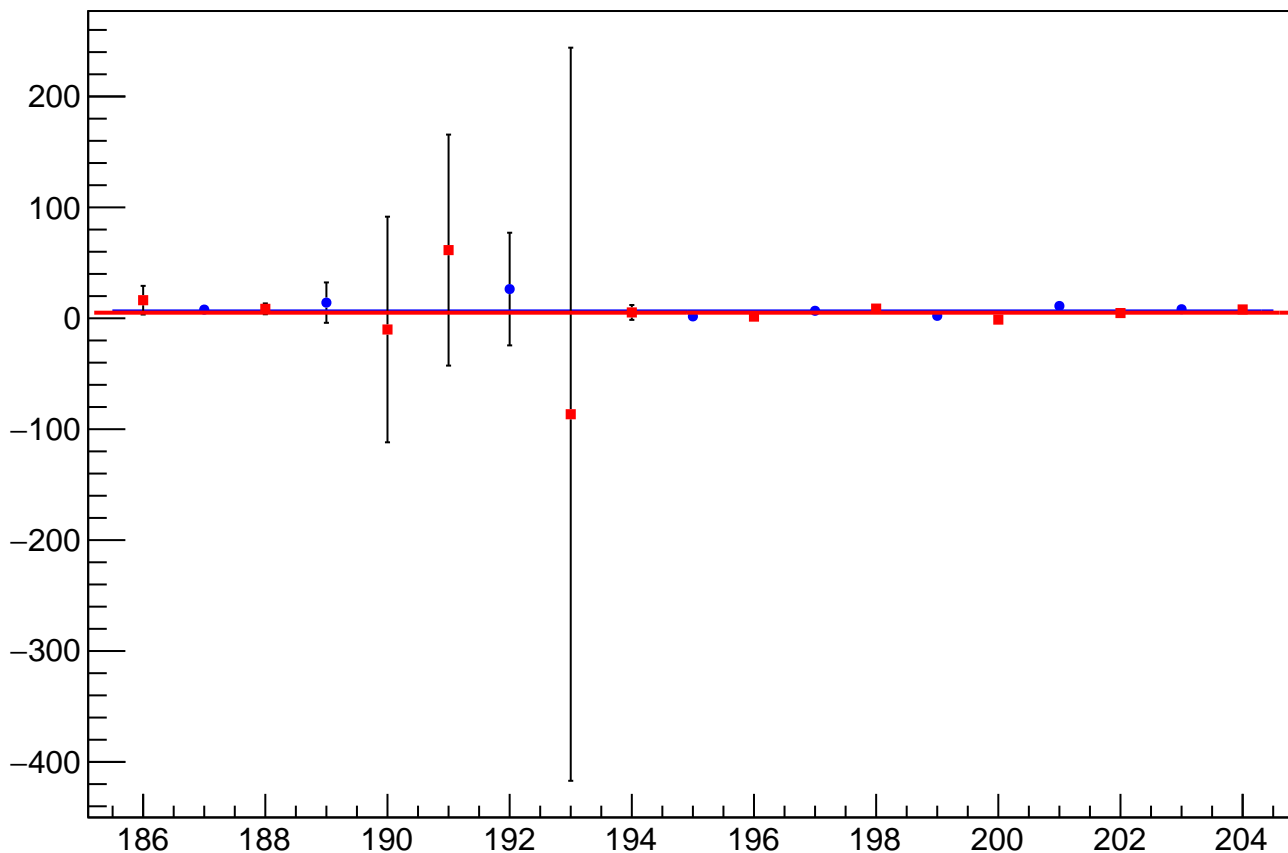
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1.736 $\pm$ 0.645  $\chi^2$ /NDF: 91.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 6.215 $\pm$ 1.556  $\chi^2$ /NDF: 4.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 5.055 $\pm$ 1.563  $\chi^2$ /NDF: 6.6/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

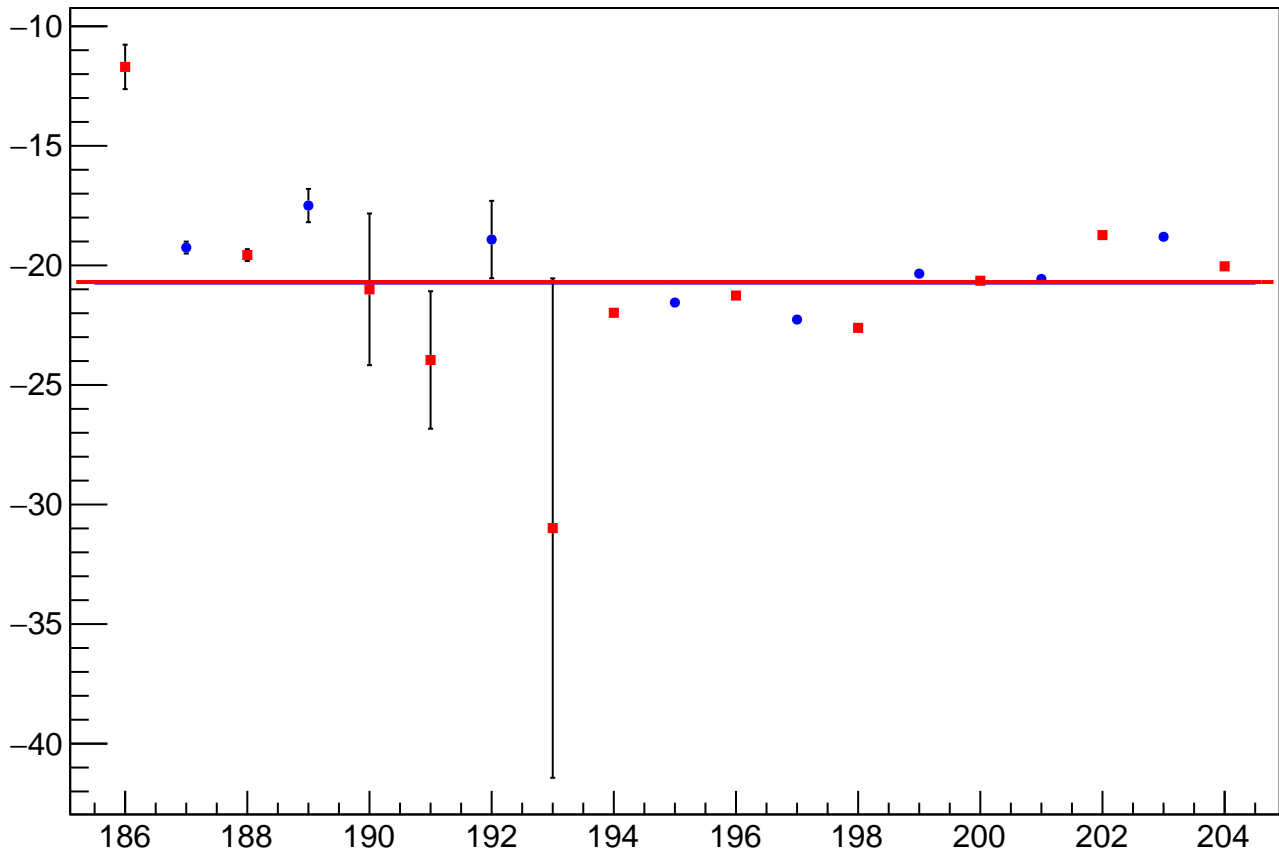
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.638 $\pm$ 1.103  $\chi^2$ /NDF: 11.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-20.719 \pm 0.051$   $\chi^2/\text{NDF}: 486.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-20.695 \pm 0.051$   $\chi^2/\text{NDF}: 766.8/10$

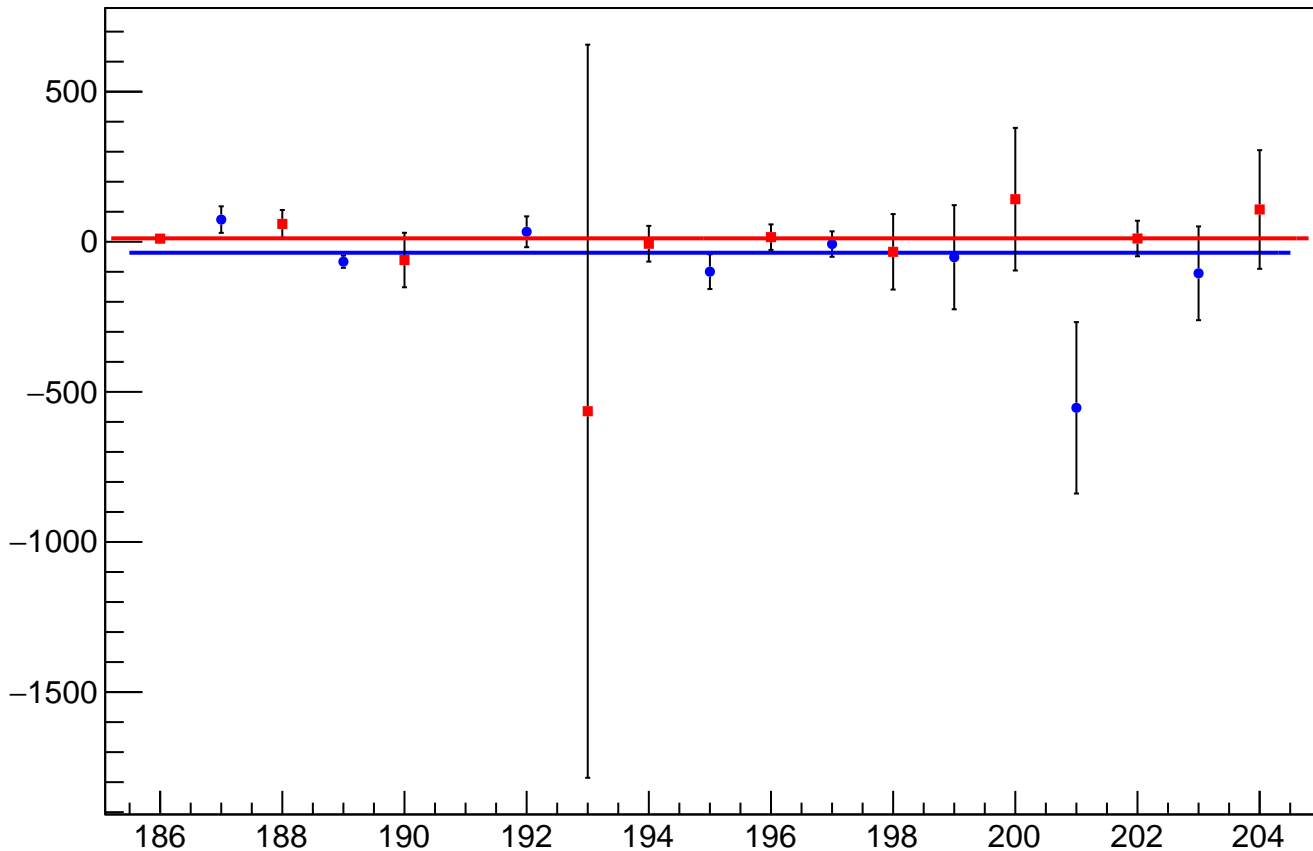
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-20.707 \pm 0.036$   $\chi^2/\text{NDF}: 1253.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_right\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-36.486 \pm 15.429$   $\chi^2/\text{NDF}: 15.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $11.482 \pm 8.764$   $\chi^2/\text{NDF}: 2.7/9$

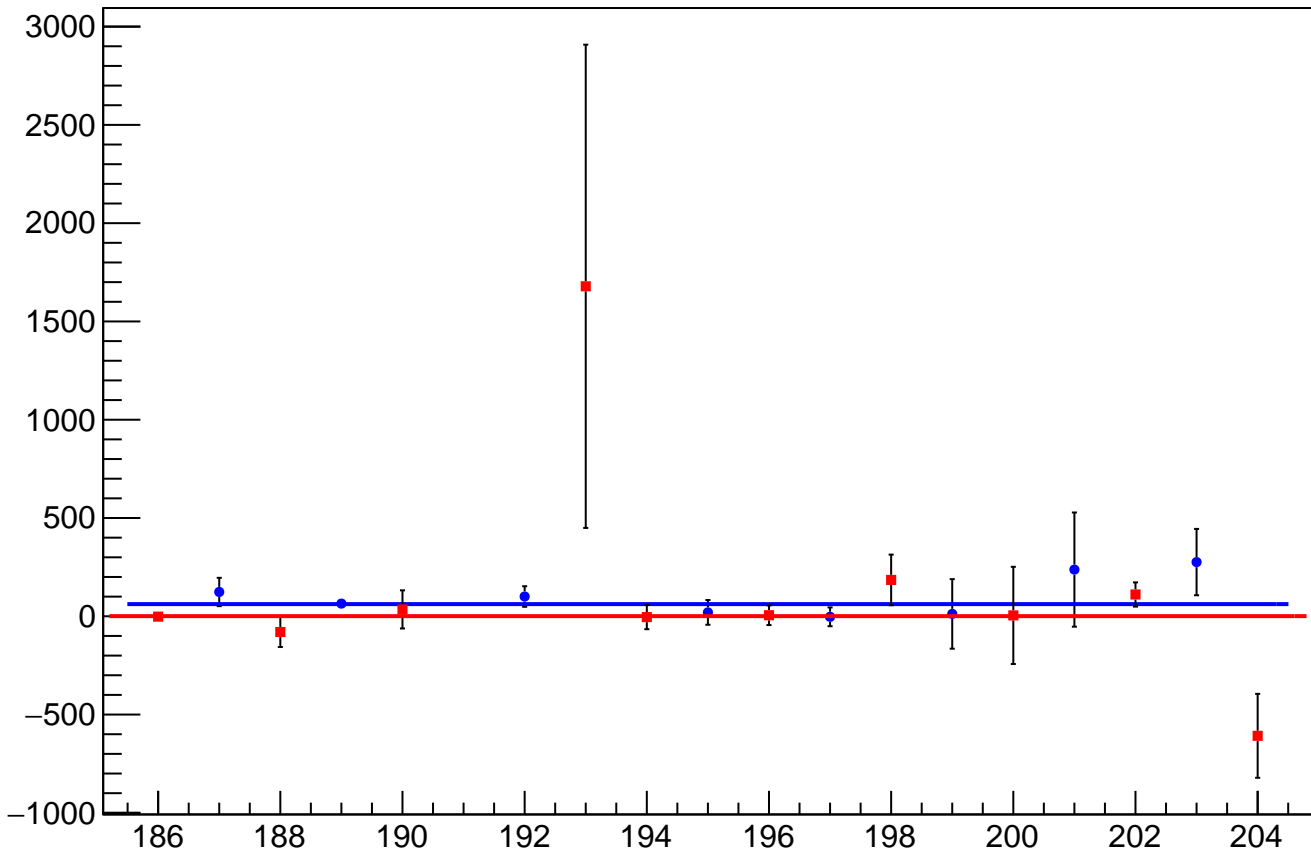
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.219 \pm 7.620$   $\chi^2/\text{NDF}: 25.3/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 61.865 $\pm$ 17.855  $\chi^2$ /NDF: 5.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.725 $\pm$ 10.753  $\chi^2$ /NDF: 16.5/9

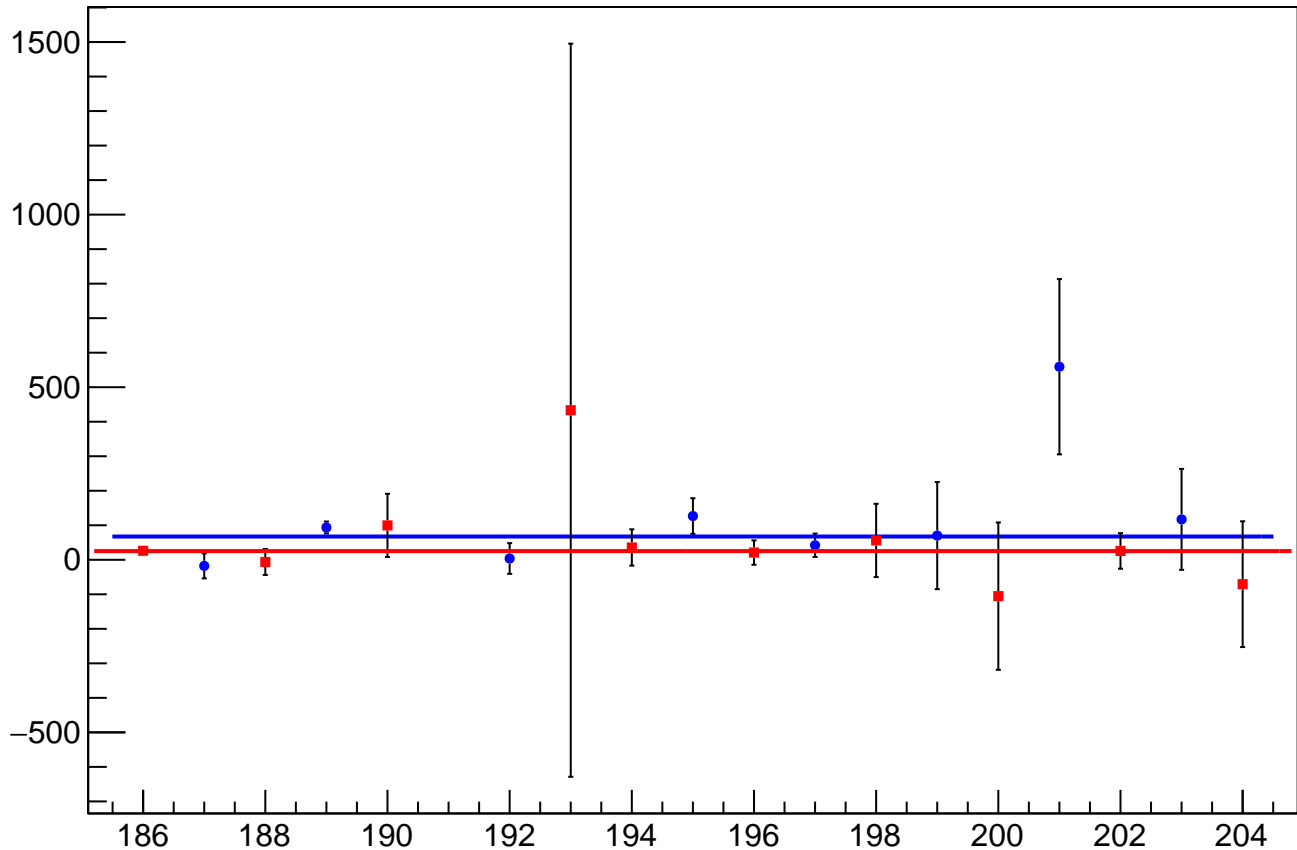
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 16.998 $\pm$ 9.212  $\chi^2$ /NDF: 30.8/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 67.422+/-12.959  $\chi^2$ /NDF: 15.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 25.232+/-7.088  $\chi^2$ /NDF: 2.3/9

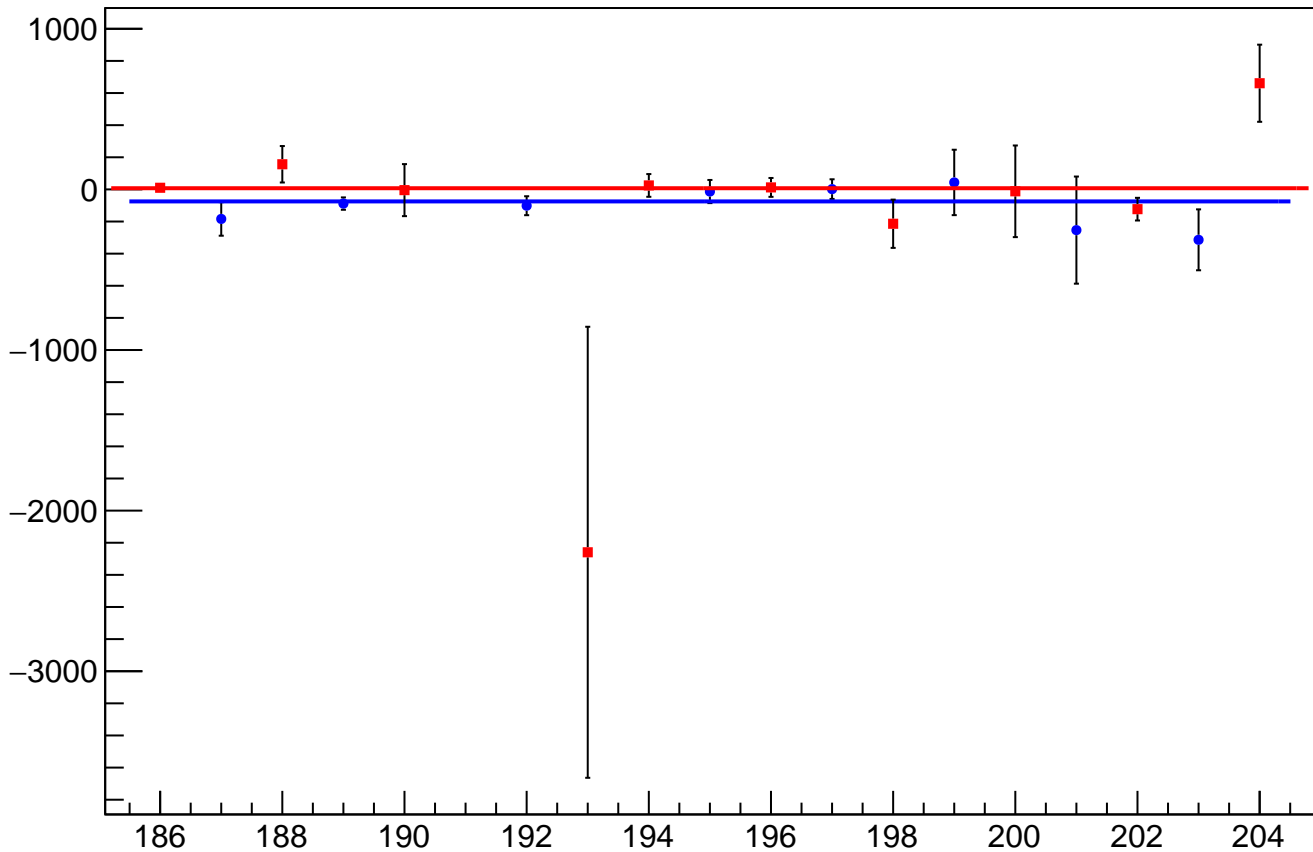
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 34.948+/-6.219  $\chi^2$ /NDF: 26.1/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-74.770 \pm 25.189$   $\chi^2/\text{NDF}: 5.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $7.303 \pm 15.242$   $\chi^2/\text{NDF}: 17.4/9$

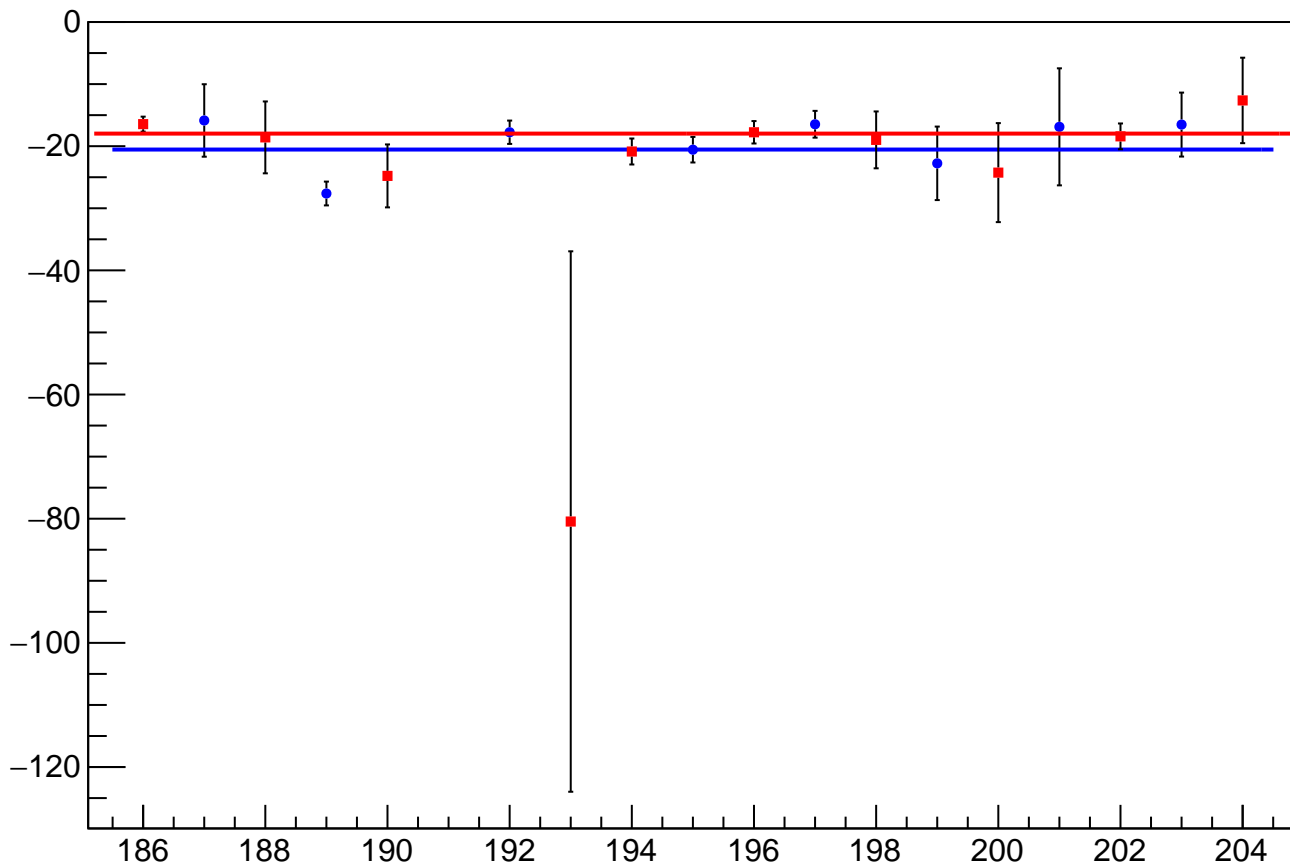
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-14.695 \pm 13.041$   $\chi^2/\text{NDF}: 31.1/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-20.541 \pm 0.948$   $\chi^2/\text{NDF}: 20.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-17.974 \pm 0.789$   $\chi^2/\text{NDF}: 8.7/9$

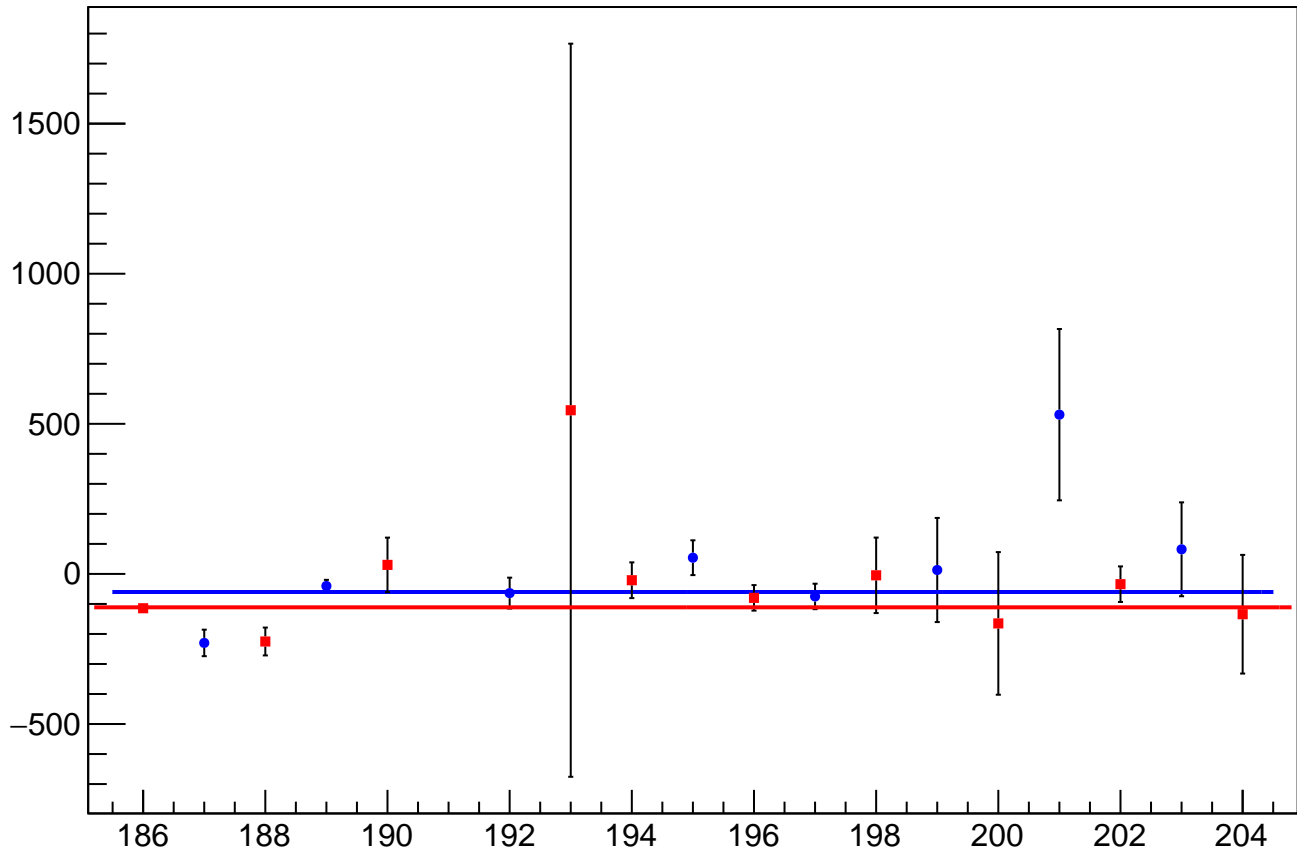
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-19.024 \pm 0.606$   $\chi^2/\text{NDF}: 34.0/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_right\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-60.200 \pm 15.440$   $\chi^2/\text{NDF}: 25.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-111.241 \pm 8.770$   $\chi^2/\text{NDF}: 14.2/9$

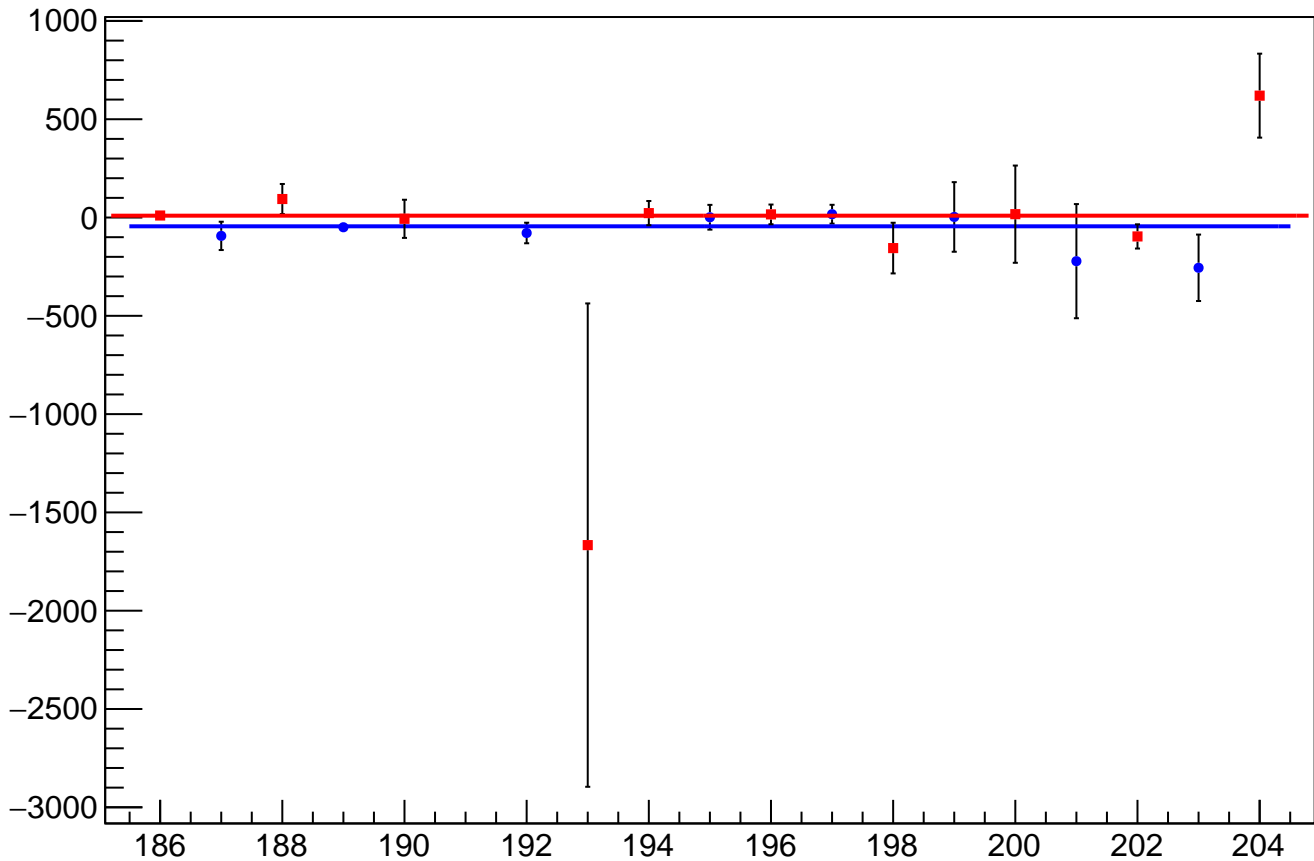
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-98.791 \pm 7.626$   $\chi^2/\text{NDF}: 47.4/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-44.681 \pm 17.869$   $\chi^2/\text{NDF}$ : 5.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $9.399 \pm 10.761$   $\chi^2/\text{NDF}$ : 15.9/9

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

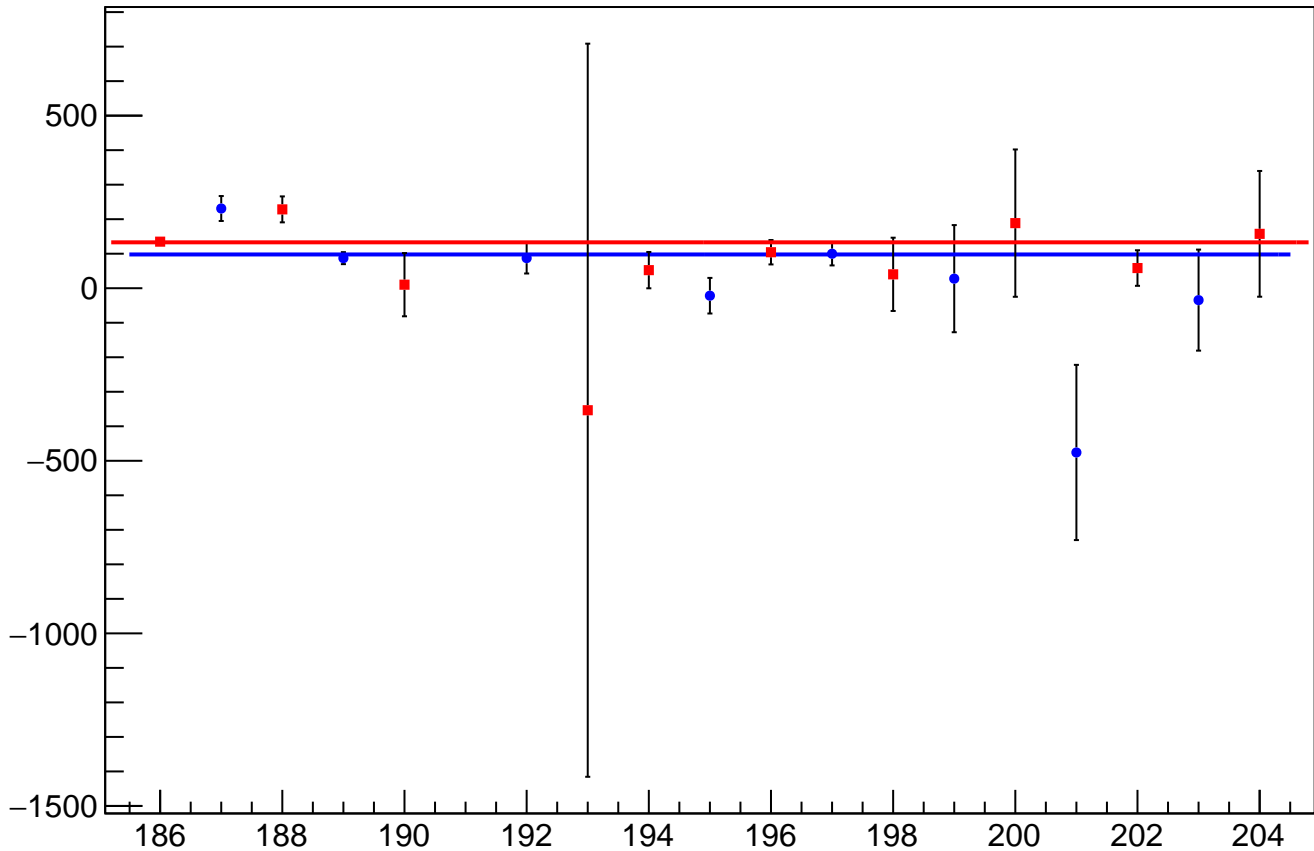
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-4.993 \pm 9.218$   $\chi^2/\text{NDF}$ : 27.8/17

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 97.820+/-12.969  $\chi^2$ /NDF: 25.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 132.960+/-7.093  $\chi^2$ /NDF: 14.5/9

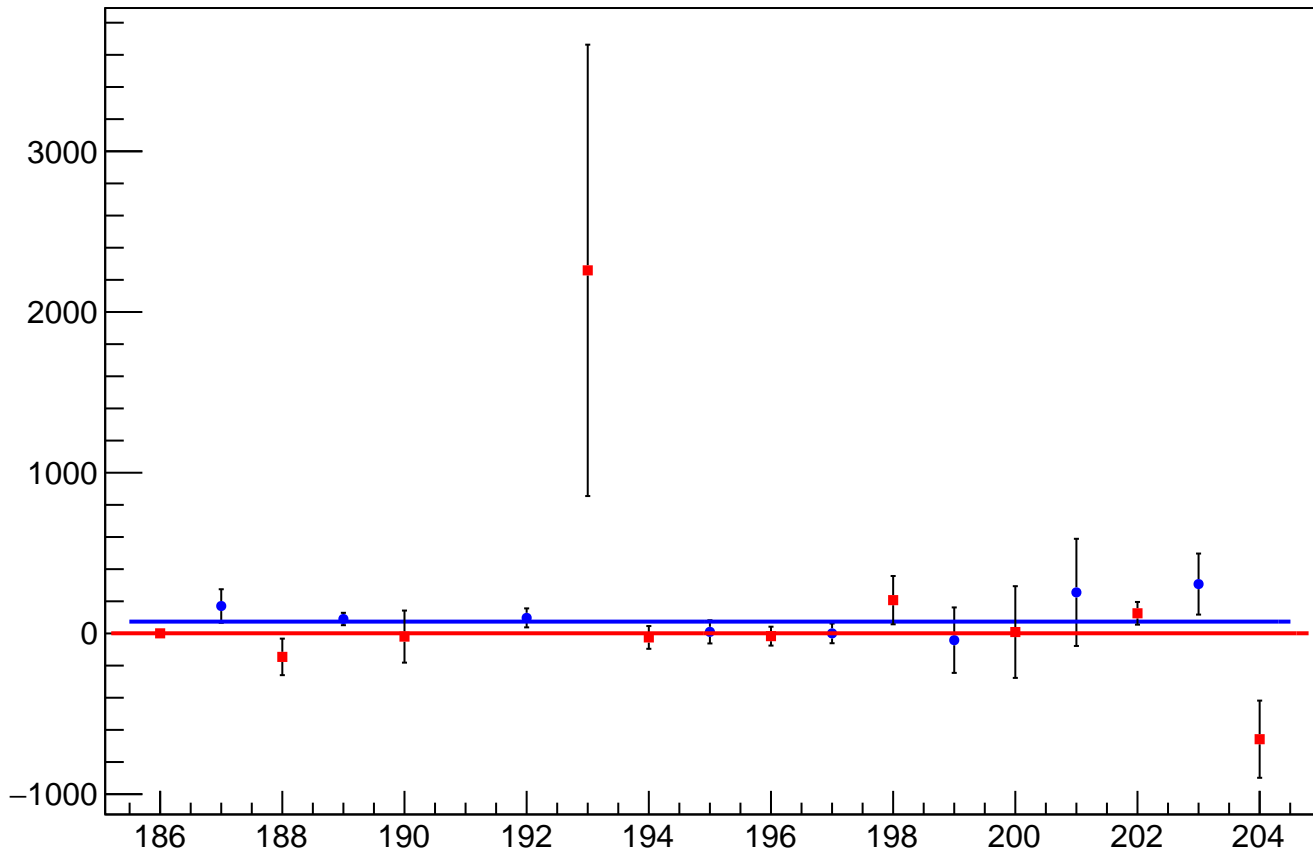
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 124.868+/-6.223  $\chi^2$ /NDF: 45.6/17

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 73.637 $\pm$ 25.207  $\chi^2$ /NDF: 5.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.019 $\pm$ 15.252  $\chi^2$ /NDF: 17.0/9

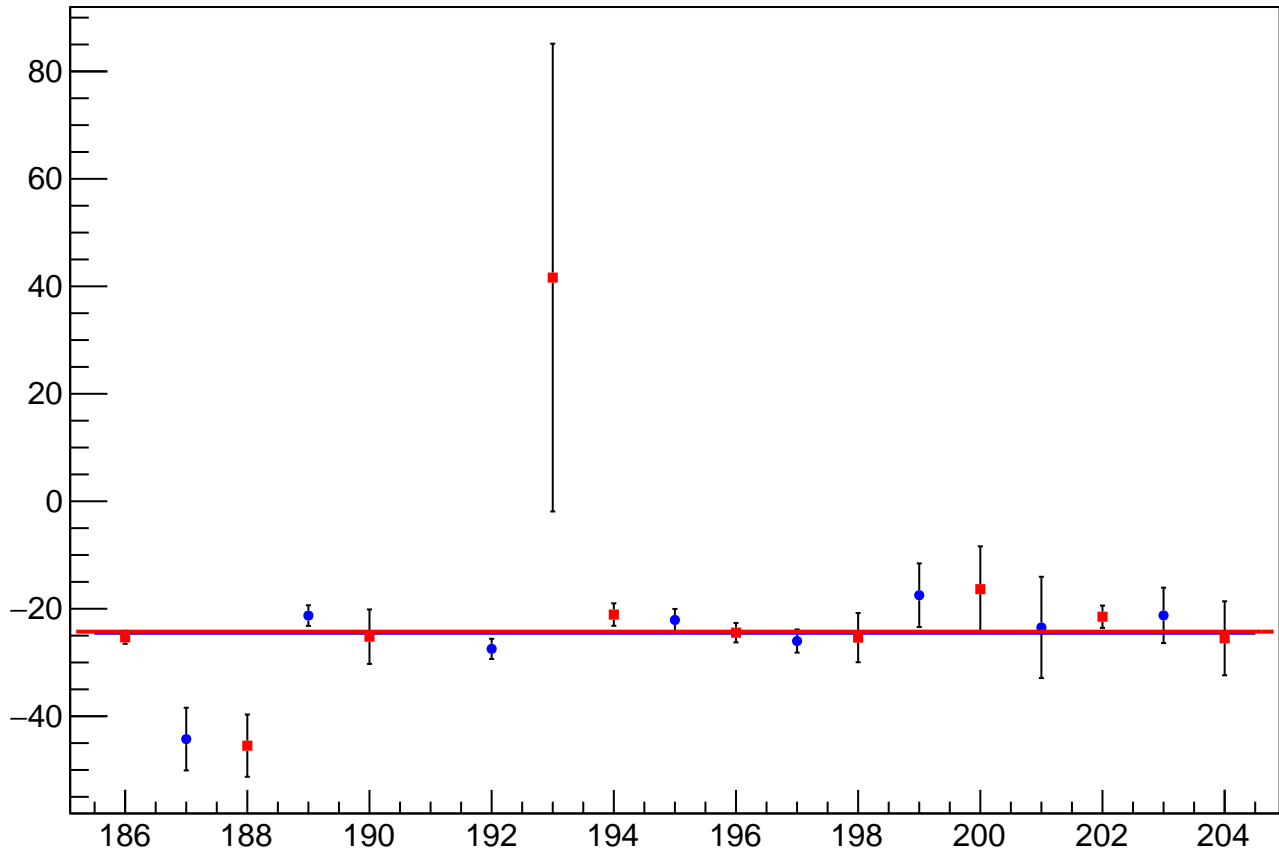
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 20.481 $\pm$ 13.049  $\chi^2$ /NDF: 28.6/17

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-24.466 \pm 0.948$   $\chi^2/\text{NDF}: 20.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-24.263 \pm 0.789$   $\chi^2/\text{NDF}: 21.7/9$

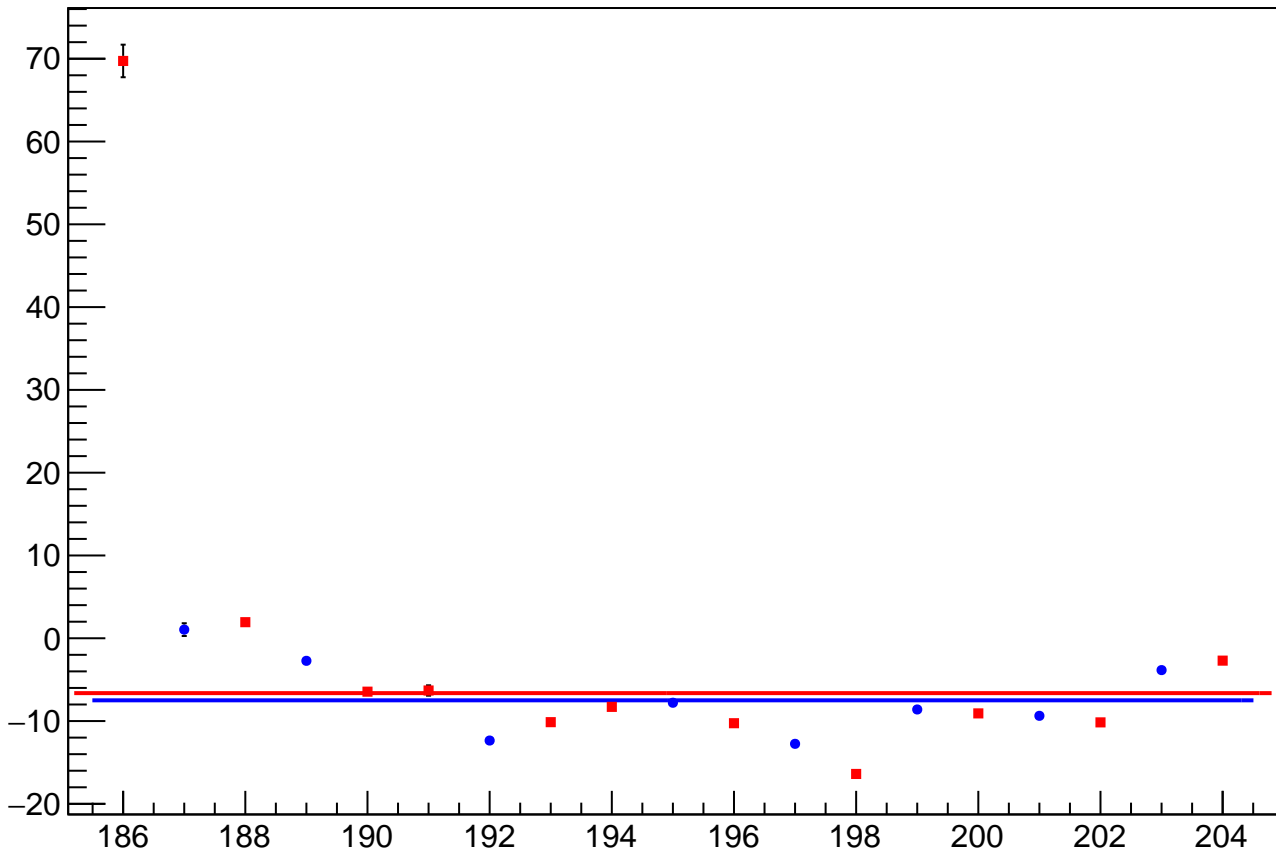
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-24.346 \pm 0.607$   $\chi^2/\text{NDF}: 42.2/17$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-7.496 \pm 0.150$   $\chi^2/\text{NDF}: 713.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.626 \pm 0.128$   $\chi^2/\text{NDF}: 3032.4/10$

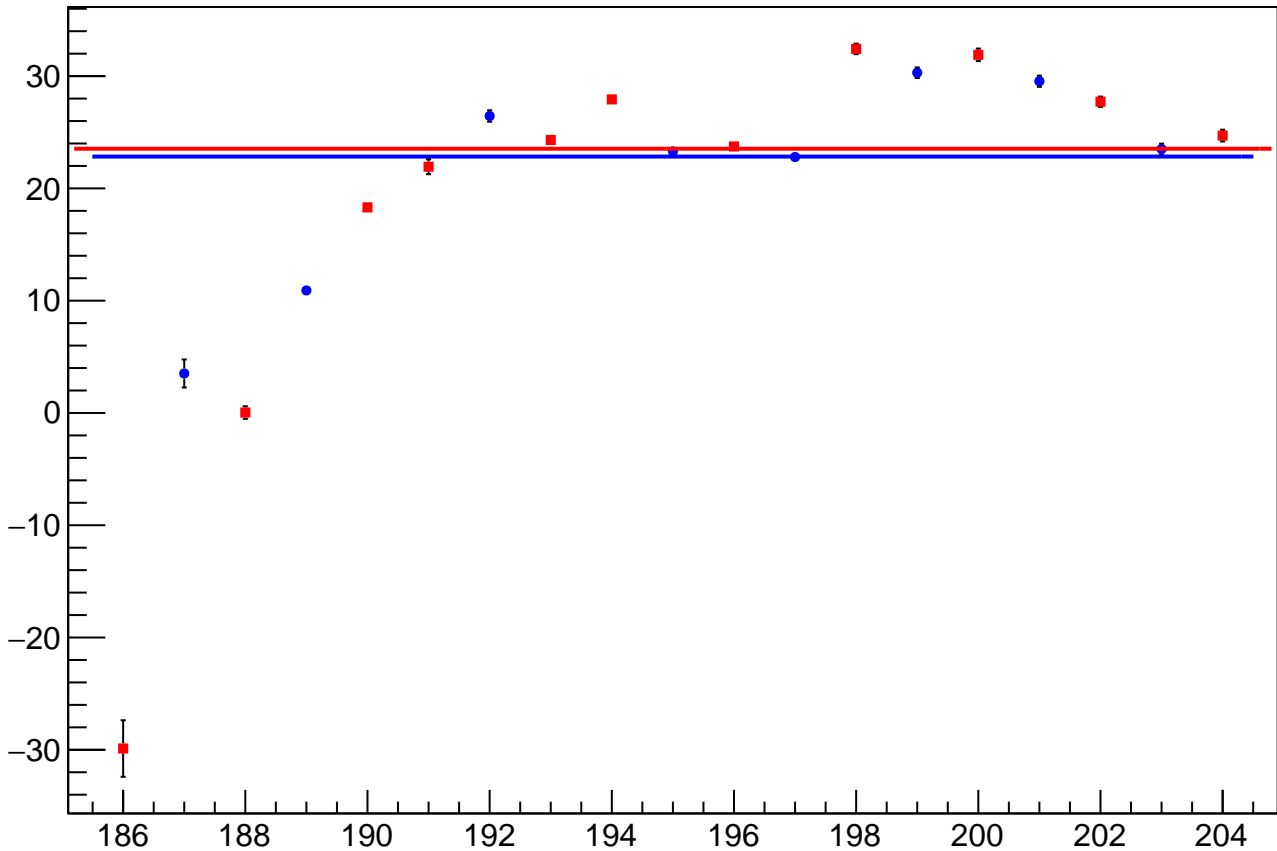
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-6.992 \pm 0.097$   $\chi^2/\text{NDF}: 3765.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 22.836+/-0.168  $\chi^2$ /NDF: 1529.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 23.534+/-0.147  $\chi^2$ /NDF: 3183.9/10

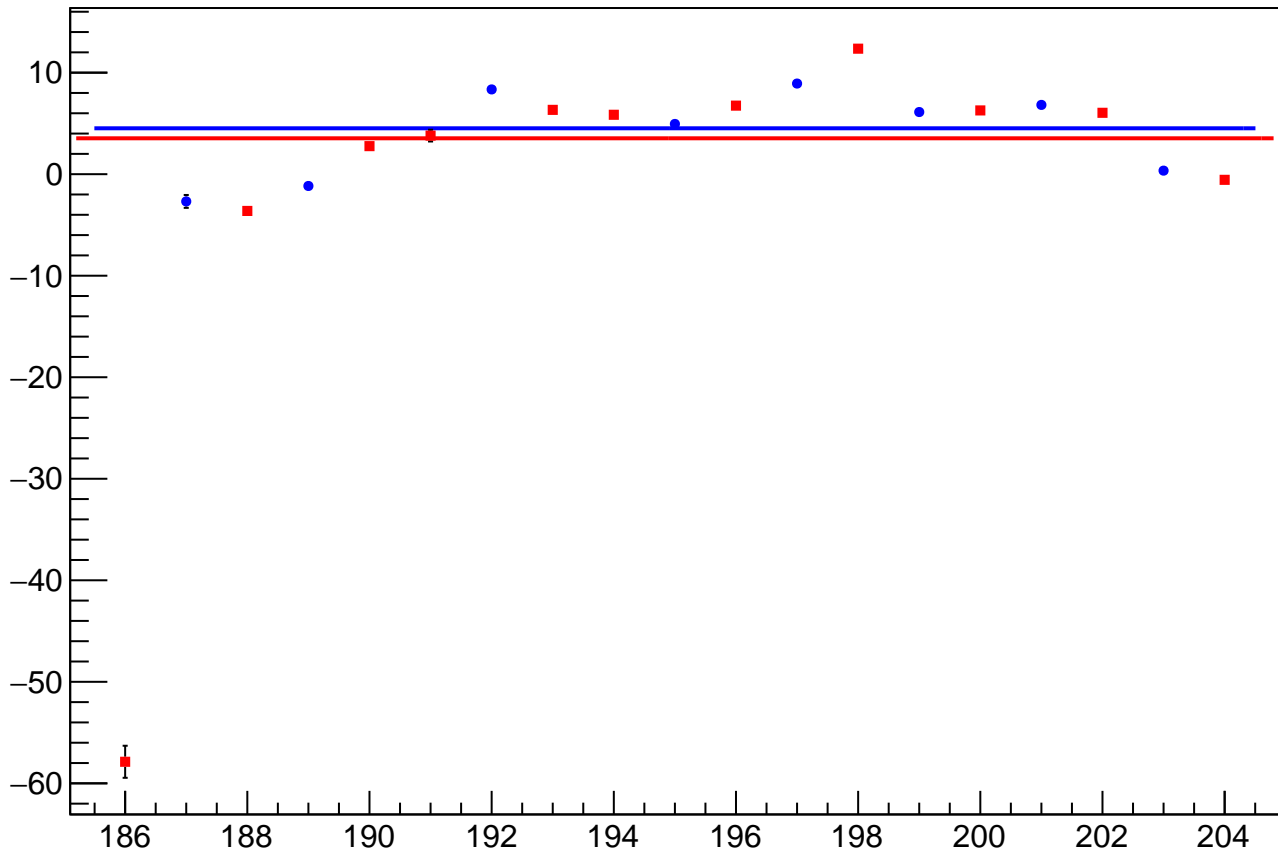
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 23.231+/-0.110  $\chi^2$ /NDF: 4723.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 4.520+/-0.134  $\chi^2/\text{NDF}$ : 872.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.534+/-0.114  $\chi^2/\text{NDF}$ : 3151.8/10

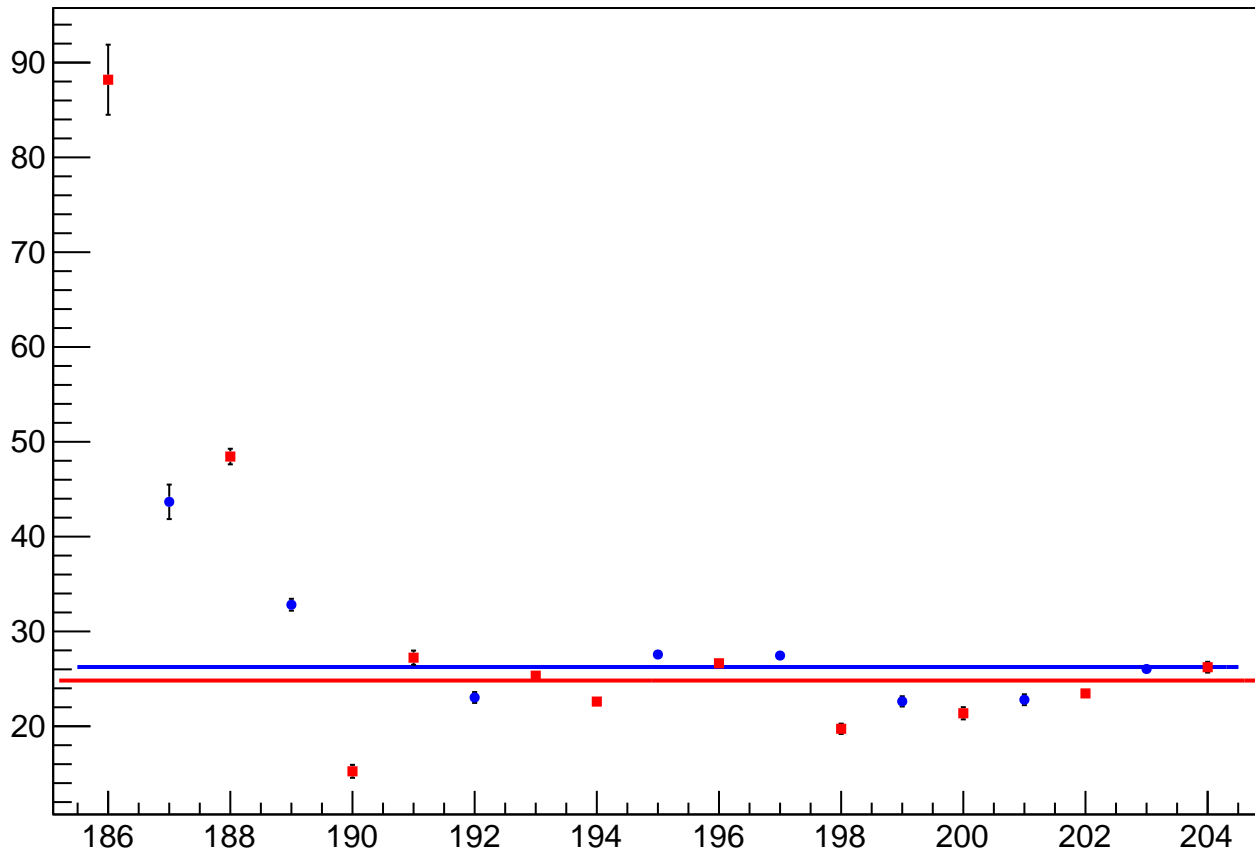
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.950+/-0.087  $\chi^2/\text{NDF}$ : 4055.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 26.247 $\pm$ 0.200  $\chi^2$ /NDF: 328.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 24.820 $\pm$ 0.177  $\chi^2$ /NDF: 1492.6/10

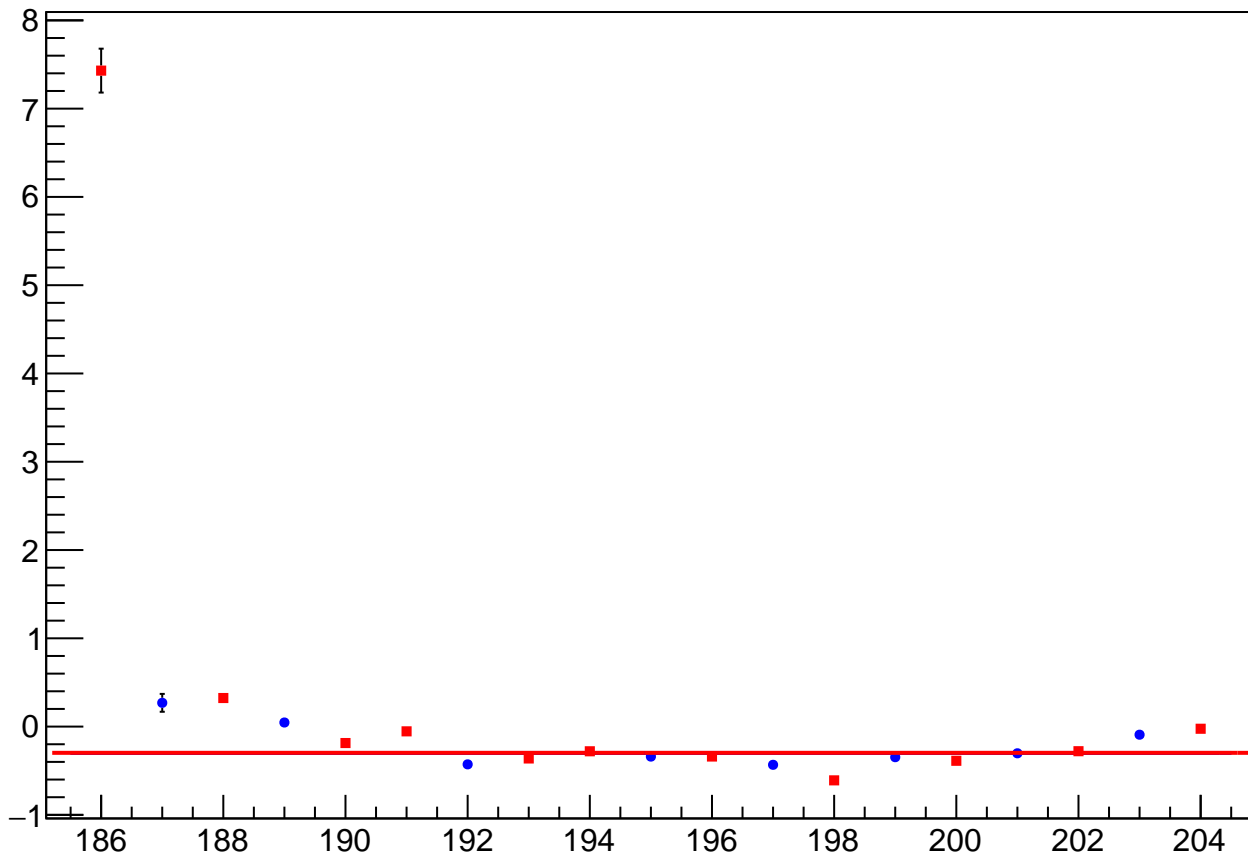
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 25.448 $\pm$ 0.132  $\chi^2$ /NDF: 1849.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.299 \pm 0.006$   $\chi^2/\text{NDF}: 590.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.297 \pm 0.006$   $\chi^2/\text{NDF}: 1920.6/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

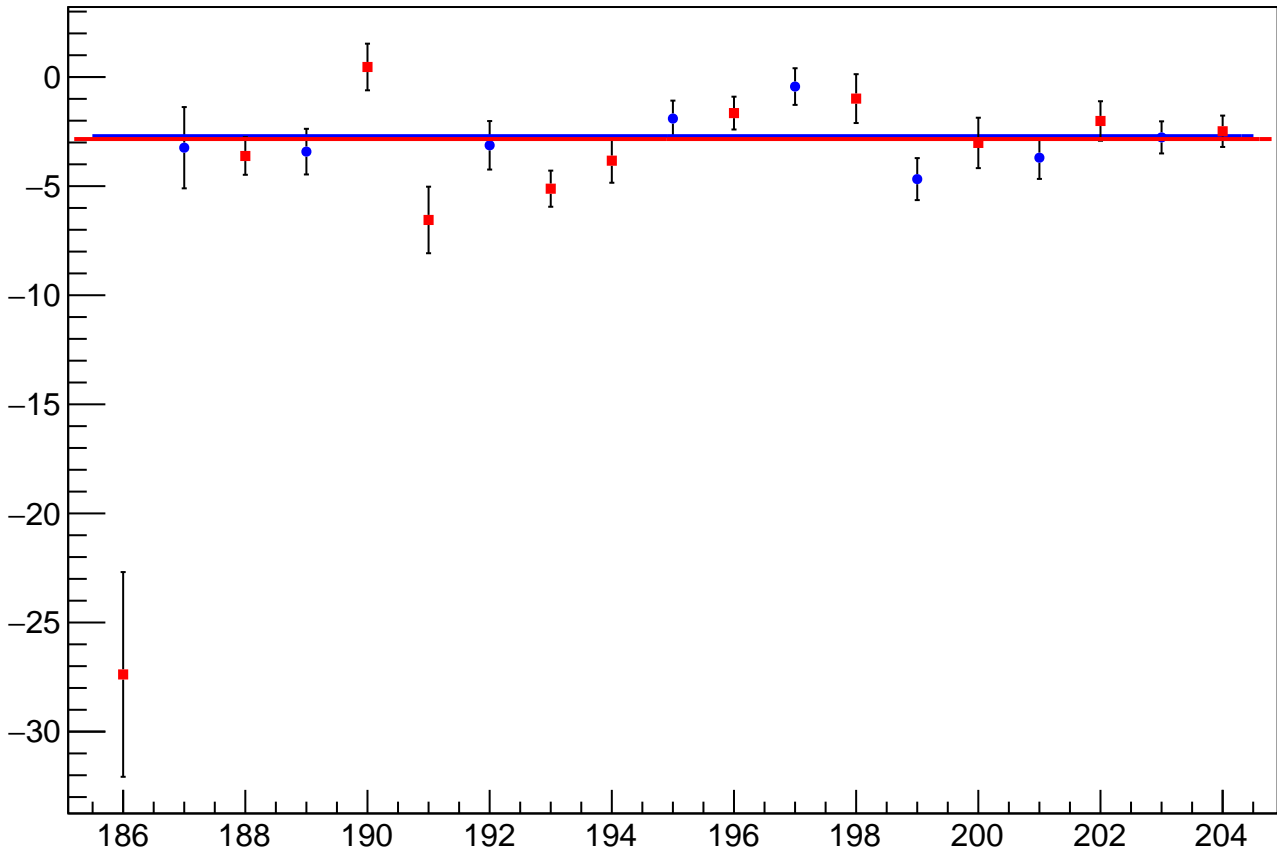
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.298 \pm 0.004$   $\chi^2/\text{NDF}: 2511.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam\_15\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-2.709 \pm 0.335$   $\chi^2/\text{NDF}: 14.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-2.842 \pm 0.294$   $\chi^2/\text{NDF}: 58.5/10$

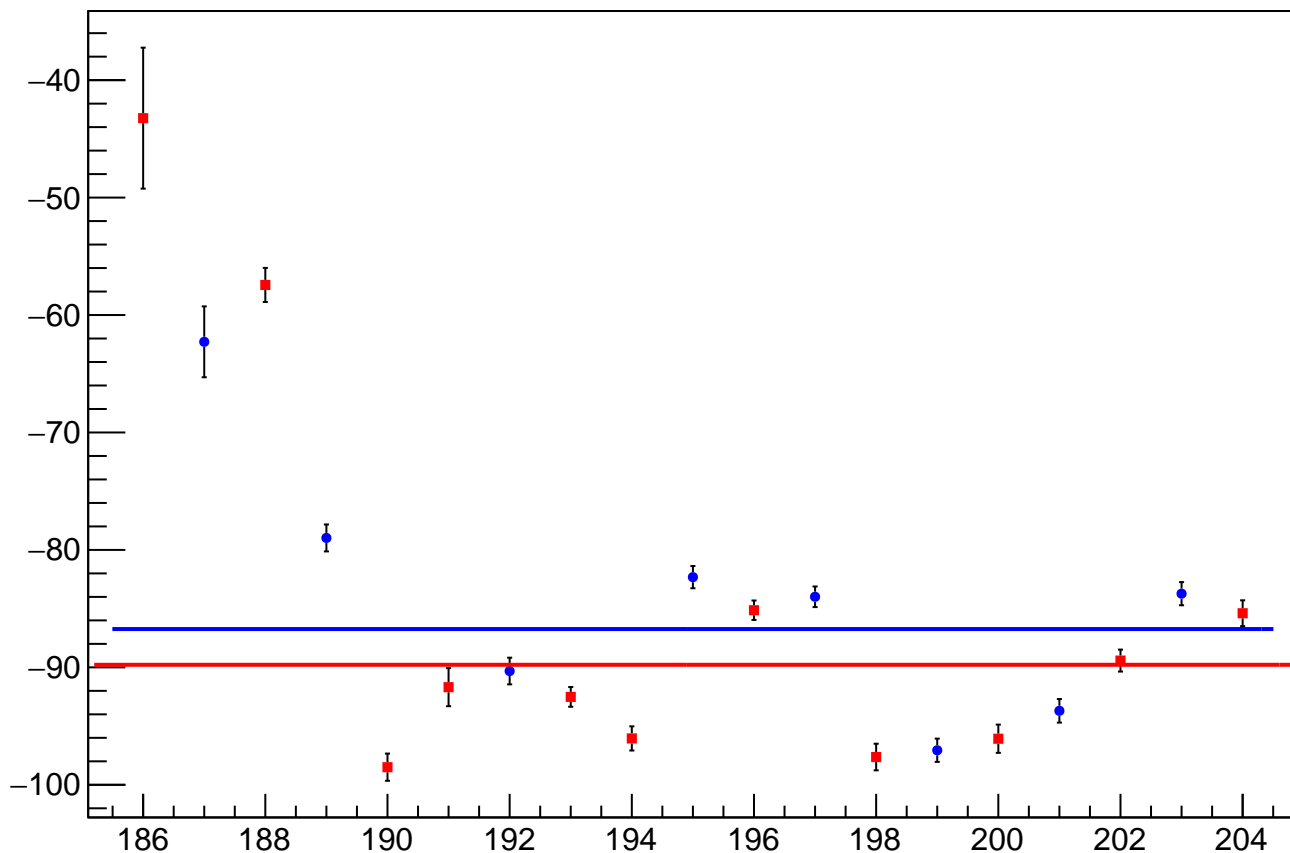
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-2.784 \pm 0.221$   $\chi^2/\text{NDF}: 72.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-86.737 \pm 0.375$   $\chi^2/\text{NDF}: 318.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-89.781 \pm 0.335$   $\chi^2/\text{NDF}: 785.6/10$

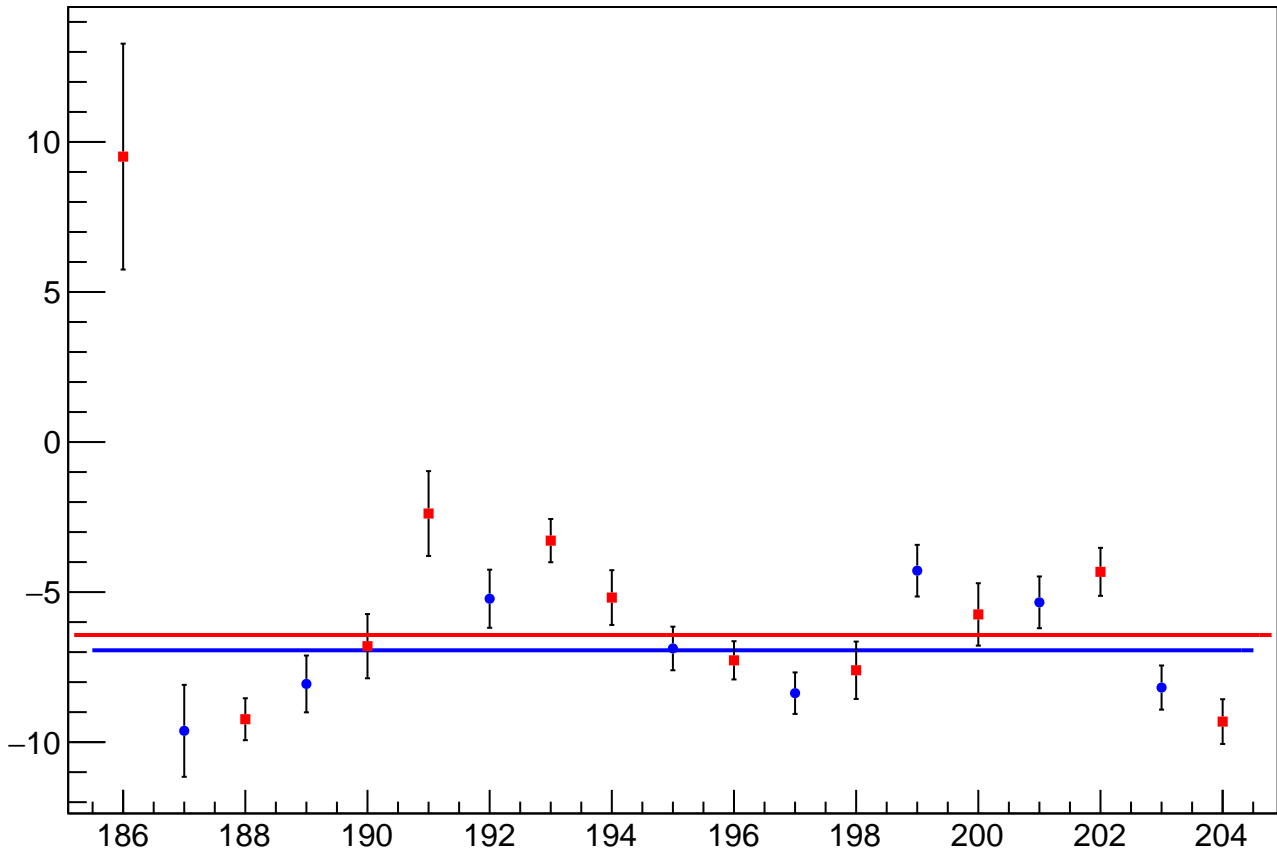
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-88.429 \pm 0.250$   $\chi^2/\text{NDF}: 1140.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-6.939 \pm 0.300$   $\chi^2/\text{NDF}: 27.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.429 \pm 0.263$   $\chi^2/\text{NDF}: 88.9/10$

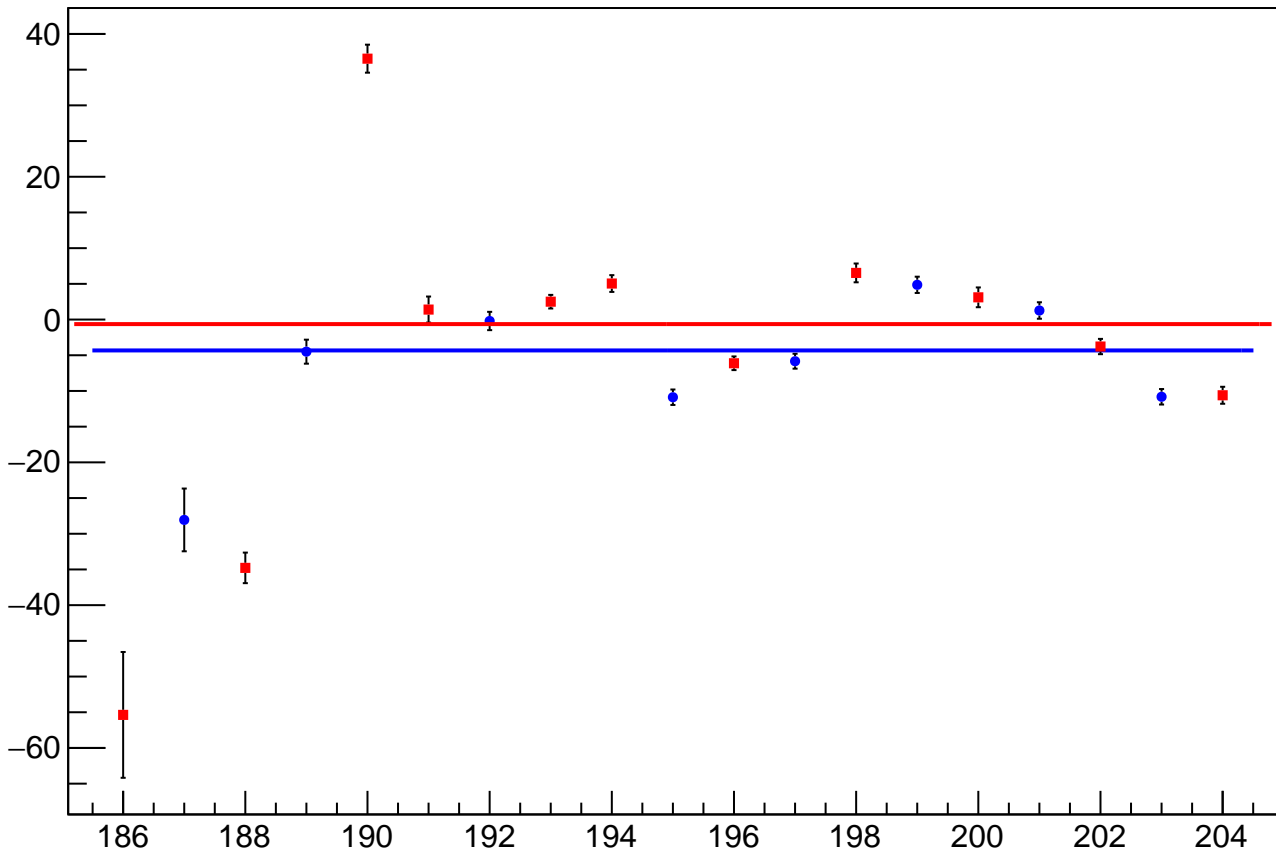
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-6.651 \pm 0.198$   $\chi^2/\text{NDF}: 118.3/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-4.325 \pm 0.440$   $\chi^2/\text{NDF}: 202.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.636 \pm 0.396$   $\chi^2/\text{NDF}: 836.7/10$

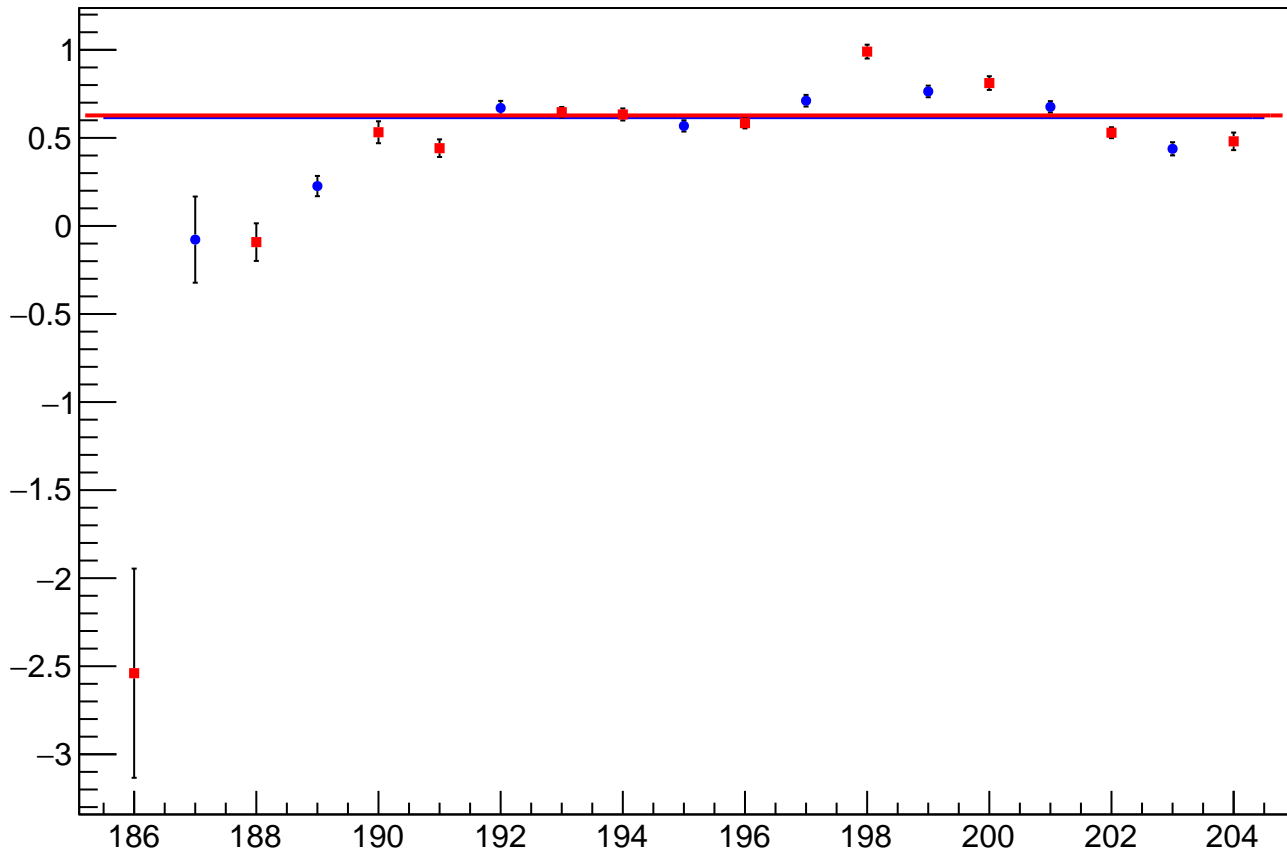
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-2.283 \pm 0.294$   $\chi^2/\text{NDF}: 1078.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.618 $\pm$ 0.014  $\chi^2$ /NDF: 112.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.628 $\pm$ 0.012  $\chi^2$ /NDF: 218.4/10

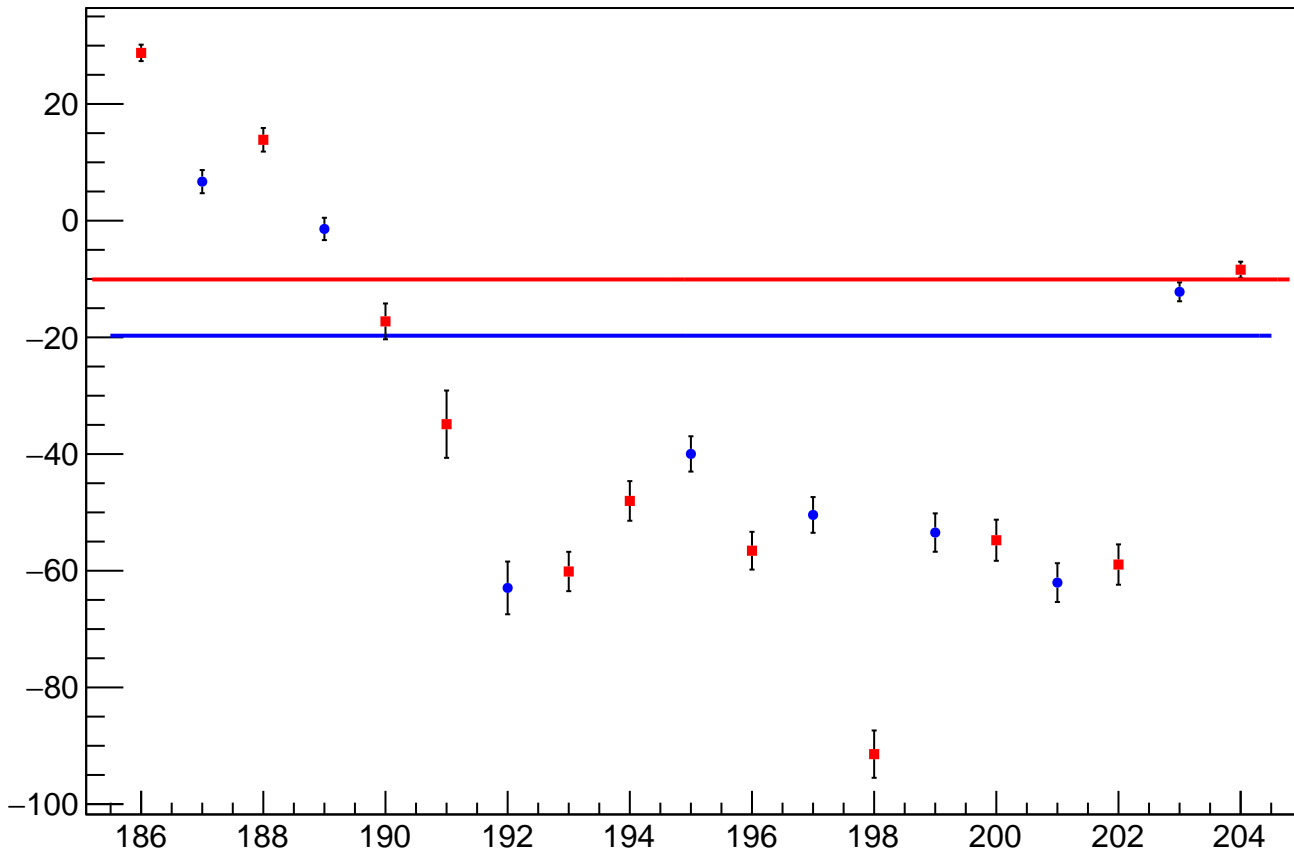
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.623 $\pm$ 0.009  $\chi^2$ /NDF: 331.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-19.714 \pm 0.859$   $\chi^2/\text{NDF}: 794.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-10.075 \pm 0.725$   $\chi^2/\text{NDF}: 2239.6/10$

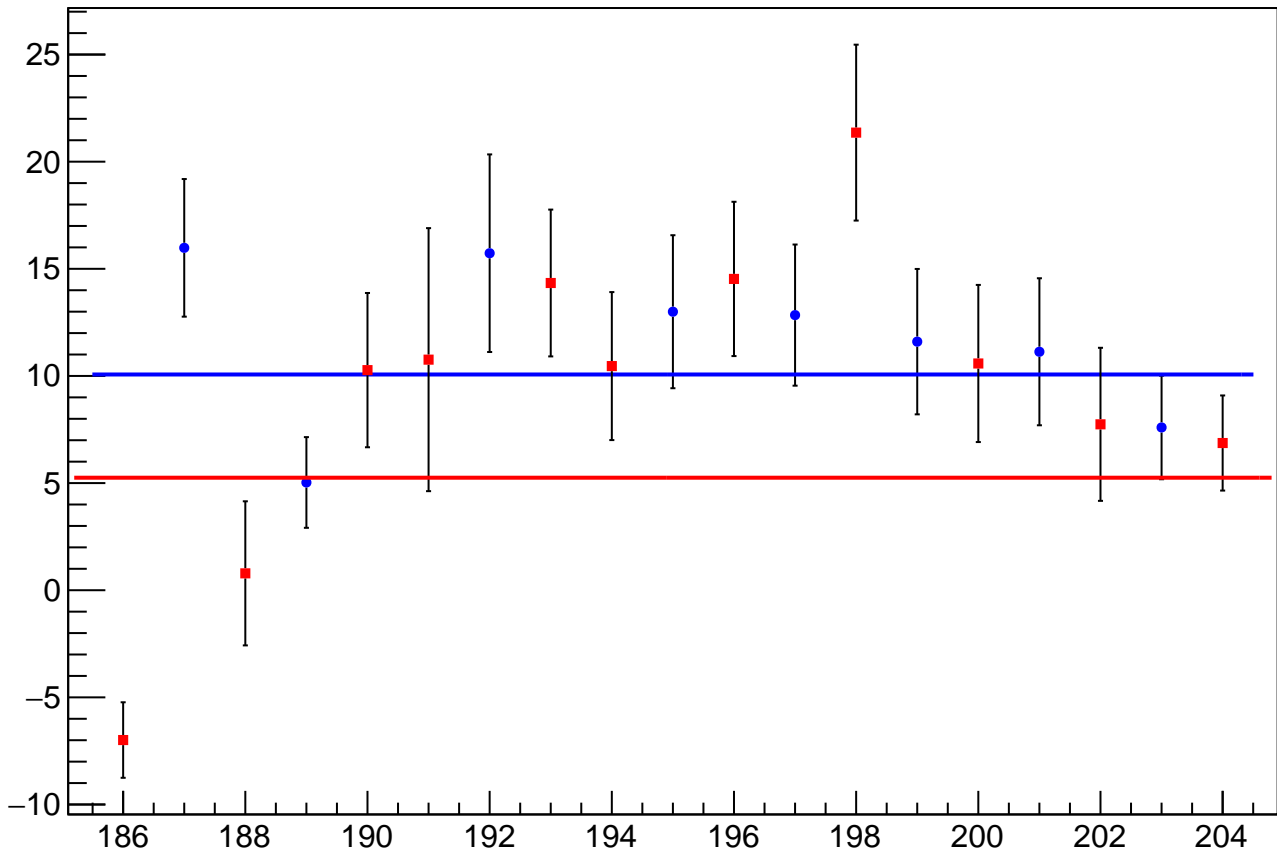
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-14.083 \pm 0.554$   $\chi^2/\text{NDF}: 3107.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

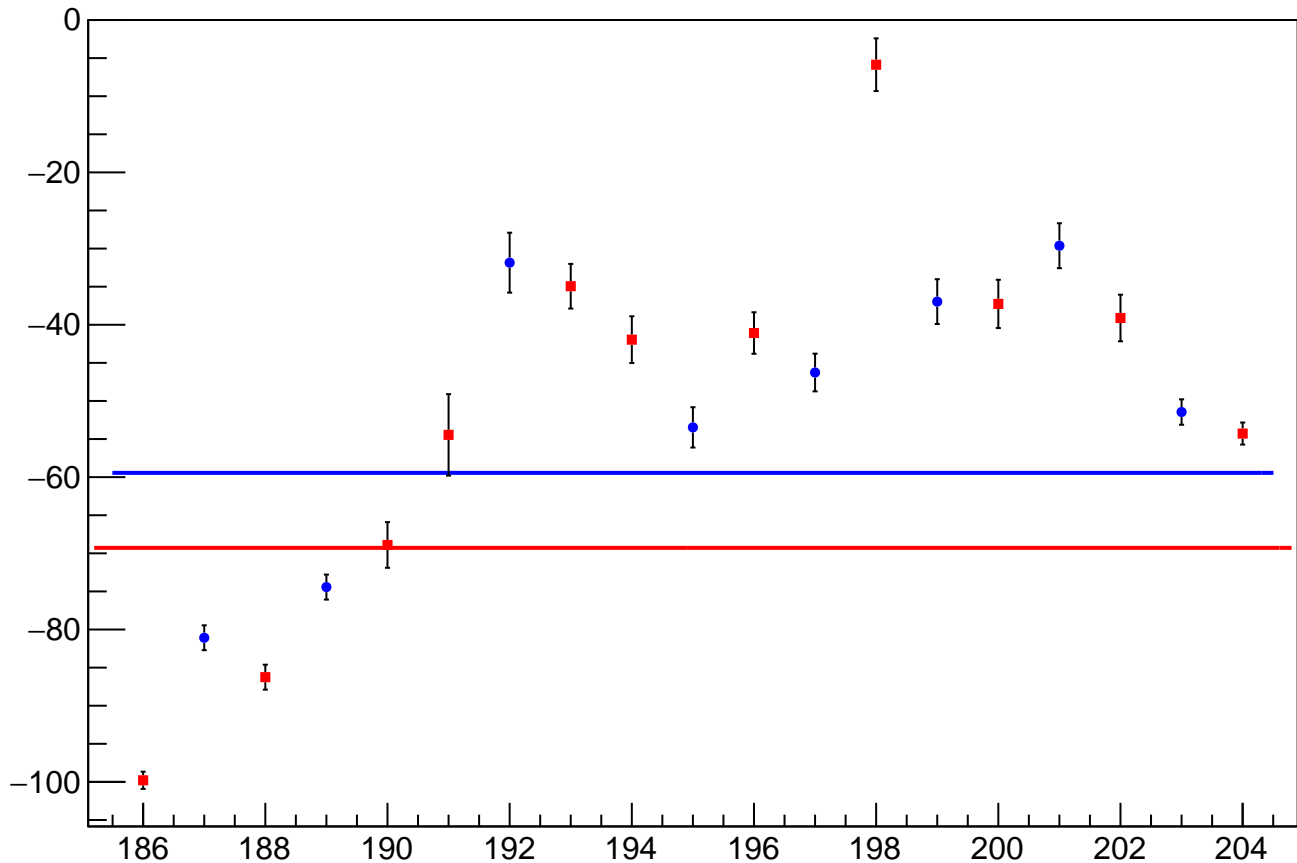
# reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 10.068+/-1.066  $\chi^2$ /NDF: 13.3/7  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 5.251+/-0.922  $\chi^2$ /NDF: 87.2/10  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
All: 7.314+/-0.697  $\chi^2$ /NDF: 112.2/18  
- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-59.436 \pm 0.765$   $\chi^2/\text{NDF}: 525.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-69.280 \pm 0.643$   $\chi^2/\text{NDF}: 1807.3/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

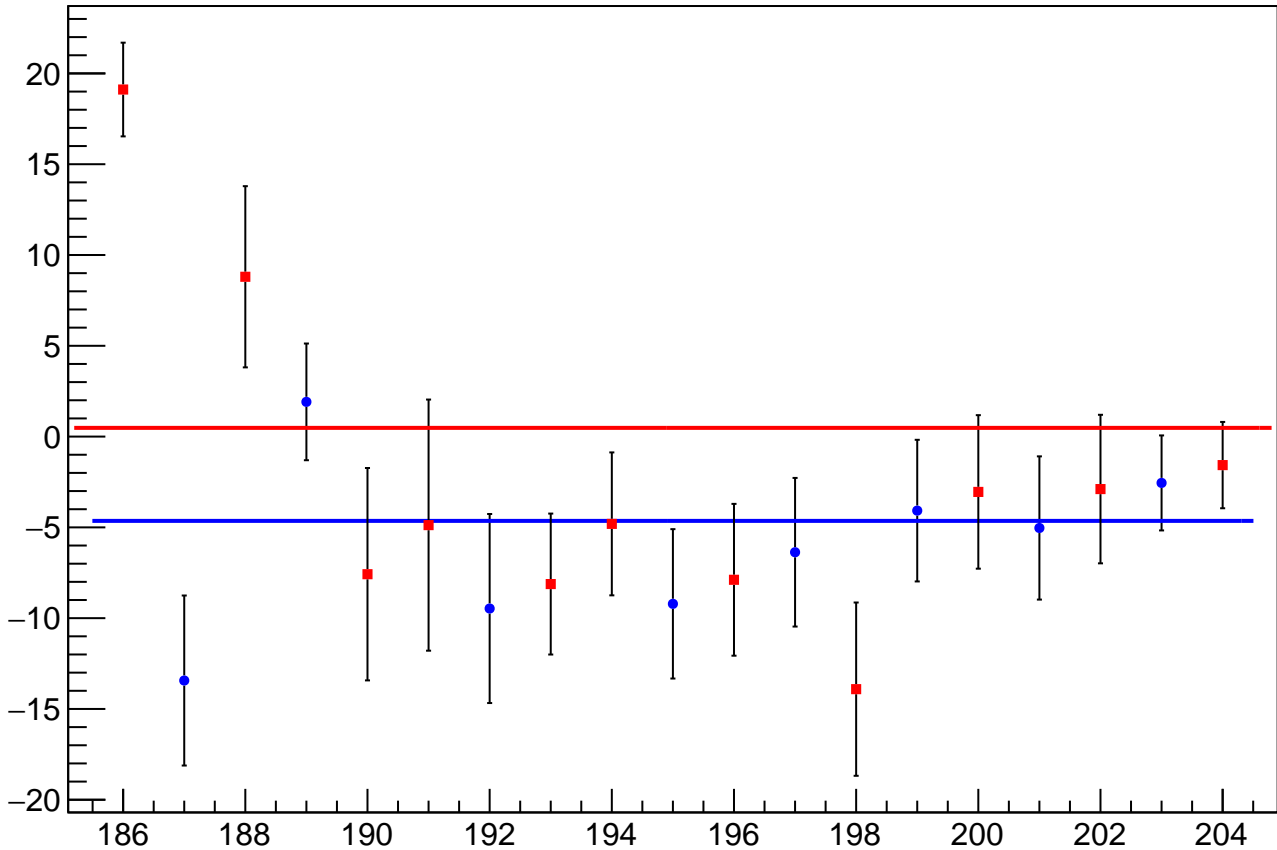
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-65.211 \pm 0.492$   $\chi^2/\text{NDF}: 2429.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: -4.643+/-1.320  $\chi^2$ /NDF: 10.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.480+/-1.143  $\chi^2$ /NDF: 79.4/10

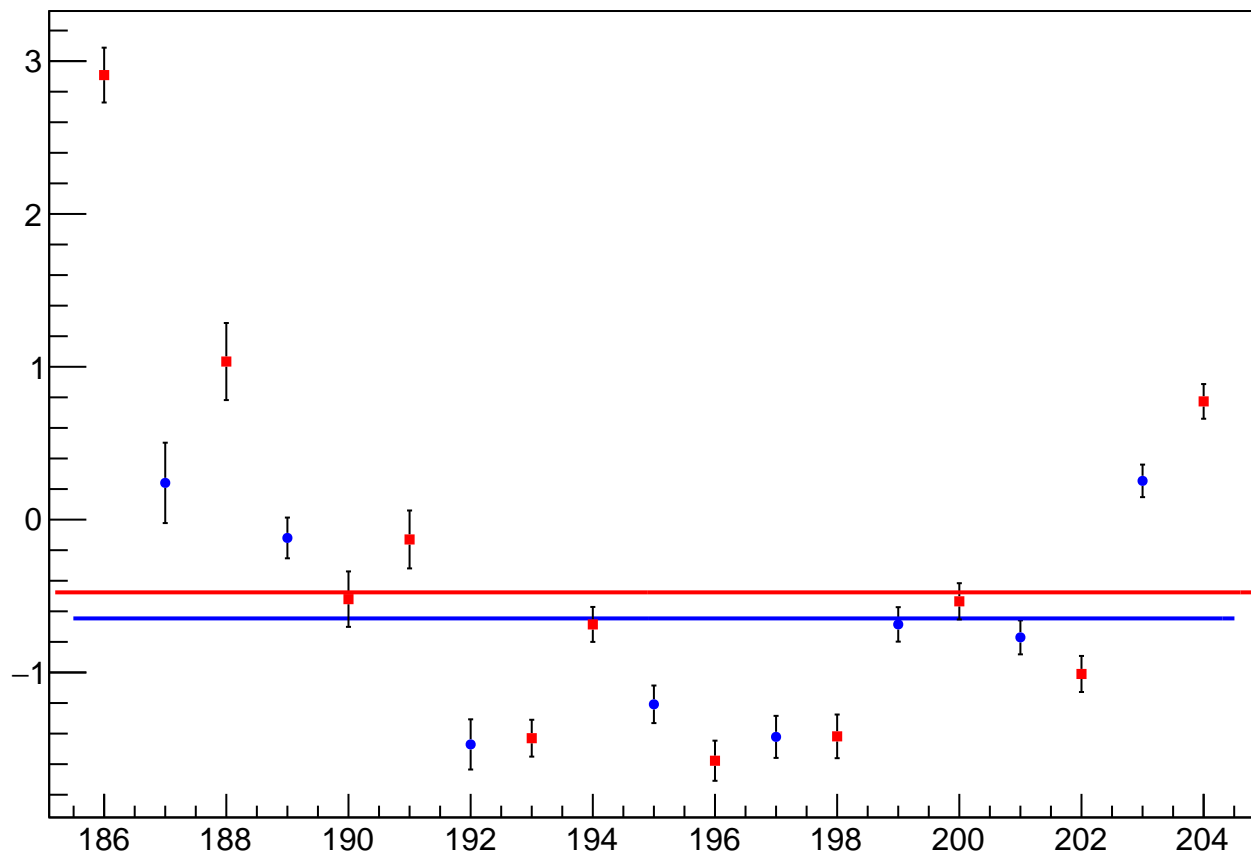
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -1.716+/-0.864  $\chi^2$ /NDF: 98.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.646 \pm 0.046$   $\chi^2/\text{NDF}: 177.6/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.476 \pm 0.042$   $\chi^2/\text{NDF}: 717.2/10$

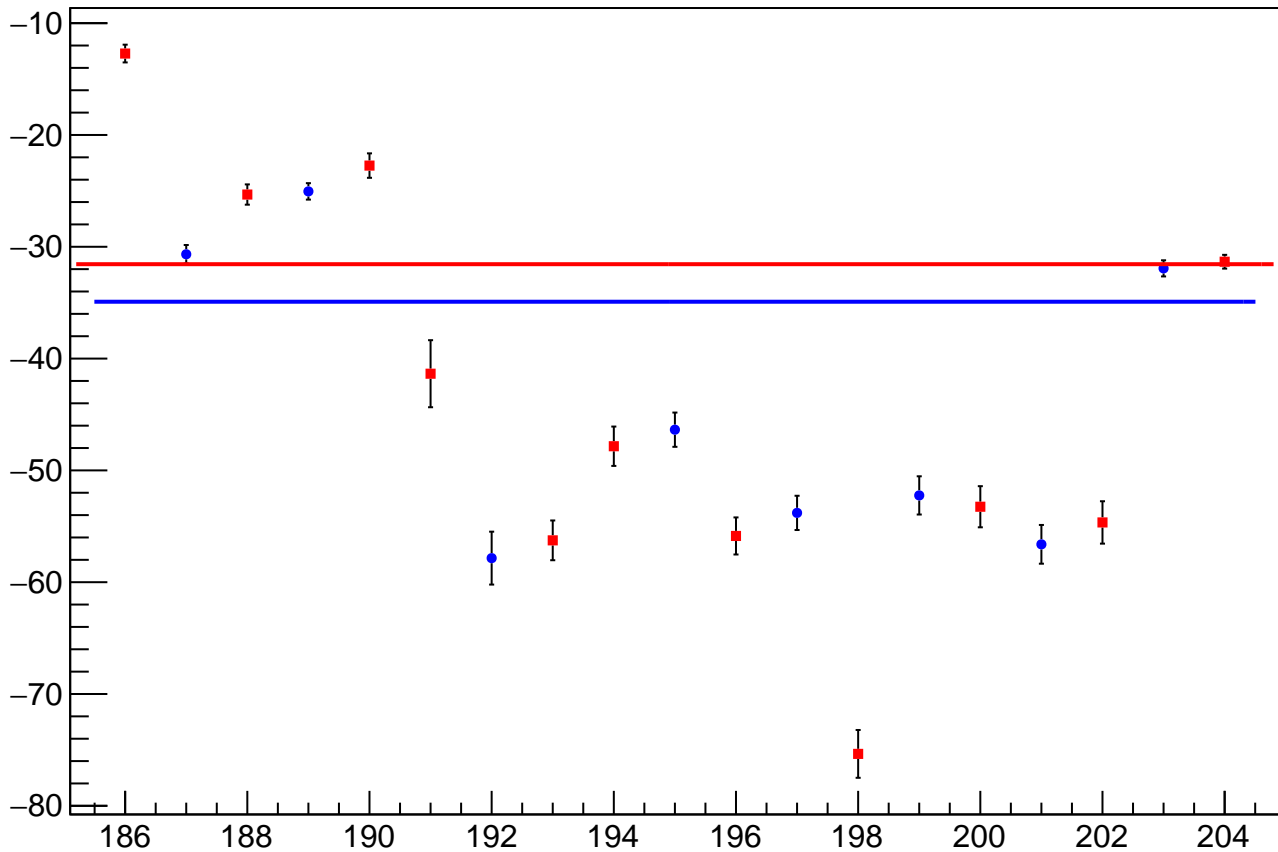
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.553 \pm 0.031$   $\chi^2/\text{NDF}: 902.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_37\_dd\_diff\_bpm1X\_slope vs Slug



Right In: -34.915+/-0.380  $\chi^2$ /NDF: 785.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -31.557+/-0.349  $\chi^2$ /NDF: 1887.3/10

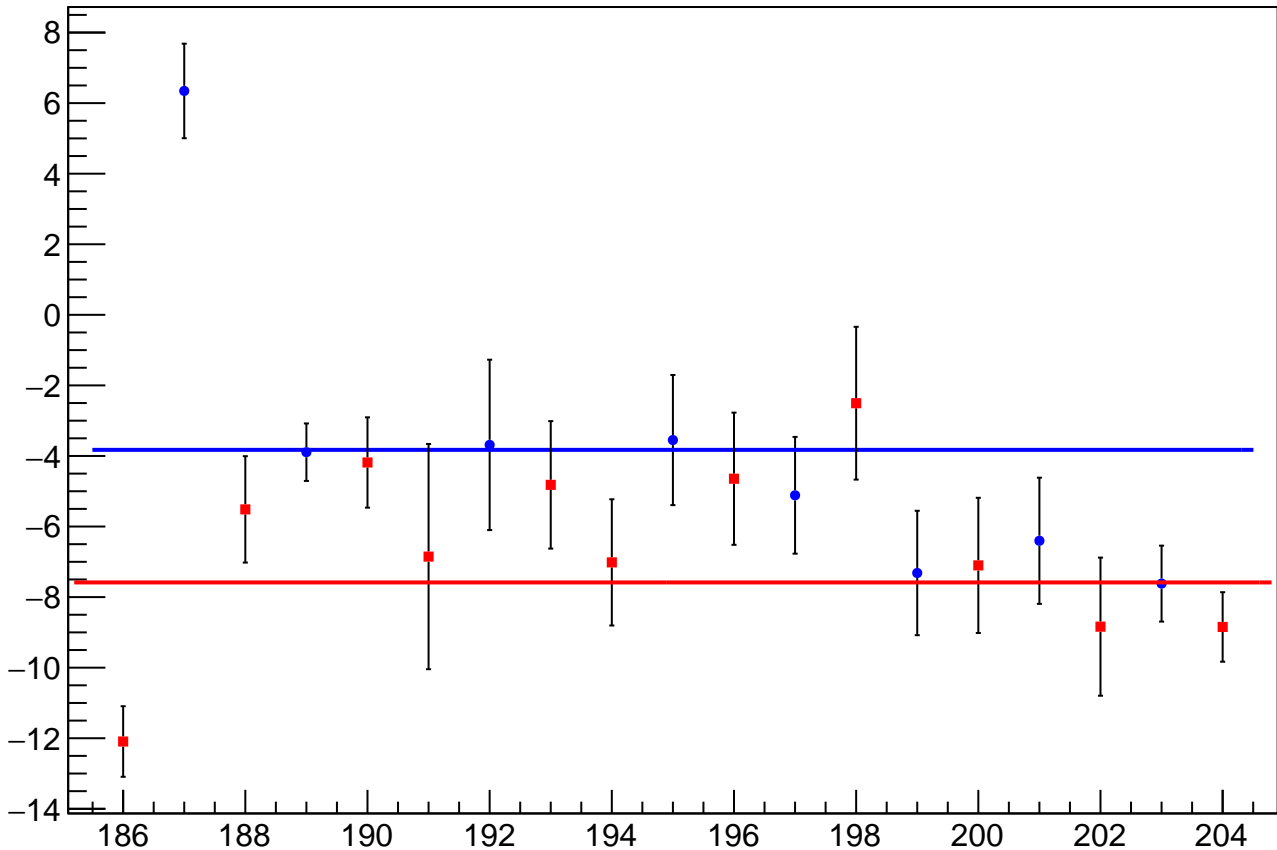
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -33.097+/-0.257  $\chi^2$ /NDF: 2714.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-3.827 \pm 0.477$   $\chi^2/\text{NDF}: 76.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-7.584 \pm 0.455$   $\chi^2/\text{NDF}: 41.8/10$

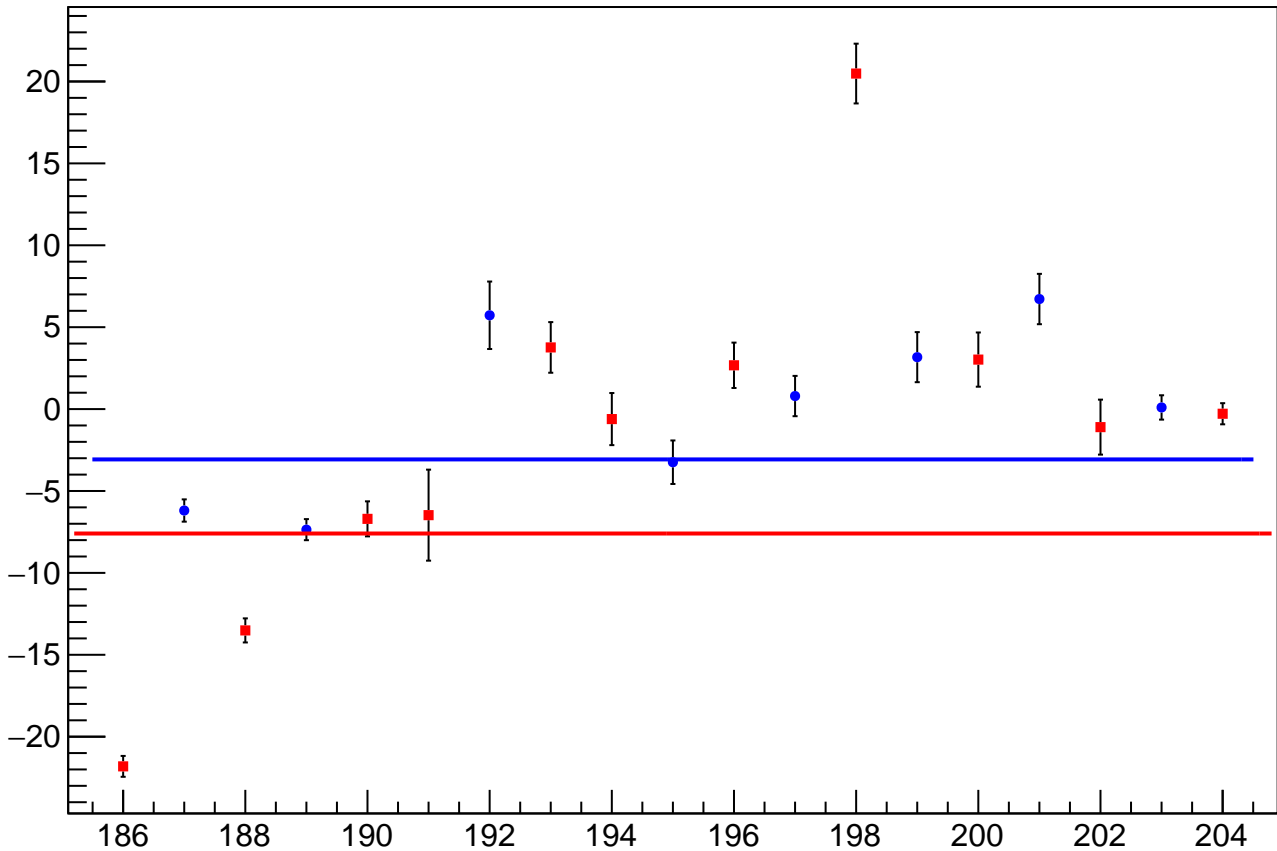
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.795 \pm 0.329$   $\chi^2/\text{NDF}: 151.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-3.073 \pm 0.339$   $\chi^2/\text{NDF}$ : 169.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-7.596 \pm 0.315$   $\chi^2/\text{NDF}$ : 1113.2/10

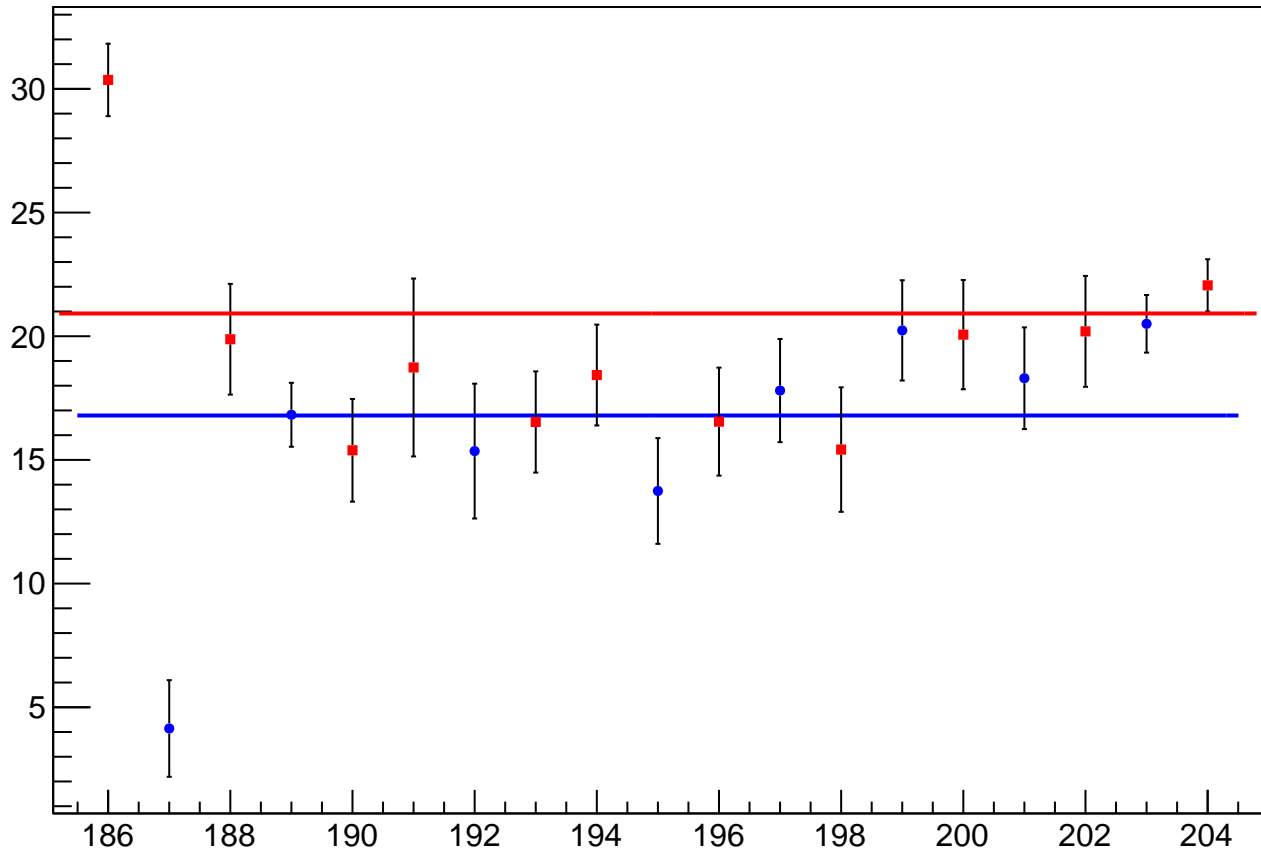
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-5.500 \pm 0.231$   $\chi^2/\text{NDF}$ : 1377.8/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 16.796 $\pm$ 0.613  $\chi^2$ /NDF: 58.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 20.920 $\pm$ 0.566  $\chi^2$ /NDF: 65.5/10

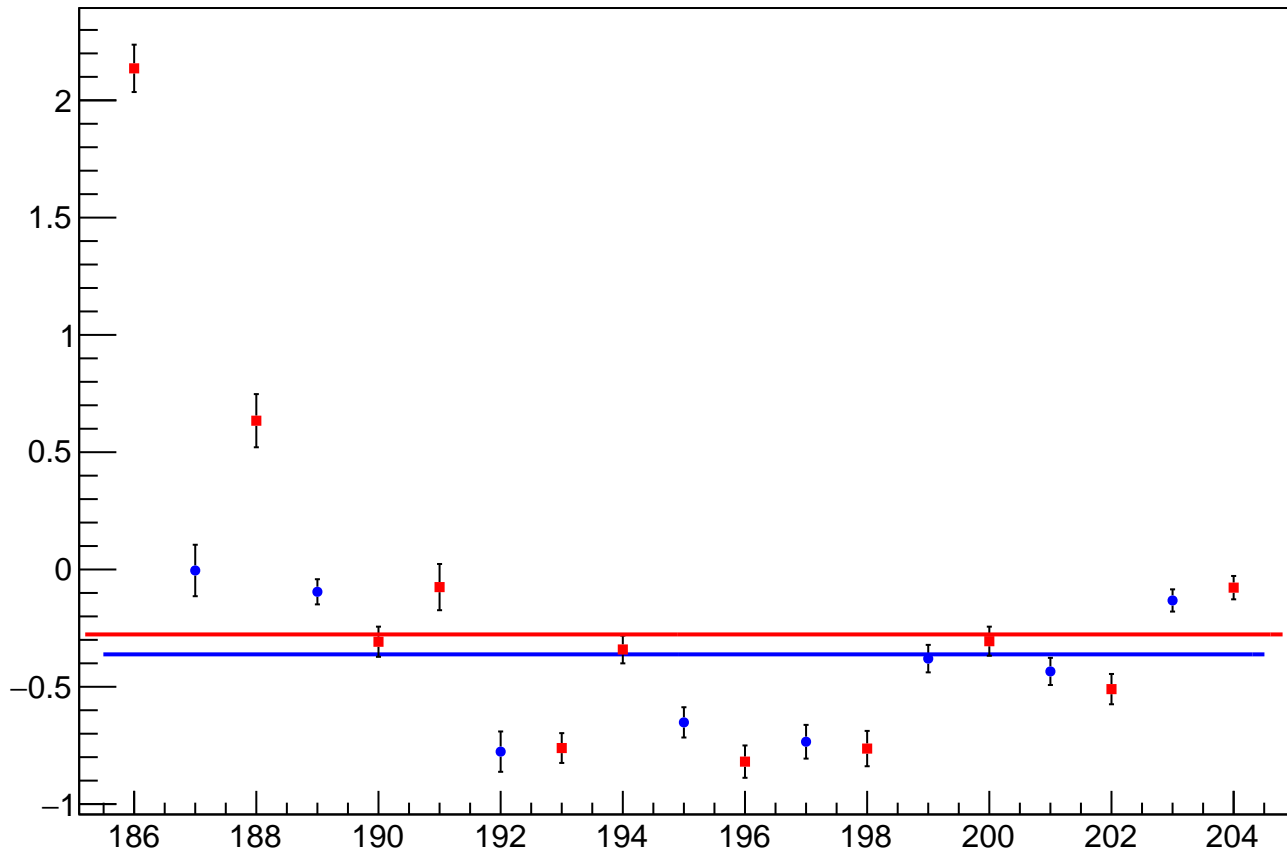
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 19.022 $\pm$ 0.416  $\chi^2$ /NDF: 148.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.362 \pm 0.022$   $\chi^2/\text{NDF}: 130.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.277 \pm 0.021$   $\chi^2/\text{NDF}: 832.6/10$

