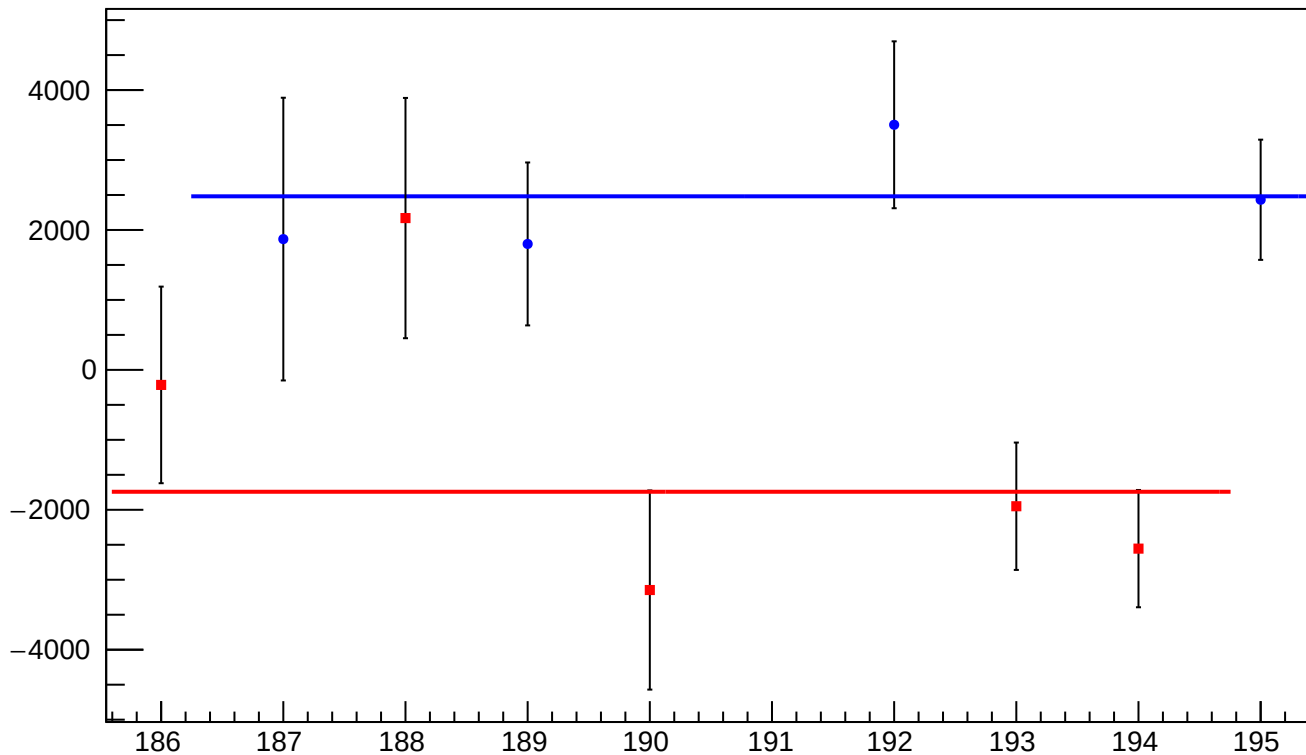


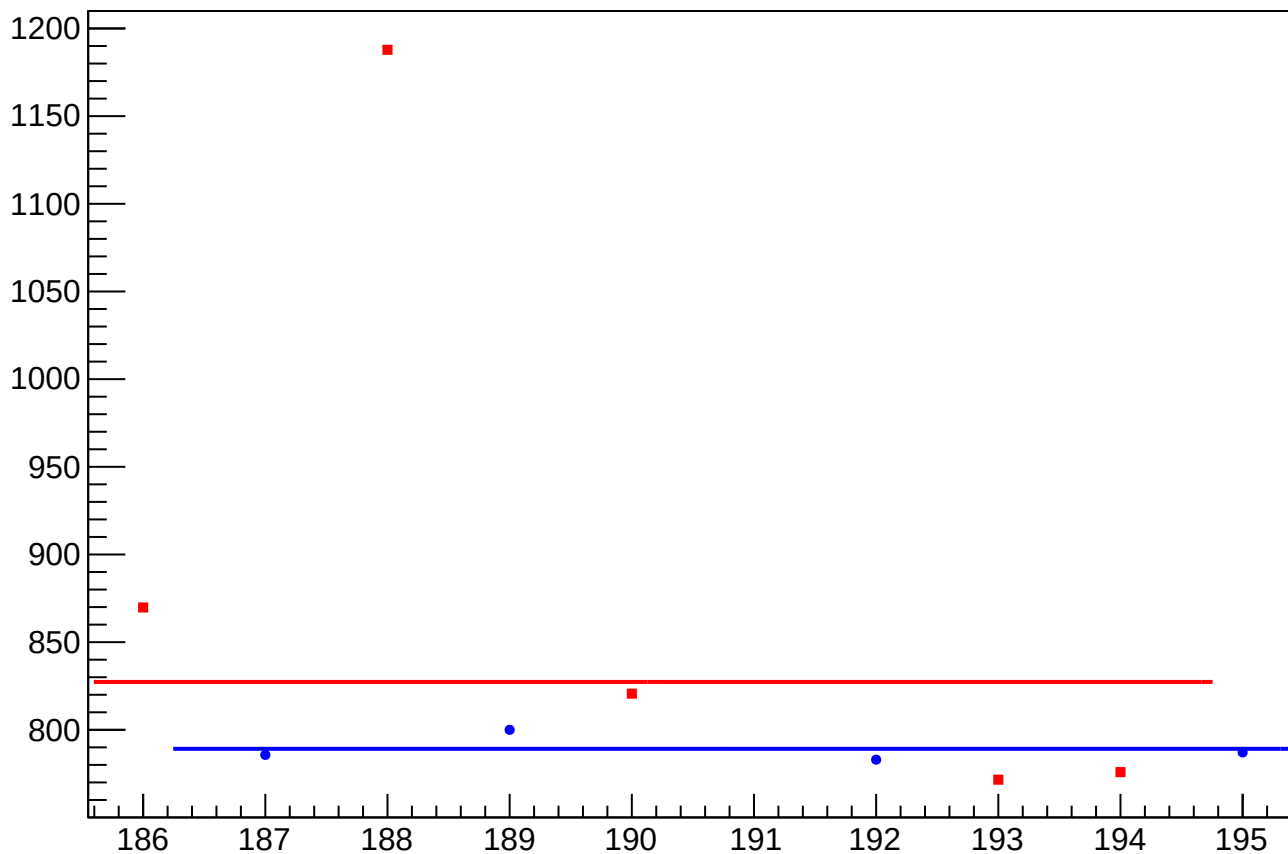
# dit\_asym\_us\_avg\_mean vs Slug



Right In: 2481.027 $\pm$ 573.542  $\chi^2$ /NDF: 1.2/3  
Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
Right Out: -1742.196 $\pm$ 501.956  $\chi^2$ /NDF: 8.3/4  
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: 89.555 $\pm$ 377.725  $\chi^2$ /NDF: 40.2/8  
- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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



Right In: 789.172 $\pm$ 0.406  $\chi^2$ /NDF: 243.9/3

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

Right Out: 827.312 $\pm$ 0.355  $\chi^2$ /NDF: 105030.8/4

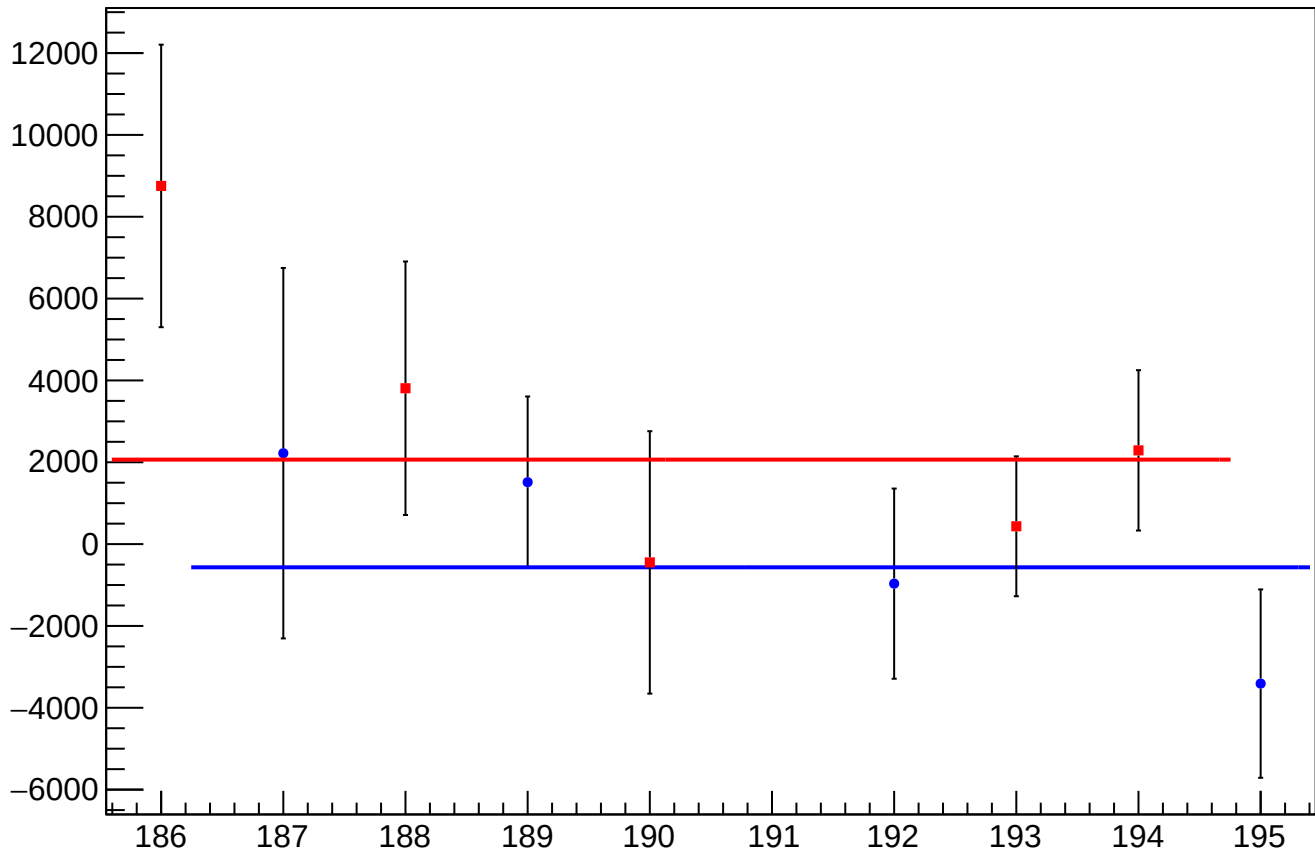
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 810.769 $\pm$ 0.267  $\chi^2$ /NDF: 110283.0/8

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

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



Right In: -567.054 $\pm$ 1239.753  $\chi^2$ /NDF: 2.9/3

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

Right Out: 2064.750 $\pm$ 1061.169  $\chi^2$ /NDF: 5.6/4

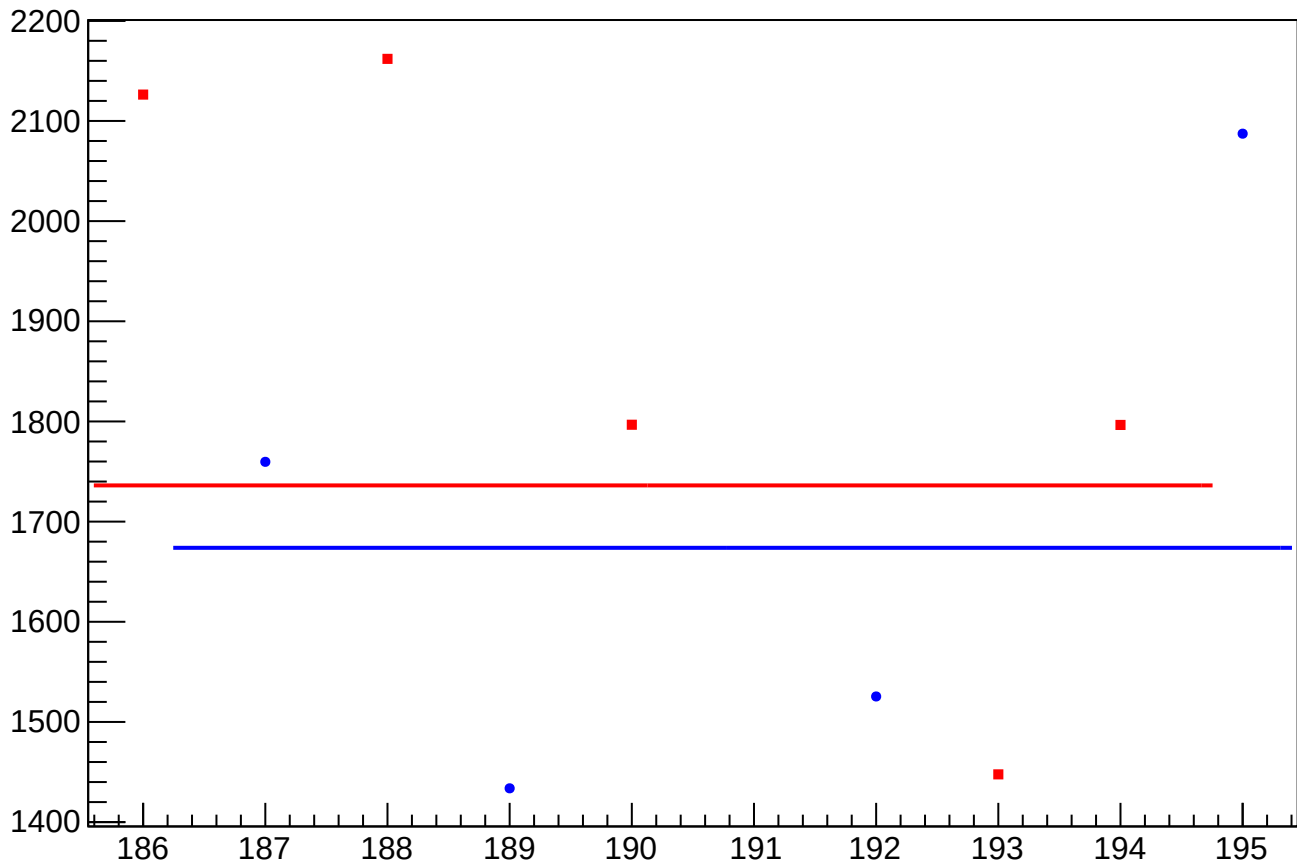
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 951.890 $\pm$ 806.174  $\chi^2$ /NDF: 11.1/8

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

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



Right In: 1673.846 $\pm$ 0.877  $\chi^2$ /NDF: 99671.7/3

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

Right Out: 1736.147 $\pm$ 0.750  $\chi^2$ /NDF: 122917.8/4

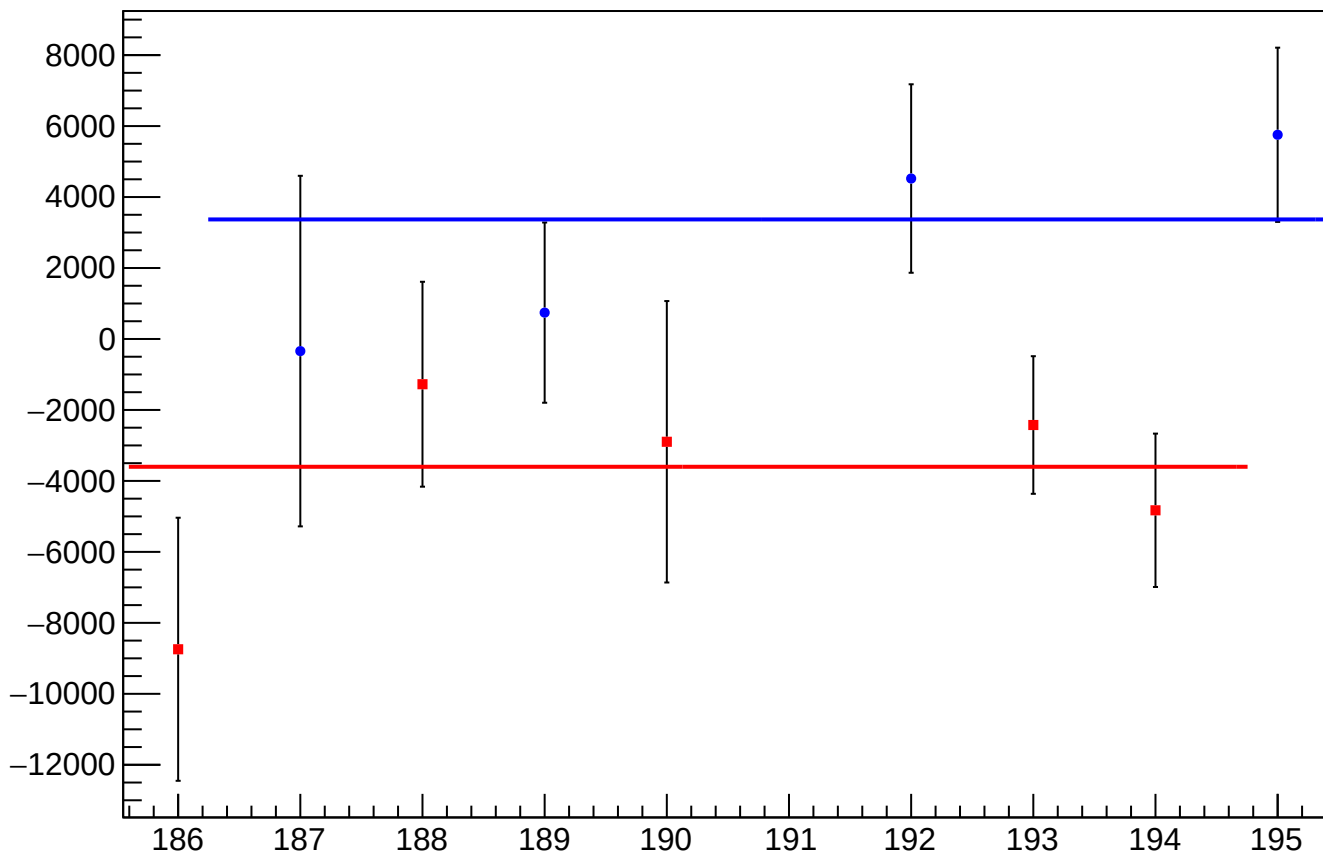
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1709.803 $\pm$ 0.570  $\chi^2$ /NDF: 225504.5/8

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

# asym\_us\_avg\_mean vs Slug



Right In: 3368.985 $\pm$ 1408.974  $\chi^2$ /NDF: 2.8/3

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

Right Out: -3601.420 $\pm$ 1165.352  $\chi^2$ /NDF: 3.3/4

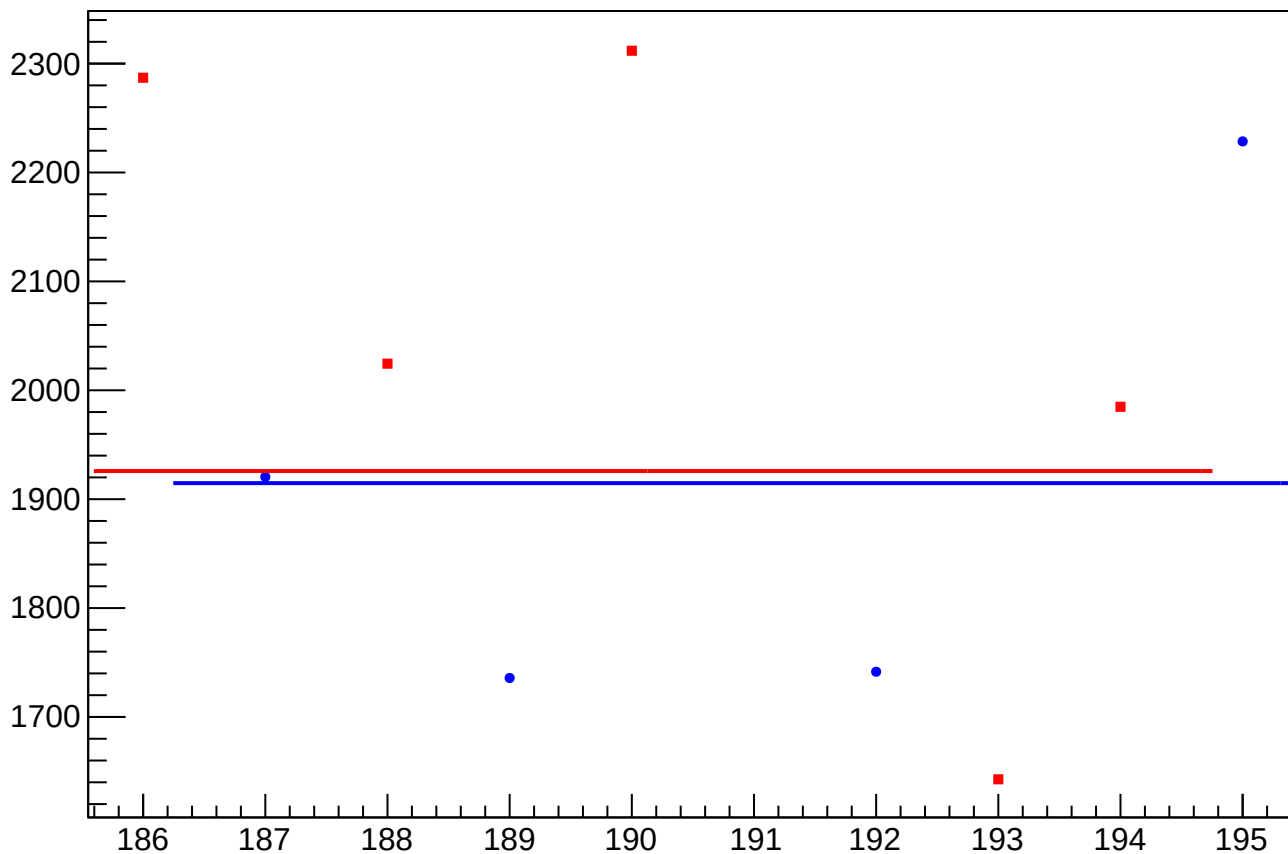
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -770.009 $\pm$ 897.998  $\chi^2$ /NDF: 20.6/8

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

# asym\_us\_avg\_rms vs Slug



Right In: 1914.746+/-0.996  $\chi^2/\text{NDF}$ : 51118.5/3

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

Right Out: 1925.844+/-0.824  $\chi^2/\text{NDF}$ : 84379.7/4

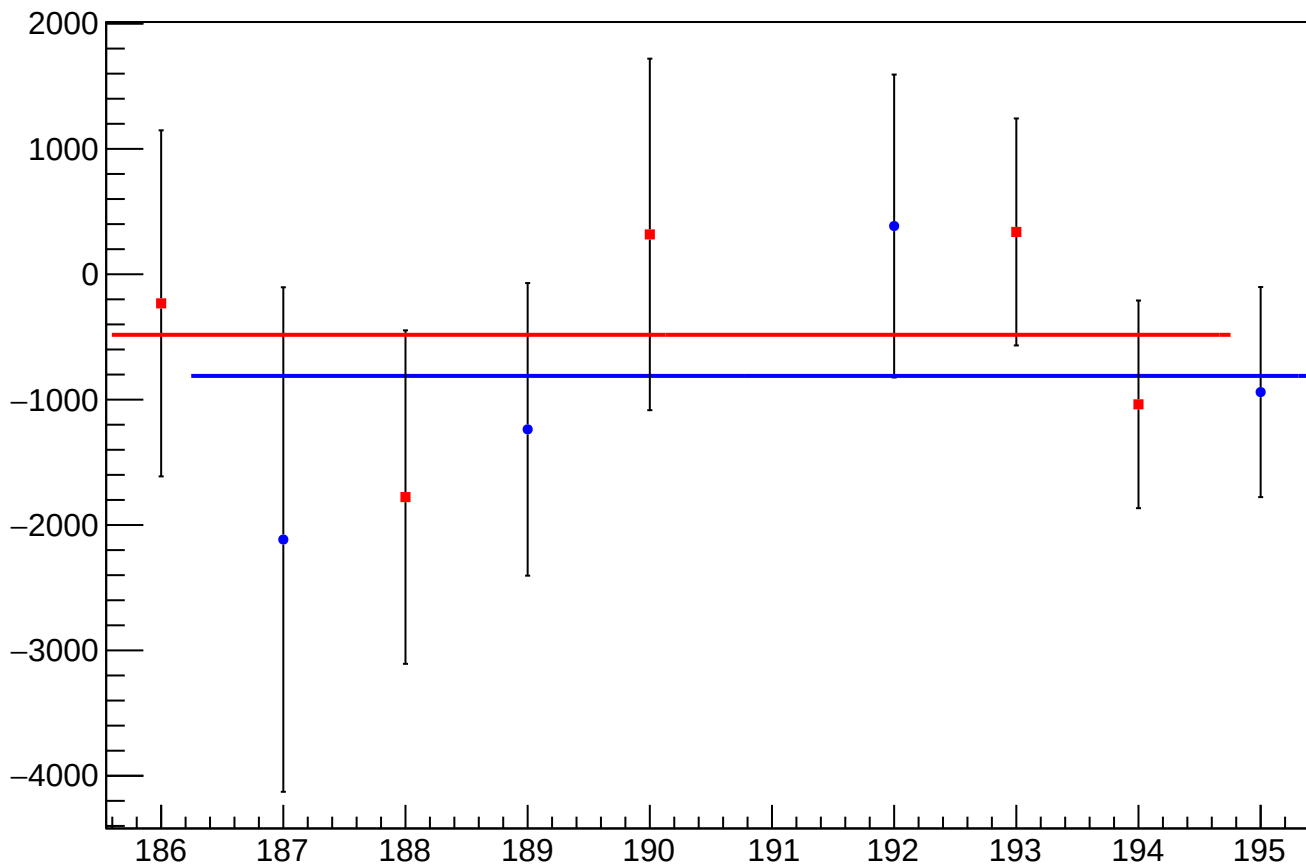
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1921.336+/-0.635  $\chi^2/\text{NDF}$ : 135571.9/8

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

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



Right In: -810.682 $\pm$ 568.743  $\chi^2$ /NDF: 1.6/3

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

Right Out: -482.965 $\pm$ 483.489  $\chi^2$ /NDF: 2.6/4

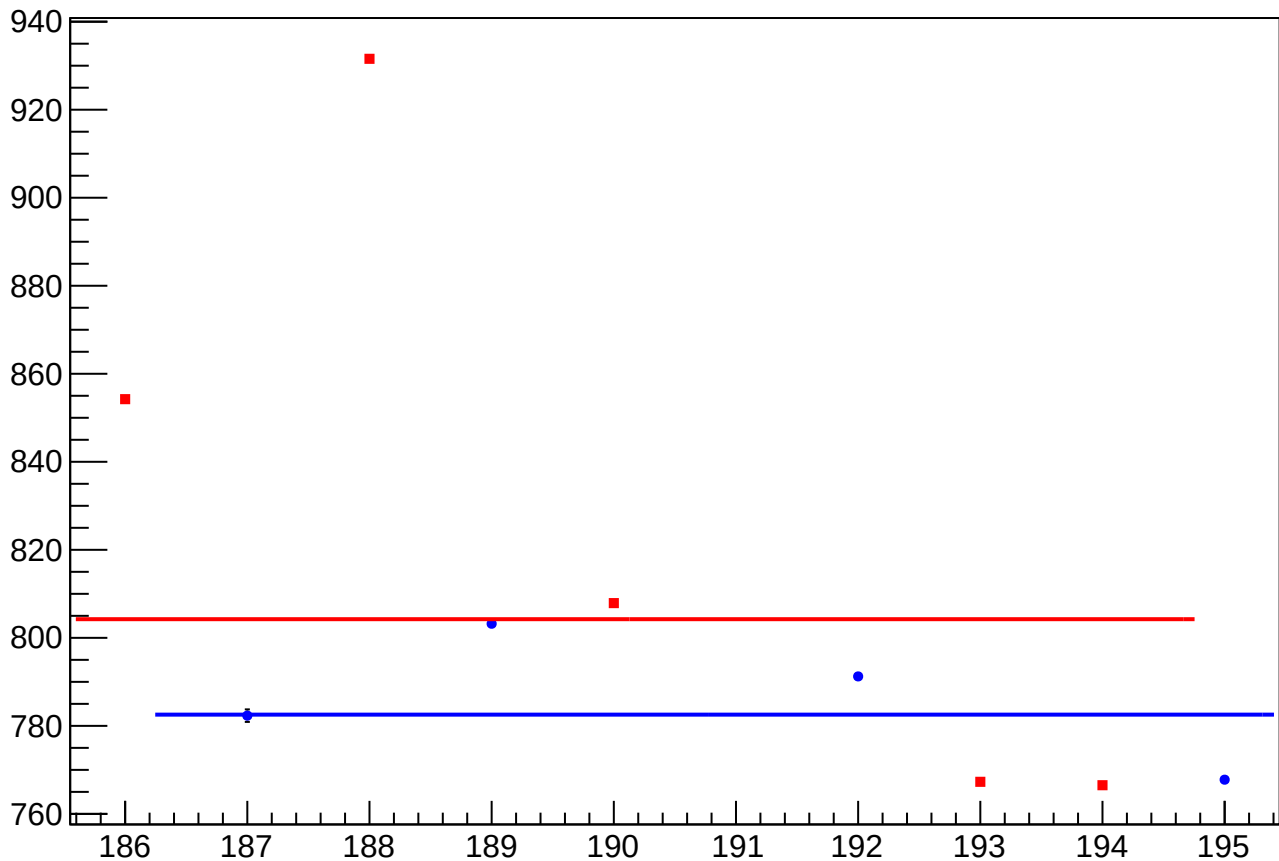
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -620.445 $\pm$ 368.371  $\chi^2$ /NDF: 4.3/8

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

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



Right In: 782.552 $\pm$ 0.402  $\chi^2$ /NDF: 1352.3/3

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

Right Out: 804.239 $\pm$ 0.342  $\chi^2$ /NDF: 28454.1/4

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

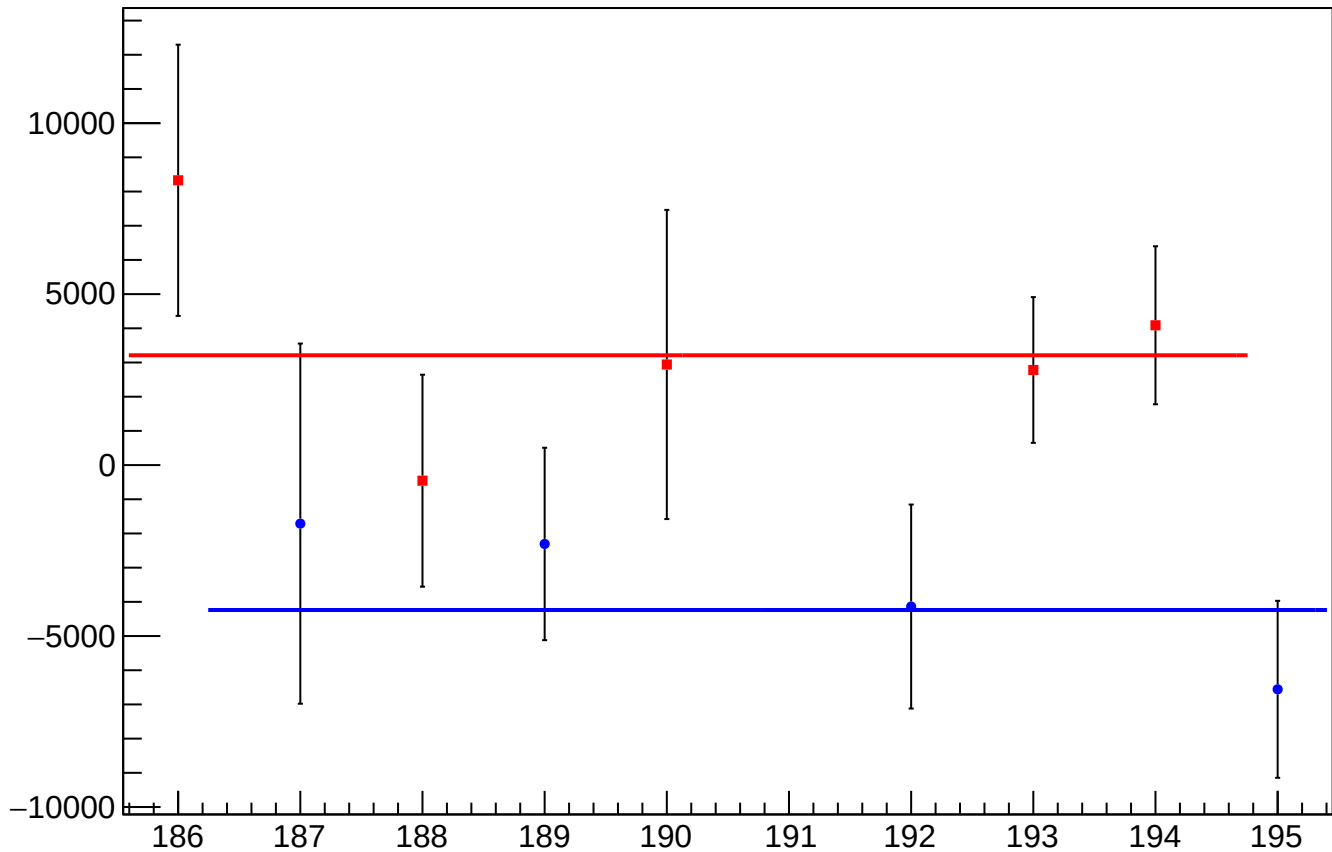
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 795.141 $\pm$ 0.260  $\chi^2$ /NDF: 31494.5/8

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



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



Right In: -4237.991 $\pm$ 1535.634  $\chi^2$ /NDF: 1.5/3

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

Right Out: 3211.324 $\pm$ 1265.825  $\chi^2$ /NDF: 3.3/4

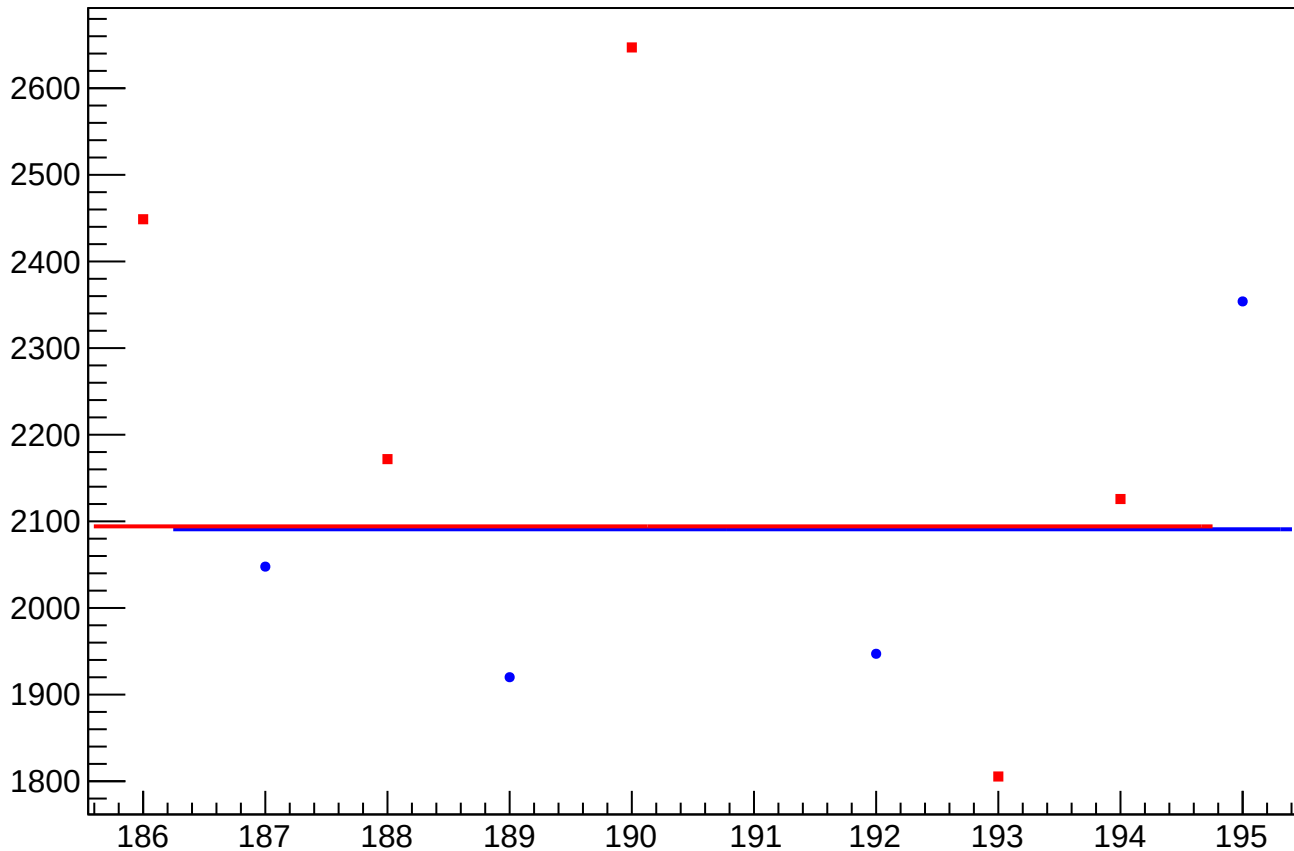
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 197.517 $\pm$ 976.759  $\chi^2$ /NDF: 18.8/8

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

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



Right In: 2090.842+/-1.086  $\chi^2/\text{NDF}$ : 32804.4/3

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

Right Out: 2094.195+/-0.895  $\chi^2/\text{NDF}$ : 84243.2/4

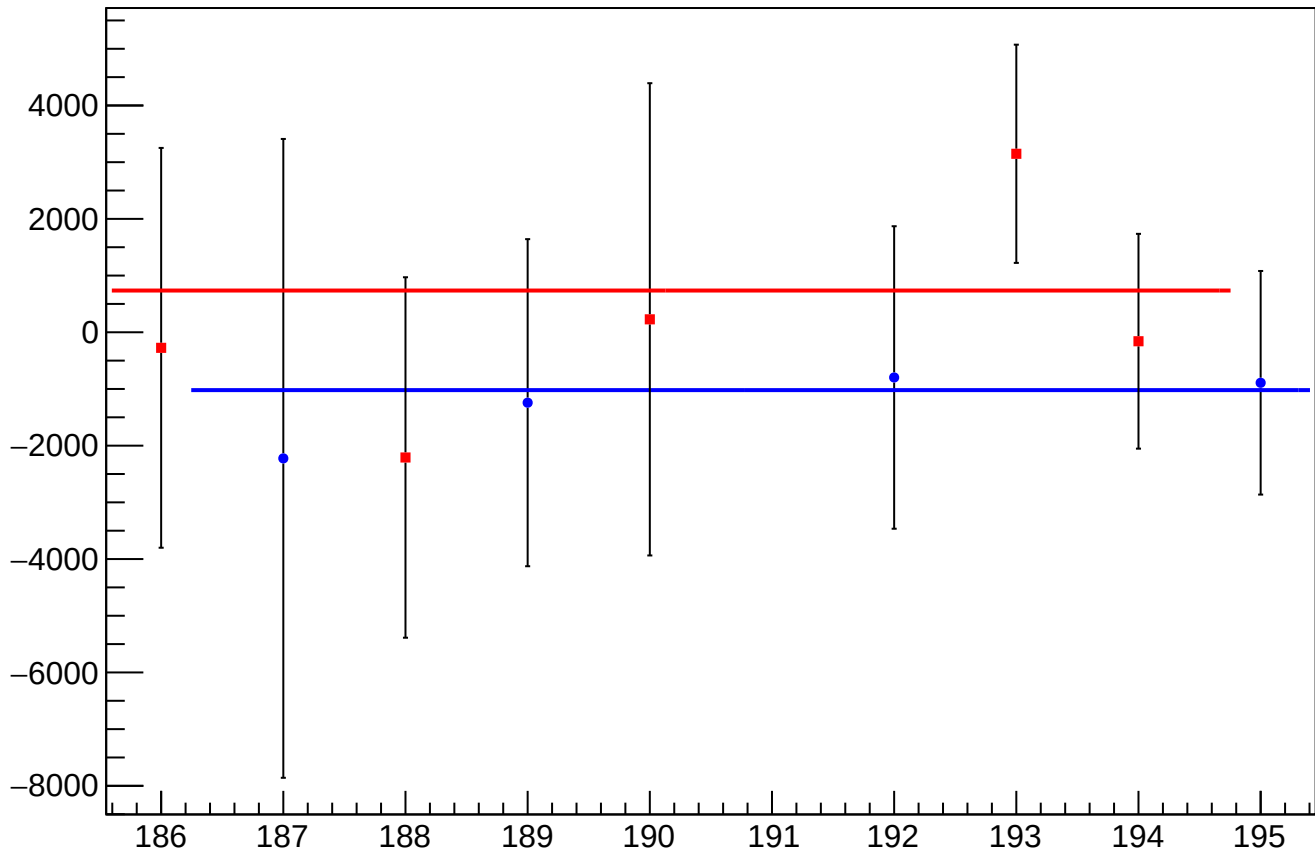
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2092.838+/-0.691  $\chi^2/\text{NDF}$ : 117053.3/8

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

# asym\_us\_dd\_mean vs Slug



Right In:  $-1020.328 \pm 1349.209$   $\chi^2/\text{NDF}$ : 0.1/3

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

Right Out:  $736.124 \pm 1128.177$   $\chi^2/\text{NDF}$ : 2.7/4

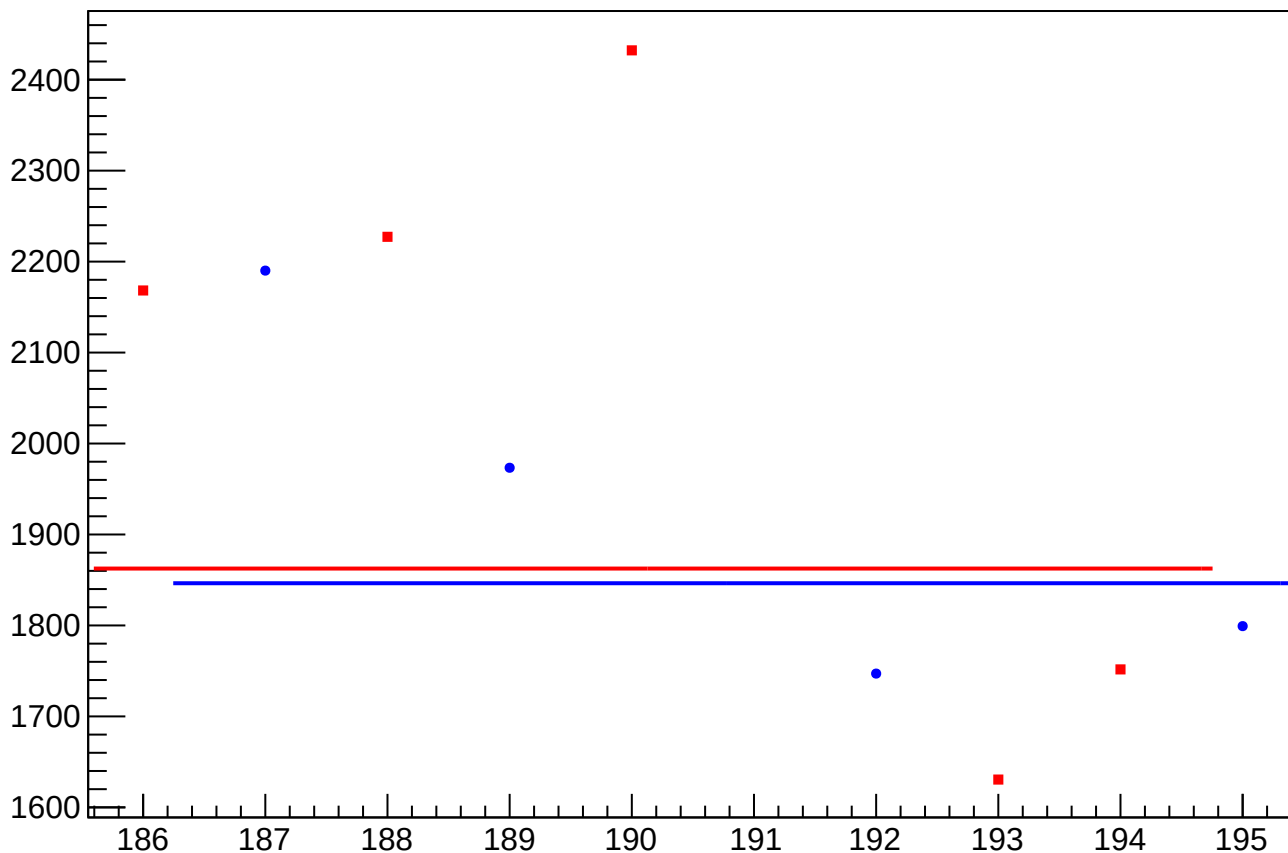
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $13.371 \pm 865.478$   $\chi^2/\text{NDF}$ : 3.8/8

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

# asym\_us\_dd\_rms vs Slug



Right In: 1846.409+/-0.954  $\chi^2/\text{NDF}$ : 15233.2/3

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

Right Out: 1862.540+/-0.798  $\chi^2/\text{NDF}$ : 114688.6/4

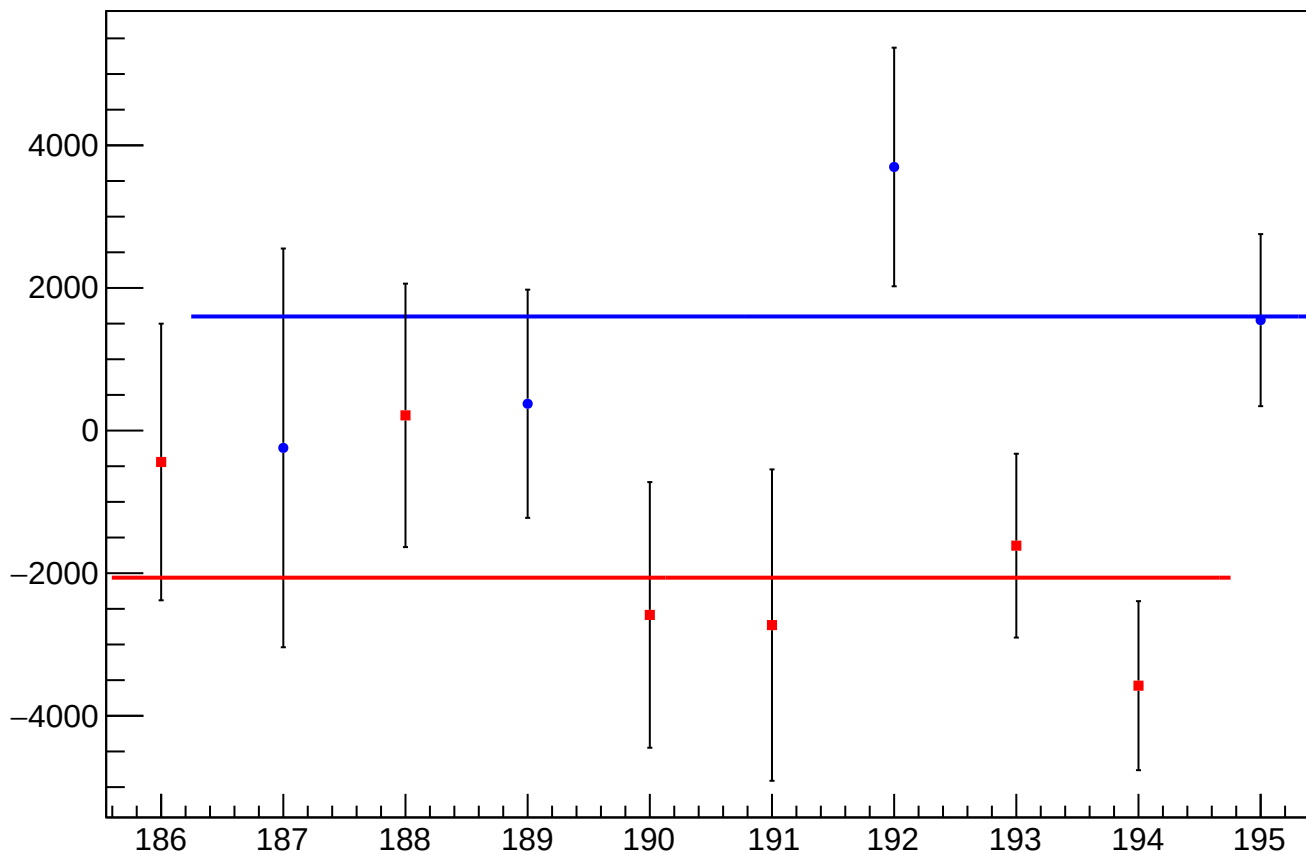
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1855.902+/-0.612  $\chi^2/\text{NDF}$ : 130090.1/8

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

# dit\_asym\_usl\_mean vs Slug



Right In: 1599.959 $\pm$ 799.905  $\chi^2$ /NDF: 2.6/3

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

Right Out: -2062.878 $\pm$ 649.485  $\chi^2$ /NDF: 4.1/5

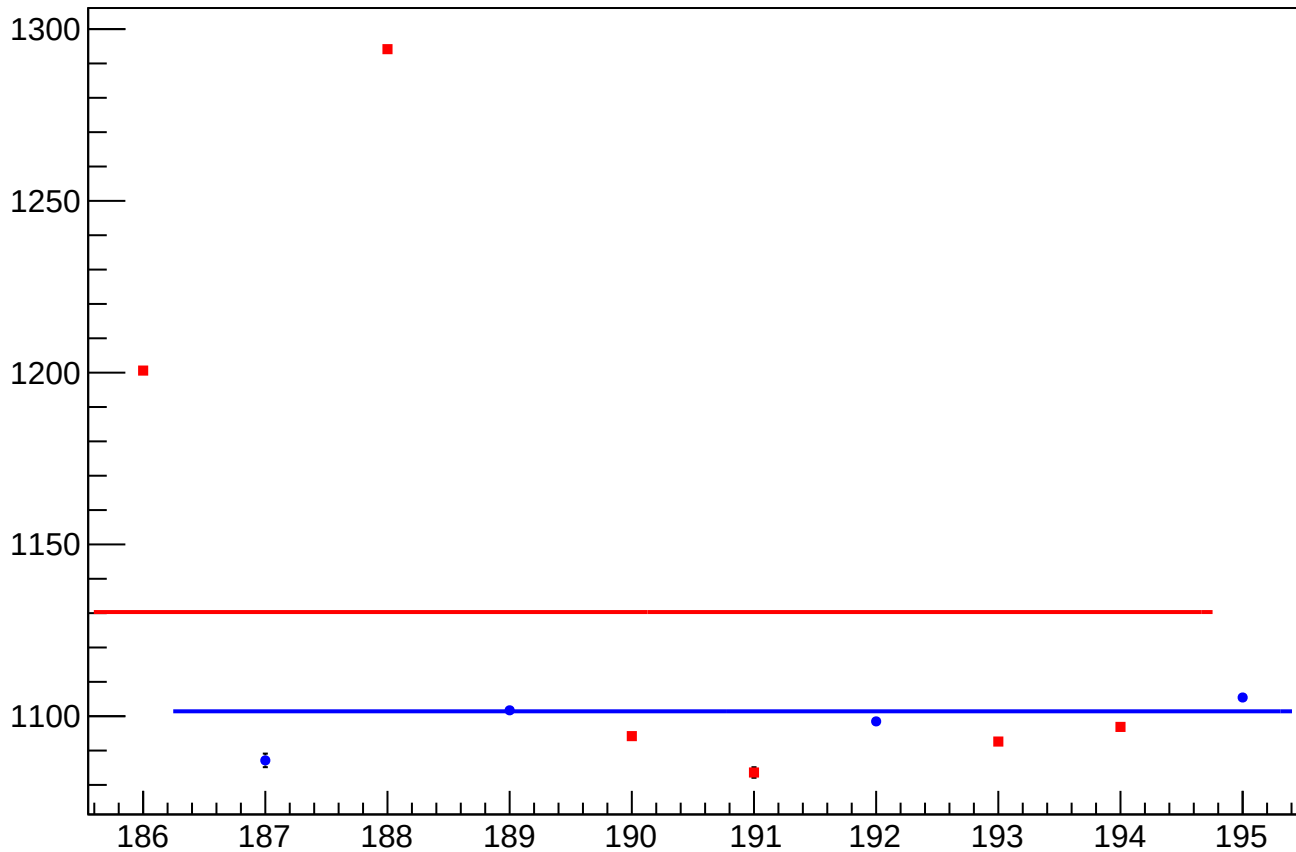
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -607.545 $\pm$ 504.210  $\chi^2$ /NDF: 19.4/9

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

# dit\_asym\_usl\_rms vs Slug



Right In: 1101.425+/-0.566  $\chi^2/\text{NDF}$ : 80.7/3

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

Right Out: 1130.317+/-0.459  $\chi^2/\text{NDF}$ : 23328.0/5

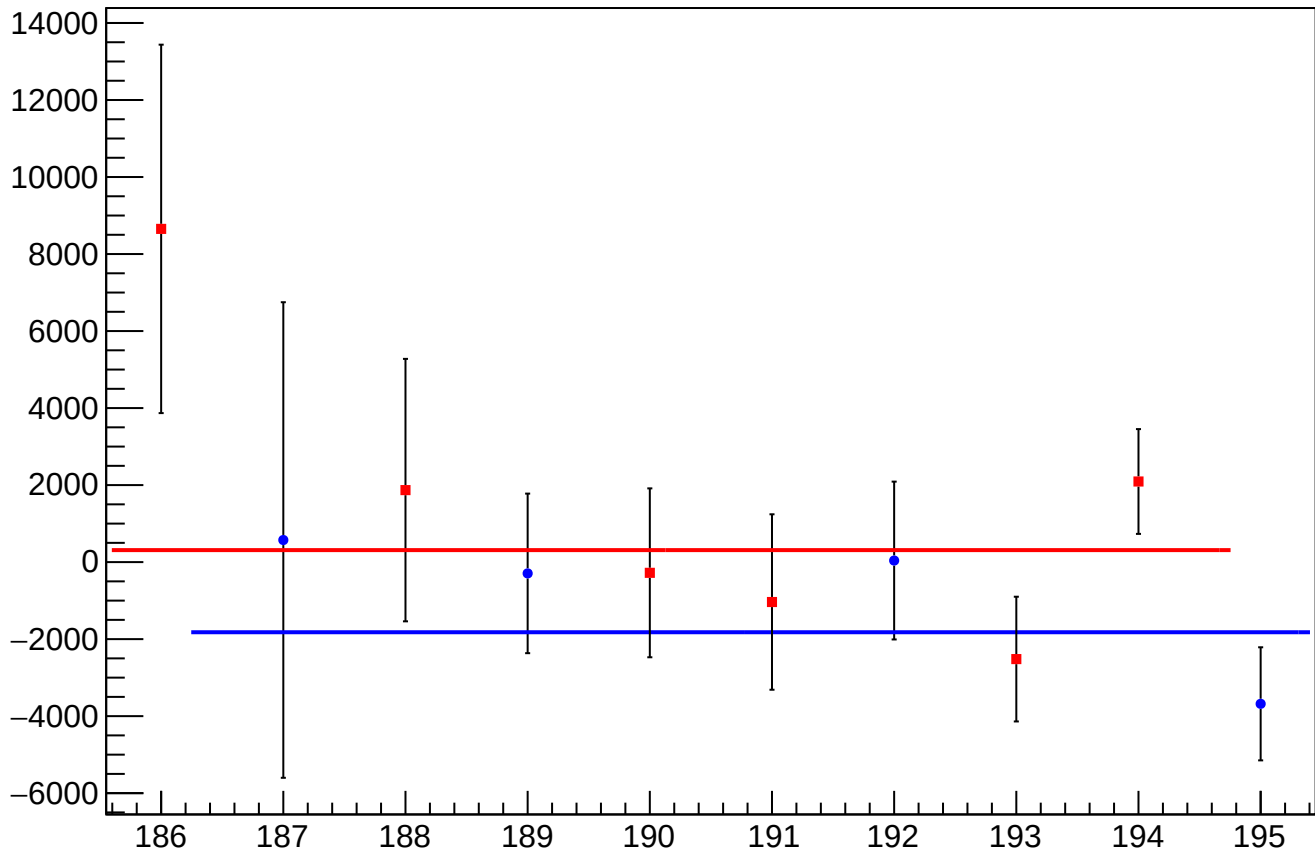
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1118.838+/-0.357  $\chi^2/\text{NDF}$ : 24981.1/9

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

# asym\_usl\_correction\_mean vs Slug



Right In: -1821.328 $\pm$ 1020.042  $\chi^2$ /NDF: 3.1/3

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

Right Out: 311.443 $\pm$ 829.913  $\chi^2$ /NDF: 8.4/5

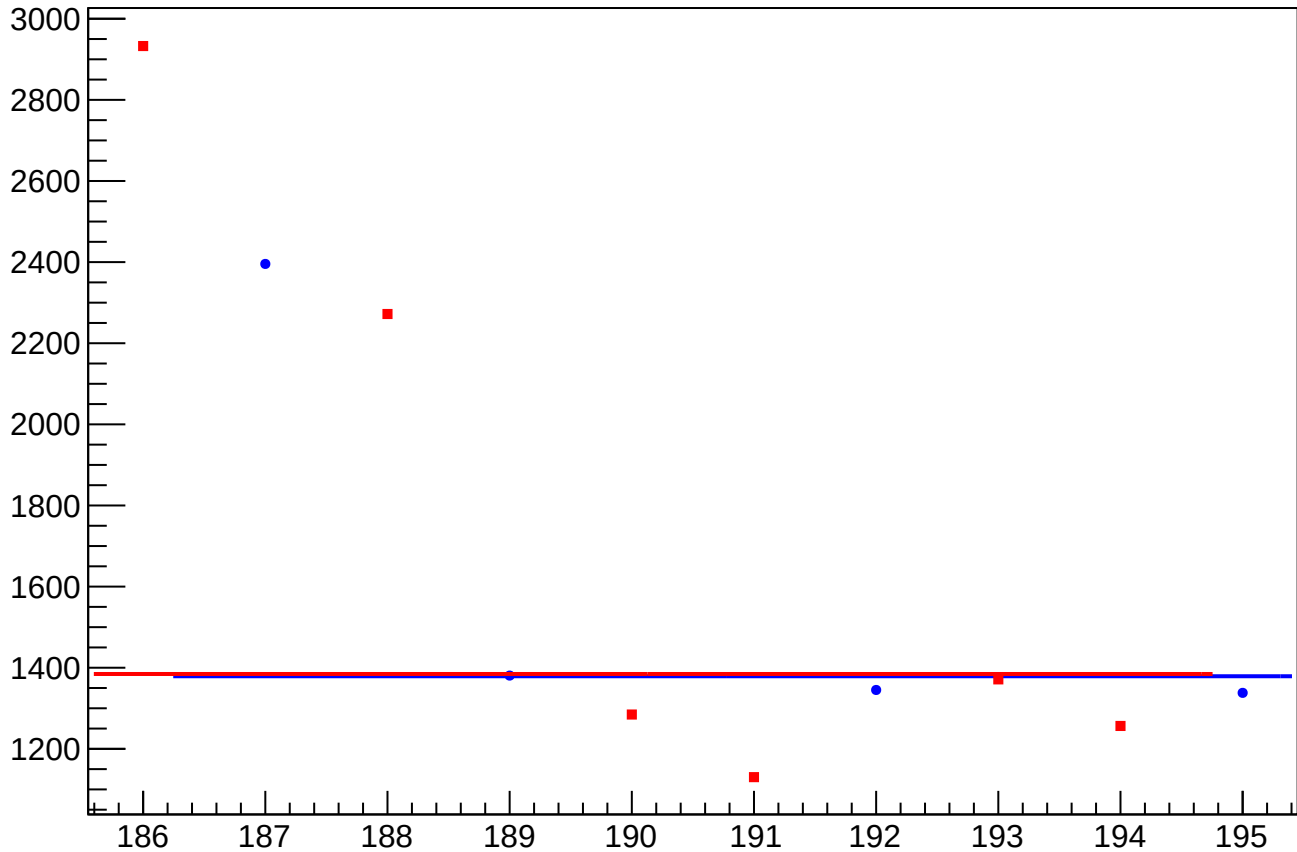
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -538.038 $\pm$ 643.758  $\chi^2$ /NDF: 14.2/9

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

# asym\_usl\_correction\_rms vs Slug



Right In: 1378.997 $\pm$ 0.721  $\chi^2$ /NDF: 56304.8/3

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

Right Out: 1384.560 $\pm$ 0.587  $\chi^2$ /NDF: 392077.9/5

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

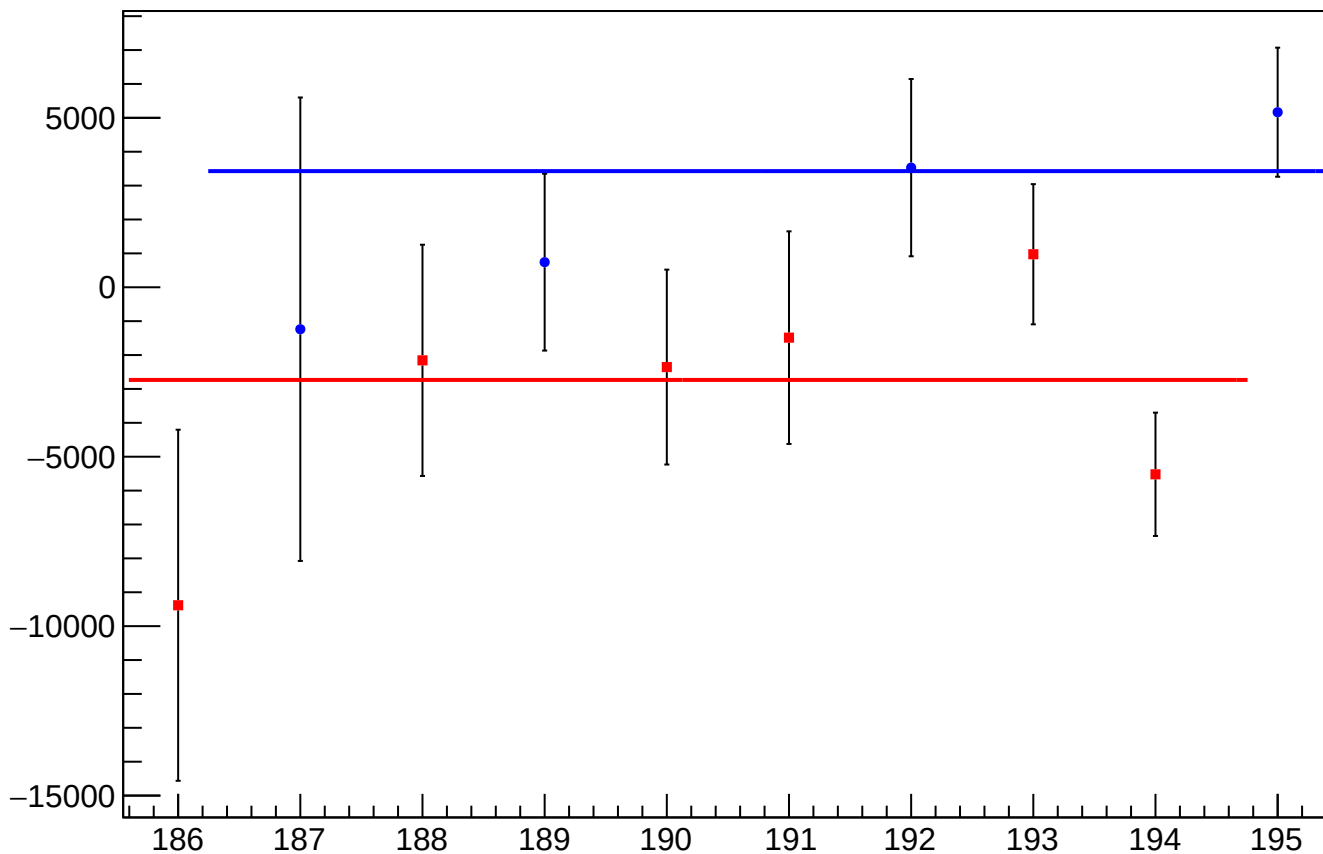
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1382.344 $\pm$ 0.455  $\chi^2$ /NDF: 448418.5/9

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



# asym\_usl\_mean vs Slug



Right In: 3427.463 $\pm$ 1301.685  $\chi^2$ /NDF: 2.4/3

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

Right Out: -2734.437 $\pm$ 1065.085  $\chi^2$ /NDF: 7.4/5

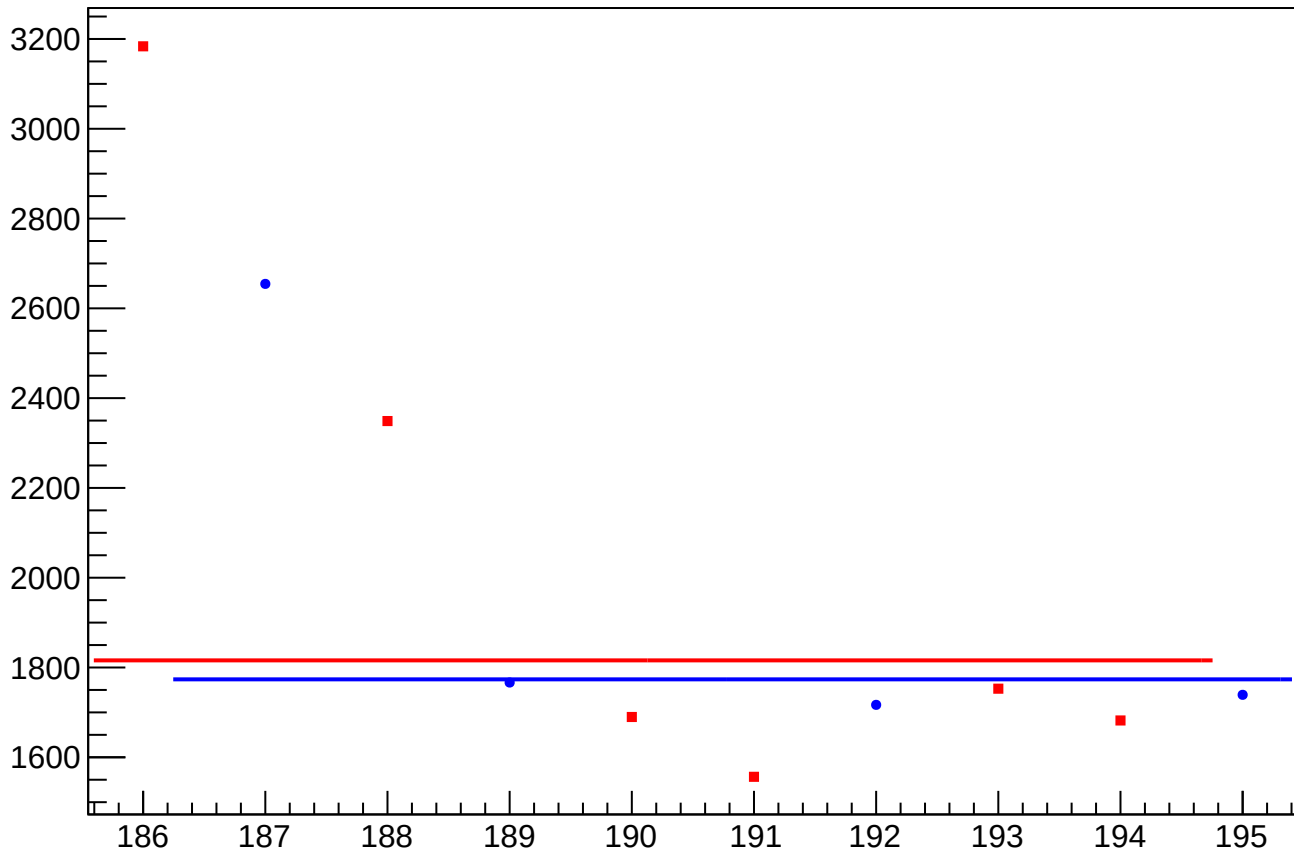
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -263.383 $\pm$ 824.309  $\chi^2$ /NDF: 23.2/9

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

# asym\_usl\_rms vs Slug



Right In: 1773.593+/-0.920  $\chi^2/\text{NDF}$ : 34802.8/3

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

Right Out: 1815.869+/-0.753  $\chi^2/\text{NDF}$ : 218486.4/5

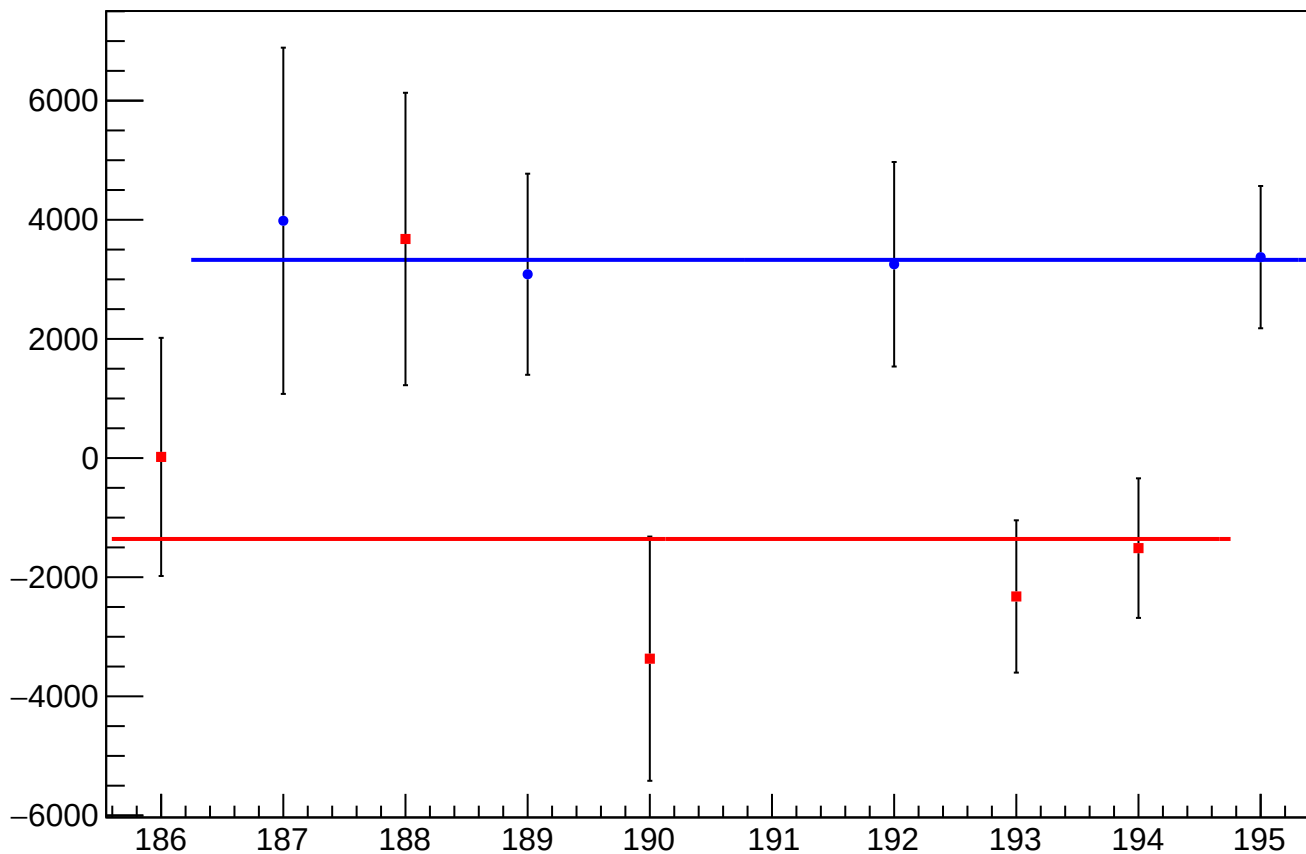
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1798.916+/-0.583  $\chi^2/\text{NDF}$ : 254552.8/9

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

# dit\_asym\_usr\_mean vs Slug



Right In: 3327.277 $\pm$ 813.815  $\chi^2$ /NDF: 0.1/3

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

Right Out: -1358.228 $\pm$ 708.074  $\chi^2$ /NDF: 6.2/4

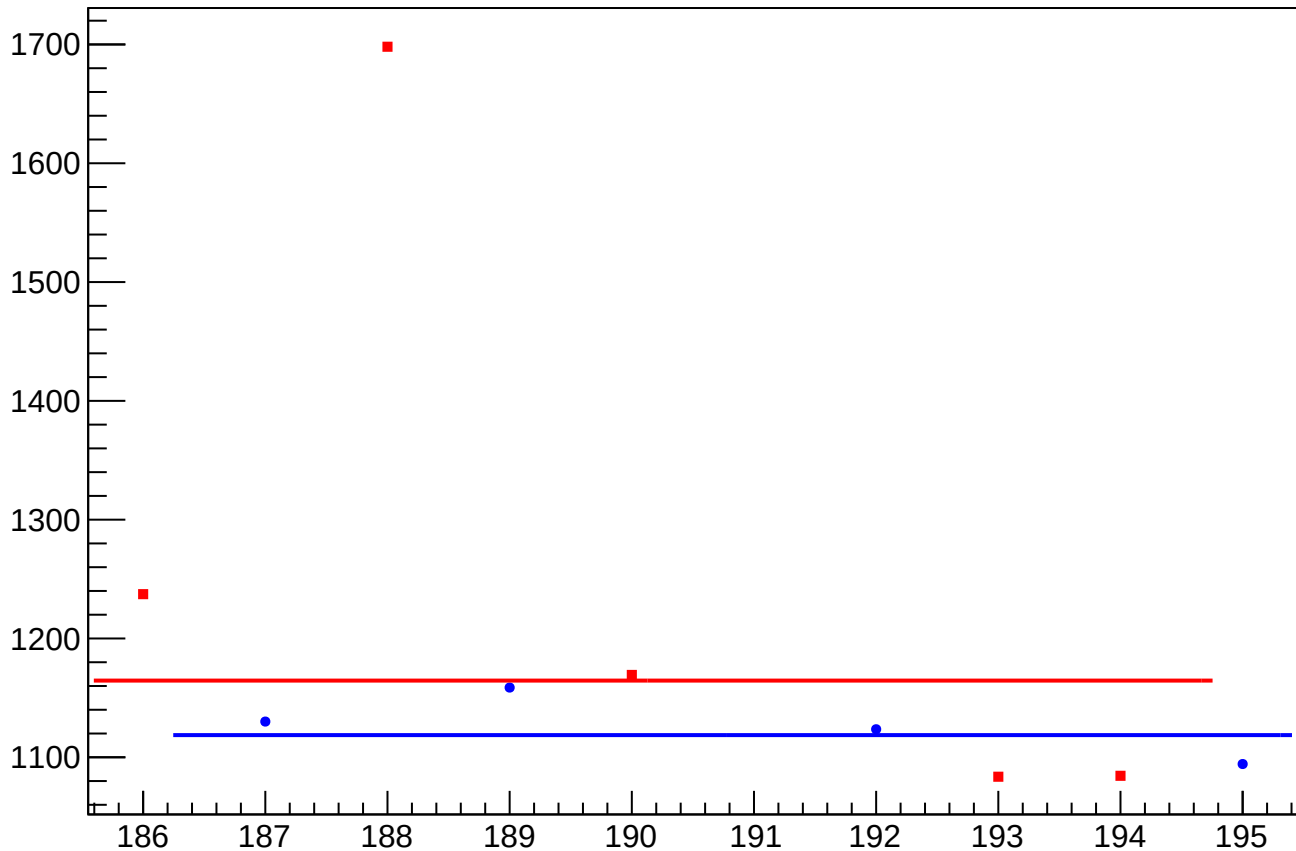
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 660.537 $\pm$ 534.184  $\chi^2$ /NDF: 25.2/8

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

# dit\_asym\_usr\_rms vs Slug



Right In: 1118.663 $\pm$ 0.575  $\chi^2$ /NDF: 2001.6/3

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

Right Out: 1164.554 $\pm$ 0.501  $\chi^2$ /NDF: 114525.6/4

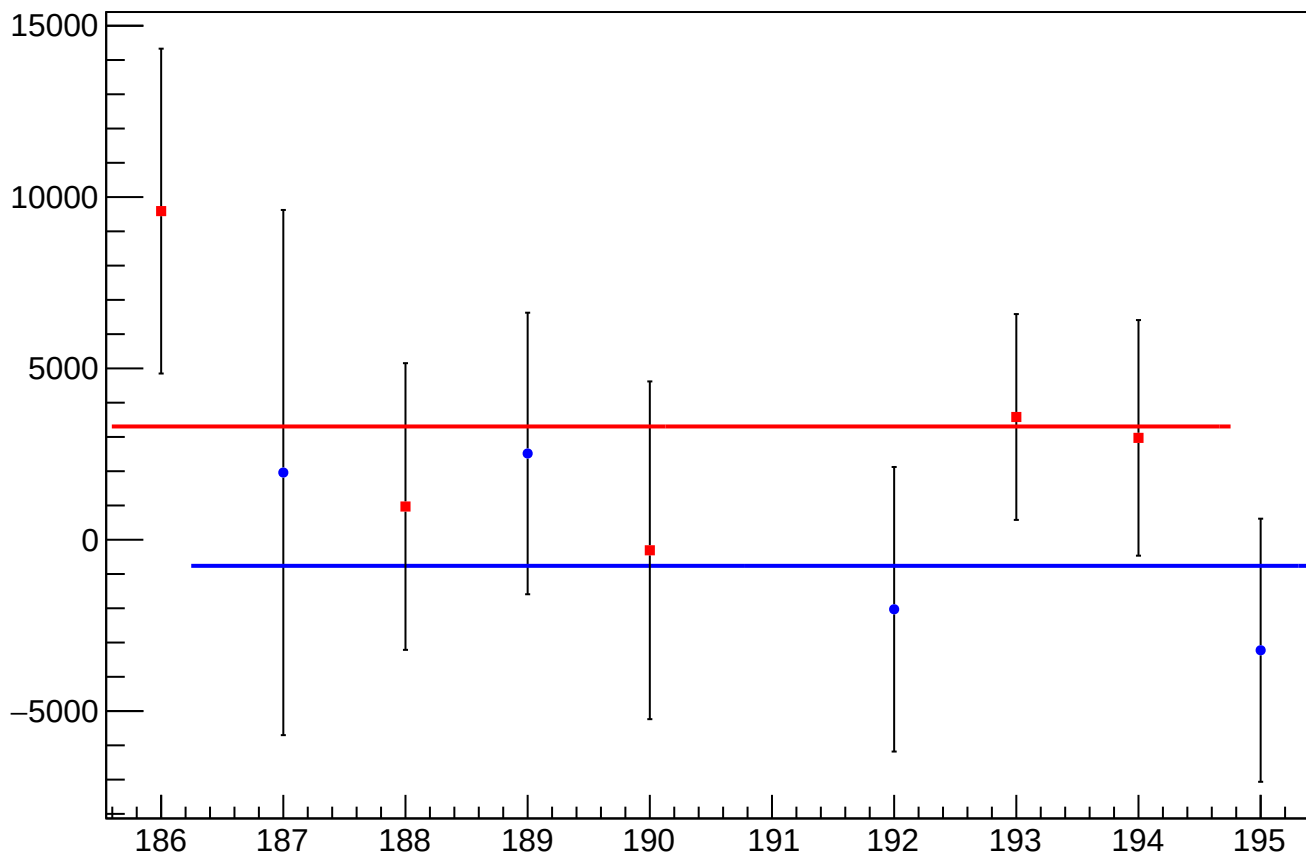
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1144.781 $\pm$ 0.378  $\chi^2$ /NDF: 120146.7/8

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

# asym\_usr\_correction\_mean vs Slug



Right In: -761.377 $\pm$ 2224.268  $\chi^2$ /NDF: 1.3/3

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

Right Out: 3305.690 $\pm$ 1719.309  $\chi^2$ /NDF: 2.6/4

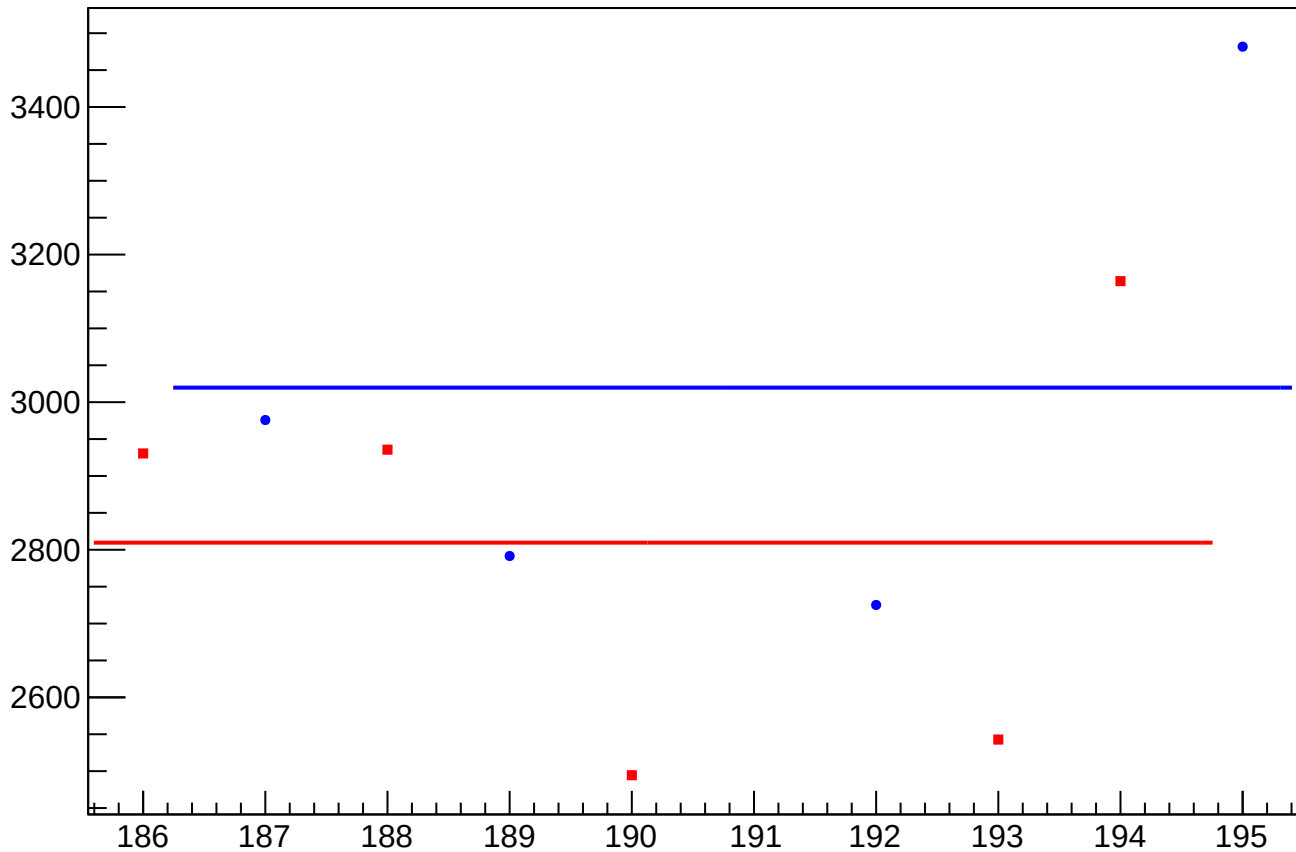
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1784.528 $\pm$ 1360.299  $\chi^2$ /NDF: 6.0/8

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

# asym\_usr\_correction\_rms vs Slug



Right In: 3019.712 $\pm$ 1.573  $\chi^2$ /NDF: 45262.4/3

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

Right Out: 2809.651 $\pm$ 1.216  $\chi^2$ /NDF: 48326.7/4

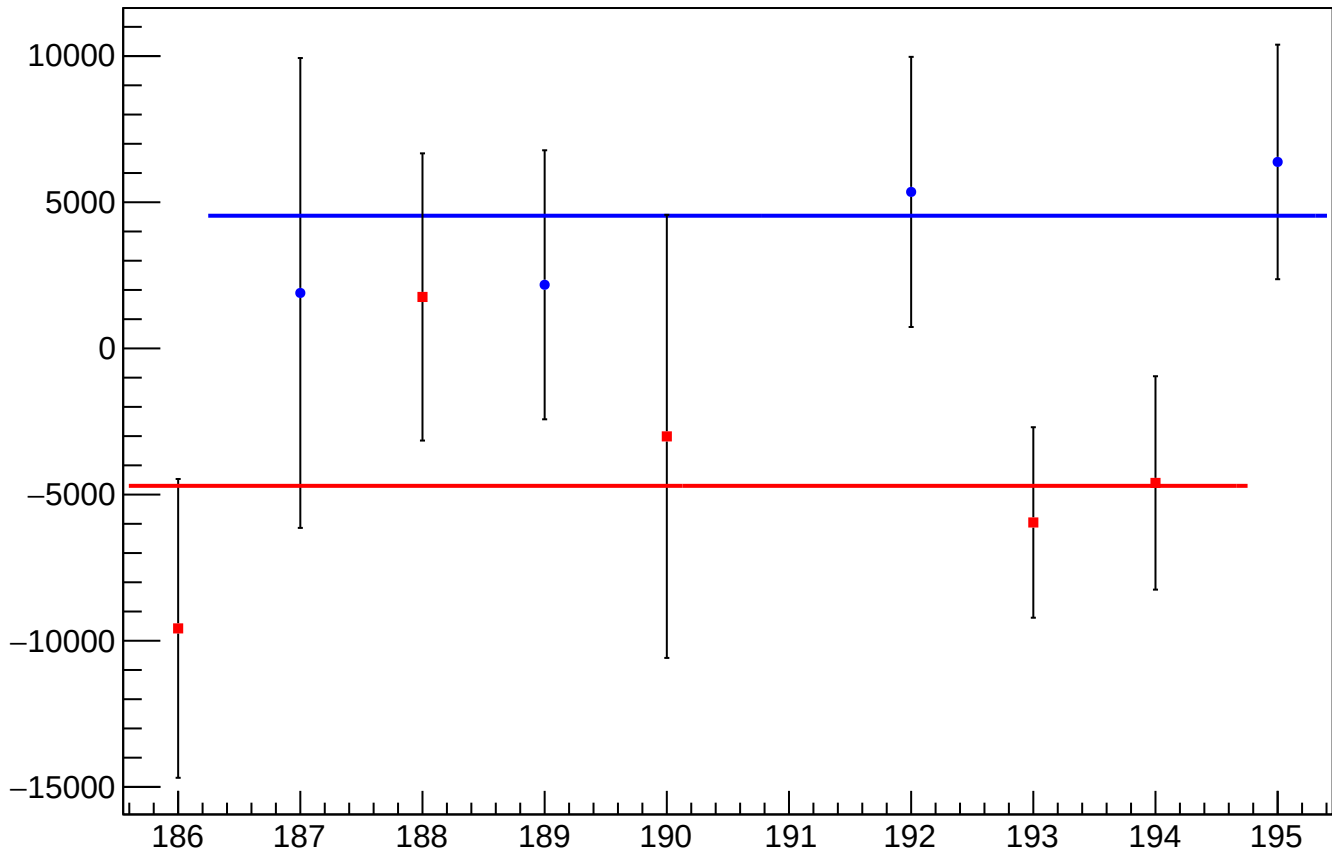
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2888.218 $\pm$ 0.962  $\chi^2$ /NDF: 104755.3/8

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

# asym\_usr\_mean vs Slug



Right In: 4539.101 $\pm$ 2413.336  $\chi^2$ /NDF: 0.6/3

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

Right Out: -4701.035 $\pm$ 1937.491  $\chi^2$ /NDF: 2.8/4

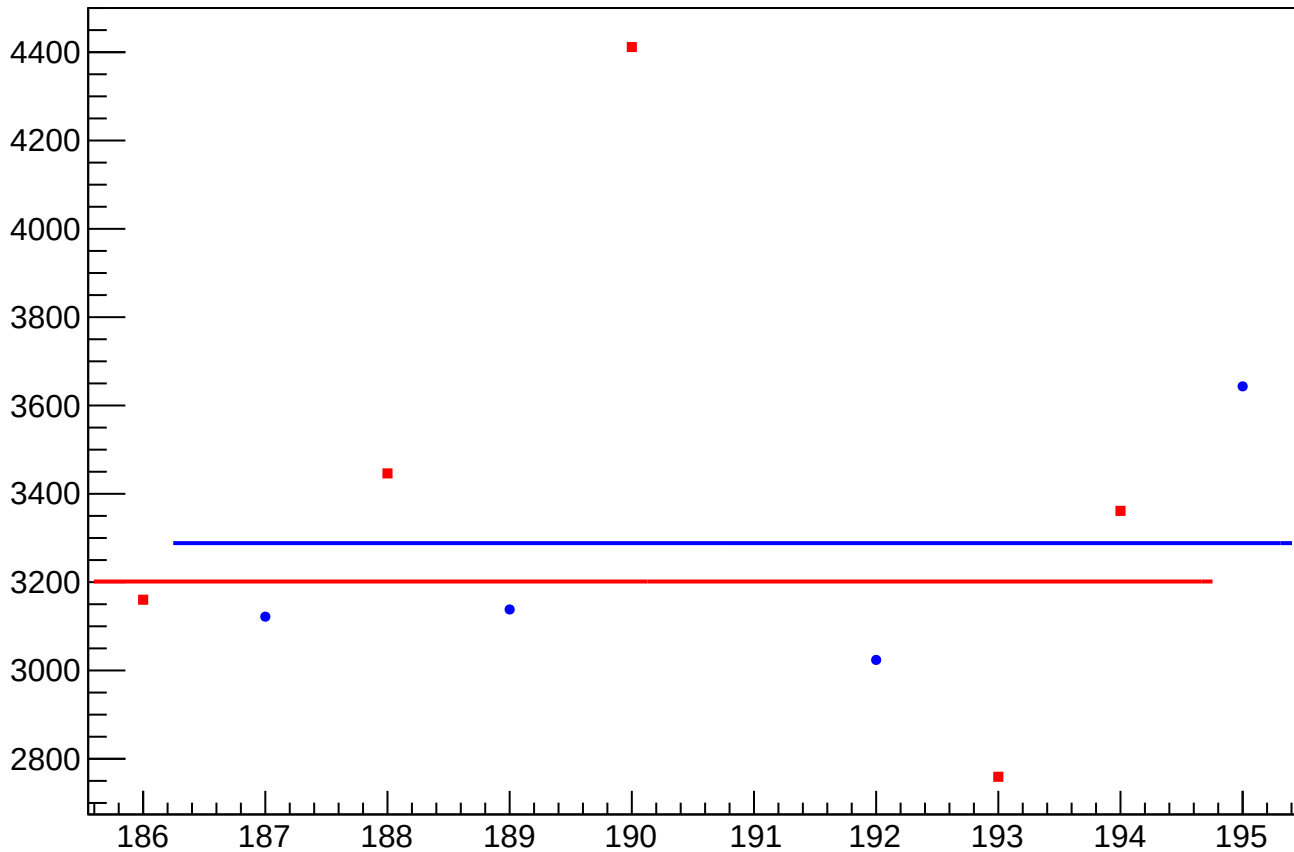
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -1079.604 $\pm$ 1510.841  $\chi^2$ /NDF: 12.4/8

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

# asym\_usr\_rms vs Slug



Right In: 3288.362+/-1.706  $\chi^2/\text{NDF}$ : 25205.2/3

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

Right Out: 3201.441+/-1.370  $\chi^2/\text{NDF}$ : 96772.0/4

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

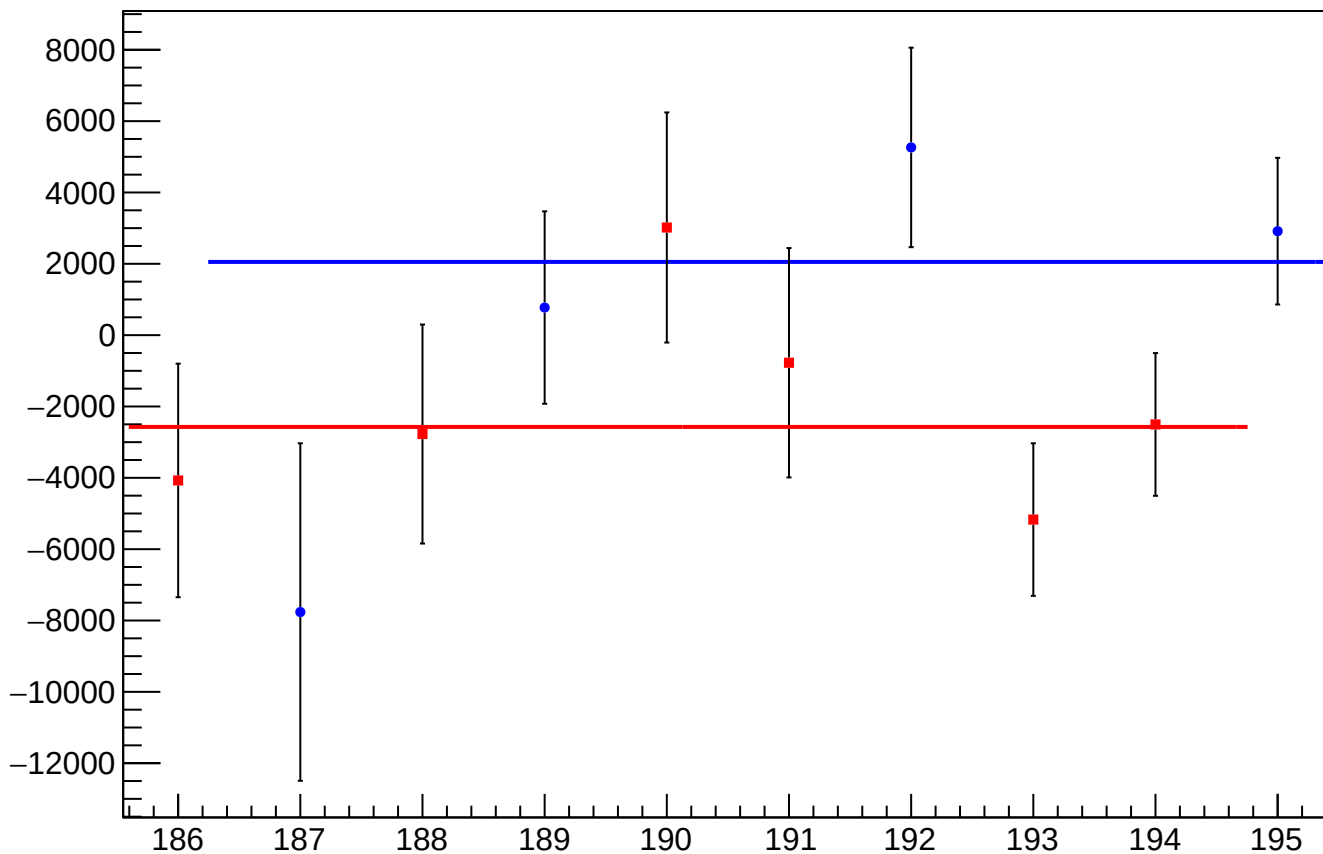
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3235.508+/-1.068  $\chi^2/\text{NDF}$ : 123554.8/8

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



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



Right In: 2053.226+/-1352.454  $\chi^2/\text{NDF}$ : 6.0/3

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

Right Out: -2573.066+/-1077.782  $\chi^2/\text{NDF}$ : 5.0/5

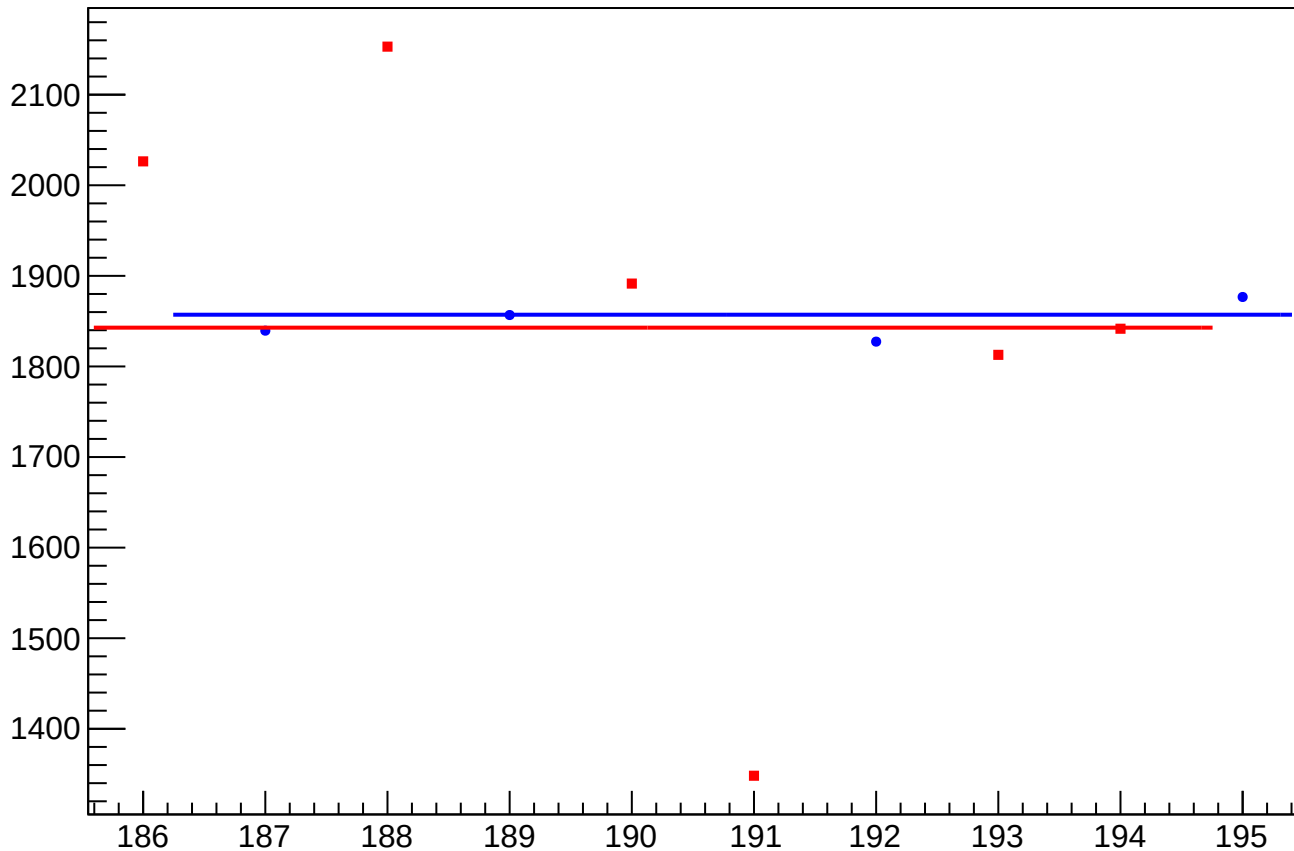
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -776.201+/-842.876  $\chi^2/\text{NDF}$ : 18.2/9

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

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



Right In: 1857.110 $\pm$ 0.956  $\chi^2$ /NDF: 434.9/3

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

Right Out: 1842.824 $\pm$ 0.762  $\chi^2$ /NDF: 74919.0/5

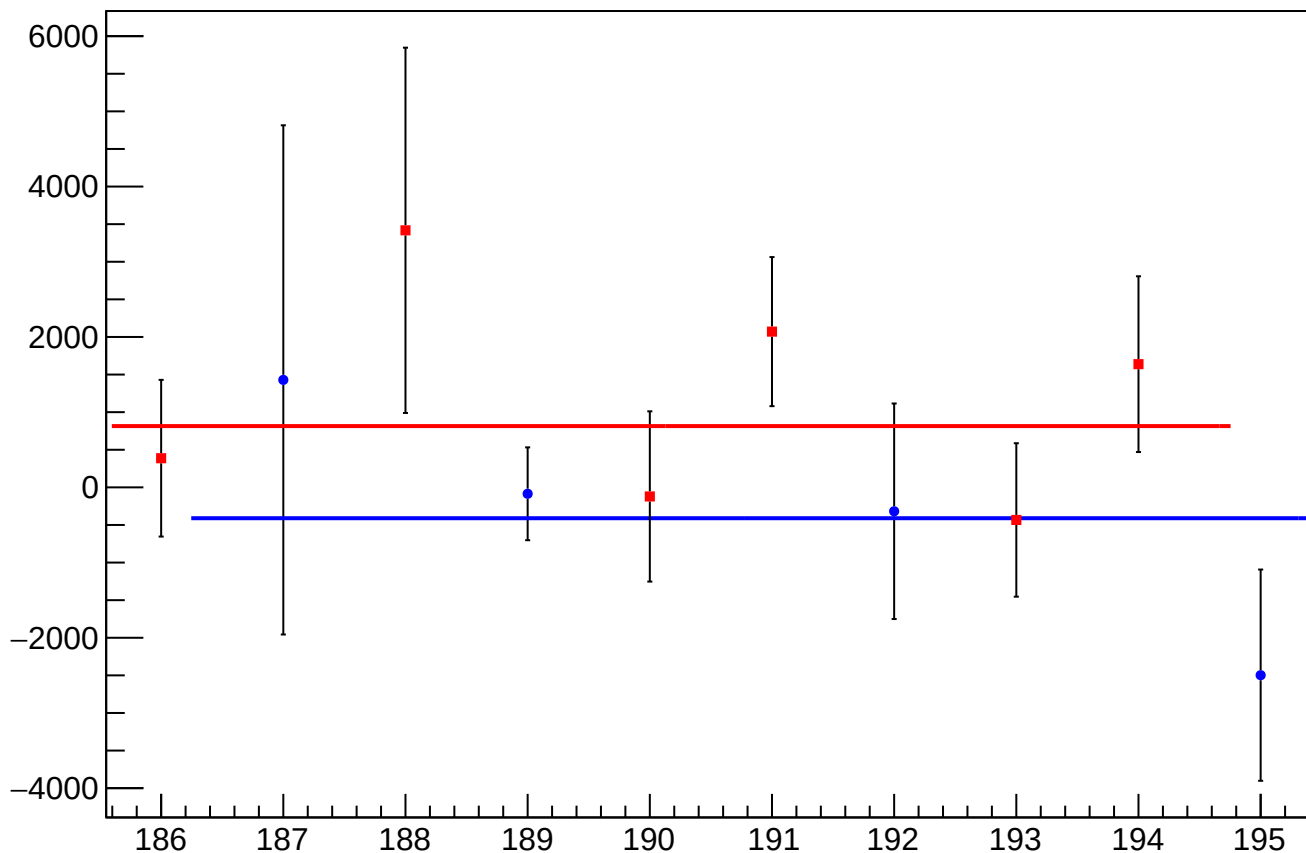
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1848.373 $\pm$ 0.596  $\chi^2$ /NDF: 75490.4/9

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

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



Right In: -410.329+/-519.503  $\chi^2/\text{NDF}$ : 2.8/3

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

Right Out: 814.900+/-467.170  $\chi^2/\text{NDF}$ : 5.6/5

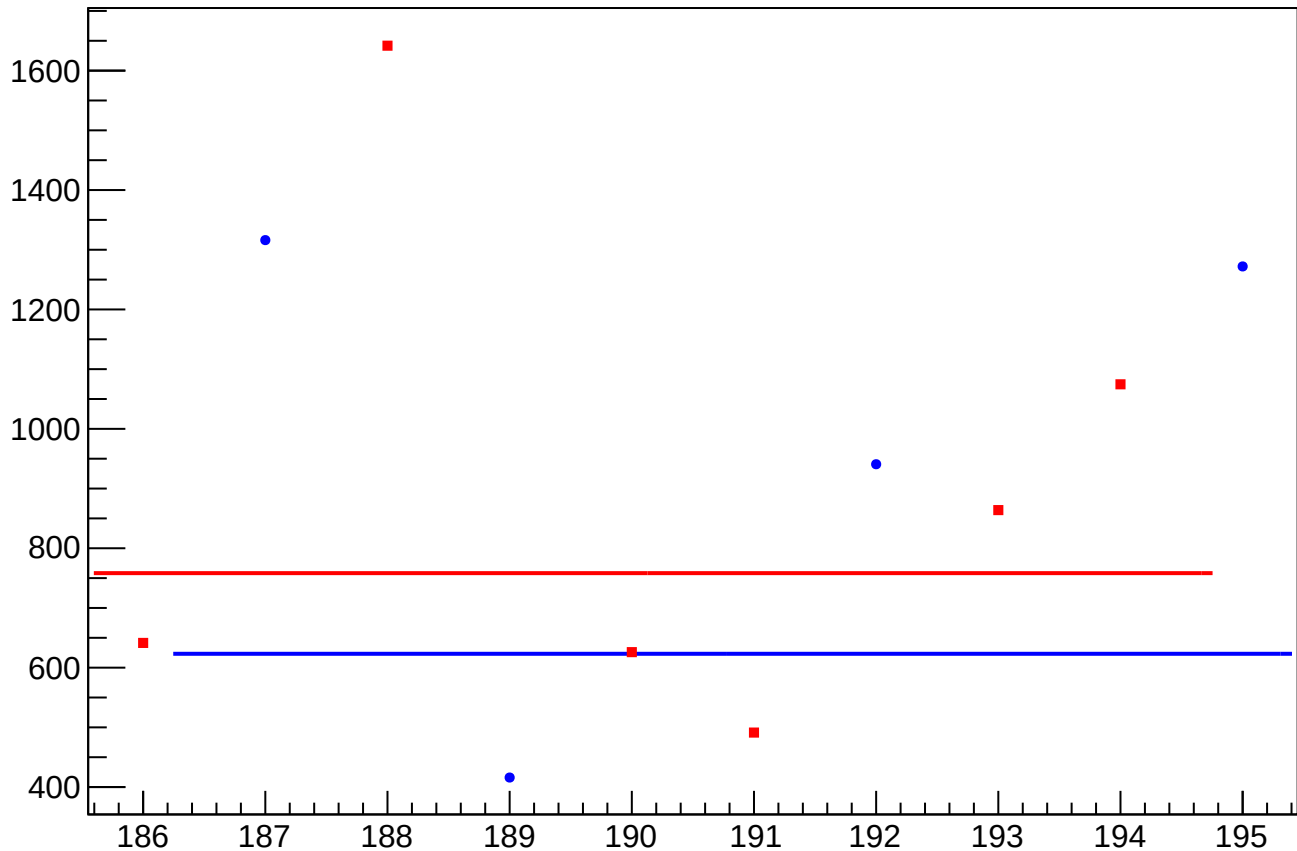
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 267.088+/-347.372  $\chi^2/\text{NDF}$ : 11.5/9

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

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



Right In: 623.234 $\pm$ 0.367  $\chi^2$ /NDF: 834220.2/3

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

Right Out: 758.323 $\pm$ 0.330  $\chi^2$ /NDF: 630244.7/5

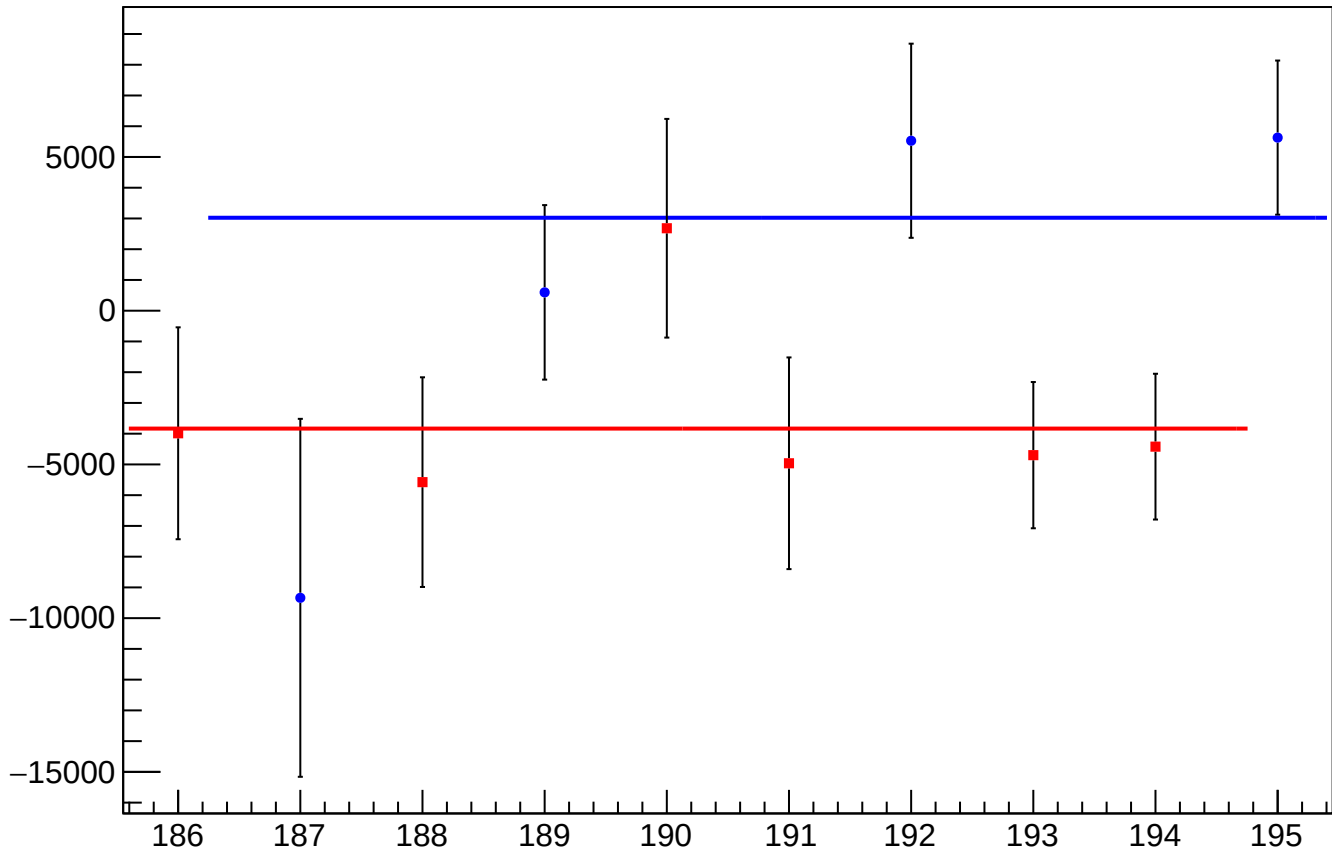
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

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

All: 697.923 $\pm$ 0.246  $\chi^2$ /NDF: 1539236.6/9

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

# asym\_at1\_avg\_mean vs Slug



Right In: 3023.415 $\pm$ 1555.812  $\chi^2$ /NDF: 7.0/3

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

Right Out: -3834.162 $\pm$ 1205.275  $\chi^2$ /NDF: 3.9/5

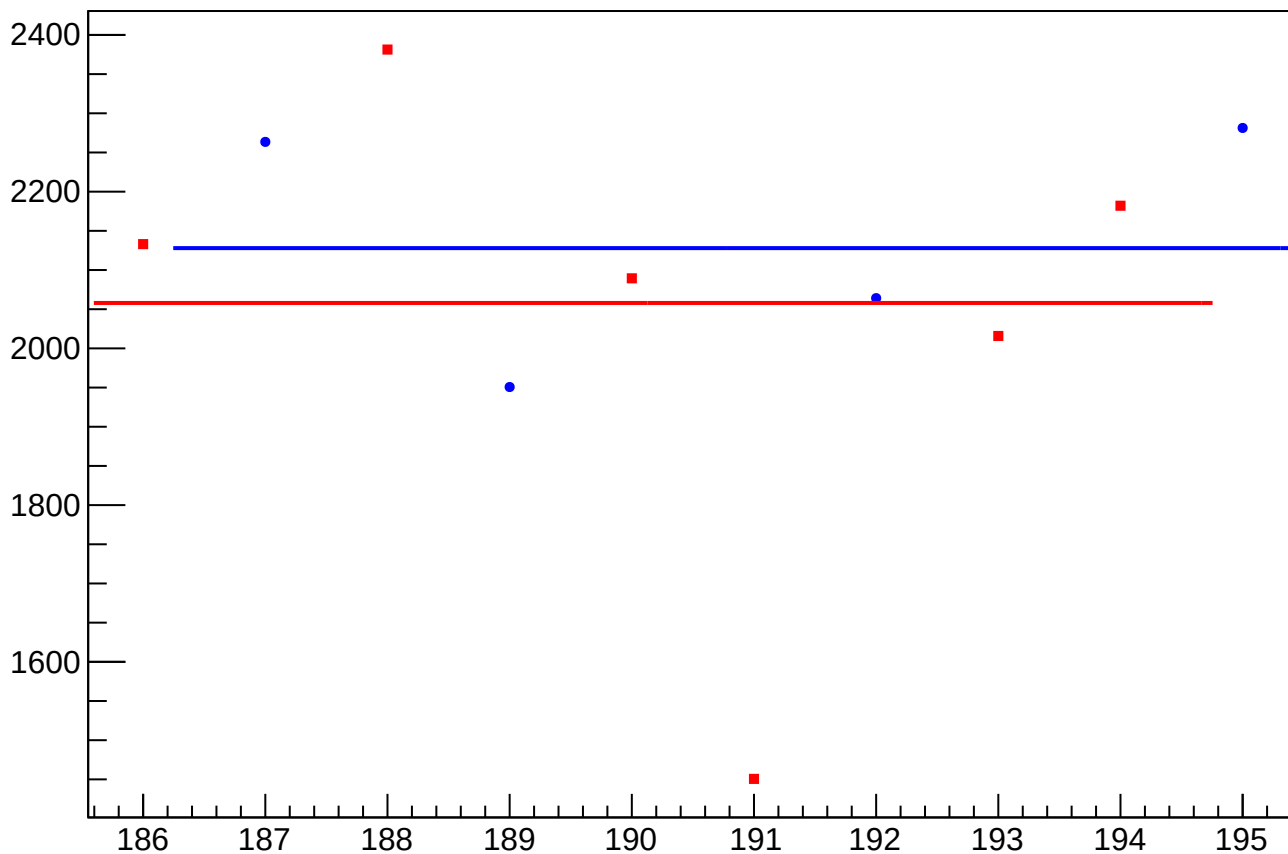
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -1262.177 $\pm$ 952.810  $\chi^2$ /NDF: 23.0/9

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

# asym\_at1\_avg\_rms vs Slug



Right In: 2127.953+/-1.100  $\chi^2/\text{NDF}$ : 17189.5/3

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

Right Out: 2057.973+/-0.852  $\chi^2/\text{NDF}$ : 87451.5/5

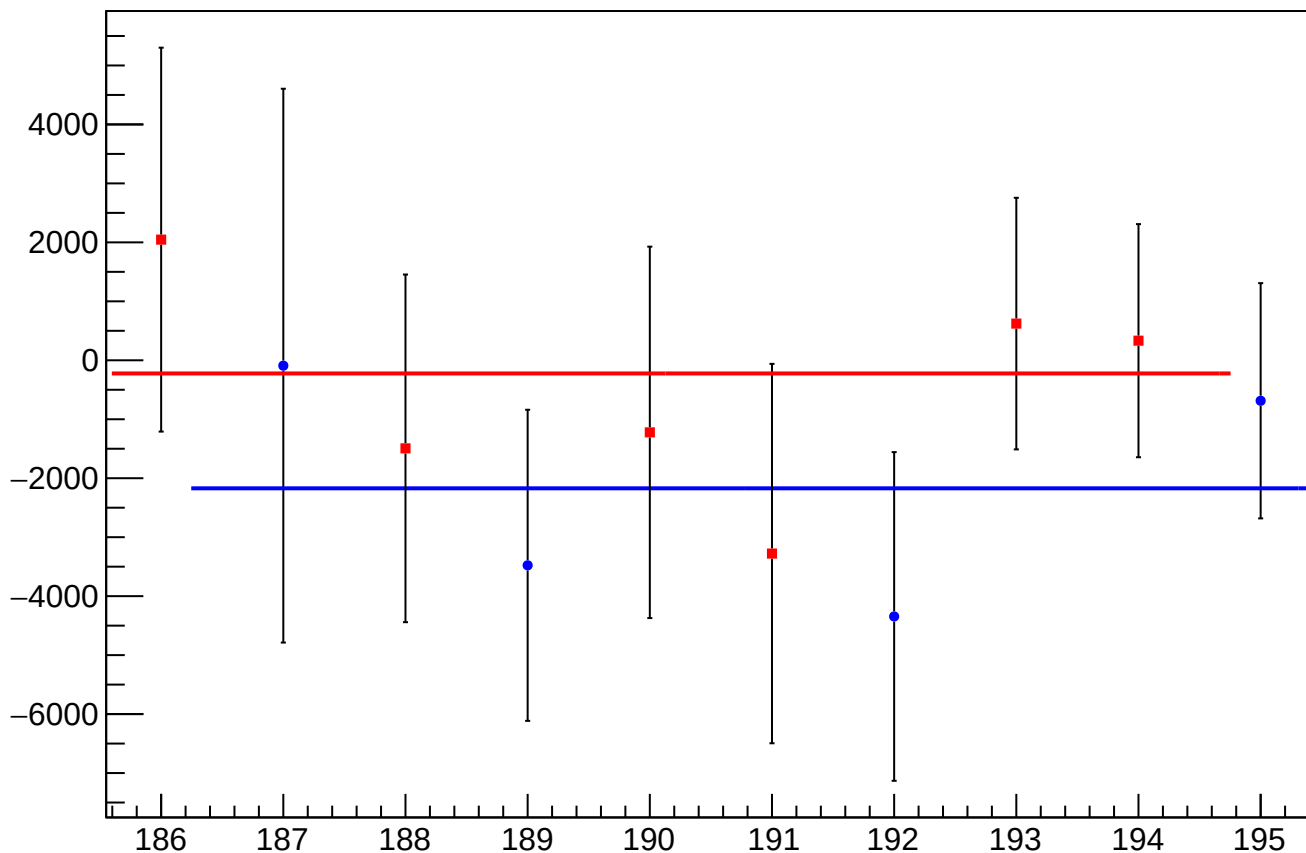
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2084.220+/-0.674  $\chi^2/\text{NDF}$ : 107169.8/9

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

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



Right In: -2171.189 $\pm$ 1325.630  $\chi^2$ /NDF: 1.6/3

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

Right Out: -223.084 $\pm$ 1064.537  $\chi^2$ /NDF: 1.9/5

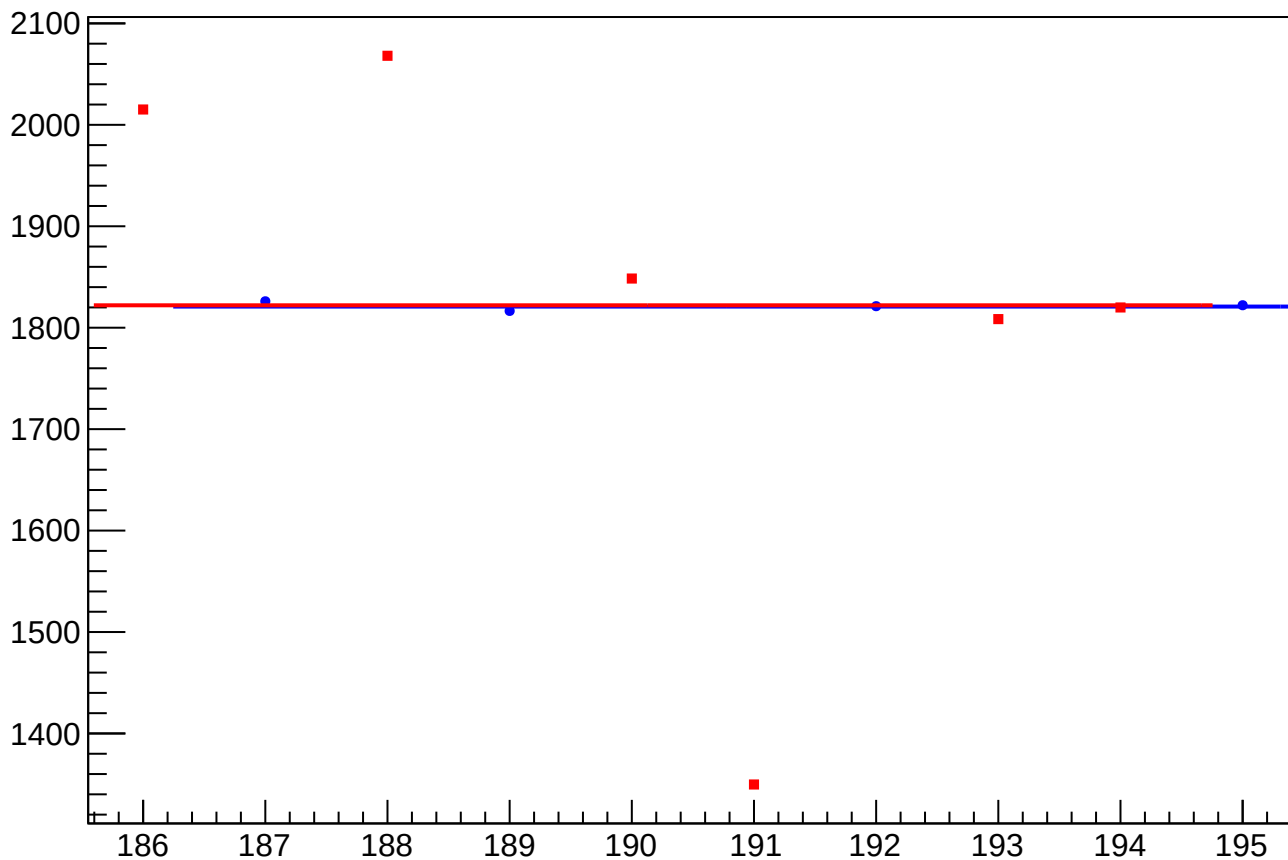
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -986.842 $\pm$ 830.031  $\chi^2$ /NDF: 4.8/9

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

dit\_asym\_at1\_dd\_rms vs Slug



Right In: 1820.838 $\pm$ 0.937  $\chi^2$ /NDF: 8.6/3

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

Right Out: 1822.088 $\pm$ 0.753  $\chi^2$ /NDF: 64299.4/5

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

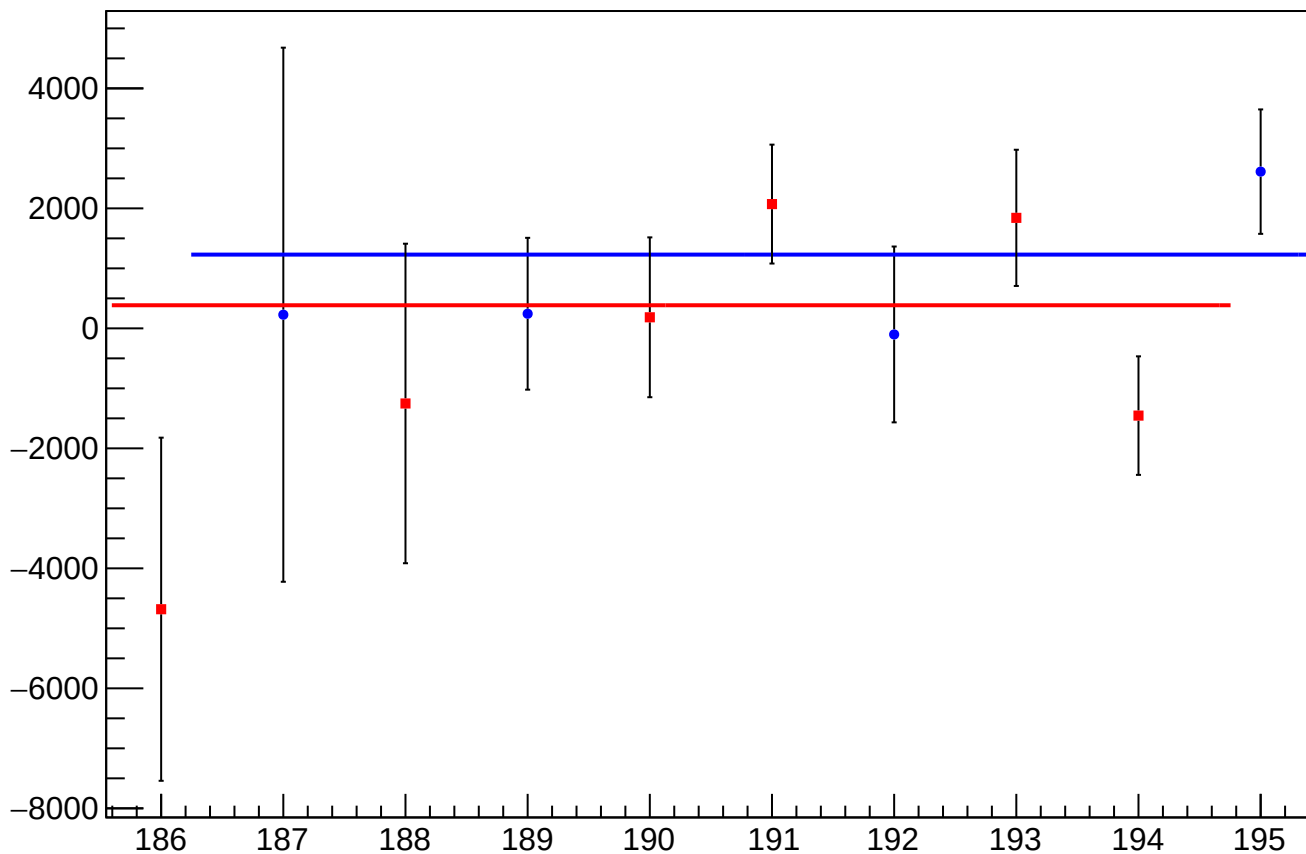
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1821.598 $\pm$ 0.587  $\chi^2$ /NDF: 64309.1/9

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



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



Right In: 1229.450 $\pm$ 694.940  $\chi^2$ /NDF: 3.3/3

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

Right Out: 385.156 $\pm$ 523.697  $\chi^2$ /NDF: 11.5/5

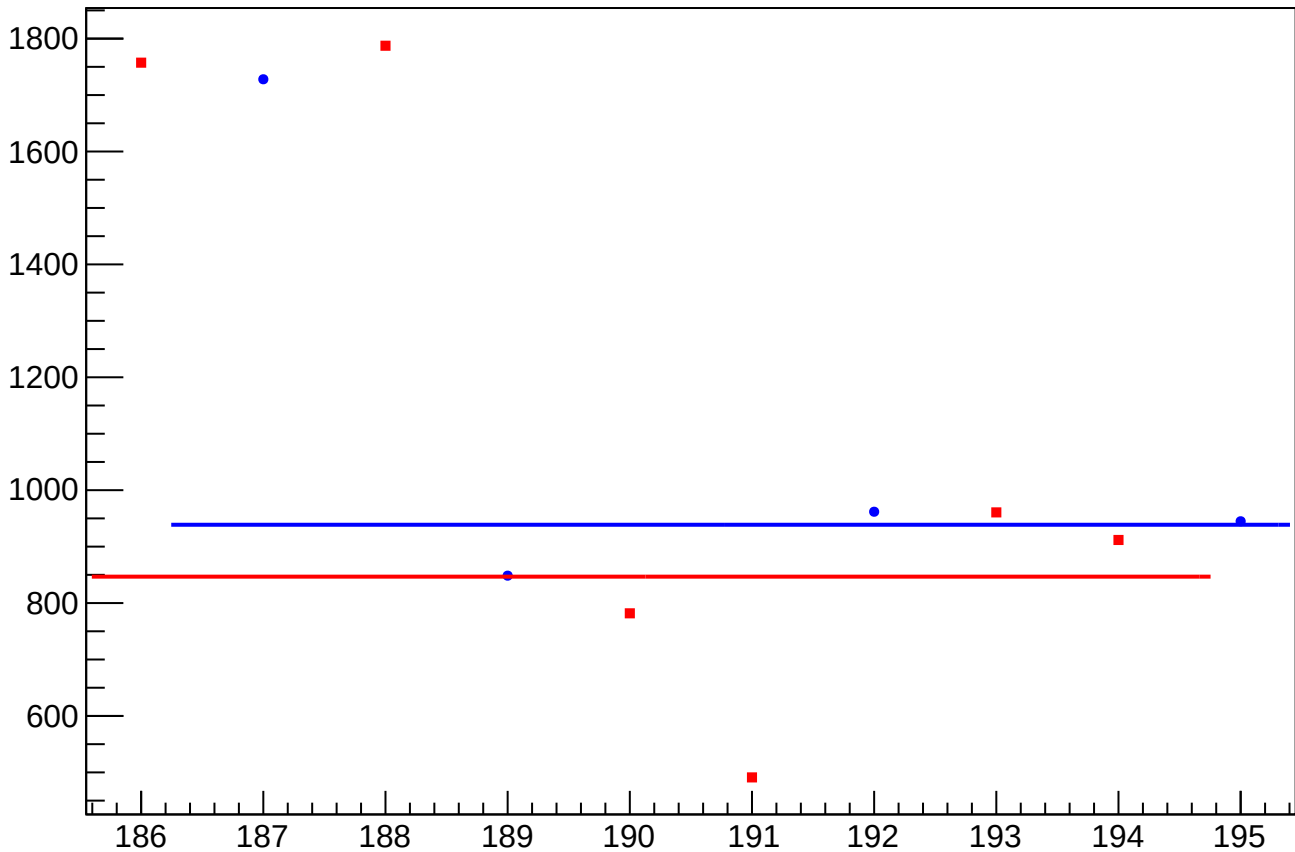
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 690.960 $\pm$ 418.237  $\chi^2$ /NDF: 15.8/9

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

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



Right In: 938.732 $\pm$ 0.491  $\chi^2$ /NDF: 73609.5/3

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

Right Out: 846.799 $\pm$ 0.370  $\chi^2$ /NDF: 743538.2/5

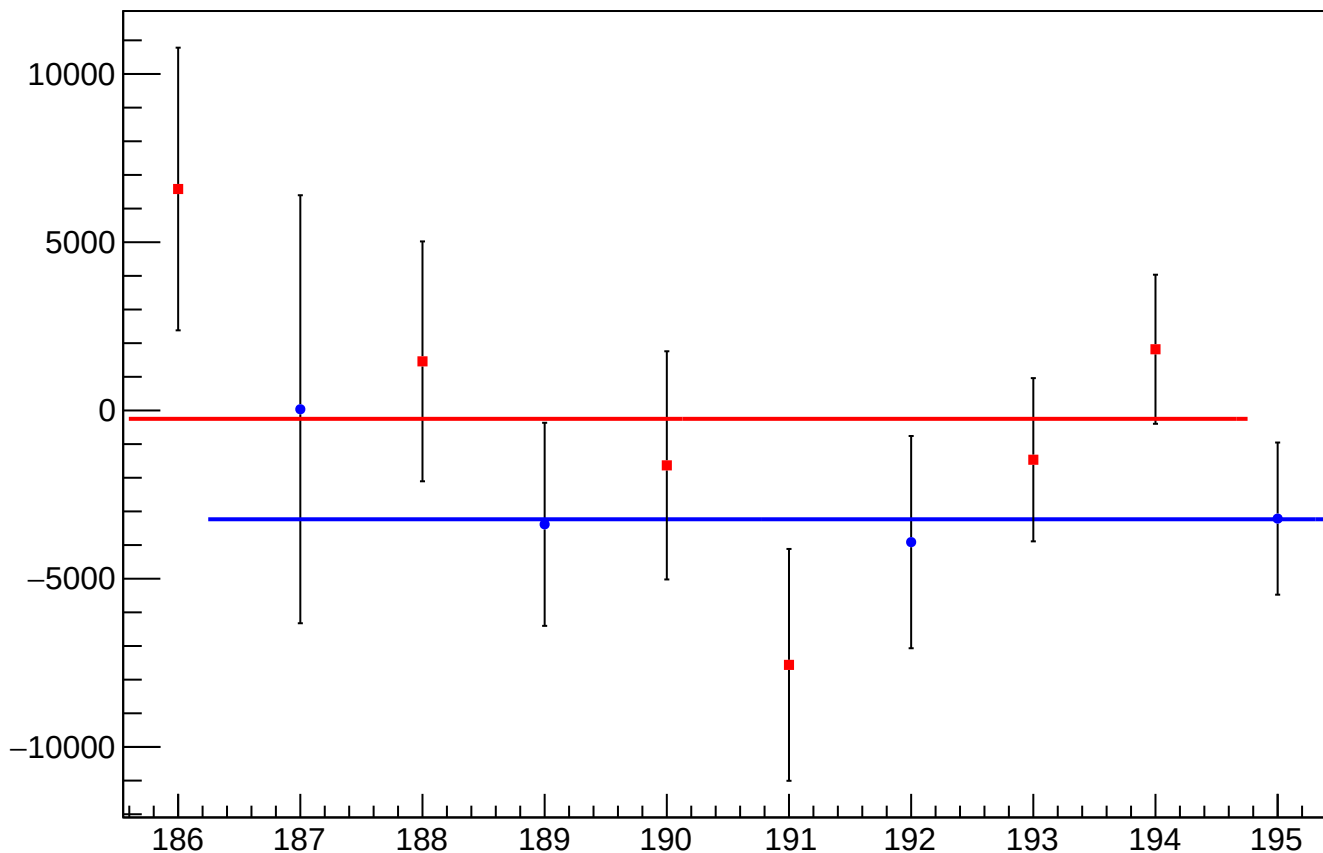
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 880.097 $\pm$ 0.296  $\chi^2$ /NDF: 839470.9/9

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

# asym\_at1\_dd\_mean vs Slug



Right In: -3233.741 $\pm$ 1523.753  $\chi^2$ /NDF: 0.3/3

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

Right Out: -248.793 $\pm$ 1212.394  $\chi^2$ /NDF: 8.7/5

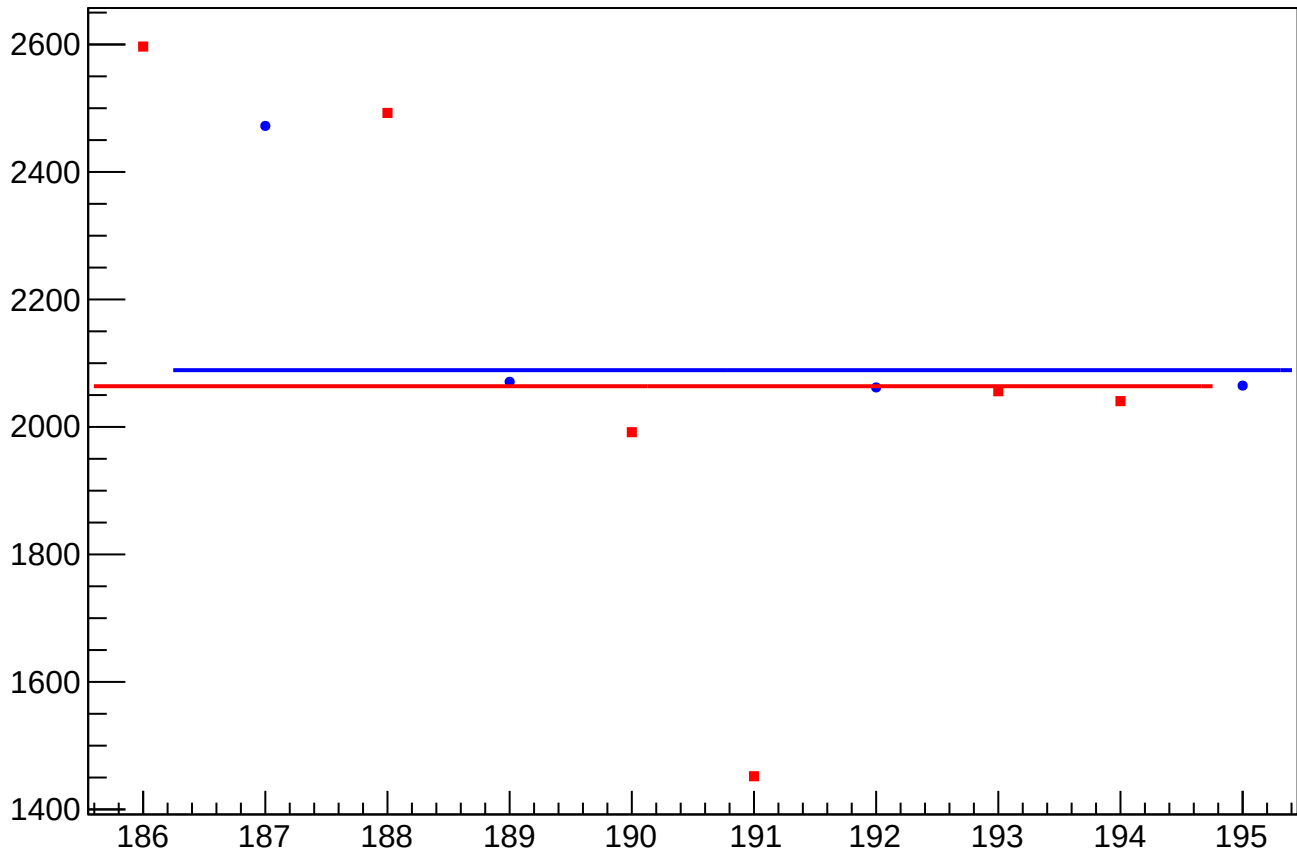
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -1405.938 $\pm$ 948.724  $\chi^2$ /NDF: 11.3/9

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

# asym\_at1\_dd\_rms vs Slug



Right In: 2089.078 $\pm$ 1.077  $\chi^2$ /NDF: 7710.1/3

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

Right Out: 2063.889 $\pm$ 0.857  $\chi^2$ /NDF: 125346.9/5

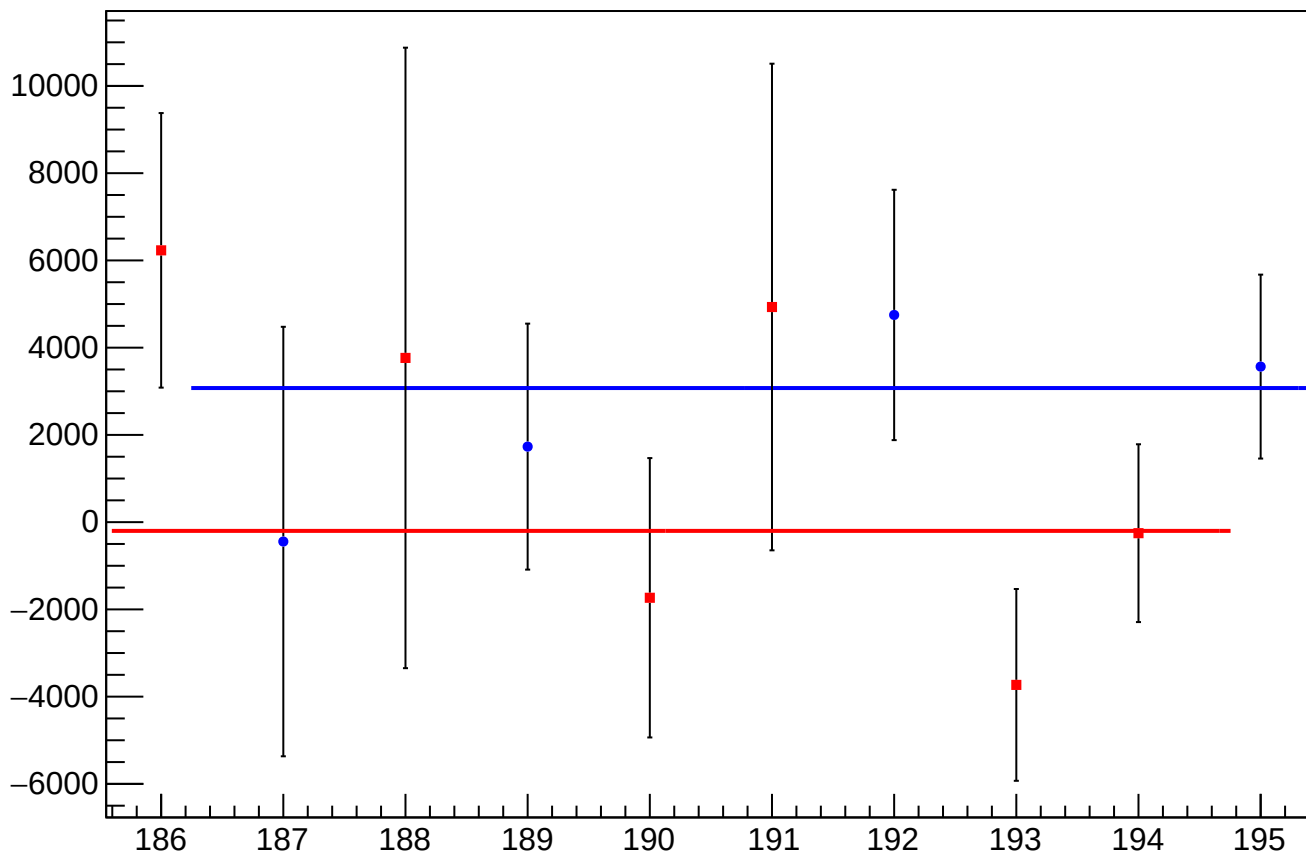
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2073.654 $\pm$ 0.671  $\chi^2$ /NDF: 133391.6/9

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

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



Right In: 3074.316 $\pm$ 1395.515  $\chi^2$ /NDF: 1.1/3

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

Right Out: -200.237 $\pm$ 1196.927  $\chi^2$ /NDF: 8.1/5

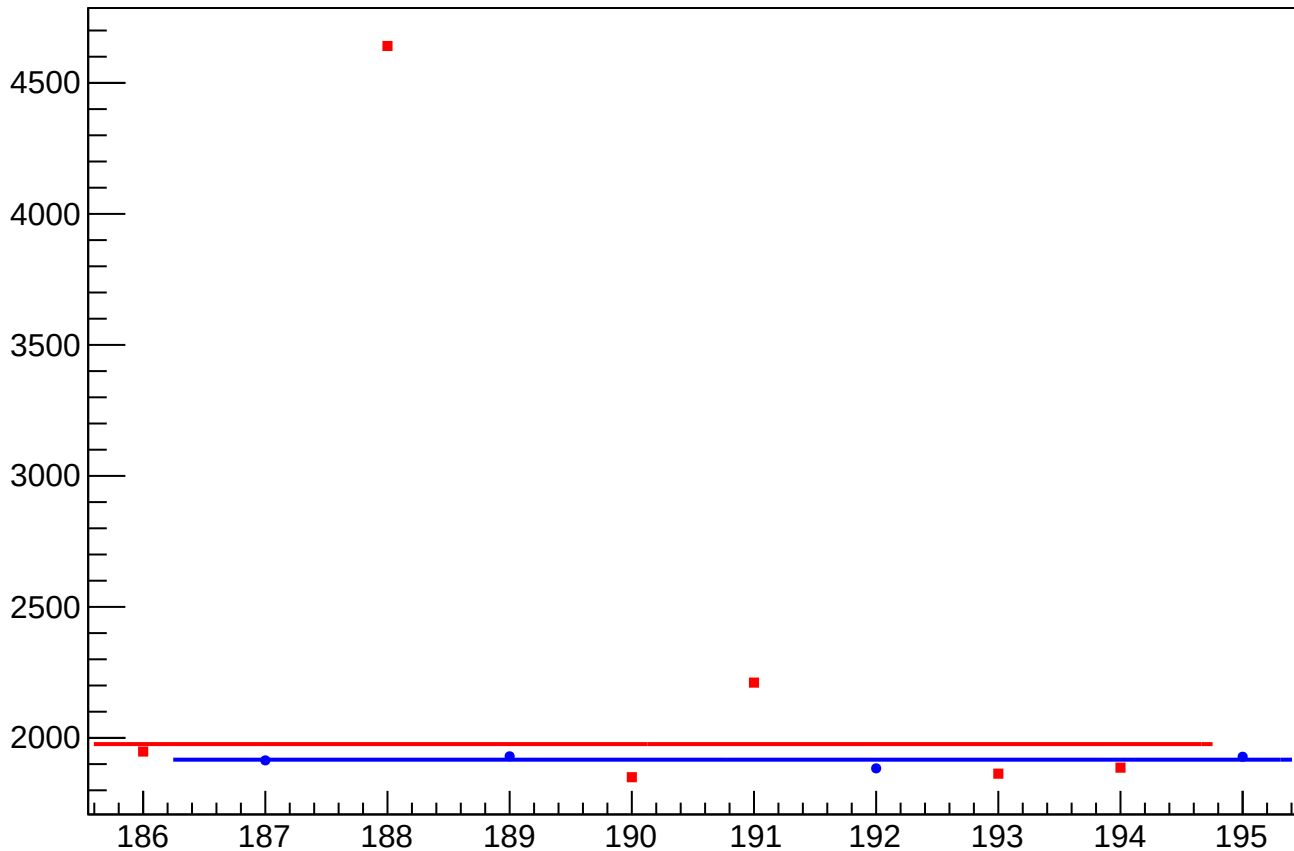
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1187.663 $\pm$ 908.527  $\chi^2$ /NDF: 12.4/9

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

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



Right In: 1916.904 $\pm$ 0.987  $\chi^2$ /NDF: 363.9/3

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

Right Out: 1976.388 $\pm$ 0.846  $\chi^2$ /NDF: 296695.1/5

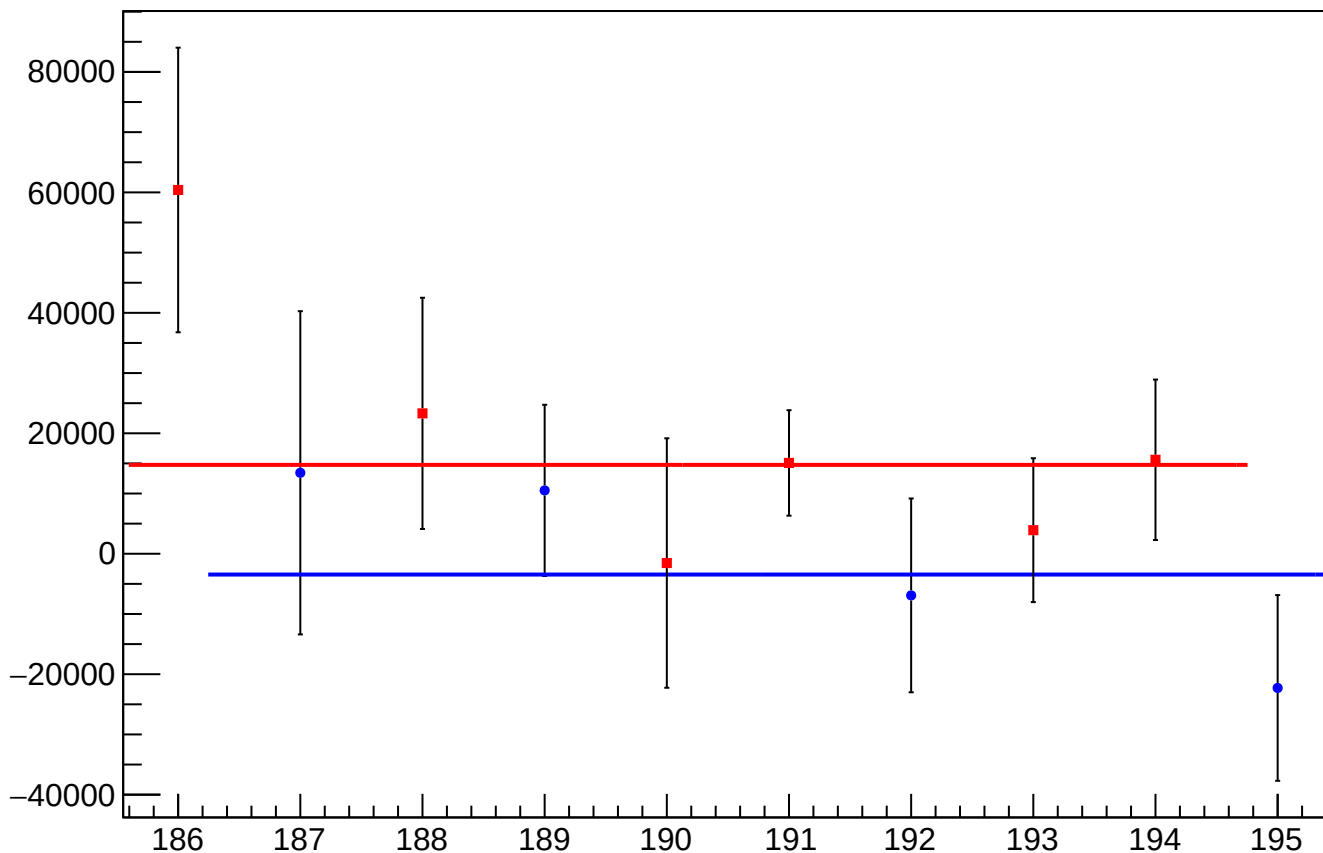
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1951.176 $\pm$ 0.642  $\chi^2$ /NDF: 299152.6/9

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

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



Right In: -3453.215+/-8331.317  $\chi^2/\text{NDF}$ : 2.9/3

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

Right Out: 14755.492+/-5544.830  $\chi^2/\text{NDF}$ : 5.4/5

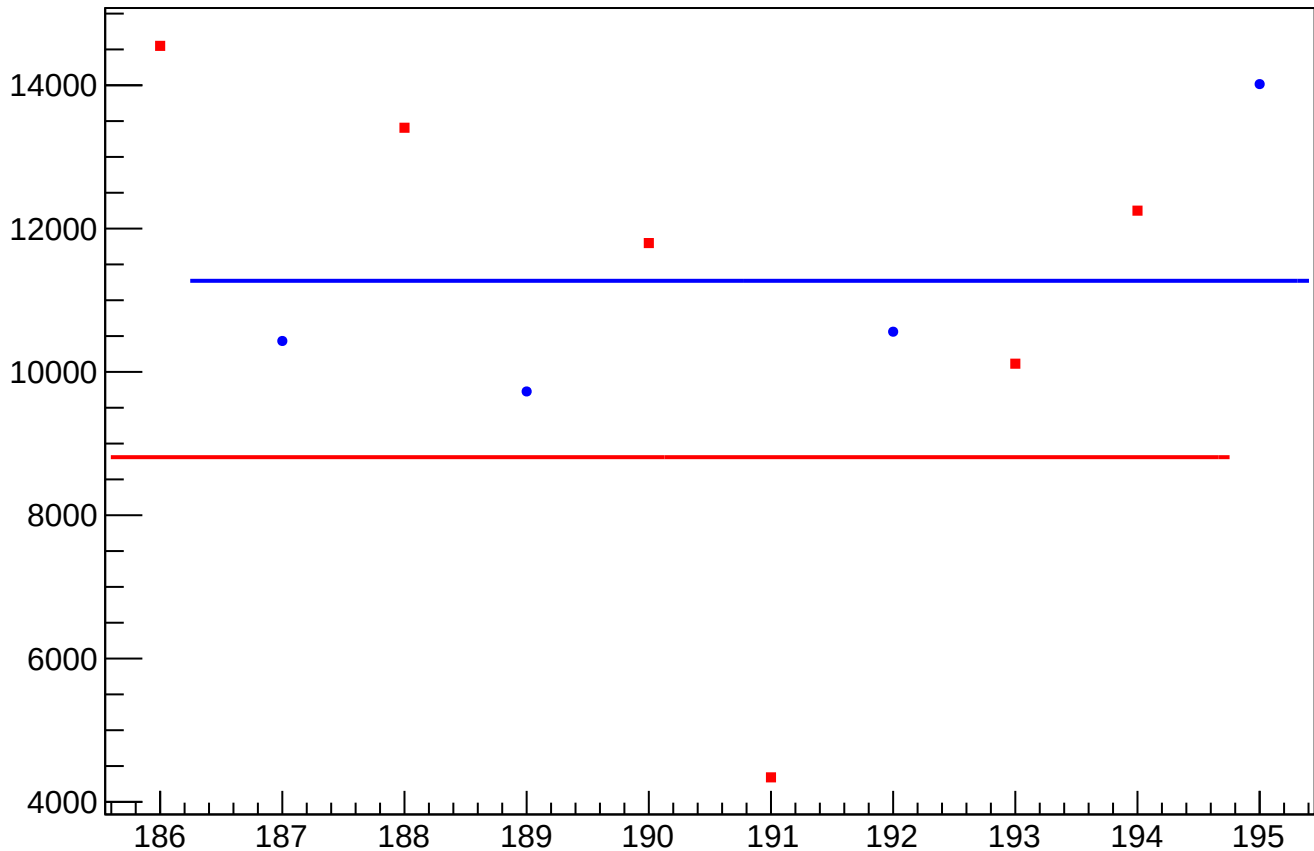
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 9165.919+/-4615.975  $\chi^2/\text{NDF}$ : 11.6/9

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

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



Right In: 11271.310 $\pm$ 5.891  $\chi^2$ /NDF: 92851.0/3

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

Right Out: 8810.145 $\pm$ 3.921  $\chi^2$ /NDF: 952283.3/5

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

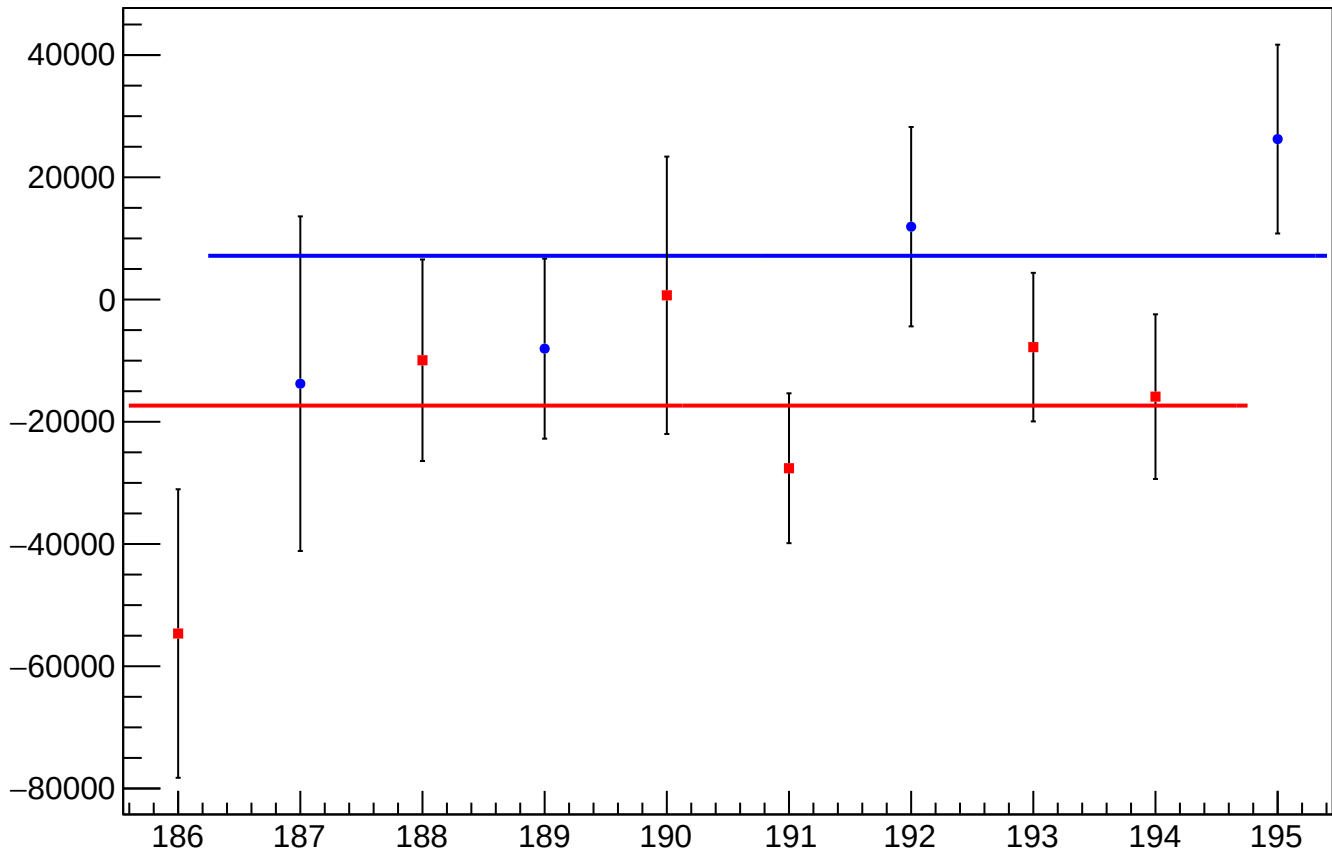
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 9565.655 $\pm$ 3.264  $\chi^2$ /NDF: 1166092.2/9

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



# asym\_at2\_avg\_mean vs Slug



Right In: 7158.396 $\pm$ 8484.115  $\chi^2$ /NDF: 3.3/3

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

Right Out: -17351.139 $\pm$ 6160.607  $\chi^2$ /NDF: 4.7/5

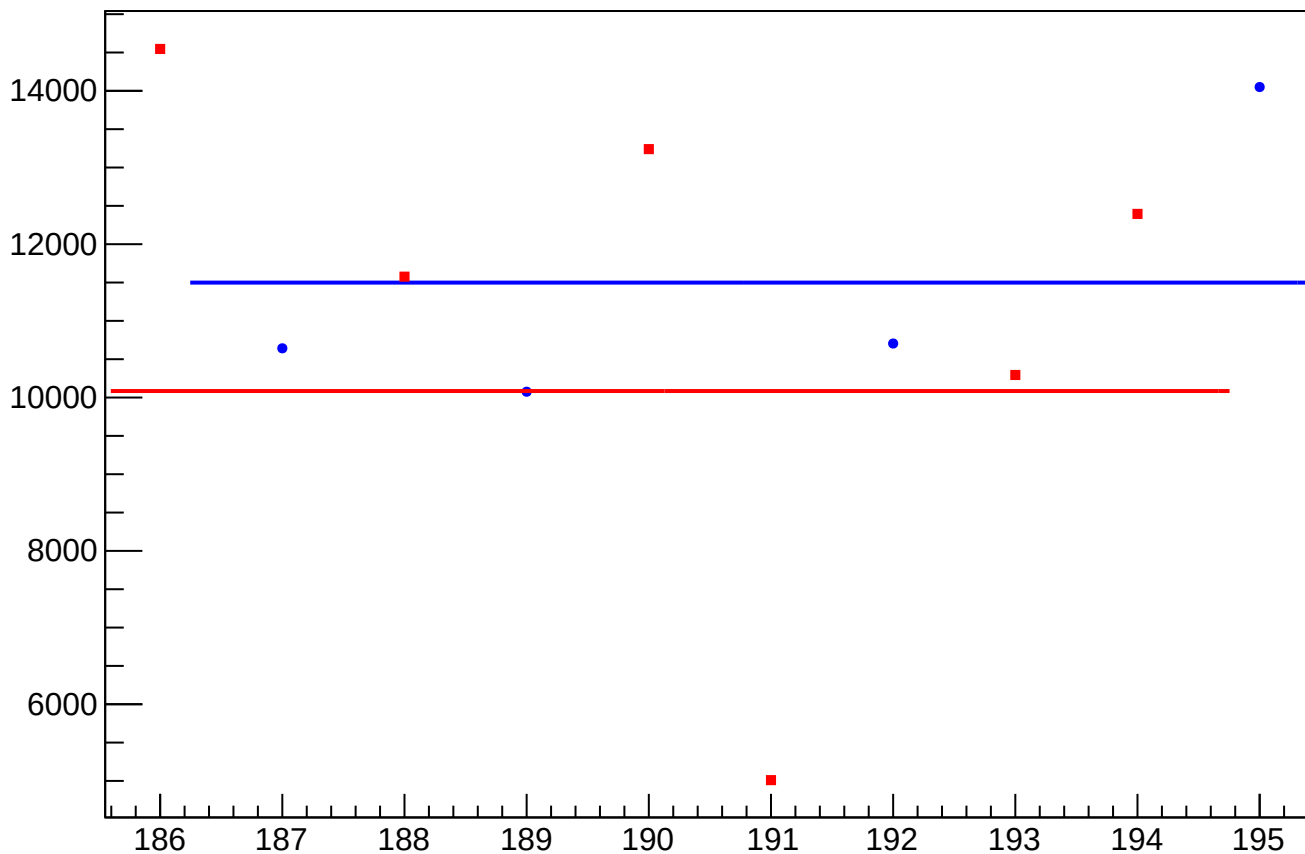
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -8889.532 $\pm$ 4985.003  $\chi^2$ /NDF: 13.4/9

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

# asym\_at2\_avg\_rms vs Slug



Right In: 11499.090 $\pm$ 5.999  $\chi^2$ /NDF: 79898.1/3

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

Right Out: 10084.899 $\pm$ 4.356  $\chi^2$ /NDF: 528598.0/5

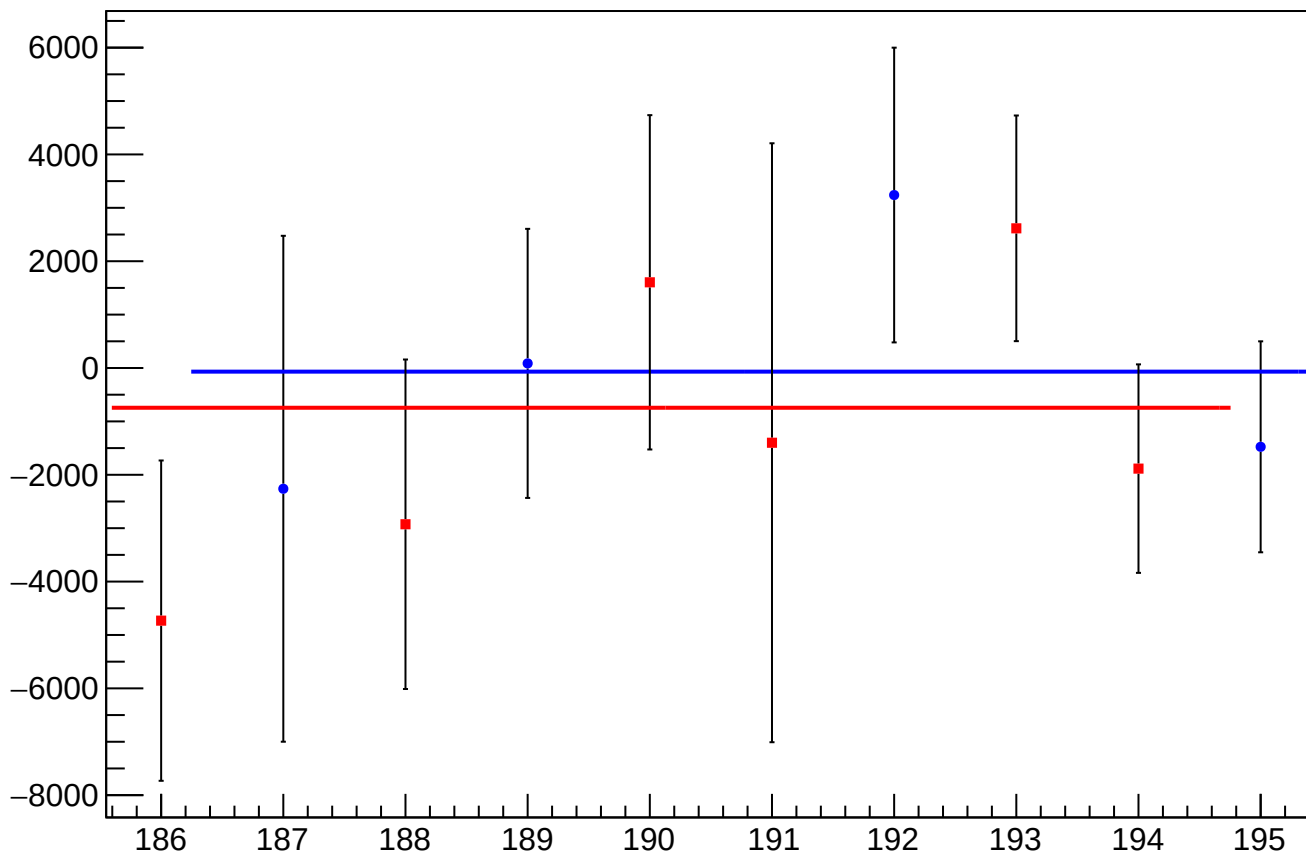
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 10573.123 $\pm$ 3.525  $\chi^2$ /NDF: 644880.9/9

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

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



Right In: -68.058 $\pm$ 1302.405  $\chi^2$ /NDF: 2.2/3

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

Right Out: -744.436 $\pm$ 1093.539  $\chi^2$ /NDF: 5.7/5

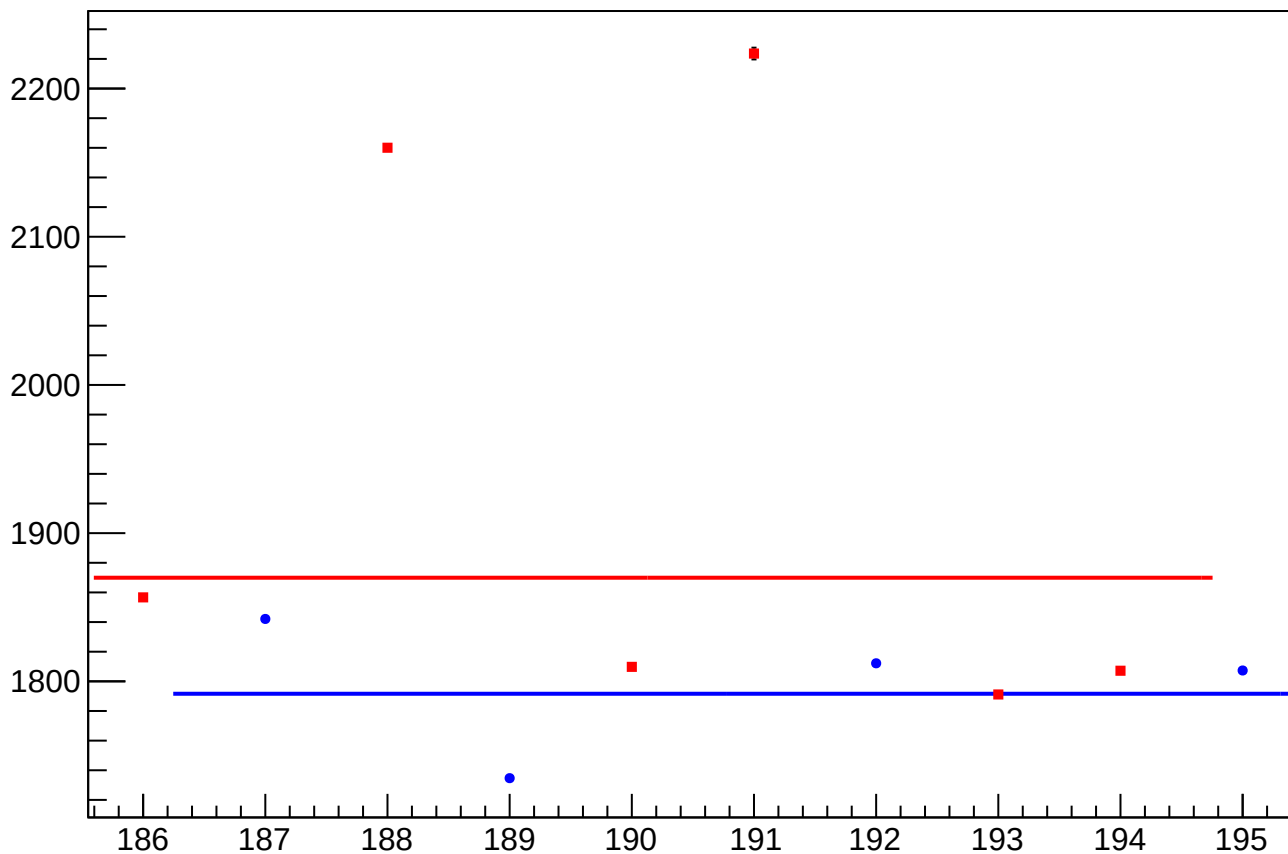
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -464.765 $\pm$ 837.481  $\chi^2$ /NDF: 8.0/9

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

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



Right In: 1791.626 $\pm$ 0.921  $\chi^2$ /NDF: 1486.0/3

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

Right Out: 1869.925 $\pm$ 0.773  $\chi^2$ /NDF: 31261.0/5

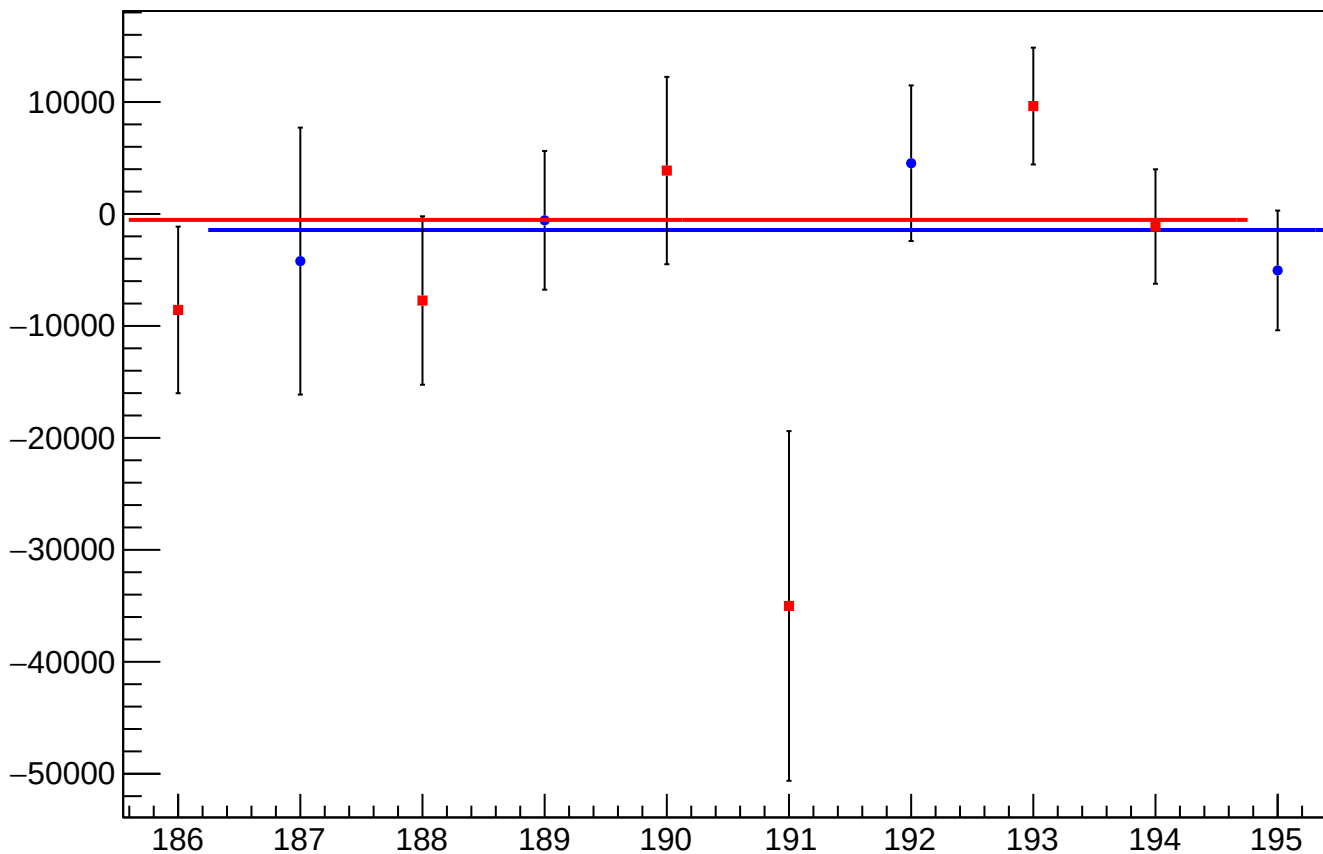
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1837.550 $\pm$ 0.592  $\chi^2$ /NDF: 36986.7/9

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

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



Right In: -1430.420+/-3355.746  $\chi^2$ /NDF: 1.3/3

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

Right Out: -527.965+/-2782.446  $\chi^2$ /NDF: 11.1/5

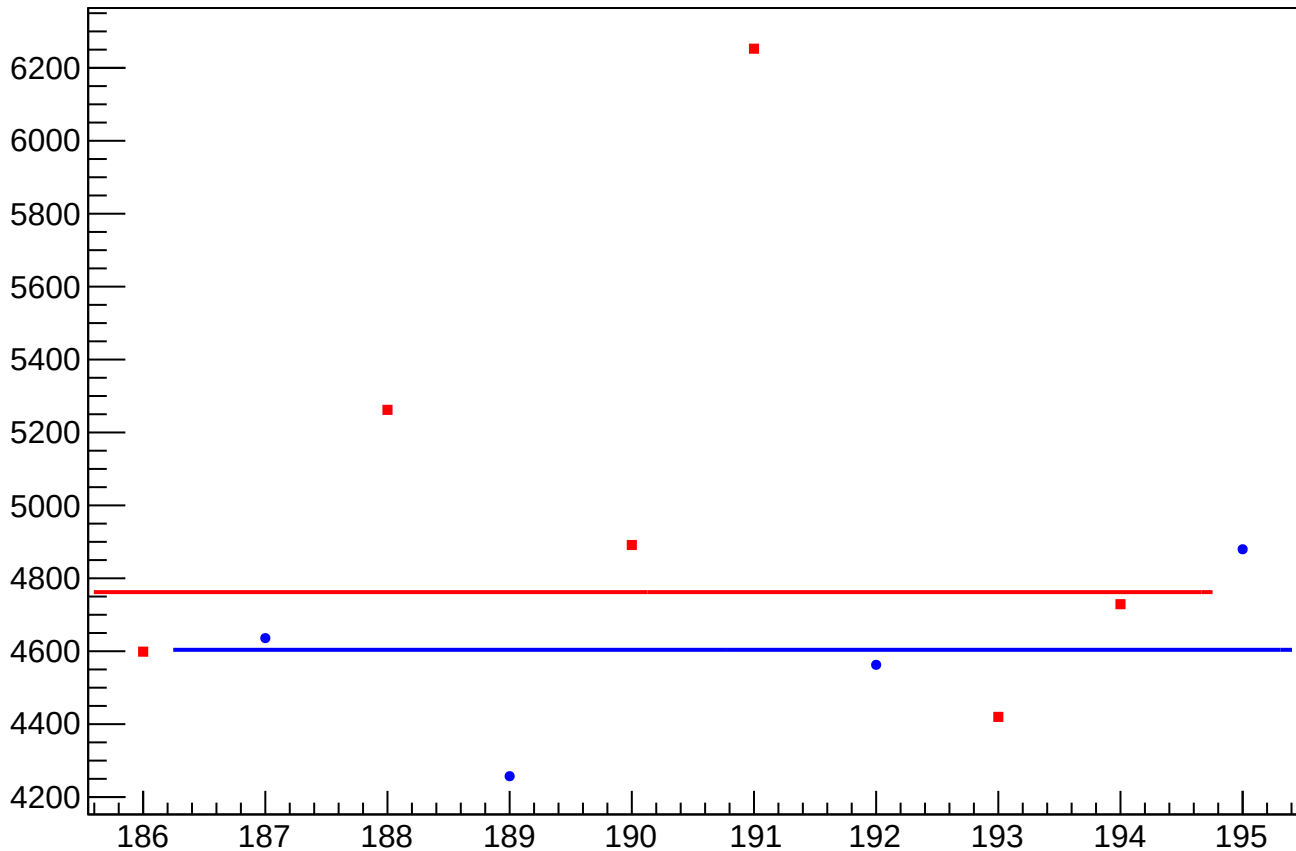
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

All: -895.633+/-2141.925  $\chi^2$ /NDF: 12.4/9

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

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



Right In: 4603.883 $\pm$ 2.373  $\chi^2$ /NDF: 11672.7/3

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

Right Out: 4762.122 $\pm$ 1.967  $\chi^2$ /NDF: 37196.6/5

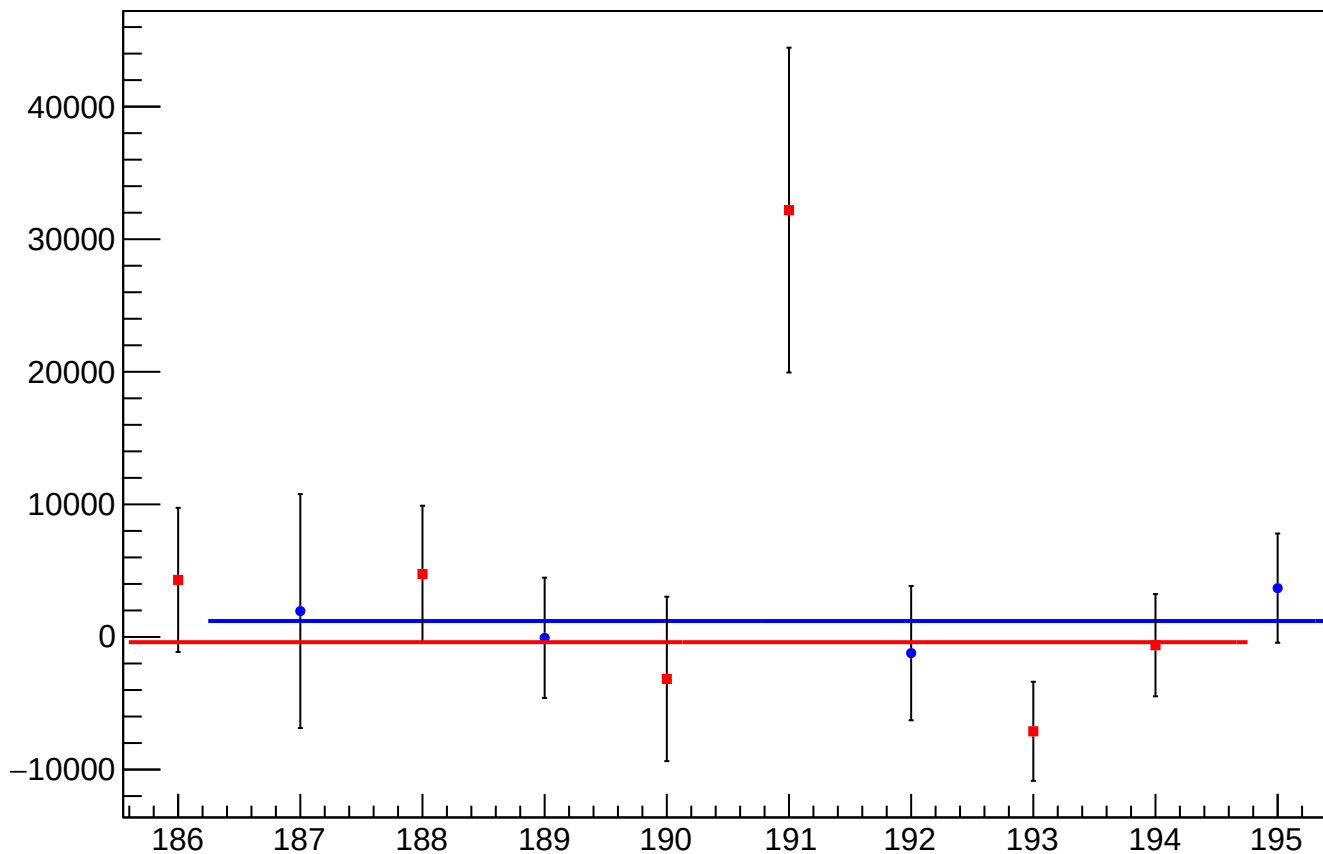
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 4697.655 $\pm$ 1.515  $\chi^2$ /NDF: 51504.6/9

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

# asym\_at2\_dd\_mean vs Slug



Right In: 1202.306 $\pm$ 2505.335  $\chi^2$ /NDF: 0.7/3

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

Right Out: -392.861 $\pm$ 2027.814  $\chi^2$ /NDF: 12.3/5

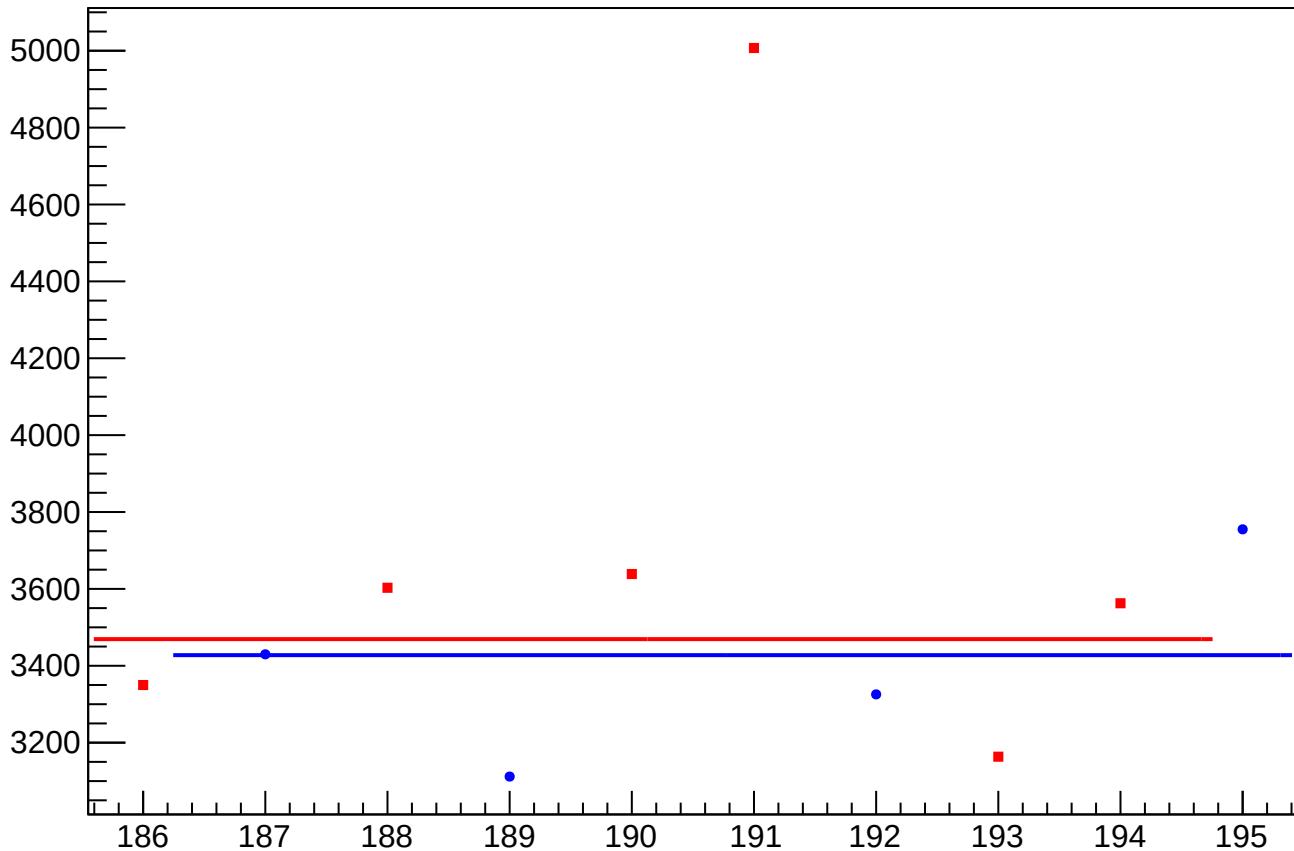
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 238.532 $\pm$ 1576.205  $\chi^2$ /NDF: 13.2/9

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

# asym\_at2\_dd\_rms vs Slug



Right In: 3427.649+/-1.772  $\chi^2/\text{NDF}$ : 23133.8/3

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

Right Out: 3469.286+/-1.434  $\chi^2/\text{NDF}$ : 49904.9/5

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

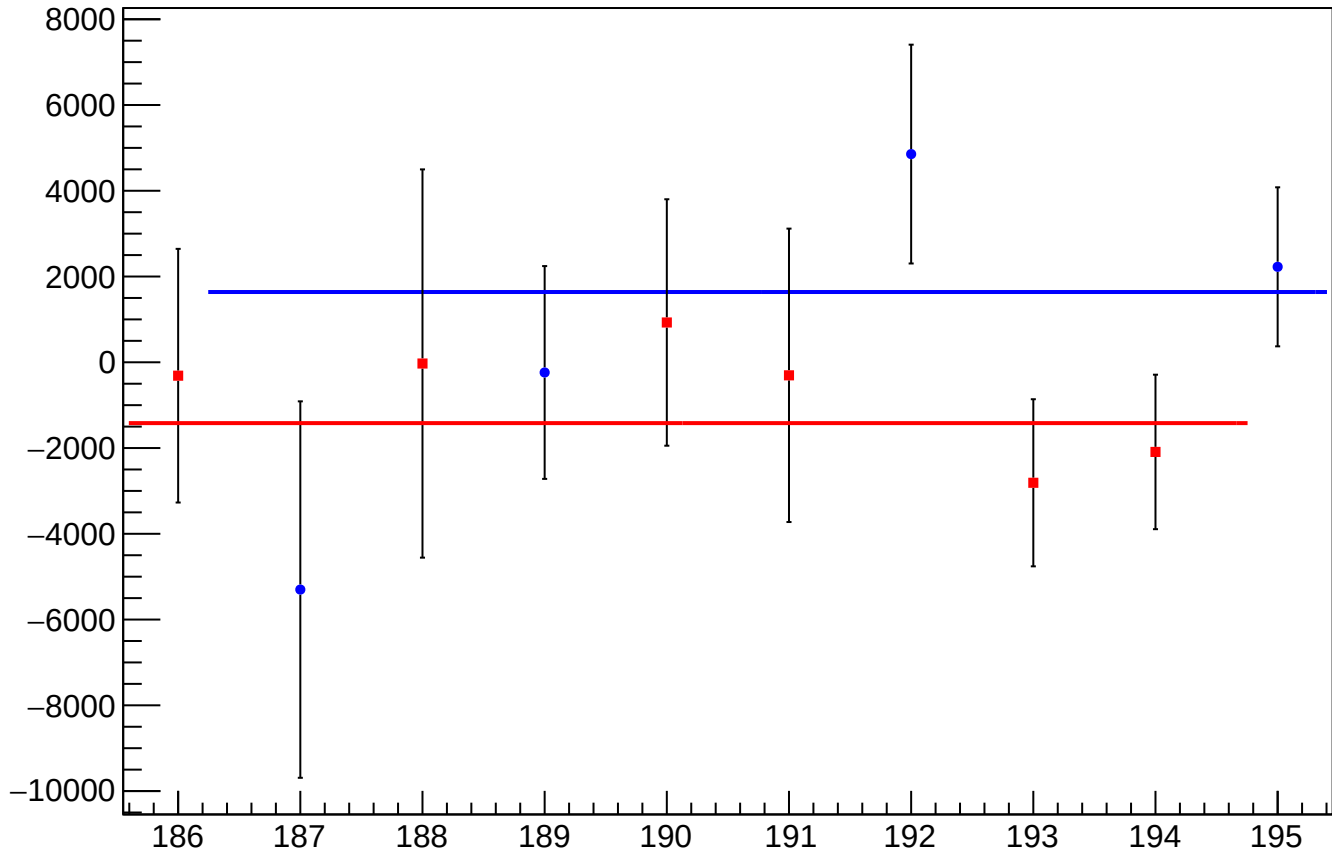
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3452.805+/-1.115  $\chi^2/\text{NDF}$ : 73372.4/9

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



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



Right In: 1638.831+/-1232.153  $\chi^2/\text{NDF}$ : 4.8/3

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

Right Out: -1418.695+/-1030.821  $\chi^2/\text{NDF}$ : 1.7/5

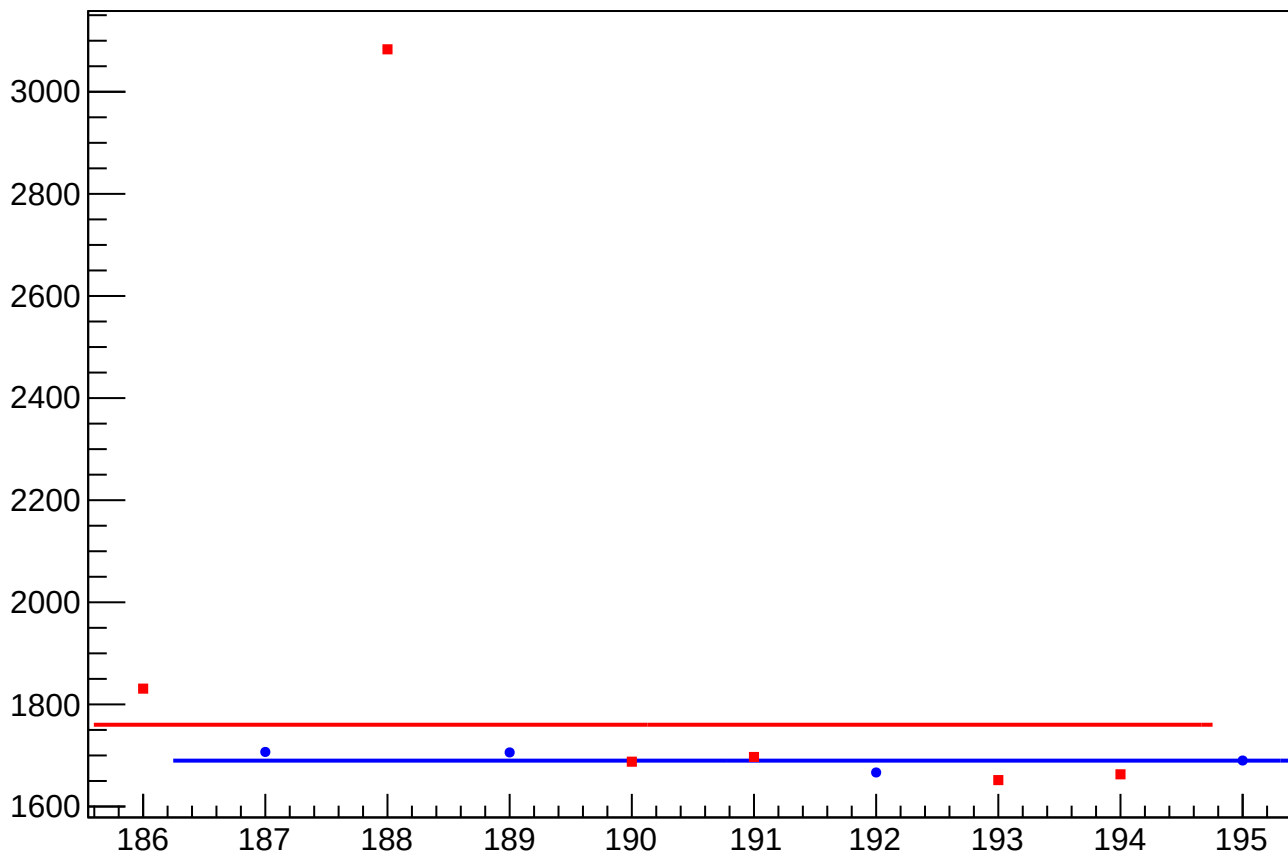
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -159.818+/-790.627  $\chi^2/\text{NDF}$ : 10.0/9

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

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



Right In: 1689.857+/-0.871  $\chi^2/\text{NDF}$ : 279.1/3

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

Right Out: 1760.168+/-0.729  $\chi^2/\text{NDF}$ : 185887.8/5

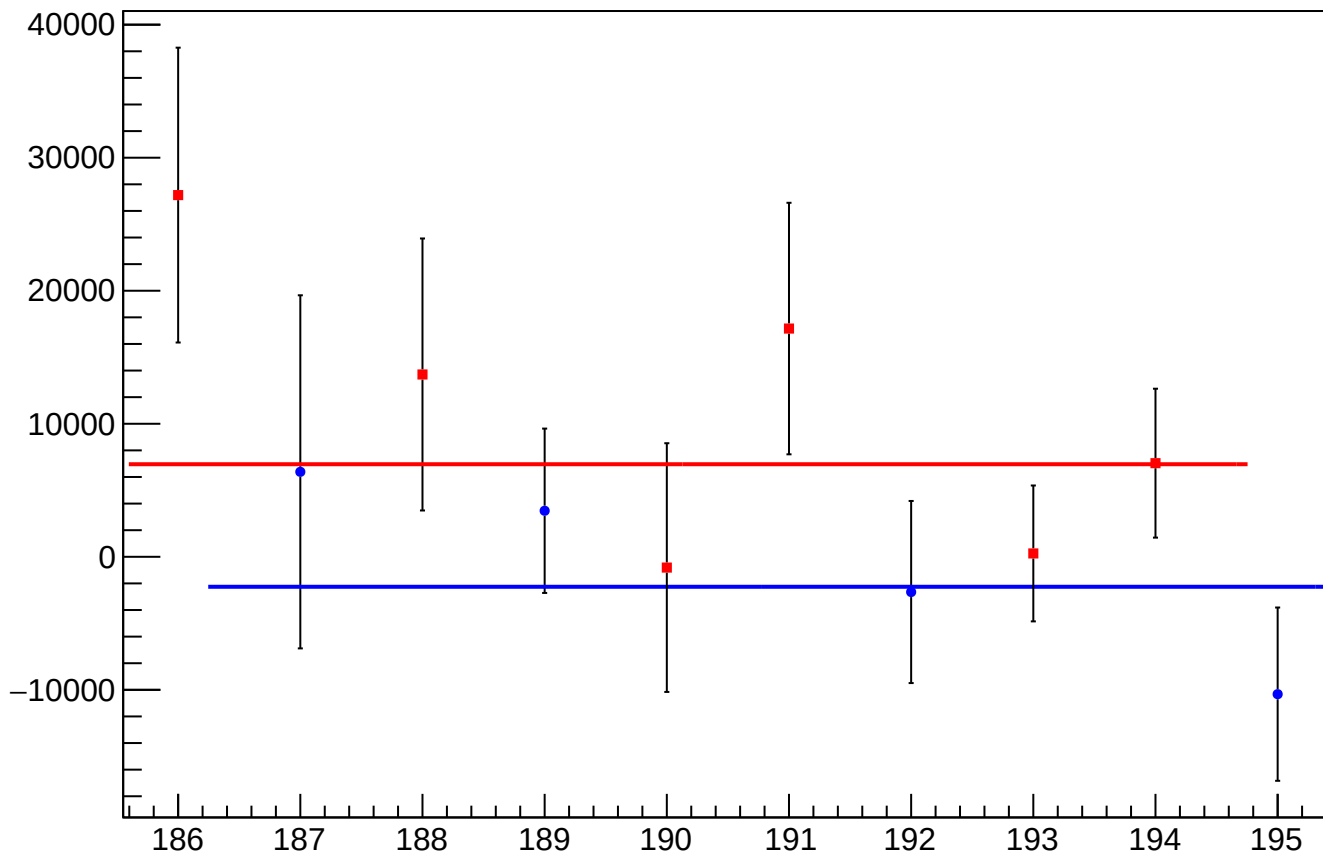
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1731.219+/-0.559  $\chi^2/\text{NDF}$ : 189997.9/9

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

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



Right In: -2252.600+/-3608.265  $\chi^2/\text{NDF}$ : 2.8/3

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

Right Out: 6958.569+/-3006.960  $\chi^2/\text{NDF}$ : 7.3/5

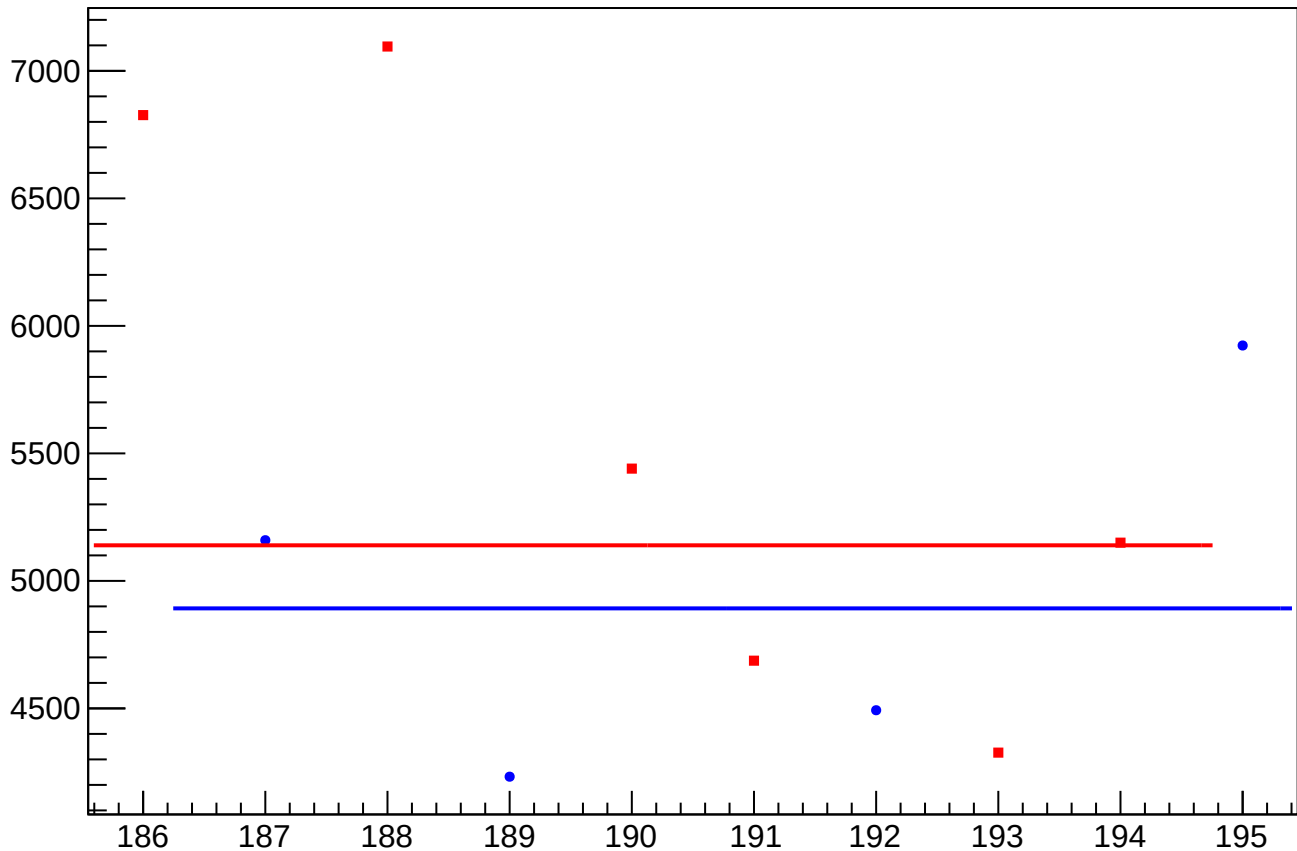
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 3183.393+/-2309.988  $\chi^2/\text{NDF}$ : 14.0/9

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

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



Right In: 4892.233+/-2.551  $\chi^2/\text{NDF}$ : 80560.4/3

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

Right Out: 5139.548+/-2.126  $\chi^2/\text{NDF}$ : 176882.1/5

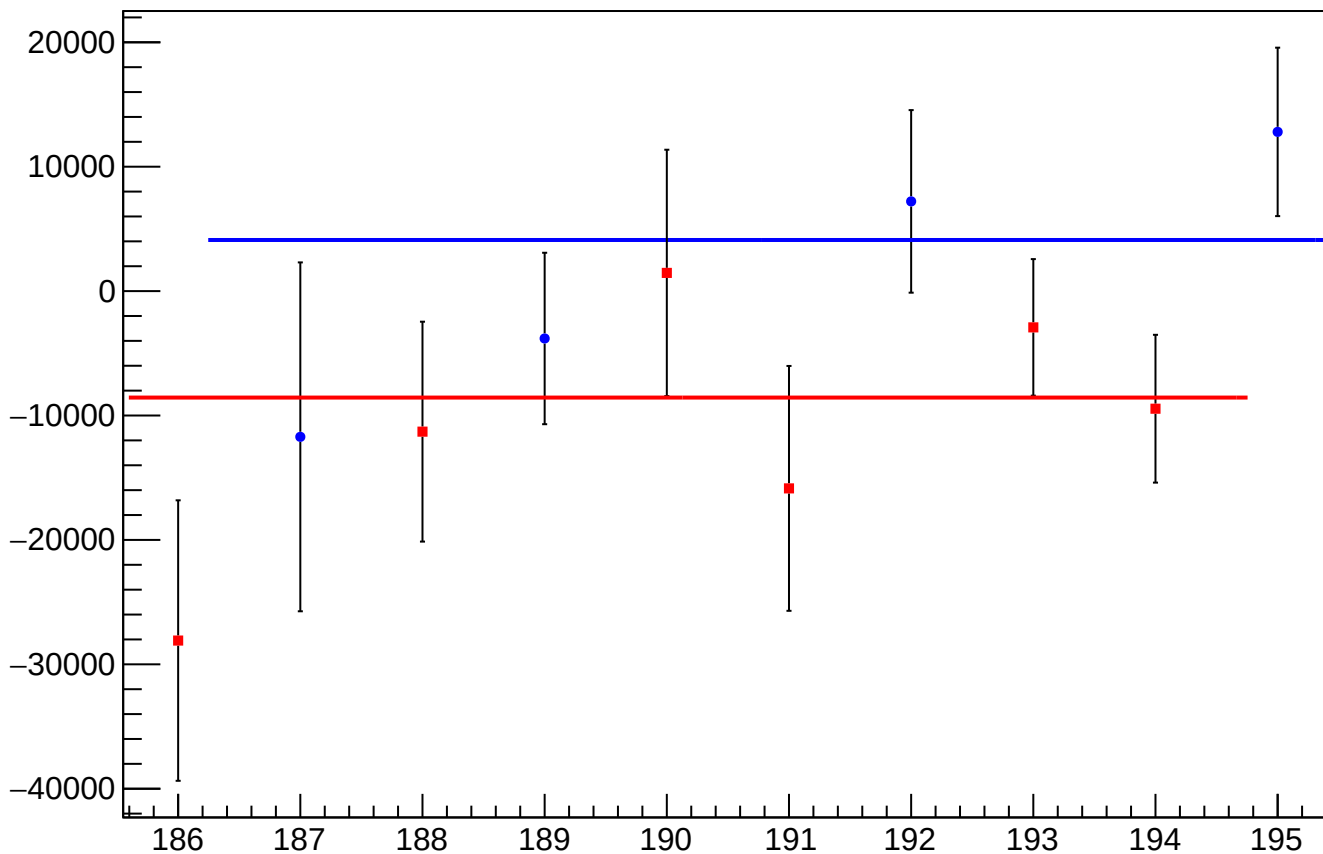
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5038.186+/-1.633  $\chi^2/\text{NDF}$ : 262987.4/9

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

# asym\_atl\_avg\_mean vs Slug



Right In: 4108.879+/-3876.665  $\chi^2/\text{NDF}$ : 4.4/3

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

Right Out: -8557.540+/-3119.940  $\chi^2/\text{NDF}$ : 5.8/5

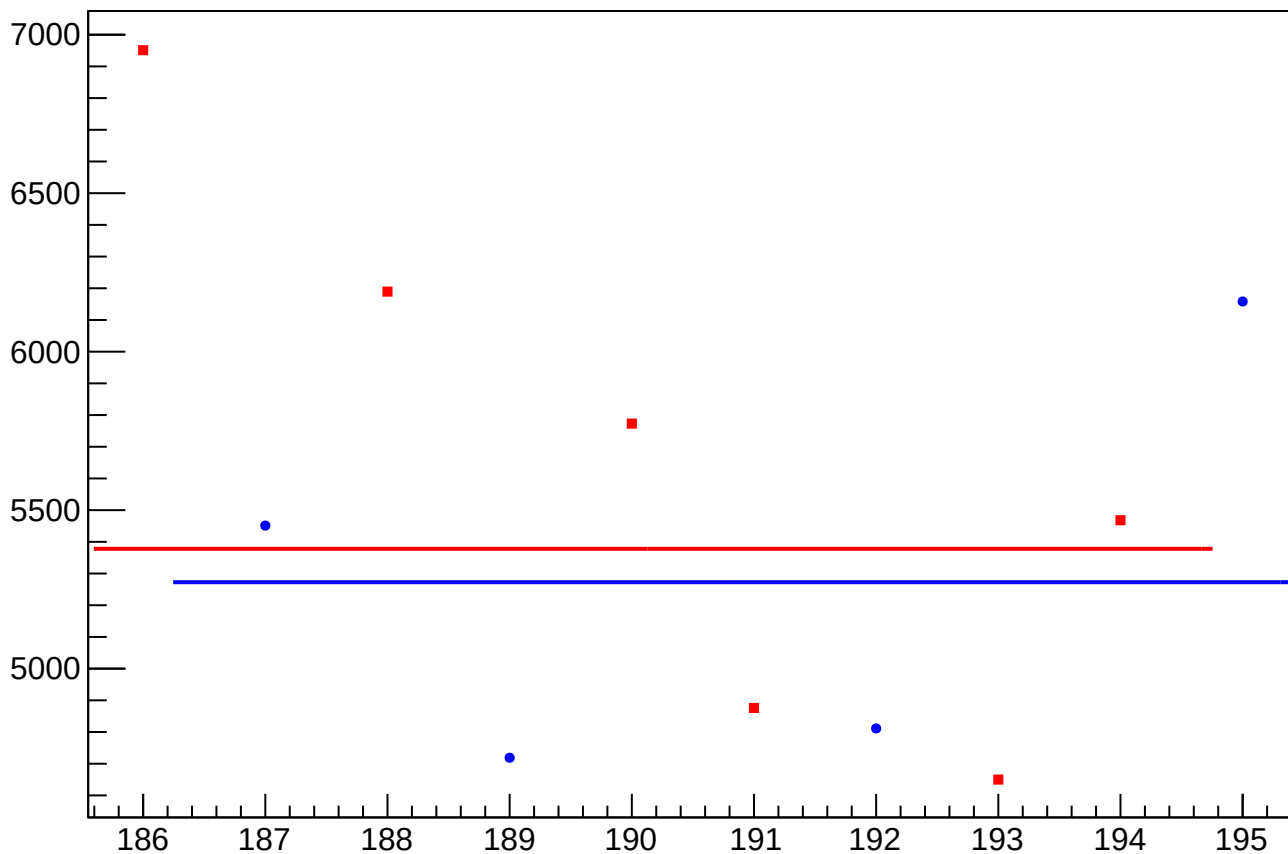
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -3578.441+/-2430.562  $\chi^2/\text{NDF}$ : 16.7/9

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

# asym\_atl\_avg\_rms vs Slug



Right In: 5272.669 $\pm$ 2.741  $\chi^2$ /NDF: 55388.7/3

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

Right Out: 5378.023 $\pm$ 2.206  $\chi^2$ /NDF: 99850.8/5

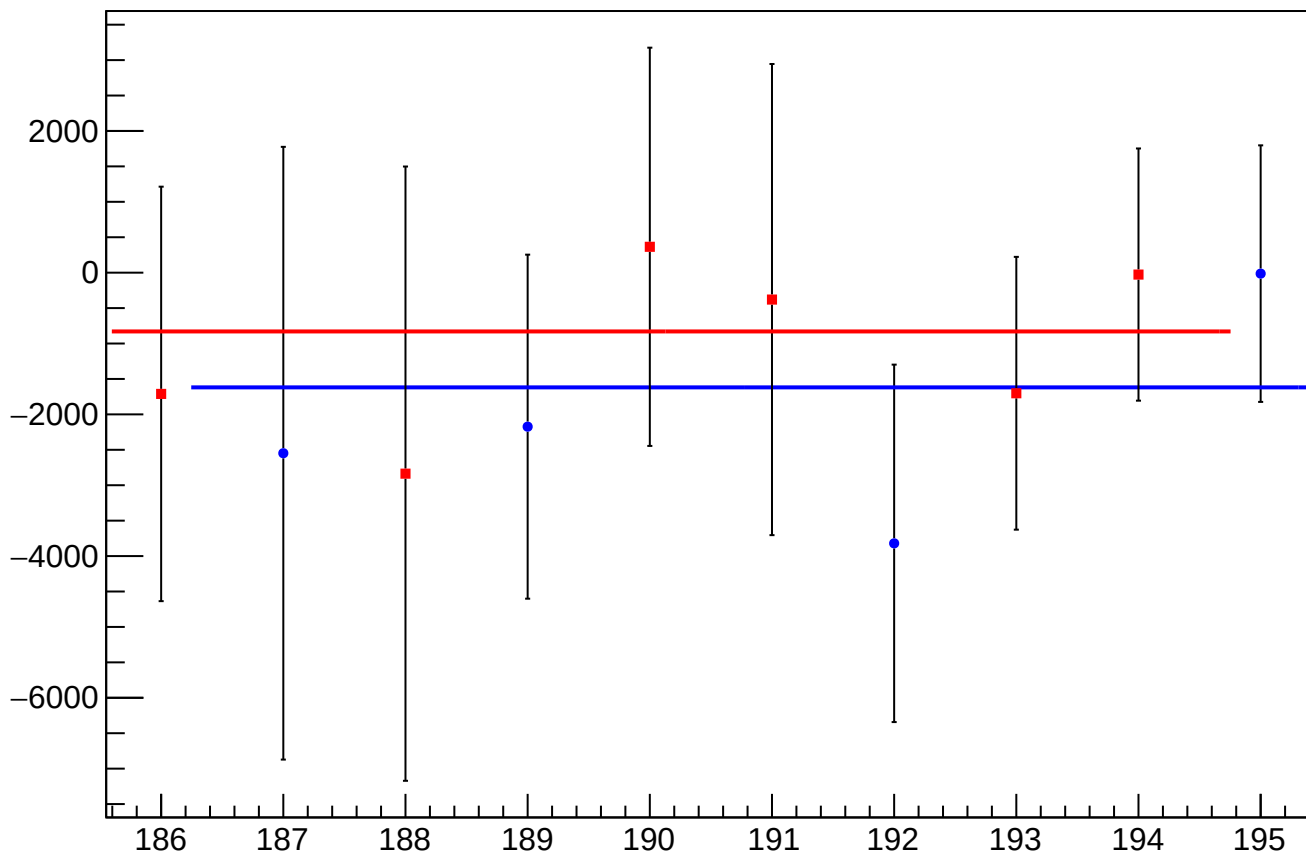
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 5336.609 $\pm$ 1.719  $\chi^2$ /NDF: 156135.9/9

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

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



Right In:  $-1618.941 \pm 1207.906$   $\chi^2/\text{NDF}$ : 1.6/3

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

Right Out:  $-829.522 \pm 1013.922$   $\chi^2/\text{NDF}$ : 0.9/5

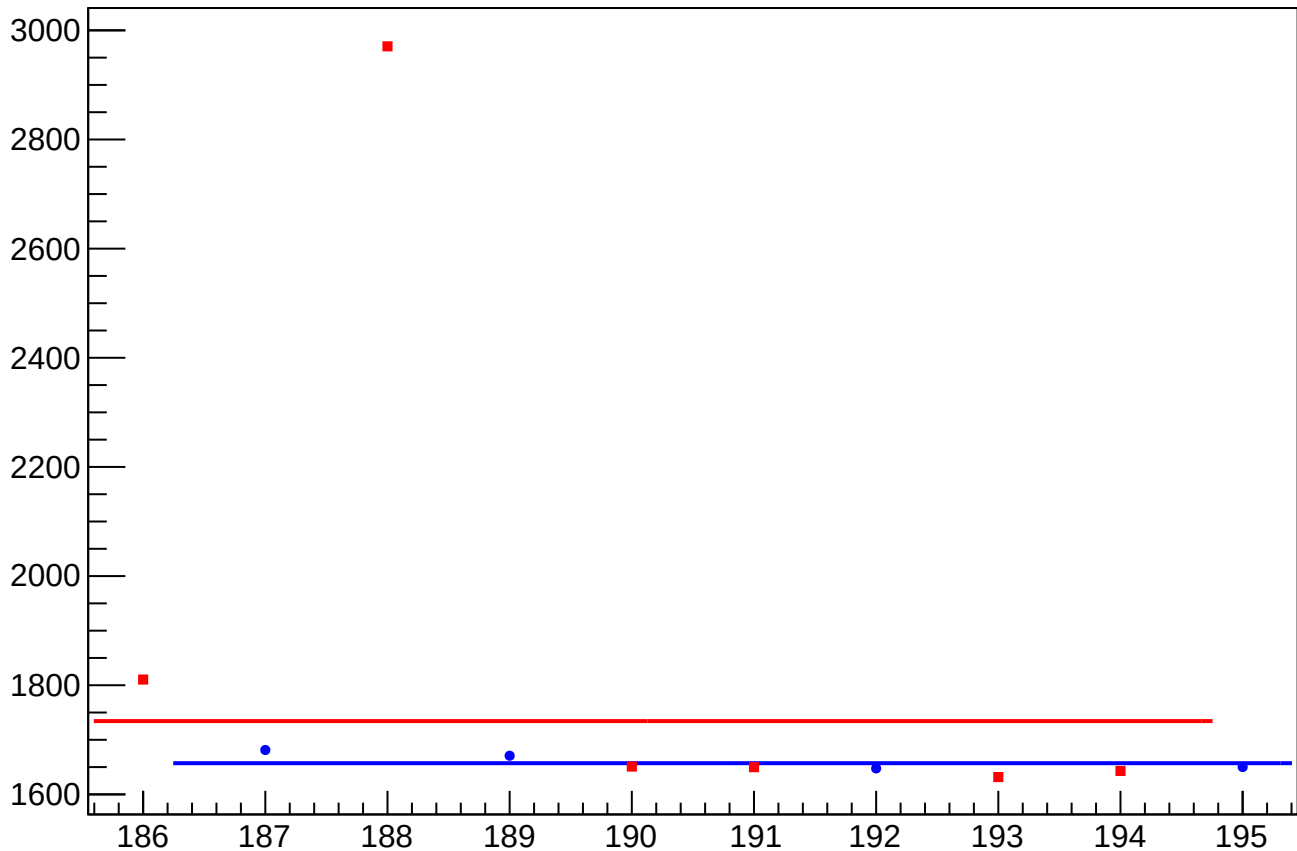
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-1155.830 \pm 776.593$   $\chi^2/\text{NDF}$ : 2.8/9

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

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



Right In: 1657.145 $\pm$ 0.854  $\chi^2$ /NDF: 183.7/3

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

Right Out: 1734.301 $\pm$ 0.717  $\chi^2$ /NDF: 178039.3/5

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

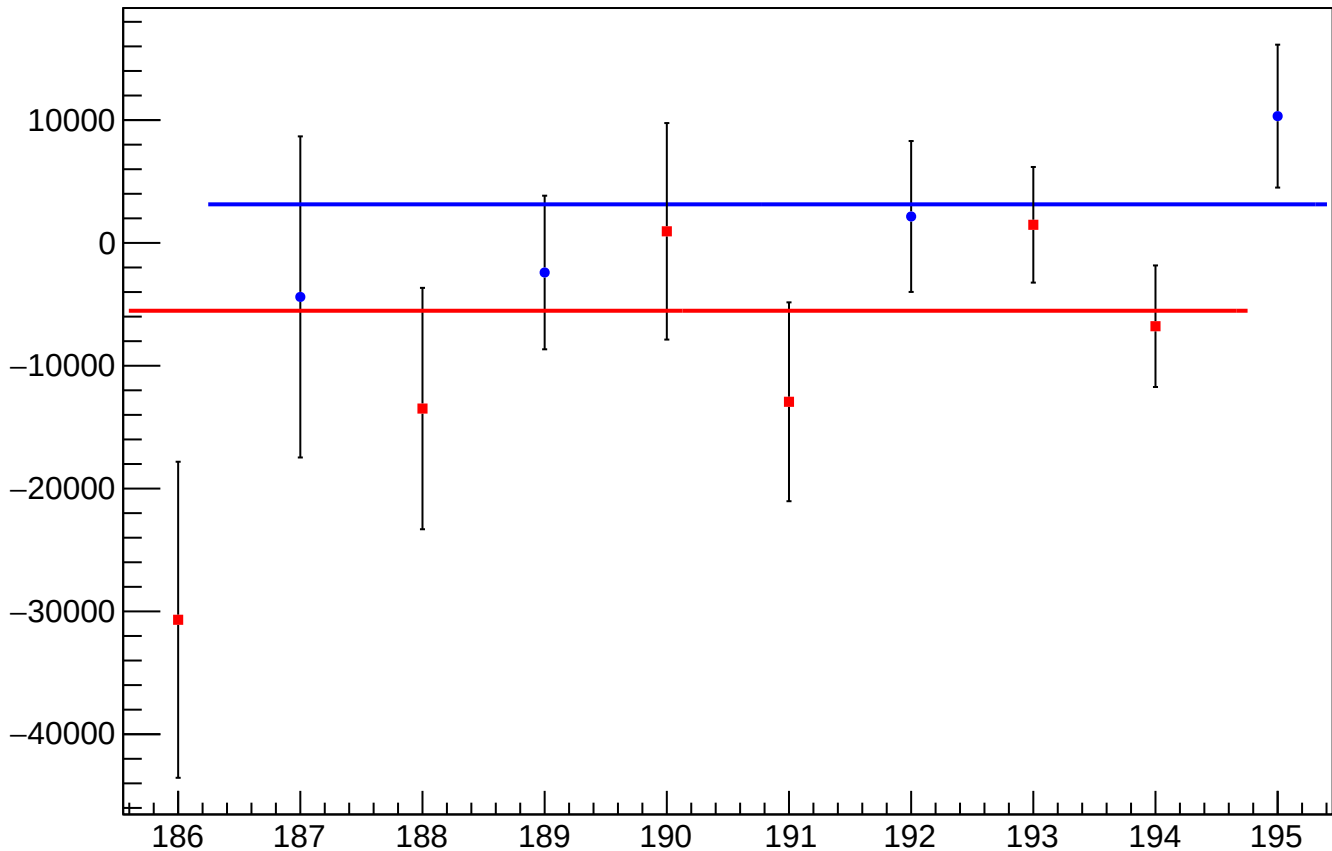
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1702.408 $\pm$ 0.549  $\chi^2$ /NDF: 183010.2/9

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



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



Right In: 3140.939 $\pm$ 3381.207  $\chi^2$ /NDF: 2.7/3

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

Right Out: -5522.331 $\pm$ 2768.330  $\chi^2$ /NDF: 8.1/5

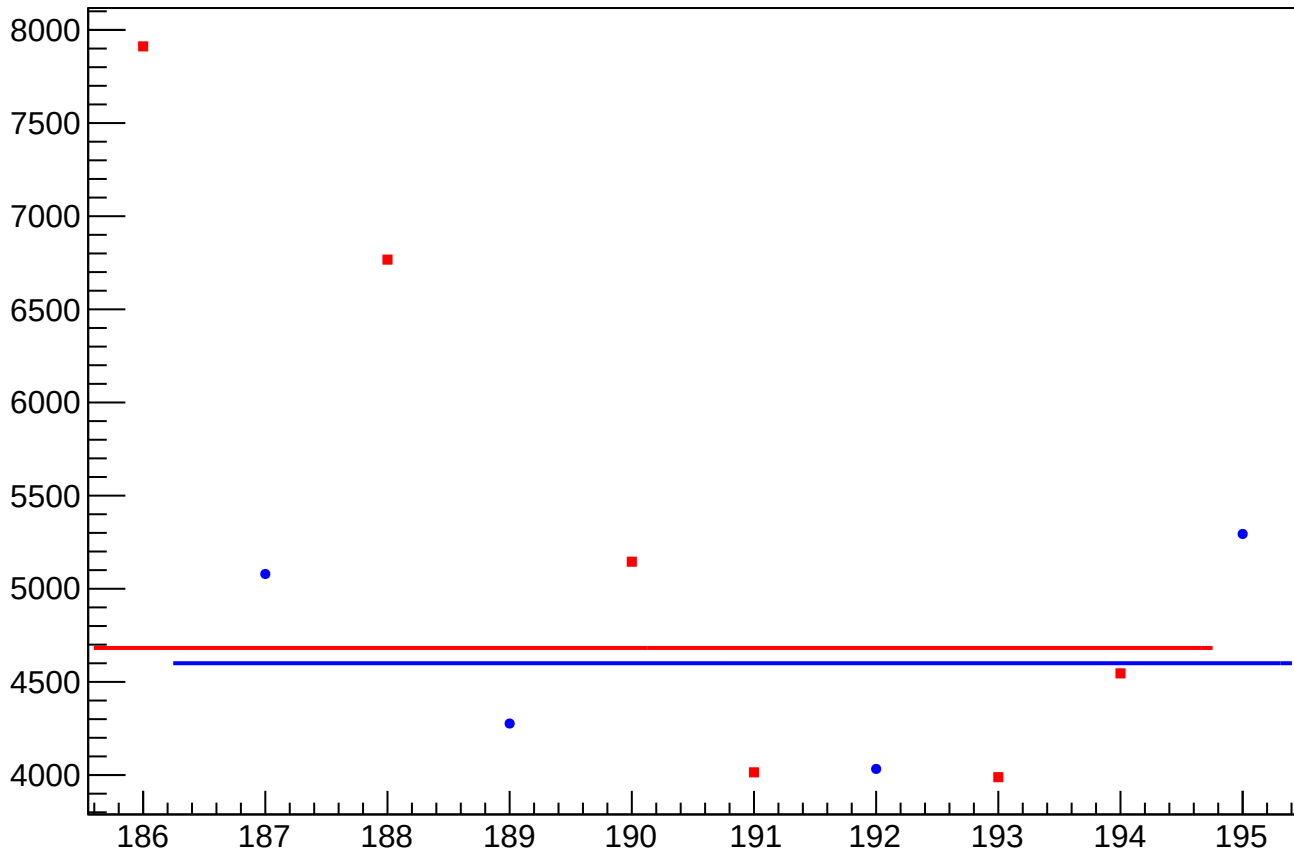
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -2045.606 $\pm$ 2141.983  $\chi^2$ /NDF: 14.7/9

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

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



Right In: 4600.249+/-2.391  $\chi^2$ /NDF: 53569.3/3

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

Right Out: 4682.229+/-1.958  $\chi^2$ /NDF: 280105.0/5

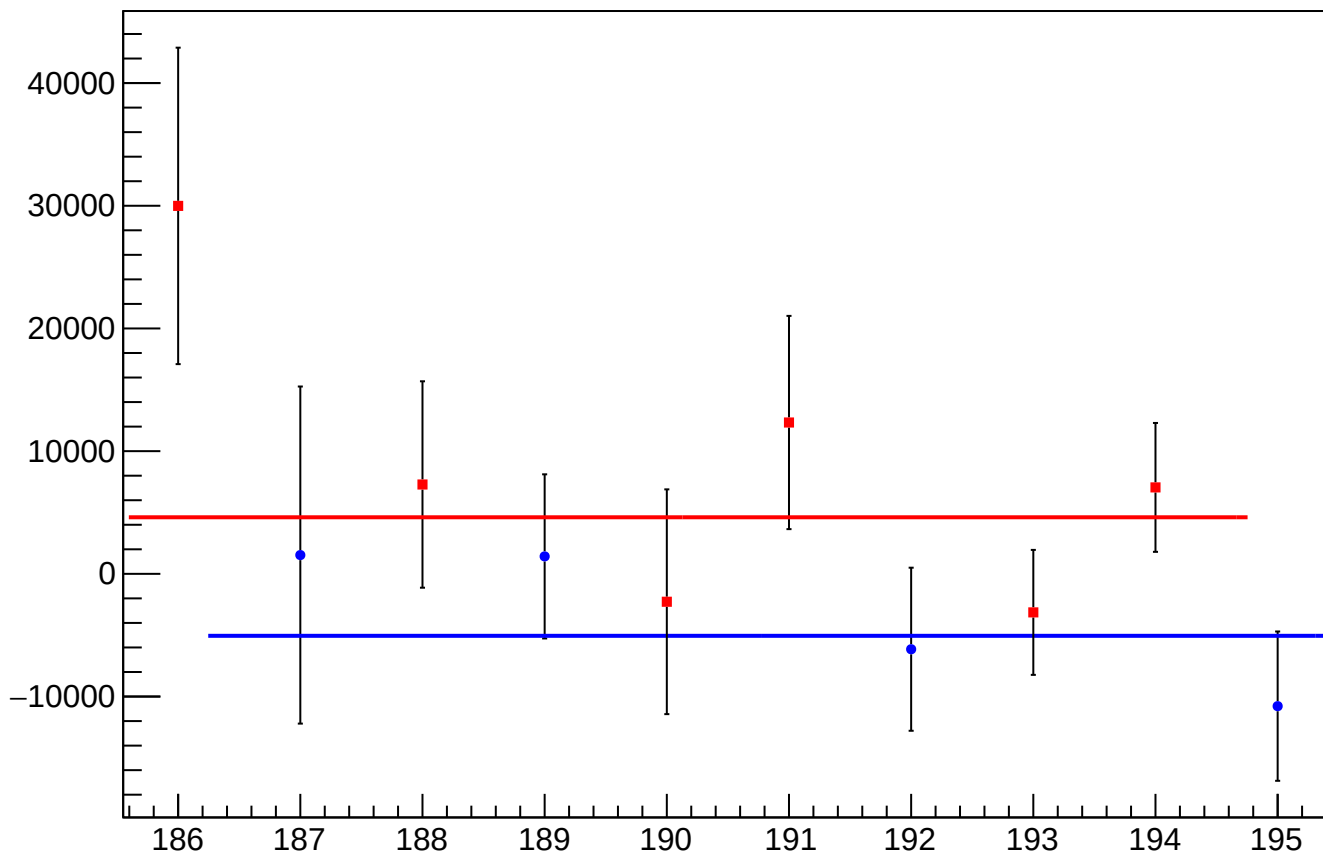
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

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

All: 4649.329+/-1.515  $\chi^2$ /NDF: 334378.2/9

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

# asym\_atl\_dd\_mean vs Slug



Right In: -5050.595 $\pm$ 3596.656  $\chi^2$ /NDF: 2.1/3

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

Right Out: 4610.235 $\pm$ 2885.374  $\chi^2$ /NDF: 7.9/5

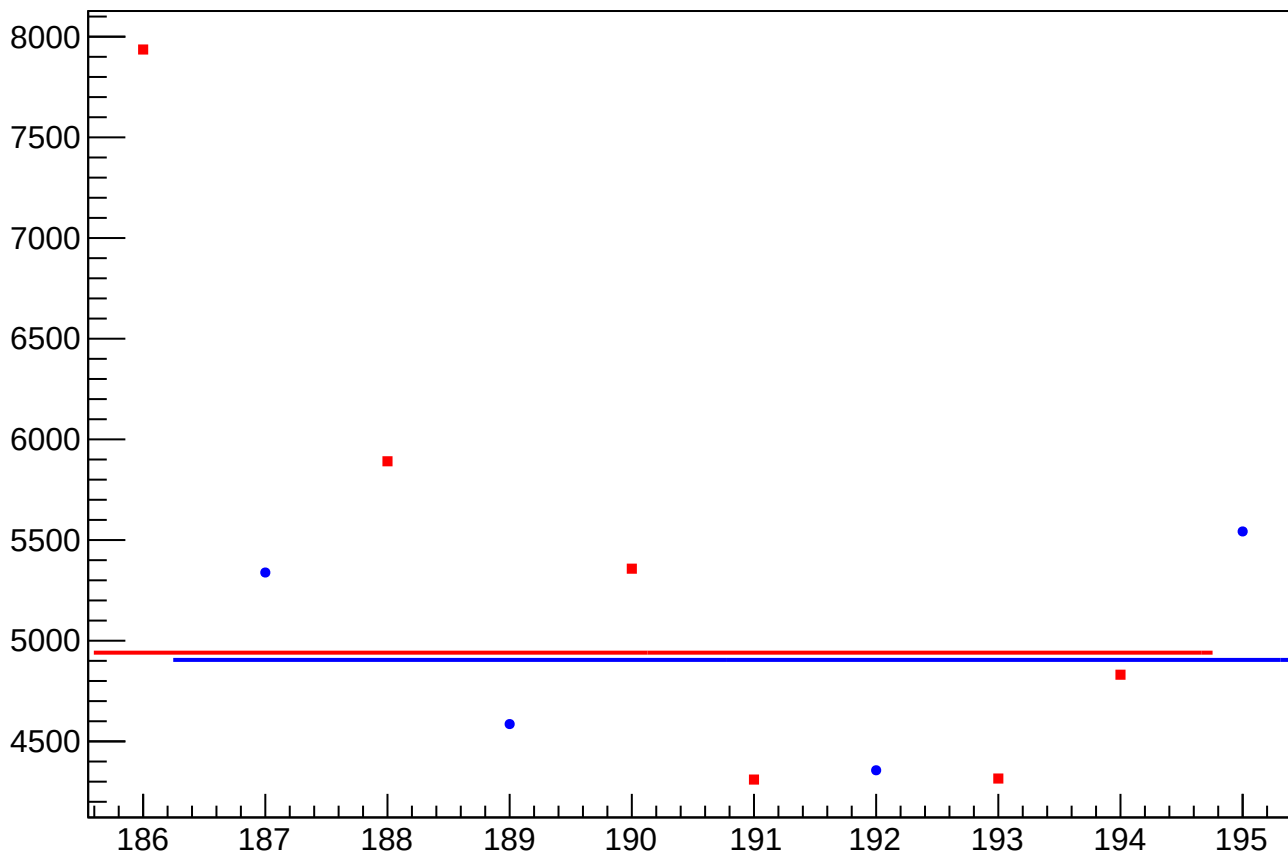
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 827.304 $\pm$ 2250.639  $\chi^2$ /NDF: 14.3/9

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

# asym\_atl\_dd\_rms vs Slug



Right In: 4904.655+/-2.543  $\chi^2/\text{NDF}$ : 42131.1/3

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

Right Out: 4940.652+/-2.040  $\chi^2/\text{NDF}$ : 179137.3/5

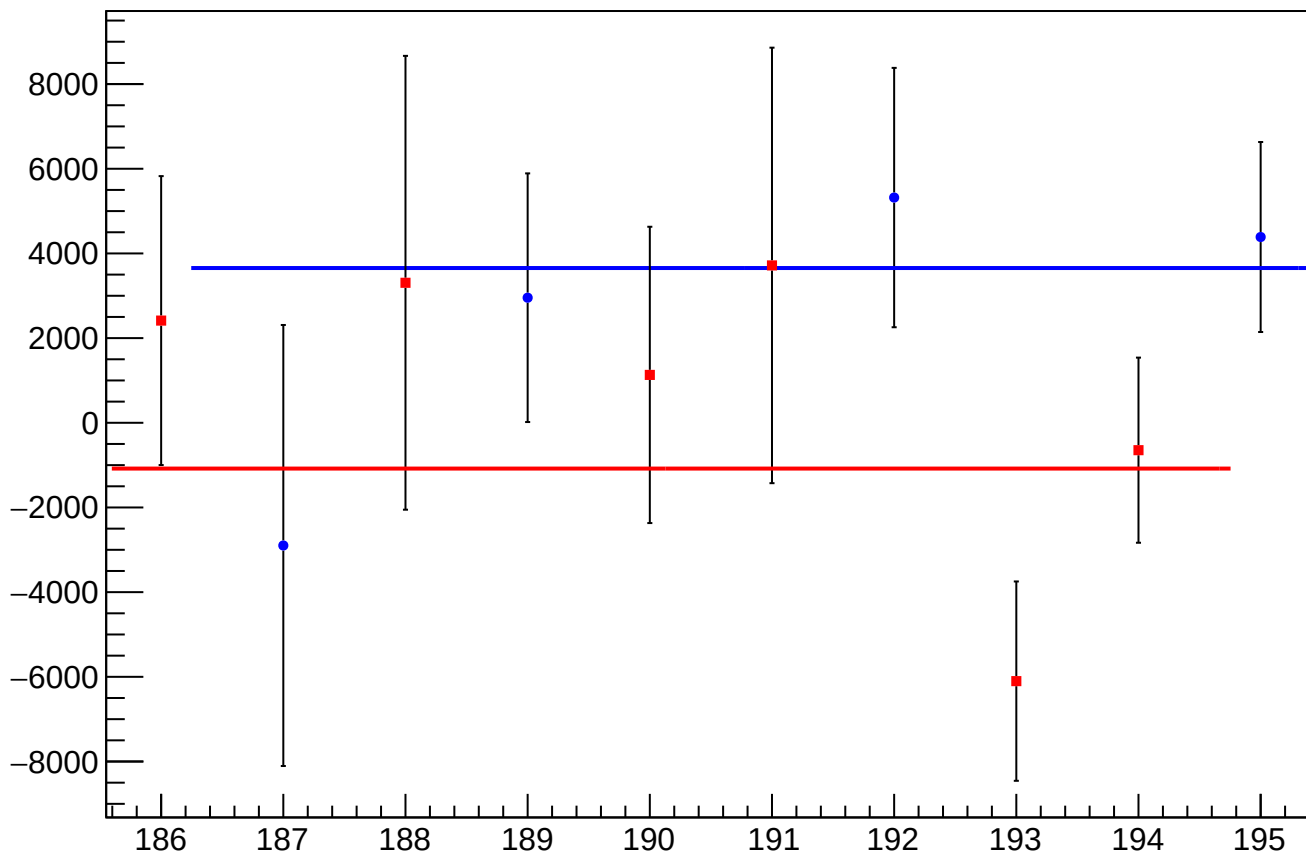
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 4926.556+/-1.591  $\chi^2/\text{NDF}$ : 221390.2/9

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

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



Right In: 3655.264 $\pm$ 1477.528  $\chi^2$ /NDF: 2.0/3

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

Right Out: -1081.322 $\pm$ 1260.031  $\chi^2$ /NDF: 7.6/5

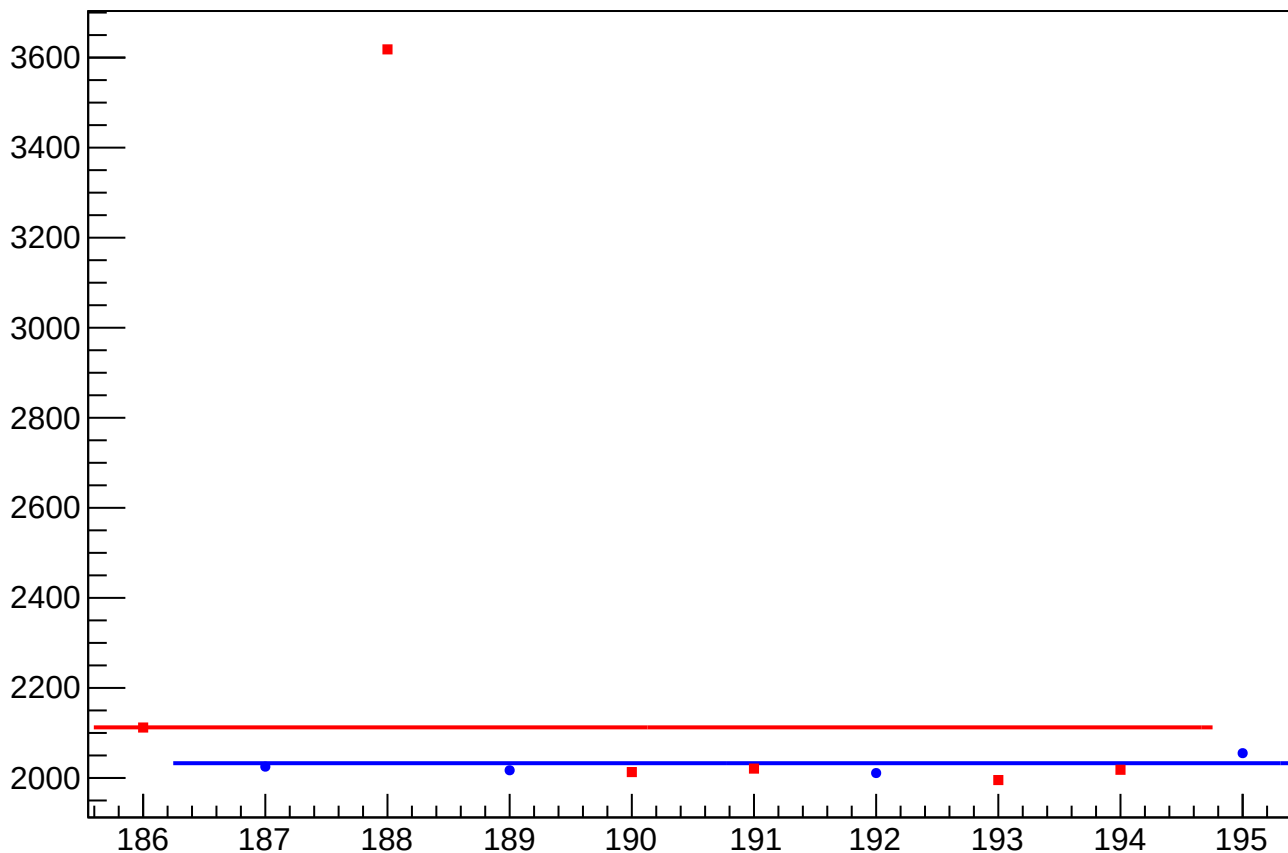
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 913.014 $\pm$ 958.743  $\chi^2$ /NDF: 15.6/9

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

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



Right In: 2032.810 $\pm$ 1.045  $\chi^2$ /NDF: 360.8/3

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

Right Out: 2112.406 $\pm$ 0.891  $\chi^2$ /NDF: 168785.7/5

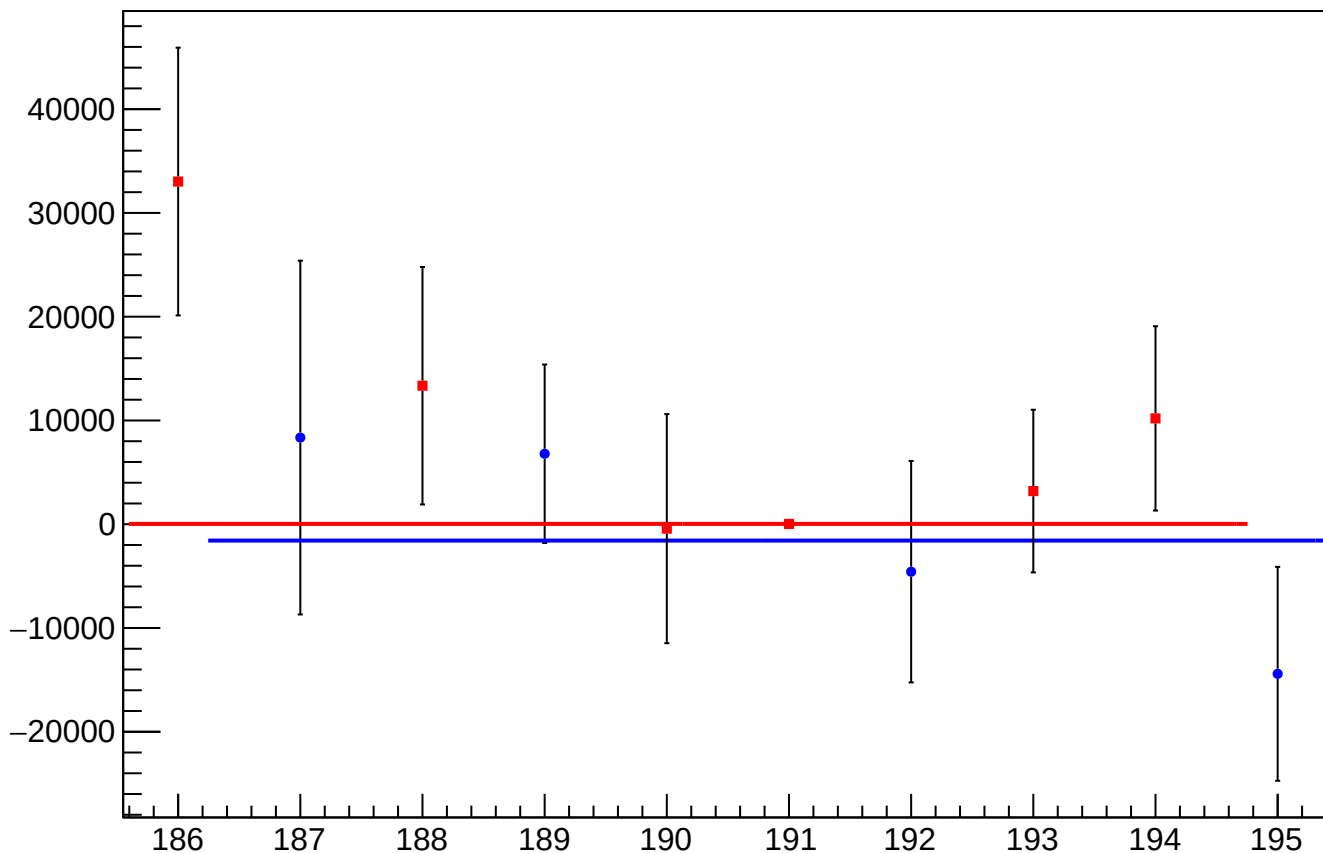
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2078.892 $\pm$ 0.678  $\chi^2$ /NDF: 172506.8/9

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

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



Right In: -1573.550 $\pm$ 5332.738  $\chi^2$ /NDF: 2.9/3

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

Right Out: 32.164 $\pm$ 15.059  $\chi^2$ /NDF: 9.4/5

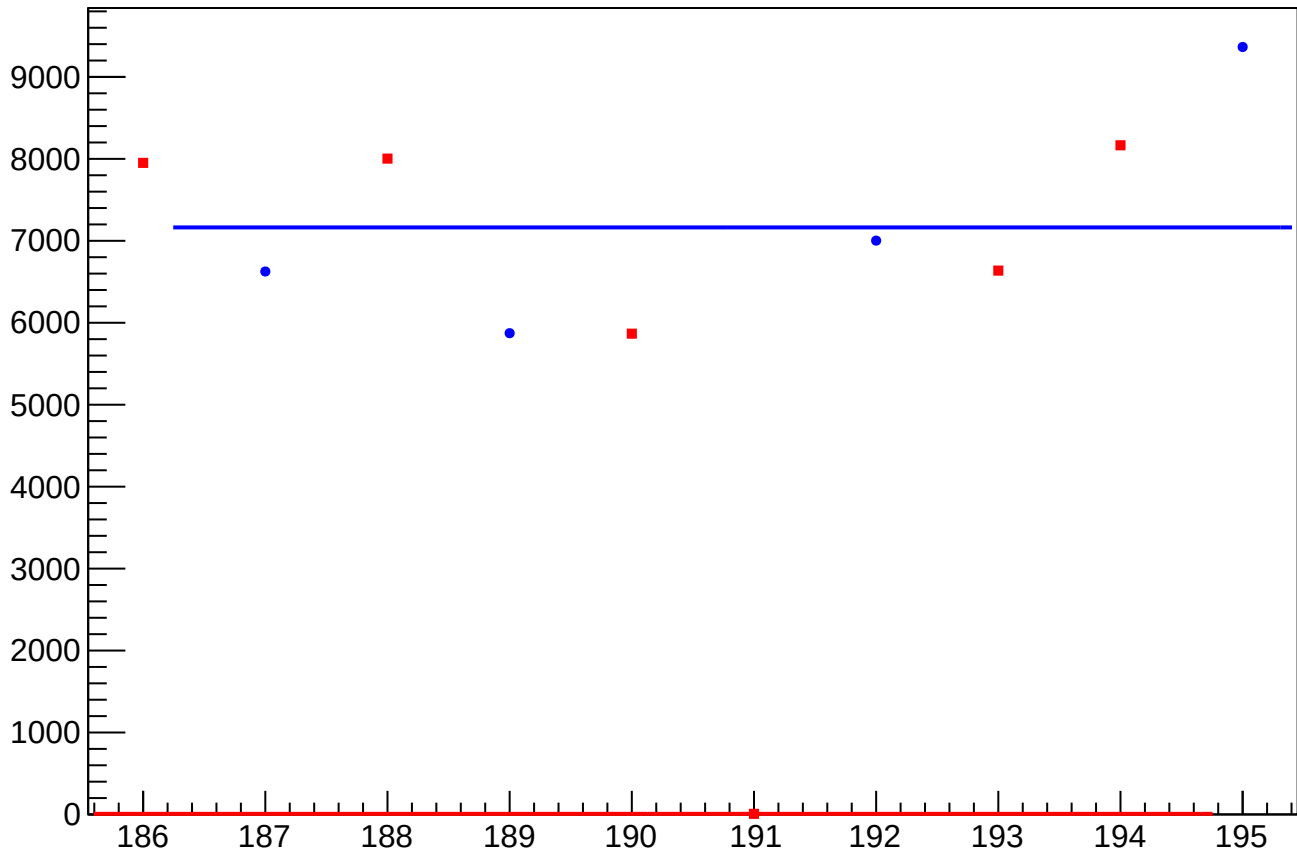
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 32.151 $\pm$ 15.059  $\chi^2$ /NDF: 12.4/9

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

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



Right In: 7163.622+/-3.771  $\chi^2$ /NDF: 138757.2/3

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

Right Out: 7.548+/-0.011  $\chi^2$ /NDF: 5416391.2/5

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

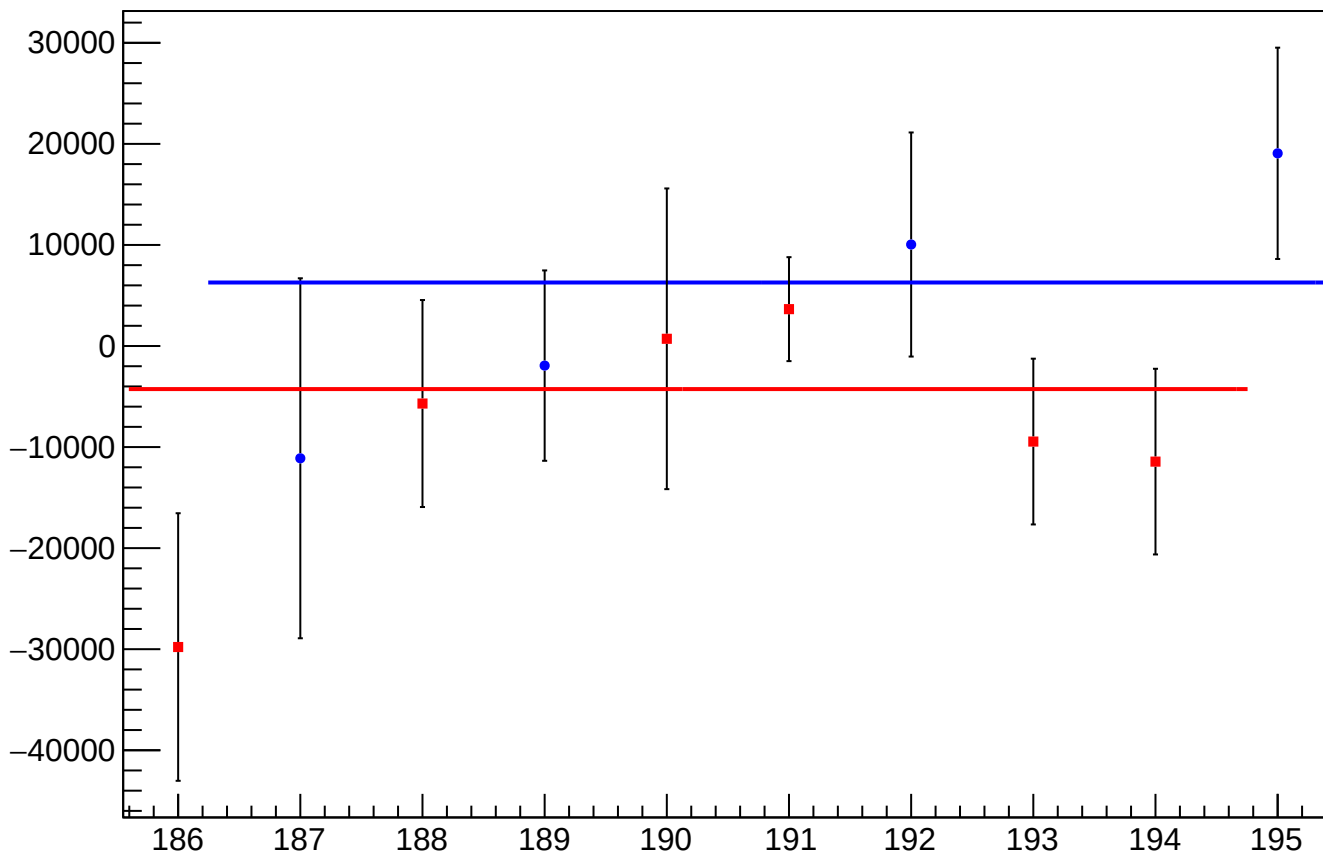
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 7.605+/-0.011  $\chi^2$ /NDF: 9156583.8/9

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



# asym\_atr\_avg\_mean vs Slug



Right In: 6284.293+/-5615.744  $\chi^2/\text{NDF}$ : 3.3/3

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

Right Out: -4261.724+/-3444.556  $\chi^2/\text{NDF}$ : 7.2/5

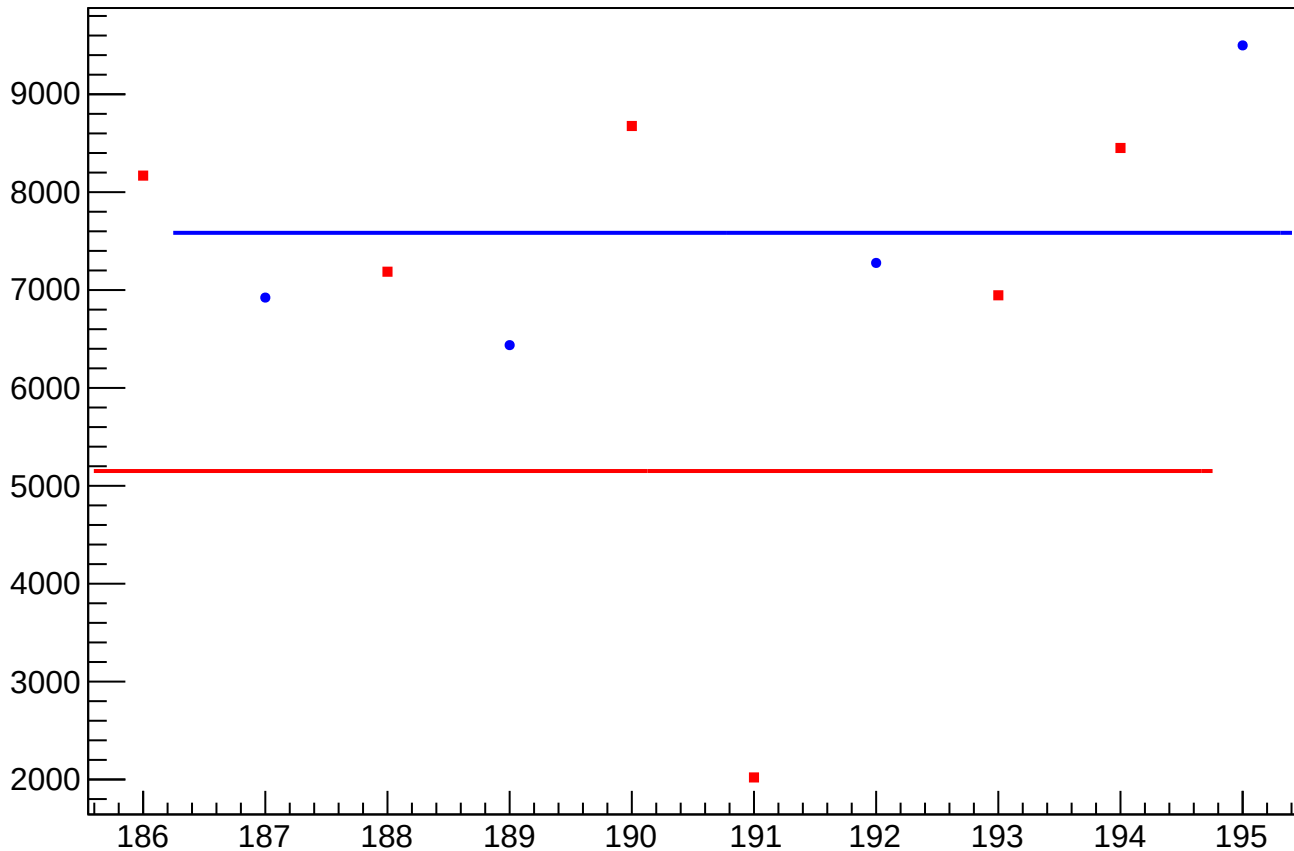
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -1378.691+/-2936.215  $\chi^2/\text{NDF}$ : 13.1/9

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

# asym\_atr\_avg\_rms vs Slug



Right In: 7584.553 $\pm$ 3.971  $\chi^2$ /NDF: 101052.5/3

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

Right Out: 5151.206 $\pm$ 2.436  $\chi^2$ /NDF: 1390155.5/5

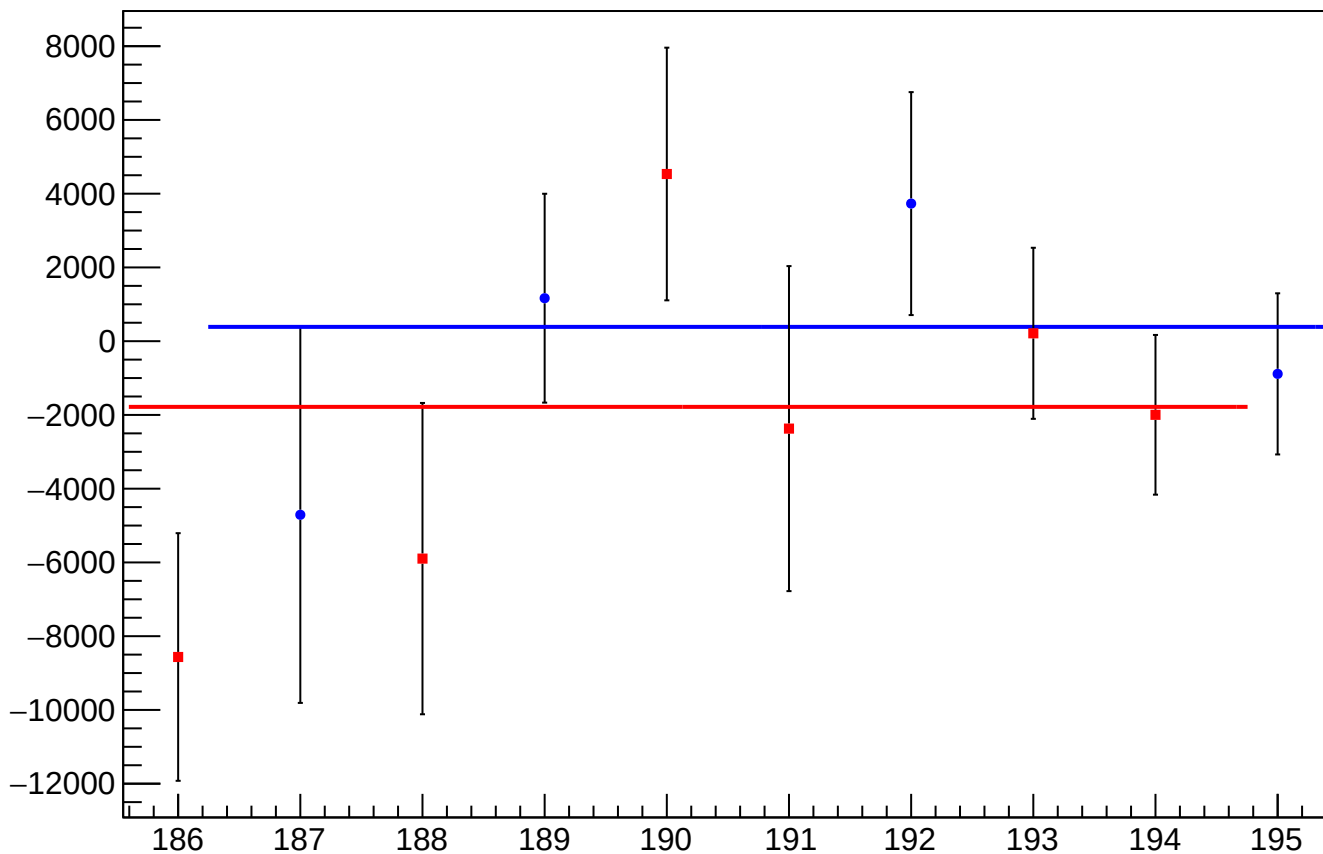
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 5816.423 $\pm$ 2.076  $\chi^2$ /NDF: 1764064.1/9

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

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



Right In: 387.955+/-1440.386  $\chi^2/\text{NDF}$ : 2.6/3

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

Right Out: -1781.418+/-1212.168  $\chi^2/\text{NDF}$ : 9.2/5

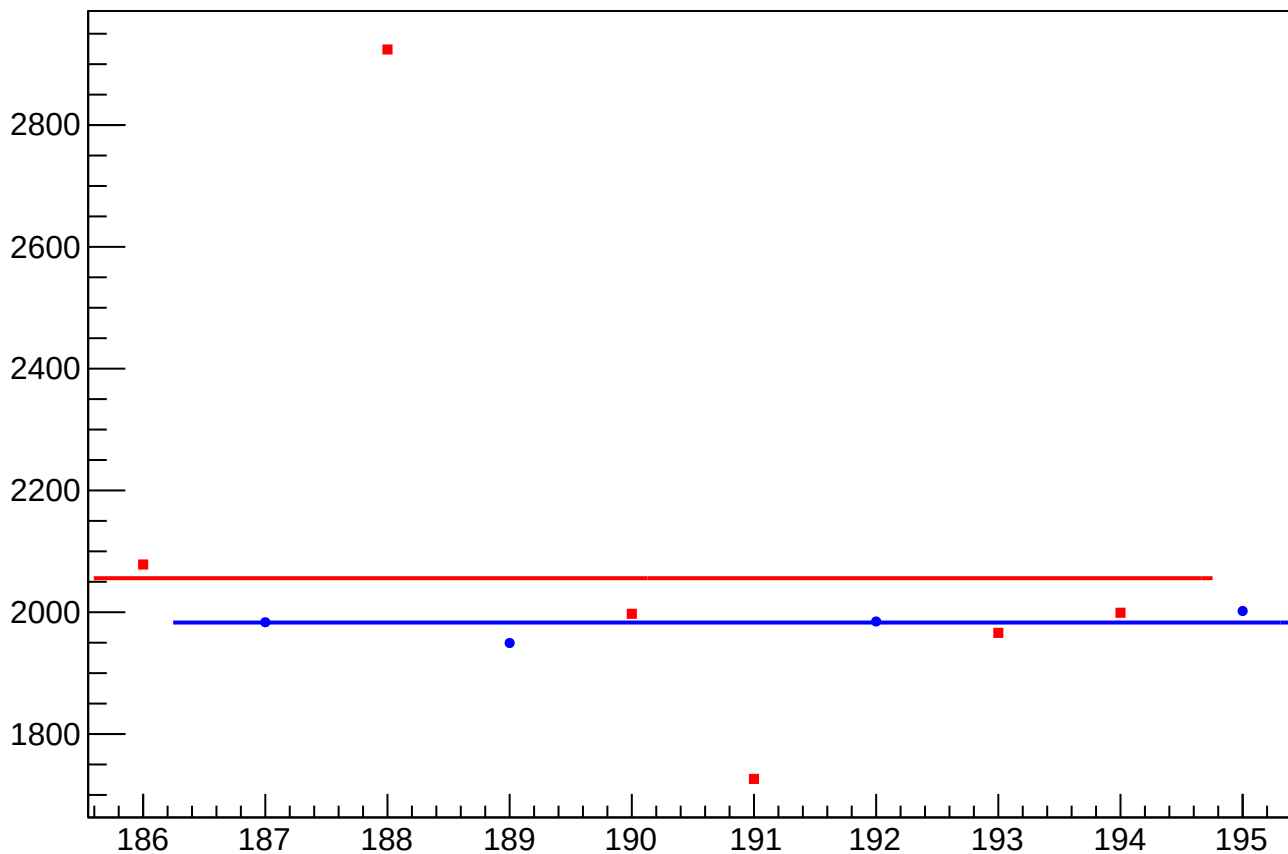
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -882.007+/-927.451  $\chi^2/\text{NDF}$ : 13.2/9

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

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



Right In: 1983.081 $\pm$ 1.019  $\chi^2$ /NDF: 432.6/3

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

Right Out: 2055.887 $\pm$ 0.857  $\chi^2$ /NDF: 100825.7/5

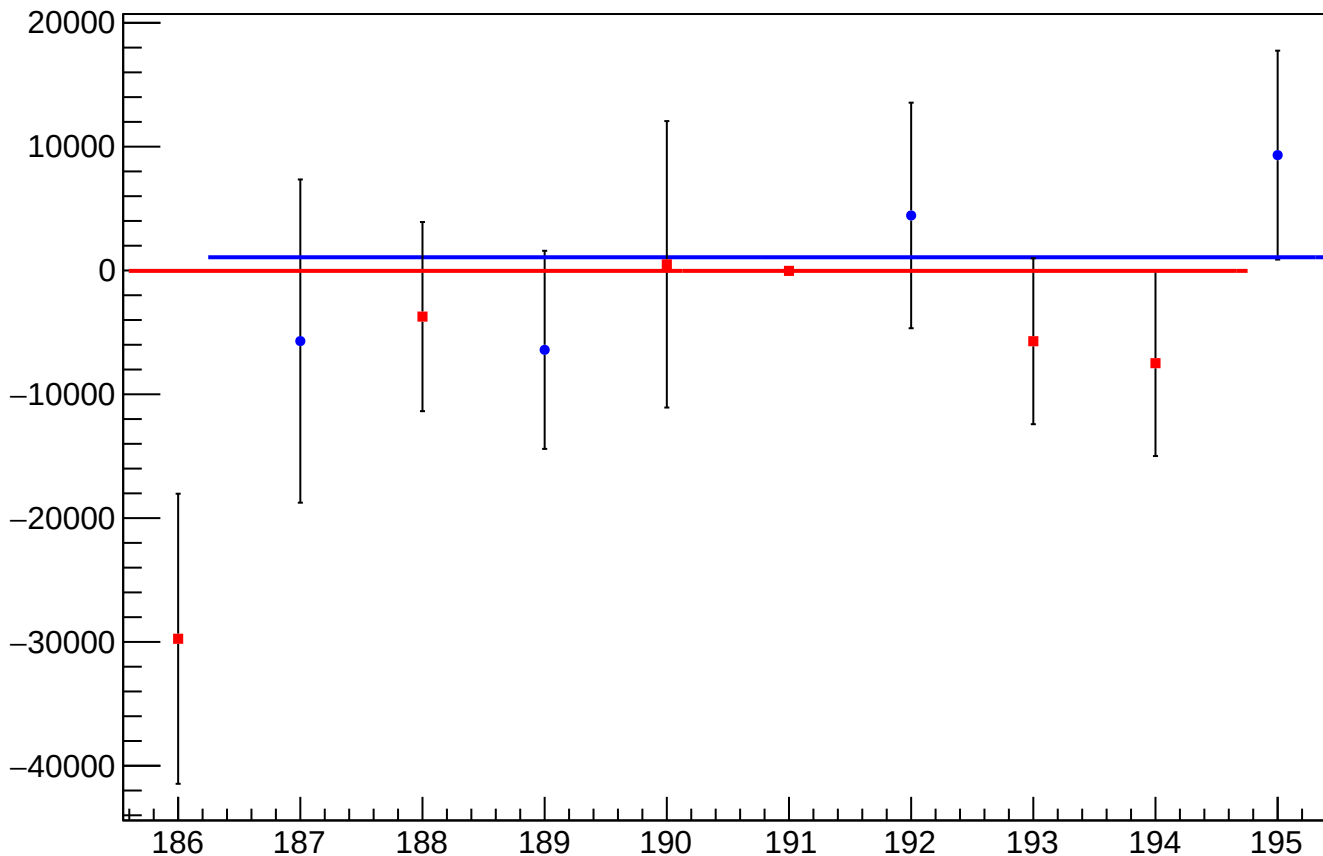
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2025.702 $\pm$ 0.656  $\chi^2$ /NDF: 104249.7/9

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

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



Right In: 1068.254+/-4583.230  $\chi^2/\text{NDF}$ : 2.2/3

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

Right Out: -32.414+/-13.956  $\chi^2/\text{NDF}$ : 8.4/5

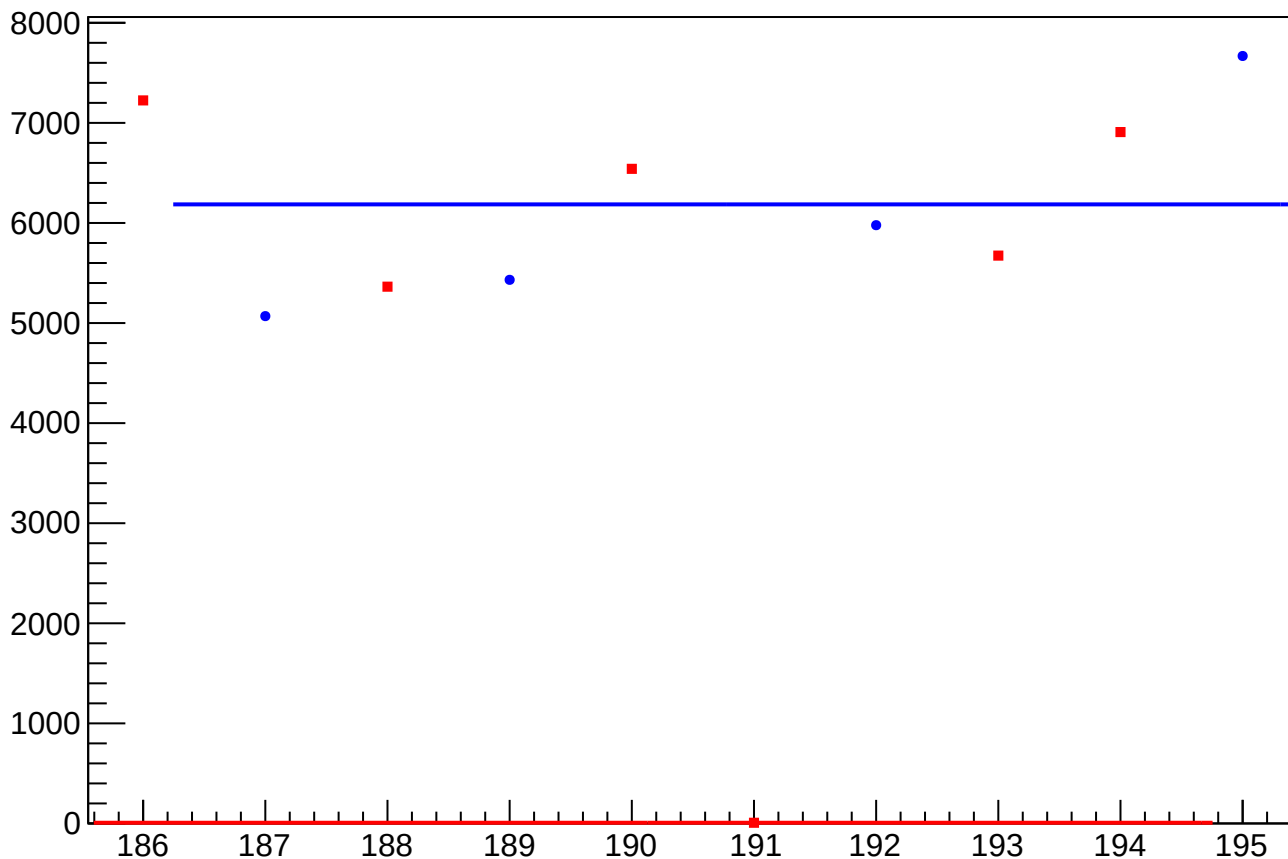
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -32.403+/-13.956  $\chi^2/\text{NDF}$ : 10.7/9

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

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



Right In: 6185.722 $\pm$ 3.241  $\chi^2$ /NDF: 95230.5/3

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

Right Out: 7.004 $\pm$ 0.010  $\chi^2$ /NDF: 5505003.5/5

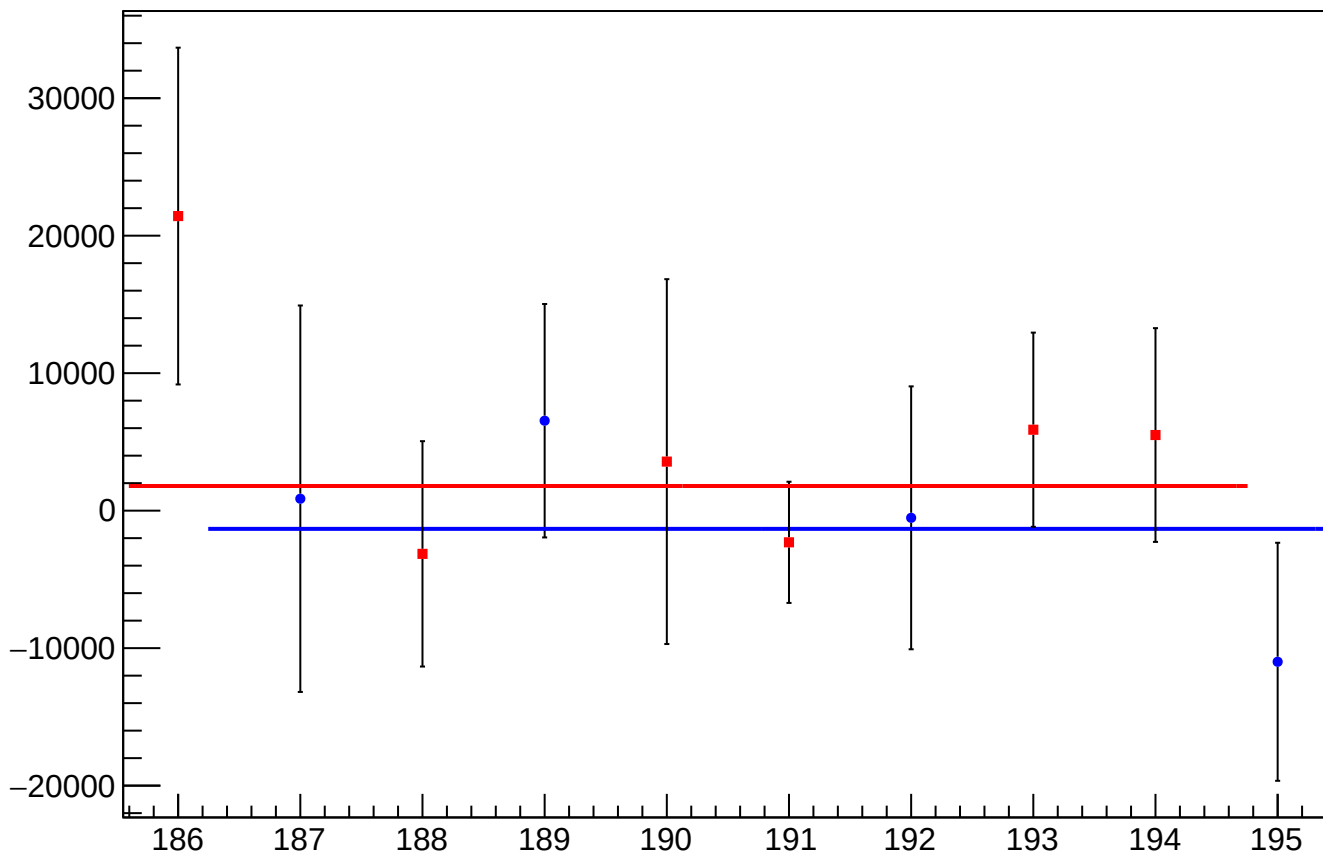
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 7.062 $\pm$ 0.010  $\chi^2$ /NDF: 9235023.9/9

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

# asym\_atr\_dd\_mean vs Slug



Right In: -1324.600 $\pm$ 4809.716  $\chi^2$ /NDF: 2.1/3

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

Right Out: 1792.819 $\pm$ 2944.736  $\chi^2$ /NDF: 4.4/5

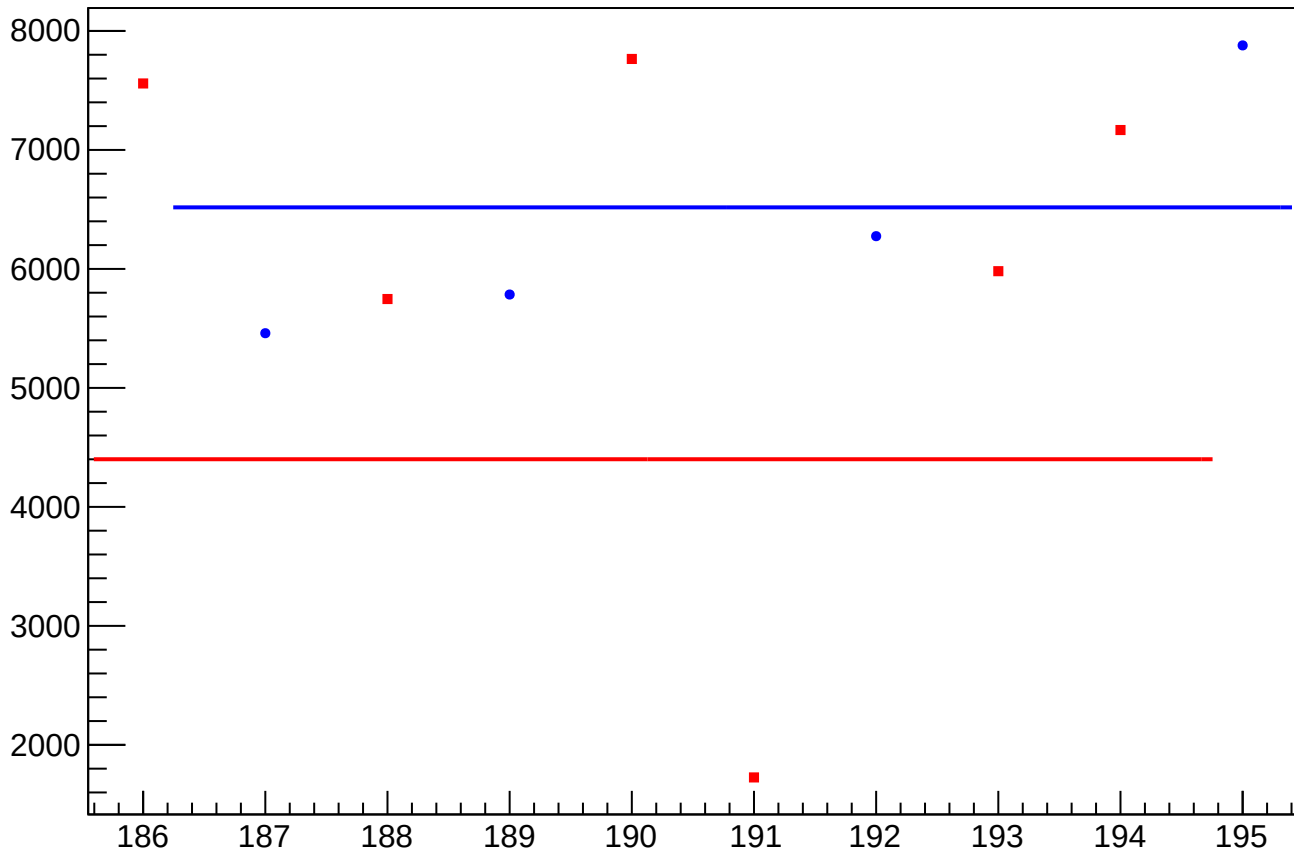
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 942.866 $\pm$ 2511.419  $\chi^2$ /NDF: 6.8/9

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

# asym\_atr\_dd\_rms vs Slug



Right In: 6517.304+/-3.401  $\chi^2$ /NDF: 76961.6/3

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

Right Out: 4400.483+/-2.082  $\chi^2$ /NDF: 1405485.0/5

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

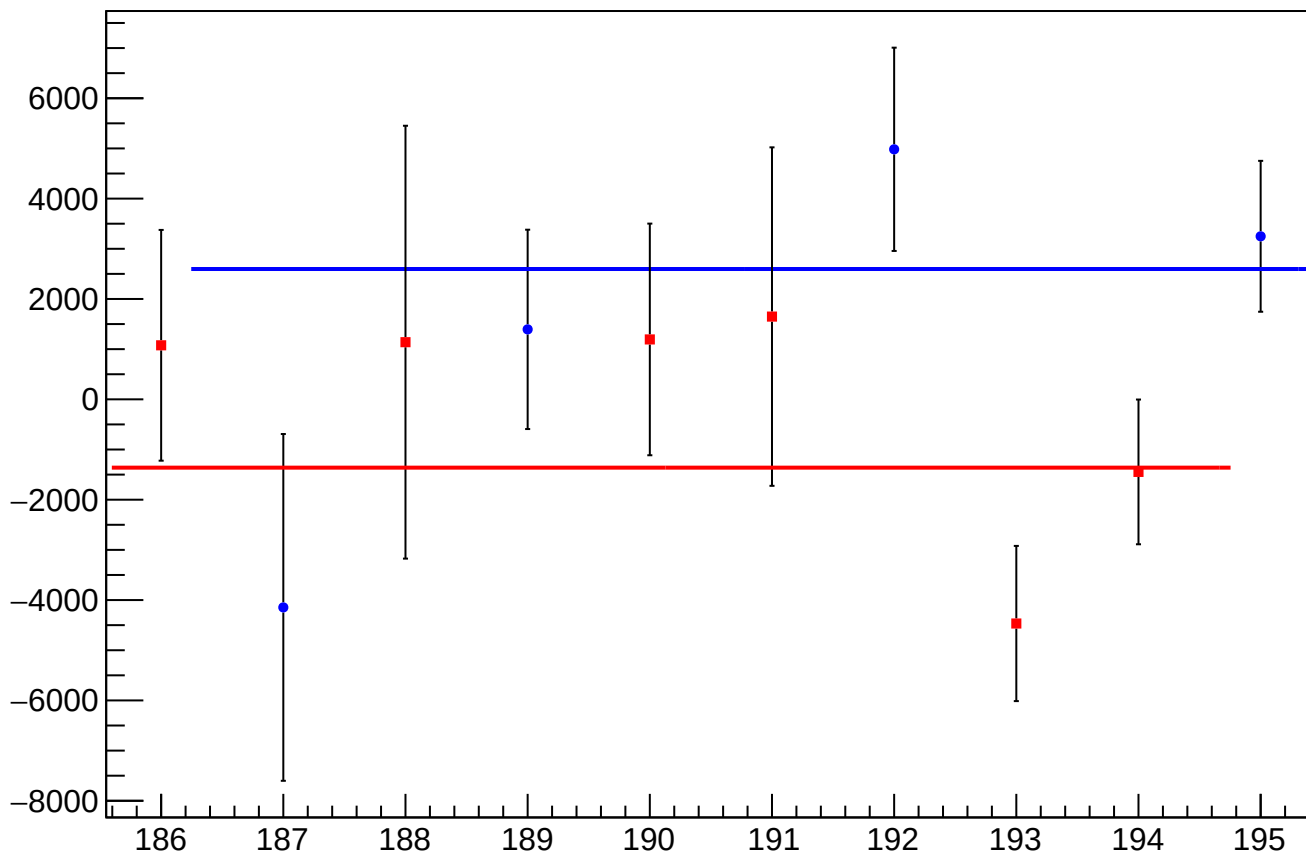
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 4977.624+/-1.776  $\chi^2$ /NDF: 1764223.7/9

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



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



Right In: 2597.104 $\pm$ 988.491  $\chi^2$ /NDF: 5.8/3

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

Right Out: -1361.318 $\pm$ 839.904  $\chi^2$ /NDF: 7.5/5

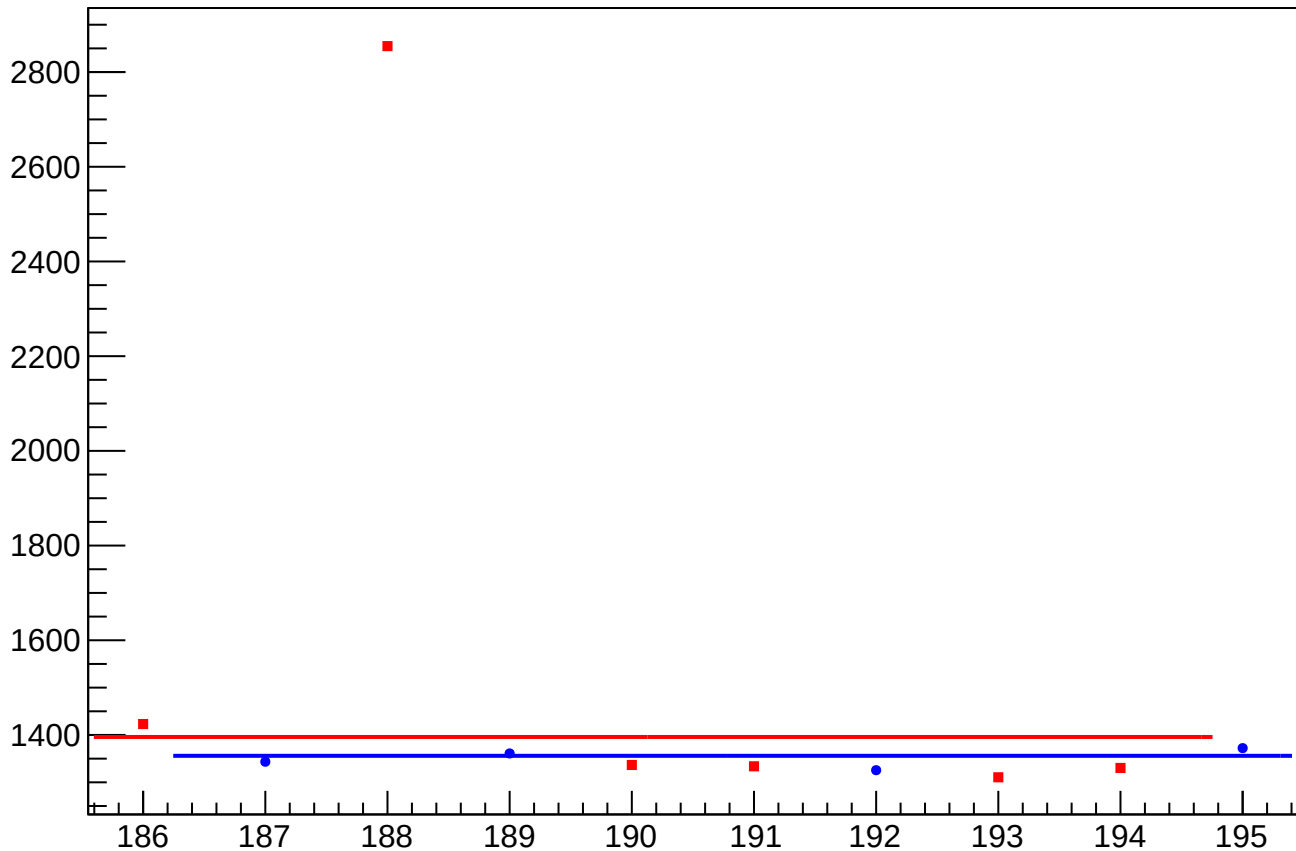
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 298.318 $\pm$ 640.056  $\chi^2$ /NDF: 22.6/9

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

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



Right In: 1355.978 $\pm$ 0.699  $\chi^2$ /NDF: 720.5/3

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

Right Out: 1395.777 $\pm$ 0.594  $\chi^2$ /NDF: 241328.6/5

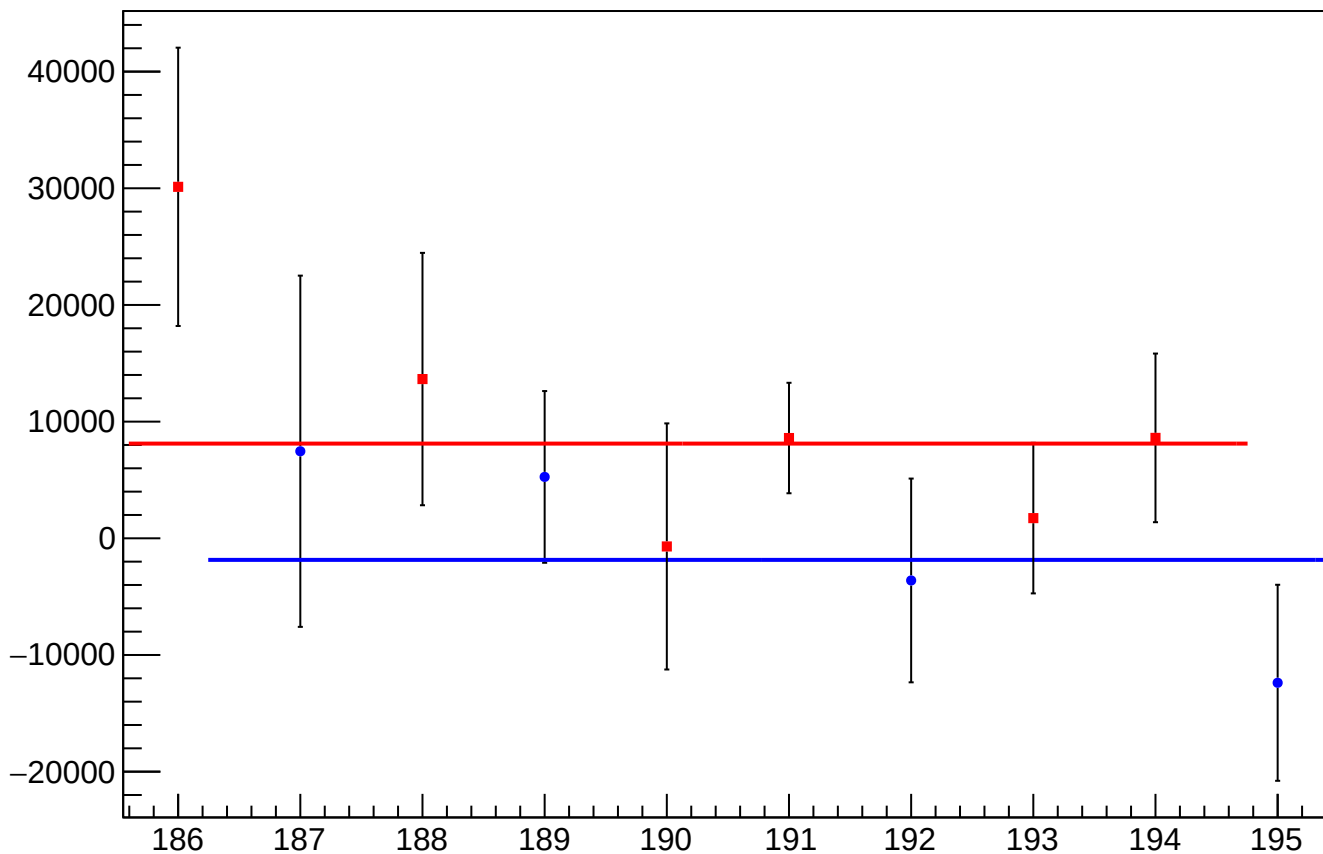
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1379.091 $\pm$ 0.453  $\chi^2$ /NDF: 243932.0/9

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

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



Right In: -1848.933+/-4464.690  $\chi^2/\text{NDF}$ : 2.9/3

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

Right Out: 8117.398+/-2983.331  $\chi^2/\text{NDF}$ : 5.4/5

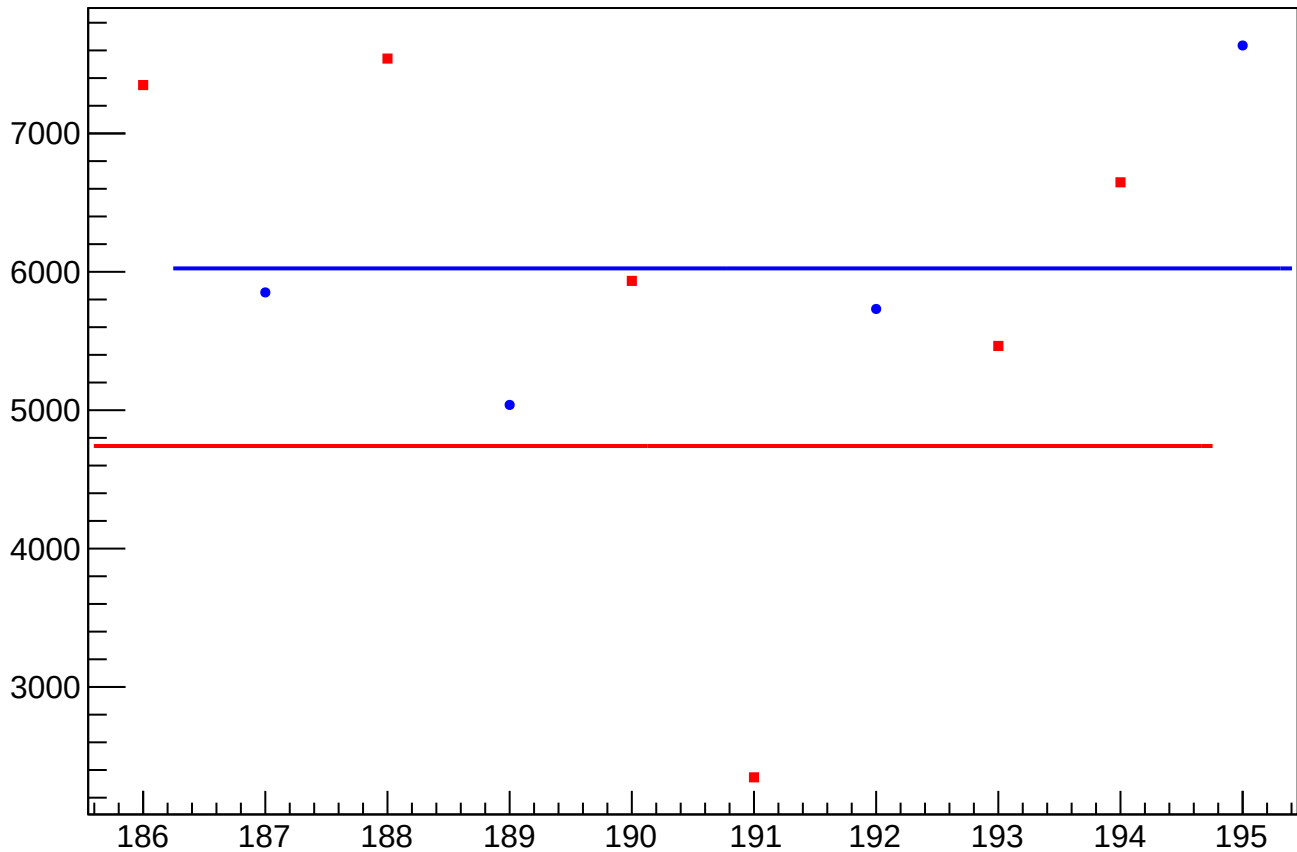
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5041.035+/-2480.518  $\chi^2/\text{NDF}$ : 11.7/9

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

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



Right In: 6024.777 $\pm$ 3.157  $\chi^2$ /NDF: 111994.9/3

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

Right Out: 4741.380 $\pm$ 2.110  $\chi^2$ /NDF: 931031.5/5

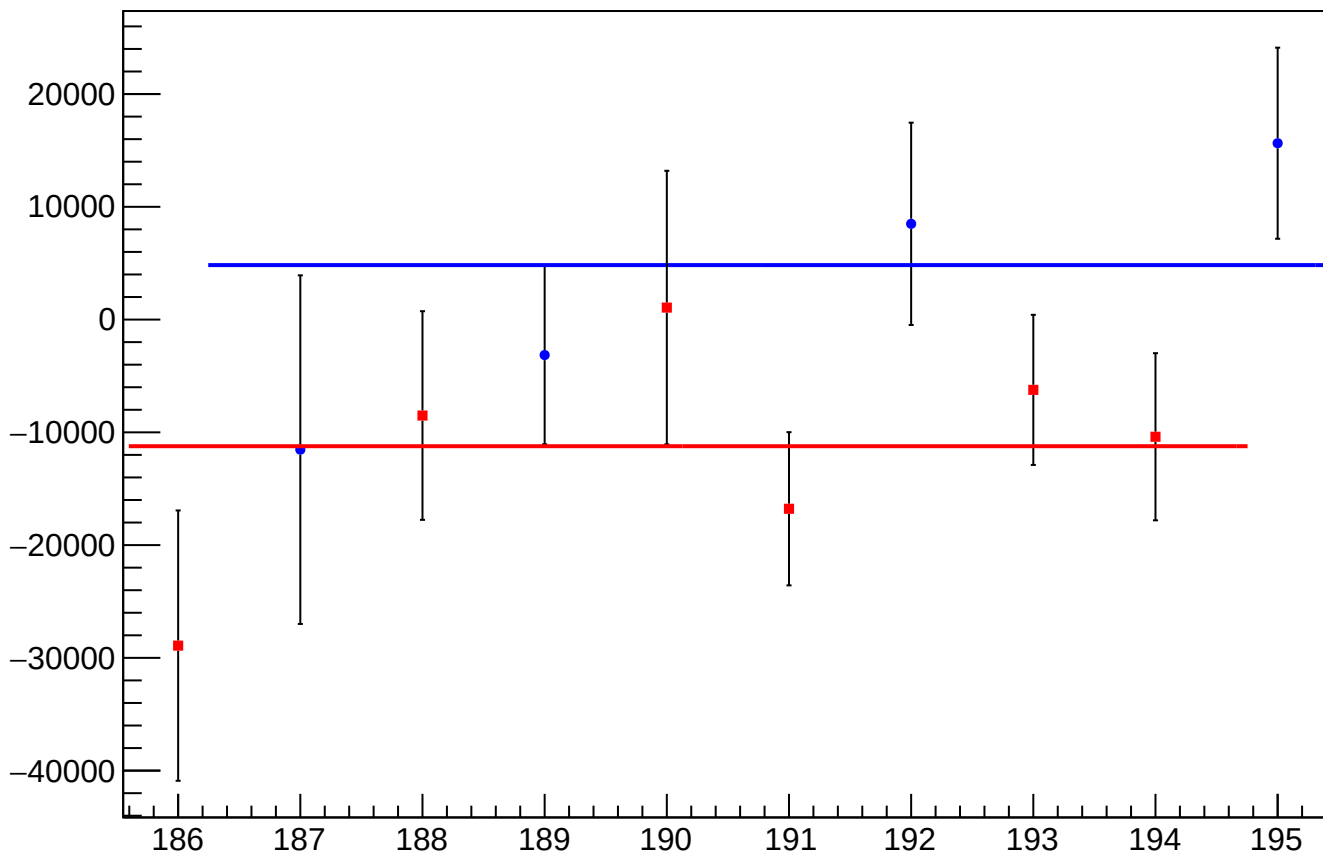
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 5137.533 $\pm$ 1.754  $\chi^2$ /NDF: 1157275.1/9

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

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



Right In: 4831.603 $\pm$ 4636.274  $\chi^2$ /NDF: 3.9/3

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

Right Out: -11229.730 $\pm$ 3373.316  $\chi^2$ /NDF: 4.5/5

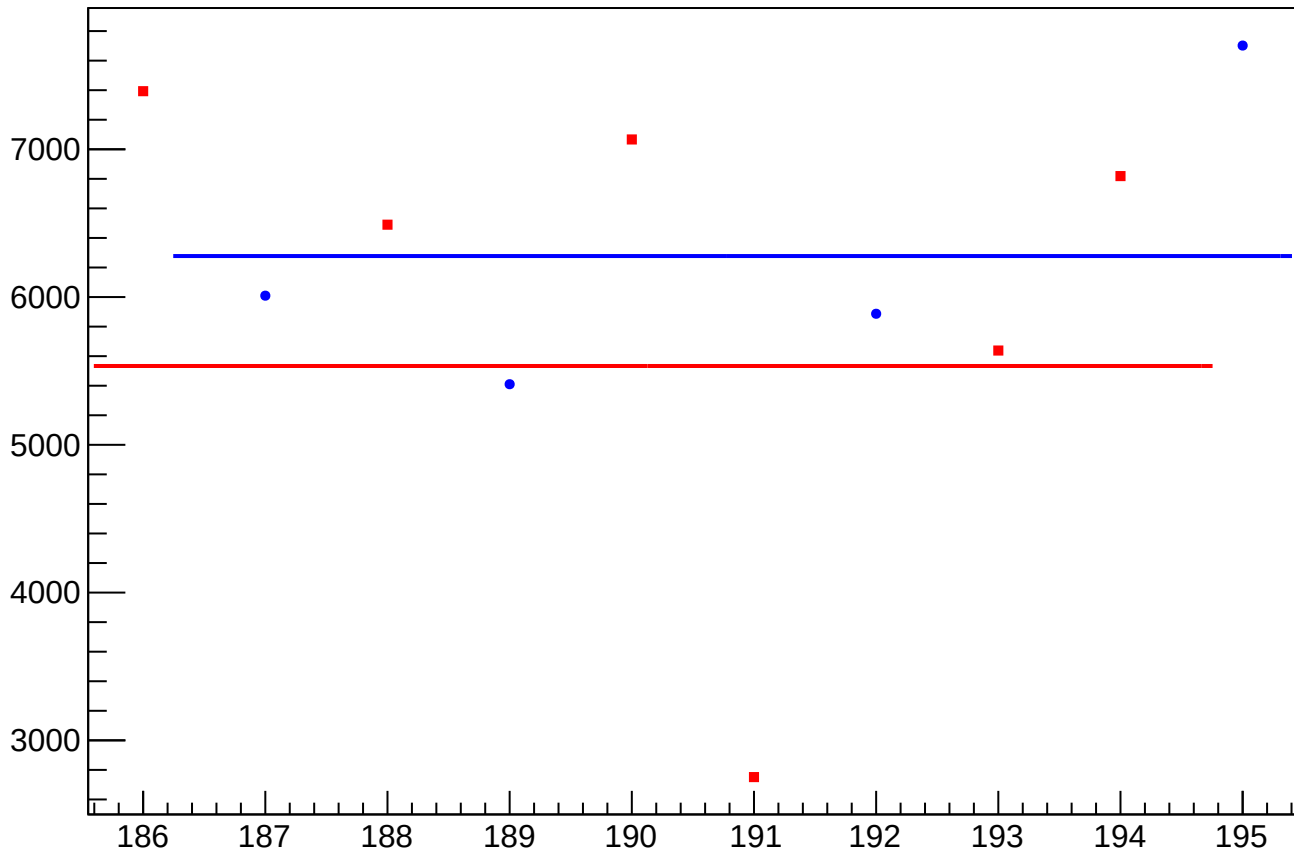
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -5670.186 $\pm$ 2727.708  $\chi^2$ /NDF: 16.3/9

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

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



Right In: 6277.546+/-3.278  $\chi^2/\text{NDF}$ : 84959.0/3

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

Right Out: 5533.471+/-2.385  $\chi^2/\text{NDF}$ : 497521.1/5

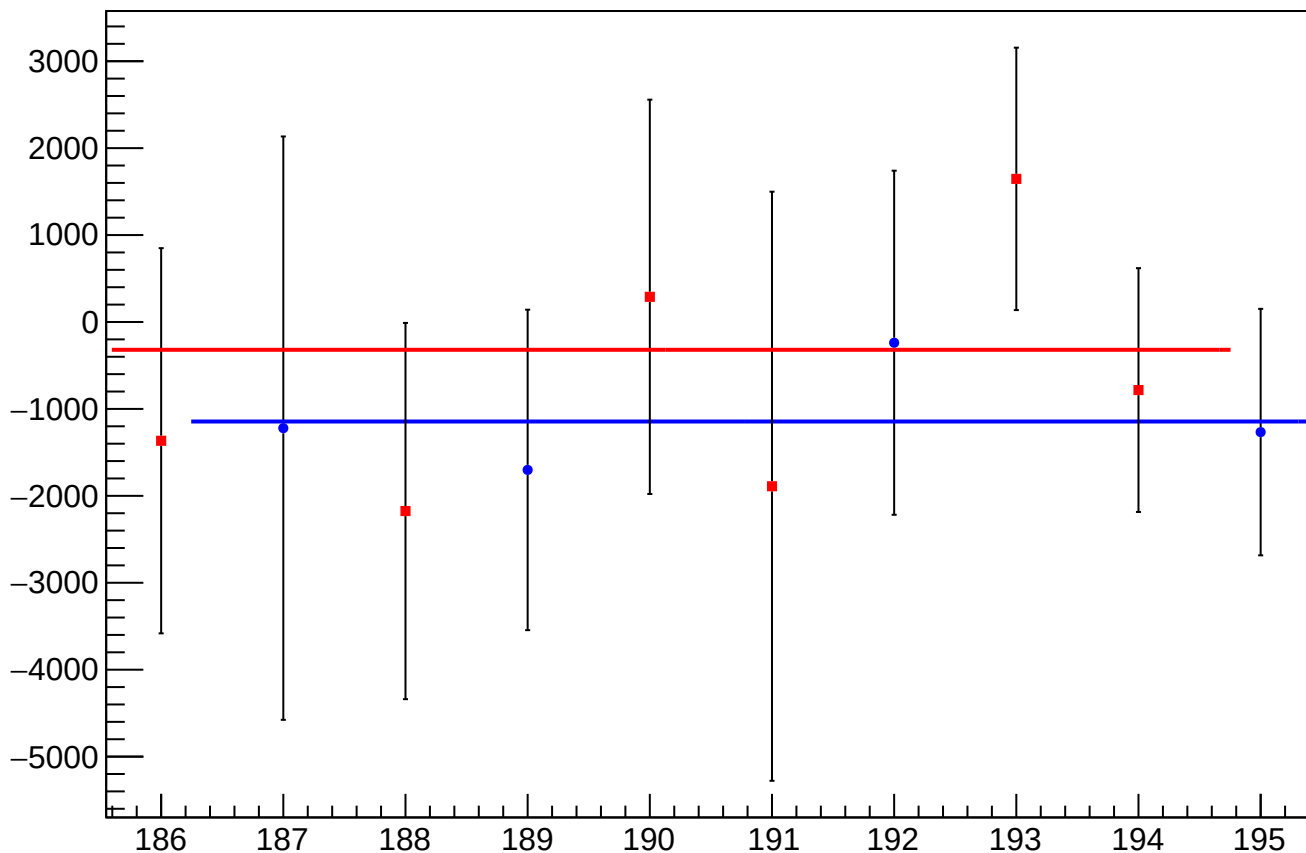
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5791.028+/-1.929  $\chi^2/\text{NDF}$ : 616162.9/9

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

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



Right In: -1144.813 $\pm$ 938.323  $\chi^2$ /NDF: 0.3/3

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

Right Out: -319.870 $\pm$ 779.433  $\chi^2$ /NDF: 3.1/5

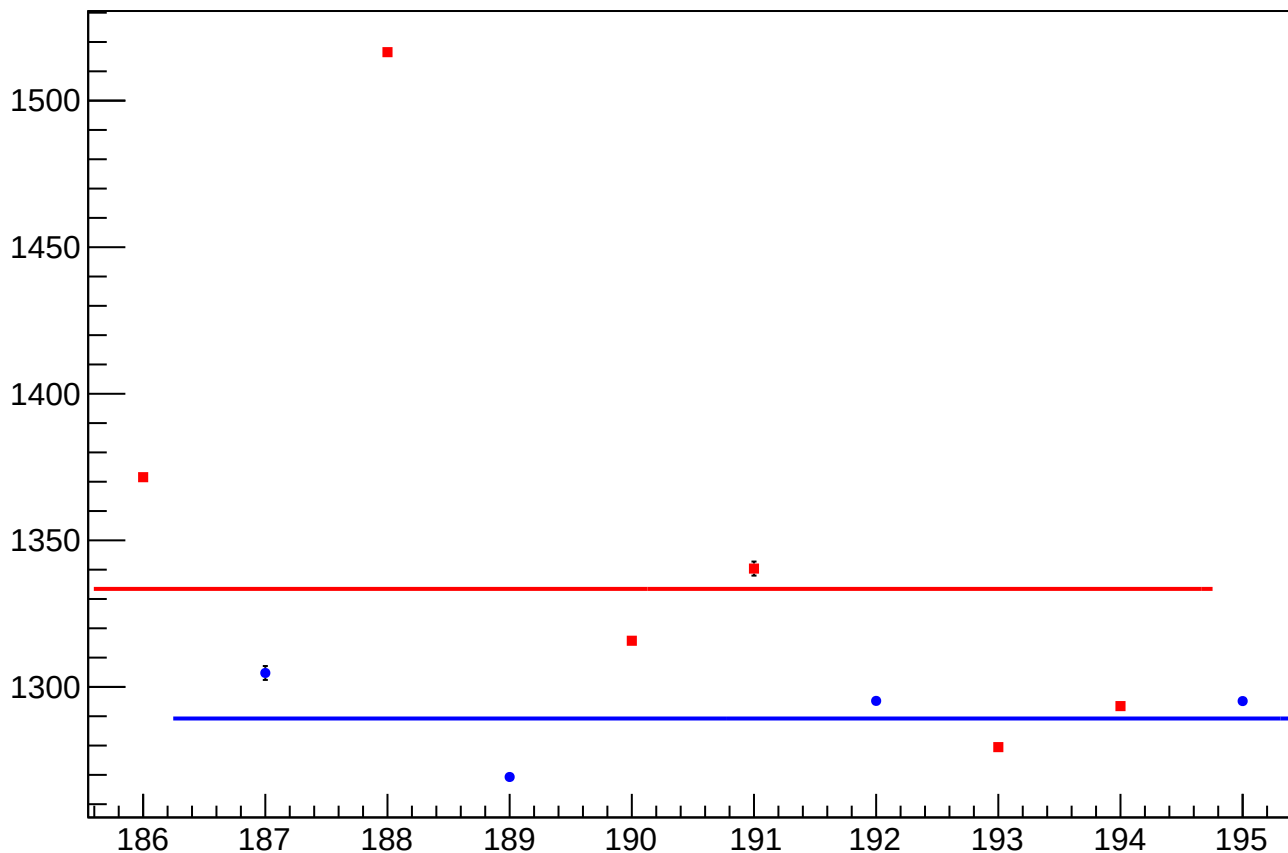
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -656.682 $\pm$ 599.563  $\chi^2$ /NDF: 3.8/9

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

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



Right In: 1289.230 $\pm$ 0.663  $\chi^2$ /NDF: 330.6/3

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

Right Out: 1333.441 $\pm$ 0.551  $\chi^2$ /NDF: 19218.9/5

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

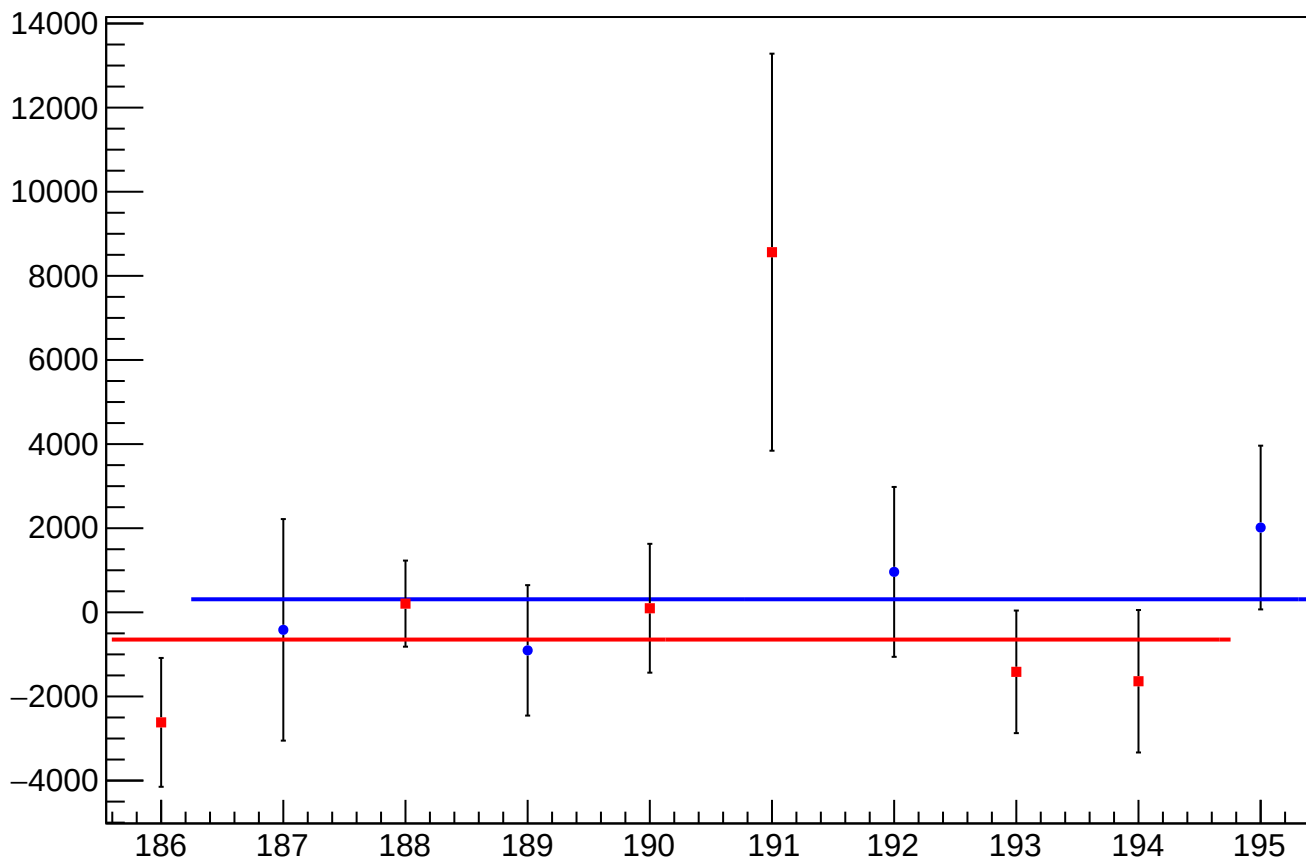
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1315.390 $\pm$ 0.424  $\chi^2$ /NDF: 22176.7/9

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



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



Right In: 310.405 $\pm$ 967.105  $\chi^2$ /NDF: 1.6/3

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

Right Out: -647.308 $\pm$ 611.821  $\chi^2$ /NDF: 7.0/5

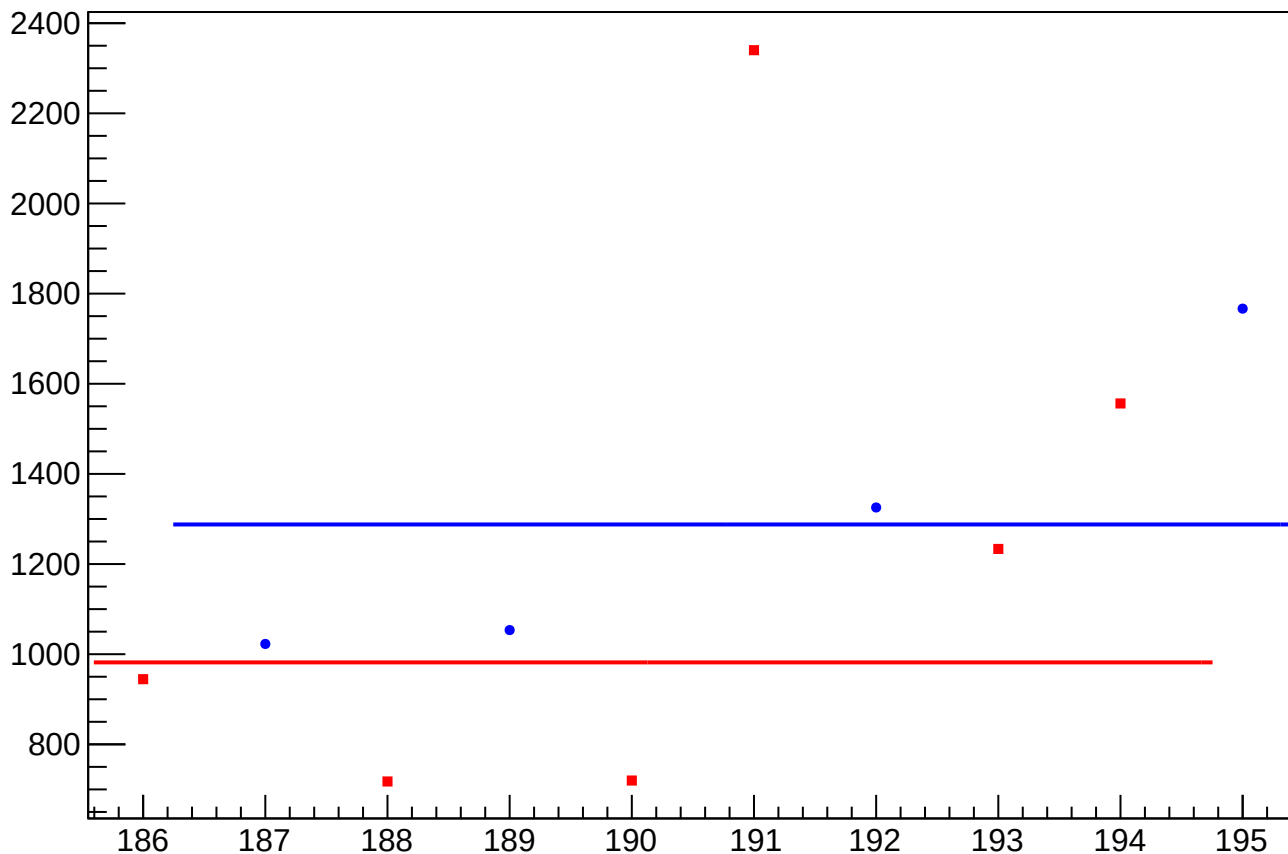
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -373.567 $\pm$ 517.042  $\chi^2$ /NDF: 9.3/9

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

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



Right In: 1287.809 $\pm$ 0.684  $\chi^2$ /NDF: 187668.5/3

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

Right Out: 981.819 $\pm$ 0.433  $\chi^2$ /NDF: 648419.2/5

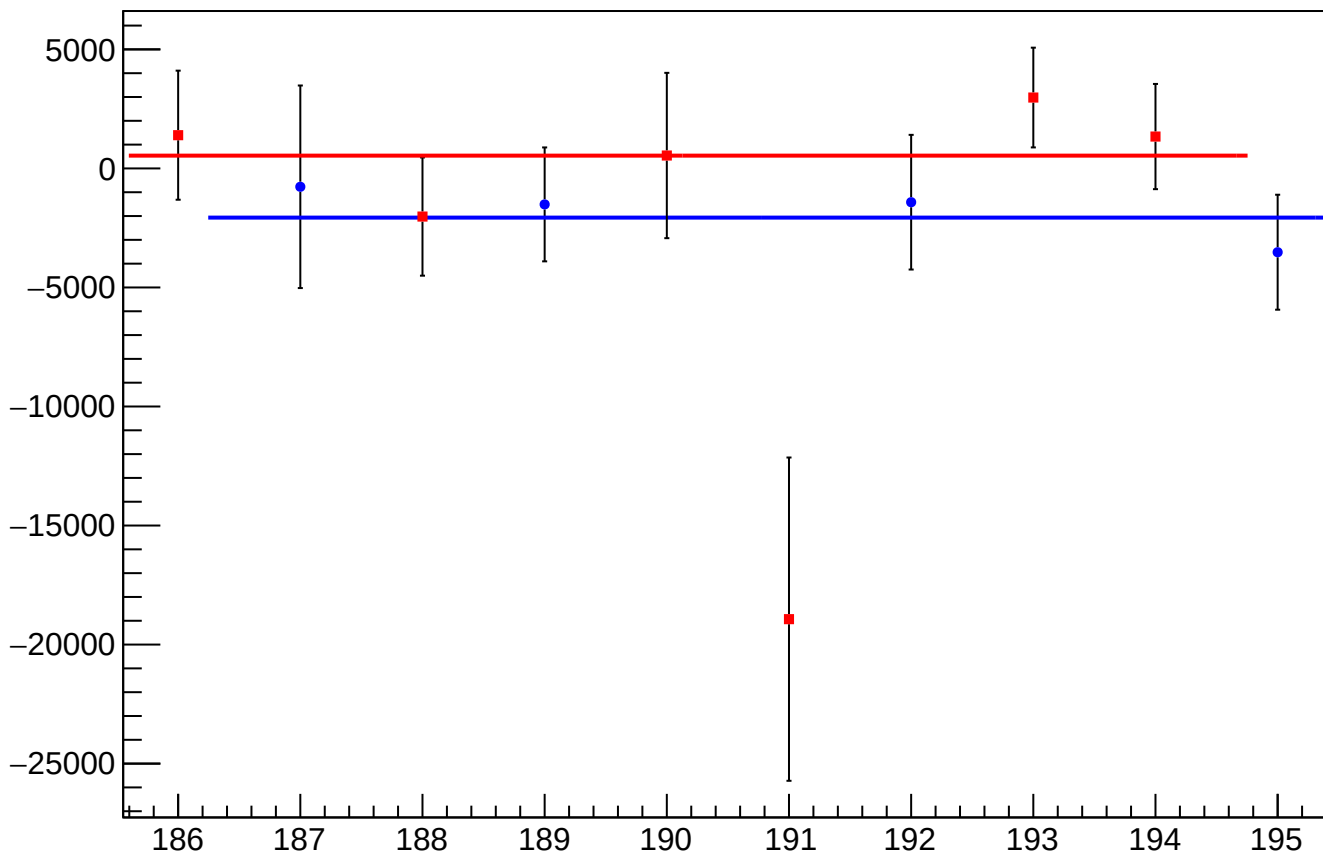
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1069.279 $\pm$ 0.366  $\chi^2$ /NDF: 979076.1/9

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

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



Right In: -2065.689+/-1378.162  $\chi^2$ /NDF: 0.6/3

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

Right Out: 537.340+/-1093.987  $\chi^2$ /NDF: 10.9/5

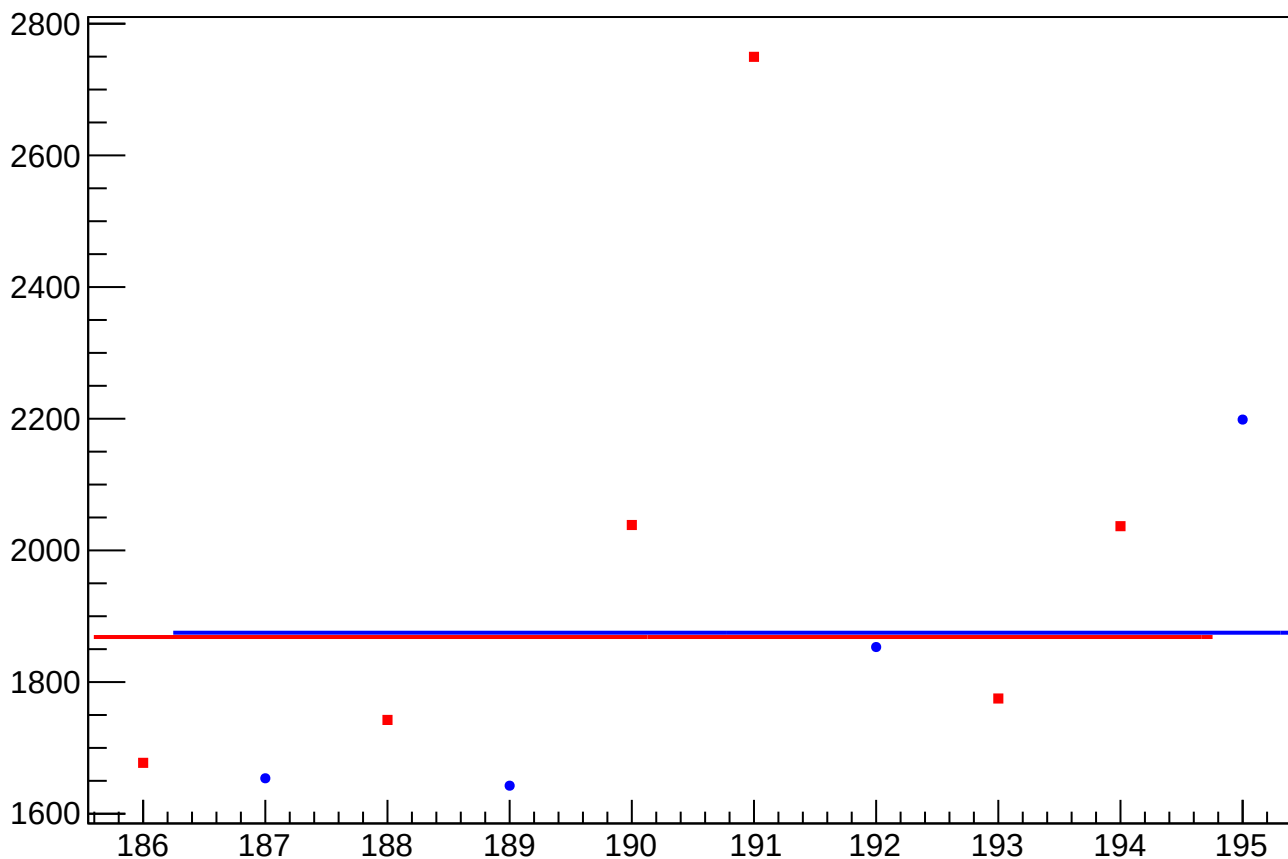
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

All: -468.857+/-856.845  $\chi^2$ /NDF: 13.6/9

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

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



Right In: 1874.977 $\pm$ 0.975  $\chi^2$ /NDF: 60336.7/3

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

Right Out: 1868.433 $\pm$ 0.774  $\chi^2$ /NDF: 69165.4/5

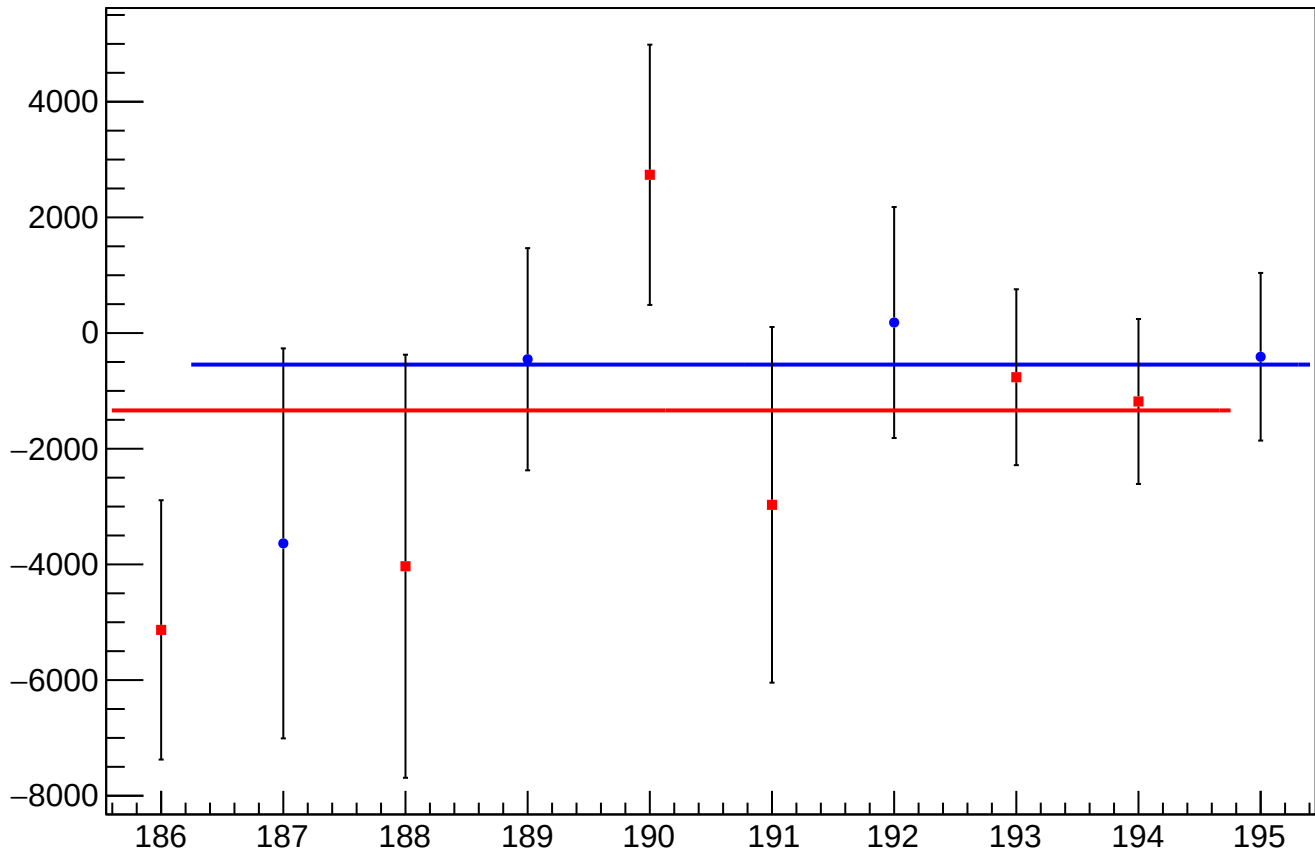
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1870.963 $\pm$ 0.606  $\chi^2$ /NDF: 129529.7/9

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

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



Right In: -545.000+/-959.732  $\chi^2/\text{NDF}$ : 1.0/3

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

Right Out: -1337.418+/-816.230  $\chi^2/\text{NDF}$ : 7.1/5

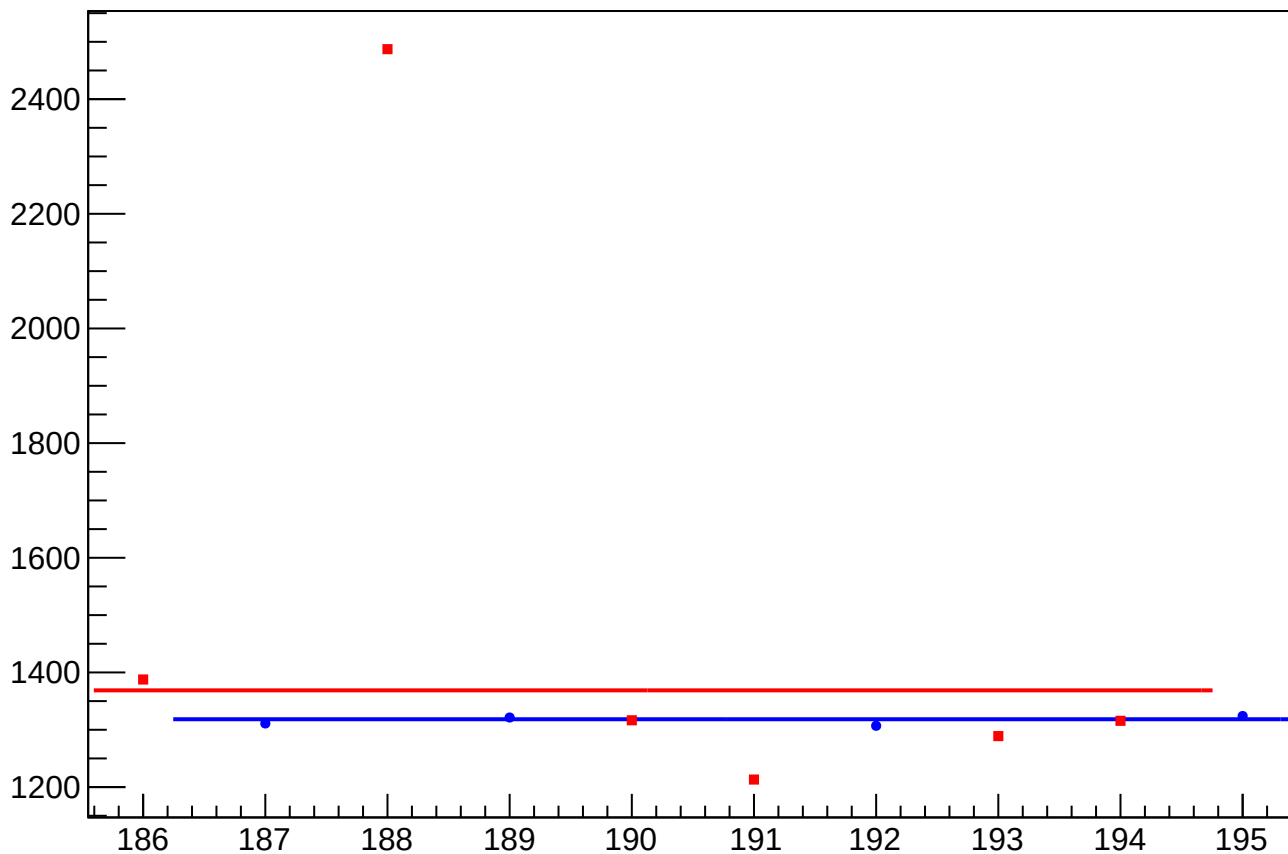
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -1004.823+/-621.771  $\chi^2/\text{NDF}$ : 8.5/9

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

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



Right In: 1318.356+/-0.679  $\chi^2/\text{NDF}$ : 110.1/3

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

Right Out: 1368.746+/-0.577  $\chi^2/\text{NDF}$ : 201609.4/5

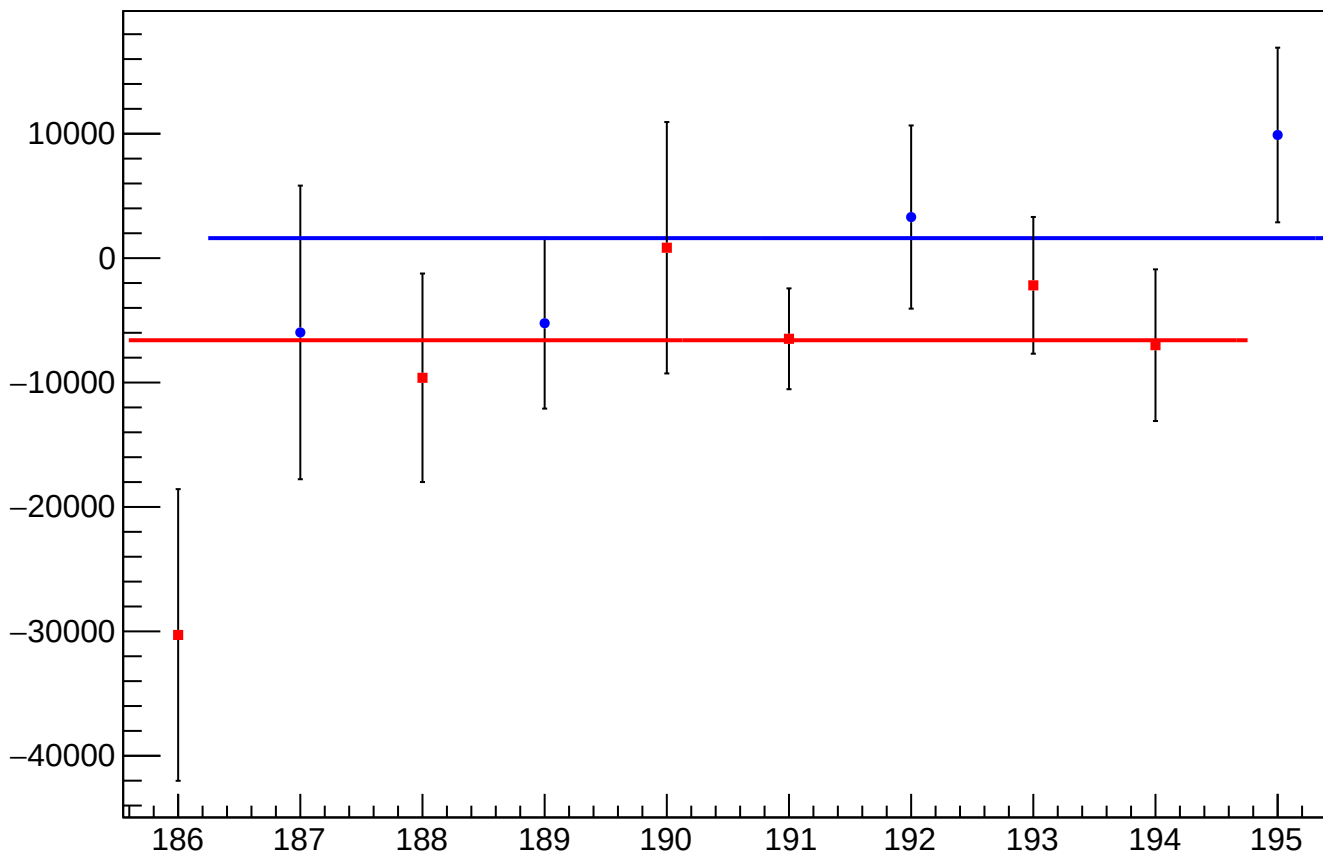
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1347.596+/-0.440  $\chi^2/\text{NDF}$ : 204918.7/9

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

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



Right In: 1607.729+/-3858.837  $\chi^2/\text{NDF}$ : 2.9/3

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

Right Out: -6599.776+/-2563.024  $\chi^2/\text{NDF}$ : 5.4/5

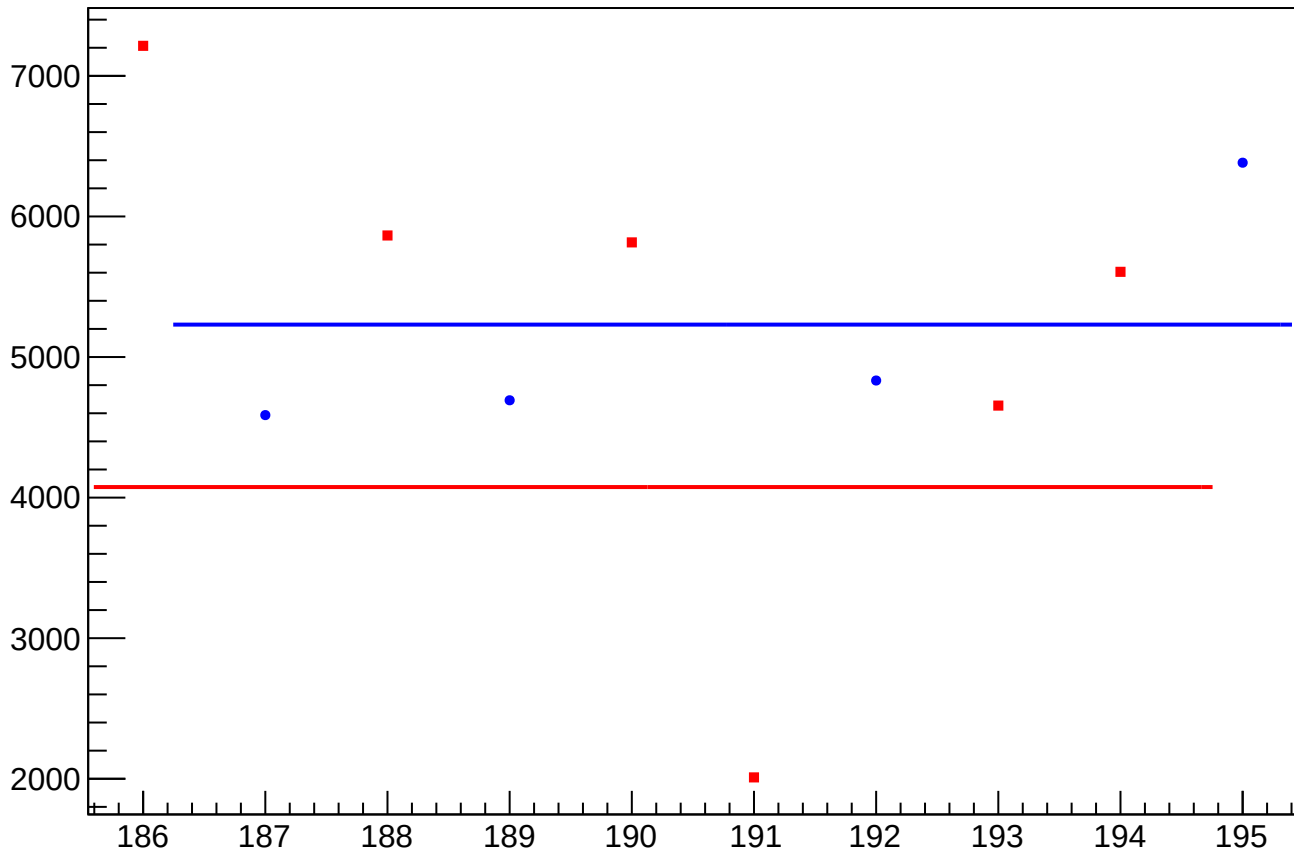
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -4087.354+/-2134.996  $\chi^2/\text{NDF}$ : 11.4/9