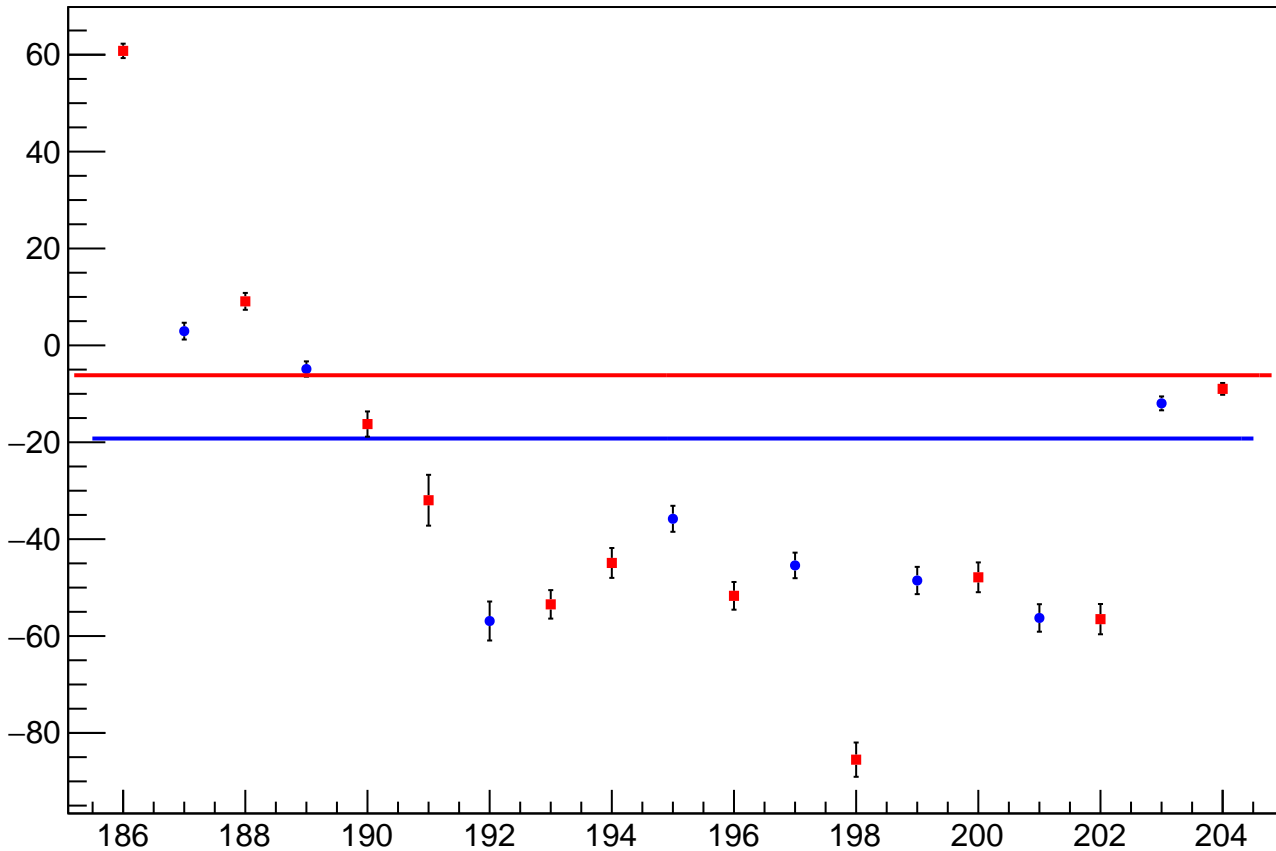
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.316 \pm 0.015$   $\chi^2/\text{NDF}: 971.3/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_26\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-19.227 \pm 0.742$   $\chi^2/\text{NDF}: 775.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.166 \pm 0.663$   $\chi^2/\text{NDF}: 3766.7/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

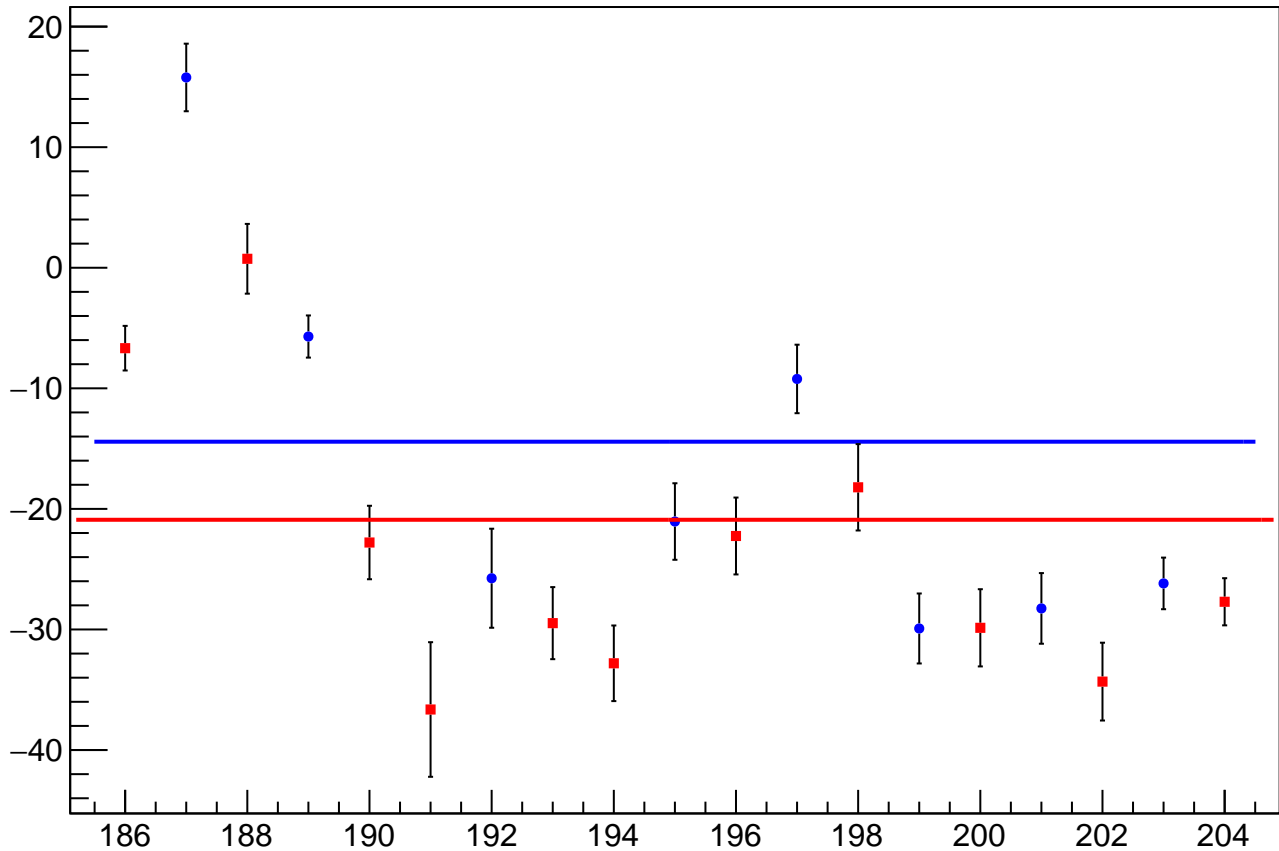
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-11.968 \pm 0.495$   $\chi^2/\text{NDF}: 4714.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug



Right In:  $-14.427 \pm 0.916$   $\chi^2/\text{NDF}: 237.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-20.903 \pm 0.846$   $\chi^2/\text{NDF}: 184.1/10$

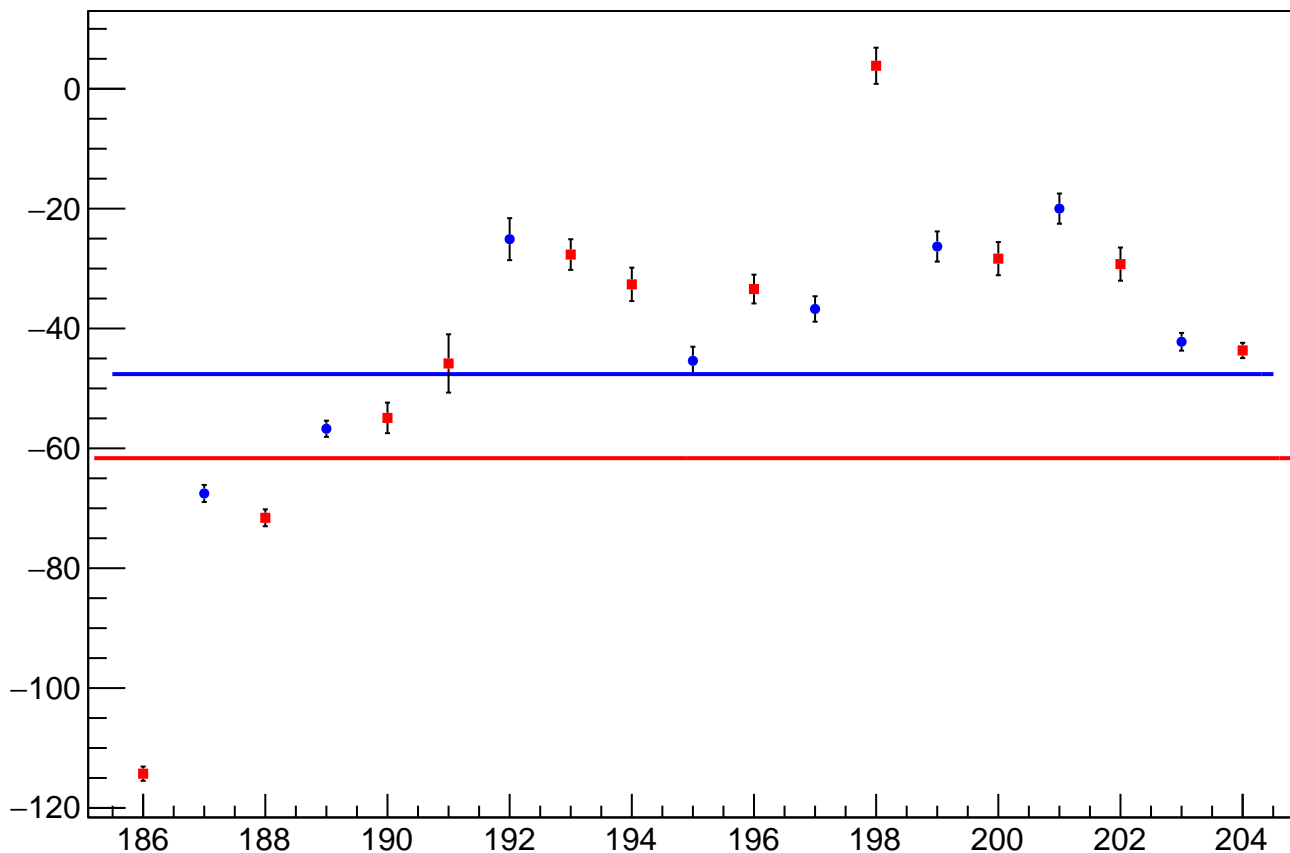
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-17.923 \pm 0.622$   $\chi^2/\text{NDF}: 448.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-47.611 \pm 0.659$   $\chi^2/\text{NDF}: 514.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-61.638 \pm 0.593$   $\chi^2/\text{NDF}: 3403.8/10$

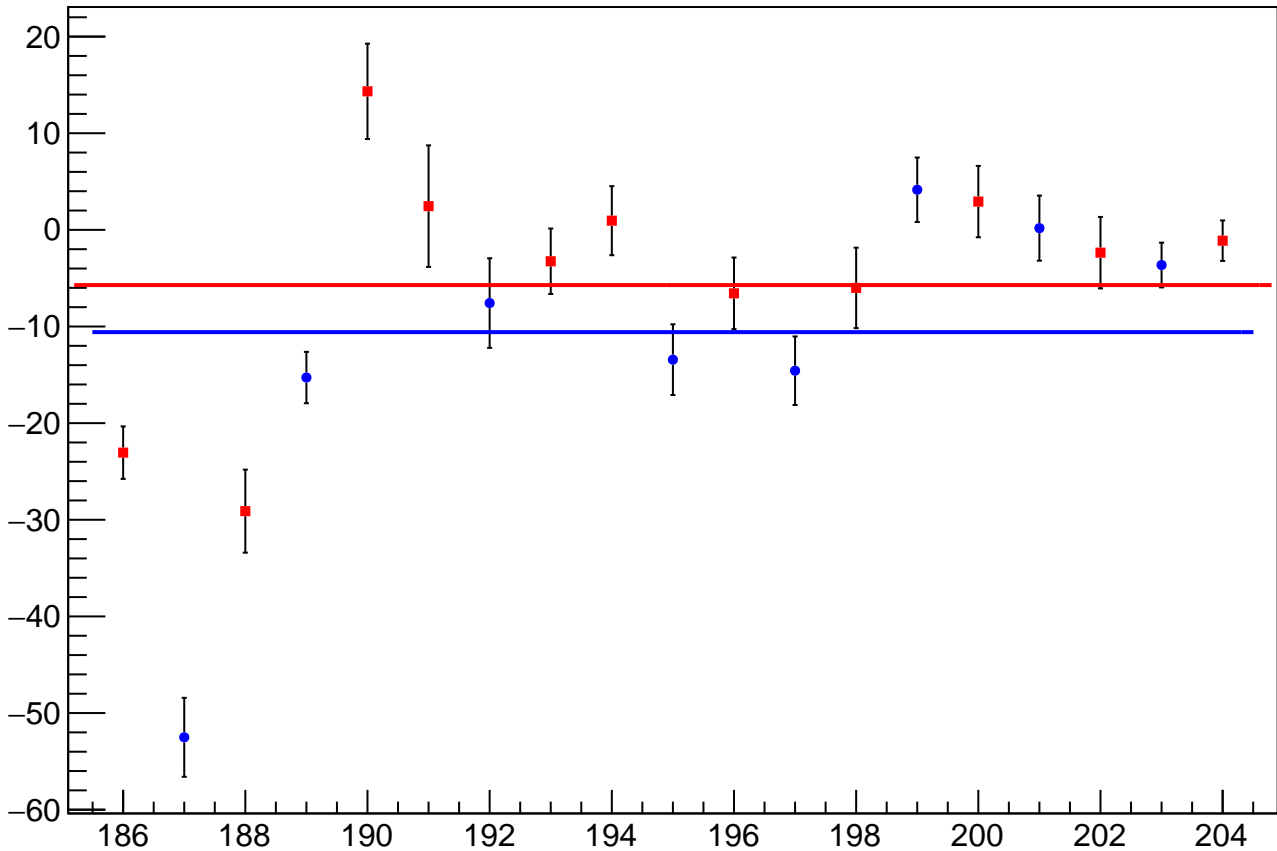
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-55.369 \pm 0.441$   $\chi^2/\text{NDF}: 4169.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-10.582 \pm 1.142$   $\chi^2/\text{NDF}: 149.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.713 \pm 1.039$   $\chi^2/\text{NDF}: 103.8/10$

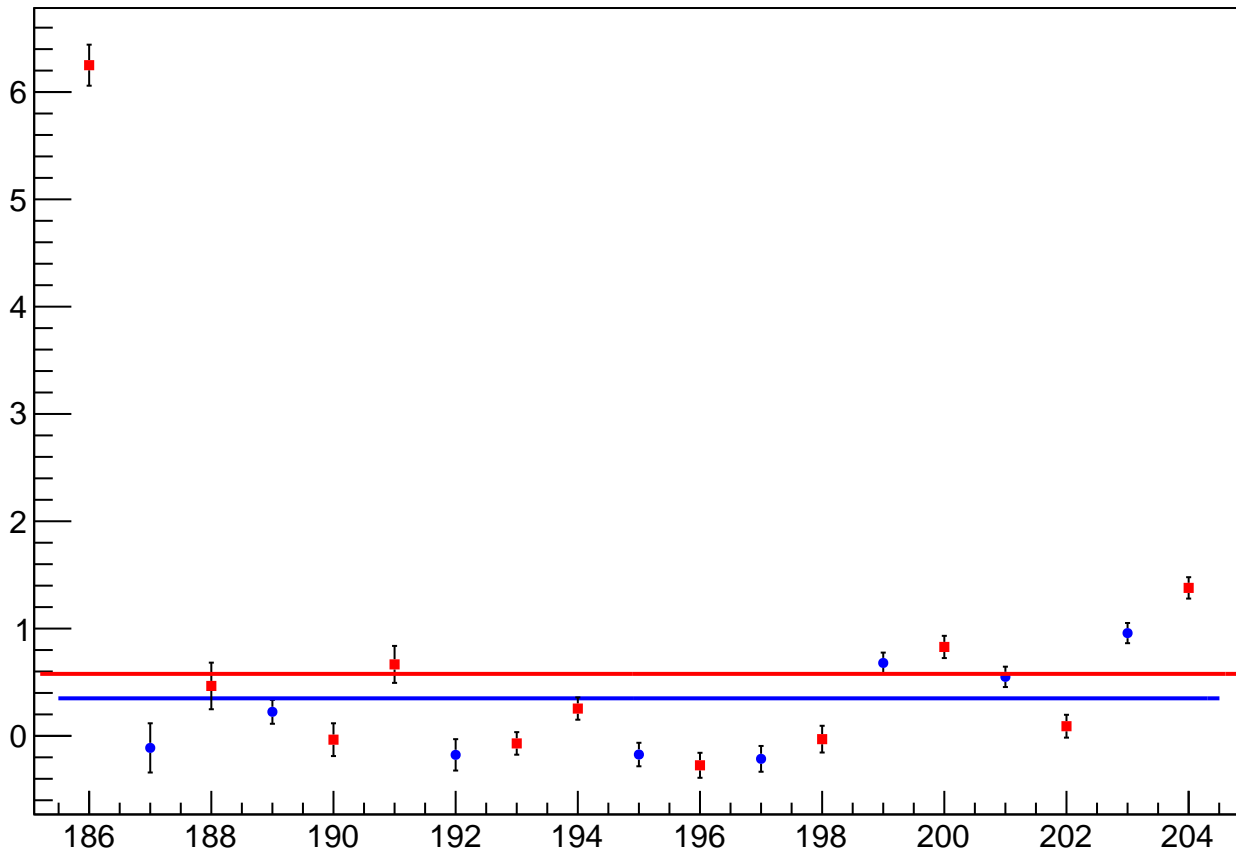
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-7.917 \pm 0.768$   $\chi^2/\text{NDF}: 263.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 0.350+/-0.040  $\chi^2/\text{NDF}$ : 121.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.578+/-0.037  $\chi^2/\text{NDF}$ : 1113.7/10

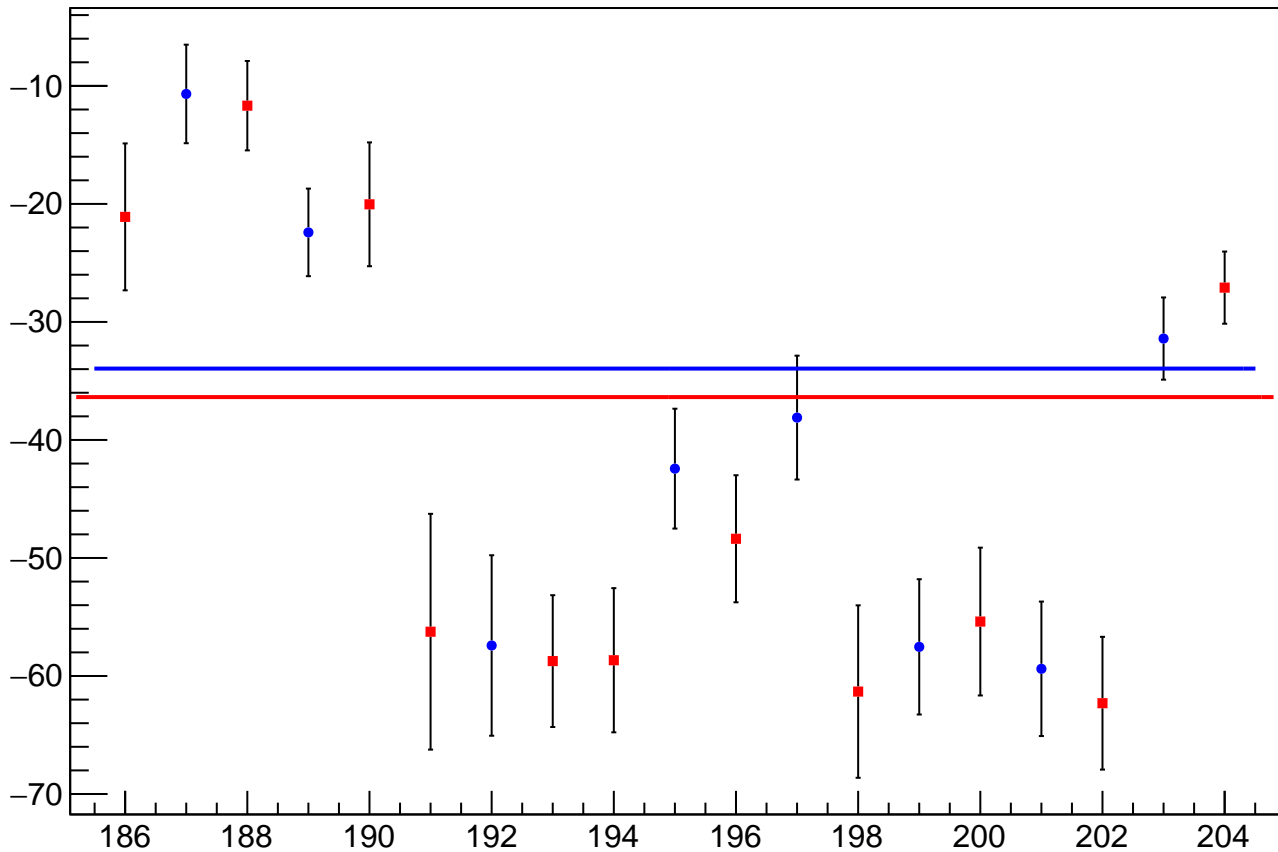
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.472+/-0.027  $\chi^2/\text{NDF}$ : 1252.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_26\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-33.952 \pm 1.653$   $\chi^2/\text{NDF}: 91.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-36.367 \pm 1.547$   $\chi^2/\text{NDF}: 147.9/10$

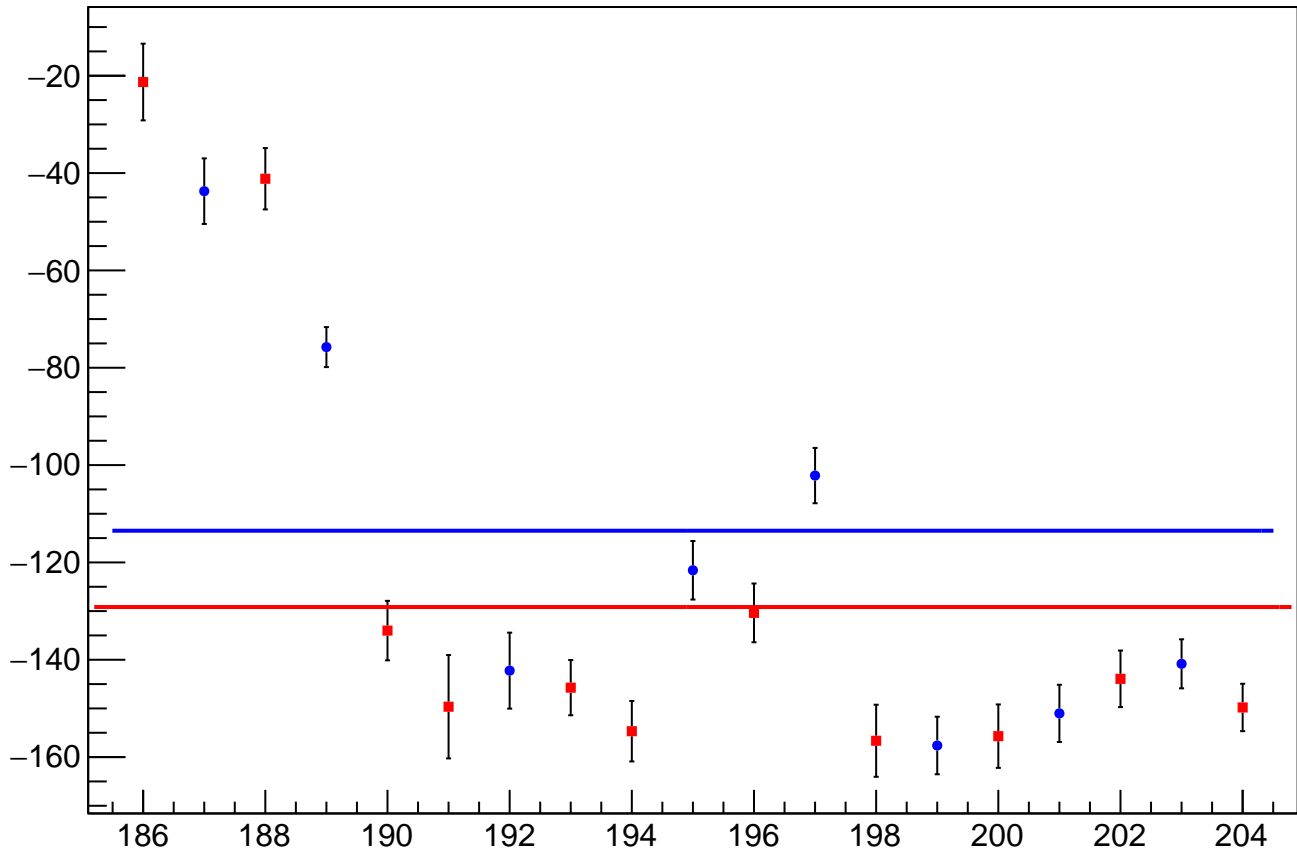
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-35.240 \pm 1.129$   $\chi^2/\text{NDF}: 240.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-113.487 \pm 1.987$   $\chi^2/\text{NDF}$ : 336.9/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-129.164 \pm 1.907$   $\chi^2/\text{NDF}$ : 466.9/10

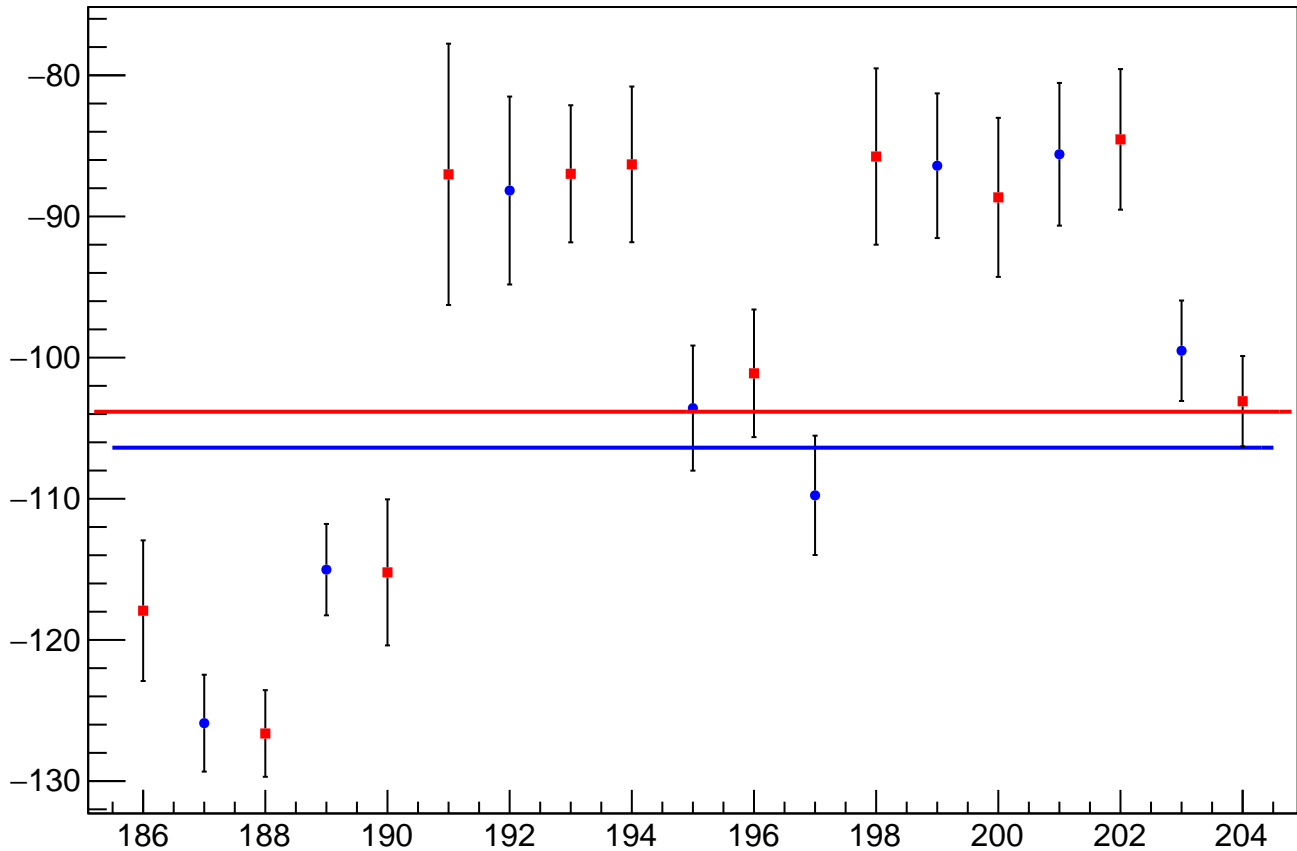
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-121.647 \pm 1.376$   $\chi^2/\text{NDF}$ : 836.2/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-106.380 \pm 1.465$   $\chi^2/\text{NDF}: 83.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-103.833 \pm 1.394$   $\chi^2/\text{NDF}: 124.5/10$

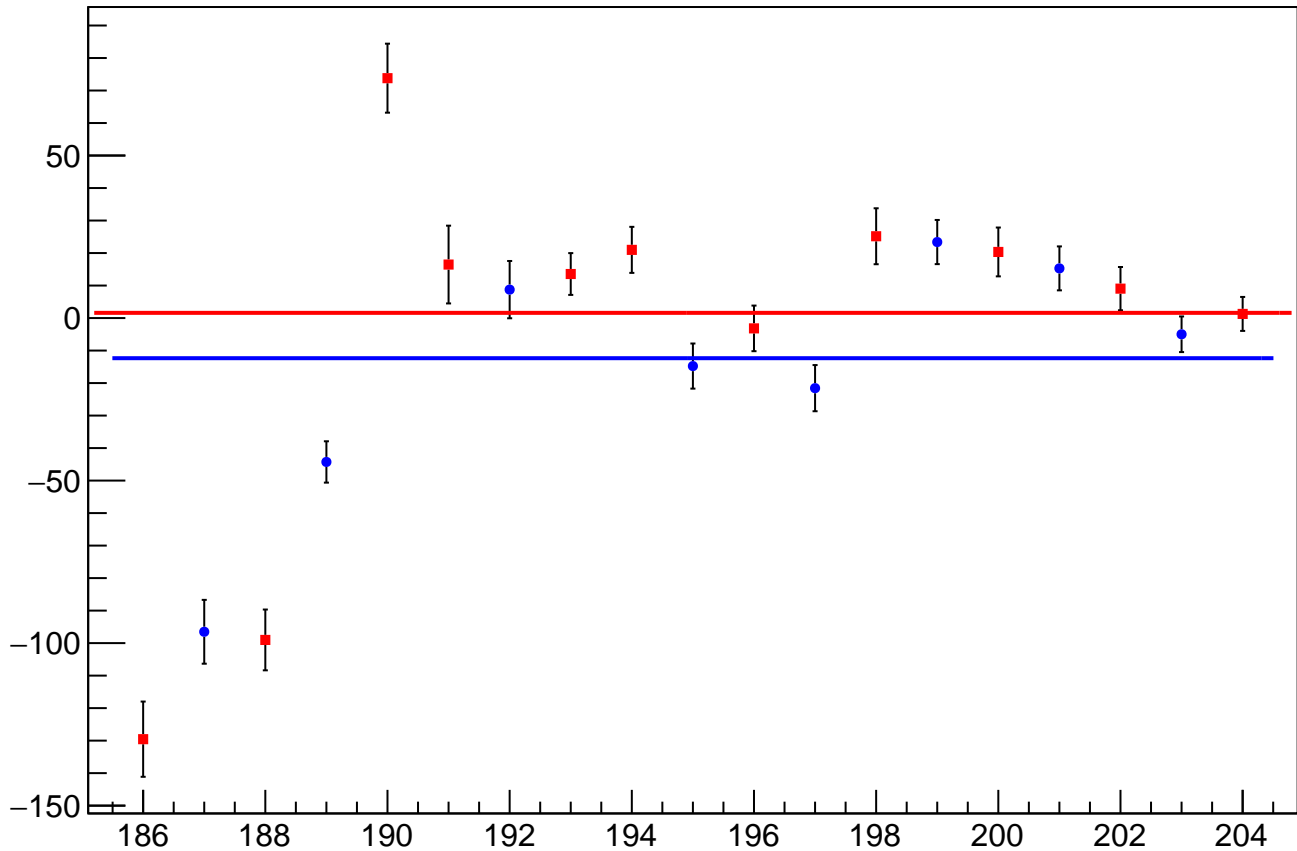
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-105.043 \pm 1.010$   $\chi^2/\text{NDF}: 209.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-12.347 \pm 2.459$   $\chi^2/\text{NDF}: 152.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $1.602 \pm 2.296$   $\chi^2/\text{NDF}: 318.4/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

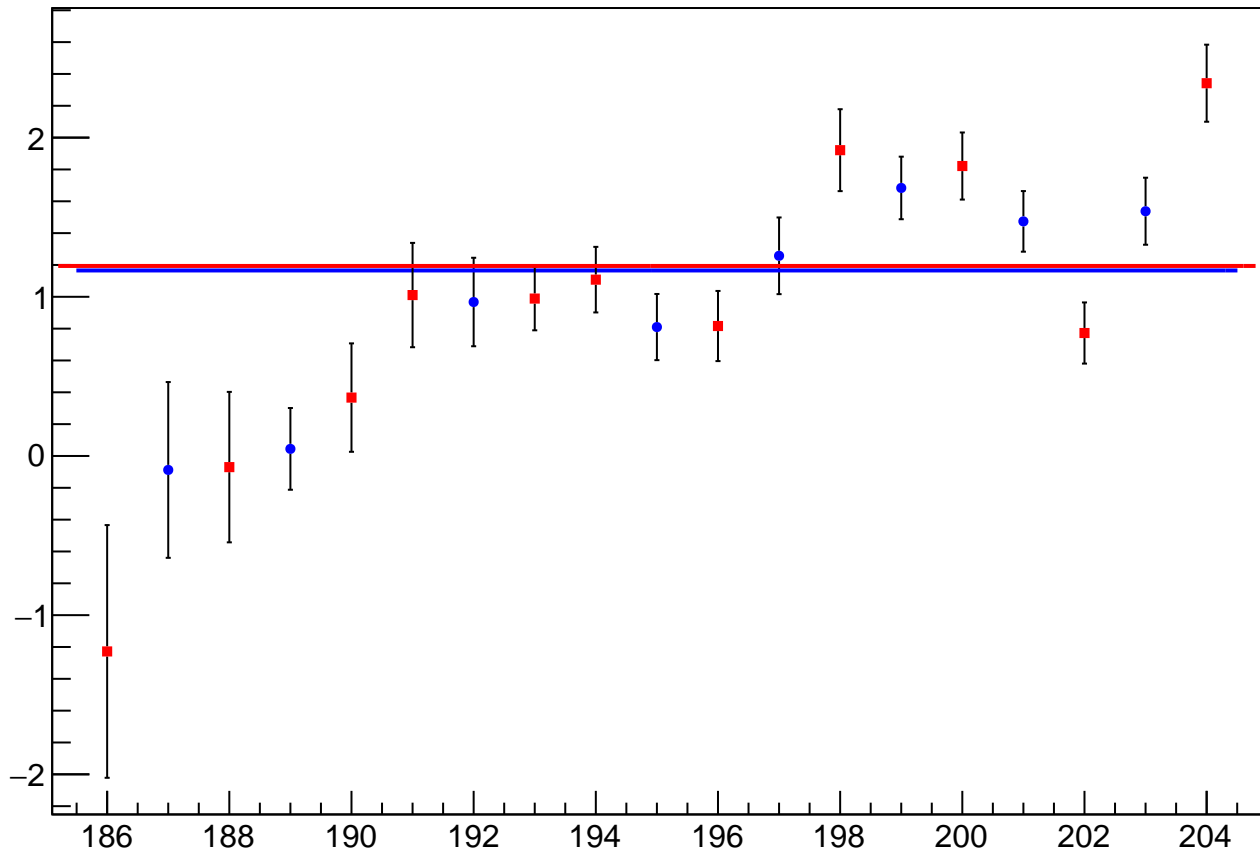
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-4.896 \pm 1.678$   $\chi^2/\text{NDF}: 487.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 1.165 $\pm$ 0.082  $\chi^2$ /NDF: 40.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.194 $\pm$ 0.076  $\chi^2$ /NDF: 71.0/10

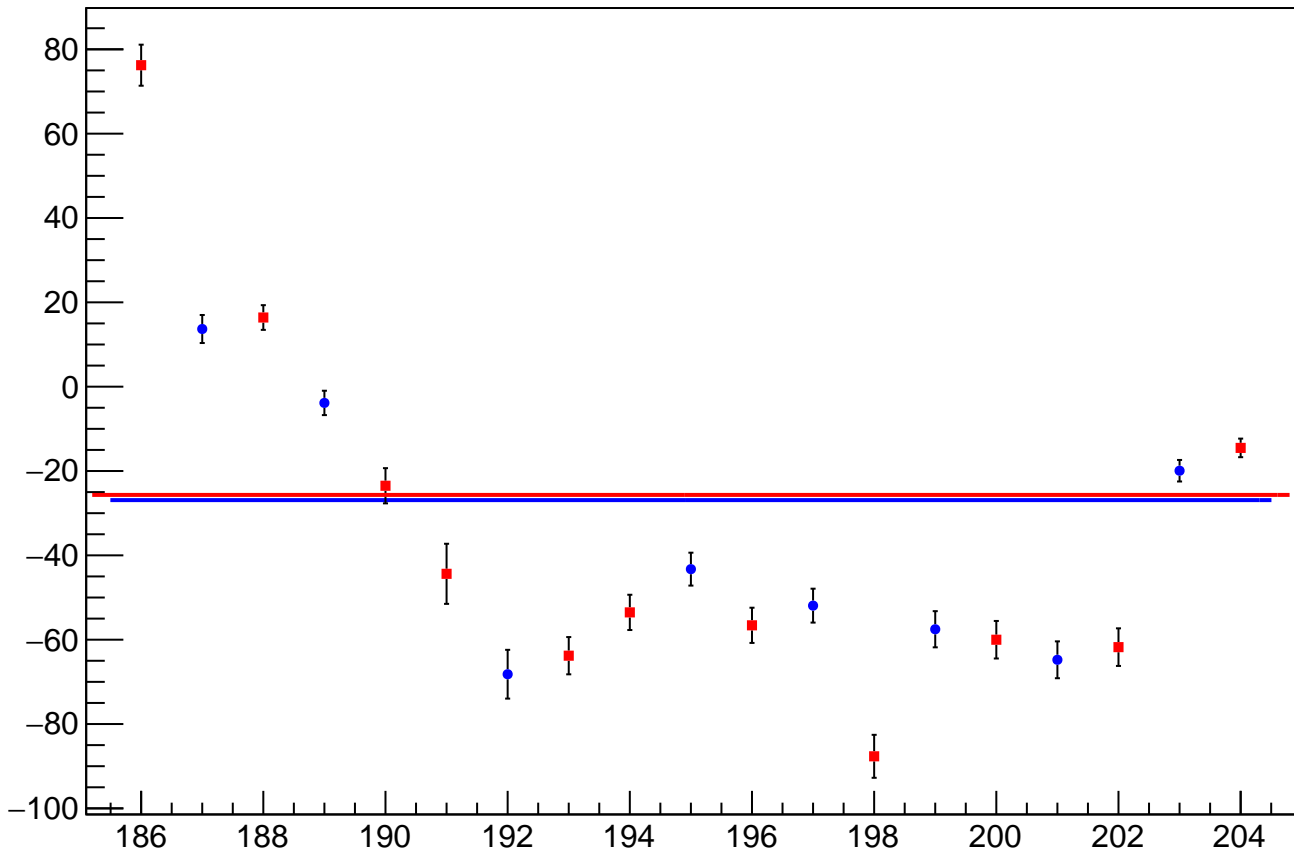
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.181 $\pm$ 0.056  $\chi^2$ /NDF: 111.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_48\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-26.901 \pm 1.262$   $\chi^2/\text{NDF}: 453.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-25.667 \pm 1.157$   $\chi^2/\text{NDF}: 1124.2/10$

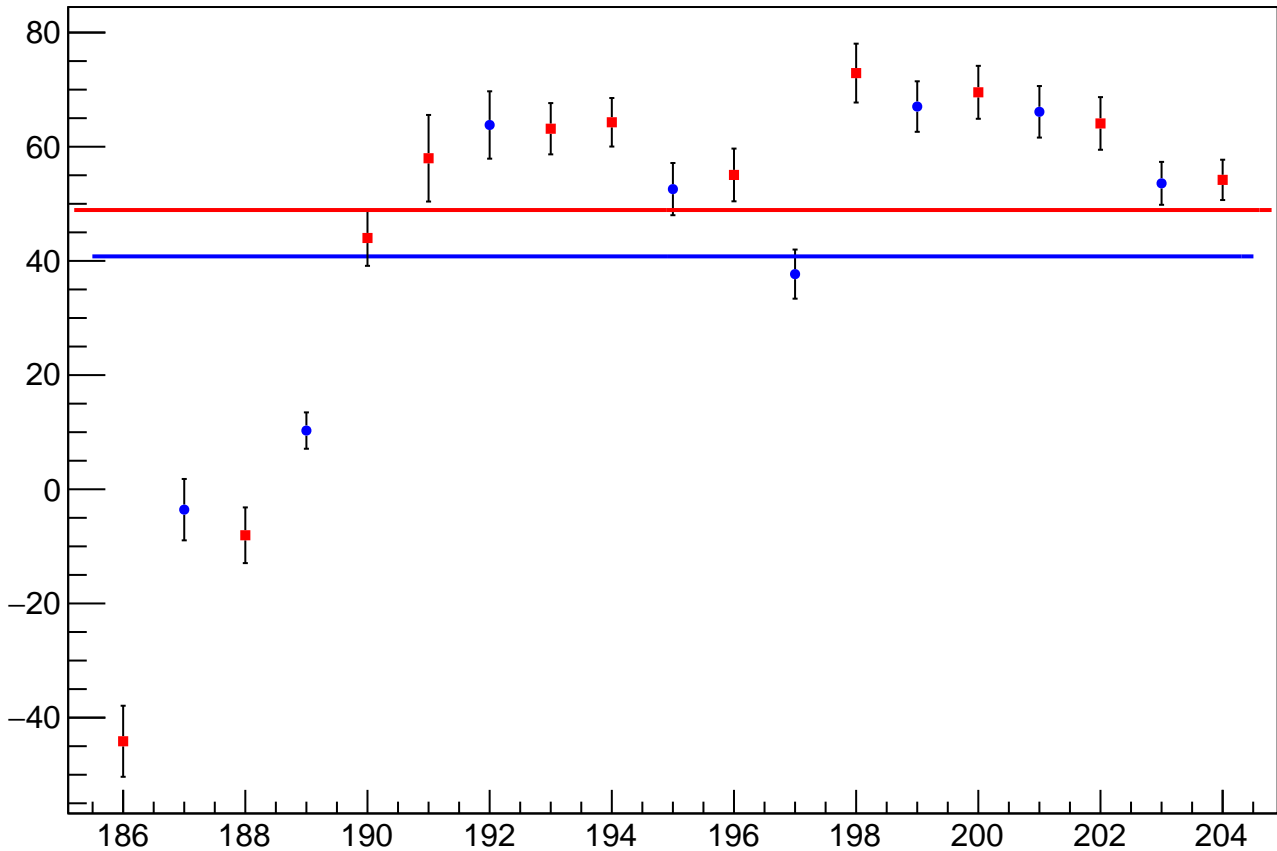
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-26.231 \pm 0.853$   $\chi^2/\text{NDF}: 1578.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 40.793+/-1.517  $\chi^2$ /NDF: 260.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 48.912+/-1.428  $\chi^2$ /NDF: 441.8/10

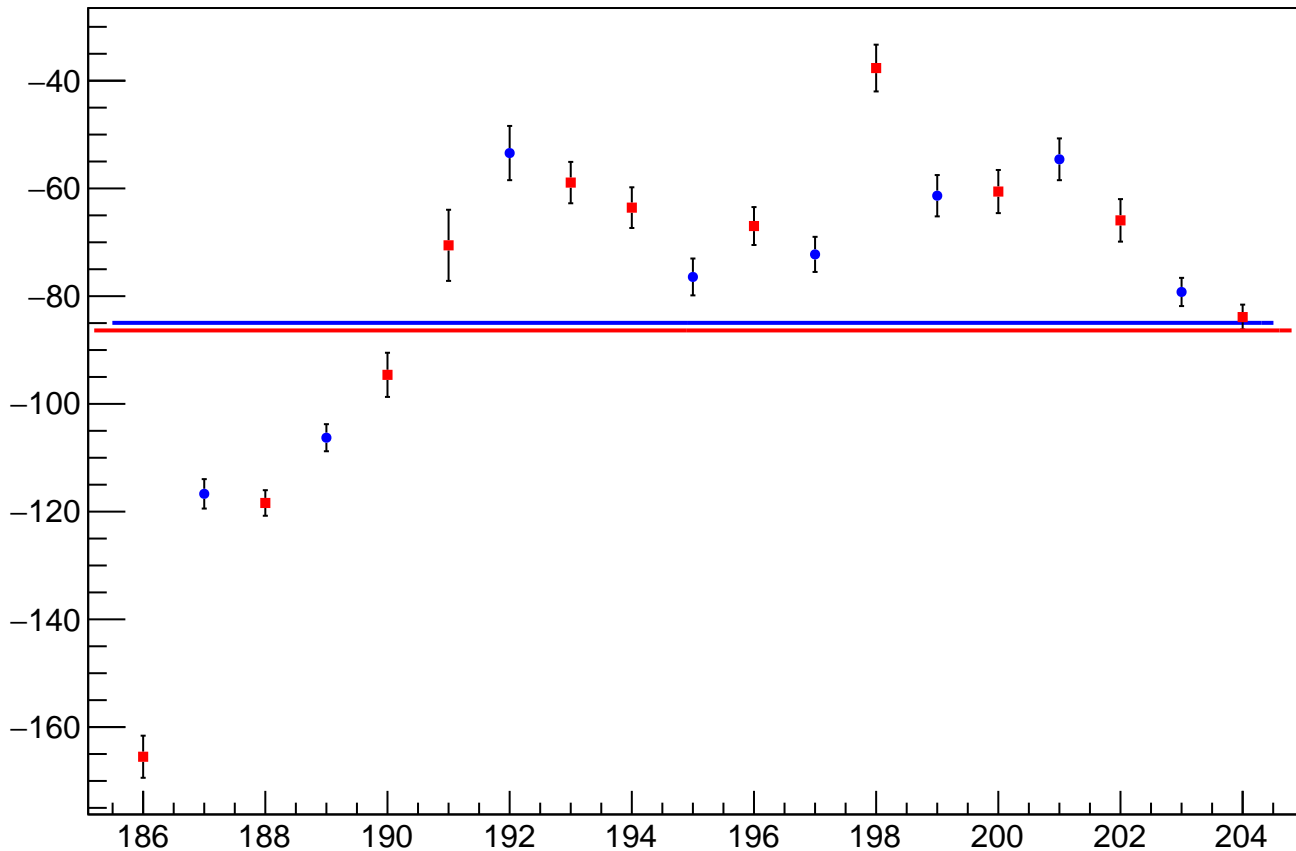
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 45.096+/-1.040  $\chi^2$ /NDF: 717.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-84.954 \pm 1.124$   $\chi^2/\text{NDF}: 371.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-86.363 \pm 1.048$   $\chi^2/\text{NDF}: 914.8/10$

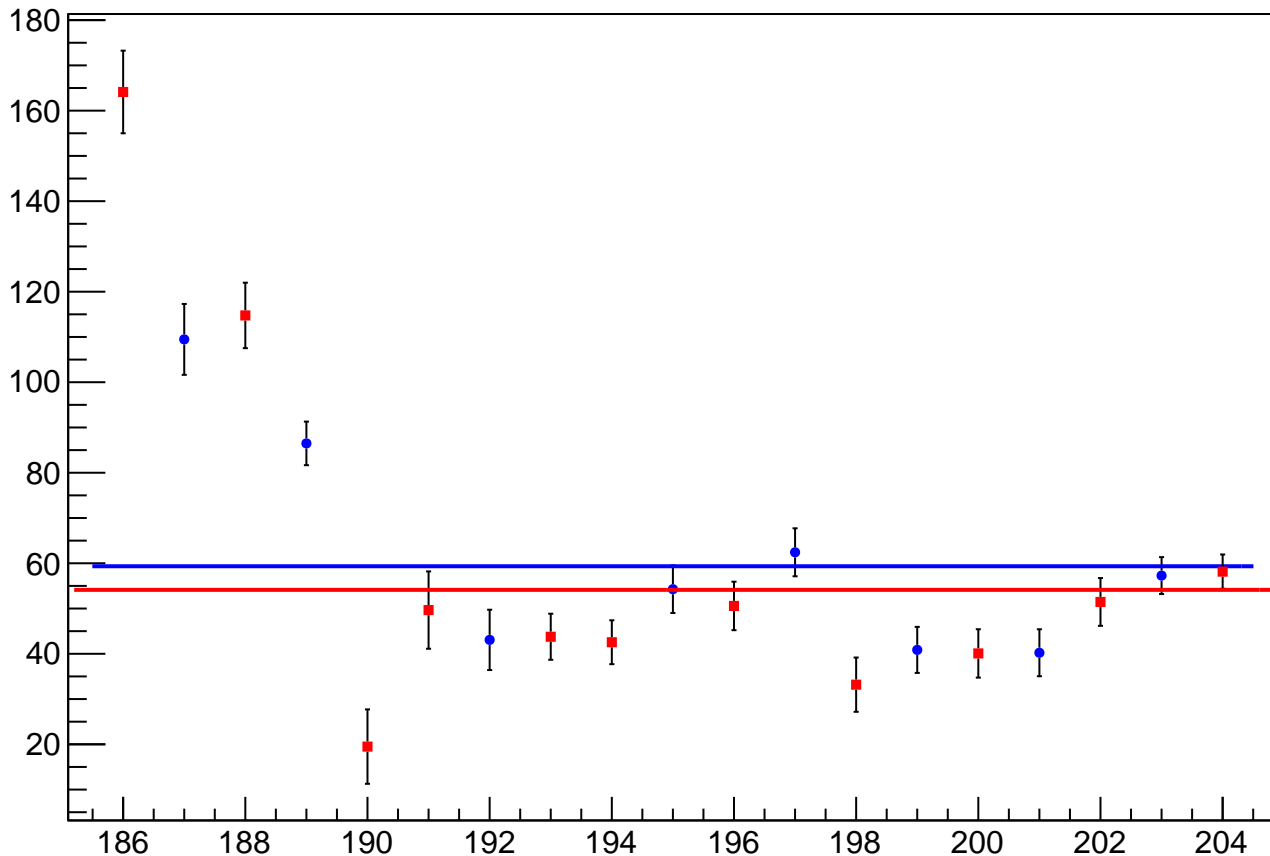
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-85.708 \pm 0.767$   $\chi^2/\text{NDF}: 1287.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 59.340+/-1.858  $\chi^2$ /NDF: 107.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 54.126+/-1.704  $\chi^2$ /NDF: 264.4/10

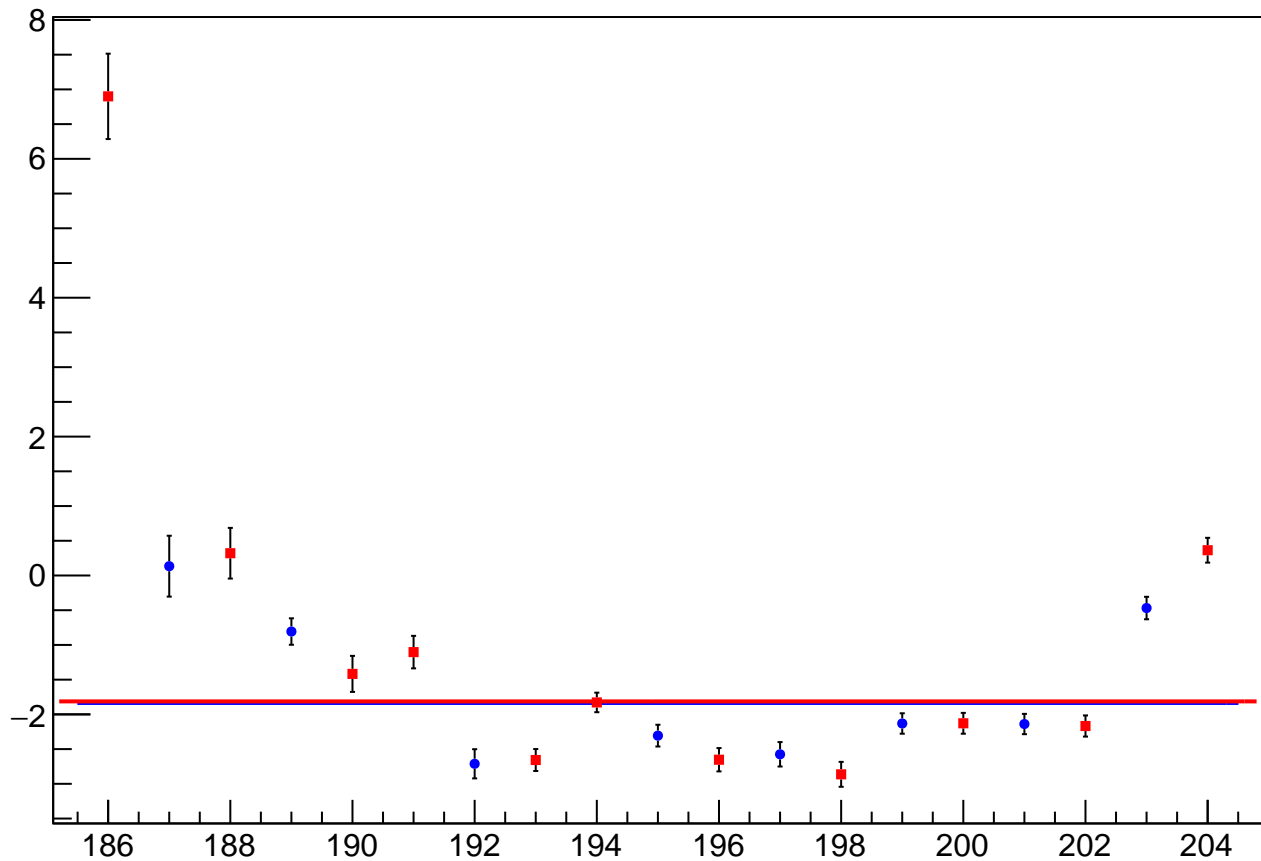
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 56.508+/-1.256  $\chi^2$ /NDF: 375.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.836 \pm 0.062$   $\chi^2/\text{NDF}: 173.1/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.813 \pm 0.056$   $\chi^2/\text{NDF}: 492.7/10$

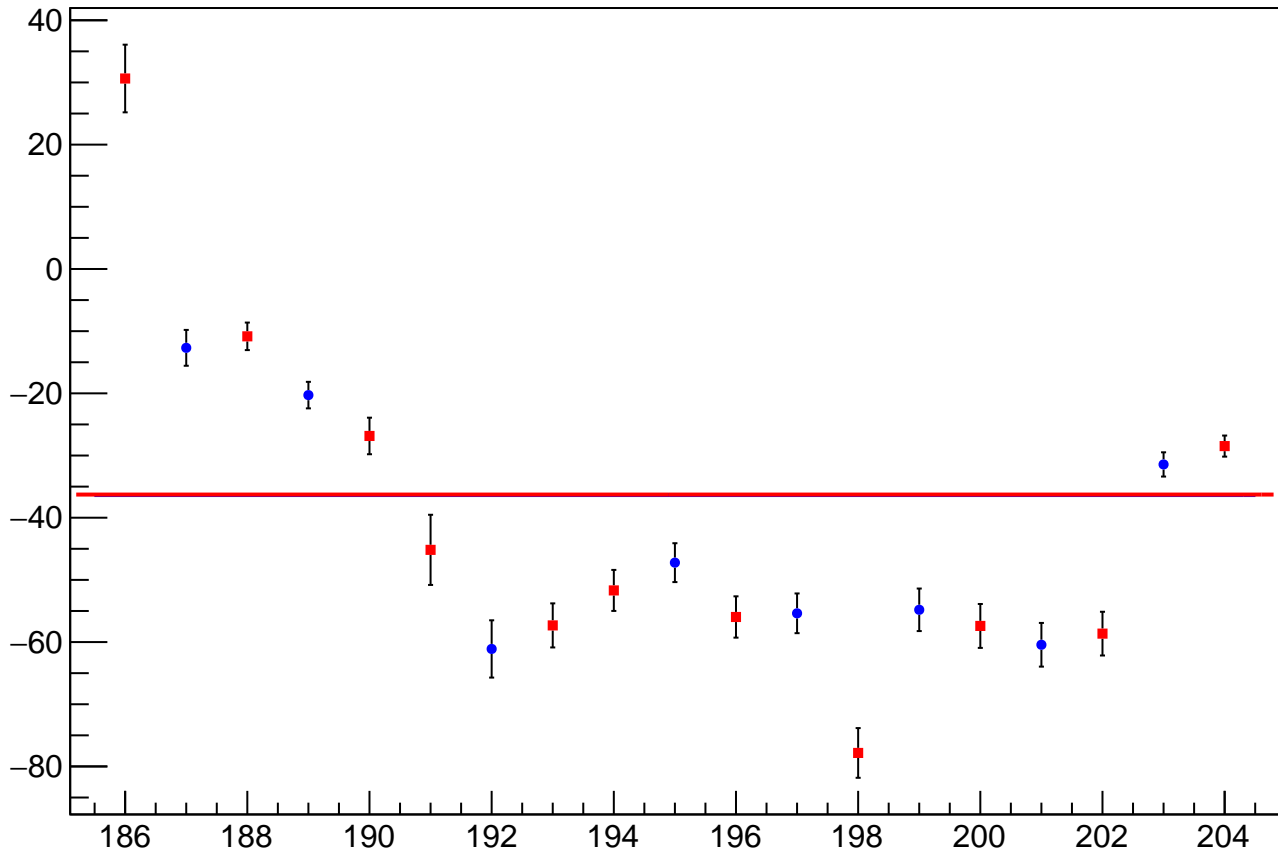
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.823 \pm 0.042$   $\chi^2/\text{NDF}: 665.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_48\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-36.355 \pm 0.992$   $\chi^2/\text{NDF}: 283.1/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-36.278 \pm 0.906$   $\chi^2/\text{NDF}: 593.9/10$

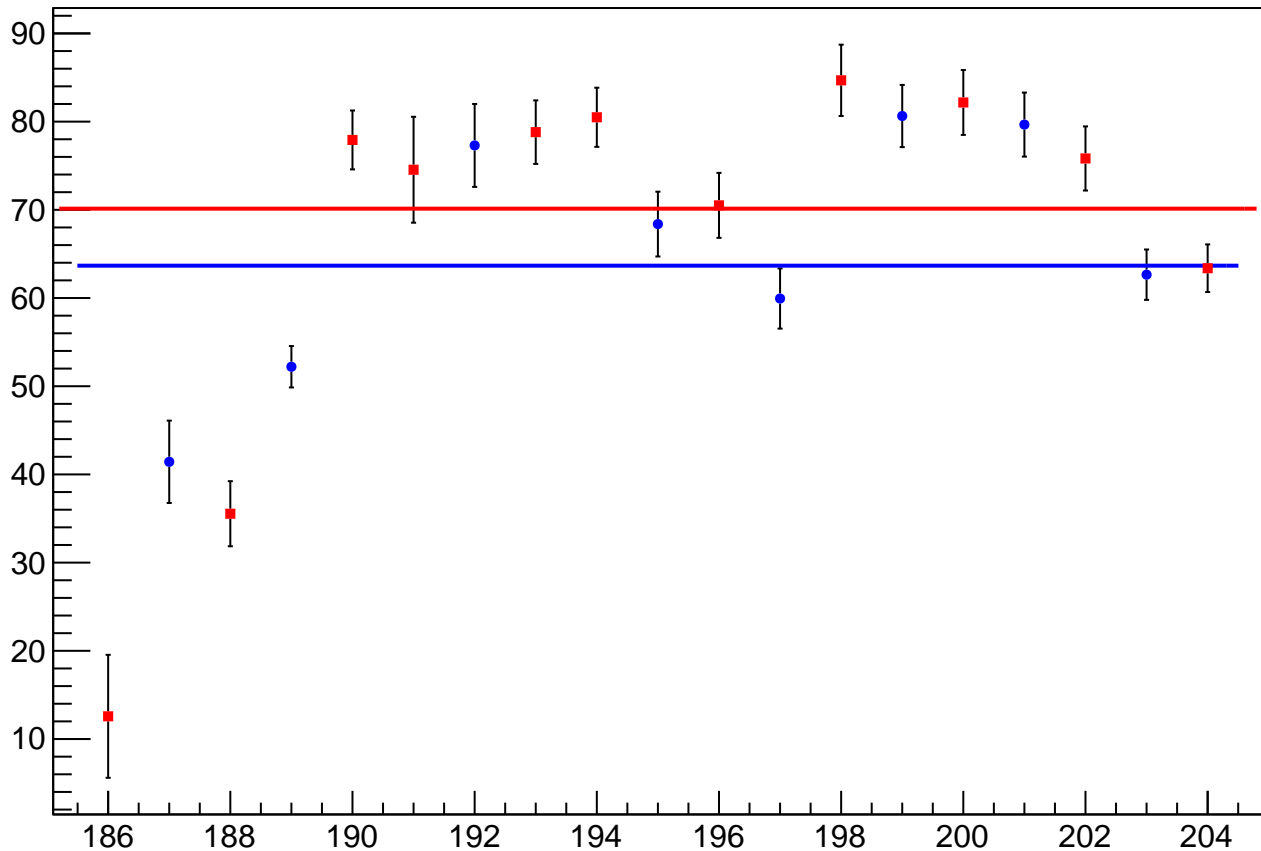
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-36.313 \pm 0.669$   $\chi^2/\text{NDF}: 877.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $63.667 \pm 1.185$   $\chi^2/\text{NDF}: 100.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $70.132 \pm 1.119$   $\chi^2/\text{NDF}: 209.8/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

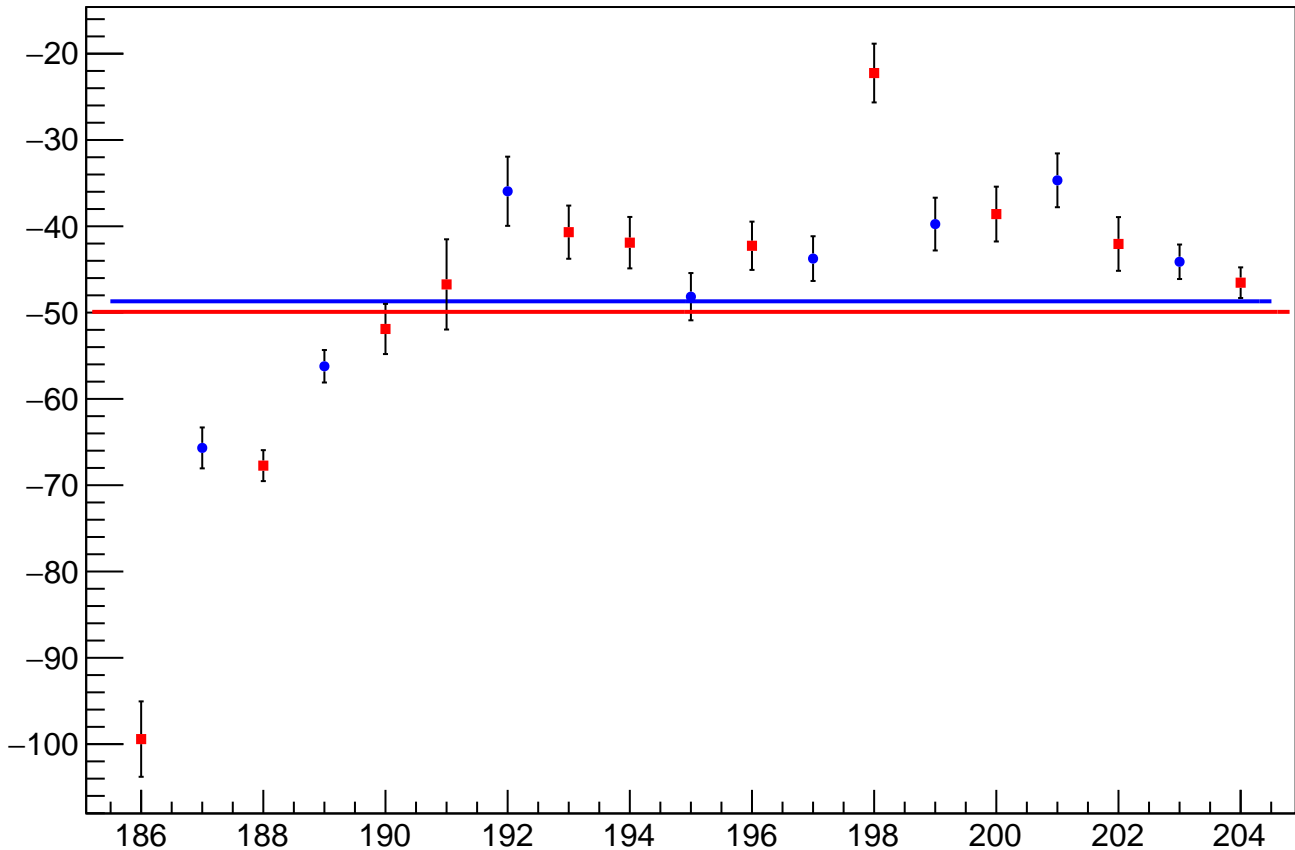
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $67.086 \pm 0.814$   $\chi^2/\text{NDF}: 326.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-48.693 \pm 0.889$   $\chi^2/\text{NDF}: 115.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-49.915 \pm 0.825$   $\chi^2/\text{NDF}: 340.4/10$

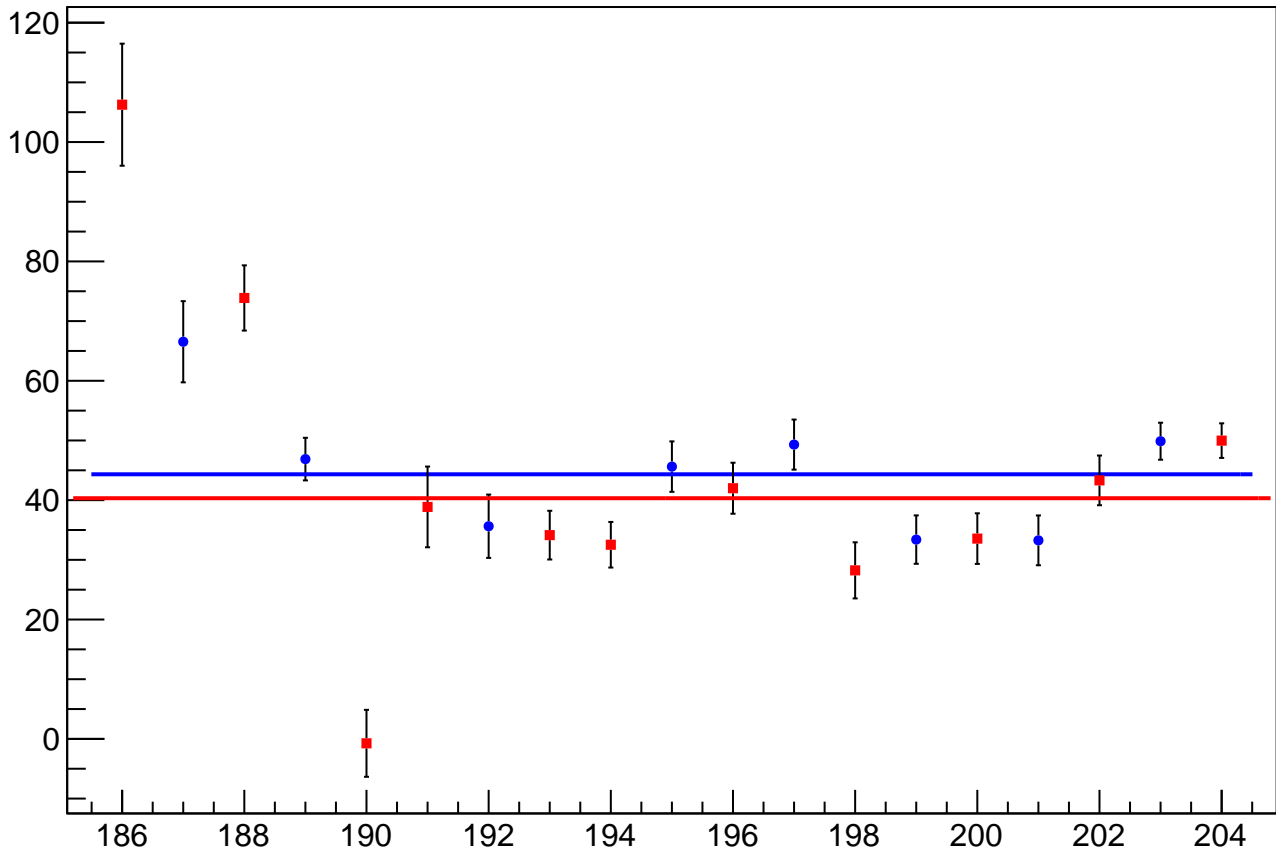
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-49.349 \pm 0.605$   $\chi^2/\text{NDF}: 456.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 44.334+/-1.457  $\chi^2$ /NDF: 32.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 40.325+/-1.339  $\chi^2$ /NDF: 160.3/10

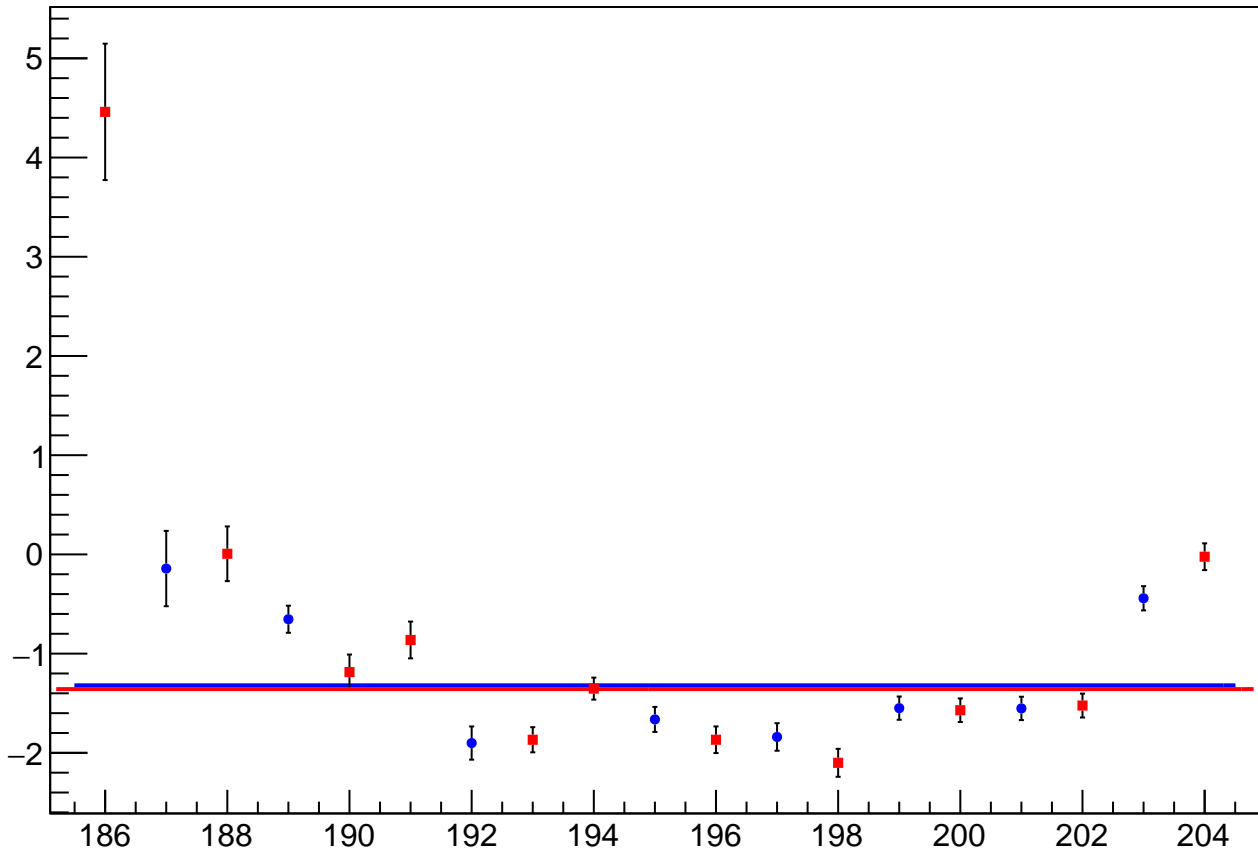
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 42.160+/-0.986  $\chi^2$ /NDF: 197.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.320 \pm 0.049$   $\chi^2/\text{NDF}: 126.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.358 \pm 0.044$   $\chi^2/\text{NDF}: 265.9/10$

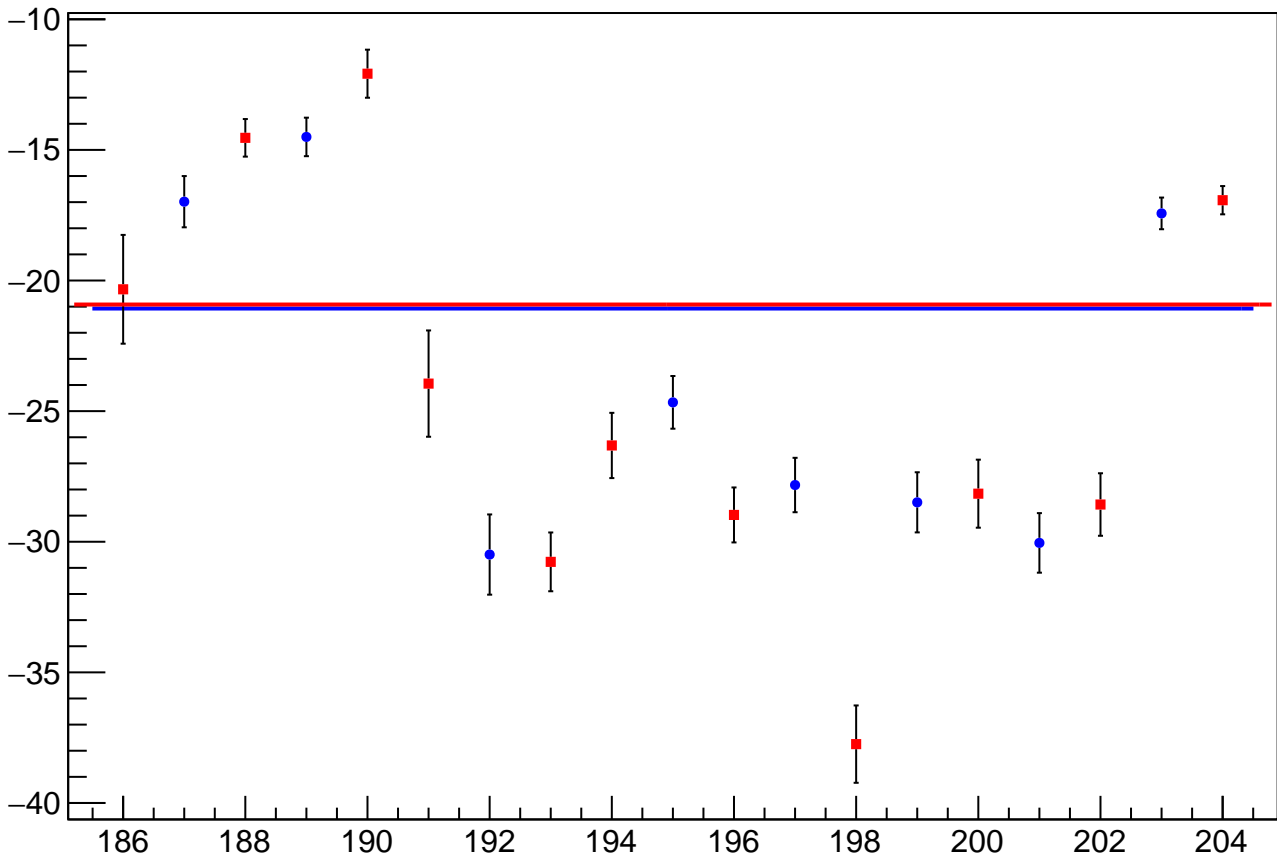
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.341 \pm 0.033$   $\chi^2/\text{NDF}: 392.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-21.072 \pm 0.325$   $\chi^2/\text{NDF}: 328.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-20.919 \pm 0.300$   $\chi^2/\text{NDF}: 582.6/10$

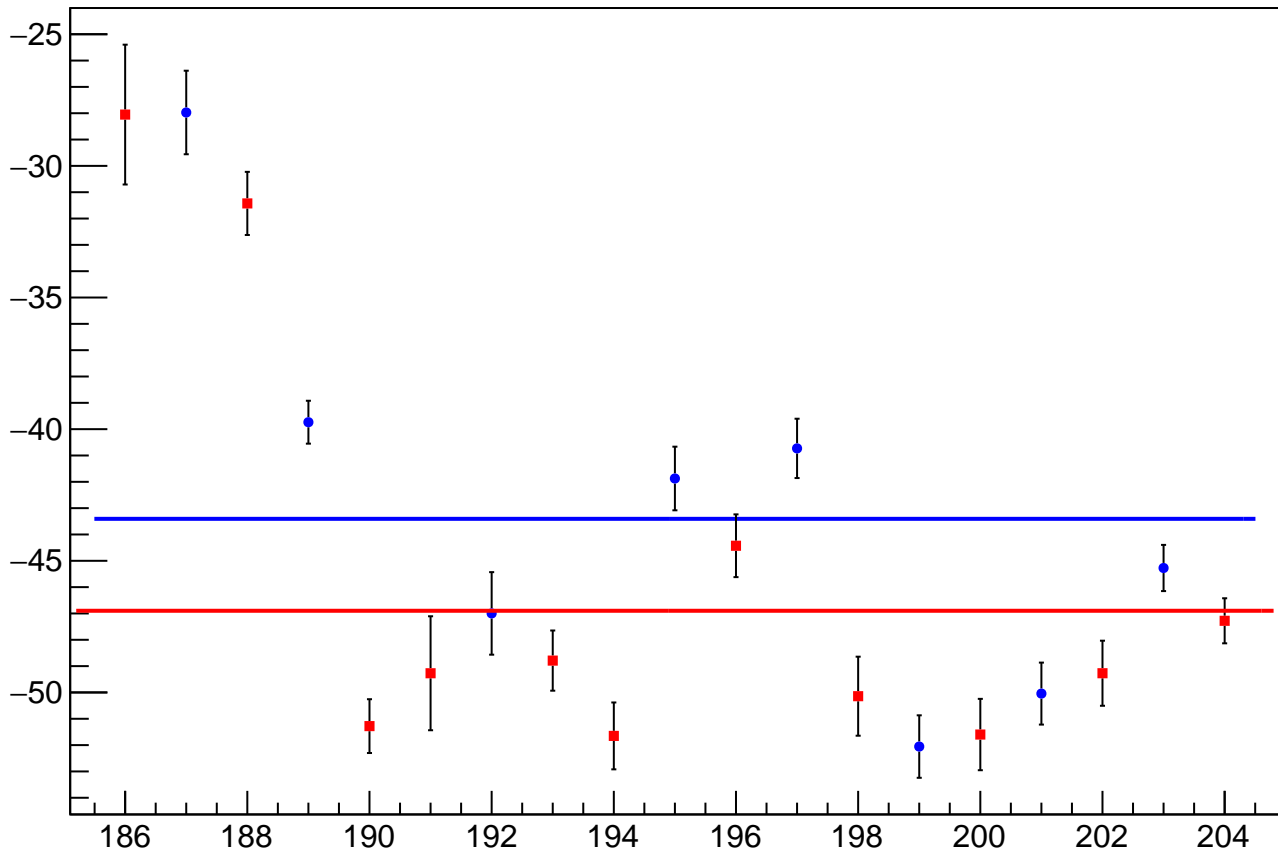
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-20.990 \pm 0.221$   $\chi^2/\text{NDF}: 911.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-43.406 \pm 0.392$   $\chi^2/\text{NDF}: 216.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-46.898 \pm 0.375$   $\chi^2/\text{NDF}: 278.1/10$

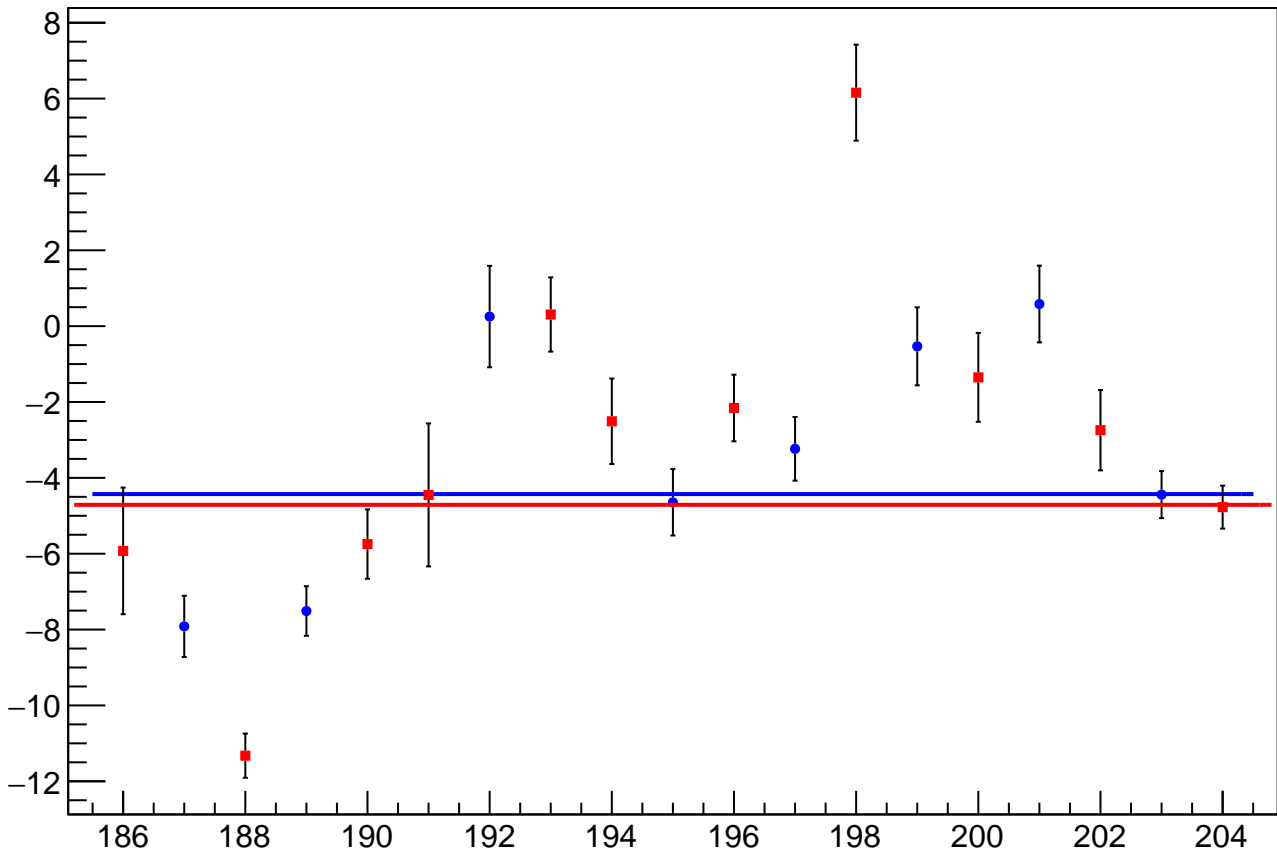
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-45.228 \pm 0.271$   $\chi^2/\text{NDF}: 536.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-4.428 \pm 0.293$   $\chi^2/\text{NDF}$ : 94.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4.710 \pm 0.275$   $\chi^2/\text{NDF}$ : 254.4/10

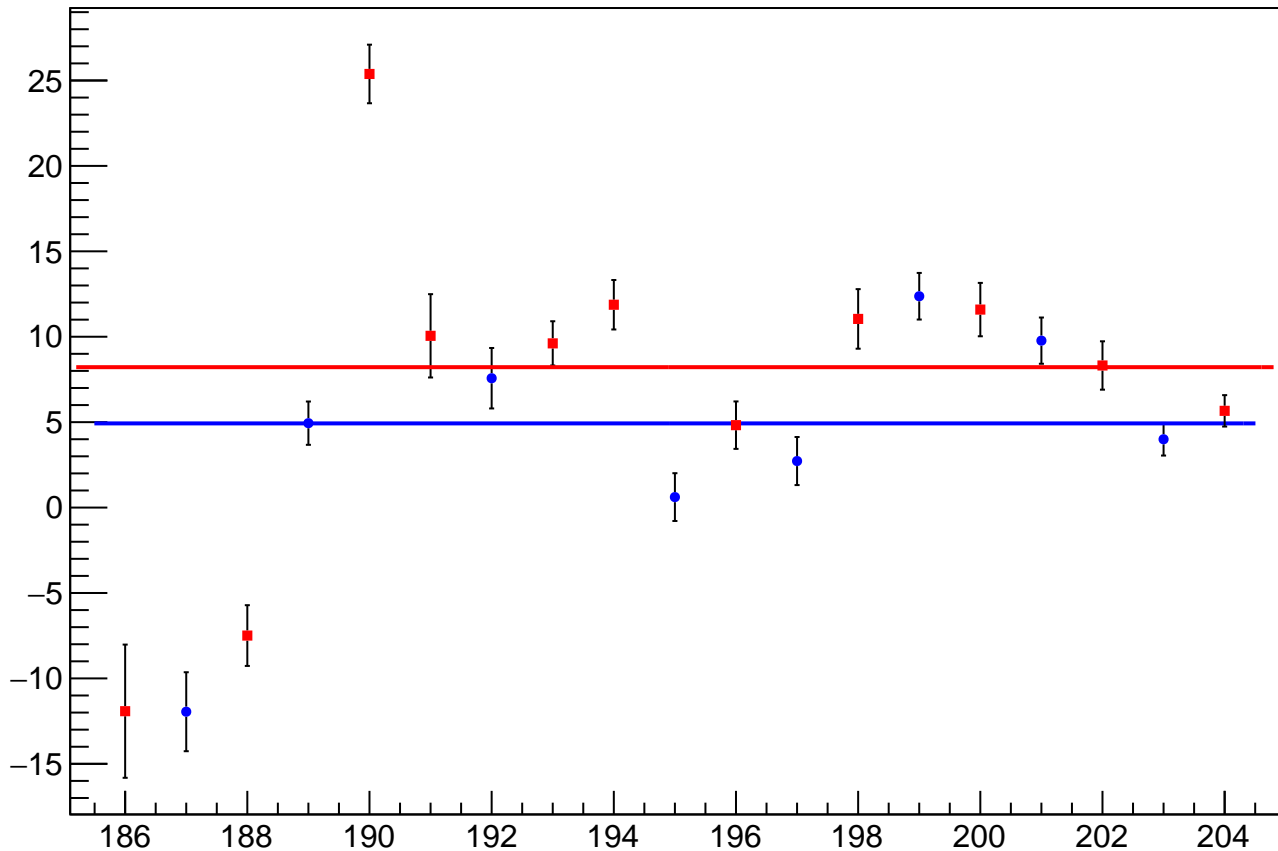
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-4.578 \pm 0.200$   $\chi^2/\text{NDF}$ : 349.1/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 4.927 $\pm$ 0.481  $\chi^2$ /NDF: 111.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.218 $\pm$ 0.452  $\chi^2$ /NDF: 234.0/10

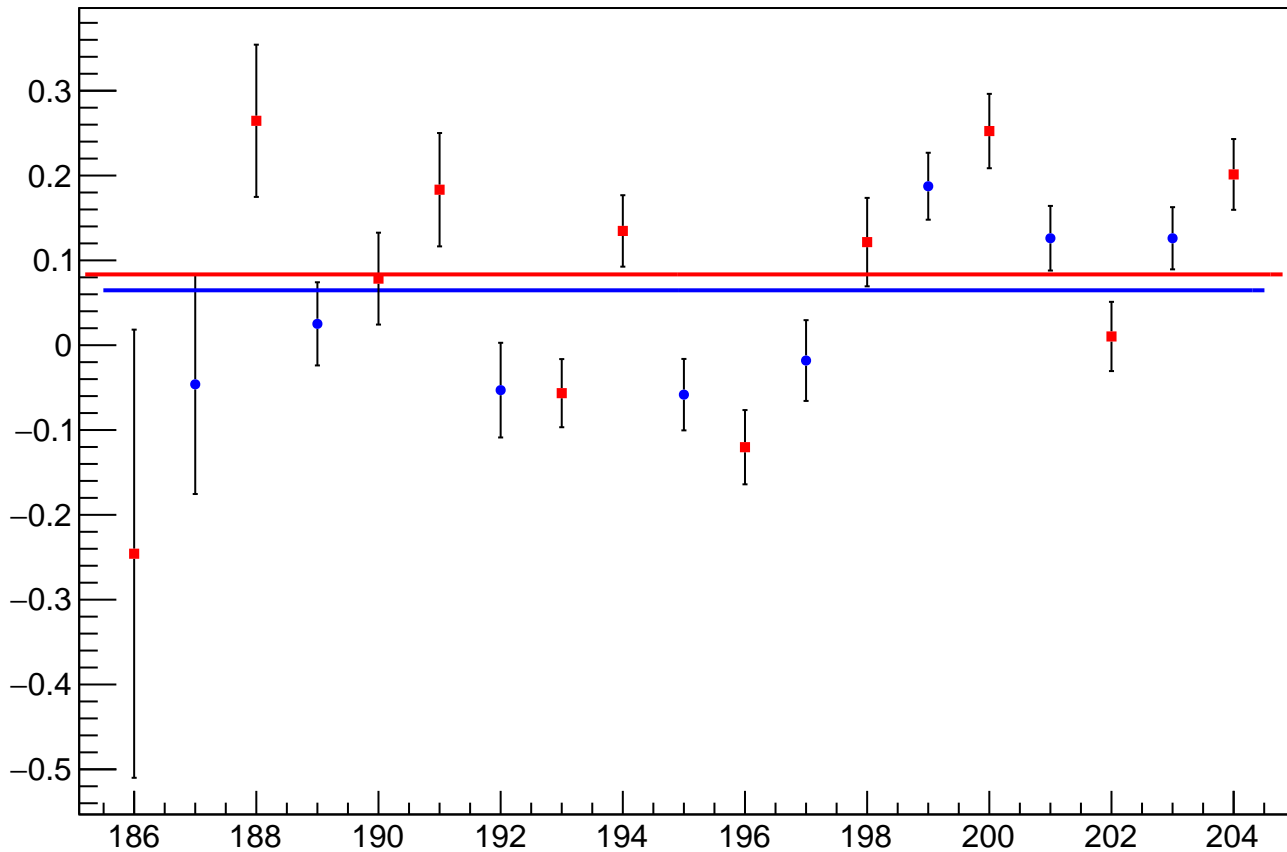
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.676 $\pm$ 0.329  $\chi^2$ /NDF: 370.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.065 $\pm$ 0.016  $\chi^2$ /NDF: 32.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.083 $\pm$ 0.015  $\chi^2$ /NDF: 69.7/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

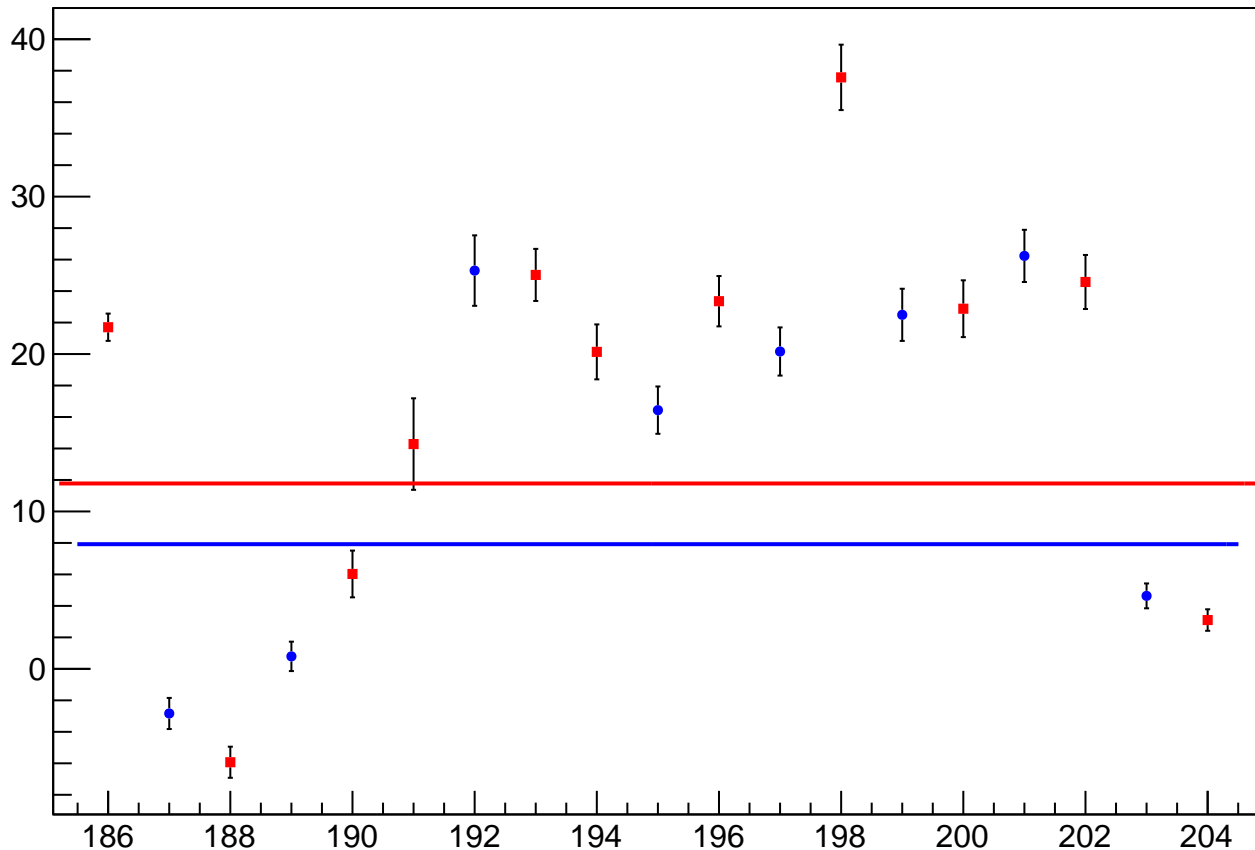
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.075 $\pm$ 0.011  $\chi^2$ /NDF: 102.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



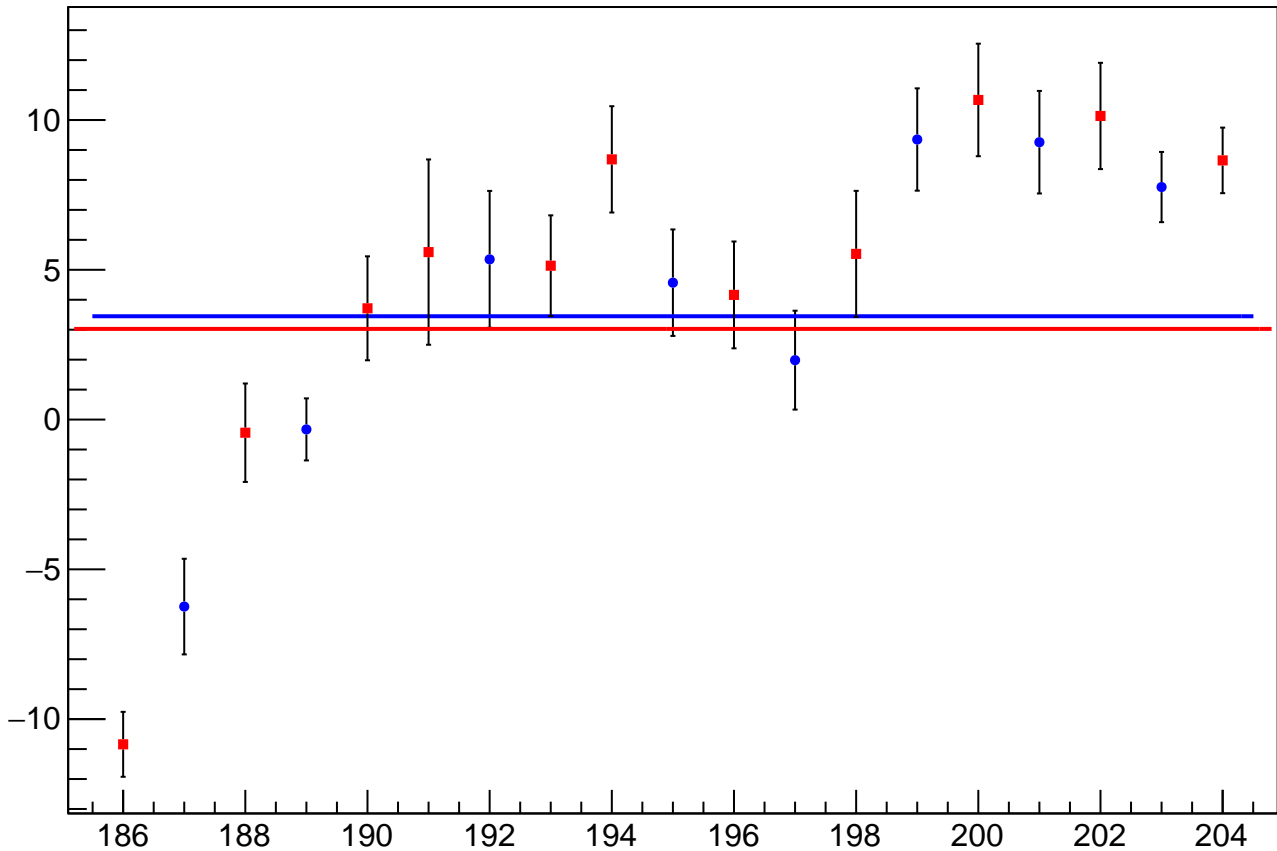
# reg\_asym\_sam\_15\_37\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 7.921+/-0.424  $\chi^2$ /NDF: 549.6/7  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 11.777+/-0.377  $\chi^2$ /NDF: 1016.8/10  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
All: 10.073+/-0.282  $\chi^2$ /NDF: 1612.6/18  
- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 3.449+/-0.526  $\chi^2/\text{NDF}$ : 89.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.026+/-0.482  $\chi^2/\text{NDF}$ : 241.6/10

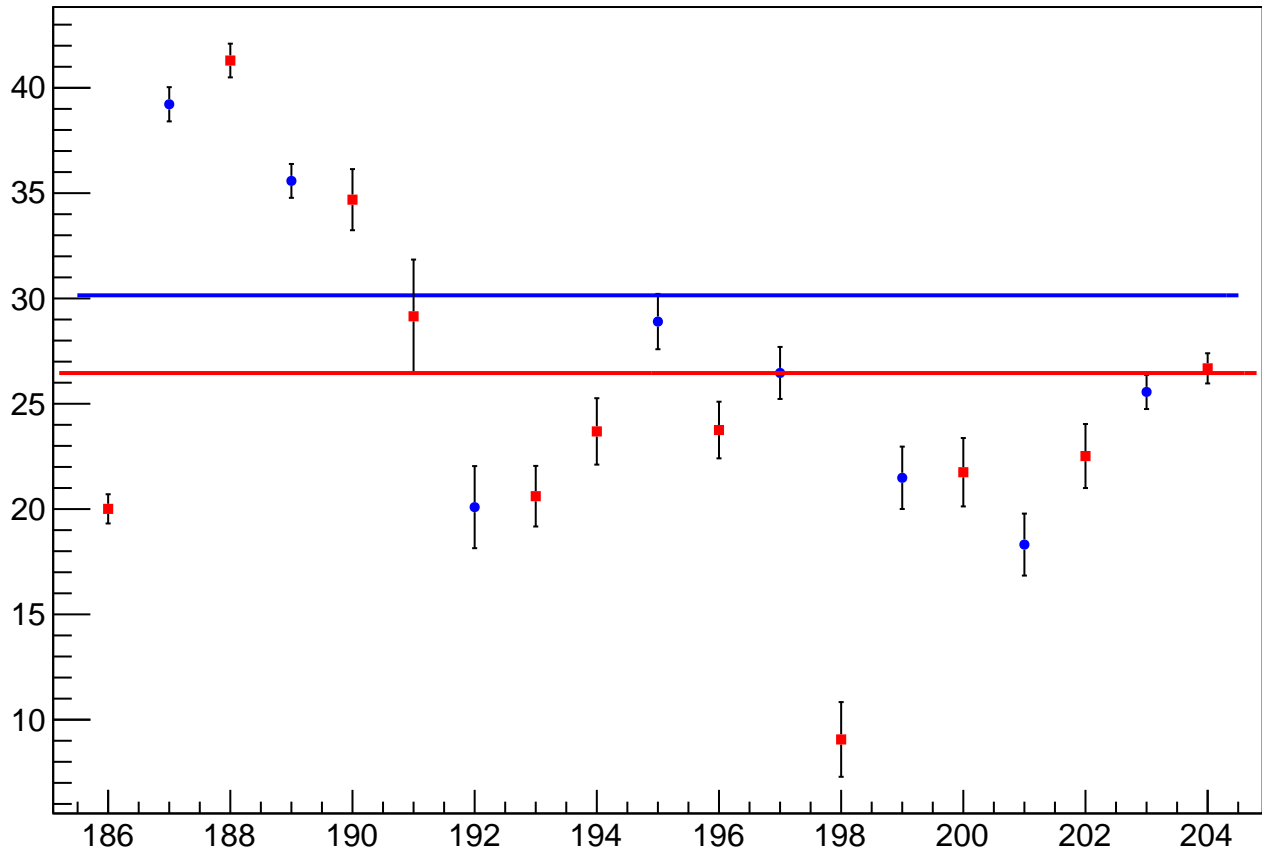
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.219+/-0.355  $\chi^2/\text{NDF}$ : 330.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 30.149+/-0.378  $\chi^2$ /NDF: 337.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 26.459+/-0.338  $\chi^2$ /NDF: 598.2/10

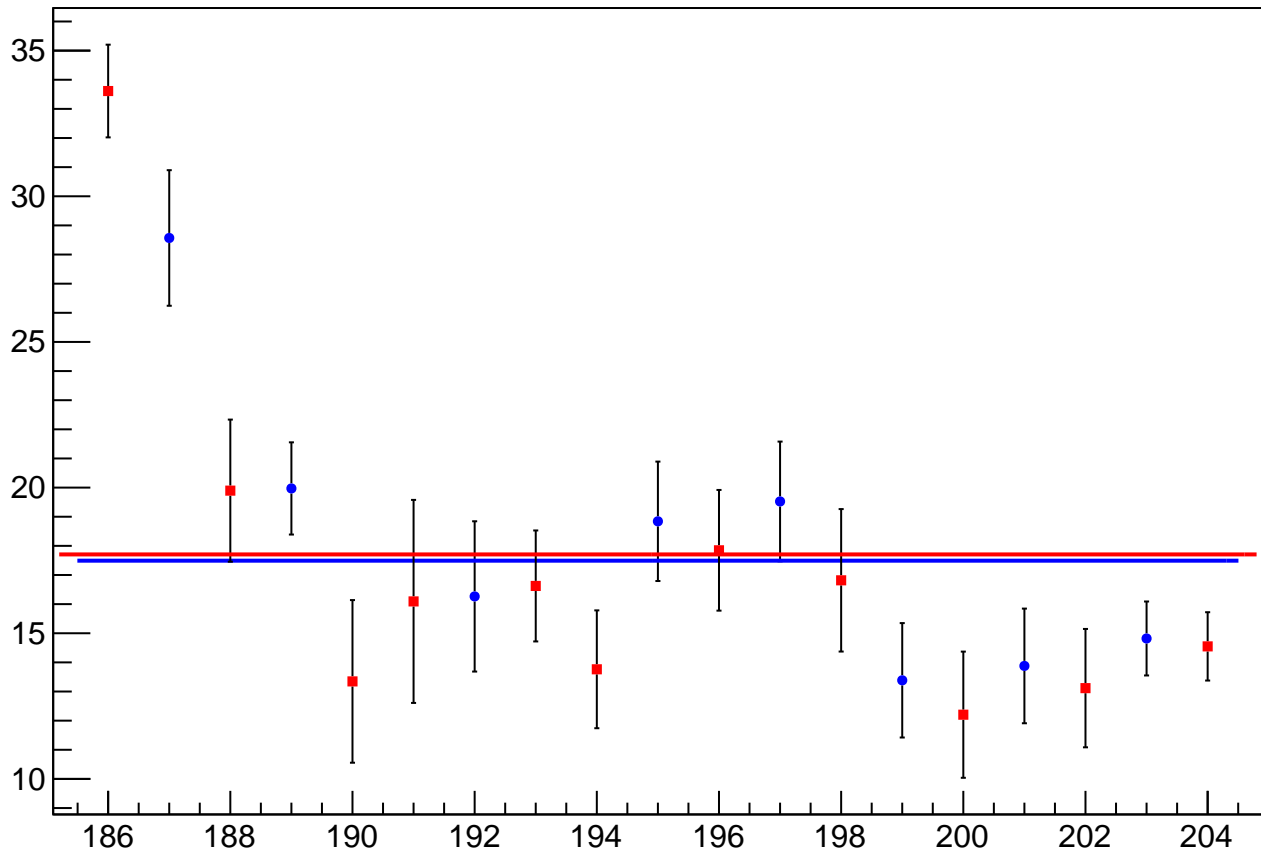
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 28.096+/-0.252  $\chi^2$ /NDF: 988.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 17.491 $\pm$ 0.653  $\chi^2$ /NDF: 38.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.706 $\pm$ 0.590  $\chi^2$ /NDF: 126.4/10

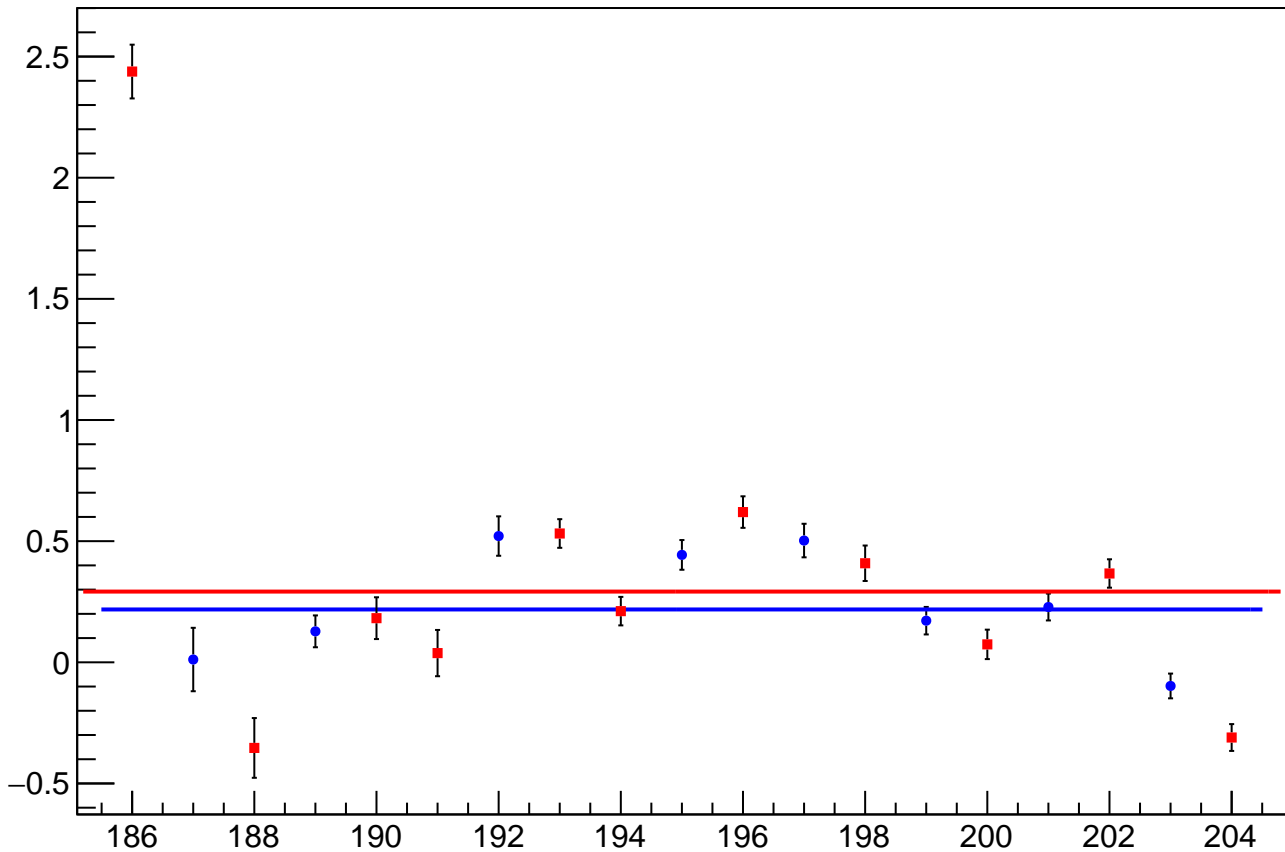
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.610 $\pm$ 0.438  $\chi^2$ /NDF: 165.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.218 $\pm$ 0.023  $\chi^2$ /NDF: 87.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.292 $\pm$ 0.021  $\chi^2$ /NDF: 589.4/10

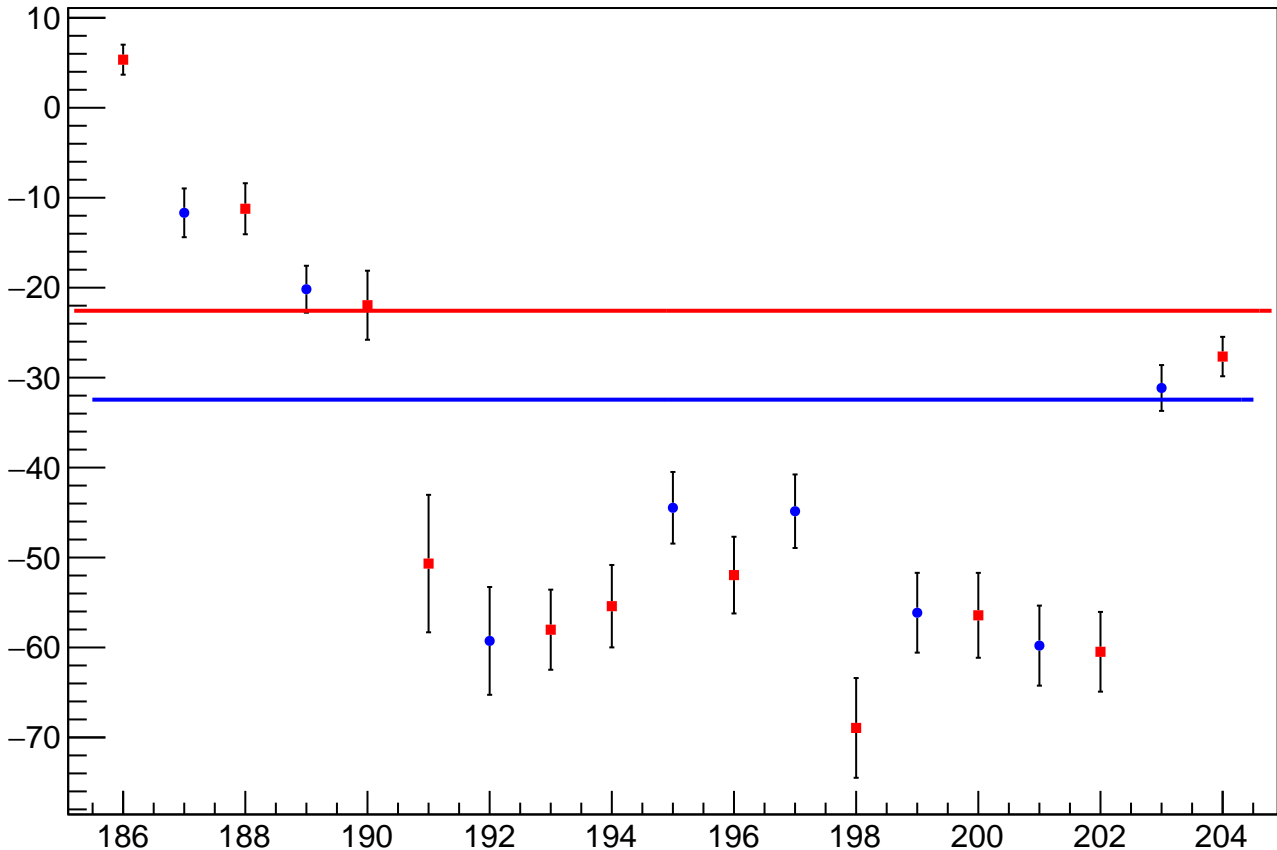
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.258 $\pm$ 0.015  $\chi^2$ /NDF: 682.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_24\_68\_dd\_diff\_bpm1X\_slope vs Slug



Right In: -32.449+/-1.204  $\chi^2$ /NDF: 185.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -22.566+/-0.972  $\chi^2$ /NDF: 671.5/10

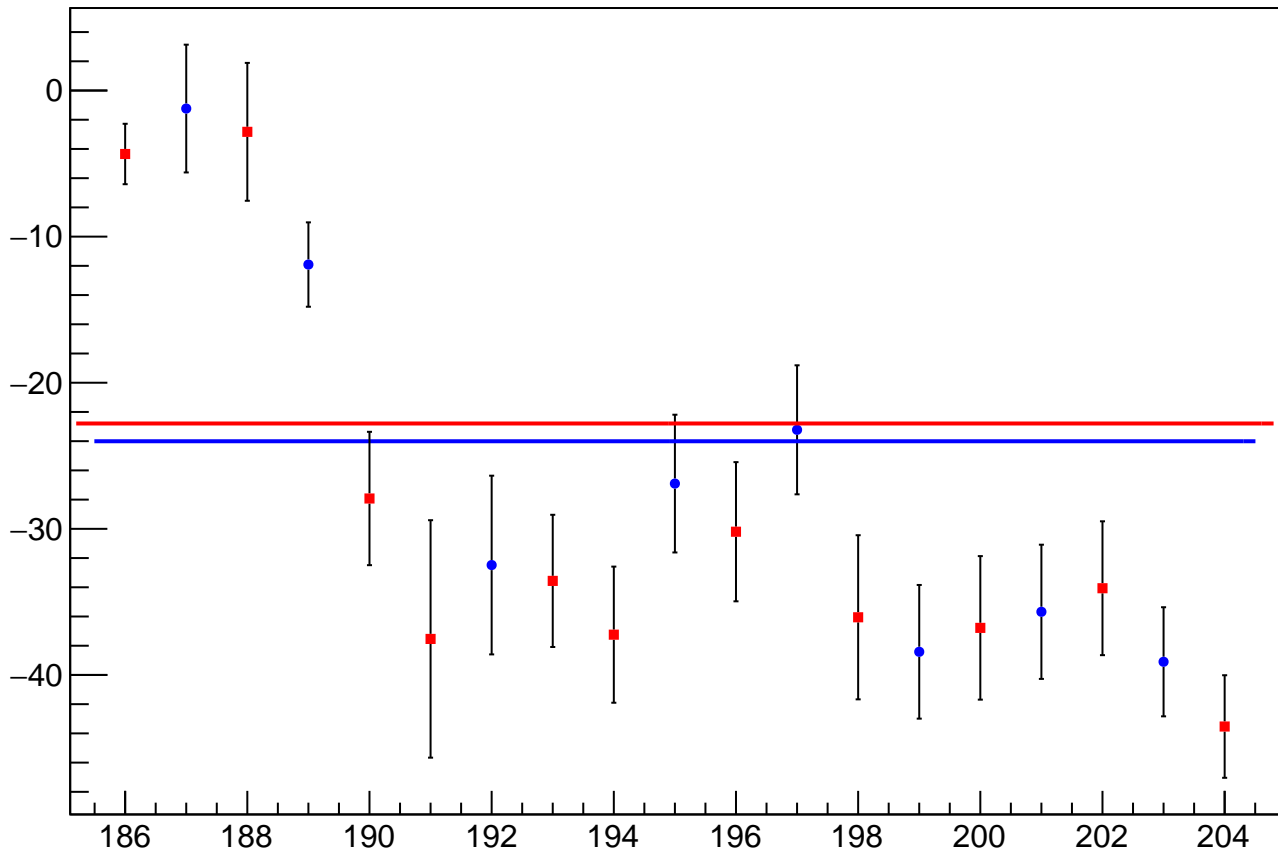
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -26.465+/-0.757  $\chi^2$ /NDF: 898.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-24.005 \pm 1.471$   $\chi^2/\text{NDF}: 79.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-22.789 \pm 1.210$   $\chi^2/\text{NDF}: 174.4/10$