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

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



Right In: 5230.677+/-2.729  $\chi^2/\text{NDF}$ : 77947.9/3

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

Right Out: 4075.104+/-1.812  $\chi^2/\text{NDF}$ : 961850.2/5

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

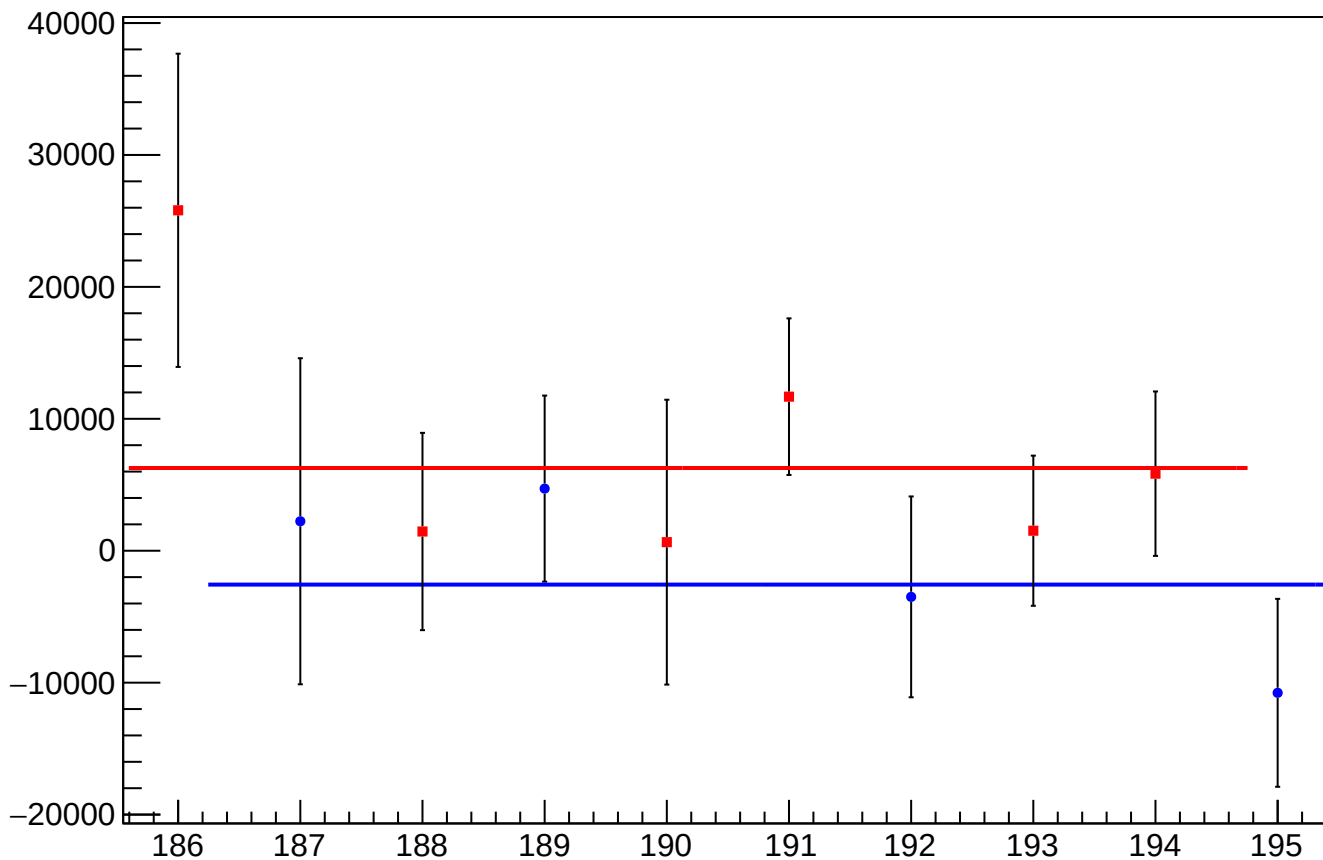
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4428.839+/-1.510  $\chi^2/\text{NDF}$ : 1164249.8/9

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



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



Right In: -2566.876+/-3964.504  $\chi^2/\text{NDF}$ : 2.6/3

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

Right Out: 6270.934+/-2904.065  $\chi^2/\text{NDF}$ : 4.9/5

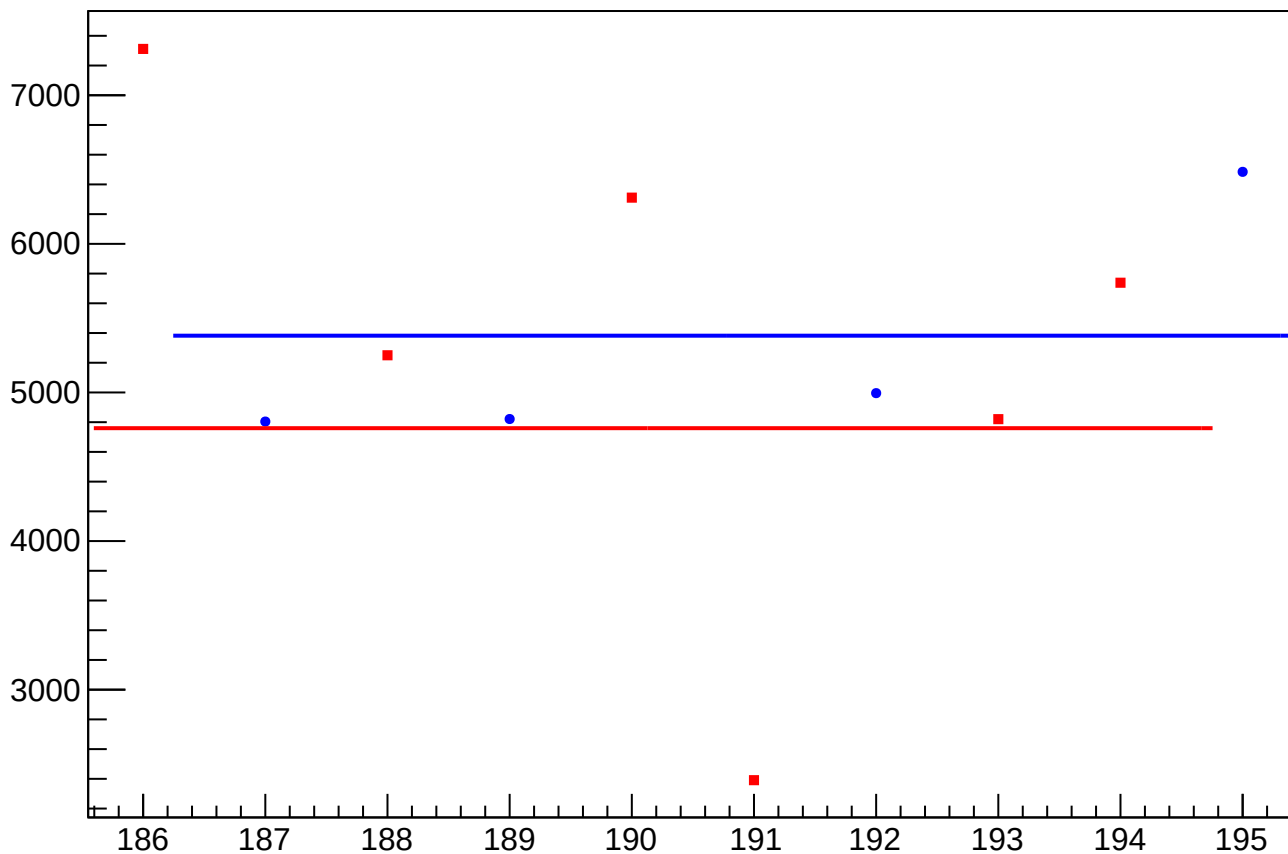
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 3184.733+/-2342.764  $\chi^2/\text{NDF}$ : 10.7/9

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

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



Right In: 5382.053+/-2.803  $\chi^2/\text{NDF}$ : 70092.1/3

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

Right Out: 4759.638+/-2.053  $\chi^2/\text{NDF}$ : 510507.9/5

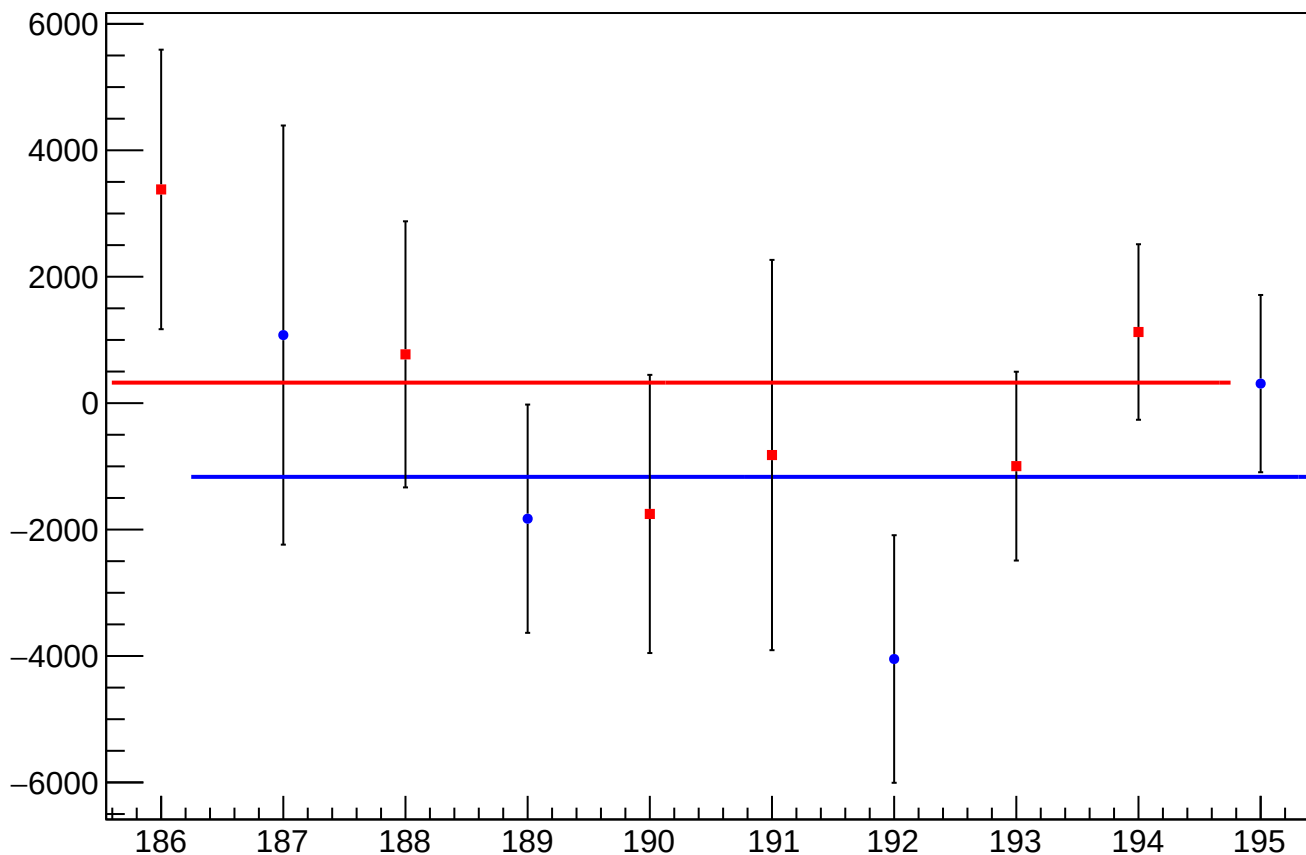
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 4976.987+/-1.657  $\chi^2/\text{NDF}$ : 612681.7/9

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

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



Right In: -1166.079 $\pm$ 925.684  $\chi^2$ /NDF: 3.9/3

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

Right Out: 324.706 $\pm$ 764.987  $\chi^2$ /NDF: 4.1/5

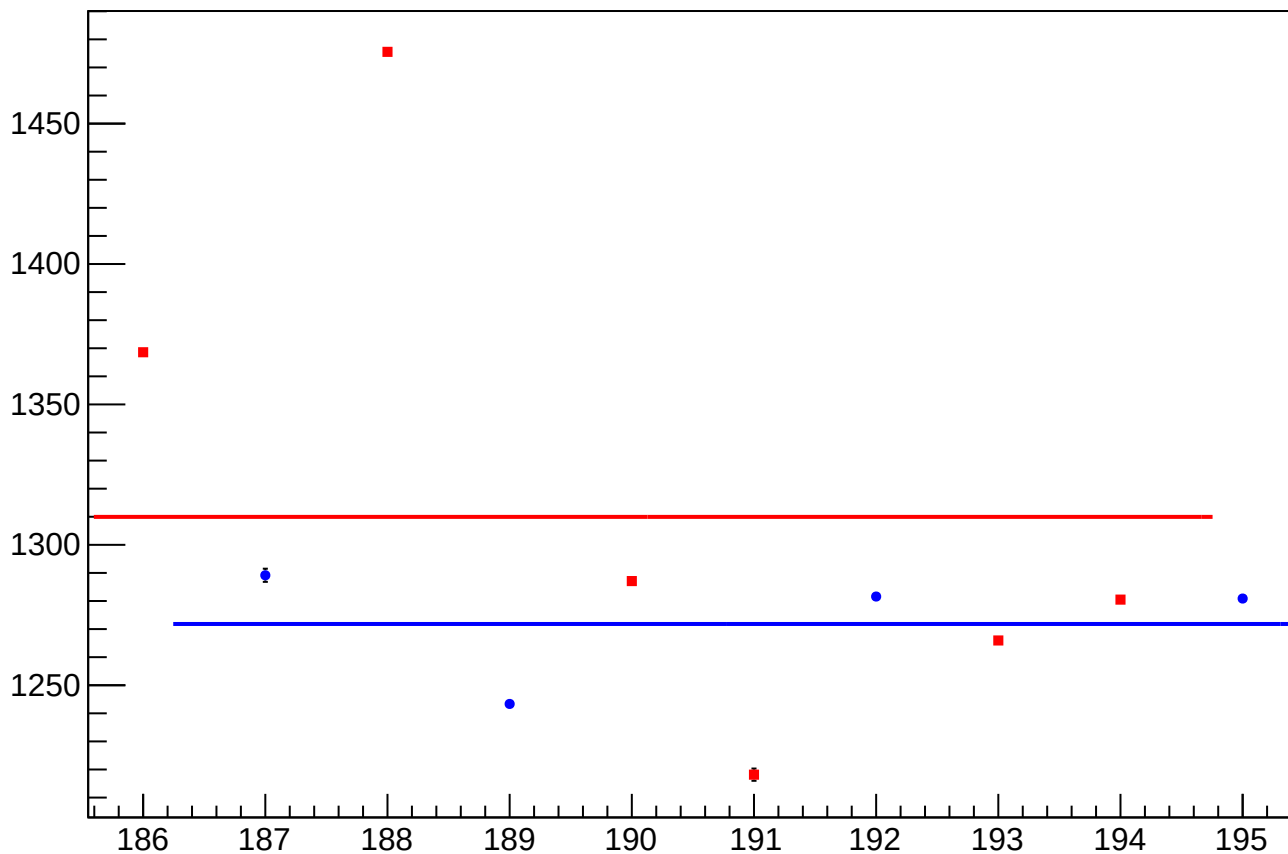
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -280.257 $\pm$ 589.684  $\chi^2$ /NDF: 9.5/9

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

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



Right In: 1271.818 $\pm$ 0.655  $\chi^2$ /NDF: 685.2/3

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

Right Out: 1309.956 $\pm$ 0.541  $\chi^2$ /NDF: 18406.5/5

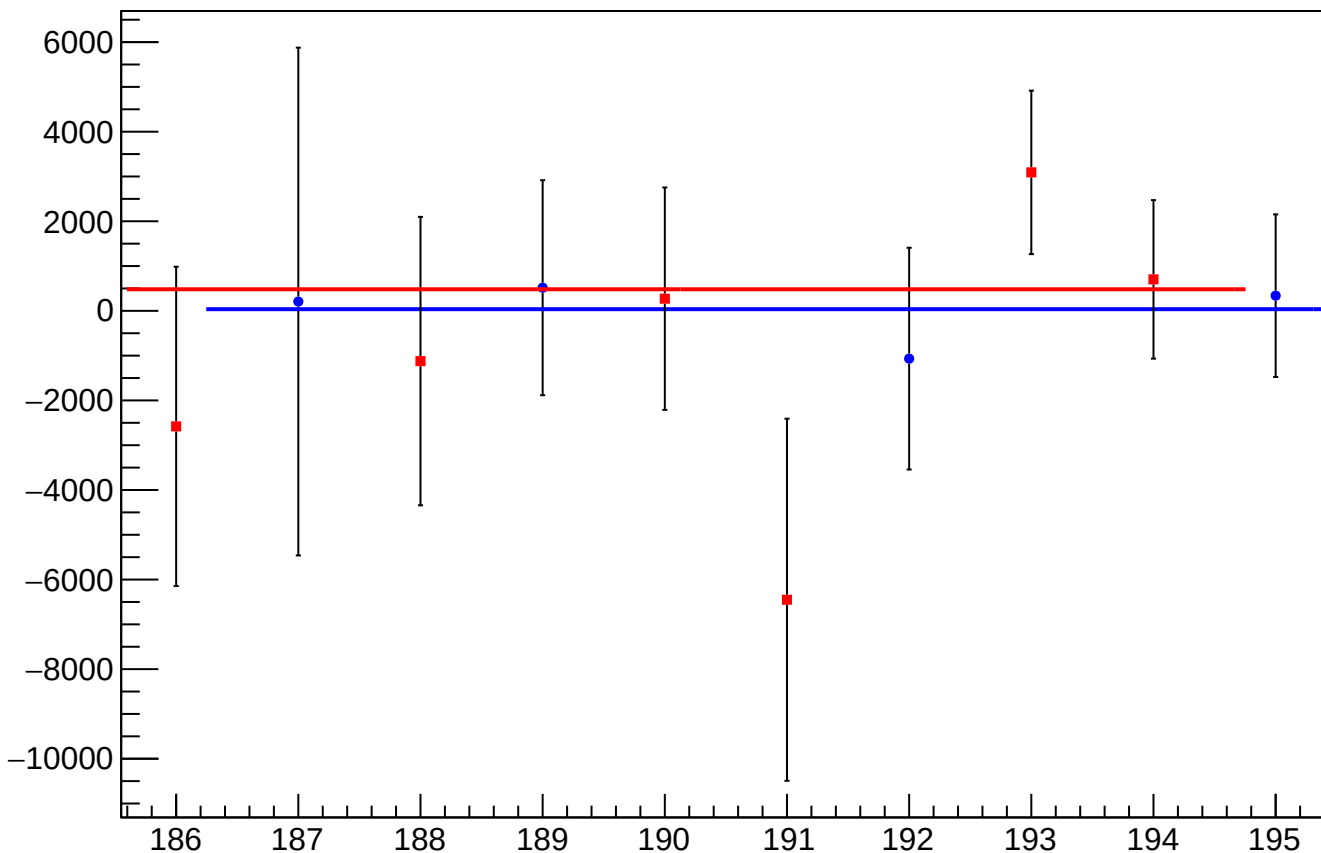
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1294.480 $\pm$ 0.417  $\chi^2$ /NDF: 21108.9/9

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

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



Right In: 36.846+/-1220.526  $\chi^2/\text{NDF}$ : 0.3/3

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

Right Out: 481.743+/-991.082  $\chi^2/\text{NDF}$ : 6.0/5

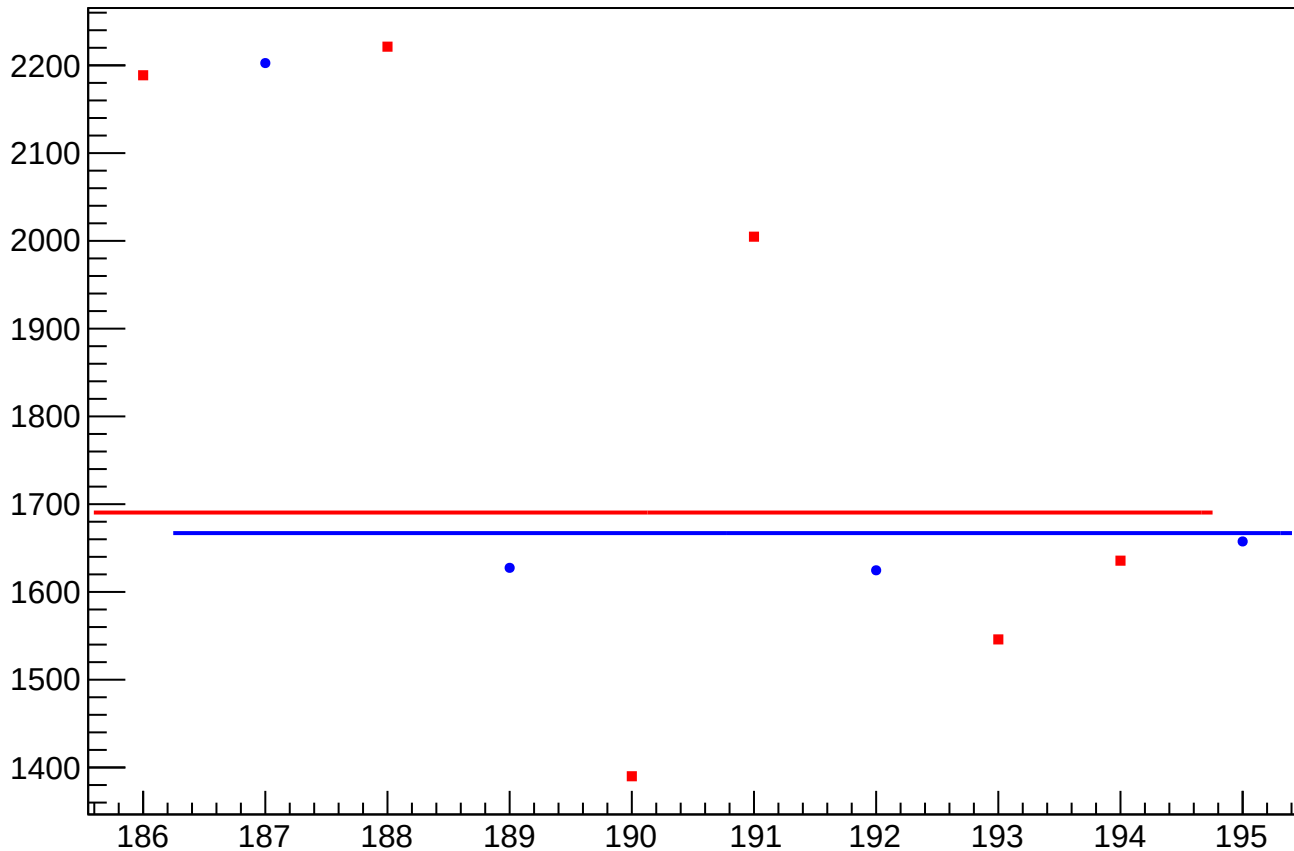
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 304.959+/-769.376  $\chi^2/\text{NDF}$ : 6.3/9

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

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



Right In: 1667.042+/-0.863  $\chi^2/\text{NDF}$ : 19036.2/3

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

Right Out: 1690.471+/-0.701  $\chi^2/\text{NDF}$ : 149267.3/5

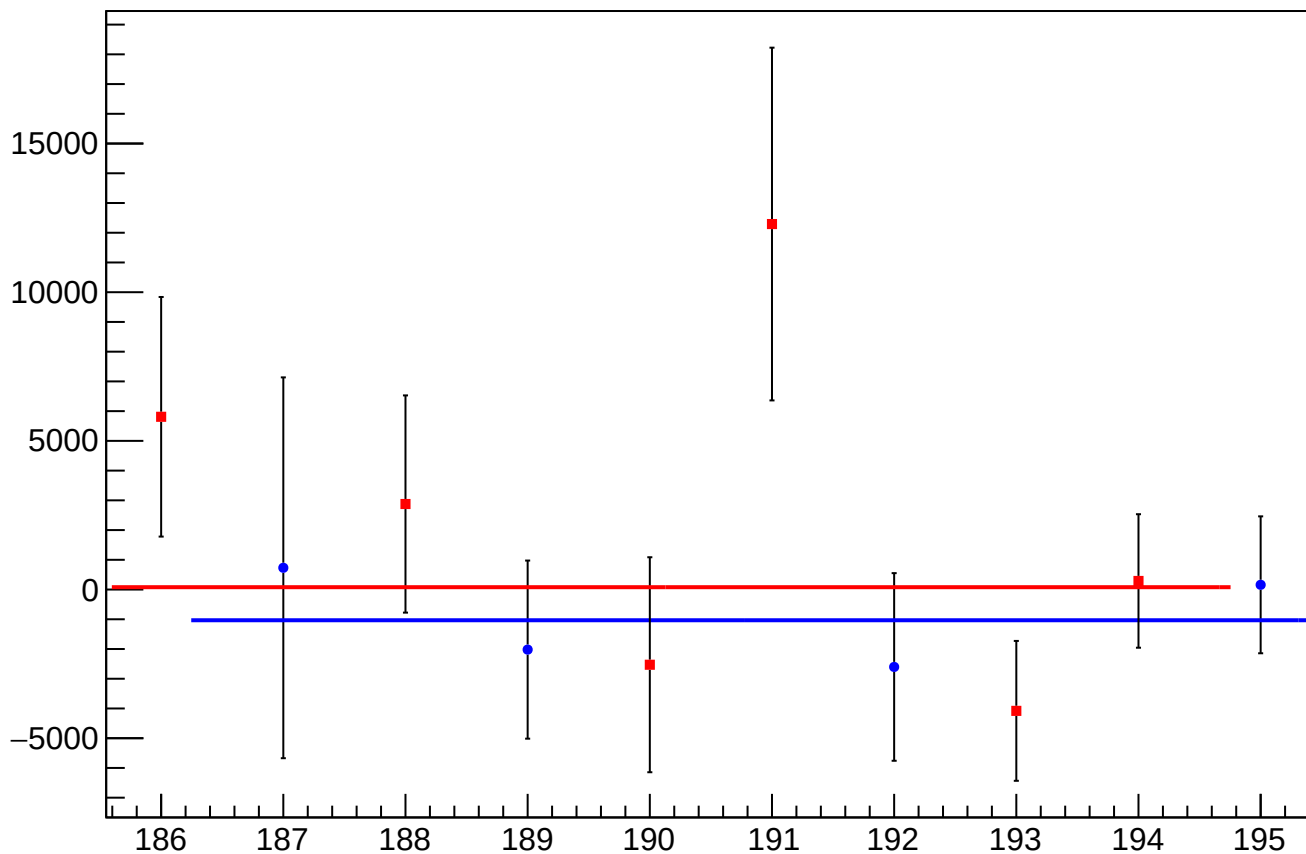
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1681.161+/-0.544  $\chi^2/\text{NDF}$ : 168747.6/9

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

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



Right In: -1032.888 $\pm$ 1534.050  $\chi^2$ /NDF: 0.7/3

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

Right Out: 79.000 $\pm$ 1269.362  $\chi^2$ /NDF: 10.5/5

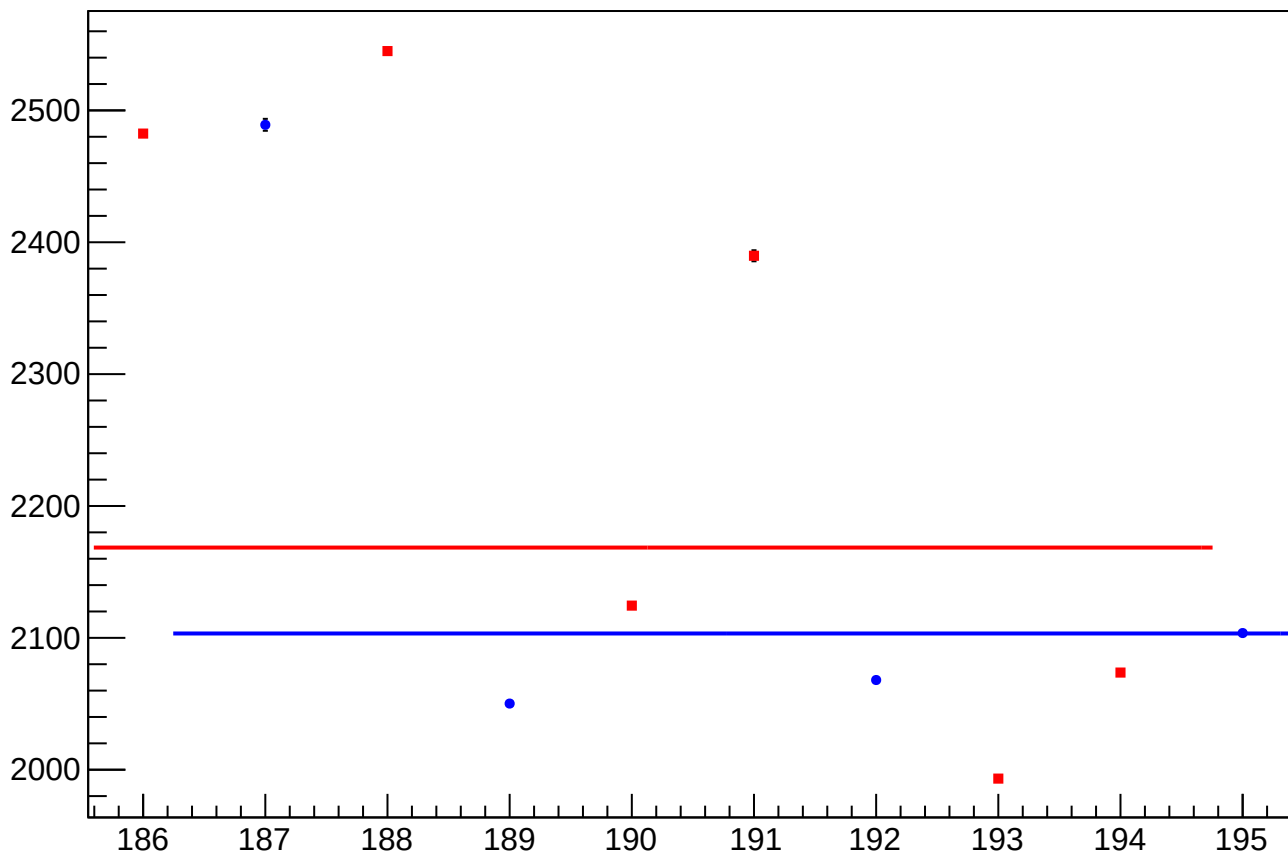
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -372.891 $\pm$ 977.971  $\chi^2$ /NDF: 11.5/9

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

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



Right In: 2103.316 $\pm$ 1.085  $\chi^2$ /NDF: 8137.0/3

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

Right Out: 2168.474 $\pm$ 0.898  $\chi^2$ /NDF: 51136.4/5

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

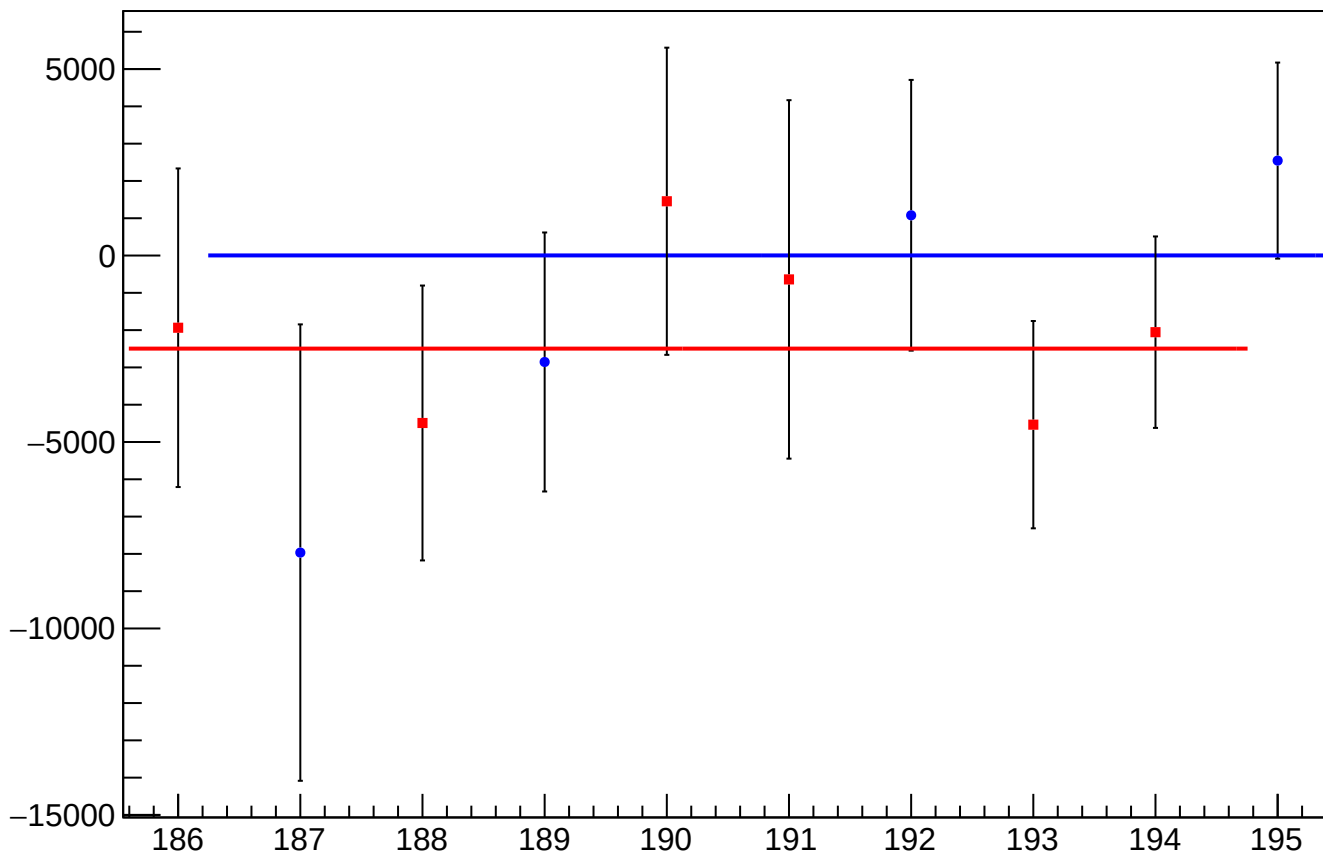
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2141.993 $\pm$ 0.692  $\chi^2$ /NDF: 61415.1/9

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



# dit\_asym\_atl1\_mean vs Slug



Right In: 2.970+/-1740.043  $\chi^2/\text{NDF}$ : 3.4/3

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

Right Out: -2495.688+/-1397.728  $\chi^2/\text{NDF}$ : 1.9/5

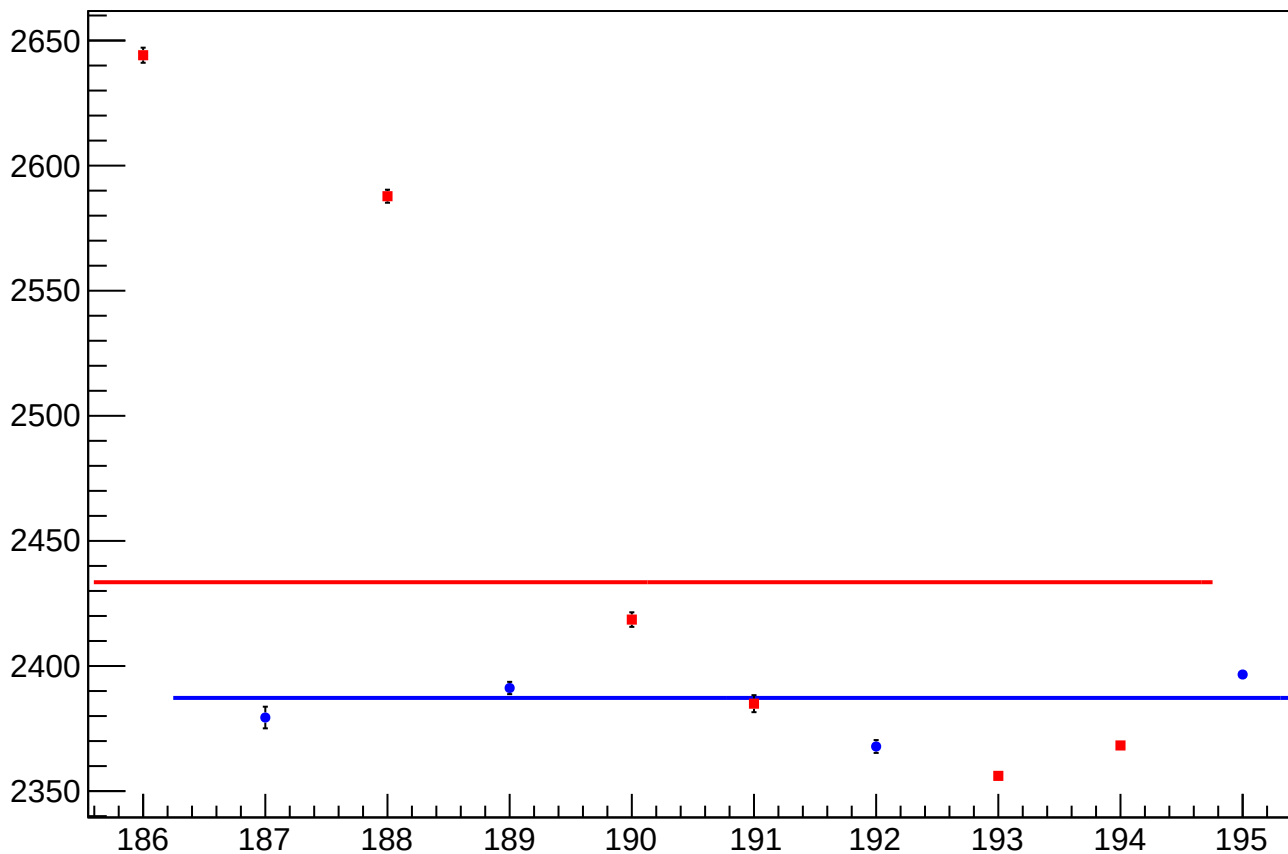
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -1515.744+/-1089.701  $\chi^2/\text{NDF}$ : 6.6/9

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

# dit\_asym\_atl1\_rms vs Slug



Right In: 2387.247 $\pm$ 1.230  $\chi^2$ /NDF: 88.4/3

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

Right Out: 2433.489 $\pm$ 0.988  $\chi^2$ /NDF: 11440.5/5

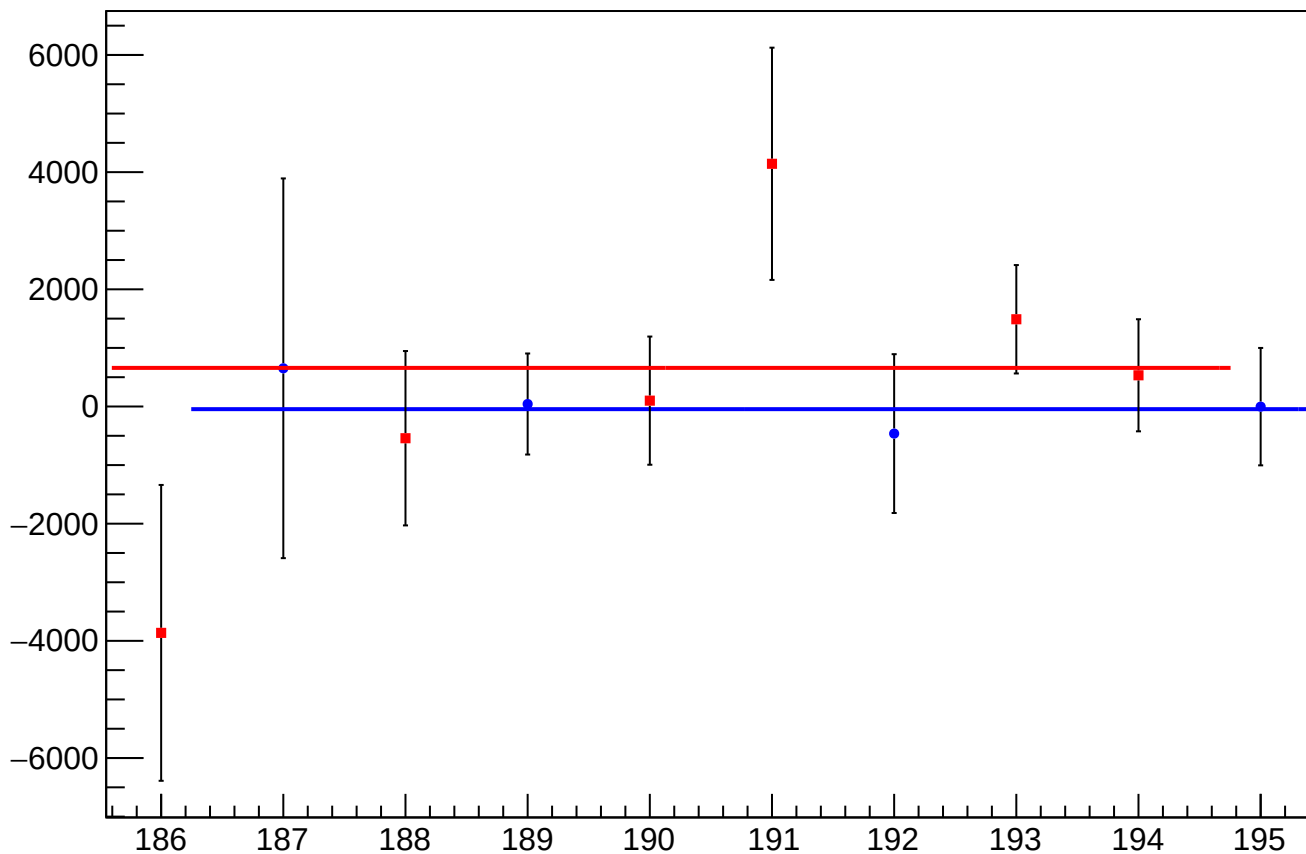
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2415.354 $\pm$ 0.771  $\chi^2$ /NDF: 12387.5/9

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

# asym\_atl1\_correction\_mean vs Slug



Right In:  $-45.337 \pm 579.247$   $\chi^2/\text{NDF}$ : 0.2/3

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

Right Out:  $658.977 \pm 502.525$   $\chi^2/\text{NDF}$ : 8.0/5

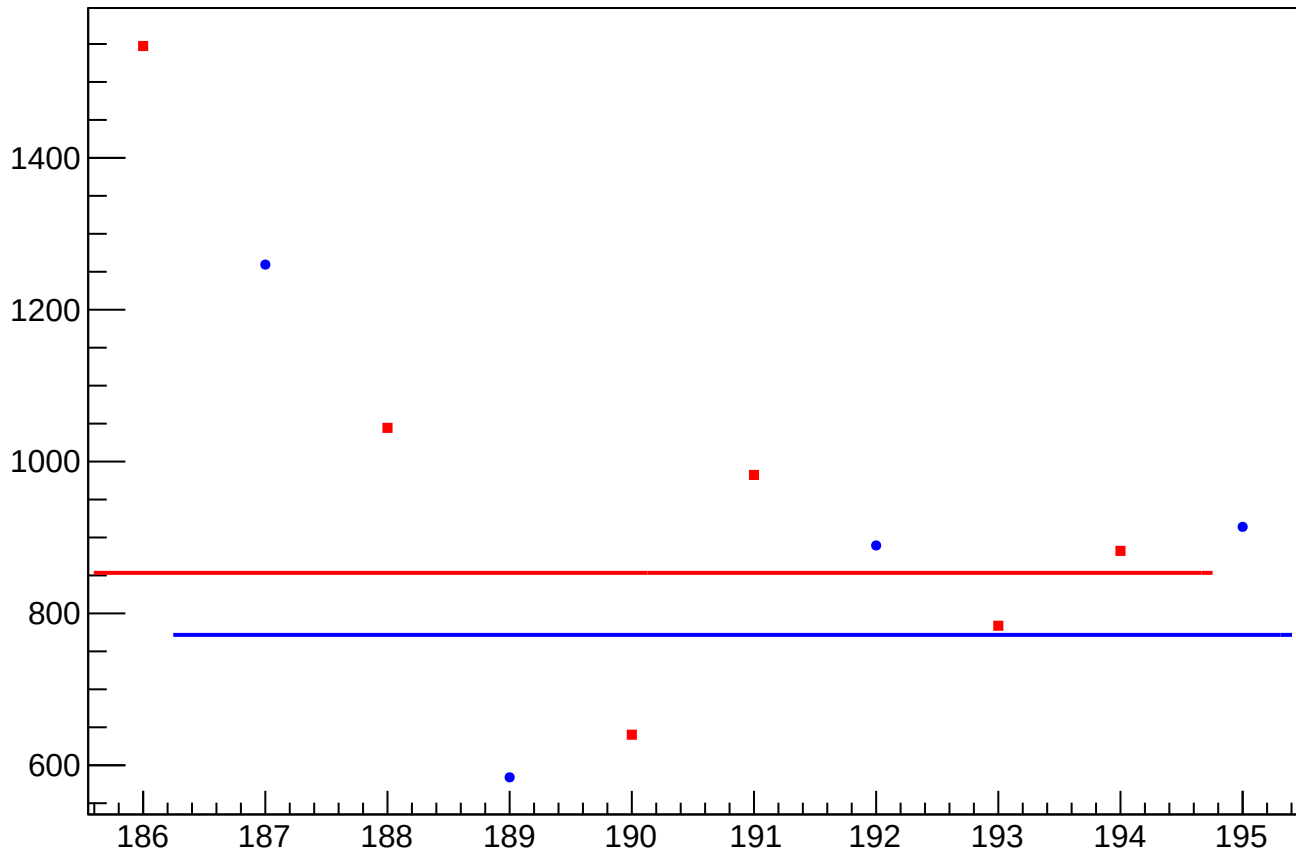
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $356.522 \pm 379.587$   $\chi^2/\text{NDF}$ : 9.0/9

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

# asym\_atl1\_correction\_rms vs Slug



Right In: 771.711 $\pm$ 0.410  $\chi^2$ /NDF: 195428.8/3

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

Right Out: 853.430 $\pm$ 0.355  $\chi^2$ /NDF: 281599.8/5

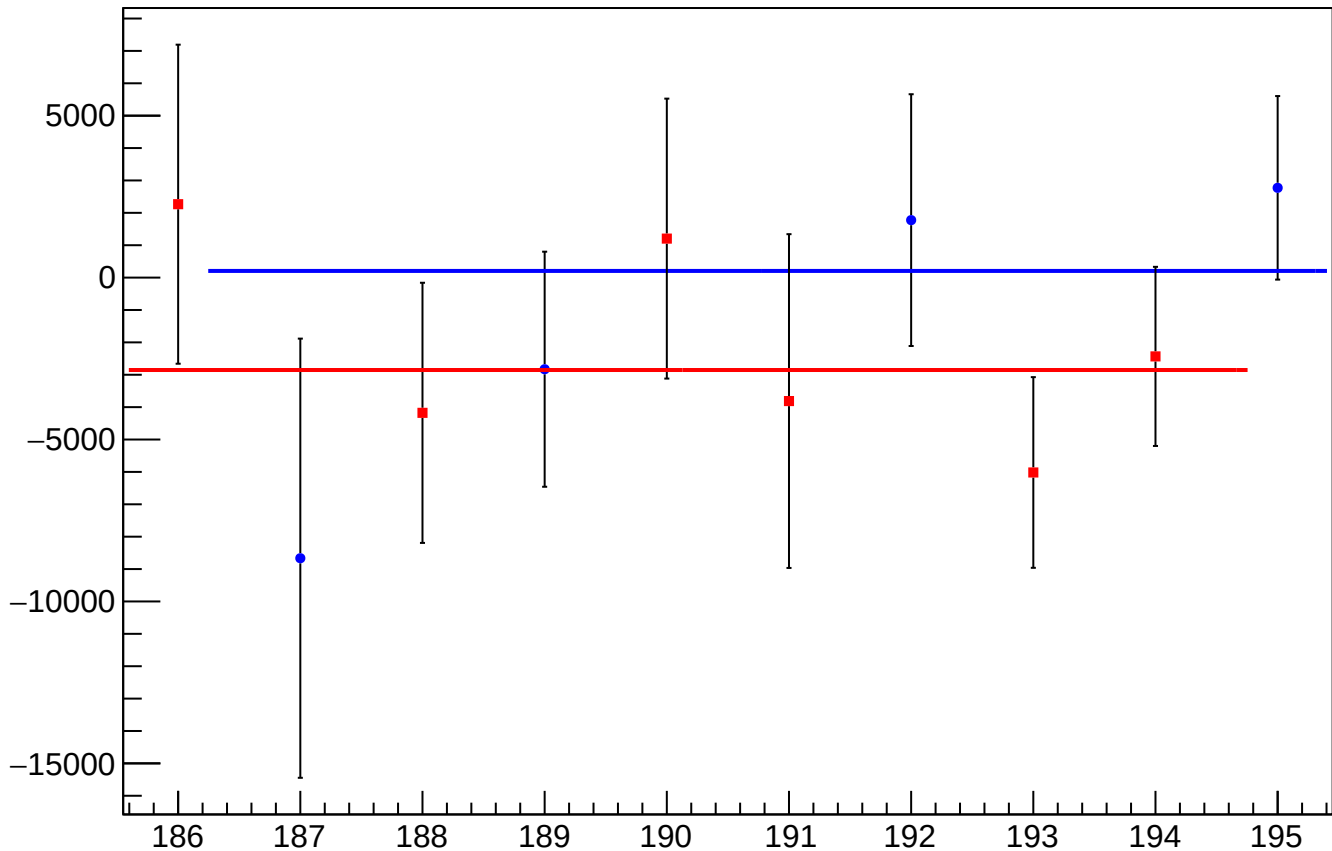
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 818.337 $\pm$ 0.268  $\chi^2$ /NDF: 499740.8/9

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

# asym\_atl1\_mean vs Slug



Right In: 206.074 $\pm$ 1862.213  $\chi^2$ /NDF: 3.4/3

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

Right Out: -2853.396 $\pm$ 1506.711  $\chi^2$ /NDF: 3.3/5

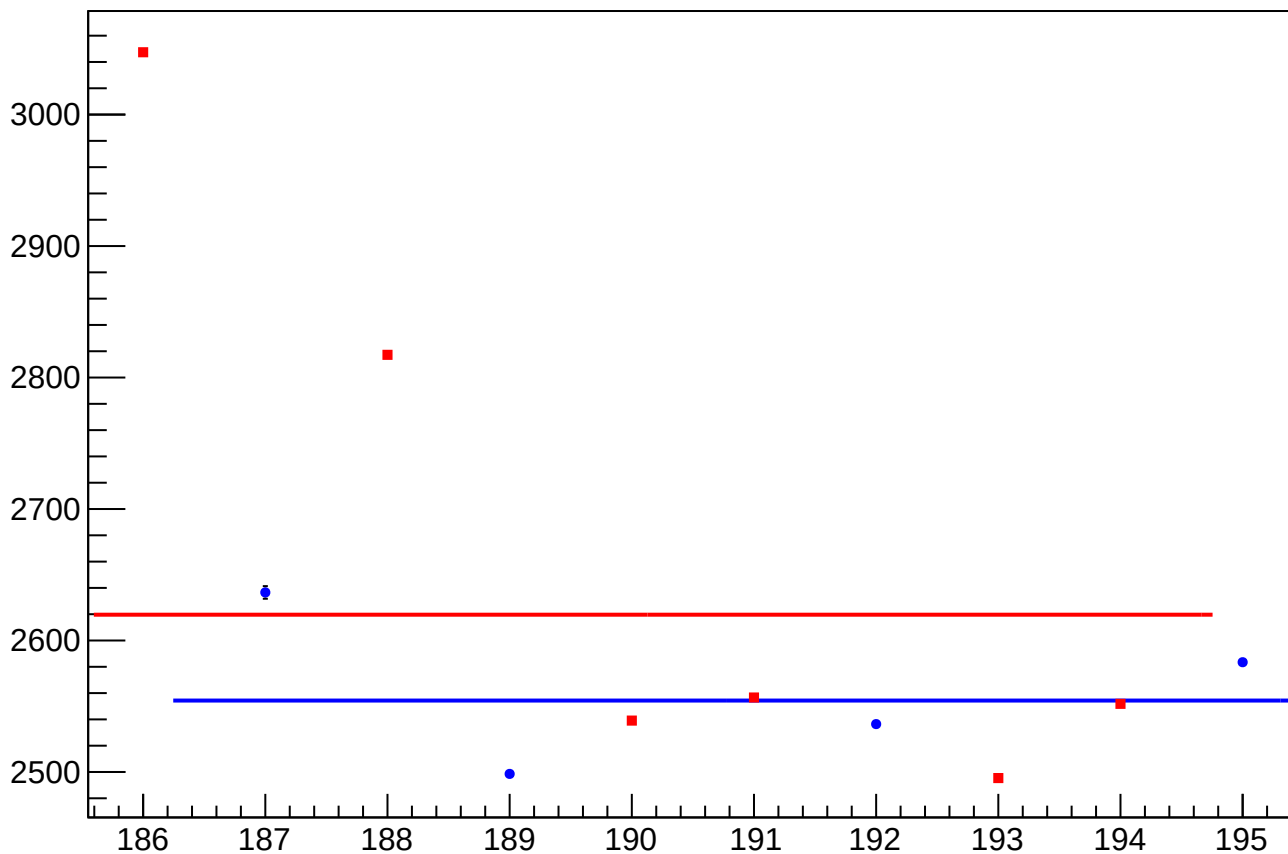
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -1642.953 $\pm$ 1171.328  $\chi^2$ /NDF: 8.3/9

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

# asym\_atl1\_rms vs Slug



Right In: 2554.330+/-1.317  $\chi^2/\text{NDF}$ : 1020.6/3

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

Right Out: 2619.624+/-1.065  $\chi^2/\text{NDF}$ : 25683.0/5

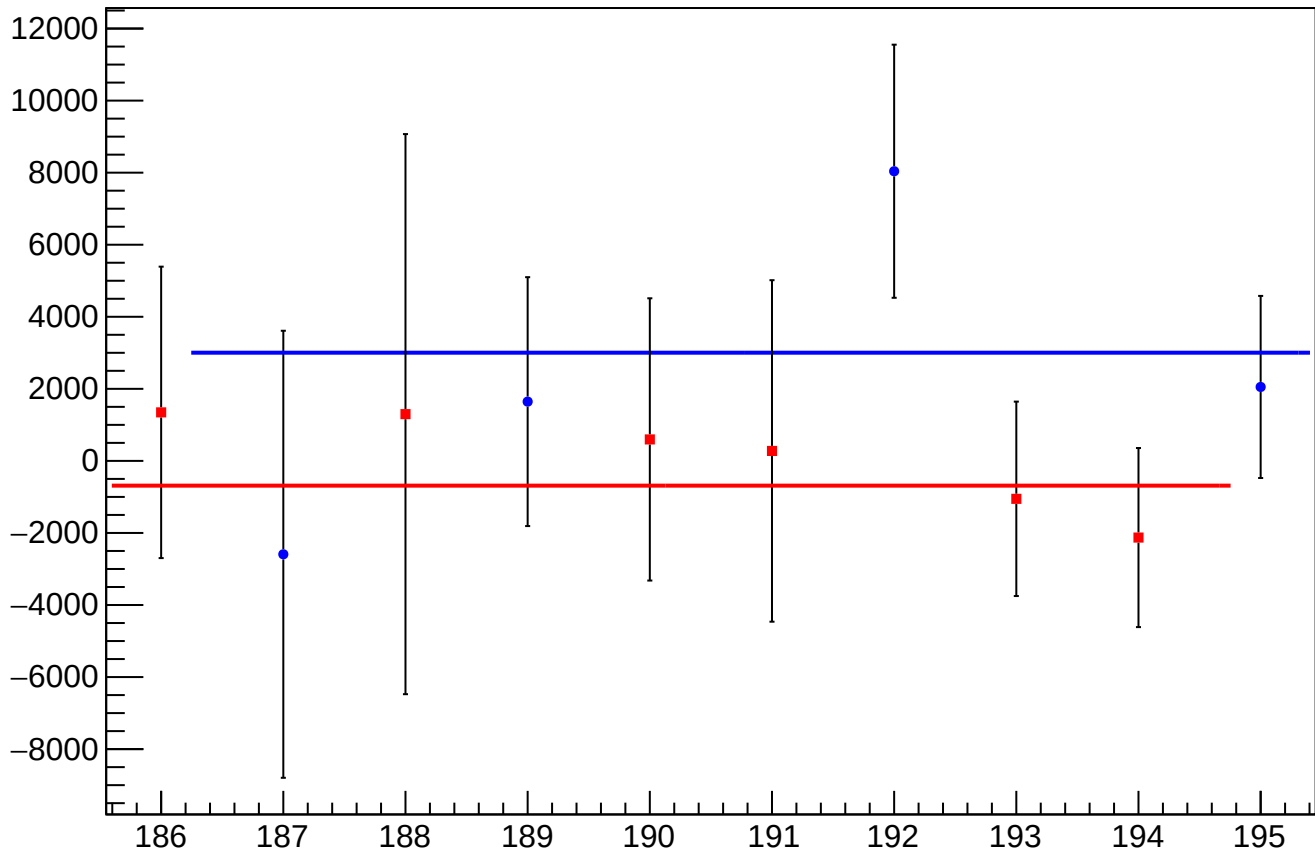
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2593.791+/-0.828  $\chi^2/\text{NDF}$ : 28189.6/9

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

# dit\_asym\_atl2\_mean vs Slug



Right In: 3003.317 $\pm$ 1696.593  $\chi^2$ /NDF: 3.2/3

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

Right Out: -686.822 $\pm$ 1433.467  $\chi^2$ /NDF: 0.8/5

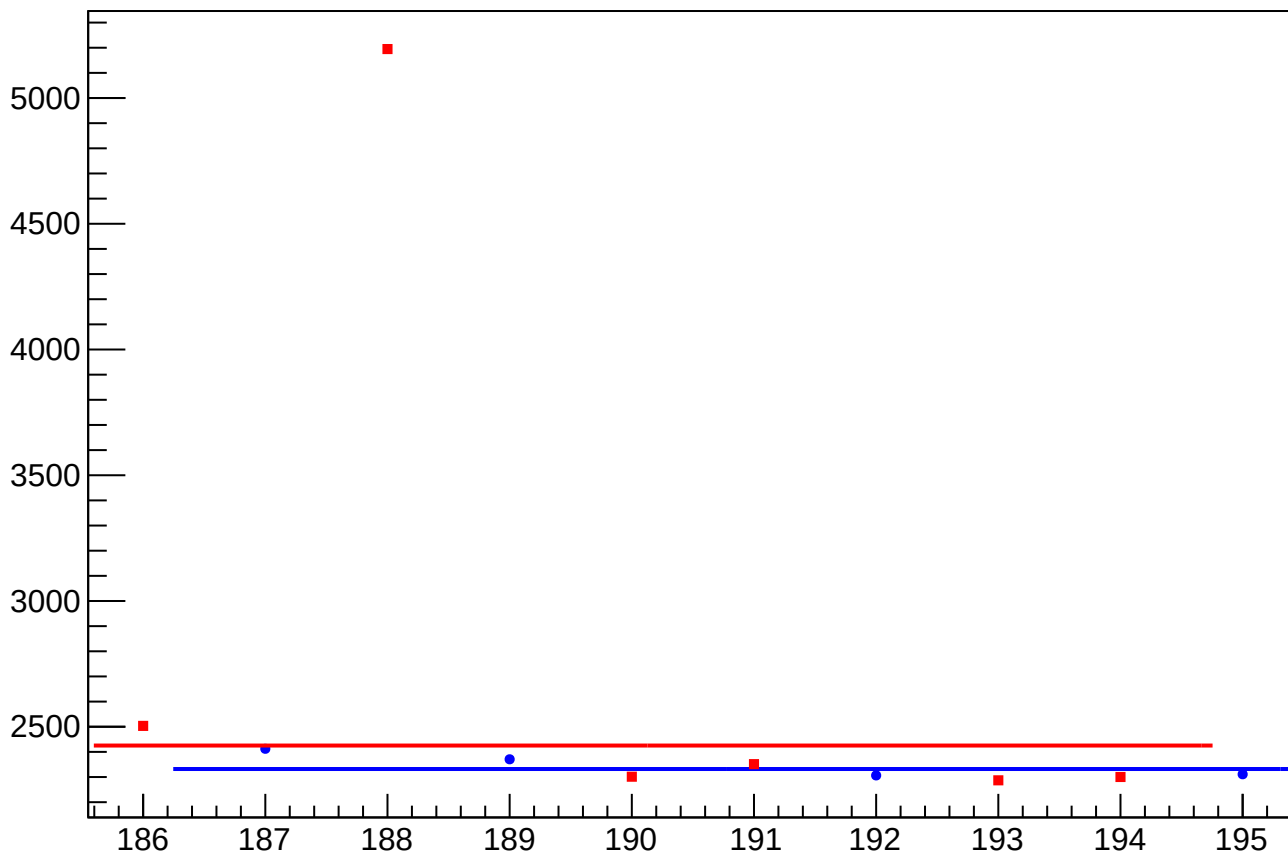
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 850.216 $\pm$ 1094.961  $\chi^2$ /NDF: 6.7/9

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

# dit\_asym\_atl2\_rms vs Slug



Right In: 2331.920+/-1.200  $\chi^2/\text{NDF}$ : 828.0/3

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

Right Out: 2425.235+/-1.014  $\chi^2/\text{NDF}$ : 267439.0/5

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

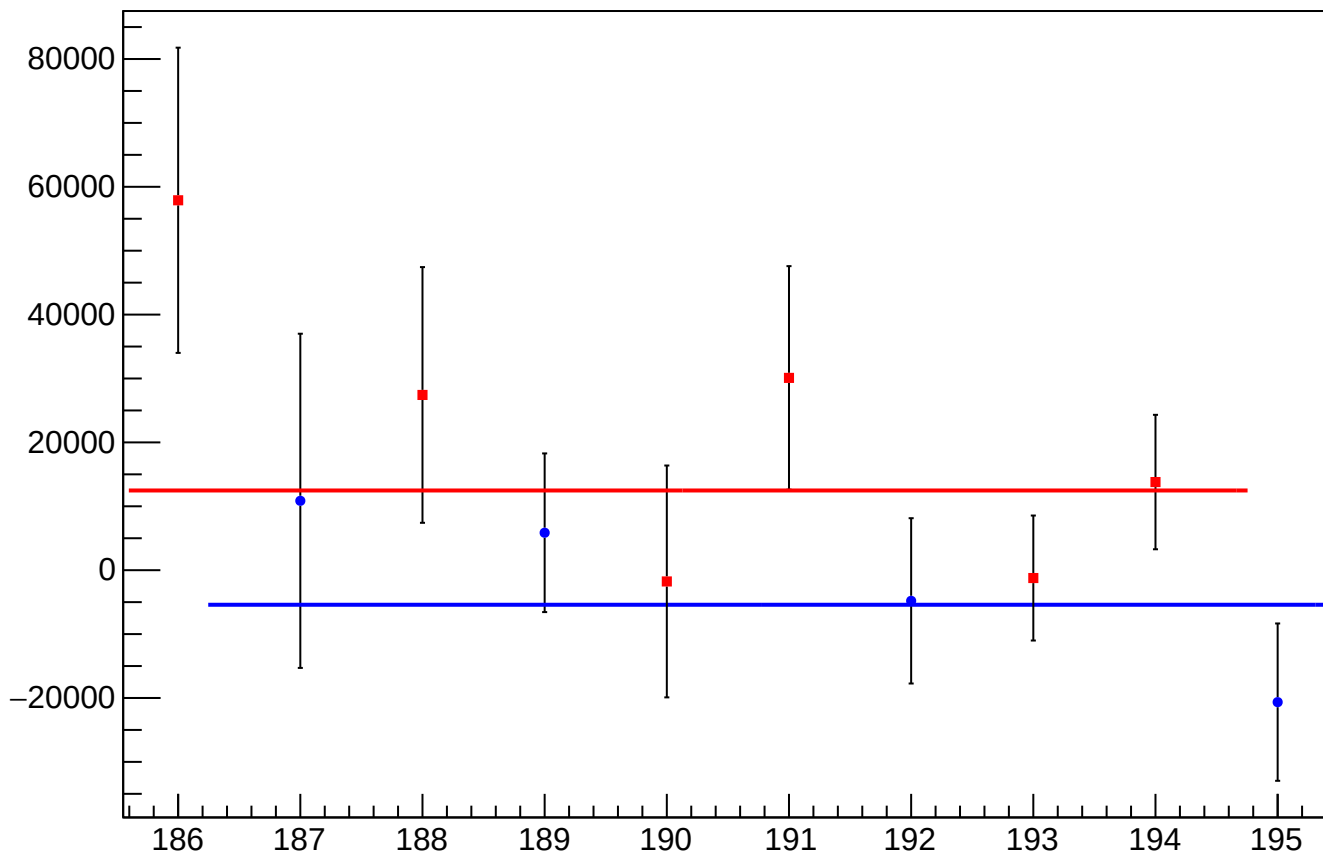
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2386.367+/-0.774  $\chi^2/\text{NDF}$ : 271797.3/9

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



# asym\_atl2\_correction\_mean vs Slug



Right In: -5410.346+/-6980.364  $\chi^2/\text{NDF}$ : 2.7/3

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

Right Out: 12474.585+/-5769.020  $\chi^2/\text{NDF}$ : 7.8/5

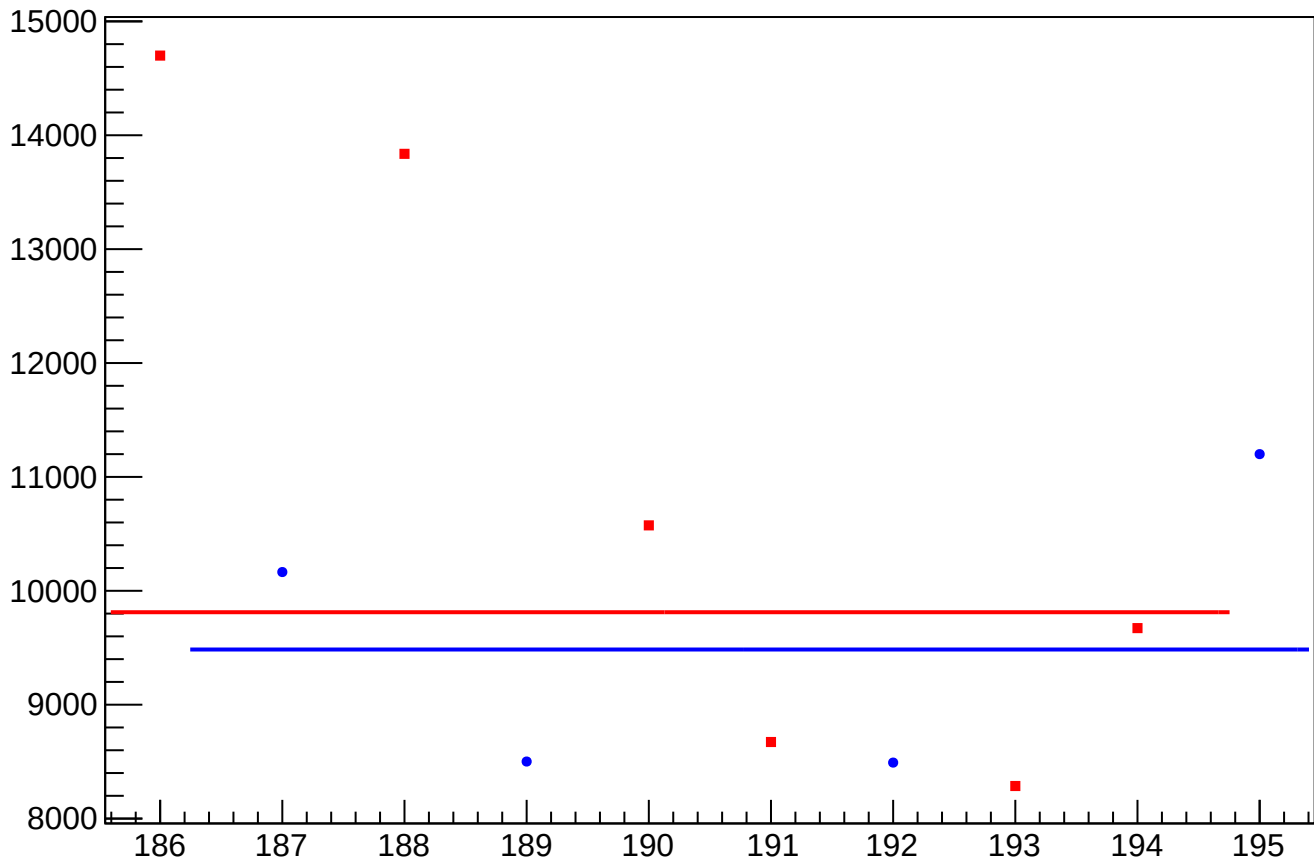
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5216.199+/-4446.871  $\chi^2/\text{NDF}$ : 14.4/9

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

# asym\_atl2\_correction\_rms vs Slug



Right In: 9484.542+/-4.936  $\chi^2/\text{NDF}$ : 64524.7/3

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

Right Out: 9811.974+/-4.079  $\chi^2/\text{NDF}$ : 225734.2/5

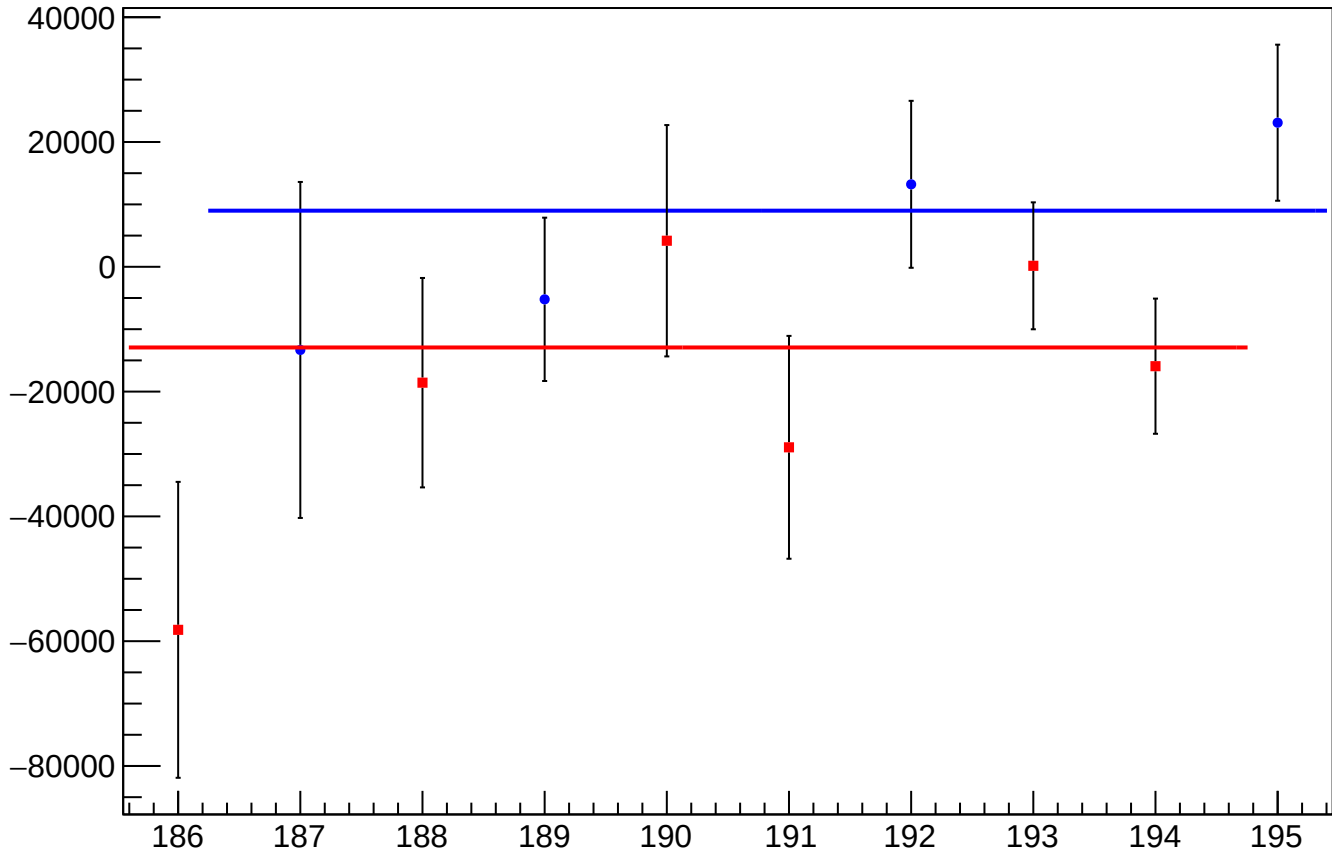
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 9679.089+/-3.144  $\chi^2/\text{NDF}$ : 292873.6/9

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

# asym\_atl2\_mean vs Slug



Right In: 8994.298 $\pm$ 7216.934  $\chi^2$ /NDF: 3.2/3

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

Right Out: -12928.769 $\pm$ 5816.065  $\chi^2$ /NDF: 7.1/5

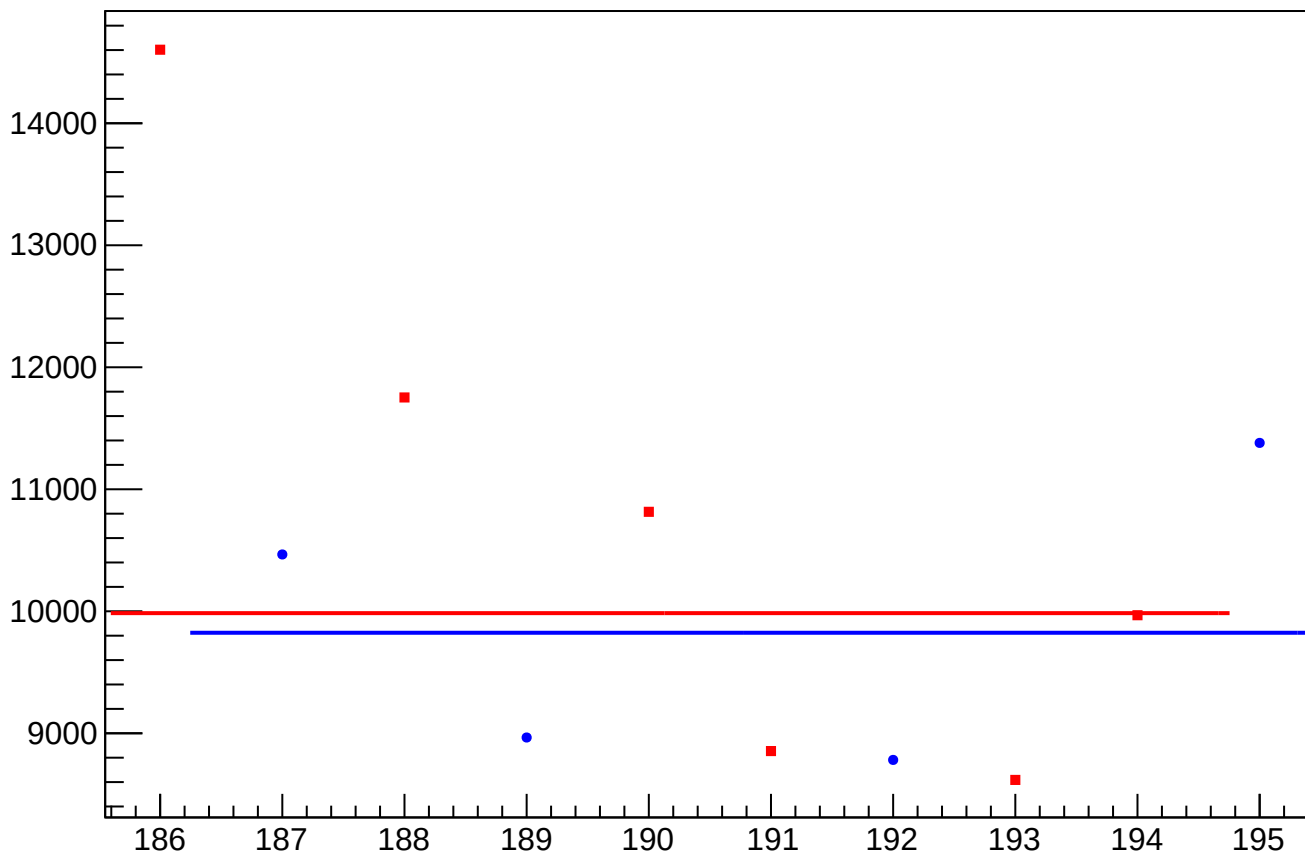
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -4296.751 $\pm$ 4528.540  $\chi^2$ /NDF: 16.0/9

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

# asym\_atl2\_rms vs Slug



Right In: 9823.996 $\pm$ 5.103  $\chi^2$ /NDF: 52854.3/3

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

Right Out: 9984.798 $\pm$ 4.113  $\chi^2$ /NDF: 146200.4/5

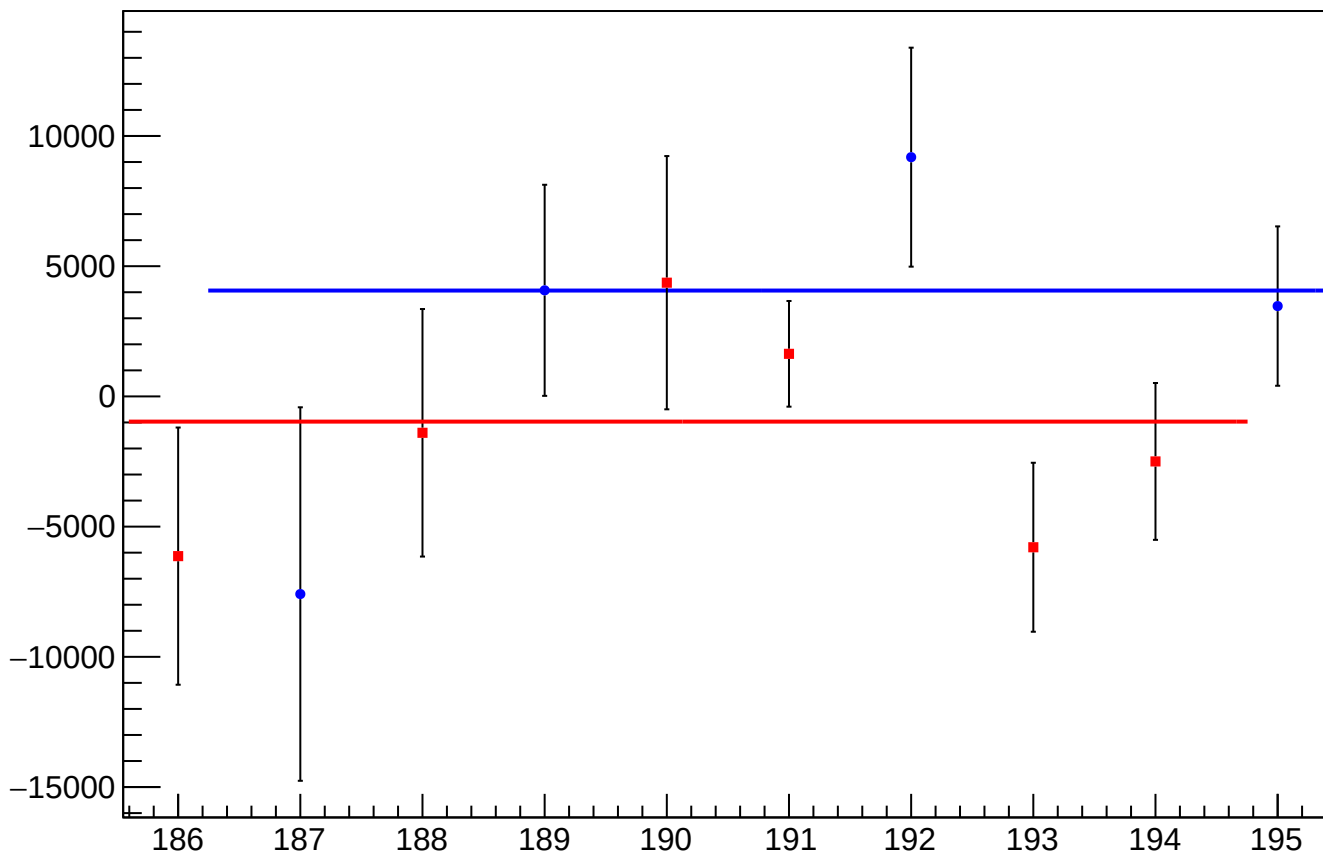
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 9921.484 $\pm$ 3.202  $\chi^2$ /NDF: 199656.7/9

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

# dit\_asym\_atr1\_mean vs Slug



Right In: 4064.768 $\pm$ 2025.634  $\chi^2$ /NDF: 4.2/3

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

Right Out: -967.743 $\pm$ 1317.873  $\chi^2$ /NDF: 6.4/5

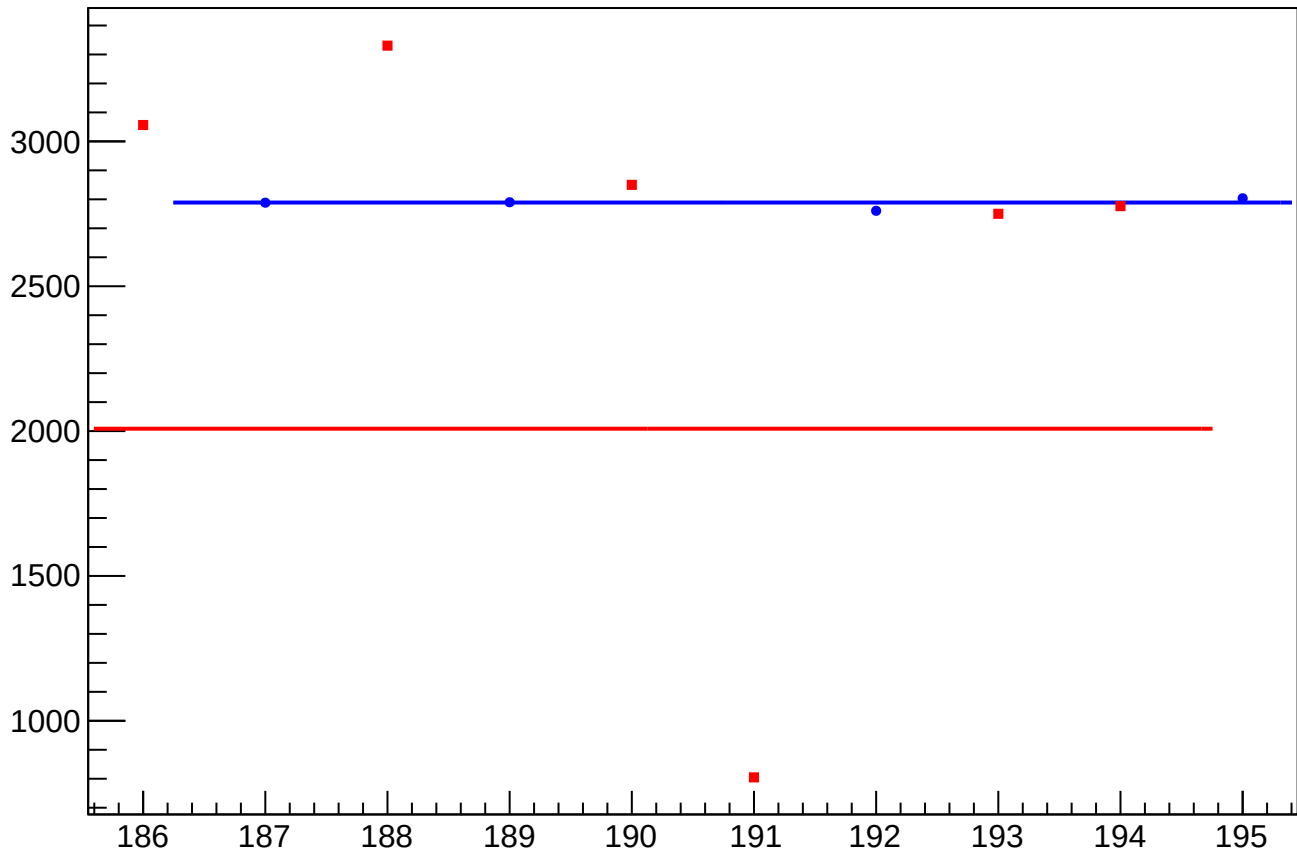
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 528.908 $\pm$ 1104.660  $\chi^2$ /NDF: 14.9/9

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

# dit\_asym\_atr1\_rms vs Slug



Right In: 2788.932 $\pm$ 1.432  $\chi^2$ /NDF: 138.3/3

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

Right Out: 2008.227 $\pm$ 0.932  $\chi^2$ /NDF: 1243372.8/5

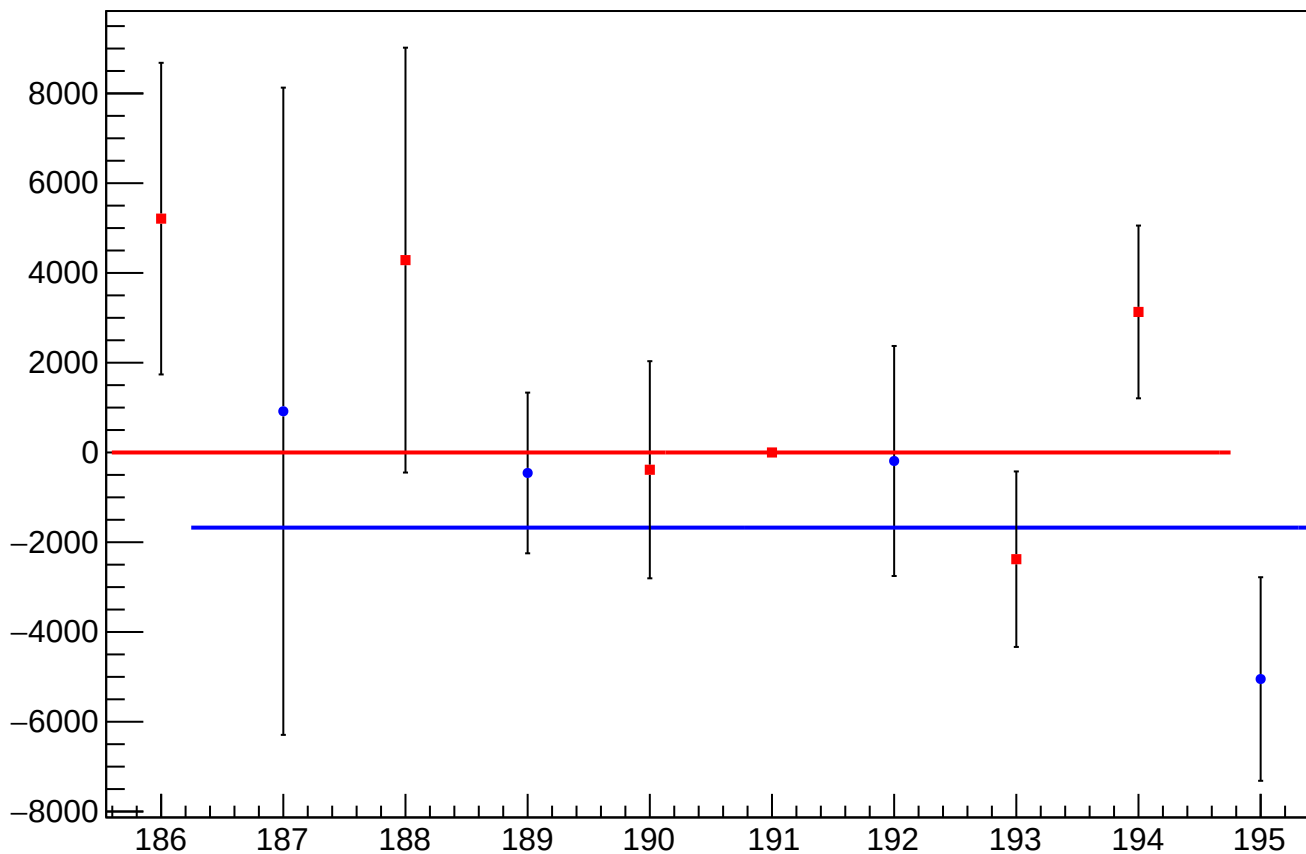
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2240.406 $\pm$ 0.781  $\chi^2$ /NDF: 1452245.0/9

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

# asym\_atr1\_correction\_mean vs Slug



Right In: -1674.378 $\pm$ 1214.562  $\chi^2$ /NDF: 3.1/3

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

Right Out: -0.292 $\pm$ 3.660  $\chi^2$ /NDF: 7.2/5

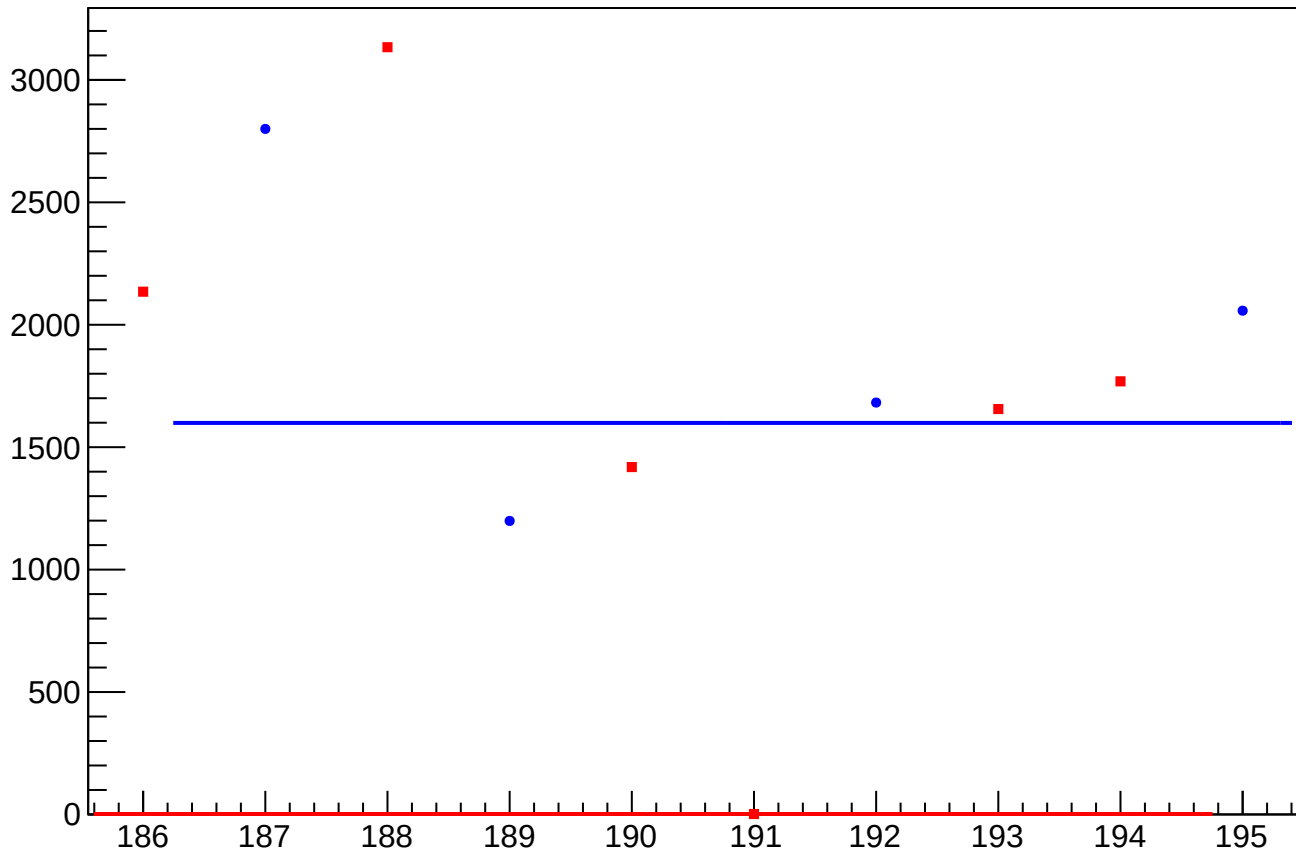
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -0.307 $\pm$ 3.660  $\chi^2$ /NDF: 12.3/9

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

# asym\_atr1\_correction\_rms vs Slug



Right In: 1599.116 $\pm$ 0.859  $\chi^2$ /NDF: 239268.6/3

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

Right Out: 1.835 $\pm$ 0.003  $\chi^2$ /NDF: 5433890.1/5

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

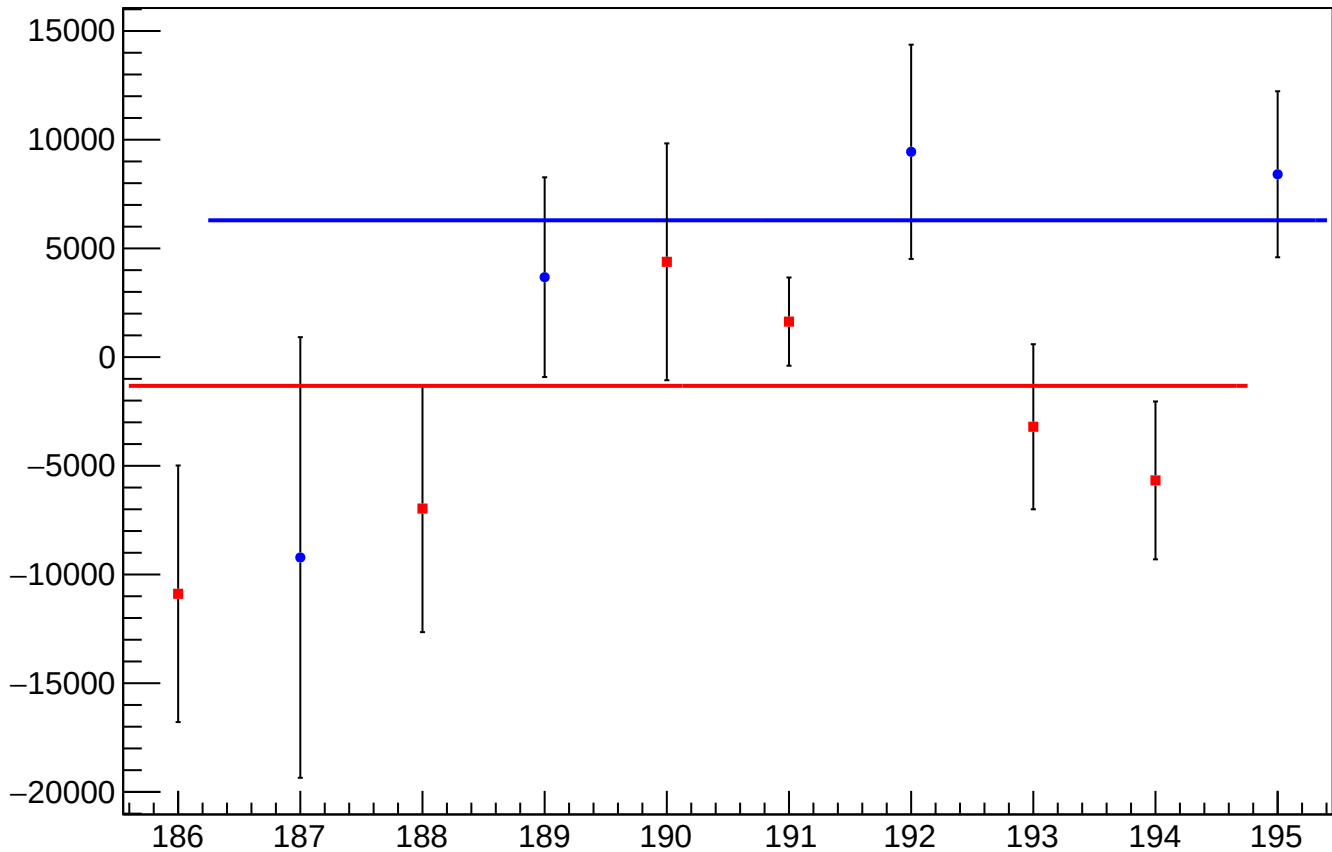
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.850 $\pm$ 0.003  $\chi^2$ /NDF: 9132147.0/9

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



# asym\_atr1\_mean vs Slug



Right In: 6292.665+/-2448.024  $\chi^2/\text{NDF}$ : 3.4/3

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

Right Out: -1321.315+/-1441.129  $\chi^2/\text{NDF}$ : 8.5/5

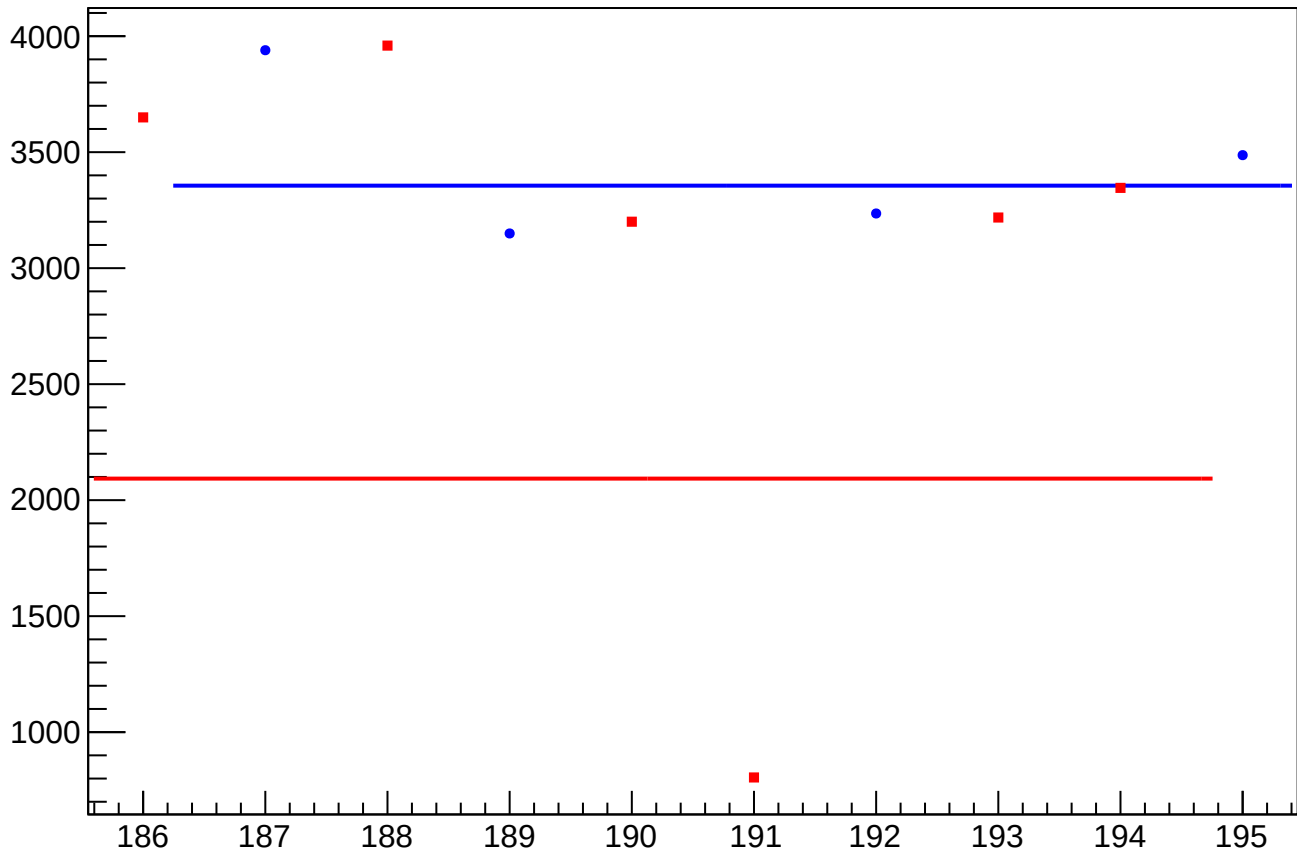
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 638.259+/-1241.911  $\chi^2/\text{NDF}$ : 19.1/9

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

# asym\_atr1\_rms vs Slug



Right In: 3355.648 $\pm$ 1.731  $\chi^2$ /NDF: 14219.7/3

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

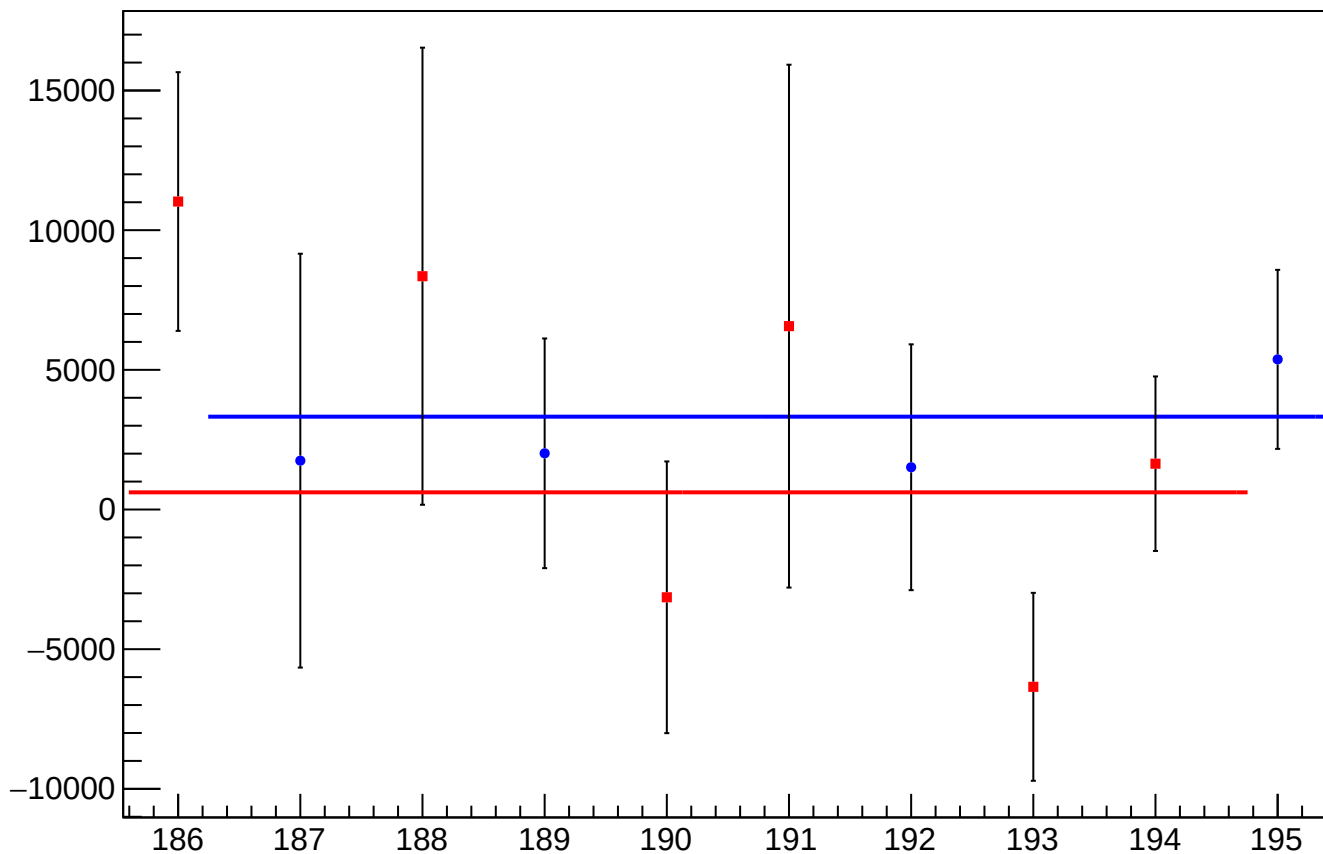
Right Out: 2092.910 $\pm$ 1.019  $\chi^2$ /NDF: 1657676.2/5

All: 2417.895 $\pm$ 0.878  $\chi^2$ /NDF: 2067080.8/9

- 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\_atr2\_mean vs Slug



Right In: 3323.649 $\pm$ 2101.592  $\chi^2$ /NDF: 0.7/3

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

Right Out: 614.901 $\pm$ 1807.419  $\chi^2$ /NDF: 11.3/5

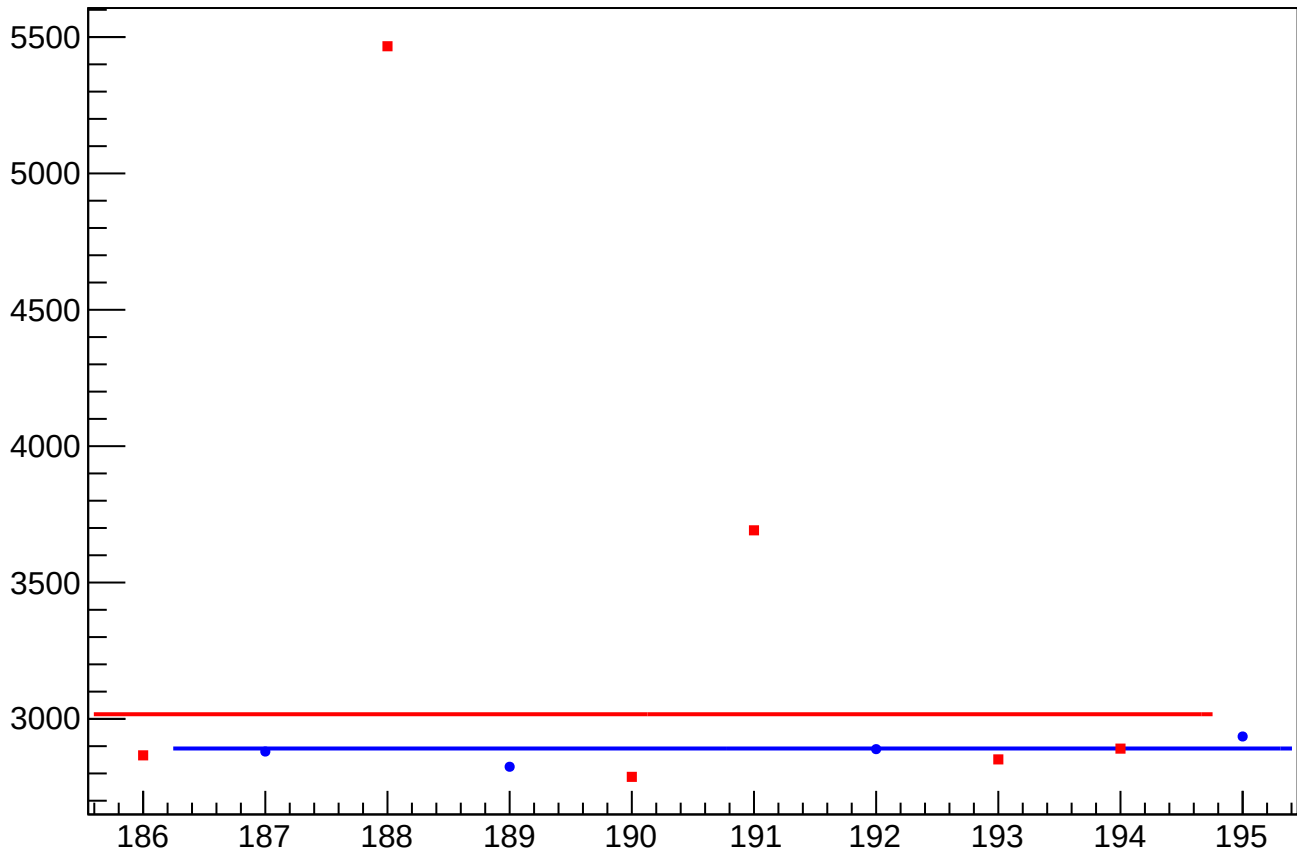
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1766.576 $\pm$ 1370.342  $\chi^2$ /NDF: 13.0/9

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

# dit\_asym\_atr2\_rms vs Slug



Right In: 2891.491+/-1.486  $\chi^2/\text{NDF}$ : 913.3/3

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

Right Out: 3017.090+/-1.278  $\chi^2/\text{NDF}$ : 204288.8/5

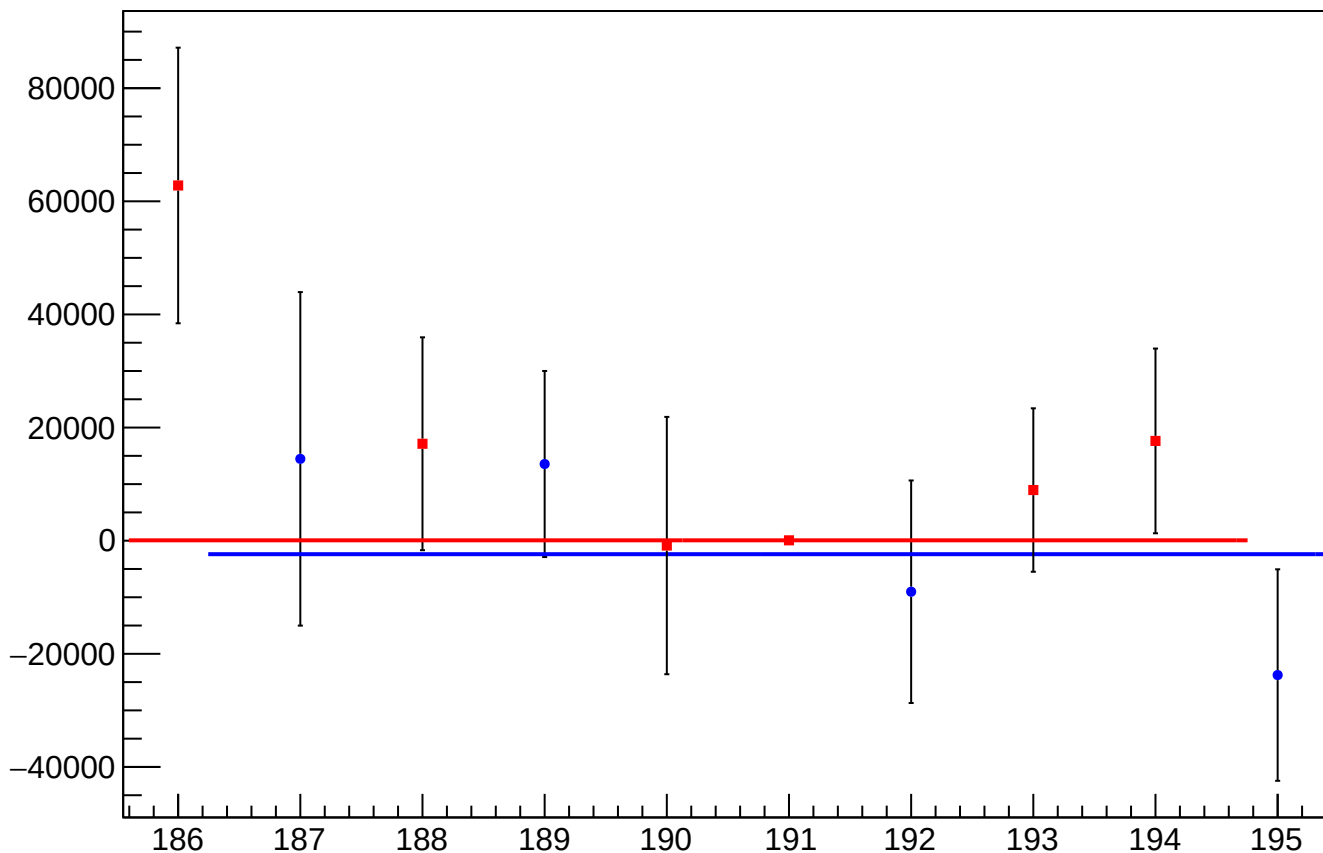
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2963.689+/-0.969  $\chi^2/\text{NDF}$ : 209308.4/9

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

# asym\_atr2\_correction\_mean vs Slug



Right In:  $-2385.664 \pm 9857.327$   $\chi^2/\text{NDF}$ : 2.7/3

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

Right Out:  $64.612 \pm 28.804$   $\chi^2/\text{NDF}$ : 9.0/5

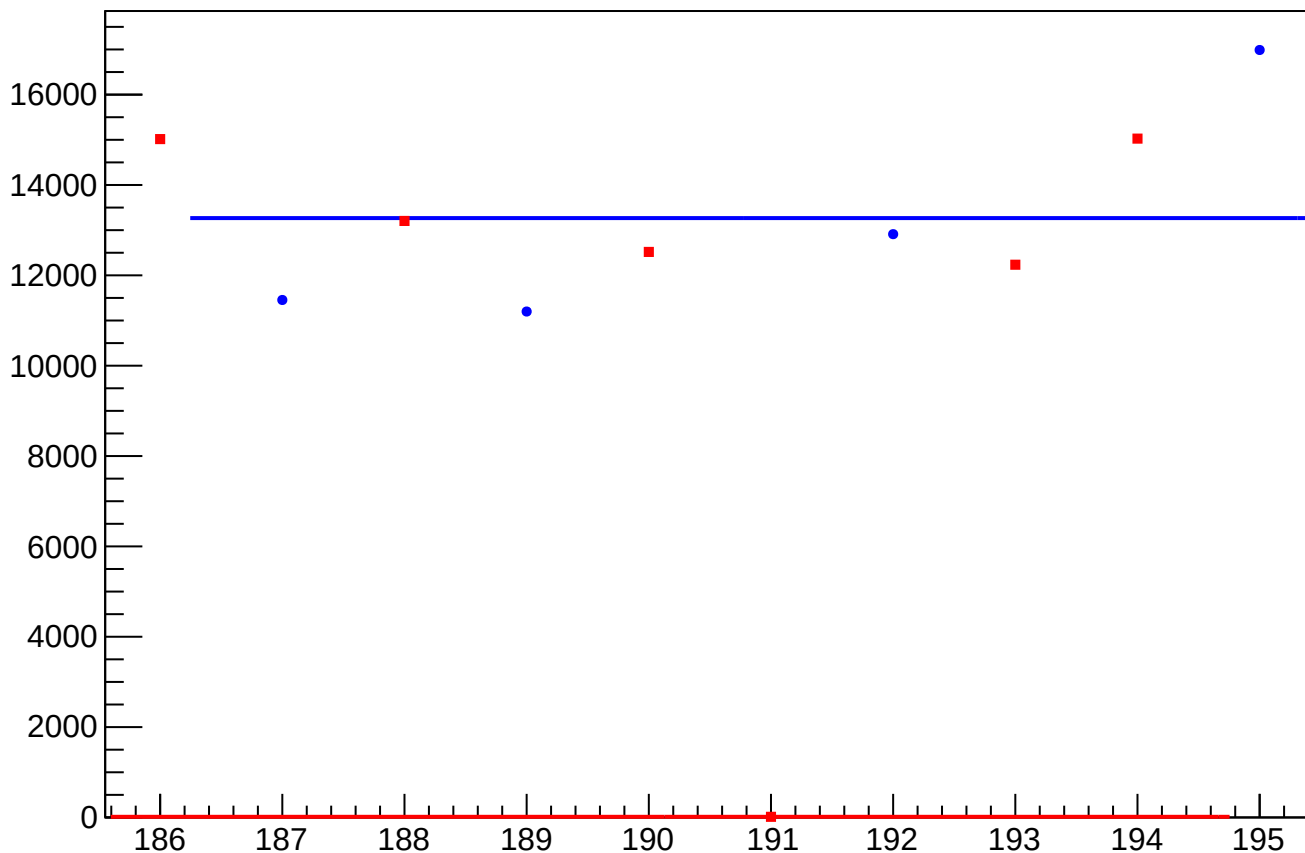
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $64.591 \pm 28.804$   $\chi^2/\text{NDF}$ : 11.7/9

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

# asym\_atr2\_correction\_rms vs Slug



Right In: 13267.262 $\pm$ 6.970  $\chi^2$ /NDF: 119065.4/3

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

Right Out: 14.445 $\pm$ 0.020  $\chi^2$ /NDF: 5466149.2/5

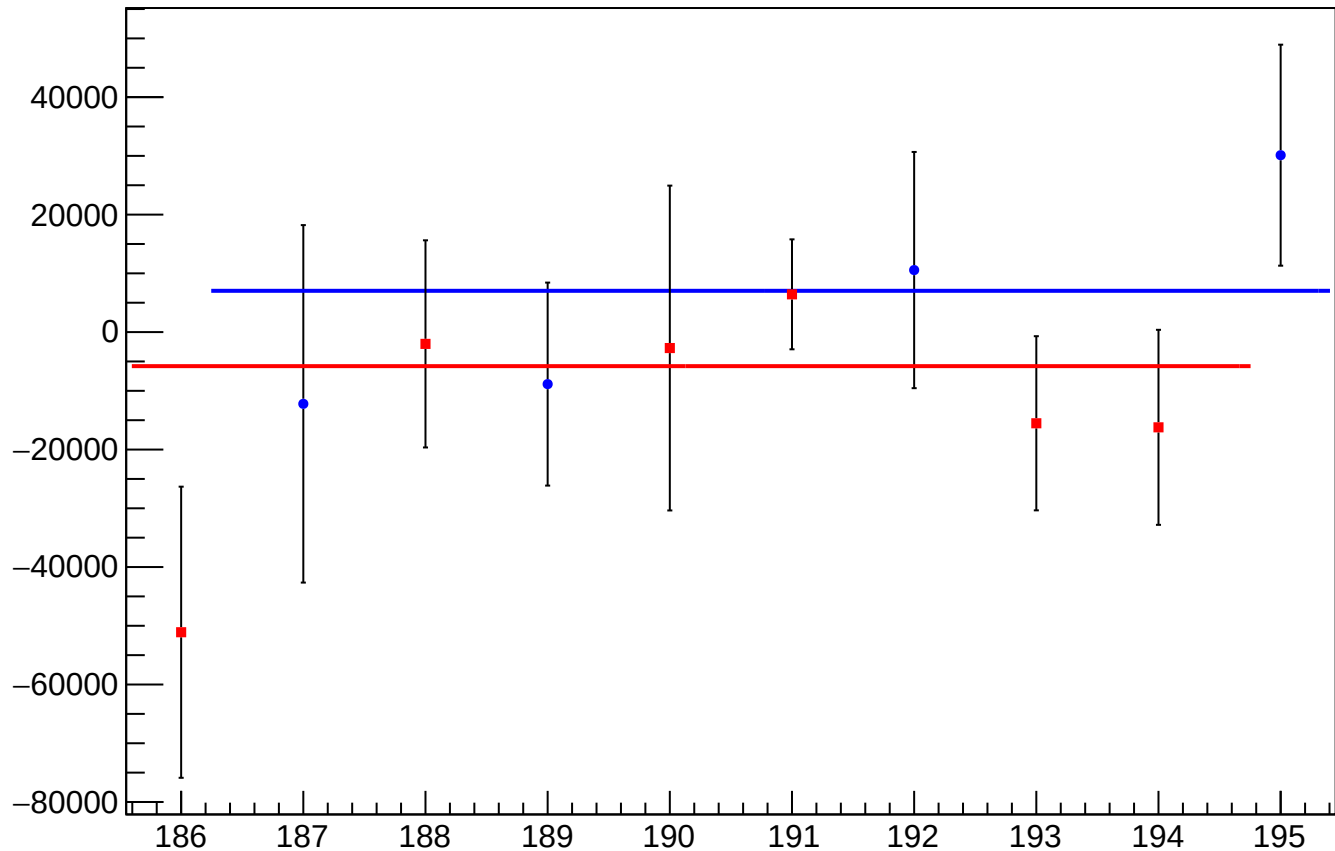
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 14.558 $\pm$ 0.020  $\chi^2$ /NDF: 9200347.8/9

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

# asym\_atr2\_mean vs Slug



Right In: 7028.191+/-10139.203  $\chi^2/\text{NDF}$ : 2.8/3

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

Right Out: -5797.773+/-6232.132  $\chi^2/\text{NDF}$ : 5.9/5

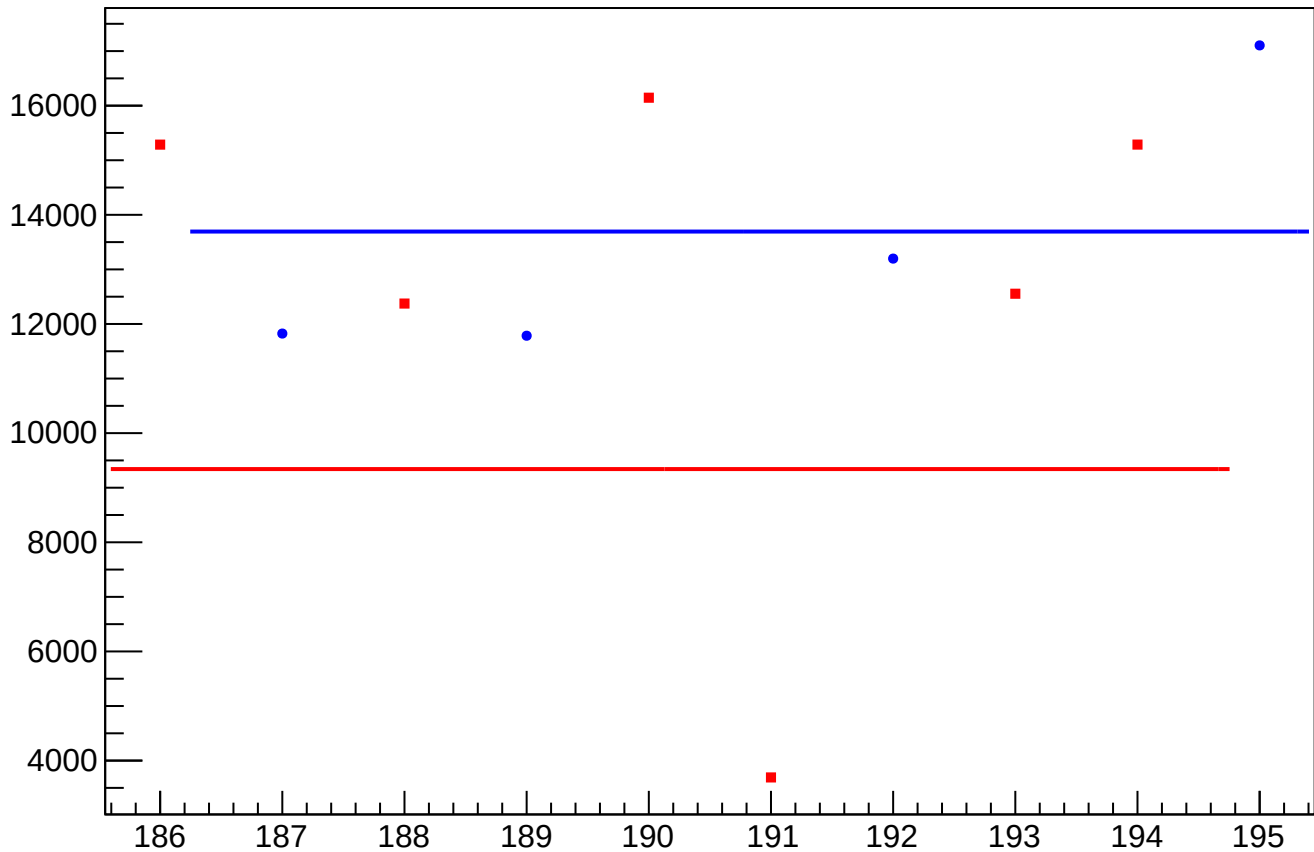
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -2280.804+/-5309.371  $\chi^2/\text{NDF}$ : 9.9/9

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

# asym\_atr2\_rms vs Slug



Right In: 13693.471 $\pm$ 7.169  $\chi^2$ /NDF: 98899.7/3

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

Right Out: 9341.510 $\pm$ 4.407  $\chi^2$ /NDF: 1374848.8/5

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

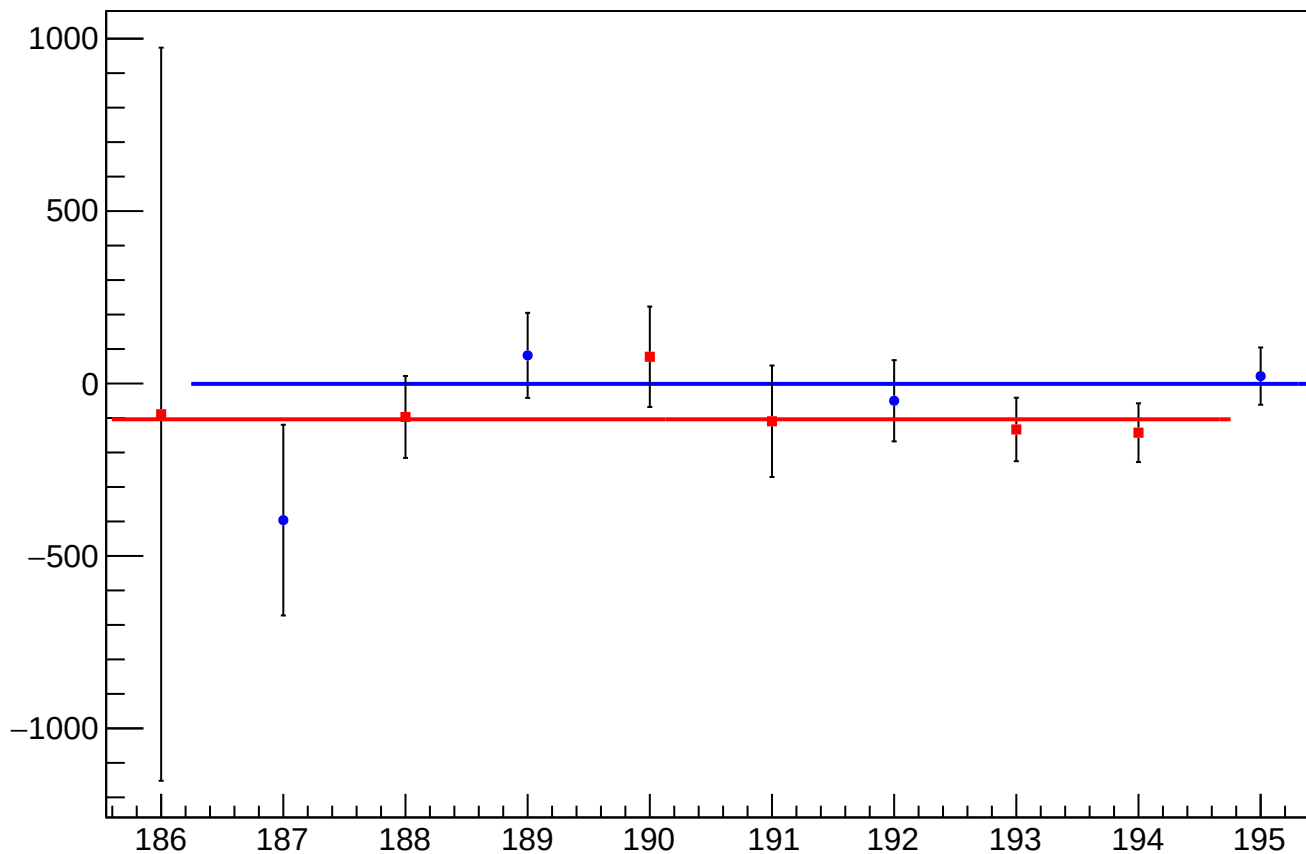
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10534.766 $\pm$ 3.754  $\chi^2$ /NDF: 1741182.4/5

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



# dit\_asym\_sam1\_mean vs Slug



Right In:  $-1.025 \pm 58.143$   $\chi^2/\text{NDF}$ : 2.7/3

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

Right Out:  $-103.733 \pm 49.220$   $\chi^2/\text{NDF}$ : 1.9/5

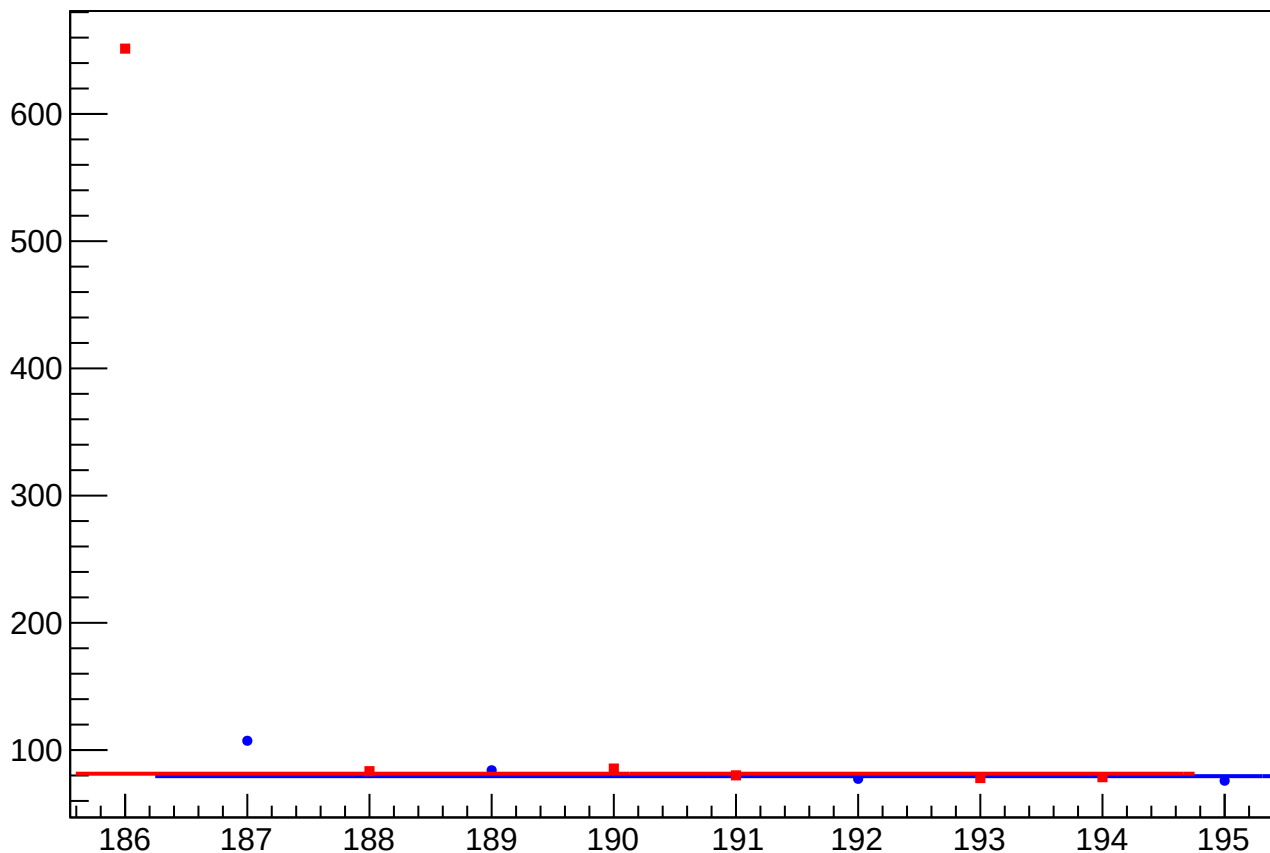
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-60.856 \pm 37.567$   $\chi^2/\text{NDF}$ : 6.4/9

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

# dit\_asym\_sam1\_rms vs Slug



Right In: 79.467 $\pm$ 0.041  $\chi^2$ /NDF: 27467.1/3

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

Right Out: 81.407 $\pm$ 0.035  $\chi^2$ /NDF: 582133.4/5

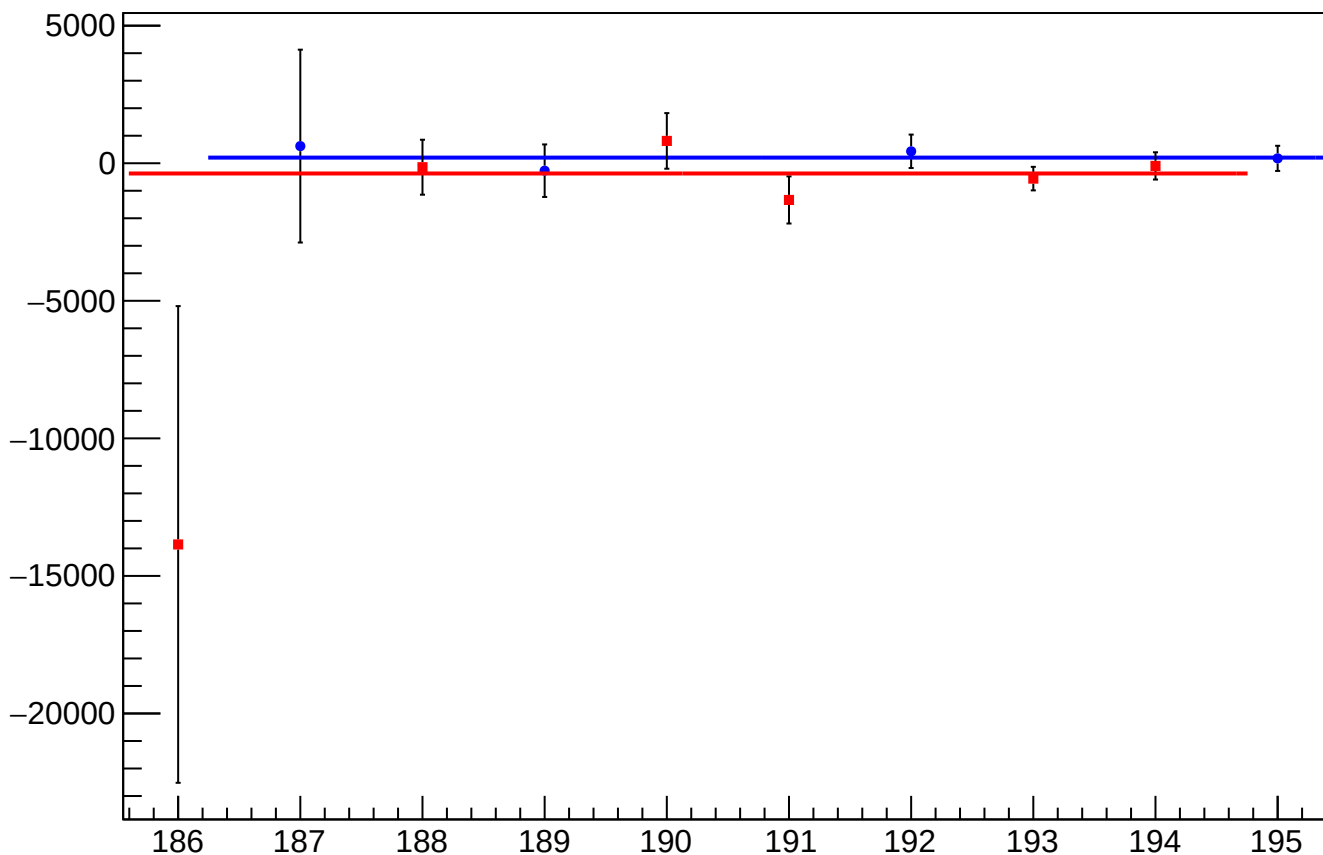
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 80.597 $\pm$ 0.027  $\chi^2$ /NDF: 610897.4/9

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

# asym\_sam1\_correction\_mean vs Slug



Right In: 204.930 $\pm$ 339.503  $\chi^2$ /NDF: 0.4/3

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

Right Out: -372.138 $\pm$ 278.515  $\chi^2$ /NDF: 5.6/5

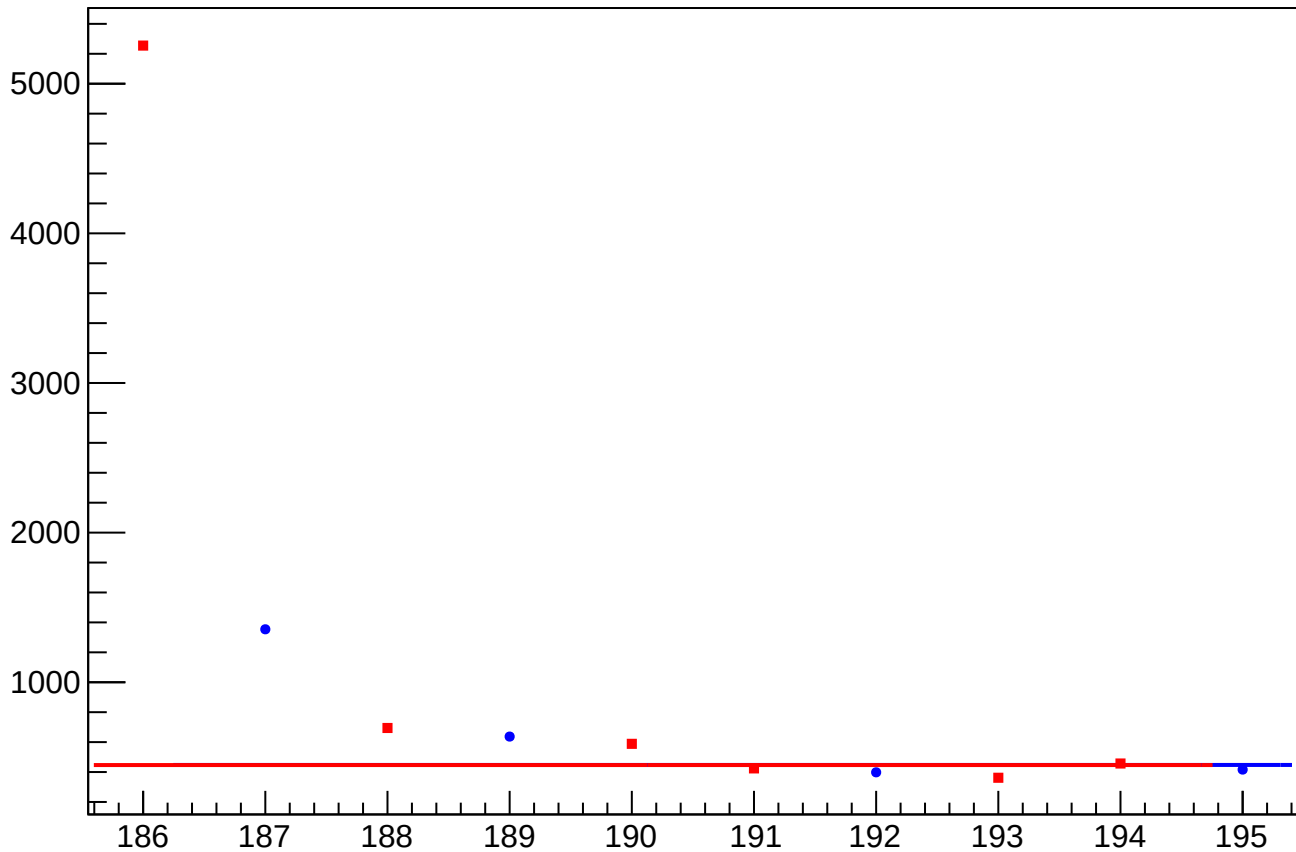
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -140.002 $\pm$ 215.328  $\chi^2$ /NDF: 7.7/9

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

# asym\_sam1\_correction\_rms vs Slug



Right In: 447.402 $\pm$ 0.240  $\chi^2$ /NDF: 235034.6/3

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

Right Out: 446.681 $\pm$ 0.197  $\chi^2$ /NDF: 859230.1/5

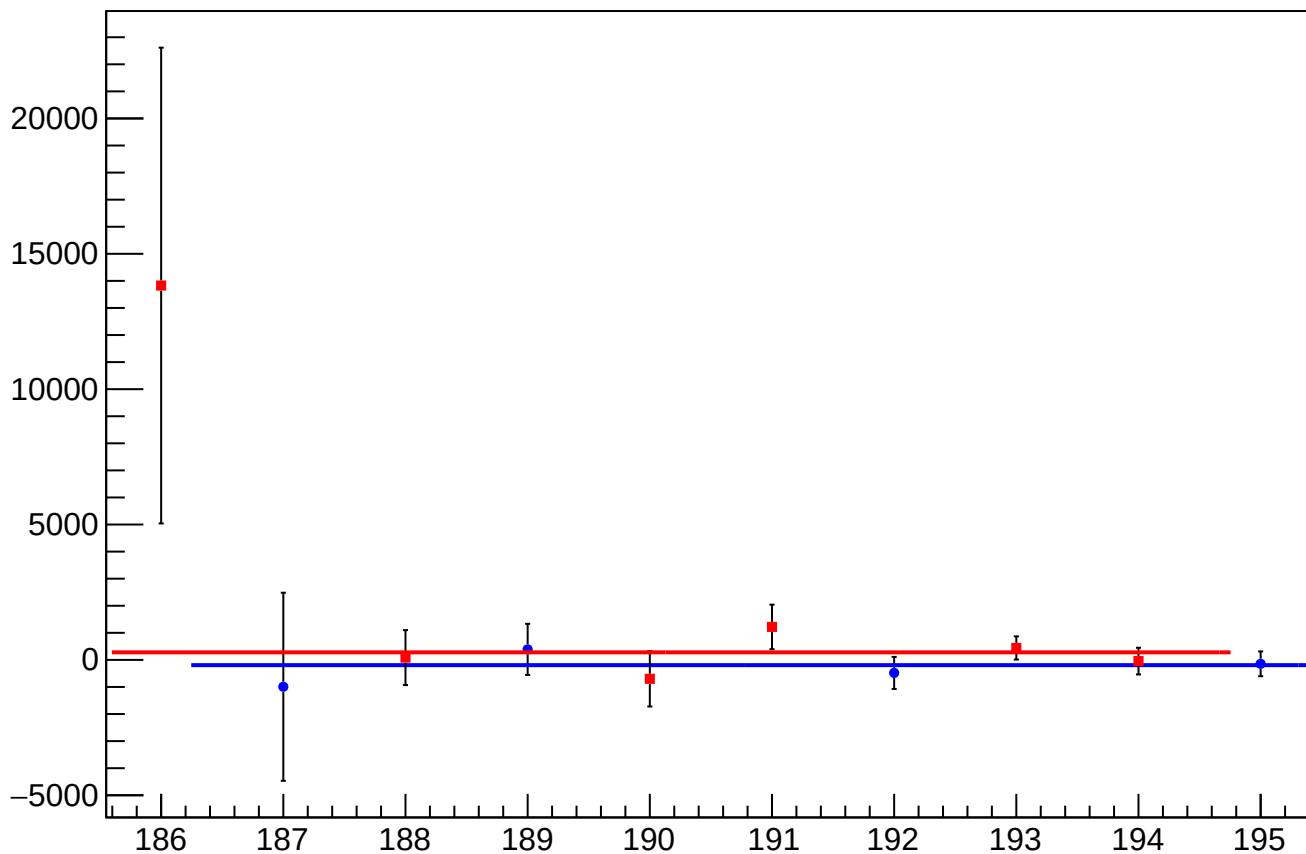
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 446.971 $\pm$ 0.152  $\chi^2$ /NDF: 1094270.1/9

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

# asym\_sam1\_mean vs Slug



Right In:  $-193.891 \pm 336.637$   $\chi^2/\text{NDF}$ : 0.7/3

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

Right Out:  $278.886 \pm 277.376$   $\chi^2/\text{NDF}$ : 5.2/5

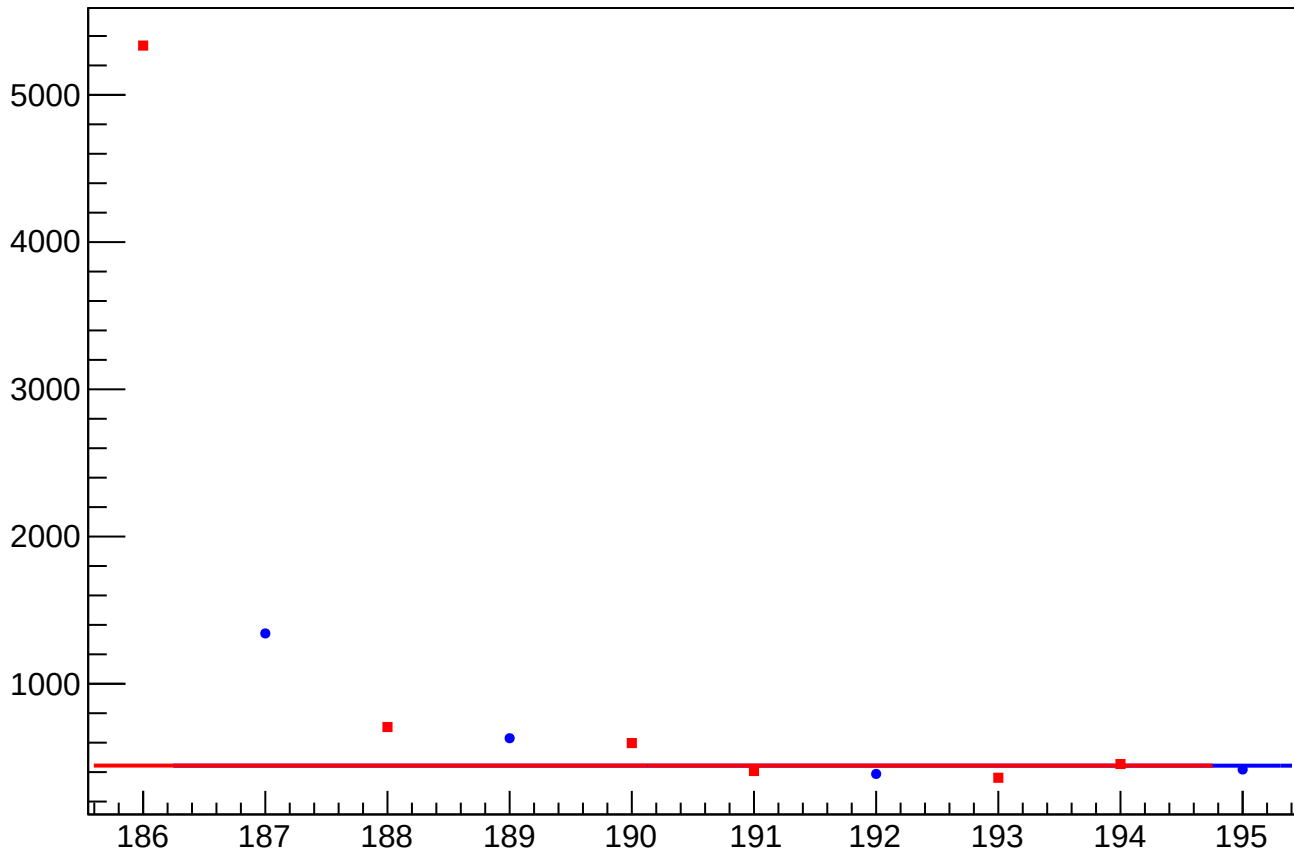
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $87.707 \pm 214.069$   $\chi^2/\text{NDF}$ : 7.1/9

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

# asym\_sam1\_rms vs Slug



Right In: 443.725 $\pm$ 0.238  $\chi^2$ /NDF: 236006.4/3

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

Right Out: 444.381 $\pm$ 0.196  $\chi^2$ /NDF: 876903.7/5

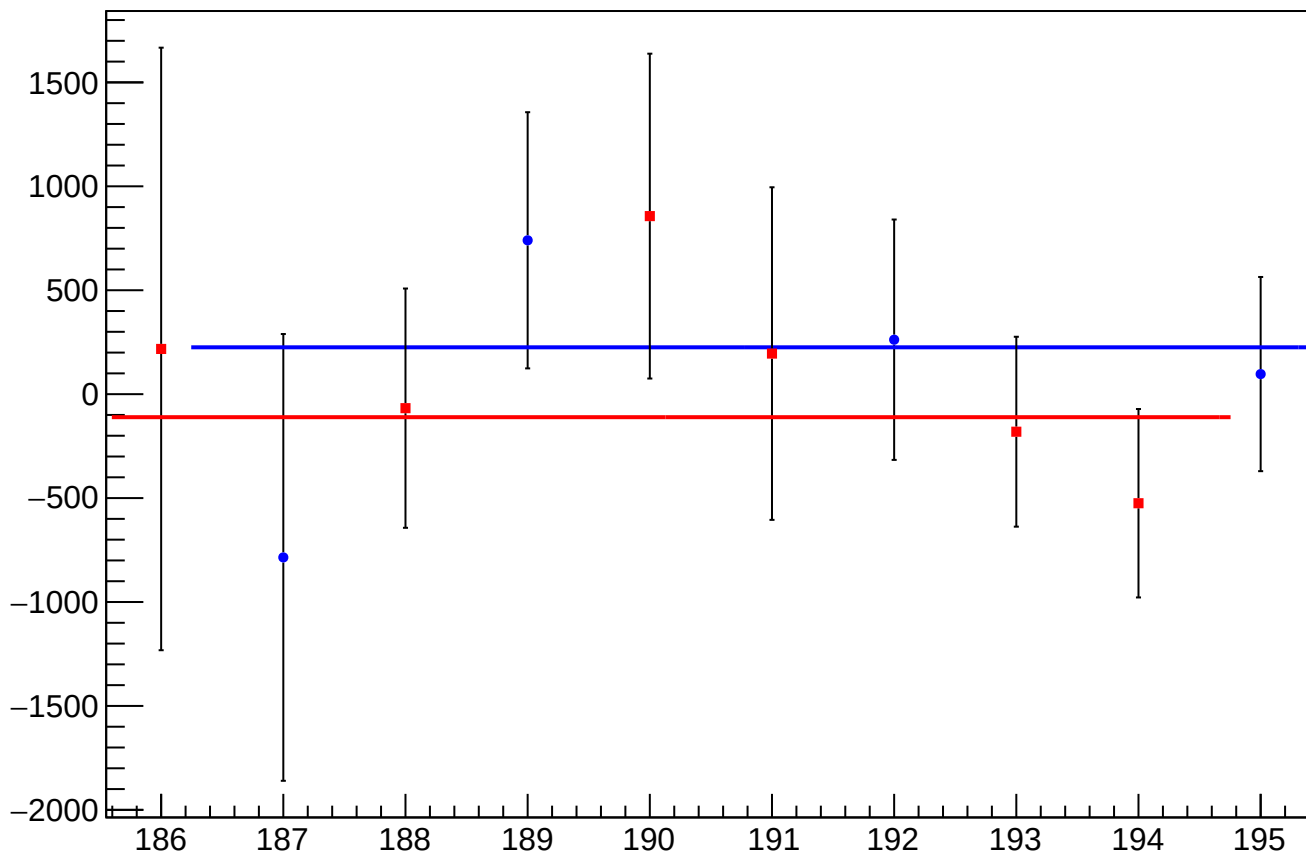
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 444.116 $\pm$ 0.151  $\chi^2$ /NDF: 1112914.6/9

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

# dit\_asym\_sam2\_mean vs Slug



Right In: 225.405 $\pm$ 300.535  $\chi^2$ /NDF: 1.7/3

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

Right Out: -110.776 $\pm$ 247.296  $\chi^2$ /NDF: 2.6/5

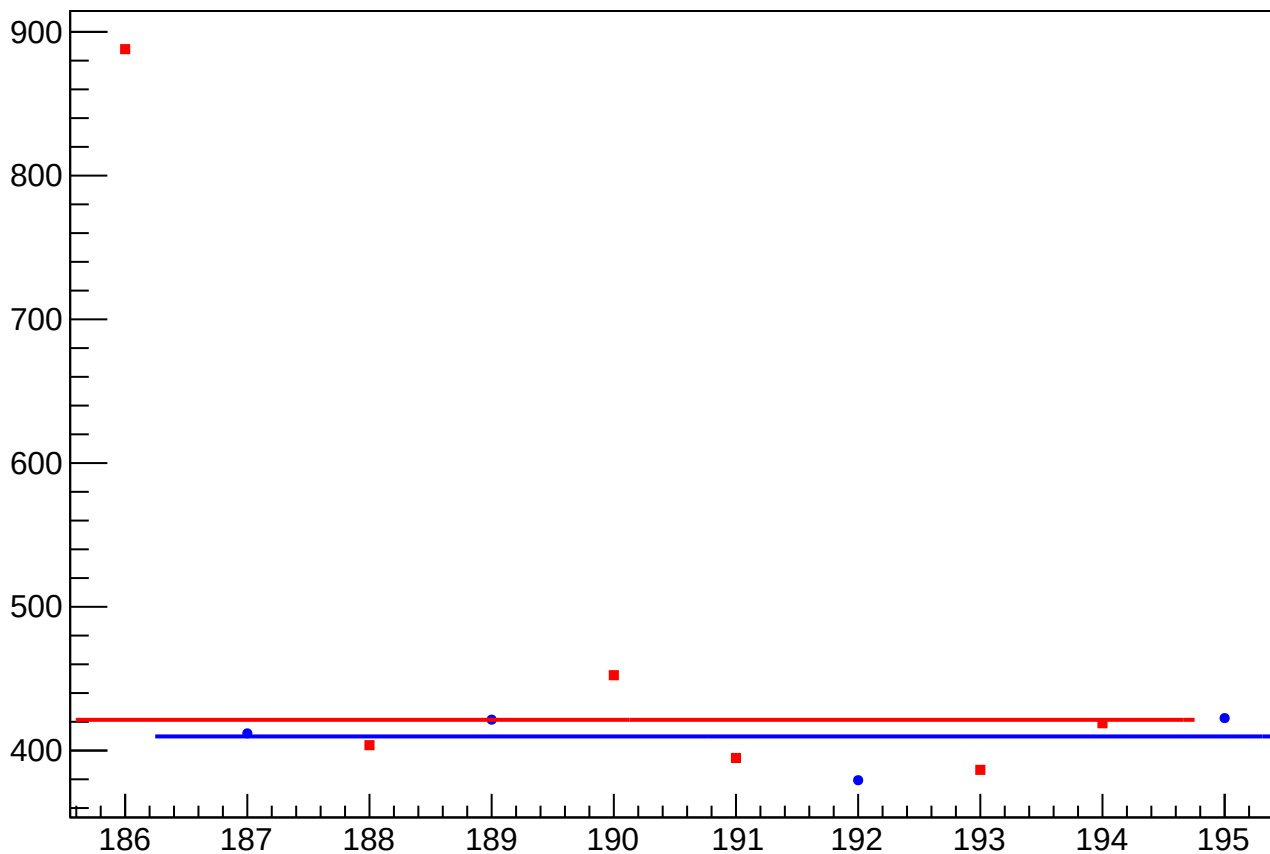
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 24.950 $\pm$ 190.959  $\chi^2$ /NDF: 5.0/9

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

# dit\_asym\_sam2\_rms vs Slug



Right In: 409.821+/-0.213  $\chi^2/\text{NDF}$ : 7766.9/3

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

Right Out: 421.374+/-0.175  $\chi^2/\text{NDF}$ : 226153.0/5

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

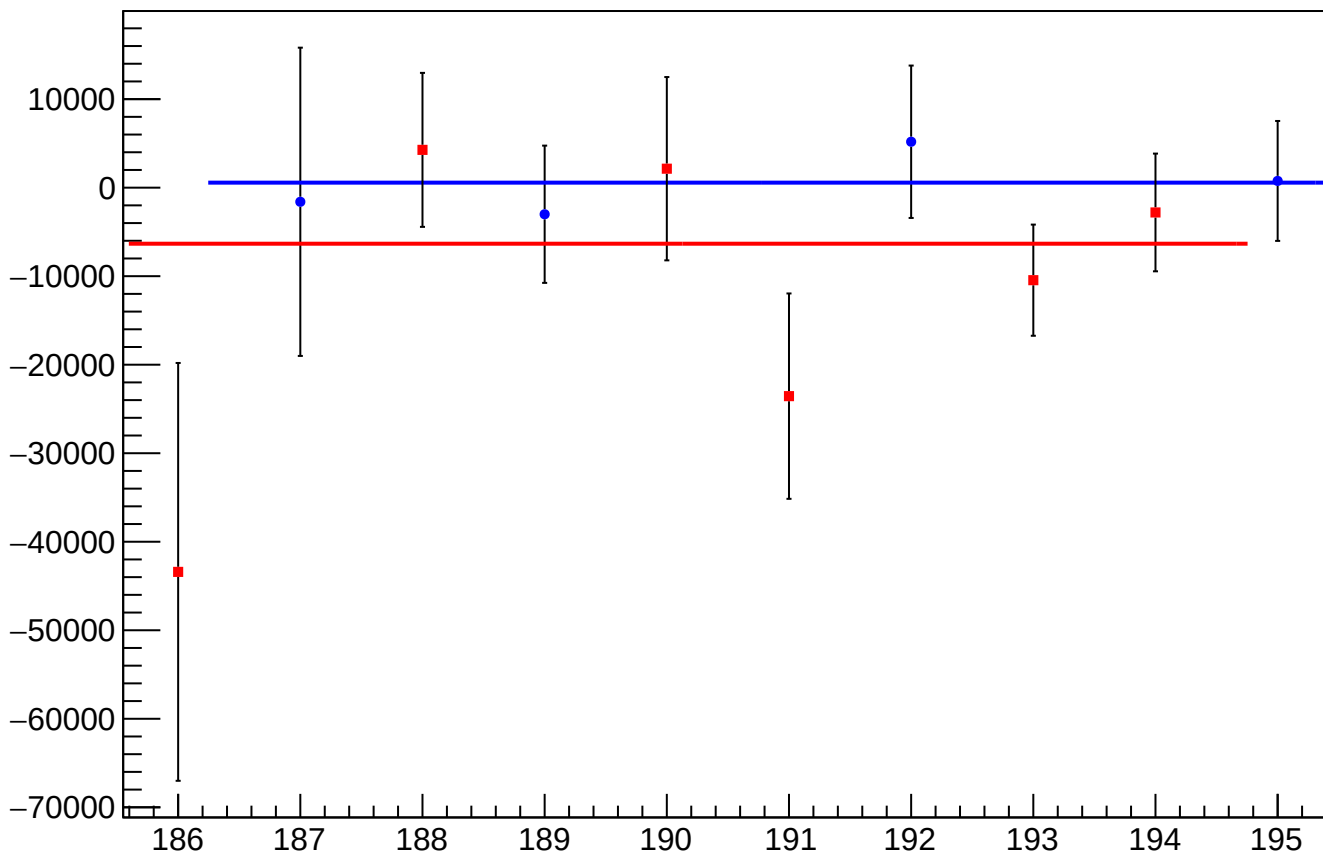
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 416.710+/-0.135  $\chi^2/\text{NDF}$ : 235682.2/9

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



# asym\_sam2\_correction\_mean vs Slug



Right In:  $567.345 \pm 4255.184$   $\chi^2/\text{NDF}$ : 0.5/3

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

Right Out:  $-6331.841 \pm 3541.110$   $\chi^2/\text{NDF}$ : 7.5/5

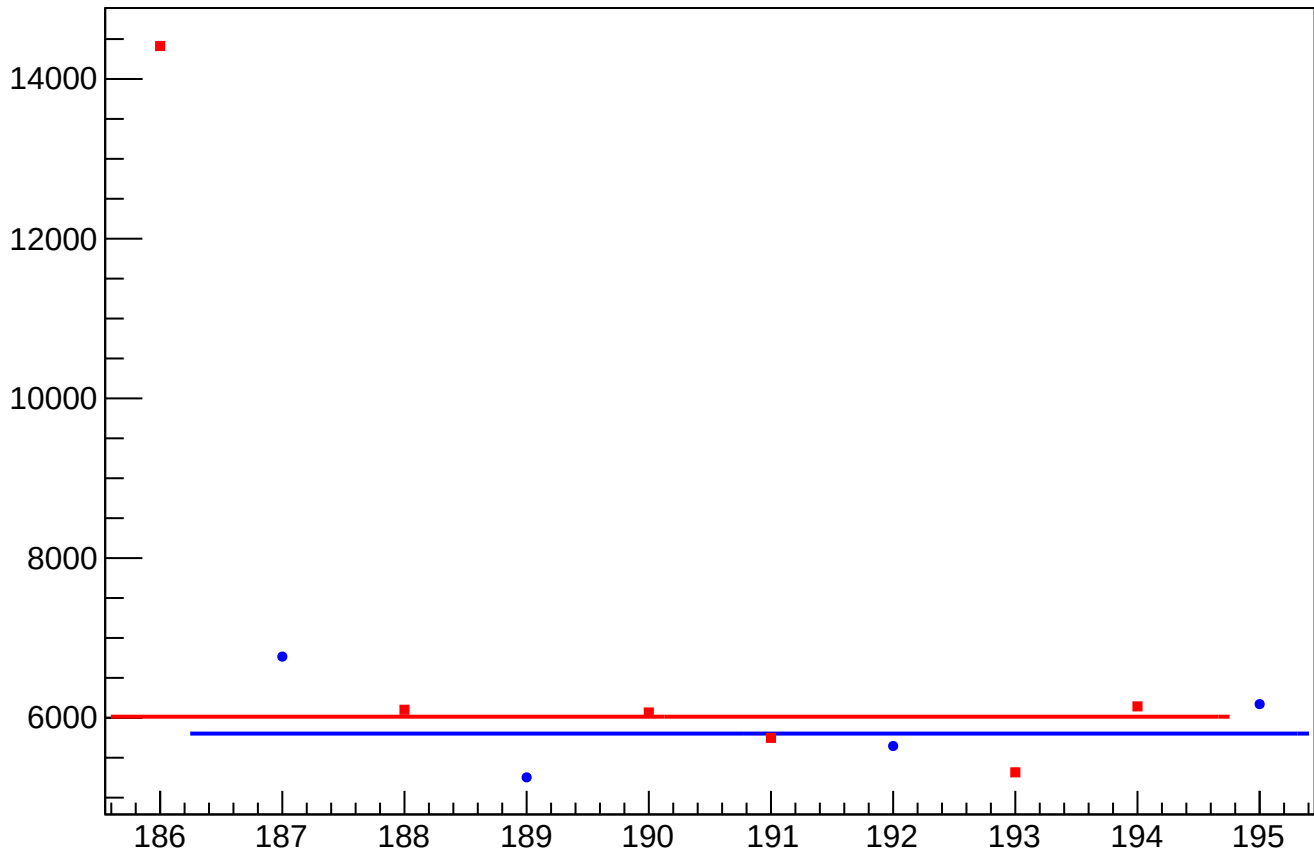
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-3508.898 \pm 2721.890$   $\chi^2/\text{NDF}$ : 9.6/9

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

# asym\_sam2\_correction\_rms vs Slug



Right In: 5802.323+/-3.009  $\chi^2/\text{NDF}$ : 22725.8/3

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

Right Out: 6013.774+/-2.504  $\chi^2/\text{NDF}$ : 279990.1/5

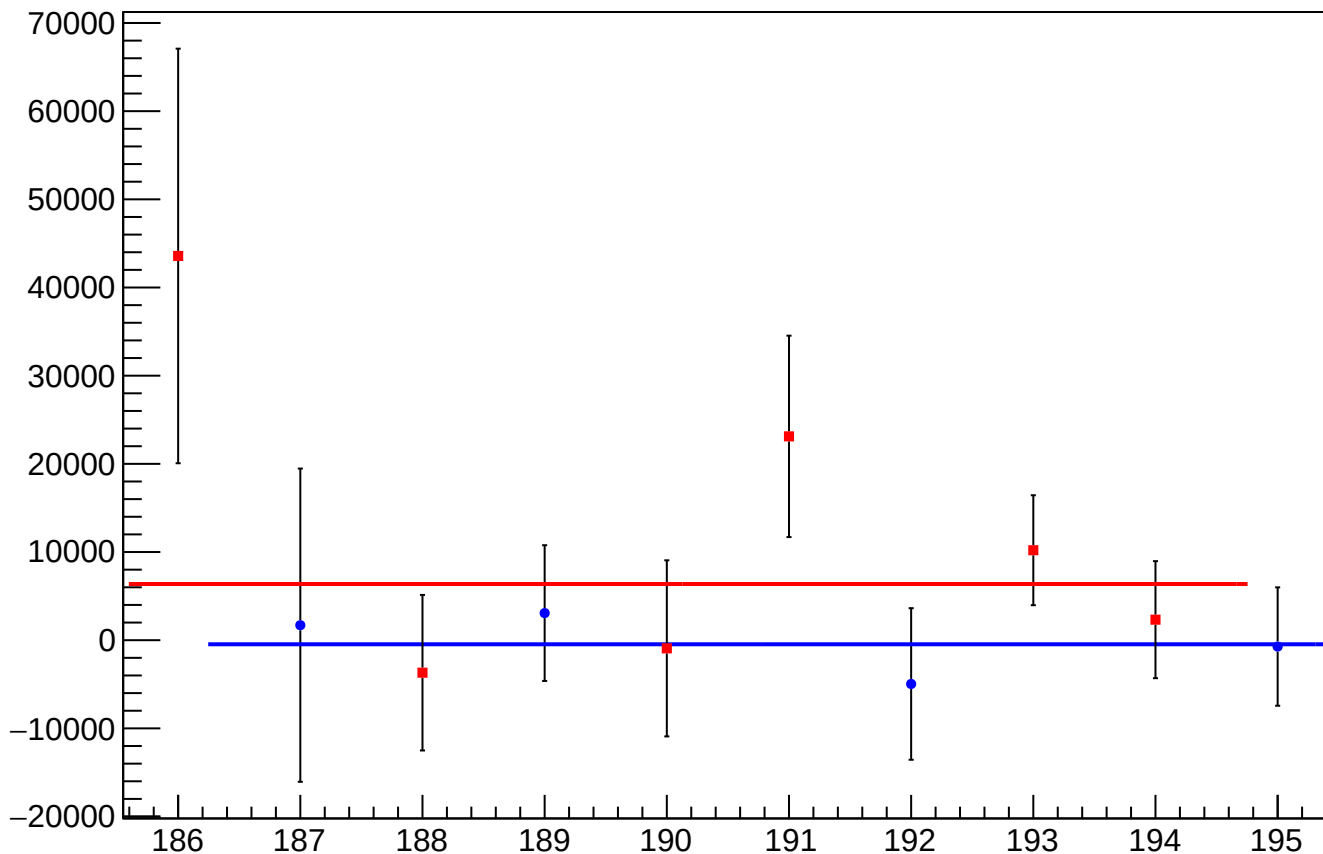
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5927.254+/-1.925  $\chi^2/\text{NDF}$ : 305633.9/9

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

# asym\_sam2\_mean vs Slug



Right In: -462.848+/-4234.355  $\chi^2/\text{NDF}$ : 0.5/3

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

Right Out: 6371.780+/-3518.048  $\chi^2/\text{NDF}$ : 7.2/5

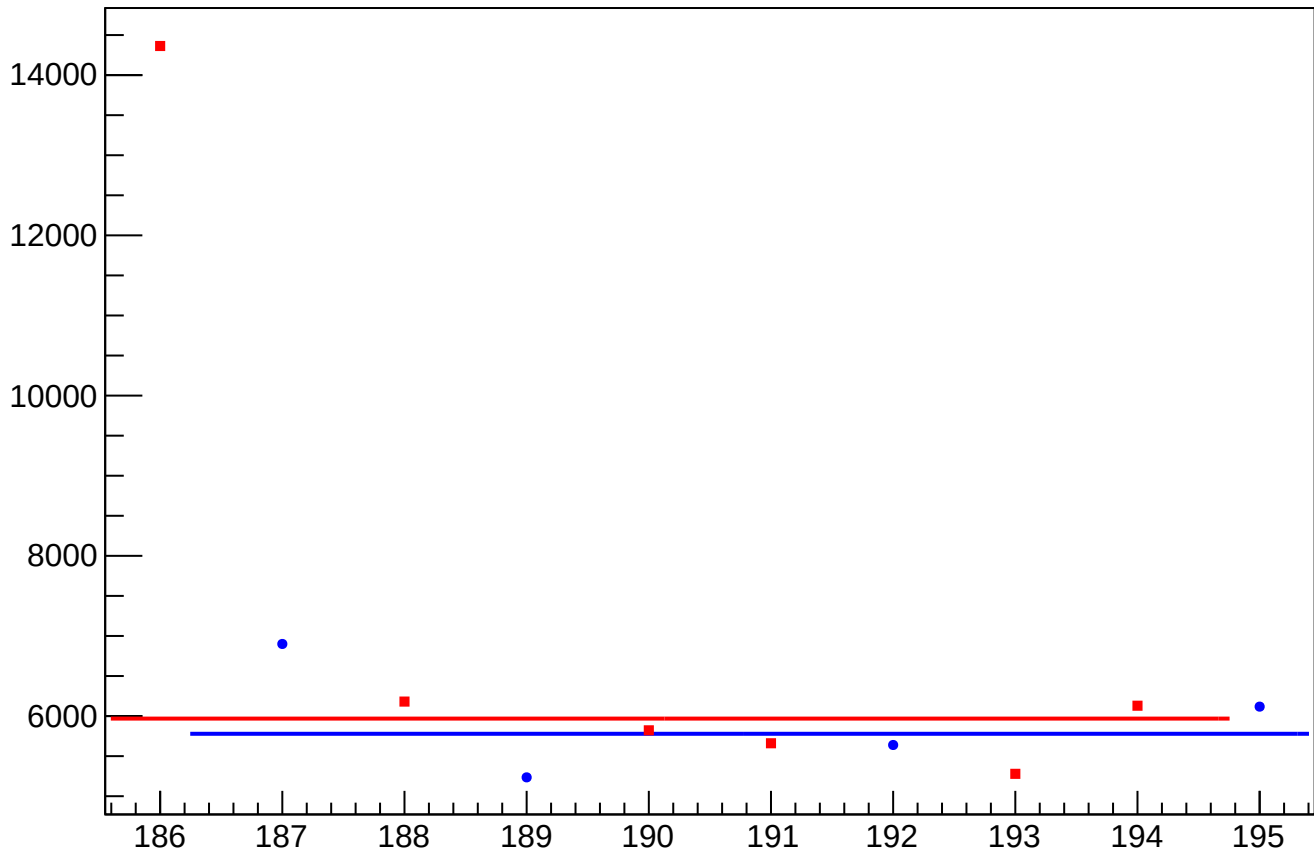
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 3580.627+/-2705.962  $\chi^2/\text{NDF}$ : 9.3/9

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

# asym\_sam2\_rms vs Slug



Right In: 5779.050+/-2.994  $\chi^2/\text{NDF}$ : 23582.2/3

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

Right Out: 5968.692+/-2.488  $\chi^2/\text{NDF}$ : 283688.9/5

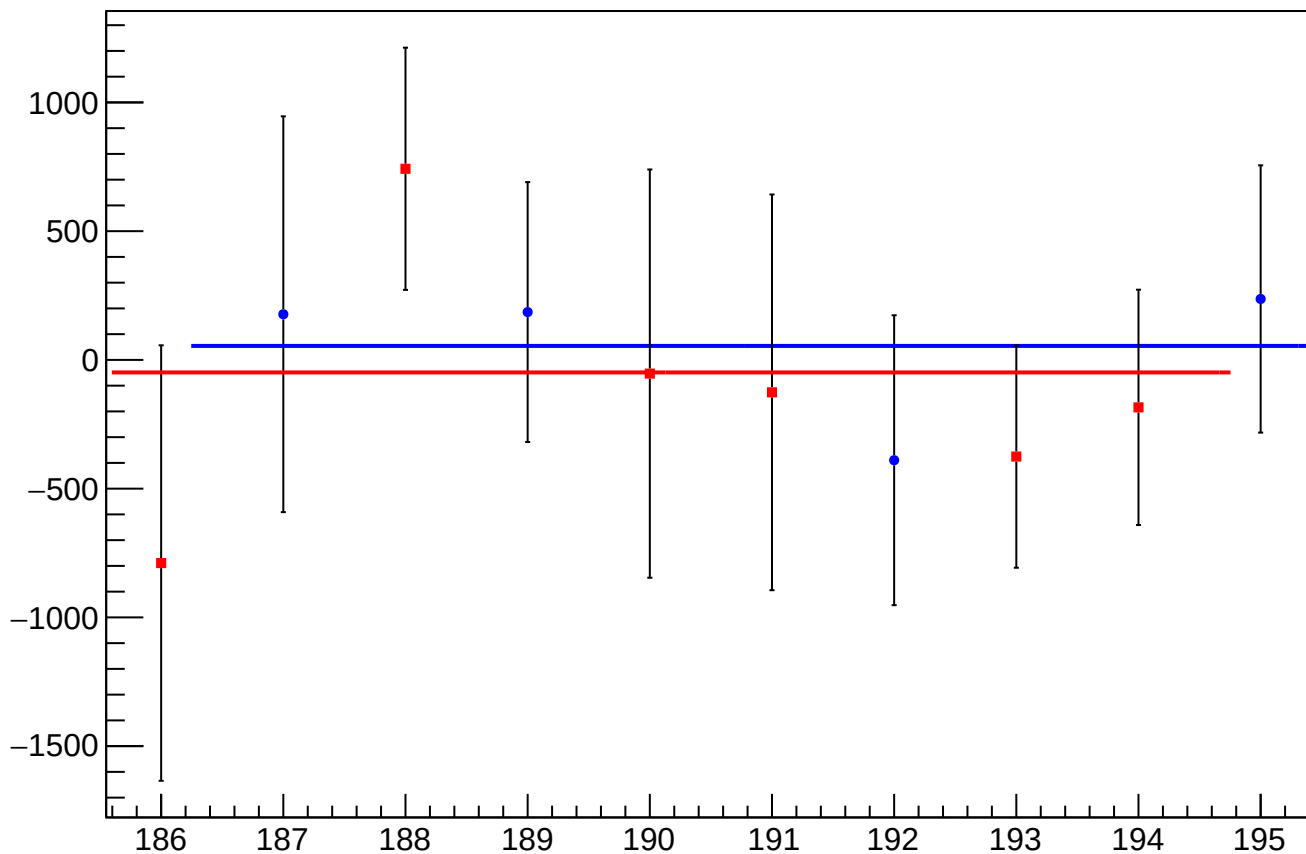
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5891.245+/-1.913  $\chi^2/\text{NDF}$ : 309644.5/9

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

# dit\_asym\_sam3\_mean vs Slug



Right In: 54.384 $\pm$ 283.007  $\chi^2$ /NDF: 0.8/3

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

Right Out: -48.644 $\pm$ 227.303  $\chi^2$ /NDF: 4.3/5

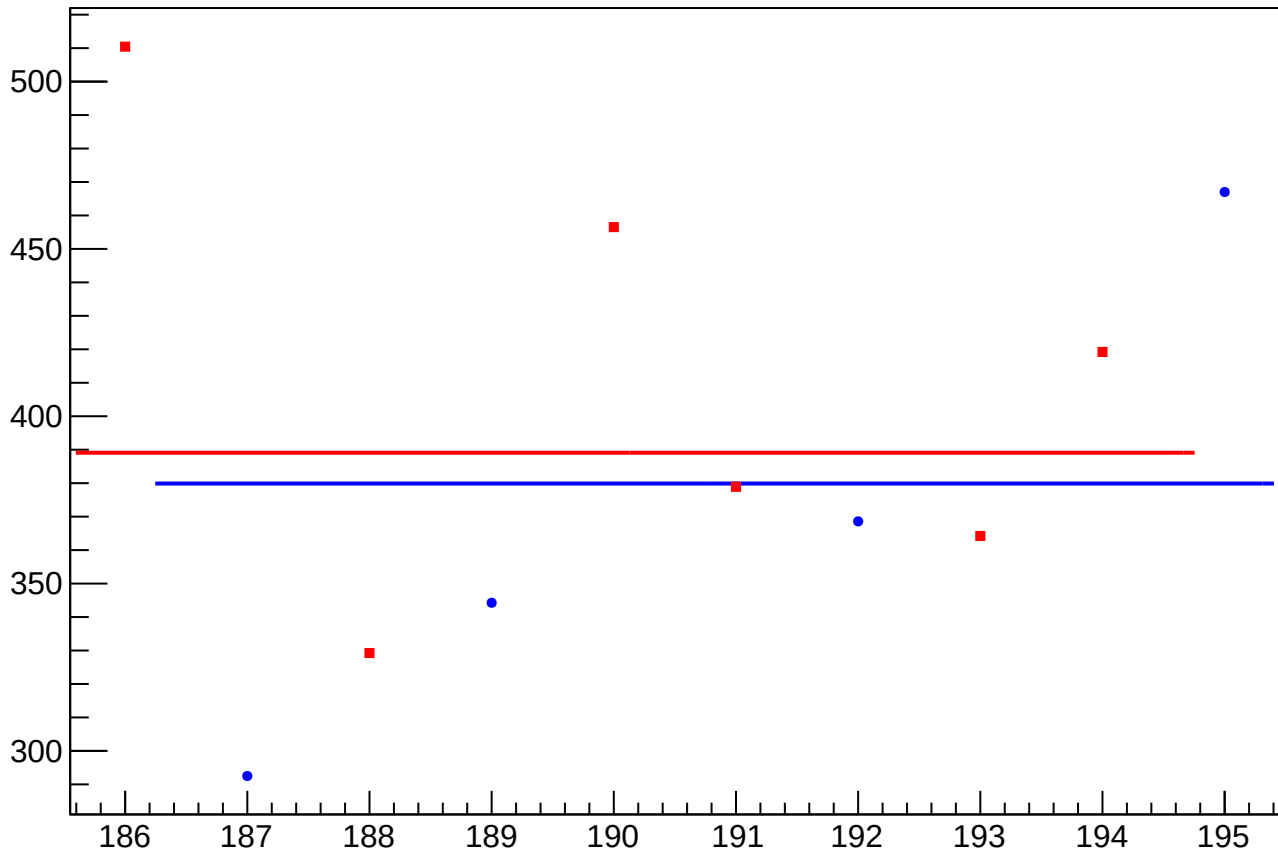
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -8.244 $\pm$ 177.219  $\chi^2$ /NDF: 5.2/9

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

# dit\_asym\_sam3\_rms vs Slug



Right In: 379.891 $\pm$ 0.200  $\chi^2$ /NDF: 92962.4/3

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

Right Out: 389.096 $\pm$ 0.161  $\chi^2$ /NDF: 103695.9/5

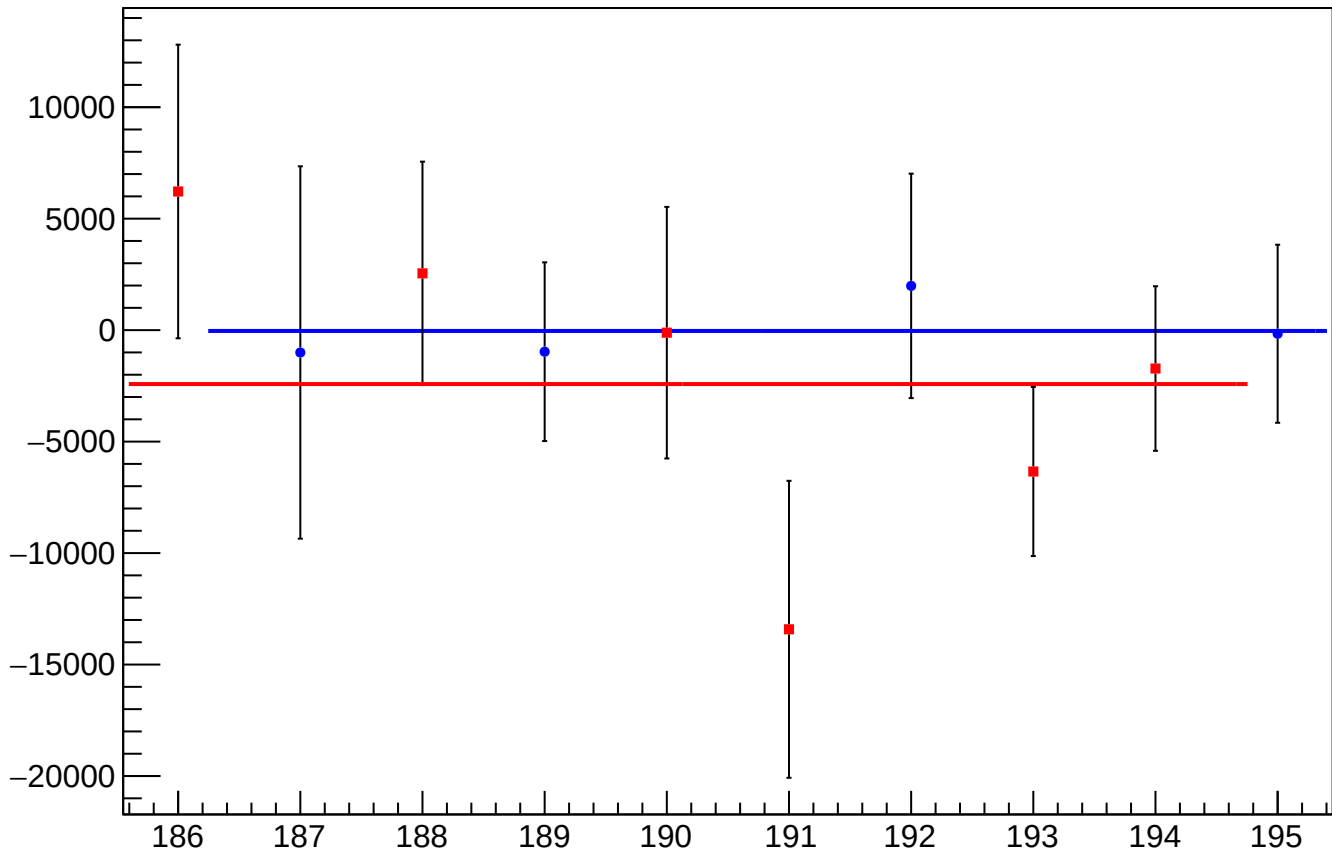
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 385.487 $\pm$ 0.125  $\chi^2$ /NDF: 197944.4/9

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

# asym\_sam3\_correction\_mean vs Slug



Right In:  $-36.310 \pm 2365.167$   $\chi^2/\text{NDF}$ : 0.2/3

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

Right Out:  $-2418.718 \pm 1962.057$   $\chi^2/\text{NDF}$ : 6.7/5

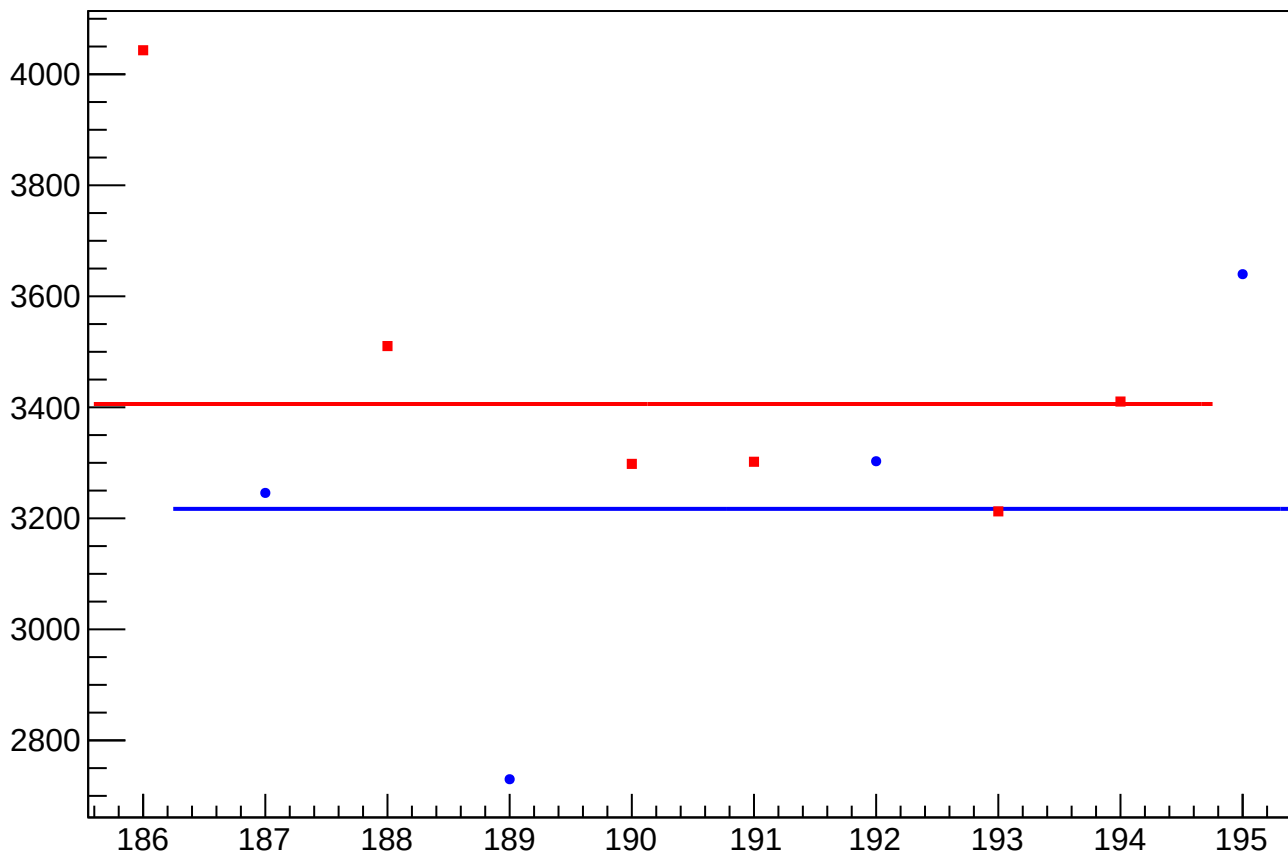
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-1447.542 \pm 1510.090$   $\chi^2/\text{NDF}$ : 7.5/9

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

# asym\_sam3\_correction\_rms vs Slug



Right In: 3217.063+/-1.672  $\chi^2/\text{NDF}$ : 52558.1/3

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

Right Out: 3406.000+/-1.387  $\chi^2/\text{NDF}$ : 26022.5/5

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

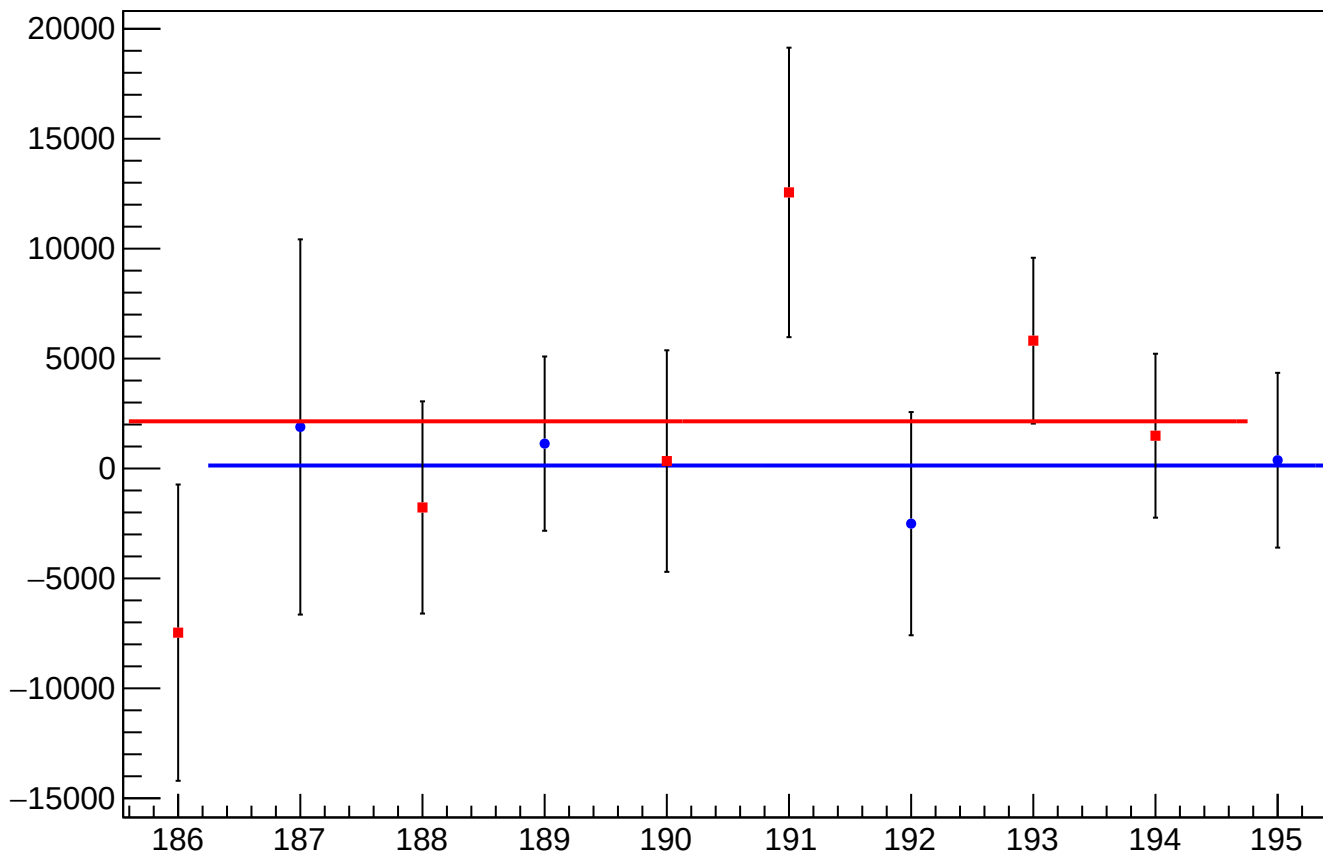
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3328.981+/-1.068  $\chi^2/\text{NDF}$ : 86140.6/9

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



# asym\_sam3\_mean vs Slug



Right In: 135.570 $\pm$ 2360.527  $\chi^2$ /NDF: 0.4/3

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

Right Out: 2145.339 $\pm$ 1925.737  $\chi^2$ /NDF: 6.3/5

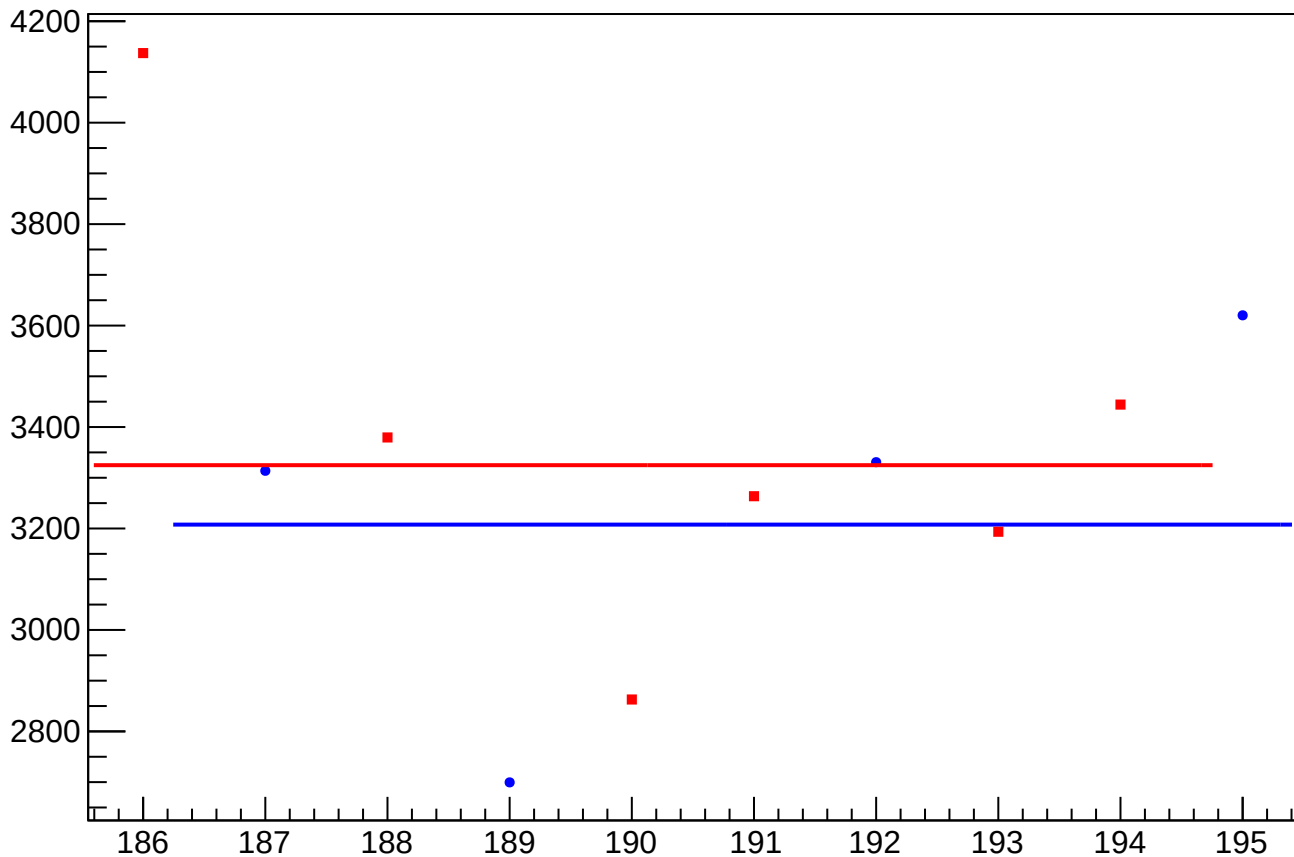
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1342.245 $\pm$ 1492.172  $\chi^2$ /NDF: 7.1/9

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

# asym\_sam3\_rms vs Slug



Right In: 3207.647 $\pm$ 1.669  $\chi^2$ /NDF: 55899.7/3

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

Right Out: 3324.802 $\pm$ 1.362  $\chi^2$ /NDF: 50777.9/5

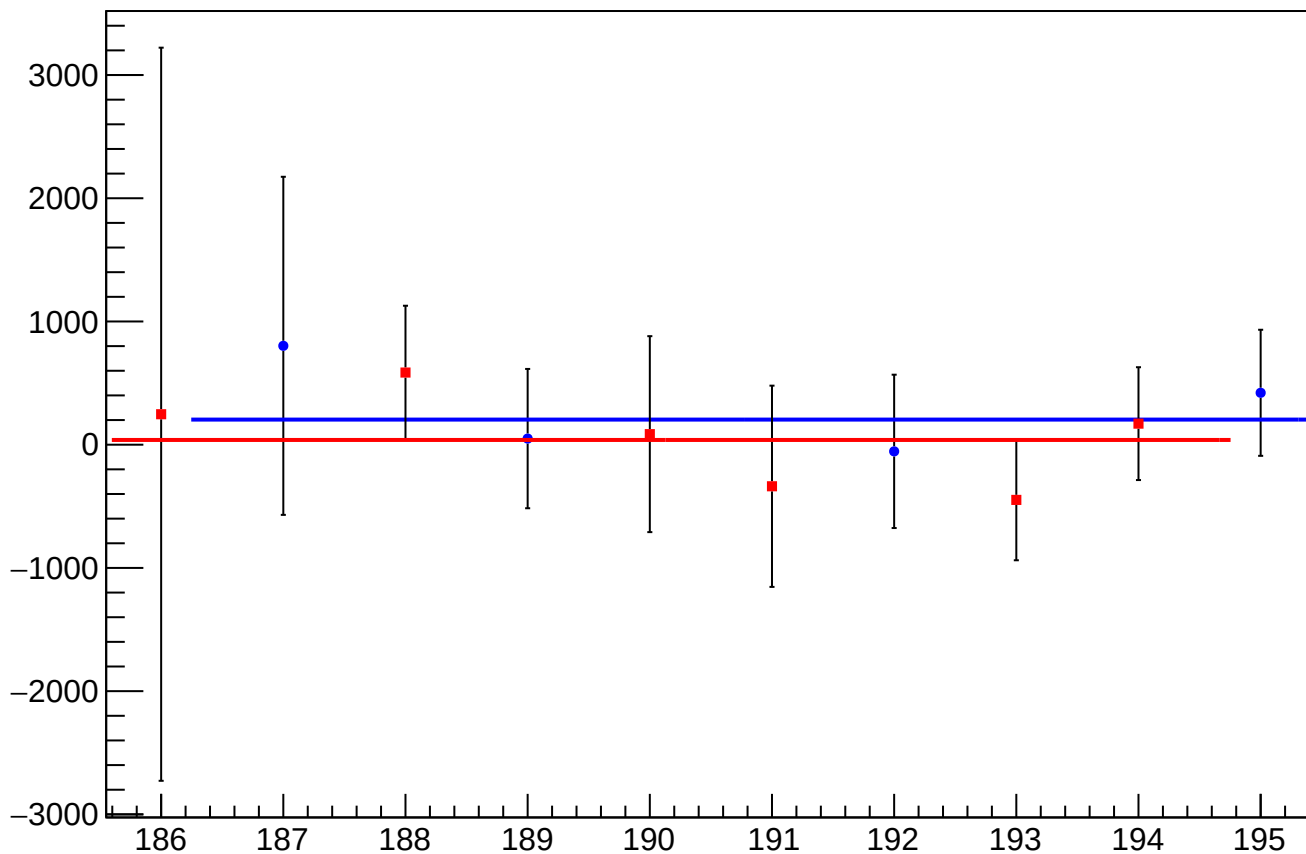
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 3277.988 $\pm$ 1.055  $\chi^2$ /NDF: 109635.4/9

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

# dit\_asym\_sam4\_mean vs Slug



Right In: 203.793 $\pm$ 315.198  $\chi^2$ /NDF: 0.6/3

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

Right Out: 38.503 $\pm$ 253.727  $\chi^2$ /NDF: 2.3/5

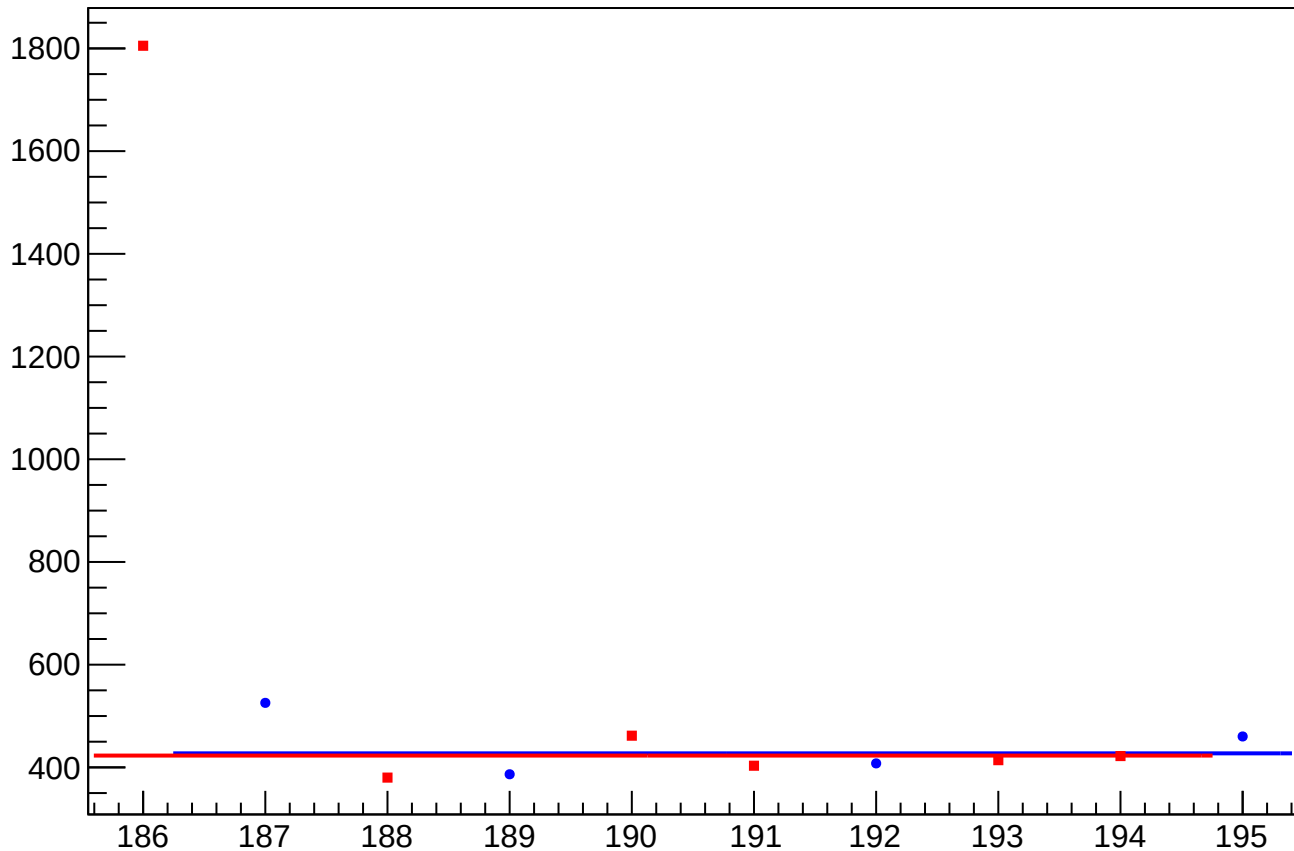
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 103.495 $\pm$ 197.647  $\chi^2$ /NDF: 3.1/9

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

# dit\_asym\_sam4\_rms vs Slug



Right In: 427.312 $\pm$ 0.223  $\chi^2$ /NDF: 30893.6/3

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

Right Out: 422.995 $\pm$ 0.179  $\chi^2$ /NDF: 450911.1/5

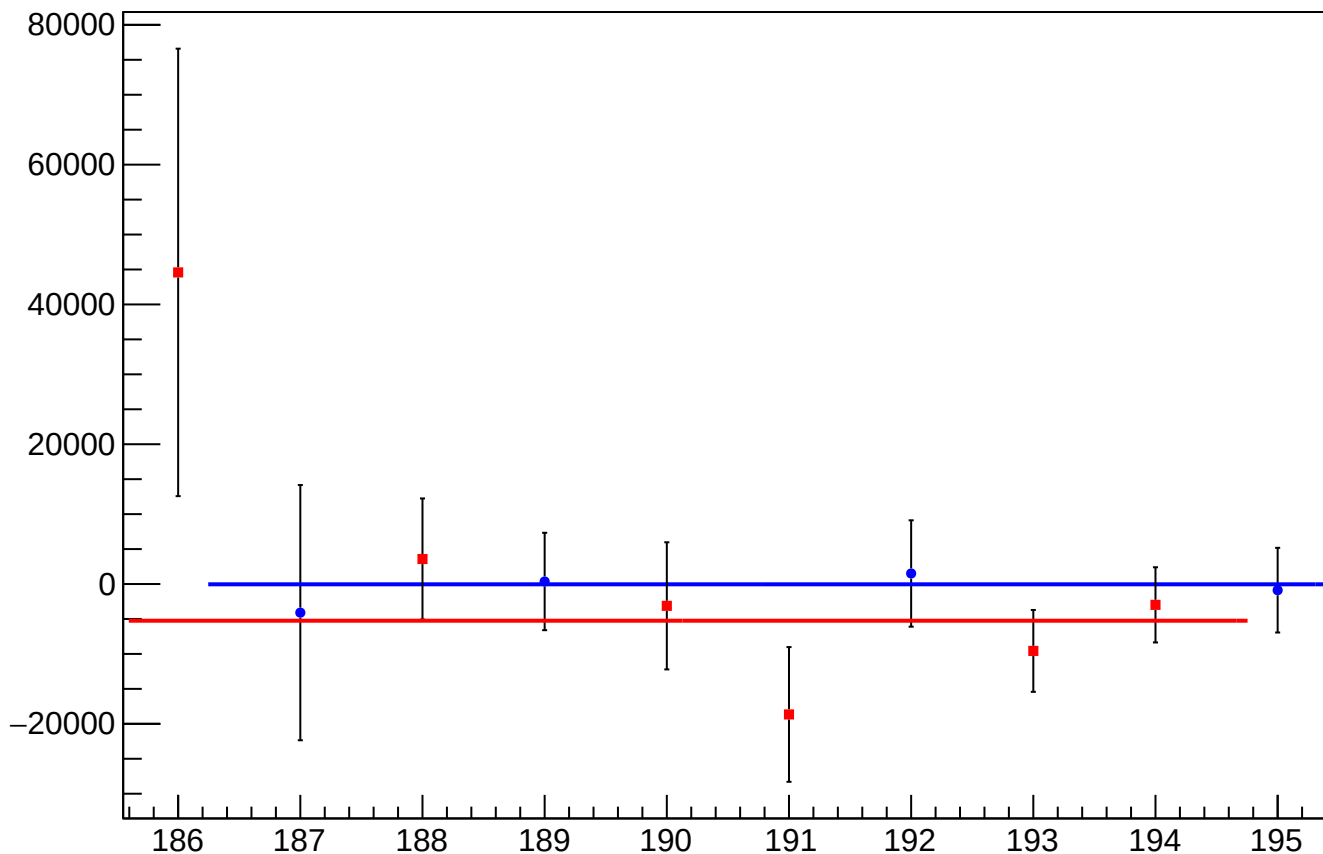
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 424.692 $\pm$ 0.140  $\chi^2$ /NDF: 482032.4/9

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

# asym\_sam4\_correction\_mean vs Slug



Right In:  $-40.158 \pm 3831.189$   $\chi^2/\text{NDF}$ : 0.1/3

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

Right Out:  $-5249.061 \pm 3148.536$   $\chi^2/\text{NDF}$ : 6.2/5

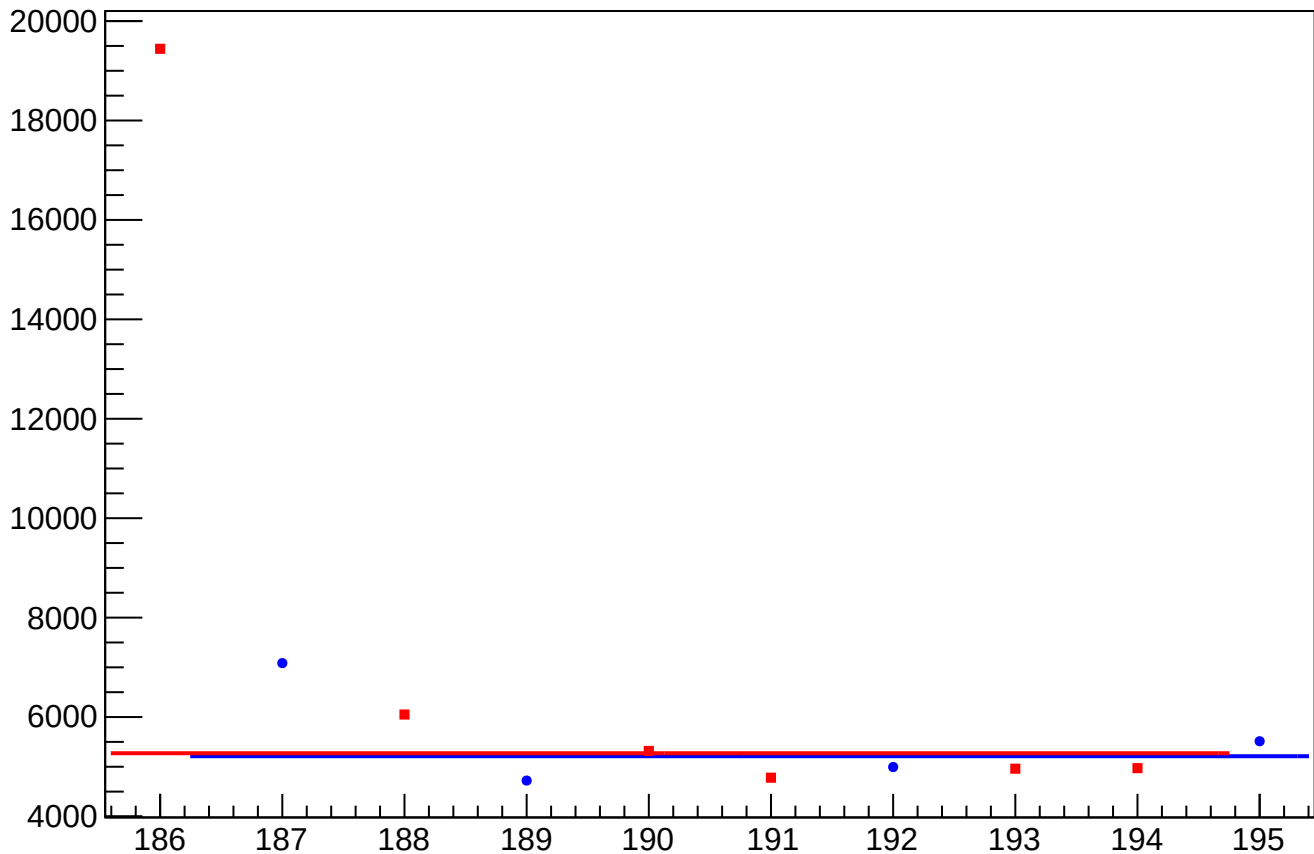
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-3149.240 \pm 2432.493$   $\chi^2/\text{NDF}$ : 7.4/9

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

# asym\_sam4\_correction\_rms vs Slug



Right In: 5211.809 $\pm$ 2.709  $\chi^2$ /NDF: 37510.0/3

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

Right Out: 5272.178 $\pm$ 2.226  $\chi^2$ /NDF: 425232.4/5

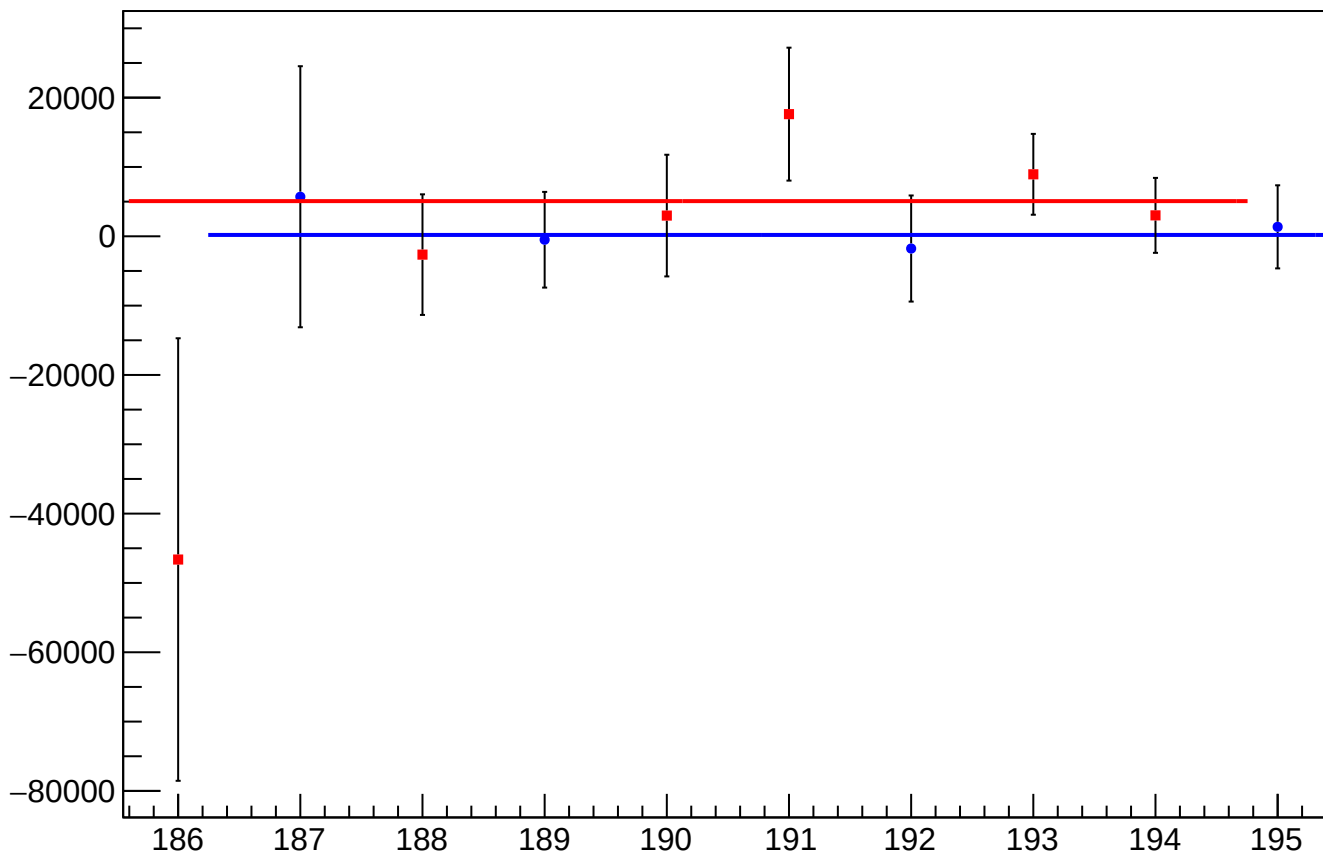
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 5247.842 $\pm$ 1.720  $\chi^2$ /NDF: 463038.9/9

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

# asym\_sam4\_mean vs Slug



Right In: 196.147 $\pm$ 3814.444  $\chi^2$ /NDF: 0.2/3

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

Right Out: 5074.366 $\pm$ 3135.715  $\chi^2$ /NDF: 5.8/5

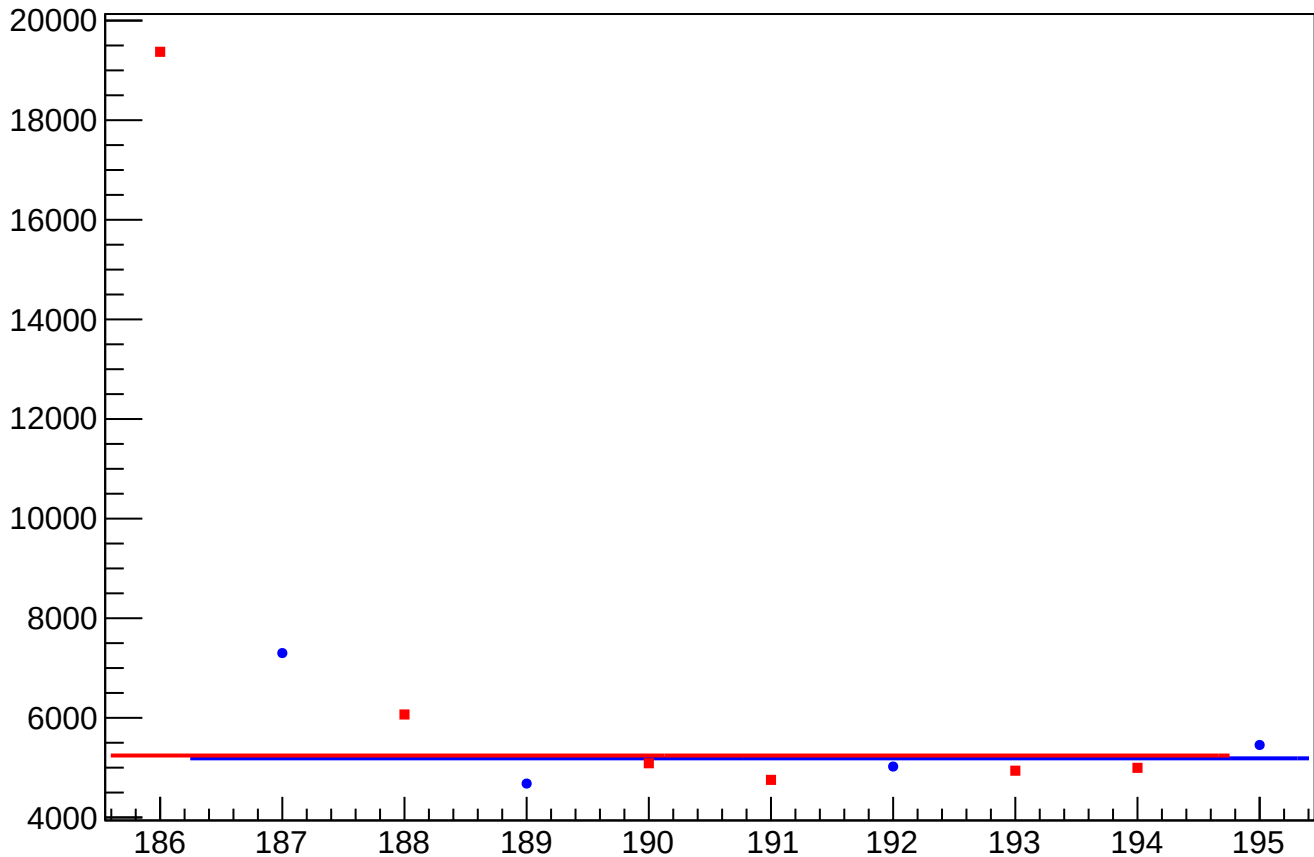
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

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

All: 3107.146 $\pm$ 2422.295  $\chi^2$ /NDF: 6.9/9

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

# asym\_sam4\_rms vs Slug



Right In: 5186.942 $\pm$ 2.697  $\chi^2$ /NDF: 40900.5/3

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

Right Out: 5243.609 $\pm$ 2.217  $\chi^2$ /NDF: 425413.2/5

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

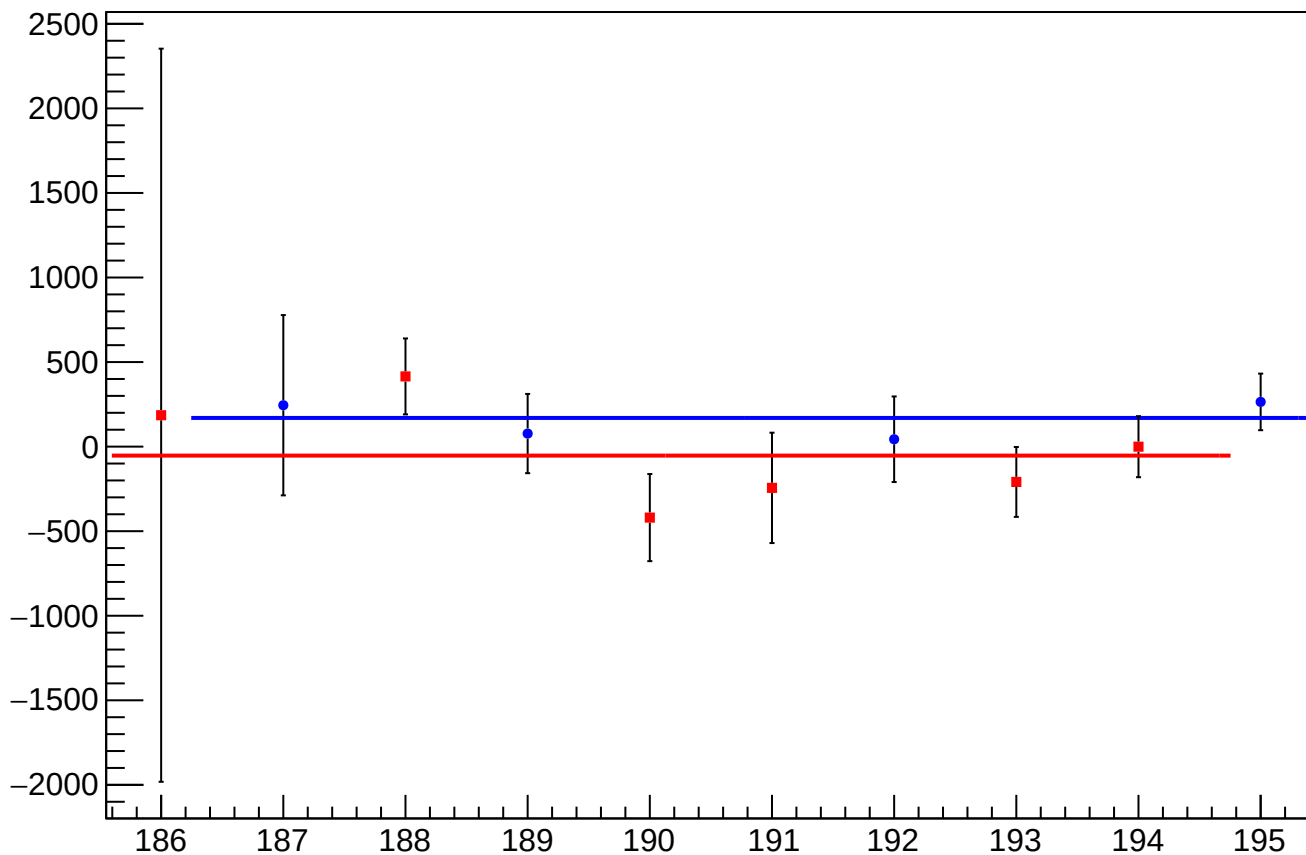
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5220.757 $\pm$ 1.713  $\chi^2$ /NDF: 466577.0/9

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



# dit\_asym\_sam5\_mean vs Slug



Right In: 169.673 $\pm$ 116.963  $\chi^2$ /NDF: 0.7/3

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

Right Out: -53.095 $\pm$ 100.687  $\chi^2$ /NDF: 7.4/5

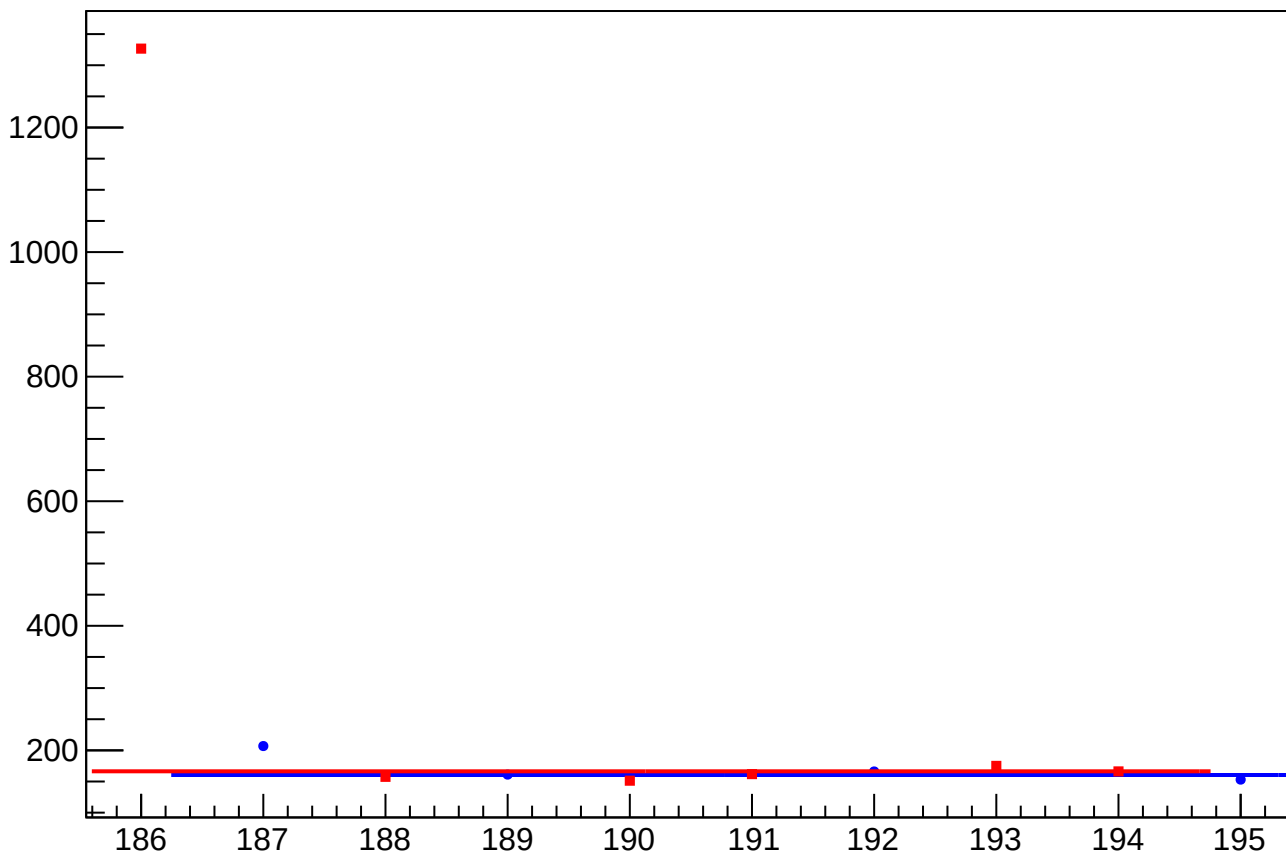
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 41.722 $\pm$ 76.307  $\chi^2$ /NDF: 10.2/9

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

# dit\_asym\_sam5\_rms vs Slug



Right In: 160.440 $\pm$ 0.083  $\chi^2$ /NDF: 20137.8/3

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

Right Out: 166.378 $\pm$ 0.071  $\chi^2$ /NDF: 586979.7/5

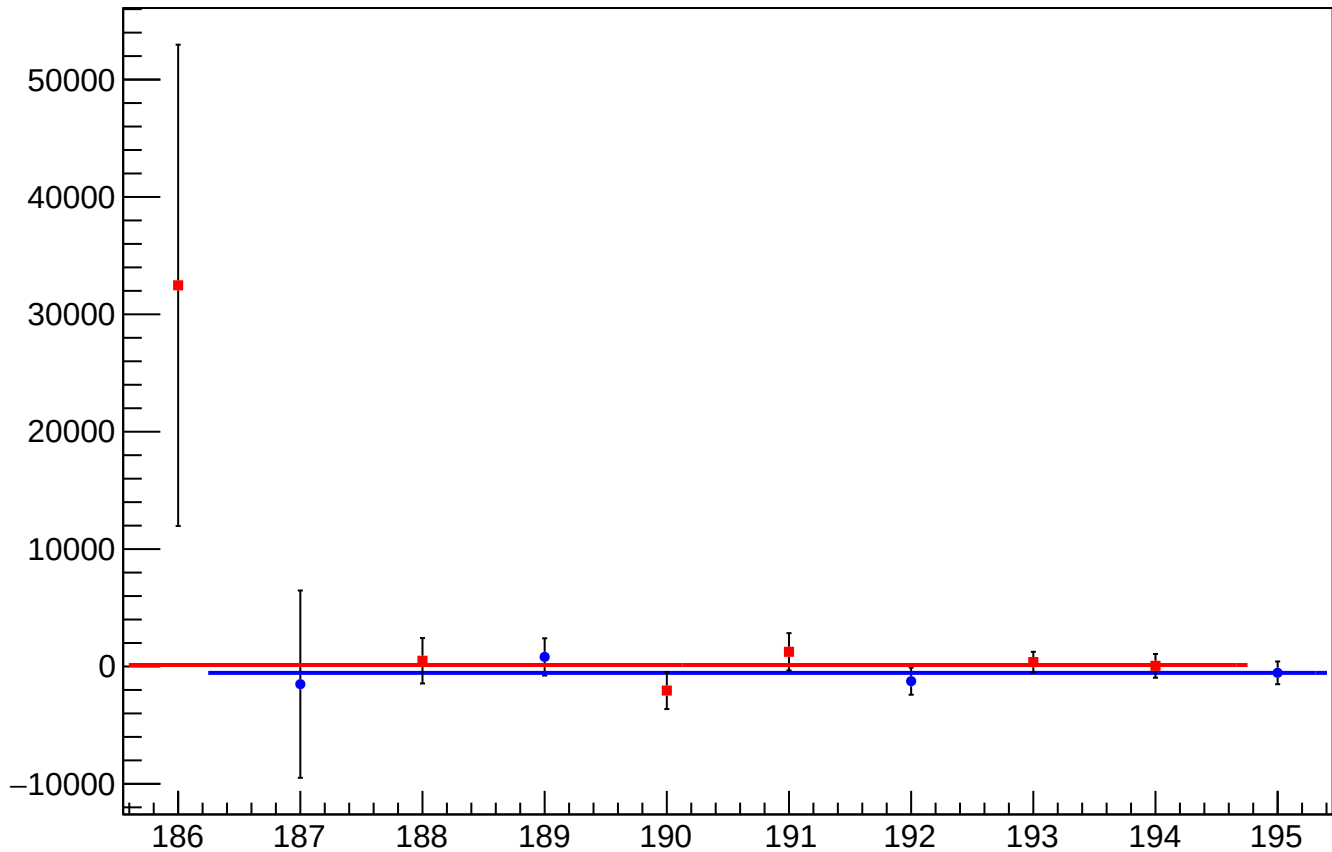
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 163.850 $\pm$ 0.054  $\chi^2$ /NDF: 610077.9/9

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

# asym\_sam5\_correction\_mean vs Slug



Right In: -543.752+/-669.543  $\chi^2/\text{NDF}$ : 1.1/3

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

Right Out: 127.101+/-546.361  $\chi^2/\text{NDF}$ : 5.0/5

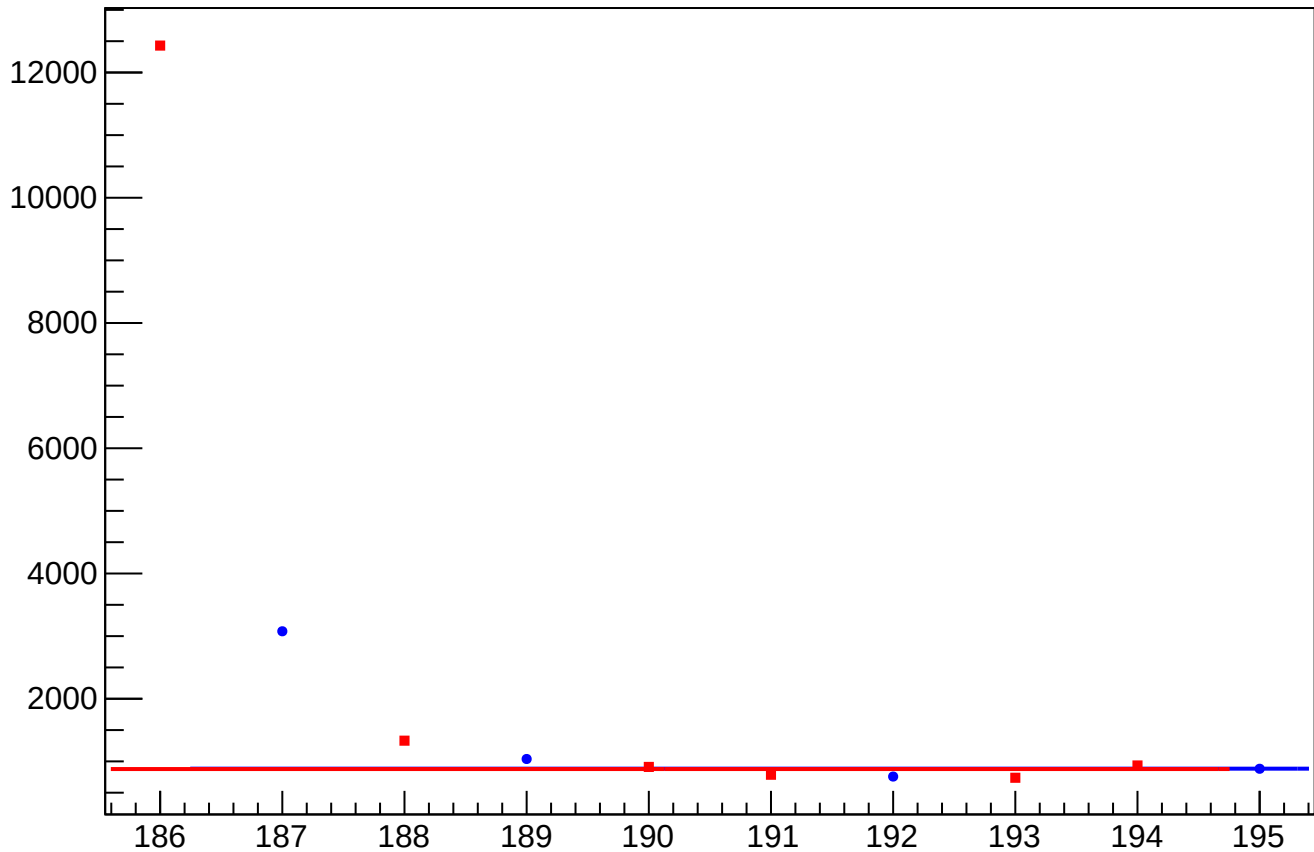
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -141.053+/-423.308  $\chi^2/\text{NDF}$ : 6.7/9

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

# asym\_sam5\_correction\_rms vs Slug



Right In: 883.746 $\pm$ 0.473  $\chi^2$ /NDF: 193954.9/3

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

Right Out: 877.636 $\pm$ 0.386  $\chi^2$ /NDF: 809229.0/5

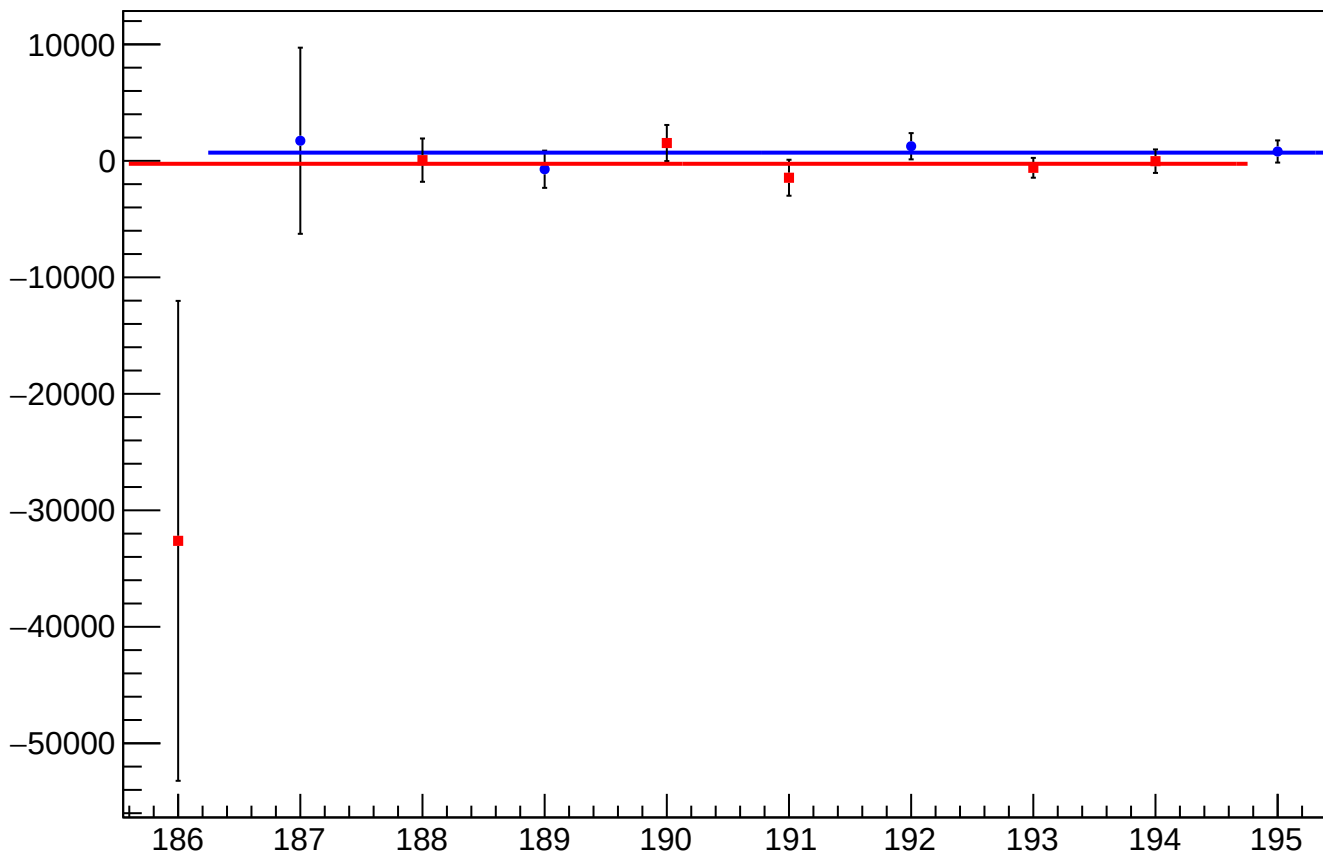
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 880.078 $\pm$ 0.299  $\chi^2$ /NDF: 1003283.9/9

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

# asym\_sam5\_mean vs Slug



Right In: 705.832 $\pm$ 659.588  $\chi^2$ /NDF: 1.1/3

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

Right Out: -252.114 $\pm$ 535.283  $\chi^2$ /NDF: 4.6/5

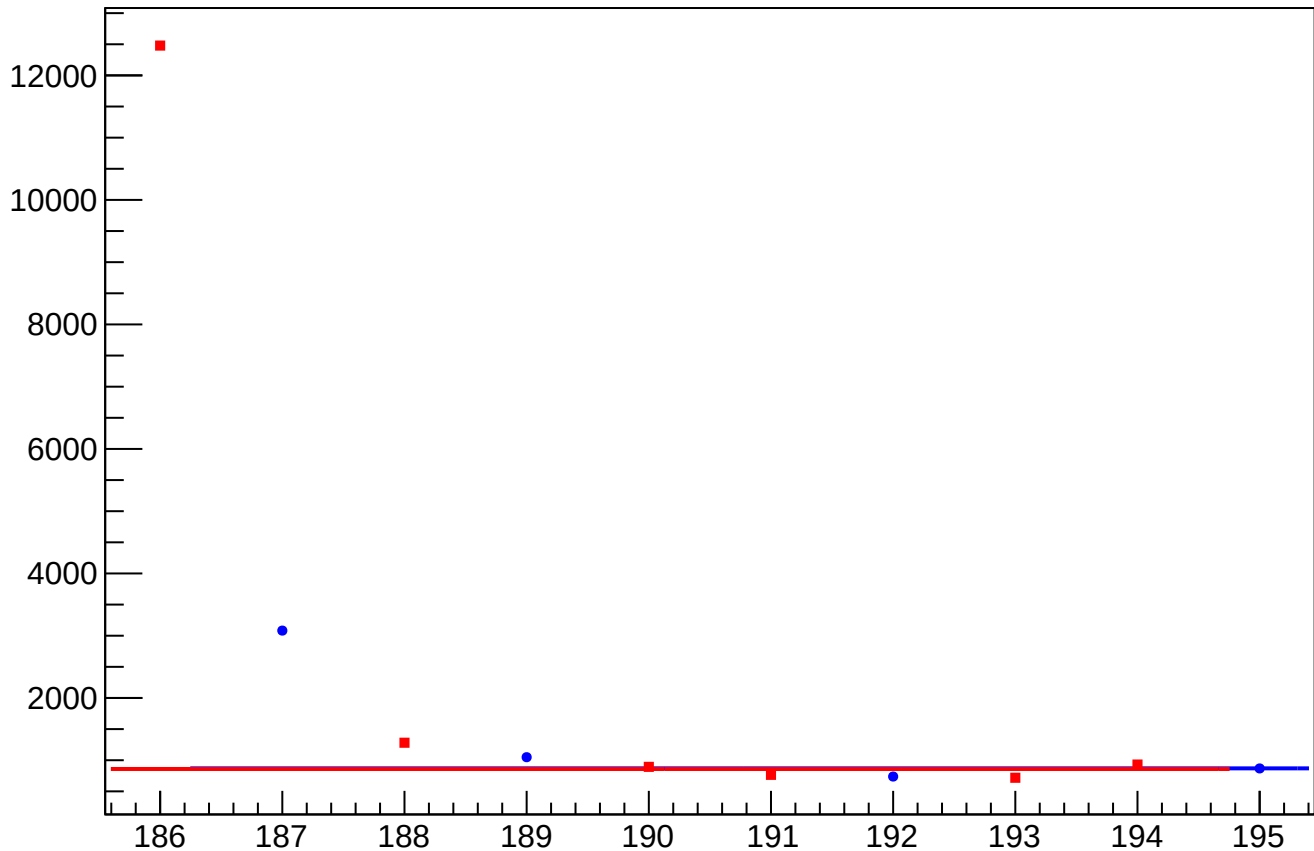
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

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

All: 128.269 $\pm$ 415.636  $\chi^2$ /NDF: 7.0/9

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

# asym\_sam5\_rms vs Slug



Right In: 869.295+/-0.466  $\chi^2/\text{NDF}$ : 205763.4/3

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

Right Out: 859.254+/-0.379  $\chi^2/\text{NDF}$ : 812542.6/5

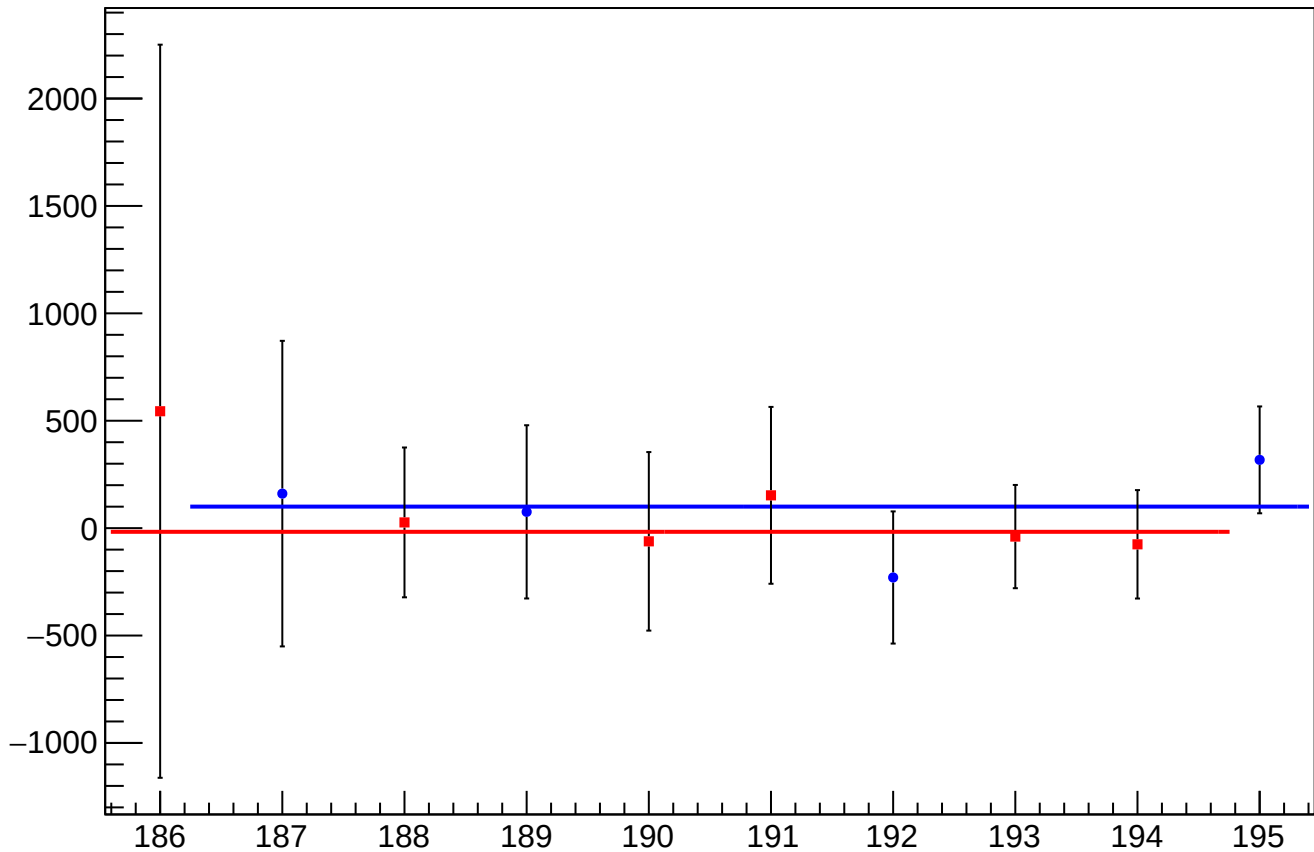
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 863.241+/-0.294  $\chi^2/\text{NDF}$ : 1018585.5/9

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

# dit\_asym\_sam6\_mean vs Slug



Right In: 100.252+/-169.374  $\chi^2/\text{NDF}$ : 1.9/3

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

Right Out: -17.087+/-137.020  $\chi^2/\text{NDF}$ : 0.4/5

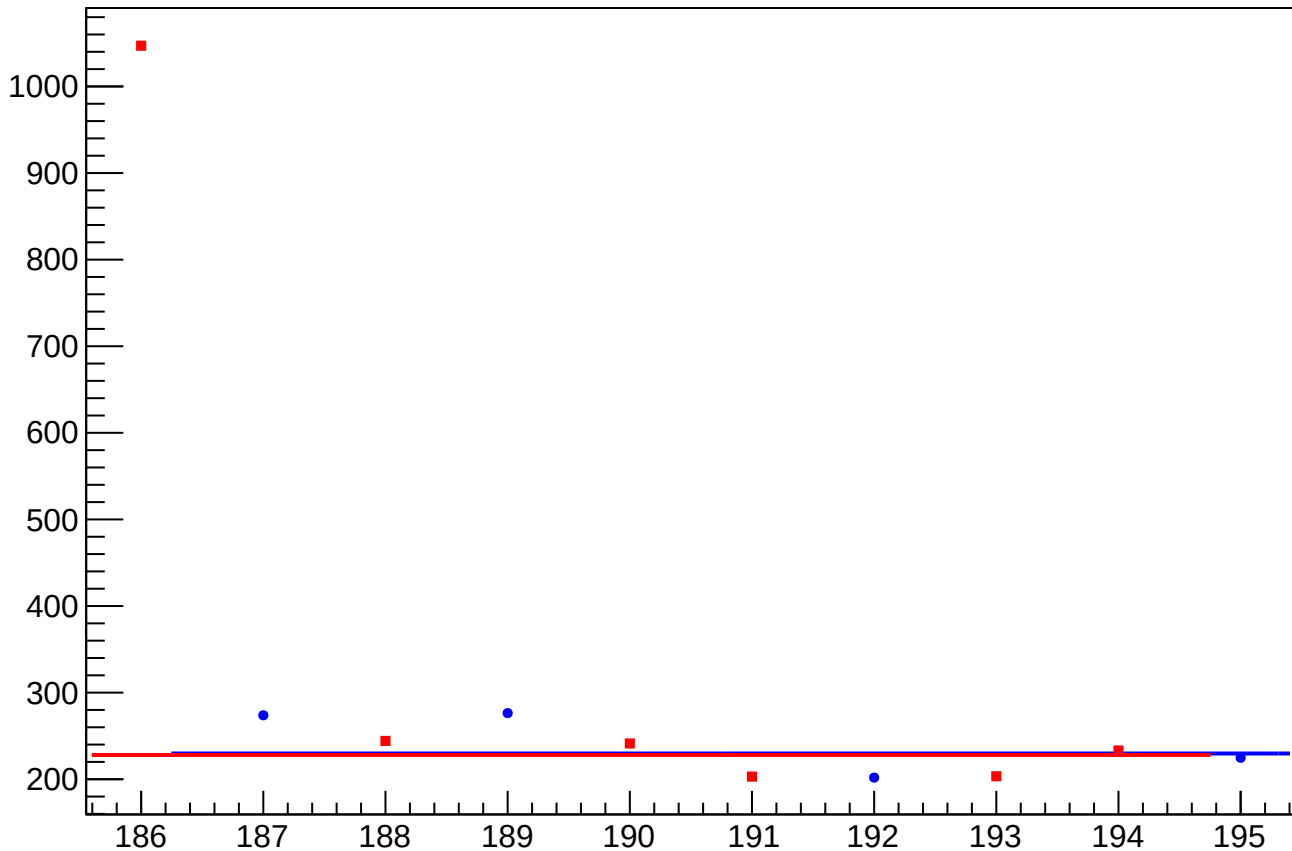
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 29.328+/-106.527  $\chi^2/\text{NDF}$ : 2.6/9

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

# dit\_asym\_sam6\_rms vs Slug



Right In: 229.701 $\pm$ 0.120  $\chi^2$ /NDF: 51605.8/3

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

Right Out: 228.007 $\pm$ 0.097  $\chi^2$ /NDF: 496198.5/5

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

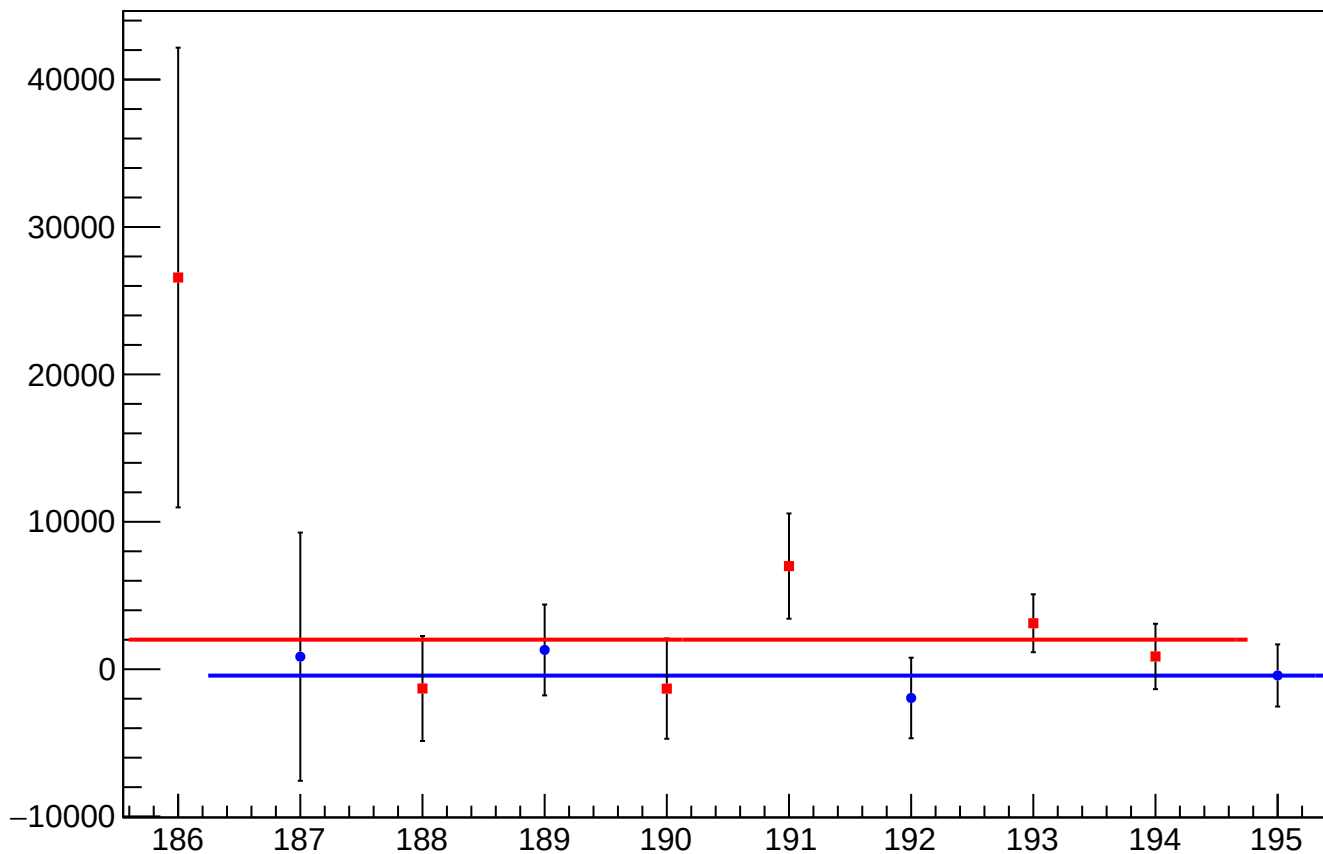
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 228.677 $\pm$ 0.075  $\chi^2$ /NDF: 547925.2/9

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



# asym\_sam6\_correction\_mean vs Slug



Right In: -432.066+/-1445.775  $\chi^2/\text{NDF}$ : 0.7/3

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

Right Out: 2006.495+/-1186.789  $\chi^2/\text{NDF}$ : 6.8/5

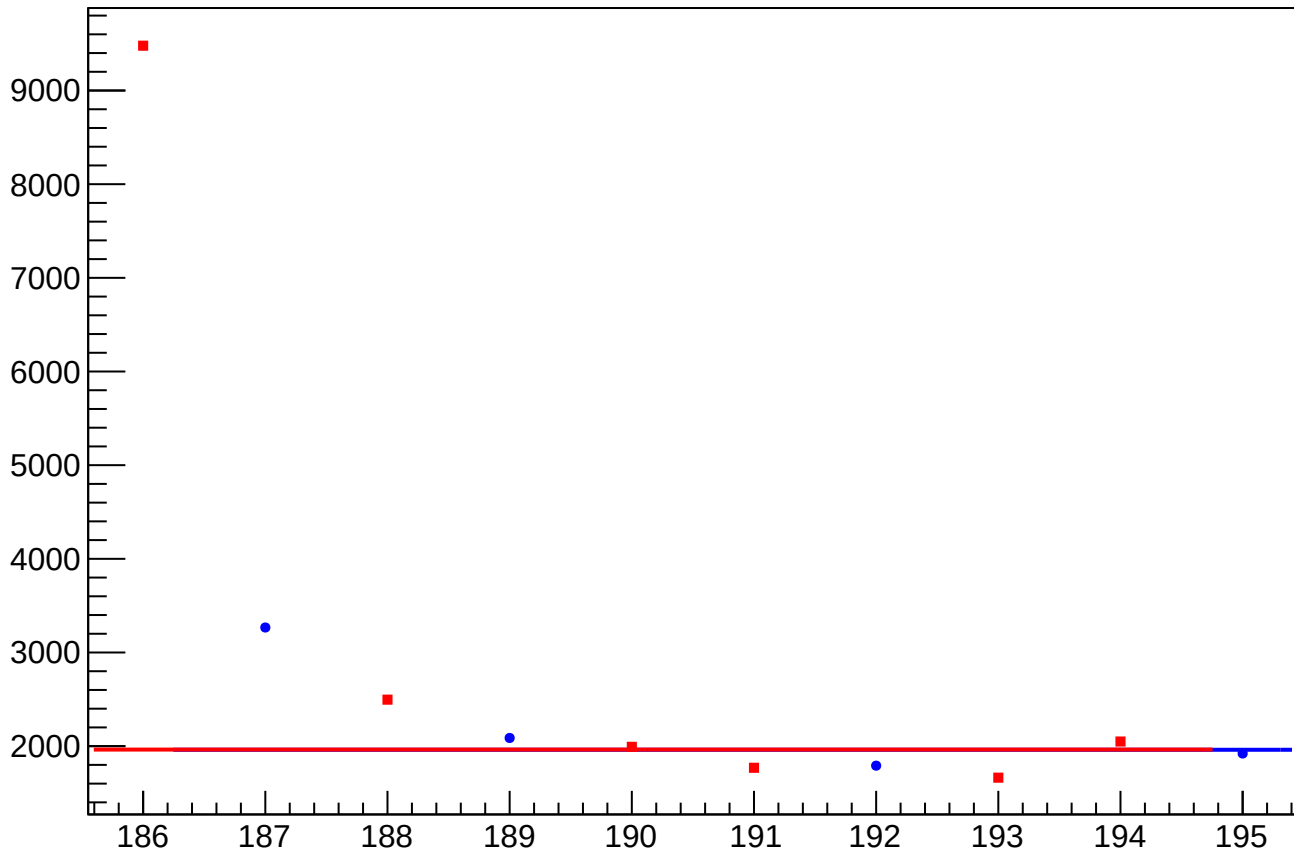
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1024.815+/-917.316  $\chi^2/\text{NDF}$ : 9.2/9

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

# asym\_sam6\_correction\_rms vs Slug



Right In: 1961.319 $\pm$ 1.022  $\chi^2$ /NDF: 59863.7/3

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

Right Out: 1963.454 $\pm$ 0.839  $\chi^2$ /NDF: 565075.1/5

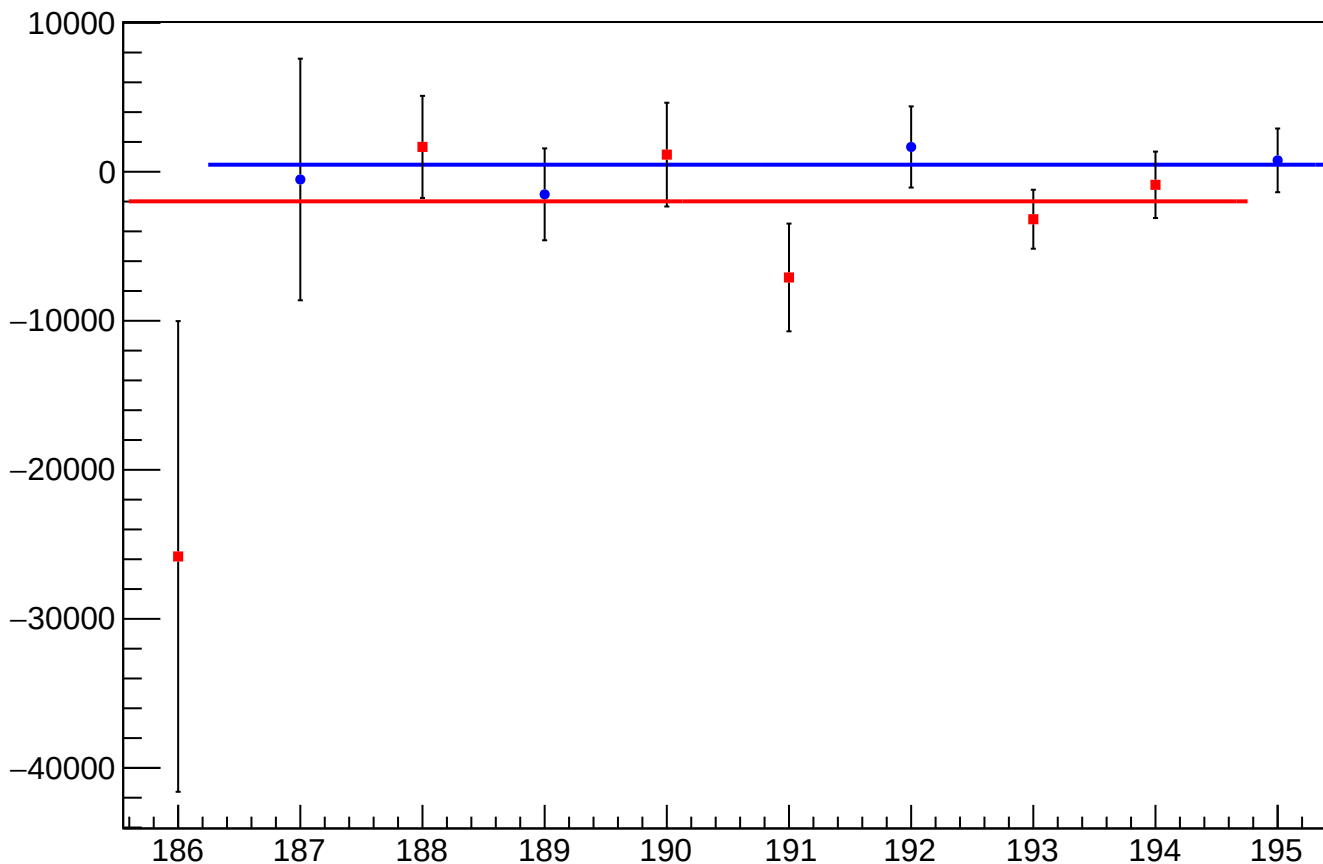
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1962.595 $\pm$ 0.649  $\chi^2$ /NDF: 624941.3/9

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

# asym\_sam6\_mean vs Slug



Right In: 472.667 $\pm$ 1452.275  $\chi^2$ /NDF: 0.6/3

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

Right Out: -1985.829 $\pm$ 1190.778  $\chi^2$ /NDF: 6.8/5

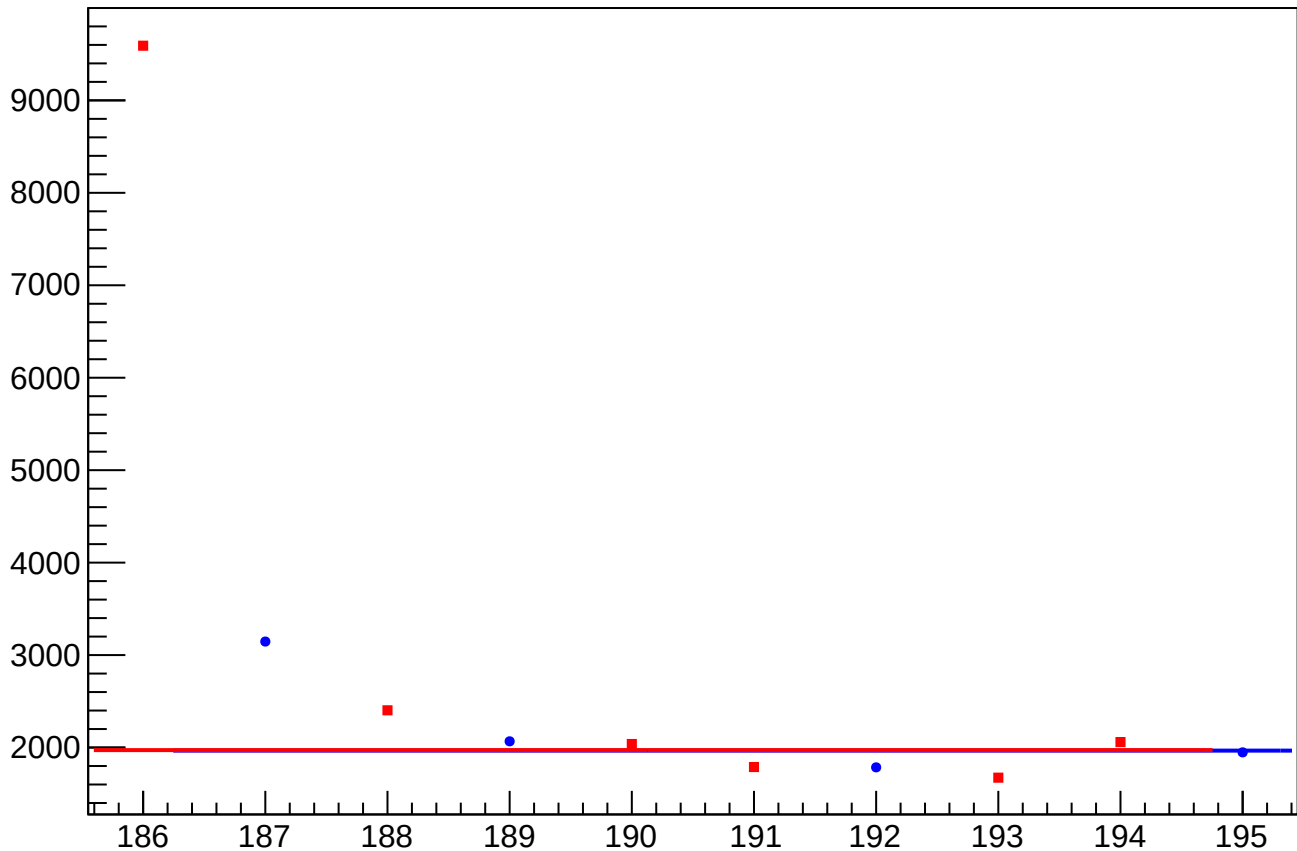
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -997.461 $\pm$ 920.817  $\chi^2$ /NDF: 9.2/9

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

# asym\_sam6\_rms vs Slug



Right In: 1966.532 $\pm$ 1.027  $\chi^2$ /NDF: 53489.0/3

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

Right Out: 1971.994 $\pm$ 0.842  $\chi^2$ /NDF: 551581.6/5

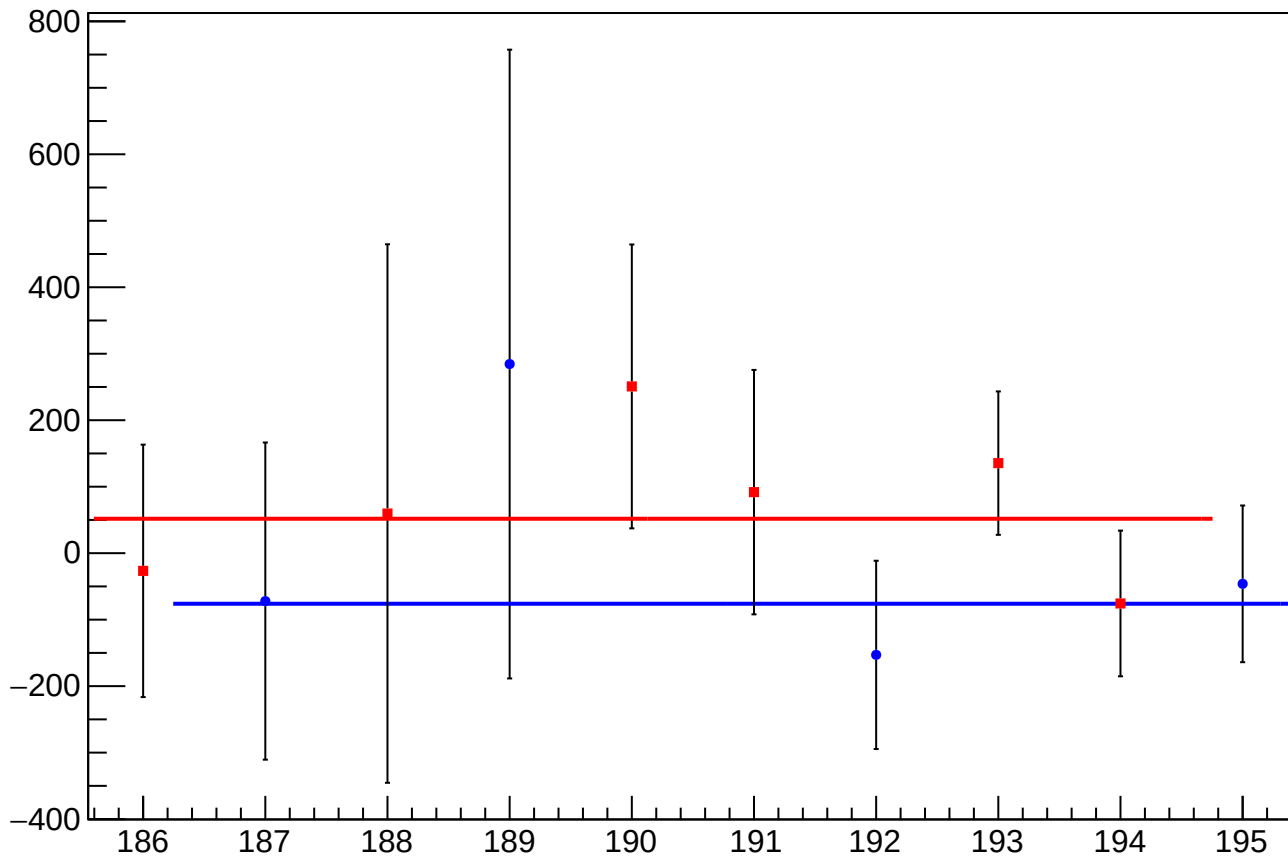
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1969.798 $\pm$ 0.651  $\chi^2$ /NDF: 605087.5/9

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

# dit\_asym\_sam7\_mean vs Slug



Right In: -76.067 $\pm$ 83.358  $\chi^2$ /NDF: 0.9/3

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

Right Out: 51.784 $\pm$ 62.674  $\chi^2$ /NDF: 3.0/5

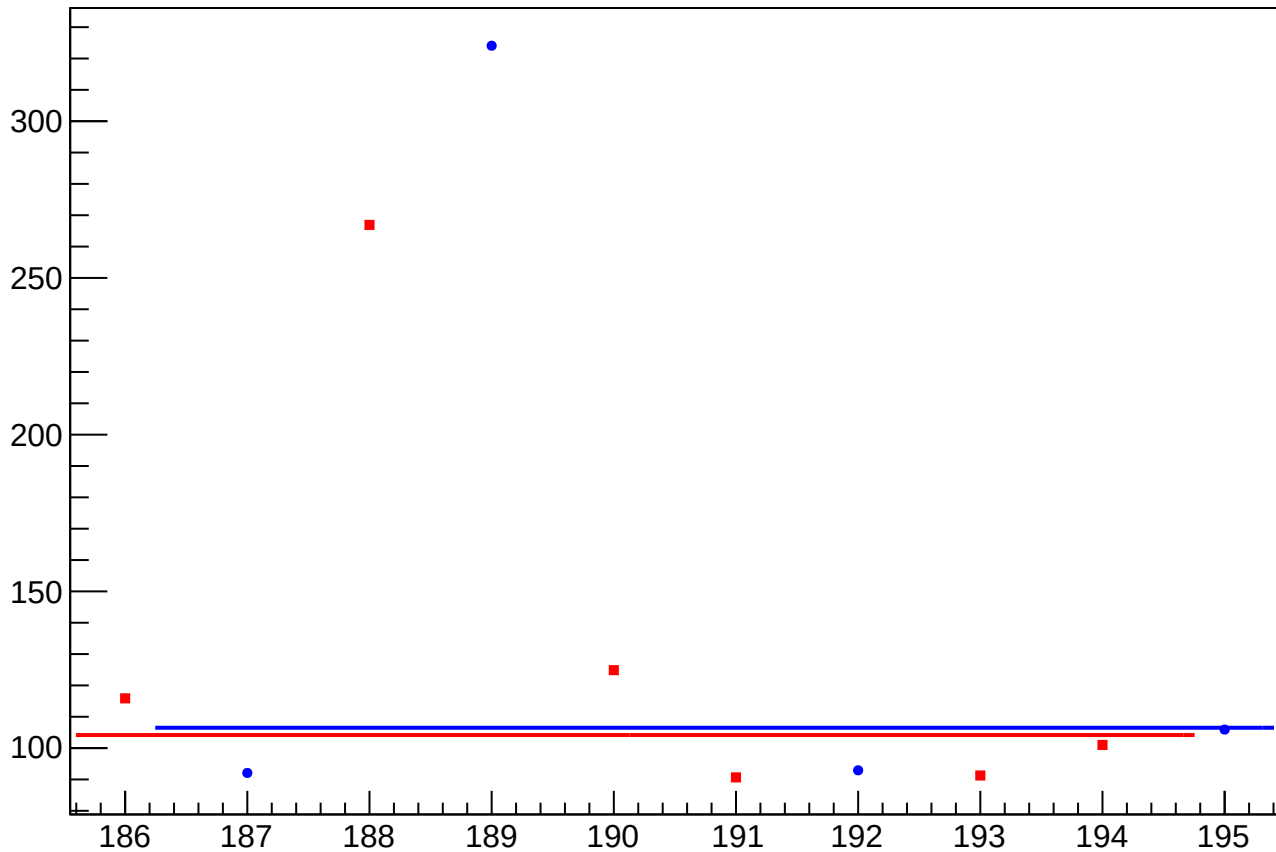
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 5.611 $\pm$ 50.094  $\chi^2$ /NDF: 5.5/9

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

# dit\_asym\_sam7\_rms vs Slug



Right In: 106.497 $\pm$ 0.059  $\chi^2$ /NDF: 449151.4/3

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

Right Out: 104.169 $\pm$ 0.044  $\chi^2$ /NDF: 390416.0/5

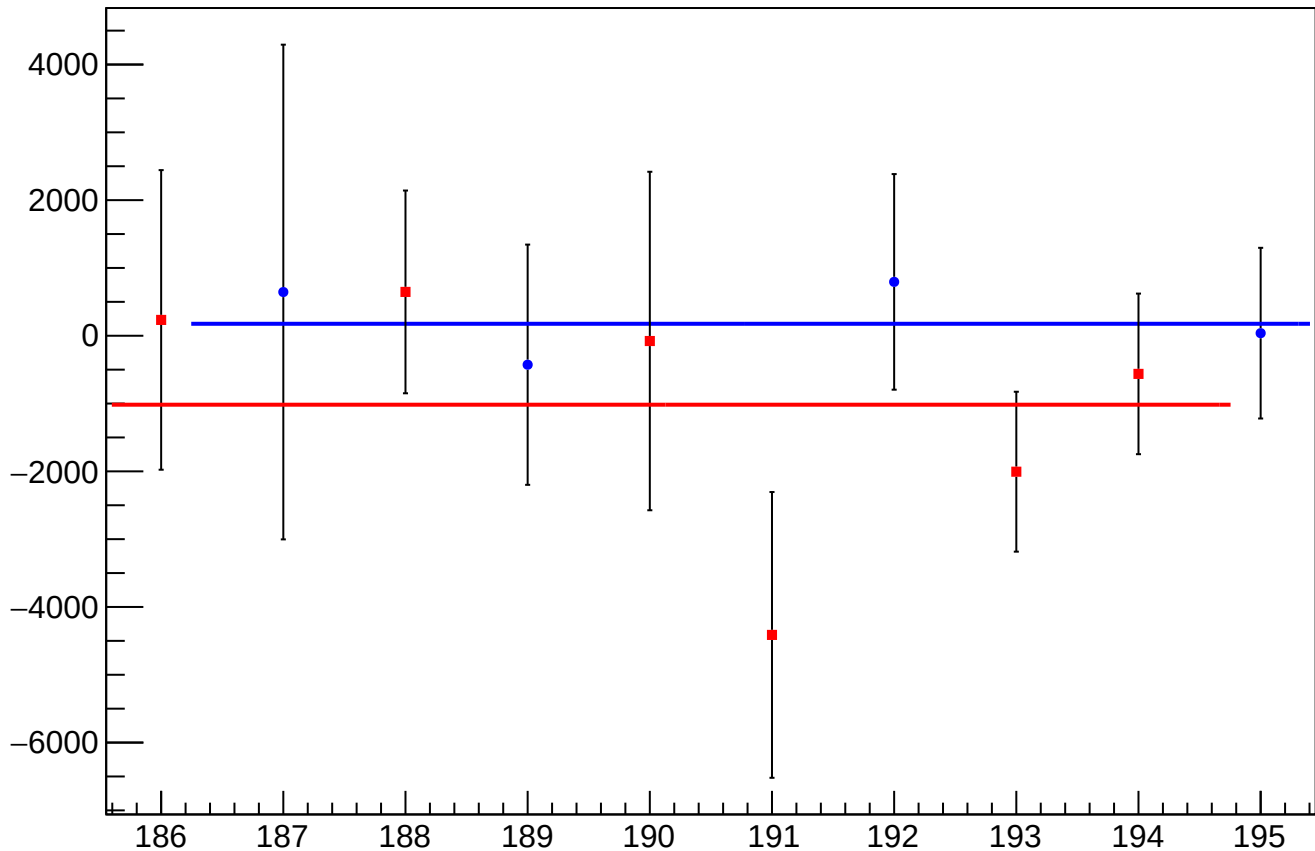
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 105.010 $\pm$ 0.035  $\chi^2$ /NDF: 840564.6/9

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

# asym\_sam7\_correction\_mean vs Slug



Right In: 176.464 $\pm$ 839.026  $\chi^2$ /NDF: 0.3/3

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

Right Out: -1017.014 $\pm$ 636.294  $\chi^2$ /NDF: 5.1/5

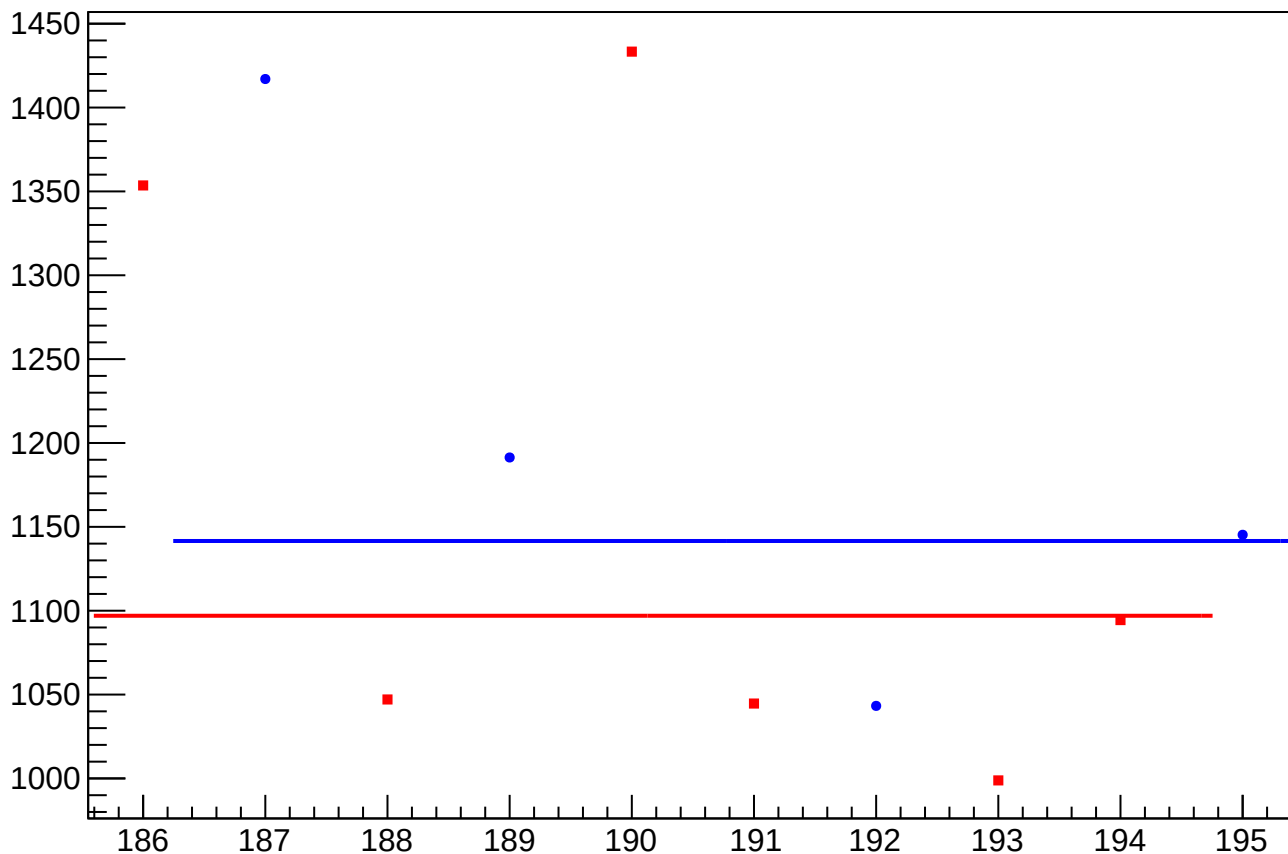
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -581.238 $\pm$ 506.990  $\chi^2$ /NDF: 6.7/9

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

# asym\_sam7\_correction\_rms vs Slug



Right In: 1141.570 $\pm$ 0.593  $\chi^2$ /NDF: 20645.0/3

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

Right Out: 1096.991 $\pm$ 0.450  $\chi^2$ /NDF: 80616.3/5

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

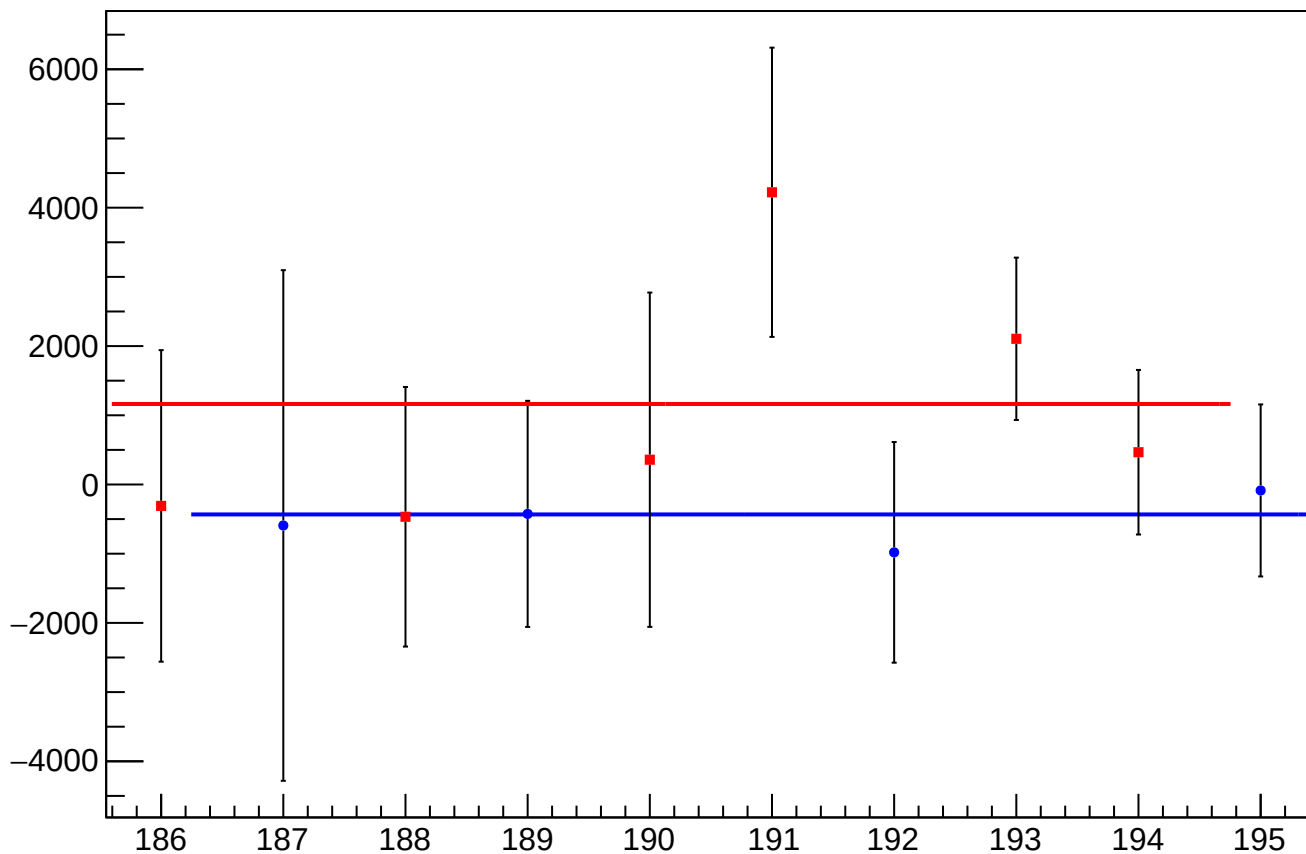
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1113.268 $\pm$ 0.358  $\chi^2$ /NDF: 104845.8/9

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



# asym\_sam7\_mean vs Slug



Right In: -432.709+/-819.529  $\chi^2/\text{NDF}$ : 0.2/3

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

Right Out: 1163.329+/-657.097  $\chi^2/\text{NDF}$ : 4.4/5

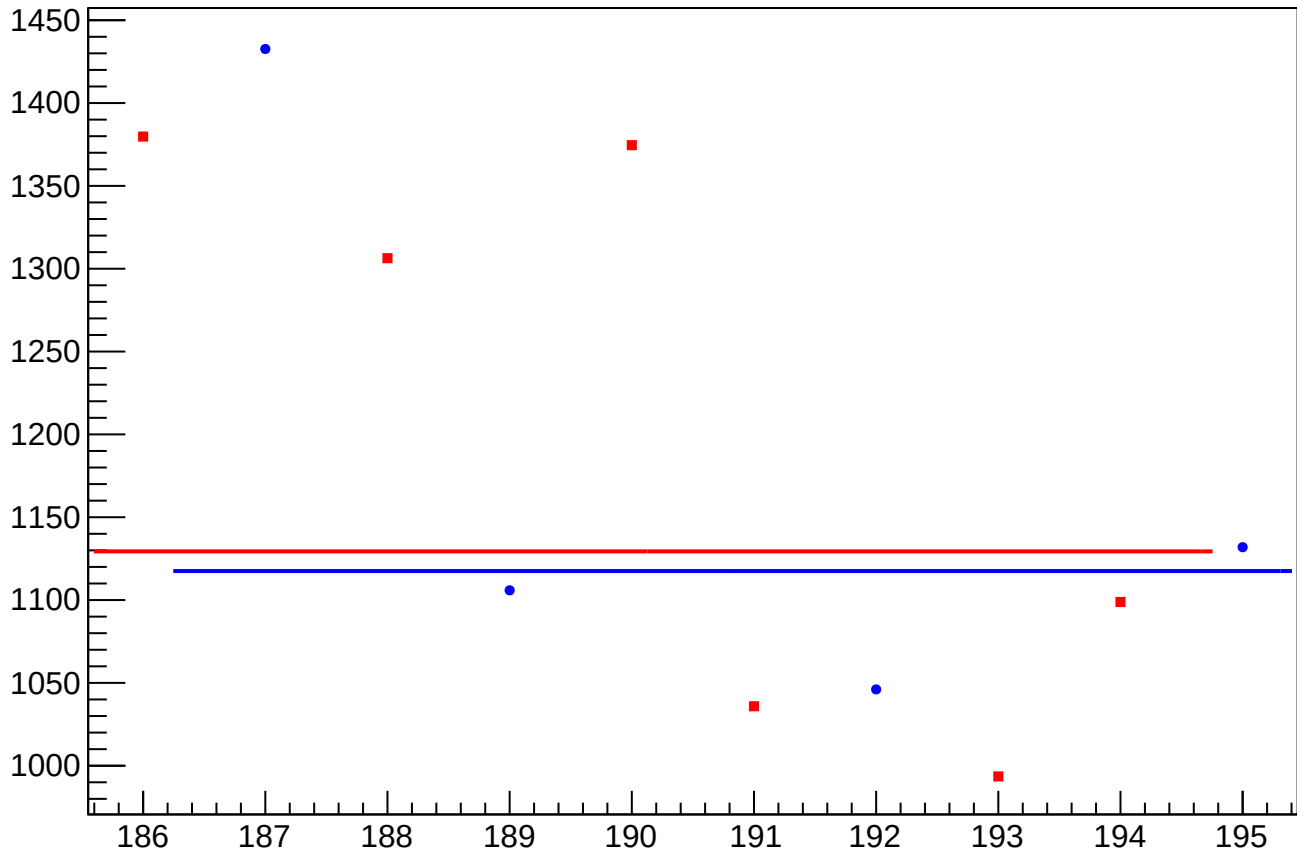
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 538.779+/-512.656  $\chi^2/\text{NDF}$ : 6.9/9

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

# asym\_sam7\_rms vs Slug



Right In: 1117.514 $\pm$ 0.579  $\chi^2$ /NDF: 18976.4/3

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

Right Out: 1129.384 $\pm$ 0.465  $\chi^2$ /NDF: 95299.1/5

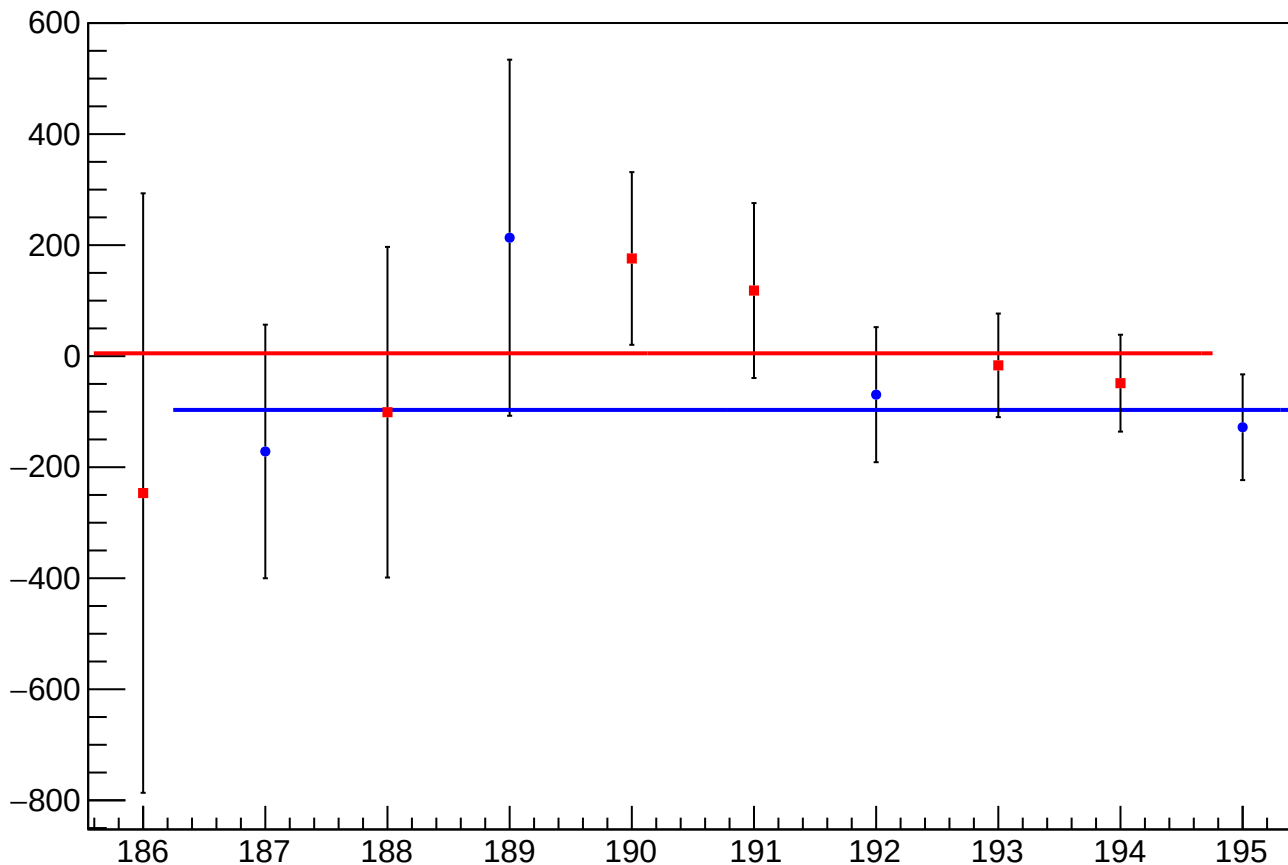
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1124.739 $\pm$ 0.363  $\chi^2$ /NDF: 114530.9/9

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

# dit\_asym\_sam8\_mean vs Slug



Right In:  $-96.820 \pm 69.550$   $\chi^2/\text{NDF}$ : 1.2/3

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

Right Out:  $5.146 \pm 54.034$   $\chi^2/\text{NDF}$ : 2.5/5

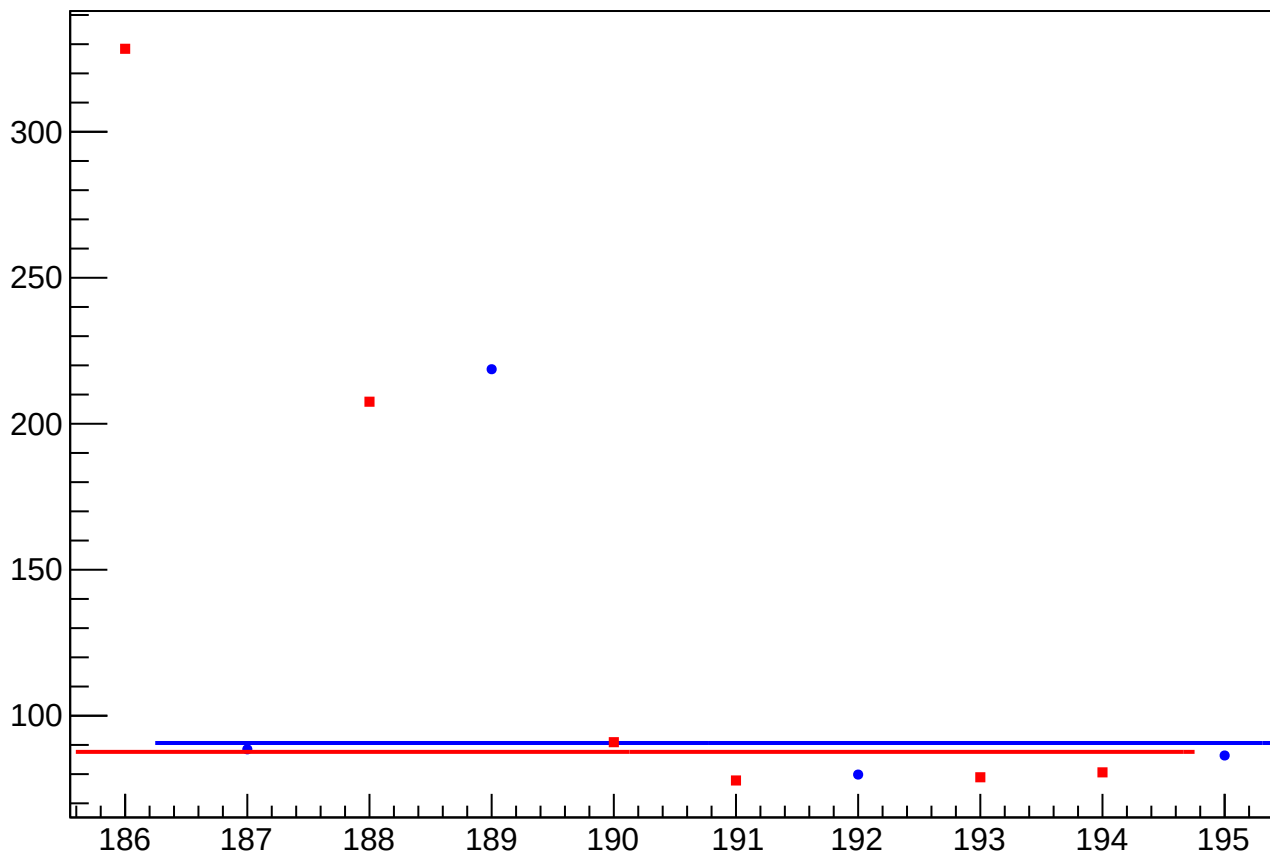
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-33.234 \pm 42.670$   $\chi^2/\text{NDF}$ : 5.0/9

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

# dit\_asym\_sam8\_rms vs Slug



Right In: 90.665 $\pm$ 0.049  $\chi^2$ /NDF: 338675.8/3

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

Right Out: 87.623 $\pm$ 0.038  $\chi^2$ /NDF: 761203.8/5

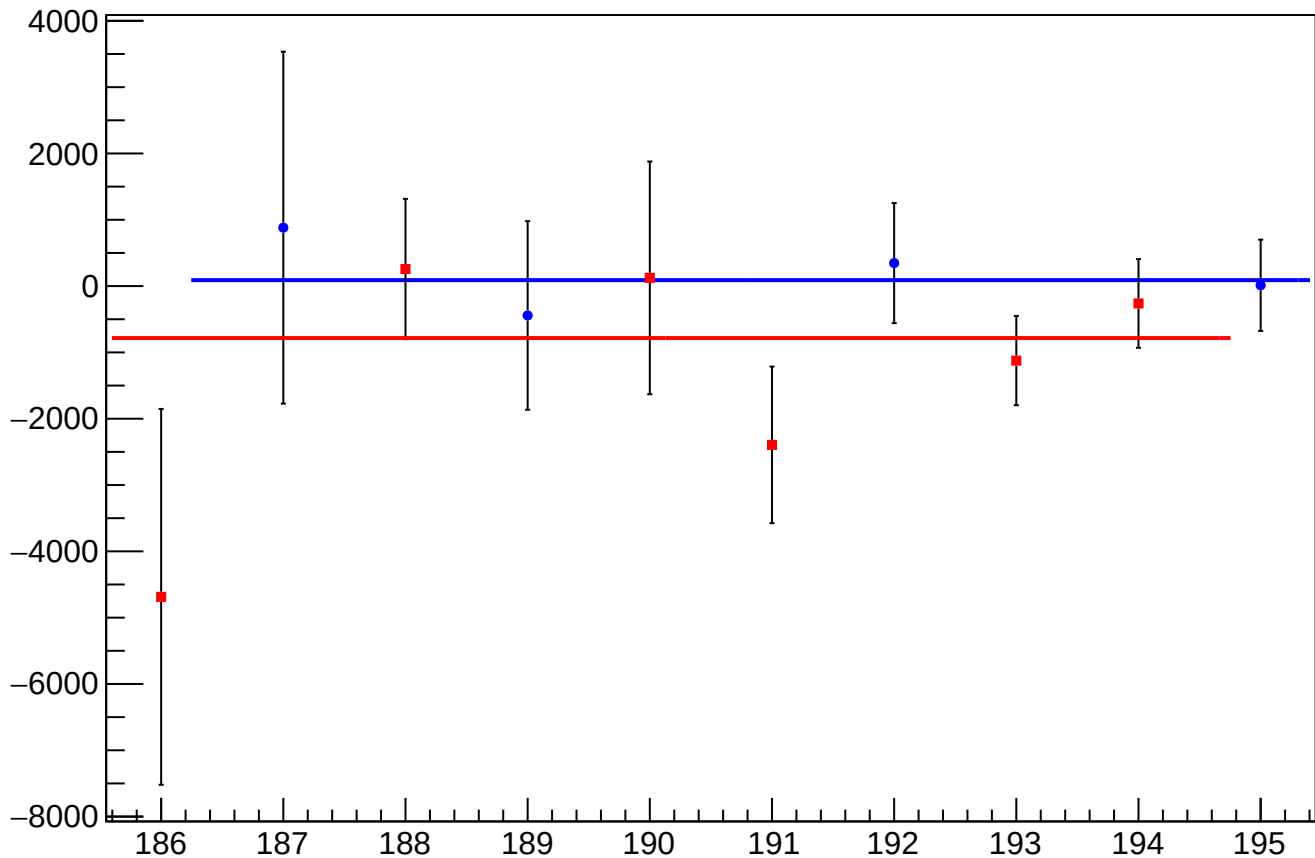
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 88.768 $\pm$ 0.030  $\chi^2$ /NDF: 1102265.5/9

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

# asym\_sam8\_correction\_mean vs Slug



Right In:  $89.656 \pm 501.878$   $\chi^2/\text{NDF}$ : 0.3/3

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

Right Out:  $-783.762 \pm 392.192$   $\chi^2/\text{NDF}$ : 5.9/5

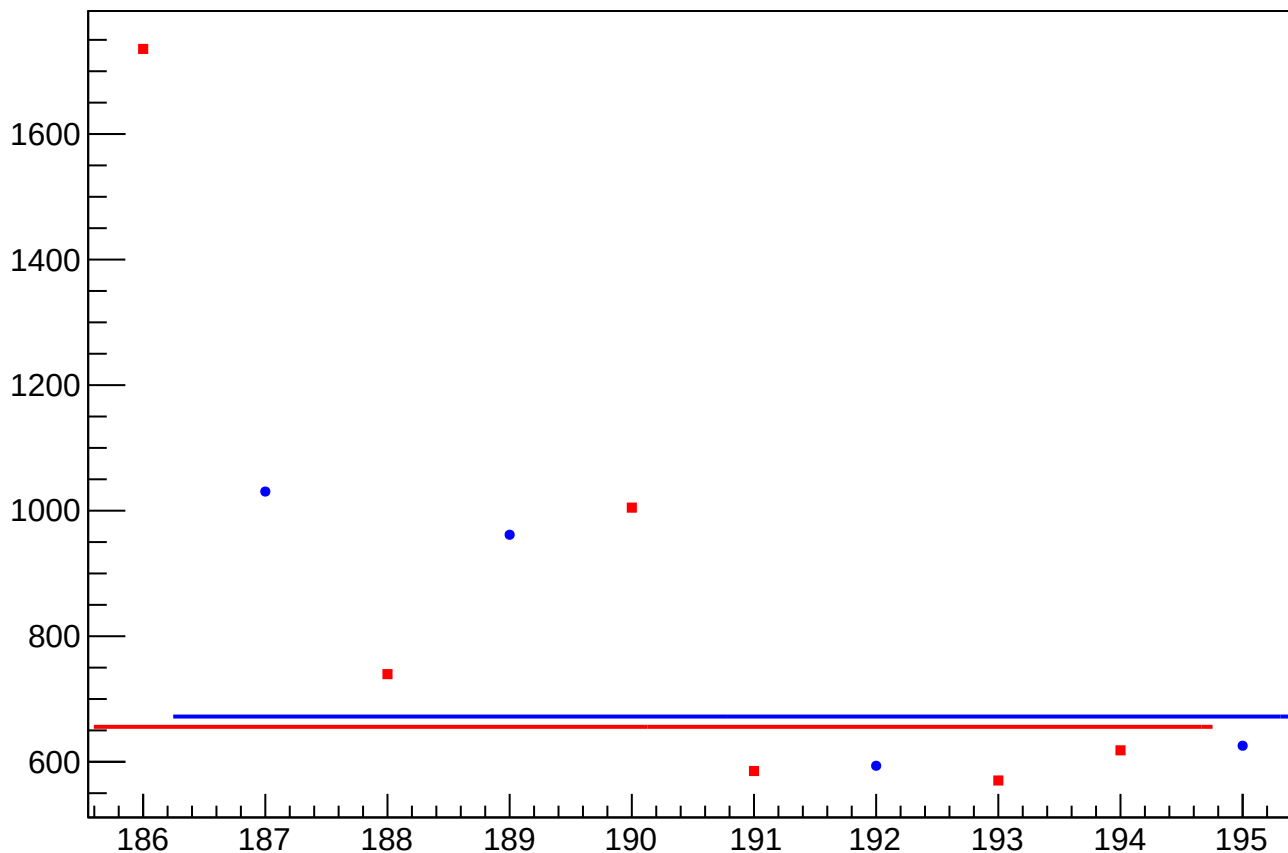
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-452.616 \pm 309.027$   $\chi^2/\text{NDF}$ : 8.1/9

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

# asym\_sam8\_correction\_rms vs Slug



Right In: 672.083 $\pm$ 0.355  $\chi^2$ /NDF: 143488.7/3

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

Right Out: 655.711 $\pm$ 0.277  $\chi^2$ /NDF: 427766.9/5

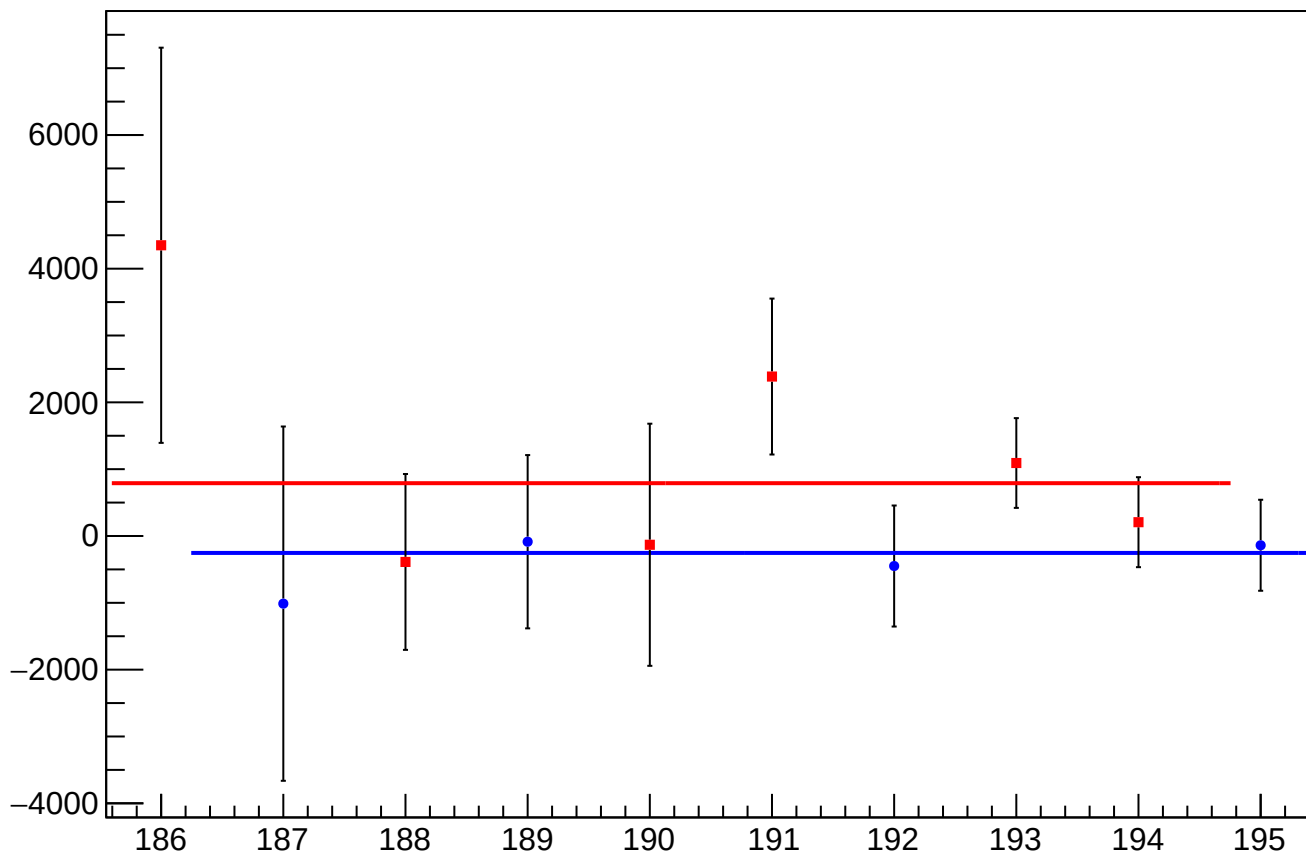
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 661.919 $\pm$ 0.219  $\chi^2$ /NDF: 572577.1/9

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

# asym\_sam8\_mean vs Slug



Right In: -253.321+/-493.005  $\chi^2$ /NDF: 0.2/3

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

Right Out: 790.238+/-403.056  $\chi^2$ /NDF: 5.3/5

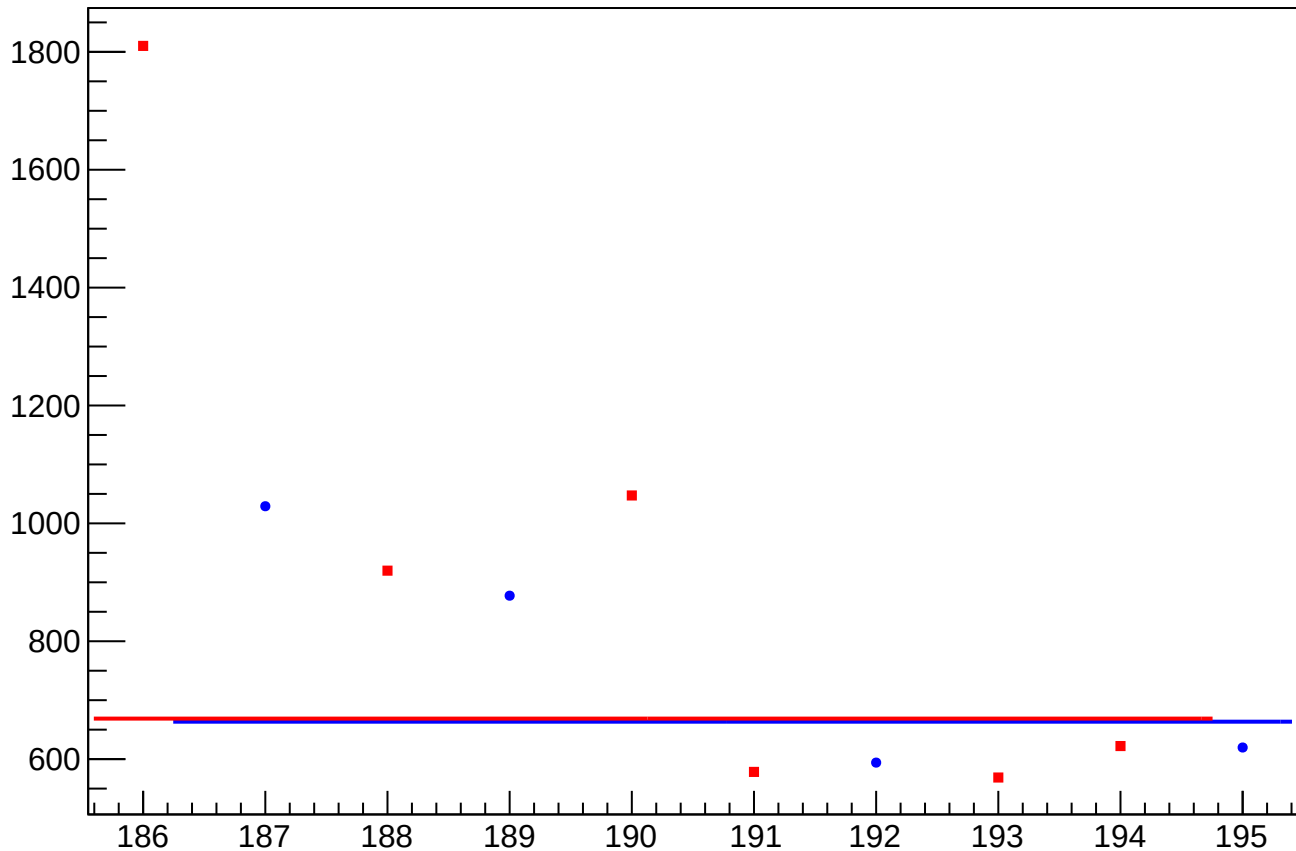
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

All: 372.168+/-312.045  $\chi^2$ /NDF: 8.2/9

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

# asym\_sam8\_rms vs Slug



Right In: 663.524 $\pm$ 0.349  $\chi^2$ /NDF: 112450.2/3

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

Right Out: 668.754 $\pm$ 0.285  $\chi^2$ /NDF: 524061.3/5

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

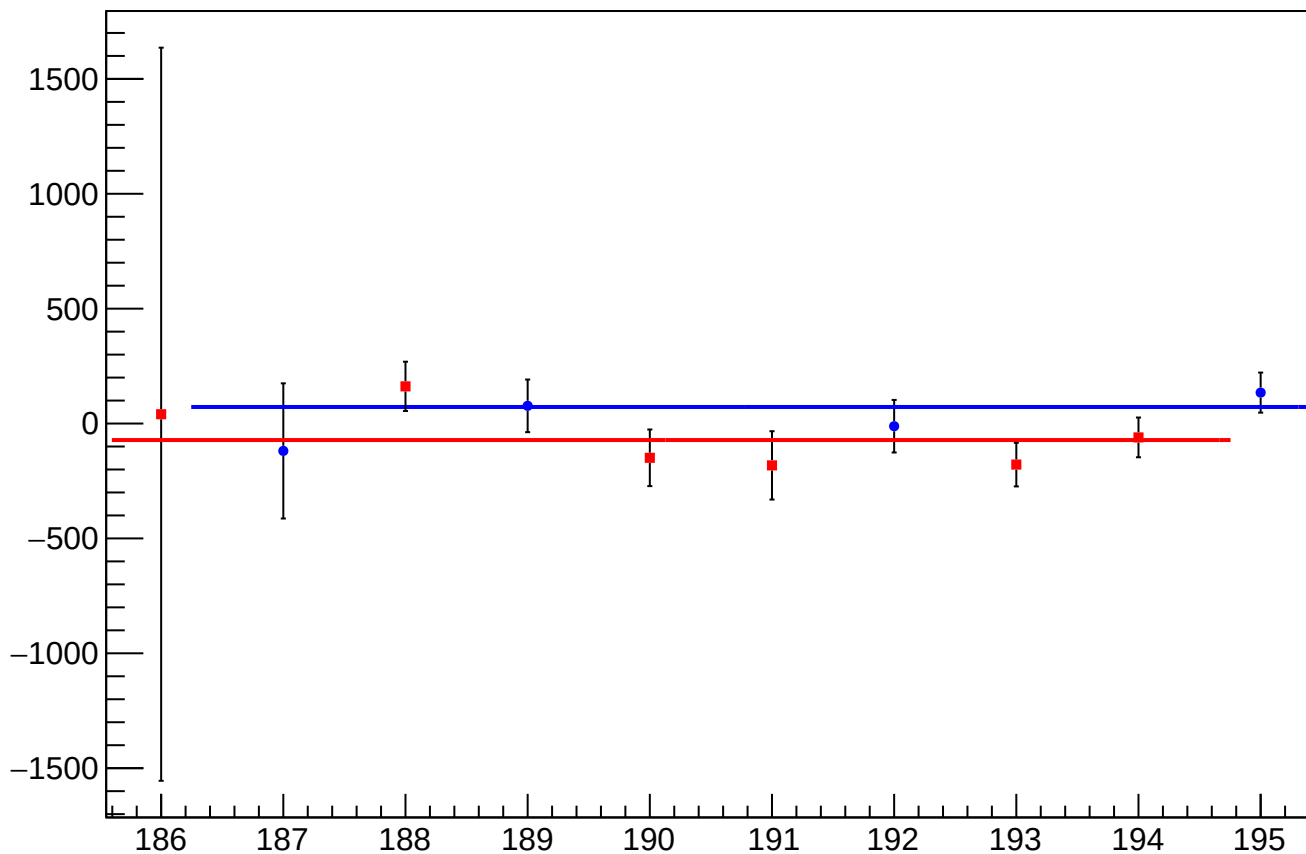
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 666.659 $\pm$ 0.221  $\chi^2$ /NDF: 636646.4/9

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



# dit\_asym\_sam\_15\_avg\_mean vs Slug



Right In: 72.092 $\pm$ 58.133  $\chi^2$ /NDF: 1.5/3

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

Right Out: -71.838 $\pm$ 47.534  $\chi^2$ /NDF: 7.0/5

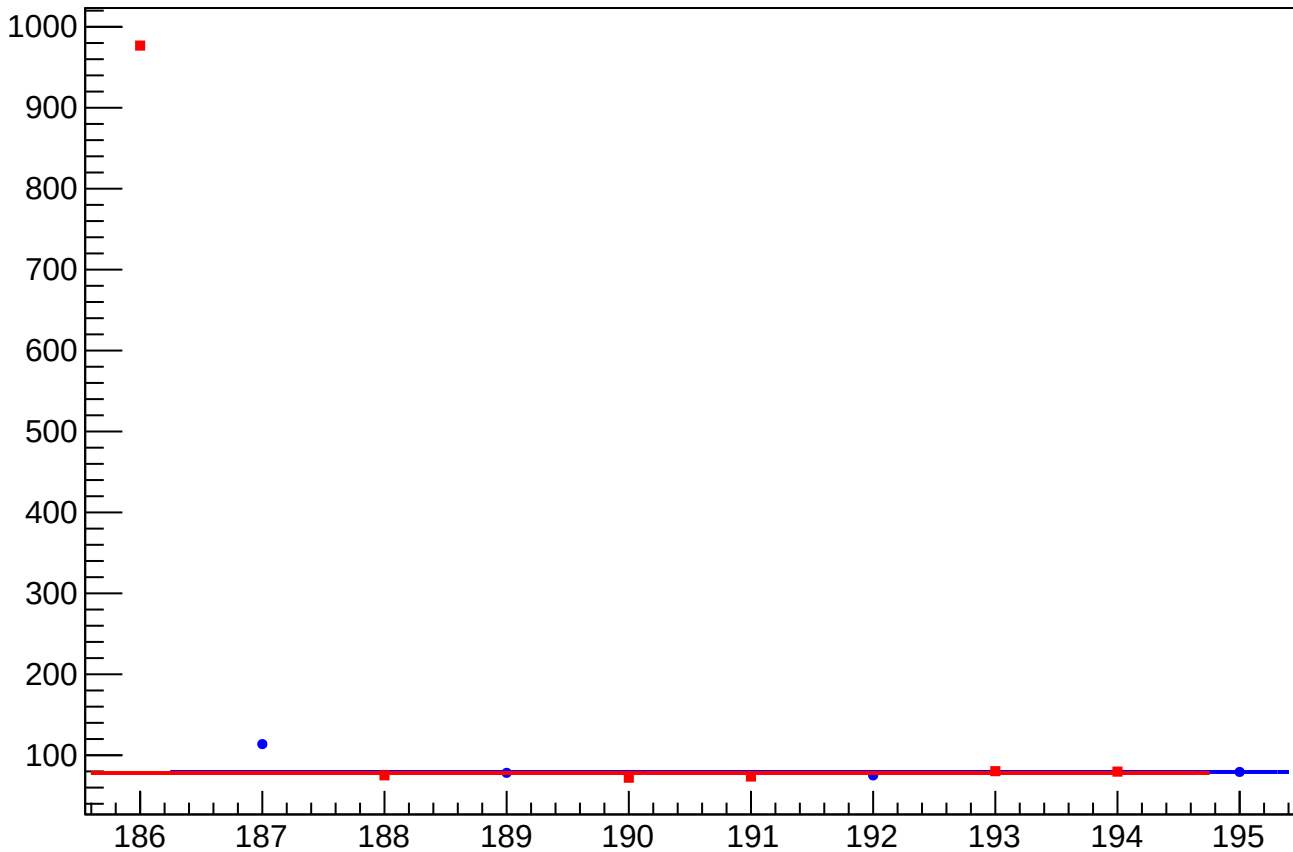
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -14.167 $\pm$ 36.798  $\chi^2$ /NDF: 12.1/9

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

# dit\_asym\_sam\_15\_avg\_rms vs Slug



Right In: 79.296 $\pm$ 0.041  $\chi^2$ /NDF: 30325.1/3

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

Right Out: 78.041 $\pm$ 0.034  $\chi^2$ /NDF: 644337.2/5

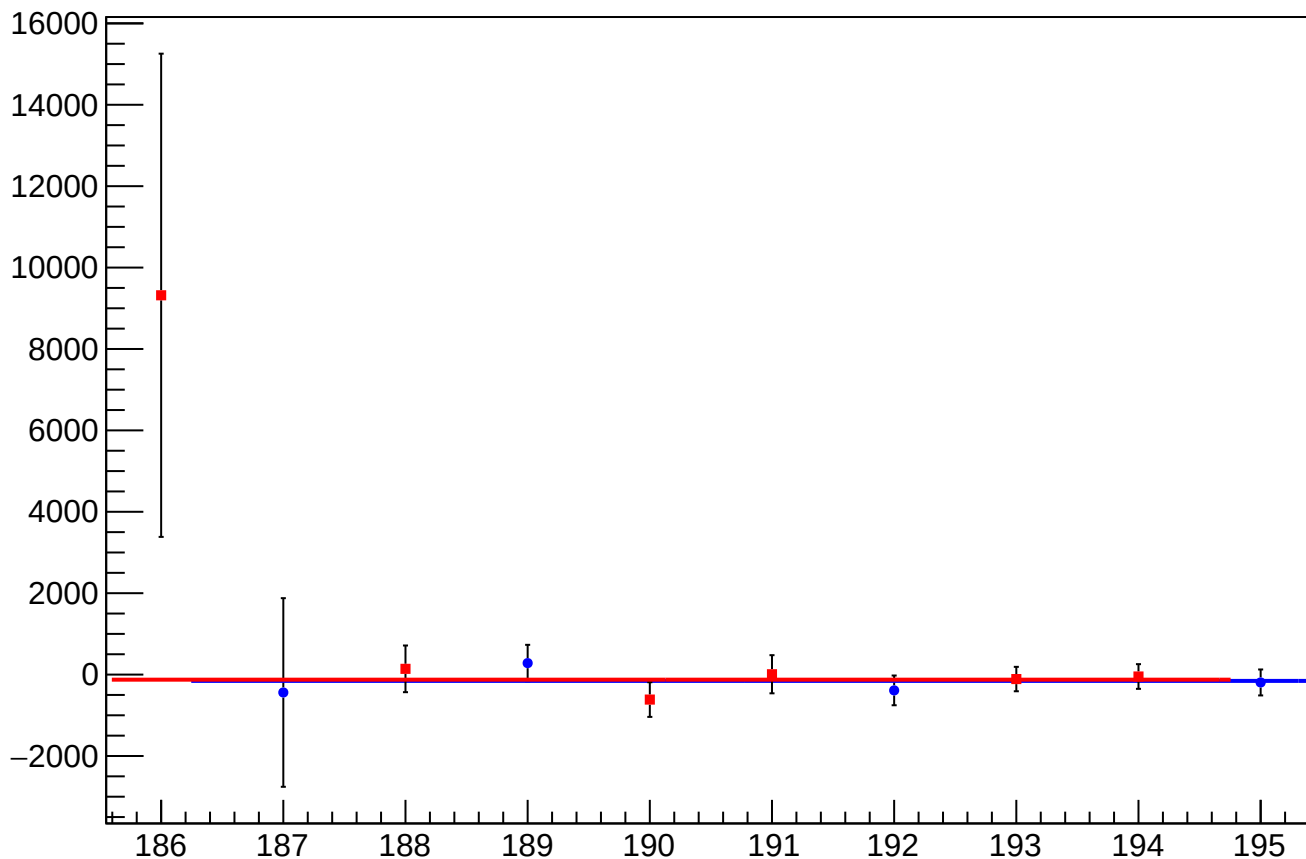
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 78.544 $\pm$ 0.026  $\chi^2$ /NDF: 675220.9/9

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

# asym\_sam\_15\_avg\_correction\_mean vs Slug



Right In: -154.935+/-210.903  $\chi^2$ /NDF: 1.4/3

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

Right Out: -124.712+/-168.729  $\chi^2$ /NDF: 4.2/5

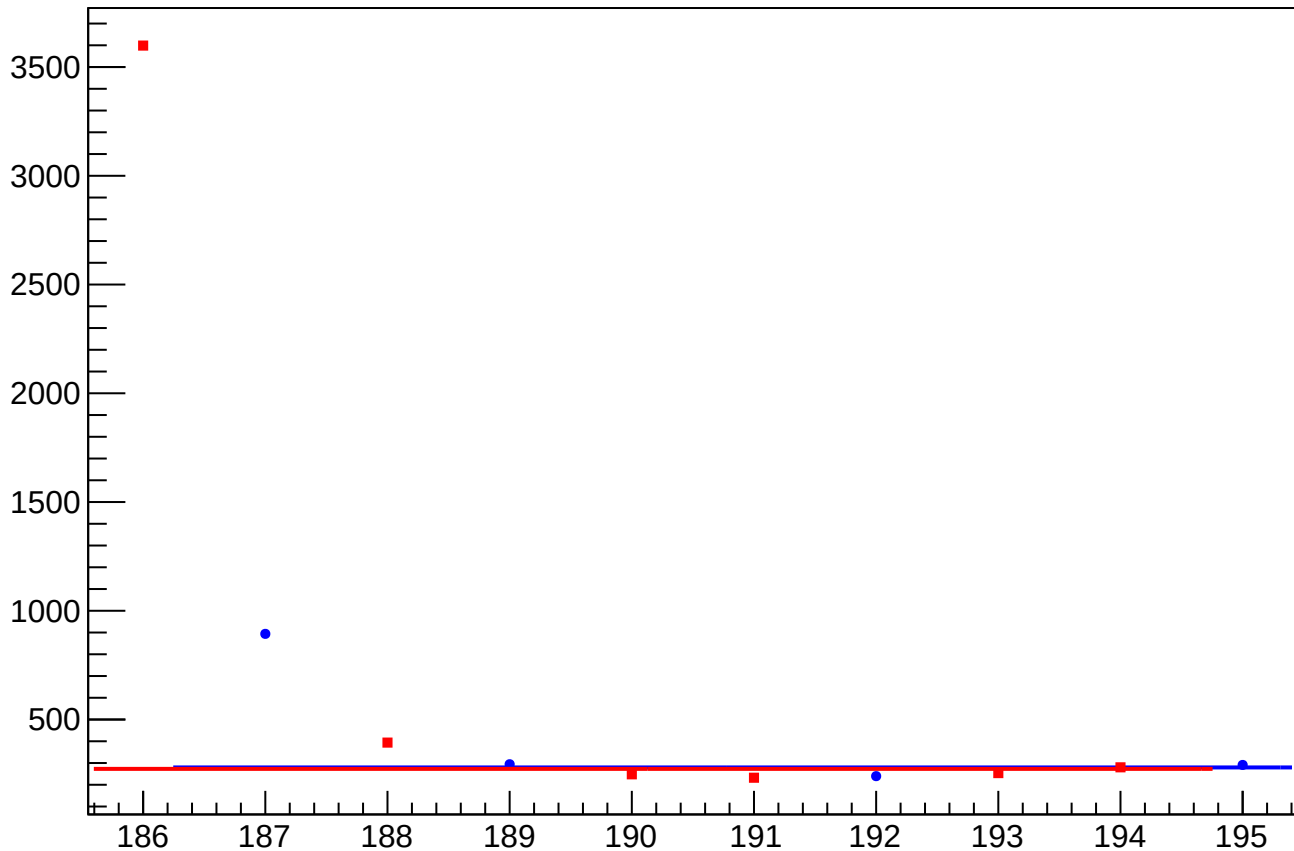
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

All: -136.507+/-131.753  $\chi^2$ /NDF: 5.6/9

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

# asym\_sam\_15\_avg\_correction\_rms vs Slug



Right In: 279.671+/-0.149  $\chi^2/\text{NDF}$ : 169178.6/3

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

Right Out: 273.062+/-0.119  $\chi^2/\text{NDF}$ : 747954.6/5

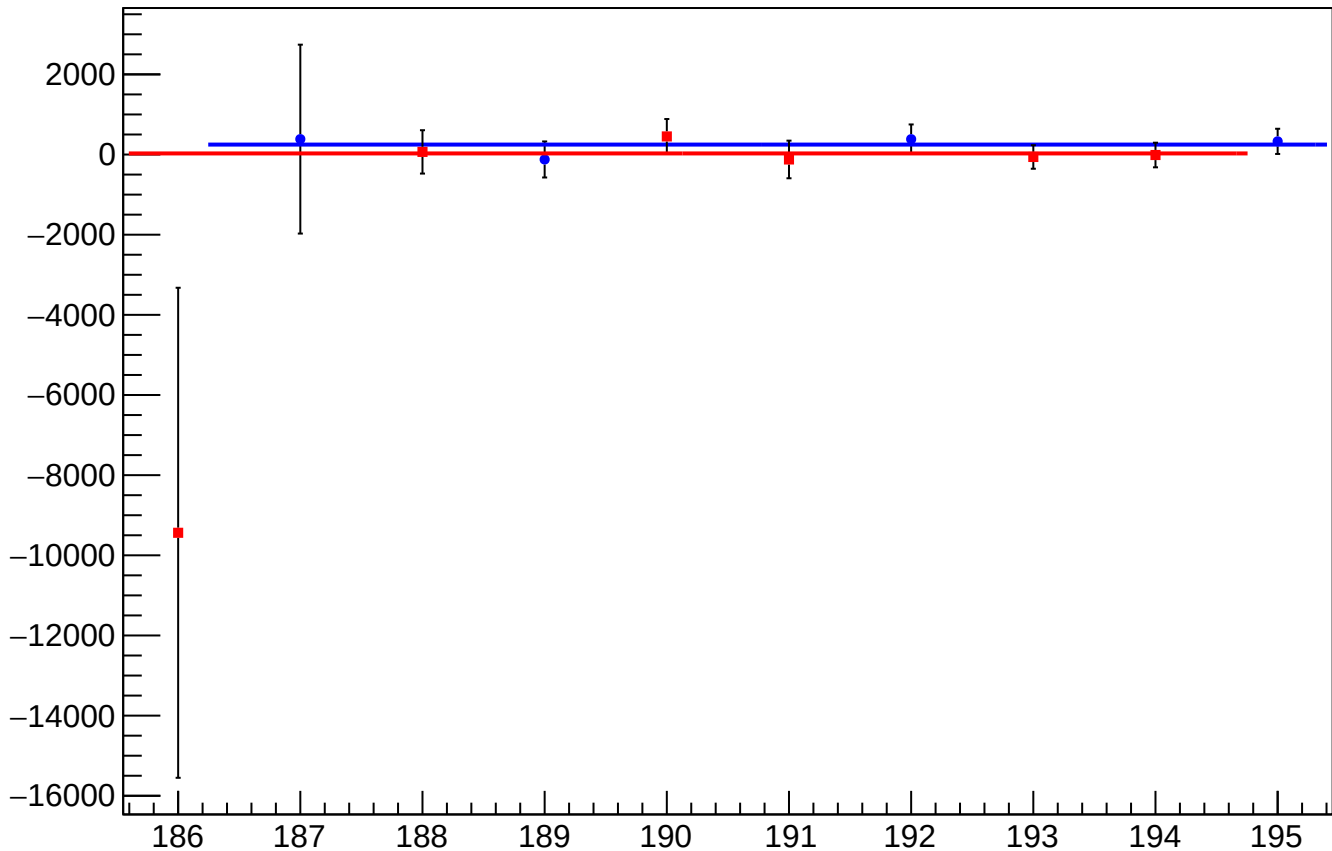
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 275.641+/-0.093  $\chi^2/\text{NDF}$ : 918330.4/9

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

# asym\_sam\_15\_avg\_mean vs Slug



Right In: 248.380 $\pm$ 210.104  $\chi^2$ /NDF: 0.9/3

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

Right Out: 27.638 $\pm$ 167.959  $\chi^2$ /NDF: 3.6/5

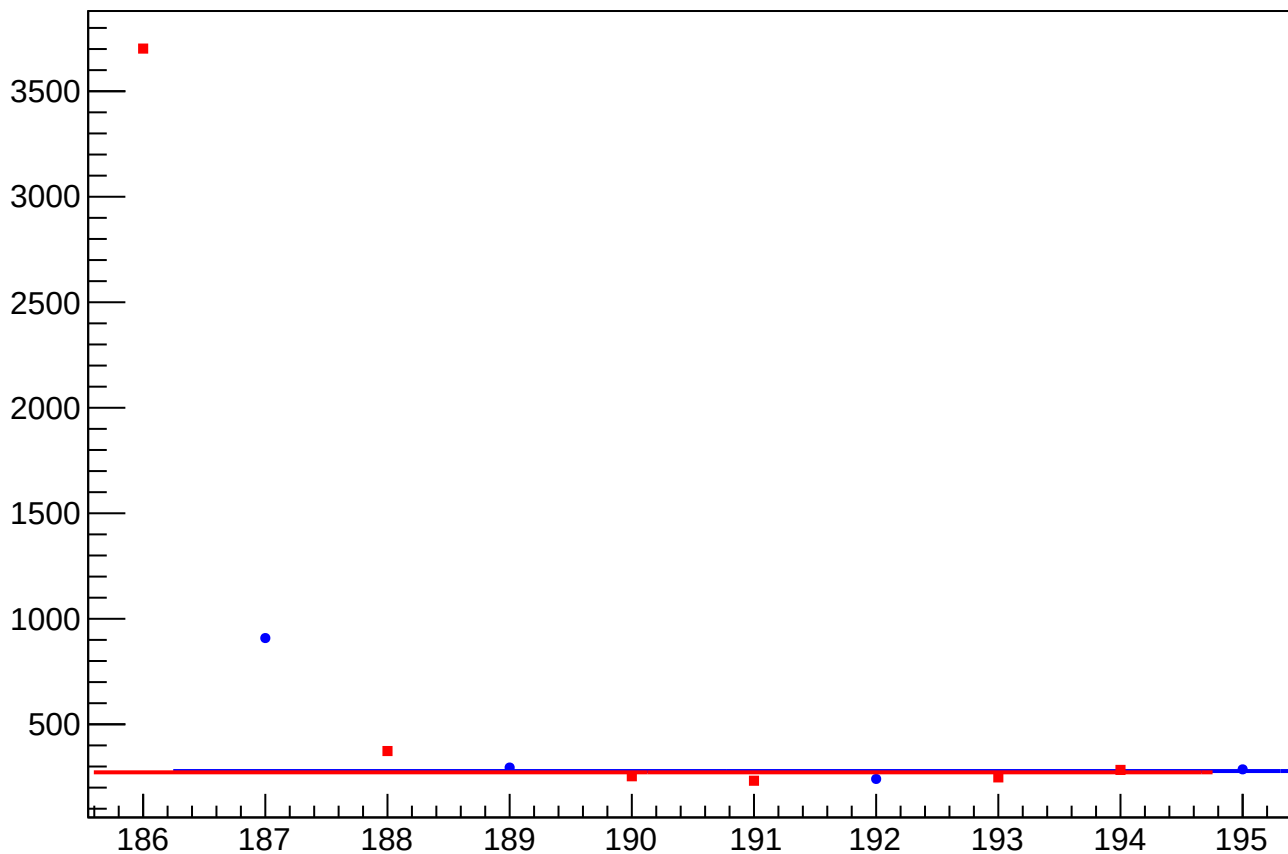
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 113.704 $\pm$ 131.192  $\chi^2$ /NDF: 5.1/9

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

# asym\_sam\_15\_avg\_rms vs Slug



Right In: 278.536 $\pm$ 0.149  $\chi^2$ /NDF: 167768.8/3

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

Right Out: 272.443 $\pm$ 0.119  $\chi^2$ /NDF: 733203.2/5

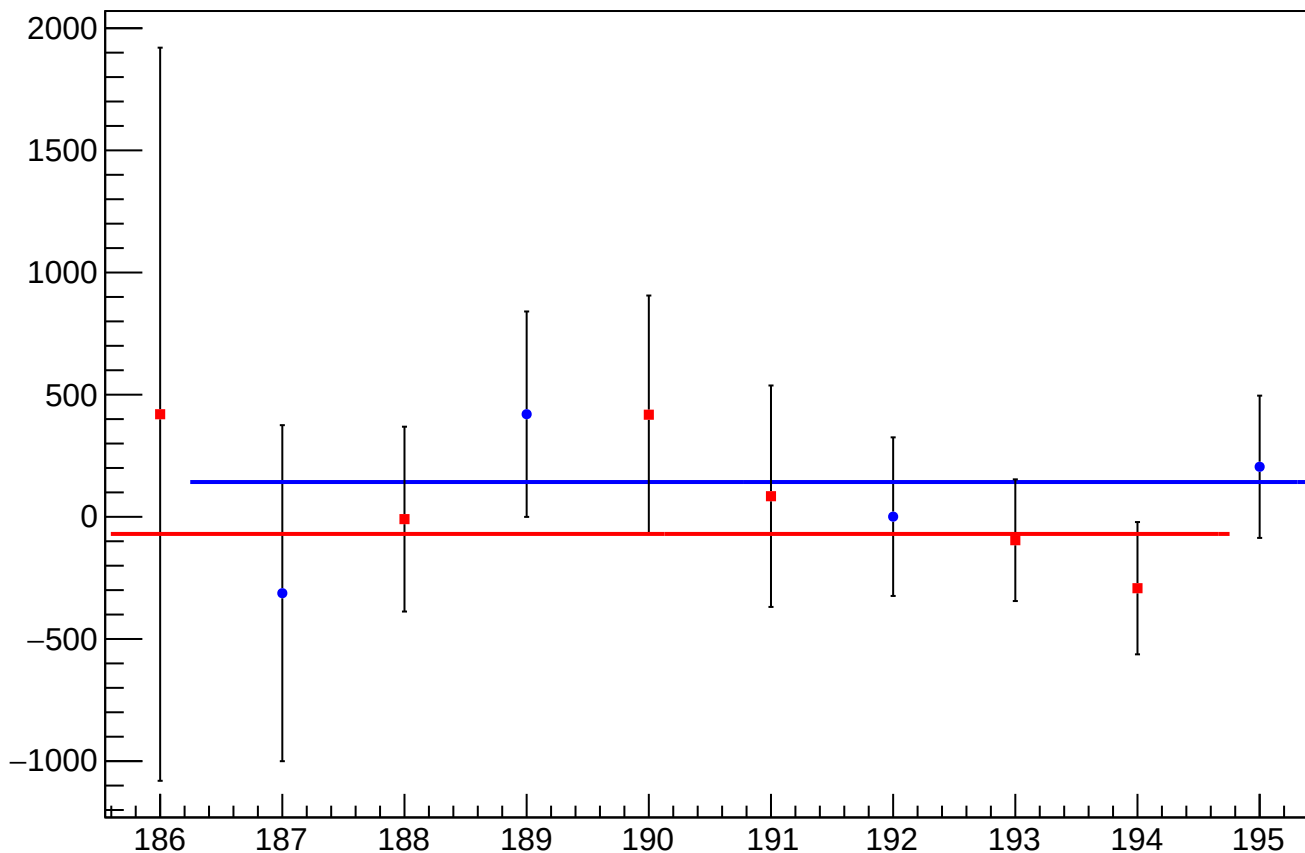
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 274.819 $\pm$ 0.093  $\chi^2$ /NDF: 901998.1/9