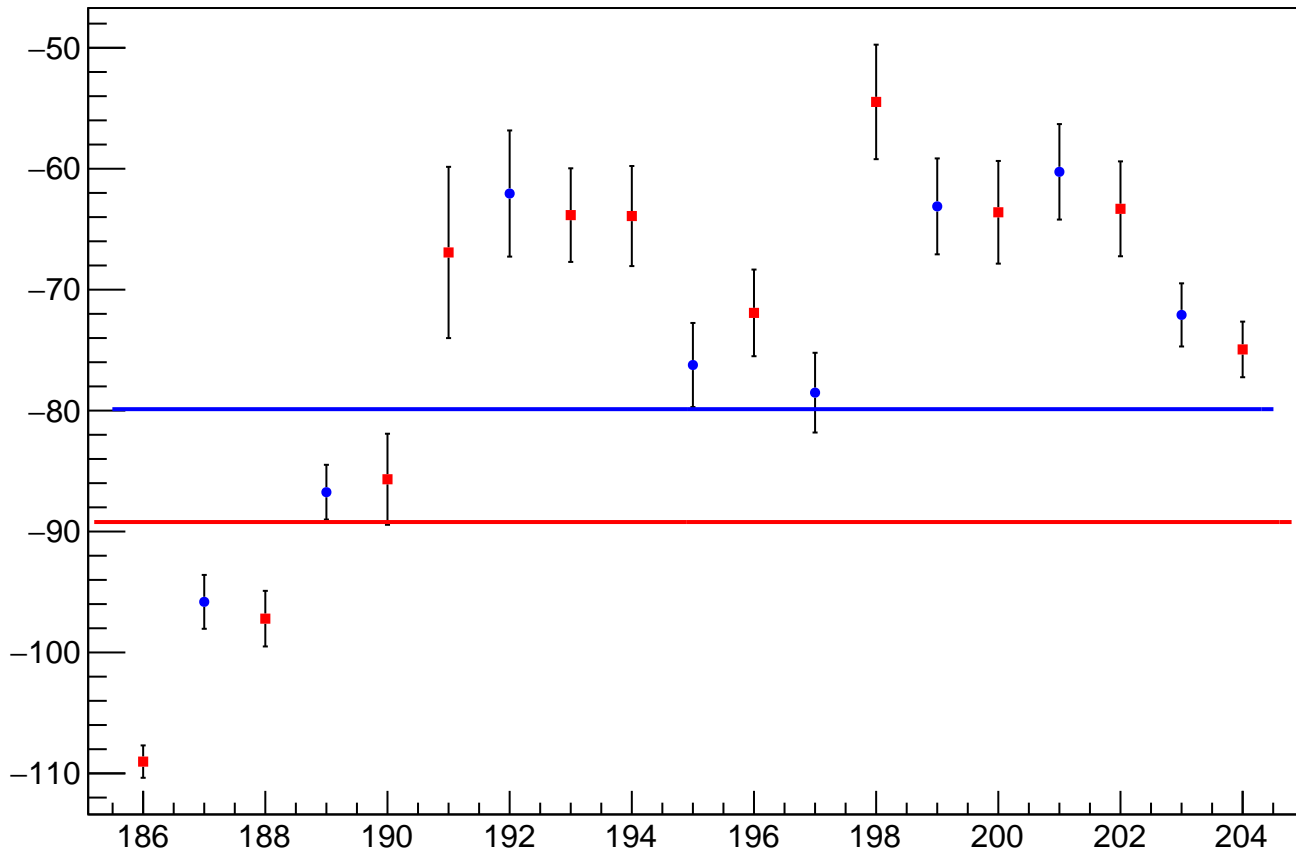
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-23.280 \pm 0.934$   $\chi^2/\text{NDF}: 254.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-79.881 \pm 1.064$   $\chi^2/\text{NDF}: 124.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-89.215 \pm 0.847$   $\chi^2/\text{NDF}: 517.9/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

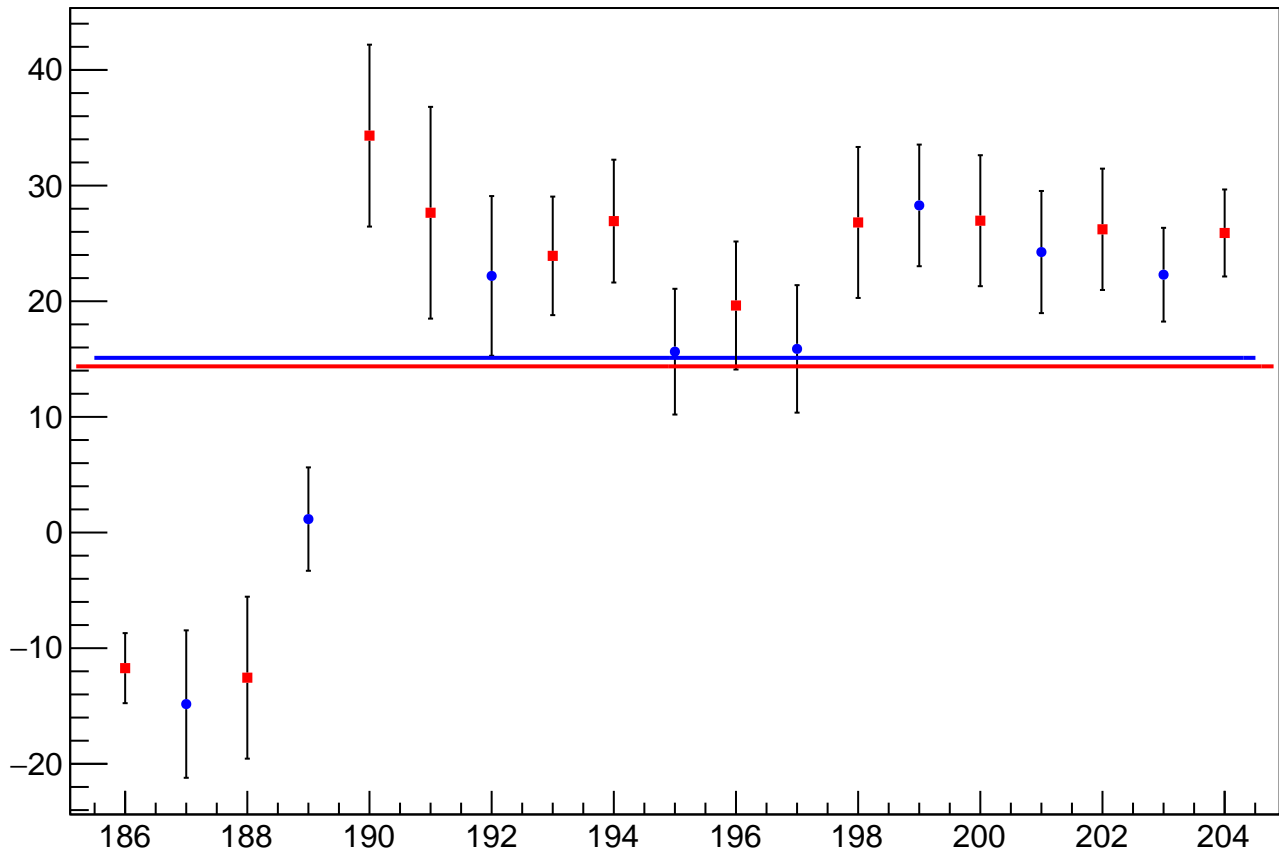
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-85.598 \pm 0.663$   $\chi^2/\text{NDF}: 689.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 15.106+/-1.840  $\chi^2$ /NDF: 45.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 14.369+/-1.533  $\chi^2$ /NDF: 130.6/10

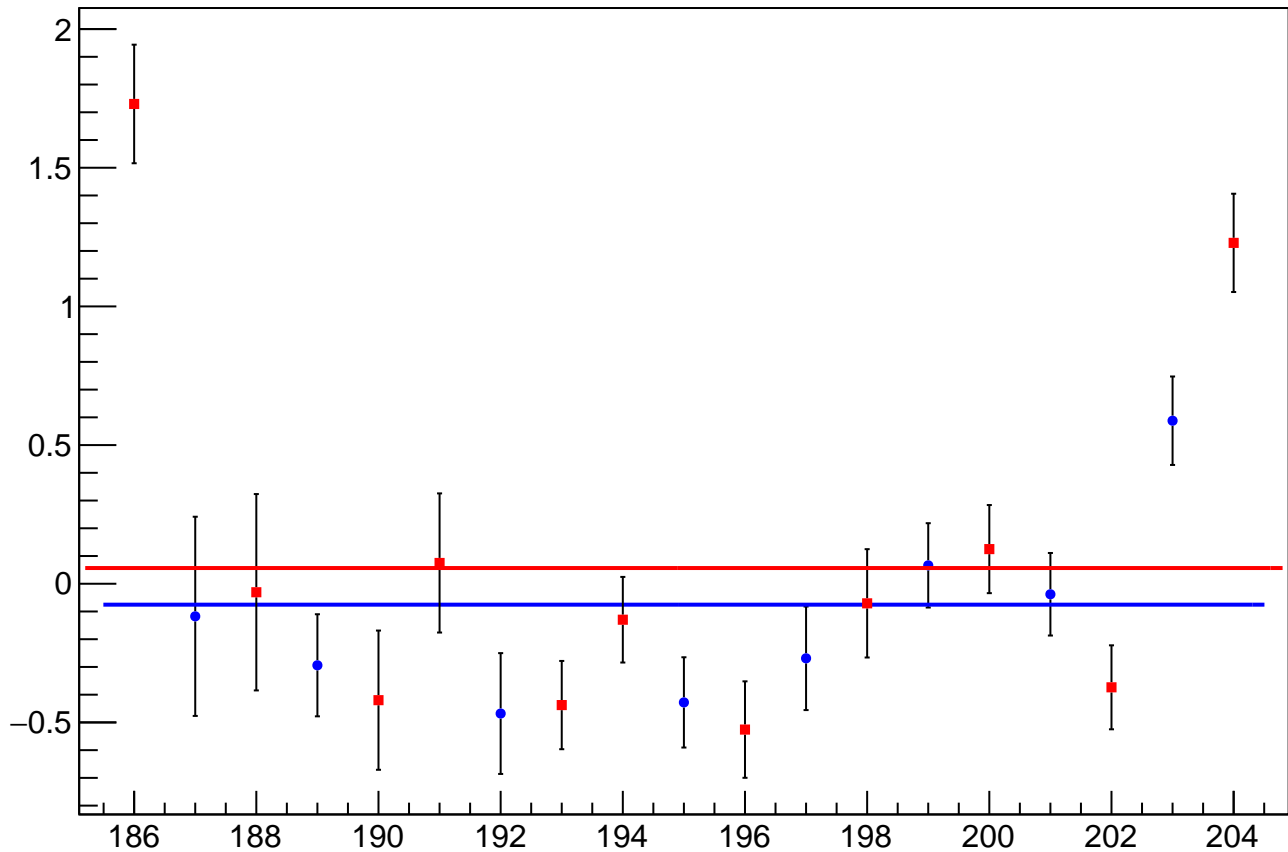
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 14.671+/-1.178  $\chi^2$ /NDF: 176.0/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.075 \pm 0.063$   $\chi^2/\text{NDF}: 28.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.057 \pm 0.056$   $\chi^2/\text{NDF}: 139.7/10$

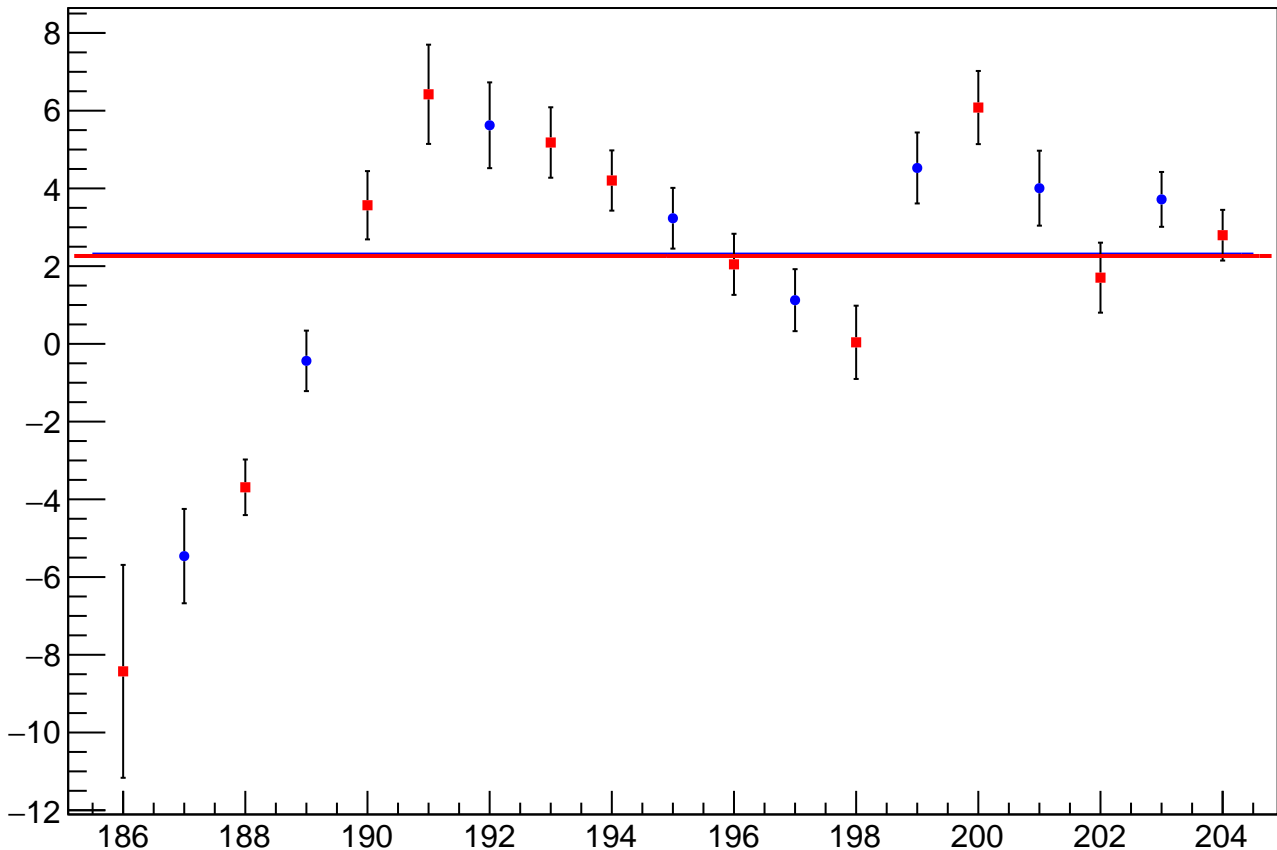
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.002 \pm 0.042$   $\chi^2/\text{NDF}: 170.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_26\_48\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 2.297 $\pm$ 0.307  $\chi^2$ /NDF: 79.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.261 $\pm$ 0.264  $\chi^2$ /NDF: 137.1/10

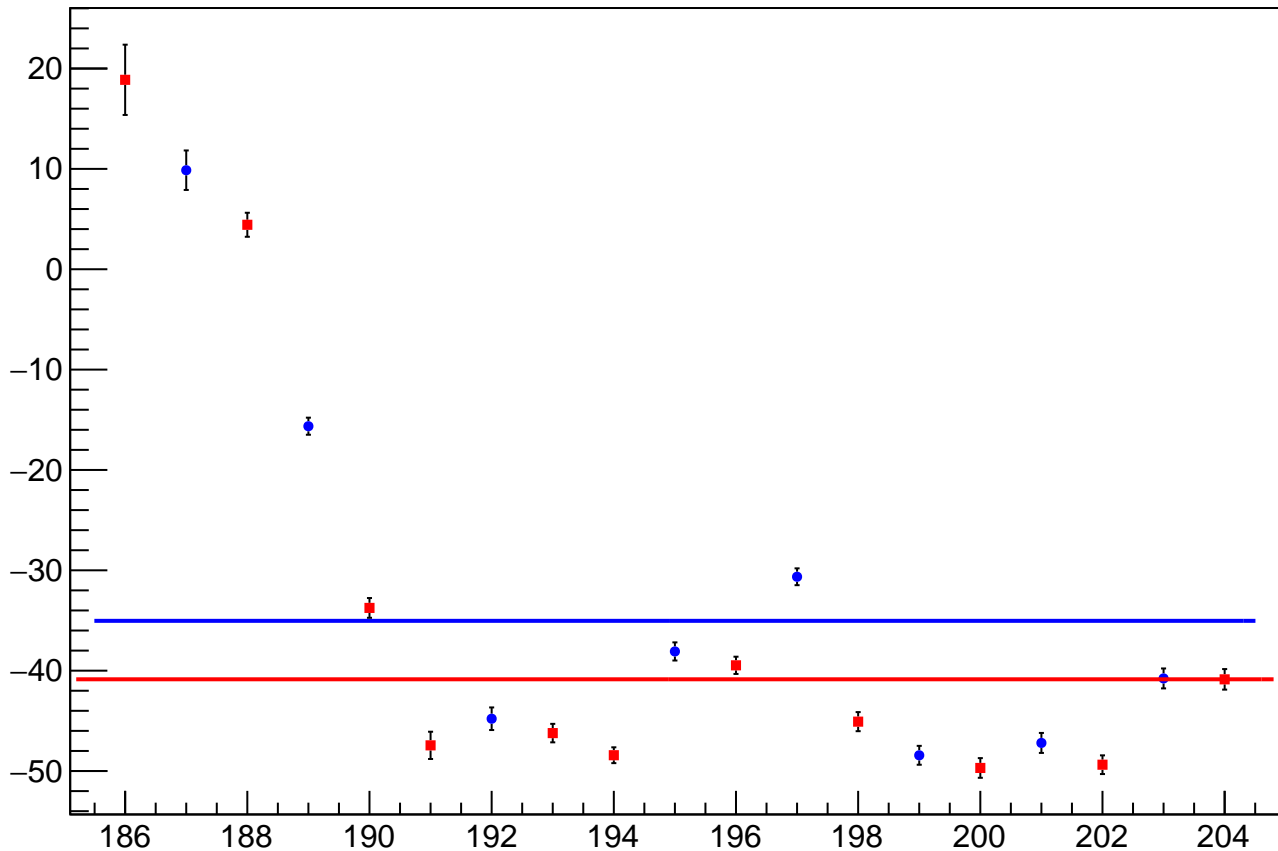
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.277 $\pm$ 0.200  $\chi^2$ /NDF: 216.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-35.034 \pm 0.349$   $\chi^2/\text{NDF}$ : 1539.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-40.859 \pm 0.305$   $\chi^2/\text{NDF}$ : 2111.9/10

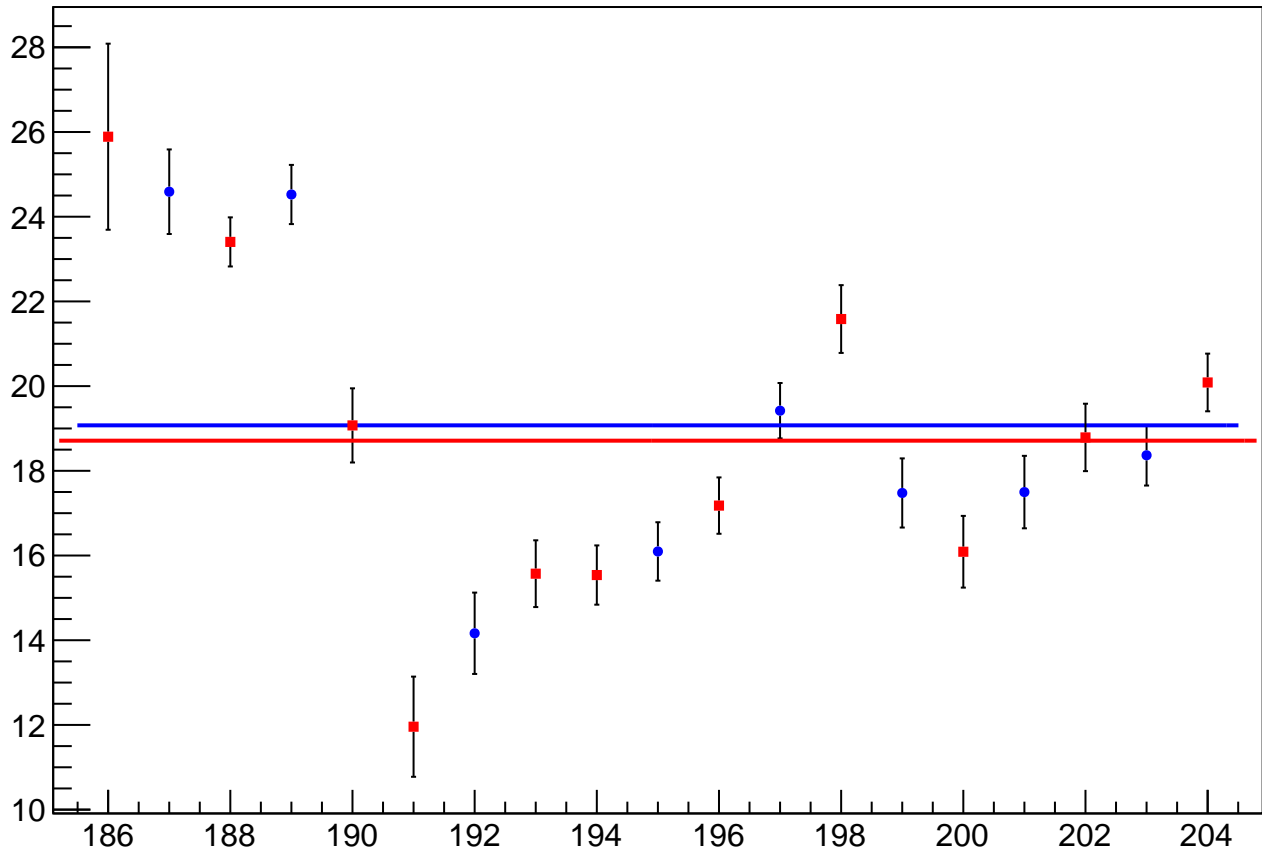
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-38.334 \pm 0.230$   $\chi^2/\text{NDF}$ : 3809.1/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 19.074 $\pm$ 0.273  $\chi^2$ /NDF: 144.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 18.712 $\pm$ 0.237  $\chi^2$ /NDF: 177.3/10

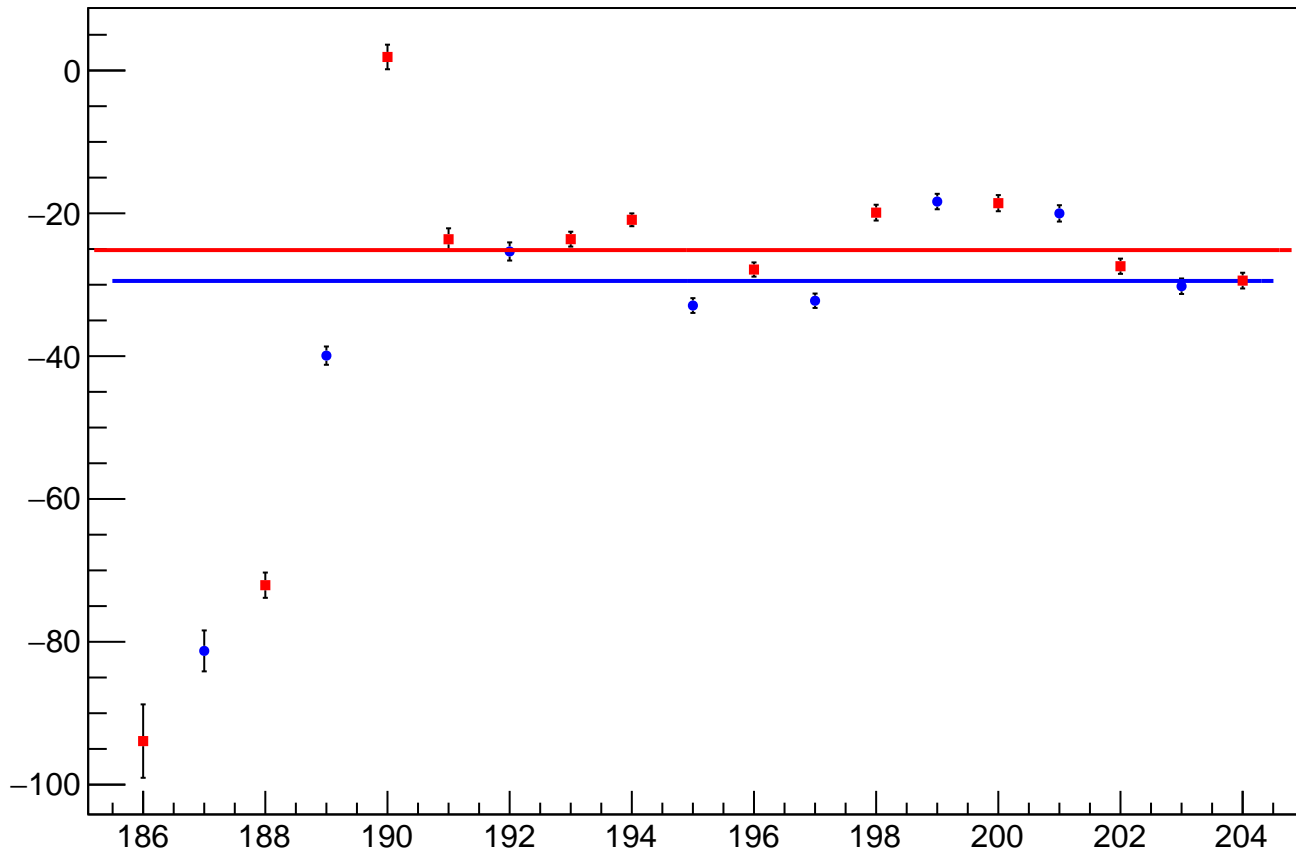
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 18.867 $\pm$ 0.179  $\chi^2$ /NDF: 322.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-29.469 \pm 0.418$   $\chi^2/\text{NDF}: 596.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-25.149 \pm 0.363$   $\chi^2/\text{NDF}: 1237.7/10$

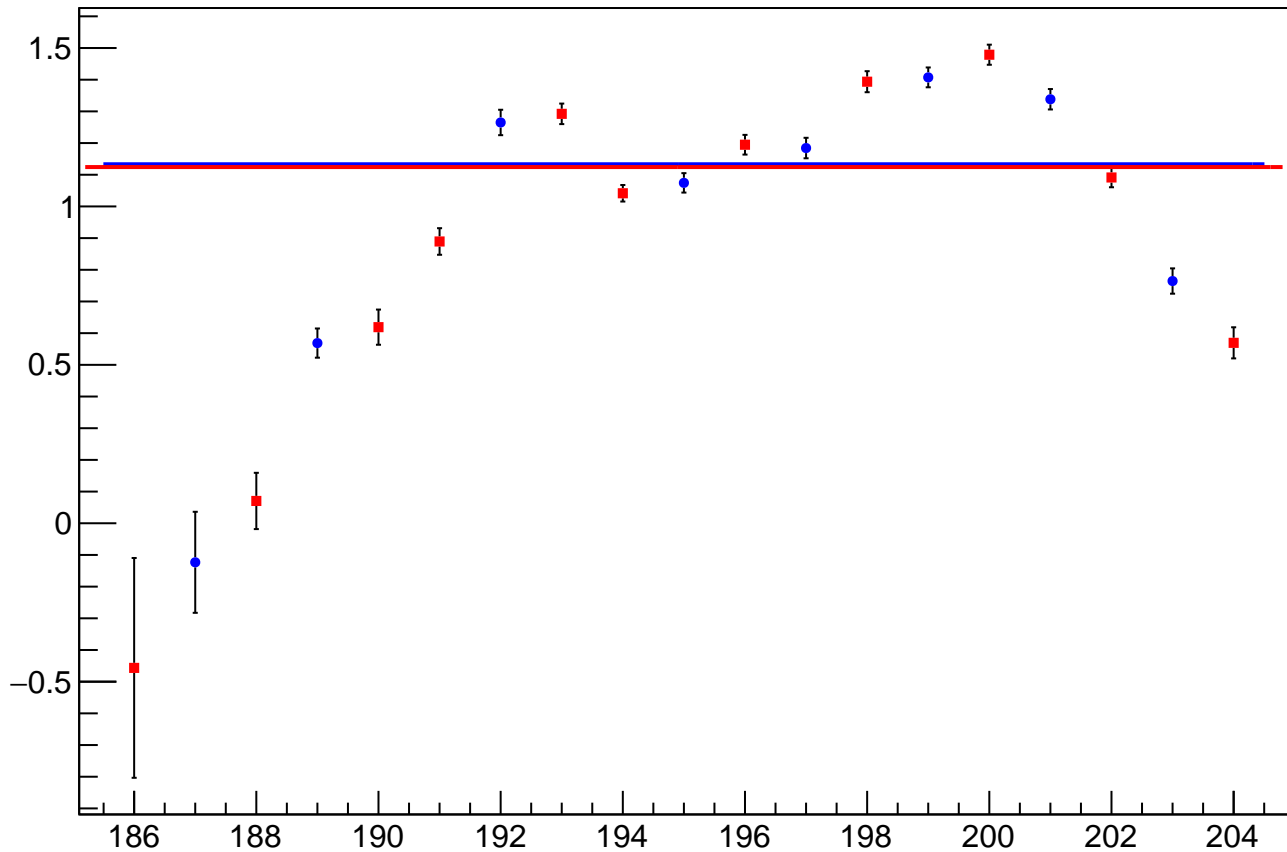
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-27.008 \pm 0.274$   $\chi^2/\text{NDF}: 1895.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 1.133 $\pm$ 0.013  $\chi^2$ /NDF: 431.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.124 $\pm$ 0.011  $\chi^2$ /NDF: 637.5/10

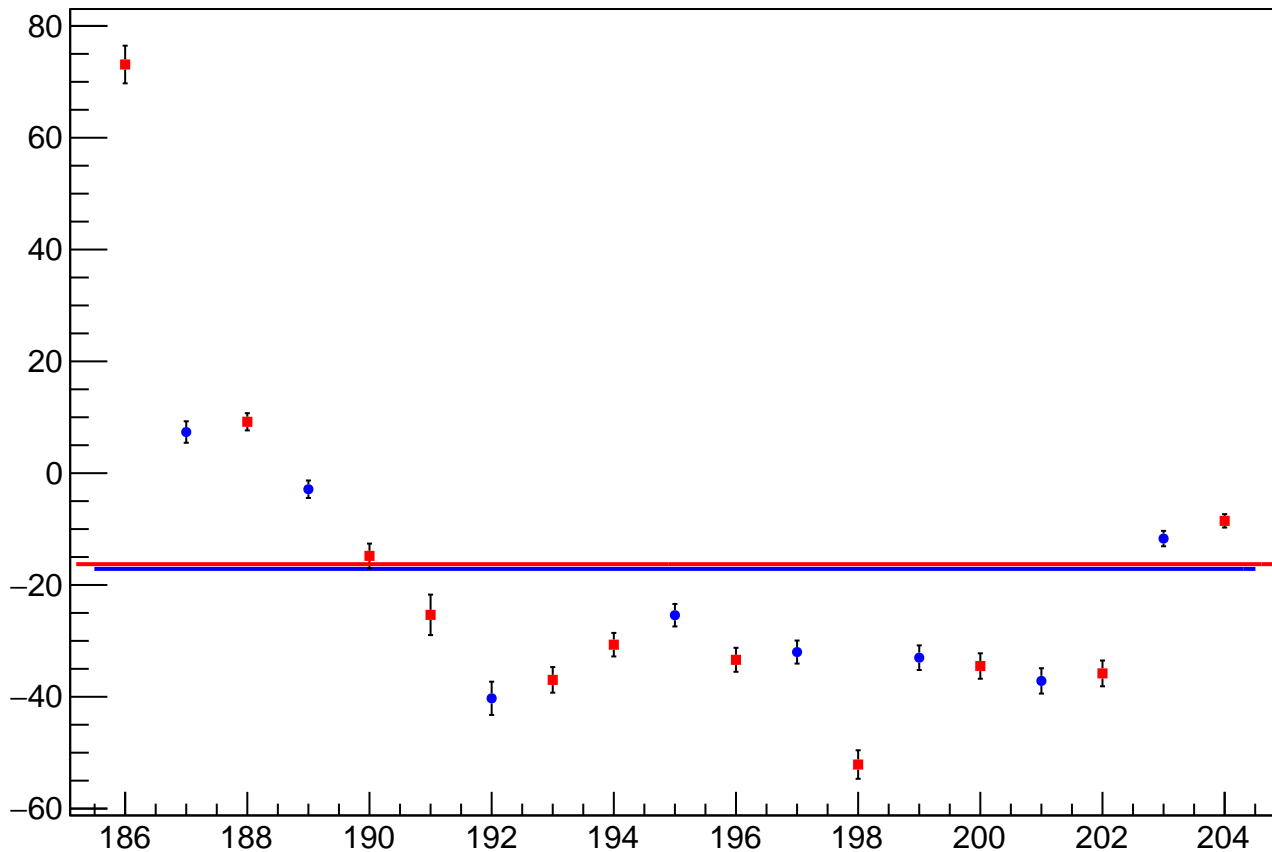
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.128 $\pm$ 0.009  $\chi^2$ /NDF: 1069.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1548\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-17.123 \pm 0.673$   $\chi^2/\text{NDF}: 521.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-16.277 \pm 0.614$   $\chi^2/\text{NDF}: 1550.5/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

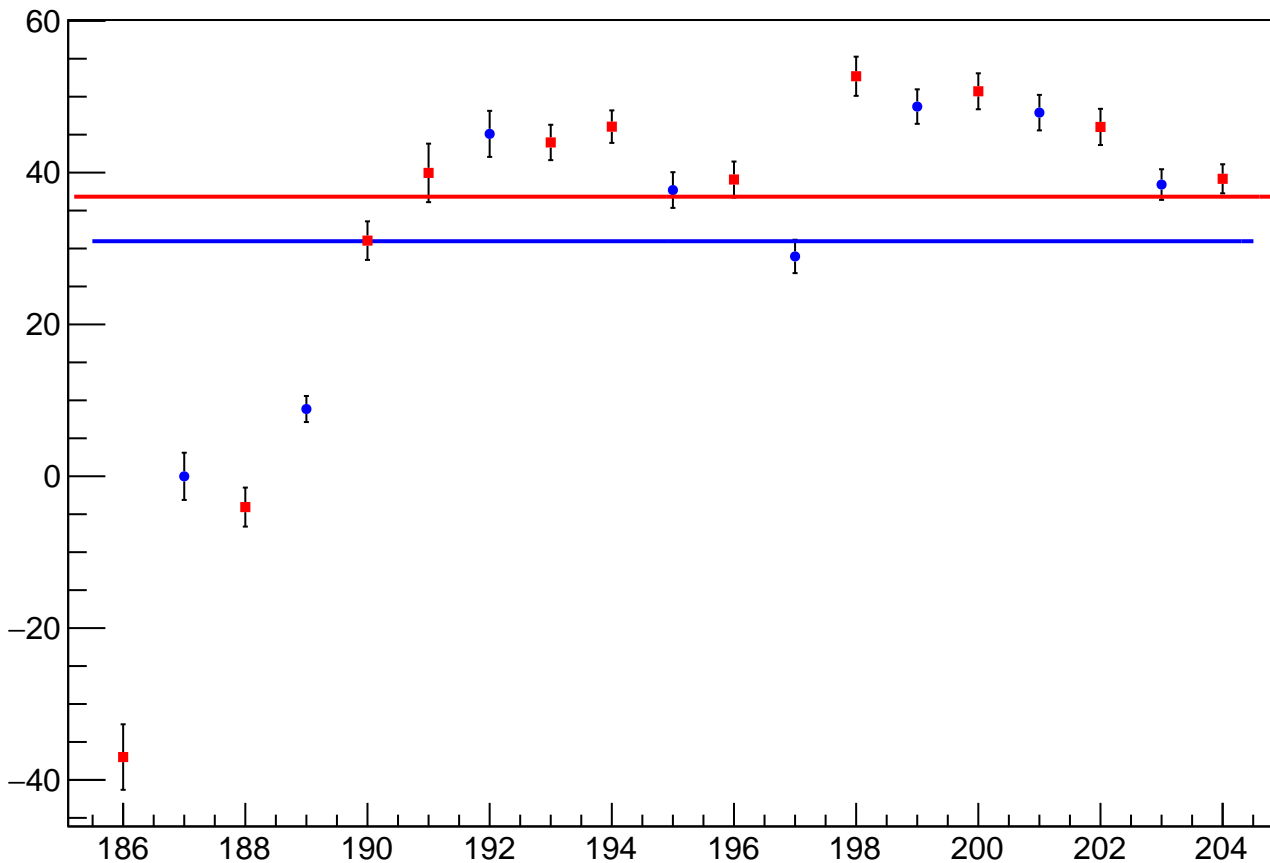
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-16.661 \pm 0.454$   $\chi^2/\text{NDF}: 2072.7/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam\_1548\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 30.962 $\pm$ 0.800  $\chi^2$ /NDF: 422.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 36.828 $\pm$ 0.748  $\chi^2$ /NDF: 669.3/10

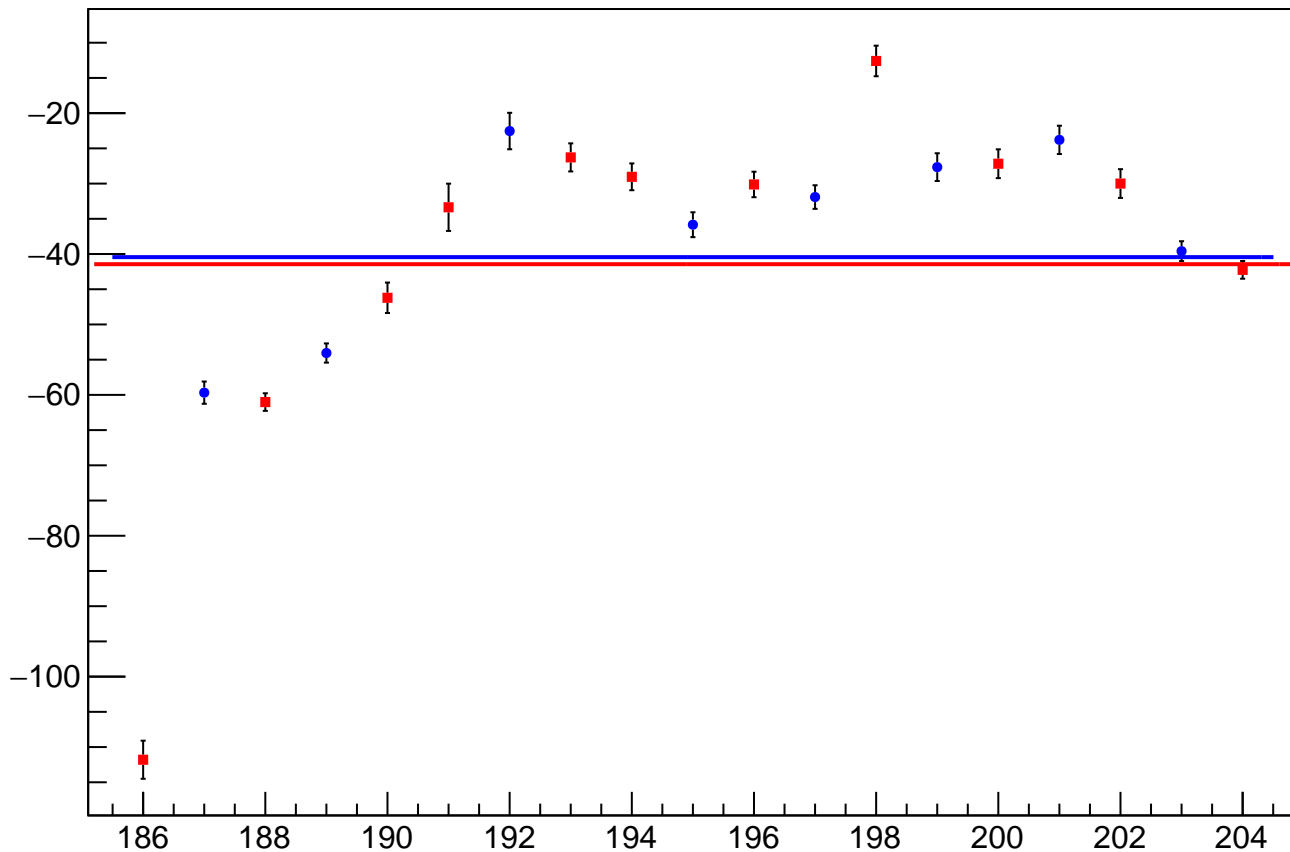
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 34.092 $\pm$ 0.547  $\chi^2$ /NDF: 1120.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1548\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-40.441 \pm 0.601$   $\chi^2/\text{NDF}$ : 439.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-41.444 \pm 0.556$   $\chi^2/\text{NDF}$ : 1329.0/10

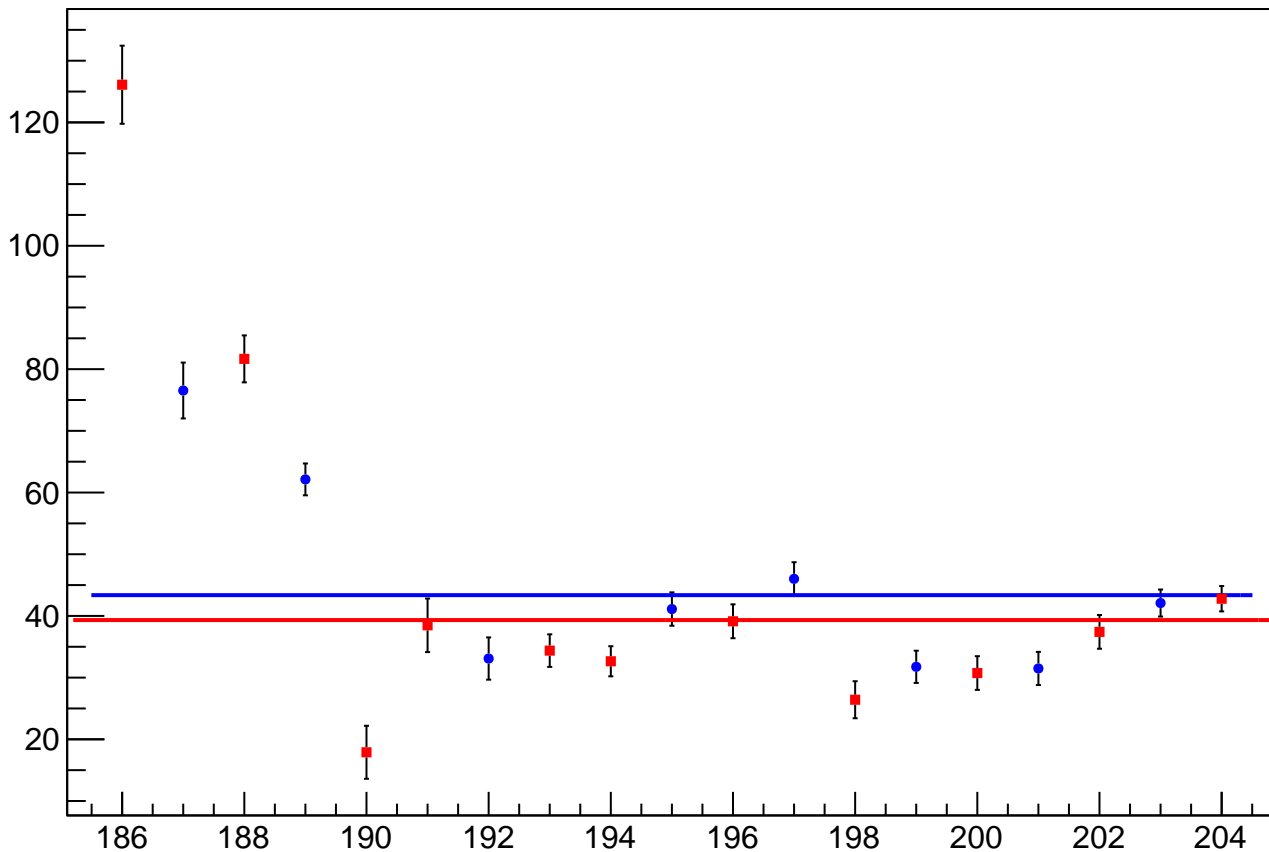
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-40.981 \pm 0.408$   $\chi^2/\text{NDF}$ : 1770.2/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_1548\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 43.368 $\pm$ 0.975  $\chi^2$ /NDF: 156.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 39.329 $\pm$ 0.890  $\chi^2$ /NDF: 379.4/10

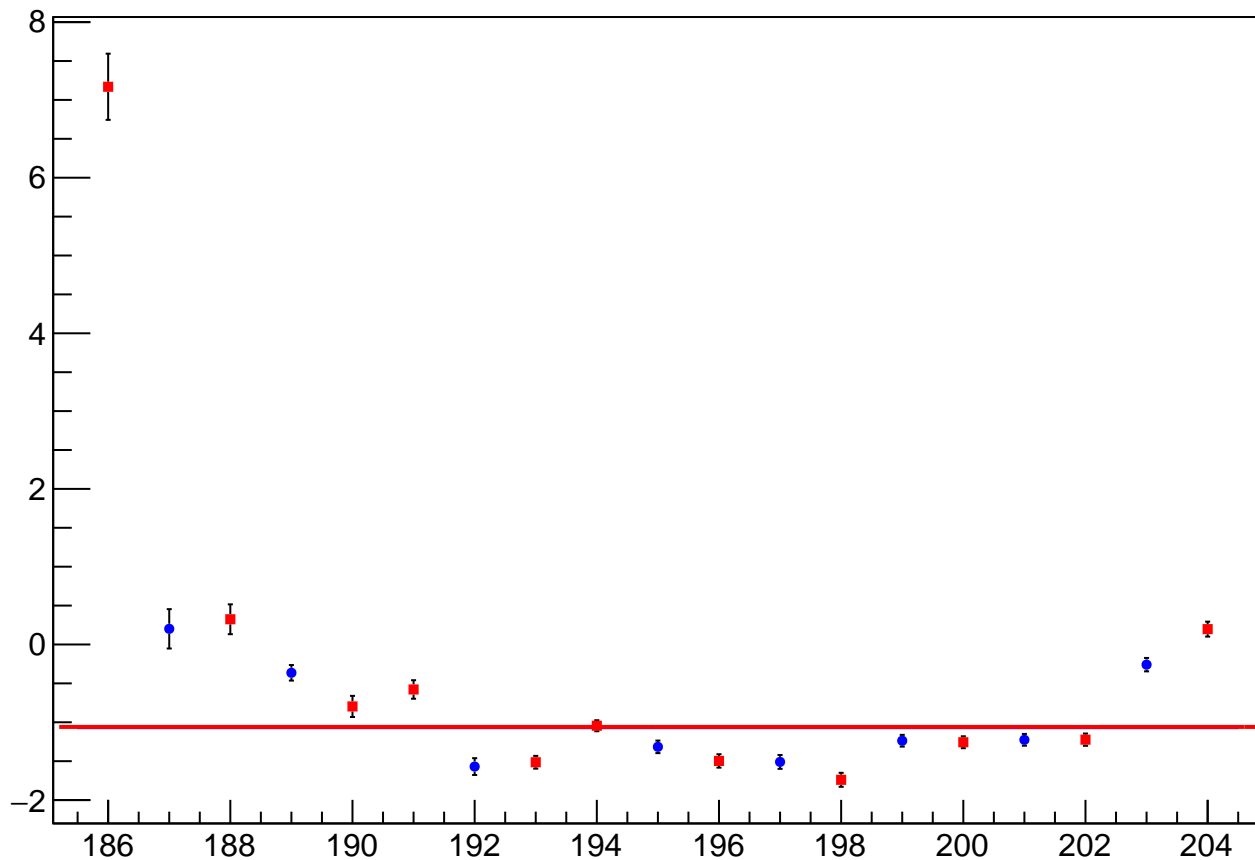
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 41.164 $\pm$ 0.658  $\chi^2$ /NDF: 545.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1548\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.063 \pm 0.032$   $\chi^2/\text{NDF}: 227.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.060 \pm 0.029$   $\chi^2/\text{NDF}: 741.9/10$

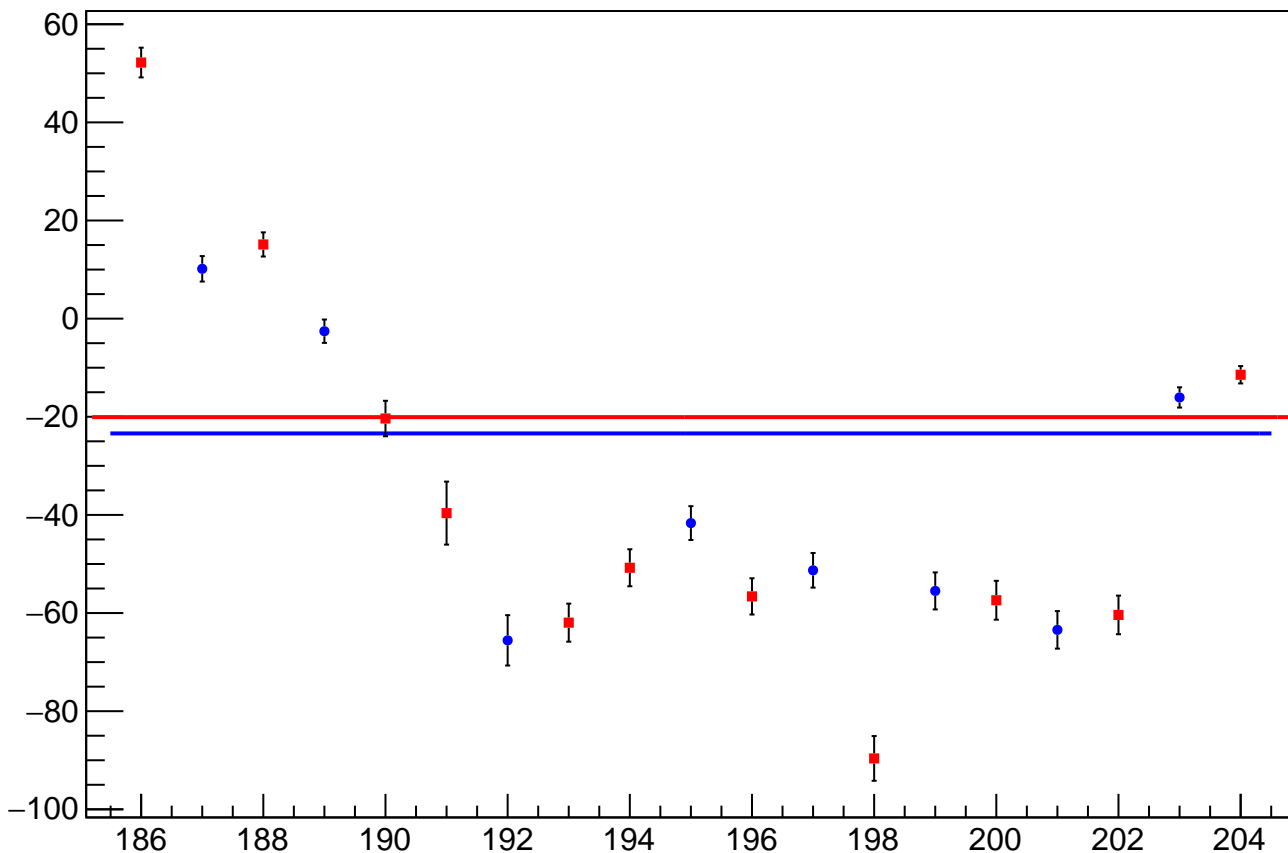
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.061 \pm 0.021$   $\chi^2/\text{NDF}: 969.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_3748\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-23.395 \pm 1.054$   $\chi^2/\text{NDF}: 596.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-20.075 \pm 0.962$   $\chi^2/\text{NDF}: 1513.2/10$

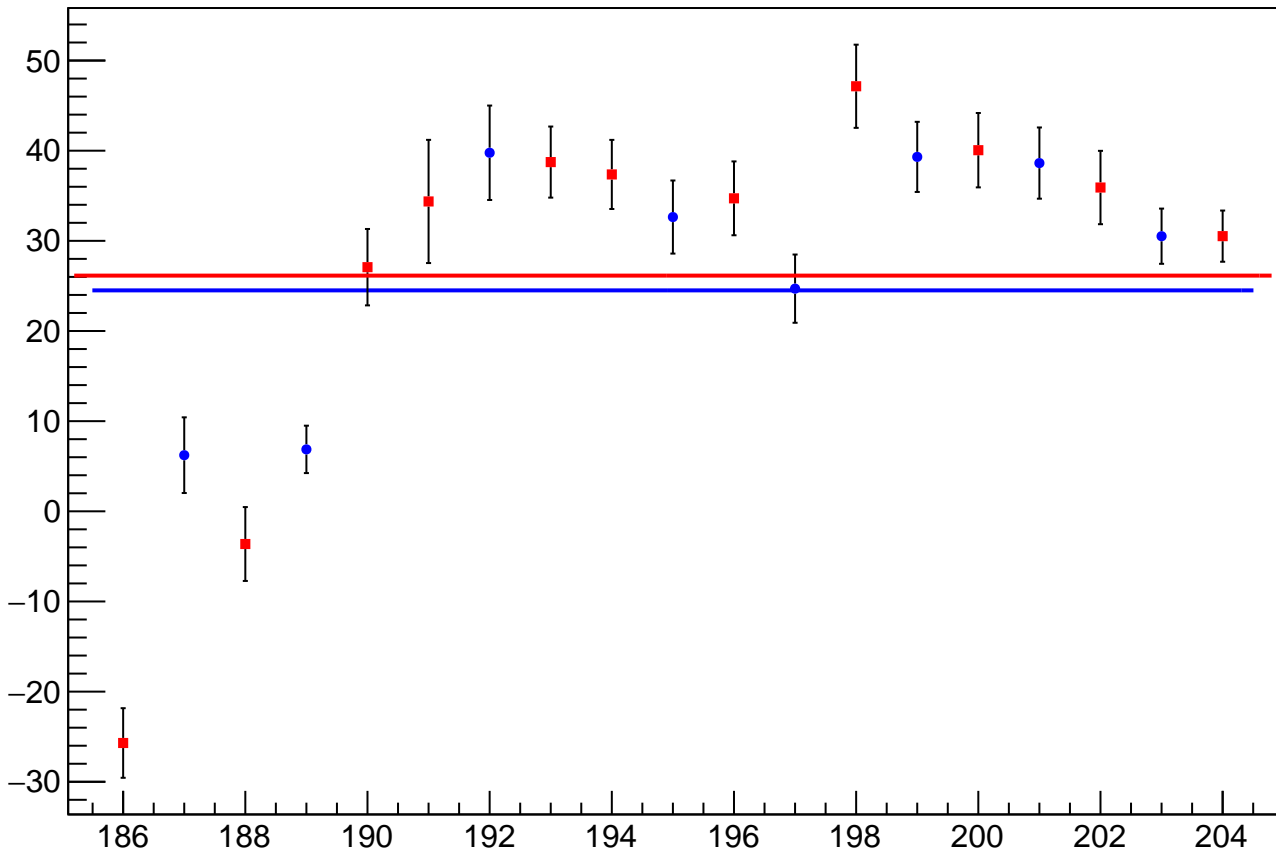
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-21.583 \pm 0.710$   $\chi^2/\text{NDF}: 2114.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_3748\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 24.506 $\pm$ 1.285  $\chi^2$ /NDF: 107.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 26.144 $\pm$ 1.207  $\chi^2$ /NDF: 298.0/10

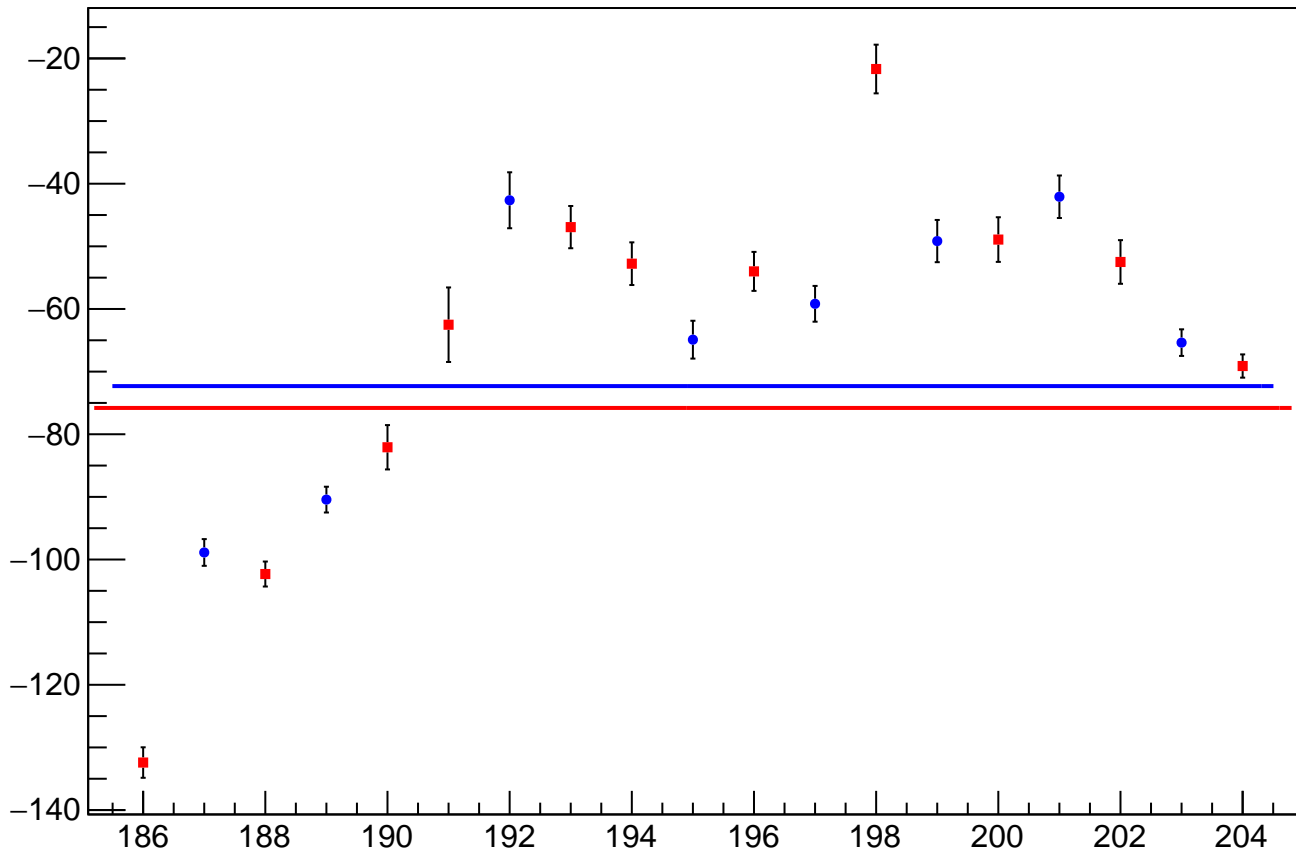
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 25.376 $\pm$ 0.880  $\chi^2$ /NDF: 406.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_3748\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-72.312 \pm 0.939$   $\chi^2/\text{NDF}: 440.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-75.800 \pm 0.869$   $\chi^2/\text{NDF}: 1201.9/10$

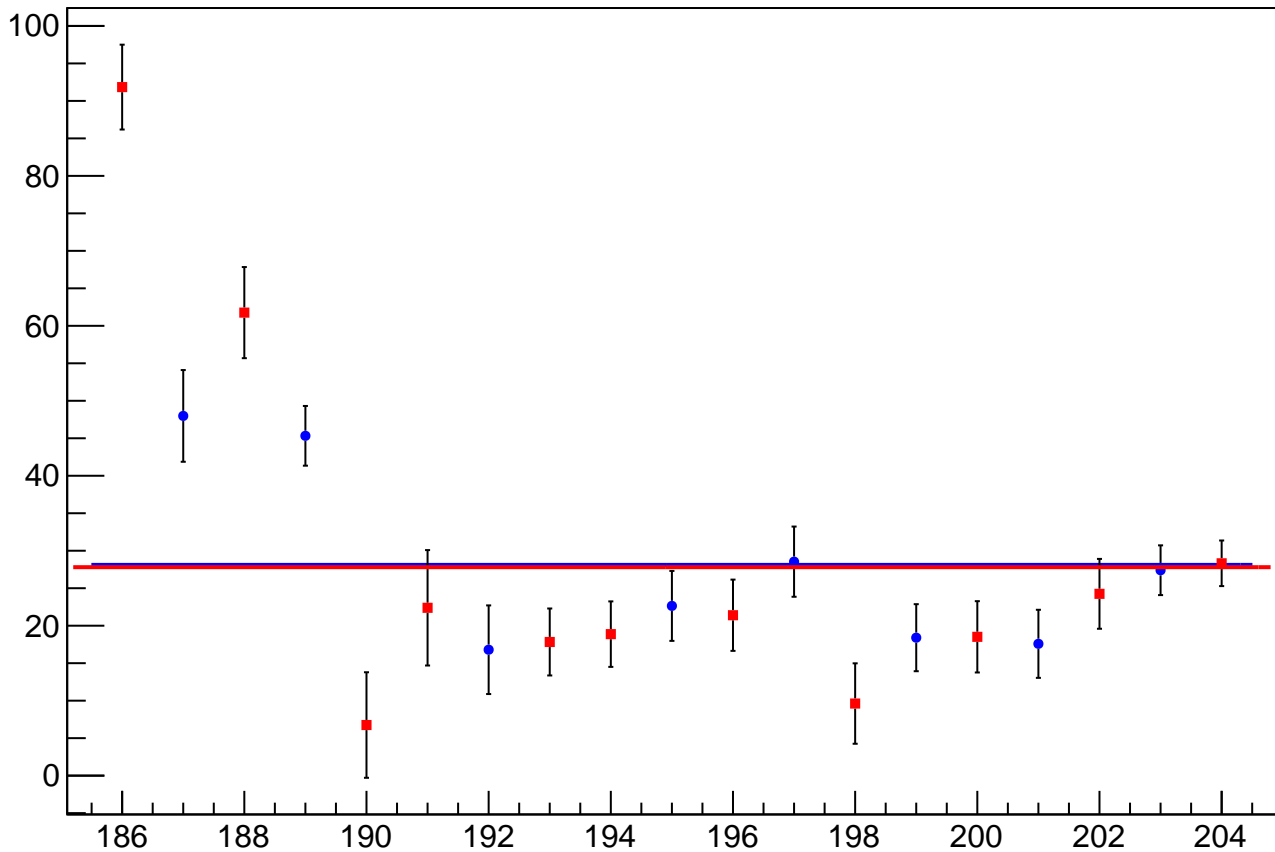
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-74.190 \pm 0.638$   $\chi^2/\text{NDF}: 1650.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_3748\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 28.110+/-1.582  $\chi^2$ /NDF: 44.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 27.804+/-1.450  $\chi^2$ /NDF: 195.6/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

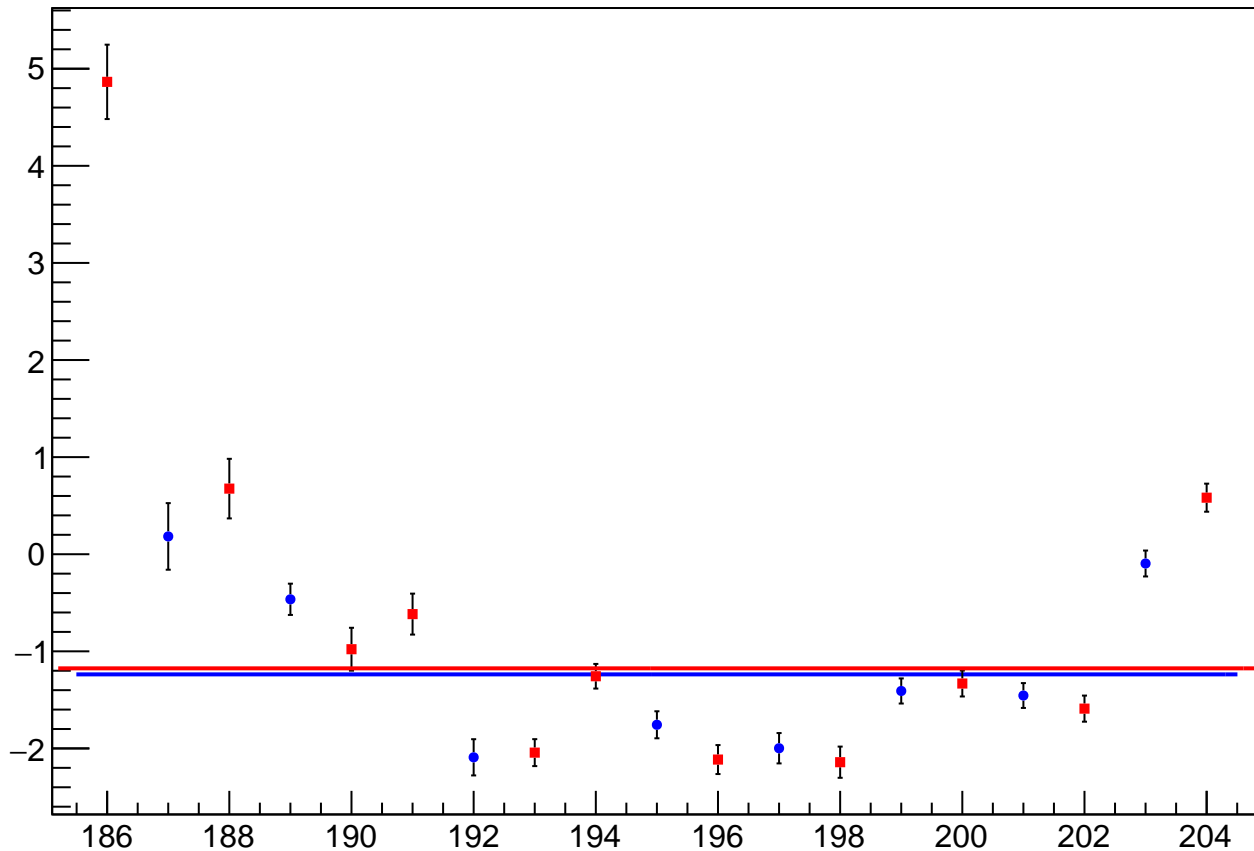
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 27.944+/-1.069  $\chi^2$ /NDF: 240.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam\_3748\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.237 \pm 0.054$   $\chi^2/\text{NDF}: 176.6/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.175 \pm 0.049$   $\chi^2/\text{NDF}: 567.0/10$

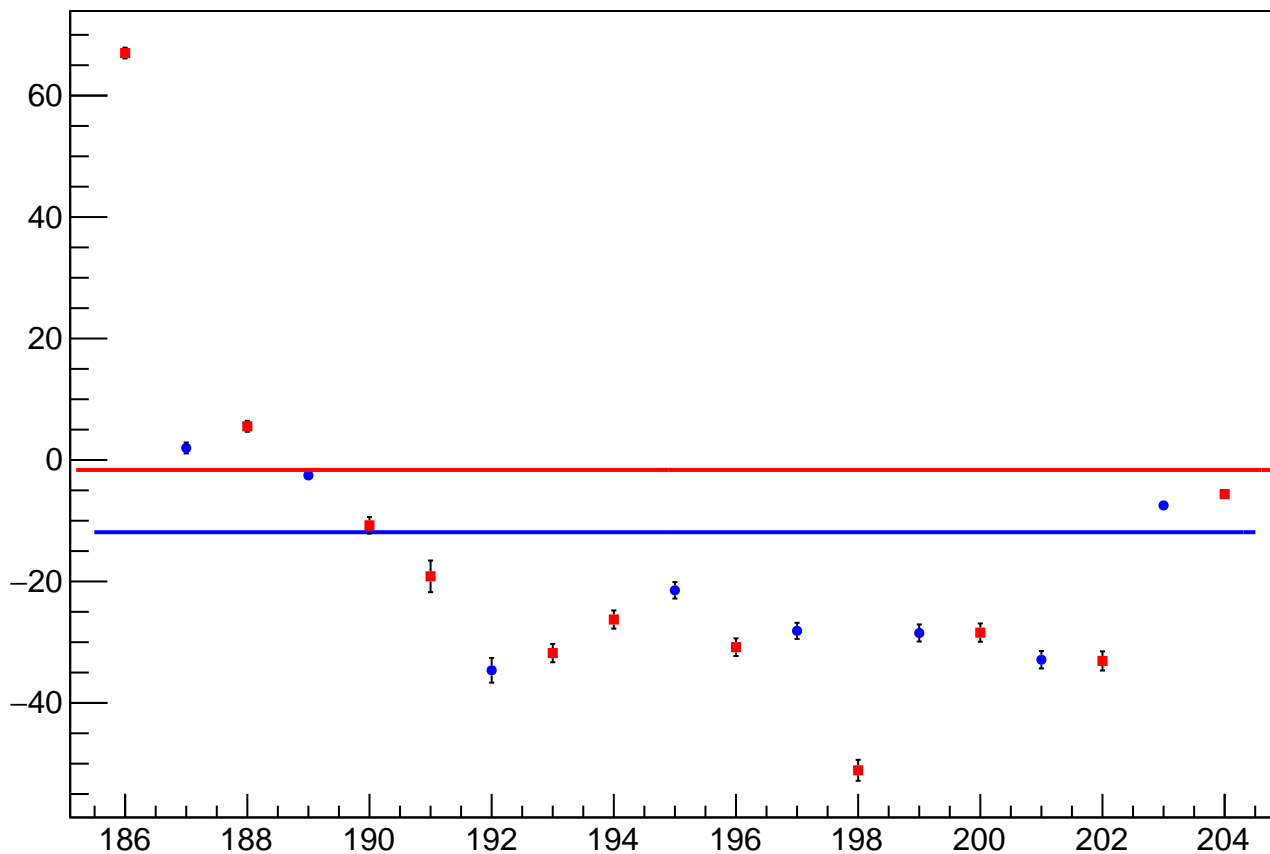
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.203 \pm 0.036$   $\chi^2/\text{NDF}: 744.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_1526\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-11.891 \pm 0.383$   $\chi^2/\text{NDF}: 1075.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.636 \pm 0.348$   $\chi^2/\text{NDF}: 8817.4/10$

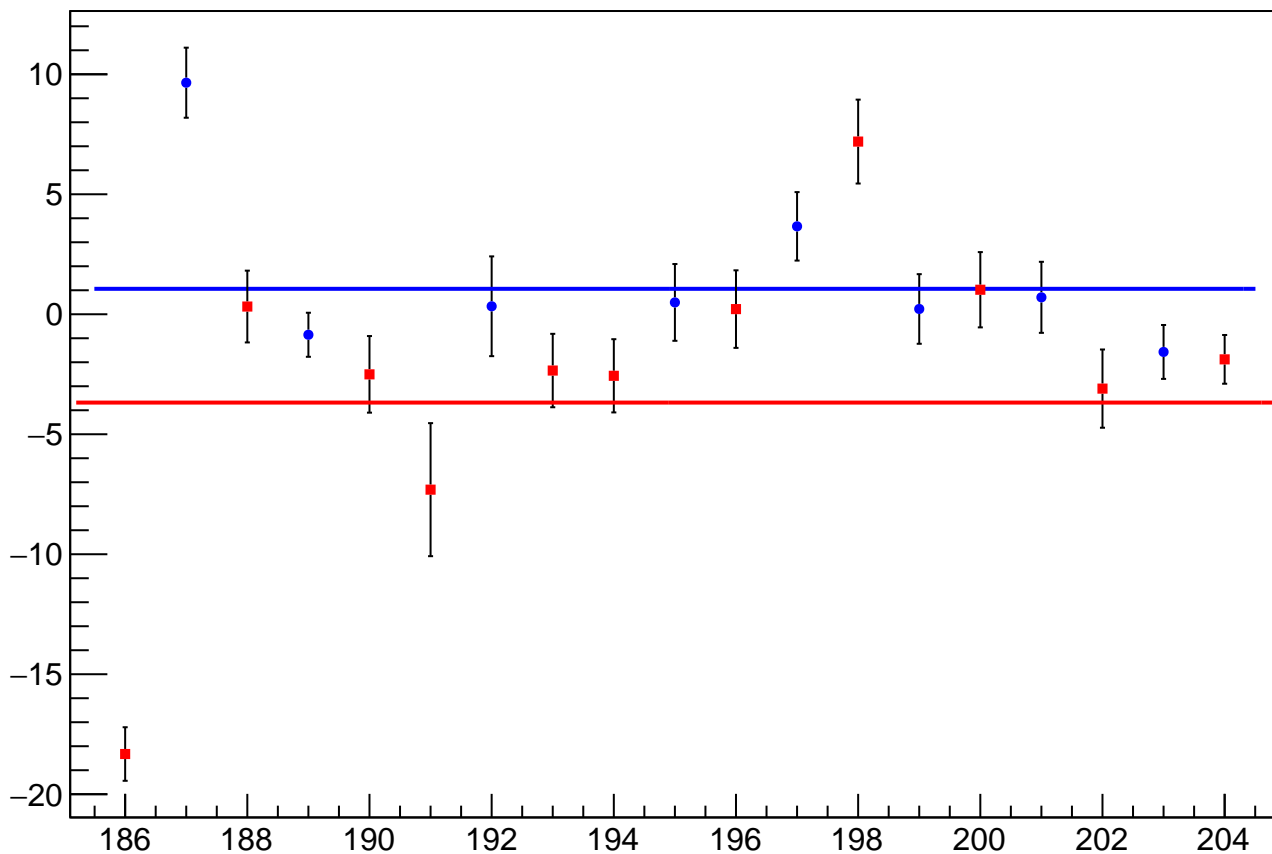
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-6.270 \pm 0.258$   $\chi^2/\text{NDF}: 10284.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_1526\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 1.060 $\pm$ 0.472  $\chi^2$ /NDF: 48.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -3.680 $\pm$ 0.443  $\chi^2$ /NDF: 239.7/10

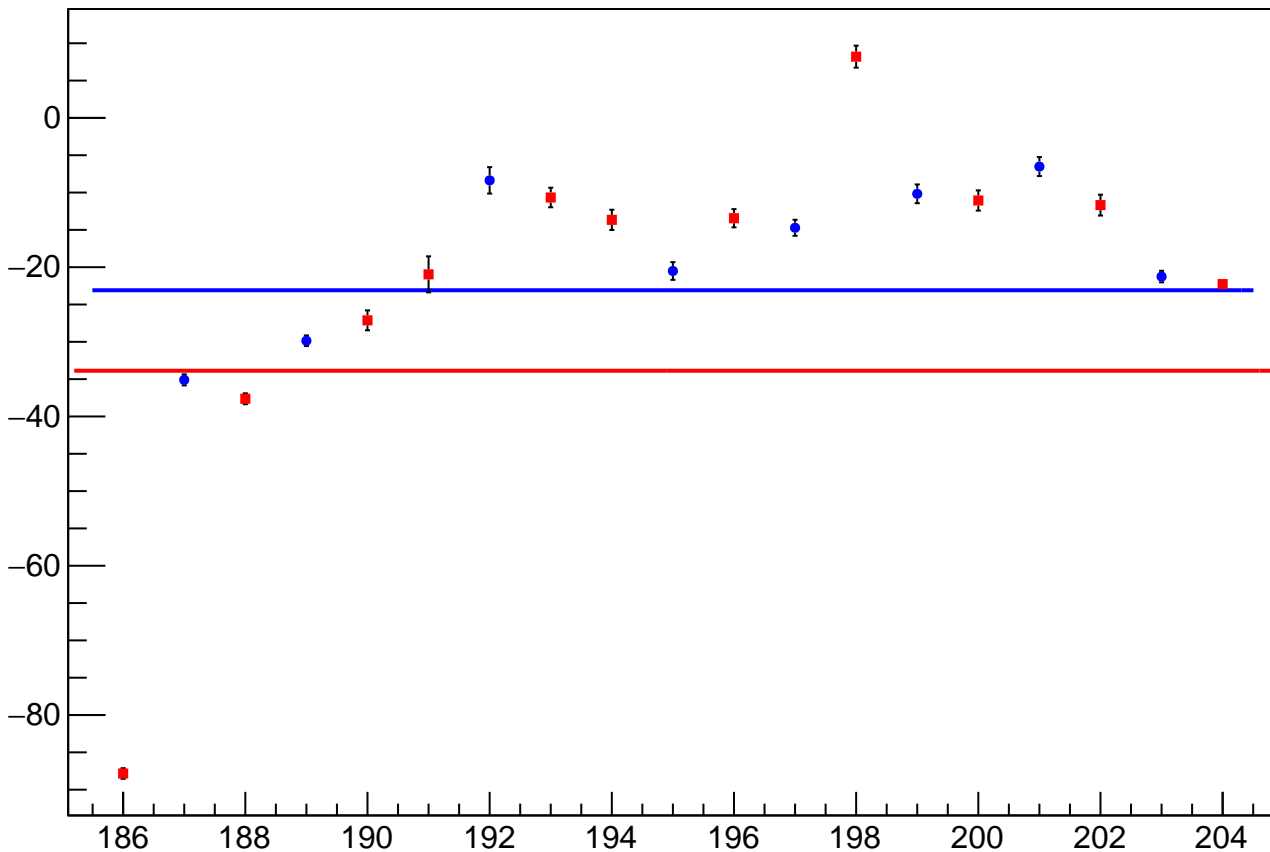
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1.458 $\pm$ 0.323  $\chi^2$ /NDF: 341.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1526\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-23.090 \pm 0.341$   $\chi^2/\text{NDF}$ : 768.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-33.871 \pm 0.313$   $\chi^2/\text{NDF}$ : 8316.7/10

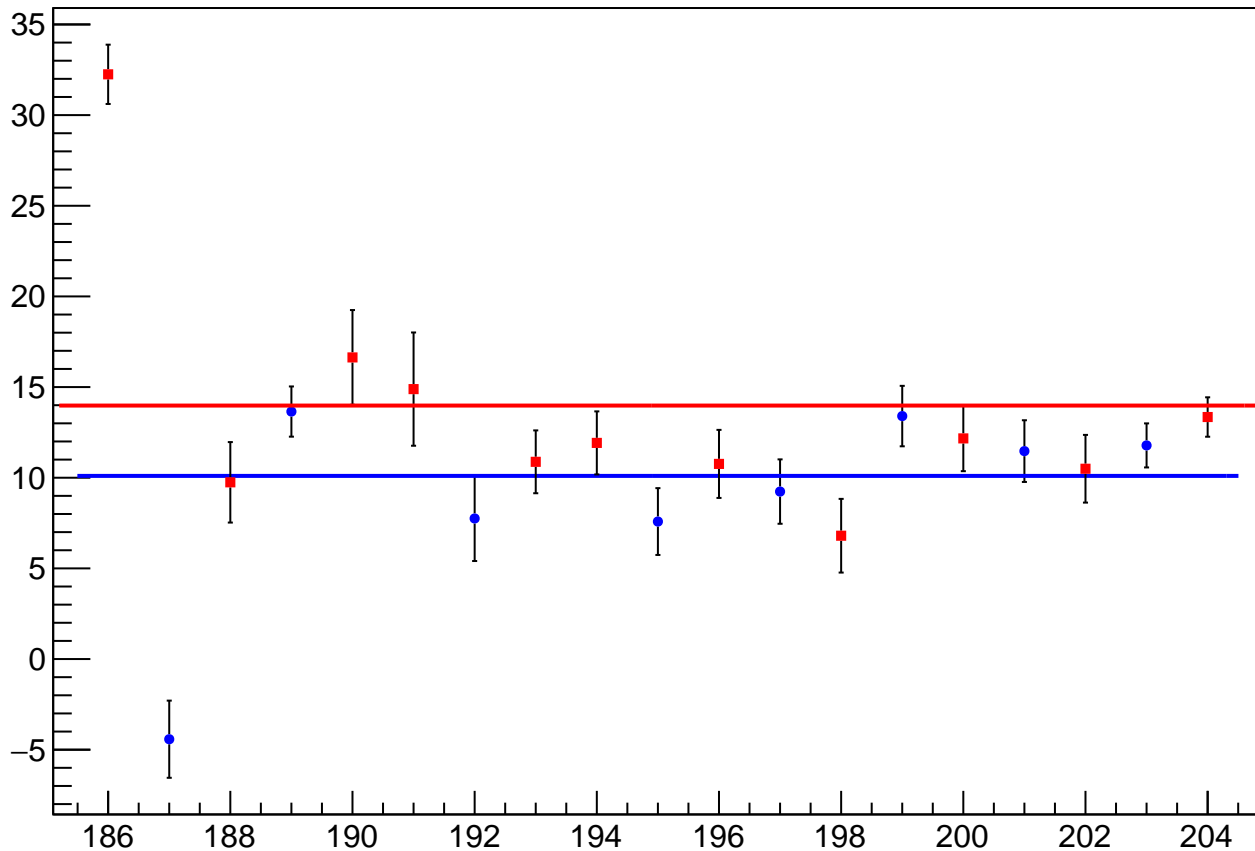
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-28.931 \pm 0.231$   $\chi^2/\text{NDF}$ : 9627.4/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_1526\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 10.101 $\pm$ 0.585  $\chi^2$ /NDF: 62.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.980 $\pm$ 0.538  $\chi^2$ /NDF: 154.4/10

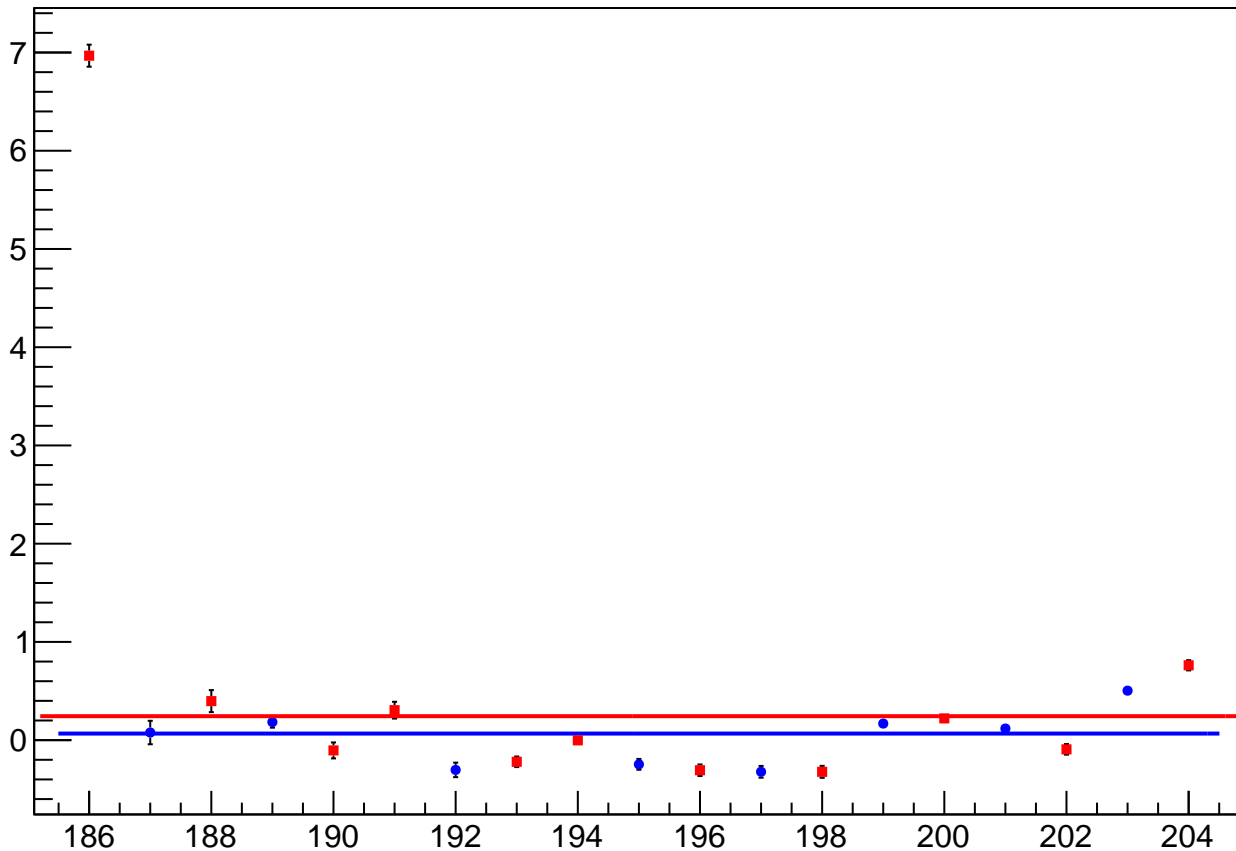
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 12.204 $\pm$ 0.396  $\chi^2$ /NDF: 240.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1526\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 0.067 $\pm$ 0.020  $\chi^2$ /NDF: 186.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.244 $\pm$ 0.019  $\chi^2$ /NDF: 4022.6/10

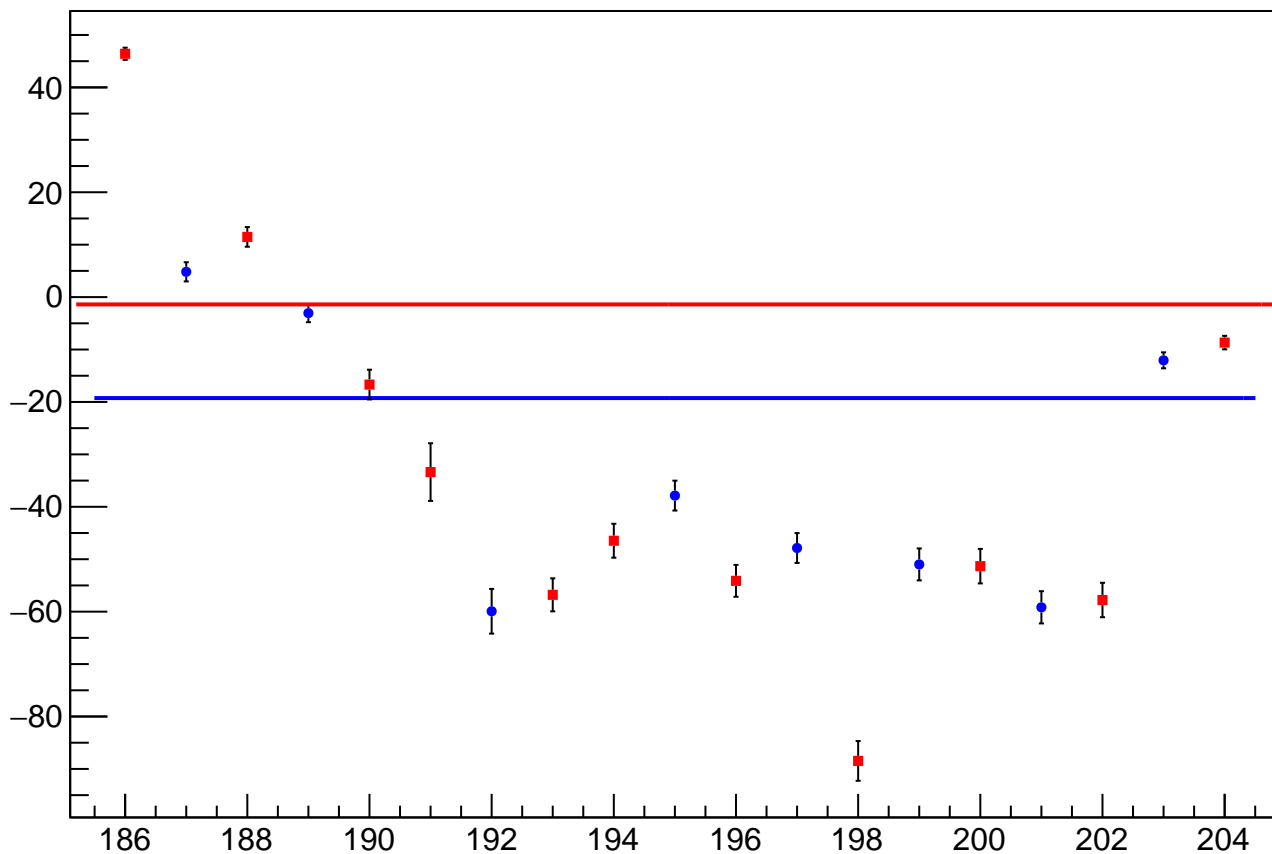
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.162 $\pm$ 0.014  $\chi^2$ /NDF: 4250.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_3726\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-19.260 \pm 0.796$   $\chi^2/\text{NDF}: 794.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.396 \pm 0.654$   $\chi^2/\text{NDF}: 3676.6/10$

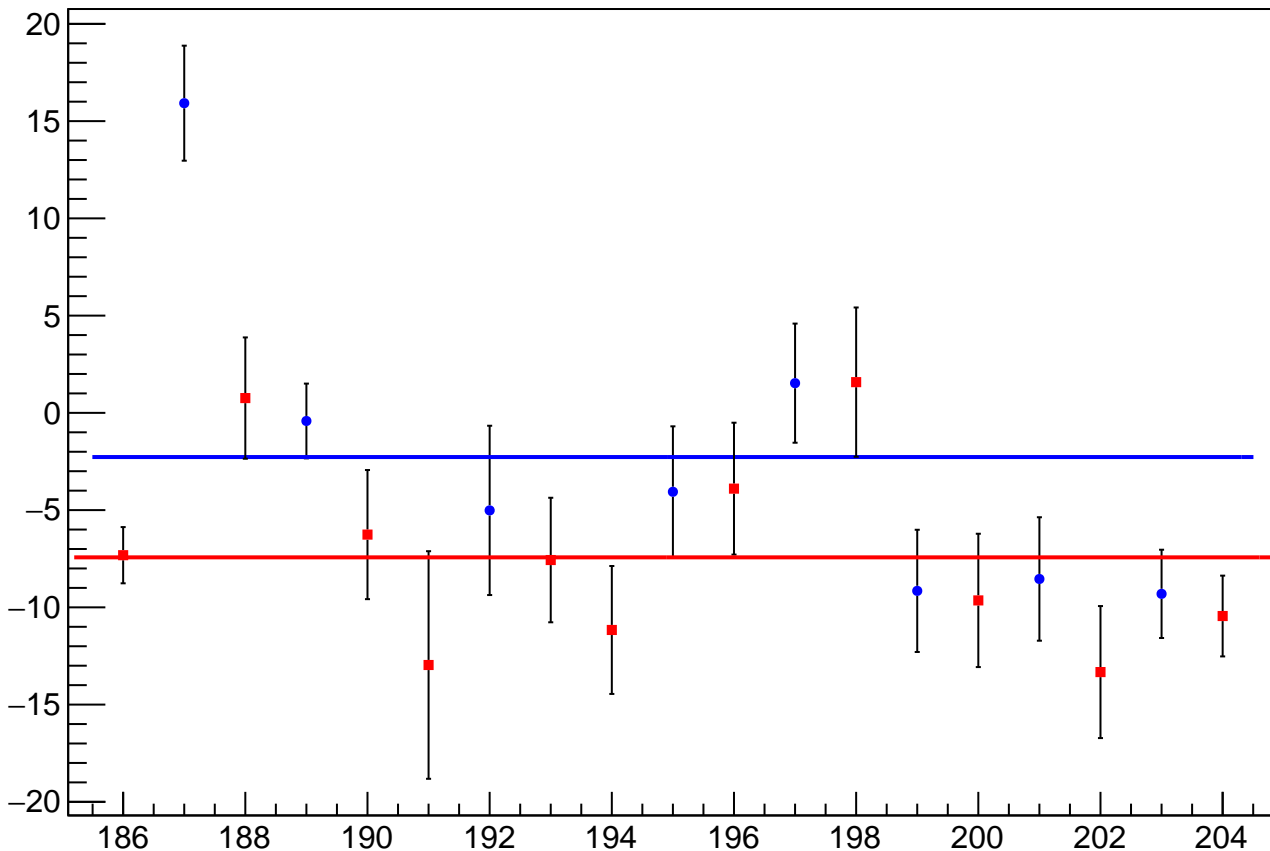
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-8.603 \pm 0.505$   $\chi^2/\text{NDF}: 4772.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_3726\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: -2.272+/-0.987  $\chi^2$ /NDF: 59.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7.429+/-0.830  $\chi^2$ /NDF: 21.4/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

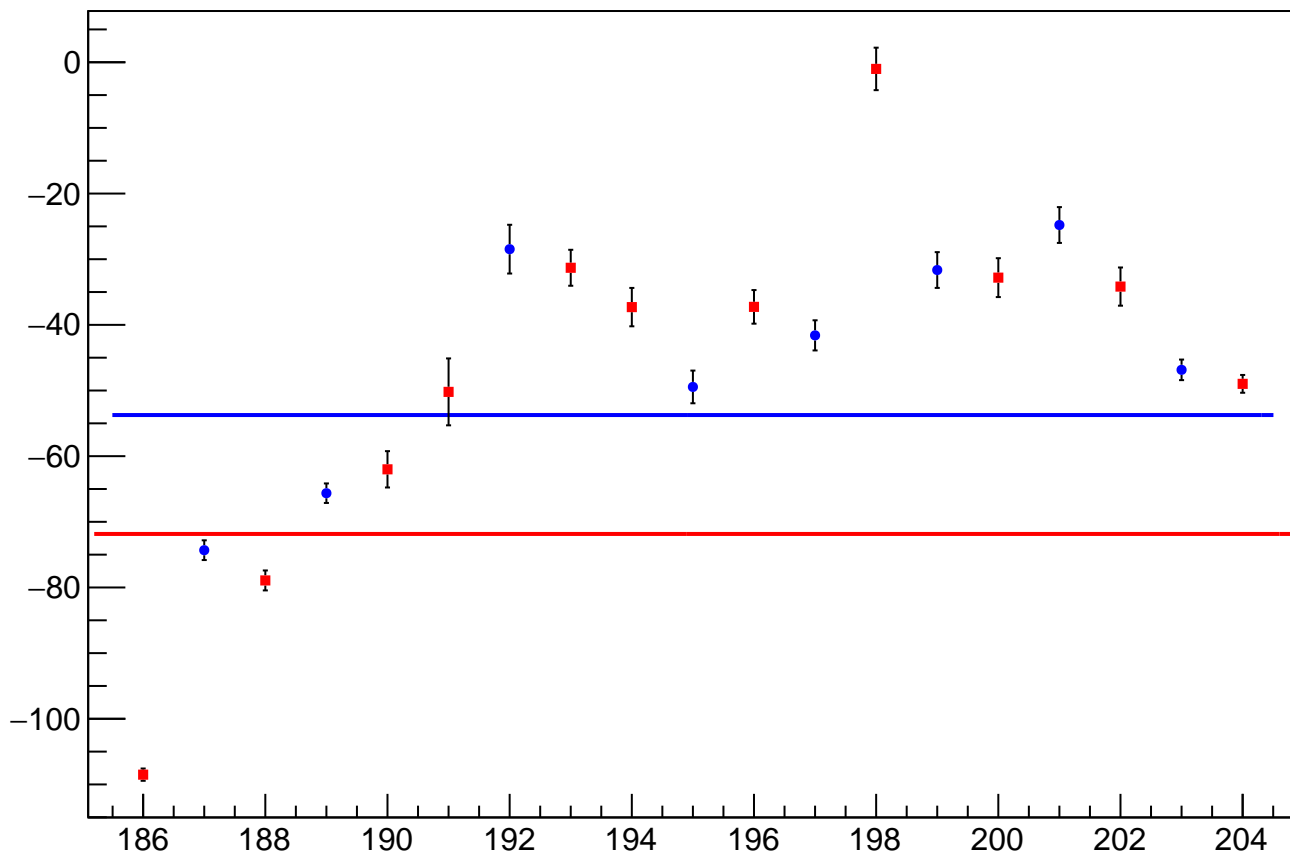
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -5.290+/-0.635  $\chi^2$ /NDF: 96.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam\_3726\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -53.735+/-0.708  $\chi^2$ /NDF: 526.5/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -71.847+/-0.576  $\chi^2$ /NDF: 3234.3/10

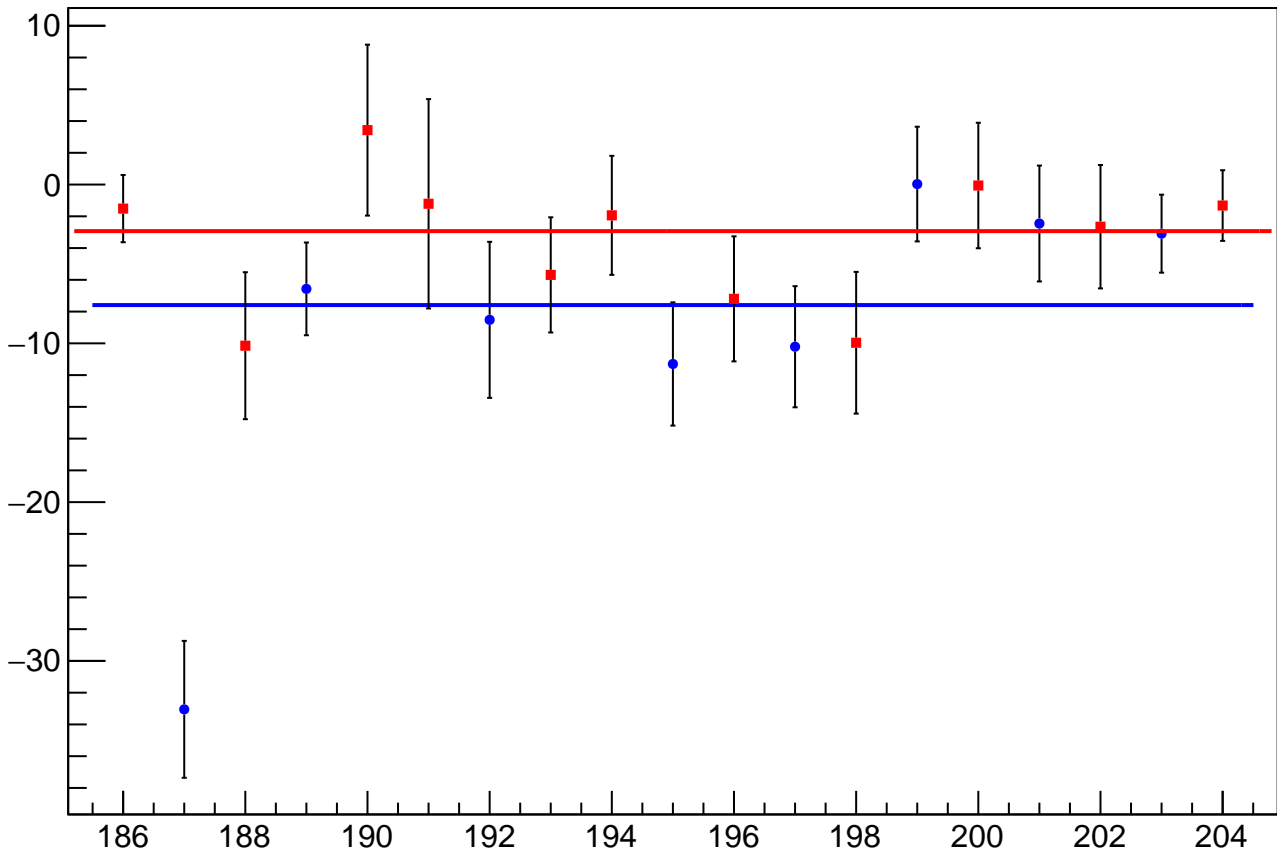
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -64.640+/-0.447  $\chi^2$ /NDF: 4154.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_3726\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-7.590 \pm 1.226$   $\chi^2/\text{NDF}: 46.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-2.933 \pm 1.042$   $\chi^2/\text{NDF}: 9.7/10$

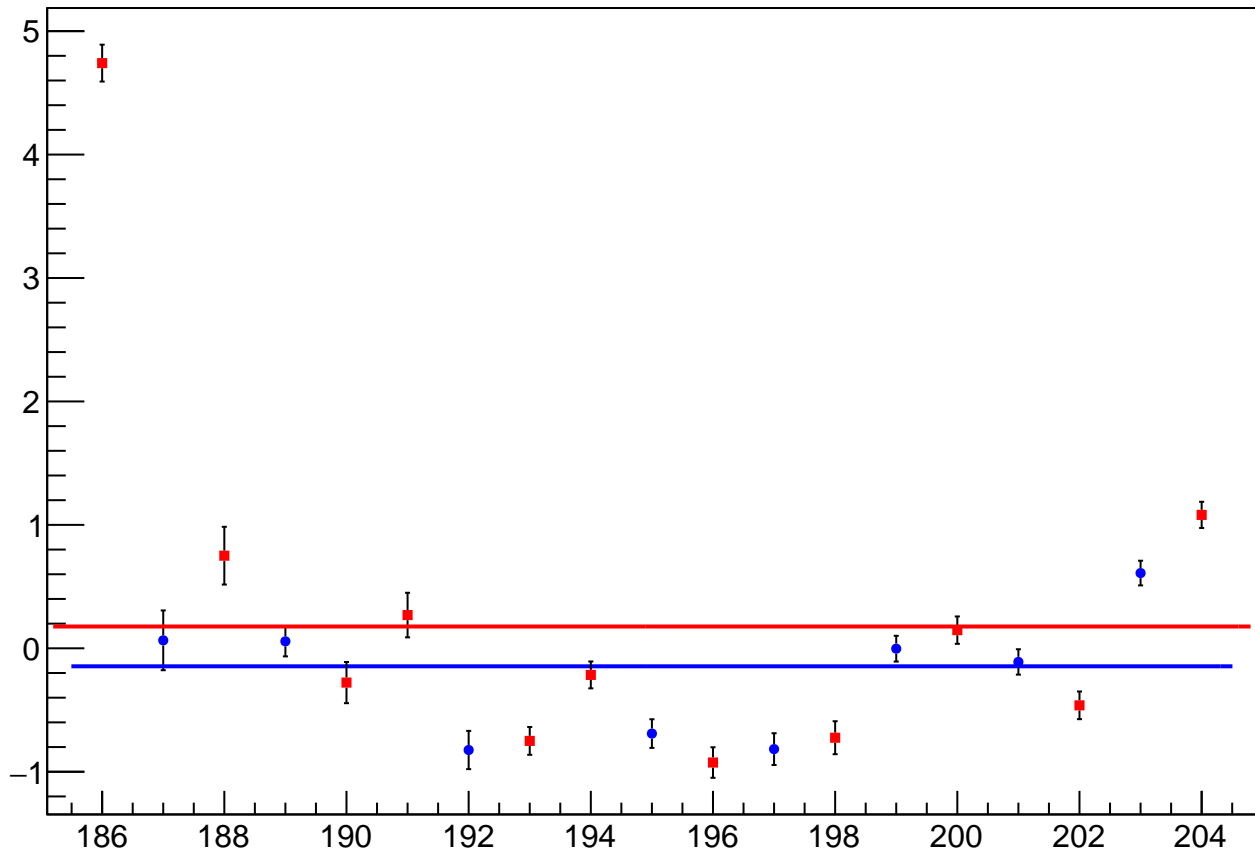
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-4.885 \pm 0.794$   $\chi^2/\text{NDF}: 64.3/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_3726\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.146 \pm 0.043$   $\chi^2/\text{NDF}: 130.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.177 \pm 0.039$   $\chi^2/\text{NDF}: 1258.0/10$

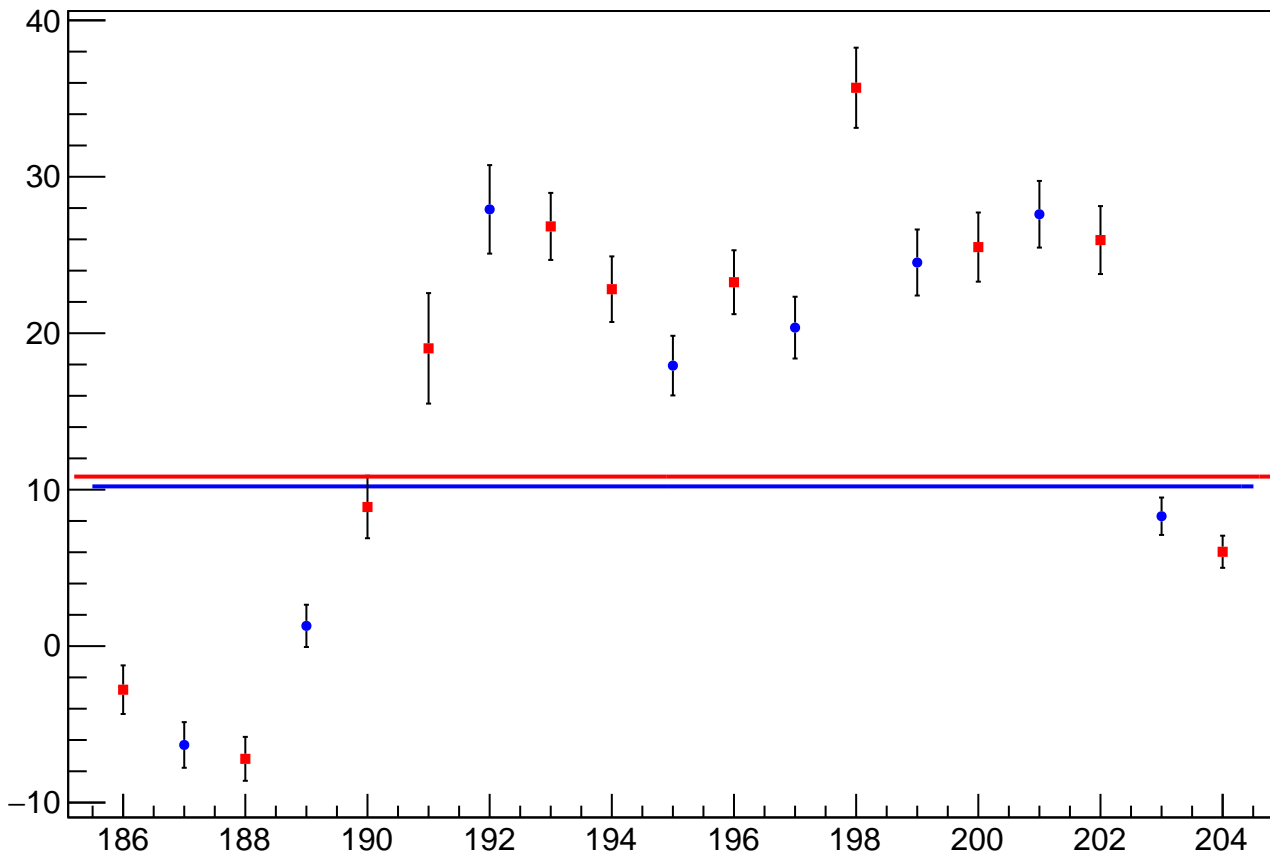
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $0.031 \pm 0.029$   $\chi^2/\text{NDF}: 1420.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_48\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 10.209+/-0.596  $\chi^2$ /NDF: 369.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 10.837+/-0.538  $\chi^2$ /NDF: 582.2/10

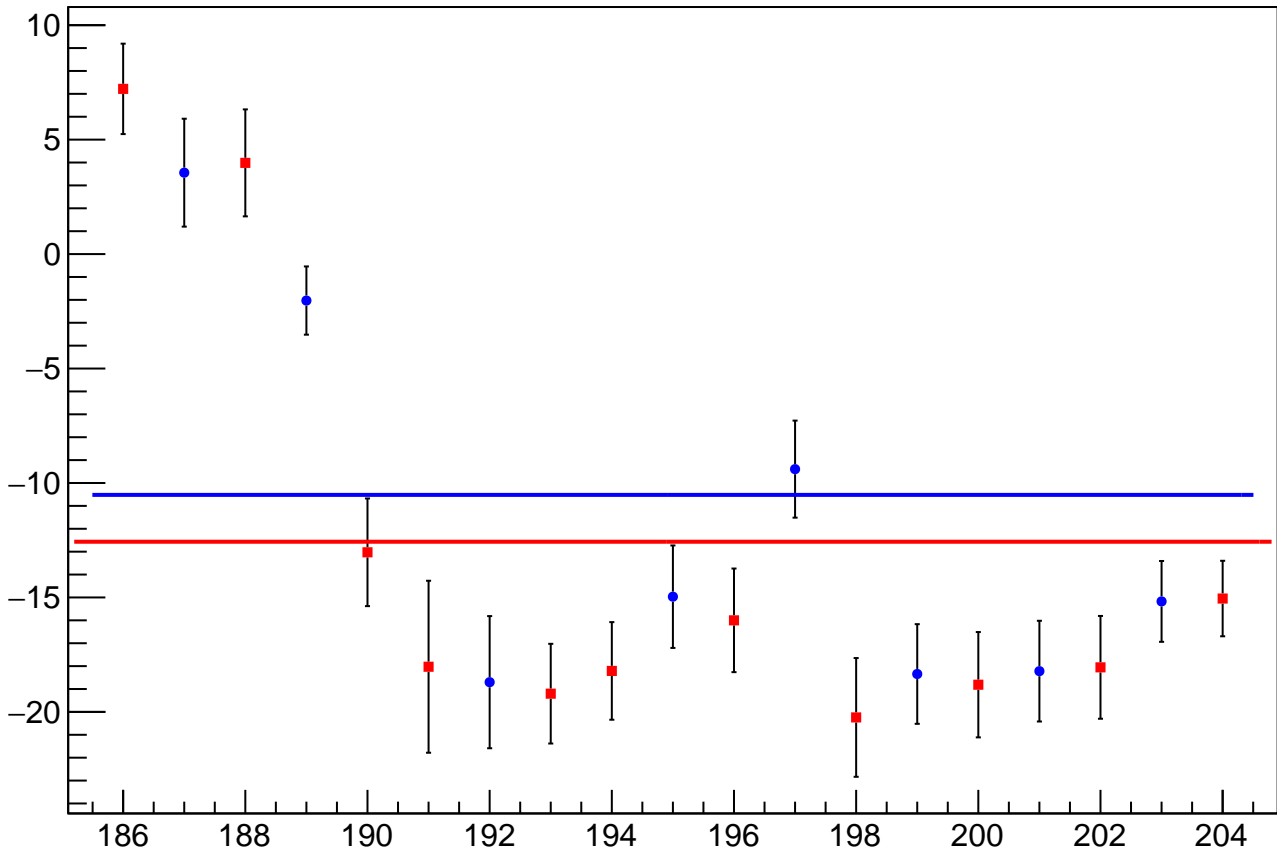
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 10.555+/-0.399  $\chi^2$ /NDF: 951.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-10.519 \pm 0.723$   $\chi^2/\text{NDF}: 112.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-12.566 \pm 0.671$   $\chi^2/\text{NDF}: 195.6/10$

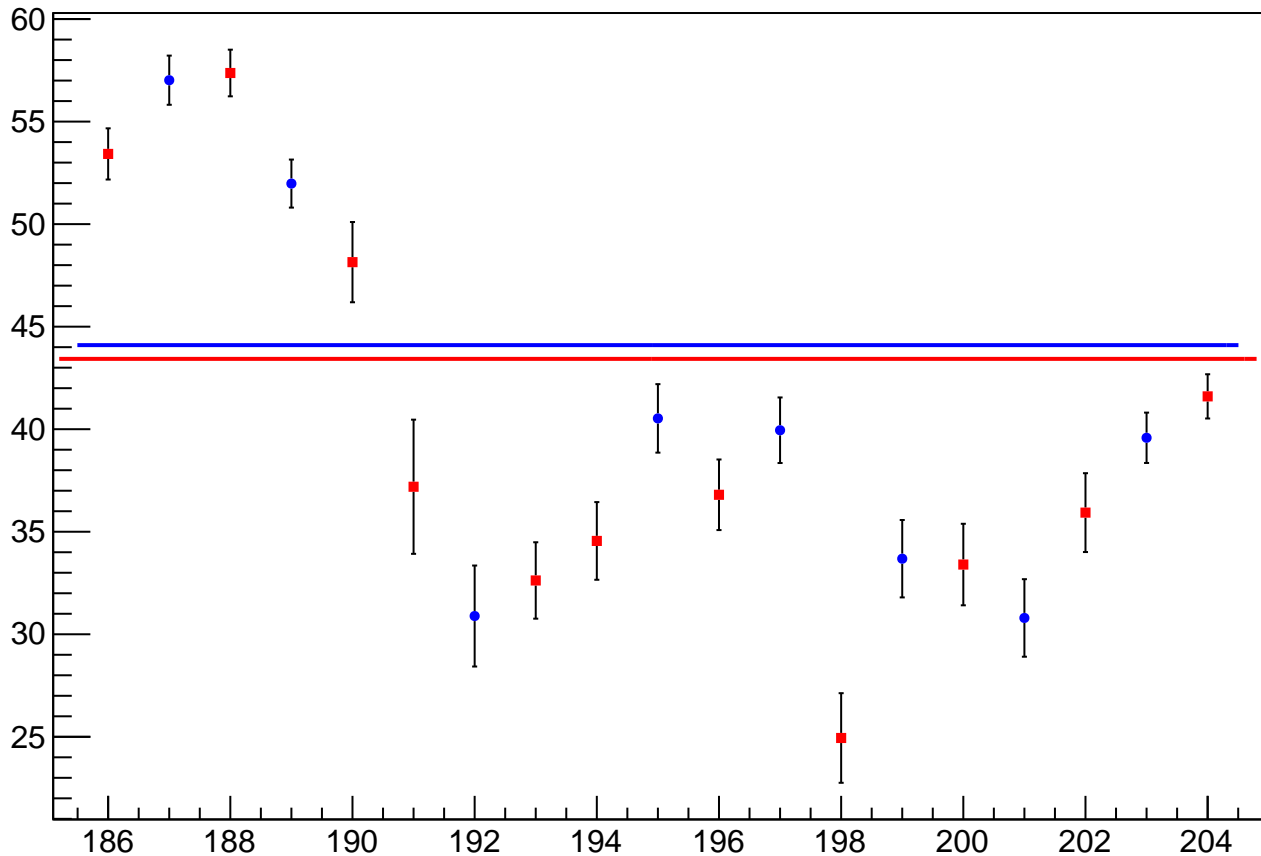
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-11.620 \pm 0.492$   $\chi^2/\text{NDF}: 312.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 44.100+/-0.530  $\chi^2$ /NDF: 295.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 43.430+/-0.484  $\chi^2$ /NDF: 409.3/10

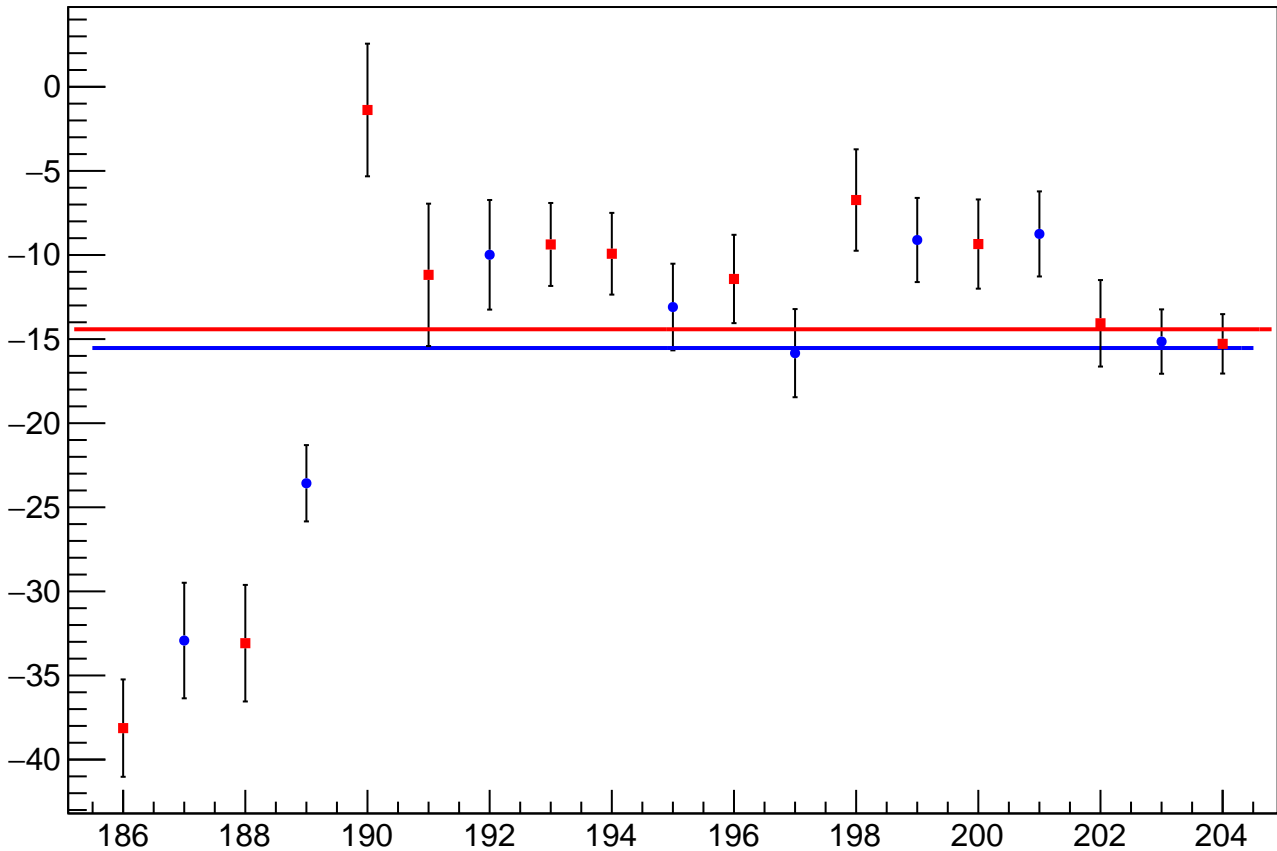
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 43.735+/-0.357  $\chi^2$ /NDF: 705.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-15.531 \pm 0.891$   $\chi^2/\text{NDF}: 55.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-14.416 \pm 0.810$   $\chi^2/\text{NDF}: 126.9/10$