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

dit\_asym\_sam\_26\_avg\_mean vs Slug



Right In: 142.466 $\pm$ 185.511  $\chi^2$ /NDF: 1.1/3

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

Right Out: -69.992 $\pm$ 147.013  $\chi^2$ /NDF: 1.9/5

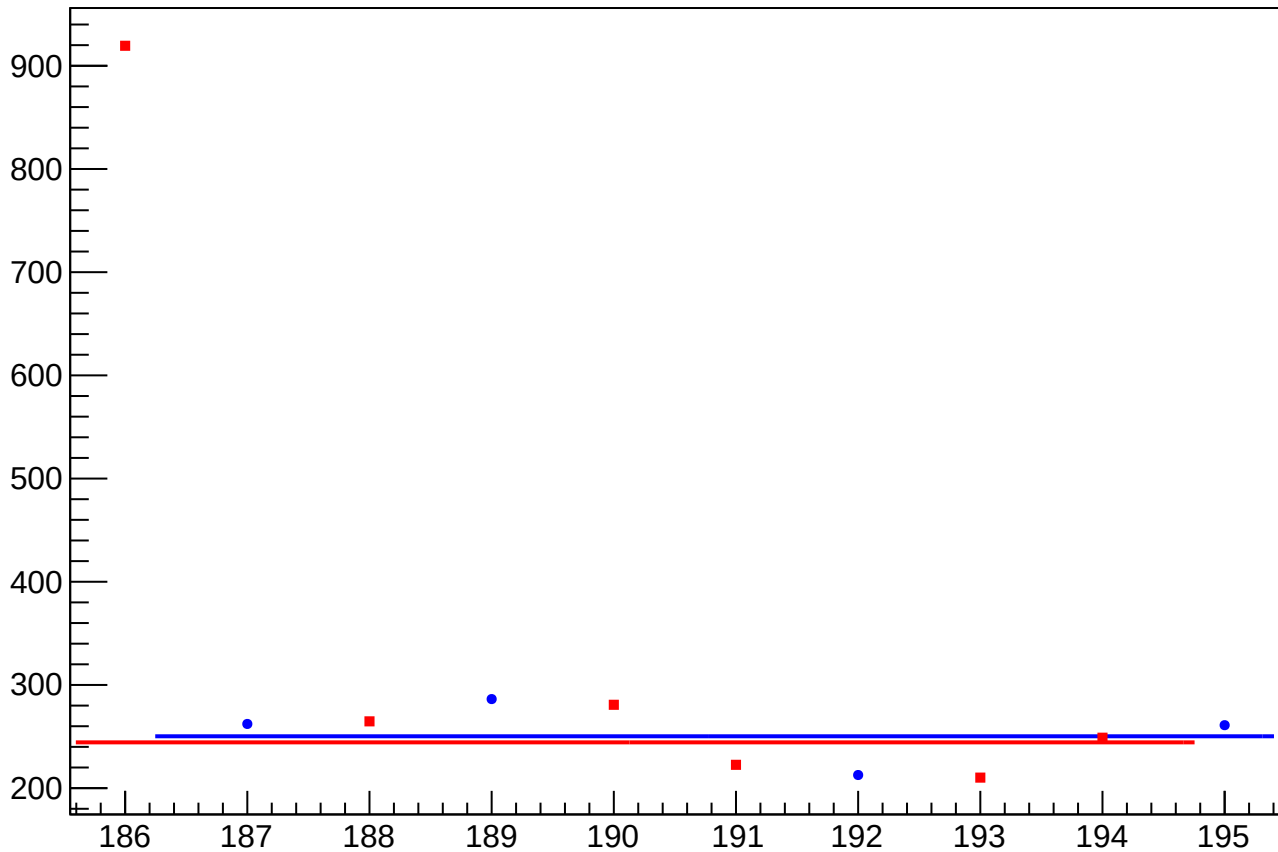
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 11.965 $\pm$ 115.220  $\chi^2$ /NDF: 3.8/9

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

# dit\_asym\_sam\_26\_avg\_rms vs Slug



Right In: 250.259 $\pm$ 0.131  $\chi^2$ /NDF: 44775.0/3

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

Right Out: 244.365 $\pm$ 0.104  $\chi^2$ /NDF: 464561.8/5

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

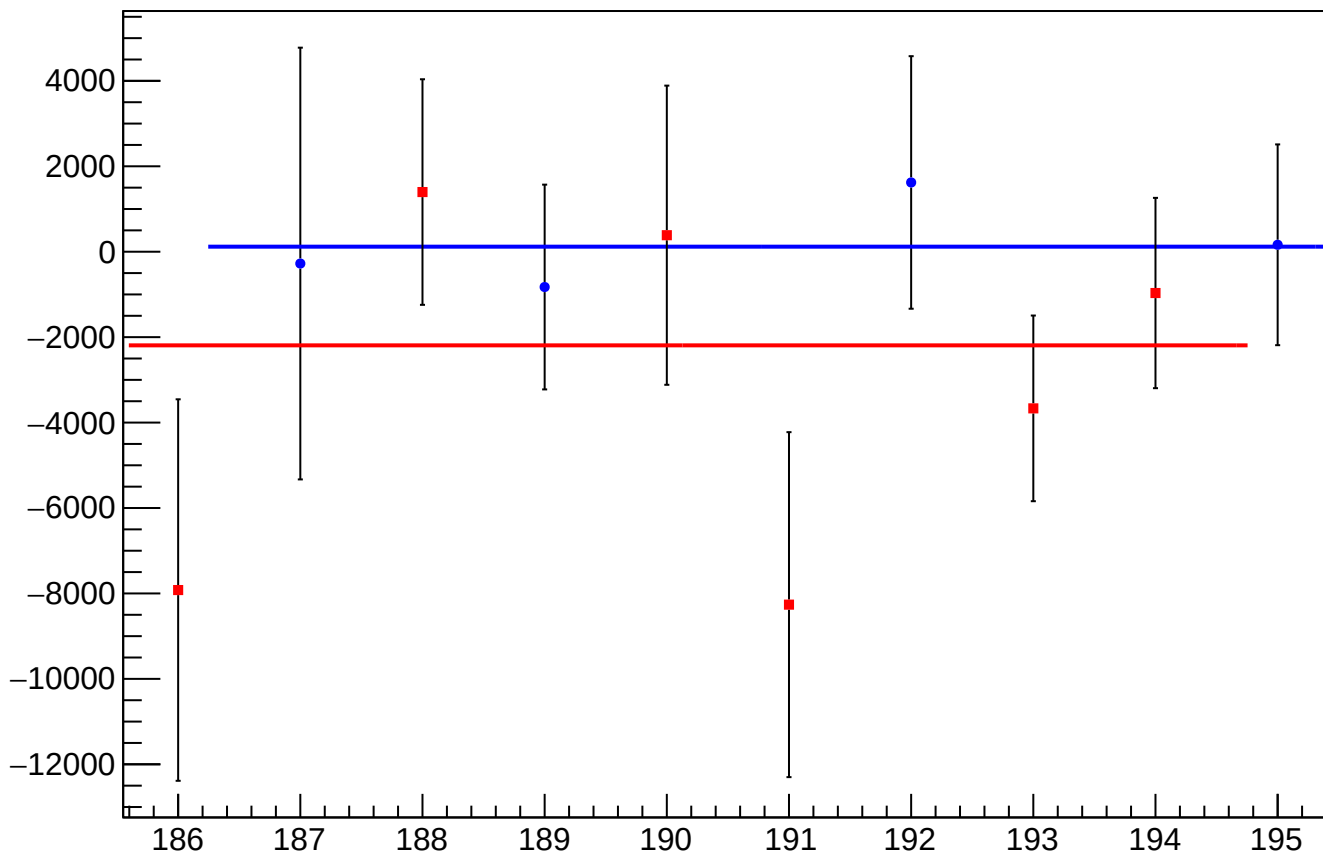
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 246.639 $\pm$ 0.081  $\chi^2$ /NDF: 510576.5/9

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



# asym\_sam\_26\_avg\_correction\_mean vs Slug



Right In: 118.390 $\pm$ 1402.106  $\chi^2$ /NDF: 0.4/3

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

Right Out: -2191.958 $\pm$ 1155.001  $\chi^2$ /NDF: 7.1/5

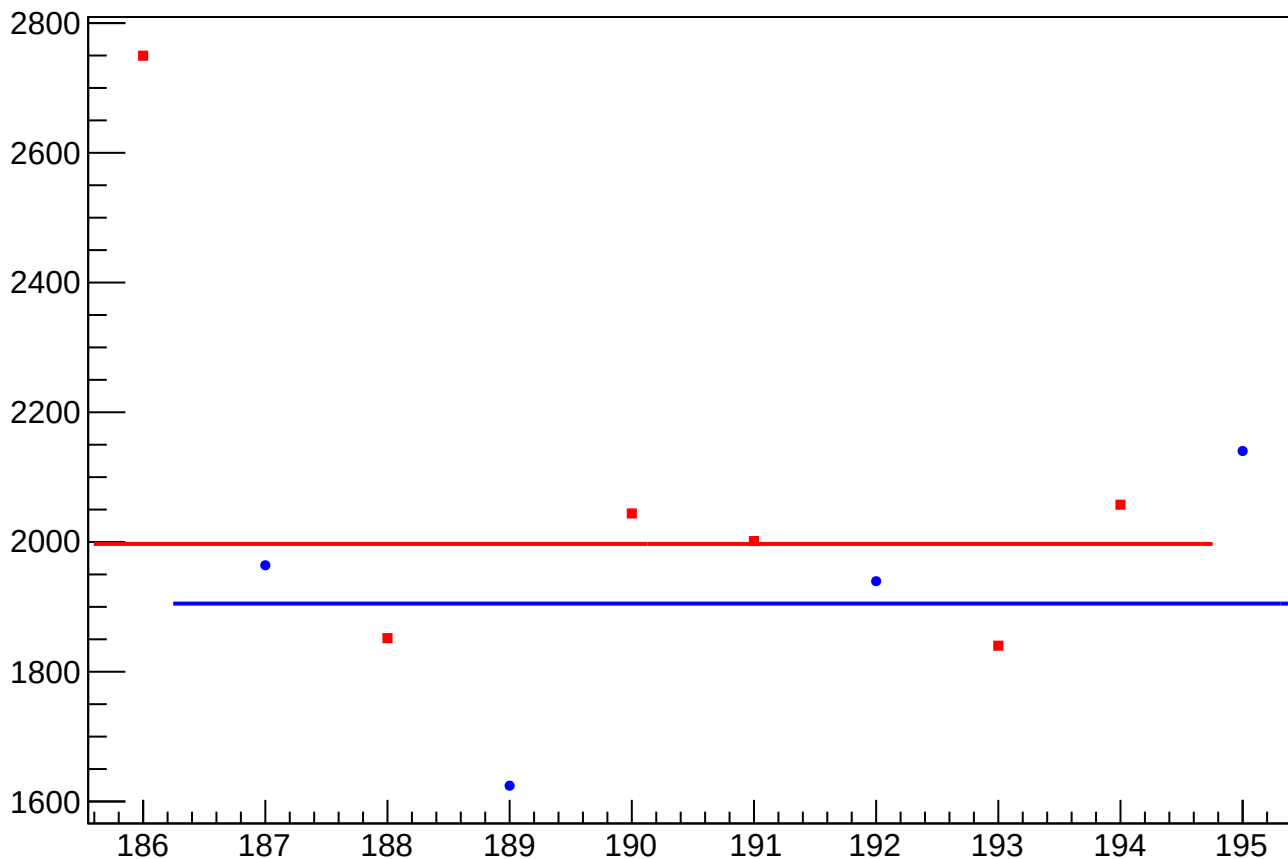
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -1257.978 $\pm$ 891.479  $\chi^2$ /NDF: 9.1/9

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

# asym\_sam\_26\_avg\_correction\_rms vs Slug



Right In: 1905.057 $\pm$ 0.991  $\chi^2$ /NDF: 48022.4/3

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

Right Out: 1997.036 $\pm$ 0.817  $\chi^2$ /NDF: 75118.4/5

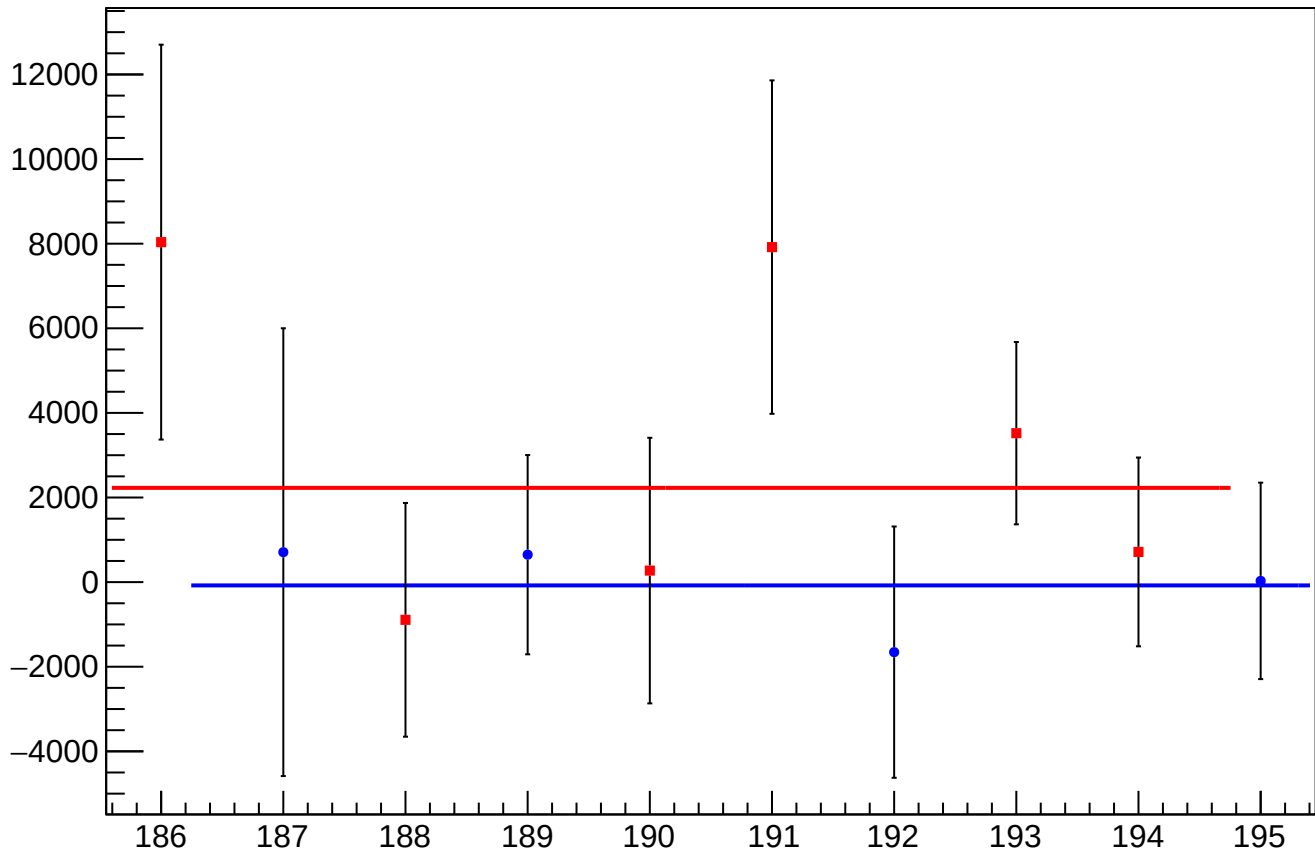
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1959.852 $\pm$ 0.630  $\chi^2$ /NDF: 128268.3/9

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

# asym\_sam\_26\_avg\_mean vs Slug



Right In: -77.786 $\pm$ 1393.689  $\chi^2$ /NDF: 0.4/3

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

Right Out: 2228.192 $\pm$ 1147.803  $\chi^2$ /NDF: 6.1/5

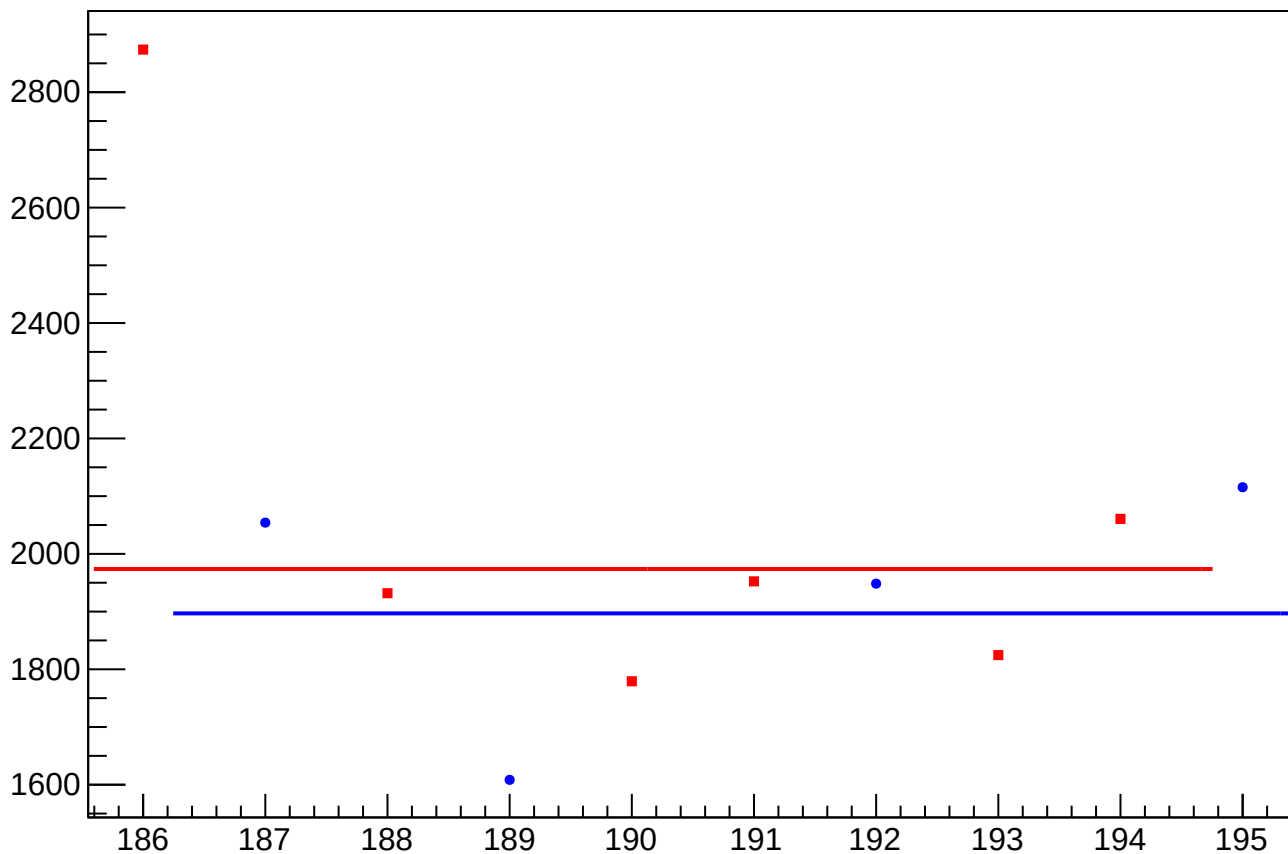
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1296.234 $\pm$ 886.005  $\chi^2$ /NDF: 8.2/9

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

# asym\_sam\_26\_avg\_rms vs Slug



Right In: 1896.888 $\pm$ 0.985  $\chi^2$ /NDF: 50089.7/3

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

Right Out: 1973.802 $\pm$ 0.812  $\chi^2$ /NDF: 95191.2/5

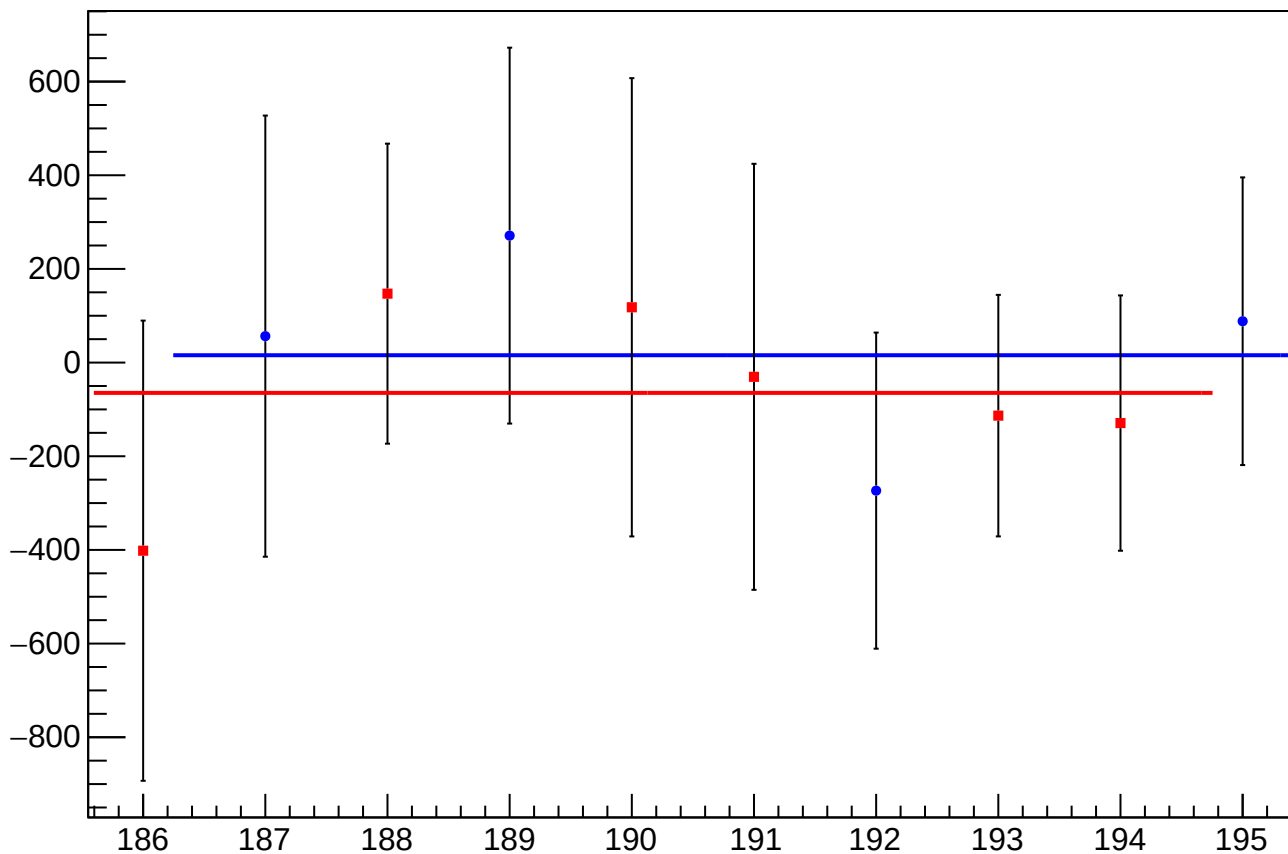
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1942.717 $\pm$ 0.627  $\chi^2$ /NDF: 148910.5/9

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

# dit\_asym\_sam\_37\_avg\_mean vs Slug



Right In: 15.718 $\pm$ 182.276  $\chi^2$ /NDF: 1.2/3

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

Right Out: -64.698 $\pm$ 139.488  $\chi^2$ /NDF: 1.1/5

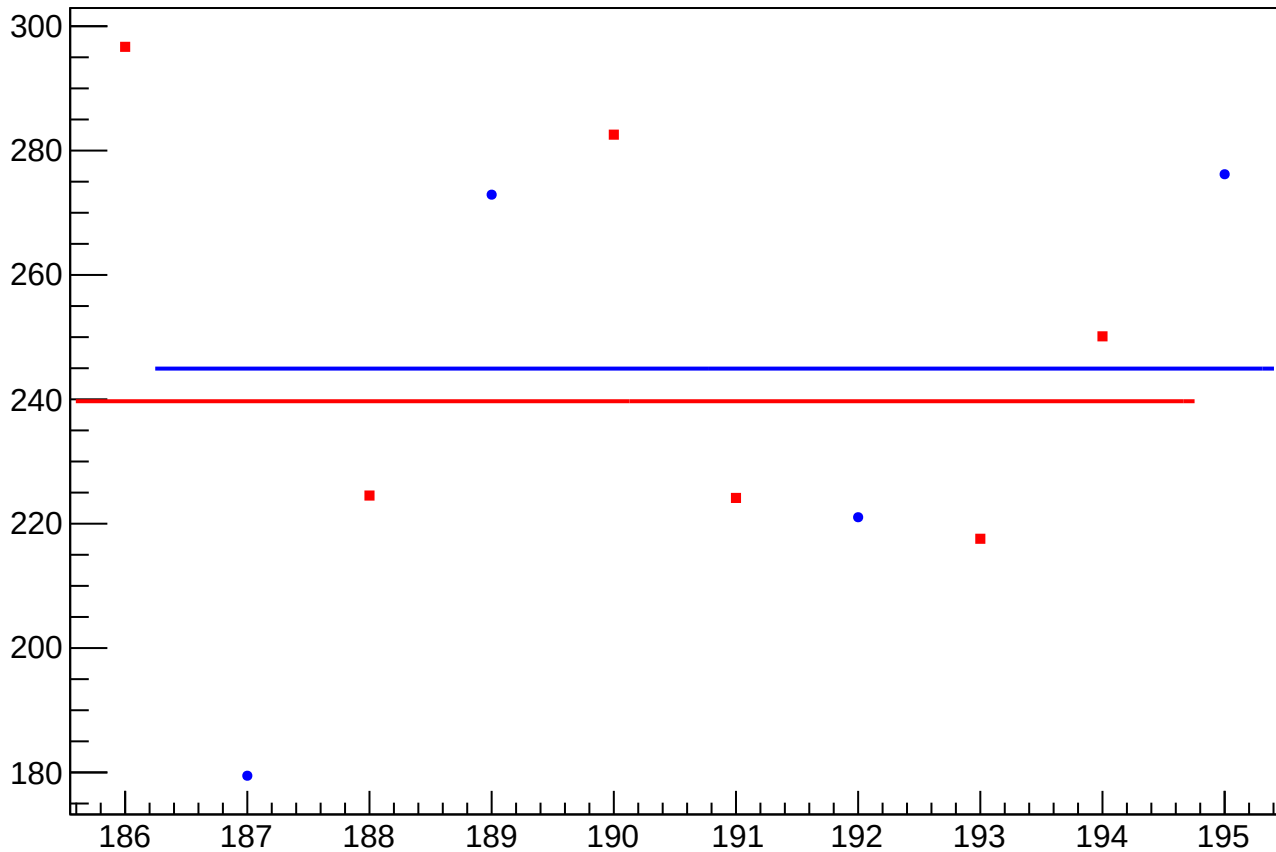
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -34.998 $\pm$ 110.774  $\chi^2$ /NDF: 2.5/9

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

dit\_asym\_sam\_37\_avg\_rms vs Slug



Right In: 244.941 $\pm$ 0.129  $\chi^2$ /NDF: 79102.5/3

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

Right Out: 239.693 $\pm$ 0.099  $\chi^2$ /NDF: 66726.9/5

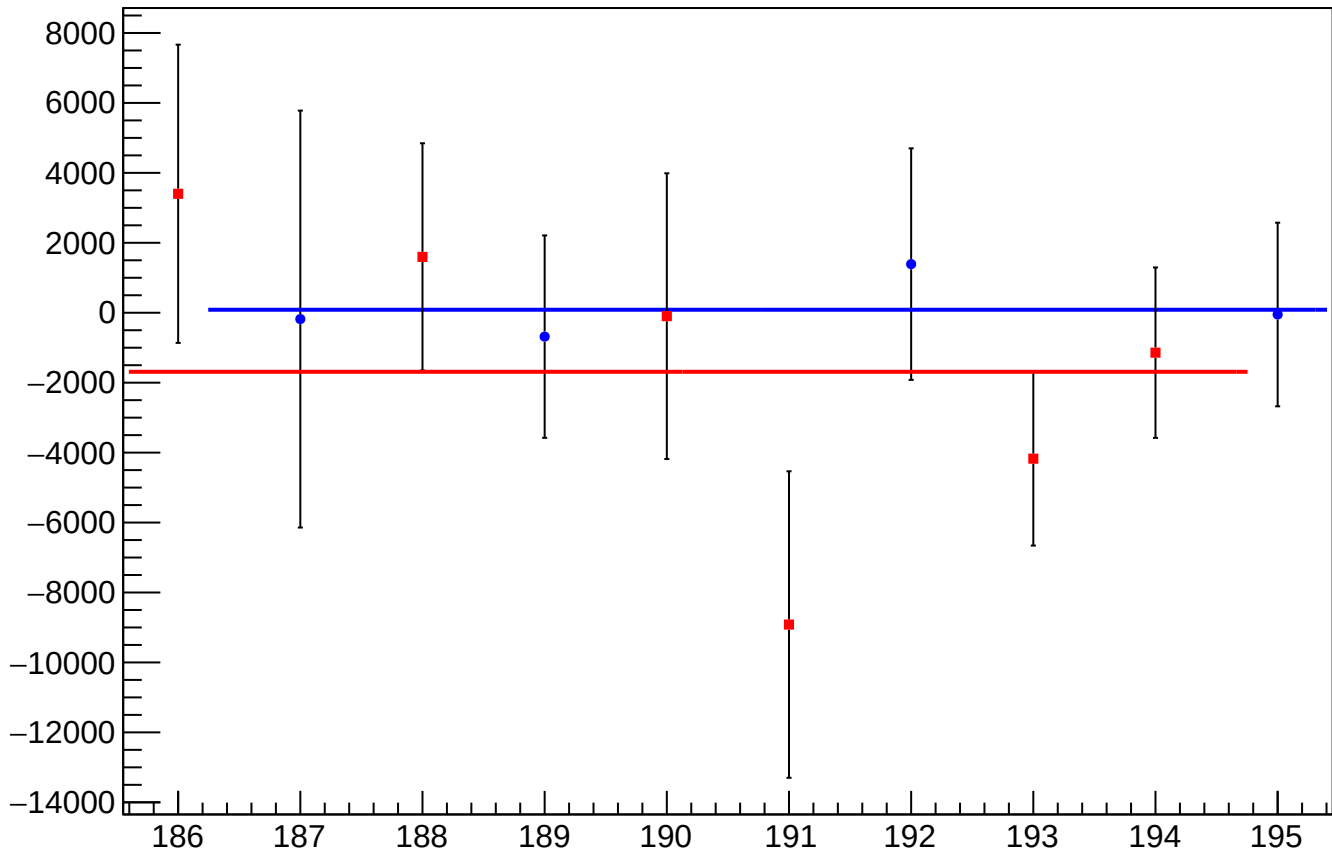
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 241.632 $\pm$ 0.078  $\chi^2$ /NDF: 146875.1/9

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

# asym\_sam\_37\_avg\_correction\_mean vs Slug



Right In: 85.833+/-1614.082  $\chi^2/\text{NDF}$ : 0.2/3

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

Right Out: -1688.260+/-1299.730  $\chi^2/\text{NDF}$ : 6.4/5

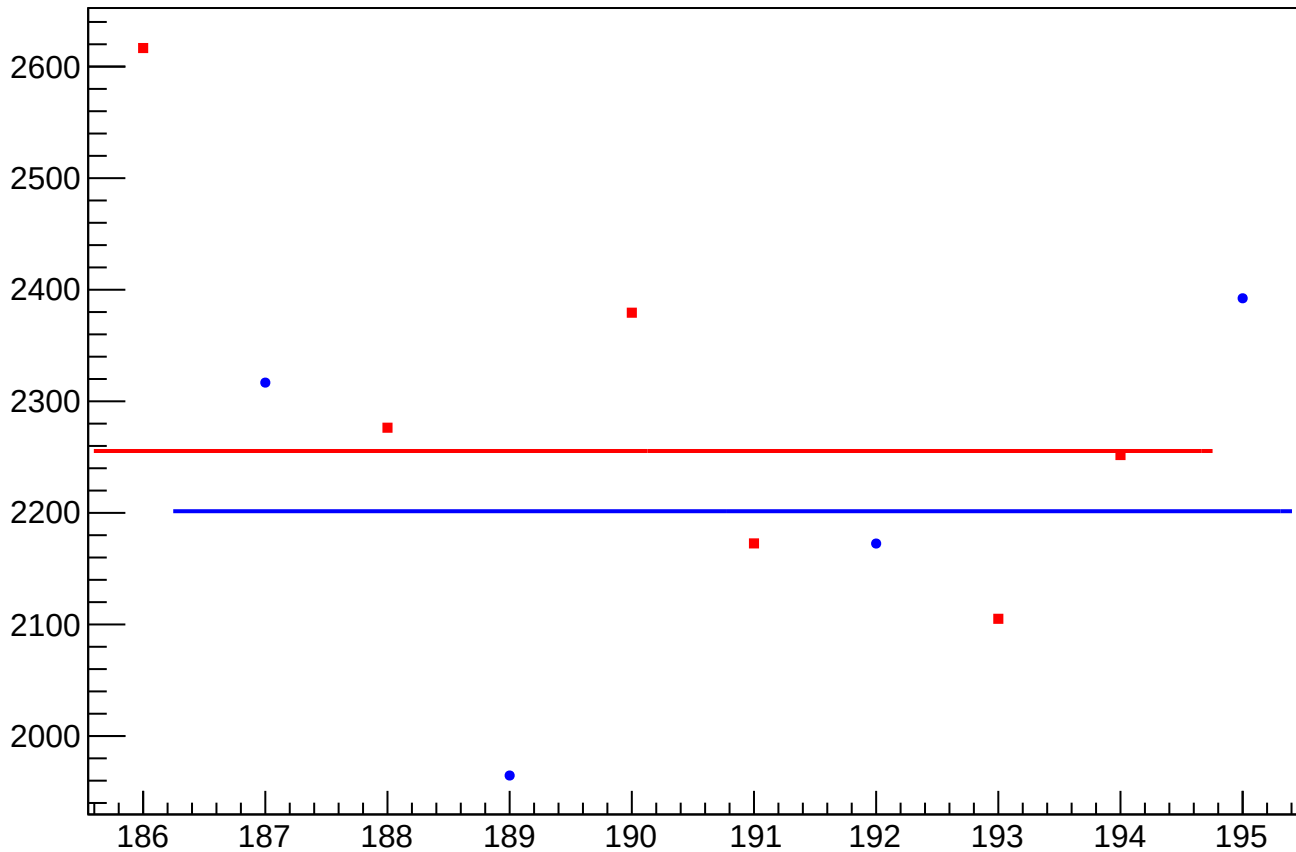
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -990.407+/-1012.324  $\chi^2/\text{NDF}$ : 7.3/9

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

# asym\_sam\_37\_avg\_correction\_rms vs Slug



Right In: 2201.495+/-1.141  $\chi^2/\text{NDF}$ : 24868.4/3

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

Right Out: 2255.472+/-0.919  $\chi^2/\text{NDF}$ : 24311.7/5

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

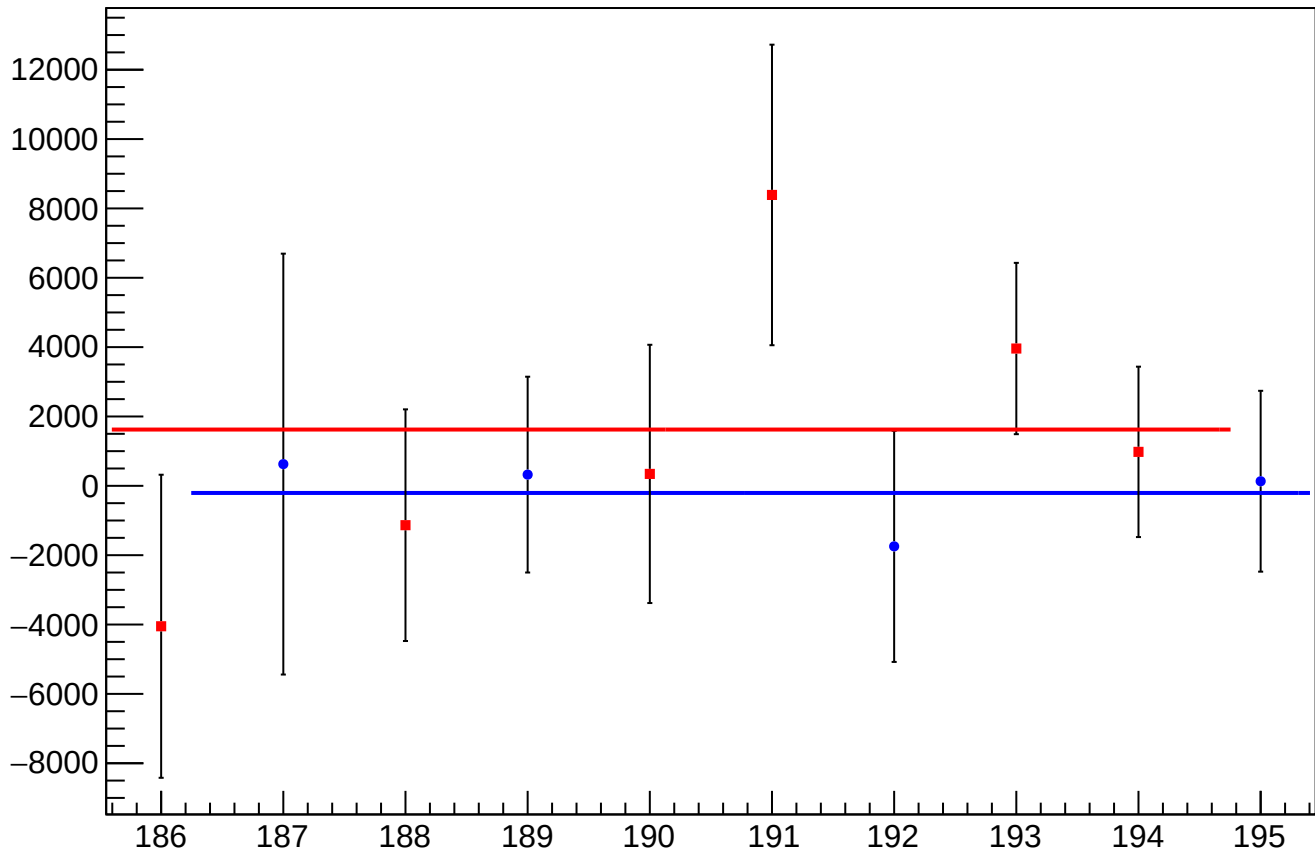
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2234.240+/-0.716  $\chi^2/\text{NDF}$ : 50536.9/9

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



# asym\_sam\_37\_avg\_mean vs Slug



Right In: -205.332+/-1601.963  $\chi^2/\text{NDF}$ : 0.3/3

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

Right Out: 1623.141+/-1294.383  $\chi^2/\text{NDF}$ : 5.9/5

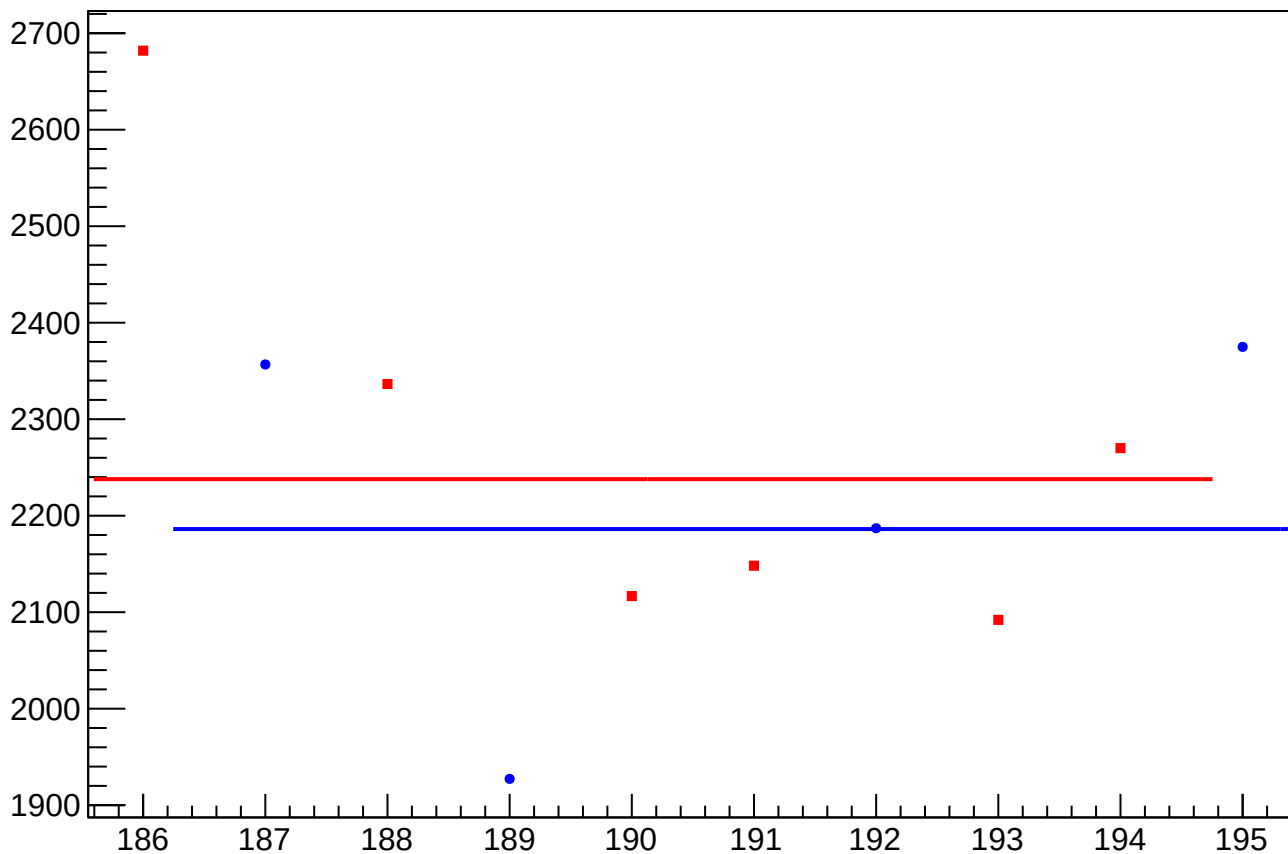
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 900.915+/-1006.803  $\chi^2/\text{NDF}$ : 7.0/9

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

# asym\_sam\_37\_avg\_rms vs Slug



Right In: 2186.149+/-1.133  $\chi^2/\text{NDF}$ : 28880.6/3

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

Right Out: 2237.886+/-0.915  $\chi^2/\text{NDF}$ : 32681.0/5

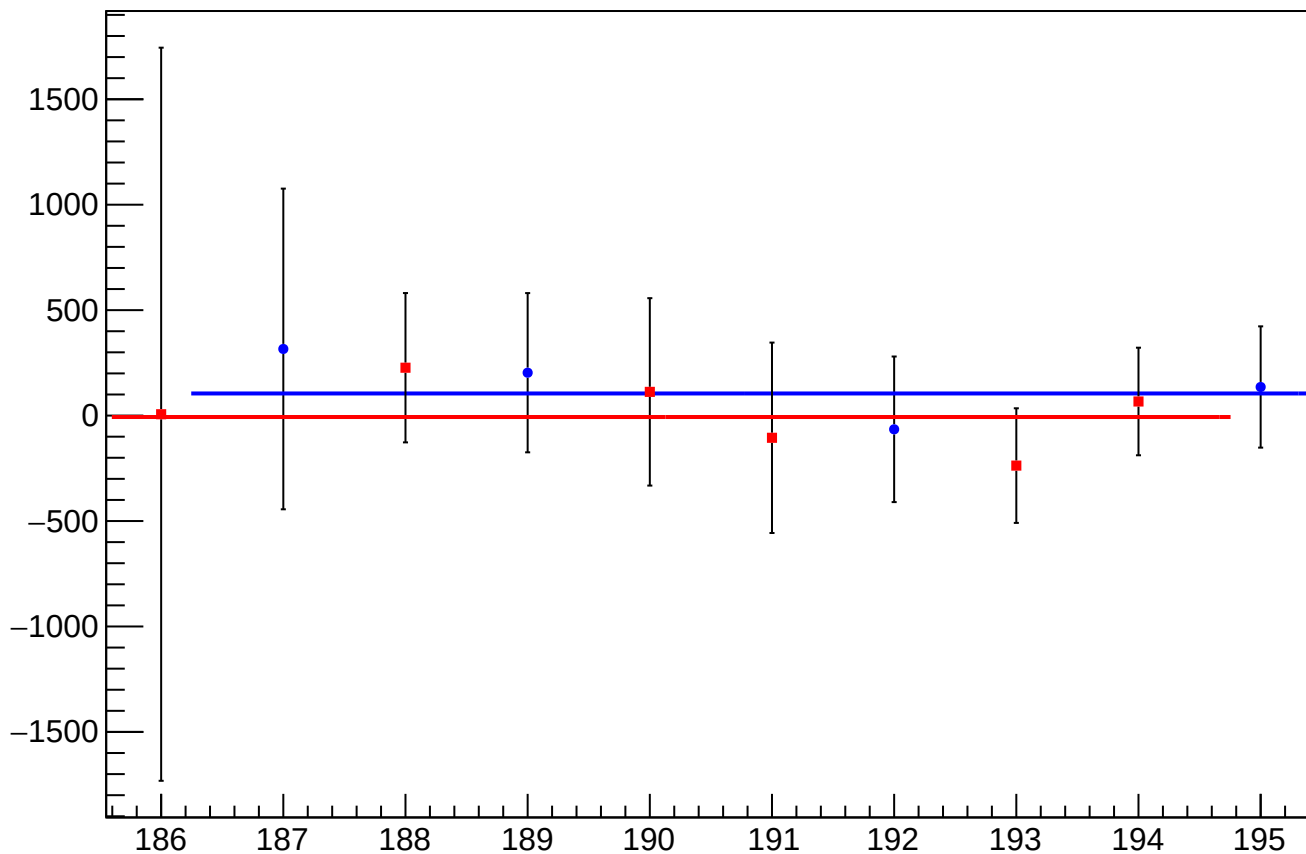
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2217.450+/-0.712  $\chi^2/\text{NDF}$ : 62823.7/9

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

# dit\_asym\_sam\_48\_avg\_mean vs Slug



Right In: 104.908 $\pm$ 184.953  $\chi^2$ /NDF: 0.4/3

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

Right Out: -6.737 $\pm$ 145.575  $\chi^2$ /NDF: 1.4/5

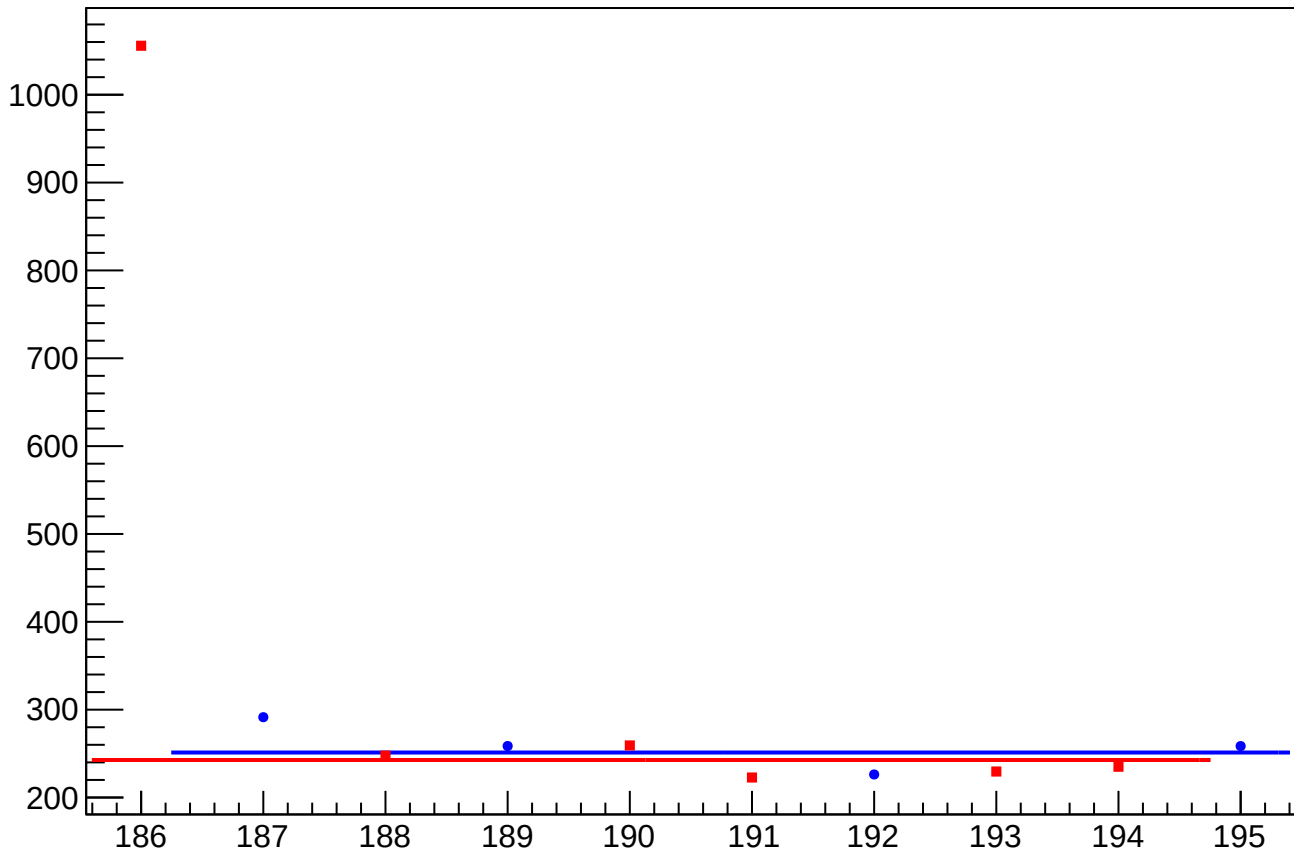
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 35.970 $\pm$ 114.391  $\chi^2$ /NDF: 2.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_48\_avg\_rms vs Slug



Right In: 251.231 $\pm$ 0.131  $\chi^2$ /NDF: 18129.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 242.704 $\pm$ 0.103  $\chi^2$ /NDF: 451142.8/5

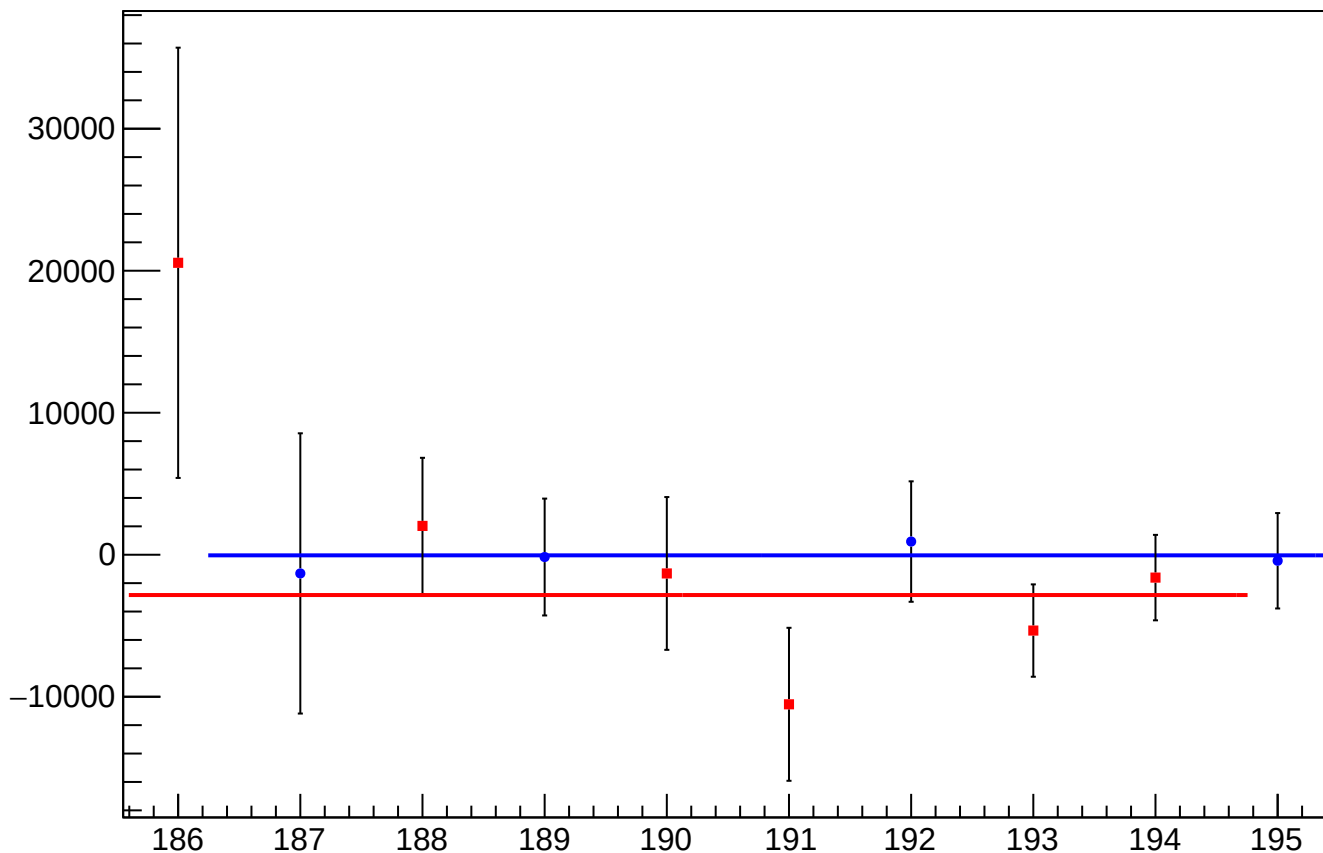
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 245.966 $\pm$ 0.081  $\chi^2$ /NDF: 471897.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_avg\_correction\_mean vs Slug



Right In:  $-42.449 \pm 2164.031$   $\chi^2/\text{NDF}$ : 0.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2837.735 \pm 1762.710$   $\chi^2/\text{NDF}$ : 6.3/5

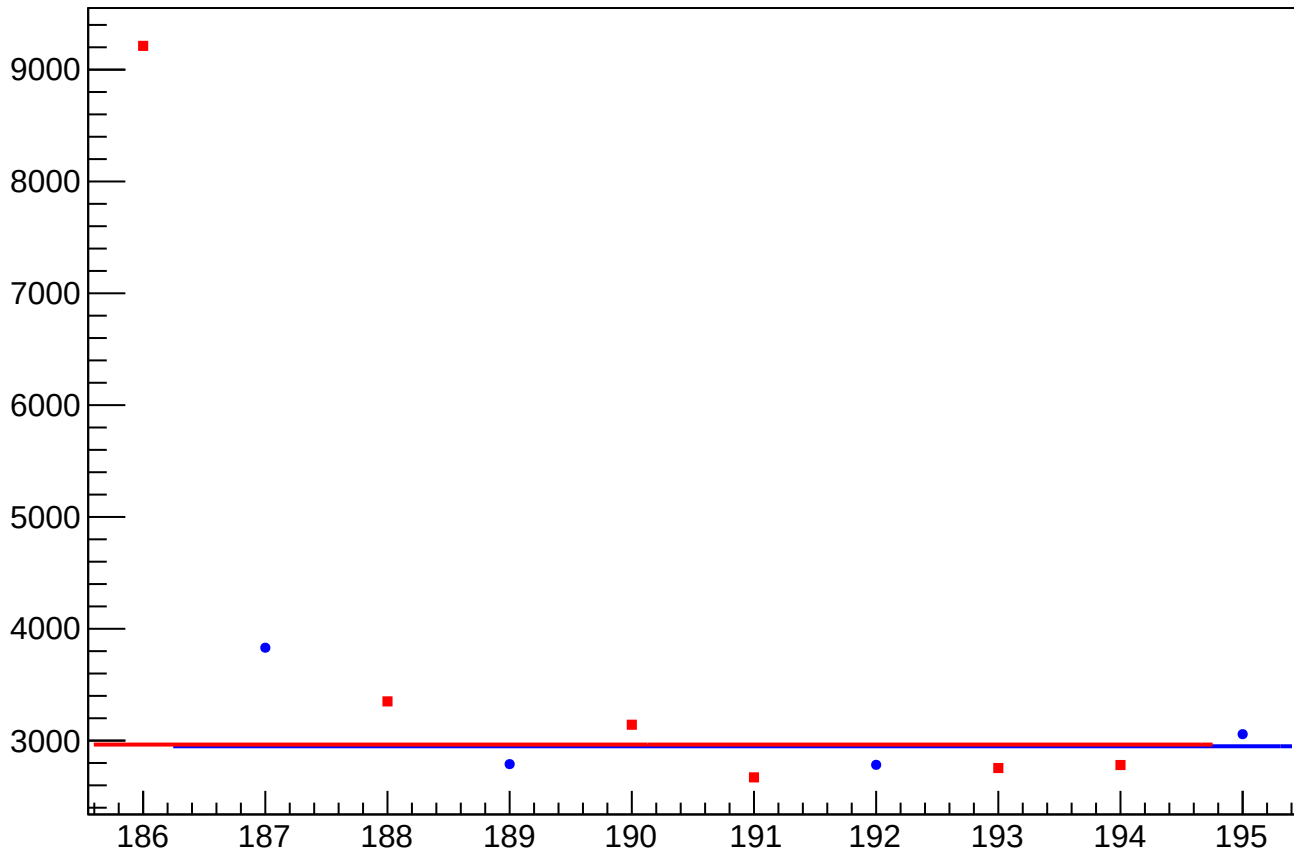
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1722.823 \pm 1366.692$   $\chi^2/\text{NDF}$ : 7.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_avg\_correction\_rms vs Slug



Right In: 2949.399+/-1.530  $\chi^2/\text{NDF}$ : 24110.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2964.660+/-1.246  $\chi^2/\text{NDF}$ : 376968.7/5

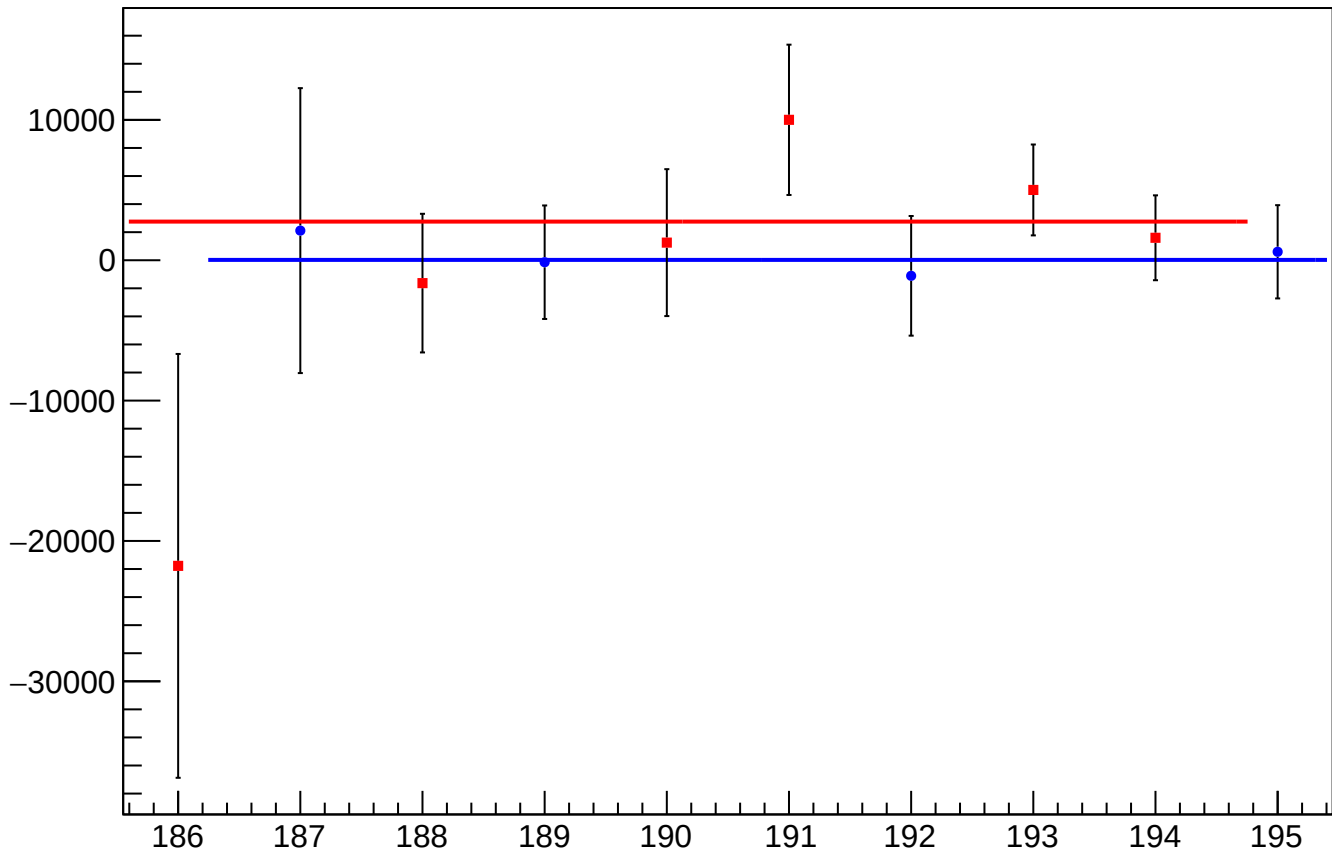
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2958.573+/-0.966  $\chi^2/\text{NDF}$ : 401138.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_avg\_mean vs Slug



Right In: 24.733+/-2149.325  $\chi^2/\text{NDF}$ : 0.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2753.745+/-1763.630  $\chi^2/\text{NDF}$ : 6.0/5

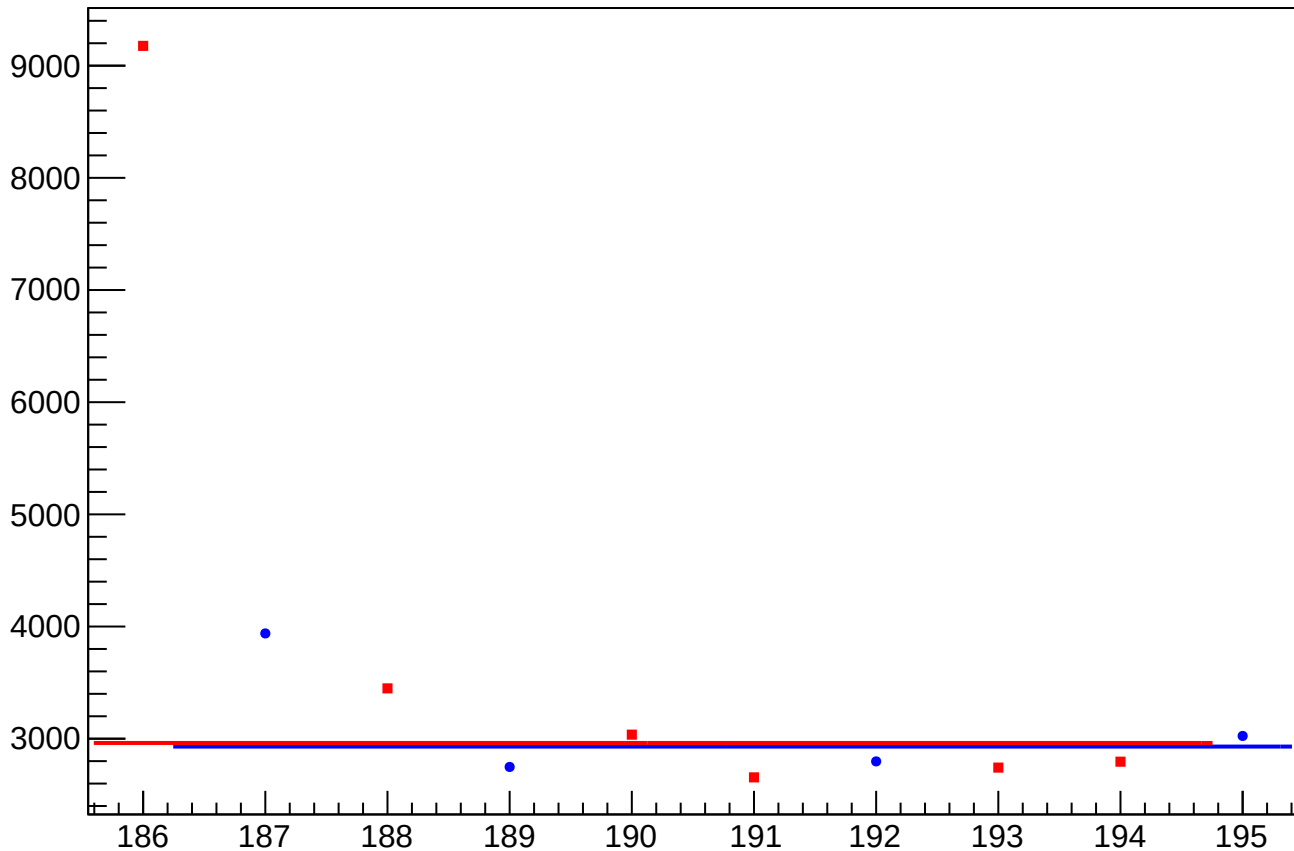
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1655.646+/-1363.390  $\chi^2/\text{NDF}$ : 7.1/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_48\_avg\_rms vs Slug



Right In: 2929.838+/-1.520  $\chi^2/\text{NDF}$ : 27330.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2962.061+/-1.247  $\chi^2/\text{NDF}$ : 380436.7/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

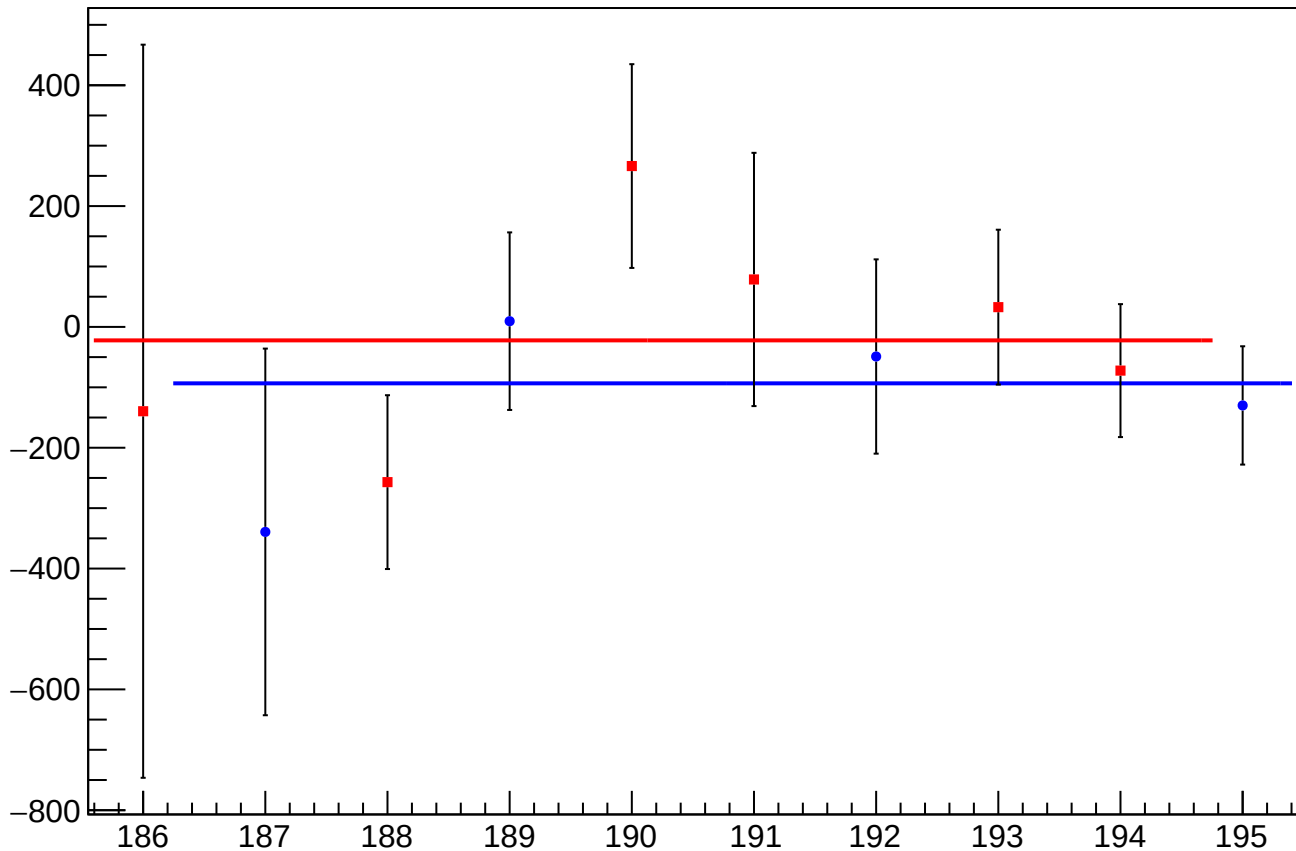
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2949.095+/-0.964  $\chi^2/\text{NDF}$ : 408035.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_15\_dd\_mean vs Slug



Right In: -93.414 $\pm$ 70.690  $\chi^2$ /NDF: 1.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -22.293 $\pm$ 62.942  $\chi^2$ /NDF: 6.2/5

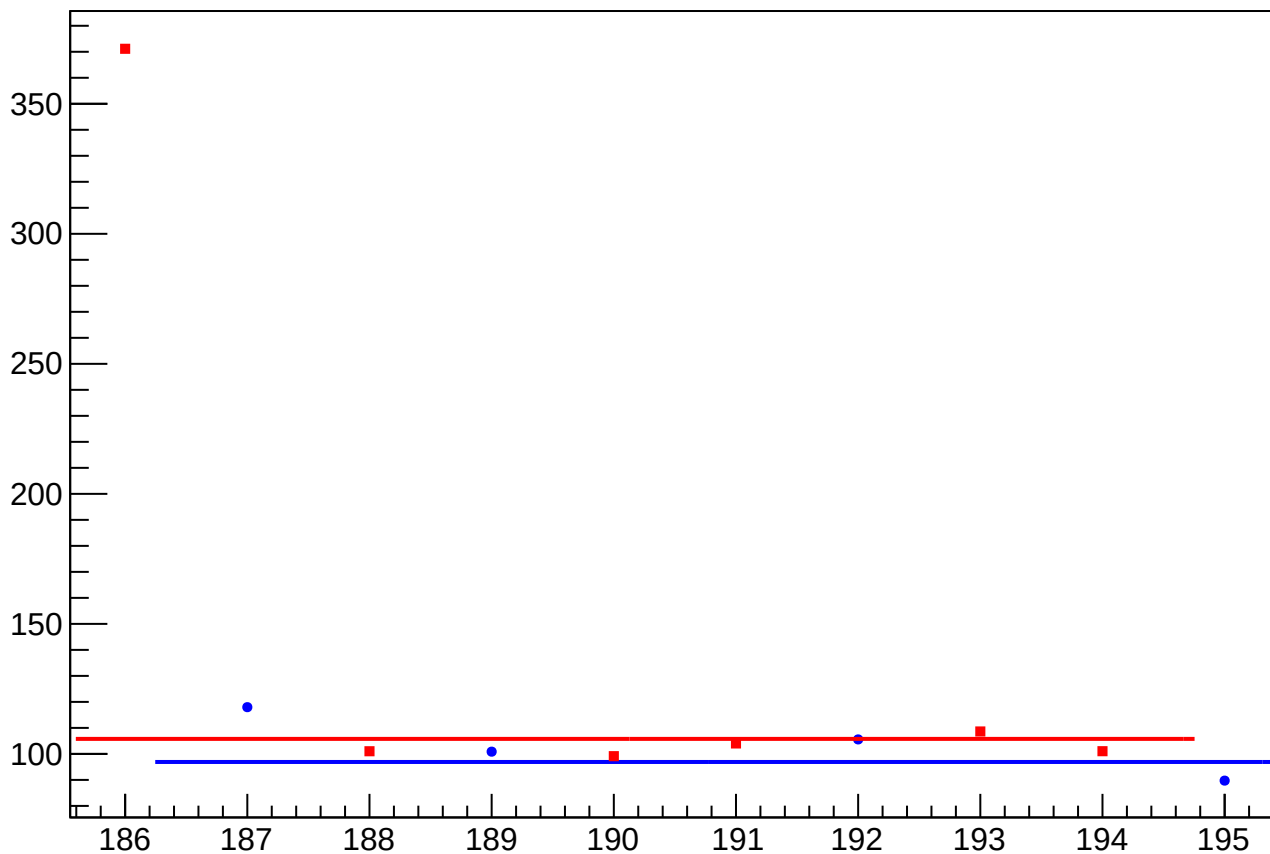
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -53.744 $\pm$ 47.008  $\chi^2$ /NDF: 8.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_dd\_rms vs Slug



Right In: 96.898 $\pm$ 0.050  $\chi^2$ /NDF: 27646.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 105.774 $\pm$ 0.045  $\chi^2$ /NDF: 392705.2/5

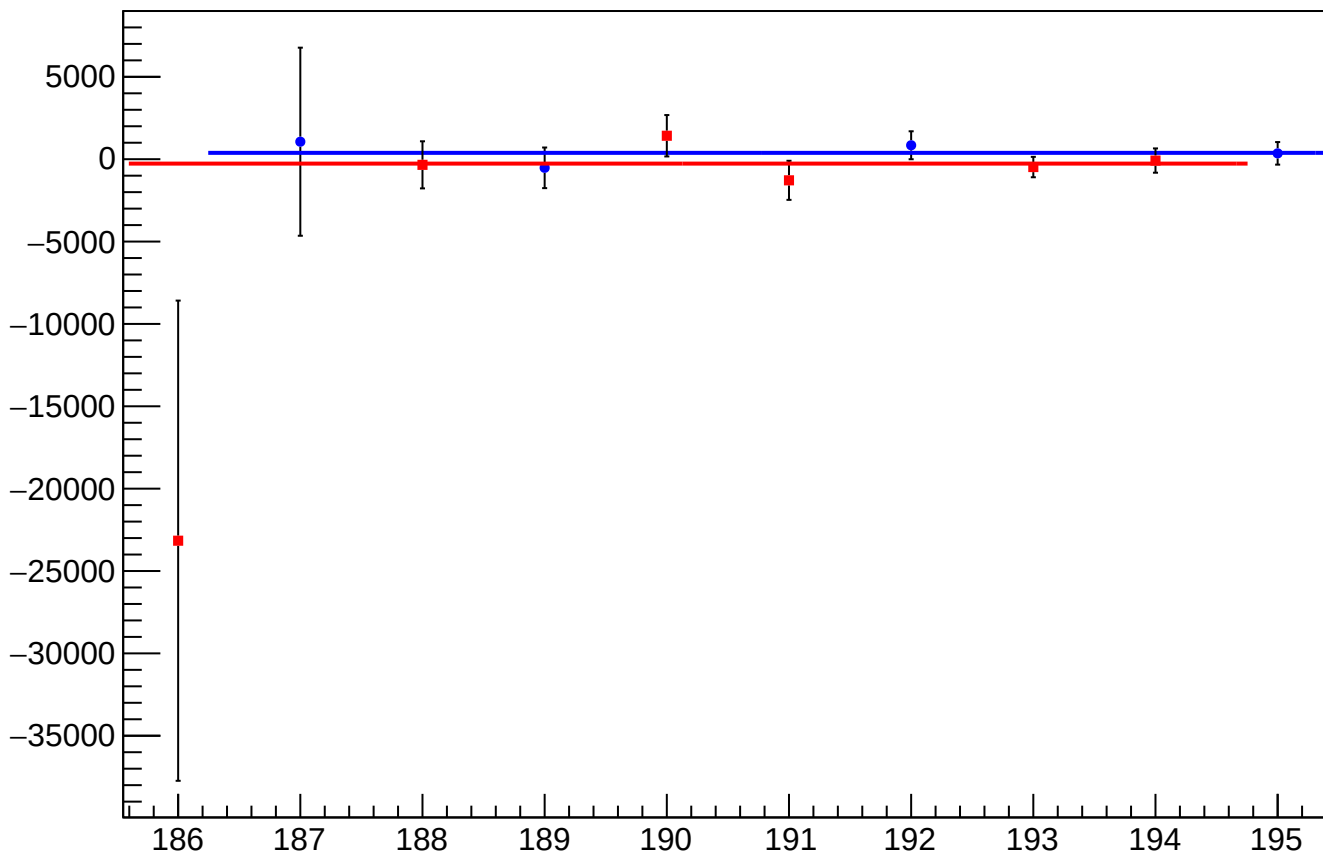
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 101.849 $\pm$ 0.033  $\chi^2$ /NDF: 437936.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_dd\_correction\_mean vs Slug



Right In: 385.329 $\pm$ 487.520  $\chi^2$ /NDF: 0.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -267.192 $\pm$ 399.063  $\chi^2$ /NDF: 5.2/5

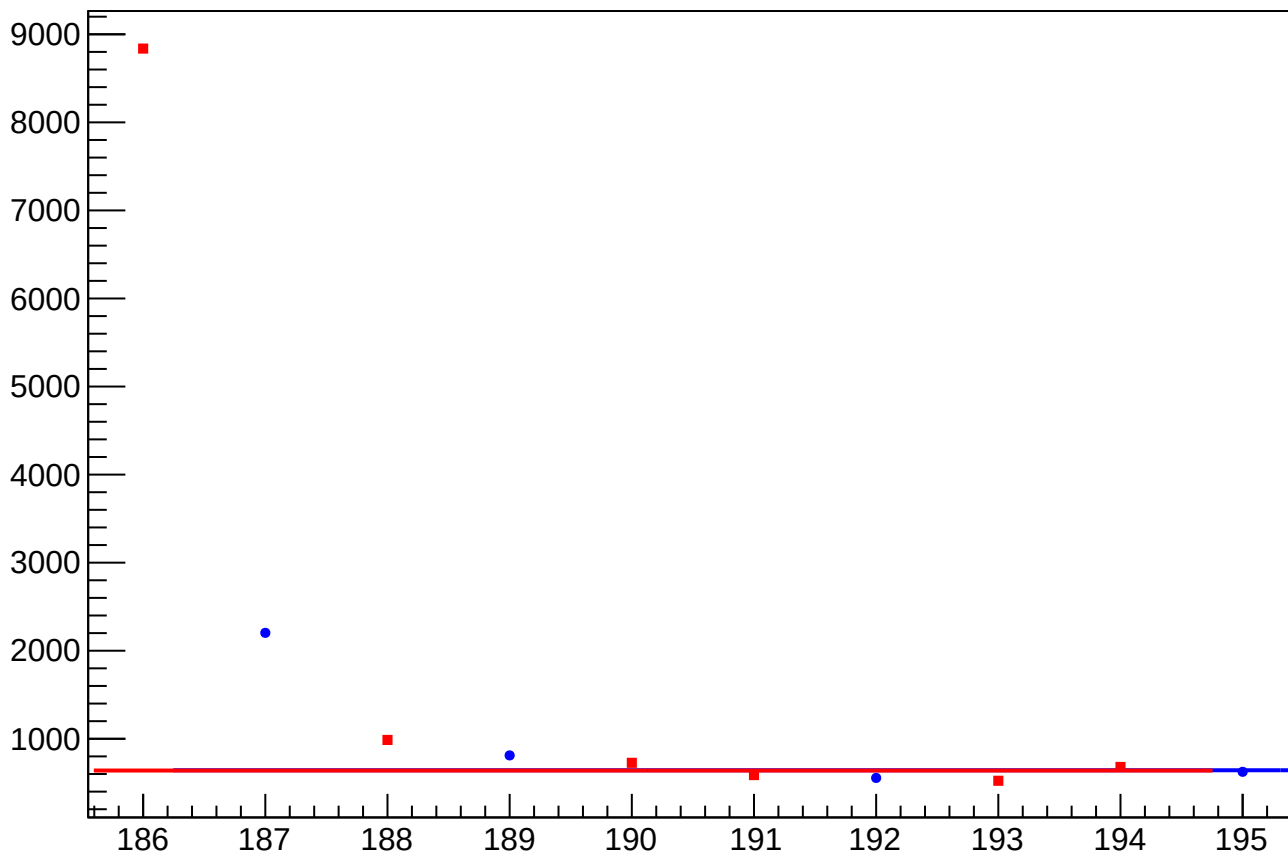
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -5.394 $\pm$ 308.801  $\chi^2$ /NDF: 7.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_dd\_correction\_rms vs Slug



Right In: 642.692 $\pm$ 0.345  $\chi^2$ /NDF: 209221.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 639.538 $\pm$ 0.282  $\chi^2$ /NDF: 840677.7/5

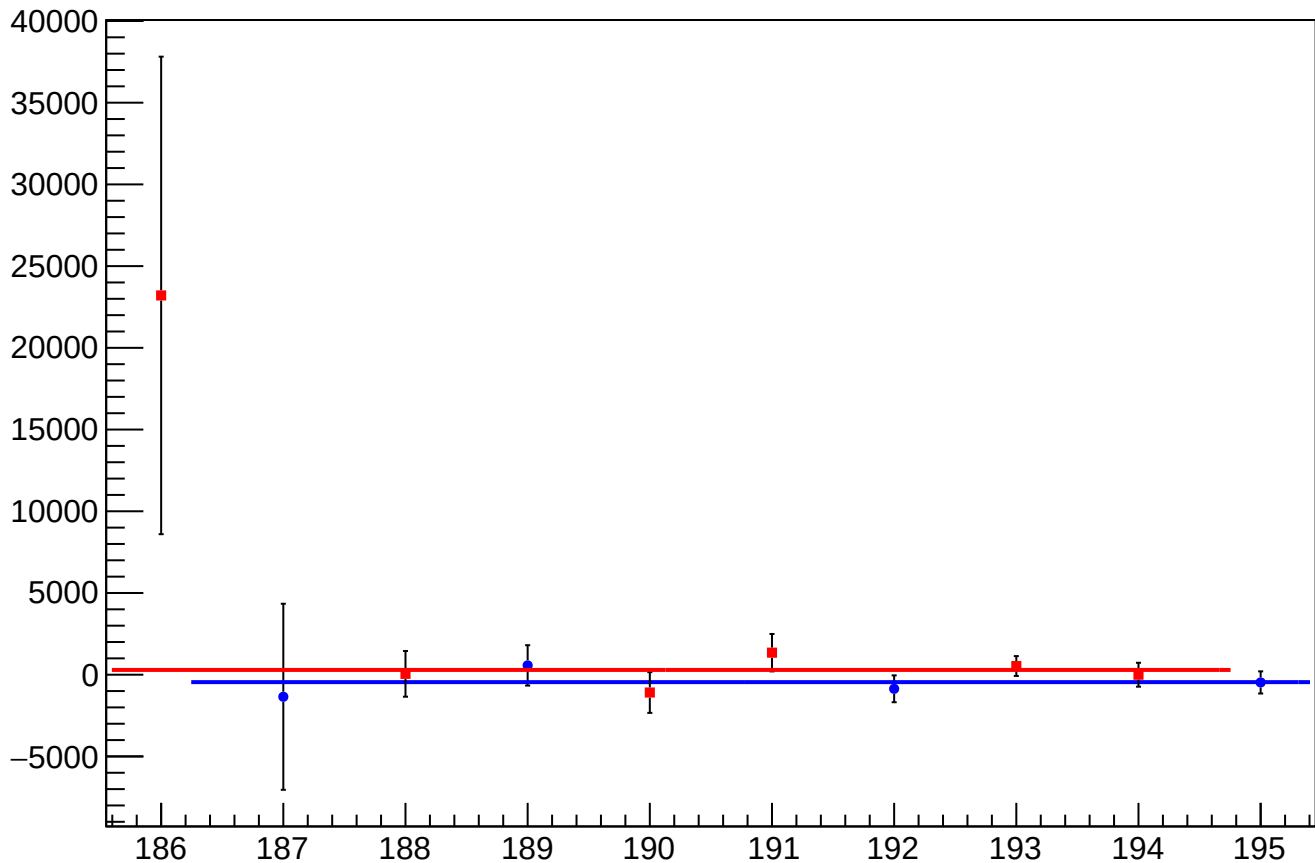
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 640.804 $\pm$ 0.218  $\chi^2$ /NDF: 1049949.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_dd\_mean vs Slug



Right In: -454.546+/-479.423  $\chi^2/\text{NDF}$ : 1.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 292.589+/-391.904  $\chi^2/\text{NDF}$ : 4.9/5

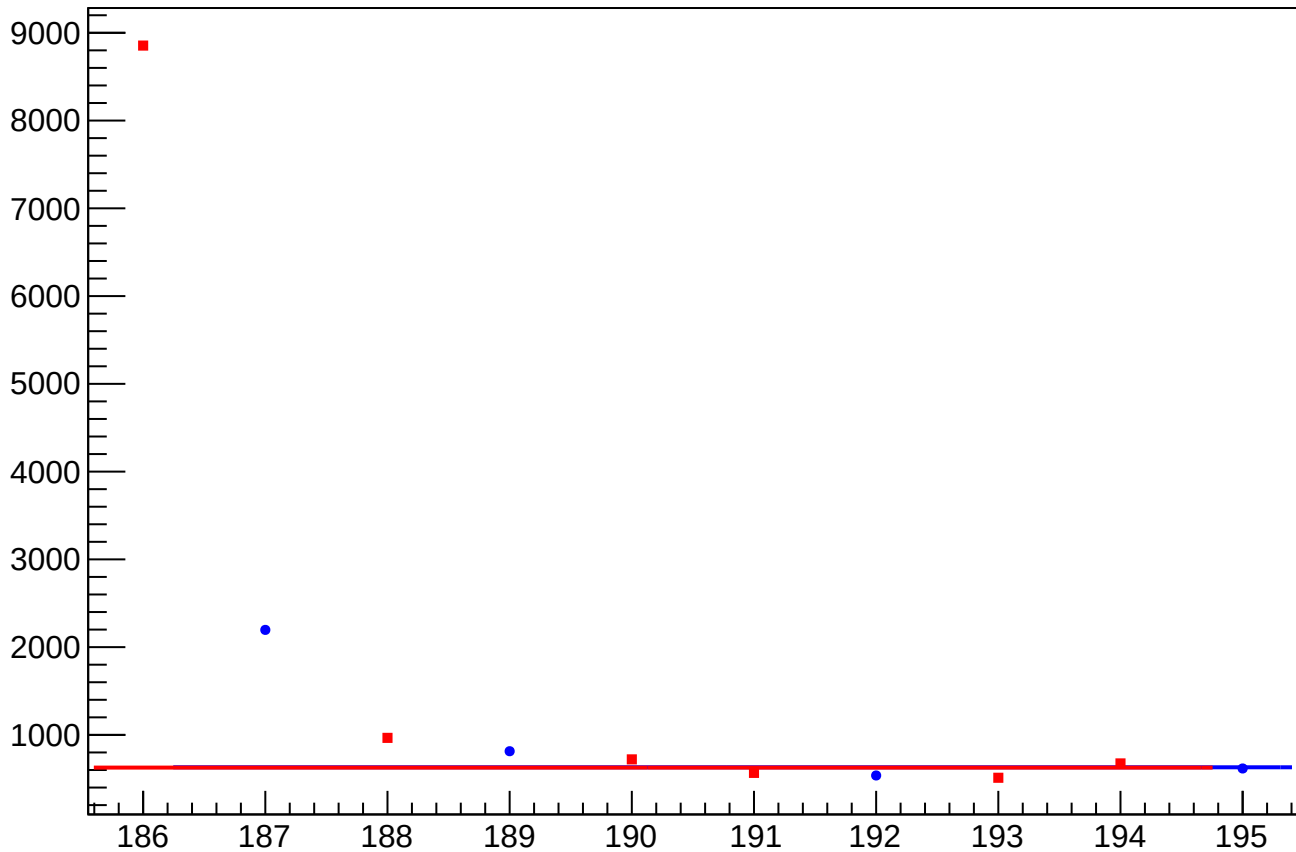
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.683+/-303.426  $\chi^2/\text{NDF}$ : 7.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_dd\_rms vs Slug



Right In: 630.991 $\pm$ 0.339  $\chi^2$ /NDF: 221940.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 627.477 $\pm$ 0.277  $\chi^2$ /NDF: 849865.6/5

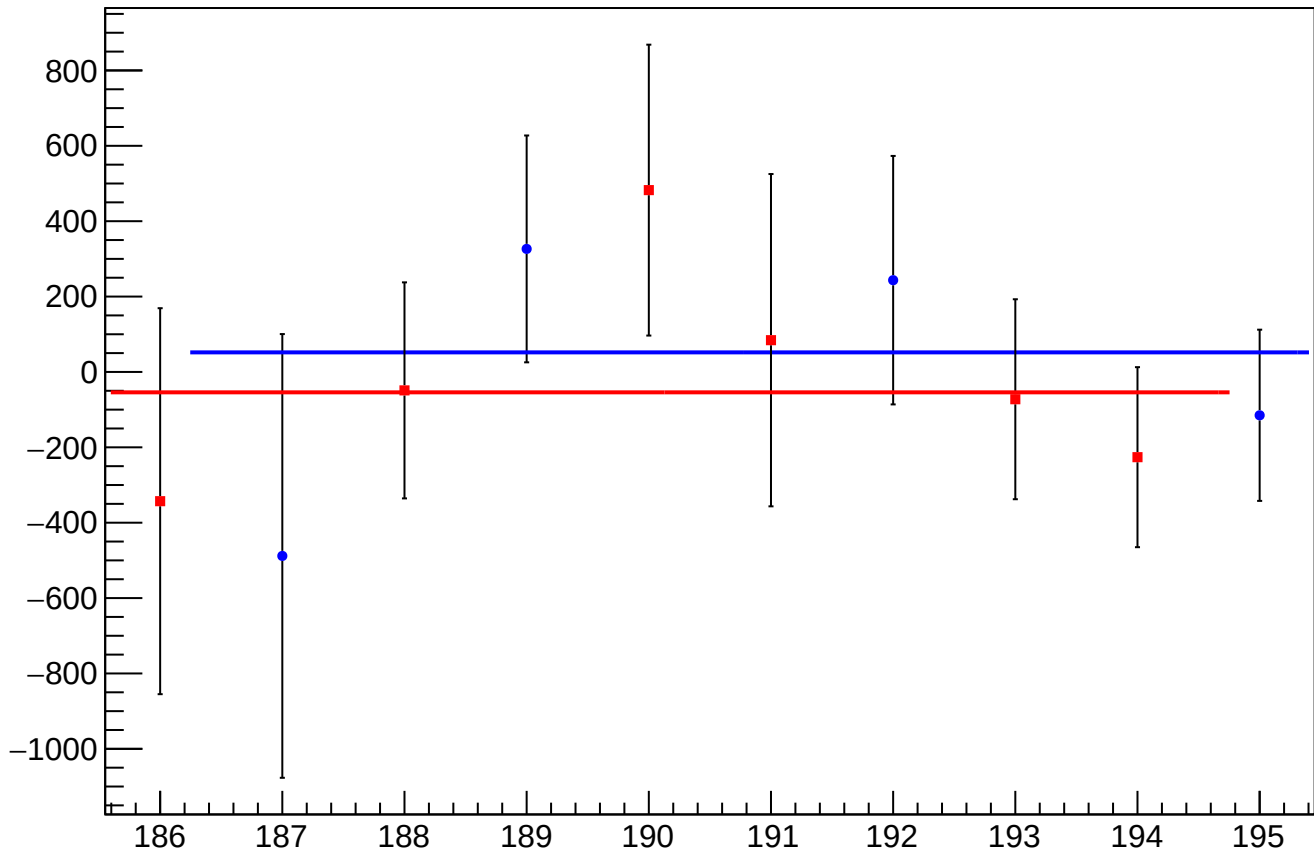
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 628.884 $\pm$ 0.215  $\chi^2$ /NDF: 1071870.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_dd\_mean vs Slug



Right In: 51.934 $\pm$ 153.371  $\chi^2$ /NDF: 2.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -54.103 $\pm$ 129.544  $\chi^2$ /NDF: 2.9/5

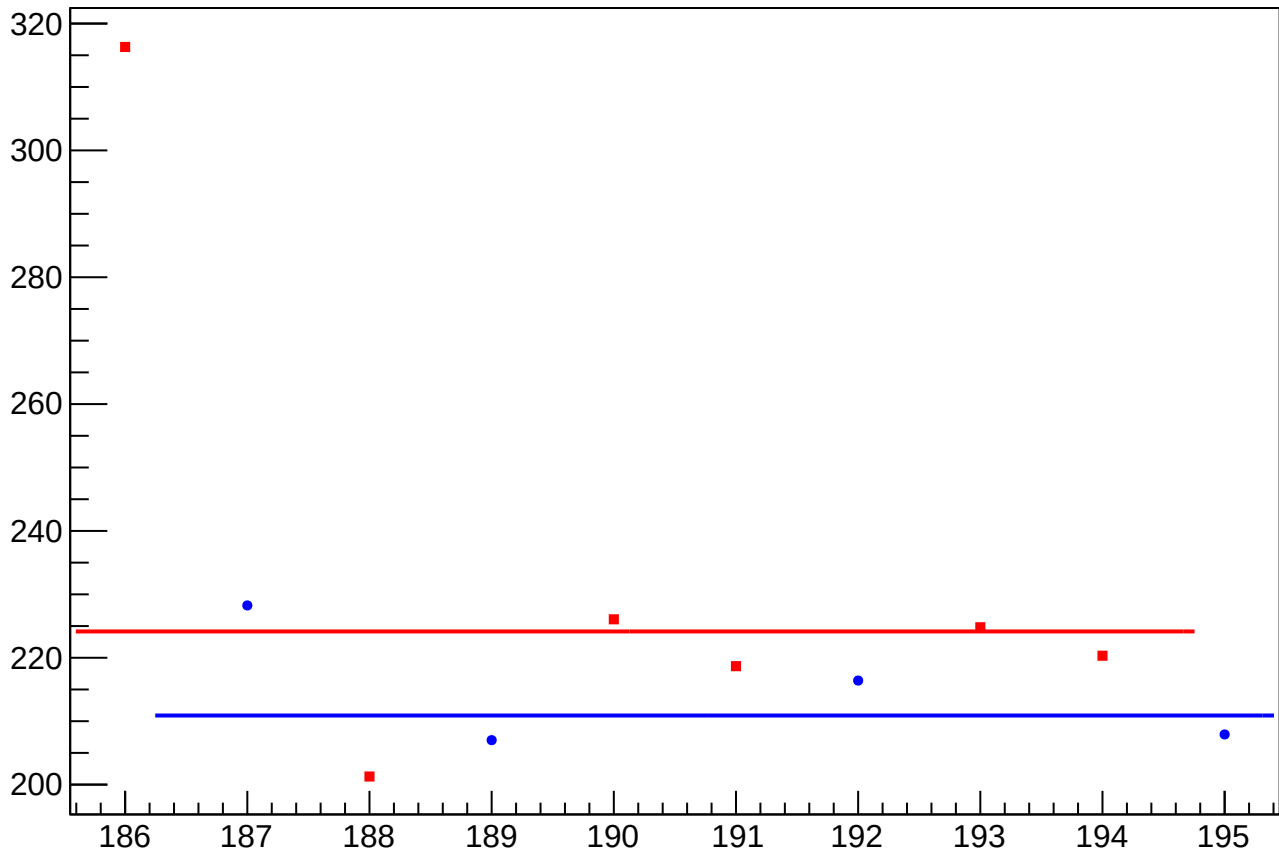
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -9.953 $\pm$ 98.966  $\chi^2$ /NDF: 5.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_dd\_rms vs Slug



Right In: 210.897 $\pm$ 0.108  $\chi^2$ /NDF: 2976.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 224.150 $\pm$ 0.092  $\chi^2$ /NDF: 78400.8/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

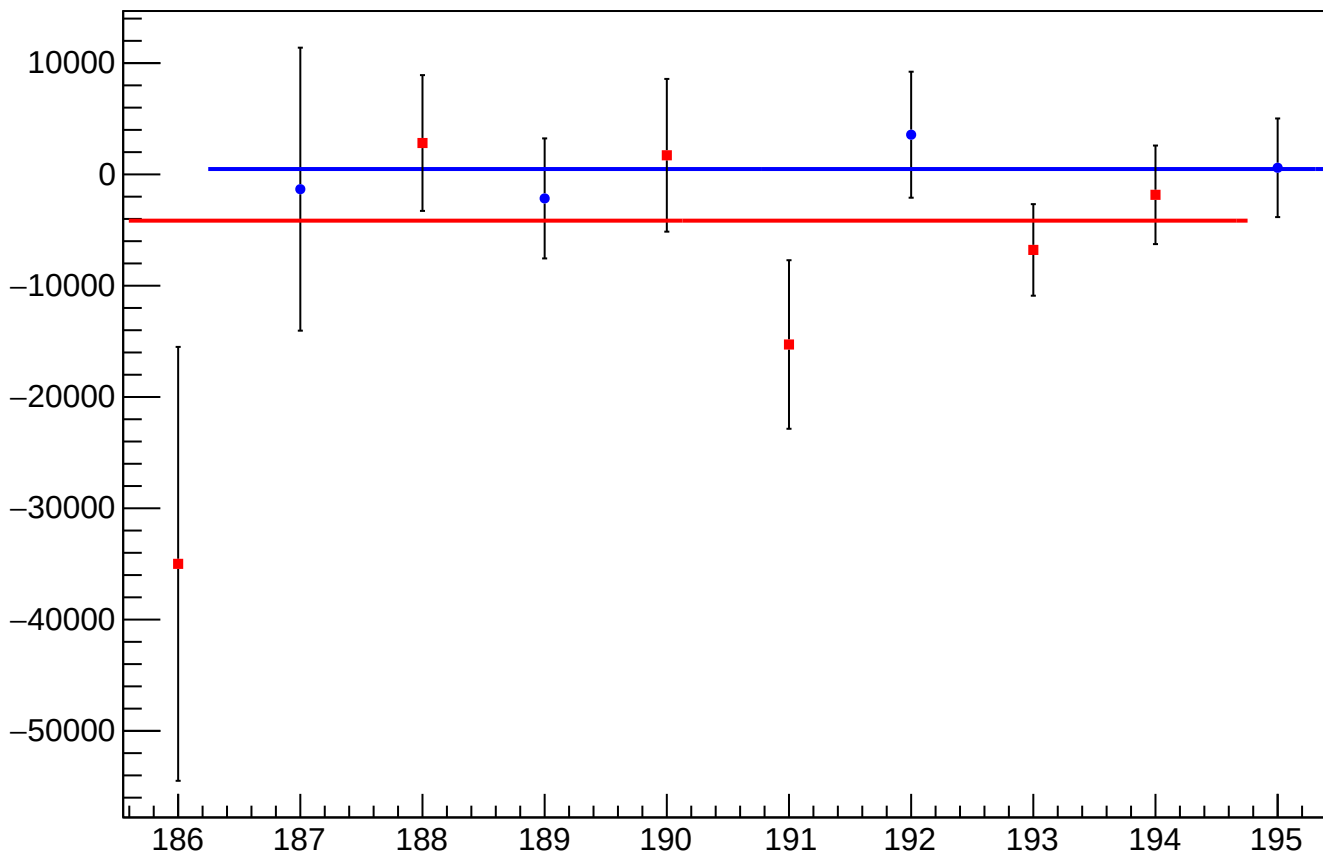
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 218.632 $\pm$ 0.070  $\chi^2$ /NDF: 90093.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_26\_dd\_correction\_mean vs Slug



Right In:  $482.958 \pm 2854.734$   $\chi^2/\text{NDF}$ : 0.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4155.332 \pm 2368.354$   $\chi^2/\text{NDF}$ : 7.4/5

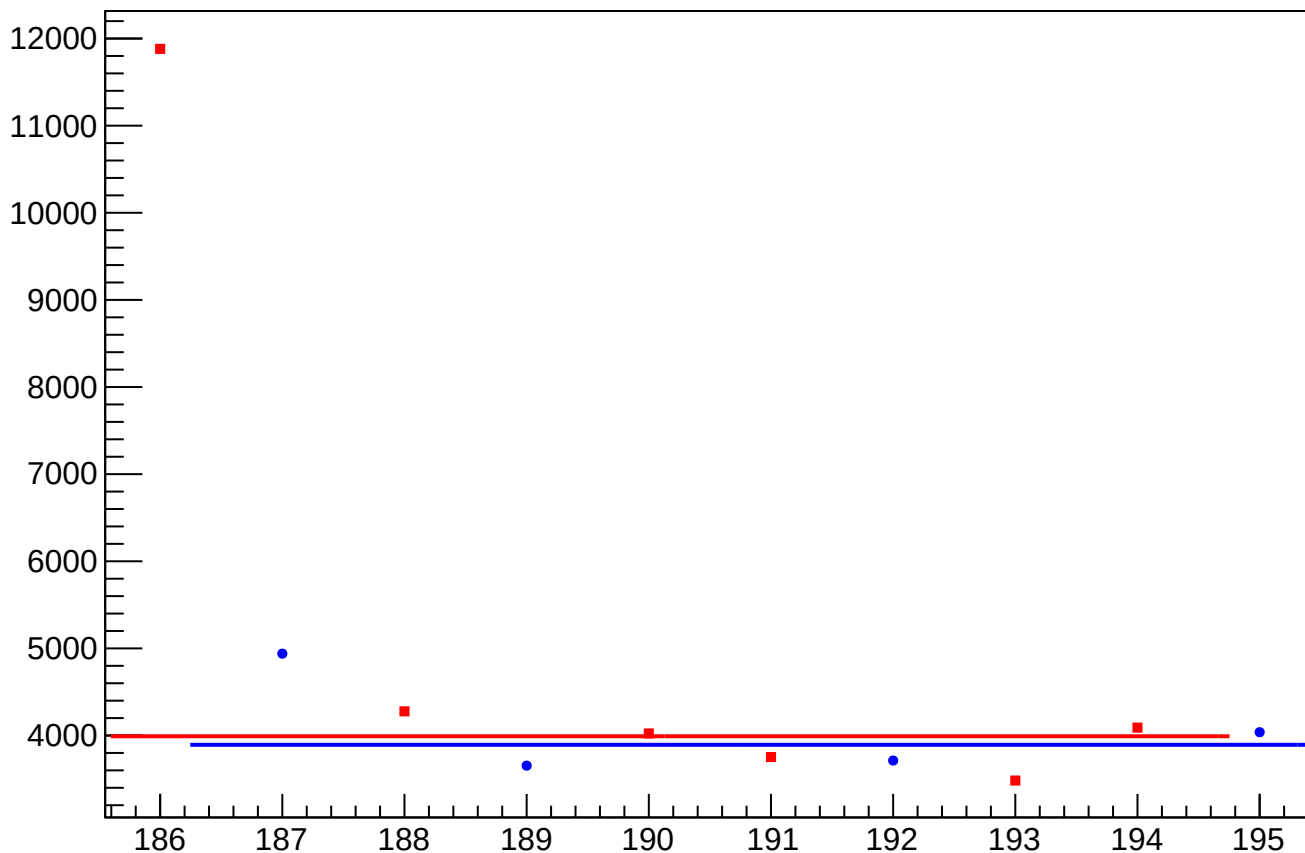
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2264.397 \pm 1822.742$   $\chi^2/\text{NDF}$ : 9.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_dd\_correction\_rms vs Slug



Right In: 3893.399 $\pm$ 2.019  $\chi^2$ /NDF: 21636.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3991.520 $\pm$ 1.675  $\chi^2$ /NDF: 365630.6/5

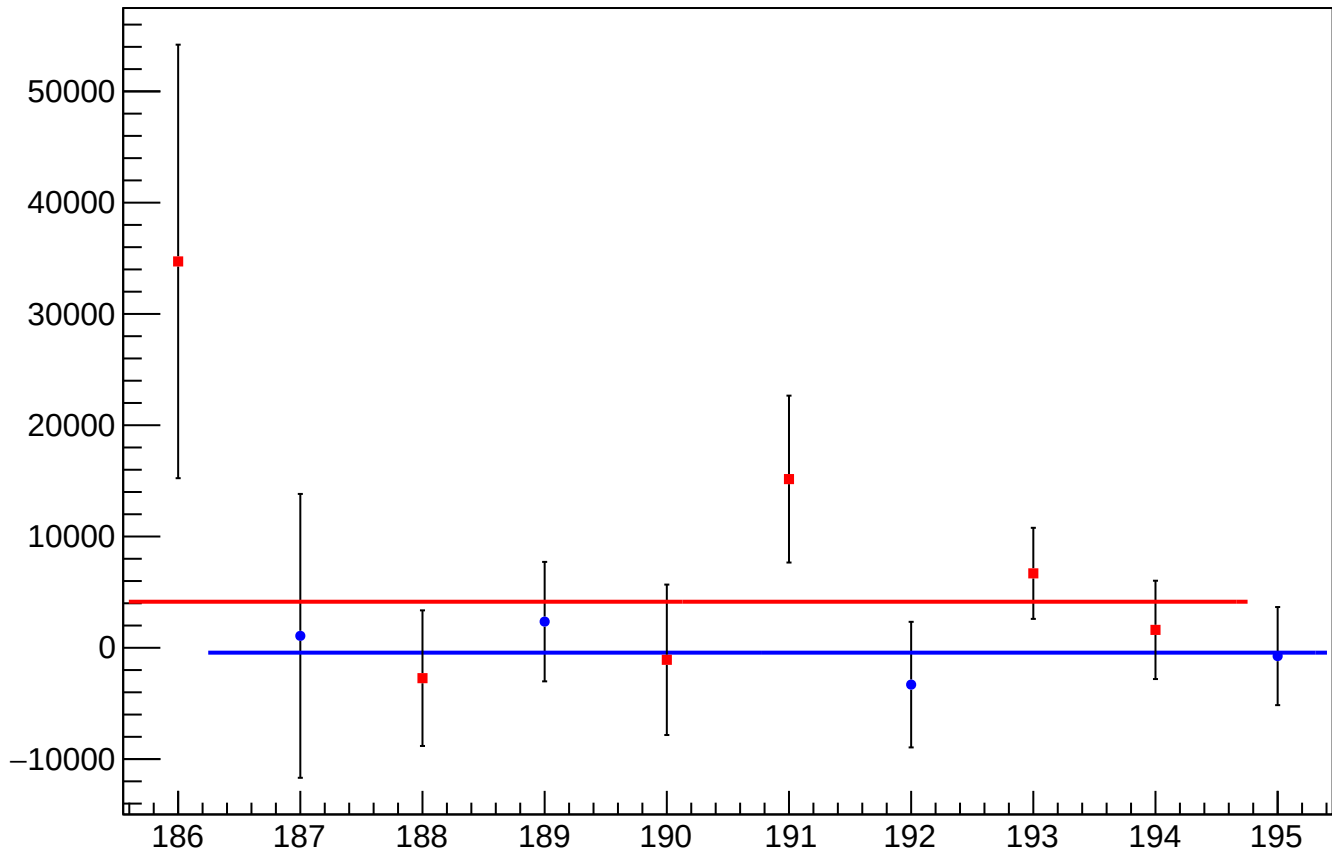
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3951.518 $\pm$ 1.289  $\chi^2$ /NDF: 388666.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_dd\_mean vs Slug



Right In: -436.981+/-2842.680  $\chi^2/\text{NDF}$ : 0.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4139.587+/-2355.689  $\chi^2/\text{NDF}$ : 7.2/5

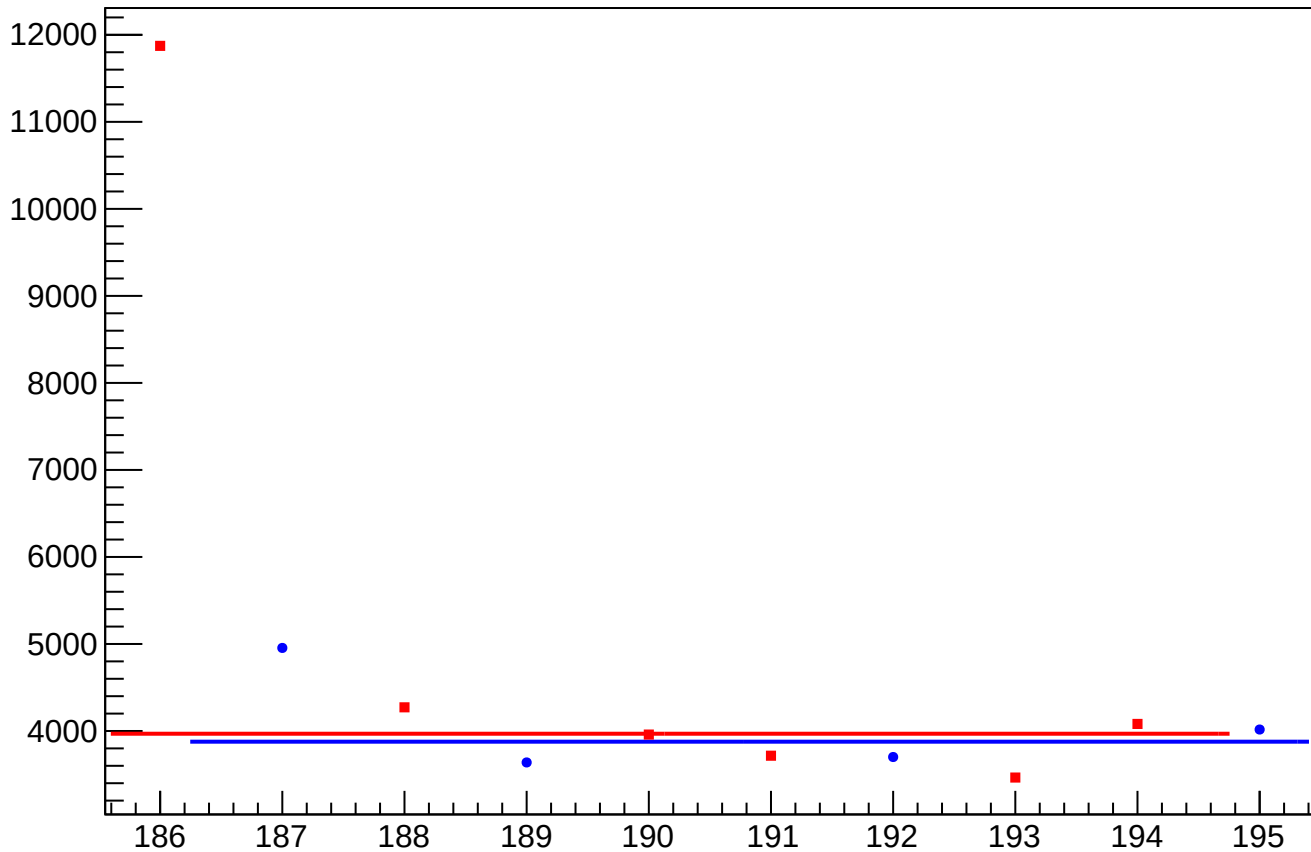
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2276.313+/-1813.829  $\chi^2/\text{NDF}$ : 9.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_dd\_rms vs Slug



Right In: 3877.226 $\pm$ 2.010  $\chi^2$ /NDF: 22183.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3968.645 $\pm$ 1.666  $\chi^2$ /NDF: 368202.1/5

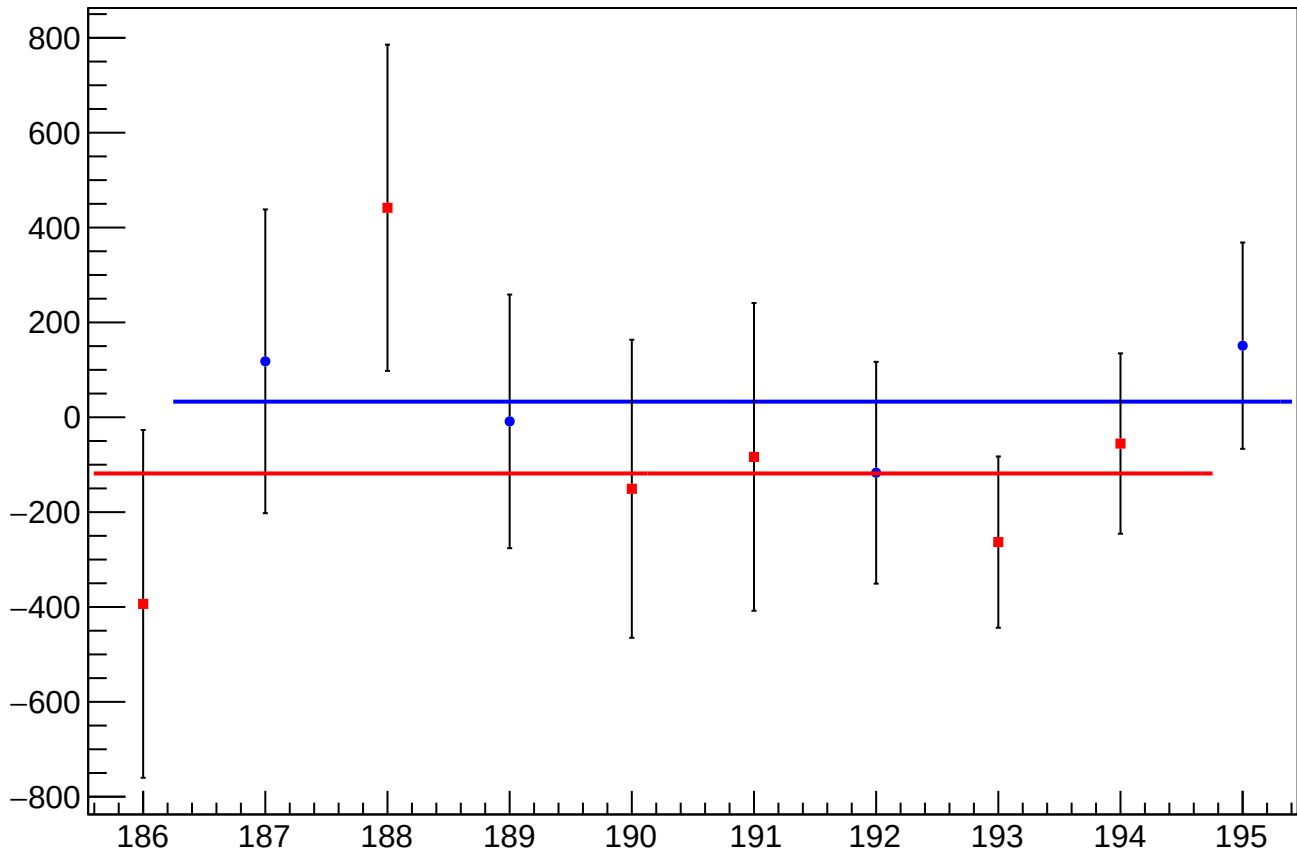
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3931.426 $\pm$ 1.283  $\chi^2$ /NDF: 391611.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_dd\_mean vs Slug



Right In: 32.966 $\pm$ 125.805  $\chi^2$ /NDF: 0.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -118.458 $\pm$ 103.218  $\chi^2$ /NDF: 4.0/5

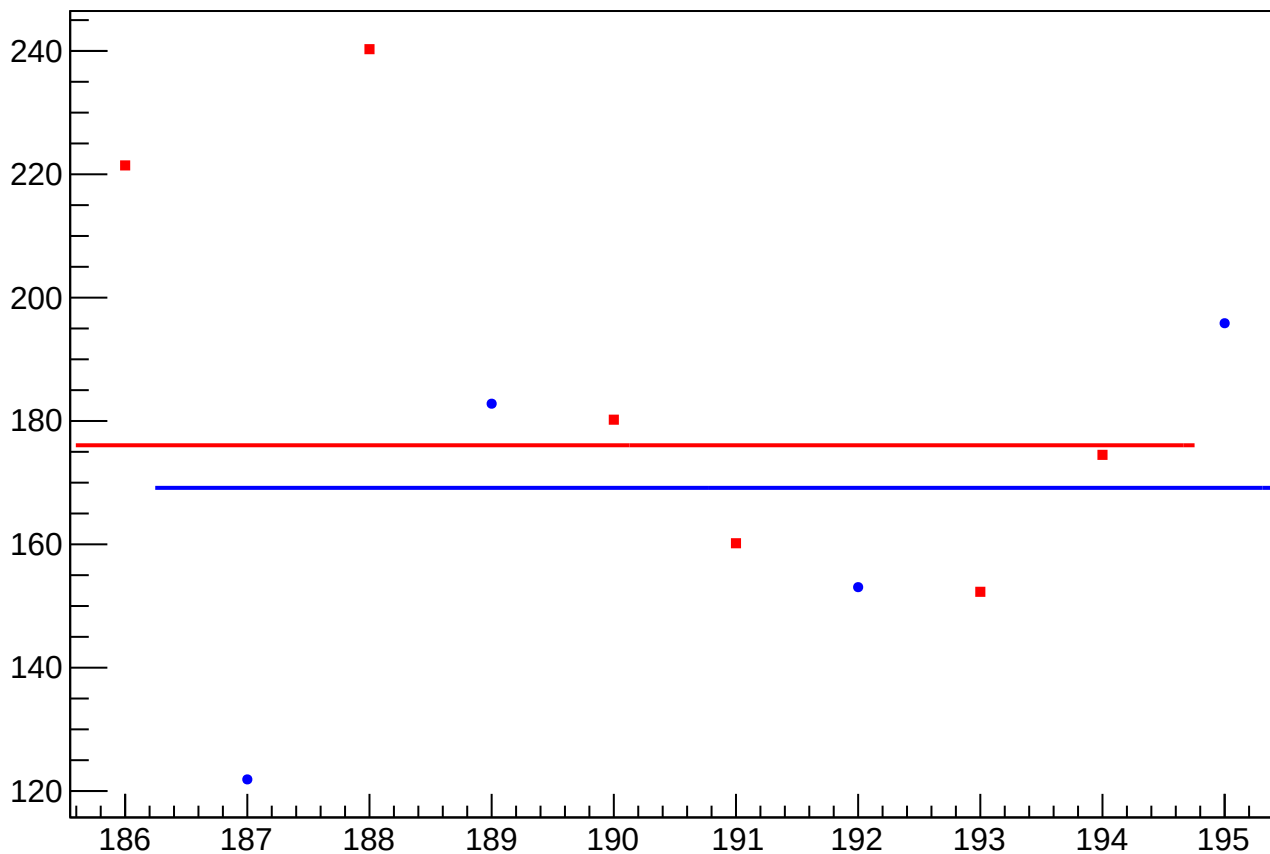
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -57.536 $\pm$ 79.797  $\chi^2$ /NDF: 5.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_dd\_rms vs Slug



Right In: 169.158 $\pm$ 0.089  $\chi^2$ /NDF: 88415.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 176.063 $\pm$ 0.073  $\chi^2$ /NDF: 140302.6/5

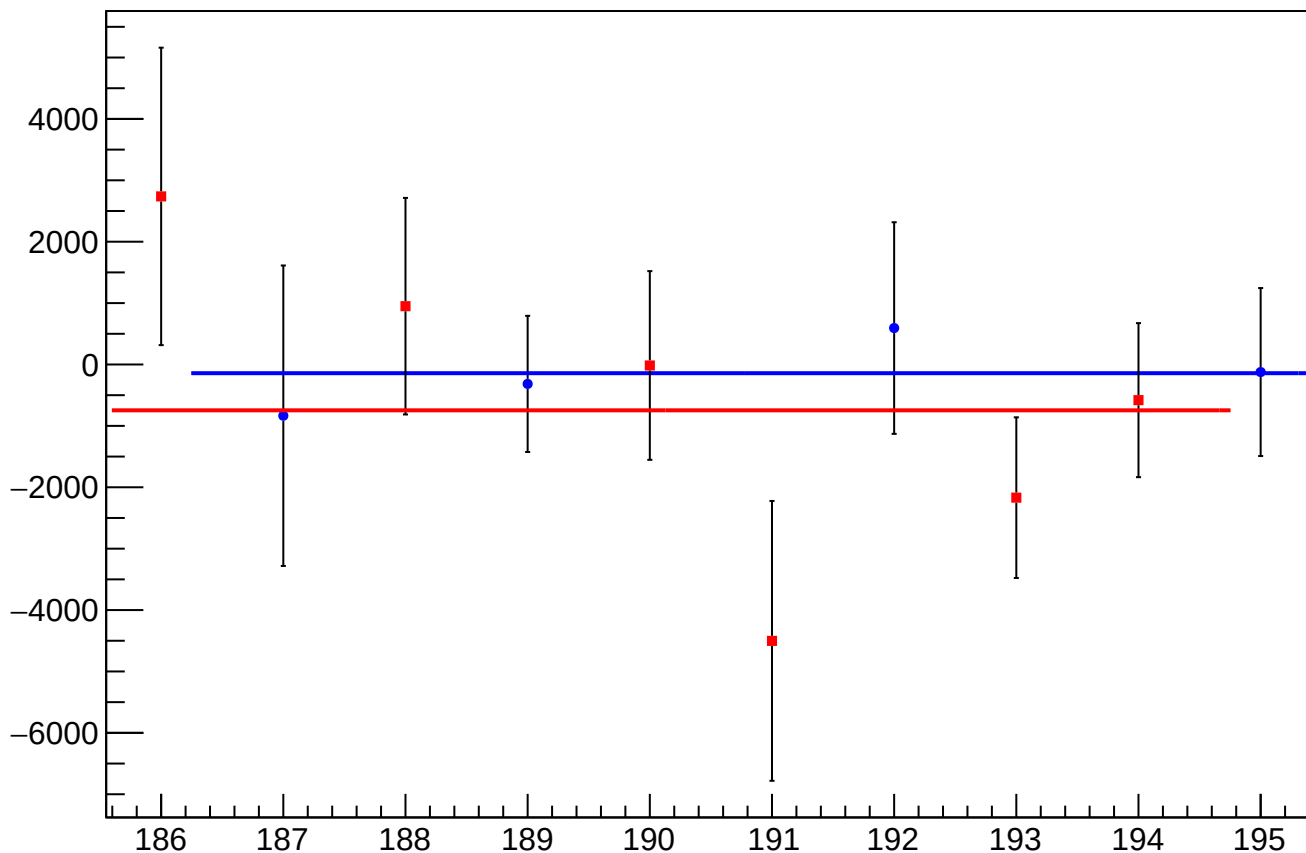
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 173.285 $\pm$ 0.056  $\chi^2$ /NDF: 232318.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_dd\_correction\_mean vs Slug



Right In:  $-141.741 \pm 735.019$   $\chi^2/\text{NDF}$ : 0.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-746.646 \pm 655.512$   $\chi^2/\text{NDF}$ : 7.1/5

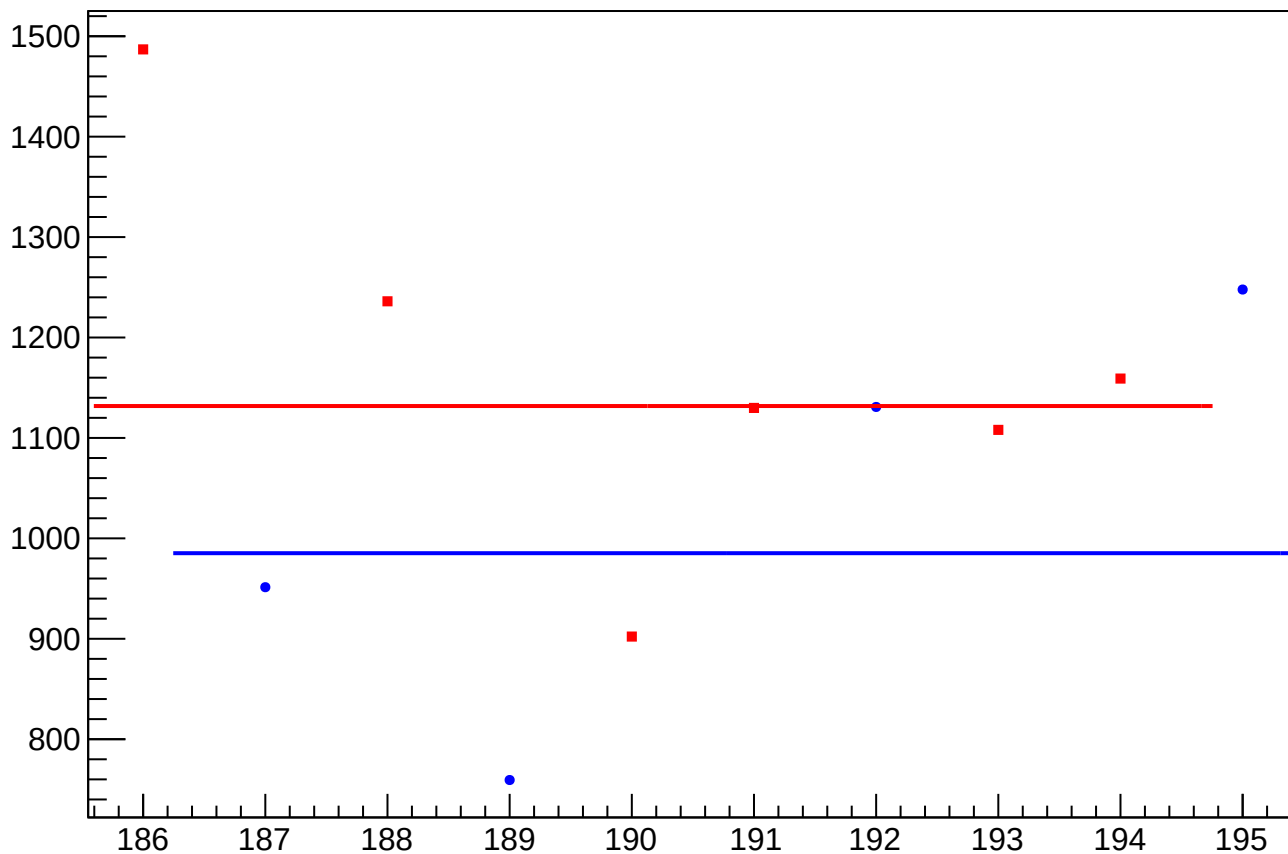
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-478.668 \pm 489.221$   $\chi^2/\text{NDF}$ : 7.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_dd\_correction\_rms vs Slug



Right In: 985.230 $\pm$ 0.520  $\chi^2$ /NDF: 171263.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1131.765 $\pm$ 0.464  $\chi^2$ /NDF: 96203.1/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

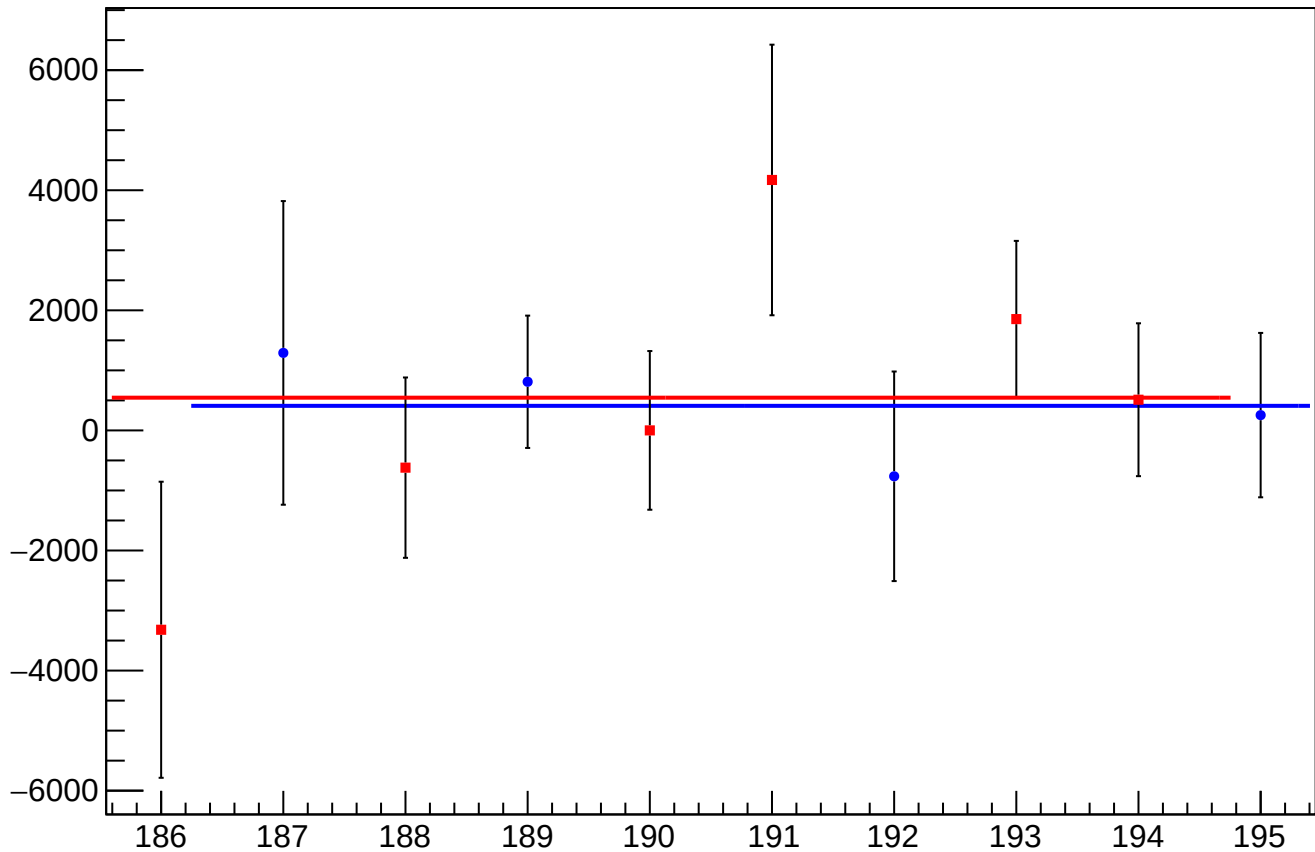
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1066.849 $\pm$ 0.346  $\chi^2$ /NDF: 311742.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_37\_dd\_mean vs Slug



Right In: 409.346+/-736.864  $\chi^2/\text{NDF}$ : 0.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 545.219+/-622.083  $\chi^2/\text{NDF}$ : 6.8/5

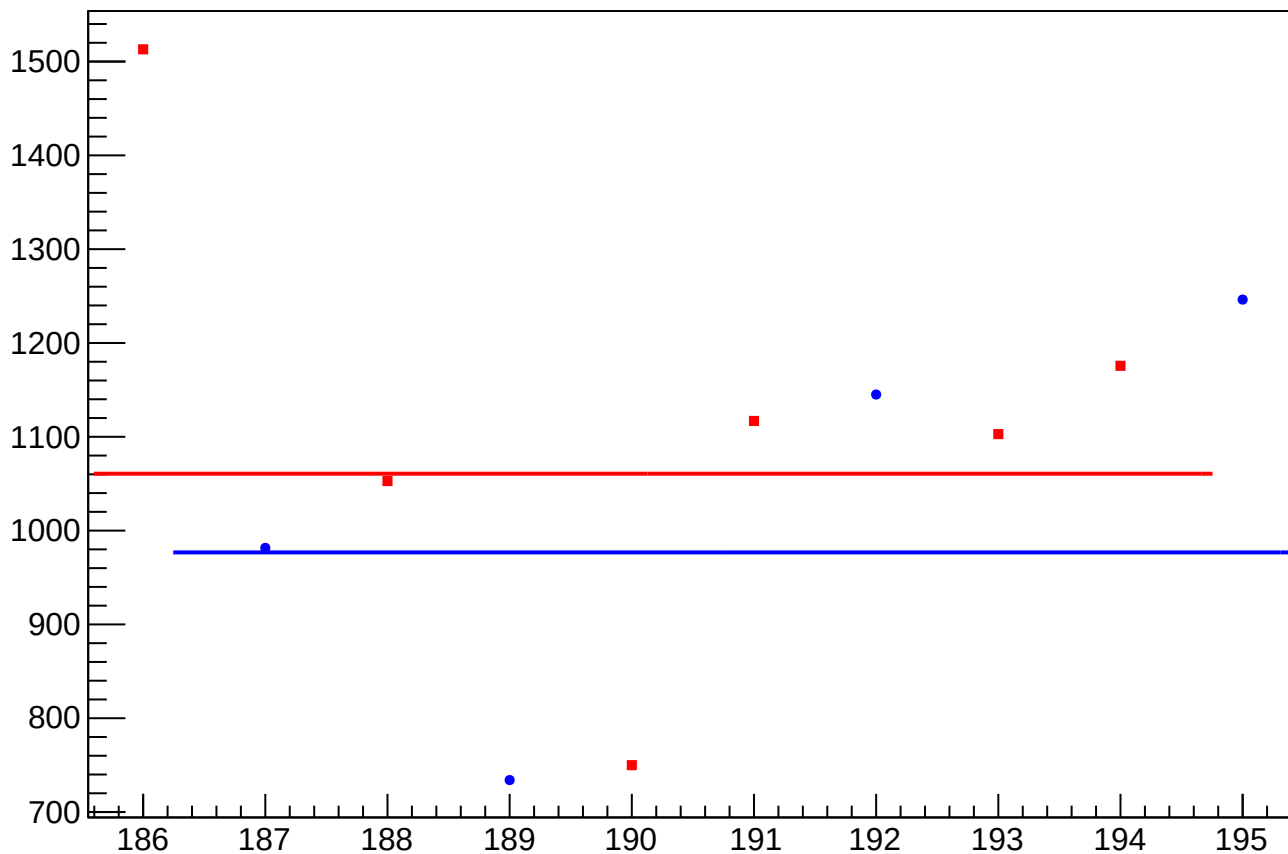
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 488.678+/-475.340  $\chi^2/\text{NDF}$ : 7.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_dd\_rms vs Slug



Right In: 976.757 $\pm$ 0.521  $\chi^2$ /NDF: 193096.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1060.661 $\pm$ 0.440  $\chi^2$ /NDF: 197590.2/5

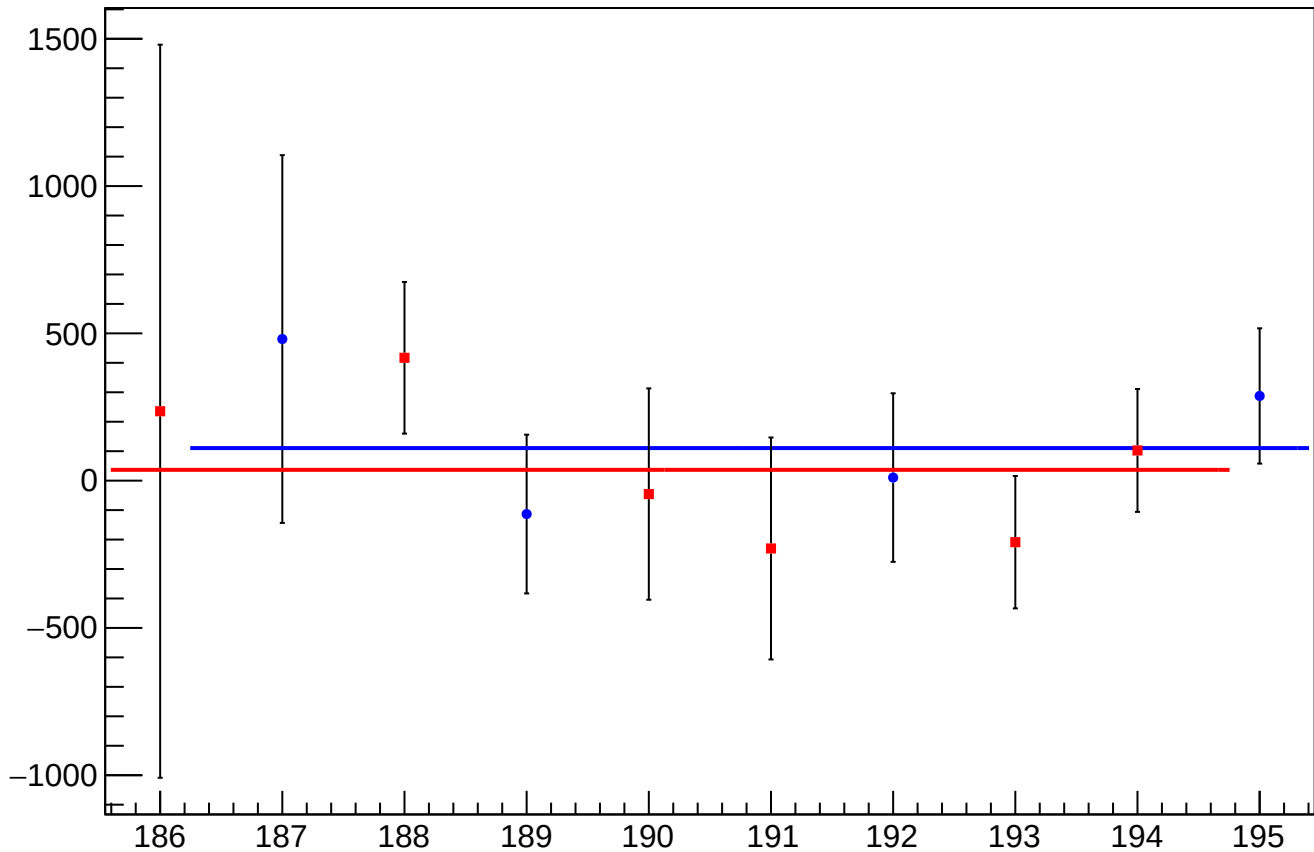
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1025.746 $\pm$ 0.336  $\chi^2$ /NDF: 405827.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_48\_dd\_mean vs Slug



Right In: 110.525 $\pm$ 145.064  $\chi^2$ /NDF: 1.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 36.676 $\pm$ 116.771  $\chi^2$ /NDF: 4.1/5

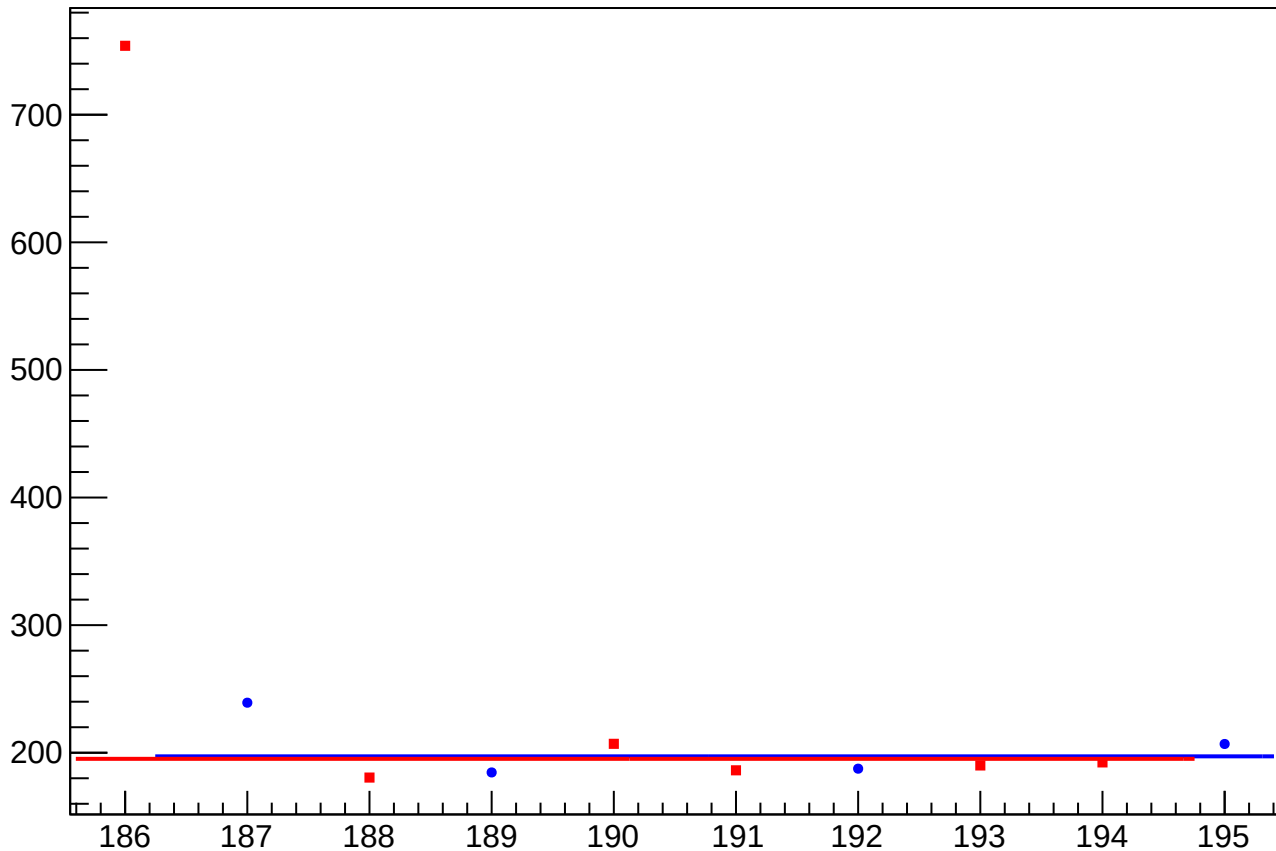
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 65.713 $\pm$ 90.962  $\chi^2$ /NDF: 6.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_48\_dd\_rms vs Slug



Right In: 197.179 $\pm$ 0.103  $\chi^2$ /NDF: 19303.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 195.228 $\pm$ 0.083  $\chi^2$ /NDF: 414509.9/5

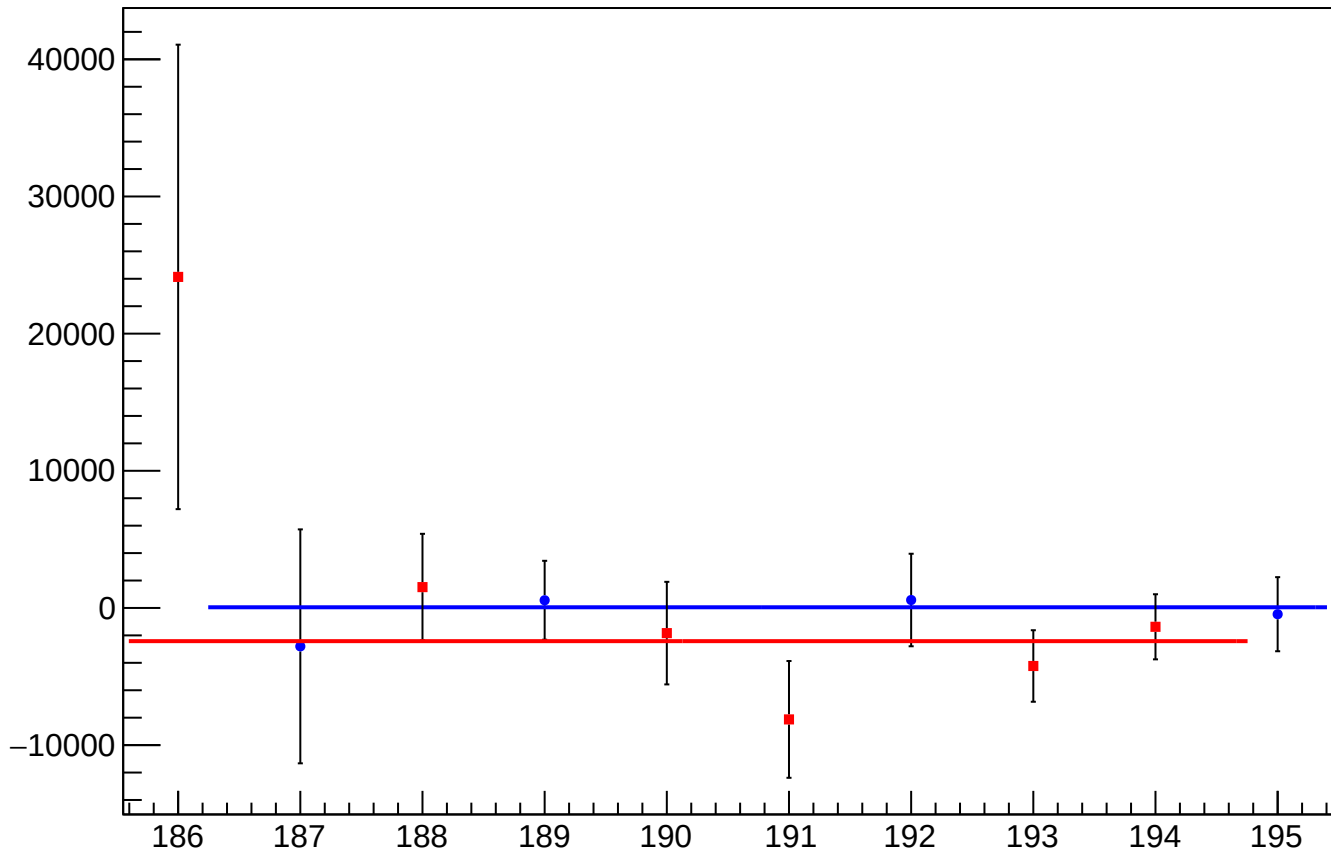
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 195.995 $\pm$ 0.064  $\chi^2$ /NDF: 434032.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_correction\_mean vs Slug



Right In: 49.710 $\pm$ 1667.639  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2419.892 $\pm$ 1385.339  $\chi^2$ /NDF: 6.0/5

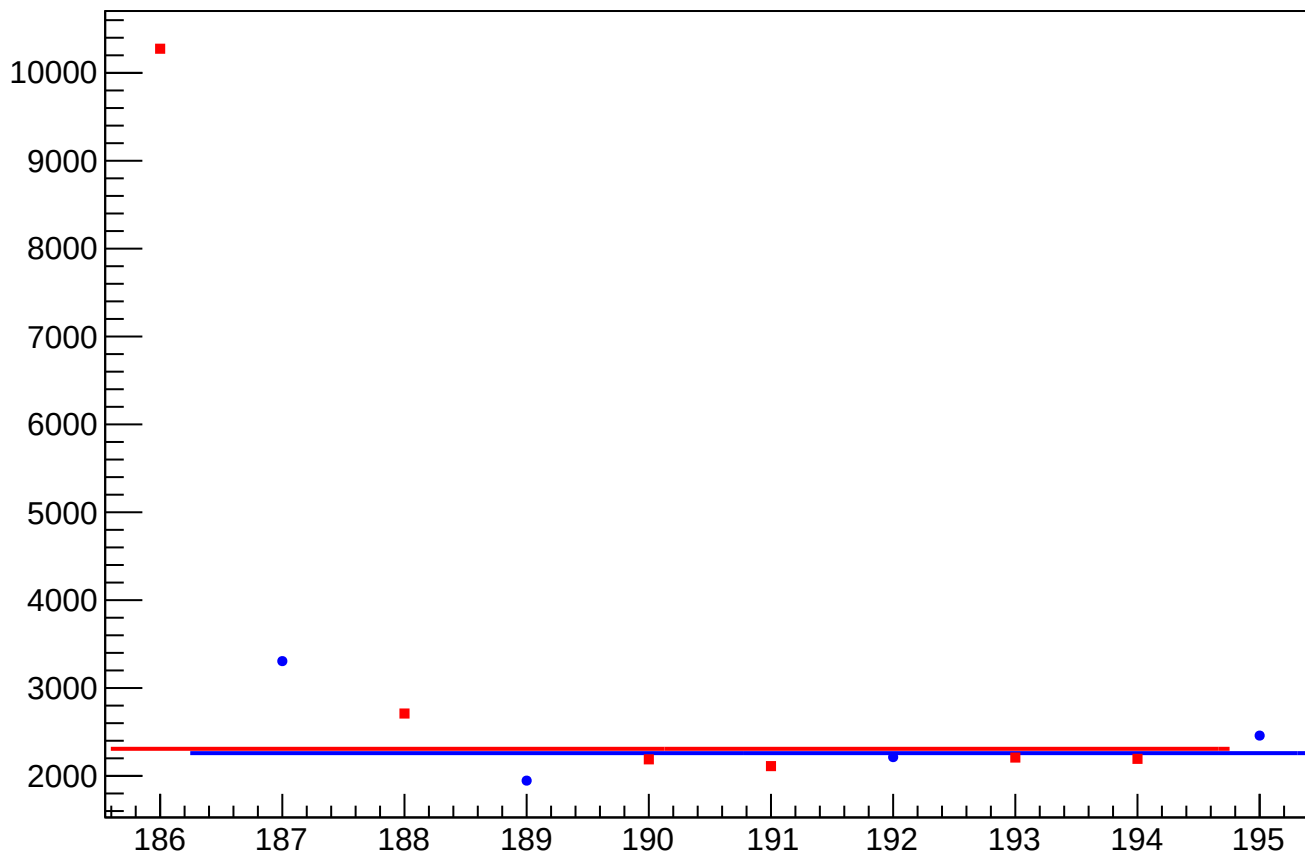
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1411.512 $\pm$ 1065.616  $\chi^2$ /NDF: 7.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_correction\_rms vs Slug



Right In: 2258.982 $\pm$ 1.179  $\chi^2$ /NDF: 65081.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2308.329 $\pm$ 0.980  $\chi^2$ /NDF: 478016.9/5

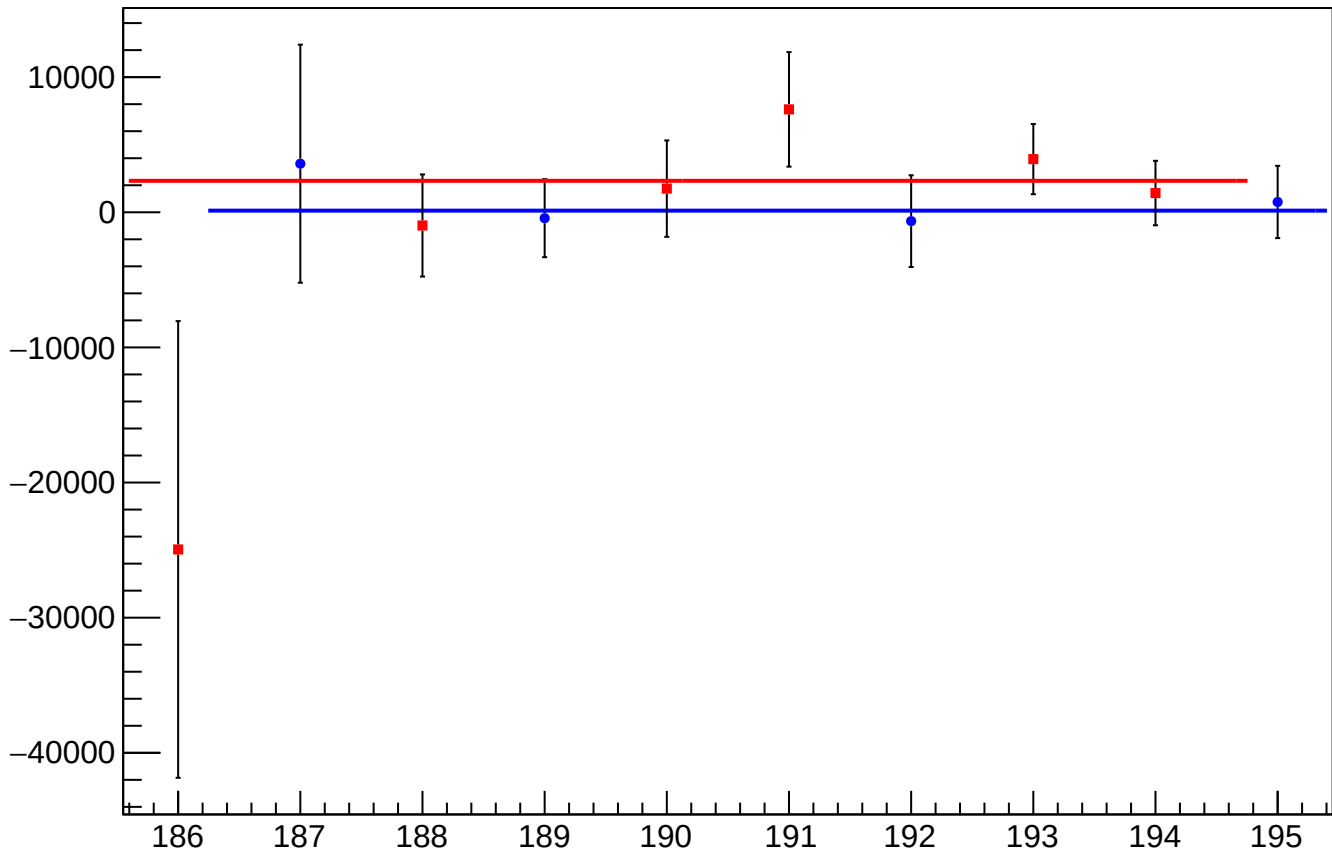
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2288.180 $\pm$ 0.754  $\chi^2$ /NDF: 544134.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_mean vs Slug



Right In: 121.714 $\pm$ 1667.819  $\chi^2$ /NDF: 0.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2329.669 $\pm$ 1371.340  $\chi^2$ /NDF: 5.5/5

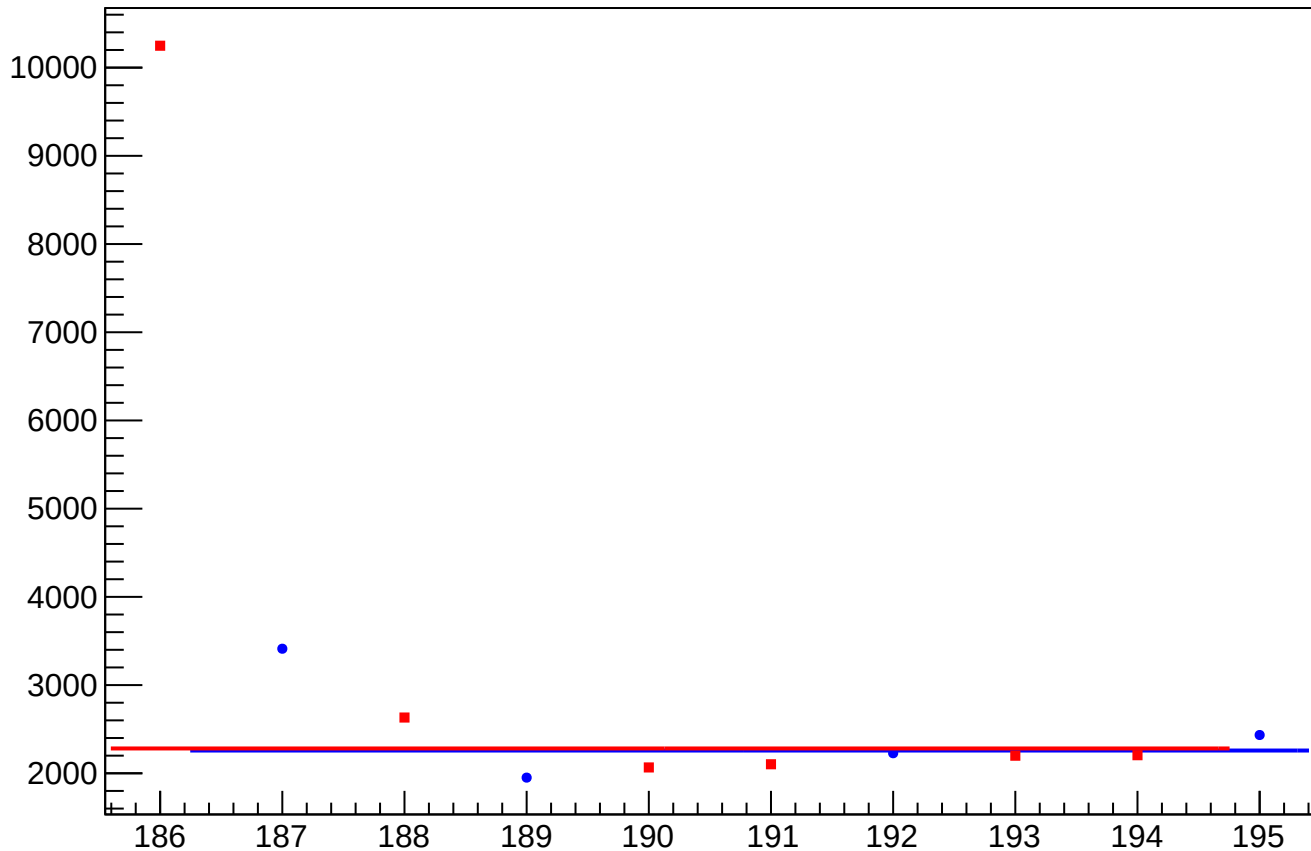
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1439.053 $\pm$ 1059.251  $\chi^2$ /NDF: 6.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_rms vs Slug



Right In: 2258.055+/-1.179  $\chi^2/\text{NDF}$ : 65789.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2281.440+/-0.970  $\chi^2/\text{NDF}$ : 476682.9/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

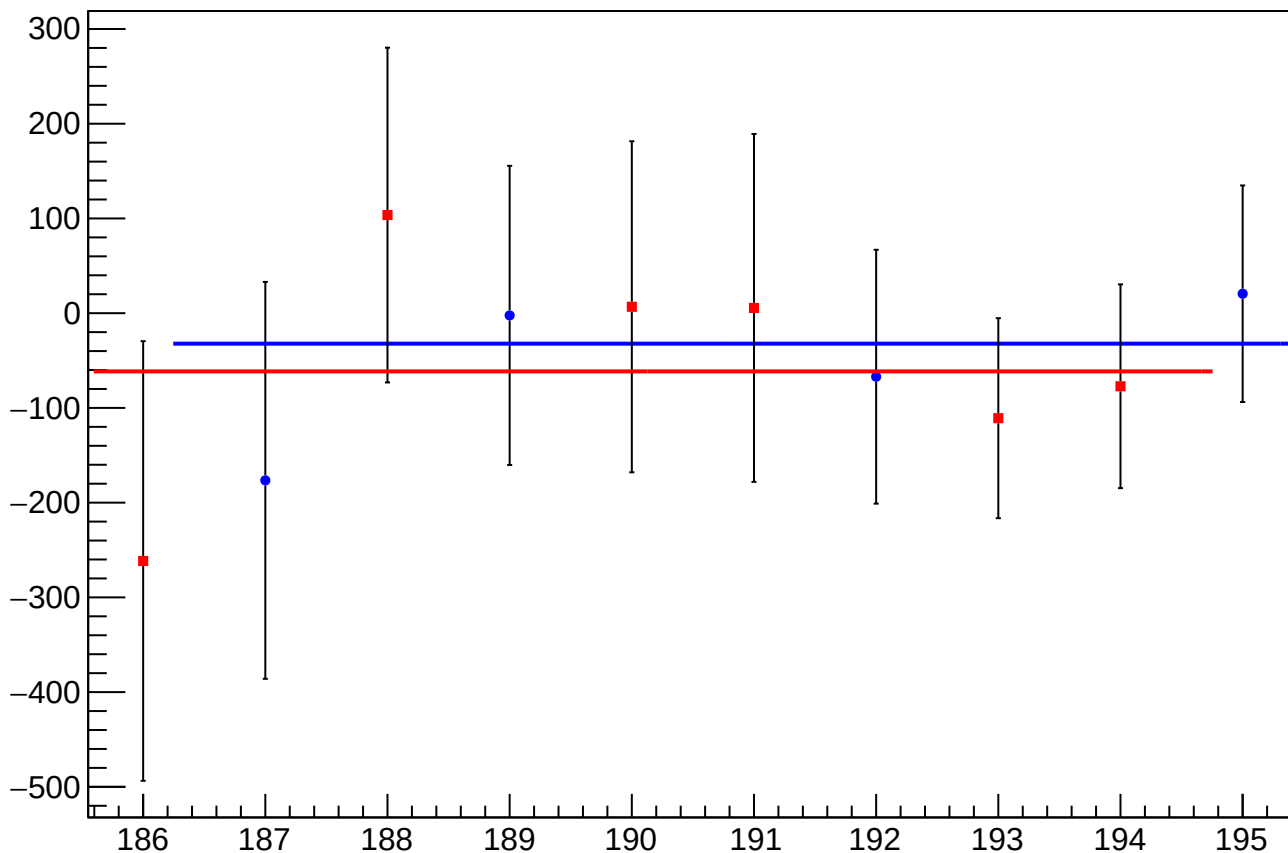
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2272.007+/-0.749  $\chi^2/\text{NDF}$ : 542707.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_13\_57\_dd\_mean vs Slug



Right In: -32.175+/-71.583  $\chi^2/\text{NDF}$ : 0.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -61.445+/-58.804  $\chi^2/\text{NDF}$ : 2.1/5

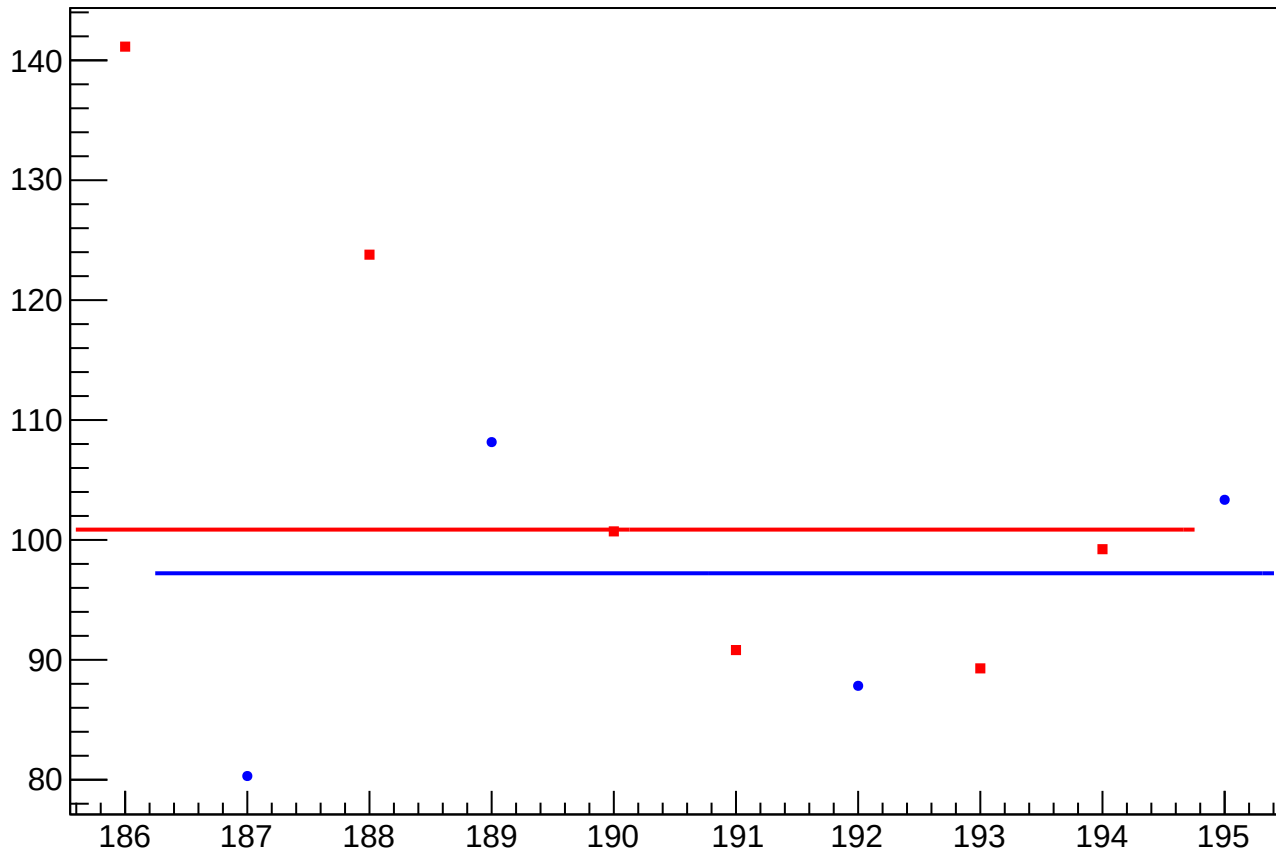
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -49.651+/-45.438  $\chi^2/\text{NDF}$ : 3.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_13\_57\_dd\_rms vs Slug



Right In: 97.219 $\pm$ 0.051  $\chi^2$ /NDF: 38198.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 100.862 $\pm$ 0.042  $\chi^2$ /NDF: 124431.1/5

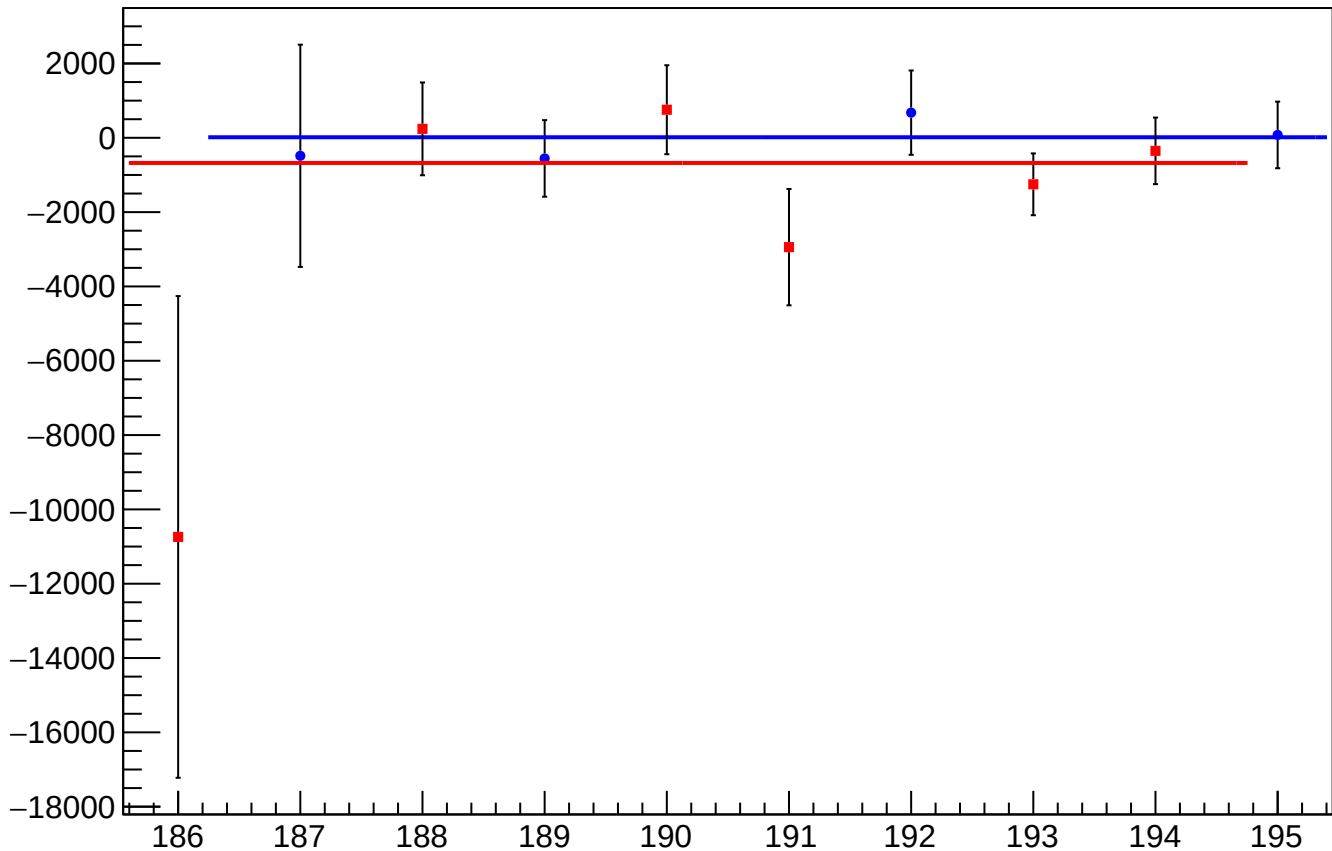
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 99.394 $\pm$ 0.032  $\chi^2$ /NDF: 165721.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_13\_57\_dd\_correction\_mean vs Slug



Right In: 14.629+/-570.210  $\chi^2/\text{NDF}$ : 0.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -676.944+/-473.350  $\chi^2/\text{NDF}$ : 7.1/5

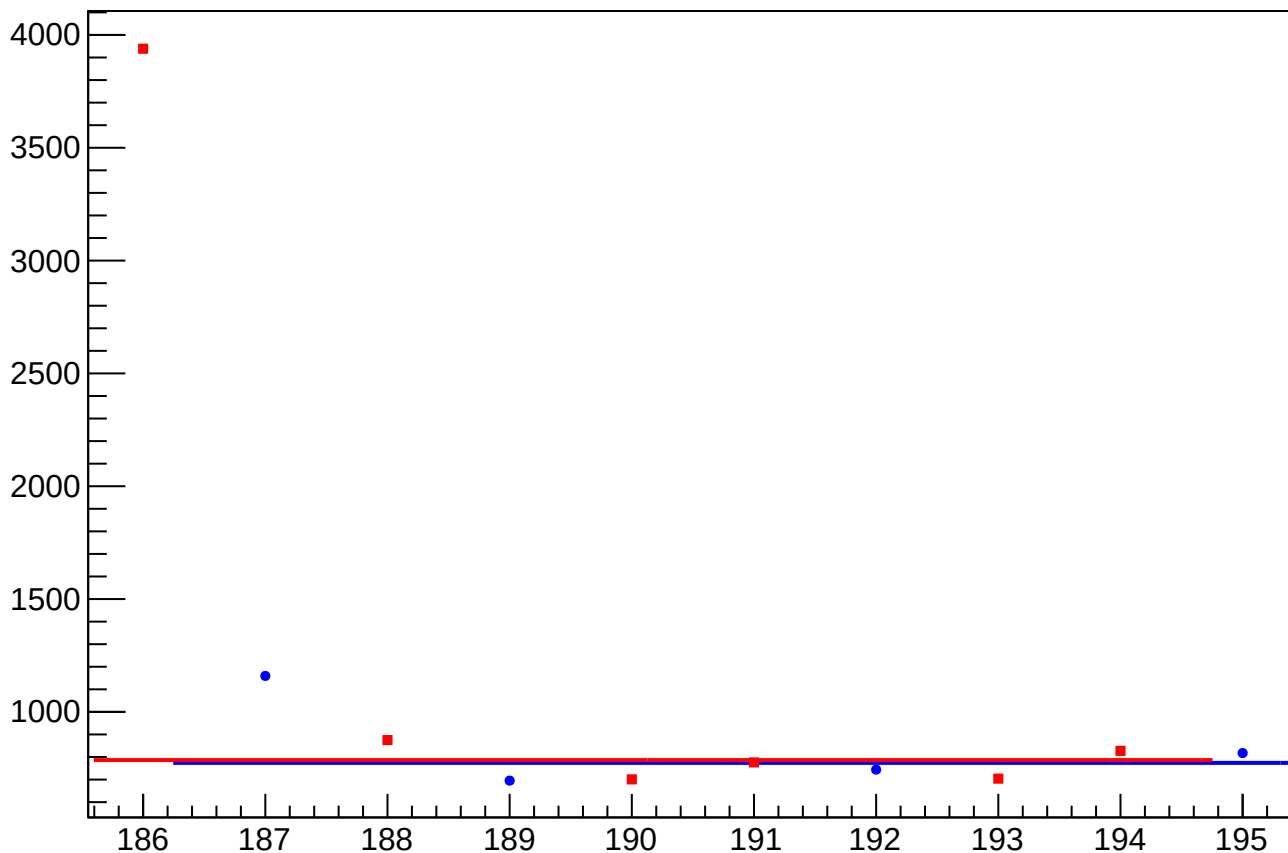
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -394.800+/-364.210  $\chi^2/\text{NDF}$ : 8.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_13\_57\_dd\_correction\_rms vs Slug



Right In: 773.953+/-0.403  $\chi^2/\text{NDF}$ : 50991.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 786.423+/-0.335  $\chi^2/\text{NDF}$ : 517235.5/5

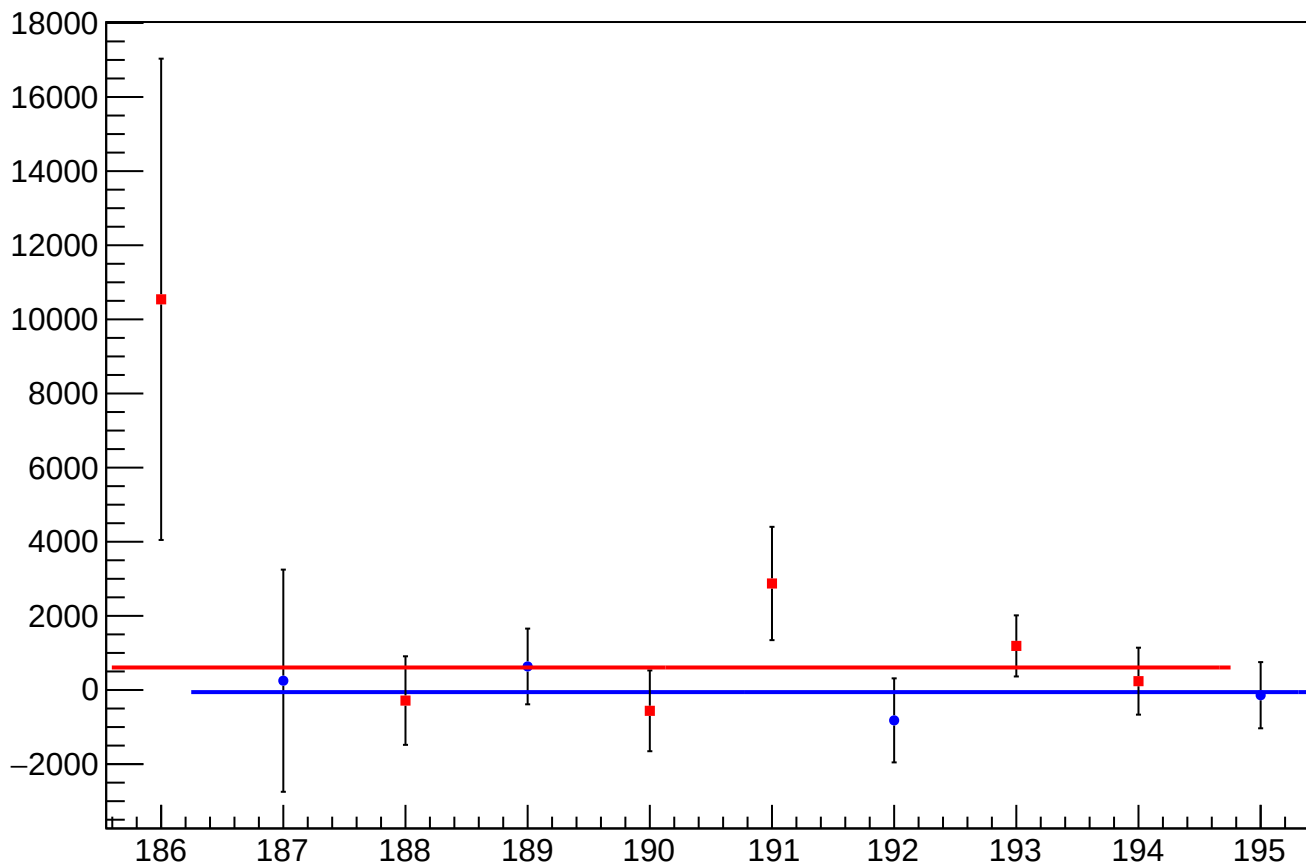
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 781.336+/-0.258  $\chi^2/\text{NDF}$ : 568792.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_13\_57\_dd\_mean vs Slug



Right In: -57.216 $\pm$ 567.814  $\chi^2$ /NDF: 0.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 607.325 $\pm$ 461.719  $\chi^2$ /NDF: 6.9/5

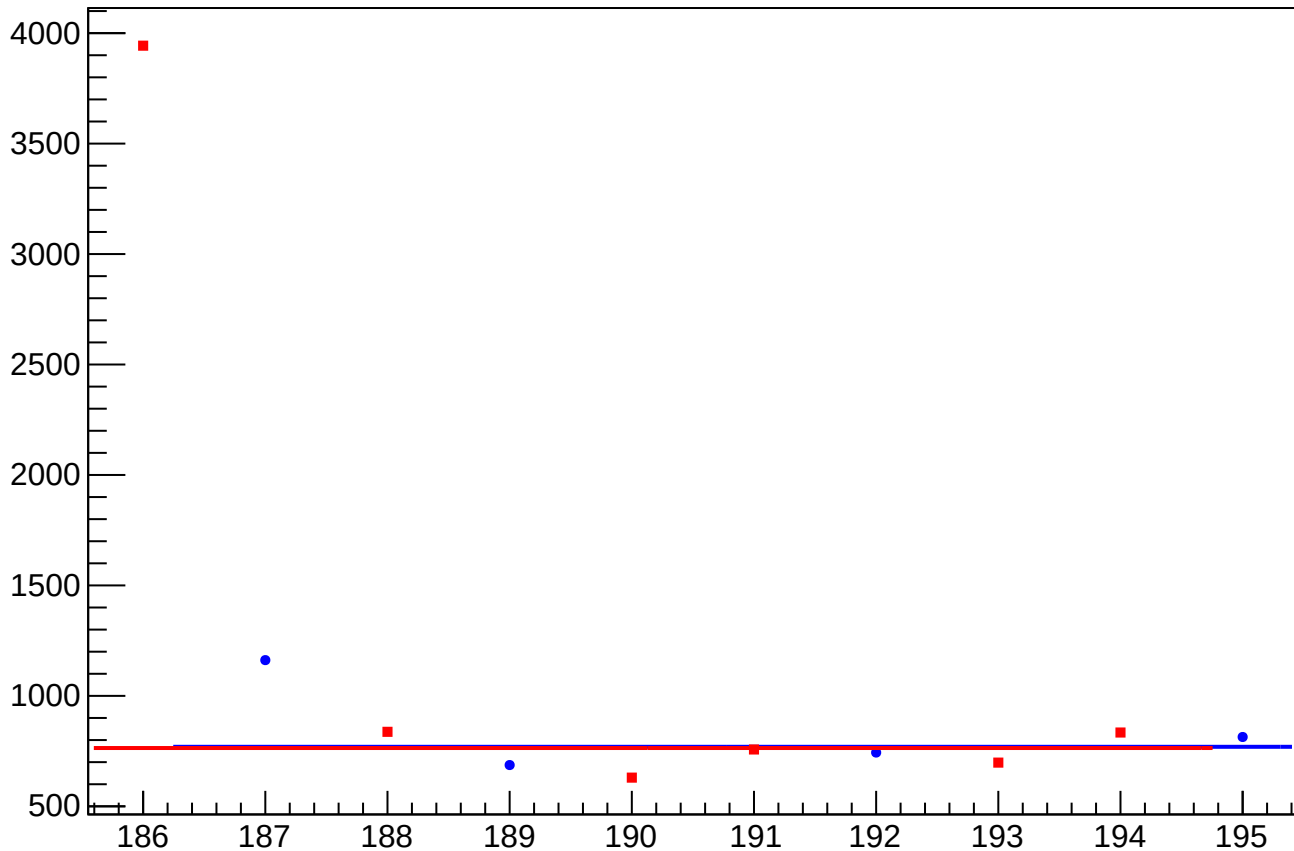
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 342.817 $\pm$ 358.232  $\chi^2$ /NDF: 8.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_13\_57\_dd\_rms vs Slug



Right In: 769.452 $\pm$ 0.402  $\chi^2$ /NDF: 53348.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 763.924 $\pm$ 0.326  $\chi^2$ /NDF: 542207.2/5

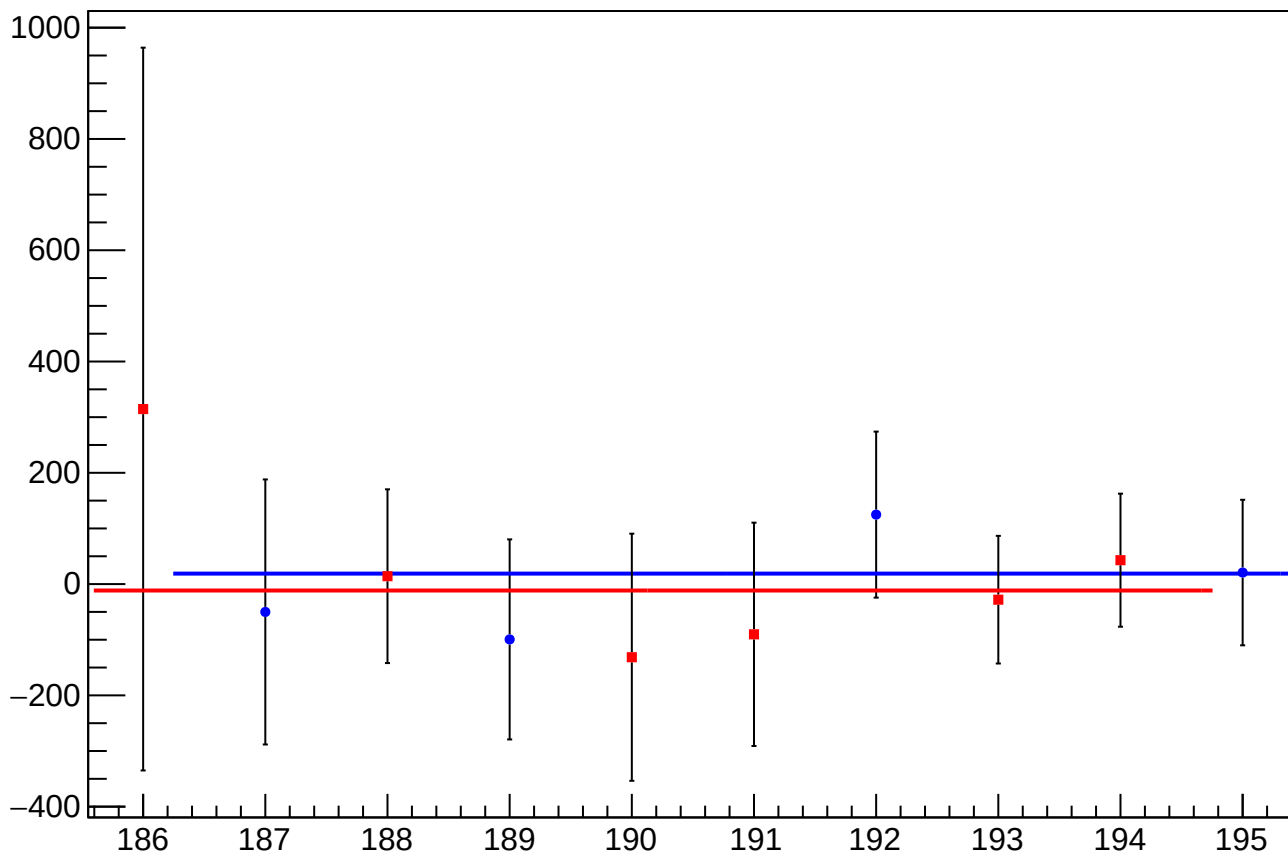
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 766.124 $\pm$ 0.253  $\chi^2$ /NDF: 595669.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_37\_dd\_mean vs Slug



Right In: 18.836 $\pm$ 81.121  $\chi^2$ /NDF: 1.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -11.552 $\pm$ 65.310  $\chi^2$ /NDF: 1.0/5

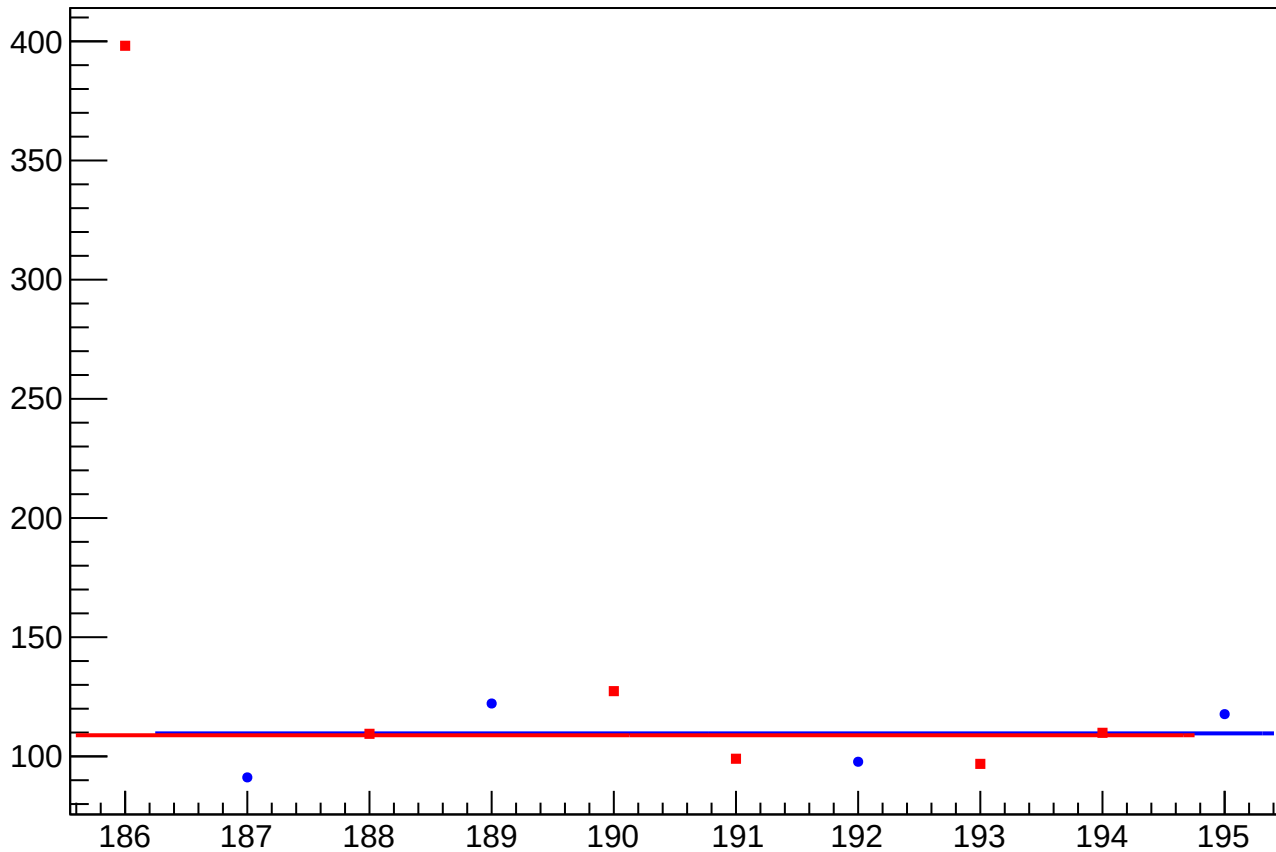
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.399 $\pm$ 50.872  $\chi^2$ /NDF: 2.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_37\_dd\_rms vs Slug



Right In: 109.647 $\pm$ 0.057  $\chi^2$ /NDF: 42109.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 108.864 $\pm$ 0.046  $\chi^2$ /NDF: 437506.2/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

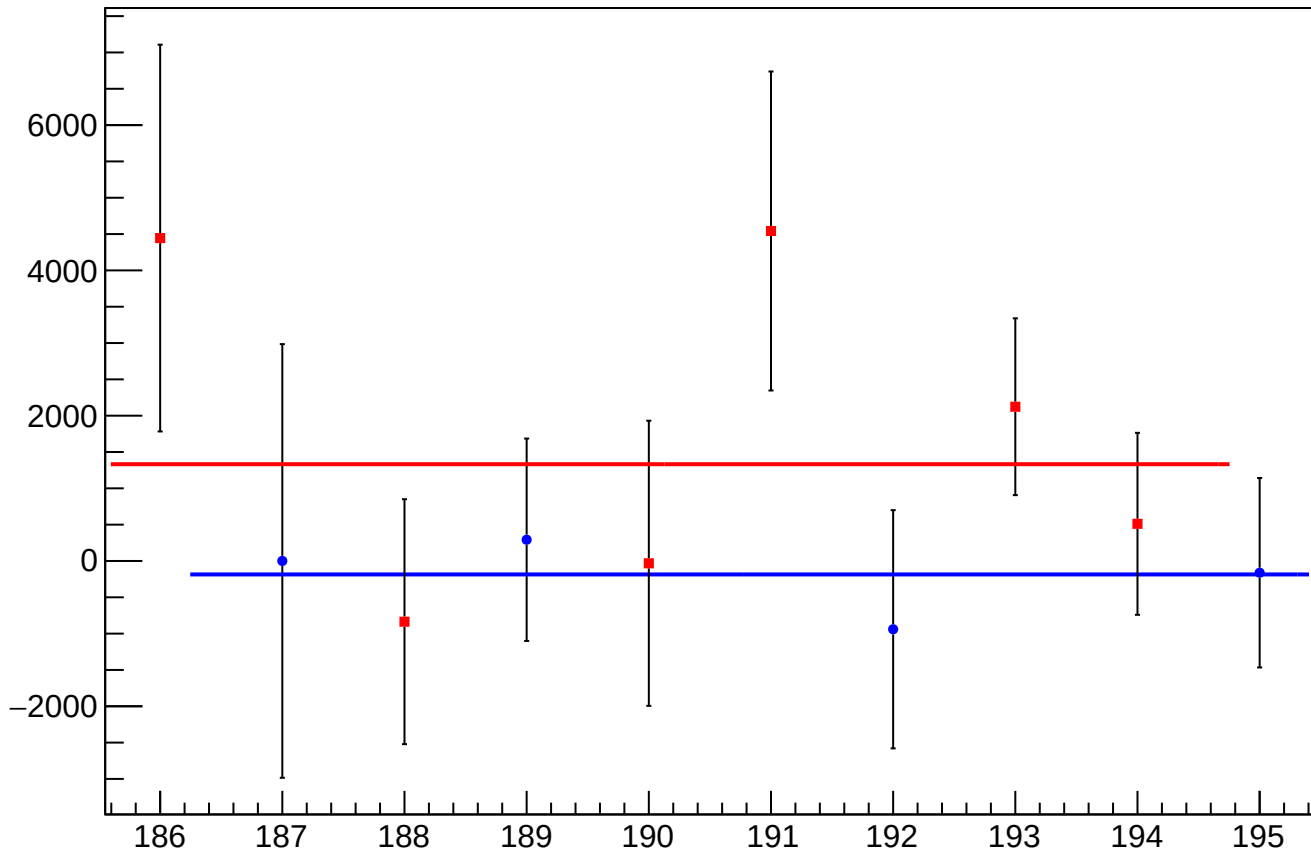
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 109.172 $\pm$ 0.036  $\chi^2$ /NDF: 479728.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_15\_37\_dd\_correction\_mean vs Slug



Right In: -185.261+/-793.690  $\chi^2/\text{NDF}$ : 0.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1331.925+/-663.367  $\chi^2/\text{NDF}$ : 6.5/5

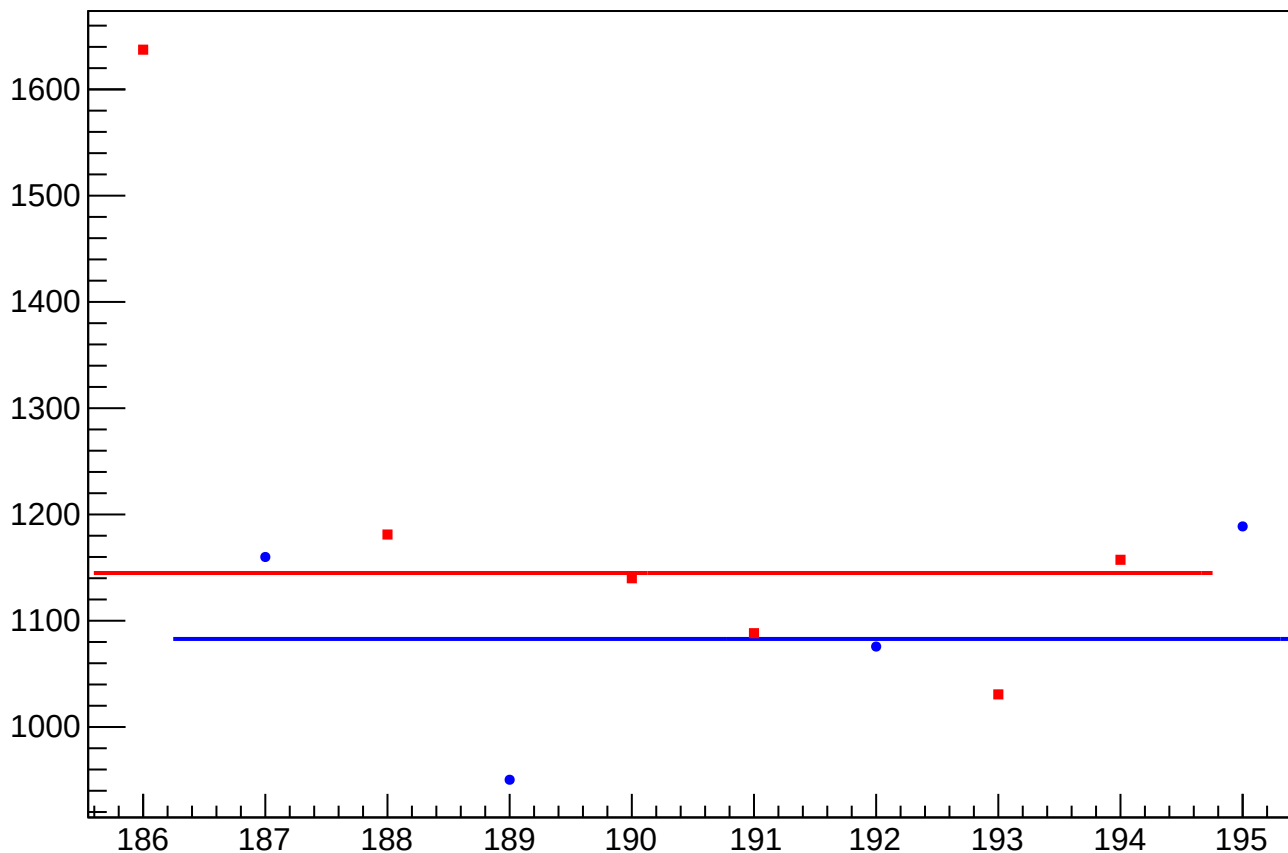
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 707.955+/-508.994  $\chi^2/\text{NDF}$ : 9.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_37\_dd\_correction\_rms vs Slug



Right In: 1082.861 $\pm$ 0.561  $\chi^2$ /NDF: 32652.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1144.922 $\pm$ 0.469  $\chi^2$ /NDF: 88523.3/5

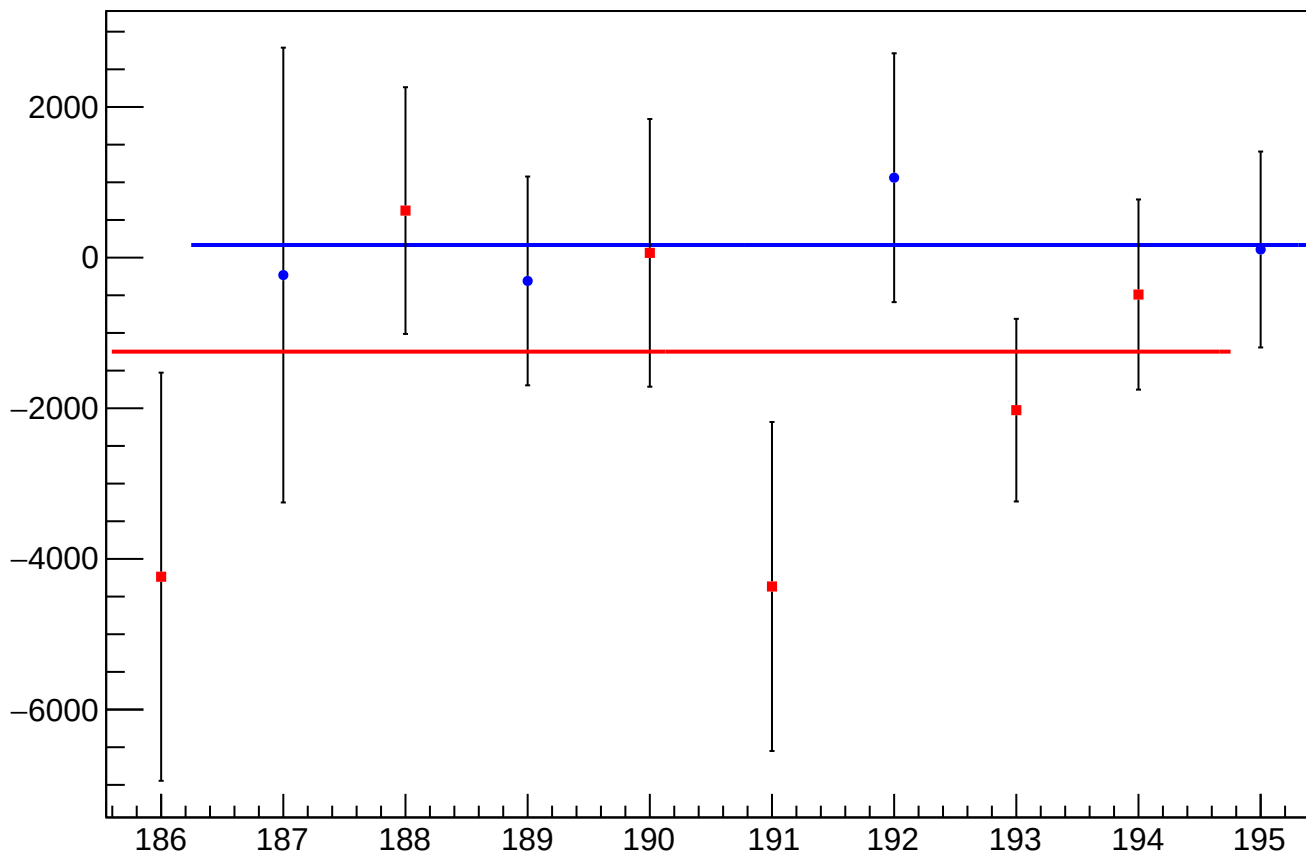
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1119.398 $\pm$ 0.360  $\chi^2$ /NDF: 128374.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_37\_dd\_mean vs Slug



Right In: 167.616 $\pm$ 793.547  $\chi^2$ /NDF: 0.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1248.124 $\pm$ 653.289  $\chi^2$ /NDF: 5.9/5

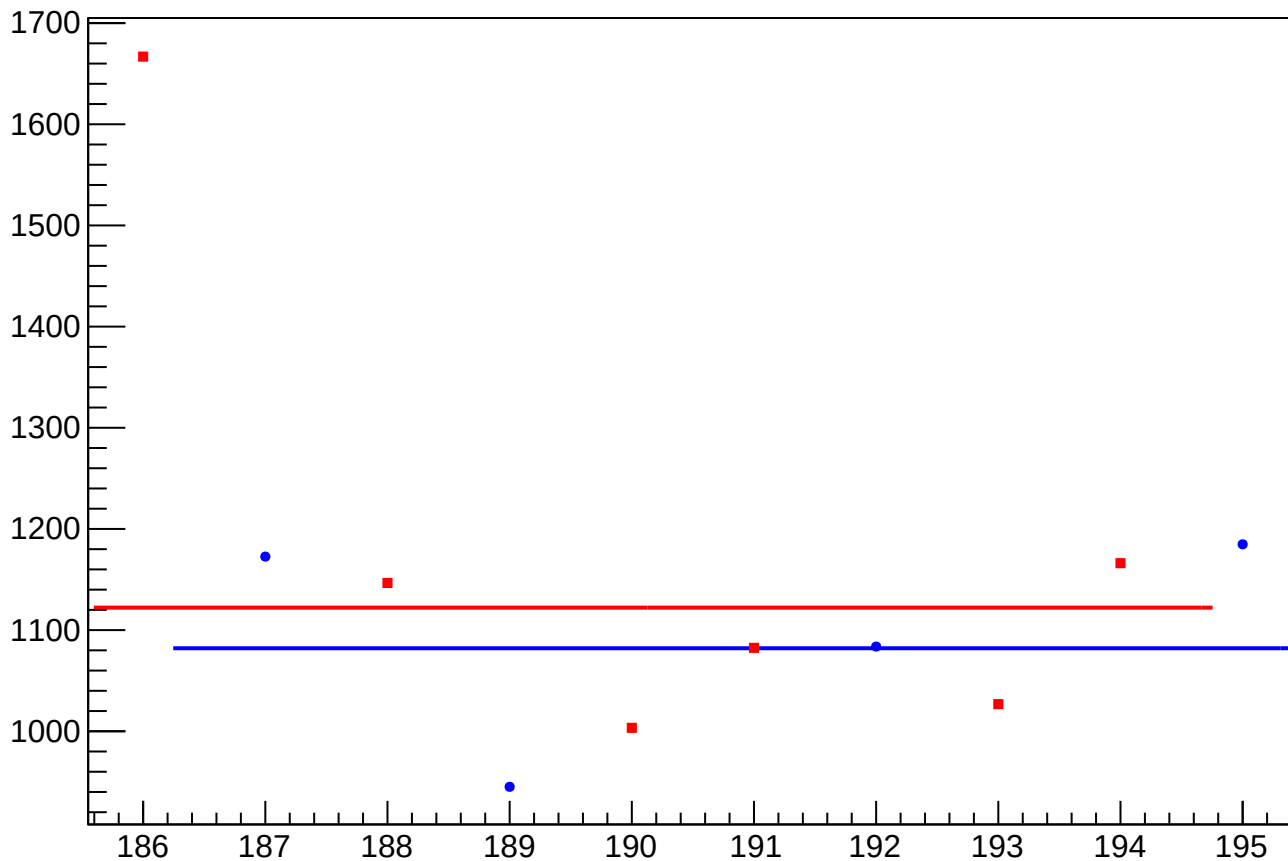
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -676.220 $\pm$ 504.362  $\chi^2$ /NDF: 8.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_37\_dd\_rms vs Slug



Right In: 1082.057 $\pm$ 0.561  $\chi^2$ /NDF: 33817.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1122.226 $\pm$ 0.462  $\chi^2$ /NDF: 105675.0/5

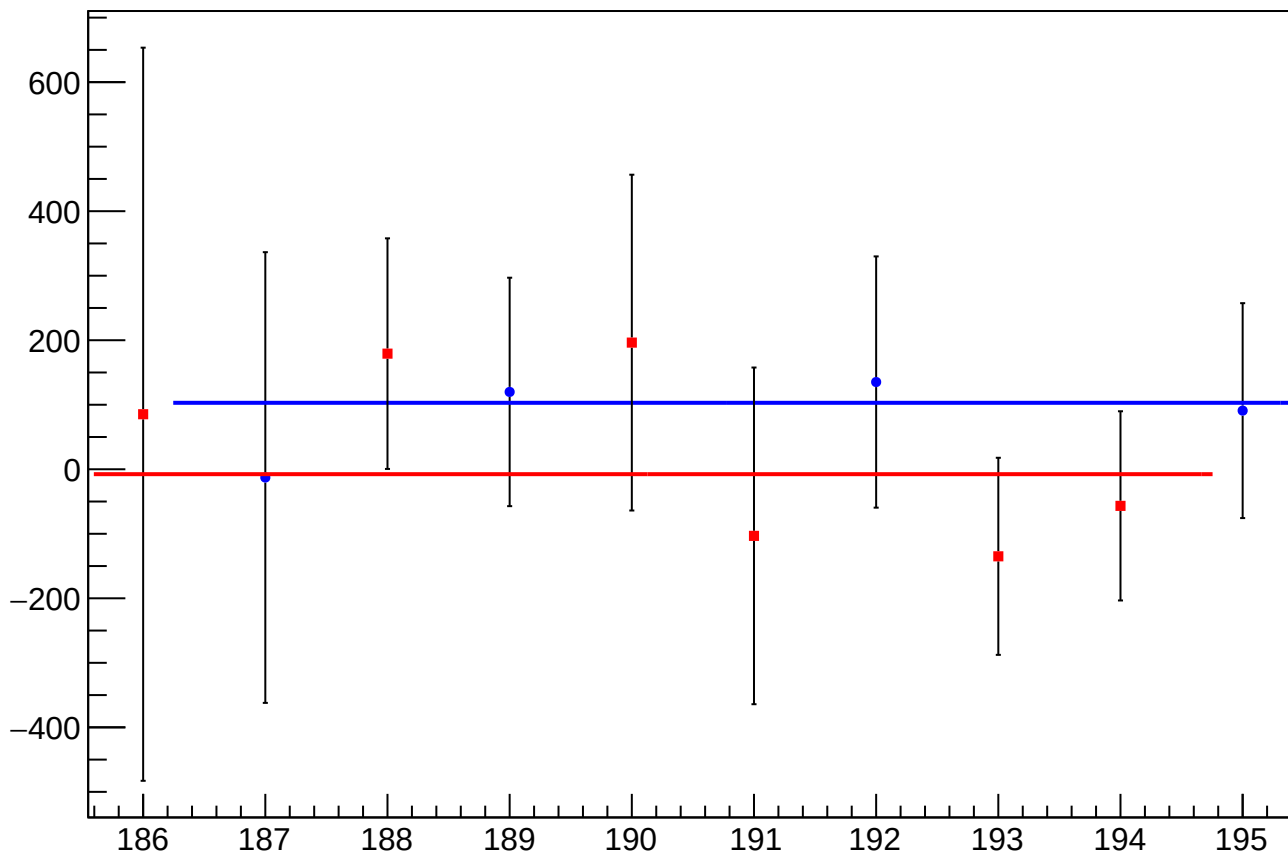
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1105.999 $\pm$ 0.357  $\chi^2$ /NDF: 142546.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_24\_68\_dd\_mean vs Slug



Right In: 103.014 $\pm$ 98.758  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -7.600 $\pm$ 80.780  $\chi^2$ /NDF: 2.7/5

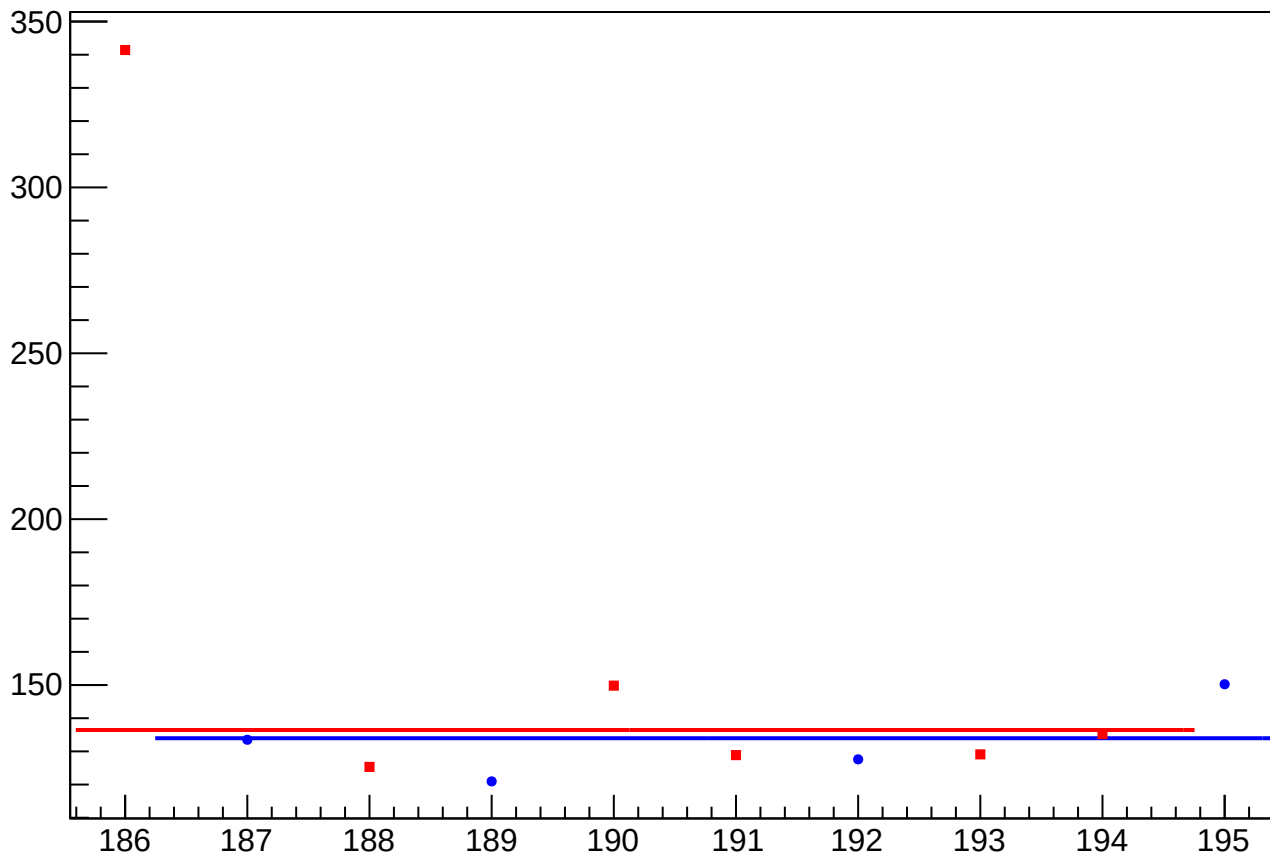
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 36.741 $\pm$ 62.527  $\chi^2$ /NDF: 3.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_24\_68\_dd\_rms vs Slug



Right In: 133.964 $\pm$ 0.070  $\chi^2$ /NDF: 32022.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 136.448 $\pm$ 0.057  $\chi^2$ /NDF: 279813.1/5

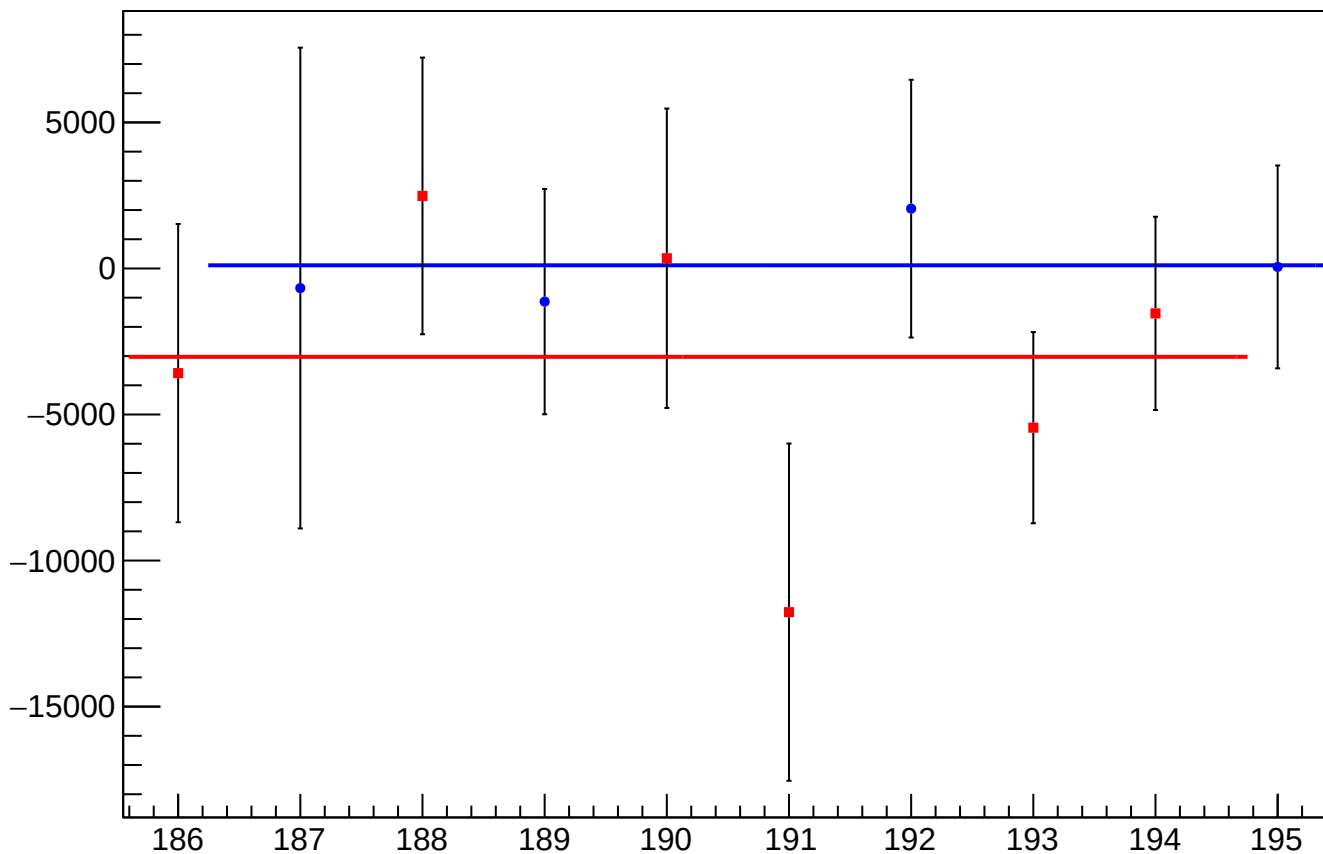
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 135.453 $\pm$ 0.044  $\chi^2$ /NDF: 312593.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_24\_68\_dd\_correction\_mean vs Slug



Right In: 108.359 $\pm$ 2150.147  $\chi^2$ /NDF: 0.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -3025.472 $\pm$ 1725.892  $\chi^2$ /NDF: 4.8/5

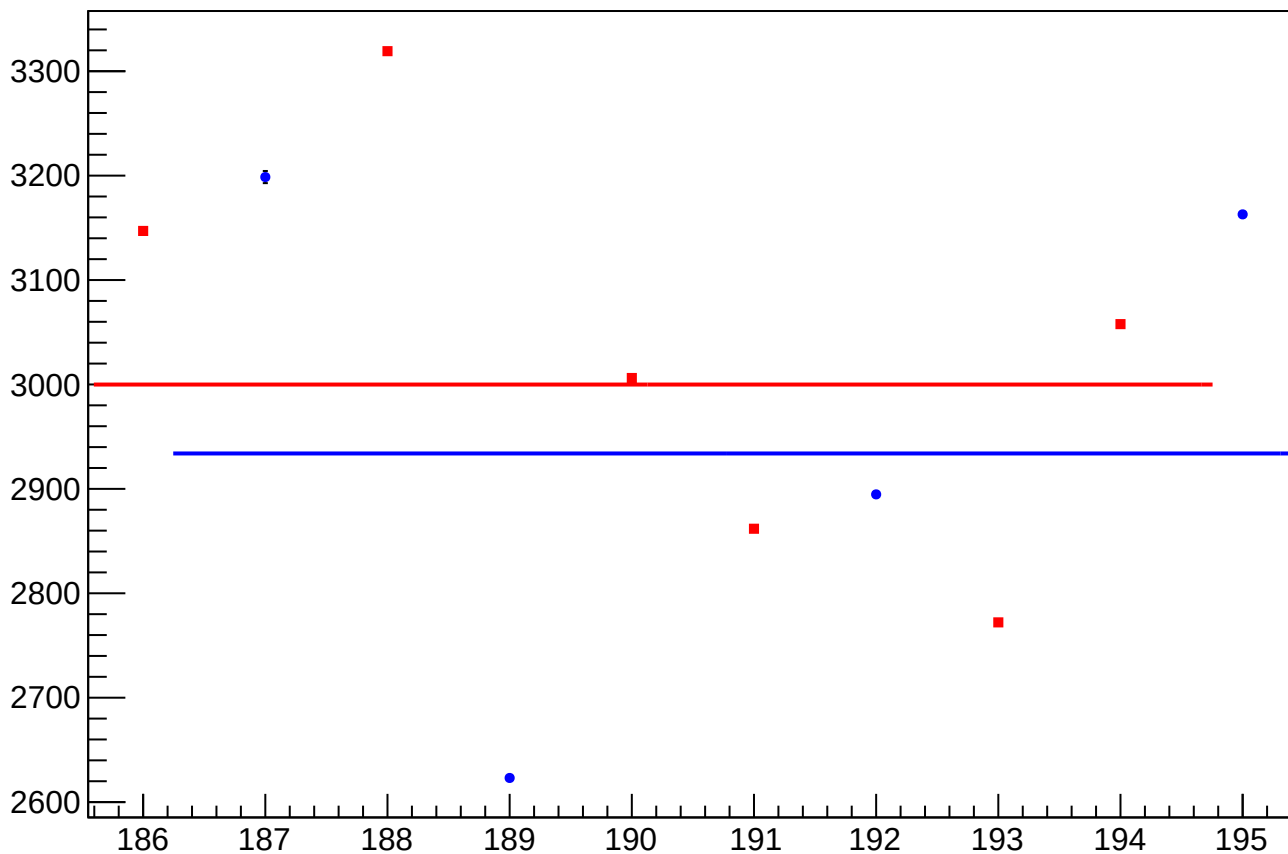
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1797.513 $\pm$ 1345.930  $\chi^2$ /NDF: 6.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_24\_68\_dd\_correction\_rms vs Slug



Right In: 2933.907+/-1.520  $\chi^2/\text{NDF}$ : 23908.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2999.913+/-1.220  $\chi^2/\text{NDF}$ : 22197.0/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

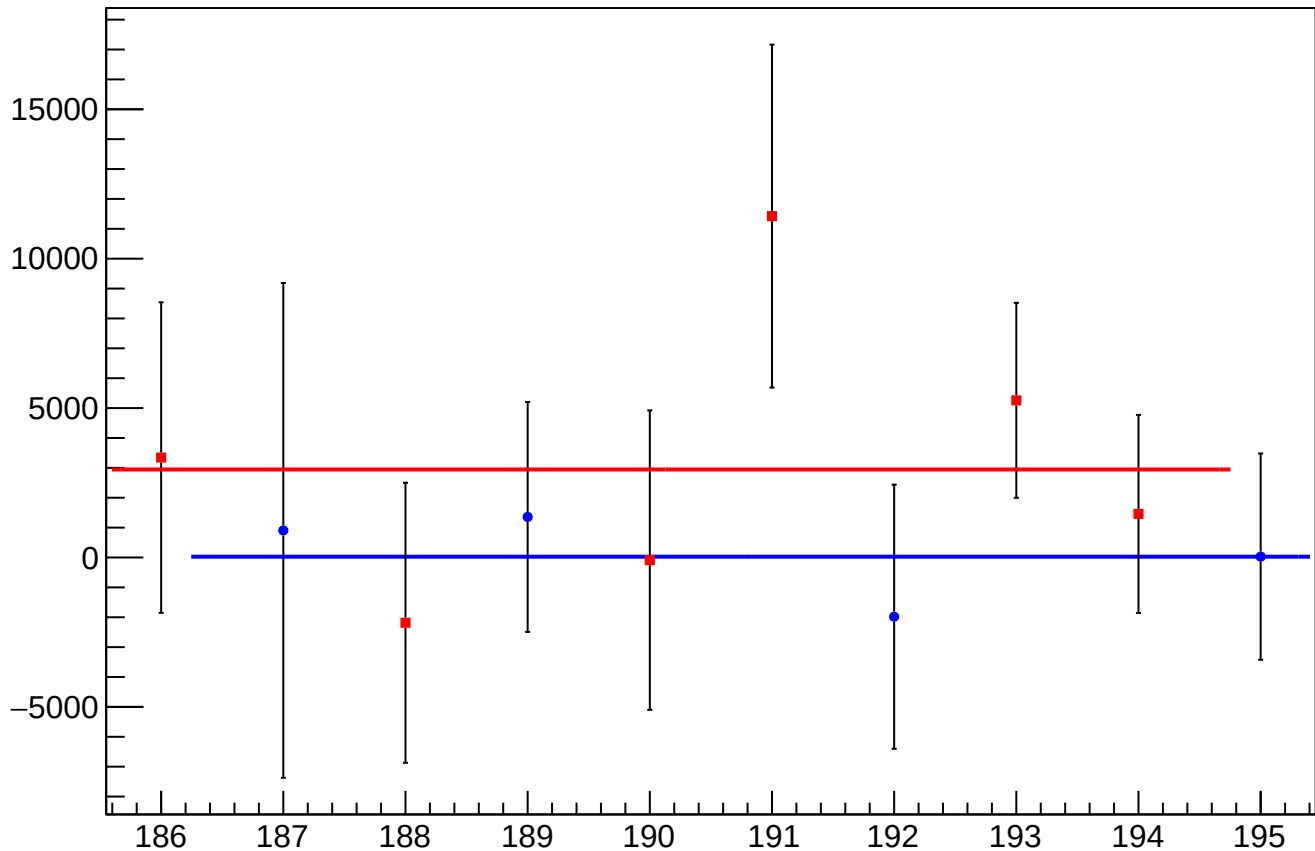
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2974.049+/-0.952  $\chi^2/\text{NDF}$ : 47251.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_24\_68\_dd\_mean vs Slug



Right In: 26.963 $\pm$ 2145.351  $\chi^2$ /NDF: 0.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2945.231 $\pm$ 1720.648  $\chi^2$ /NDF: 4.5/5

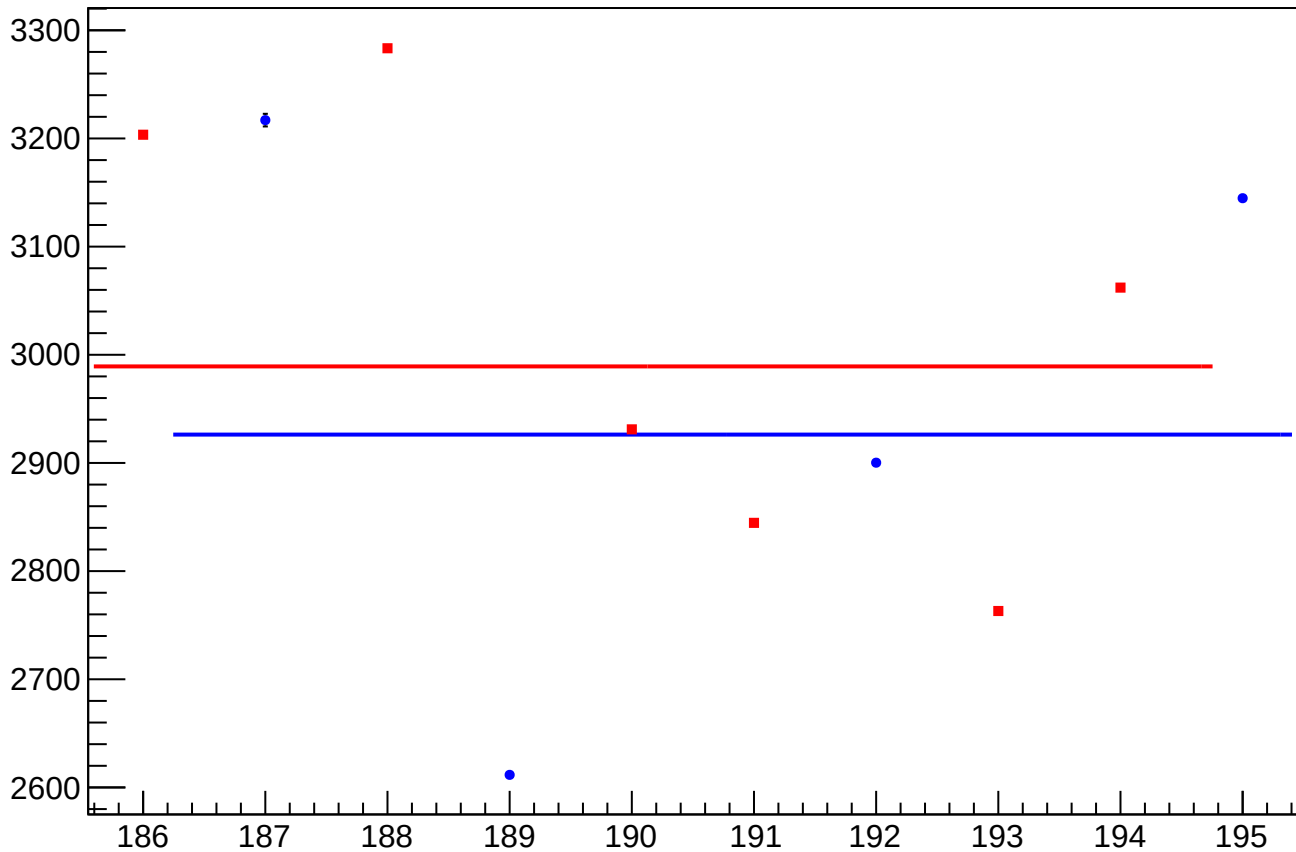
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1802.864 $\pm$ 1342.266  $\chi^2$ /NDF: 5.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_24\_68\_dd\_rms vs Slug



Right In: 2926.215 $\pm$ 1.517  $\chi^2$ /NDF: 23926.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2989.246 $\pm$ 1.217  $\chi^2$ /NDF: 23391.6/5

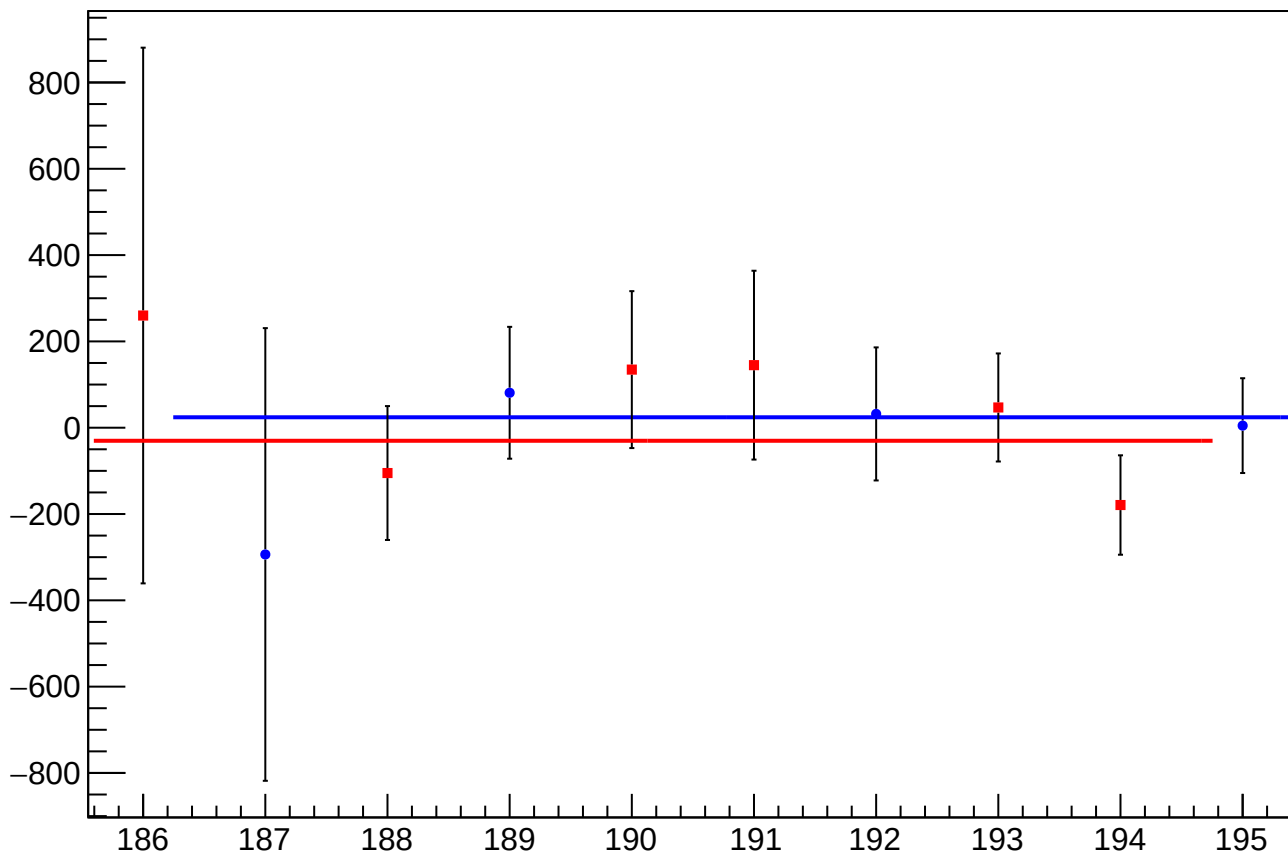
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2964.572 $\pm$ 0.949  $\chi^2$ /NDF: 48368.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_48\_dd\_mean vs Slug



Right In: 24.166 $\pm$ 76.370  $\chi^2$ /NDF: 0.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -30.276 $\pm$ 65.307  $\chi^2$ /NDF: 4.0/5

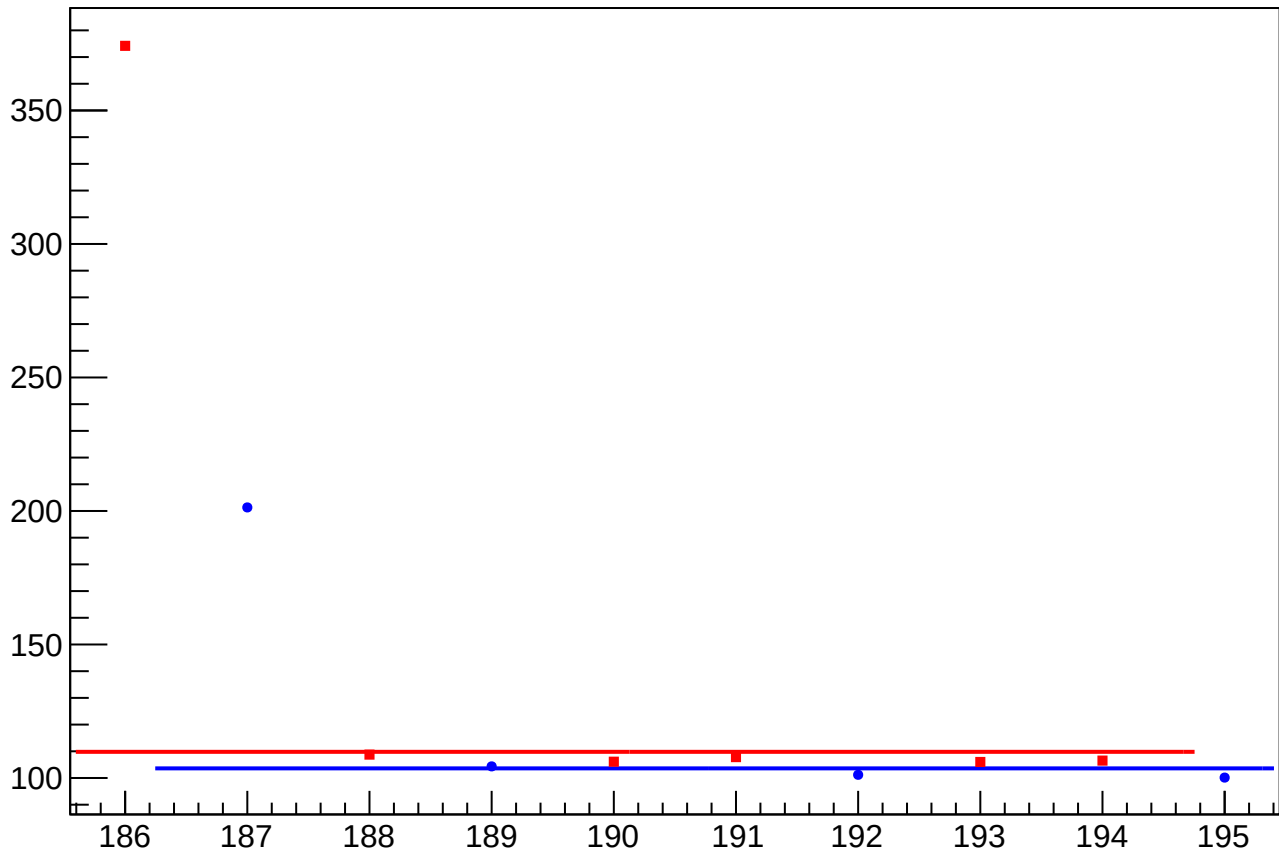
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.281 $\pm$ 49.634  $\chi^2$ /NDF: 4.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_48\_dd\_rms vs Slug



Right In: 103.602 $\pm$ 0.054  $\chi^2$ /NDF: 71949.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 109.798 $\pm$ 0.046  $\chi^2$ /NDF: 367471.7/5

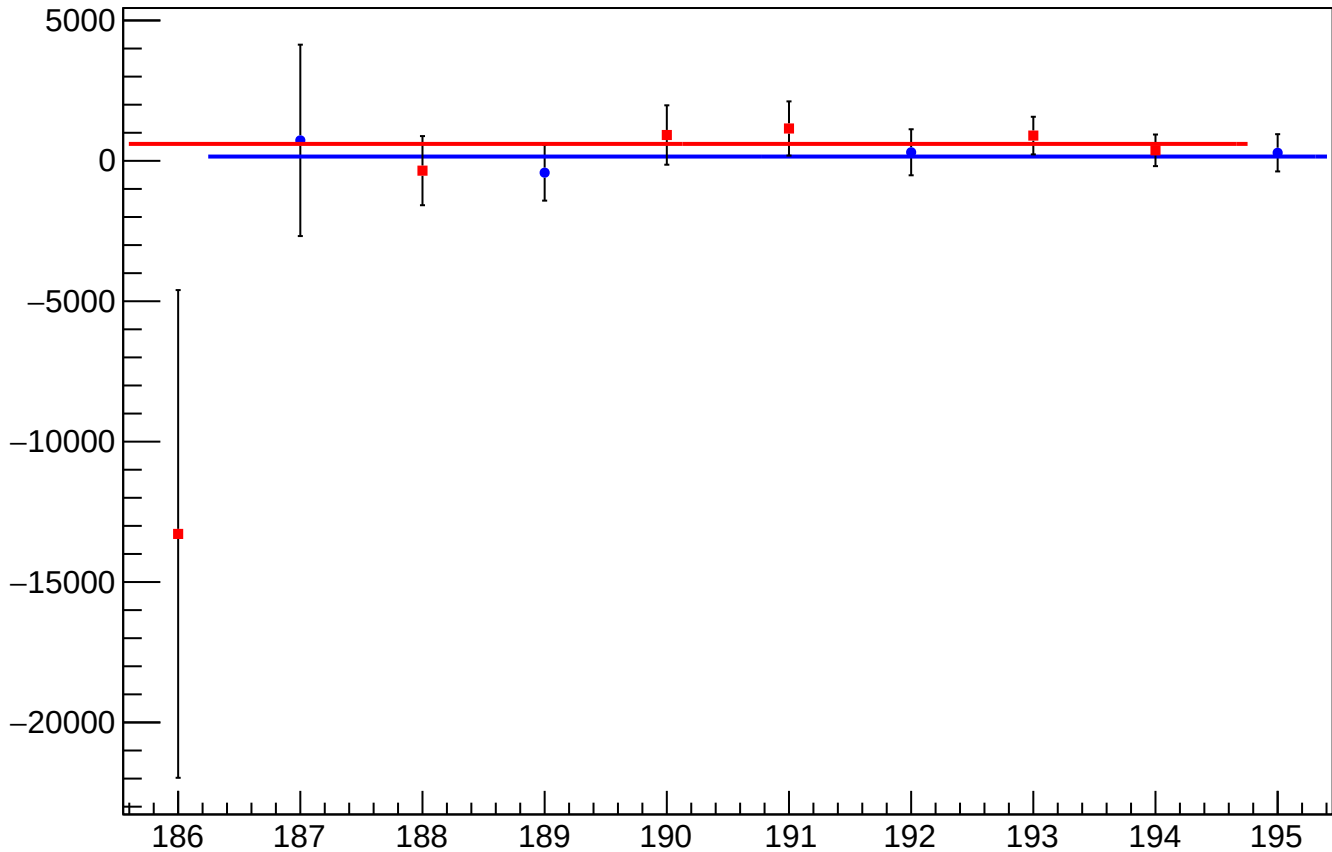
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 107.181 $\pm$ 0.035  $\chi^2$ /NDF: 447026.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_48\_dd\_correction\_mean vs Slug



Right In: 153.015+/-453.784  $\chi^2/\text{NDF}$ : 0.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 603.387+/-353.039  $\chi^2/\text{NDF}$ : 3.9/5

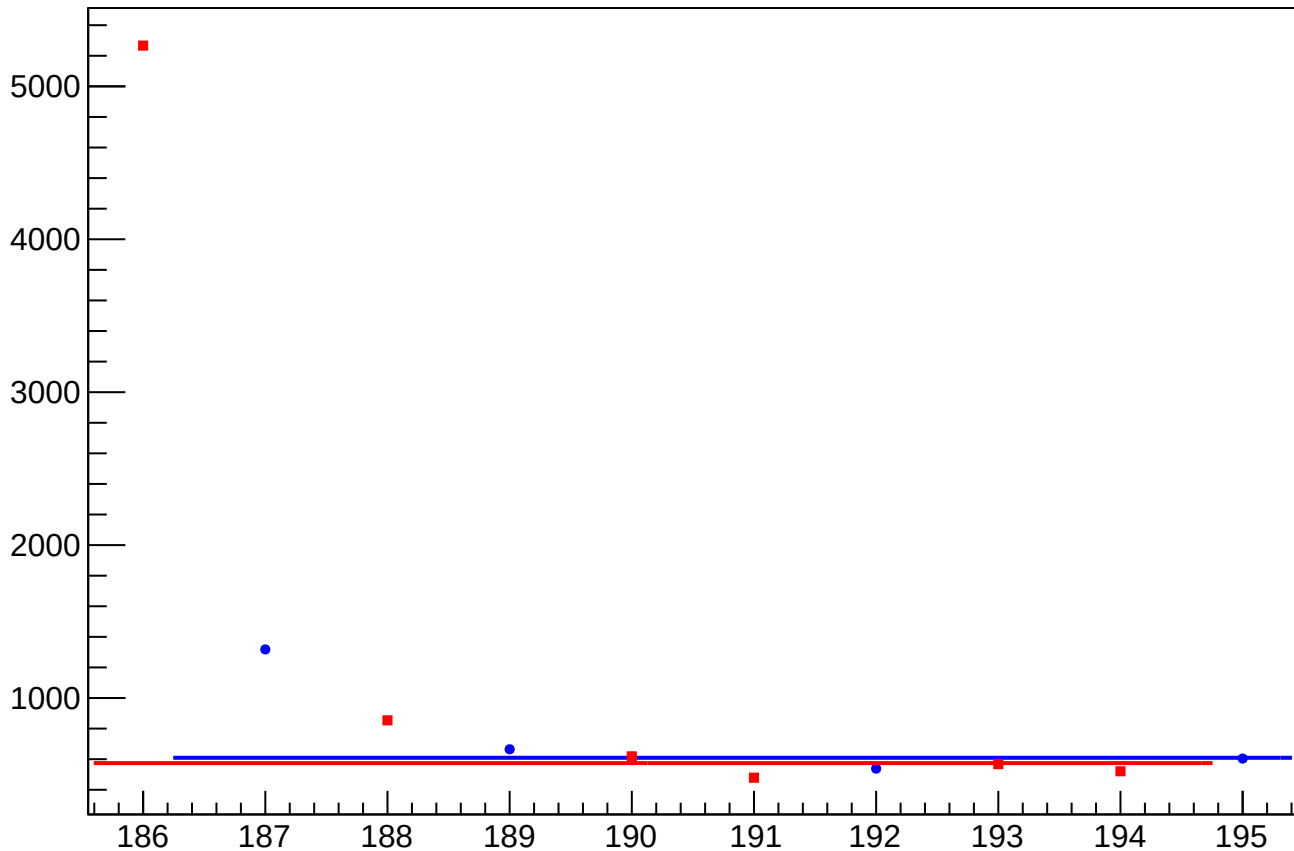
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 433.574+/-278.644  $\chi^2/\text{NDF}$ : 5.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_48\_dd\_correction\_rms vs Slug



Right In: 609.160 $\pm$ 0.321  $\chi^2$ /NDF: 107866.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 574.417 $\pm$ 0.250  $\chi^2$ /NDF: 728269.0/5

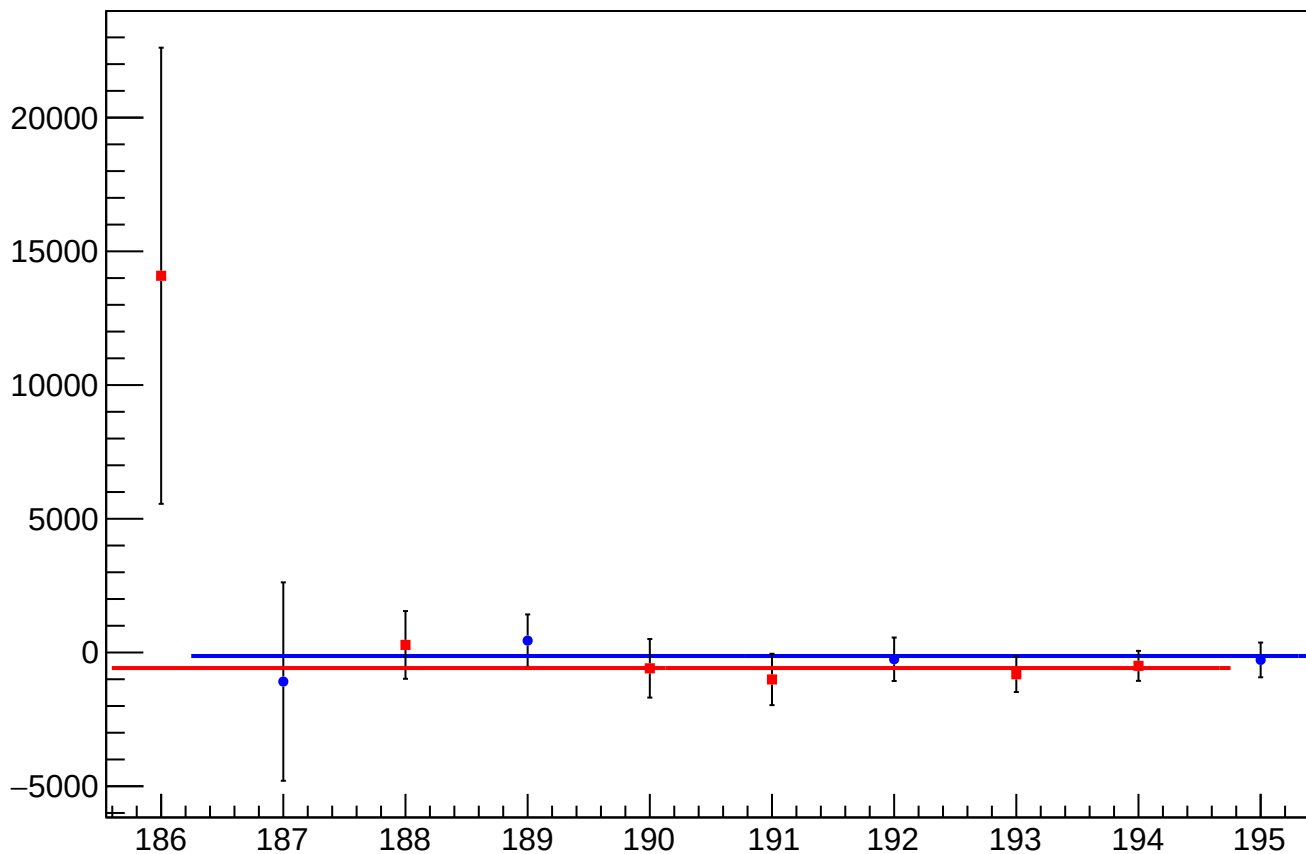
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 587.517 $\pm$ 0.197  $\chi^2$ /NDF: 843439.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_48\_dd\_mean vs Slug



Right In: -131.057+/-447.348  $\chi^2/\text{NDF}$ : 0.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -580.696+/-353.347  $\chi^2/\text{NDF}$ : 3.8/5

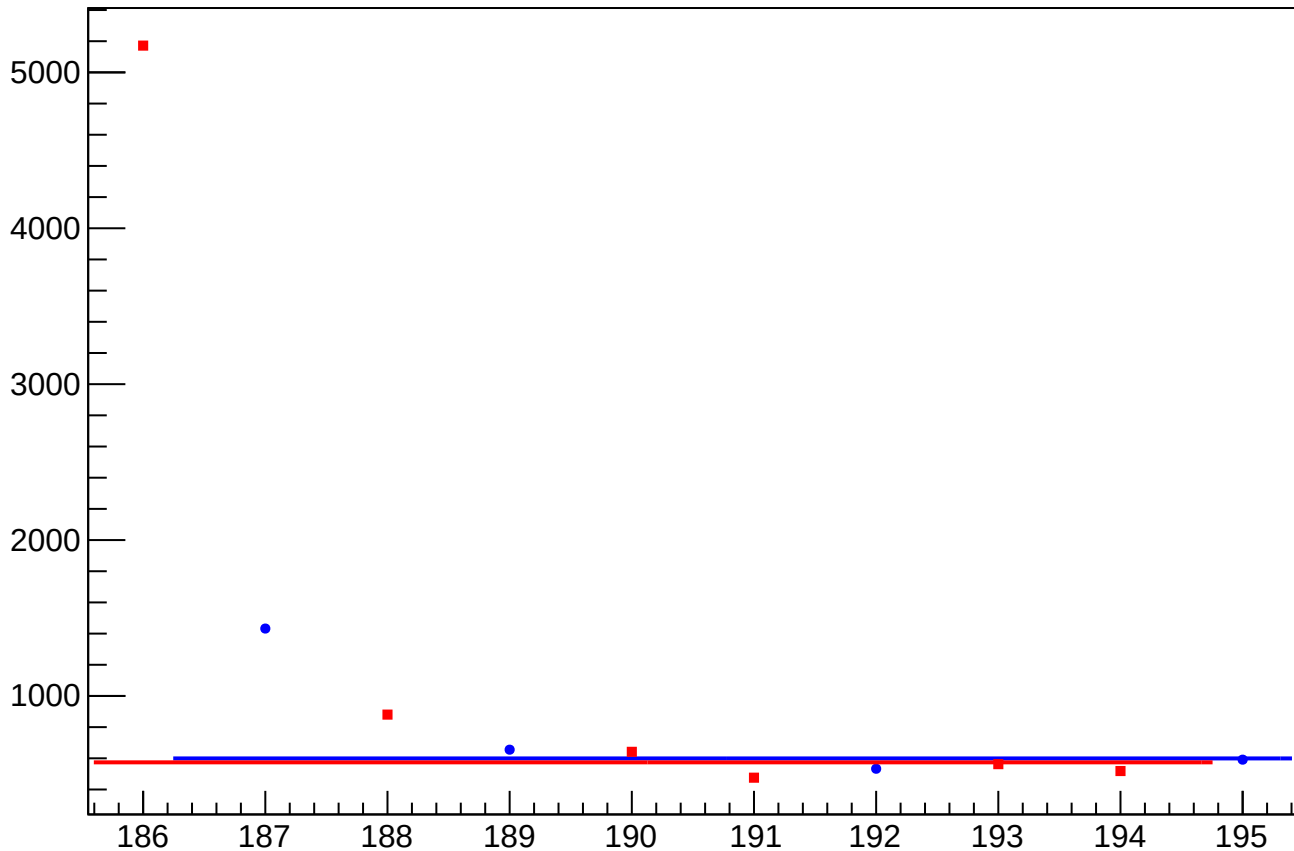
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -407.946+/-277.283  $\chi^2/\text{NDF}$ : 4.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_48\_dd\_rms vs Slug



Right In: 599.289 $\pm$ 0.316  $\chi^2$ /NDF: 121002.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 574.138 $\pm$ 0.250  $\chi^2$ /NDF: 747183.4/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

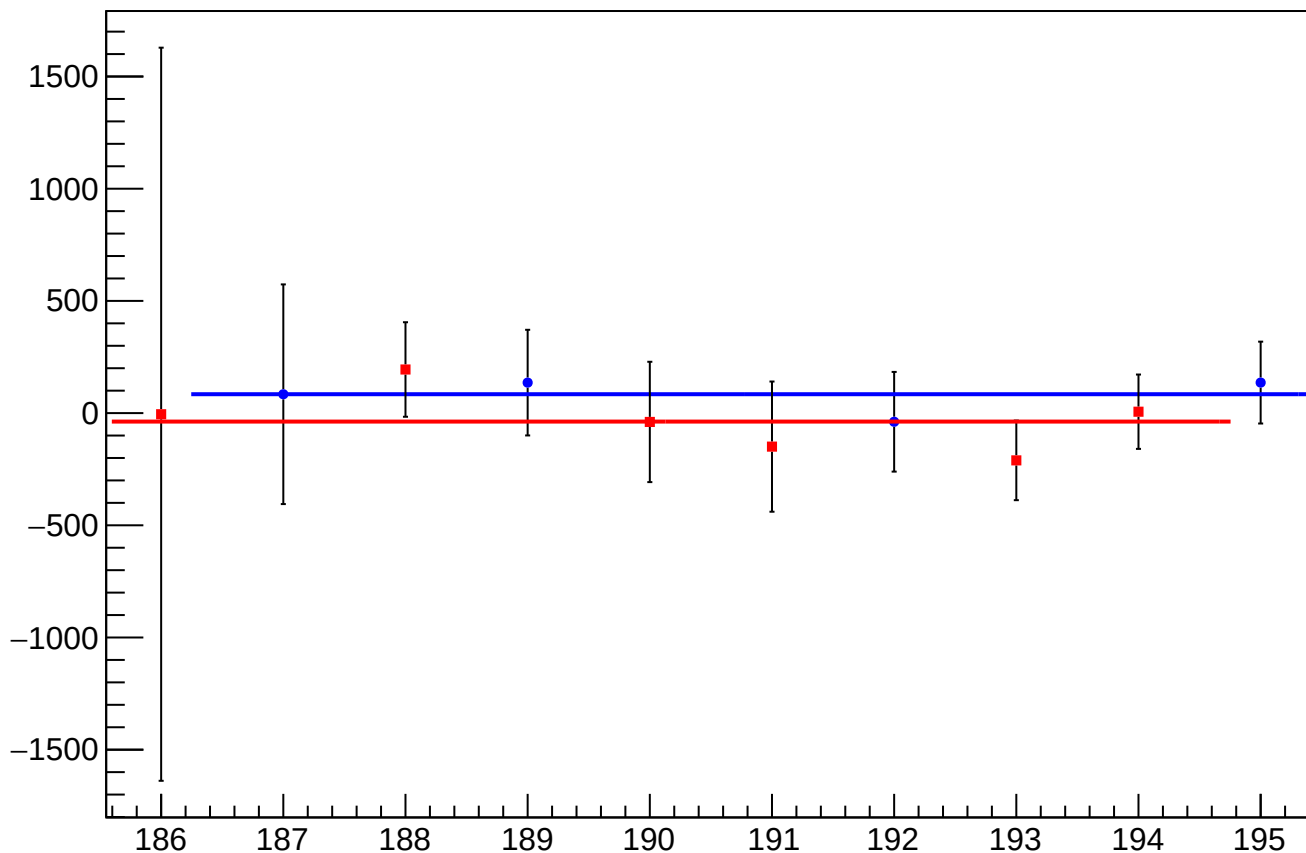
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 583.801 $\pm$ 0.196  $\chi^2$ /NDF: 872079.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_sam\_1548\_avg\_mean vs Slug



Right In: 84.195+/-117.414  $\chi^2/\text{NDF}$ : 0.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -37.763+/-92.482  $\chi^2/\text{NDF}$ : 2.4/5

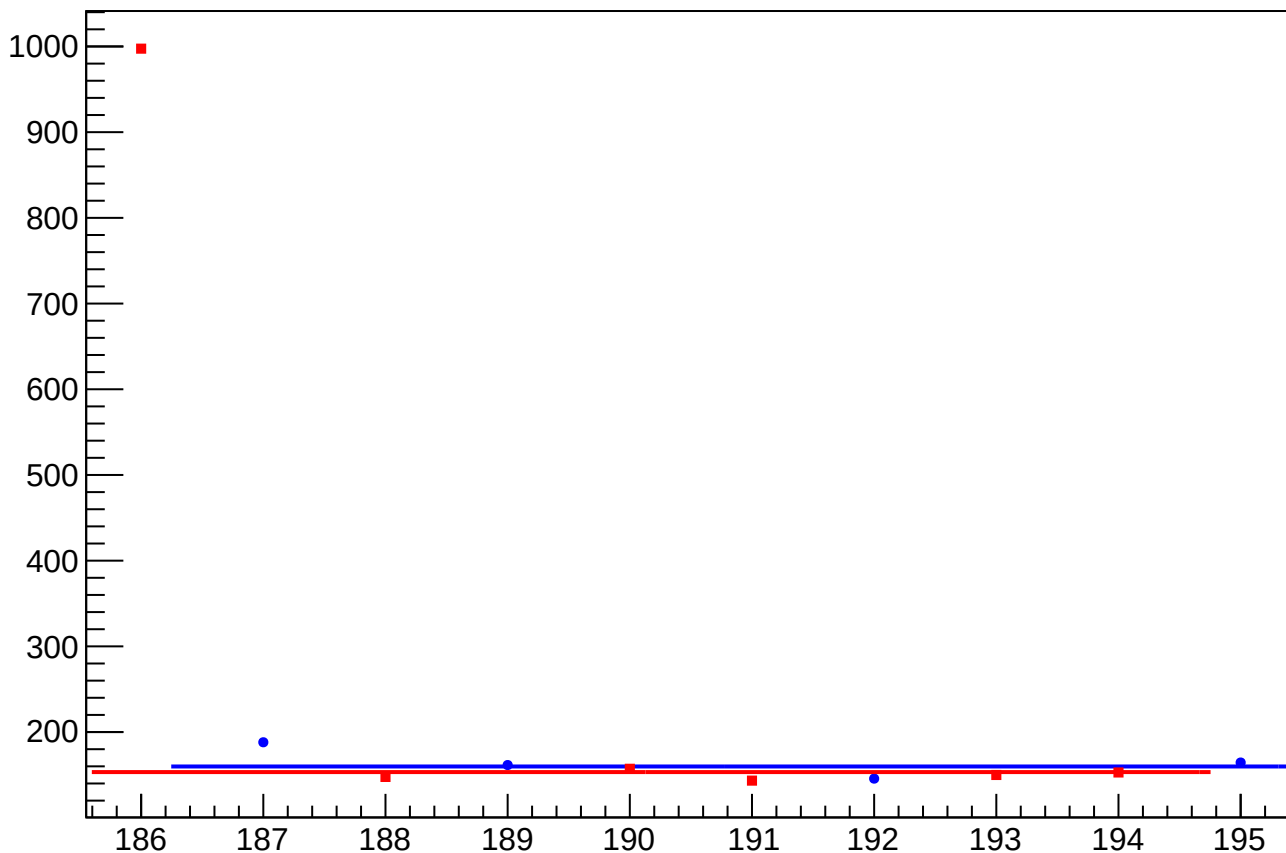
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.931+/-72.652  $\chi^2/\text{NDF}$ : 3.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1548\_avg\_rms vs Slug



Right In: 159.837 $\pm$ 0.083  $\chi^2$ /NDF: 16179.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 153.300 $\pm$ 0.065  $\chi^2$ /NDF: 539005.6/5

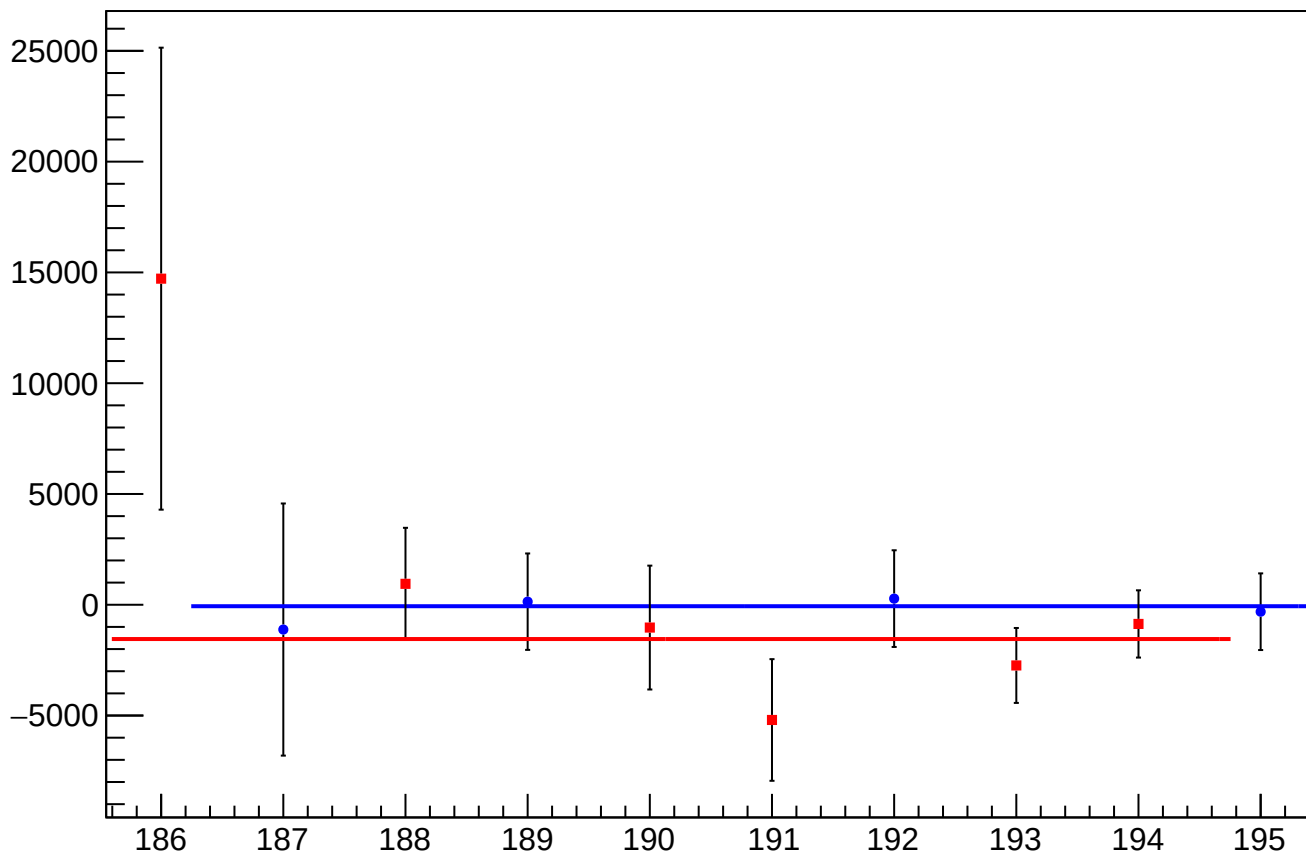
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 155.803 $\pm$ 0.051  $\chi^2$ /NDF: 559011.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

asym\_sam\_1548\_avg\_correction\_mean vs Slug



Right In: -65.769 $\pm$ 1127.735  $\chi^2/\text{NDF}$ : 0.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1547.183 $\pm$ 909.122  $\chi^2/\text{NDF}$ : 5.9/5

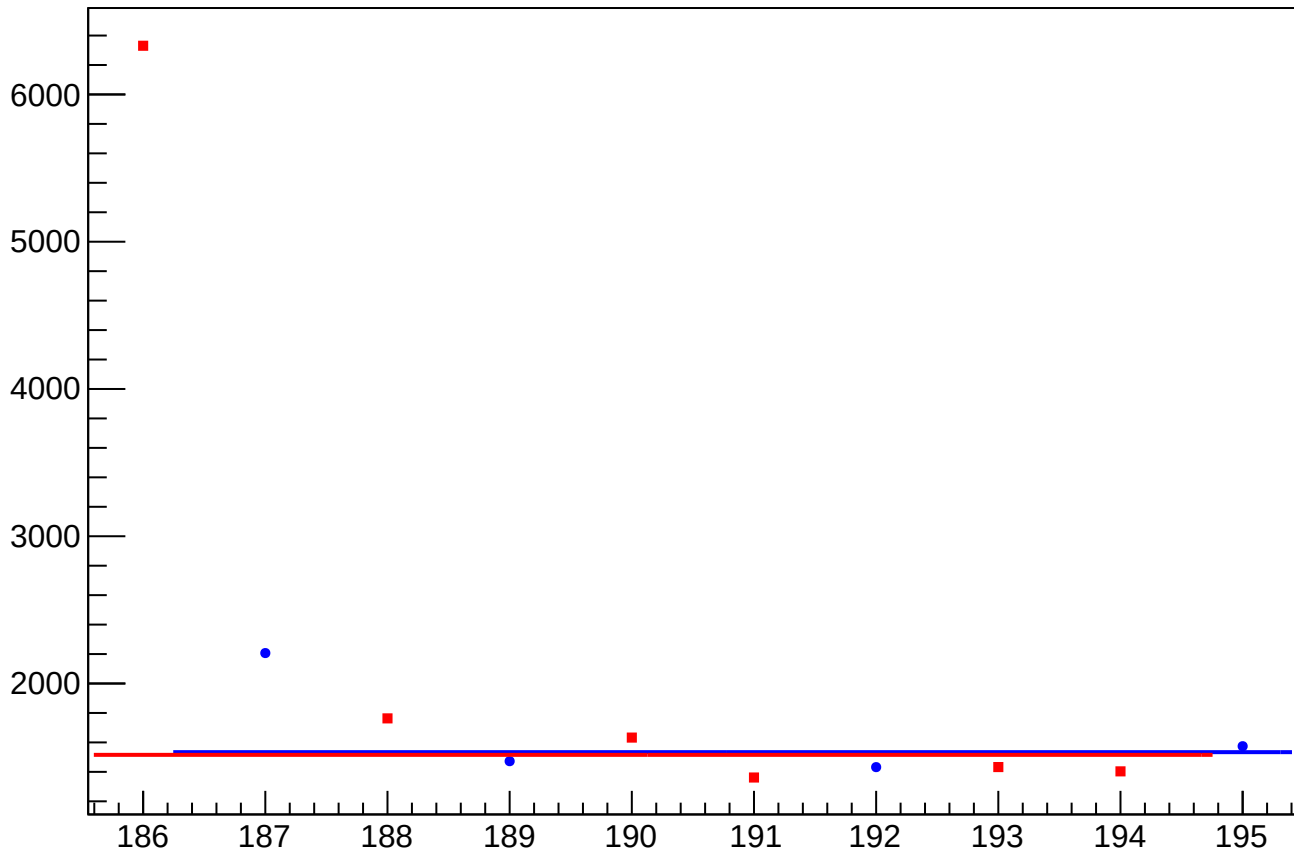
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -963.664 $\pm$ 707.777  $\chi^2/\text{NDF}$ : 7.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1548\_avg\_correction\_rms vs Slug



Right In: 1533.850+/-0.797  $\chi^2/\text{NDF}$ : 34994.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1515.536+/-0.643  $\chi^2/\text{NDF}$ : 471305.9/5

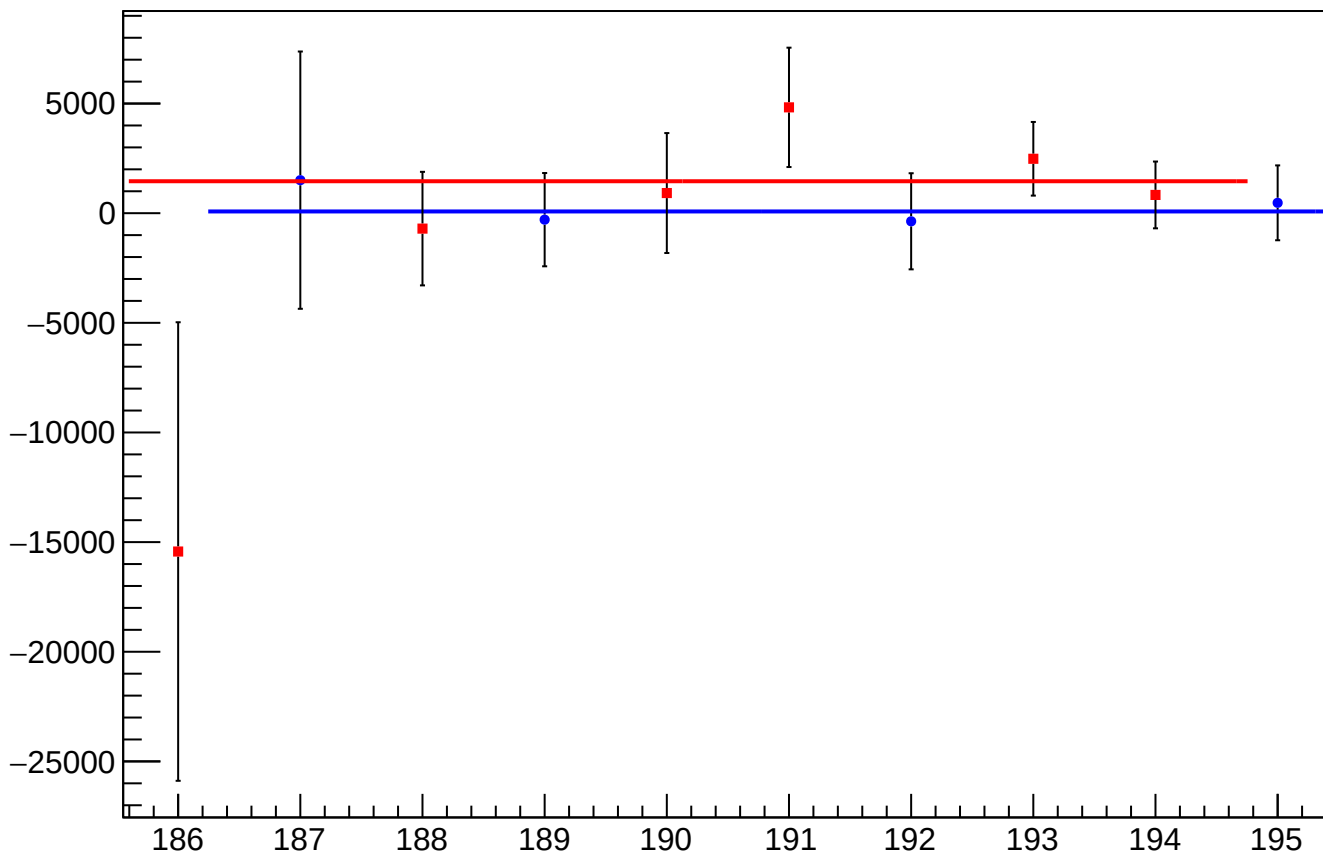
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1522.750+/-0.500  $\chi^2/\text{NDF}$ : 506620.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1548\_avg\_mean vs Slug



Right In: 79.356+/-1116.986  $\chi^2/\text{NDF}$ : 0.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1456.998+/-908.059  $\chi^2/\text{NDF}$ : 5.4/5

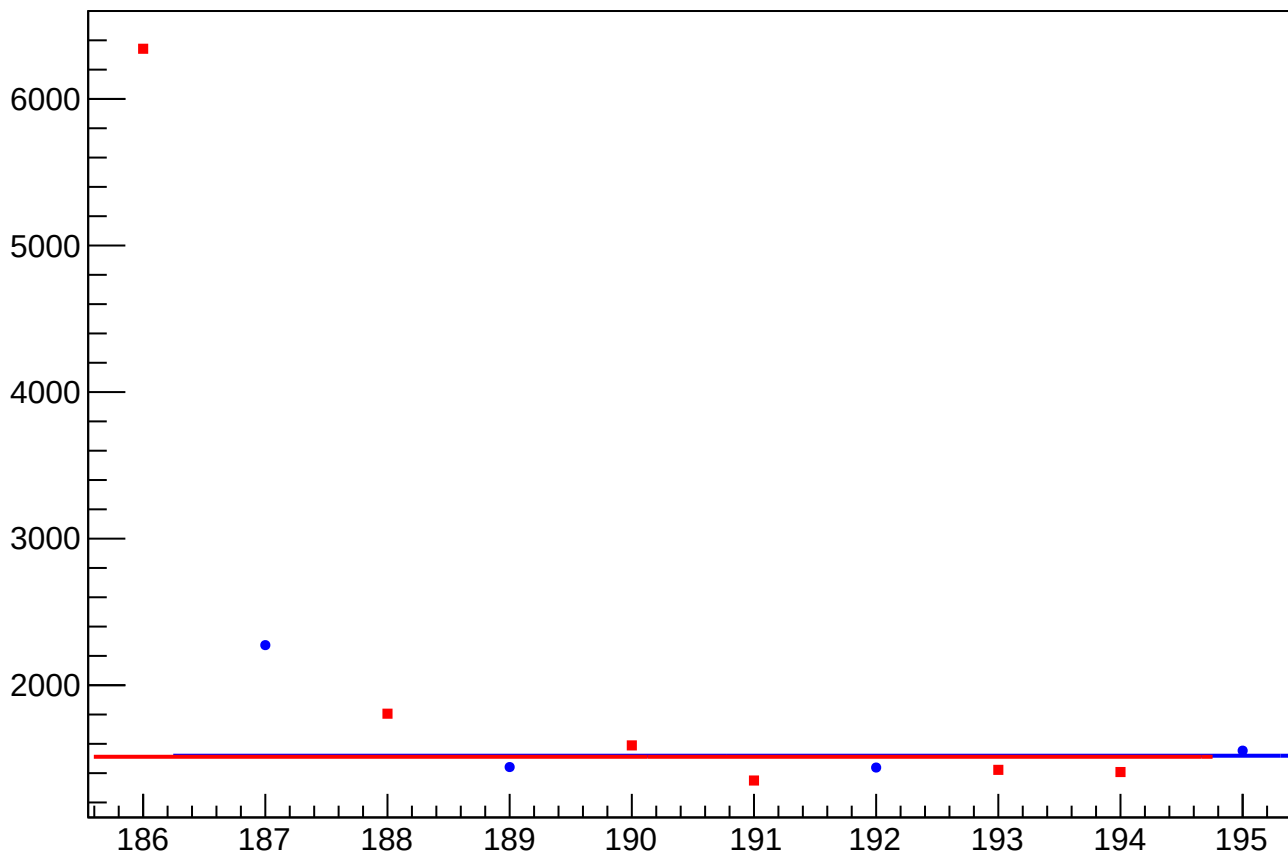
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 908.814+/-704.600  $\chi^2/\text{NDF}$ : 6.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1548\_avg\_rms vs Slug



Right In: 1518.872 $\pm$ 0.790  $\chi^2$ /NDF: 39265.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1511.738 $\pm$ 0.642  $\chi^2$ /NDF: 476398.1/5

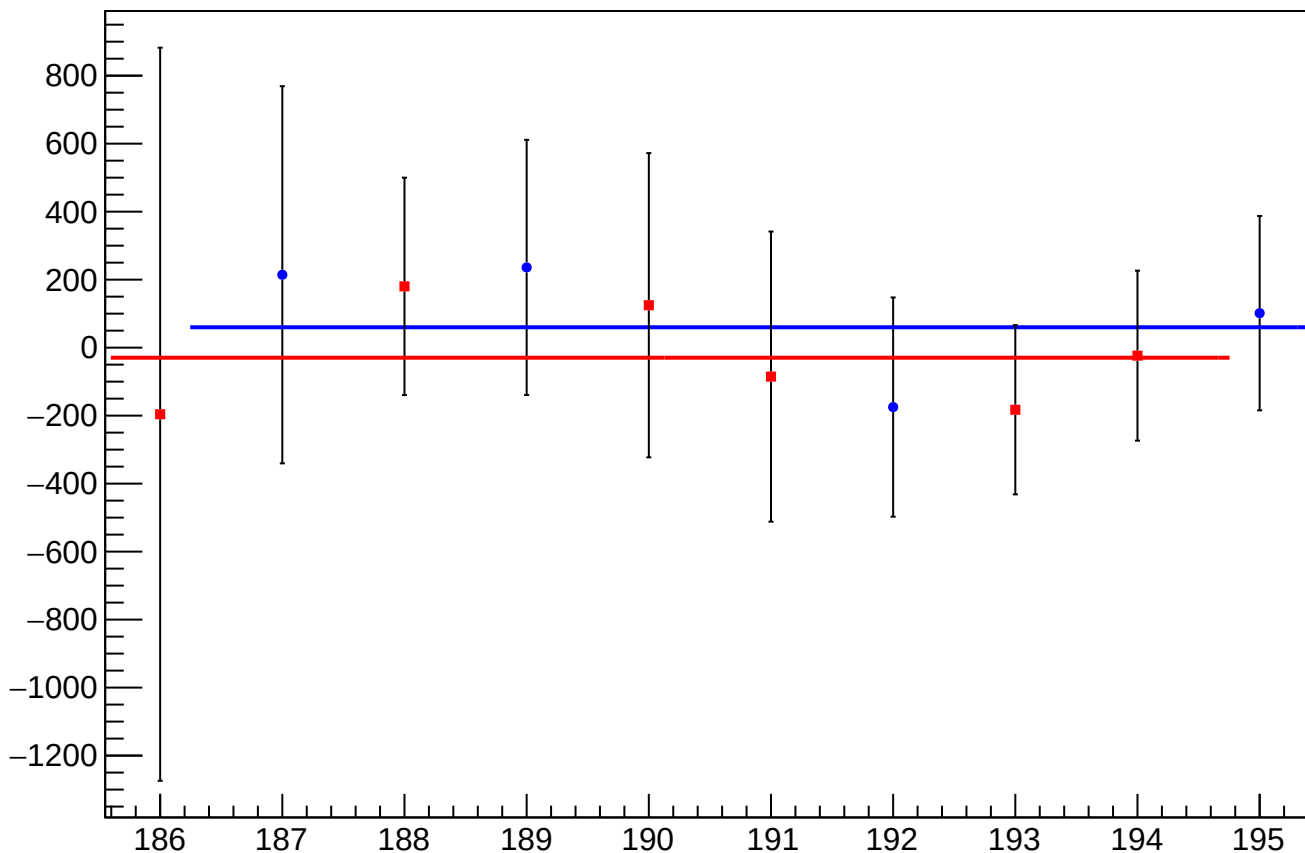
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1514.576 $\pm$ 0.498  $\chi^2$ /NDF: 515712.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_sam\_3748\_avg\_mean vs Slug



Right In: 59.973+/-176.224  $\chi^2/\text{NDF}$ : 0.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -29.623+/-137.029  $\chi^2/\text{NDF}$ : 1.0/5

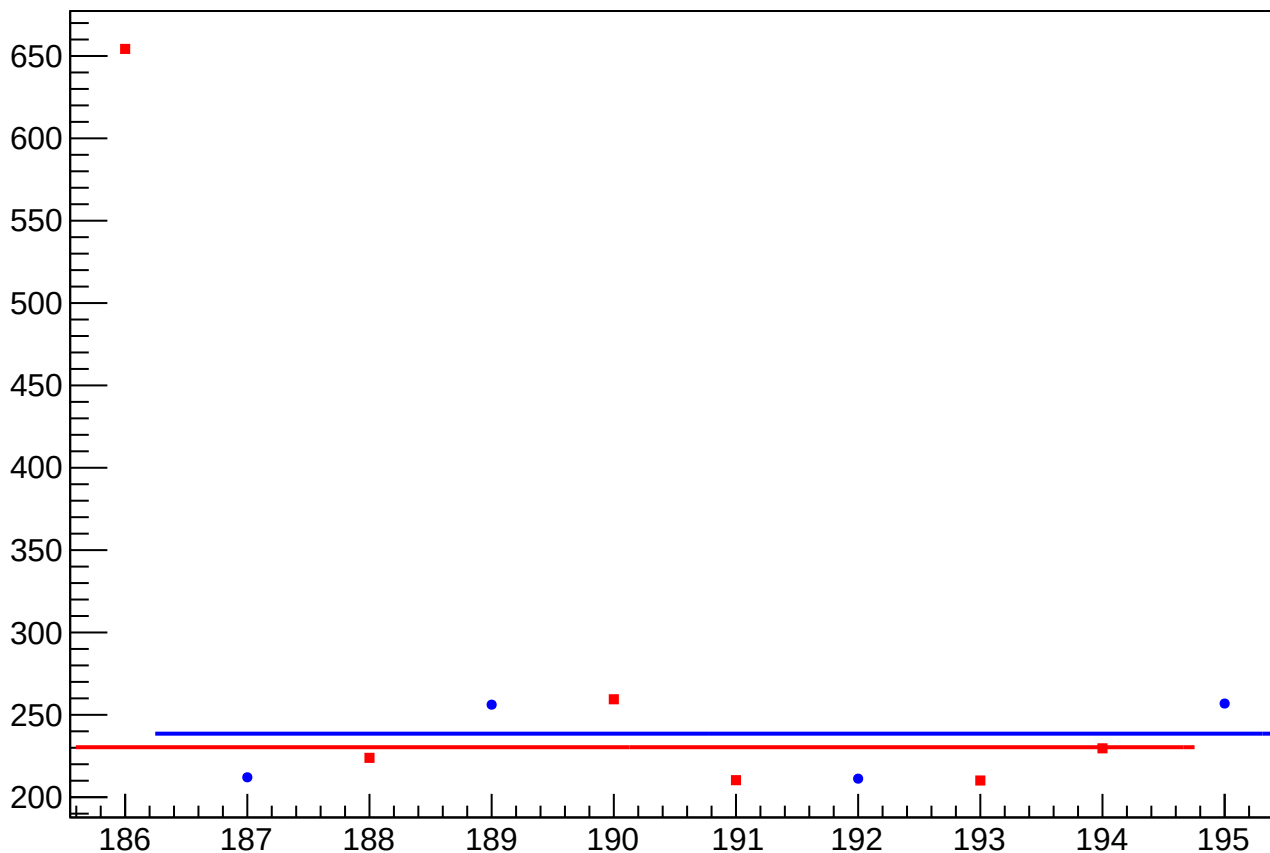
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.138+/-108.174  $\chi^2/\text{NDF}$ : 2.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_3748\_avg\_rms vs Slug



Right In: 238.569 $\pm$ 0.125  $\chi^2$ /NDF: 31496.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 230.341 $\pm$ 0.097  $\chi^2$ /NDF: 336052.3/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

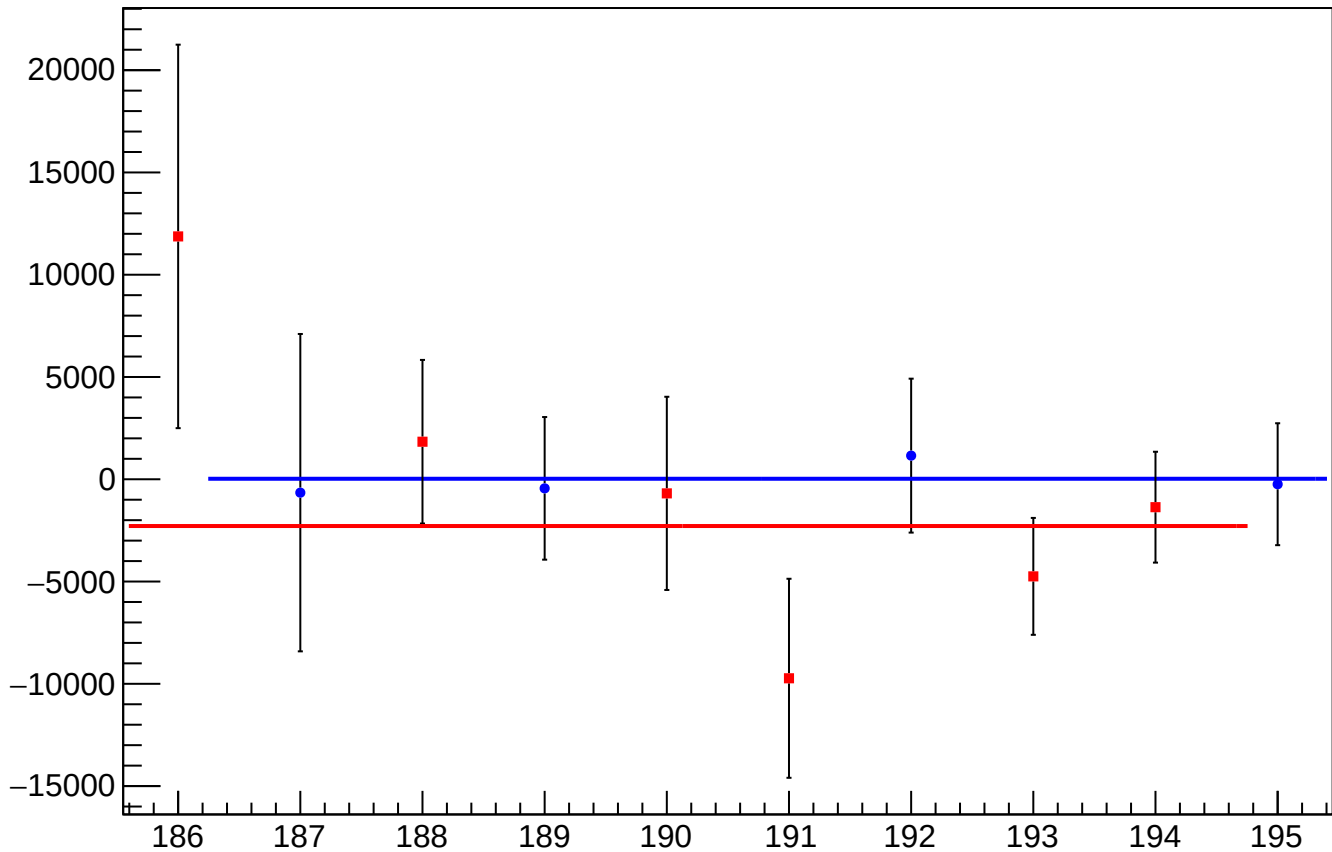
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 233.441 $\pm$ 0.076  $\chi^2$ /NDF: 370266.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_3748\_avg\_correction\_mean vs Slug



Right In: 24.596 $\pm$ 1882.720  $\chi^2$ /NDF: 0.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2286.296 $\pm$ 1543.797  $\chi^2$ /NDF: 6.7/5

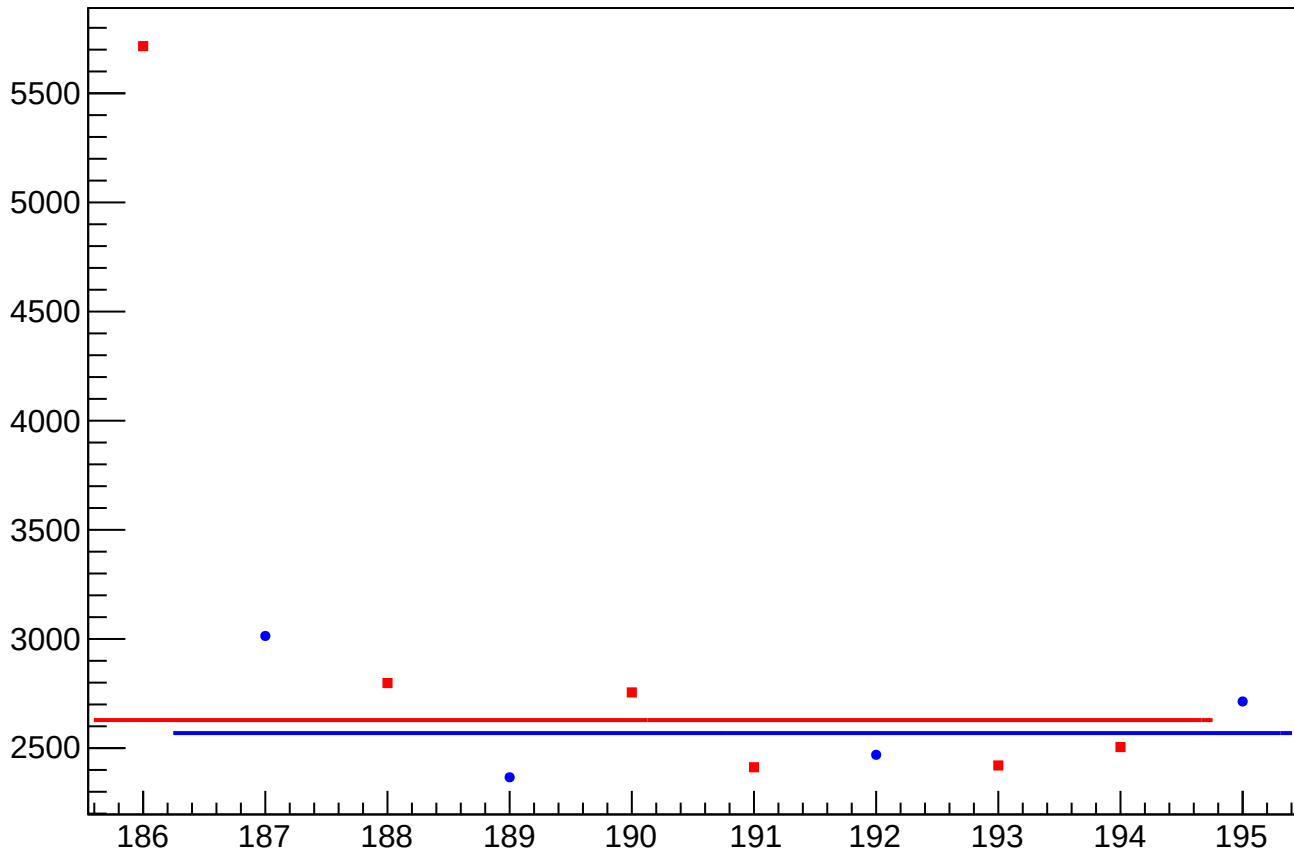
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1357.210 $\pm$ 1193.779  $\chi^2$ /NDF: 7.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3748\_avg\_correction\_rms vs Slug



Right In: 2568.931 $\pm$ 1.331  $\chi^2$ /NDF: 19442.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2628.484 $\pm$ 1.092  $\chi^2$ /NDF: 240712.6/5

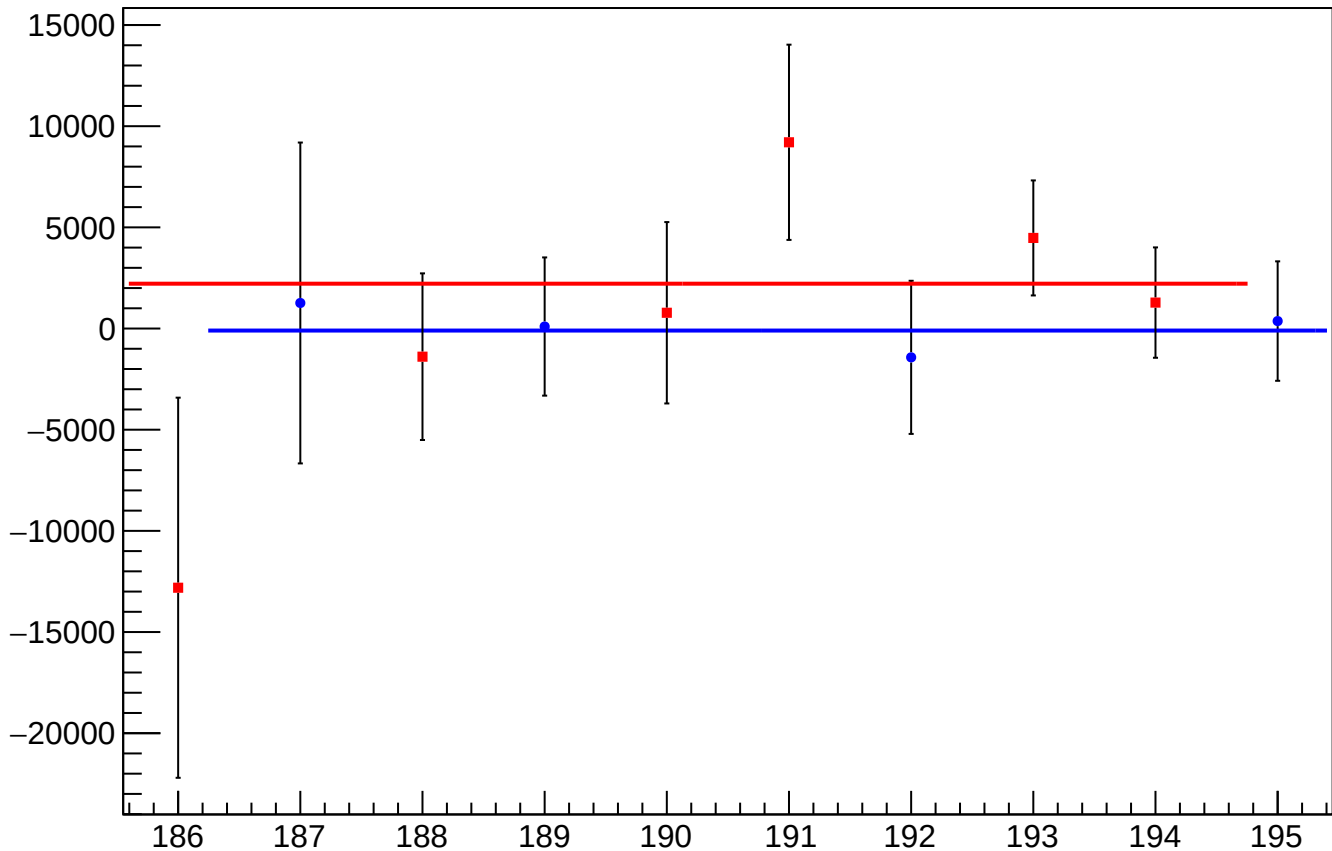
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2604.541 $\pm$ 0.844  $\chi^2$ /NDF: 261351.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3748\_avg\_mean vs Slug



Right In: -99.833 $\pm$ 1869.069  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2216.062 $\pm$ 1540.621  $\chi^2$ /NDF: 6.3/5

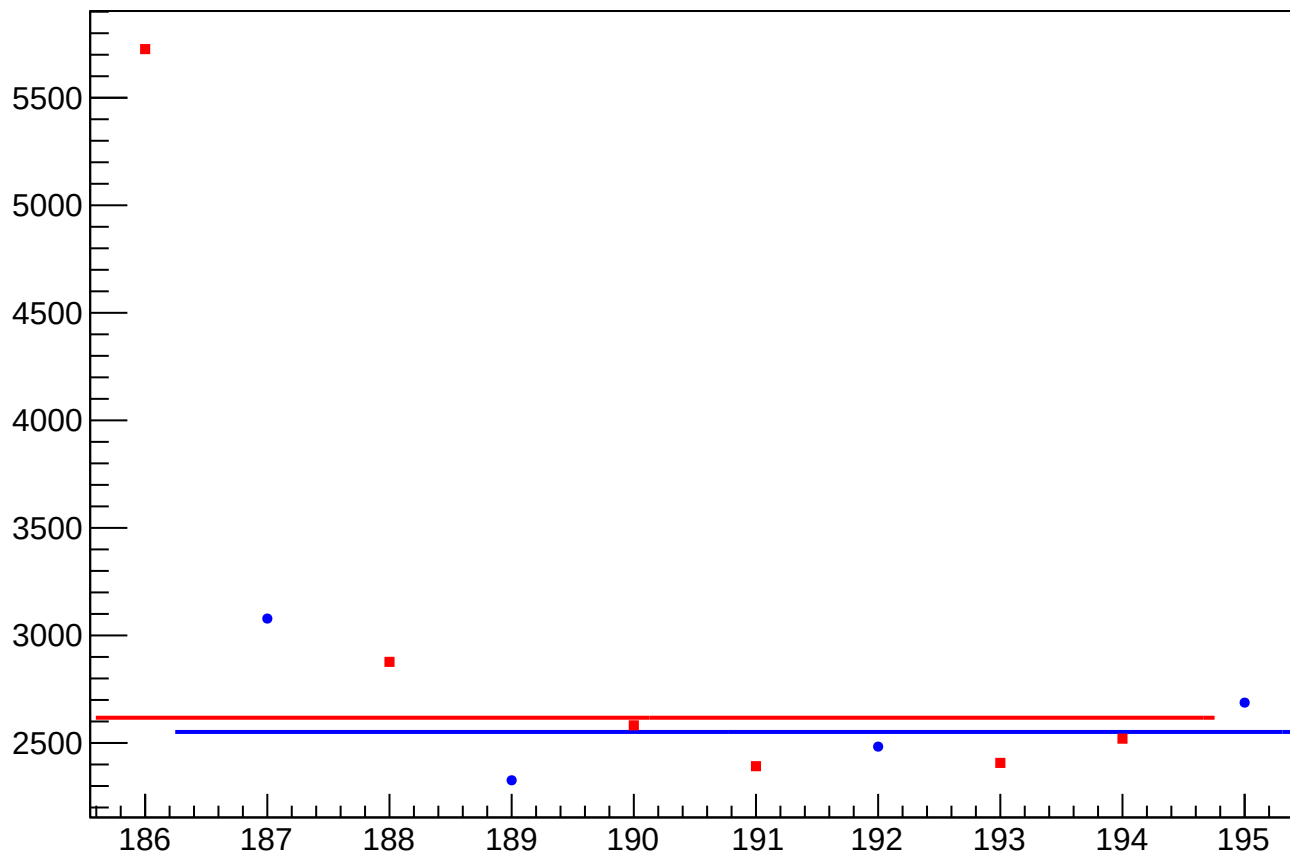
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1279.148 $\pm$ 1188.819  $\chi^2$ /NDF: 7.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3748\_avg\_rms vs Slug



Right In: 2551.299+/-1.322  $\chi^2/\text{NDF}$ : 22417.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2617.441+/-1.089  $\chi^2/\text{NDF}$ : 244965.8/5

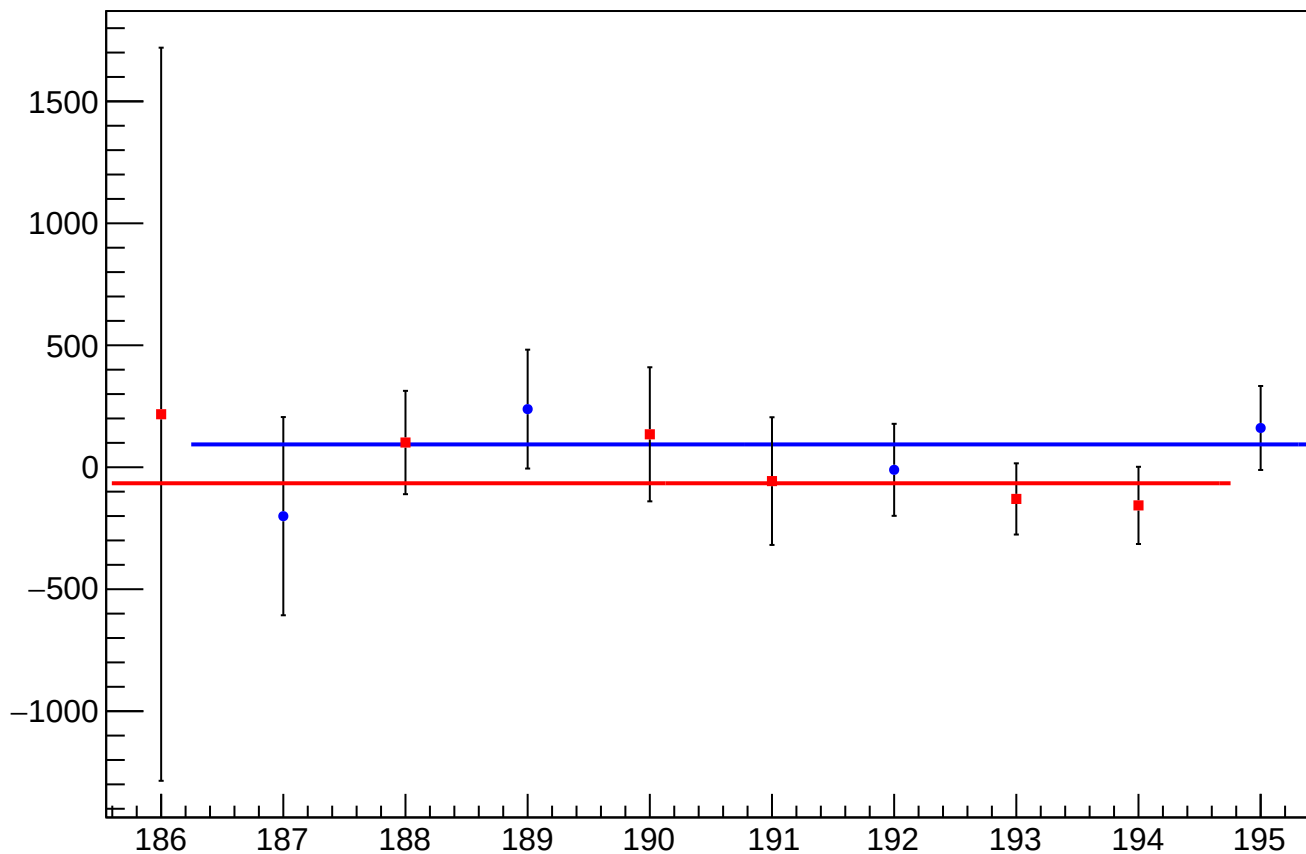
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2590.682+/-0.841  $\chi^2/\text{NDF}$ : 268875.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1526\_avg\_mean vs Slug



Right In: 93.630 $\pm$ 108.614  $\chi^2$ /NDF: 1.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -65.641 $\pm$ 85.301  $\chi^2$ /NDF: 1.7/5

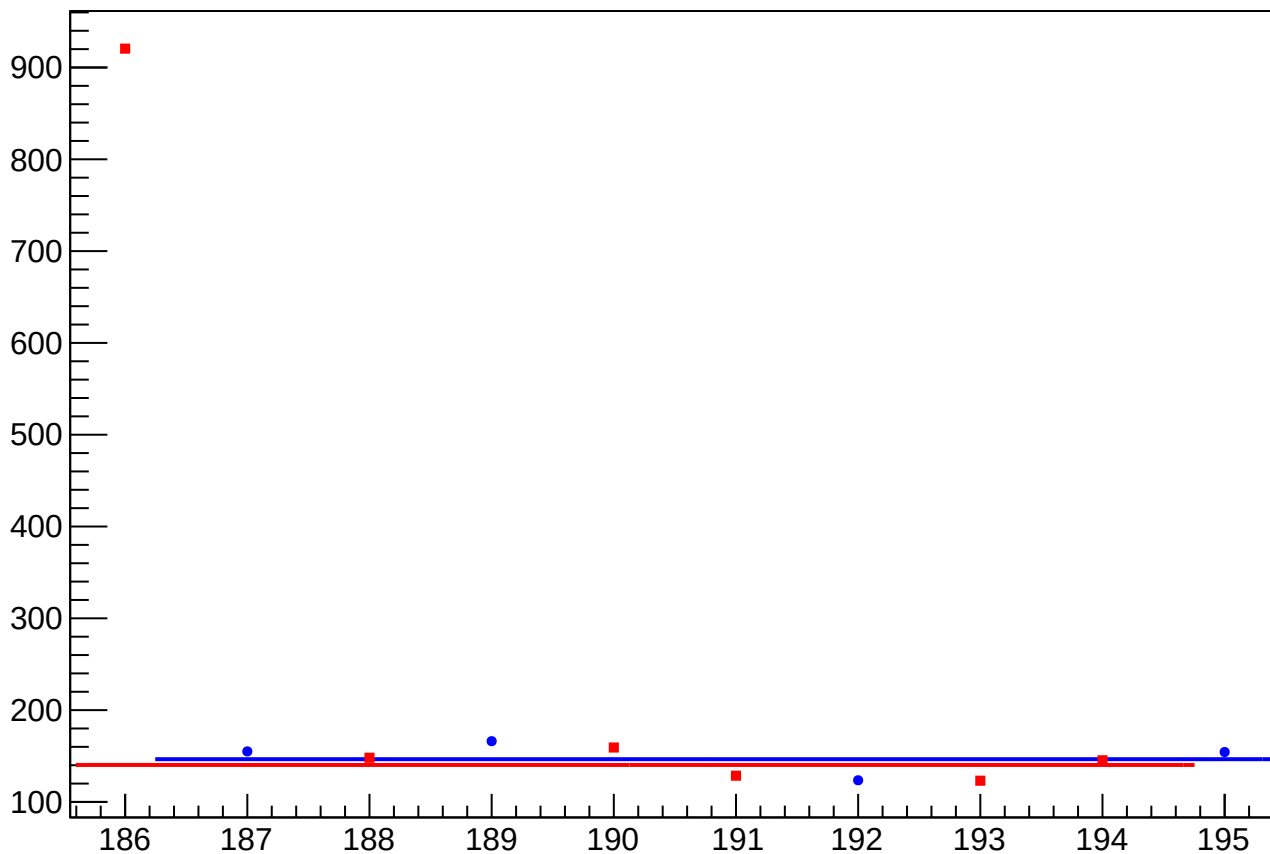
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -4.880 $\pm$ 67.085  $\chi^2$ /NDF: 4.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1526\_avg\_rms vs Slug



Right In: 146.559 $\pm$ 0.077  $\chi^2$ /NDF: 47591.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 140.276 $\pm$ 0.060  $\chi^2$ /NDF: 585212.9/5

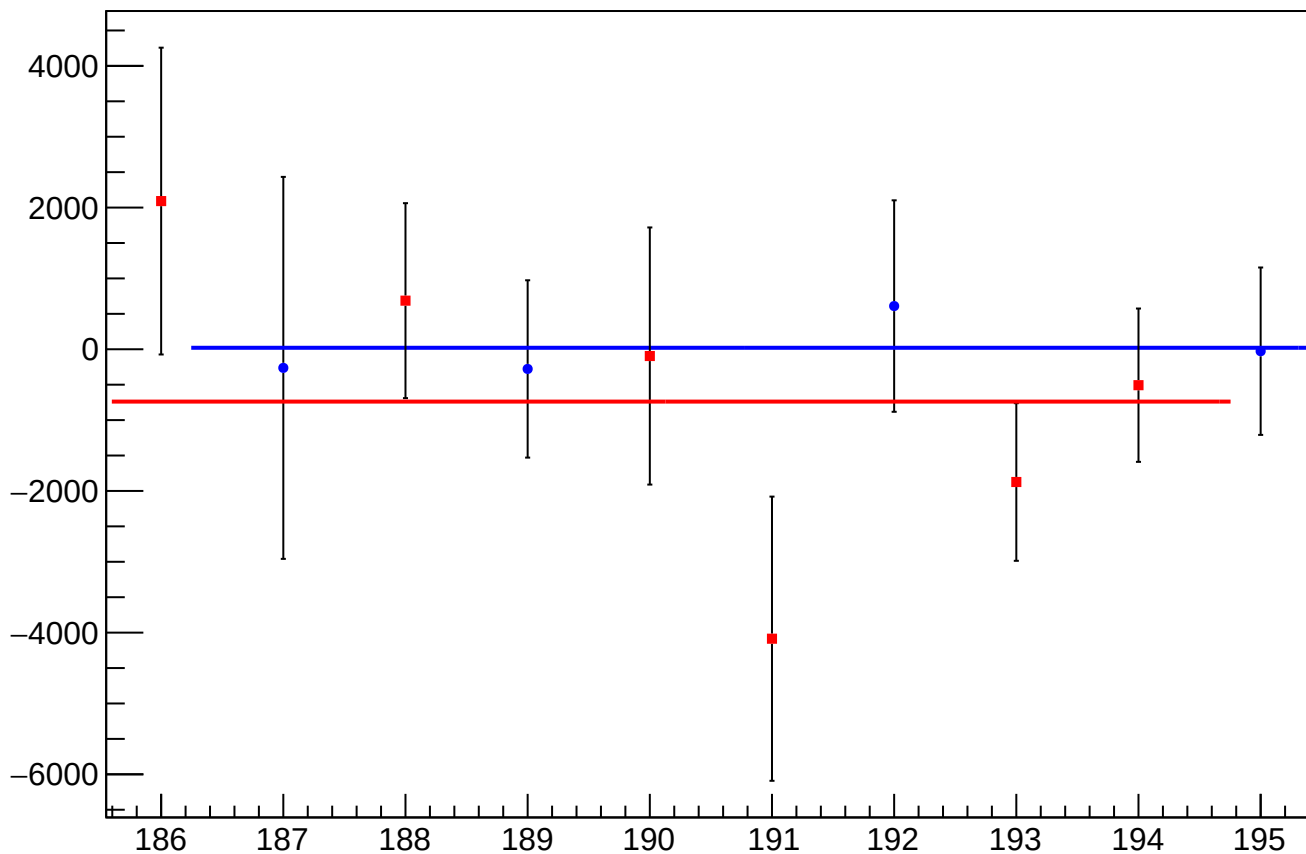
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 142.673 $\pm$ 0.047  $\chi^2$ /NDF: 636943.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1526\_avg\_correction\_mean vs Slug



Right In: 20.977+/-717.745  $\chi^2/\text{NDF}$ : 0.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -738.682+/-581.686  $\chi^2/\text{NDF}$ : 6.8/5

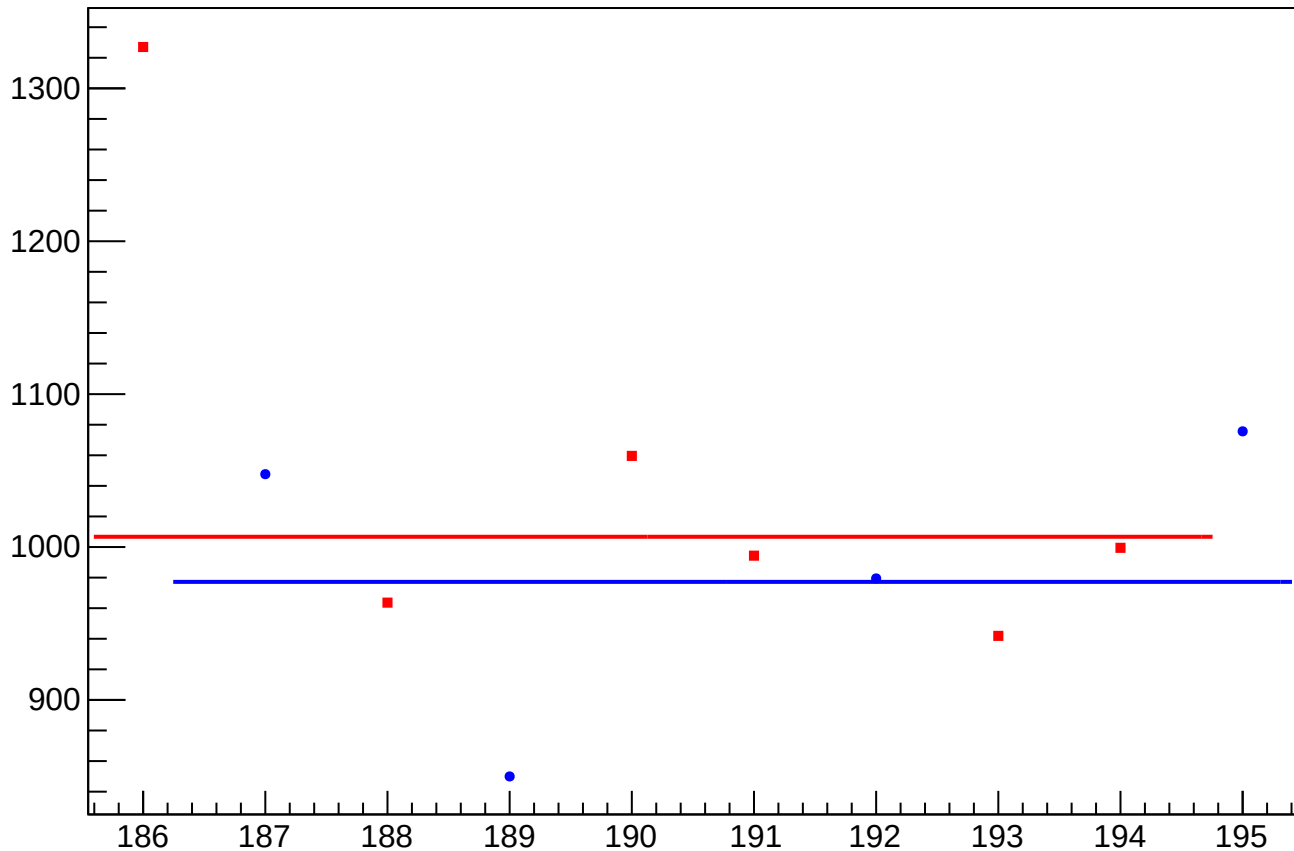
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -437.531+/-451.911  $\chi^2/\text{NDF}$ : 7.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1526\_avg\_correction\_rms vs Slug



Right In: 977.216+/-0.508  $\chi^2/\text{NDF}$ : 35935.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1006.718+/-0.411  $\chi^2/\text{NDF}$ : 54375.3/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

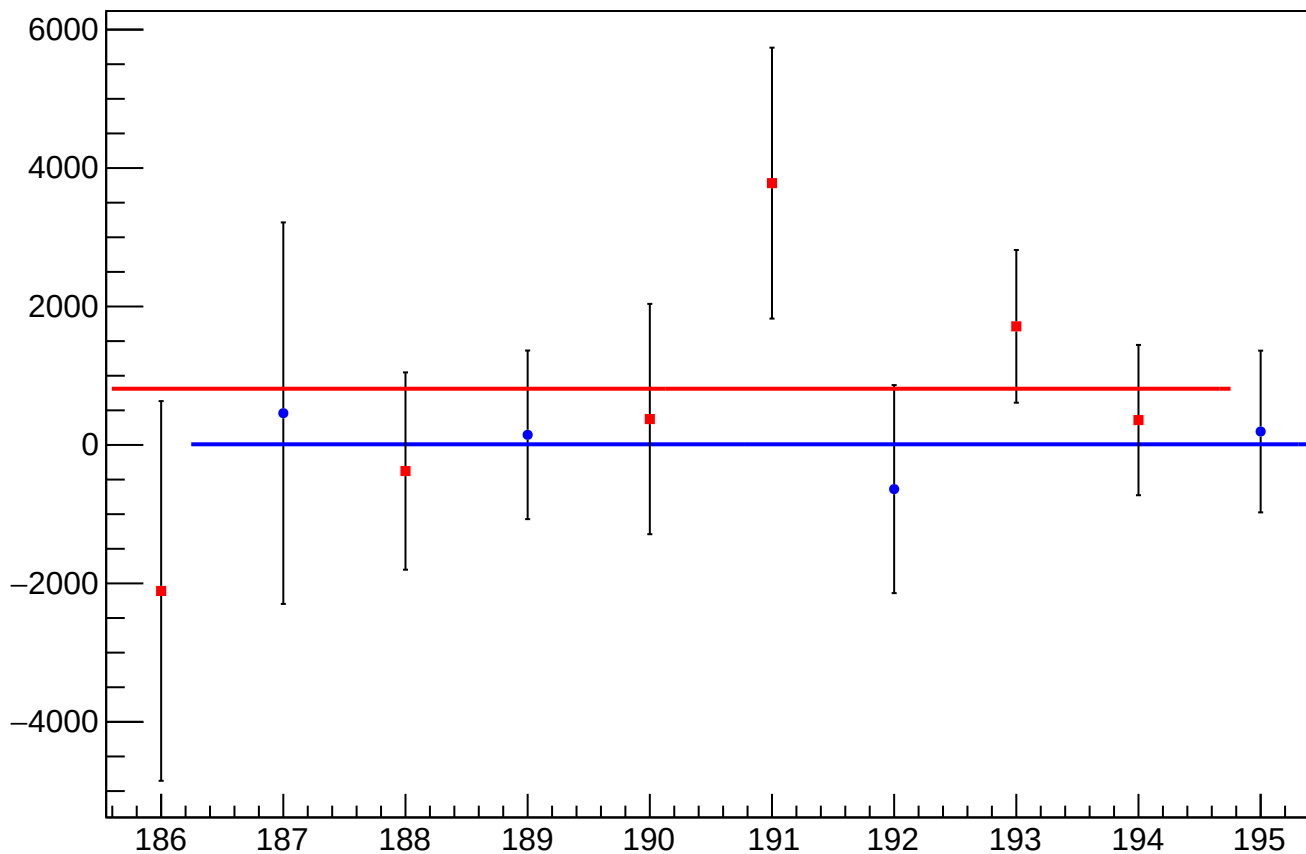
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 995.022+/-0.320  $\chi^2/\text{NDF}$ : 92349.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_1526\_avg\_mean vs Slug



Right In: 9.538 $\pm$ 710.395  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 812.177 $\pm$ 585.395  $\chi^2$ /NDF: 5.0/5

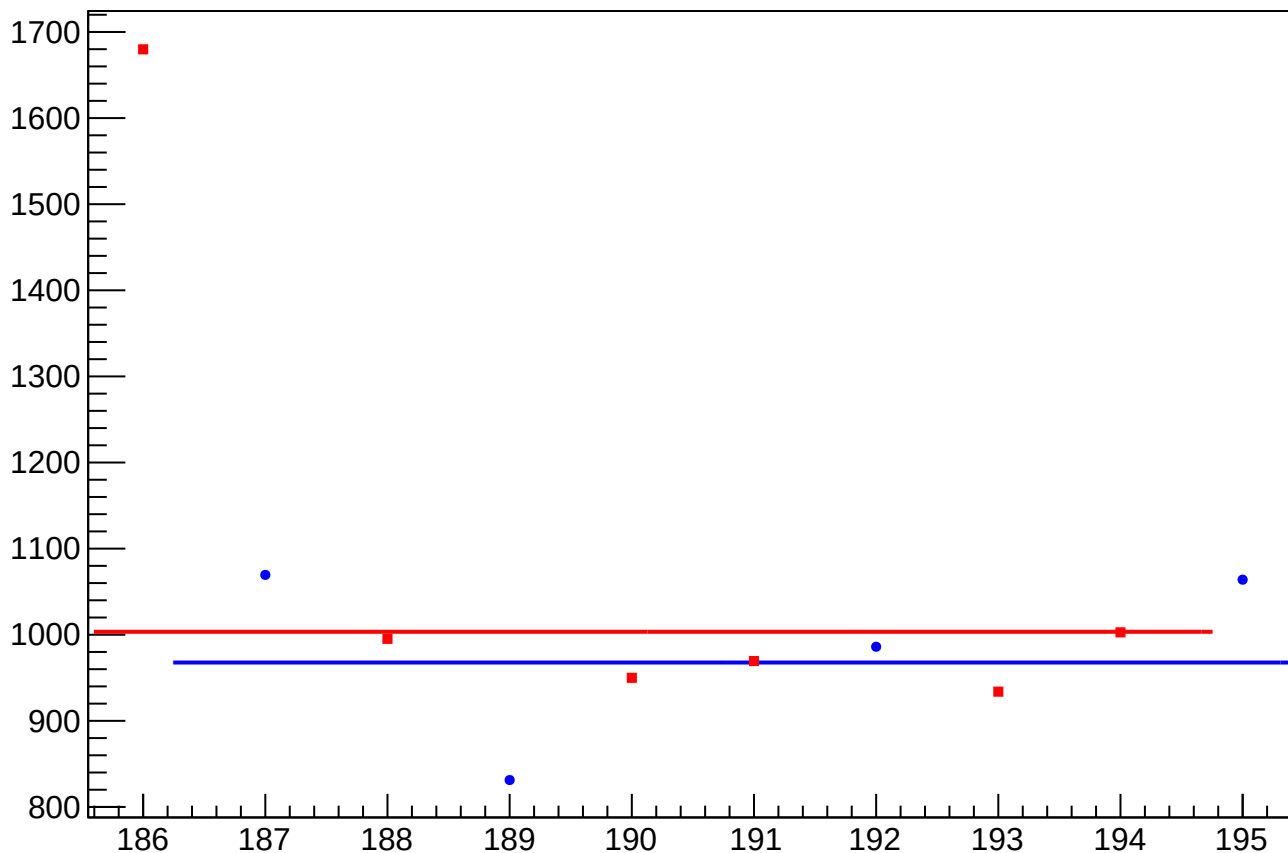
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 487.571 $\pm$ 451.770  $\chi^2$ /NDF: 6.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1526\_avg\_rms vs Slug



Right In: 967.728 $\pm$ 0.502  $\chi^2$ /NDF: 41713.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1003.438 $\pm$ 0.414  $\chi^2$ /NDF: 132349.0/5

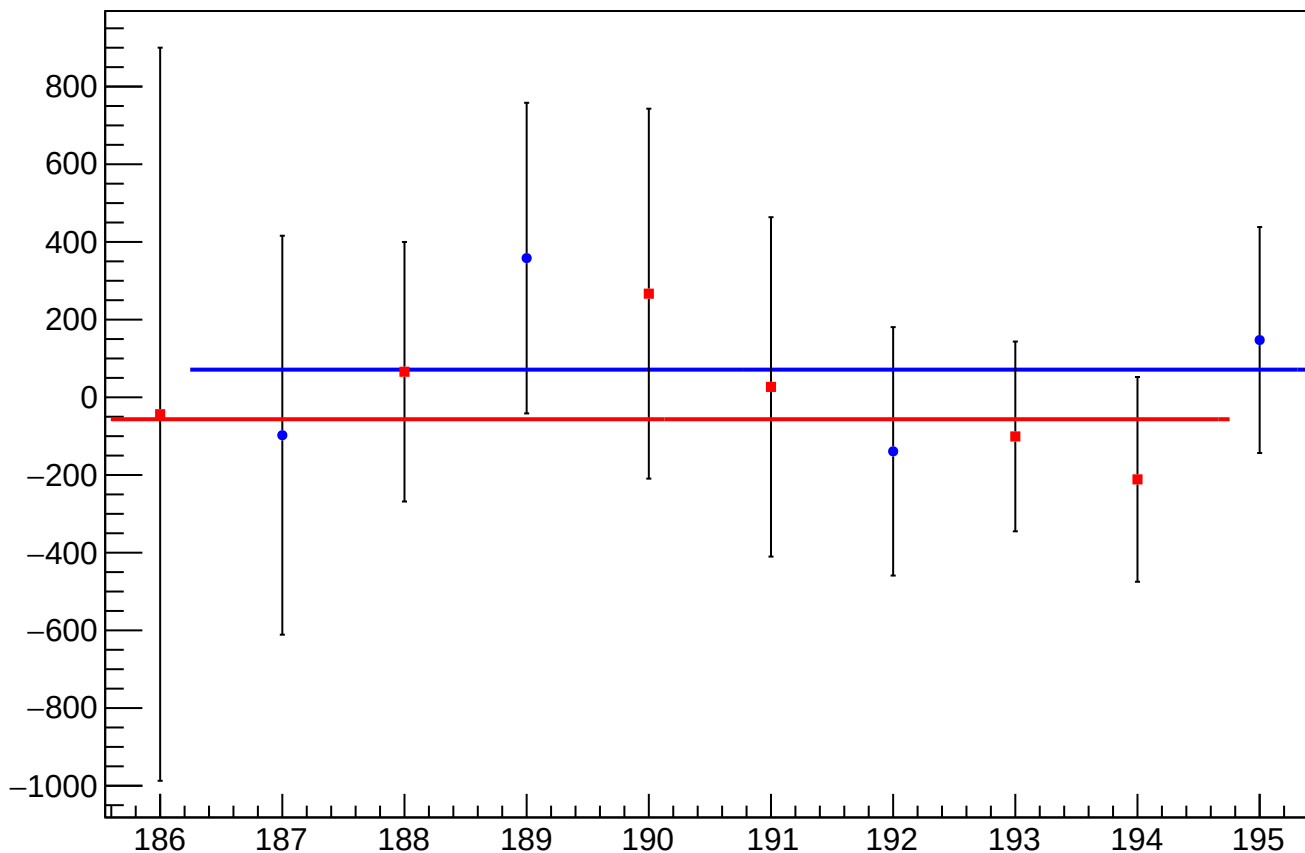
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 988.996 $\pm$ 0.319  $\chi^2$ /NDF: 177072.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_3726\_avg\_mean vs Slug



Right In: 71.249 $\pm$ 177.776  $\chi^2$ /NDF: 1.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -56.413 $\pm$ 140.190  $\chi^2$ /NDF: 1.0/5

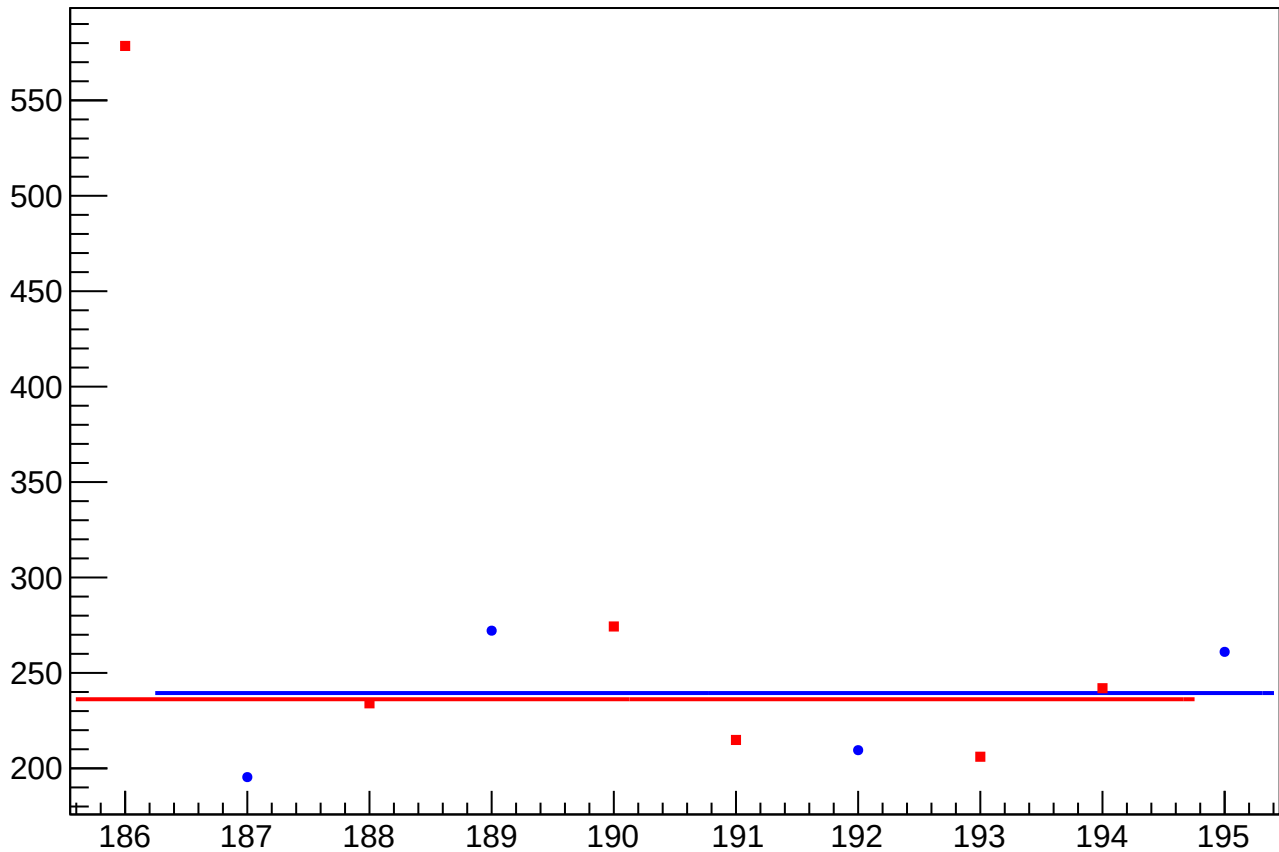
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.465 $\pm$ 110.081  $\chi^2$ /NDF: 2.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_3726\_avg\_rms vs Slug



Right In: 239.449 $\pm$ 0.126  $\chi^2$ /NDF: 56598.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 236.206 $\pm$ 0.099  $\chi^2$ /NDF: 312180.3/5

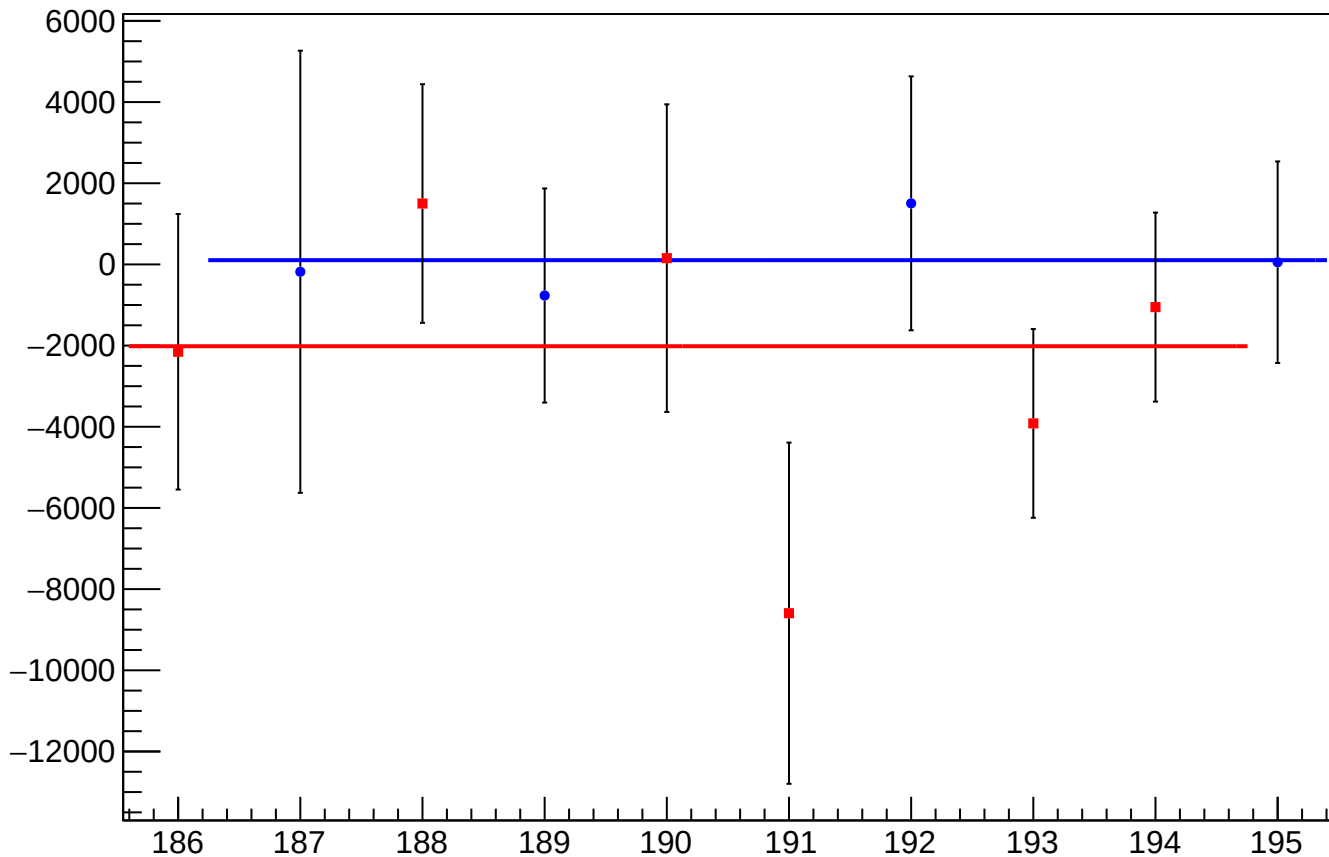
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 237.449 $\pm$ 0.078  $\chi^2$ /NDF: 369189.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3726\_avg\_correction\_mean vs Slug



Right In: 104.750 $\pm$ 1504.546  $\chi^2$ /NDF: 0.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2015.506 $\pm$ 1196.803  $\chi^2$ /NDF: 5.0/5

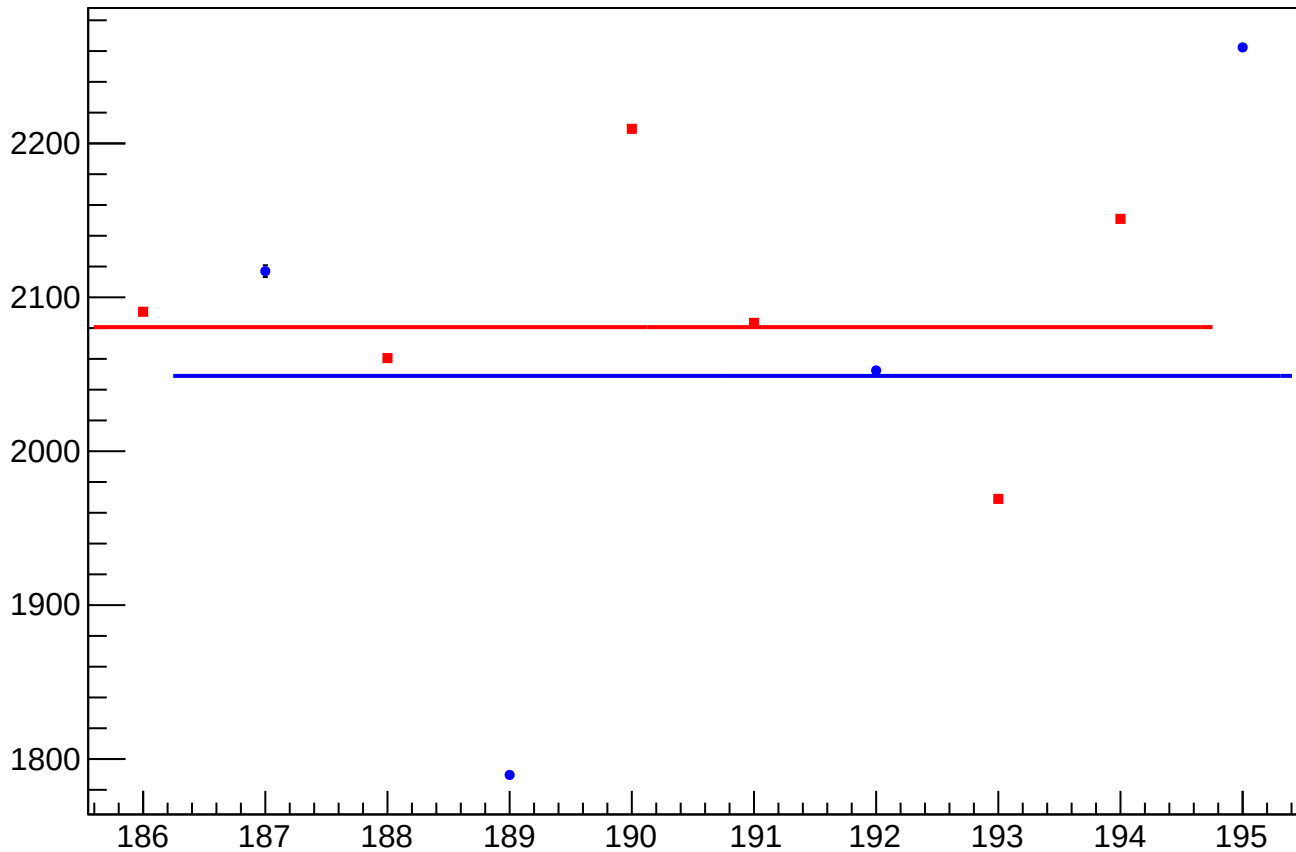
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1193.827 $\pm$ 936.618  $\chi^2$ /NDF: 6.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3726\_avg\_correction\_rms vs Slug



Right In: 2048.950+/-1.064  $\chi^2/\text{NDF}$ : 34414.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2080.639+/-0.846  $\chi^2/\text{NDF}$ : 8856.8/5

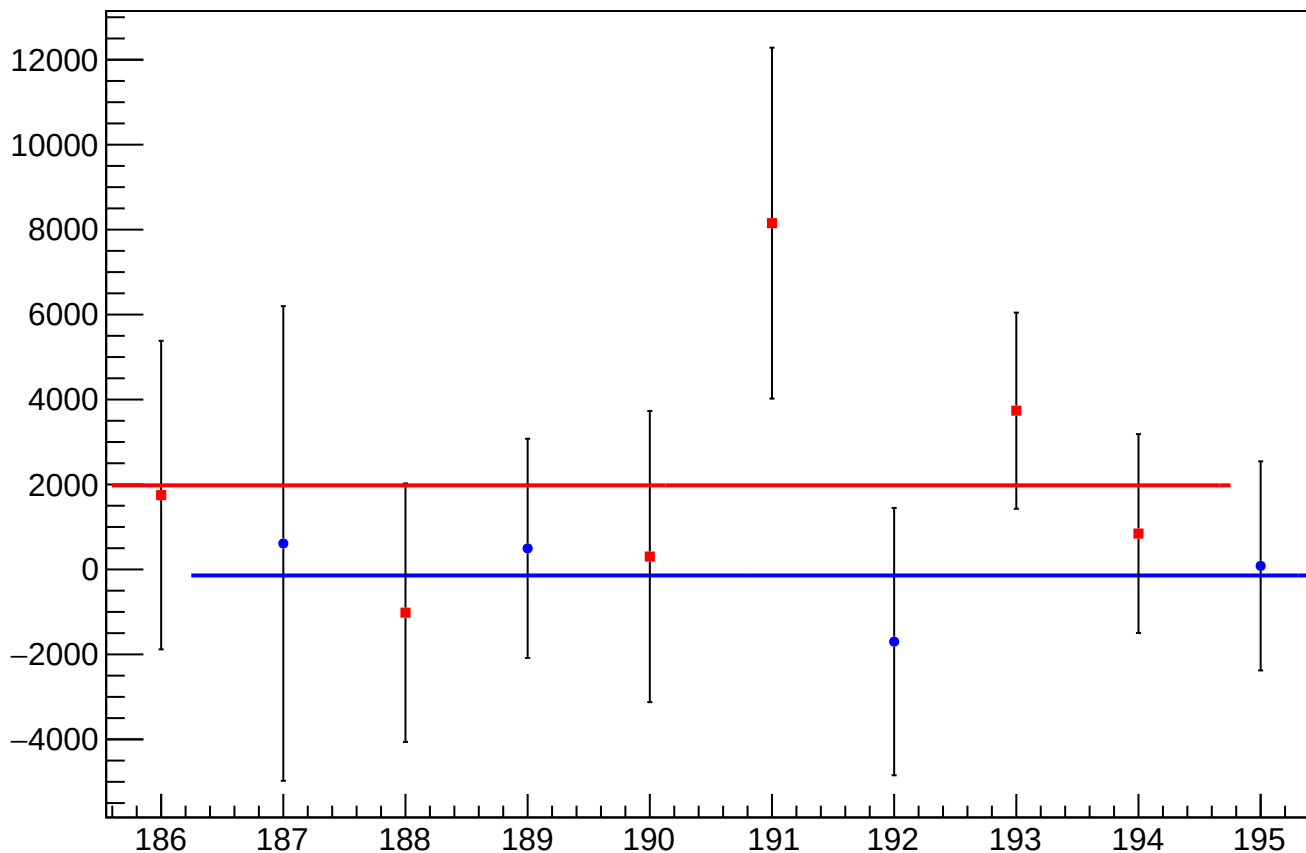
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2068.358+/-0.662  $\chi^2/\text{NDF}$ : 43814.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3726\_avg\_mean vs Slug



Right In: -142.120+/-1493.570  $\chi^2/\text{NDF}$ : 0.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1980.319+/-1197.113  $\chi^2/\text{NDF}$ : 4.3/5

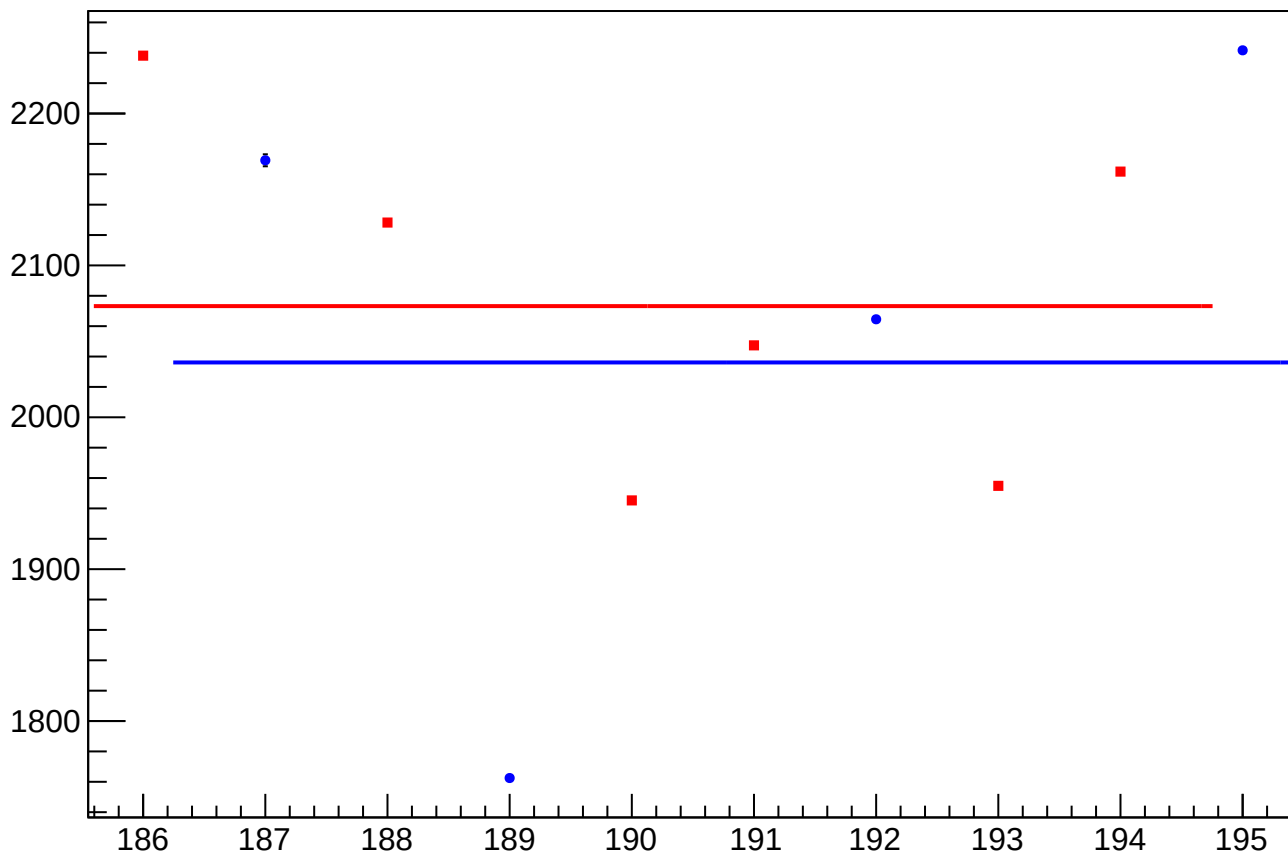
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1150.143+/-934.099  $\chi^2/\text{NDF}$ : 5.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3726\_avg\_rms vs Slug