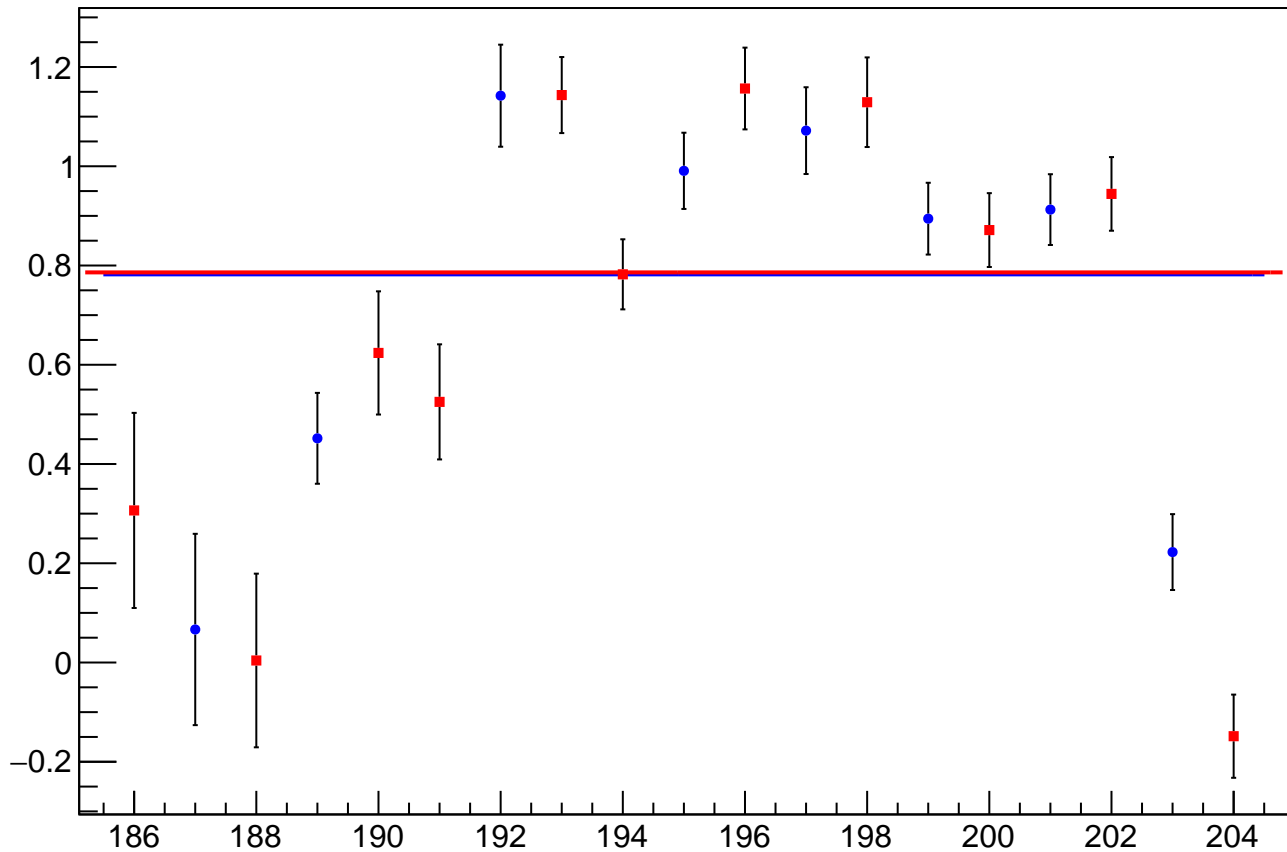
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-14.920 \pm 0.599$   $\chi^2/\text{NDF}: 183.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.782 $\pm$ 0.030  $\chi^2$ /NDF: 116.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.786 $\pm$ 0.027  $\chi^2$ /NDF: 219.3/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

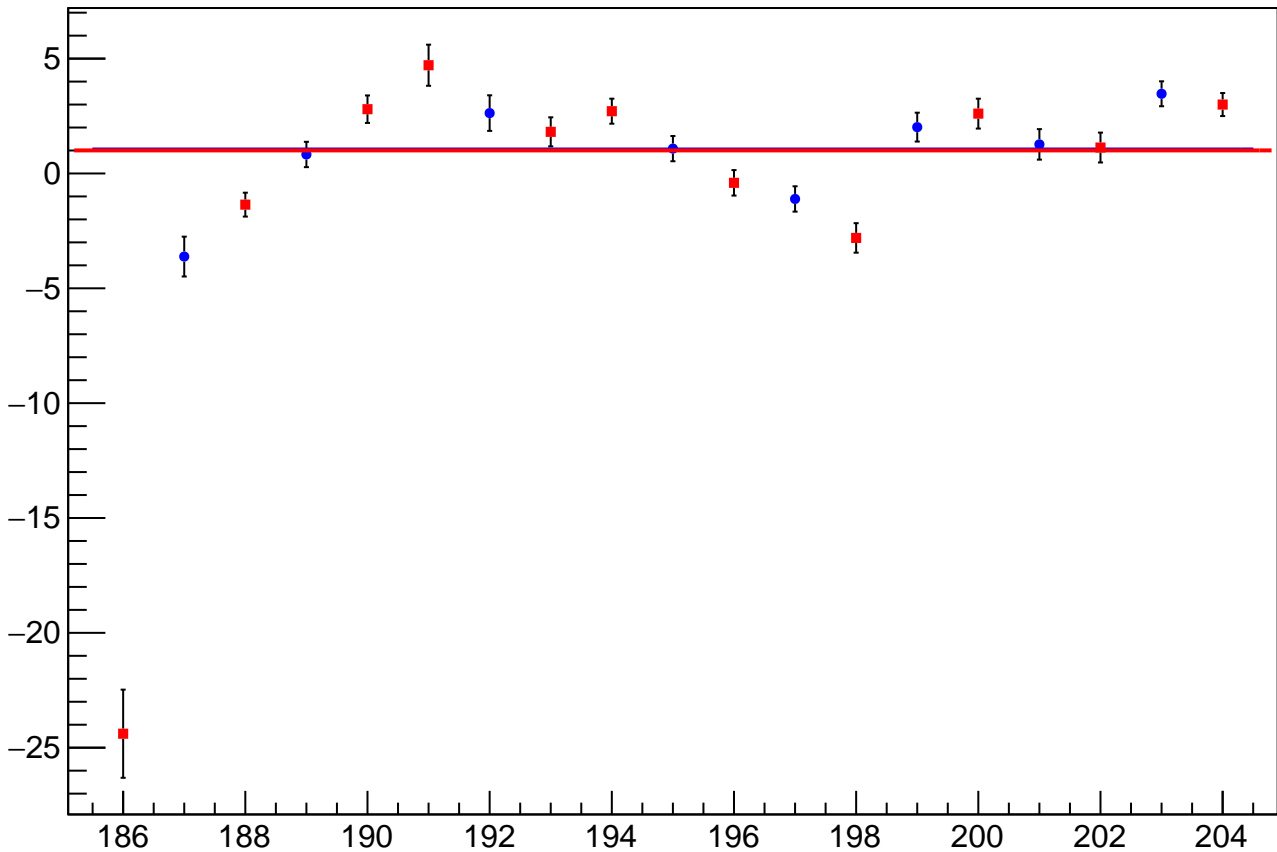
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.784 $\pm$ 0.020  $\chi^2$ /NDF: 336.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam\_37\_48\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 1.043+/-0.218  $\chi^2$ /NDF: 70.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.004+/-0.188  $\chi^2$ /NDF: 296.9/10

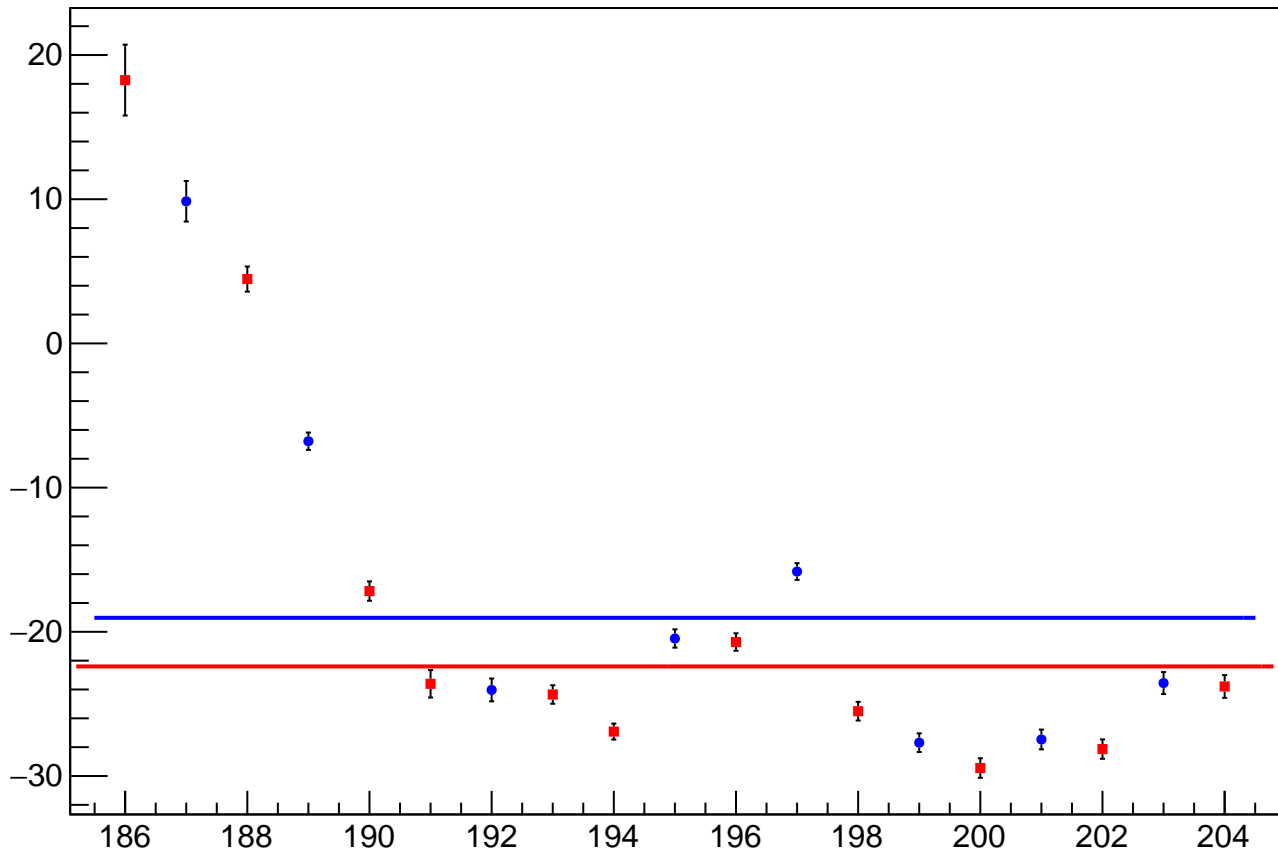
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 1.021+/-0.142  $\chi^2$ /NDF: 367.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-19.029 \pm 0.246$   $\chi^2/\text{NDF}: 1276.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-22.400 \pm 0.215$   $\chi^2/\text{NDF}: 1579.3/10$

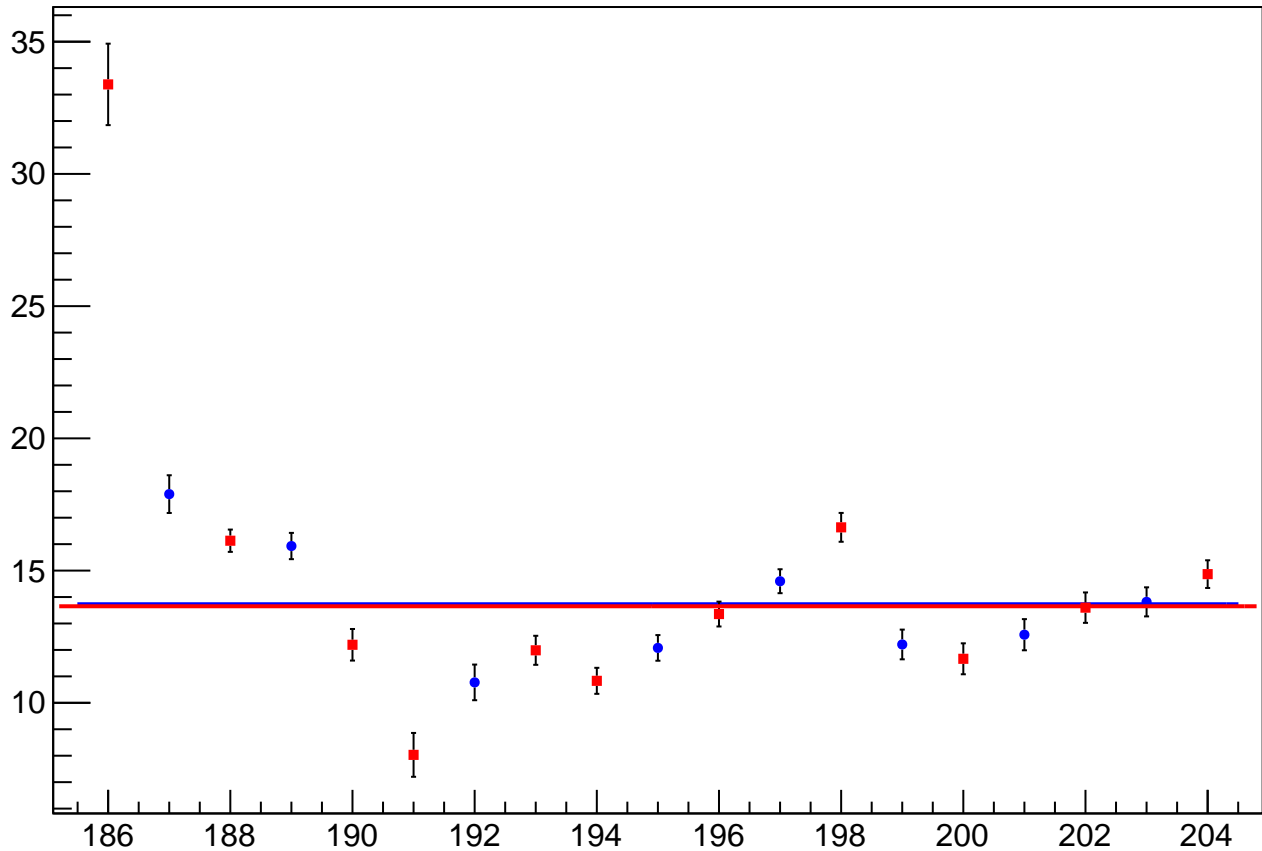
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-20.938 \pm 0.162$   $\chi^2/\text{NDF}: 2962.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 13.727 $\pm$ 0.194  $\chi^2$ /NDF: 99.4/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.651 $\pm$ 0.168  $\chi^2$ /NDF: 339.9/10

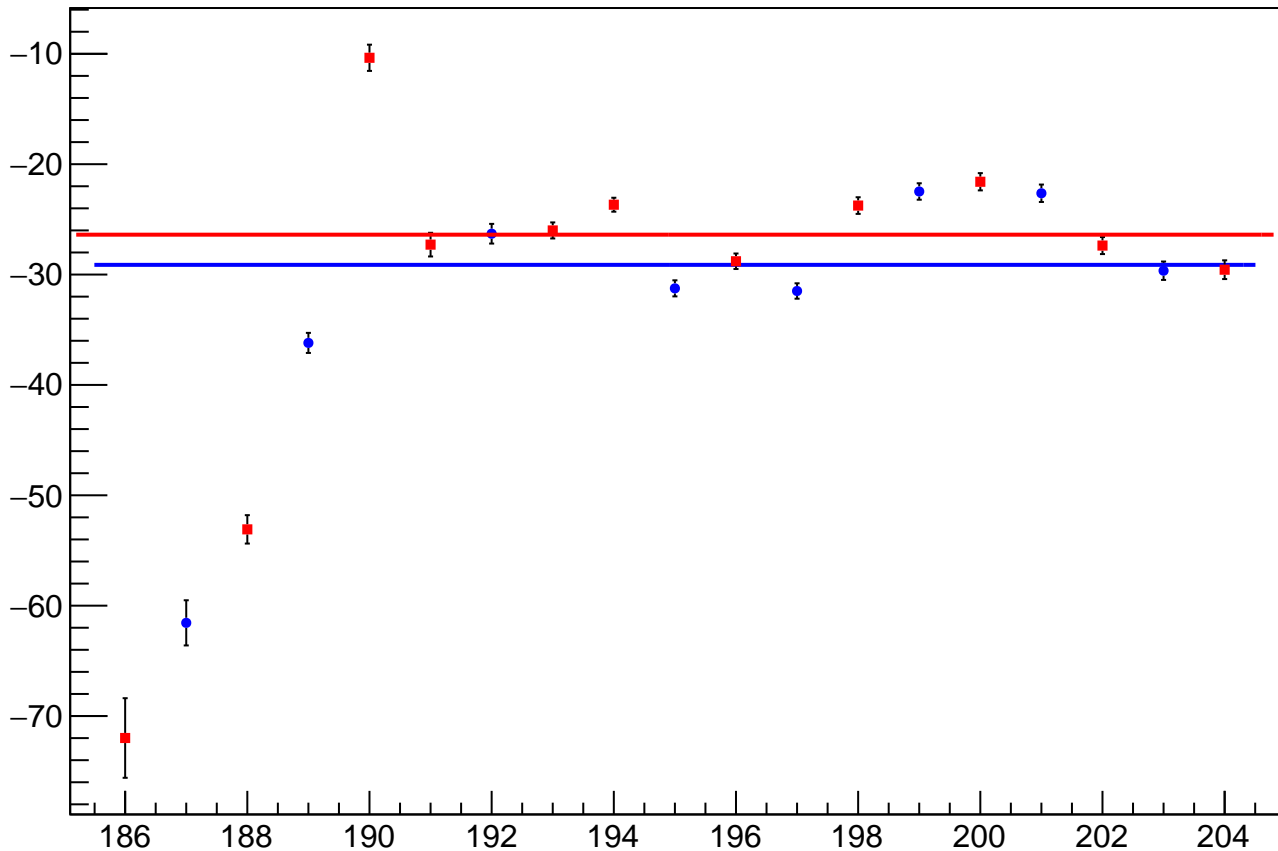
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 13.684 $\pm$ 0.127  $\chi^2$ /NDF: 439.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-29.121 \pm 0.295$   $\chi^2/\text{NDF}: 489.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-26.387 \pm 0.257$   $\chi^2/\text{NDF}: 869.2/10$

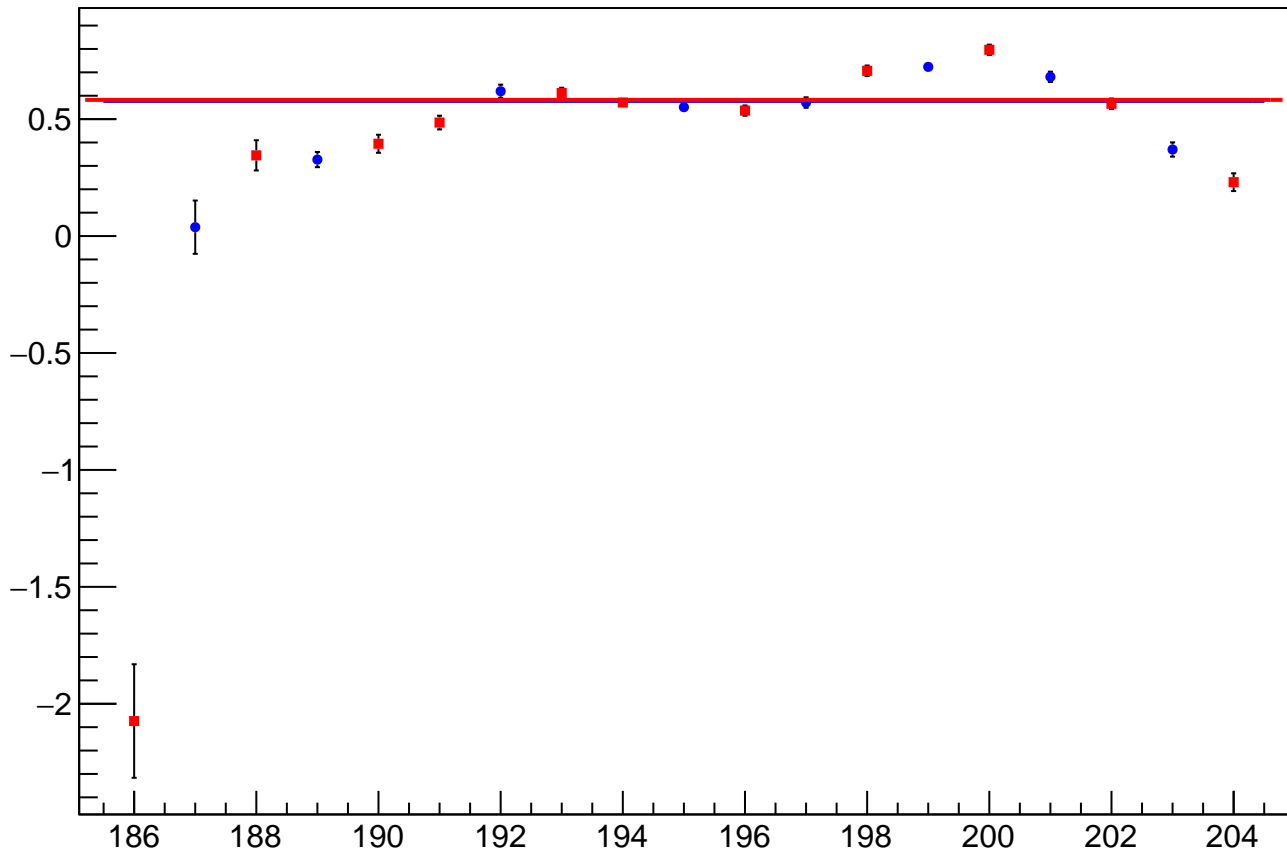
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-27.566 \pm 0.194$   $\chi^2/\text{NDF}: 1407.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_37\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.578 $\pm$ 0.009  $\chi^2$ /NDF: 198.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.582 $\pm$ 0.008  $\chi^2$ /NDF: 386.0/10

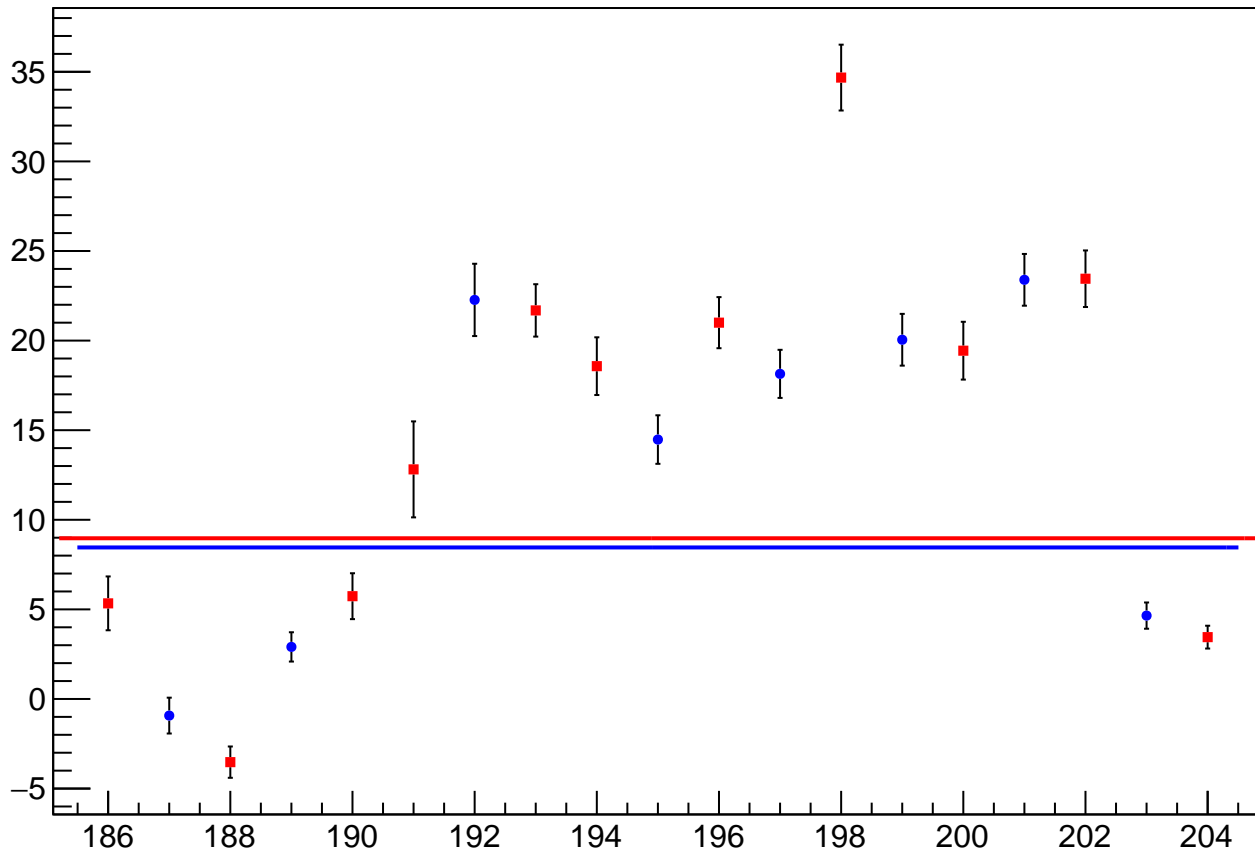
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.580 $\pm$ 0.006  $\chi^2$ /NDF: 585.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_26\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 8.456+/-0.387  $\chi^2$ /NDF: 451.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.968+/-0.368  $\chi^2$ /NDF: 798.5/10

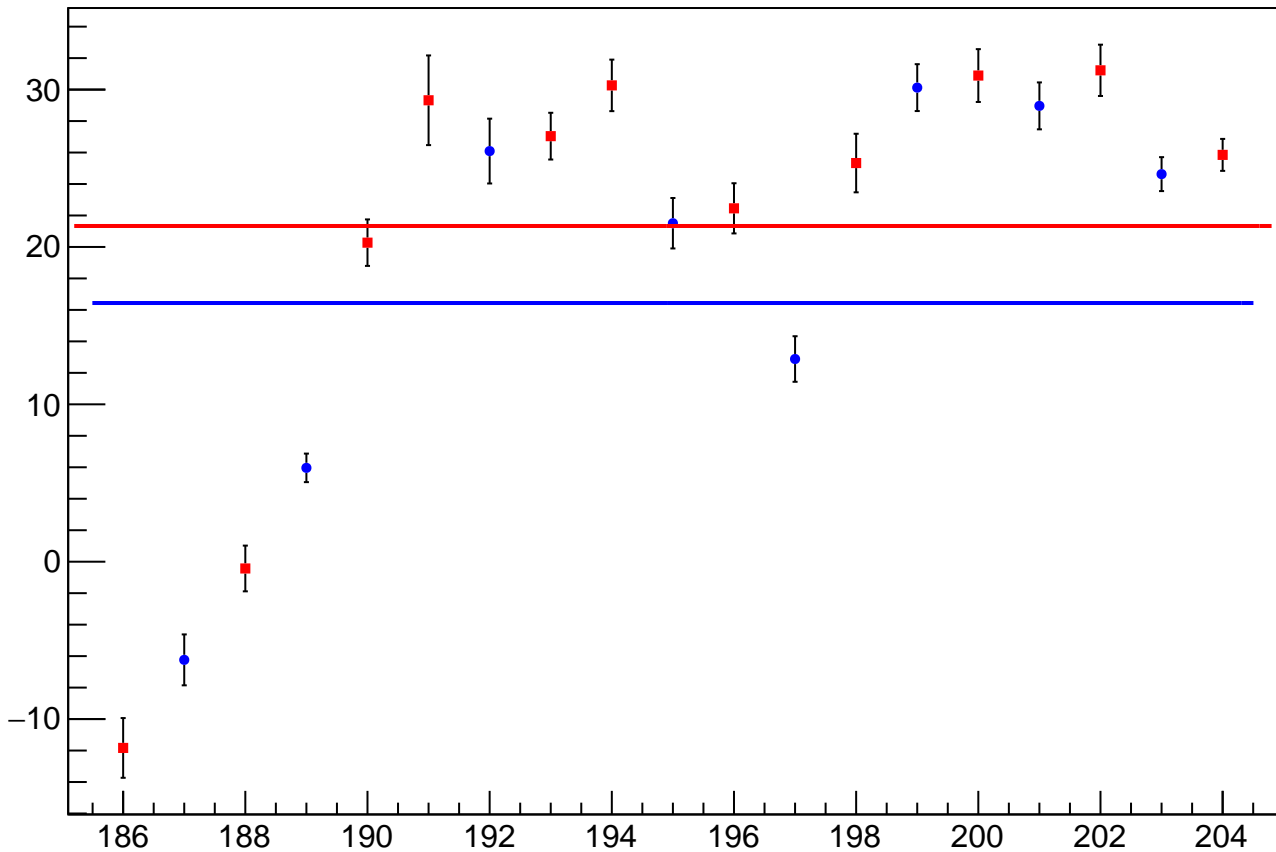
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 8.726+/-0.267  $\chi^2$ /NDF: 1250.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 16.438 $\pm$ 0.473  $\chi^2$ /NDF: 580.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 21.333 $\pm$ 0.469  $\chi^2$ /NDF: 676.7/10

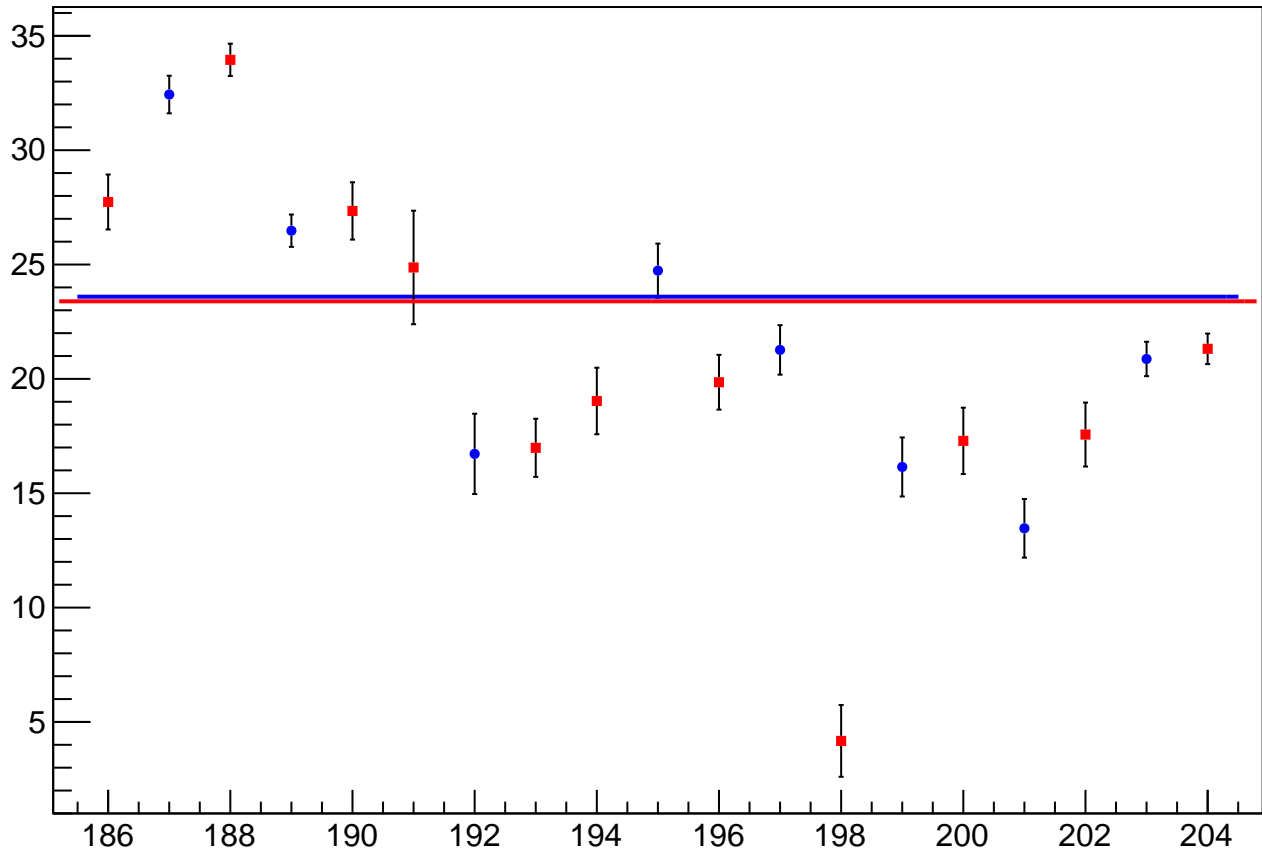
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 18.908 $\pm$ 0.333  $\chi^2$ /NDF: 1311.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 23.594+/-0.346  $\chi^2$ /NDF: 262.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 23.392+/-0.335  $\chi^2$ /NDF: 483.8/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

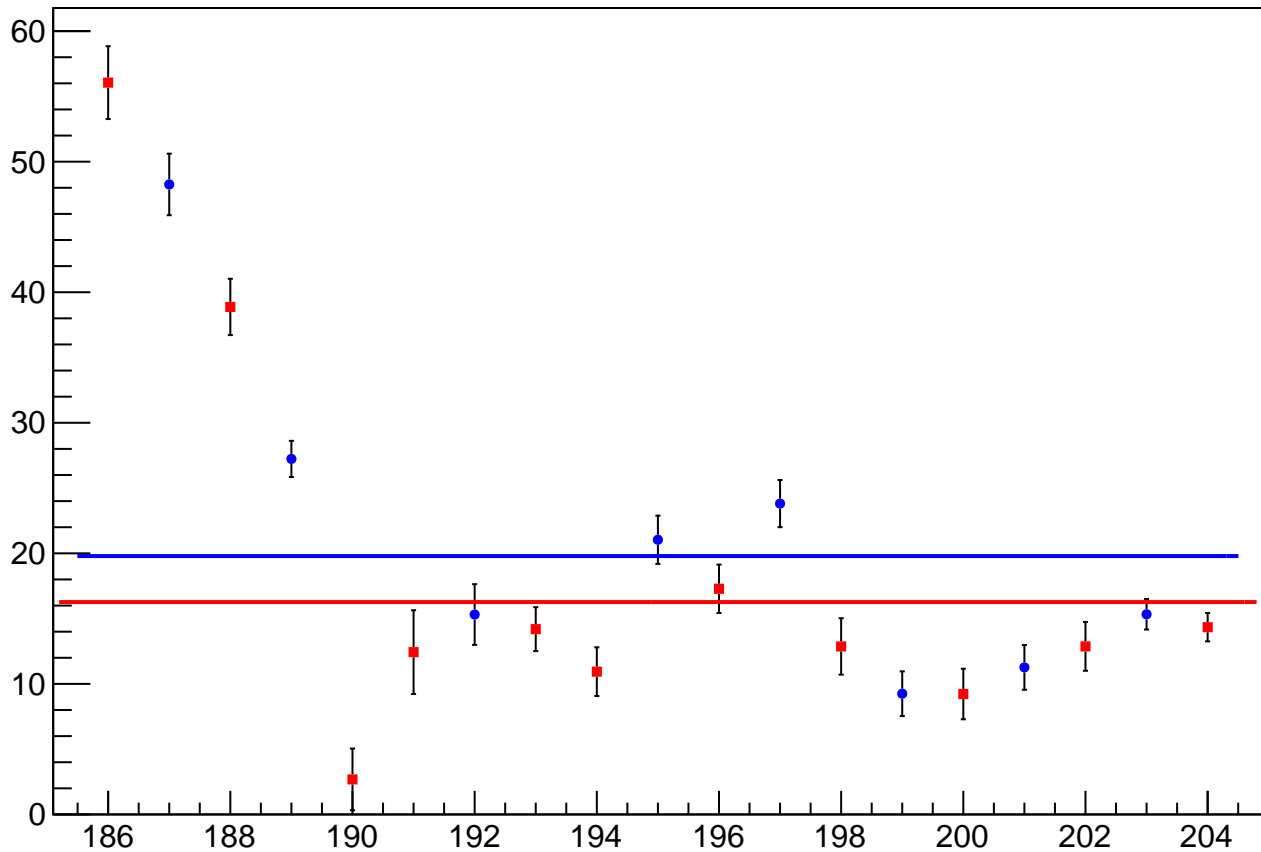
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 23.490+/-0.241  $\chi^2$ /NDF: 745.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 19.792 $\pm$ 0.587  $\chi^2$ /NDF: 260.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 16.269 $\pm$ 0.562  $\chi^2$ /NDF: 379.9/10

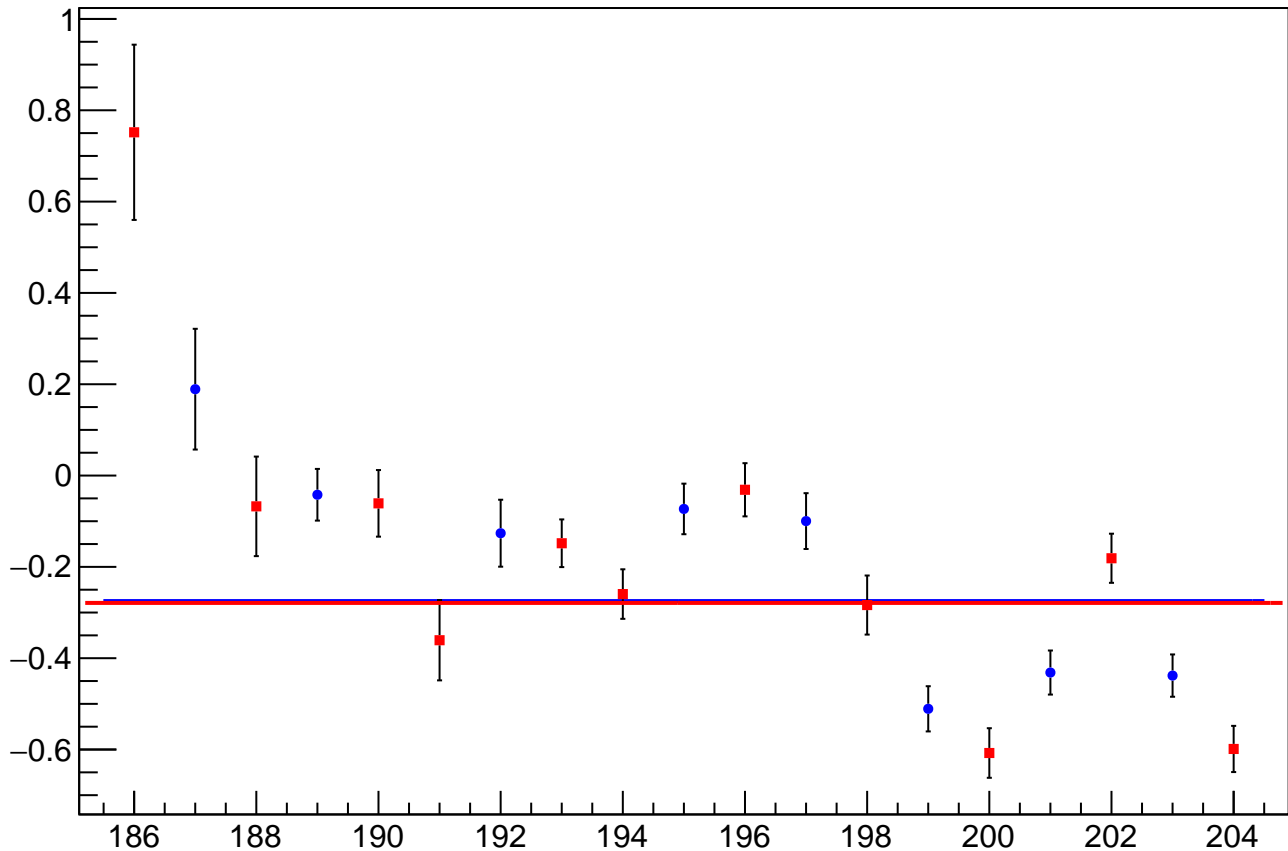
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.954 $\pm$ 0.406  $\chi^2$ /NDF: 659.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_26\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.275 \pm 0.020$   $\chi^2/\text{NDF}: 100.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.279 \pm 0.019$   $\chi^2/\text{NDF}: 146.8/10$

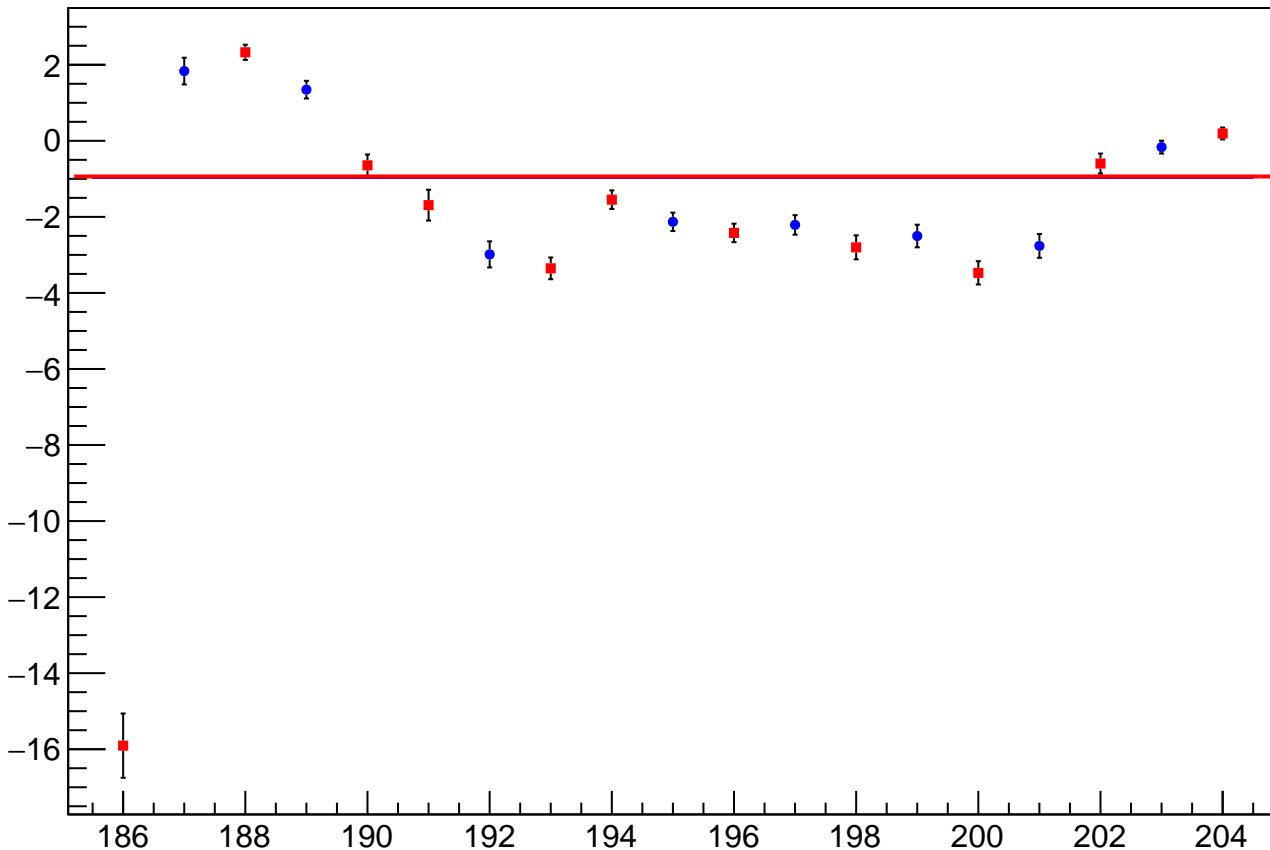
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.277 \pm 0.014$   $\chi^2/\text{NDF}: 247.3/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_37\_26\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-0.950 \pm 0.090$   $\chi^2/\text{NDF}: 326.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.938 \pm 0.077$   $\chi^2/\text{NDF}: 855.9/10$

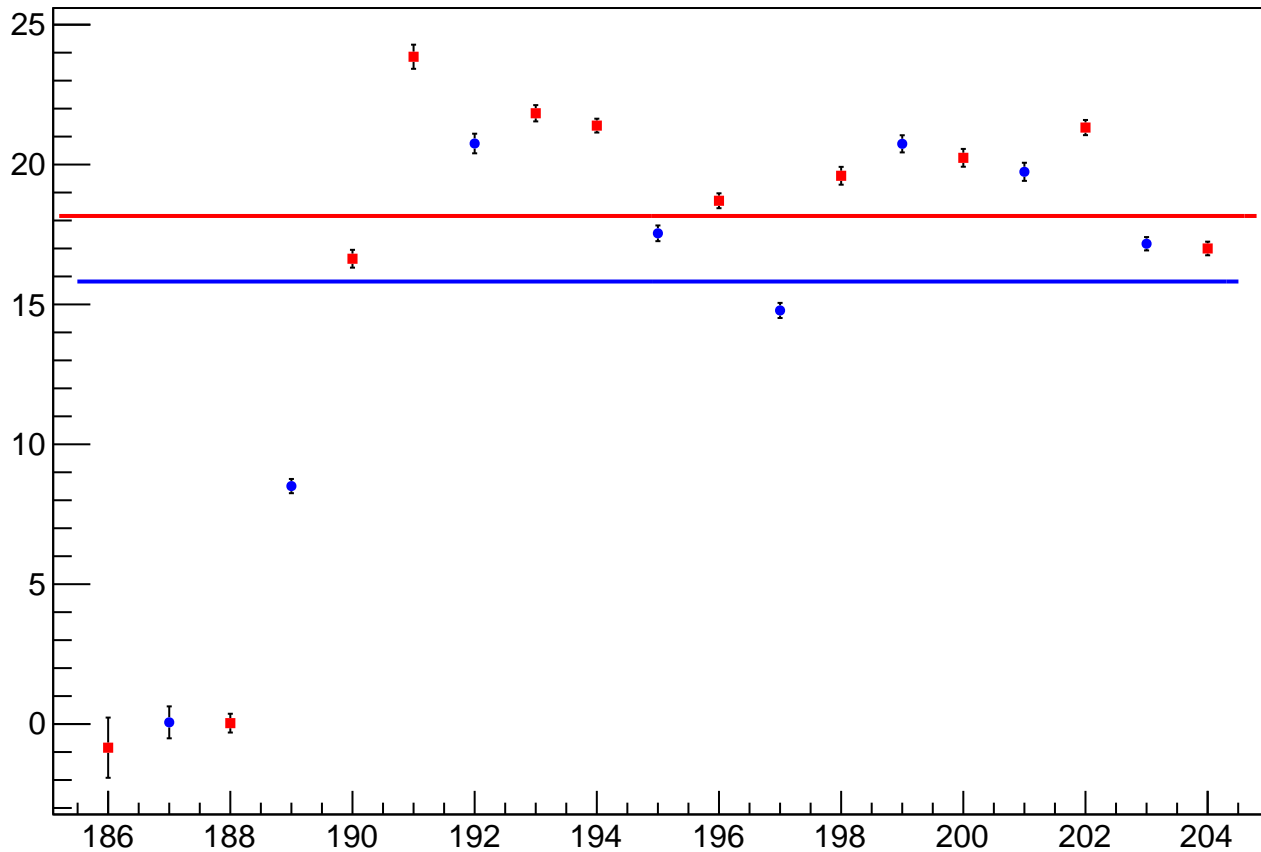
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.943 \pm 0.059$   $\chi^2/\text{NDF}: 1182.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 15.819+/-0.105  $\chi^2$ /NDF: 2274.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 18.162+/-0.092  $\chi^2$ /NDF: 3980.8/10

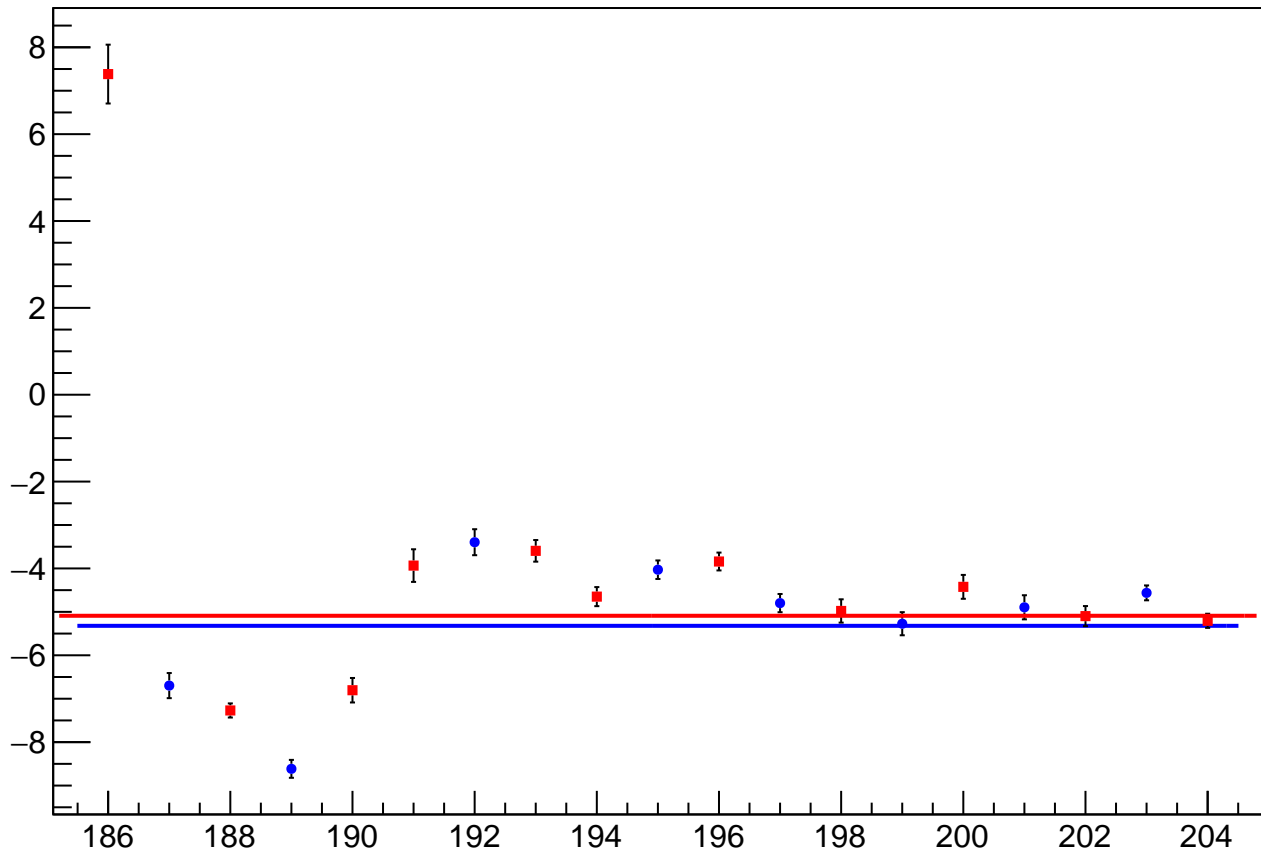
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 17.140+/-0.069  $\chi^2$ /NDF: 6536.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-5.322 \pm 0.081$   $\chi^2/\text{NDF}$ : 383.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-5.090 \pm 0.070$   $\chi^2/\text{NDF}$ : 649.1/10

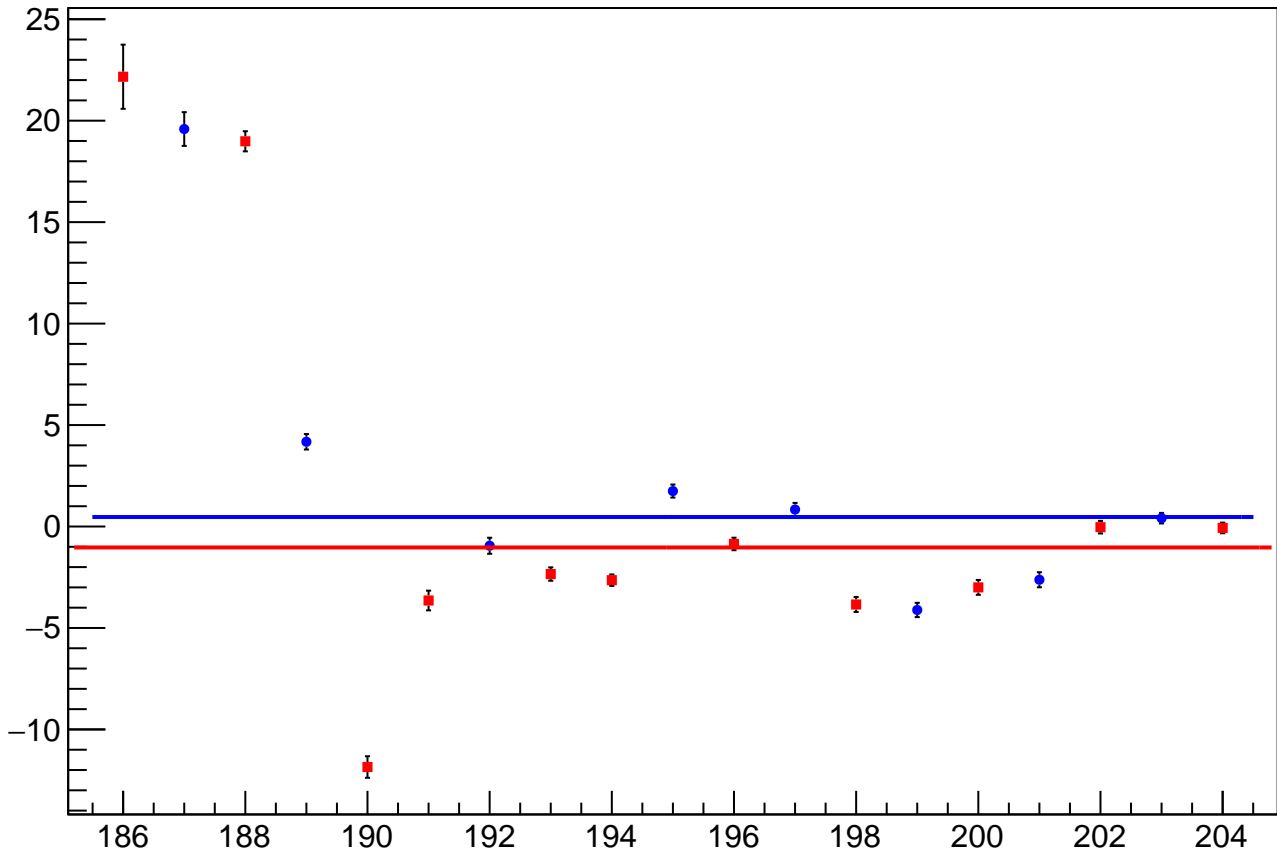
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-5.189 \pm 0.053$   $\chi^2/\text{NDF}$ : 1037.5/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 0.468 $\pm$ 0.125  $\chi^2$ /NDF: 891.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.032 $\pm$ 0.109  $\chi^2$ /NDF: 2445.4/10

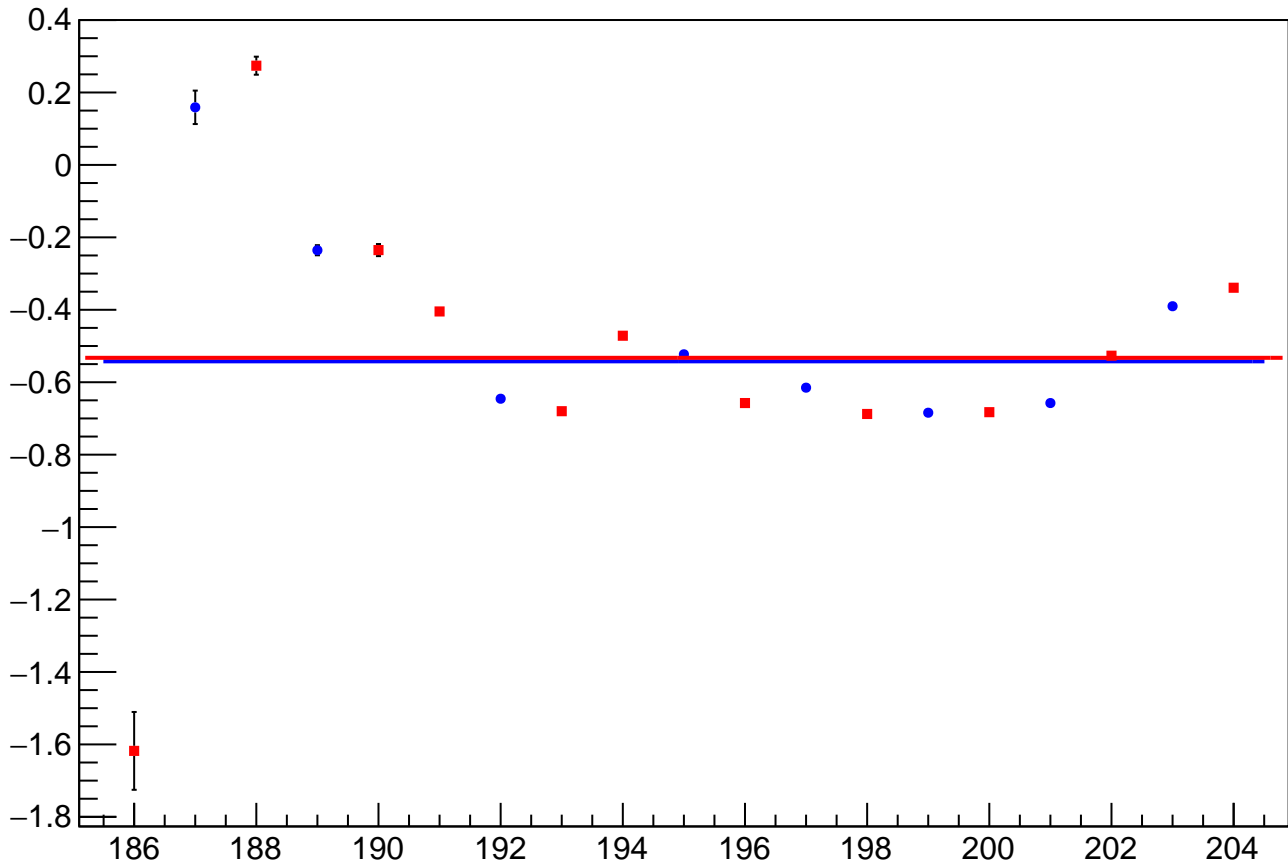
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.385 $\pm$ 0.082  $\chi^2$ /NDF: 3418.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_26\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.542 \pm 0.004$   $\chi^2/\text{NDF}: 1395.6/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.533 \pm 0.003$   $\chi^2/\text{NDF}: 2680.1/10$

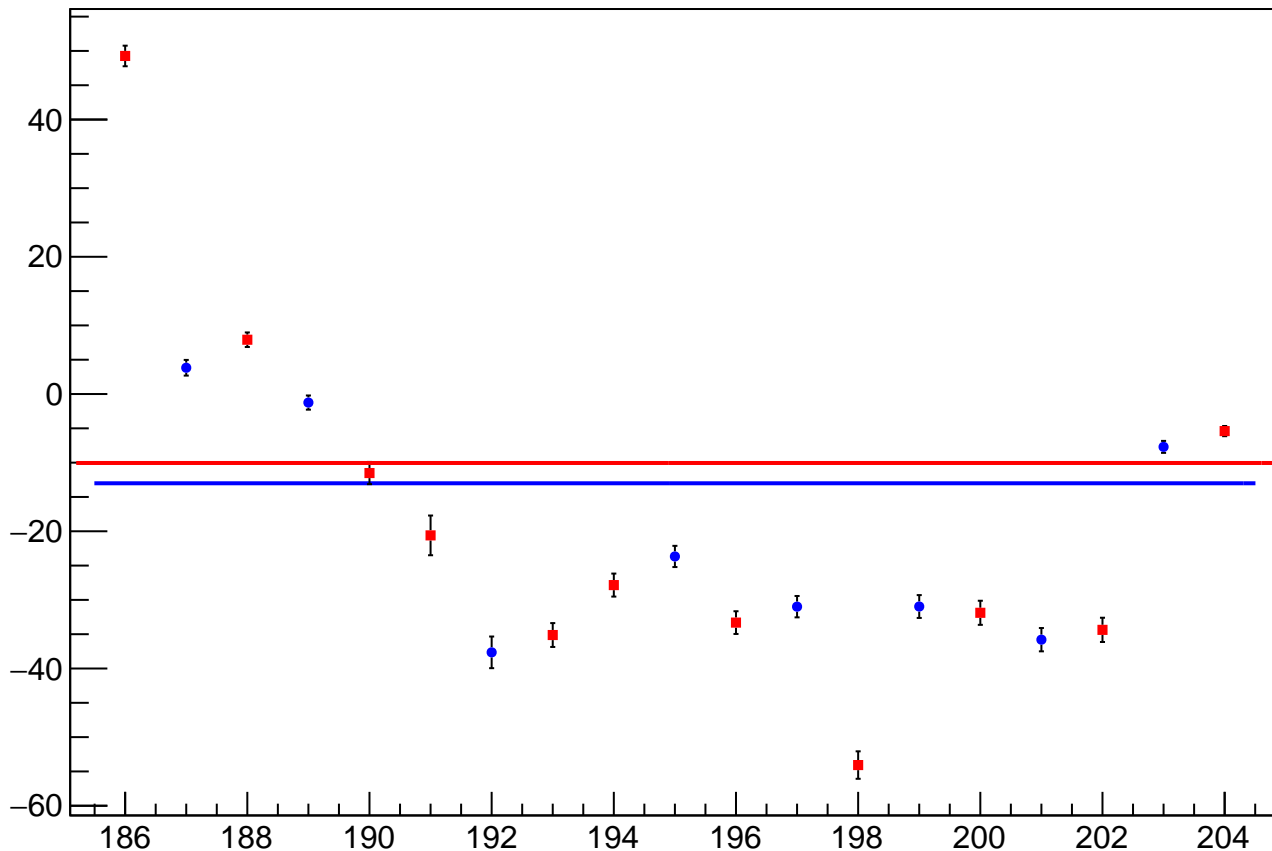
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.537 \pm 0.003$   $\chi^2/\text{NDF}: 4079.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_1357\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-13.006 \pm 0.459$   $\chi^2/\text{NDF}: 975.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-10.049 \pm 0.423$   $\chi^2/\text{NDF}: 3249.8/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

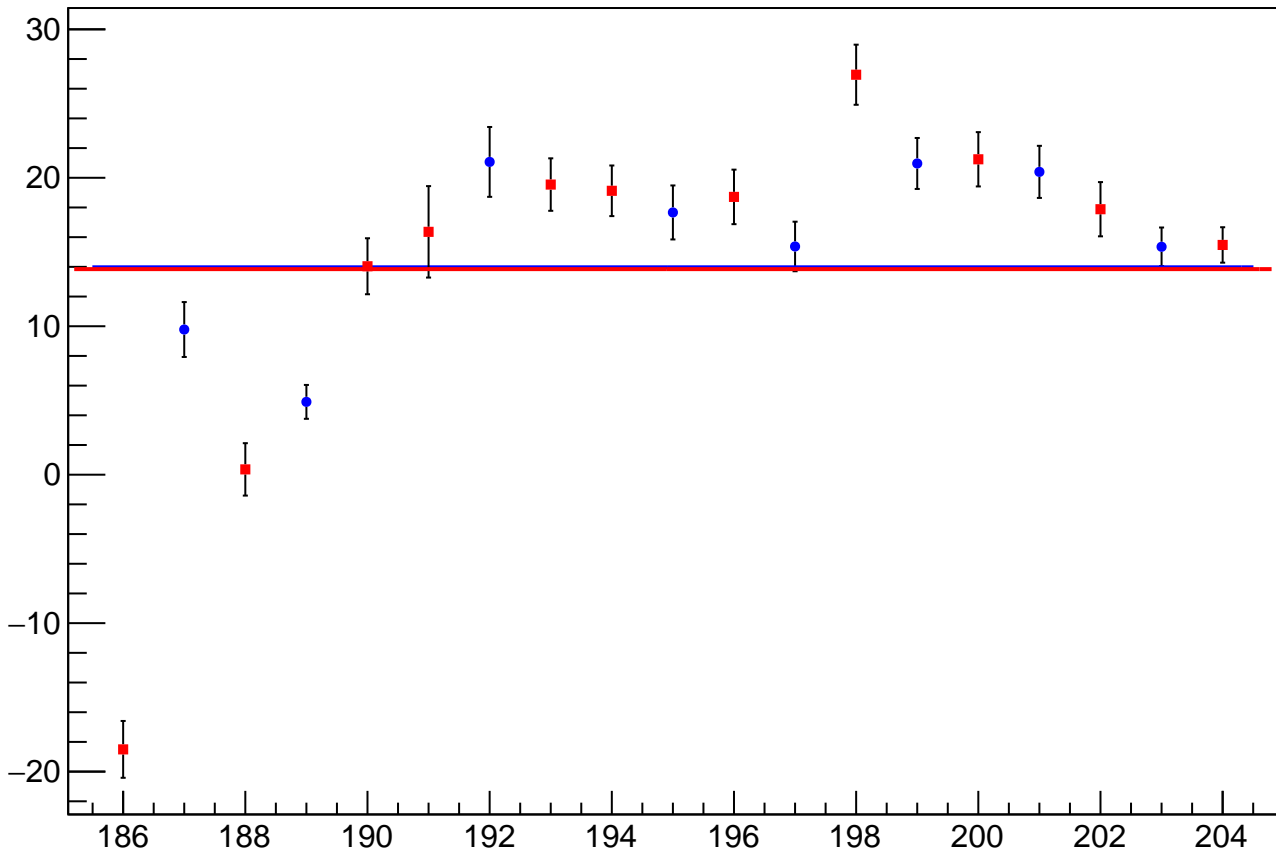
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-11.406 \pm 0.311$   $\chi^2/\text{NDF}: 4247.3/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 13.969 $\pm$ 0.563  $\chi^2$ /NDF: 113.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.848 $\pm$ 0.536  $\chi^2$ /NDF: 436.6/10

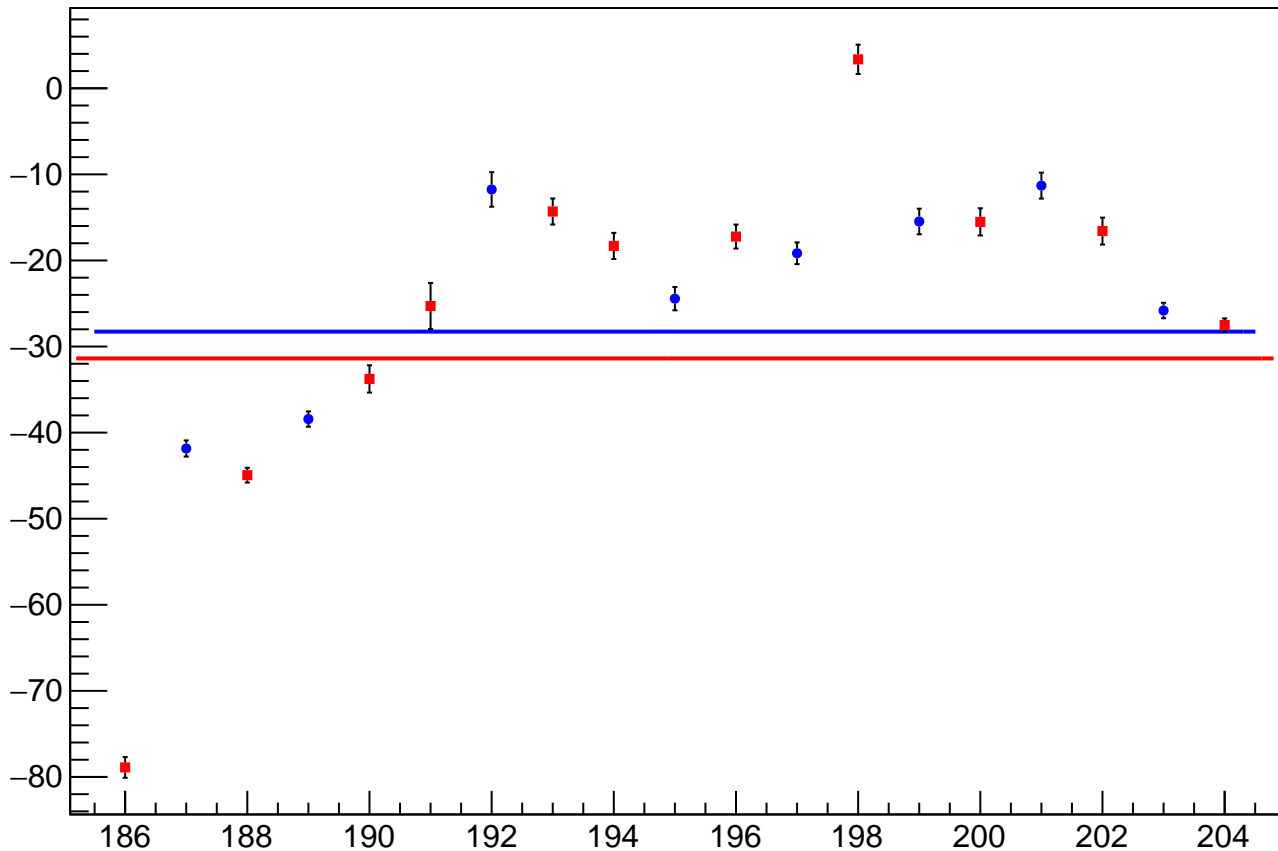
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 13.905 $\pm$ 0.388  $\chi^2$ /NDF: 549.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-28.267 \pm 0.410$   $\chi^2/\text{NDF}: 674.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-31.384 \pm 0.384$   $\chi^2/\text{NDF}: 2745.4/10$

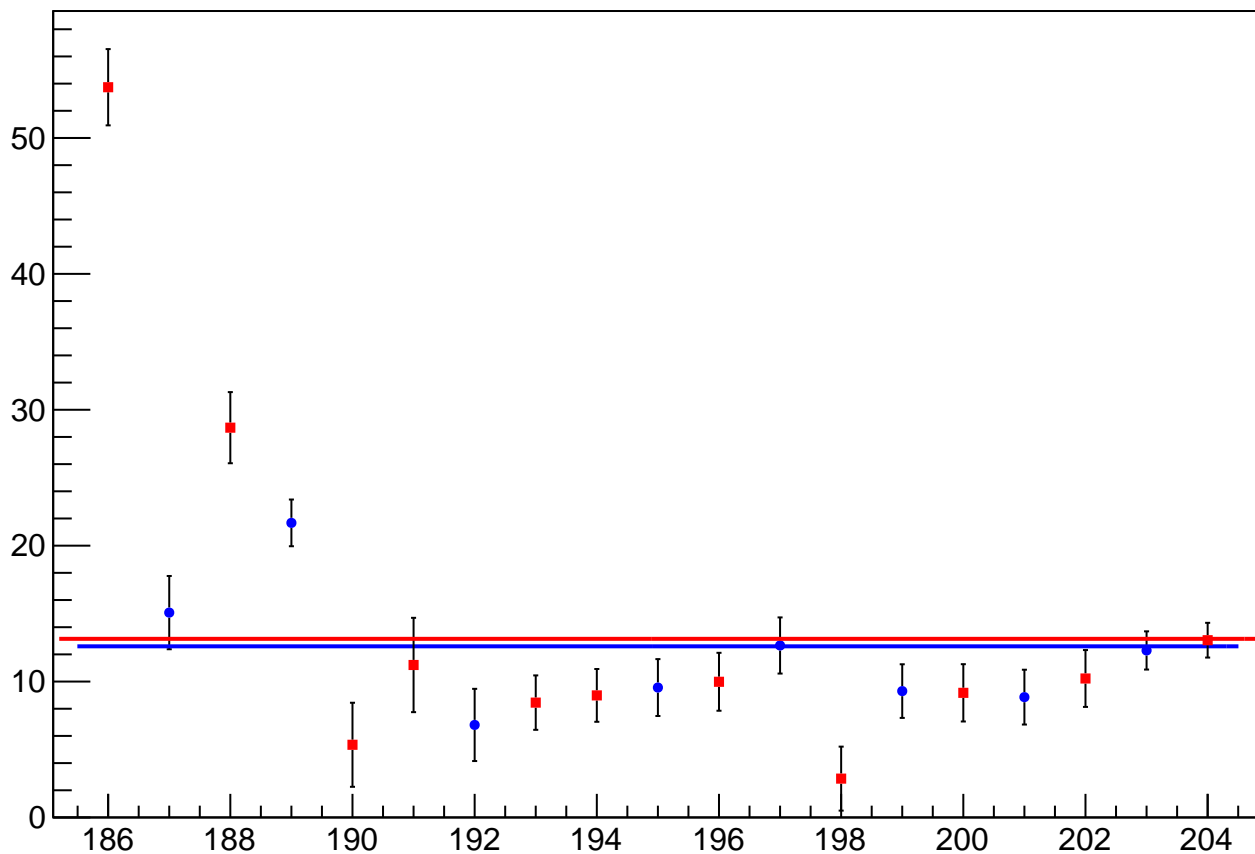
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-29.925 \pm 0.280$   $\chi^2/\text{NDF}: 3451.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 12.593+/-0.692  $\chi^2$ /NDF: 41.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.144+/-0.640  $\chi^2$ /NDF: 288.0/10

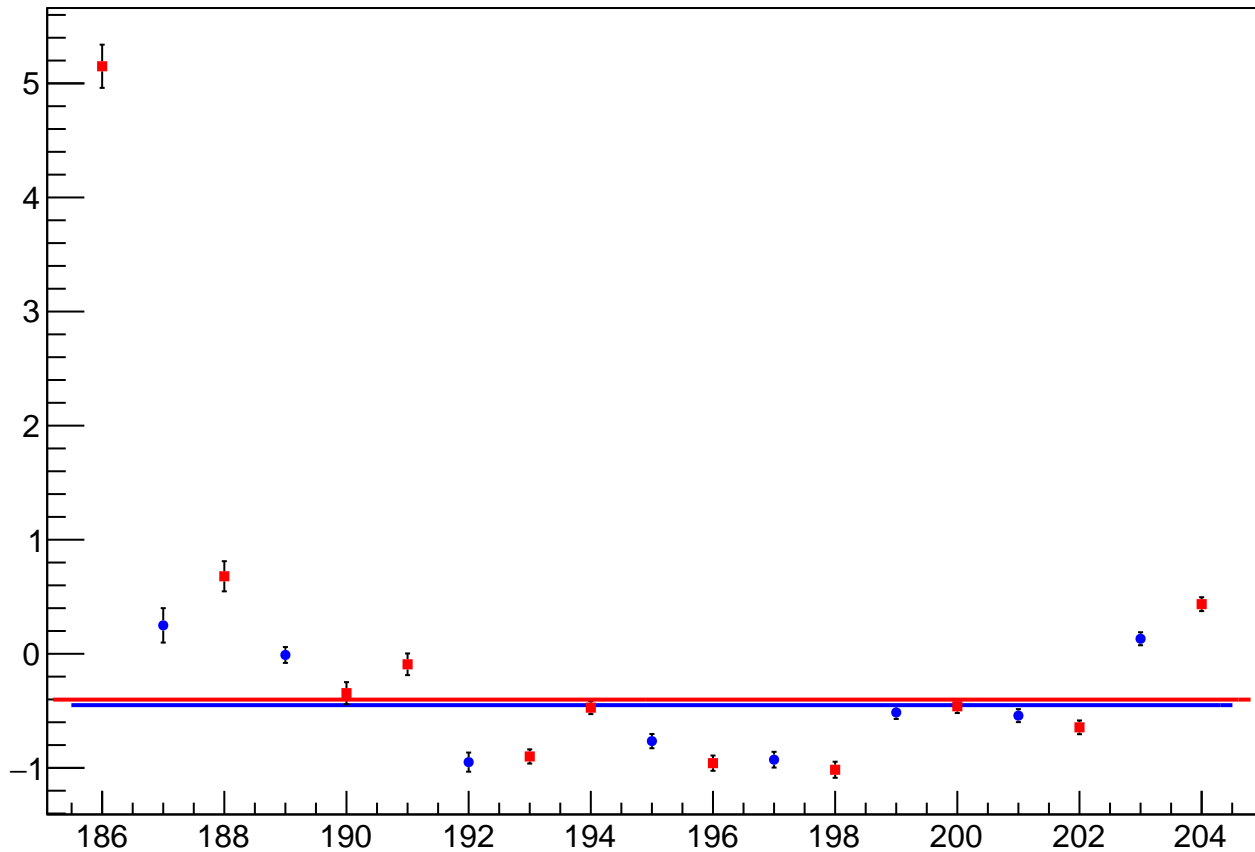
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 12.890+/-0.470  $\chi^2$ /NDF: 330.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.450 \pm 0.024$   $\chi^2/\text{NDF}: 278.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.401 \pm 0.022$   $\chi^2/\text{NDF}: 1353.9/10$

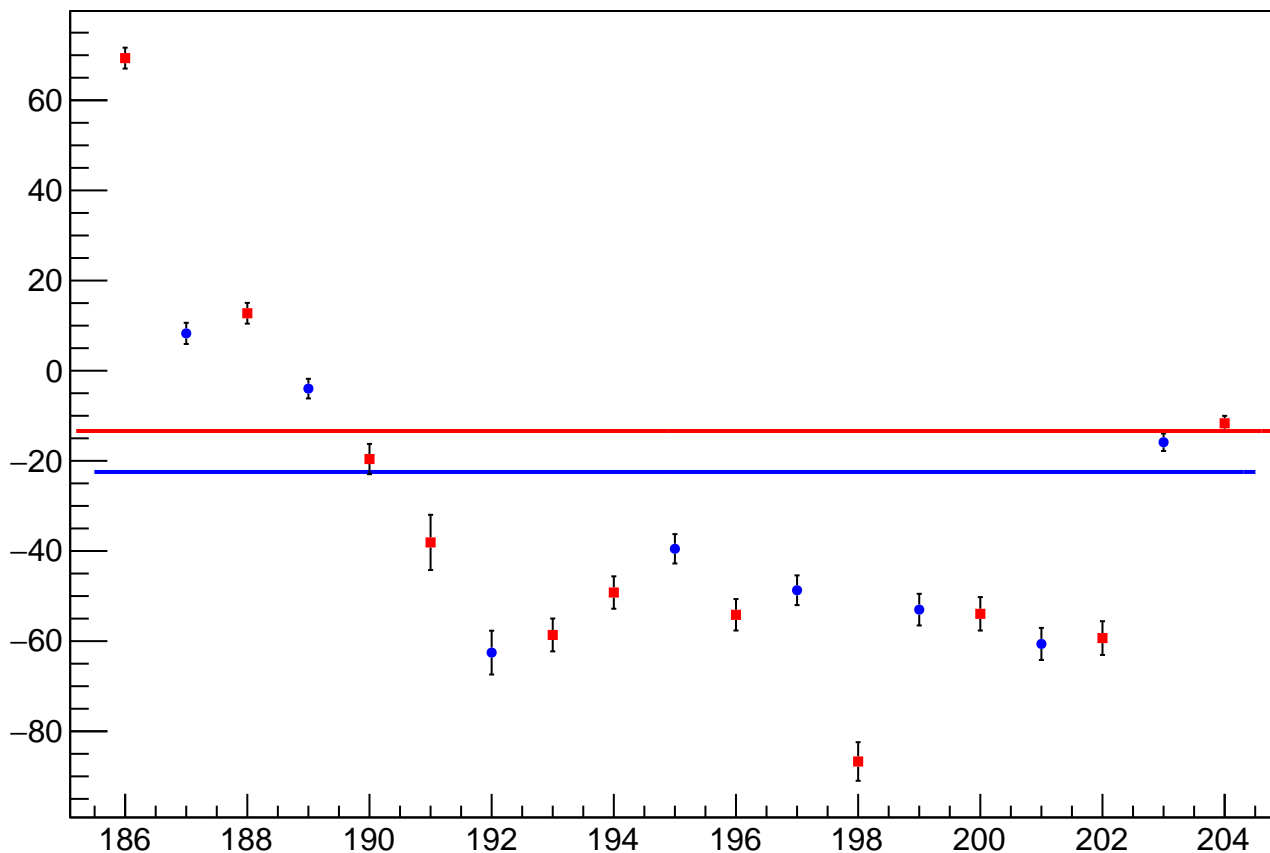
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.424 \pm 0.016$   $\chi^2/\text{NDF}: 1634.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_2468\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-22.463 \pm 0.978$   $\chi^2/\text{NDF}: 604.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-13.374 \pm 0.881$   $\chi^2/\text{NDF}: 2377.7/10$

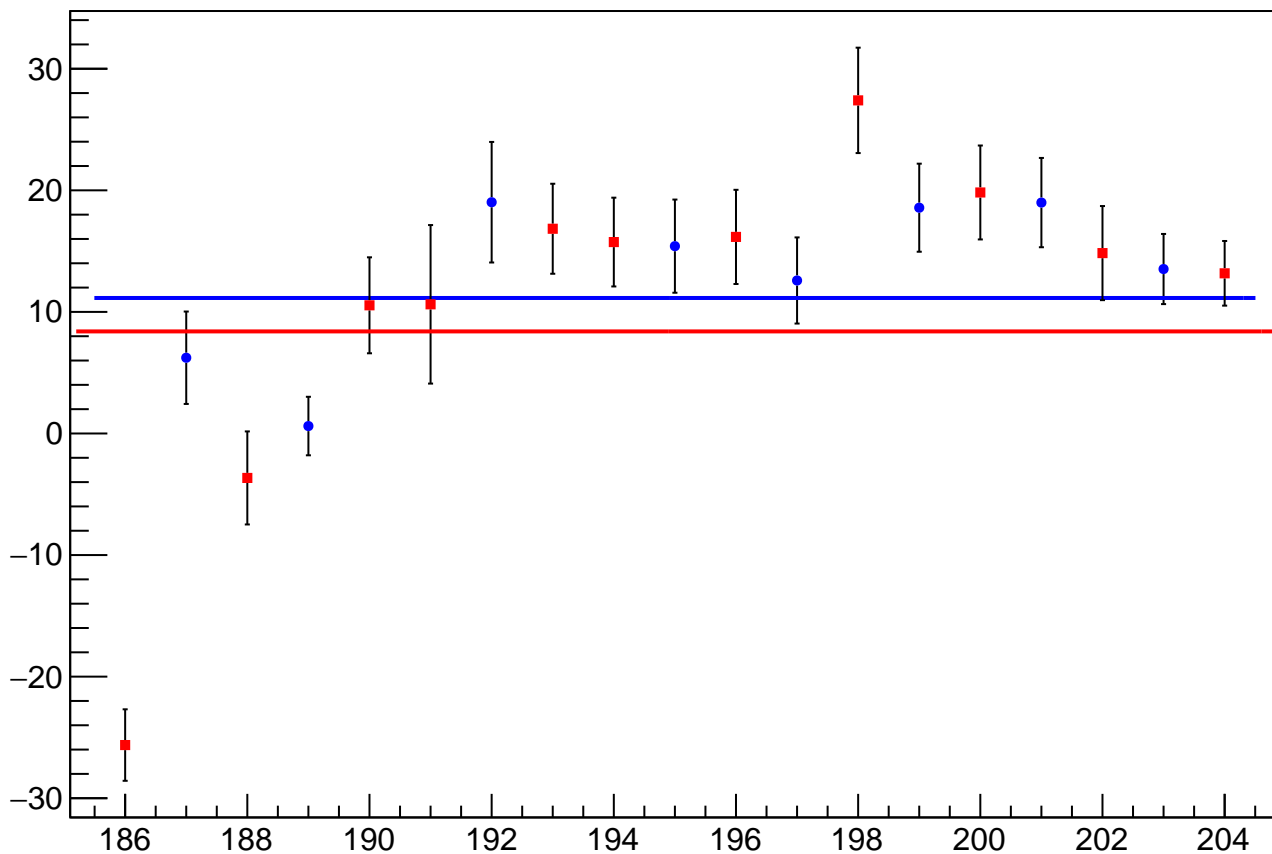
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-17.444 \pm 0.654$   $\chi^2/\text{NDF}: 3029.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 11.146+/-1.194  $\chi^2$ /NDF: 34.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.396+/-1.108  $\chi^2$ /NDF: 191.5/10

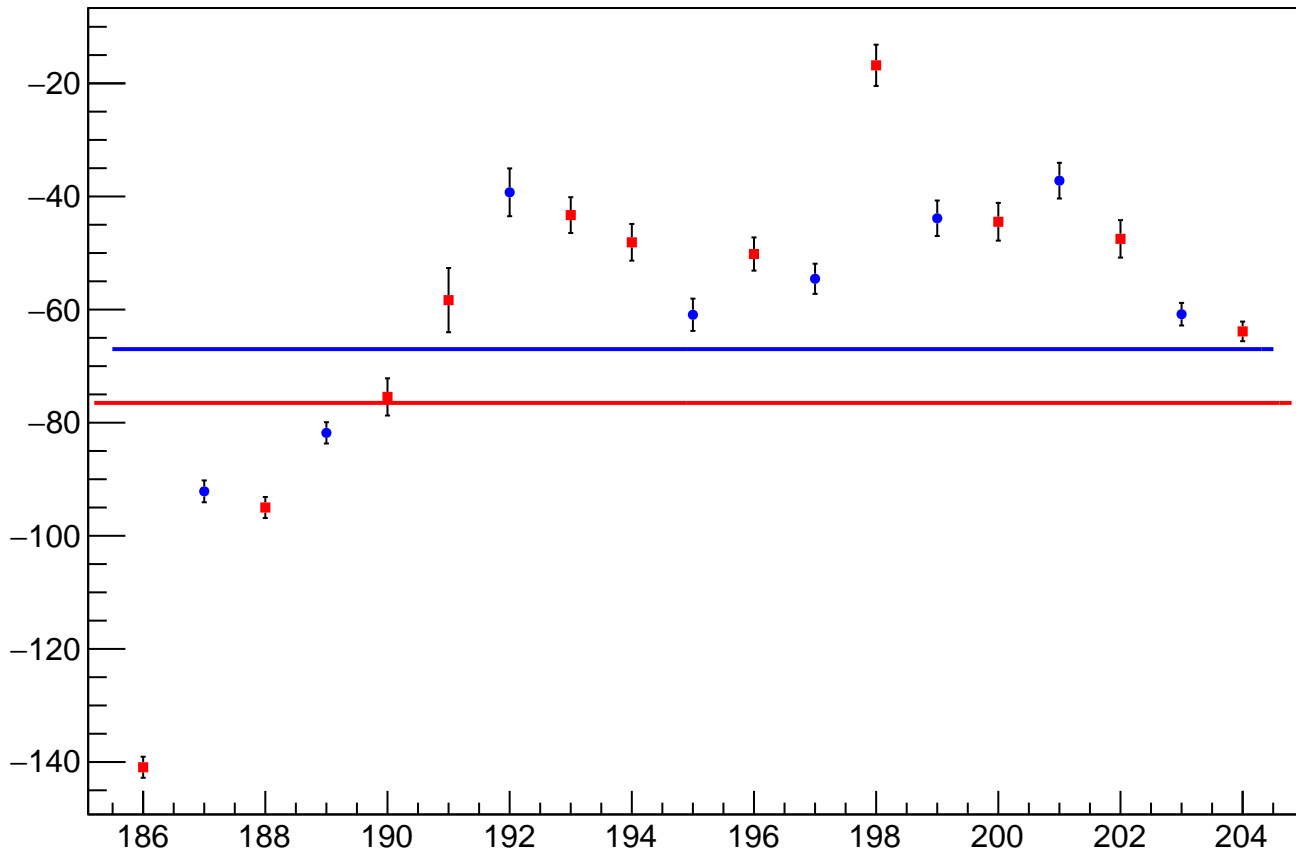
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 9.667+/-0.812  $\chi^2$ /NDF: 228.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-66.992 \pm 0.870$   $\chi^2/\text{NDF}: 453.6/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-76.500 \pm 0.791$   $\chi^2/\text{NDF}: 2060.8/10$

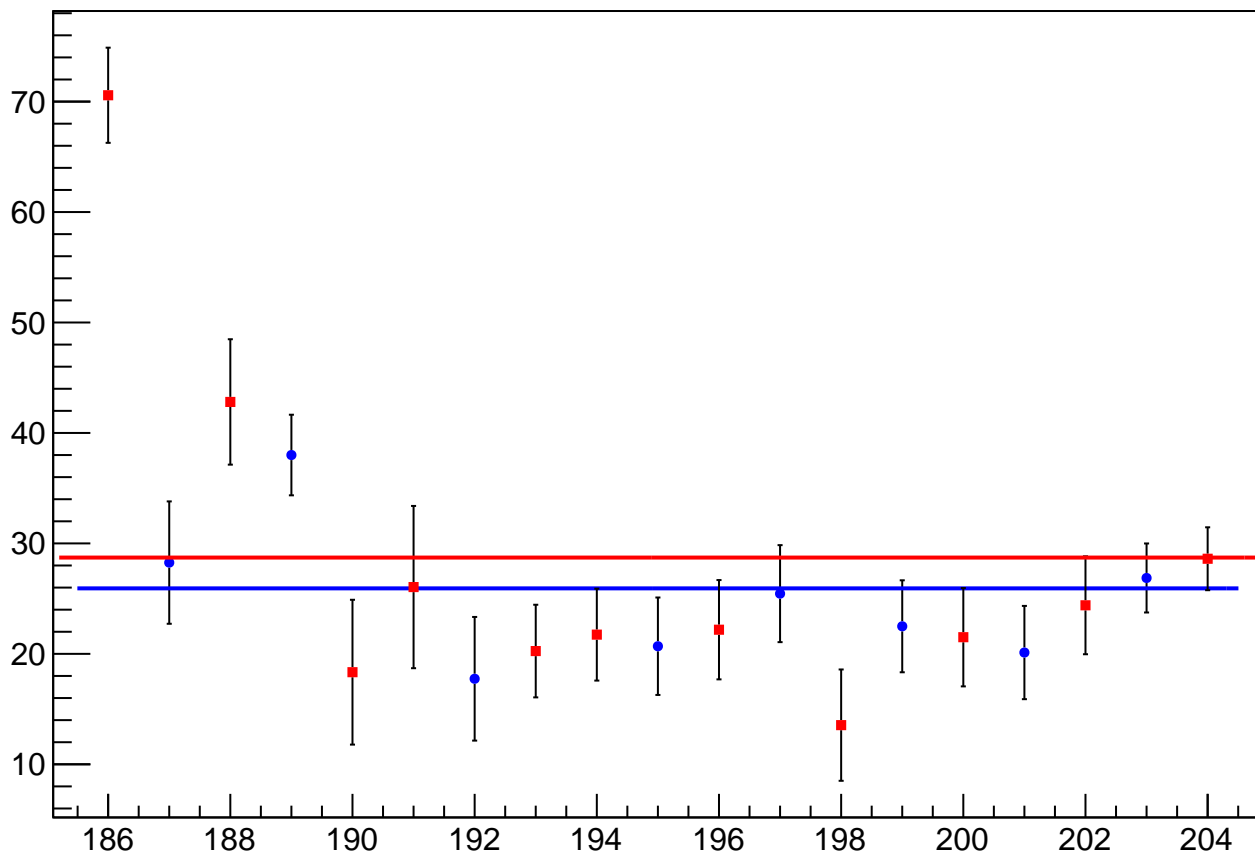
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-72.193 \pm 0.585$   $\chi^2/\text{NDF}: 2579.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 25.929+/-1.476  $\chi^2$ /NDF: 17.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 28.718+/-1.342  $\chi^2$ /NDF: 124.8/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

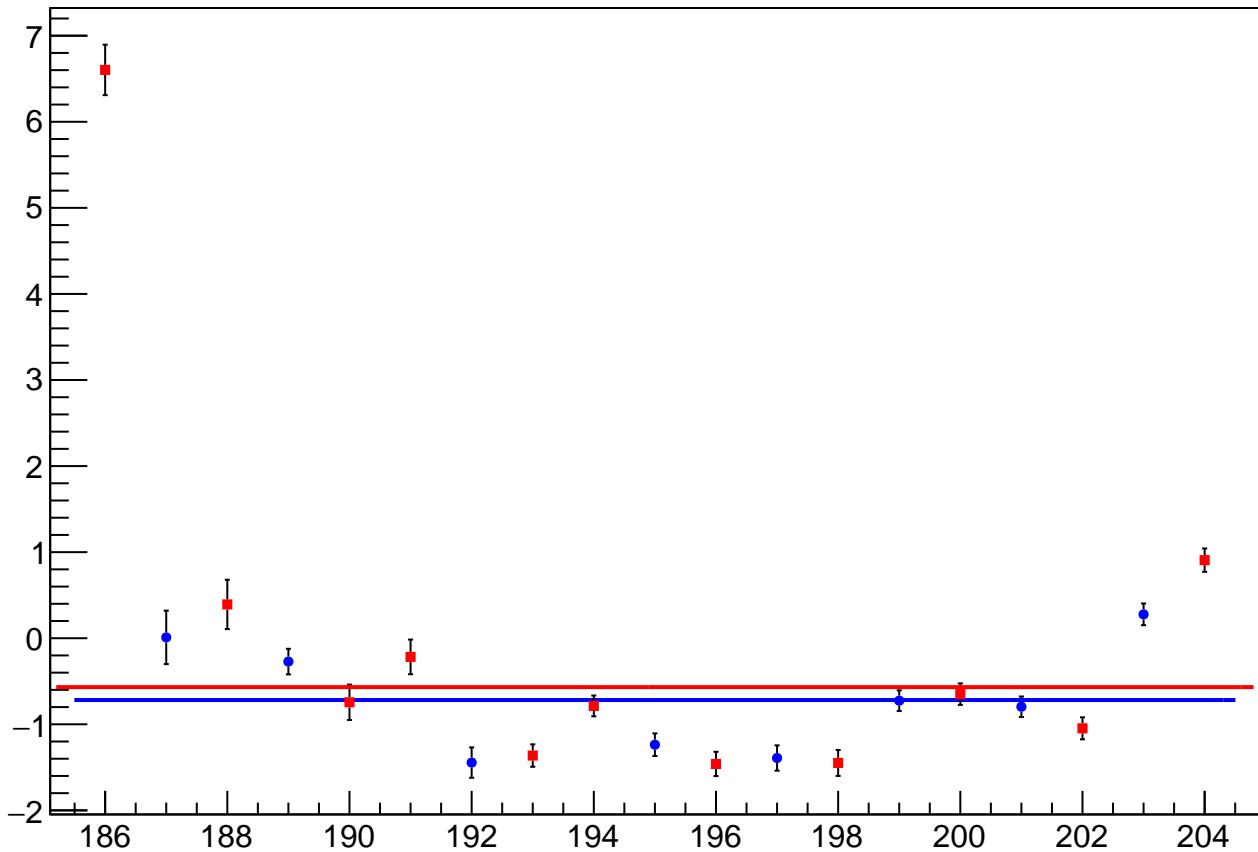
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 27.455+/-0.993  $\chi^2$ /NDF: 144.1/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.718 \pm 0.050$   $\chi^2/\text{NDF}: 130.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.568 \pm 0.046$   $\chi^2/\text{NDF}: 860.3/10$

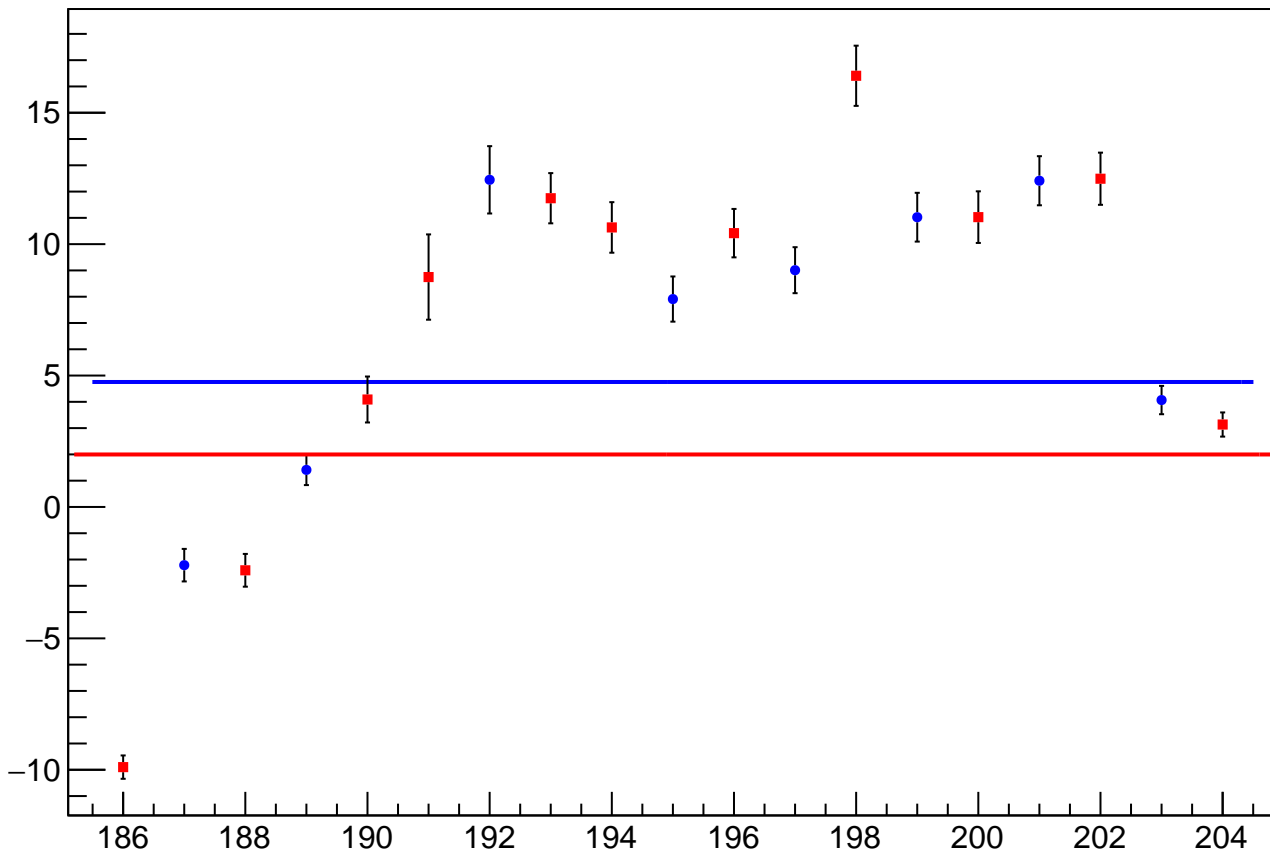
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.636 \pm 0.034$   $\chi^2/\text{NDF}: 996.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 4.755 $\pm$ 0.262  $\chi^2$ /NDF: 347.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.997 $\pm$ 0.222  $\chi^2$ /NDF: 1419.1/10

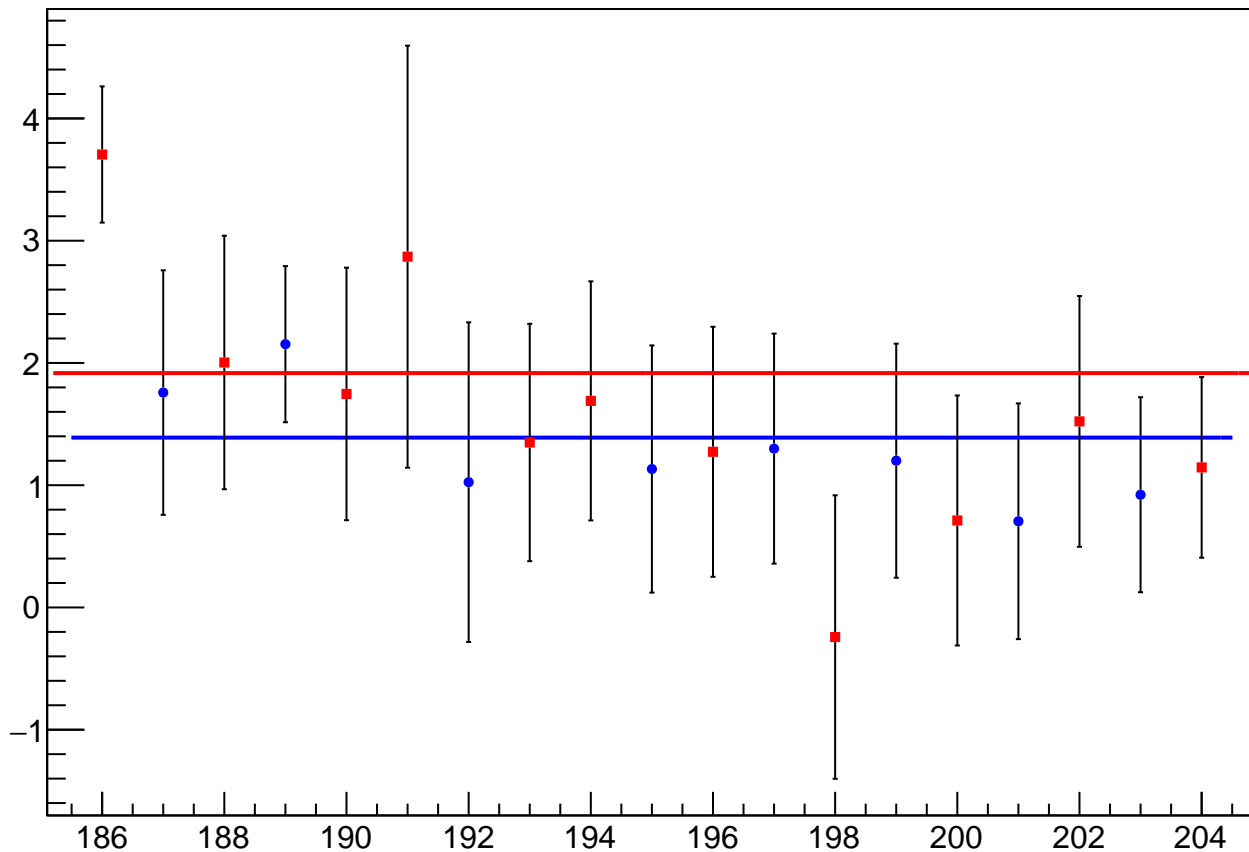
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.154 $\pm$ 0.169  $\chi^2$ /NDF: 1831.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 1.389 $\pm$ 0.318  $\chi^2$ /NDF: 2.6/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.917 $\pm$ 0.278  $\chi^2$ /NDF: 17.5/10

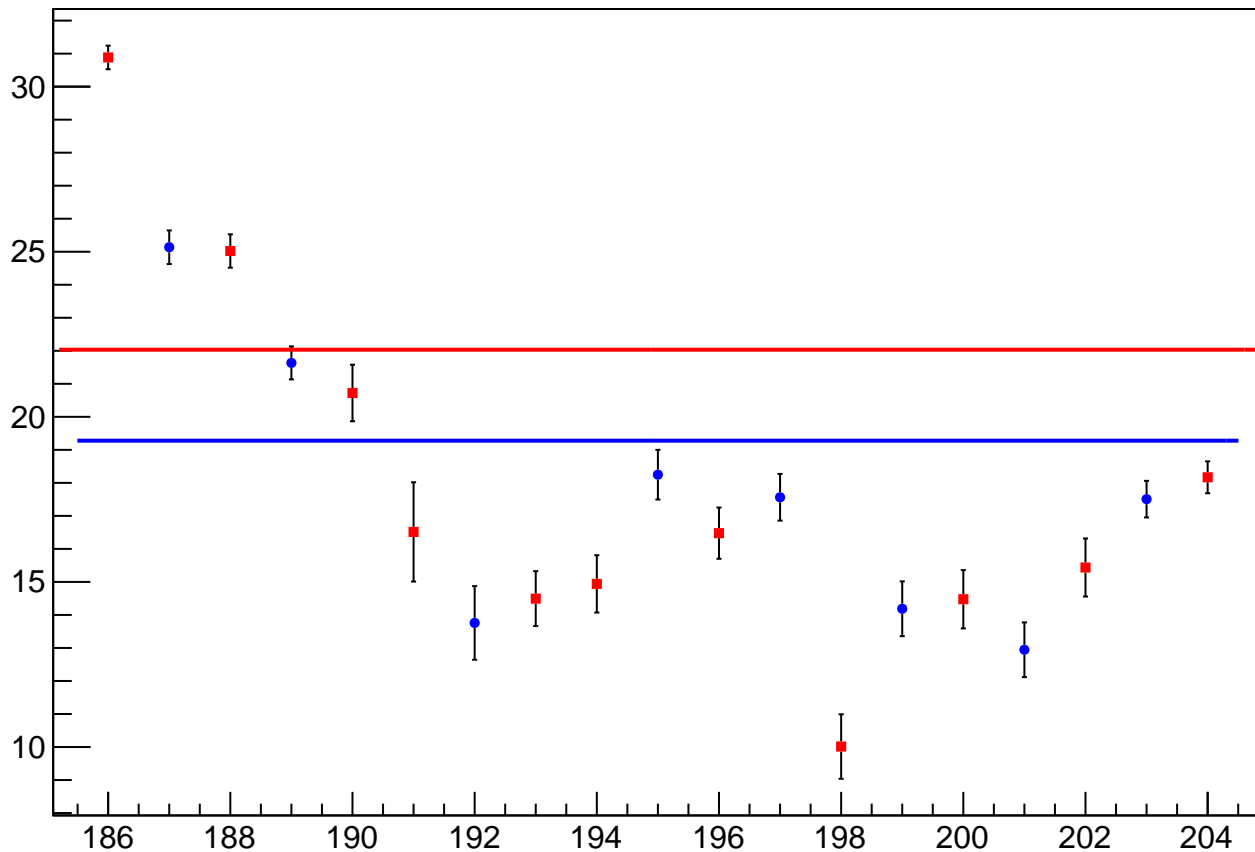
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.689 $\pm$ 0.209  $\chi^2$ /NDF: 21.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 19.278+/-0.232  $\chi^2$ /NDF: 293.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 22.033+/-0.196  $\chi^2$ /NDF: 1210.7/10

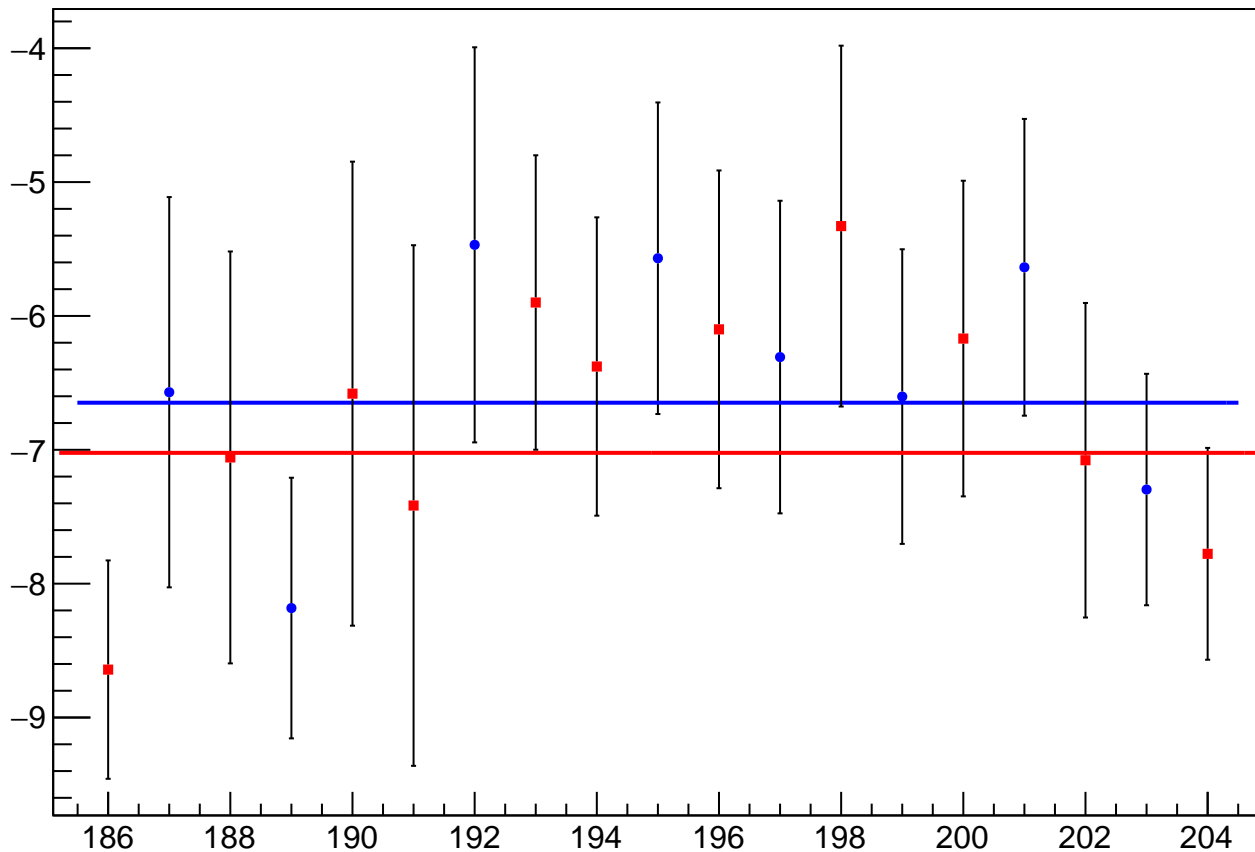
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 20.882+/-0.150  $\chi^2$ /NDF: 1586.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-6.648 \pm 0.394$   $\chi^2/\text{NDF}: 5.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-7.023 \pm 0.344$   $\chi^2/\text{NDF}: 9.0/10$

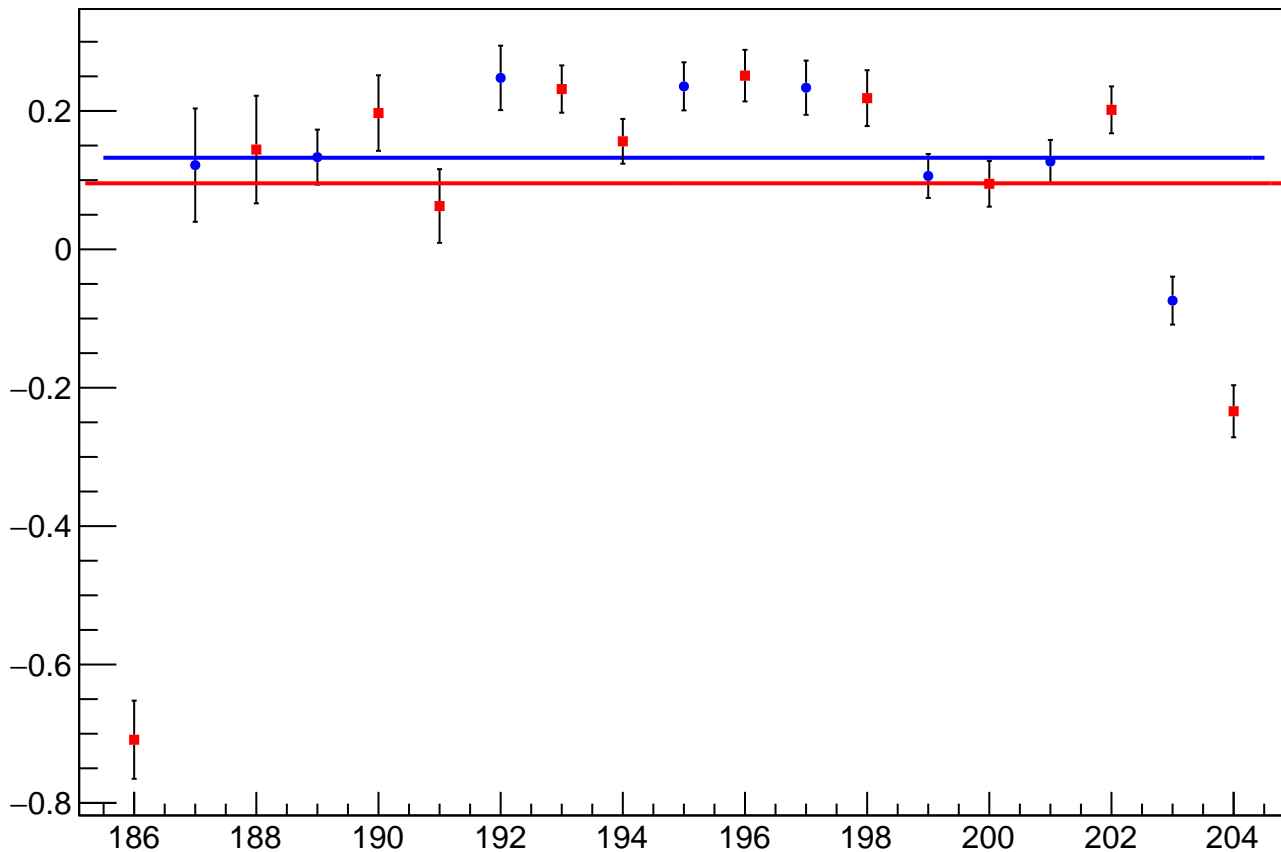
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-6.861 \pm 0.259$   $\chi^2/\text{NDF}: 15.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.132 $\pm$ 0.013  $\chi^2$ /NDF: 57.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.095 $\pm$ 0.012  $\chi^2$ /NDF: 339.6/10

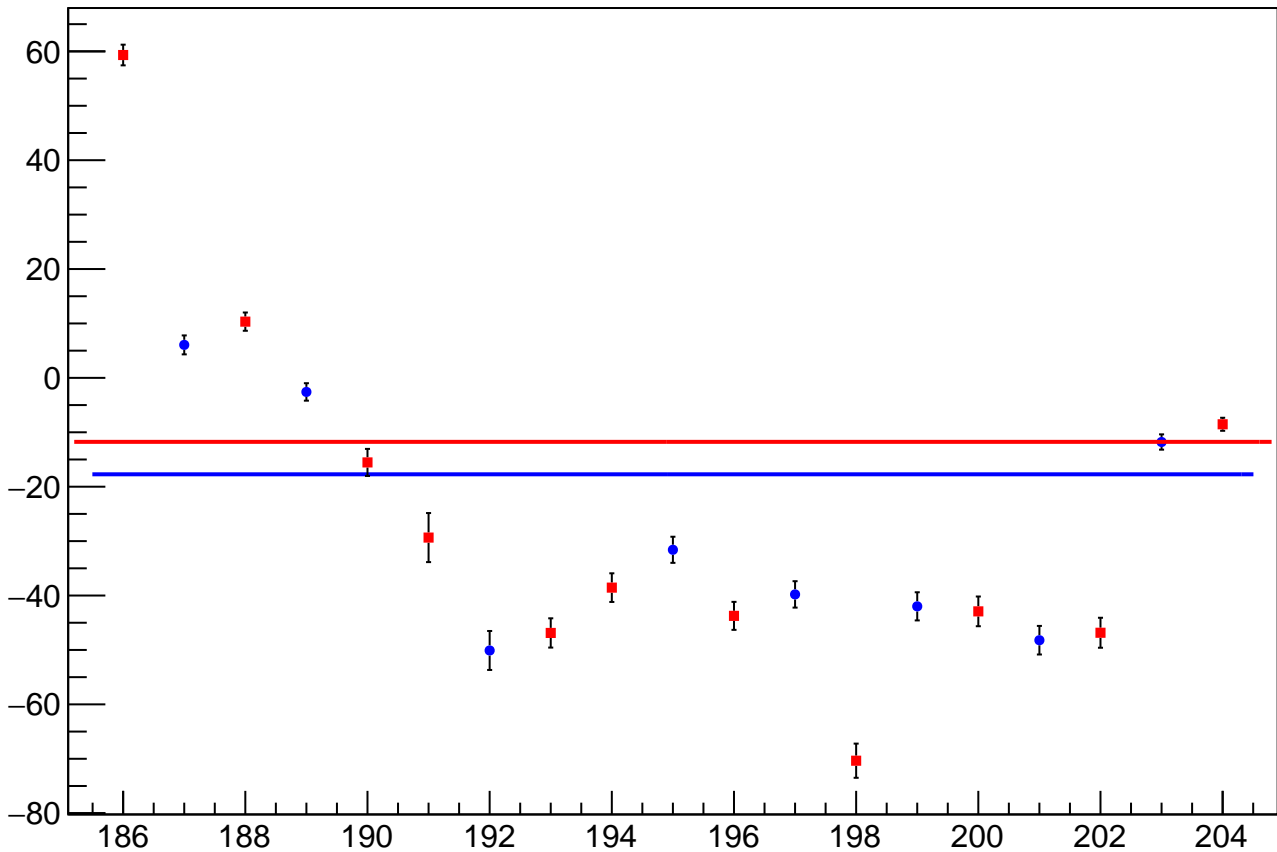
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.112 $\pm$ 0.009  $\chi^2$ /NDF: 401.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_12345678\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-17.722 \pm 0.718$   $\chi^2/\text{NDF}: 714.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-11.759 \pm 0.653$   $\chi^2/\text{NDF}: 2665.8/10$

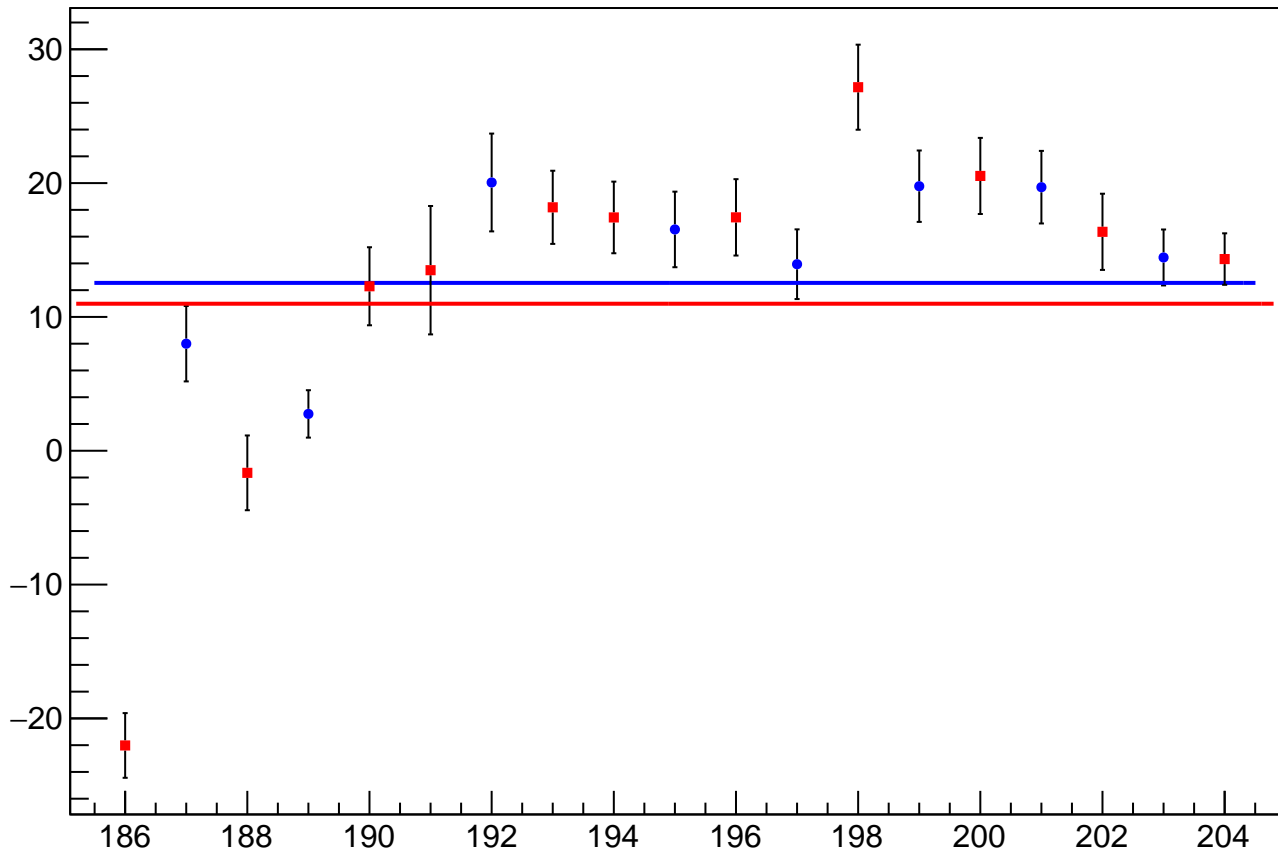
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-14.461 \pm 0.483$   $\chi^2/\text{NDF}: 3417.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 12.543+/-0.878  $\chi^2$ /NDF: 54.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 10.986+/-0.824  $\chi^2$ /NDF: 269.0/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

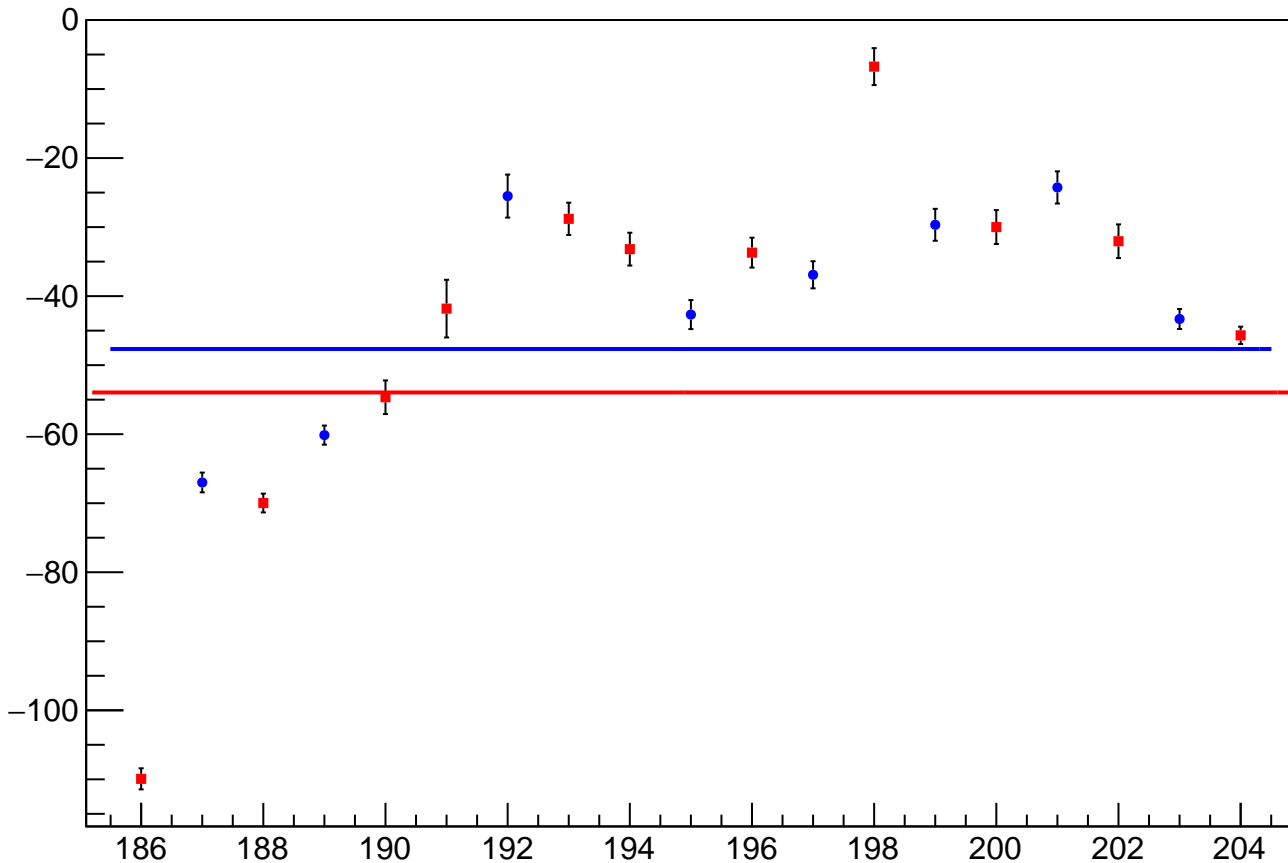
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 11.716+/-0.601  $\chi^2$ /NDF: 325.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-47.663 \pm 0.639$   $\chi^2/\text{NDF}: 520.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-53.955 \pm 0.590$   $\chi^2/\text{NDF}: 2299.4/10$

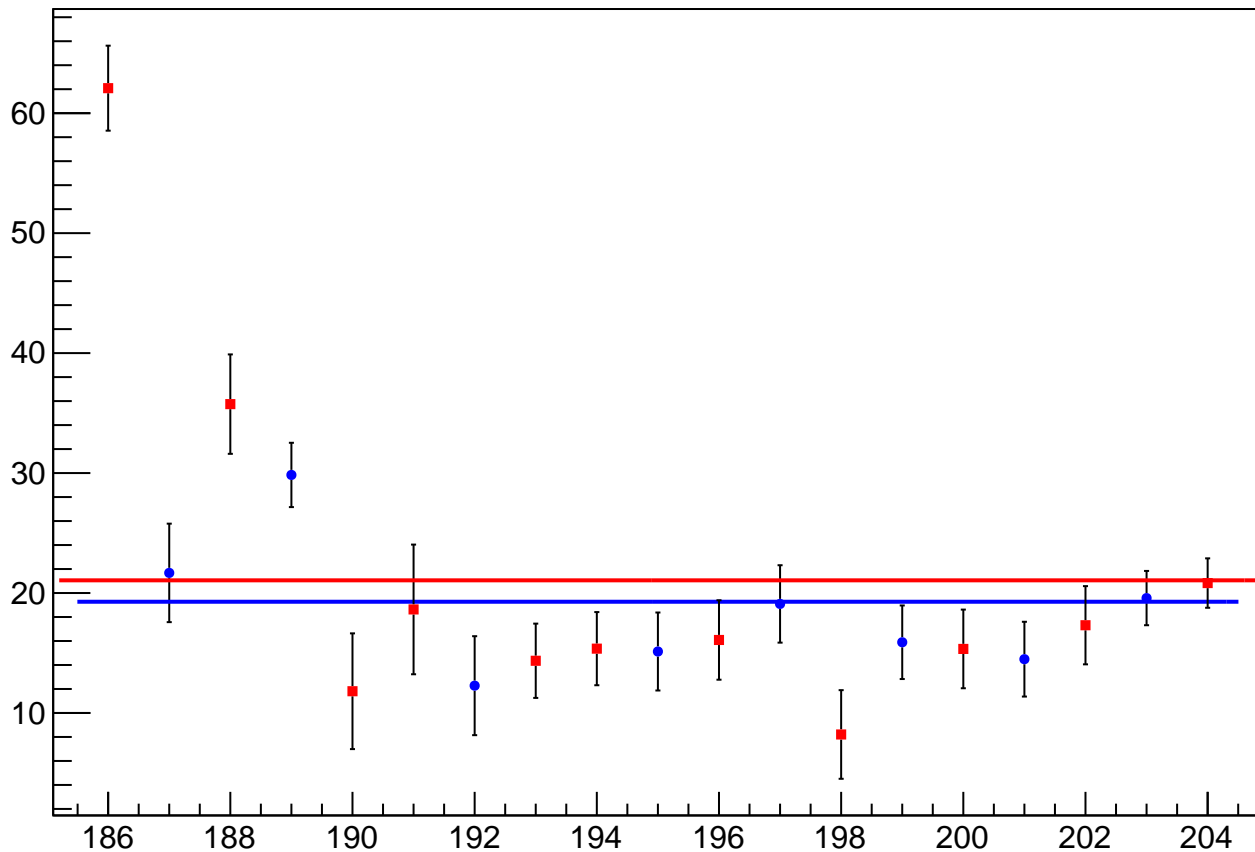
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-51.060 \pm 0.433$   $\chi^2/\text{NDF}: 2872.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 19.273+/-1.083  $\chi^2$ /NDF: 24.0/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 21.057+/-0.993  $\chi^2$ /NDF: 177.5/10

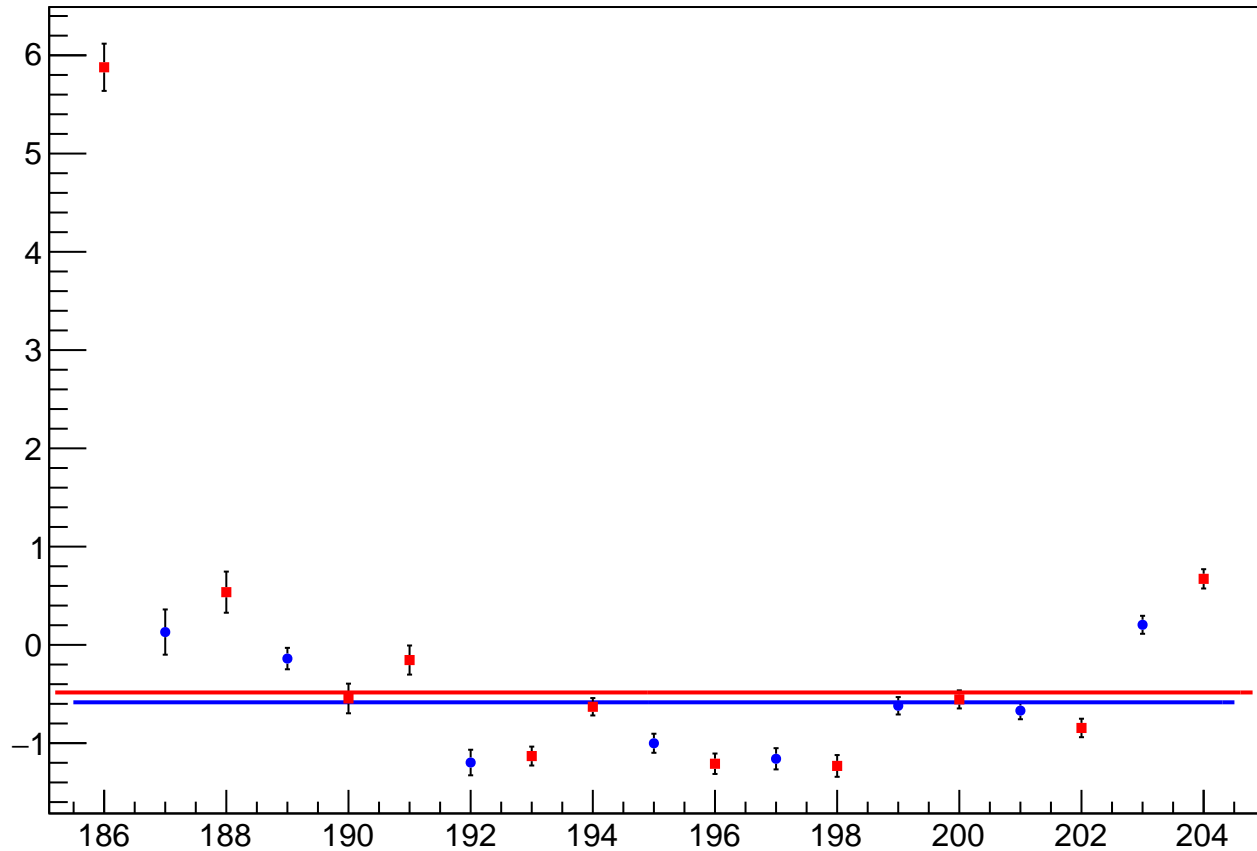
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 20.242+/-0.732  $\chi^2$ /NDF: 202.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.584 \pm 0.037$   $\chi^2/\text{NDF}: 170.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.484 \pm 0.034$   $\chi^2/\text{NDF}: 1026.4/10$

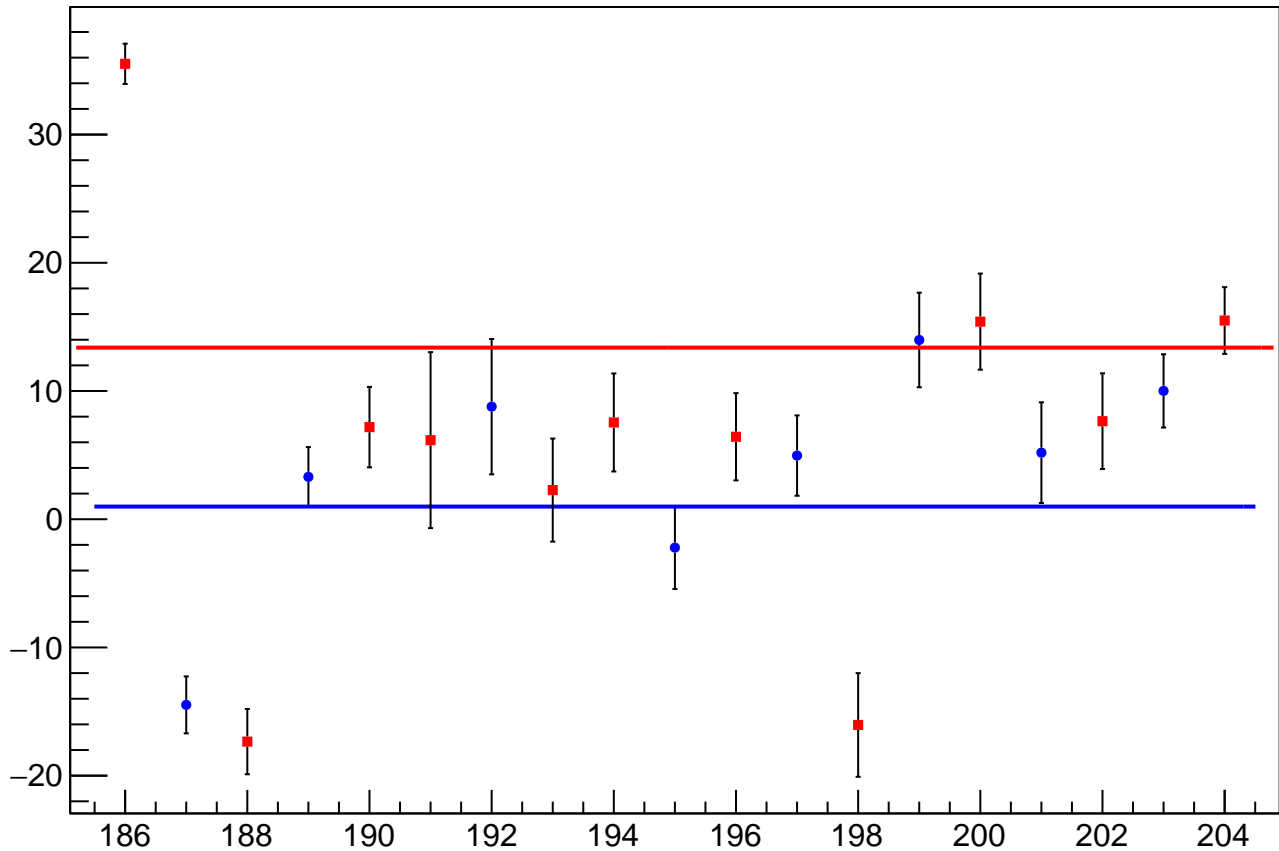
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.530 \pm 0.025$   $\chi^2/\text{NDF}: 1201.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl1\_diff\_bpm1X\_slope vs Slug



Right In: 0.987 $\pm$ 1.064  $\chi^2$ /NDF: 77.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.385 $\pm$ 0.894  $\chi^2$ /NDF: 419.4/10

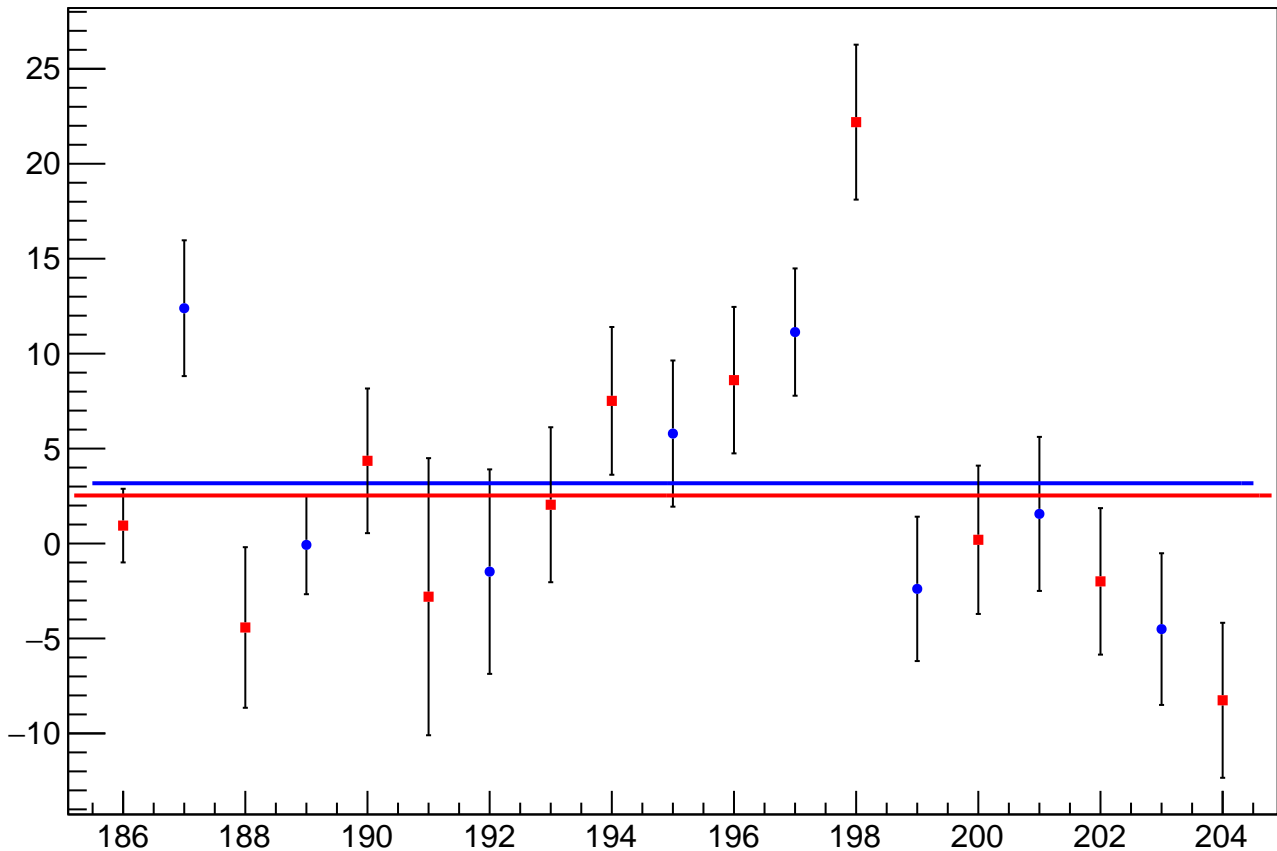
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 8.254 $\pm$ 0.685  $\chi^2$ /NDF: 576.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug



Right In: 3.174+/-1.280  $\chi^2/\text{NDF}$ : 21.1/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.530+/-1.081  $\chi^2/\text{NDF}$ : 40.2/10

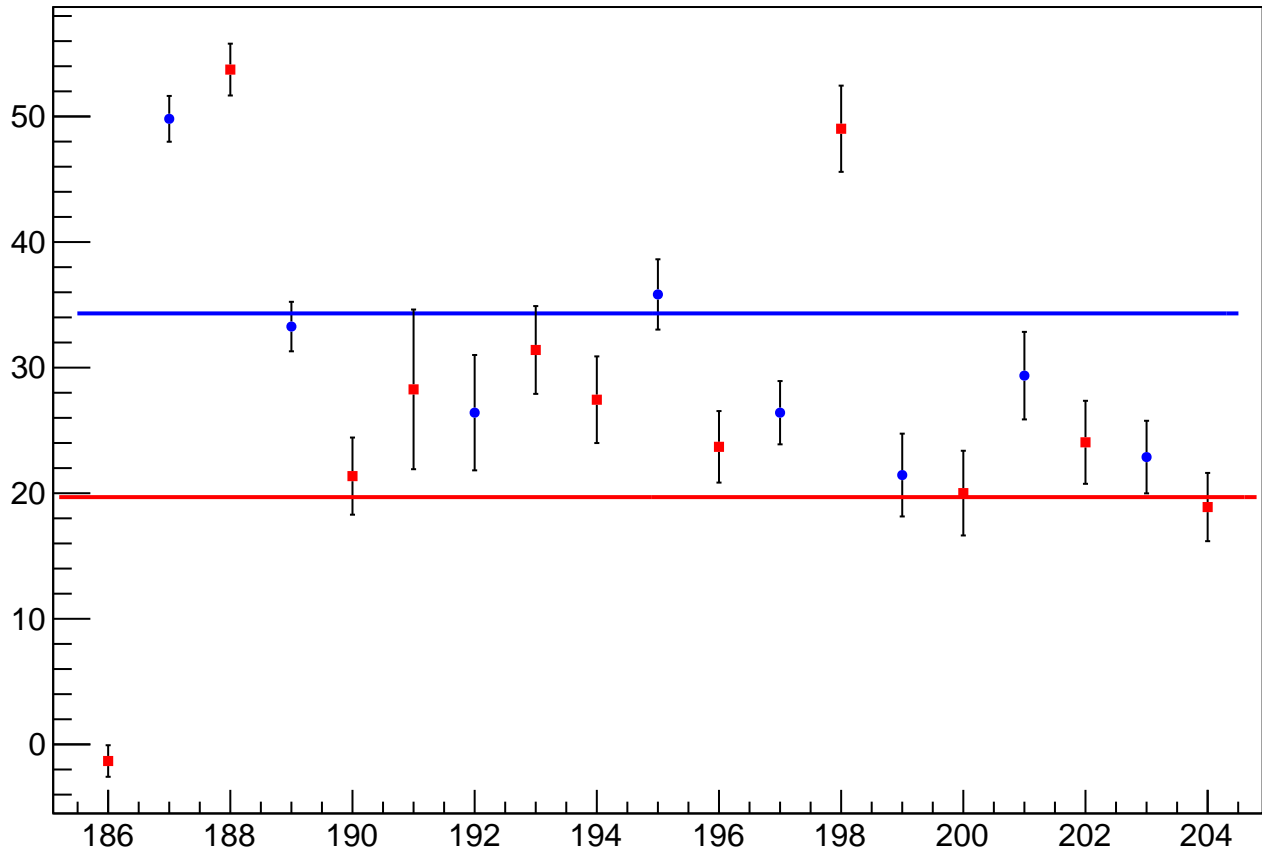
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.798+/-0.826  $\chi^2/\text{NDF}$ : 61.4/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug



Right In: 34.318 $\pm$ 0.919  $\chi^2$ /NDF: 118.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 19.689 $\pm$ 0.770  $\chi^2$ /NDF: 646.8/10

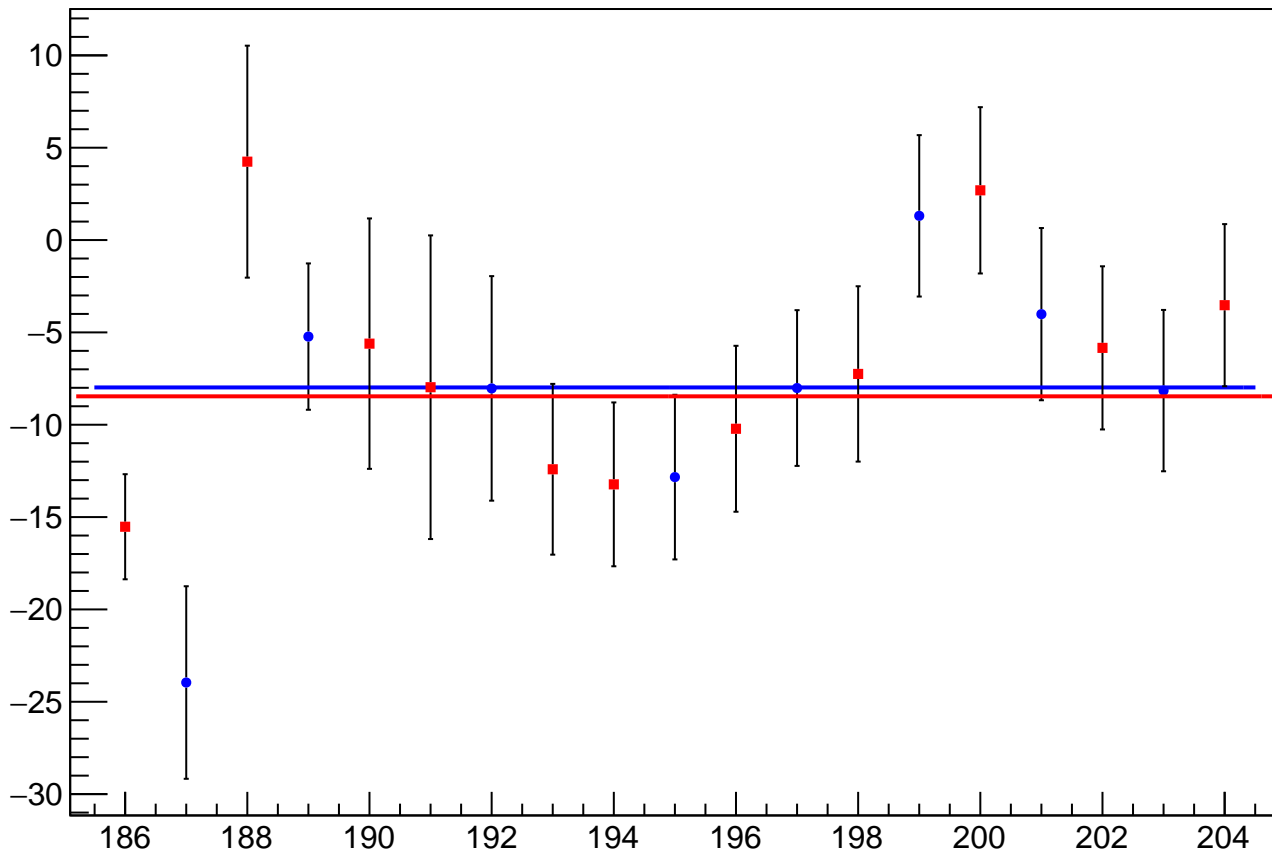
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 25.725 $\pm$ 0.590  $\chi^2$ /NDF: 914.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug



Right In:  $-7.980 \pm 1.612$   $\chi^2/\text{NDF}: 16.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-8.462 \pm 1.374$   $\chi^2/\text{NDF}: 20.3/10$

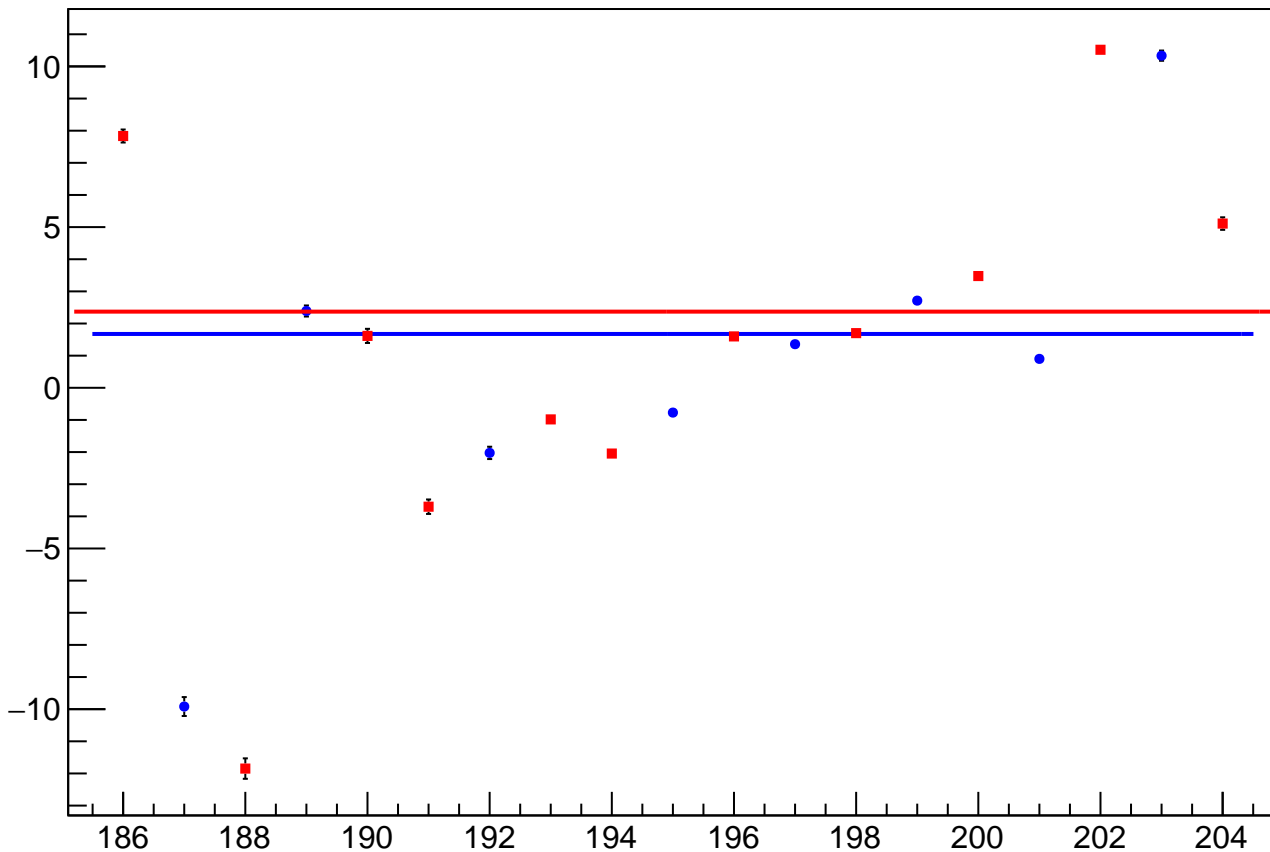
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-8.259 \pm 1.046$   $\chi^2/\text{NDF}: 36.7/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug



Right In: 1.675+/-0.055  $\chi^2/\text{NDF}$ : 5342.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.370+/-0.048  $\chi^2/\text{NDF}$ : 9596.2/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

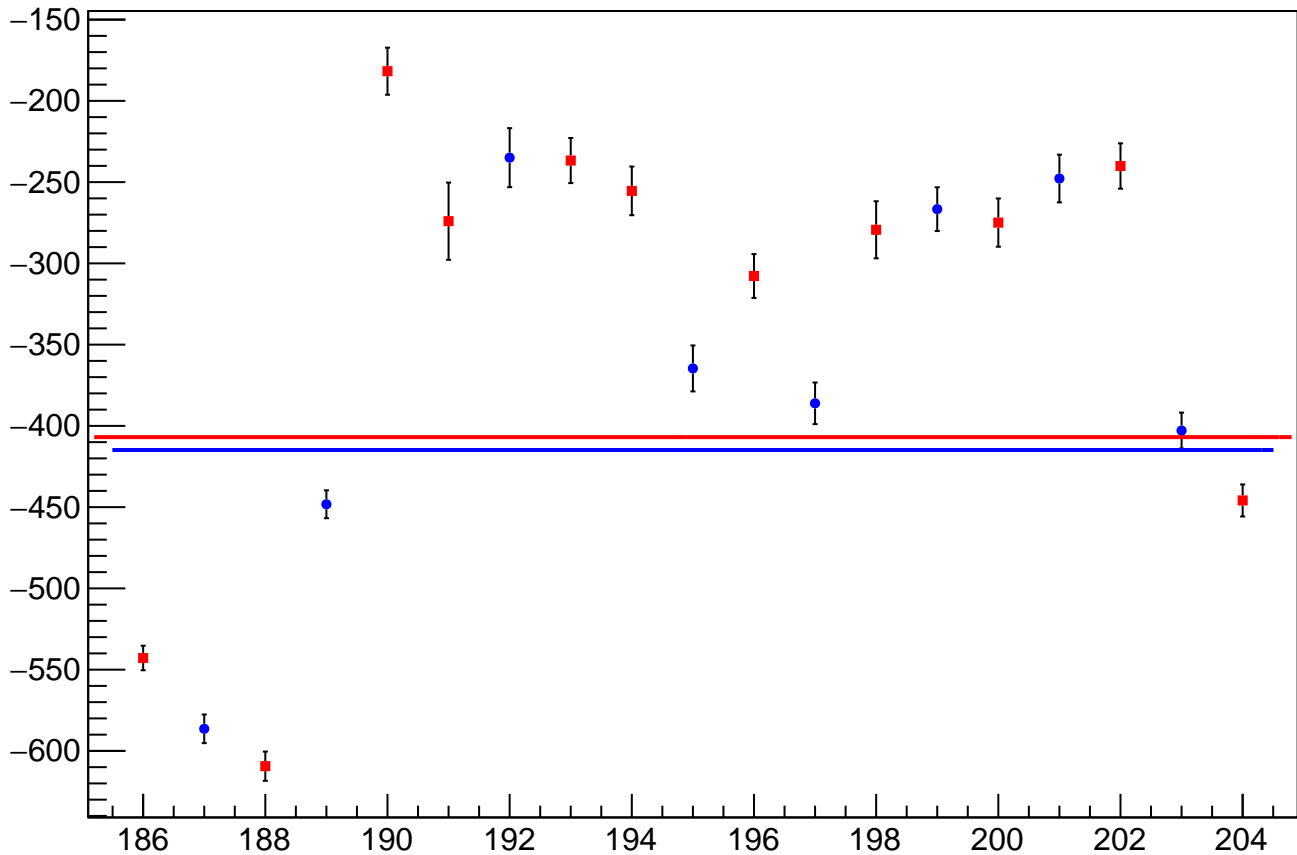
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.067+/-0.036  $\chi^2/\text{NDF}$ : 15029.8/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl2\_diff\_bpm1X\_slope vs Slug



Right In:  $-414.838 \pm 4.120$   $\chi^2/\text{NDF}$ : 761.2/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-406.915 \pm 3.656$   $\chi^2/\text{NDF}$ : 1700.8/10

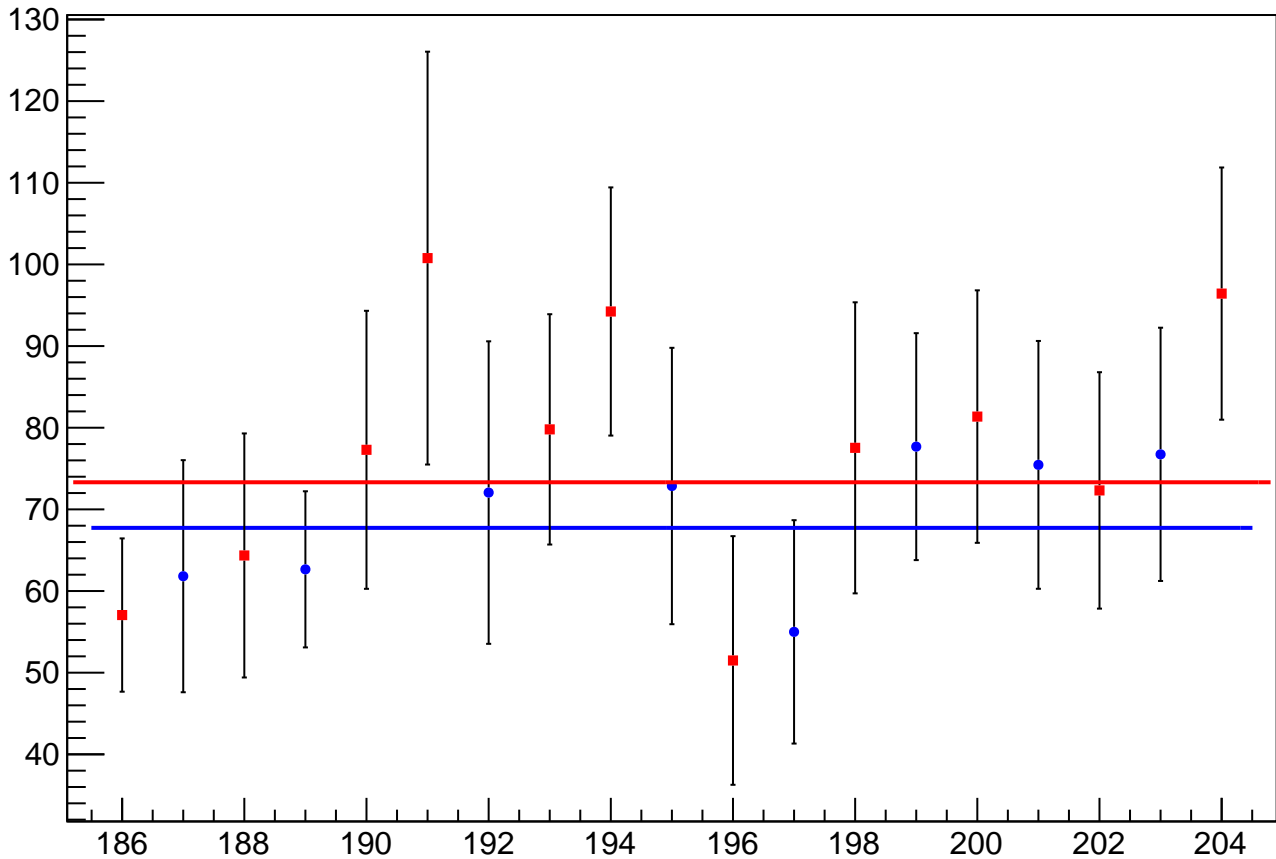
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-410.406 \pm 2.735$   $\chi^2/\text{NDF}$ : 2464.1/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug



Right In: 67.735+/-4.920  $\chi^2$ /NDF: 2.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 73.319+/-4.436  $\chi^2$ /NDF: 11.3/10

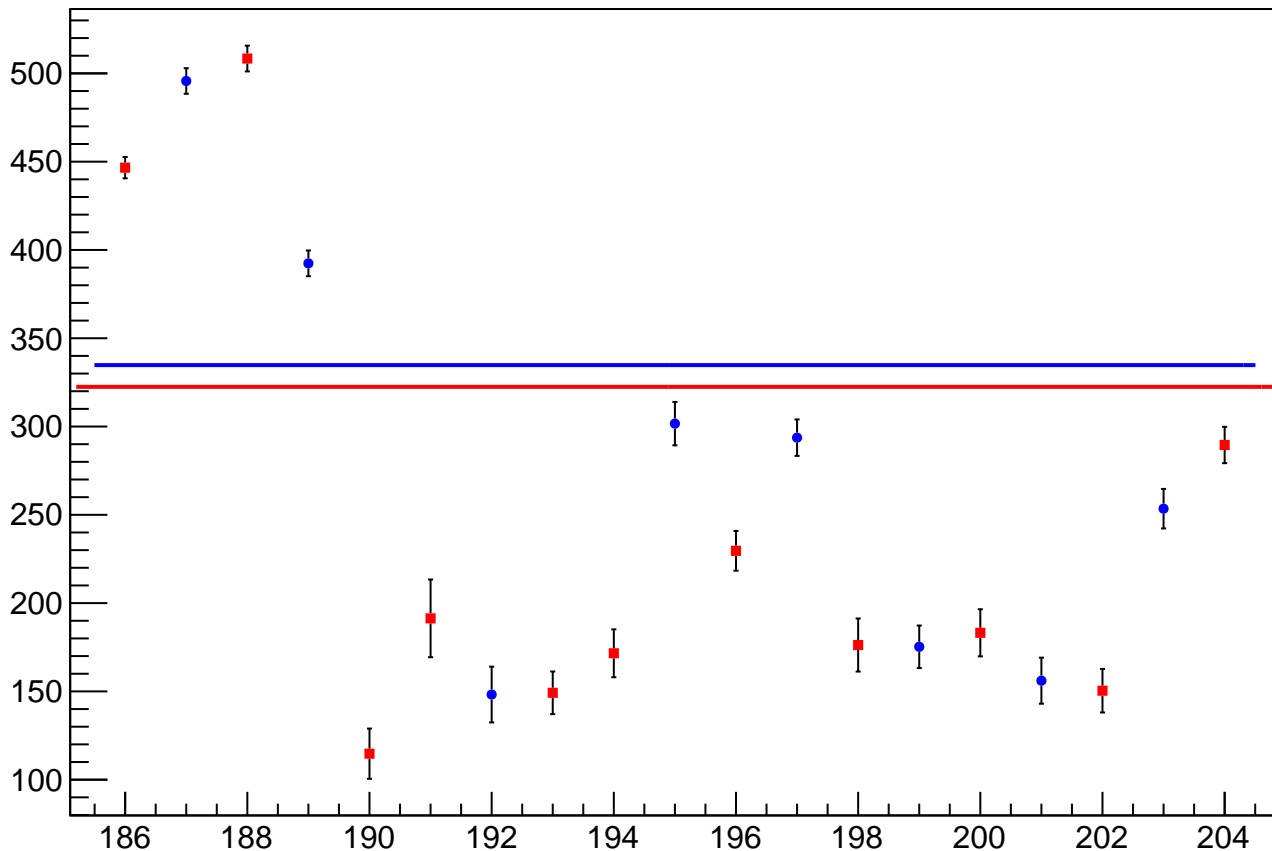
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 70.815+/-3.295  $\chi^2$ /NDF: 14.6/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug



Right In: 334.788+/-3.566  $\chi^2$ /NDF: 1134.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 322.473+/-3.171  $\chi^2$ /NDF: 2127.8/10

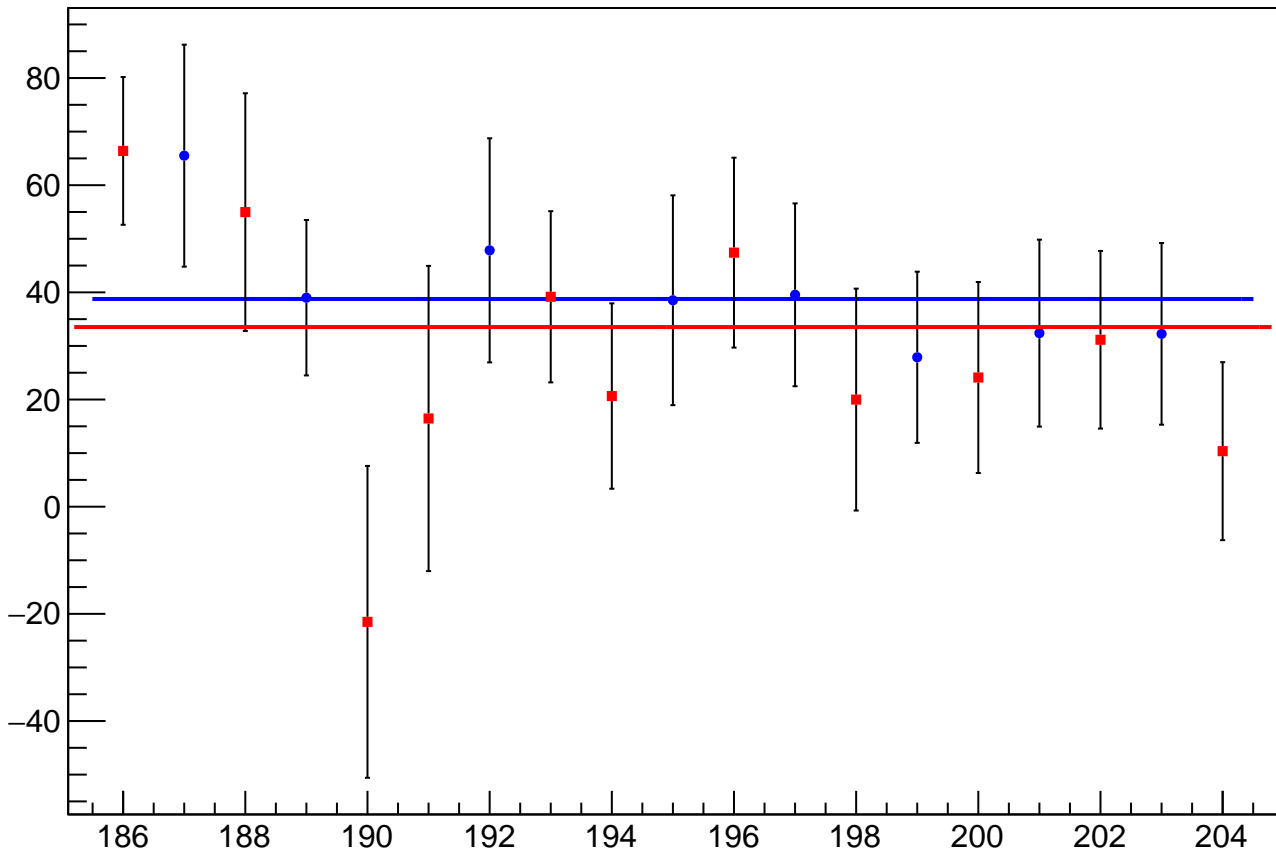
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 327.911+/-2.369  $\chi^2$ /NDF: 3268.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug



Right In: 38.765+/-6.190  $\chi^2$ /NDF: 2.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 33.525+/-5.514  $\chi^2$ /NDF: 14.5/10

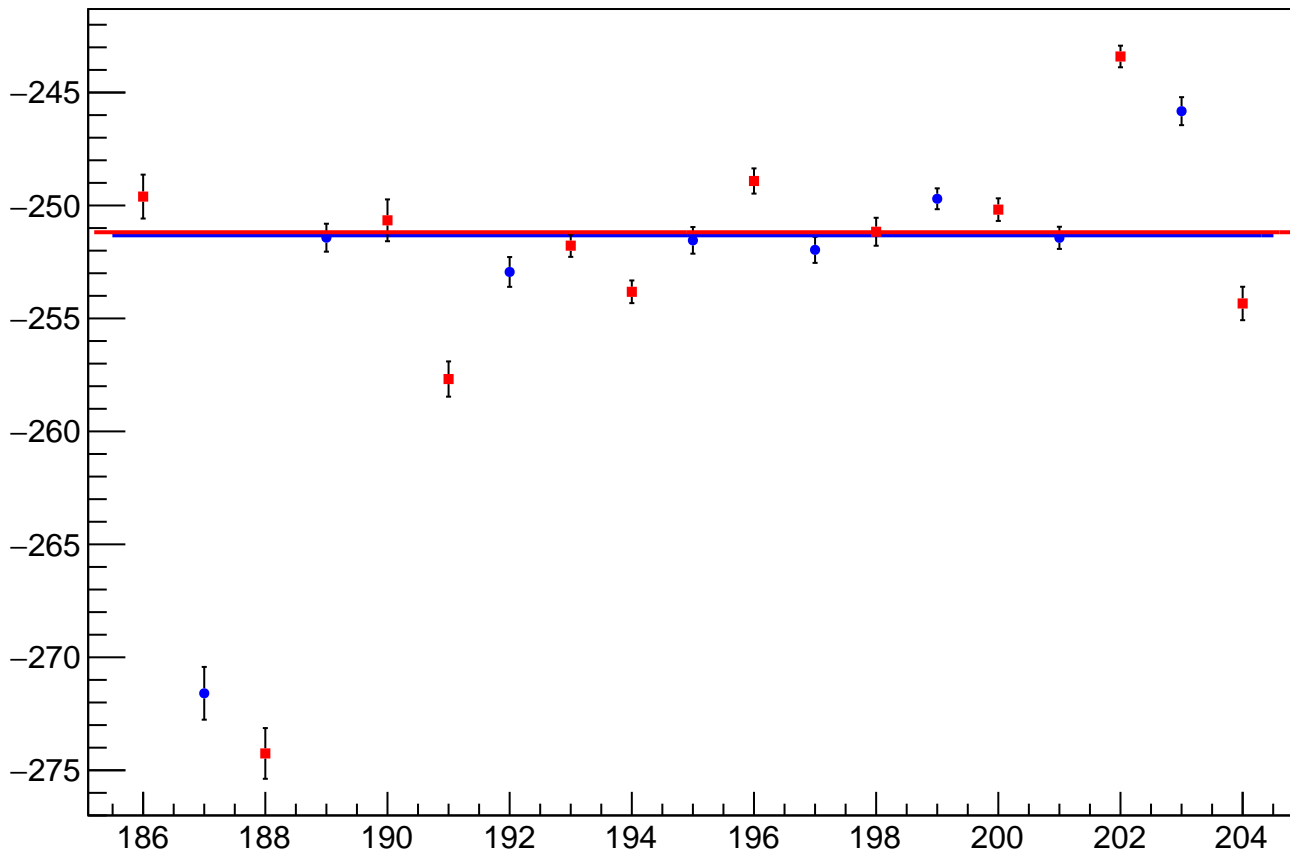
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 35.843+/-4.117  $\chi^2$ /NDF: 17.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug



Right In:  $-251.321 \pm 0.209$   $\chi^2/\text{NDF}$ : 399.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-251.185 \pm 0.187$   $\chi^2/\text{NDF}$ : 826.6/10

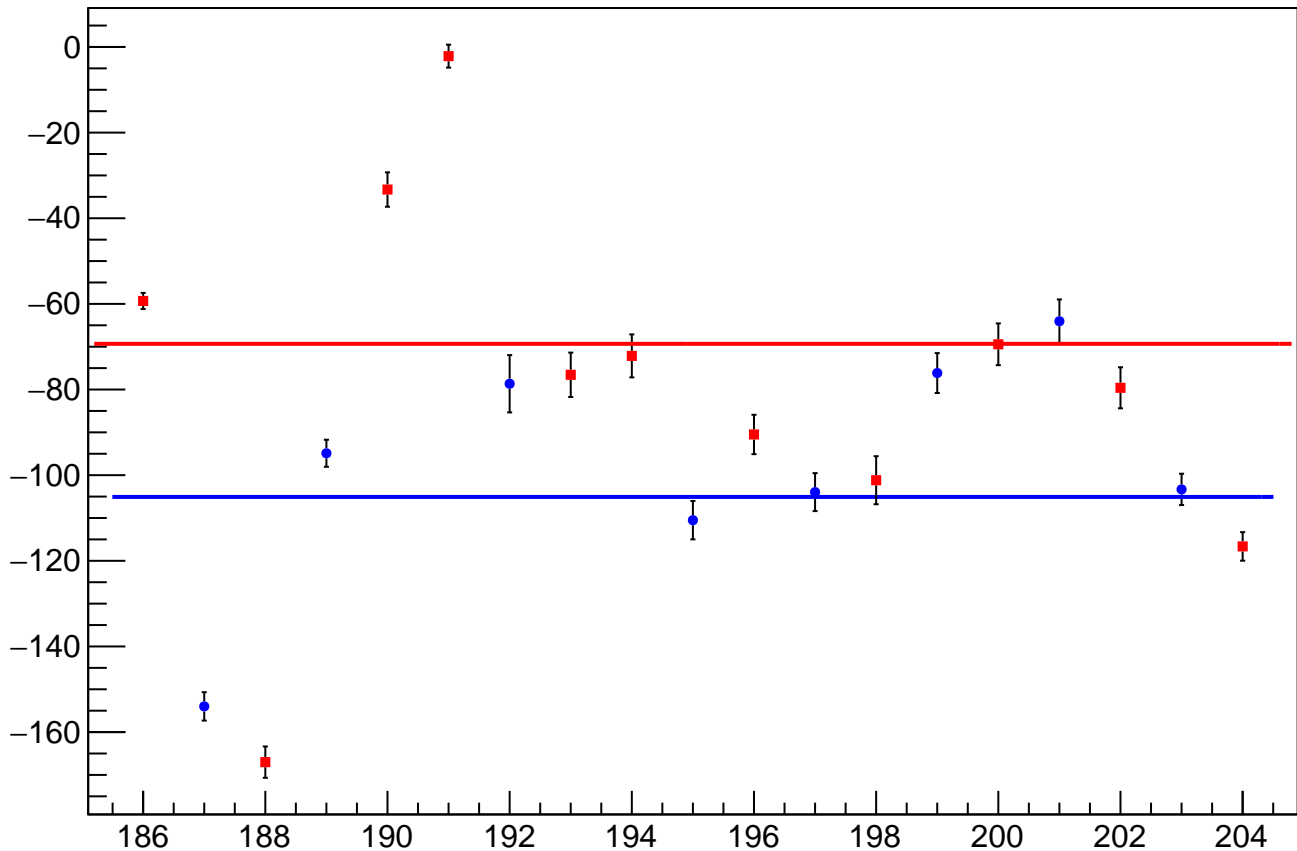
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-251.245 \pm 0.139$   $\chi^2/\text{NDF}$ : 1226.7/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm1X\_slope vs Slug



Right In:  $-105.079 \pm 1.453$   $\chi^2/\text{NDF}$ : 348.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-69.323 \pm 1.061$   $\chi^2/\text{NDF}$ : 1712.3/10

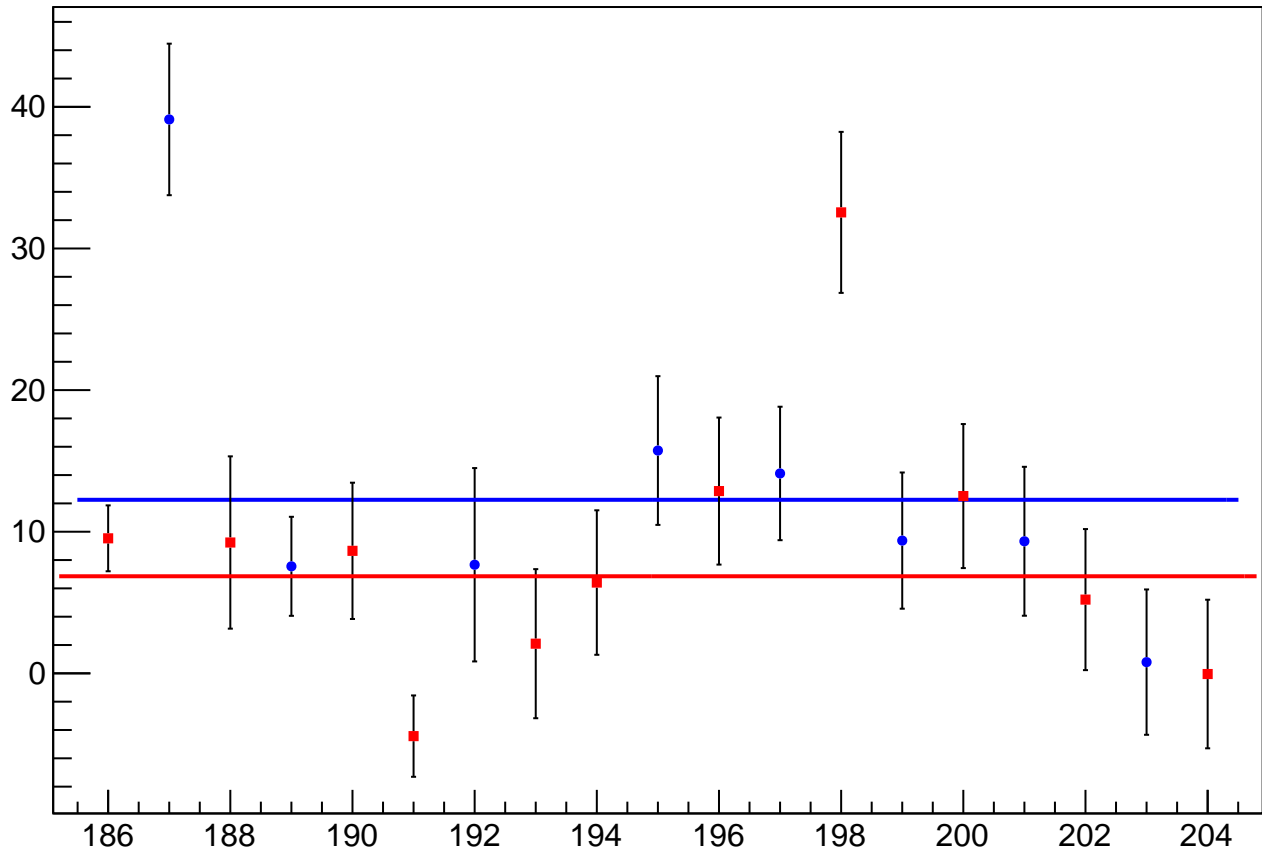
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-81.750 \pm 0.857$   $\chi^2/\text{NDF}$ : 2455.7/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug



Right In: 12.254+/-1.723  $\chi^2$ /NDF: 33.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.855+/-1.256  $\chi^2$ /NDF: 42.7/10

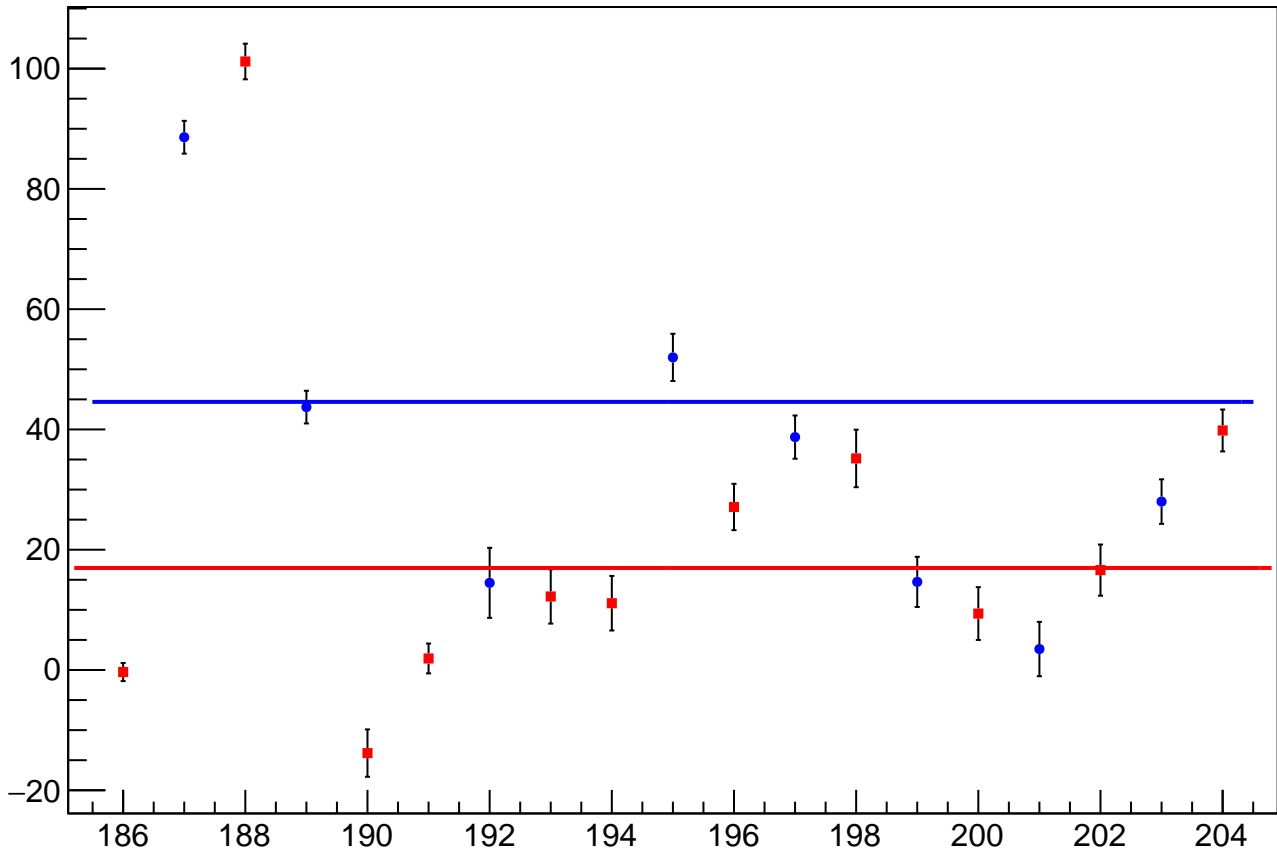
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 8.728+/-1.015  $\chi^2$ /NDF: 82.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug



Right In: 44.583+/-1.269  $\chi^2$ /NDF: 447.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 16.965+/-0.921  $\chi^2$ /NDF: 1106.7/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

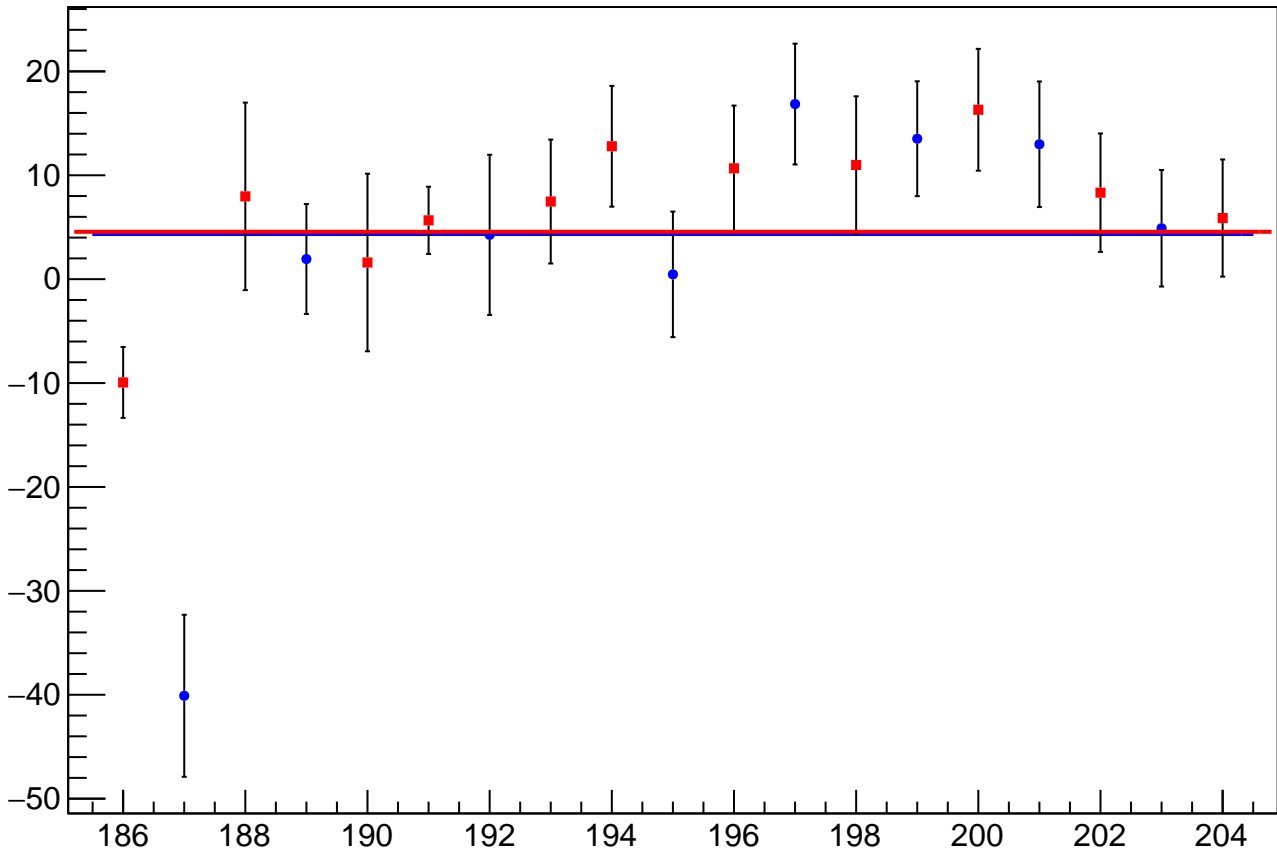
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 26.503+/-0.746  $\chi^2$ /NDF: 1864.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug



Right In: 4.346+/-2.143  $\chi^2/\text{NDF}$ : 42.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.560+/-1.568  $\chi^2/\text{NDF}$ : 27.2/10

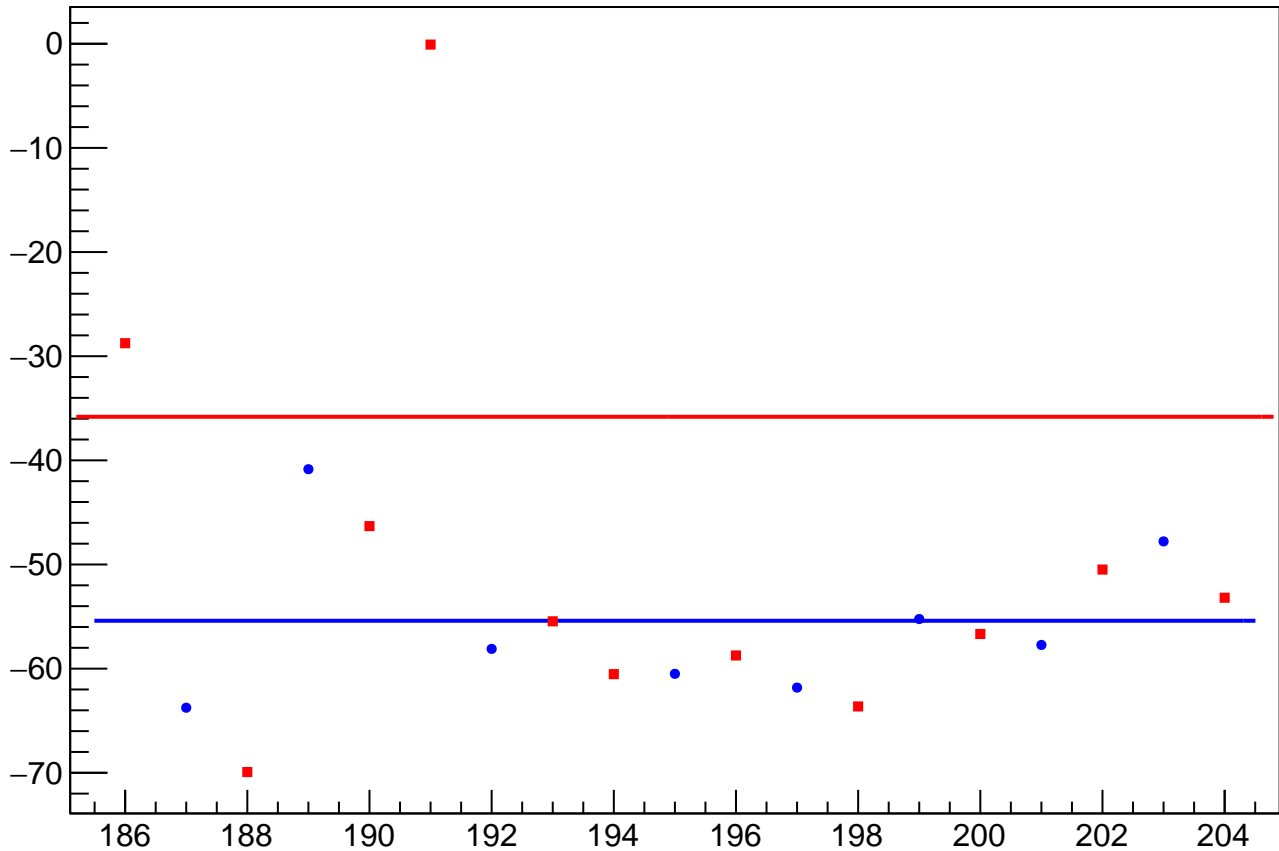
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.485+/-1.265  $\chi^2/\text{NDF}$ : 69.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug



Right In:  $-55.403 \pm 0.071$   $\chi^2/\text{NDF}: 8463.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-35.814 \pm 0.052$   $\chi^2/\text{NDF}: 266770.4/10$

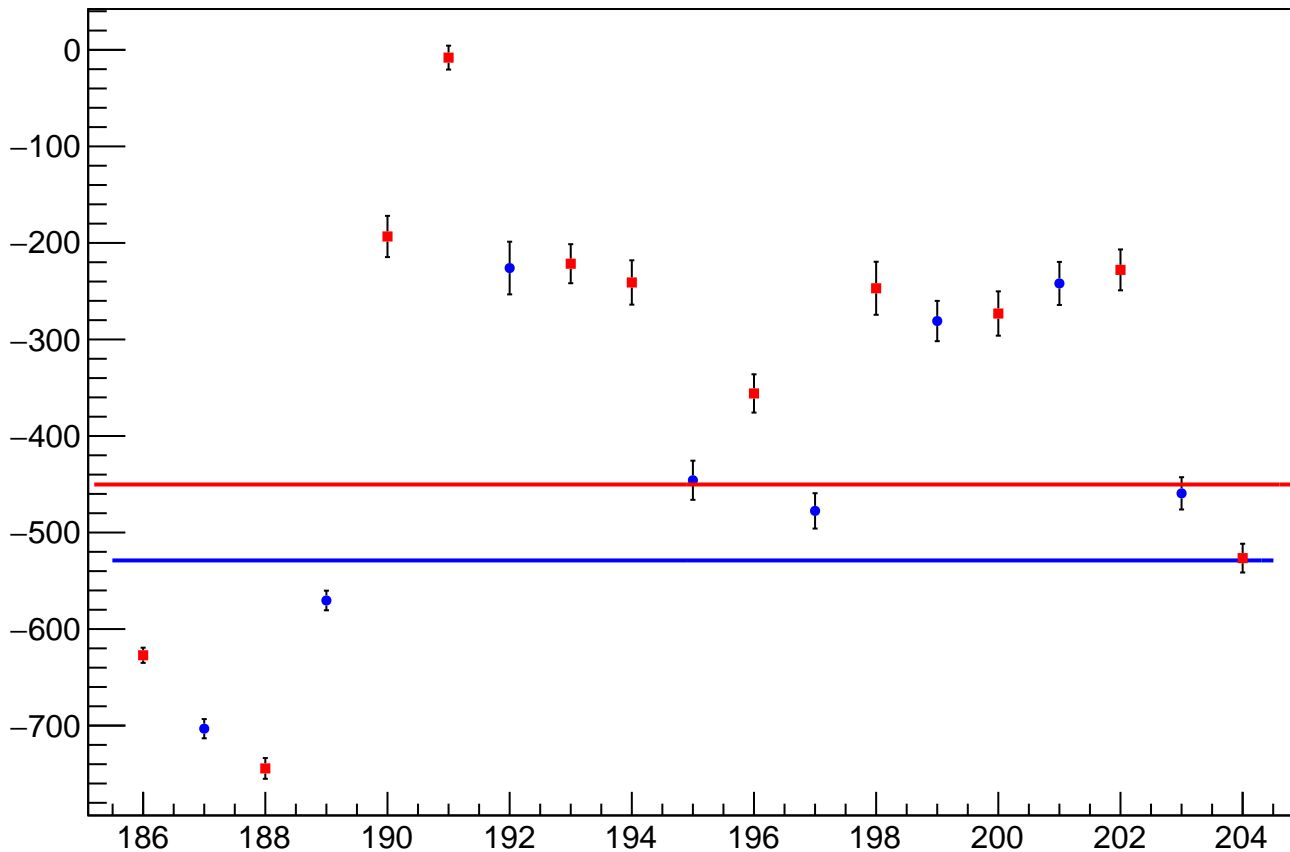
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-42.651 \pm 0.042$   $\chi^2/\text{NDF}: 324785.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr2\_diff\_bpm1X\_slope vs Slug



Right In:  $-528.903 \pm 5.393$   $\chi^2/\text{NDF}: 794.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-450.249 \pm 4.455$   $\chi^2/\text{NDF}: 3162.5/10$

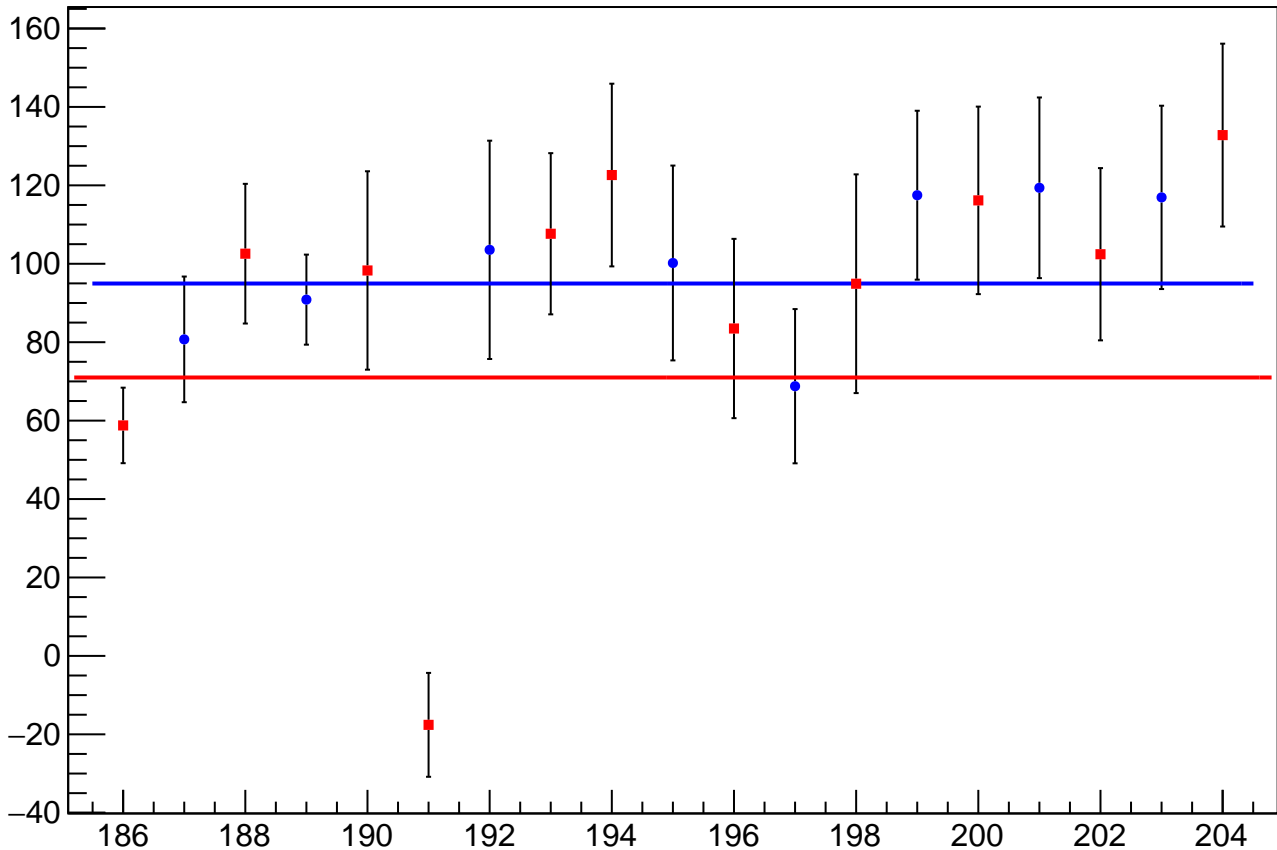
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-482.149 \pm 3.434$   $\chi^2/\text{NDF}: 4083.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug



Right In: 94.963+/-6.616  $\chi^2$ /NDF: 5.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 71.000+/-5.402  $\chi^2$ /NDF: 72.4/10

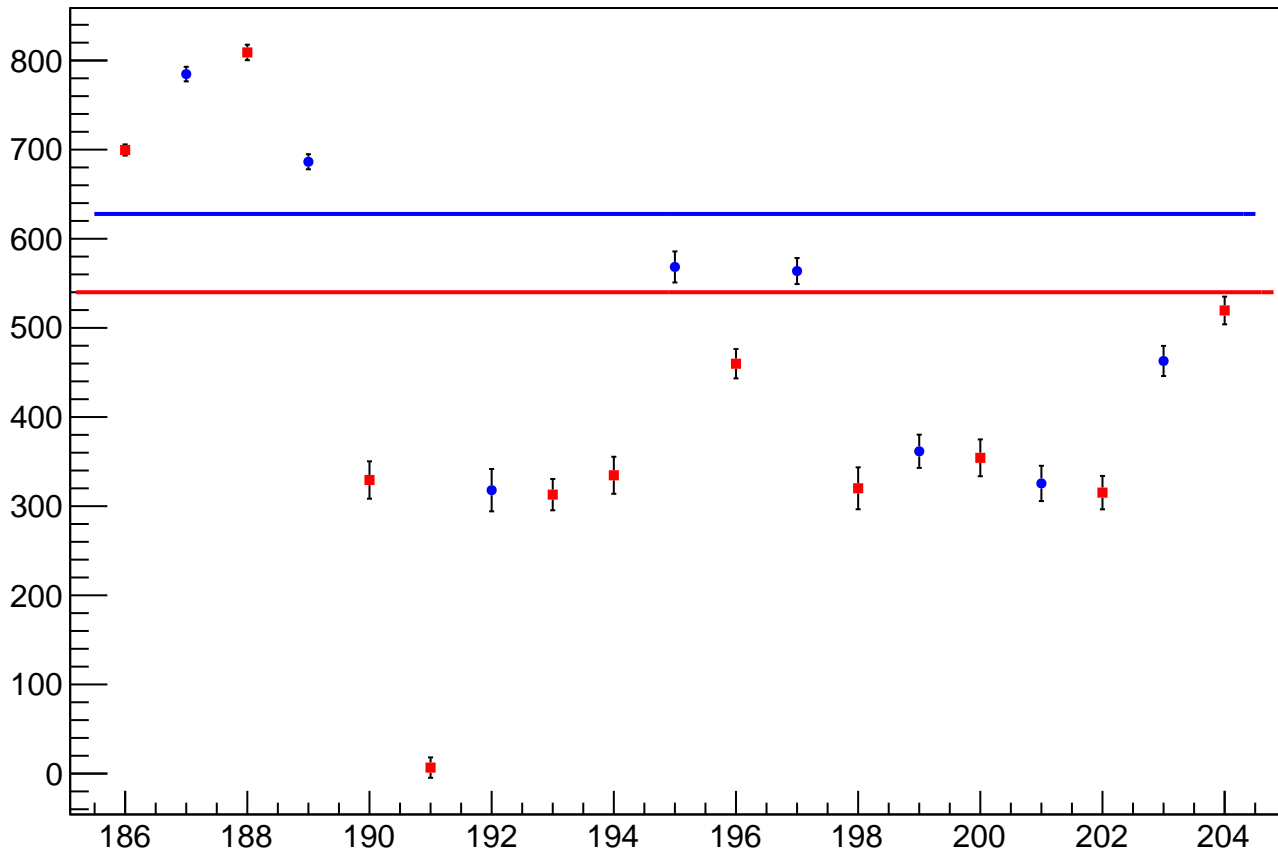
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 80.585+/-4.184  $\chi^2$ /NDF: 86.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug



Right In: 627.840 $\pm$ 4.587  $\chi^2$ /NDF: 1148.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 540.011 $\pm$ 3.809  $\chi^2$ /NDF: 4475.5/10

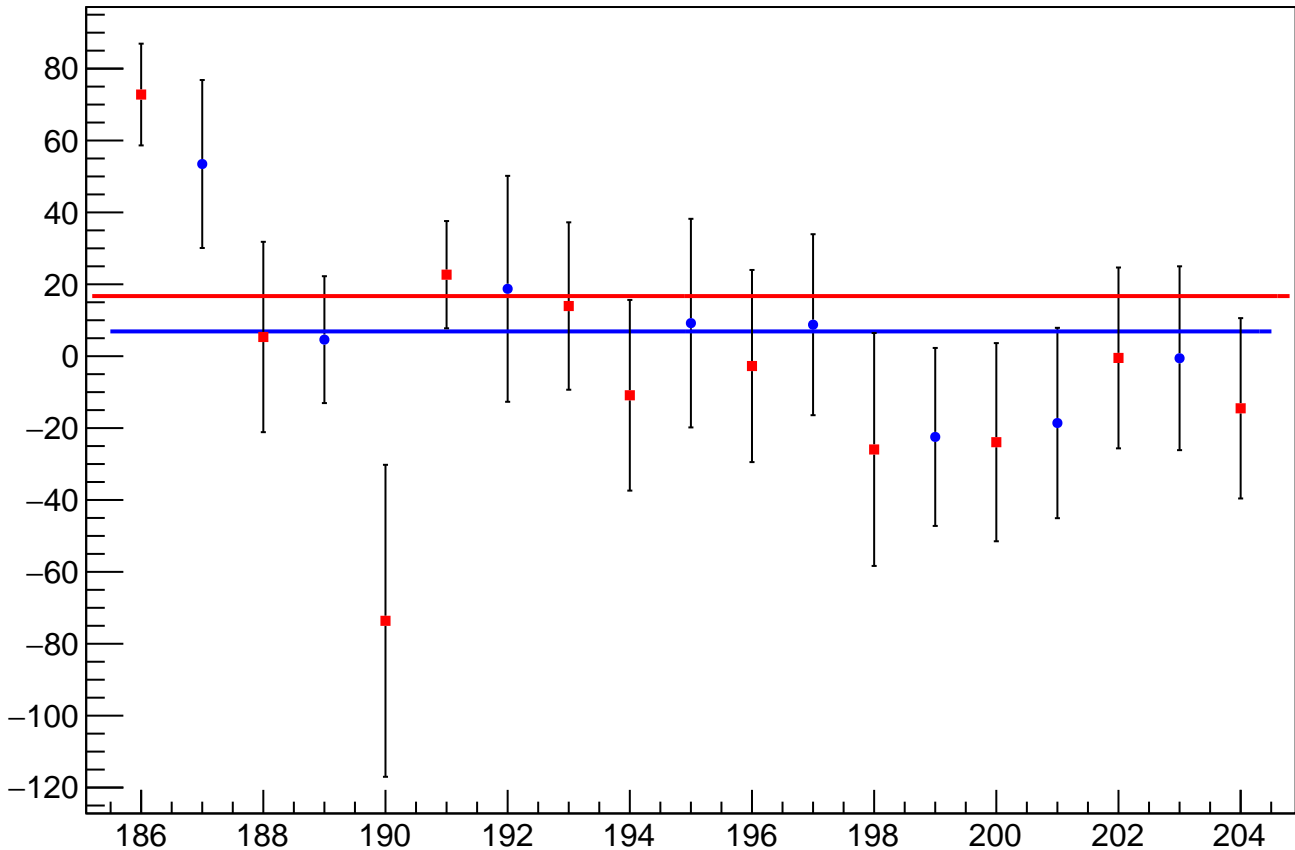
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 575.857 $\pm$ 2.930  $\chi^2$ /NDF: 5840.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug



Right In: 6.892+/-8.636  $\chi^2/\text{NDF}$ : 6.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 16.722+/-6.812  $\chi^2/\text{NDF}$ : 27.9/10

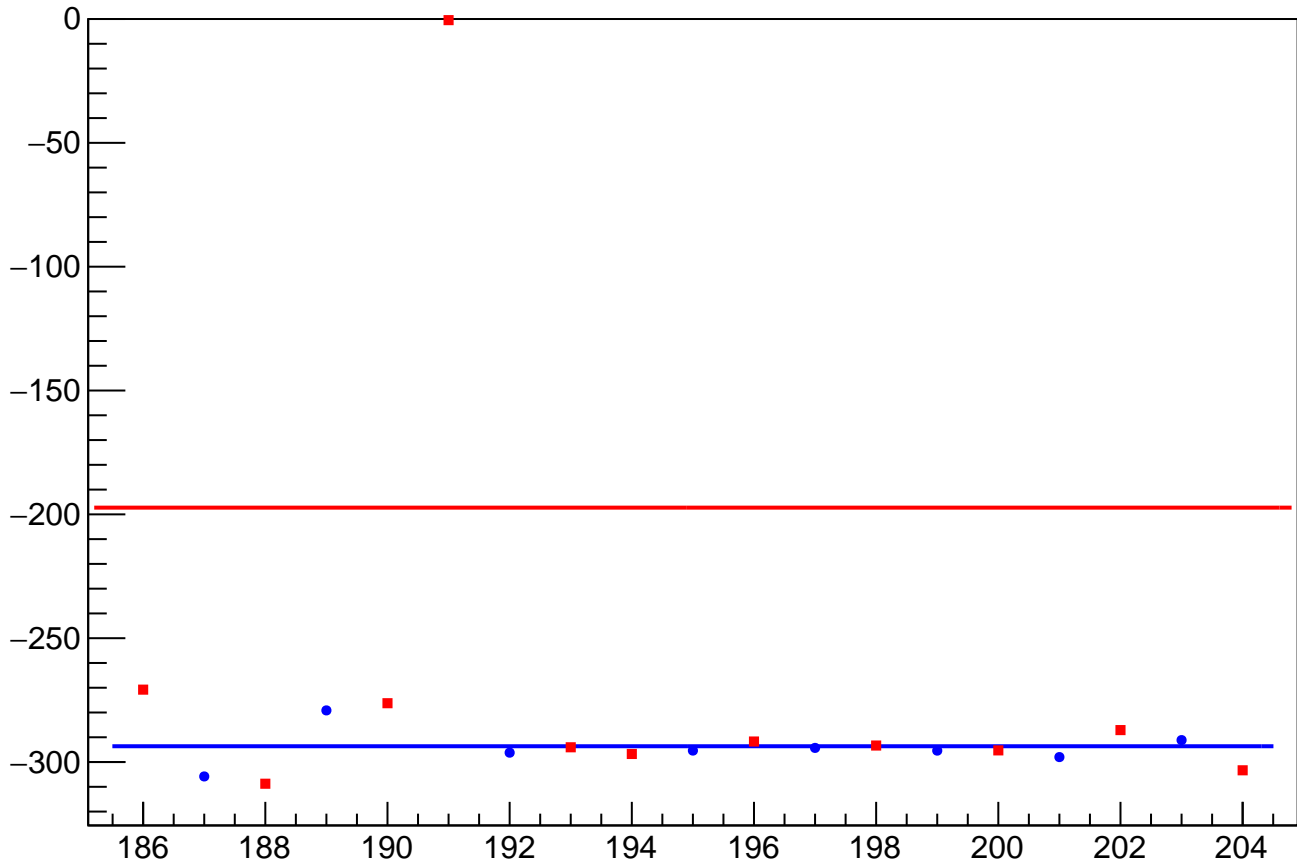
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 12.951+/-5.349  $\chi^2/\text{NDF}$ : 35.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug



Right In:  $-293.623 \pm 0.309$   $\chi^2/\text{NDF}: 449.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-197.284 \pm 0.233$   $\chi^2/\text{NDF}: 345061.3/10$

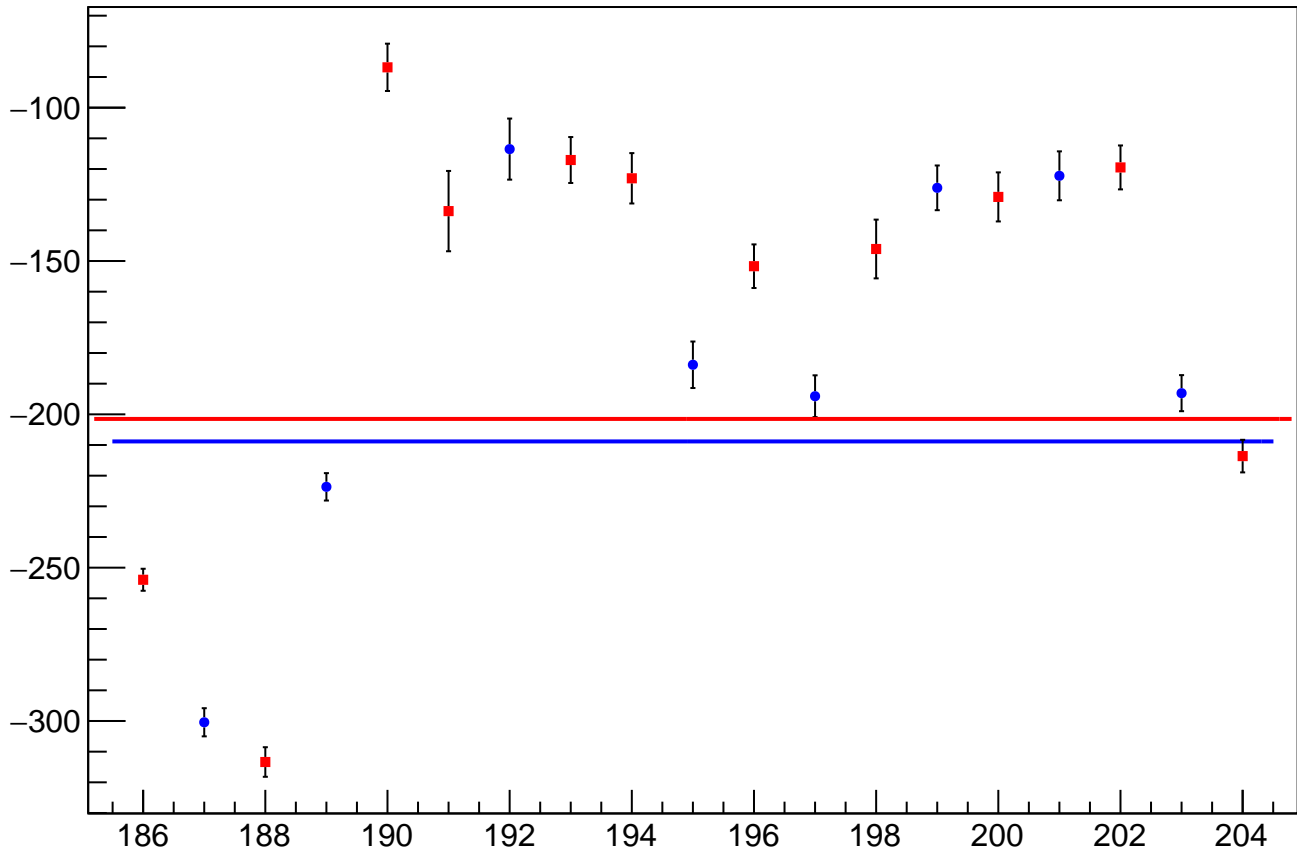
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-232.179 \pm 0.186$   $\chi^2/\text{NDF}: 407618.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-208.834 \pm 2.182$   $\chi^2/\text{NDF}$ : 769.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-201.497 \pm 1.900$   $\chi^2/\text{NDF}$ : 1518.1/10

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

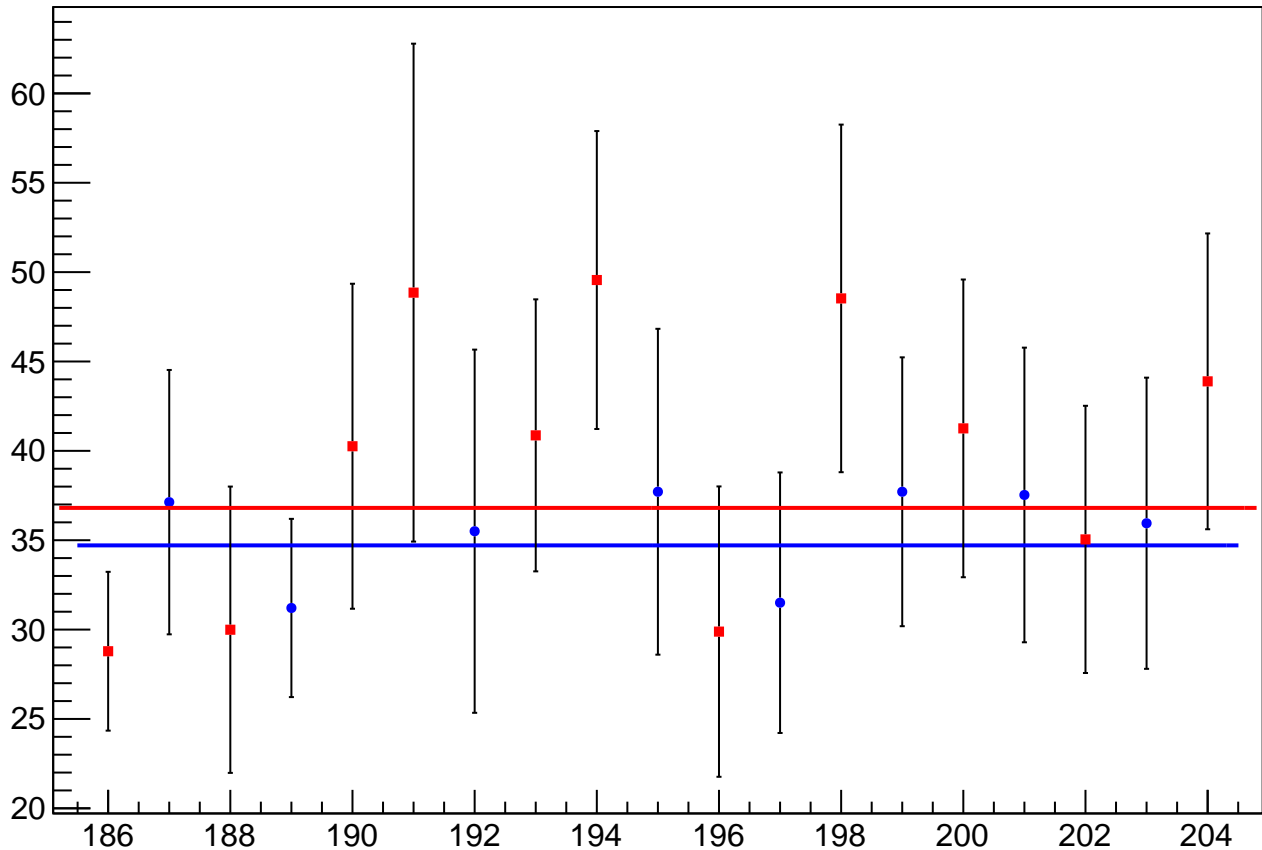
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-204.660 \pm 1.433$   $\chi^2/\text{NDF}$ : 2294.2/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 34.711 $\pm$ 2.613  $\chi^2$ /NDF: 1.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 36.808 $\pm$ 2.308  $\chi^2$ /NDF: 10.8/10

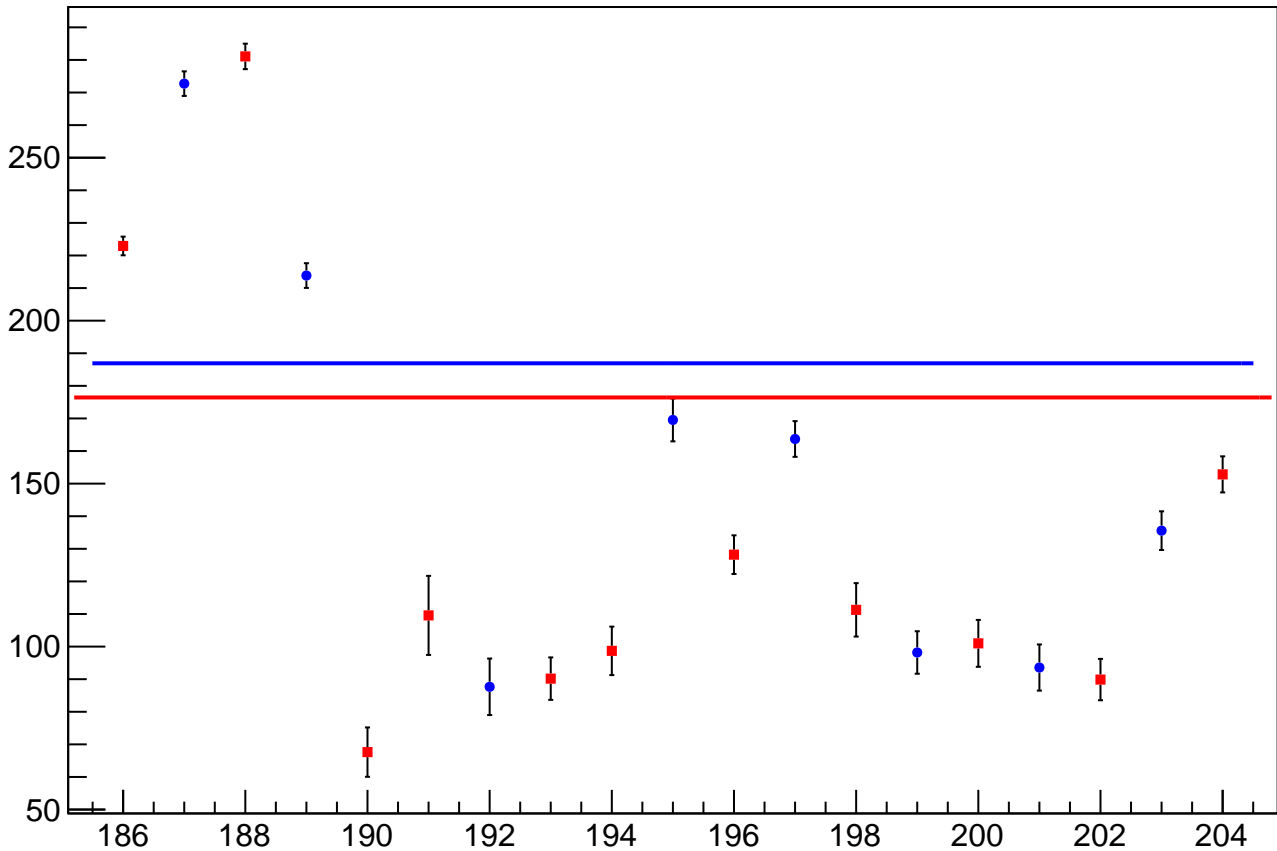
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 35.889 $\pm$ 1.730  $\chi^2$ /NDF: 12.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 186.920 $\pm$ 1.884  $\chi^2$ /NDF: 1157.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 176.436 $\pm$ 1.637  $\chi^2$ /NDF: 1944.2/10

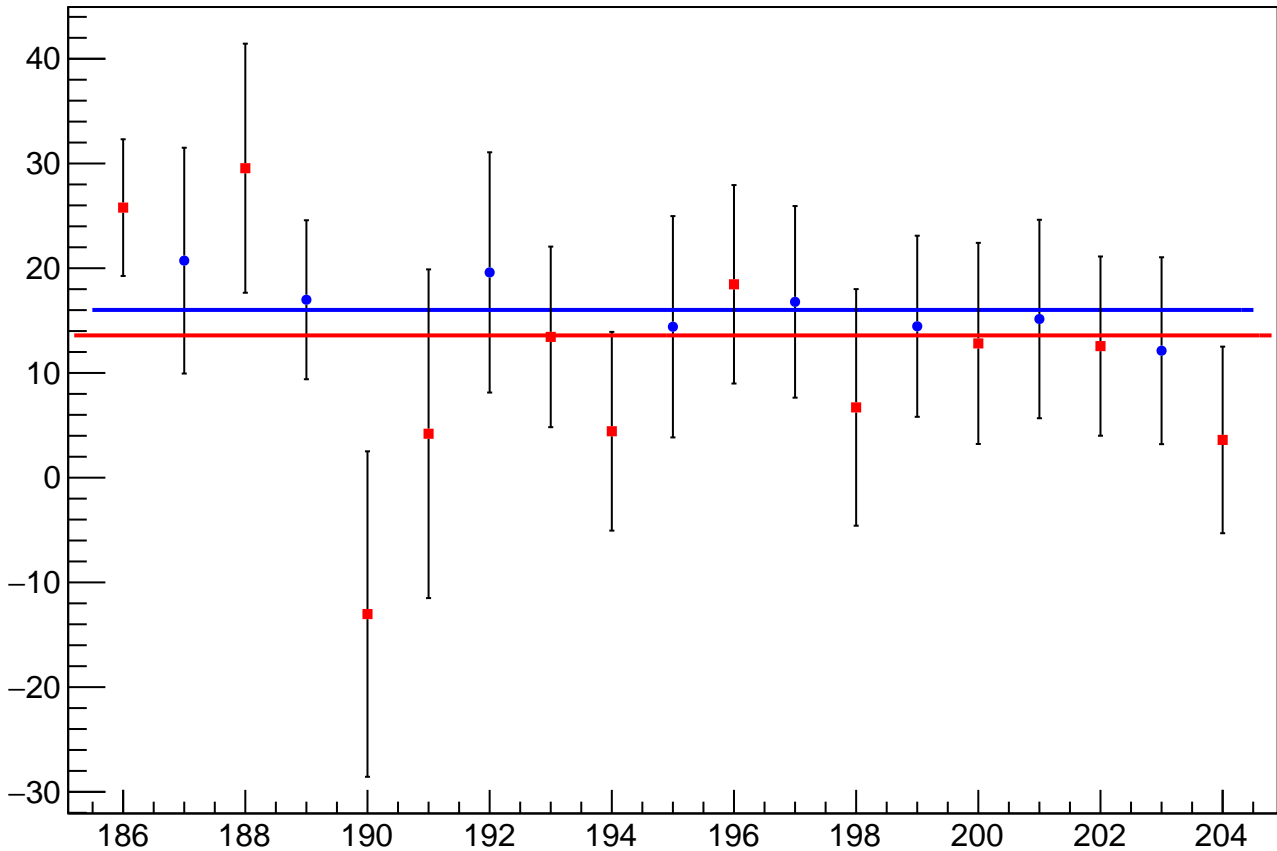
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 180.946 $\pm$ 1.236  $\chi^2$ /NDF: 3119.7/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 16.018+/-3.305  $\chi^2/\text{NDF}$ : 0.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.585+/-2.894  $\chi^2/\text{NDF}$ : 11.4/10

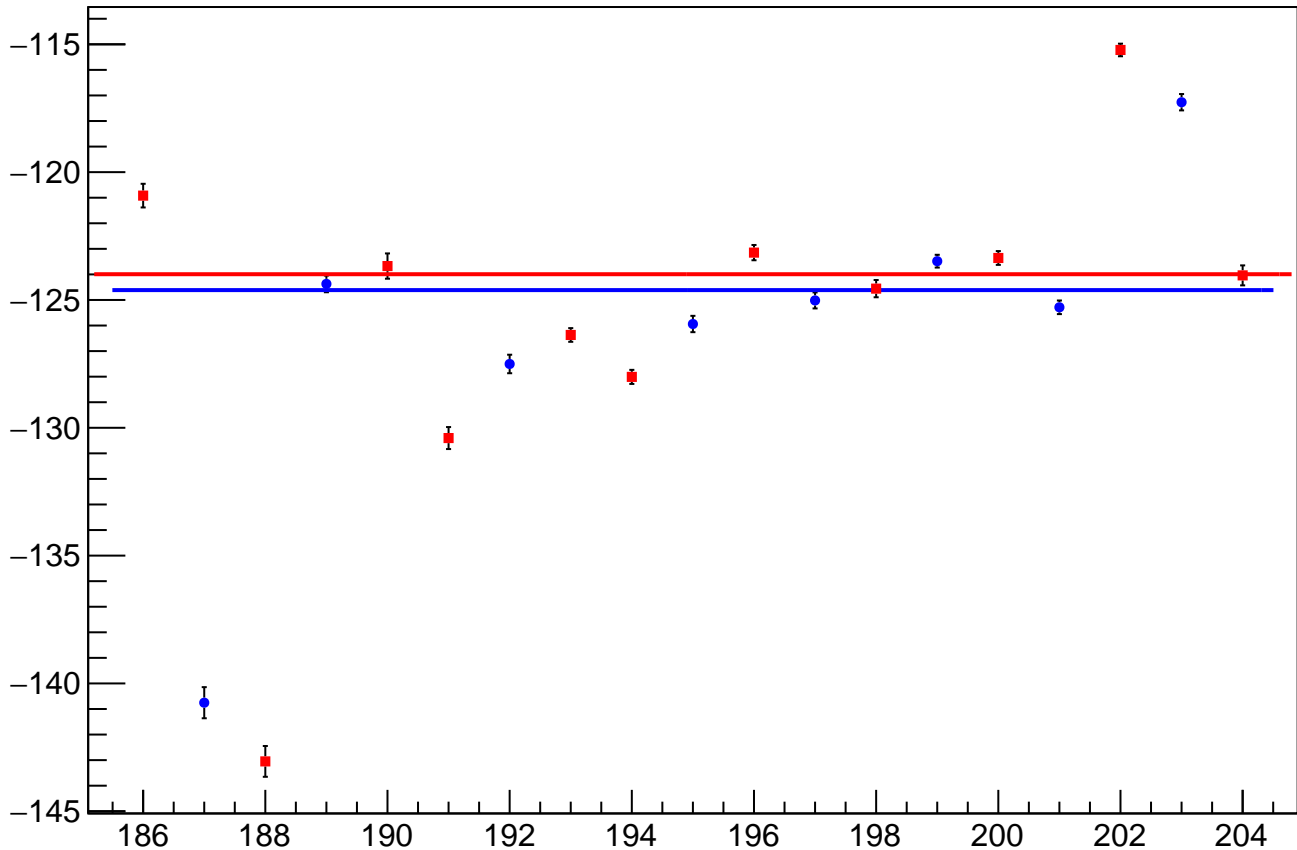
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 14.641+/-2.177  $\chi^2/\text{NDF}$ : 12.3/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-124.614 \pm 0.112$   $\chi^2/\text{NDF}: 1341.1/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-123.993 \pm 0.100$   $\chi^2/\text{NDF}: 2844.9/10$

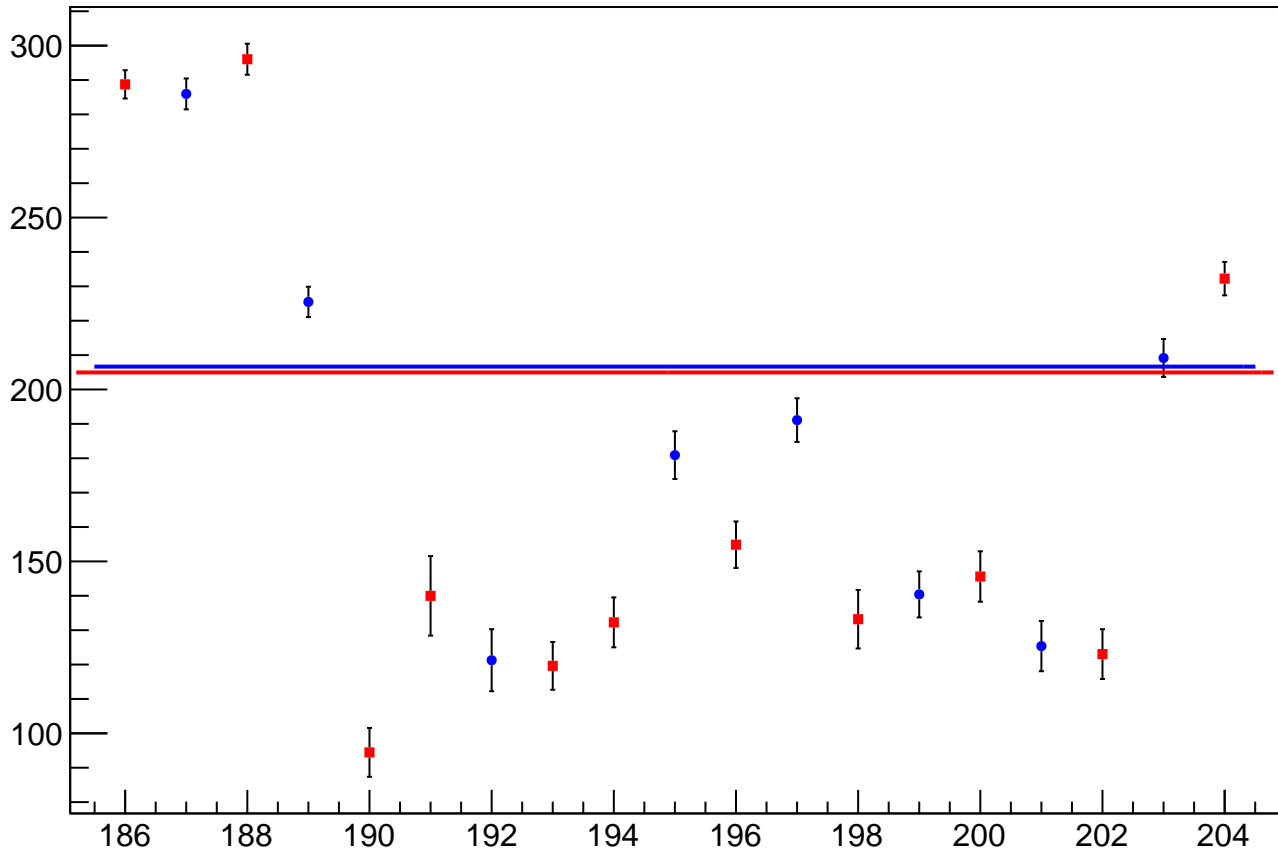
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-124.267 \pm 0.074$   $\chi^2/\text{NDF}: 4203.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 206.651+/-2.074  $\chi^2$ /NDF: 660.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 204.955+/-1.855  $\chi^2$ /NDF: 1696.9/10

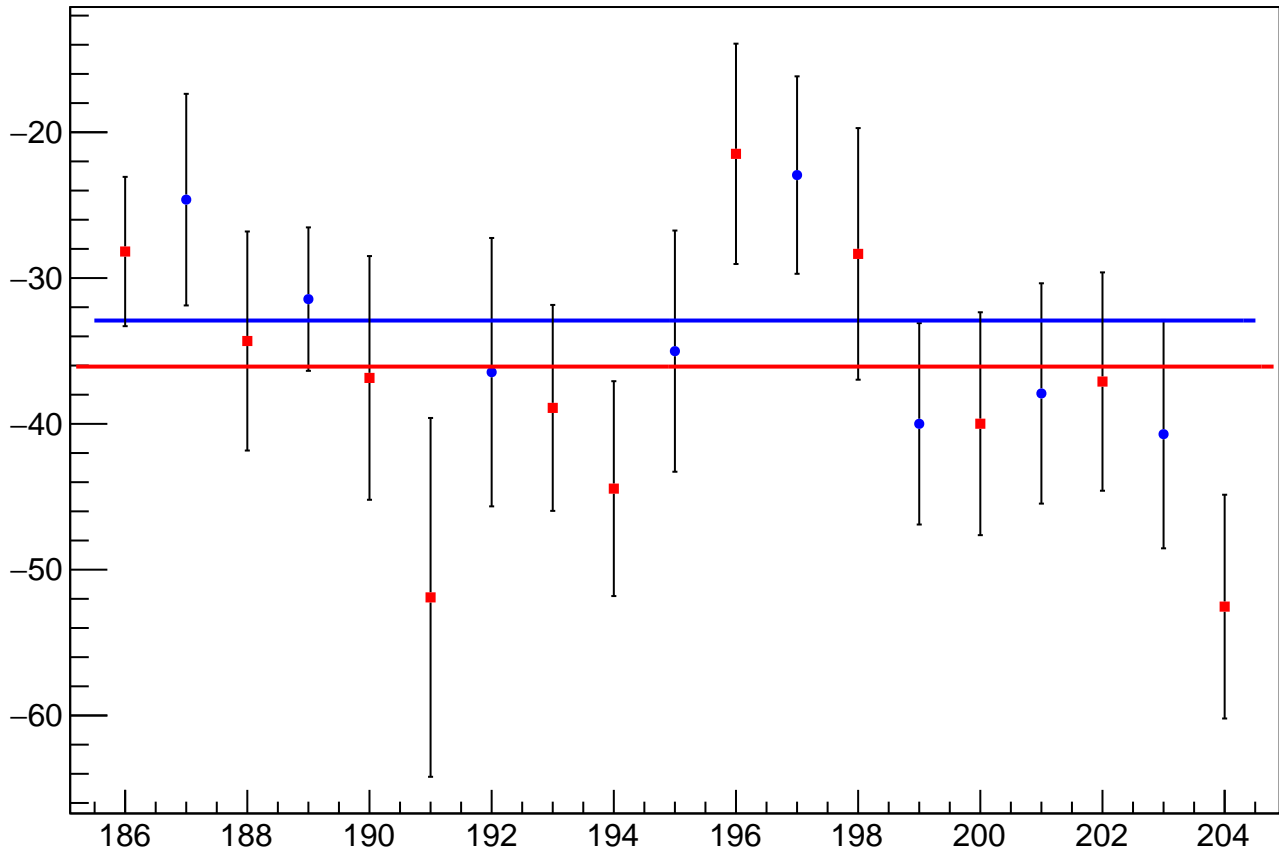
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 205.708+/-1.383  $\chi^2$ /NDF: 2357.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-32.913 \pm 2.474$   $\chi^2/\text{NDF}: 6.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-36.072 \pm 2.246$   $\chi^2/\text{NDF}: 15.0/10$

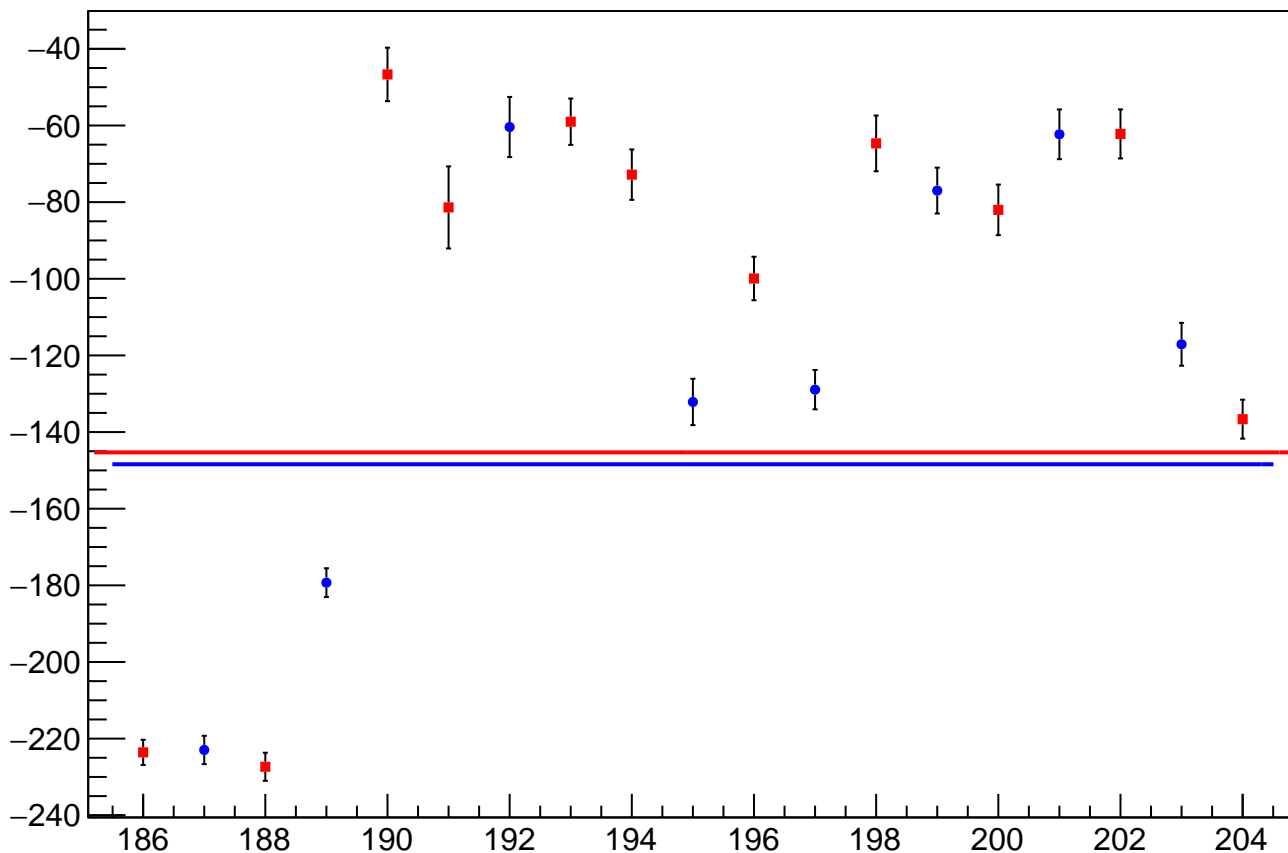
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-34.644 \pm 1.663$   $\chi^2/\text{NDF}: 22.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-148.405 \pm 1.798$   $\chi^2/\text{NDF}$ : 971.3/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-145.304 \pm 1.616$   $\chi^2/\text{NDF}$ : 2079.8/10

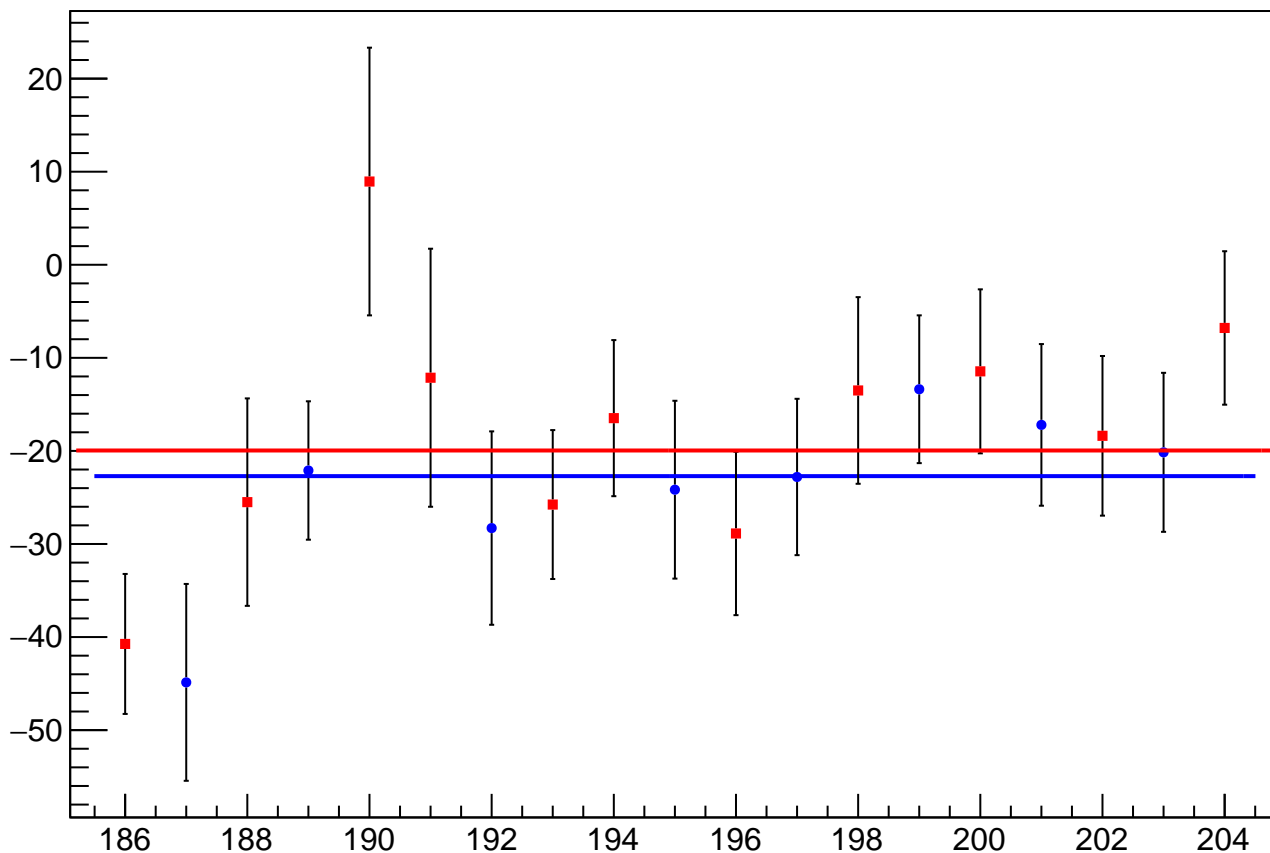
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-146.690 \pm 1.202$   $\chi^2/\text{NDF}$ : 3052.7/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-22.710 \pm 3.097$   $\chi^2/\text{NDF}$ : 6.6/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-19.955 \pm 2.776$   $\chi^2/\text{NDF}$ : 17.9/10