Right In: 2036.107 $\pm$ 1.056  $\chi^2$ /NDF: 37725.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2073.200 $\pm$ 0.846  $\chi^2$ /NDF: 15761.7/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

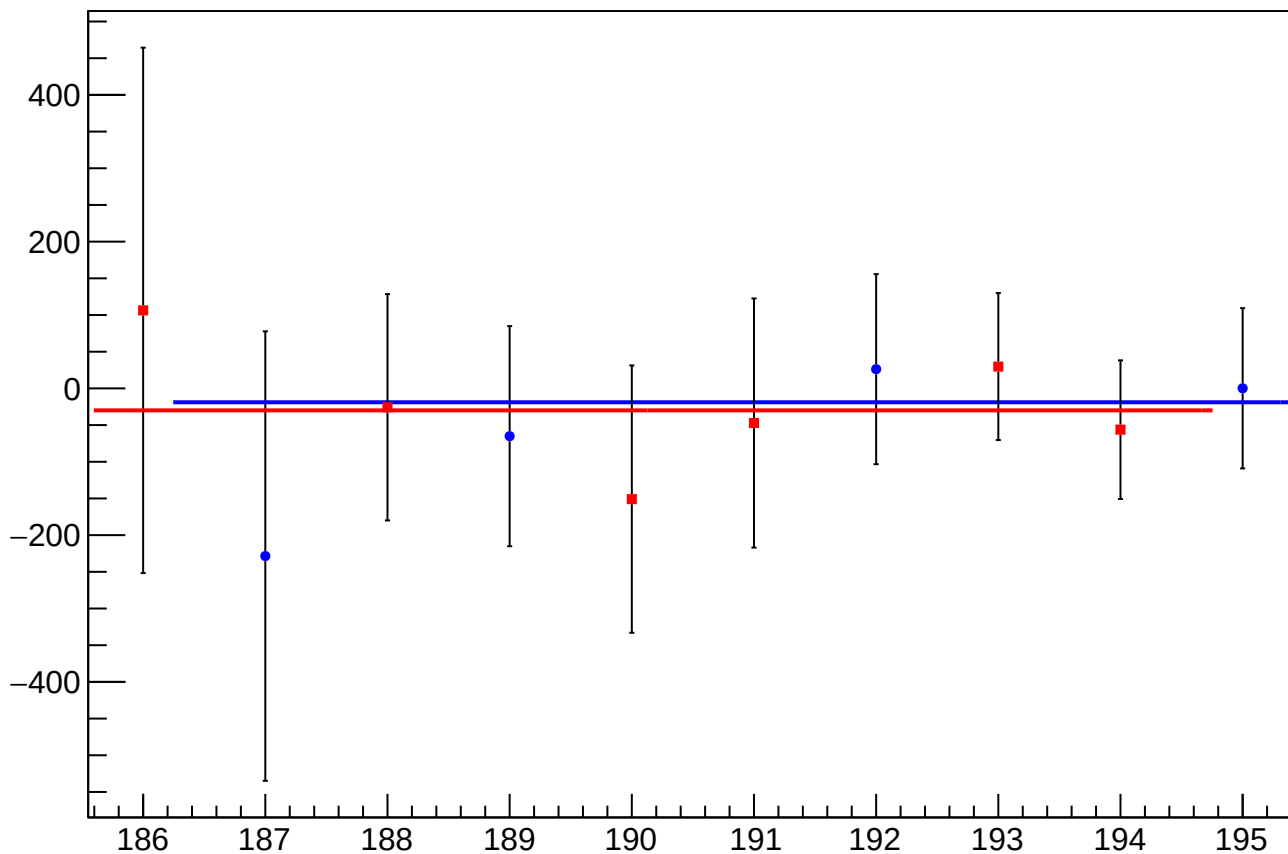
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2058.691 $\pm$ 0.661  $\chi^2$ /NDF: 54238.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_sam\_15\_48\_dd\_mean vs Slug



Right In:  $-18.916 \pm 70.961$   $\chi^2/\text{NDF}$ : 0.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-29.958 \pm 55.361$   $\chi^2/\text{NDF}$ : 1.0/5

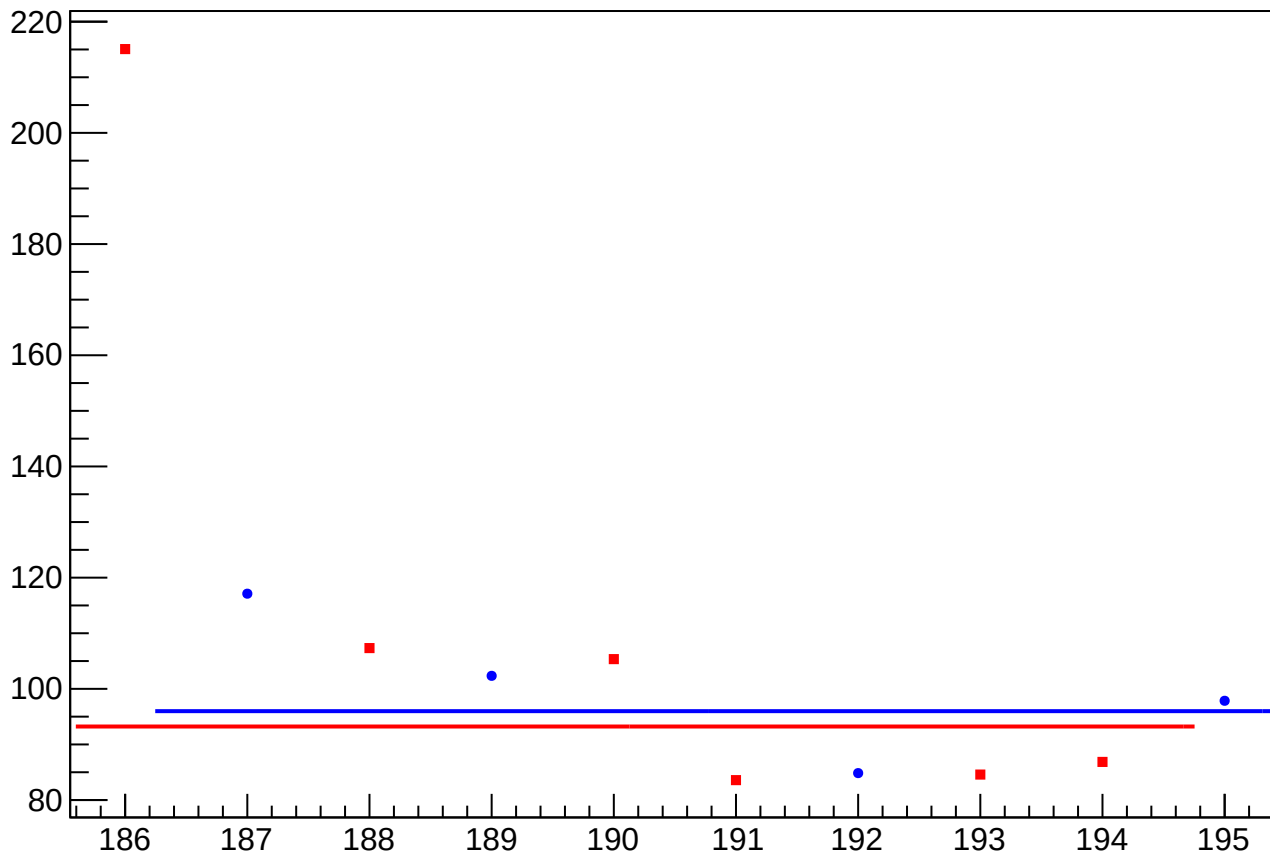
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-25.780 \pm 43.649$   $\chi^2/\text{NDF}$ : 1.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_48\_dd\_rms vs Slug



Right In: 95.988 $\pm$ 0.050  $\chi^2$ /NDF: 28491.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 93.225 $\pm$ 0.039  $\chi^2$ /NDF: 287651.7/5

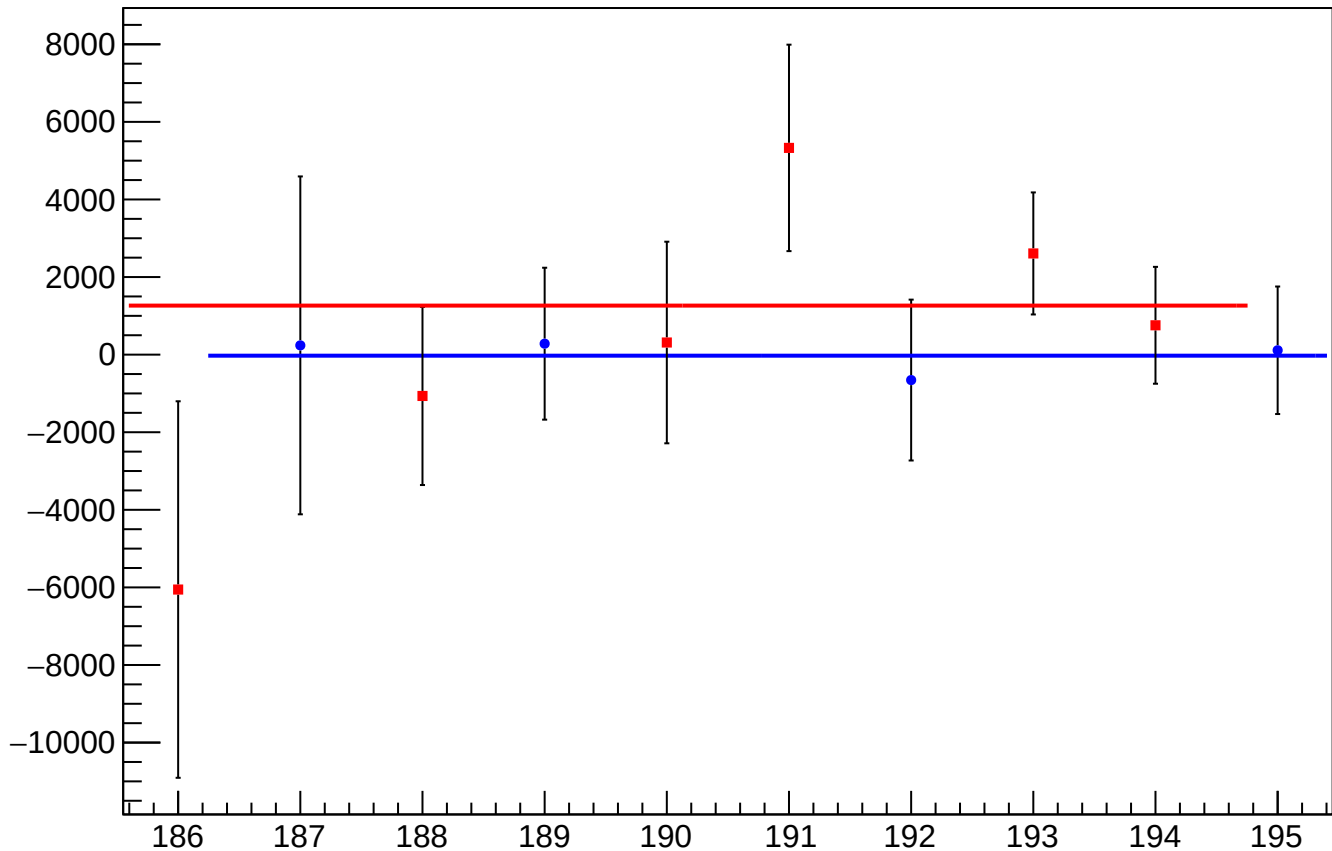
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 94.271 $\pm$ 0.031  $\chi^2$ /NDF: 318027.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_48\_dd\_correction\_mean vs Slug



Right In:  $-26.807 \pm 1044.566$   $\chi^2/\text{NDF}$ : 0.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $1264.173 \pm 855.455$   $\chi^2/\text{NDF}$ : 6.6/5

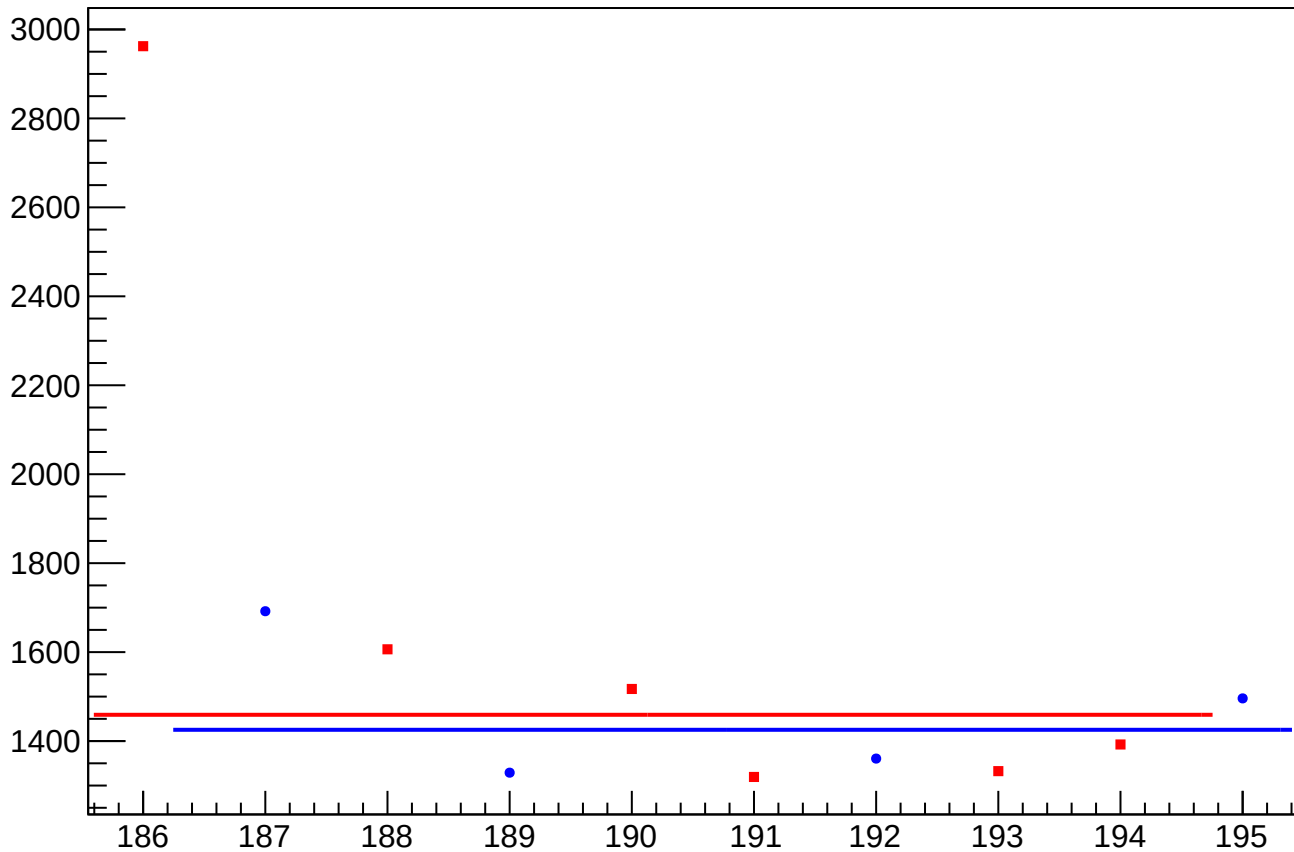
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $745.915 \pm 661.834$   $\chi^2/\text{NDF}$ : 7.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_48\_dd\_correction\_rms vs Slug



Right In: 1425.368+/-0.739  $\chi^2/\text{NDF}$ : 17985.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1459.105+/-0.605  $\chi^2/\text{NDF}$ : 223554.6/5

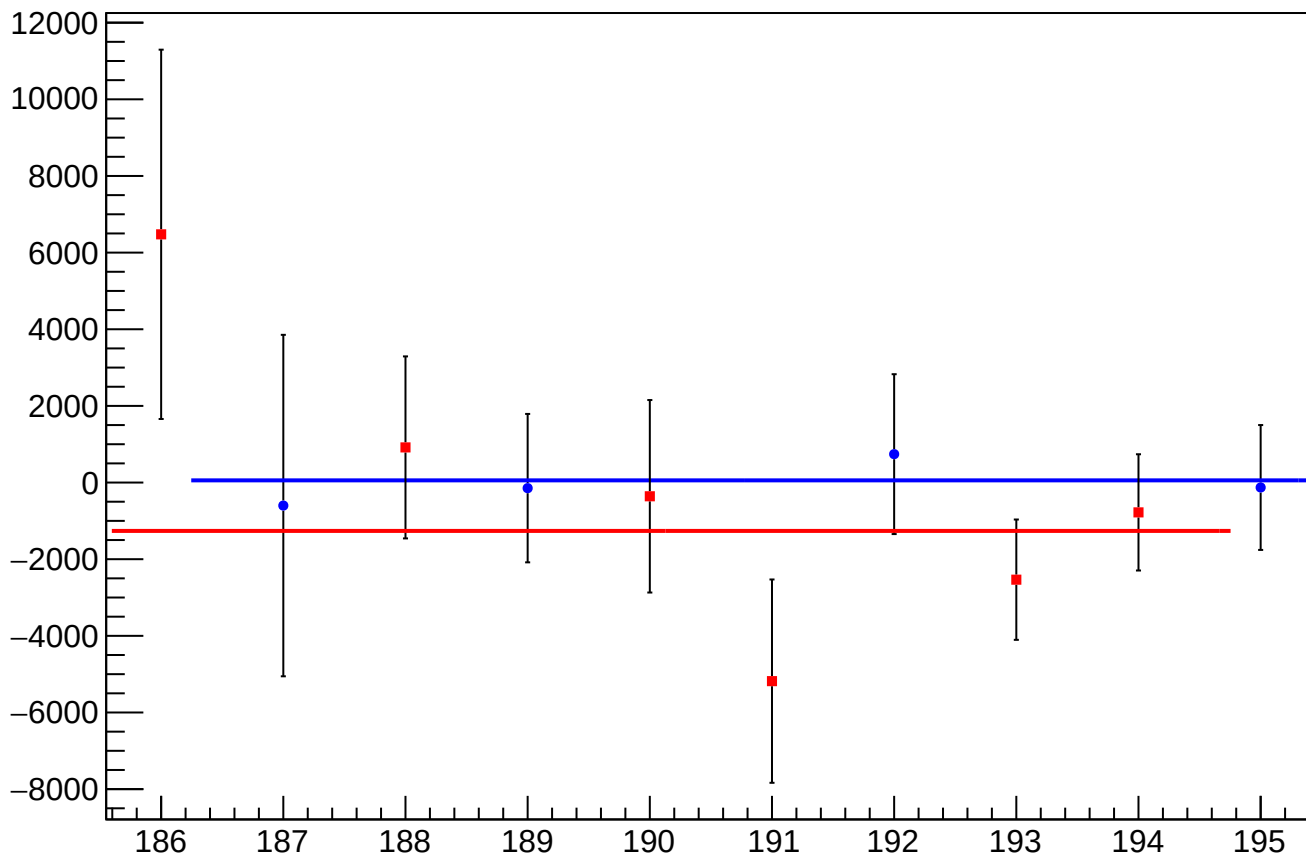
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1445.562+/-0.468  $\chi^2/\text{NDF}$ : 242789.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_48\_dd\_mean vs Slug



Right In: 57.106 +/- 1040.510  $\chi^2/\text{NDF}$ : 0.2/3

Left Out: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1262.048 +/- 857.036  $\chi^2/\text{NDF}$ : 6.5/5

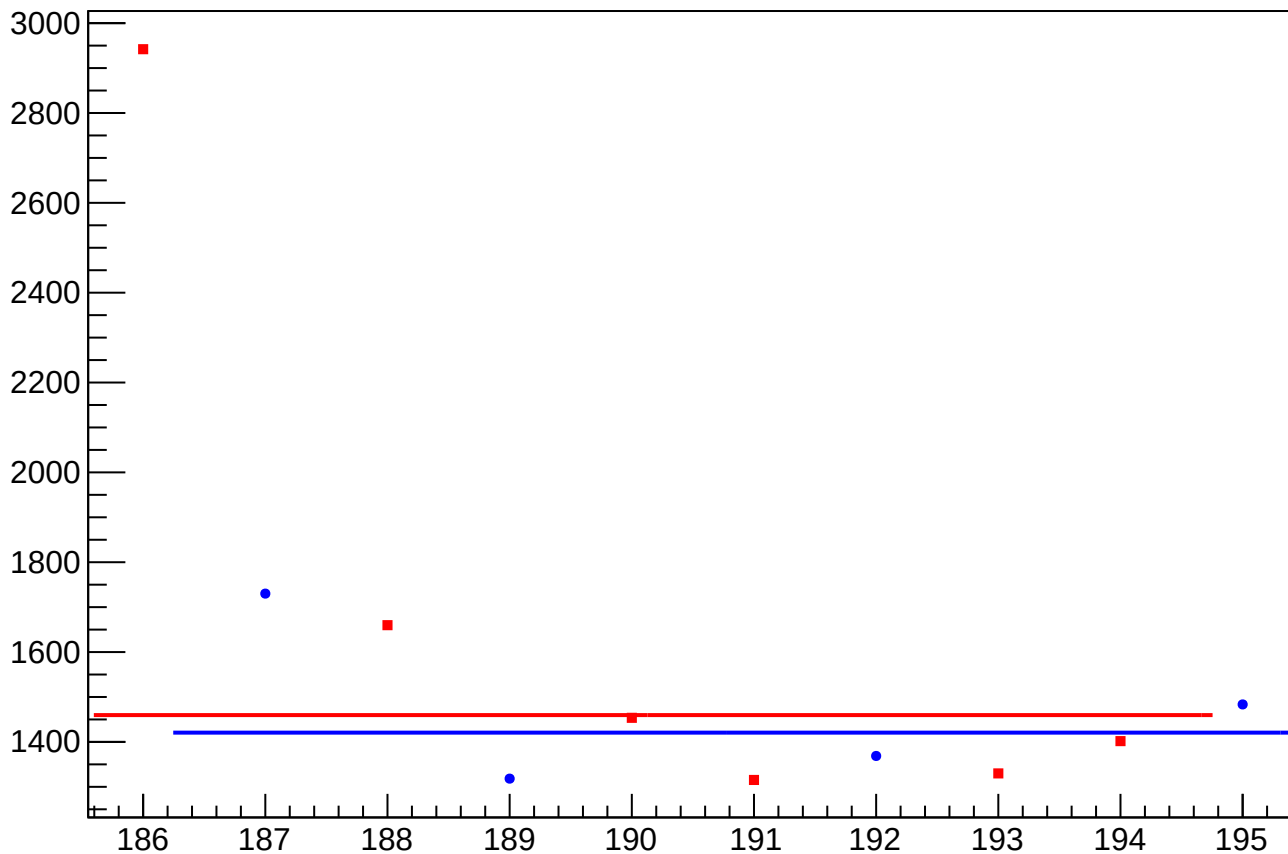
Left In: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -728.838 +/- 661.527  $\chi^2/\text{NDF}$ : 7.6/9

- sign 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_48\_dd\_rms vs Slug



Right In: 1420.652 $\pm$ 0.736  $\chi^2$ /NDF: 19453.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1459.697 $\pm$ 0.606  $\chi^2$ /NDF: 226006.8/5

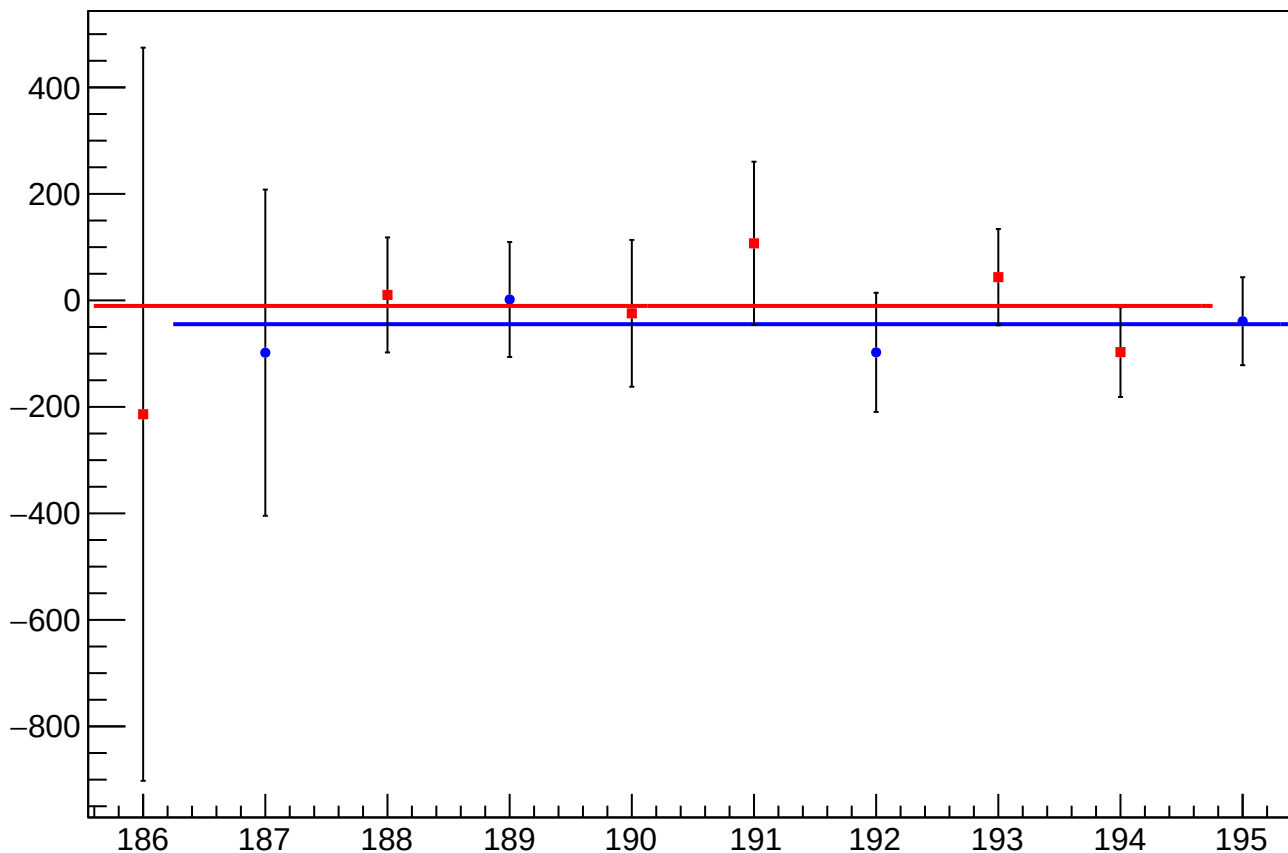
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1443.915 $\pm$ 0.468  $\chi^2$ /NDF: 247137.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_48\_dd\_mean vs Slug



Right In:  $-44.683 \pm 55.648$   $\chi^2/\text{NDF}$ : 0.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-10.411 \pm 47.335$   $\chi^2/\text{NDF}$ : 2.1/5

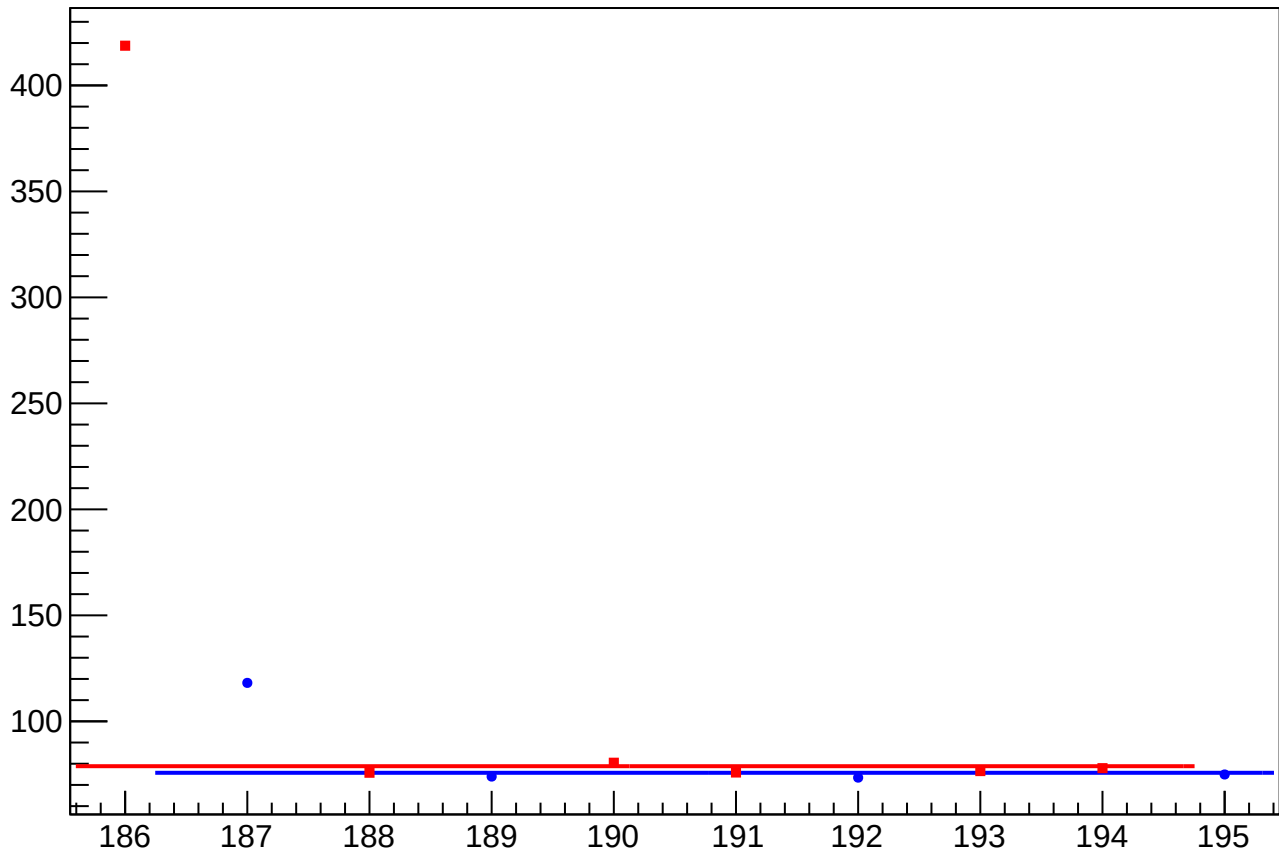
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-24.798 \pm 36.055$   $\chi^2/\text{NDF}$ : 2.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_48\_dd\_rms vs Slug



Right In: 75.726 $\pm$ 0.039  $\chi^2$ /NDF: 39911.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 78.836 $\pm$ 0.033  $\chi^2$ /NDF: 491793.2/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

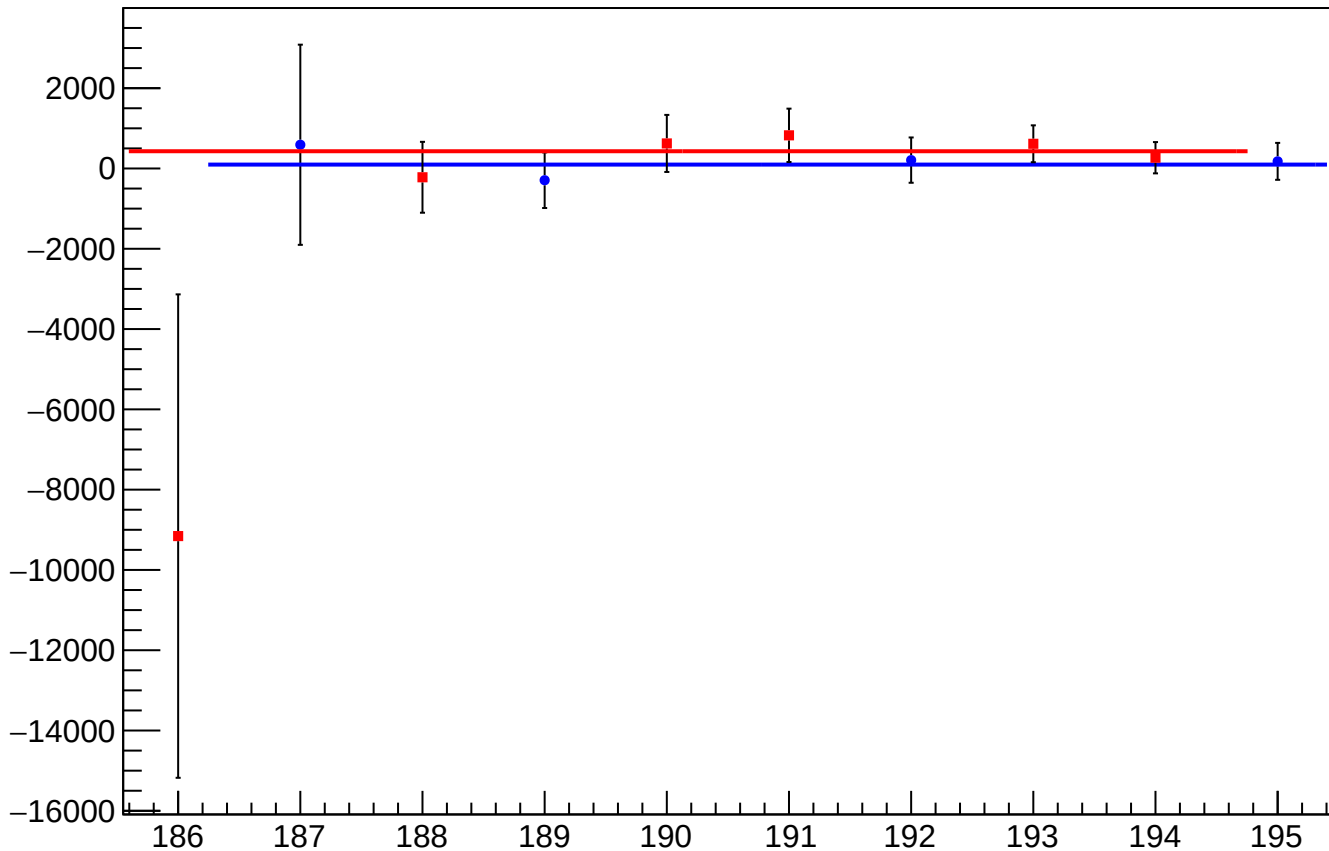
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 77.531 $\pm$ 0.025  $\chi^2$ /NDF: 535327.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_37\_48\_dd\_correction\_mean vs Slug



Right In: 96.761+/-314.357  $\chi^2/\text{NDF}$ : 0.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 429.438+/-243.402  $\chi^2/\text{NDF}$ : 3.8/5

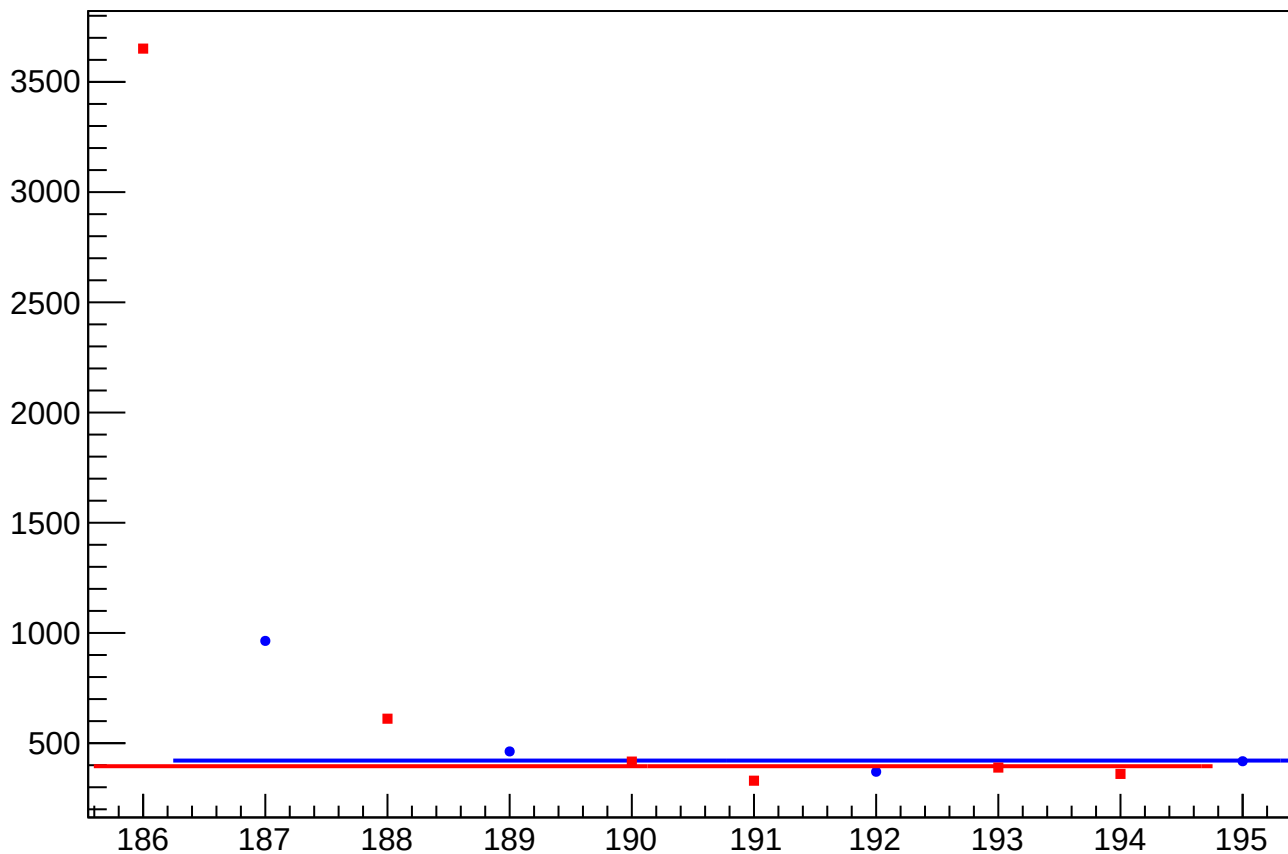
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 304.747+/-192.455  $\chi^2/\text{NDF}$ : 5.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_48\_dd\_correction\_rms vs Slug



Right In: 421.061+/-0.222  $\chi^2/\text{NDF}$ : 118280.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 395.447+/-0.172  $\chi^2/\text{NDF}$ : 741725.9/5

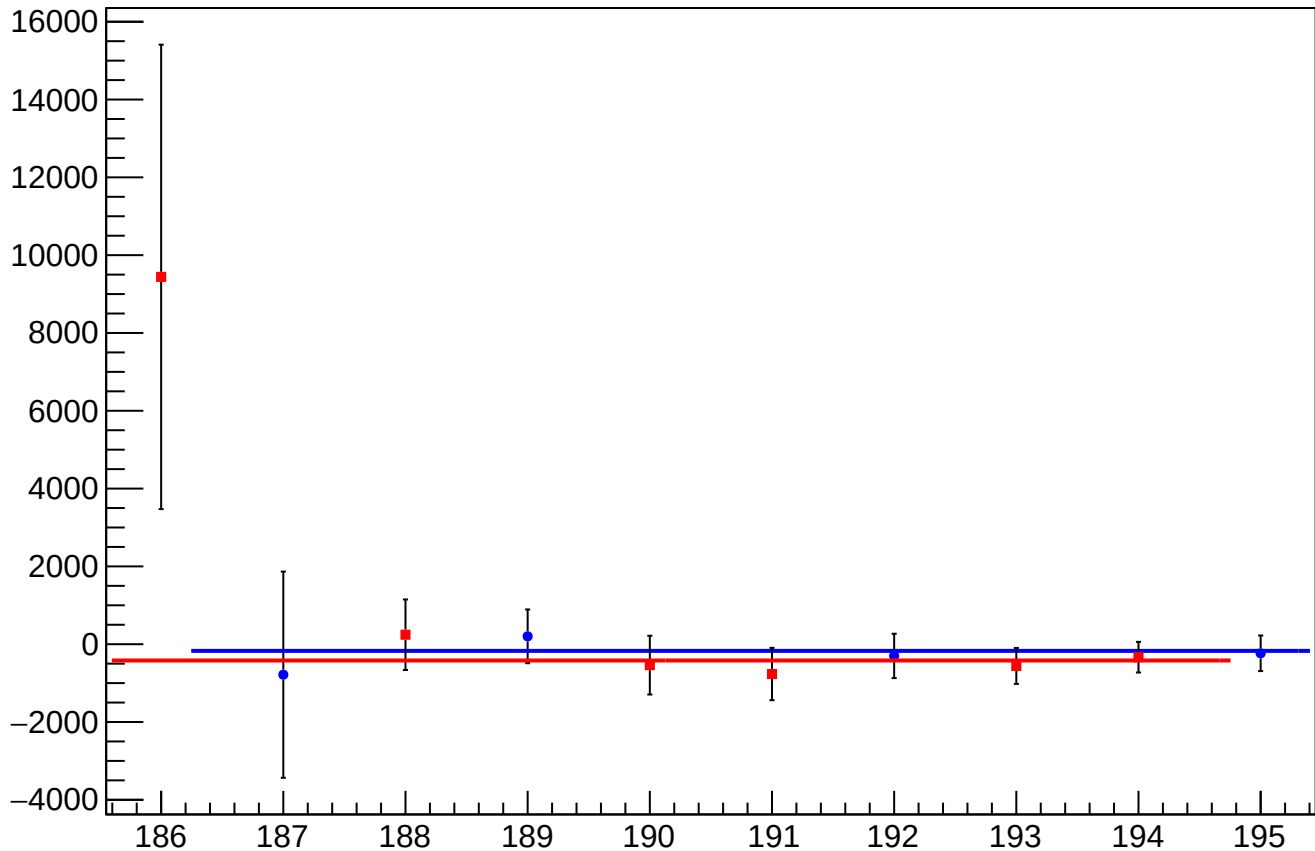
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 405.047+/-0.136  $\chi^2/\text{NDF}$ : 868307.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_48\_dd\_mean vs Slug



Right In: -171.587+/-314.606  $\chi^2/\text{NDF}$ : 0.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -418.805+/-247.495  $\chi^2/\text{NDF}$ : 3.7/5

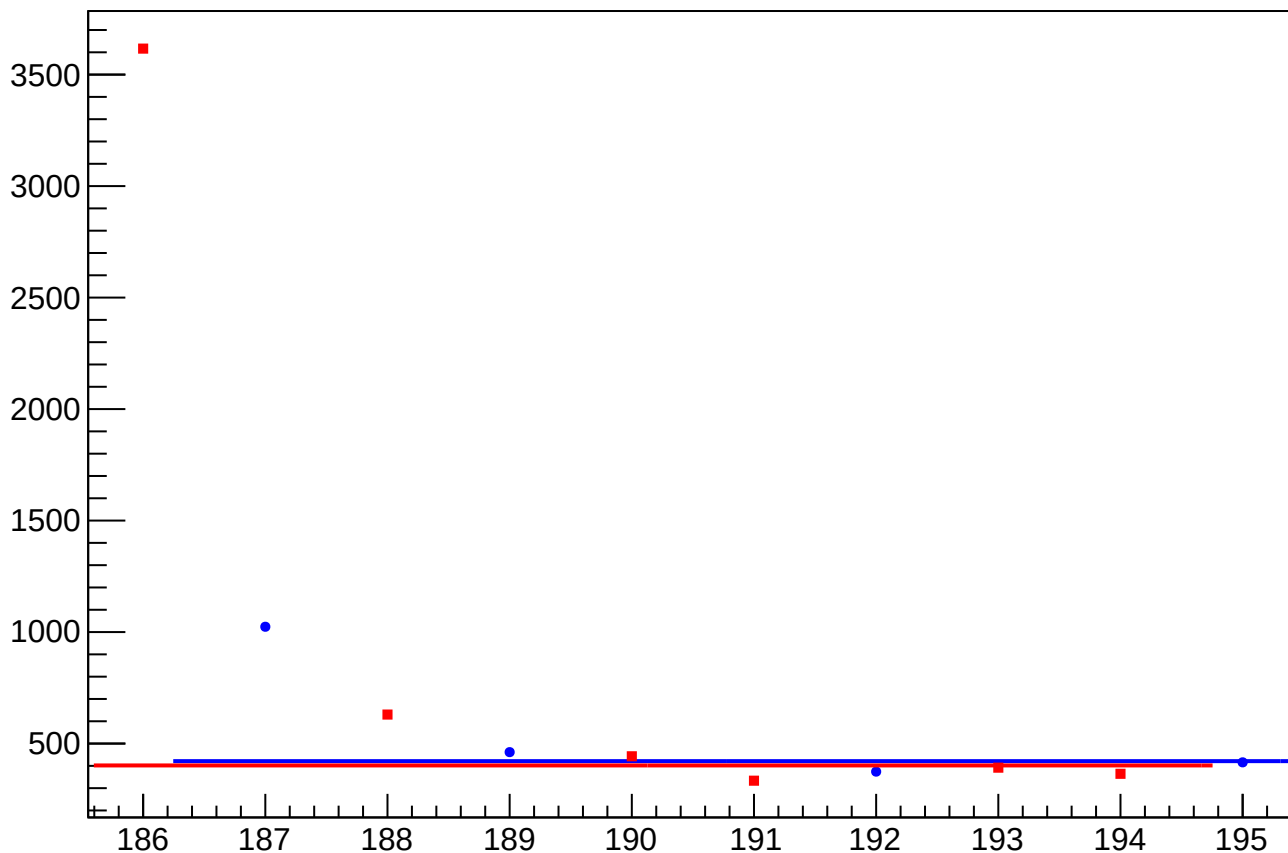
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -324.297+/-194.518  $\chi^2/\text{NDF}$ : 4.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_48\_dd\_rms vs Slug



Right In: 421.174+/-0.222  $\chi^2/\text{NDF}$ : 124110.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 401.885+/-0.175  $\chi^2/\text{NDF}$ : 752298.7/5

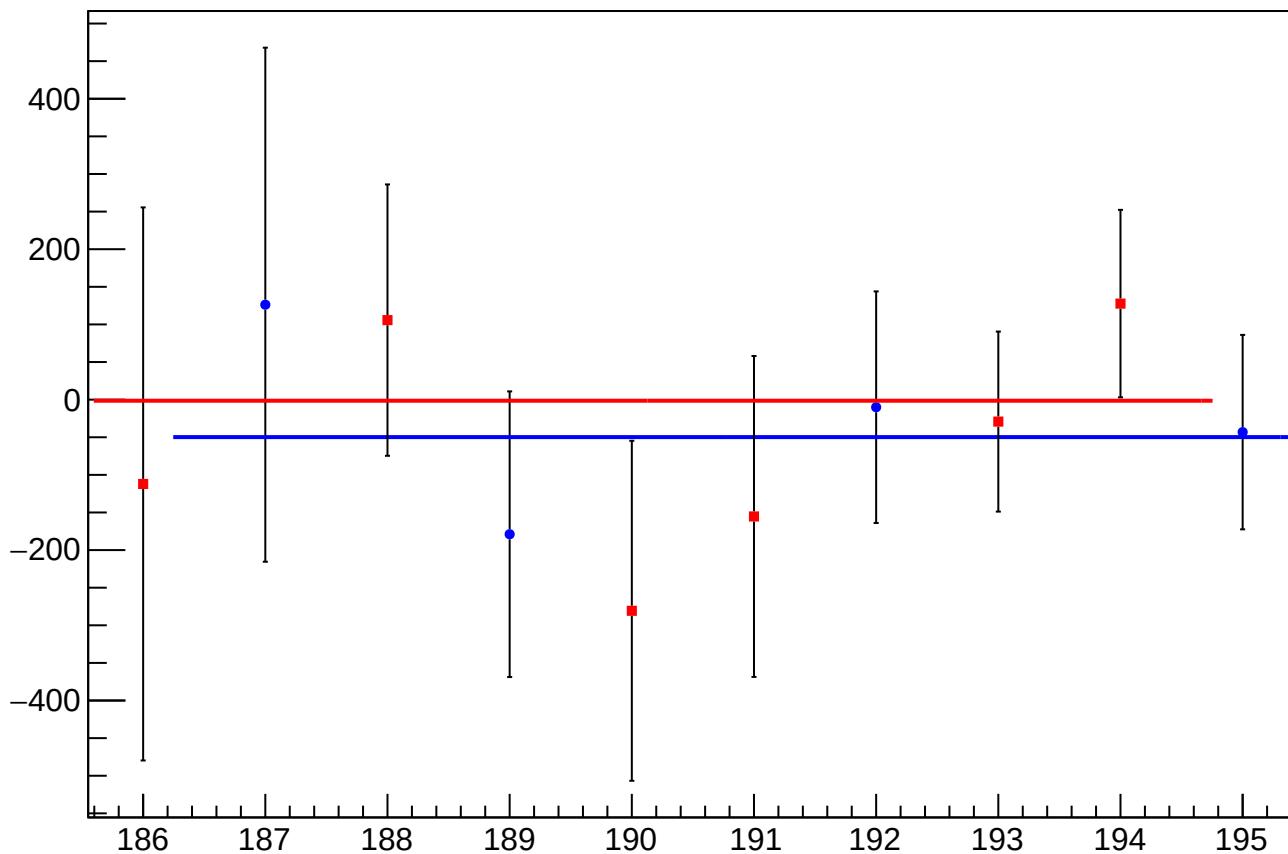
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 409.259+/-0.138  $\chi^2/\text{NDF}$ : 881052.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_26\_dd\_mean vs Slug



Right In:  $-49.798 \pm 85.018$   $\chi^2/\text{NDF}$ : 0.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.429 \pm 68.379$   $\chi^2/\text{NDF}$ : 3.6/5

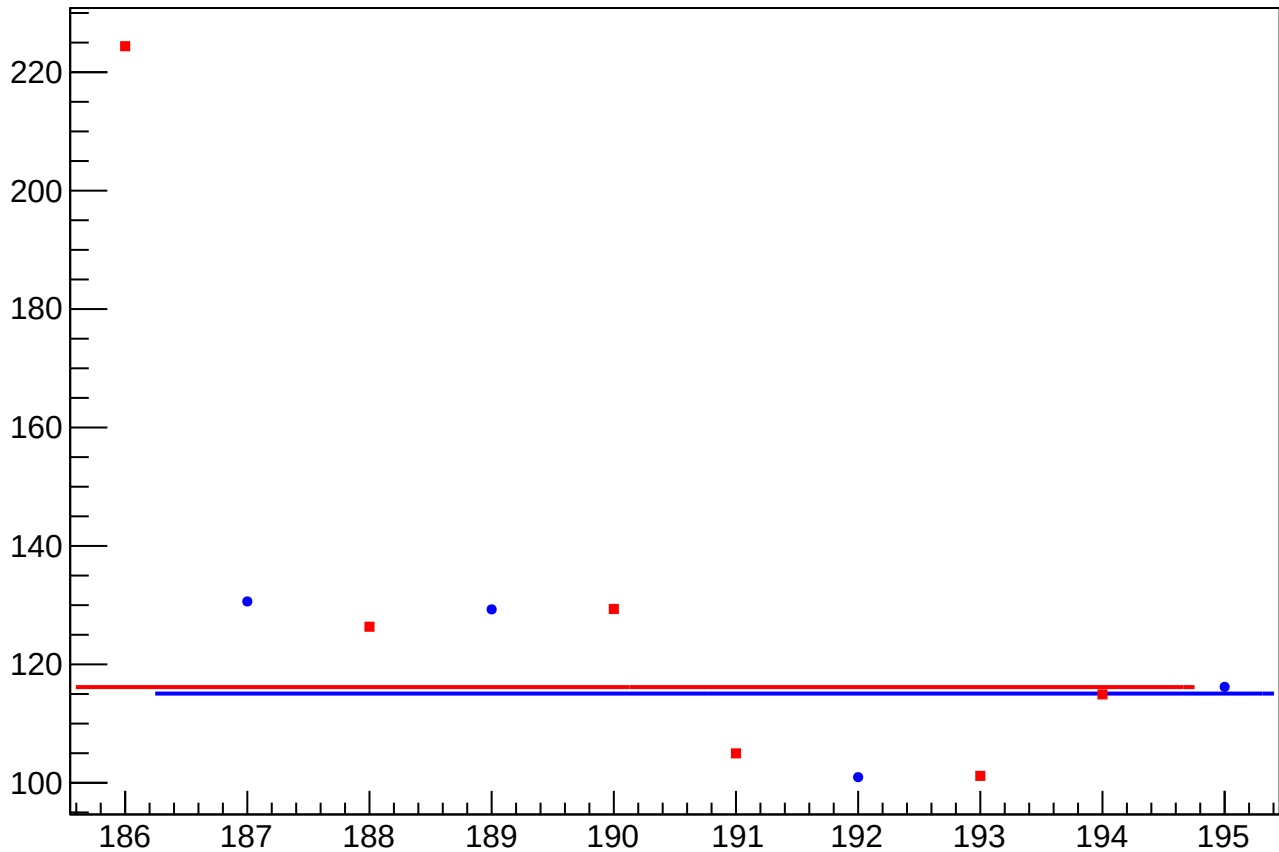
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-20.428 \pm 53.284$   $\chi^2/\text{NDF}$ : 4.6/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_26\_dd\_rms vs Slug



Right In: 115.069 $\pm$ 0.060  $\chi^2$ /NDF: 32322.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 116.165 $\pm$ 0.048  $\chi^2$ /NDF: 223616.3/5

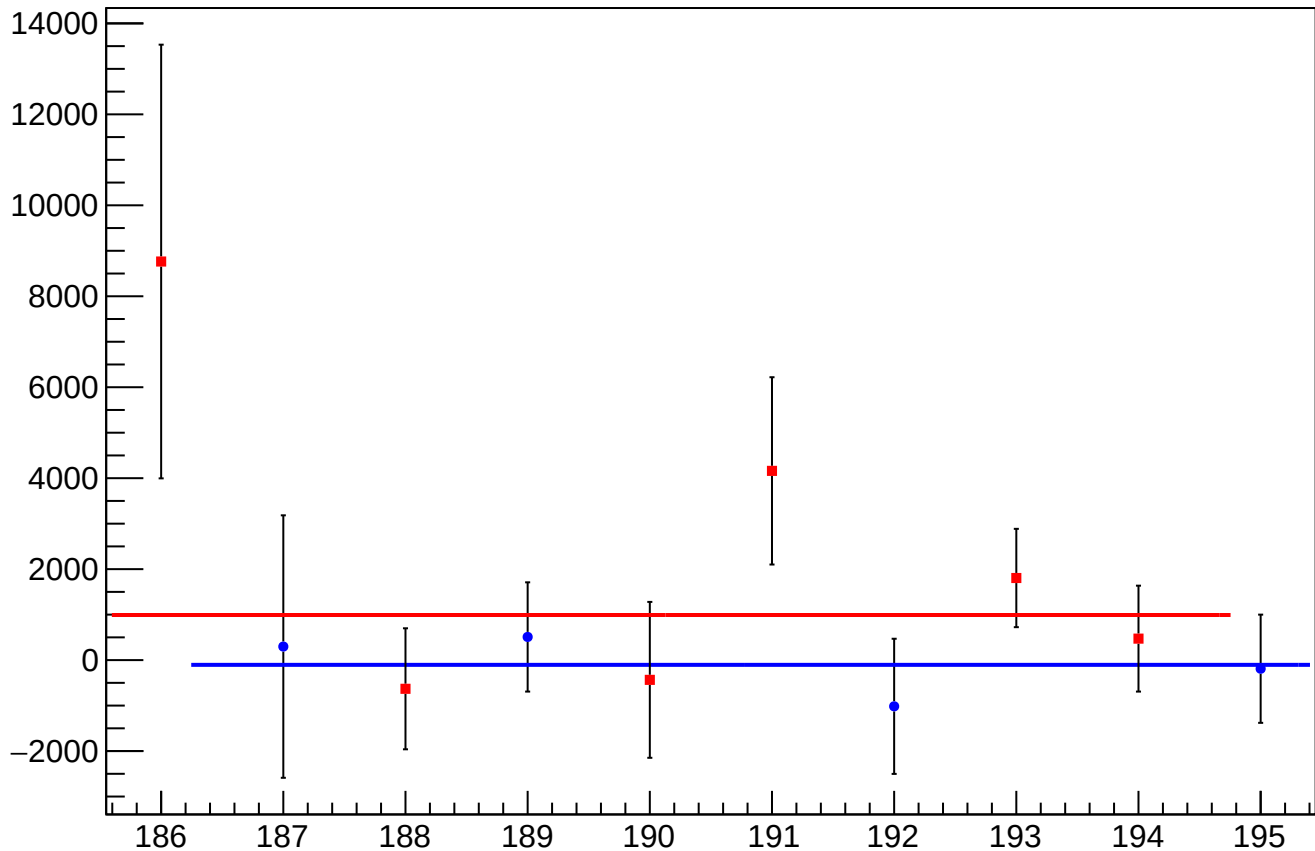
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 115.735 $\pm$ 0.038  $\chi^2$ /NDF: 256140.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_26\_dd\_correction\_mean vs Slug



Right In: -104.369+/-711.965  $\chi^2/\text{NDF}$ : 0.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 991.686+/-599.942  $\chi^2/\text{NDF}$ : 8.0/5

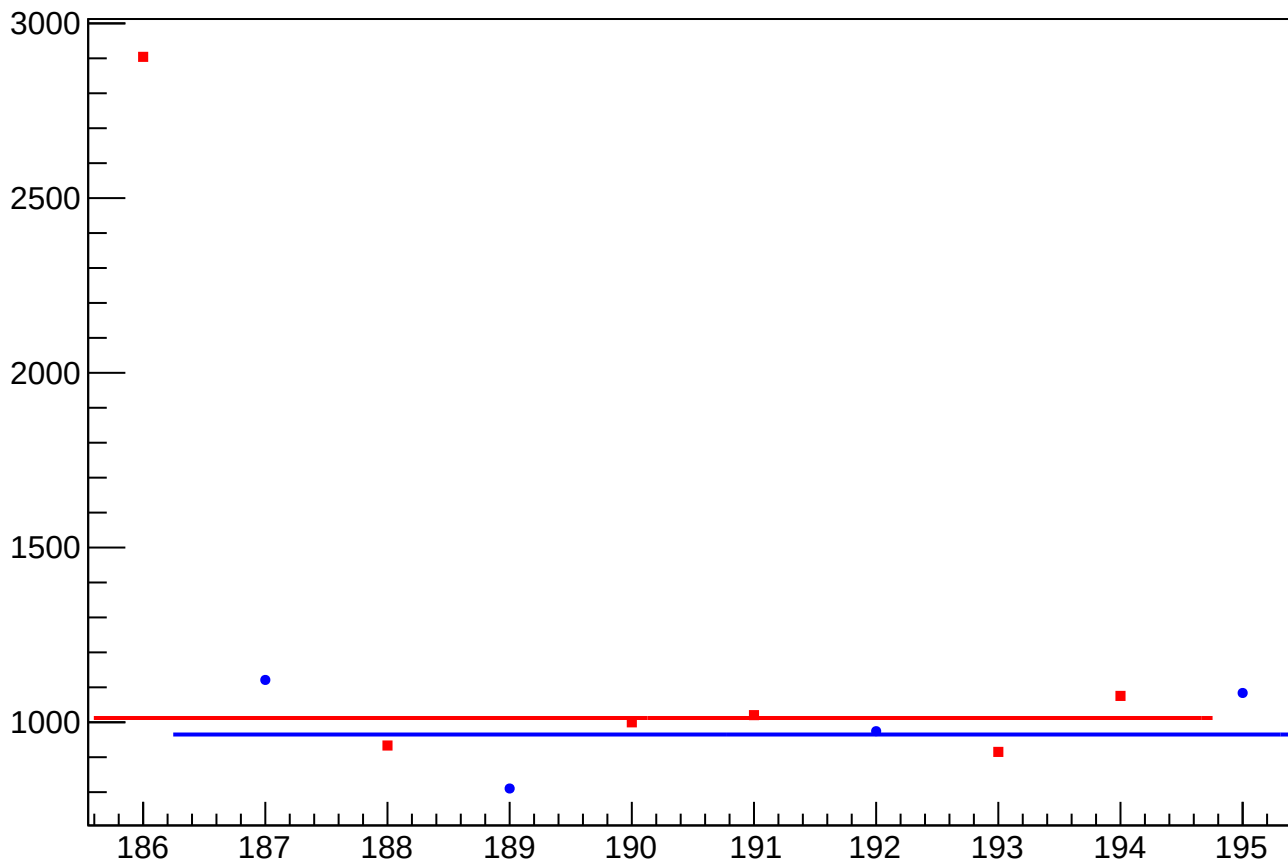
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 536.572+/-458.778  $\chi^2/\text{NDF}$ : 10.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_26\_dd\_correction\_rms vs Slug



Right In: 964.949 $\pm$ 0.503  $\chi^2$ /NDF: 59010.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1012.225 $\pm$ 0.424  $\chi^2$ /NDF: 344062.5/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

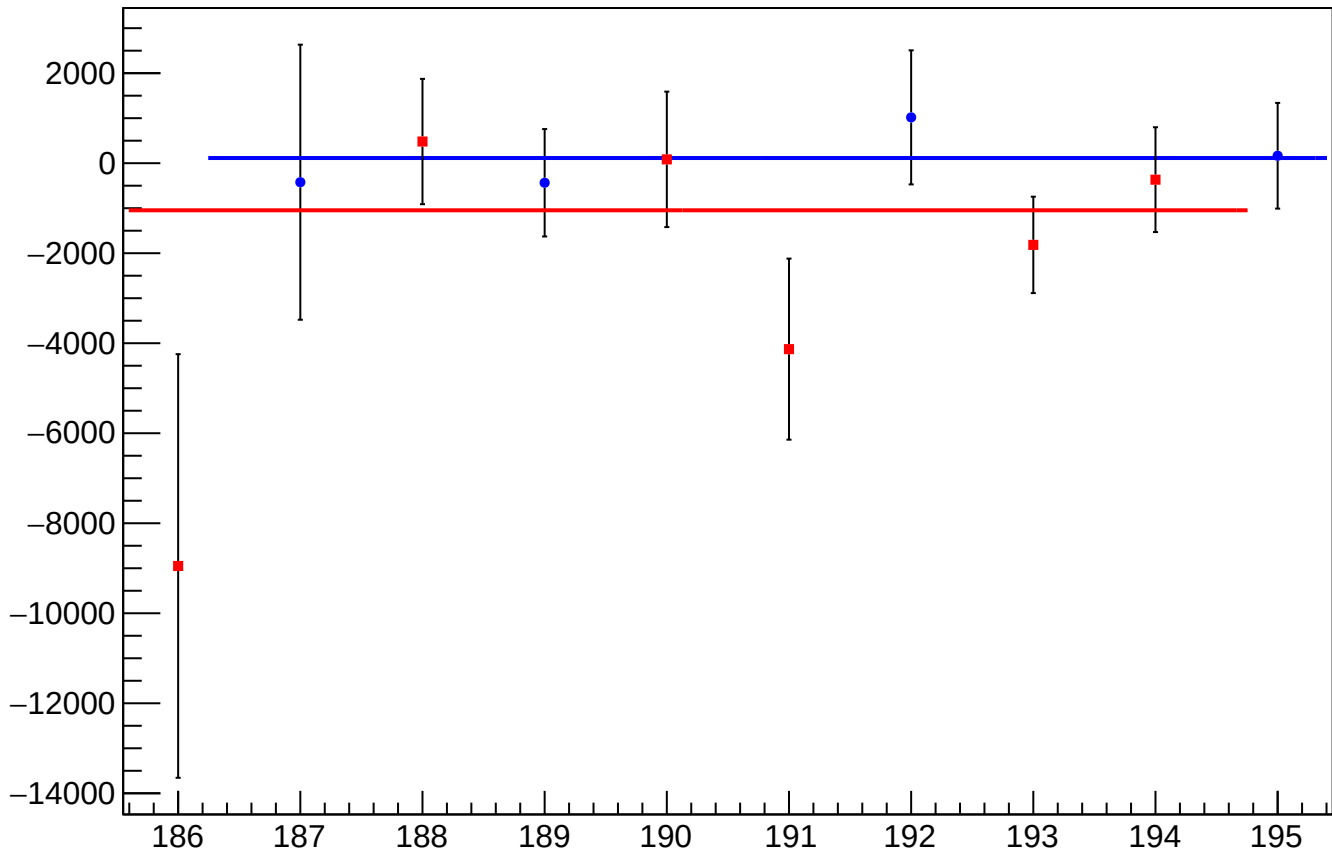
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 992.595 $\pm$ 0.324  $\chi^2$ /NDF: 408229.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_15\_26\_dd\_mean vs Slug



Right In:  $114.875 \pm 709.671$   $\chi^2/\text{NDF}$ : 0.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1046.409 \pm 591.493$   $\chi^2/\text{NDF}$ : 7.8/5

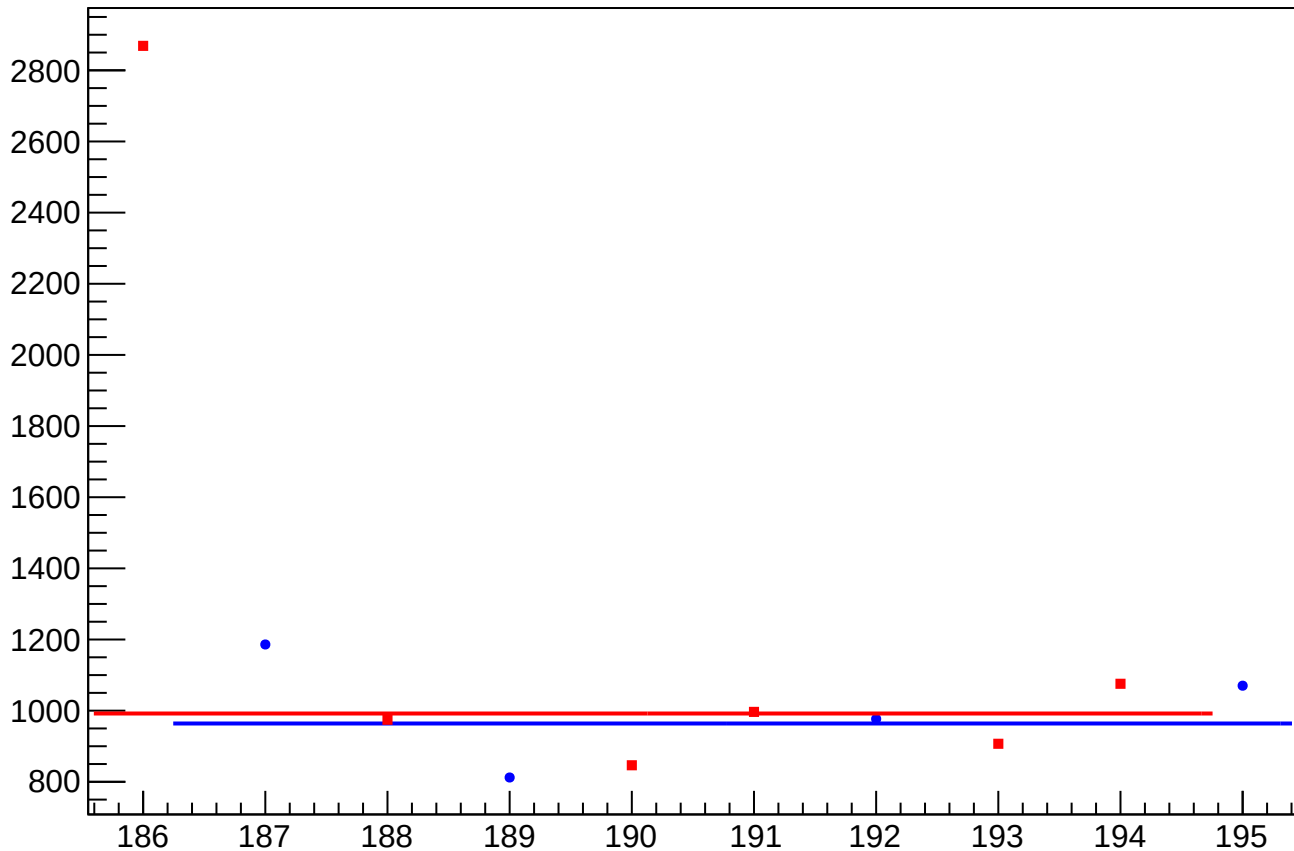
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-570.378 \pm 454.366$   $\chi^2/\text{NDF}$ : 10.0/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_26\_dd\_rms vs Slug



Right In: 963.933+/-0.502  $\chi^2/\text{NDF}$ : 59465.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 992.013+/-0.418  $\chi^2/\text{NDF}$ : 360005.7/5

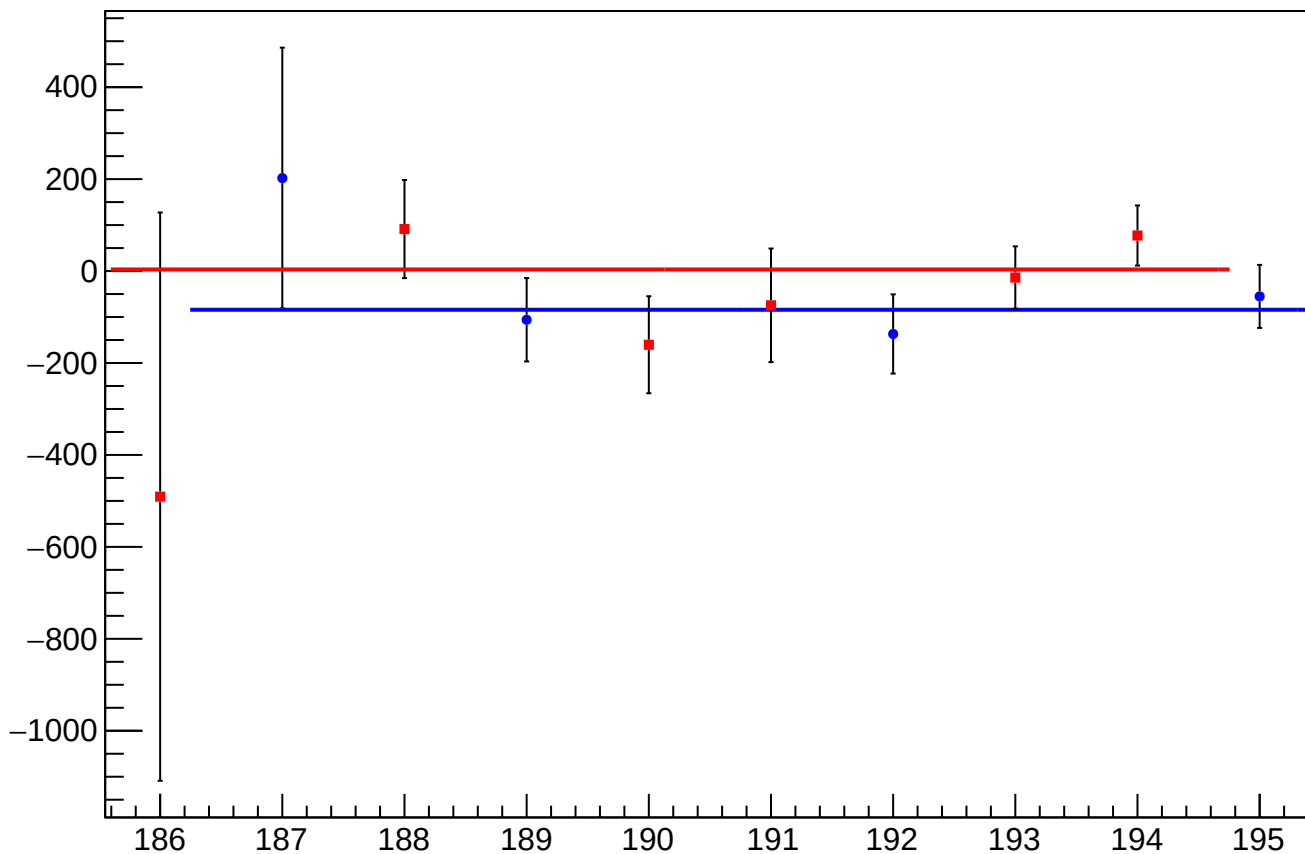
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 980.503+/-0.321  $\chi^2/\text{NDF}$ : 421318.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_26\_dd\_mean vs Slug



Right In:  $-84.190 \pm 45.579$   $\chi^2/\text{NDF}$ : 1.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $3.510 \pm 37.897$   $\chi^2/\text{NDF}$ : 5.5/5

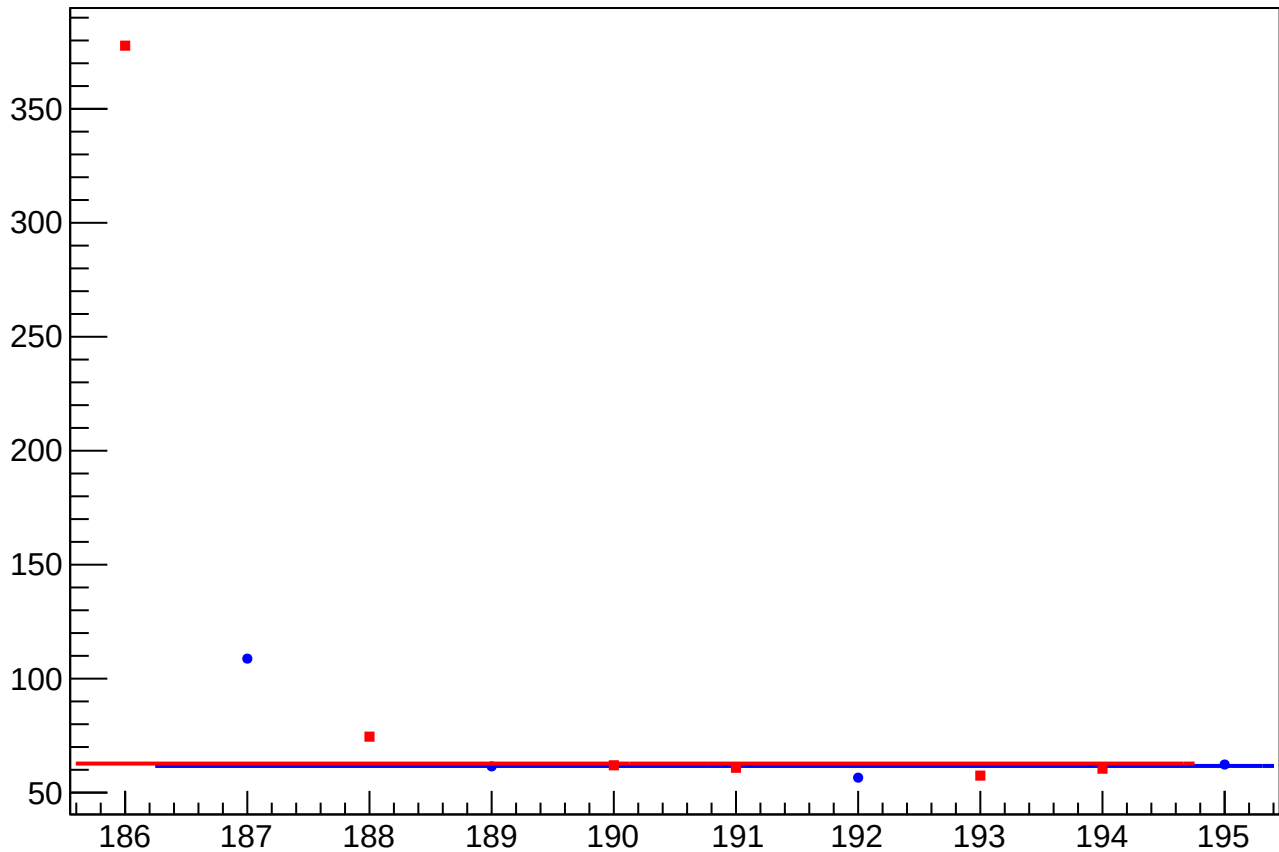
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-32.337 \pm 29.140$   $\chi^2/\text{NDF}$ : 9.3/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_26\_dd\_rms vs Slug



Right In: 61.698+/-0.032  $\chi^2/\text{NDF}$ : 62403.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 62.736+/-0.027  $\chi^2/\text{NDF}$ : 558899.6/5

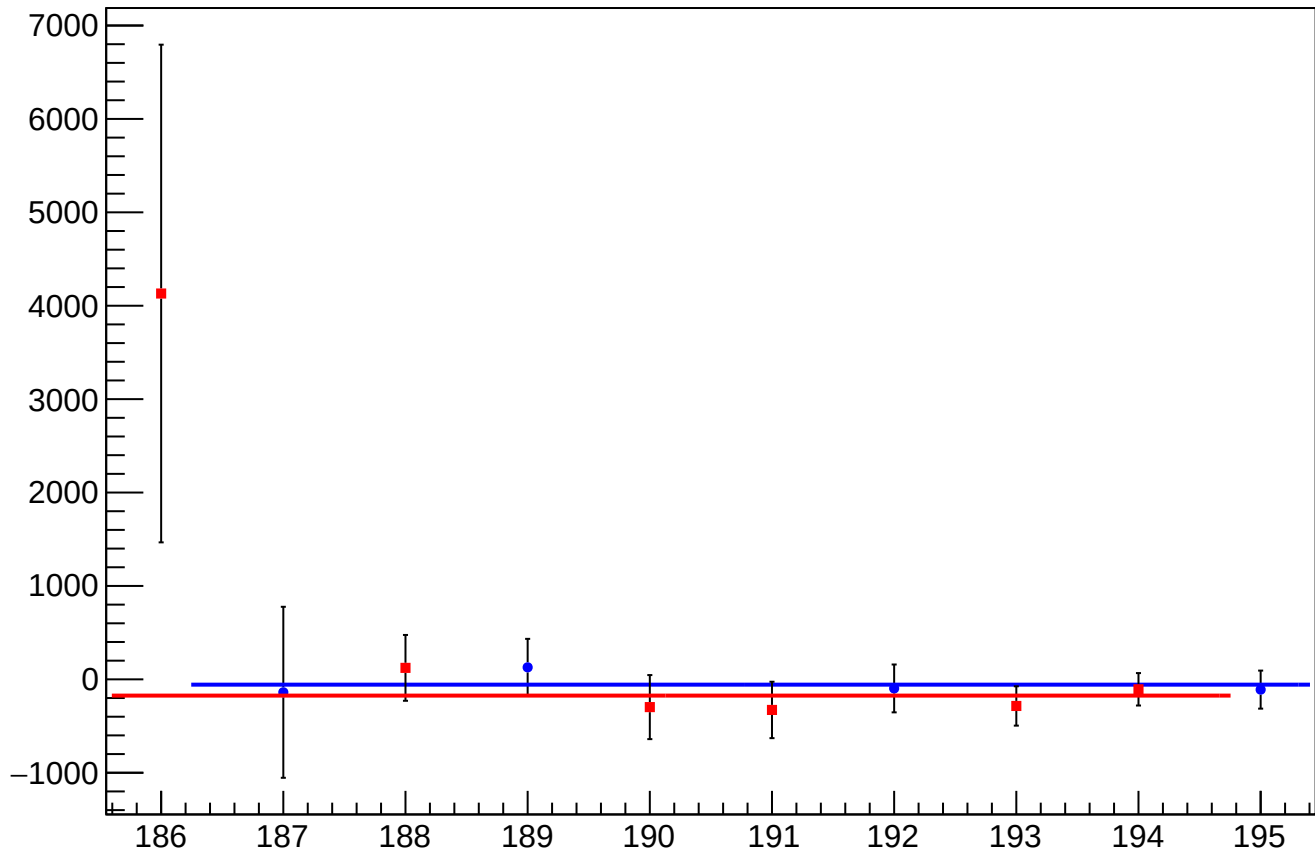
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 62.312+/-0.021  $\chi^2/\text{NDF}$ : 621916.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_26\_dd\_correction\_mean vs Slug



Right In: -56.816+/-139.619  $\chi^2/\text{NDF}$ : 0.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -173.970+/-109.502  $\chi^2/\text{NDF}$ : 4.1/5

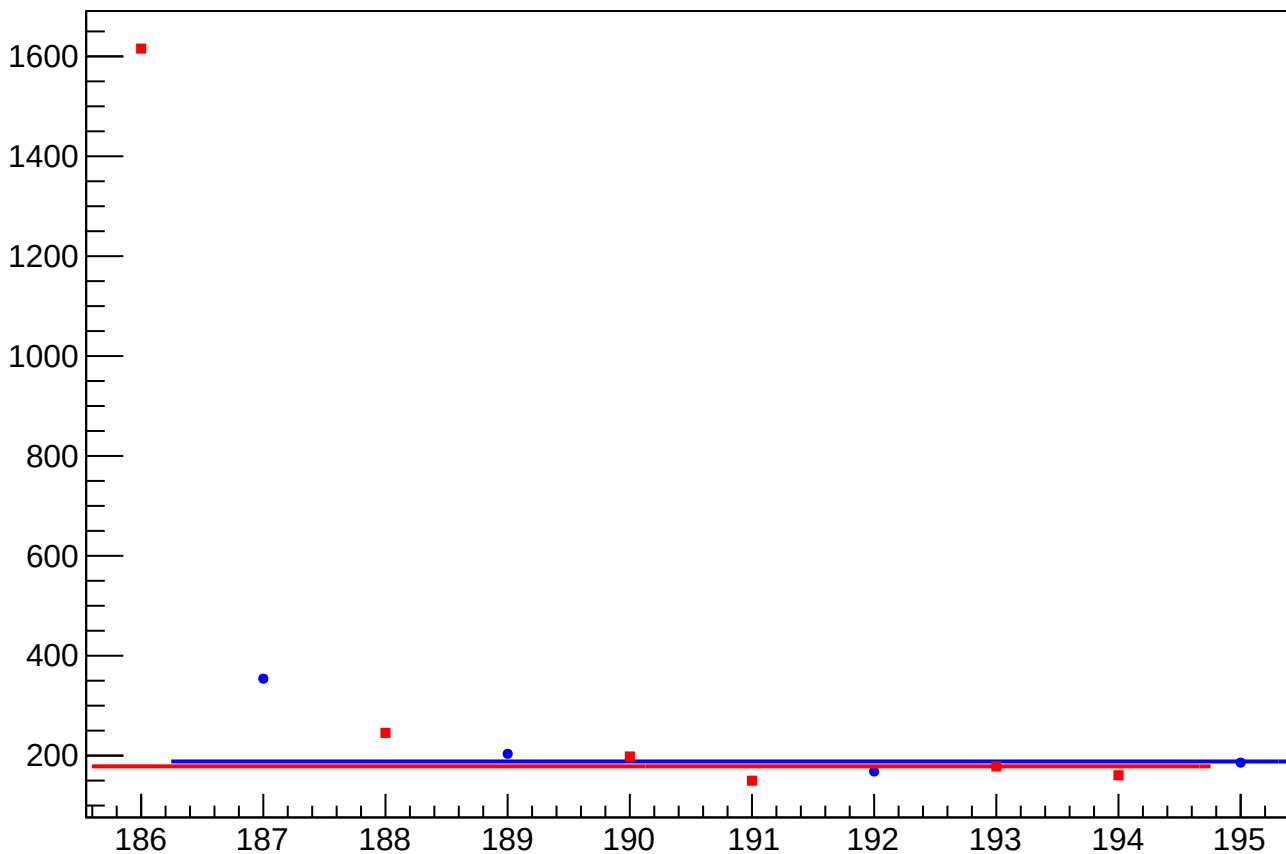
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -129.352+/-86.163  $\chi^2/\text{NDF}$ : 5.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_26\_dd\_correction\_rms vs Slug



Right In: 188.294 $\pm$ 0.099  $\chi^2$ /NDF: 83244.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 178.513 $\pm$ 0.077  $\chi^2$ /NDF: 700052.0/5

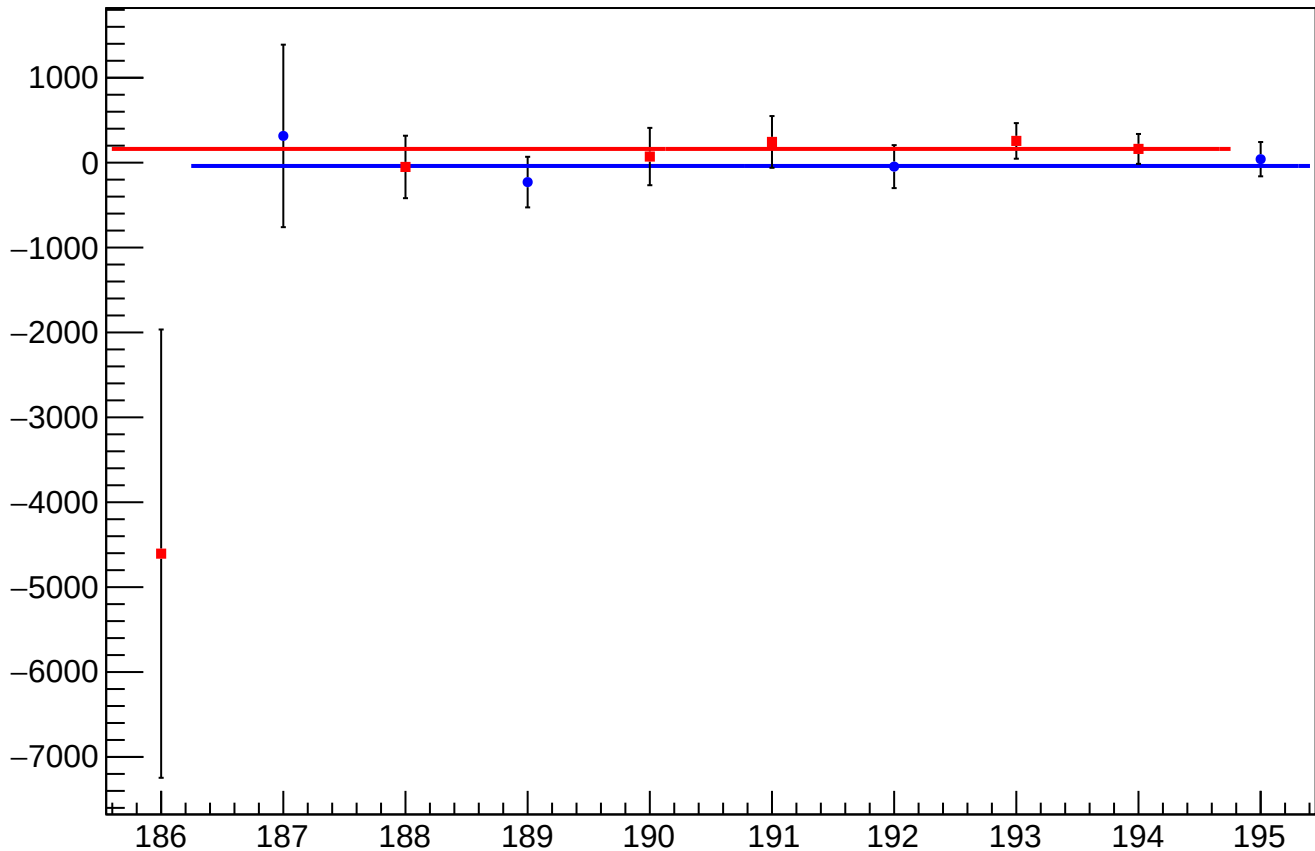
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 182.238 $\pm$ 0.061  $\chi^2$ /NDF: 789373.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_26\_dd\_mean vs Slug



Right In: -38.958 $\pm$ 138.348  $\chi^2$ /NDF: 0.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 161.713 $\pm$ 110.351  $\chi^2$ /NDF: 3.9/5

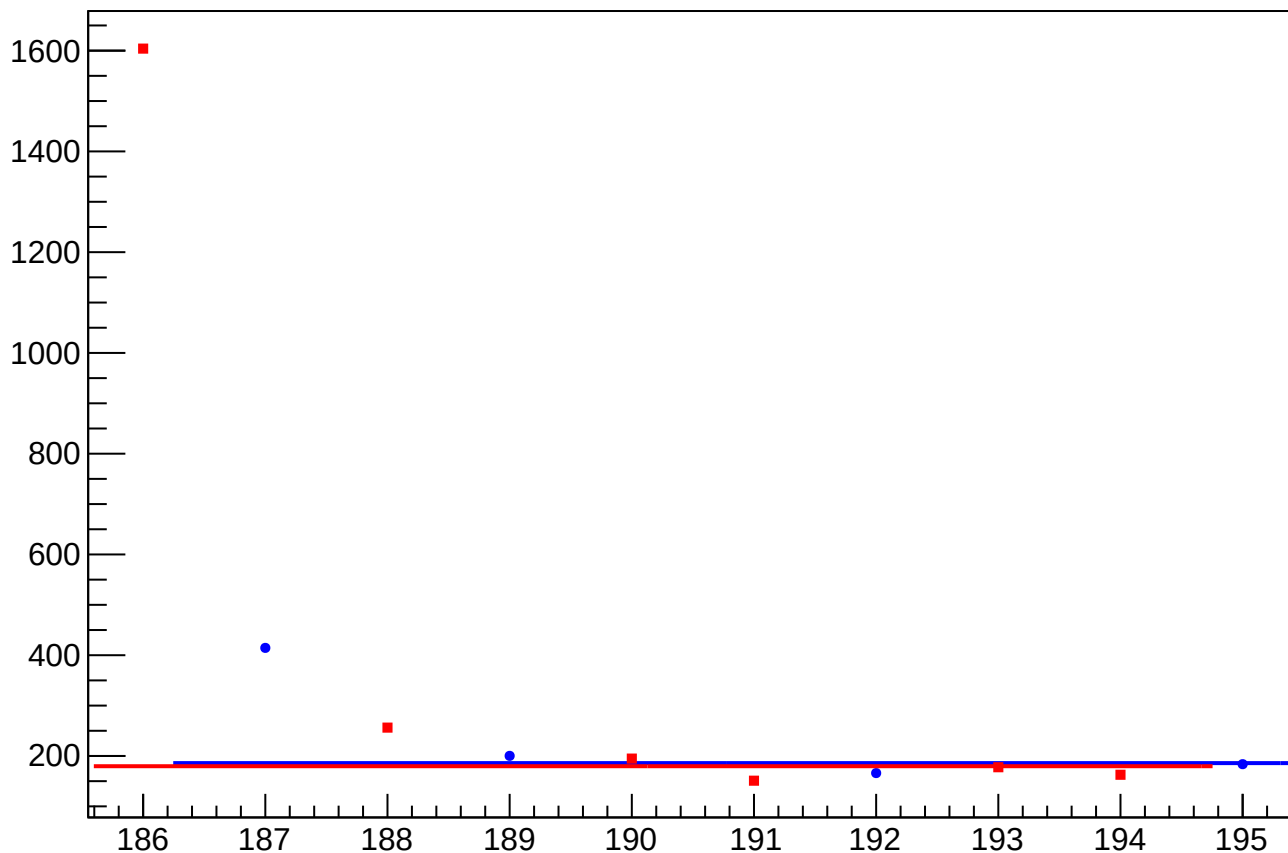
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 83.685 $\pm$ 86.269  $\chi^2$ /NDF: 5.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_26\_dd\_rms vs Slug



Right In: 185.835 $\pm$ 0.098  $\chi^2$ /NDF: 107675.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 179.667 $\pm$ 0.078  $\chi^2$ /NDF: 709438.9/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

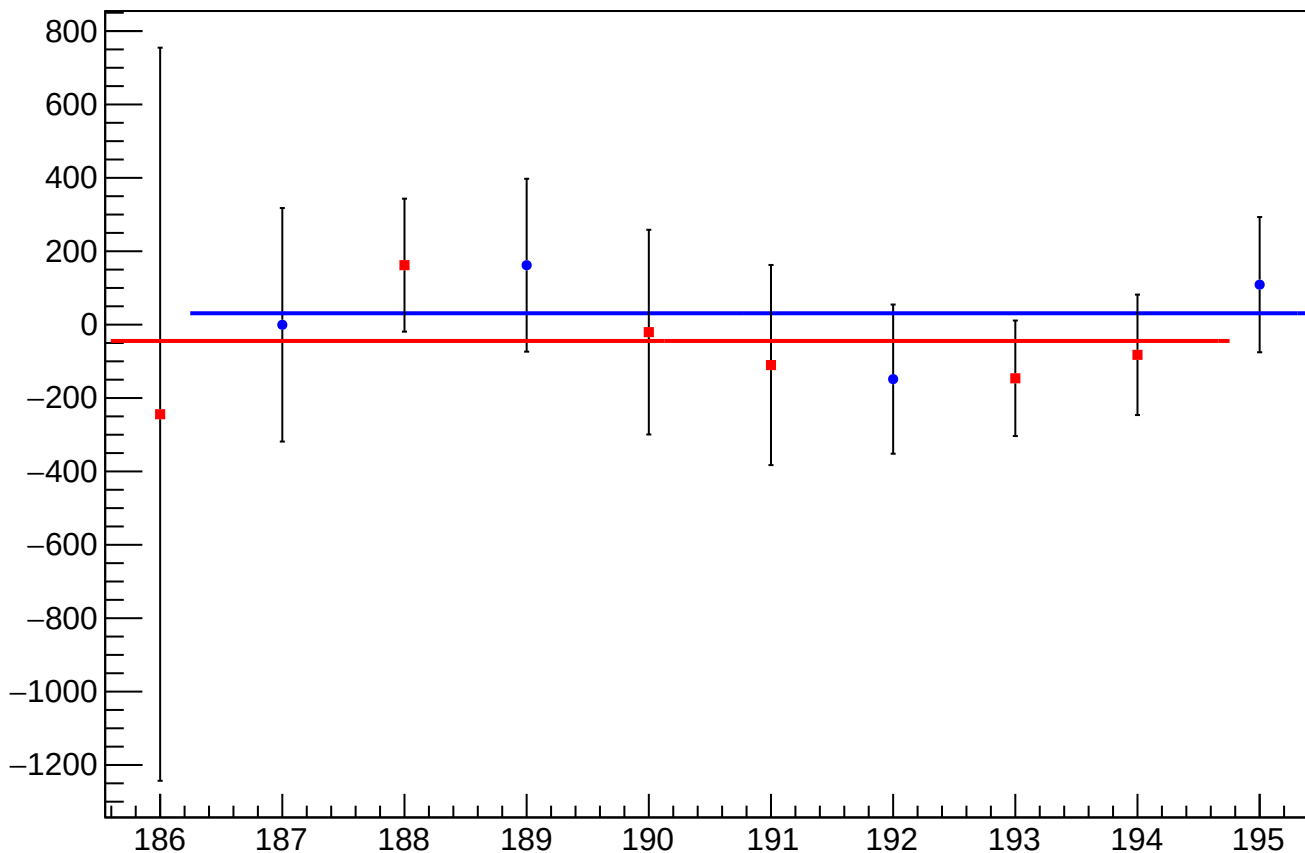
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 182.065 $\pm$ 0.061  $\chi^2$ /NDF: 819544.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_asym\_sam\_1357\_avg\_mean vs Slug



Right In: 30.985 $\pm$ 110.734  $\chi^2$ /NDF: 1.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -44.425 $\pm$ 85.987  $\chi^2$ /NDF: 1.9/5

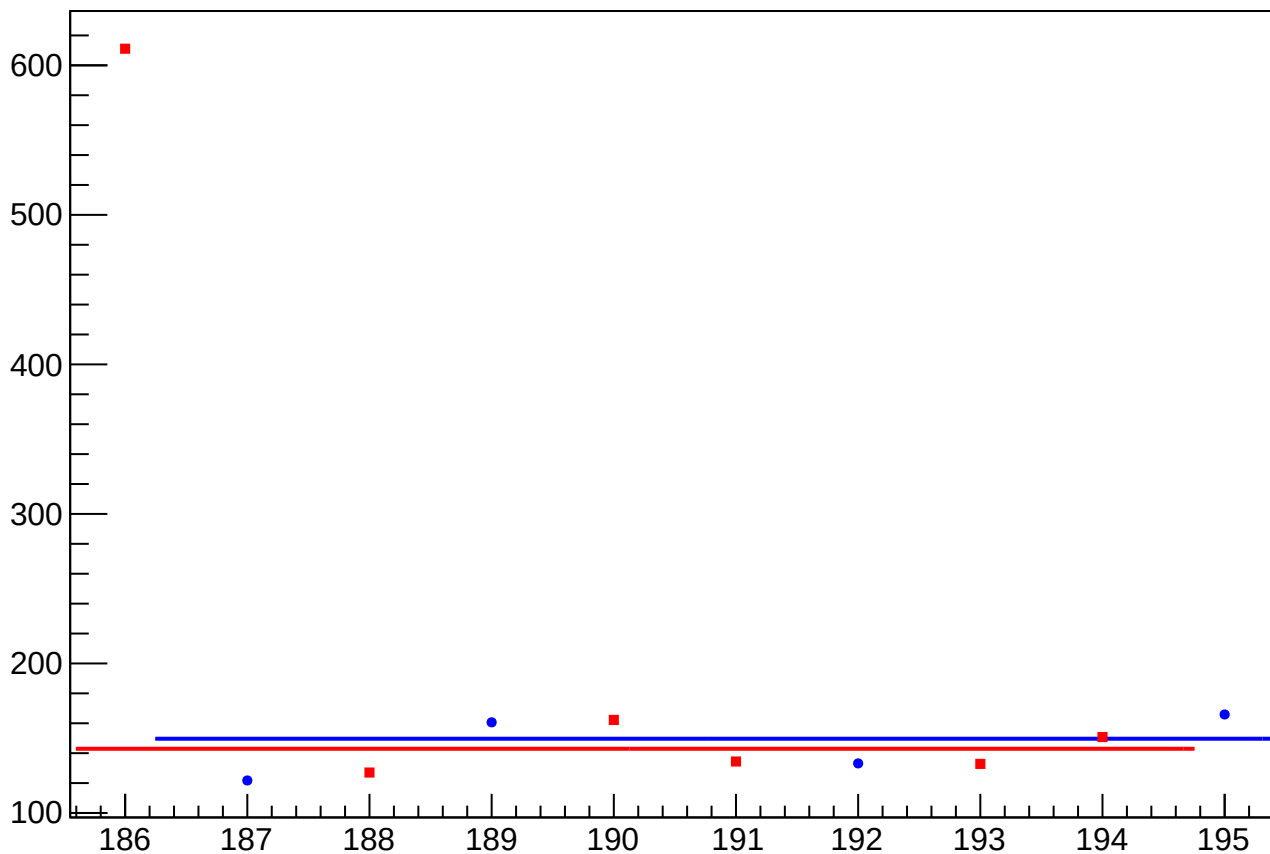
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -16.058 $\pm$ 67.915  $\chi^2$ /NDF: 3.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1357\_avg\_rms vs Slug



Right In: 149.664 $\pm$ 0.078  $\chi^2$ /NDF: 48405.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 142.950 $\pm$ 0.061  $\chi^2$ /NDF: 479006.0/5

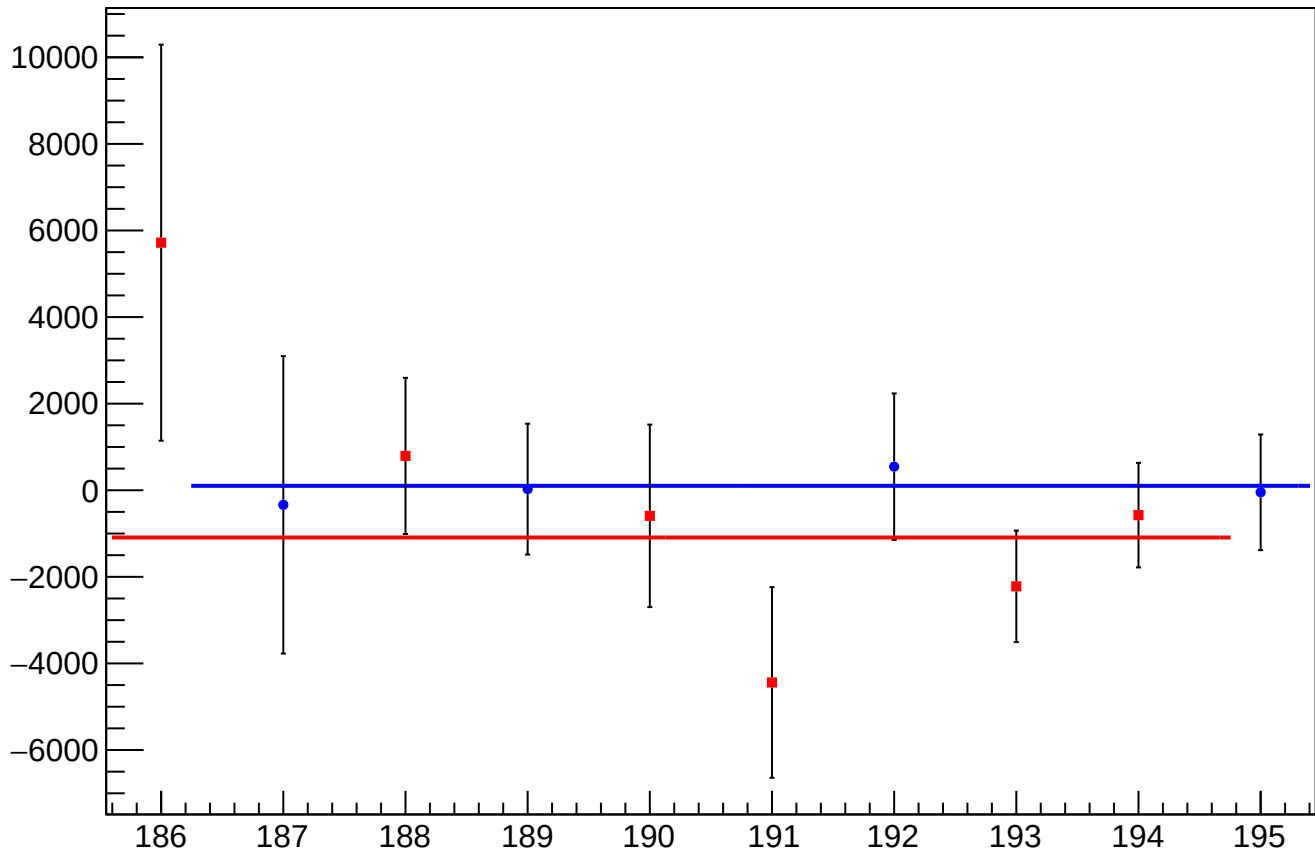
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 145.476 $\pm$ 0.048  $\chi^2$ /NDF: 531997.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_avg\_correction\_mean vs Slug



Right In: 102.259 $\pm$ 835.581  $\chi^2$ /NDF: 0.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1091.415 $\pm$ 694.036  $\chi^2$ /NDF: 6.6/5

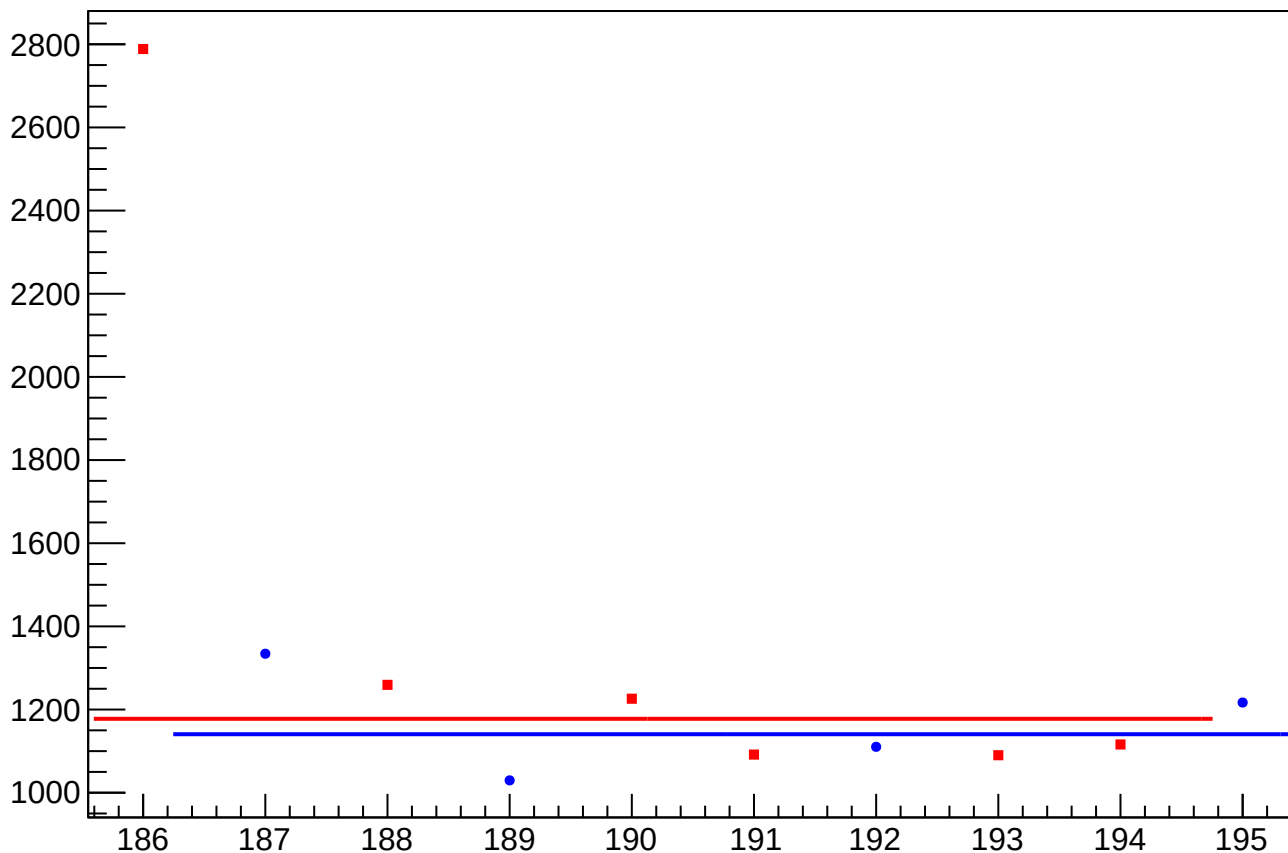
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -604.099 $\pm$ 533.889  $\chi^2$ /NDF: 7.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_avg\_correction\_rms vs Slug



Right In: 1140.642 $\pm$ 0.591  $\chi^2$ /NDF: 24274.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1177.752 $\pm$ 0.491  $\chi^2$ /NDF: 270750.6/5

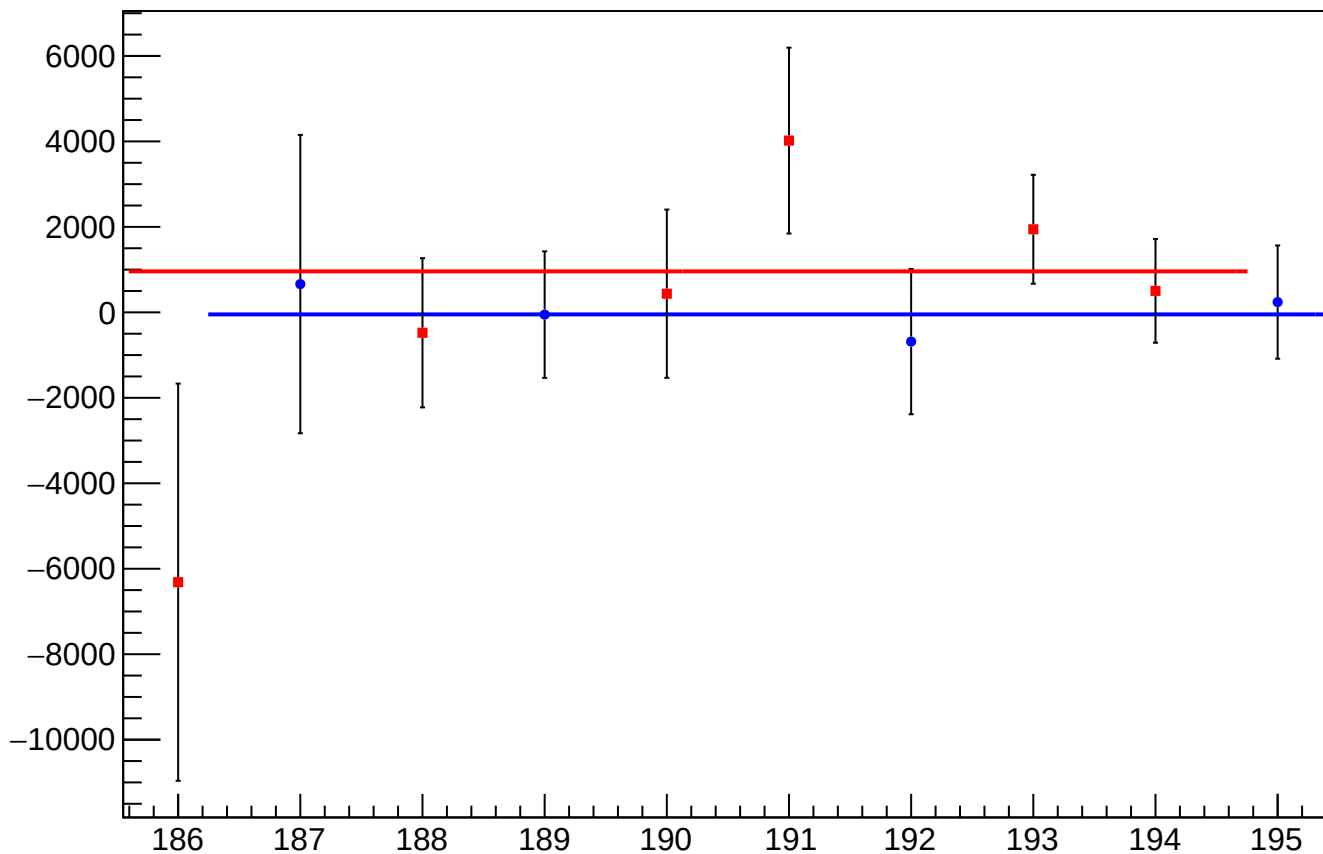
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1162.602 $\pm$ 0.378  $\chi^2$ /NDF: 297359.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_avg\_mean vs Slug



Right In:  $-48.207 \pm 829.535$   $\chi^2/\text{NDF}$ : 0.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $958.840 \pm 683.723$   $\chi^2/\text{NDF}$ : 5.9/5

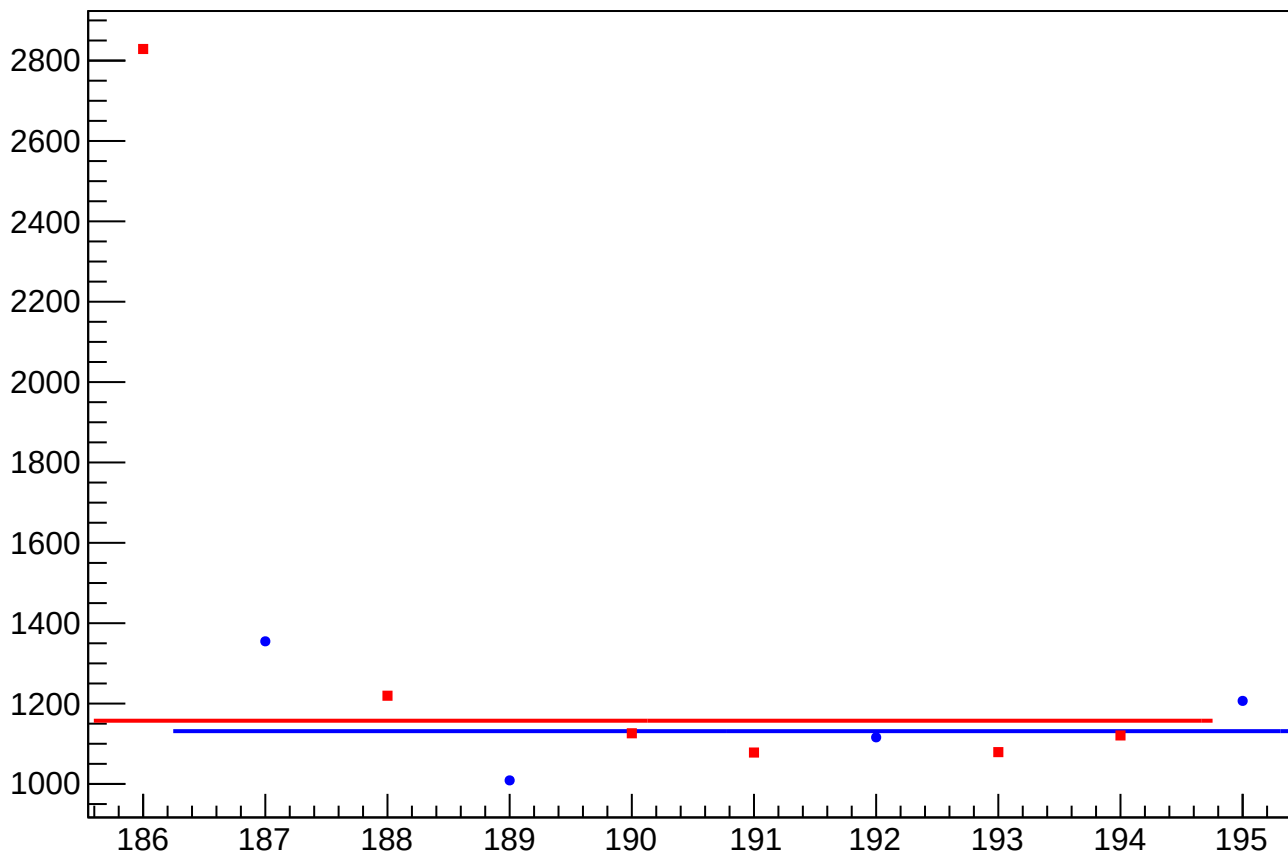
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $551.459 \pm 527.607$   $\chi^2/\text{NDF}$ : 7.0/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1357\_avg\_rms vs Slug



Right In: 1131.385 $\pm$ 0.587  $\chi^2$ /NDF: 28508.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1157.329 $\pm$ 0.483  $\chi^2$ /NDF: 273754.8/5

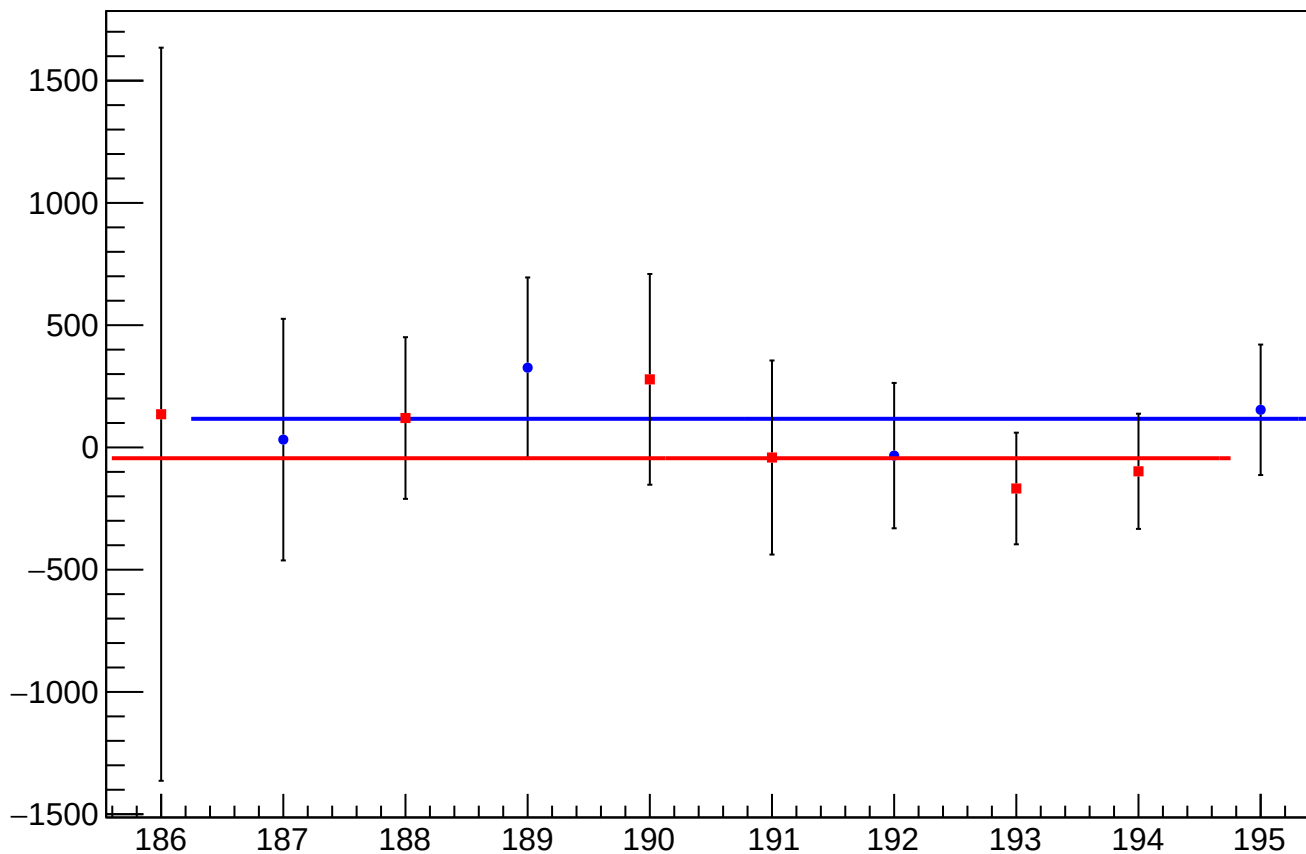
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1146.834 $\pm$ 0.373  $\chi^2$ /NDF: 303428.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_2468\_avg\_mean vs Slug



Right In: 117.086 $\pm$ 164.829  $\chi^2$ /NDF: 0.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -44.151 $\pm$ 130.697  $\chi^2$ /NDF: 1.2/5

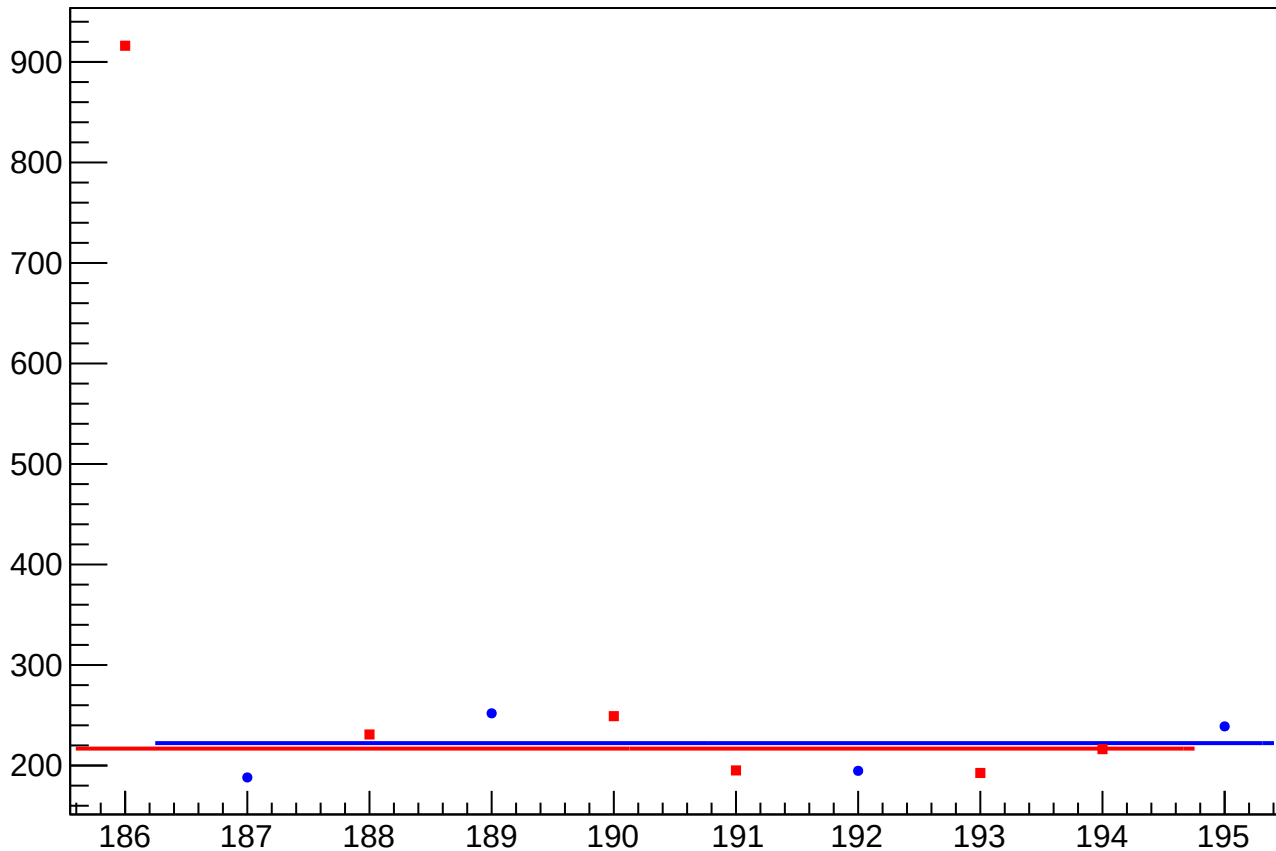
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 18.091 $\pm$ 102.410  $\chi^2$ /NDF: 2.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_2468\_avg\_rms vs Slug



Right In: 222.291 $\pm$ 0.117  $\chi^2$ /NDF: 47465.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 216.857 $\pm$ 0.092  $\chi^2$ /NDF: 478544.4/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

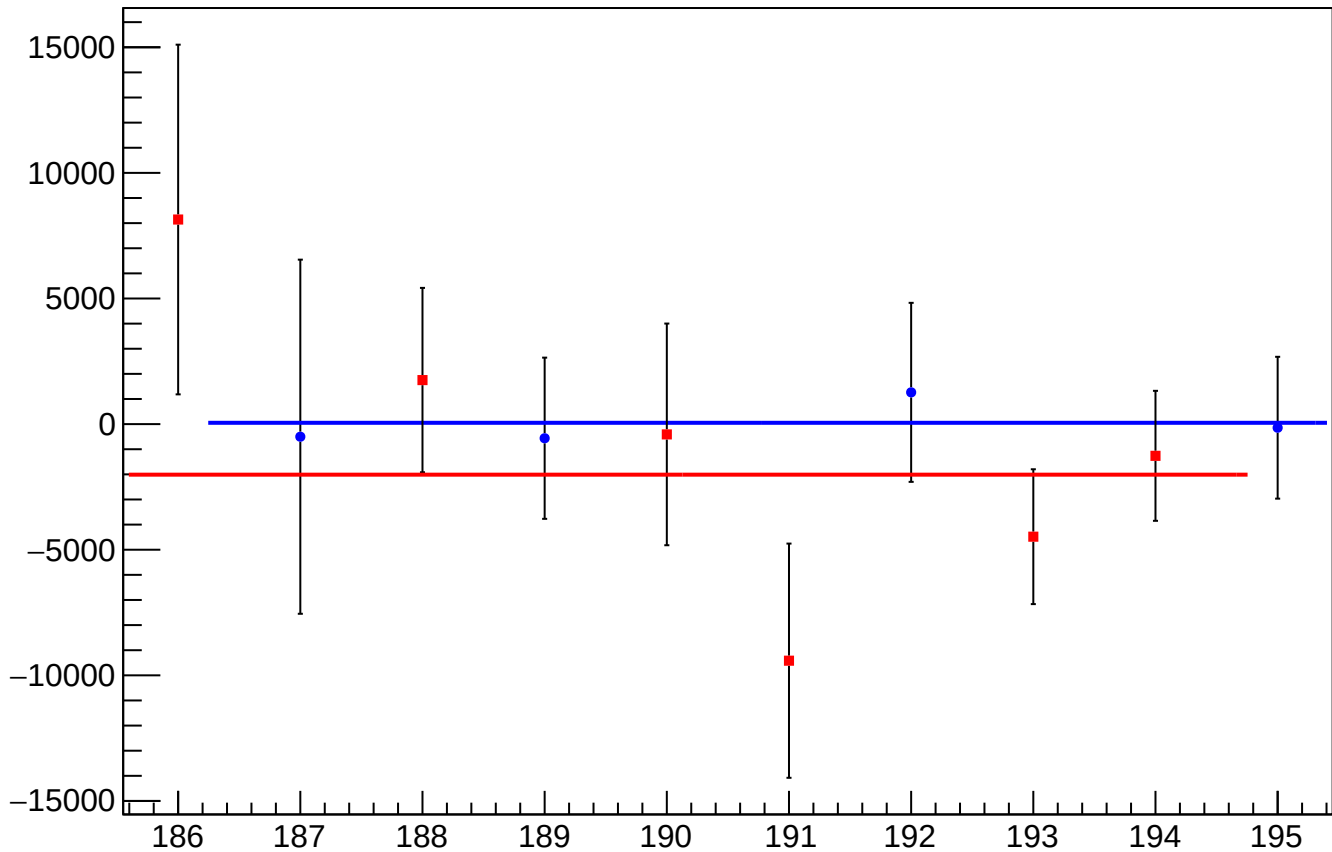
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 218.954 $\pm$ 0.072  $\chi^2$ /NDF: 527344.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_2468\_avg\_correction\_mean vs Slug



Right In: 52.262 $\pm$ 1763.545  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2012.321 $\pm$ 1442.556  $\chi^2$ /NDF: 6.8/5

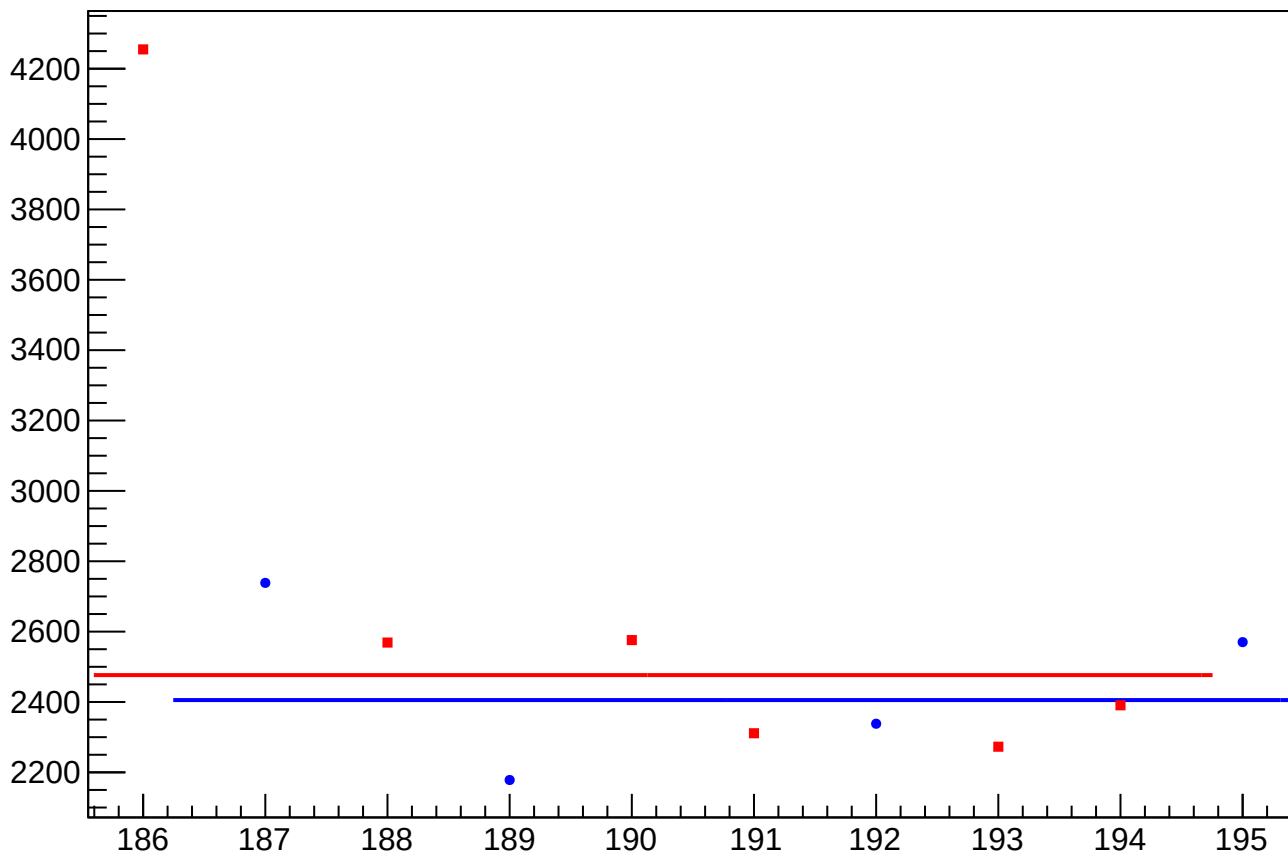
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1184.681 $\pm$ 1116.584  $\chi^2$ /NDF: 7.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_2468\_avg\_correction\_rms vs Slug



Right In: 2405.430+/-1.247  $\chi^2/\text{NDF}$ : 22014.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2476.445+/-1.020  $\chi^2/\text{NDF}$ : 149101.6/5

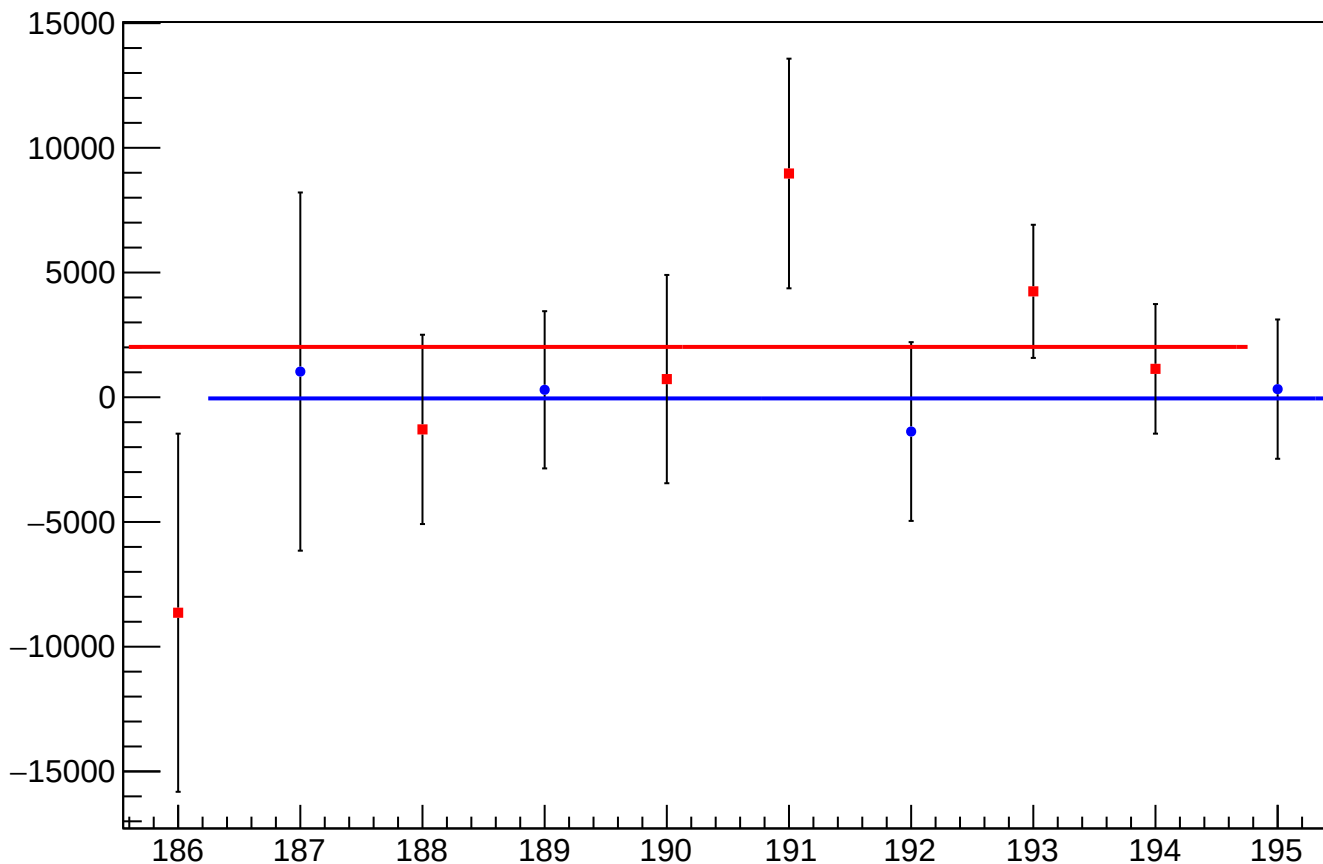
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2447.976+/-0.790  $\chi^2/\text{NDF}$ : 173058.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_2468\_avg\_mean vs Slug



Right In: -46.670 $\pm$ 1750.882  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2018.139 $\pm$ 1440.399  $\chi^2$ /NDF: 6.2/5

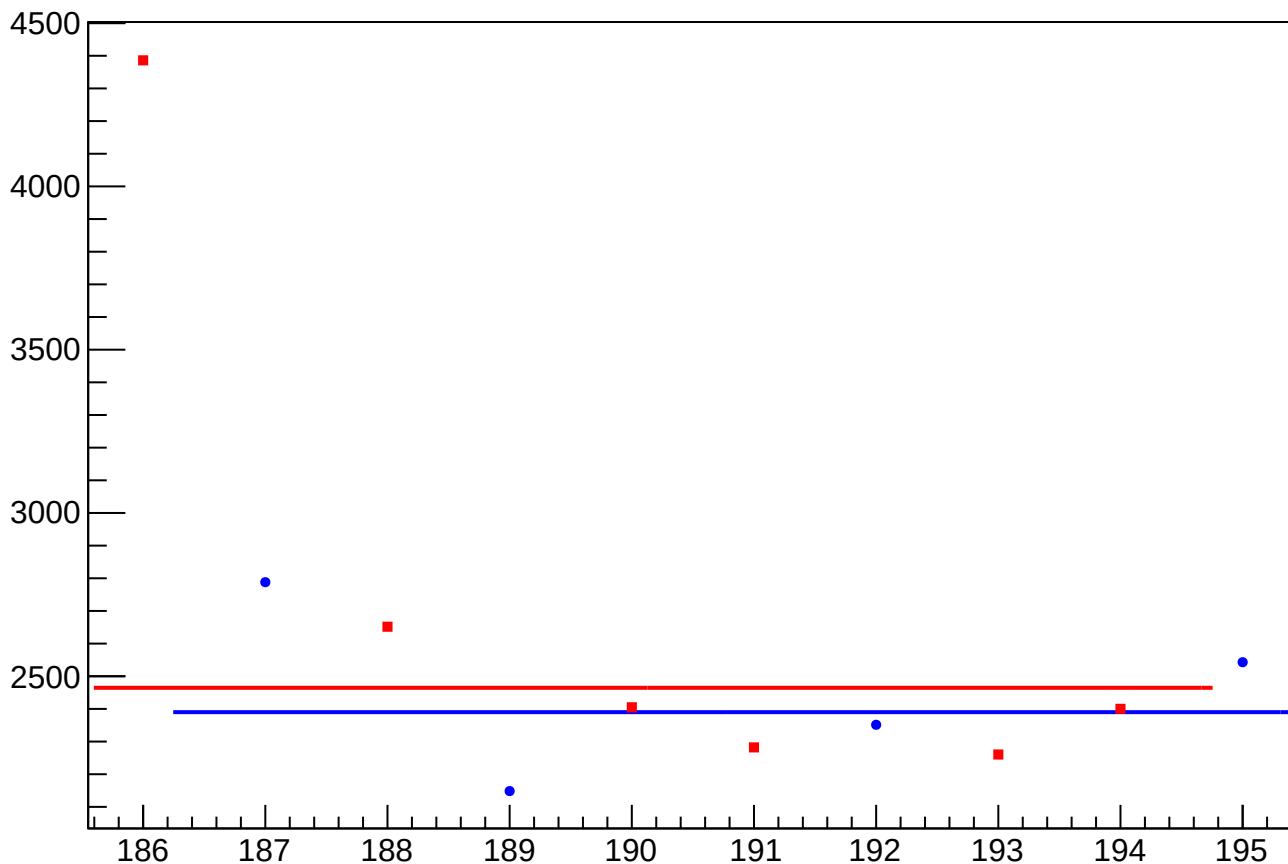
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1184.738 $\pm$ 1112.356  $\chi^2$ /NDF: 7.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_2468\_avg\_rms vs Slug



Right In: 2390.035+/-1.238  $\chi^2/\text{NDF}$ : 24136.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2464.676+/-1.019  $\chi^2/\text{NDF}$ : 164632.6/5

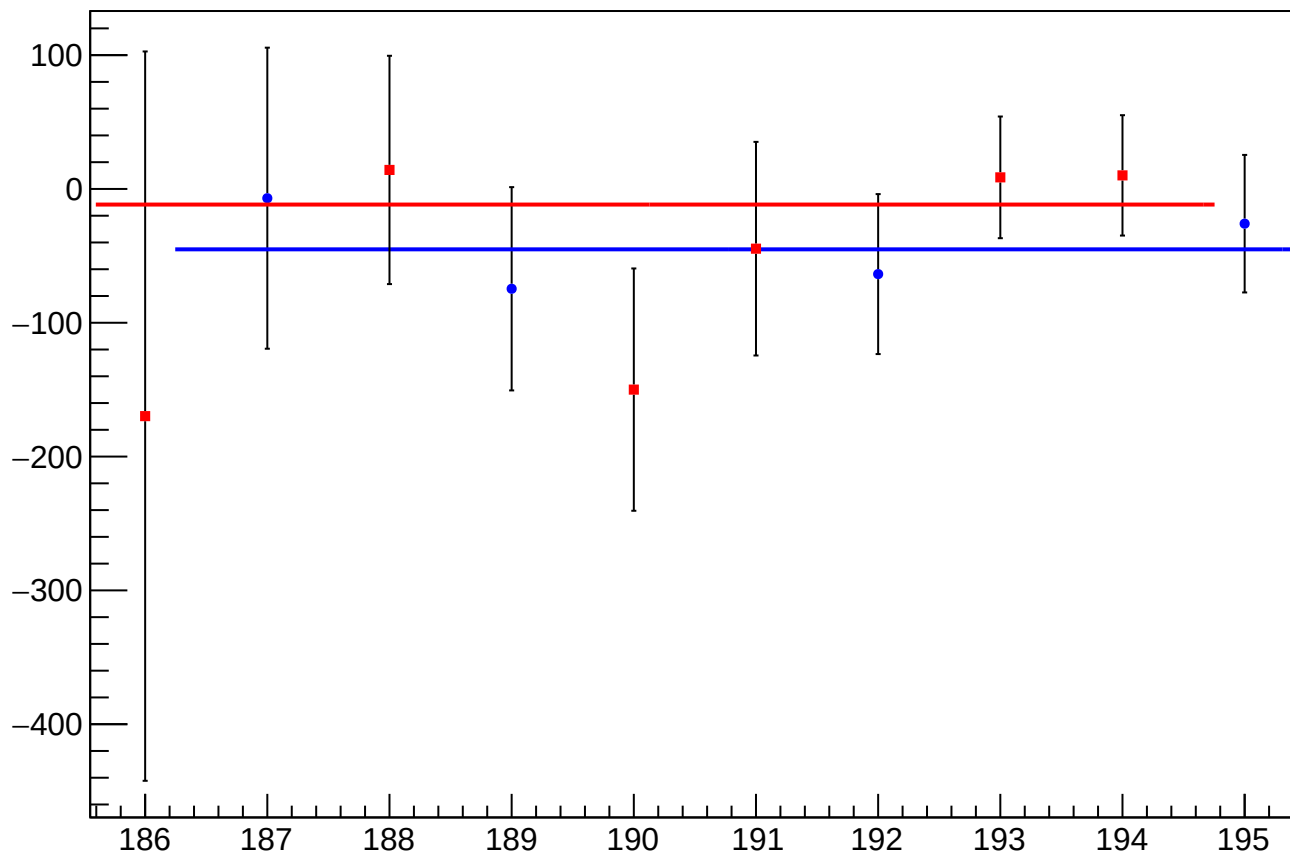
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2434.550+/-0.787  $\chi^2/\text{NDF}$ : 190936.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1357\_2468\_dd\_mean vs Slug



Right In: -45.135 $\pm$ 33.134  $\chi^2$ /NDF: 0.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -11.668 $\pm$ 26.651  $\chi^2$ /NDF: 3.4/5

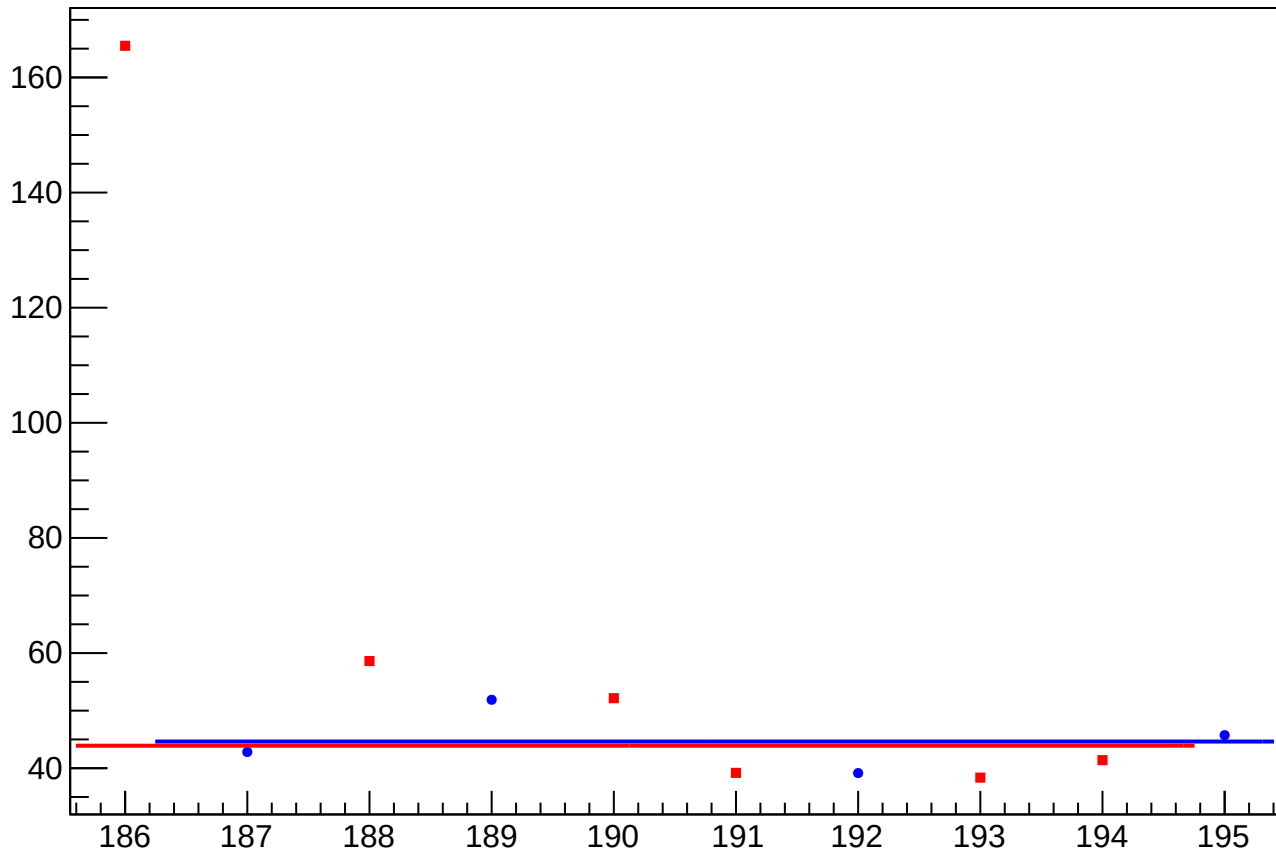
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -24.815 $\pm$ 20.767  $\chi^2$ /NDF: 4.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1357\_2468\_dd\_rms vs Slug



Right In: 44.632+/-0.023  $\chi^2/\text{NDF}$ : 36492.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 43.909+/-0.019  $\chi^2/\text{NDF}$ : 517151.8/5

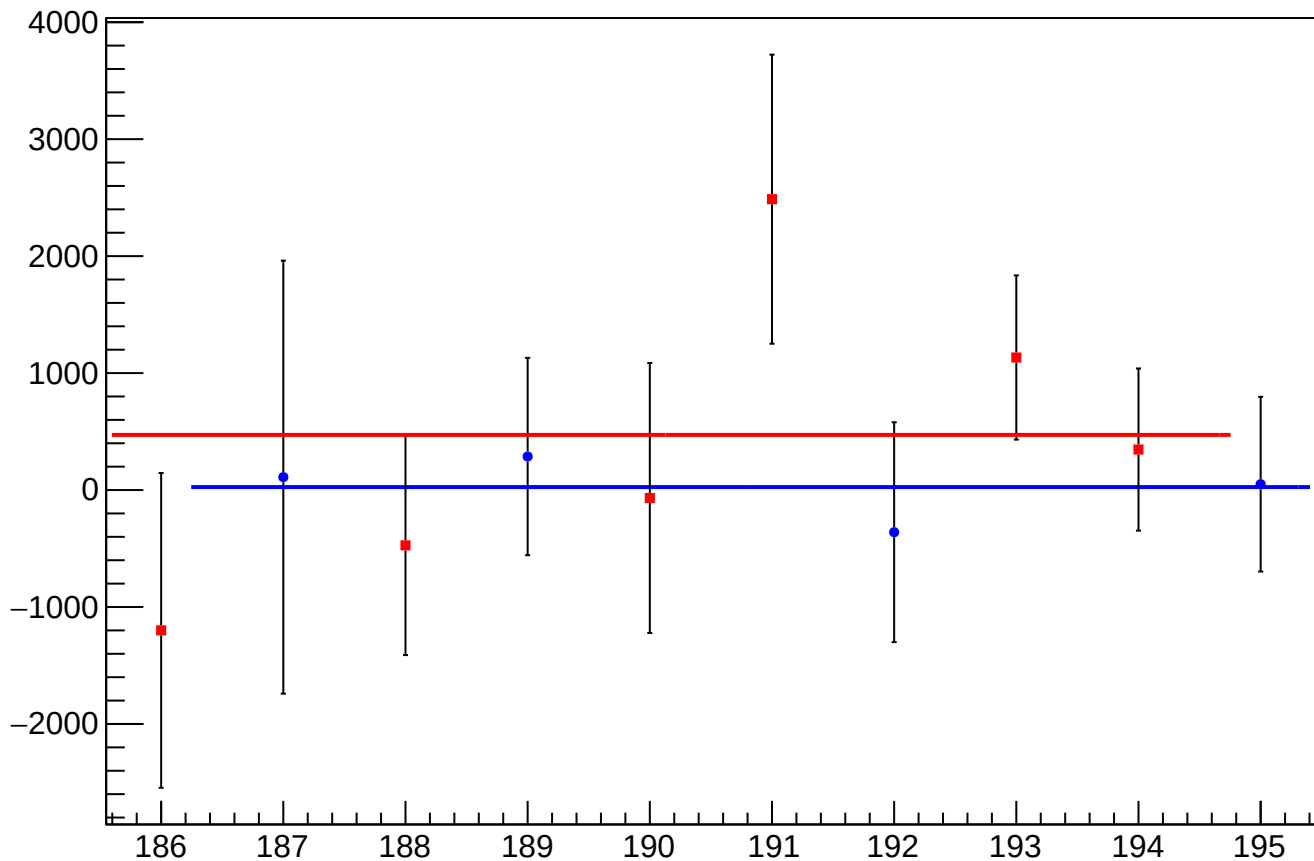
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 44.193+/-0.015  $\chi^2/\text{NDF}$ : 554222.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1357\_2468\_dd\_correction\_mean vs Slug



Right In: 25.386+/-465.127  $\chi^2$ /NDF: 0.3/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 471.572+/-372.546  $\chi^2$ /NDF: 6.4/5

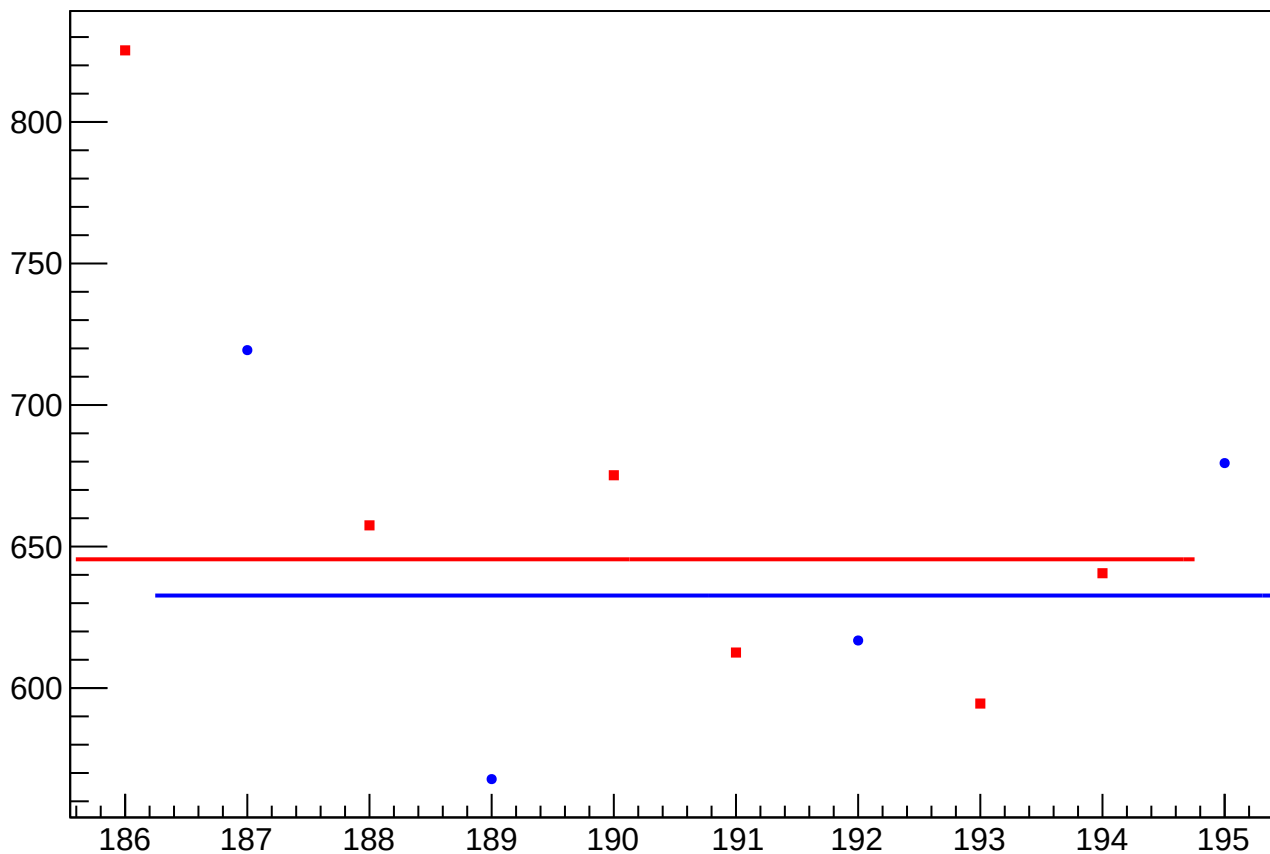
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 297.197+/-290.774  $\chi^2$ /NDF: 7.2/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_2468\_dd\_correction\_rms vs Slug



Right In: 632.696 $\pm$ 0.329  $\chi^2$ /NDF: 24635.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 645.494 $\pm$ 0.263  $\chi^2$ /NDF: 49416.3/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

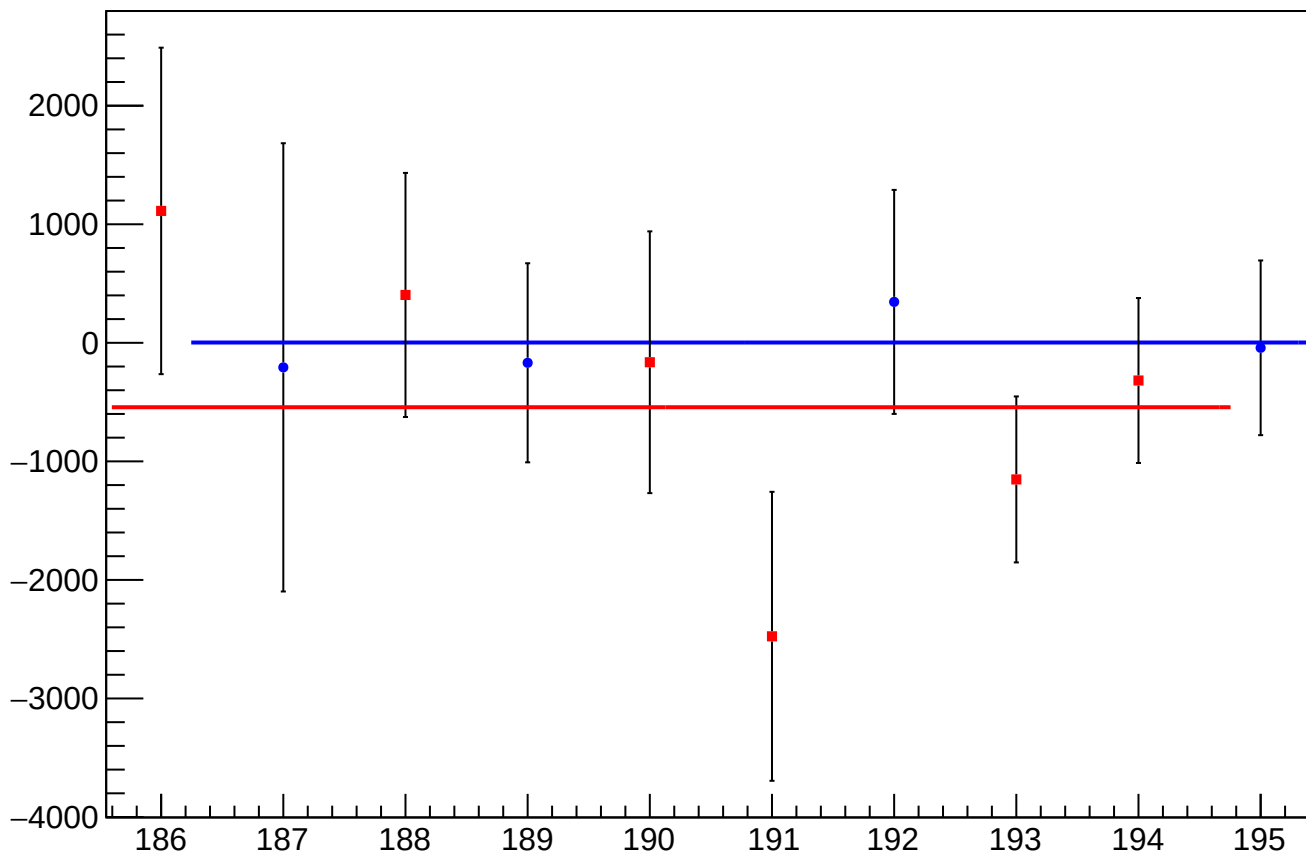
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 640.493 $\pm$ 0.206  $\chi^2$ /NDF: 74974.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_1357\_2468\_dd\_mean vs Slug



Right In: 2.569+/-463.193  $\chi^2/\text{NDF}$ : 0.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -543.289+/-376.048  $\chi^2/\text{NDF}$ : 5.8/5

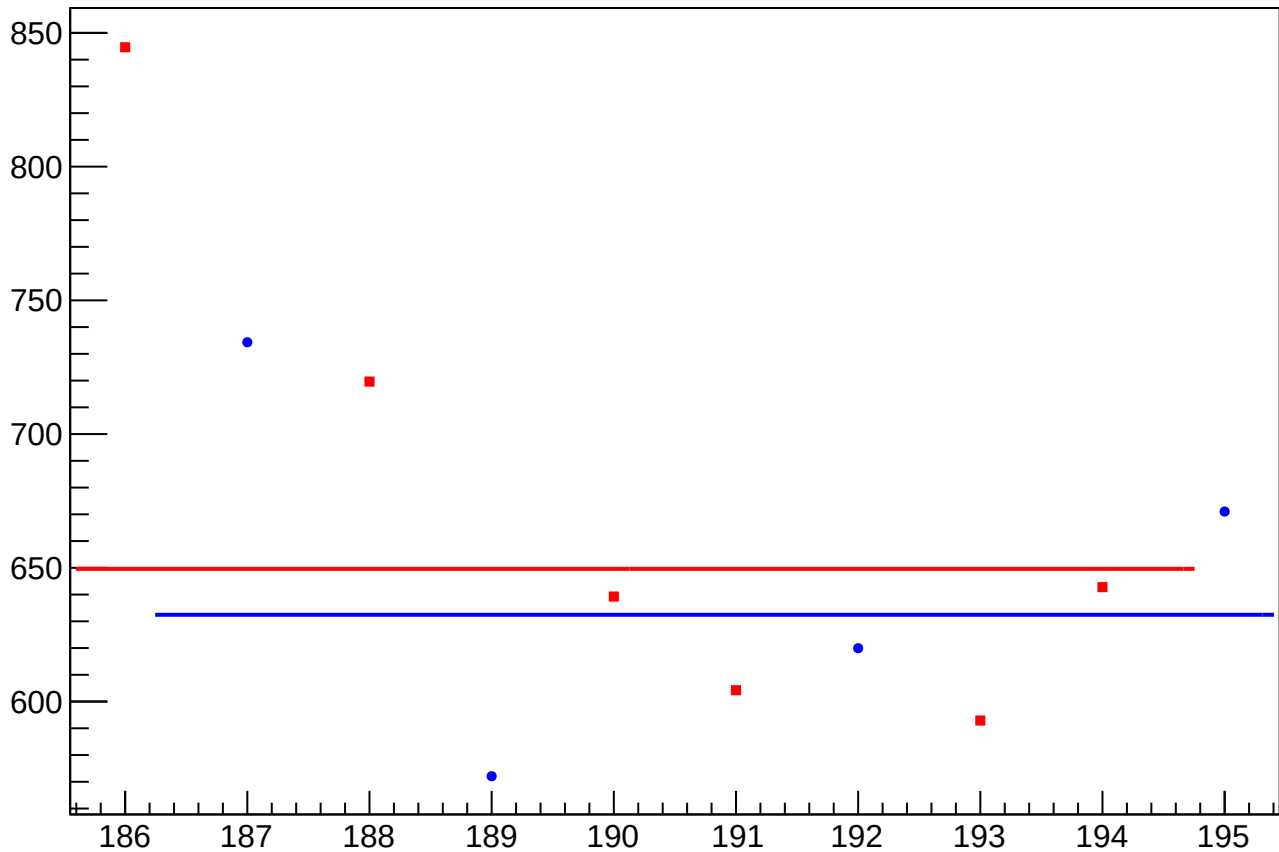
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -326.436+/-291.947  $\chi^2/\text{NDF}$ : 6.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1357\_2468\_dd\_rms vs Slug



Right In: 632.441 $\pm$ 0.328  $\chi^2$ /NDF: 21983.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 649.613 $\pm$ 0.266  $\chi^2$ /NDF: 65626.9/5

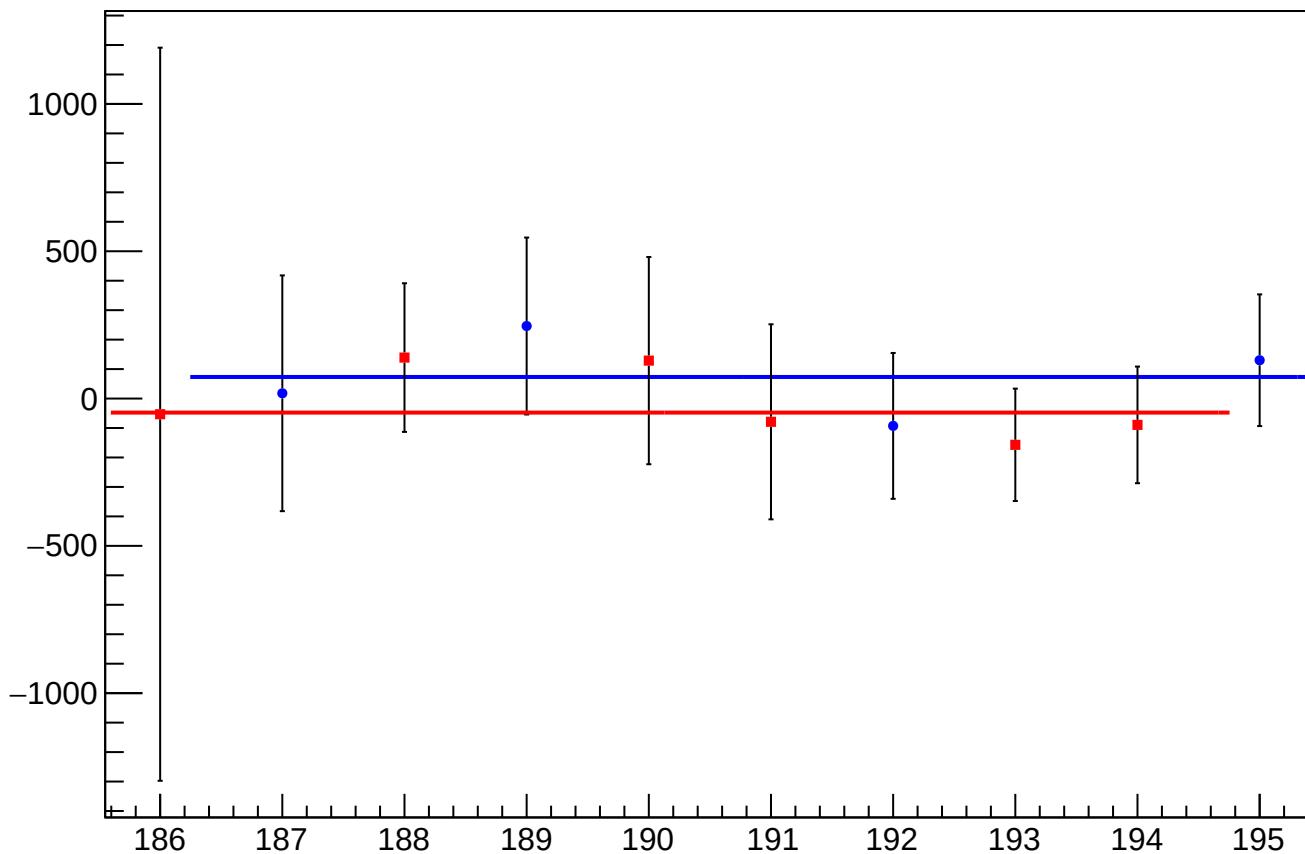
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 642.791 $\pm$ 0.206  $\chi^2$ /NDF: 89267.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_12345678\_avg\_mean vs Slug



Right In: 73.267 $\pm$ 136.488  $\chi^2$ /NDF: 0.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -47.656 $\pm$ 107.474  $\chi^2$ /NDF: 1.2/5

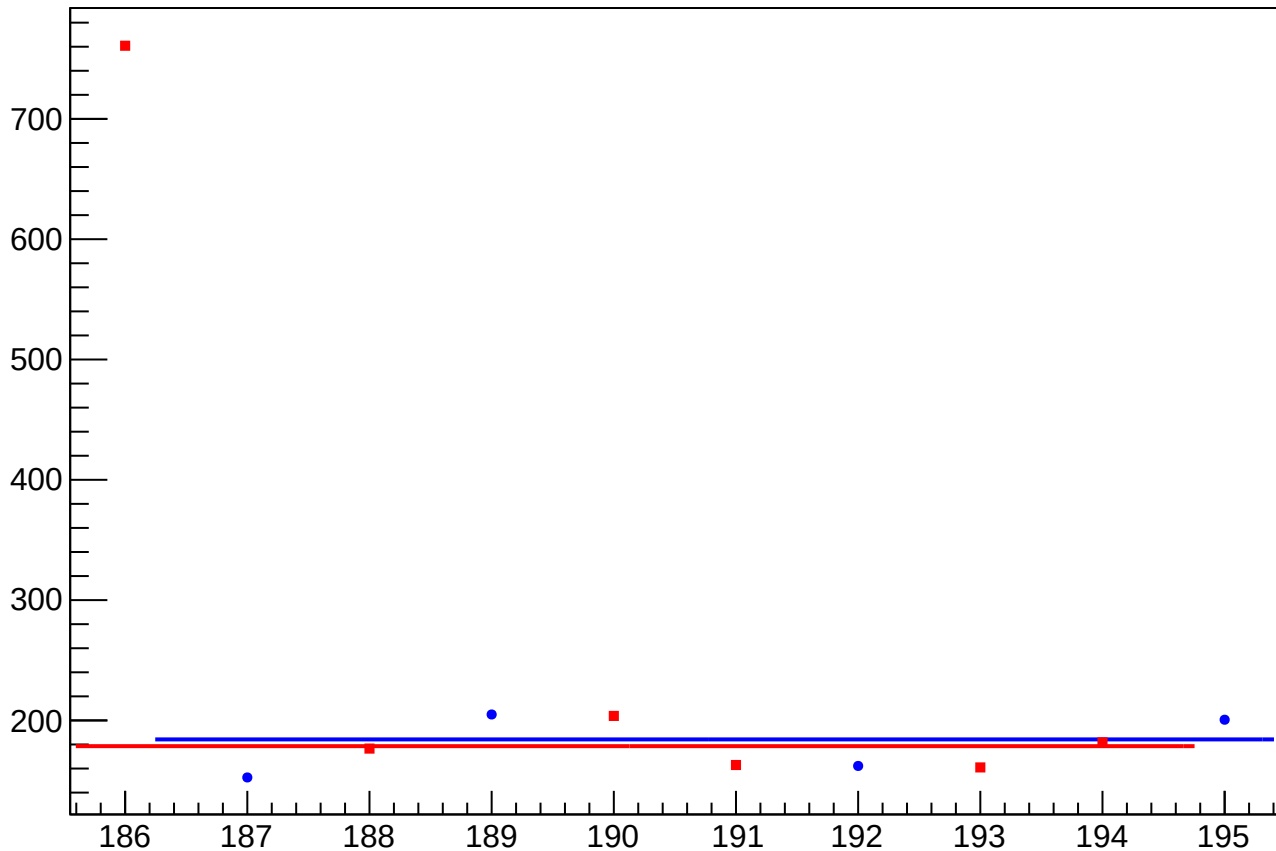
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1.375 $\pm$ 84.439  $\chi^2$ /NDF: 2.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_12345678\_avg\_rms vs Slug



Right In: 184.217 $\pm$ 0.097  $\chi^2$ /NDF: 48617.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 178.609 $\pm$ 0.076  $\chi^2$ /NDF: 470428.1/5

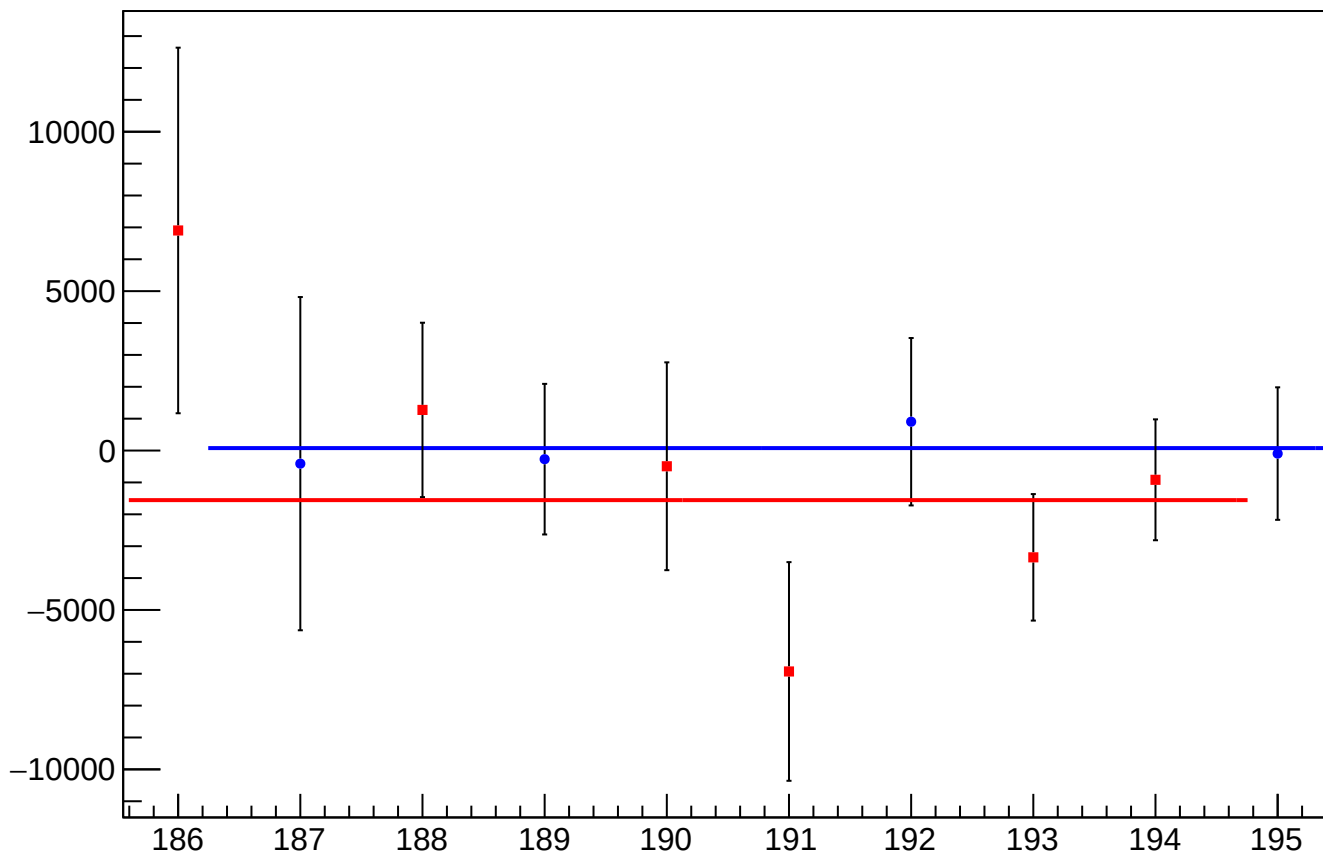
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 180.755 $\pm$ 0.060  $\chi^2$ /NDF: 521129.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

asym\_sam\_12345678\_avg\_correction\_mean vs Slug



Right In: 77.079+/-1299.180  $\chi^2/\text{NDF}$ : 0.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1554.968+/-1068.774  $\chi^2/\text{NDF}$ : 6.7/5

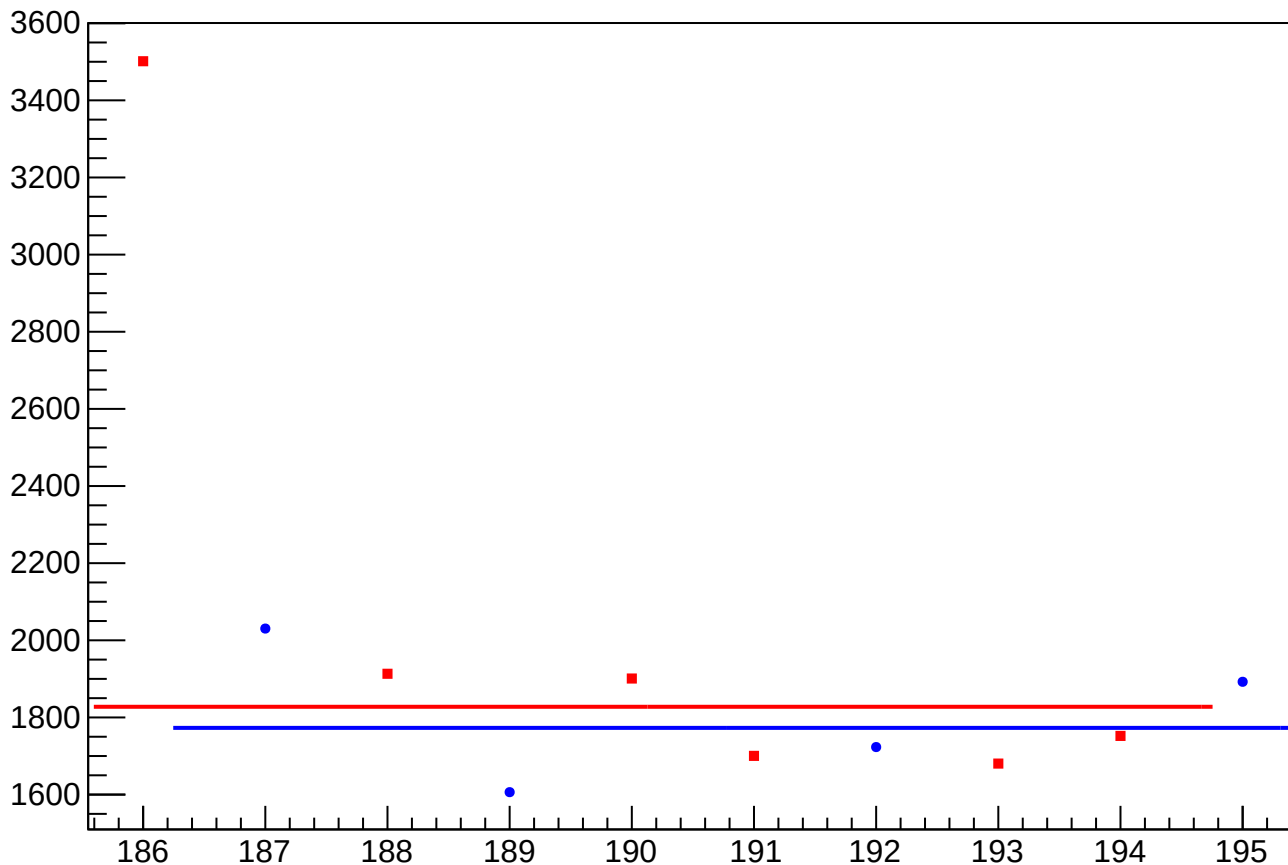
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -896.256+/-825.374  $\chi^2/\text{NDF}$ : 7.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_12345678\_avg\_correction\_rms vs Slug



Right In: 1772.972 $\pm$ 0.919  $\chi^2$ /NDF: 22143.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1827.680 $\pm$ 0.756  $\chi^2$ /NDF: 190352.7/5

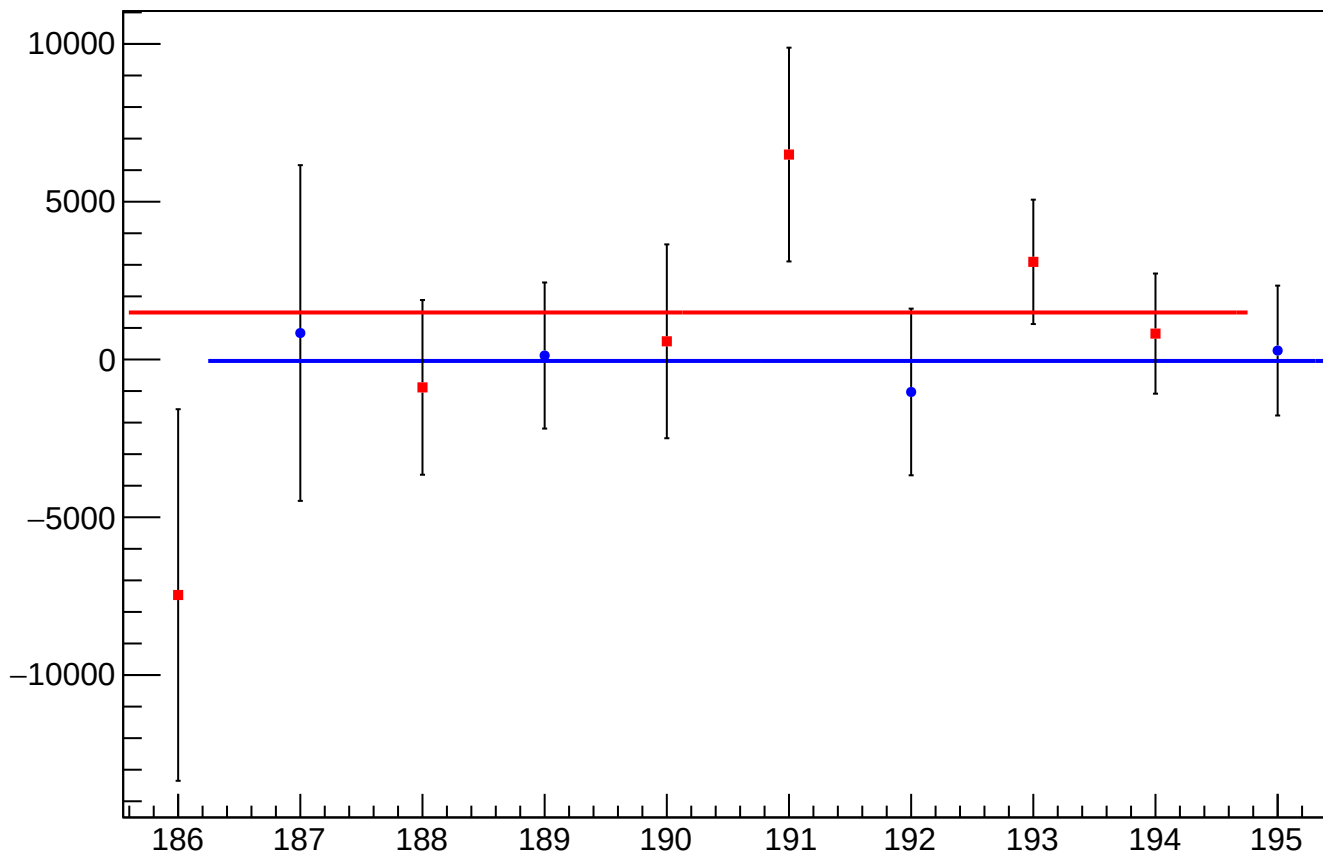
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1805.599 $\pm$ 0.584  $\chi^2$ /NDF: 214610.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_12345678\_avg\_mean vs Slug



Right In: -46.125 $\pm$ 1289.327  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1489.562 $\pm$ 1062.536  $\chi^2$ /NDF: 6.1/5

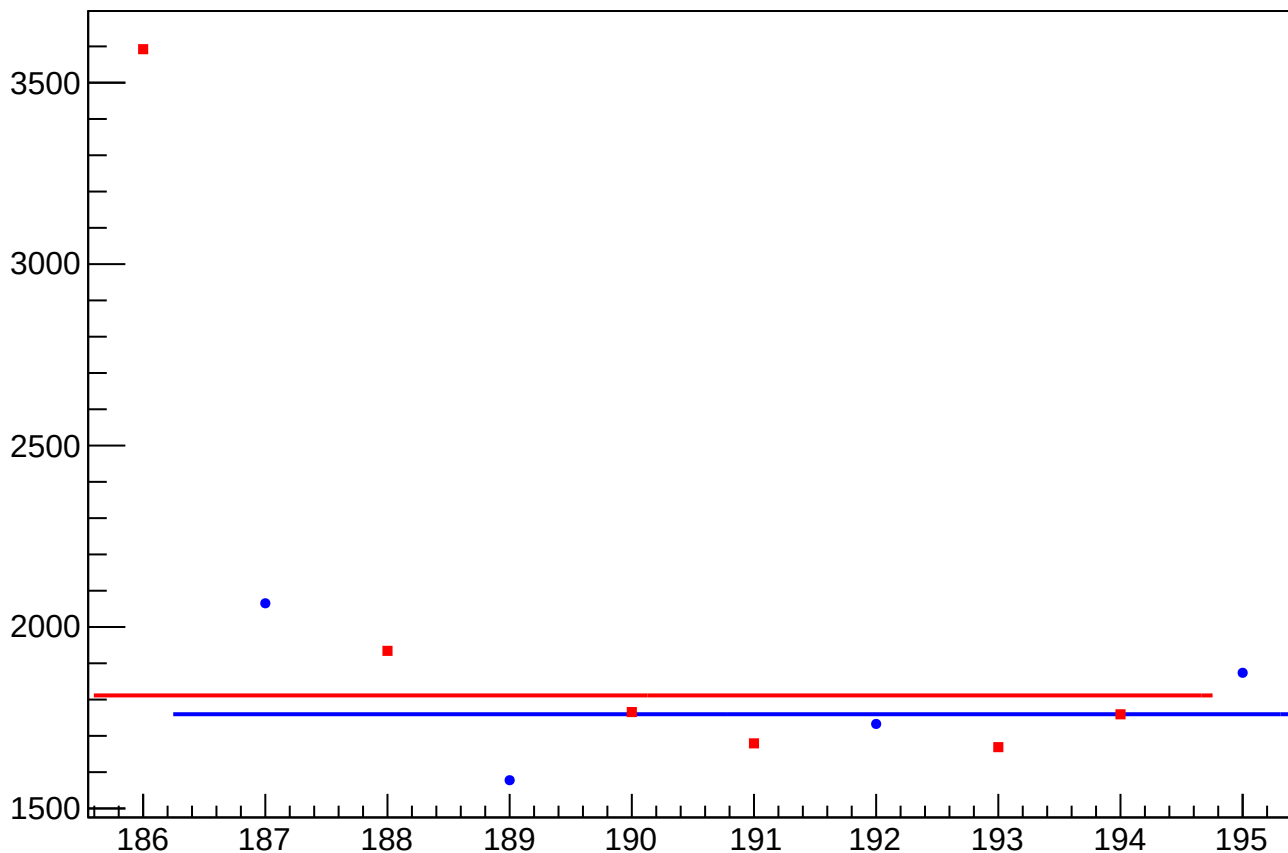
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 868.441 $\pm$ 819.974  $\chi^2$ /NDF: 7.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_12345678\_avg\_rms vs Slug



Right In: 1759.626 $\pm$ 0.912  $\chi^2$ /NDF: 25308.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1811.426 $\pm$ 0.751  $\chi^2$ /NDF: 202344.8/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

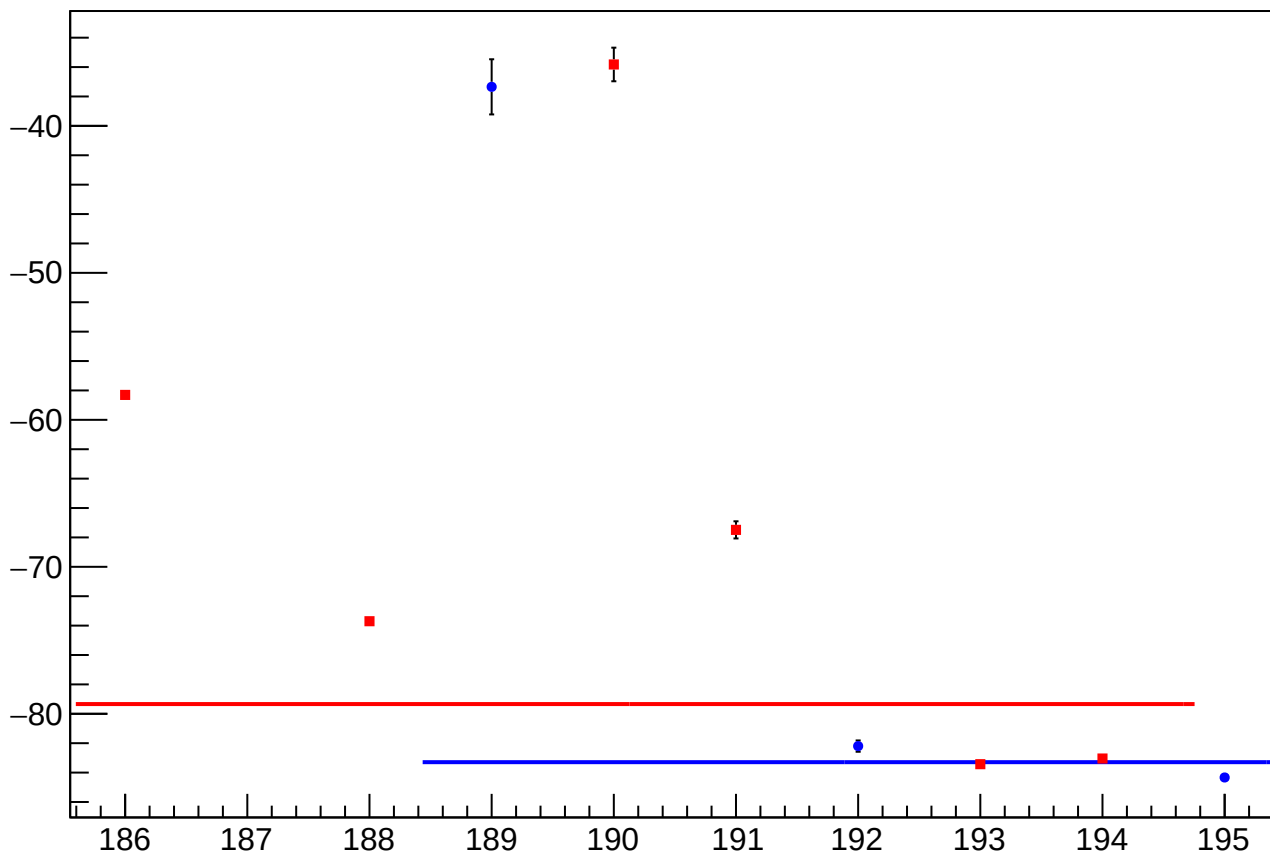
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1790.475 $\pm$ 0.580  $\chi^2$ /NDF: 229575.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usl\_4aX\_slope vs Slug



Right In:  $-83.291 \pm 0.194$   $\chi^2/\text{NDF}: 629.0/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-79.338 \pm 0.064$   $\chi^2/\text{NDF}: 13085.1/5$

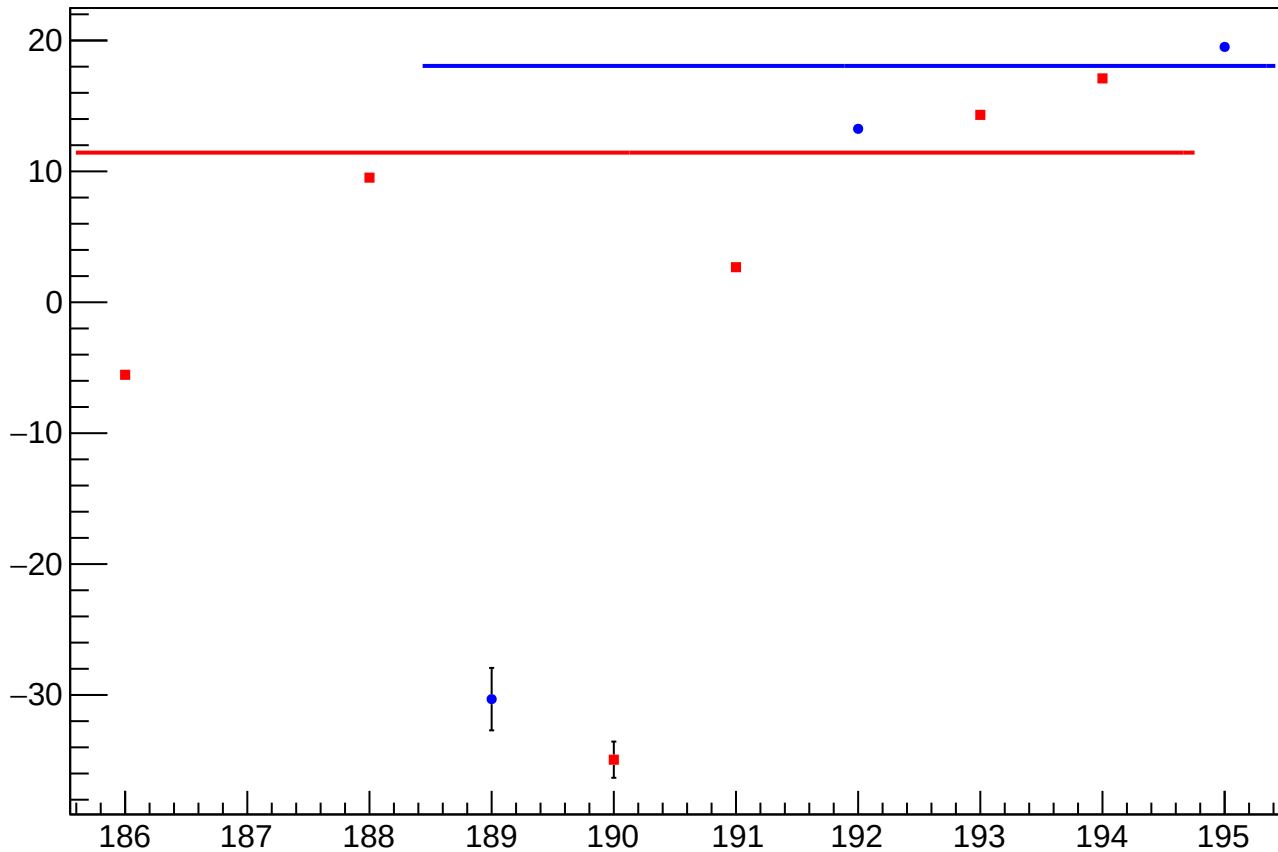
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-79.728 \pm 0.061$   $\chi^2/\text{NDF}: 14090.2/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_usl\_4eX\_slope vs Slug



Right In:  $18.057 \pm 0.153$   $\chi^2/\text{NDF}$ : 680.5/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $11.433 \pm 0.039$   $\chi^2/\text{NDF}$ : 30527.8/5

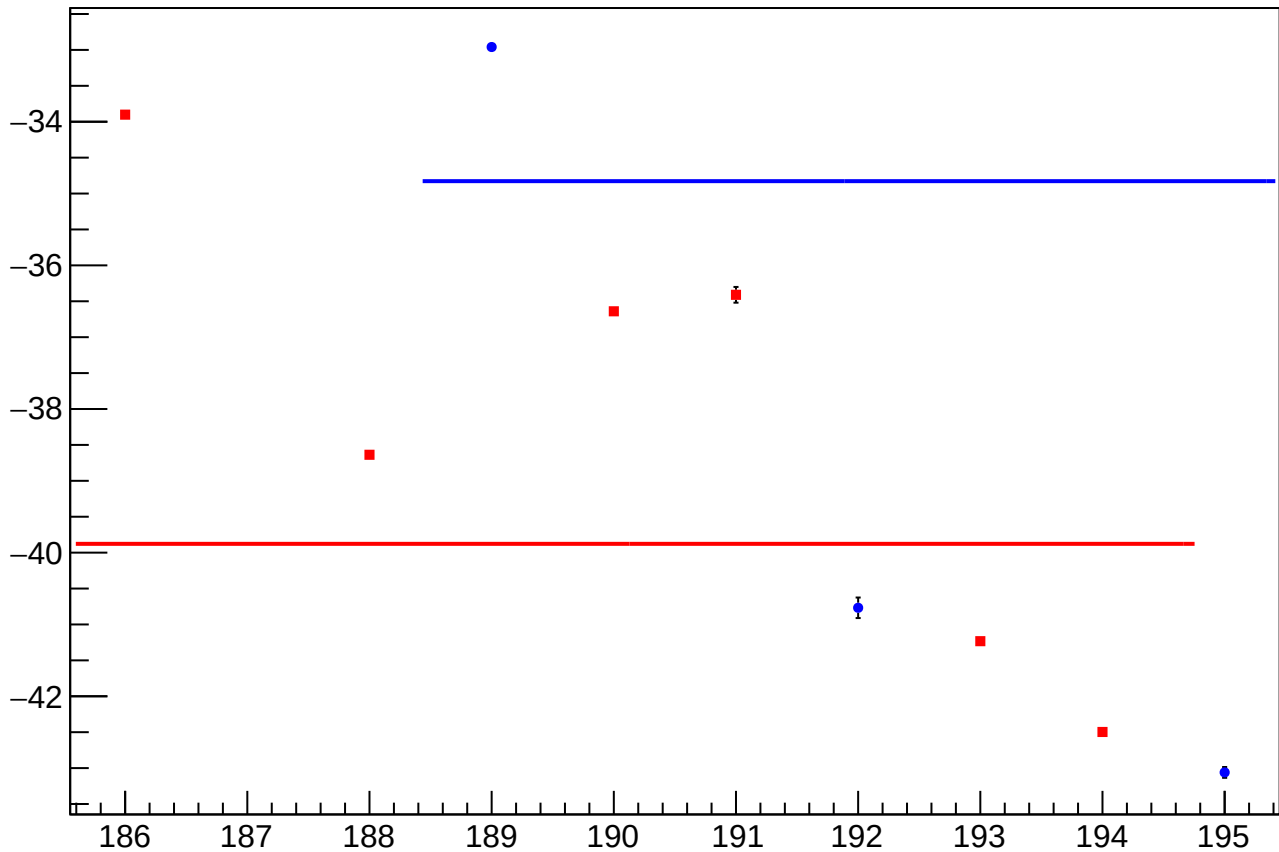
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $11.831 \pm 0.037$   $\chi^2/\text{NDF}$ : 32975.2/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_11X12X\_slope vs Slug



Right In:  $-34.827 \pm 0.029$   $\chi^2/\text{NDF}$ : 16994.3/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.878 \pm 0.017$   $\chi^2/\text{NDF}$ : 24891.7/5

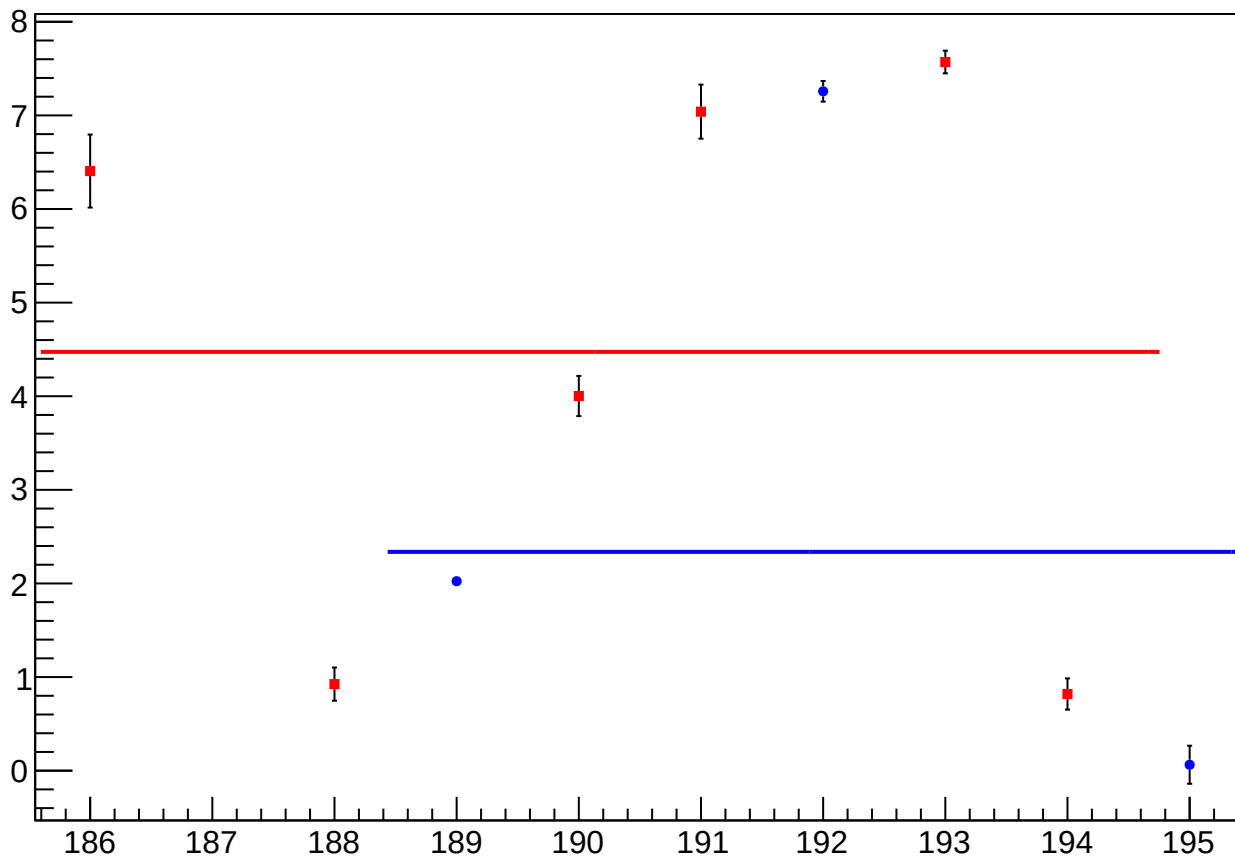
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-38.559 \pm 0.015$   $\chi^2/\text{NDF}$ : 63785.3/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_4aY\_slope vs Slug



Right In: 2.338 $\pm$ 0.029  $\chi^2$ /NDF: 2228.8/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4.474 $\pm$ 0.075  $\chi^2$ /NDF: 1643.2/5

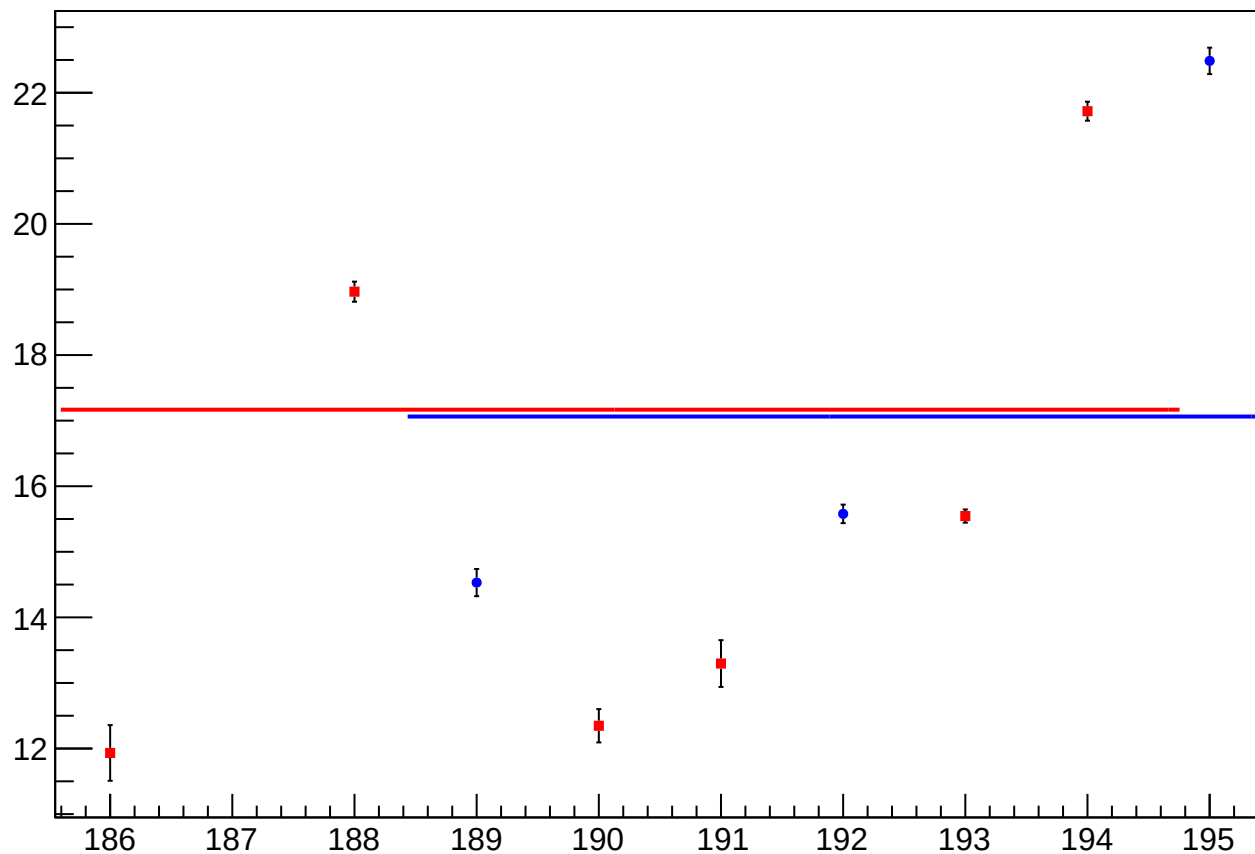
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.607 $\pm$ 0.027  $\chi^2$ /NDF: 4575.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_4eY\_slope vs Slug



Right In: 17.062 $\pm$ 0.101  $\chi^2$ /NDF: 983.8/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.167 $\pm$ 0.068  $\chi^2$ /NDF: 2015.9/5

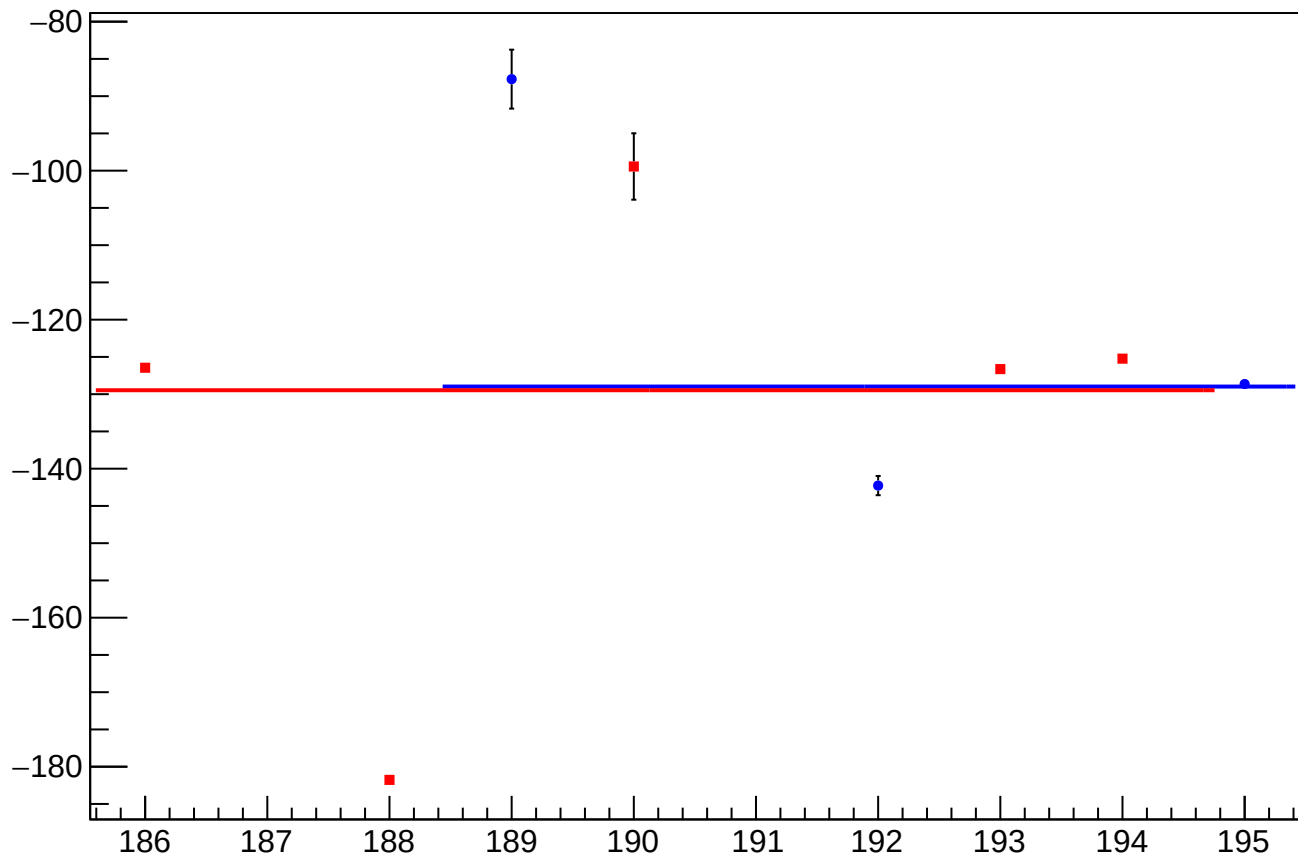
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.135 $\pm$ 0.056  $\chi^2$ /NDF: 3000.4/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_4aX\_slope vs Slug



Right In:  $-128.978 \pm 0.247$   $\chi^2/\text{NDF}$ : 216.6/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-129.472 \pm 0.095$   $\chi^2/\text{NDF}$ : 19015.3/4

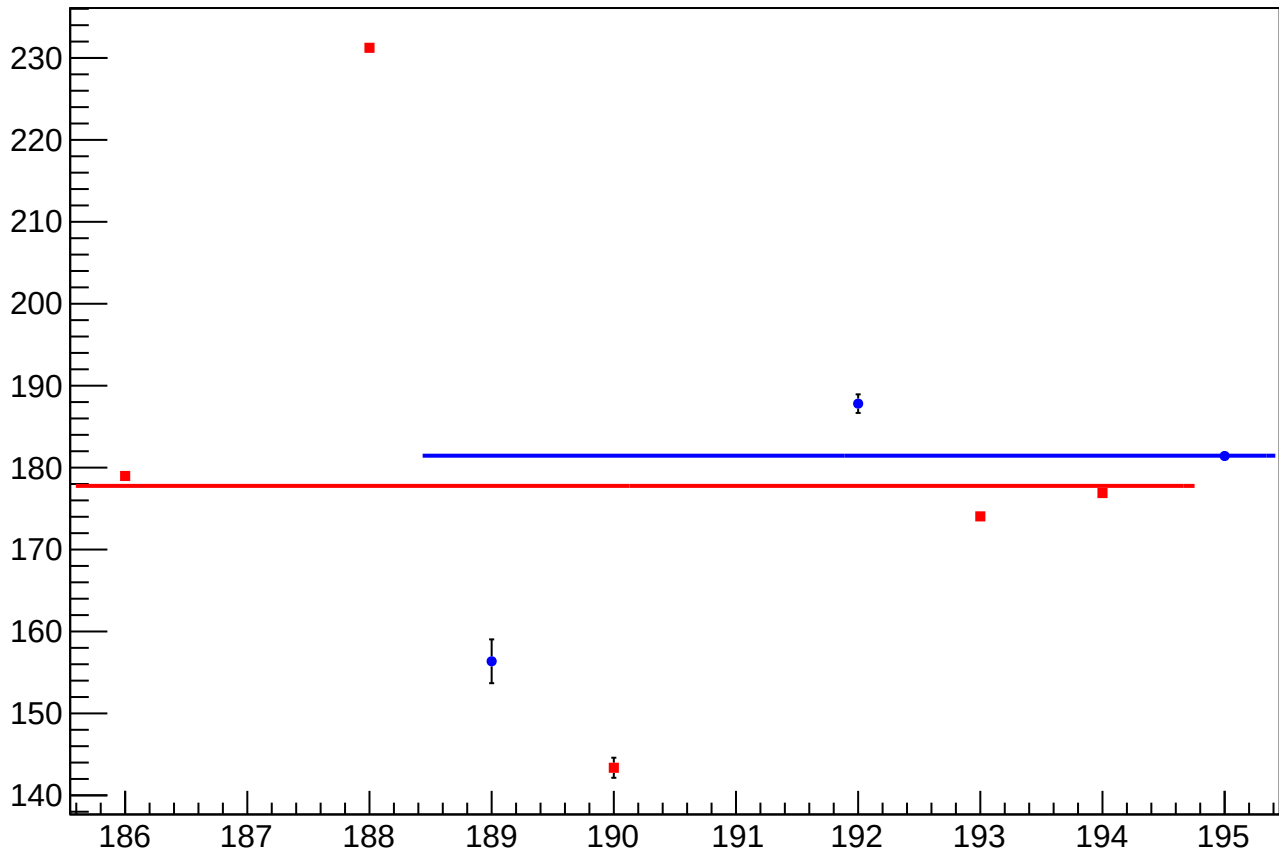
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-129.409 \pm 0.088$   $\chi^2/\text{NDF}$ : 19235.4/7

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_4eX\_slope vs Slug



Right In: 181.456 $\pm$ 0.156  $\chi^2$ /NDF: 119.5/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 177.771 $\pm$ 0.061  $\chi^2$ /NDF: 21987.3/4

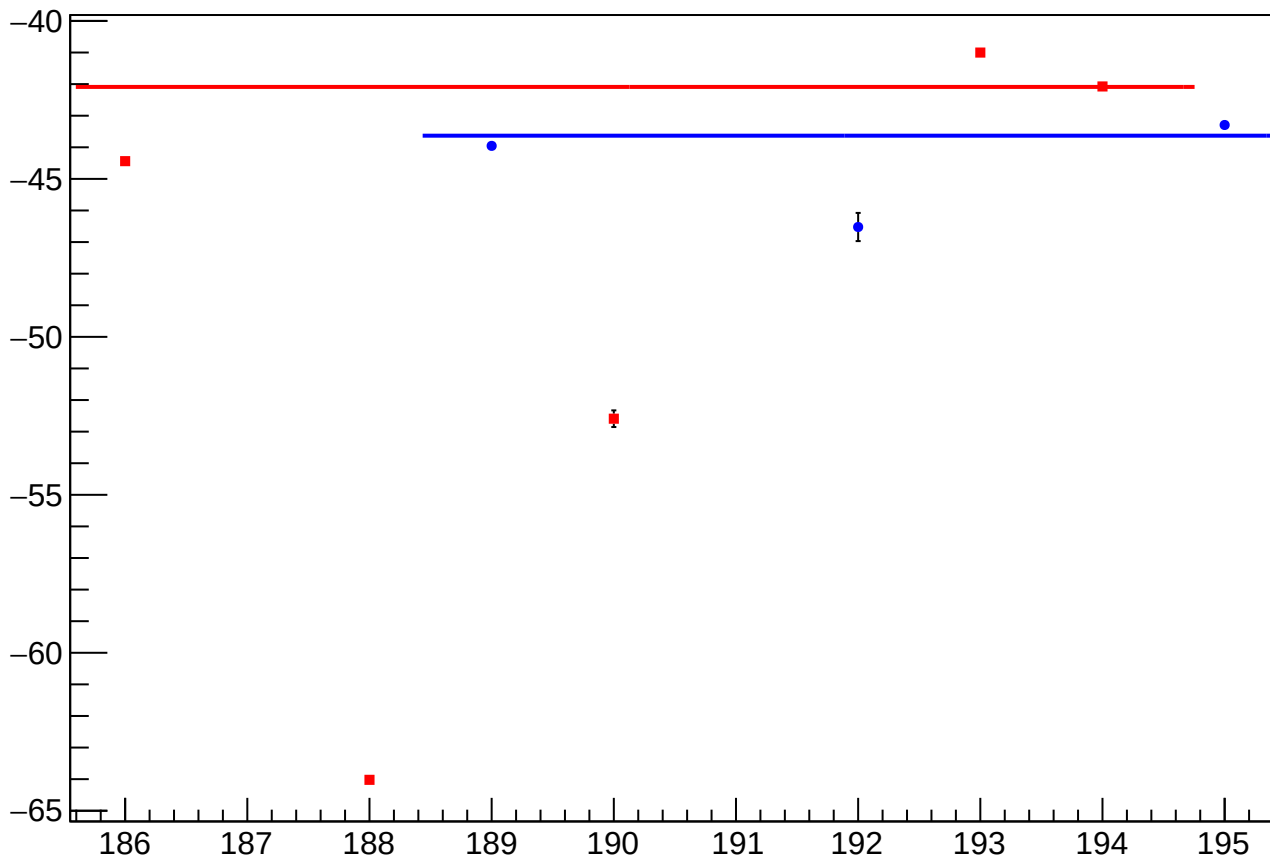
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 178.263 $\pm$ 0.057  $\chi^2$ /NDF: 22591.4/7

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_11X12X\_slope vs Slug



Right In:  $-43.632 \pm 0.049$   $\chi^2/\text{NDF}: 87.8/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-42.089 \pm 0.022$   $\chi^2/\text{NDF}: 23239.6/4$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

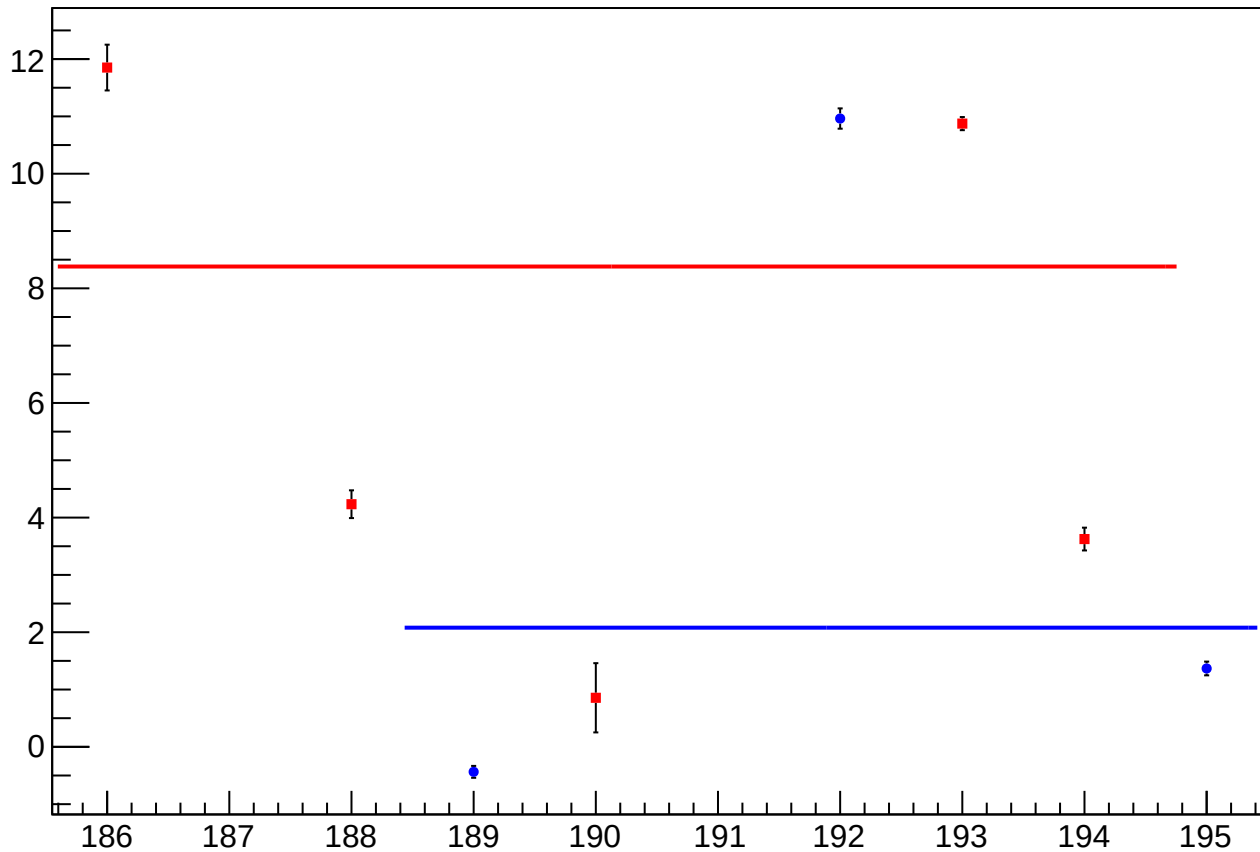
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-42.356 \pm 0.020$   $\chi^2/\text{NDF}: 24160.4/7$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# dit\_usr\_4aY\_slope vs Slug



Right In: 2.079+/-0.072  $\chi^2/\text{NDF}$ : 3135.2/2

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.380+/-0.089  $\chi^2/\text{NDF}$ : 1569.4/4

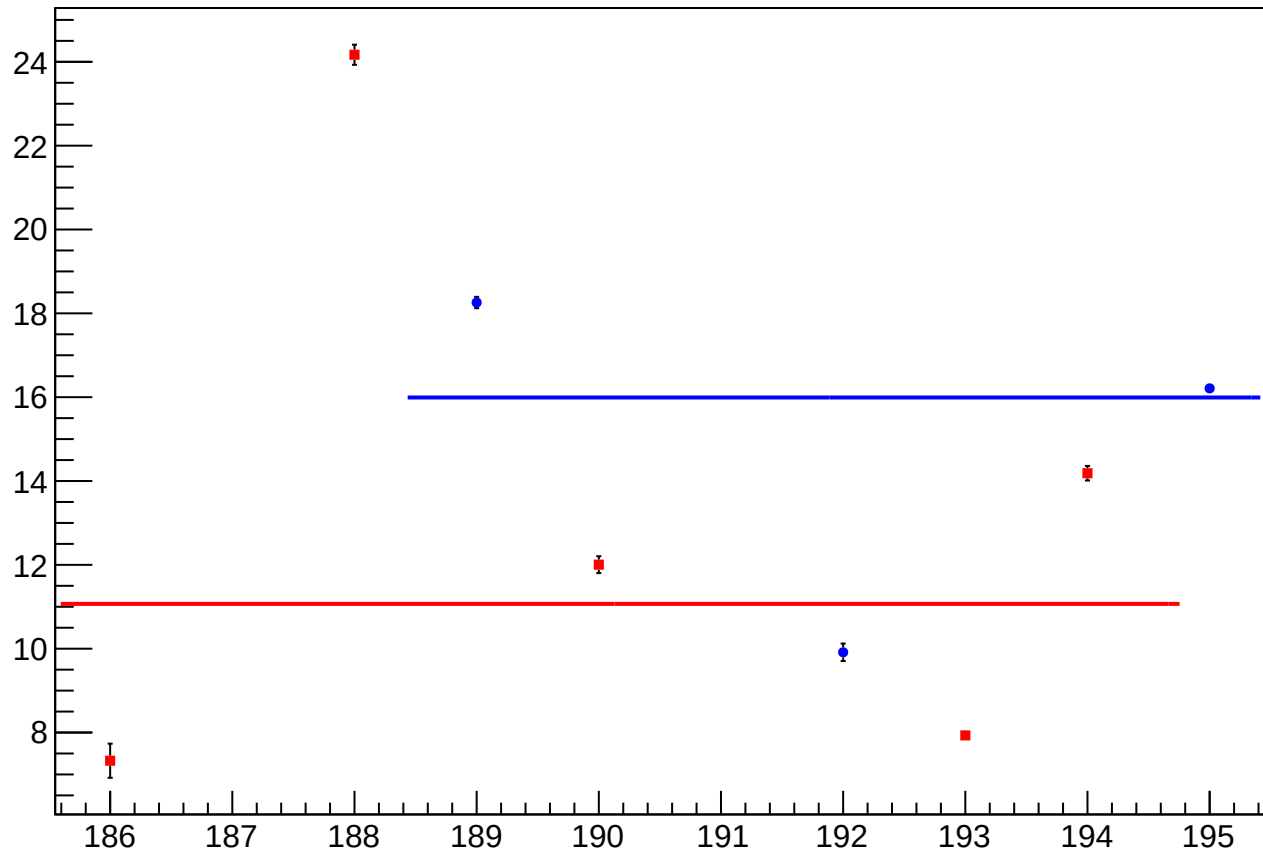
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.578+/-0.056  $\chi^2/\text{NDF}$ : 7759.6/7

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_4eY\_slope vs Slug



Right In: 15.993+/-0.082  $\chi^2$ /NDF: 1131.3/2

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11.069+/-0.073  $\chi^2$ /NDF: 4441.8/4

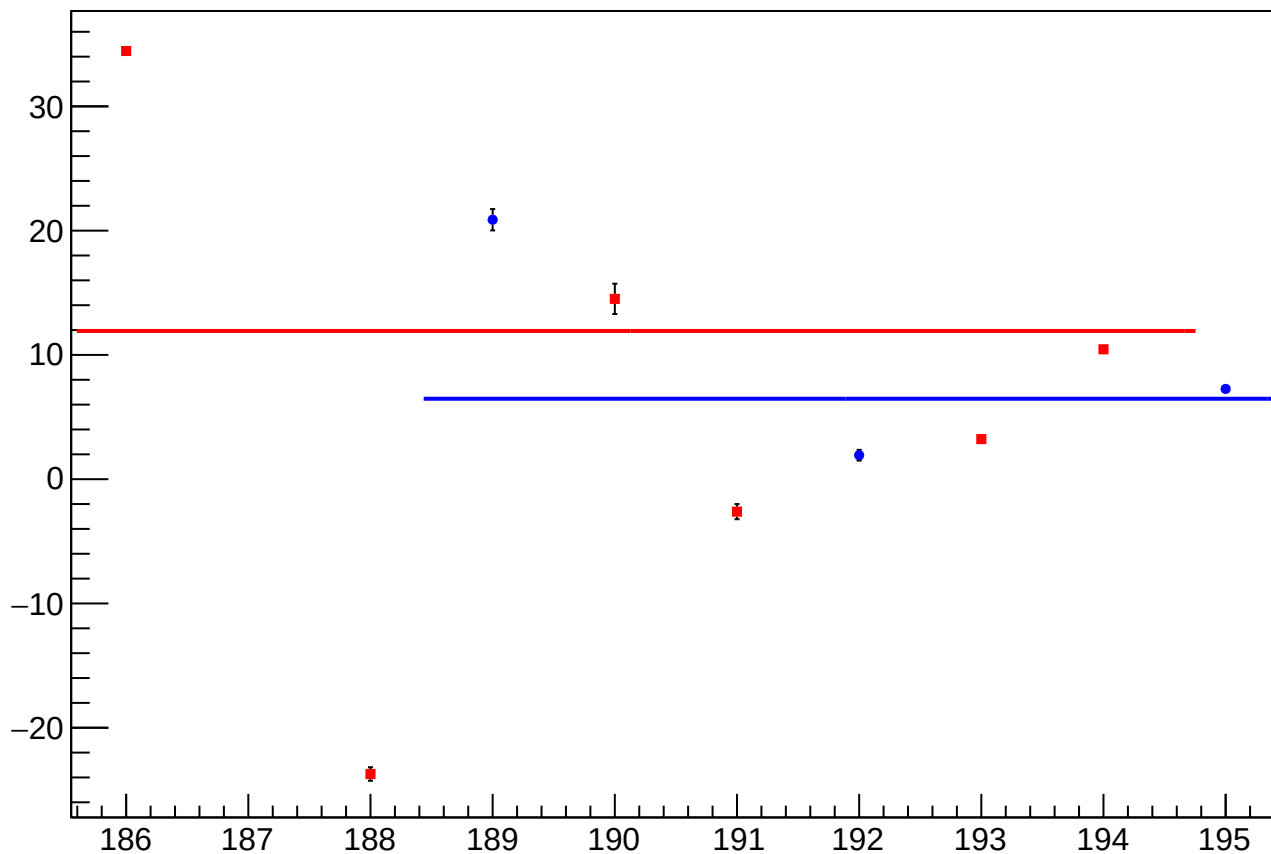
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 13.266+/-0.054  $\chi^2$ /NDF: 7590.6/7

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4aX\_slope vs Slug



Right In:  $6.473 \pm 0.279$   $\chi^2/\text{NDF}$ : 395.3/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $11.928 \pm 0.149$   $\chi^2/\text{NDF}$ : 13280.3/5

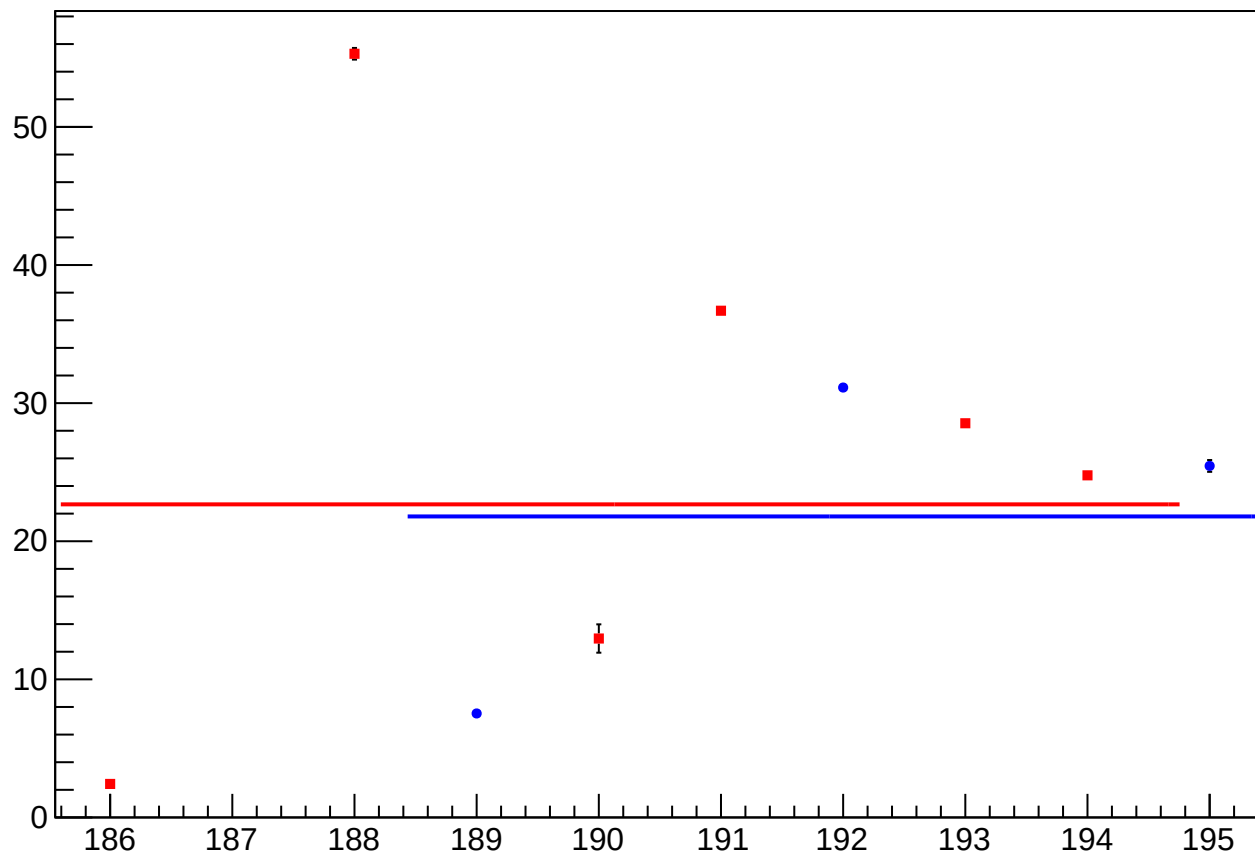
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $10.719 \pm 0.131$   $\chi^2/\text{NDF}$ : 13973.1/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_4eX\_slope vs Slug



Right In: 21.796 $\pm$ 0.201  $\chi^2$ /NDF: 2744.8/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 22.671 $\pm$ 0.103  $\chi^2$ /NDF: 20936.9/5

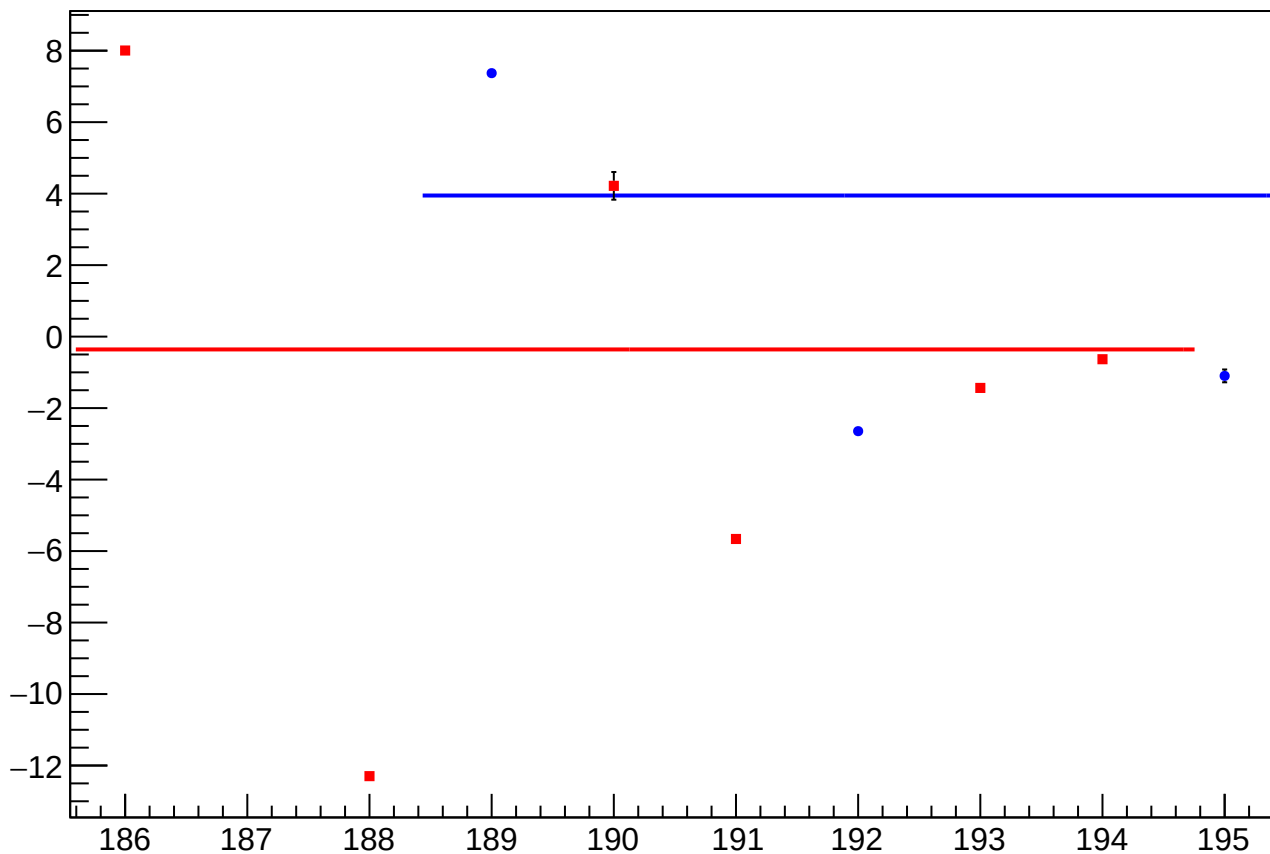
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 22.489 $\pm$ 0.092  $\chi^2$ /NDF: 23696.8/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_11X12X\_slope vs Slug



Right In: 3.948 $\pm$ 0.048  $\chi^2$ /NDF: 9569.6/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.359 $\pm$ 0.039  $\chi^2$ /NDF: 21648.8/5

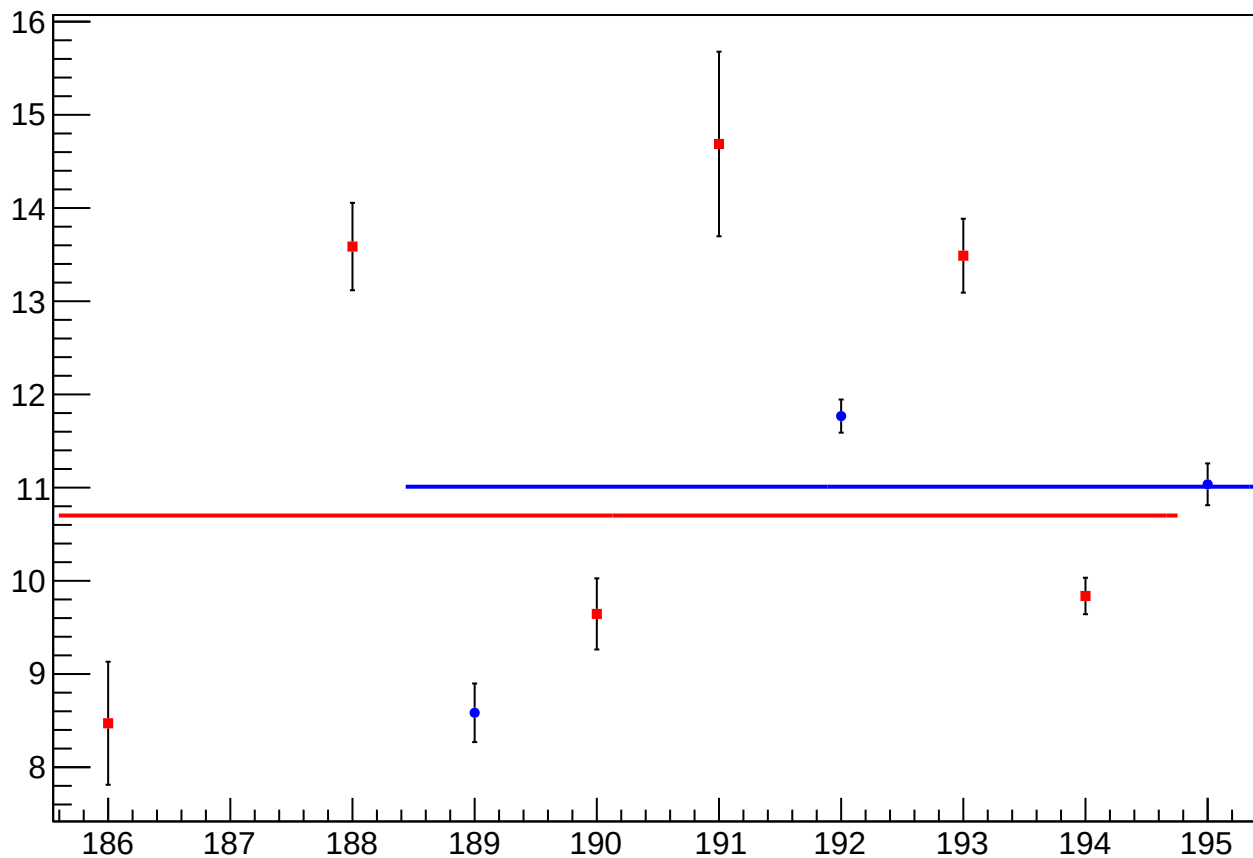
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.358 $\pm$ 0.030  $\chi^2$ /NDF: 36147.0/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4aY\_slope vs Slug



Right In: 11.010 $\pm$ 0.127  $\chi^2$ /NDF: 77.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 10.701 $\pm$ 0.146  $\chi^2$ /NDF: 142.0/5

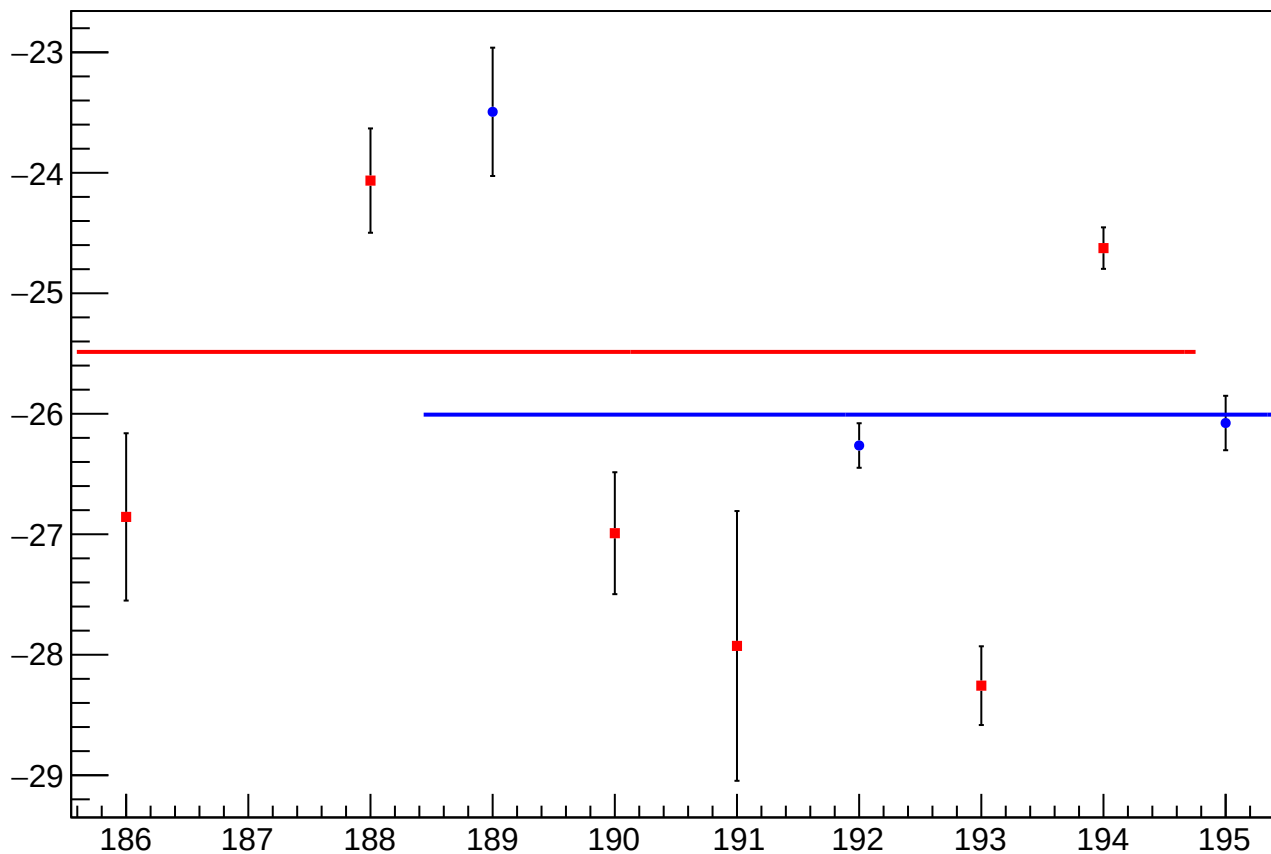
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.876 $\pm$ 0.096  $\chi^2$ /NDF: 222.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4eY\_slope vs Slug



Right In:  $-26.007 \pm 0.138$   $\chi^2/\text{NDF}$ : 24.3/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-25.486 \pm 0.135$   $\chi^2/\text{NDF}$ : 125.1/5

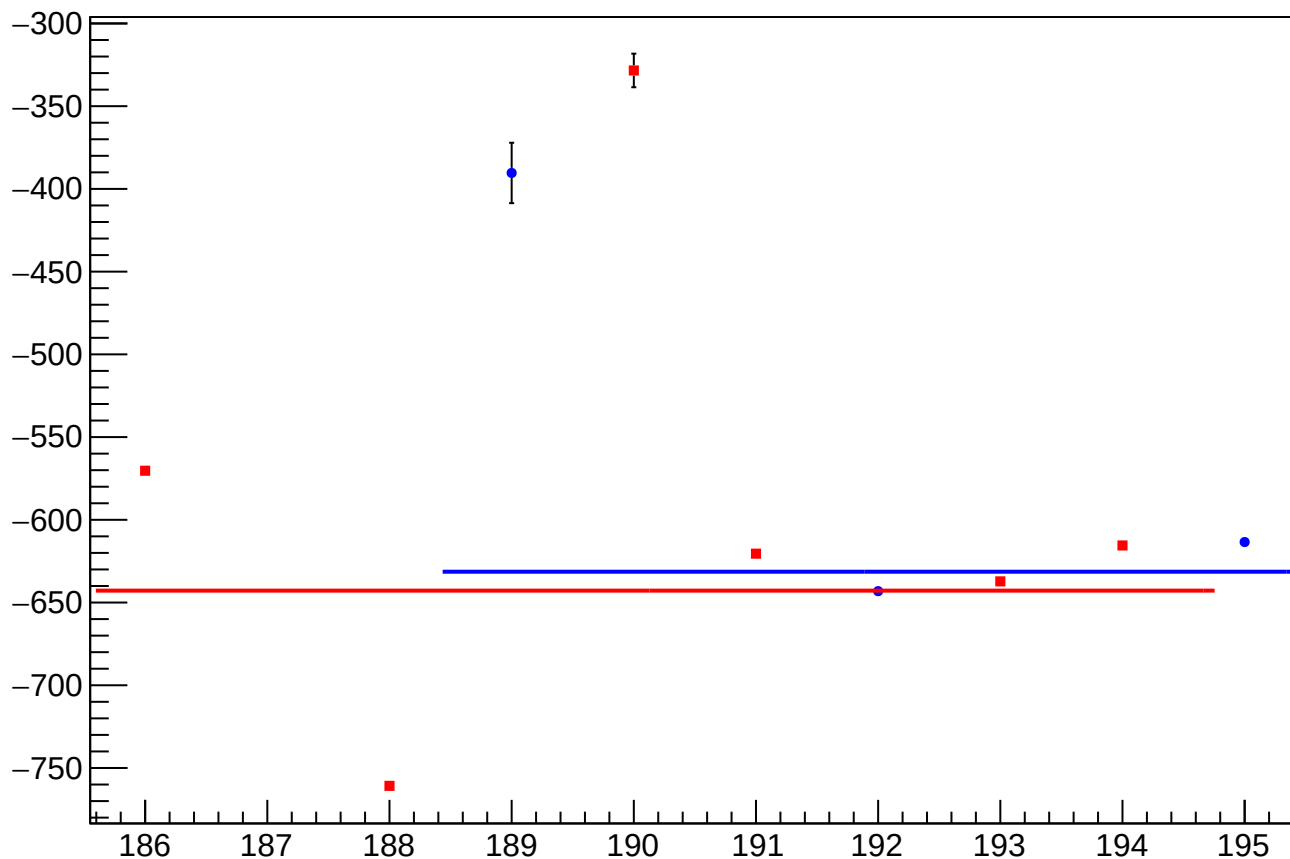
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-25.740 \pm 0.096$   $\chi^2/\text{NDF}$ : 156.7/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_4aX\_slope vs Slug



Right In: -631.371+/-0.450  $\chi^2$ /NDF: 1207.8/2

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -642.798+/-0.209  $\chi^2$ /NDF: 59844.6/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

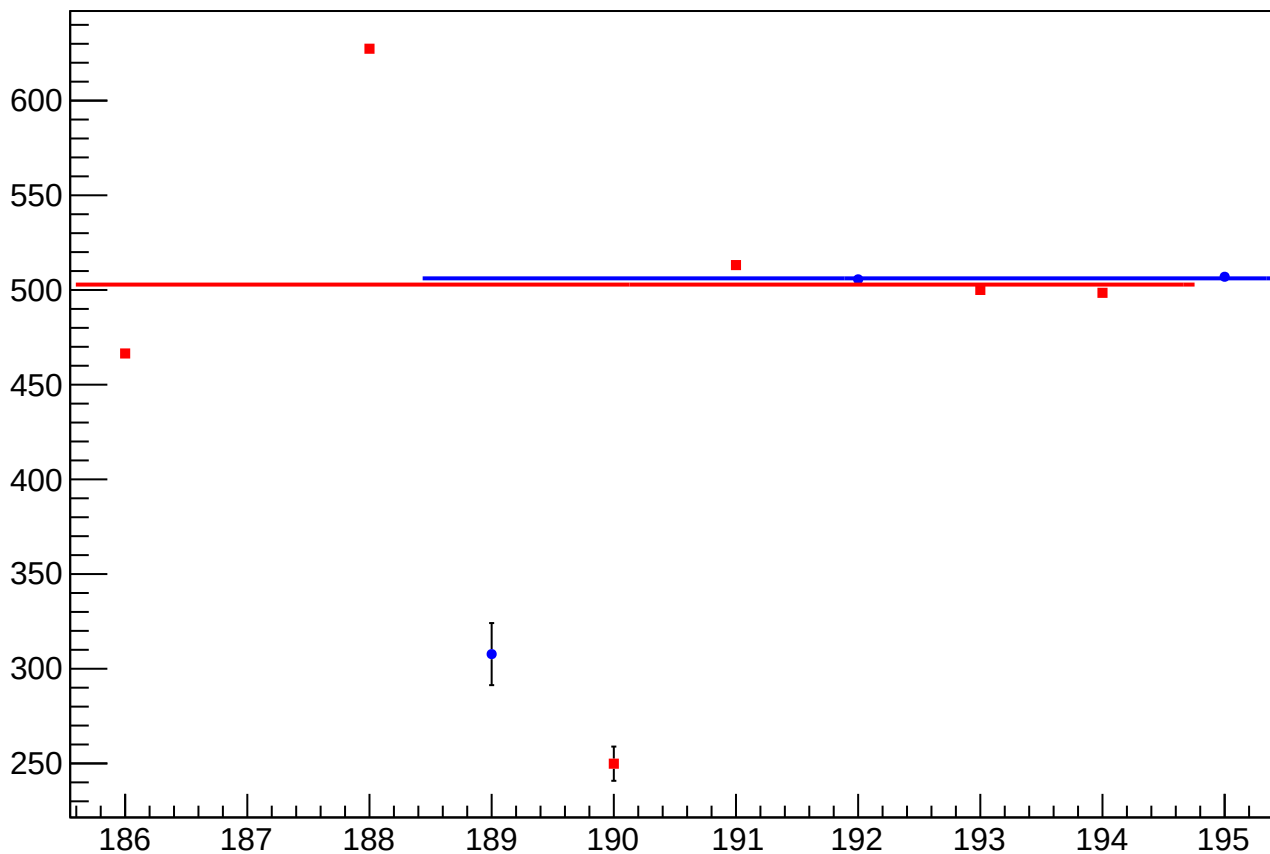
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -640.780+/-0.189  $\chi^2$ /NDF: 61582.6/8

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl2\_4eX\_slope vs Slug



Right In: 506.140 $\pm$ 0.266  $\chi^2$ /NDF: 152.8/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 502.855 $\pm$ 0.132  $\chi^2$ /NDF: 61076.4/5

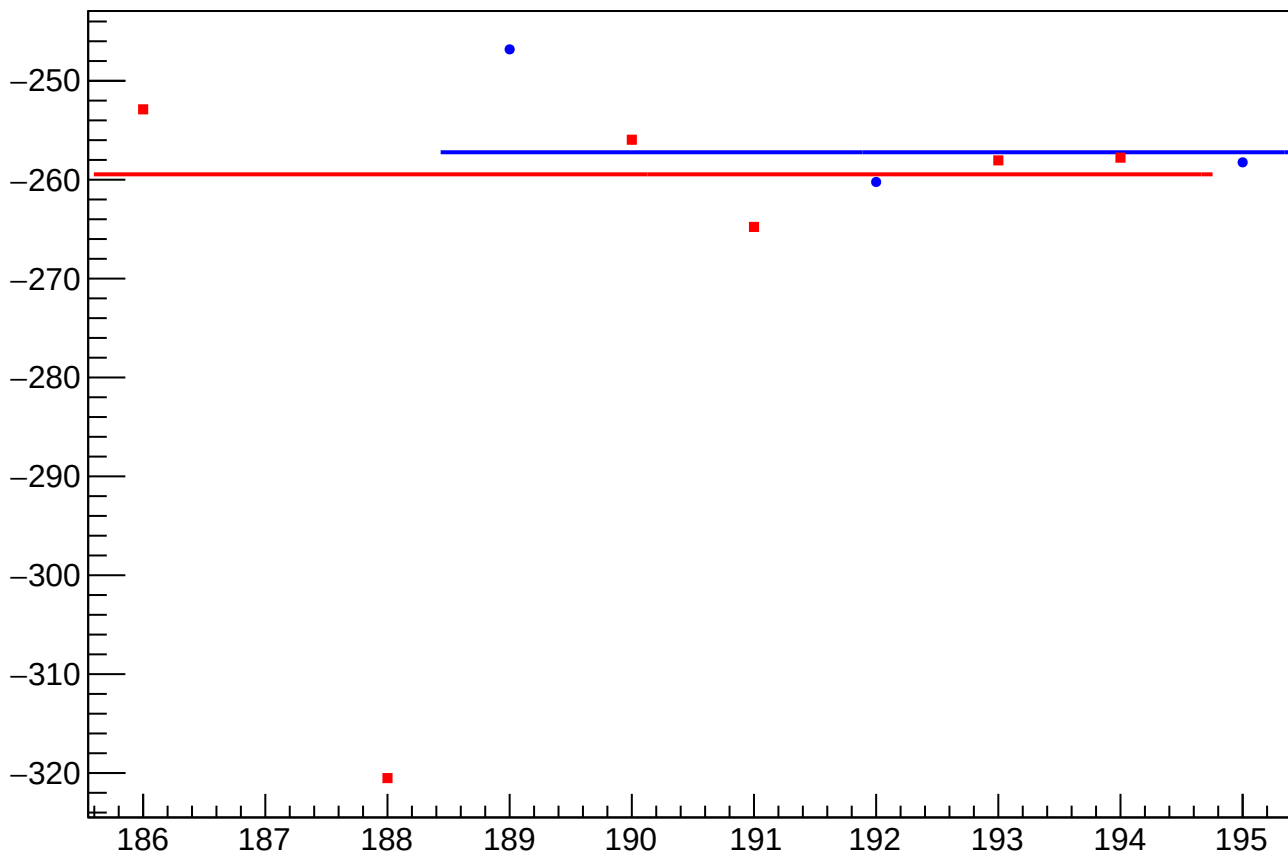
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 503.502 $\pm$ 0.118  $\chi^2$ /NDF: 61352.0/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_11X12X\_slope vs Slug



Right In:  $-257.224 \pm 0.076$   $\chi^2/\text{NDF}$ : 4741.1/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-259.456 \pm 0.049$   $\chi^2/\text{NDF}$ : 53338.7/5

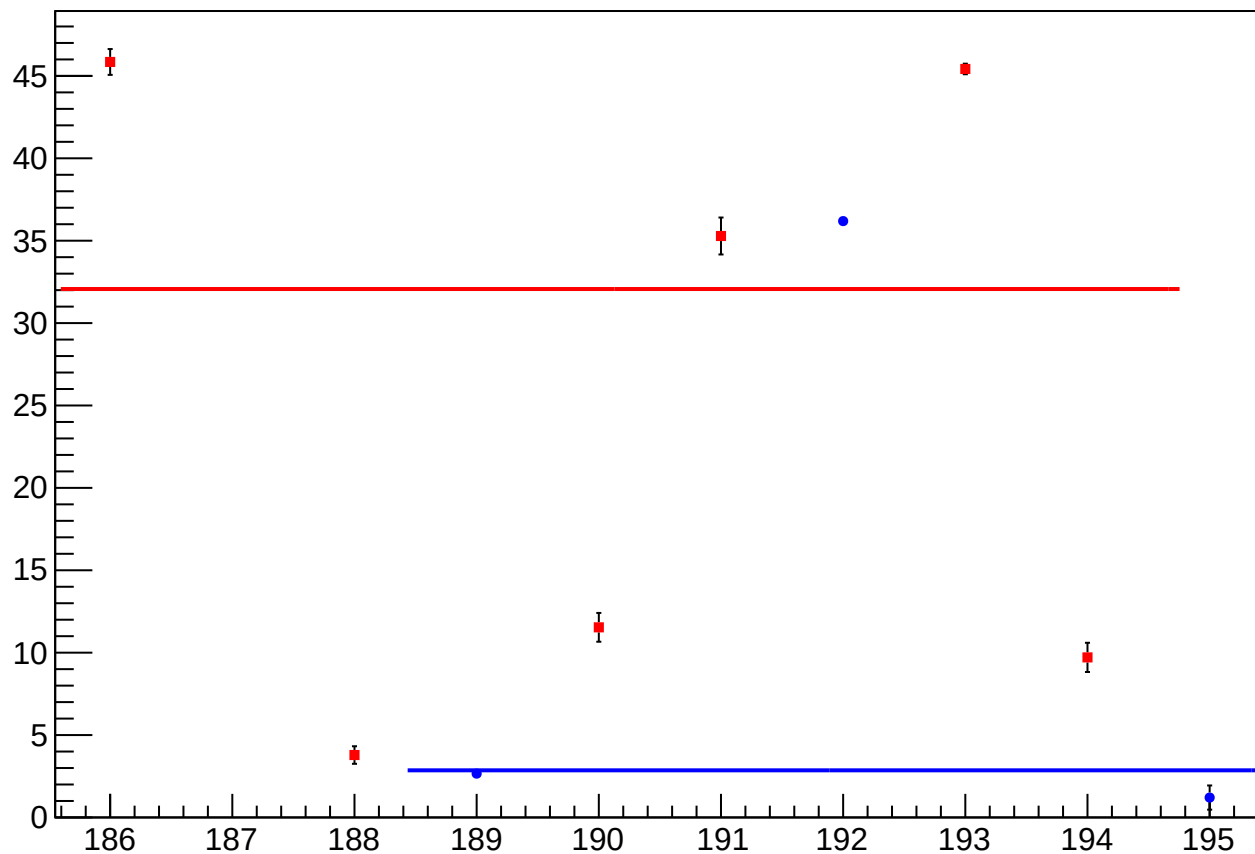
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-258.808 \pm 0.041$   $\chi^2/\text{NDF}$ : 58684.1/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_4aY\_slope vs Slug



Right In:  $2.860 \pm 0.022$   $\chi^2/\text{NDF}: 14522.3/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $32.068 \pm 0.234$   $\chi^2/\text{NDF}: 6063.4/5$

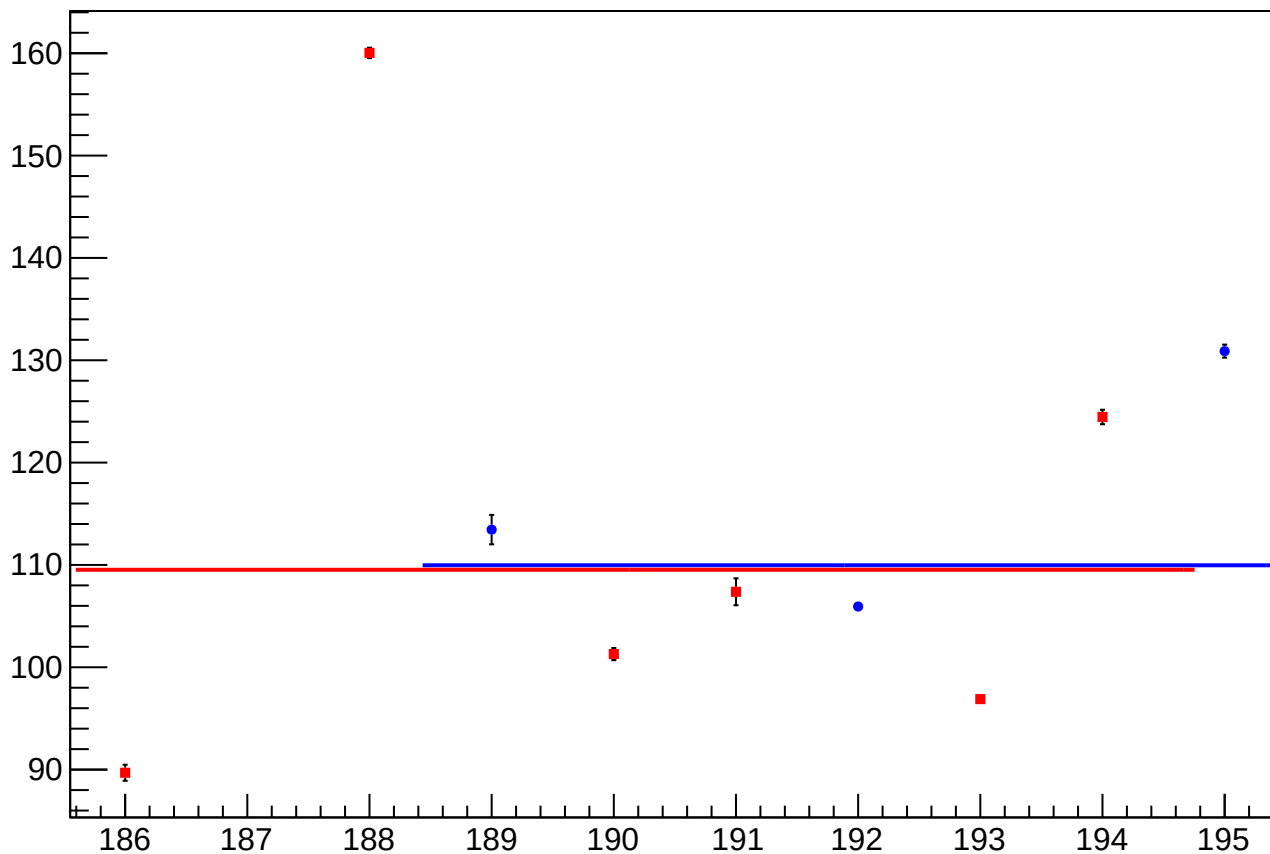
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $3.106 \pm 0.021$   $\chi^2/\text{NDF}: 36045.9/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_atl2\_4eY\_slope vs Slug



Right In: 109.965 $\pm$ 0.249  $\chi^2$ /NDF: 1293.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 109.527 $\pm$ 0.204  $\chi^2$ /NDF: 13214.6/5

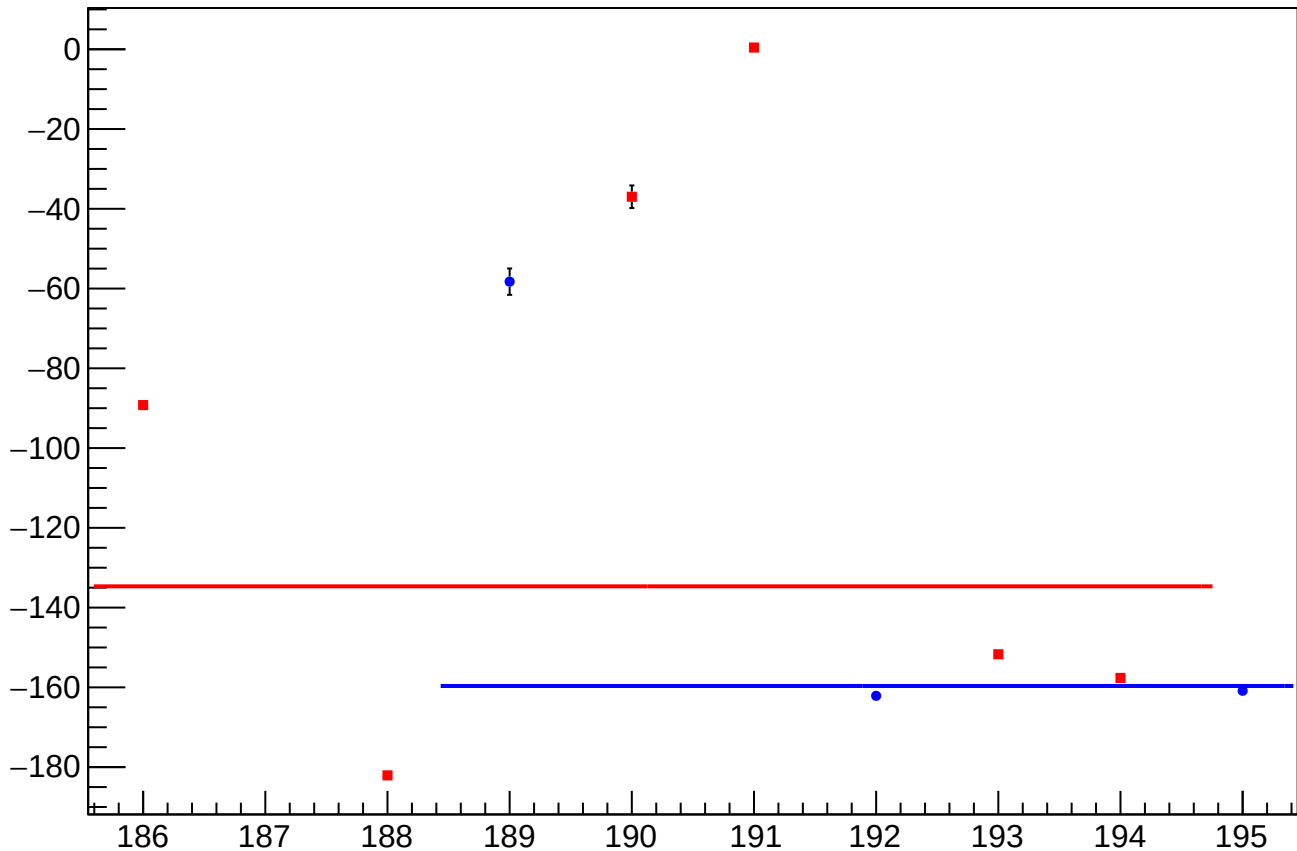
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 109.702 $\pm$ 0.158  $\chi^2$ /NDF: 14510.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_4aX\_slope vs Slug



Right In:  $-159.650 \pm 0.451$   $\chi^2/\text{NDF}$ : 959.8/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-134.668 \pm 0.217$   $\chi^2/\text{NDF}$ : 54468.5/5

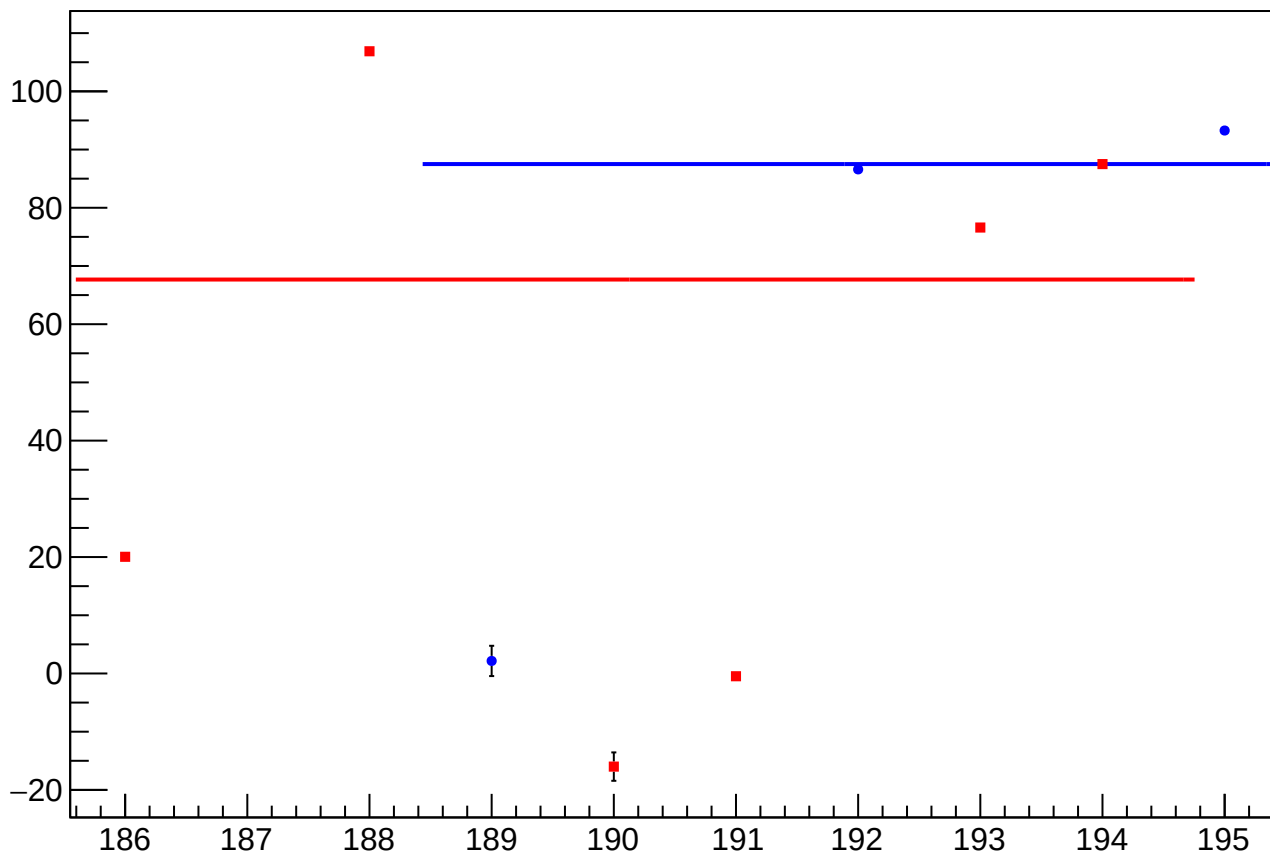
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-139.370 \pm 0.196$   $\chi^2/\text{NDF}$ : 57917.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_4eX\_slope vs Slug



Right In: 87.507 $\pm$ 0.344  $\chi^2$ /NDF: 1181.2/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 67.671 $\pm$ 0.153  $\chi^2$ /NDF: 48545.3/5

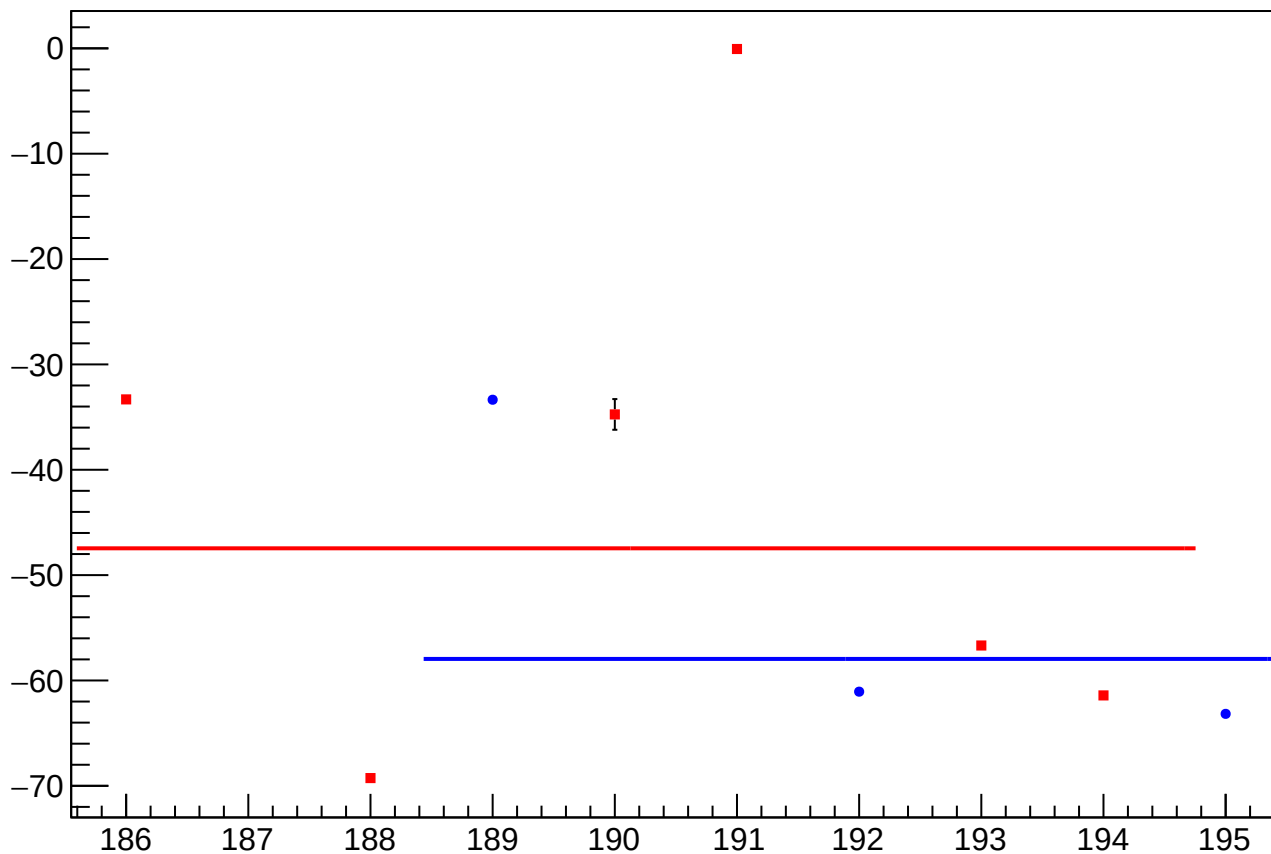
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 70.964 $\pm$ 0.140  $\chi^2$ /NDF: 52502.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_11X12X\_slope vs Slug



Right In:  $-57.955 \pm 0.131$   $\chi^2/\text{NDF}$ : 5393.2/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-47.456 \pm 0.053$   $\chi^2/\text{NDF}$ : 192080.4/5

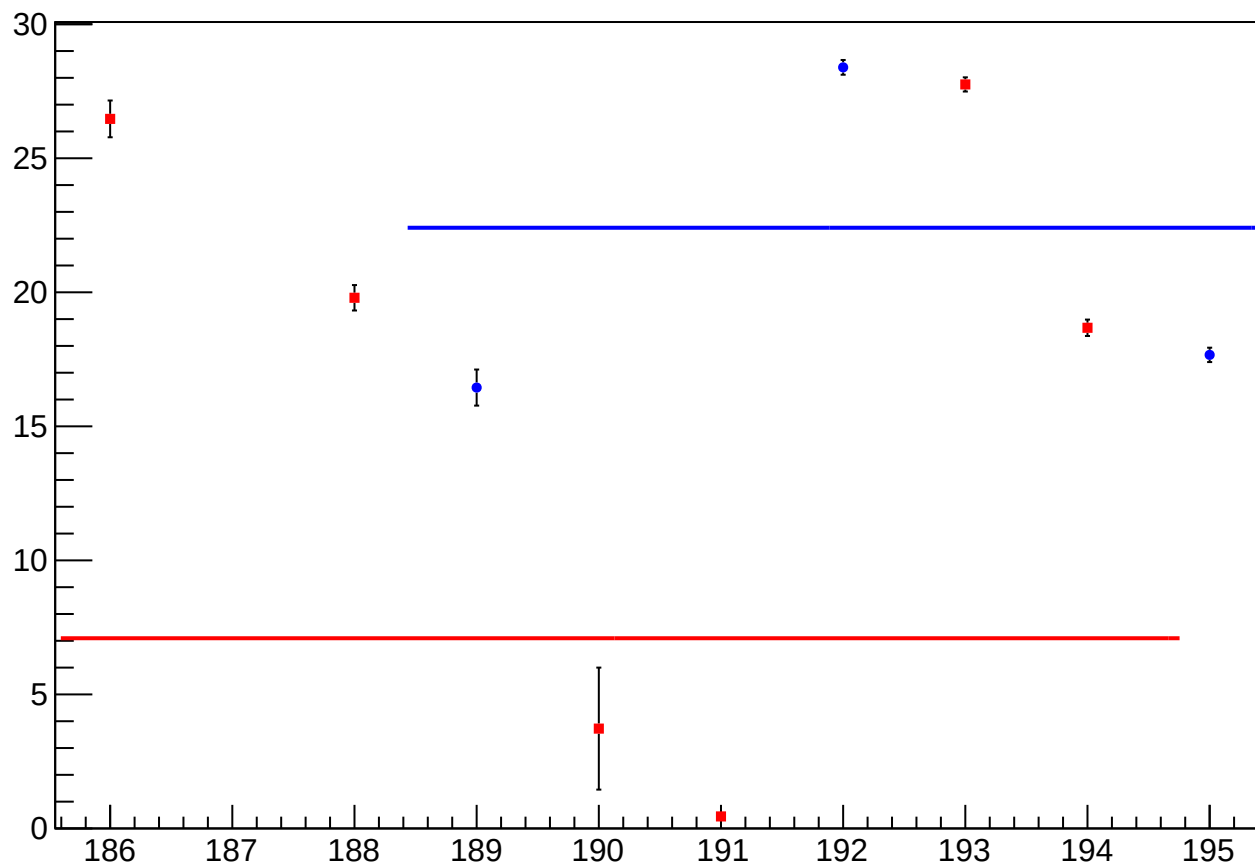
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-48.950 \pm 0.049$   $\chi^2/\text{NDF}$ : 202970.7/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_4aY\_slope vs Slug



Right In: 22.408 $\pm$ 0.185  $\chi^2$ /NDF: 864.4/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.095 $\pm$ 0.096  $\chi^2$ /NDF: 12477.6/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

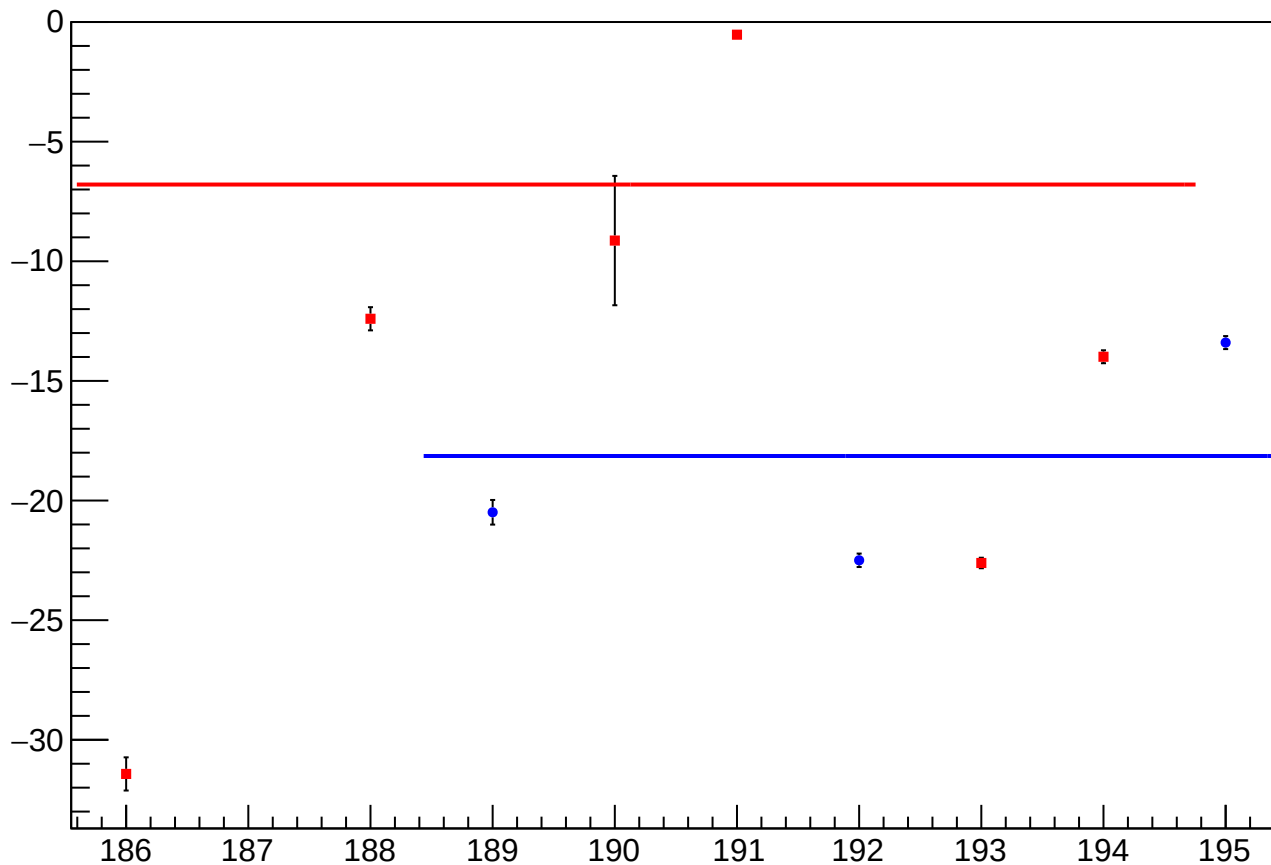
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.334 $\pm$ 0.085  $\chi^2$ /NDF: 18765.4/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atr1\_4eY\_slope vs Slug



Right In:  $-18.138 \pm 0.183$   $\chi^2/\text{NDF}$ : 565.1/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-6.793 \pm 0.091$   $\chi^2/\text{NDF}$ : 10399.6/5

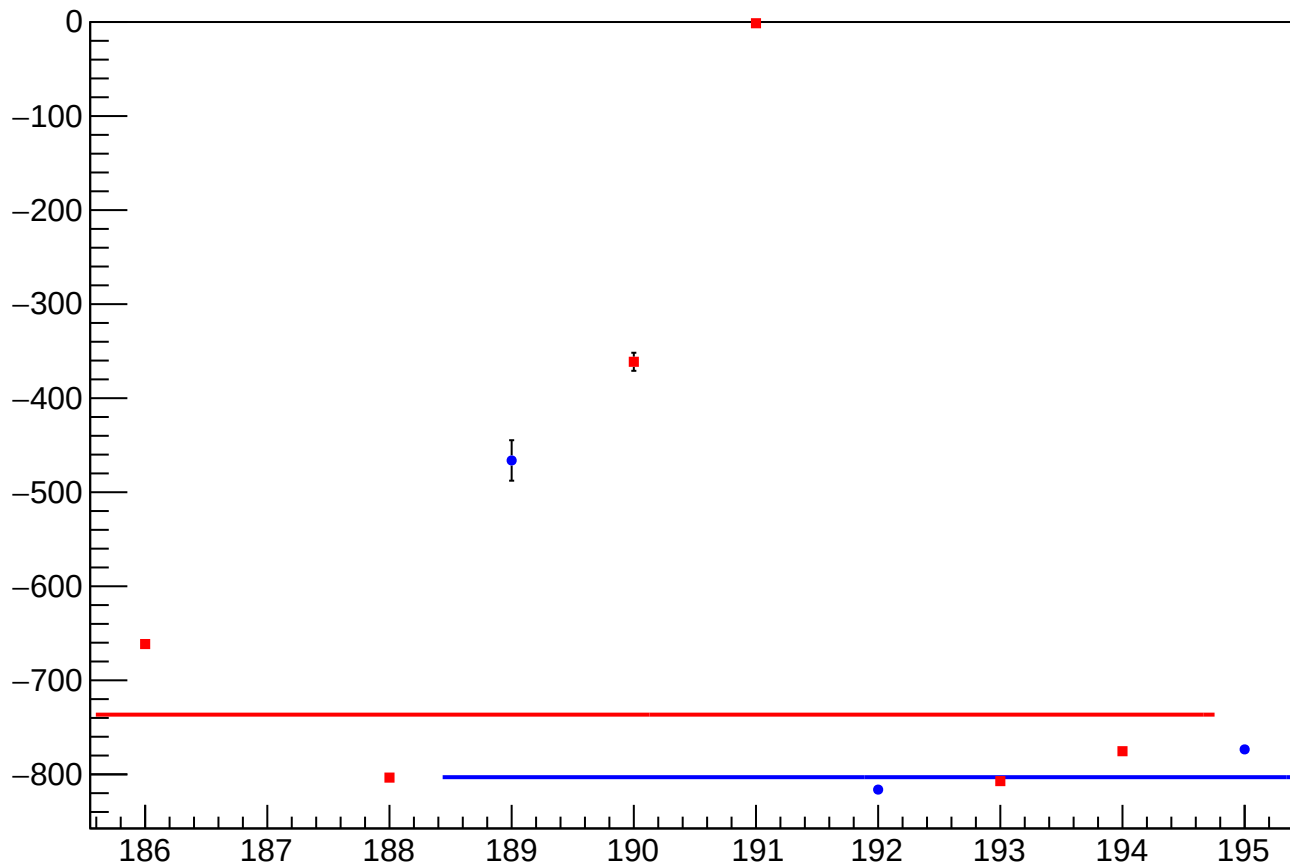
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-9.049 \pm 0.081$   $\chi^2/\text{NDF}$ : 14053.1/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_4aX\_slope vs Slug



Right In:  $-803.001 \pm 0.427$   $\chi^2/\text{NDF}: 2377.0/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-736.499 \pm 0.170$   $\chi^2/\text{NDF}: 1523684.3/5$

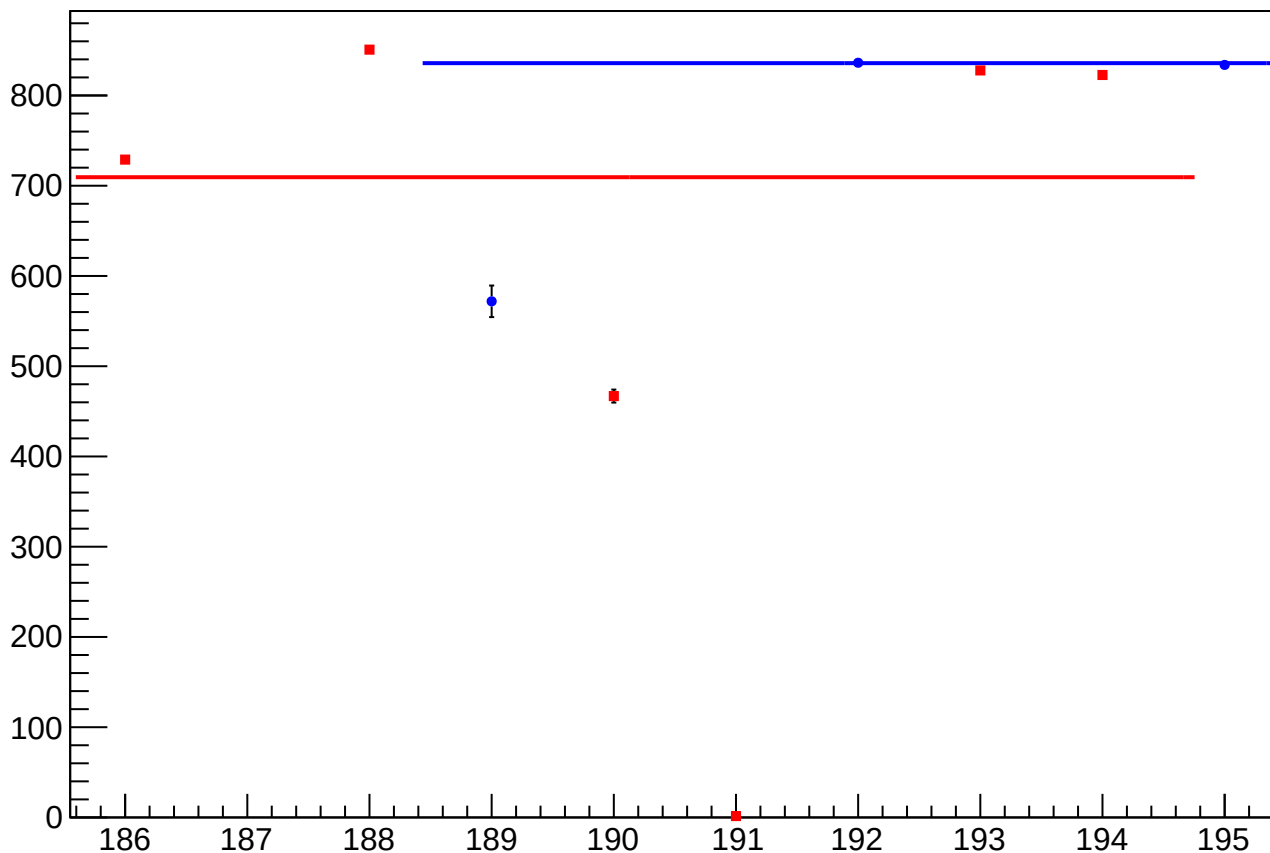
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-745.584 \pm 0.158$   $\chi^2/\text{NDF}: 1547043.2/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

dit\_atr2\_4eX\_slope vs Slug



Right In: 835.812 $\pm$ 0.254  $\chi^2$ /NDF: 240.2/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 709.429 $\pm$ 0.109  $\chi^2$ /NDF: 6863006.2/5

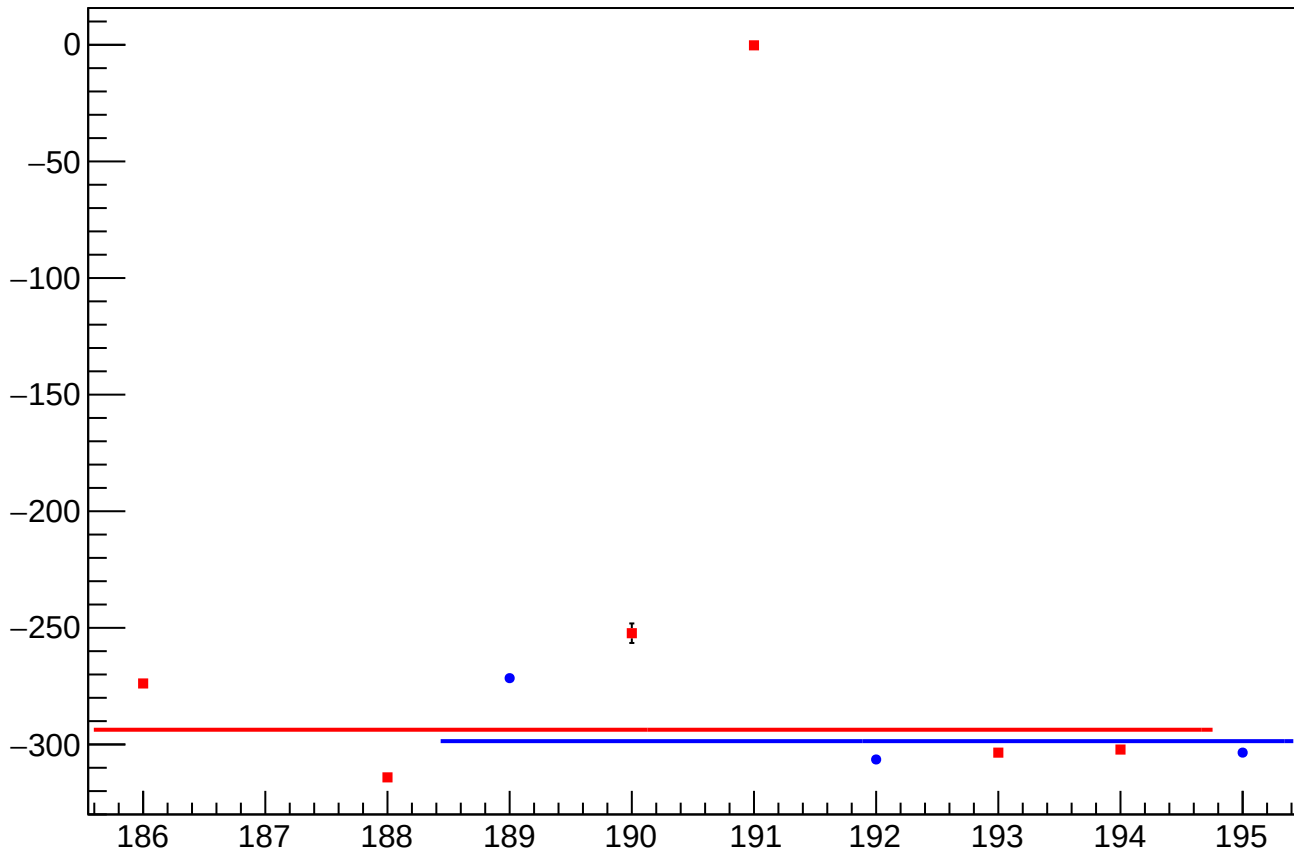
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 729.045 $\pm$ 0.100  $\chi^2$ /NDF: 7072869.3/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_11X12X\_slope vs Slug



Right In: -298.579+/-0.088  $\chi^2/\text{NDF}$ : 25951.7/2

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -293.689+/-0.047  $\chi^2/\text{NDF}$ : 1119999.3/5

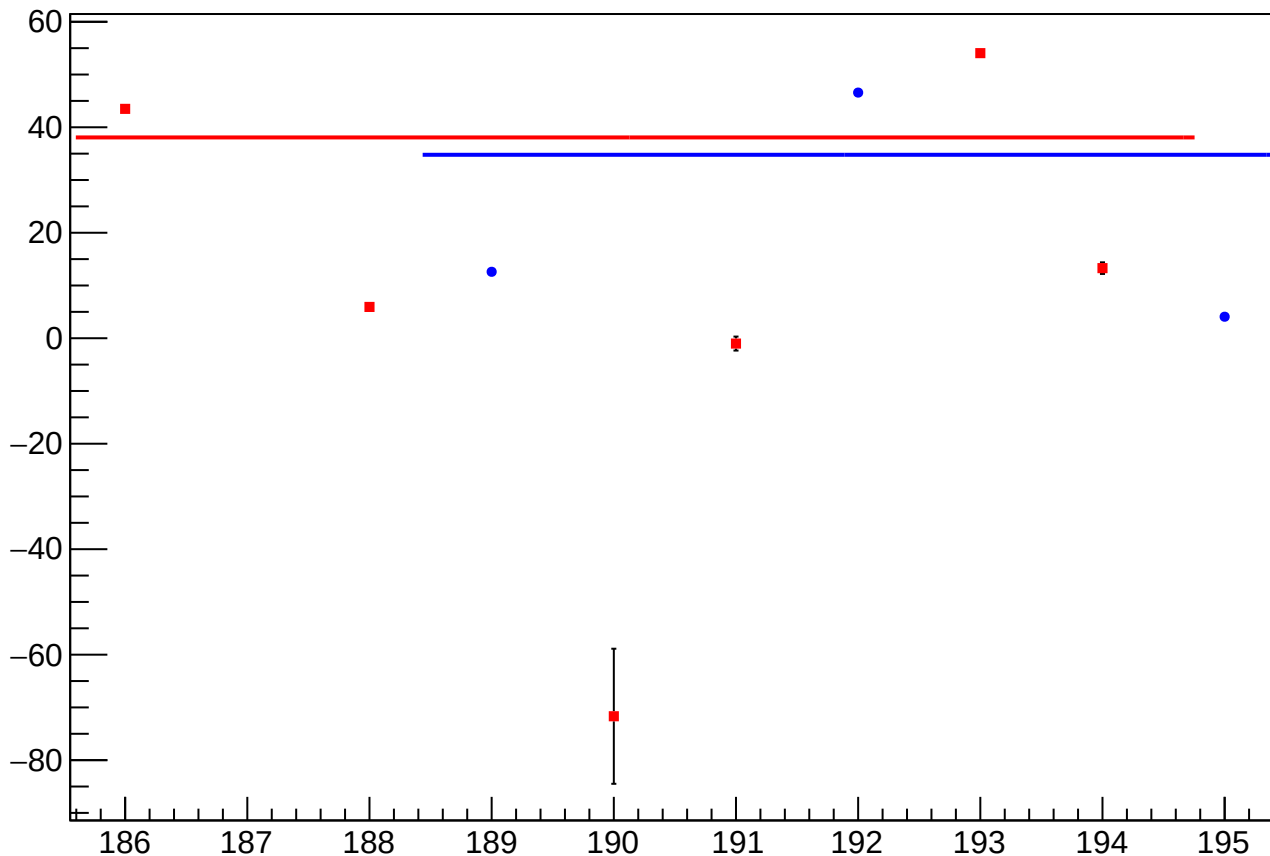
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -294.791+/-0.042  $\chi^2/\text{NDF}$ : 1148345.8/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_4aY\_slope vs Slug



Right In: 34.784 $\pm$ 0.301  $\chi^2$ /NDF: 3526.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 38.074 $\pm$ 0.256  $\chi^2$ /NDF: 5029.3/5

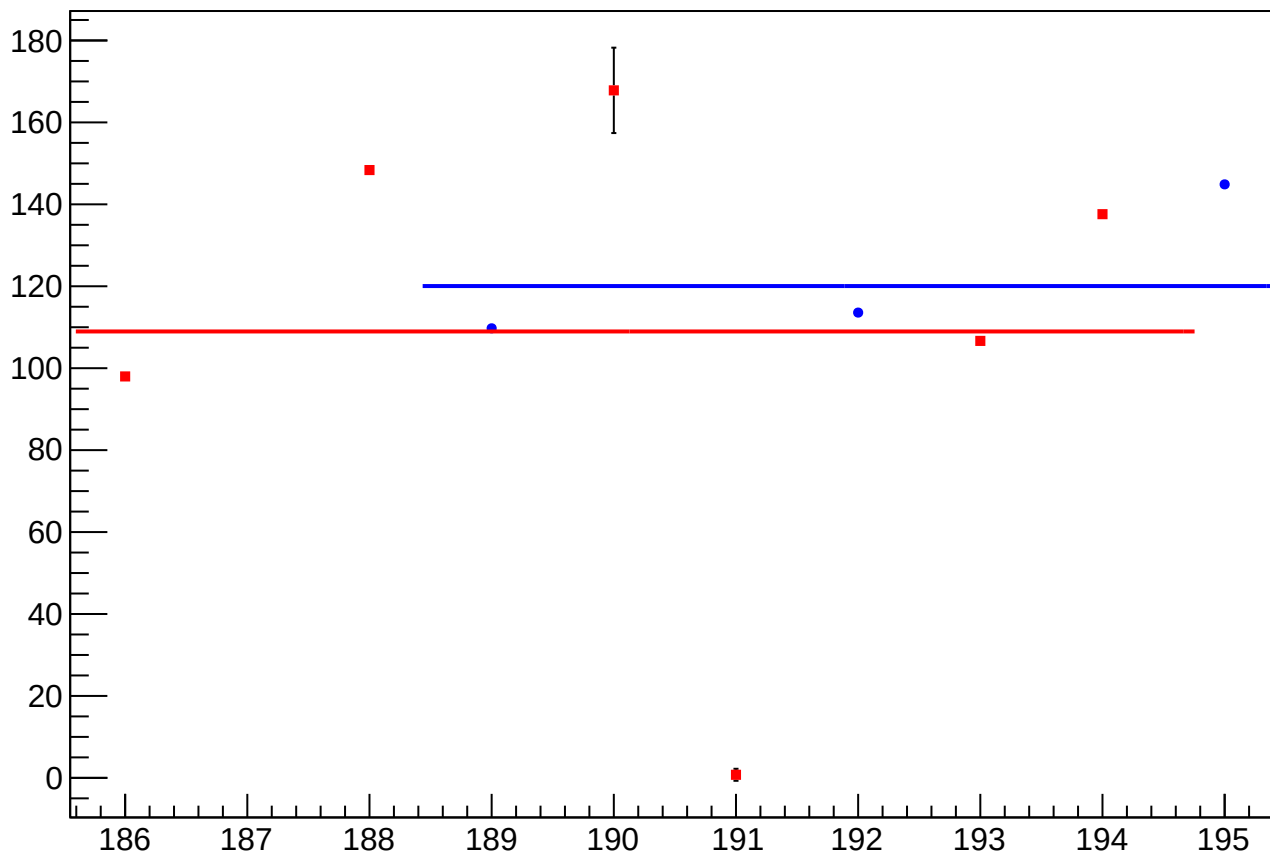
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 36.696 $\pm$ 0.195  $\chi^2$ /NDF: 8625.4/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_4eY\_slope vs Slug



Right In: 120.052 $\pm$ 0.295  $\chi^2$ /NDF: 1960.5/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 108.969 $\pm$ 0.246  $\chi^2$ /NDF: 11158.2/5

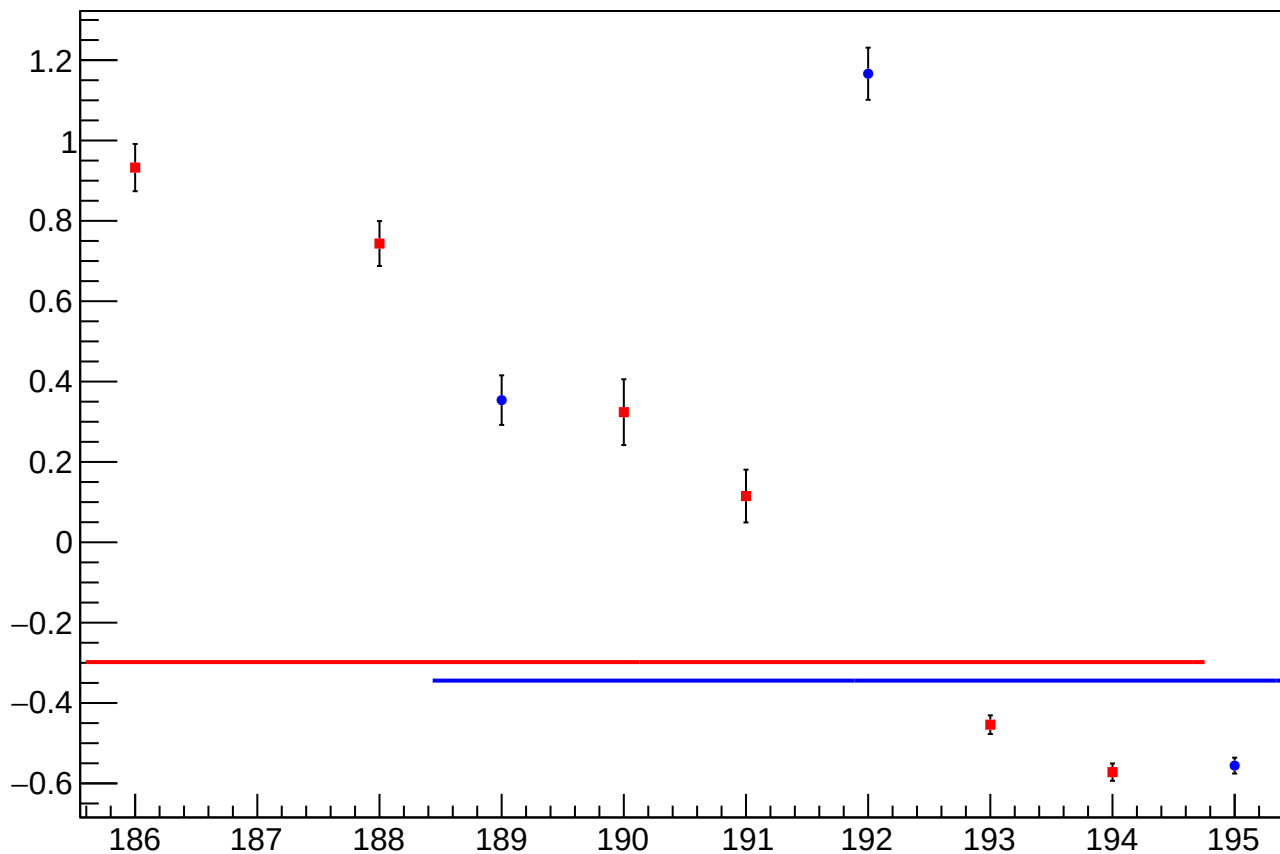
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 113.500 $\pm$ 0.189  $\chi^2$ /NDF: 13950.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_4aX\_slope vs Slug



Right In:  $-0.344 \pm 0.018$   $\chi^2/\text{NDF}: 784.7/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.298 \pm 0.014$   $\chi^2/\text{NDF}: 1089.0/5$

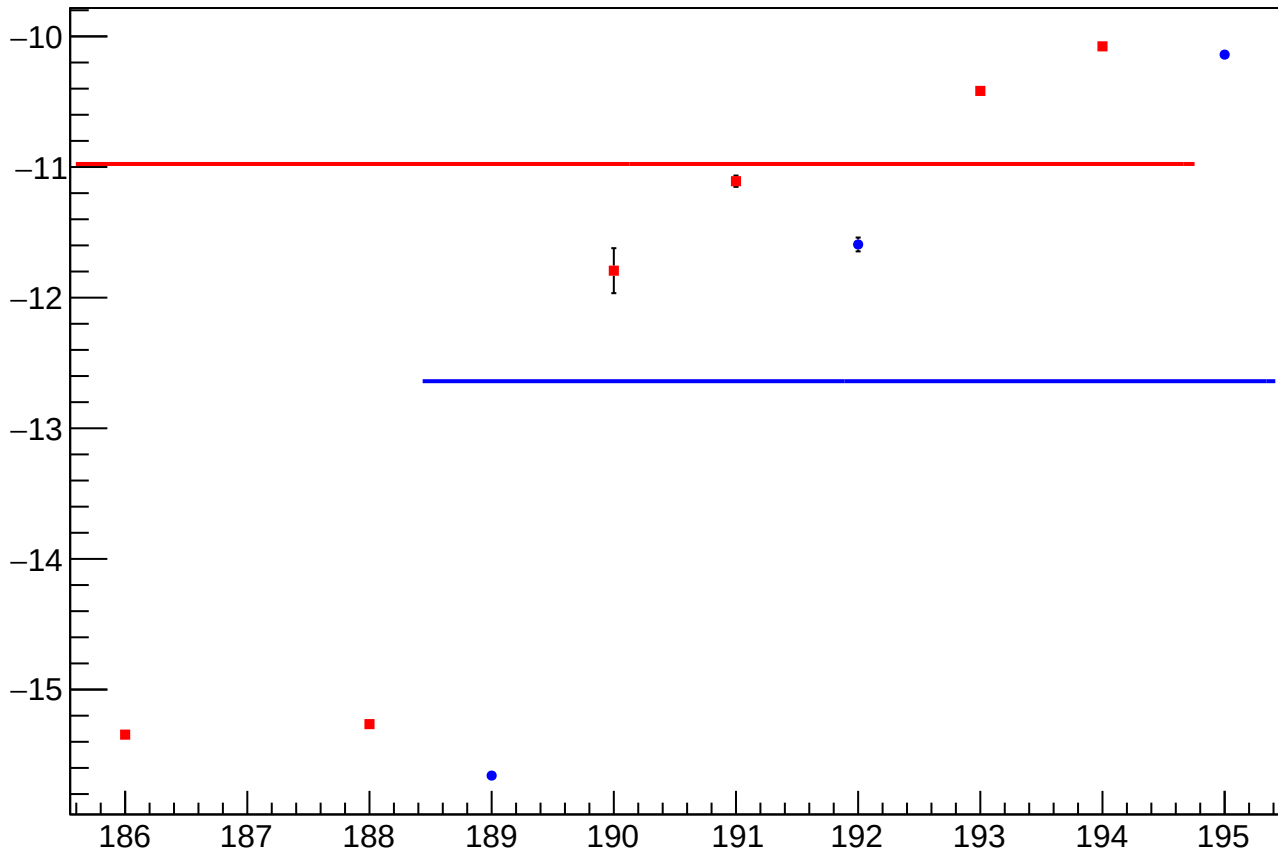
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.316 \pm 0.011$   $\chi^2/\text{NDF}: 1877.7/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam1\_4eX\_slope vs Slug



Right In:  $-12.640 \pm 0.011$   $\chi^2/\text{NDF}$ : 58089.9/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-10.977 \pm 0.009$   $\chi^2/\text{NDF}$ : 37888.1/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

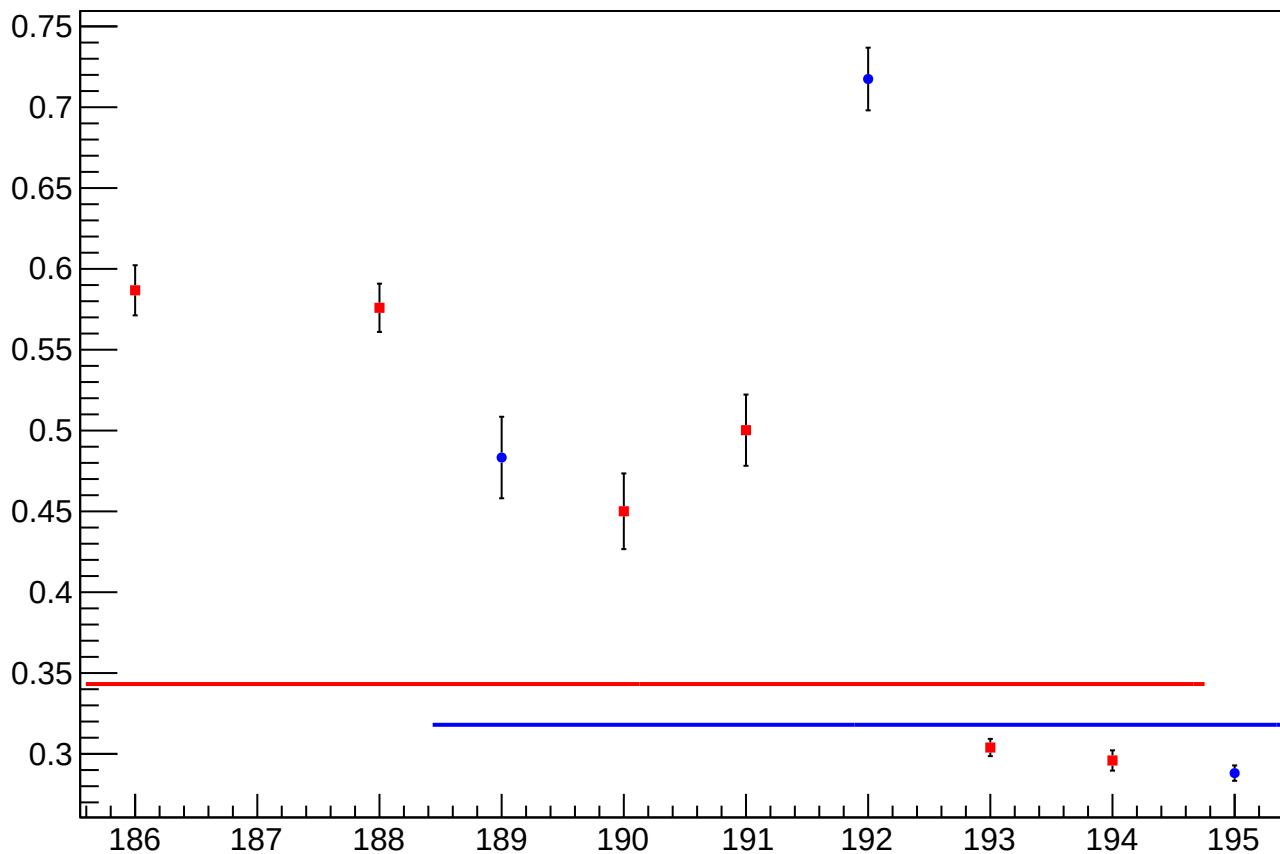
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-11.645 \pm 0.007$   $\chi^2/\text{NDF}$ : 109166.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam1\_11X12X\_slope vs Slug



Right In: 0.318 $\pm$ 0.005  $\chi^2$ /NDF: 506.9/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.343 $\pm$ 0.004  $\chi^2$ /NDF: 672.2/5

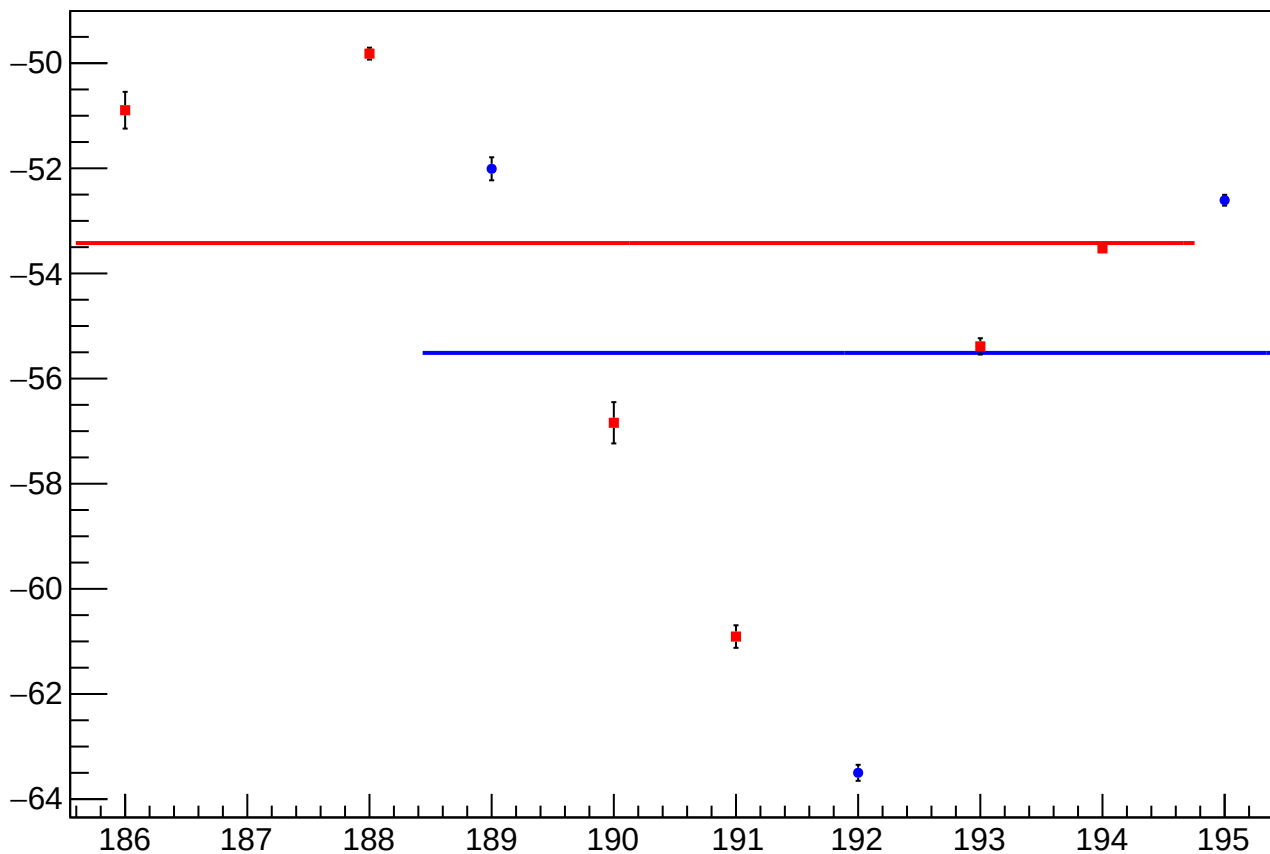
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.333 $\pm$ 0.003  $\chi^2$ /NDF: 1197.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_4aY\_slope vs Slug



Right In:  $-55.511 \pm 0.080$   $\chi^2/\text{NDF}$ : 3803.0/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-53.422 \pm 0.045$   $\chi^2/\text{NDF}$ : 2522.8/5

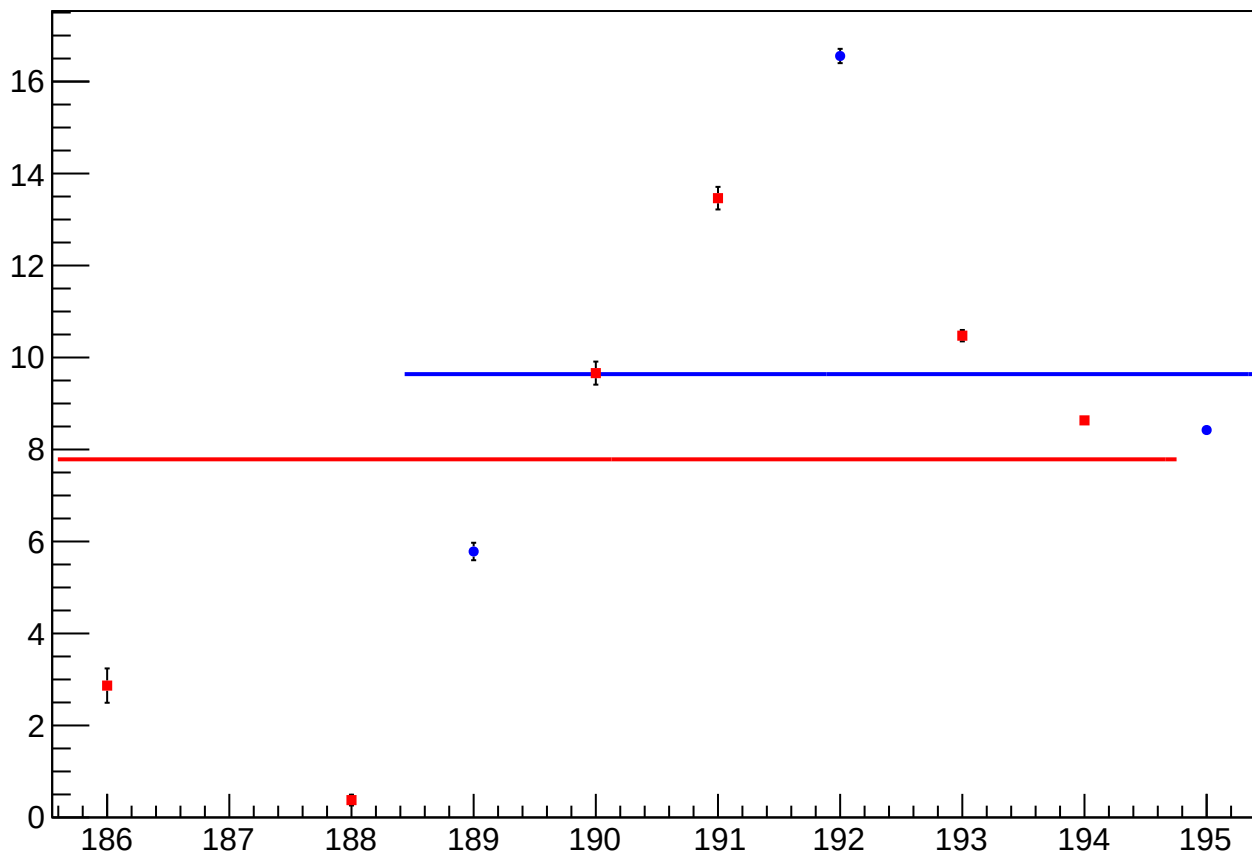
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-53.927 \pm 0.039$   $\chi^2/\text{NDF}$ : 6848.1/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_4eY\_slope vs Slug



Right In: 9.639+/-0.068  $\chi^2/\text{NDF}$ : 2610.5/2

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.786+/-0.045  $\chi^2/\text{NDF}$ : 5443.9/5

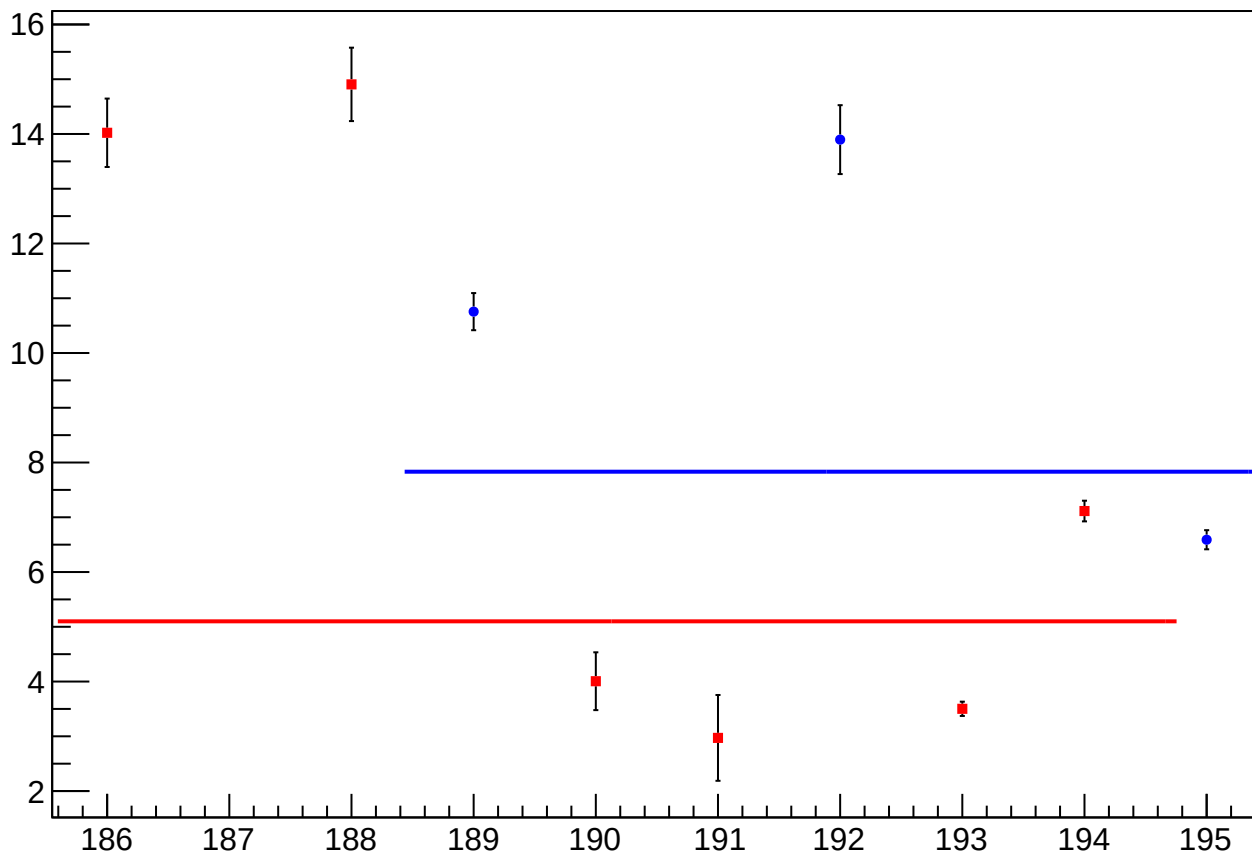
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.346+/-0.037  $\chi^2/\text{NDF}$ : 8572.9/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_4aX\_slope vs Slug



Right In: 7.832 $\pm$ 0.151  $\chi^2$ /NDF: 217.9/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 5.100 $\pm$ 0.102  $\chi^2$ /NDF: 693.3/5

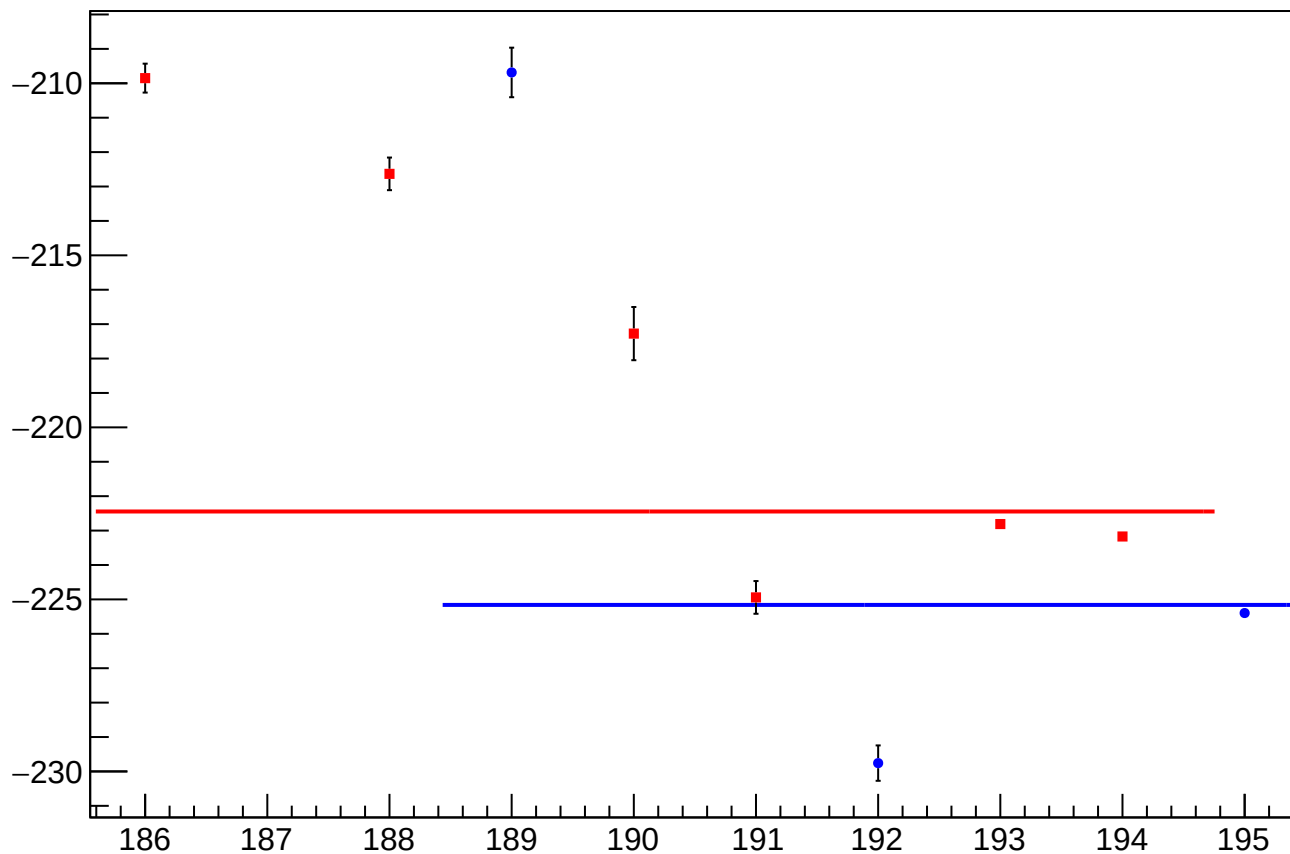
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.954 $\pm$ 0.084  $\chi^2$ /NDF: 1137.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4eX\_slope vs Slug



Right In:  $-225.160 \pm 0.131$   $\chi^2/\text{NDF}$ : 544.8/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-222.445 \pm 0.062$   $\chi^2/\text{NDF}$ : 1456.3/5

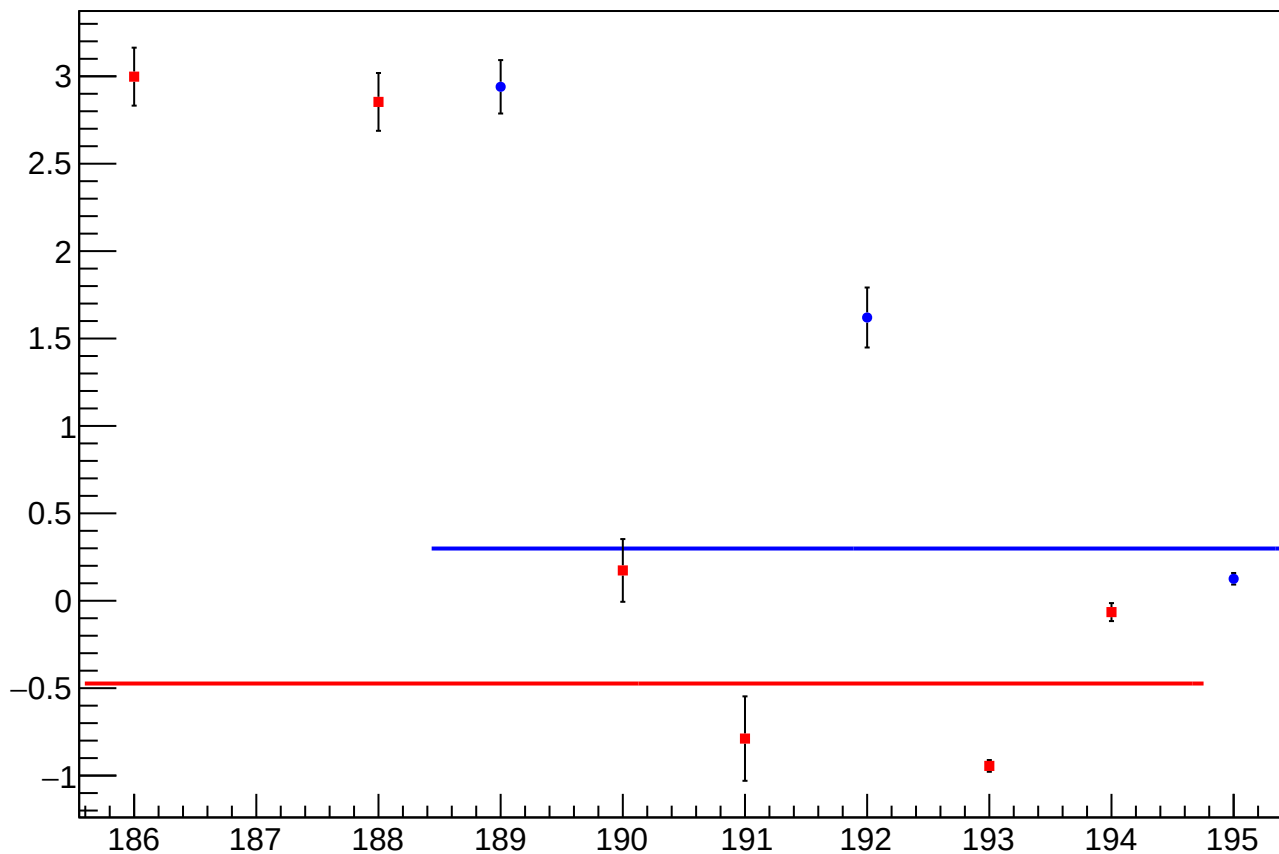
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-222.938 \pm 0.056$   $\chi^2/\text{NDF}$ : 2354.1/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_11X12X\_slope vs Slug



Right In:  $0.299 \pm 0.032$   $\chi^2/\text{NDF}: 385.5/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.473 \pm 0.027$   $\chi^2/\text{NDF}: 1117.7/5$

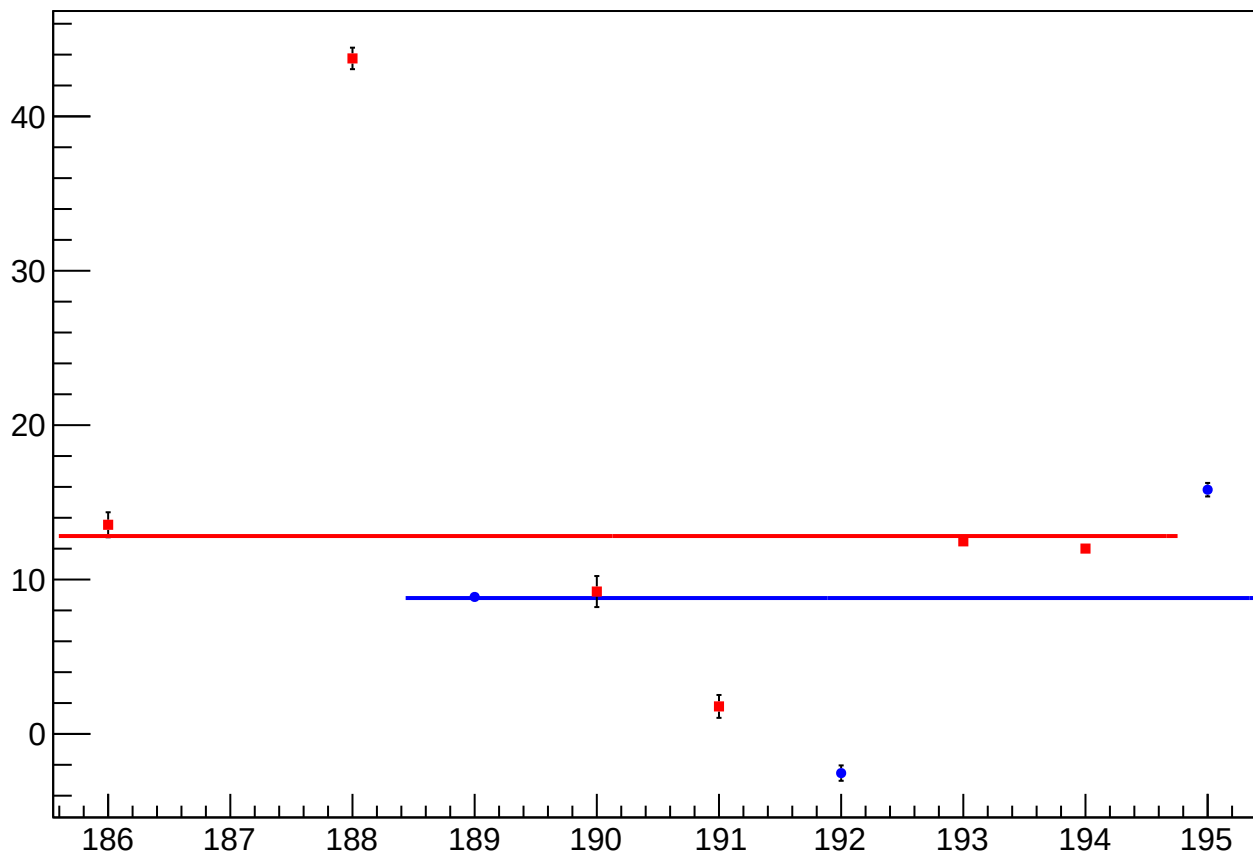
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.151 \pm 0.021$   $\chi^2/\text{NDF}: 1847.4/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam2\_4aY\_slope vs Slug



Right In:  $8.802 \pm 0.085$   $\chi^2/\text{NDF}: 773.7/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $12.817 \pm 0.125$   $\chi^2/\text{NDF}: 2241.6/5$

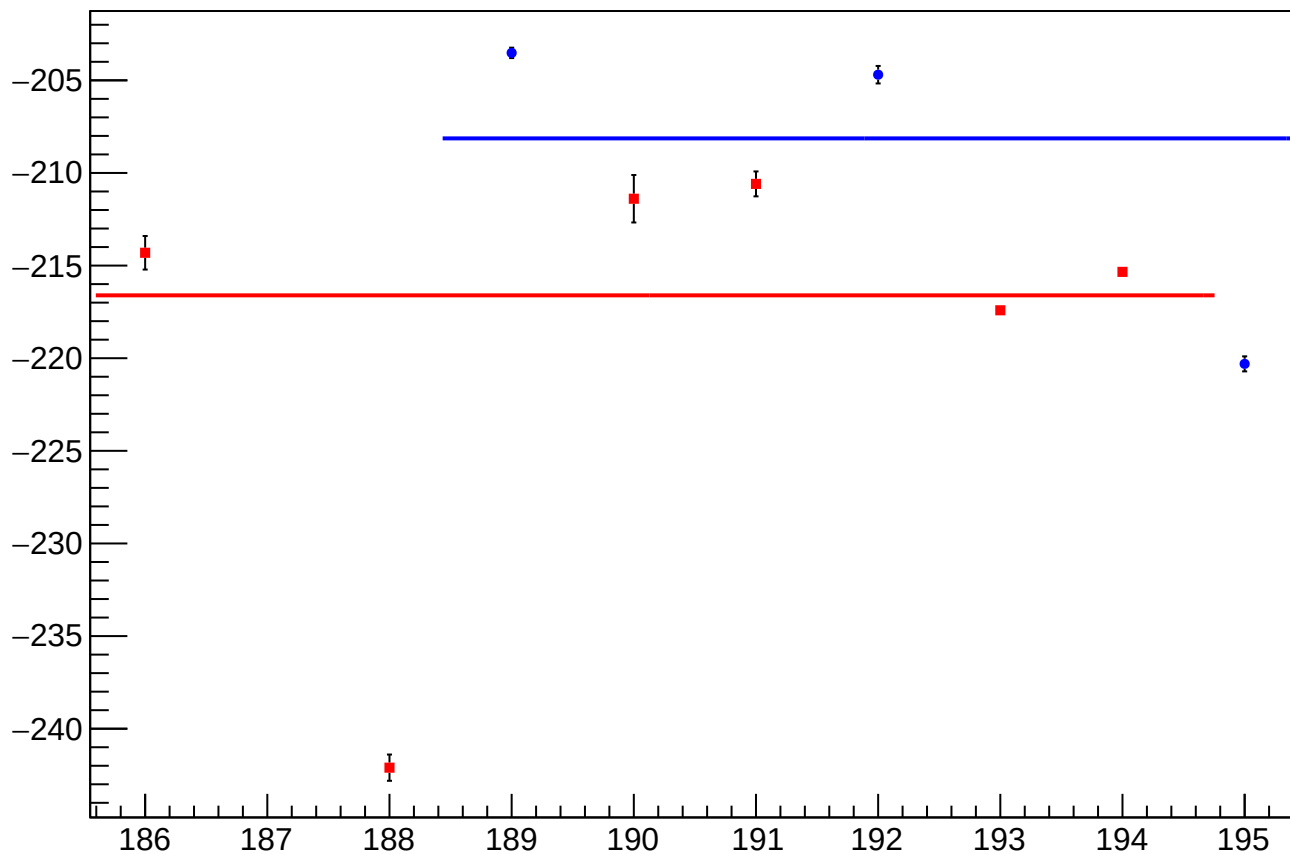
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $10.087 \pm 0.070$   $\chi^2/\text{NDF}: 3721.7/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam2\_4eY\_slope vs Slug



Right In:  $-208.134 \pm 0.207$   $\chi^2/\text{NDF}: 1222.7/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-216.607 \pm 0.133$   $\chi^2/\text{NDF}: 1462.8/5$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

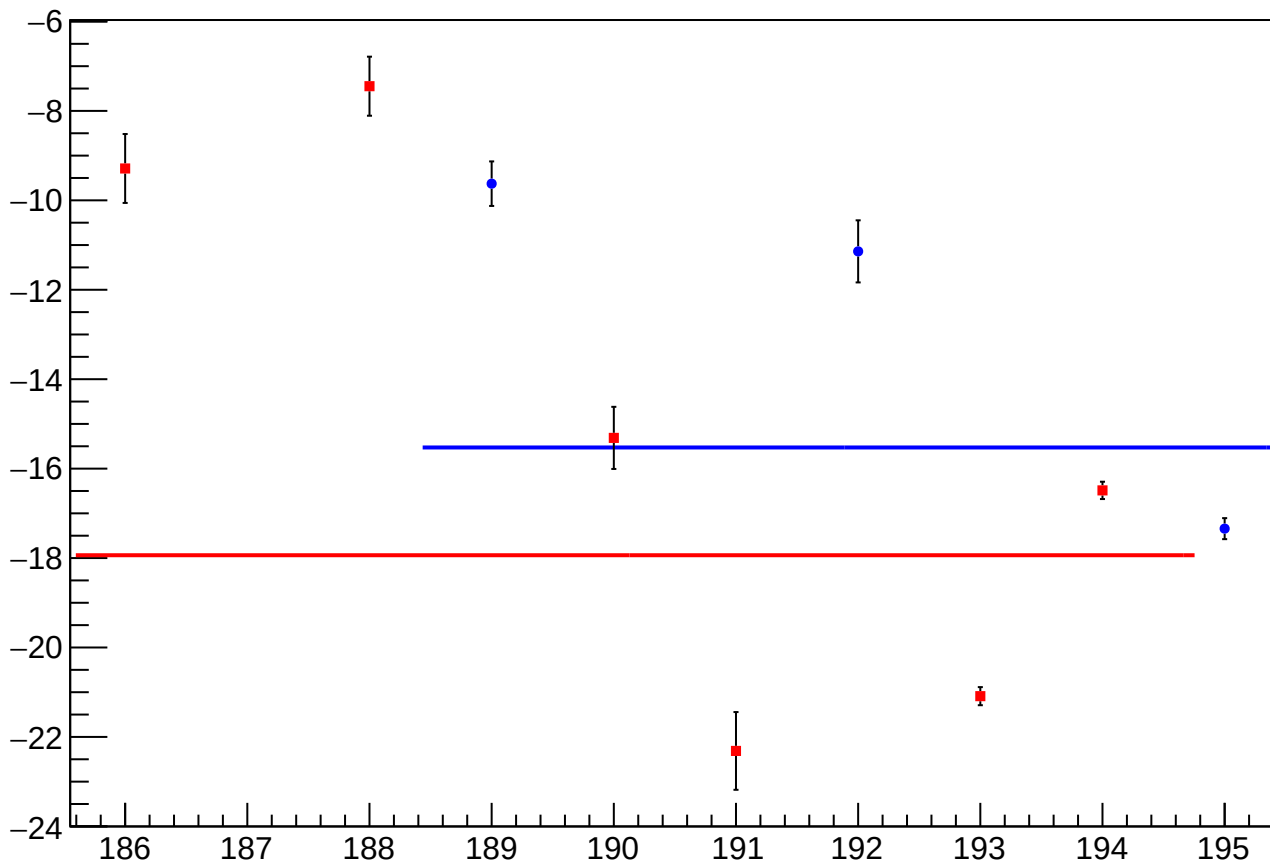
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-214.140 \pm 0.112$   $\chi^2/\text{NDF}: 3867.4/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# dit\_sam3\_4aX\_slope vs Slug



Right In:  $-15.527 \pm 0.203$   $\chi^2/\text{NDF}$ : 239.9/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-17.937 \pm 0.131$   $\chi^2/\text{NDF}$ : 716.3/5

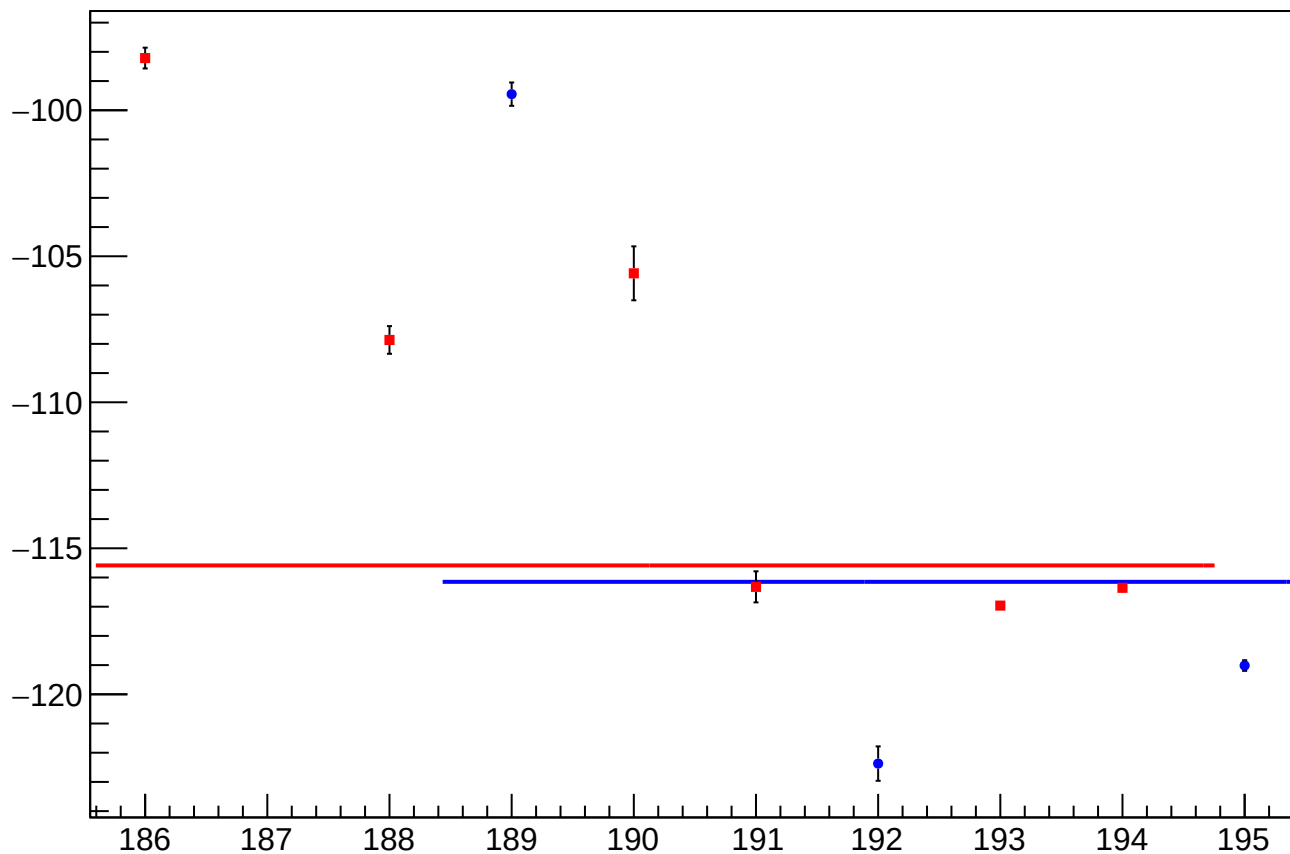
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-17.230 \pm 0.110$   $\chi^2/\text{NDF}$ : 1055.6/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4eX\_slope vs Slug



Right In:  $-116.148 \pm 0.159$   $\chi^2/\text{NDF}$ : 2108.1/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-115.587 \pm 0.075$   $\chi^2/\text{NDF}$ : 2986.7/5

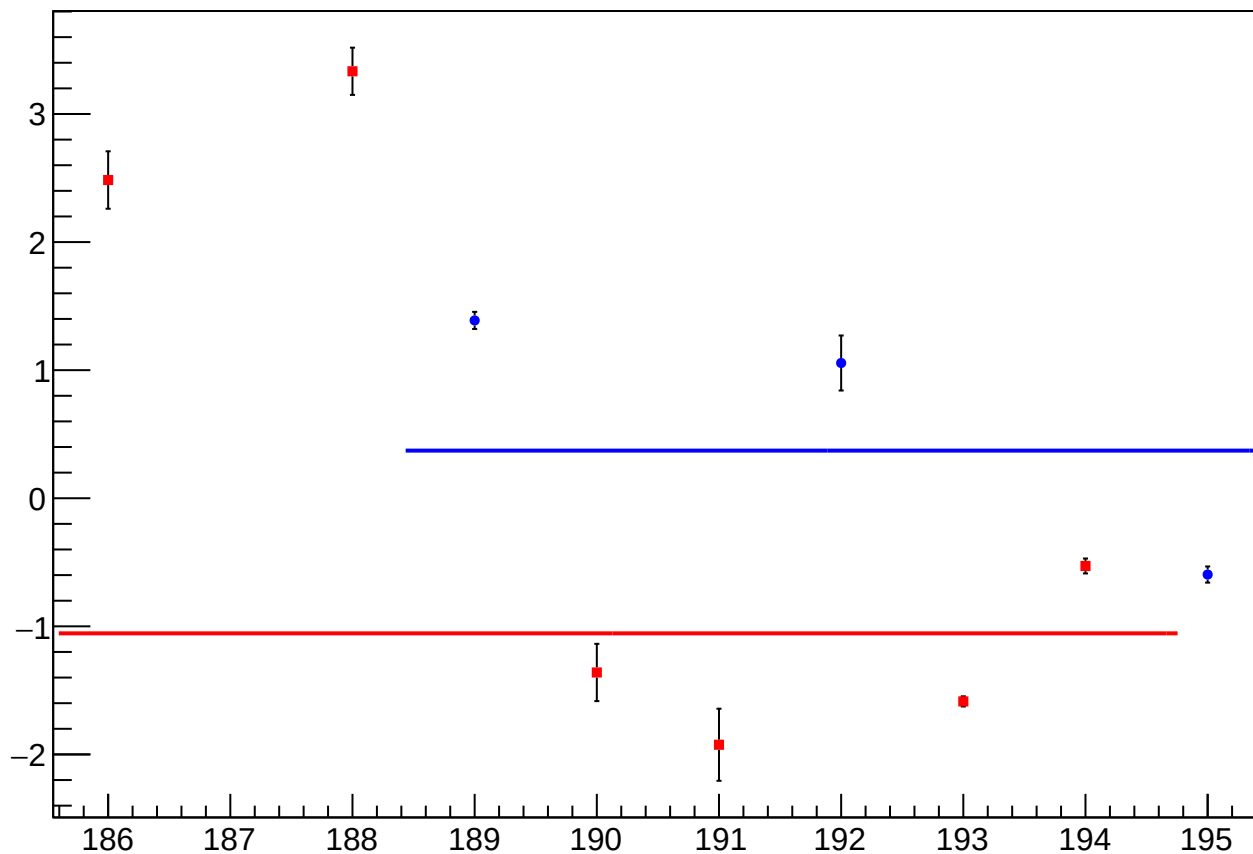
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-115.689 \pm 0.068$   $\chi^2/\text{NDF}$ : 5105.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_11X12X\_slope vs Slug



Right In:  $0.372 \pm 0.045$   $\chi^2/\text{NDF}$ : 476.9/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.055 \pm 0.031$   $\chi^2/\text{NDF}$ : 1088.0/5

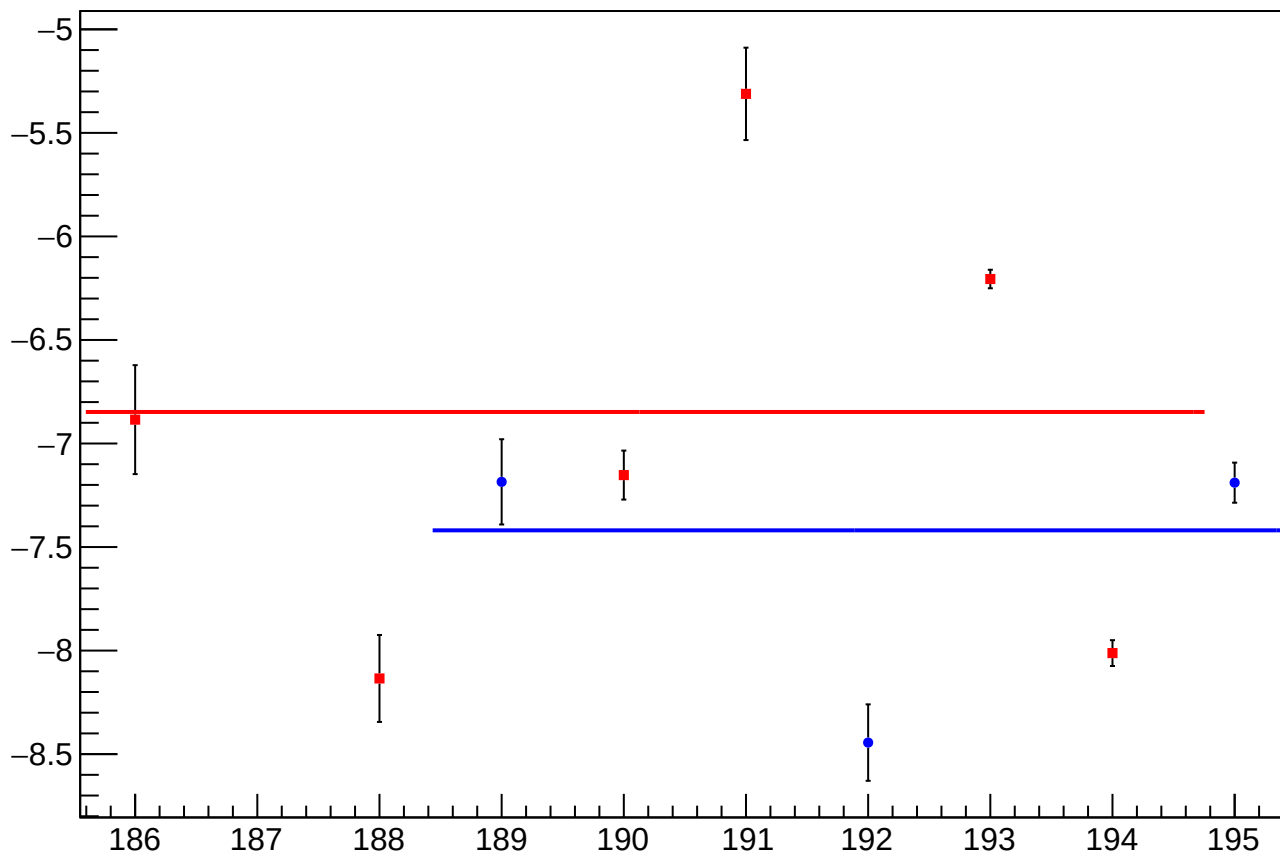
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.584 \pm 0.026$   $\chi^2/\text{NDF}$ : 2243.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4aY\_slope vs Slug



Right In:  $-7.419 \pm 0.079$   $\chi^2/\text{NDF}$ : 37.8/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-6.848 \pm 0.034$   $\chi^2/\text{NDF}$ : 646.0/5

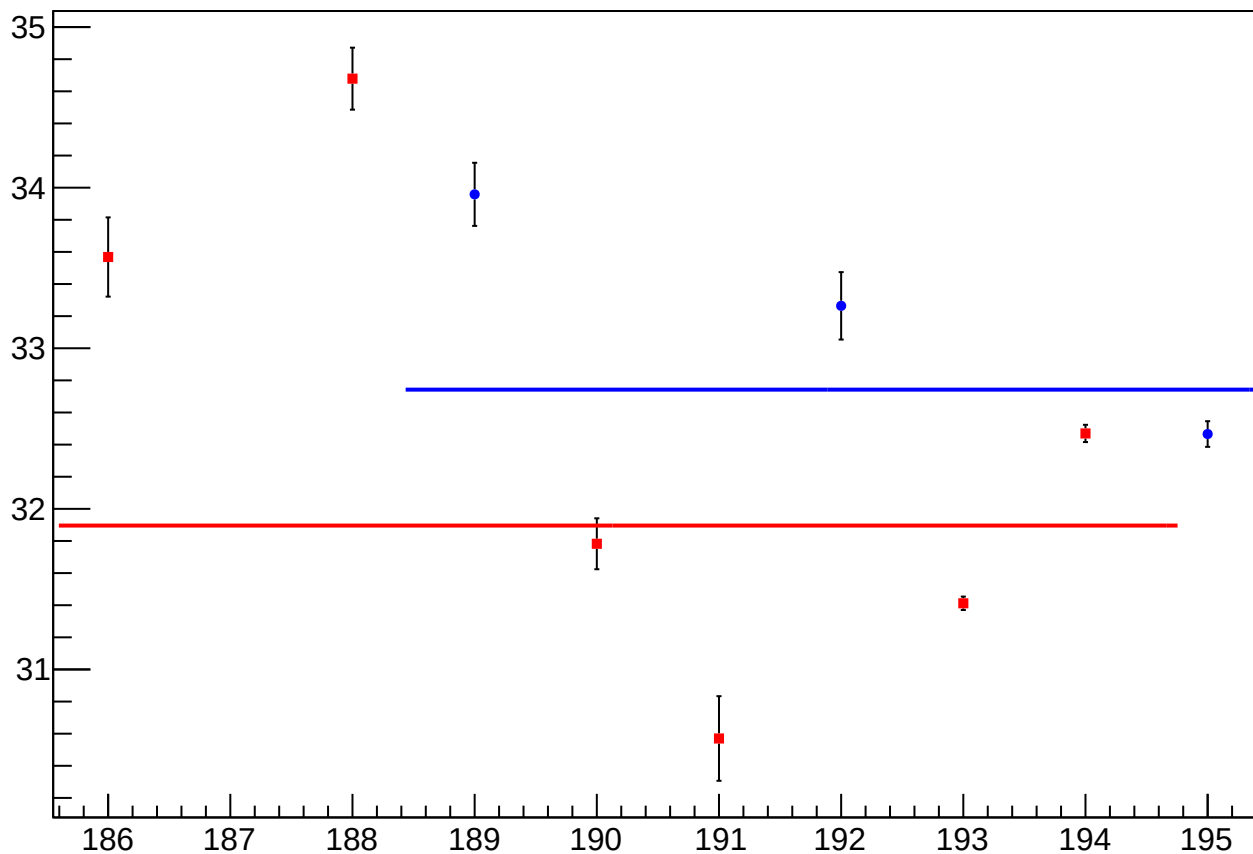
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-6.935 \pm 0.031$   $\chi^2/\text{NDF}$ : 728.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4eY\_slope vs Slug



Right In: 32.742 $\pm$ 0.070  $\chi^2$ /NDF: 56.4/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 31.896 $\pm$ 0.031  $\chi^2$ /NDF: 527.5/5

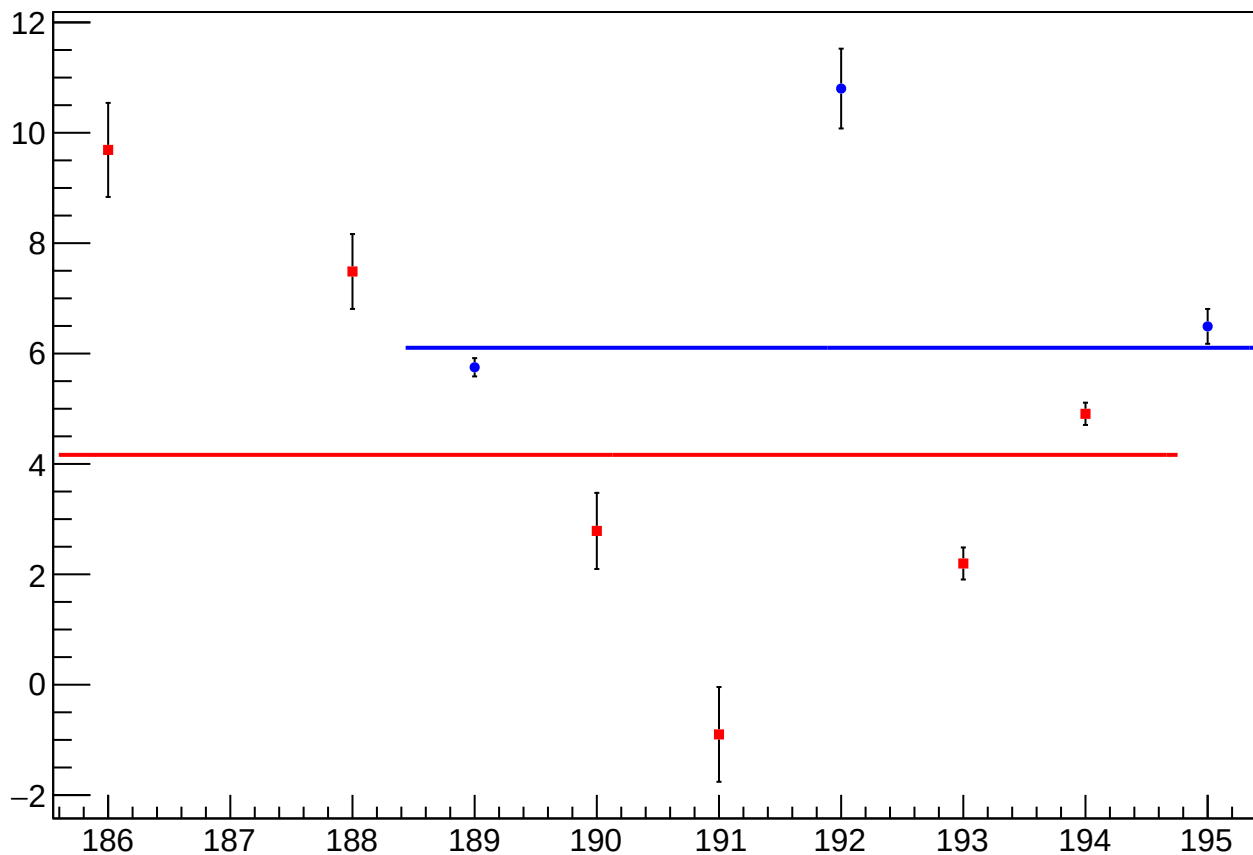
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 32.038 $\pm$ 0.029  $\chi^2$ /NDF: 706.3/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_4aX\_slope vs Slug



Right In: 6.105 $\pm$ 0.144  $\chi^2$ /NDF: 48.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4.164 $\pm$ 0.152  $\chi^2$ /NDF: 164.3/5

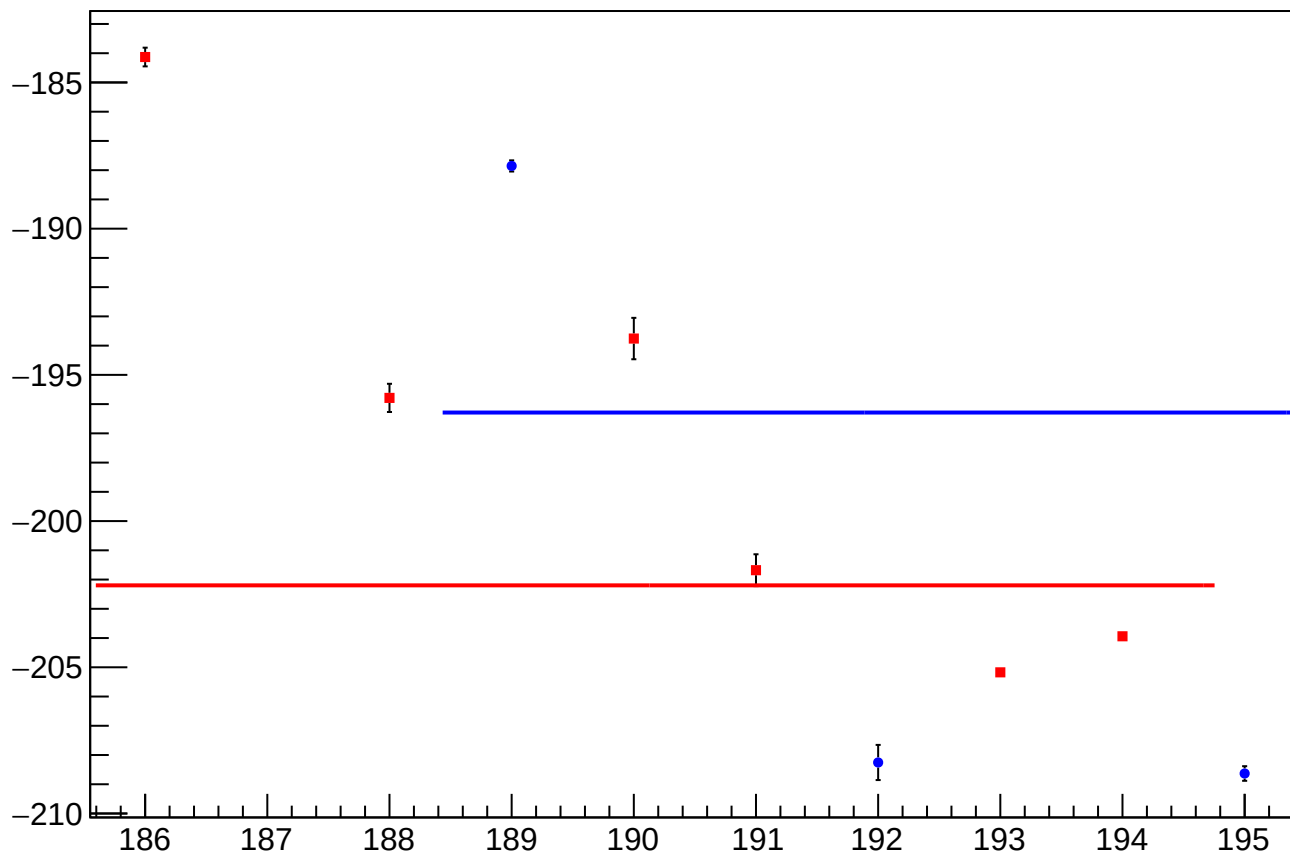
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.187 $\pm$ 0.104  $\chi^2$ /NDF: 298.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_4eX\_slope vs Slug



Right In:  $-196.288 \pm 0.147$   $\chi^2/\text{NDF}$ : 4790.7/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-202.198 \pm 0.091$   $\chi^2/\text{NDF}$ : 4042.3/5

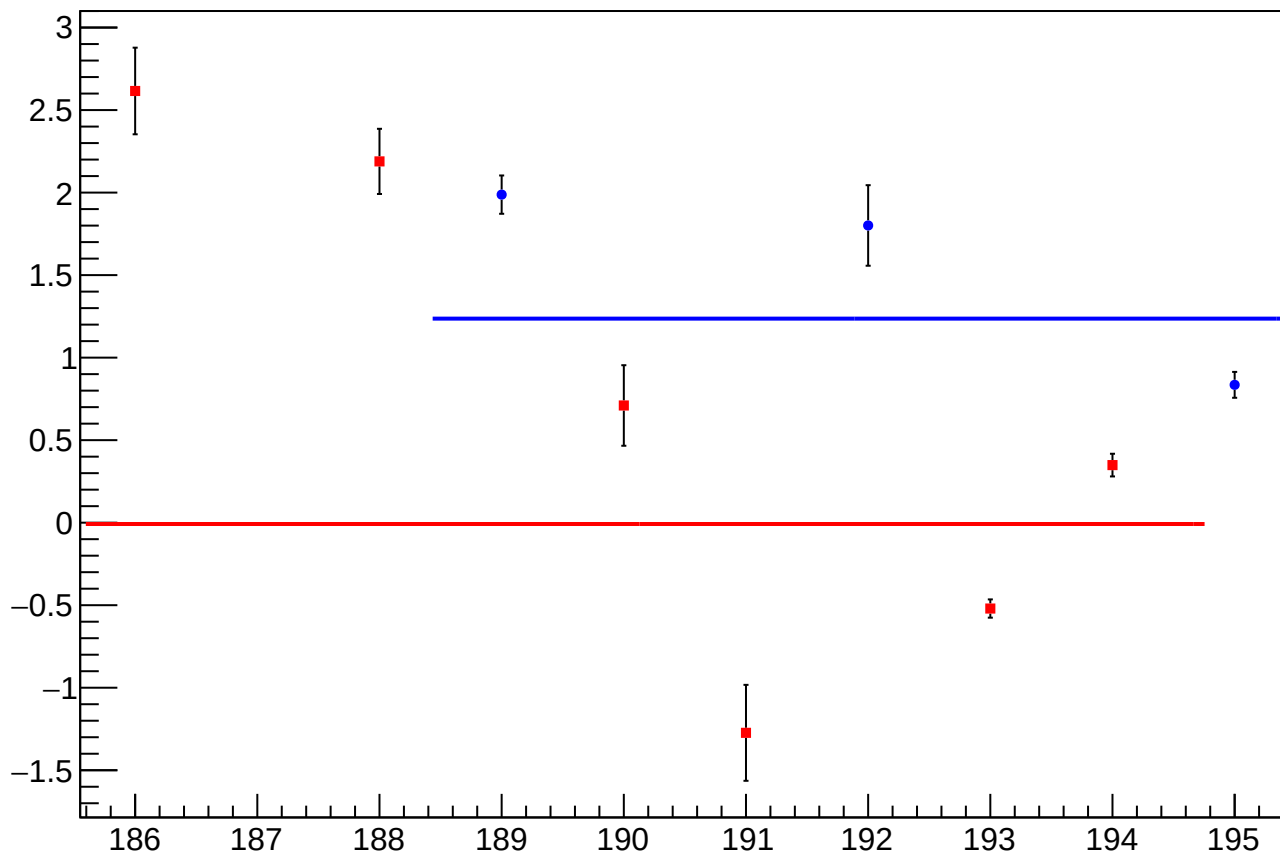
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-200.550 \pm 0.078$   $\chi^2/\text{NDF}$ : 9997.4/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_11X12X\_slope vs Slug



Right In: 1.236 $\pm$ 0.063  $\chi^2$ /NDF: 73.4/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.008 $\pm$ 0.041  $\chi^2$ /NDF: 364.0/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

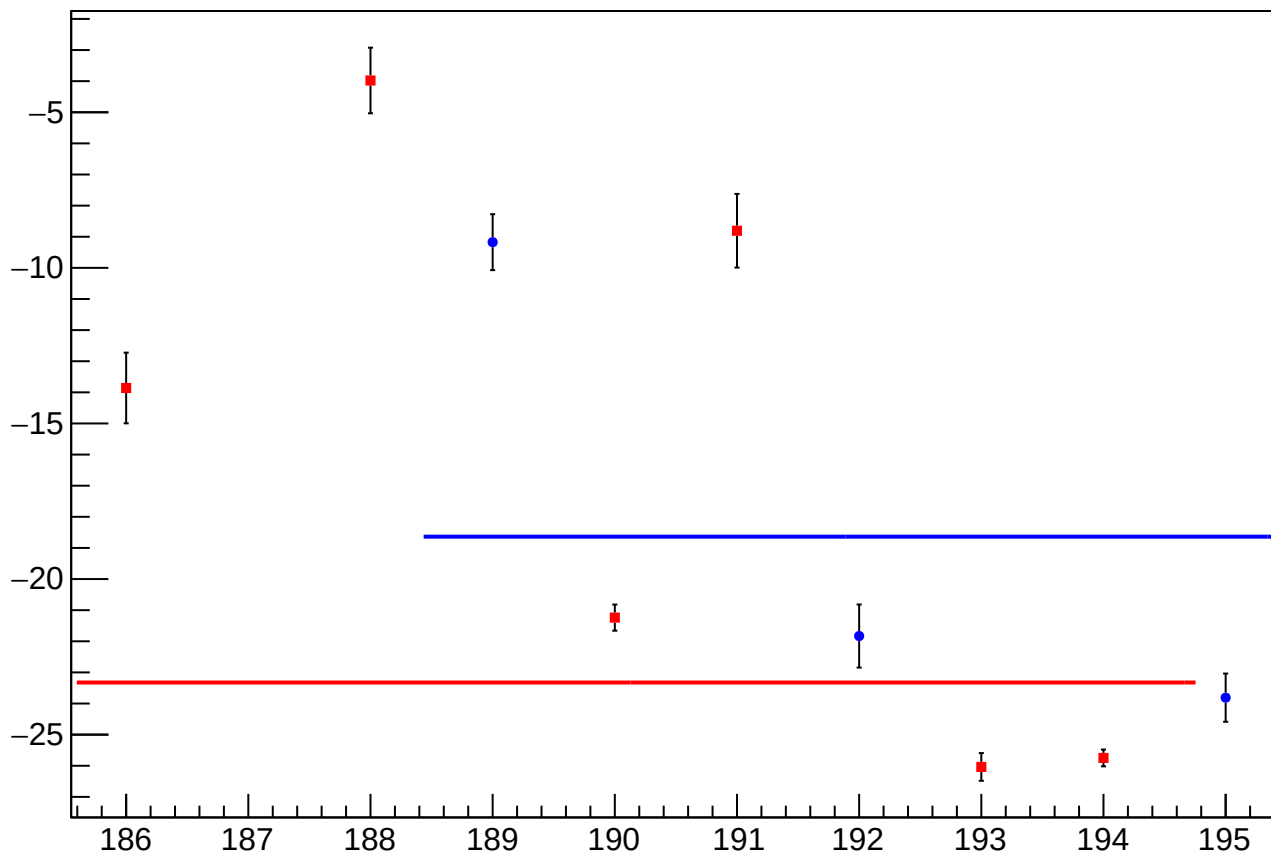
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.359 $\pm$ 0.034  $\chi^2$ /NDF: 714.4/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam4\_4aY\_slope vs Slug



Right In:  $-18.638 \pm 0.508$   $\chi^2/\text{NDF}$ : 165.3/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-23.324 \pm 0.193$   $\chi^2/\text{NDF}$ : 698.6/5

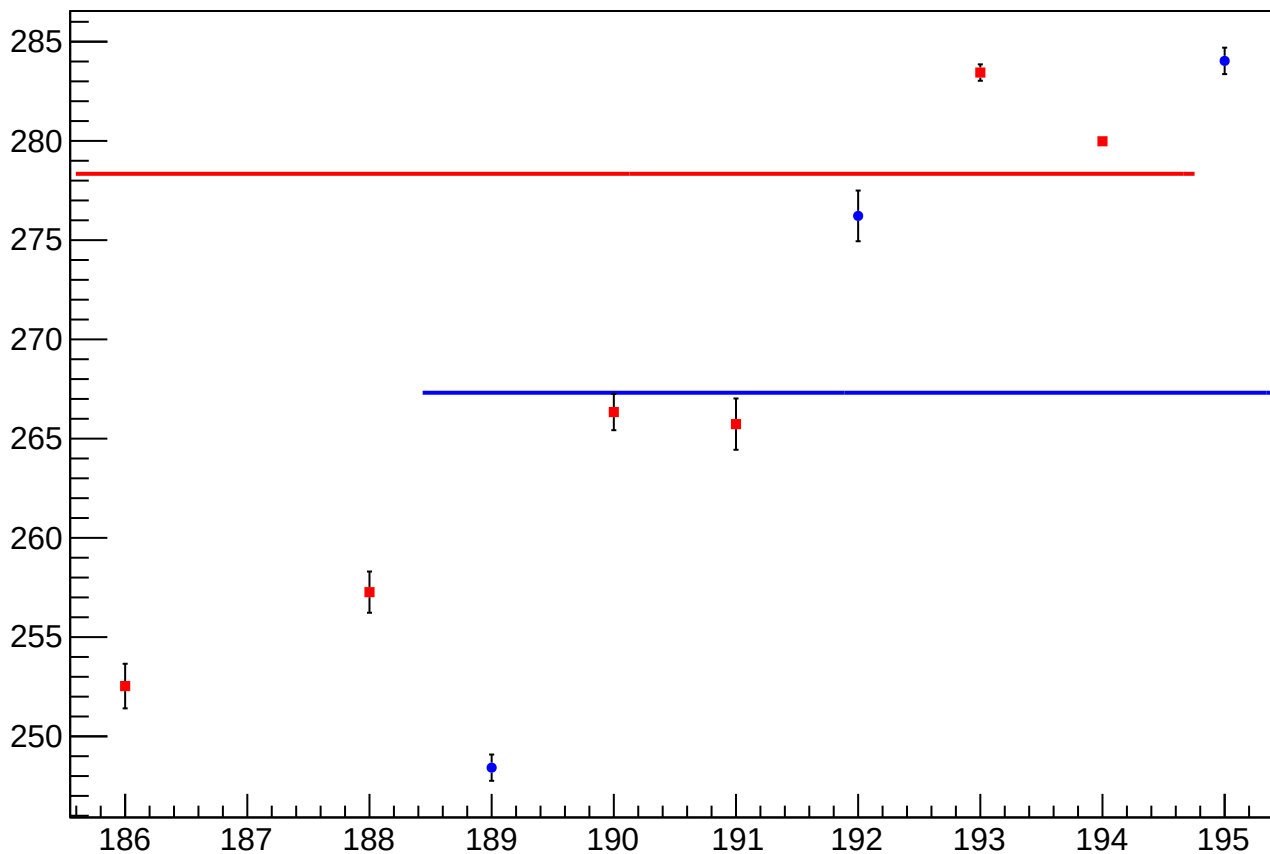
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-22.732 \pm 0.181$   $\chi^2/\text{NDF}$ : 938.3/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_4eY\_slope vs Slug



Right In: 267.312 $\pm$ 0.441  $\chi^2$ /NDF: 1492.5/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 278.343 $\pm$ 0.186  $\chi^2$ /NDF: 1411.9/5

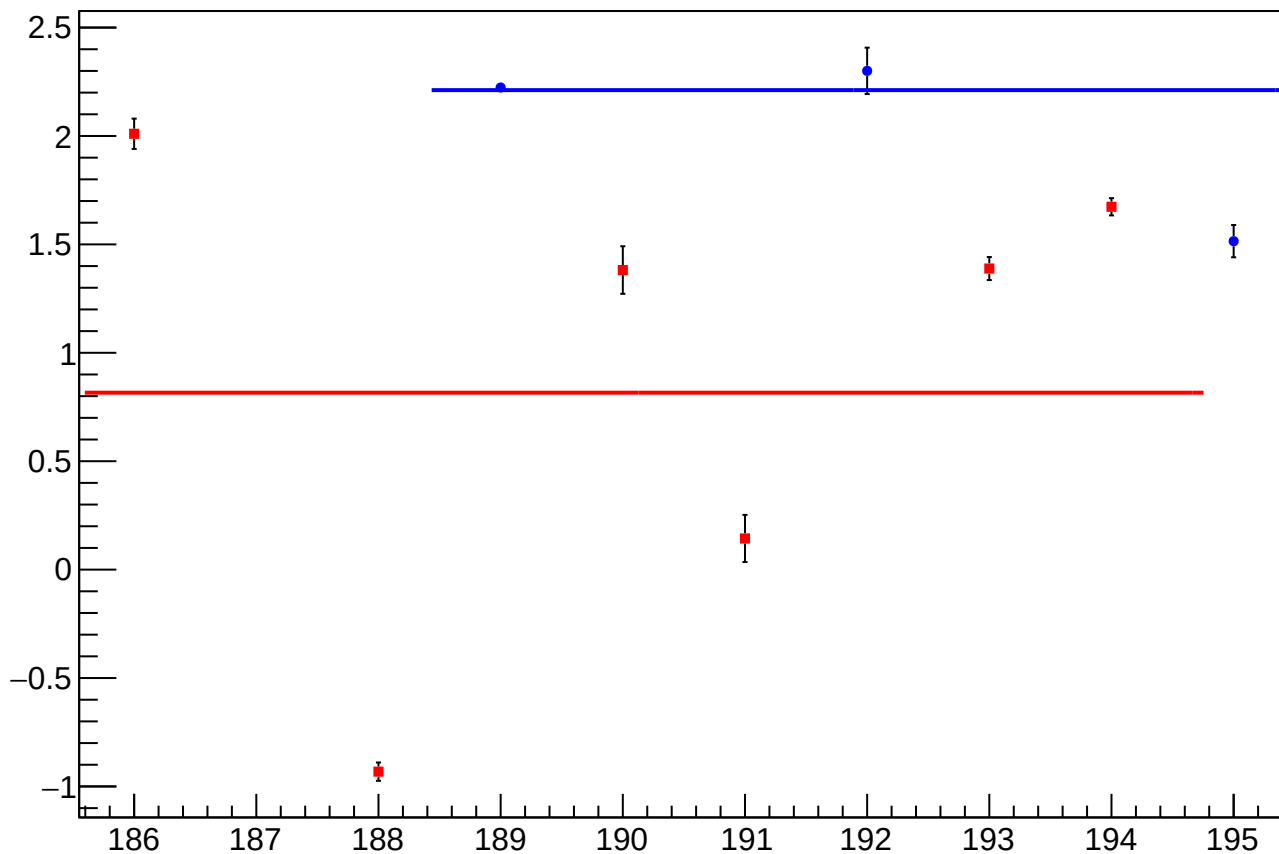
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 276.676 $\pm$ 0.171  $\chi^2$ /NDF: 3436.0/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4aX\_slope vs Slug



Right In: 2.211 $\pm$ 0.010  $\chi^2$ /NDF: 89.6/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.816 $\pm$ 0.023  $\chi^2$ /NDF: 2650.1/5

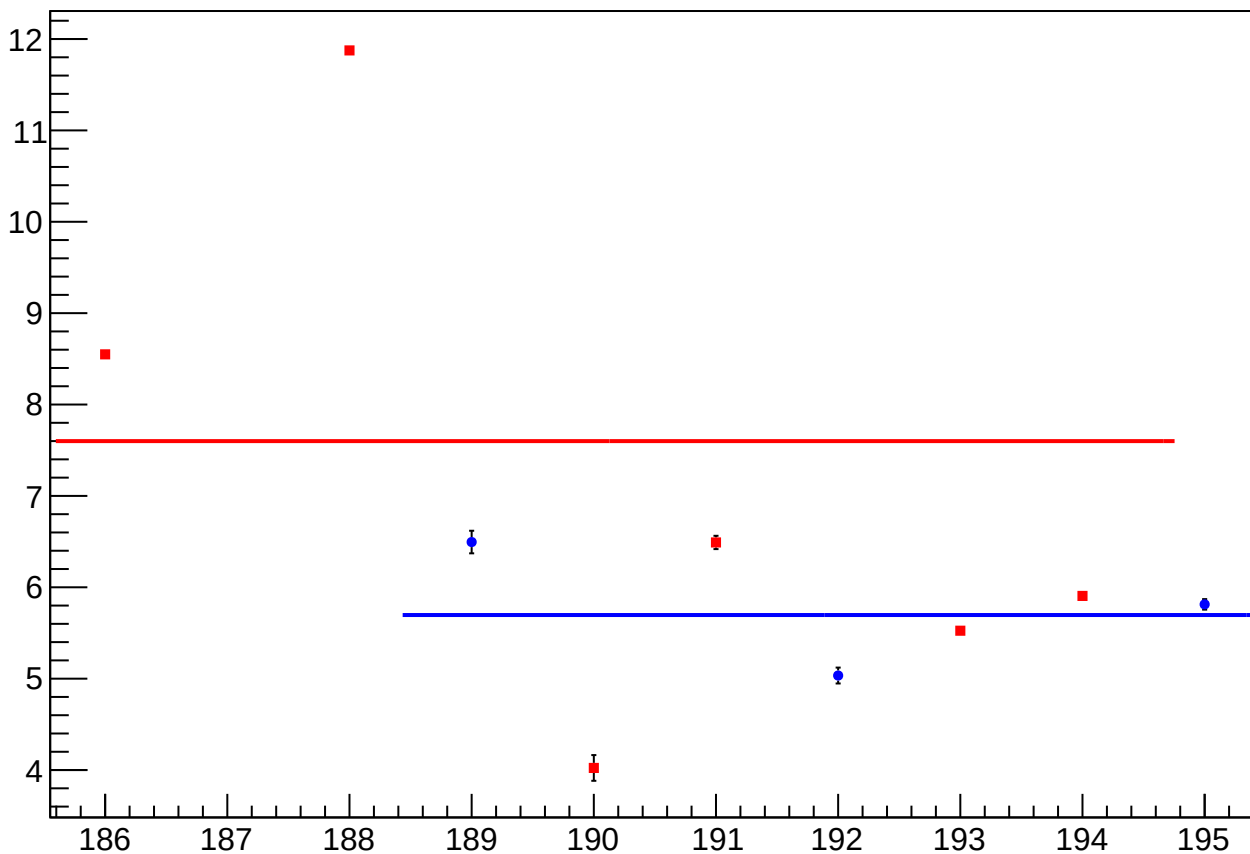
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.988 $\pm$ 0.009  $\chi^2$ /NDF: 5878.5/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4eX\_slope vs Slug



Right In: 5.697 $\pm$ 0.045  $\chi^2$ /NDF: 103.9/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.600 $\pm$ 0.015  $\chi^2$ /NDF: 30253.3/5

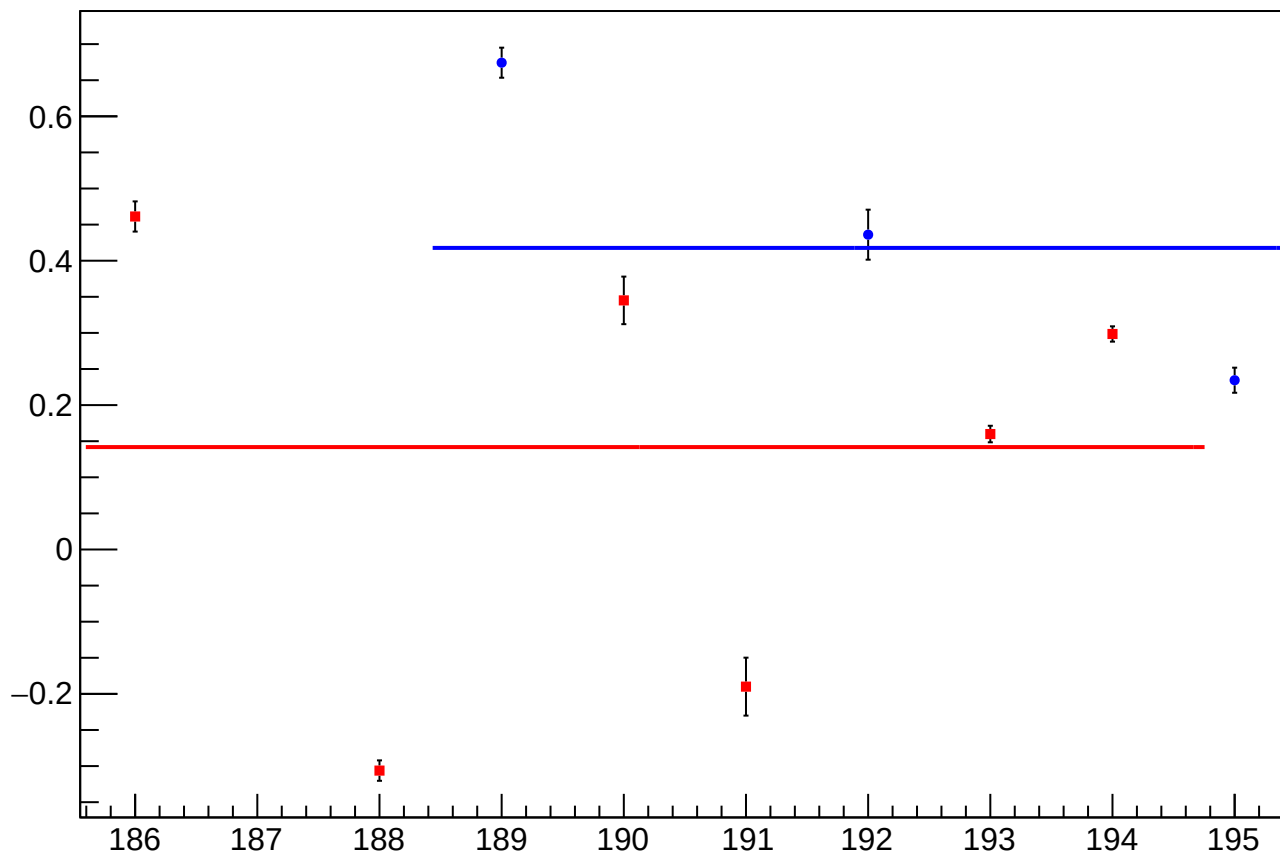
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.398 $\pm$ 0.015  $\chi^2$ /NDF: 31977.9/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_11X12X\_slope vs Slug



Right In: 0.418 $\pm$ 0.012  $\chi^2$ /NDF: 263.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.142 $\pm$ 0.006  $\chi^2$ /NDF: 1564.1/5

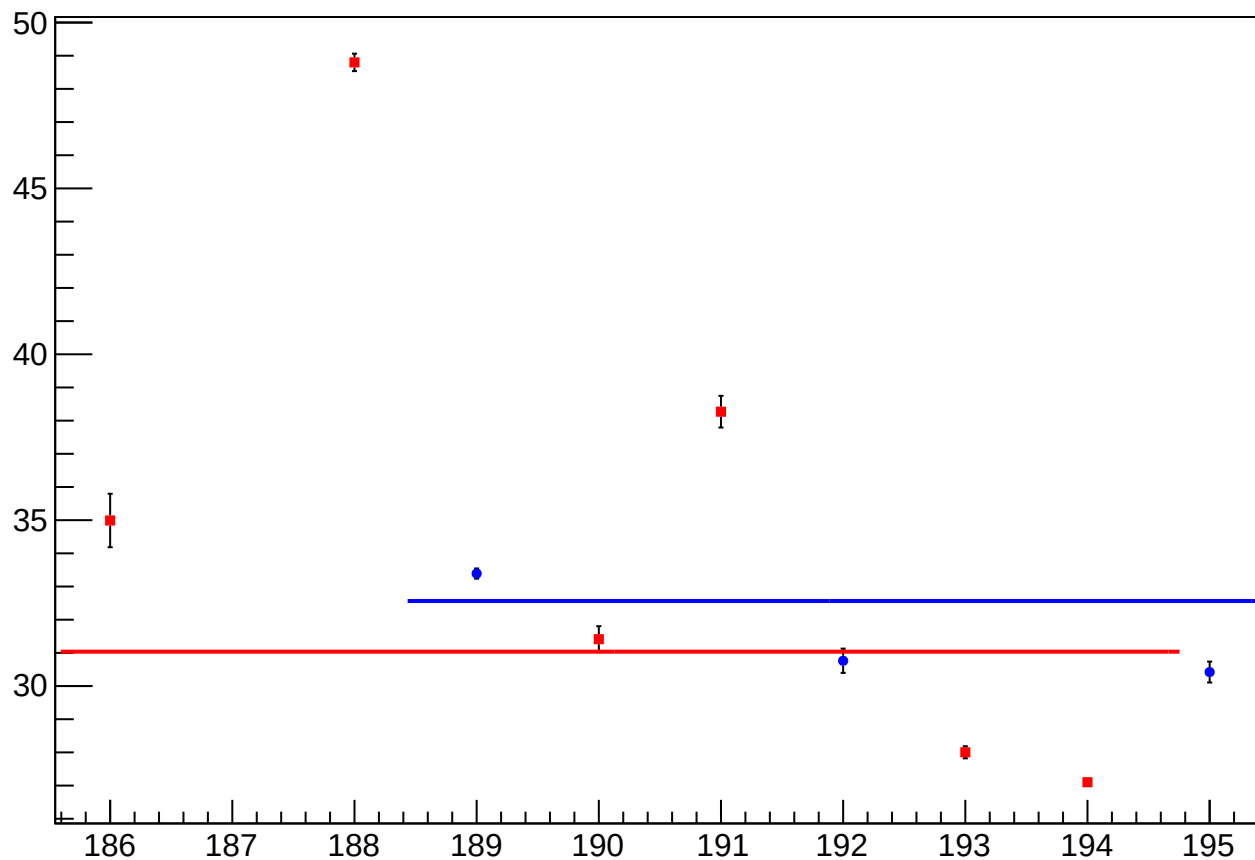
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.198 $\pm$ 0.006  $\chi^2$ /NDF: 2218.8/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4aY\_slope vs Slug



Right In: 32.563+/-0.129  $\chi^2$ /NDF: 99.6/2

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 31.036+/-0.096  $\chi^2$ /NDF: 5898.7/5

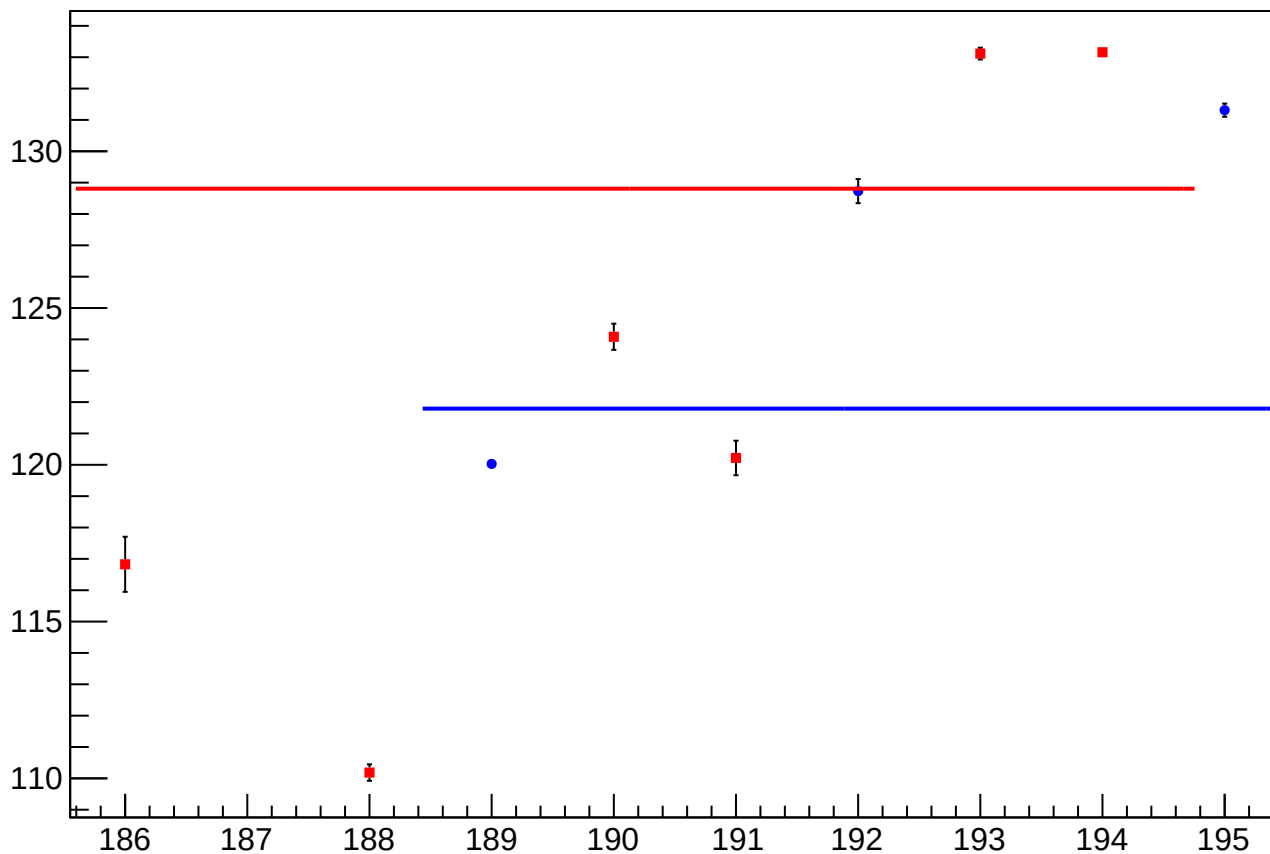
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 31.577+/-0.077  $\chi^2$ /NDF: 6088.5/8

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4eY\_slope vs Slug



Right In: 121.792 $\pm$ 0.075  $\chi^2$ /NDF: 2843.5/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 128.807 $\pm$ 0.098  $\chi^2$ /NDF: 7082.1/5

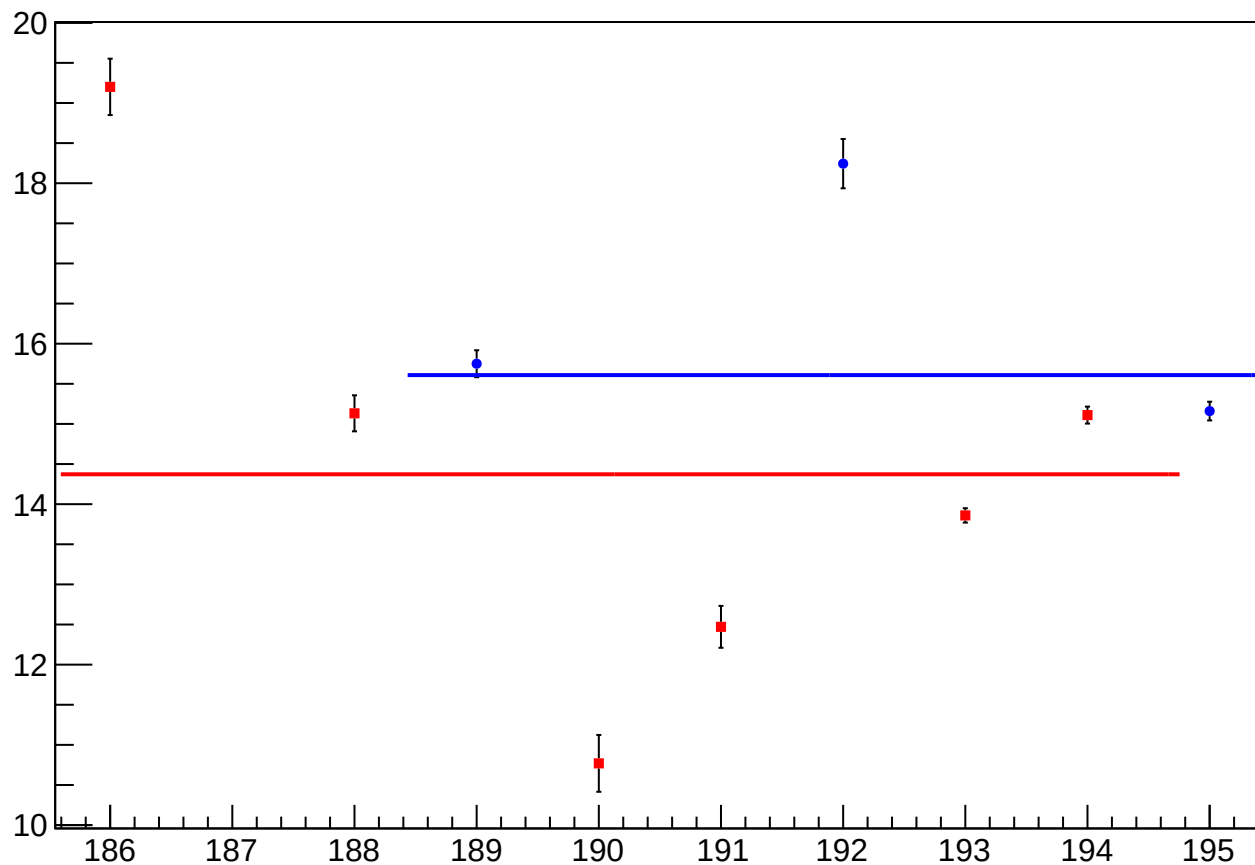
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 124.369 $\pm$ 0.060  $\chi^2$ /NDF: 13153.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4aX\_slope vs Slug



Right In: 15.609 $\pm$ 0.091  $\chi^2$ /NDF: 89.1/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 14.372 $\pm$ 0.061  $\chi^2$ /NDF: 438.2/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

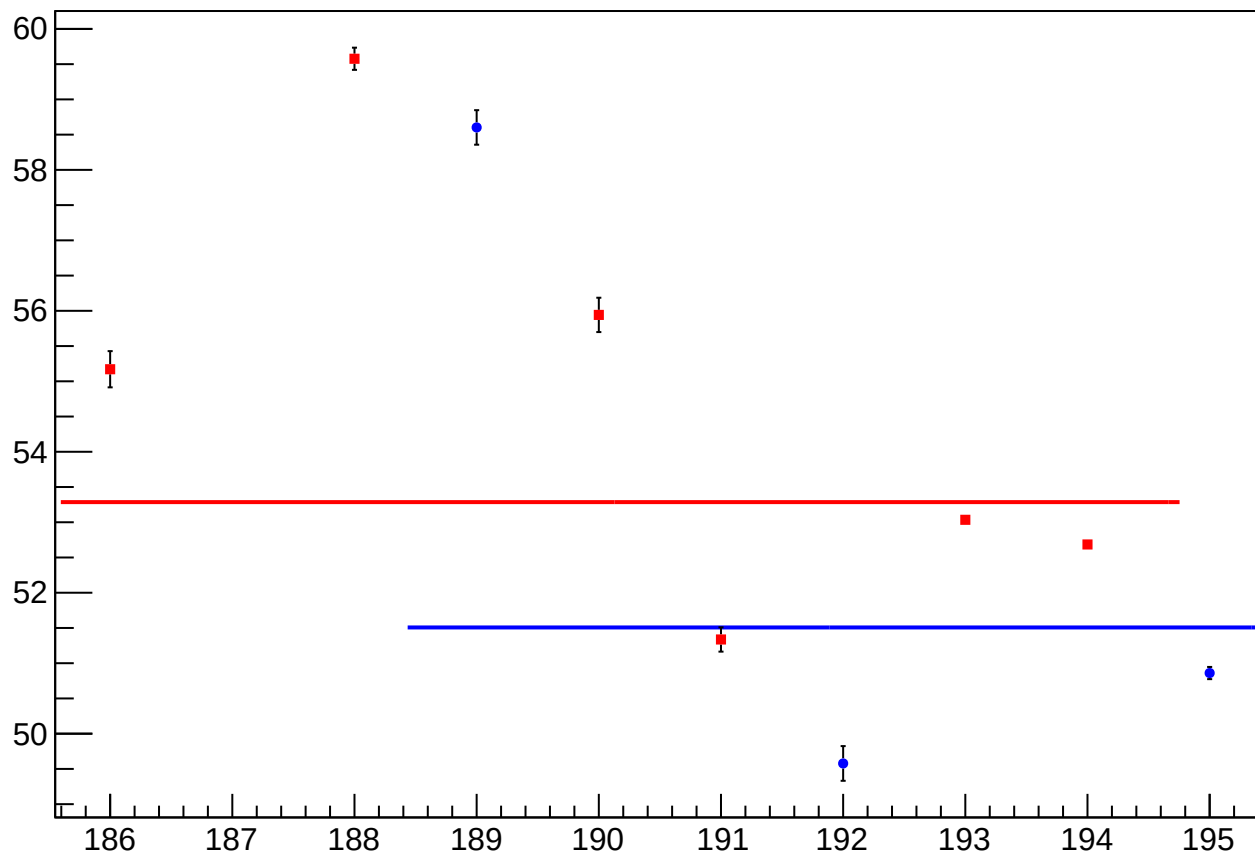
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 14.757 $\pm$ 0.051  $\chi^2$ /NDF: 653.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_4eX\_slope vs Slug



Right In: 51.507 $\pm$ 0.077  $\chi^2$ /NDF: 955.9/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 53.286 $\pm$ 0.034  $\chi^2$ /NDF: 2008.5/5

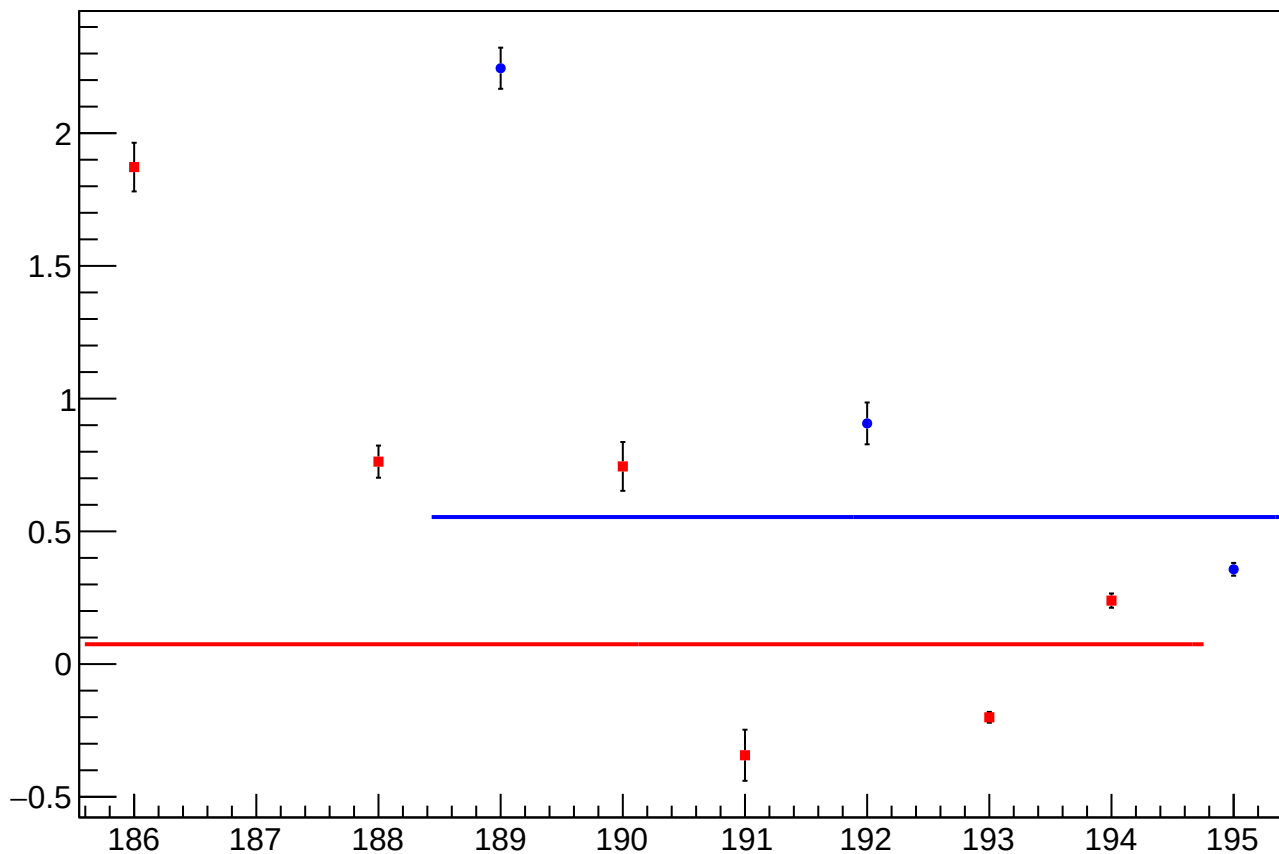
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 52.993 $\pm$ 0.031  $\chi^2$ /NDF: 3404.9/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_11X12X\_slope vs Slug



Right In: 0.554 $\pm$ 0.022  $\chi^2$ /NDF: 562.8/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.075 $\pm$ 0.015  $\chi^2$ /NDF: 805.7/5

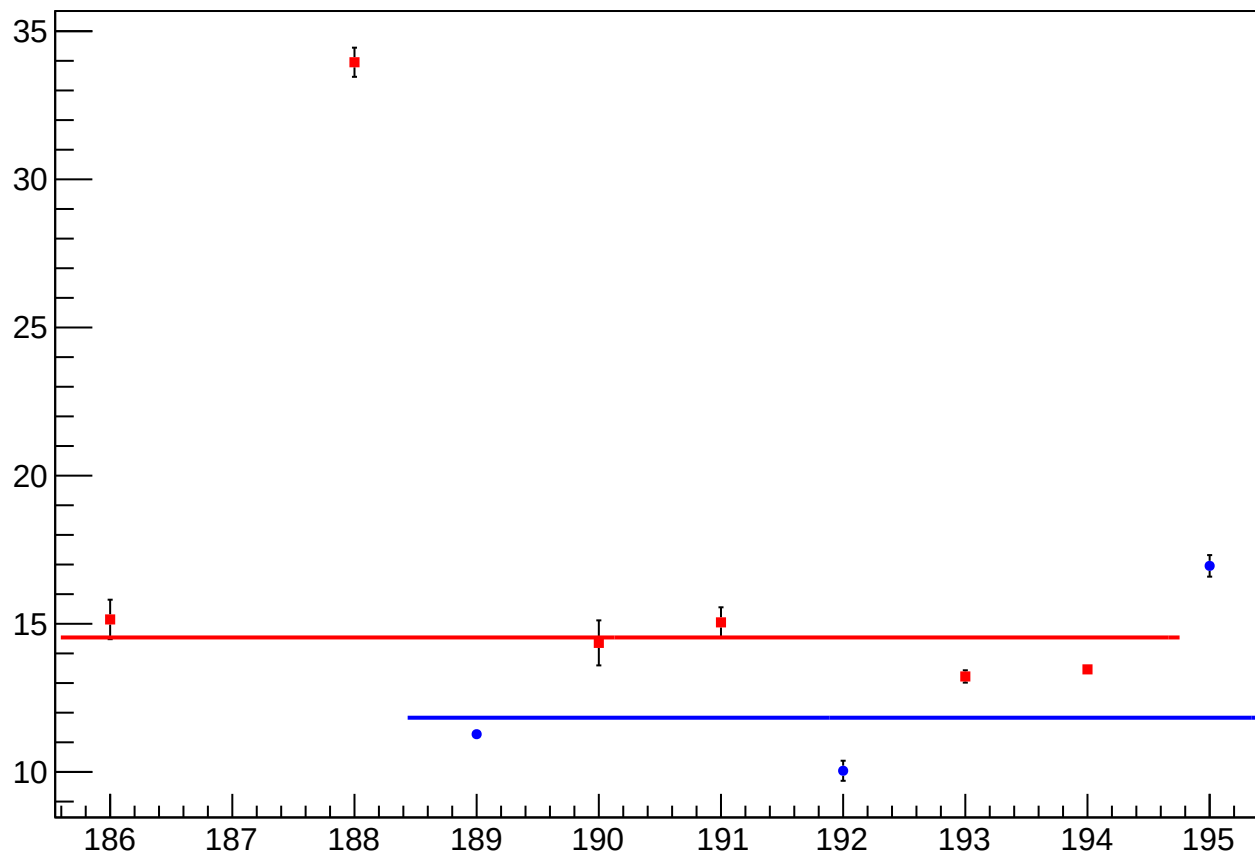
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.227 $\pm$ 0.012  $\chi^2$ /NDF: 1689.5/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4aY\_slope vs Slug



Right In: 11.830 $\pm$ 0.132  $\chi^2$ /NDF: 238.9/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 14.539 $\pm$ 0.109  $\chi^2$ /NDF: 1655.9/5

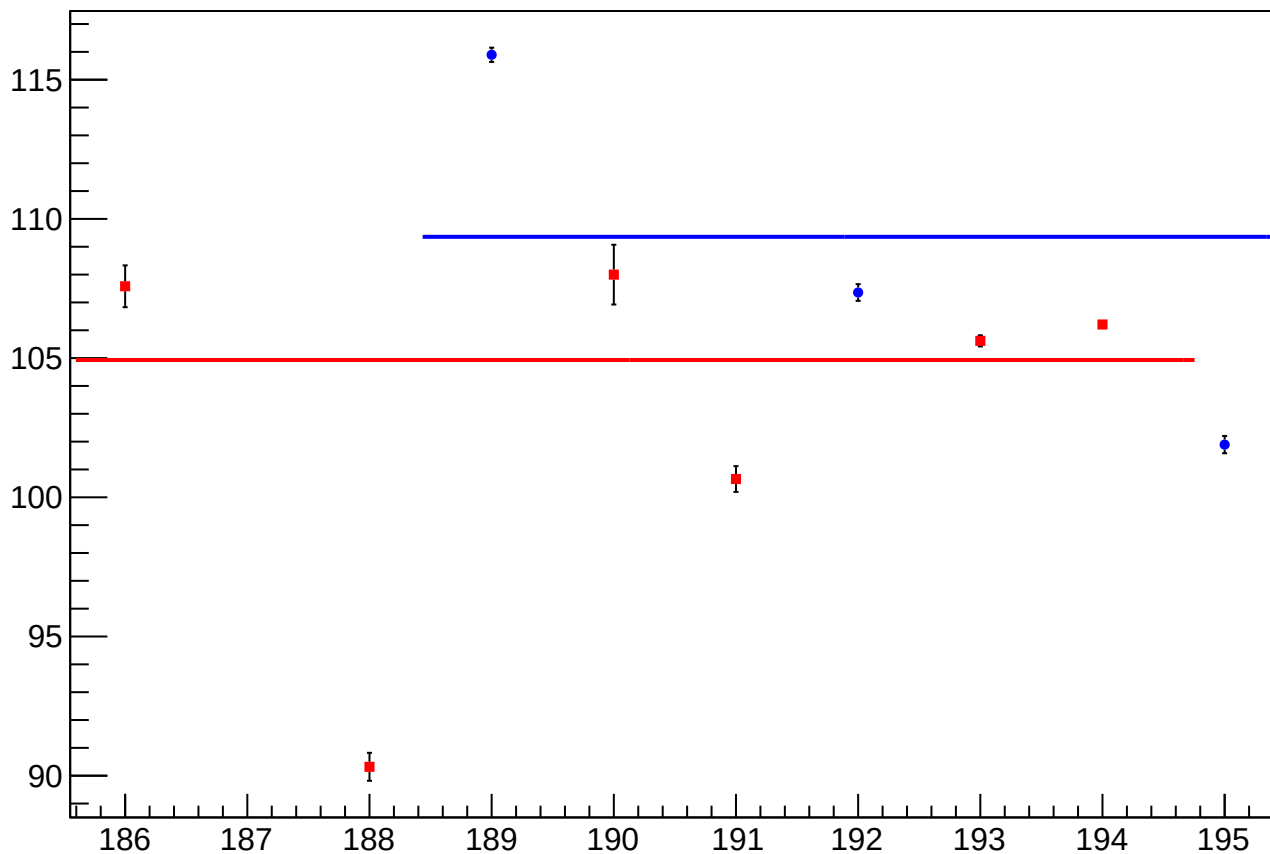
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 13.436 $\pm$ 0.084  $\chi^2$ /NDF: 2146.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4eY\_slope vs Slug



Right In: 109.356 $\pm$ 0.165  $\chi^2$ /NDF: 1274.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 104.932 $\pm$ 0.113  $\chi^2$ /NDF: 1031.3/5

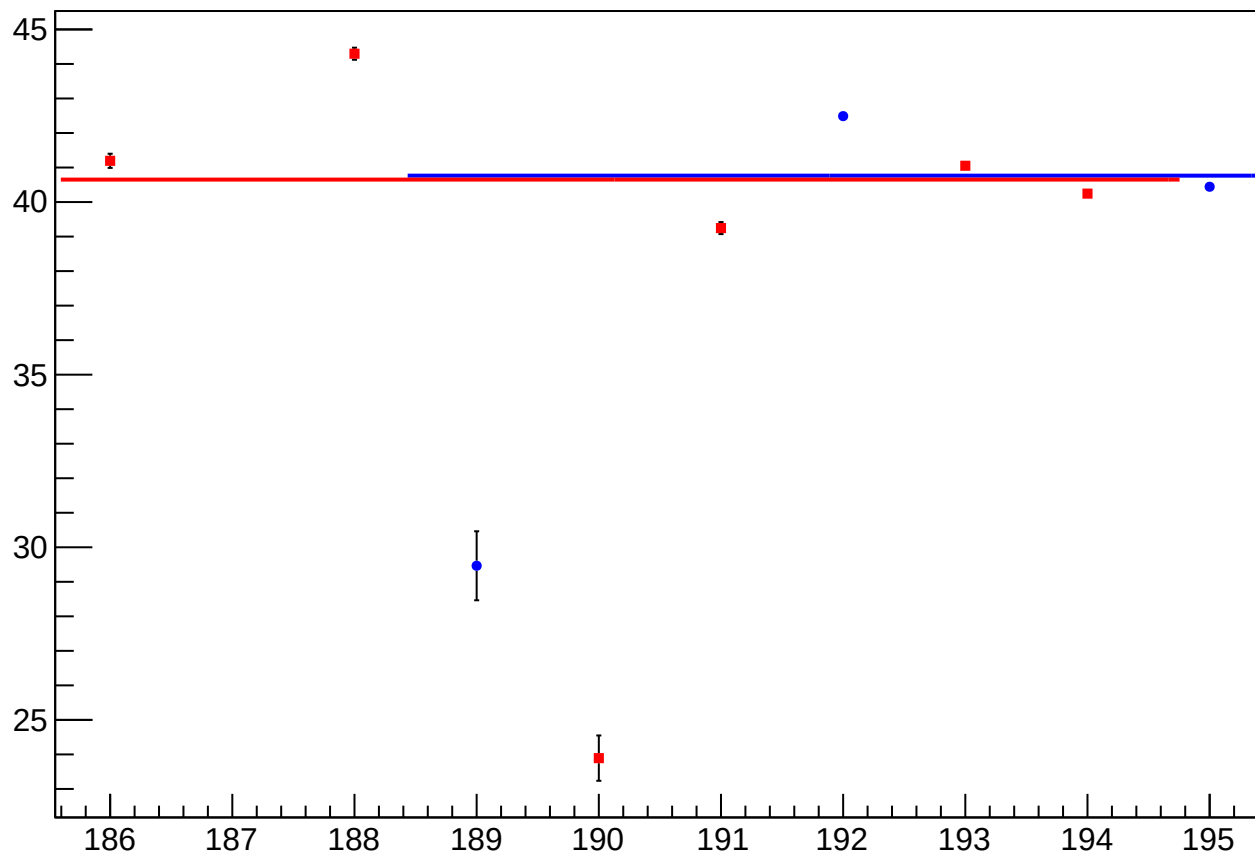
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 106.347 $\pm$ 0.093  $\chi^2$ /NDF: 2794.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4aX\_slope vs Slug



Right In: 40.764 $\pm$ 0.047  $\chi^2$ /NDF: 395.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 40.651 $\pm$ 0.028  $\chi^2$ /NDF: 1344.3/5

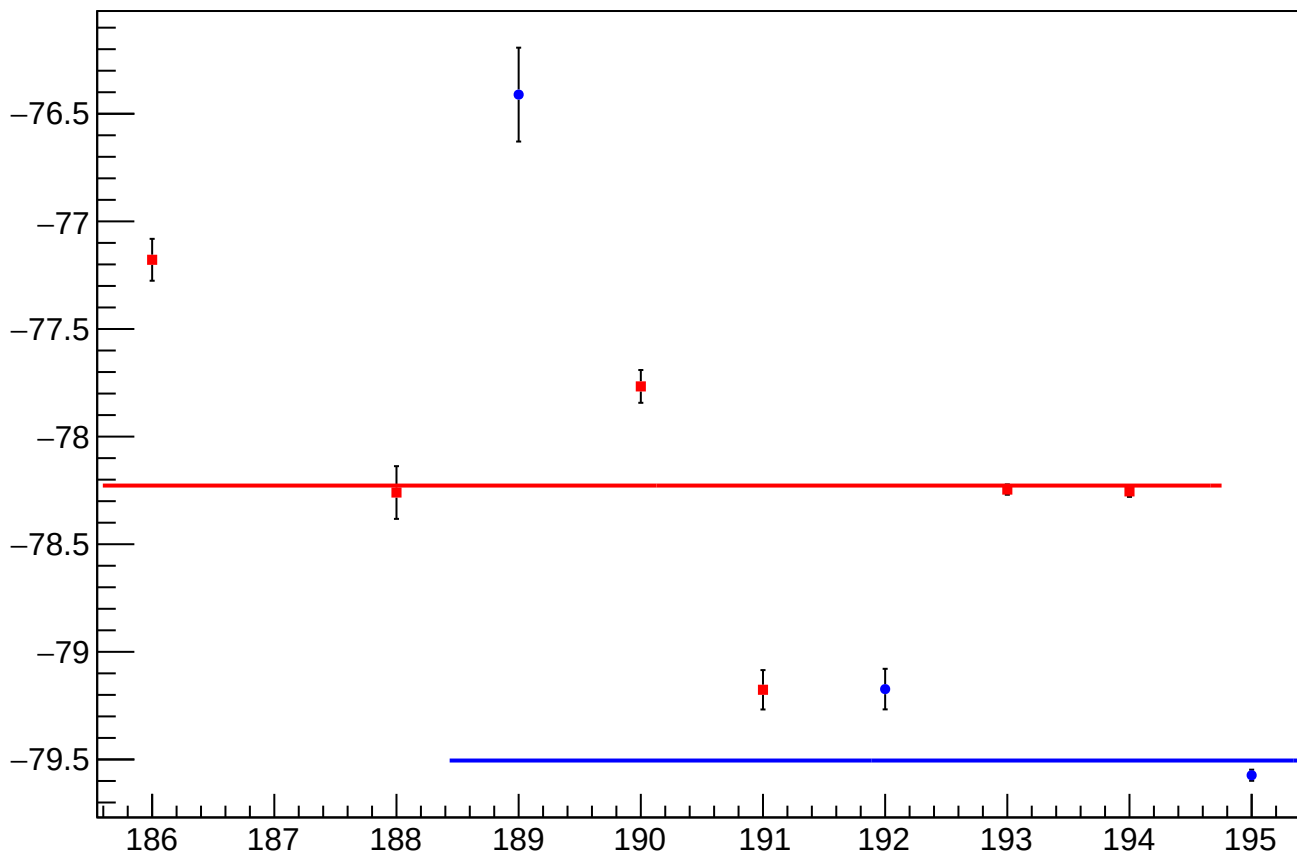
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 40.681 $\pm$ 0.024  $\chi^2$ /NDF: 1744.3/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4eX\_slope vs Slug



Right In:  $-79.505 \pm 0.025$   $\chi^2/\text{NDF}$ : 220.7/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-78.227 \pm 0.016$   $\chi^2/\text{NDF}$ : 262.2/5

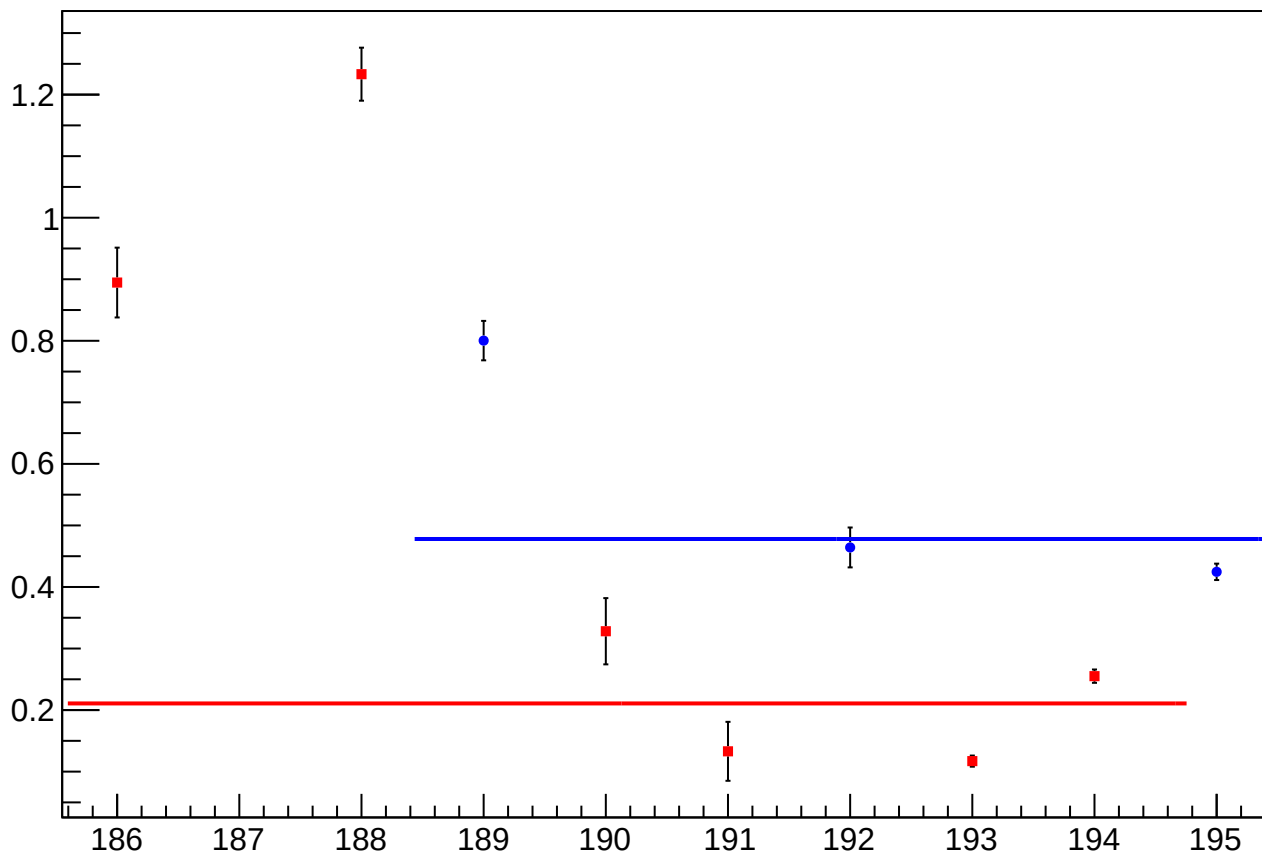
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-78.614 \pm 0.014$   $\chi^2/\text{NDF}$ : 2339.7/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_11X12X\_slope vs Slug



Right In: 0.478 $\pm$ 0.011  $\chi^2$ /NDF: 117.5/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.211 $\pm$ 0.007  $\chi^2$ /NDF: 840.4/5

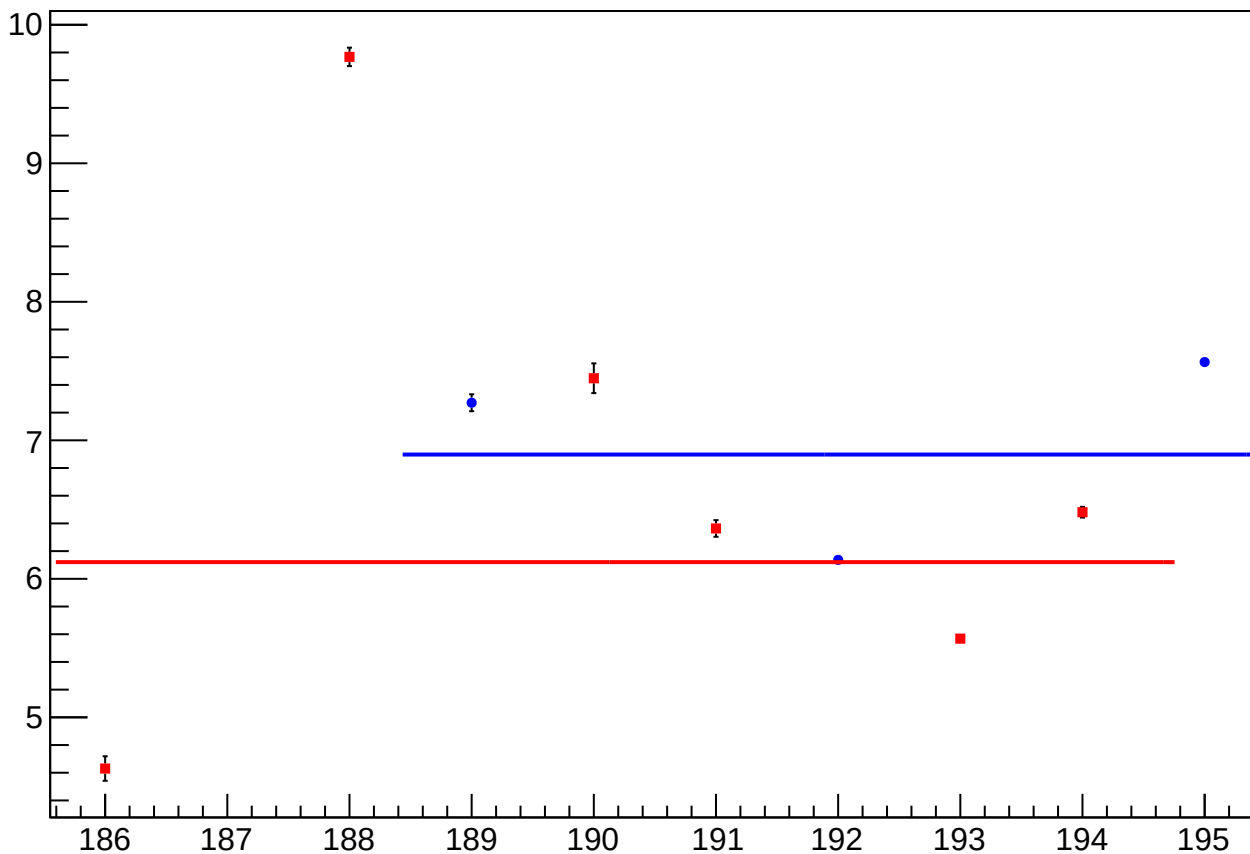
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.278 $\pm$ 0.006  $\chi^2$ /NDF: 1361.9/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4aY\_slope vs Slug



Right In: 6.897 $\pm$ 0.017  $\chi^2$ /NDF: 1725.2/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.121 $\pm$ 0.017  $\chi^2$ /NDF: 4136.6/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

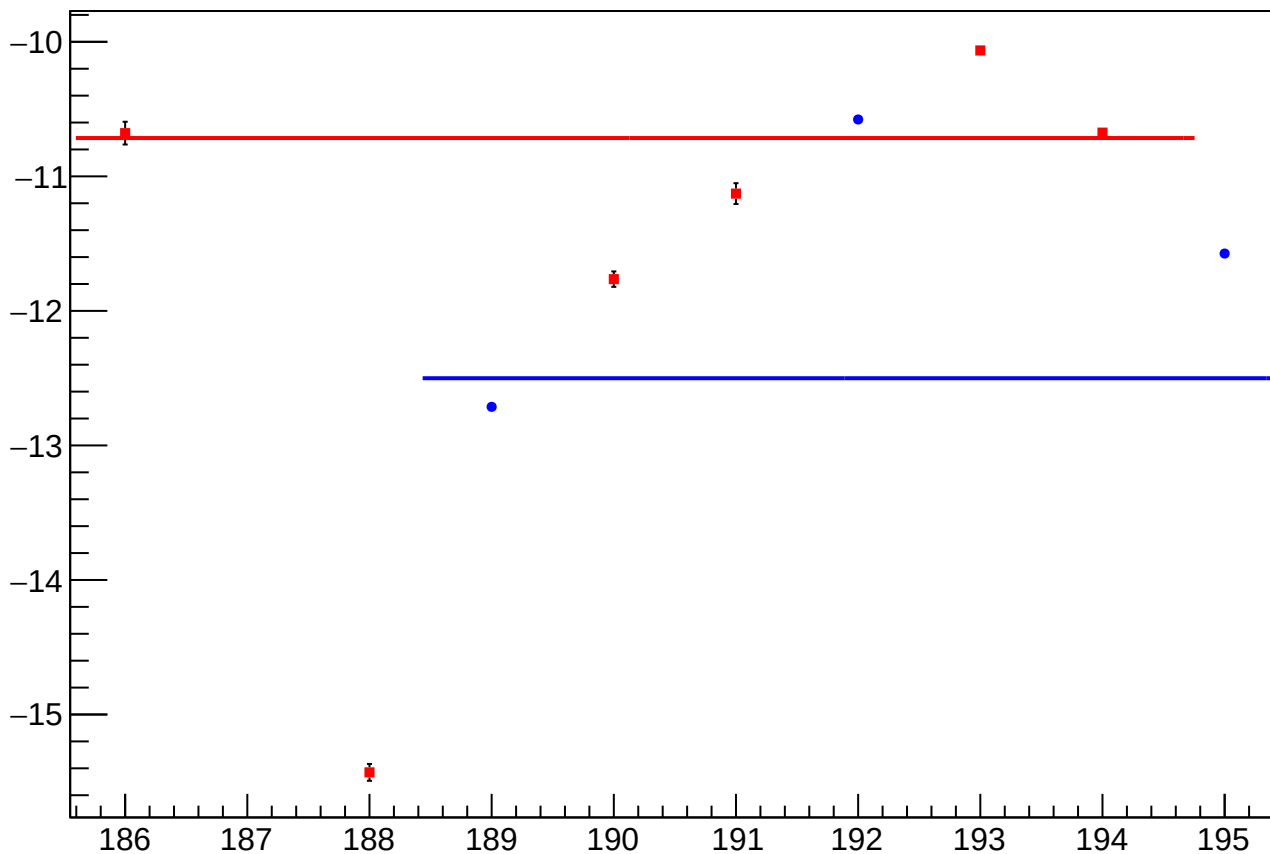
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.524 $\pm$ 0.012  $\chi^2$ /NDF: 6898.9/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam7\_4eY\_slope vs Slug



Right In:  $-12.501 \pm 0.005$   $\chi^2/\text{NDF}: 10655.3/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-10.715 \pm 0.015$   $\chi^2/\text{NDF}: 7030.4/5$

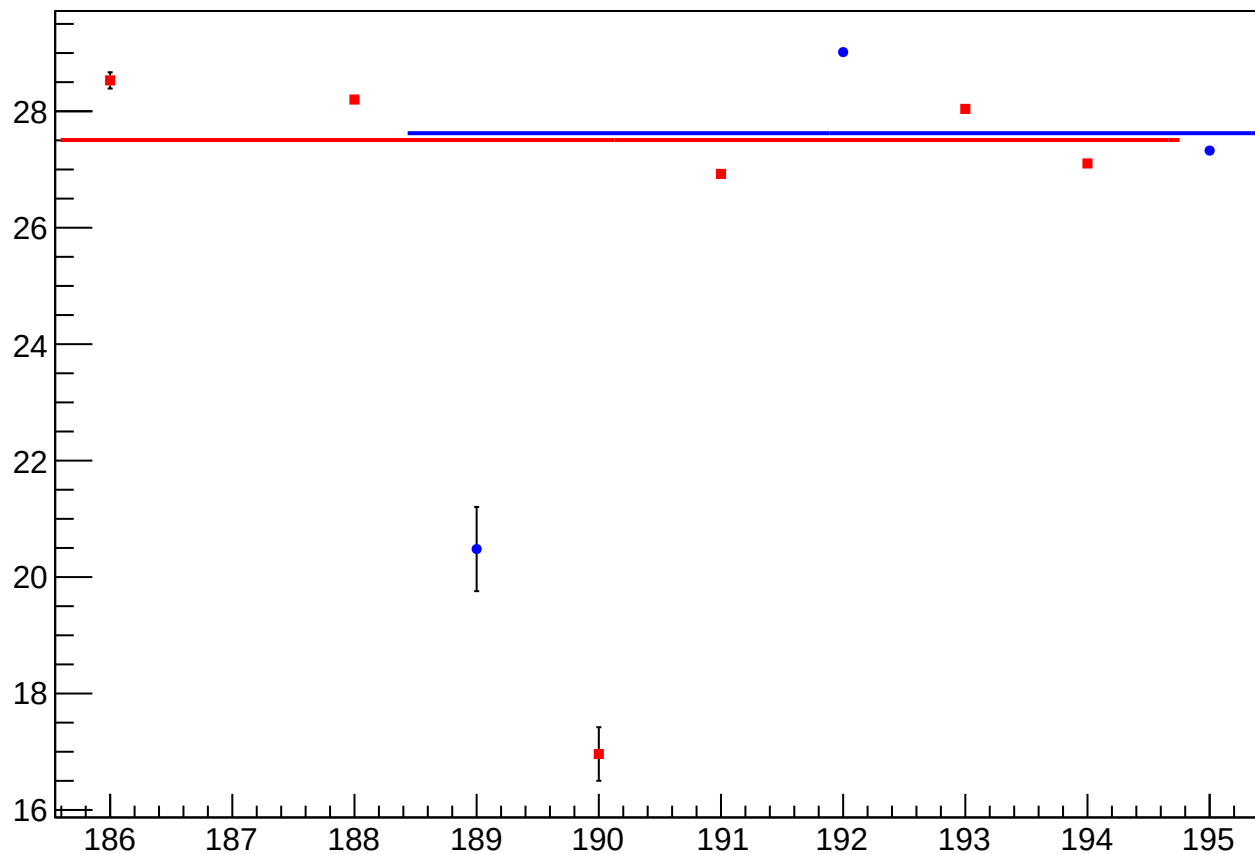
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-12.304 \pm 0.005$   $\chi^2/\text{NDF}: 29749.6/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam8\_4aX\_slope vs Slug



Right In: 27.623 $\pm$ 0.033  $\chi^2$ /NDF: 497.4/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 27.506 $\pm$ 0.019  $\chi^2$ /NDF: 1192.7/5

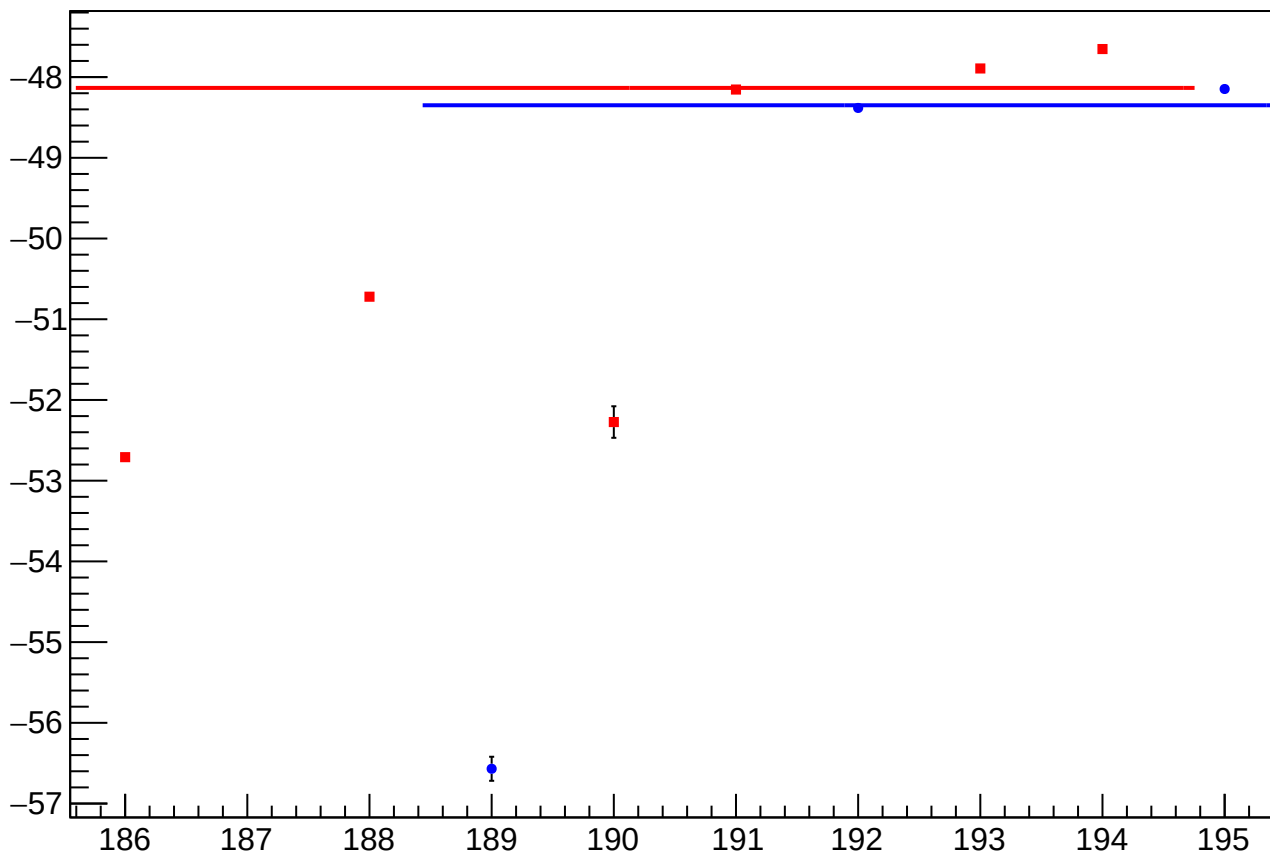
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 27.536 $\pm$ 0.017  $\chi^2$ /NDF: 1699.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_4eX\_slope vs Slug



Right In:  $-48.349 \pm 0.021$   $\chi^2/\text{NDF}$ : 3122.4/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-48.134 \pm 0.012$   $\chi^2/\text{NDF}$ : 9796.9/5

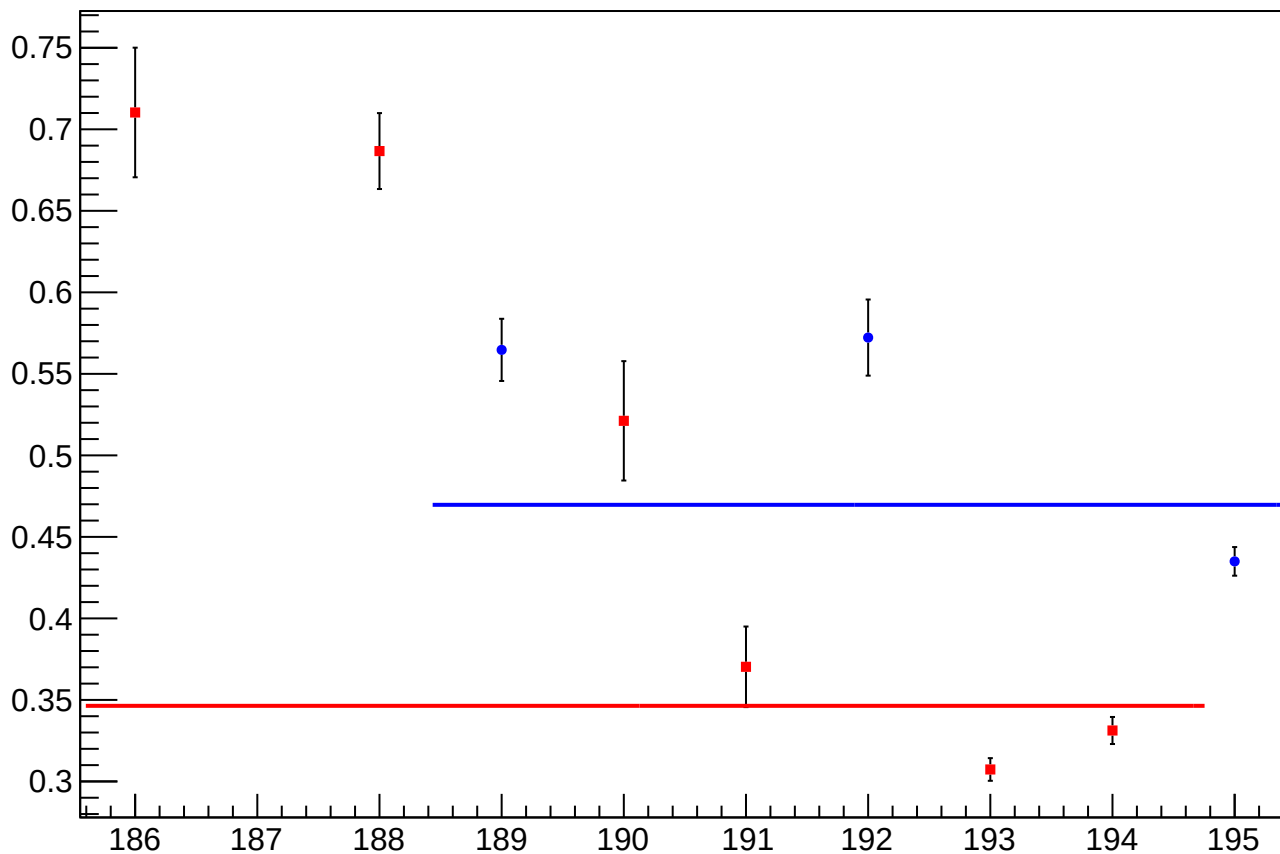
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-48.184 \pm 0.010$   $\chi^2/\text{NDF}$ : 12997.8/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_11X12X\_slope vs Slug



Right In: 0.470 $\pm$ 0.008  $\chi^2$ /NDF: 59.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.346 $\pm$ 0.005  $\chi^2$ /NDF: 355.9/5

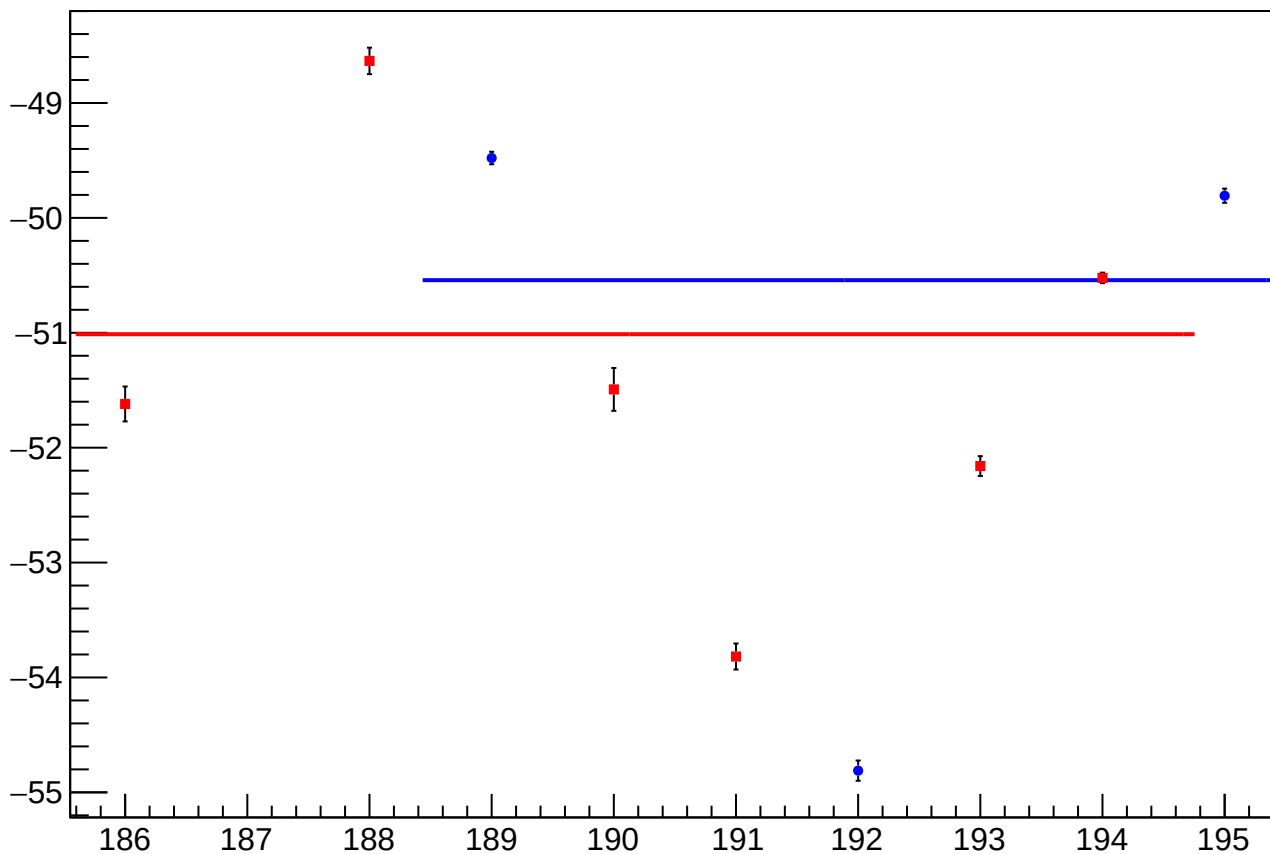
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.384 $\pm$ 0.004  $\chi^2$ /NDF: 601.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_4aY\_slope vs Slug



Right In:  $-50.542 \pm 0.037$   $\chi^2/\text{NDF}$ : 2867.1/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-51.012 \pm 0.035$   $\chi^2/\text{NDF}$ : 1356.9/5

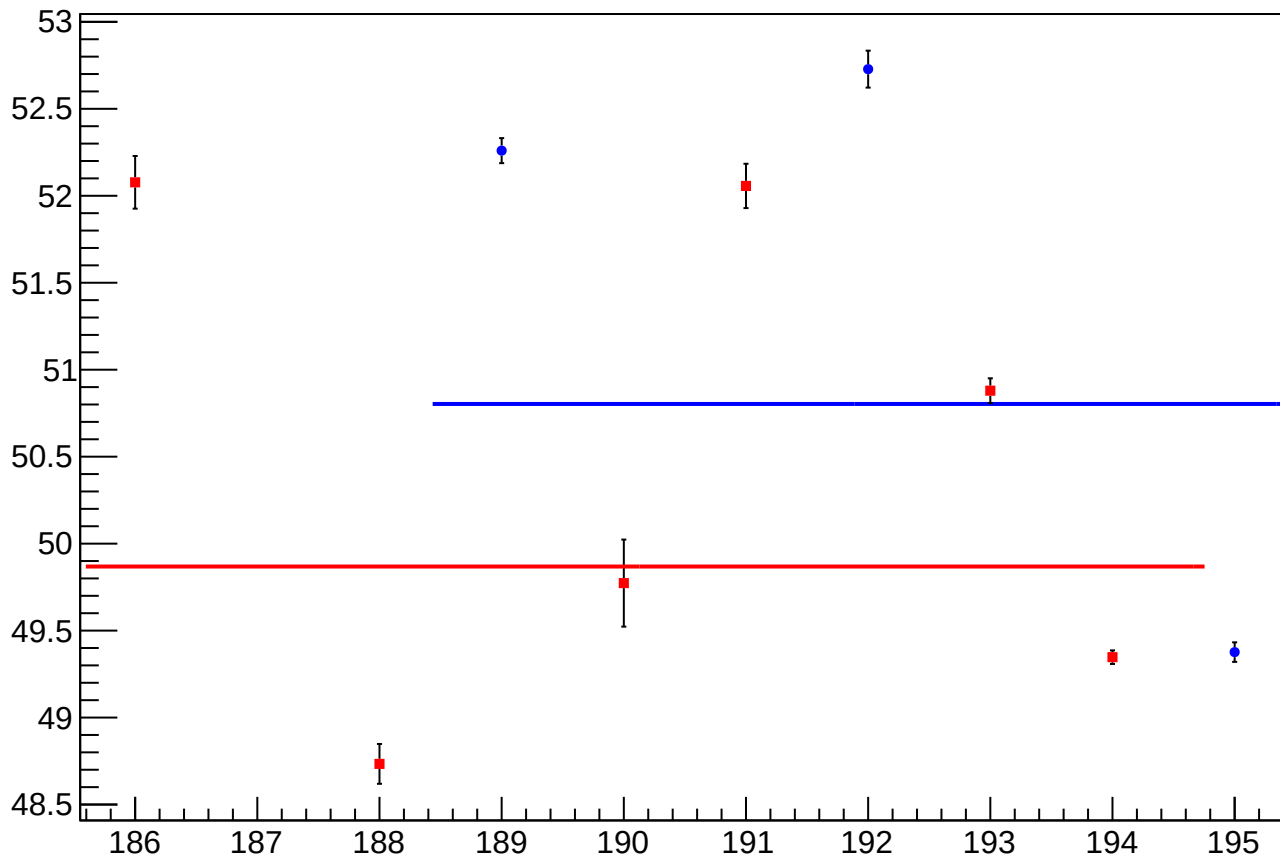
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-50.794 \pm 0.025$   $\chi^2/\text{NDF}$ : 4310.1/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_4eY\_slope vs Slug



Right In: 50.803 $\pm$ 0.041  $\chi^2$ /NDF: 1383.0/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 49.868 $\pm$ 0.031  $\chi^2$ /NDF: 986.8/5

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: 50.207 $\pm$ 0.025  $\chi^2$ /NDF: 2703.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_4aX\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

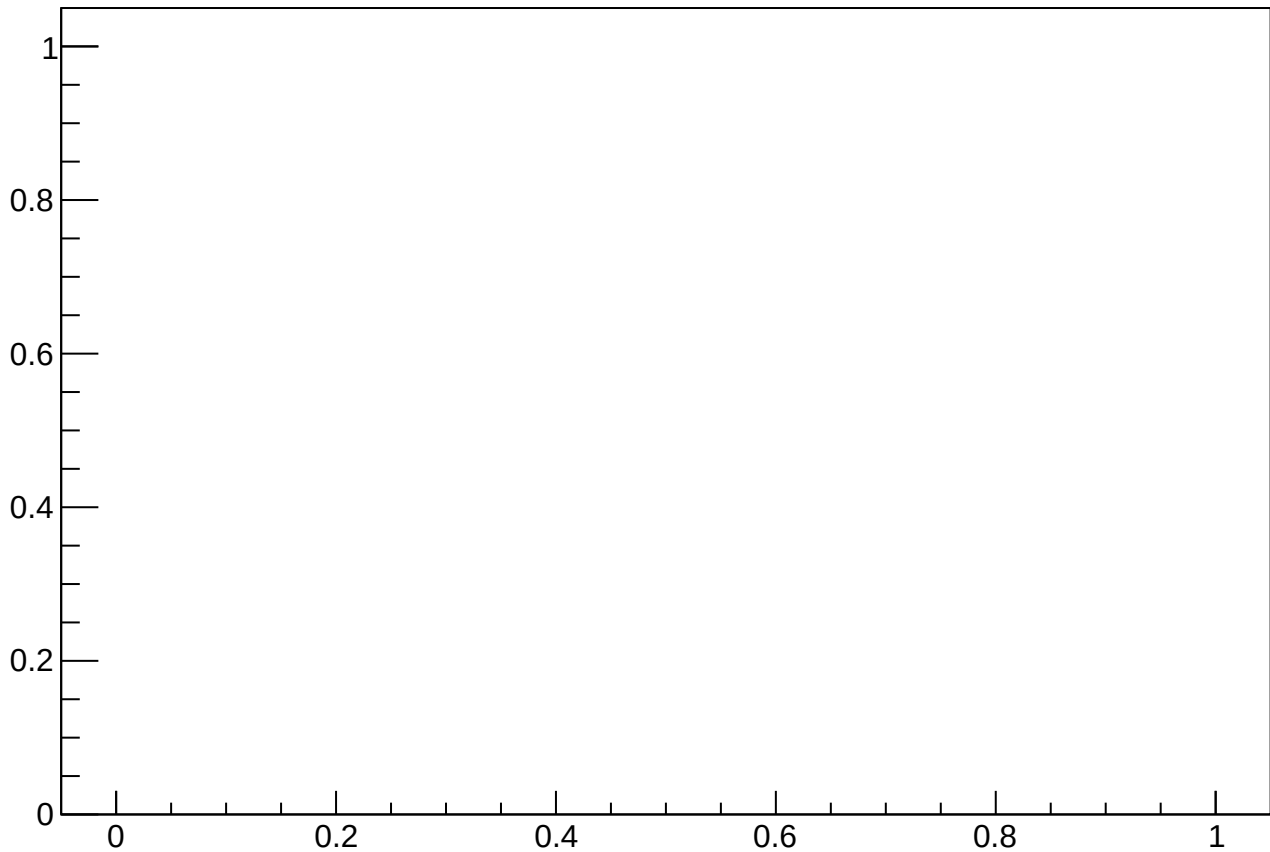
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_4aY\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

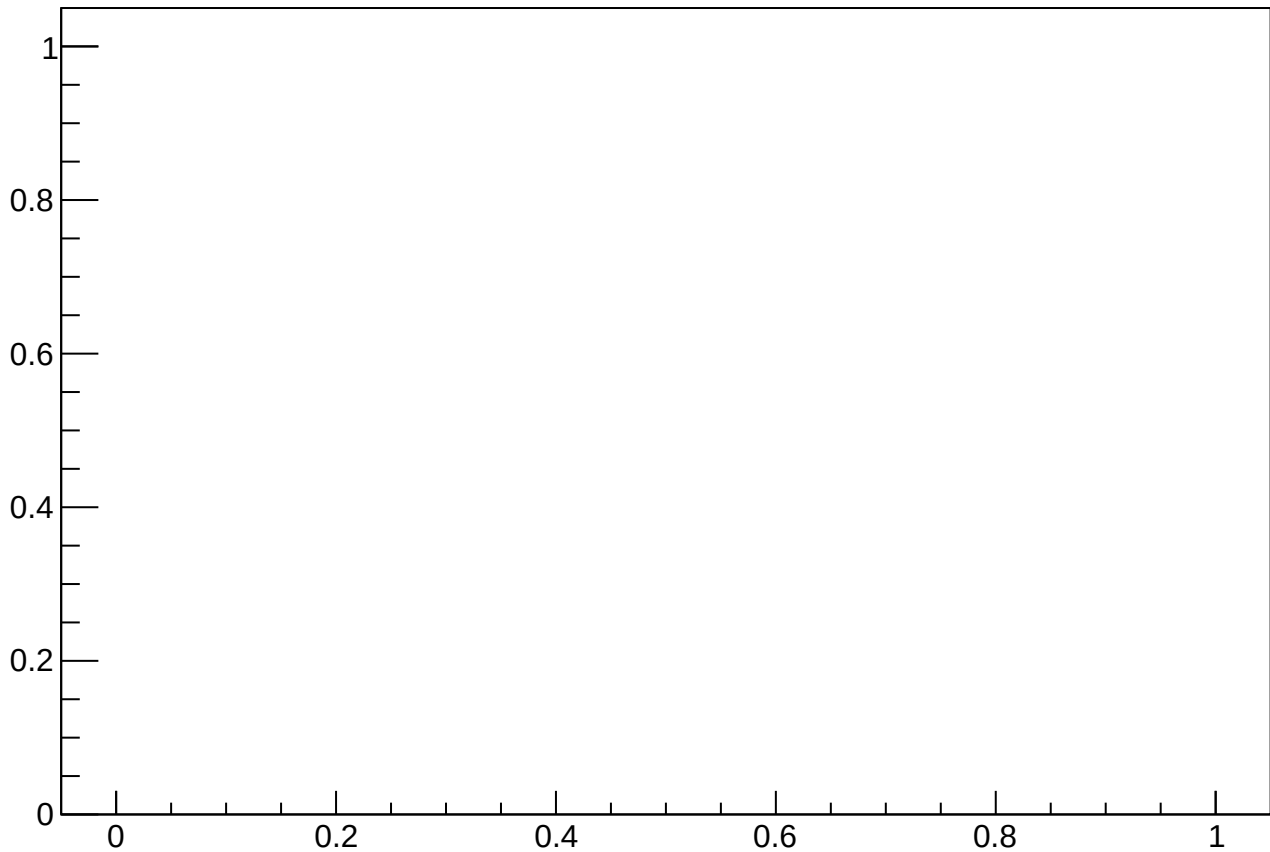
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_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\_usl\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usr\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

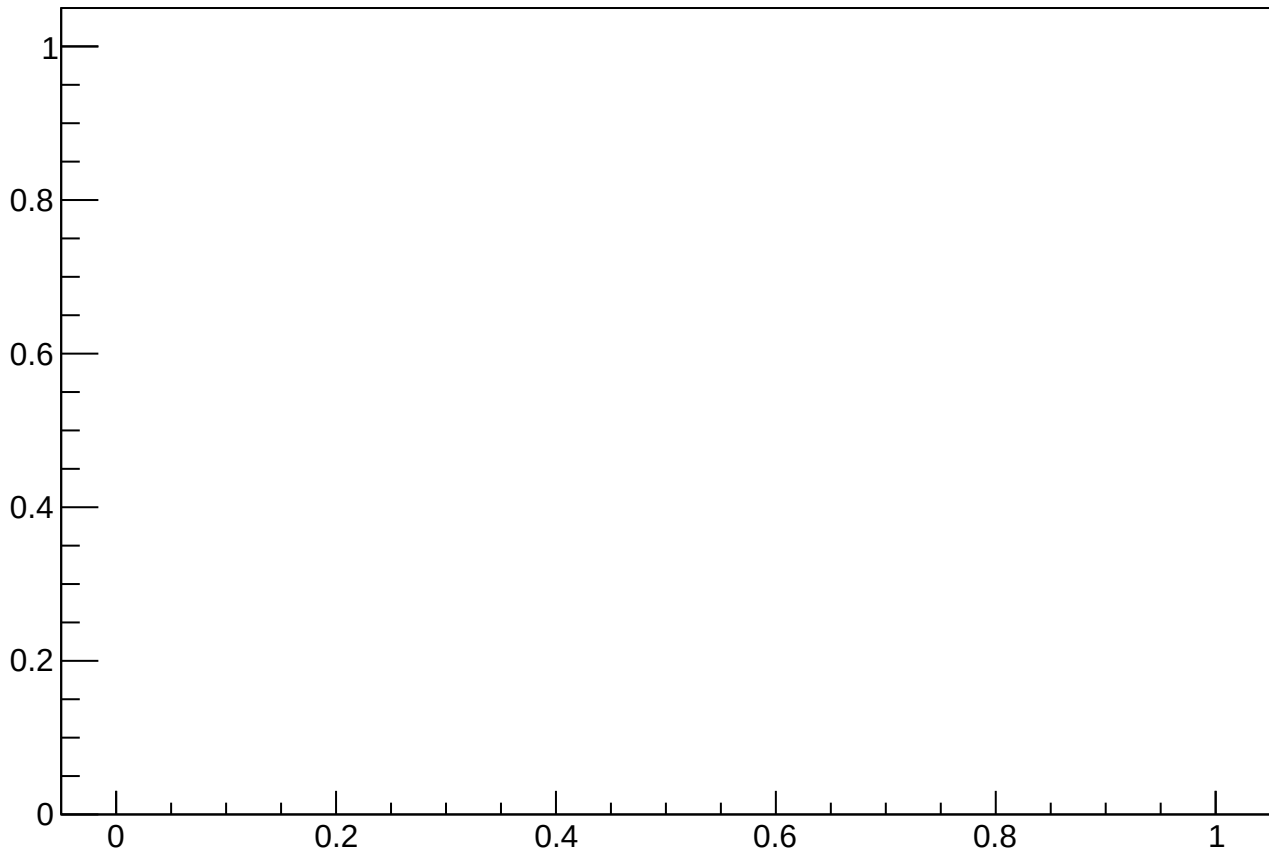
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

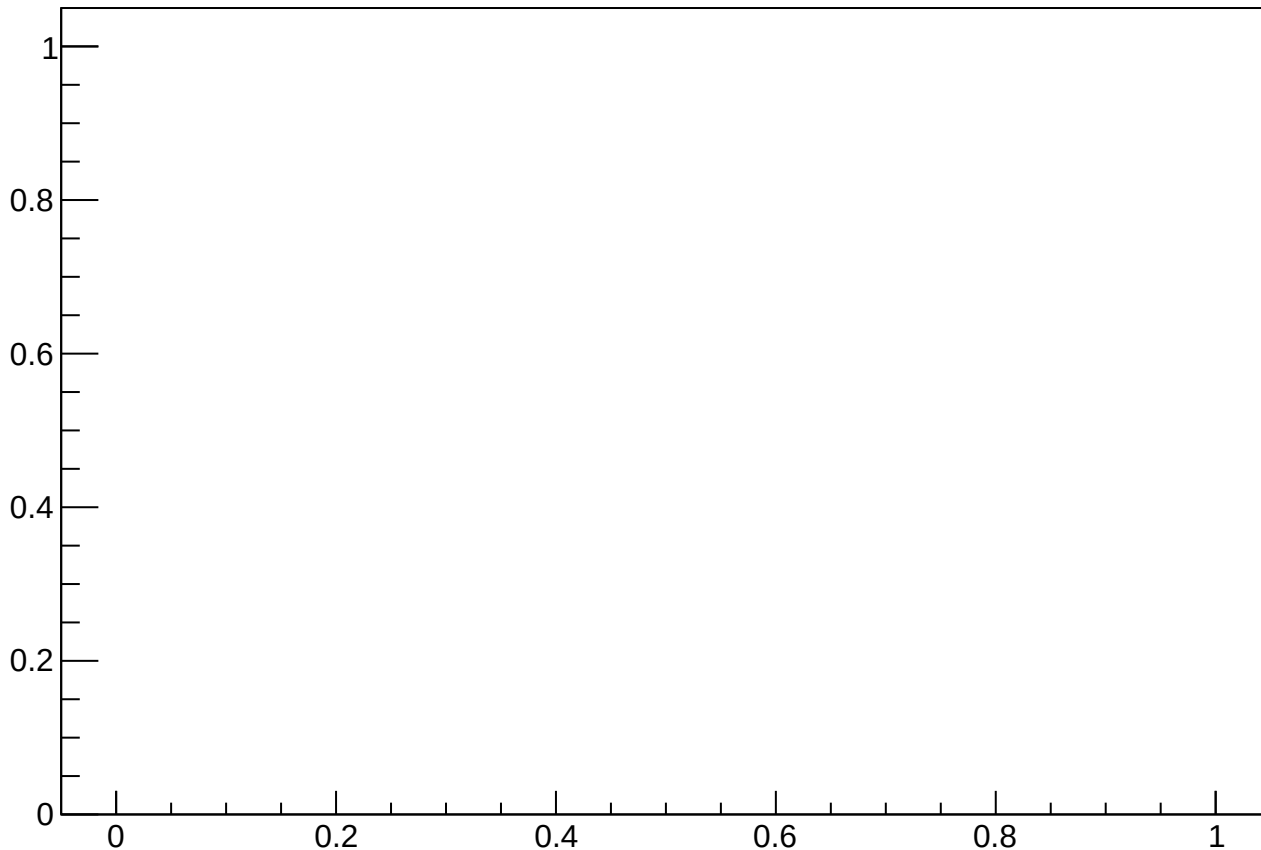
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

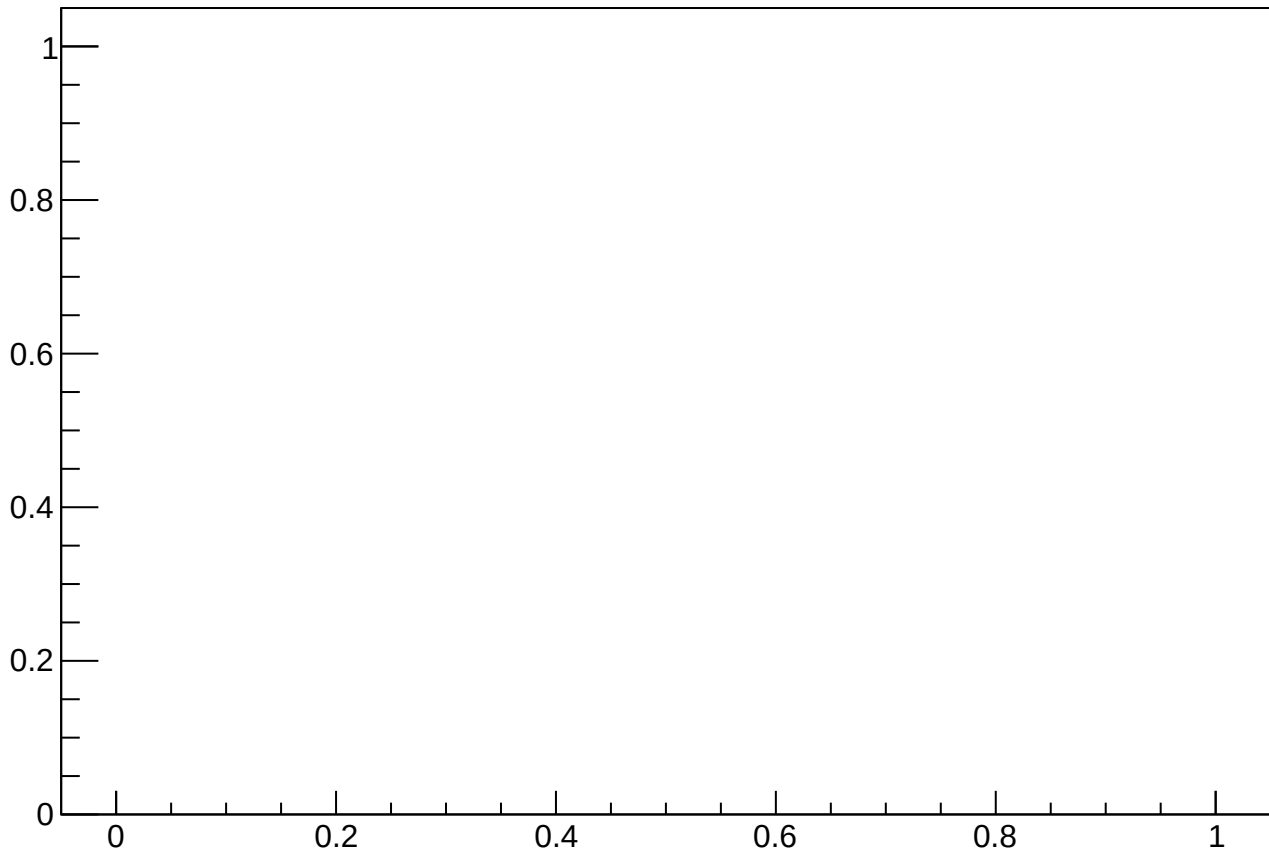
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

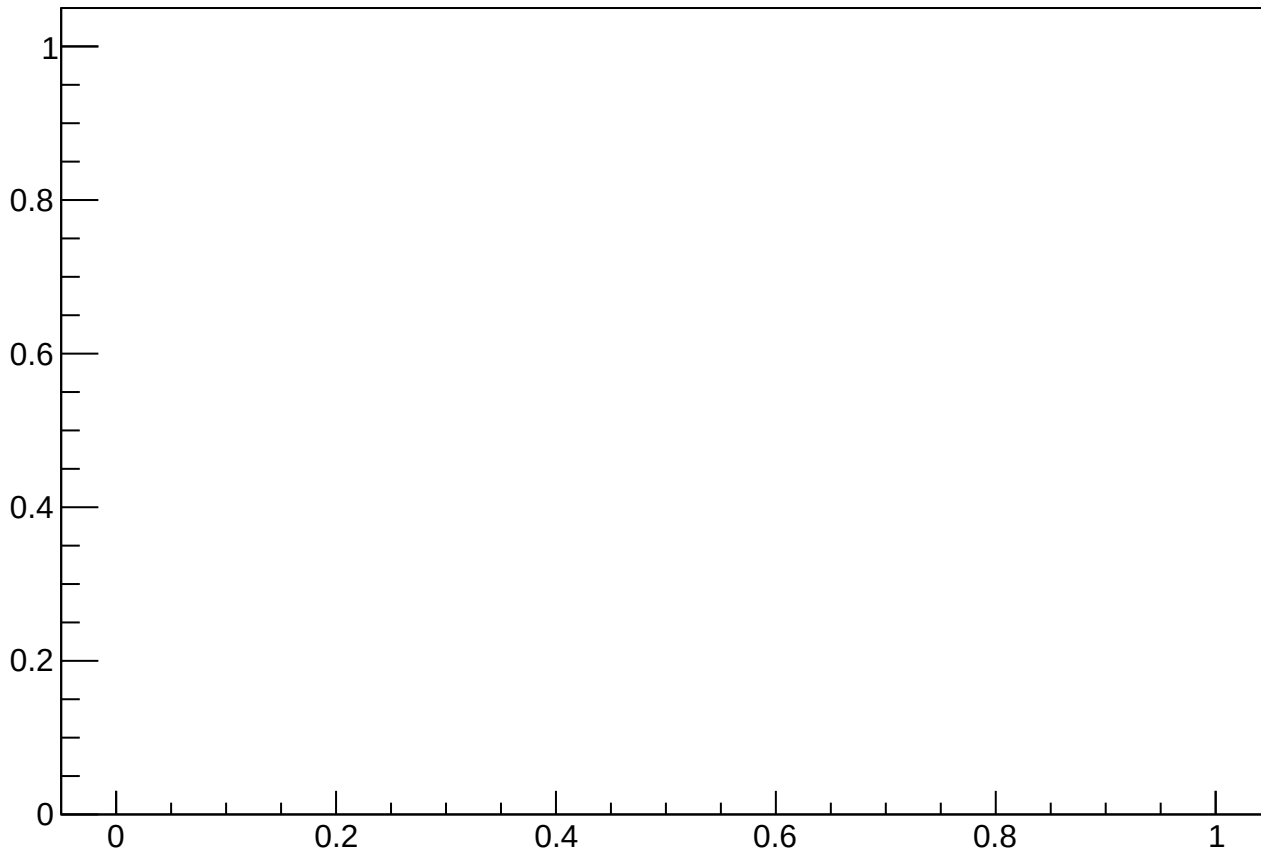
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl2\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

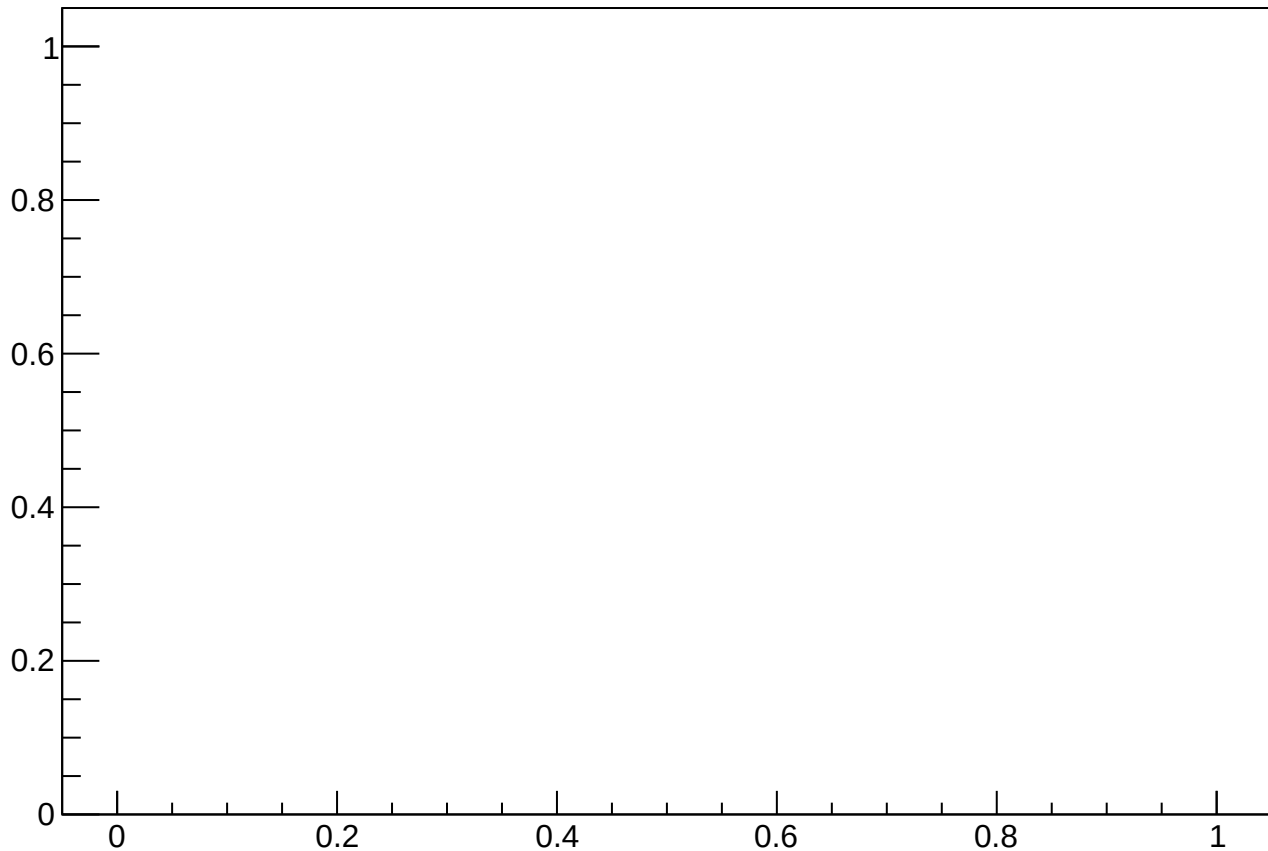
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

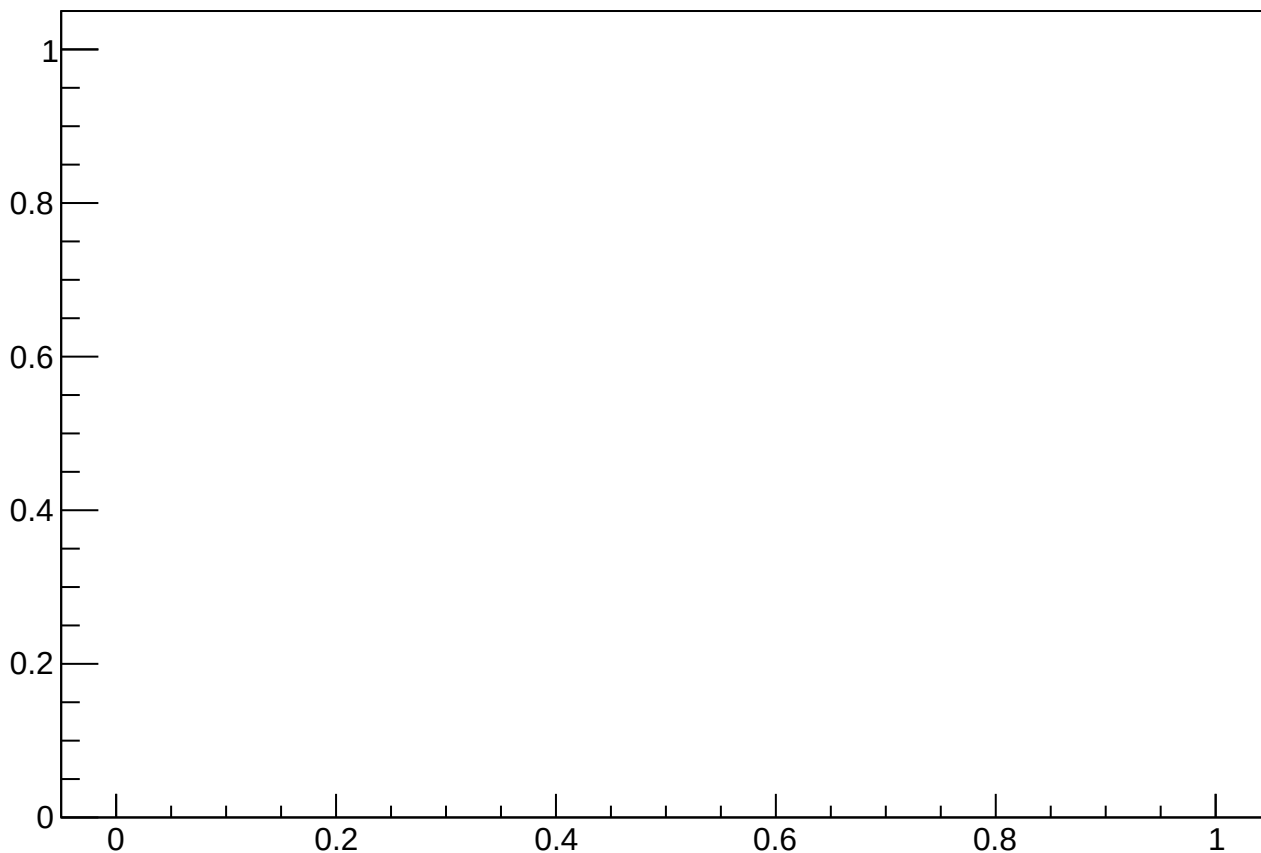
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_sam1\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_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\_sam2\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_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\_sam3\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam4\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam5\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil1\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam6\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil1\_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\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil1\_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\_coil1\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil1\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_4aX\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

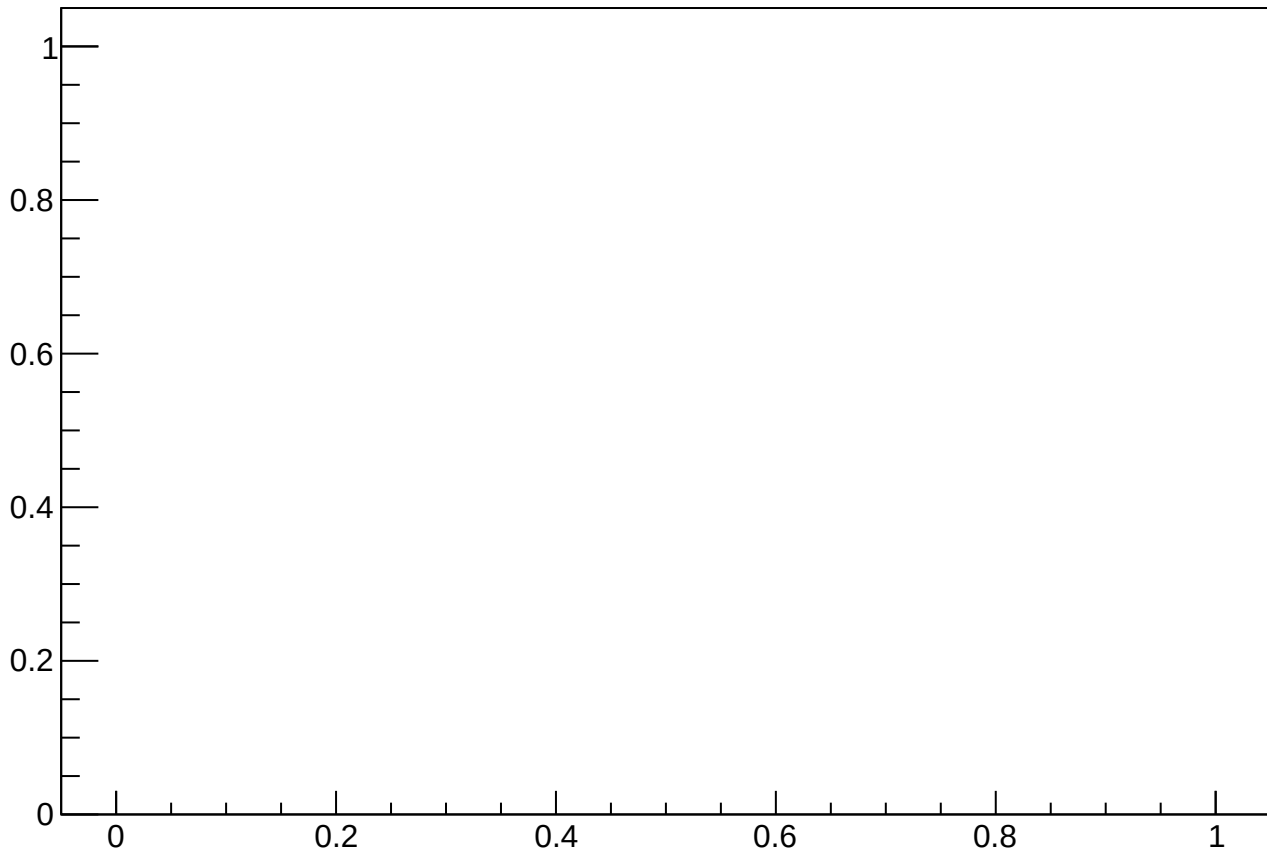
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

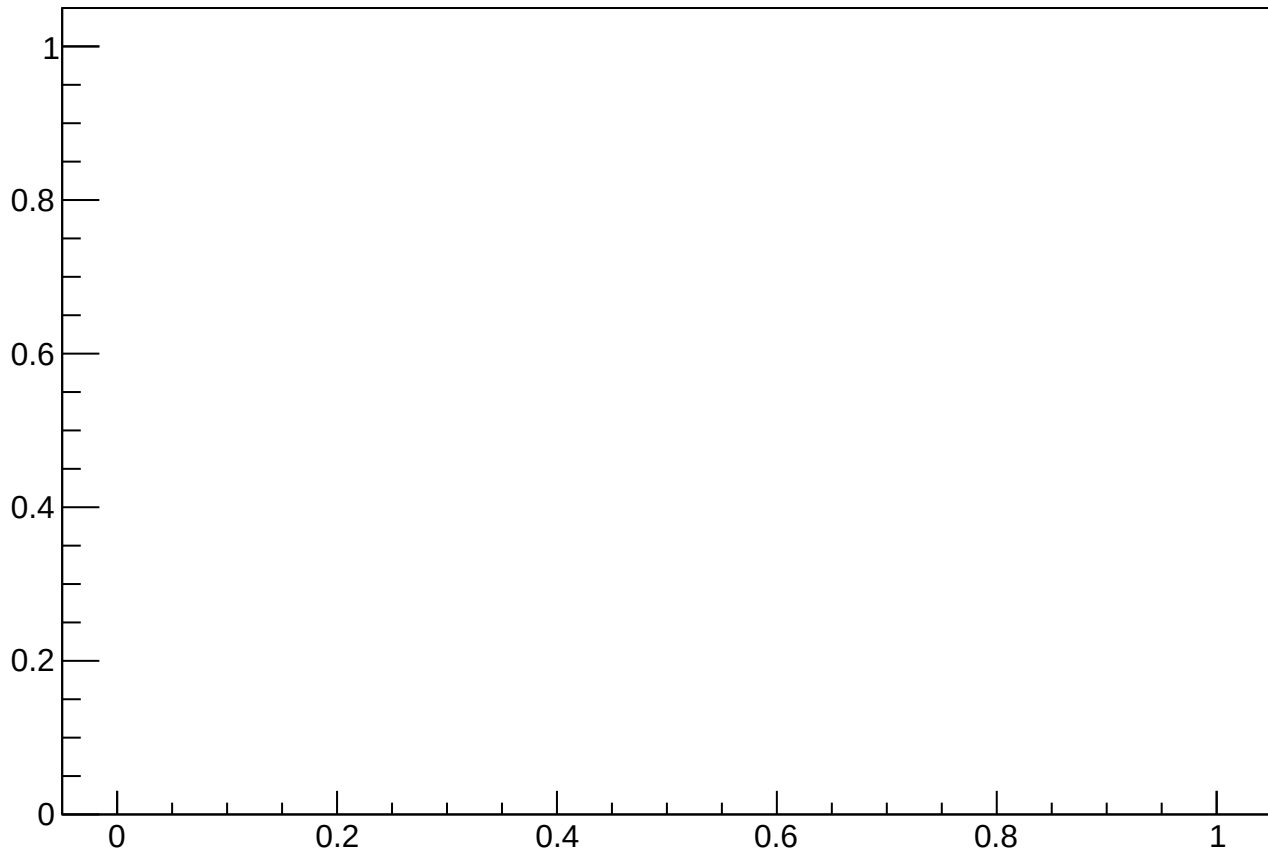
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aY\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

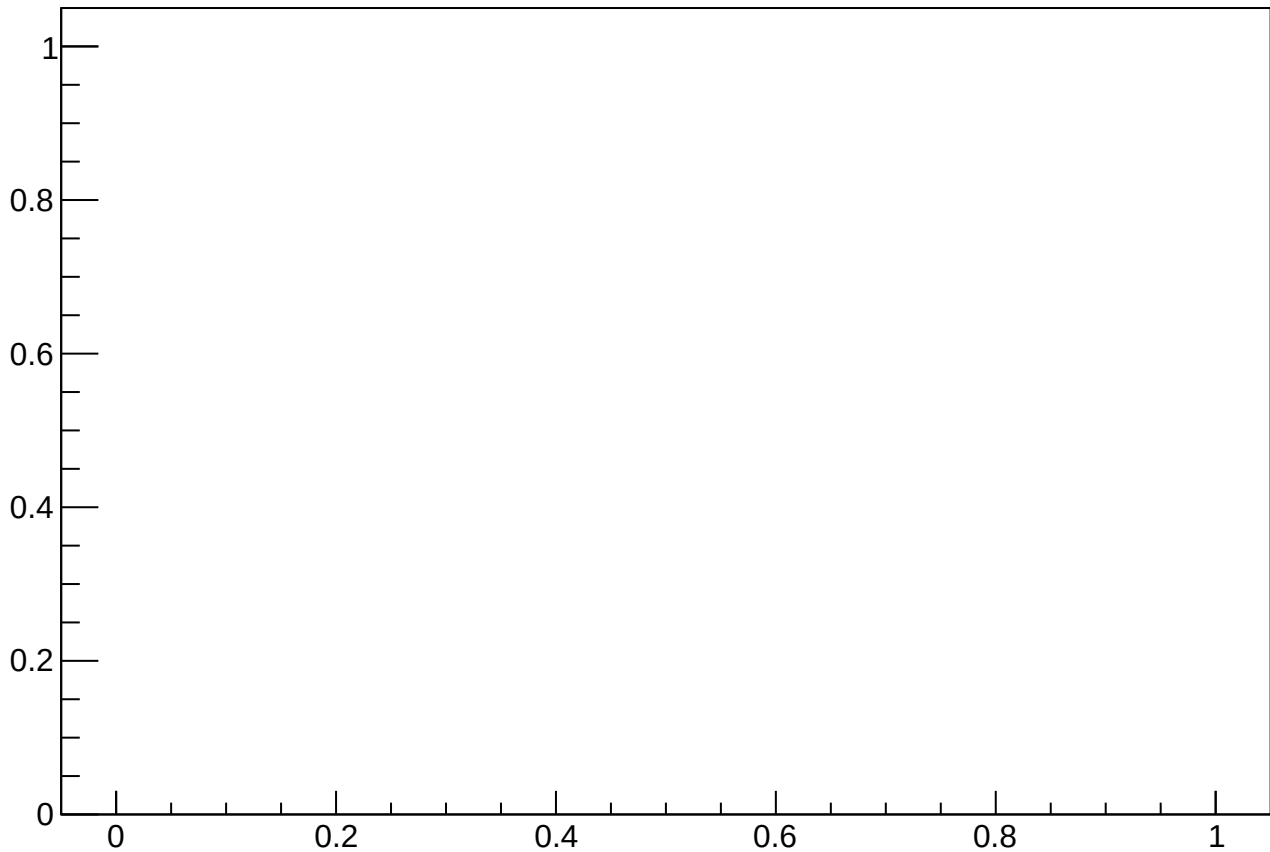
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usl\_coil3\_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\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usl\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil3\_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

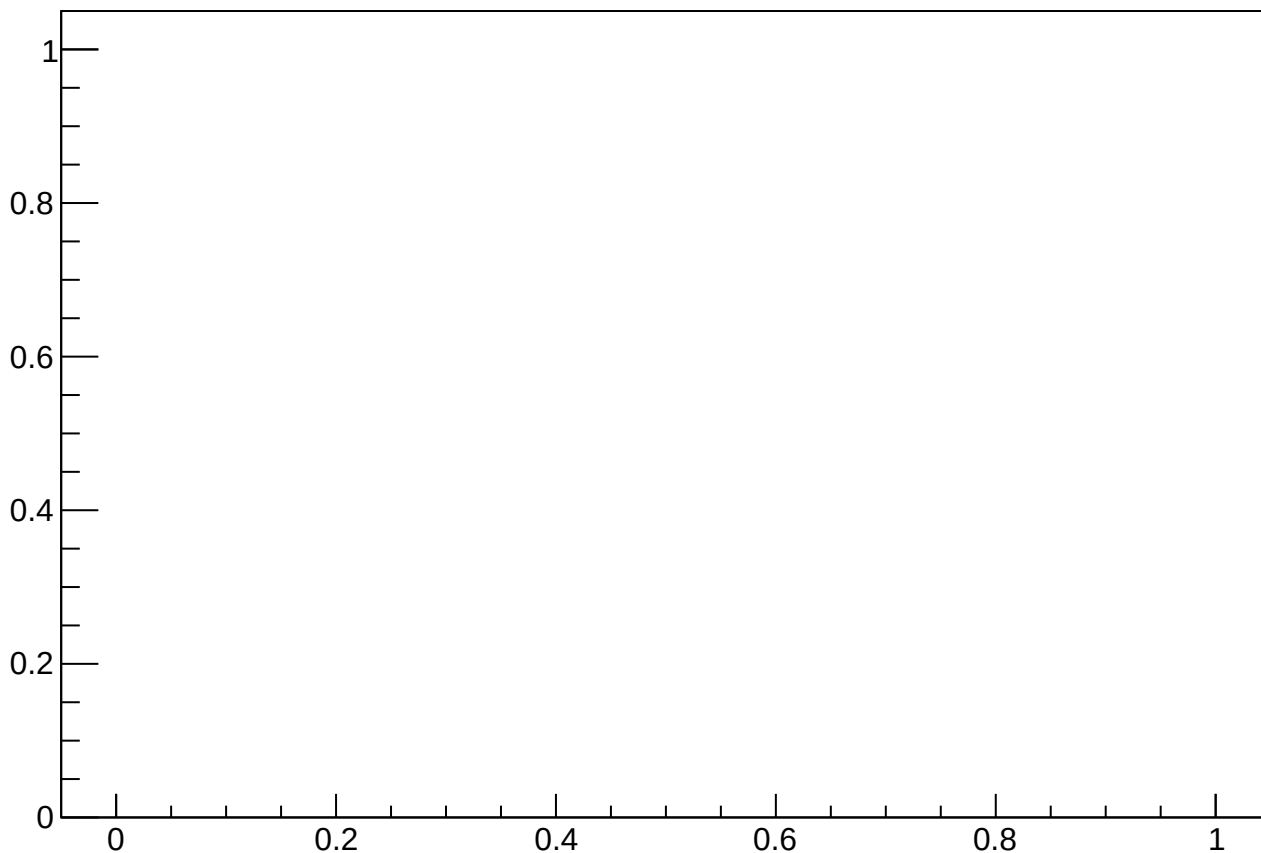
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usr\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

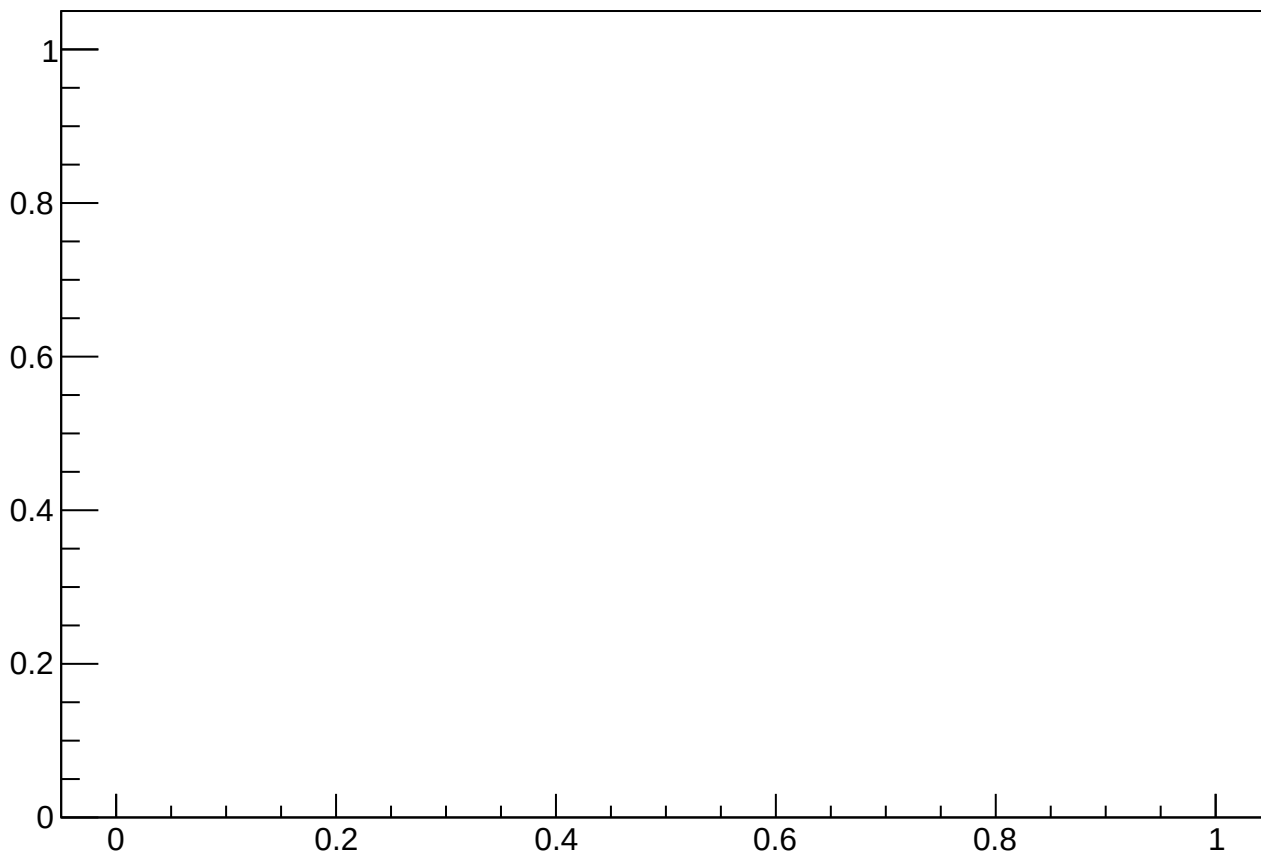
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil3\_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\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

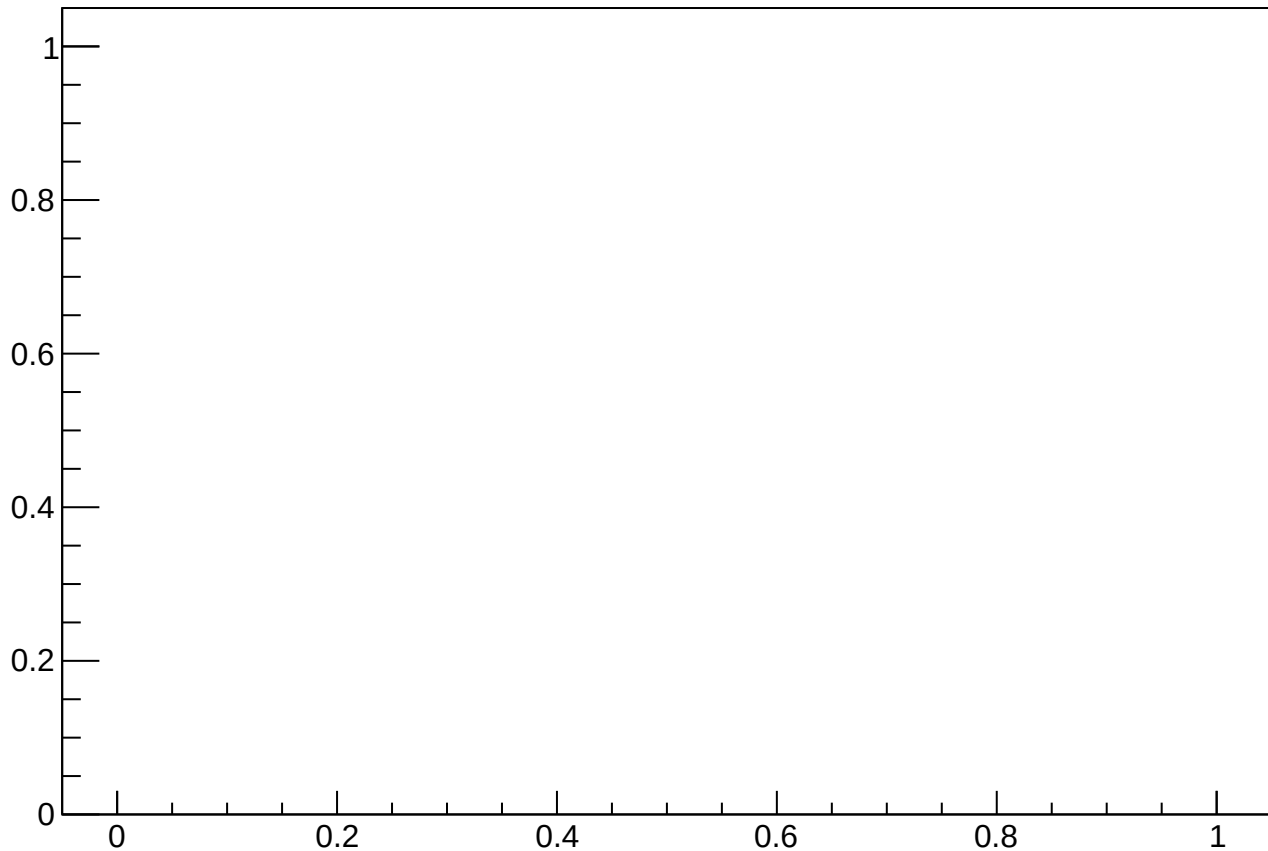
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam1\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil3\_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\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil3\_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

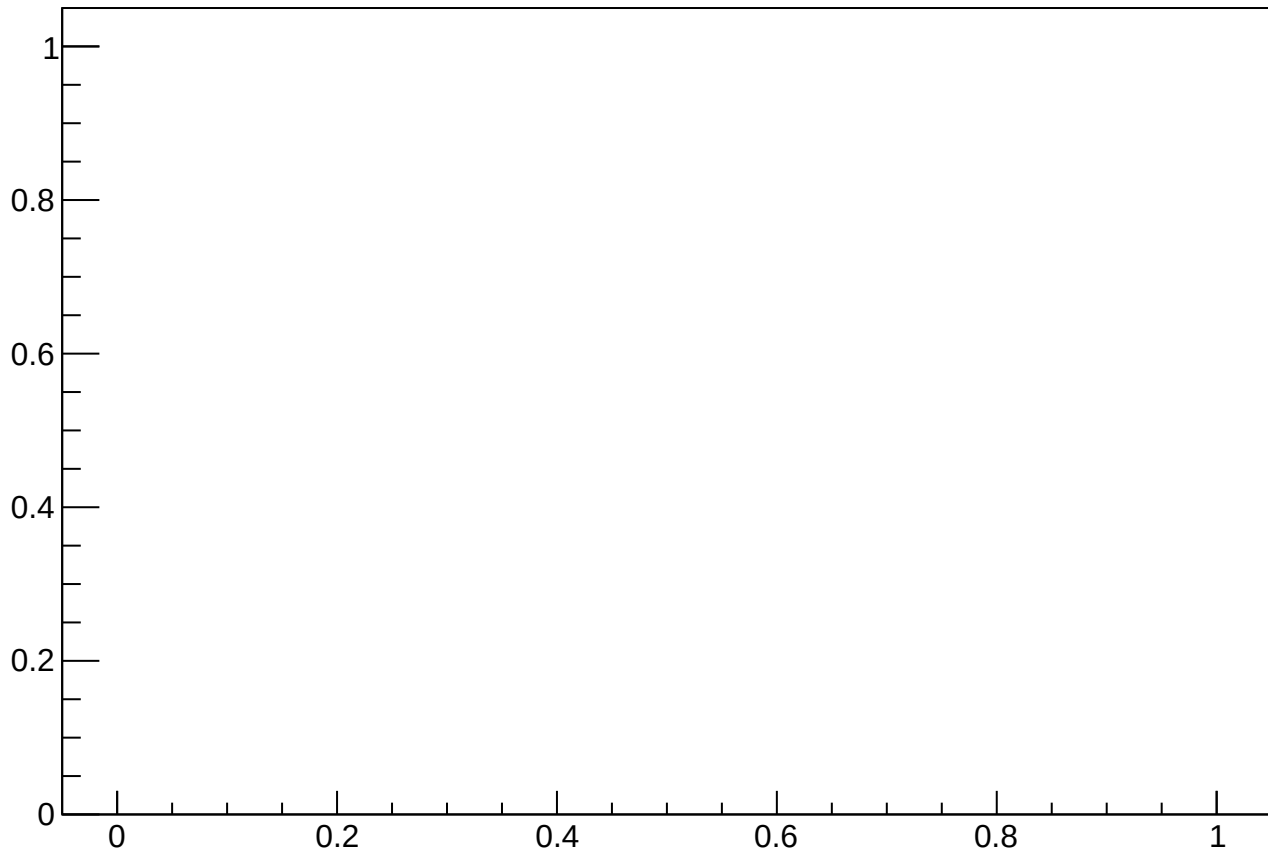
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil3\_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

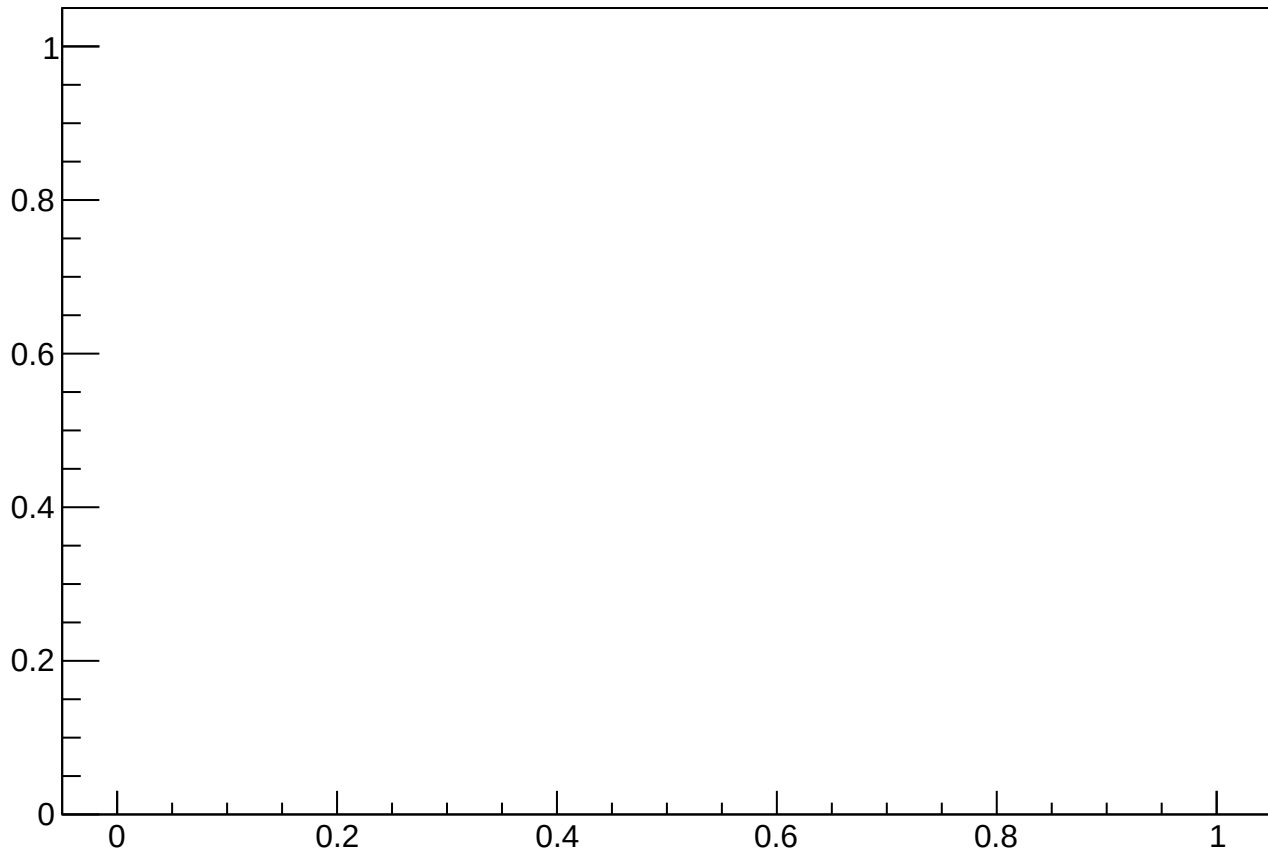
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam3\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam4\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil3\_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

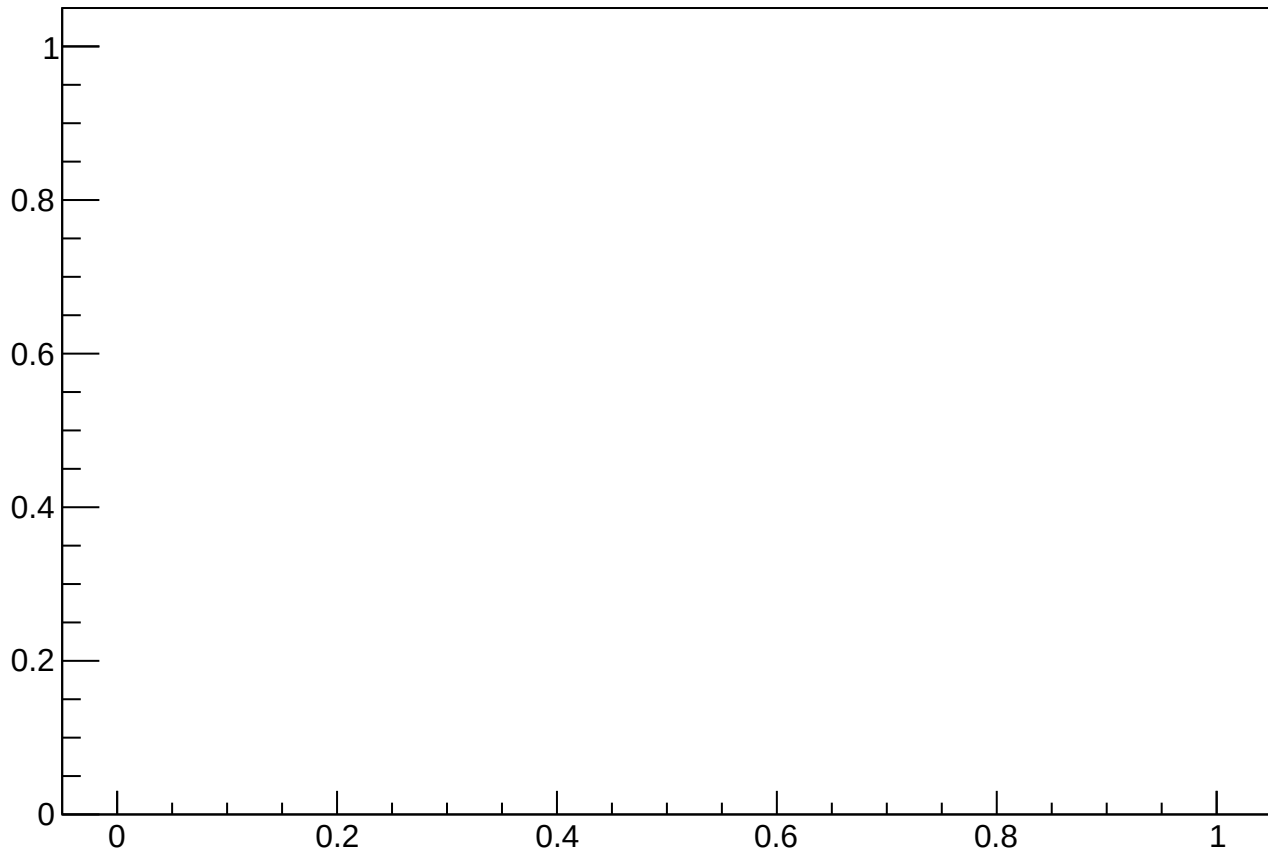
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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\_coil3\_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\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_sam6\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

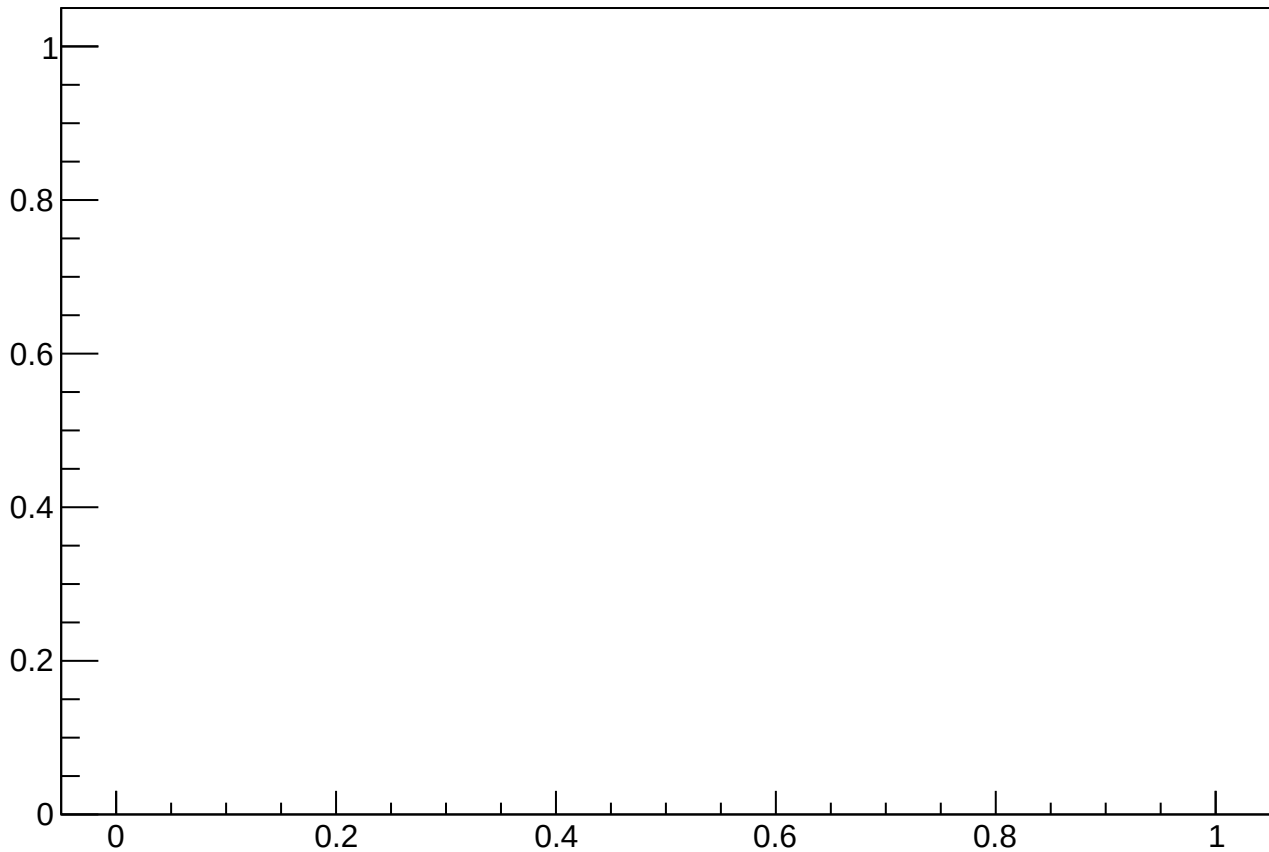
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil3\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam8\_coil3\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil3\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

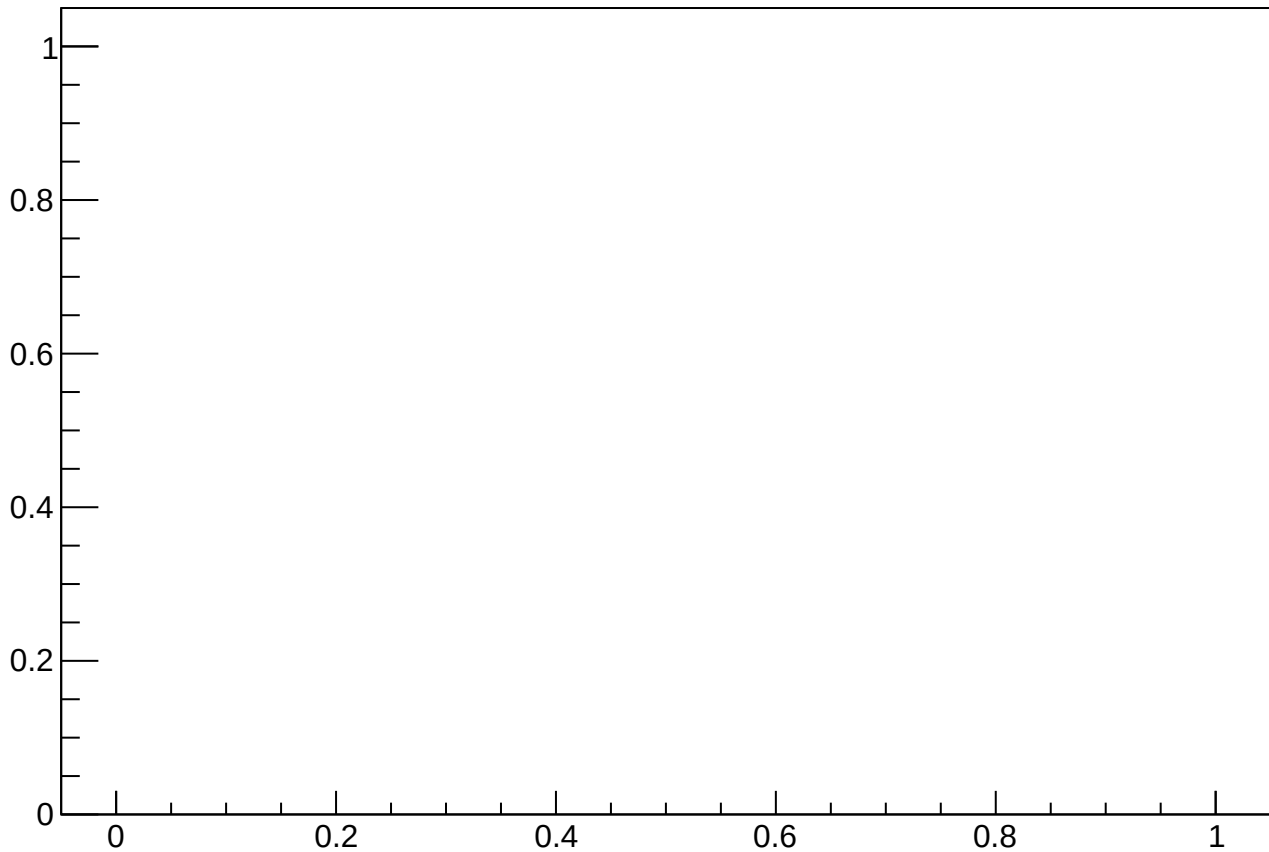
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aX\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

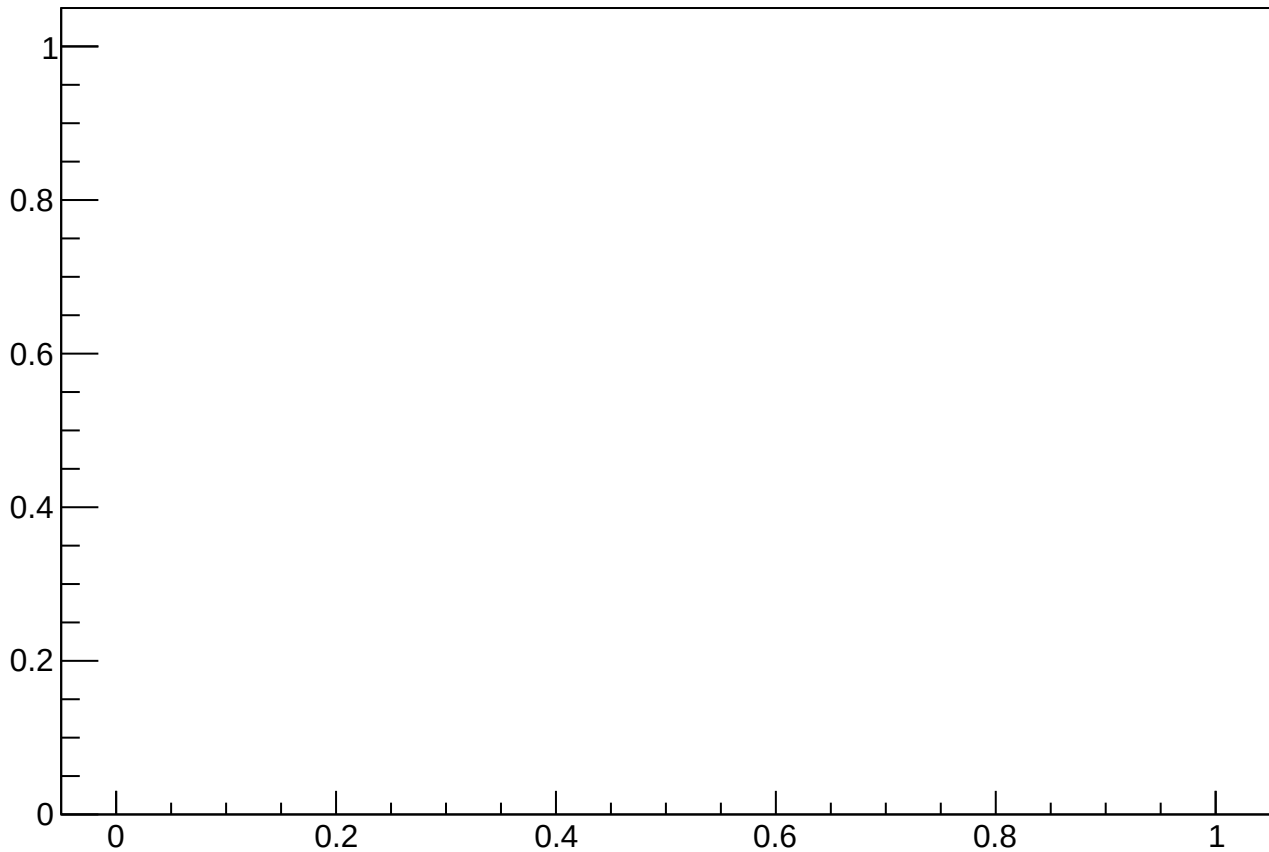
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_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\_11X12X\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

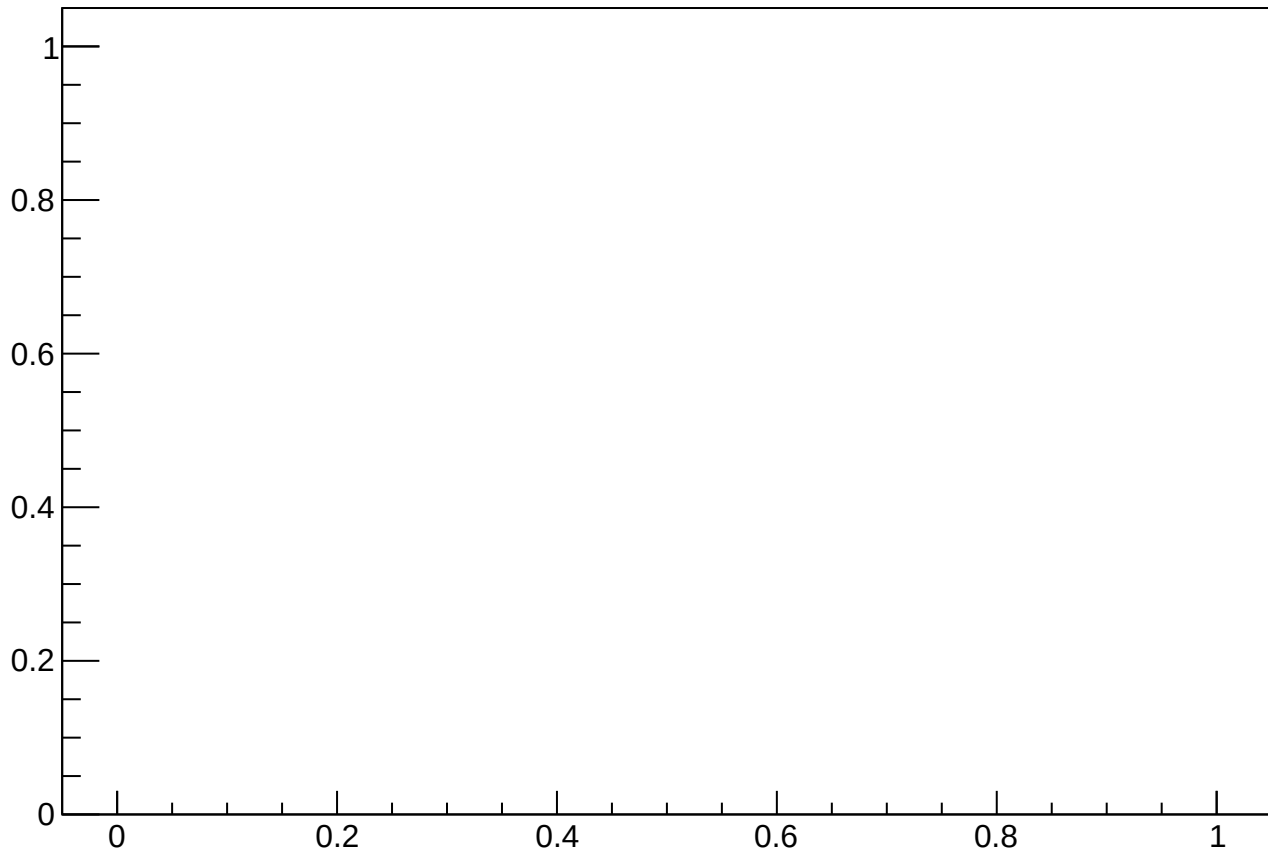
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_11X12X\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

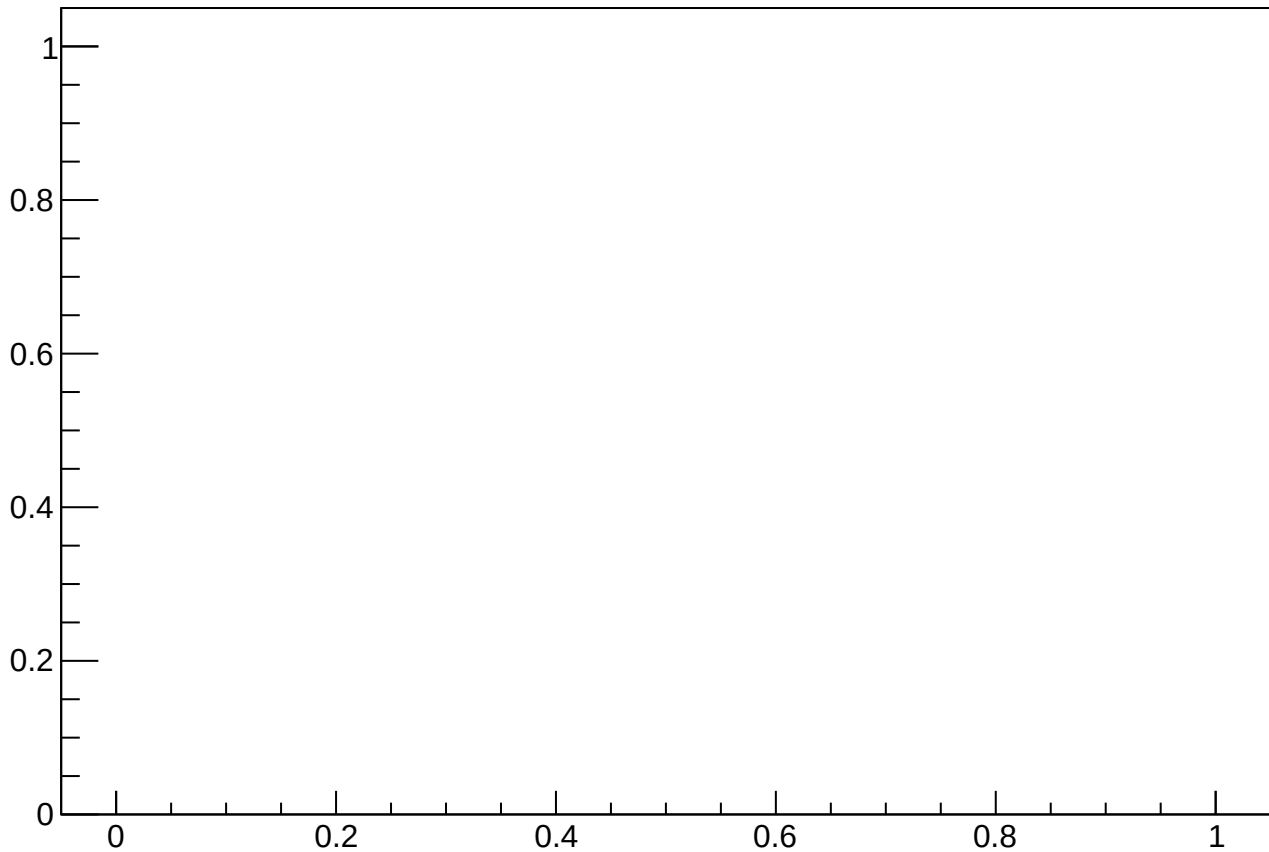
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usl\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_usl\_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\_usl\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

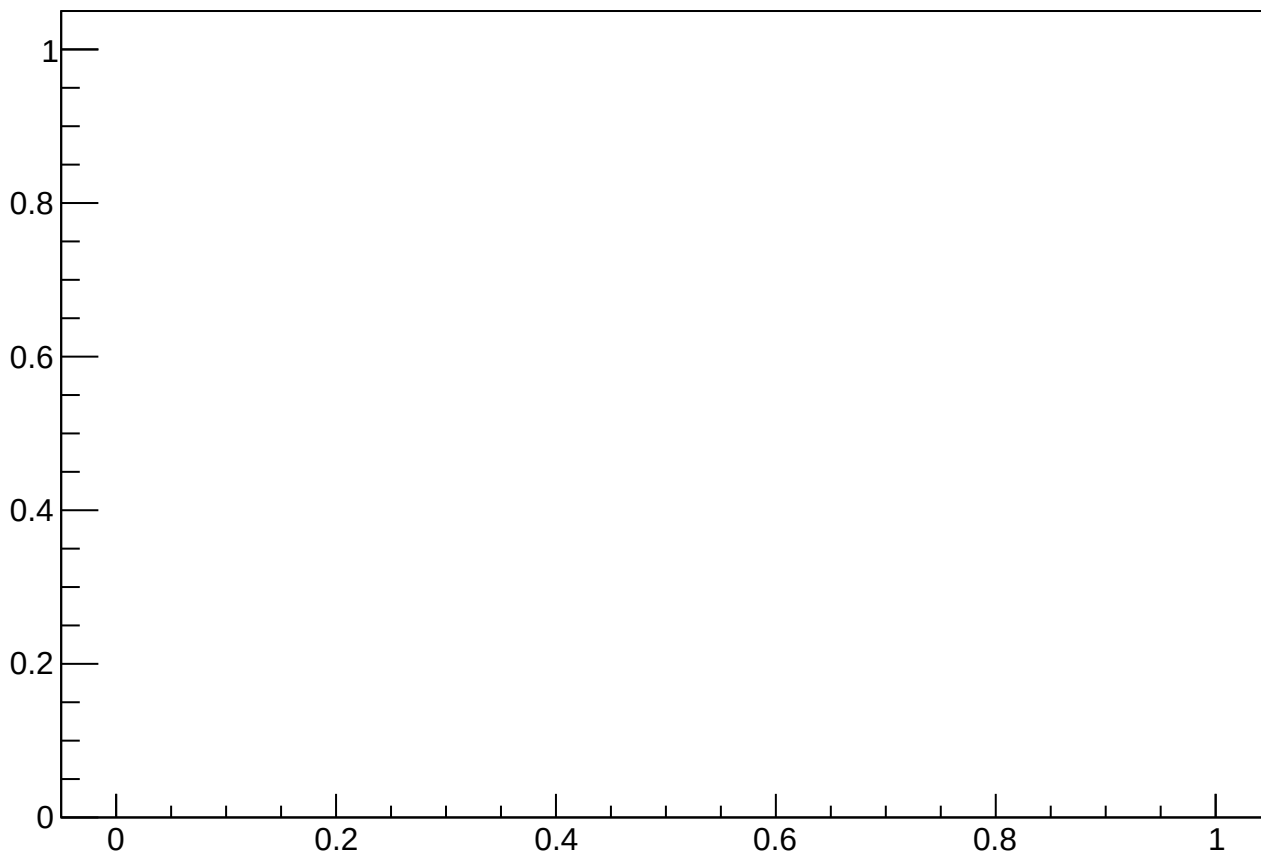
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

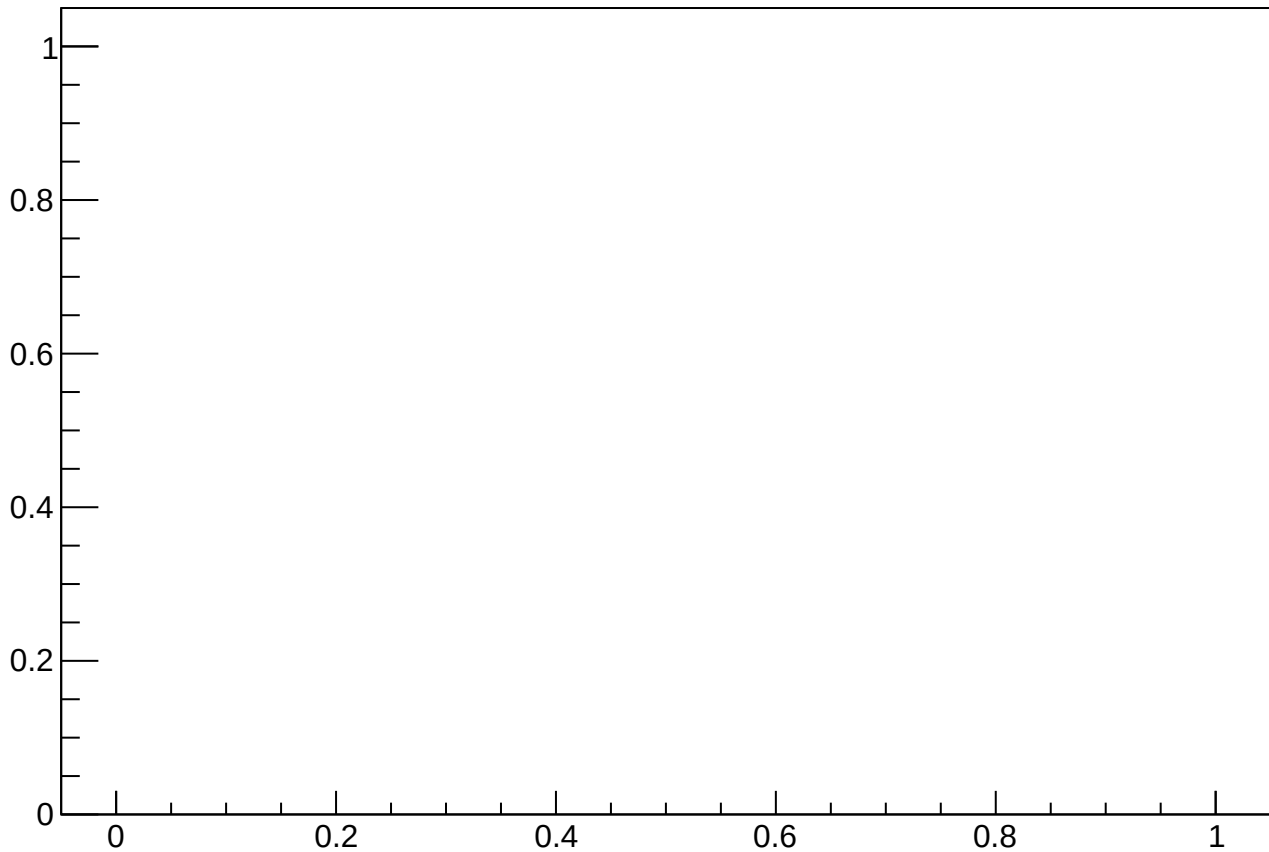
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl2\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

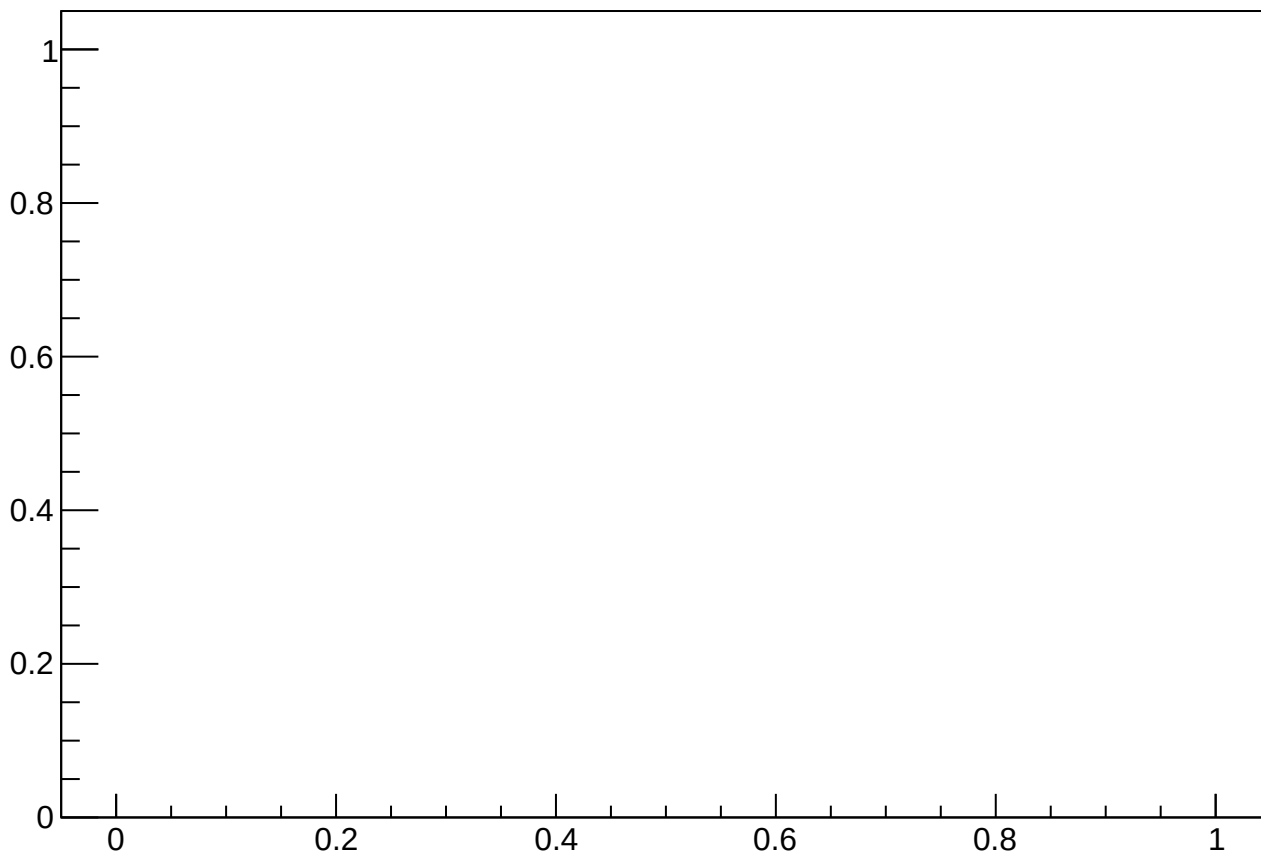
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

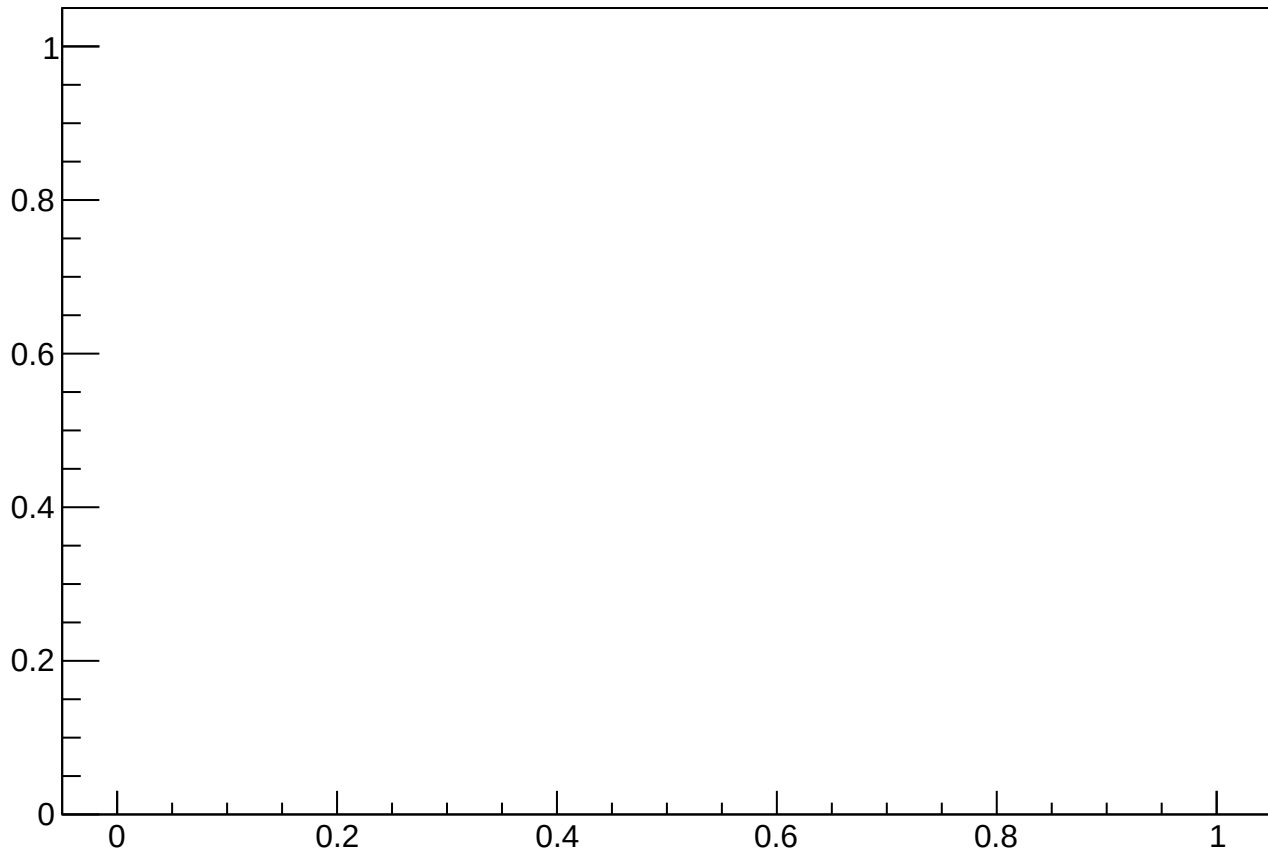
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atr2\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_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\_sam2\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_sam3\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_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\_sam5\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam6\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_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\_sam7\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil7\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

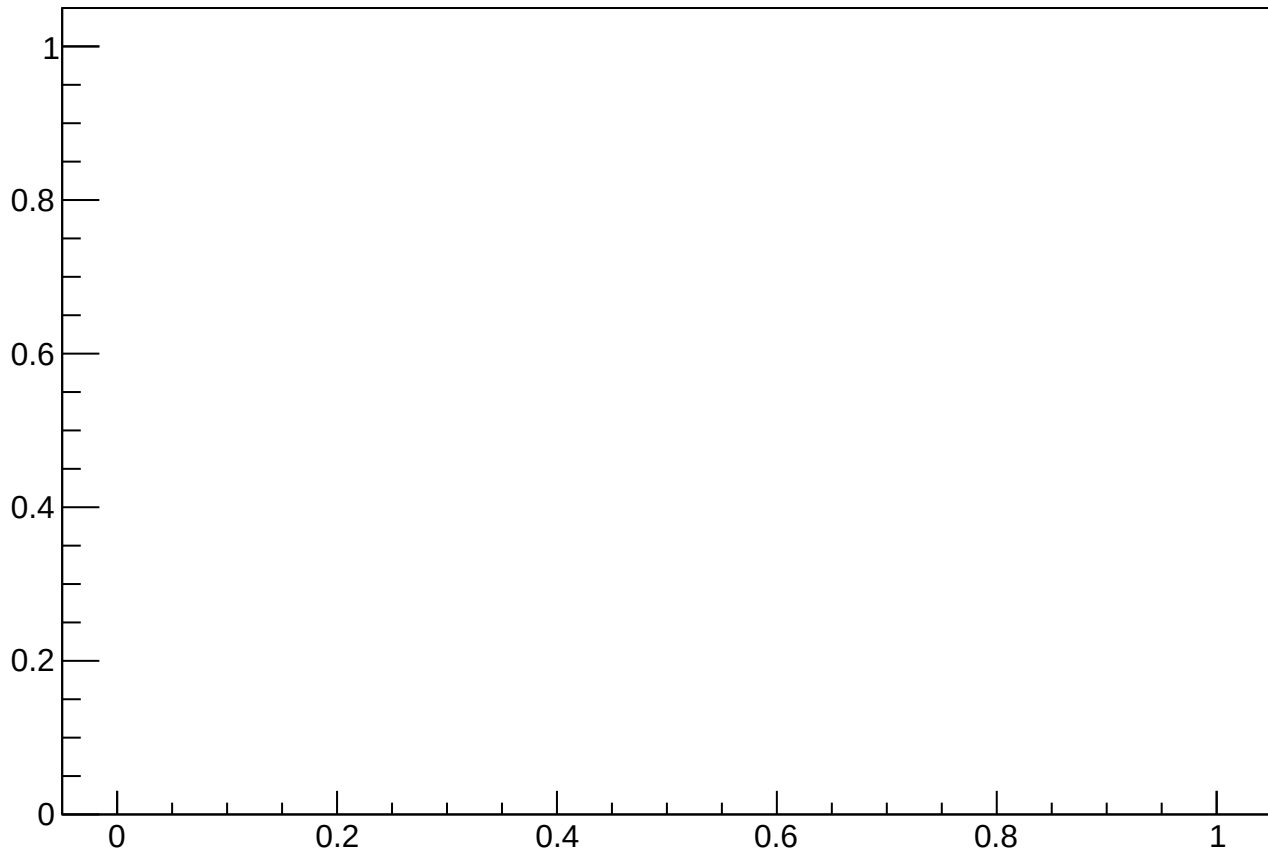
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil7\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam8\_coil7\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_11X12X\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

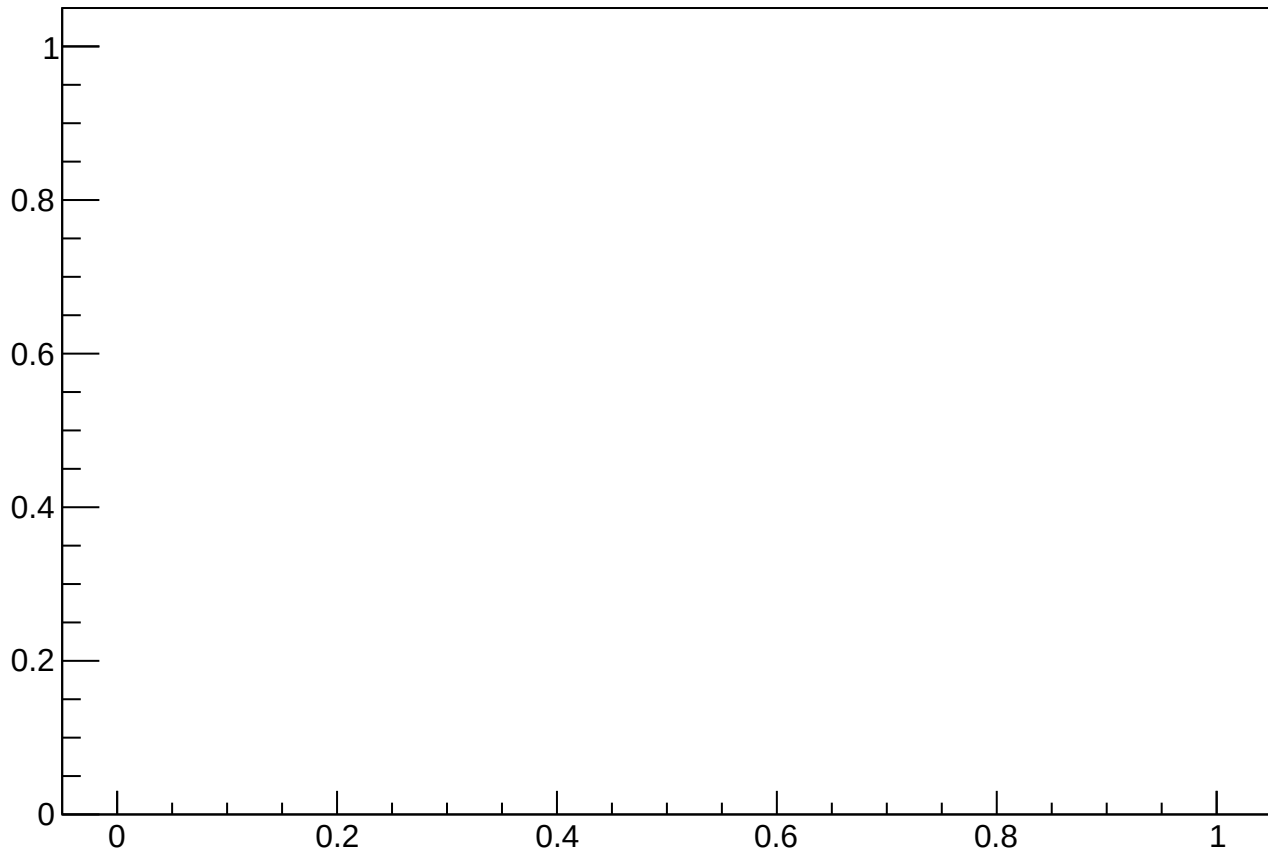
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aY\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_usl\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_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\_usr\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

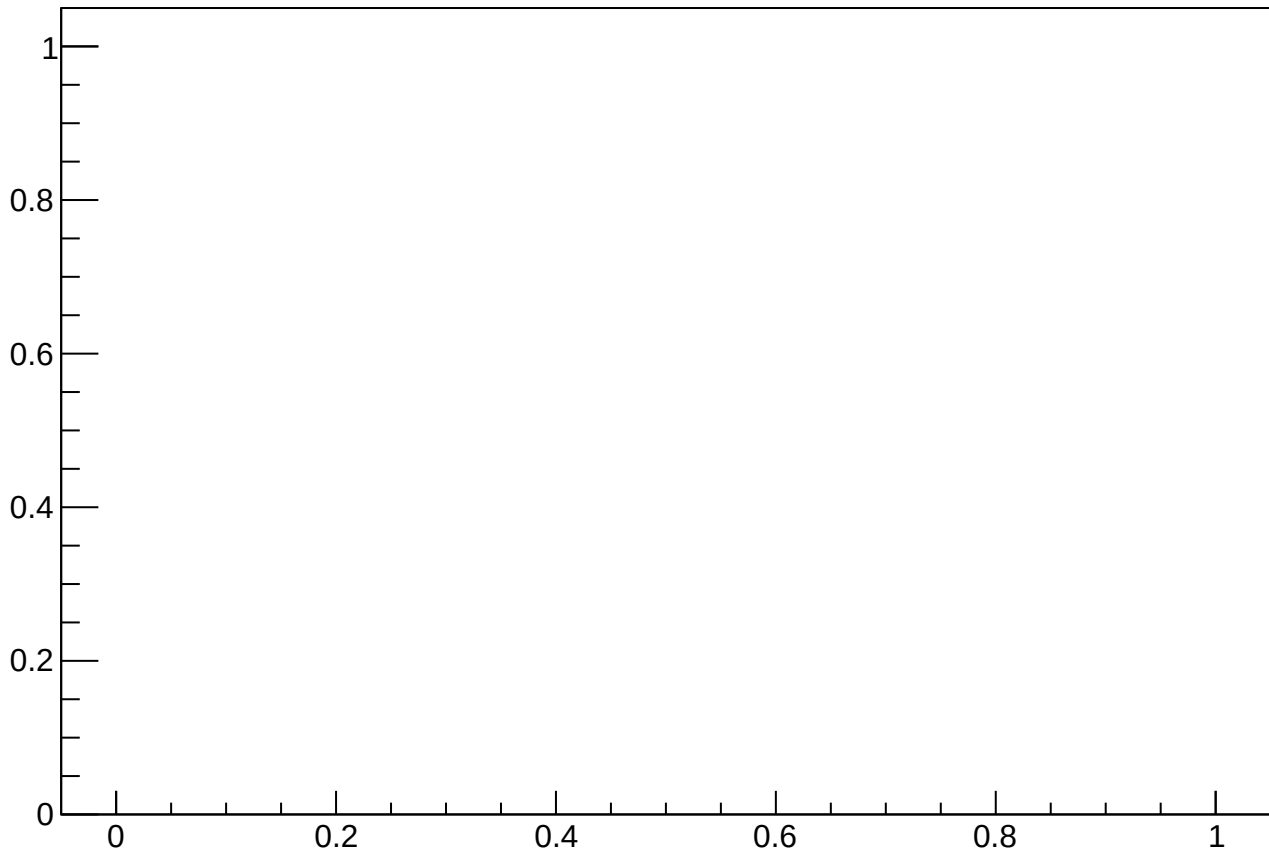
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

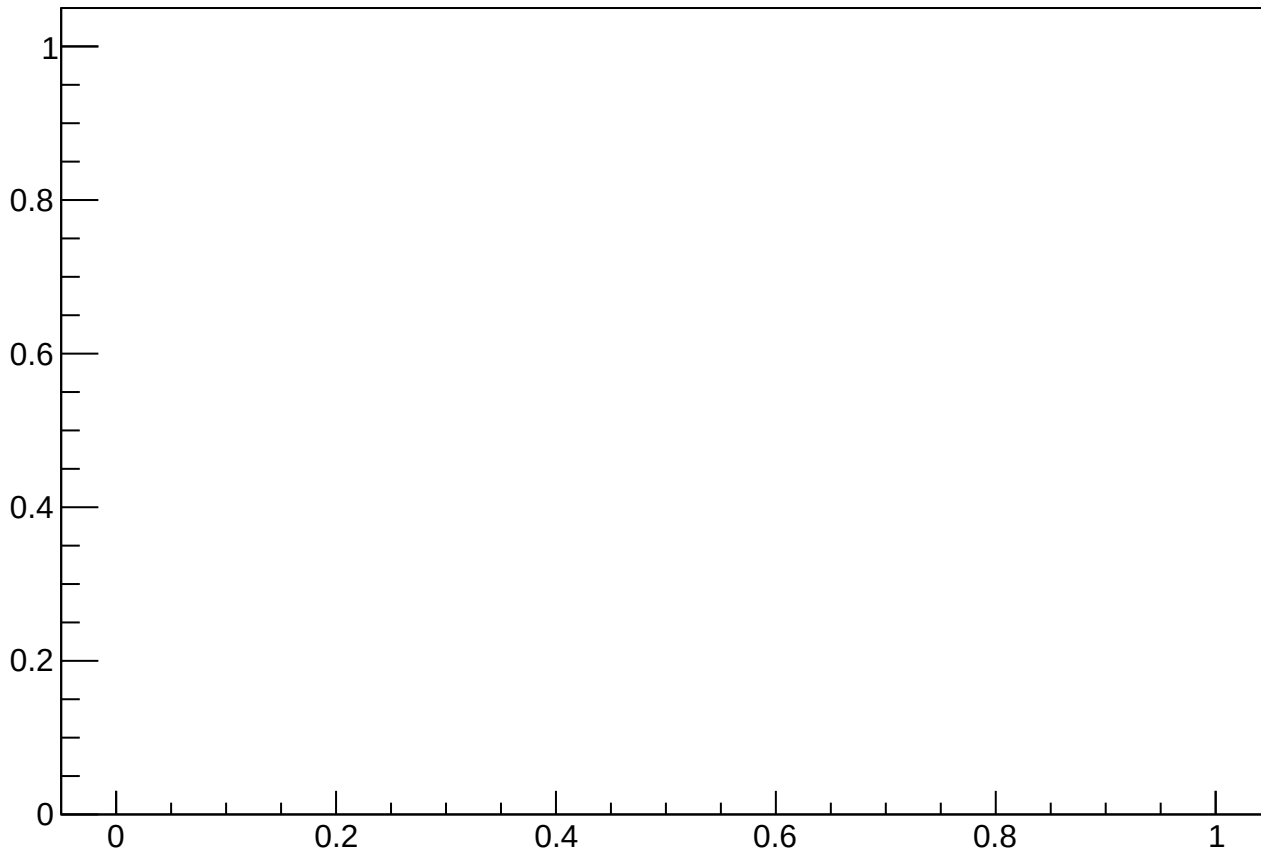
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl1\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atl1\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

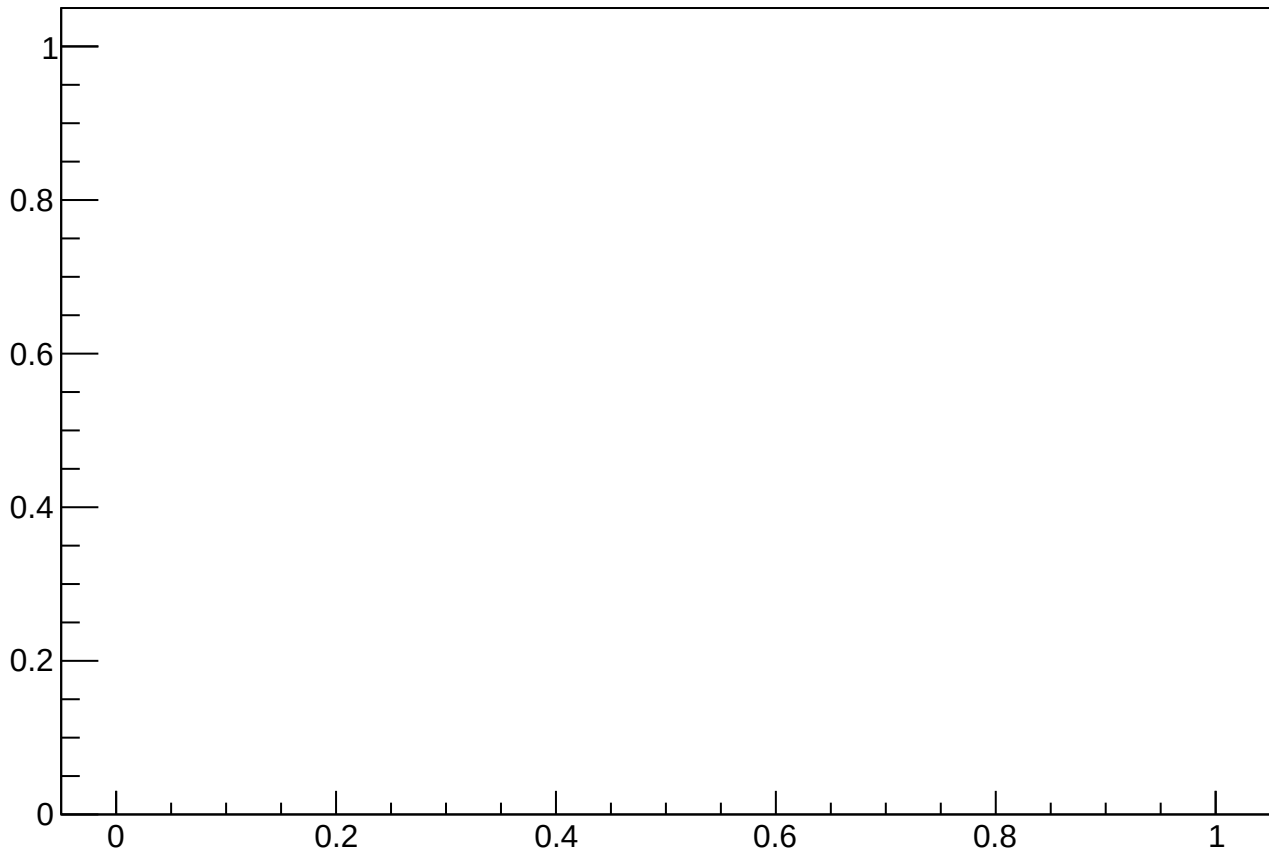
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

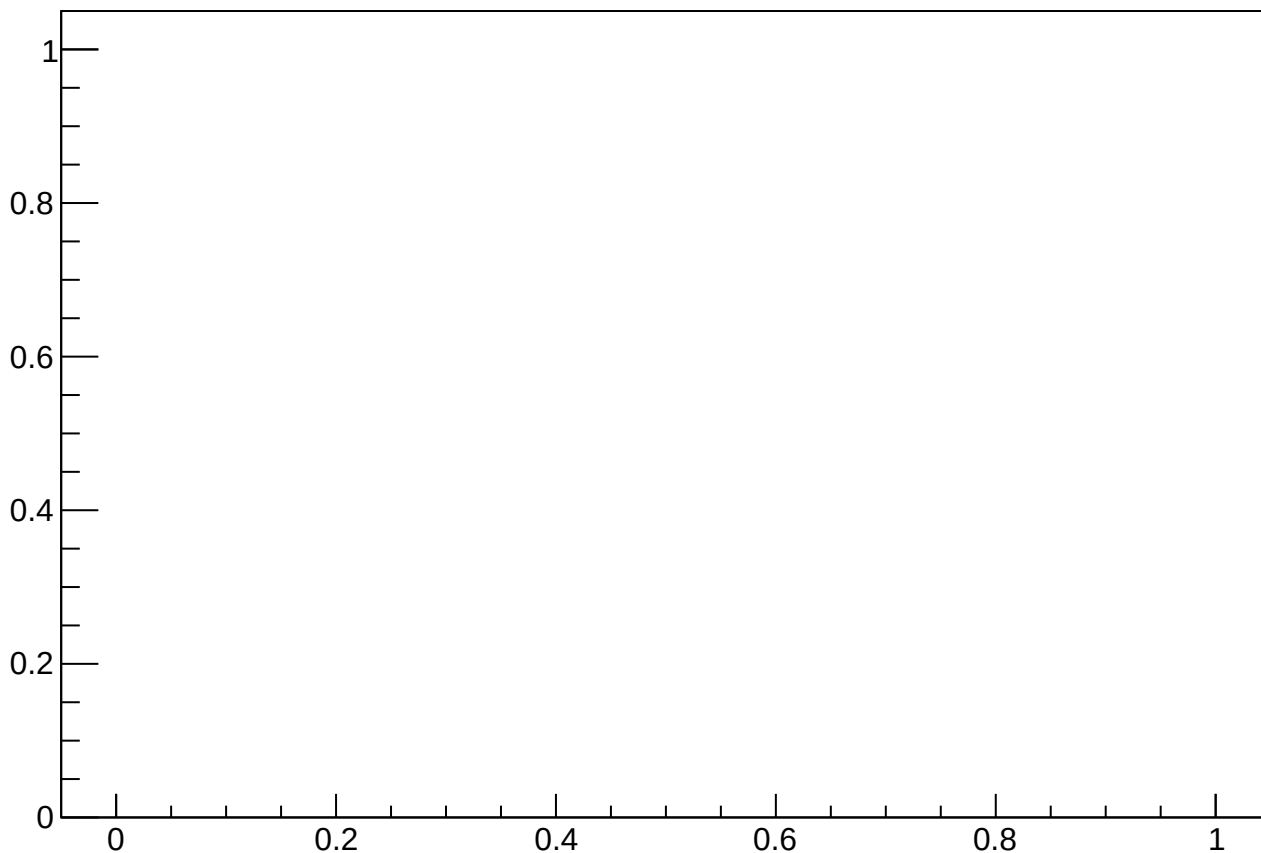
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

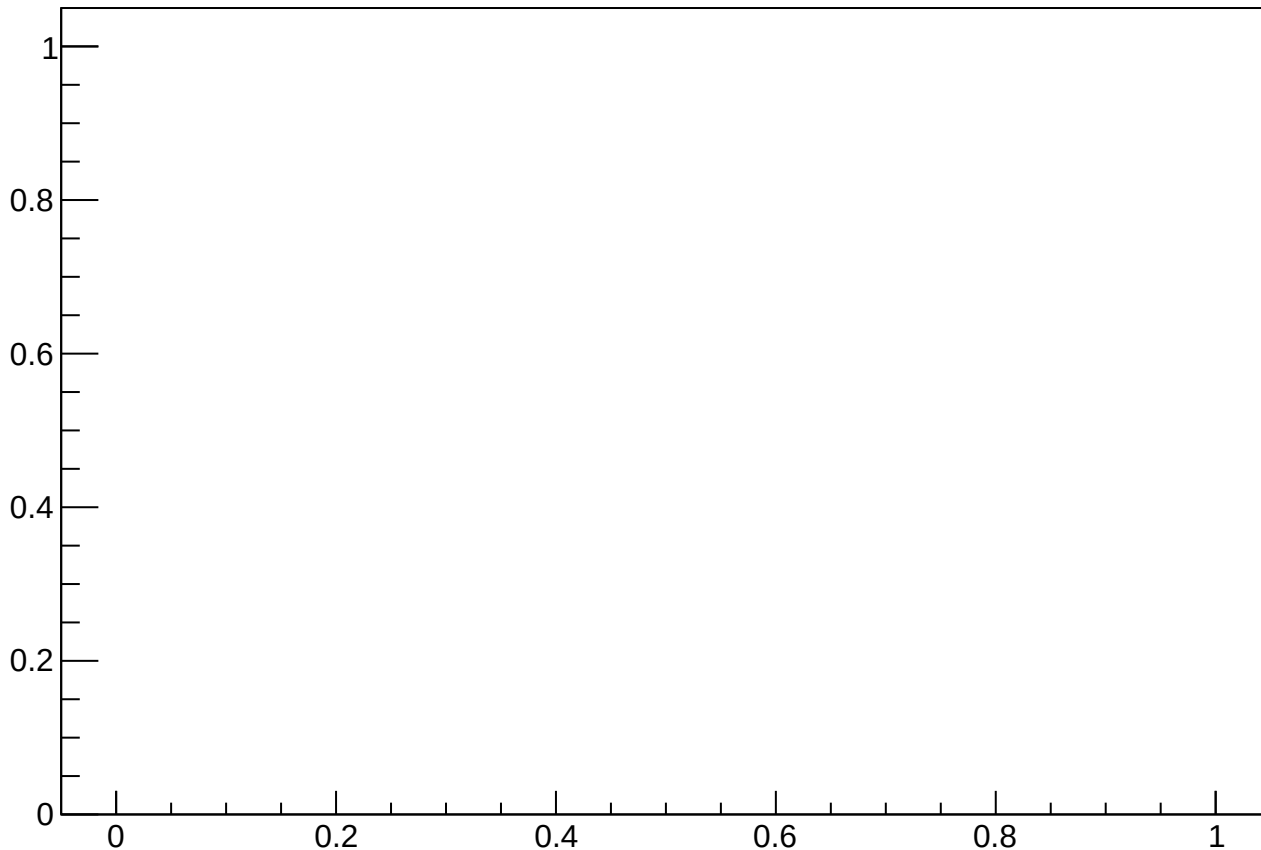
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

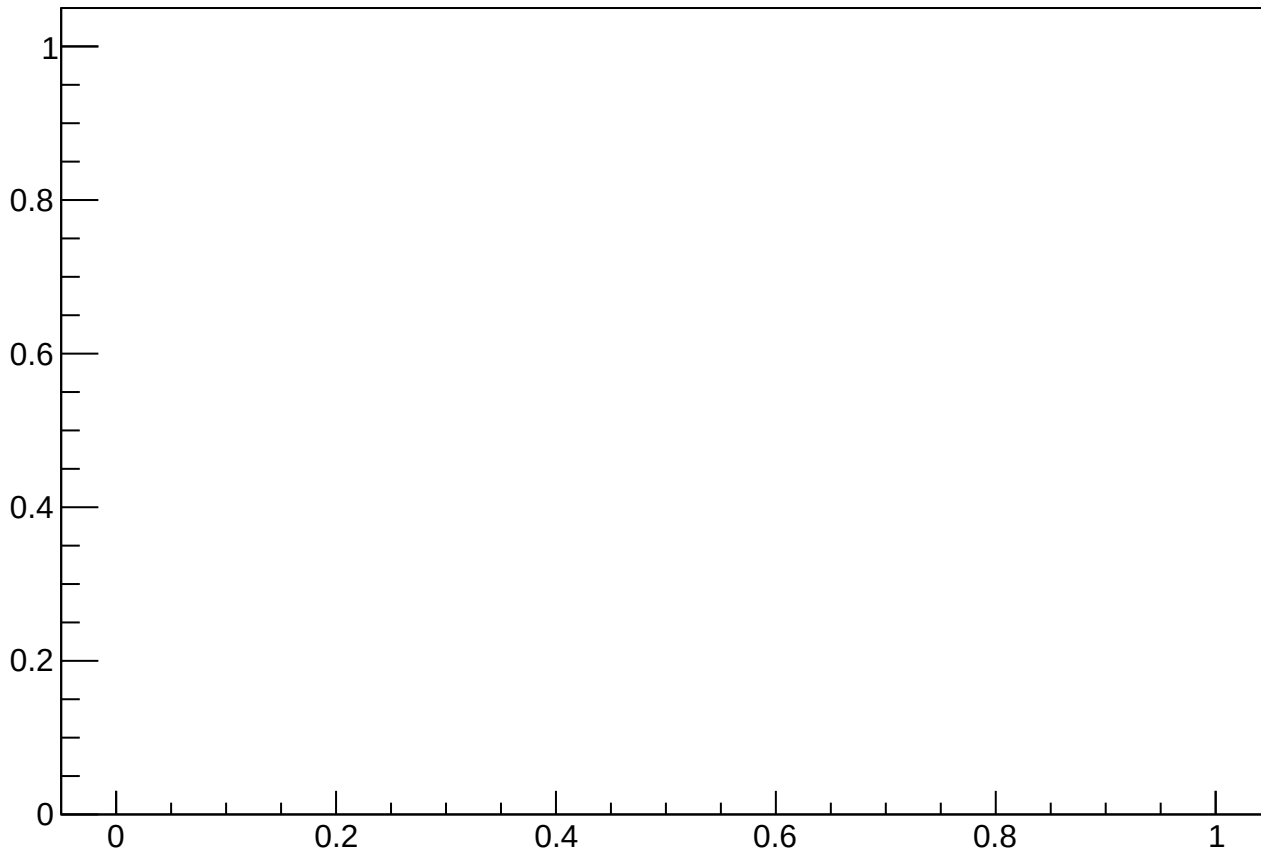
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

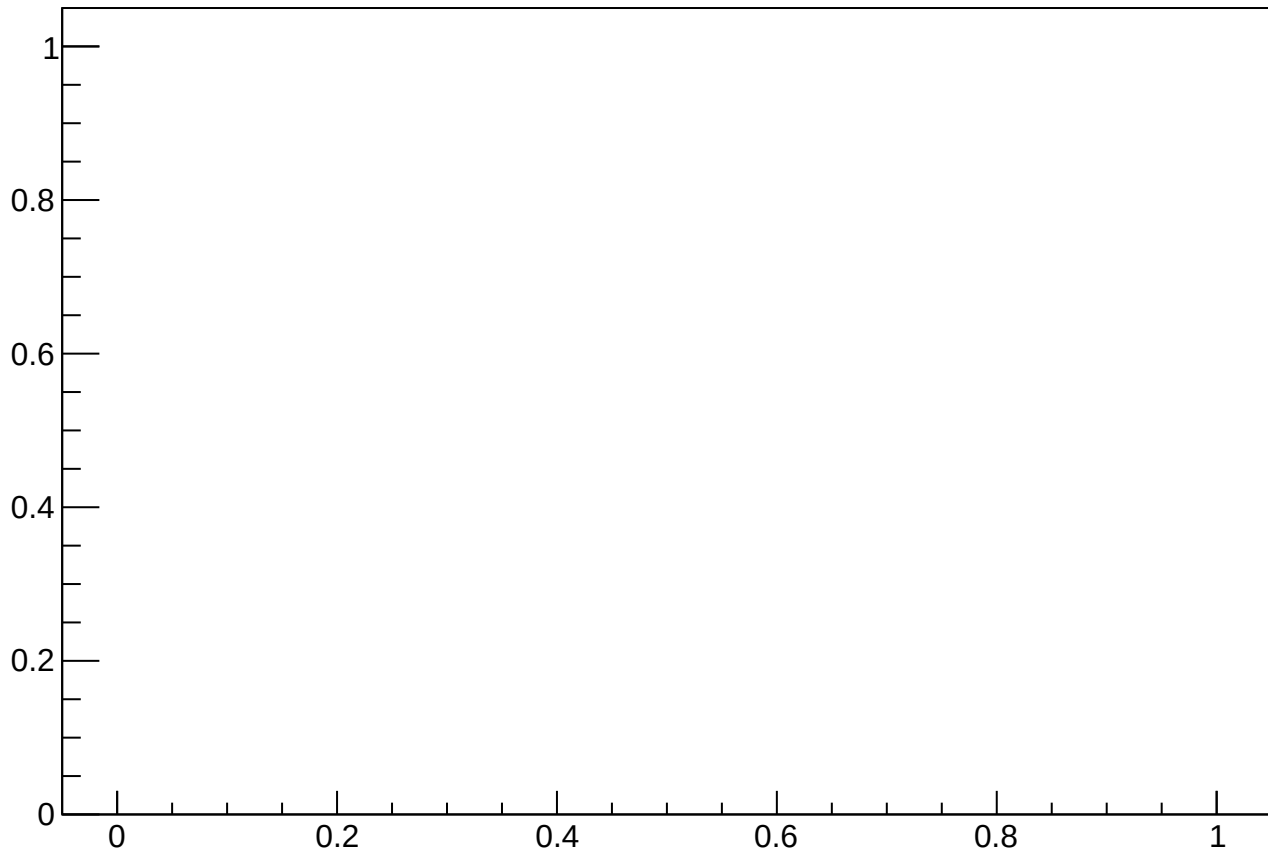
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atr2\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_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\_sam2\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 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

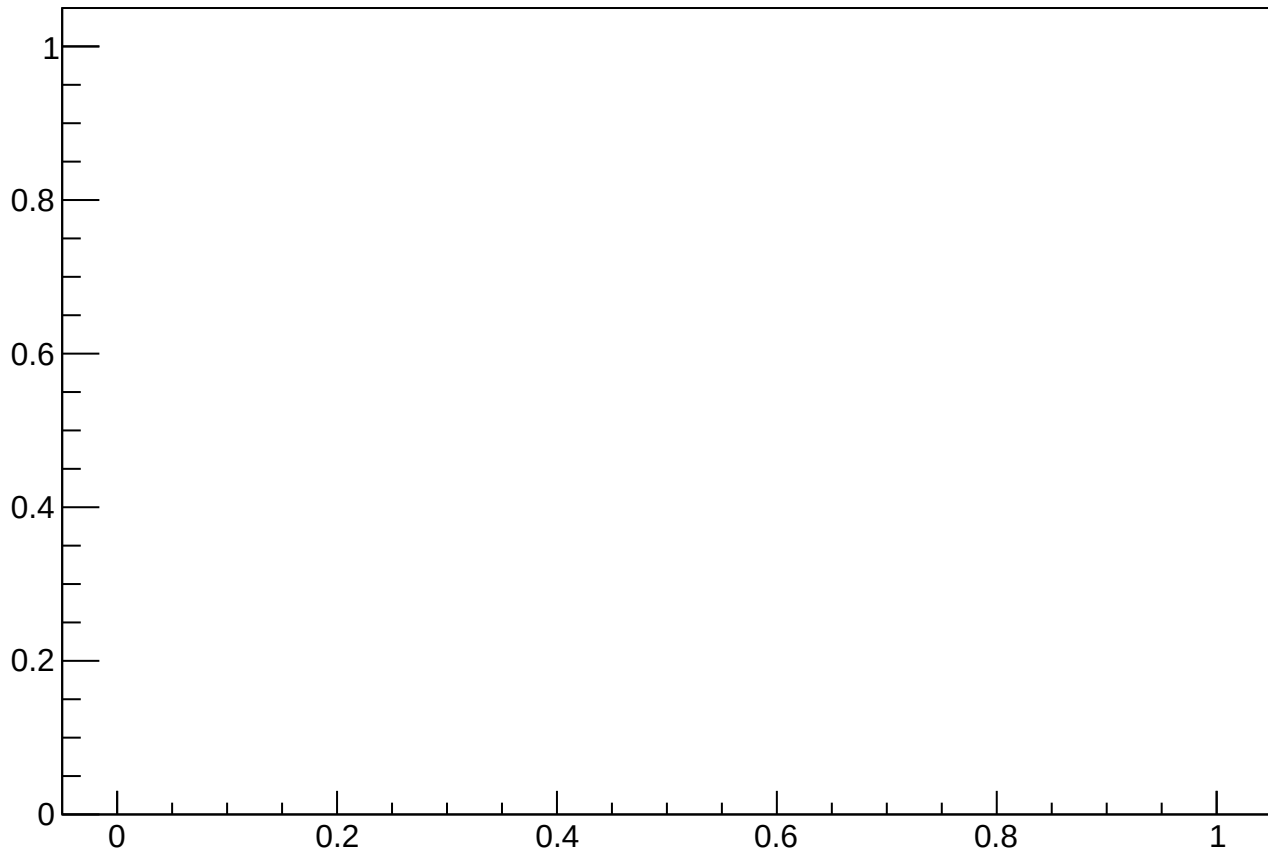
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

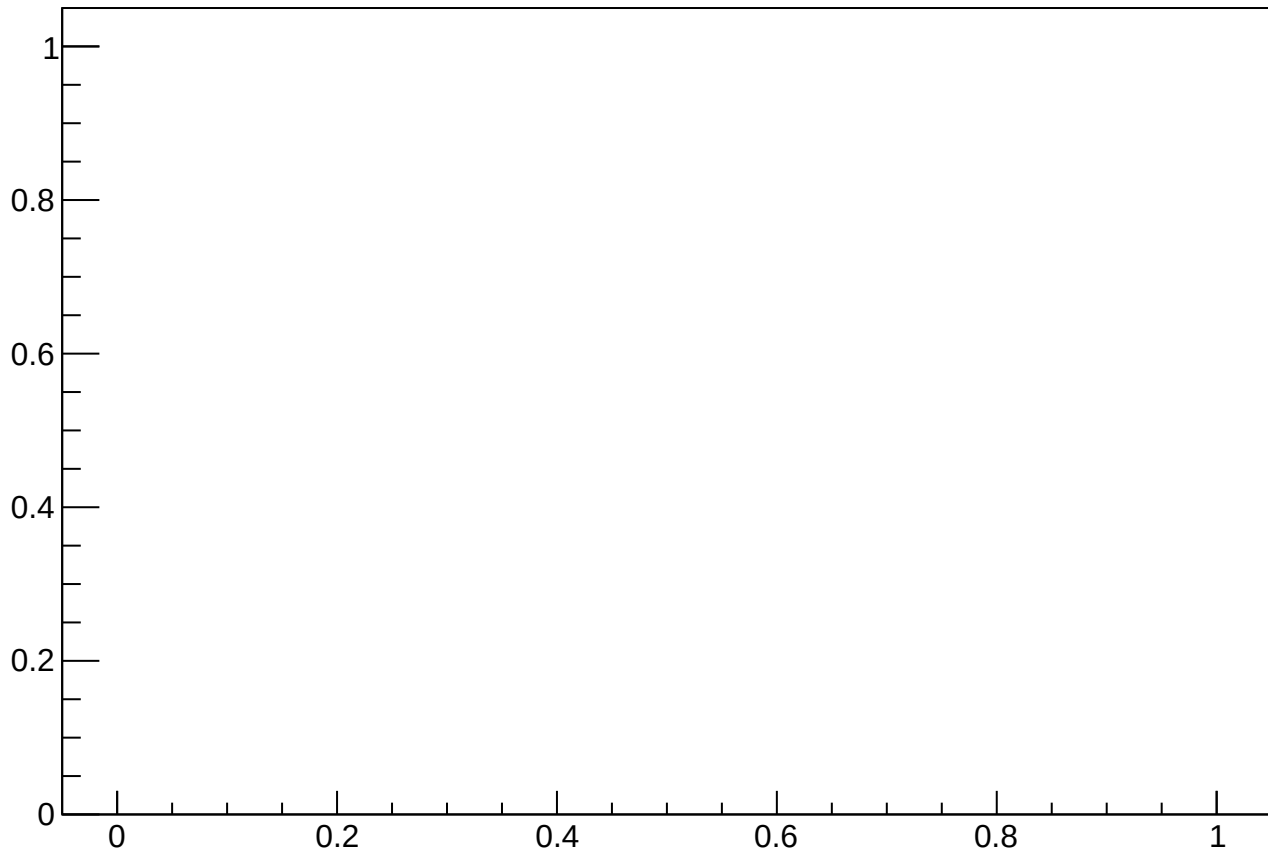
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_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\_sam4\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam5\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam5\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam6\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil4\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_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\_sam8\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil4\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4aX\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

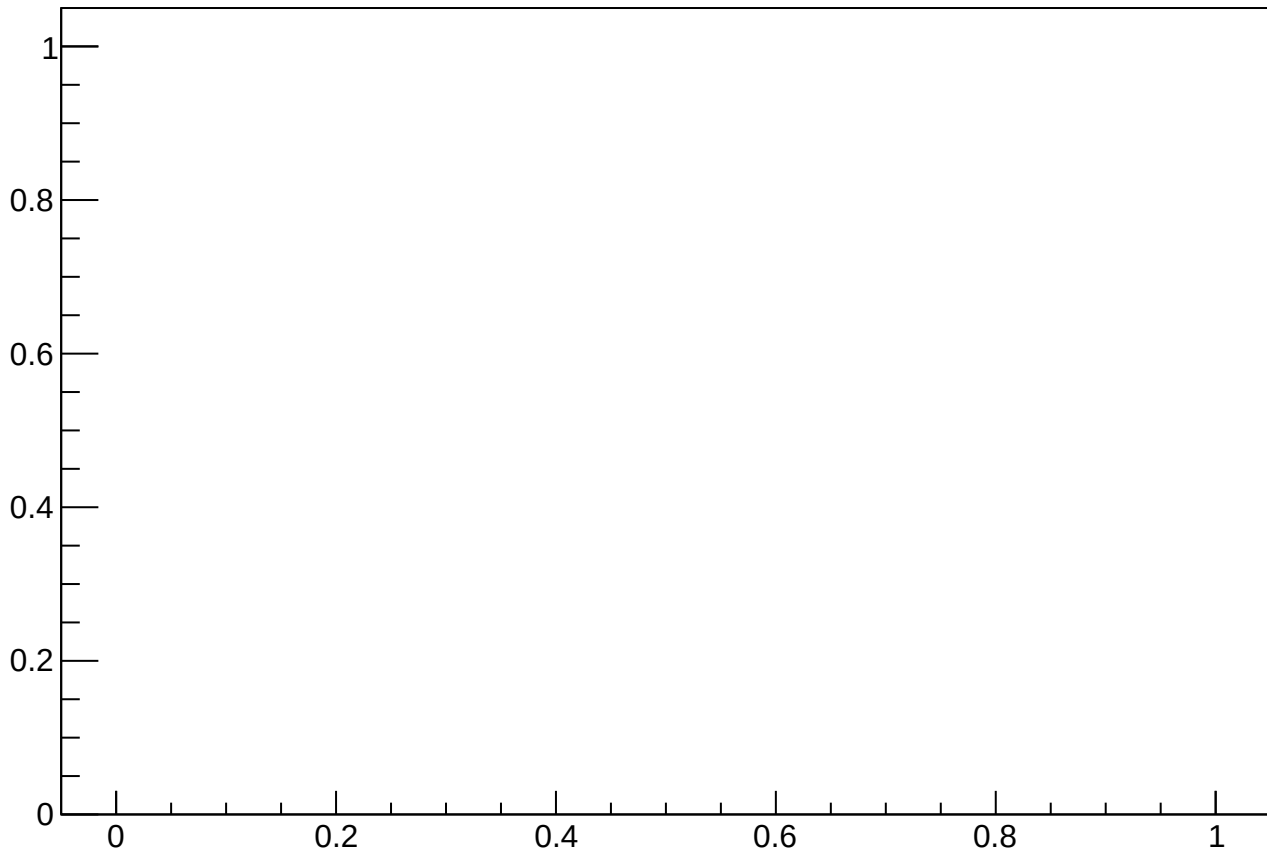
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eX\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

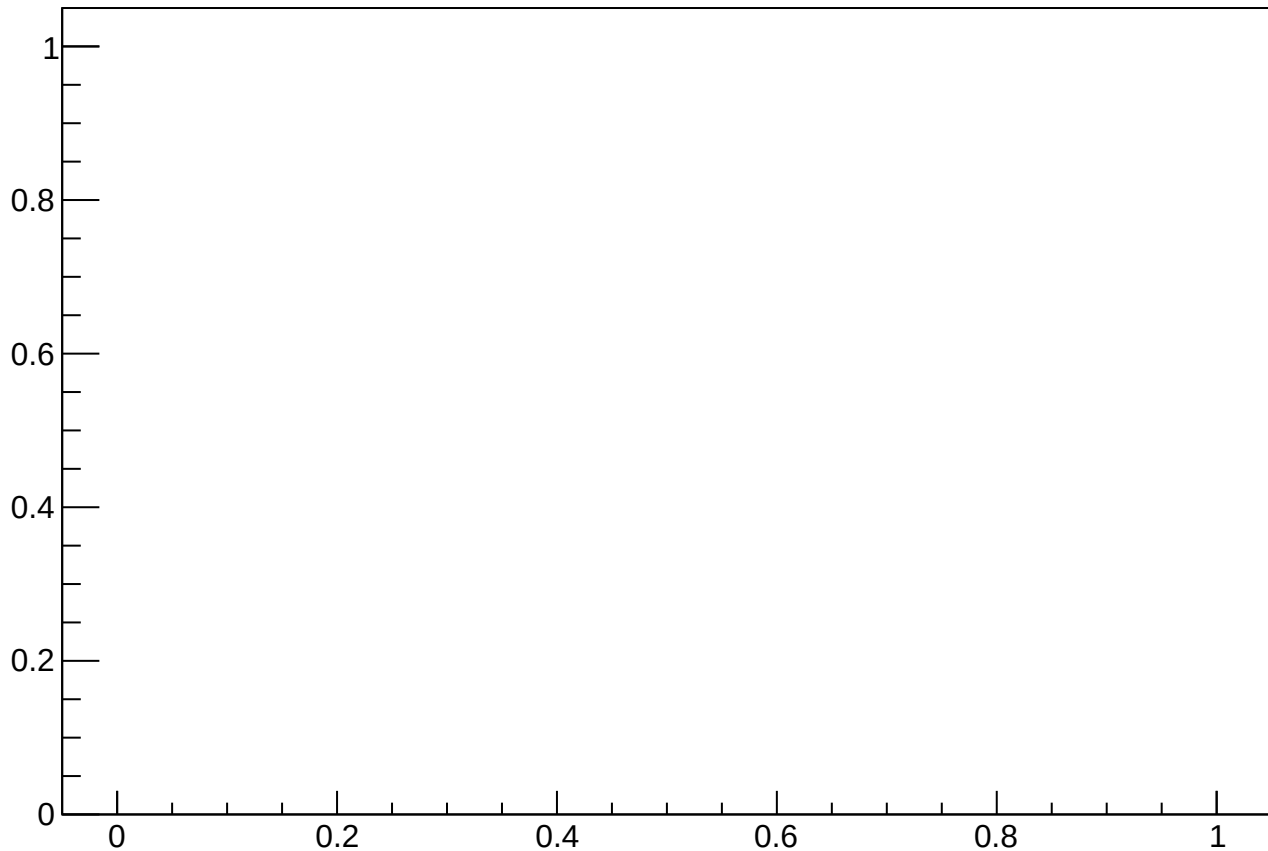
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_11X12X\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_4eY\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_4eY\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

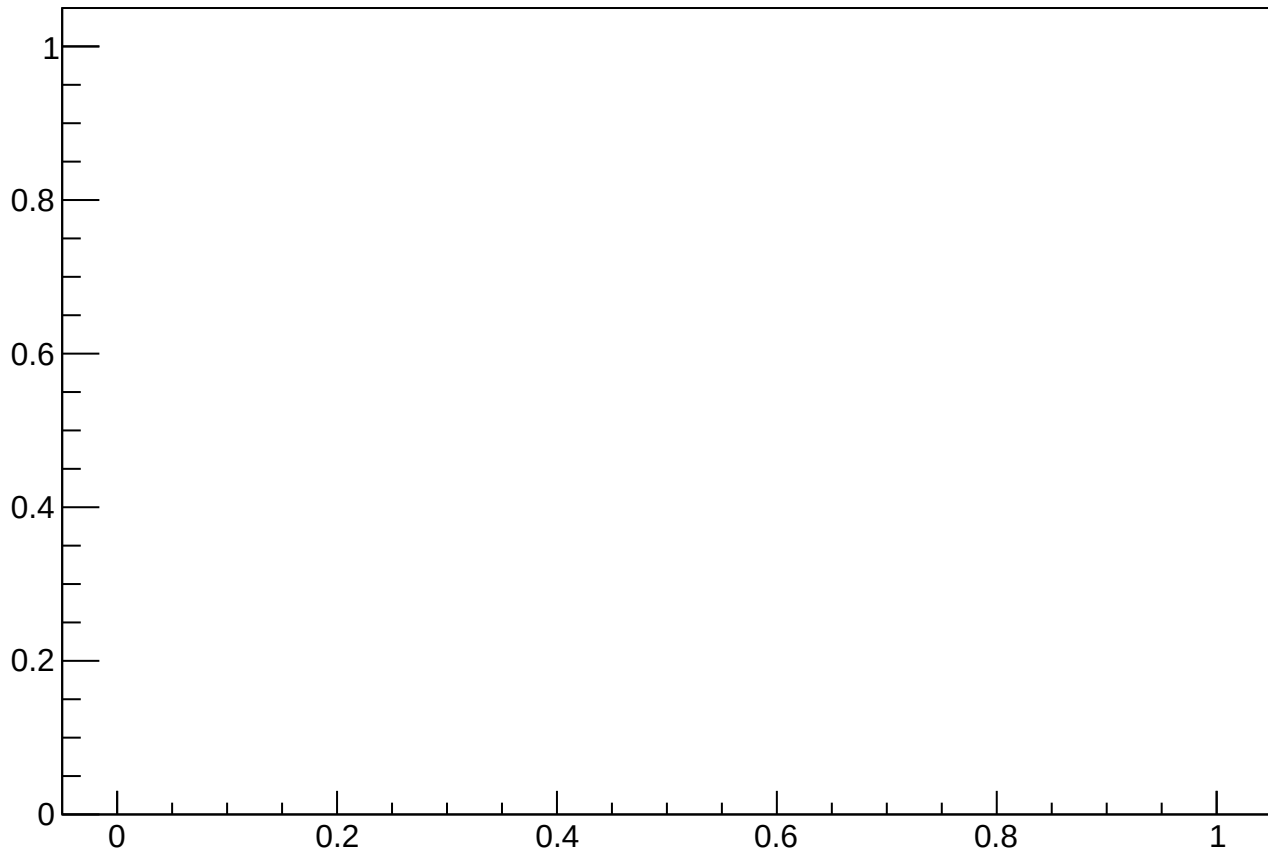
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usl\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usl\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_usr\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atl1\_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\_atl1\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

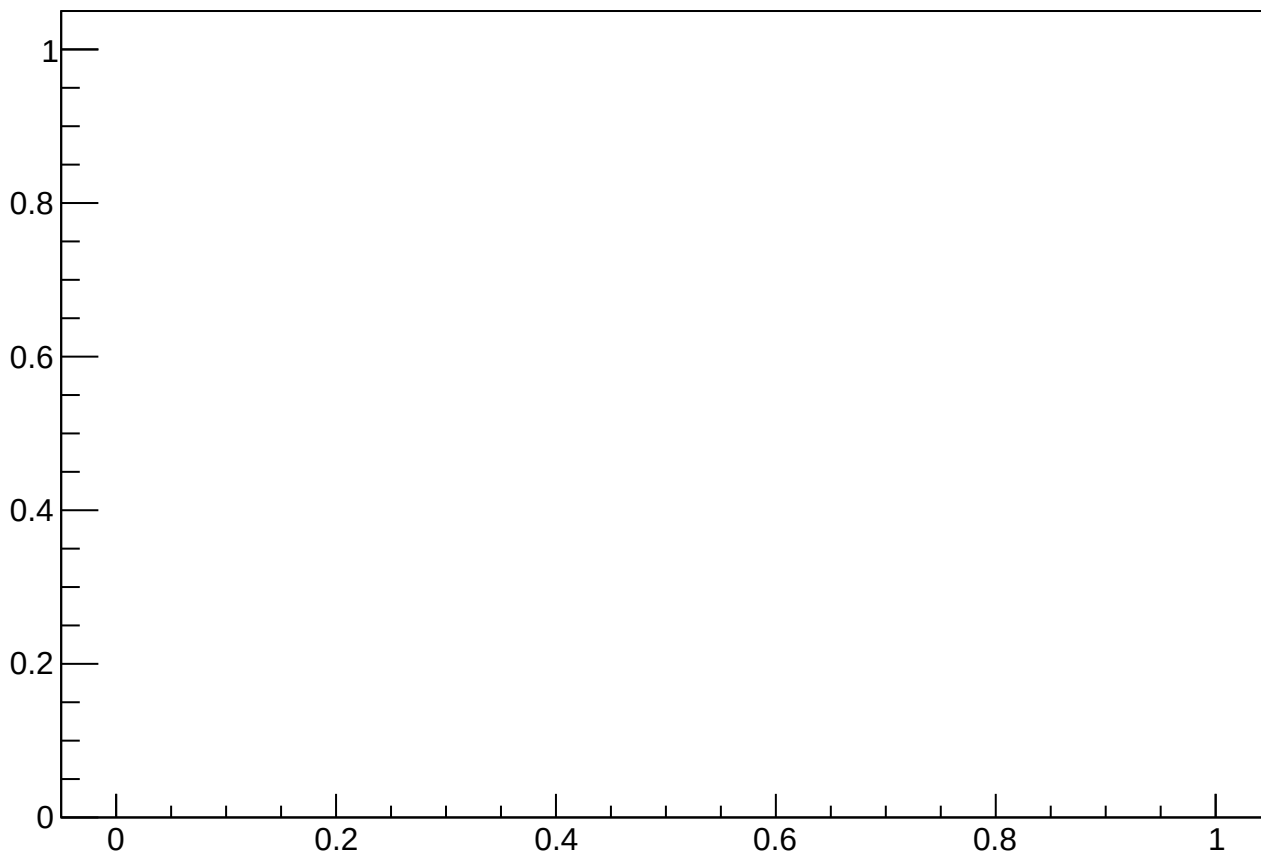
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atl2\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr1\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

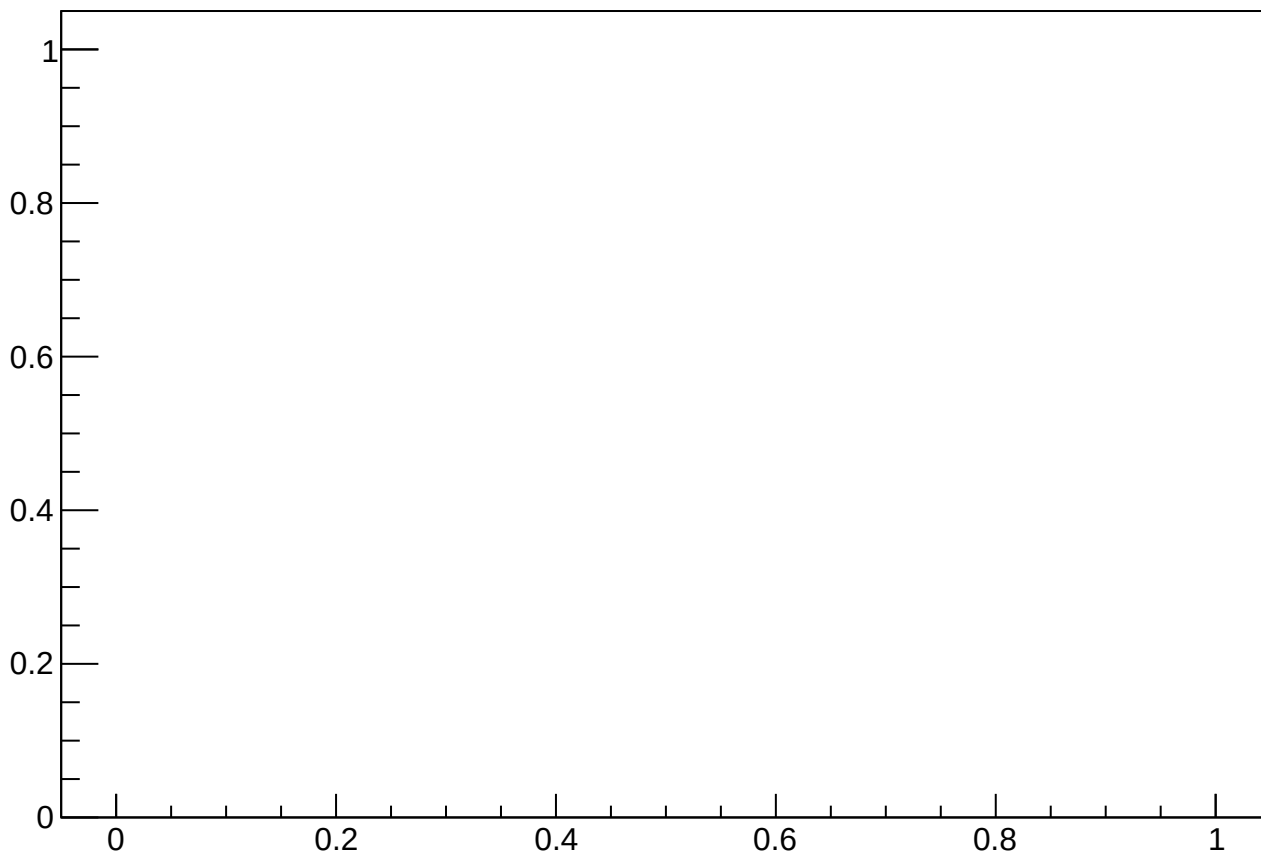
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atr2\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

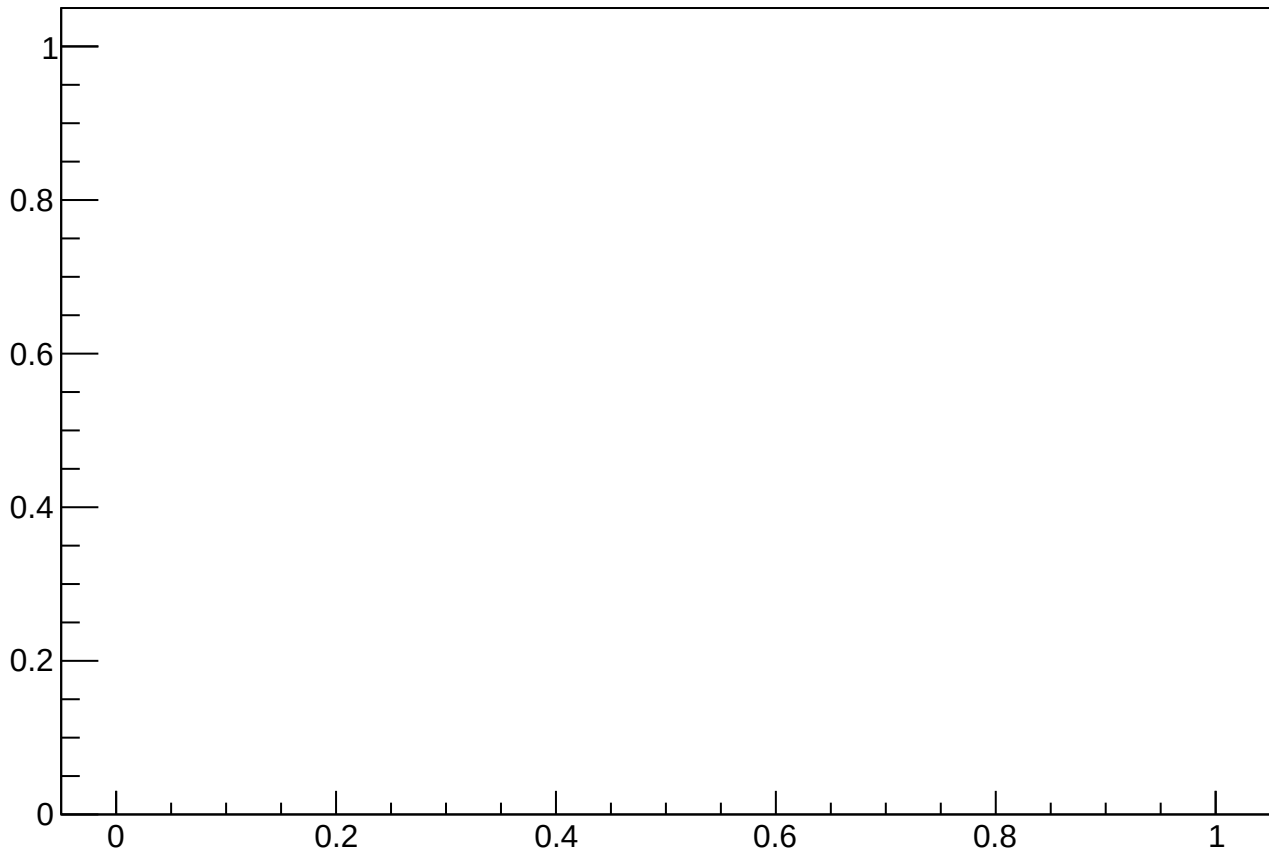
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_atr2\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

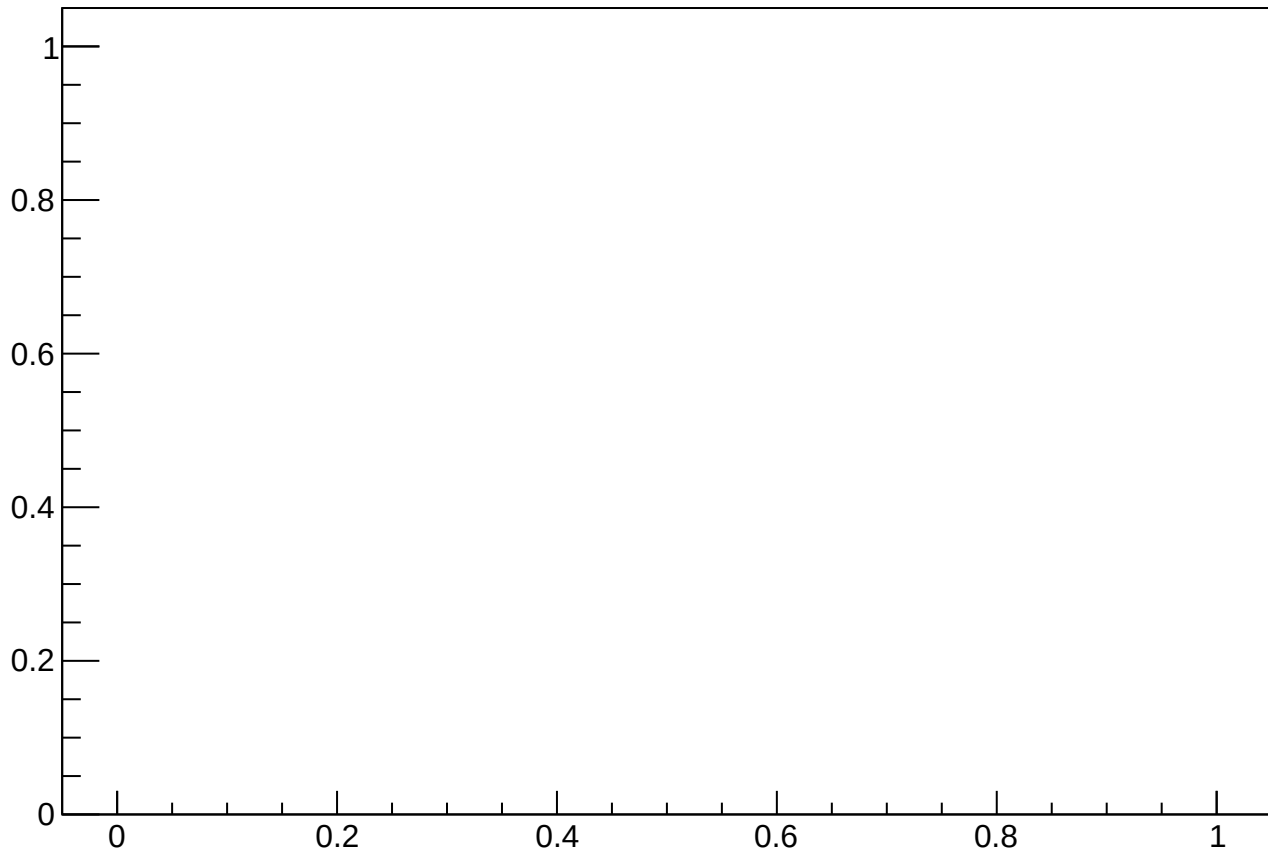
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam1\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

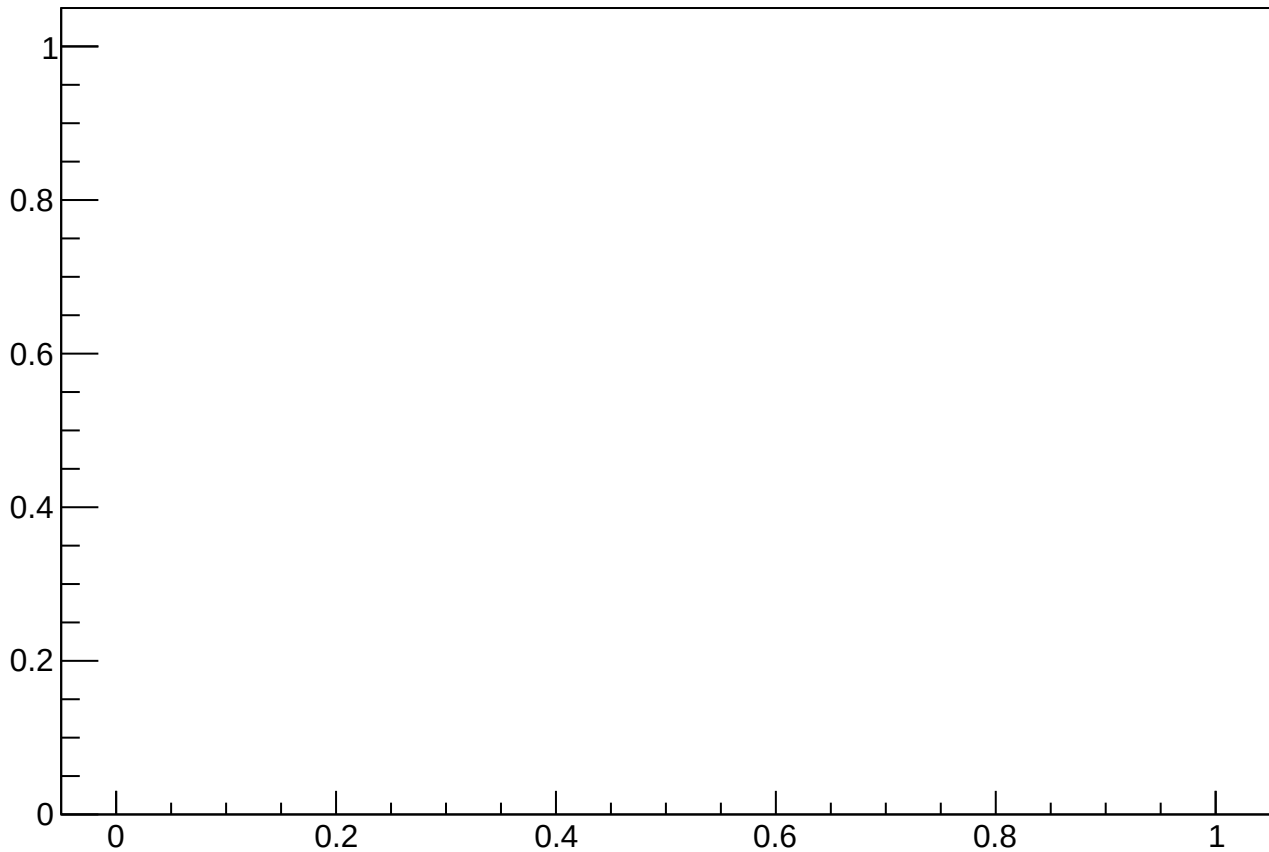
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam2\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam2\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam3\_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\_sam3\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam4\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam4\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_sam5\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_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\_sam6\_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\_sam6\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam8\_coil6\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam8\_coil6\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil6\_Ndata\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

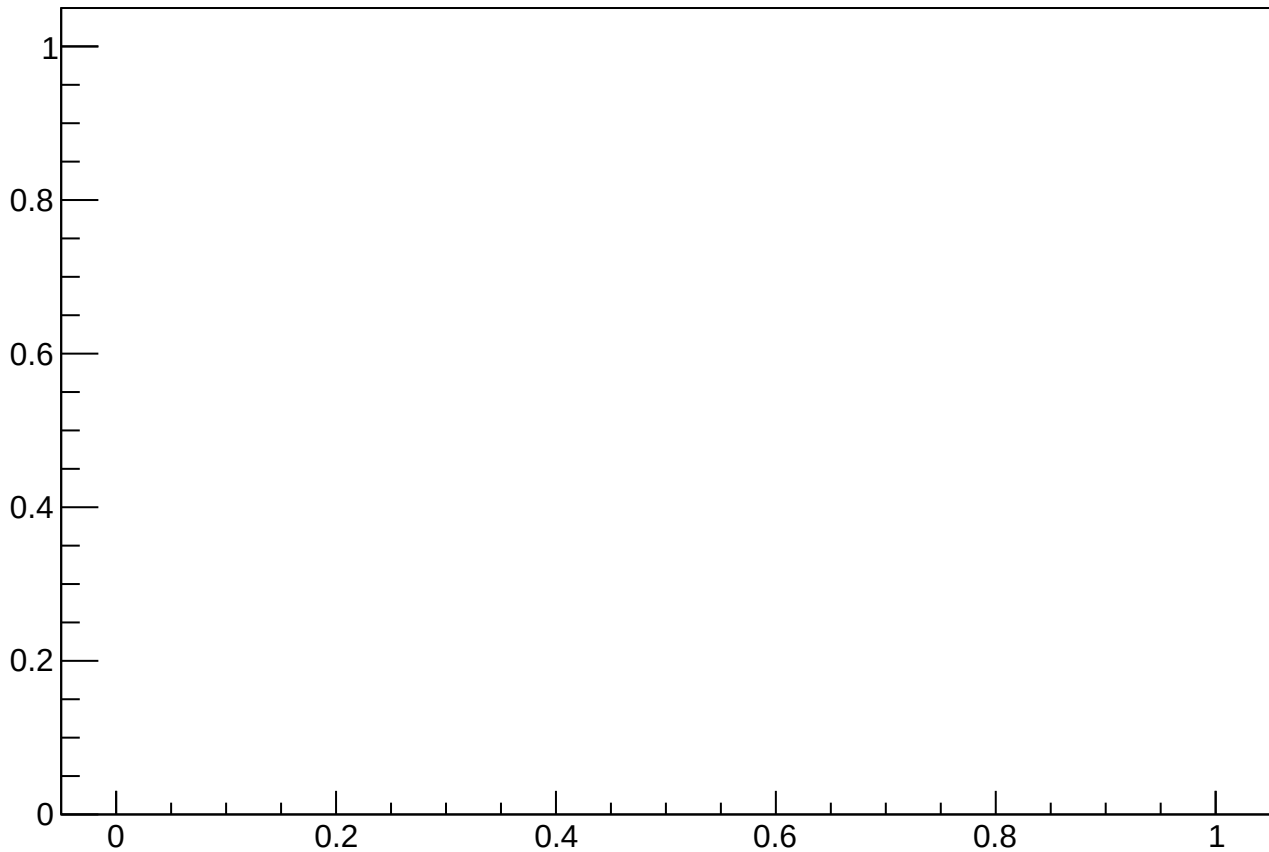
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_run\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

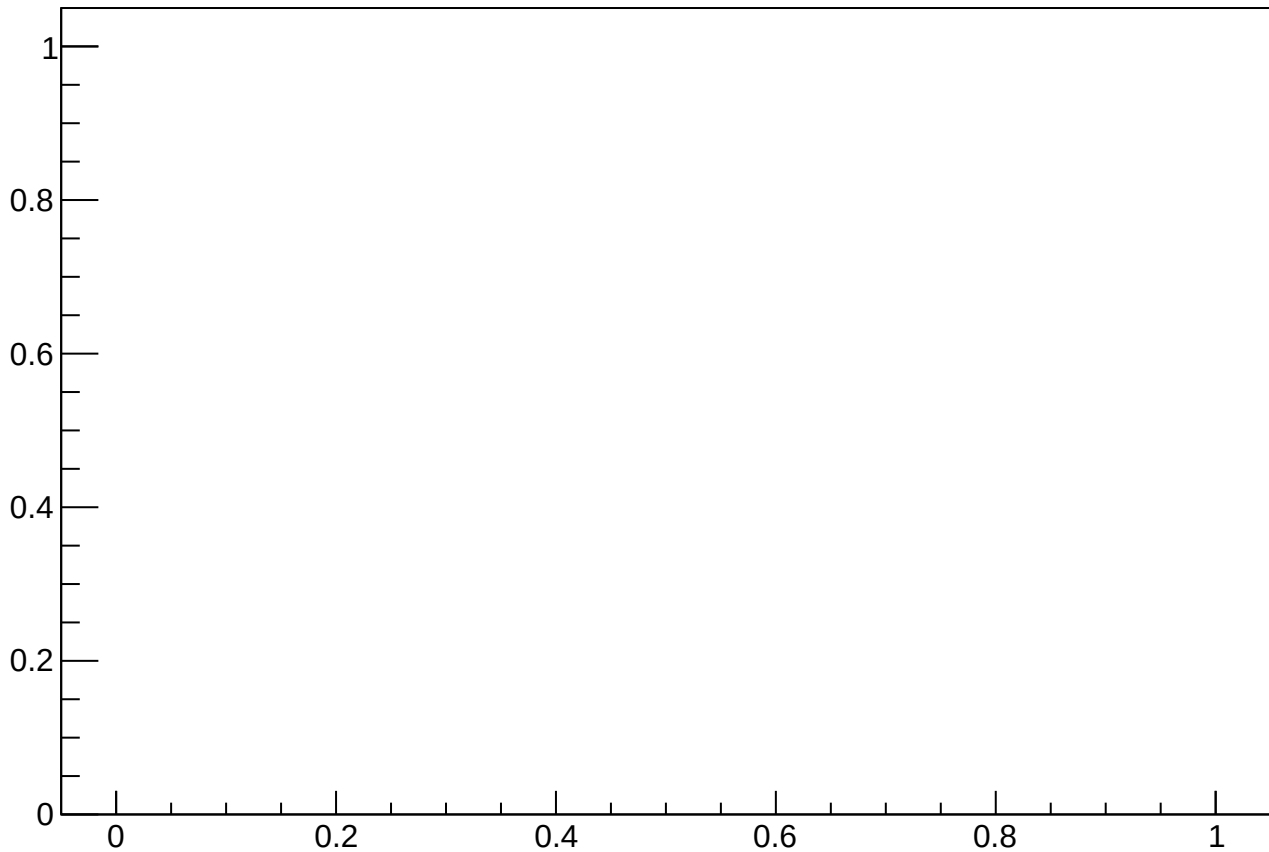
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_run\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_slug\_slope 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

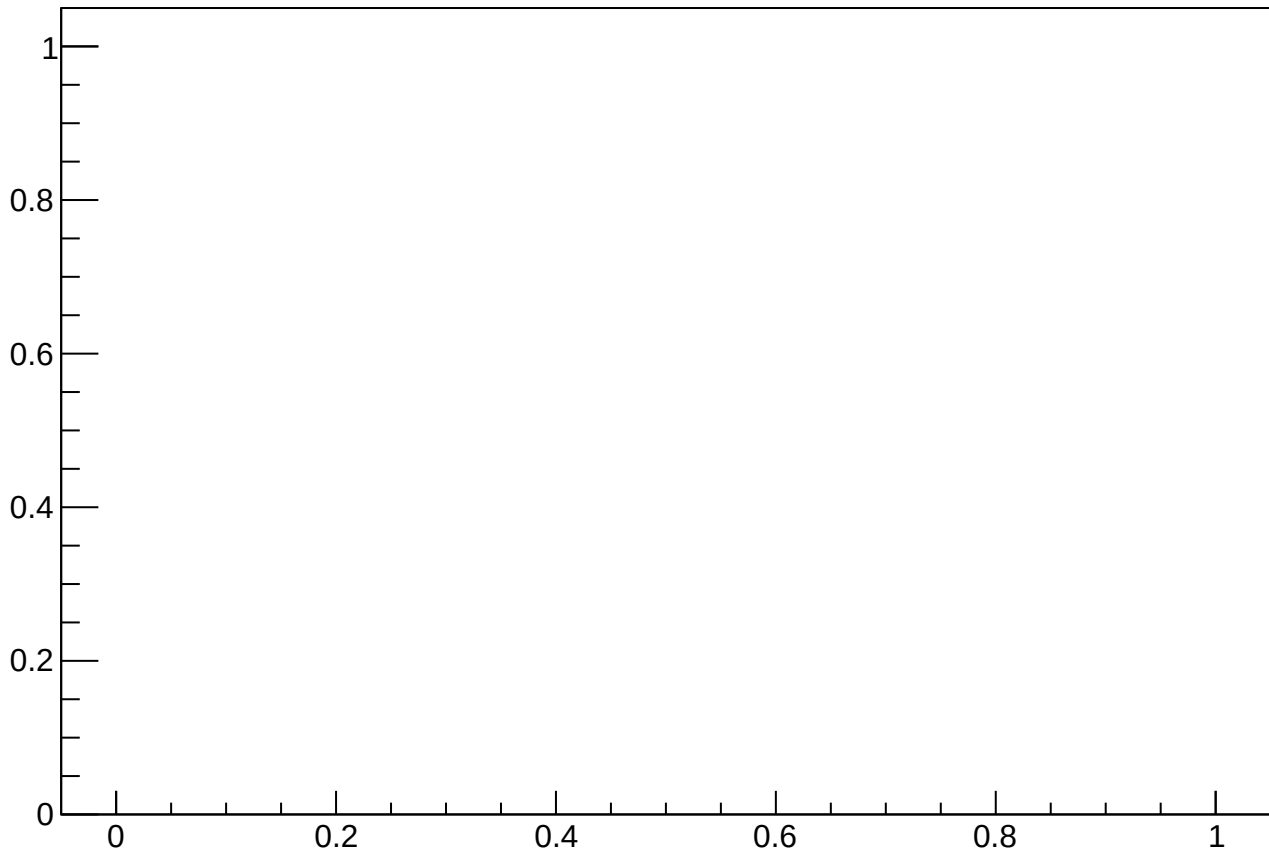
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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\_cyclenum\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_cyclenum\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

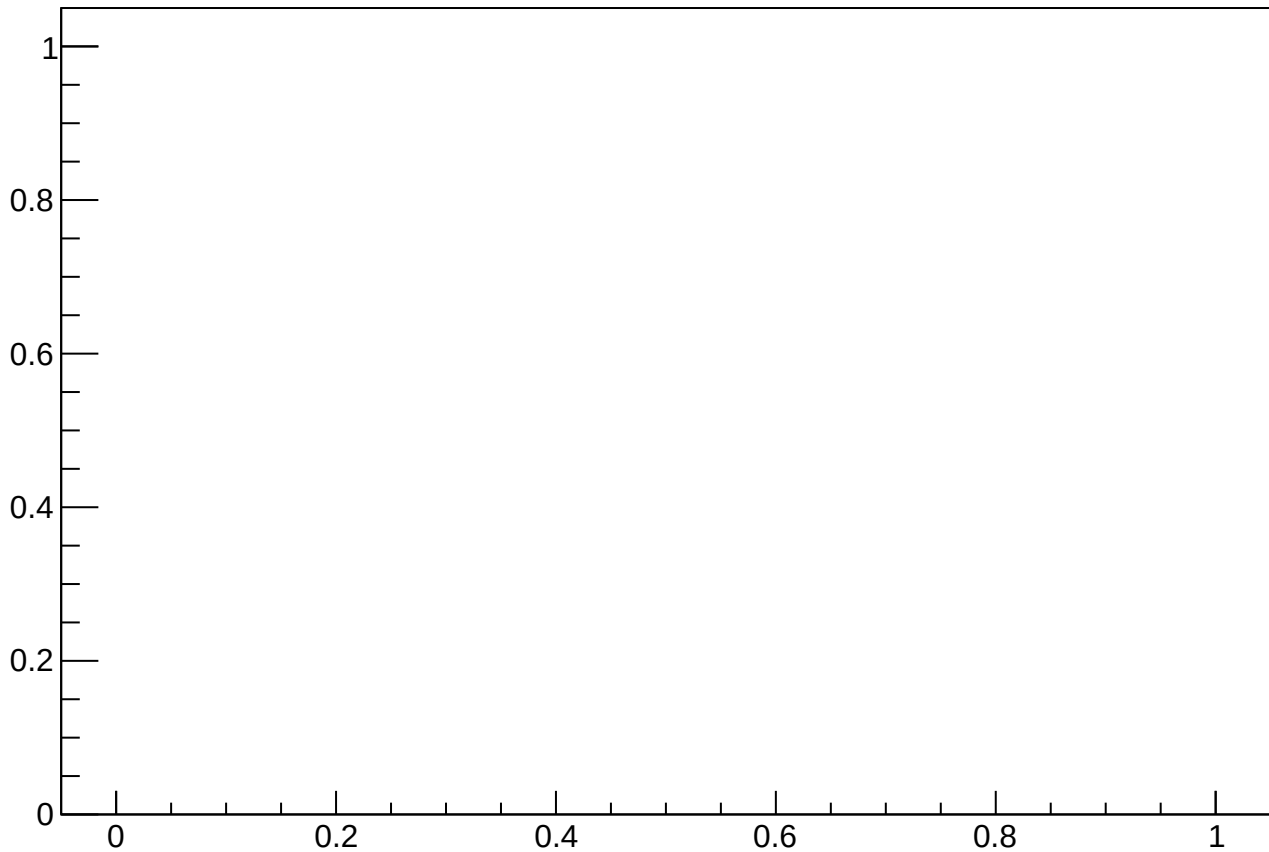
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_scandata1\_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

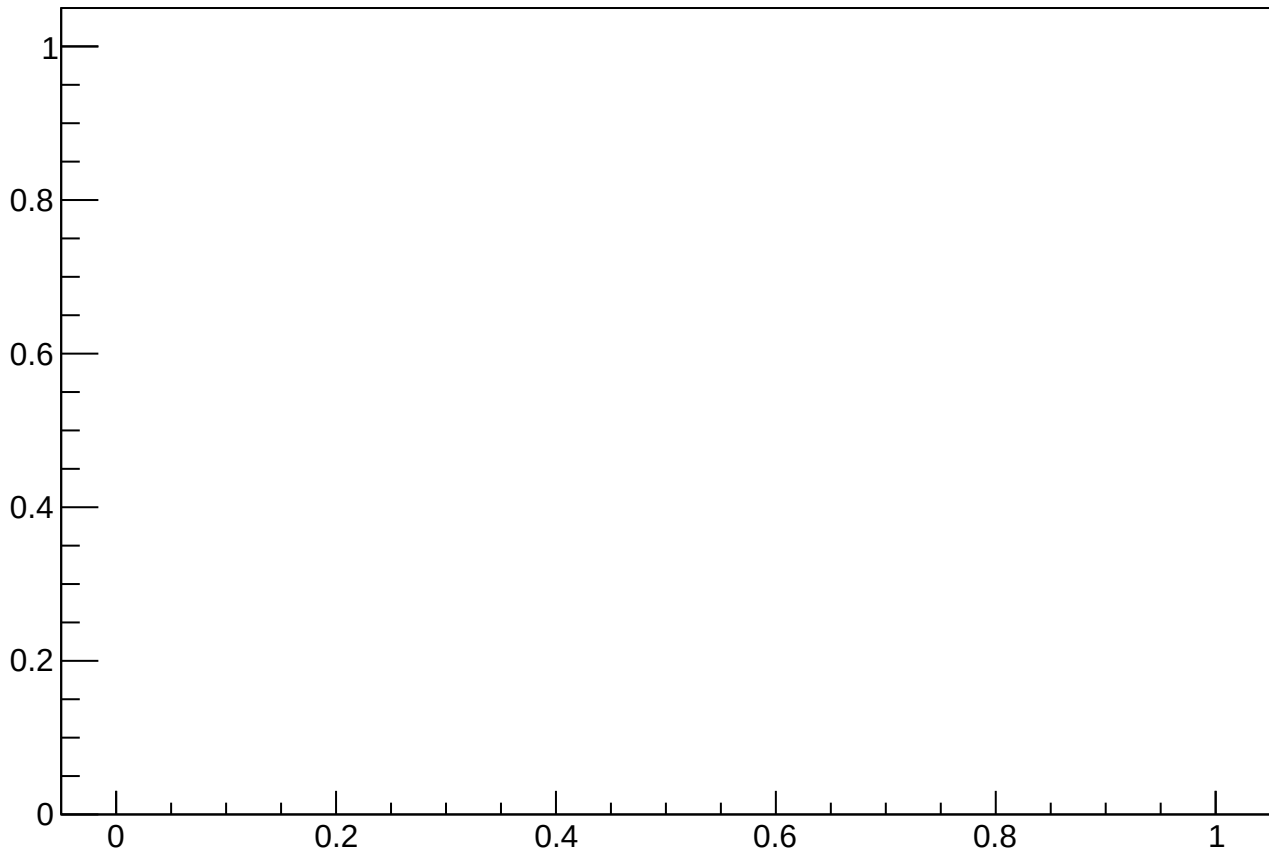
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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\_scandata1\_rms 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

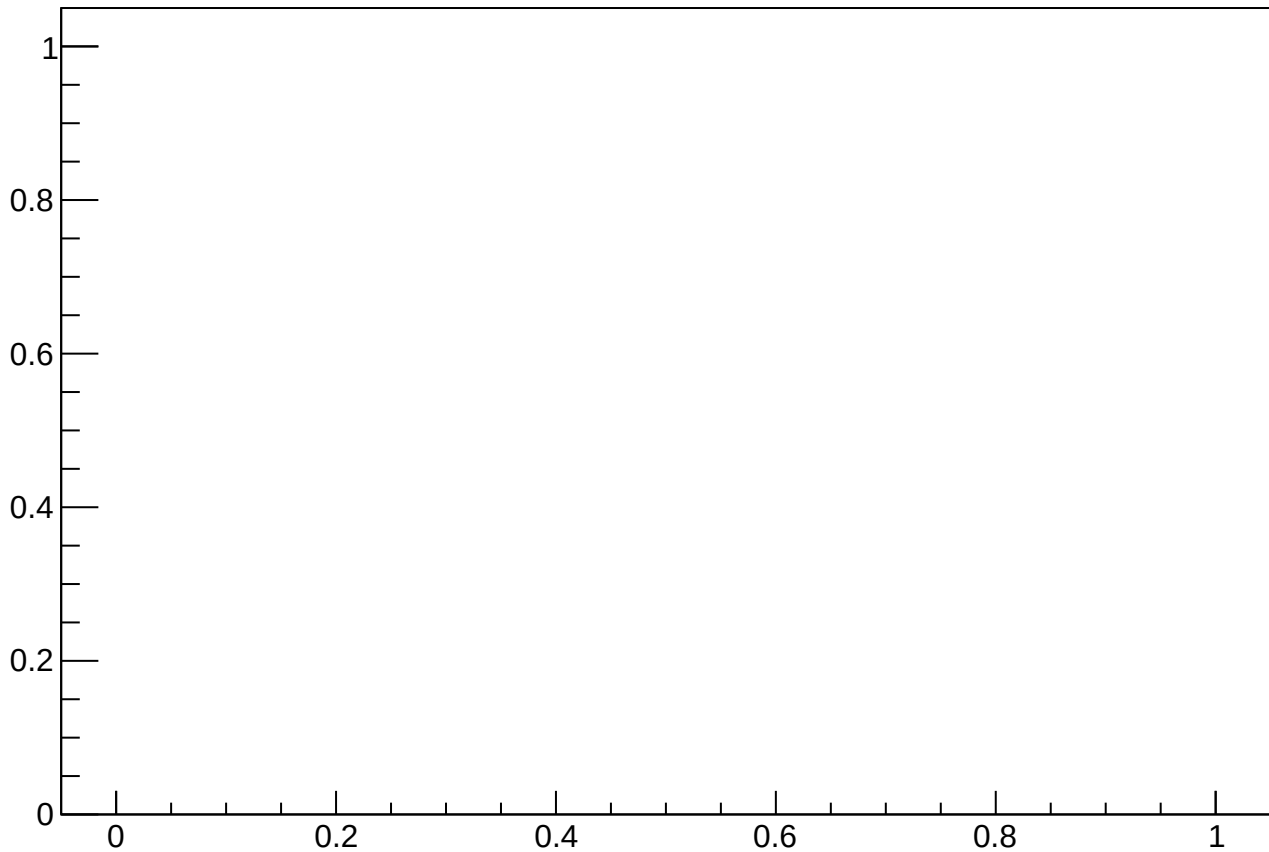
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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\_scandata2\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_rms vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

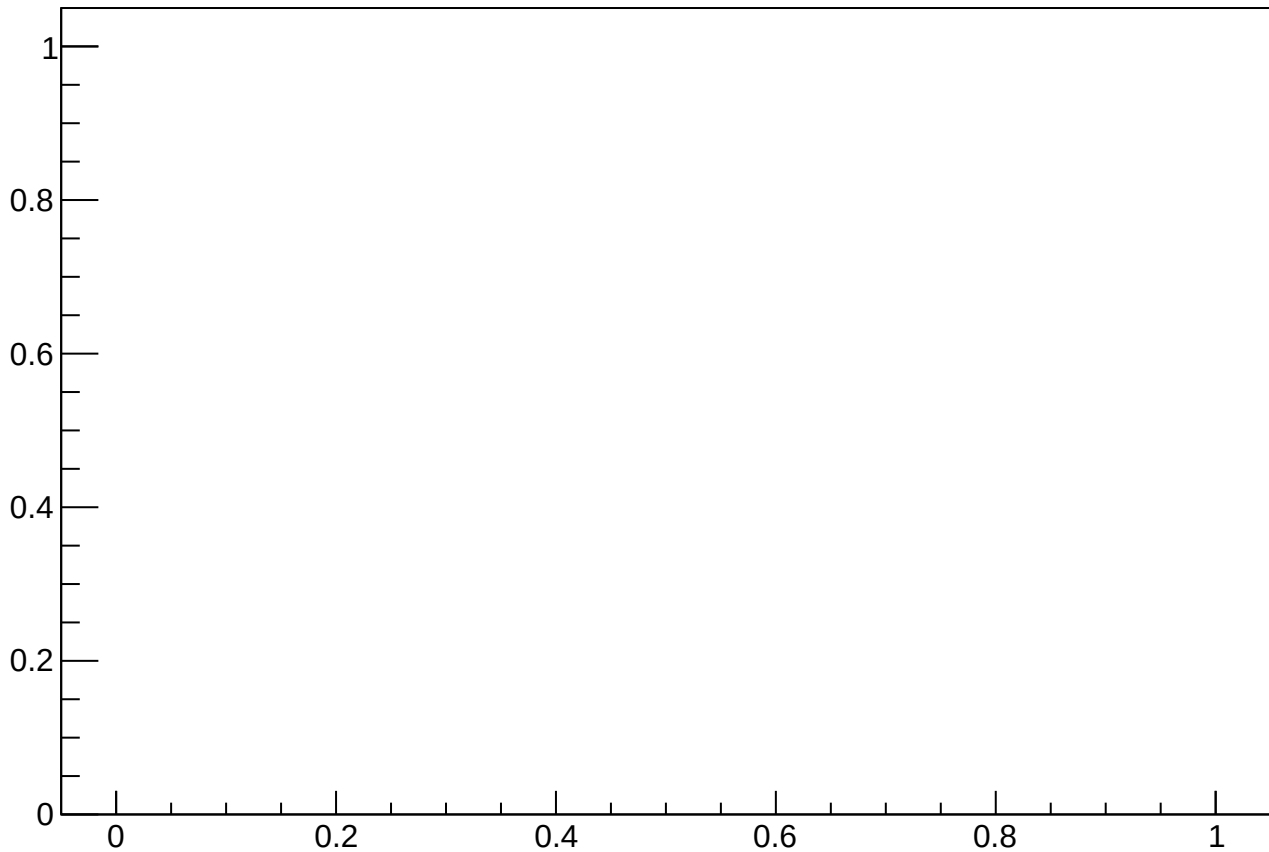
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

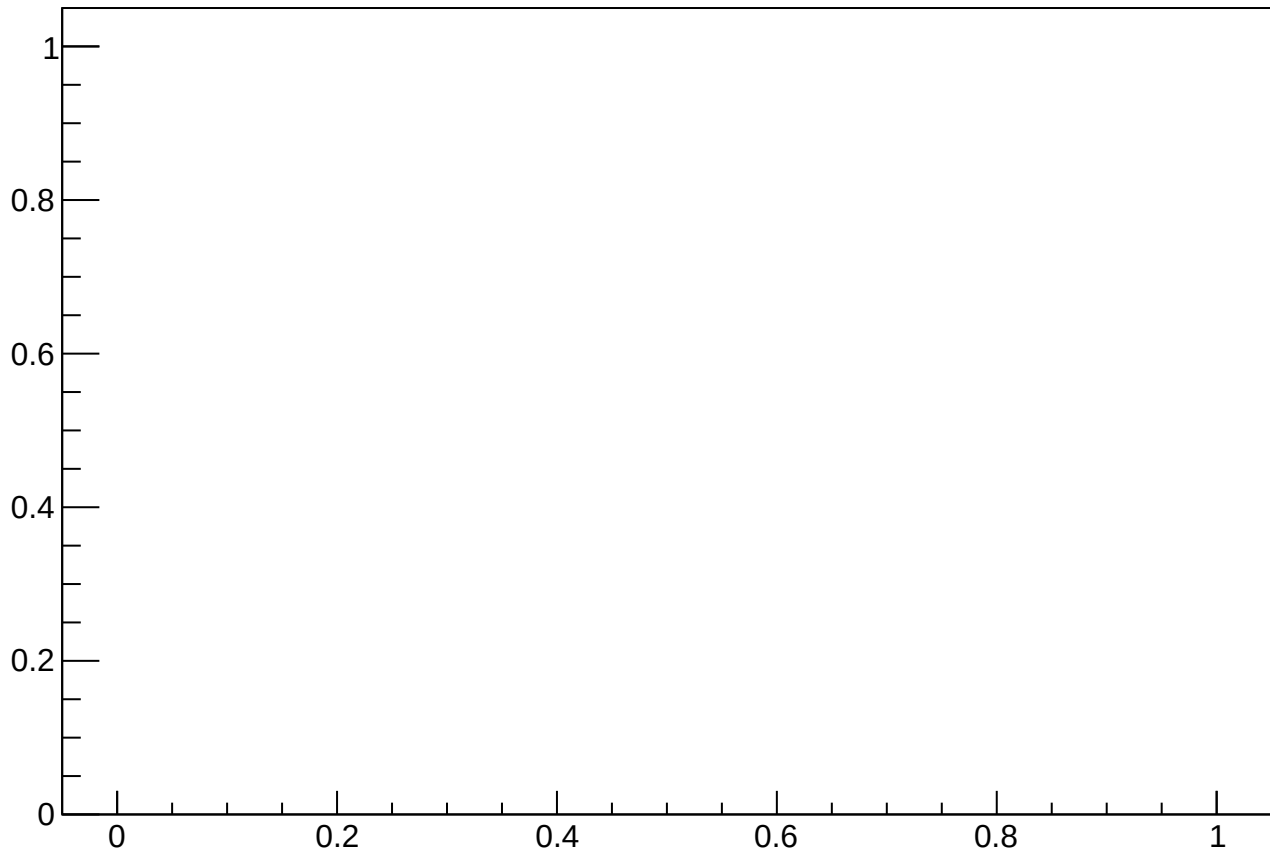
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_rms 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

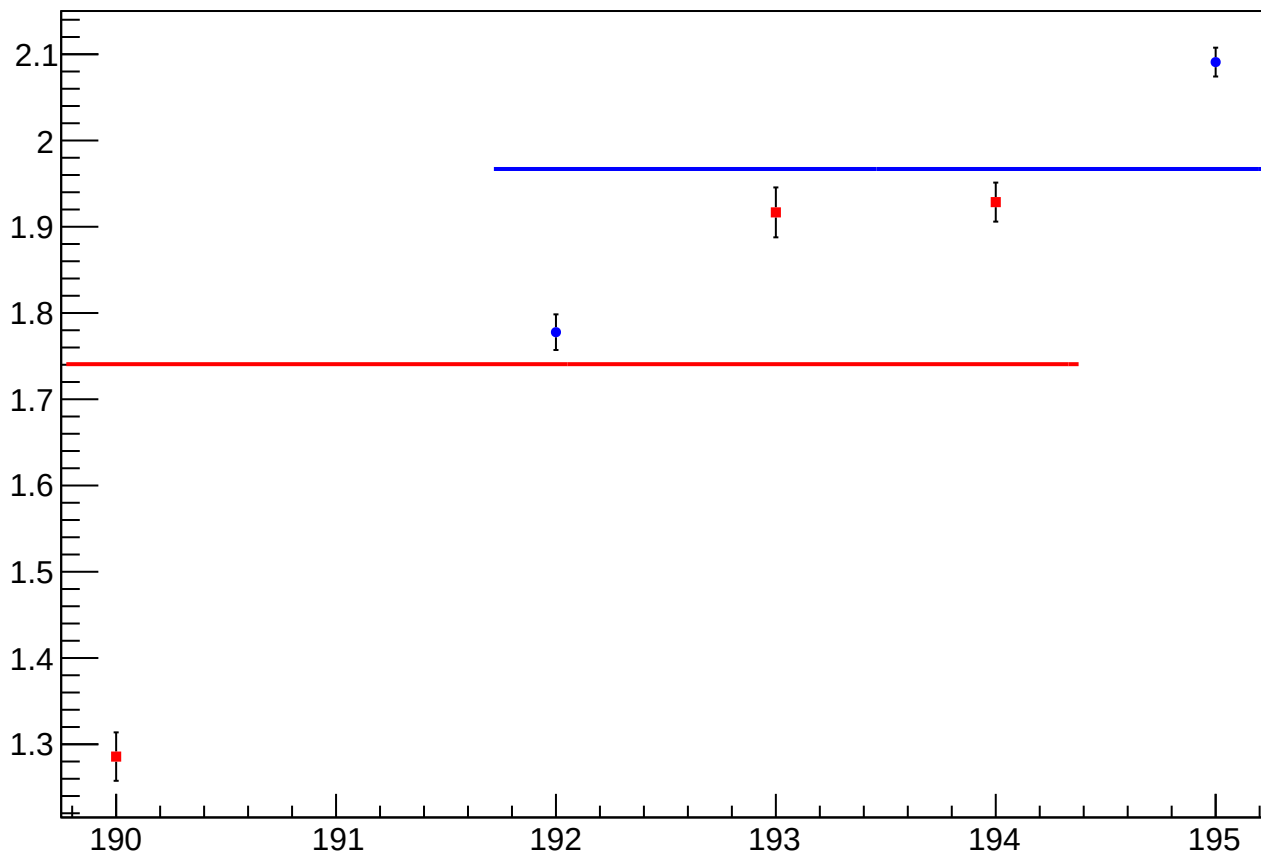
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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\_segment\_slope vs Slug



Right In: 1.967 $\pm$ 0.013  $\chi^2$ /NDF: 138.8/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.741 $\pm$ 0.015  $\chi^2$ /NDF: 368.7/2

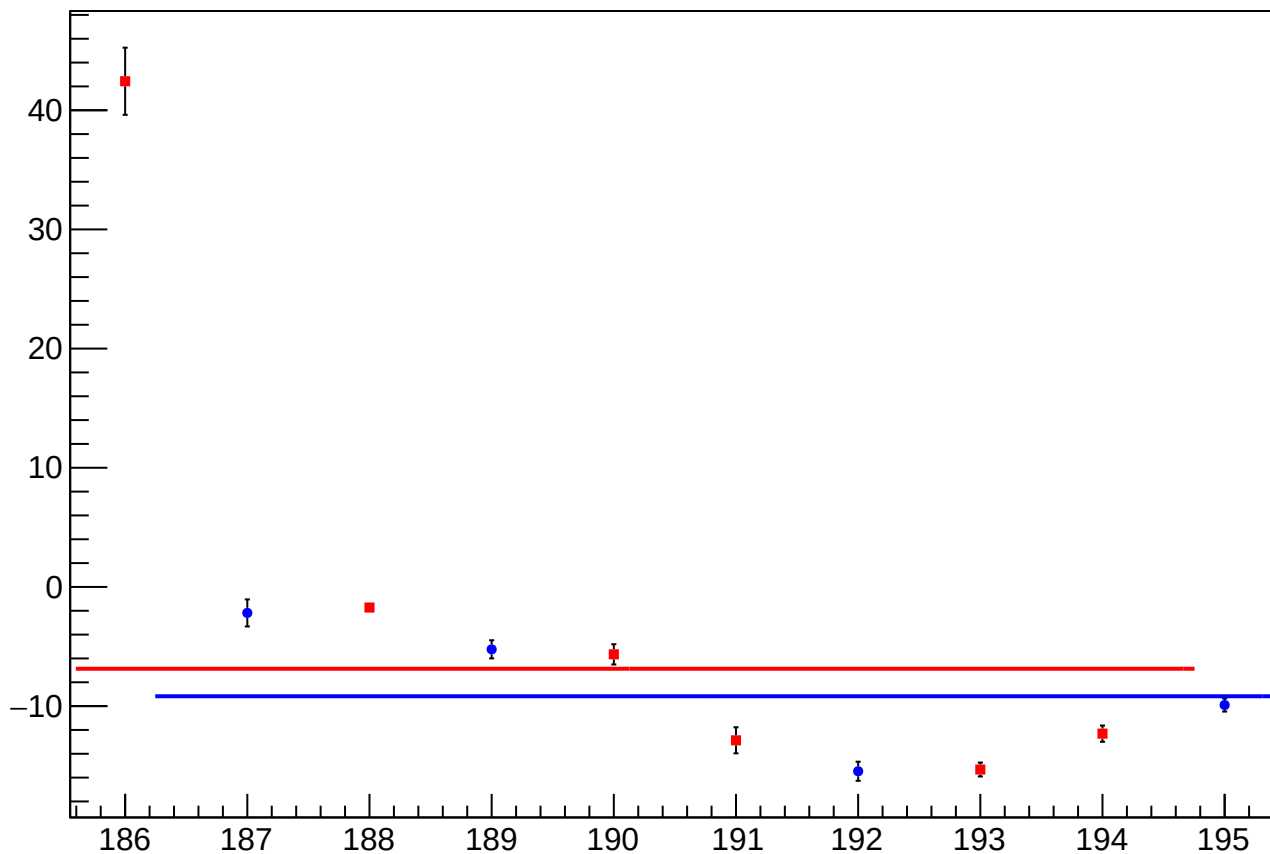
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.870 $\pm$ 0.010  $\chi^2$ /NDF: 637.1/4

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam1\_diff\_bpm1X\_slope vs Slug



Right In:  $-9.173 \pm 0.369$   $\chi^2/\text{NDF}$ : 128.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-6.865 \pm 0.267$   $\chi^2/\text{NDF}$ : 784.6/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

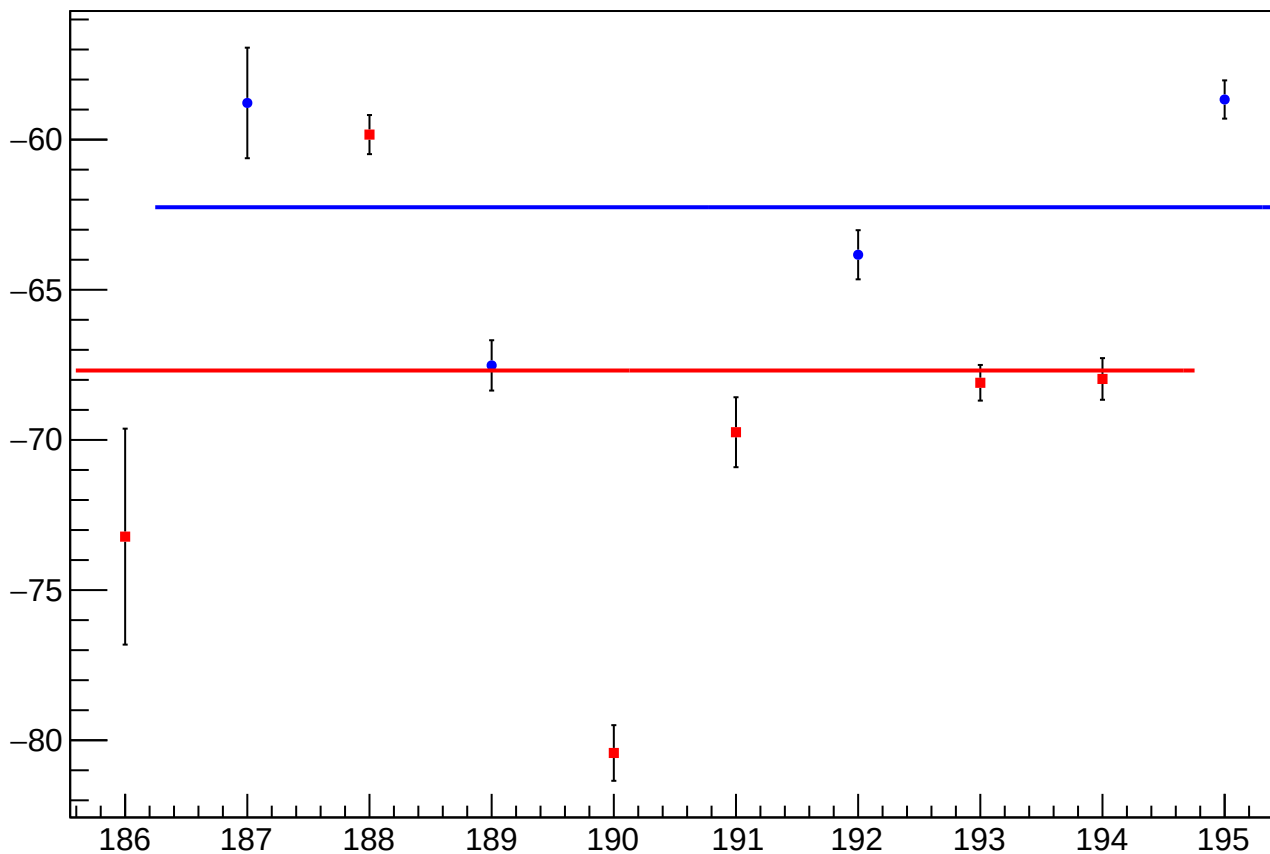
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-7.661 \pm 0.216$   $\chi^2/\text{NDF}$ : 938.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug



Right In:  $-62.252 \pm 0.420$   $\chi^2/\text{NDF}$ : 78.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-67.688 \pm 0.329$   $\chi^2/\text{NDF}$ : 340.7/5

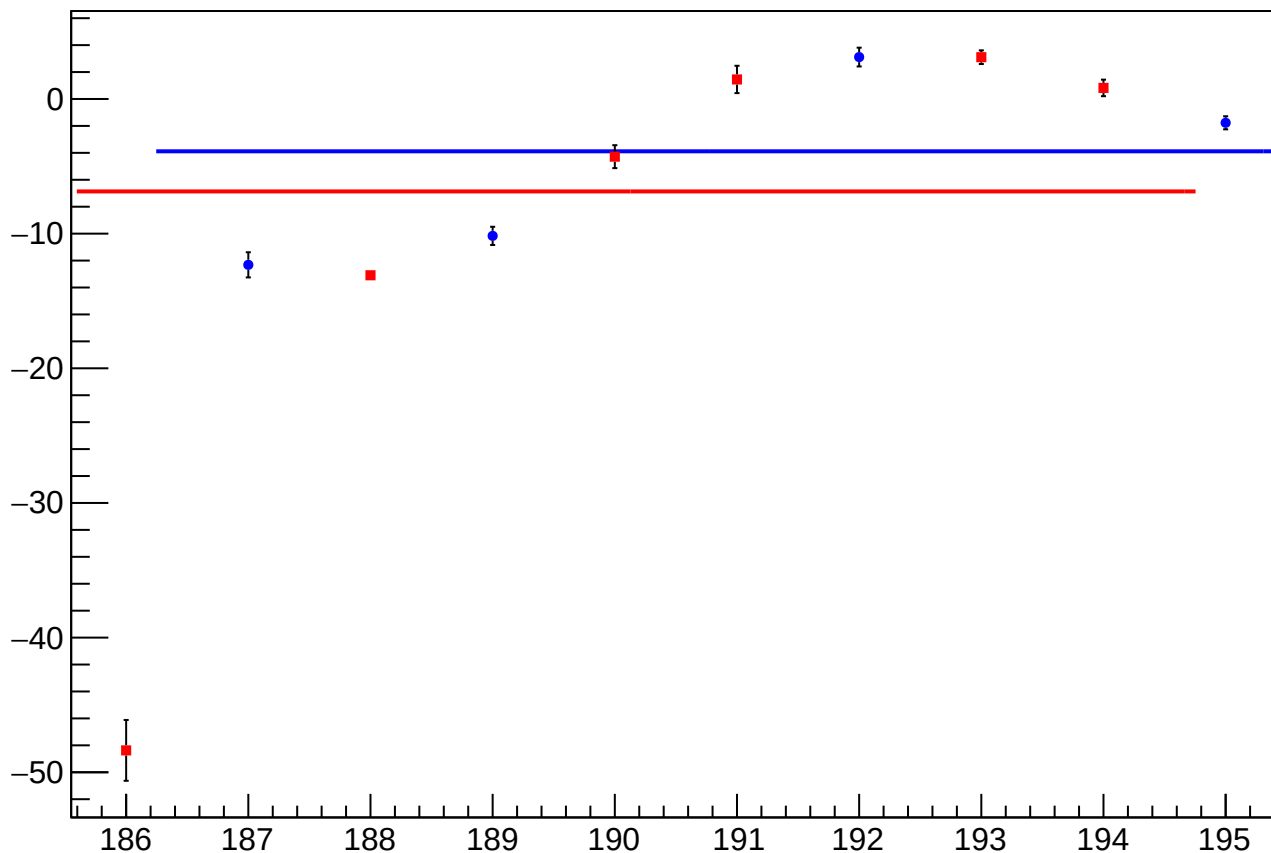
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-65.621 \pm 0.259$   $\chi^2/\text{NDF}$ : 523.2/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug



Right In:  $-3.886 \pm 0.322$   $\chi^2/\text{NDF}$ : 287.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-6.865 \pm 0.229$   $\chi^2/\text{NDF}$ : 1344.8/5

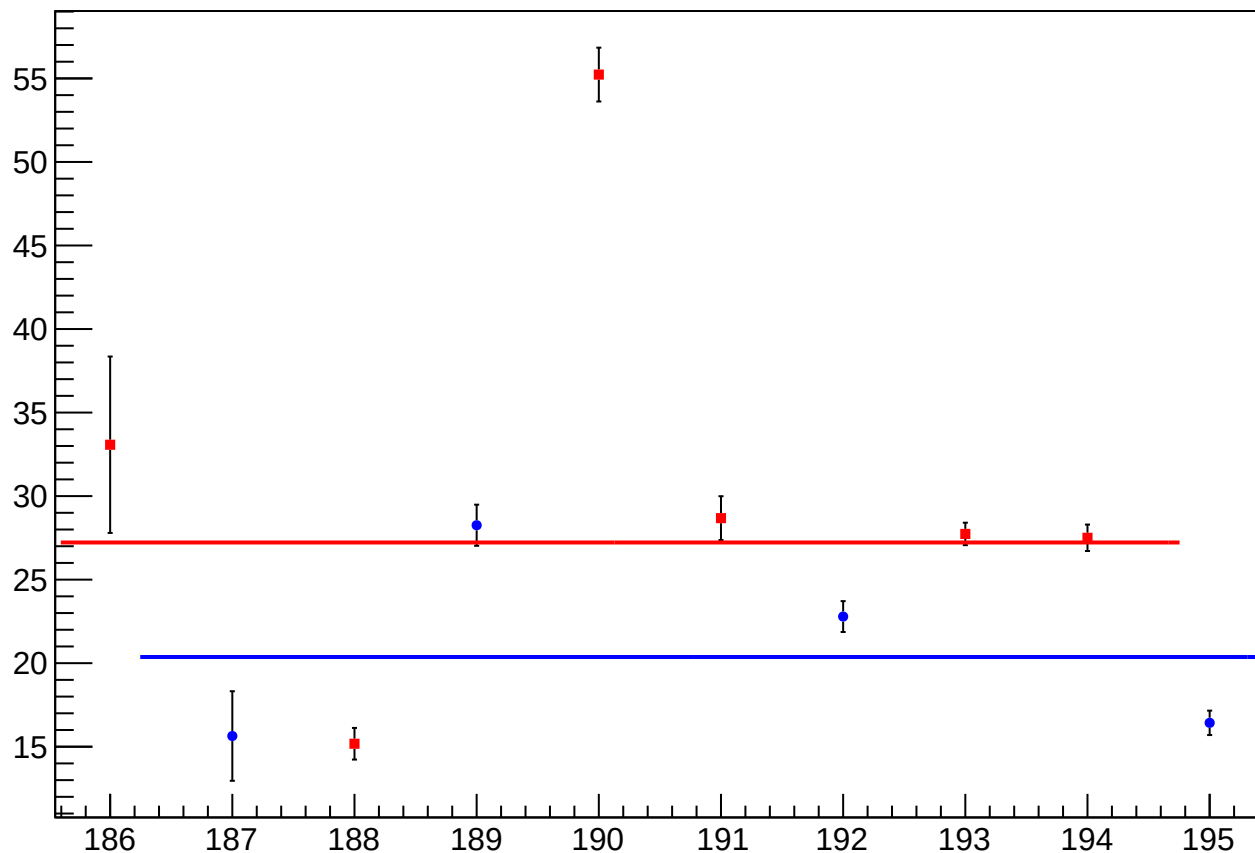
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-5.867 \pm 0.187$   $\chi^2/\text{NDF}$ : 1688.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug



Right In: 20.369 $\pm$ 0.510  $\chi^2$ /NDF: 80.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 27.224 $\pm$ 0.411  $\chi^2$ /NDF: 467.4/5

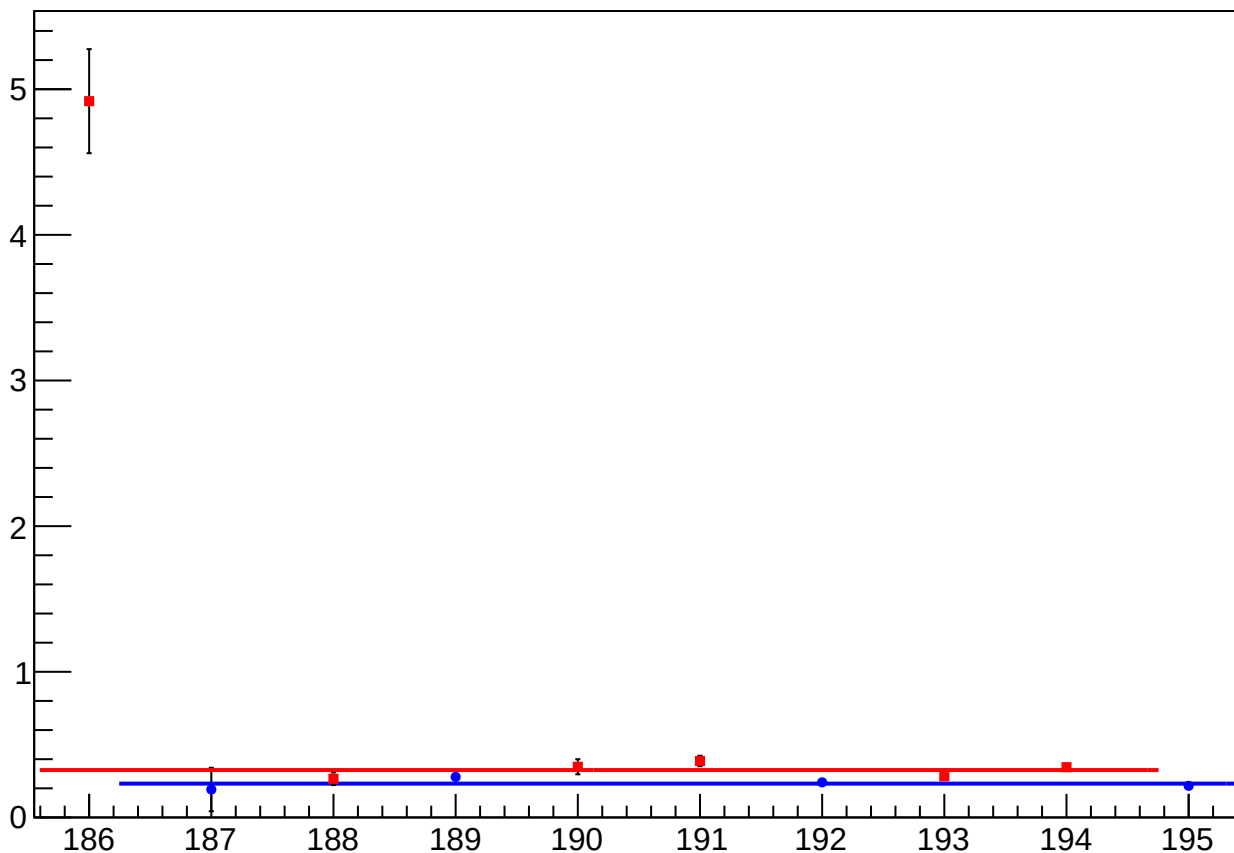
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 24.527 $\pm$ 0.320  $\chi^2$ /NDF: 657.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug



Right In:  $0.232 \pm 0.016$   $\chi^2/\text{NDF}$ : 1.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.325 \pm 0.013$   $\chi^2/\text{NDF}$ : 175.3/5

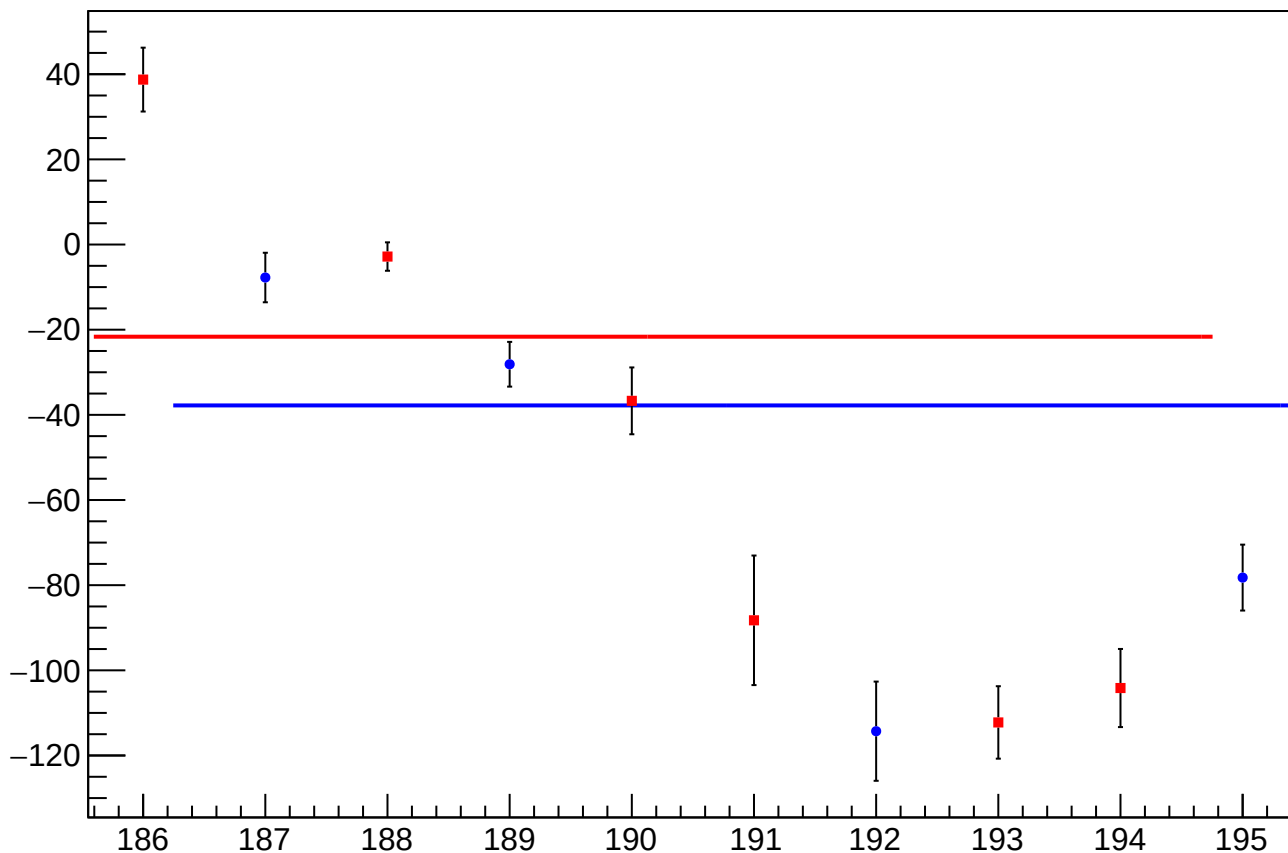
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.288 \pm 0.010$   $\chi^2/\text{NDF}$ : 197.2/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam2\_diff\_bpm1X\_slope vs Slug



Right In:  $-37.786 \pm 3.336$   $\chi^2/\text{NDF}$ : 100.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-21.646 \pm 2.549$   $\chi^2/\text{NDF}$ : 313.8/5

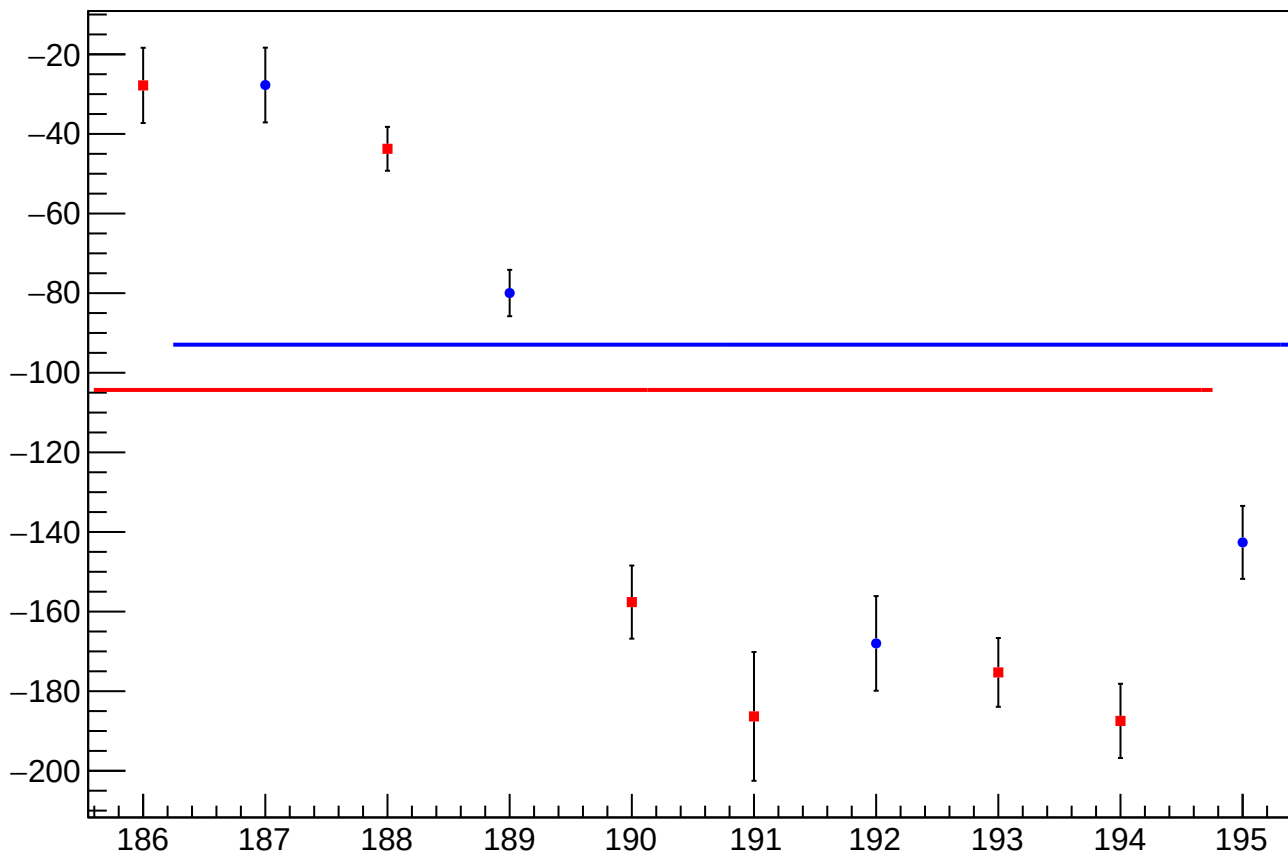
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-27.597 \pm 2.026$   $\chi^2/\text{NDF}$ : 429.0/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug



Right In: -92.941 $\pm$ 4.089  $\chi^2$ /NDF: 122.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -104.315 $\pm$ 3.437  $\chi^2$ /NDF: 392.6/5

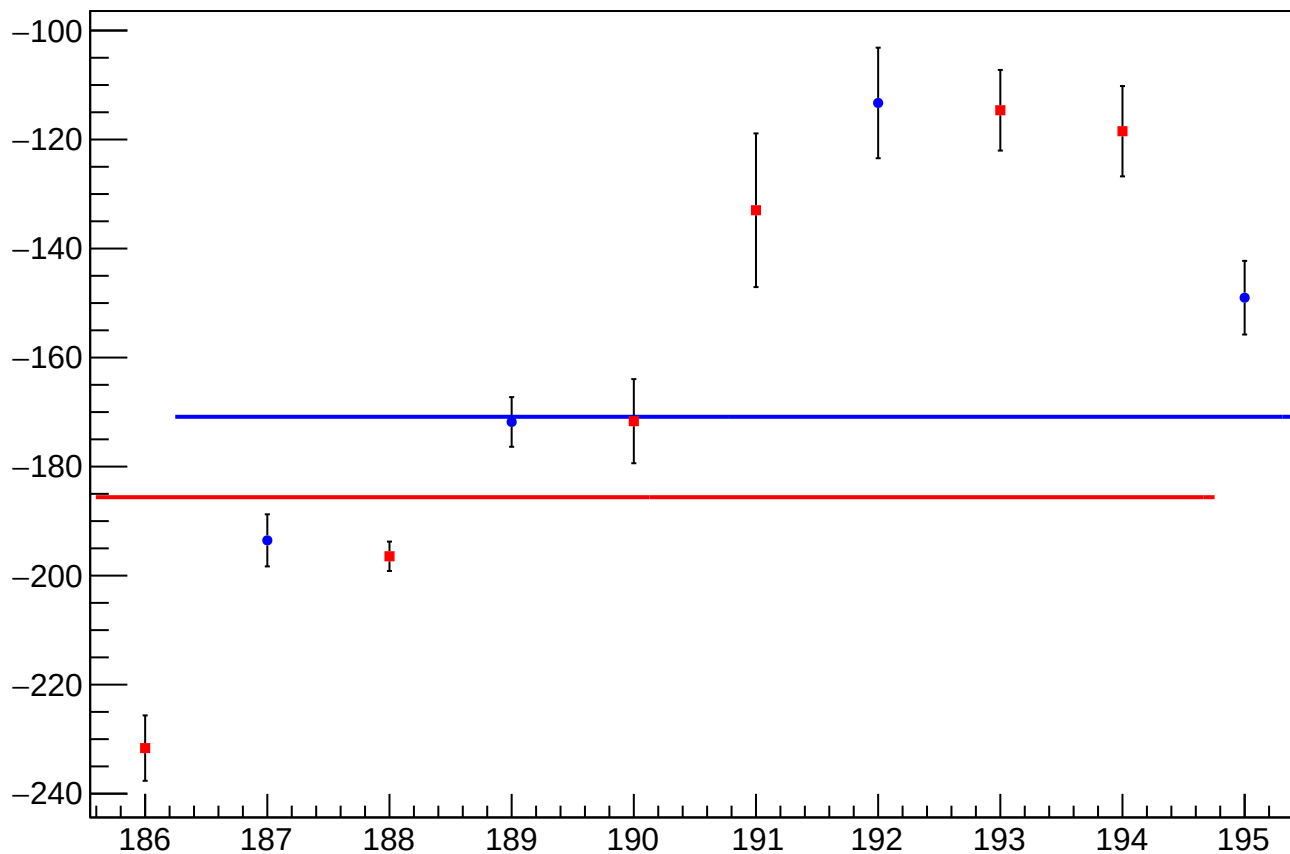
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -99.607 $\pm$ 2.631  $\chi^2$ /NDF: 519.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug



Right In:  $-170.862 \pm 2.844$   $\chi^2/\text{NDF}$ : 65.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-185.611 \pm 2.130$   $\chi^2/\text{NDF}$ : 250.1/5

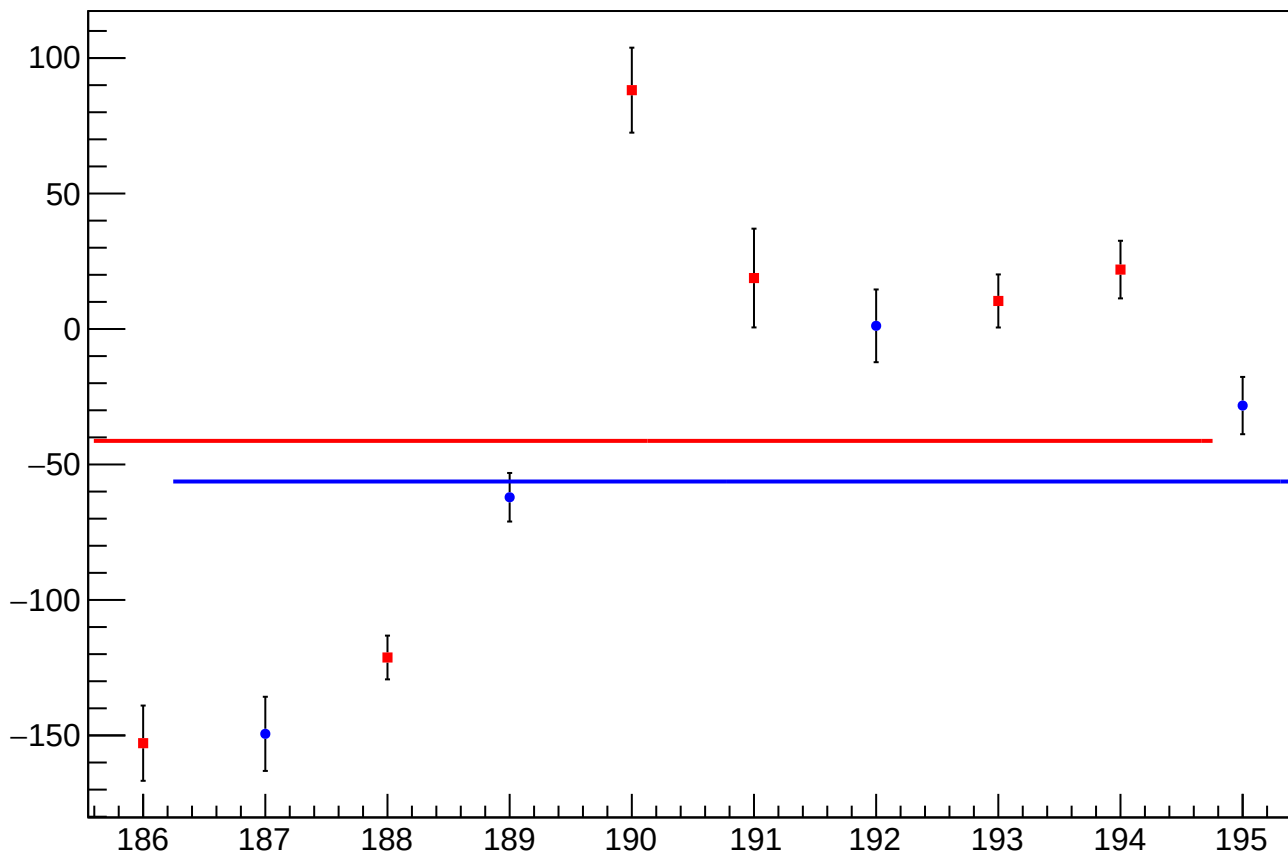
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-180.310 \pm 1.705$   $\chi^2/\text{NDF}$ : 332.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug



Right In: -56.285 $\pm$ 5.566  $\chi^2$ /NDF: 72.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -41.292 $\pm$ 4.619  $\chi^2$ /NDF: 304.7/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

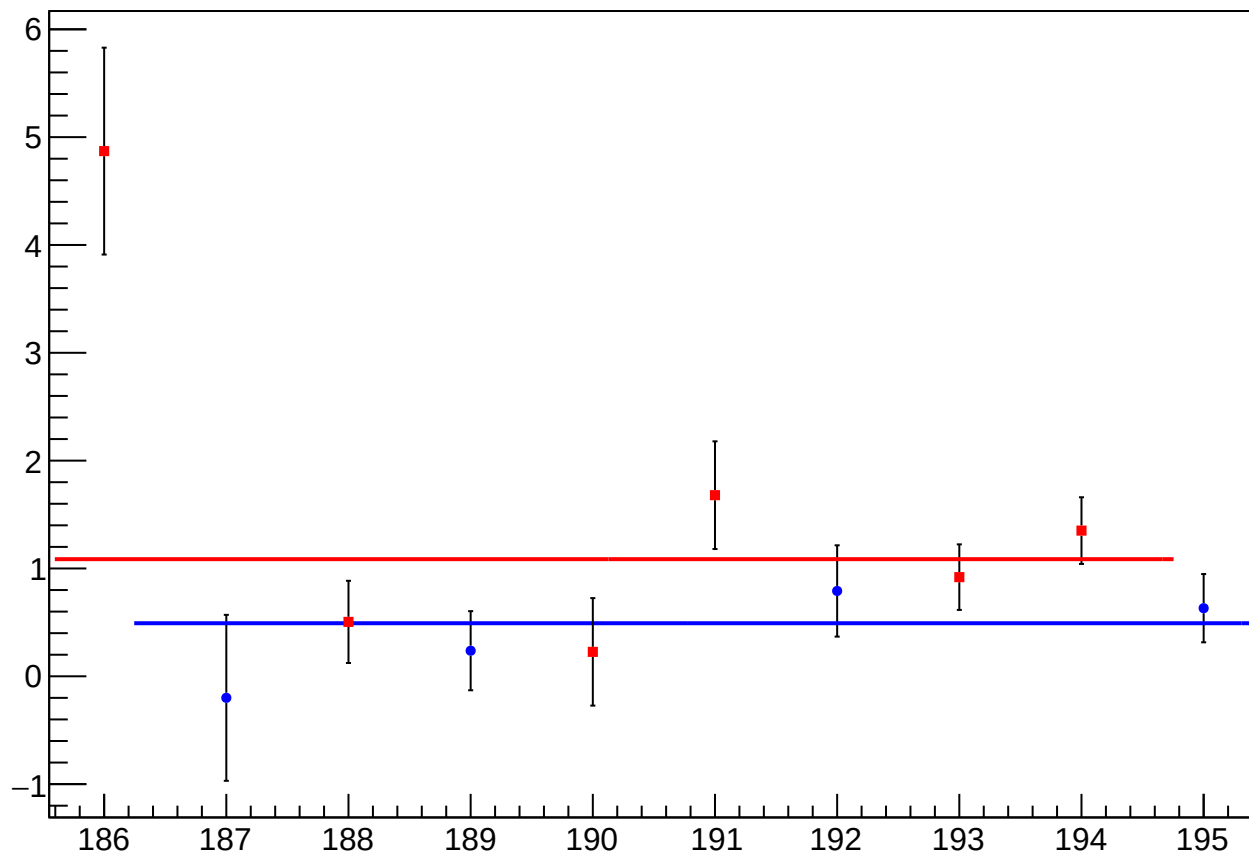
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -47.407 $\pm$ 3.554  $\chi^2$ /NDF: 381.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug



Right In:  $0.492 \pm 0.201$   $\chi^2/\text{NDF}$ : 2.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $1.086 \pm 0.164$   $\chi^2/\text{NDF}$ : 23.3/5

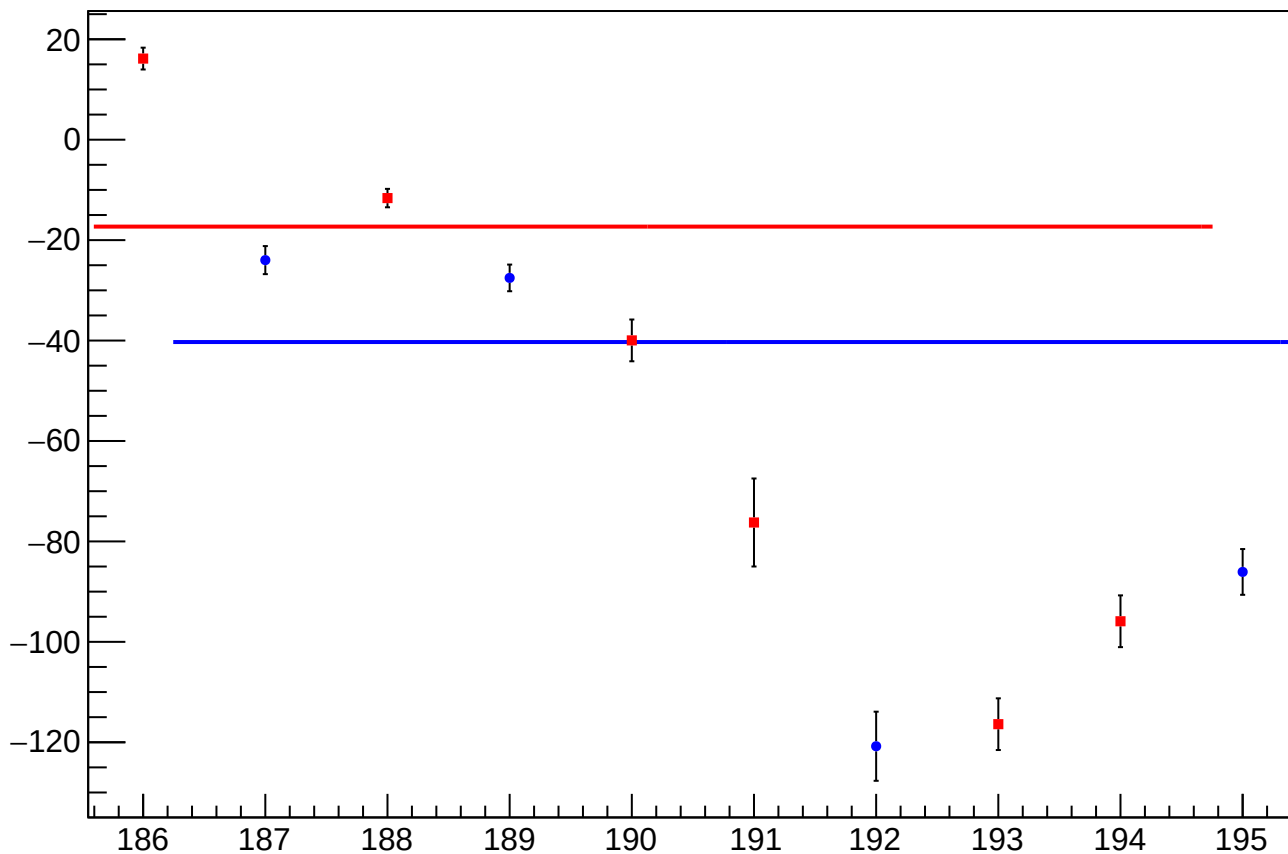
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.850 \pm 0.127$   $\chi^2/\text{NDF}$ : 30.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam3\_diff\_bpm1X\_slope vs Slug



Right In: -40.295+/-1.717  $\chi^2/\text{NDF}$ : 295.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -17.306+/-1.236  $\chi^2/\text{NDF}$ : 924.9/5

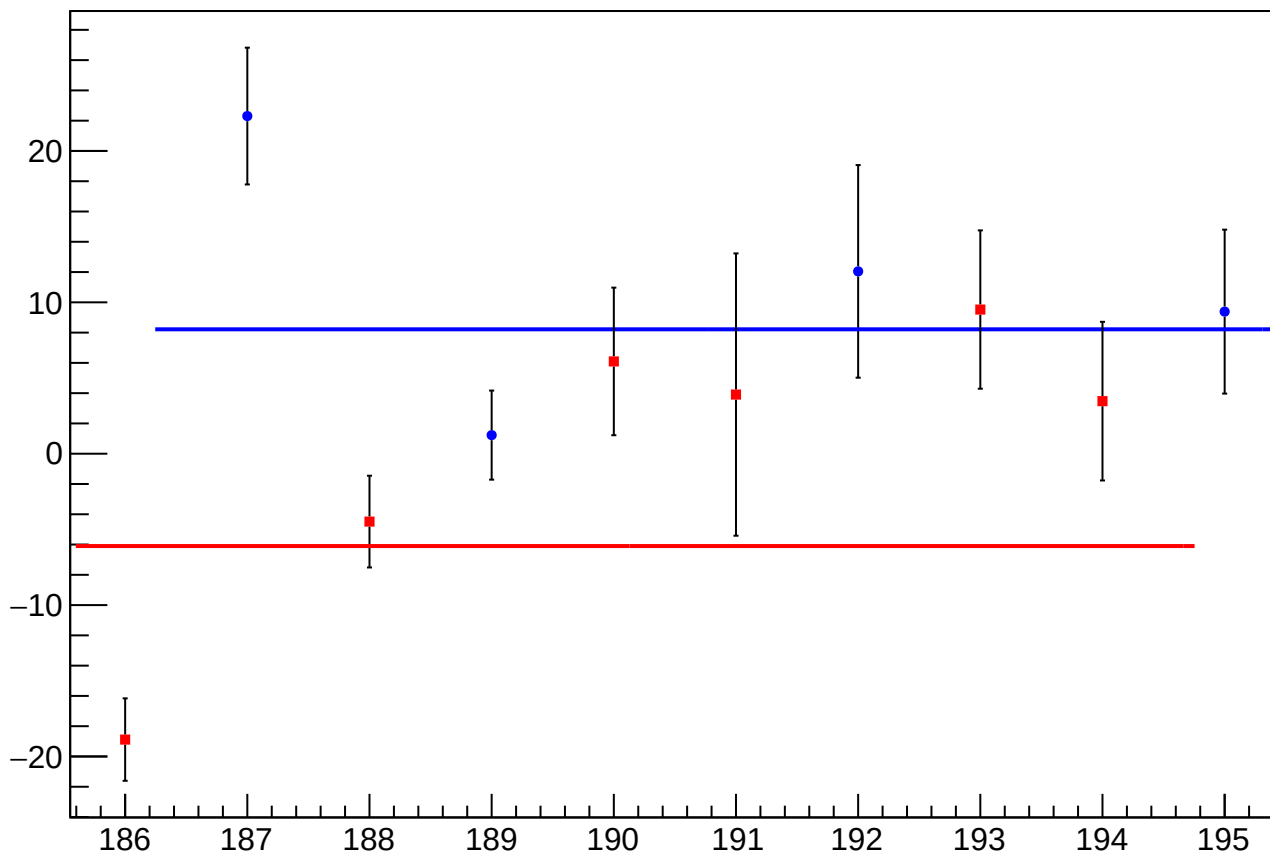
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -25.154+/-1.003  $\chi^2/\text{NDF}$ : 1338.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug