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

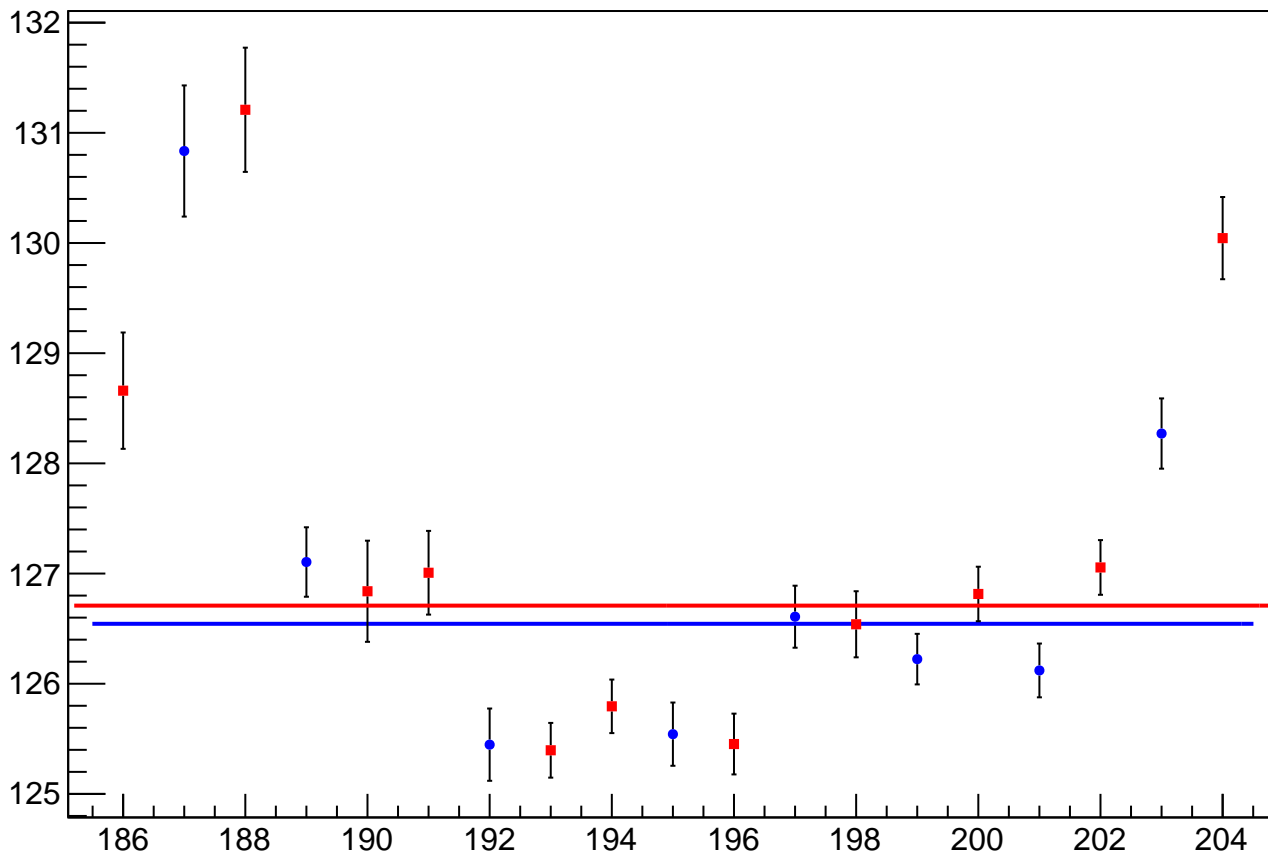
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-21.182 \pm 2.067$   $\chi^2/\text{NDF}$ : 24.9/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 126.544 $\pm$ 0.104  $\chi^2$ /NDF: 112.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 126.709 $\pm$ 0.093  $\chi^2$ /NDF: 223.3/10

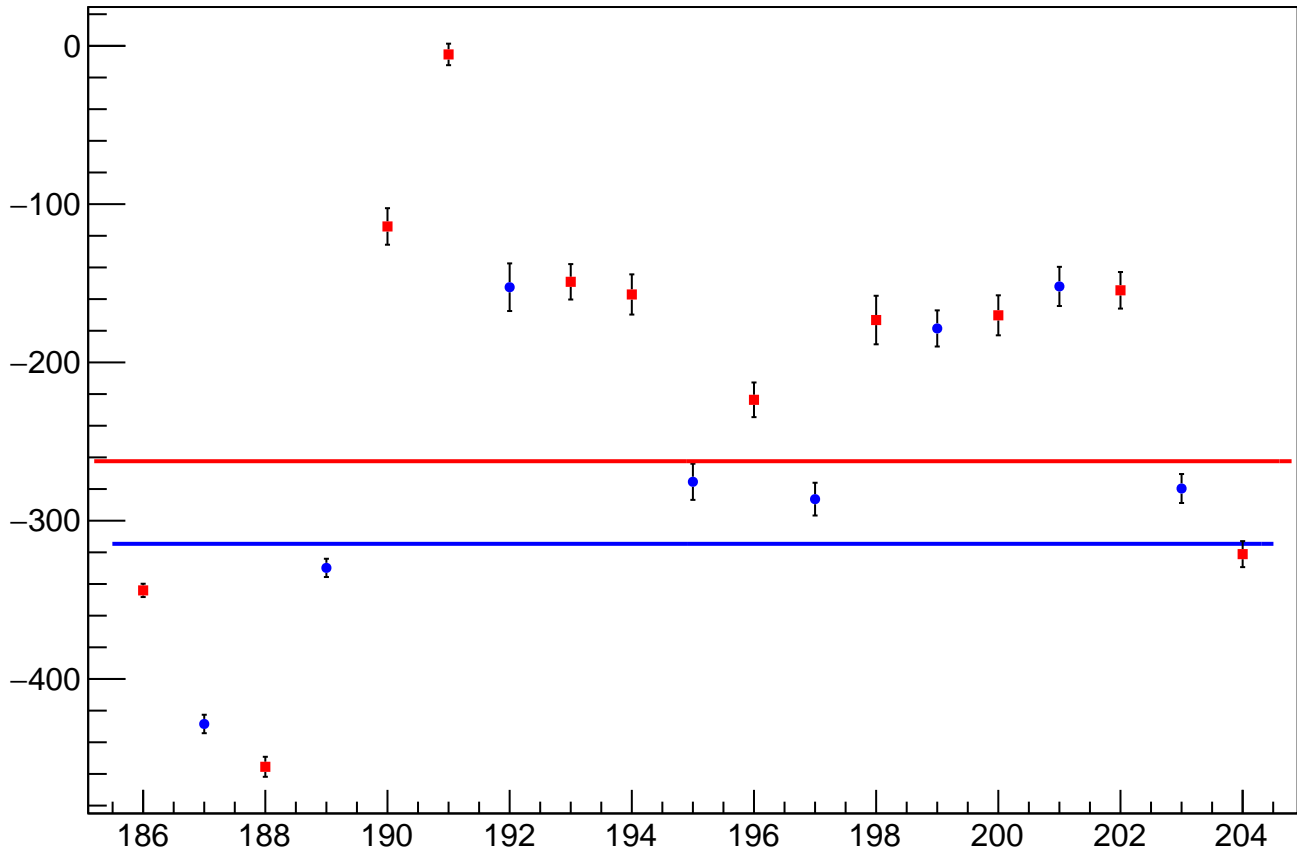
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 126.636 $\pm$ 0.069  $\chi^2$ /NDF: 337.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-314.615 \pm 3.057$   $\chi^2/\text{NDF}: 852.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-262.420 \pm 2.453$   $\chi^2/\text{NDF}: 3315.0/10$

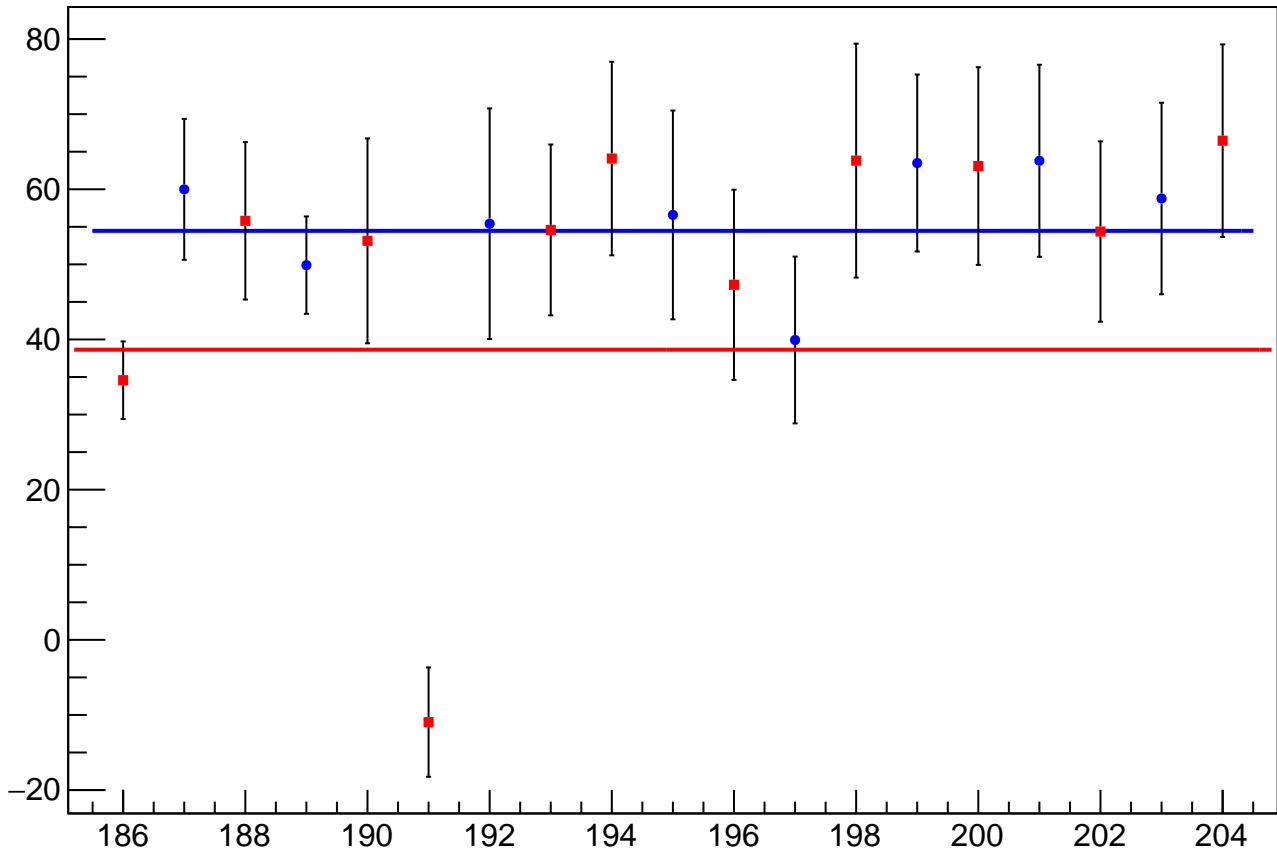
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-282.867 \pm 1.913$   $\chi^2/\text{NDF}: 4344.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 54.462+/-3.723  $\chi^2$ /NDF: 3.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 38.638+/-2.964  $\chi^2$ /NDF: 69.6/10

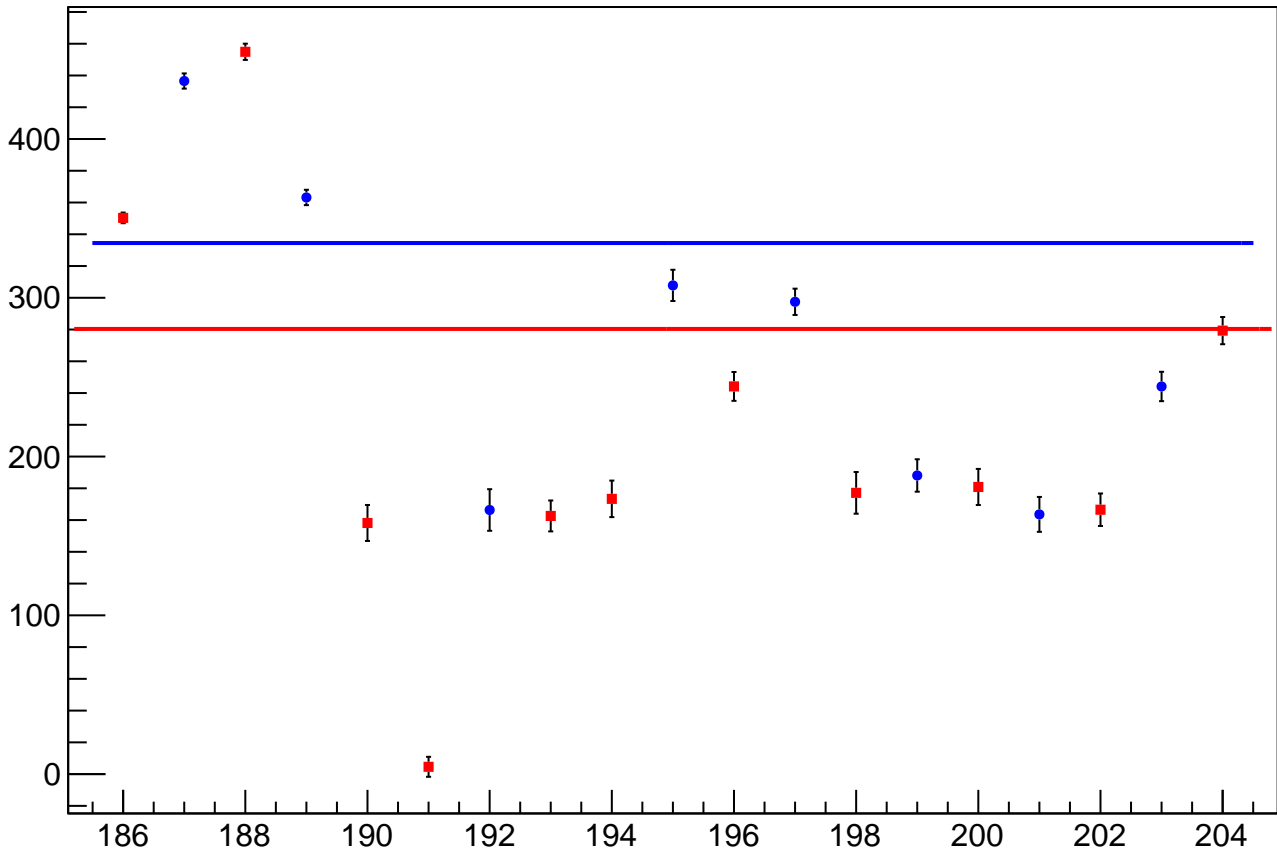
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 44.778+/-2.319  $\chi^2$ /NDF: 84.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 334.478+/-2.612  $\chi^2$ /NDF: 1224.1/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 280.381+/-2.098  $\chi^2$ /NDF: 4146.5/10

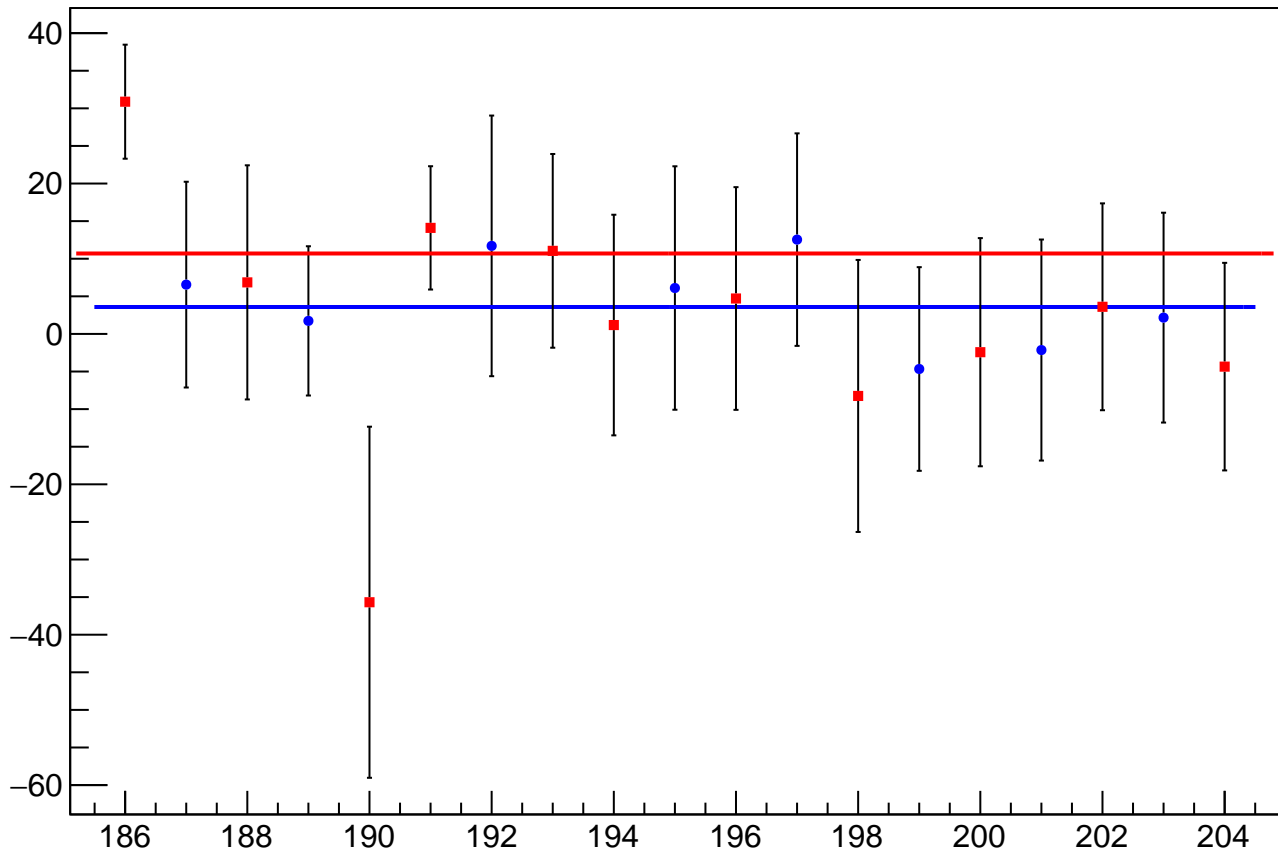
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 301.601+/-1.636  $\chi^2$ /NDF: 5631.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 3.581+/-4.830  $\chi^2/\text{NDF}$ : 1.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.697+/-3.743  $\chi^2/\text{NDF}$ : 15.2/10

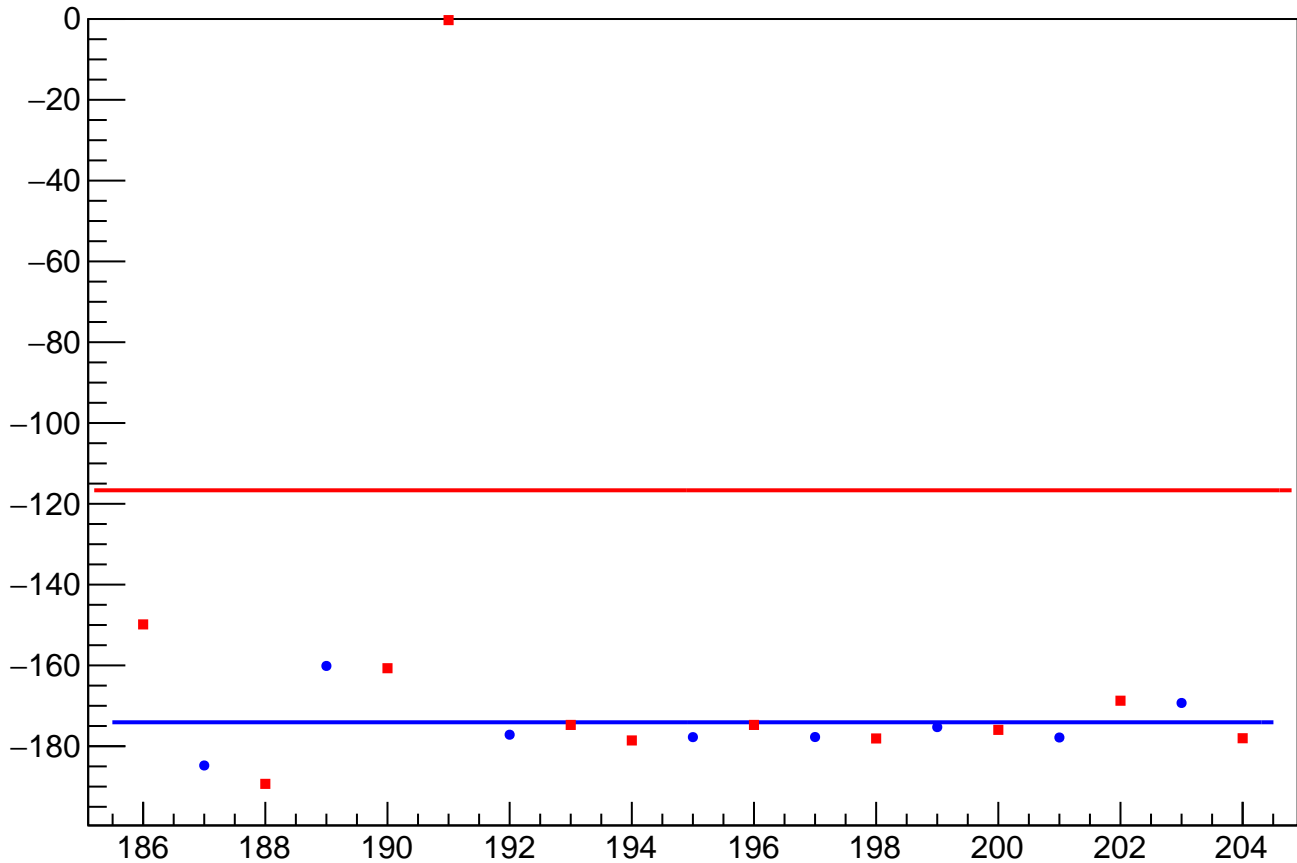
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.027+/-2.958  $\chi^2/\text{NDF}$ : 17.8/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-174.079 \pm 0.170$   $\chi^2/\text{NDF}: 1479.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-116.656 \pm 0.128$   $\chi^2/\text{NDF}: 401996.4/10$

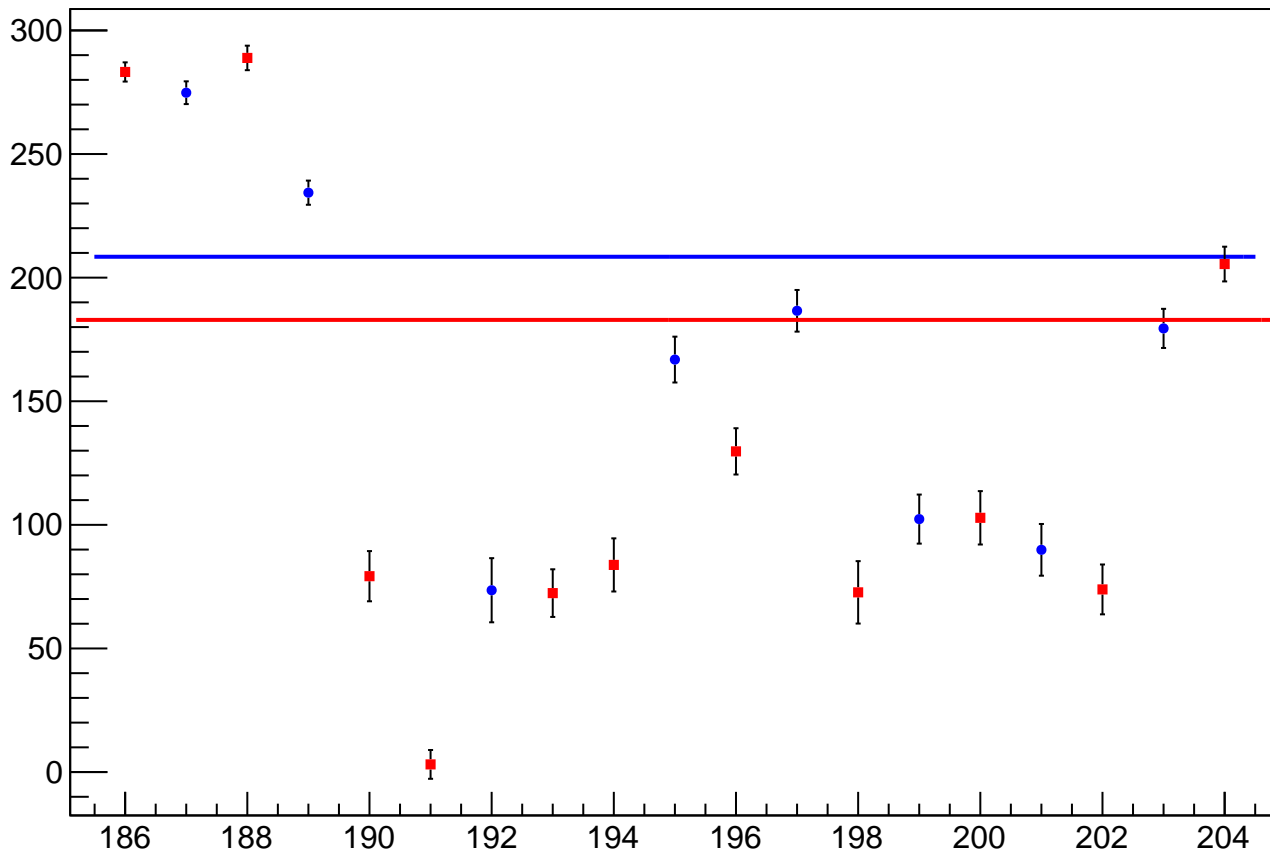
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-137.404 \pm 0.102$   $\chi^2/\text{NDF}: 476104.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 208.448 $\pm$ 2.532  $\chi^2$ /NDF: 627.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 182.903 $\pm$ 2.123  $\chi^2$ /NDF: 2687.0/10

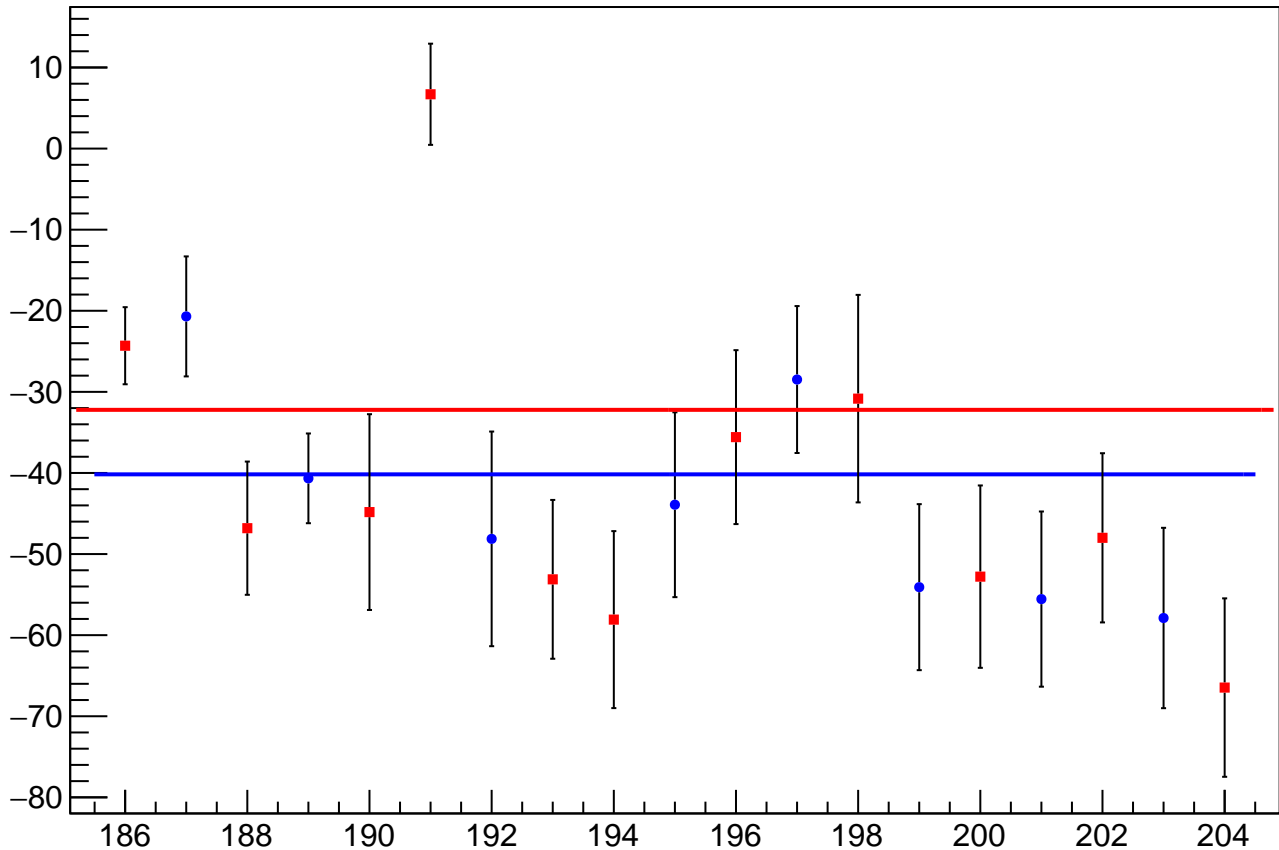
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 193.449 $\pm$ 1.627  $\chi^2$ /NDF: 3374.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-40.171 \pm 3.120$   $\chi^2/\text{NDF}: 15.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-32.216 \pm 2.577$   $\chi^2/\text{NDF}: 71.5/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

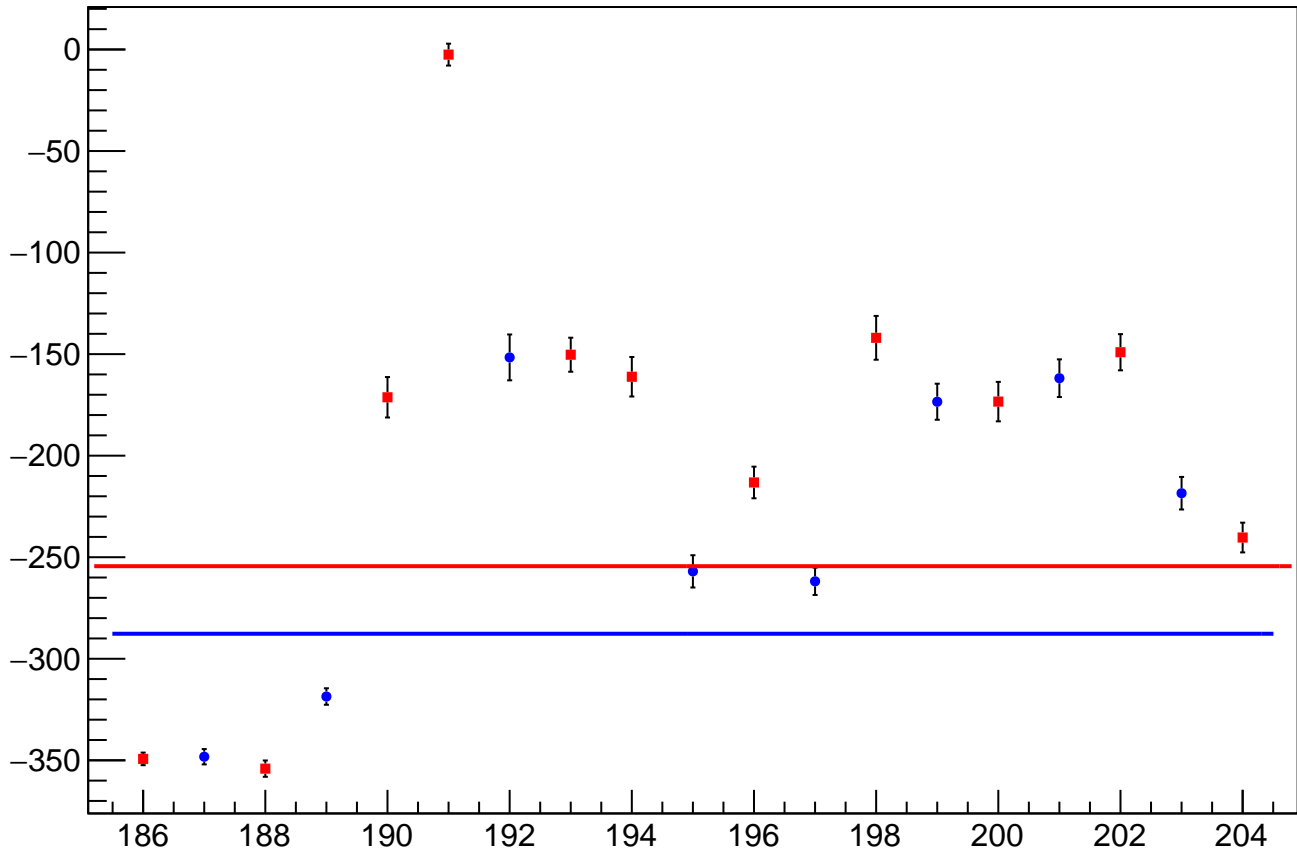
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-35.442 \pm 1.987$   $\chi^2/\text{NDF}: 90.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-287.681 \pm 2.150$   $\chi^2/\text{NDF}$ : 913.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-254.419 \pm 1.819$   $\chi^2/\text{NDF}$ : 4401.6/10

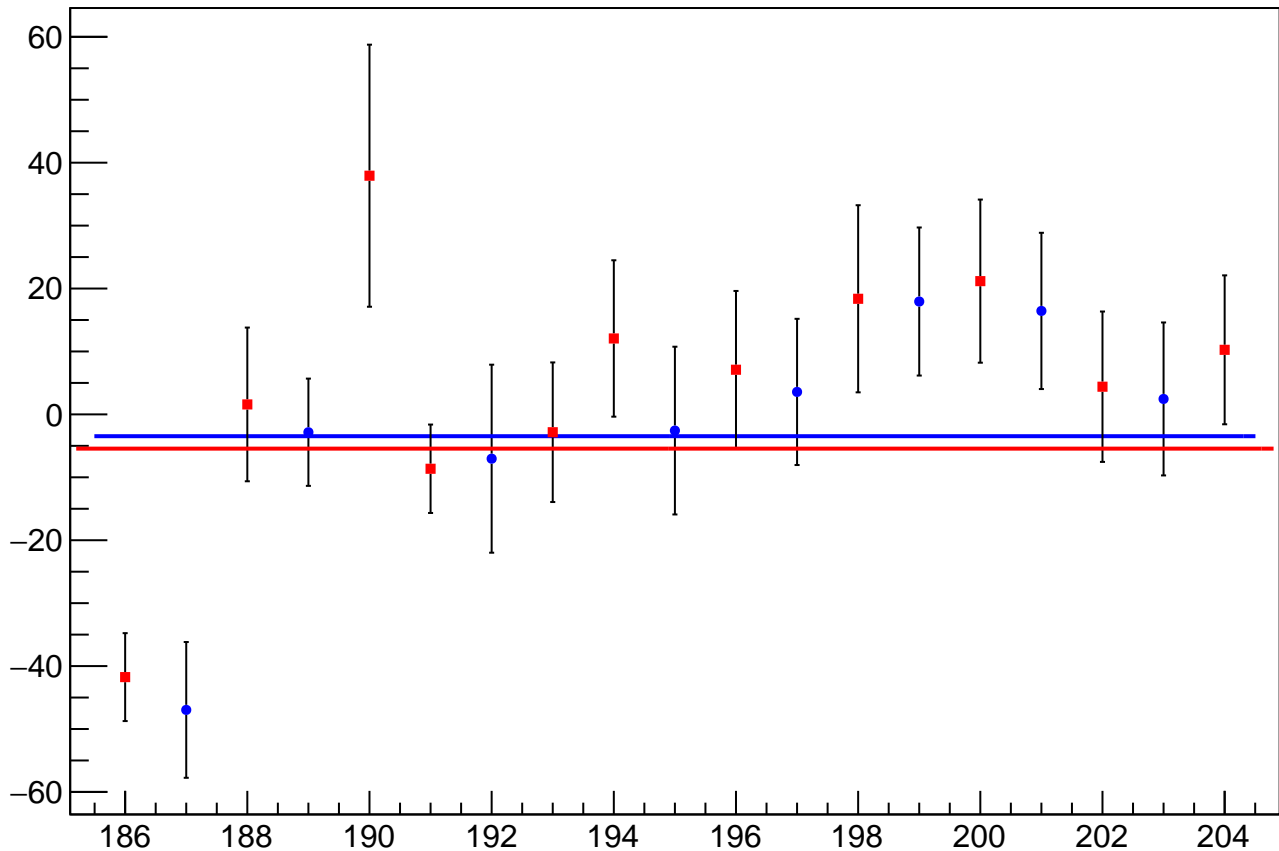
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-268.291 \pm 1.388$   $\chi^2/\text{NDF}$ : 5454.8/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-3.467 \pm 4.070$   $\chi^2/\text{NDF}: 22.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.443 \pm 3.238$   $\chi^2/\text{NDF}: 44.2/10$

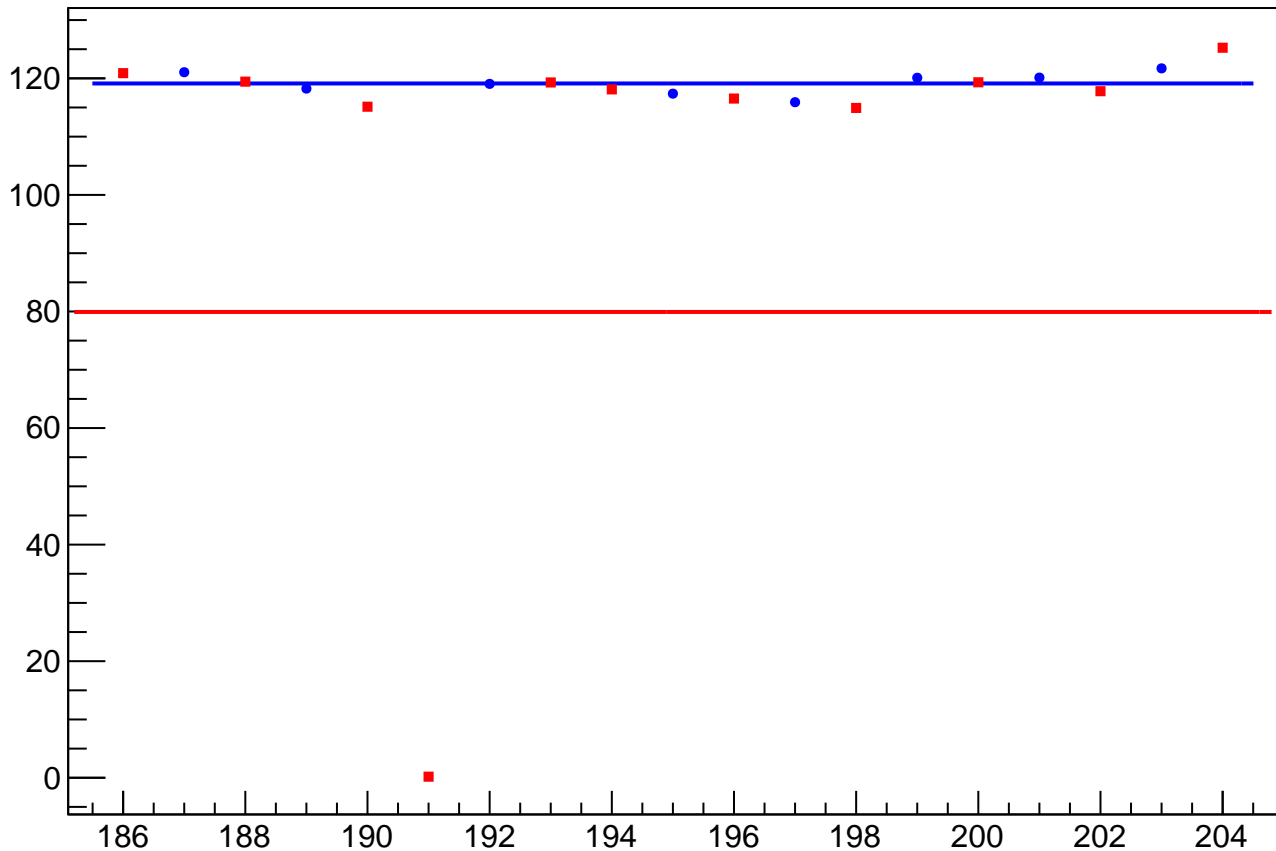
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-4.677 \pm 2.534$   $\chi^2/\text{NDF}: 67.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 119.121+/-0.146  $\chi^2/\text{NDF}$ : 144.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 79.919+/-0.110  $\chi^2/\text{NDF}$ : 255570.7/10

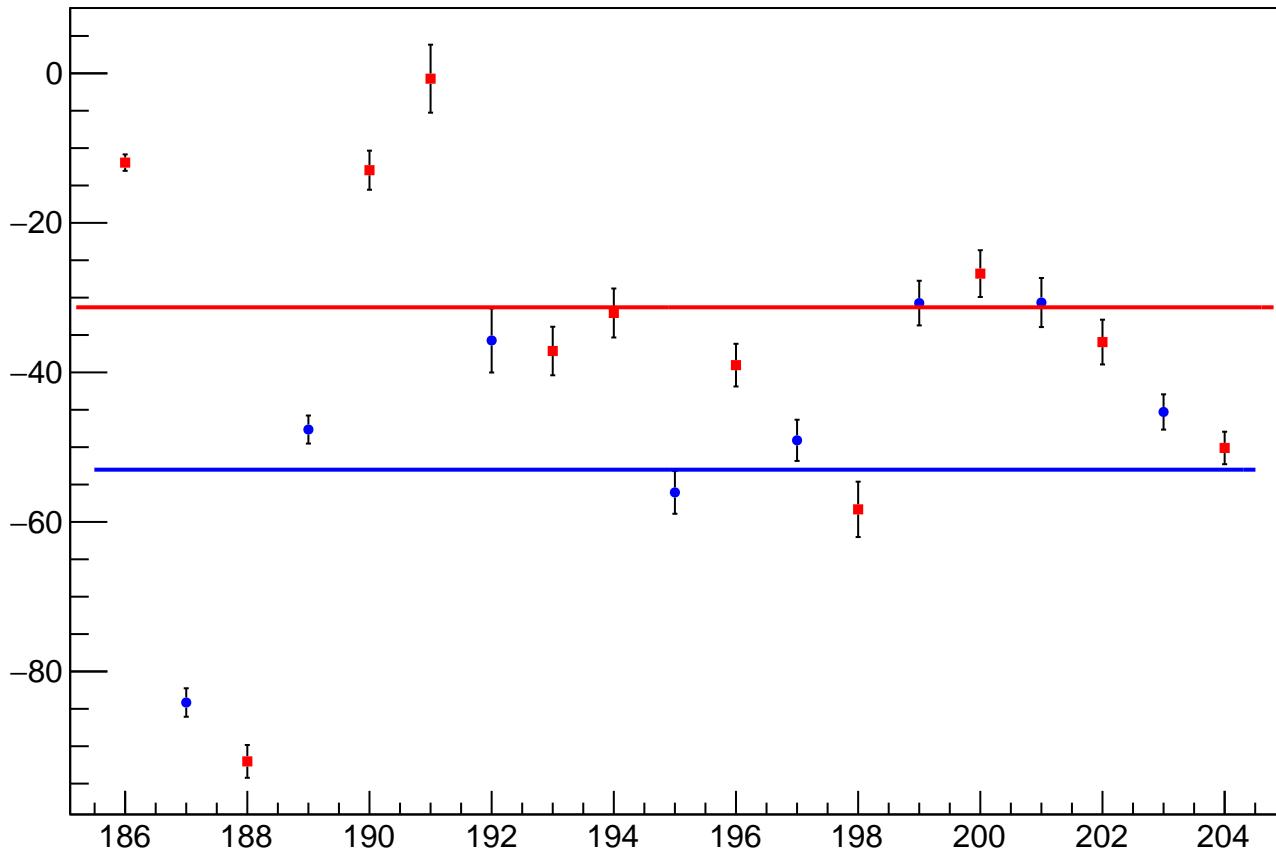
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 94.093+/-0.088  $\chi^2/\text{NDF}$ : 301779.0/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-53.011 \pm 0.893$   $\chi^2/\text{NDF}: 407.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-31.293 \pm 0.700$   $\chi^2/\text{NDF}: 1315.2/10$

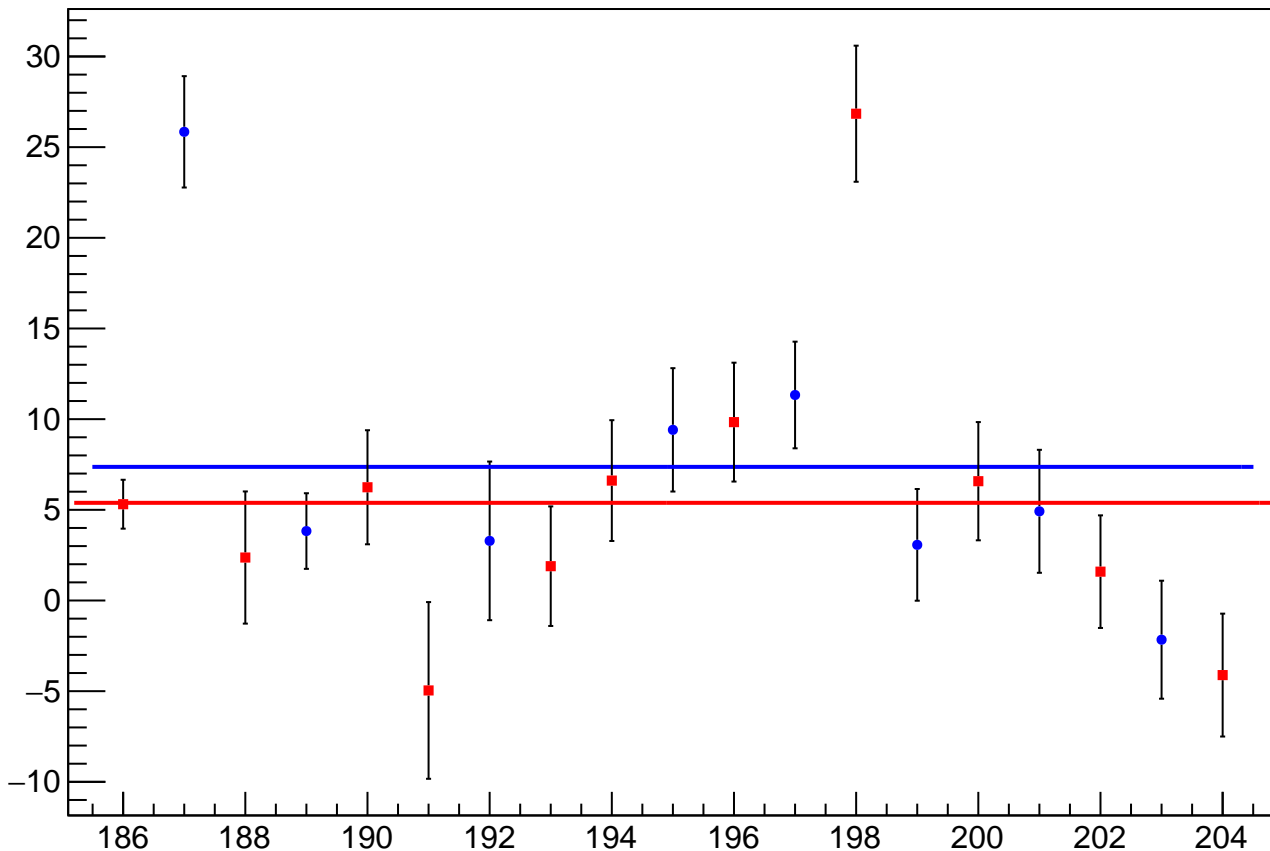
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-39.556 \pm 0.551$   $\chi^2/\text{NDF}: 2089.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 7.369+/-1.068  $\chi^2/\text{NDF}$ : 53.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.386+/-0.845  $\chi^2/\text{NDF}$ : 50.6/10

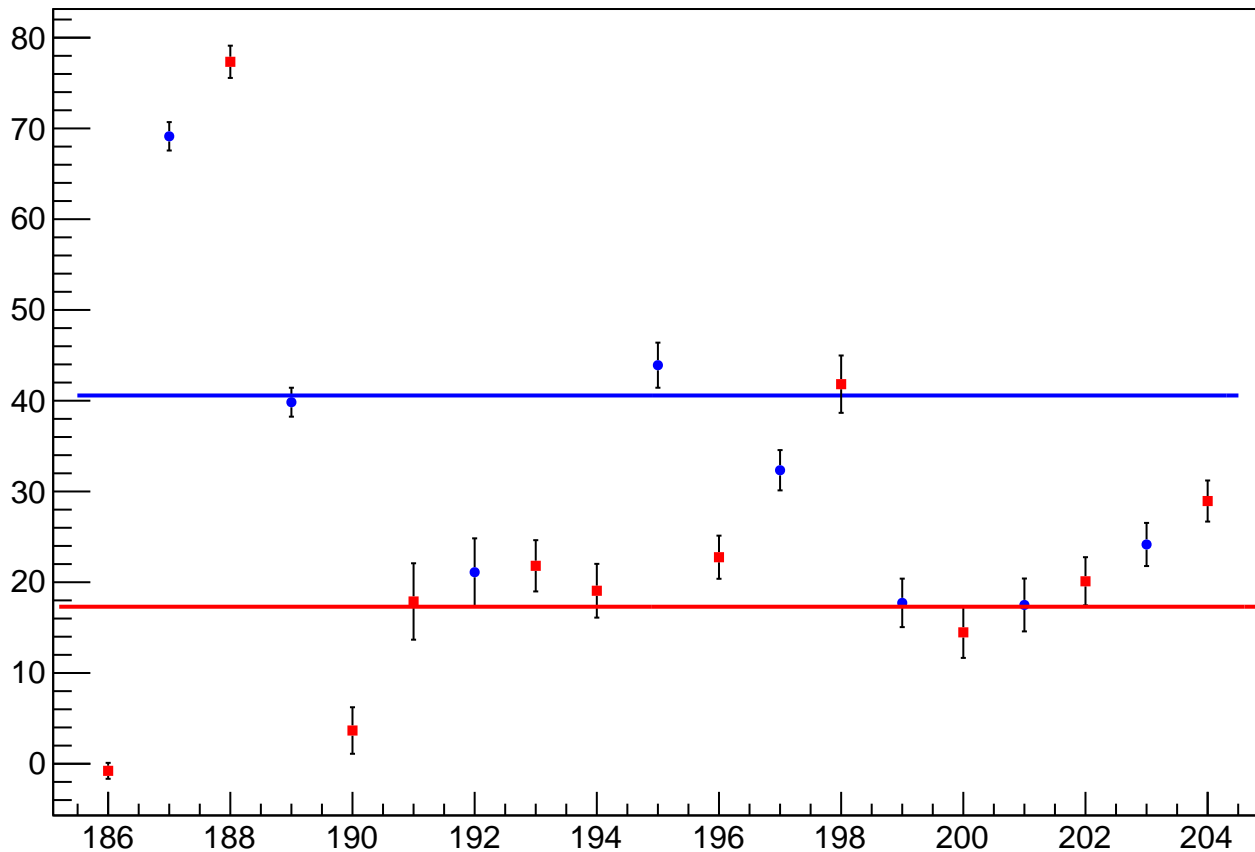
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.150+/-0.663  $\chi^2/\text{NDF}$ : 105.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 40.576+/-0.773  $\chi^2$ /NDF: 559.3/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 17.302+/-0.597  $\chi^2$ /NDF: 1690.7/10

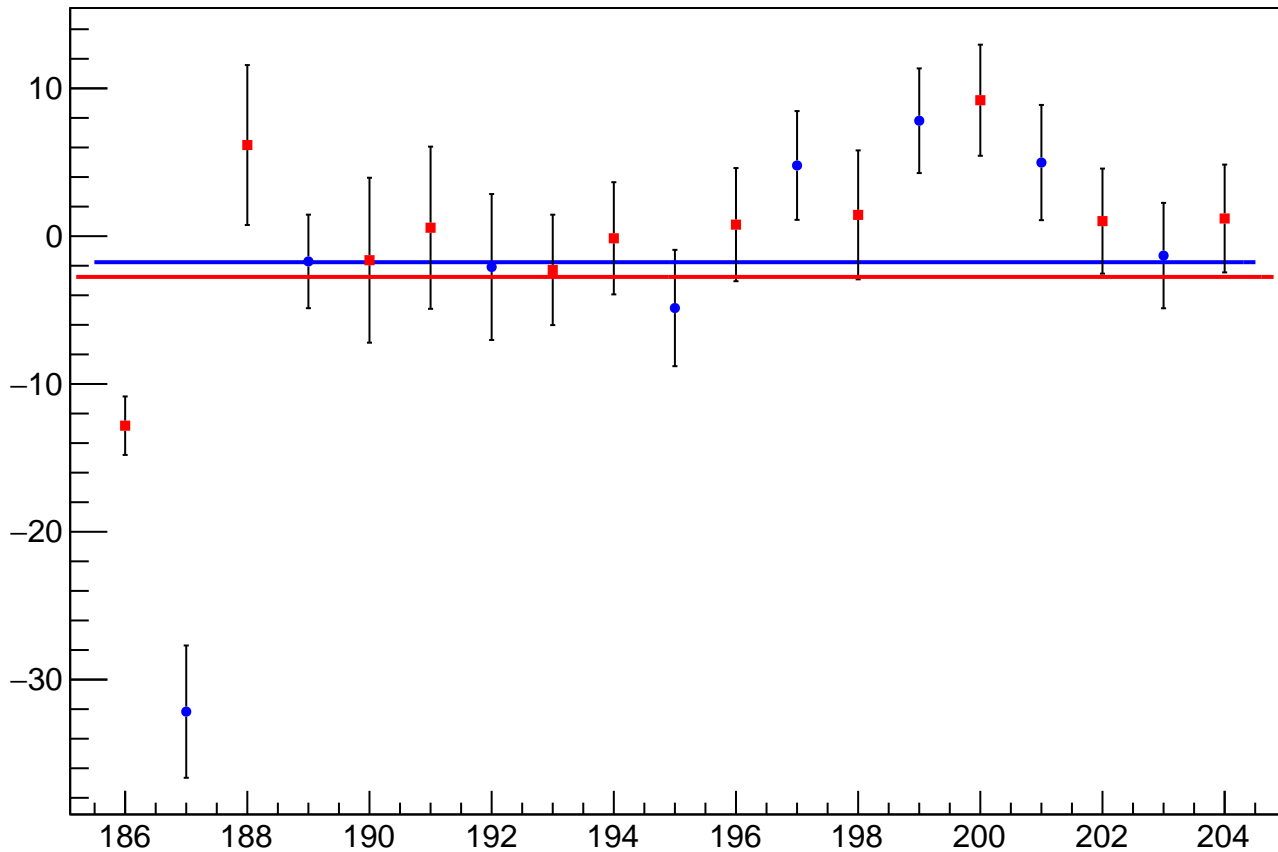
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 26.003+/-0.473  $\chi^2$ /NDF: 2817.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-1.762 \pm 1.344$   $\chi^2/\text{NDF}$ : 60.2/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.757 \pm 1.090$   $\chi^2/\text{NDF}$ : 43.7/10

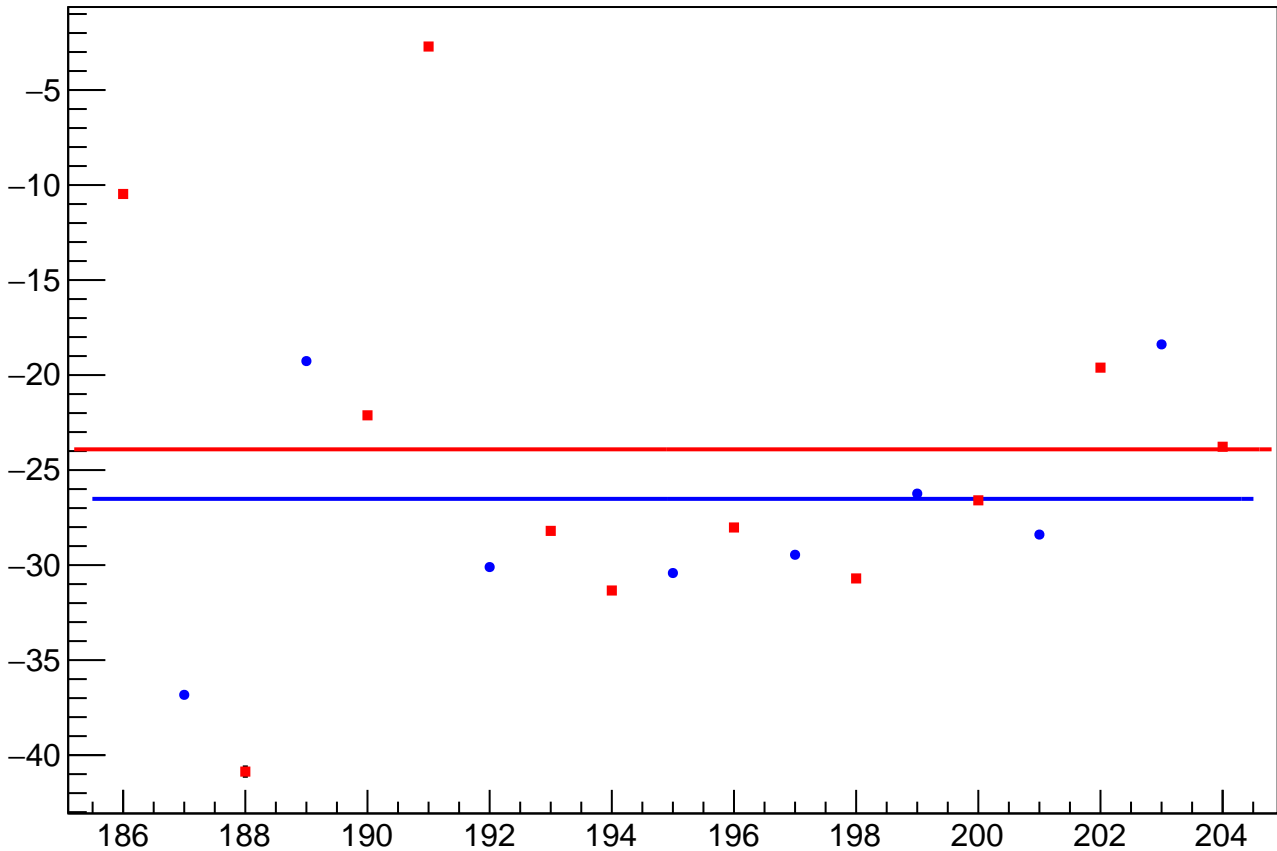
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.362 \pm 0.846$   $\chi^2/\text{NDF}$ : 104.3/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-26.515 \pm 0.045$   $\chi^2/\text{NDF}: 11141.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-23.908 \pm 0.039$   $\chi^2/\text{NDF}: 45052.8/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

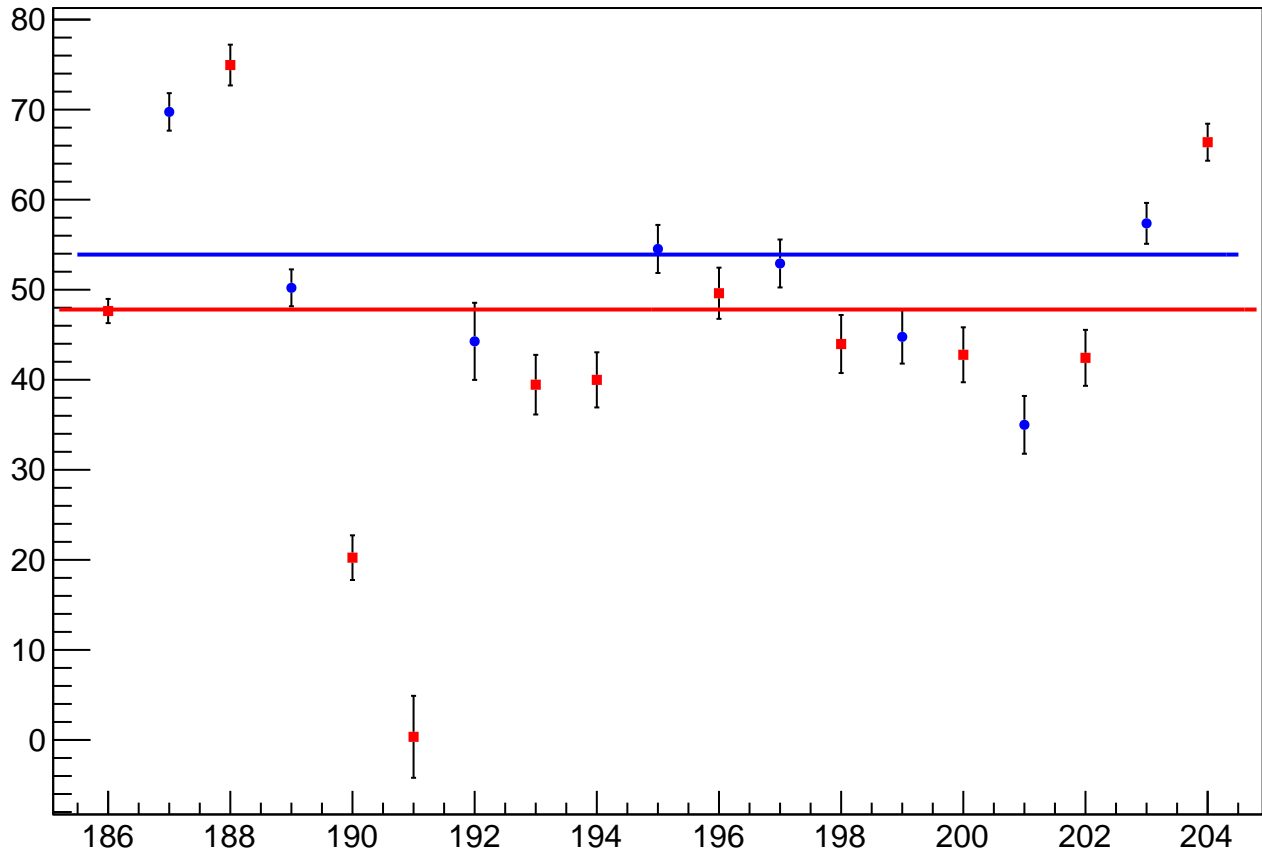
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-25.029 \pm 0.030$   $\chi^2/\text{NDF}: 58083.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_at1\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 53.903+/-0.910  $\chi^2$ /NDF: 112.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 47.802+/-0.740  $\chi^2$ /NDF: 478.3/10

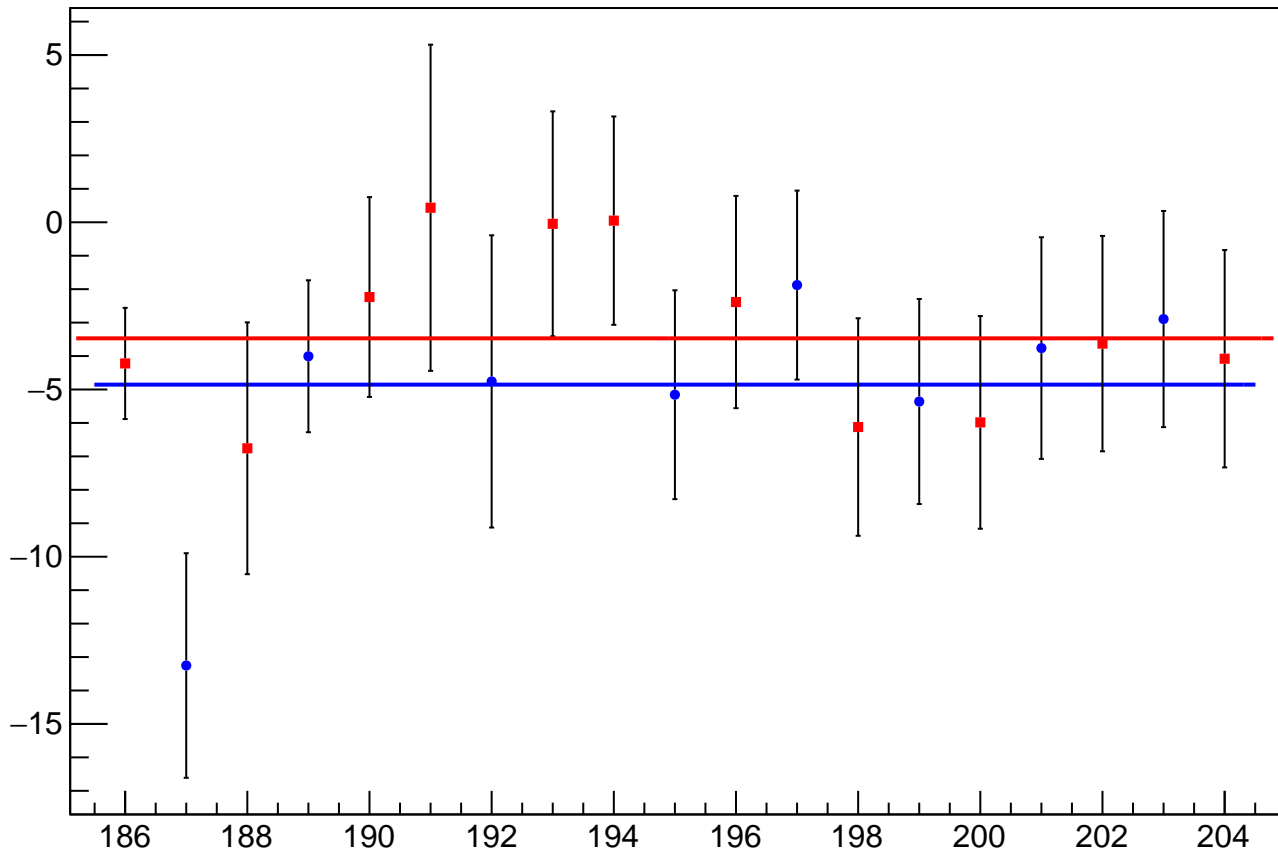
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 50.232+/-0.574  $\chi^2$ /NDF: 618.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-4.855 \pm 1.081$   $\chi^2/\text{NDF}: 8.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-3.470 \pm 0.890$   $\chi^2/\text{NDF}: 5.5/10$

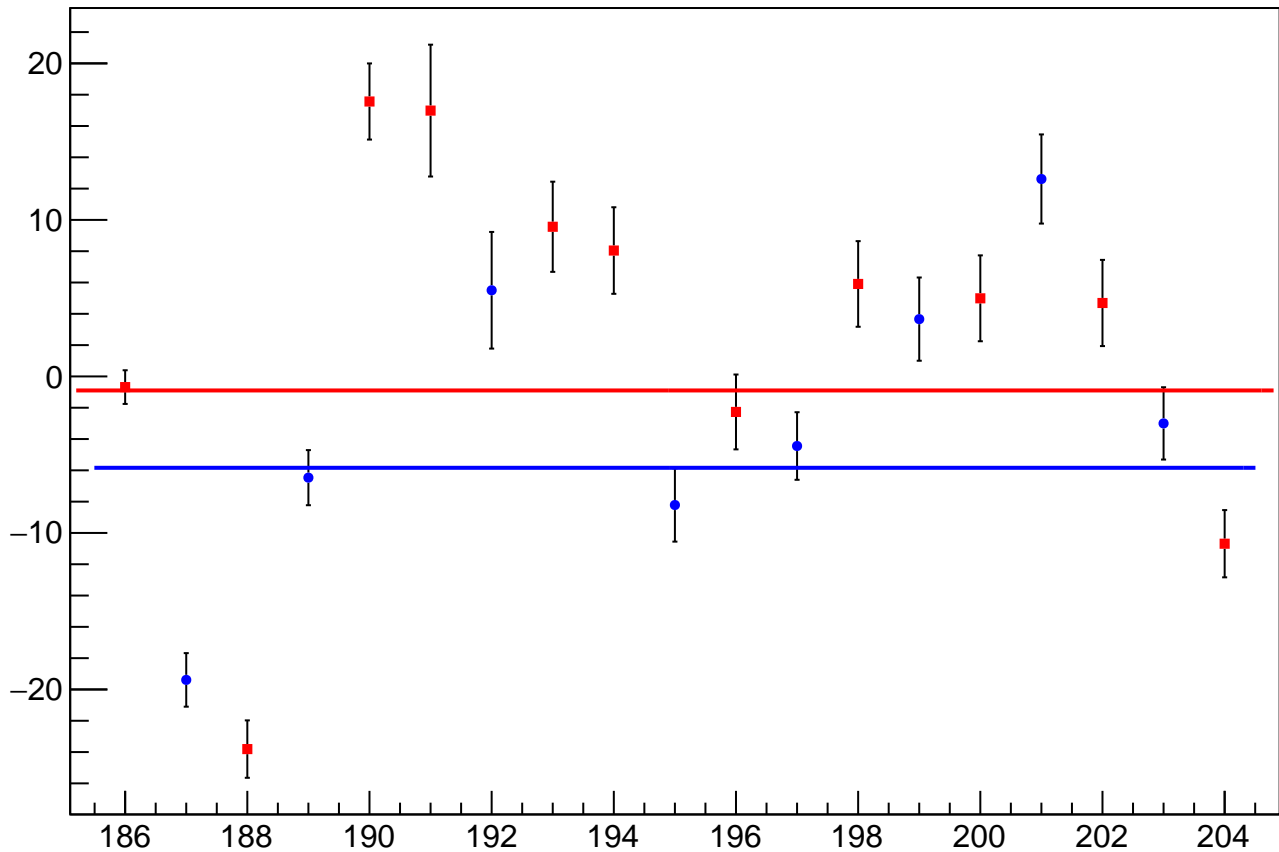
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-4.030 \pm 0.687$   $\chi^2/\text{NDF}: 14.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-5.838 \pm 0.794$   $\chi^2/\text{NDF}$ : 129.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.896 \pm 0.642$   $\chi^2/\text{NDF}$ : 291.3/10

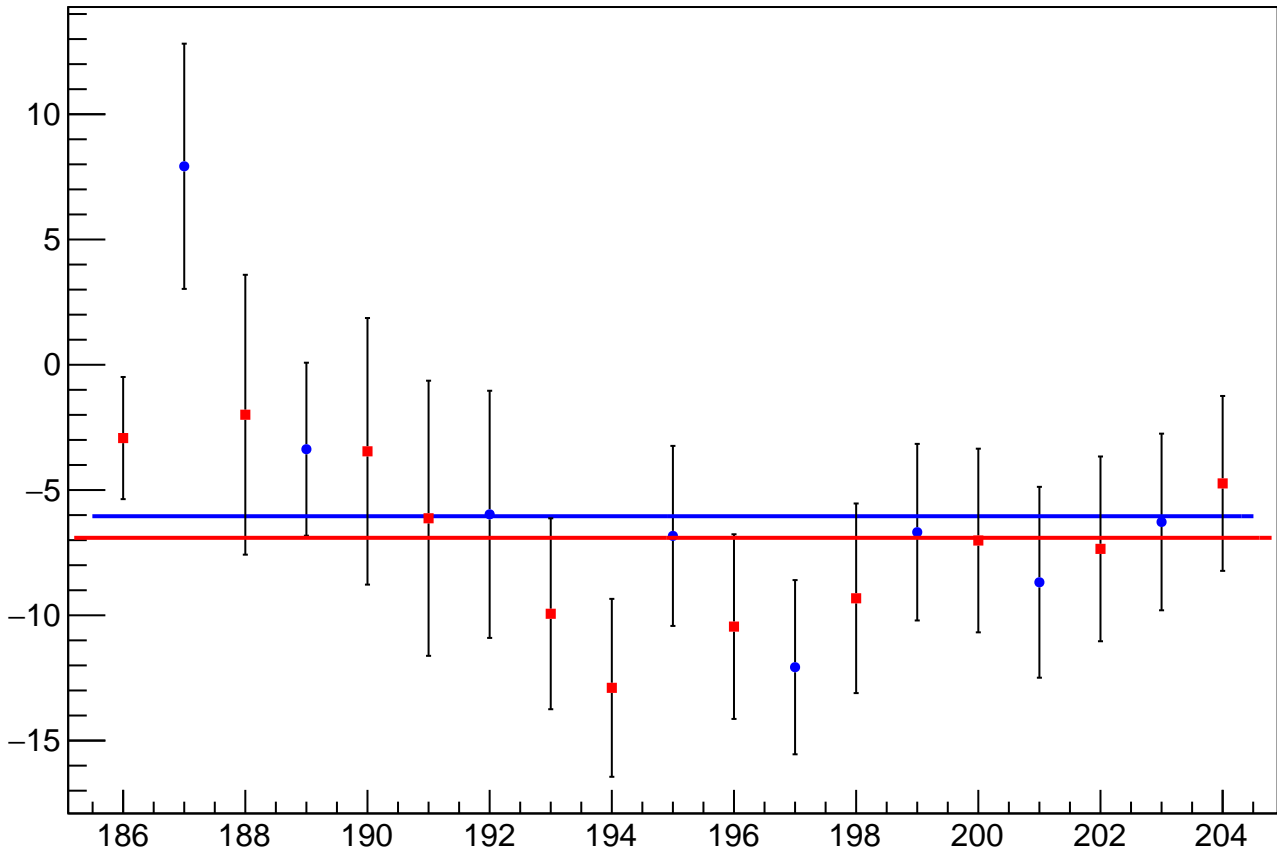
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.849 \pm 0.499$   $\chi^2/\text{NDF}$ : 444.6/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-6.045 \pm 1.340$   $\chi^2/\text{NDF}: 12.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.907 \pm 1.125$   $\chi^2/\text{NDF}: 9.1/10$

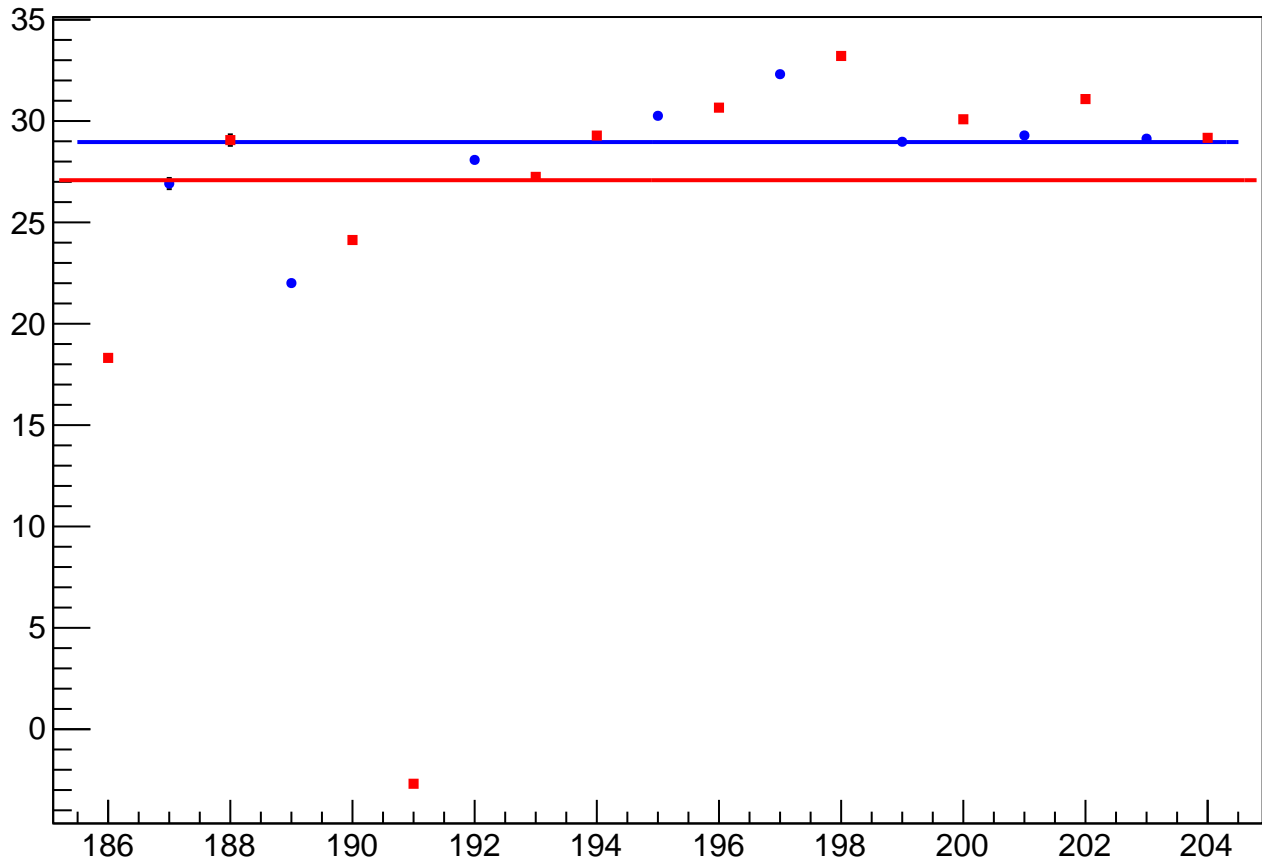
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-6.551 \pm 0.861$   $\chi^2/\text{NDF}: 21.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 28.962 $\pm$ 0.044  $\chi^2$ /NDF: 3464.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 27.081 $\pm$ 0.039  $\chi^2$ /NDF: 48941.7/10

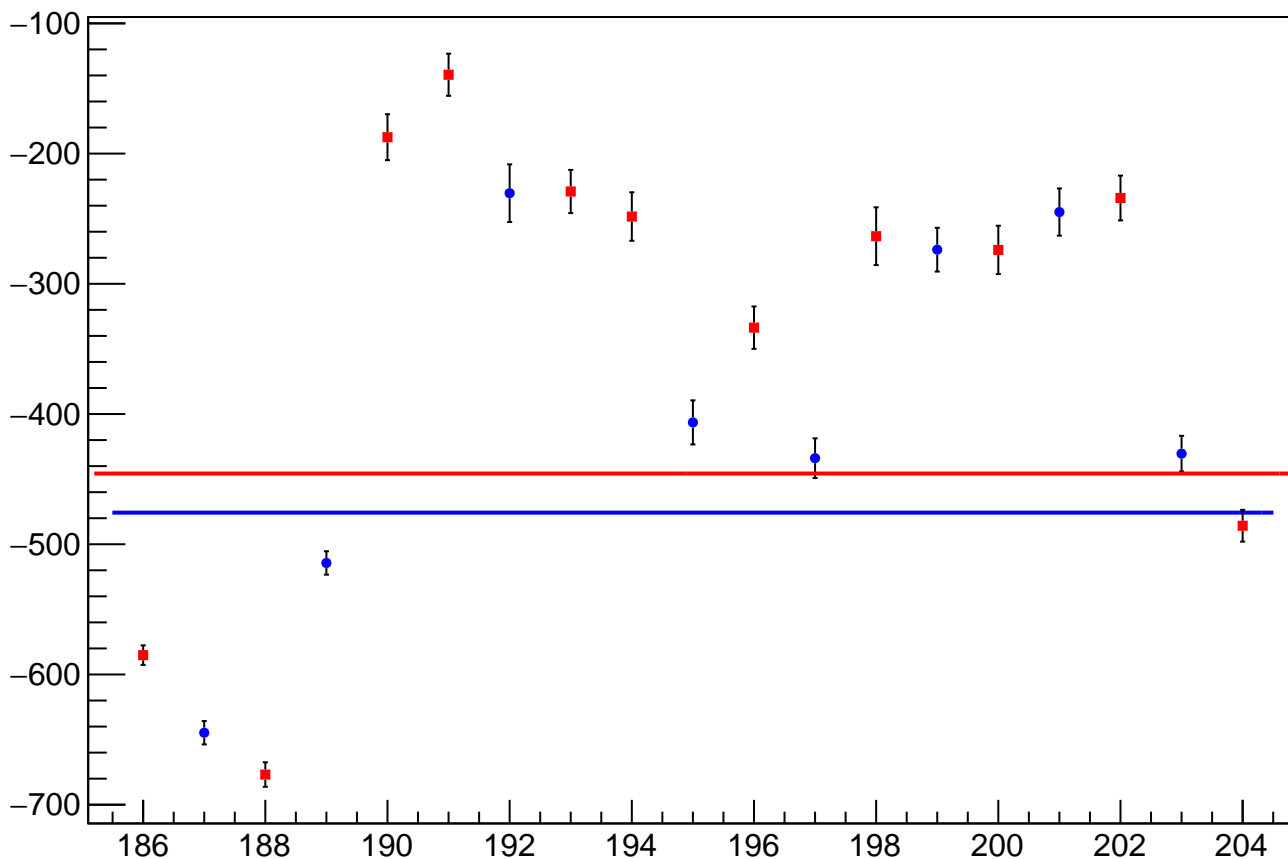
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 27.894 $\pm$ 0.029  $\chi^2$ /NDF: 53425.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-475.724 \pm 4.631$   $\chi^2/\text{NDF}$ : 838.7/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-445.685 \pm 4.035$   $\chi^2/\text{NDF}$ : 2166.9/10

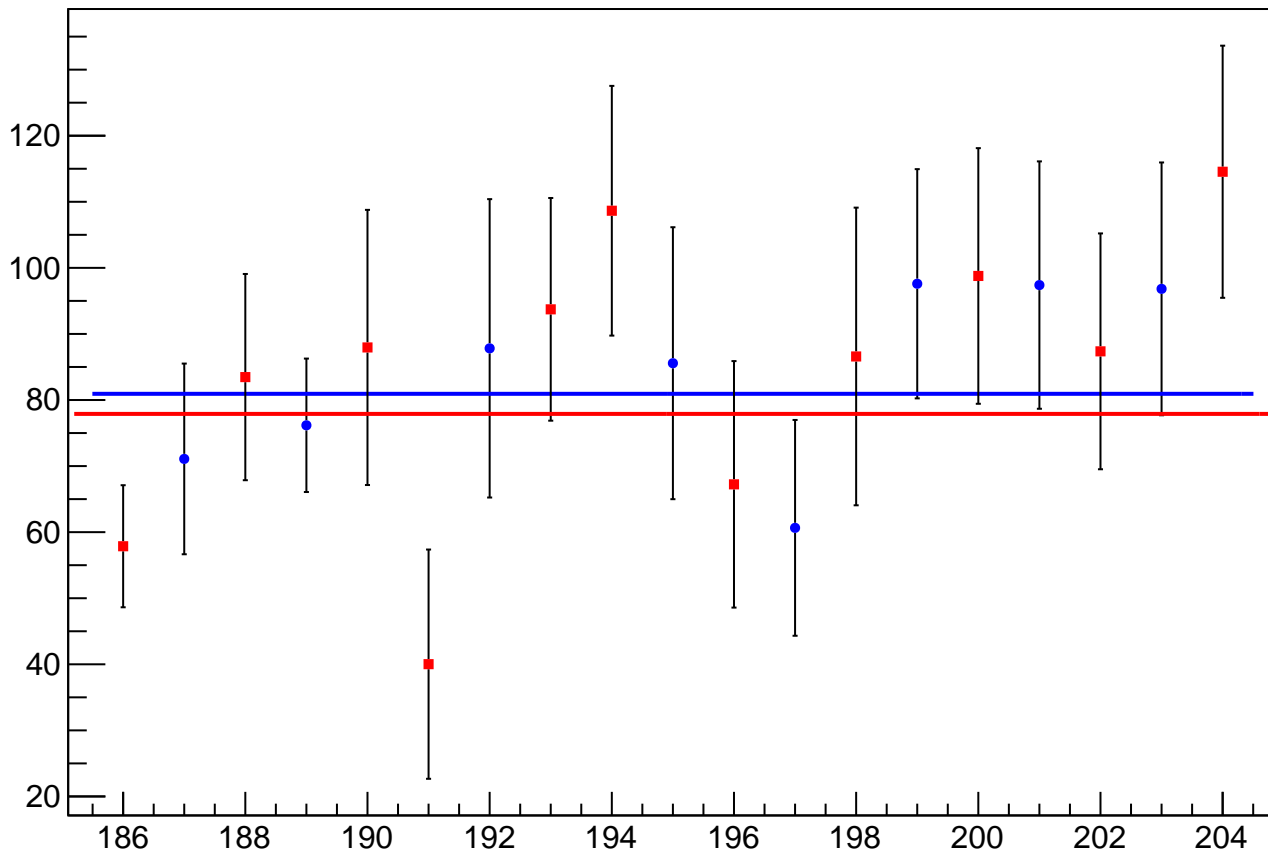
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-458.645 \pm 3.042$   $\chi^2/\text{NDF}$ : 3029.5/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 80.938+/-5.626  $\chi^2$ /NDF: 4.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 77.898+/-4.928  $\chi^2$ /NDF: 19.0/10

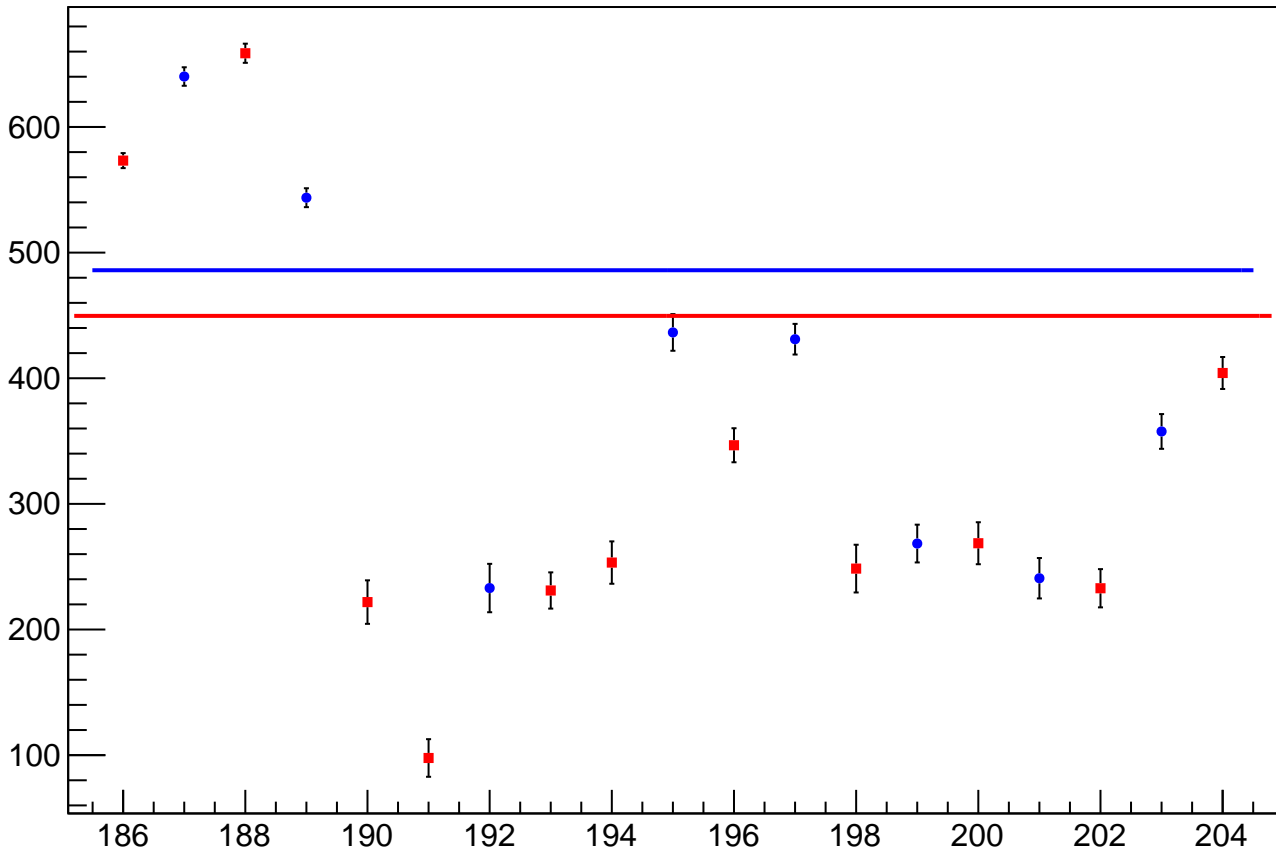
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 79.218+/-3.707  $\chi^2$ /NDF: 23.9/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 485.969 $\pm$ 3.961  $\chi^2$ /NDF: 1229.2/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 449.637 $\pm$ 3.459  $\chi^2$ /NDF: 2772.2/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

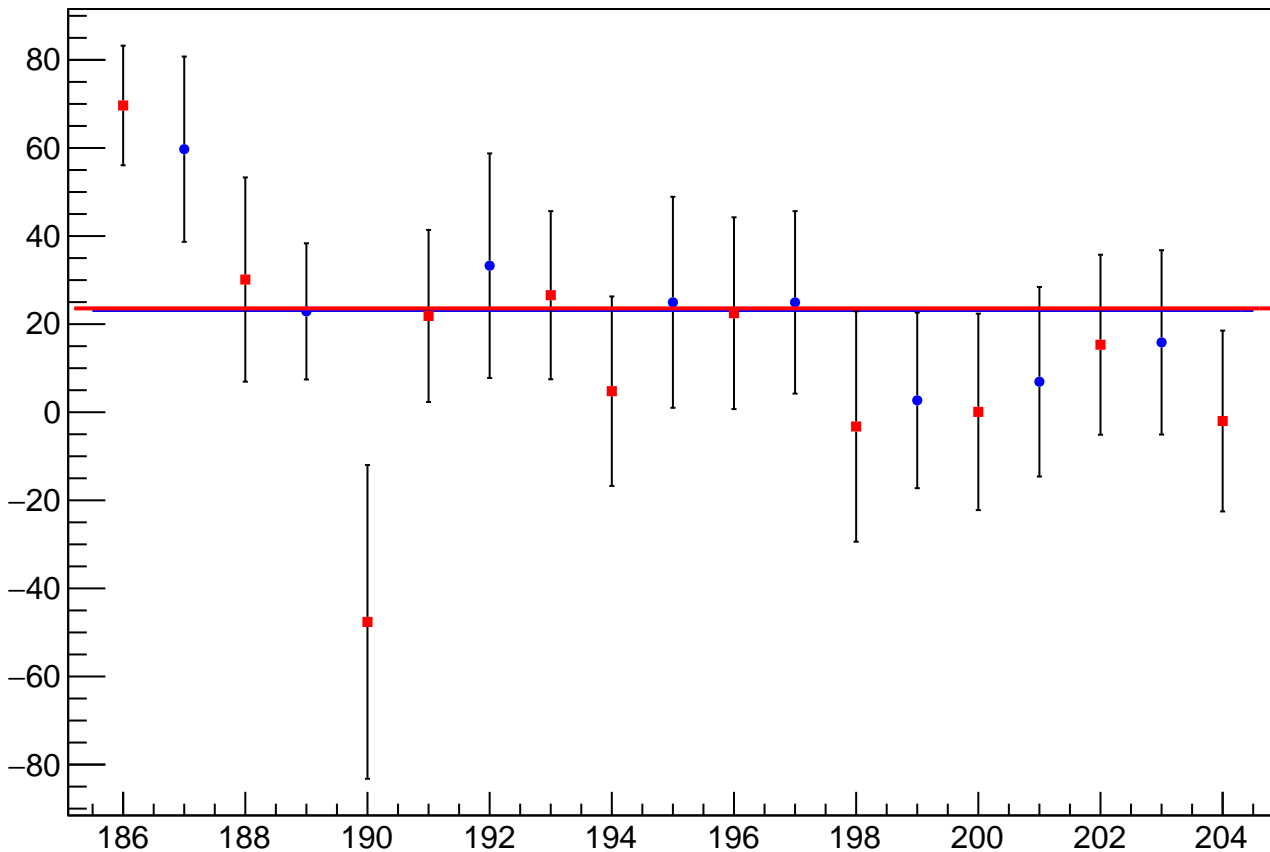
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 465.355 $\pm$ 2.606  $\chi^2$ /NDF: 4049.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 23.221+/-7.252  $\chi^2$ /NDF: 4.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 23.576+/-6.208  $\chi^2$ /NDF: 20.3/10

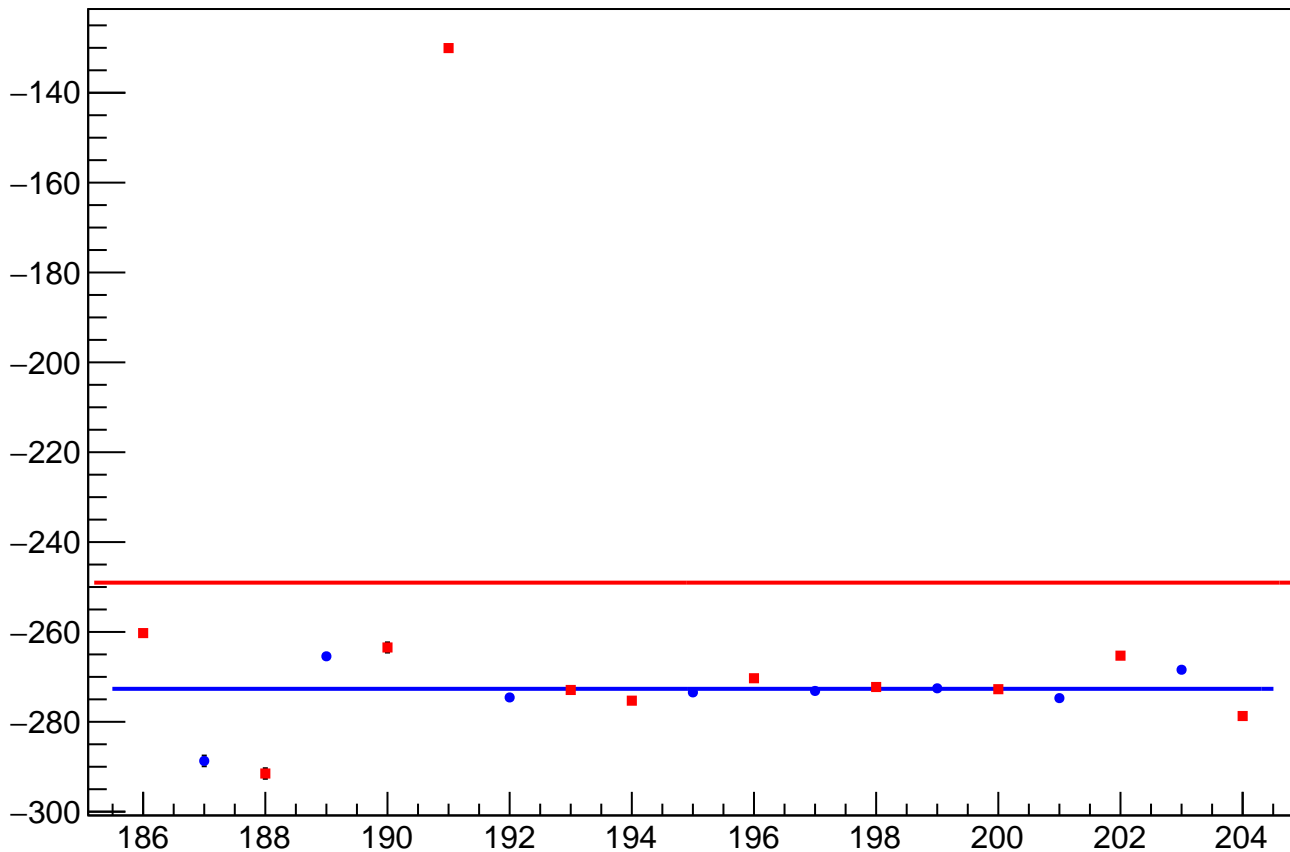
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 23.426+/-4.716  $\chi^2$ /NDF: 25.2/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-272.658 \pm 0.253$   $\chi^2/\text{NDF}$ : 338.0/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-249.028 \pm 0.214$   $\chi^2/\text{NDF}$ : 59500.7/10

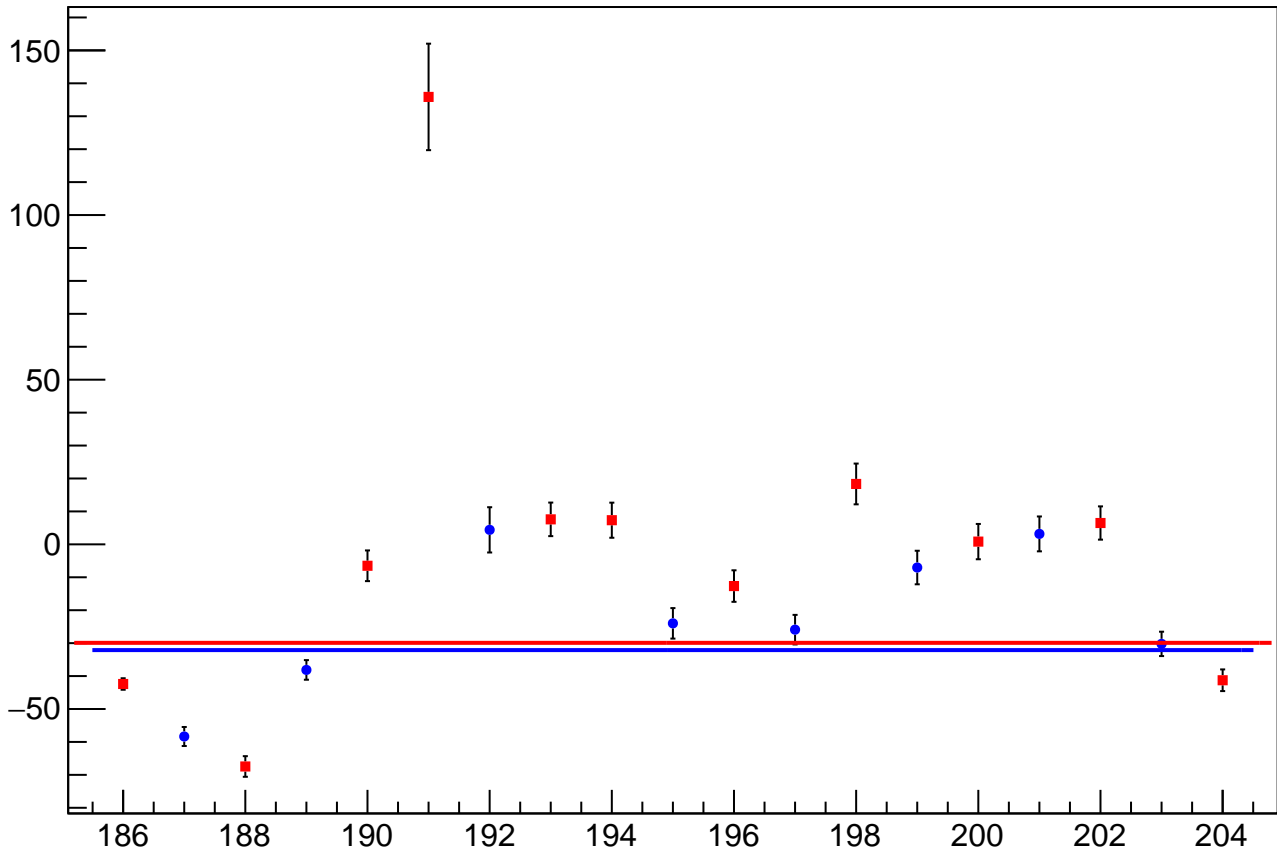
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-258.857 \pm 0.163$   $\chi^2/\text{NDF}$ : 64913.7/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-32.113 \pm 1.418$   $\chi^2/\text{NDF}: 188.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-29.909 \pm 1.125$   $\chi^2/\text{NDF}: 598.6/10$

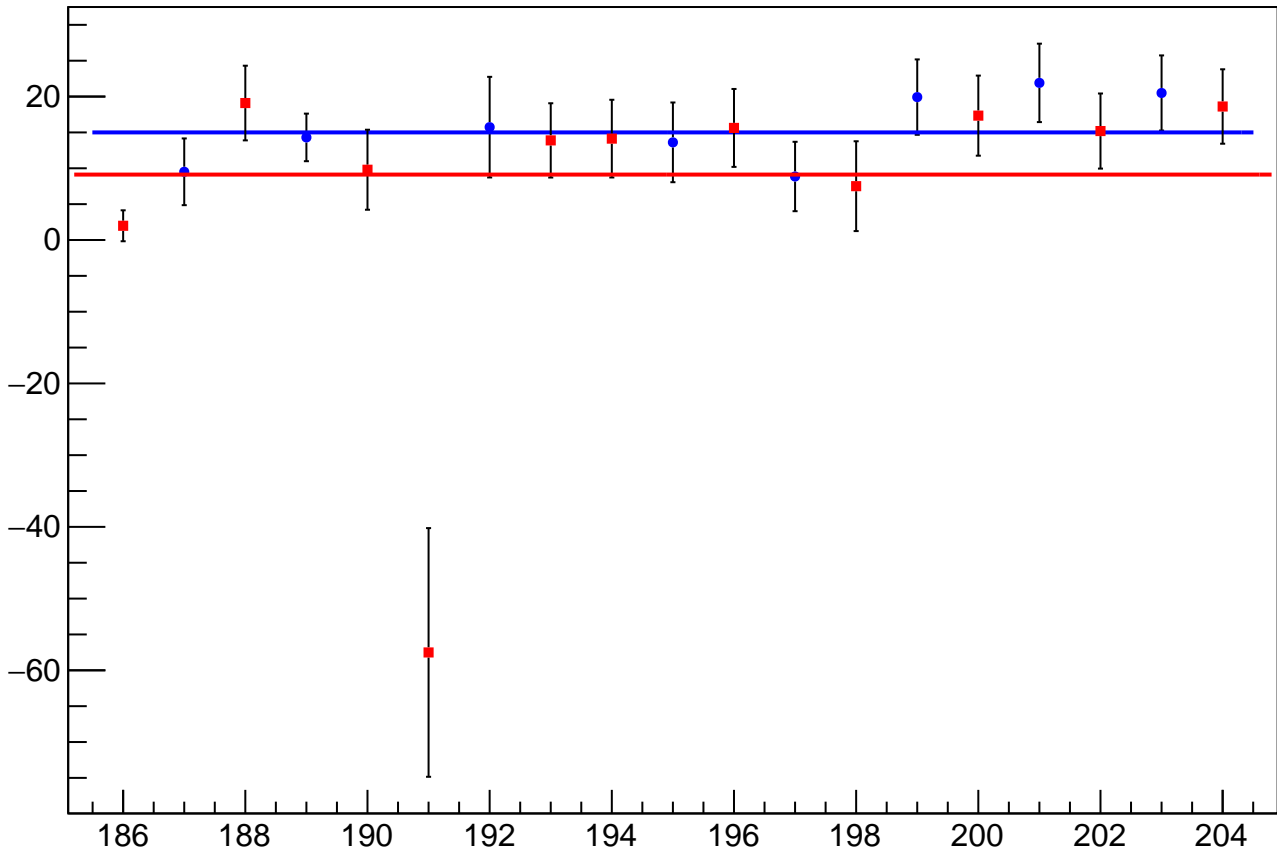
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-30.761 \pm 0.882$   $\chi^2/\text{NDF}: 788.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 15.002 $\pm$ 1.718  $\chi^2$ /NDF: 6.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 9.122 $\pm$ 1.382  $\chi^2$ /NDF: 39.5/10

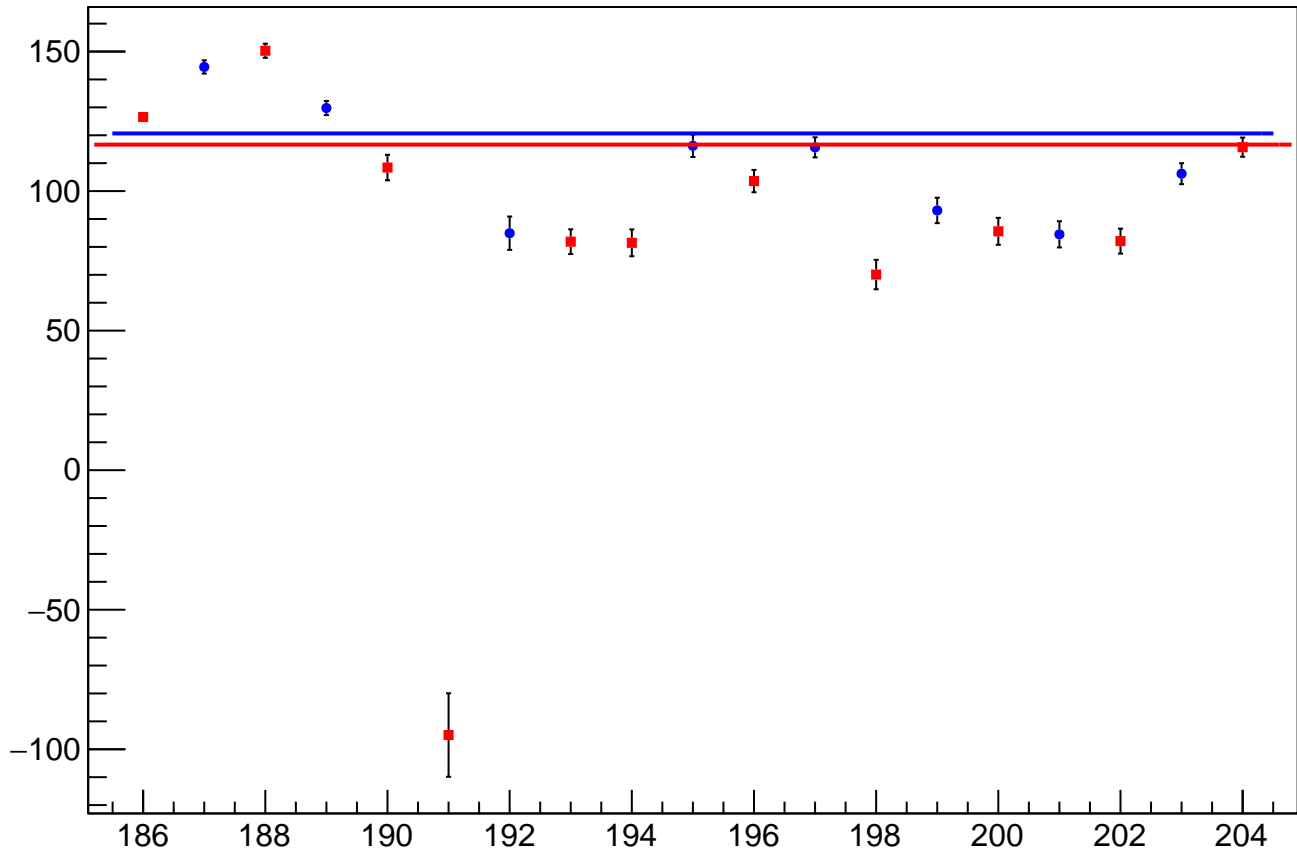
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 11.431 $\pm$ 1.077  $\chi^2$ /NDF: 53.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 120.655 $\pm$ 1.227  $\chi^2$ /NDF: 263.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 116.655 $\pm$ 0.959  $\chi^2$ /NDF: 733.4/10

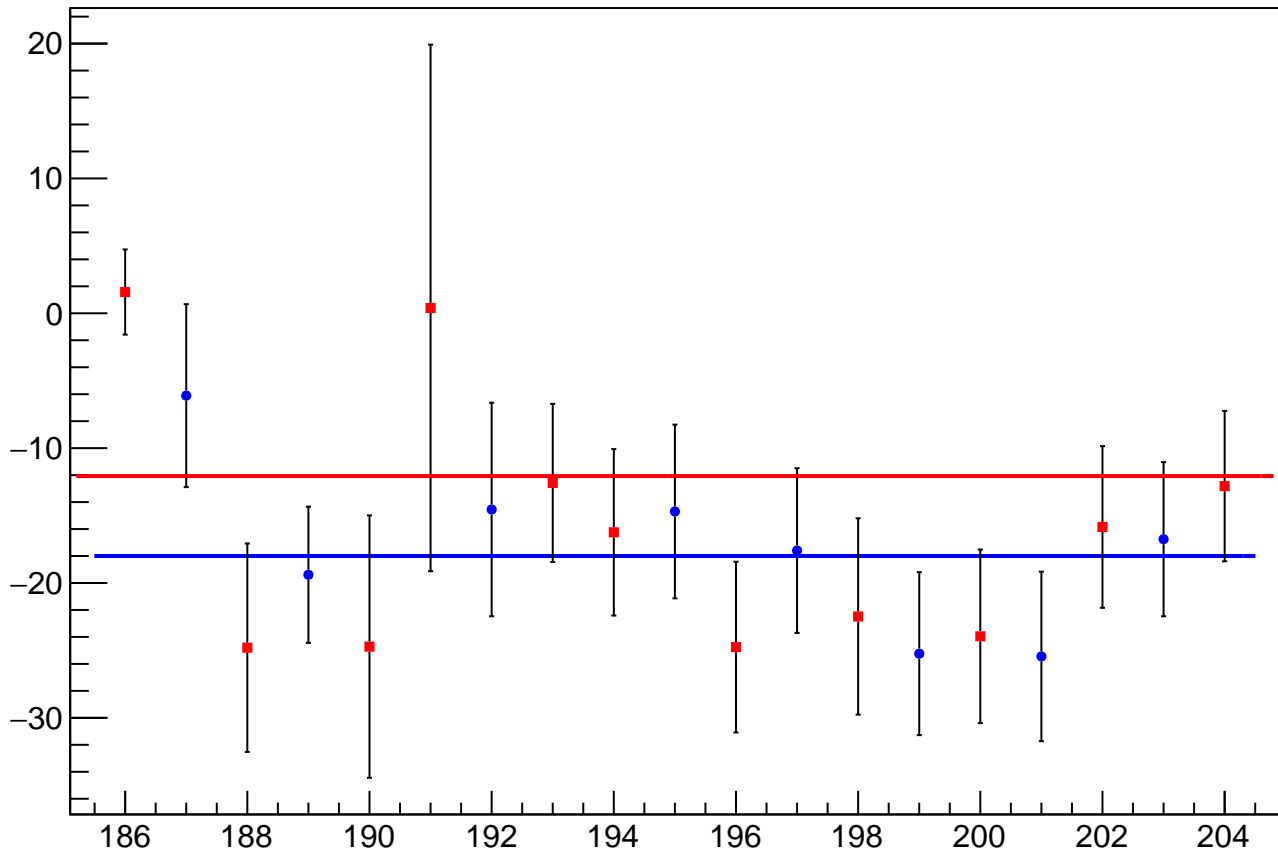
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 118.172 $\pm$ 0.756  $\chi^2$ /NDF: 1003.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-17.997 \pm 2.176$   $\chi^2/\text{NDF}$ : 6.5/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-12.071 \pm 1.786$   $\chi^2/\text{NDF}$ : 33.8/10

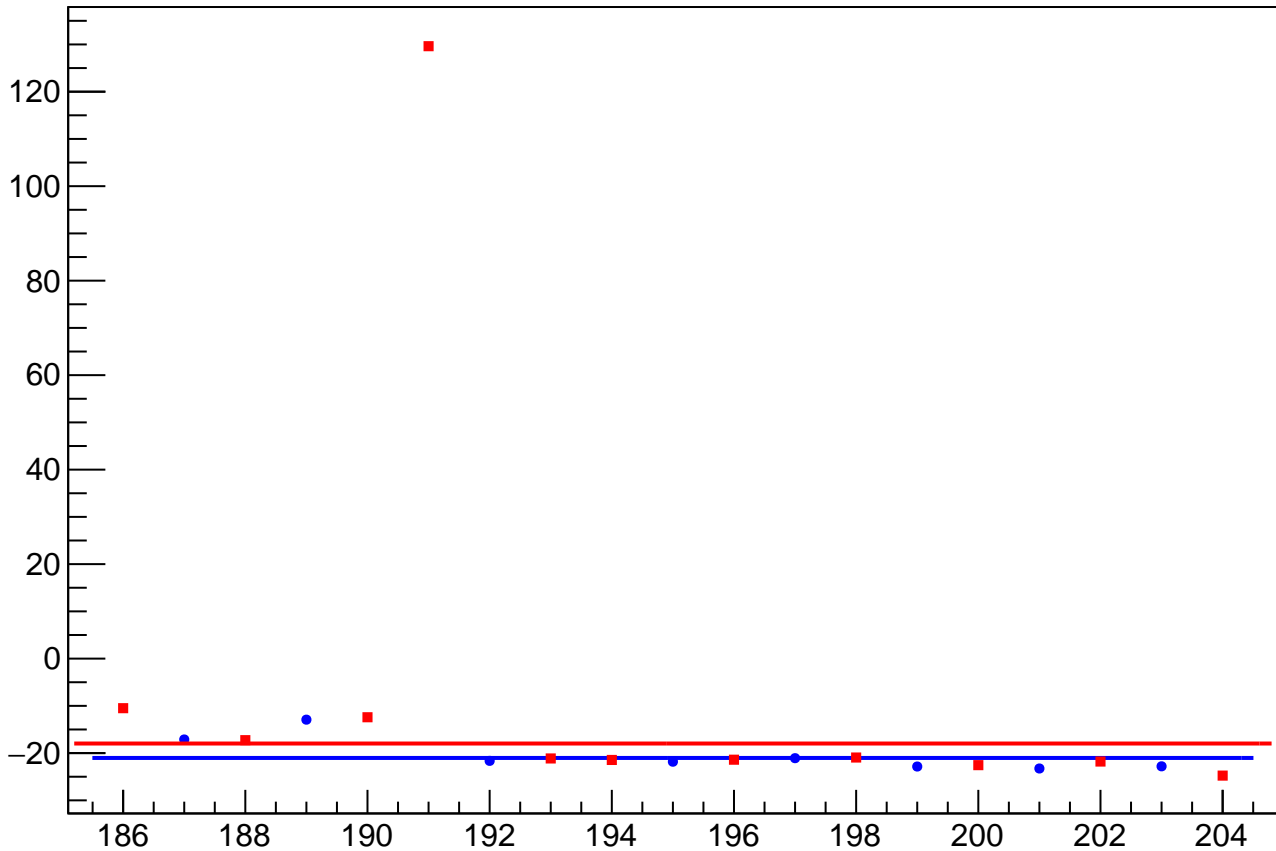
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-14.457 \pm 1.381$   $\chi^2/\text{NDF}$ : 44.7/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-21.025 \pm 0.074$   $\chi^2/\text{NDF}: 1888.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-17.972 \pm 0.066$   $\chi^2/\text{NDF}: 80593.6/10$

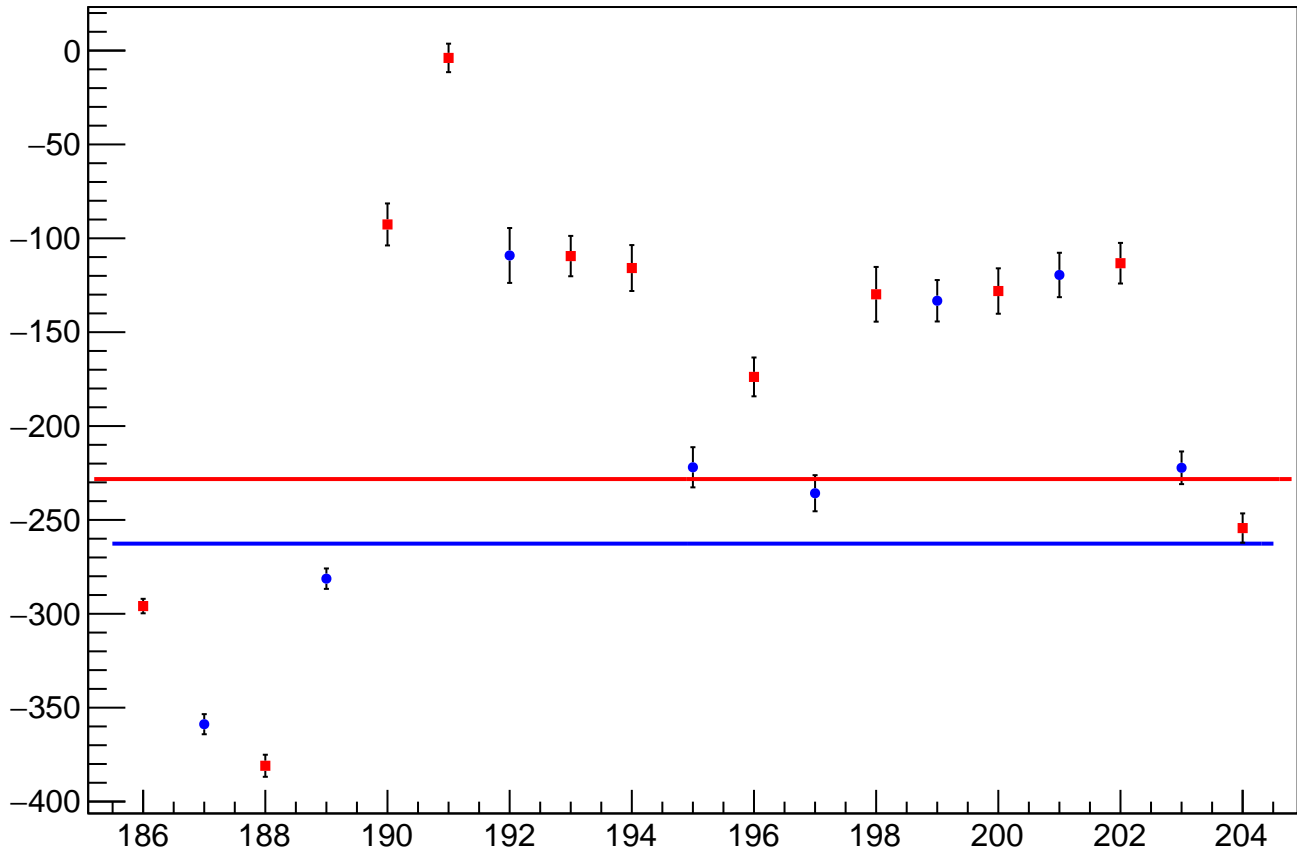
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-19.322 \pm 0.050$   $\chi^2/\text{NDF}: 83420.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl1r2\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-262.630 \pm 2.869$   $\chi^2/\text{NDF}: 772.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-228.236 \pm 2.339$   $\chi^2/\text{NDF}: 2476.8/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