Right In: 8.218+/-2.137  $\chi^2/\text{NDF}$ : 15.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.100+/-1.643  $\chi^2/\text{NDF}$ : 42.0/5

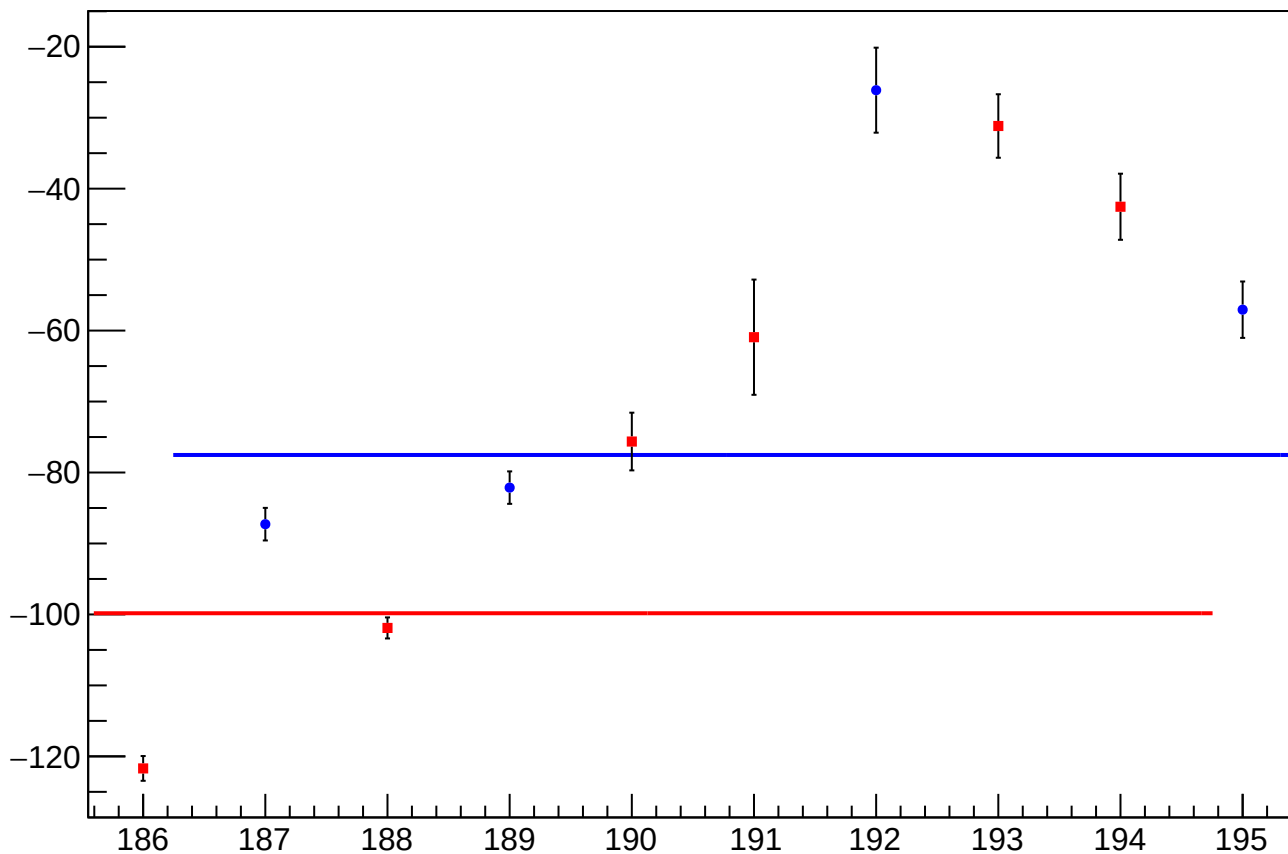
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.780+/-1.303  $\chi^2/\text{NDF}$ : 85.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug



Right In: -77.528 $\pm$ 1.455  $\chi^2$ /NDF: 122.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -99.832 $\pm$ 1.023  $\chi^2$ /NDF: 604.1/5

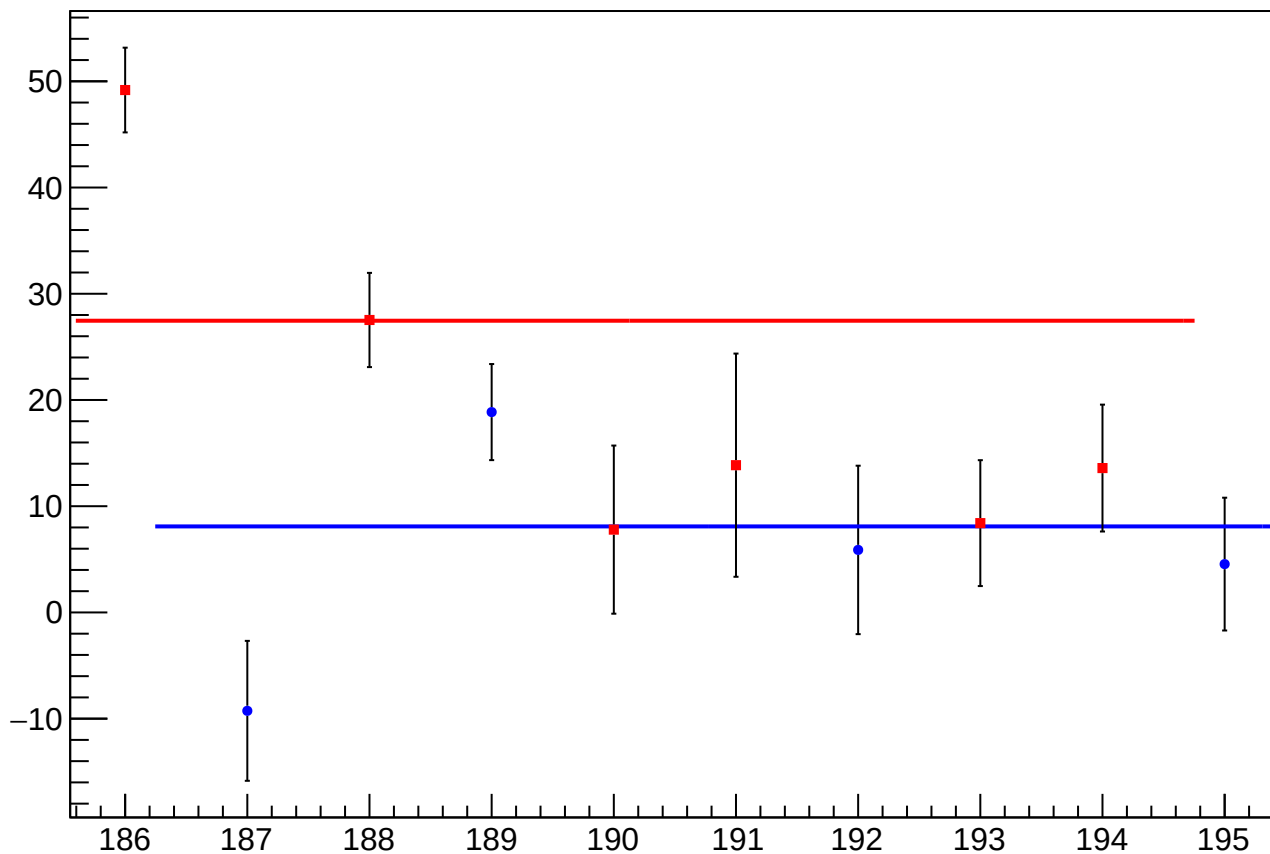
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -92.456 $\pm$ 0.837  $\chi^2$ /NDF: 883.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug



Right In:  $8.098 \pm 2.969$   $\chi^2/\text{NDF}: 13.0/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $27.461 \pm 2.263$   $\chi^2/\text{NDF}: 53.2/5$

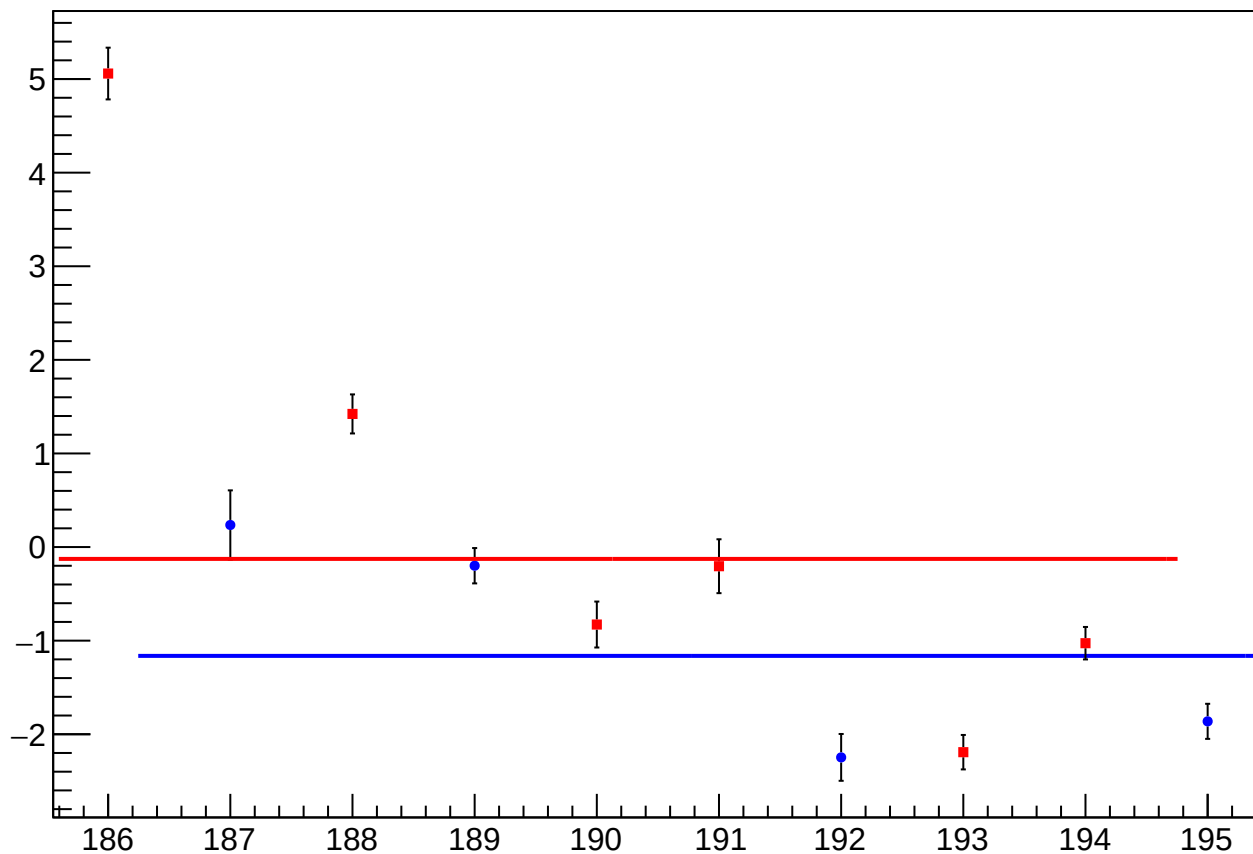
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $20.345 \pm 1.800$   $\chi^2/\text{NDF}: 93.1/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.163 \pm 0.112$   $\chi^2/\text{NDF}: 73.1/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.127 \pm 0.089$   $\chi^2/\text{NDF}: 568.2/5$

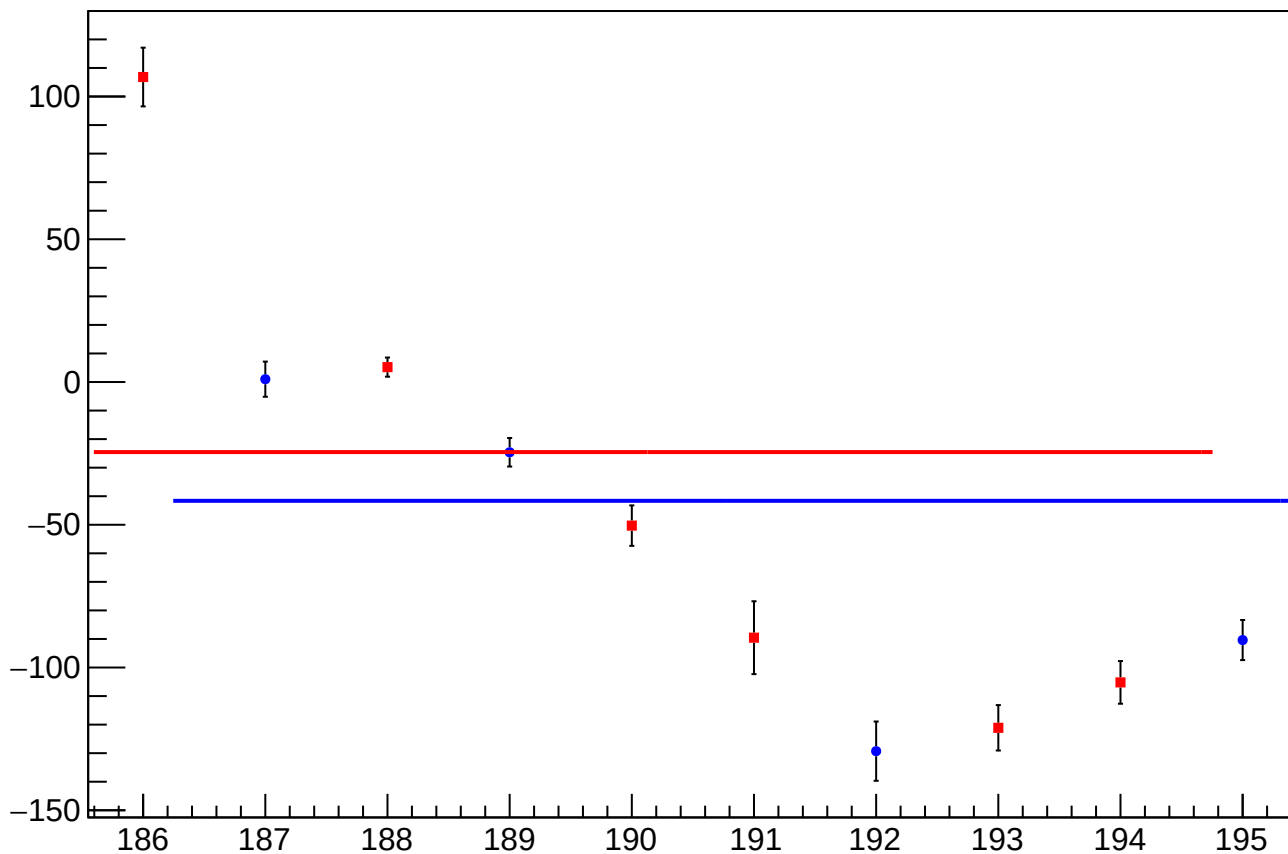
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.526 \pm 0.069$   $\chi^2/\text{NDF}: 694.0/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam4\_diff\_bpm1X\_slope vs Slug



Right In:  $-41.612 \pm 3.228$   $\chi^2/\text{NDF}: 178.9/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-24.537 \pm 2.517$   $\chi^2/\text{NDF}: 544.7/5$

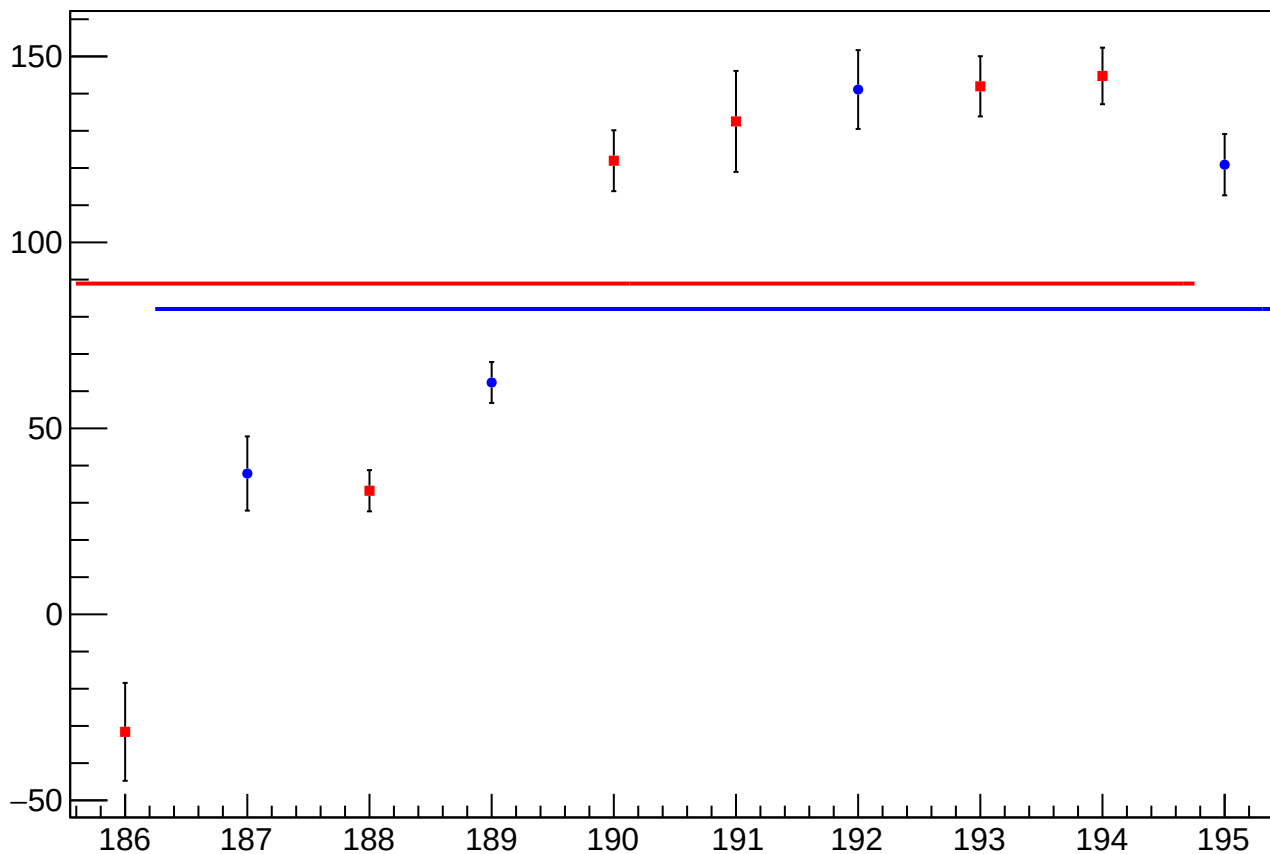
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-30.991 \pm 1.985$   $\chi^2/\text{NDF}: 741.0/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug



Right In: 82.094 $\pm$ 3.871  $\chi^2$ /NDF: 85.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 88.933 $\pm$ 3.311  $\chi^2$ /NDF: 308.3/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

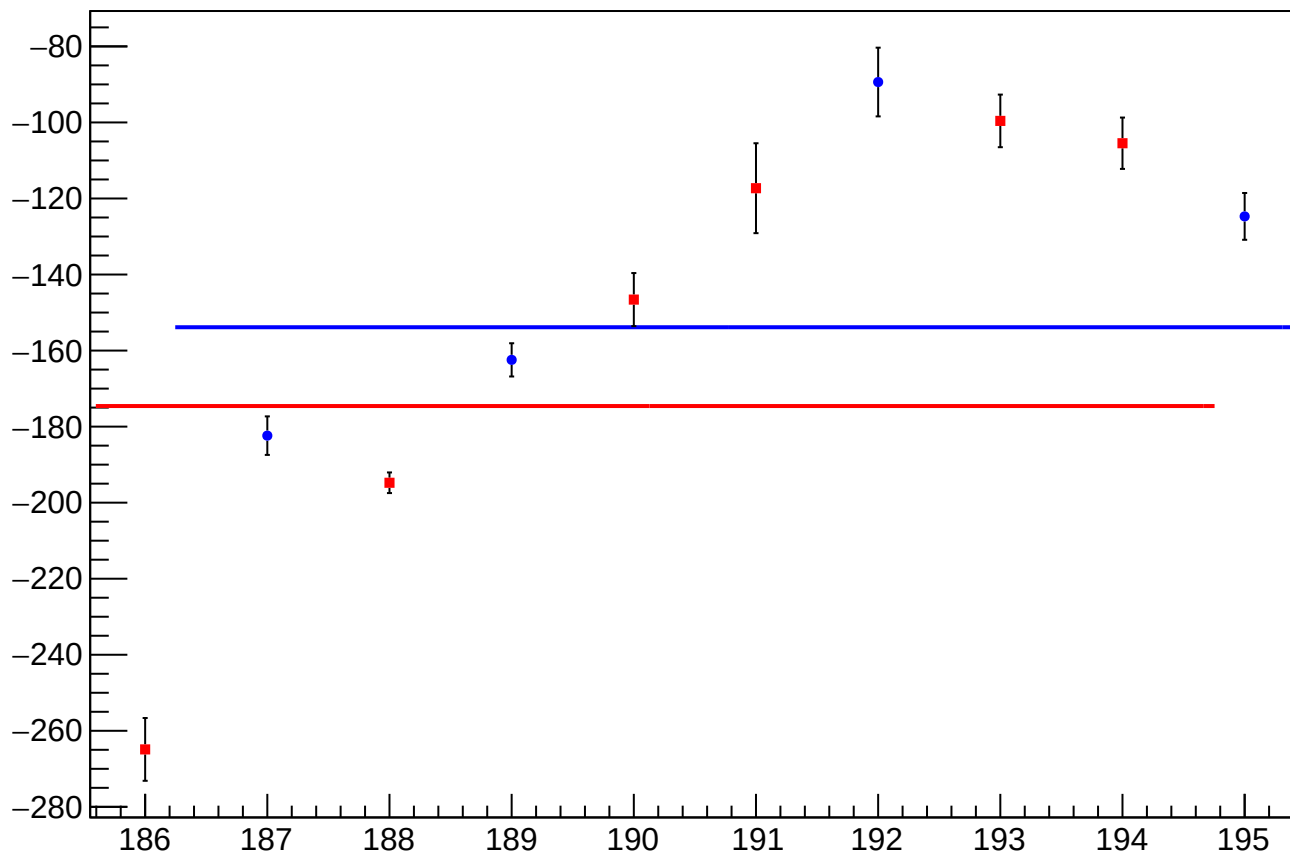
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 86.044 $\pm$ 2.516  $\chi^2$ /NDF: 395.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug



Right In: -153.862 $\pm$ 2.774  $\chi^2$ /NDF: 108.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -174.587 $\pm$ 2.127  $\chi^2$ /NDF: 436.8/5

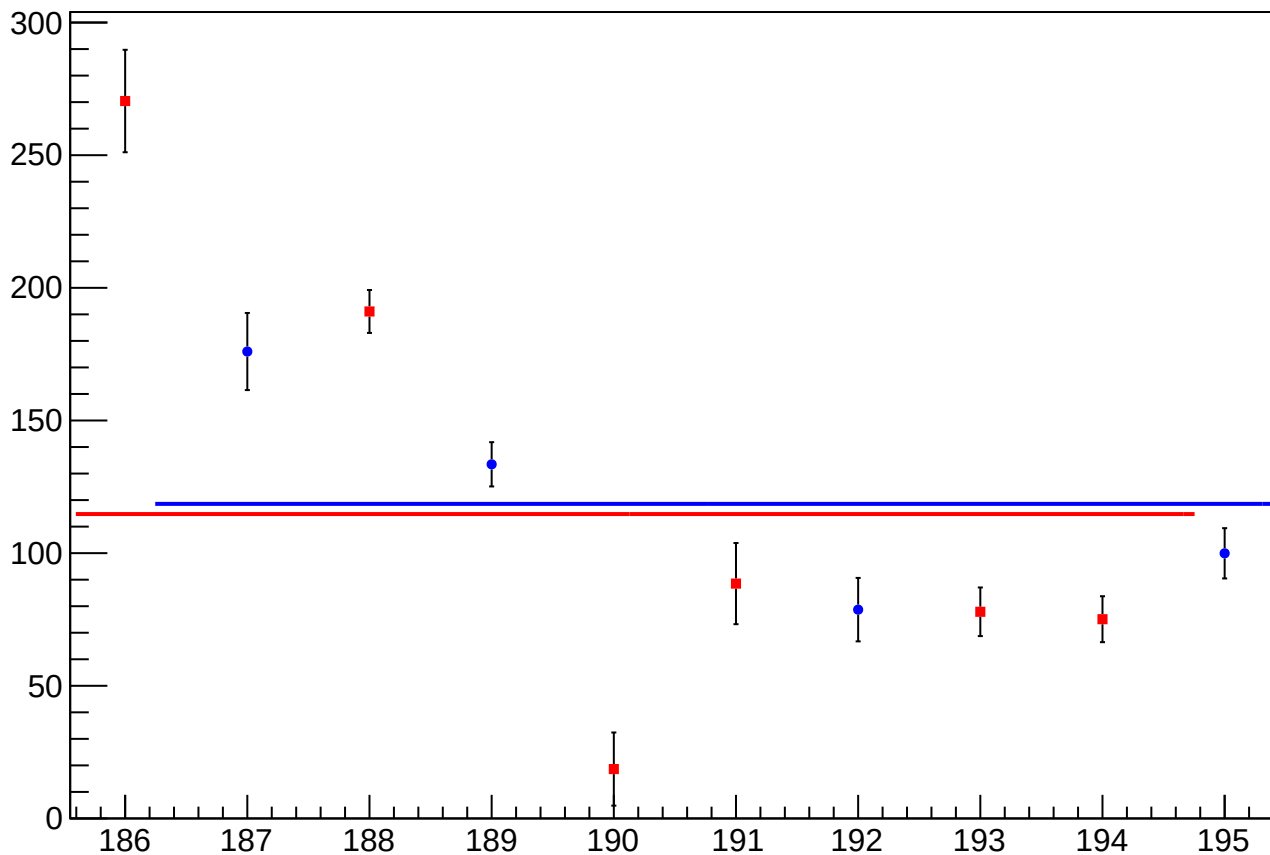
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -166.916 $\pm$ 1.688  $\chi^2$ /NDF: 580.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug



Right In: 118.573 $\pm$ 5.184  $\chi^2$ /NDF: 33.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 114.737 $\pm$ 4.354  $\chi^2$ /NDF: 242.8/5

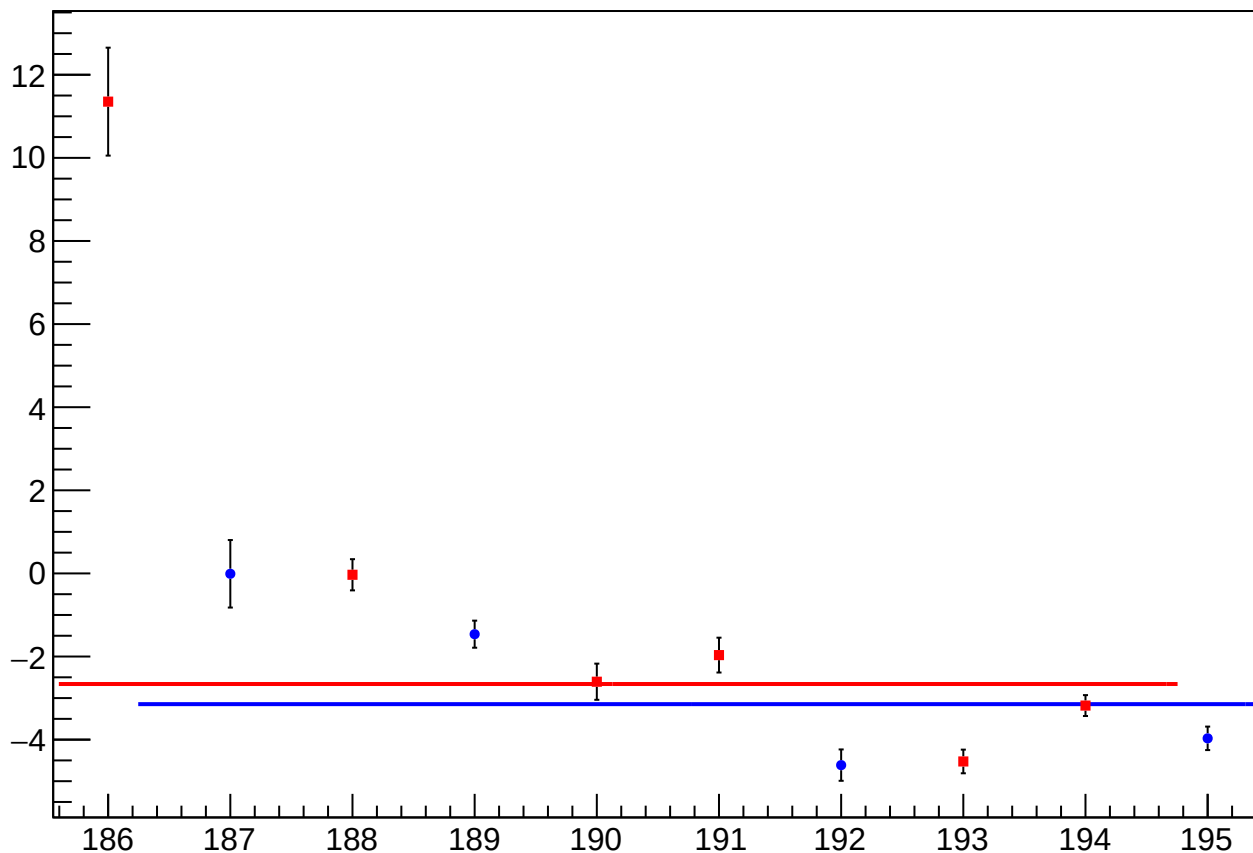
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 116.324 $\pm$ 3.334  $\chi^2$ /NDF: 276.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug



Right In:  $-3.146 \pm 0.181$   $\chi^2/\text{NDF}$ : 65.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.661 \pm 0.146$   $\chi^2/\text{NDF}$ : 215.4/5

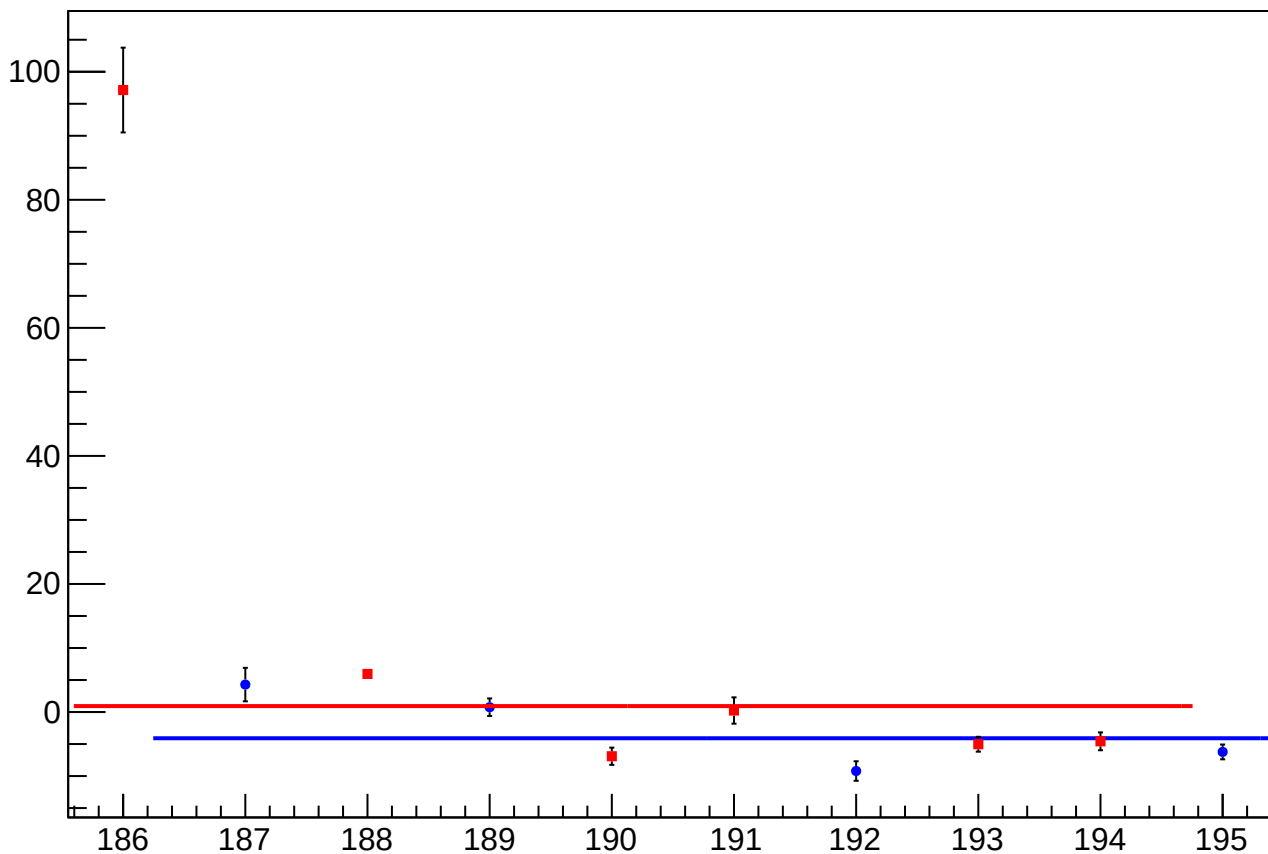
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.852 \pm 0.114$   $\chi^2/\text{NDF}$ : 284.9/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam5\_diff\_bpm1X\_slope vs Slug



Right In: -4.096+/-0.734  $\chi^2/\text{NDF}$ : 37.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.927+/-0.502  $\chi^2/\text{NDF}$ : 335.0/5

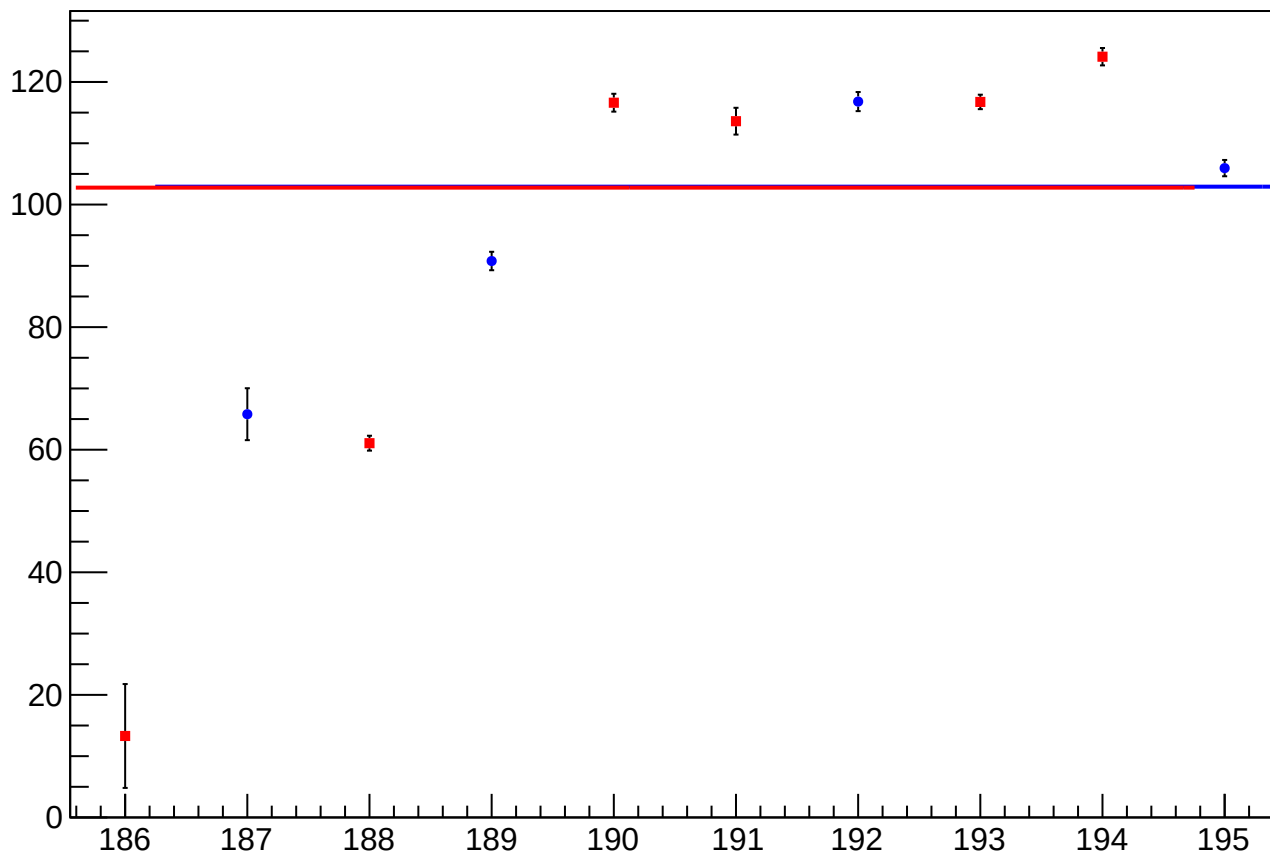
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.674+/-0.415  $\chi^2/\text{NDF}$ : 404.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug



Right In: 102.919 $\pm$ 0.823  $\chi^2$ /NDF: 226.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 102.762 $\pm$ 0.622  $\chi^2$ /NDF: 1769.2/5

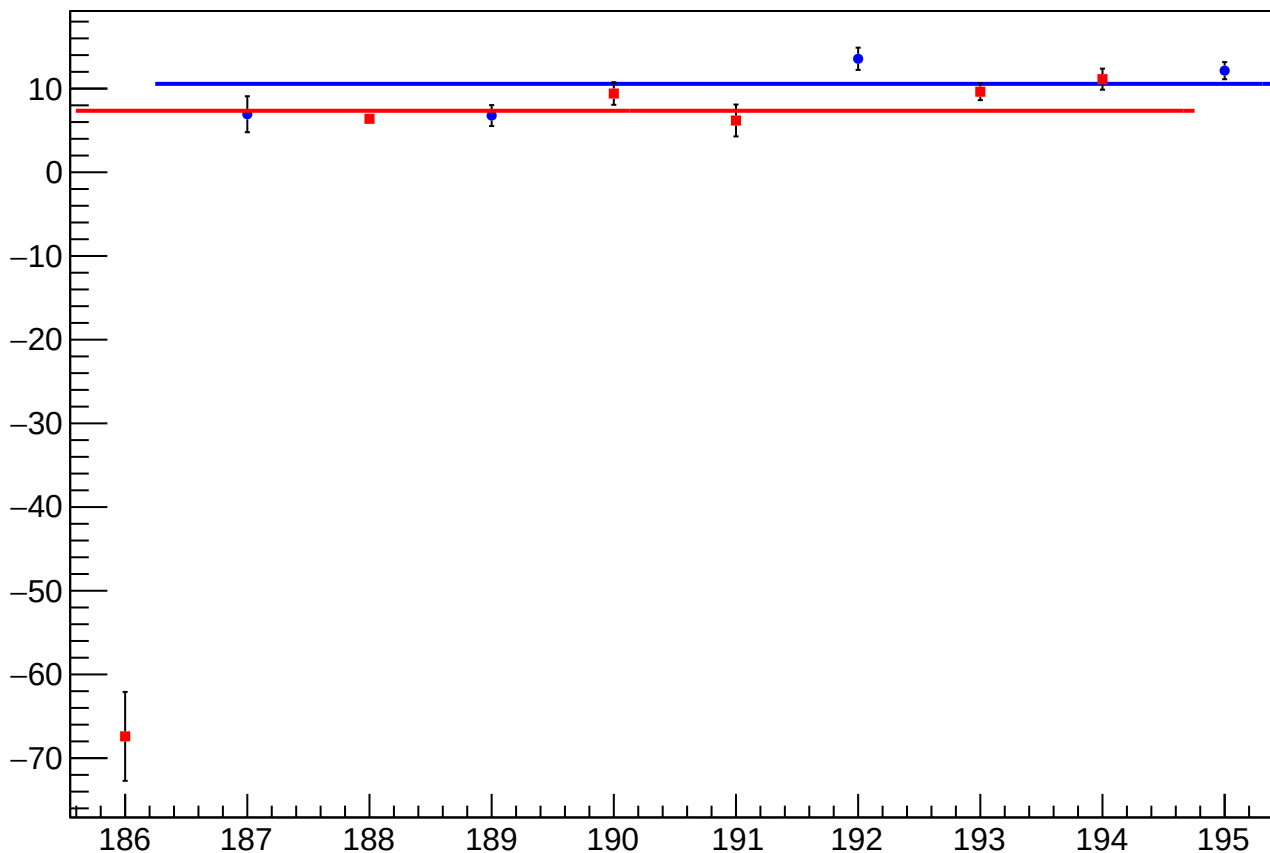
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 102.819 $\pm$ 0.496  $\chi^2$ /NDF: 1995.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug



Right In: 10.566 $\pm$ 0.649  $\chi^2$ /NDF: 19.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.350 $\pm$ 0.431  $\chi^2$ /NDF: 217.6/5

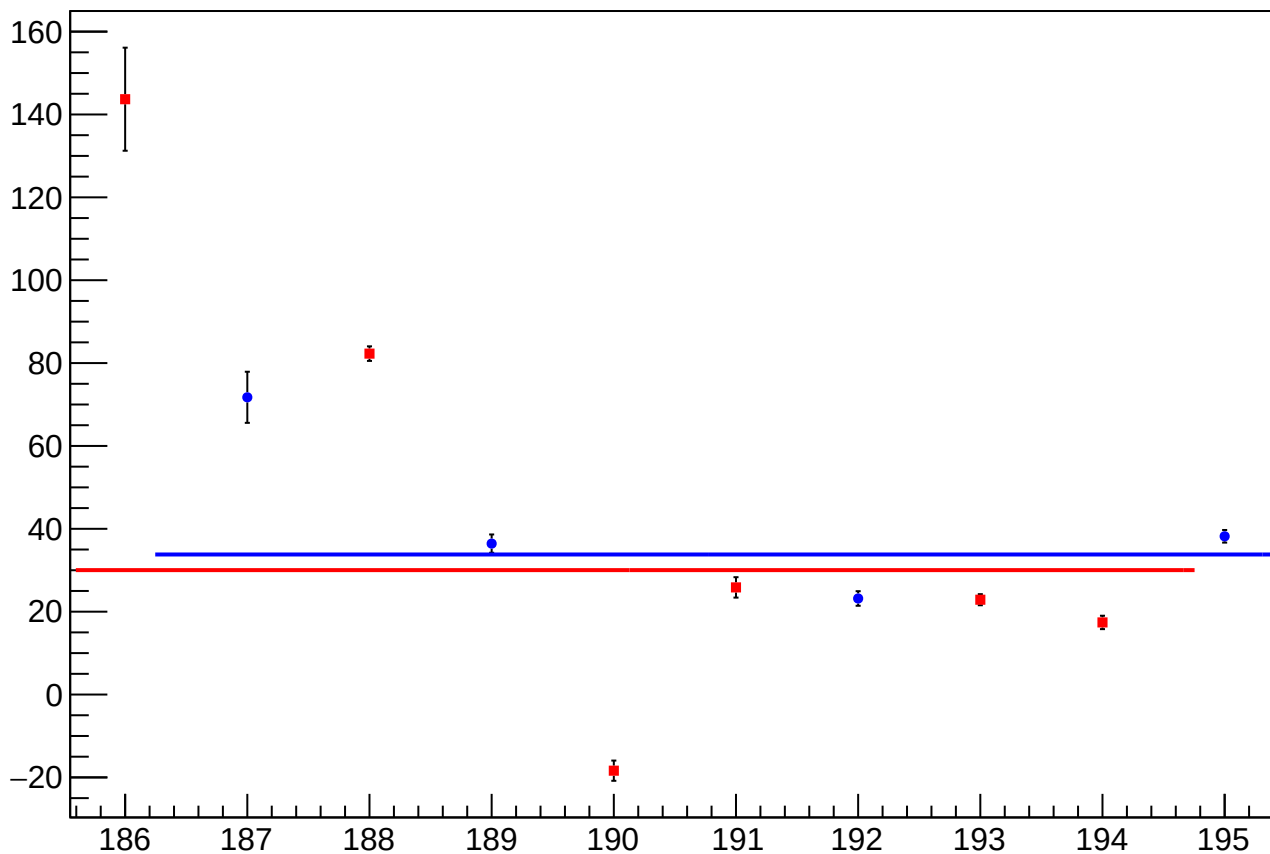
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 8.336 $\pm$ 0.359  $\chi^2$ /NDF: 254.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug



Right In: 33.803+/-1.007  $\chi^2/\text{NDF}$ : 84.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 30.029+/-0.790  $\chi^2/\text{NDF}$ : 1452.0/5

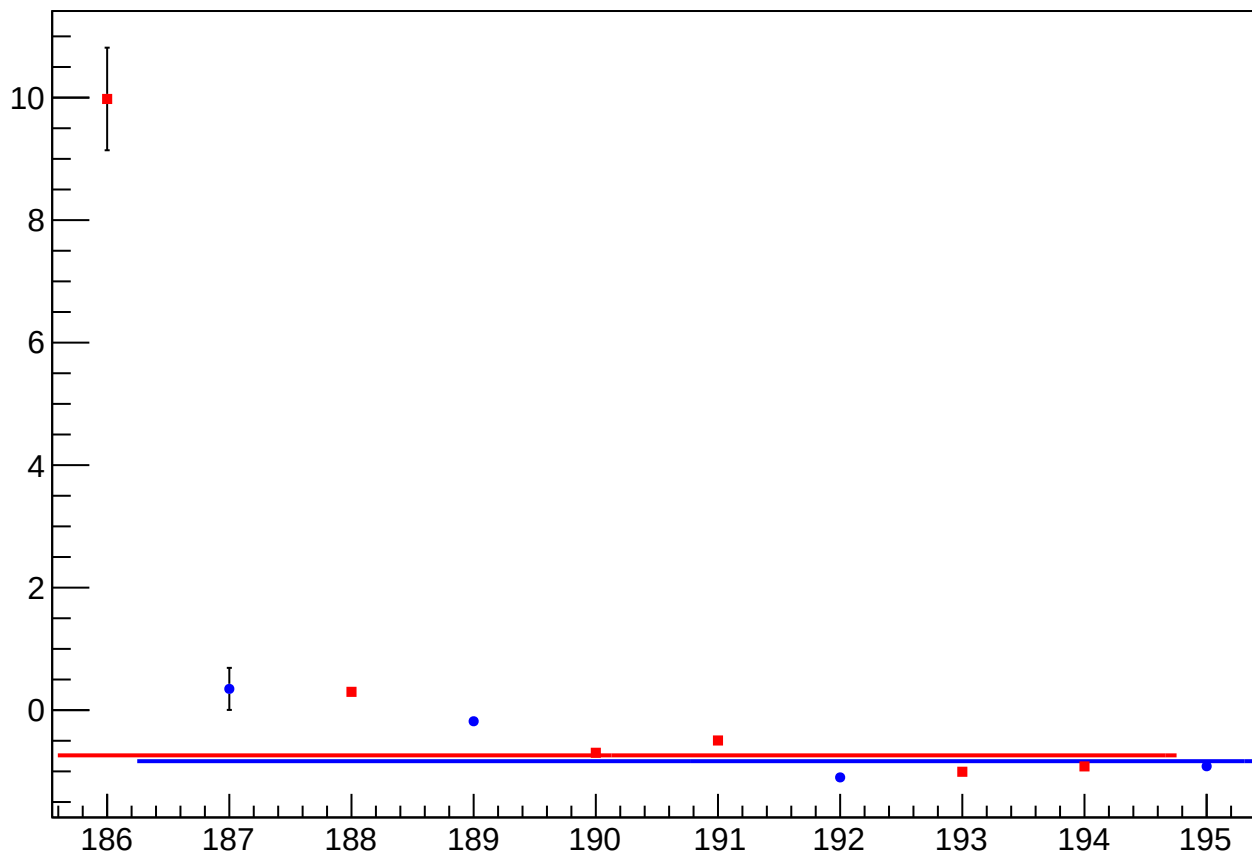
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 31.466+/-0.621  $\chi^2/\text{NDF}$ : 1544.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.833 \pm 0.031$   $\chi^2/\text{NDF}$ : 114.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.738 \pm 0.025$   $\chi^2/\text{NDF}$ : 401.6/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

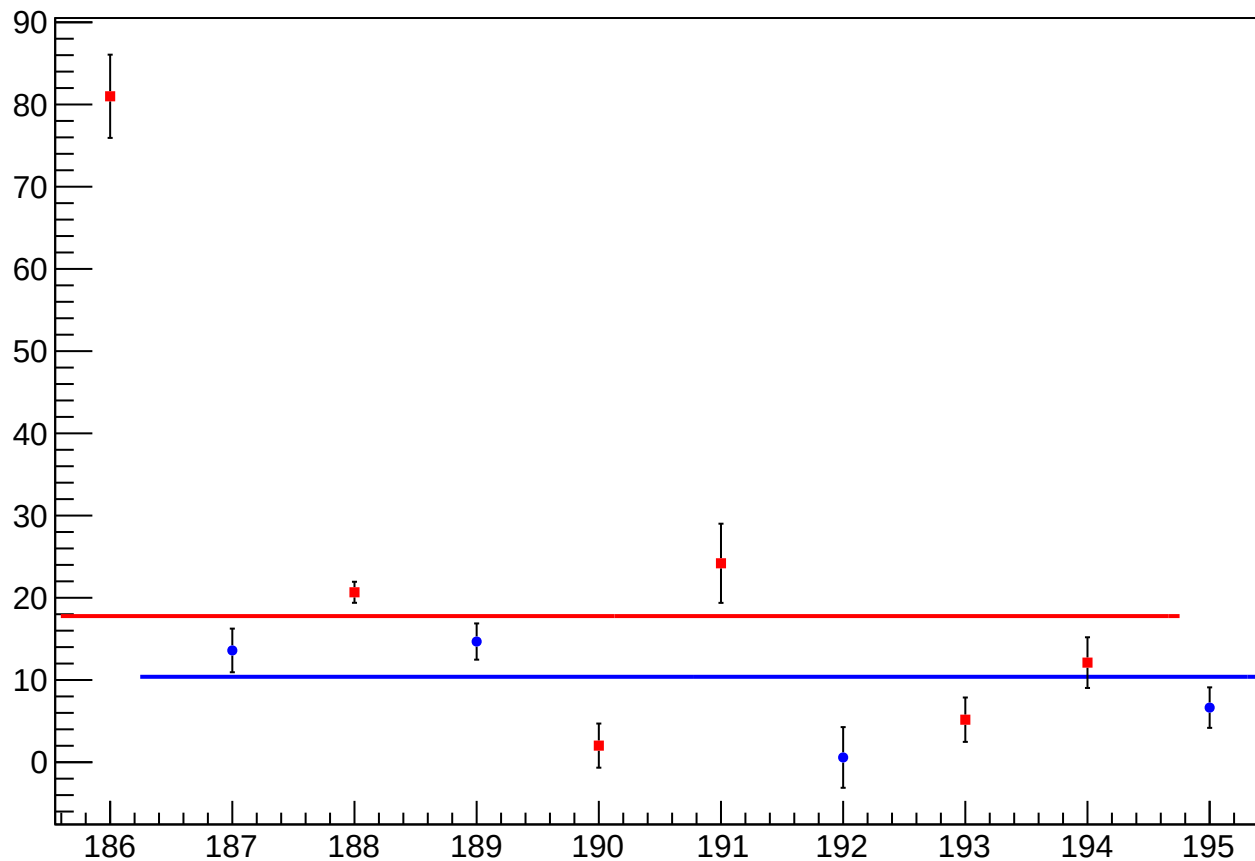
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.775 \pm 0.020$   $\chi^2/\text{NDF}$ : 521.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam6\_diff\_bpm1X\_slope vs Slug



Right In: 10.391 $\pm$ 1.306  $\chi^2$ /NDF: 14.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.774 $\pm$ 0.965  $\chi^2$ /NDF: 222.5/5

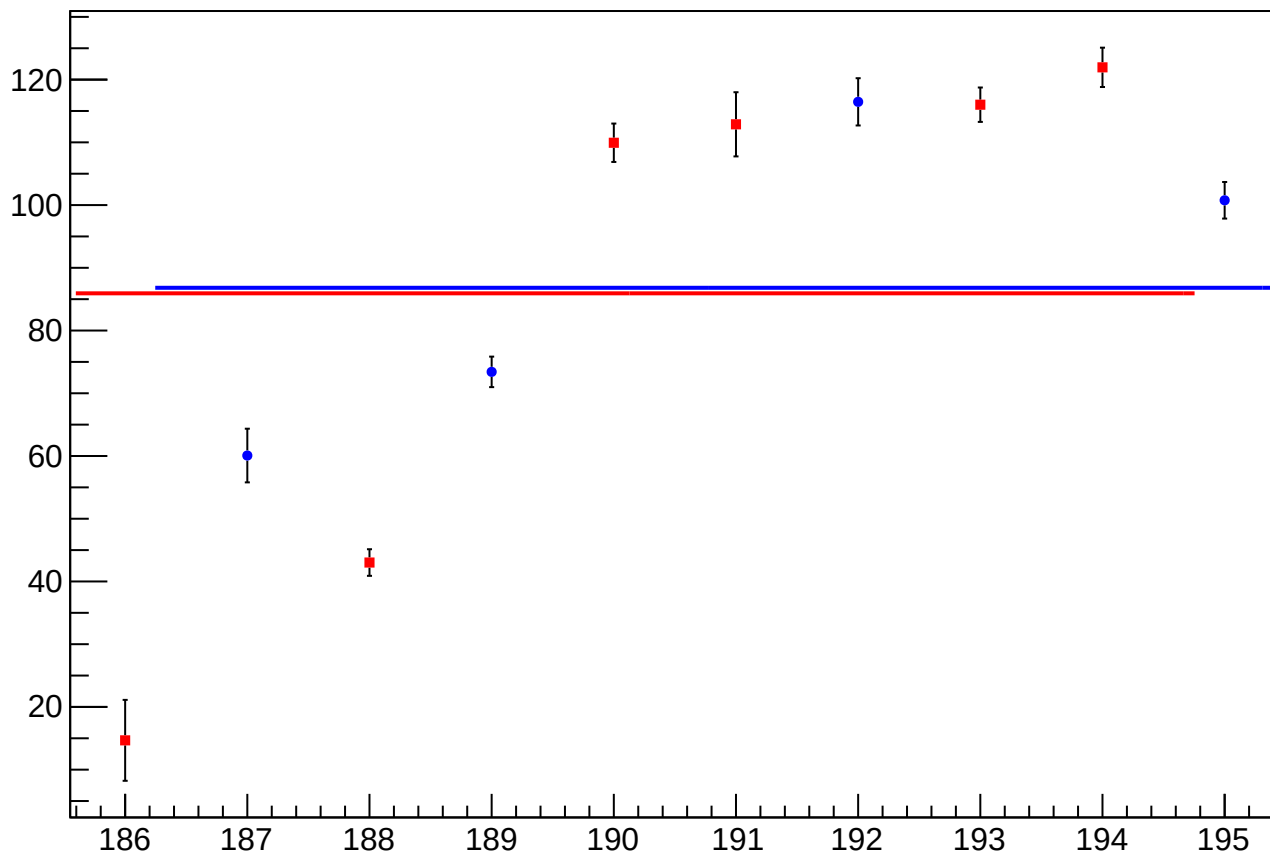
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 15.167 $\pm$ 0.776  $\chi^2$ /NDF: 257.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug



Right In: 86.817 $\pm$ 1.558  $\chi^2$ /NDF: 154.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 85.932 $\pm$ 1.264  $\chi^2$ /NDF: 873.0/5

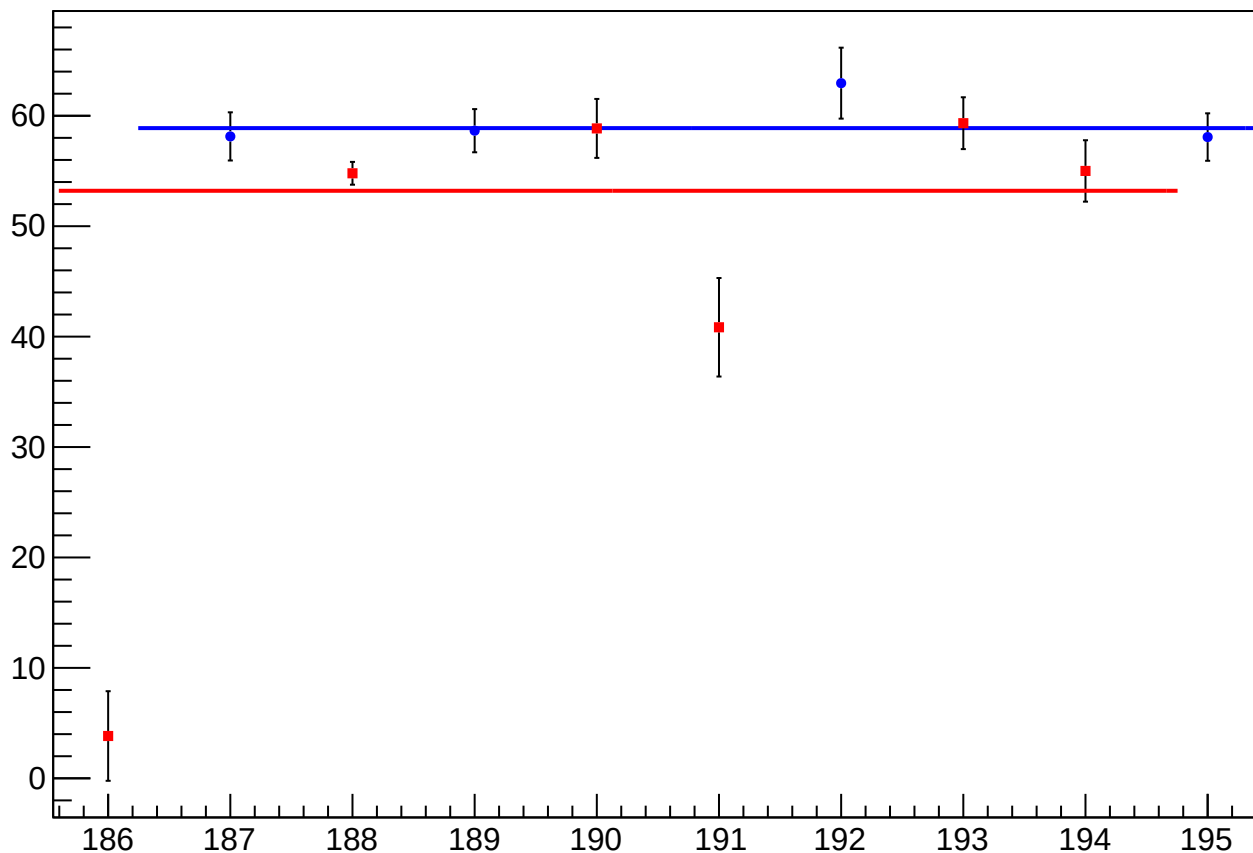
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 86.283 $\pm$ 0.982  $\chi^2$ /NDF: 1027.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug



Right In: 58.883 $\pm$ 1.129  $\chi^2$ /NDF: 1.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 53.207 $\pm$ 0.817  $\chi^2$ /NDF: 169.8/5

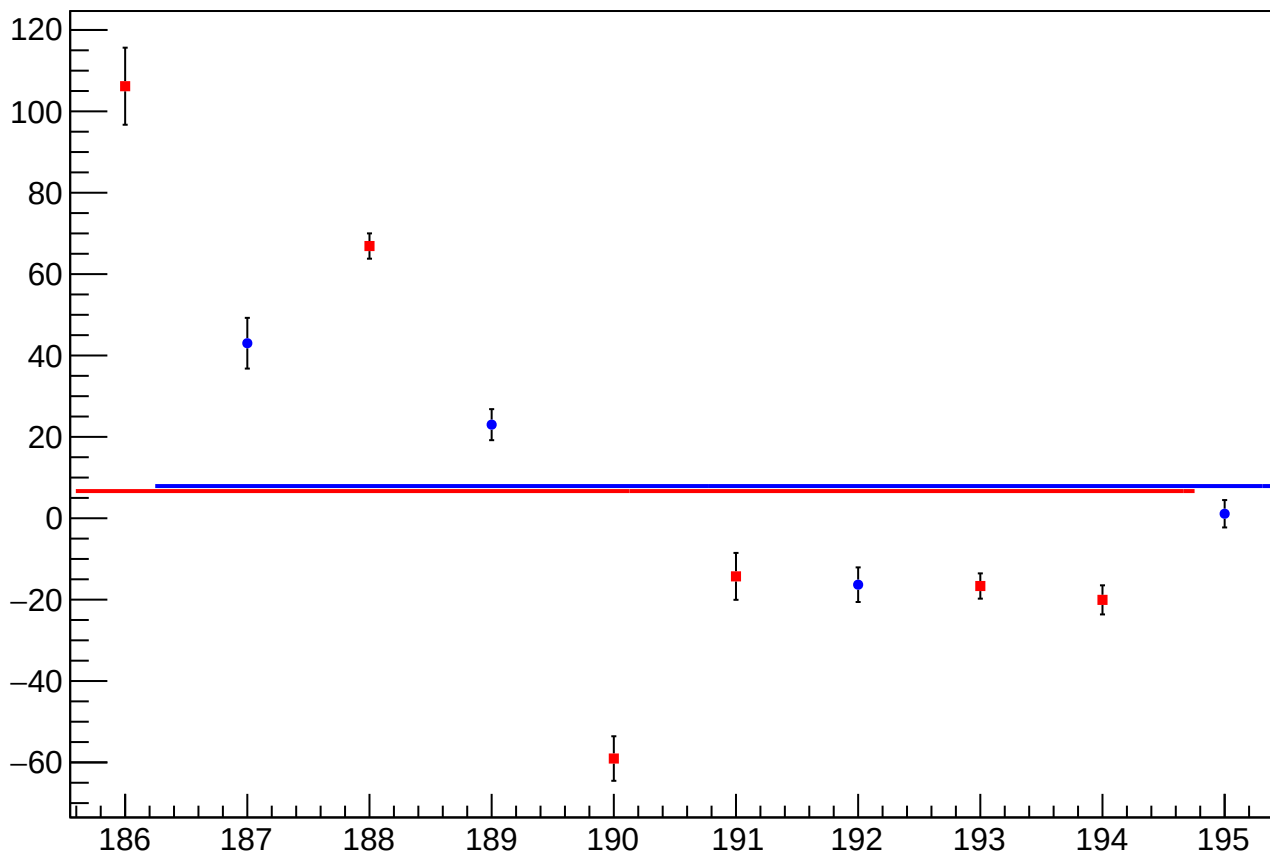
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 55.157 $\pm$ 0.662  $\chi^2$ /NDF: 188.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug



Right In: 7.913 $\pm$ 2.050  $\chi^2$ /NDF: 83.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.681 $\pm$ 1.667  $\chi^2$ /NDF: 755.2/5

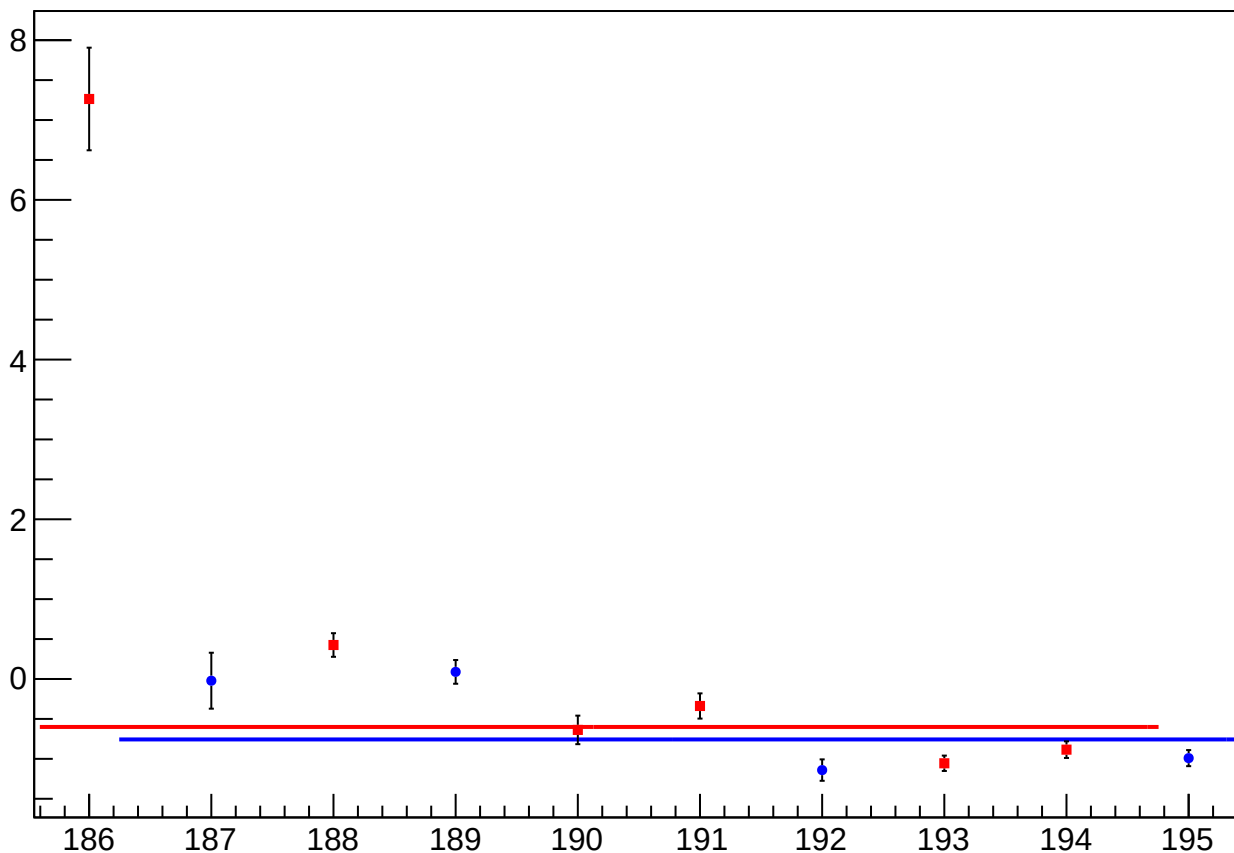
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.171 $\pm$ 1.293  $\chi^2$ /NDF: 839.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.757 \pm 0.069$   $\chi^2/\text{NDF}$ : 50.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.601 \pm 0.056$   $\chi^2/\text{NDF}$ : 230.5/5

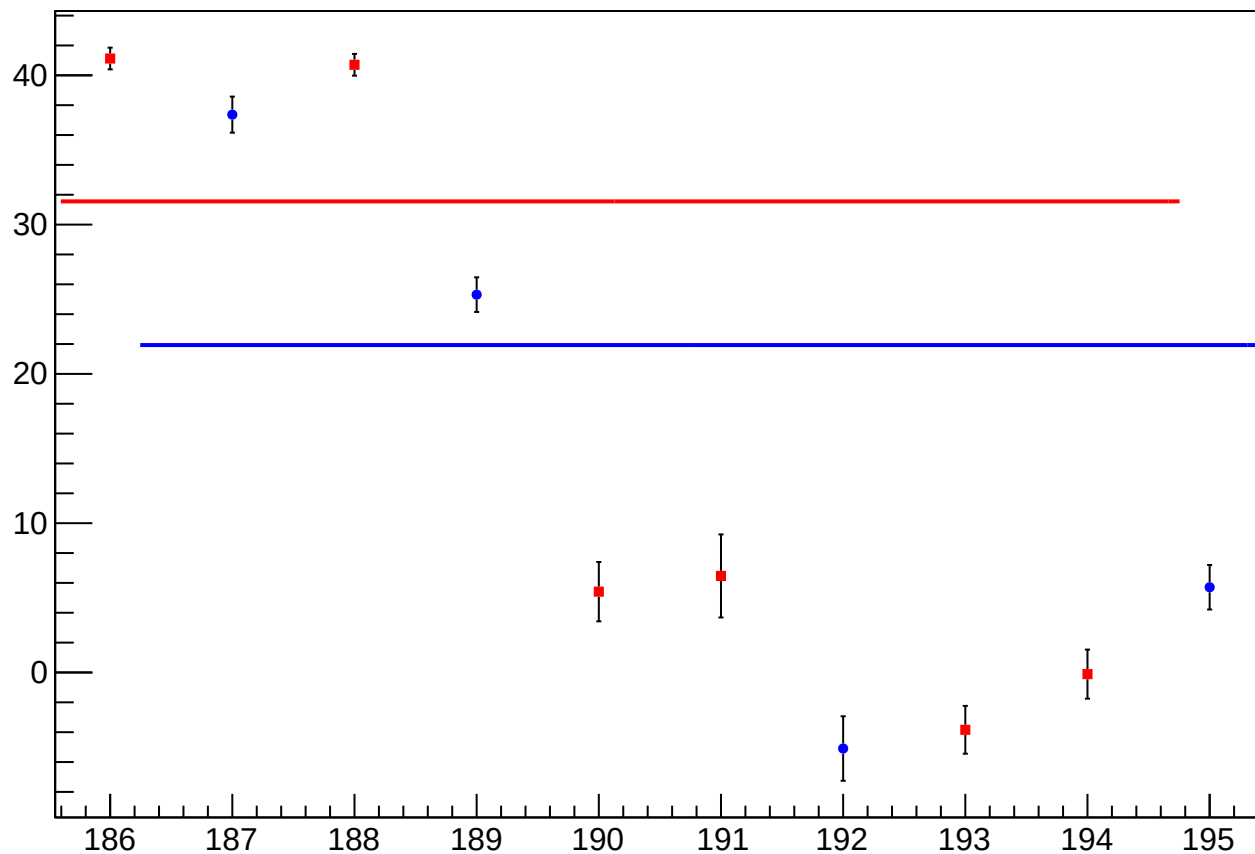
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.662 \pm 0.044$   $\chi^2/\text{NDF}$ : 284.0/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam7\_diff\_bpm1X\_slope vs Slug



Right In: 21.932 $\pm$ 0.692  $\chi^2$ /NDF: 446.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 31.555 $\pm$ 0.451  $\chi^2$ /NDF: 1445.8/5

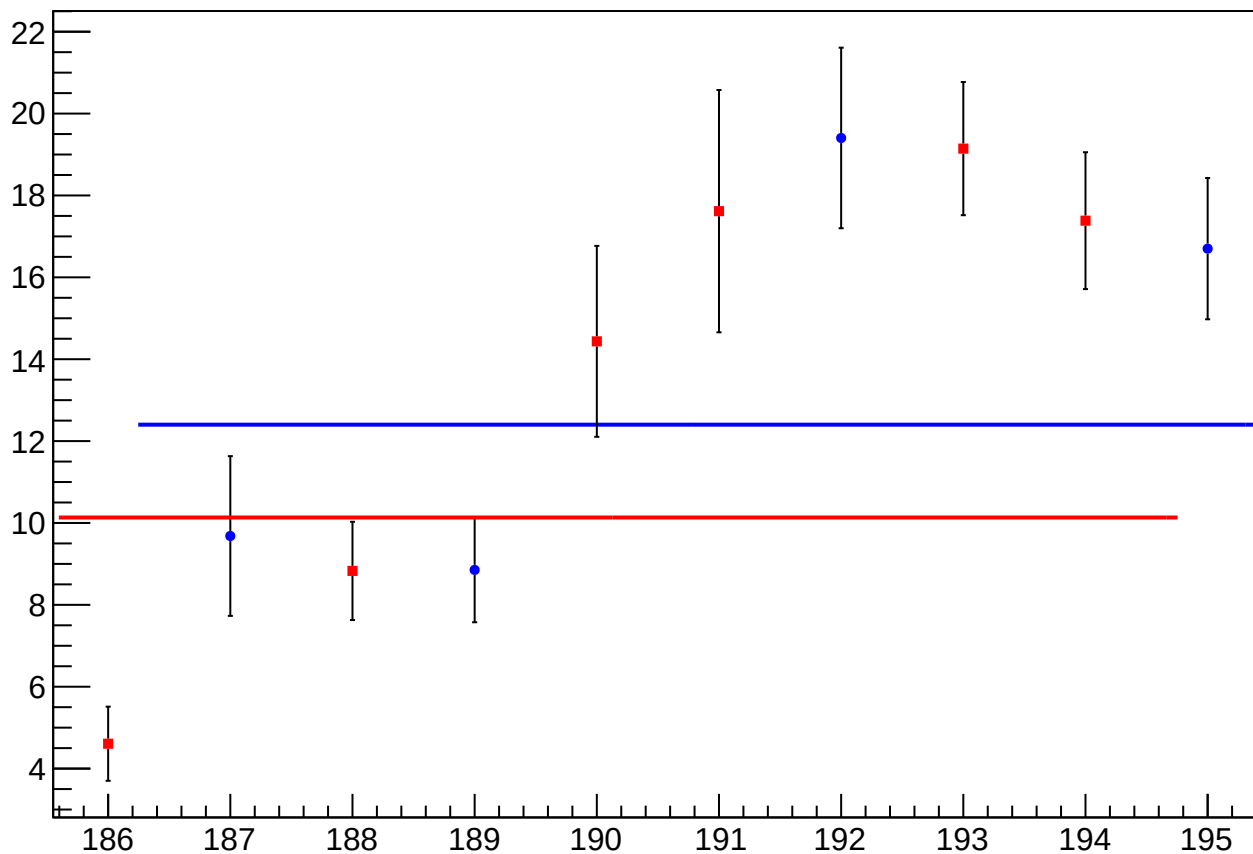
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 28.686 $\pm$ 0.378  $\chi^2$ /NDF: 2028.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug



Right In: 12.401 $\pm$ 0.840  $\chi^2$ /NDF: 25.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 10.133 $\pm$ 0.582  $\chi^2$ /NDF: 97.7/5

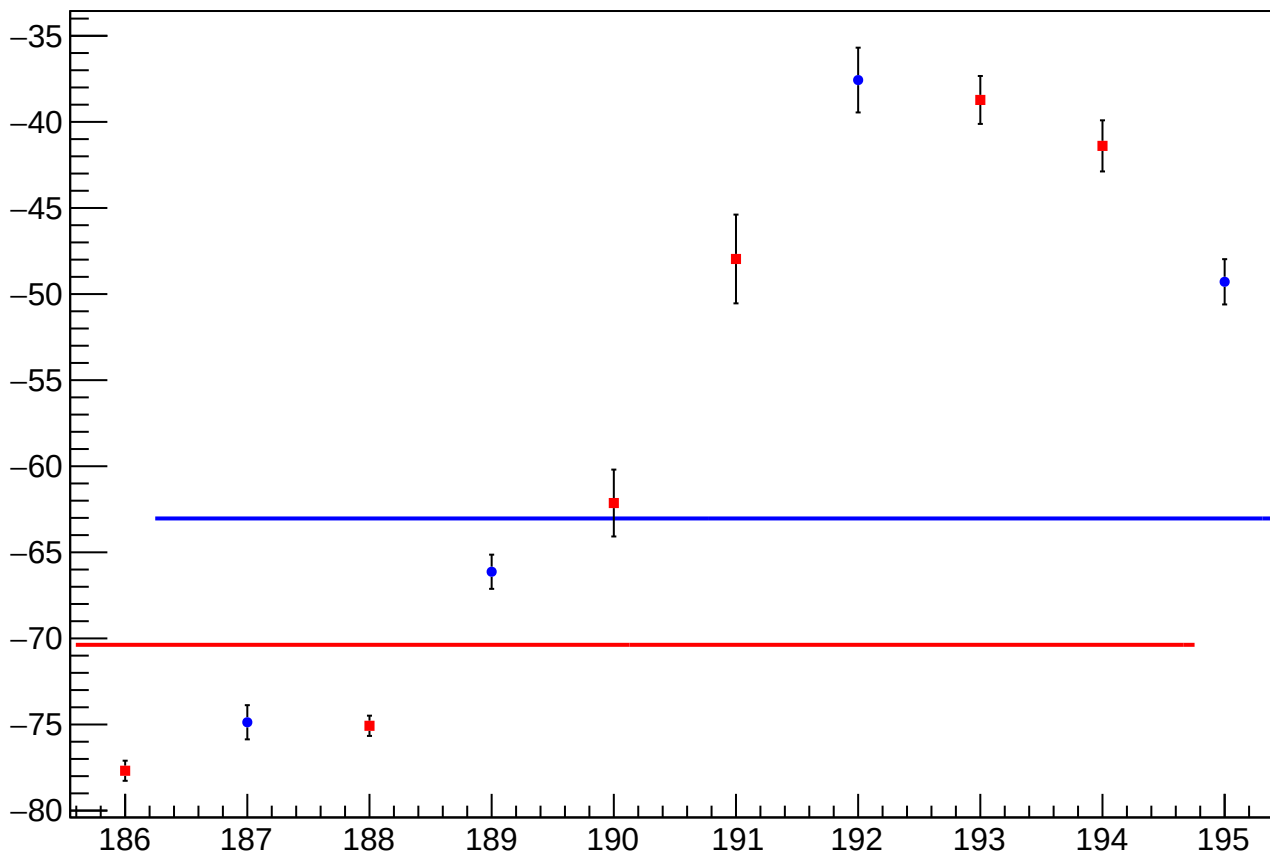
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.869 $\pm$ 0.479  $\chi^2$ /NDF: 128.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug



Right In: -63.033+/-0.588  $\chi^2/\text{NDF}$ : 444.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -70.372+/-0.372  $\chi^2/\text{NDF}$ : 1212.3/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

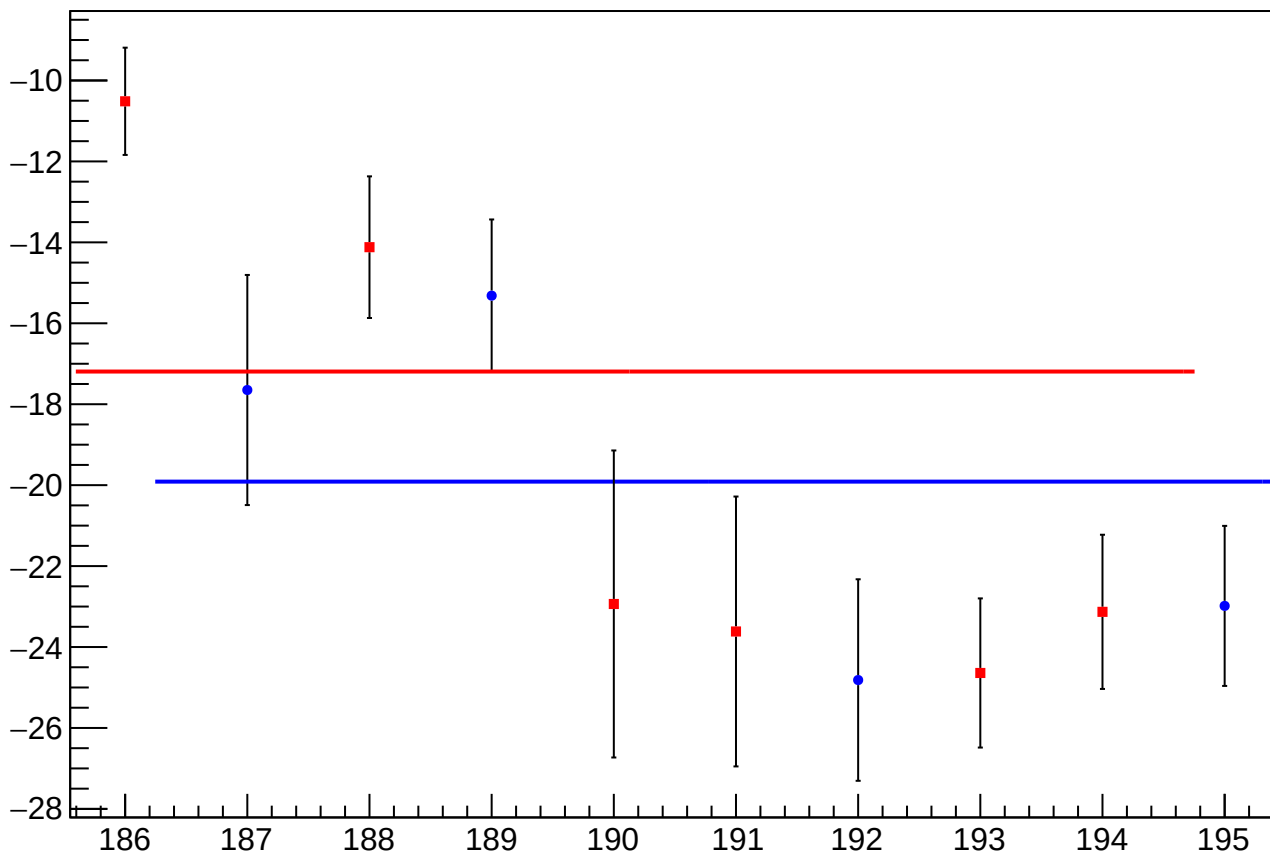
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -68.272+/-0.315  $\chi^2/\text{NDF}$ : 1767.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug



Right In:  $-19.913 \pm 1.102$   $\chi^2/\text{NDF}: 12.9/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-17.192 \pm 0.784$   $\chi^2/\text{NDF}: 60.5/5$

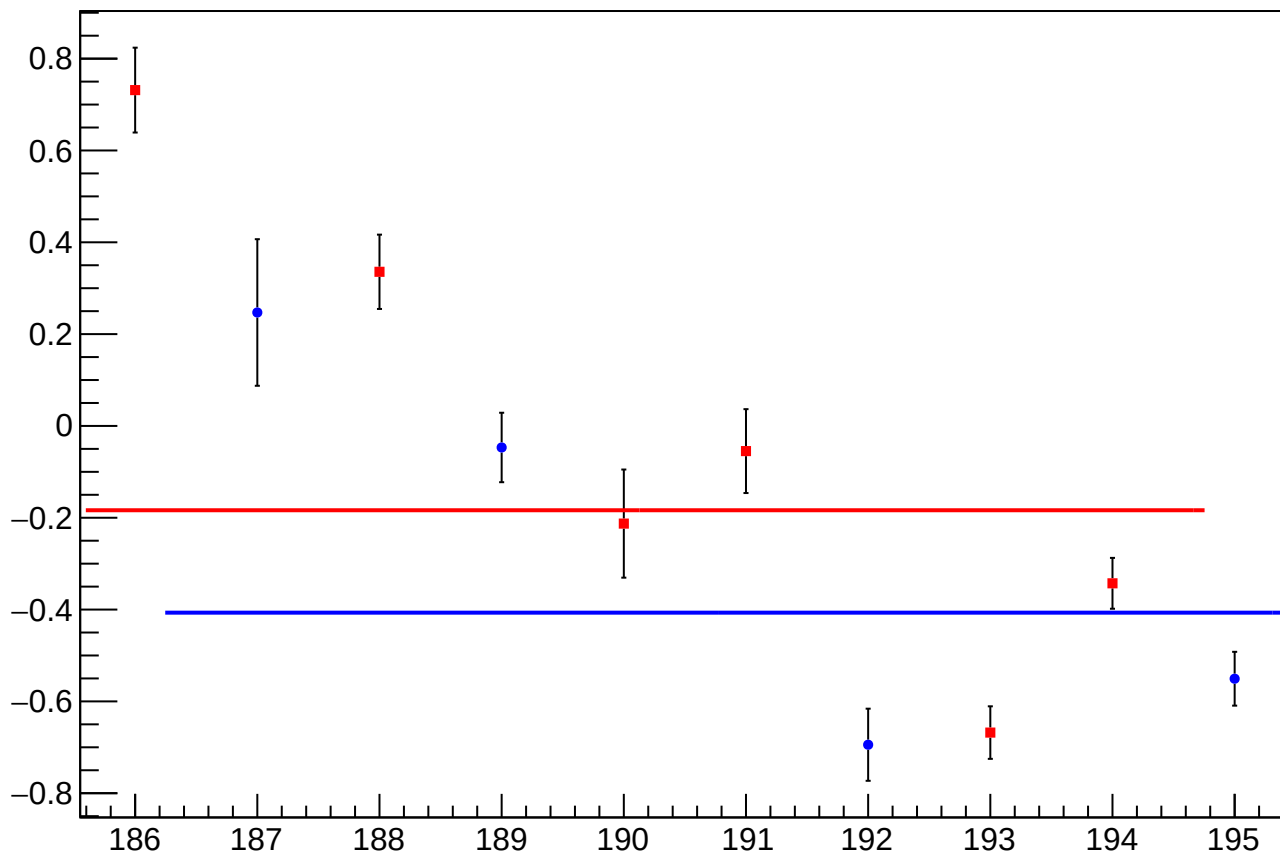
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-18.107 \pm 0.639$   $\chi^2/\text{NDF}: 77.5/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.407 \pm 0.039$   $\chi^2/\text{NDF}$ : 58.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.184 \pm 0.030$   $\chi^2/\text{NDF}$ : 221.2/5

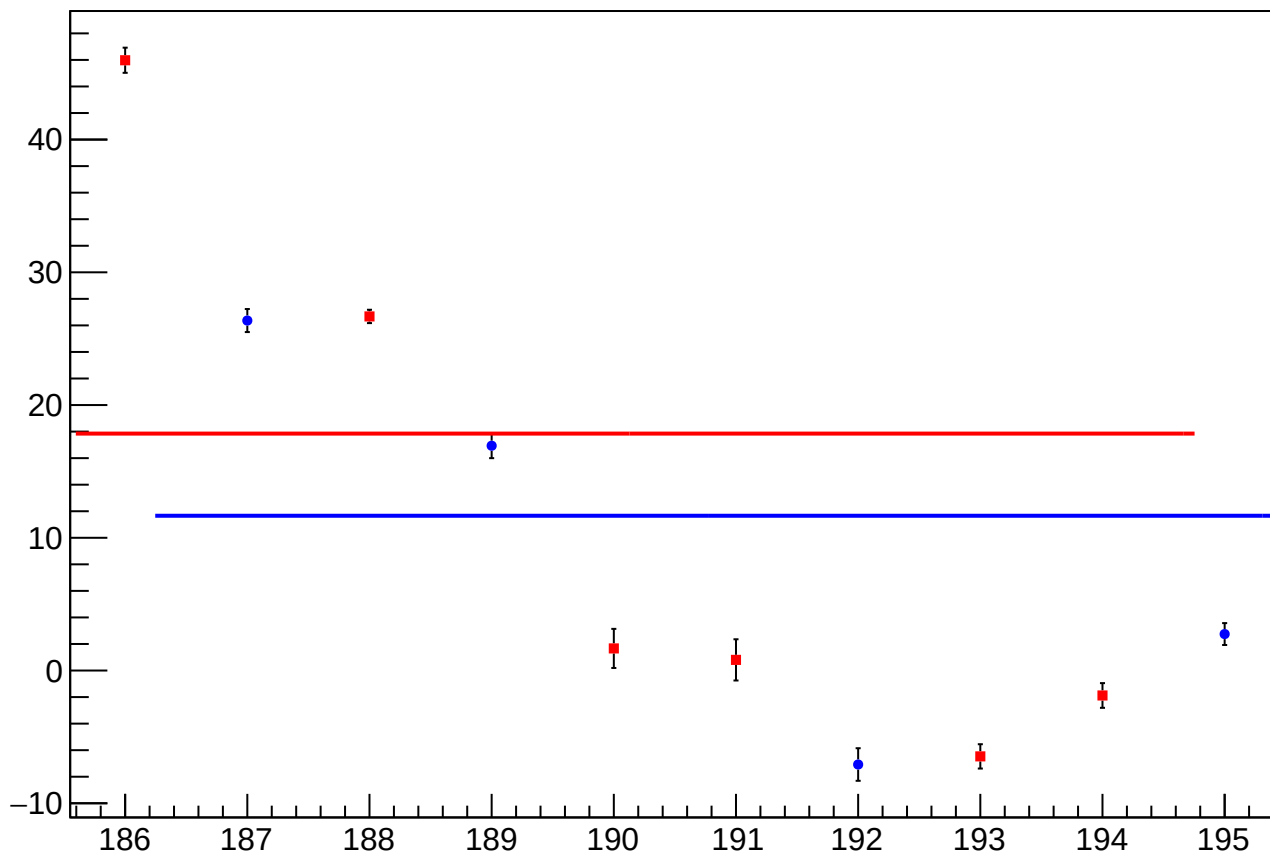
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.268 \pm 0.024$   $\chi^2/\text{NDF}$ : 300.6/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam8\_diff\_bpm1X\_slope vs Slug



Right In: 11.660 $\pm$ 0.466  $\chi^2$ /NDF: 668.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.850 $\pm$ 0.347  $\chi^2$ /NDF: 2583.9/5

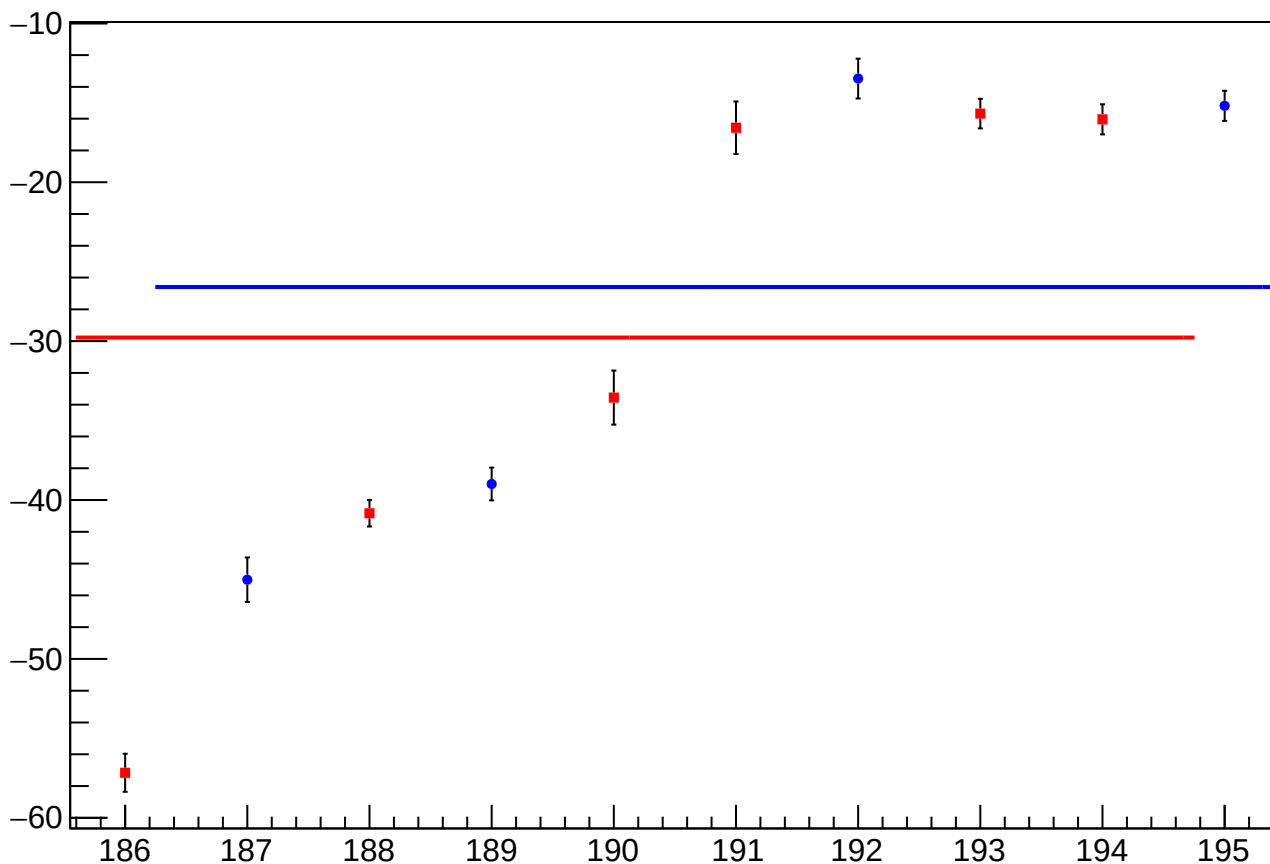
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 15.640 $\pm$ 0.278  $\chi^2$ /NDF: 3366.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug



Right In: -26.592 $\pm$ 0.559  $\chi^2$ /NDF: 571.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -29.775 $\pm$ 0.442  $\chi^2$ /NDF: 1208.2/5

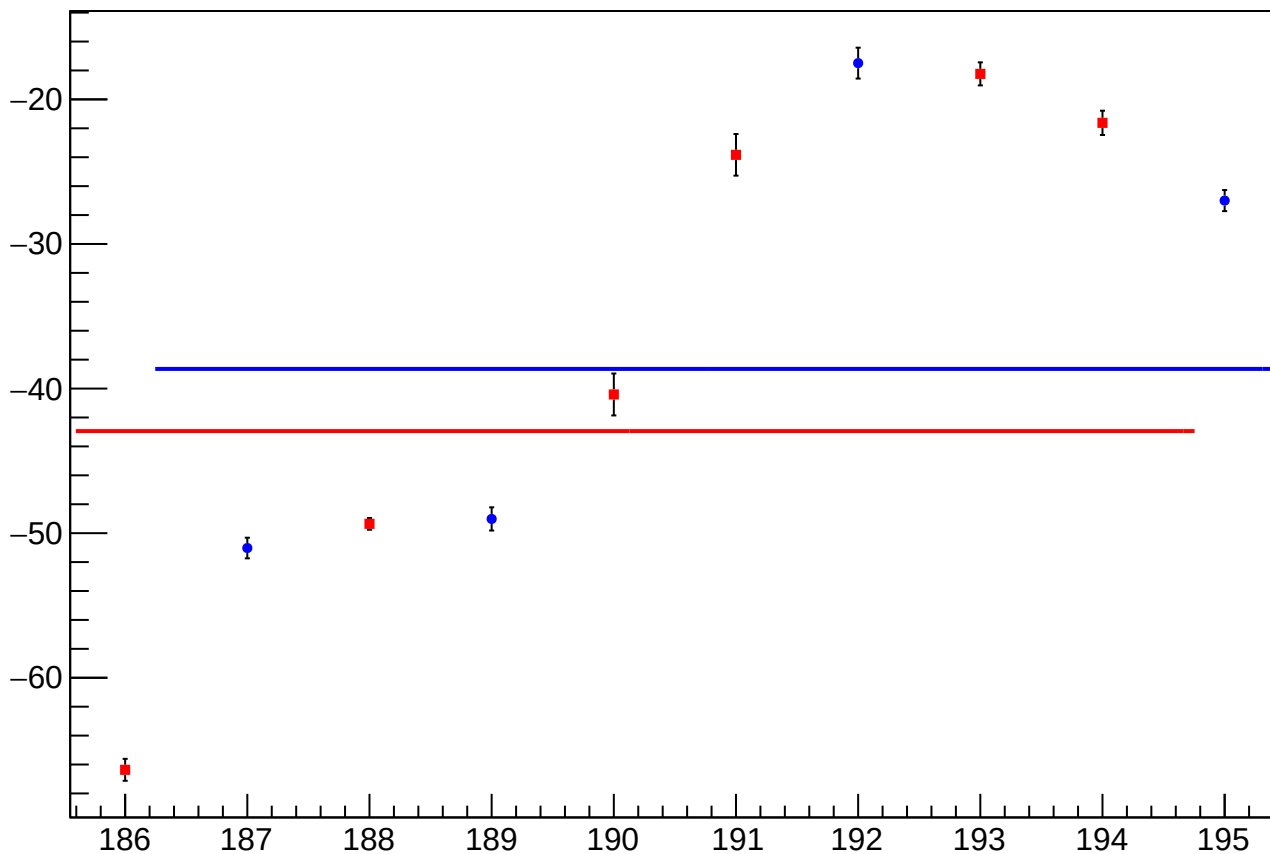
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -28.552 $\pm$ 0.347  $\chi^2$ /NDF: 1799.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug



Right In:  $-38.641 \pm 0.399$   $\chi^2/\text{NDF}$ : 1115.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-42.941 \pm 0.292$   $\chi^2/\text{NDF}$ : 2985.9/5

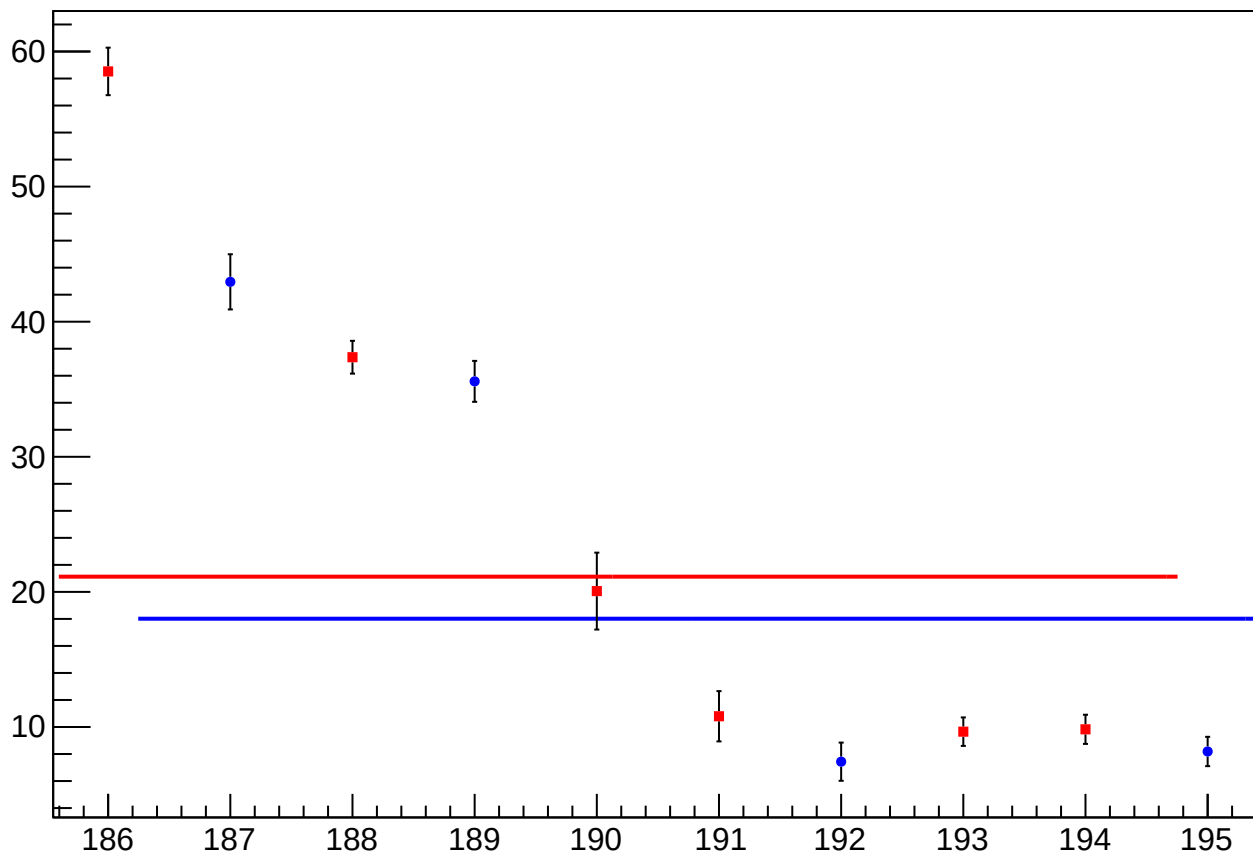
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-41.444 \pm 0.236$   $\chi^2/\text{NDF}$ : 4176.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug



Right In: 18.015+/-0.703  $\chi^2/\text{NDF}$ : 421.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.128+/-0.562  $\chi^2/\text{NDF}$ : 890.4/5

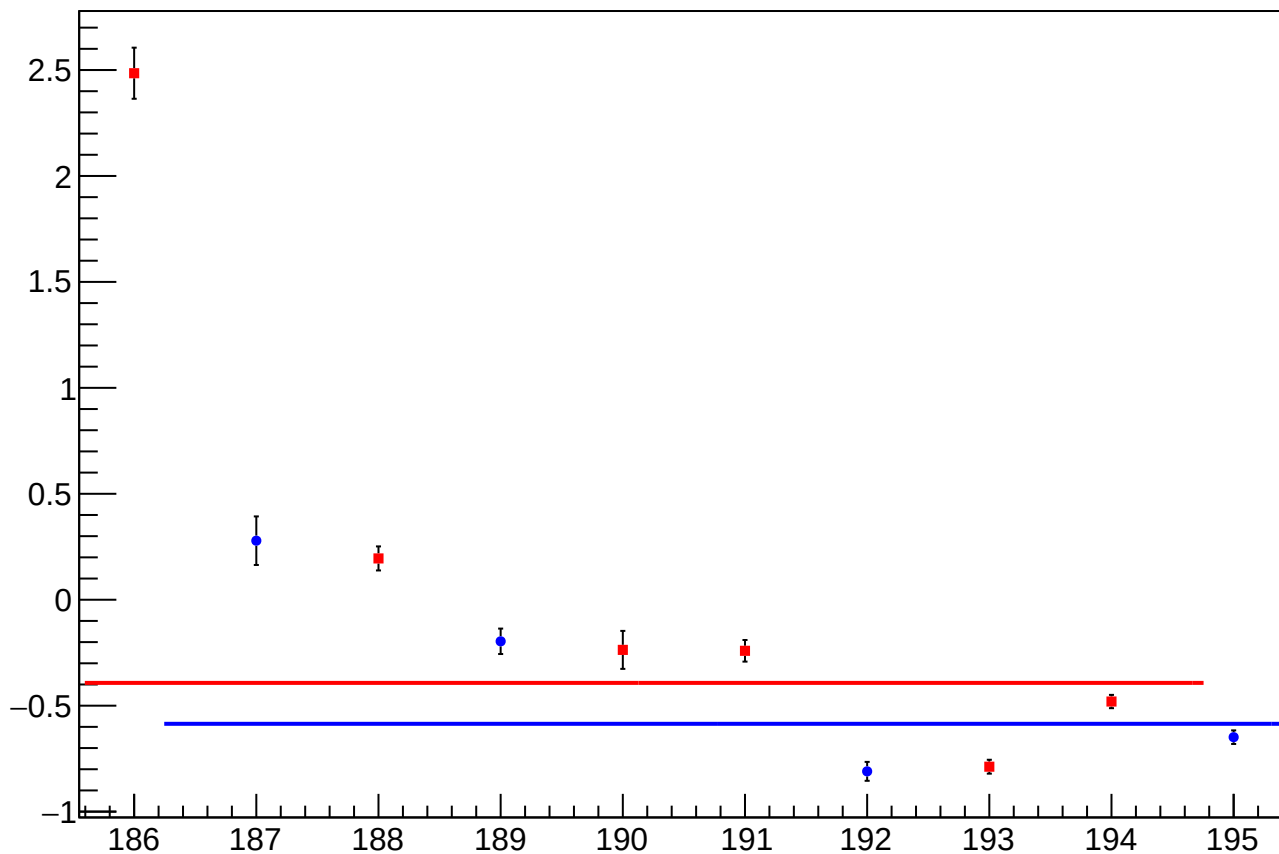
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 19.915+/-0.439  $\chi^2/\text{NDF}$ : 1323.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.586 \pm 0.023$   $\chi^2/\text{NDF}$ : 128.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.392 \pm 0.019$   $\chi^2/\text{NDF}$ : 842.2/5

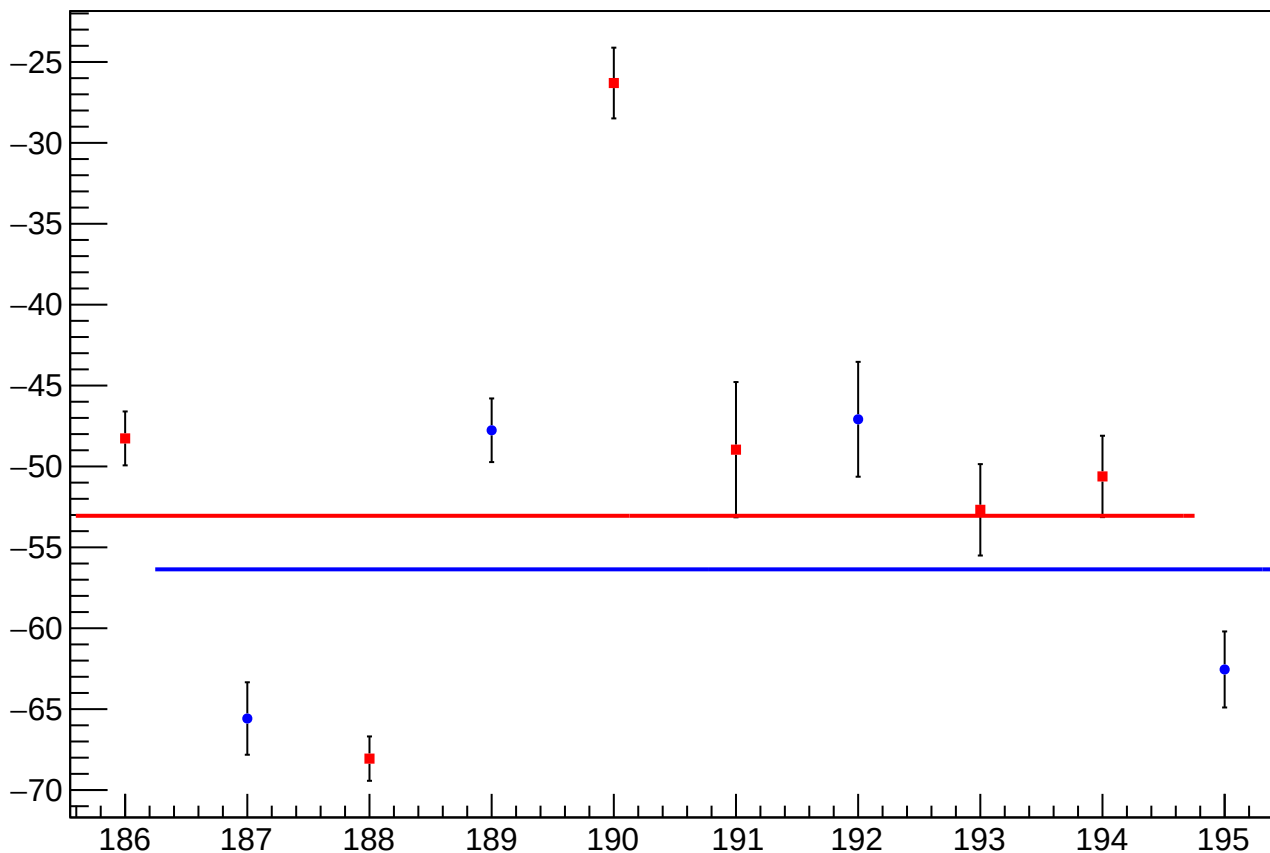
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.468 \pm 0.015$   $\chi^2/\text{NDF}$ : 1011.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usl\_diff\_bpm1X\_slope vs Slug



Right In:  $-56.360 \pm 1.180$   $\chi^2/\text{NDF}$ : 49.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-53.049 \pm 0.833$   $\chi^2/\text{NDF}$ : 279.8/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

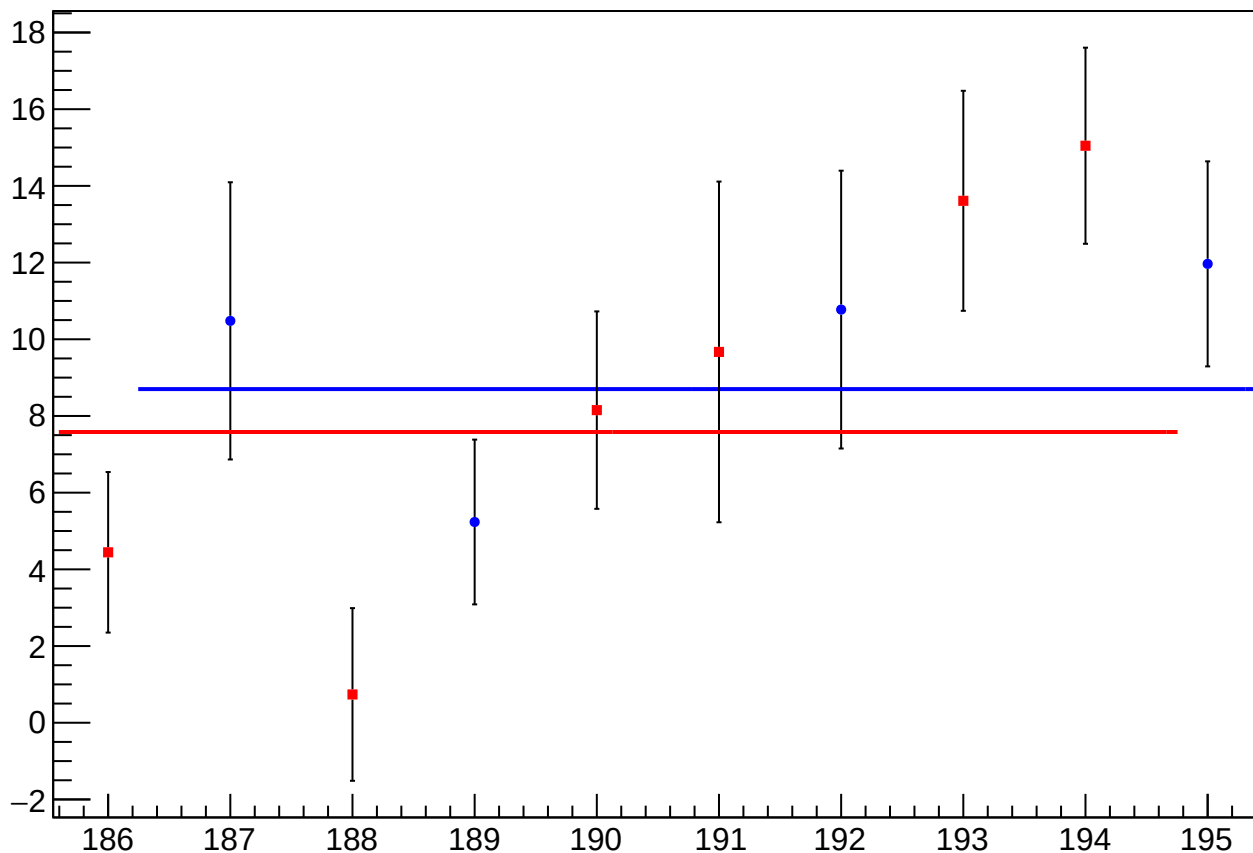
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-54.150 \pm 0.680$   $\chi^2/\text{NDF}$ : 334.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug



Right In: 8.701 $\pm$ 1.401  $\chi^2$ /NDF: 4.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.582 $\pm$ 1.053  $\chi^2$ /NDF: 24.7/5

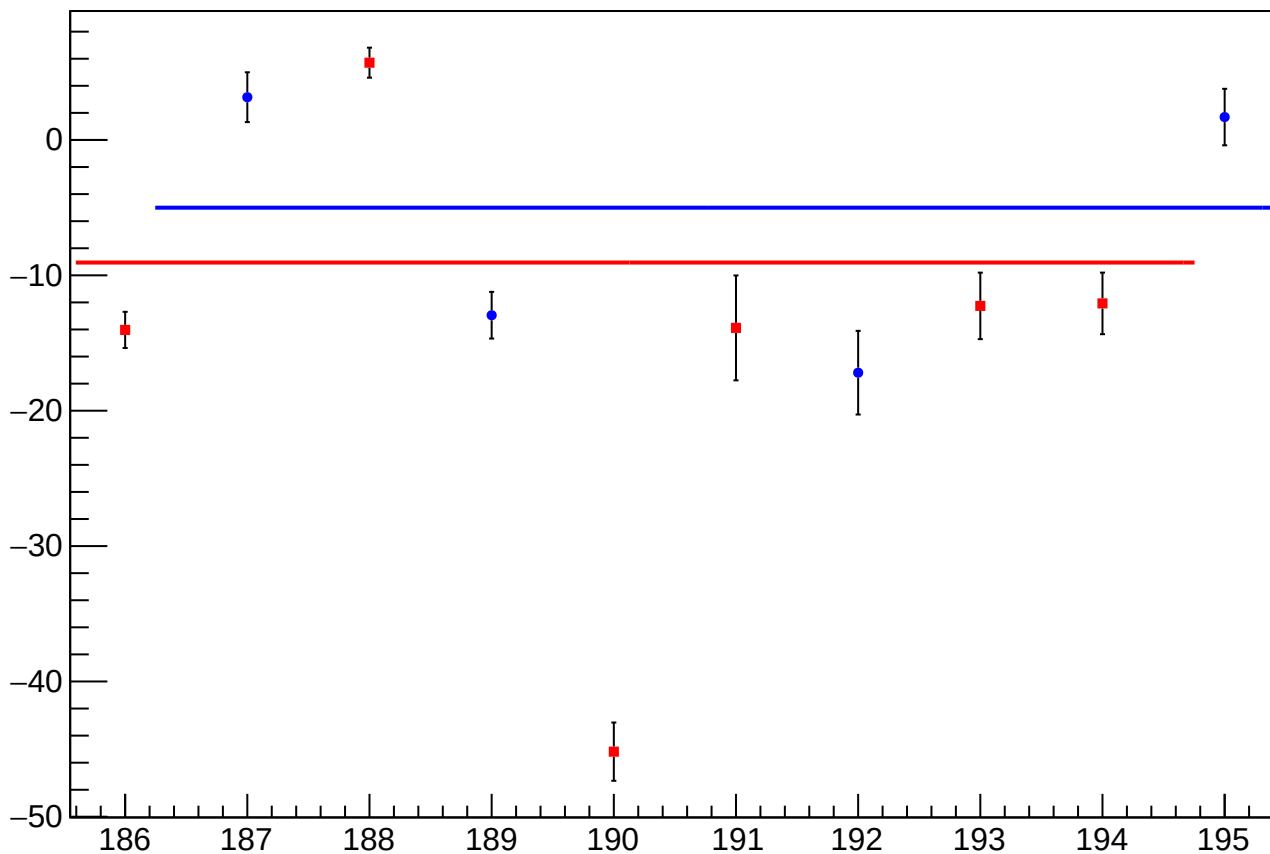
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.986 $\pm$ 0.842  $\chi^2$ /NDF: 29.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug



Right In: -5.003 $\pm$ 1.018  $\chi^2$ /NDF: 66.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -9.056 $\pm$ 0.705  $\chi^2$ /NDF: 478.0/5

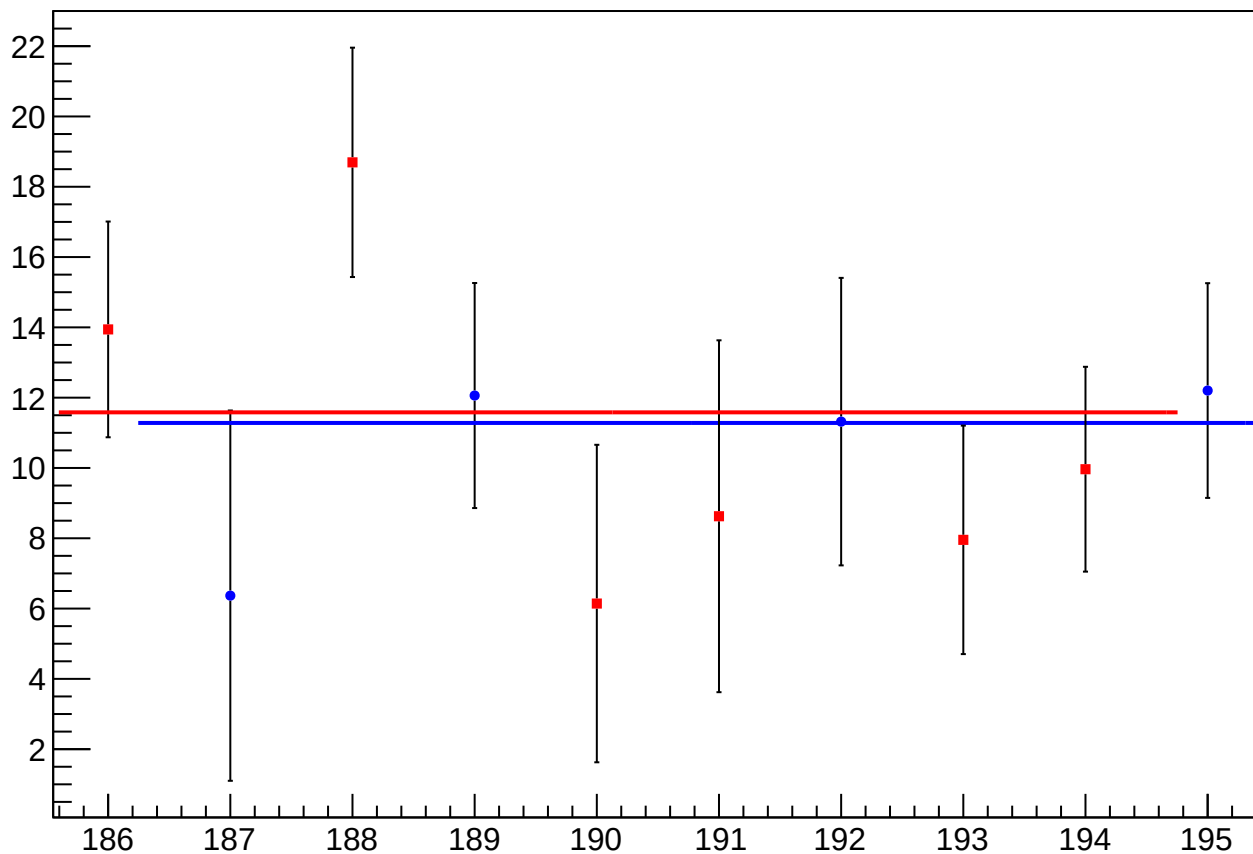
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.743 $\pm$ 0.579  $\chi^2$ /NDF: 555.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug



Right In: 11.281+/-1.824  $\chi^2/\text{NDF}$ : 1.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.582+/-1.412  $\chi^2/\text{NDF}$ : 8.7/5

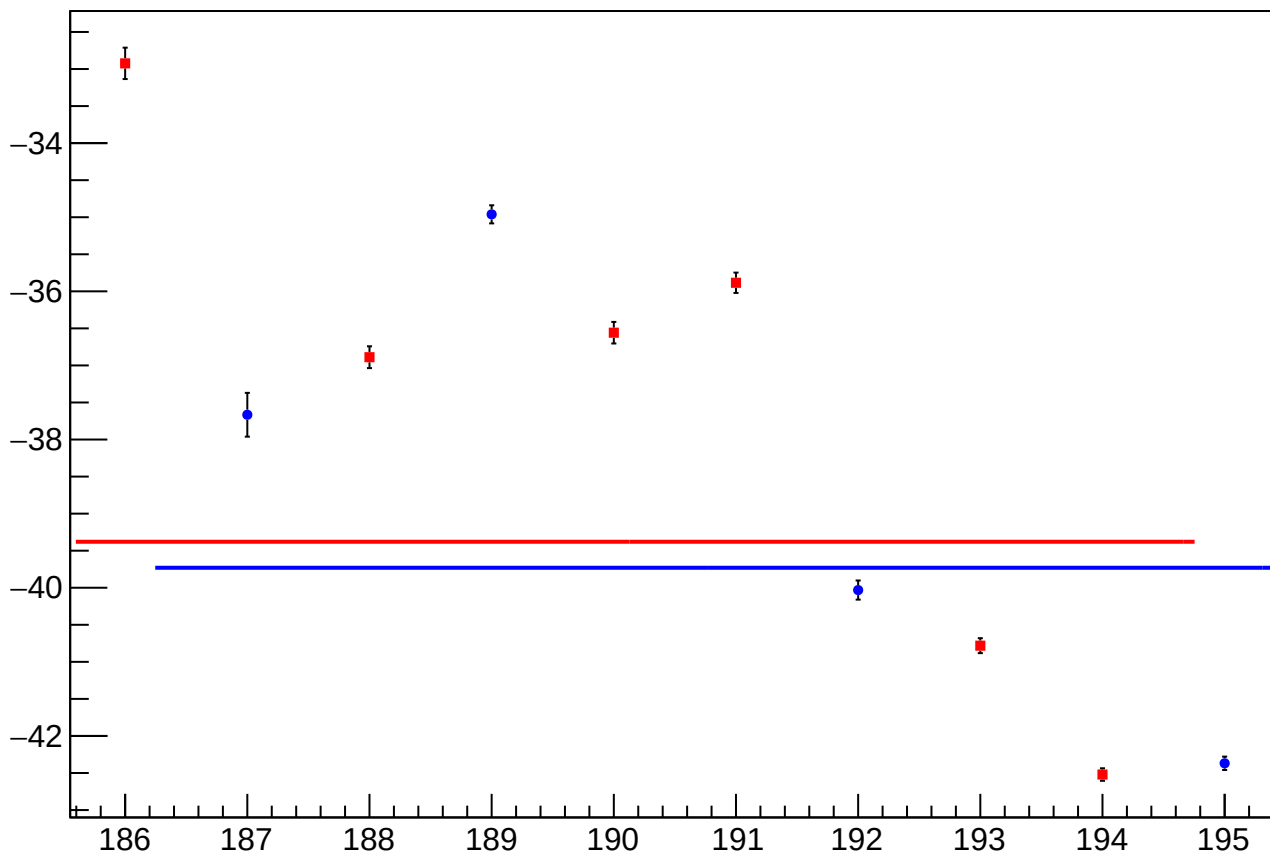
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.469+/-1.117  $\chi^2/\text{NDF}$ : 9.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug



Right In:  $-39.730 \pm 0.062$   $\chi^2/\text{NDF}$ : 2443.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.379 \pm 0.050$   $\chi^2/\text{NDF}$ : 3819.7/5

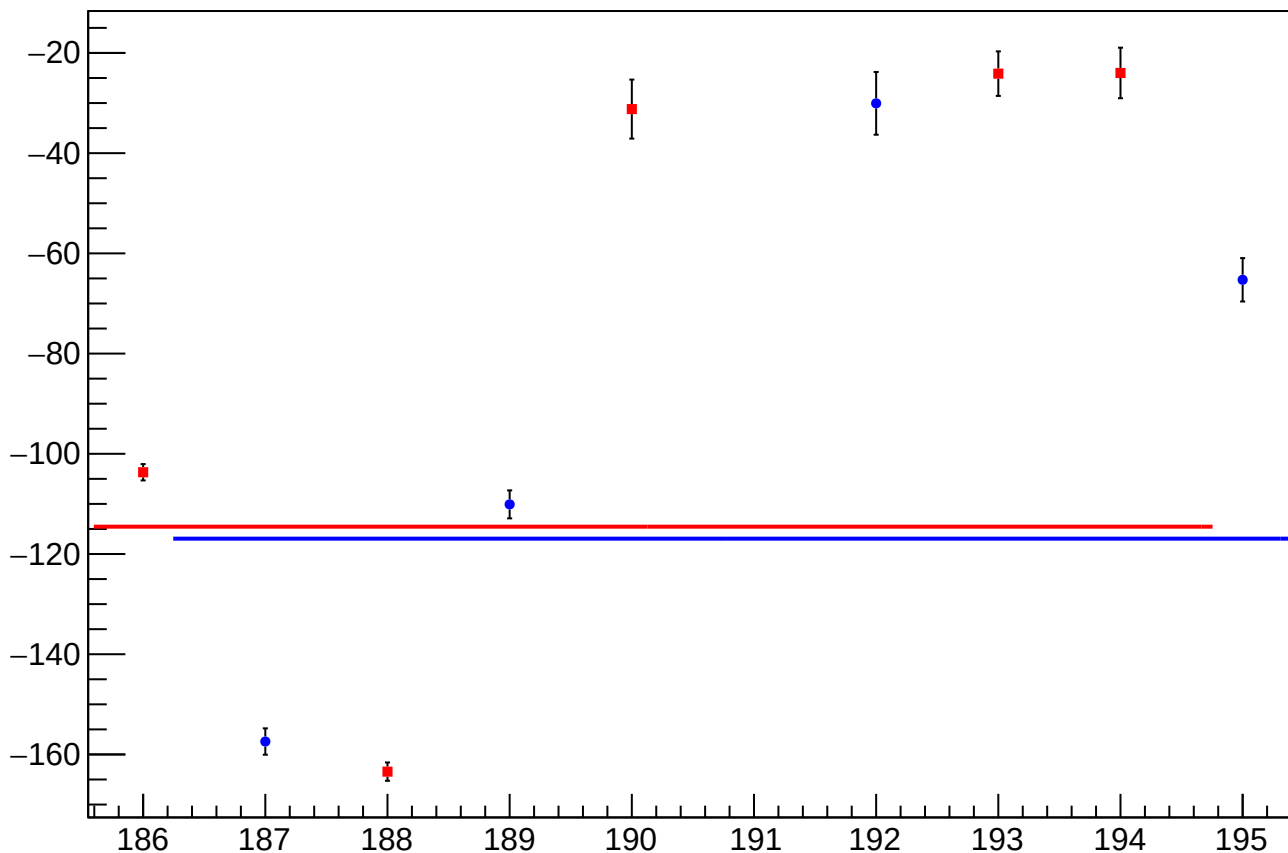
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-39.517 \pm 0.039$   $\chi^2/\text{NDF}$ : 6283.1/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usr\_diff\_bpm1X\_slope vs Slug



Right In:  $-116.935 \pm 1.687$   $\chi^2/\text{NDF}$ : 577.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-114.543 \pm 1.123$   $\chi^2/\text{NDF}$ : 1694.5/4

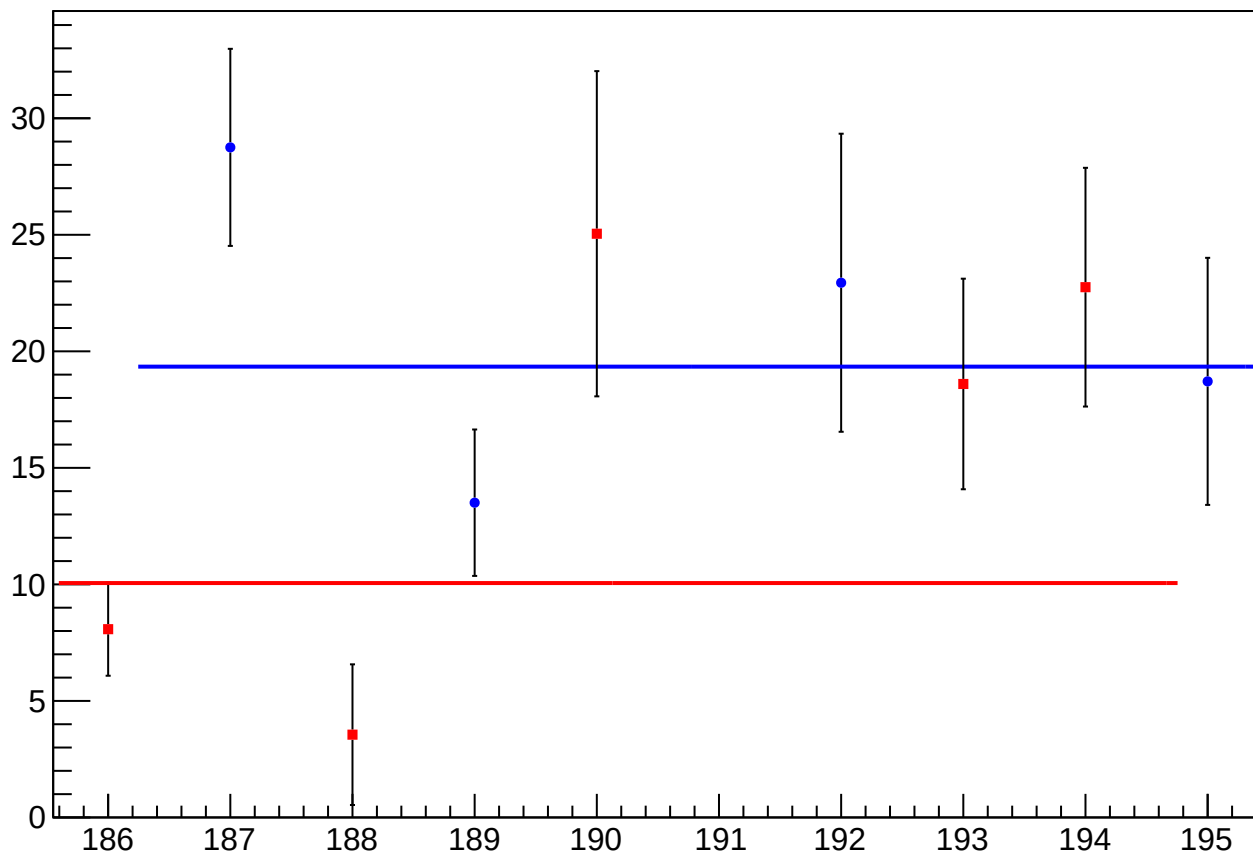
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-115.277 \pm 0.935$   $\chi^2/\text{NDF}$ : 2273.2/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug



Right In: 19.343 $\pm$ 2.145  $\chi^2$ /NDF: 8.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 10.057 $\pm$ 1.462  $\chi^2$ /NDF: 20.0/4

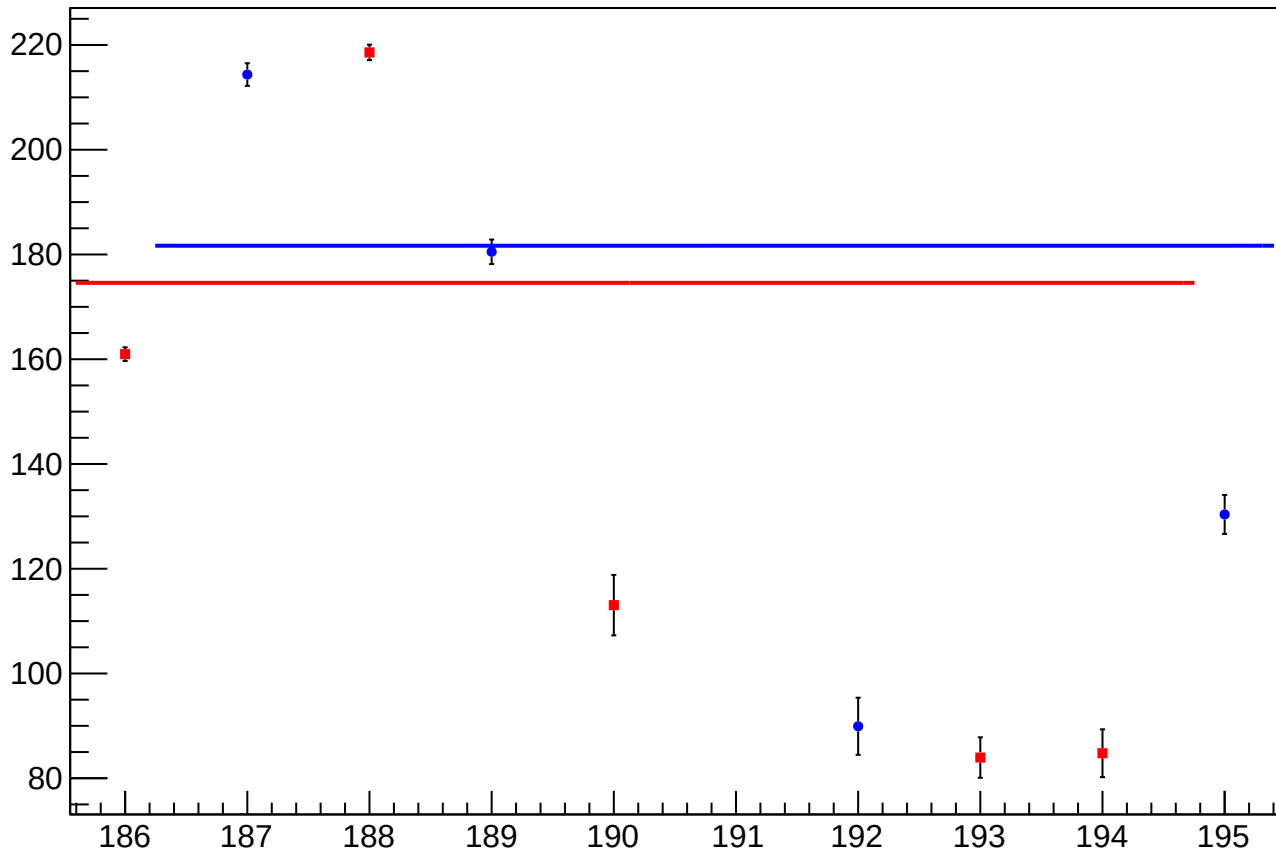
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 13.002 $\pm$ 1.208  $\chi^2$ /NDF: 41.5/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug



Right In: 181.673 $\pm$ 1.411  $\chi^2$ /NDF: 701.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 174.587 $\pm$ 0.916  $\chi^2$ /NDF: 2048.1/4

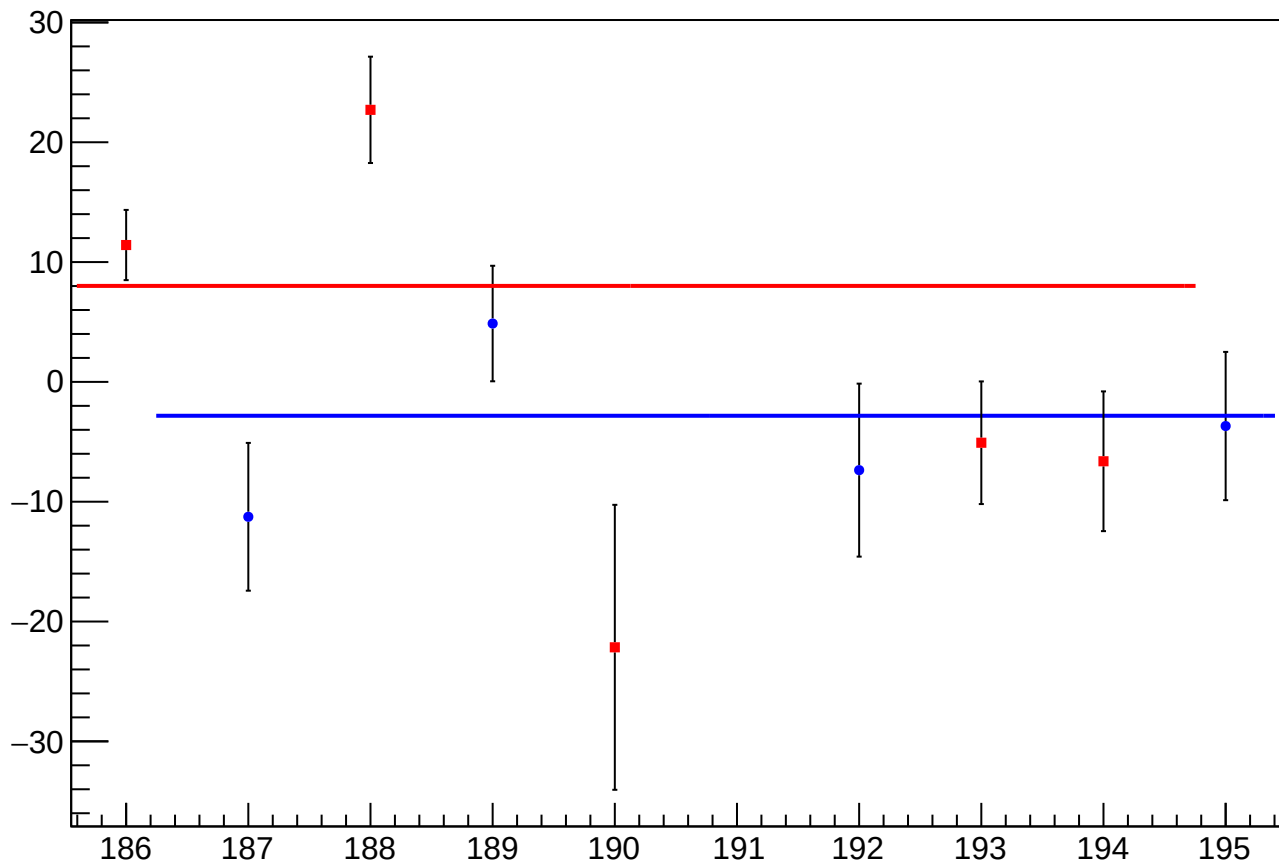
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 176.689 $\pm$ 0.768  $\chi^2$ /NDF: 2767.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug



Right In: -2.827 $\pm$ 2.954  $\chi^2$ /NDF: 4.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 8.011 $\pm$ 2.033  $\chi^2$ /NDF: 31.6/4

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

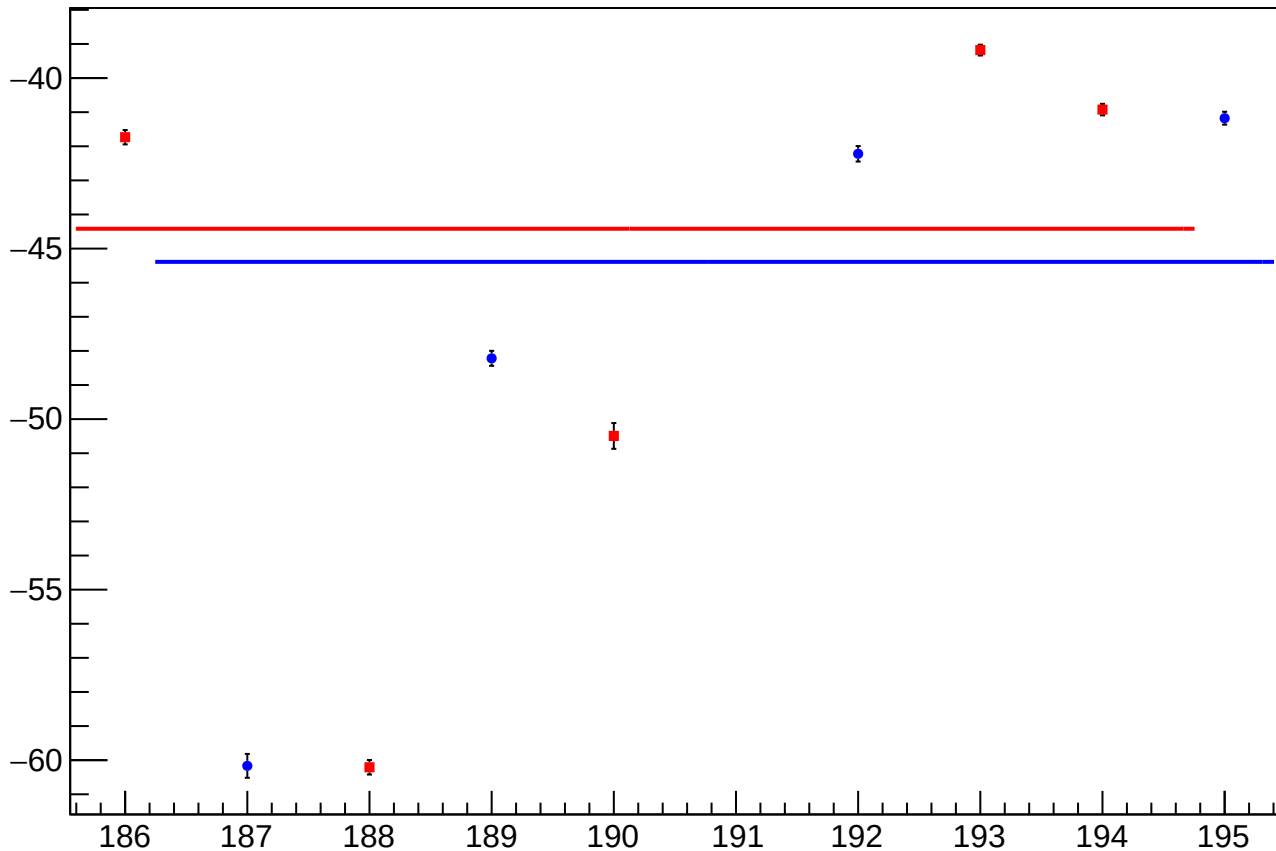
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.526 $\pm$ 1.675  $\chi^2$ /NDF: 45.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug



Right In:  $-45.389 \pm 0.115$   $\chi^2/\text{NDF}: 2636.5/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-44.418 \pm 0.089$   $\chi^2/\text{NDF}: 7421.9/4$

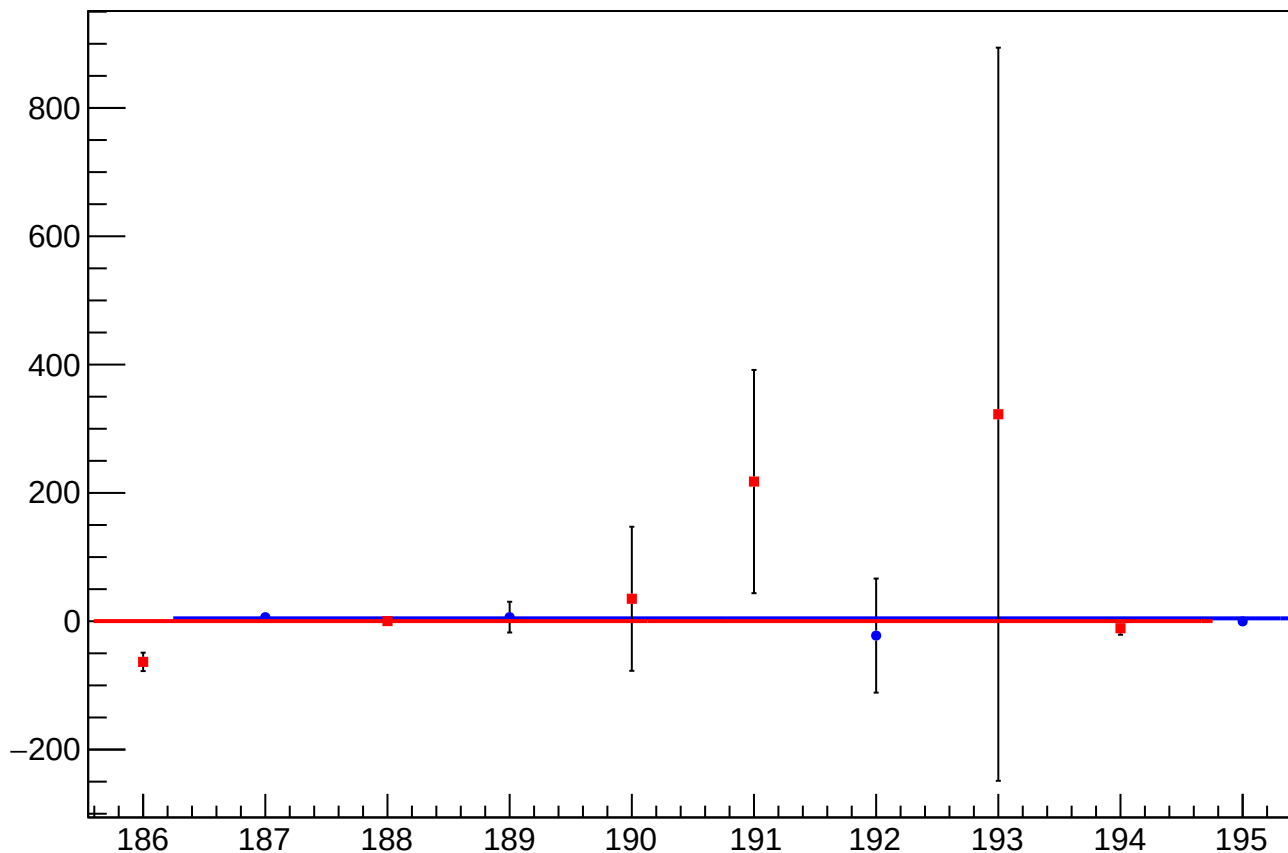
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-44.783 \pm 0.070$   $\chi^2/\text{NDF}: 10103.2/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_dsl\_diff\_bpm1X\_slope vs Slug



Right In: 4.510 $\pm$ 2.545  $\chi^2$ /NDF: 1.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.226 $\pm$ 0.158  $\chi^2$ /NDF: 22.9/5

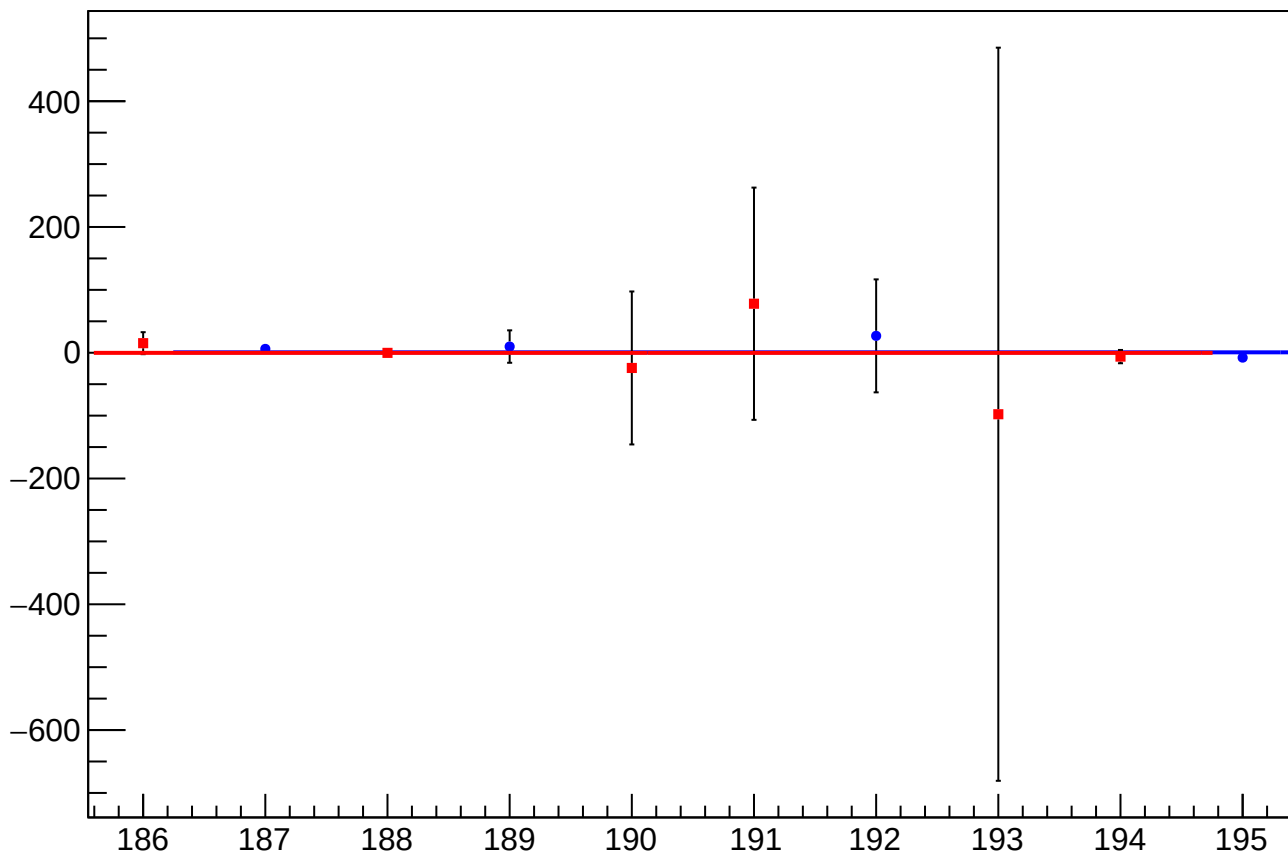
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.242 $\pm$ 0.158  $\chi^2$ /NDF: 27.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug



Right In:  $0.657 \pm 3.681$   $\chi^2/\text{NDF}$ : 3.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.192 \pm 0.262$   $\chi^2/\text{NDF}$ : 1.3/5

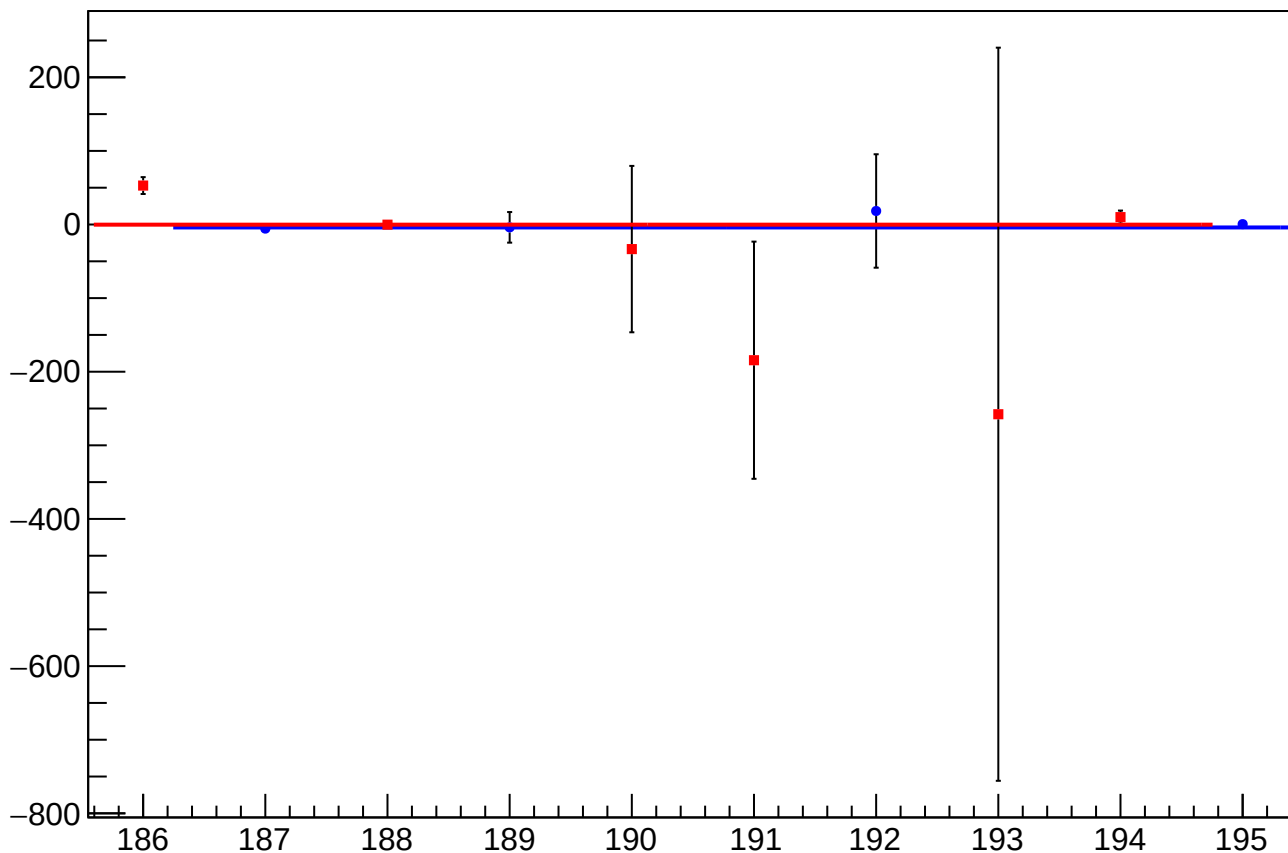
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.187 \pm 0.261$   $\chi^2/\text{NDF}$ : 5.0/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug



Right In:  $-4.003 \pm 2.123$   $\chi^2/\text{NDF}$ : 1.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.208 \pm 0.128$   $\chi^2/\text{NDF}$ : 24.5/5

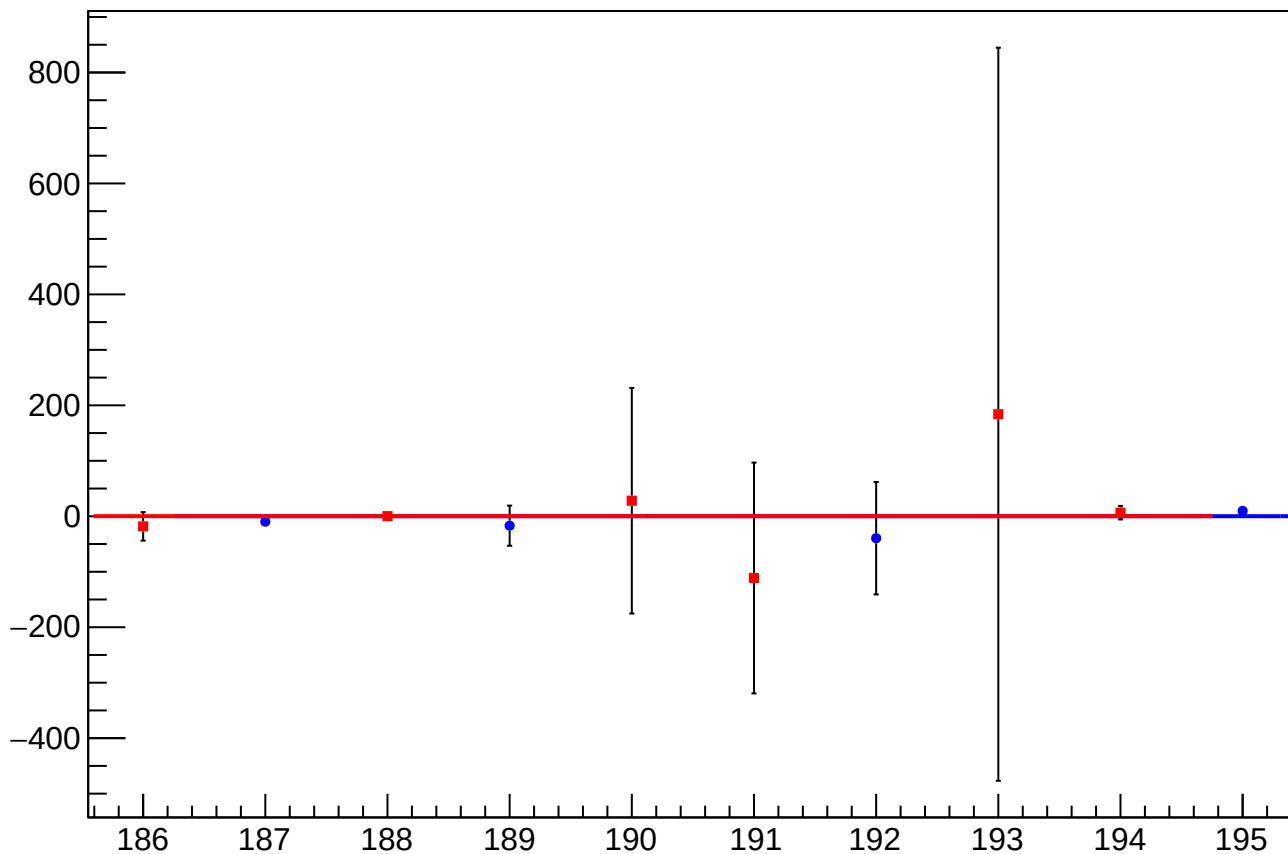
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.221 \pm 0.127$   $\chi^2/\text{NDF}$ : 29.3/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug



Right In: 0.135 $\pm$ 4.822  $\chi^2$ /NDF: 4.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.212 $\pm$ 0.385  $\chi^2$ /NDF: 1.2/5

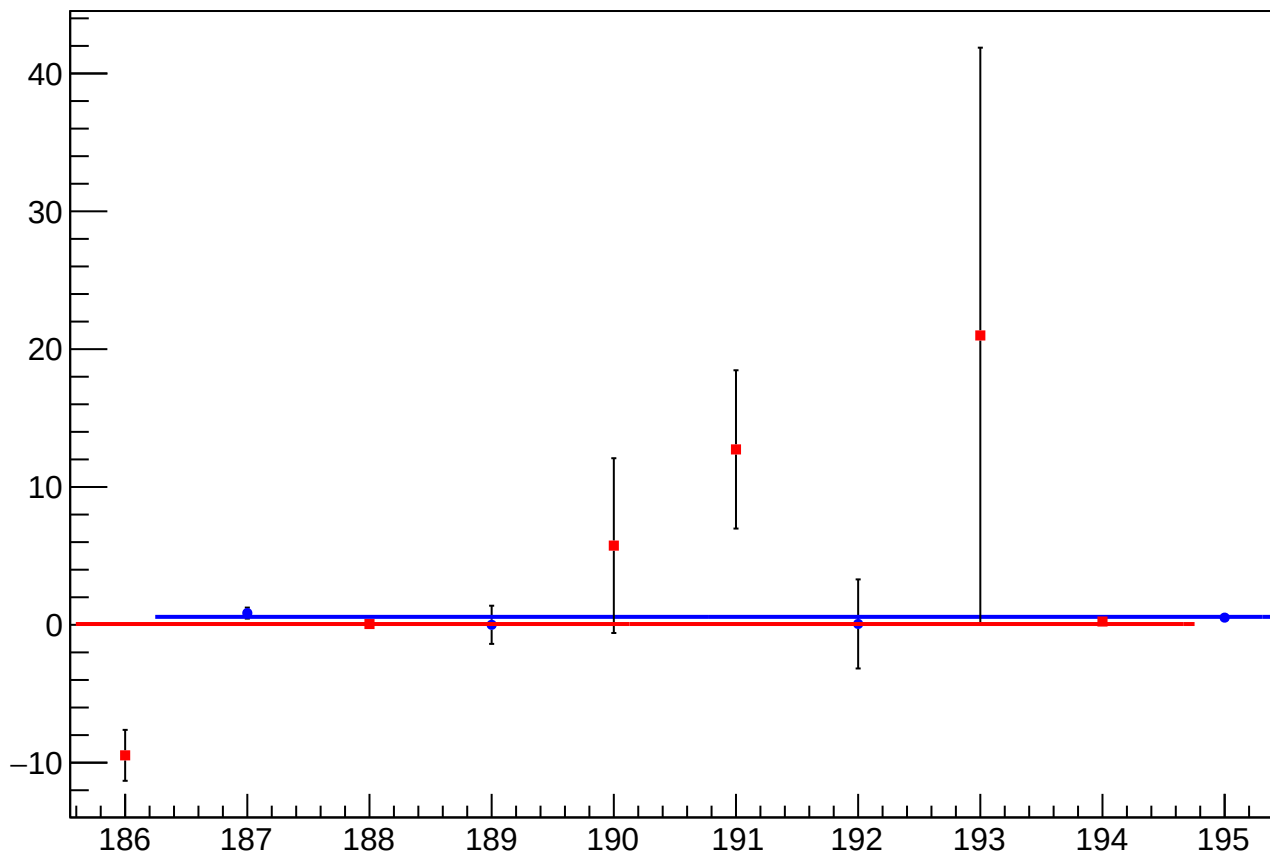
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.212 $\pm$ 0.383  $\chi^2$ /NDF: 5.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug



Right In: 0.578 $\pm$ 0.178  $\chi^2$ /NDF: 0.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.059 $\pm$ 0.019  $\chi^2$ /NDF: 33.5/5

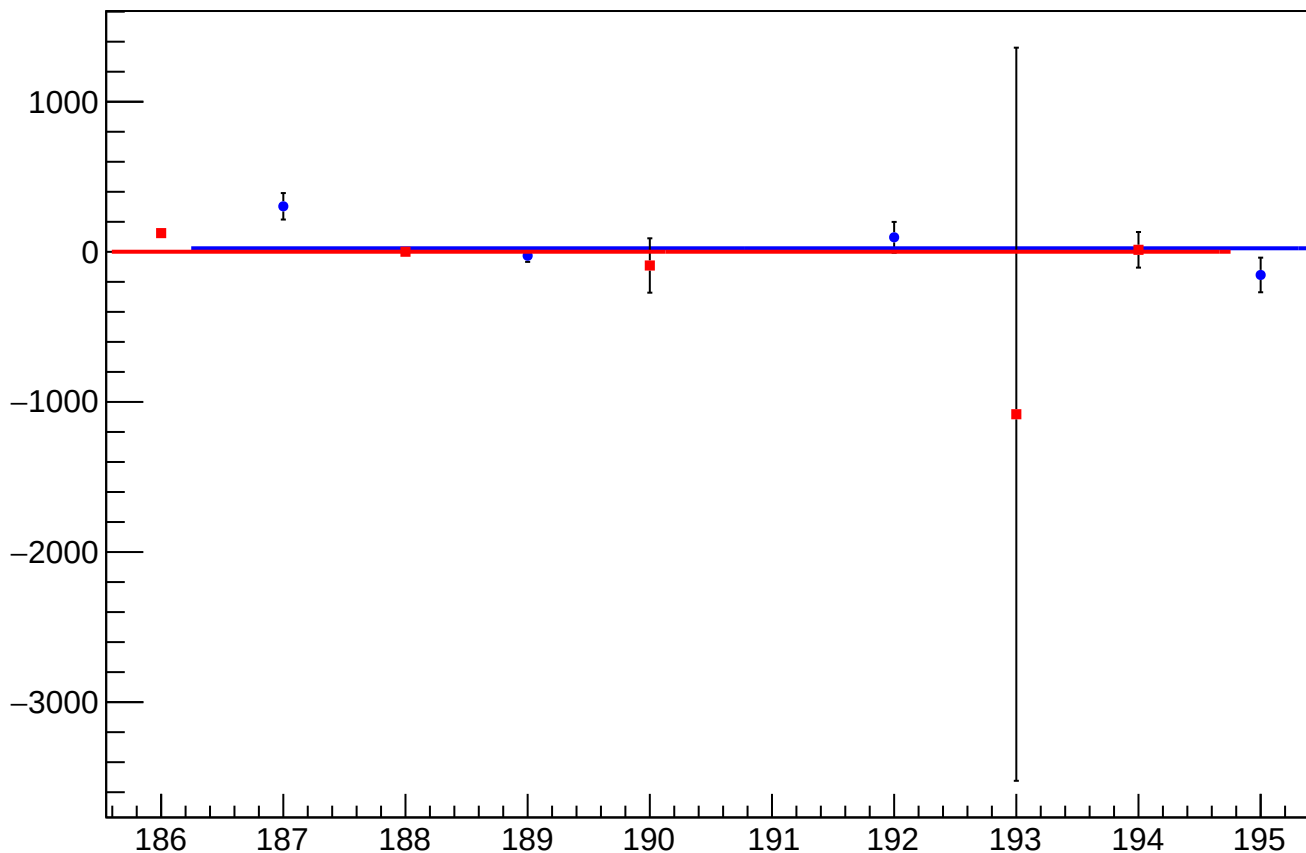
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.065 $\pm$ 0.018  $\chi^2$ /NDF: 42.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsr\_diff\_bpm1X\_slope vs Slug



Right In: 23.664 $\pm$ 33.434  $\chi^2$ /NDF: 14.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.740 $\pm$ 0.201  $\chi^2$ /NDF: 43.9/4

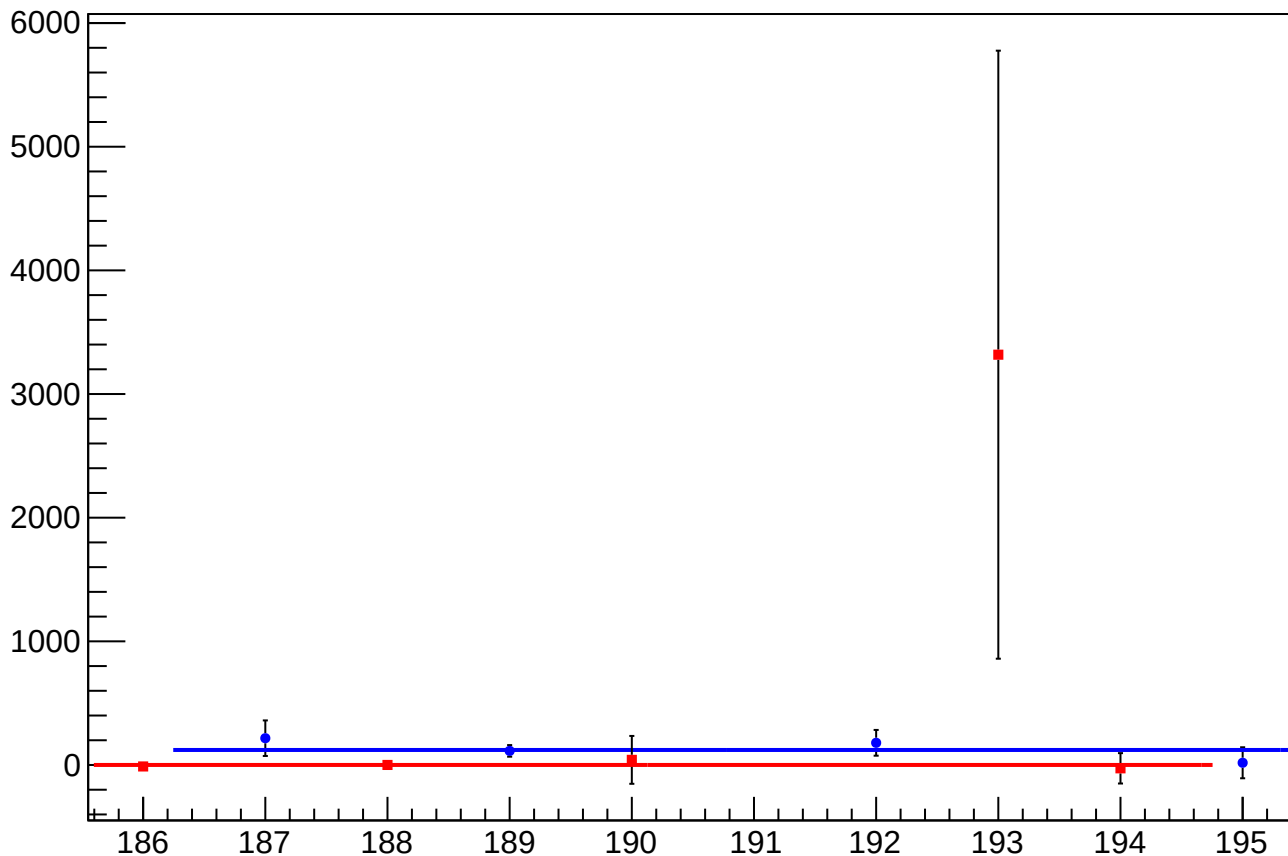
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.741 $\pm$ 0.201  $\chi^2$ /NDF: 58.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug



Right In: 121.443 +/- 38.951  $\chi^2/\text{NDF}$ : 1.5/3

Left Out: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.298 +/- 0.332  $\chi^2/\text{NDF}$ : 2.2/4

Left In: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

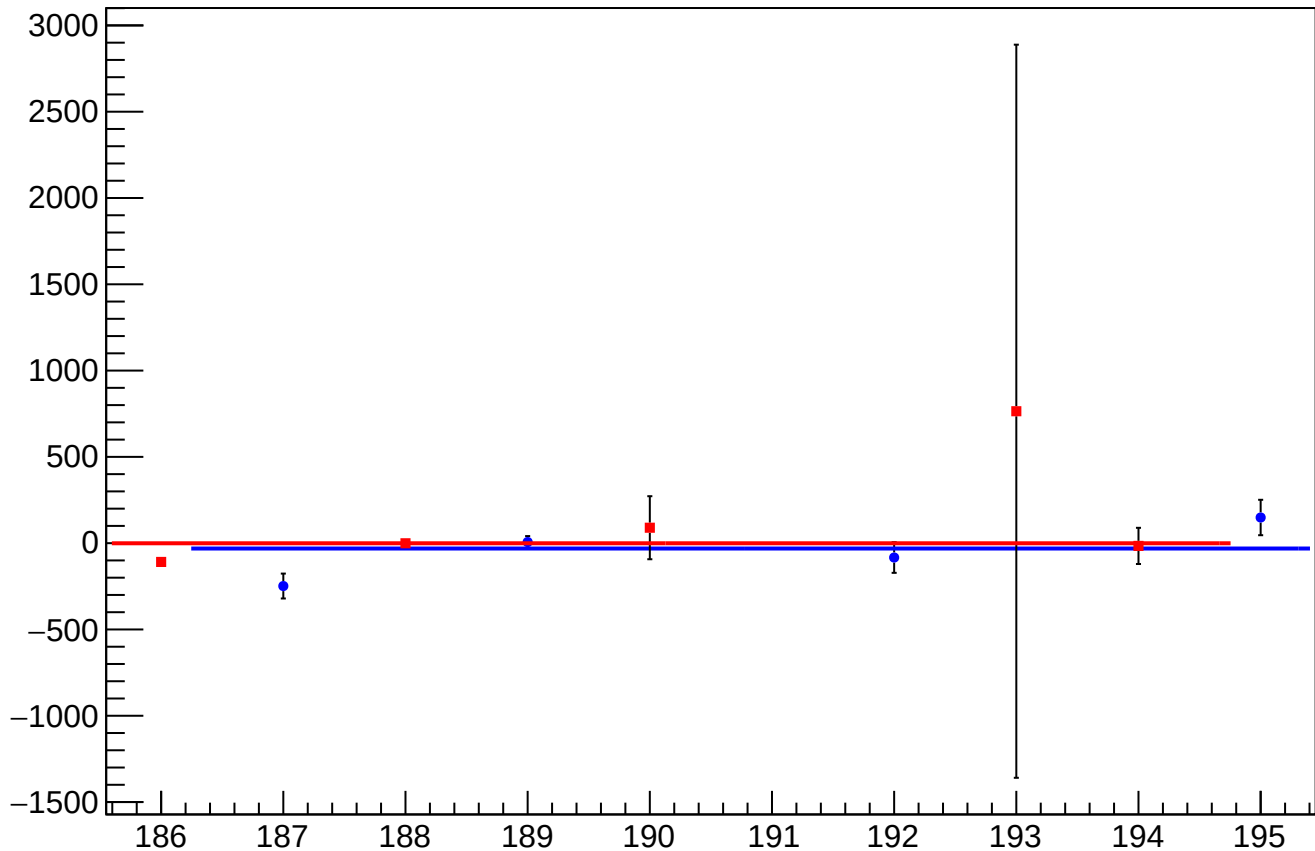
+ sign 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.307 +/- 0.332  $\chi^2/\text{NDF}$ : 13.3/8

- sign 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug



Right In:  $-31.004 \pm 28.273$   $\chi^2/\text{NDF}$ : 13.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.632 \pm 0.162$   $\chi^2/\text{NDF}$ : 51.6/4

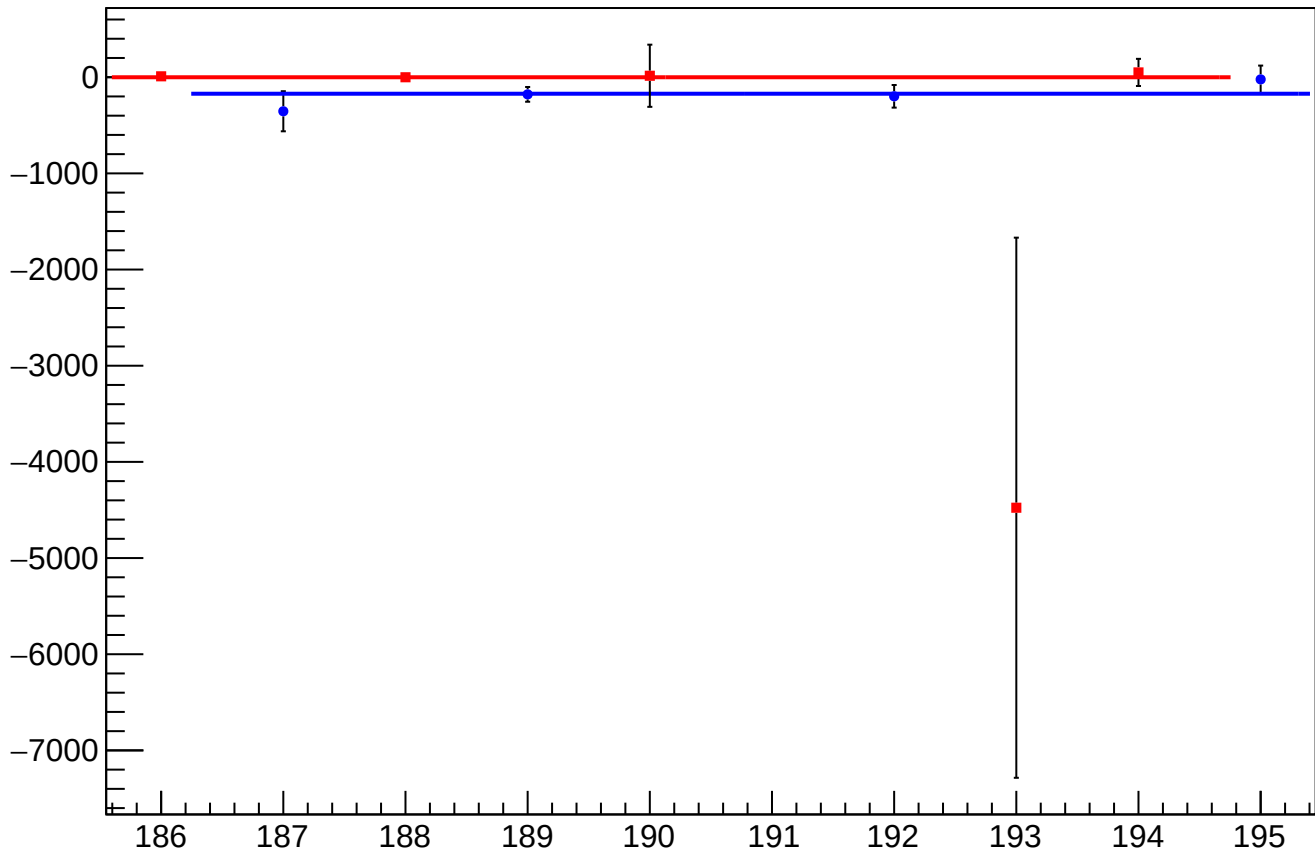
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.633 \pm 0.162$   $\chi^2/\text{NDF}$ : 66.4/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug



Right In:  $-171.787 \pm 56.442$   $\chi^2/\text{NDF}$ : 1.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.490 \pm 0.488$   $\chi^2/\text{NDF}$ : 2.8/4

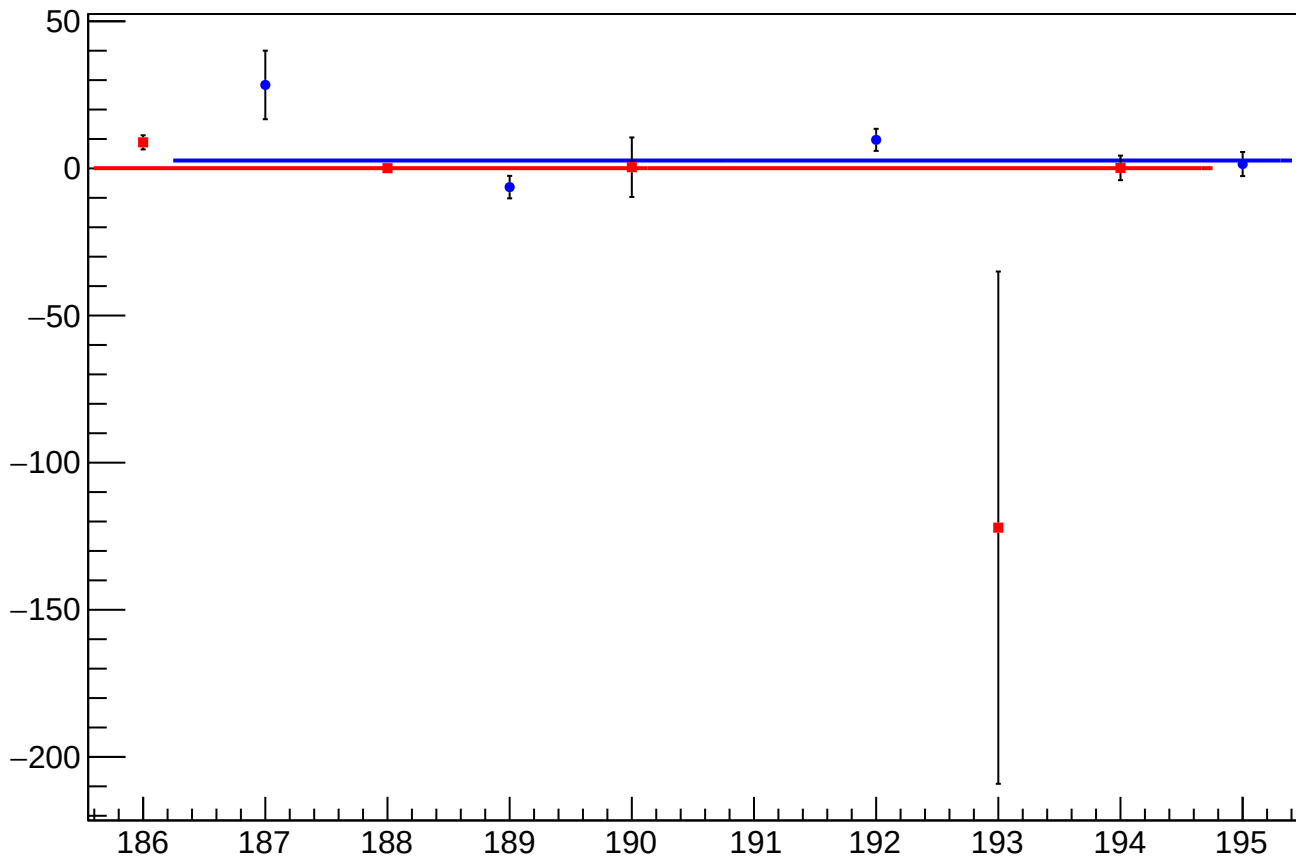
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.503 \pm 0.488$   $\chi^2/\text{NDF}$ : 13.9/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug



Right In: 2.682 $\pm$ 2.200  $\chi^2$ /NDF: 14.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.076 $\pm$ 0.024  $\chi^2$ /NDF: 15.3/4

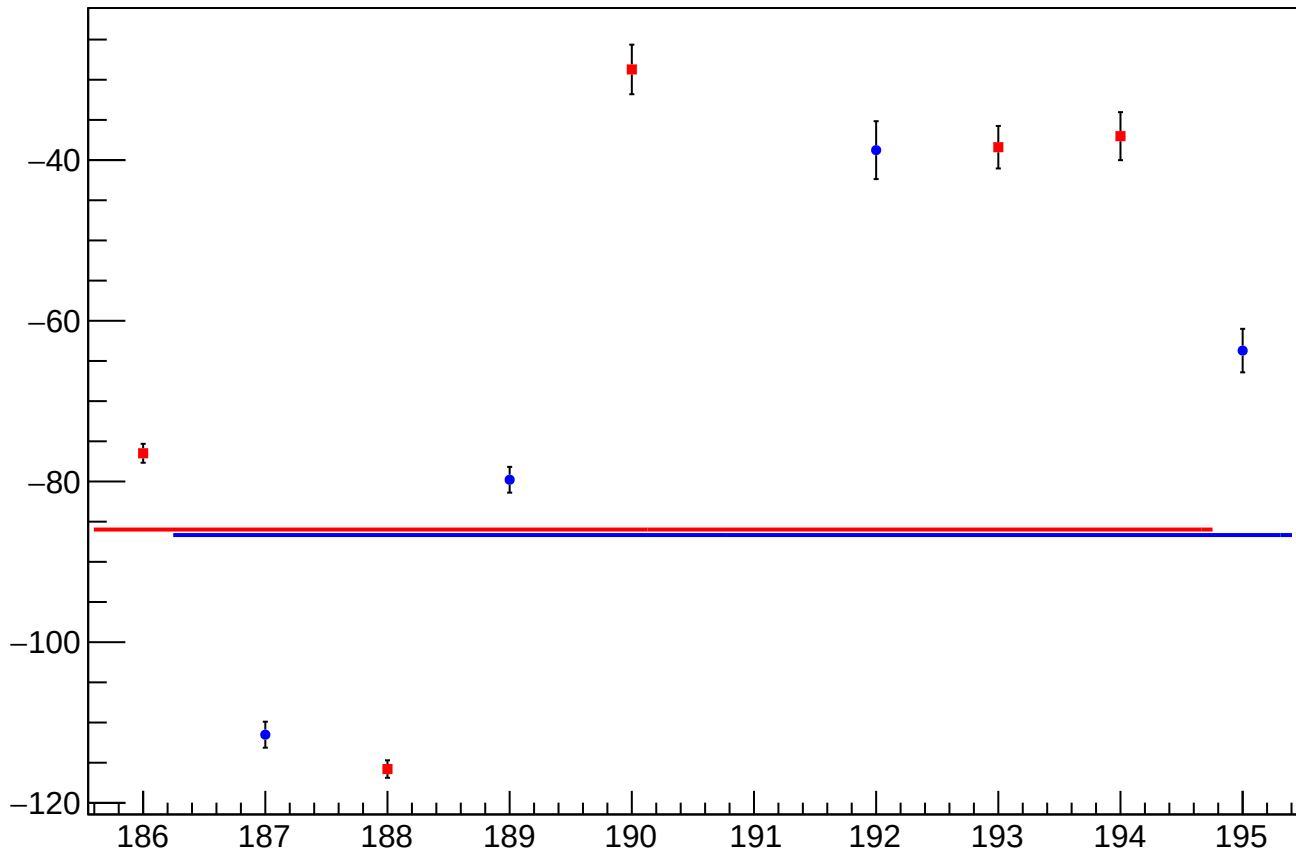
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.076 $\pm$ 0.023  $\chi^2$ /NDF: 30.8/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -86.666+/-1.008  $\chi^2/\text{NDF}$ : 503.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -85.981+/-0.721  $\chi^2/\text{NDF}$ : 1750.7/4

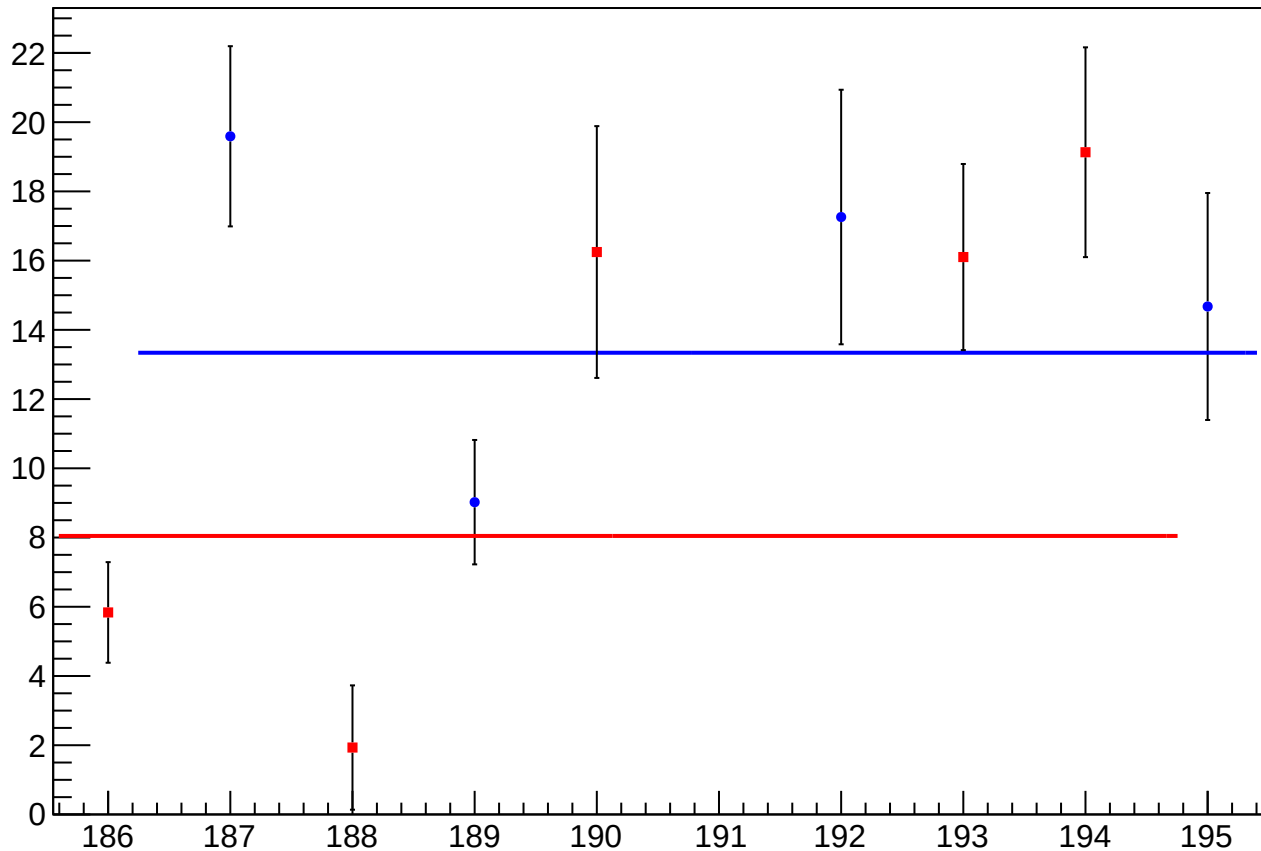
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -86.213+/-0.586  $\chi^2/\text{NDF}$ : 2254.2/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 13.339+/-1.266  $\chi^2/\text{NDF}$ : 12.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.046+/-0.951  $\chi^2/\text{NDF}$ : 41.3/4

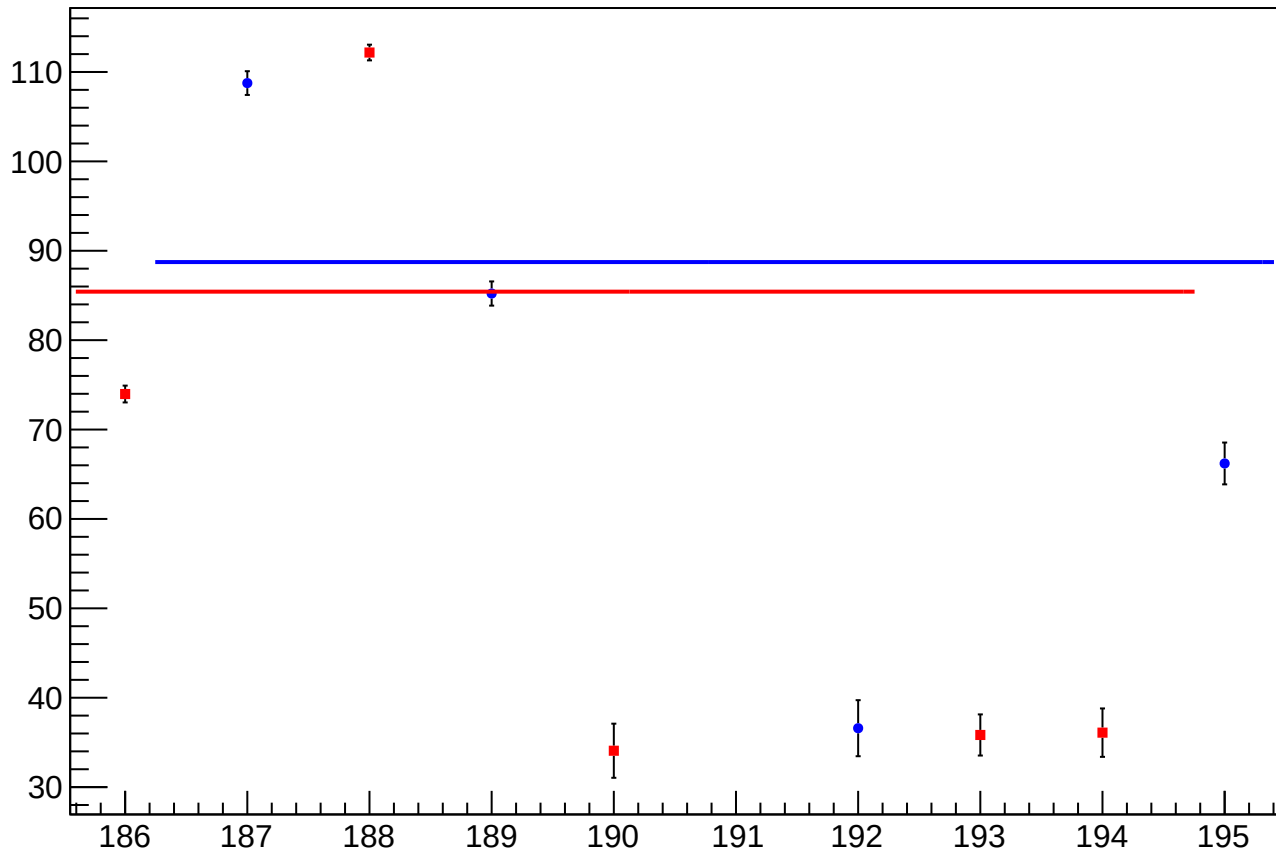
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.955+/-0.760  $\chi^2/\text{NDF}$ : 65.4/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 88.737+/-0.846  $\chi^2/\text{NDF}$ : 603.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 85.427+/-0.591  $\chi^2/\text{NDF}$ : 2158.7/4

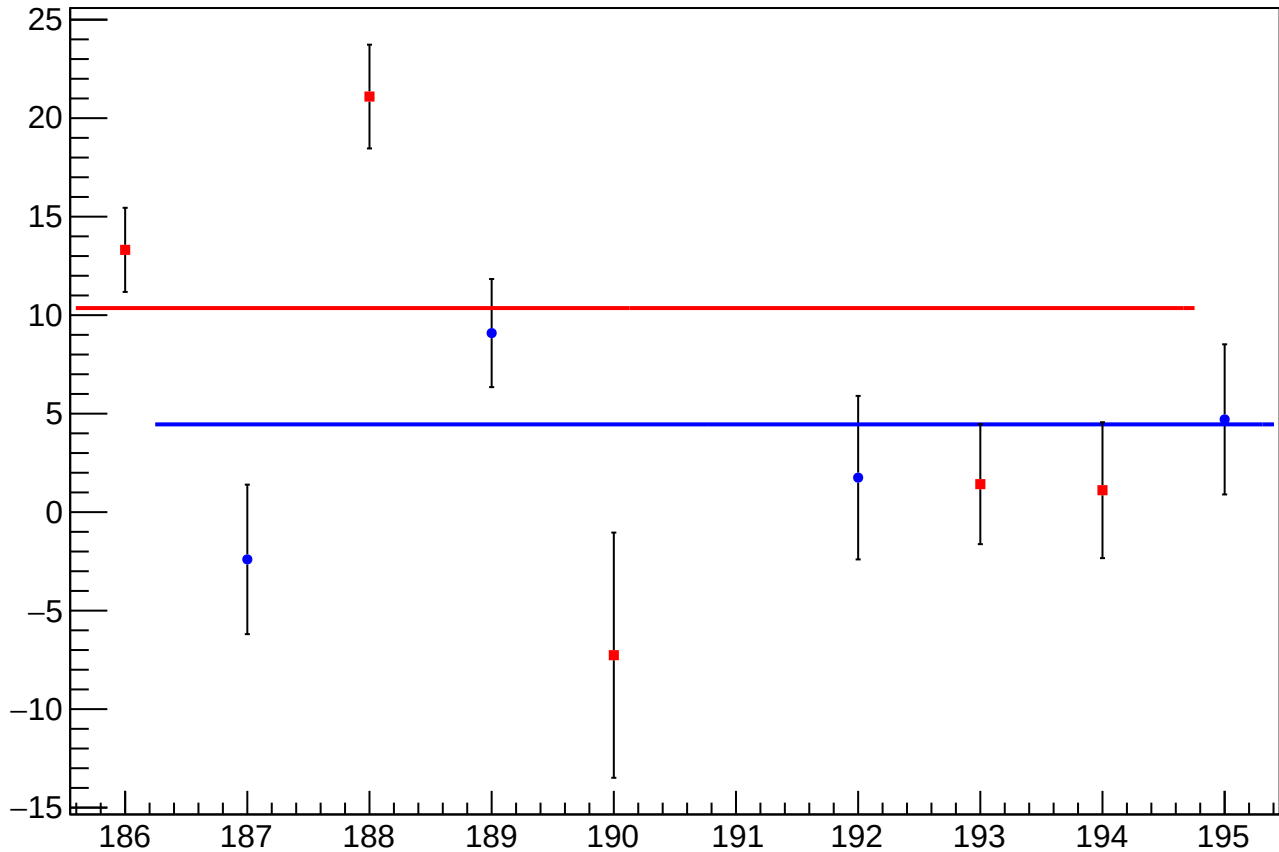
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 86.513+/-0.485  $\chi^2/\text{NDF}$ : 2772.1/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 4.455+/-1.743  $\chi^2/\text{NDF}$ : 6.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.359+/-1.312  $\chi^2/\text{NDF}$ : 42.4/4

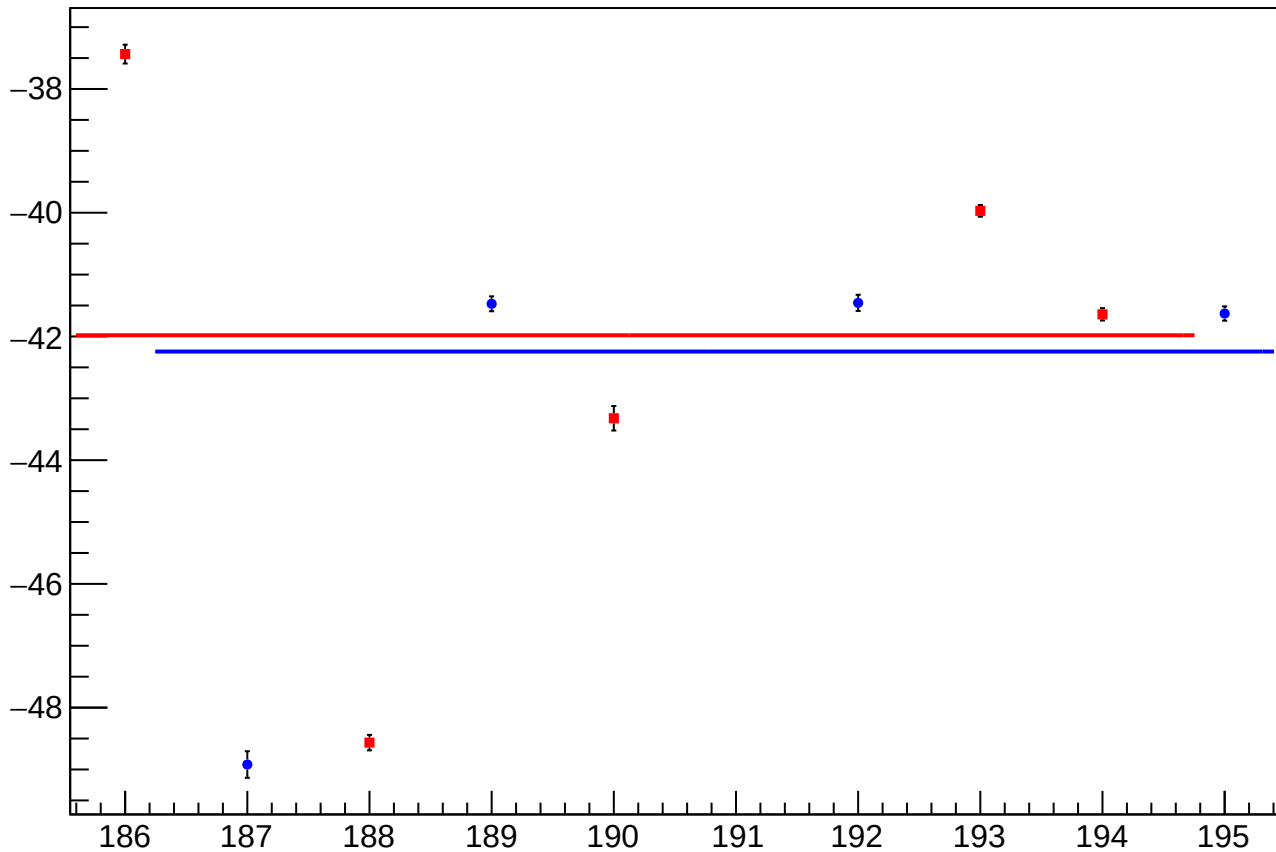
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.225+/-1.048  $\chi^2/\text{NDF}$ : 56.2/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-42.244 \pm 0.067$   $\chi^2/\text{NDF}$ : 1072.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-41.981 \pm 0.054$   $\chi^2/\text{NDF}$ : 4173.1/4

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

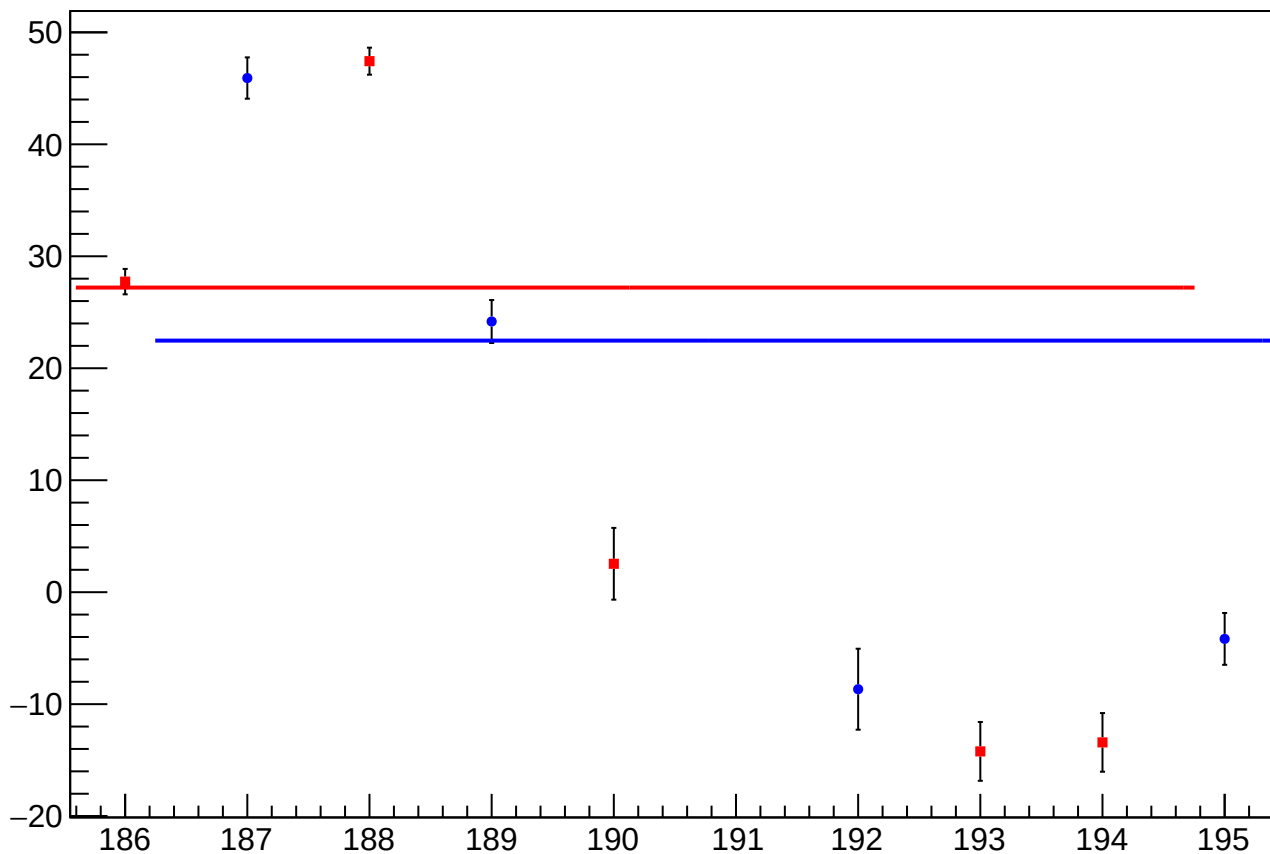
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-42.085 \pm 0.042$   $\chi^2/\text{NDF}$ : 5254.7/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_us\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 22.469+/-1.098  $\chi^2/\text{NDF}$ : 368.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 27.205+/-0.735  $\chi^2/\text{NDF}$ : 830.0/4

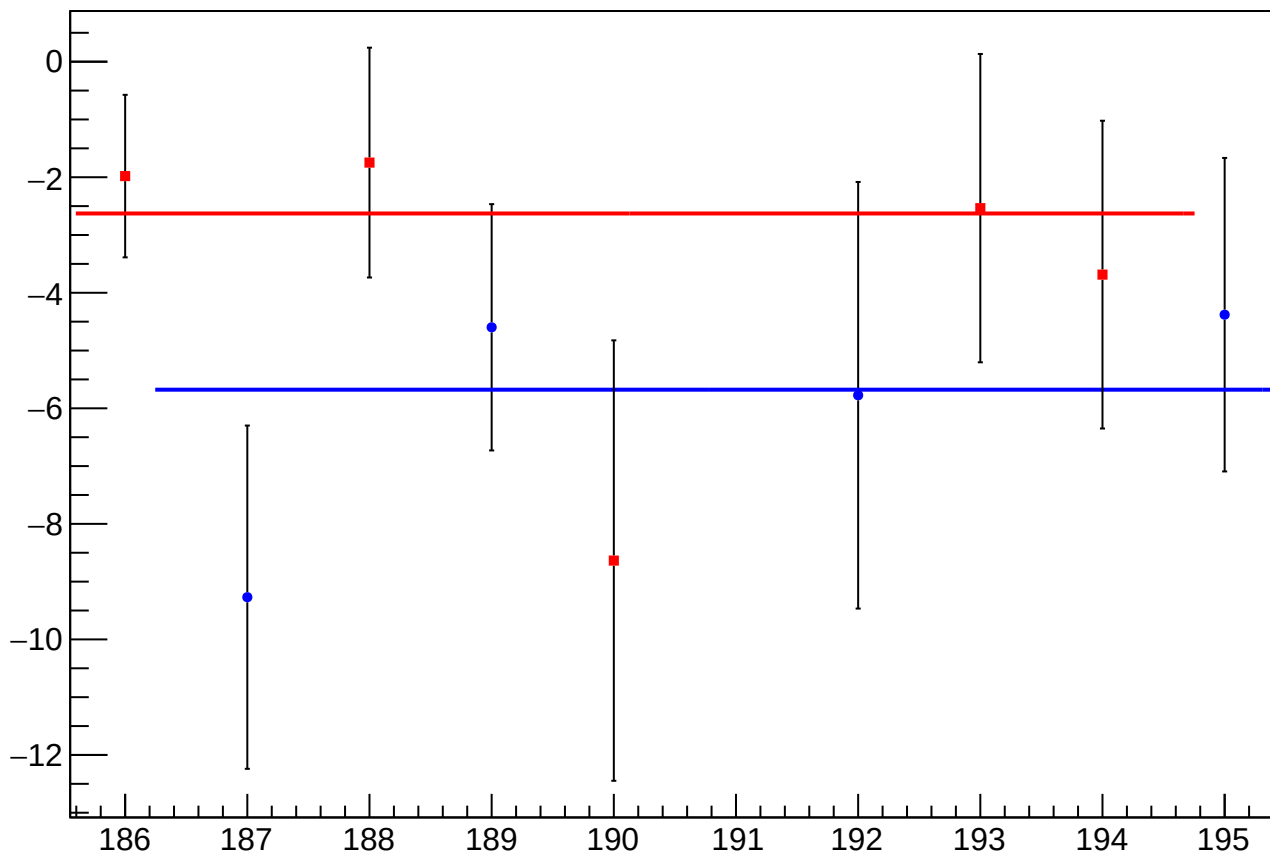
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 25.741+/-0.611  $\chi^2/\text{NDF}$ : 1211.8/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-5.678 \pm 1.358$   $\chi^2/\text{NDF}$ : 1.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.627 \pm 0.950$   $\chi^2/\text{NDF}$ : 3.1/4

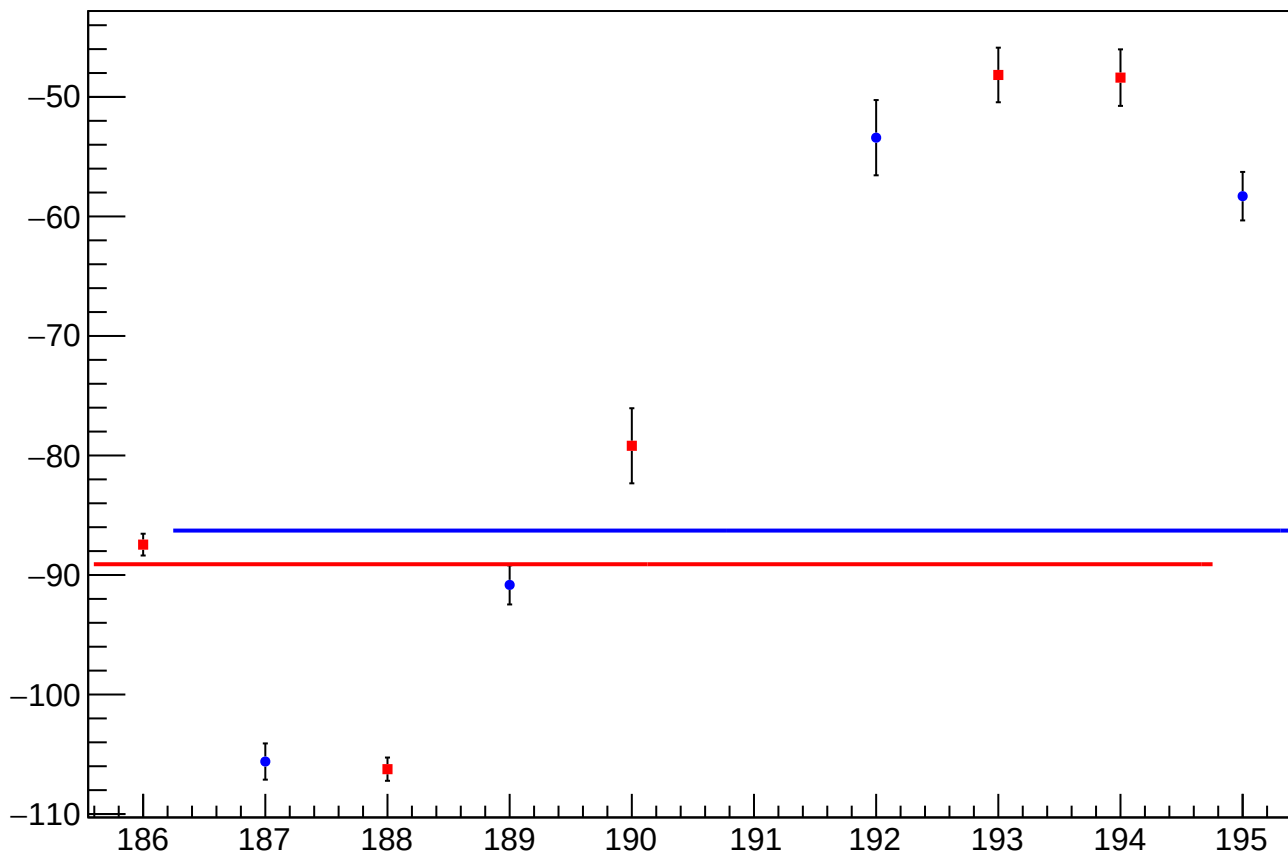
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.630 \pm 0.778$   $\chi^2/\text{NDF}$ : 8.4/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: -86.283+/-0.931  $\chi^2/\text{NDF}$ : 469.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -89.099+/-0.605  $\chi^2/\text{NDF}$ : 941.3/4

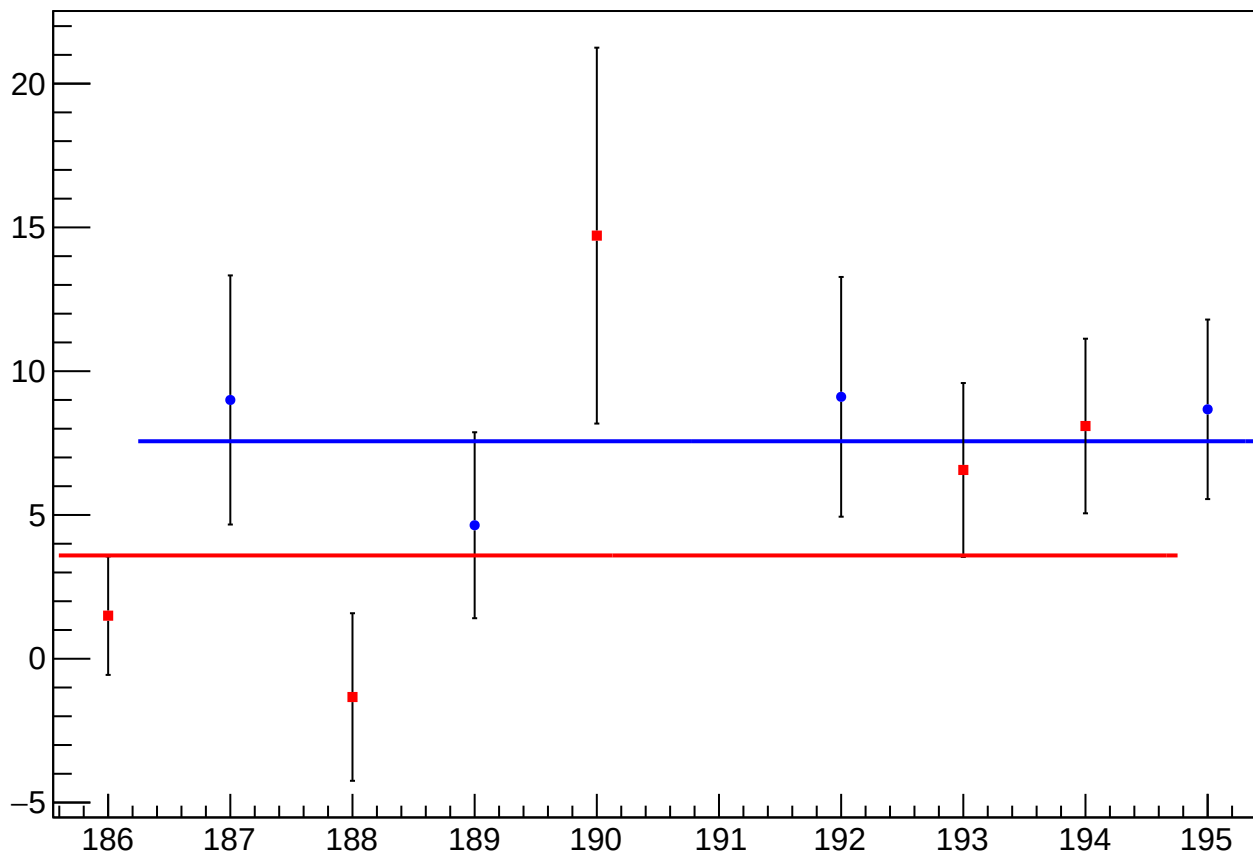
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -88.263+/-0.507  $\chi^2/\text{NDF}$ : 1417.1/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 7.564 $\pm$ 1.799  $\chi^2$ /NDF: 1.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.592 $\pm$ 1.297  $\chi^2$ /NDF: 9.9/4

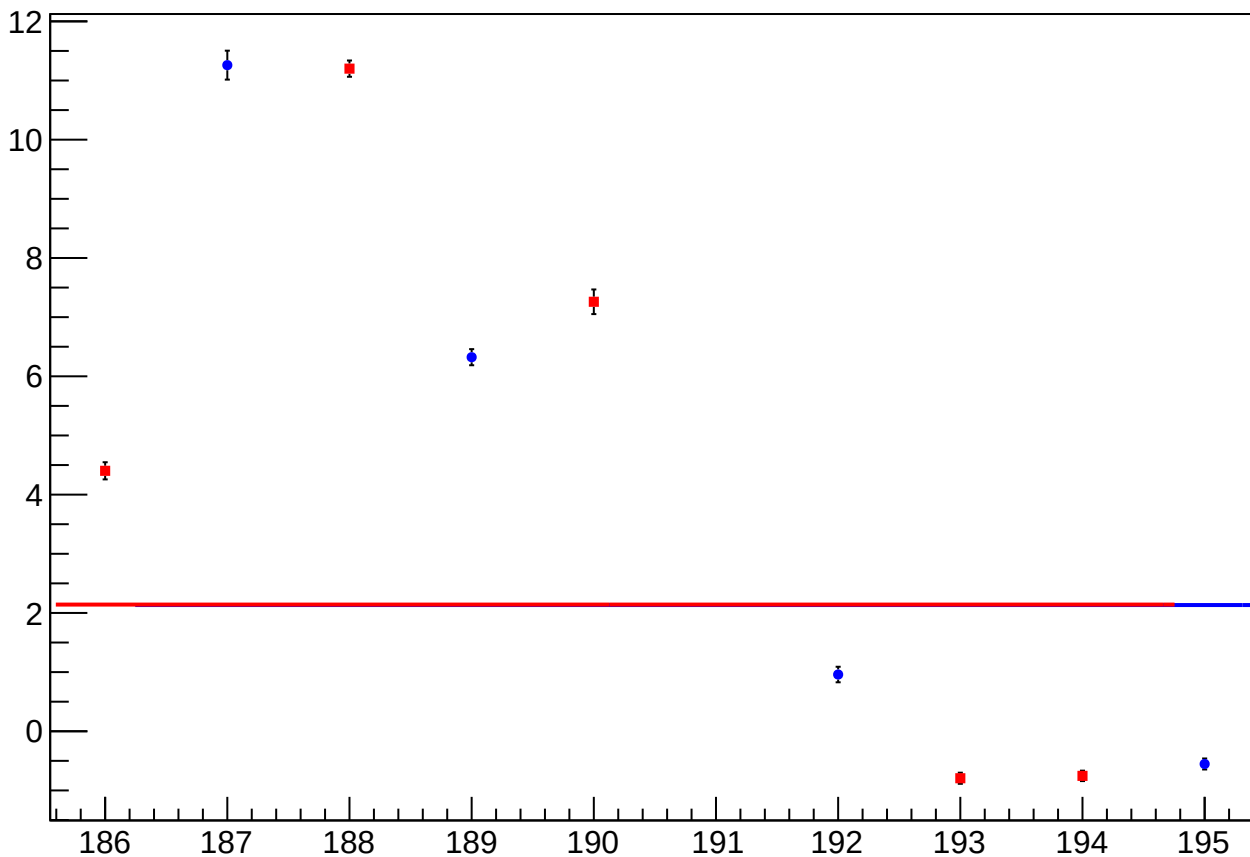
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.951 $\pm$ 1.052  $\chi^2$ /NDF: 14.3/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 2.134 $\pm$ 0.064  $\chi^2$ /NDF: 3253.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.141 $\pm$ 0.052  $\chi^2$ /NDF: 7243.6/4

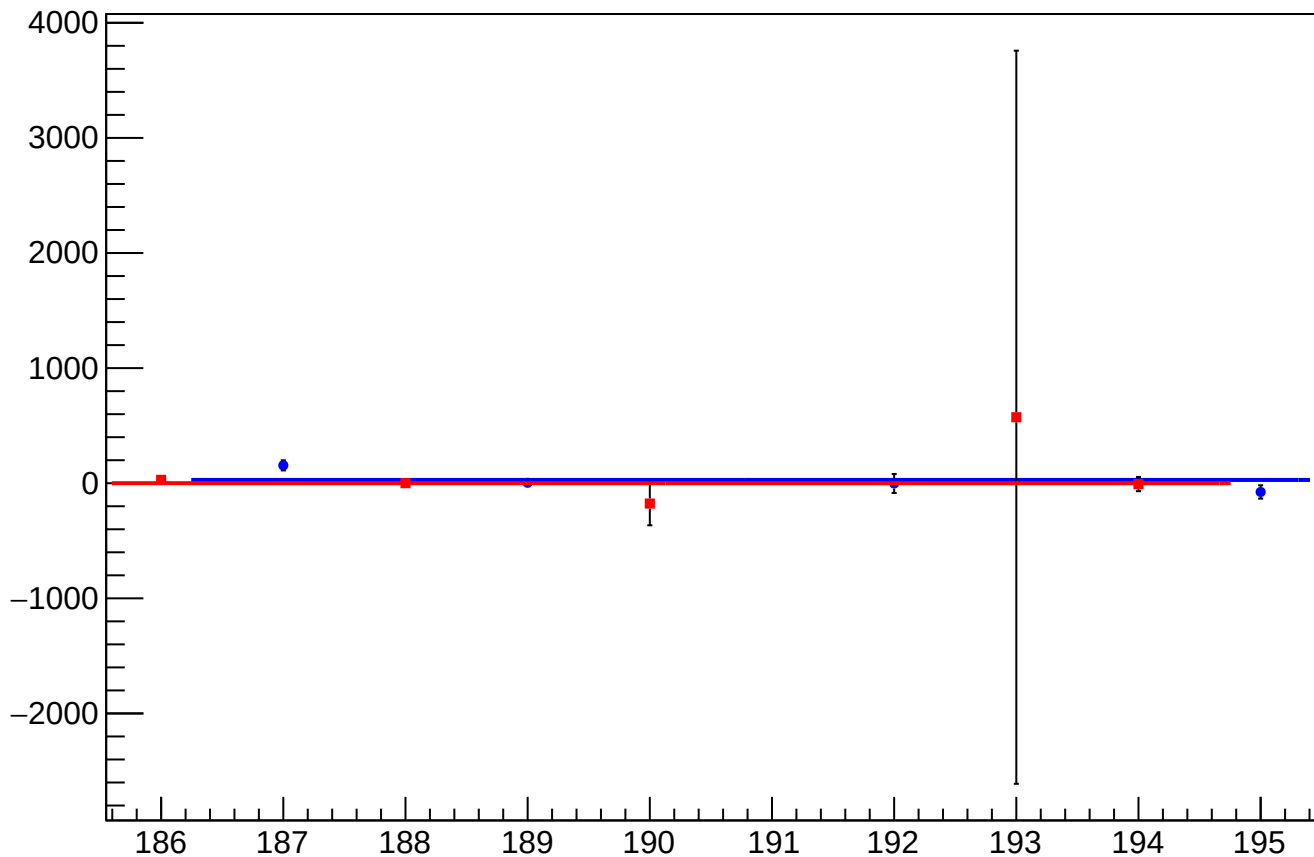
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.138 $\pm$ 0.041  $\chi^2$ /NDF: 10496.8/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 28.535+/-21.609  $\chi^2/\text{NDF}$ : 12.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.483+/-0.128  $\chi^2/\text{NDF}$ : 6.7/4

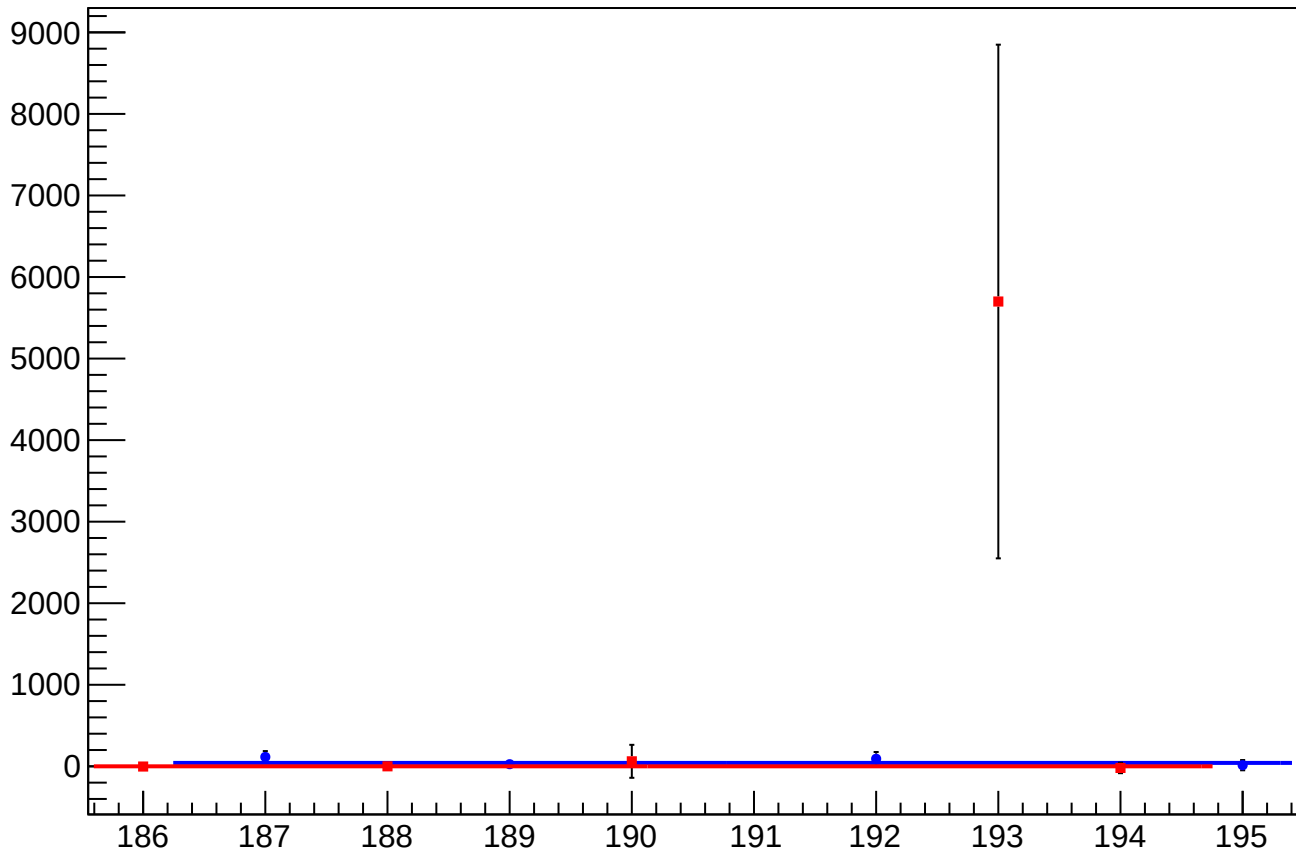
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.484+/-0.128  $\chi^2/\text{NDF}$ : 20.7/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 41.956+/-25.861  $\chi^2/\text{NDF}$ : 1.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.066+/-0.212  $\chi^2/\text{NDF}$ : 3.5/4

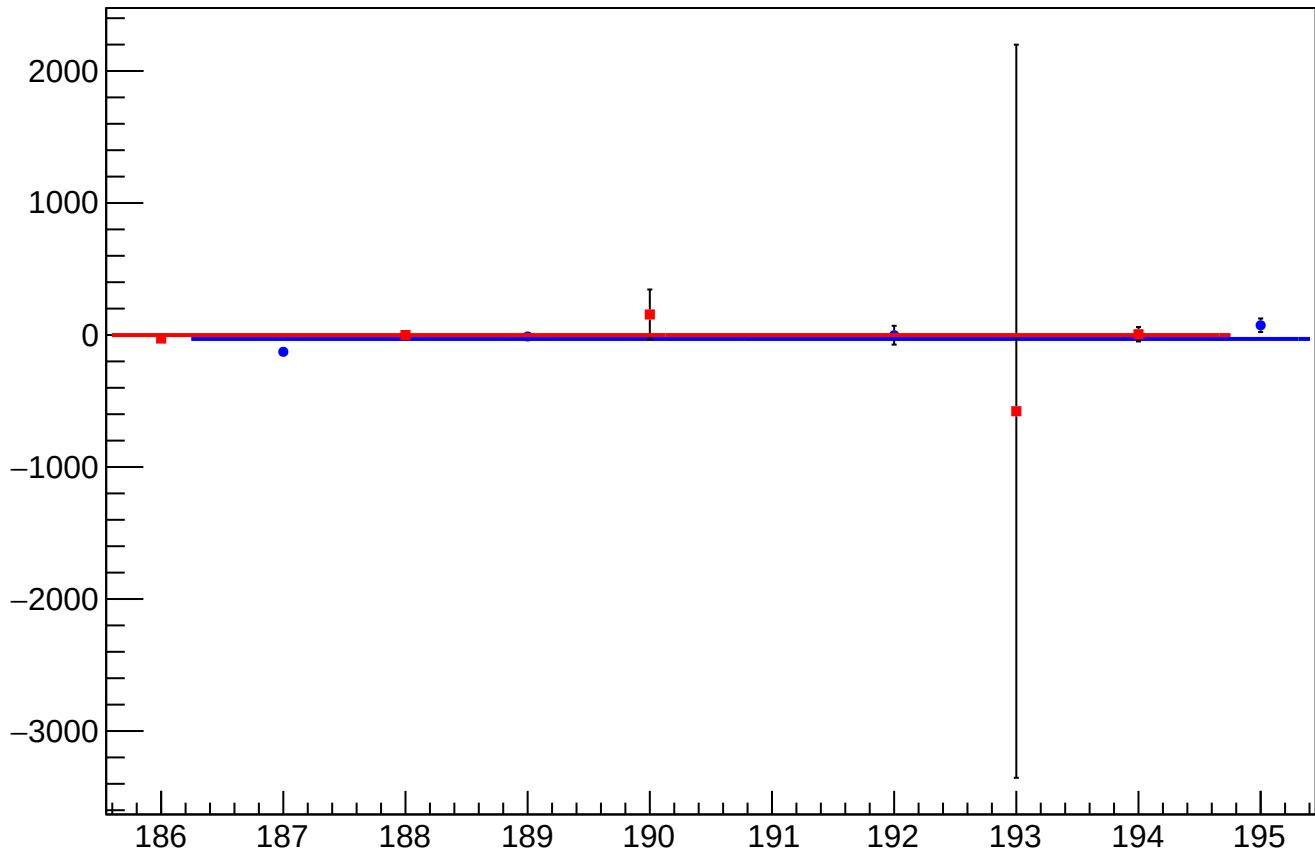
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.069+/-0.211  $\chi^2/\text{NDF}$ : 7.9/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-29.760 \pm 18.386$   $\chi^2/\text{NDF}$ : 12.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.420 \pm 0.103$   $\chi^2/\text{NDF}$ : 8.2/4

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

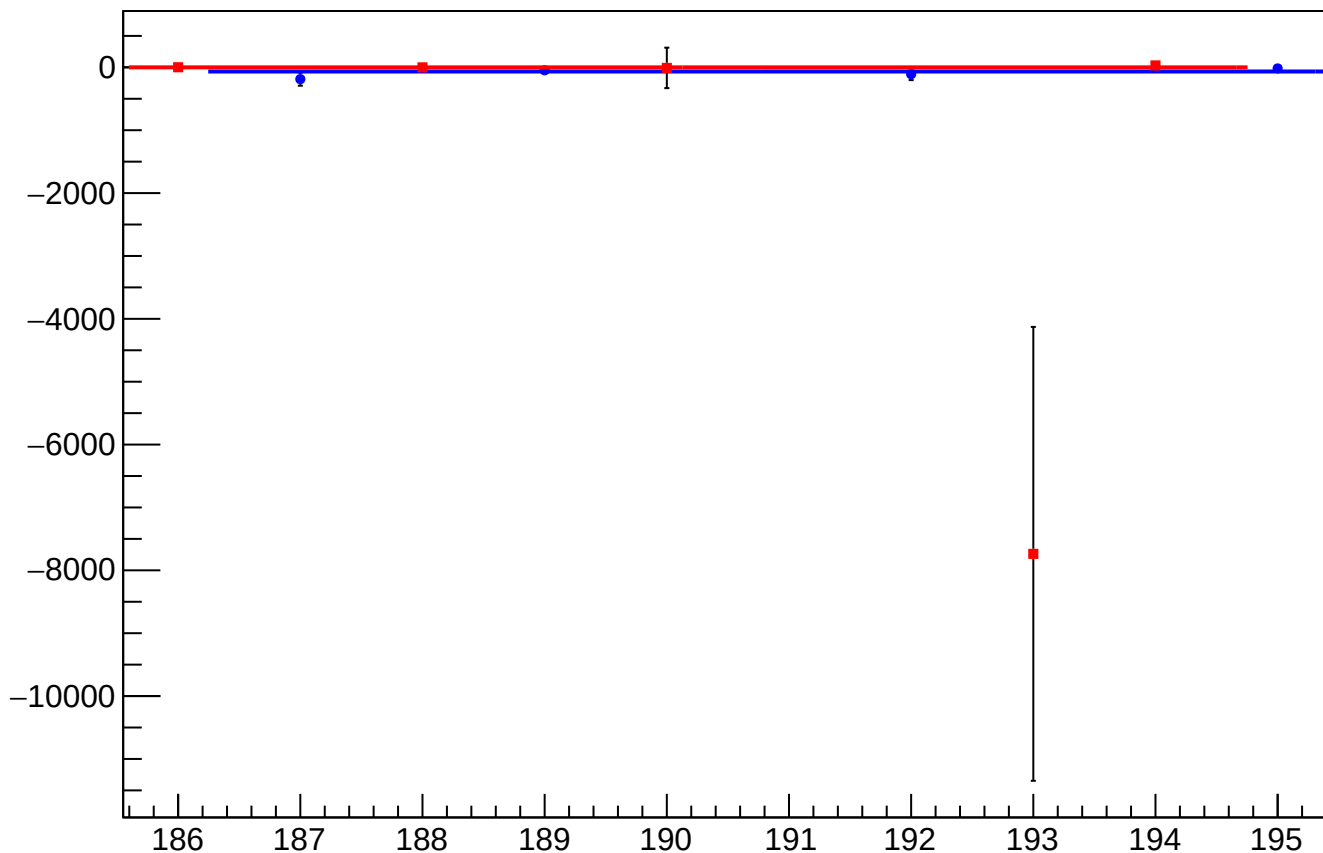
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.421 \pm 0.103$   $\chi^2/\text{NDF}$ : 22.8/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: -66.196 $\pm$ 36.908  $\chi^2$ /NDF: 2.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.157 $\pm$ 0.311  $\chi^2$ /NDF: 4.8/4

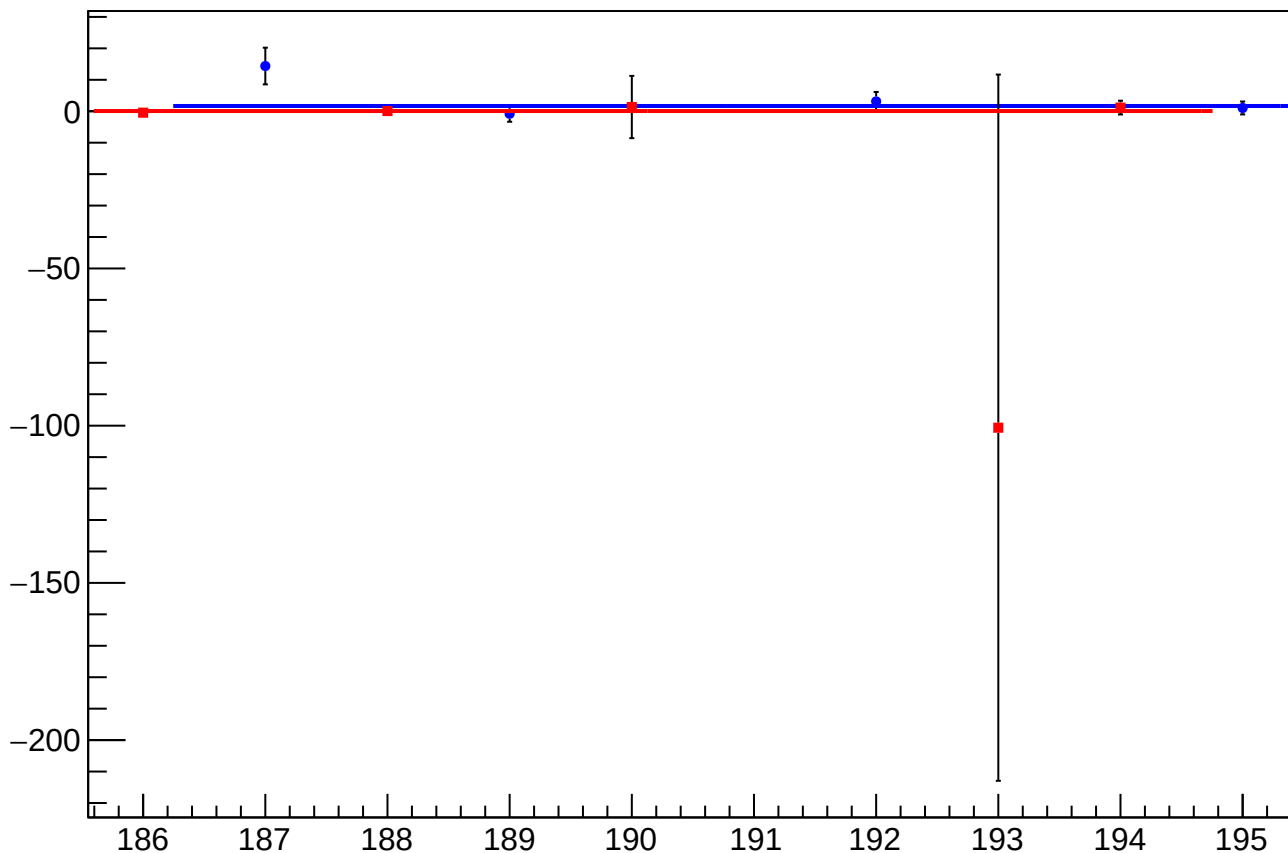
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.162 $\pm$ 0.311  $\chi^2$ /NDF: 10.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 1.671+/-1.371  $\chi^2/\text{NDF}$ : 6.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.068+/-0.015  $\chi^2/\text{NDF}$ : 1.2/4

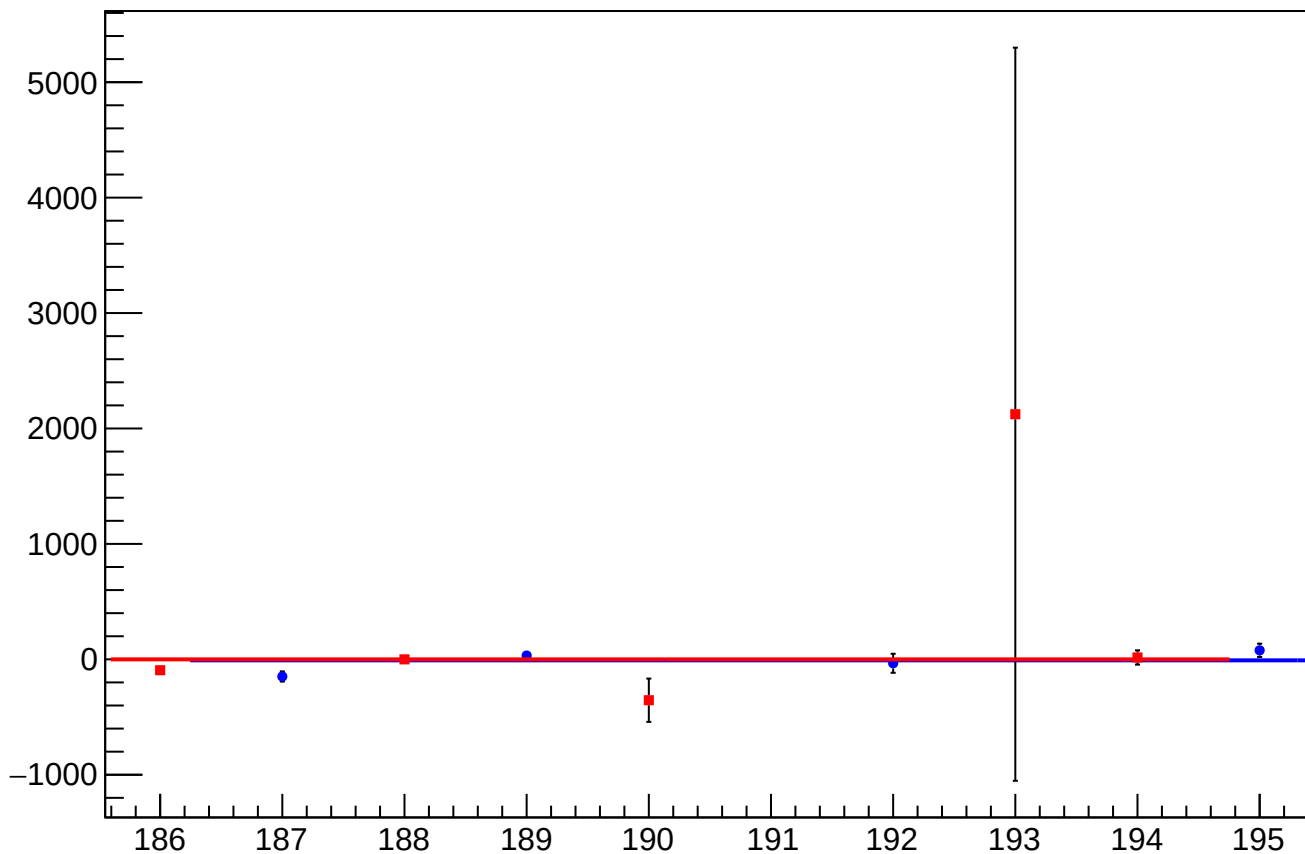
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.068+/-0.015  $\chi^2/\text{NDF}$ : 8.6/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm1X\_slope vs Slug



Right In: -8.730+/-21.588  $\chi^2/\text{NDF}$ : 14.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.267+/-0.128  $\chi^2/\text{NDF}$ : 64.7/4

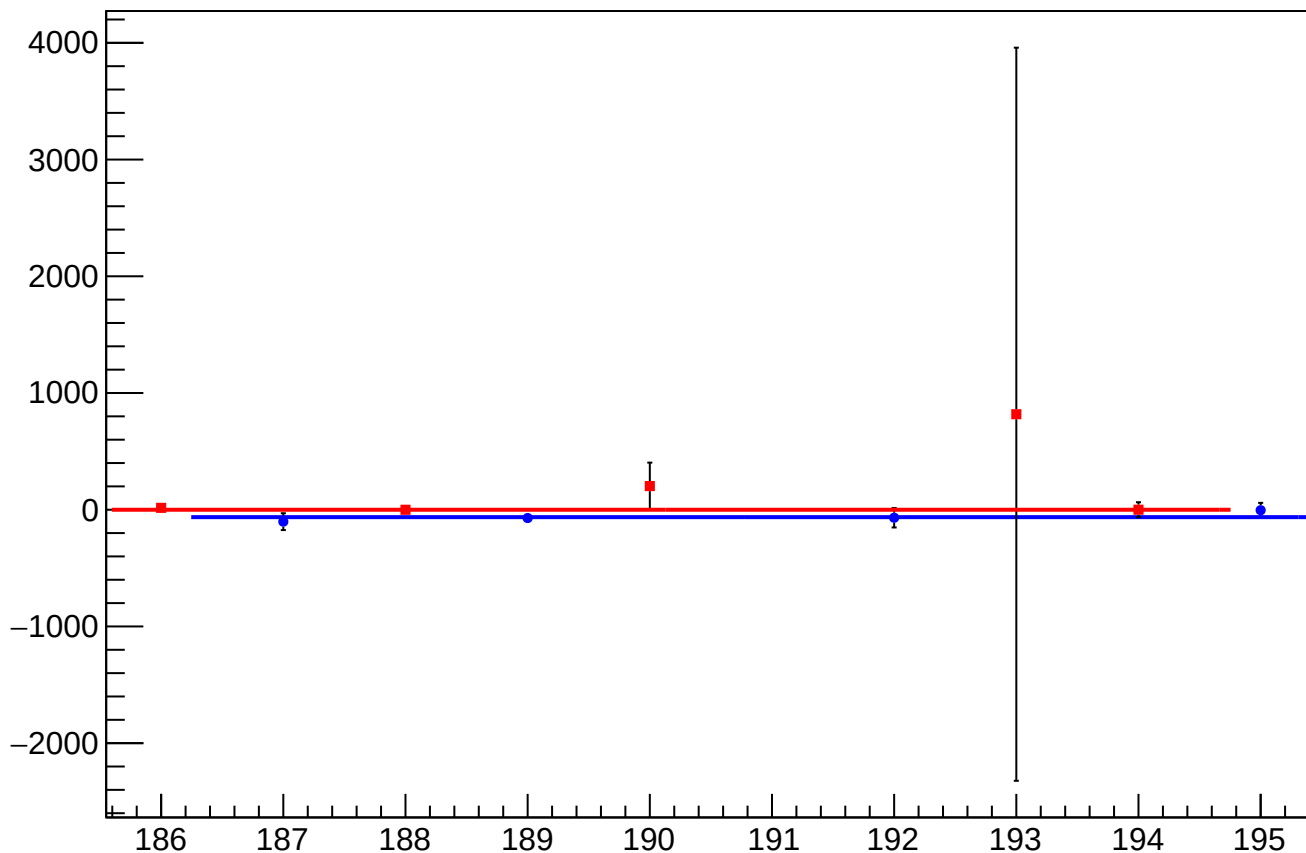
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.267+/-0.128  $\chi^2/\text{NDF}$ : 79.3/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -63.606 $\pm$ 25.828  $\chi^2$ /NDF: 1.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.239 $\pm$ 0.212  $\chi^2$ /NDF: 2.3/4

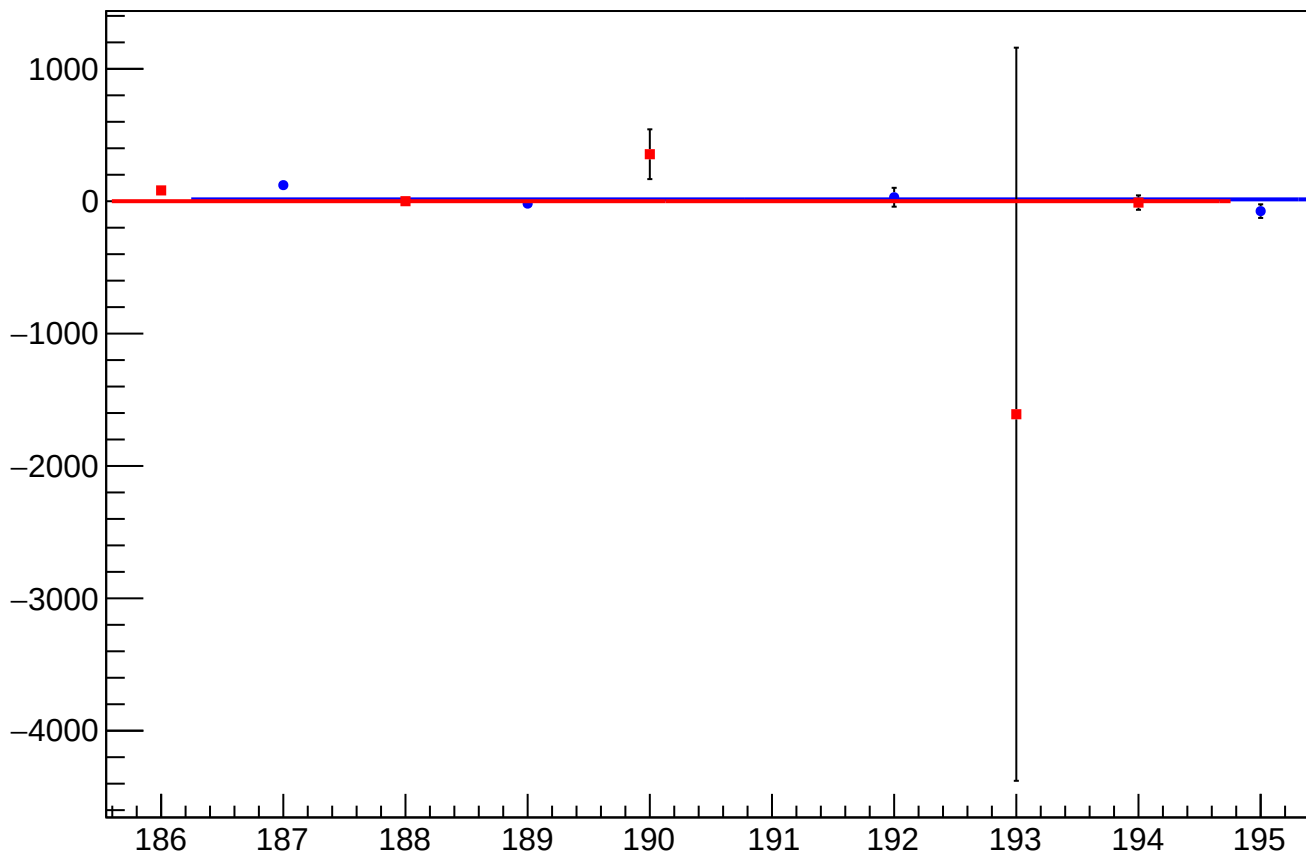
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.244 $\pm$ 0.212  $\chi^2$ /NDF: 9.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 13.938+/-18.365  $\chi^2/\text{NDF}$ : 13.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.220+/-0.103  $\chi^2/\text{NDF}$ : 74.5/4

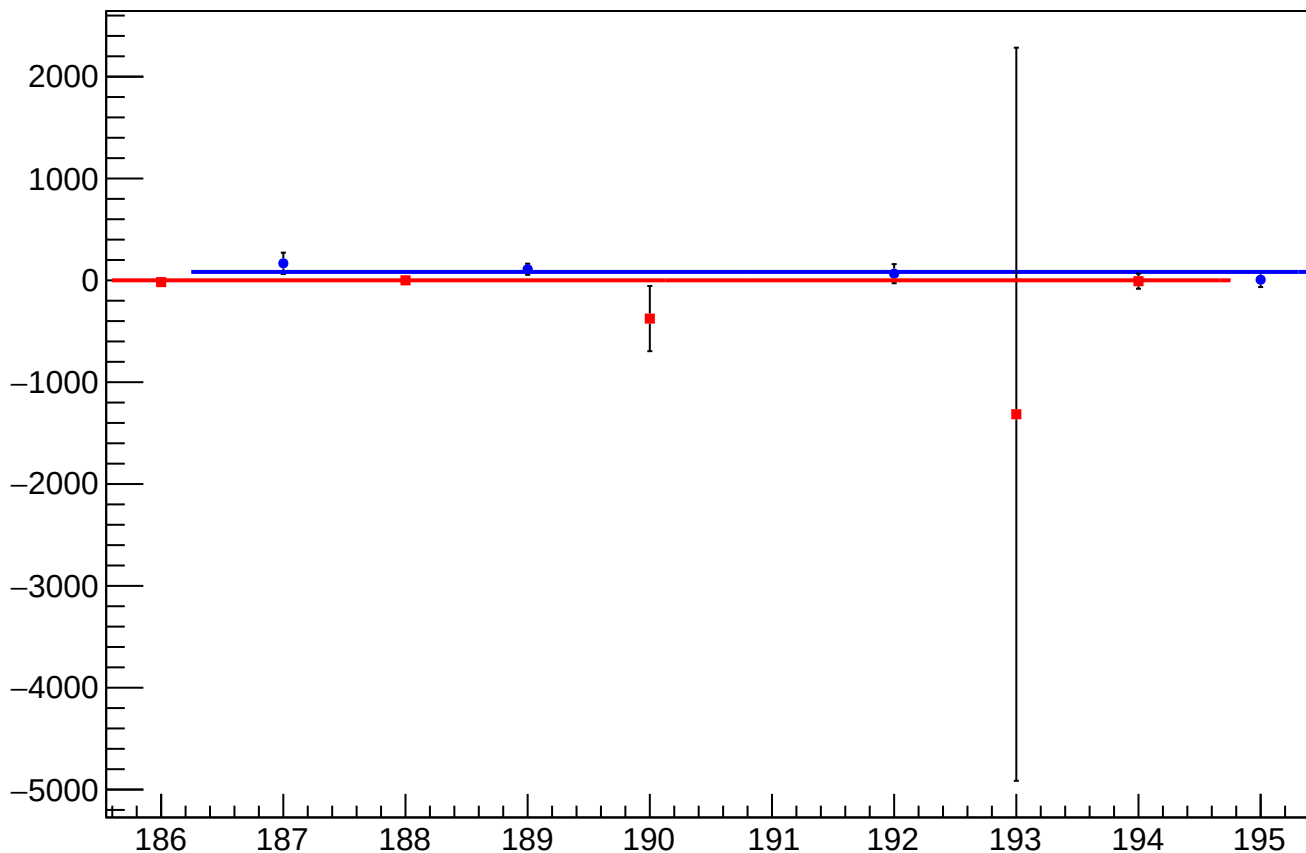
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.220+/-0.103  $\chi^2/\text{NDF}$ : 88.6/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 82.700 $\pm$ 36.864  $\chi^2$ /NDF: 2.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.343 $\pm$ 0.311  $\chi^2$ /NDF: 2.2/4

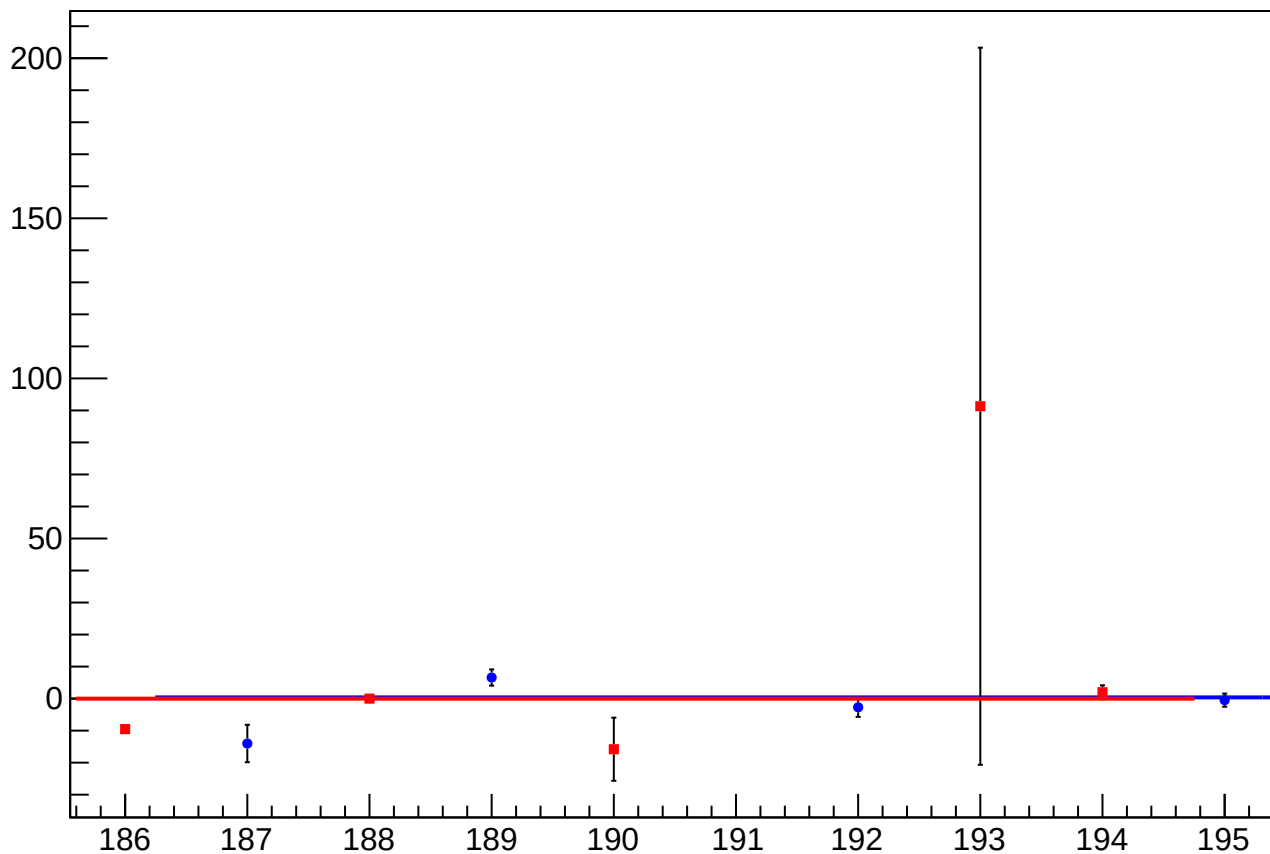
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.349 $\pm$ 0.311  $\chi^2$ /NDF: 9.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.378 $\pm$ 1.370  $\chi^2$ /NDF: 13.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.010 $\pm$ 0.015  $\chi^2$ /NDF: 41.6/4

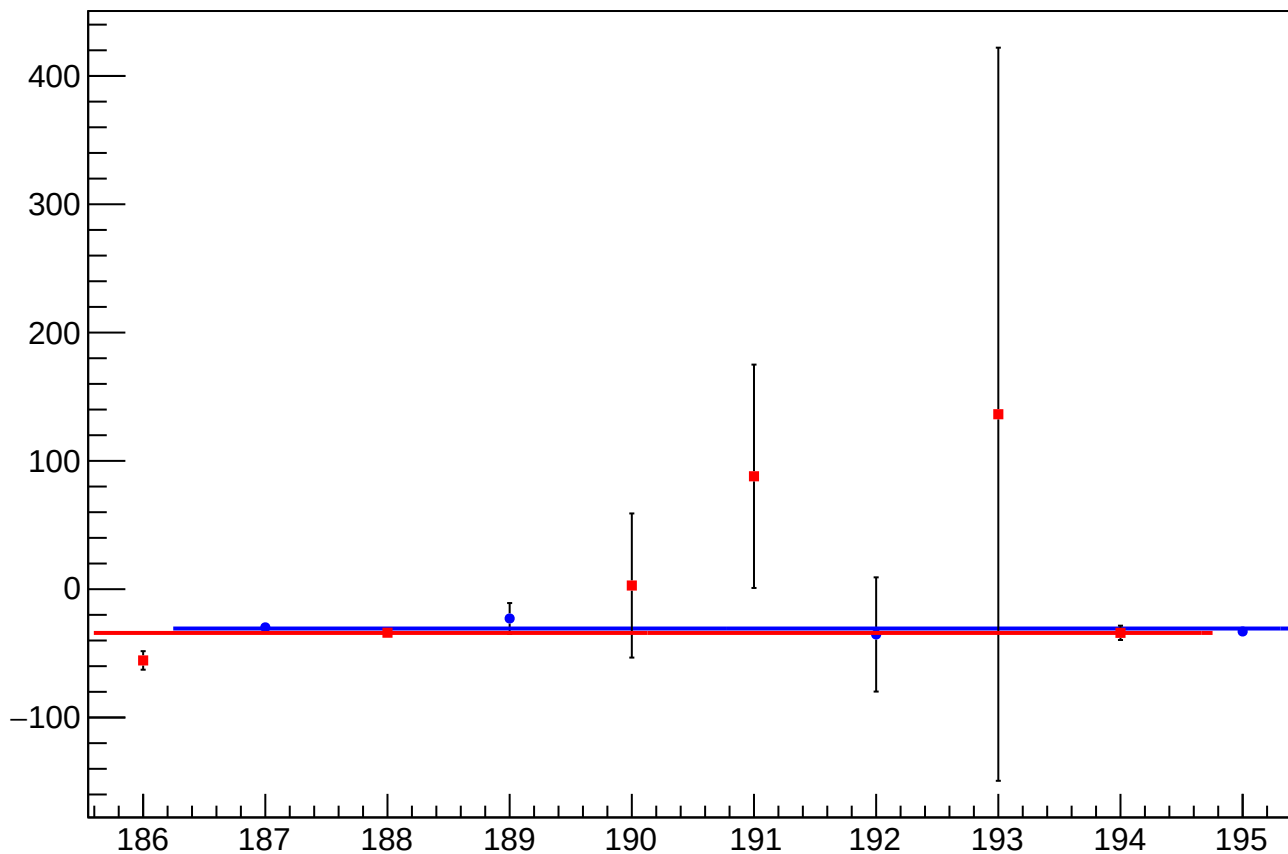
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.010 $\pm$ 0.015  $\chi^2$ /NDF: 55.0/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-30.652 \pm 1.533$   $\chi^2/\text{NDF}$ : 1.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-34.091 \pm 0.682$   $\chi^2/\text{NDF}$ : 11.6/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

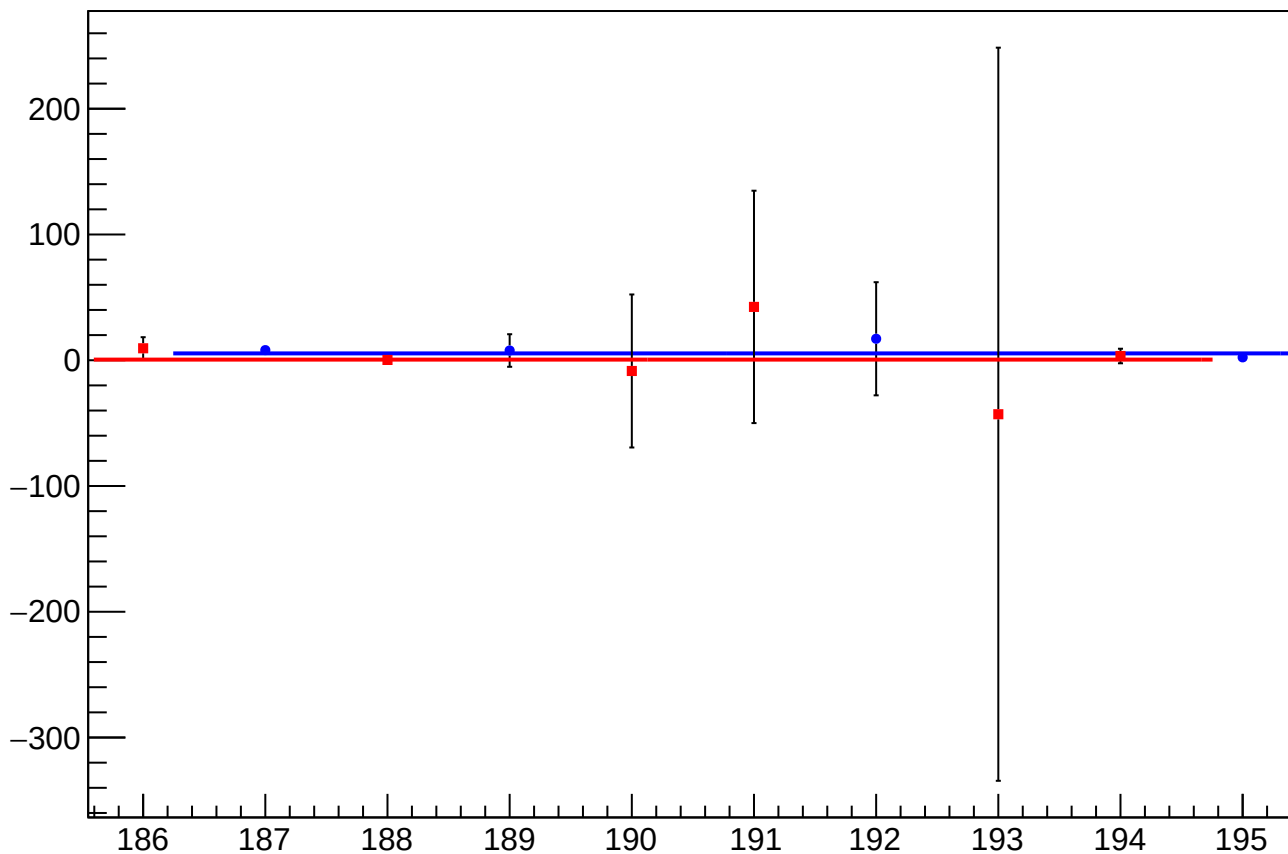
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-33.523 \pm 0.623$   $\chi^2/\text{NDF}$ : 17.2/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 5.445 $\pm$ 2.168  $\chi^2$ /NDF: 1.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.509 $\pm$ 1.103  $\chi^2$ /NDF: 1.6/5

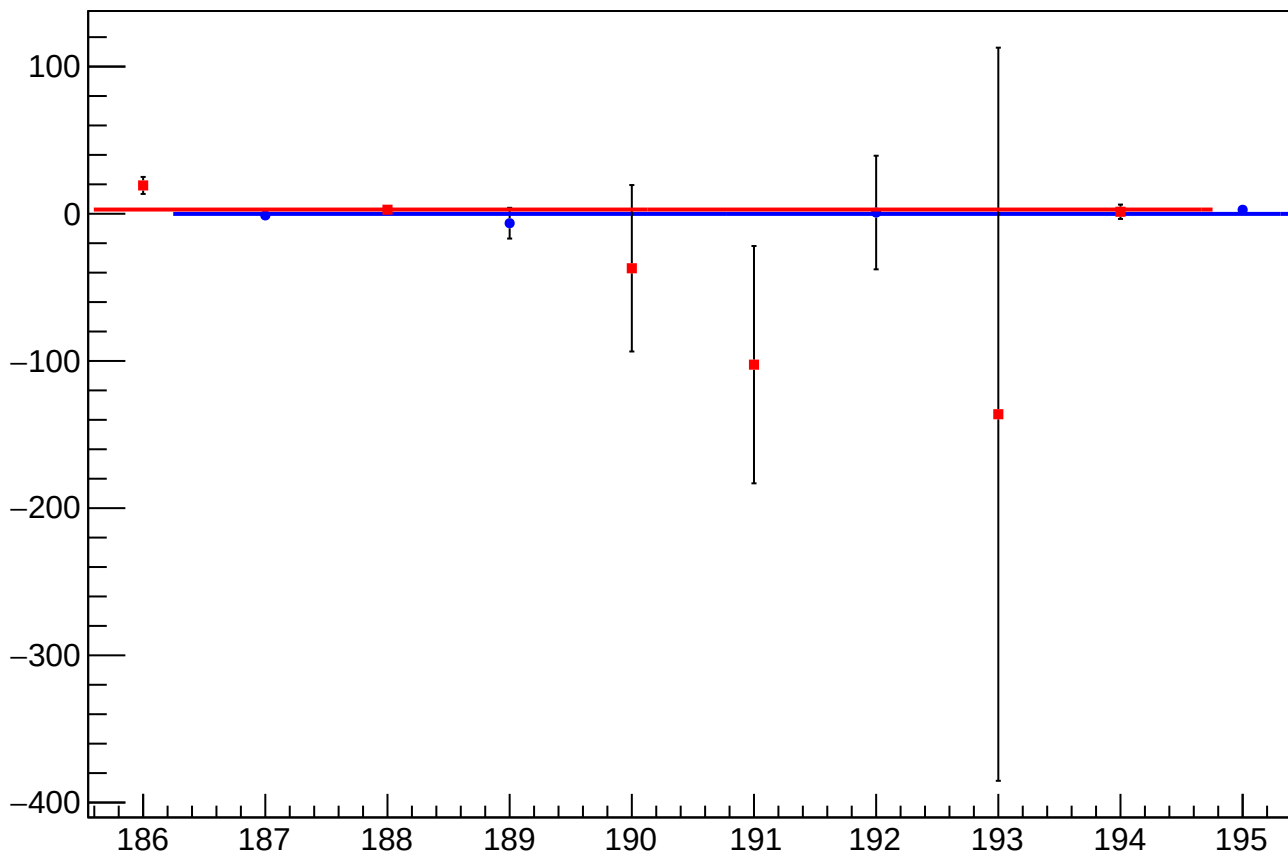
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.525 $\pm$ 0.983  $\chi^2$ /NDF: 7.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-0.082 \pm 1.284$   $\chi^2/\text{NDF}$ : 2.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $2.871 \pm 0.552$   $\chi^2/\text{NDF}$ : 10.7/5

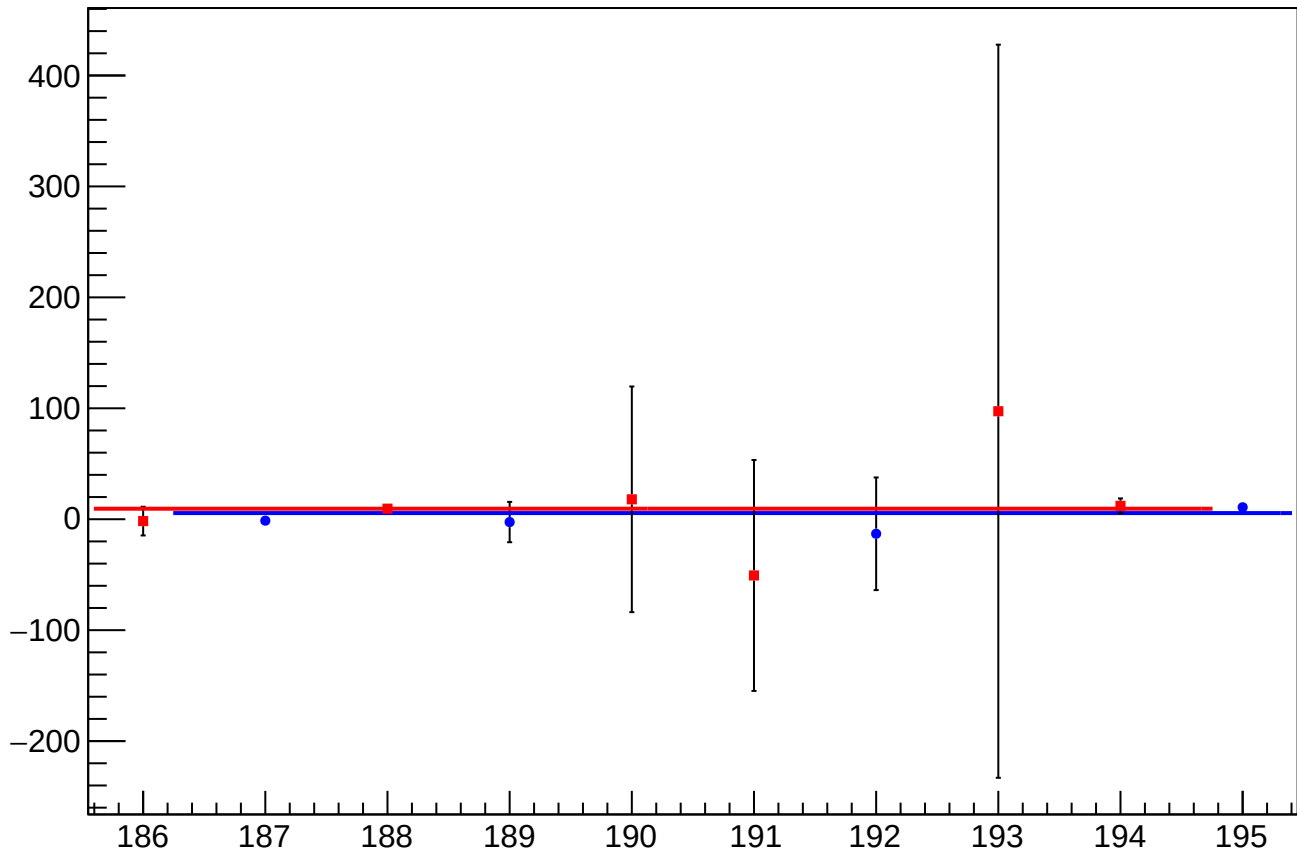
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $2.411 \pm 0.507$   $\chi^2/\text{NDF}$ : 17.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 5.541+/-2.797  $\chi^2/\text{NDF}$ : 4.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.489+/-1.583  $\chi^2/\text{NDF}$ : 1.3/5

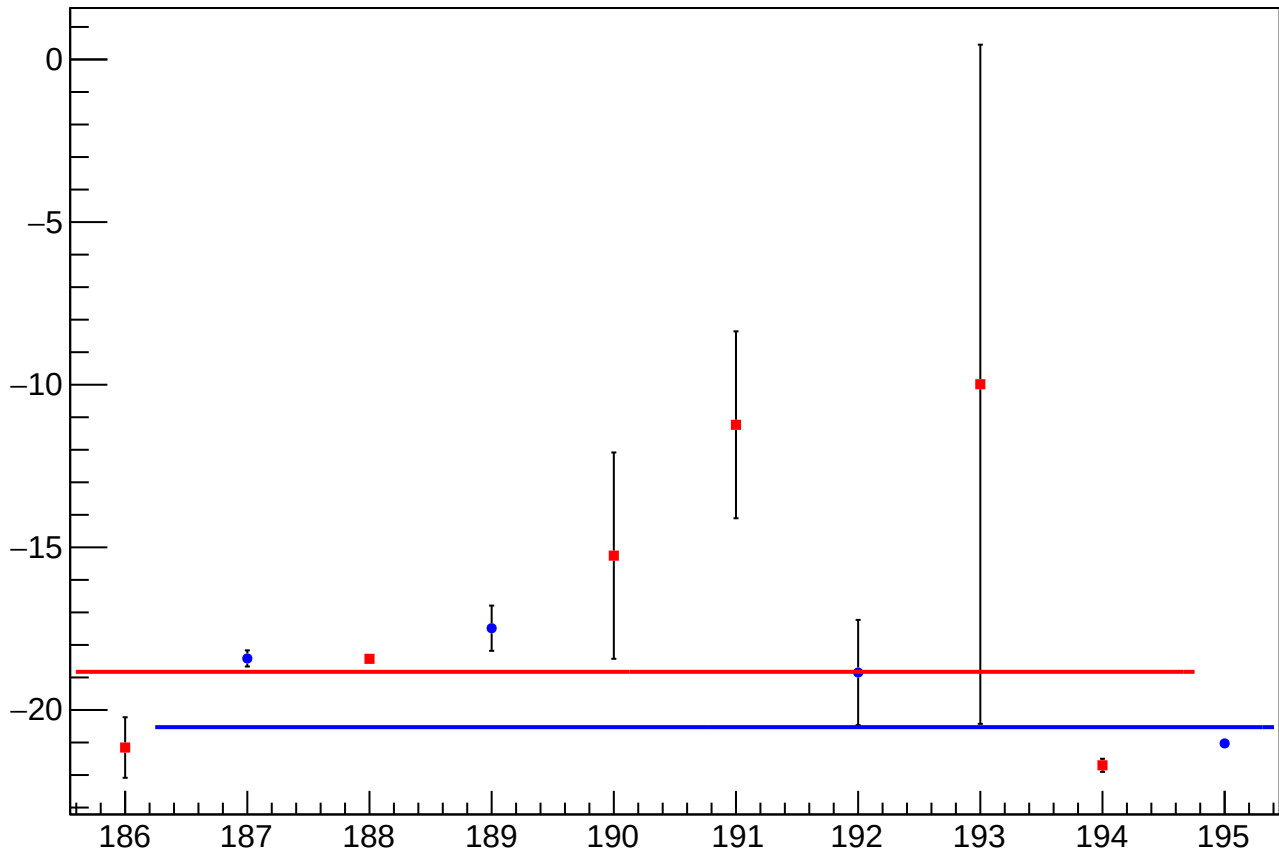
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.530+/-1.378  $\chi^2/\text{NDF}$ : 7.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -20.528 $\pm$ 0.099  $\chi^2$ /NDF: 113.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -18.827 $\pm$ 0.069  $\chi^2$ /NDF: 248.4/5

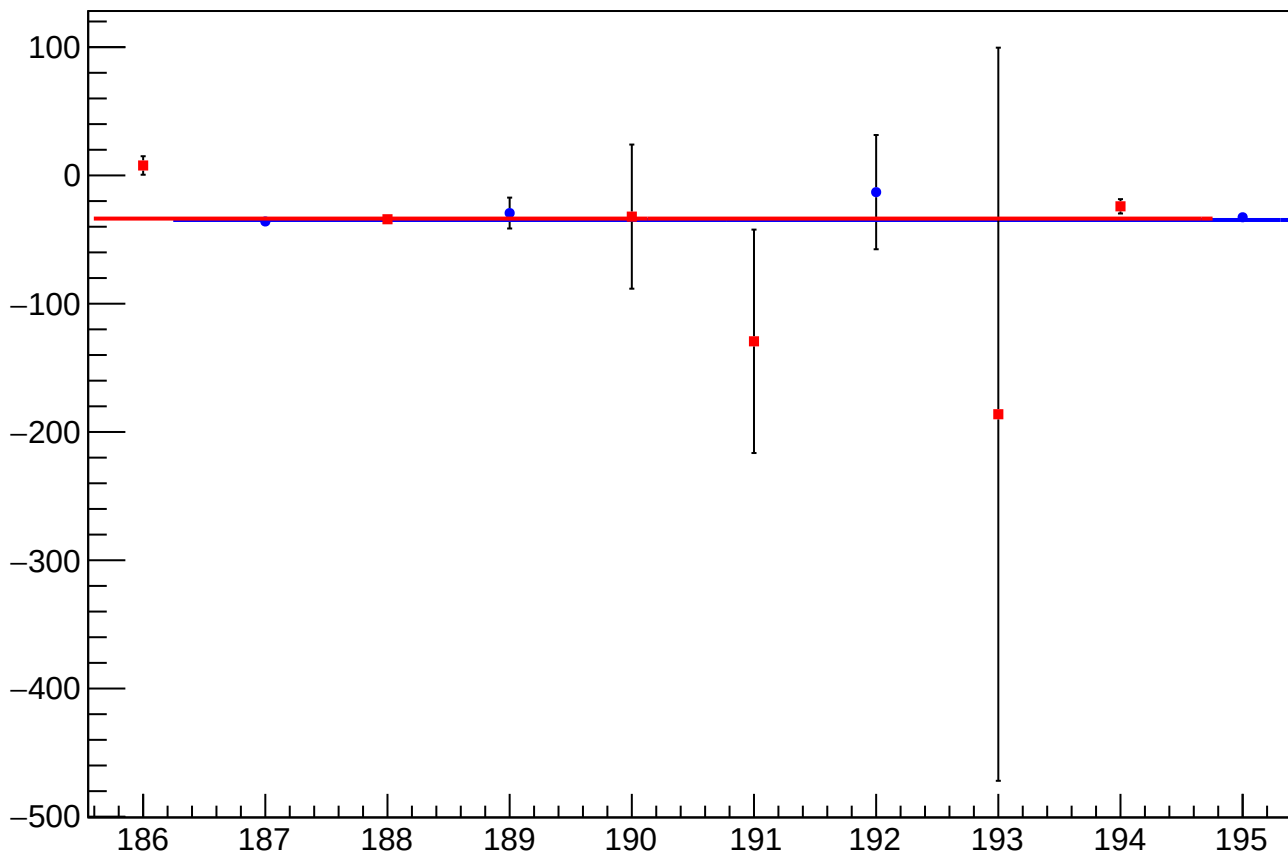
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -19.384 $\pm$ 0.057  $\chi^2$ /NDF: 558.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-34.738 \pm 1.538$   $\chi^2/\text{NDF}$ : 1.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-33.646 \pm 0.682$   $\chi^2/\text{NDF}$ : 37.9/5

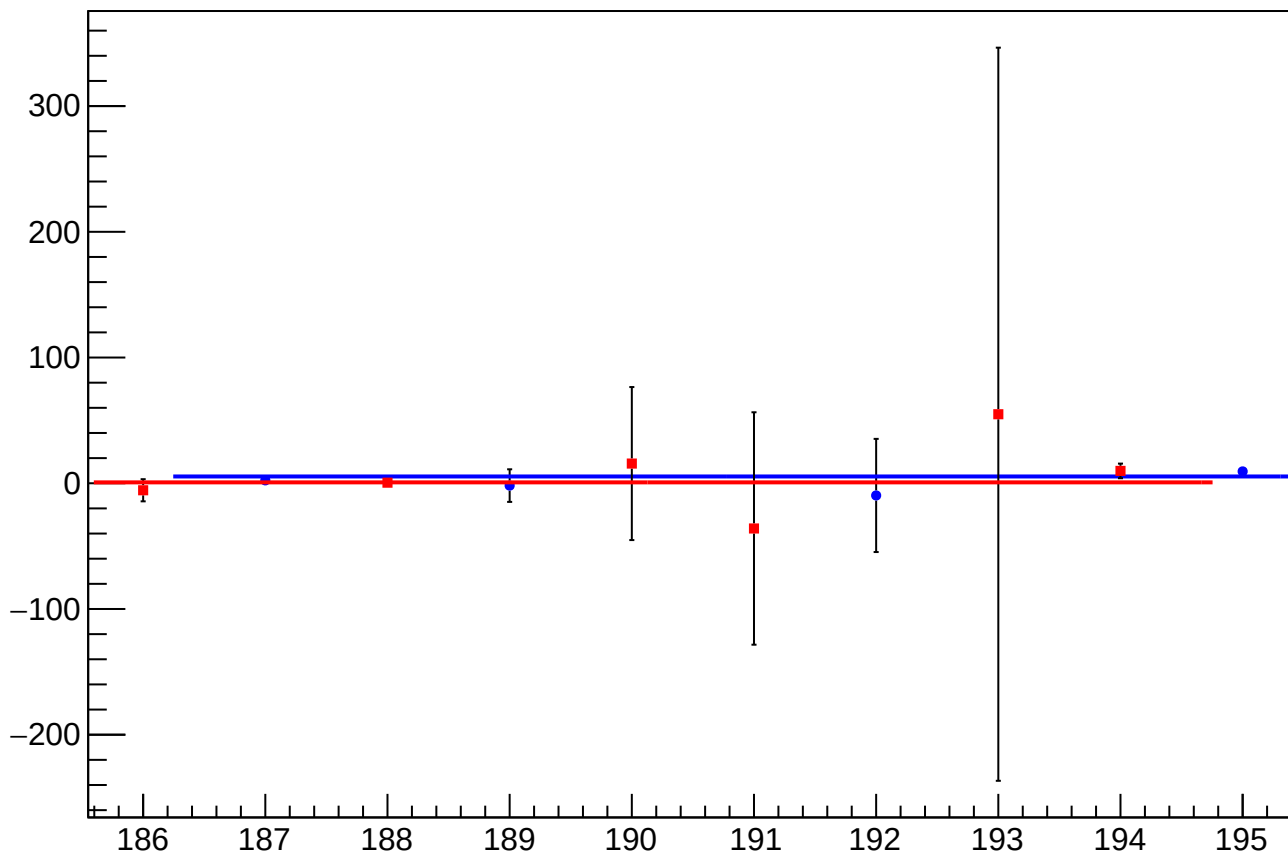
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-33.826 \pm 0.624$   $\chi^2/\text{NDF}$ : 39.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 5.402 $\pm$ 2.176  $\chi^2$ /NDF: 3.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.708 $\pm$ 1.104  $\chi^2$ /NDF: 3.3/5

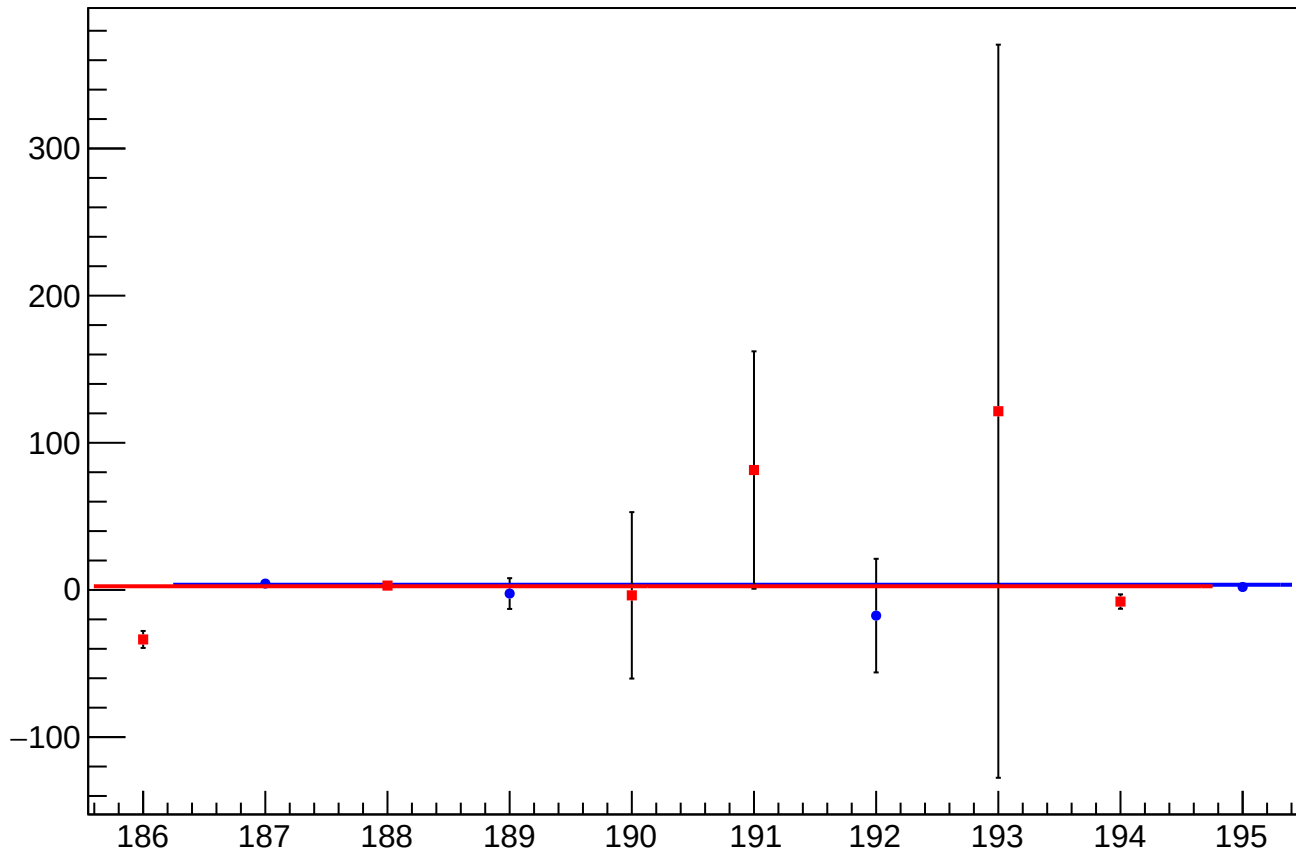
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.669 $\pm$ 0.985  $\chi^2$ /NDF: 10.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 3.536 $\pm$ 1.289  $\chi^2$ /NDF: 1.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.503 $\pm$ 0.552  $\chi^2$ /NDF: 45.6/5

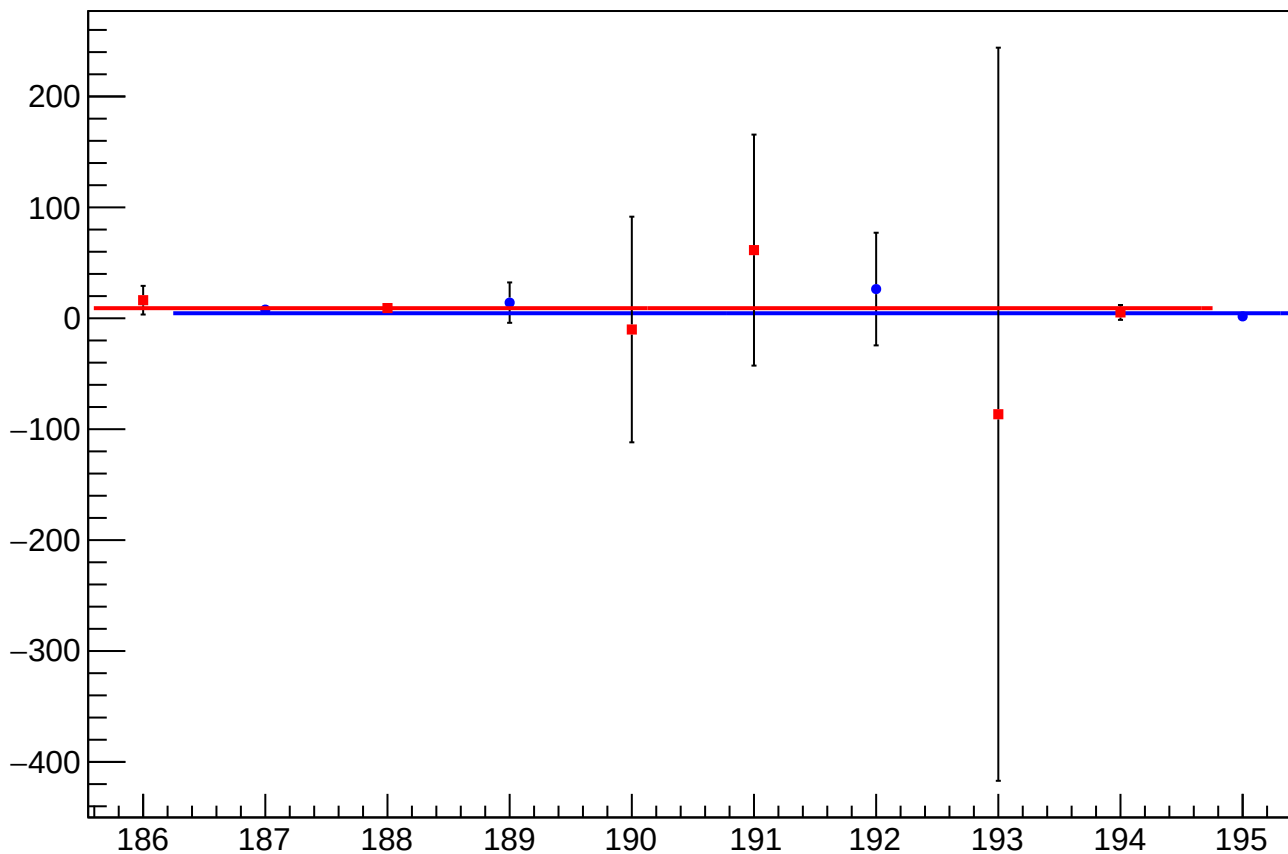
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.663 $\pm$ 0.507  $\chi^2$ /NDF: 47.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 4.555+/-2.807  $\chi^2/\text{NDF}$ : 1.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.115+/-1.585  $\chi^2/\text{NDF}$ : 1.0/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

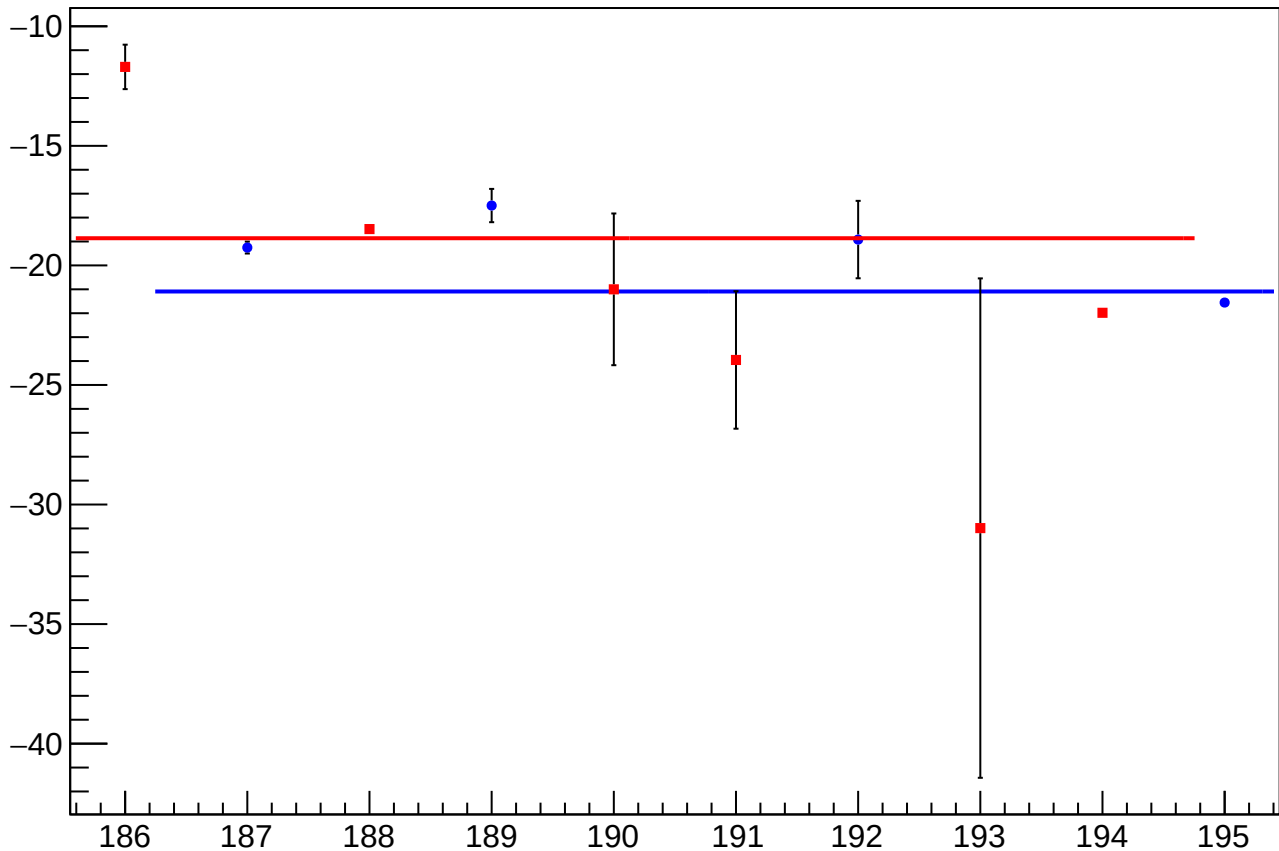
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.013+/-1.380  $\chi^2/\text{NDF}$ : 4.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-21.091 \pm 0.100$   $\chi^2/\text{NDF}$ : 100.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-18.864 \pm 0.070$   $\chi^2/\text{NDF}$ : 329.9/5

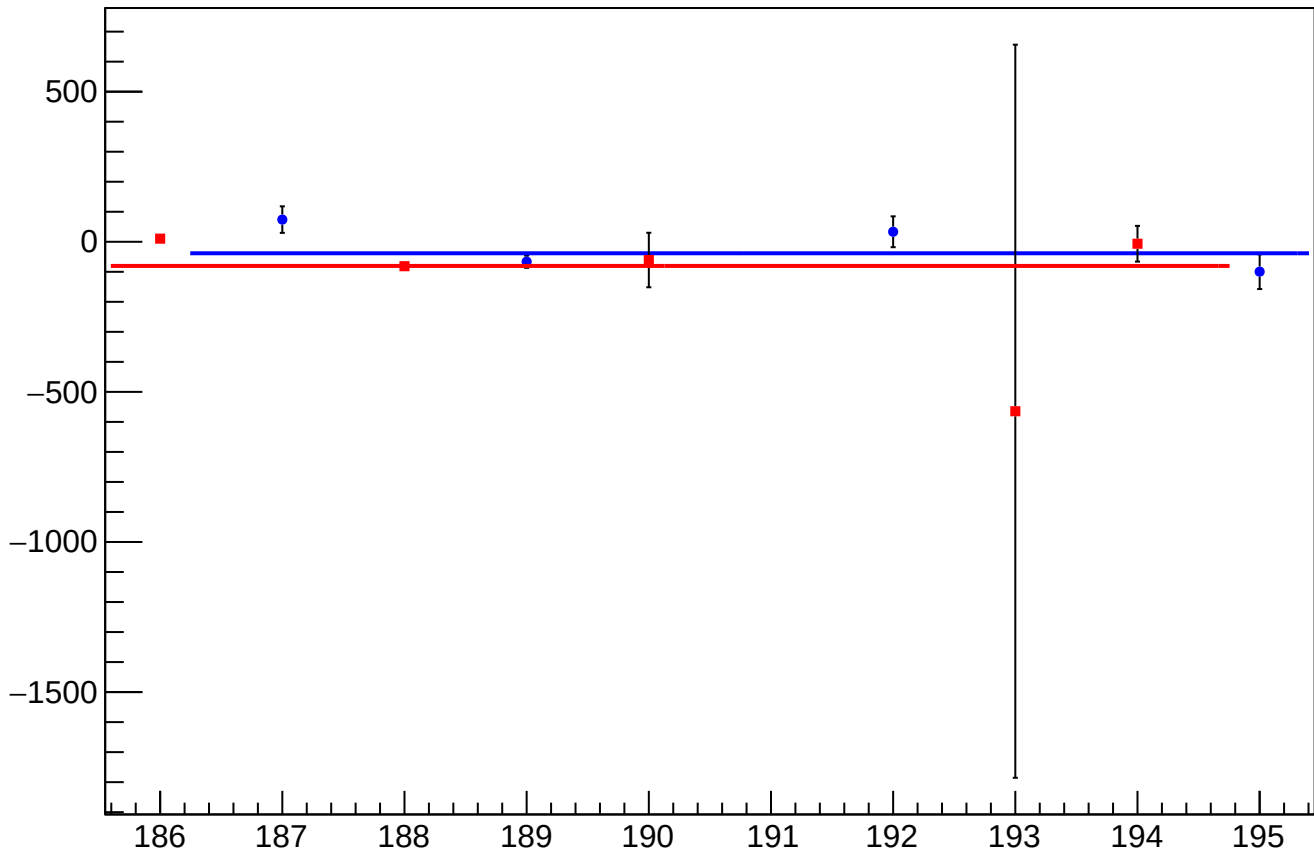
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-19.591 \pm 0.057$   $\chi^2/\text{NDF}$ : 765.1/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-38.294 \pm 16.766$   $\chi^2/\text{NDF}$ : 11.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-80.466 \pm 0.915$   $\chi^2/\text{NDF}$ : 95.2/4

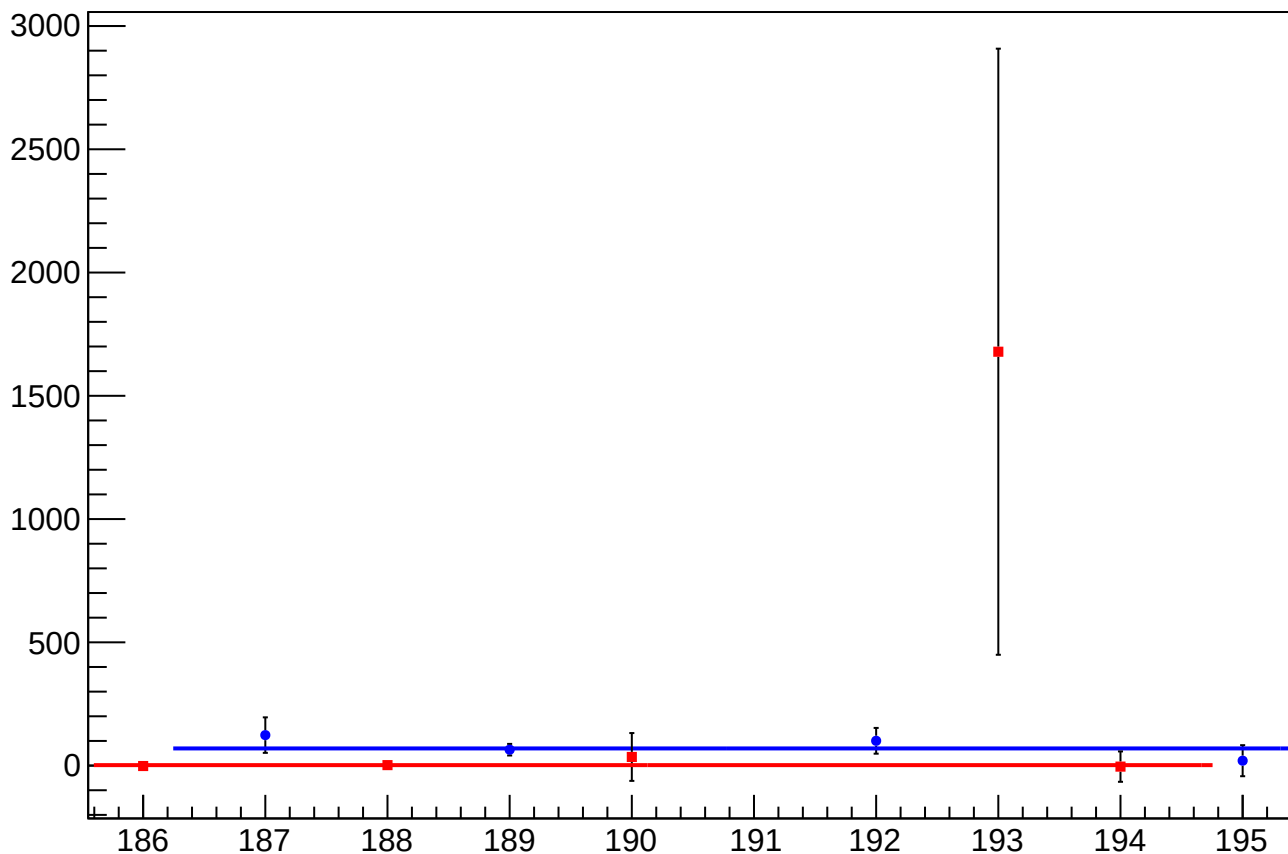
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-80.341 \pm 0.914$   $\chi^2/\text{NDF}$ : 112.9/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 69.593+/-19.535  $\chi^2/\text{NDF}$ : 1.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.868+/-1.504  $\chi^2/\text{NDF}$ : 2.1/4

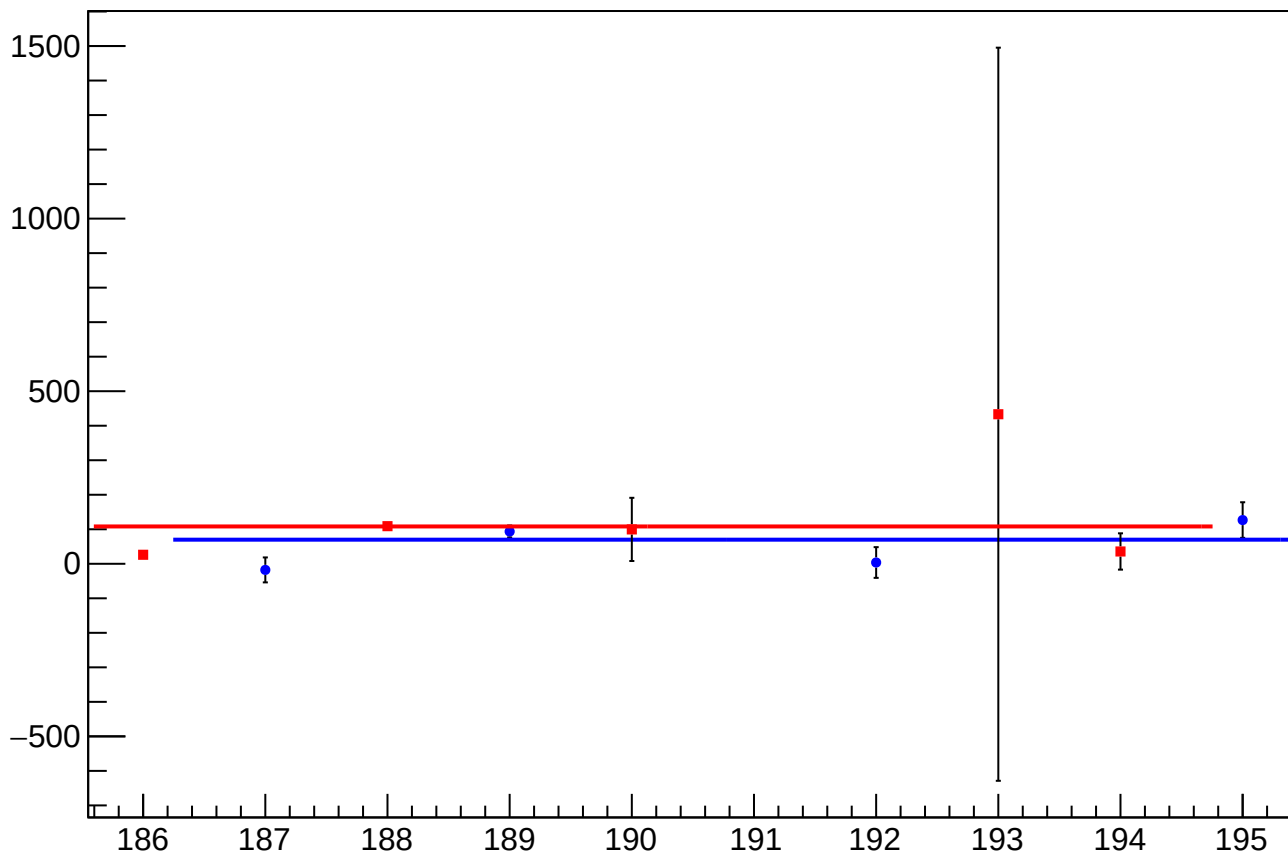
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.267+/-1.499  $\chi^2/\text{NDF}$ : 15.6/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 69.846+/-14.177  $\chi^2/\text{NDF}$ : 11.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 108.177+/-0.738  $\chi^2/\text{NDF}$ : 120.2/4

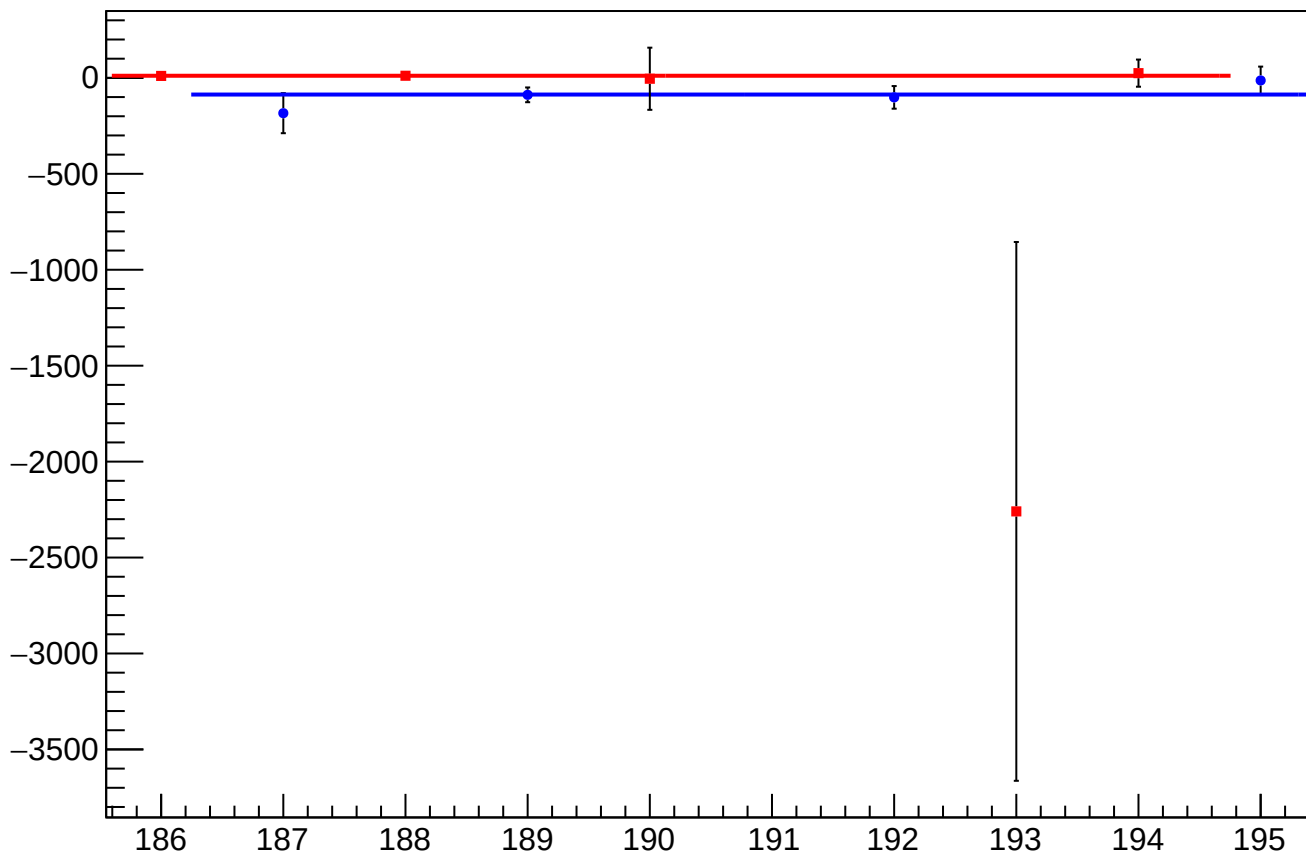
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 108.073+/-0.737  $\chi^2/\text{NDF}$ : 138.7/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-86.841 \pm 28.307$   $\chi^2/\text{NDF}$ : 2.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $11.104 \pm 2.211$   $\chi^2/\text{NDF}$ : 2.7/4

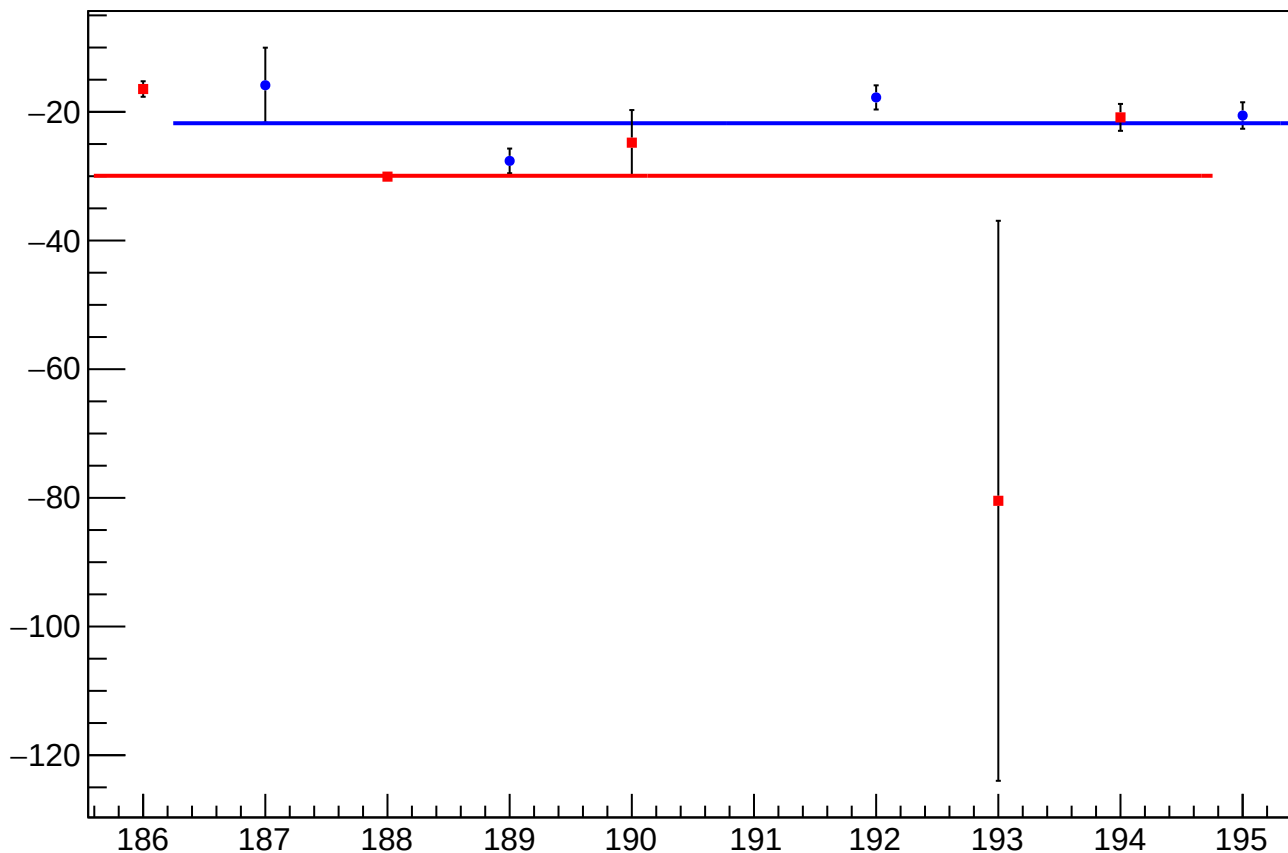
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $10.510 \pm 2.205$   $\chi^2/\text{NDF}$ : 16.5/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -21.766 $\pm$ 1.104  $\chi^2$ /NDF: 15.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -29.934 $\pm$ 0.107  $\chi^2$ /NDF: 147.6/4

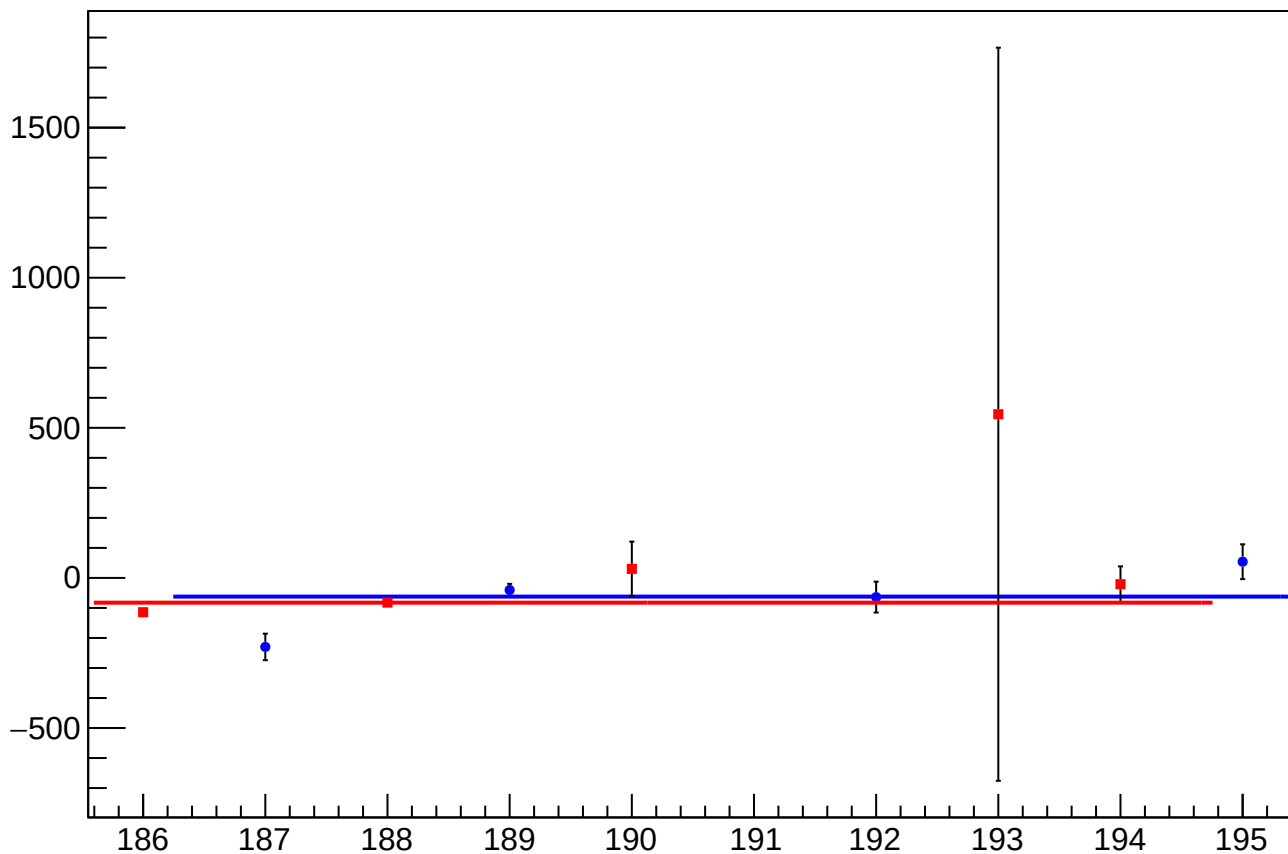
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -29.859 $\pm$ 0.106  $\chi^2$ /NDF: 217.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-62.241 \pm 16.779$   $\chi^2/\text{NDF}$ : 19.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-82.366 \pm 0.916$   $\chi^2/\text{NDF}$ : 14.4/4

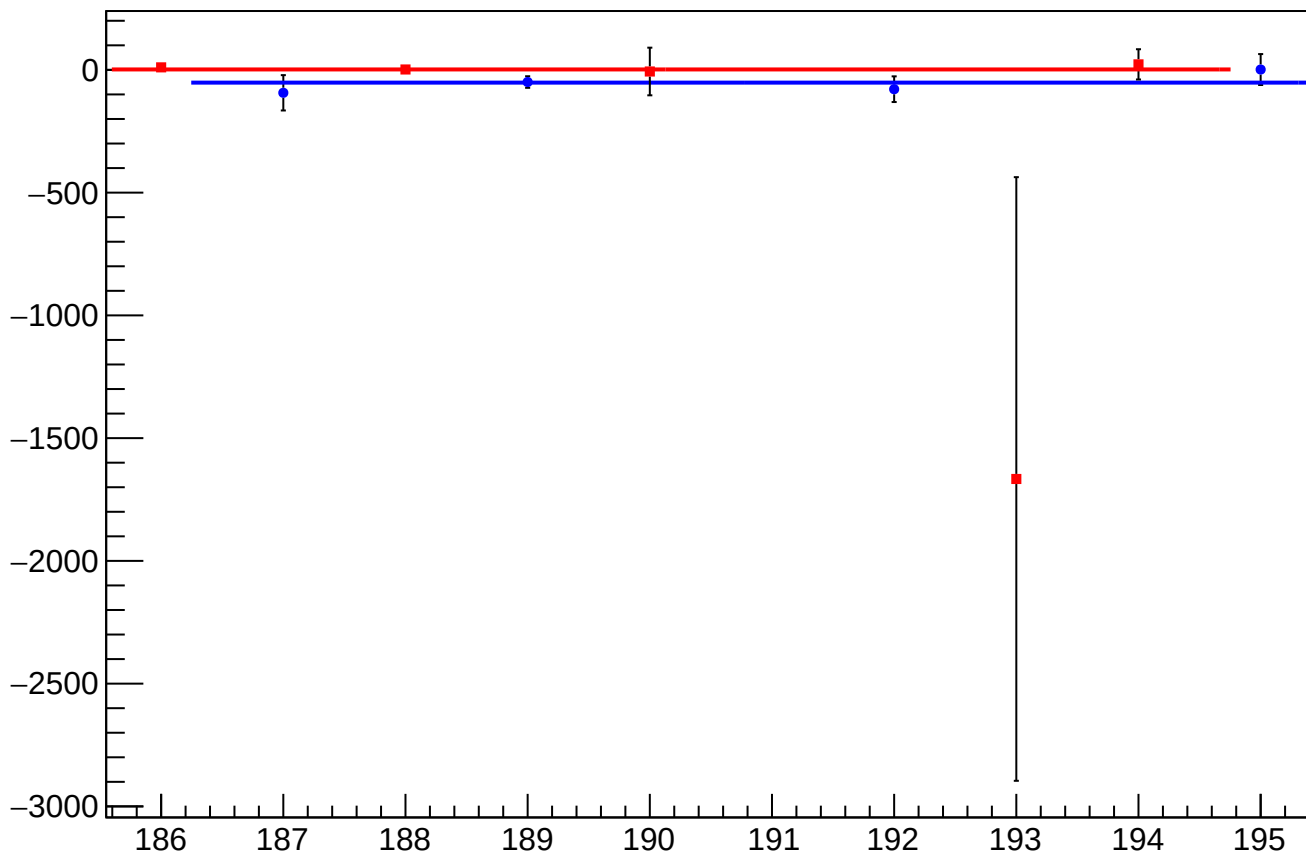
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-82.306 \pm 0.915$   $\chi^2/\text{NDF}$ : 35.4/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-51.907 \pm 19.551$   $\chi^2/\text{NDF}$ : 1.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $1.780 \pm 1.505$   $\chi^2/\text{NDF}$ : 2.5/4

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

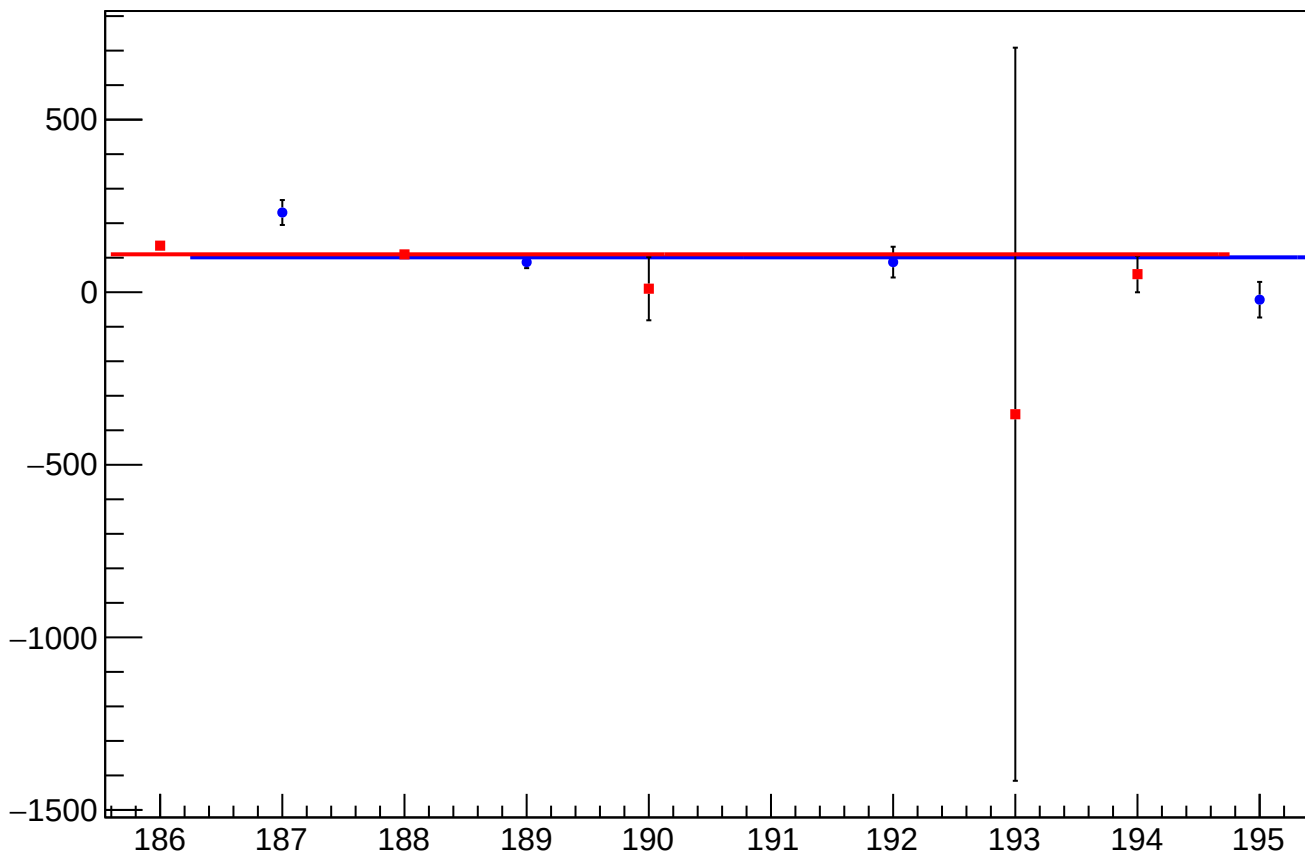
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $1.463 \pm 1.501$   $\chi^2/\text{NDF}$ : 11.3/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 101.075 $\pm$ 14.188  $\chi^2$ /NDF: 19.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 109.832 $\pm$ 0.739  $\chi^2$ /NDF: 13.6/4

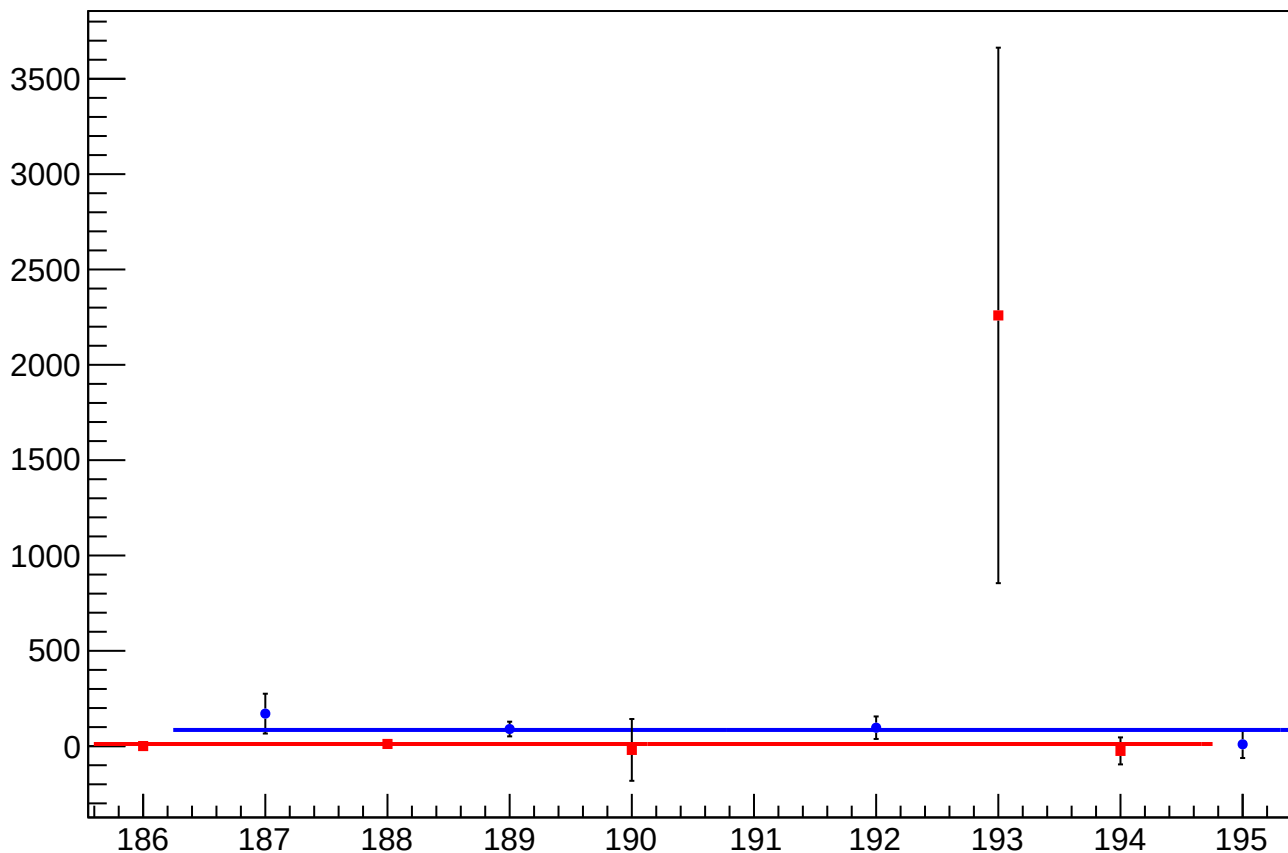
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 109.809 $\pm$ 0.738  $\chi^2$ /NDF: 33.3/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 85.061+/-28.330  $\chi^2/\text{NDF}$ : 1.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.374+/-2.214  $\chi^2/\text{NDF}$ : 3.3/4

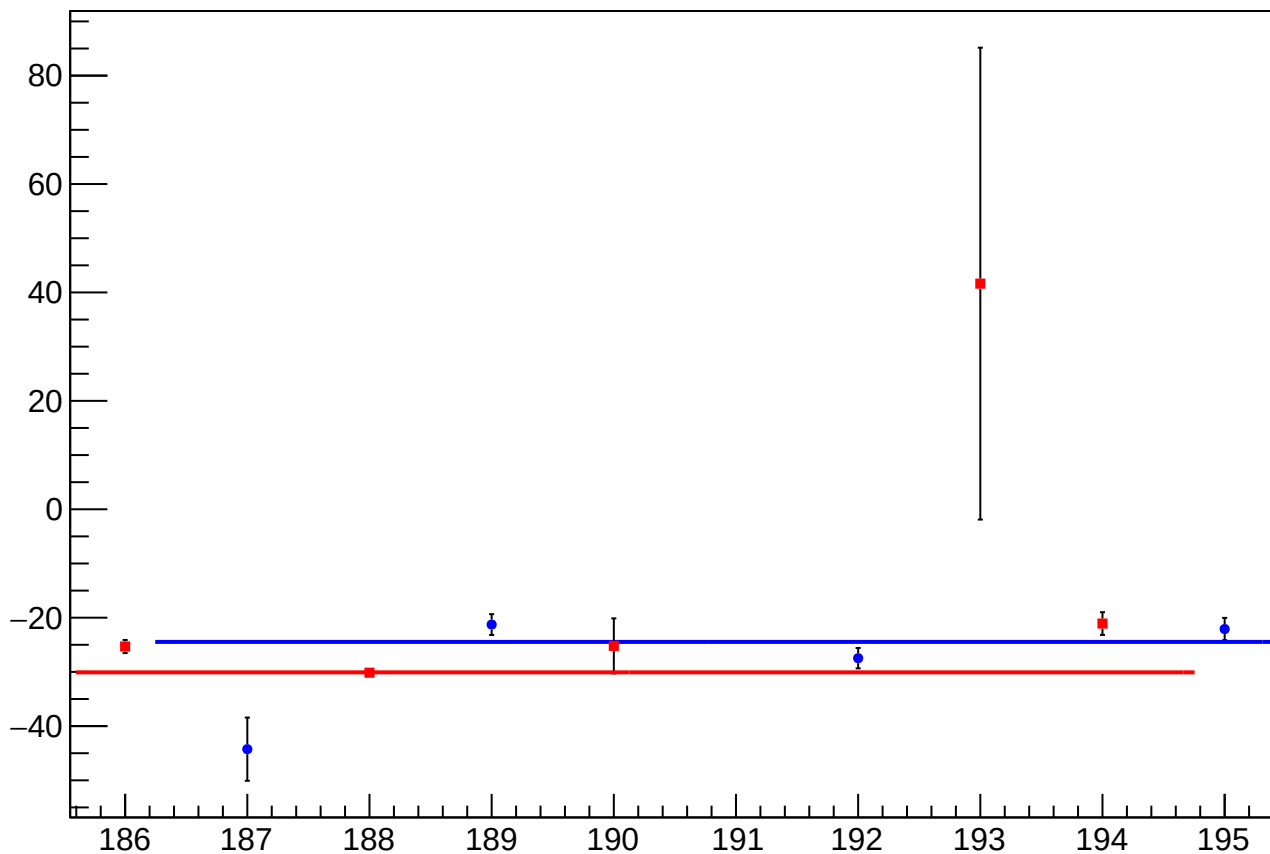
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 11.821+/-2.207  $\chi^2/\text{NDF}$ : 11.8/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug



Right In: -24.466+/-1.104  $\chi^2/\text{NDF}$ : 18.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -30.082+/-0.107  $\chi^2/\text{NDF}$ : 38.1/4

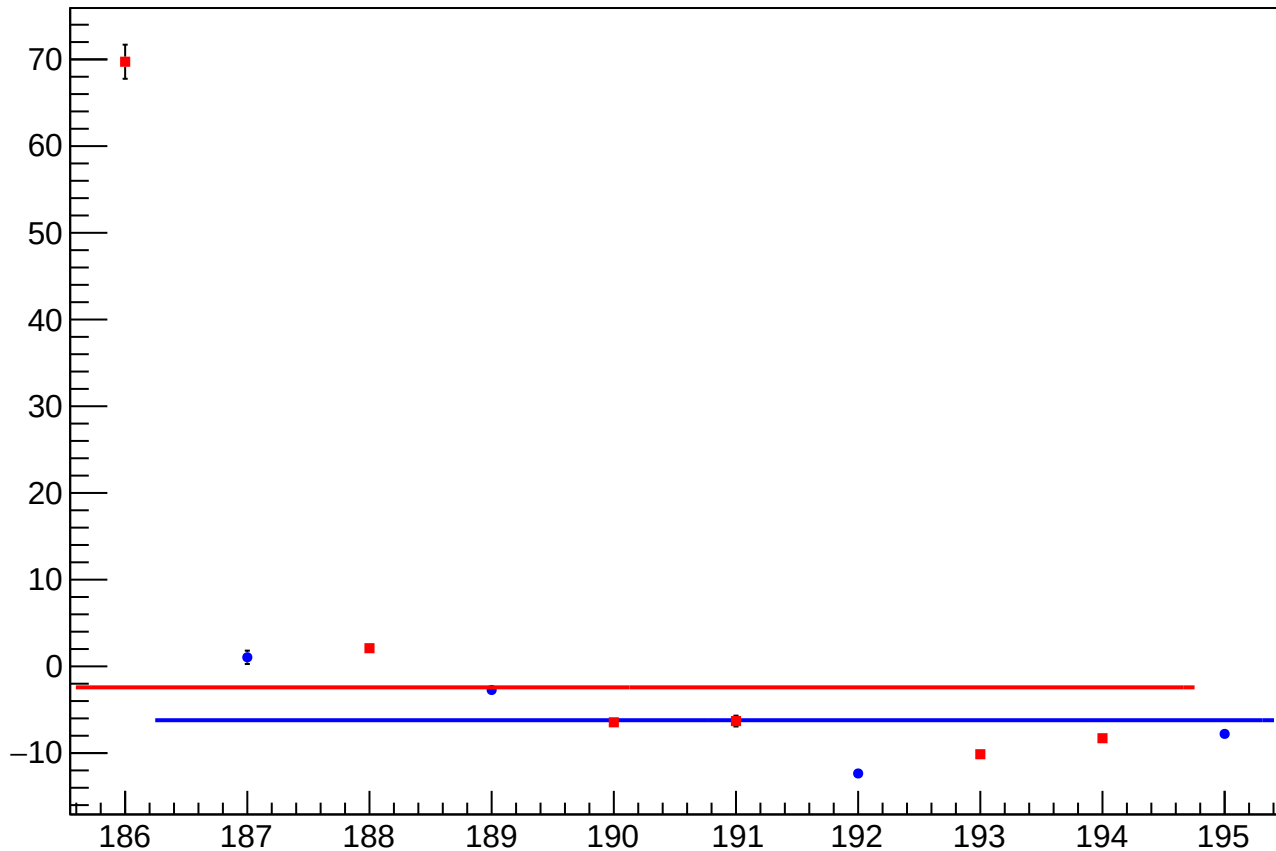
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -30.030+/-0.106  $\chi^2/\text{NDF}$ : 81.8/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-6.211 \pm 0.227$   $\chi^2/\text{NDF}$ : 339.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.421 \pm 0.149$   $\chi^2/\text{NDF}$ : 2530.5/5

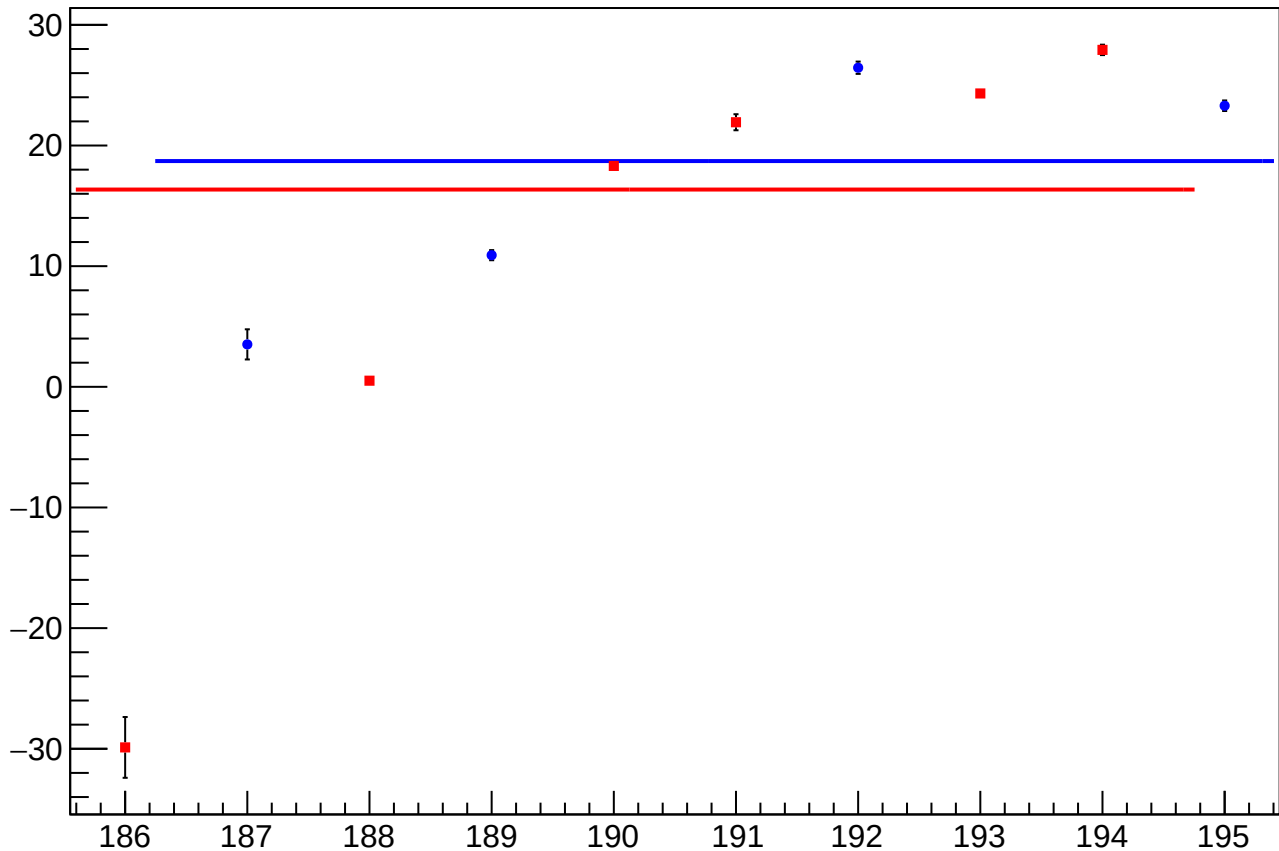
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.567 \pm 0.125$   $\chi^2/\text{NDF}$ : 3065.0/9

- 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: 18.712 $\pm$ 0.255  $\chi^2$ /NDF: 832.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 16.351 $\pm$ 0.188  $\chi^2$ /NDF: 3558.6/5

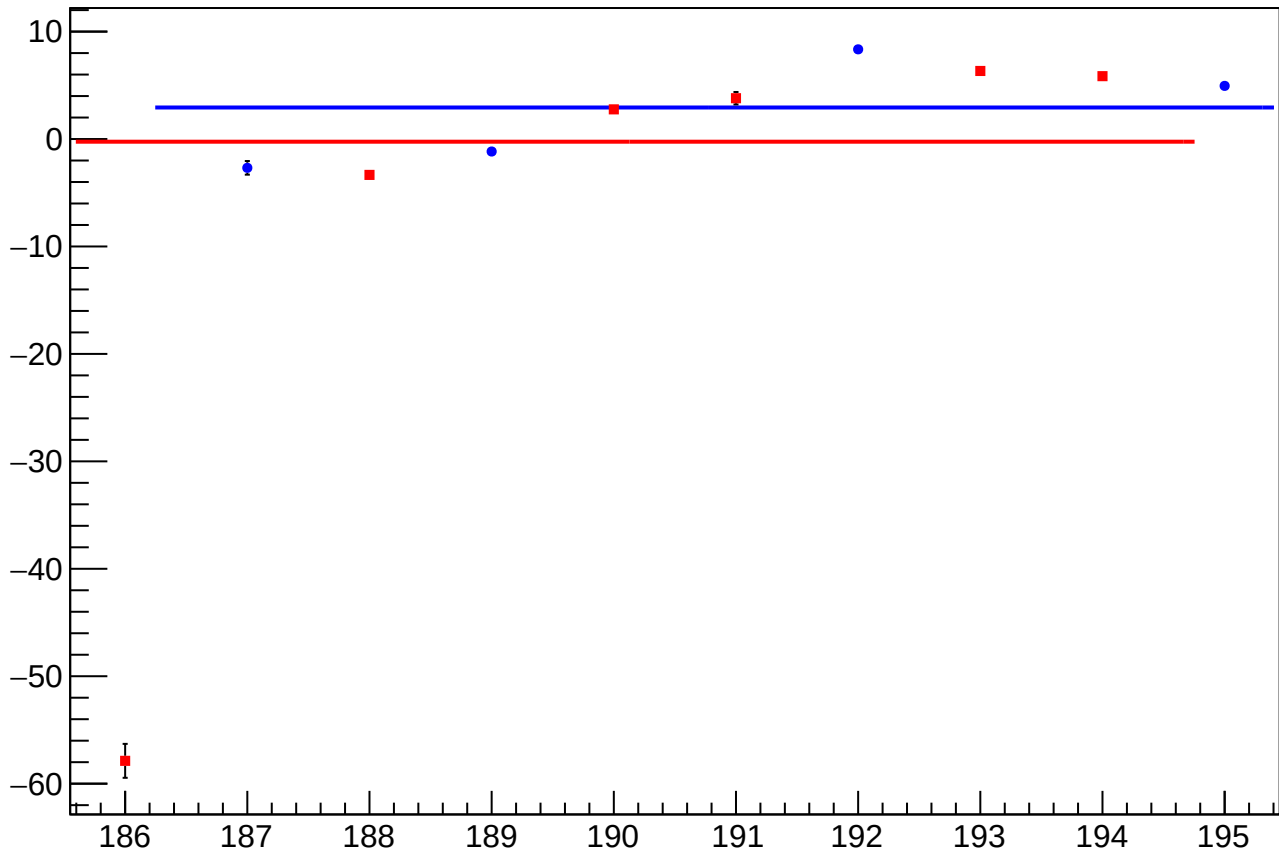
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.182 $\pm$ 0.151  $\chi^2$ /NDF: 4447.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 2.935 $\pm$ 0.201  $\chi^2$ /NDF: 404.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.248 $\pm$ 0.128  $\chi^2$ /NDF: 2390.0/5

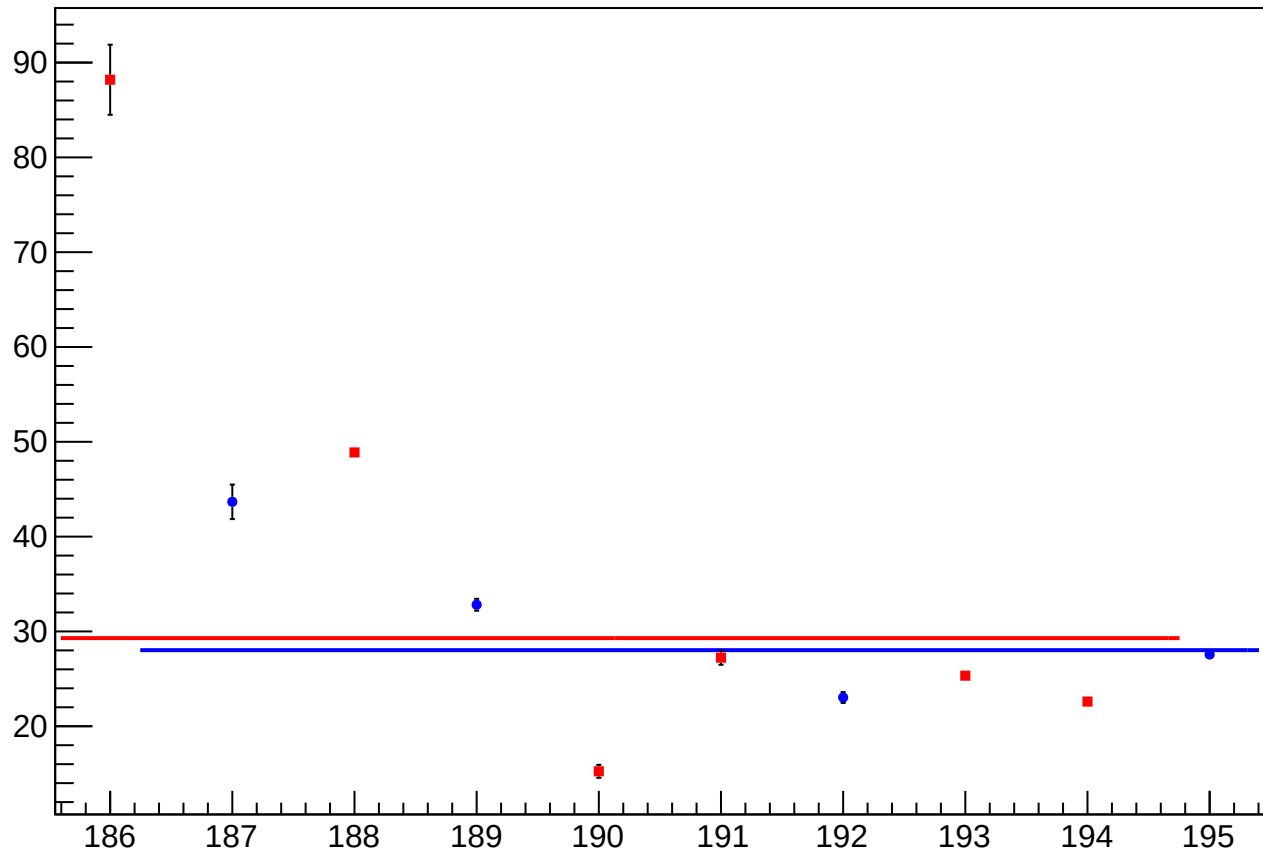
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.675 $\pm$ 0.108  $\chi^2$ /NDF: 2972.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 28.024 $\pm$ 0.318  $\chi^2$ /NDF: 208.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 29.294 $\pm$ 0.245  $\chi^2$ /NDF: 2420.1/5

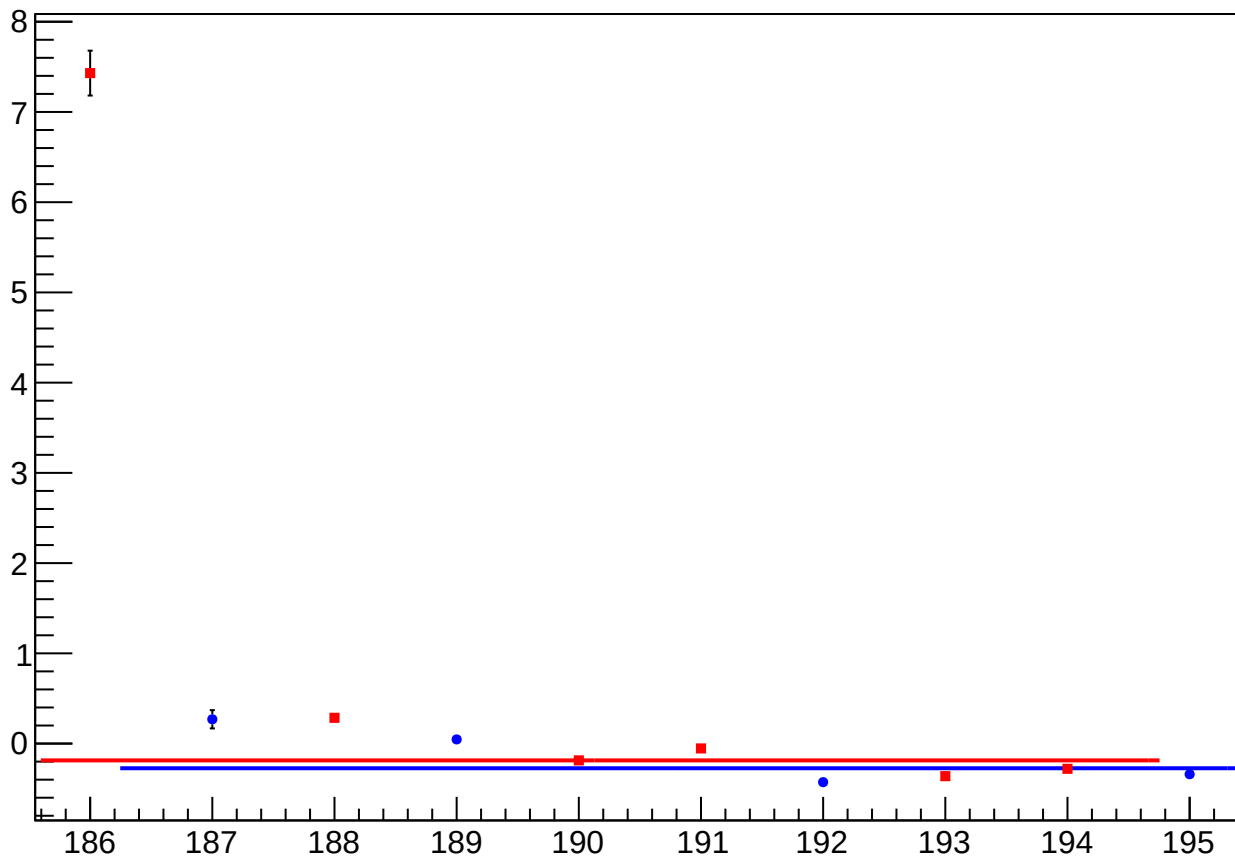
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 28.822 $\pm$ 0.194  $\chi^2$ /NDF: 2638.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.274 \pm 0.010$   $\chi^2/\text{NDF}: 350.8/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.186 \pm 0.008$   $\chi^2/\text{NDF}: 1584.2/5$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

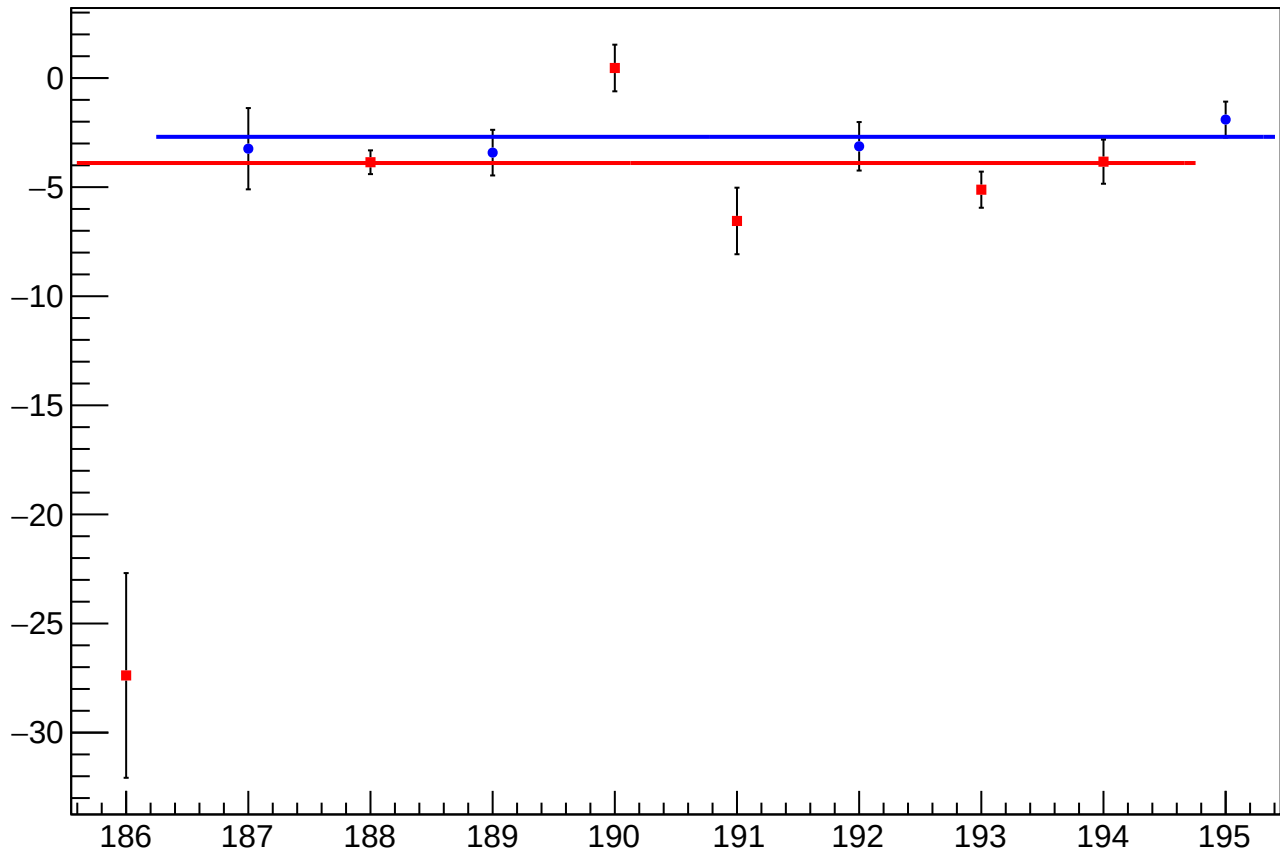
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.220 \pm 0.006$   $\chi^2/\text{NDF}: 1981.6/9$

- 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:  $-2.694 \pm 0.535$   $\chi^2/\text{NDF}$ : 1.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.895 \pm 0.374$   $\chi^2/\text{NDF}$ : 46.9/5

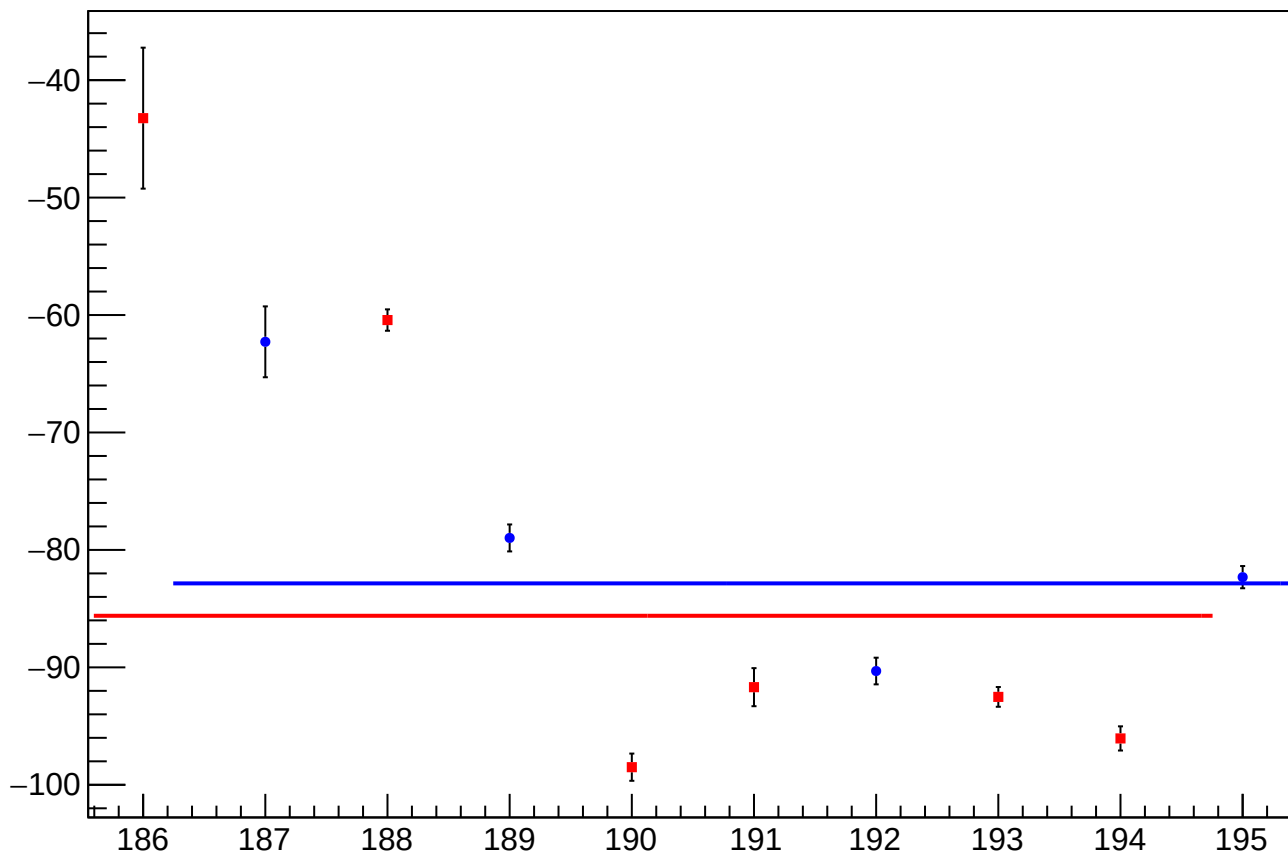
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.501 \pm 0.306$   $\chi^2/\text{NDF}$ : 51.9/9

- 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:  $-82.850 \pm 0.602$   $\chi^2/\text{NDF}: 101.3/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-85.607 \pm 0.460$   $\chi^2/\text{NDF}: 1122.5/5$

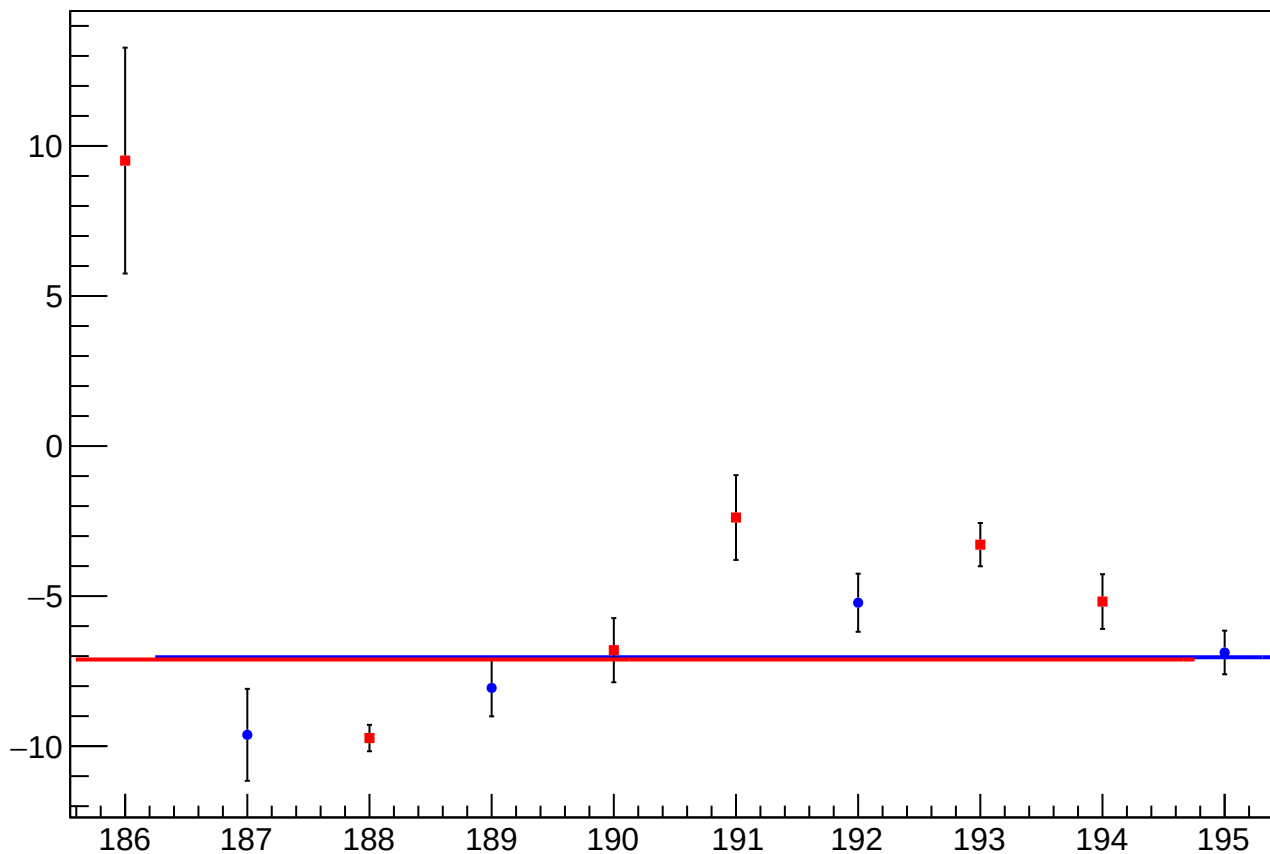
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-84.589 \pm 0.366$   $\chi^2/\text{NDF}: 1237.1/9$

- 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: -7.038 $\pm$ 0.471  $\chi^2$ /NDF: 7.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -7.113 $\pm$ 0.320  $\chi^2$ /NDF: 98.9/5

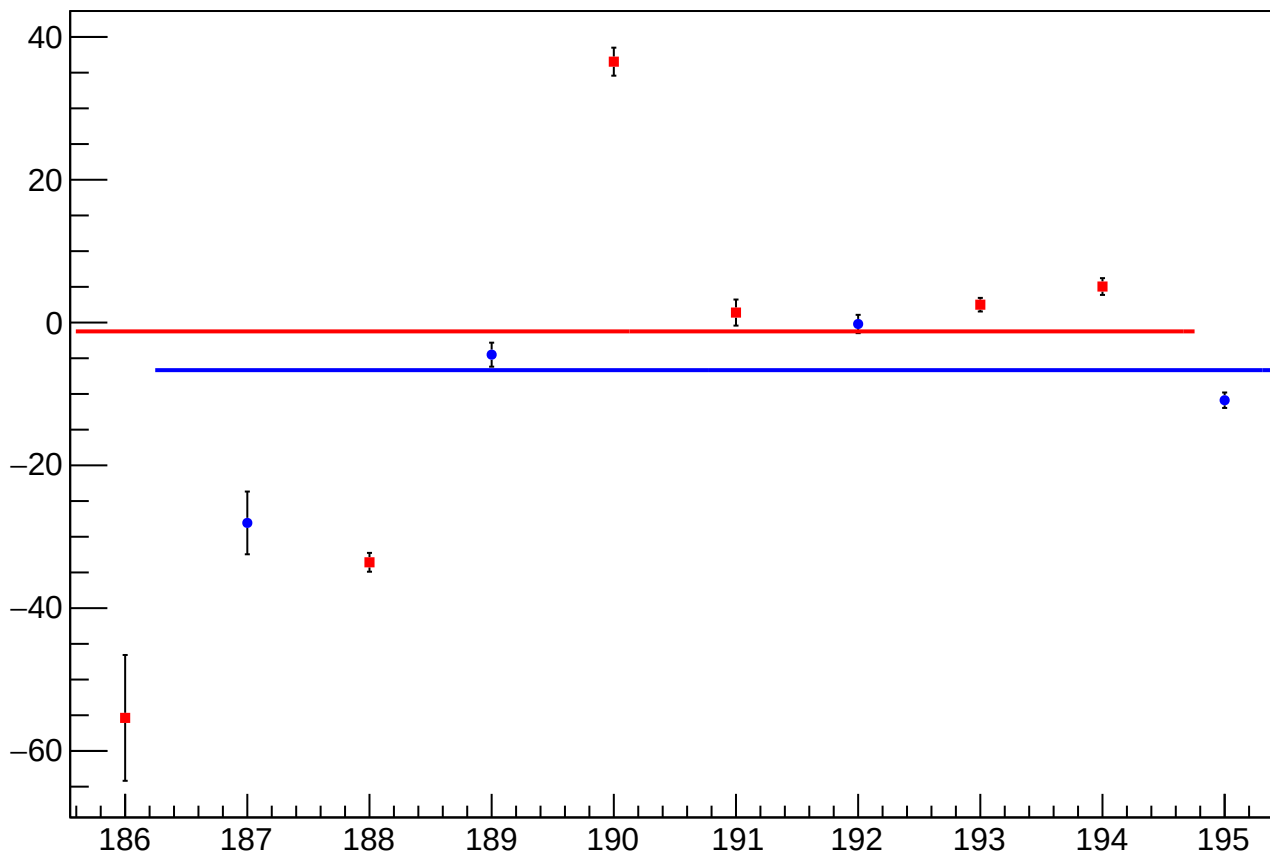
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.089 $\pm$ 0.265  $\chi^2$ /NDF: 106.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: -6.666 $\pm$ 0.732  $\chi^2/\text{NDF}$ : 66.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.237 $\pm$ 0.580  $\chi^2/\text{NDF}$ : 1056.3/5

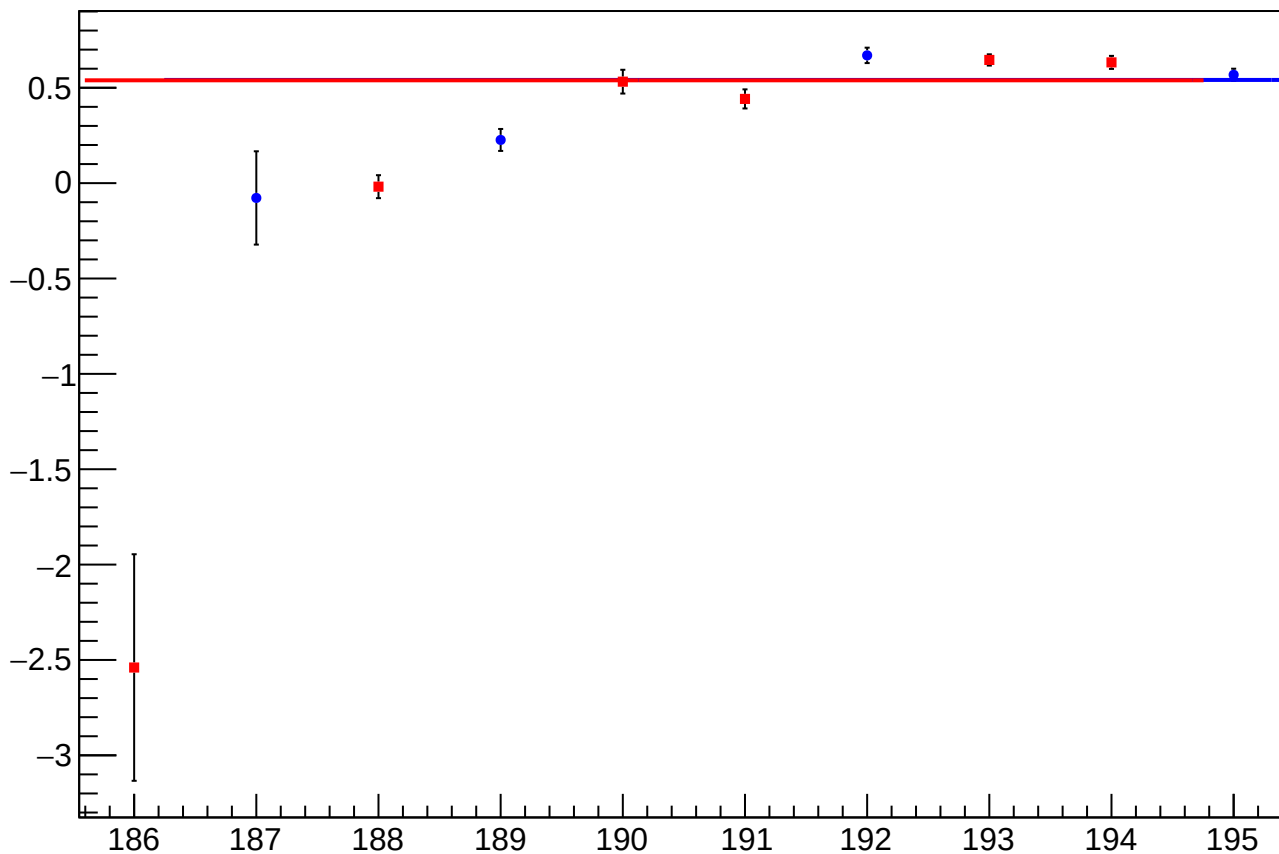
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.331 $\pm$ 0.454  $\chi^2/\text{NDF}$ : 1156.1/9

- 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: 0.541 $\pm$ 0.023  $\chi^2$ /NDF: 47.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.539 $\pm$ 0.018  $\chi^2$ /NDF: 137.1/5

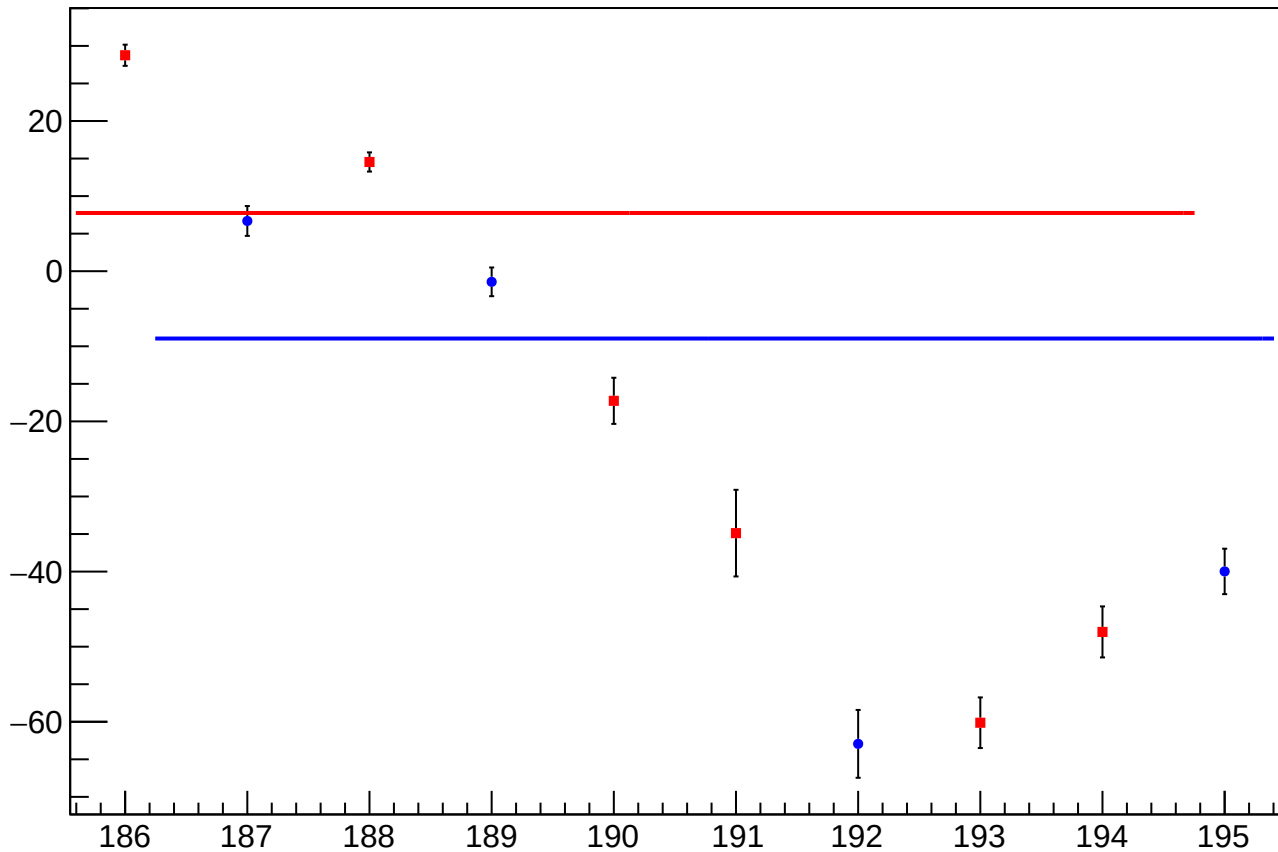
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.540 $\pm$ 0.014  $\chi^2$ /NDF: 184.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -8.965+/-1.208  $\chi^2/\text{NDF}$ : 325.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.752+/-0.837  $\chi^2/\text{NDF}$ : 1046.5/5

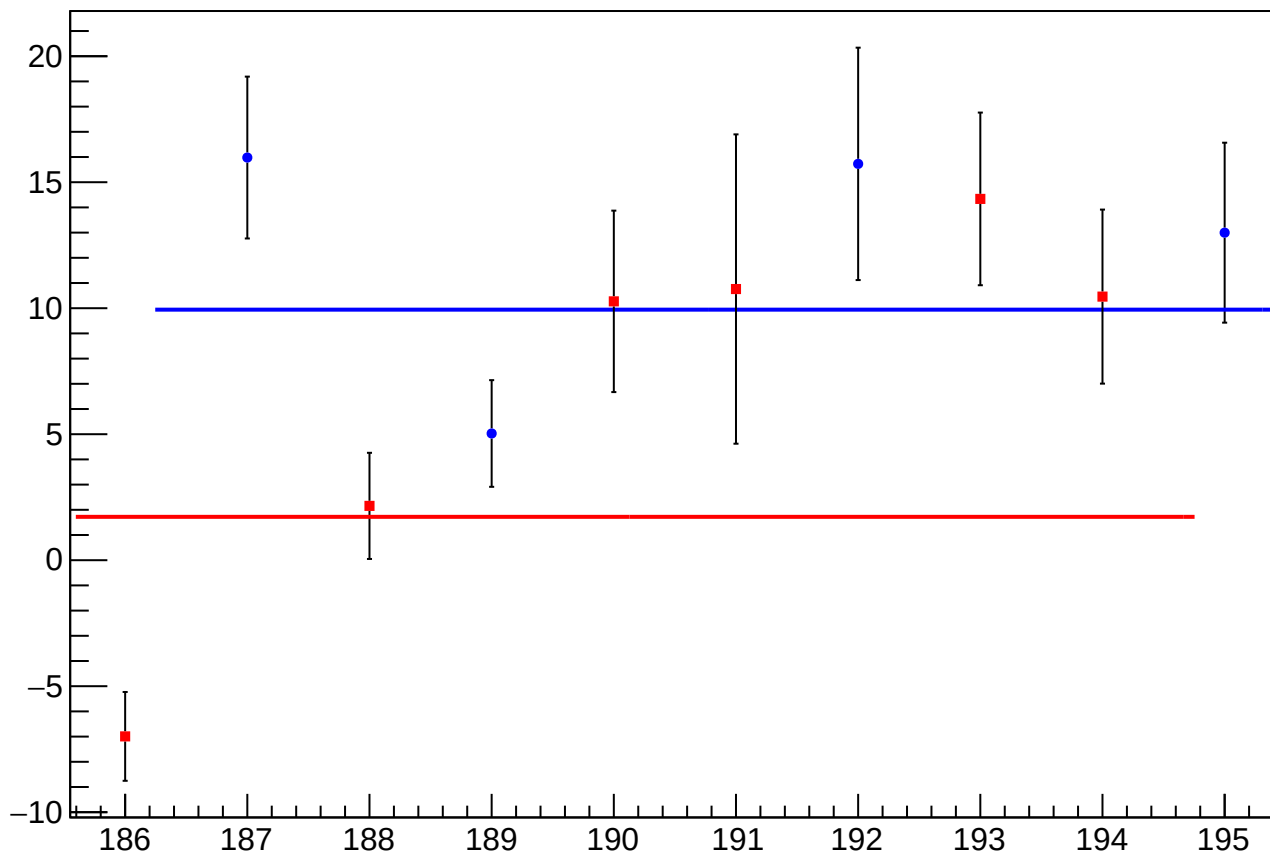
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.331+/-0.688  $\chi^2/\text{NDF}$ : 1501.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 9.943 $\pm$ 1.498  $\chi^2$ /NDF: 11.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.721 $\pm$ 1.104  $\chi^2$ /NDF: 52.3/5

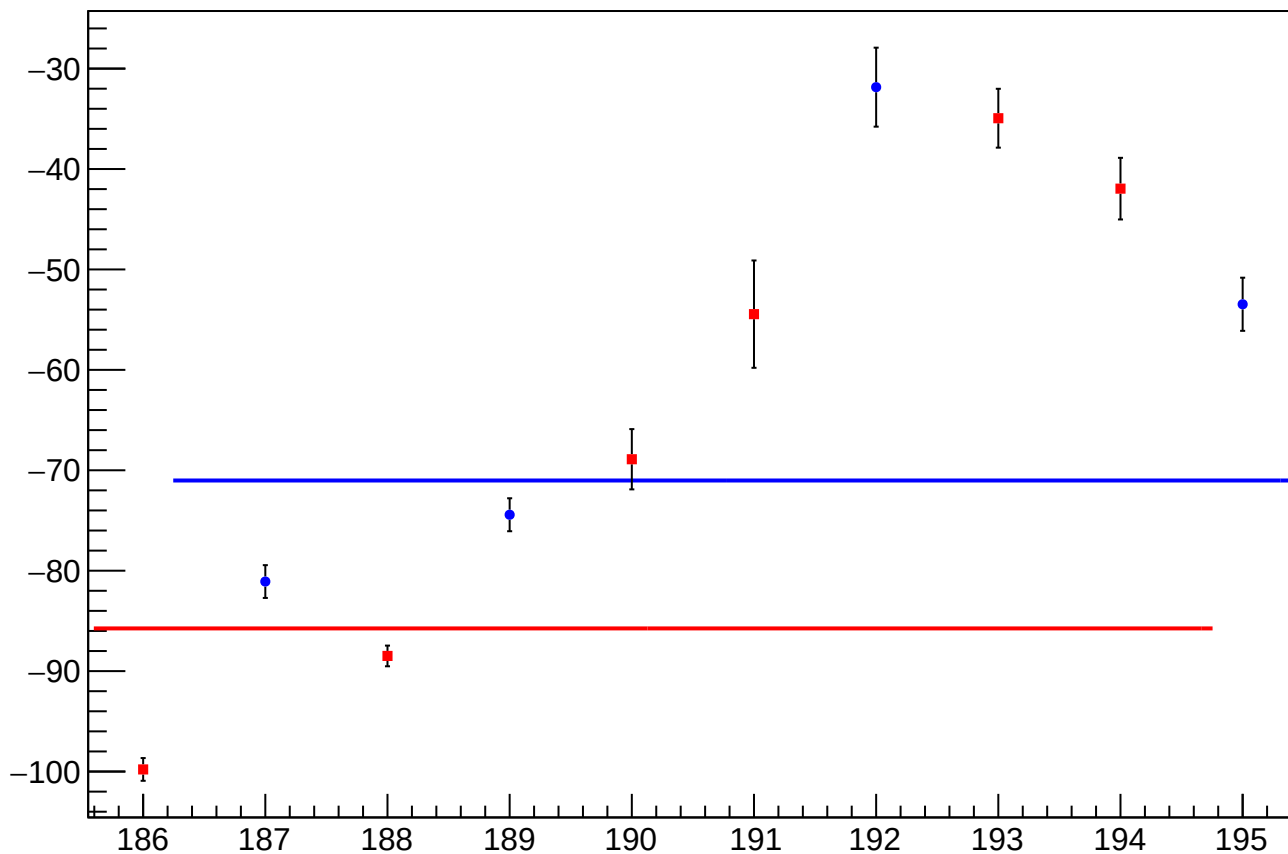
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.616 $\pm$ 0.889  $\chi^2$ /NDF: 83.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -71.017 $\pm$ 1.024  $\chi^2$ /NDF: 185.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -85.748 $\pm$ 0.692  $\chi^2$ /NDF: 730.8/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

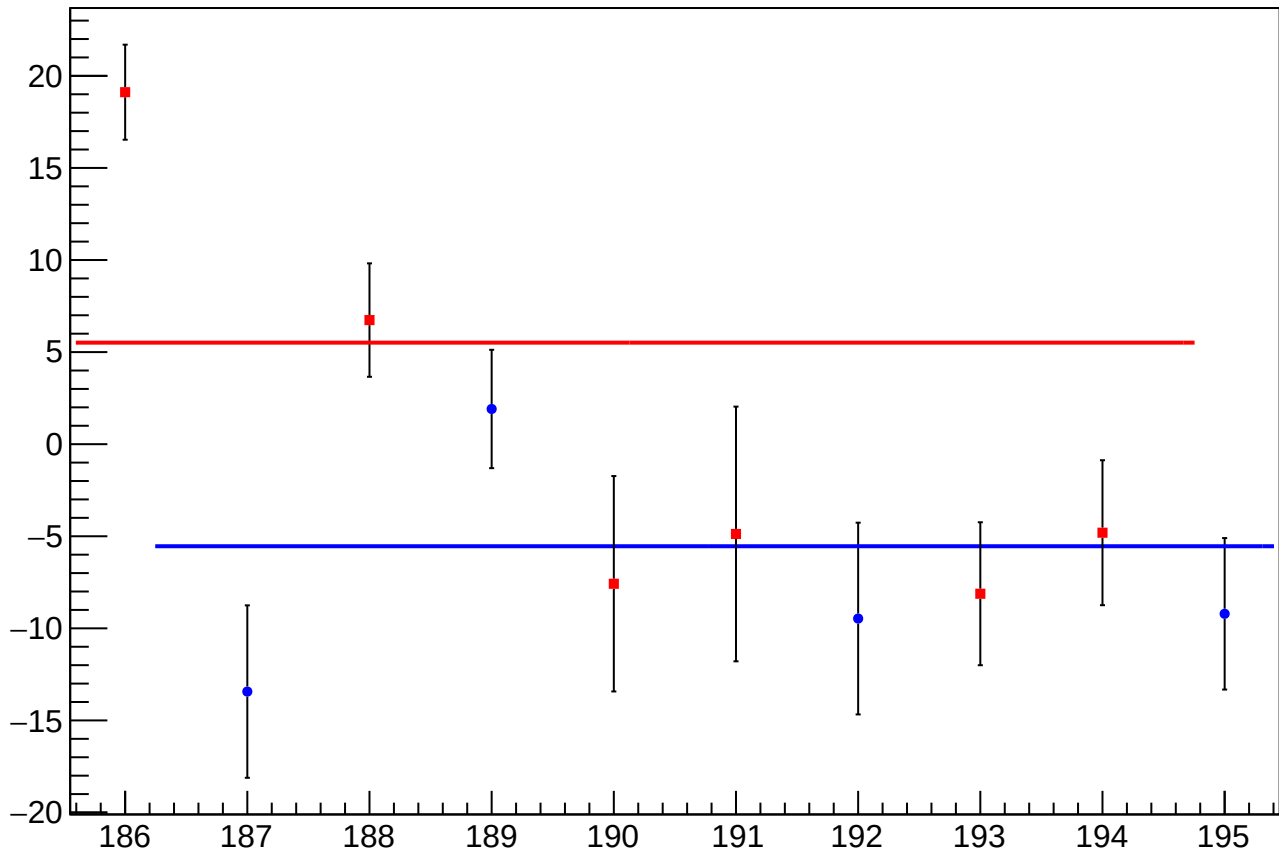
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -81.132 $\pm$ 0.573  $\chi^2$ /NDF: 1058.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: -5.542 $\pm$ 2.048  $\chi^2$ /NDF: 9.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 5.514 $\pm$ 1.513  $\chi^2$ /NDF: 54.4/5

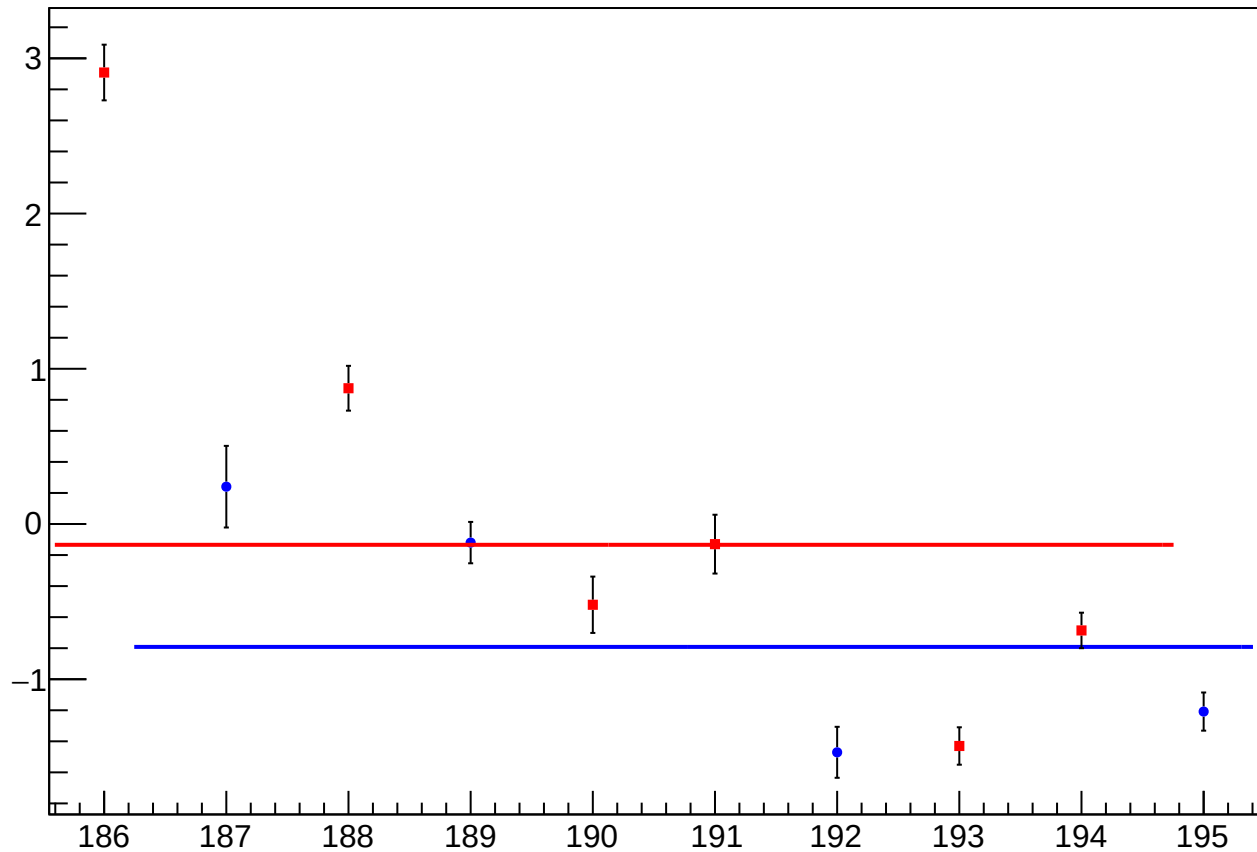
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.609 $\pm$ 1.217  $\chi^2$ /NDF: 82.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.792 \pm 0.076$   $\chi^2/\text{NDF}$ : 69.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.134 \pm 0.059$   $\chi^2/\text{NDF}$ : 480.0/5

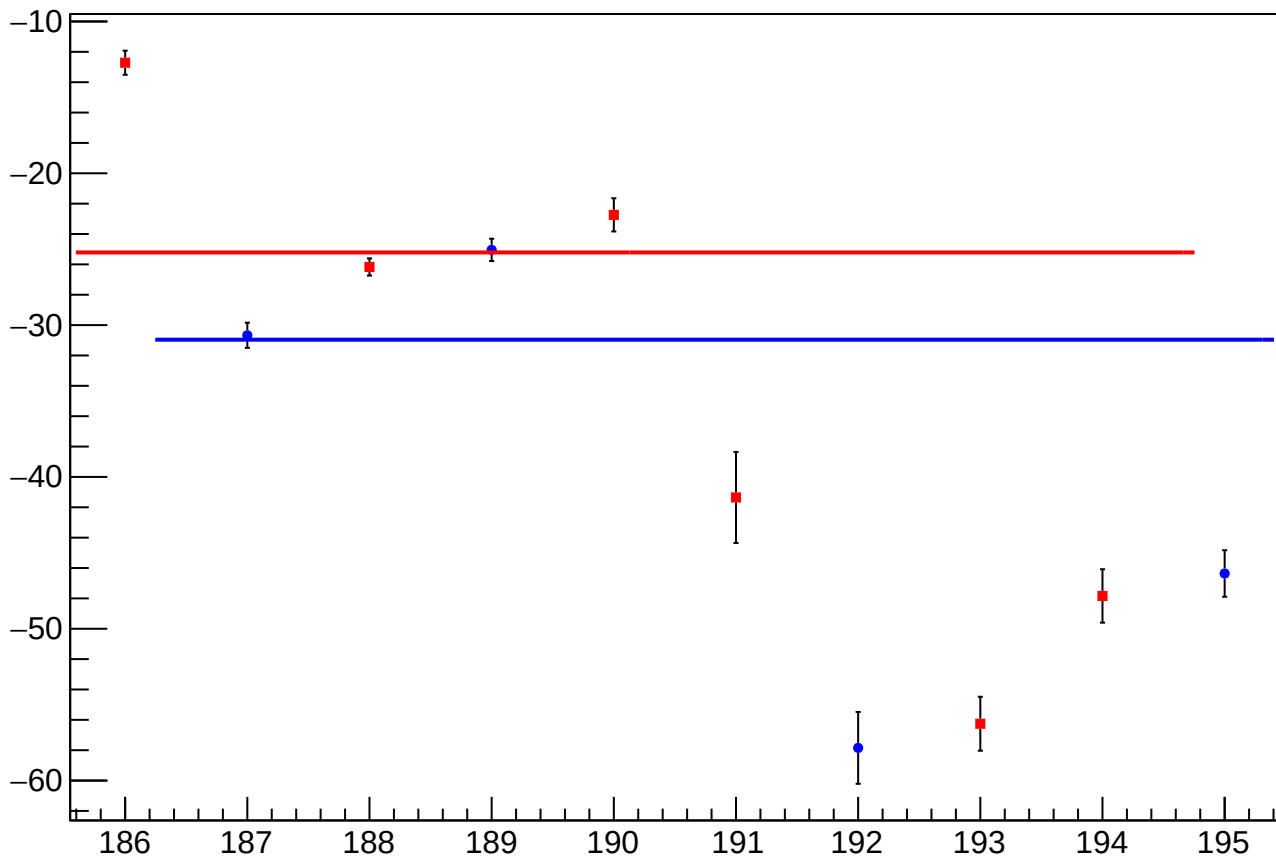
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.385 \pm 0.047$   $\chi^2/\text{NDF}$ : 596.0/9

- 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:  $-30.960 \pm 0.505$   $\chi^2/\text{NDF}$ : 295.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-25.213 \pm 0.399$   $\chi^2/\text{NDF}$ : 755.1/5

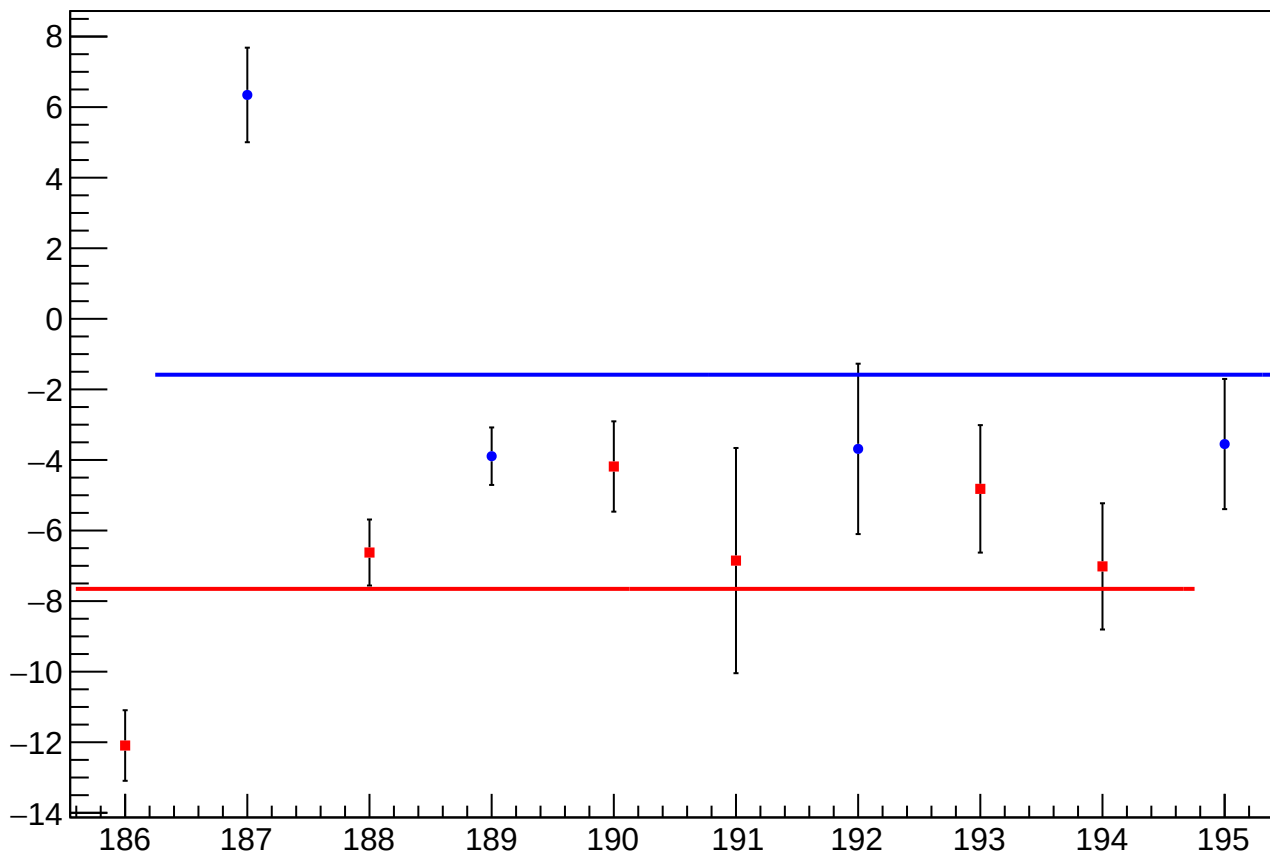
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-27.418 \pm 0.313$   $\chi^2/\text{NDF}$ : 1129.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -1.584 $\pm$ 0.629  $\chi^2$ /NDF: 44.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -7.653 $\pm$ 0.537  $\chi^2$ /NDF: 30.9/5

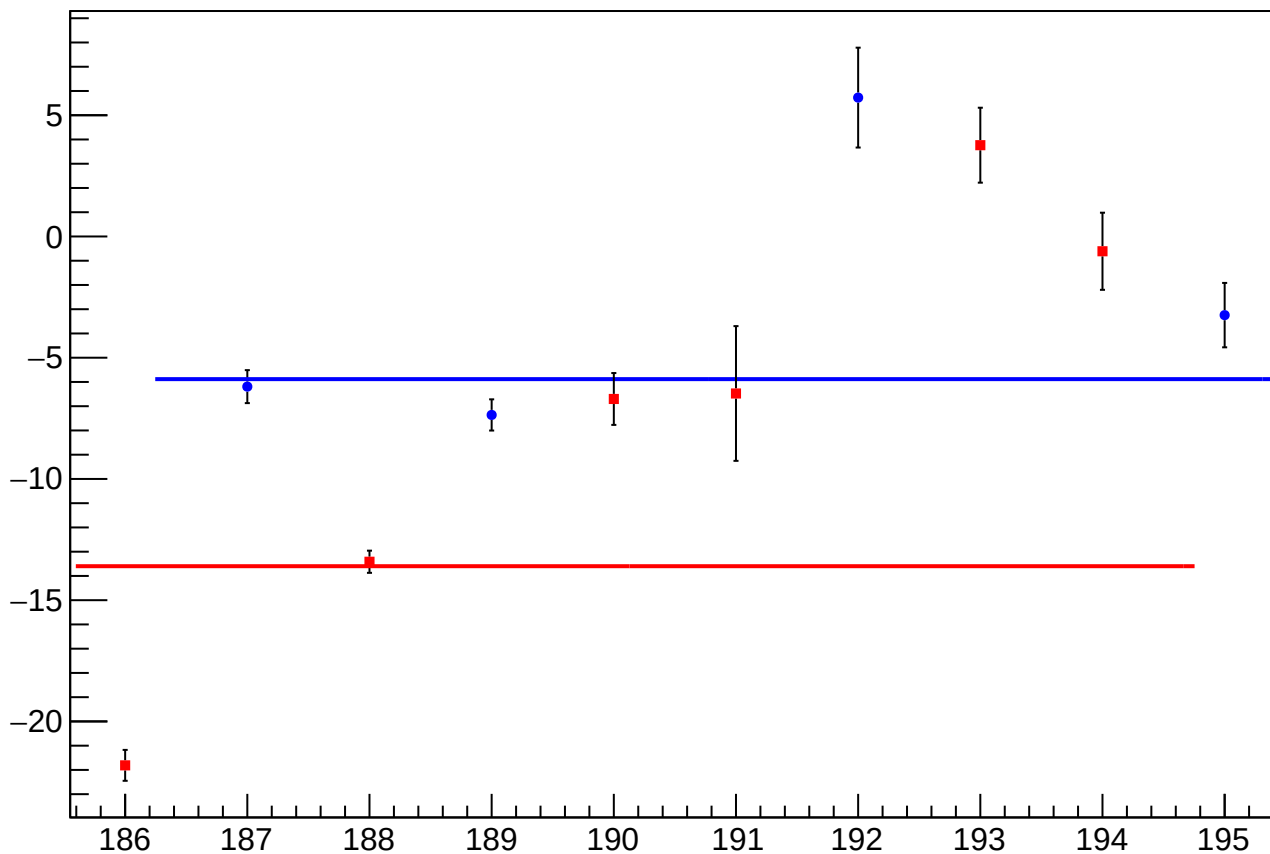
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -5.095 $\pm$ 0.408  $\chi^2$ /NDF: 129.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: -5.883+/-0.431  $\chi^2/\text{NDF}$ : 41.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -13.598+/-0.332  $\chi^2/\text{NDF}$ : 407.4/5

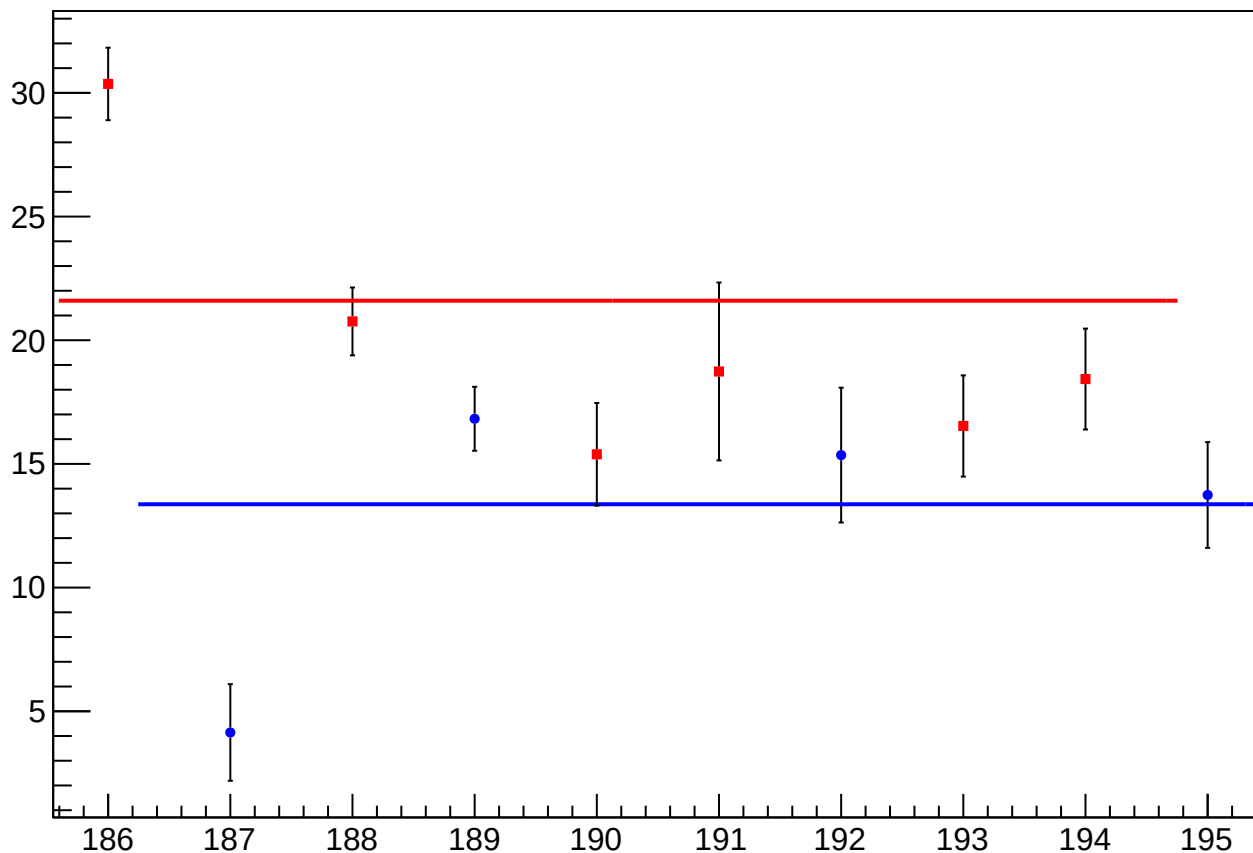
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -10.724+/-0.263  $\chi^2/\text{NDF}$ : 649.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 13.369 $\pm$ 0.908  $\chi^2$ /NDF: 30.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 21.598 $\pm$ 0.748  $\chi^2$ /NDF: 54.2/5

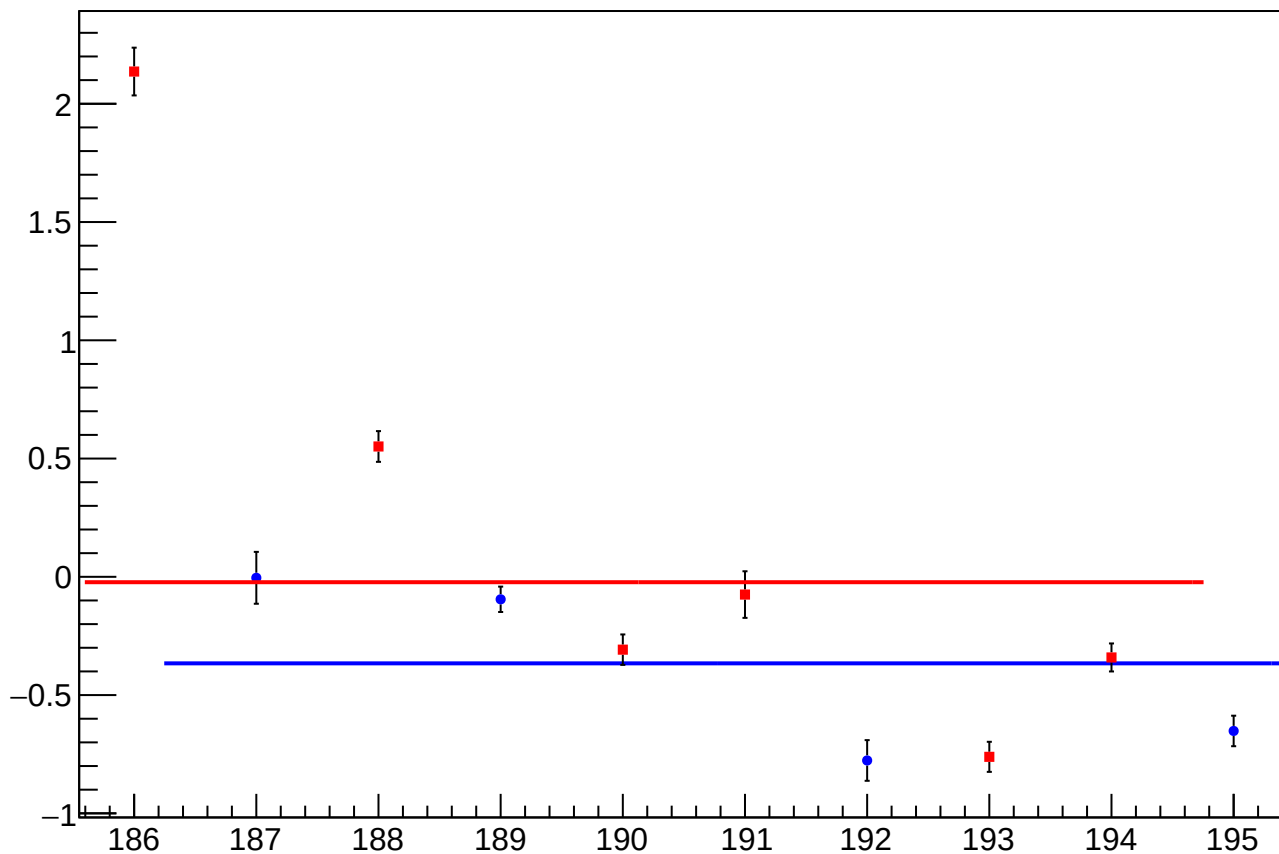
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 18.268 $\pm$ 0.577  $\chi^2$ /NDF: 133.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.366 \pm 0.035$   $\chi^2/\text{NDF}$ : 78.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.023 \pm 0.029$   $\chi^2/\text{NDF}$ : 719.1/5

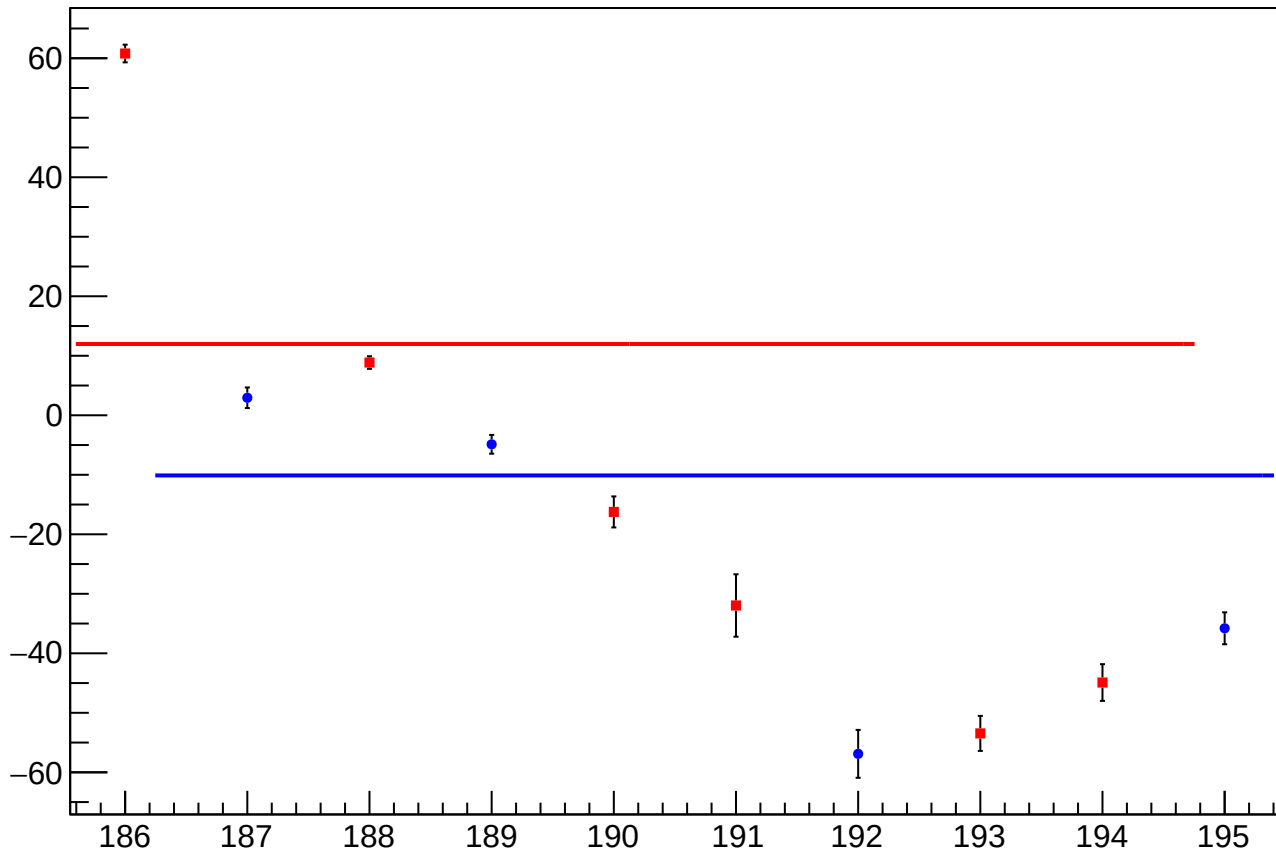
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.160 \pm 0.022$   $\chi^2/\text{NDF}$ : 854.9/9

- 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:  $-10.109 \pm 1.033$   $\chi^2/\text{NDF}$ : 294.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $11.980 \pm 0.755$   $\chi^2/\text{NDF}$ : 2109.5/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

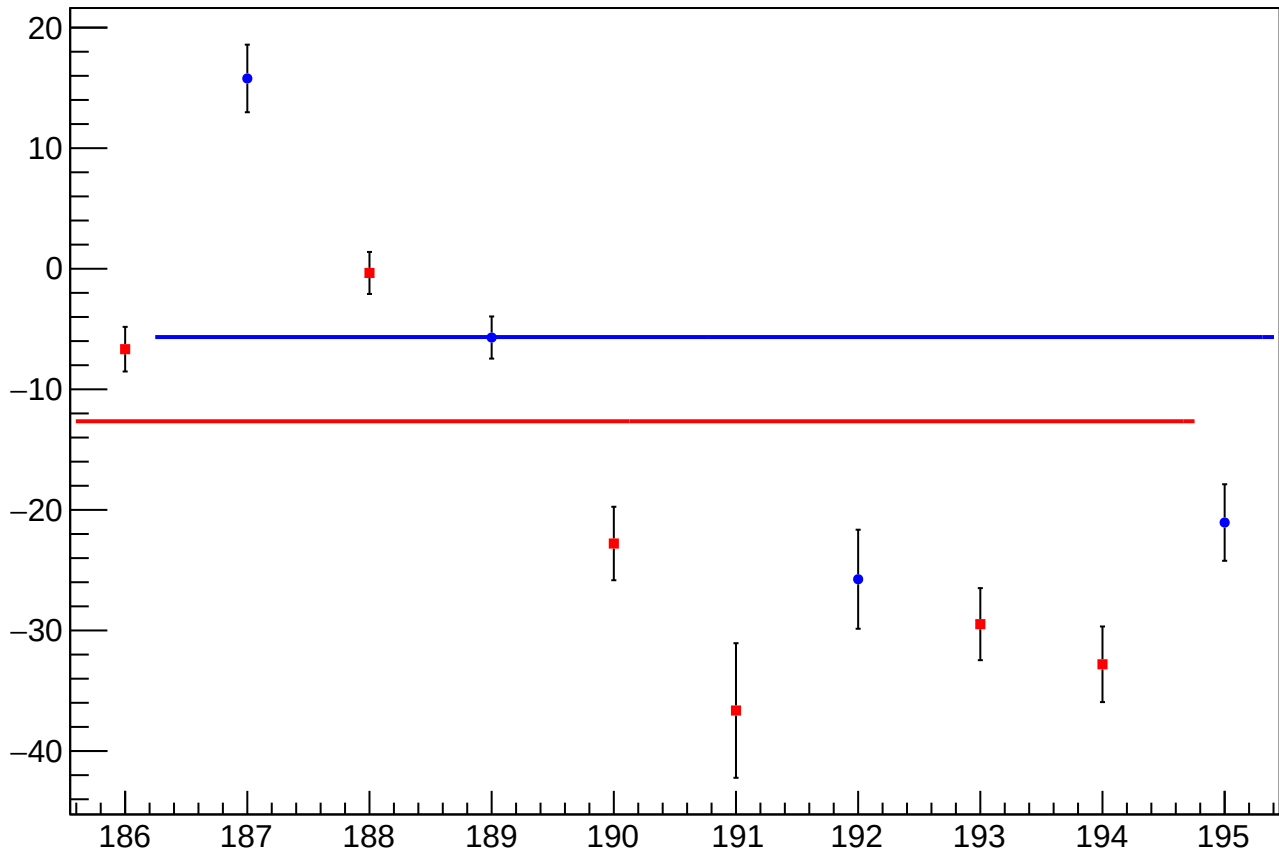
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $4.286 \pm 0.610$   $\chi^2/\text{NDF}$ : 2701.9/9

- 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: -5.665+/-1.277  $\chi^2/\text{NDF}$ : 106.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -12.649+/-1.013  $\chi^2/\text{NDF}$ : 162.8/5

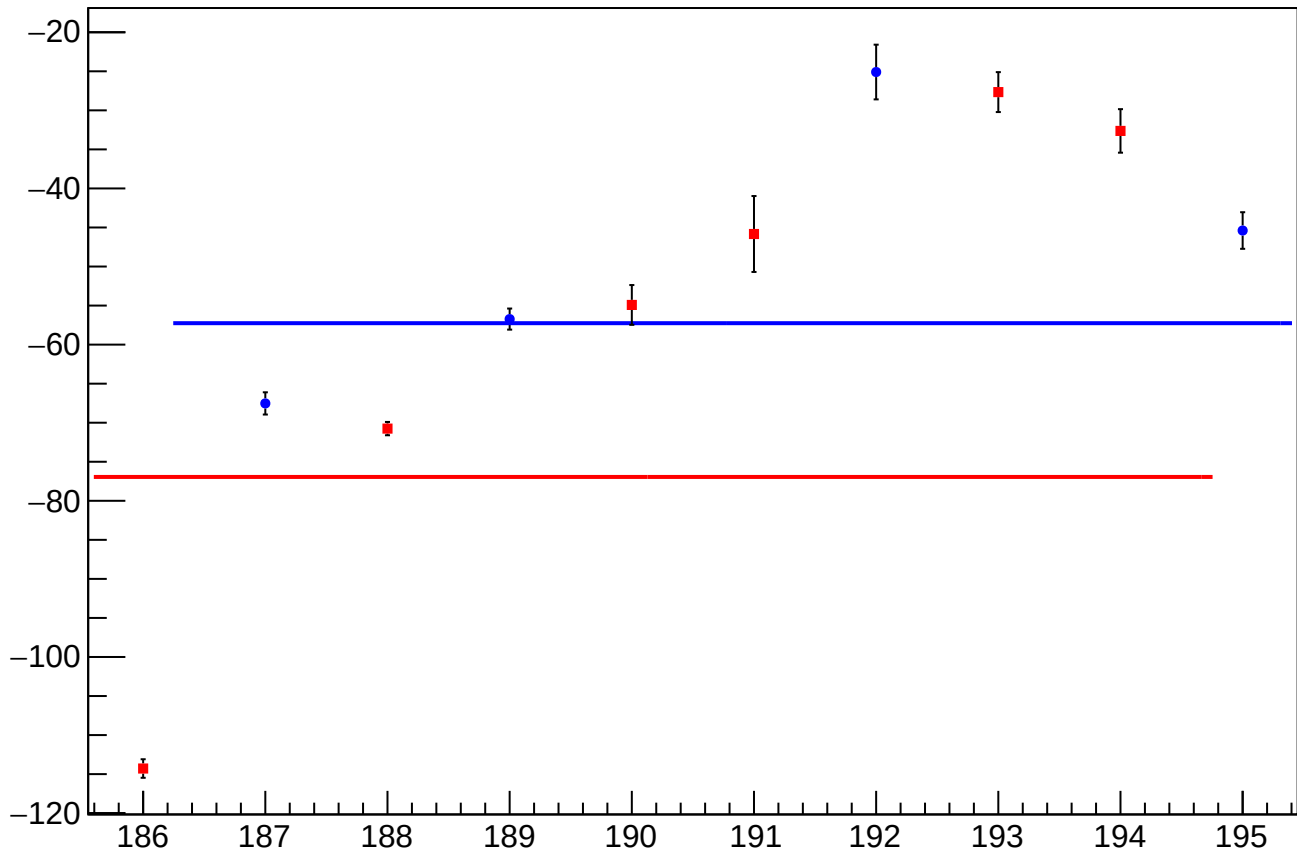
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -9.953+/-0.794  $\chi^2/\text{NDF}$ : 287.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -57.255 $\pm$ 0.875  $\chi^2$ /NDF: 162.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -76.944 $\pm$ 0.625  $\chi^2$ /NDF: 1780.3/5

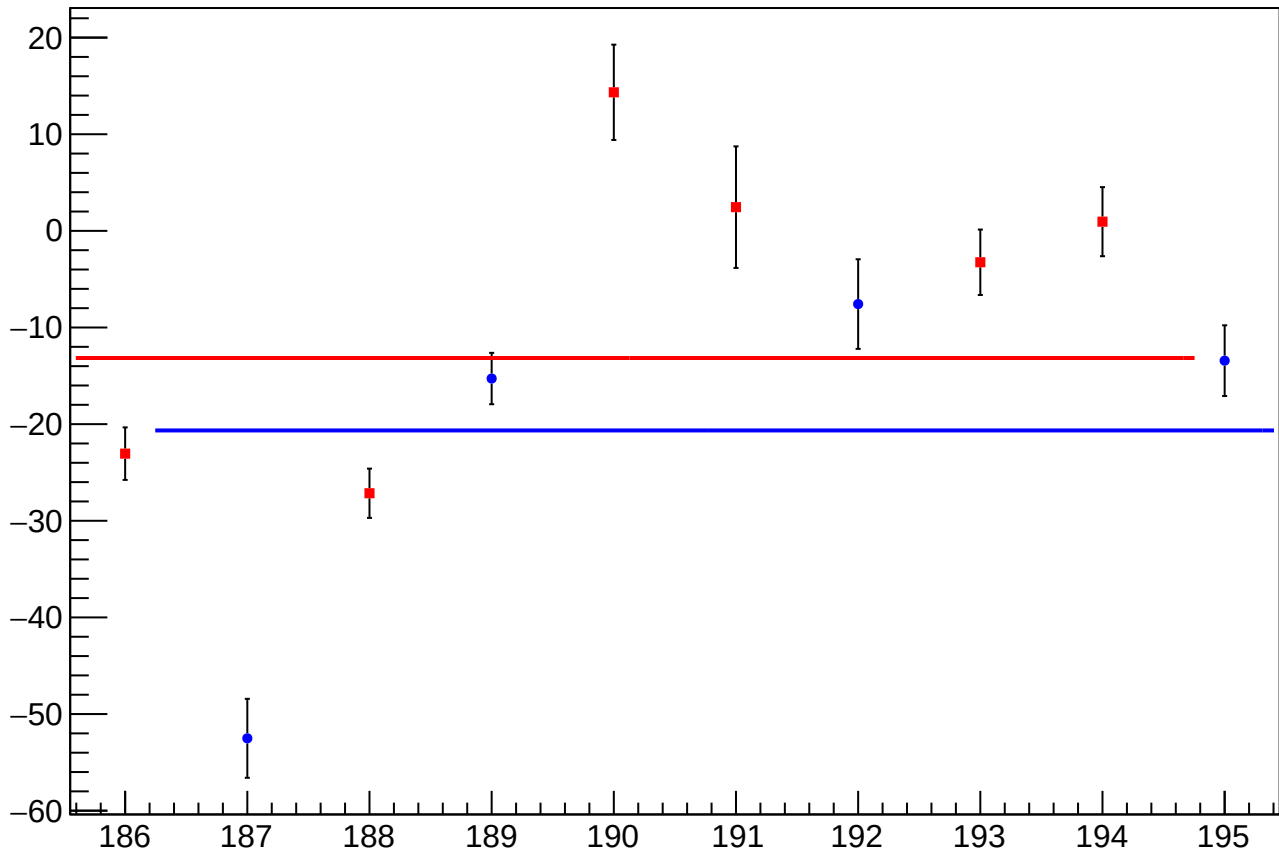
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -70.295 $\pm$ 0.509  $\chi^2$ /NDF: 2277.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: -20.652+/-1.760  $\chi^2/\text{NDF}$ : 76.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -13.155+/-1.385  $\chi^2/\text{NDF}$ : 104.8/5

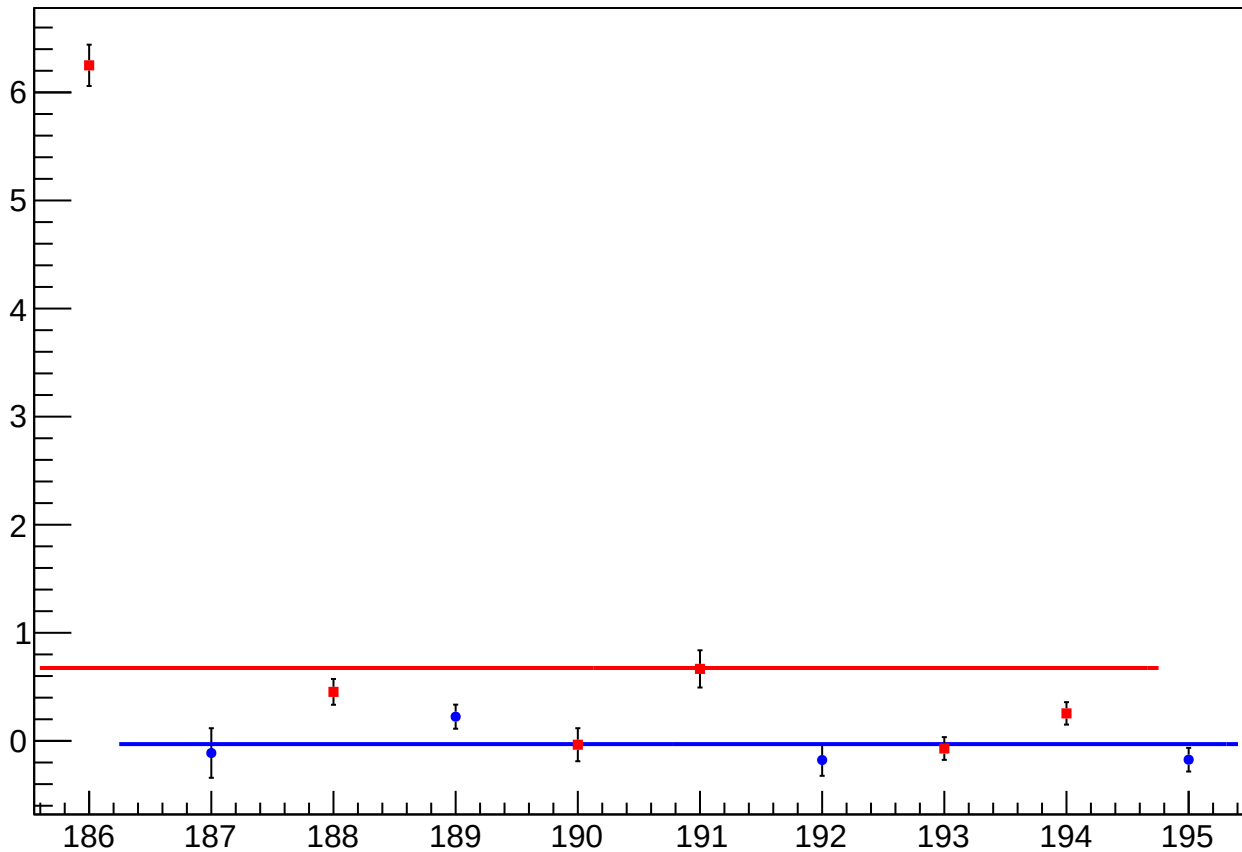
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -16.022+/-1.088  $\chi^2/\text{NDF}$ : 192.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.030 \pm 0.066$   $\chi^2/\text{NDF}$ : 8.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.675 \pm 0.053$   $\chi^2/\text{NDF}$ : 942.2/5

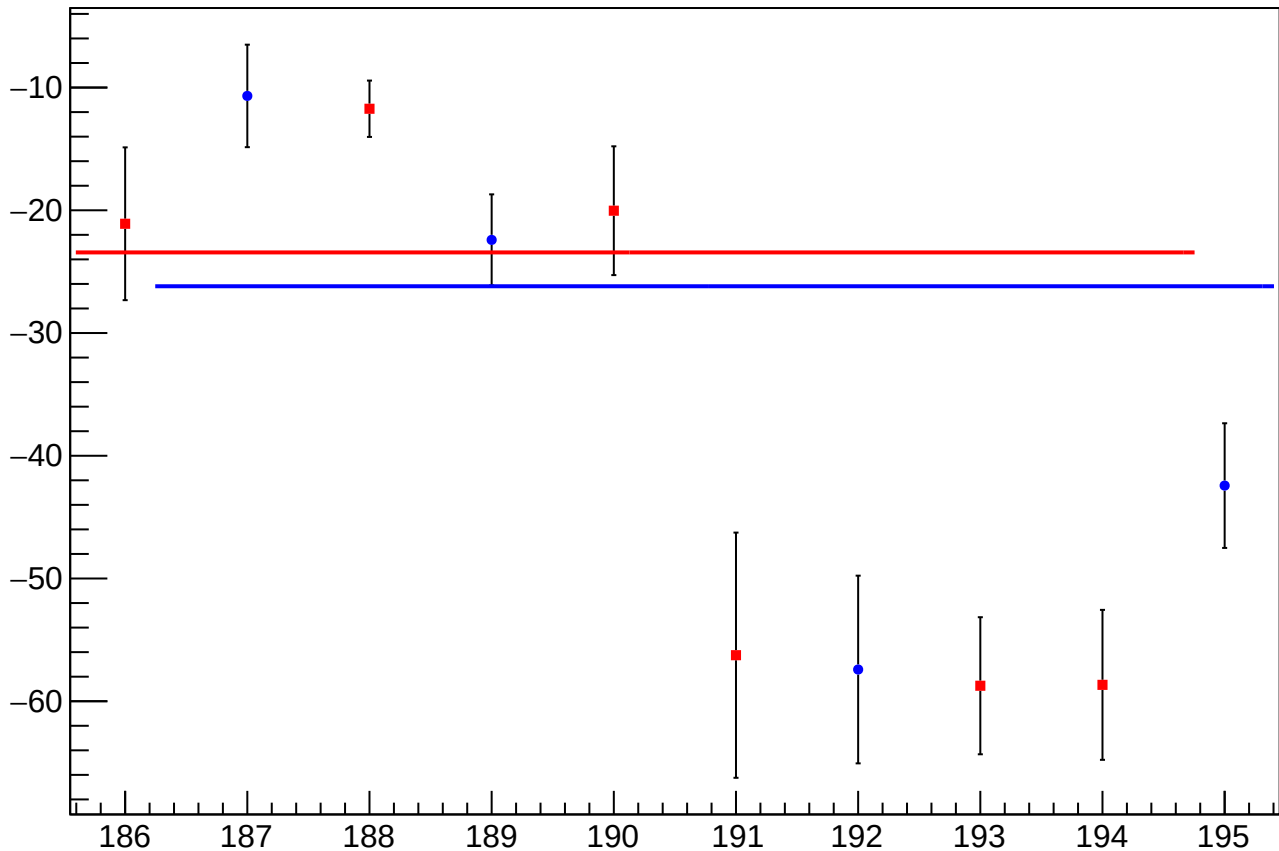
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.399 \pm 0.041$   $\chi^2/\text{NDF}$ : 1019.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_26\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-26.189 \pm 2.319$   $\chi^2/\text{NDF}$ : 41.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-23.432 \pm 1.766$   $\chi^2/\text{NDF}$ : 110.6/5

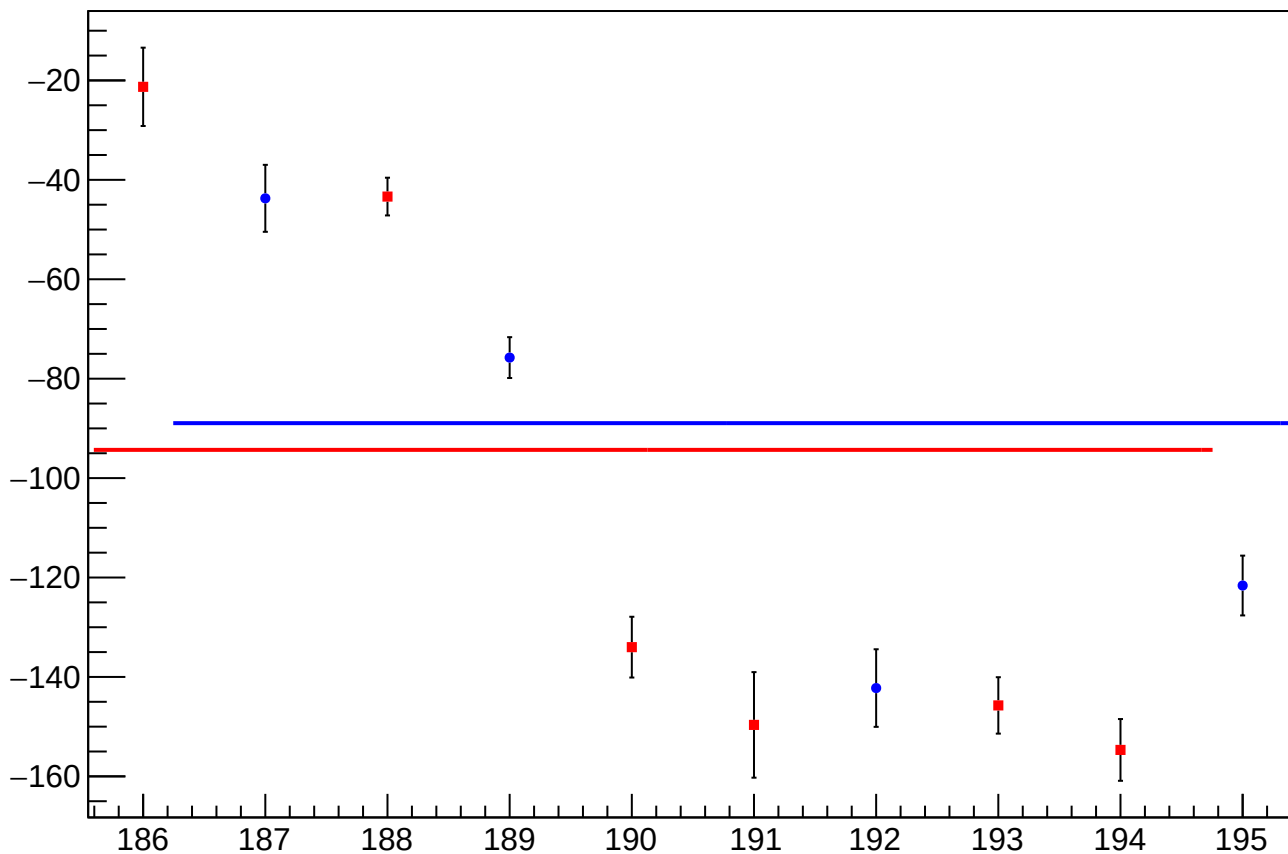
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-24.444 \pm 1.405$   $\chi^2/\text{NDF}$ : 153.2/9

- 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:  $-88.947 \pm 2.825$   $\chi^2/\text{NDF}: 131.5/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-94.320 \pm 2.369$   $\chi^2/\text{NDF}: 512.0/5$

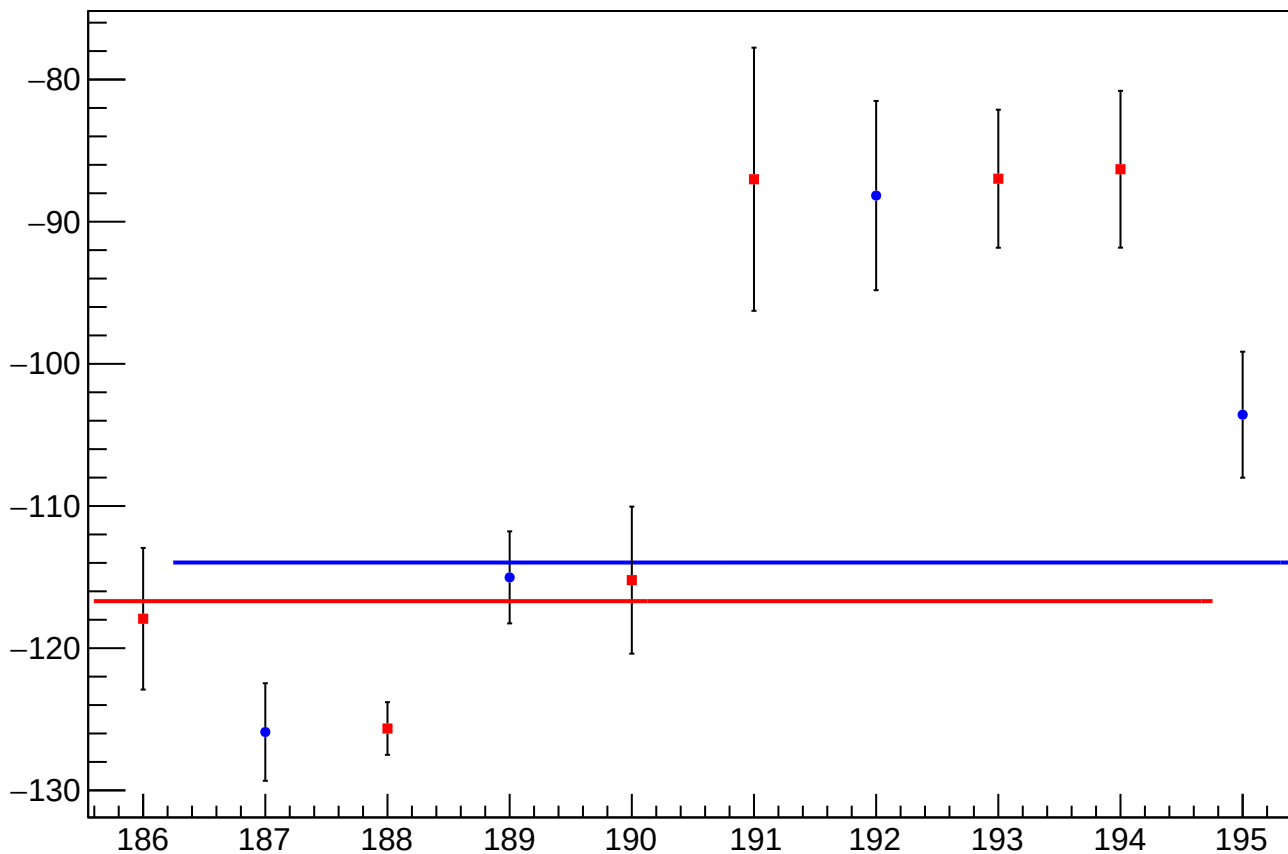
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-92.101 \pm 1.815$   $\chi^2/\text{NDF}: 645.6/9$

- 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: -113.974 $\pm$ 1.985  $\chi^2$ /NDF: 32.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -116.689 $\pm$ 1.481  $\chi^2$ /NDF: 101.6/5

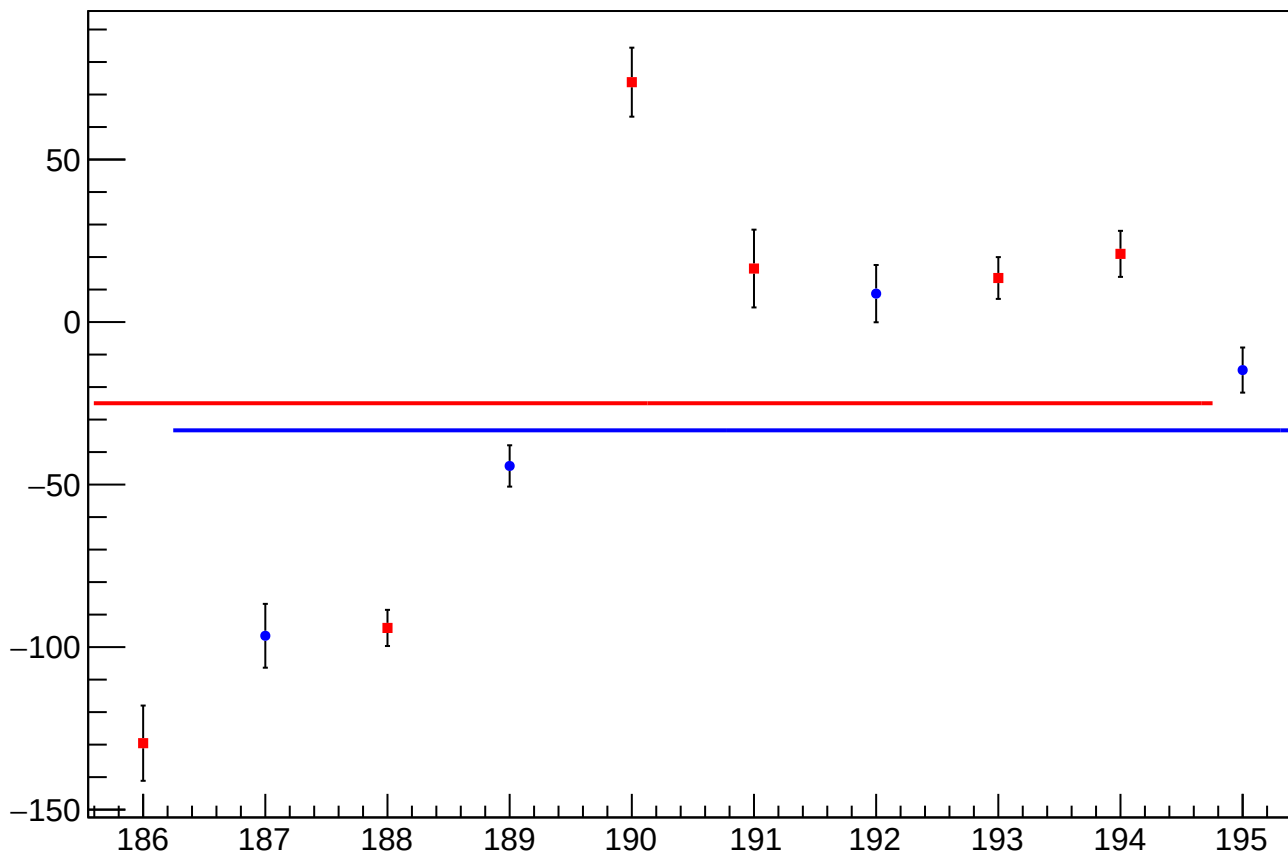
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -115.718 $\pm$ 1.187  $\chi^2$ /NDF: 135.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-33.309 \pm 3.814$   $\chi^2/\text{NDF}$ : 74.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-24.976 \pm 3.166$   $\chi^2/\text{NDF}$ : 412.7/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

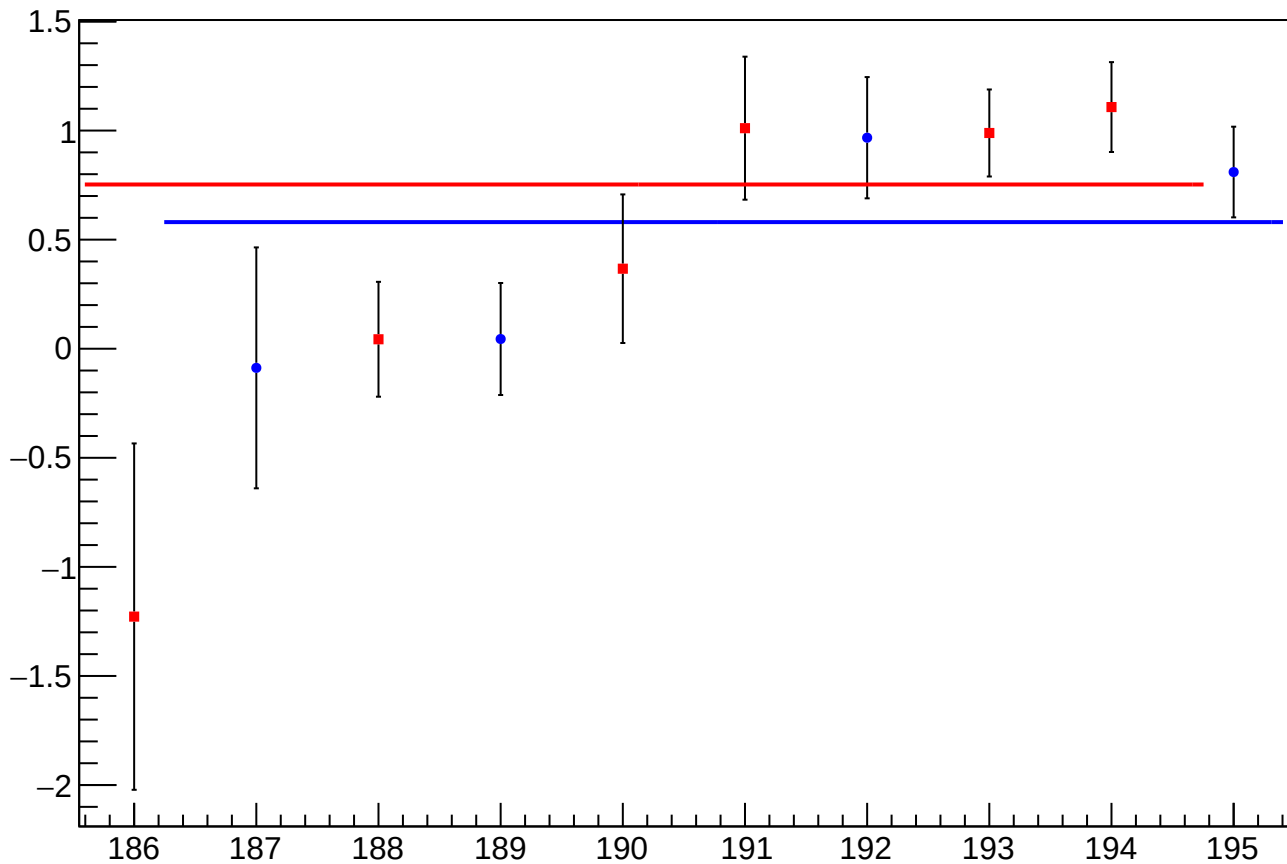
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-28.375 \pm 2.436$   $\chi^2/\text{NDF}$ : 489.9/9

- 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: 0.580 $\pm$ 0.135  $\chi^2$ /NDF: 9.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.753 $\pm$ 0.110  $\chi^2$ /NDF: 19.8/5

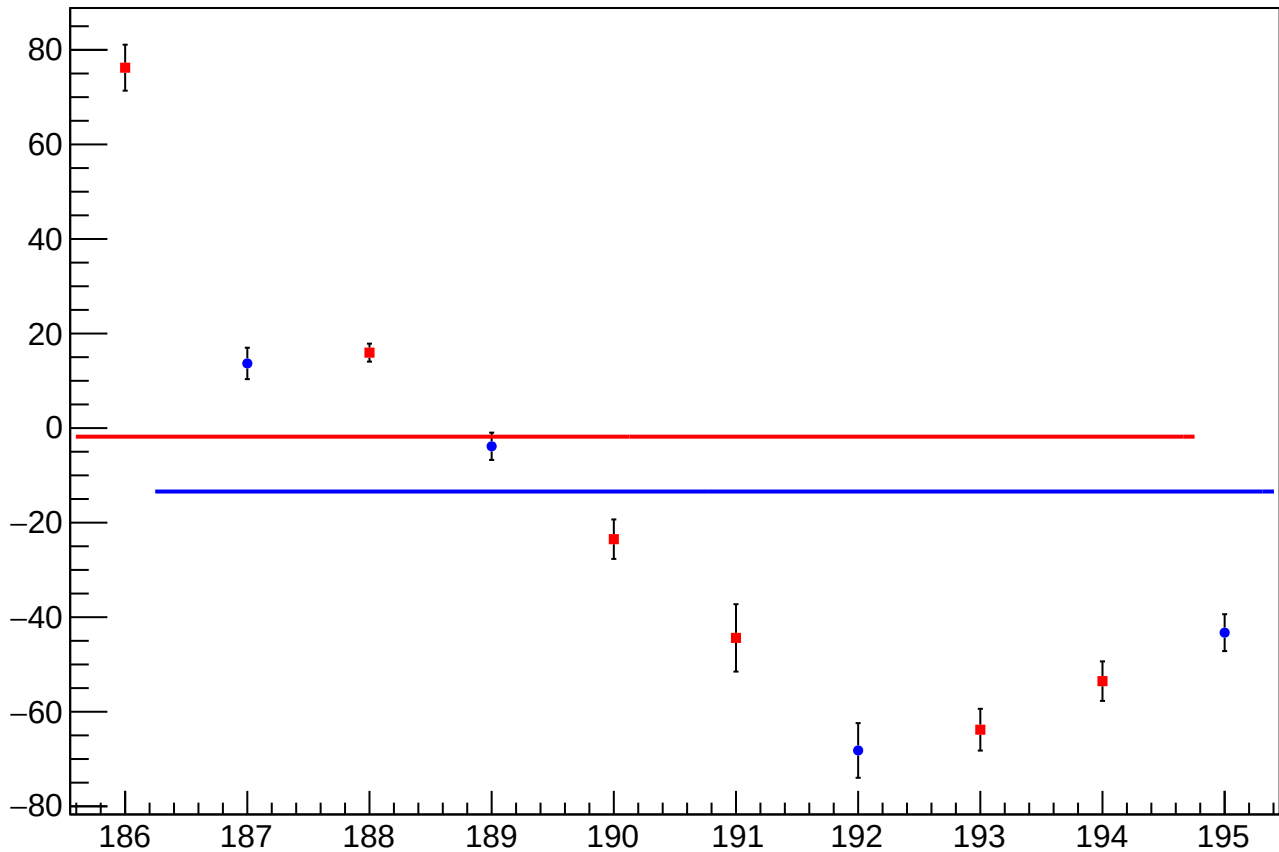
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.684 $\pm$ 0.085  $\chi^2$ /NDF: 29.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_48\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -13.417+/-1.808  $\chi^2/\text{NDF}$ : 225.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.816+/-1.408  $\chi^2/\text{NDF}$ : 757.0/5

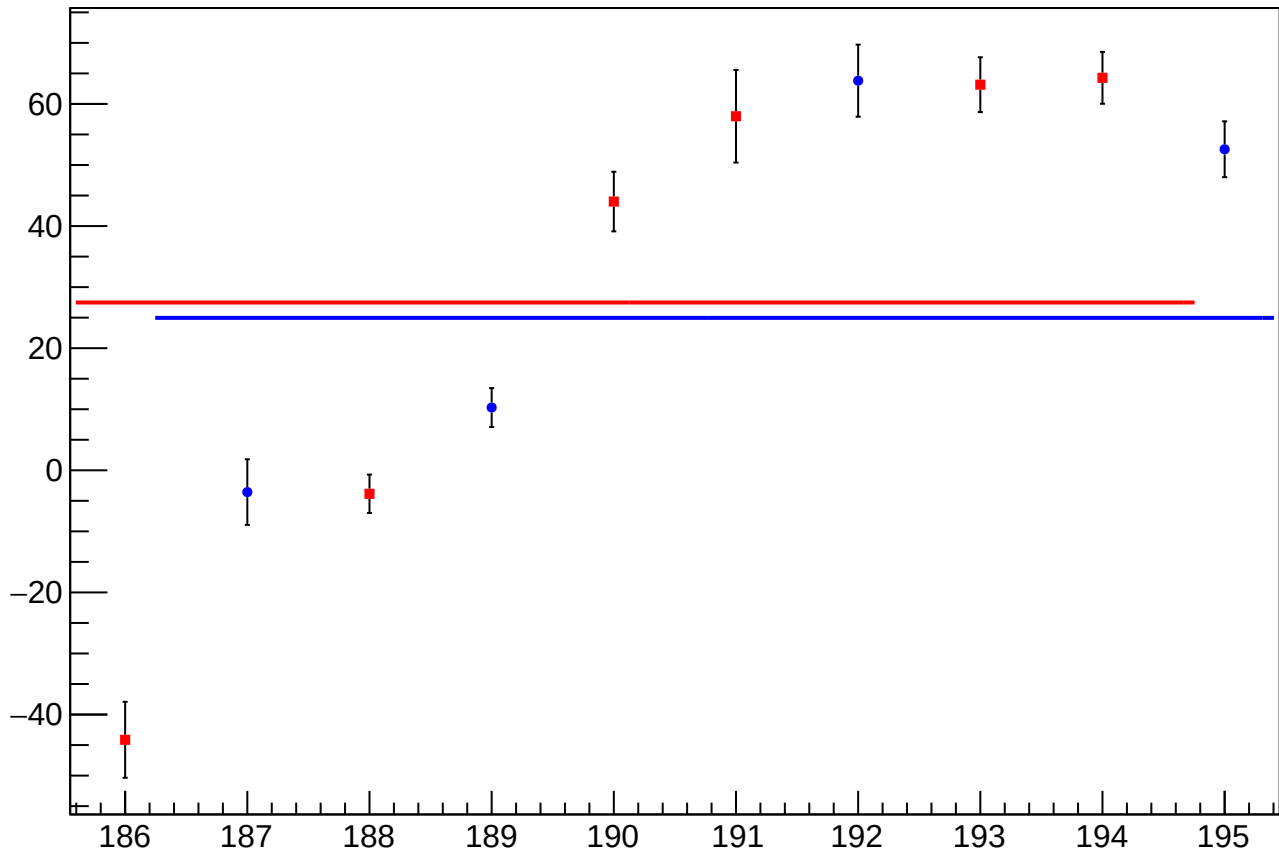
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.195+/-1.111  $\chi^2/\text{NDF}$ : 1008.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 24.964+/-2.183  $\chi^2$ /NDF: 129.2/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 27.485+/-1.852  $\chi^2$ /NDF: 397.8/5

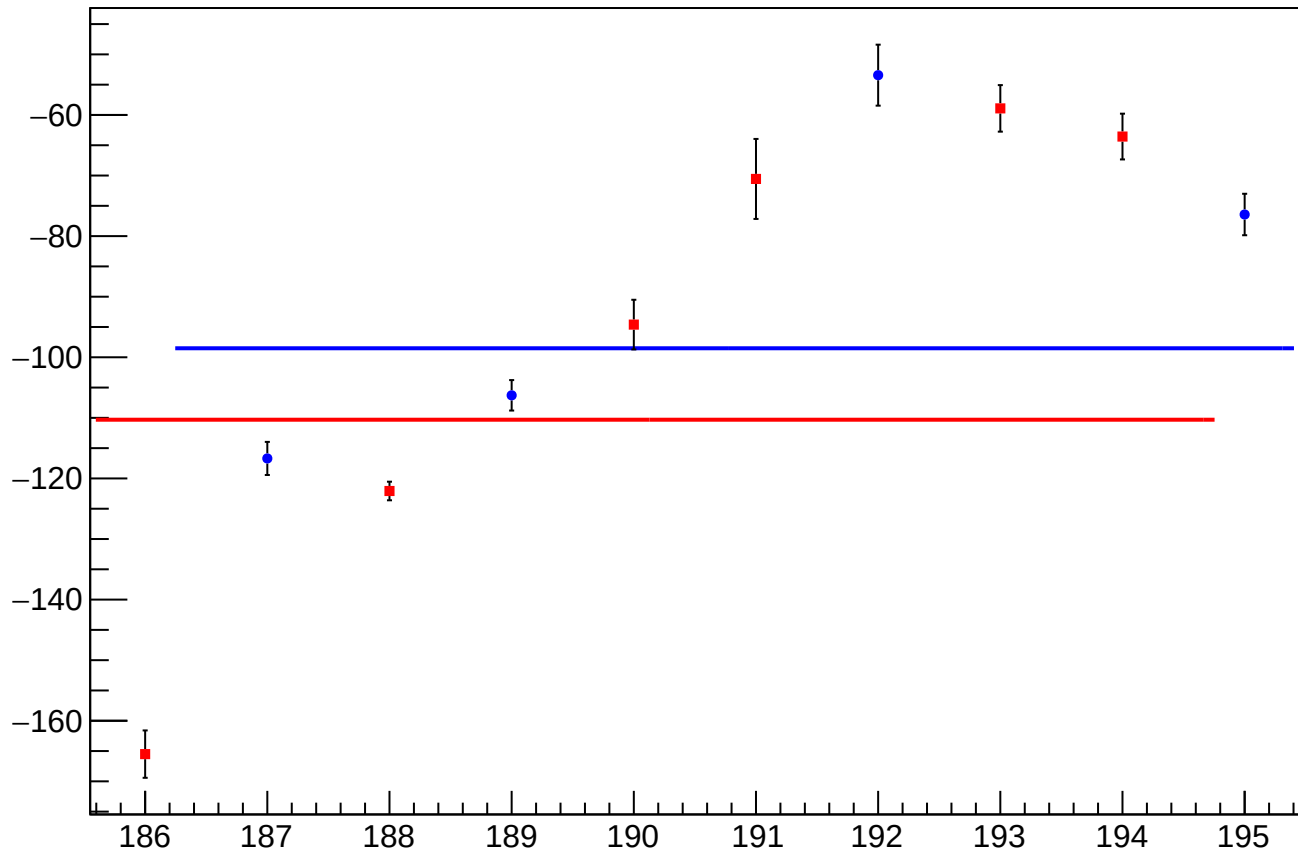
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 26.430+/-1.412  $\chi^2$ /NDF: 527.8/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -98.513+/-1.548  $\chi^2/\text{NDF}$ : 175.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -110.307+/-1.187  $\chi^2/\text{NDF}$ : 641.1/5

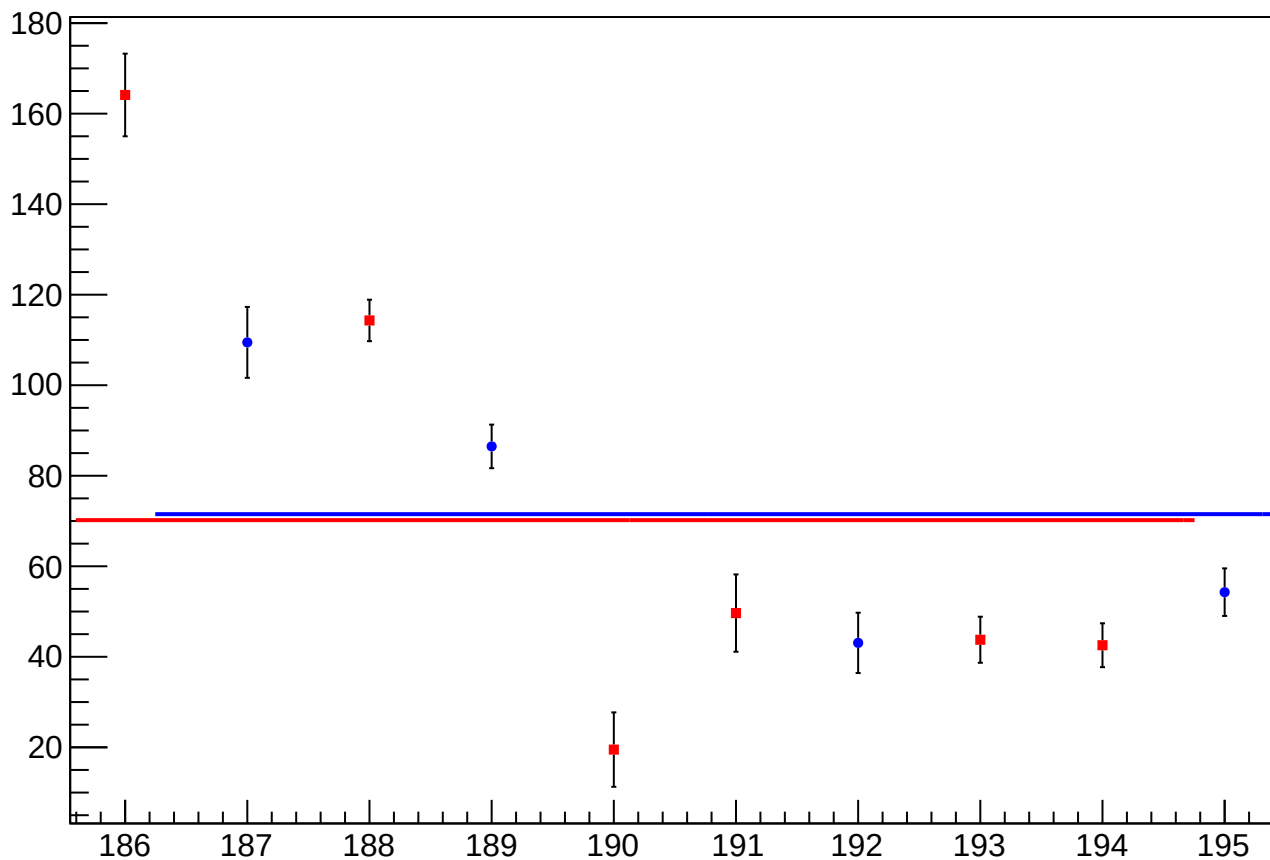
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -105.943+/-0.942  $\chi^2/\text{NDF}$ : 853.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 71.513+/-2.909  $\chi^2/\text{NDF}$ : 62.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 70.194+/-2.429  $\chi^2/\text{NDF}$ : 302.1/5

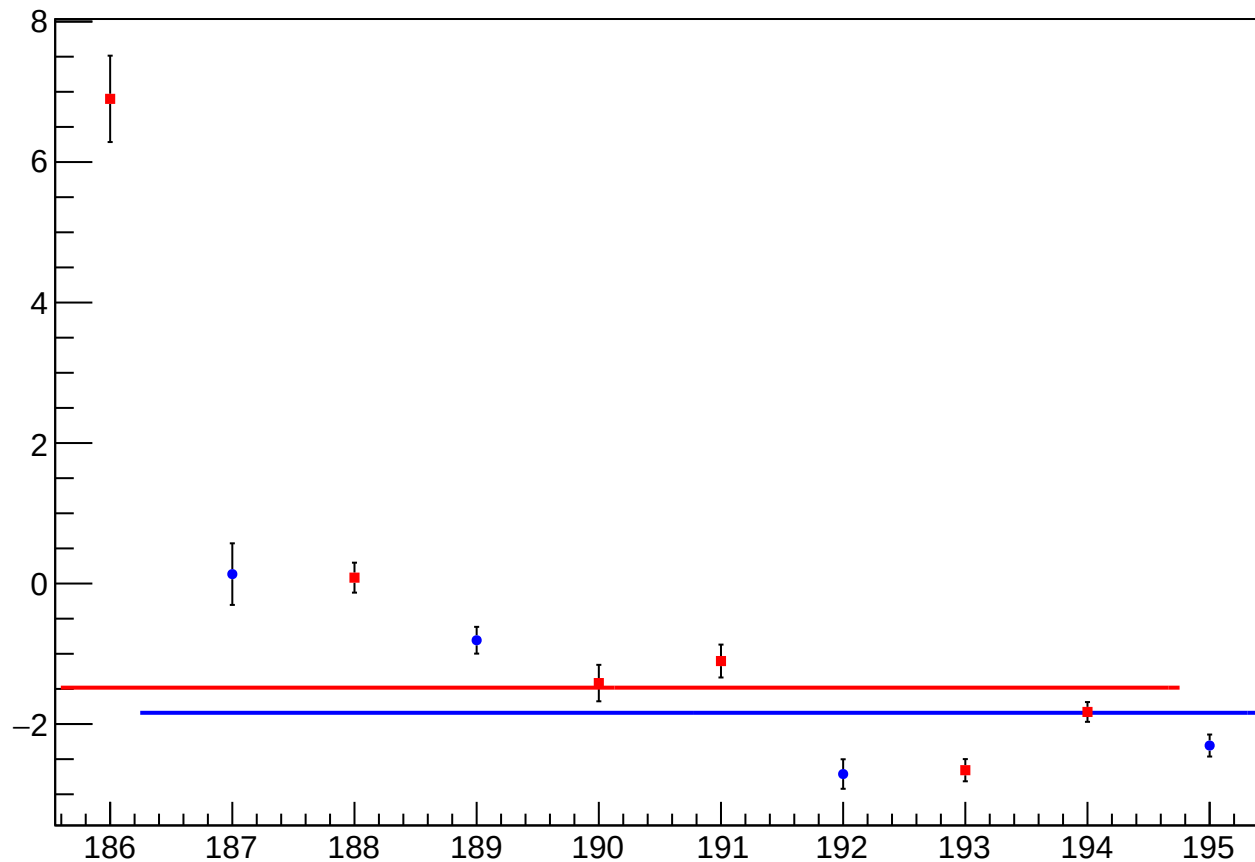
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 70.736+/-1.865  $\chi^2/\text{NDF}$ : 364.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.840 \pm 0.102$   $\chi^2/\text{NDF}$ : 75.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.482 \pm 0.082$   $\chi^2/\text{NDF}$ : 303.8/5

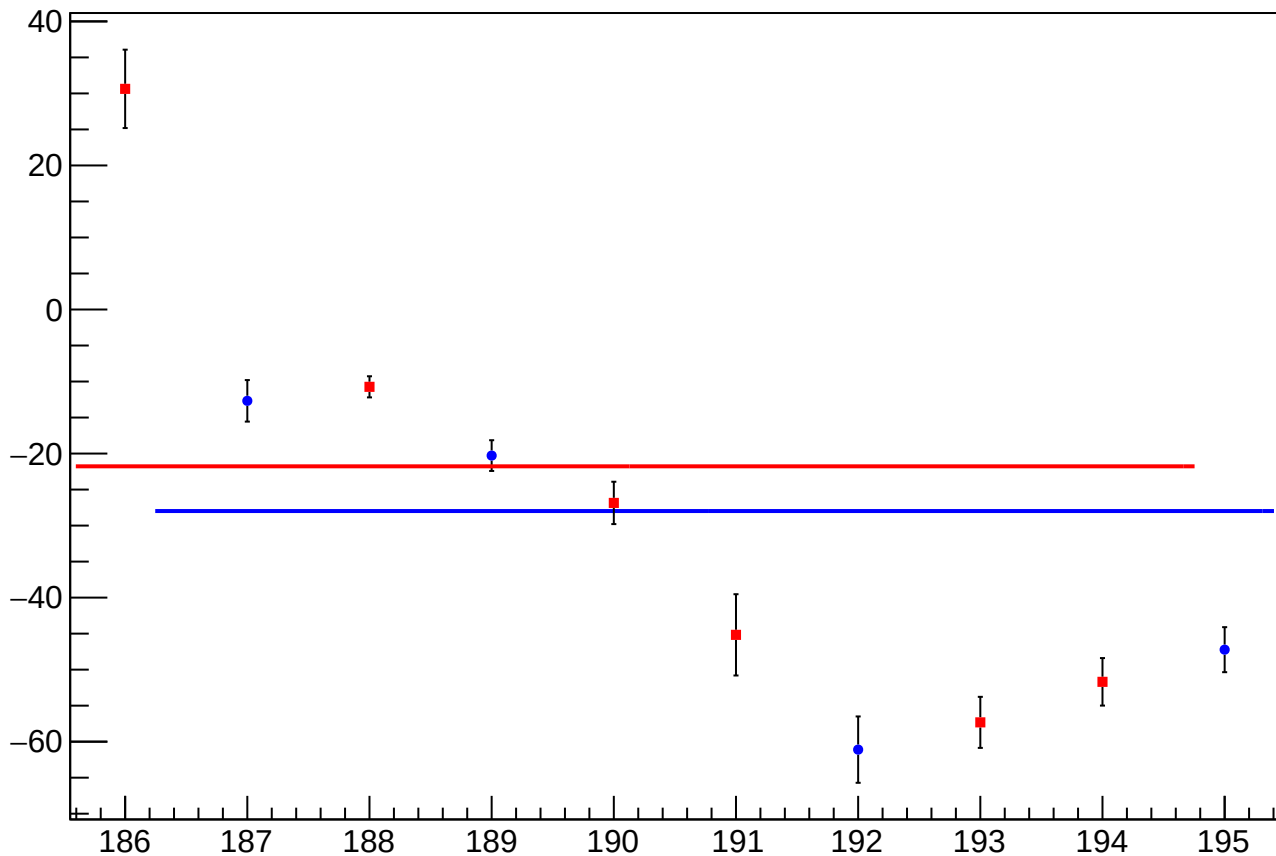
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.623 \pm 0.064$   $\chi^2/\text{NDF}$ : 387.0/9

- 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:  $-27.981 \pm 1.429$   $\chi^2/\text{NDF}$ : 130.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-21.773 \pm 1.106$   $\chi^2/\text{NDF}$ : 352.5/5

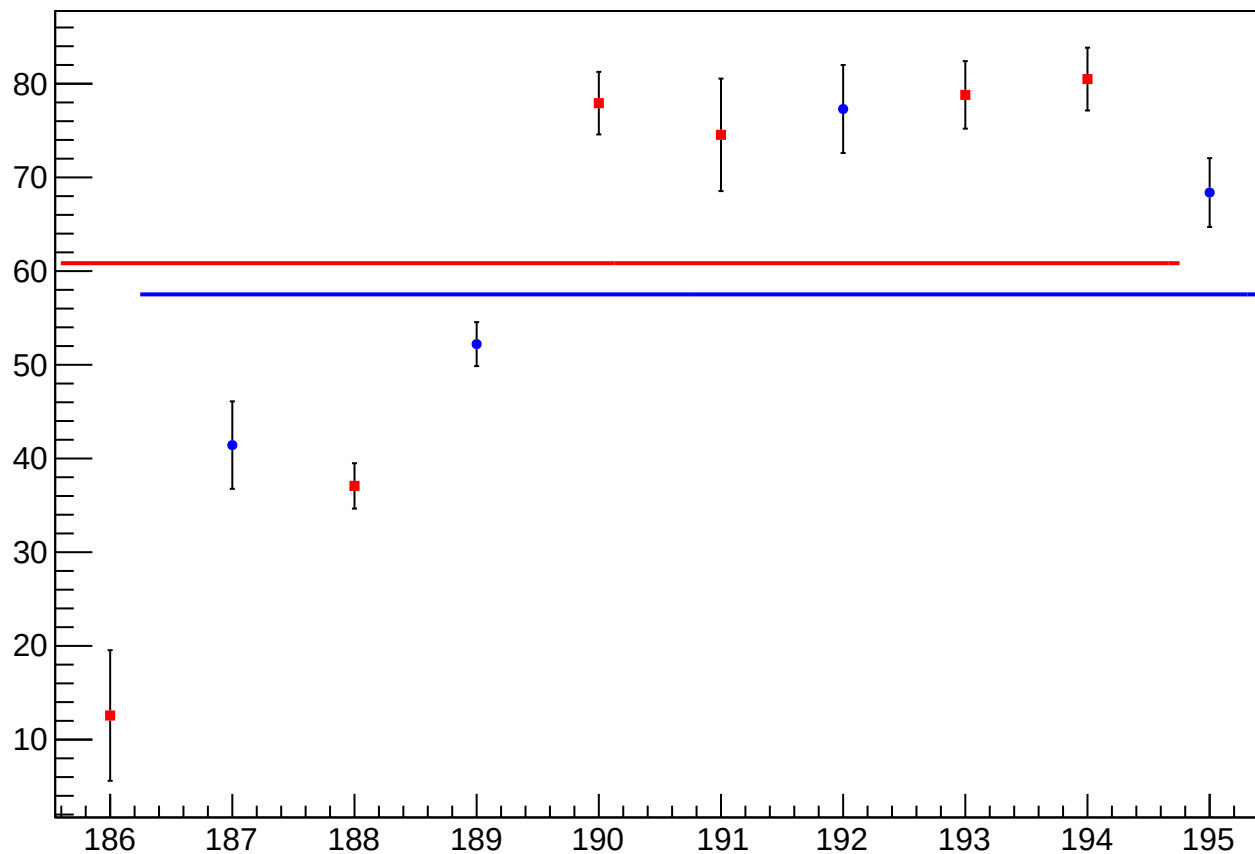
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-24.098 \pm 0.875$   $\chi^2/\text{NDF}$ : 495.1/9

- 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: 57.515 $\pm$ 1.698  $\chi^2$ /NDF: 43.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 60.844 $\pm$ 1.452  $\chi^2$ /NDF: 234.8/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

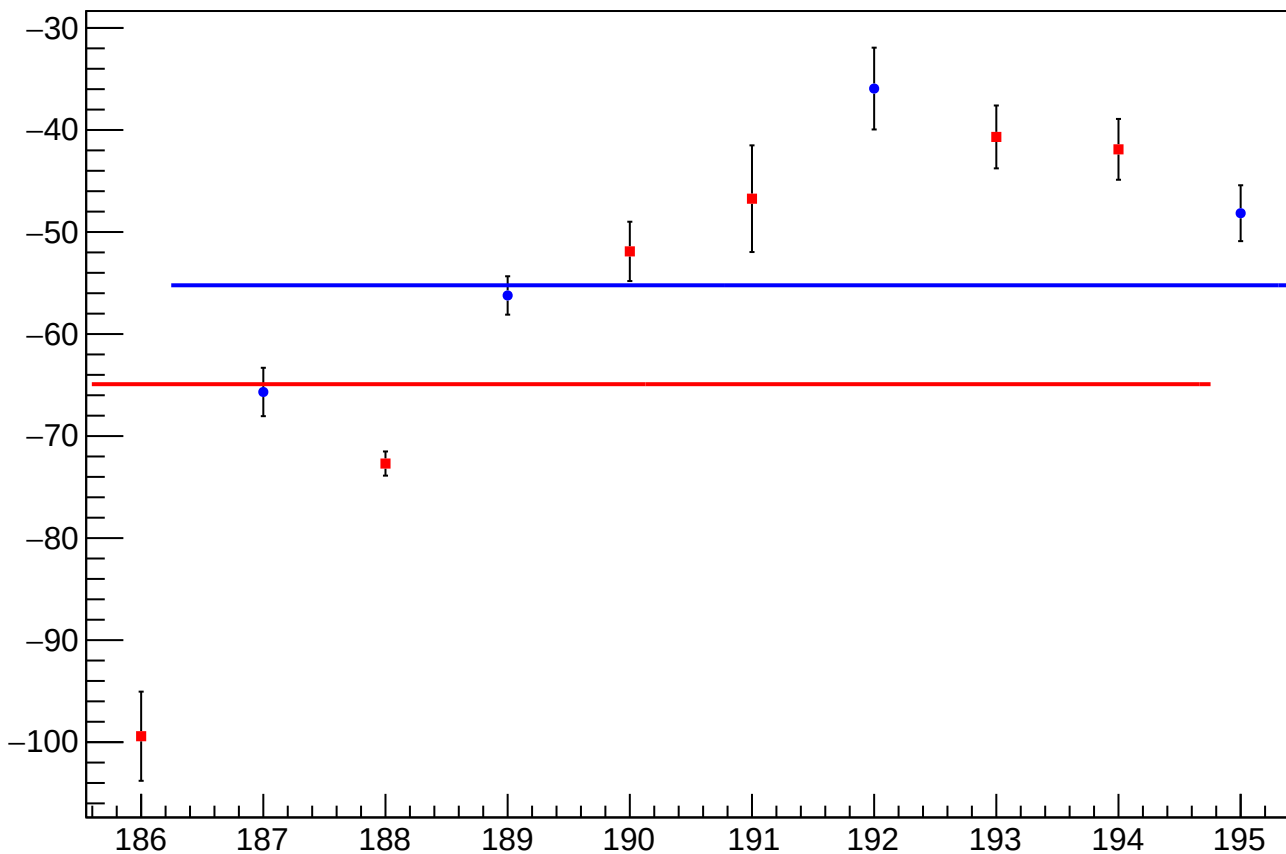
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 59.438 $\pm$ 1.103  $\chi^2$ /NDF: 280.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: -55.221+/-1.235  $\chi^2/\text{NDF}$ : 49.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -64.915+/-0.937  $\chi^2/\text{NDF}$ : 259.1/5

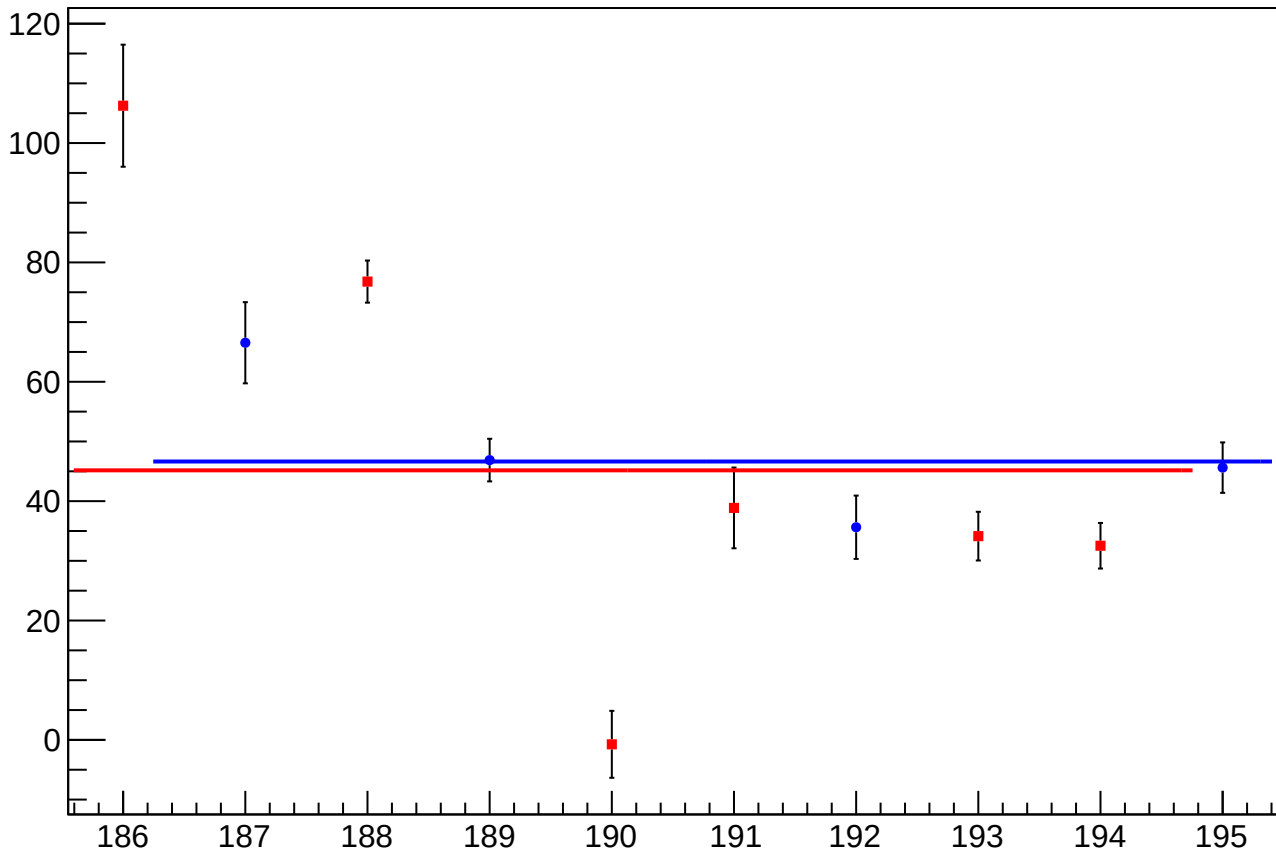
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -61.370+/-0.747  $\chi^2/\text{NDF}$ : 347.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 46.643+/-2.284  $\chi^2$ /NDF: 12.9/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 45.163+/-1.917  $\chi^2$ /NDF: 202.1/5

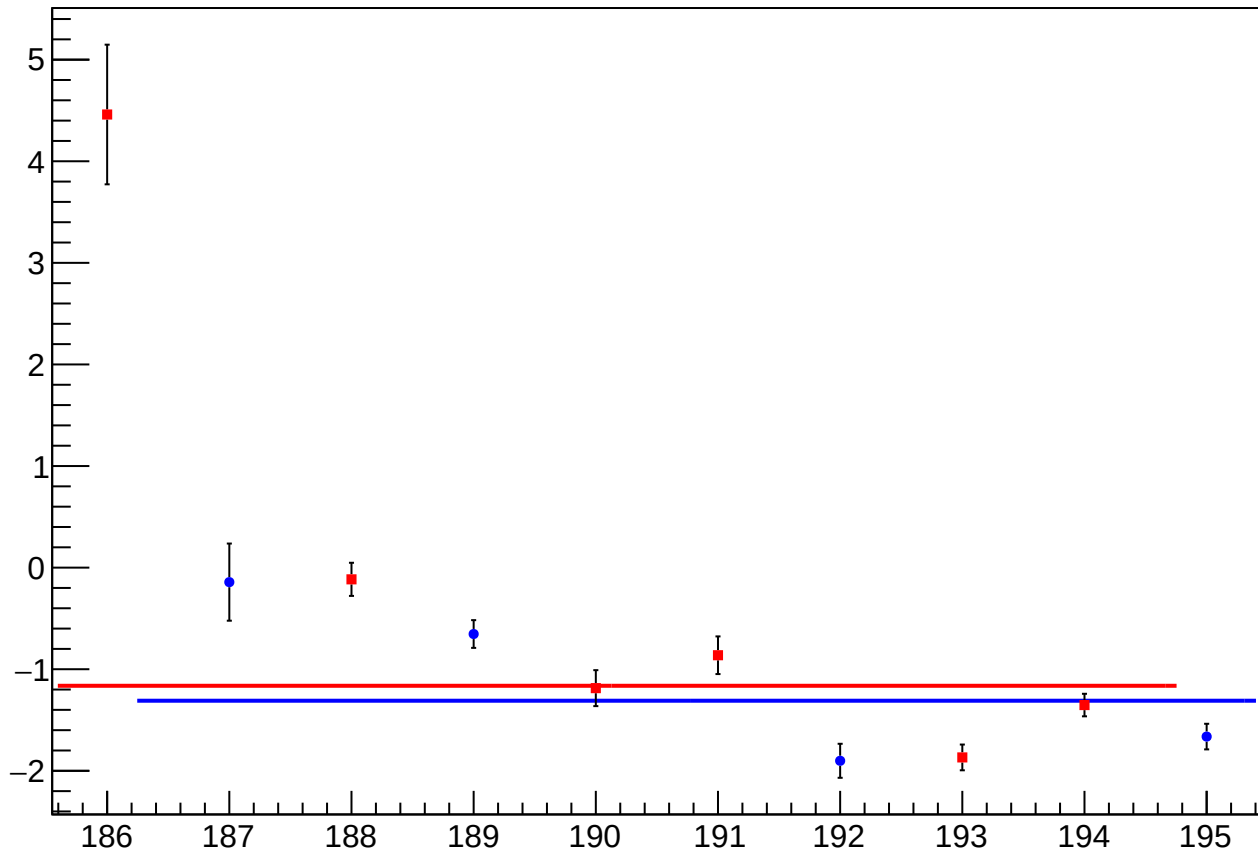
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 45.775+/-1.468  $\chi^2$ /NDF: 215.3/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.310 \pm 0.079$   $\chi^2/\text{NDF}$ : 52.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.163 \pm 0.064$   $\chi^2/\text{NDF}$ : 144.7/5

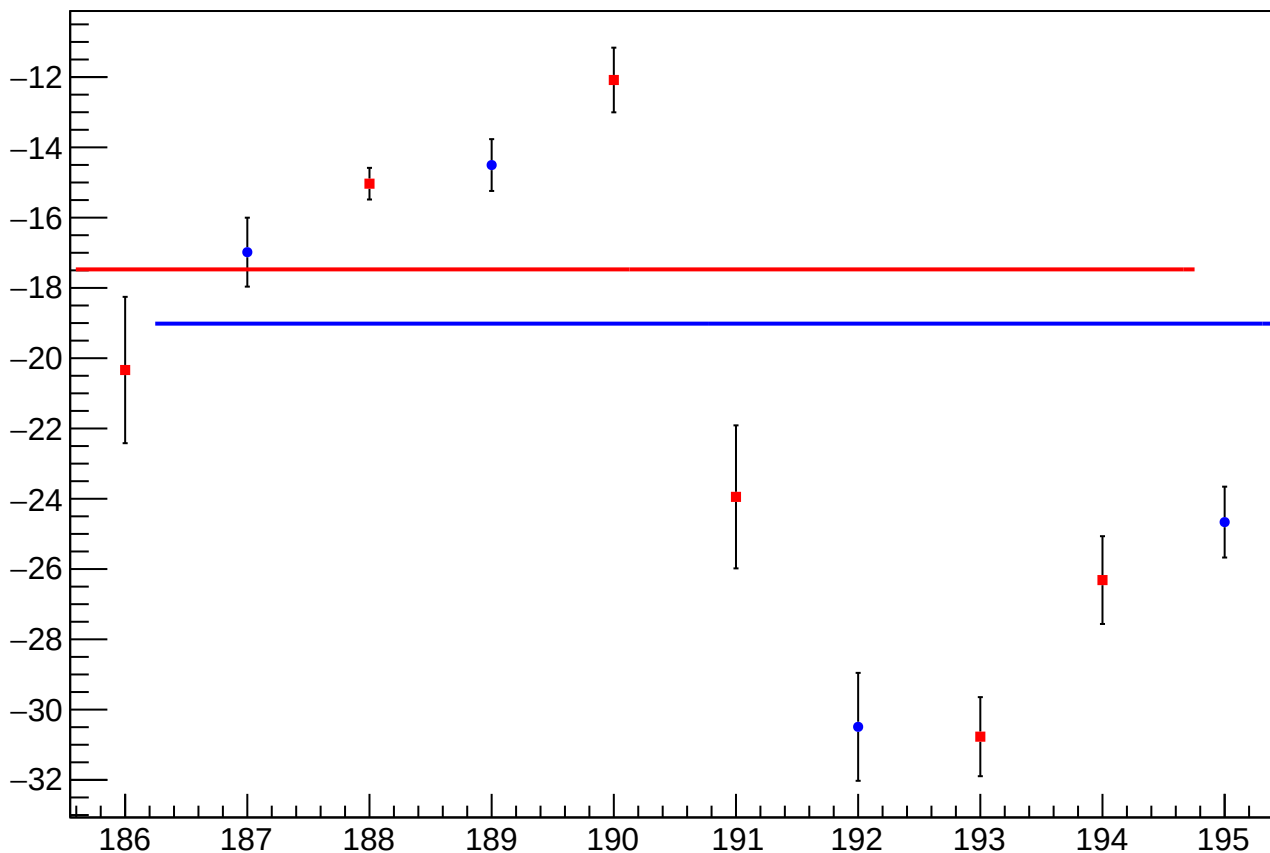
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.221 \pm 0.050$   $\chi^2/\text{NDF}$ : 199.7/9

- 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:  $-19.016 \pm 0.483$   $\chi^2/\text{NDF}$ : 129.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-17.473 \pm 0.353$   $\chi^2/\text{NDF}$ : 265.5/5

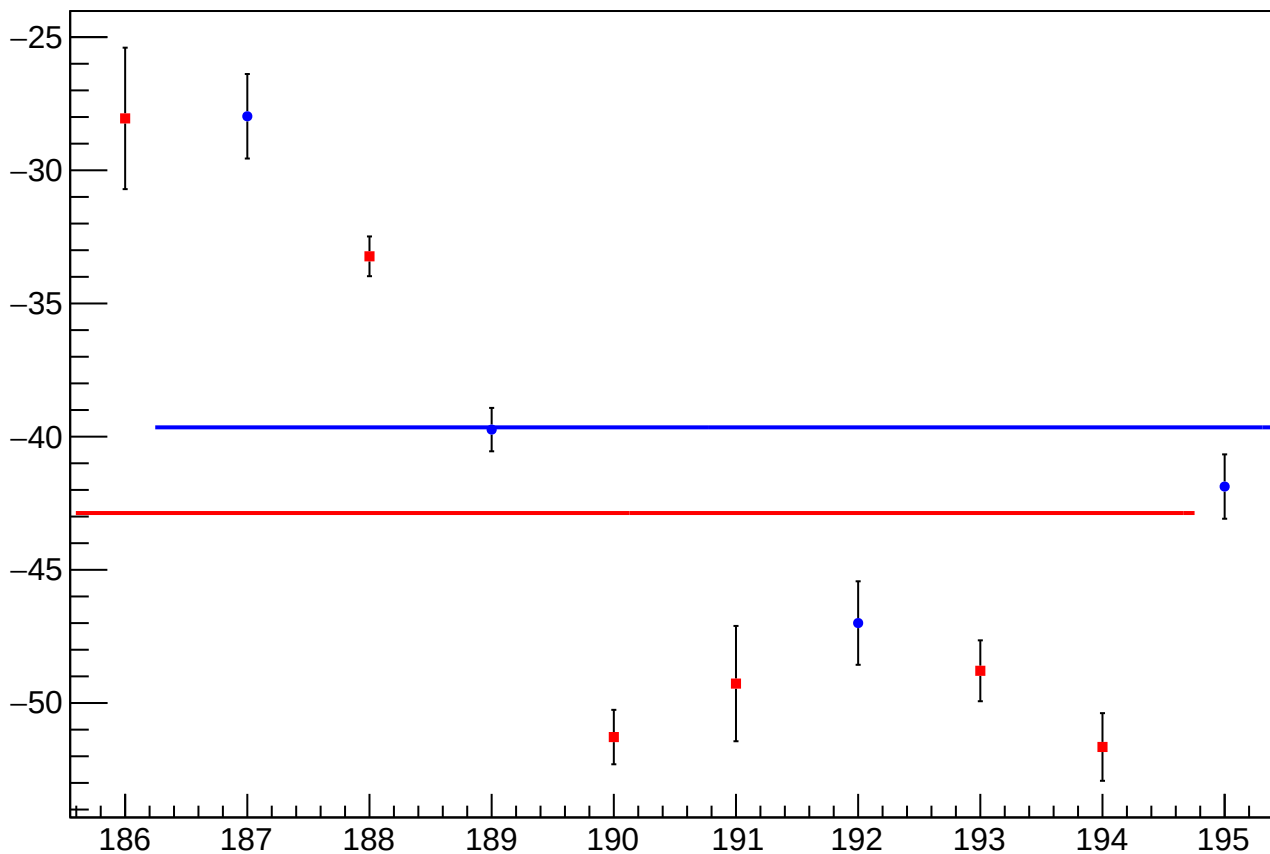
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-18.011 \pm 0.285$   $\chi^2/\text{NDF}$ : 401.1/9

- 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:  $-39.651 \pm 0.578$   $\chi^2/\text{NDF}$ : 79.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-42.867 \pm 0.472$   $\chi^2/\text{NDF}$ : 349.1/5

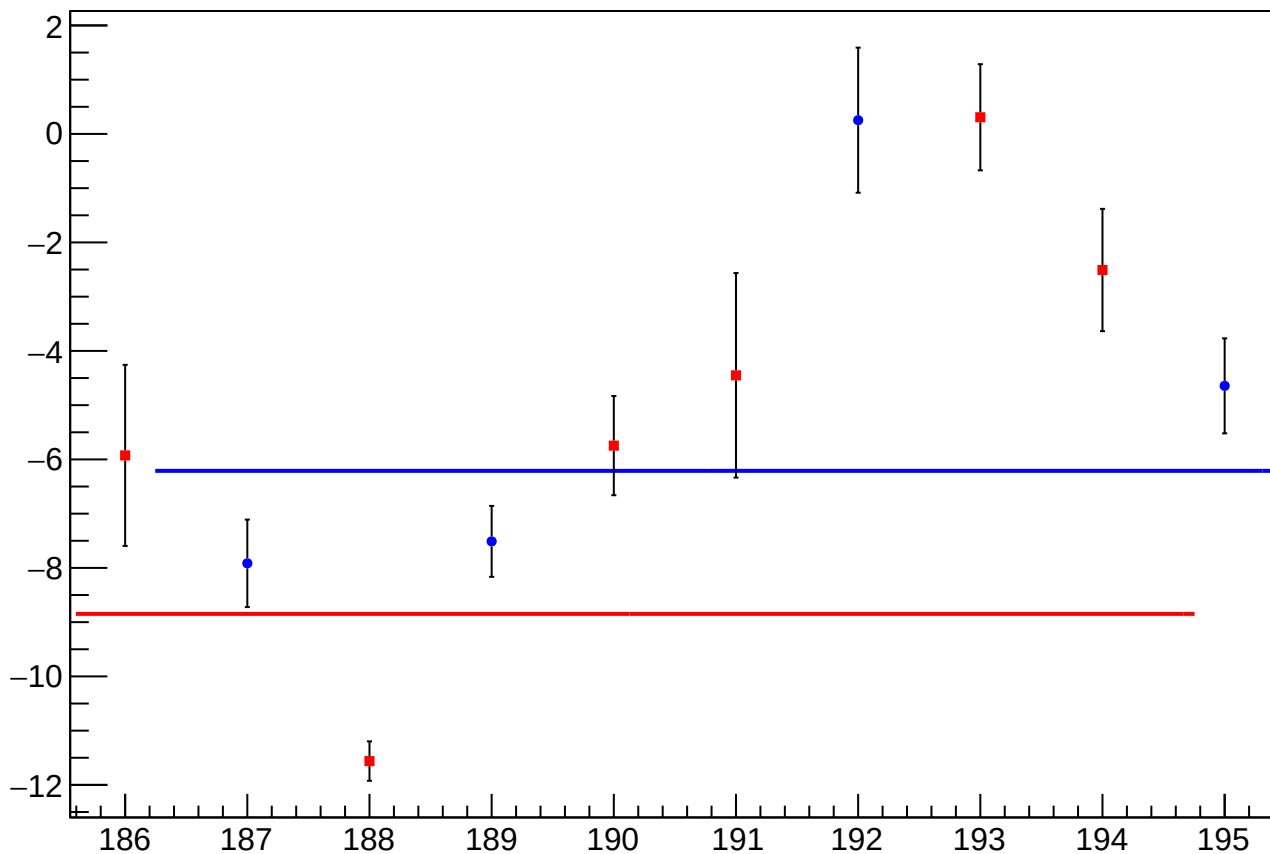
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-41.581 \pm 0.365$   $\chi^2/\text{NDF}$ : 447.2/9

- 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: -6.211 $\pm$ 0.417  $\chi^2$ /NDF: 35.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -8.847 $\pm$ 0.298  $\chi^2$ /NDF: 194.9/5

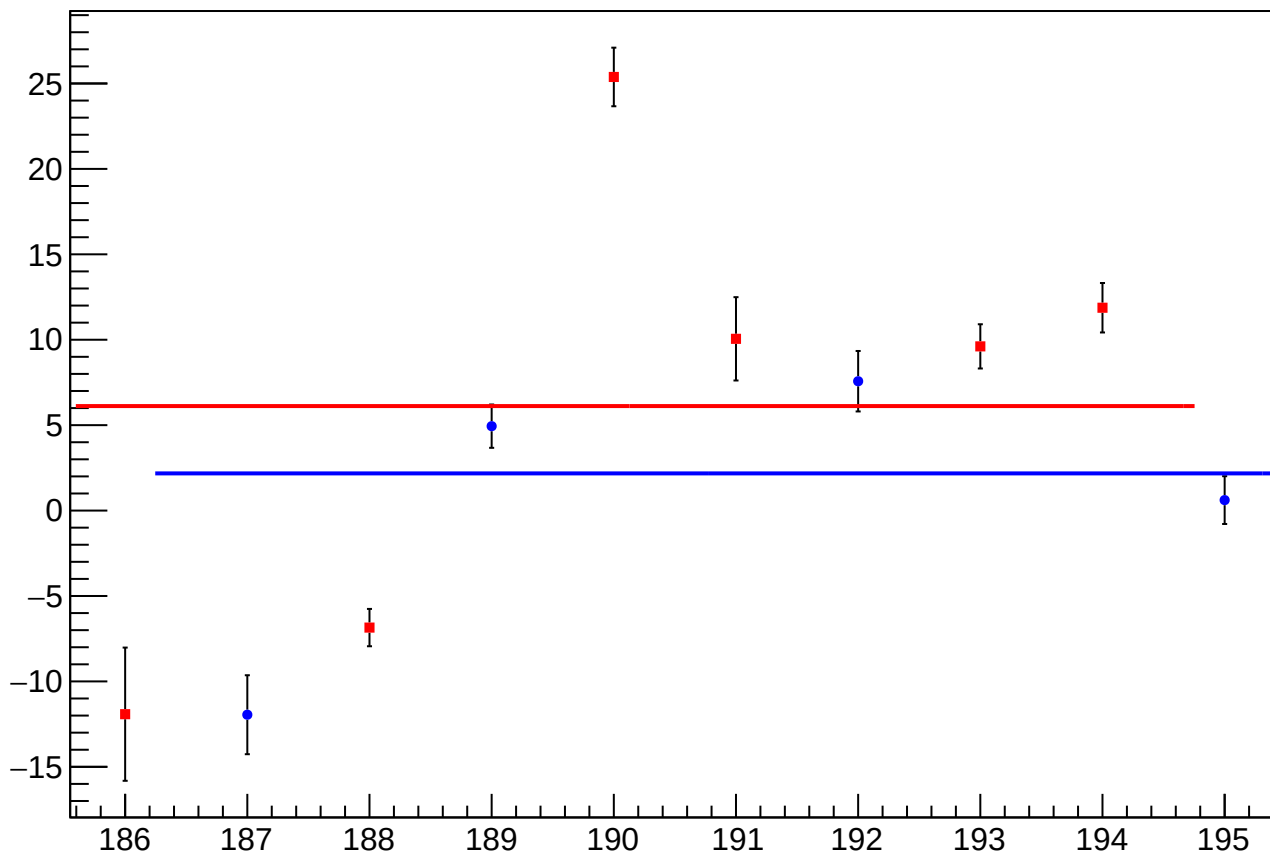
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.956 $\pm$ 0.243  $\chi^2$ /NDF: 256.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 2.176 $\pm$ 0.781  $\chi^2$ /NDF: 52.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.117 $\pm$ 0.634  $\chi^2$ /NDF: 314.1/5

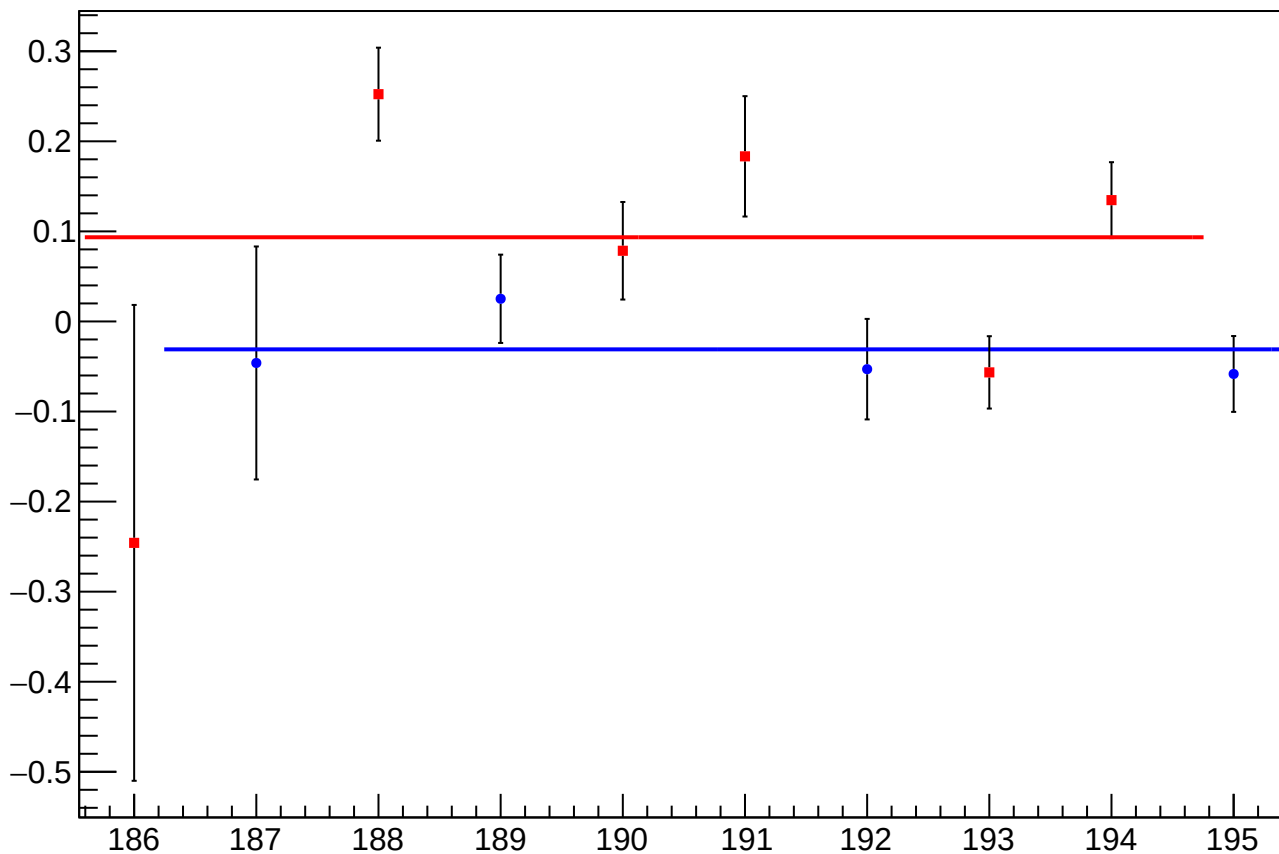
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.550 $\pm$ 0.492  $\chi^2$ /NDF: 382.1/9

- 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:  $-0.031 \pm 0.027$   $\chi^2/\text{NDF}$ : 1.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.093 \pm 0.022$   $\chi^2/\text{NDF}$ : 27.9/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

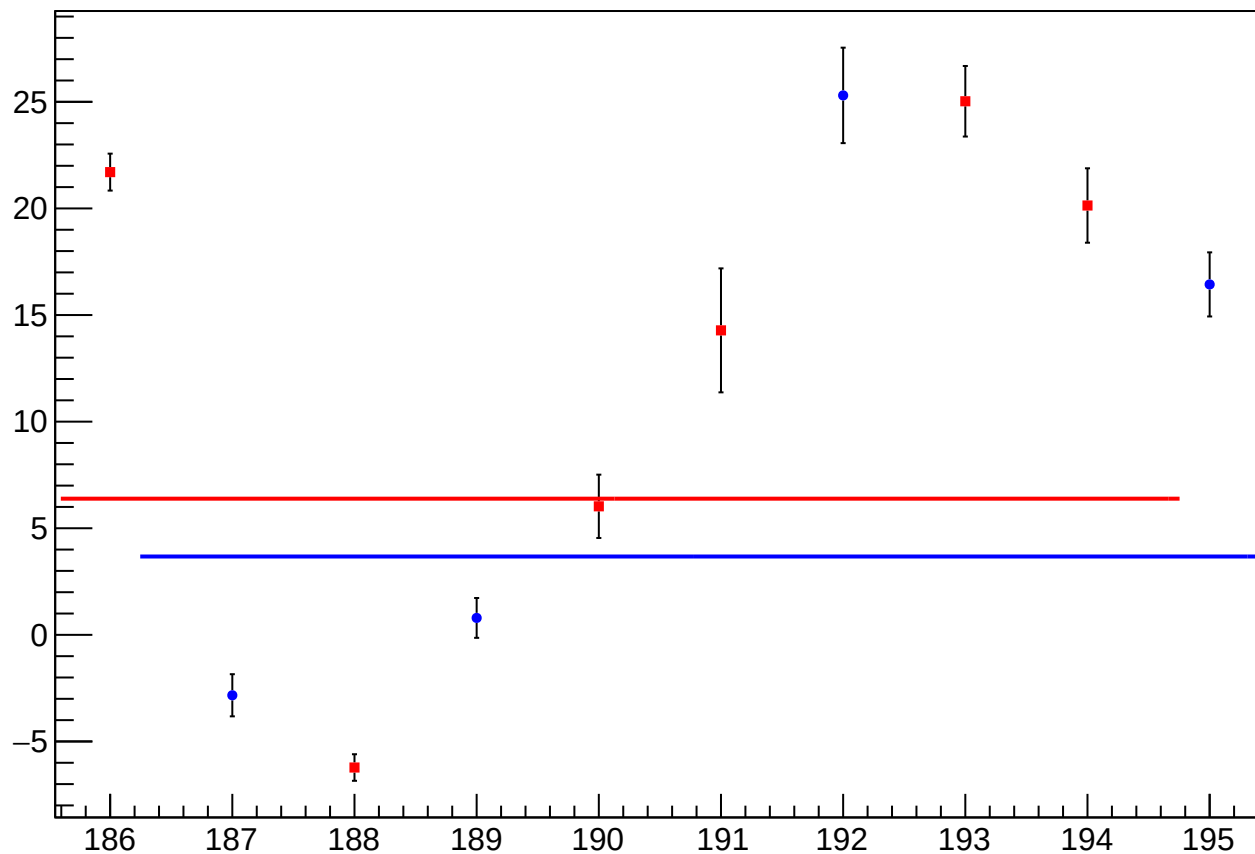
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.045 \pm 0.017$   $\chi^2/\text{NDF}$ : 42.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_sam\_15\_37\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 3.675 $\pm$ 0.596  $\chi^2$ /NDF: 218.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.387 $\pm$ 0.440  $\chi^2$ /NDF: 918.5/5

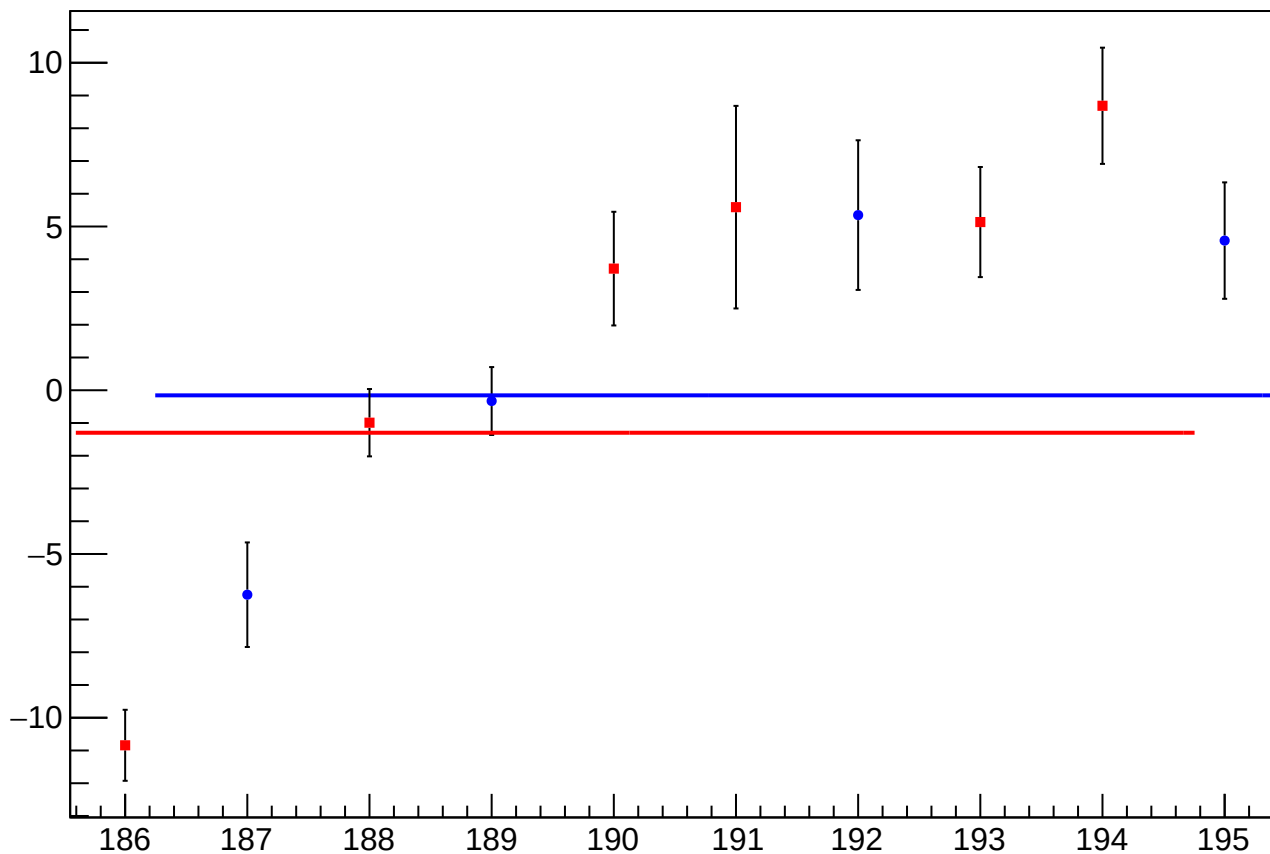
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.432 $\pm$ 0.354  $\chi^2$ /NDF: 1150.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -0.156 $\pm$ 0.739  $\chi^2$ /NDF: 27.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1.298 $\pm$ 0.587  $\chi^2$ /NDF: 137.2/5

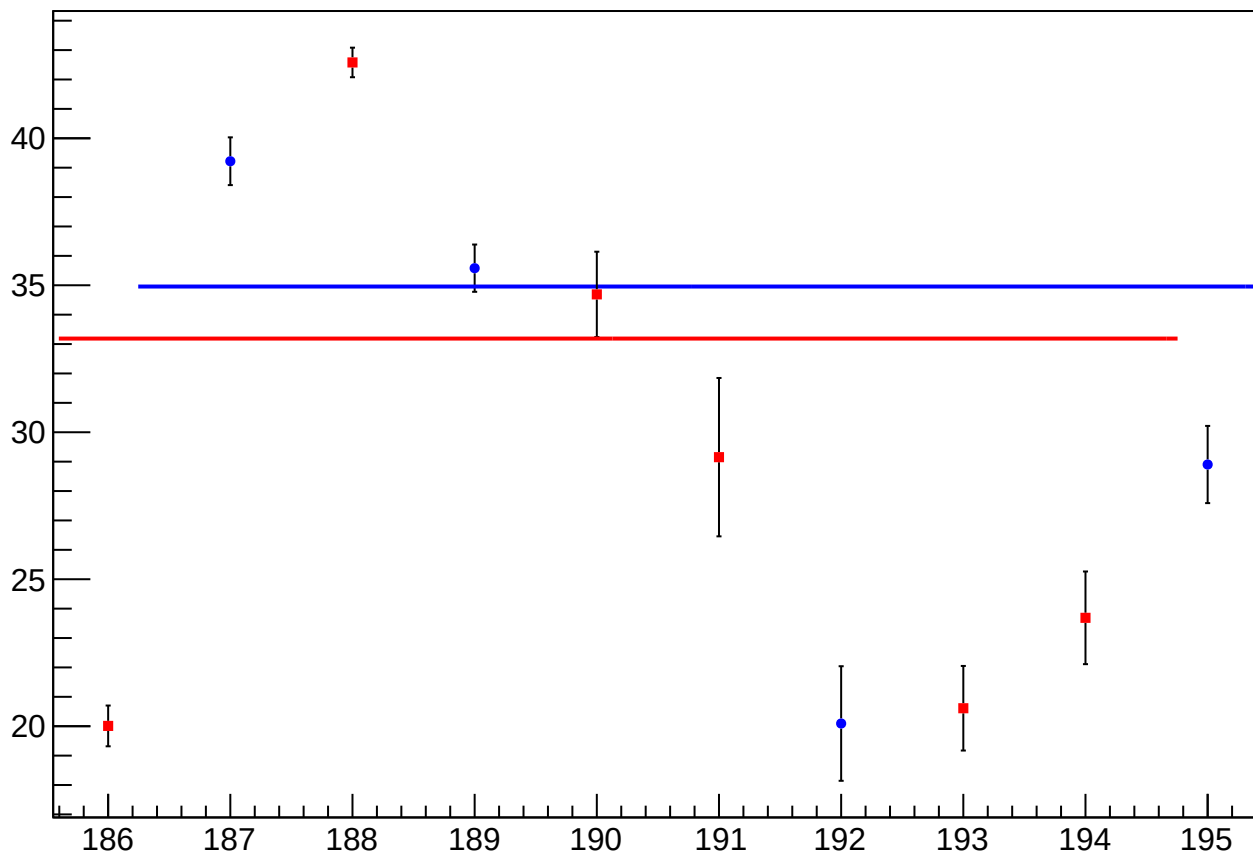
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.856 $\pm$ 0.459  $\chi^2$ /NDF: 166.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 34.957 $\pm$ 0.506  $\chi^2$ /NDF: 107.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 33.187 $\pm$ 0.364  $\chi^2$ /NDF: 825.9/5

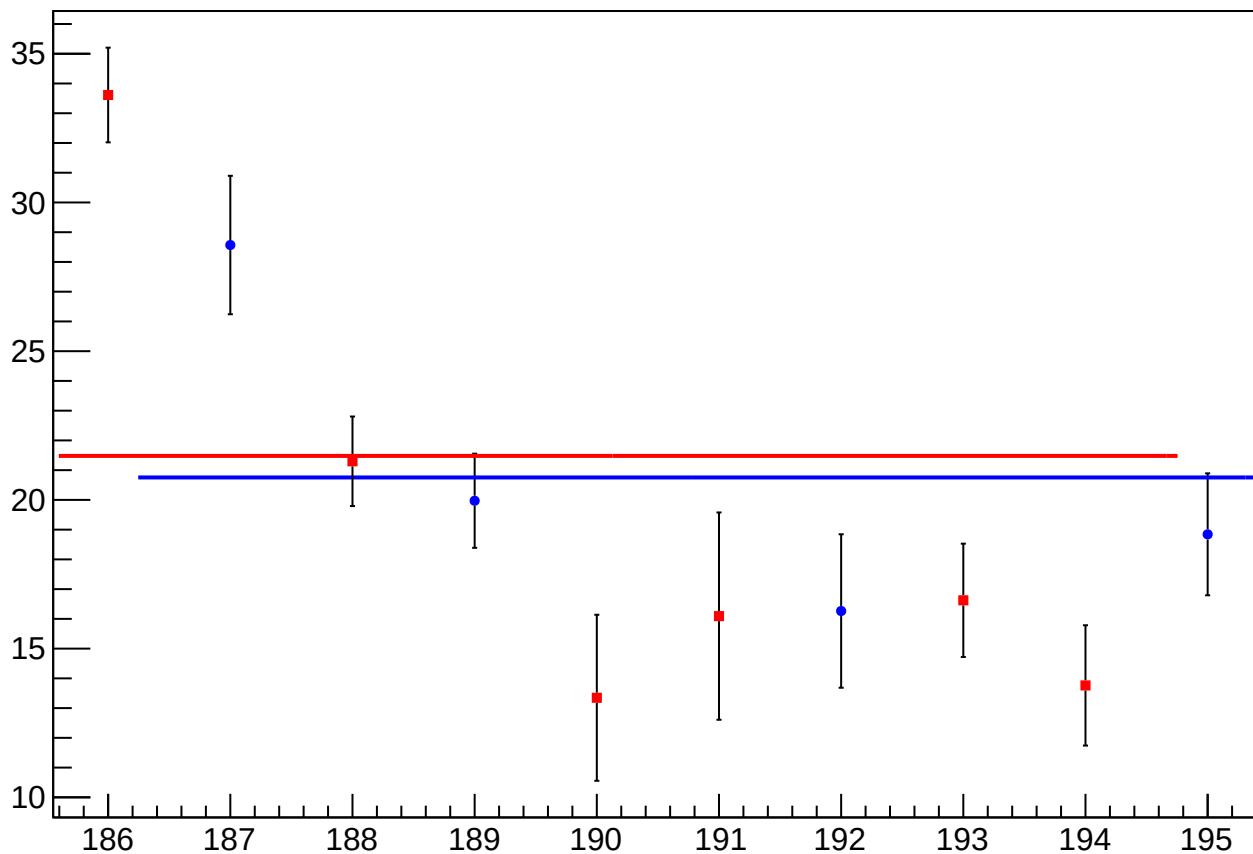
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 33.791 $\pm$ 0.296  $\chi^2$ /NDF: 941.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 20.755+/-1.014  $\chi^2/\text{NDF}$ : 15.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 21.479+/-0.799  $\chi^2/\text{NDF}$ : 90.1/5

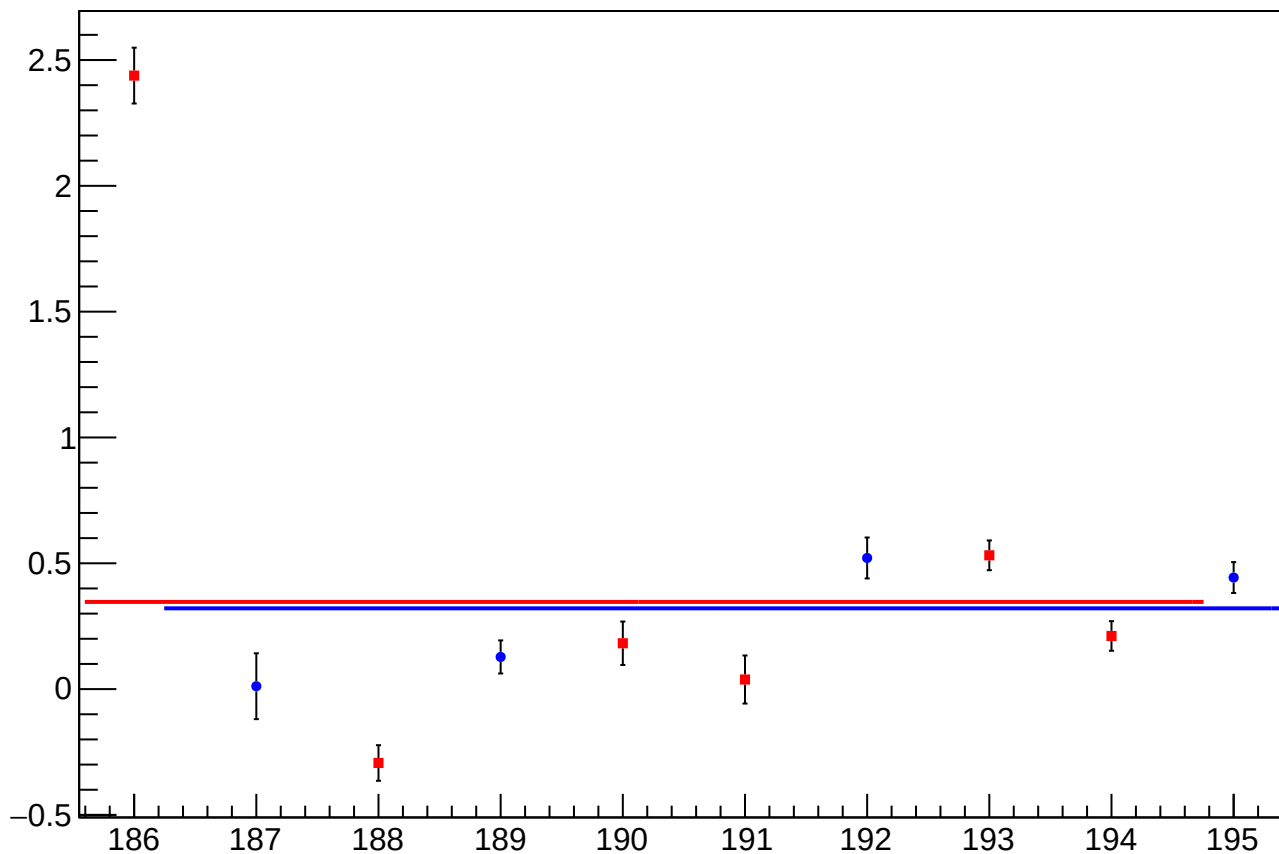
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 21.202+/-0.628  $\chi^2/\text{NDF}$ : 105.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.321 $\pm$ 0.038  $\chi^2$ /NDF: 24.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.347 $\pm$ 0.030  $\chi^2$ /NDF: 466.4/5

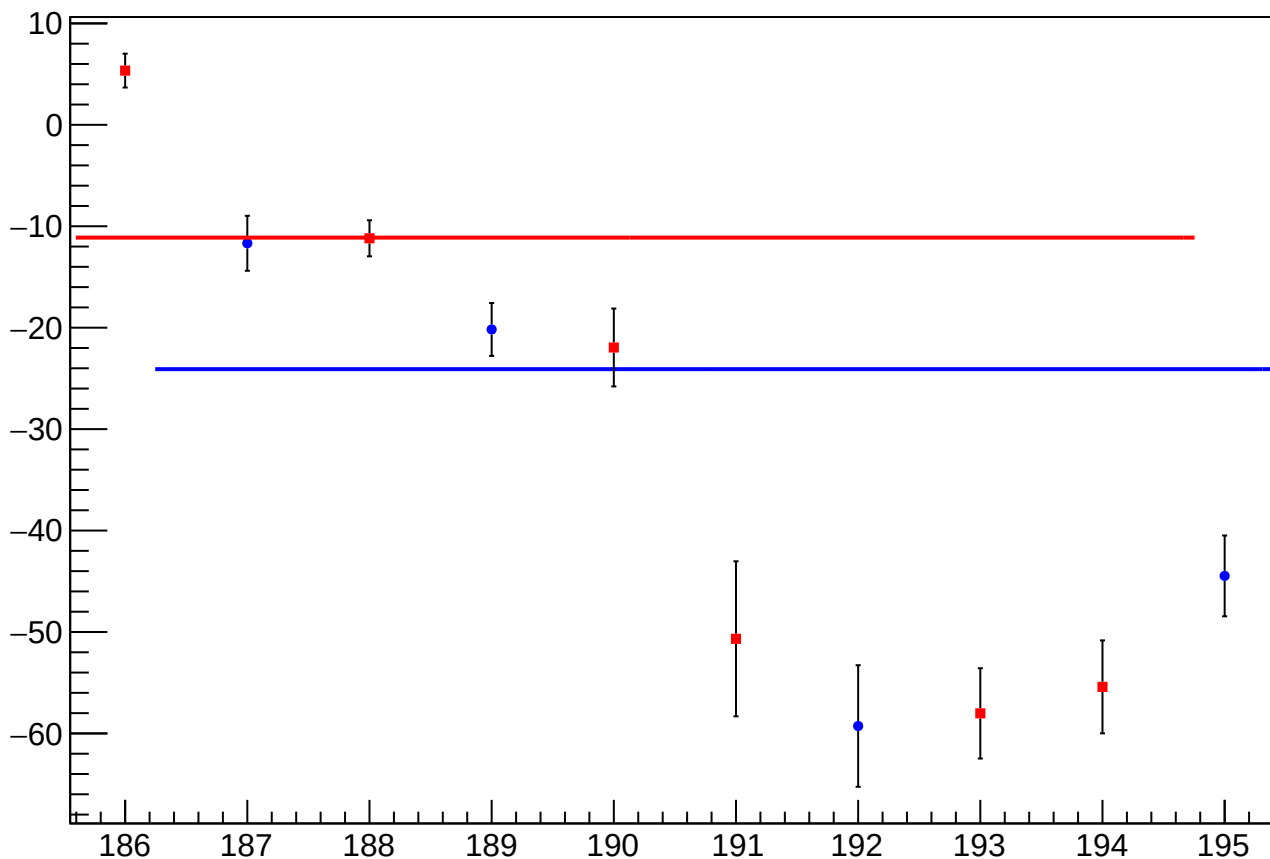
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.337 $\pm$ 0.024  $\chi^2$ /NDF: 490.9/9

- 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:  $-24.088 \pm 1.635$   $\chi^2/\text{NDF}: 83.9/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-11.119 \pm 1.079$   $\chi^2/\text{NDF}: 336.5/5$

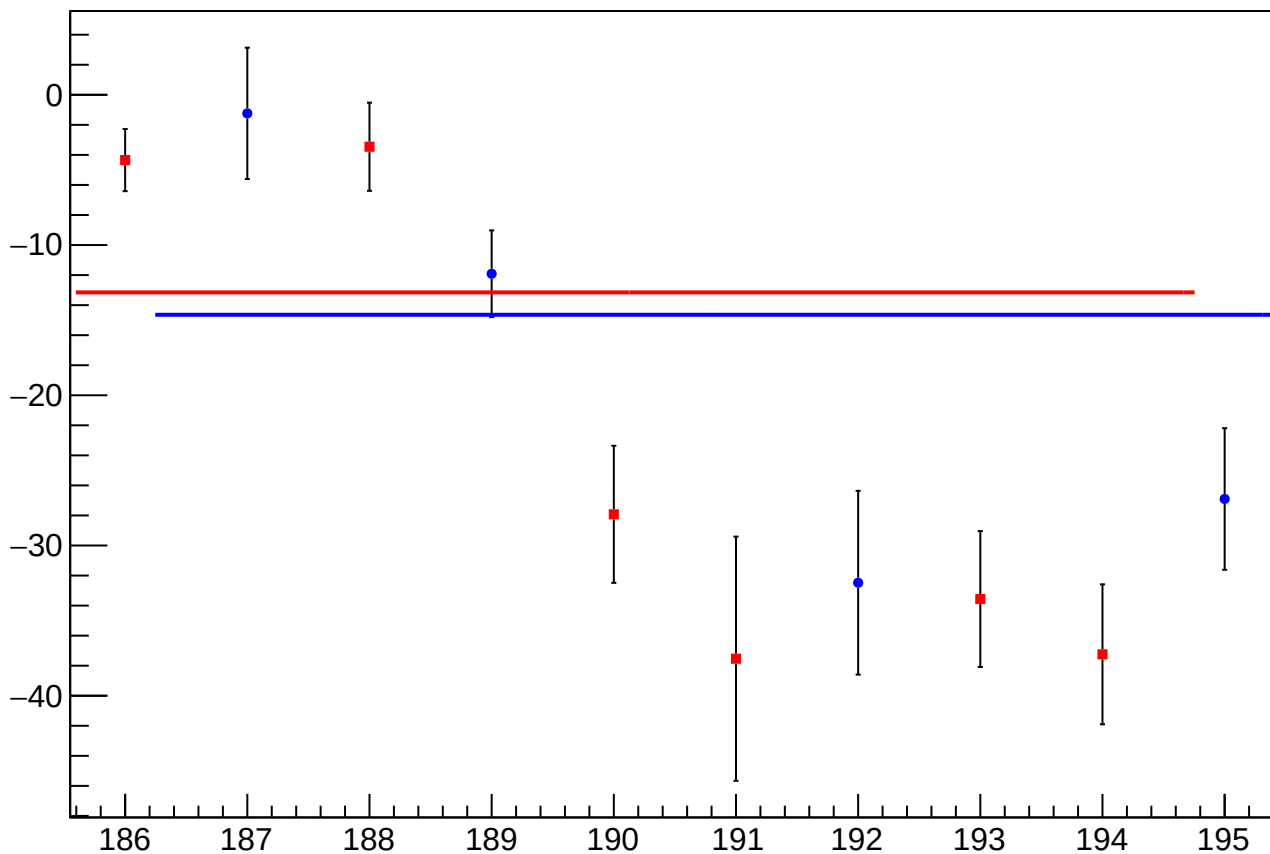
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-15.053 \pm 0.901$   $\chi^2/\text{NDF}: 464.2/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -14.642 $\pm$ 2.025  $\chi^2$ /NDF: 25.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -13.151 $\pm$ 1.403  $\chi^2$ /NDF: 95.6/5

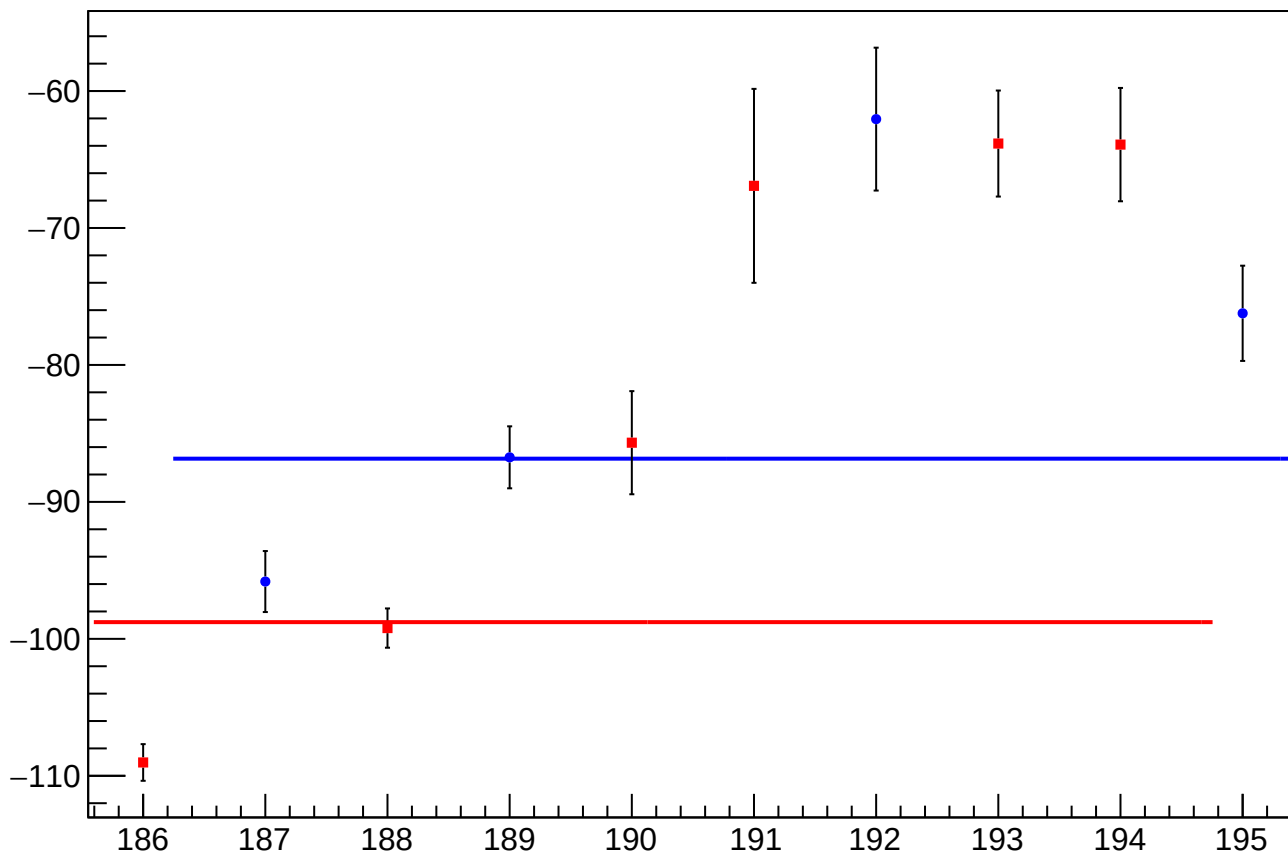
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -13.635 $\pm$ 1.153  $\chi^2$ /NDF: 121.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: -86.844 $\pm$ 1.392  $\chi^2$ /NDF: 48.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -98.779 $\pm$ 0.891  $\chi^2$ /NDF: 243.5/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

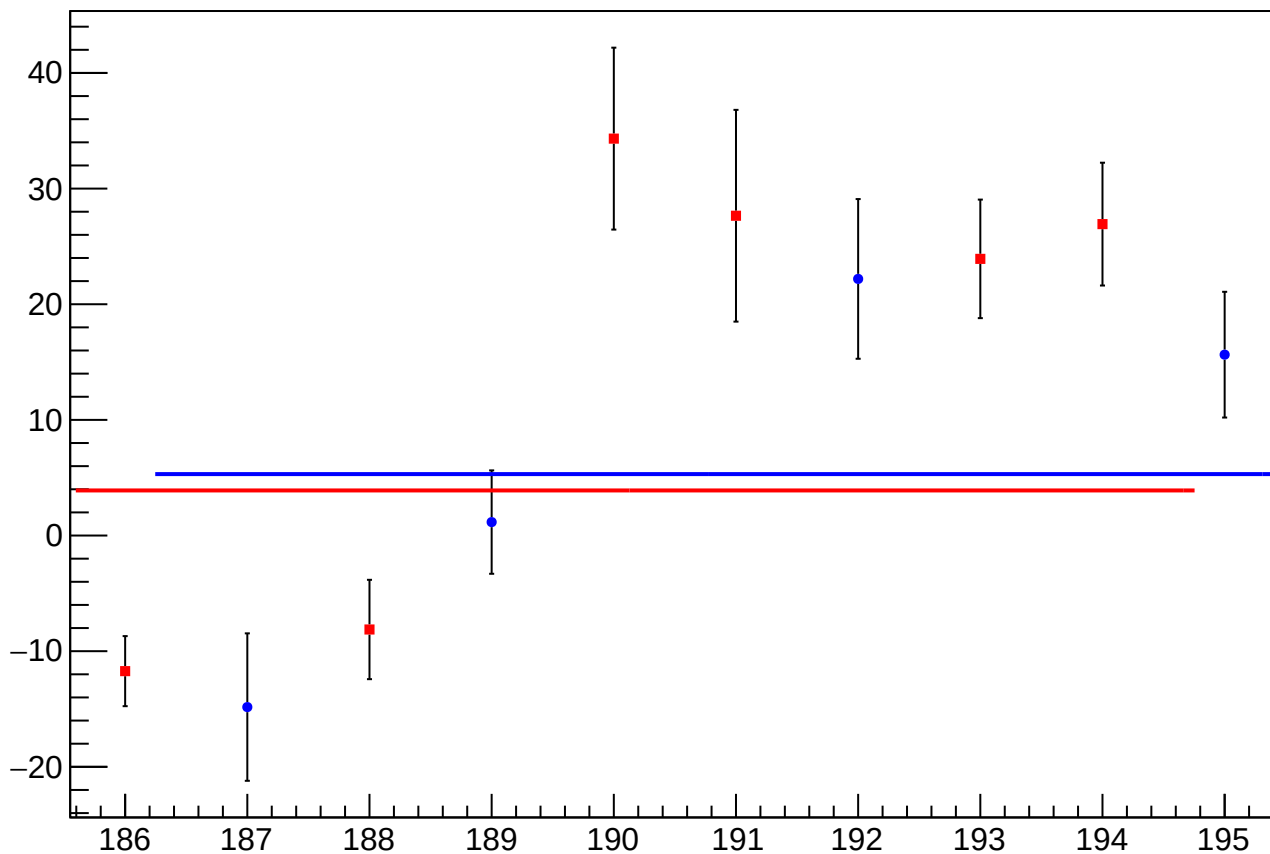
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -95.310 $\pm$ 0.750  $\chi^2$ /NDF: 343.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 5.313+/-2.779  $\chi^2/\text{NDF}$ : 20.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.899+/-1.943  $\chi^2/\text{NDF}$ : 90.2/5

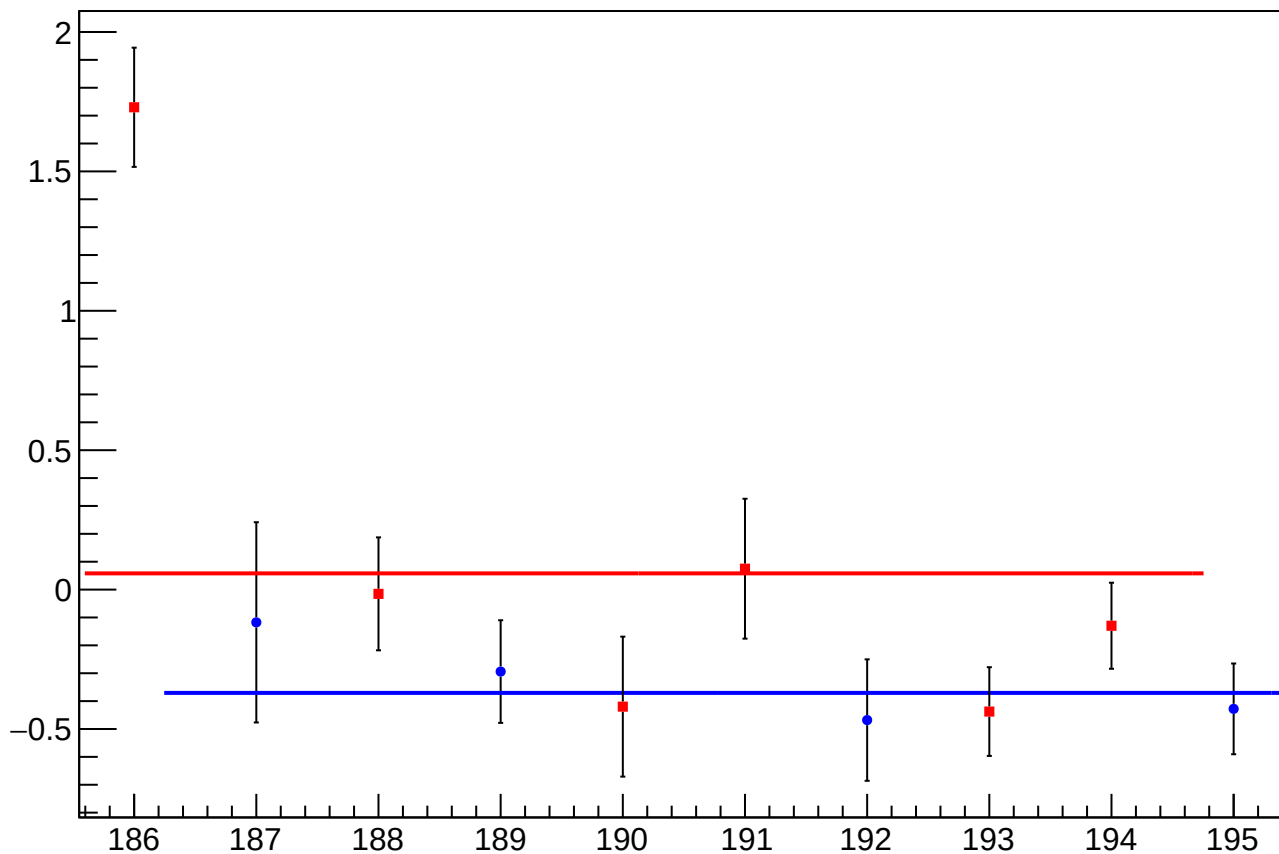
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.363+/-1.593  $\chi^2/\text{NDF}$ : 110.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.370 \pm 0.102$   $\chi^2/\text{NDF}$ : 1.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.058 \pm 0.079$   $\chi^2/\text{NDF}$ : 76.1/5

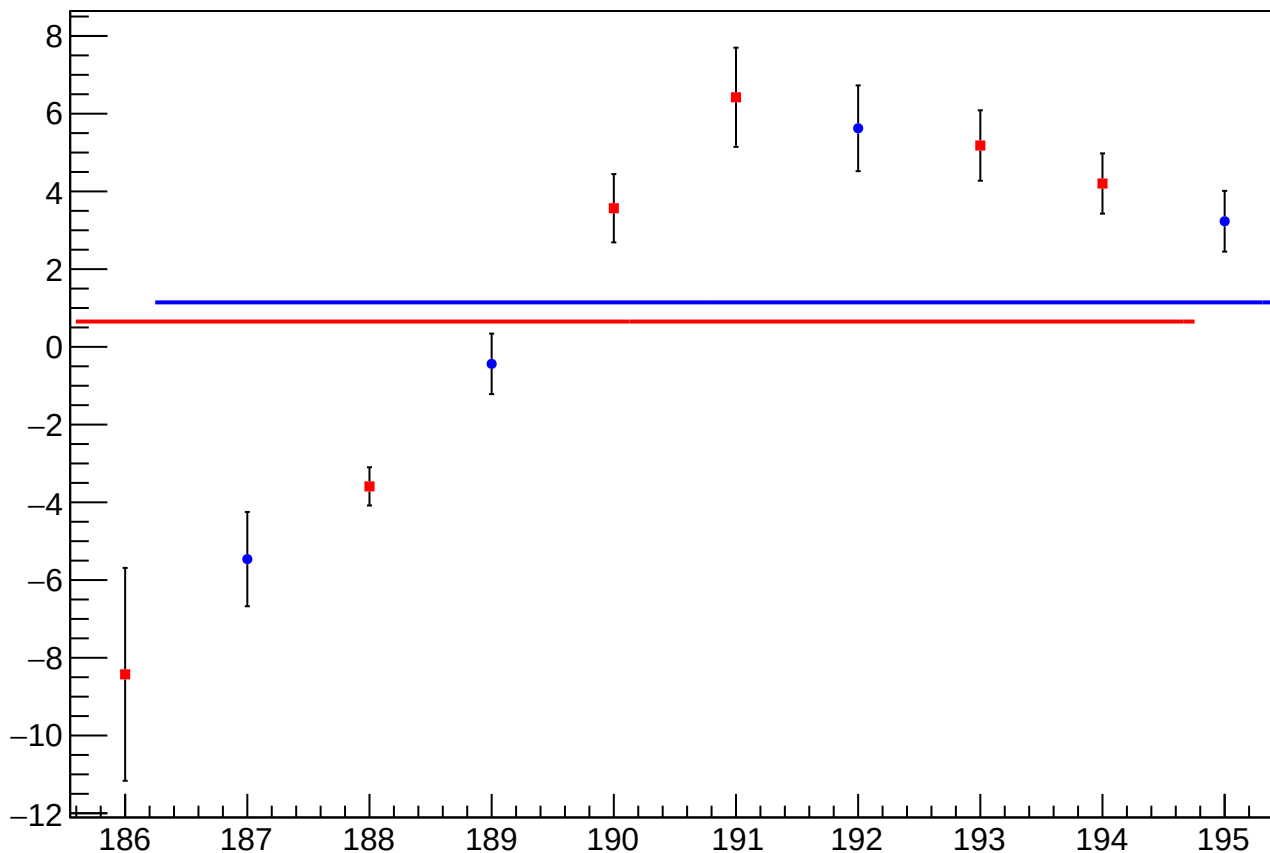
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.103 \pm 0.063$   $\chi^2/\text{NDF}$ : 88.1/9

- 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: 1.145 $\pm$ 0.457  $\chi^2$ /NDF: 57.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.652 $\pm$ 0.332  $\chi^2$ /NDF: 162.8/5

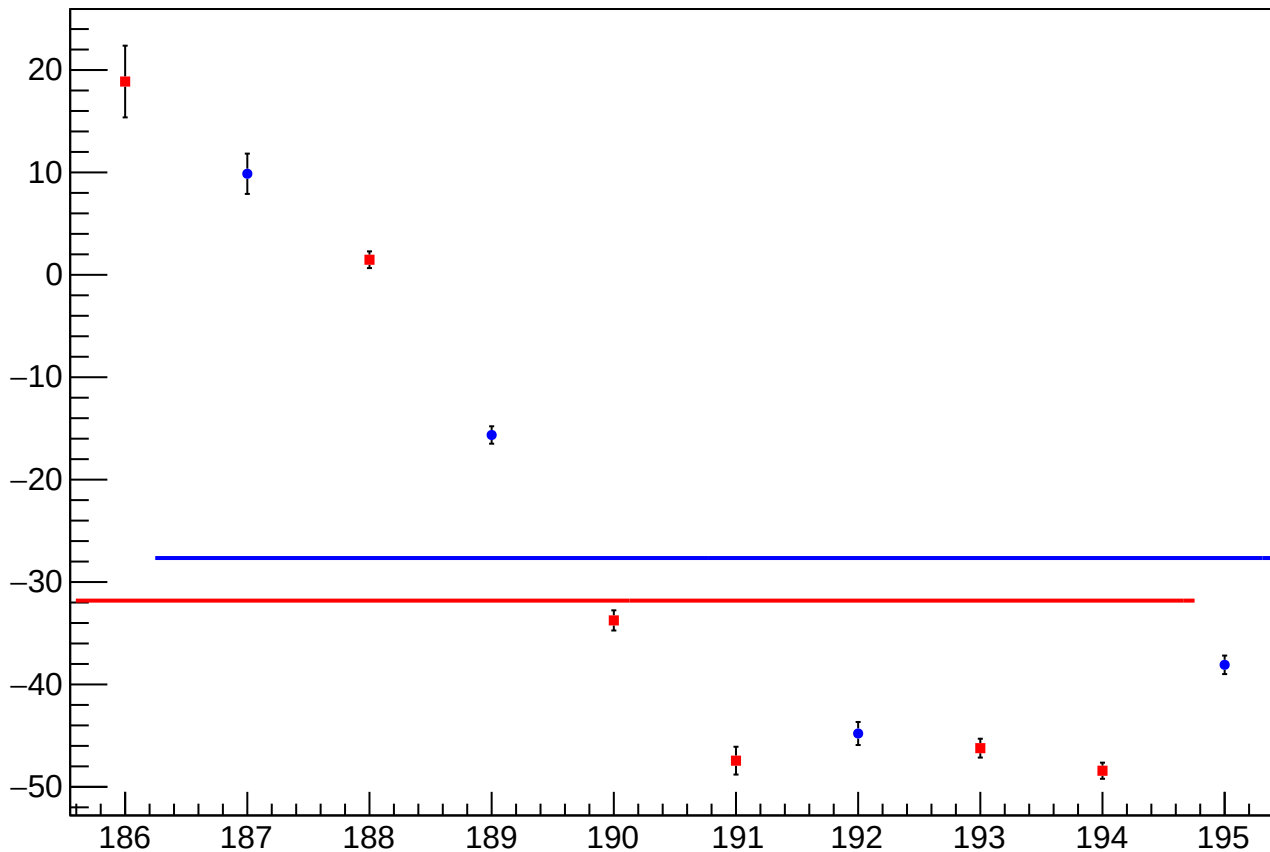
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.822 $\pm$ 0.269  $\chi^2$ /NDF: 220.9/9

- 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:  $-27.655 \pm 0.523$   $\chi^2/\text{NDF}$ : 927.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-31.814 \pm 0.410$   $\chi^2/\text{NDF}$ : 2700.3/5

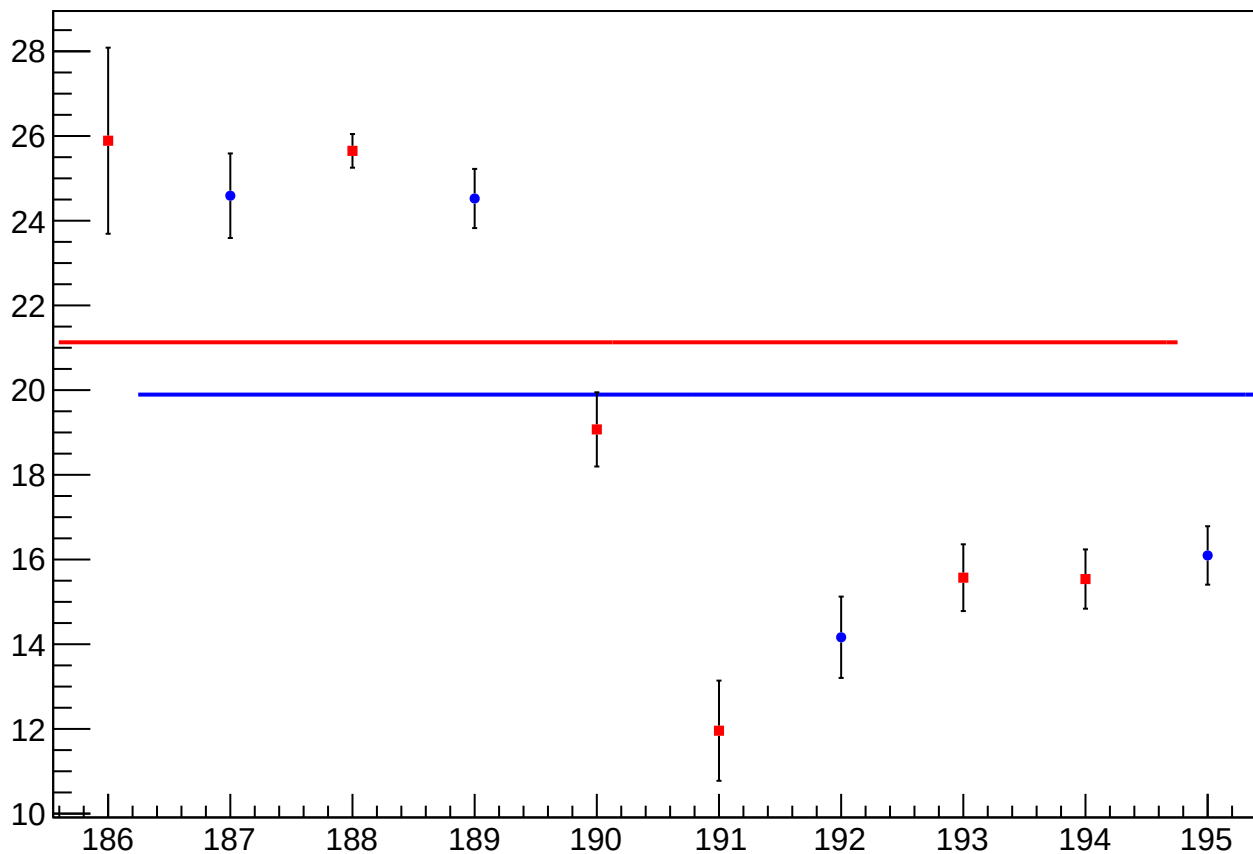
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-30.231 \pm 0.323$   $\chi^2/\text{NDF}$ : 3667.2/9

- 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: 19.894 $\pm$ 0.400  $\chi^2$ /NDF: 132.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 21.129 $\pm$ 0.286  $\chi^2$ /NDF: 313.2/5

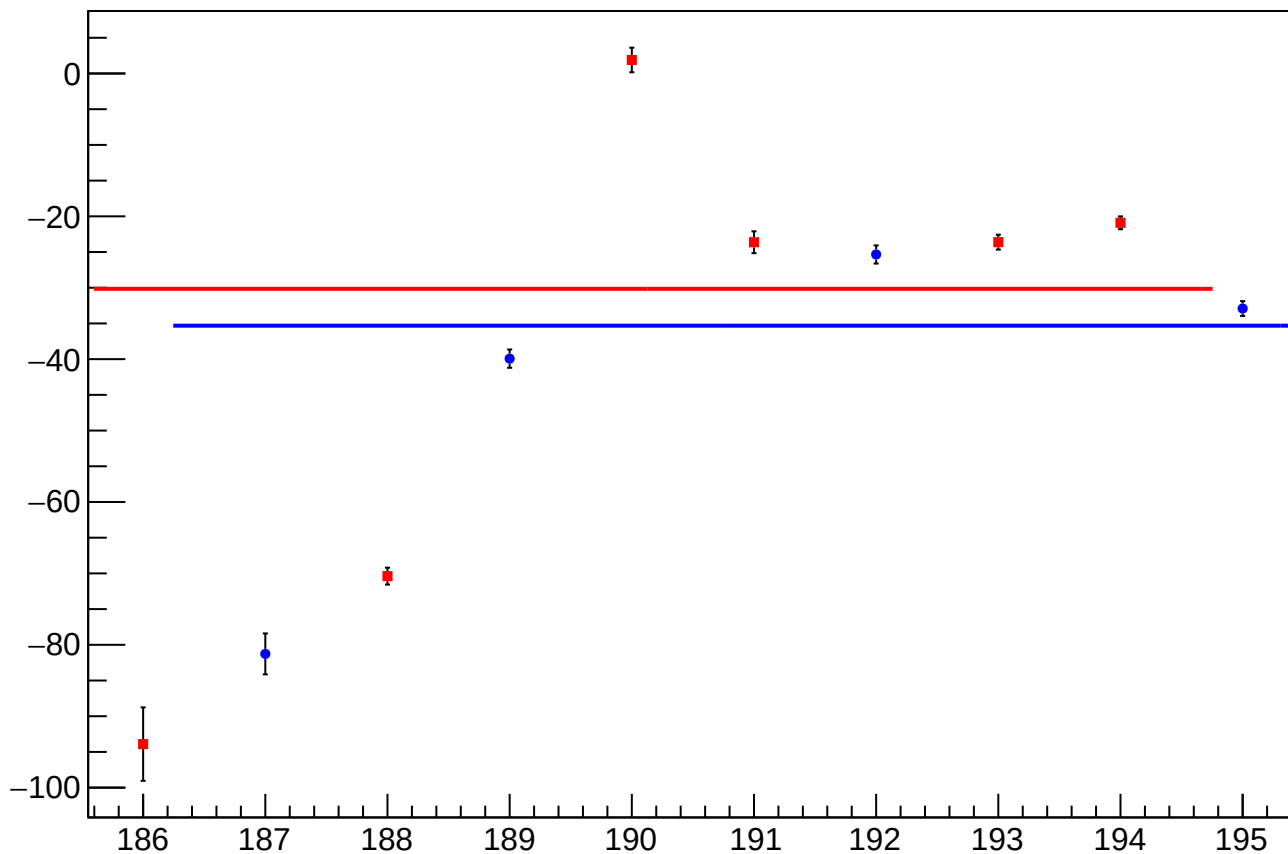
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 20.711 $\pm$ 0.233  $\chi^2$ /NDF: 451.5/9

- 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:  $-35.314 \pm 0.662$   $\chi^2/\text{NDF}$ : 337.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-30.152 \pm 0.522$   $\chi^2/\text{NDF}$ : 1815.5/5

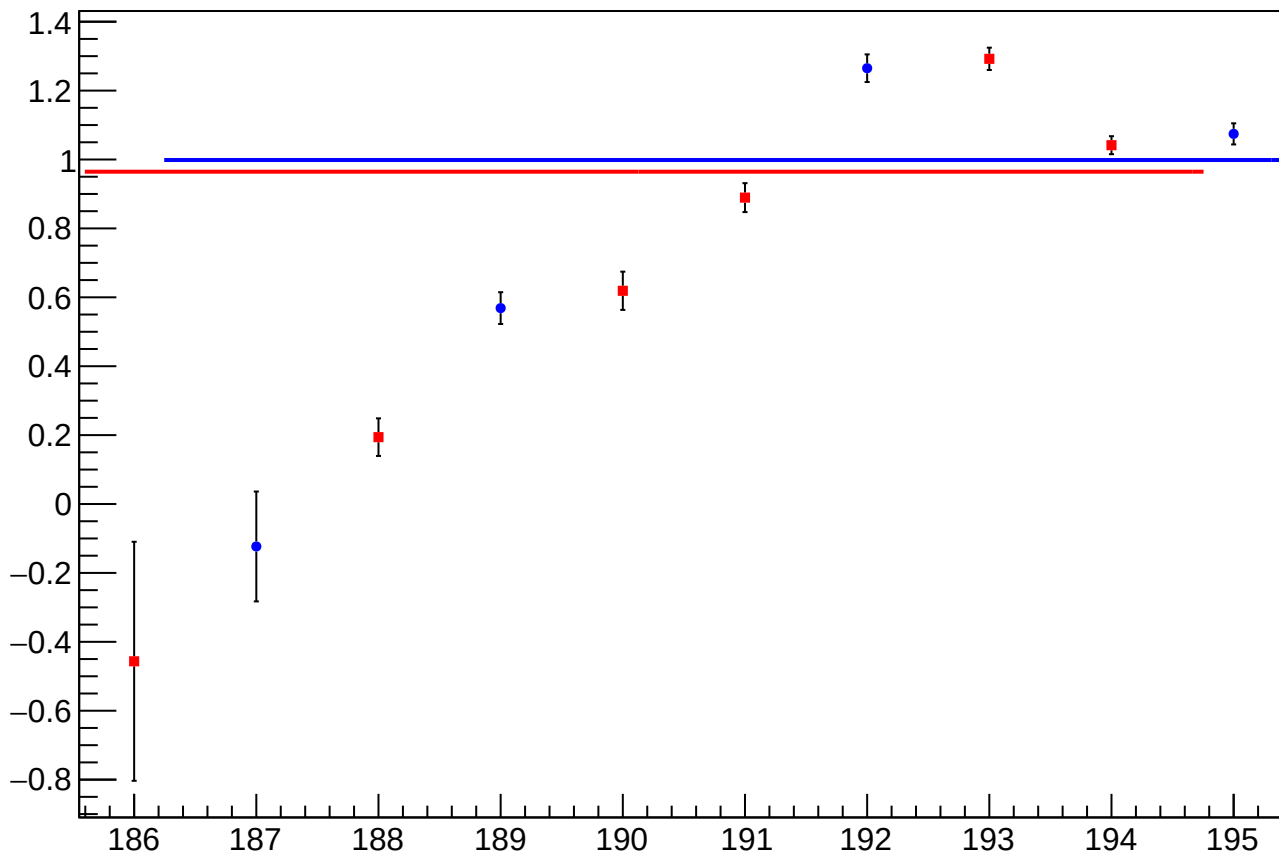
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-32.131 \pm 0.410$   $\chi^2/\text{NDF}$ : 2190.1/9

- 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: 0.999 $\pm$ 0.021  $\chi^2$ /NDF: 186.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.965 $\pm$ 0.017  $\chi^2$ /NDF: 369.3/5

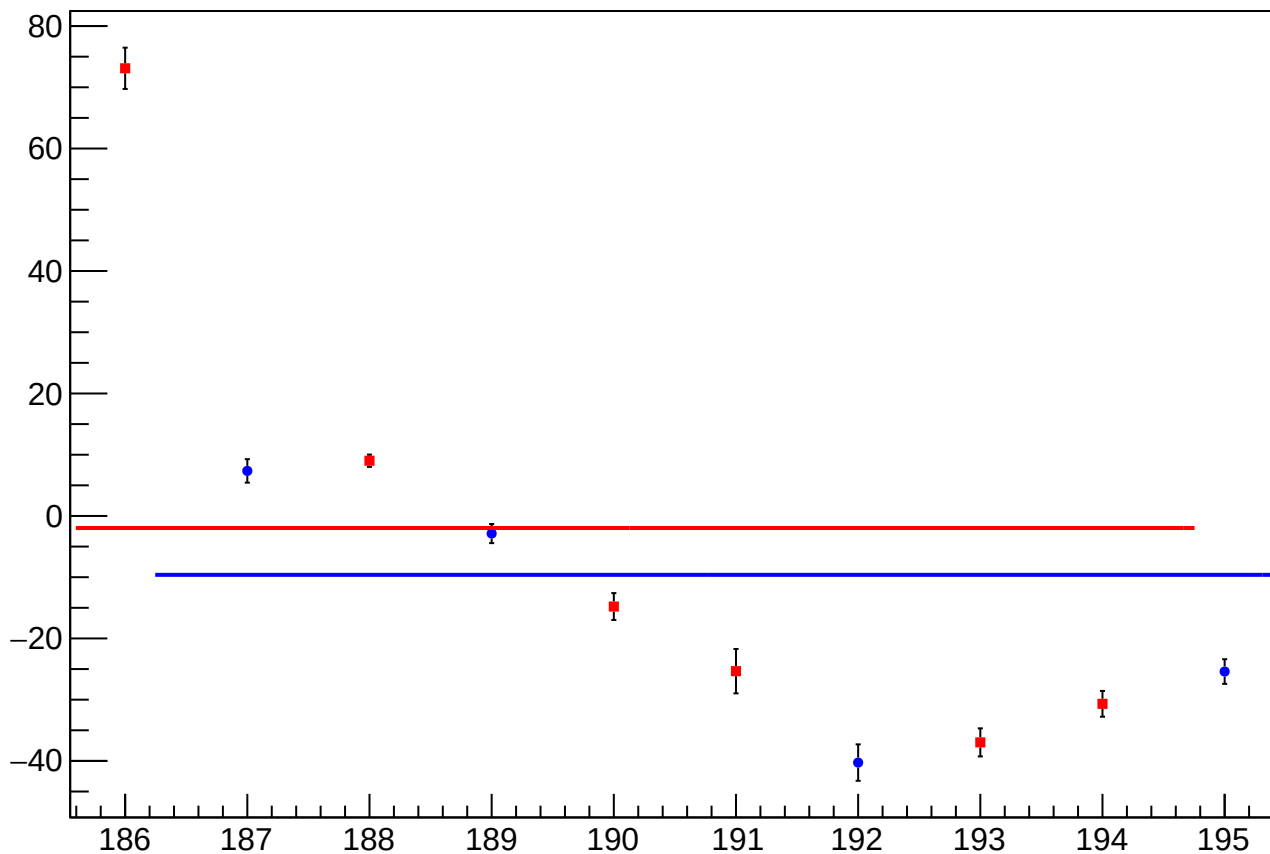
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.977 $\pm$ 0.013  $\chi^2$ /NDF: 557.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-9.614 \pm 0.980$   $\chi^2/\text{NDF}$ : 264.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.966 \pm 0.748$   $\chi^2/\text{NDF}$ : 1112.2/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

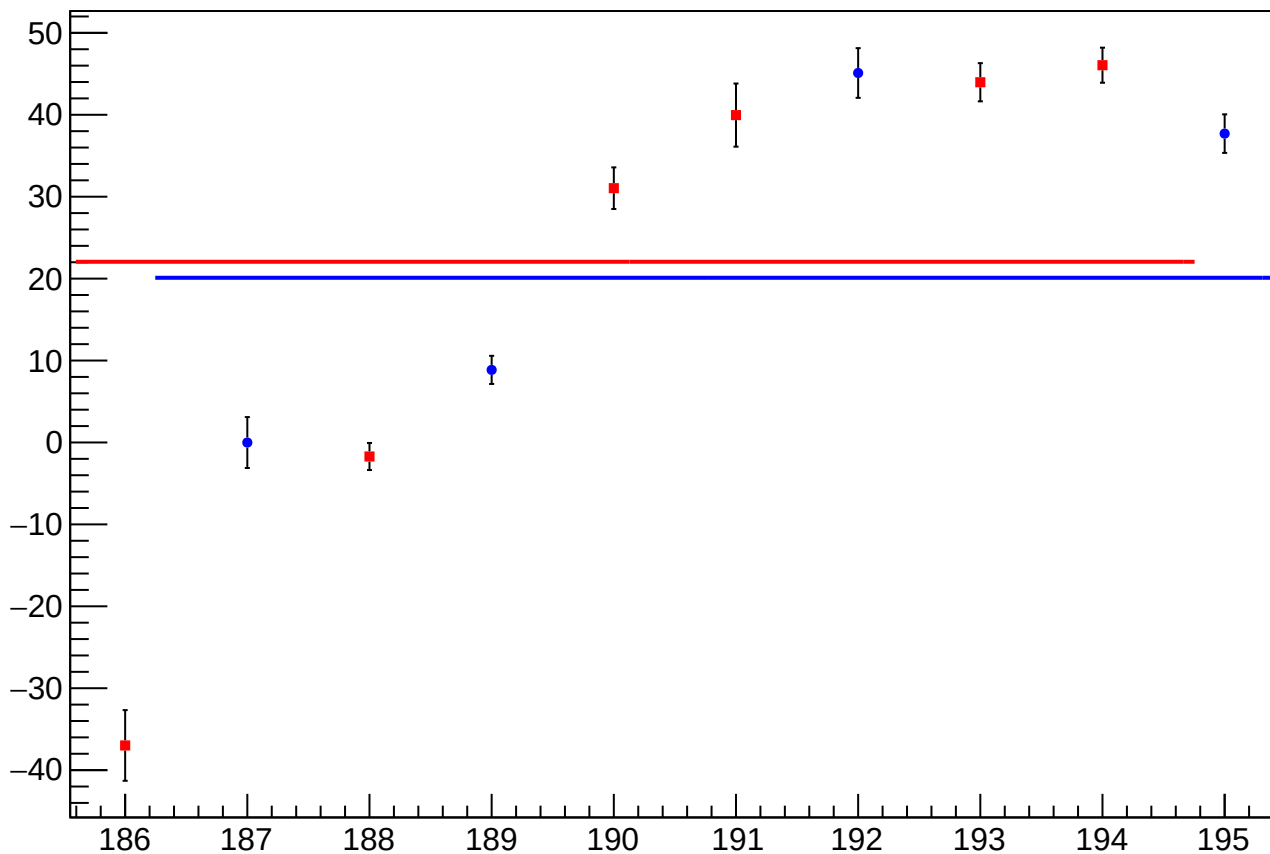
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-4.782 \pm 0.595$   $\chi^2/\text{NDF}$ : 1415.4/9

- 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: 20.104 $\pm$ 1.169  $\chi^2$ /NDF: 208.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 22.058 $\pm$ 0.978  $\chi^2$ /NDF: 642.4/5

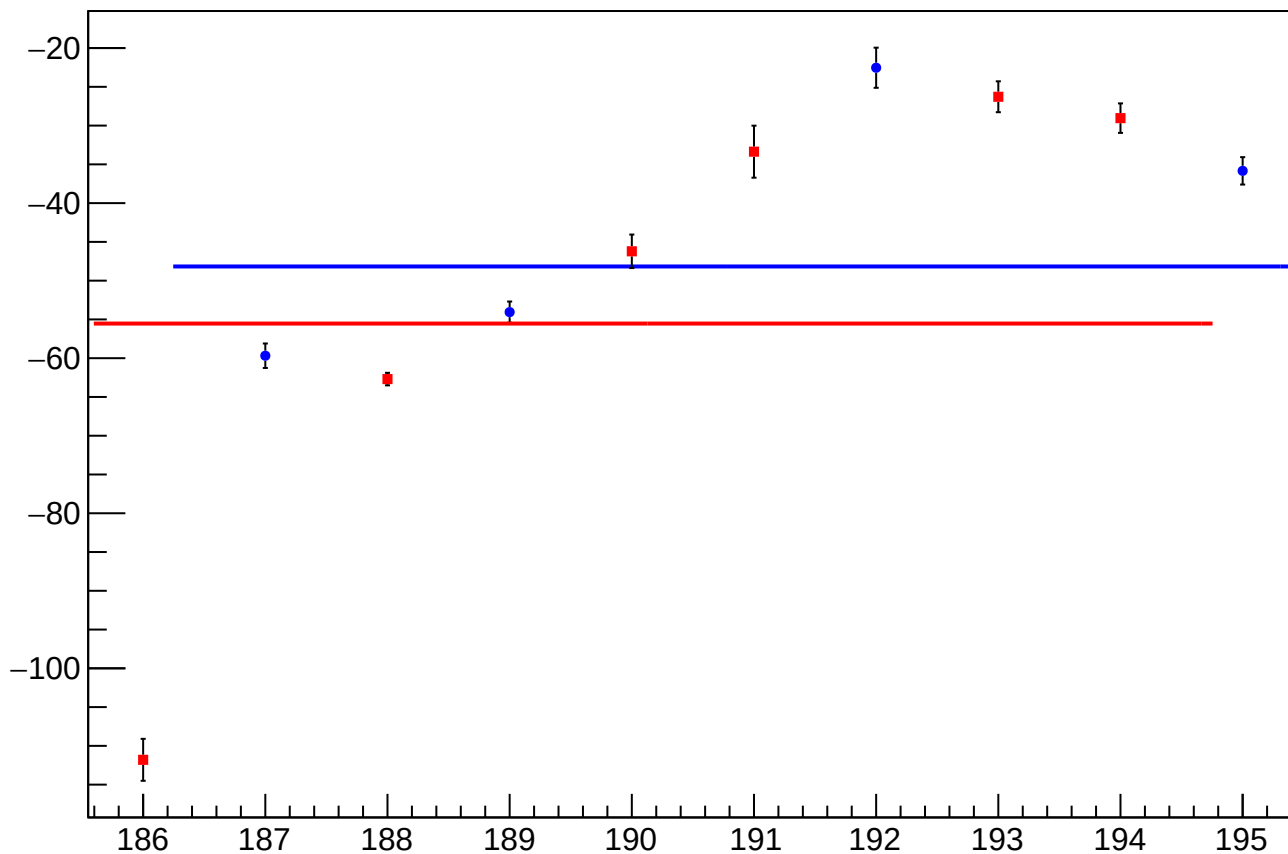
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 21.253 $\pm$ 0.750  $\chi^2$ /NDF: 852.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -48.170 $\pm$ 0.843  $\chi^2$ /NDF: 218.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -55.534 $\pm$ 0.633  $\chi^2$ /NDF: 982.7/5

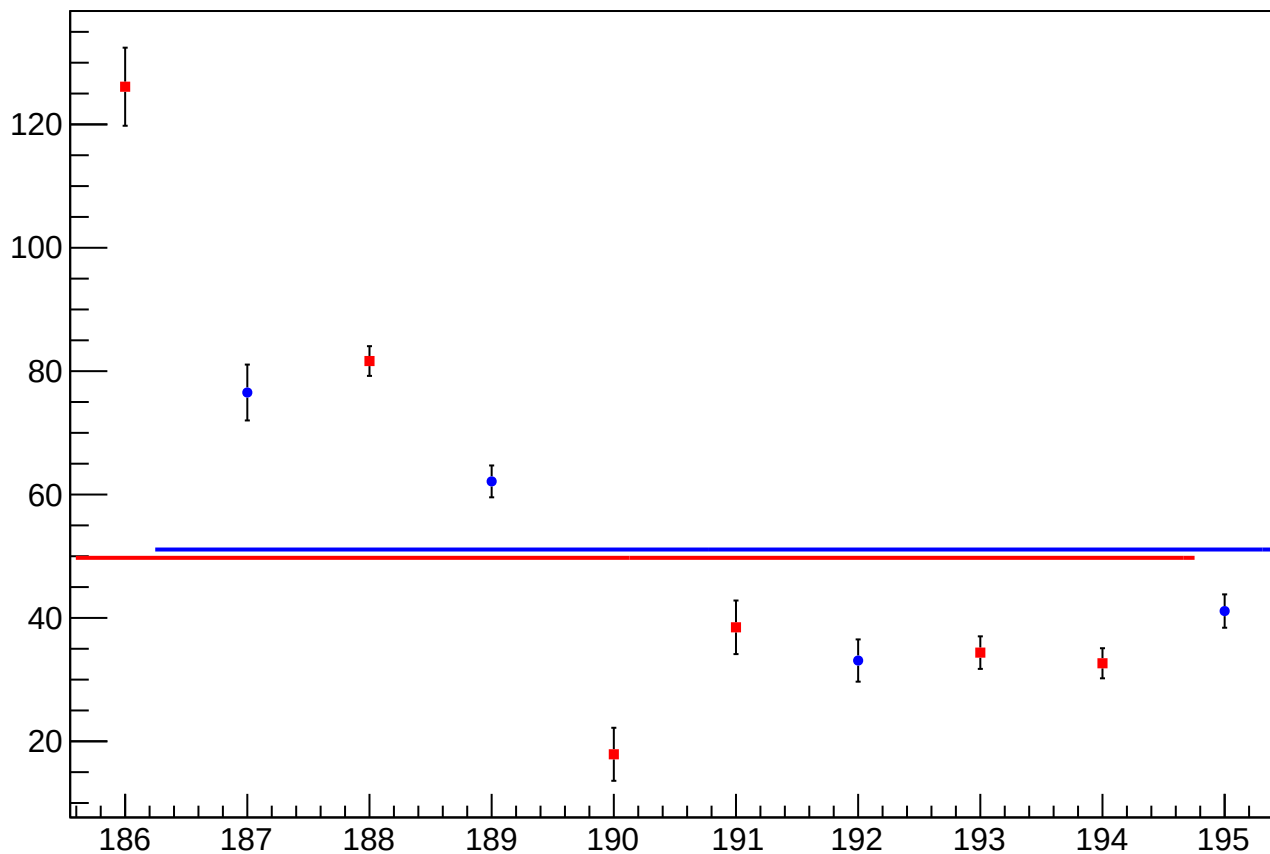
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -52.880 $\pm$ 0.506  $\chi^2$ /NDF: 1250.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 51.088 $\pm$ 1.542  $\chi^2$ /NDF: 91.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 49.742 $\pm$ 1.274  $\chi^2$ /NDF: 465.6/5

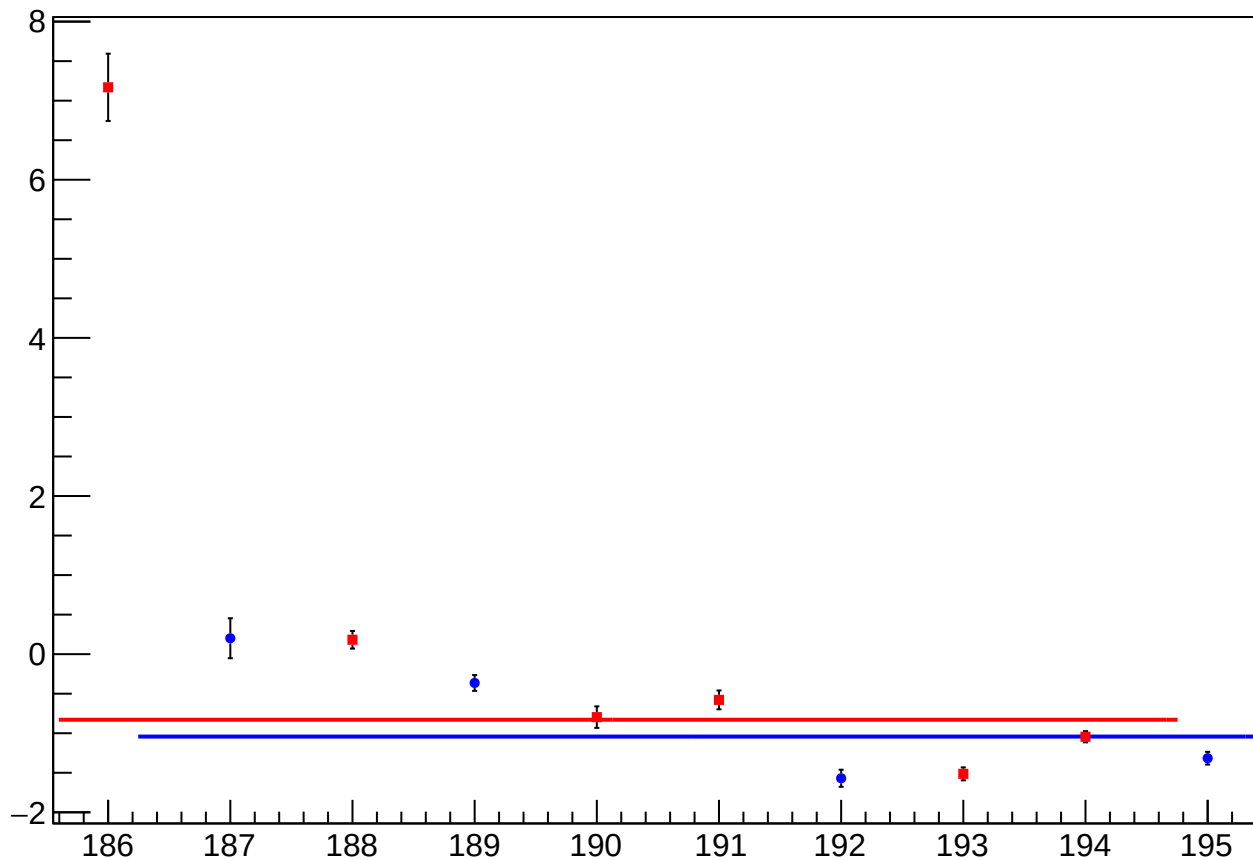
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 50.288 $\pm$ 0.982  $\chi^2$ /NDF: 557.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.042 \pm 0.053$   $\chi^2/\text{NDF}$ : 105.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.829 \pm 0.042$   $\chi^2/\text{NDF}$ : 518.9/5

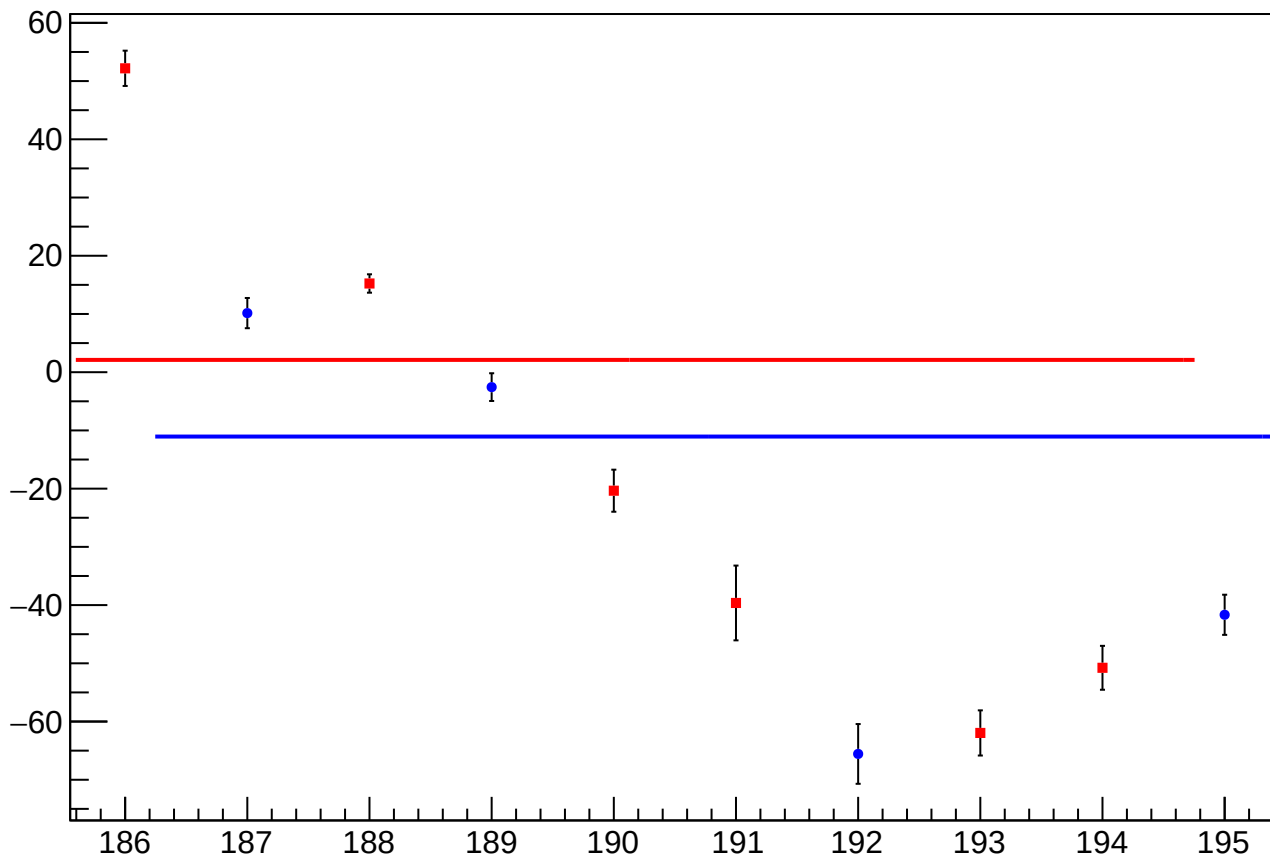
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.912 \pm 0.033$   $\chi^2/\text{NDF}$ : 634.4/9

- 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: -11.054 $\pm$ 1.496  $\chi^2$ /NDF: 271.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.112 $\pm$ 1.157  $\chi^2$ /NDF: 892.6/5

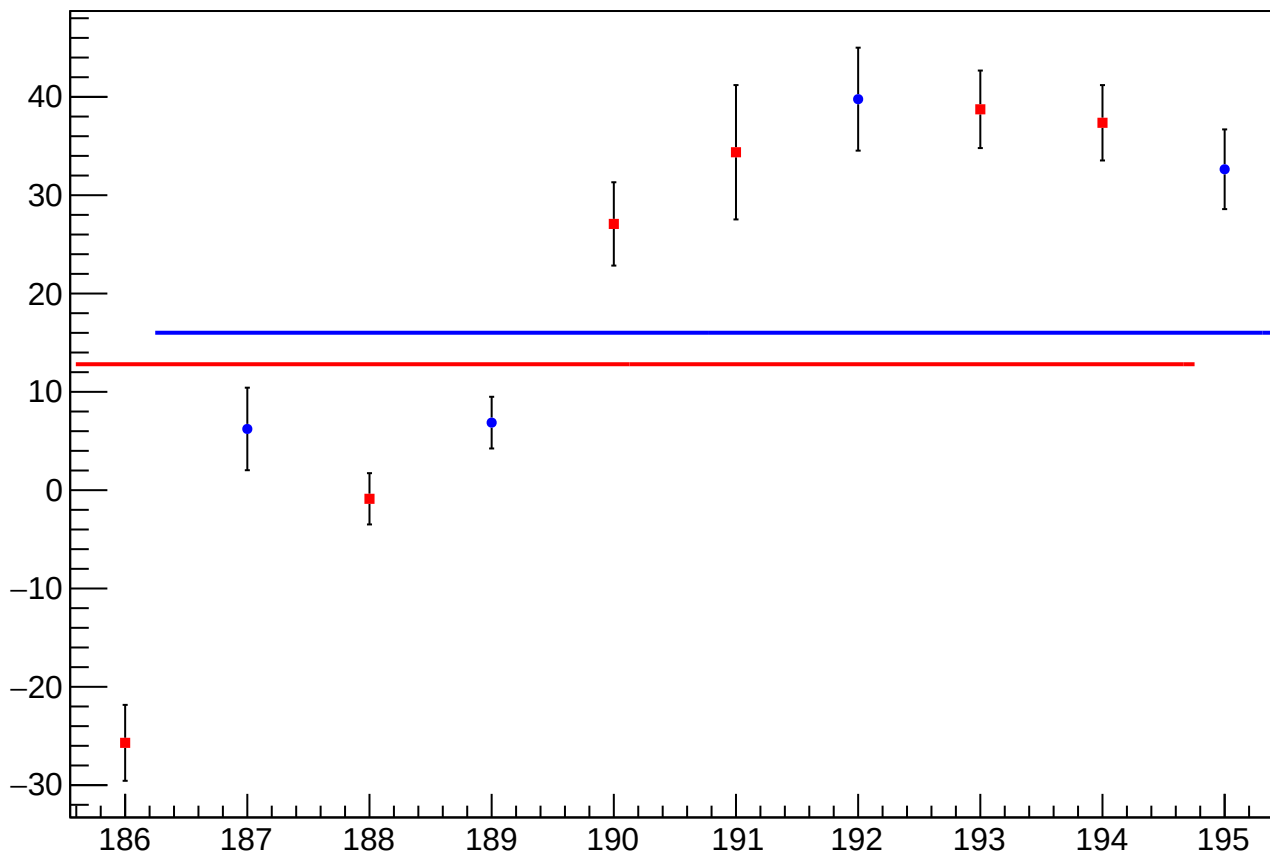
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -2.815 $\pm$ 0.915  $\chi^2$ /NDF: 1212.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_3748\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 16.013 $\pm$ 1.829  $\chi^2$ /NDF: 54.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 12.809 $\pm$ 1.536  $\chi^2$ /NDF: 232.6/5

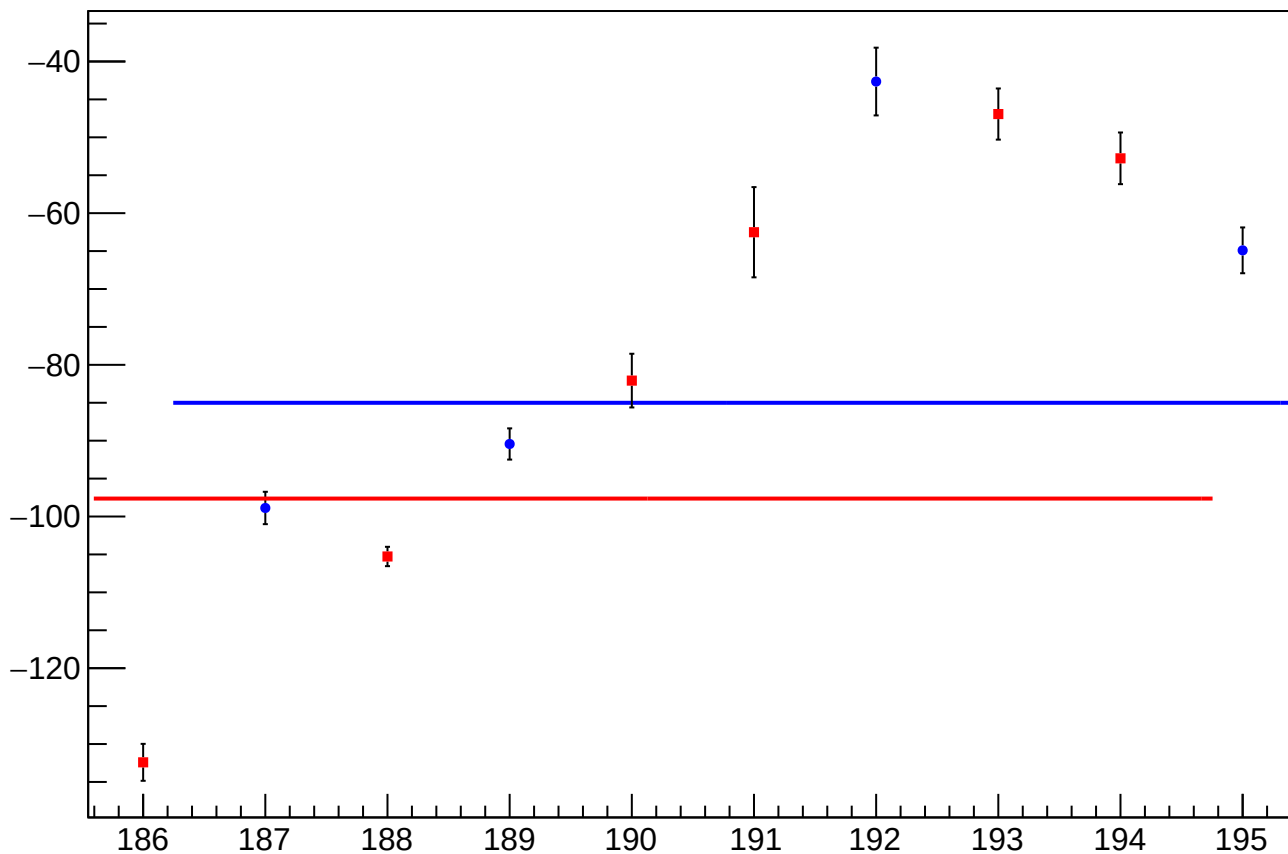
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 14.134 $\pm$ 1.176  $\chi^2$ /NDF: 289.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_3748\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -85.005 $\pm$ 1.275  $\chi^2$ /NDF: 183.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -97.633 $\pm$ 0.969  $\chi^2$ /NDF: 693.5/5

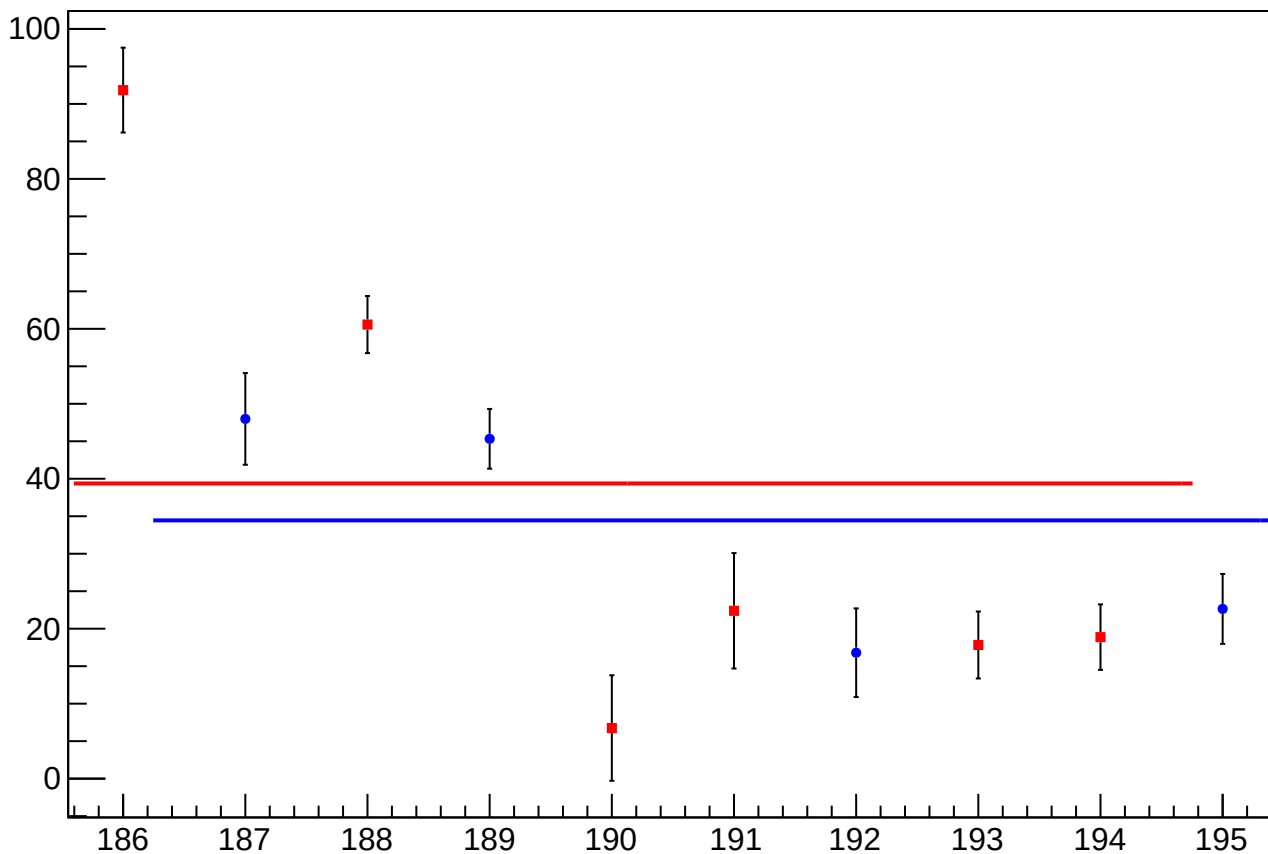
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -93.009 $\pm$ 0.771  $\chi^2$ /NDF: 939.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_3748\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 34.447 $\pm$ 2.467  $\chi^2$ /NDF: 27.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 39.372 $\pm$ 2.042  $\chi^2$ /NDF: 188.6/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

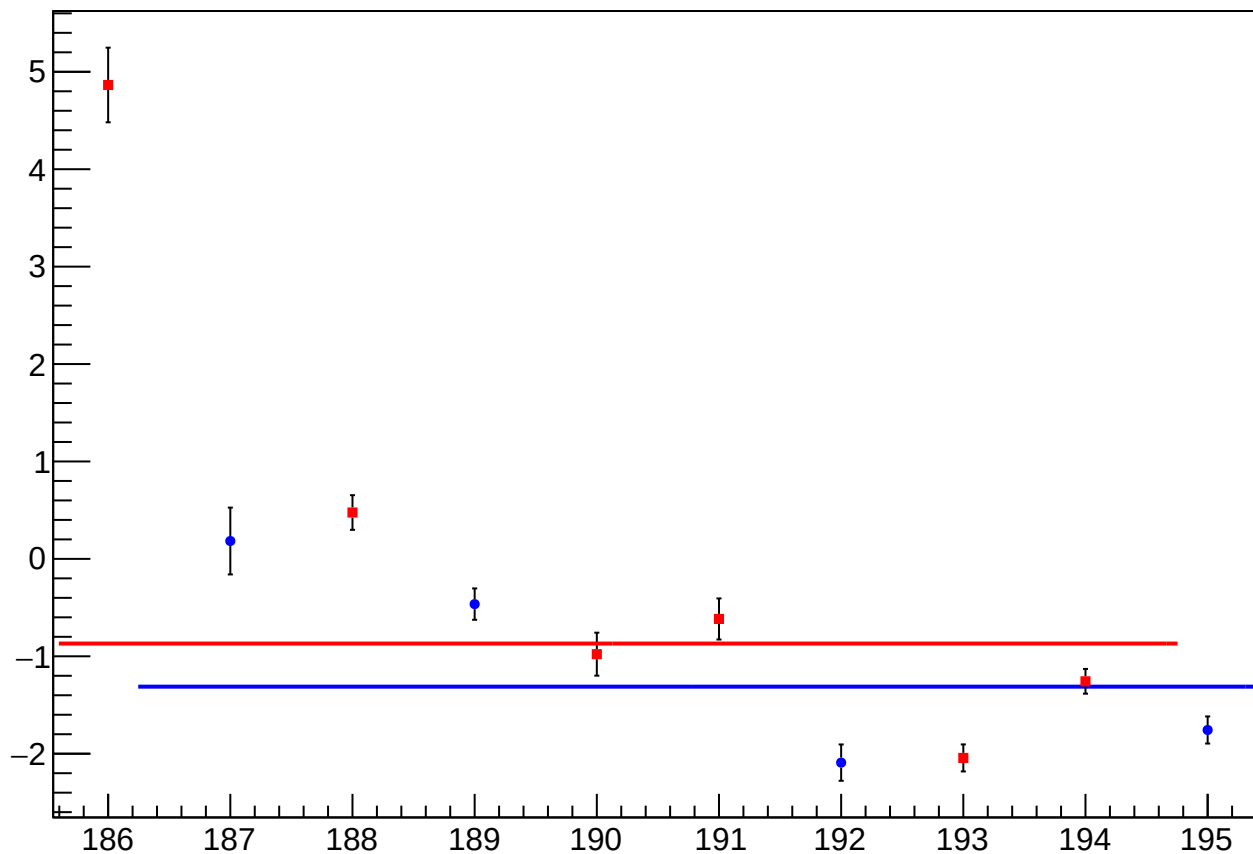
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 37.369 $\pm$ 1.573  $\chi^2$ /NDF: 218.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_3748\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.312 \pm 0.089$   $\chi^2/\text{NDF}$ : 74.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.869 \pm 0.072$   $\chi^2/\text{NDF}$ : 364.0/5

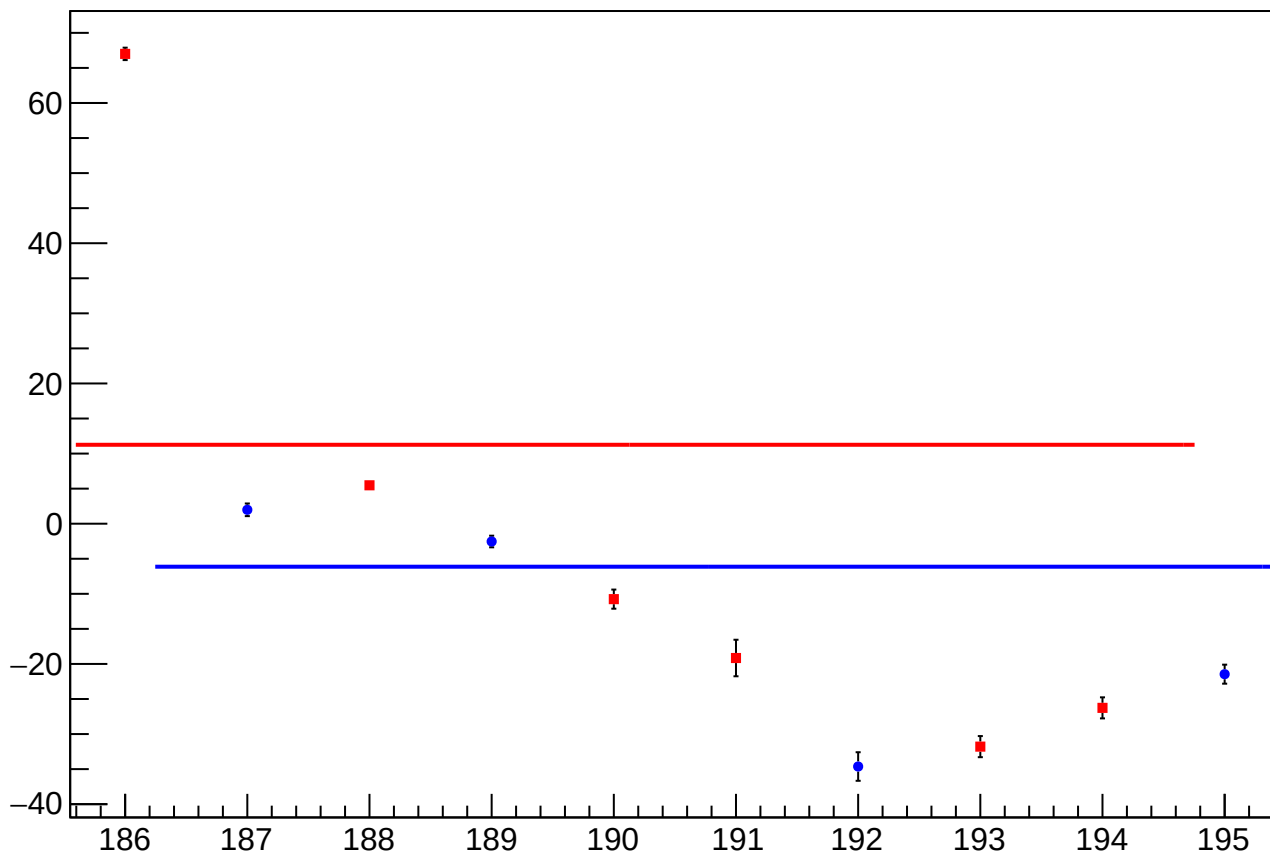
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.044 \pm 0.056$   $\chi^2/\text{NDF}$ : 453.5/9

- 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: -6.133+/-0.537  $\chi^2/\text{NDF}$ : 423.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.255+/-0.402  $\chi^2/\text{NDF}$ : 5919.8/5

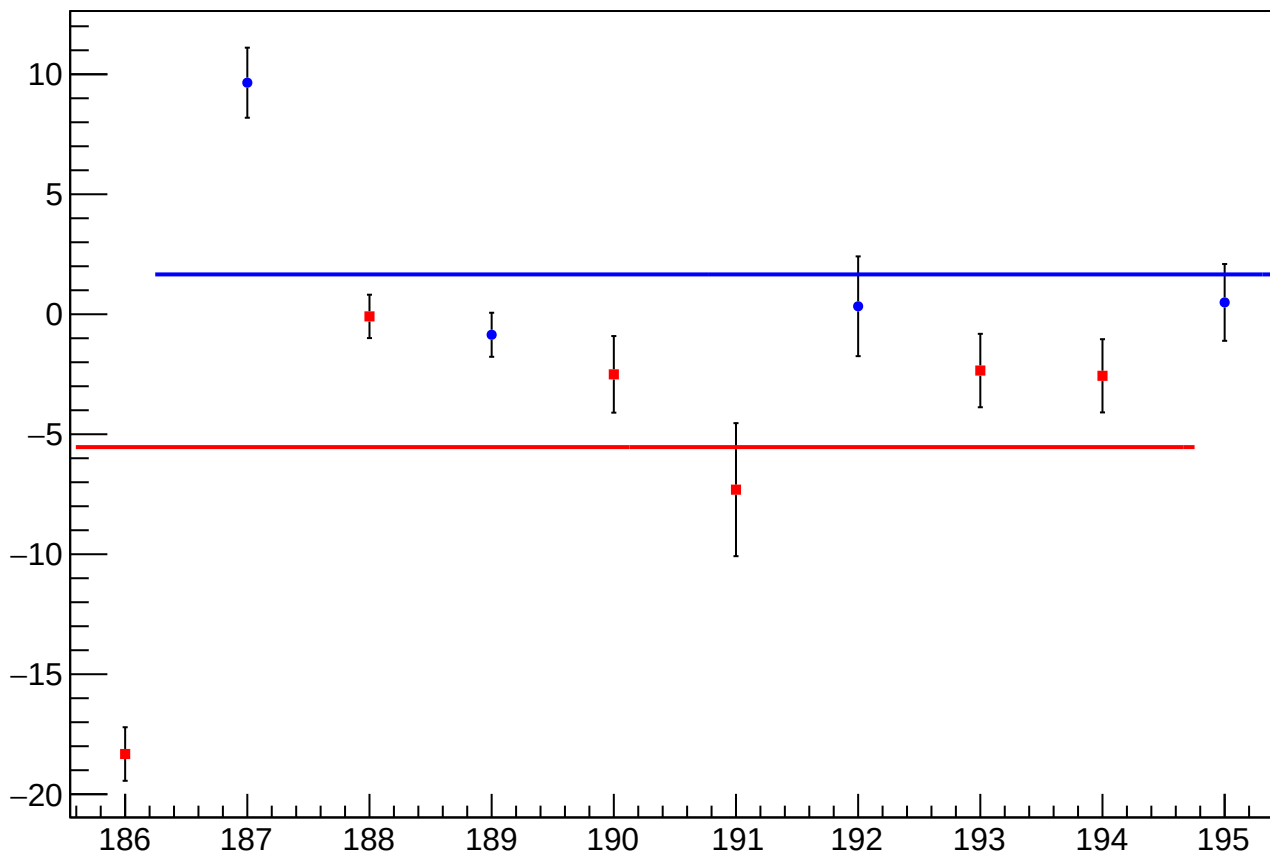
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.001+/-0.322  $\chi^2/\text{NDF}$ : 7014.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1526\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 1.660 $\pm$ 0.663  $\chi^2$ /NDF: 38.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -5.536 $\pm$ 0.542  $\chi^2$ /NDF: 179.8/5

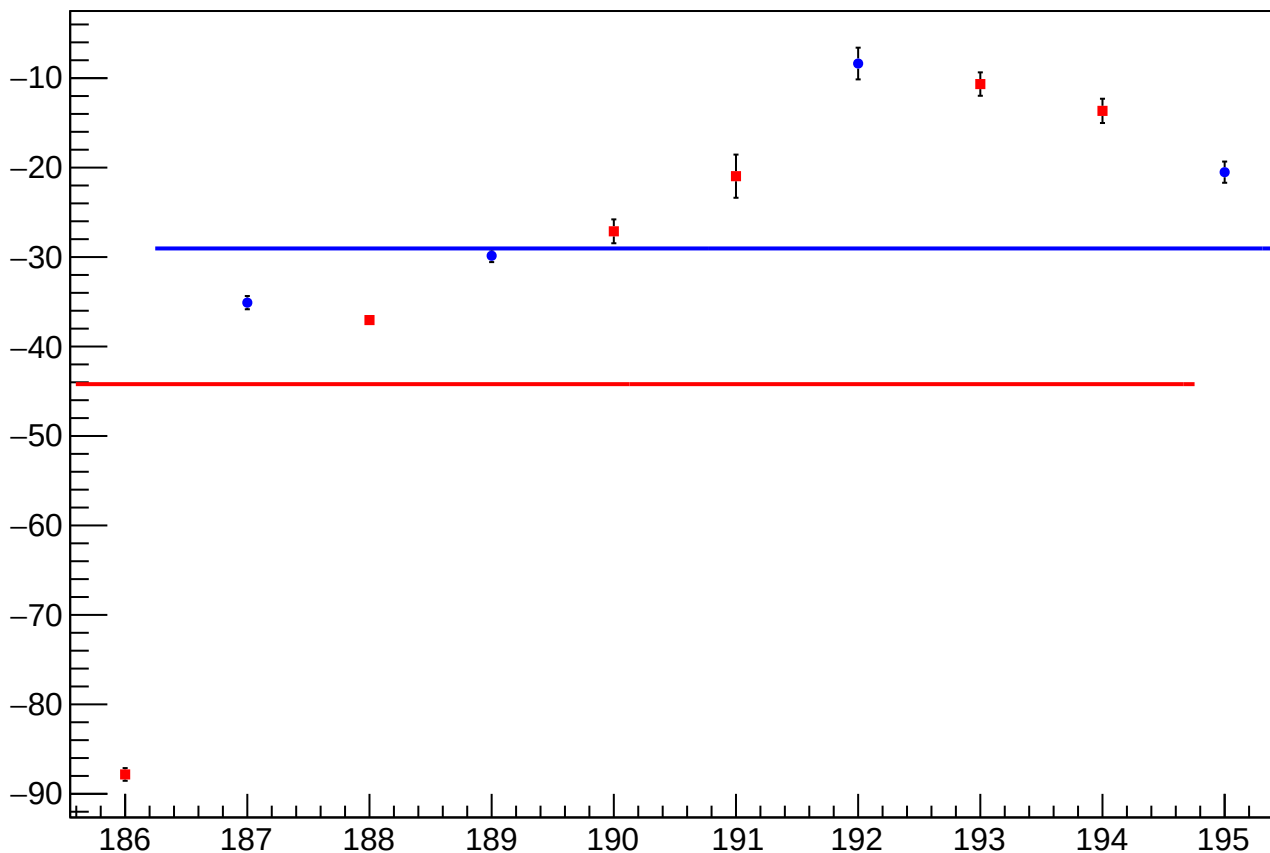
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -2.652 $\pm$ 0.419  $\chi^2$ /NDF: 288.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1526\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-29.037 \pm 0.455$   $\chi^2/\text{NDF}$ : 255.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-44.206 \pm 0.334$   $\chi^2/\text{NDF}$ : 5448.2/5

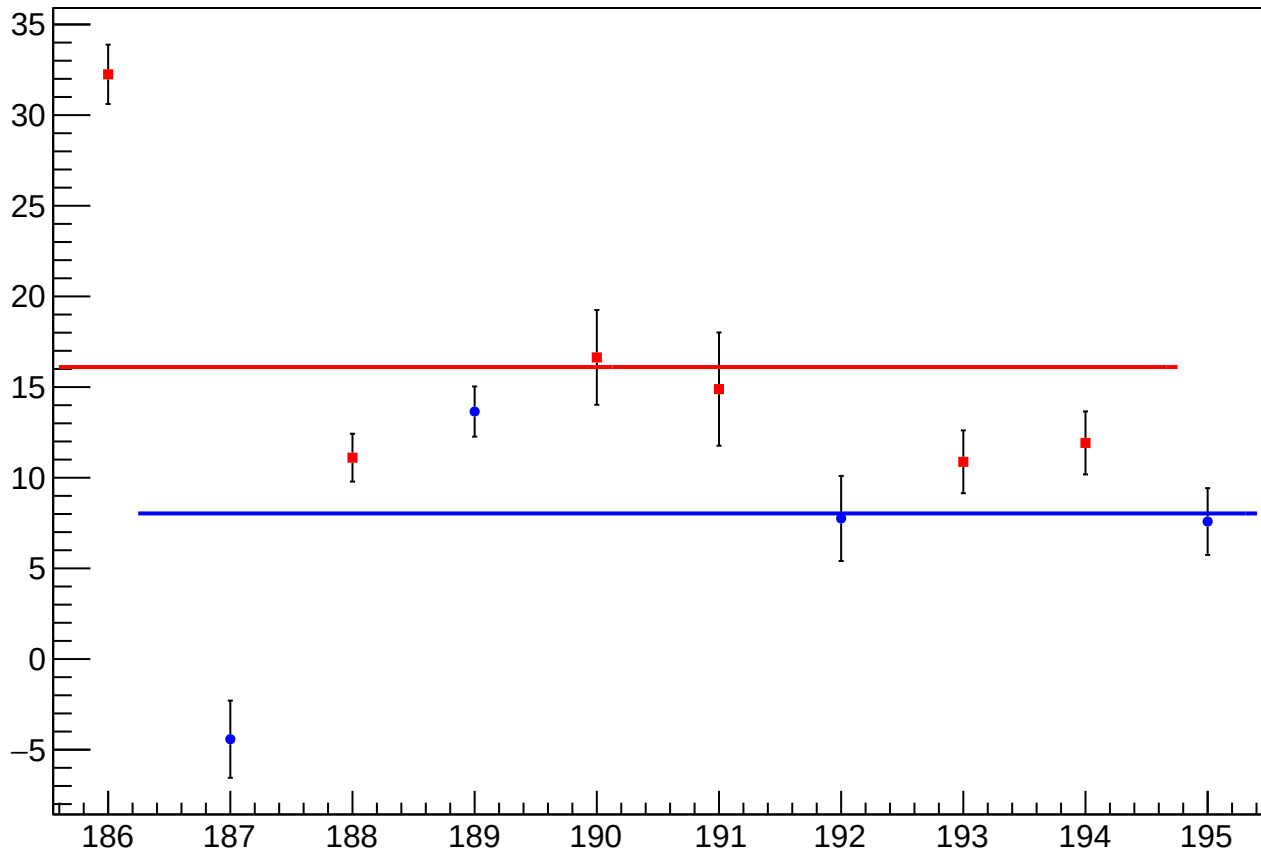
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-38.887 \pm 0.269$   $\chi^2/\text{NDF}$ : 6425.4/9

- 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: 8.030 $\pm$ 0.906  $\chi^2$ /NDF: 50.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 16.104 $\pm$ 0.733  $\chi^2$ /NDF: 126.9/5

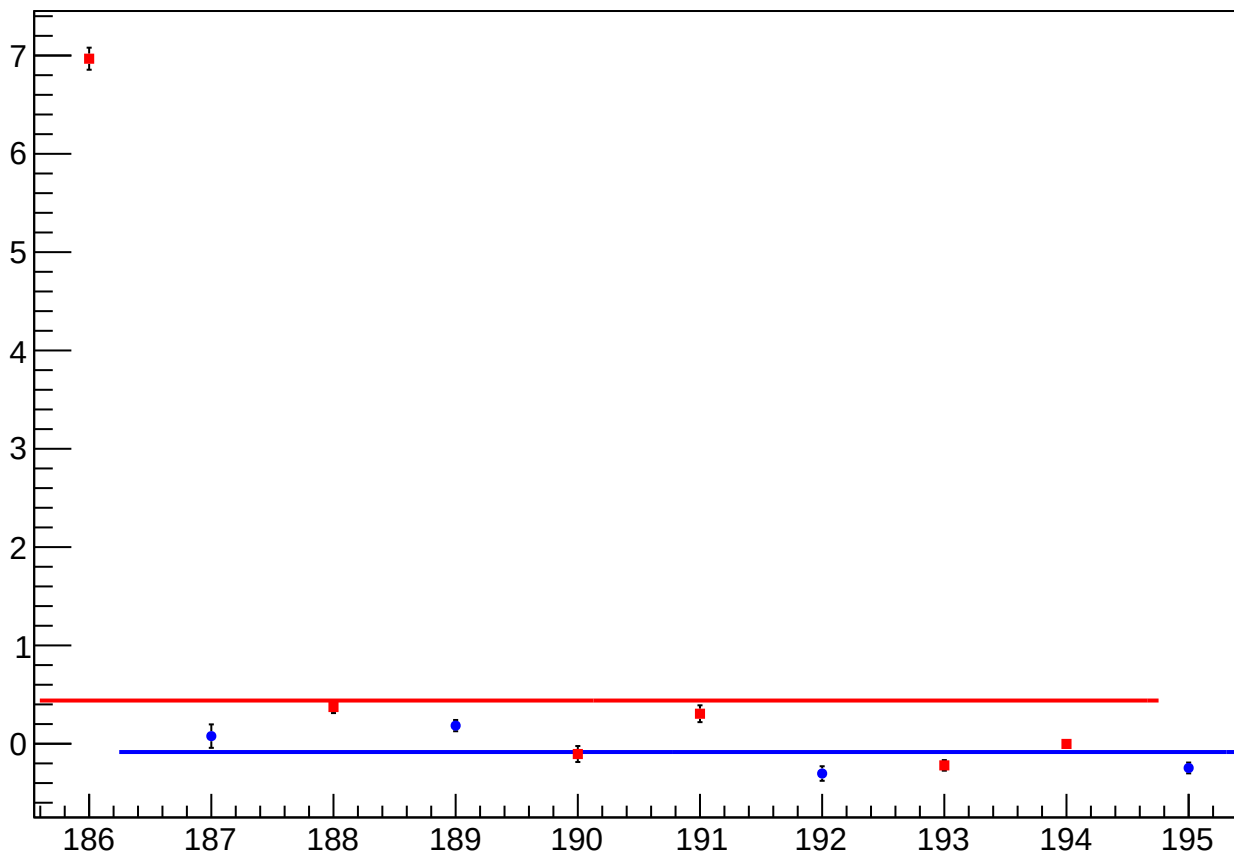
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 12.909 $\pm$ 0.570  $\chi^2$ /NDF: 225.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1526\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.084 \pm 0.034$   $\chi^2/\text{NDF}$ : 41.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.439 \pm 0.027$   $\chi^2/\text{NDF}$ : 3660.8/5

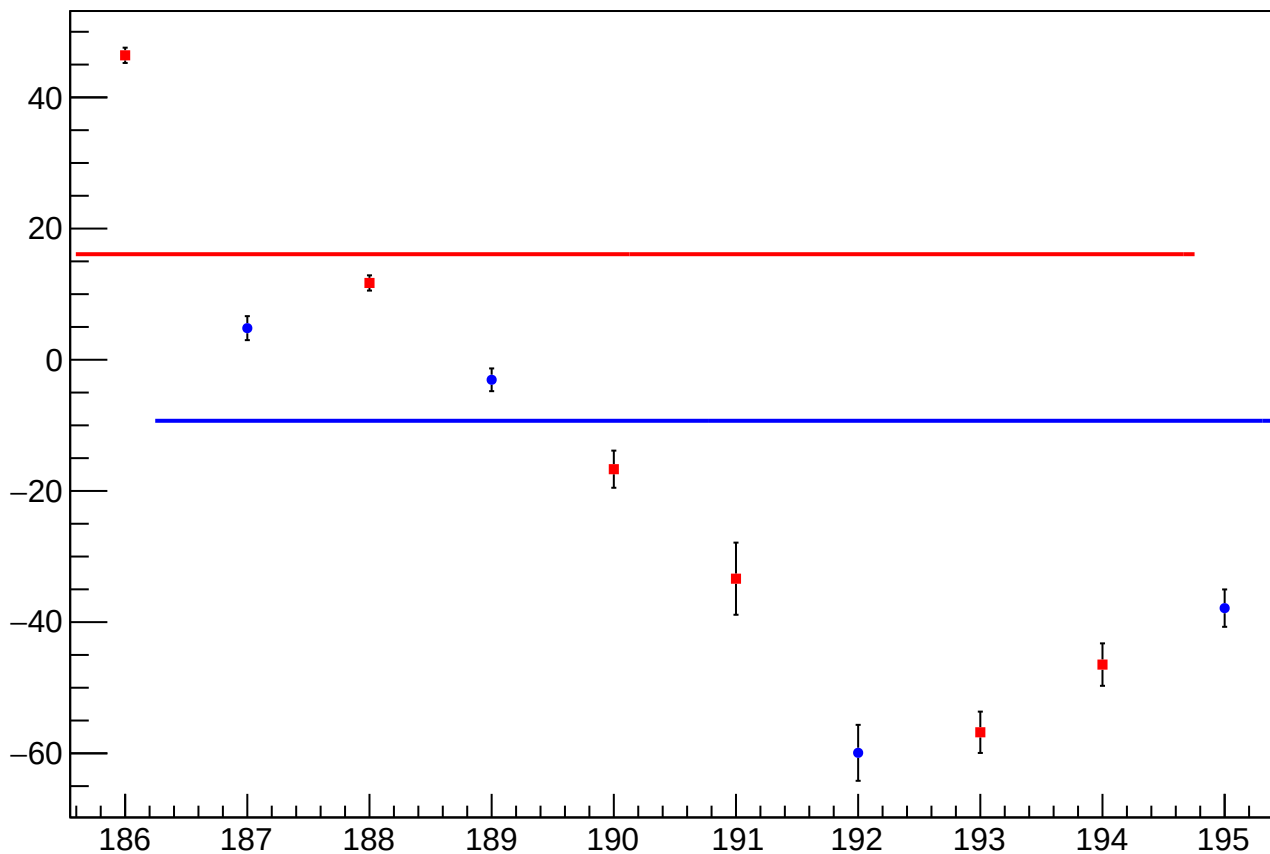
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.233 \pm 0.021$   $\chi^2/\text{NDF}$ : 3849.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_3726\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-9.303 \pm 1.111$   $\chi^2/\text{NDF}$ : 314.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $16.092 \pm 0.740$   $\chi^2/\text{NDF}$ : 1813.7/5

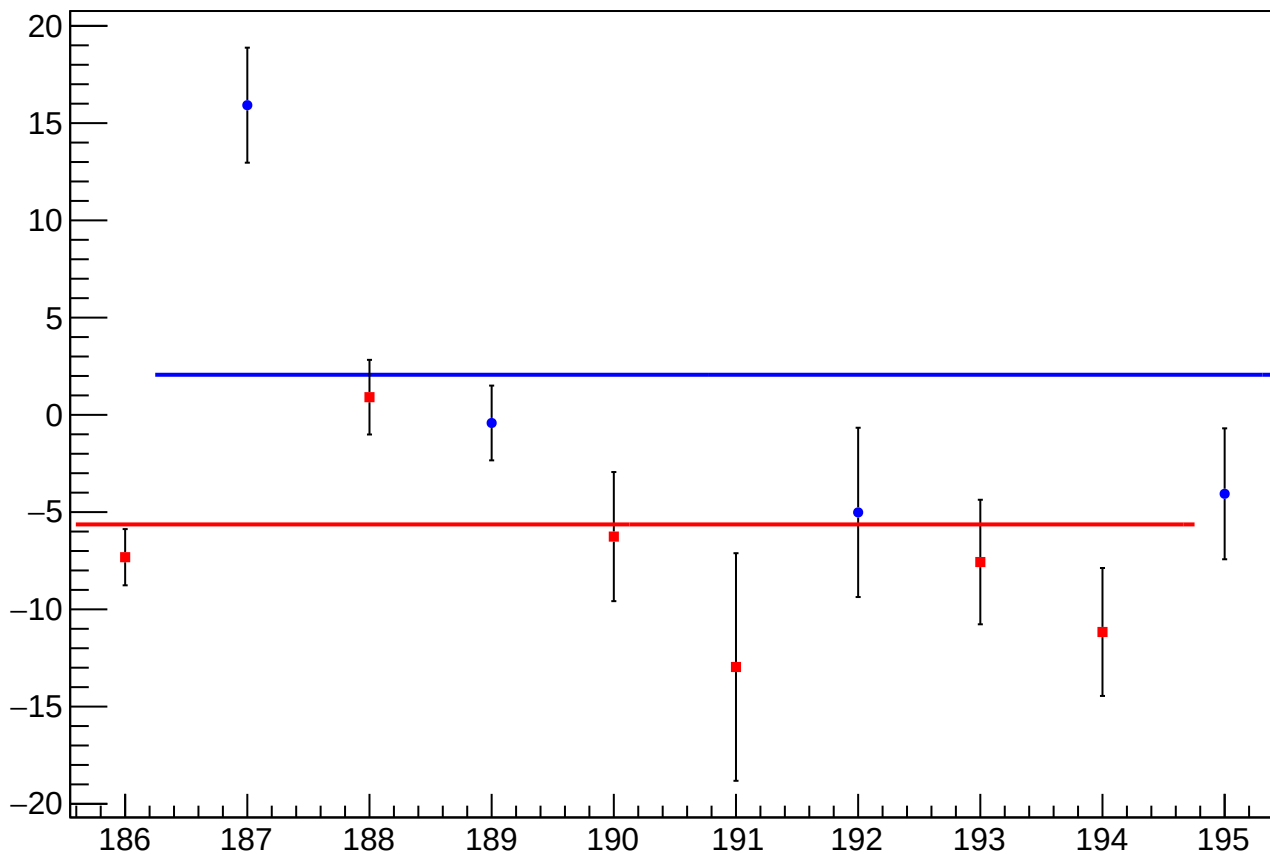
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $8.296 \pm 0.616$   $\chi^2/\text{NDF}$ : 2489.5/9

- 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: 2.062 $\pm$ 1.379  $\chi^2$ /NDF: 29.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -5.633 $\pm$ 0.971  $\chi^2$ /NDF: 17.8/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

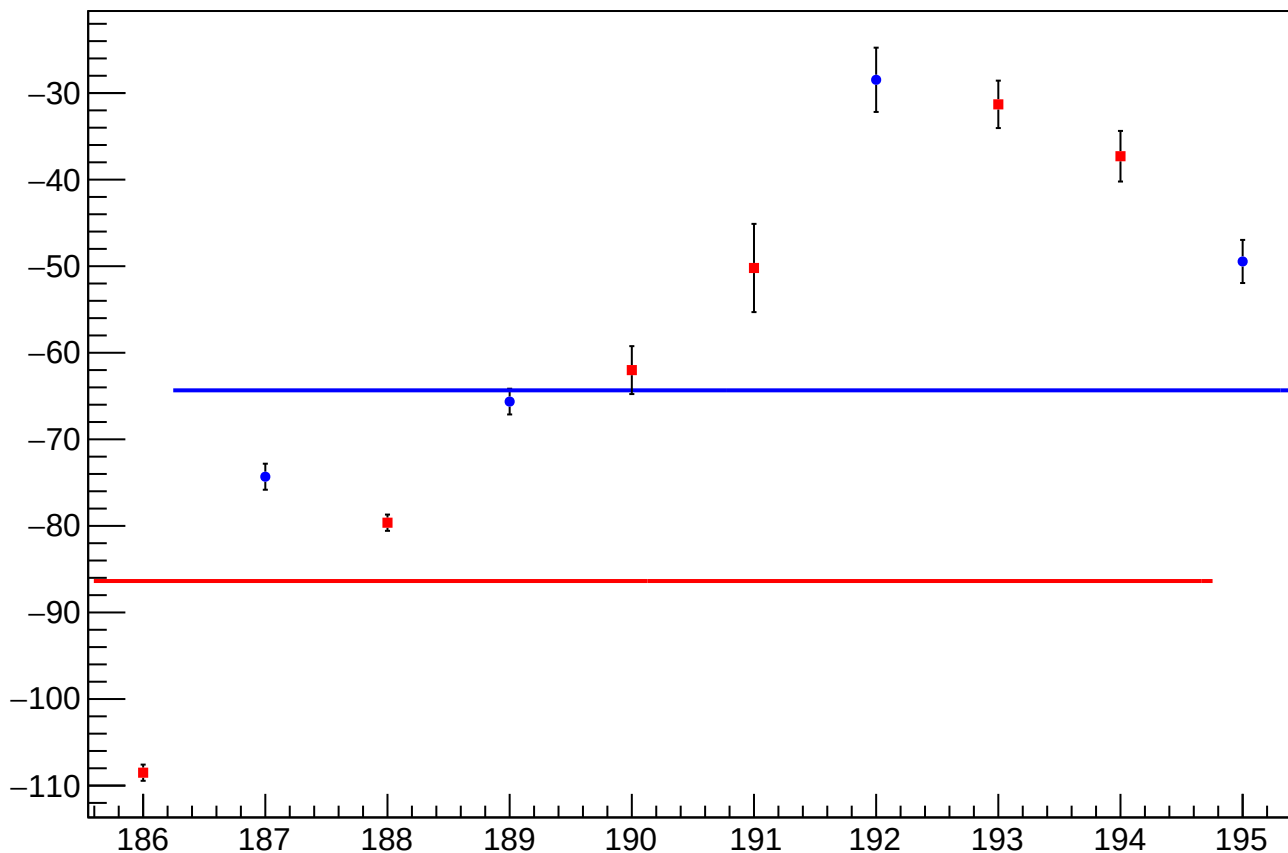
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -3.081 $\pm$ 0.794  $\chi^2$ /NDF: 68.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_3726\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -64.341 $\pm$ 0.941  $\chi^2$ /NDF: 173.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -86.368 $\pm$ 0.609  $\chi^2$ /NDF: 1425.3/5

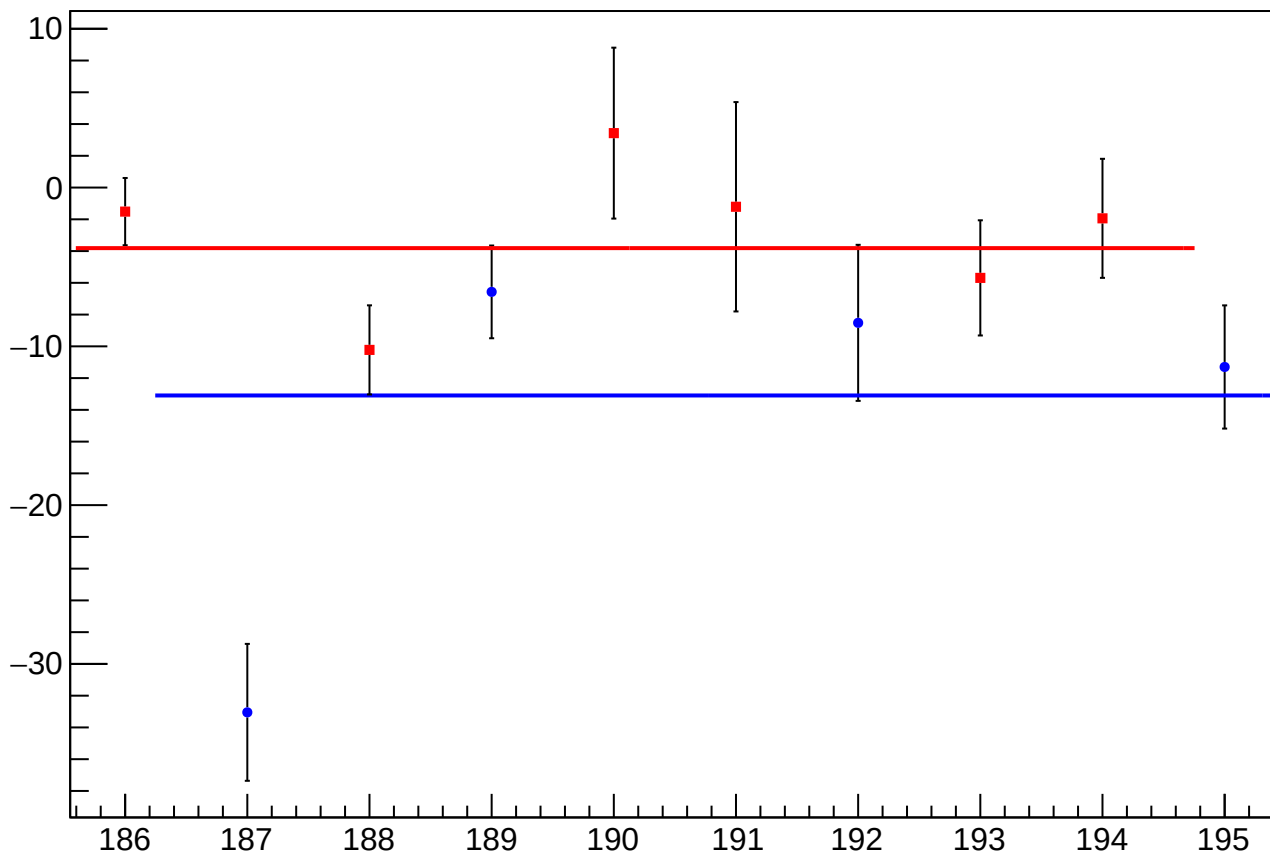
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -79.866 $\pm$ 0.511  $\chi^2$ /NDF: 1985.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_3726\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-13.094 \pm 1.893$   $\chi^2/\text{NDF}: 27.5/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-3.814 \pm 1.343$   $\chi^2/\text{NDF}: 8.9/5$

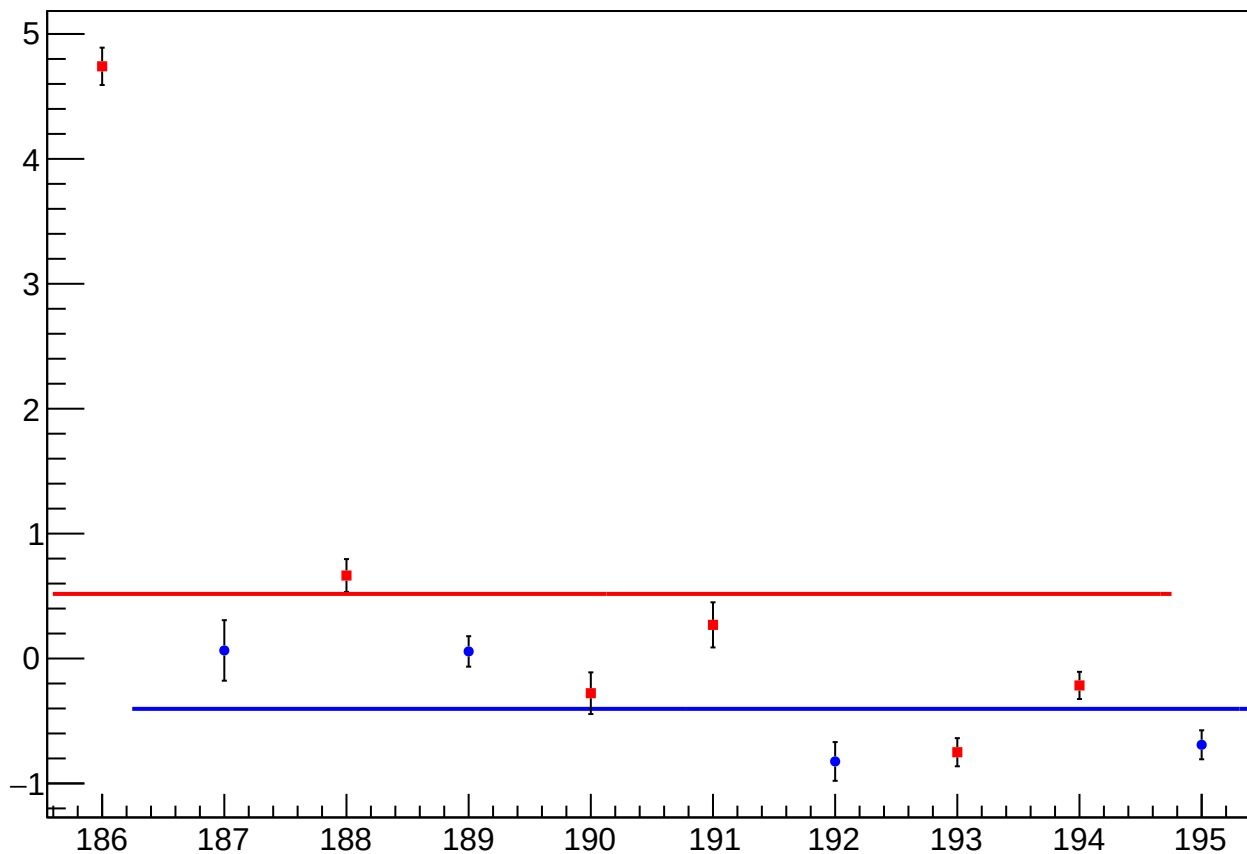
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-6.919 \pm 1.095$   $\chi^2/\text{NDF}: 52.4/9$

- 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:  $-0.403 \pm 0.071$   $\chi^2/\text{NDF}$ : 31.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.517 \pm 0.055$   $\chi^2/\text{NDF}$ : 997.3/5

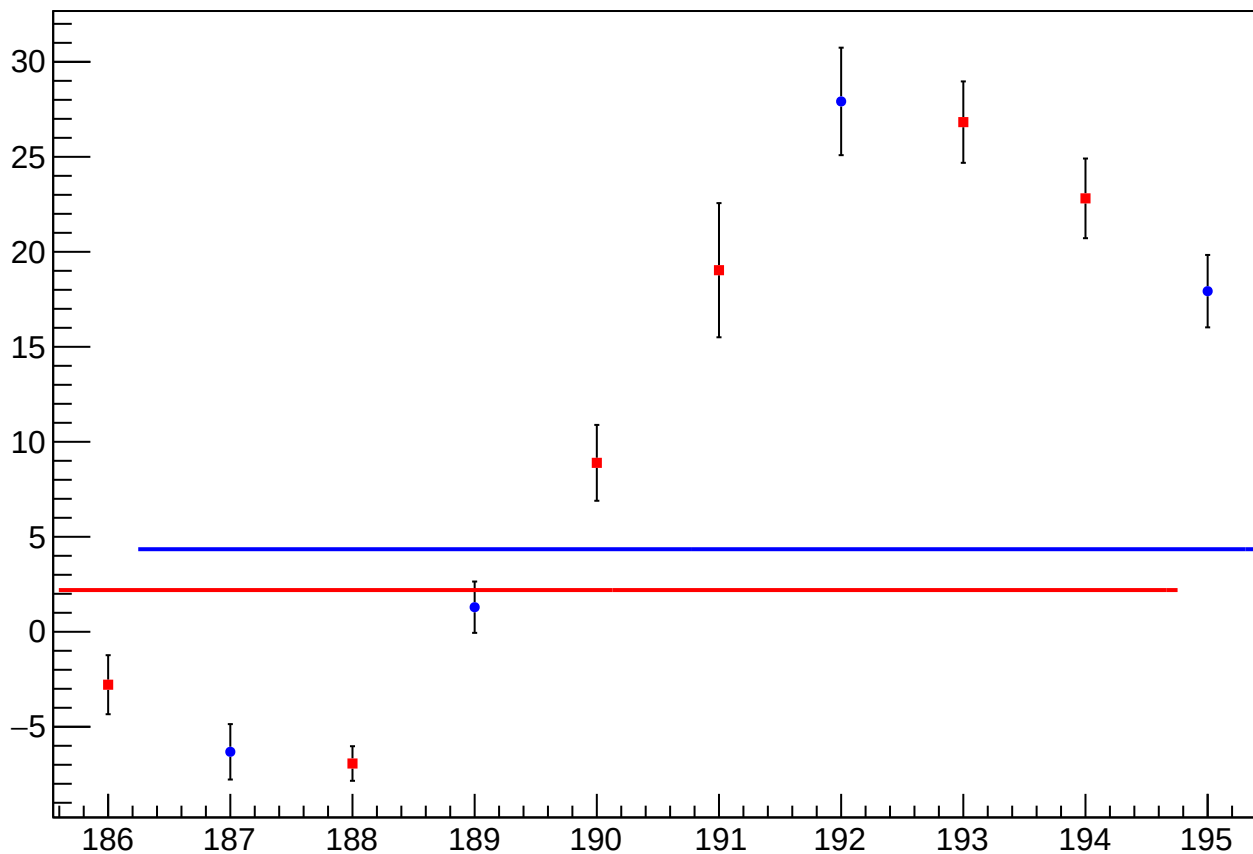
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.171 \pm 0.043$   $\chi^2/\text{NDF}$ : 1134.5/9

- 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: 4.346+/-0.840  $\chi^2/\text{NDF}$ : 178.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.196+/-0.646  $\chi^2/\text{NDF}$ : 373.7/5

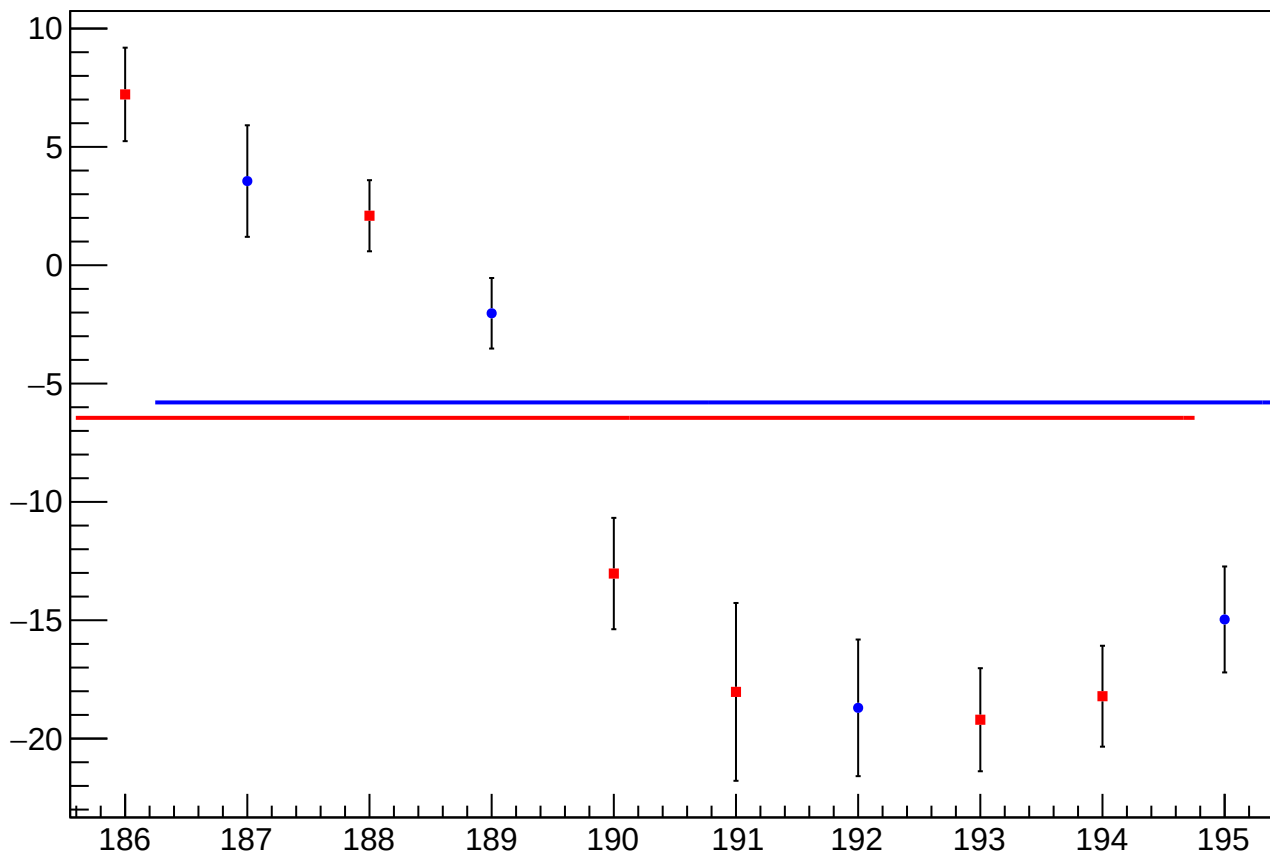
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.995+/-0.512  $\chi^2/\text{NDF}$ : 556.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -5.797 $\pm$ 1.026  $\chi^2$ /NDF: 58.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -6.448 $\pm$ 0.851  $\chi^2$ /NDF: 162.3/5

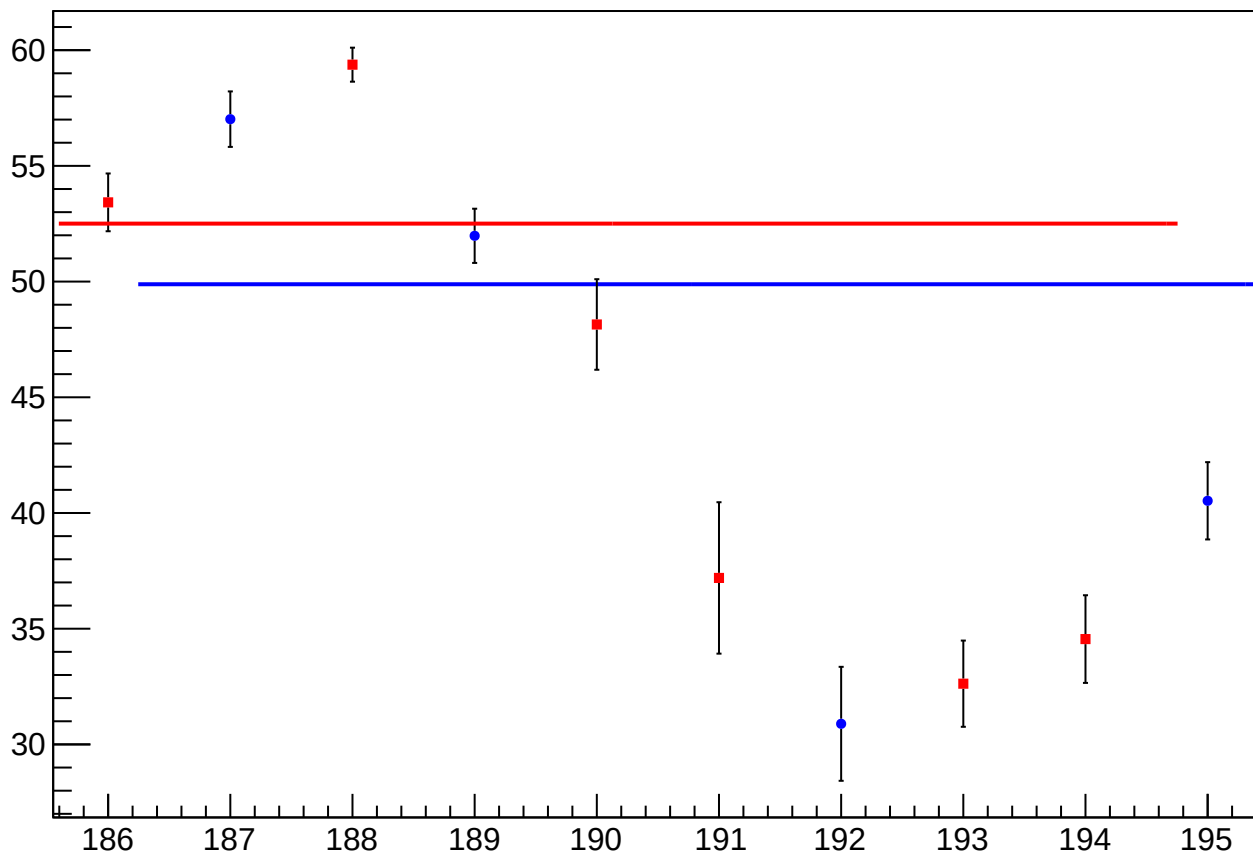
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -6.183 $\pm$ 0.655  $\chi^2$ /NDF: 221.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 49.885+/-0.716  $\chi^2/\text{NDF}$ : 129.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 52.505+/-0.541  $\chi^2/\text{NDF}$ : 318.4/5

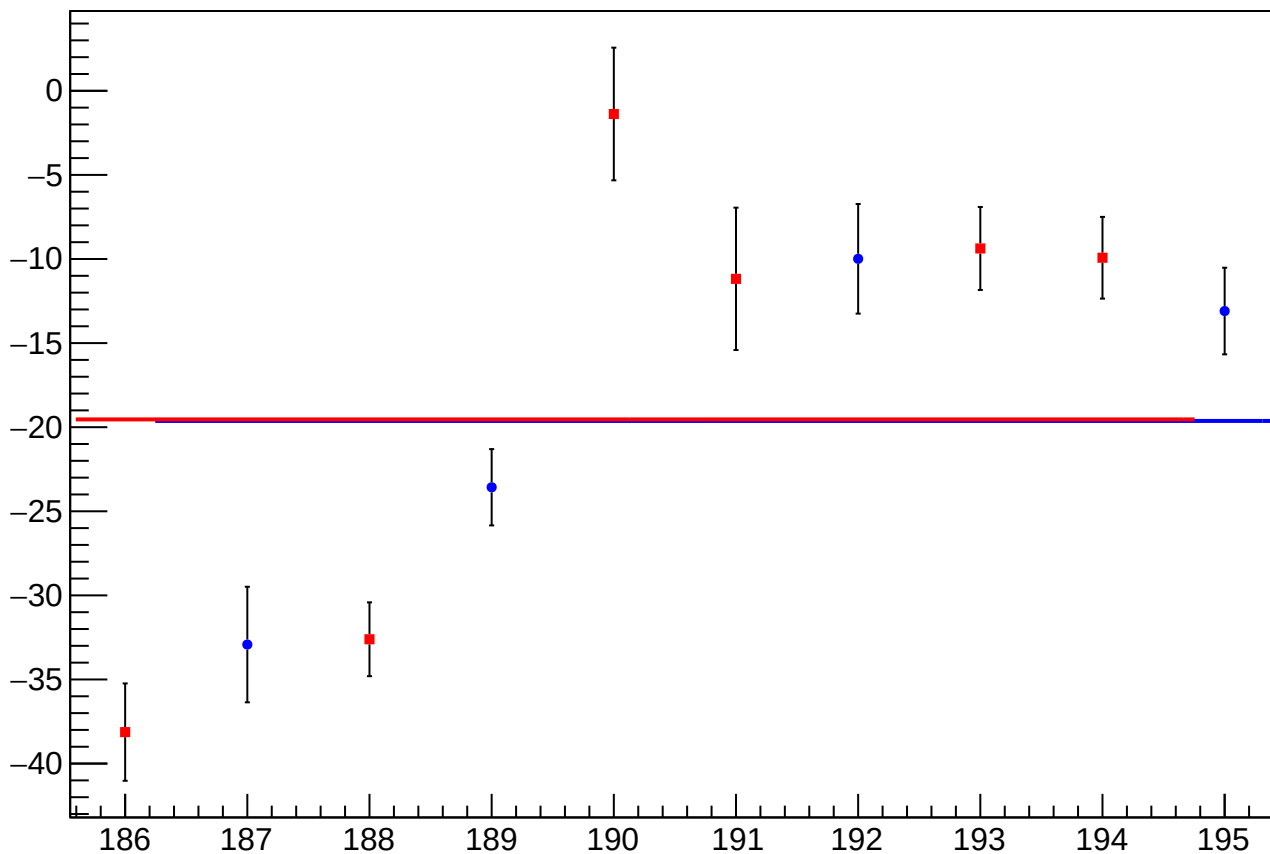
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 51.553+/-0.432  $\chi^2/\text{NDF}$ : 456.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: -19.628 $\pm$ 1.382  $\chi^2$ /NDF: 33.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -19.537 $\pm$ 1.132  $\chi^2$ /NDF: 134.4/5

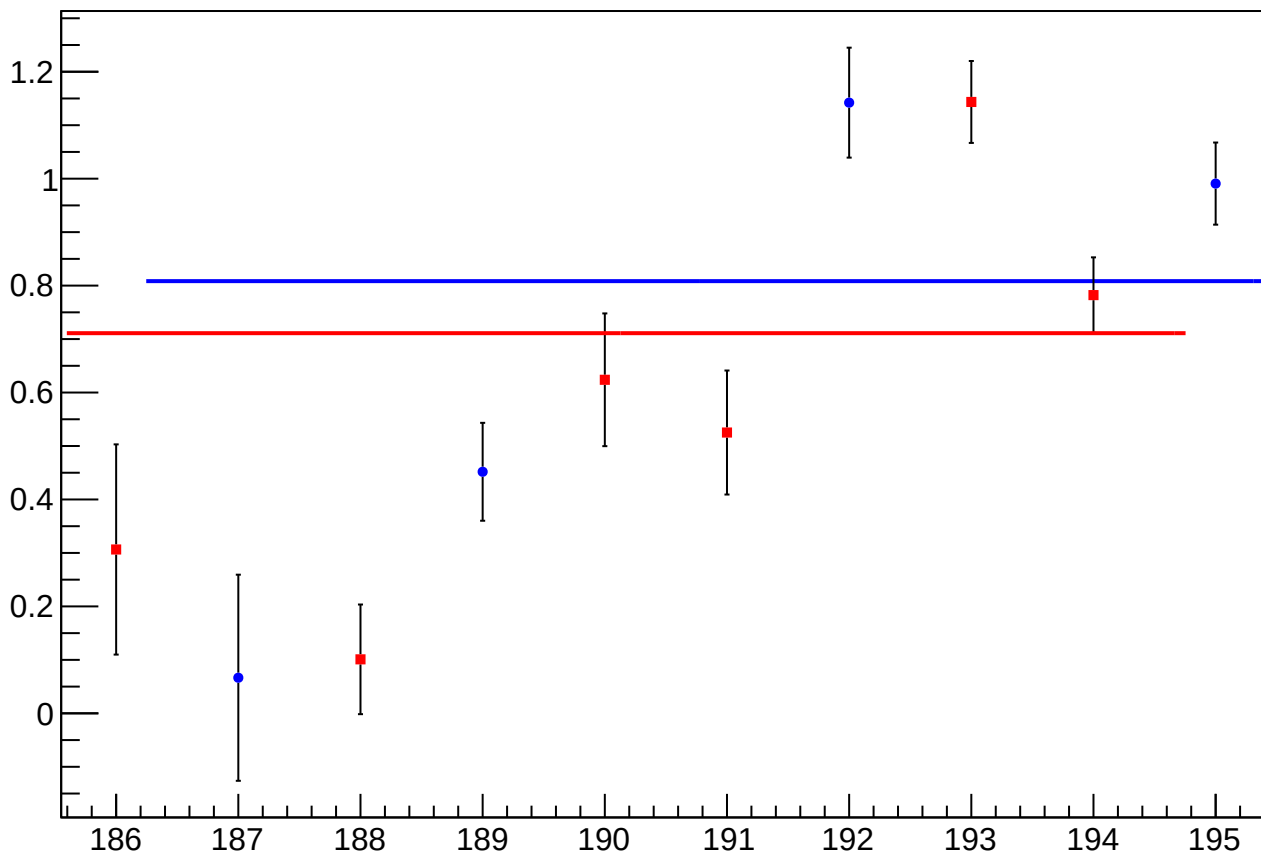
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -19.574 $\pm$ 0.876  $\chi^2$ /NDF: 167.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.808 $\pm$ 0.049  $\chi^2$ /NDF: 46.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.711 $\pm$ 0.040  $\chi^2$ /NDF: 75.6/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

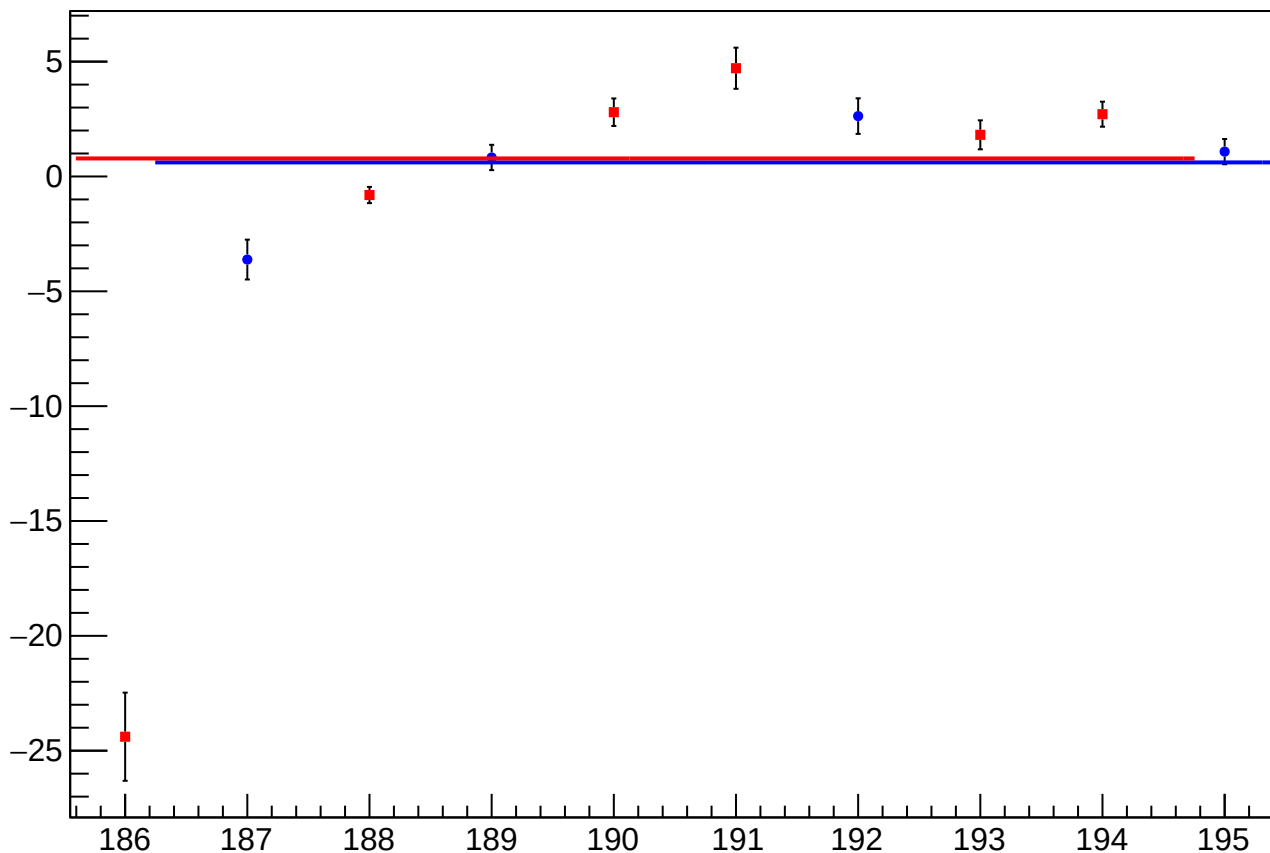
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.749 $\pm$ 0.031  $\chi^2$ /NDF: 124.1/9

- 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: 0.612 $\pm$ 0.323  $\chi^2$ /NDF: 31.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.785 $\pm$ 0.234  $\chi^2$ /NDF: 238.1/5

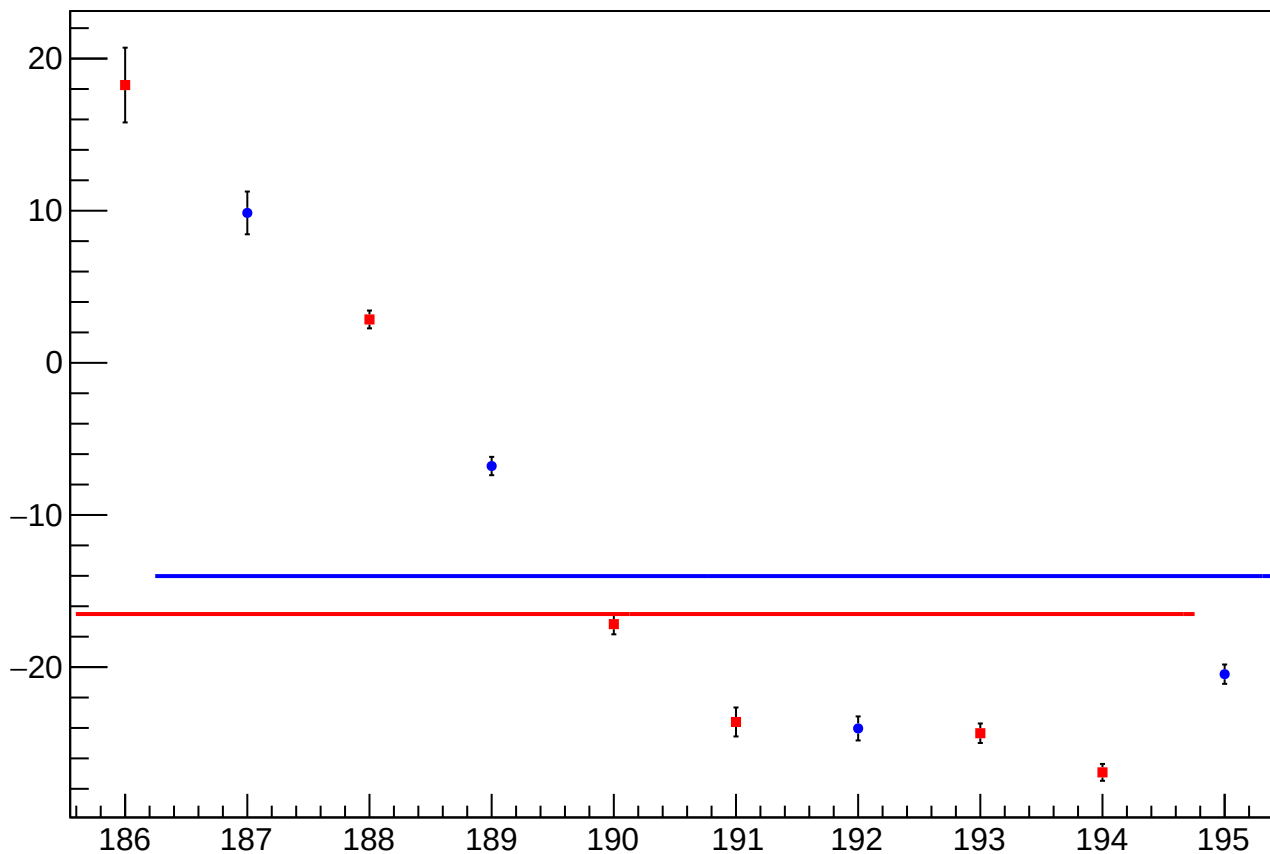
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.725 $\pm$ 0.190  $\chi^2$ /NDF: 269.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-14.017 \pm 0.369$   $\chi^2/\text{NDF}$ : 696.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-16.512 \pm 0.288$   $\chi^2/\text{NDF}$ : 1853.1/5

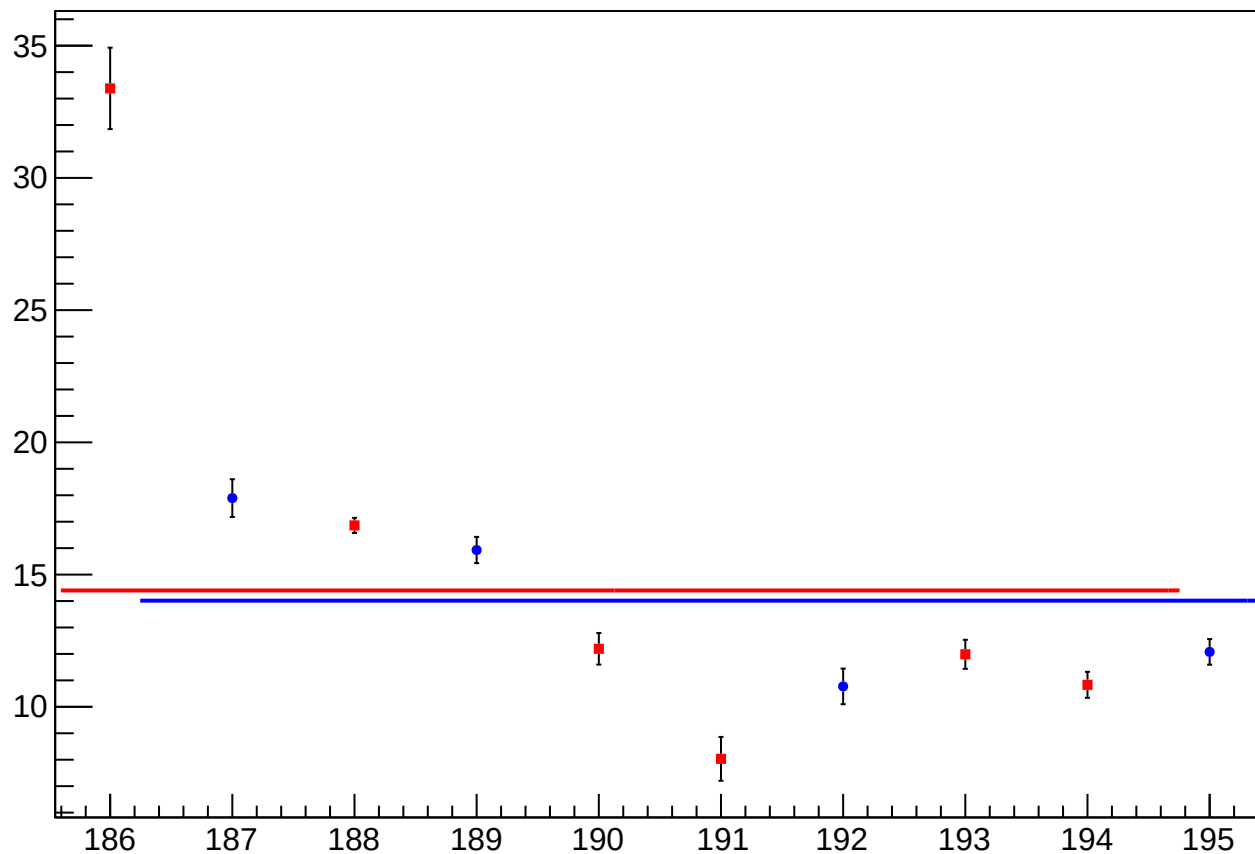
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-15.569 \pm 0.227$   $\chi^2/\text{NDF}$ : 2577.8/9

- 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: 14.014 $\pm$ 0.283  $\chi^2$ /NDF: 83.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 14.400 $\pm$ 0.202  $\chi^2$ /NDF: 370.8/5

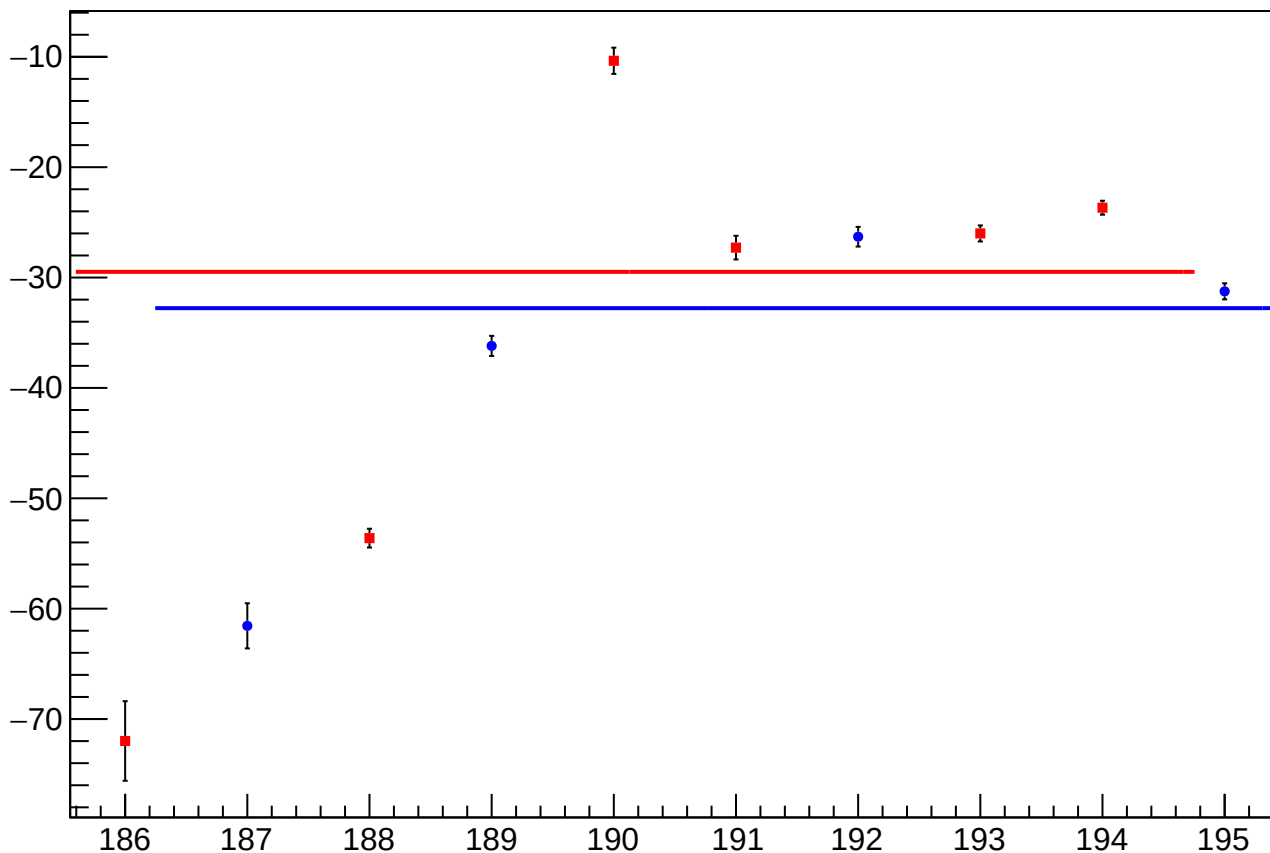
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 14.270 $\pm$ 0.165  $\chi^2$ /NDF: 455.5/9

- 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:  $-32.772 \pm 0.467$   $\chi^2/\text{NDF}$ : 269.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-29.483 \pm 0.367$   $\chi^2/\text{NDF}$ : 1314.5/5

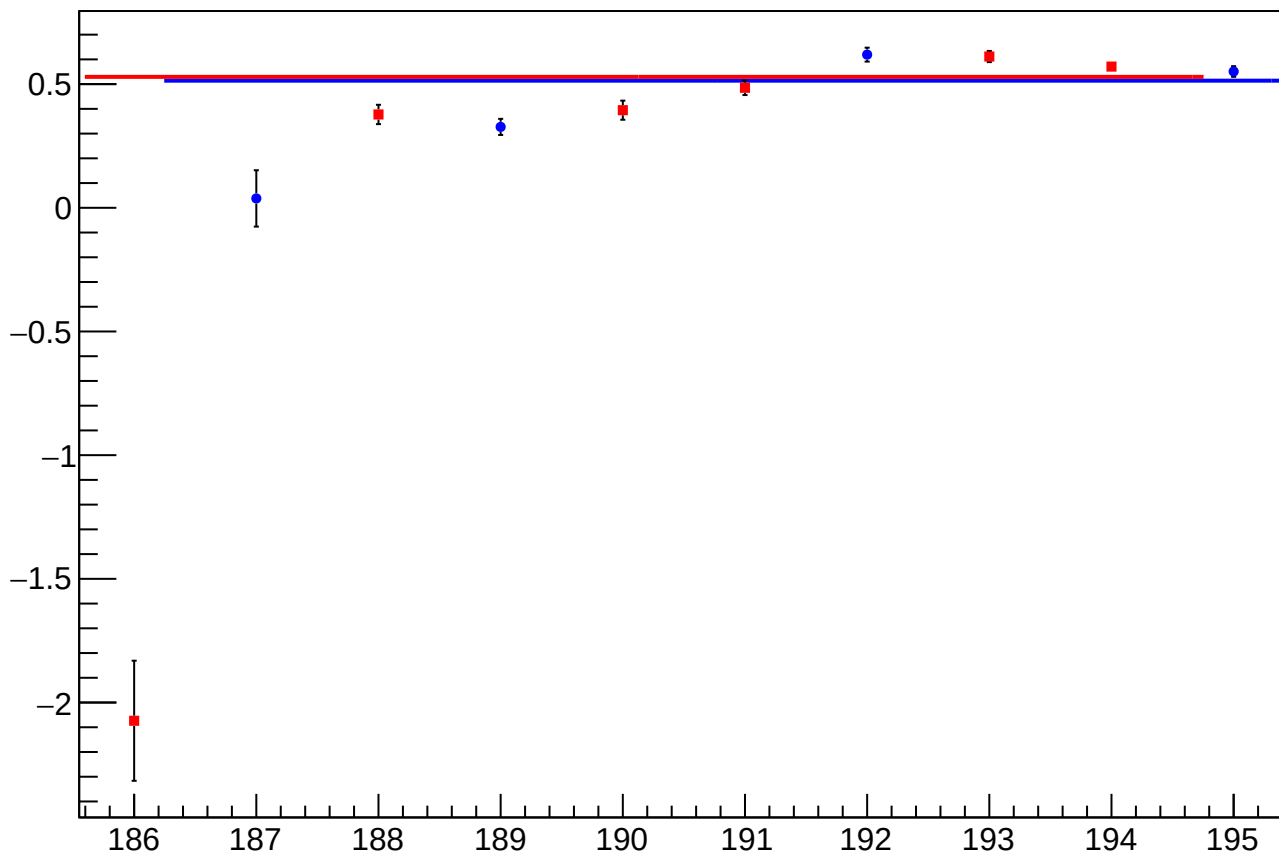
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-30.738 \pm 0.288$   $\chi^2/\text{NDF}$ : 1614.2/9

- 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: 0.514 $\pm$ 0.015  $\chi^2$ /NDF: 67.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.529 $\pm$ 0.012  $\chi^2$ /NDF: 162.9/5

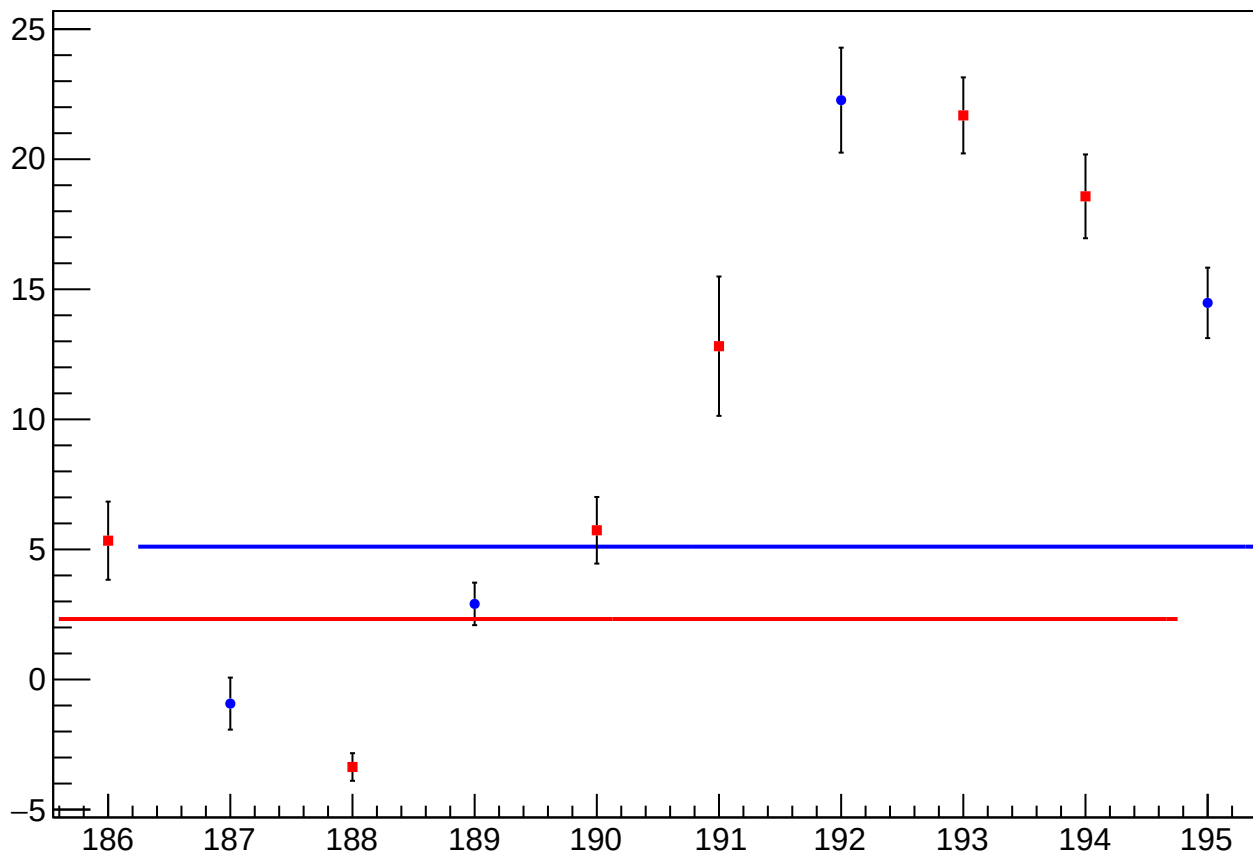
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.524 $\pm$ 0.009  $\chi^2$ /NDF: 230.9/9

- 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: 5.107 $\pm$ 0.552  $\chi^2$ /NDF: 163.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.325 $\pm$ 0.423  $\chi^2$ /NDF: 418.5/5

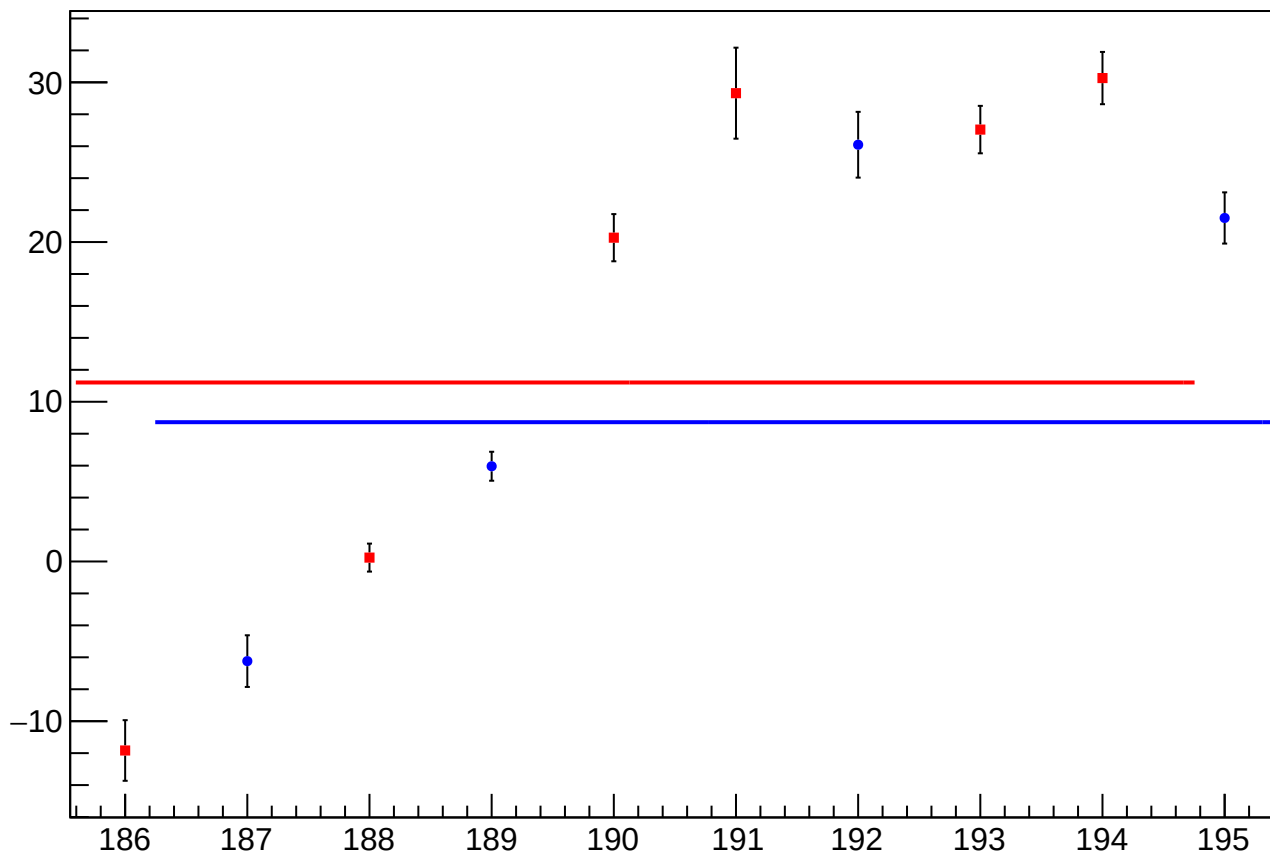
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.354 $\pm$ 0.336  $\chi^2$ /NDF: 598.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 8.721+/-0.671  $\chi^2/\text{NDF}$ : 229.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.207+/-0.579  $\chi^2/\text{NDF}$ : 631.2/5

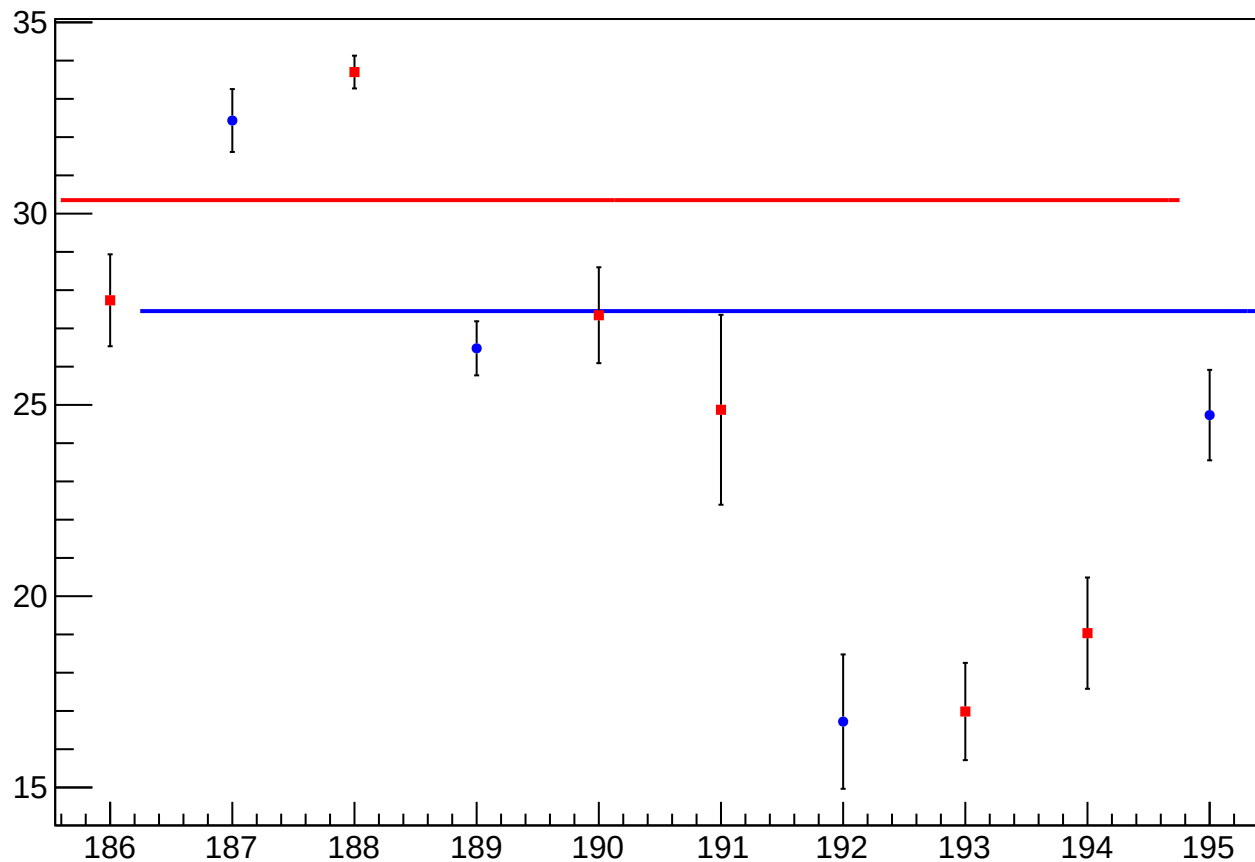
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.147+/-0.438  $\chi^2/\text{NDF}$ : 868.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 27.452 $\pm$ 0.470  $\chi^2$ /NDF: 81.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 30.353 $\pm$ 0.353  $\chi^2$ /NDF: 247.6/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

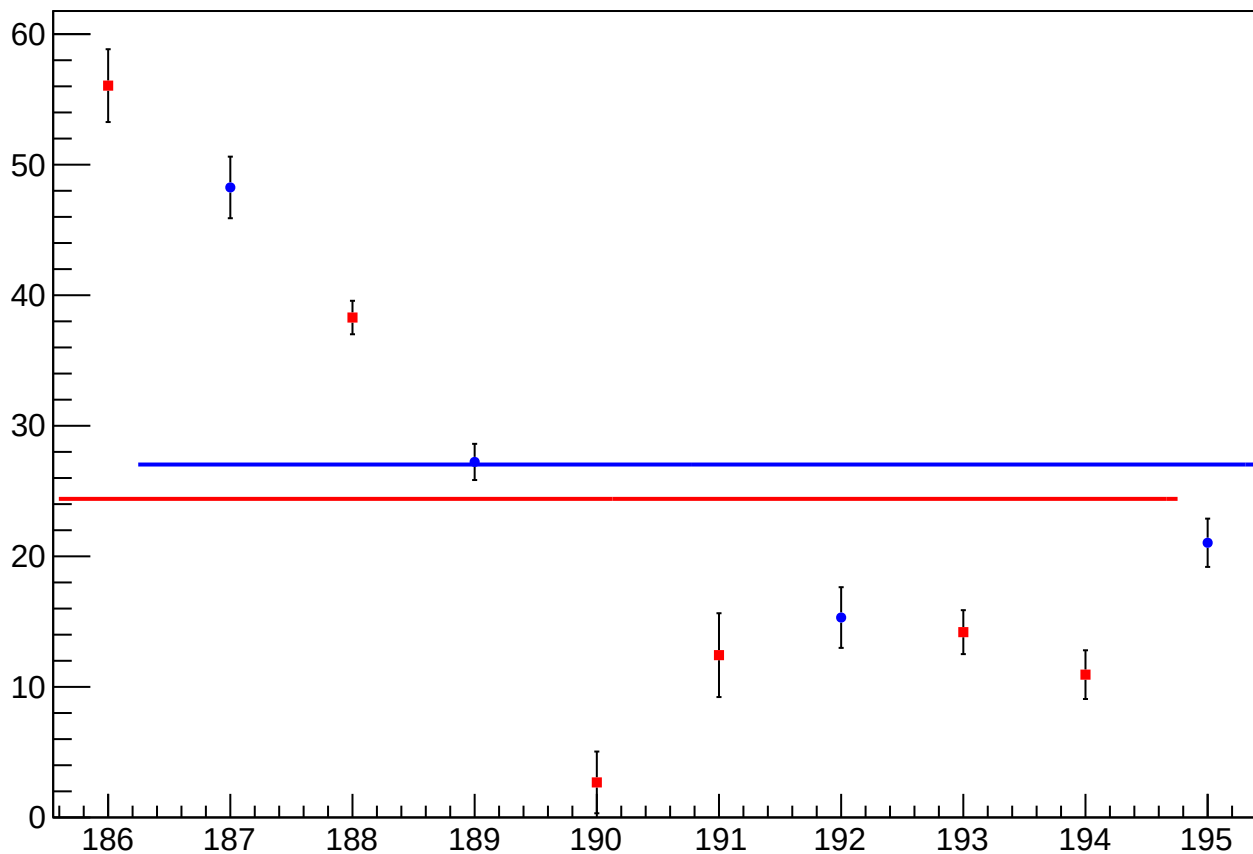
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 29.309 $\pm$ 0.282  $\chi^2$ /NDF: 353.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 27.033+/-0.921  $\chi^2$ /NDF: 117.0/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 24.402+/-0.778  $\chi^2$ /NDF: 433.3/5