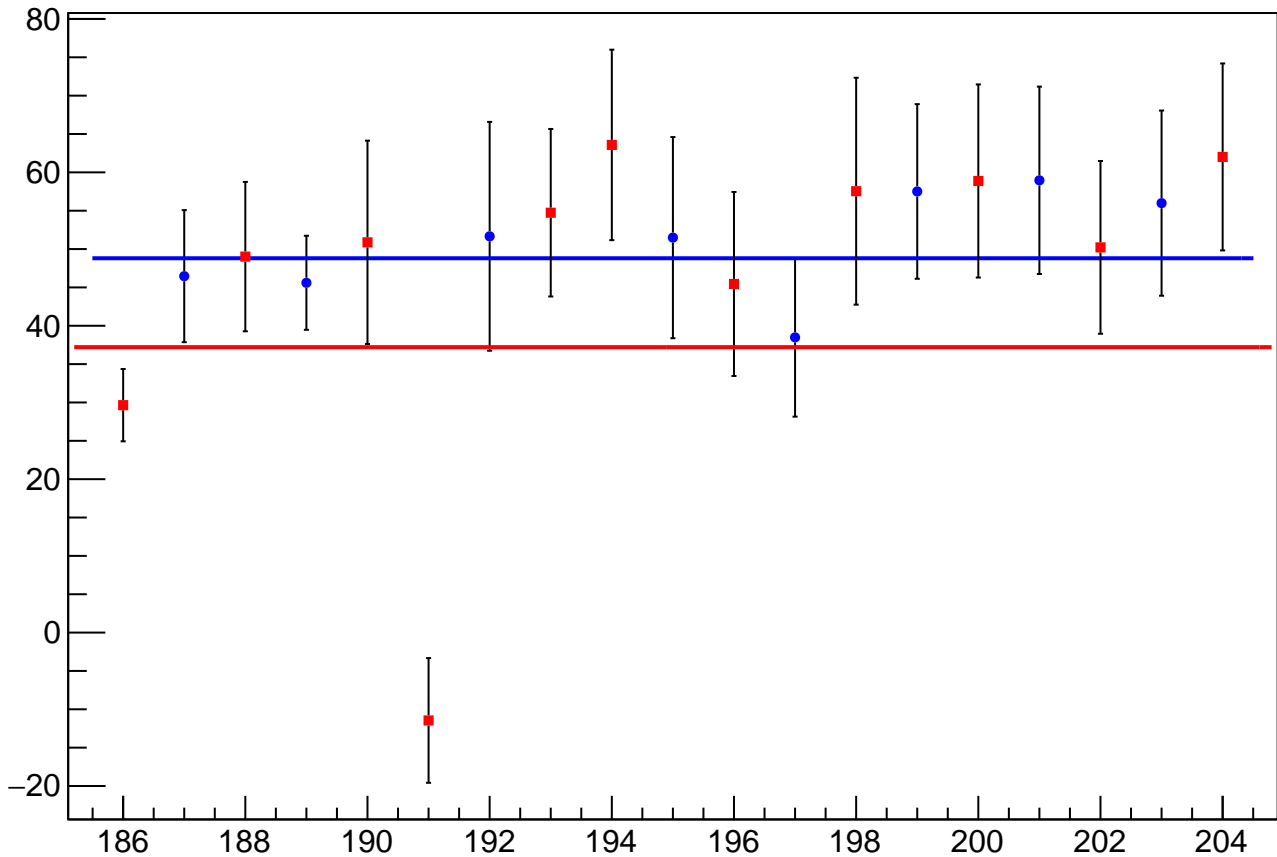
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-241.971 \pm 1.813$   $\chi^2/\text{NDF}: 3335.3/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 48.802 $\pm$ 3.513  $\chi^2$ /NDF: 3.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 37.213 $\pm$ 2.843  $\chi^2$ /NDF: 58.8/10

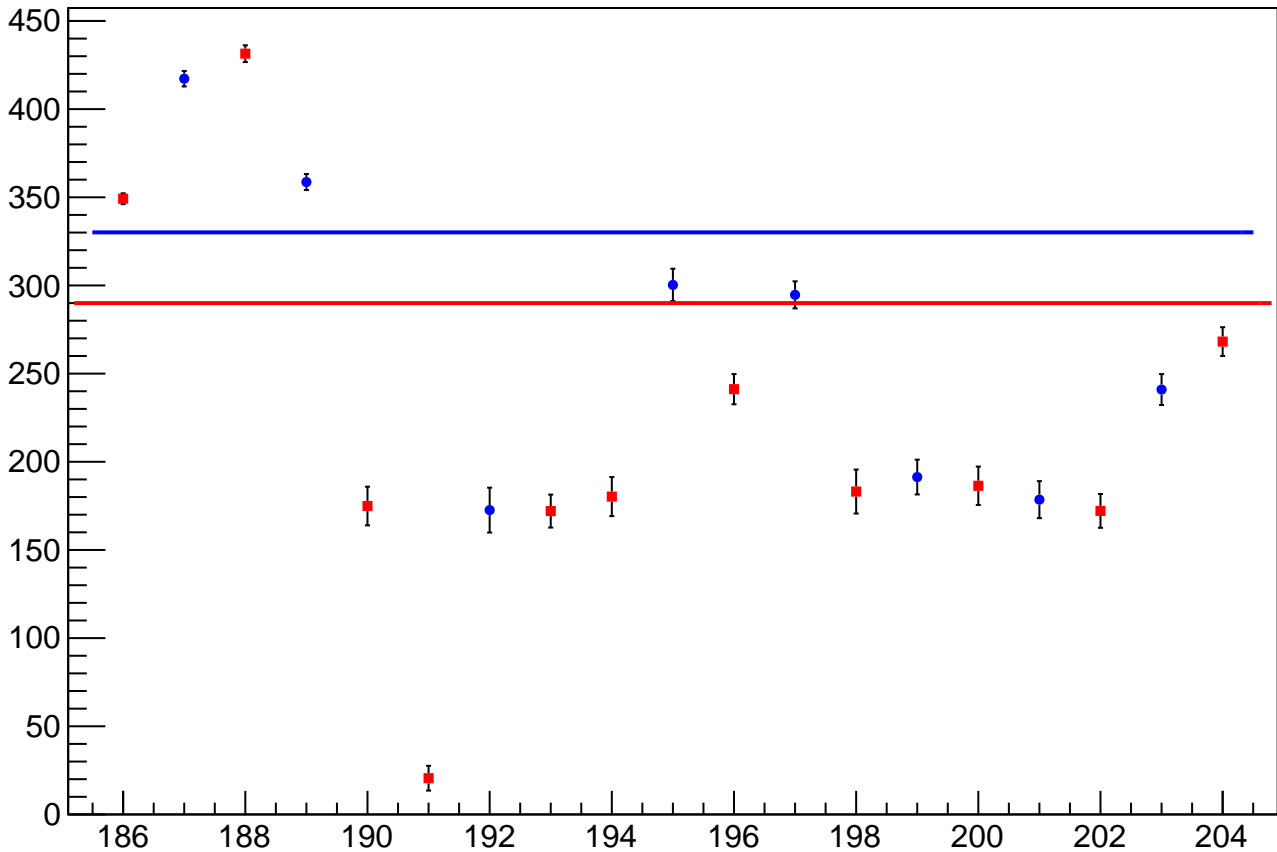
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 41.800 $\pm$ 2.210  $\chi^2$ /NDF: 68.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 330.110 $\pm$ 2.444  $\chi^2$ /NDF: 1126.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 289.999 $\pm$ 1.990  $\chi^2$ /NDF: 3448.0/10

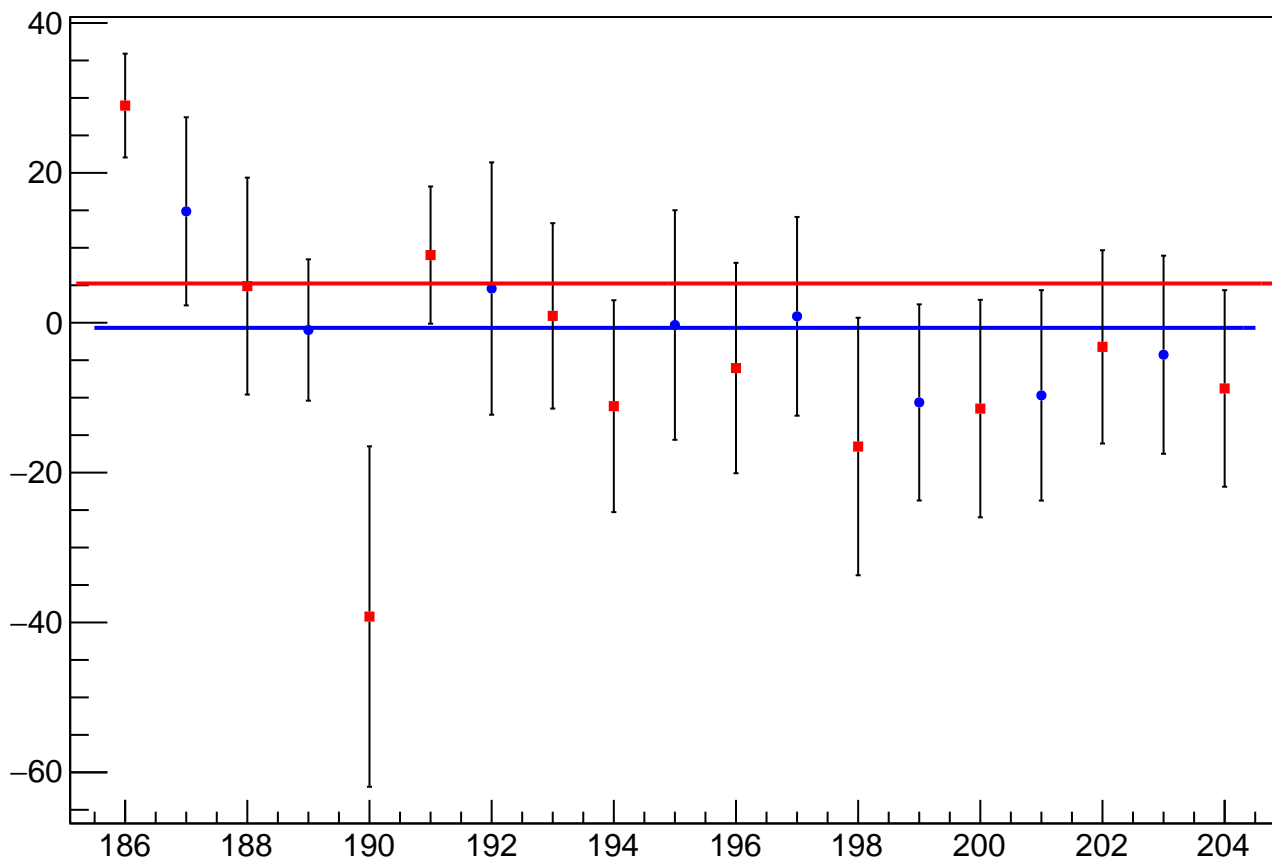
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 305.990 $\pm$ 1.543  $\chi^2$ /NDF: 4736.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-0.684 \pm 4.579$   $\chi^2/\text{NDF}: 2.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $5.238 \pm 3.626$   $\chi^2/\text{NDF}: 22.4/10$

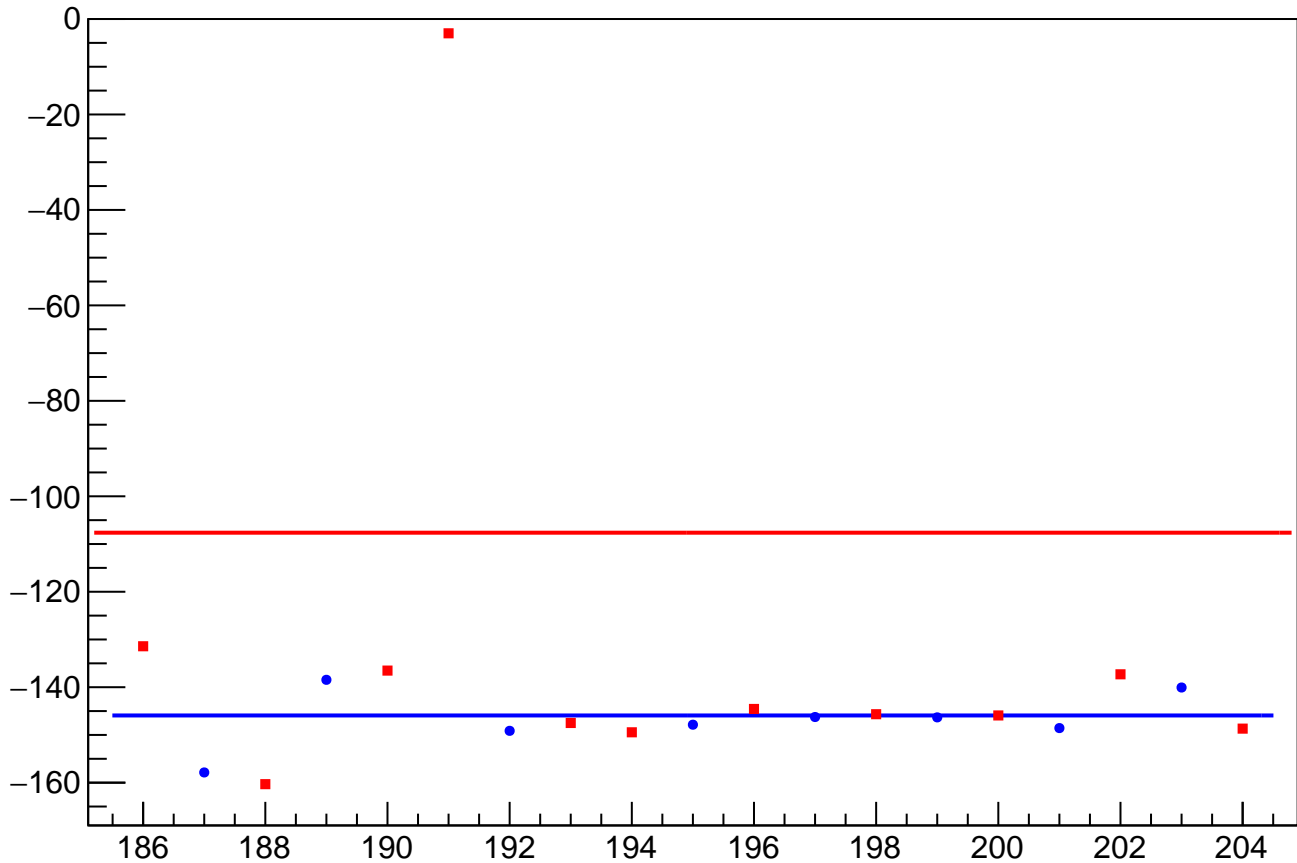
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $2.956 \pm 2.842$   $\chi^2/\text{NDF}: 26.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-145.919 \pm 0.163$   $\chi^2/\text{NDF}: 824.6/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-107.626 \pm 0.127$   $\chi^2/\text{NDF}: 237175.9/10$

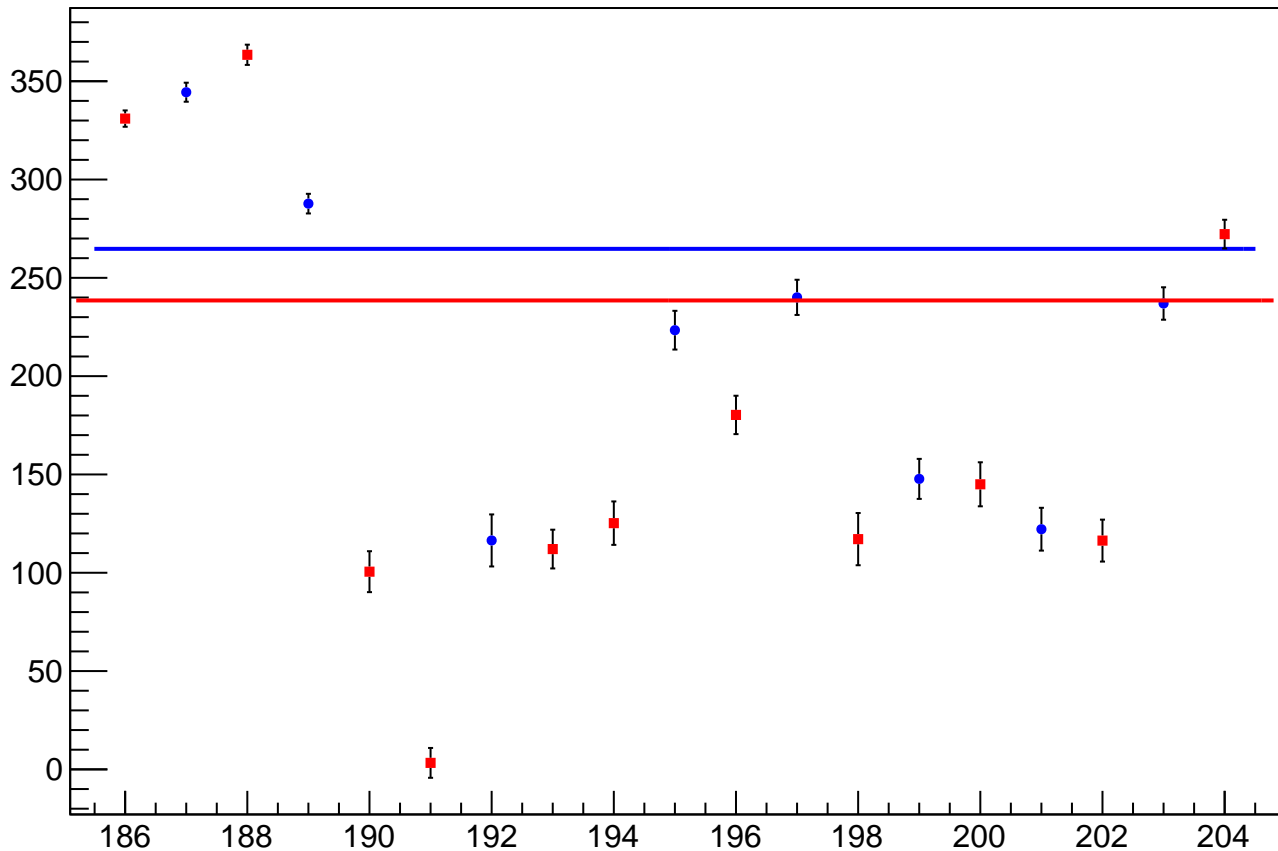
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-122.160 \pm 0.100$   $\chi^2/\text{NDF}: 272238.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl1r2\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 264.745 $\pm$ 2.635  $\chi^2$ /NDF: 758.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 238.497 $\pm$ 2.280  $\chi^2$ /NDF: 2831.6/10

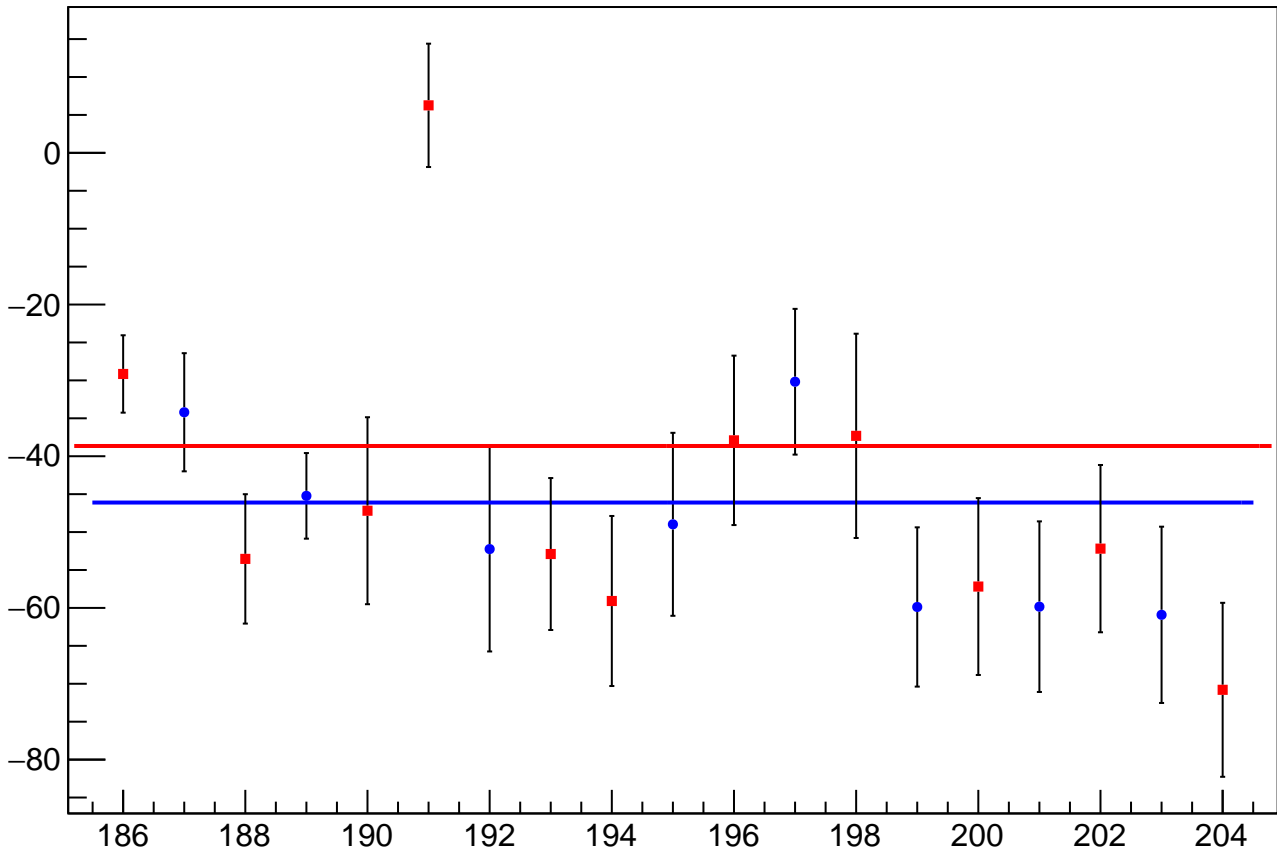
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 249.735 $\pm$ 1.724  $\chi^2$ /NDF: 3646.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-46.106 \pm 3.237$   $\chi^2/\text{NDF}: 10.2/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-38.649 \pm 2.790$   $\chi^2/\text{NDF}: 54.7/10$

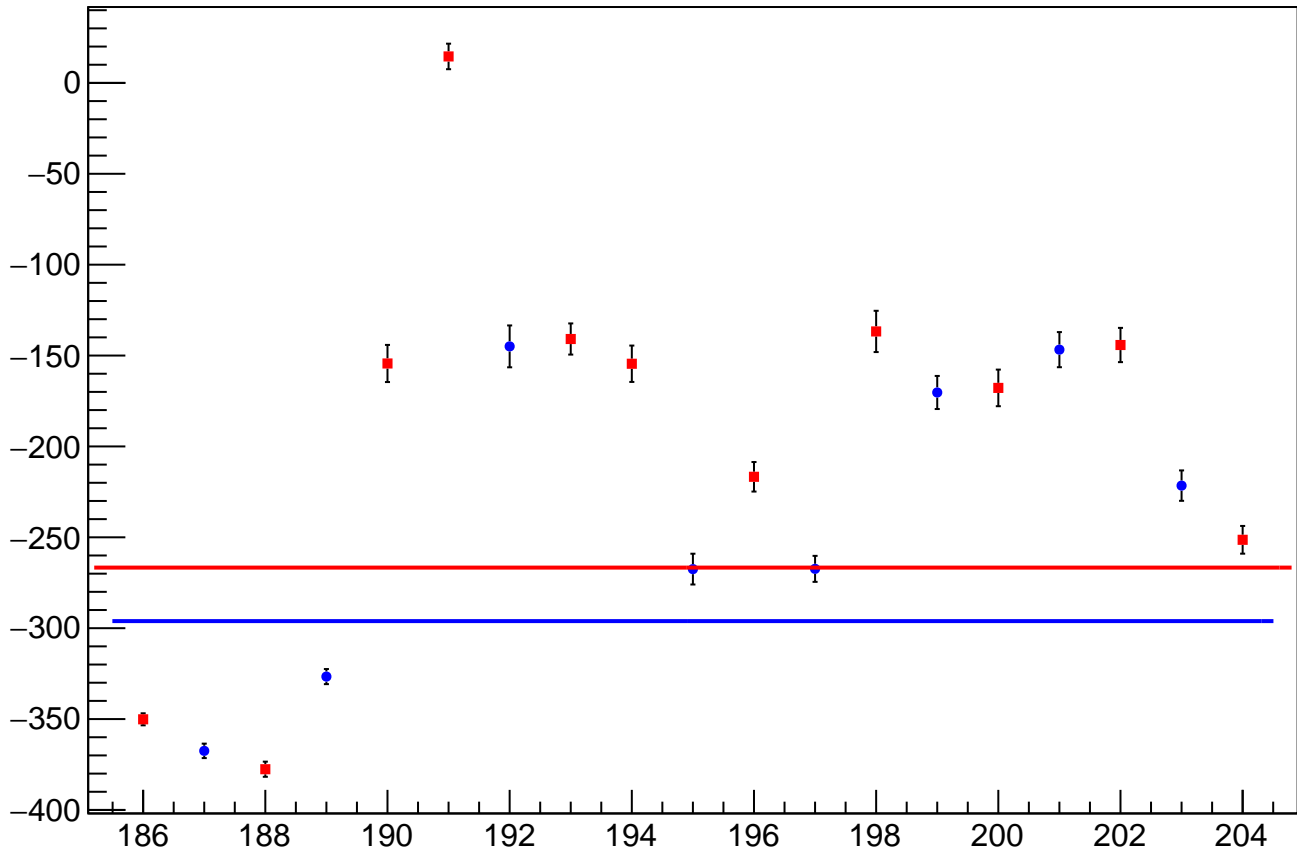
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-41.827 \pm 2.113$   $\chi^2/\text{NDF}: 68.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-296.102 \pm 2.240$   $\chi^2/\text{NDF}: 1085.6/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-266.662 \pm 1.949$   $\chi^2/\text{NDF}: 3844.7/10$

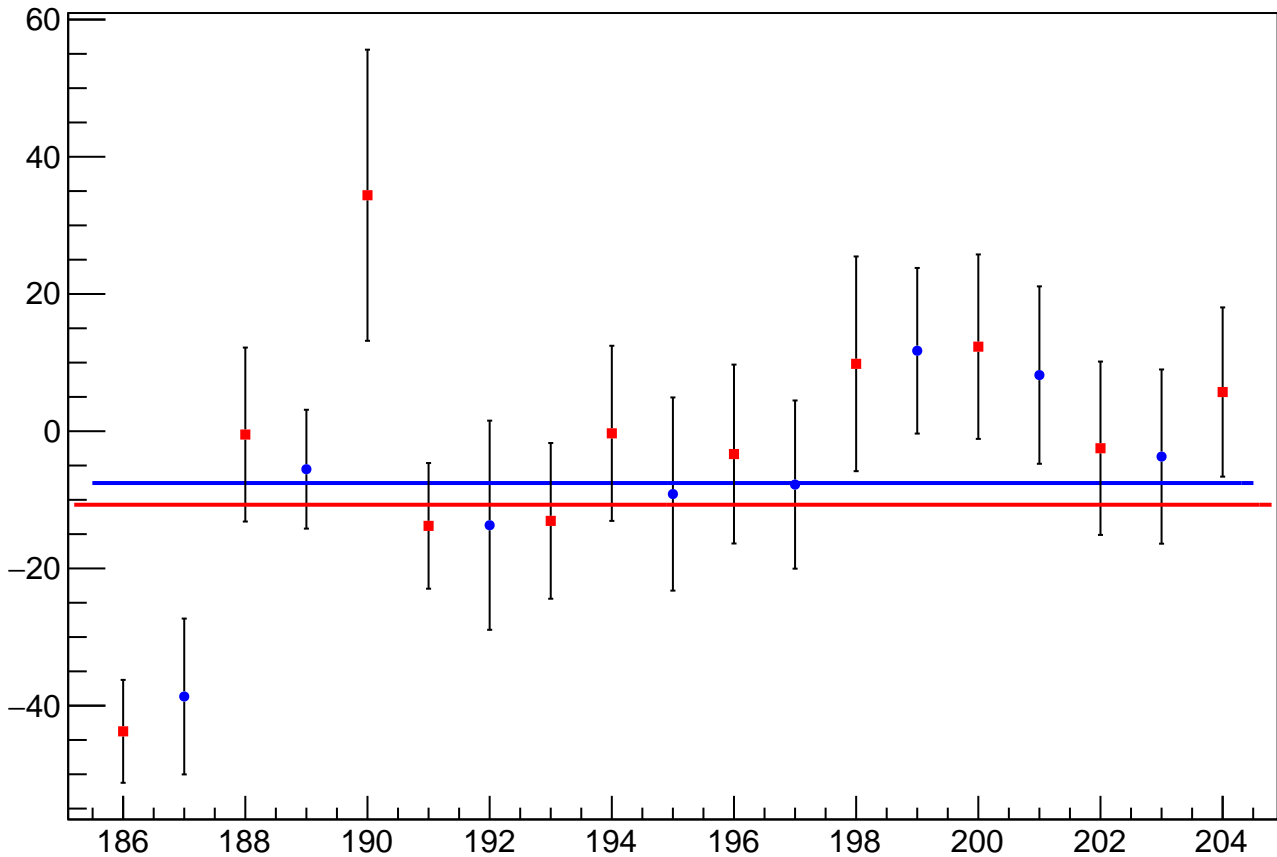
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-279.345 \pm 1.470$   $\chi^2/\text{NDF}: 5028.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-7.552 \pm 4.220$   $\chi^2/\text{NDF}: 11.9/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-10.715 \pm 3.527$   $\chi^2/\text{NDF}: 32.6/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

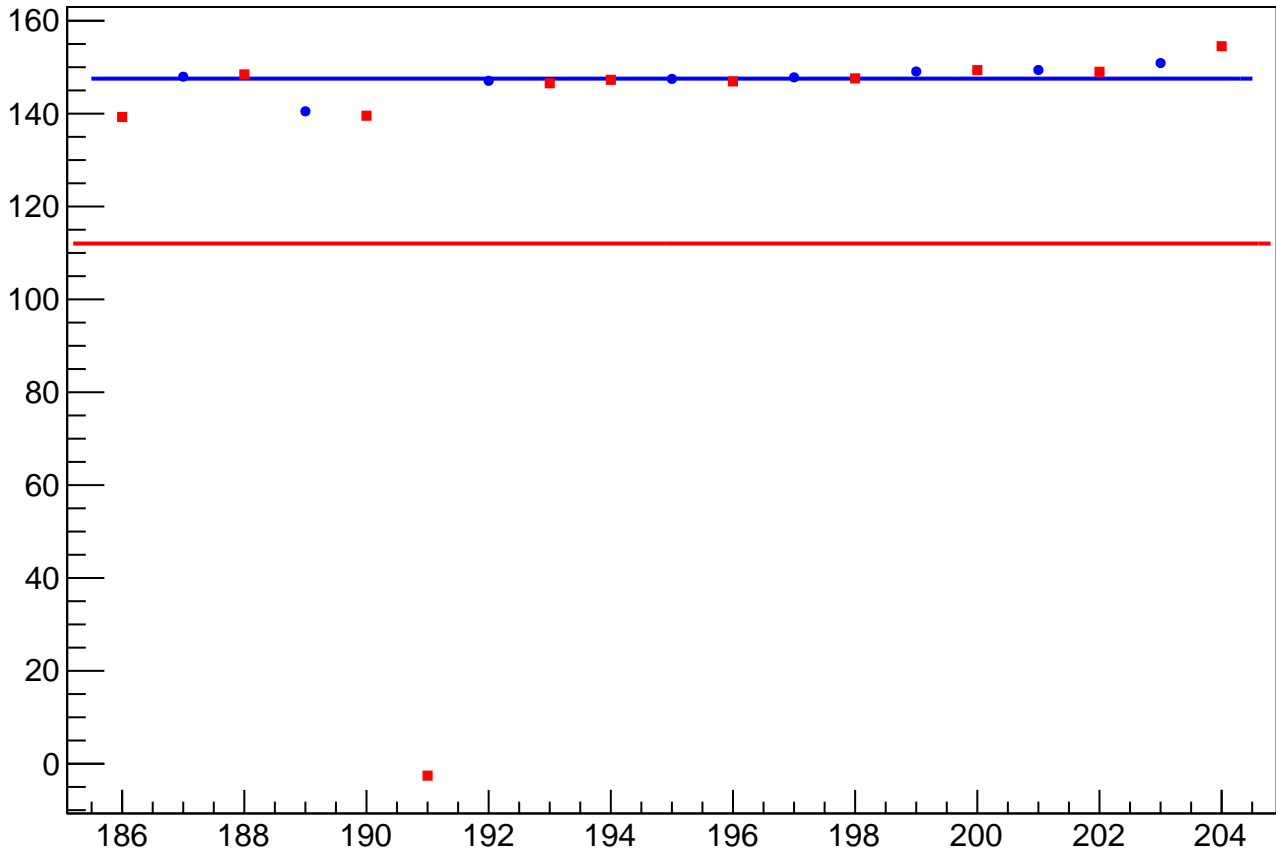
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-9.414 \pm 2.706$   $\chi^2/\text{NDF}: 44.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 147.541 $\pm$ 0.151  $\chi^2$ /NDF: 395.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 112.029 $\pm$ 0.122  $\chi^2$ /NDF: 274042.6/10

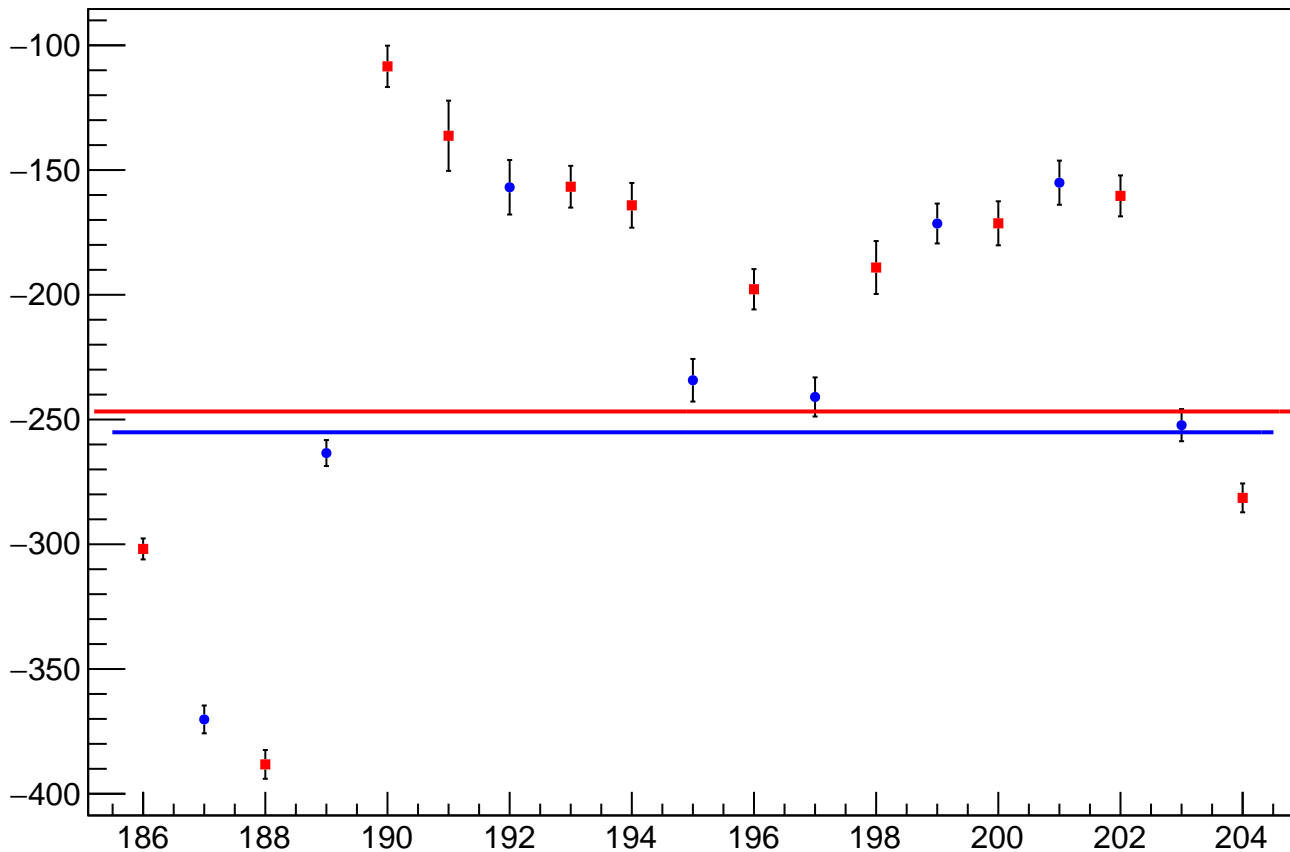
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 126.015 $\pm$ 0.095  $\chi^2$ /NDF: 307996.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-255.113 \pm 2.501$   $\chi^2/\text{NDF}$ : 755.3/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-246.776 \pm 2.158$   $\chi^2/\text{NDF}$ : 1599.3/10

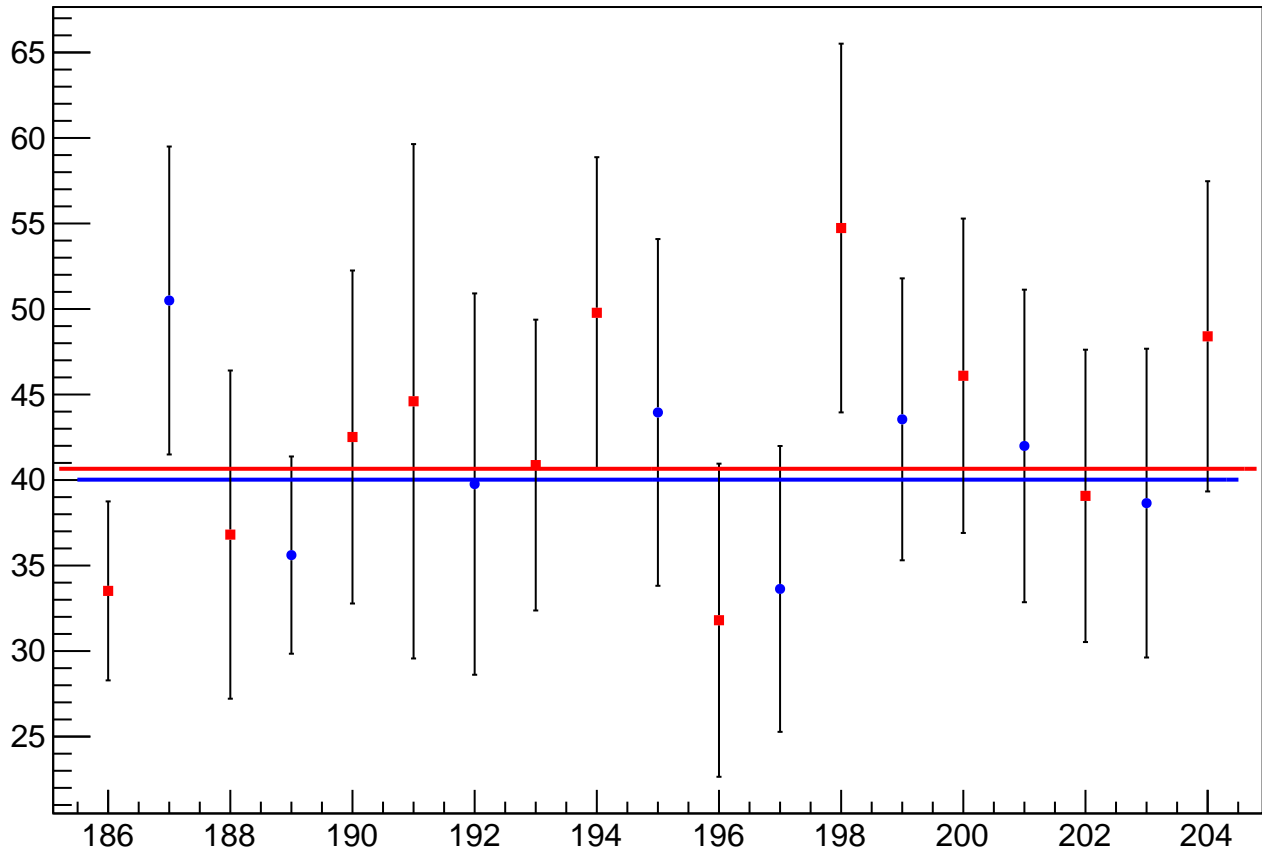
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-250.334 \pm 1.634$   $\chi^2/\text{NDF}$ : 2361.0/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 40.022+/-2.969  $\chi^2$ /NDF: 2.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 40.657+/-2.613  $\chi^2$ /NDF: 6.9/10

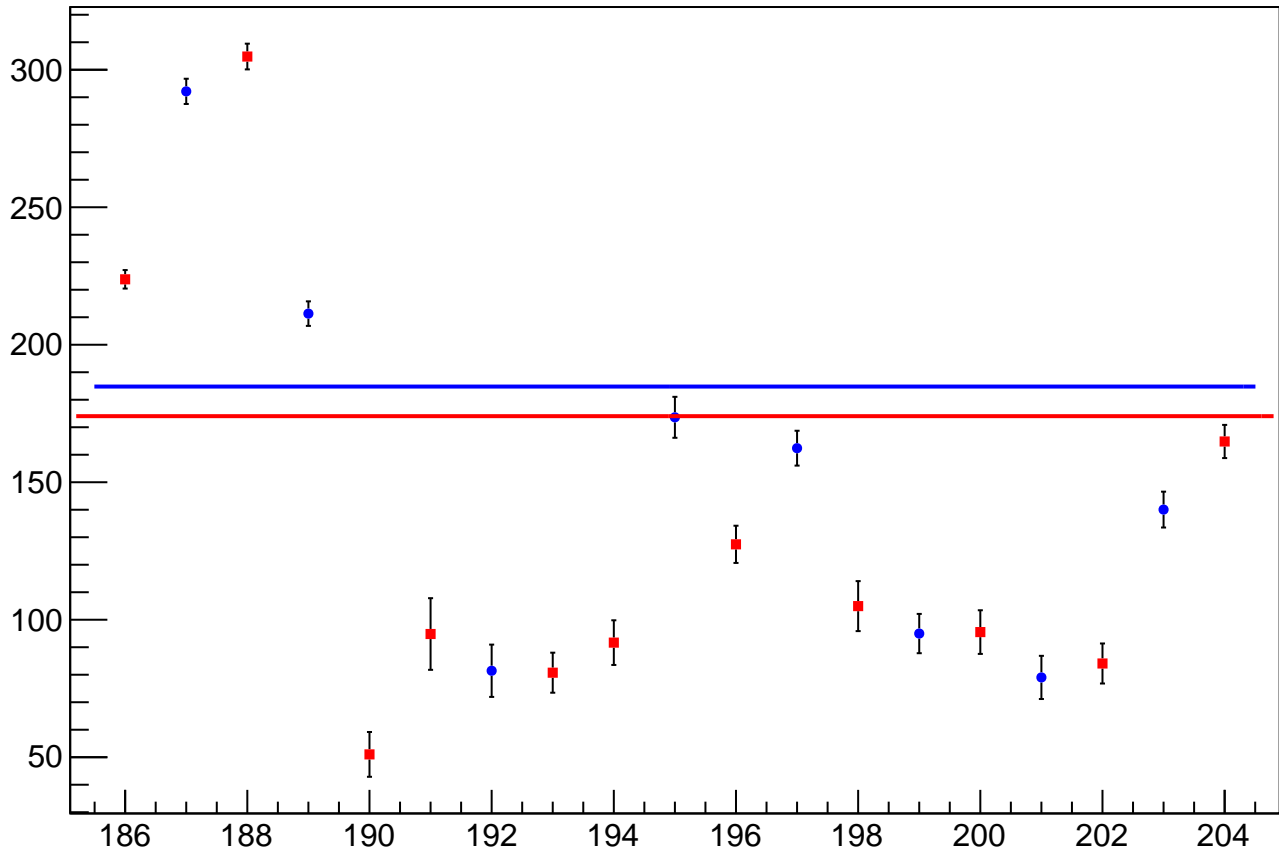
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 40.380+/-1.961  $\chi^2$ /NDF: 9.8/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 184.794 $\pm$ 2.177  $\chi^2$ /NDF: 1102.1/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 174.026 $\pm$ 1.872  $\chi^2$ /NDF: 1890.7/10

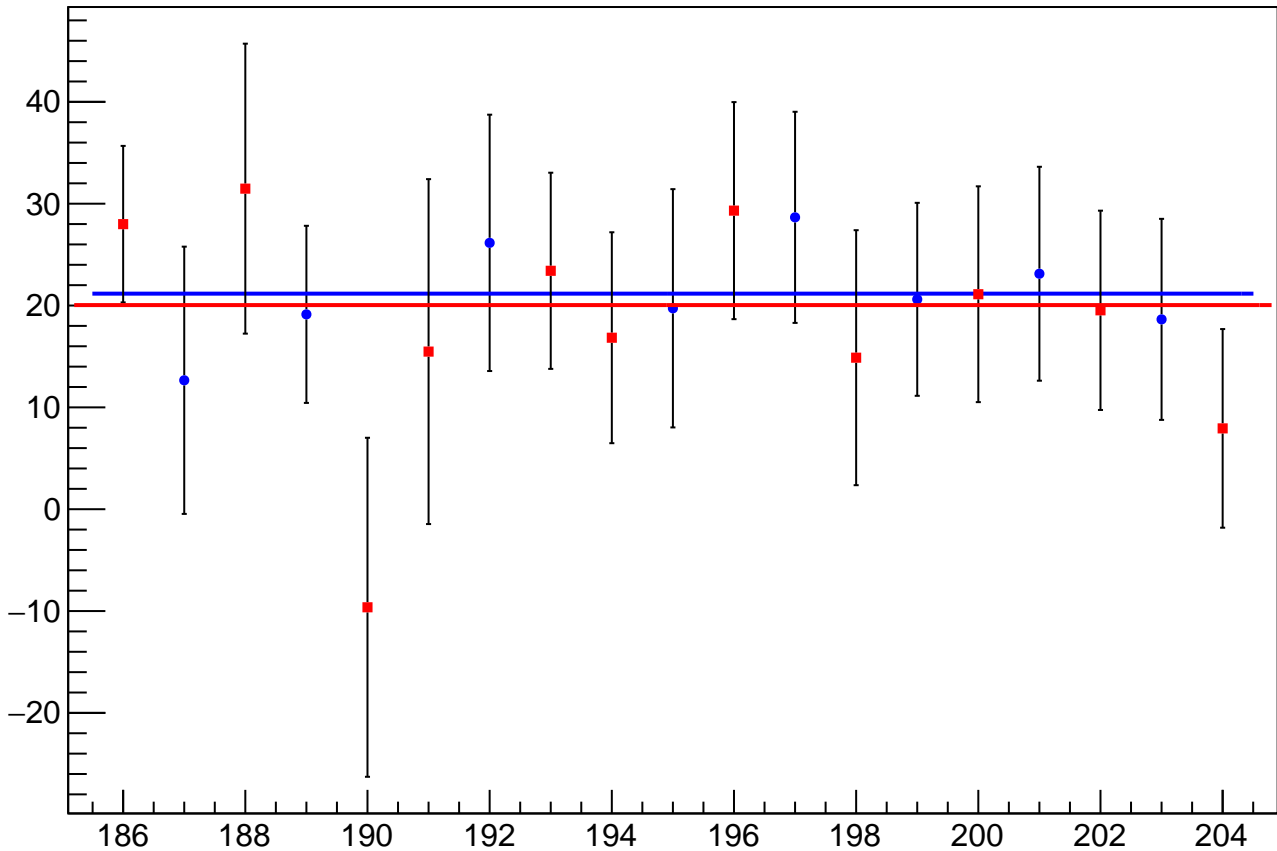
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 178.604 $\pm$ 1.419  $\chi^2$ /NDF: 3006.9/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 21.167 $\pm$ 3.716  $\chi^2$ /NDF: 1.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 20.044 $\pm$ 3.259  $\chi^2$ /NDF: 7.7/10

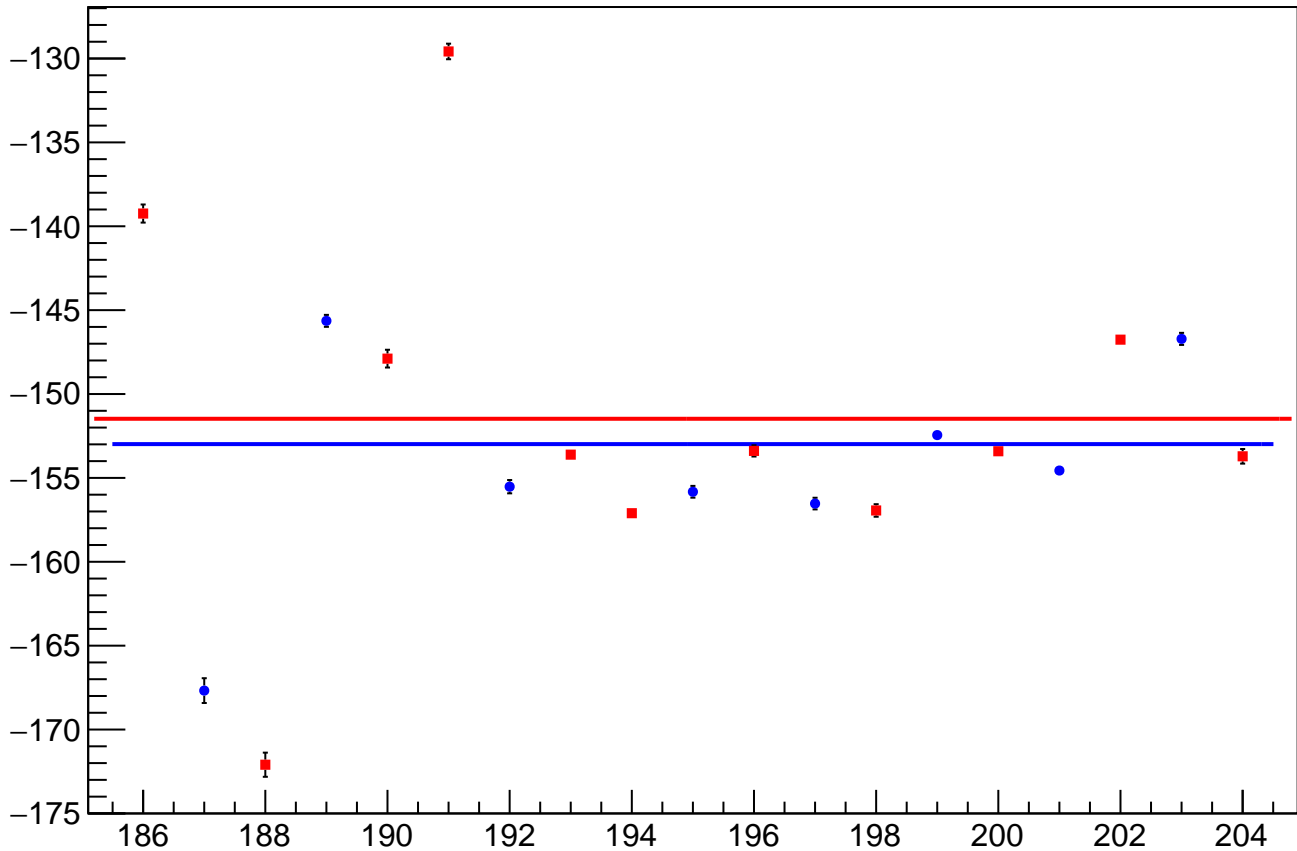
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 20.532 $\pm$ 2.450  $\chi^2$ /NDF: 9.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-152.985 \pm 0.124$   $\chi^2/\text{NDF}: 1367.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-151.475 \pm 0.111$   $\chi^2/\text{NDF}: 4605.2/10$

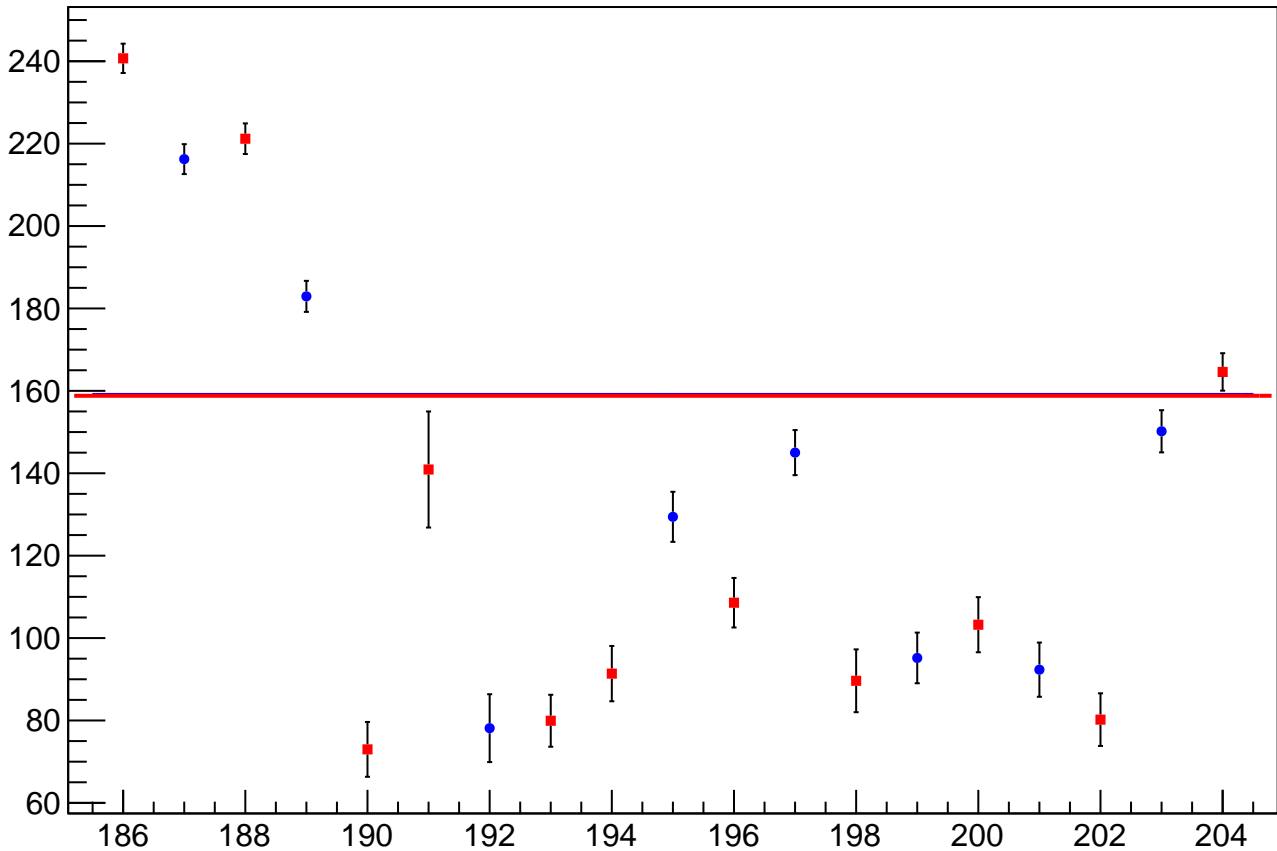
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-152.147 \pm 0.083$   $\chi^2/\text{NDF}: 6054.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr1l2\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 159.012 $\pm$ 1.798  $\chi^2$ /NDF: 629.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 158.805 $\pm$ 1.652  $\chi^2$ /NDF: 1610.1/10

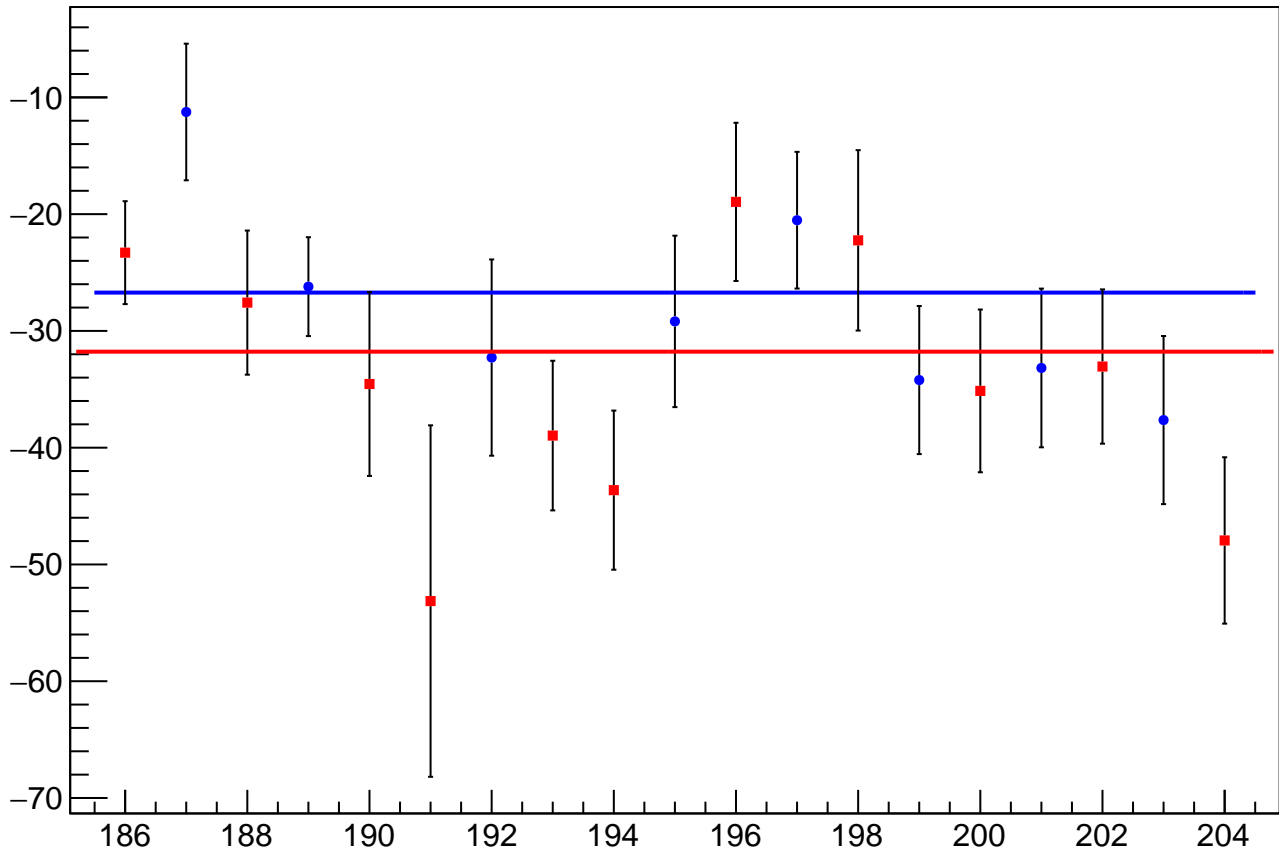
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 158.900 $\pm$ 1.217  $\chi^2$ /NDF: 2239.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -26.718 $\pm$ 2.168  $\chi^2$ /NDF: 13.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -31.778 $\pm$ 2.016  $\chi^2$ /NDF: 21.1/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

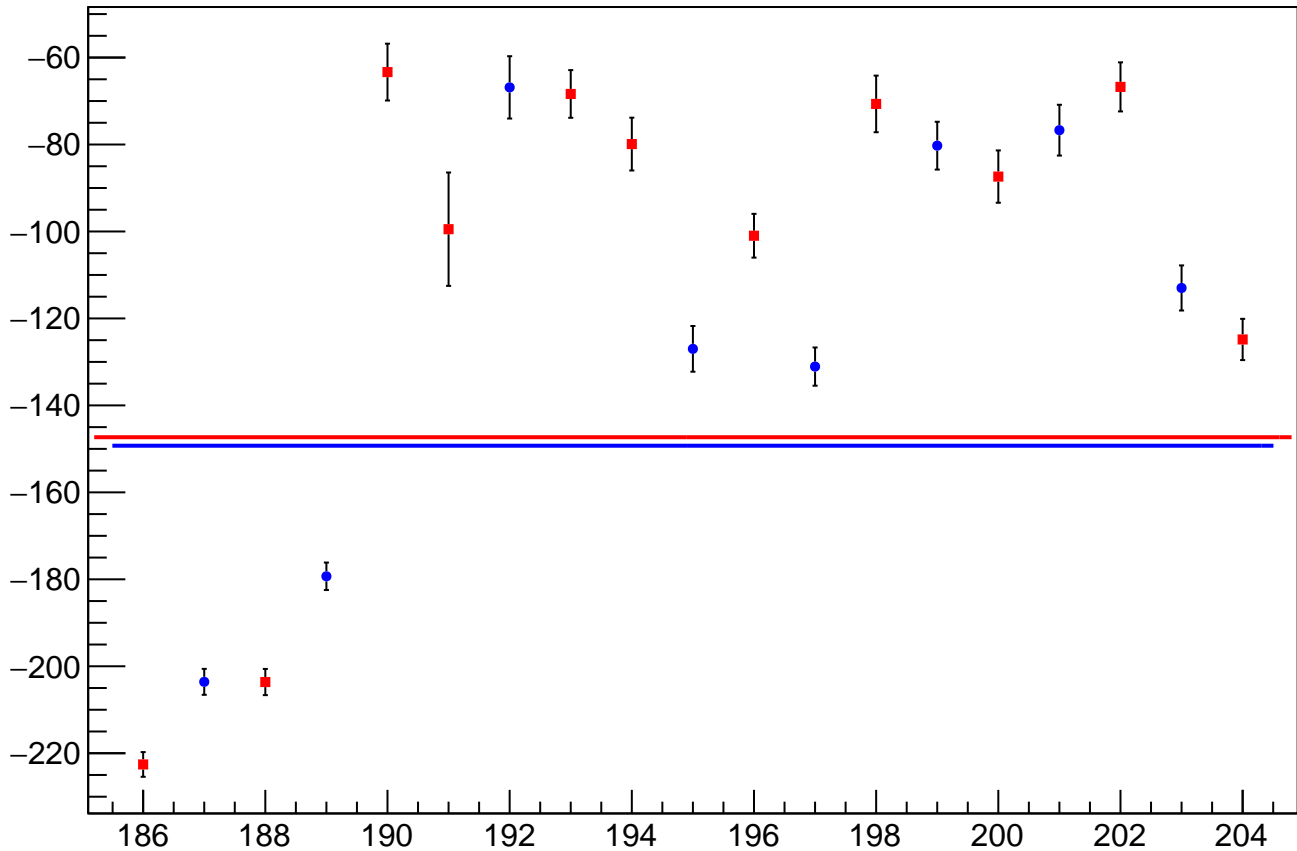
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -29.431 $\pm$ 1.476  $\chi^2$ /NDF: 37.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-149.273 \pm 1.544$   $\chi^2/\text{NDF}$ : 950.1/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-147.319 \pm 1.428$   $\chi^2/\text{NDF}$ : 2108.8/10

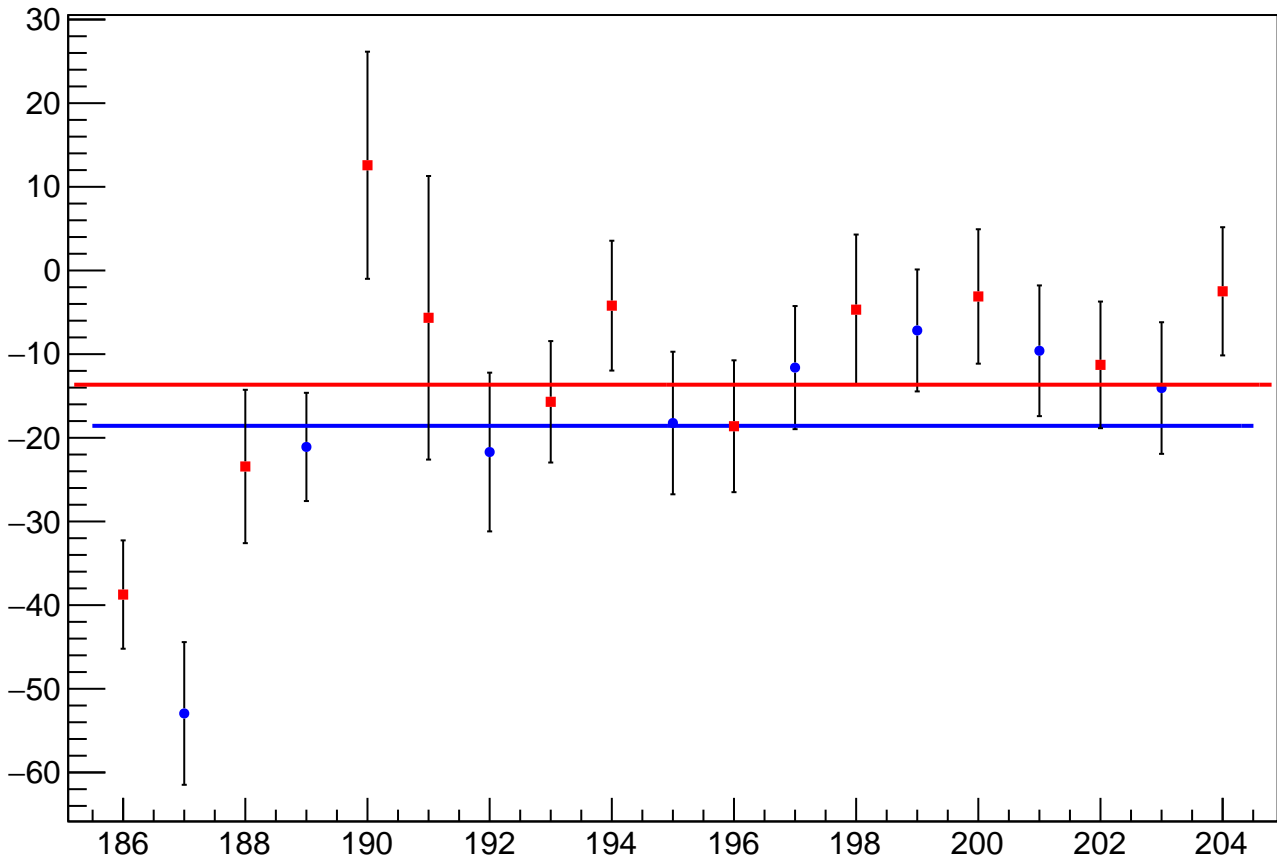
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-148.220 \pm 1.048$   $\chi^2/\text{NDF}$ : 3059.8/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: -18.568 $\pm$ 2.749  $\chi^2/NDF$ : 21.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2/NDF$ : 0.0/0

Right Out: -13.651 $\pm$ 2.510  $\chi^2/NDF$ : 27.0/10

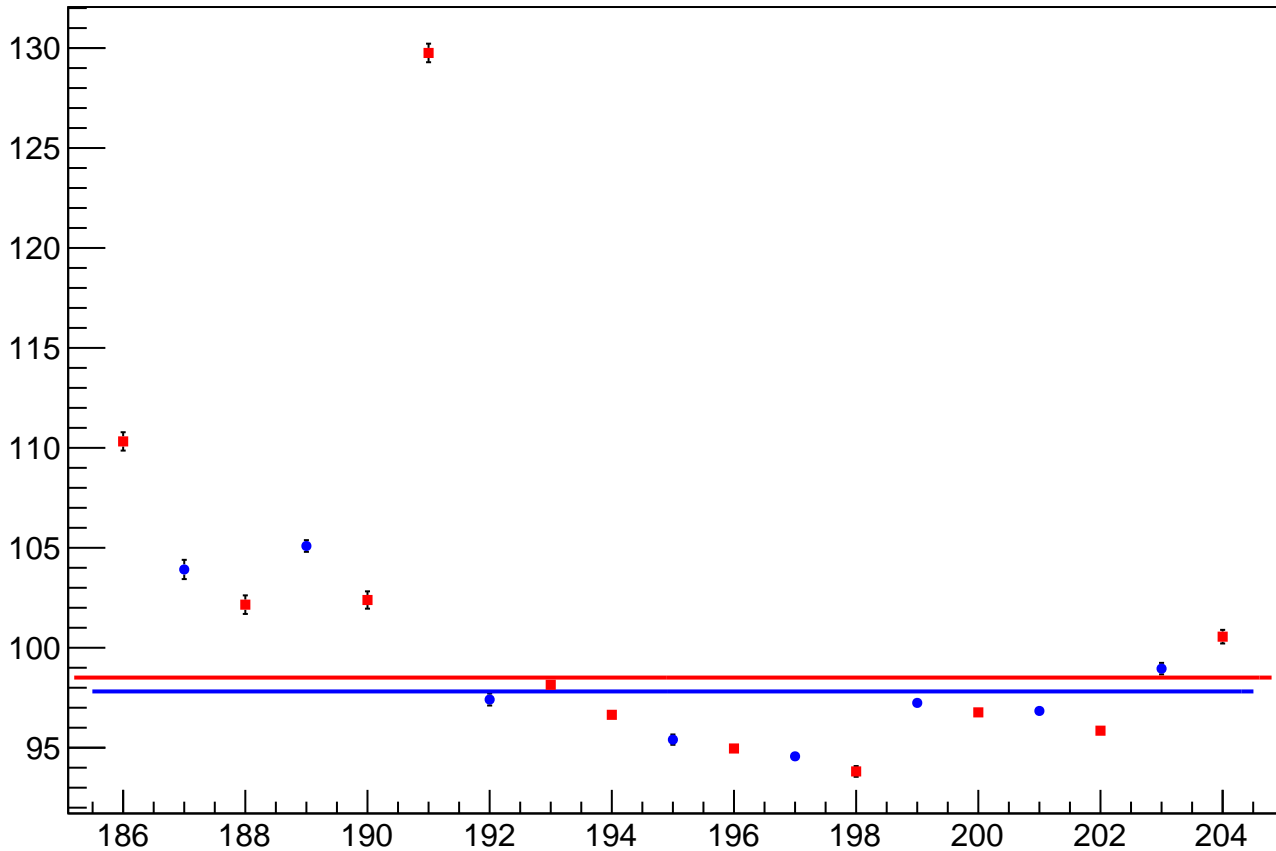
Left In: 0.000 $\pm$ 0.000  $\chi^2/NDF$ : 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2/NDF$ : 0.0/0

All: -15.887 $\pm$ 1.853  $\chi^2/NDF$ : 50.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2/NDF$ : 0.0/0

# reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 97.815 $\pm$ 0.094  $\chi^2$ /NDF: 1077.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 98.508 $\pm$ 0.085  $\chi^2$ /NDF: 6153.4/10

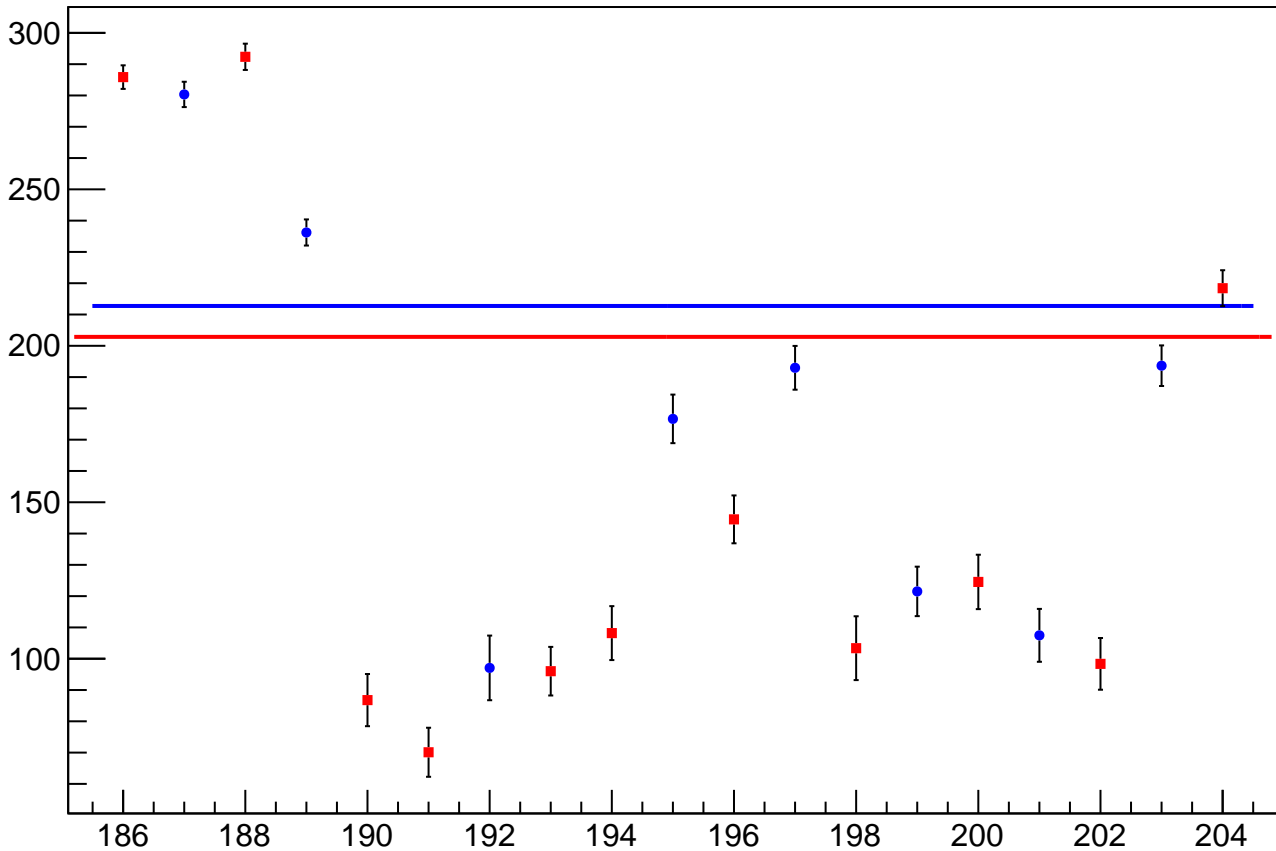
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 98.196 $\pm$ 0.063  $\chi^2$ /NDF: 7260.6/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 212.732 $\pm$ 2.139  $\chi^2$ /NDF: 762.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 202.854 $\pm$ 1.915  $\chi^2$ /NDF: 2132.3/10

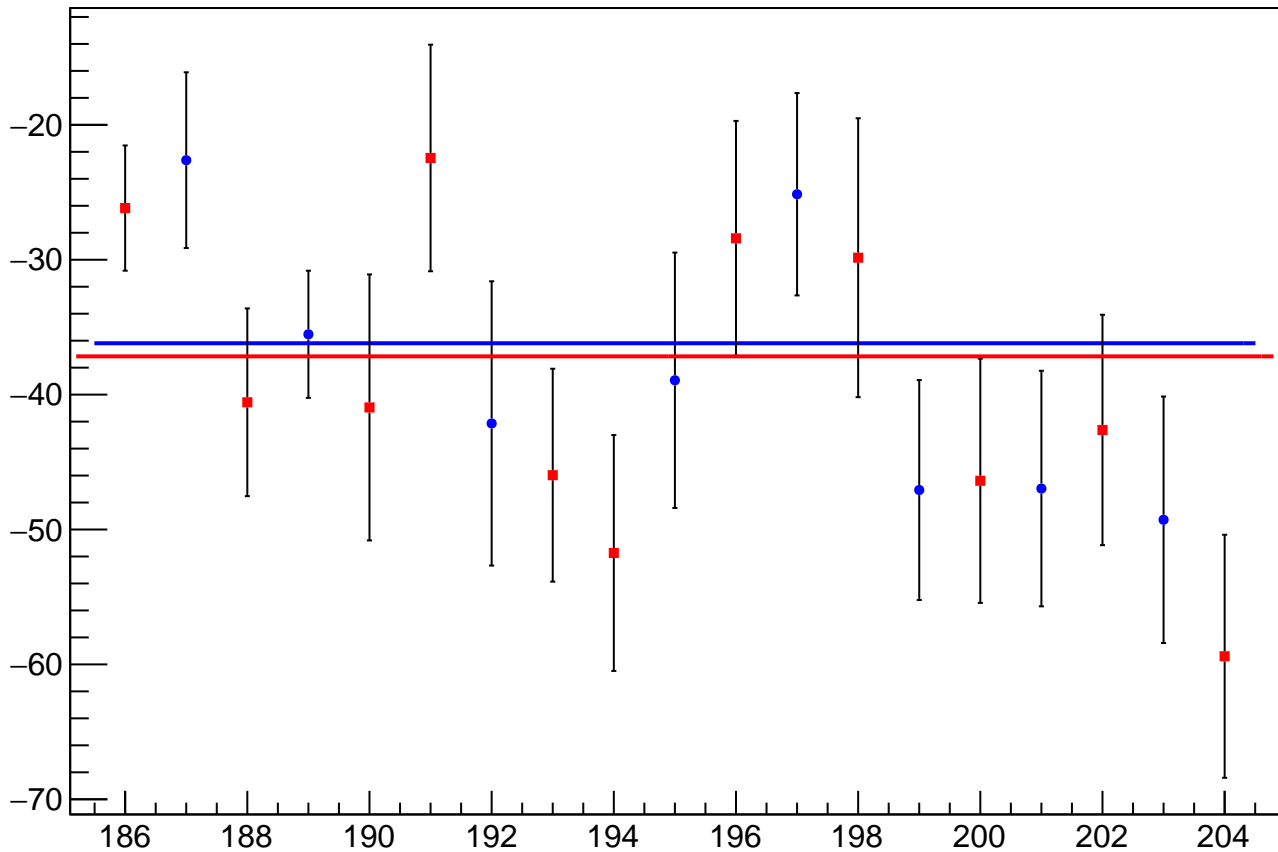
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 207.248 $\pm$ 1.427  $\chi^2$ /NDF: 2906.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: -36.191 $\pm$ 2.611  $\chi^2$ /NDF: 12.3/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -37.164 $\pm$ 2.348  $\chi^2$ /NDF: 22.1/10

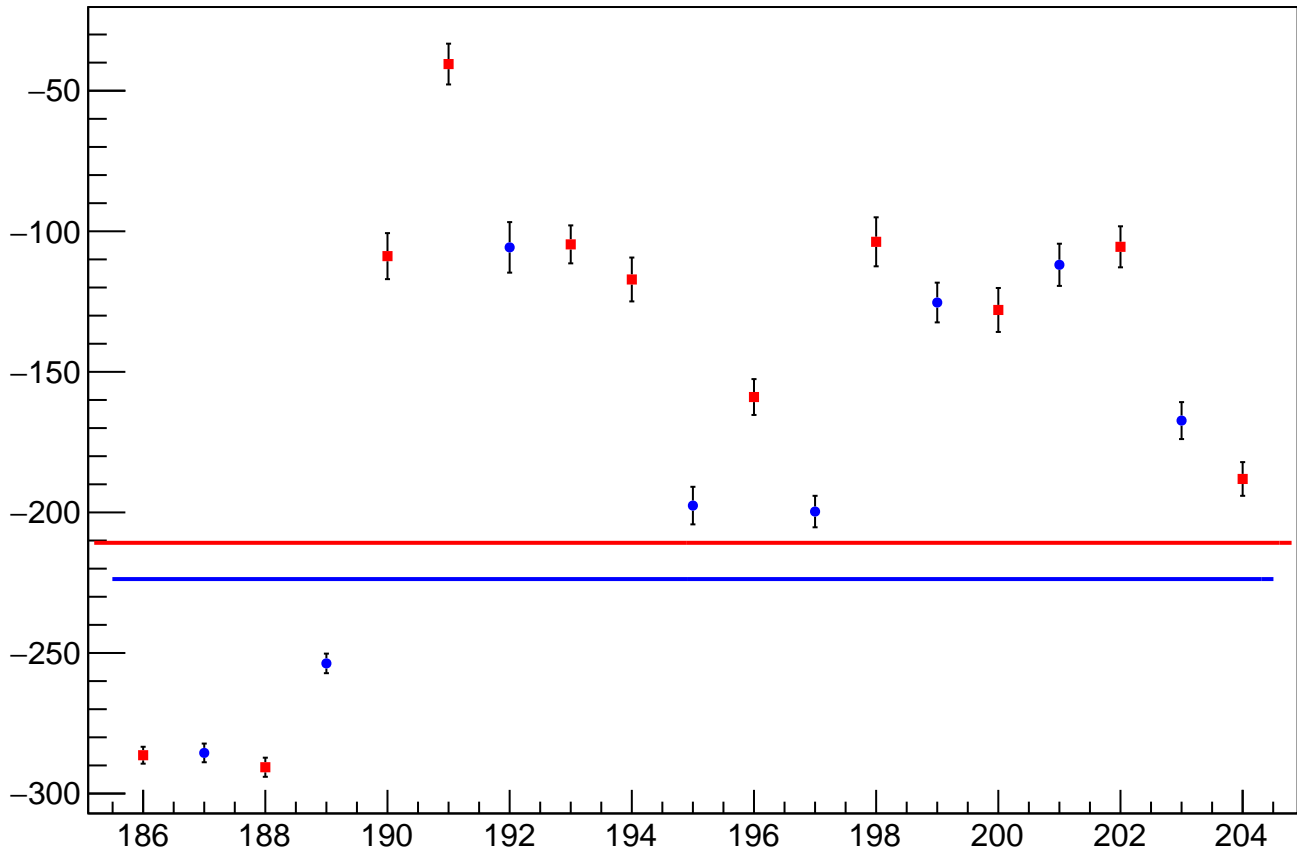
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -36.729 $\pm$ 1.746  $\chi^2$ /NDF: 34.5/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-223.709 \pm 1.824$   $\chi^2/\text{NDF}: 1115.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-210.811 \pm 1.644$   $\chi^2/\text{NDF}: 2832.4/10$

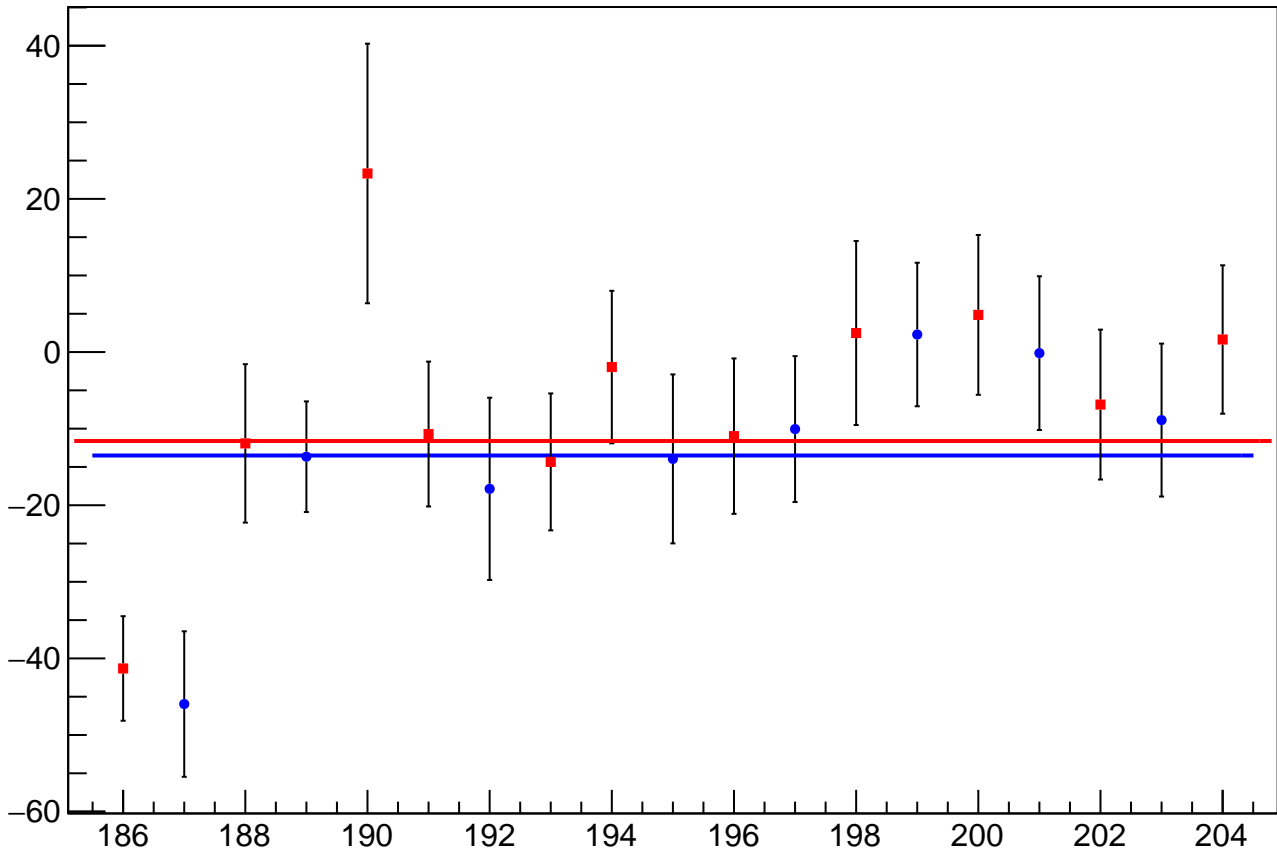
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-216.591 \pm 1.221$   $\chi^2/\text{NDF}: 3975.5/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-13.507 \pm 3.373$   $\chi^2/\text{NDF}: 16.8/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-11.610 \pm 2.949$   $\chi^2/\text{NDF}: 30.2/10$

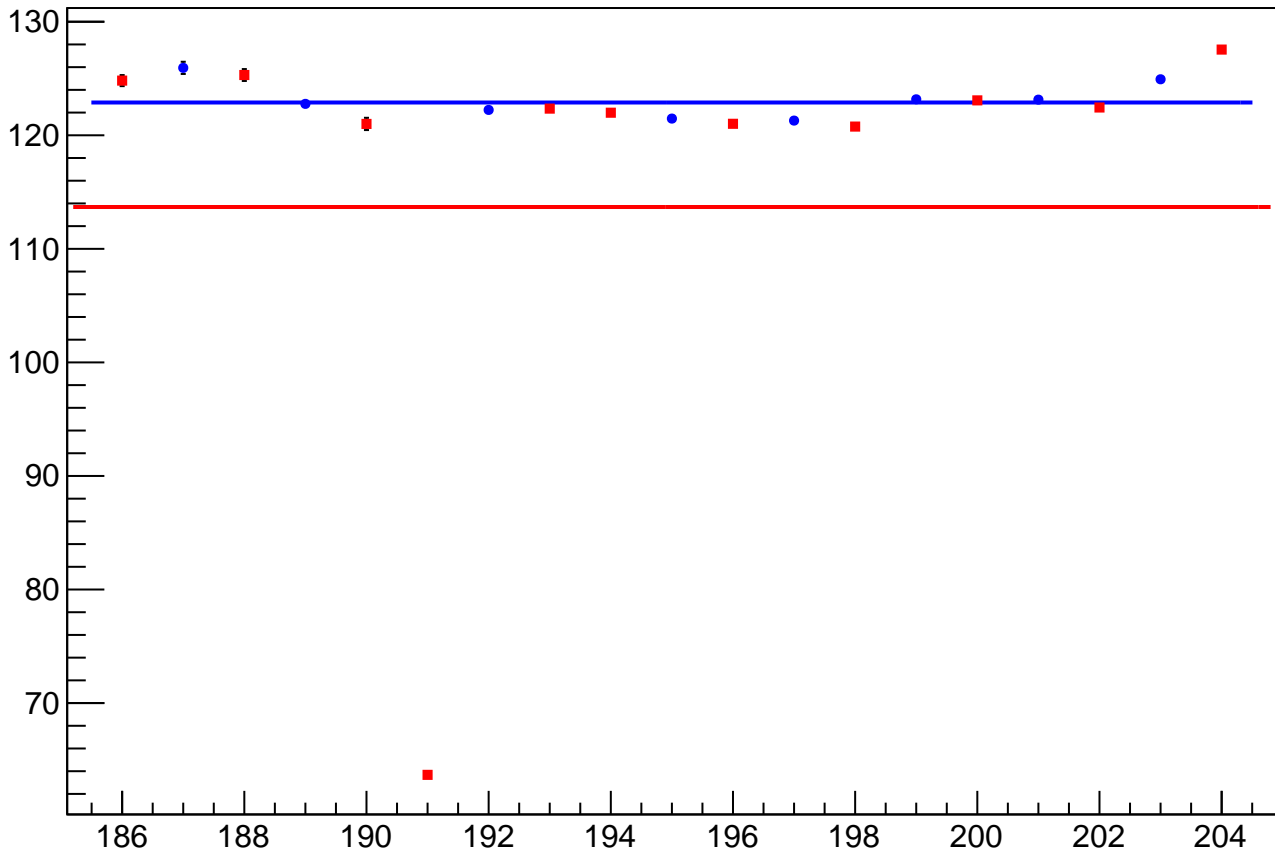
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-12.432 \pm 2.220$   $\chi^2/\text{NDF}: 47.2/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 122.887 $\pm$ 0.119  $\chi^2$ /NDF: 109.0/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 113.685 $\pm$ 0.101  $\chi^2$ /NDF: 44179.7/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

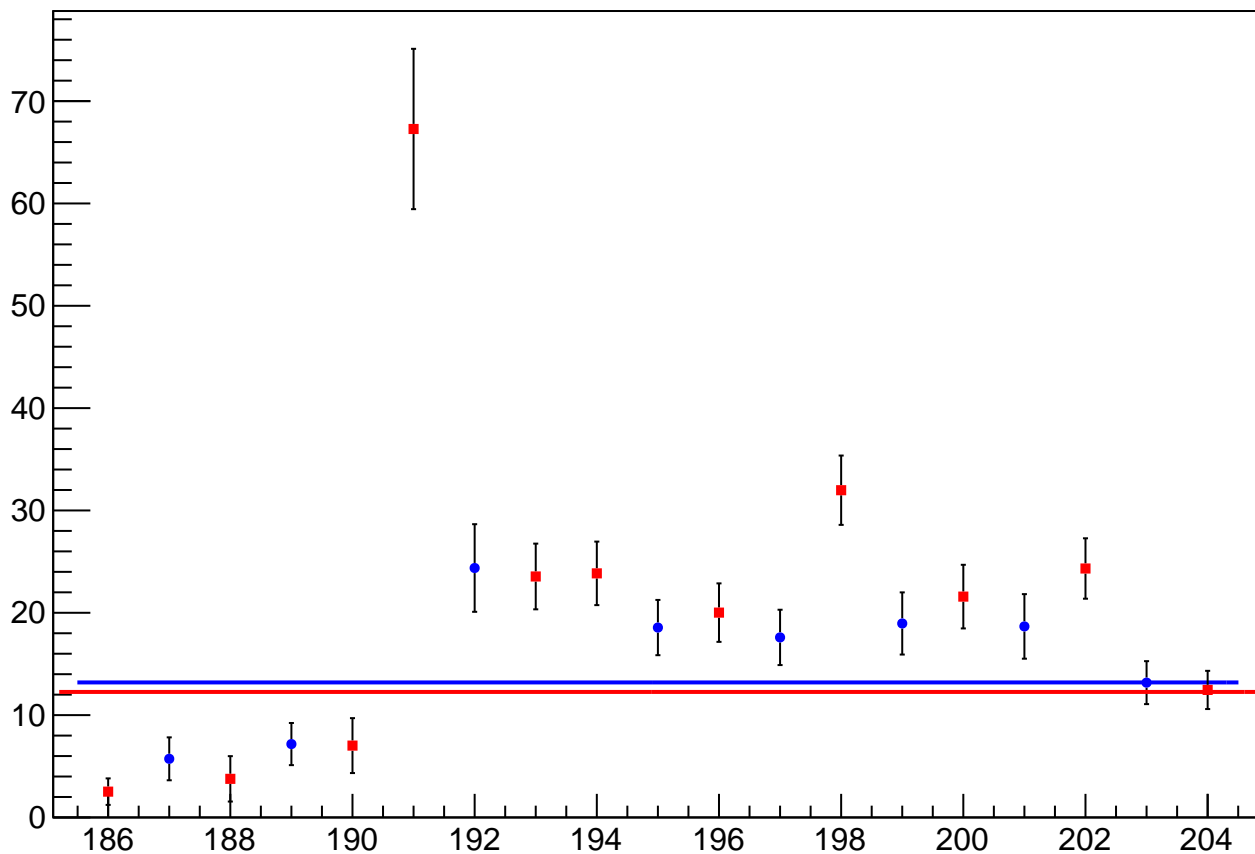
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 117.547 $\pm$ 0.077  $\chi^2$ /NDF: 47774.1/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 13.194+/-0.903  $\chi^2$ /NDF: 41.2/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 12.266+/-0.731  $\chi^2$ /NDF: 217.6/10

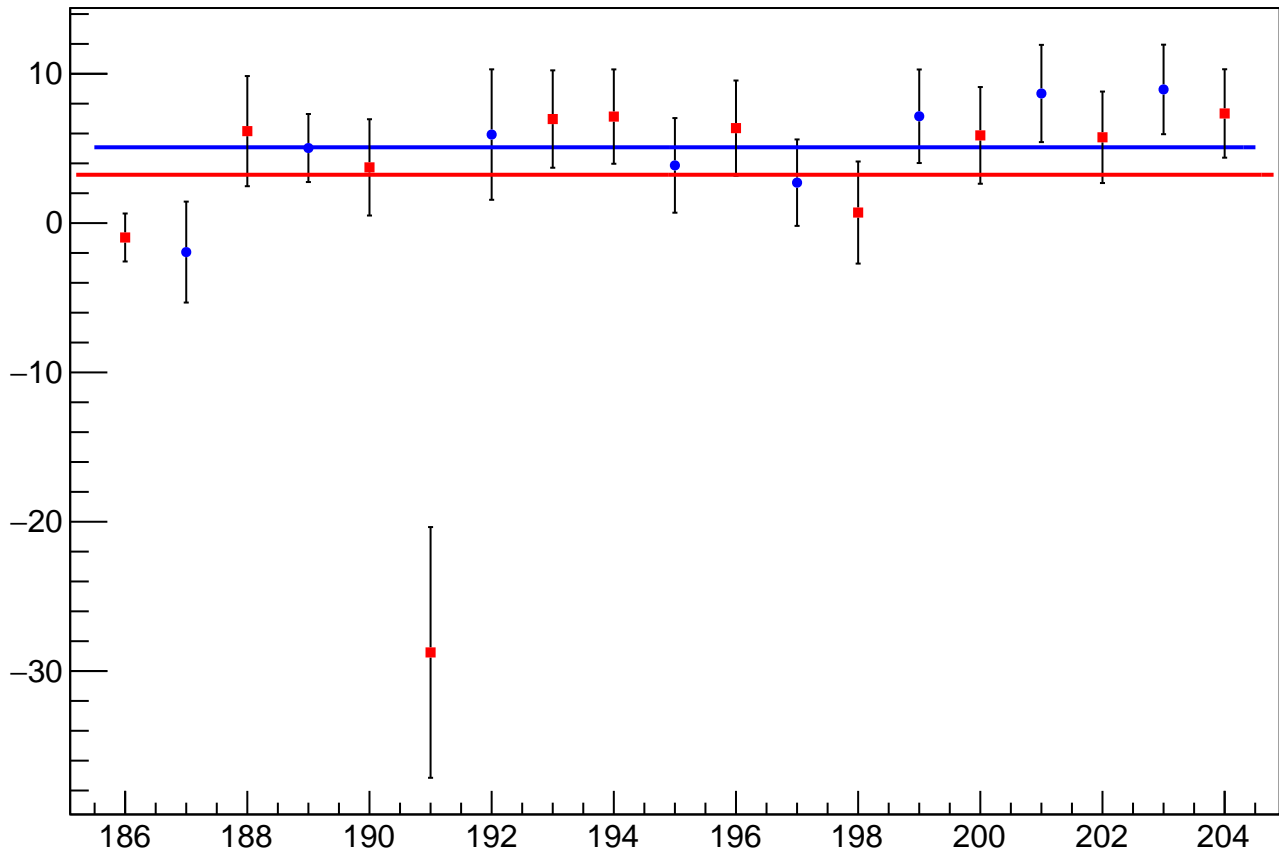
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 12.634+/-0.568  $\chi^2$ /NDF: 259.5/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 5.077+/-1.079  $\chi^2/\text{NDF}$ : 8.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.238+/-0.889  $\chi^2/\text{NDF}$ : 29.6/10

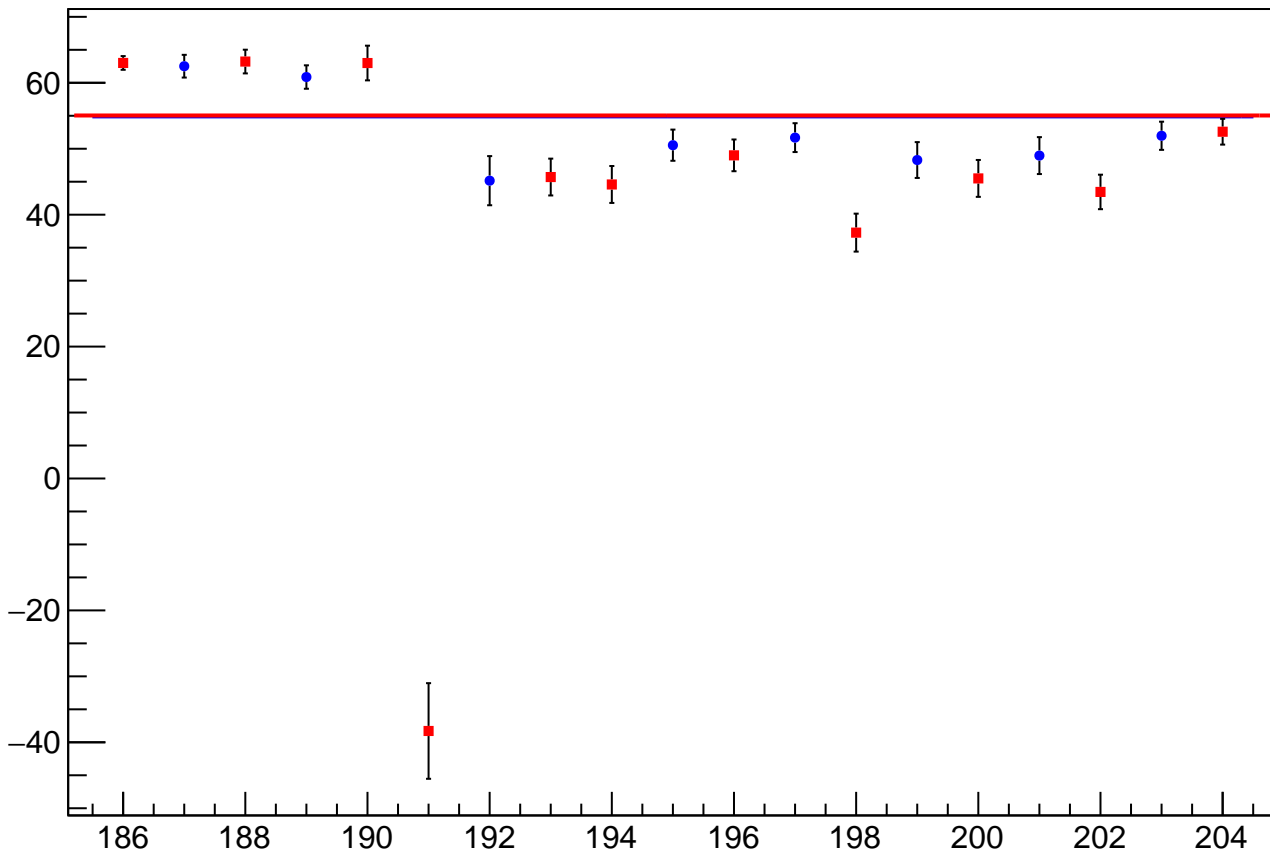
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.982+/-0.686  $\chi^2/\text{NDF}$ : 39.8/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 54.903+/-0.792  $\chi^2$ /NDF: 55.6/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 55.043+/-0.634  $\chi^2$ /NDF: 356.7/10

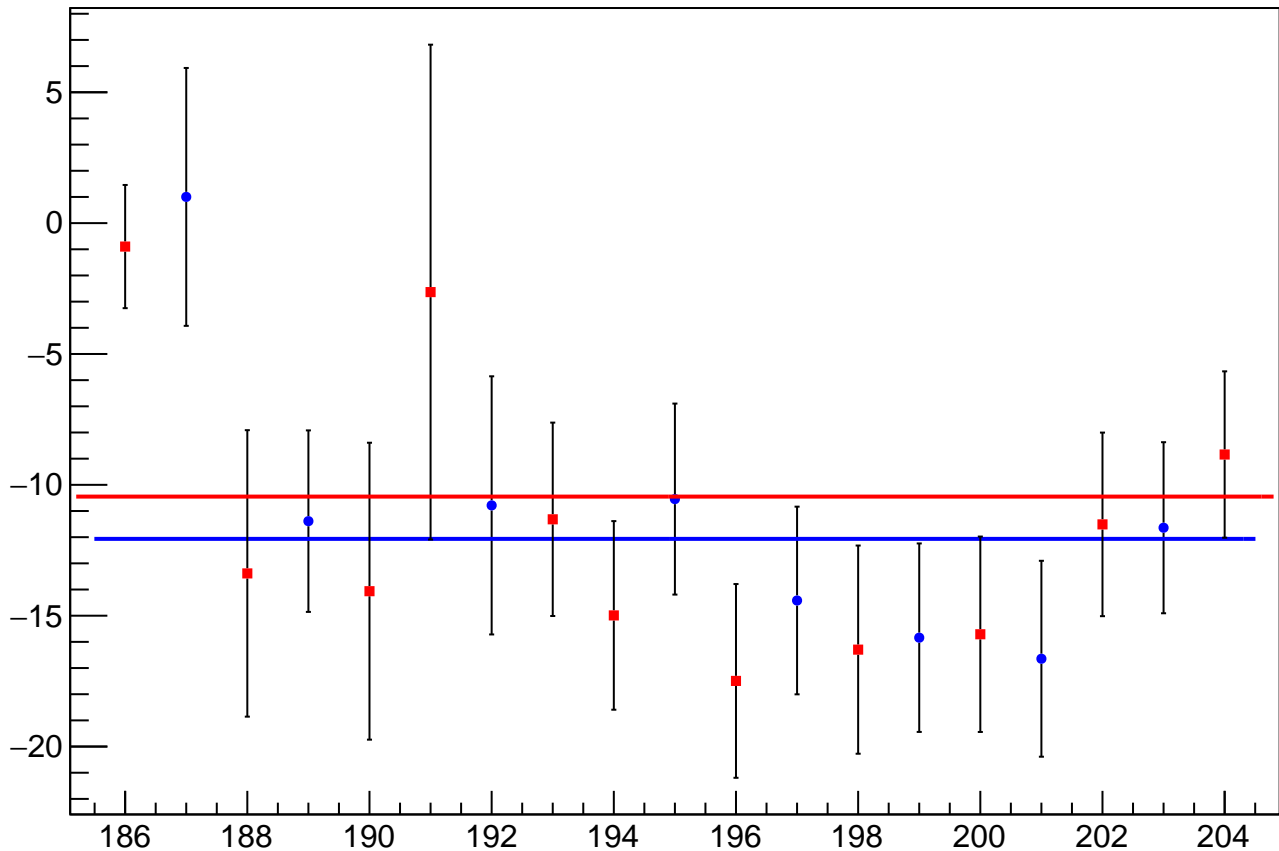
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 54.988+/-0.495  $\chi^2$ /NDF: 412.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-12.065 \pm 1.336$   $\chi^2/\text{NDF}: 10.4/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-10.449 \pm 1.122$   $\chi^2/\text{NDF}: 27.6/10$

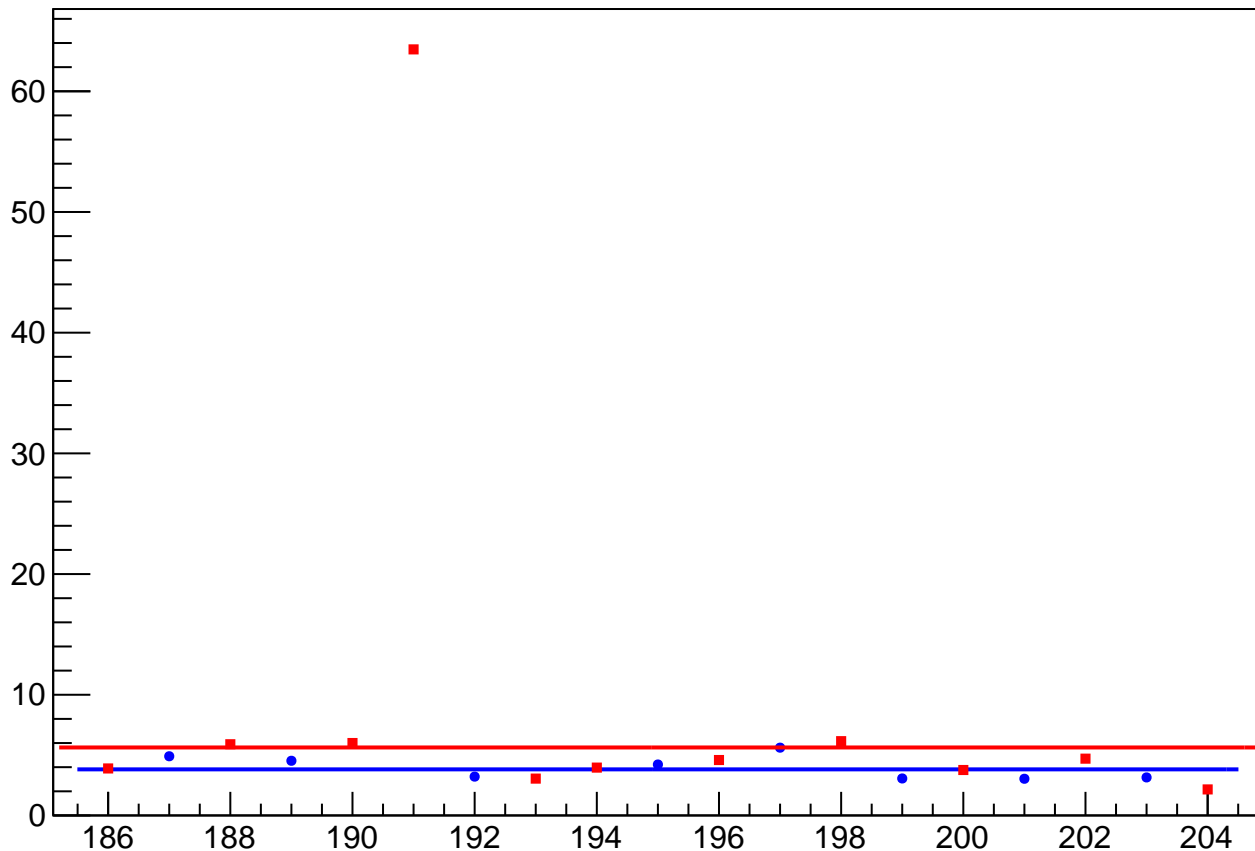
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-11.117 \pm 0.859$   $\chi^2/\text{NDF}: 38.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 3.819+/-0.044  $\chi^2/\text{NDF}$ : 430.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.633+/-0.039  $\chi^2/\text{NDF}$ : 51826.1/10

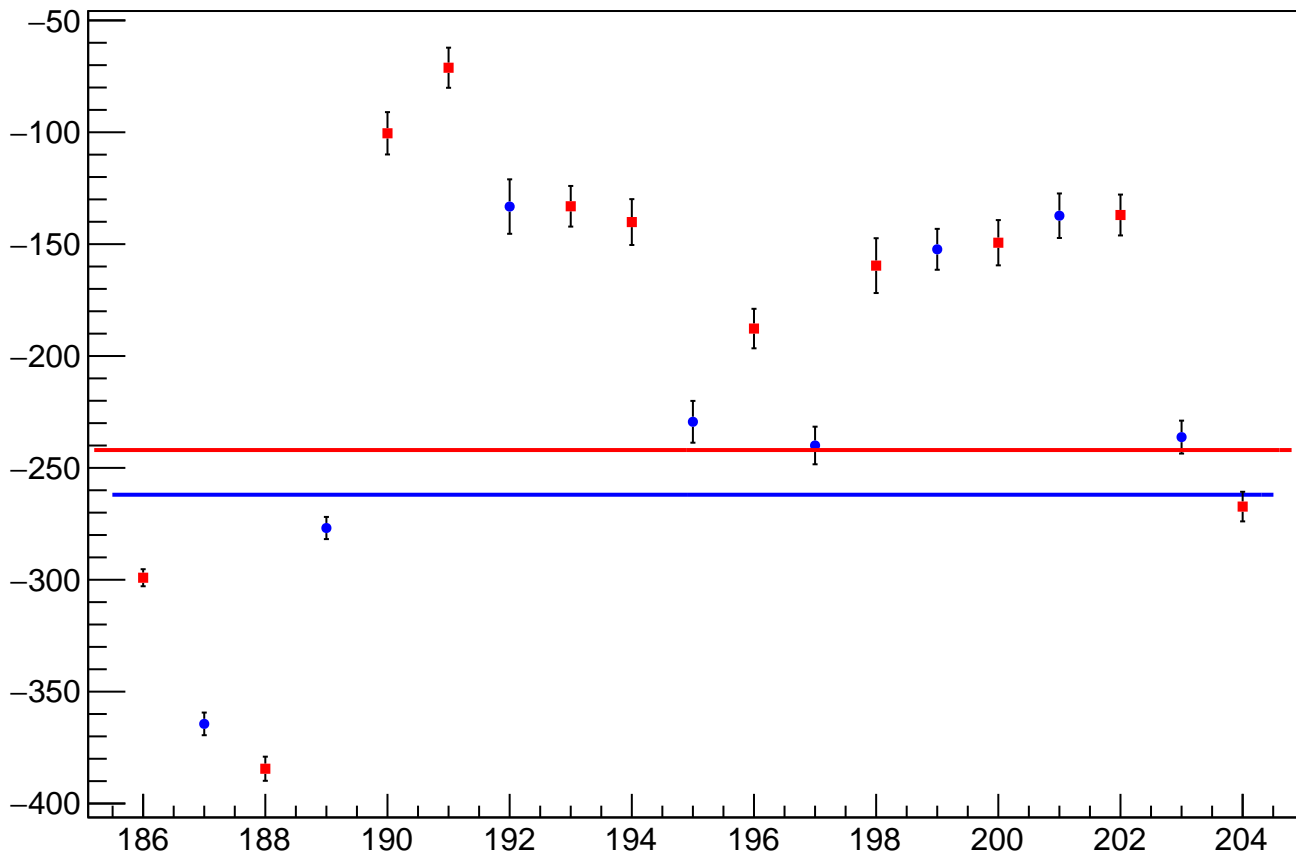
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.833+/-0.030  $\chi^2/\text{NDF}$ : 53187.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-261.994 \pm 2.559$   $\chi^2/\text{NDF}$ : 862.8/7

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-242.023 \pm 2.169$   $\chi^2/\text{NDF}$ : 2065.8/10

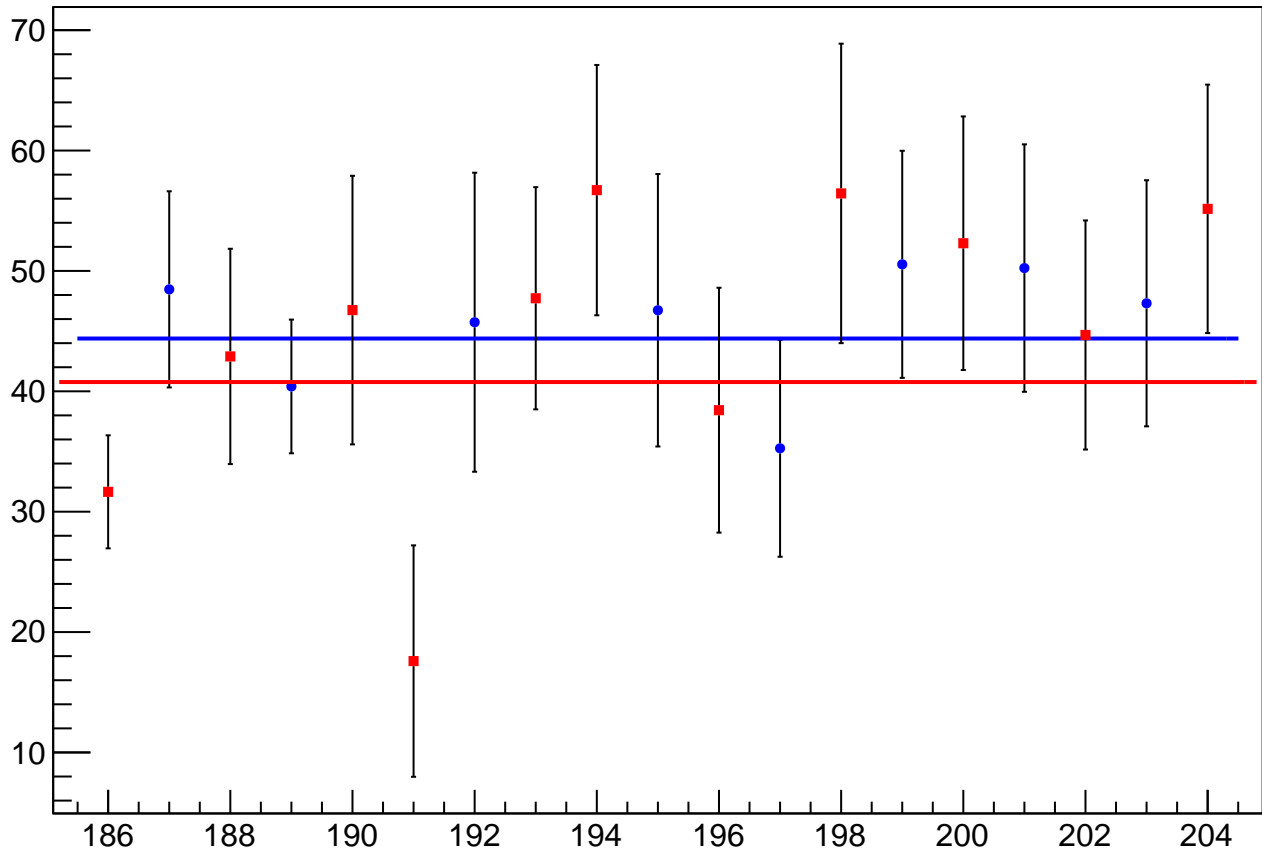
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-250.370 \pm 1.654$   $\chi^2/\text{NDF}$ : 2964.1/18

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 44.384+/-3.095  $\chi^2$ /NDF: 2.7/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 40.769+/-2.642  $\chi^2$ /NDF: 17.8/10

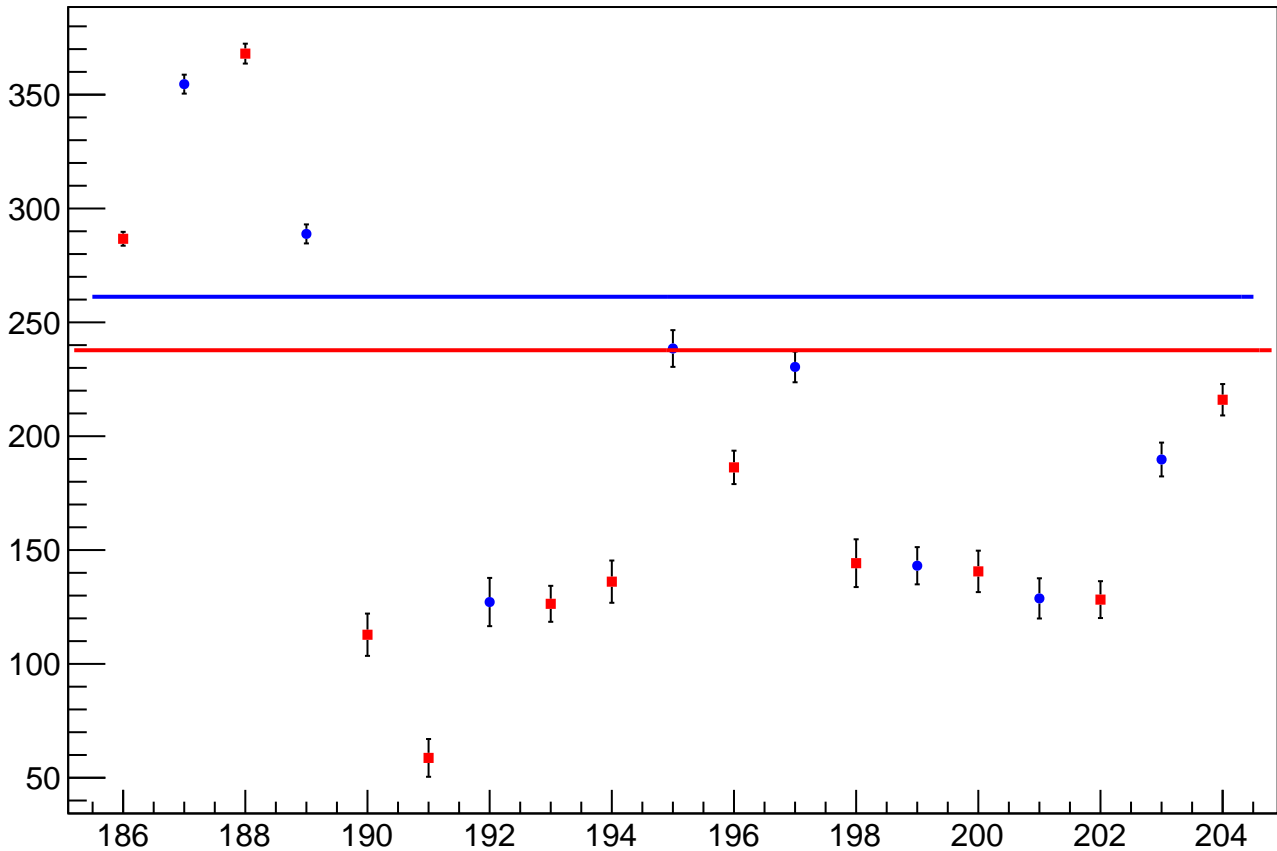
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 42.293+/-2.009  $\chi^2$ /NDF: 21.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 261.242 $\pm$ 2.195  $\chi^2$ /NDF: 1263.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 237.755 $\pm$ 1.856  $\chi^2$ /NDF: 2549.5/10

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

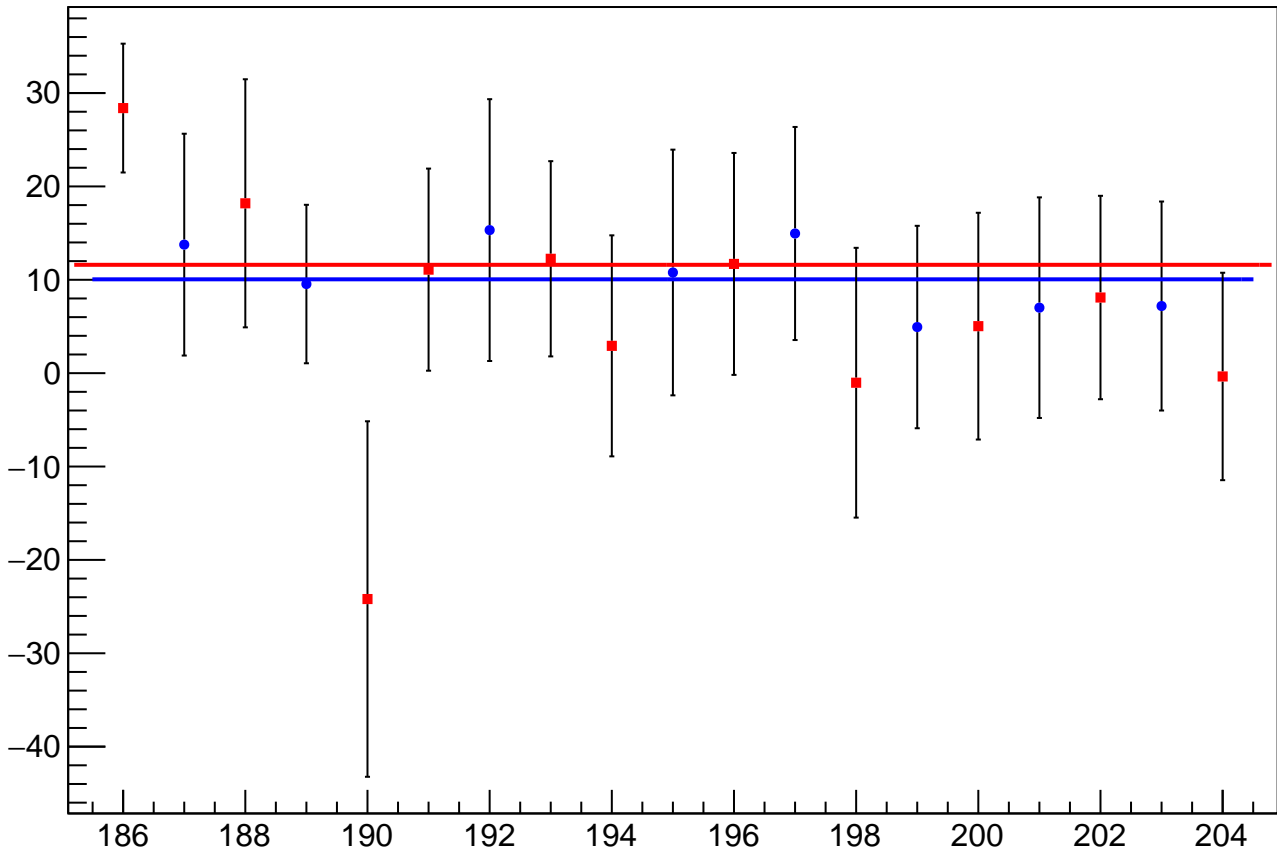
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 247.543 $\pm$ 1.417  $\chi^2$ /NDF: 3879.8/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 10.050+/-3.979  $\chi^2$ /NDF: 0.8/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 11.604+/-3.344  $\chi^2$ /NDF: 12.6/10

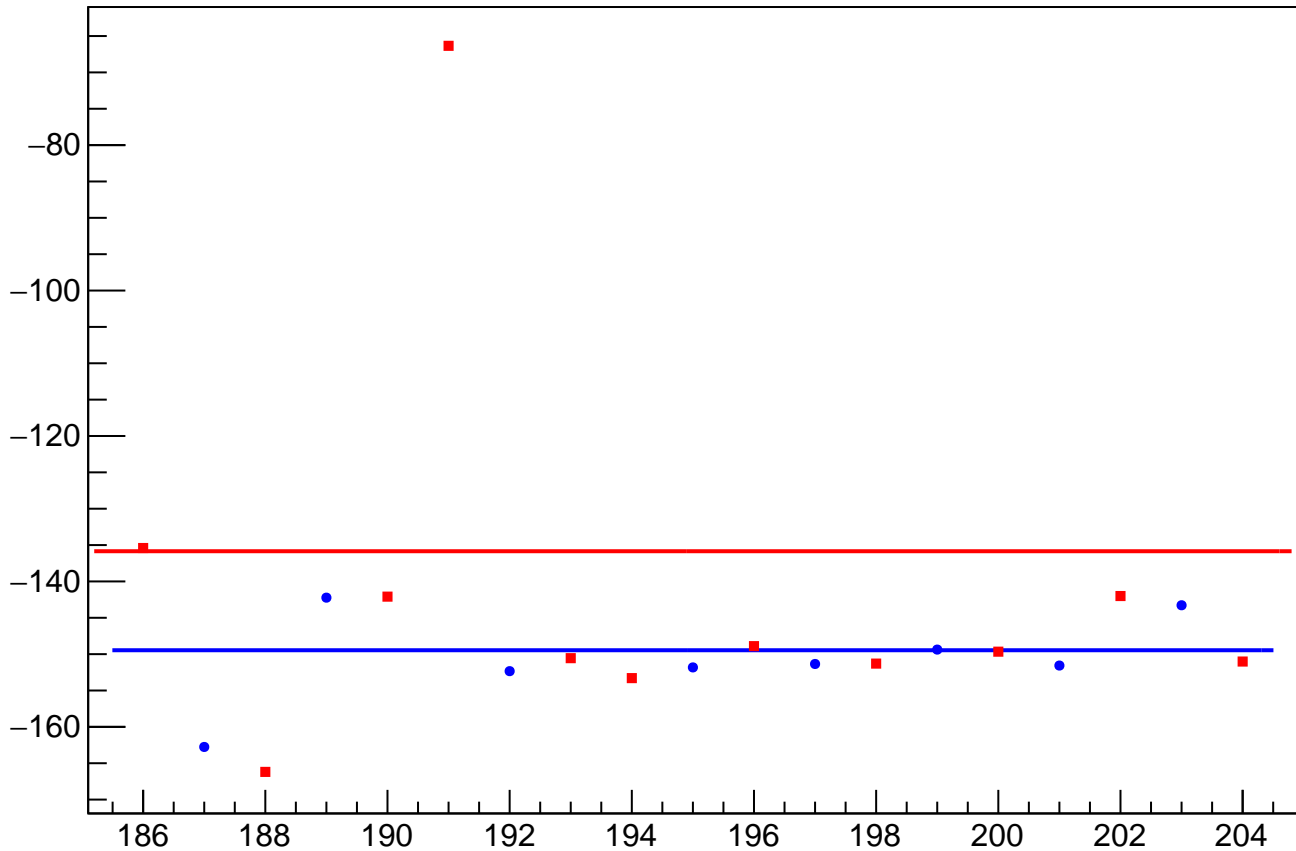
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 10.961+/-2.560  $\chi^2$ /NDF: 13.4/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-149.463 \pm 0.138$   $\chi^2/\text{NDF}: 1137.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-135.847 \pm 0.116$   $\chi^2/\text{NDF}: 67159.2/10$

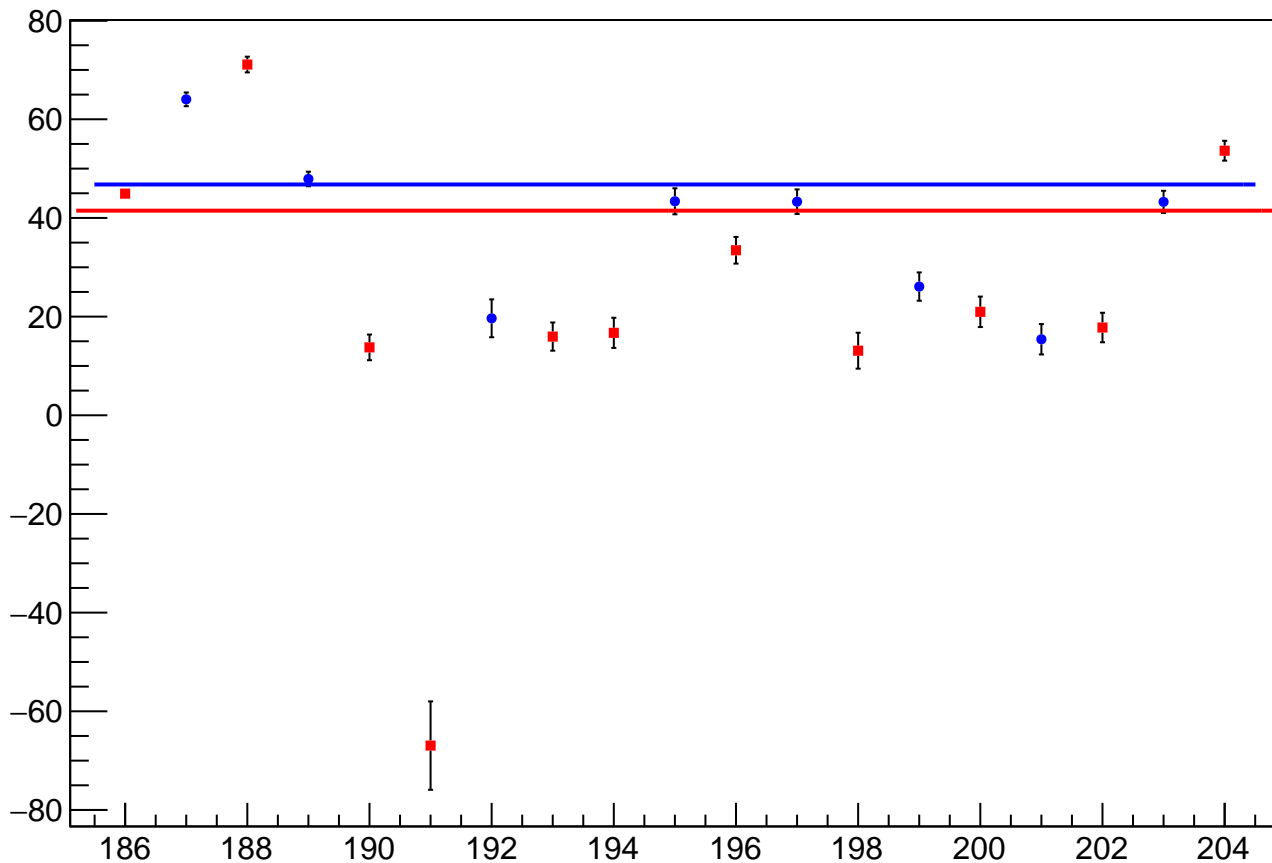
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-141.503 \pm 0.089$   $\chi^2/\text{NDF}: 73980.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 46.784 $\pm$ 0.751  $\chi^2$ /NDF: 365.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 41.473 $\pm$ 0.598  $\chi^2$ /NDF: 978.7/10

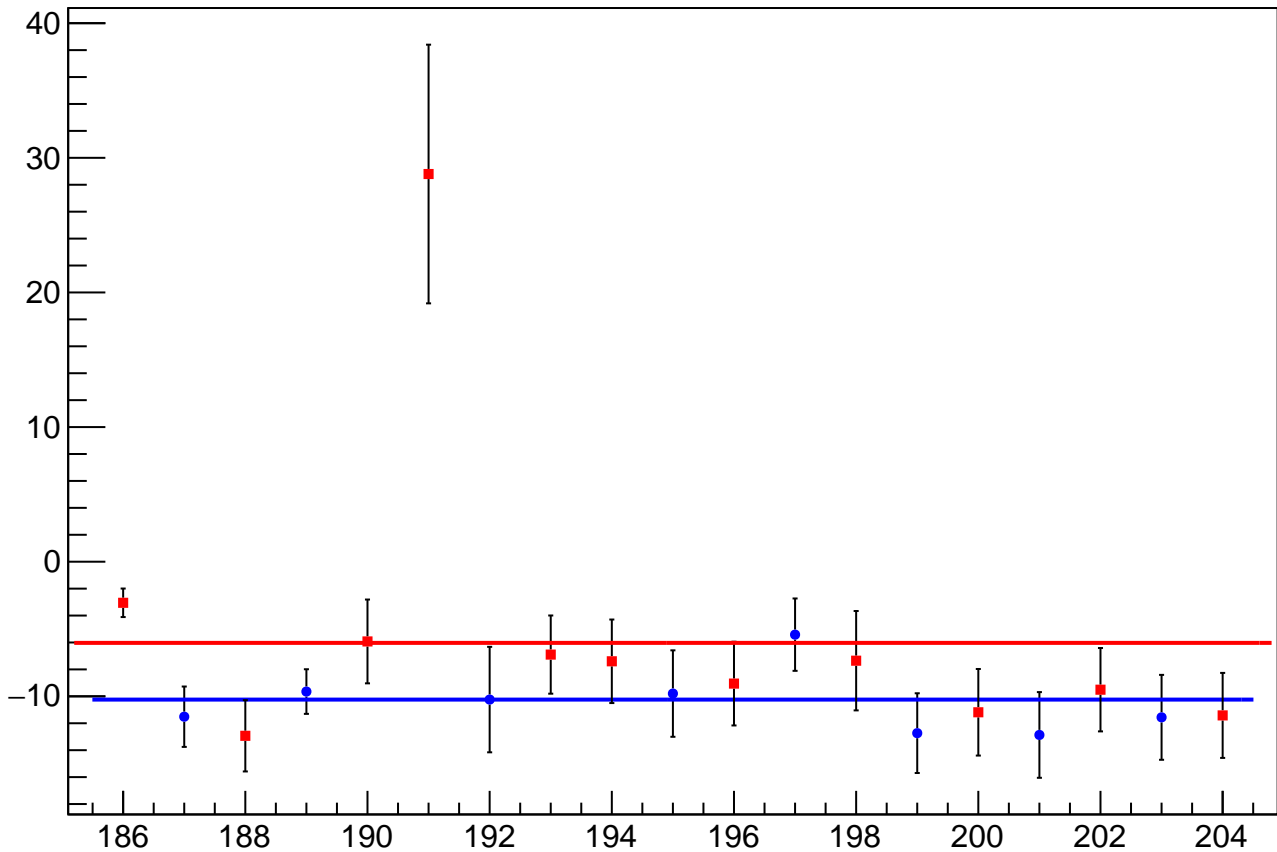
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 43.533 $\pm$ 0.468  $\chi^2$ /NDF: 1375.0/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-10.242 \pm 0.922$   $\chi^2/\text{NDF}: 5.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.030 \pm 0.736$   $\chi^2/\text{NDF}: 35.9/10$

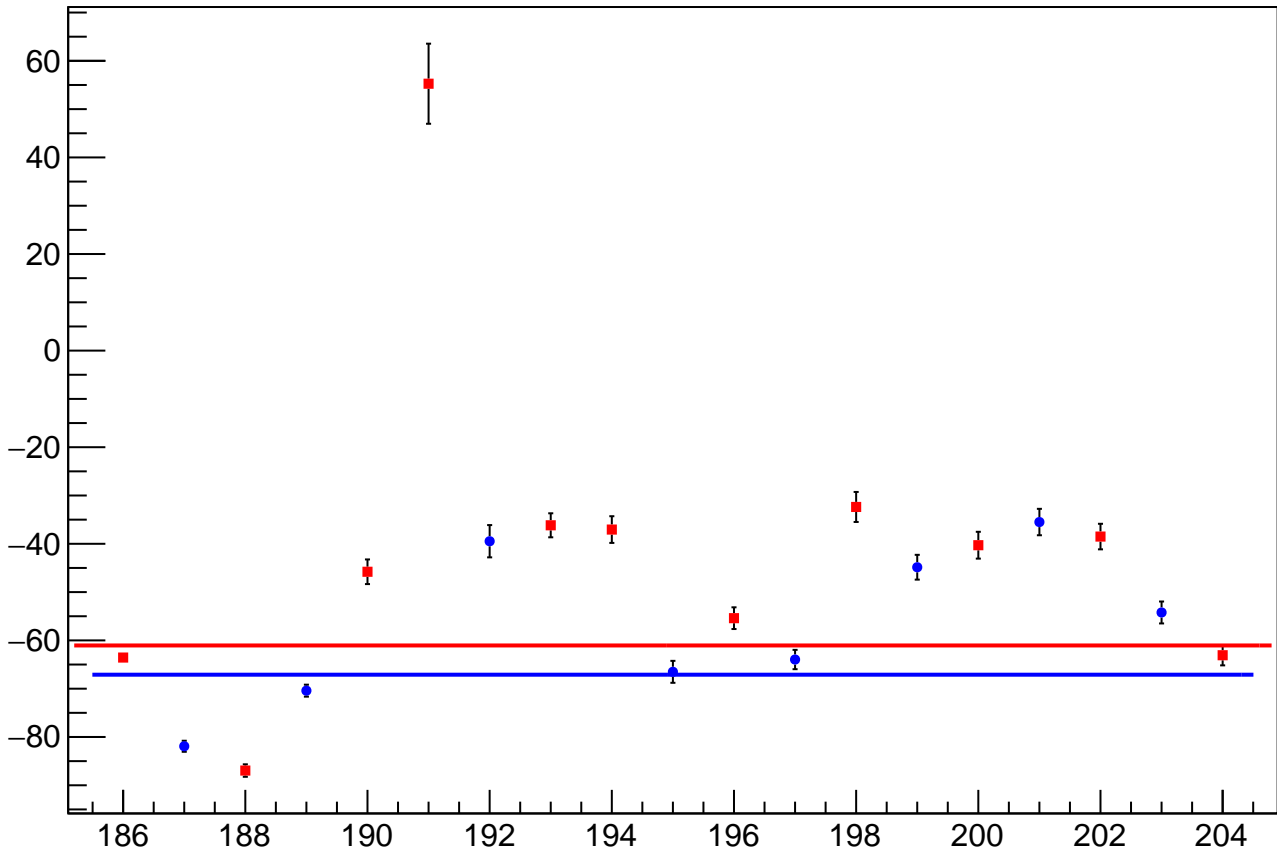
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-7.668 \pm 0.575$   $\chi^2/\text{NDF}: 54.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-67.104 \pm 0.642$   $\chi^2/\text{NDF}: 486.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-61.050 \pm 0.503$   $\chi^2/\text{NDF}: 1043.6/10$

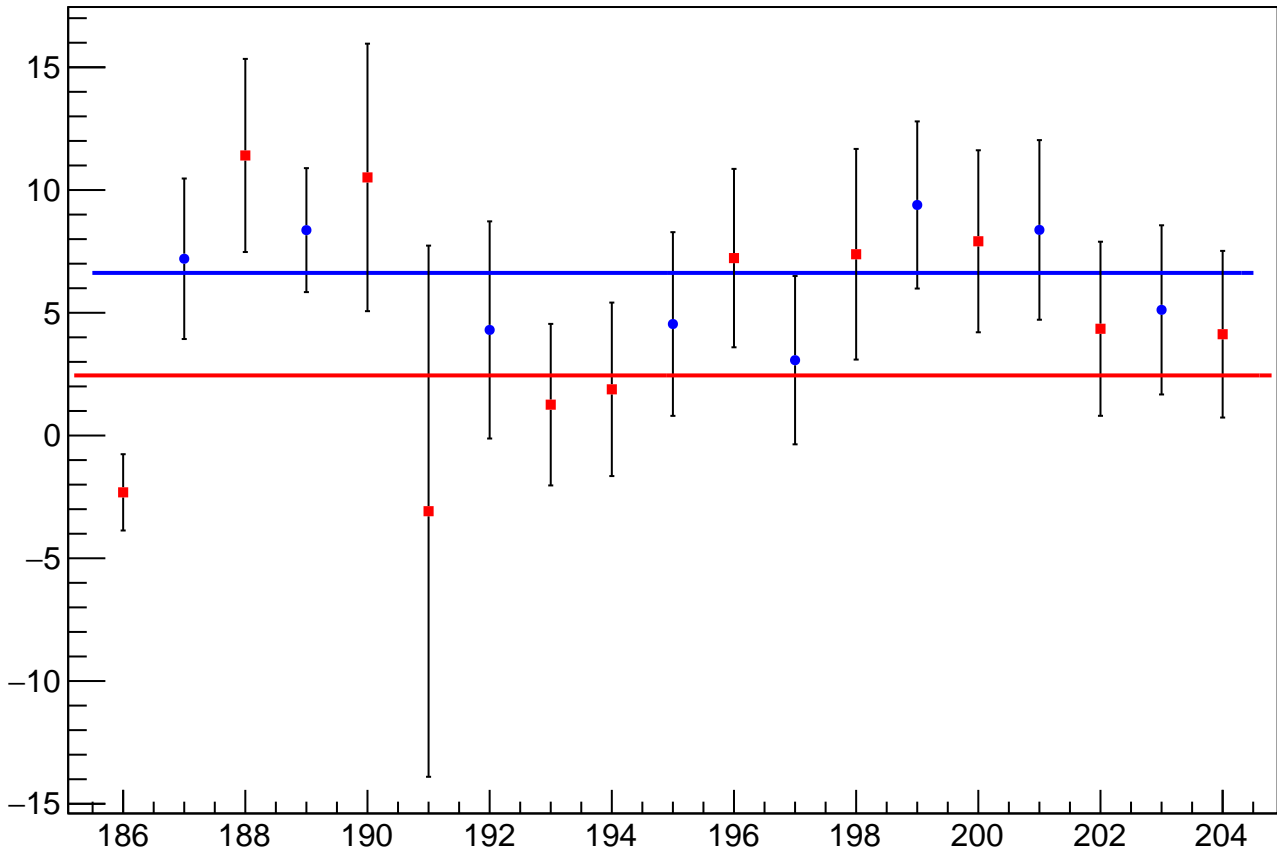
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-63.355 \pm 0.396$   $\chi^2/\text{NDF}: 1585.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 6.624+/-1.192  $\chi^2/\text{NDF}$ : 3.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.448+/-0.970  $\chi^2/\text{NDF}$ : 23.0/10

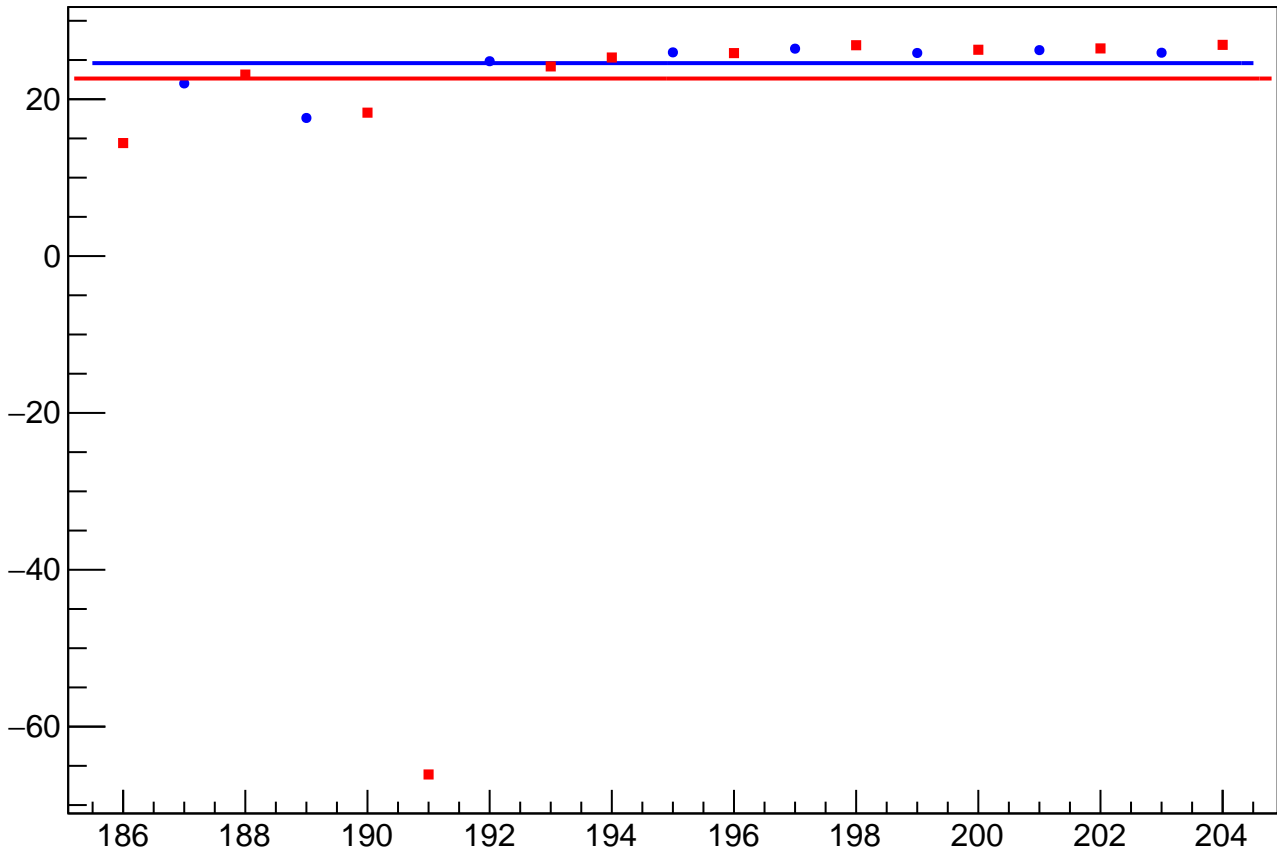
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.112+/-0.752  $\chi^2/\text{NDF}$ : 33.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 24.602+/-0.042  $\chi^2$ /NDF: 4915.9/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 22.639+/-0.038  $\chi^2$ /NDF: 101907.7/10

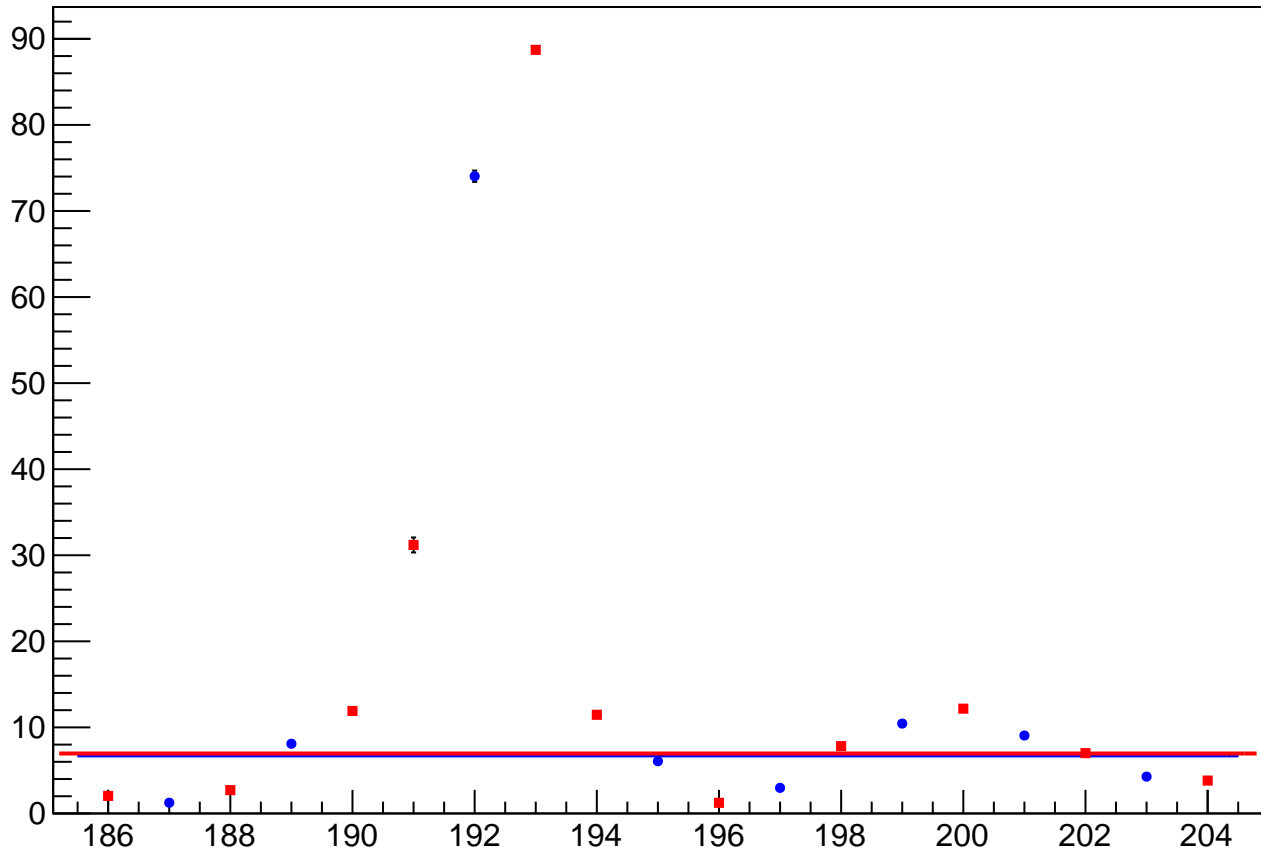
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 23.509+/-0.028  $\chi^2$ /NDF: 108034.3/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_ds3\_diff\_bpm1X\_slope vs Slug



Right In: 6.746+/-0.077  $\chi^2$ /NDF: 11920.4/7

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6.966+/-0.073  $\chi^2$ /NDF: 25232.9/10

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

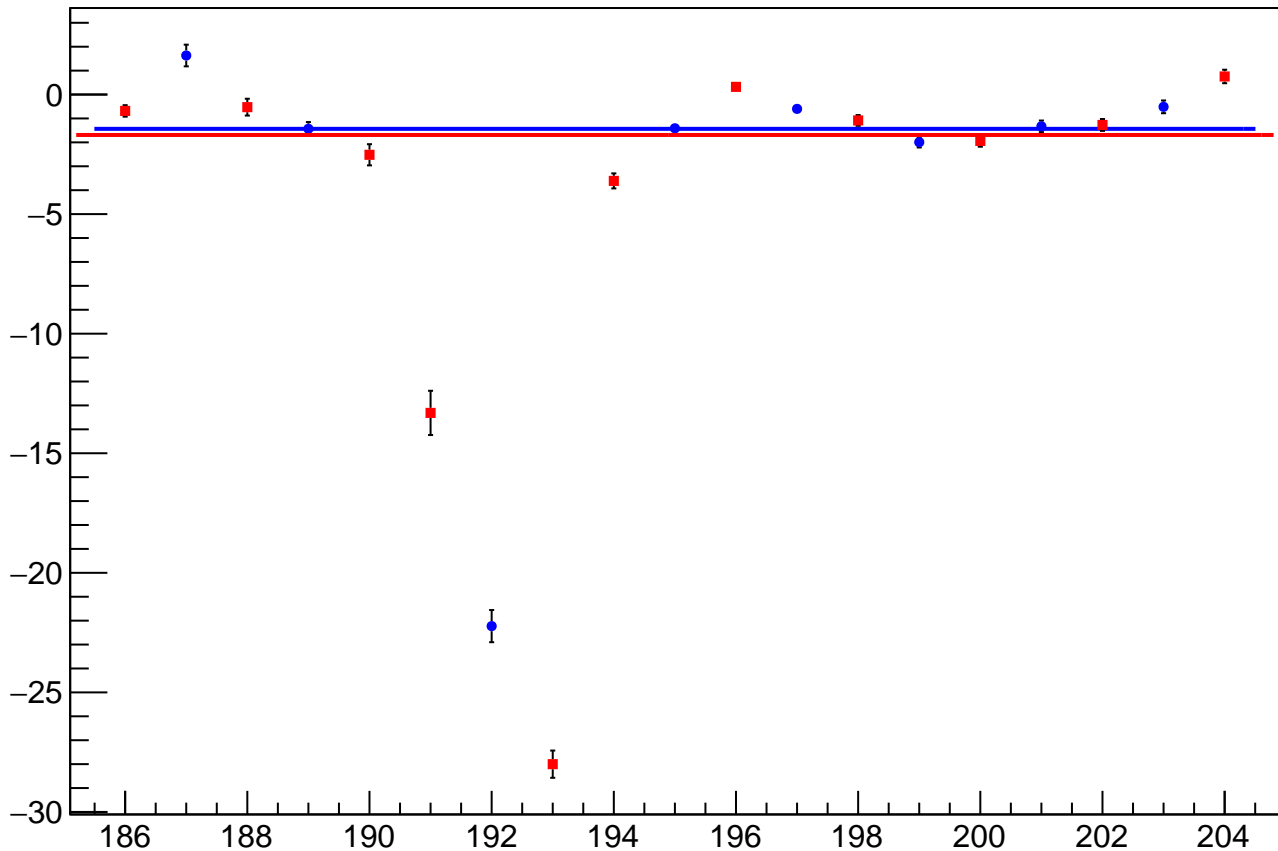
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 6.862+/-0.053  $\chi^2$ /NDF: 37157.7/18

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug



Right In:  $-1.434 \pm 0.089$   $\chi^2/\text{NDF}: 1041.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.691 \pm 0.086$   $\chi^2/\text{NDF}: 2540.8/10$

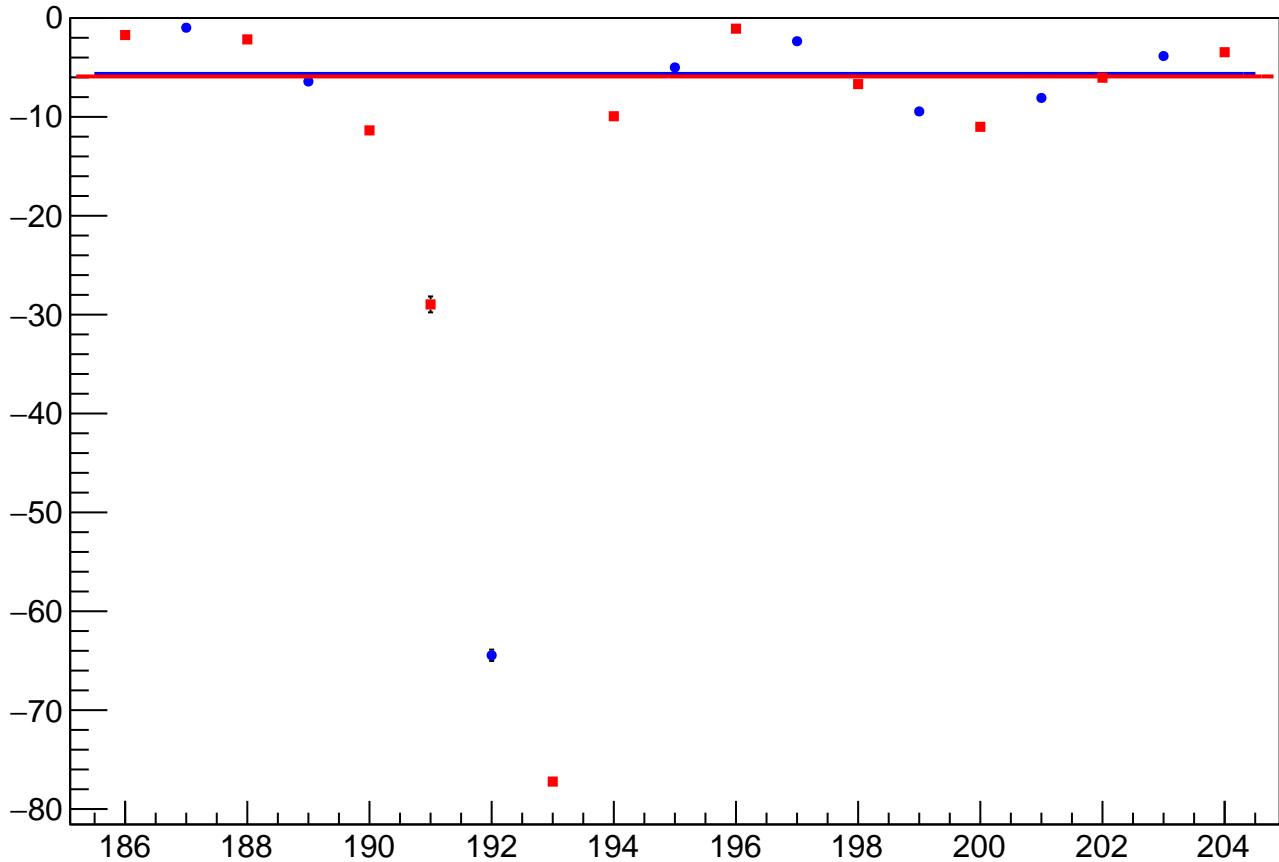
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.565 \pm 0.062$   $\chi^2/\text{NDF}: 3586.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug



Right In:  $-5.655 \pm 0.067$   $\chi^2/\text{NDF}: 12162.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.910 \pm 0.064$   $\chi^2/\text{NDF}: 25563.3/10$

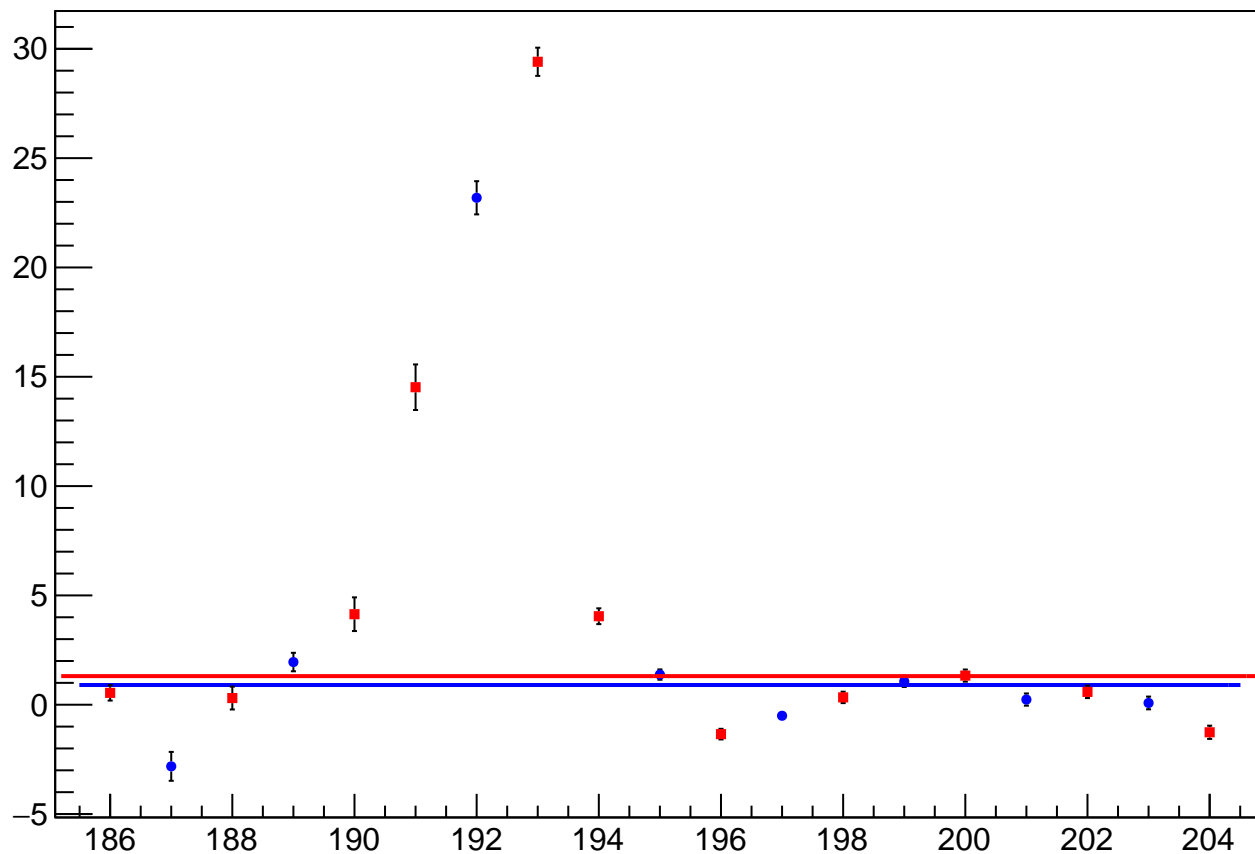
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.789 \pm 0.046$   $\chi^2/\text{NDF}: 37733.6/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug



Right In: 0.902 $\pm$ 0.107  $\chi^2$ /NDF: 956.9/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.308 $\pm$ 0.104  $\chi^2$ /NDF: 2347.9/10

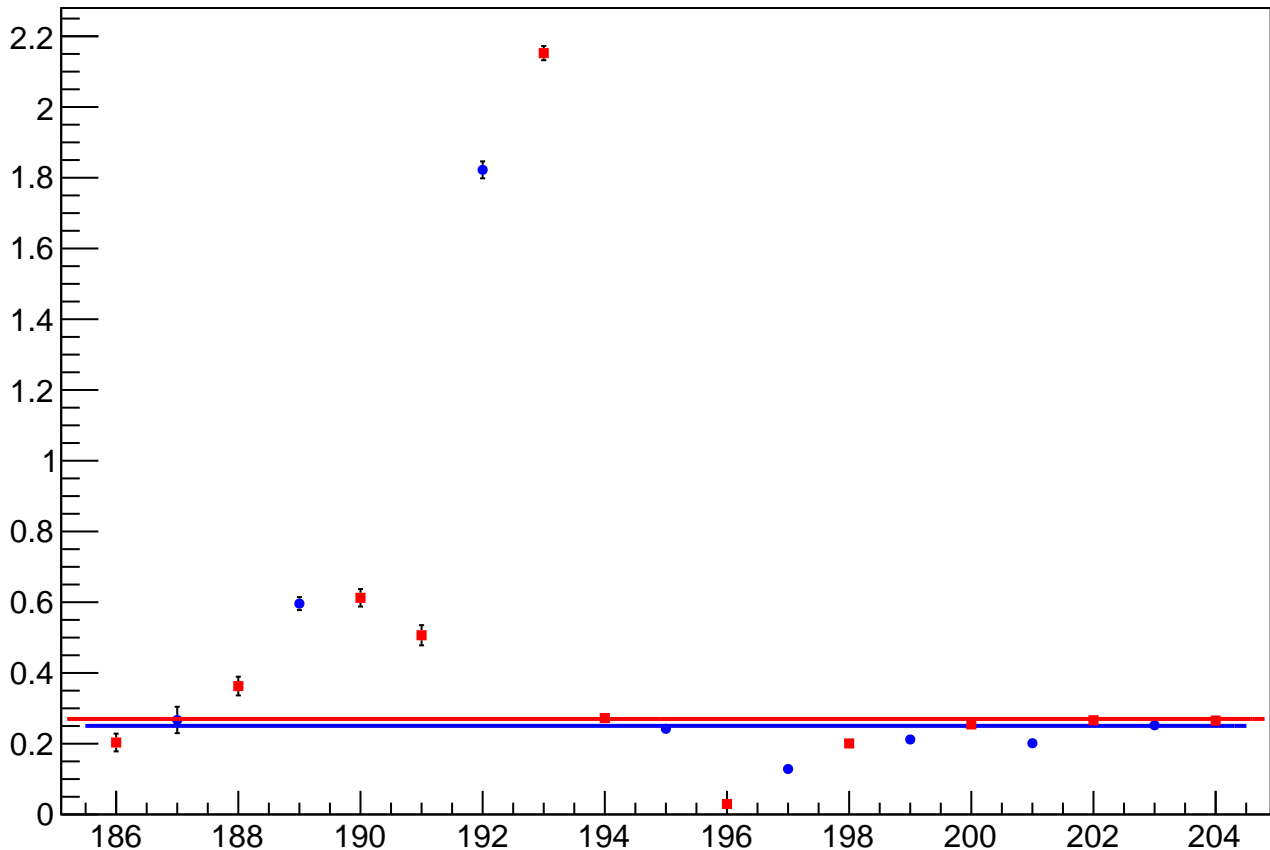
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.110 $\pm$ 0.074  $\chi^2$ /NDF: 3312.3/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug



Right In: 0.250+/-0.003  $\chi^2/\text{NDF}$ : 4982.5/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.270+/-0.003  $\chi^2/\text{NDF}$ : 10199.9/10

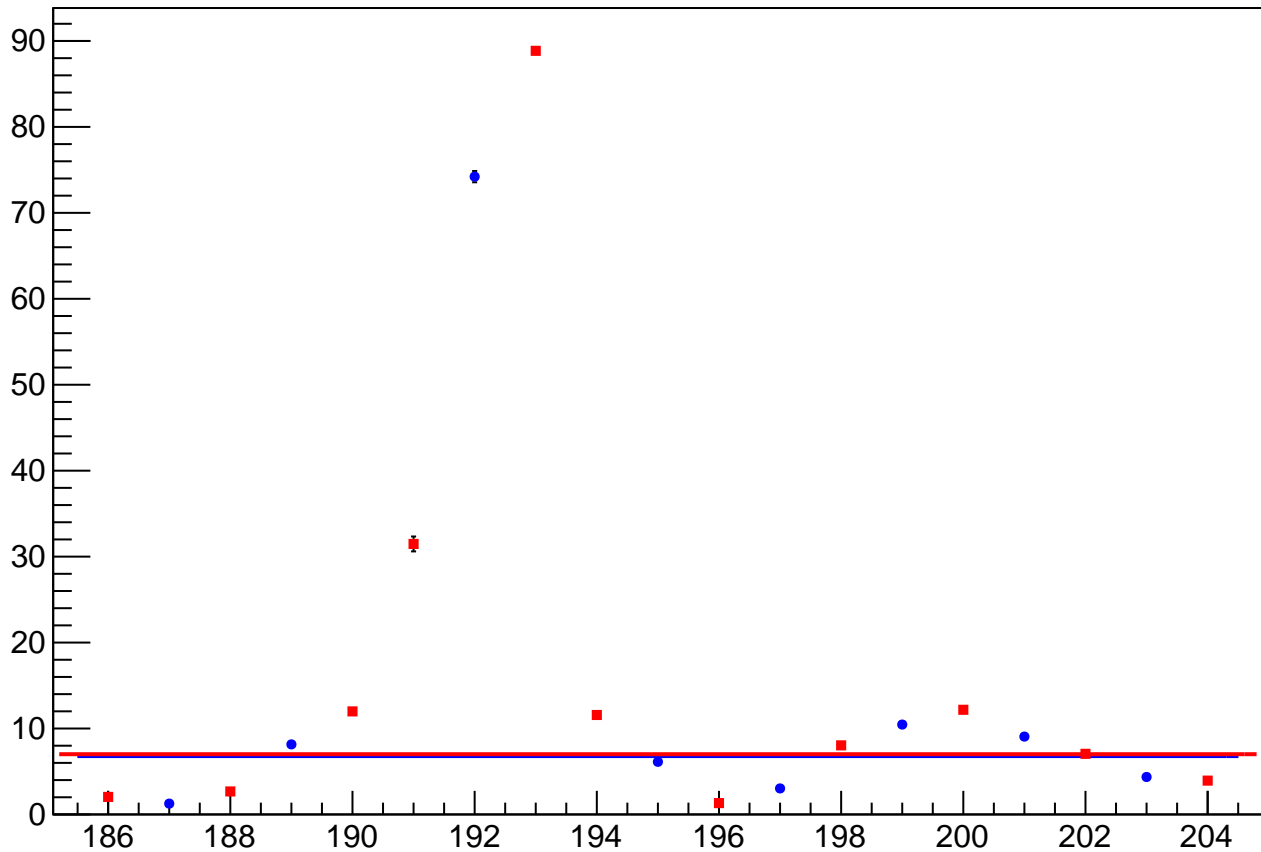
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.260+/-0.002  $\chi^2/\text{NDF}$ : 15199.0/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_ds\_diff\_bpm1X\_slope vs Slug



Right In: 6.792 $\pm$ 0.077  $\chi^2$ /NDF: 12042.5/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 7.011 $\pm$ 0.072  $\chi^2$ /NDF: 25544.4/10

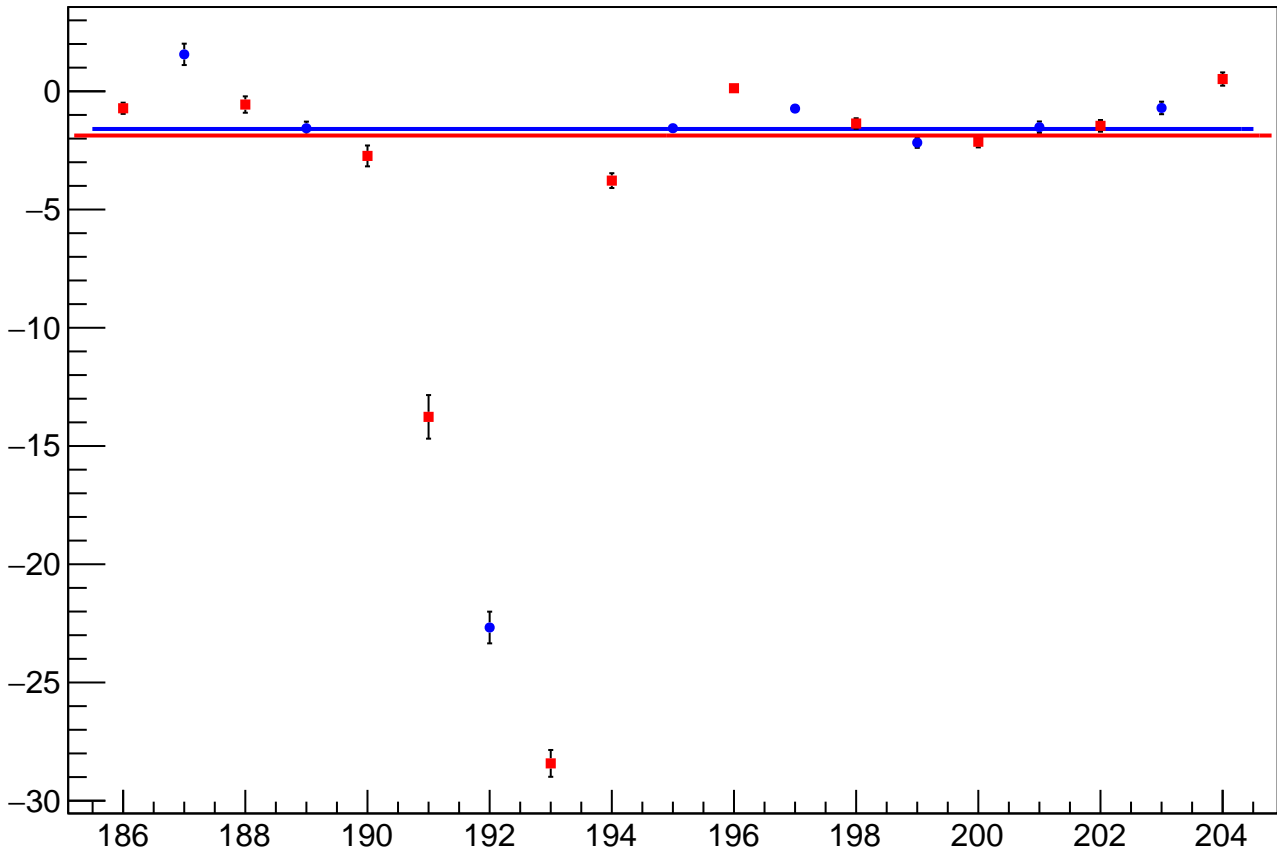
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.908 $\pm$ 0.053  $\chi^2$ /NDF: 37591.2/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug



Right In:  $-1.593 \pm 0.088$   $\chi^2/\text{NDF}: 1080.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.870 \pm 0.086$   $\chi^2/\text{NDF}: 2612.6/10$

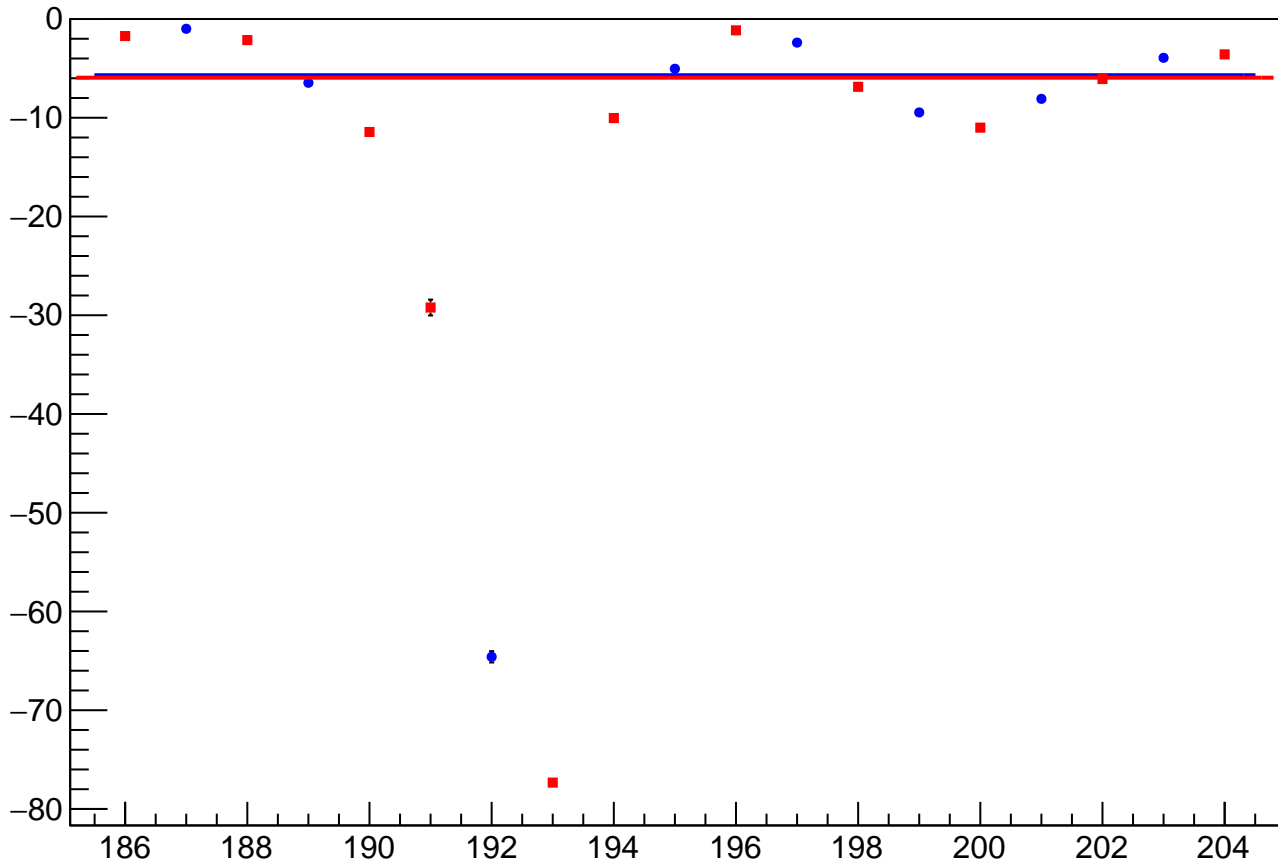
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.735 \pm 0.062$   $\chi^2/\text{NDF}: 3697.9/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug



Right In:  $-5.692 \pm 0.067$   $\chi^2/\text{NDF}: 12284.7/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.942 \pm 0.063$   $\chi^2/\text{NDF}: 25883.2/10$

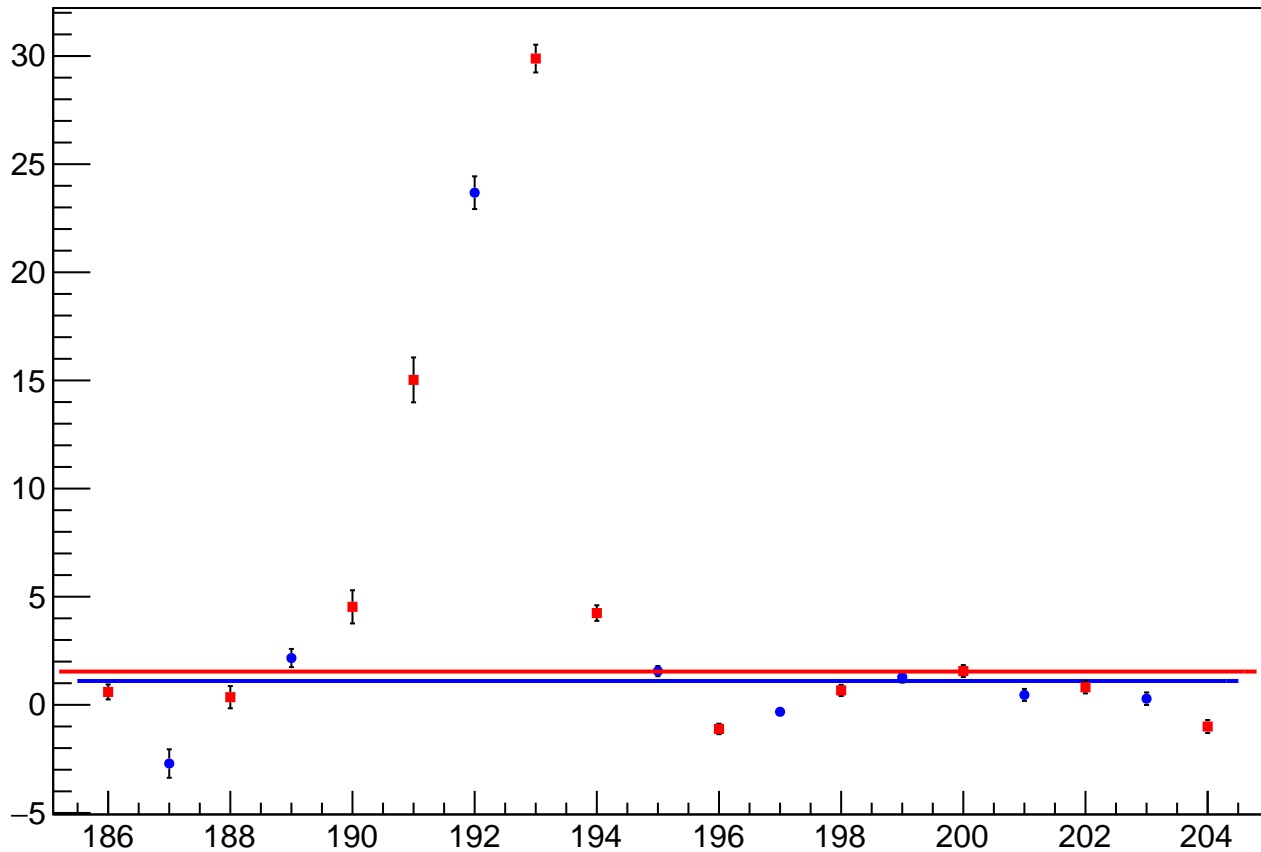
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.824 \pm 0.046$   $\chi^2/\text{NDF}: 38175.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug



Right In: 1.103+/-0.106  $\chi^2/\text{NDF}$ : 989.4/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.540+/-0.104  $\chi^2/\text{NDF}$ : 2409.0/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

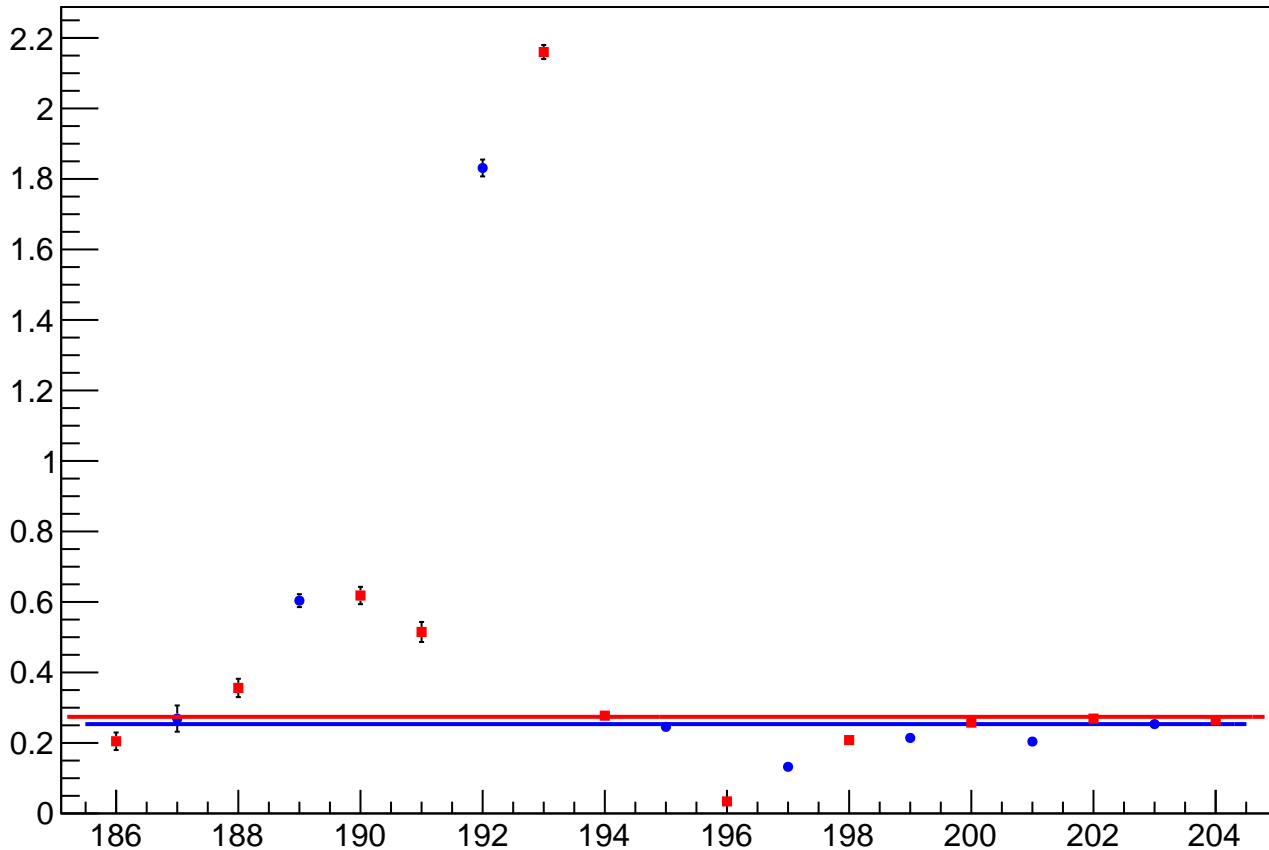
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.327+/-0.074  $\chi^2/\text{NDF}$ : 3407.0/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug



Right In: 0.253+/-0.003  $\chi^2/\text{NDF}$ : 5061.3/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.274+/-0.003  $\chi^2/\text{NDF}$ : 10318.9/10

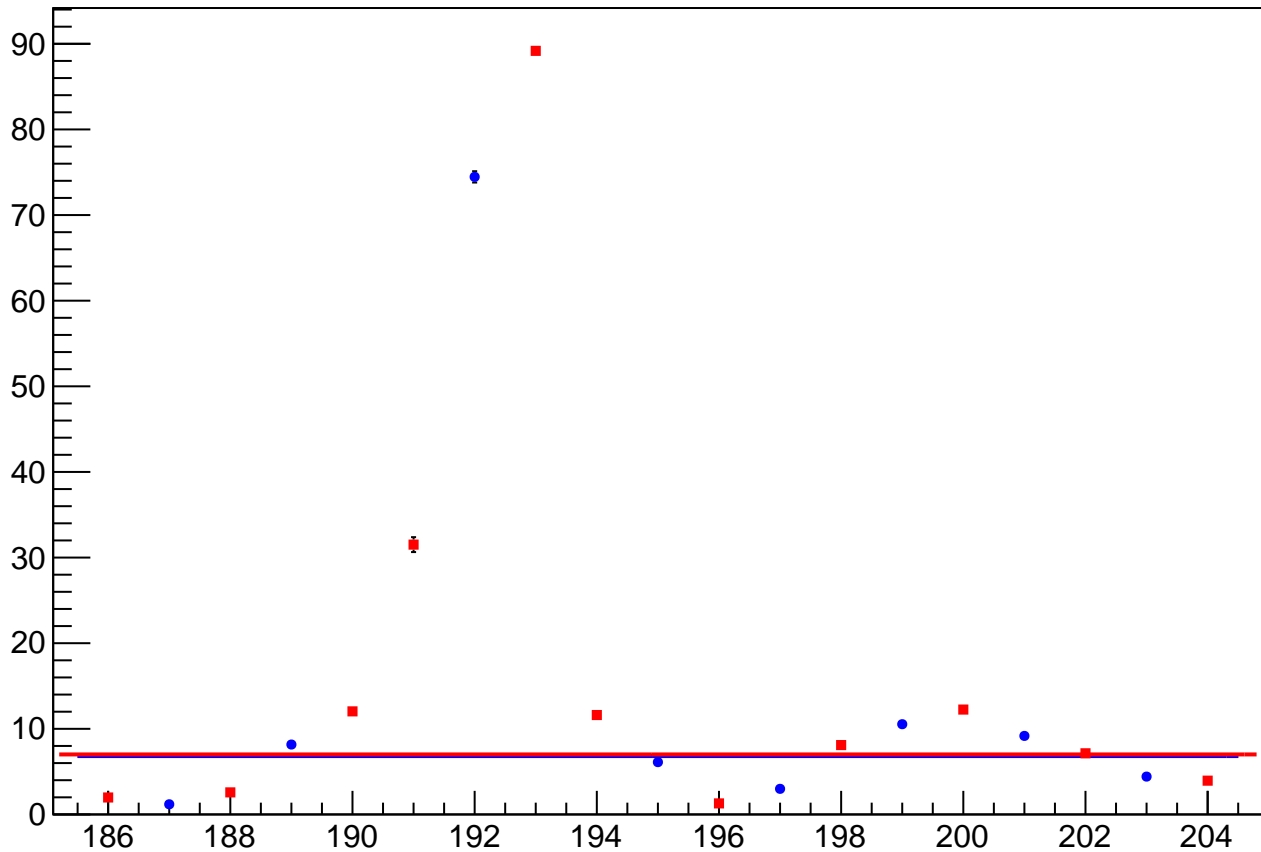
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.264+/-0.002  $\chi^2/\text{NDF}$ : 15398.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm1X\_slope vs Slug



Right In: 6.818+/-0.077  $\chi^2/\text{NDF}$ : 12059.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.009+/-0.073  $\chi^2/\text{NDF}$ : 25562.4/10

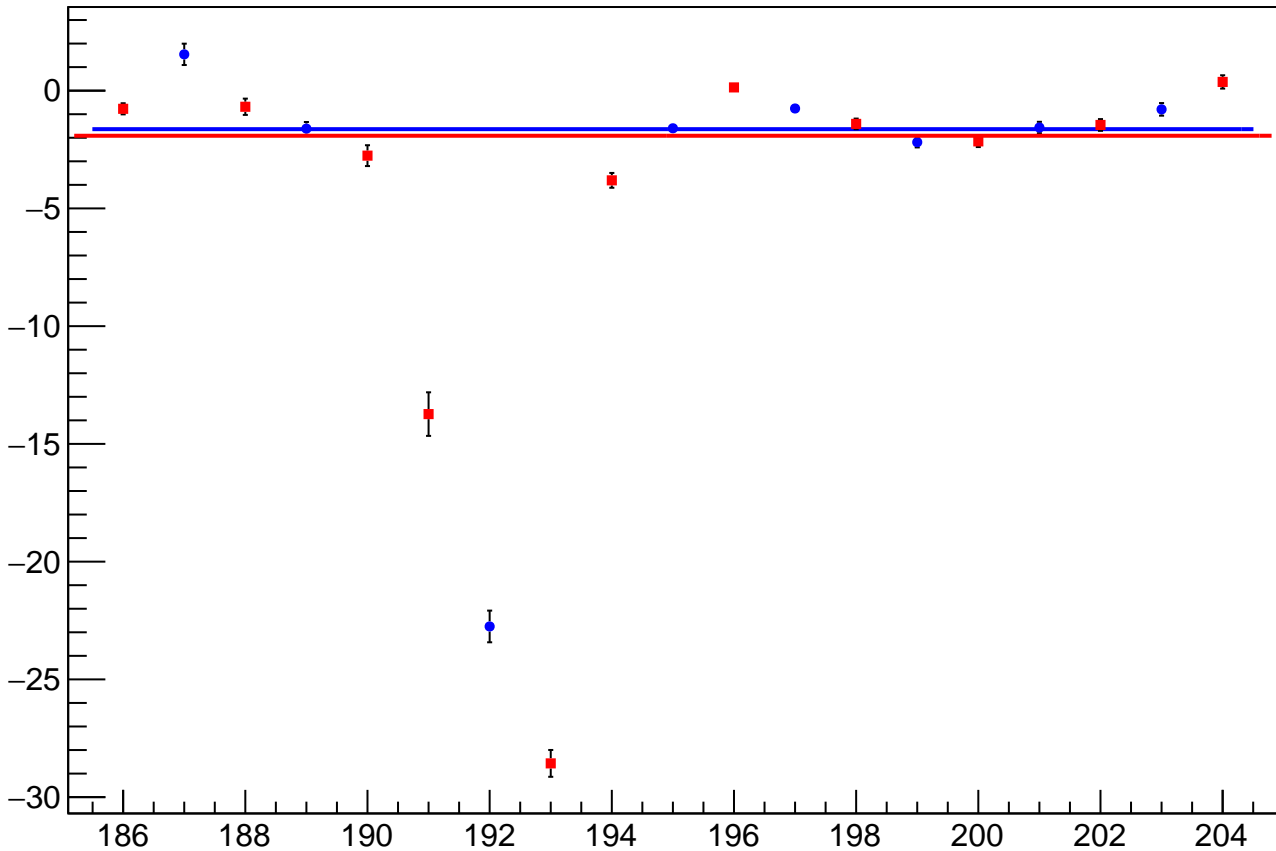
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.919+/-0.053  $\chi^2/\text{NDF}$ : 37625.2/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug



Right In:  $-1.635 \pm 0.089$   $\chi^2/\text{NDF}: 1075.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.914 \pm 0.086$   $\chi^2/\text{NDF}: 2599.8/10$

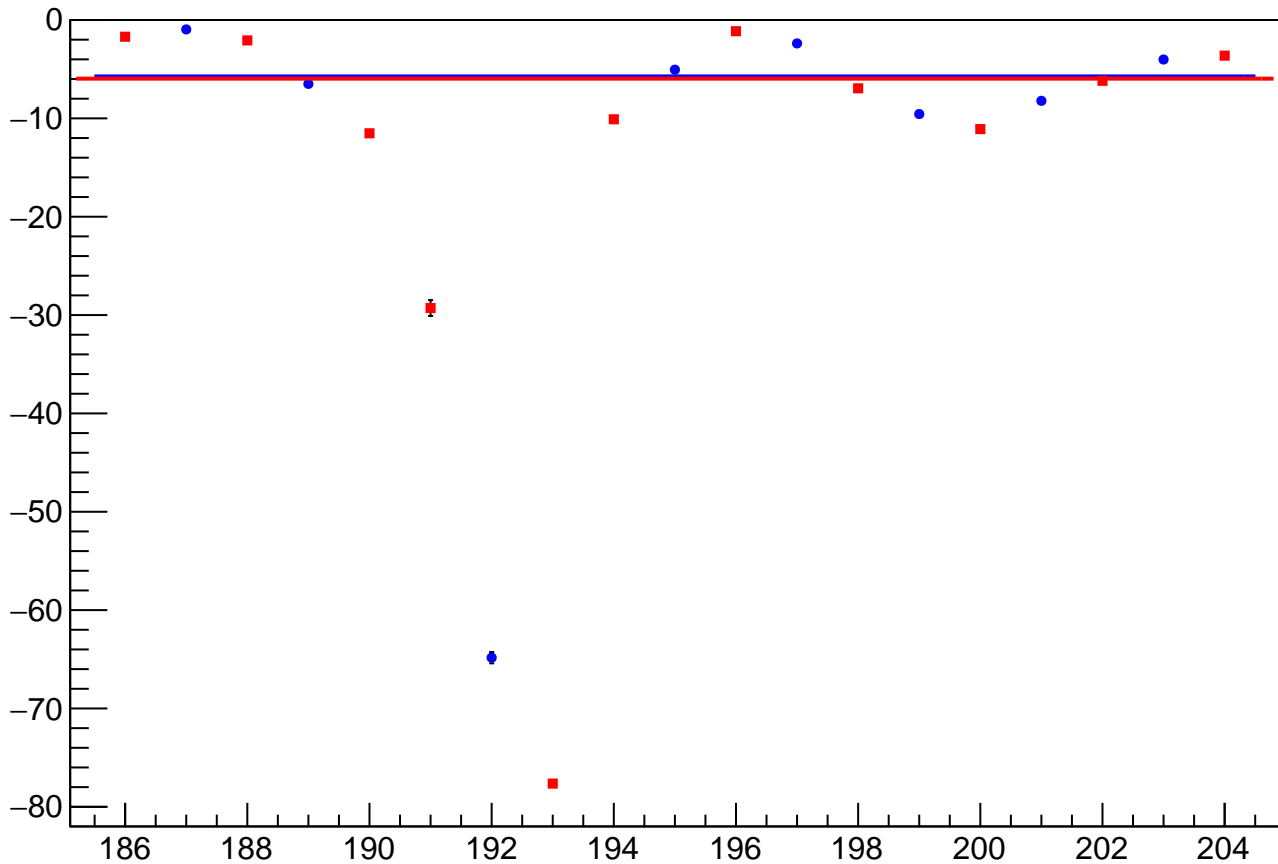
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.778 \pm 0.062$   $\chi^2/\text{NDF}: 3680.4/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug



Right In:  $-5.735 \pm 0.067$   $\chi^2/\text{NDF}: 12311.3/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.960 \pm 0.063$   $\chi^2/\text{NDF}: 25913.5/10$

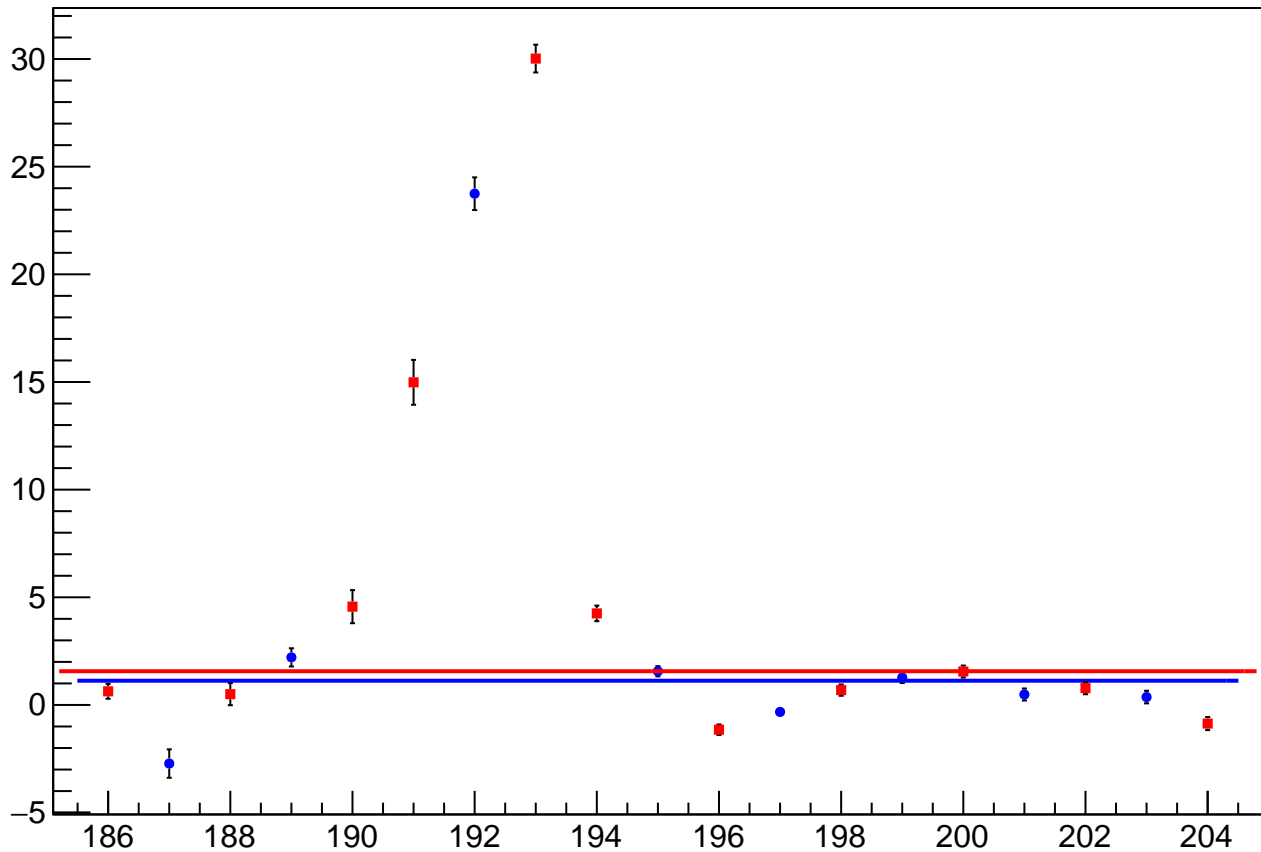
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.854 \pm 0.046$   $\chi^2/\text{NDF}: 38230.7/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug



Right In: 1.126 $\pm$ 0.107  $\chi^2$ /NDF: 985.8/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.567 $\pm$ 0.104  $\chi^2$ /NDF: 2398.9/10

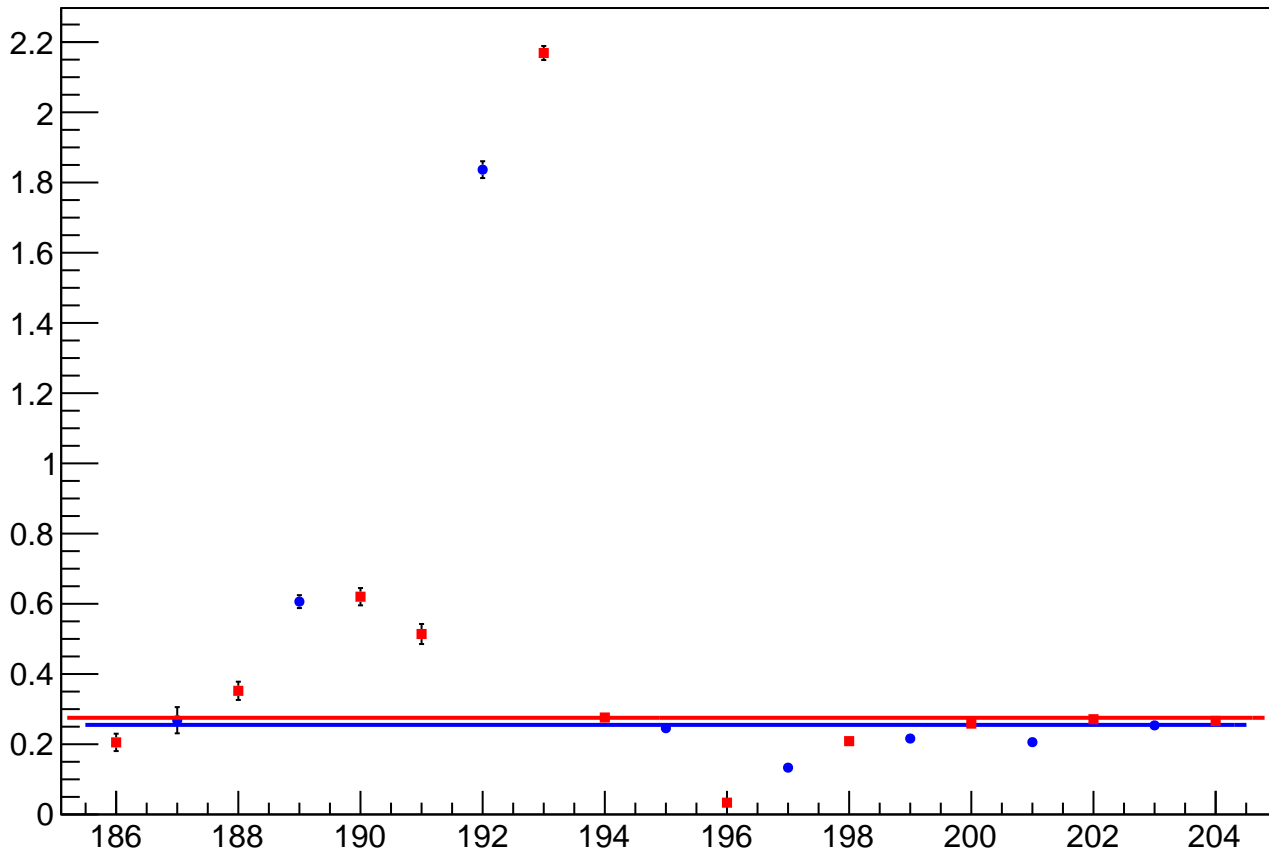
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.352 $\pm$ 0.075  $\chi^2$ /NDF: 3393.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug



Right In: 0.255+/-0.003  $\chi^2/\text{NDF}$ : 5046.7/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.275+/-0.003  $\chi^2/\text{NDF}$ : 10305.6/10

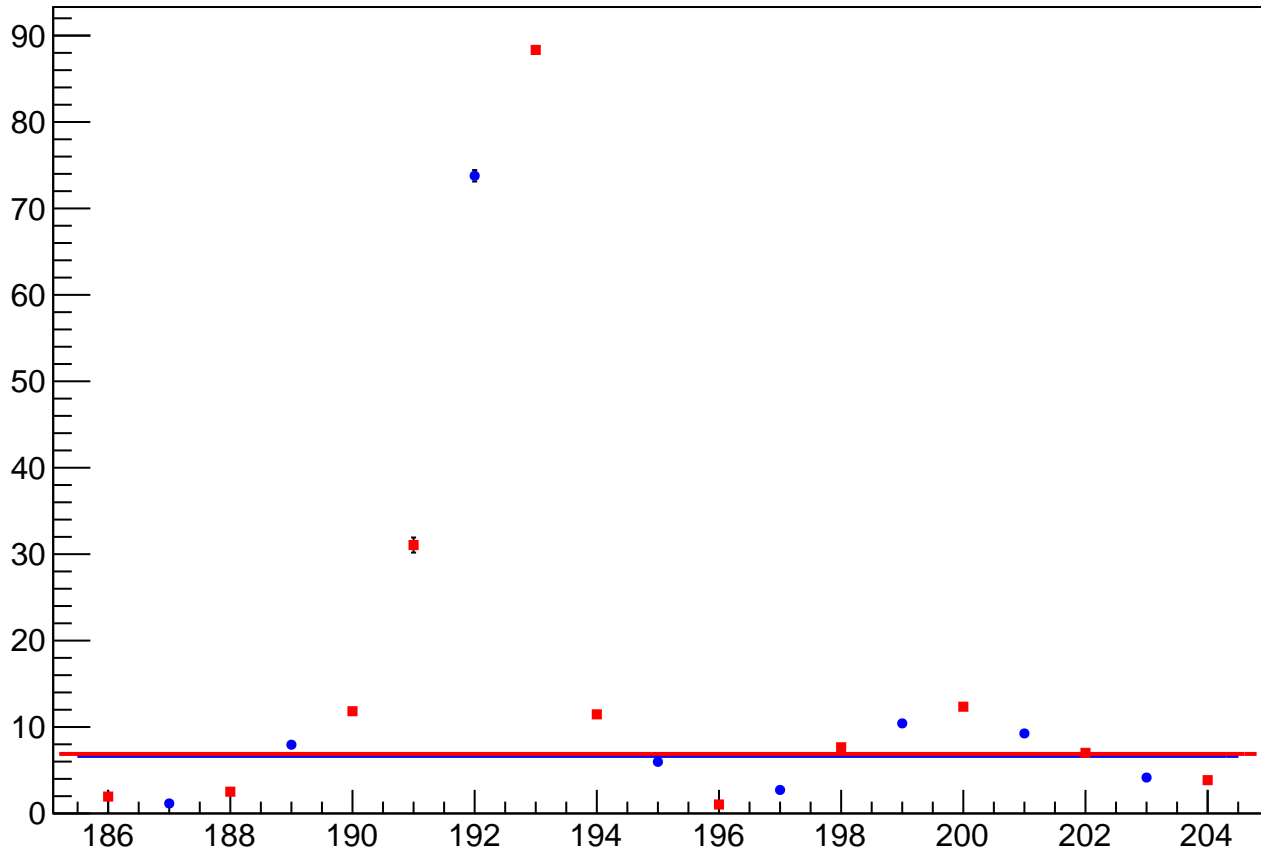
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.265+/-0.002  $\chi^2/\text{NDF}$ : 15369.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm1X\_slope vs Slug



Right In: 6.660+/-0.078  $\chi^2/\text{NDF}$ : 11878.9/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.887+/-0.073  $\chi^2/\text{NDF}$ : 25107.1/10

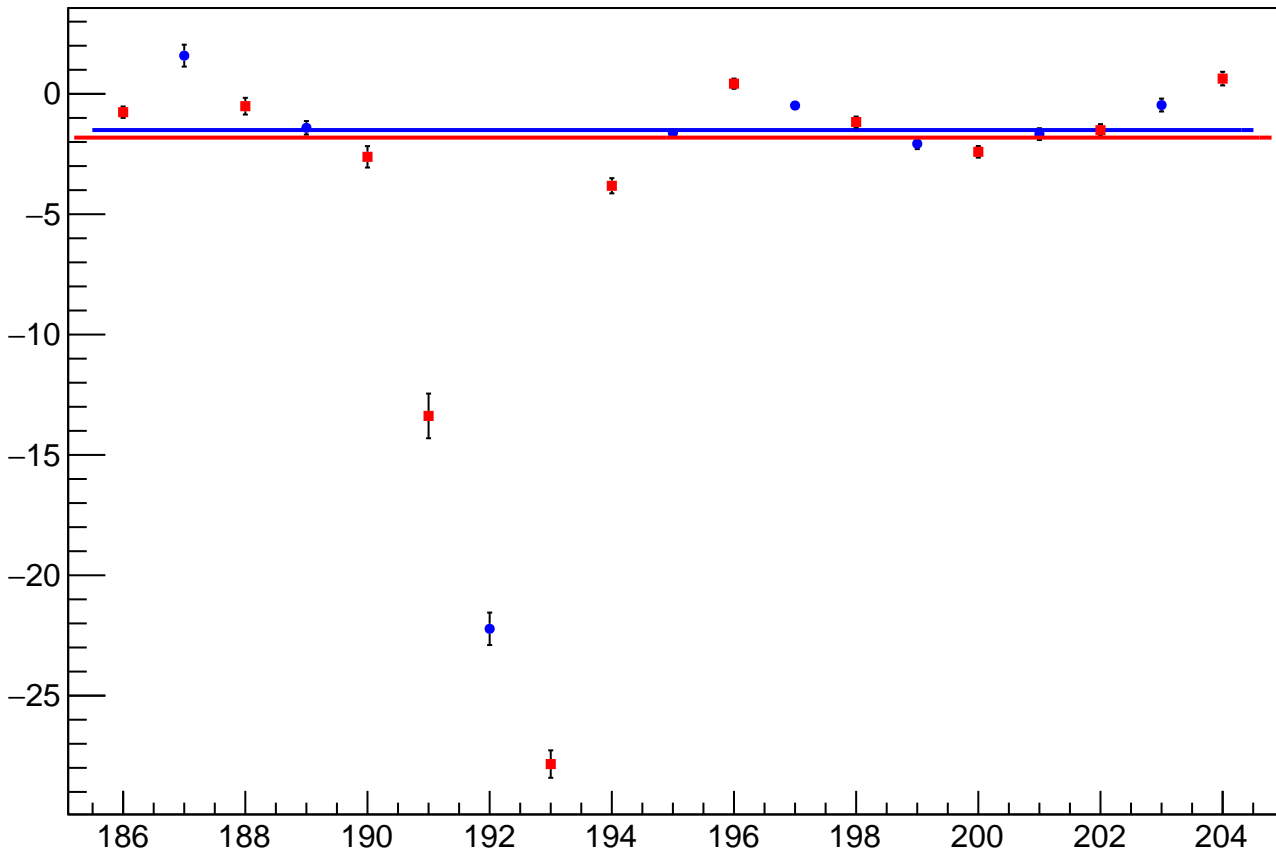
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.780+/-0.053  $\chi^2/\text{NDF}$ : 36990.6/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug



Right In:  $-1.503 \pm 0.089$   $\chi^2/\text{NDF}: 1045.0/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.817 \pm 0.087$   $\chi^2/\text{NDF}: 2518.8/10$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

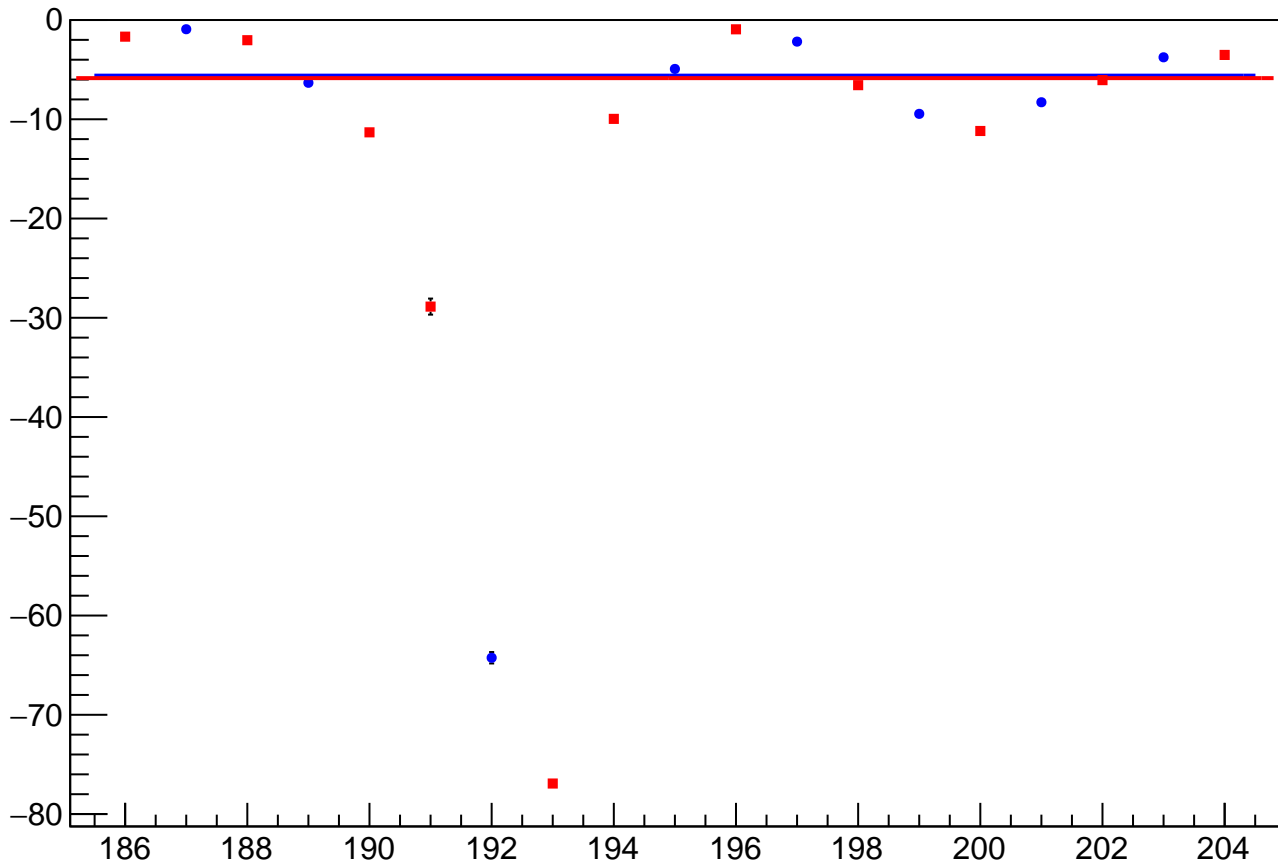
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.665 \pm 0.062$   $\chi^2/\text{NDF}: 3570.1/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug



Right In:  $-5.606 \pm 0.068$   $\chi^2/\text{NDF}: 12121.1/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.856 \pm 0.064$   $\chi^2/\text{NDF}: 25452.7/10$

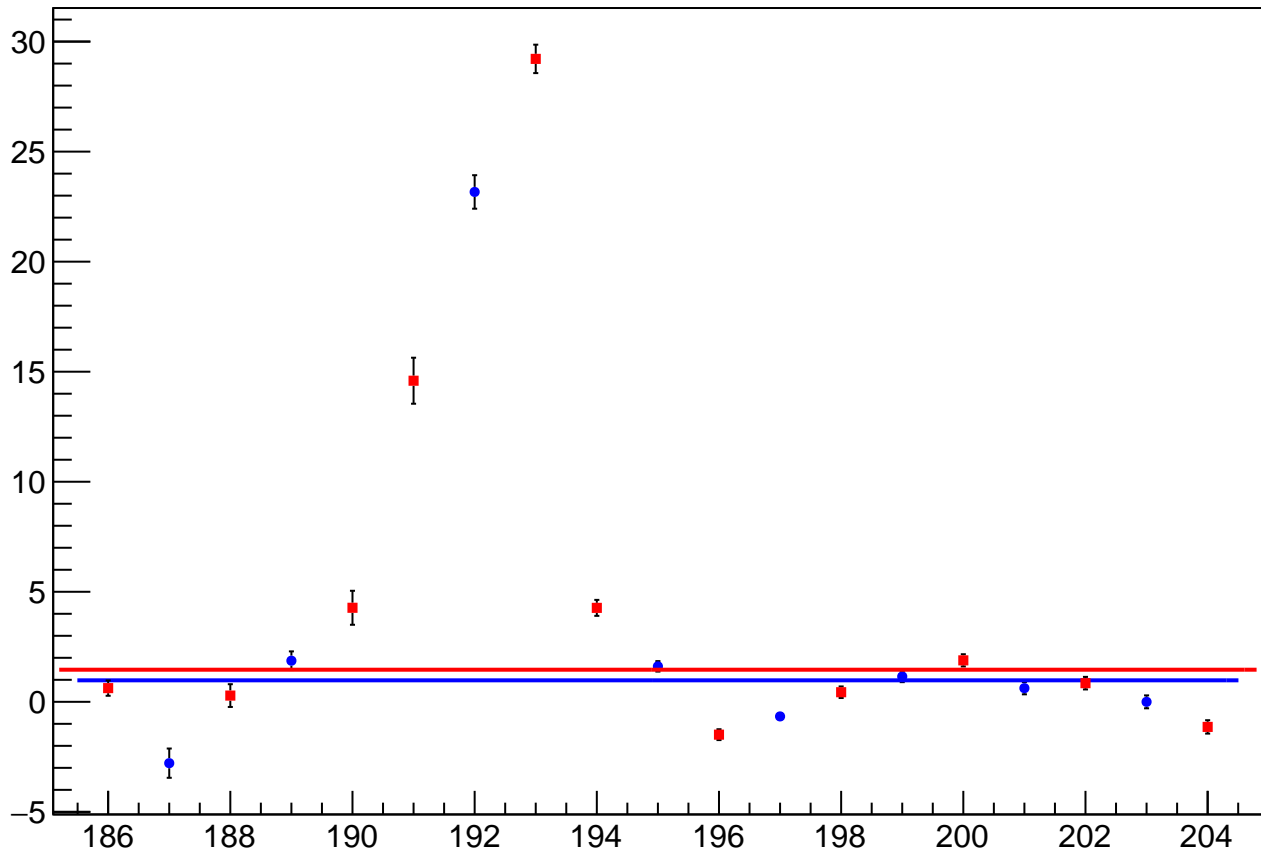
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.738 \pm 0.046$   $\chi^2/\text{NDF}: 37581.0/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug



Right In: 0.977 $\pm$ 0.107  $\chi^2$ /NDF: 959.7/7

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.459 $\pm$ 0.105  $\chi^2$ /NDF: 2326.3/10

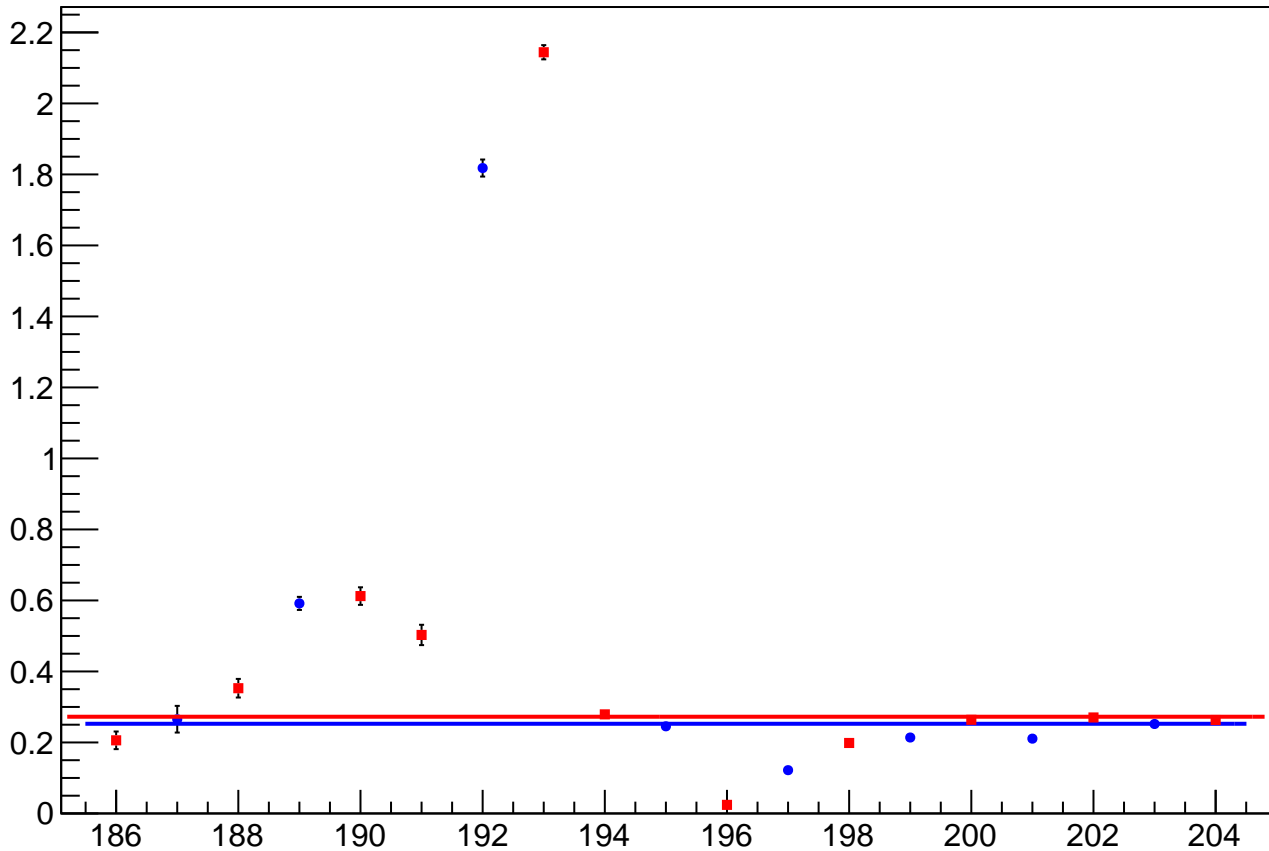
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.224 $\pm$ 0.075  $\chi^2$ /NDF: 3296.4/18

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug



Right In: 0.253+/-0.003  $\chi^2/\text{NDF}$ : 4931.2/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.272+/-0.003  $\chi^2/\text{NDF}$ : 10112.7/10

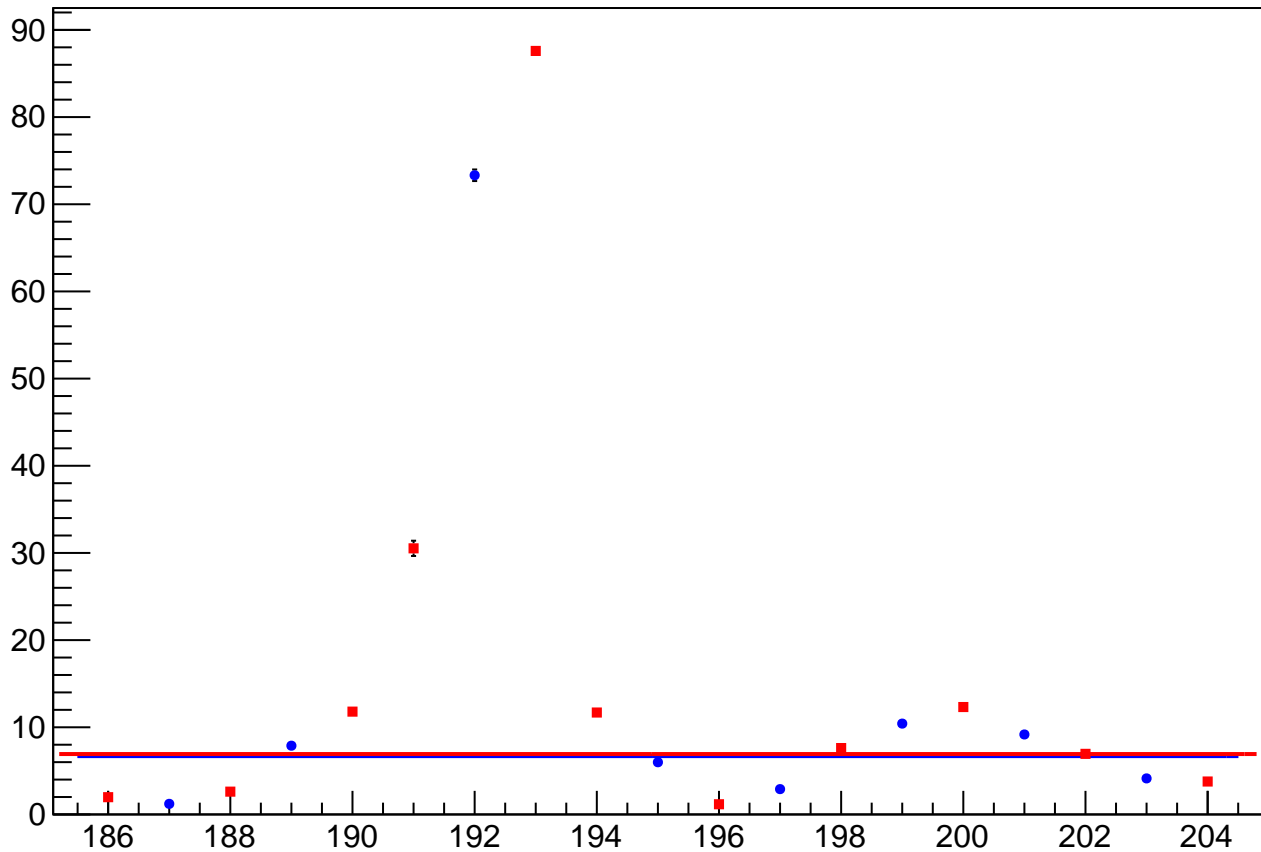
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.263+/-0.002  $\chi^2/\text{NDF}$ : 15060.7/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm1X\_slope vs Slug



Right In: 6.693+/-0.079  $\chi^2/\text{NDF}$ : 11537.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.931+/-0.074  $\chi^2/\text{NDF}$ : 24479.0/10

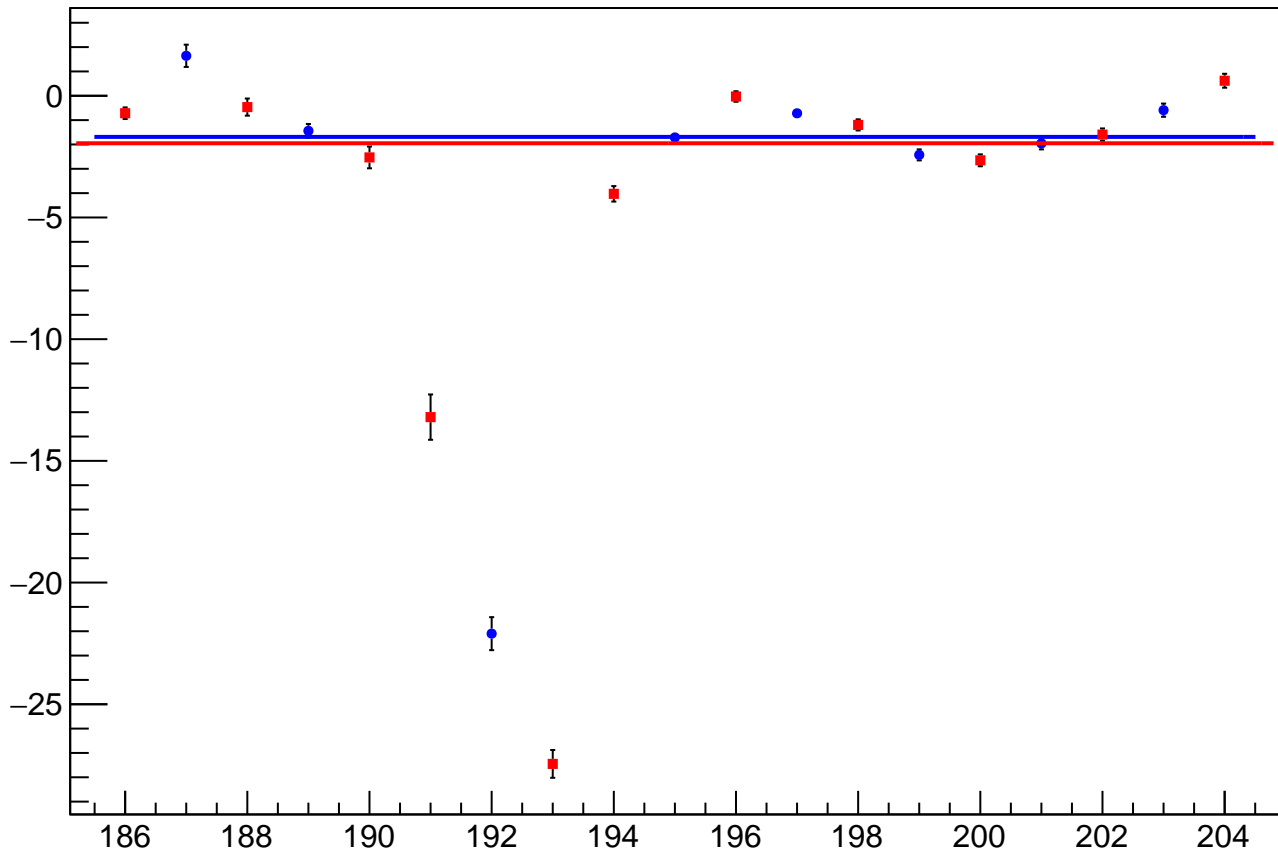
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.819+/-0.054  $\chi^2/\text{NDF}$ : 36020.9/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug



Right In:  $-1.689 \pm 0.090$   $\chi^2/\text{NDF}: 1017.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.951 \pm 0.088$   $\chi^2/\text{NDF}: 2407.9/10$

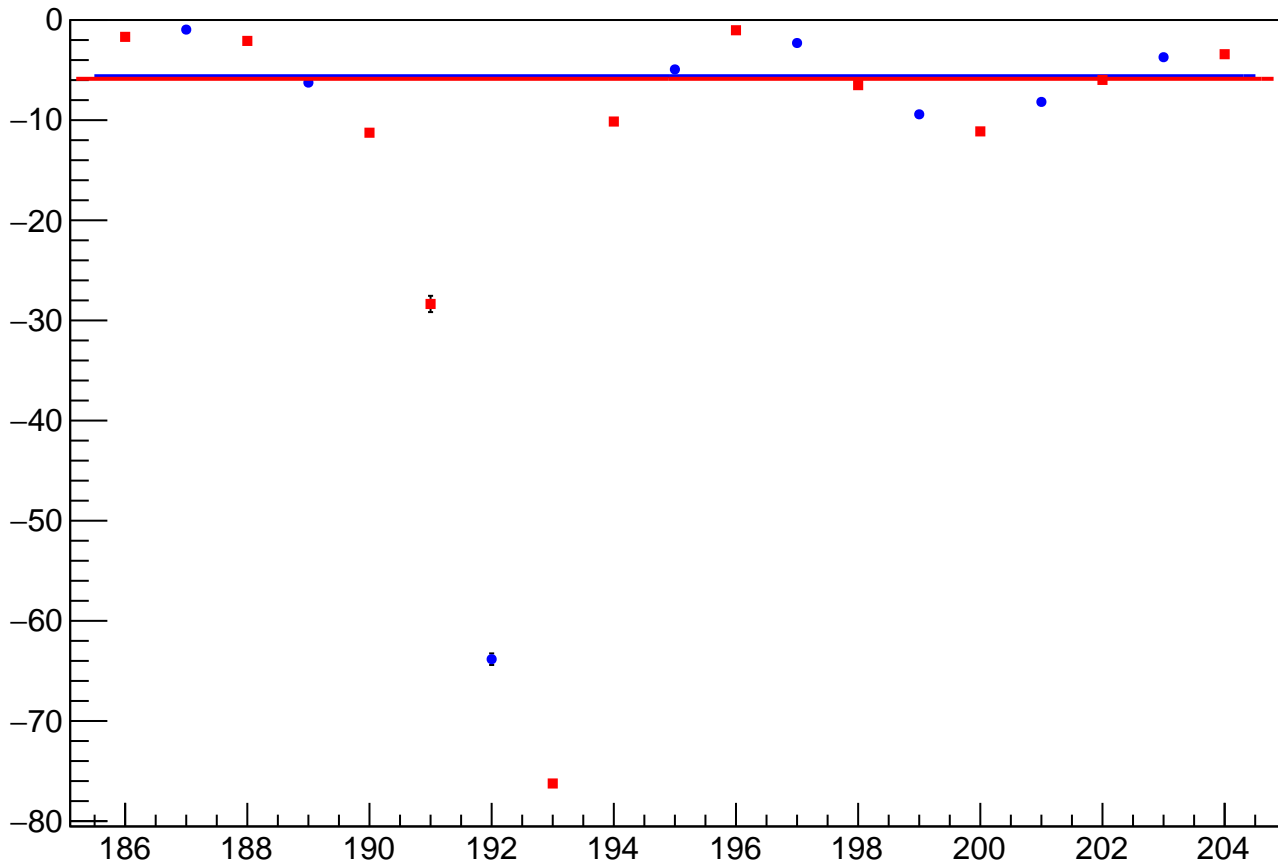
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.824 \pm 0.063$   $\chi^2/\text{NDF}: 3429.8/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug



Right In:  $-5.612 \pm 0.068$   $\chi^2/\text{NDF}: 11762.5/7$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.871 \pm 0.065$   $\chi^2/\text{NDF}: 24806.2/10$

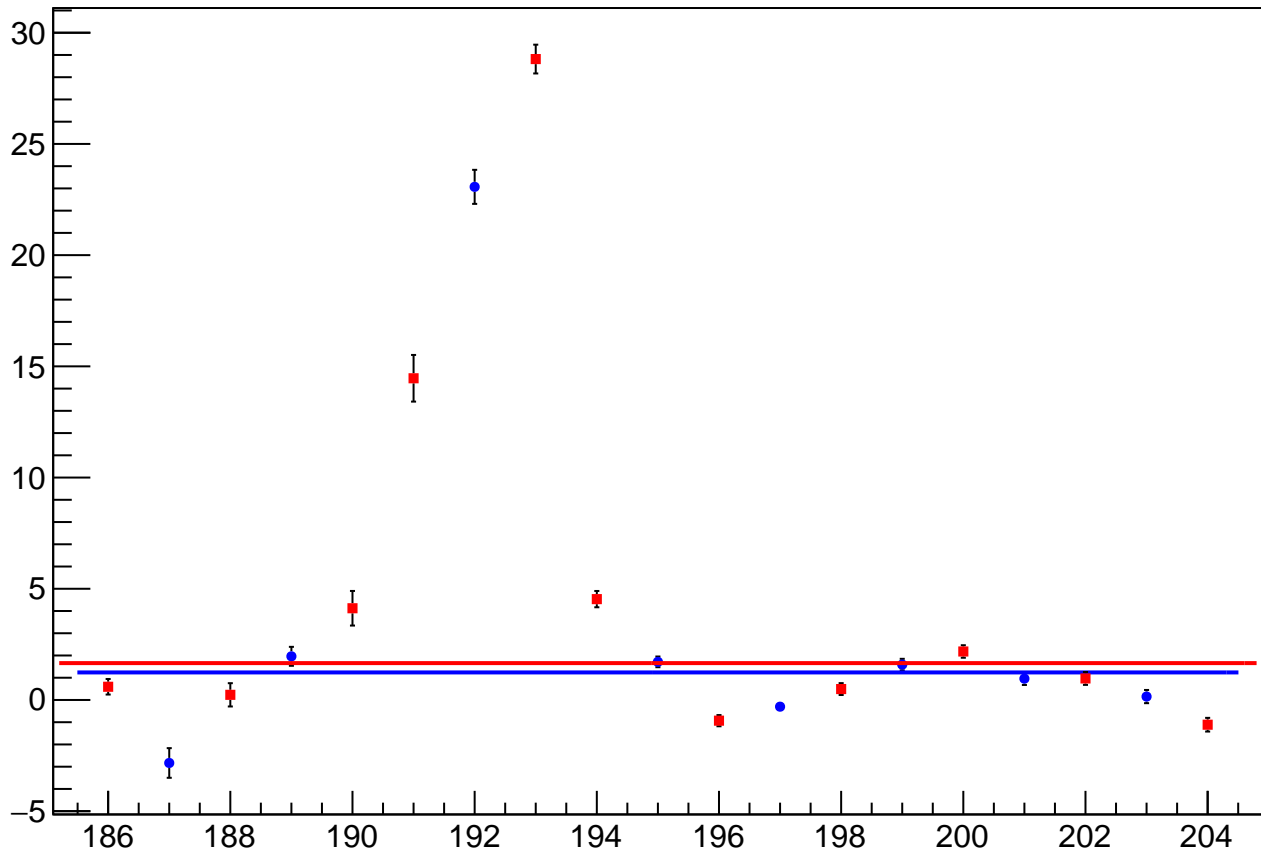
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.749 \pm 0.047$   $\chi^2/\text{NDF}: 36576.3/18$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug



Right In: 1.238+/-0.109  $\chi^2/\text{NDF}$ : 920.0/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.657+/-0.106  $\chi^2/\text{NDF}$ : 2213.4/10

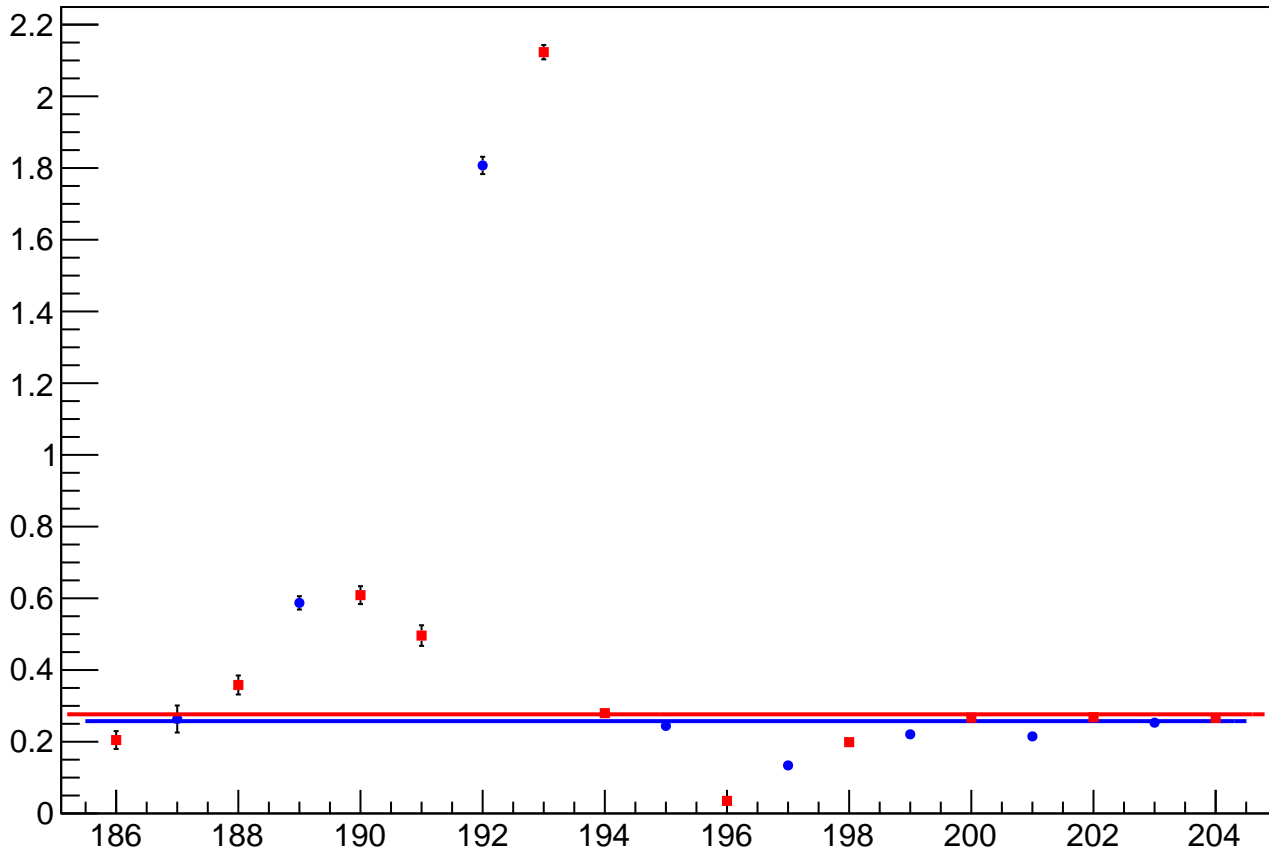
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.453+/-0.076  $\chi^2/\text{NDF}$ : 3141.1/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug



Right In: 0.257+/-0.003  $\chi^2/\text{NDF}$ : 4744.6/7

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.277+/-0.003  $\chi^2/\text{NDF}$ : 9745.6/10

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.267+/-0.002  $\chi^2/\text{NDF}$ : 14505.4/18

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0