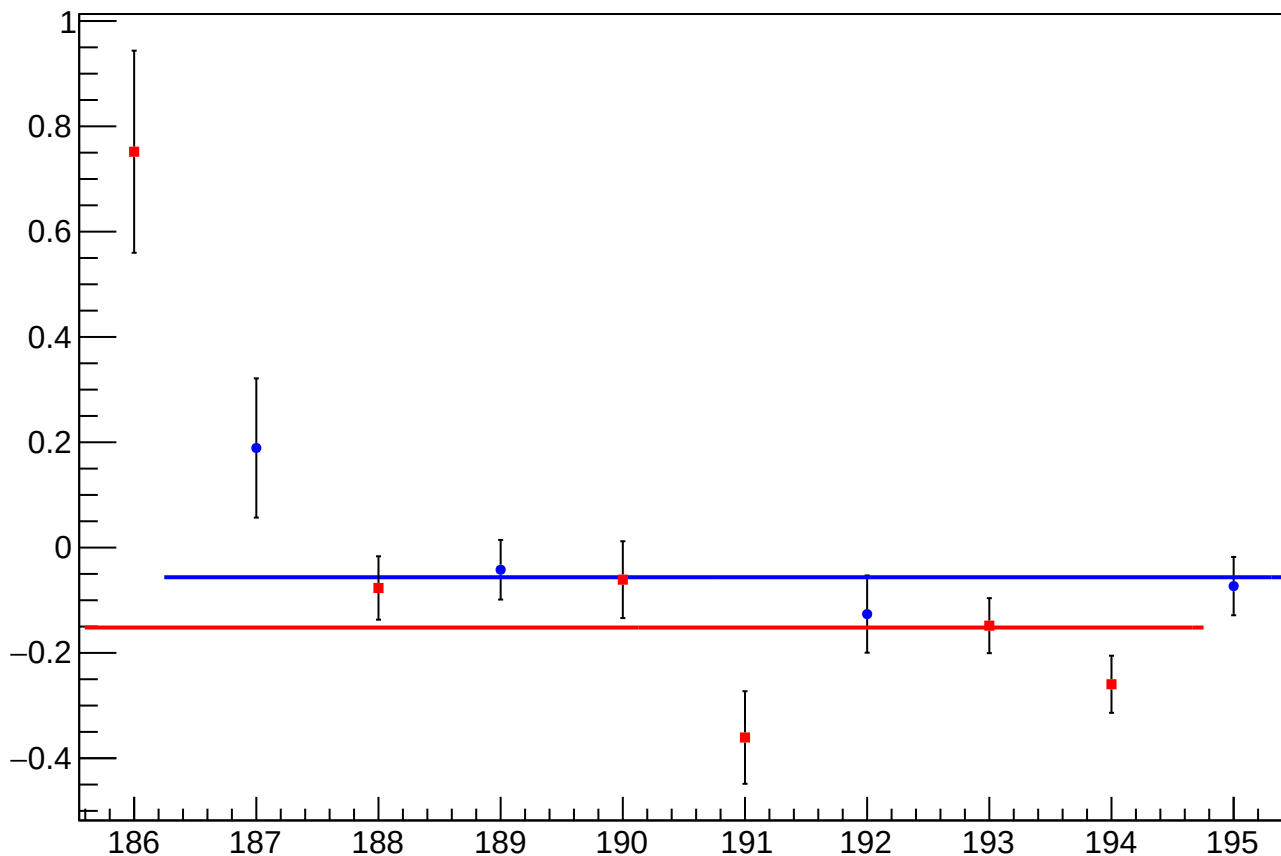
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 25.497+/-0.594  $\chi^2$ /NDF: 555.0/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_26\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.056 \pm 0.034$   $\chi^2/\text{NDF}$ : 4.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.152 \pm 0.027$   $\chi^2/\text{NDF}$ : 34.9/5

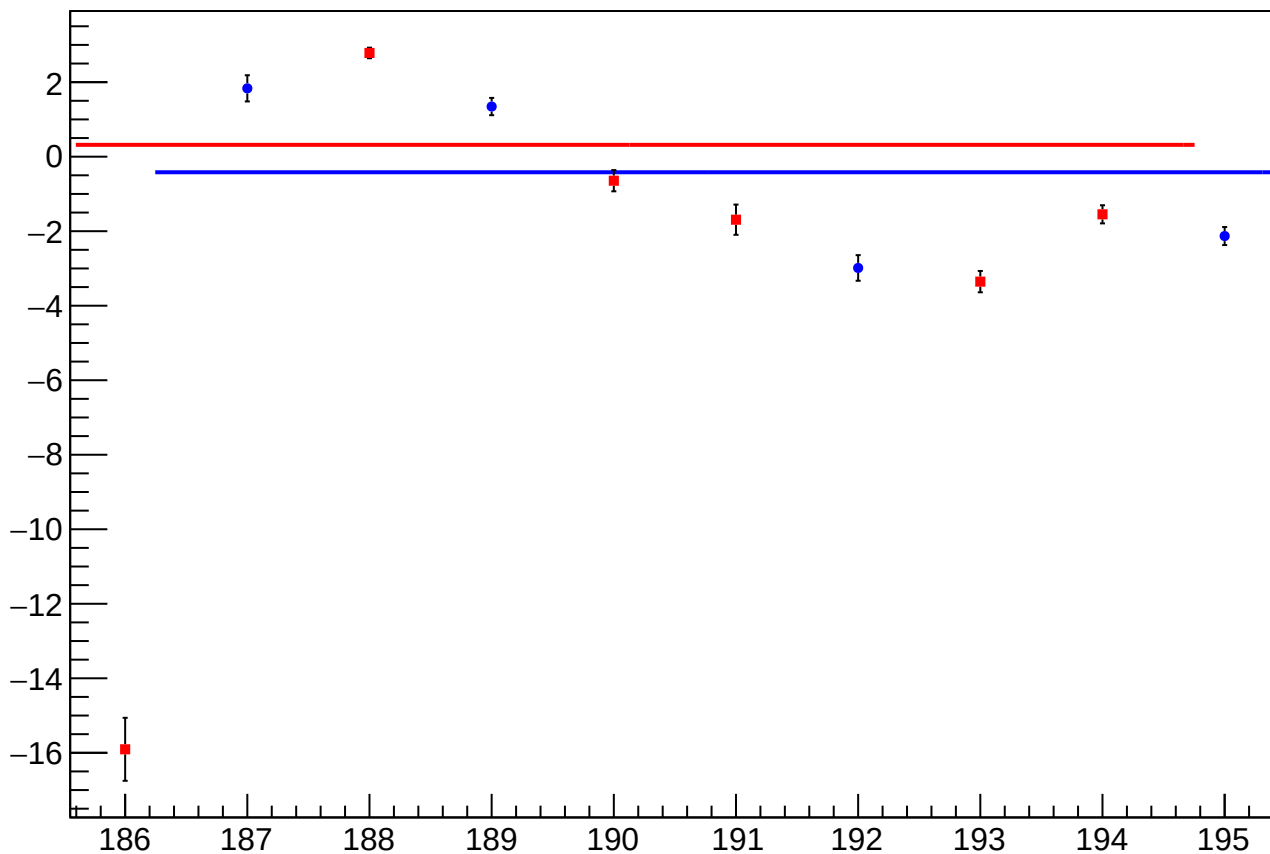
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.114 \pm 0.021$   $\chi^2/\text{NDF}$ : 44.2/9

- 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:  $-0.418 \pm 0.138$   $\chi^2/\text{NDF}$ : 204.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.318 \pm 0.101$   $\chi^2/\text{NDF}$ : 931.2/5

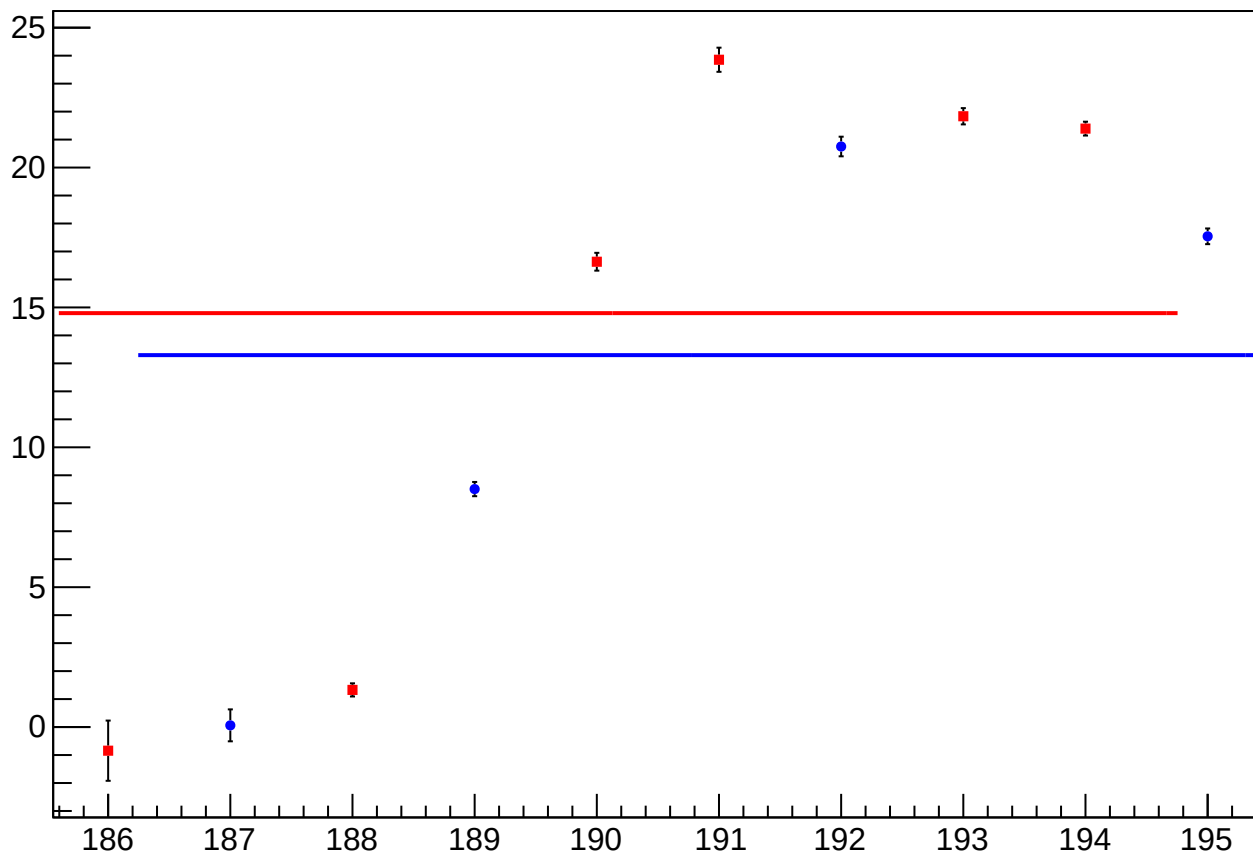
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.064 \pm 0.081$   $\chi^2/\text{NDF}$ : 1154.3/9

- 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: 13.295 $\pm$ 0.159  $\chi^2$ /NDF: 1572.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 14.796 $\pm$ 0.127  $\chi^2$ /NDF: 5265.6/5

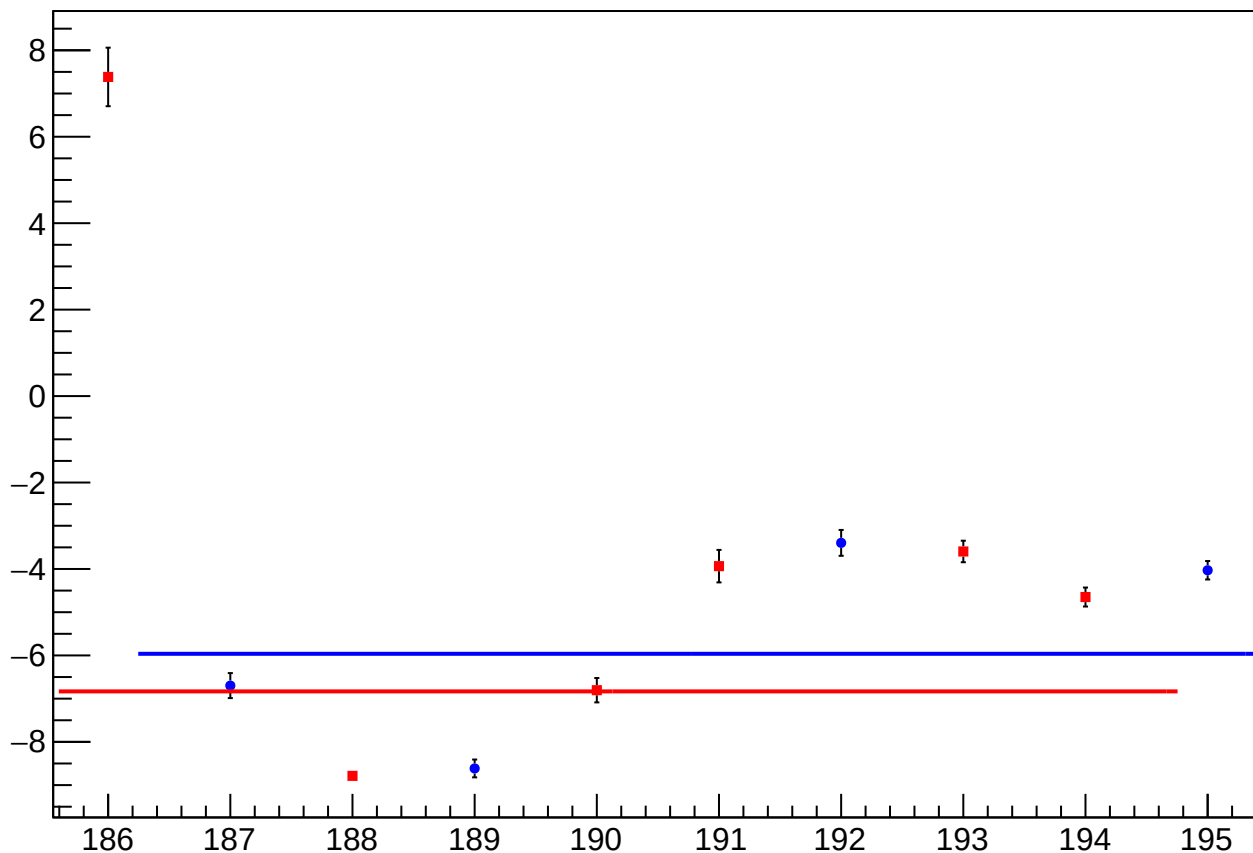
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 14.215 $\pm$ 0.099  $\chi^2$ /NDF: 6892.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: -5.962 $\pm$ 0.121  $\chi^2$ /NDF: 327.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -6.832 $\pm$ 0.086  $\chi^2$ /NDF: 1059.9/5

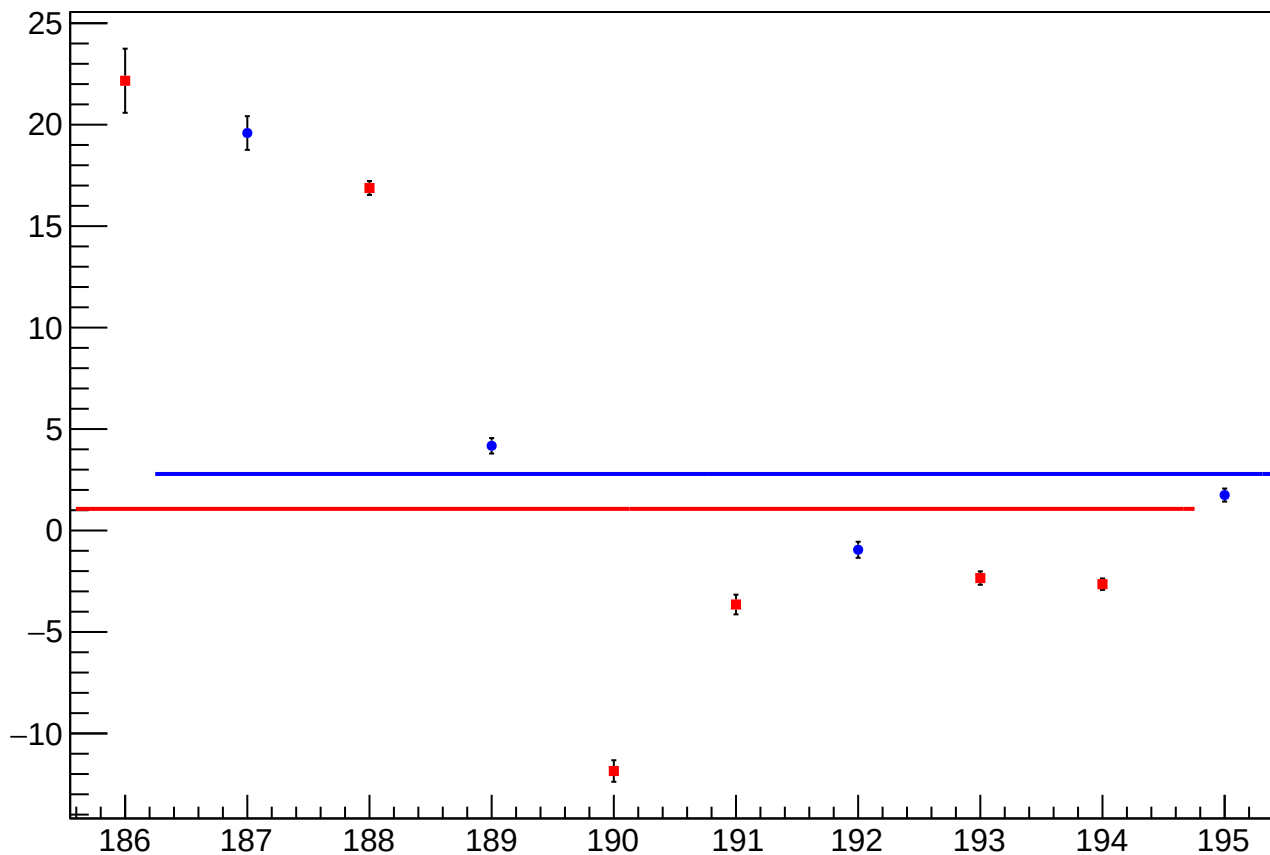
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -6.539 $\pm$ 0.070  $\chi^2$ /NDF: 1421.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 2.787 $\pm$ 0.203  $\chi^2$ /NDF: 521.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.066 $\pm$ 0.161  $\chi^2$ /NDF: 3282.3/5

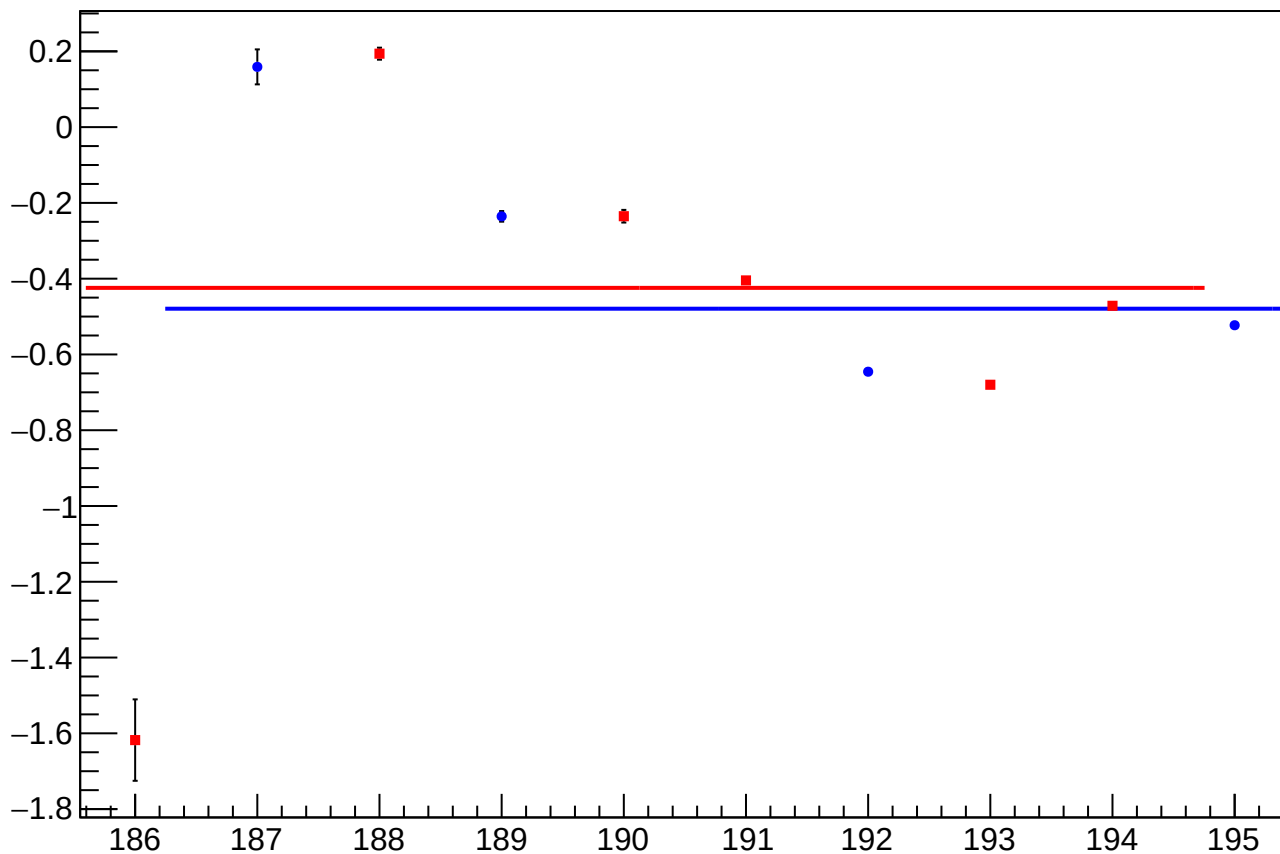
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.734 $\pm$ 0.126  $\chi^2$ /NDF: 3847.8/9

- 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: -0.479 $\pm$ 0.007  $\chi^2$ /NDF: 693.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.424 $\pm$ 0.005  $\chi^2$ /NDF: 2433.9/5

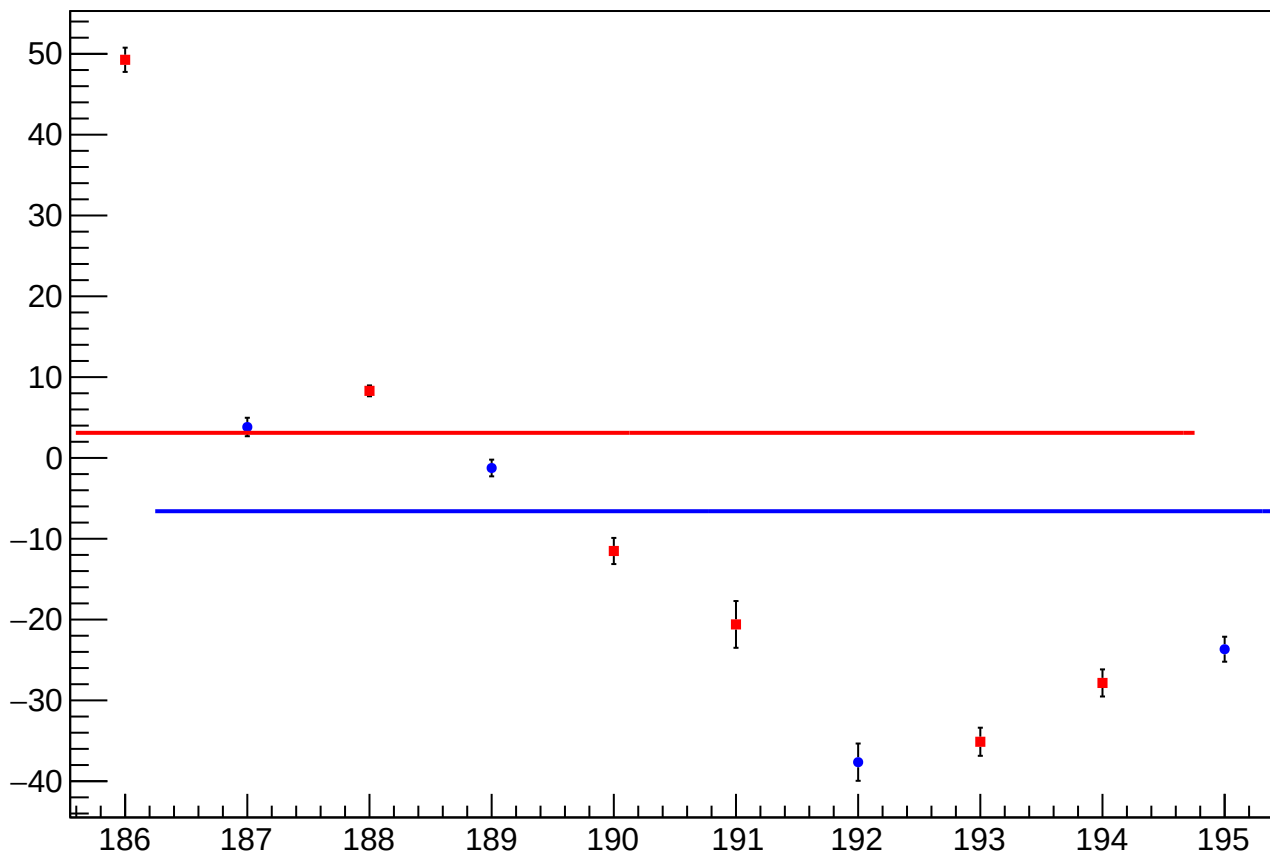
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.445 $\pm$ 0.004  $\chi^2$ /NDF: 3170.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1357\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -6.592 $\pm$ 0.658  $\chi^2$ /NDF: 413.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.107 $\pm$ 0.509  $\chi^2$ /NDF: 1979.7/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

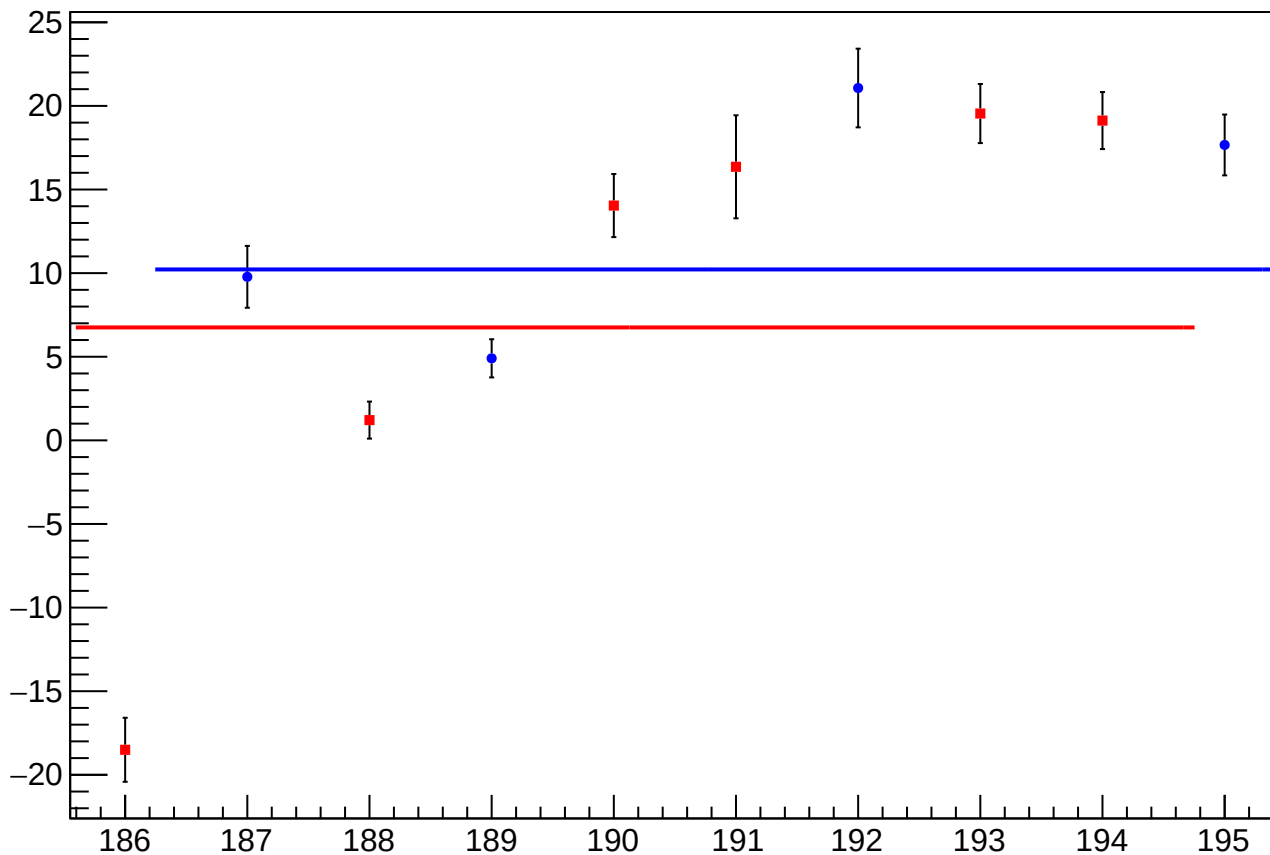
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.528 $\pm$ 0.403  $\chi^2$ /NDF: 2529.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 10.220 $\pm$ 0.805  $\chi^2$ /NDF: 59.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.753 $\pm$ 0.684  $\chi^2$ /NDF: 328.8/5

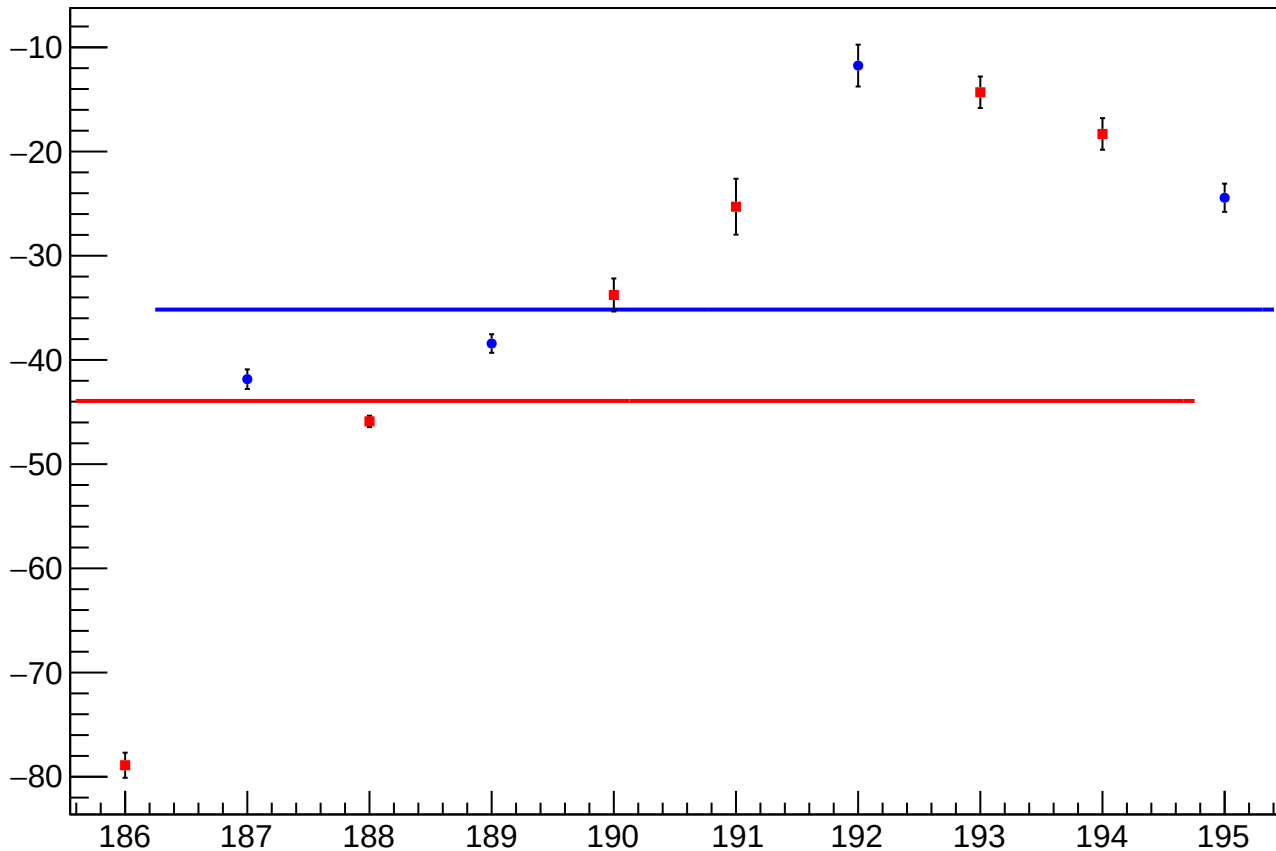
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 8.206 $\pm$ 0.521  $\chi^2$ /NDF: 399.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -35.167+/-0.560  $\chi^2/\text{NDF}$ : 262.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -43.933+/-0.426  $\chi^2/\text{NDF}$ : 1613.6/5

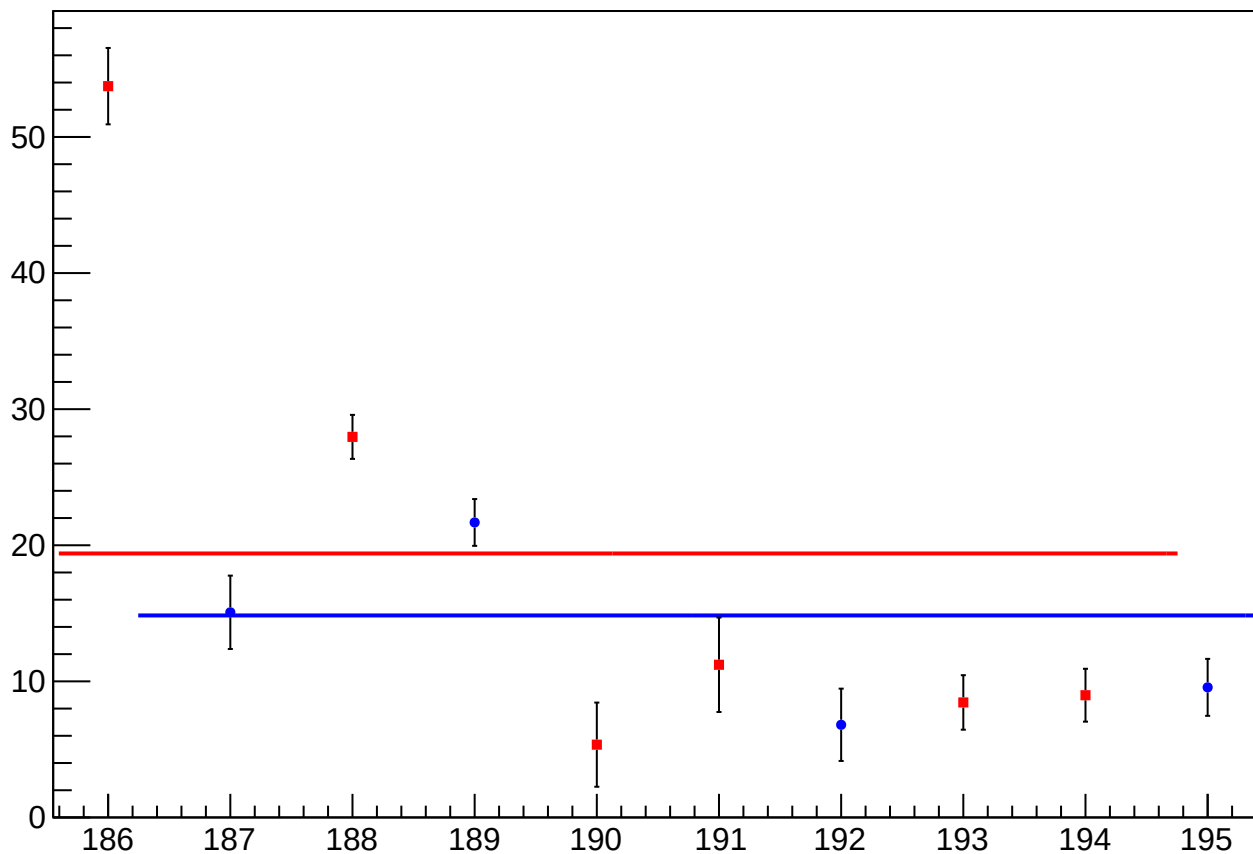
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -40.718+/-0.339  $\chi^2/\text{NDF}$ : 2031.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 14.843 $\pm$ 1.087  $\chi^2$ /NDF: 31.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 19.397 $\pm$ 0.909  $\chi^2$ /NDF: 262.6/5

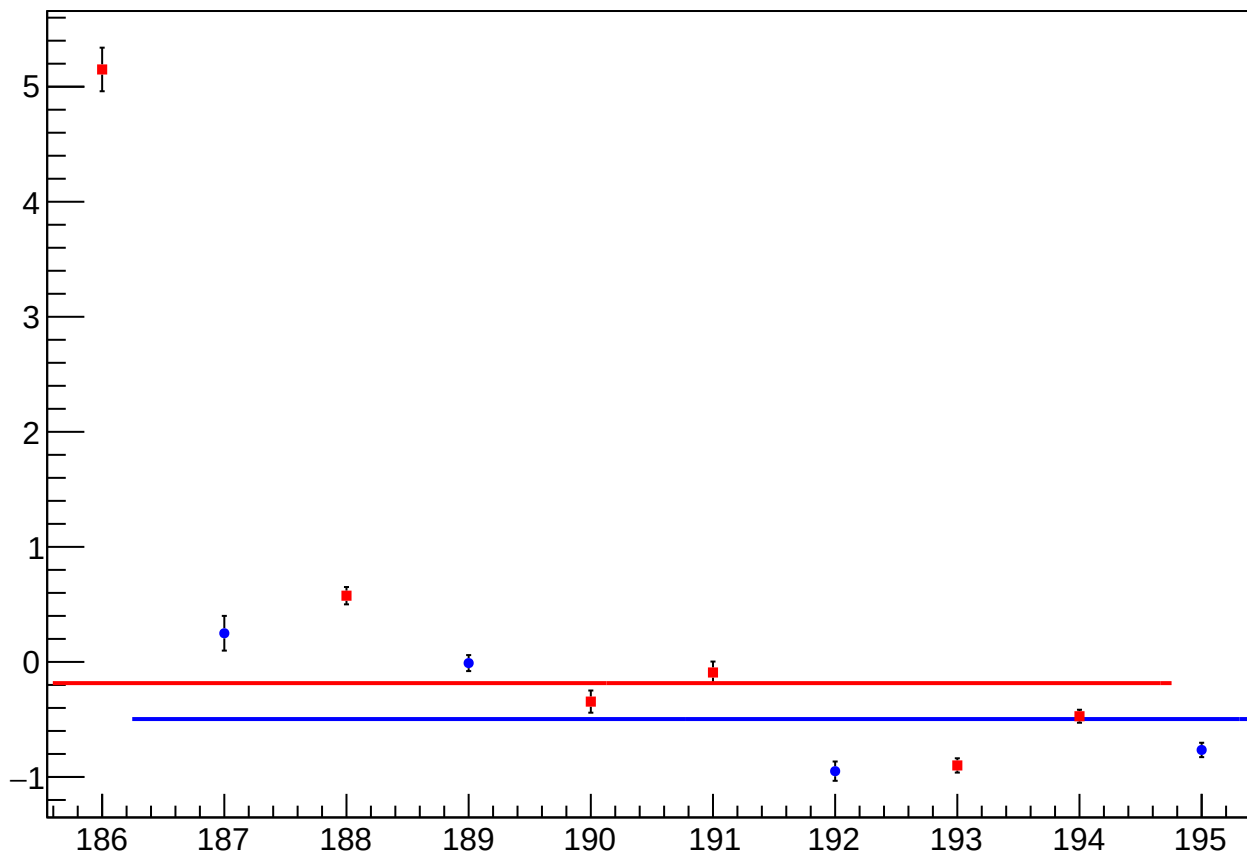
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.524 $\pm$ 0.697  $\chi^2$ /NDF: 304.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.497 \pm 0.039$   $\chi^2/\text{NDF}$ : 121.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.184 \pm 0.032$   $\chi^2/\text{NDF}$ : 1056.9/5

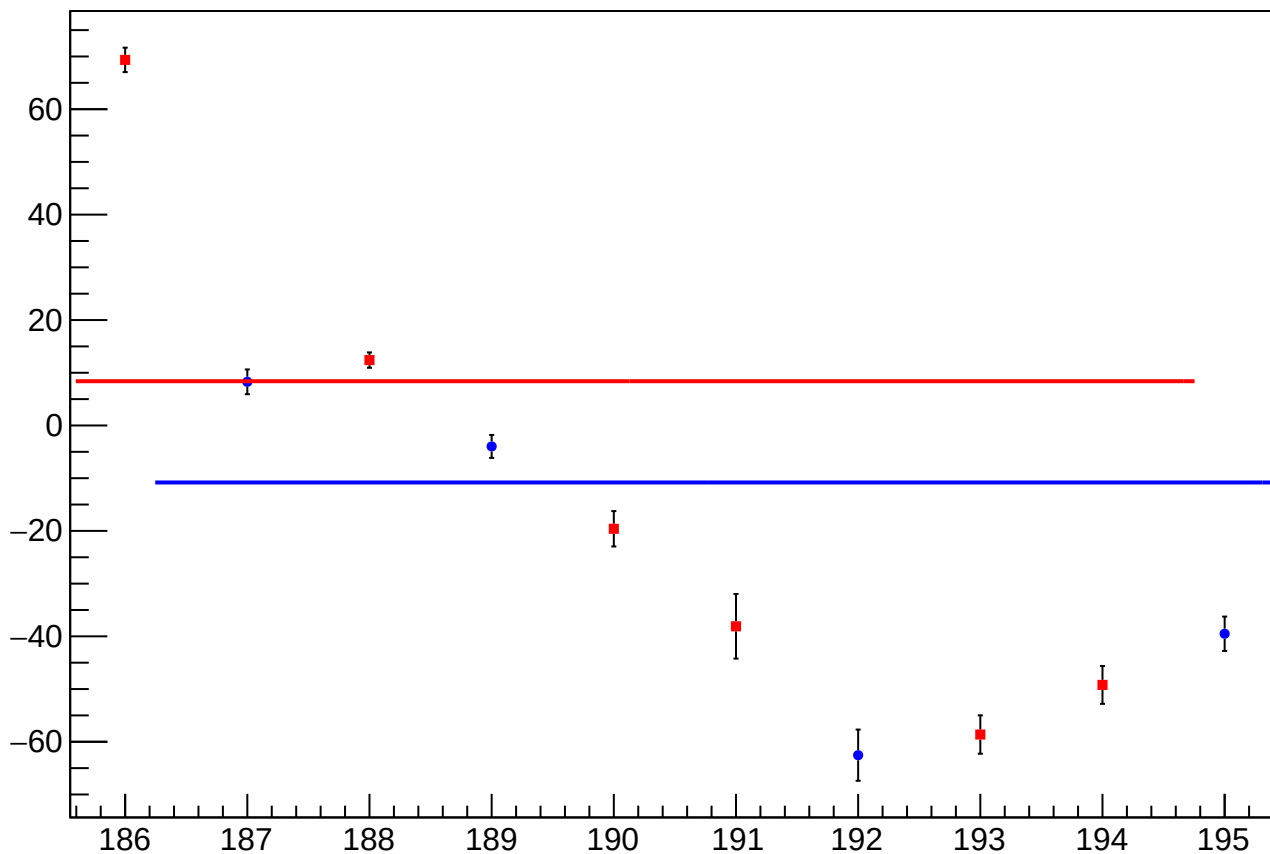
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.308 \pm 0.025$   $\chi^2/\text{NDF}$ : 1216.2/9

- 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: -10.813+/-1.376  $\chi^2/\text{NDF}$ : 266.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.397+/-1.039  $\chi^2/\text{NDF}$ : 1422.4/5

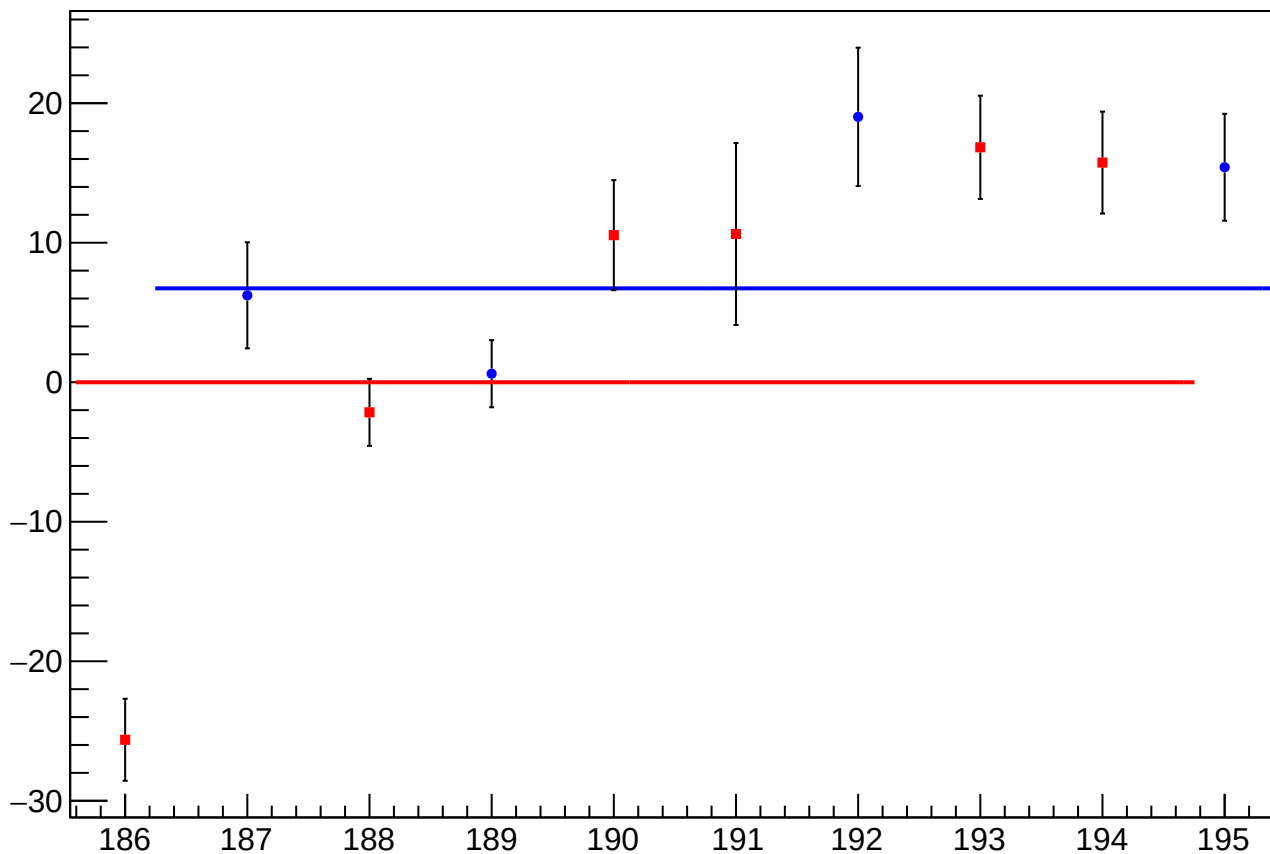
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.416+/-0.829  $\chi^2/\text{NDF}$ : 1813.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 6.730 $\pm$ 1.689  $\chi^2$ /NDF: 17.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.003 $\pm$ 1.381  $\chi^2$ /NDF: 125.9/5

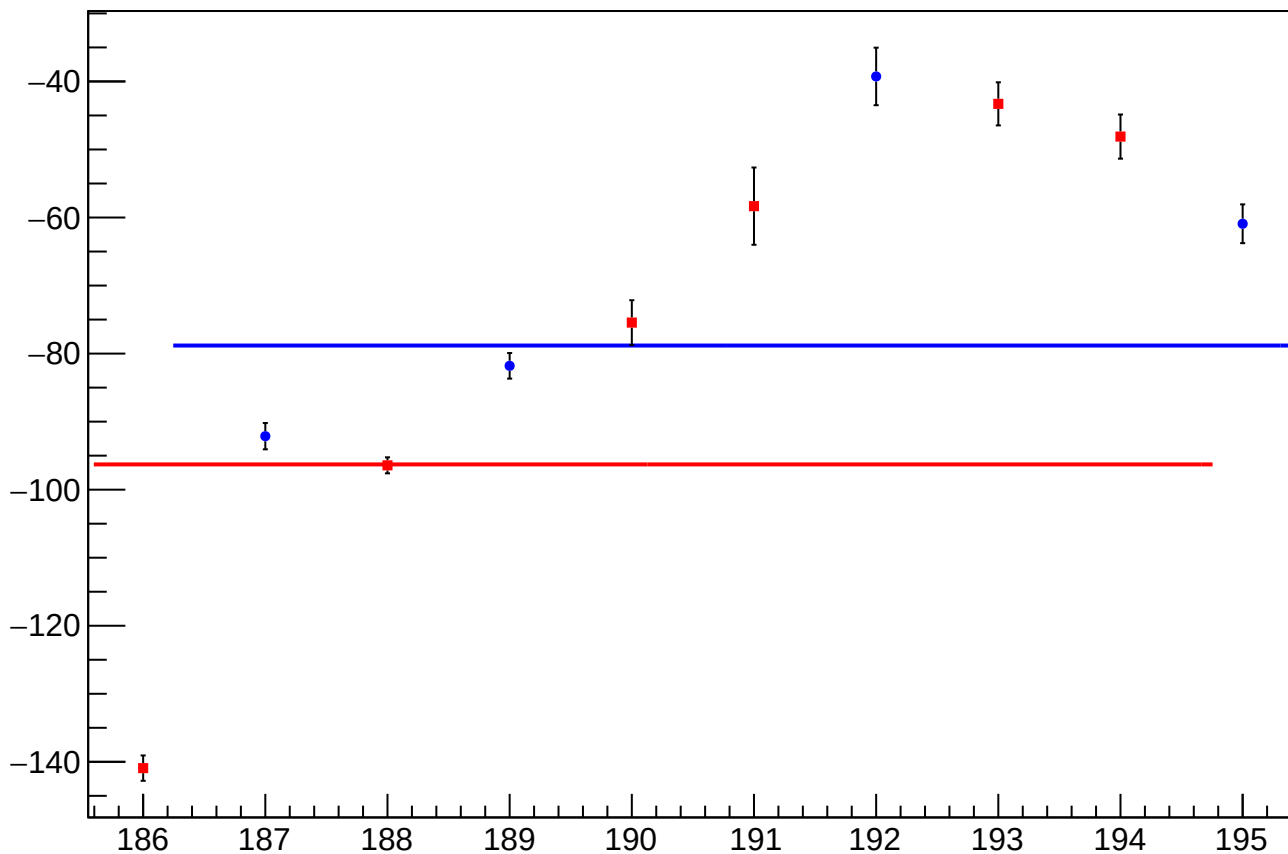
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.695 $\pm$ 1.069  $\chi^2$ /NDF: 153.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -78.816 $\pm$ 1.170  $\chi^2$ /NDF: 176.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -96.288 $\pm$ 0.867  $\chi^2$ /NDF: 1159.8/5

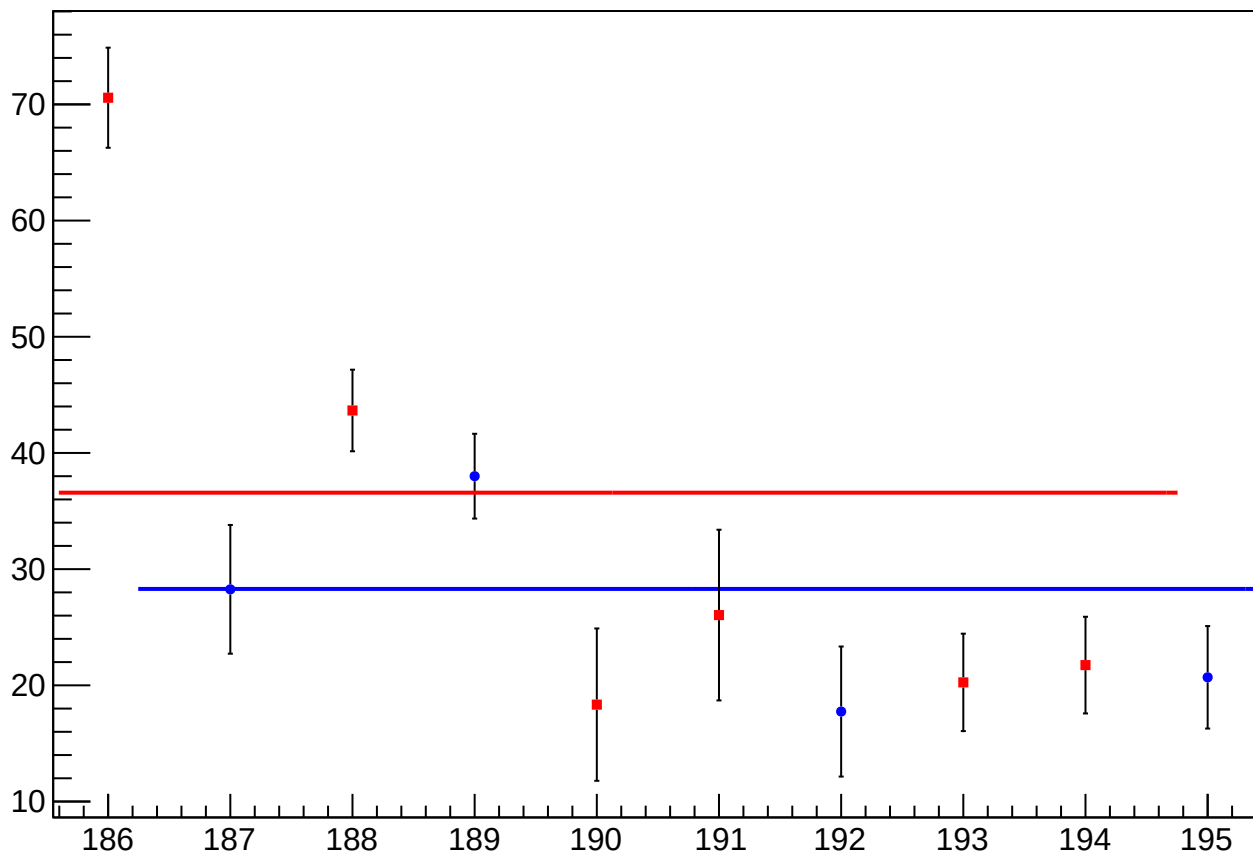
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -90.095 $\pm$ 0.697  $\chi^2$ /NDF: 1480.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 28.297 $\pm$ 2.288  $\chi^2$ /NDF: 13.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 36.582 $\pm$ 1.852  $\chi^2$ /NDF: 104.0/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

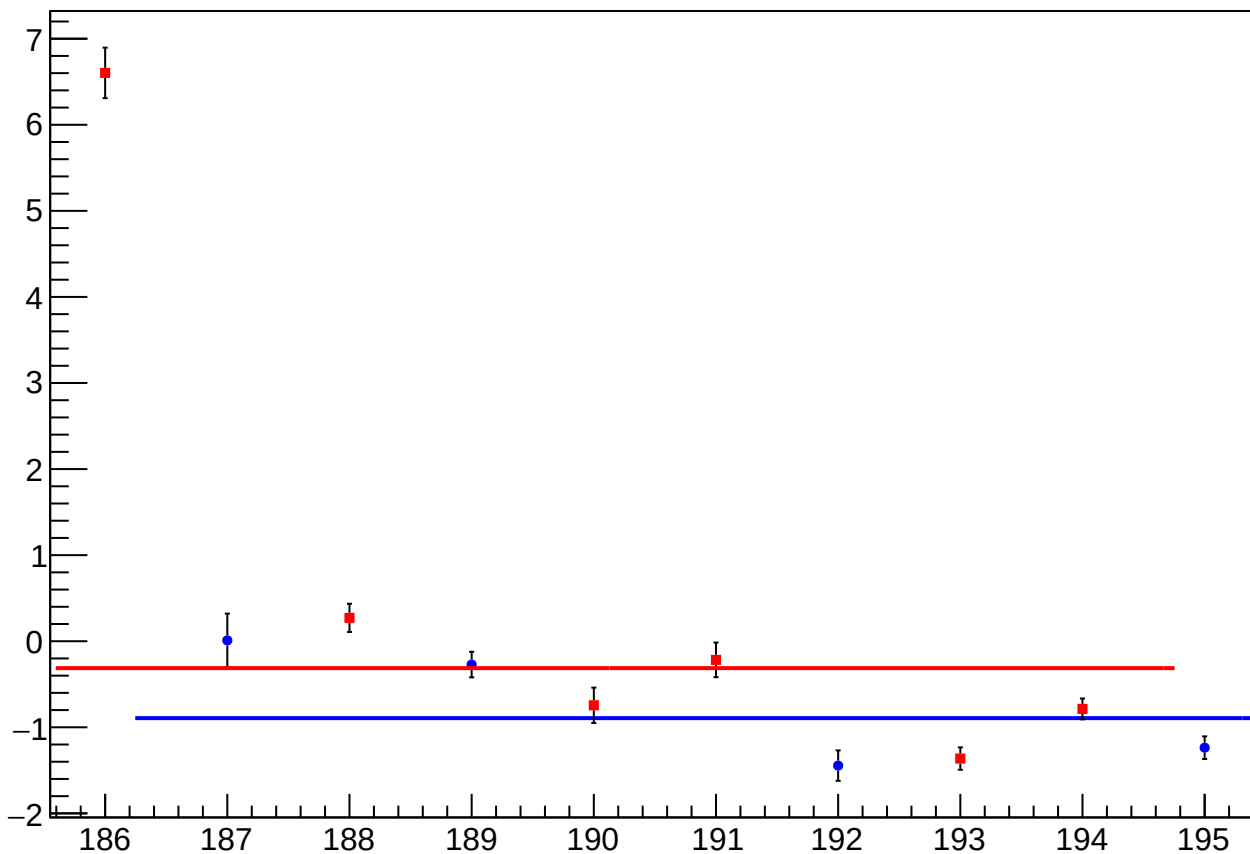
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 33.302 $\pm$ 1.440  $\chi^2$ /NDF: 125.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.894 \pm 0.083$   $\chi^2/\text{NDF}$ : 42.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.313 \pm 0.067$   $\chi^2/\text{NDF}$ : 654.0/5

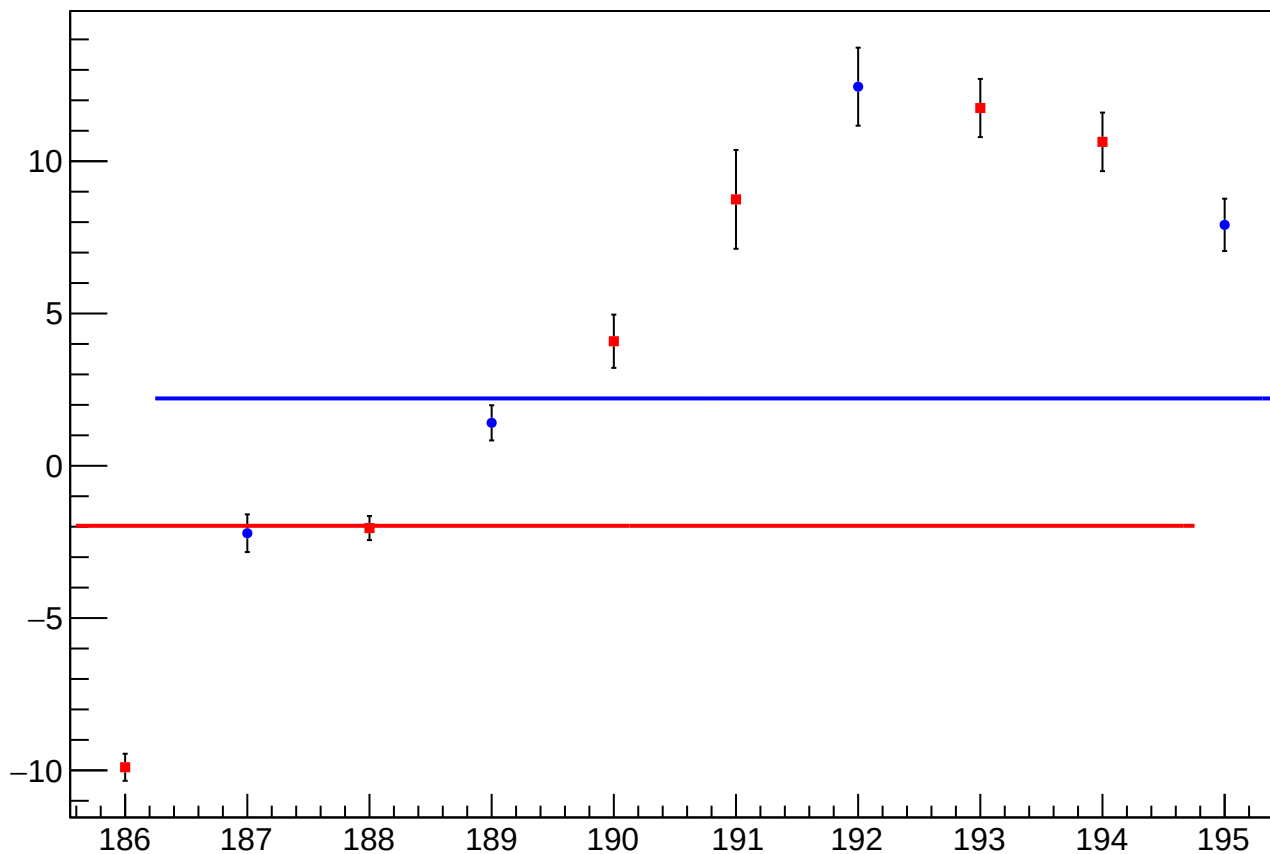
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.541 \pm 0.052$   $\chi^2/\text{NDF}$ : 726.3/9

- 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: 2.211+/-0.364  $\chi^2/\text{NDF}$ : 160.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.971+/-0.255  $\chi^2/\text{NDF}$ : 788.2/5

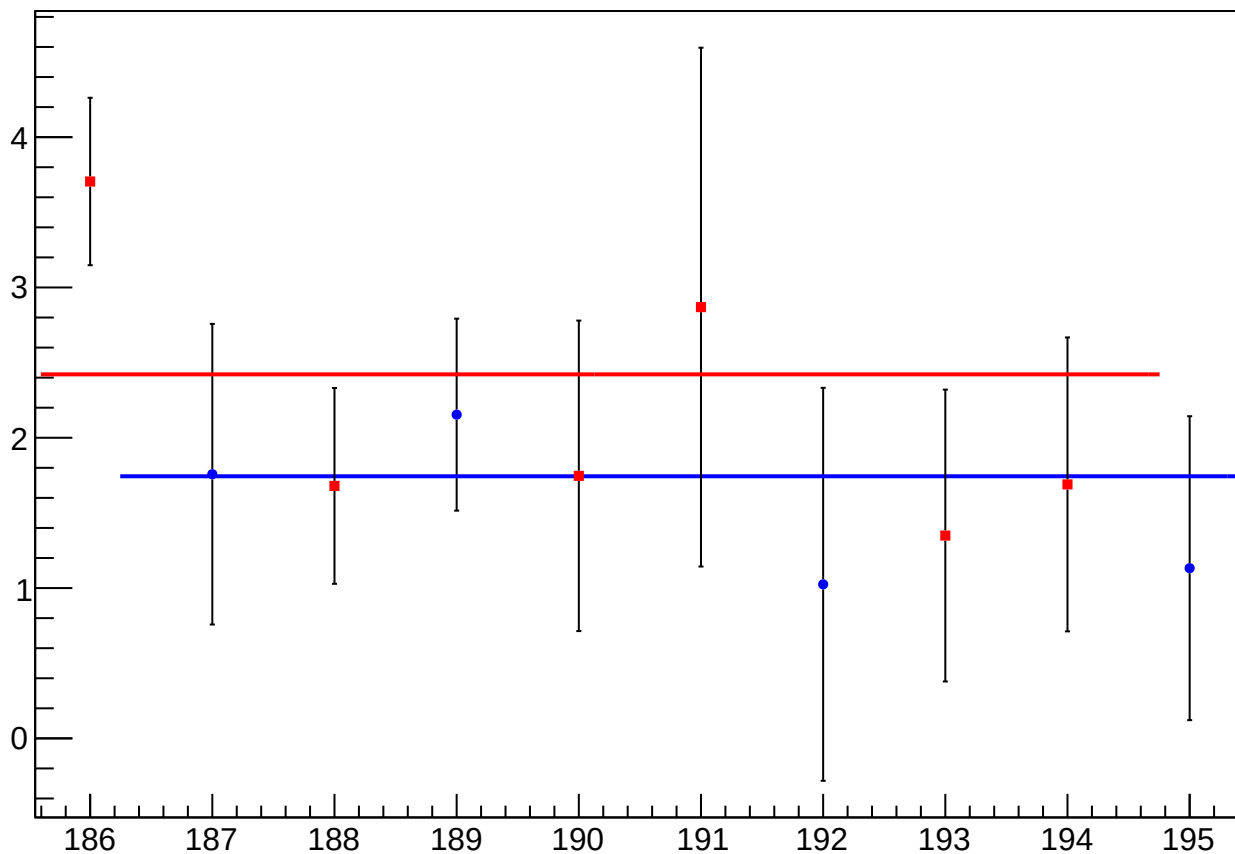
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.590+/-0.209  $\chi^2/\text{NDF}$ : 1037.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 1.744 $\pm$ 0.447  $\chi^2$ /NDF: 1.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2.422 $\pm$ 0.334  $\chi^2$ /NDF: 8.9/5

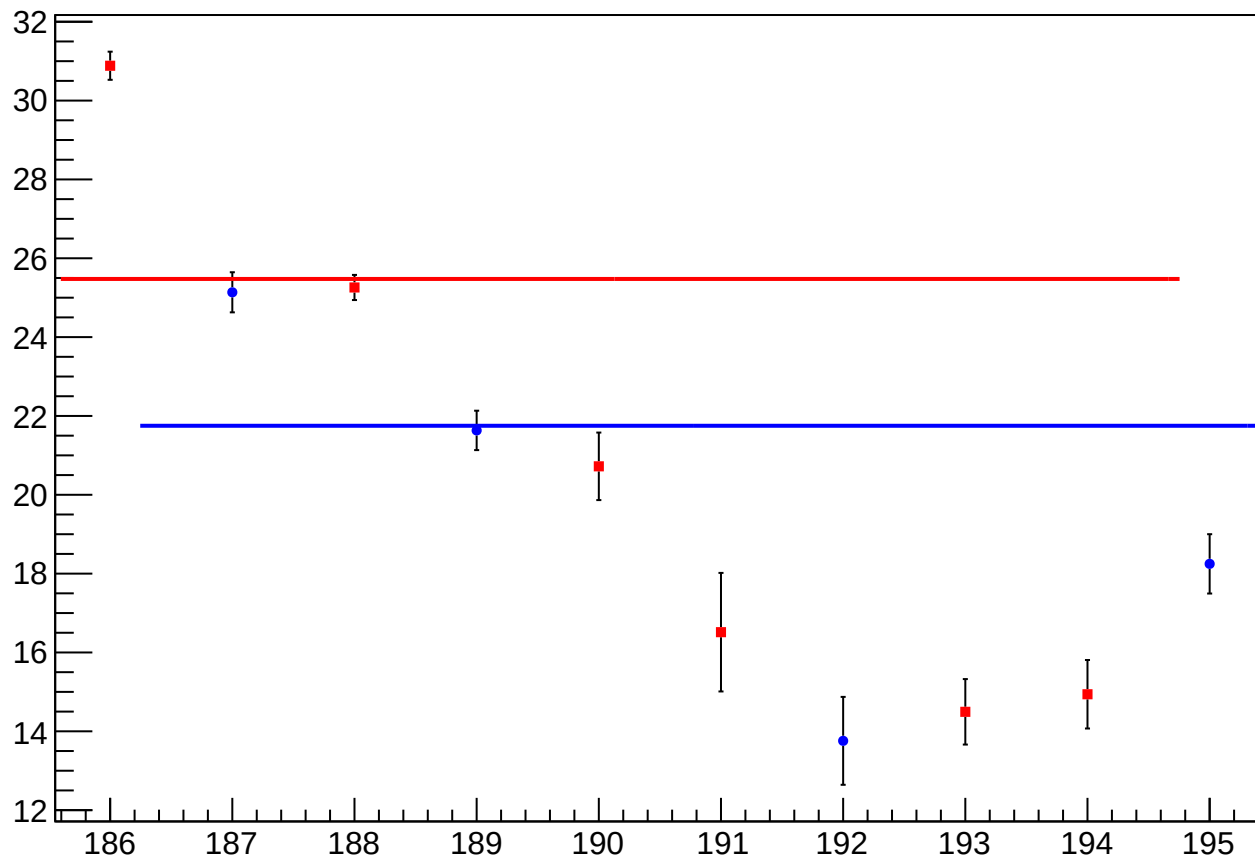
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.179 $\pm$ 0.267  $\chi^2$ /NDF: 11.4/9

- 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: 21.751 $\pm$ 0.310  $\chi^2$ /NDF: 117.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 25.475 $\pm$ 0.212  $\chi^2$ /NDF: 618.2/5

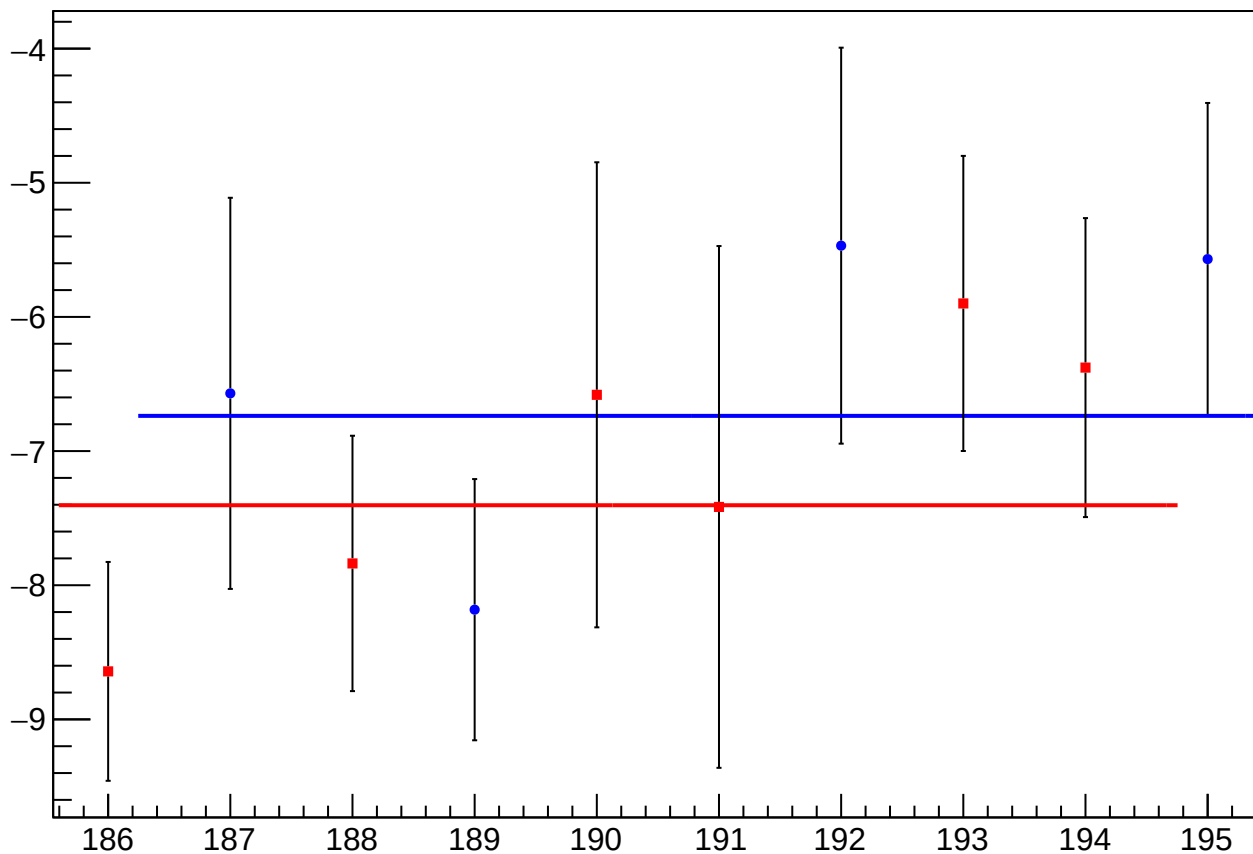
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 24.287 $\pm$ 0.175  $\chi^2$ /NDF: 834.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: -6.738 $\pm$ 0.606  $\chi^2$ /NDF: 4.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -7.404 $\pm$ 0.455  $\chi^2$ /NDF: 5.5/5

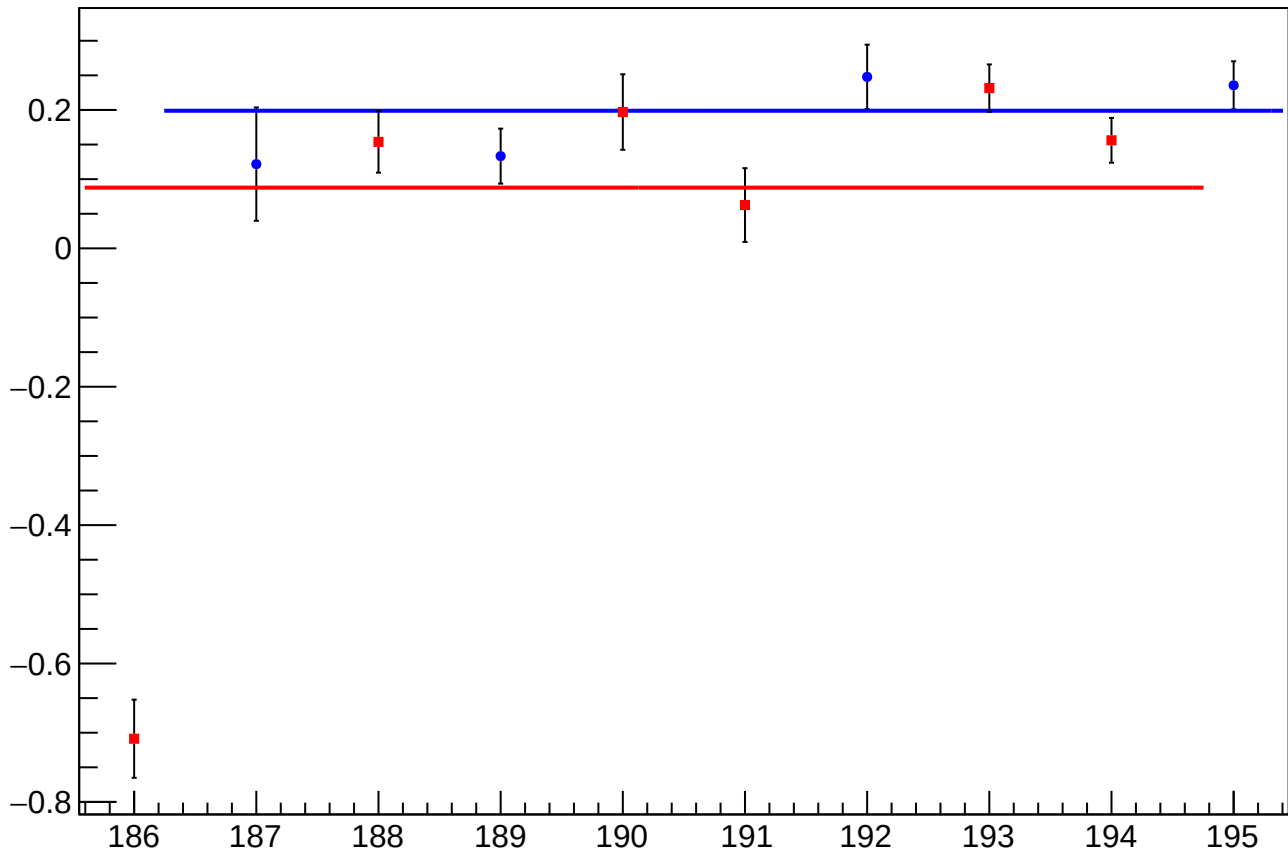
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.164 $\pm$ 0.364  $\chi^2$ /NDF: 10.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.199 $\pm$ 0.022  $\chi^2$ /NDF: 5.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.088 $\pm$ 0.017  $\chi^2$ /NDF: 227.5/5

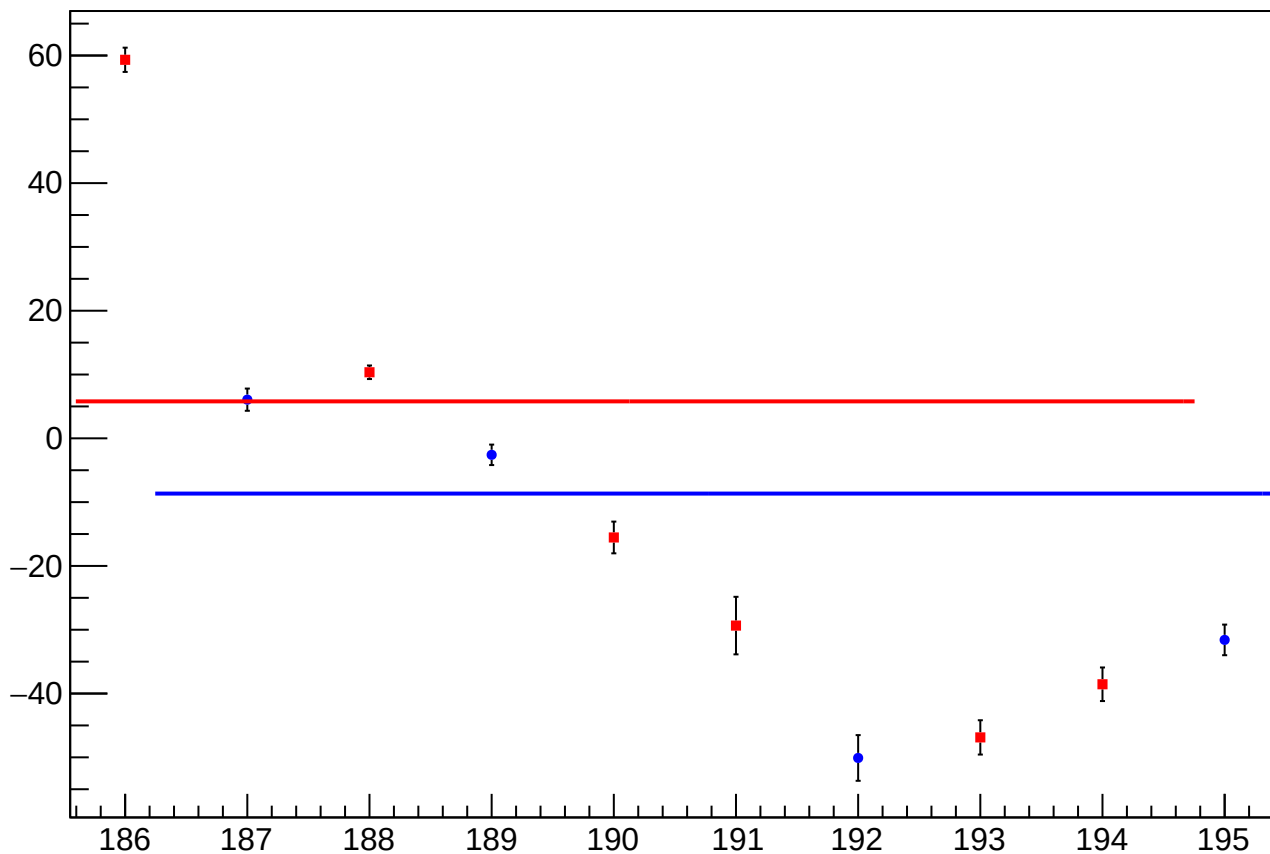
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.130 $\pm$ 0.014  $\chi^2$ /NDF: 249.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_12345678\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -8.659+/-1.015  $\chi^2/\text{NDF}$ : 311.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.793+/-0.777  $\chi^2/\text{NDF}$ : 1613.3/5

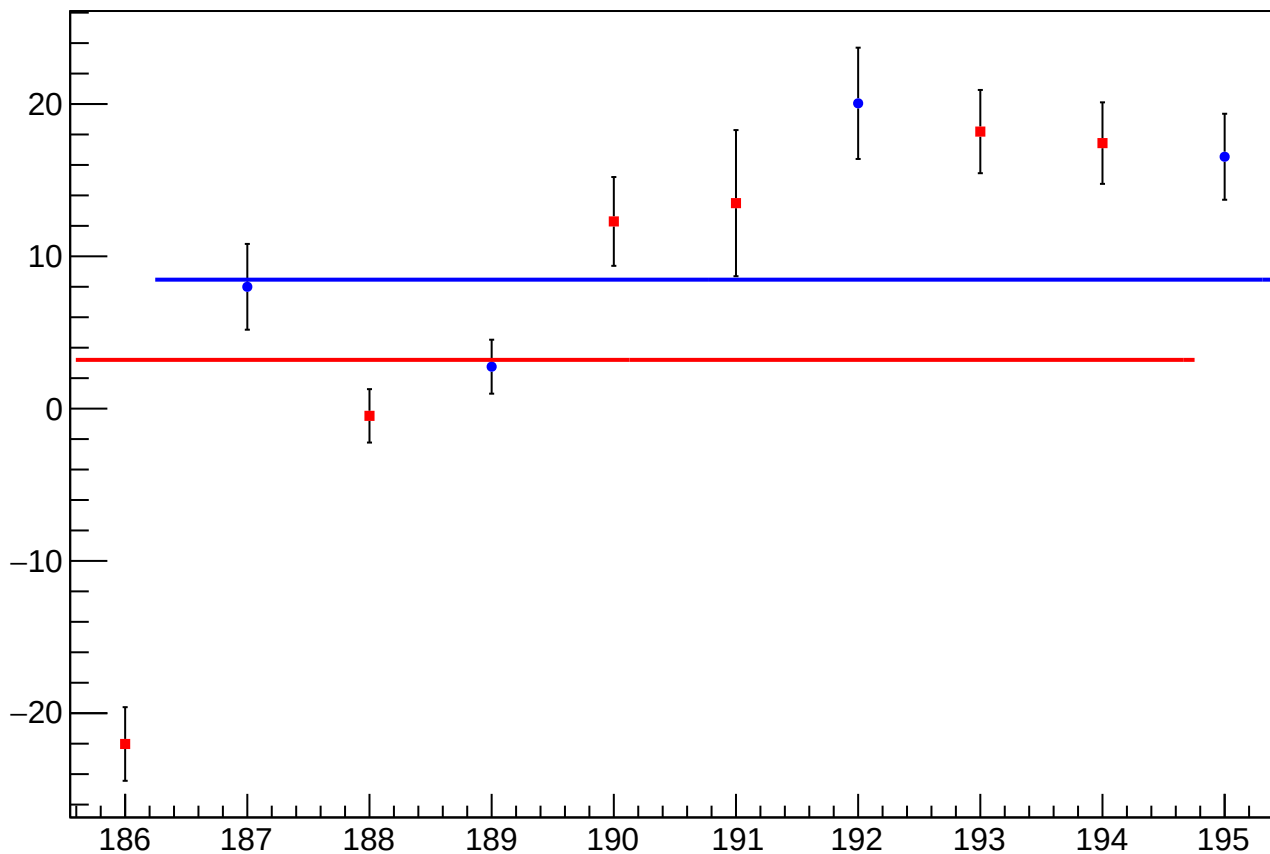
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.452+/-0.617  $\chi^2/\text{NDF}$ : 2052.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 8.467 $\pm$ 1.245  $\chi^2$ /NDF: 28.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.201 $\pm$ 1.037  $\chi^2$ /NDF: 185.9/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

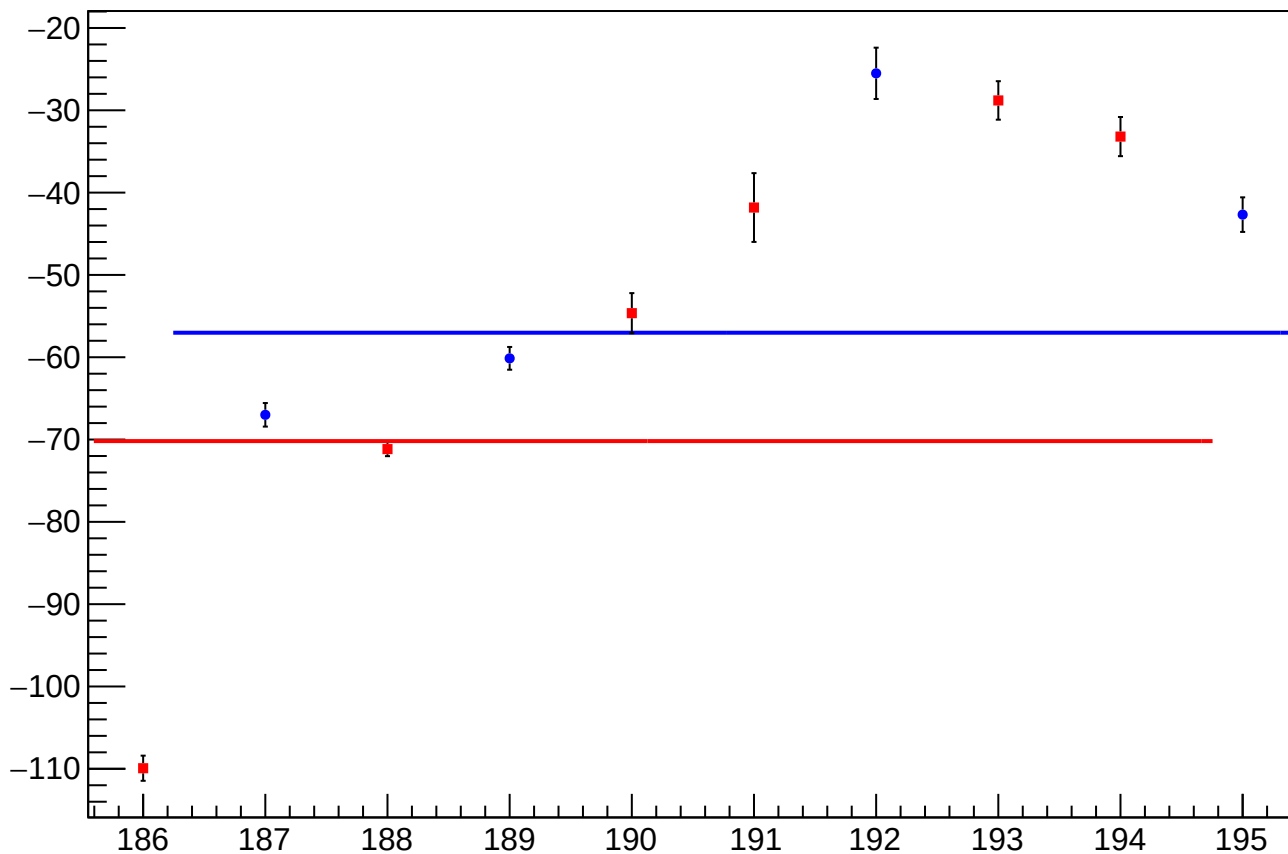
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.356 $\pm$ 0.797  $\chi^2$ /NDF: 225.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -57.021 $\pm$ 0.864  $\chi^2$ /NDF: 202.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -70.188 $\pm$ 0.649  $\chi^2$ /NDF: 1320.2/5

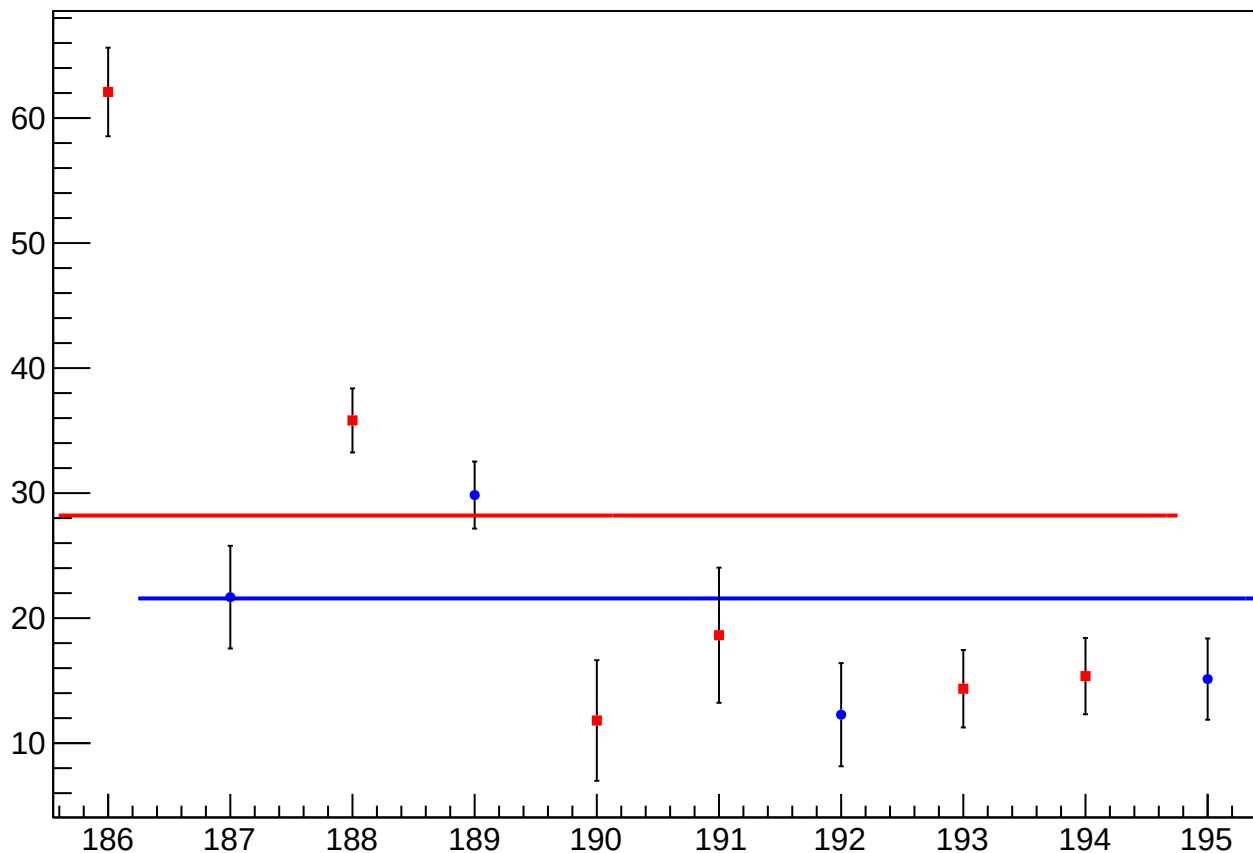
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -65.433 $\pm$ 0.519  $\chi^2$ /NDF: 1671.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 21.574 $\pm$ 1.686  $\chi^2$ /NDF: 18.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 28.207 $\pm$ 1.385  $\chi^2$ /NDF: 152.7/5

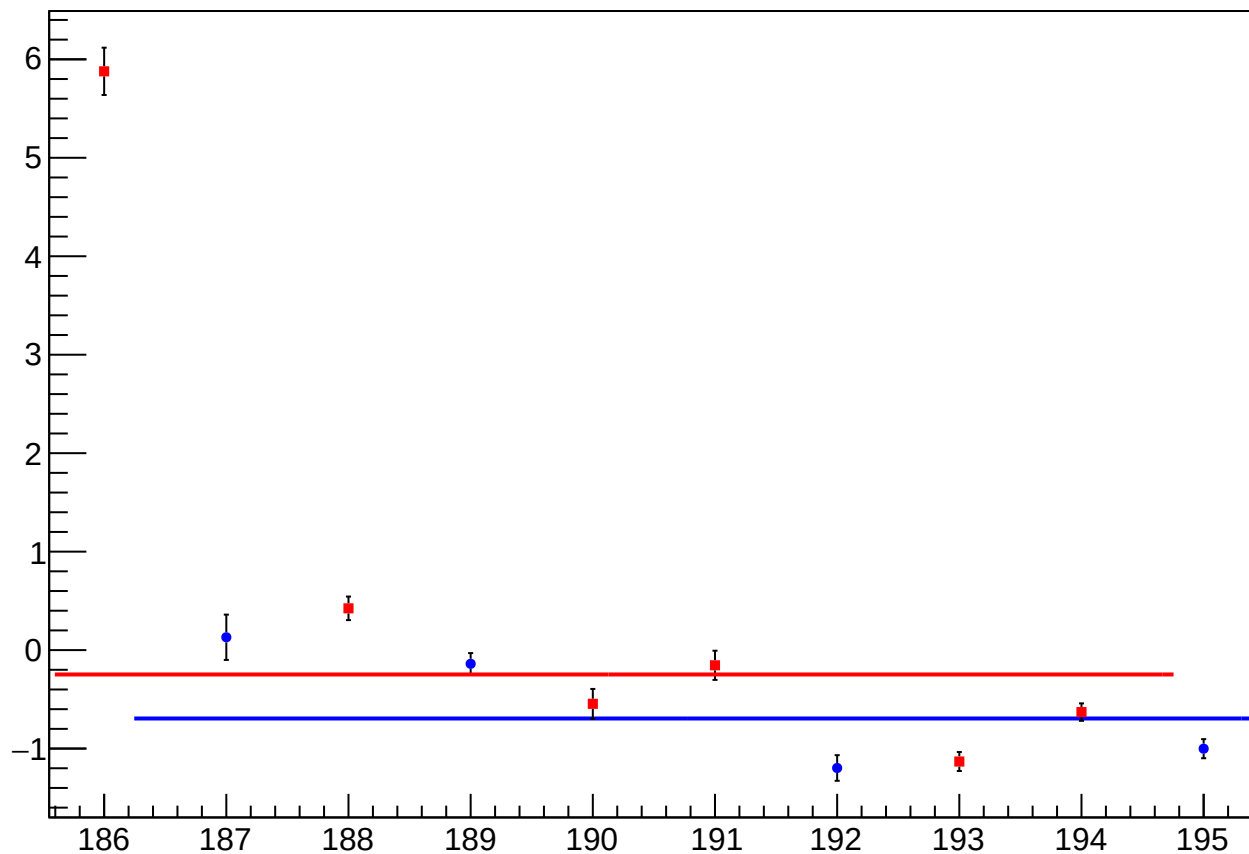
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 25.533 $\pm$ 1.070  $\chi^2$ /NDF: 180.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-0.695 \pm 0.061$   $\chi^2/\text{NDF}$ : 63.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.248 \pm 0.049$   $\chi^2/\text{NDF}$ : 788.9/5

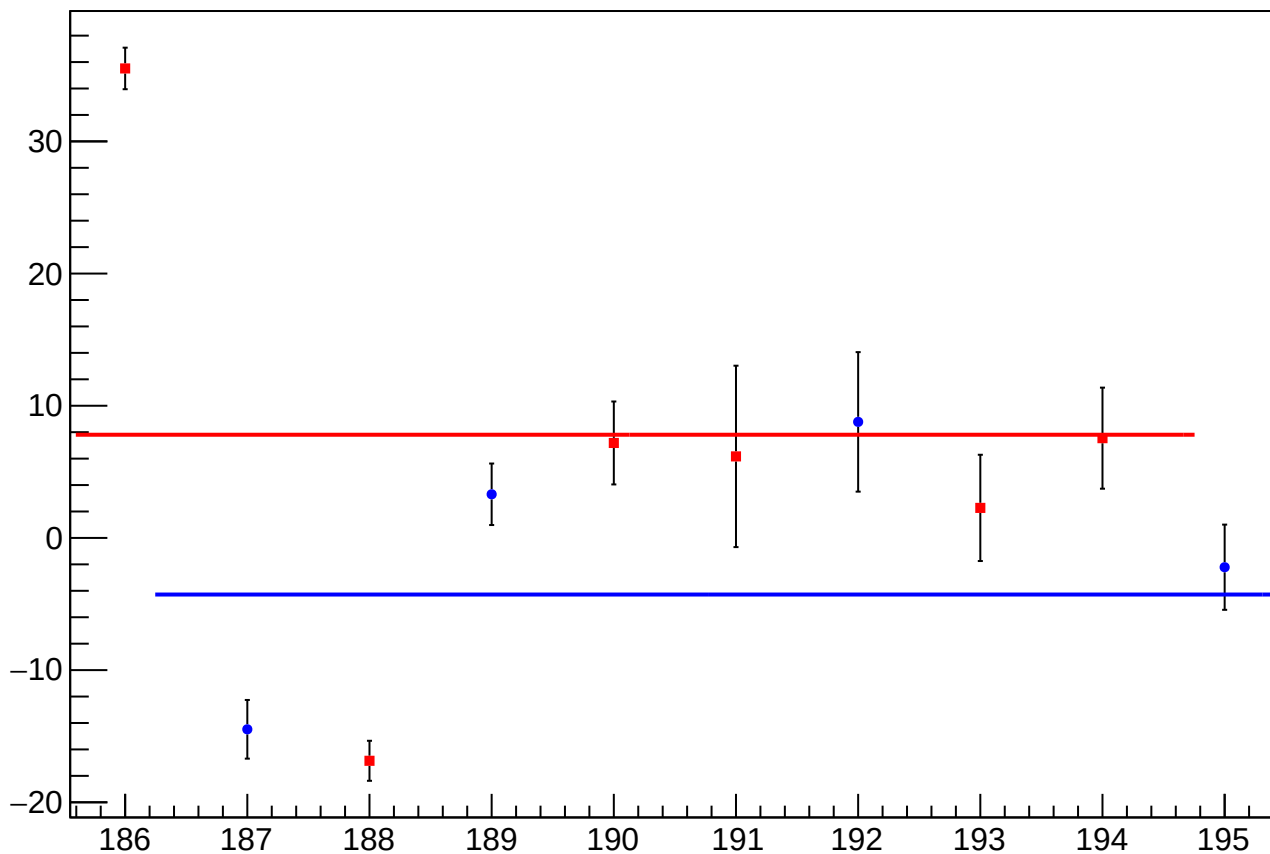
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.424 \pm 0.038$   $\chi^2/\text{NDF}$ : 885.1/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm1X\_slope vs Slug



Right In: -4.282+/-1.387  $\chi^2/\text{NDF}$ : 38.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.807+/-0.956  $\chi^2/\text{NDF}$ : 578.5/5

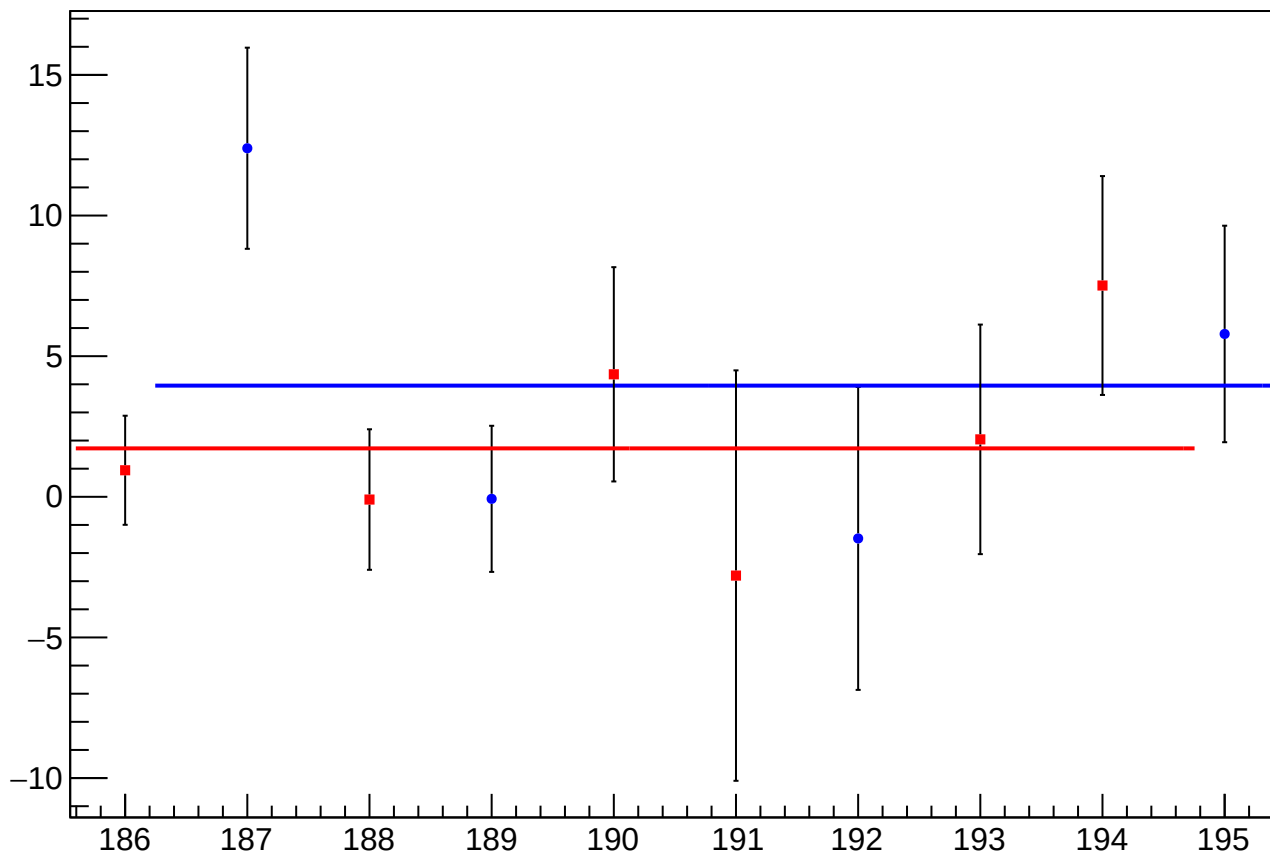
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.914+/-0.787  $\chi^2/\text{NDF}$ : 668.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug



Right In: 3.953 $\pm$ 1.745  $\chi^2$ /NDF: 9.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.722 $\pm$ 1.250  $\chi^2$ /NDF: 3.8/5

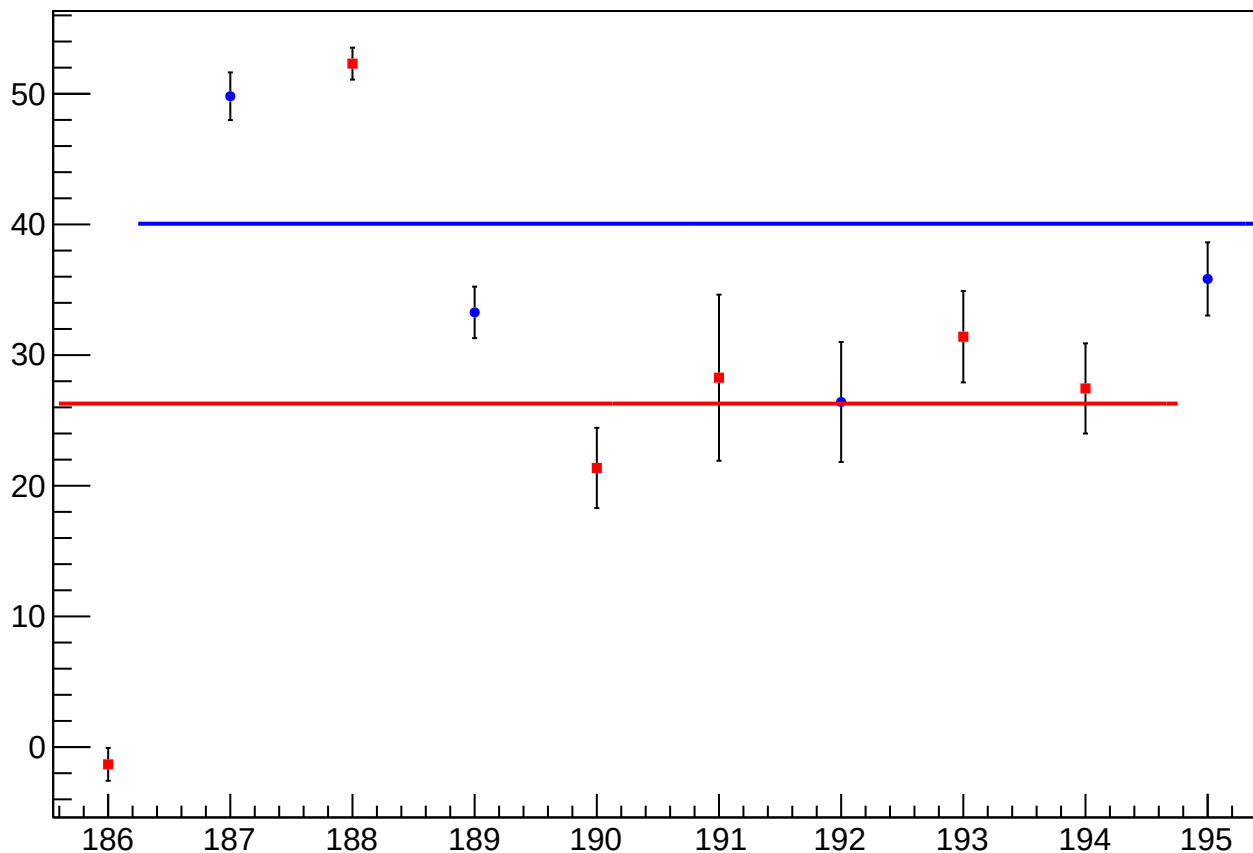
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.479 $\pm$ 1.016  $\chi^2$ /NDF: 14.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug



Right In: 40.055+/-1.168  $\chi^2/\text{NDF}$ : 51.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 26.289+/-0.791  $\chi^2/\text{NDF}$ : 941.0/5

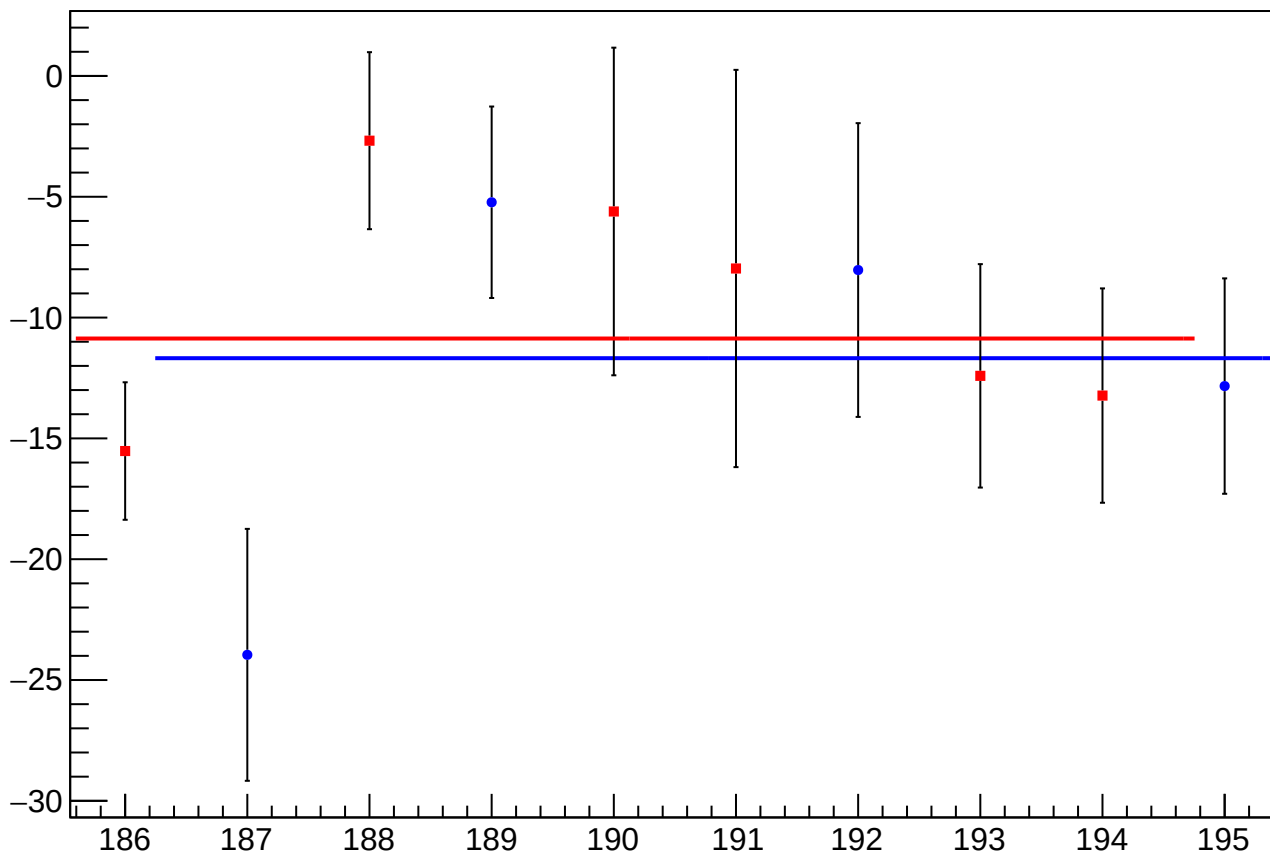
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.617+/-0.655  $\chi^2/\text{NDF}$ : 1087.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug



Right In: -11.681 $\pm$ 2.371  $\chi^2$ /NDF: 8.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -10.867 $\pm$ 1.735  $\chi^2$ /NDF: 8.8/5

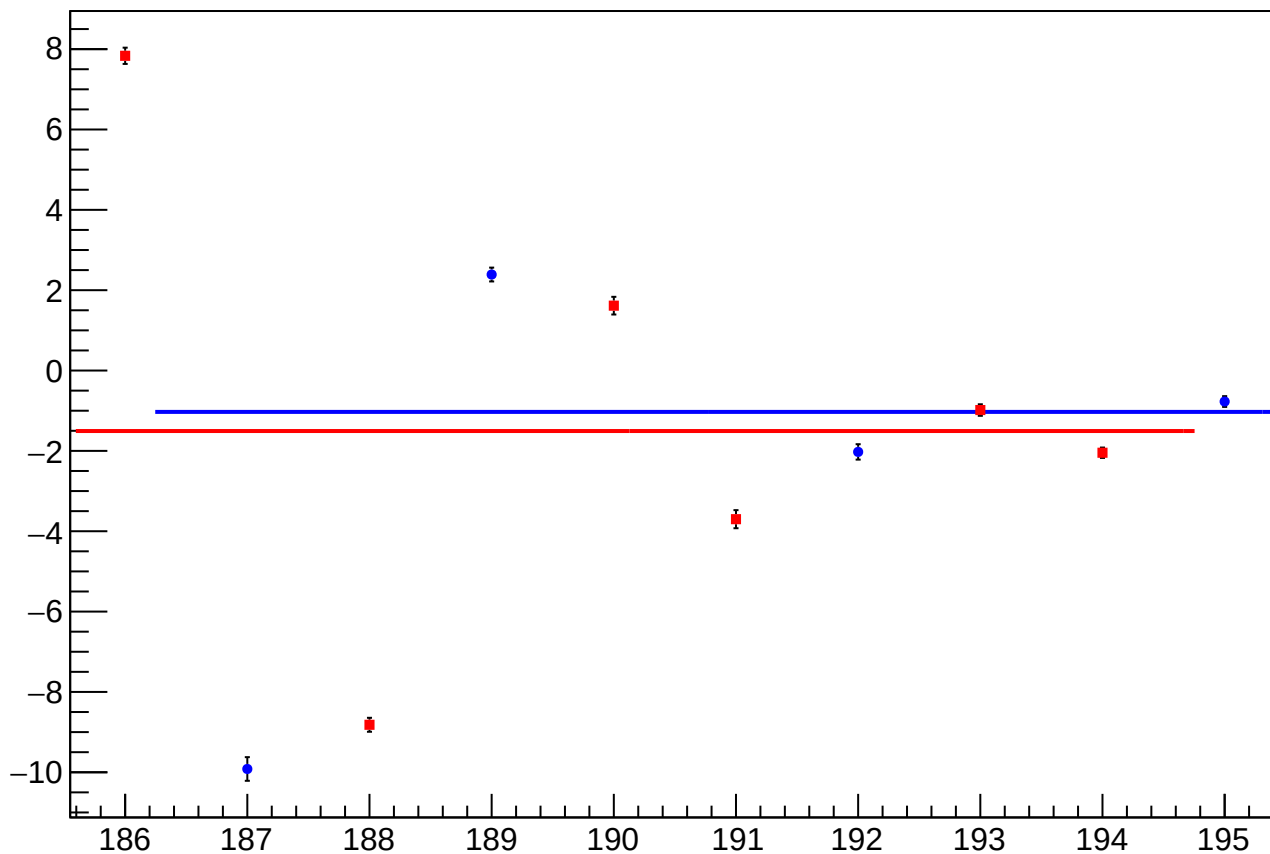
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -11.151 $\pm$ 1.400  $\chi^2$ /NDF: 17.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug



Right In:  $-1.029 \pm 0.088$   $\chi^2/\text{NDF}$ : 1337.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.506 \pm 0.070$   $\chi^2/\text{NDF}$ : 4230.8/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

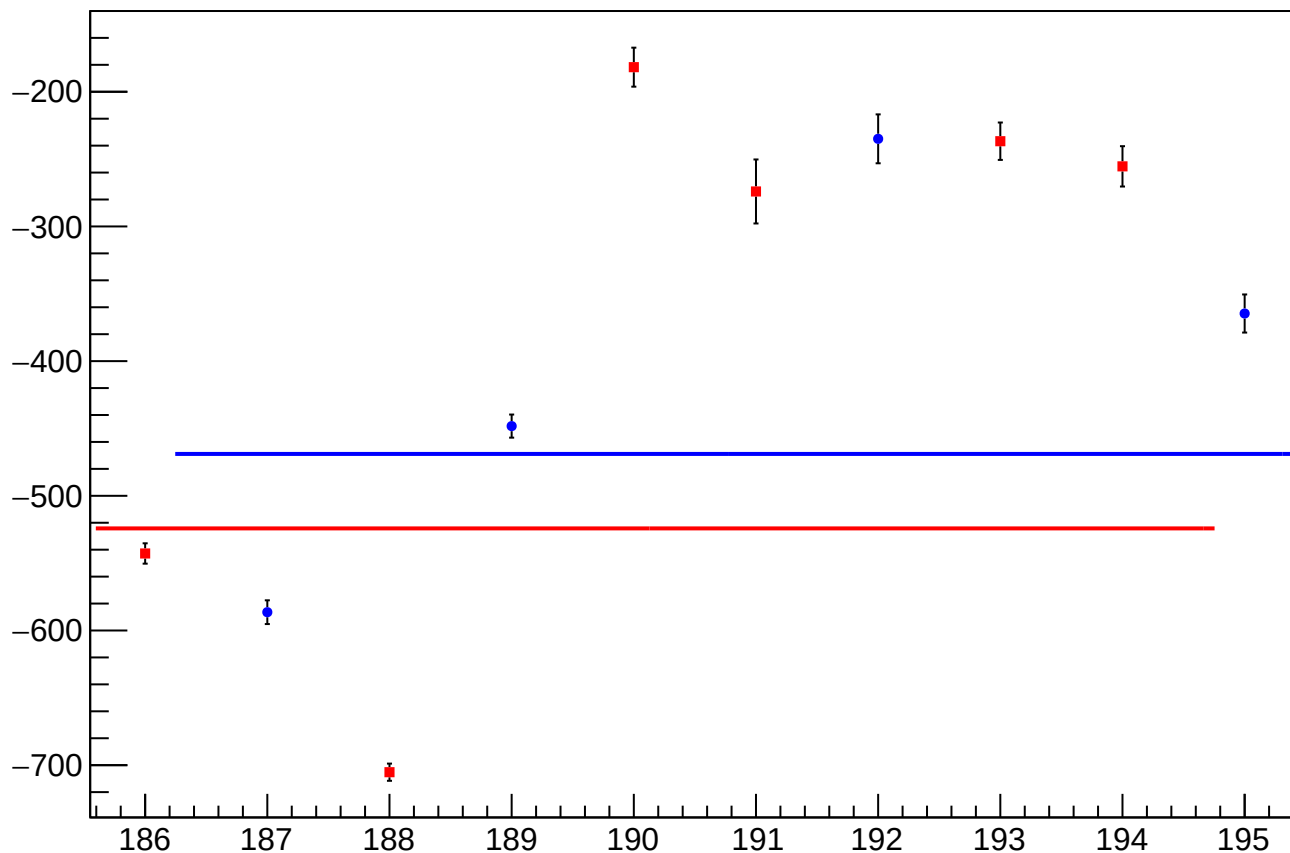
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.323 \pm 0.055$   $\chi^2/\text{NDF}$ : 5585.9/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl2\_diff\_bpm1X\_slope vs Slug



Right In:  $-468.904 \pm 5.385$   $\chi^2/\text{NDF}$ : 403.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-524.201 \pm 4.143$   $\chi^2/\text{NDF}$ : 2231.4/5

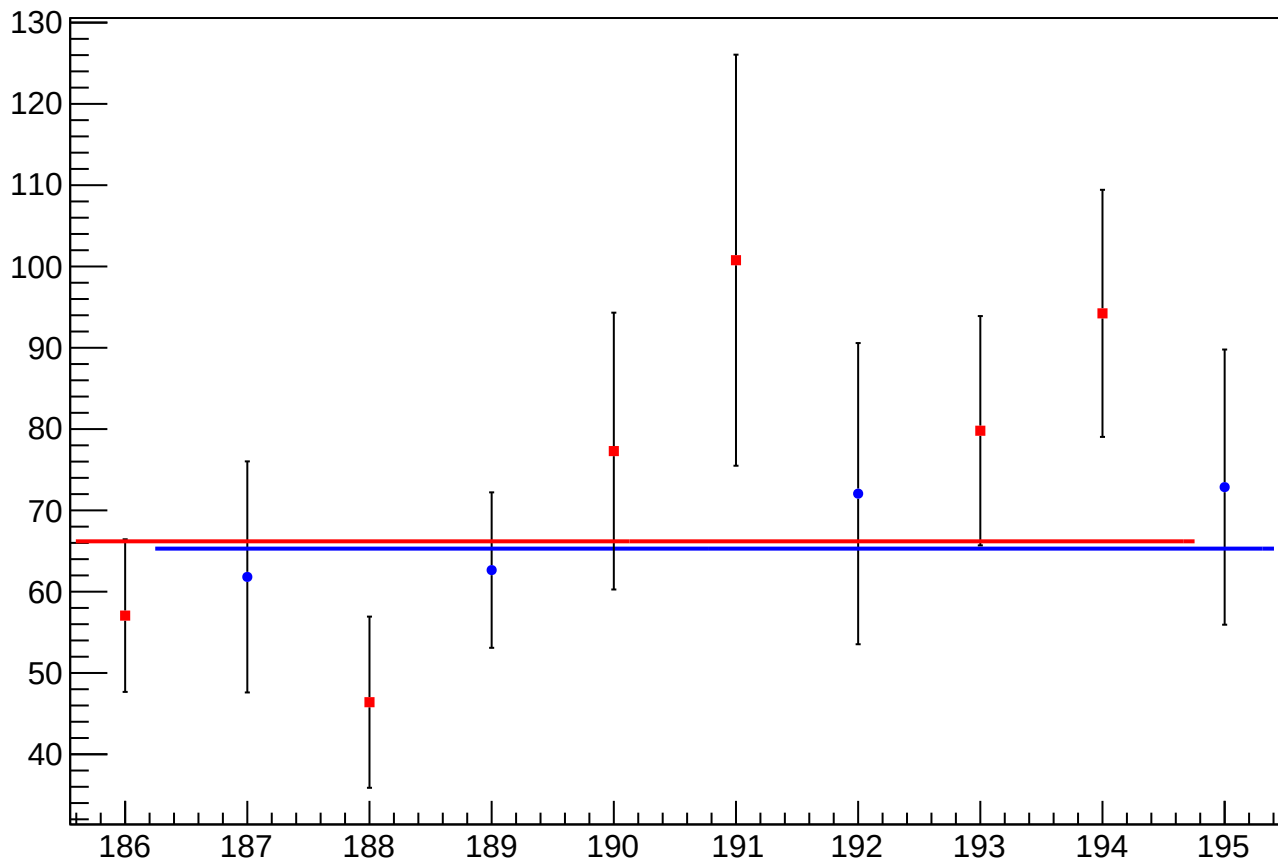
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-503.638 \pm 3.284$   $\chi^2/\text{NDF}$ : 2701.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug



Right In: 65.296 $\pm$ 6.697  $\chi^2$ /NDF: 0.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 66.193 $\pm$ 5.365  $\chi^2$ /NDF: 11.1/5

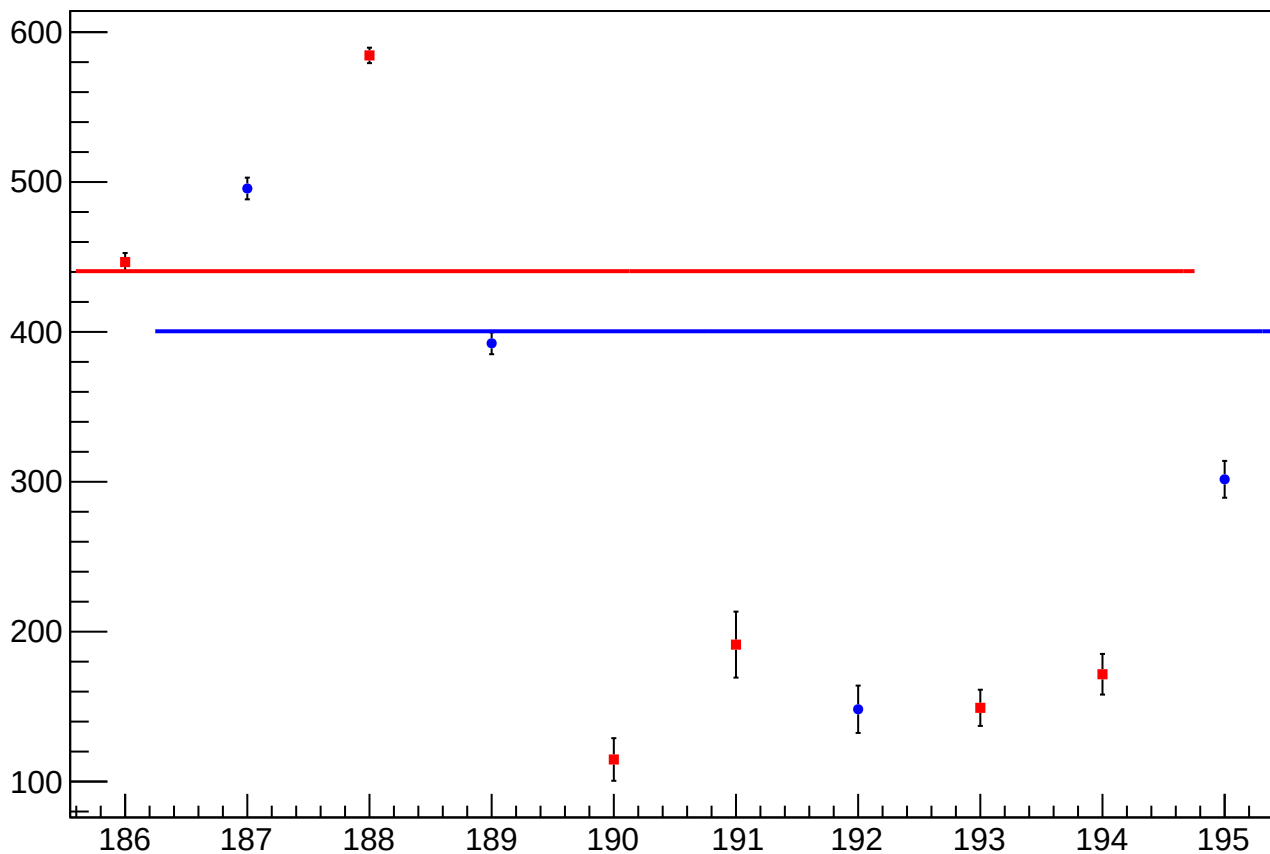
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 65.843 $\pm$ 4.187  $\chi^2$ /NDF: 11.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug



Right In: 400.430 $\pm$ 4.540  $\chi^2$ /NDF: 493.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 440.536 $\pm$ 3.442  $\chi^2$ /NDF: 2409.4/5

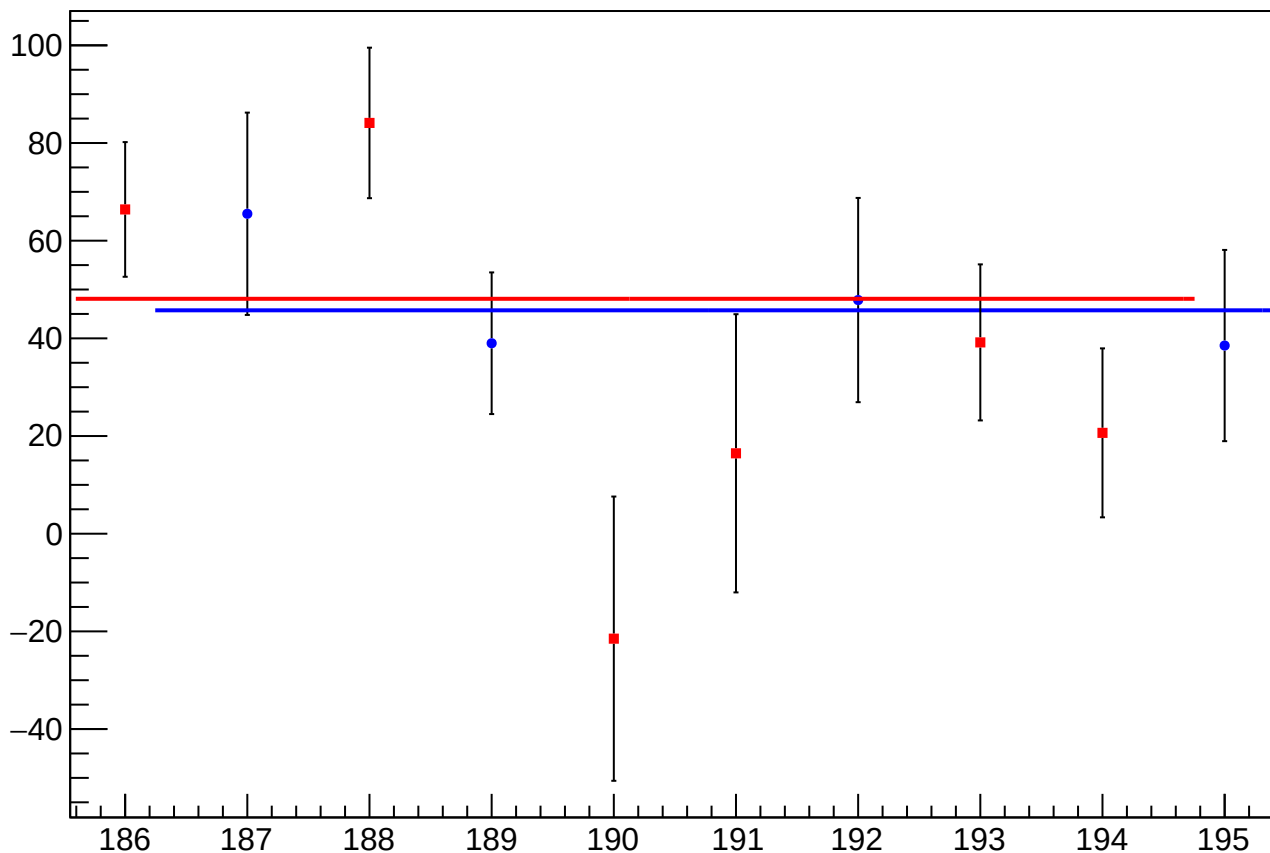
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 425.894 $\pm$ 2.743  $\chi^2$ /NDF: 2952.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug



Right In: 45.741 $\pm$ 9.136  $\chi^2$ /NDF: 1.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 48.100 $\pm$ 7.228  $\chi^2$ /NDF: 17.0/5

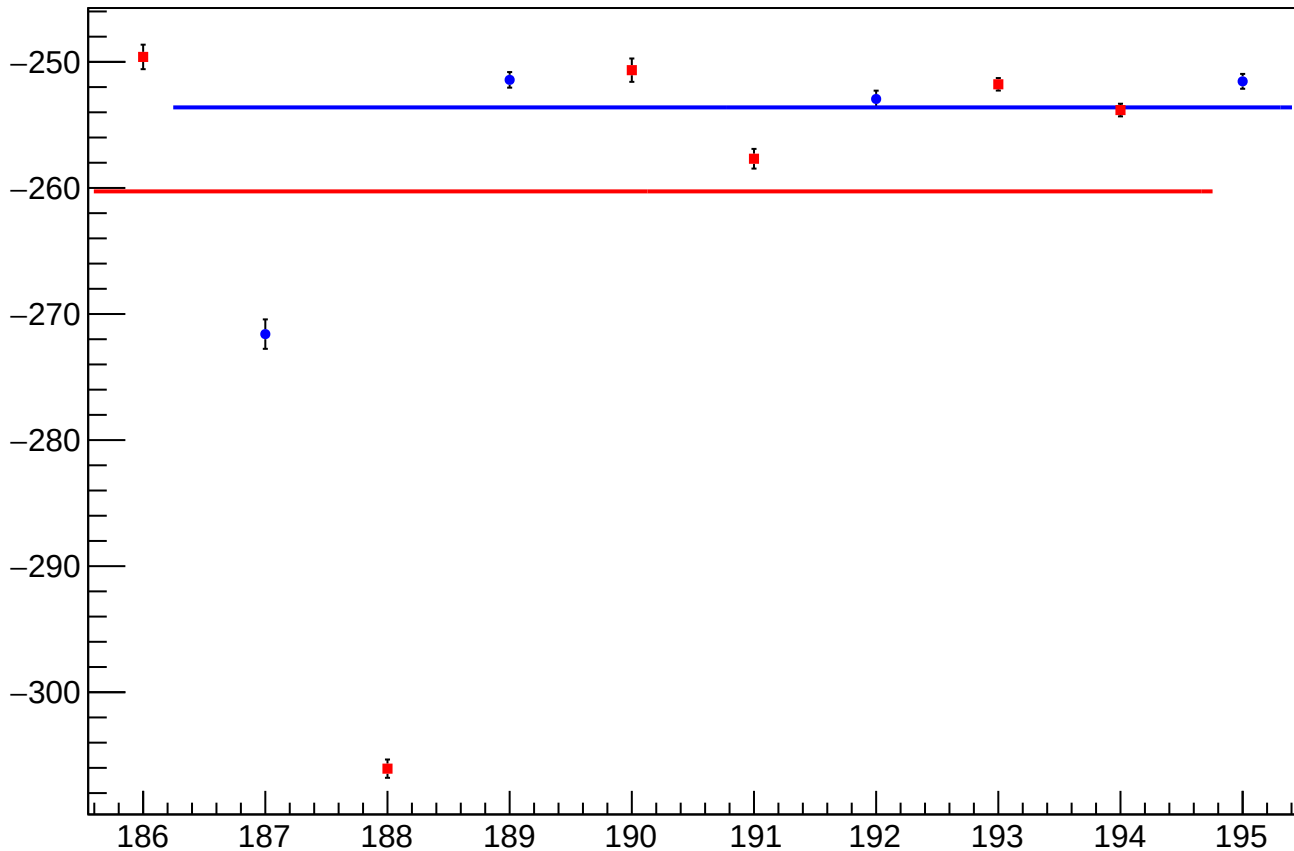
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 47.192 $\pm$ 5.668  $\chi^2$ /NDF: 18.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug



Right In:  $-253.610 \pm 0.343$   $\chi^2/\text{NDF}$ : 263.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-260.273 \pm 0.269$   $\chi^2/\text{NDF}$ : 4679.5/5

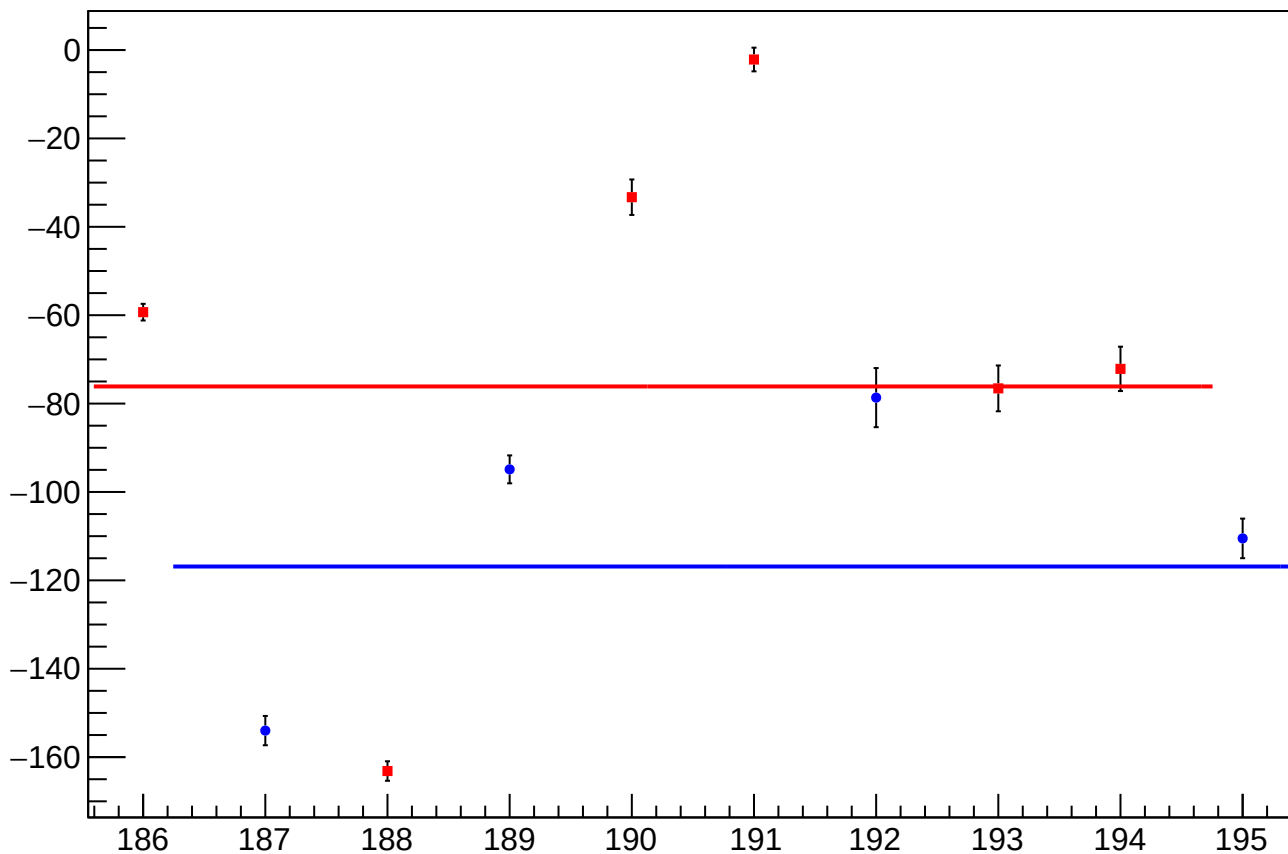
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-257.730 \pm 0.212$   $\chi^2/\text{NDF}$ : 5176.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm1X\_slope vs Slug



Right In:  $-116.867 \pm 1.949$   $\chi^2/\text{NDF}$ : 208.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-76.124 \pm 1.144$   $\chi^2/\text{NDF}$ : 2507.6/5

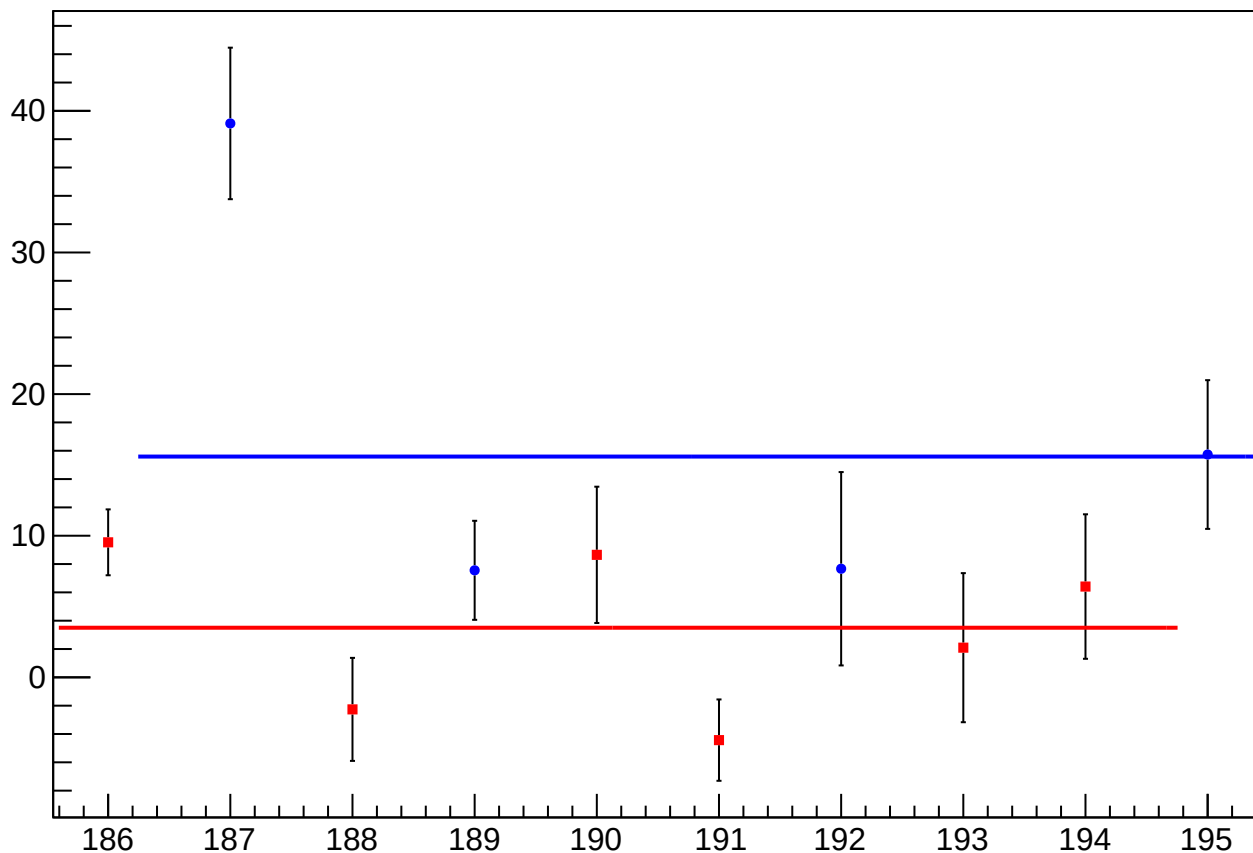
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-86.560 \pm 0.987$   $\chi^2/\text{NDF}$ : 3040.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug



Right In: 15.590 $\pm$ 2.394  $\chi^2$ /NDF: 26.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.503 $\pm$ 1.415  $\chi^2$ /NDF: 18.4/5

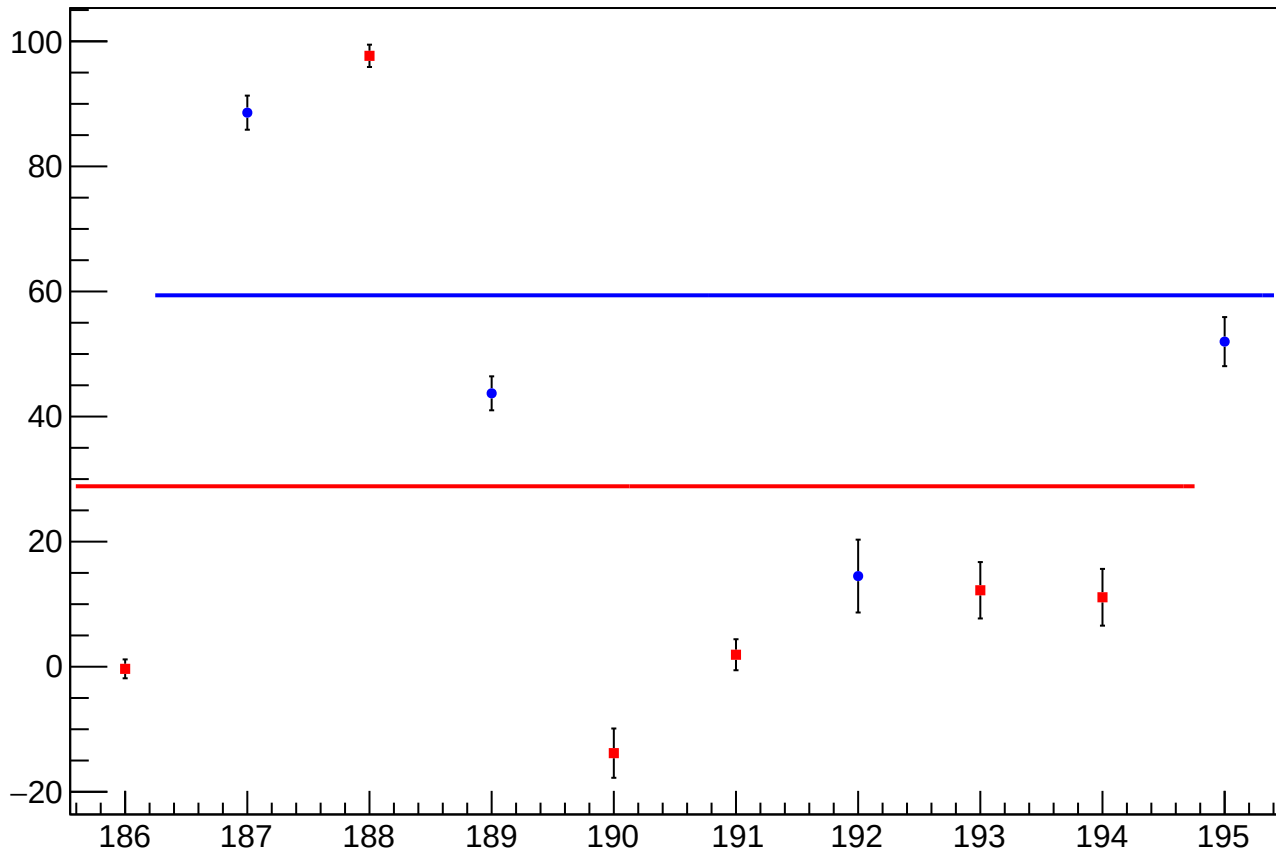
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.633 $\pm$ 1.218  $\chi^2$ /NDF: 63.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug



Right In: 59.386 $\pm$ 1.656  $\chi^2$ /NDF: 211.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 28.852 $\pm$ 0.963  $\chi^2$ /NDF: 2125.0/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

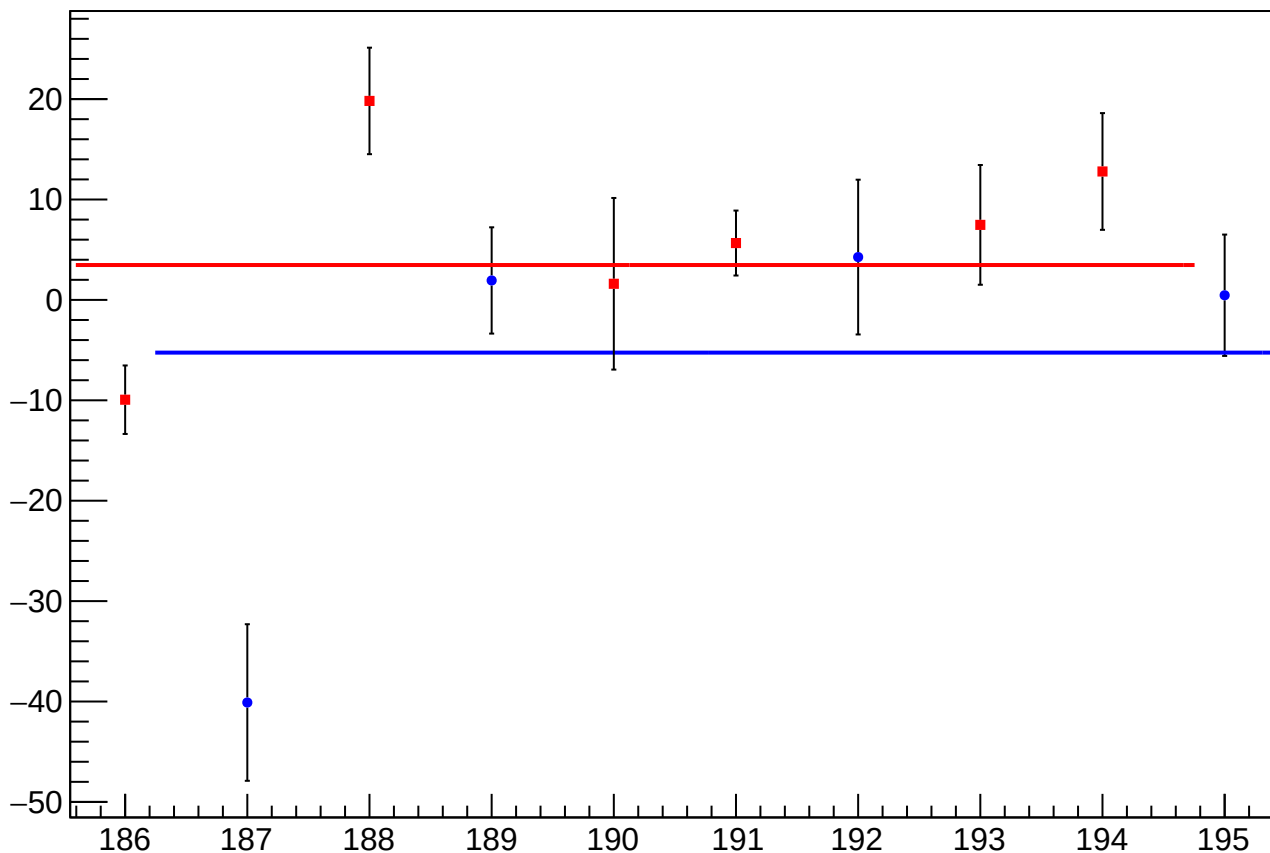
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 36.572 $\pm$ 0.833  $\chi^2$ /NDF: 2590.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug



Right In: -5.250+/-3.222  $\chi^2/\text{NDF}$ : 24.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.474+/-1.862  $\chi^2/\text{NDF}$ : 28.5/5

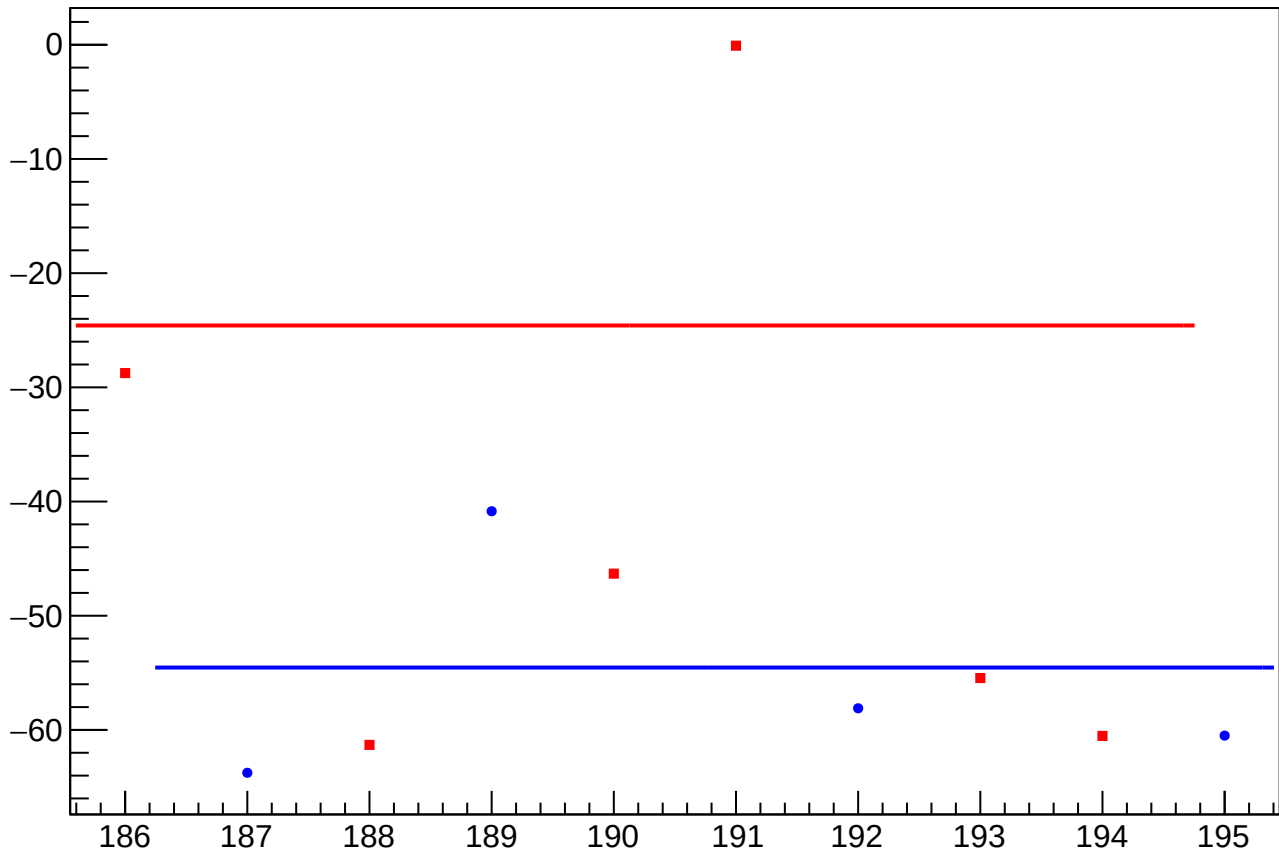
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.290+/-1.612  $\chi^2/\text{NDF}$ : 58.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug



Right In: -54.537 $\pm$ 0.116  $\chi^2$ /NDF: 5741.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -24.582 $\pm$ 0.065  $\chi^2$ /NDF: 178647.6/5

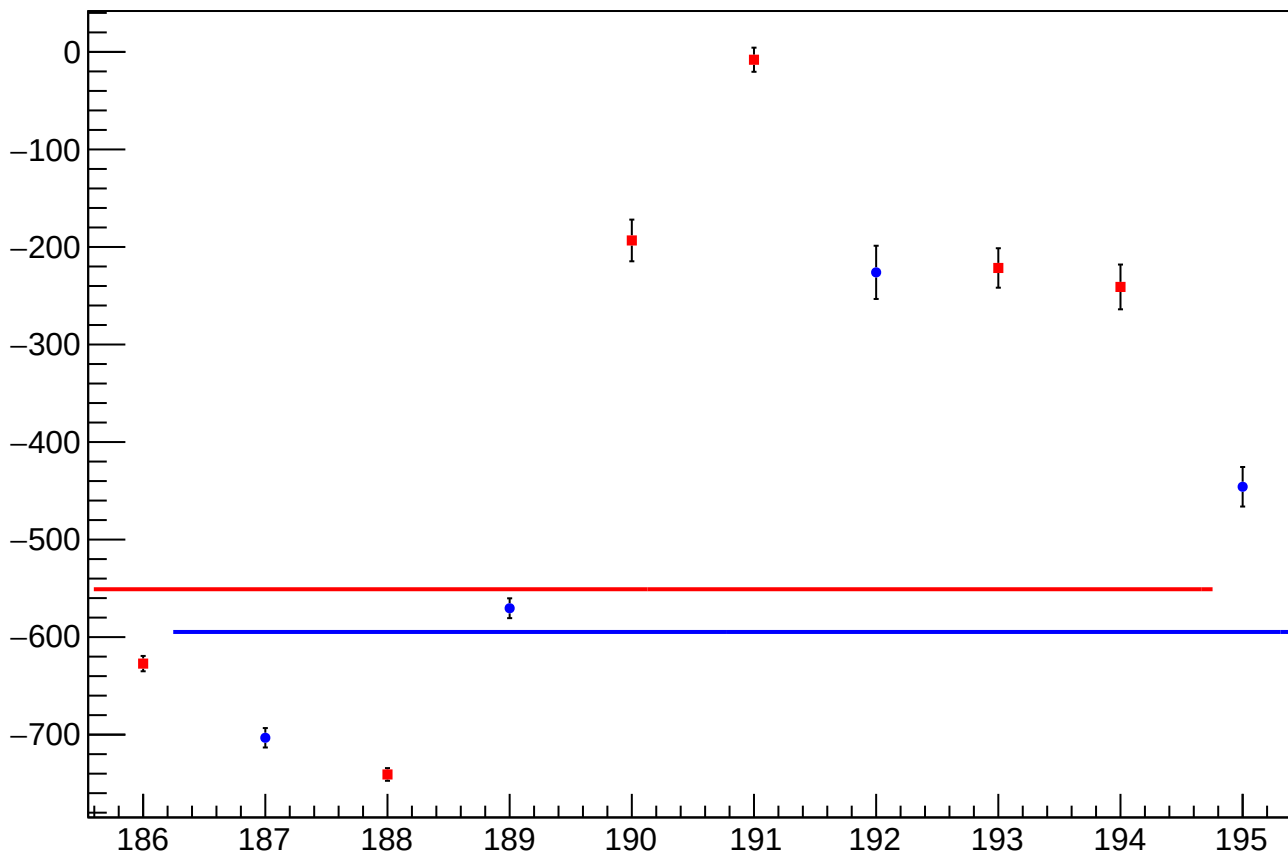
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -31.689 $\pm$ 0.057  $\chi^2$ /NDF: 235168.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr2\_diff\_bpm1X\_slope vs Slug



Right In:  $-594.718 \pm 6.521$   $\chi^2/\text{NDF}$ : 360.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-550.914 \pm 4.348$   $\chi^2/\text{NDF}$ : 3601.7/5

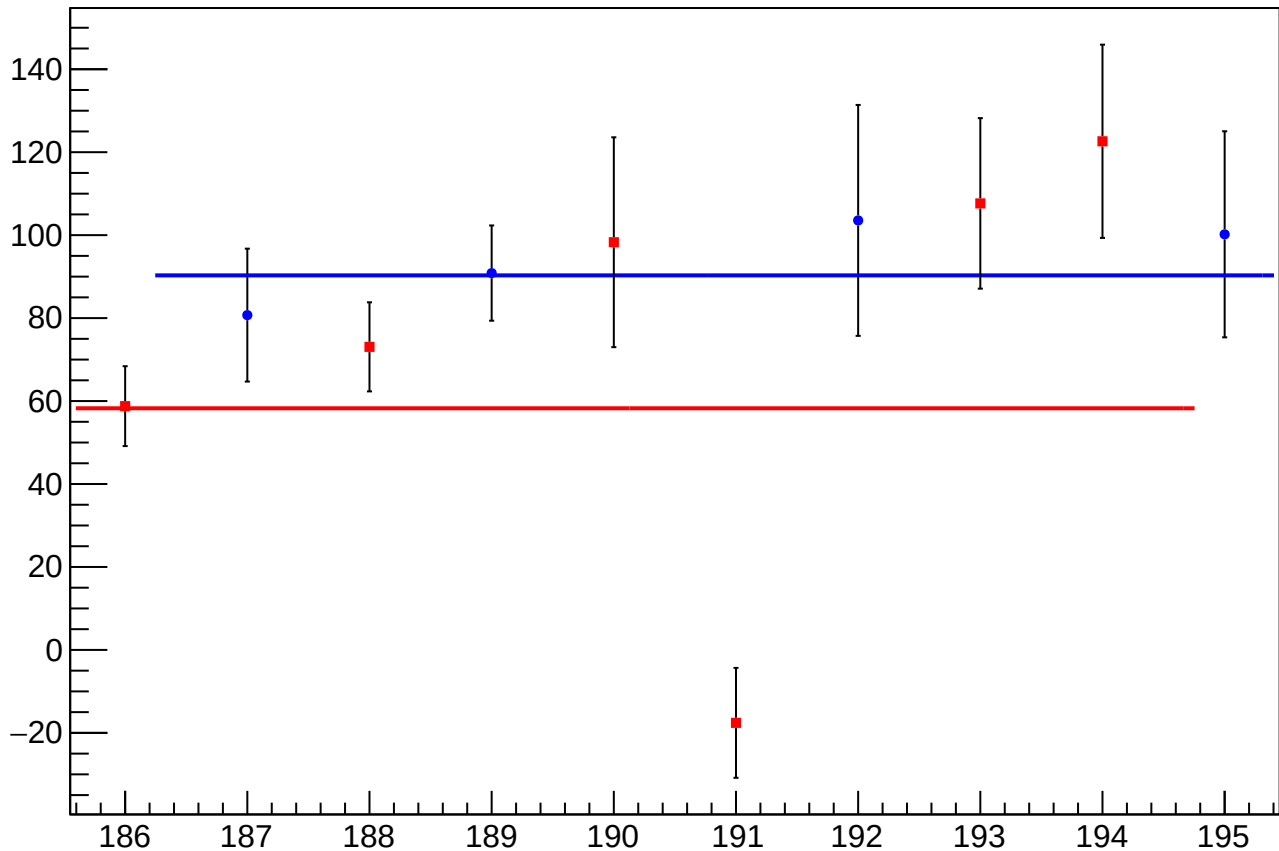
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-564.395 \pm 3.617$   $\chi^2/\text{NDF}$ : 3993.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug



Right In: 90.302 $\pm$ 8.336  $\chi^2$ /NDF: 0.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 58.258 $\pm$ 5.686  $\chi^2$ /NDF: 50.6/5

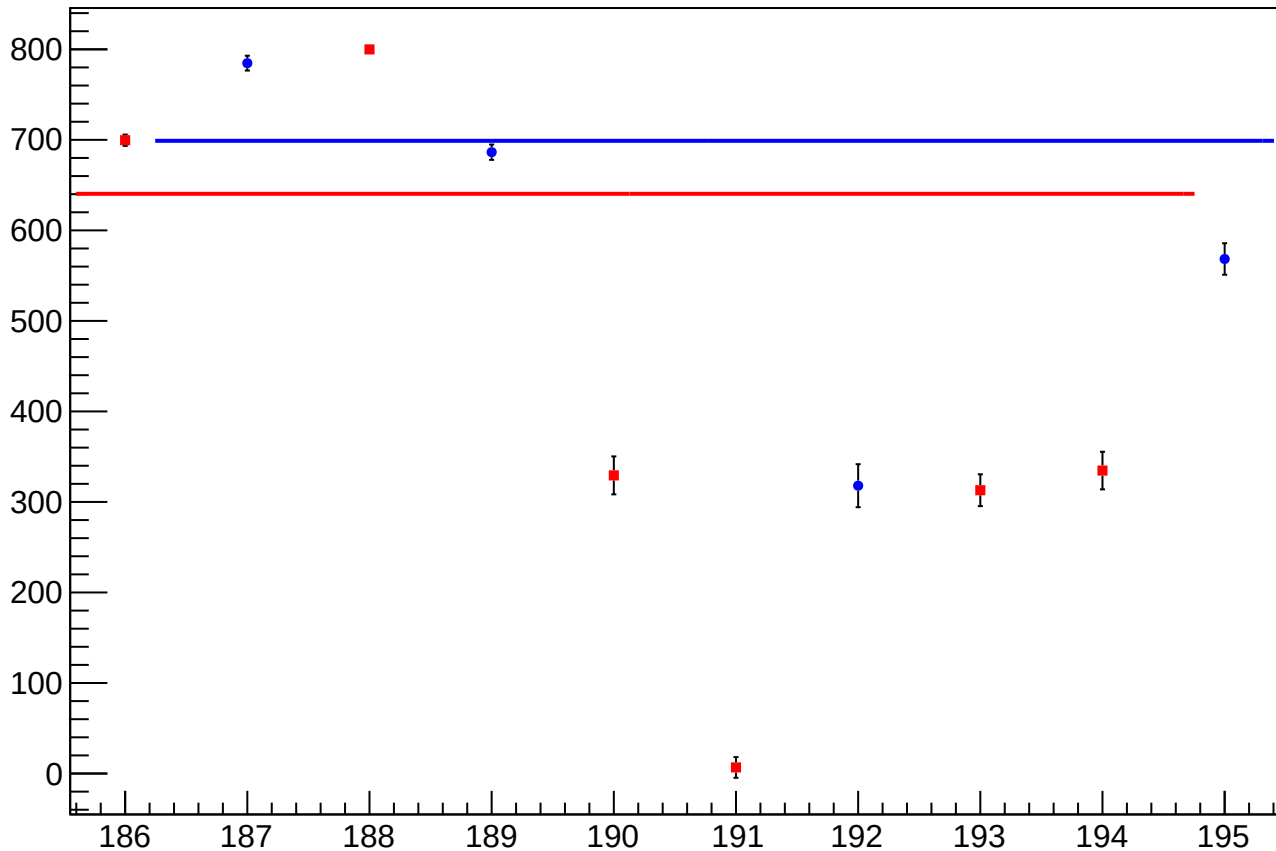
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 68.433 $\pm$ 4.697  $\chi^2$ /NDF: 61.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

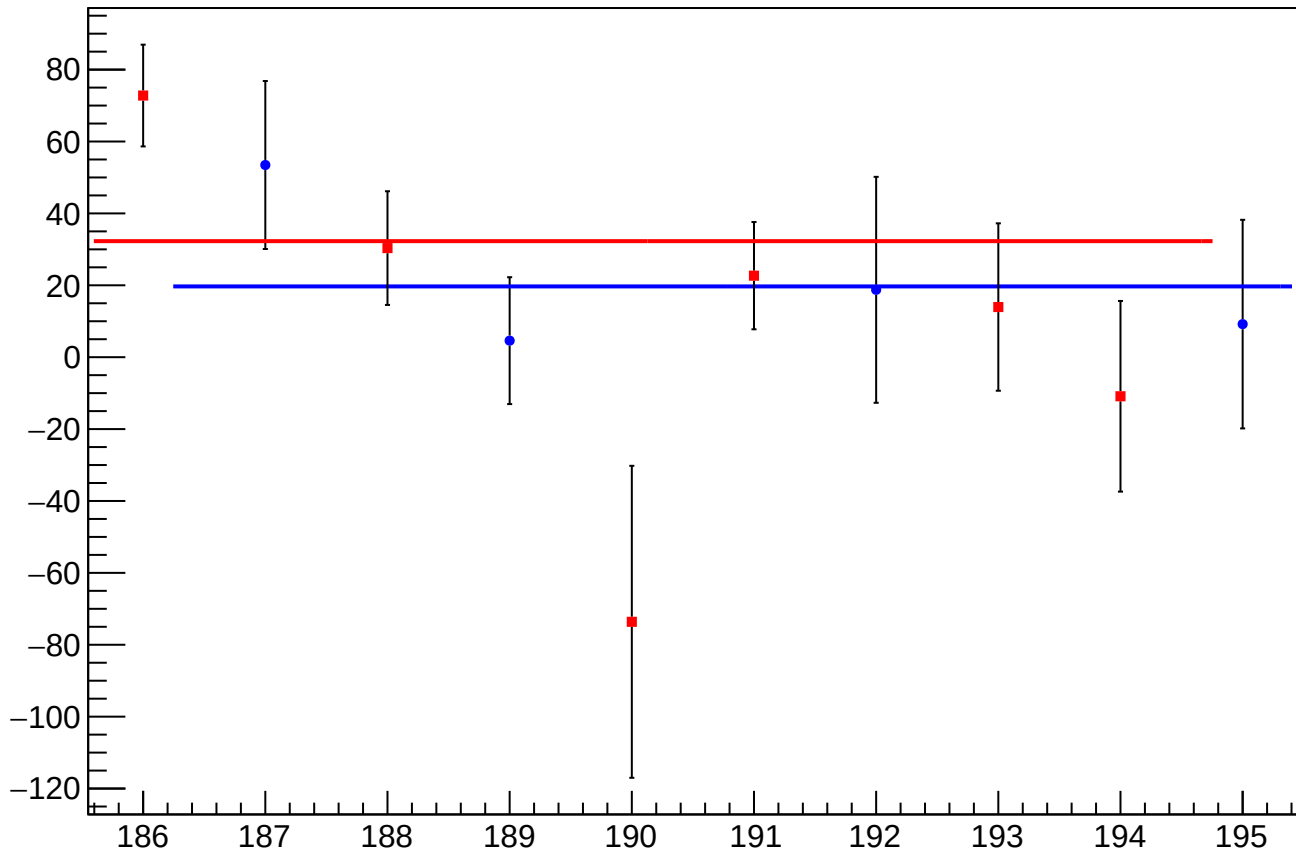
# reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug



Right In:  $698.942 \pm 5.429$   $\chi^2/\text{NDF}: 425.7/3$   
Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
Right Out:  $640.393 \pm 3.597$   $\chi^2/\text{NDF}: 4860.8/5$   
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:  $658.257 \pm 2.999$   $\chi^2/\text{NDF}: 5367.3/9$   
- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug



Right In: 19.690 $\pm$ 11.750  $\chi^2$ /NDF: 3.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 32.282 $\pm$ 7.607  $\chi^2$ /NDF: 17.8/5

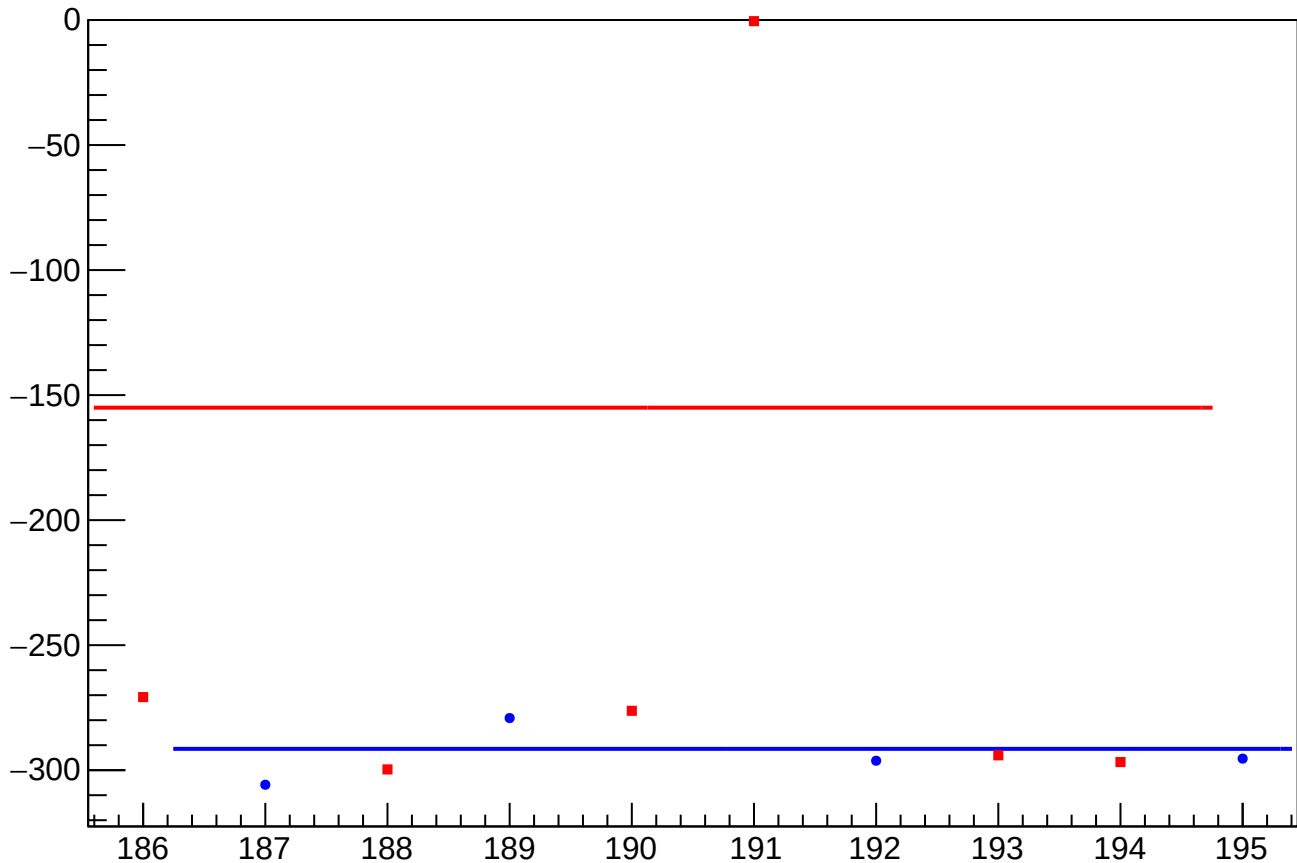
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 28.563 $\pm$ 6.386  $\chi^2$ /NDF: 21.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug



Right In:  $-291.464 \pm 0.481$   $\chi^2/\text{NDF}$ : 380.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-155.022 \pm 0.280$   $\chi^2/\text{NDF}$ : 270538.4/5

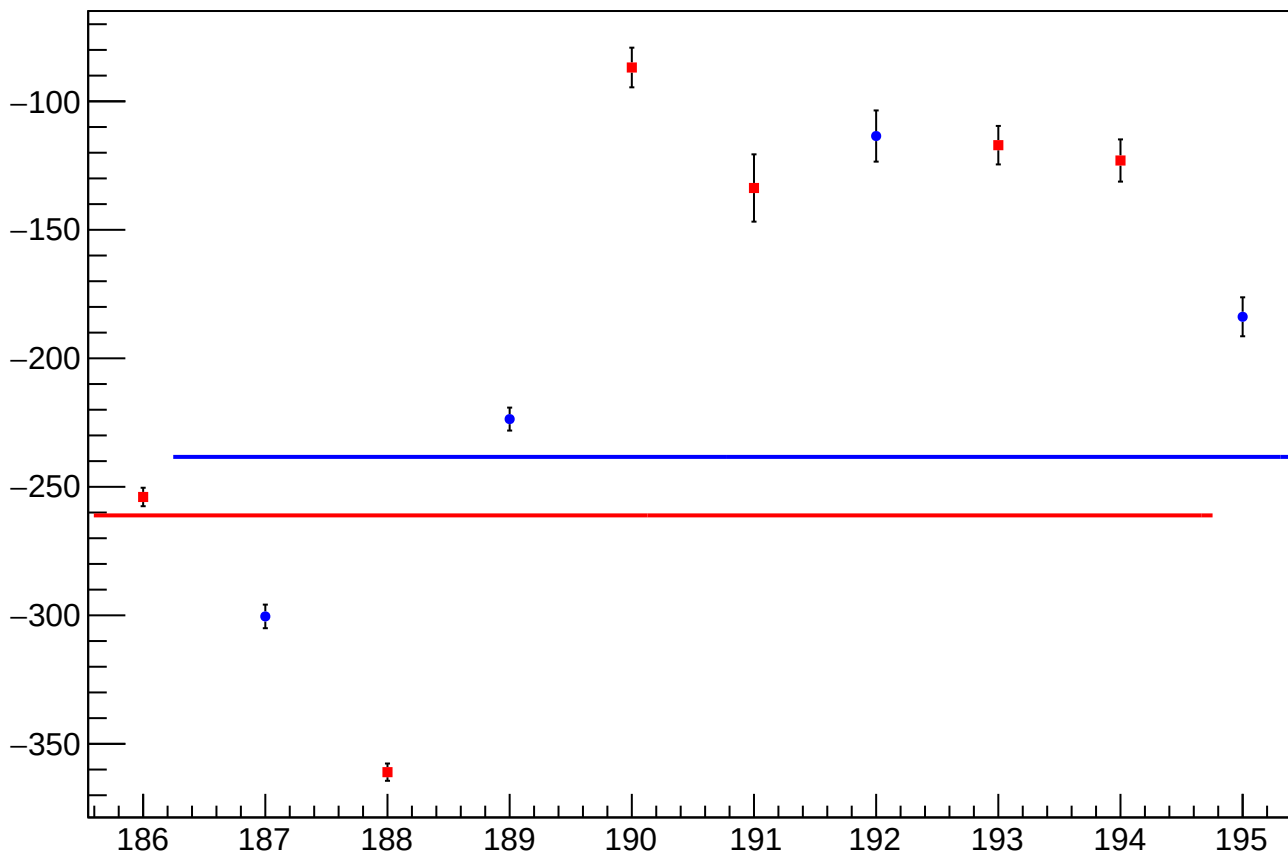
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-189.441 \pm 0.242$   $\chi^2/\text{NDF}$ : 330999.2/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-238.351 \pm 2.828$   $\chi^2/\text{NDF}$ : 402.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-261.114 \pm 2.125$   $\chi^2/\text{NDF}$ : 2144.7/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

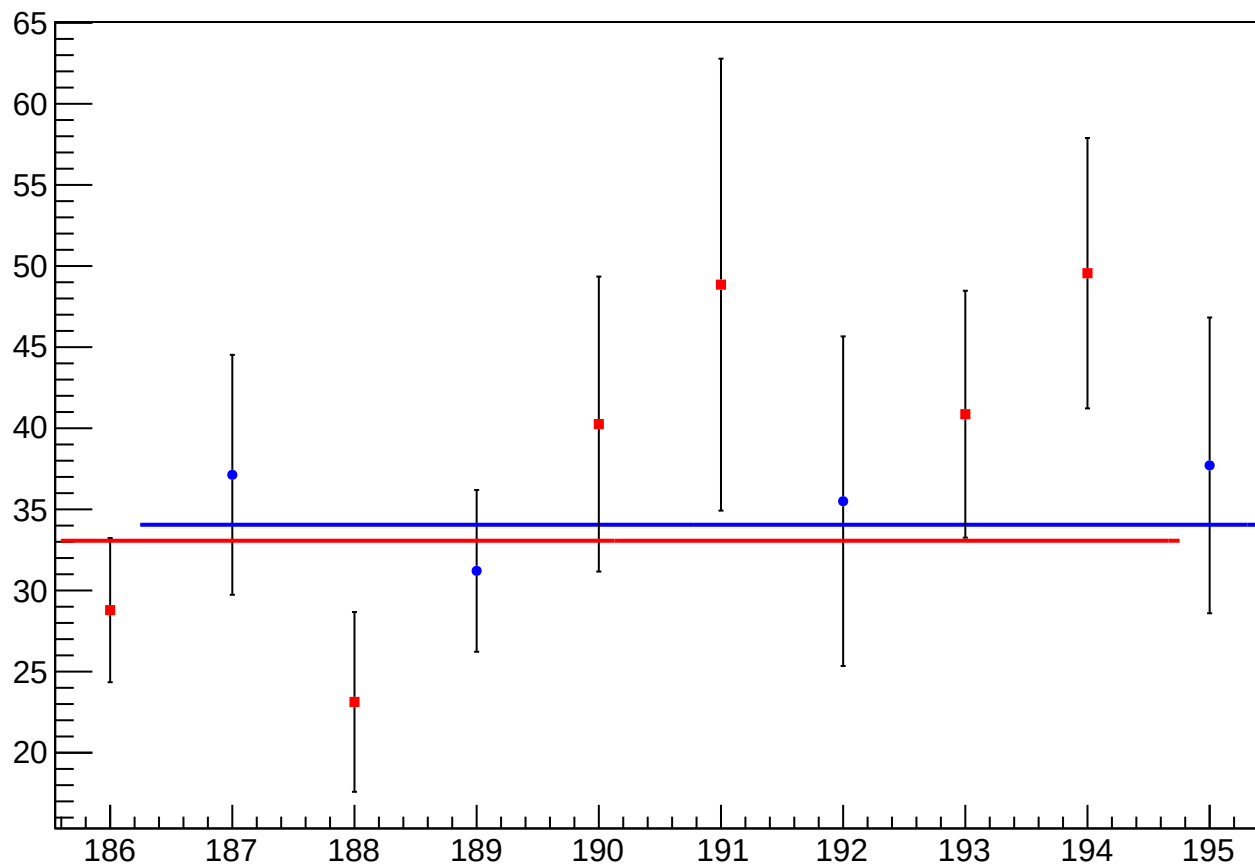
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-252.900 \pm 1.699$   $\chi^2/\text{NDF}$ : 2588.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 34.052+/-3.531  $\chi^2$ /NDF: 0.7/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 33.067+/-2.751  $\chi^2$ /NDF: 11.0/5

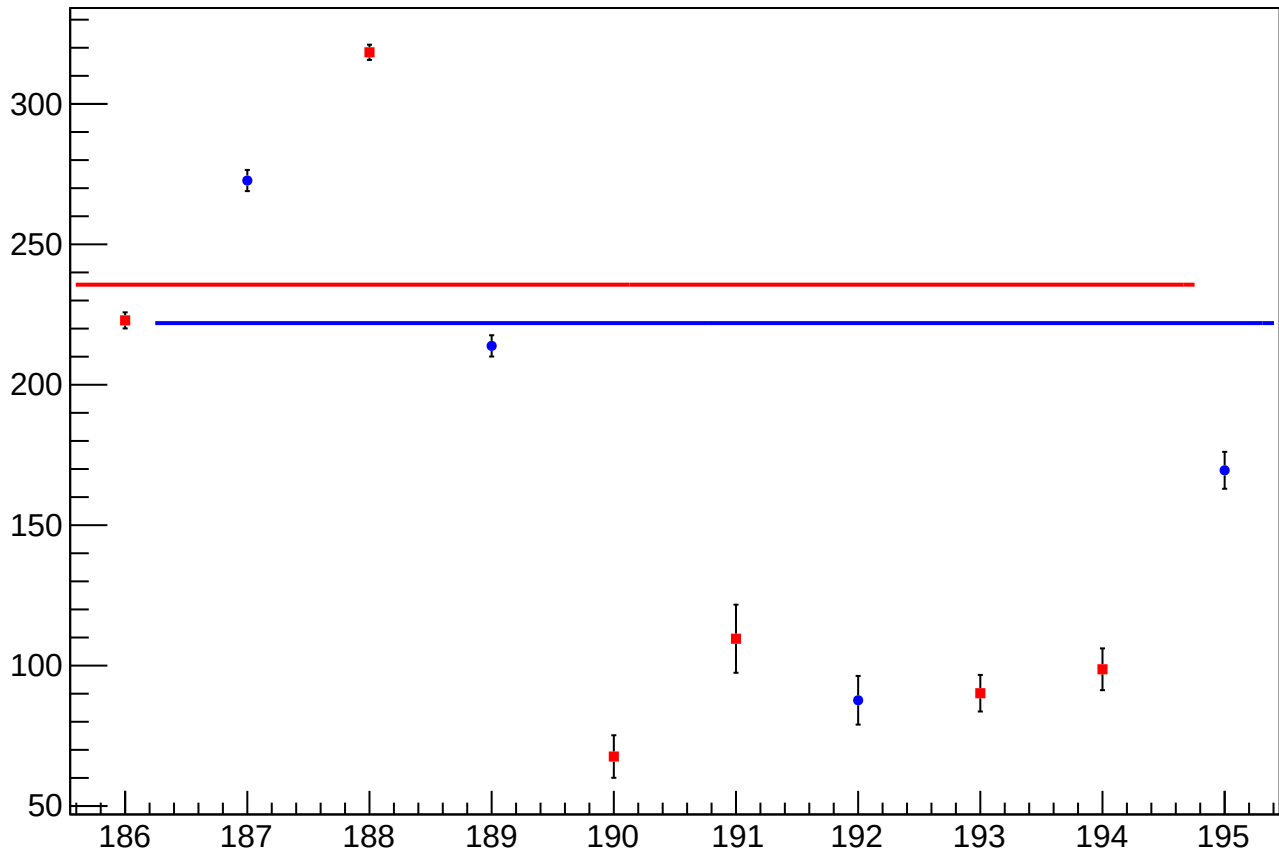
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 33.439+/-2.170  $\chi^2$ /NDF: 11.7/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 221.959 $\pm$ 2.381  $\chi^2$ /NDF: 489.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 235.642 $\pm$ 1.759  $\chi^2$ /NDF: 2387.3/5

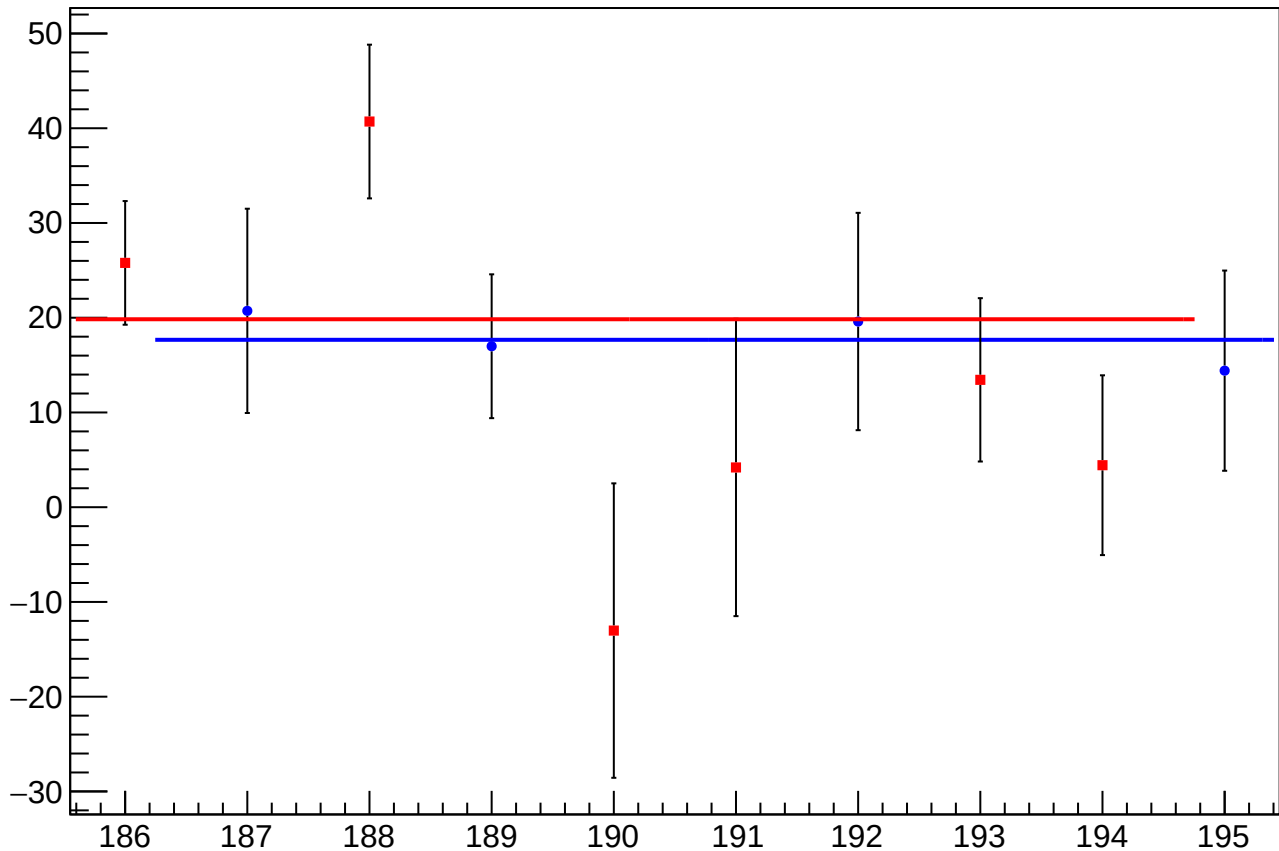
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 230.812 $\pm$ 1.415  $\chi^2$ /NDF: 2898.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 17.669+/-4.850  $\chi^2/\text{NDF}$ : 0.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.838+/-3.742  $\chi^2/\text{NDF}$ : 16.1/5

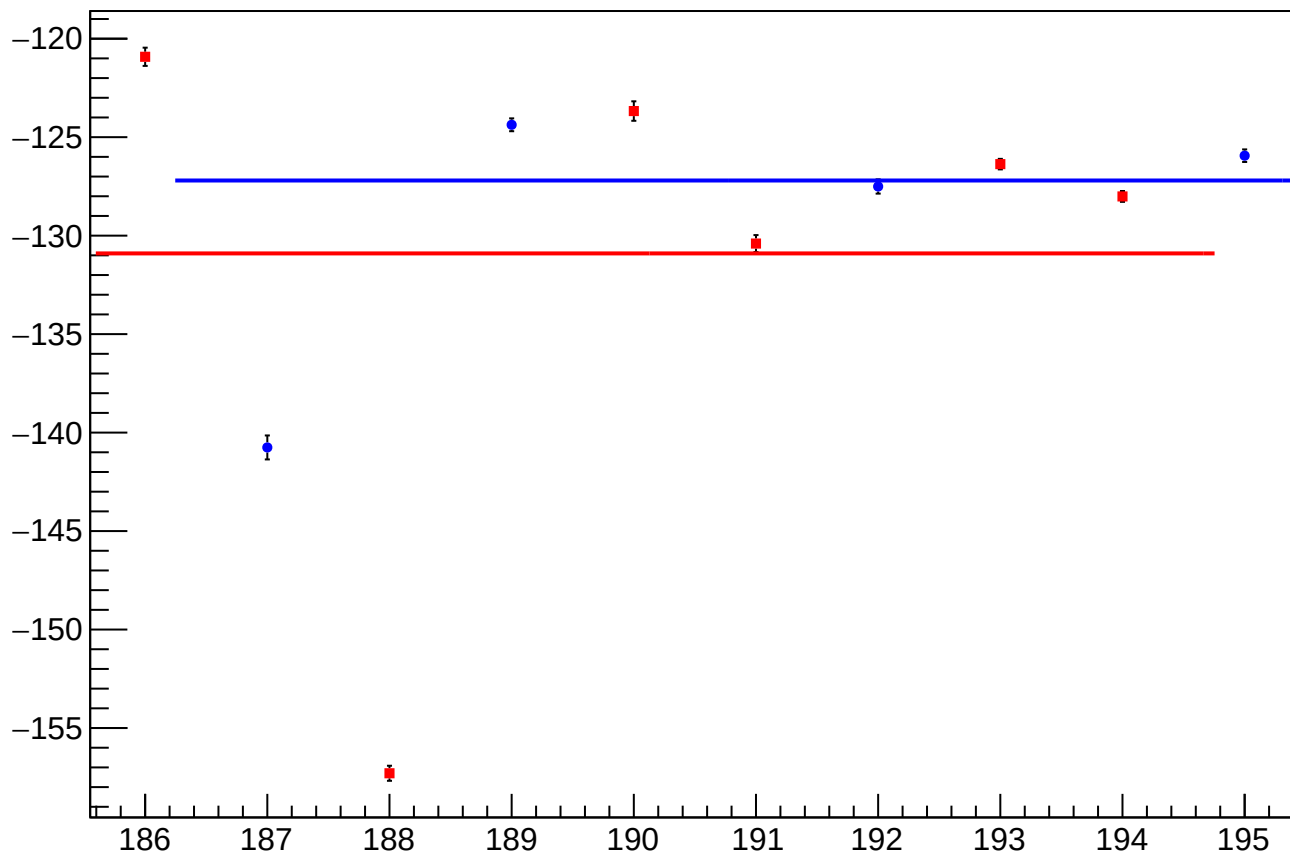
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 19.029+/-2.962  $\chi^2/\text{NDF}$ : 16.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-127.200 \pm 0.184$   $\chi^2/\text{NDF}$ : 587.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-130.902 \pm 0.144$   $\chi^2/\text{NDF}$ : 5842.1/5

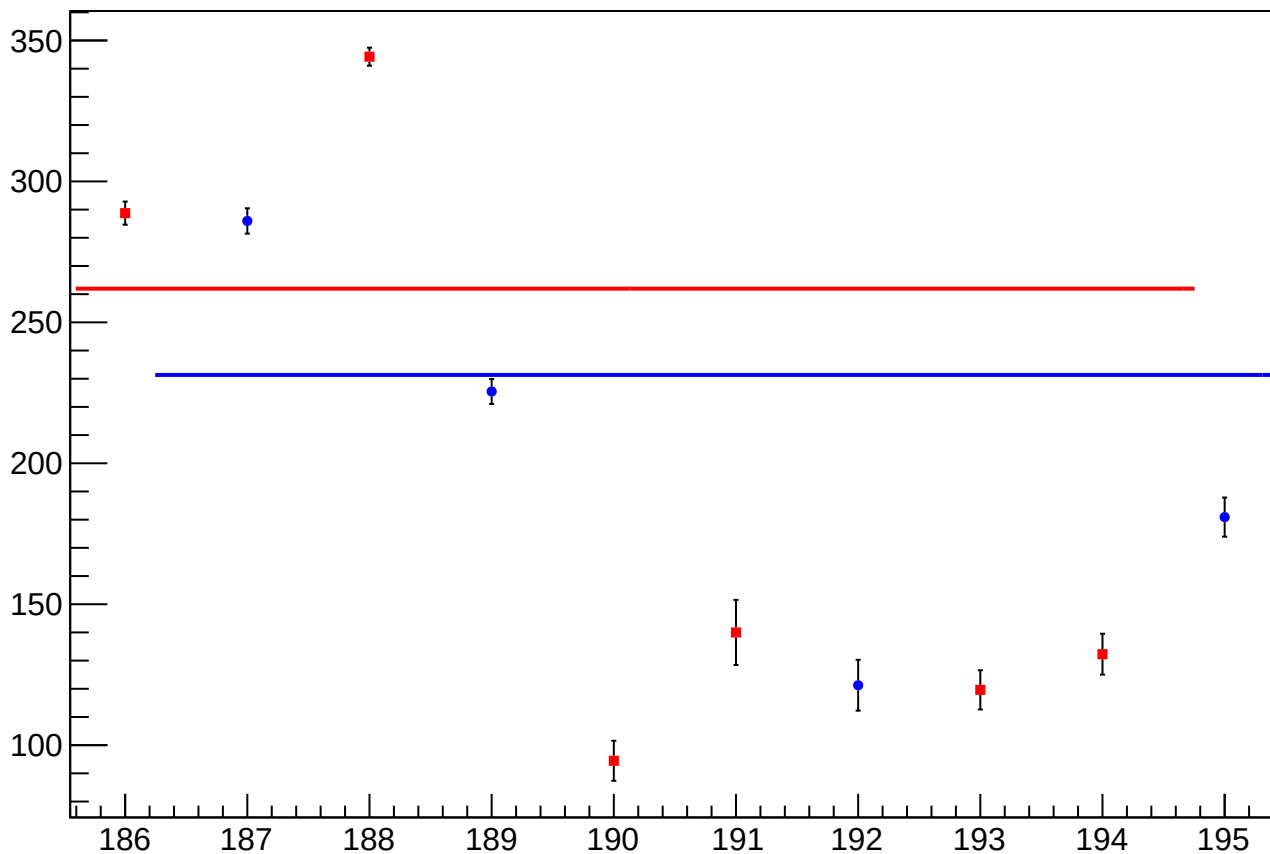
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-129.496 \pm 0.113$   $\chi^2/\text{NDF}$ : 6680.1/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 231.341 $\pm$ 2.735  $\chi^2$ /NDF: 350.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 261.957 $\pm$ 2.113  $\chi^2$ /NDF: 2110.8/5

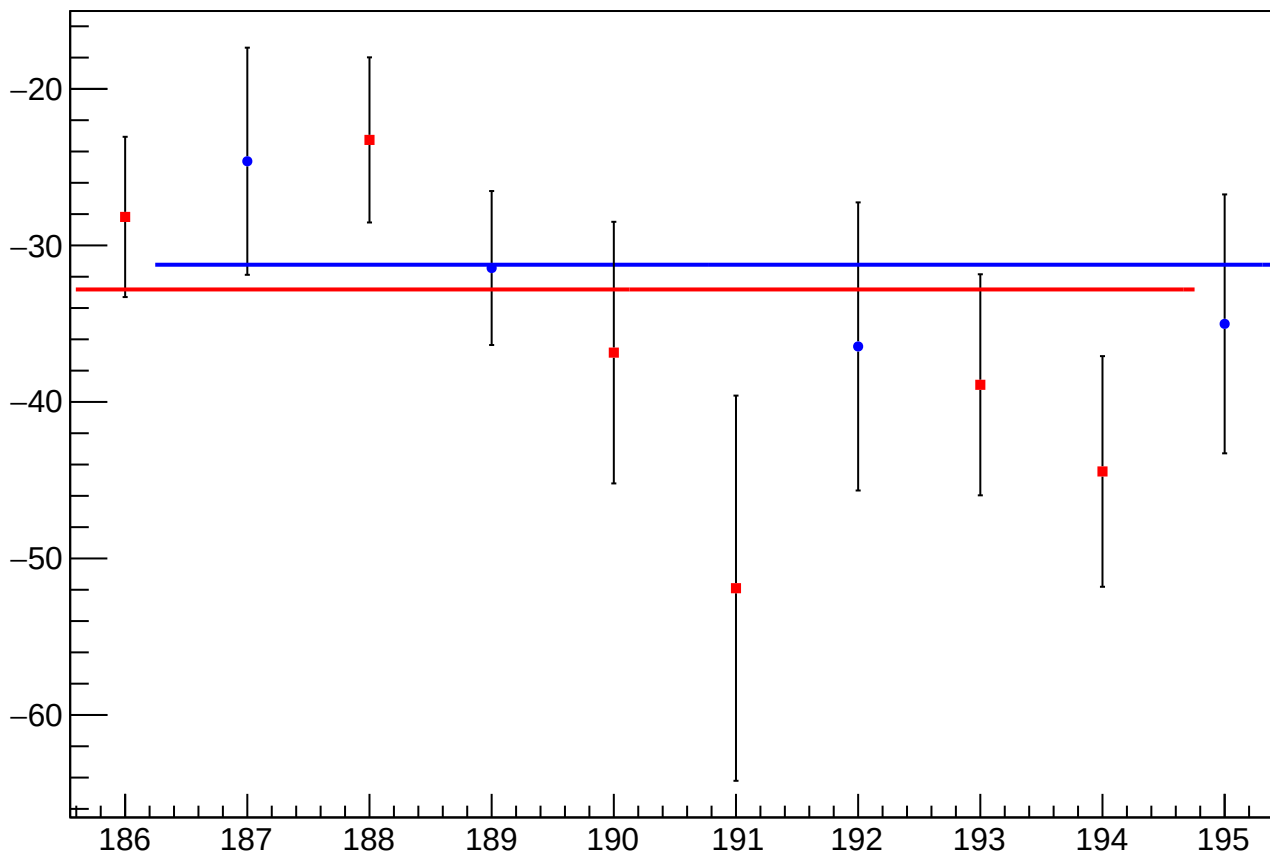
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 250.514 $\pm$ 1.672  $\chi^2$ /NDF: 2540.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -31.234 $\pm$ 3.395  $\chi^2$ /NDF: 1.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -32.814 $\pm$ 2.737  $\chi^2$ /NDF: 10.0/5

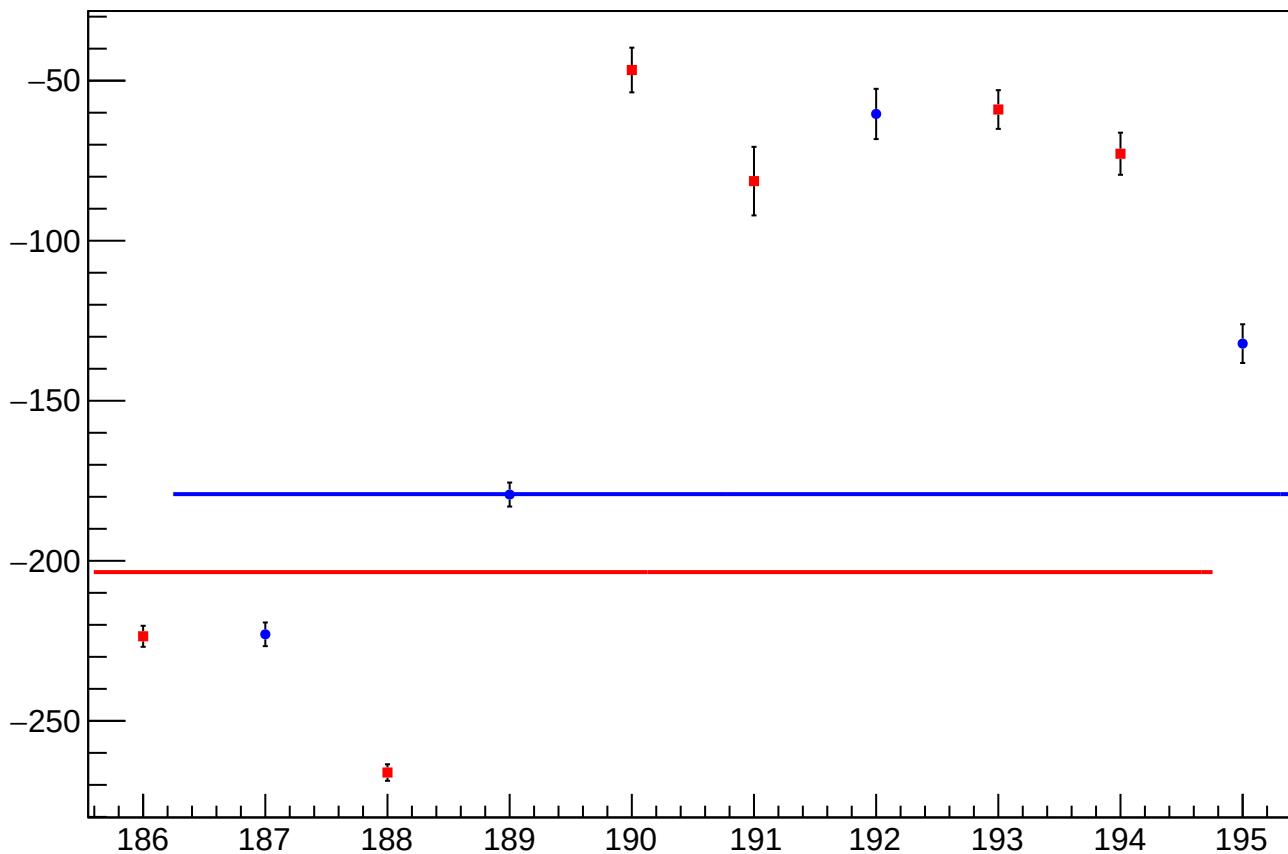
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -32.191 $\pm$ 2.131  $\chi^2$ /NDF: 11.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-179.168 \pm 2.308$   $\chi^2/\text{NDF}$ : 429.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-203.528 \pm 1.761$   $\chi^2/\text{NDF}$ : 2226.6/5

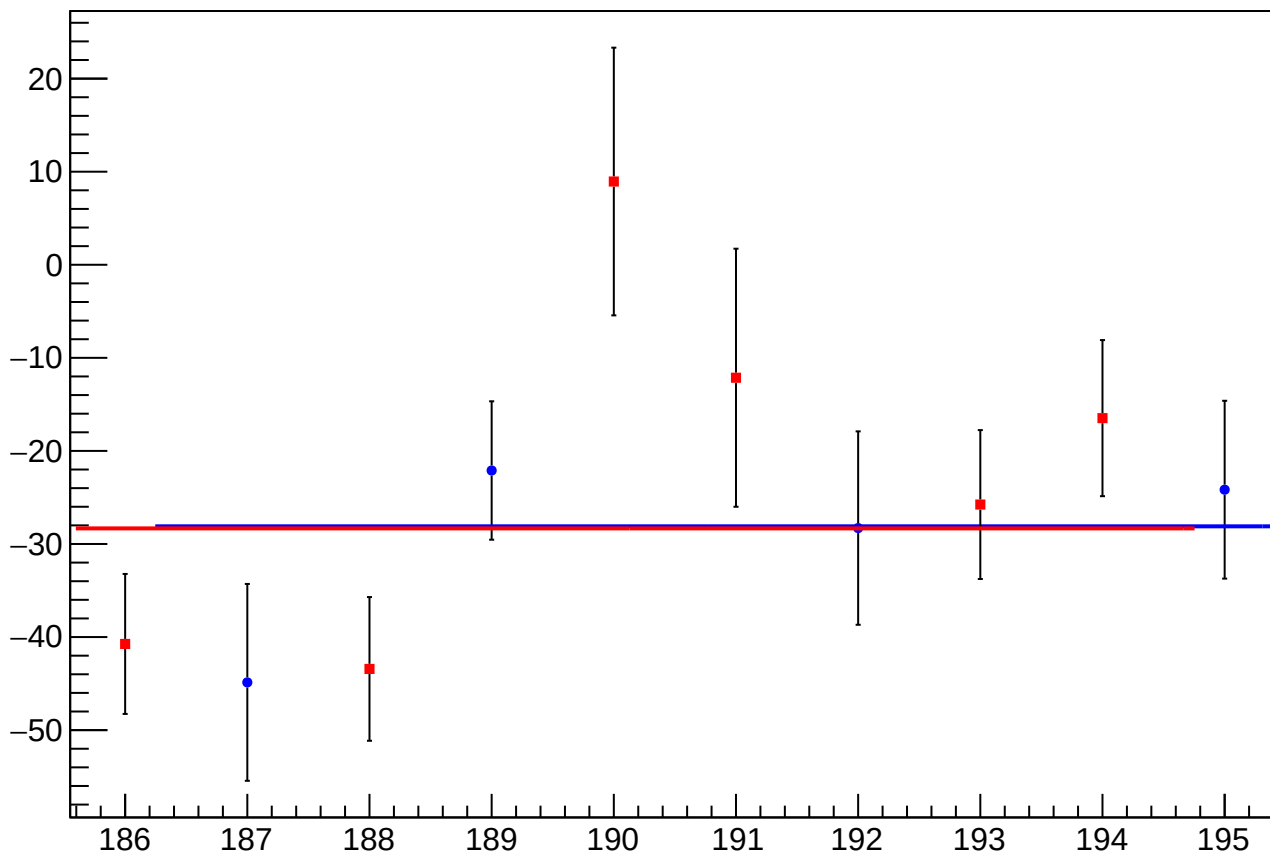
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-194.565 \pm 1.400$   $\chi^2/\text{NDF}$ : 2726.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: -28.104 $\pm$ 4.601  $\chi^2$ /NDF: 3.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -28.325 $\pm$ 3.668  $\chi^2$ /NDF: 16.7/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

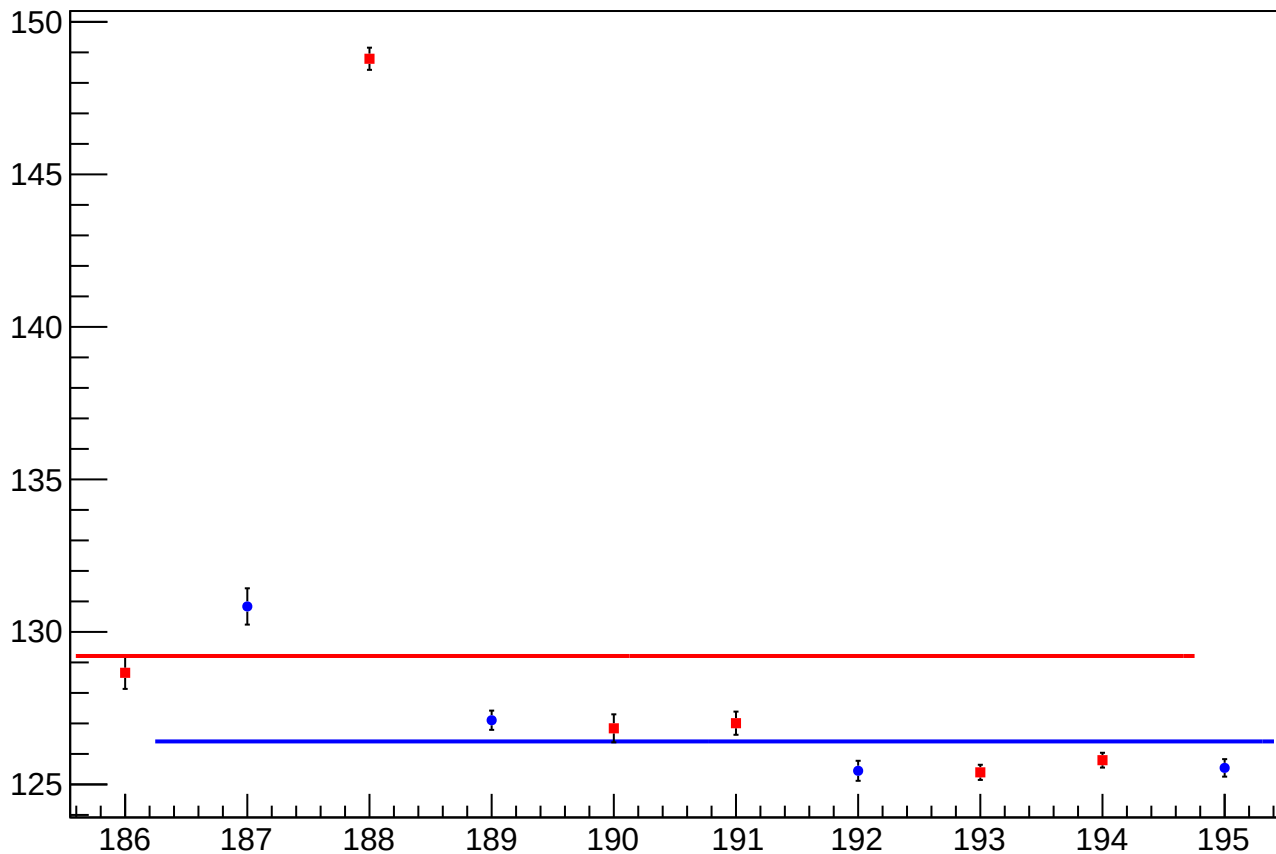
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -28.239 $\pm$ 2.868  $\chi^2$ /NDF: 20.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 126.410 $\pm$ 0.171  $\chi^2$ /NDF: 77.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 129.211 $\pm$ 0.134  $\chi^2$ /NDF: 3397.4/5

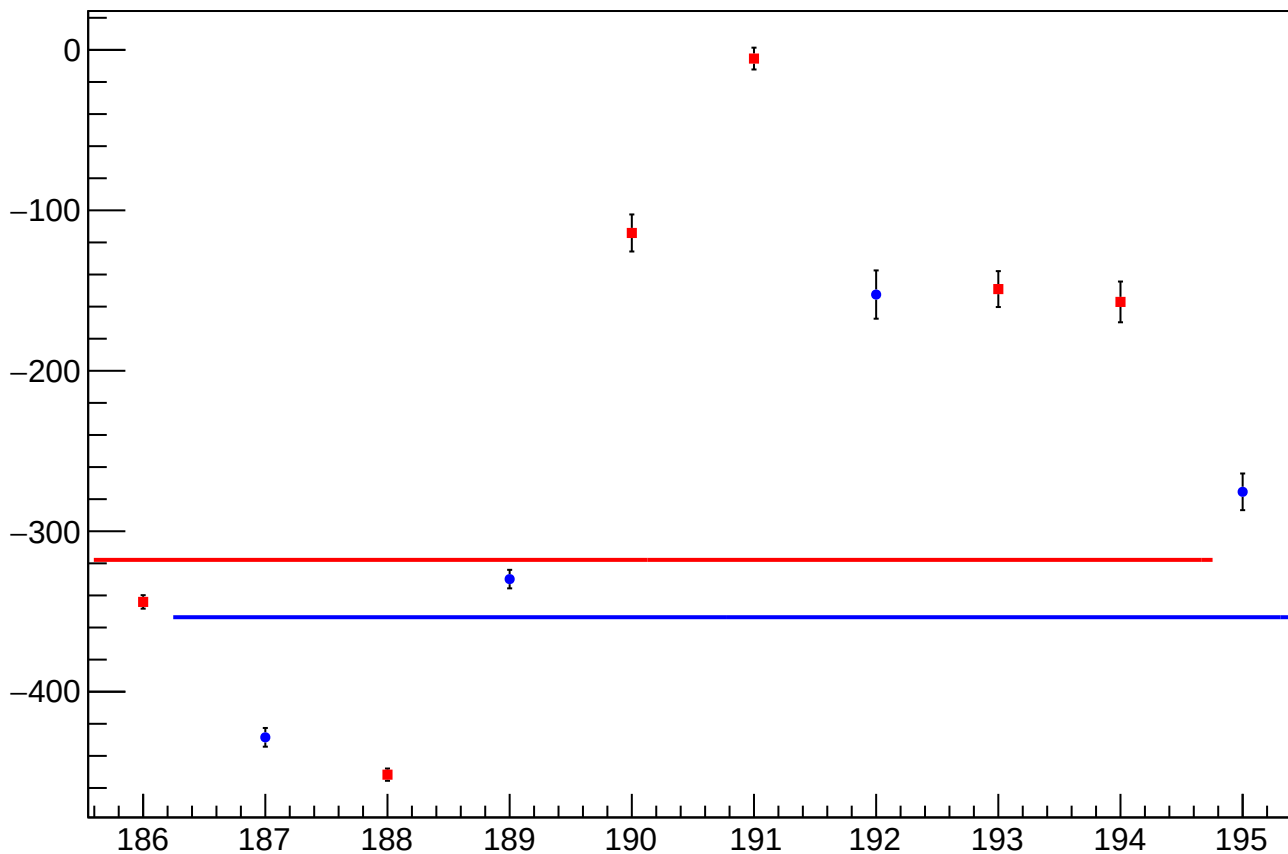
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 128.146 $\pm$ 0.105  $\chi^2$ /NDF: 3642.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -353.574+/-3.739  $\chi^2/\text{NDF}$ : 407.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -317.840+/-2.438  $\chi^2/\text{NDF}$ : 4076.6/5

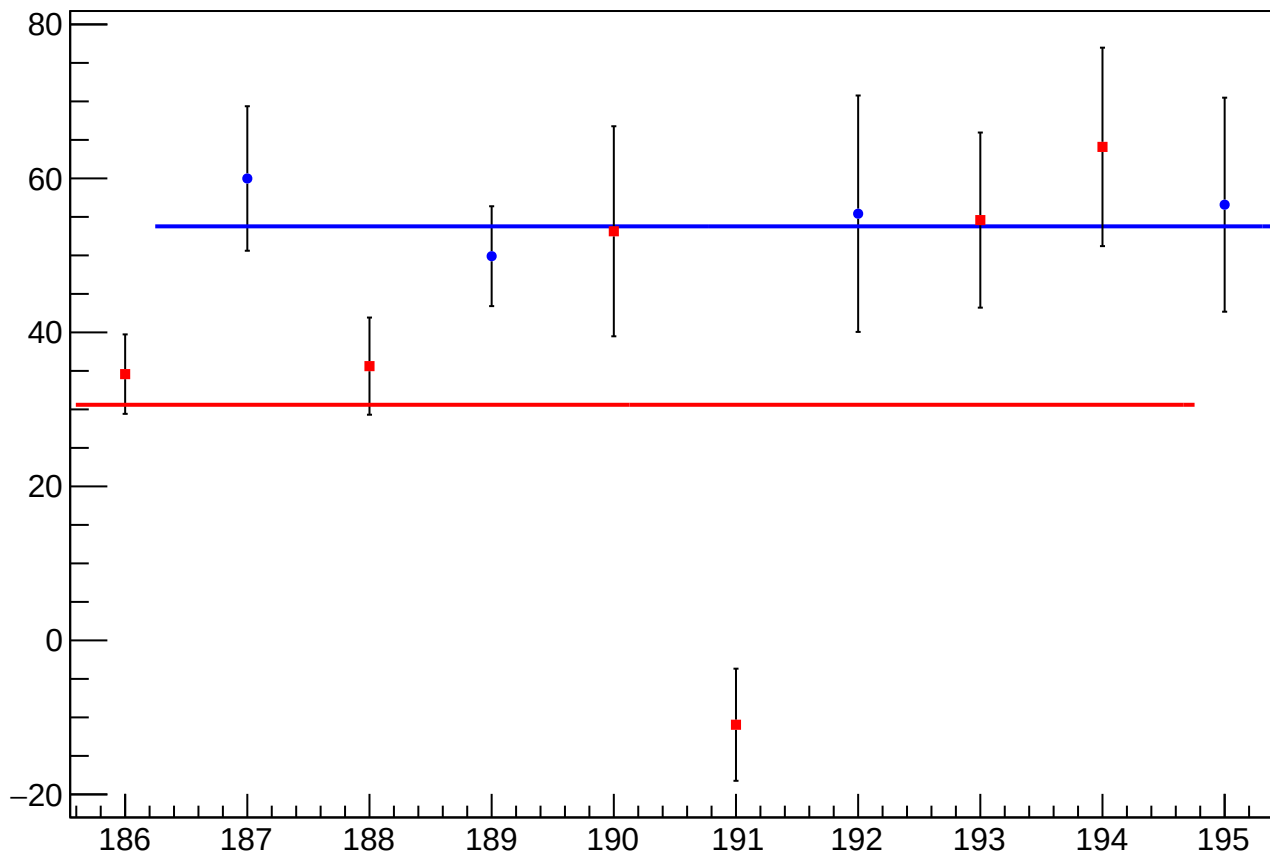
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -328.497+/-2.042  $\chi^2/\text{NDF}$ : 4547.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 53.772 $\pm$ 4.737  $\chi^2$ /NDF: 0.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 30.600 $\pm$ 3.152  $\chi^2$ /NDF: 47.7/5

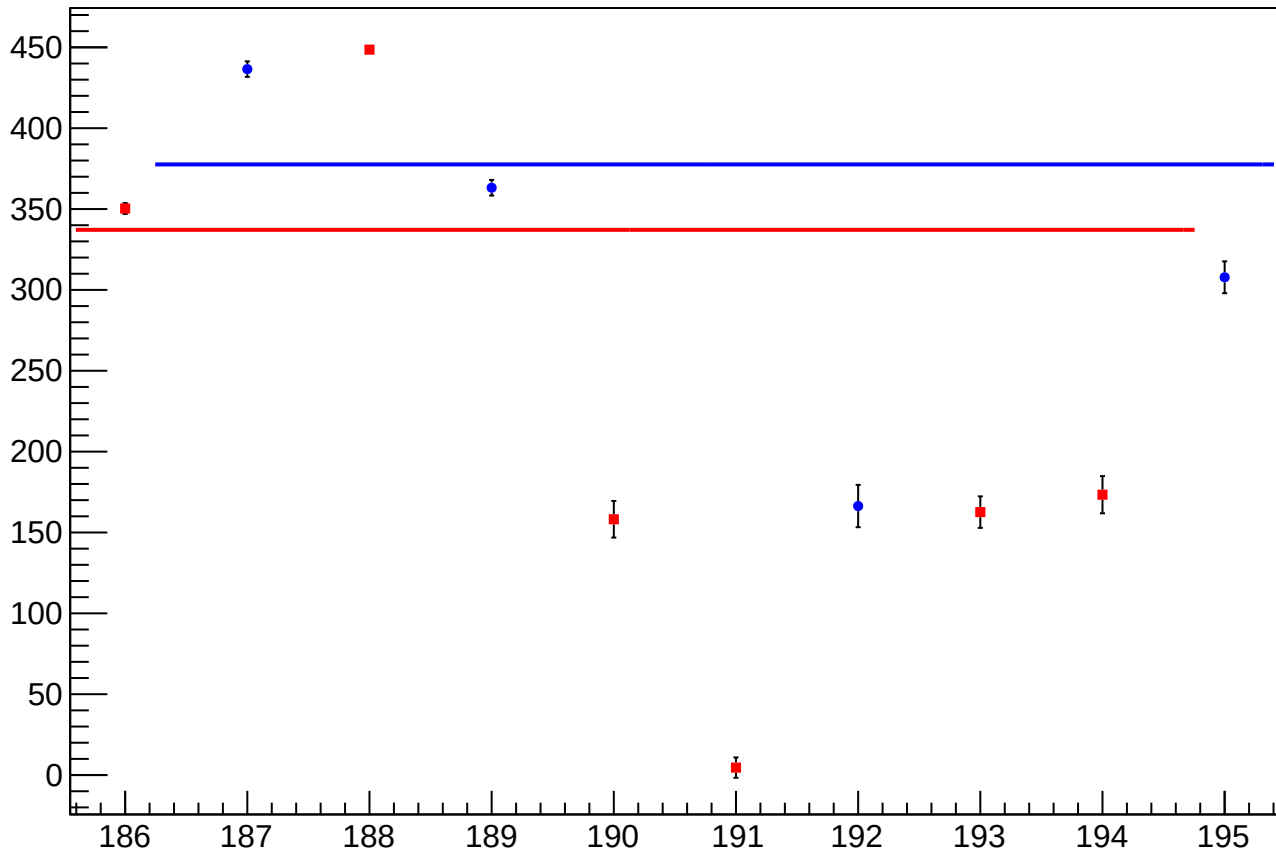
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 37.710 $\pm$ 2.624  $\chi^2$ /NDF: 65.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 377.592 $\pm$ 3.124  $\chi^2$ /NDF: 470.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 337.148 $\pm$ 2.020  $\chi^2$ /NDF: 4887.3/5

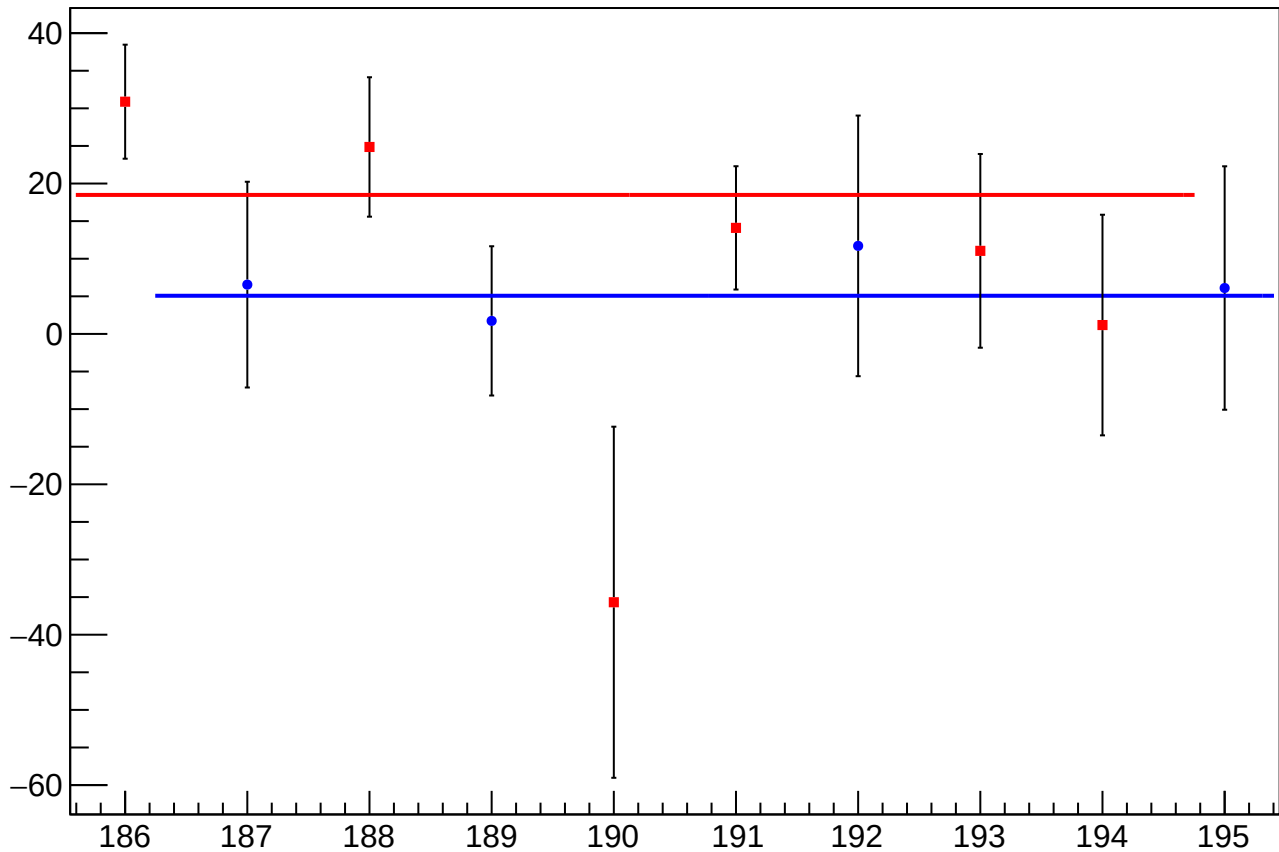
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 349.066 $\pm$ 1.696  $\chi^2$ /NDF: 5476.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 5.076+/-6.646  $\chi^2/\text{NDF}$ : 0.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 18.485+/-4.211  $\chi^2/\text{NDF}$ : 10.5/5

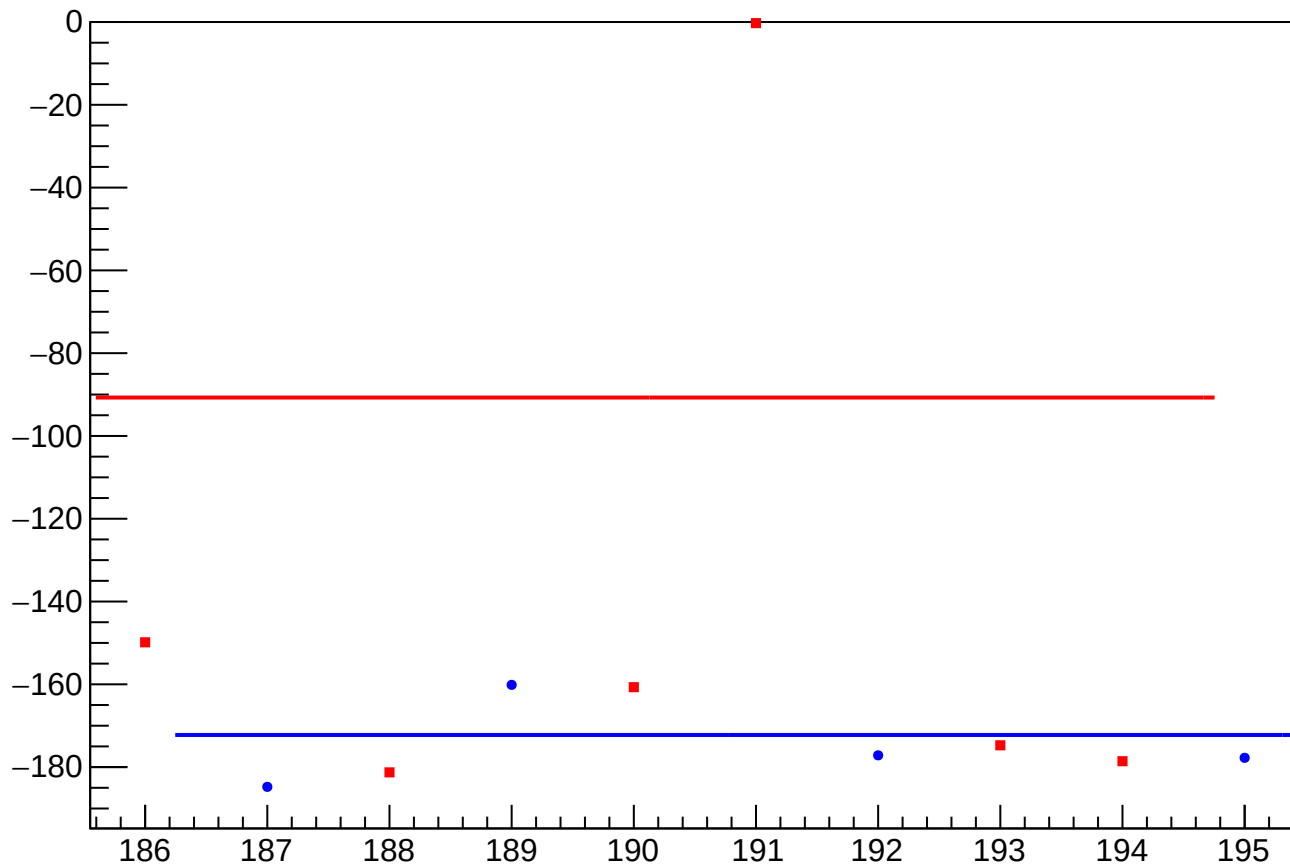
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 14.645+/-3.557  $\chi^2/\text{NDF}$ : 13.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-172.234 \pm 0.266$   $\chi^2/\text{NDF}: 1195.2/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-90.718 \pm 0.155$   $\chi^2/\text{NDF}: 311495.7/5$

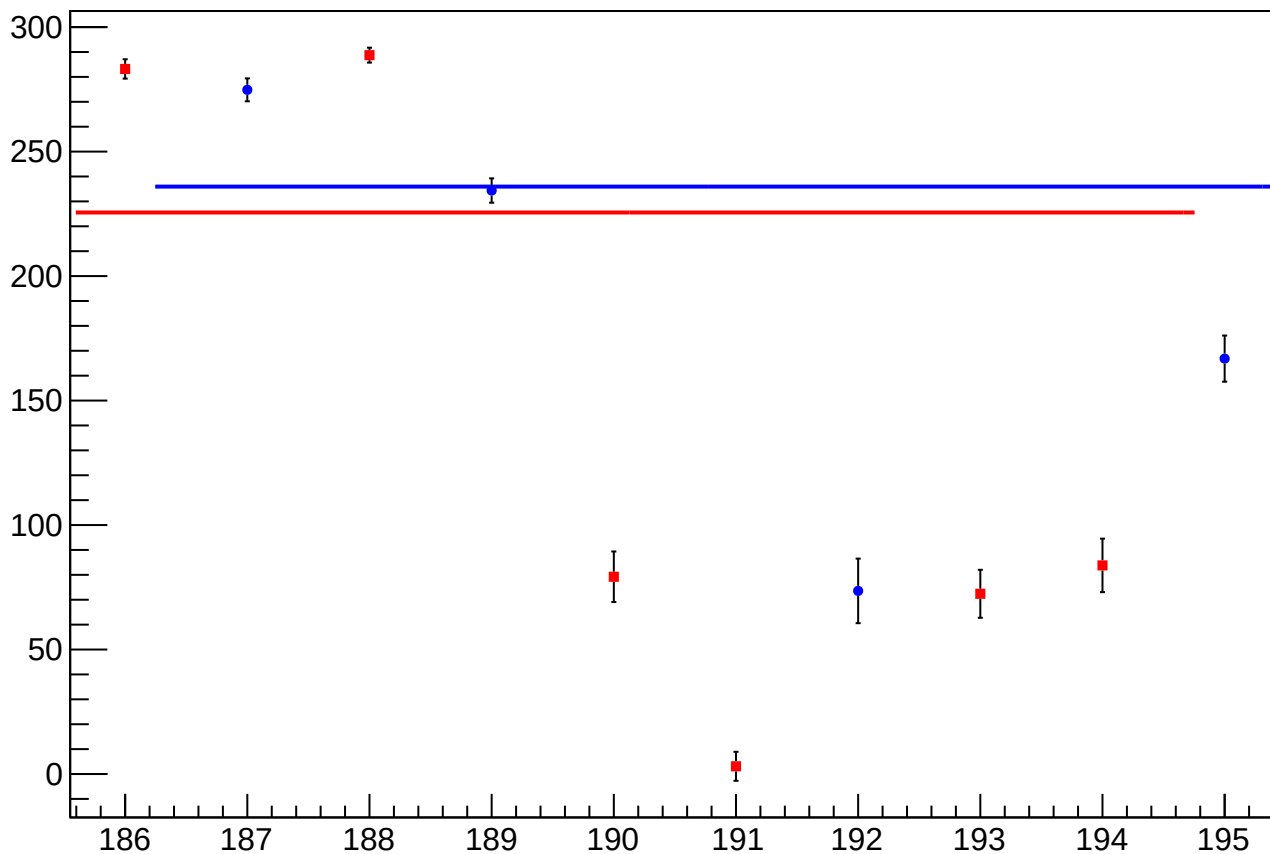
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-111.233 \pm 0.134$   $\chi^2/\text{NDF}: 382746.1/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 235.943 $\pm$ 3.062  $\chi^2$ /NDF: 283.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 225.540 $\pm$ 2.058  $\chi^2$ /NDF: 2756.9/5

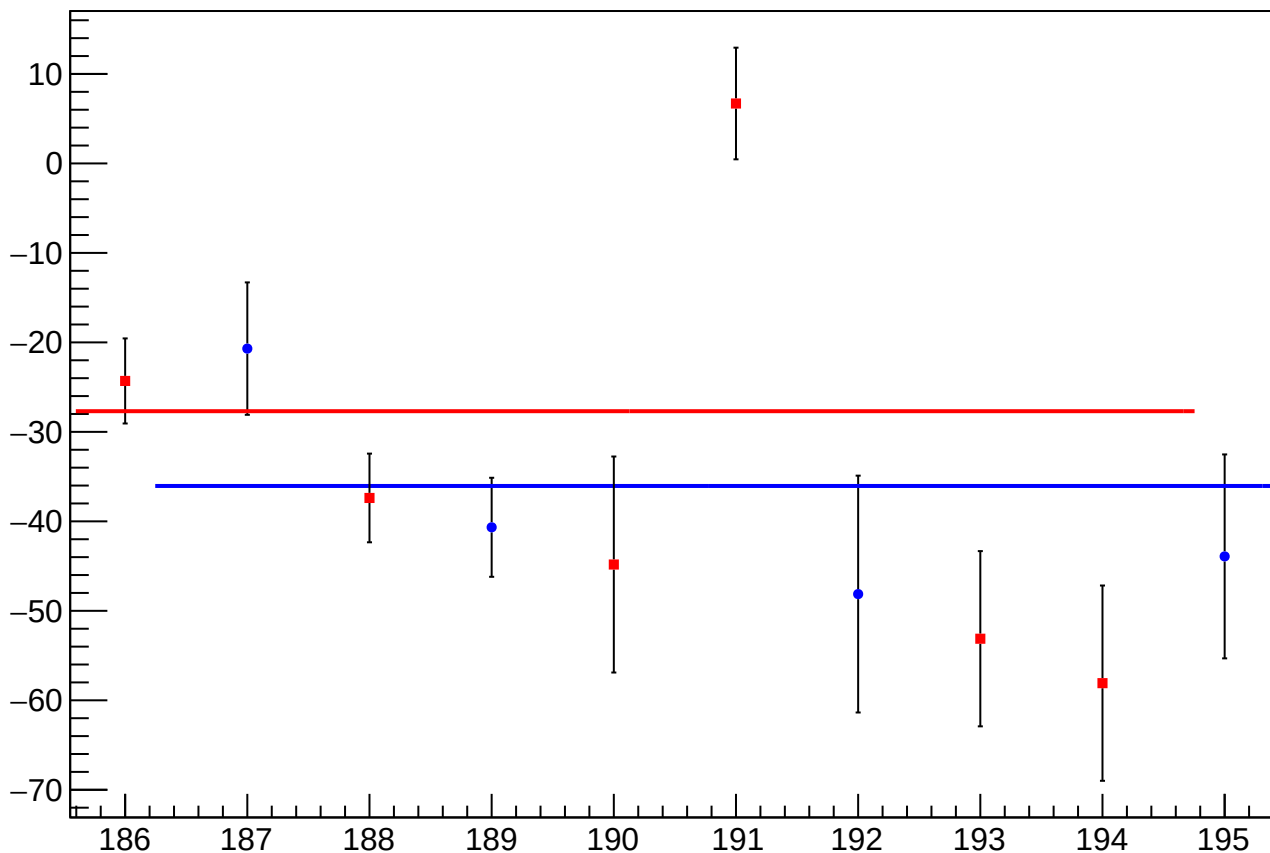
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 228.777 $\pm$ 1.708  $\chi^2$ /NDF: 3048.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-36.045 \pm 3.943$   $\chi^2/\text{NDF}$ : 6.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-27.689 \pm 2.708$   $\chi^2/\text{NDF}$ : 51.2/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

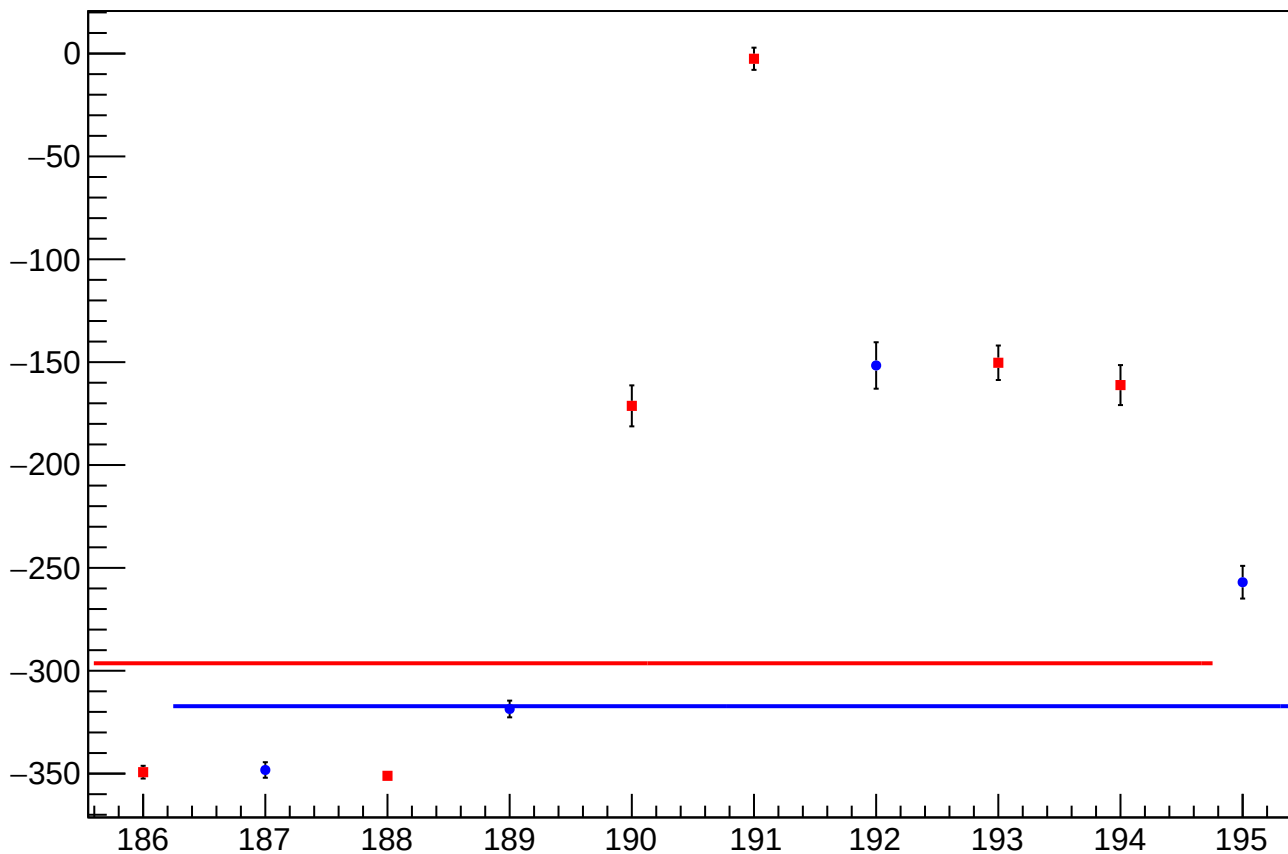
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-30.368 \pm 2.232$   $\chi^2/\text{NDF}$ : 60.6/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-317.232 \pm 2.546$   $\chi^2/\text{NDF}: 340.1/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-296.369 \pm 1.703$   $\chi^2/\text{NDF}: 4428.1/5$

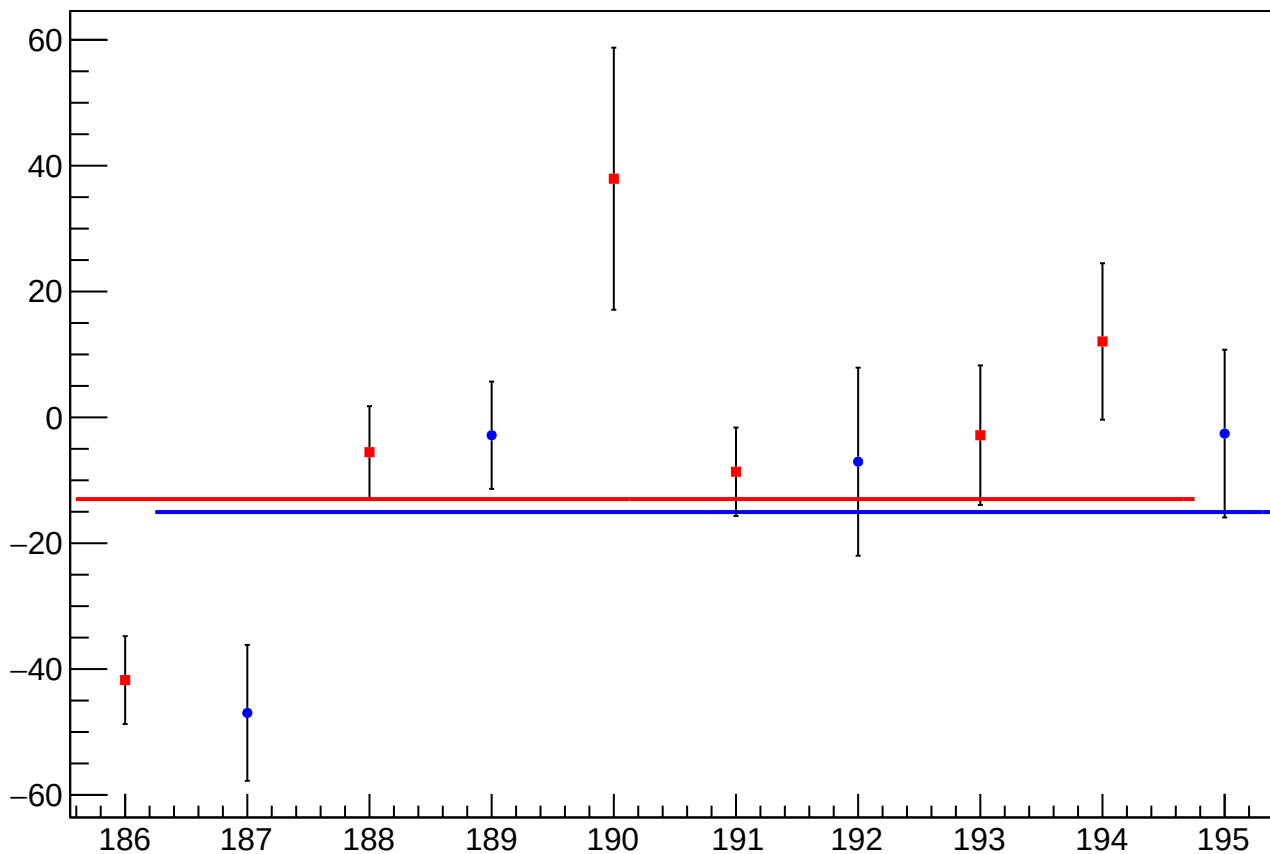
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-302.822 \pm 1.416$   $\chi^2/\text{NDF}: 4814.6/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-15.047 \pm 5.550$   $\chi^2/\text{NDF}: 12.0/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-12.982 \pm 3.618$   $\chi^2/\text{NDF}: 29.3/5$

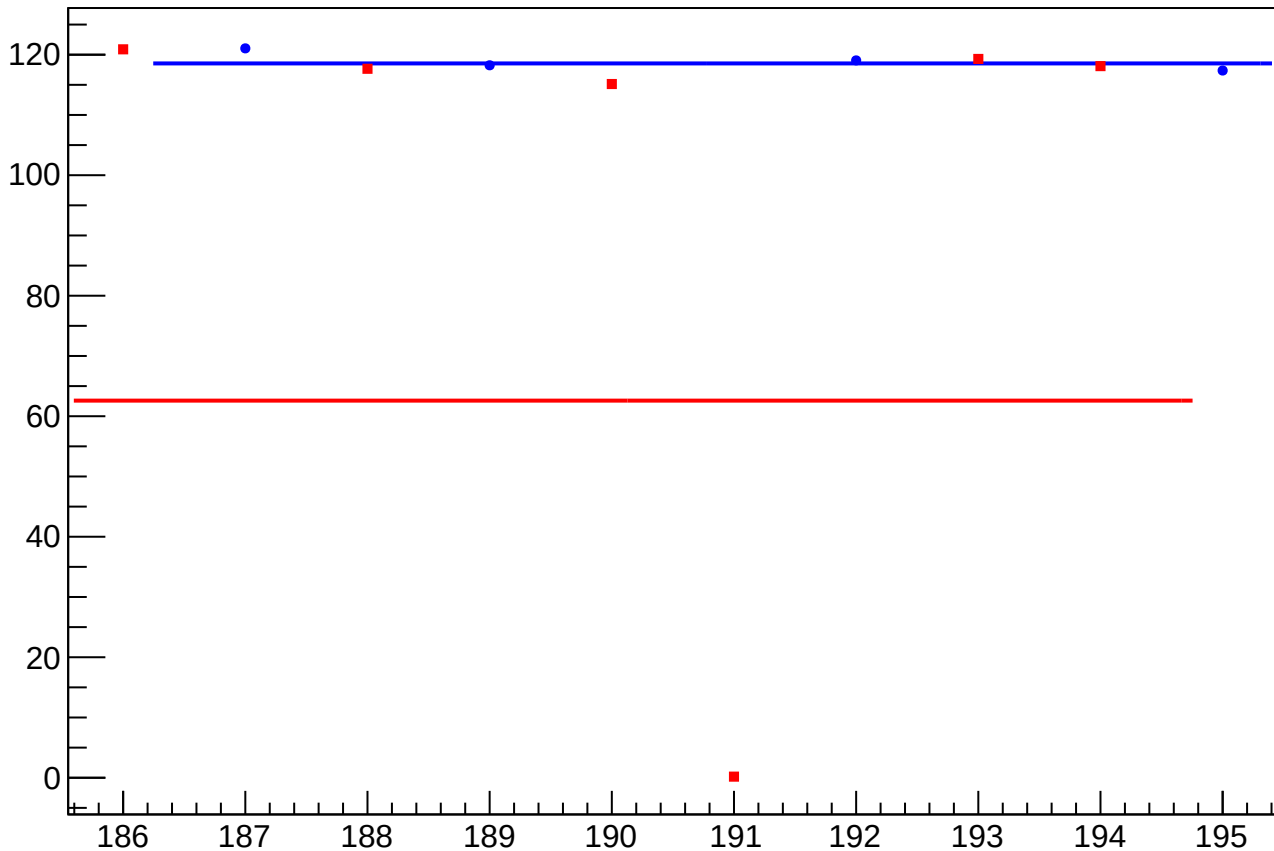
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-13.598 \pm 3.031$   $\chi^2/\text{NDF}: 41.3/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 118.552 $\pm$ 0.228  $\chi^2$ /NDF: 26.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 62.590 $\pm$ 0.132  $\chi^2$ /NDF: 199712.0/5

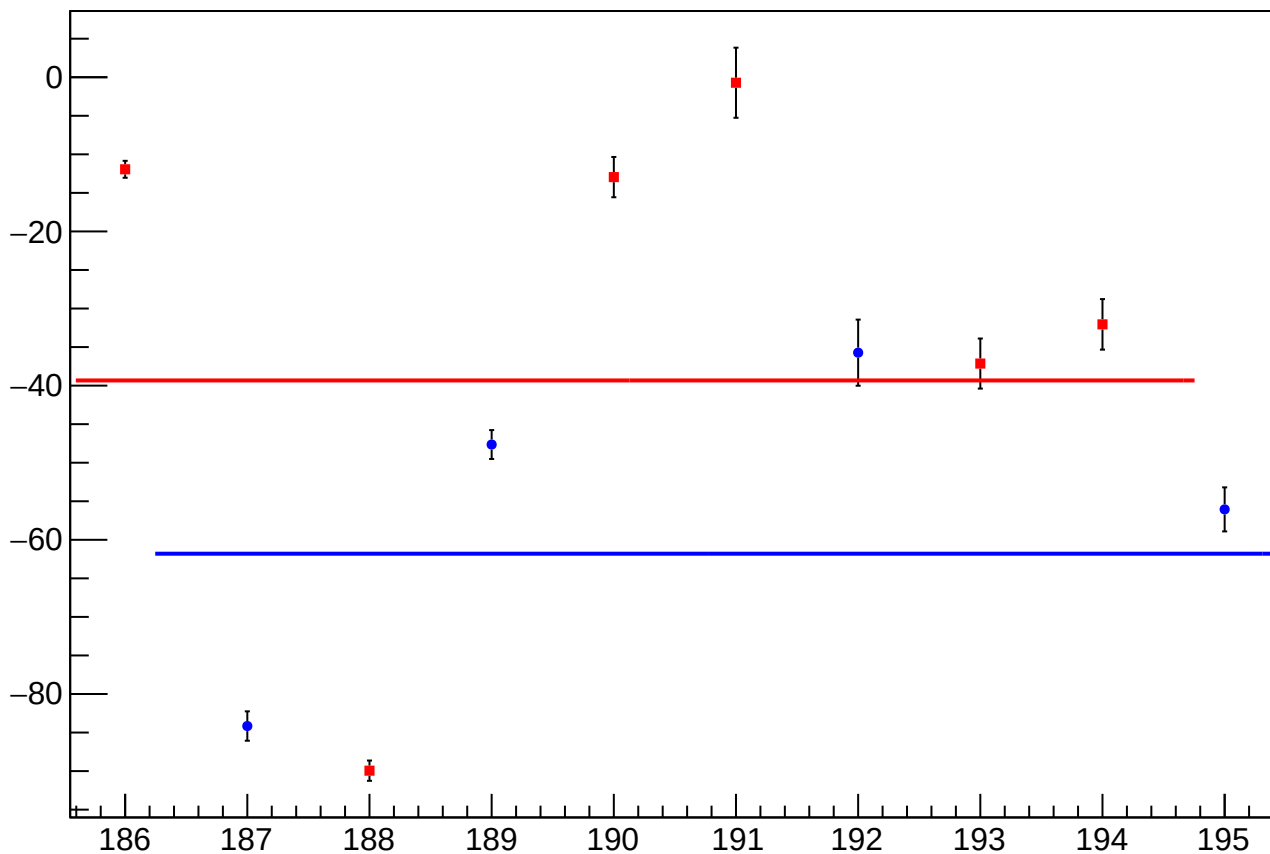
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 76.631 $\pm$ 0.114  $\chi^2$ /NDF: 244733.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-61.802 \pm 1.165$   $\chi^2/\text{NDF}$ : 235.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.329 \pm 0.747$   $\chi^2/\text{NDF}$ : 2286.2/5

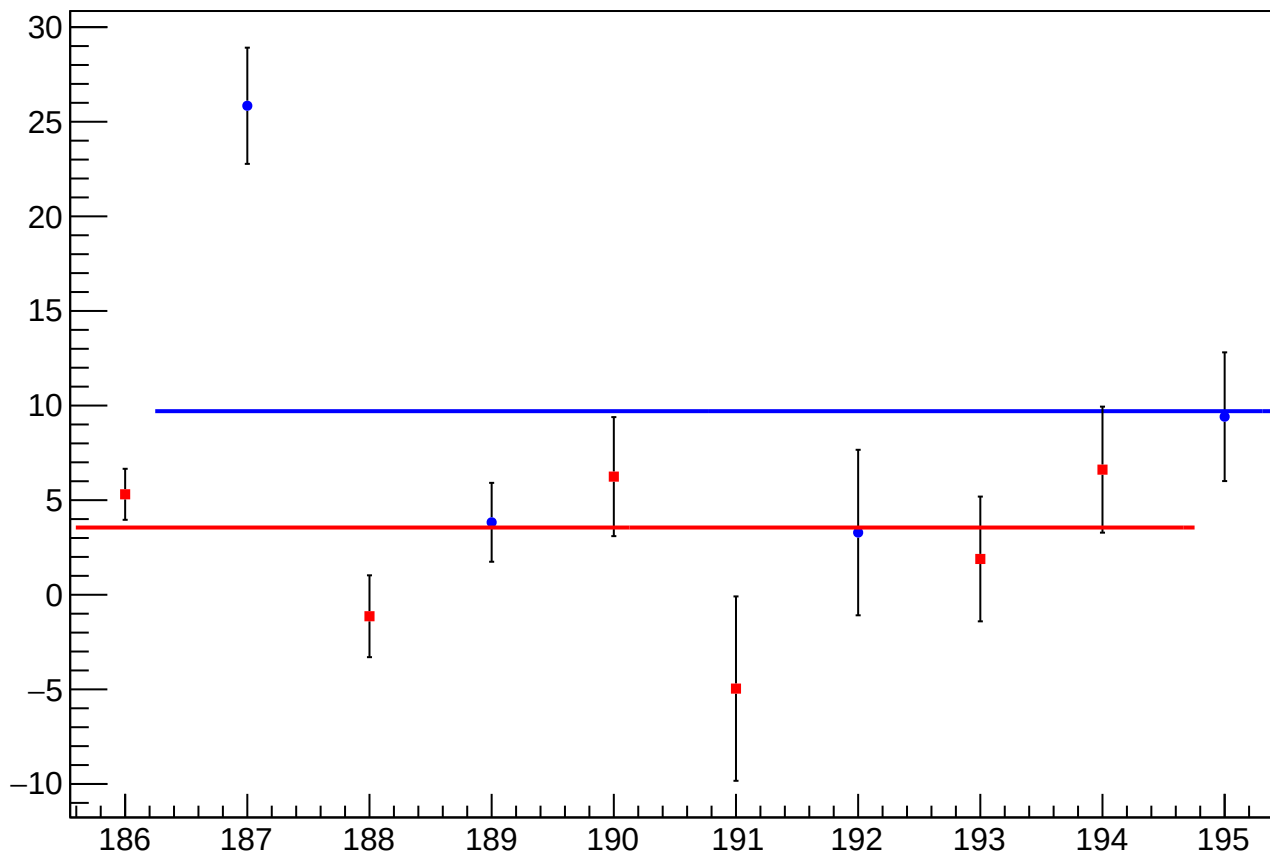
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-45.879 \pm 0.629$   $\chi^2/\text{NDF}$ : 2785.6/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 9.703 $\pm$ 1.451  $\chi^2$ /NDF: 37.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.554 $\pm$ 0.958  $\chi^2$ /NDF: 11.3/5

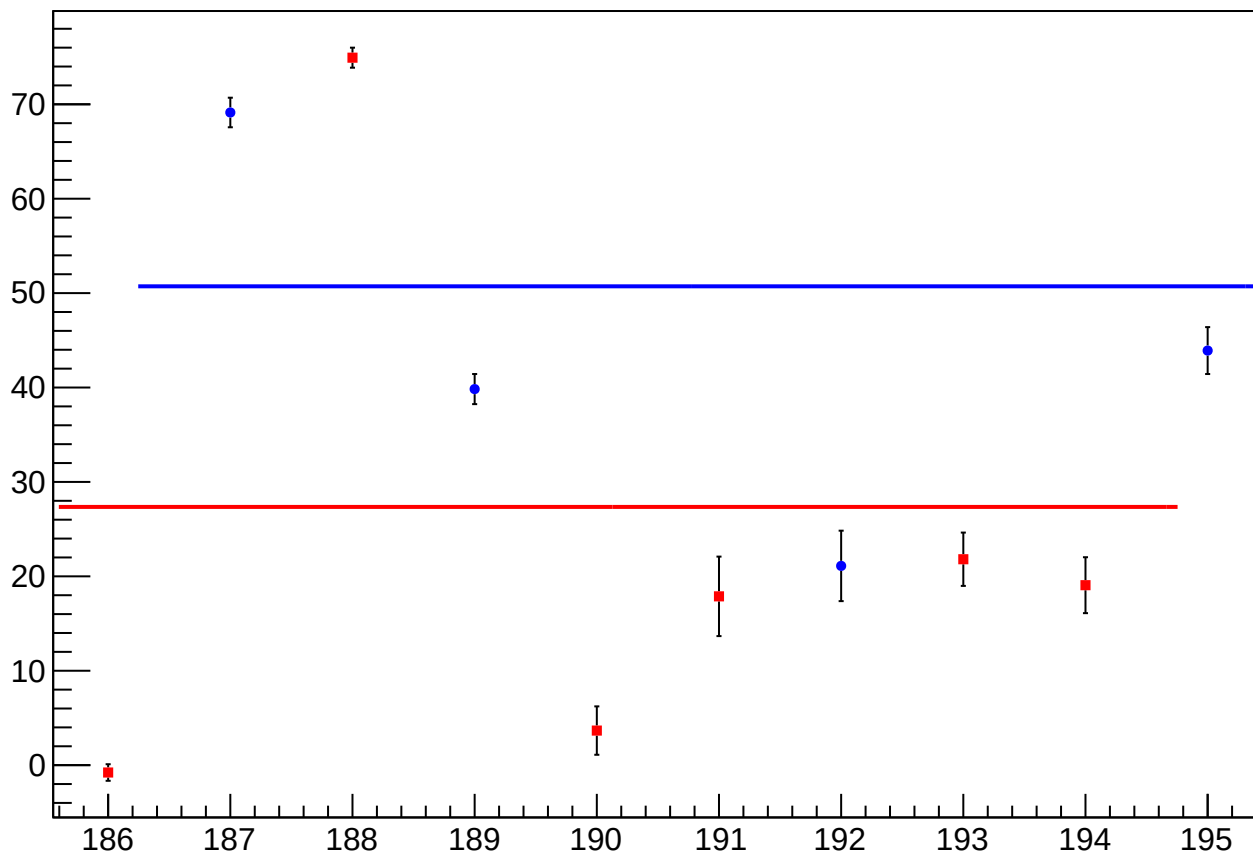
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.421 $\pm$ 0.800  $\chi^2$ /NDF: 61.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 50.720 $\pm$ 0.983  $\chi^2$ /NDF: 255.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 27.353 $\pm$ 0.616  $\chi^2$ /NDF: 3141.4/5

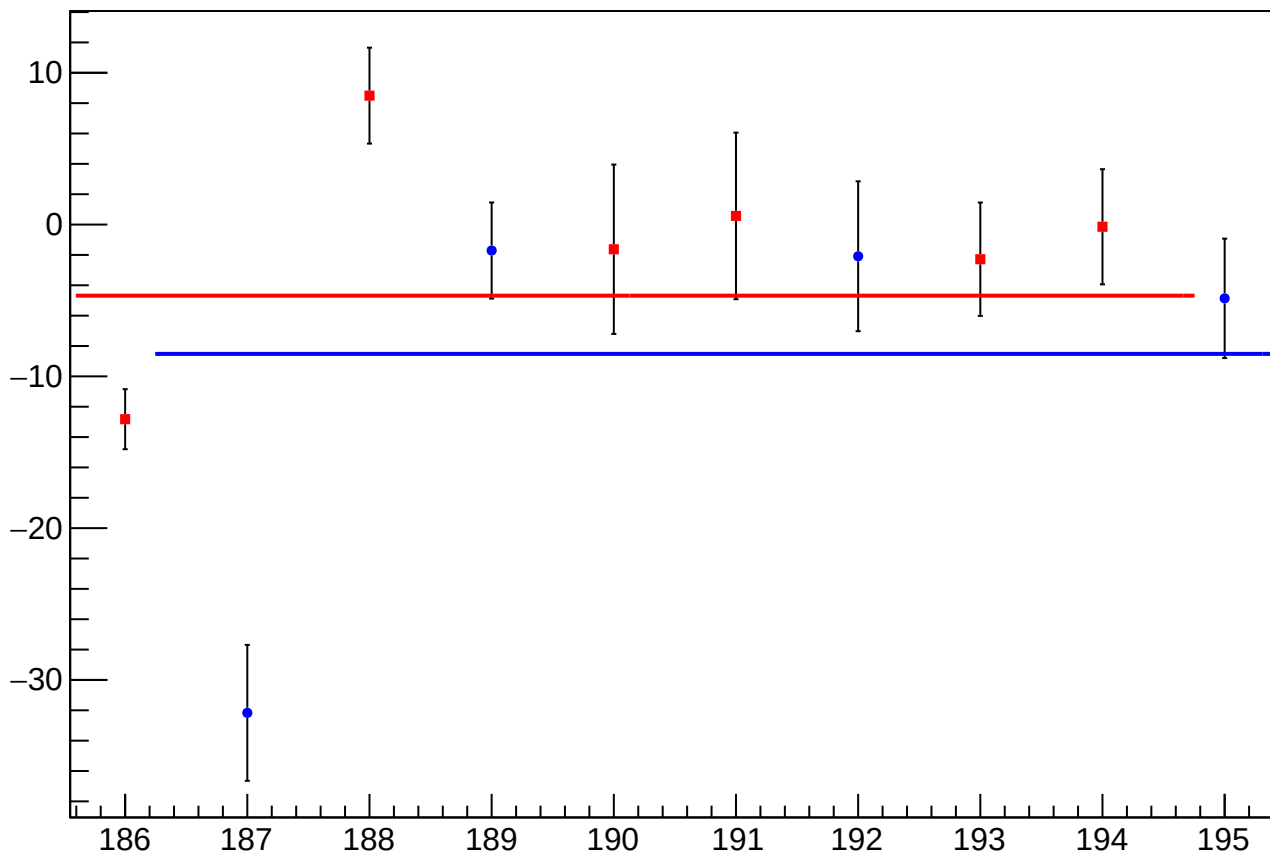
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 33.945 $\pm$ 0.522  $\chi^2$ /NDF: 3802.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: -8.519+/-1.979  $\chi^2/\text{NDF}$ : 35.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.683+/-1.334  $\chi^2/\text{NDF}$ : 37.4/5

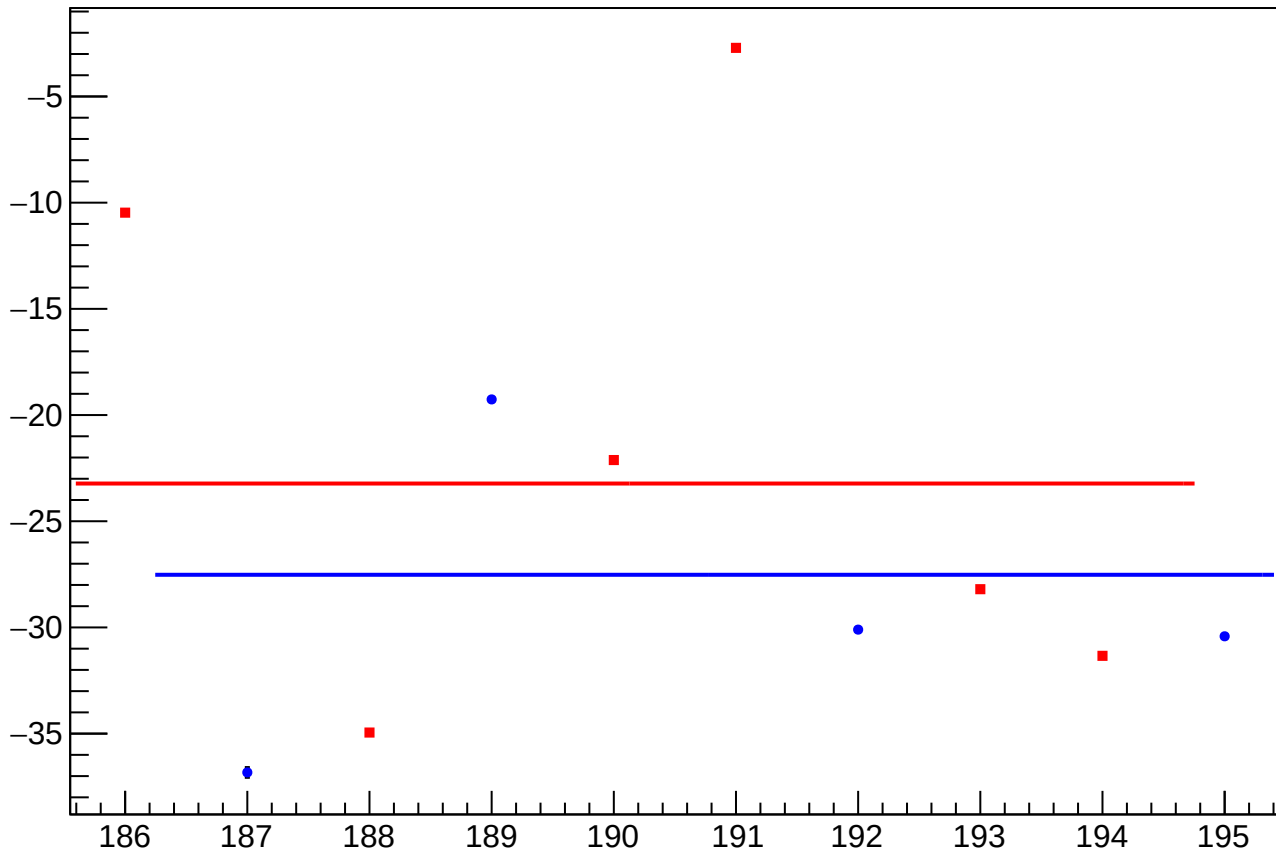
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.882+/-1.106  $\chi^2/\text{NDF}$ : 75.1/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-27.521 \pm 0.074$   $\chi^2/\text{NDF}$ : 6022.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-23.225 \pm 0.055$   $\chi^2/\text{NDF}$ : 40379.0/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

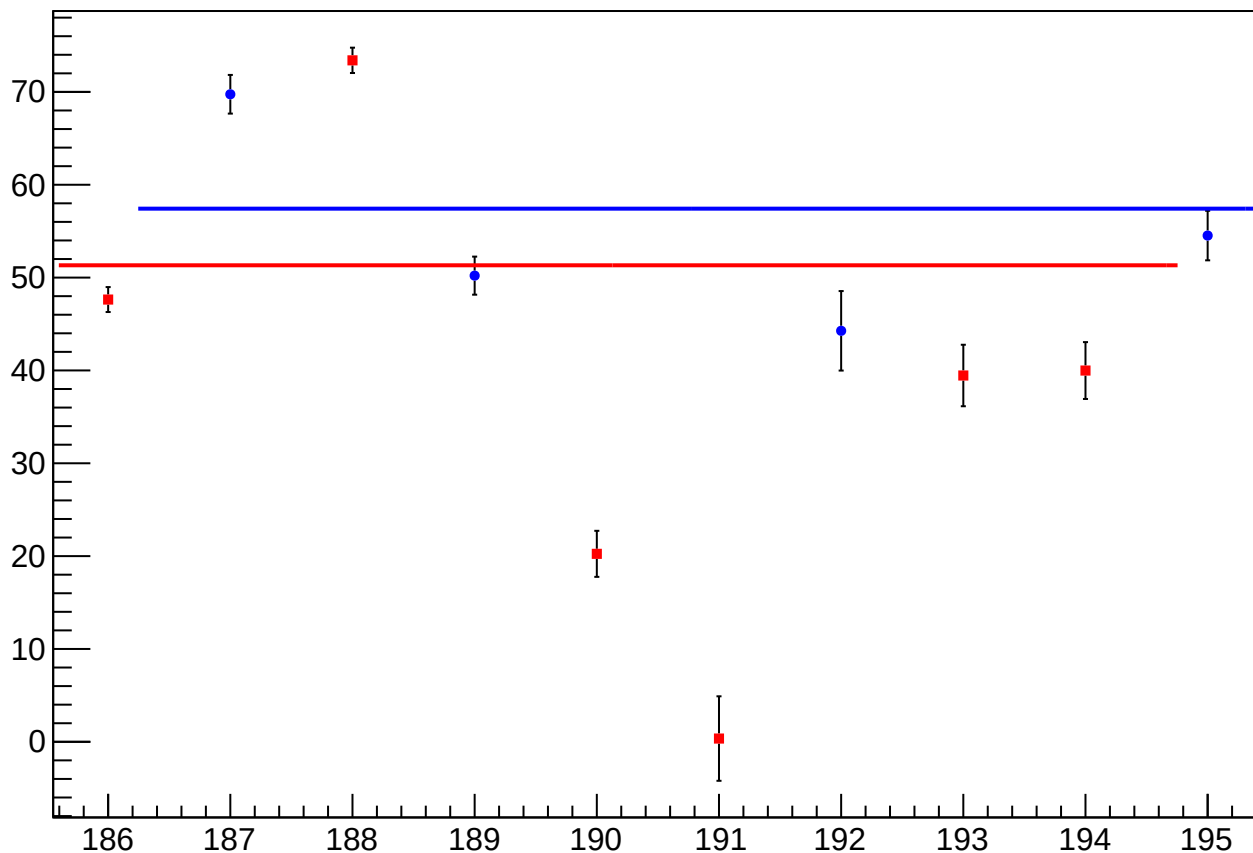
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-24.769 \pm 0.044$   $\chi^2/\text{NDF}$ : 48575.0/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_at1\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 57.425+/-1.228  $\chi^2/\text{NDF}$ : 58.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 51.325+/-0.817  $\chi^2/\text{NDF}$ : 578.3/5

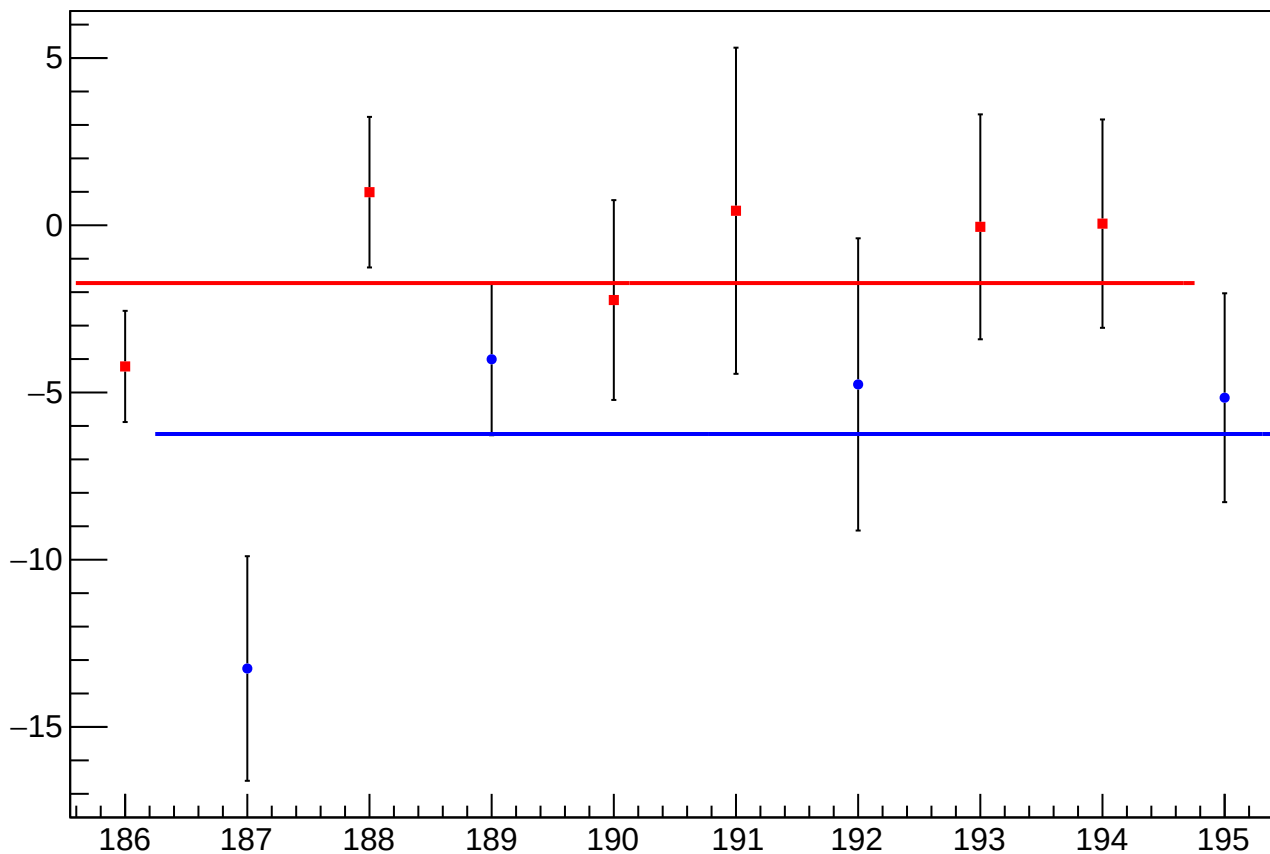
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 53.196+/-0.680  $\chi^2/\text{NDF}$ : 653.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -6.241+/-1.512  $\chi^2/\text{NDF}$ : 5.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.728+/-1.051  $\chi^2/\text{NDF}$ : 4.5/5

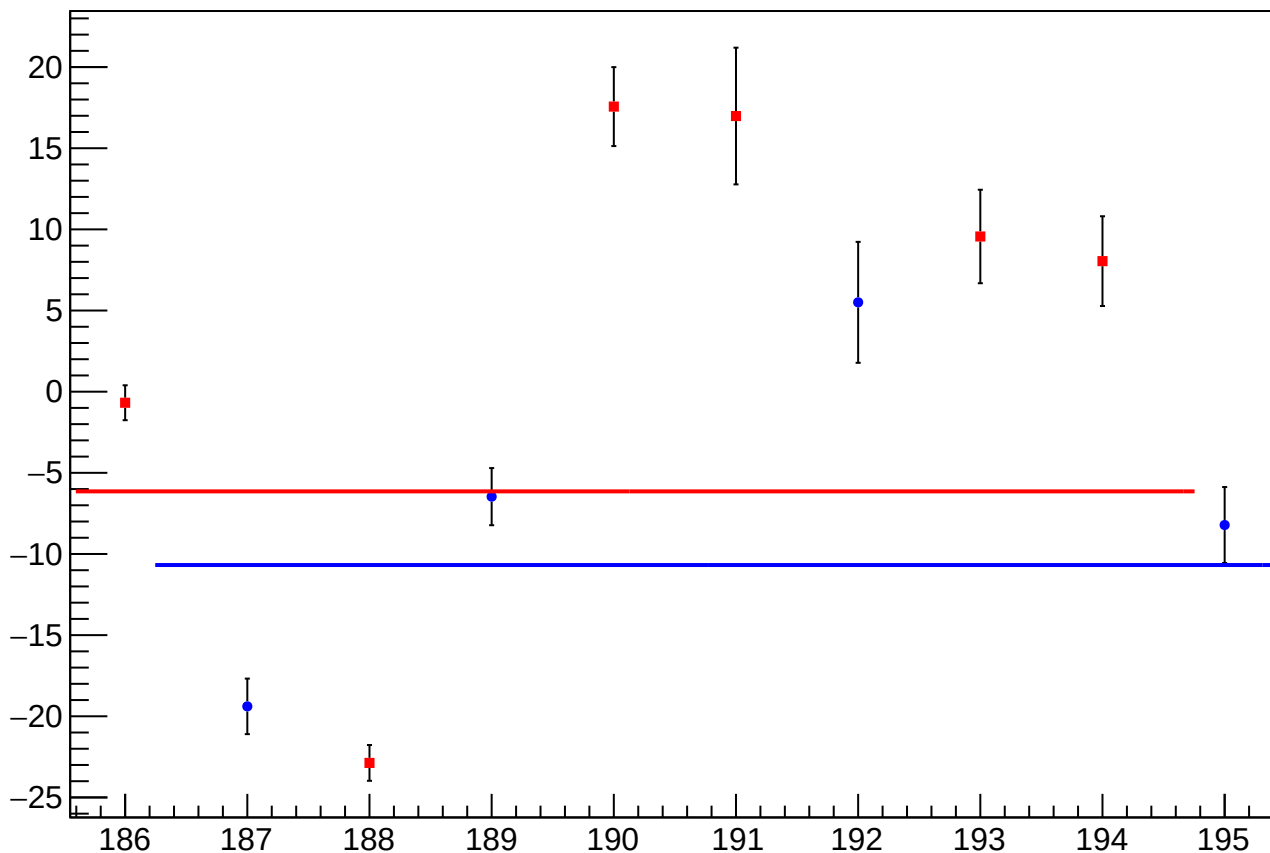
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.199+/-0.863  $\chi^2/\text{NDF}$ : 16.1/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: -10.680 $\pm$ 1.043  $\chi^2$ /NDF: 51.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -6.142 $\pm$ 0.680  $\chi^2$ /NDF: 437.4/5

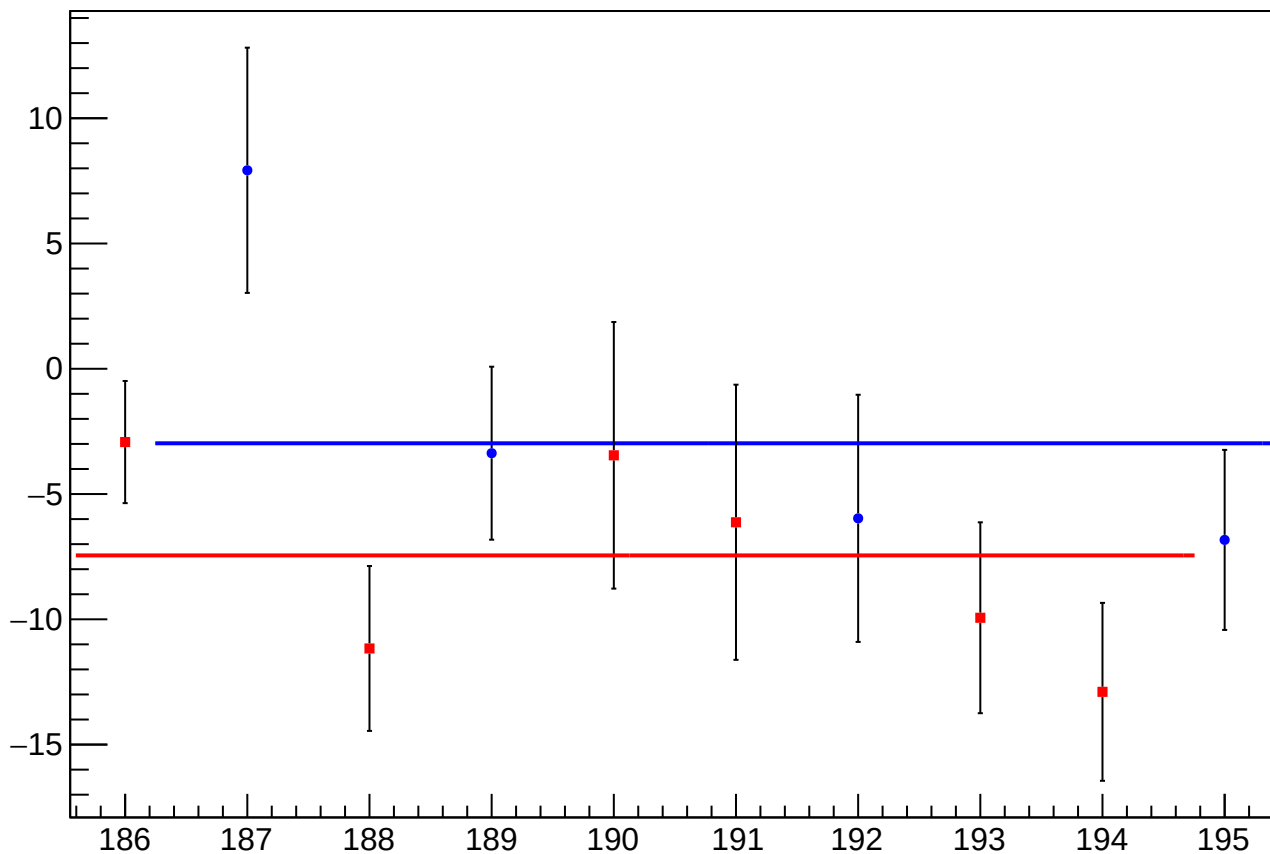
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.495 $\pm$ 0.570  $\chi^2$ /NDF: 502.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-2.975 \pm 2.024$   $\chi^2/\text{NDF}$ : 6.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-7.450 \pm 1.447$   $\chi^2/\text{NDF}$ : 8.1/5

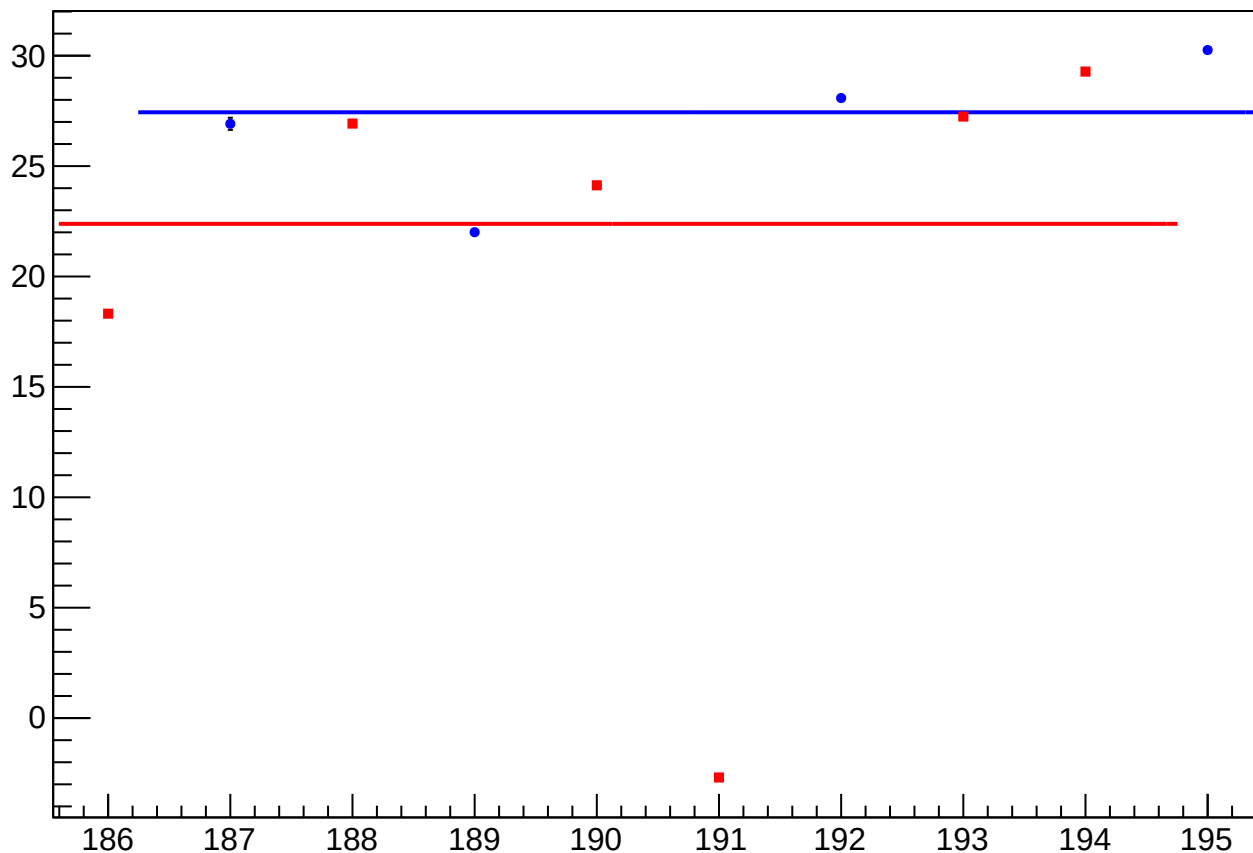
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-5.935 \pm 1.177$   $\chi^2/\text{NDF}$ : 17.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 27.437 $\pm$ 0.072  $\chi^2$ /NDF: 2165.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 22.384 $\pm$ 0.056  $\chi^2$ /NDF: 35524.7/5

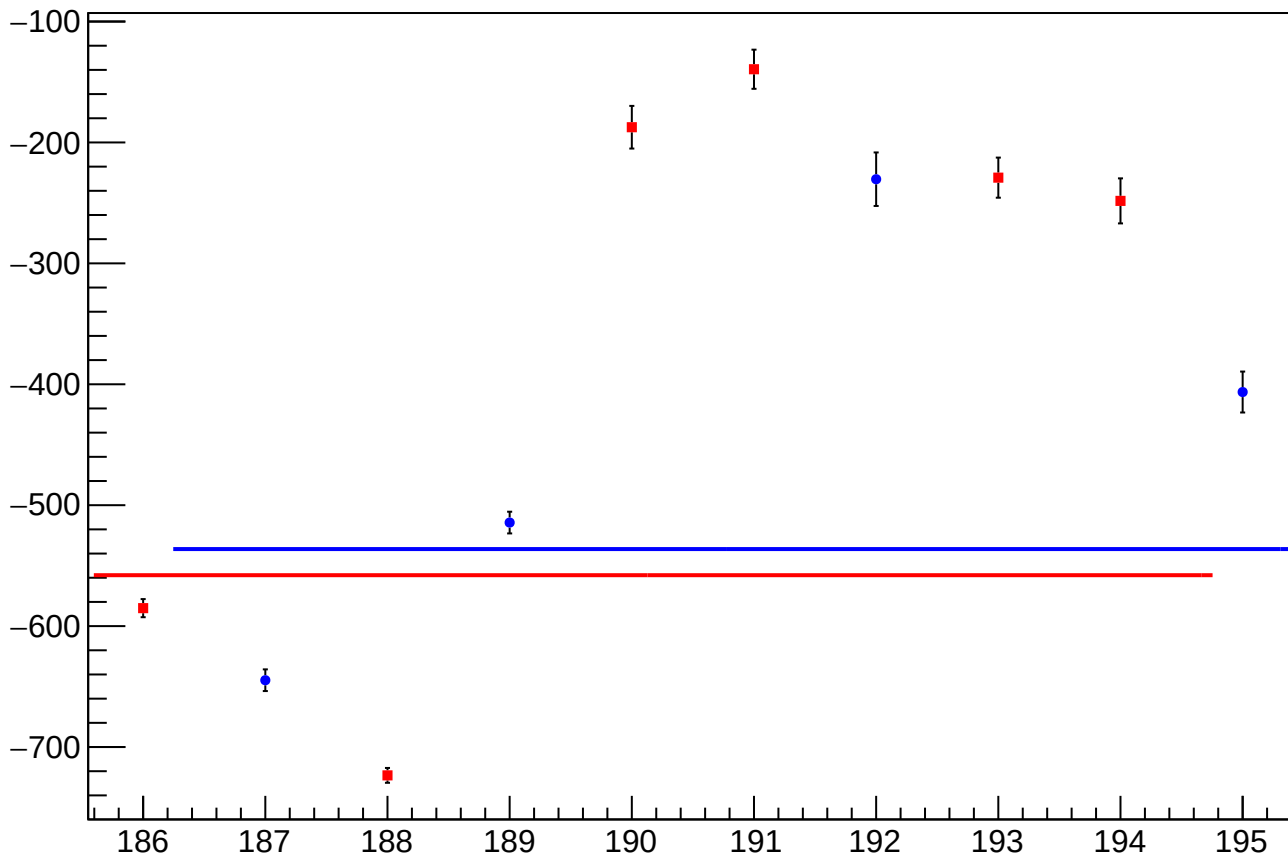
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 24.277 $\pm$ 0.044  $\chi^2$ /NDF: 40743.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -536.283+/-5.737  $\chi^2$ /NDF: 402.2/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -557.895+/-4.157  $\chi^2$ /NDF: 2519.1/5

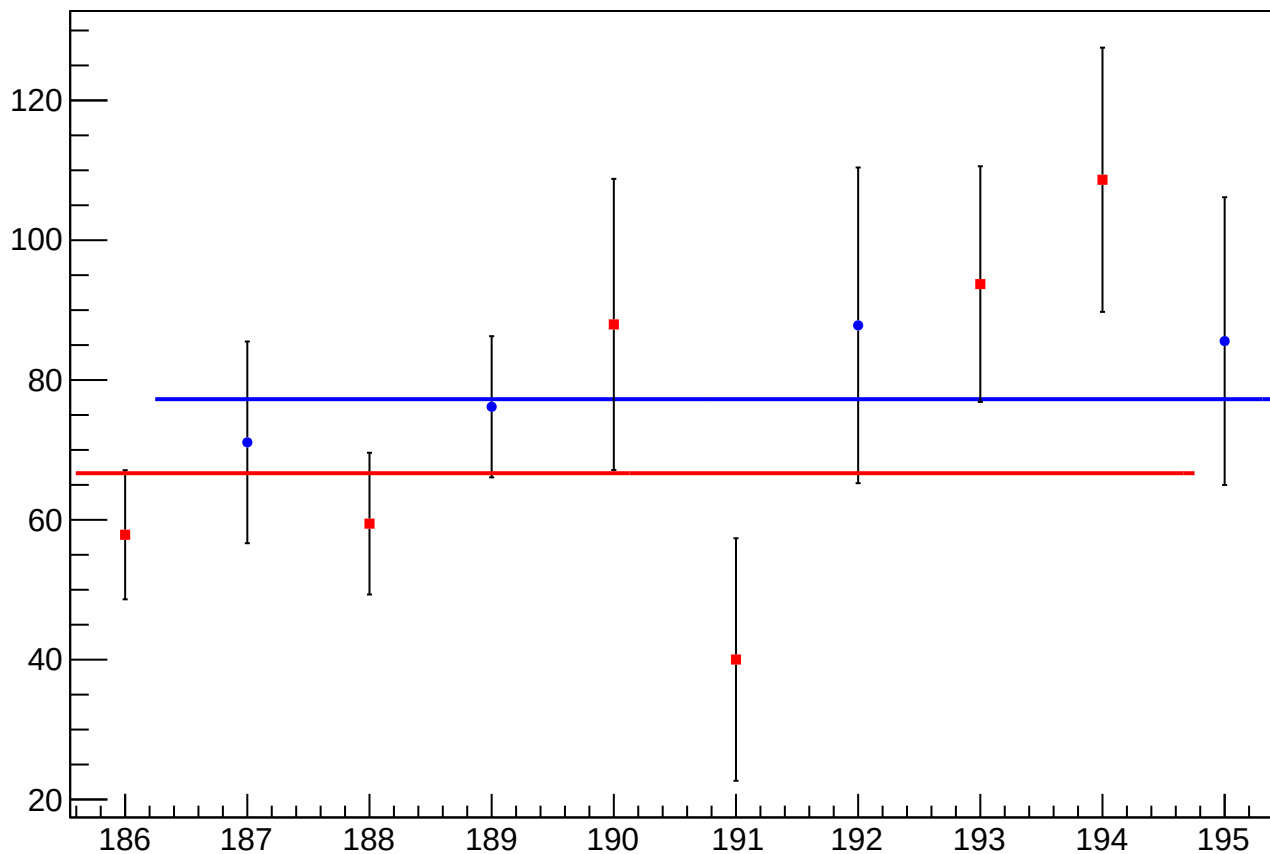
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -550.454+/-3.366  $\chi^2$ /NDF: 2930.6/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 77.261 $\pm$ 7.268  $\chi^2$ /NDF: 0.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 66.671 $\pm$ 5.472  $\chi^2$ /NDF: 12.3/5

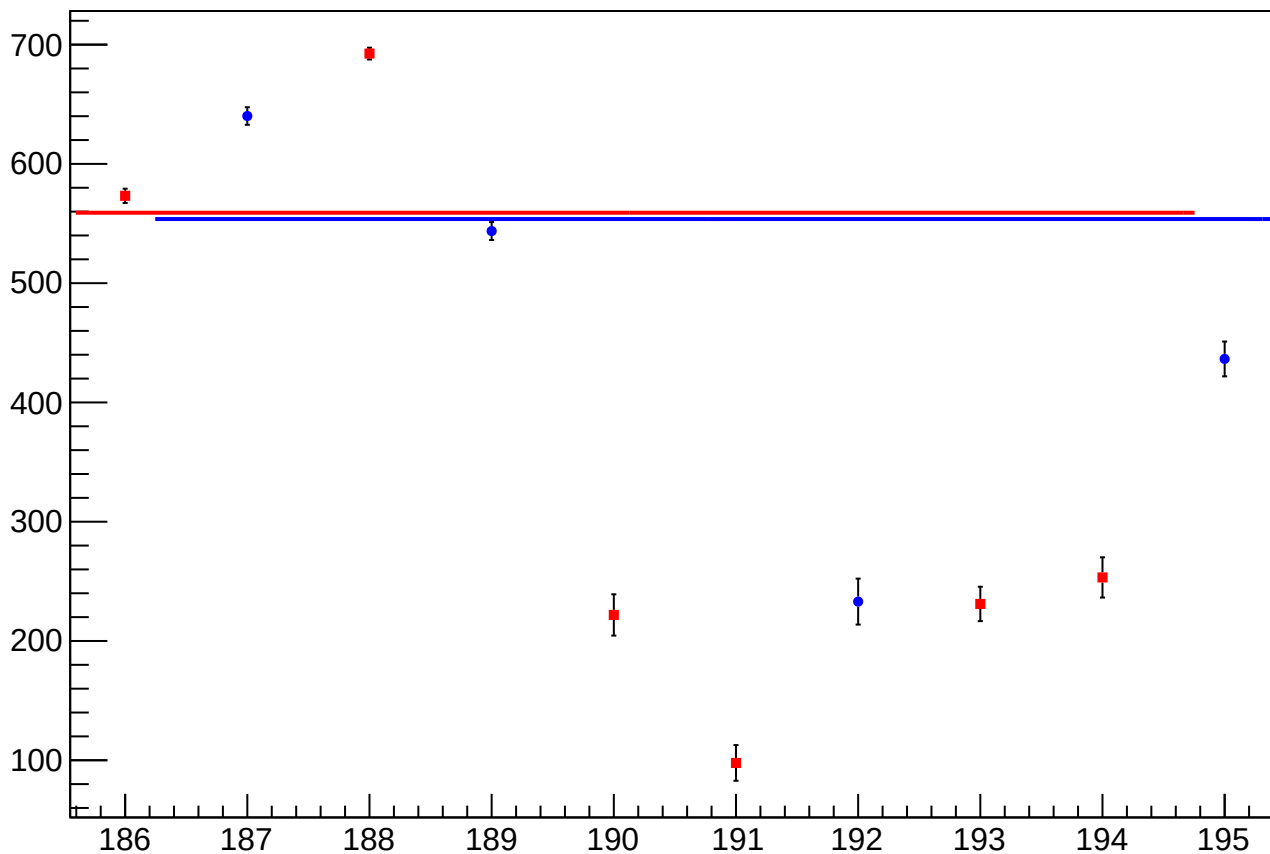
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 70.502 $\pm$ 4.371  $\chi^2$ /NDF: 14.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 553.773 $\pm$ 4.795  $\chi^2$ /NDF: 481.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 559.068 $\pm$ 3.433  $\chi^2$ /NDF: 2905.3/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

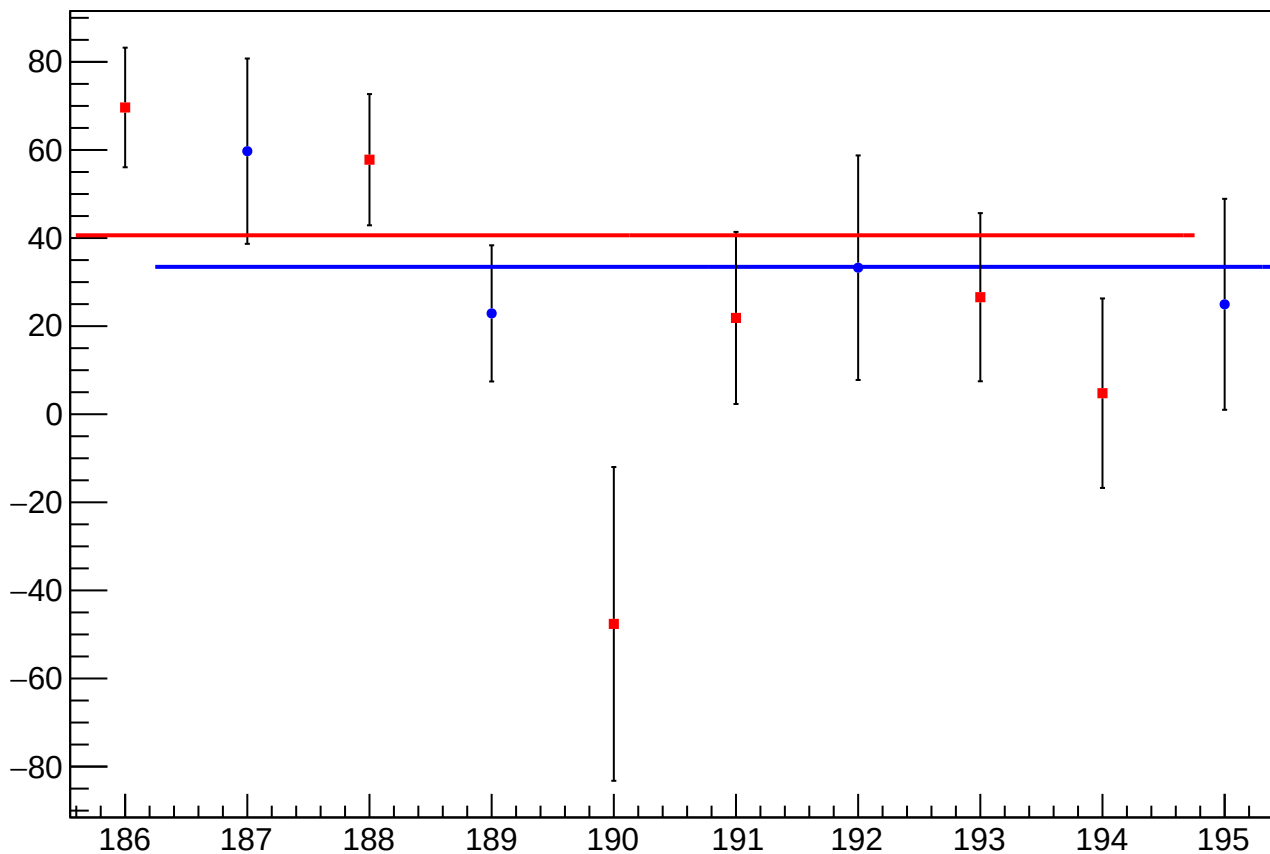
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 557.273 $\pm$ 2.792  $\chi^2$ /NDF: 3387.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 33.462 $\pm$ 10.140  $\chi^2$ /NDF: 2.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 40.629 $\pm$ 7.404  $\chi^2$ /NDF: 16.3/5

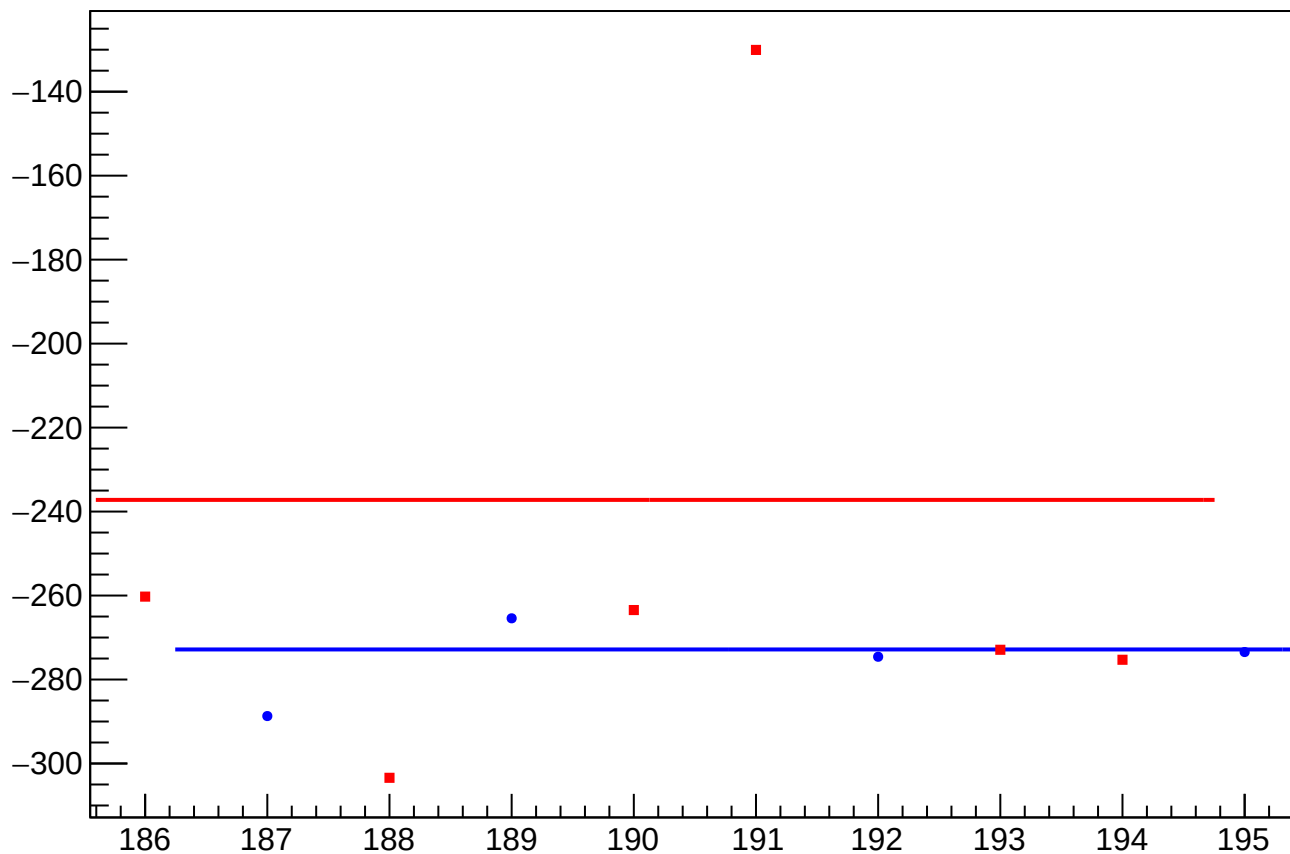
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 38.137 $\pm$ 5.979  $\chi^2$ /NDF: 18.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -272.839+/-0.403  $\chi^2/\text{NDF}$ : 294.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -237.219+/-0.281  $\chi^2/\text{NDF}$ : 57123.6/5

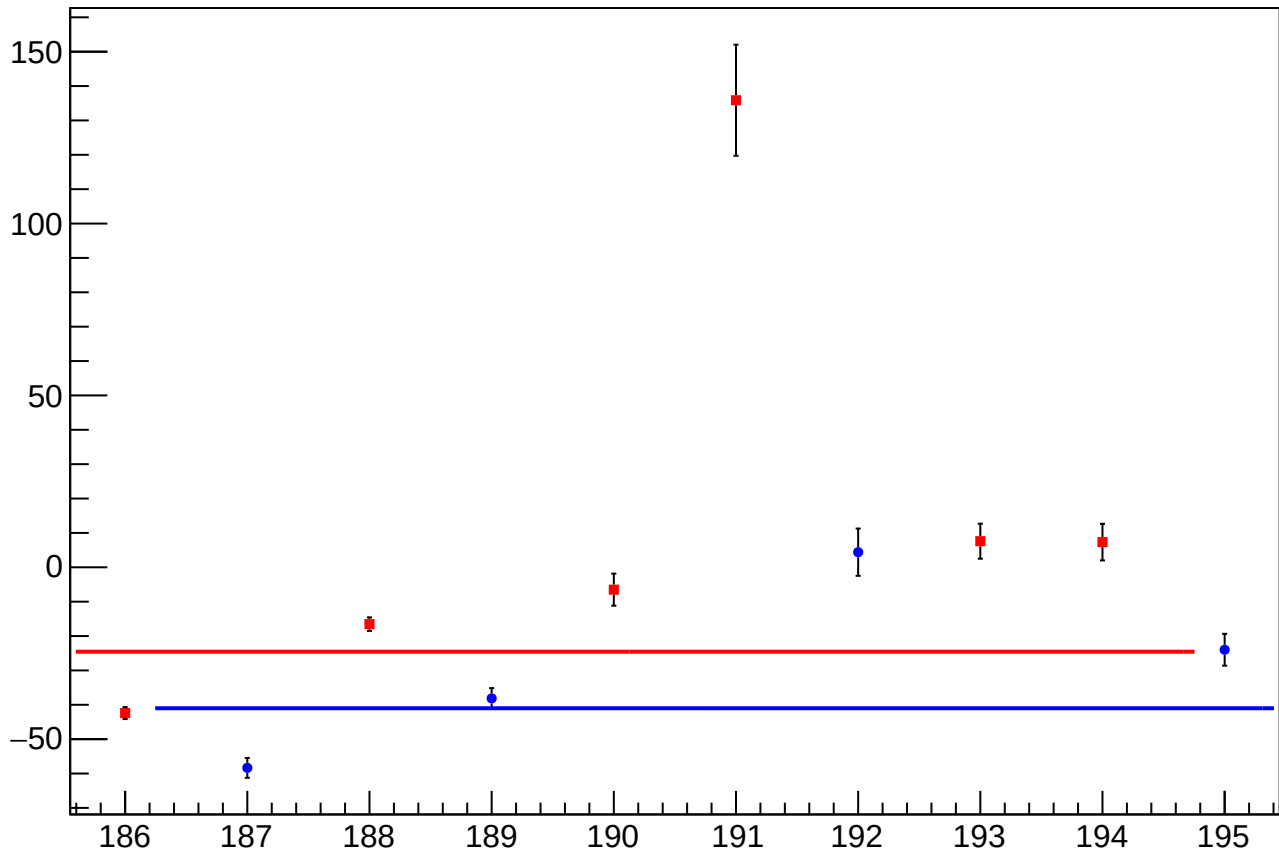
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -248.853+/-0.230  $\chi^2/\text{NDF}$ : 62684.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm1X\_slope vs Slug



Right In: -41.008 $\pm$ 1.825  $\chi^2$ /NDF: 94.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -24.551 $\pm$ 1.189  $\chi^2$ /NDF: 310.0/5

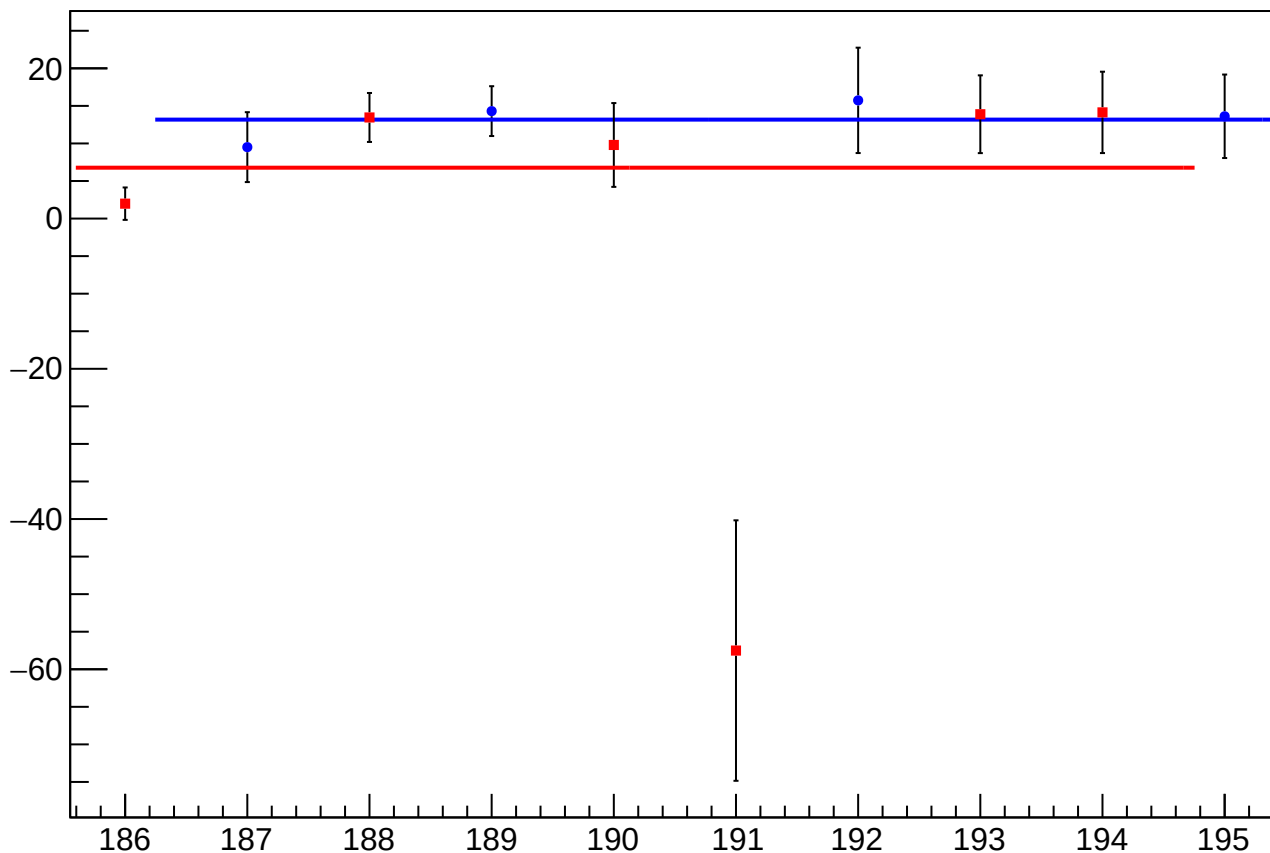
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -29.453 $\pm$ 0.996  $\chi^2$ /NDF: 461.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 13.173 $\pm$ 2.295  $\chi^2$ /NDF: 0.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.773 $\pm$ 1.551  $\chi^2$ /NDF: 26.9/5

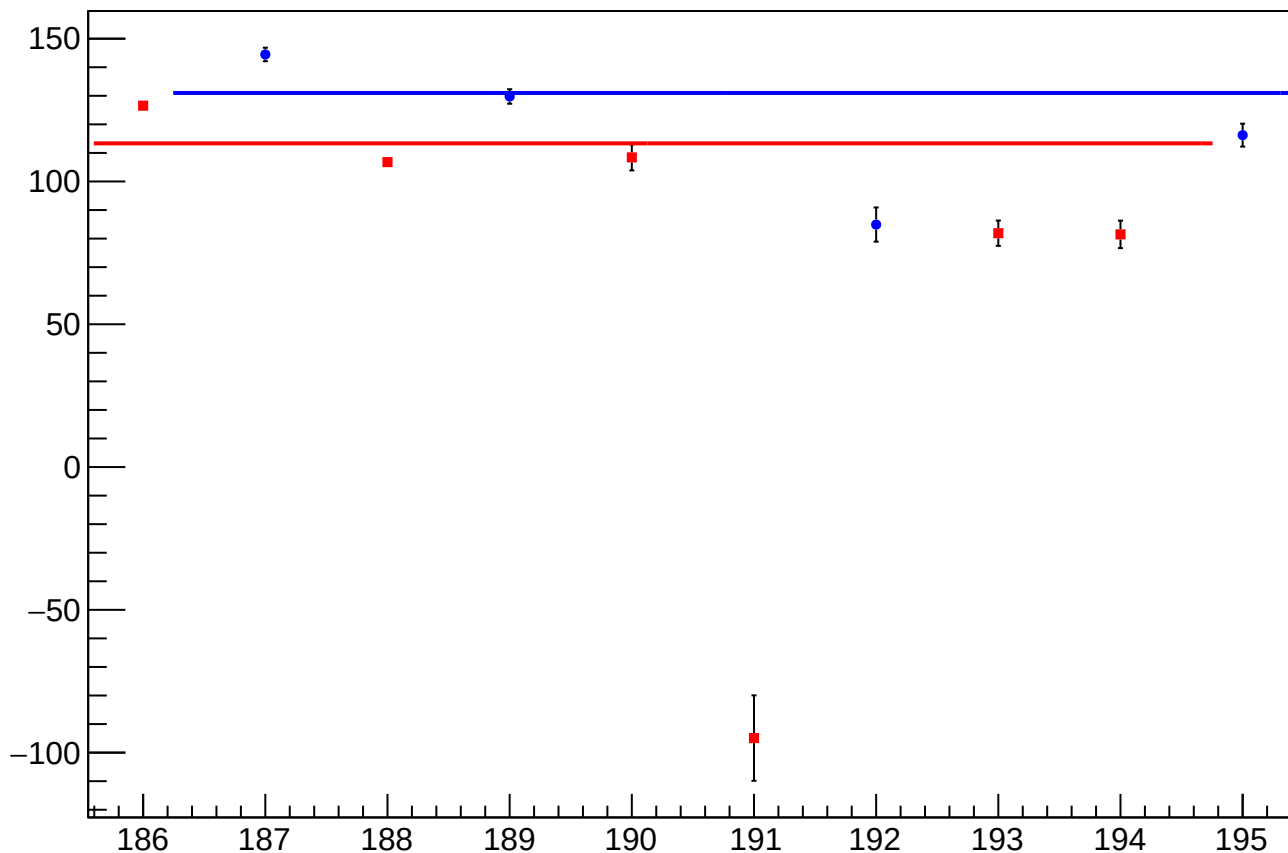
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 8.778 $\pm$ 1.285  $\chi^2$ /NDF: 33.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: 130.996 $\pm$ 1.538  $\chi^2$ /NDF: 105.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 113.349 $\pm$ 0.976  $\chi^2$ /NDF: 394.8/5

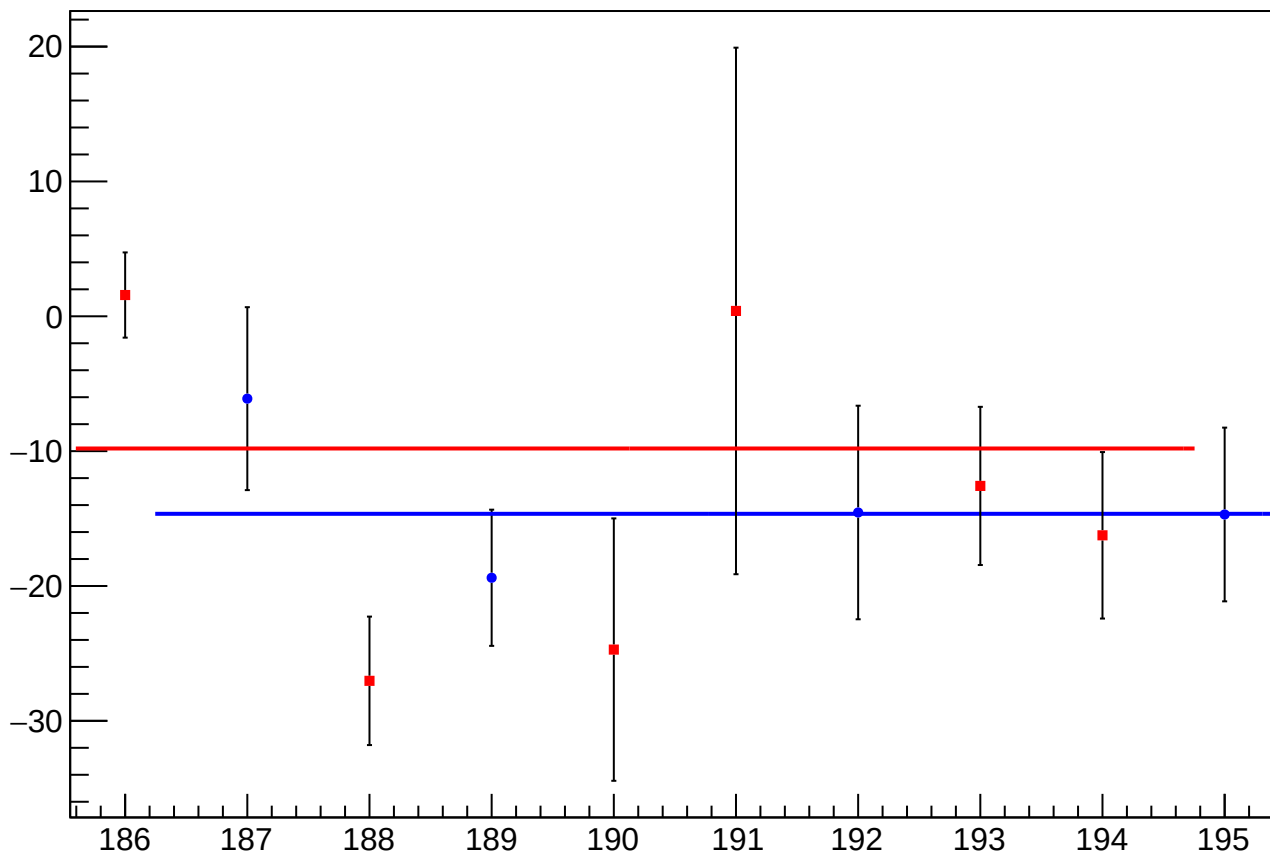
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 118.419 $\pm$ 0.824  $\chi^2$ /NDF: 594.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-14.648 \pm 3.147$   $\chi^2/\text{NDF}$ : 2.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-9.804 \pm 2.168$   $\chi^2/\text{NDF}$ : 30.0/5

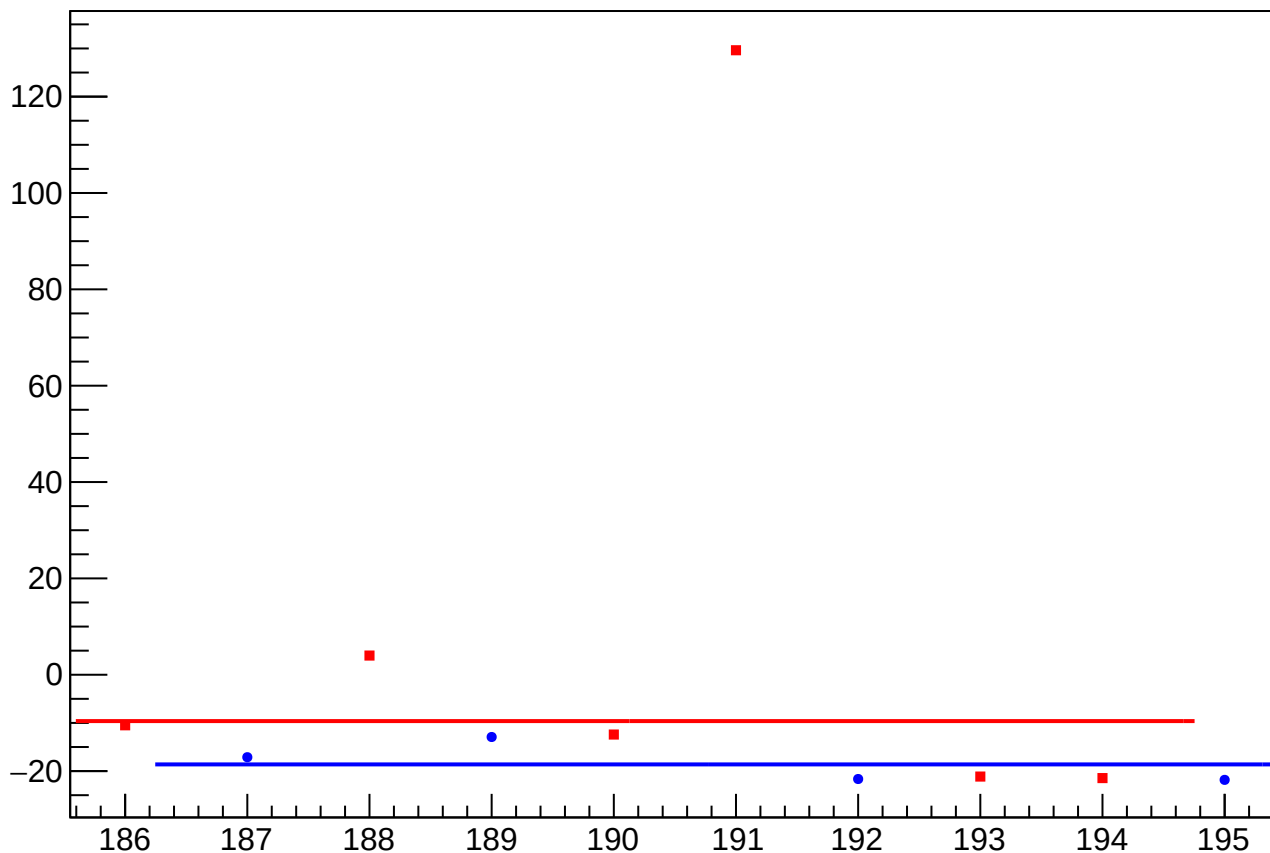
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-11.363 \pm 1.785$   $\chi^2/\text{NDF}$ : 34.1/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-18.610 \pm 0.119$   $\chi^2/\text{NDF}$ : 1136.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-9.619 \pm 0.093$   $\chi^2/\text{NDF}$ : 79949.4/5

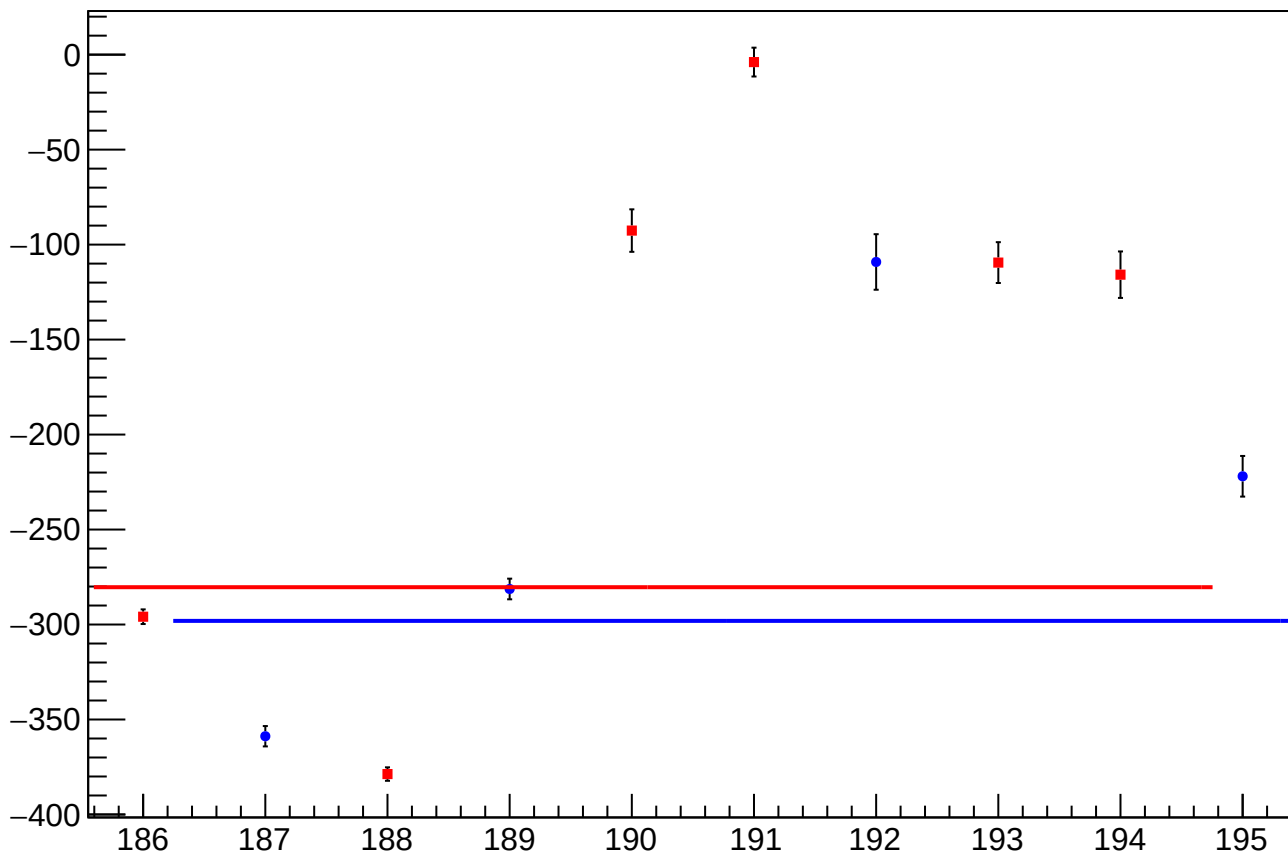
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-13.049 \pm 0.073$   $\chi^2/\text{NDF}$ : 84637.0/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1r2\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-298.083 \pm 3.490$   $\chi^2/\text{NDF}$ : 355.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-280.351 \pm 2.308$   $\chi^2/\text{NDF}$ : 2830.1/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

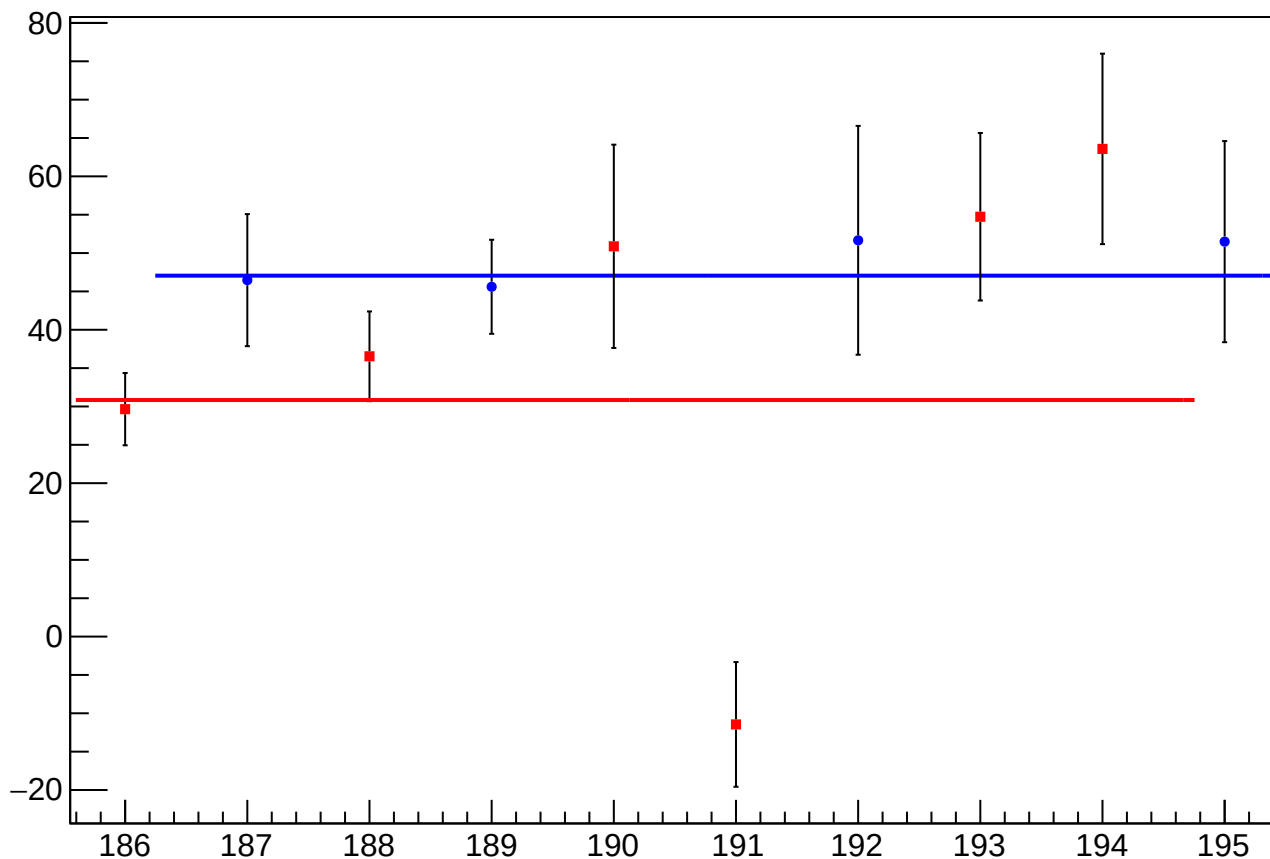
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-285.747 \pm 1.925$   $\chi^2/\text{NDF}$ : 3203.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 47.055+/-4.454  $\chi^2/\text{NDF}$ : 0.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 30.841+/-3.016  $\chi^2/\text{NDF}$ : 42.1/5

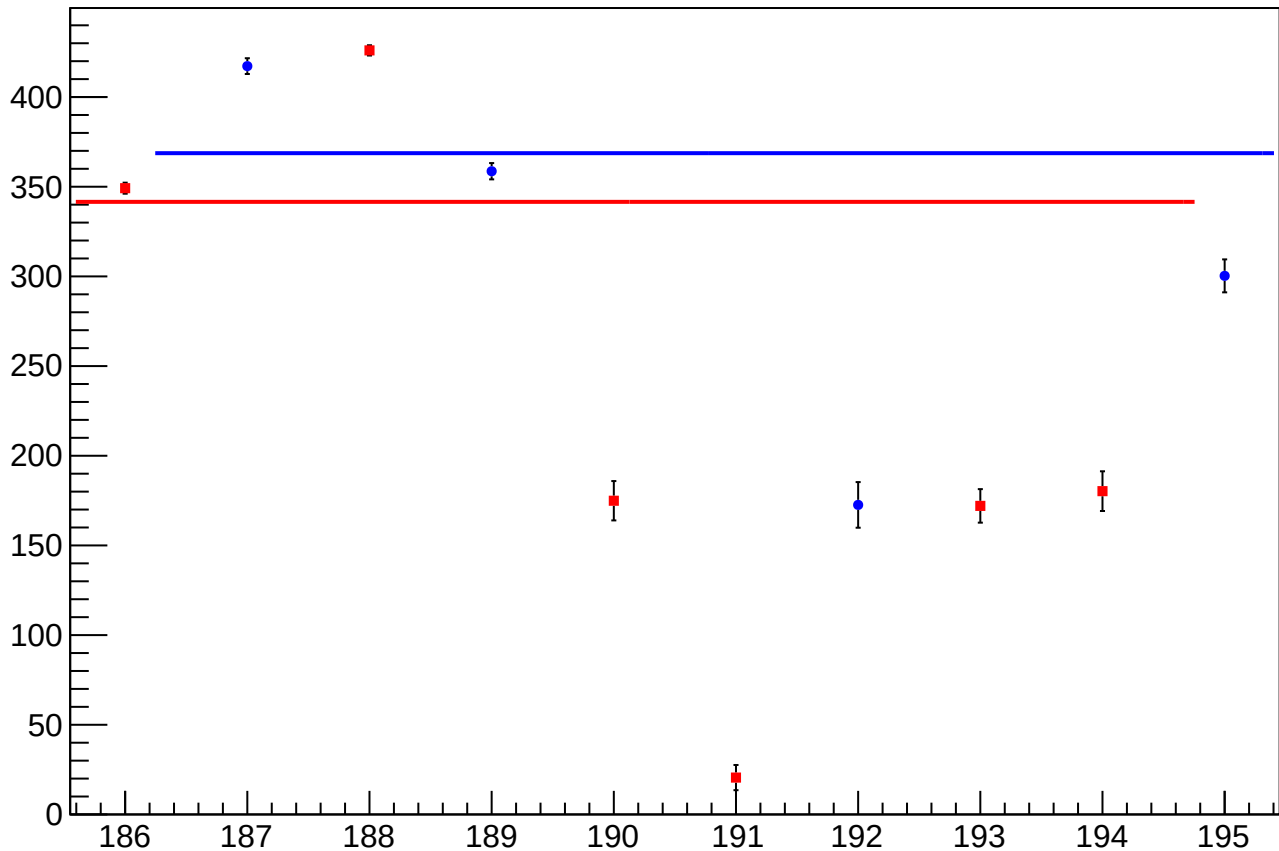
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 35.937+/-2.497  $\chi^2/\text{NDF}$ : 51.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 368.706 $\pm$ 2.909  $\chi^2$ /NDF: 419.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 341.566 $\pm$ 1.902  $\chi^2$ /NDF: 3740.8/5

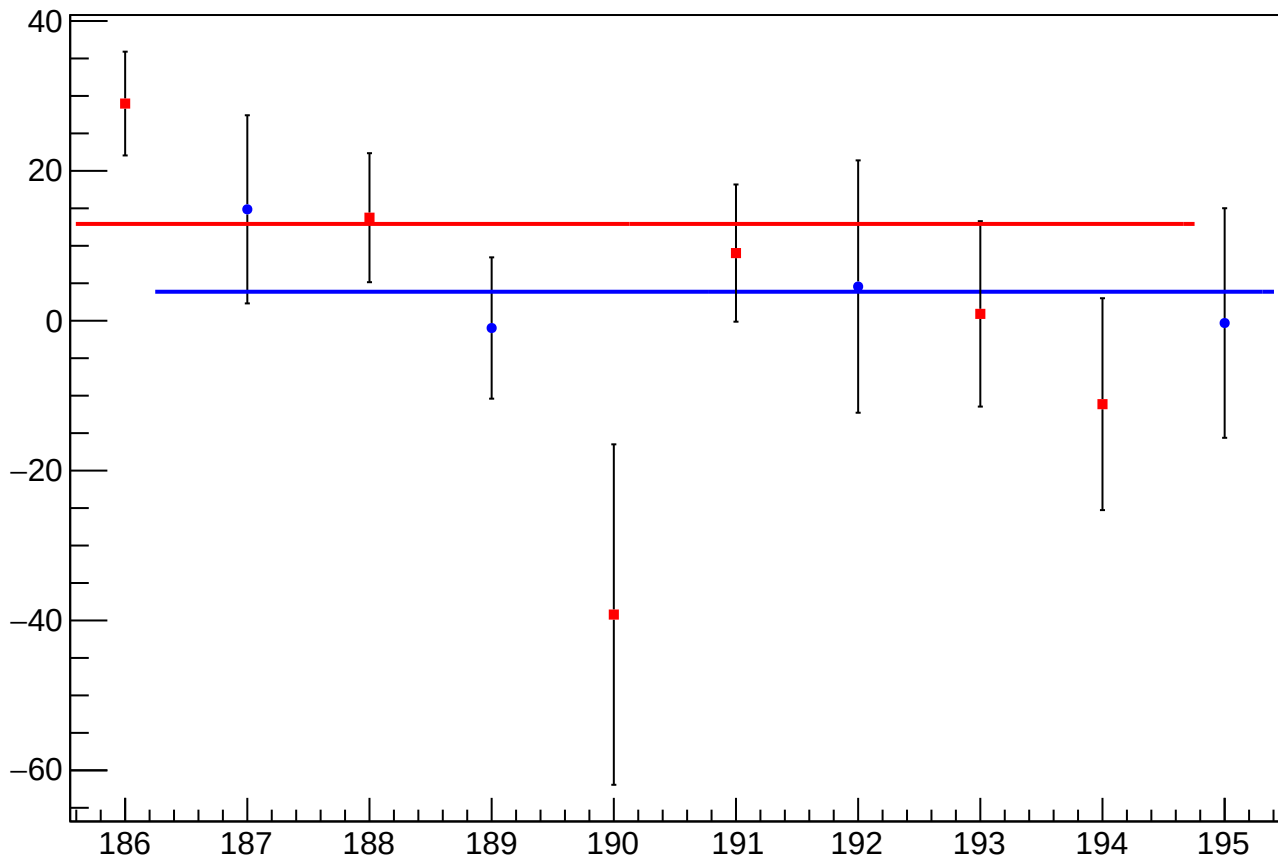
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 349.692 $\pm$ 1.592  $\chi^2$ /NDF: 4221.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 3.870 $\pm$ 6.277  $\chi^2$ /NDF: 1.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 12.920 $\pm$ 4.091  $\chi^2$ /NDF: 14.7/5

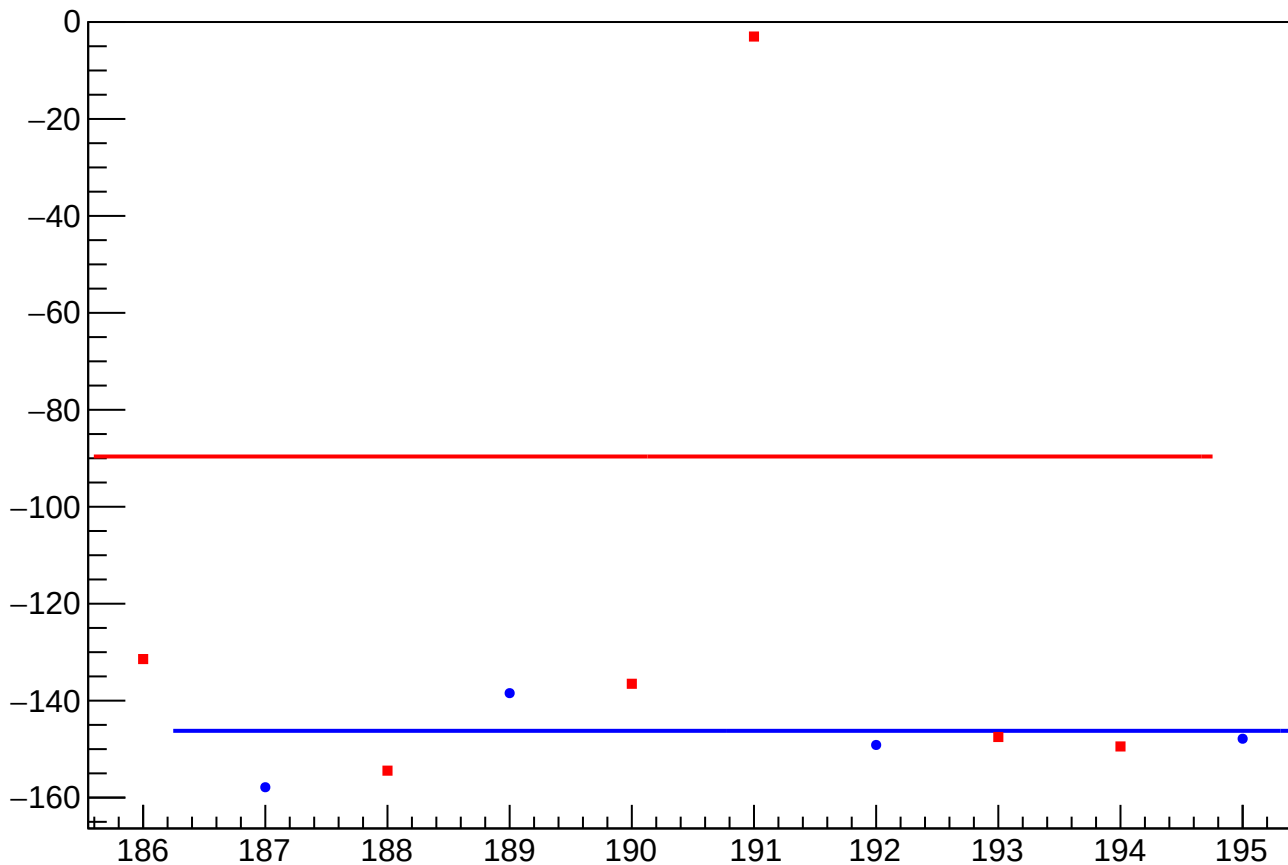
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.222 $\pm$ 3.427  $\chi^2$ /NDF: 17.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -146.225+/-0.256  $\chi^2/\text{NDF}$ : 624.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -89.632+/-0.157  $\chi^2/\text{NDF}$ : 199027.1/5

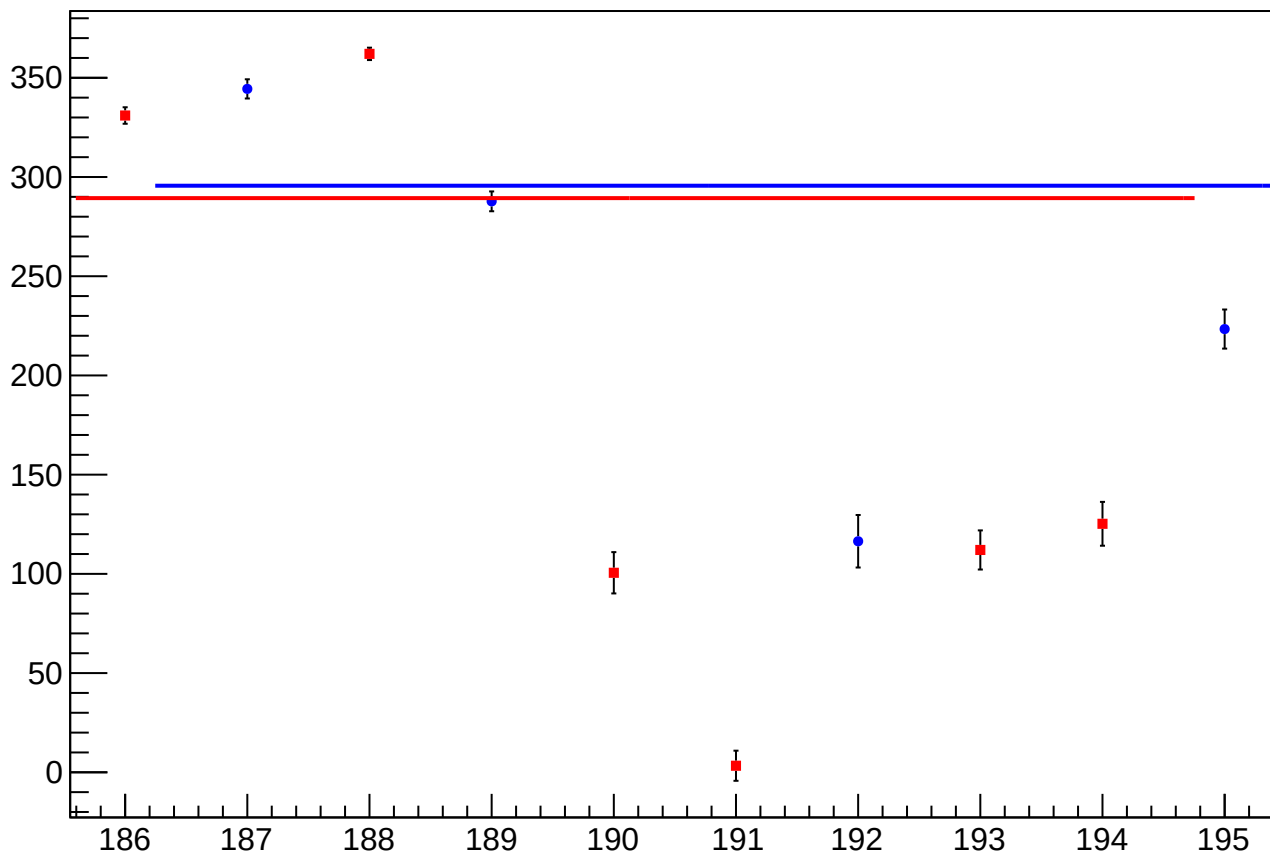
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -105.187+/-0.134  $\chi^2/\text{NDF}$ : 235168.1/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1r2\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 295.614 $\pm$ 3.182  $\chi^2$ /NDF: 341.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 289.362 $\pm$ 2.205  $\chi^2$ /NDF: 2937.0/5

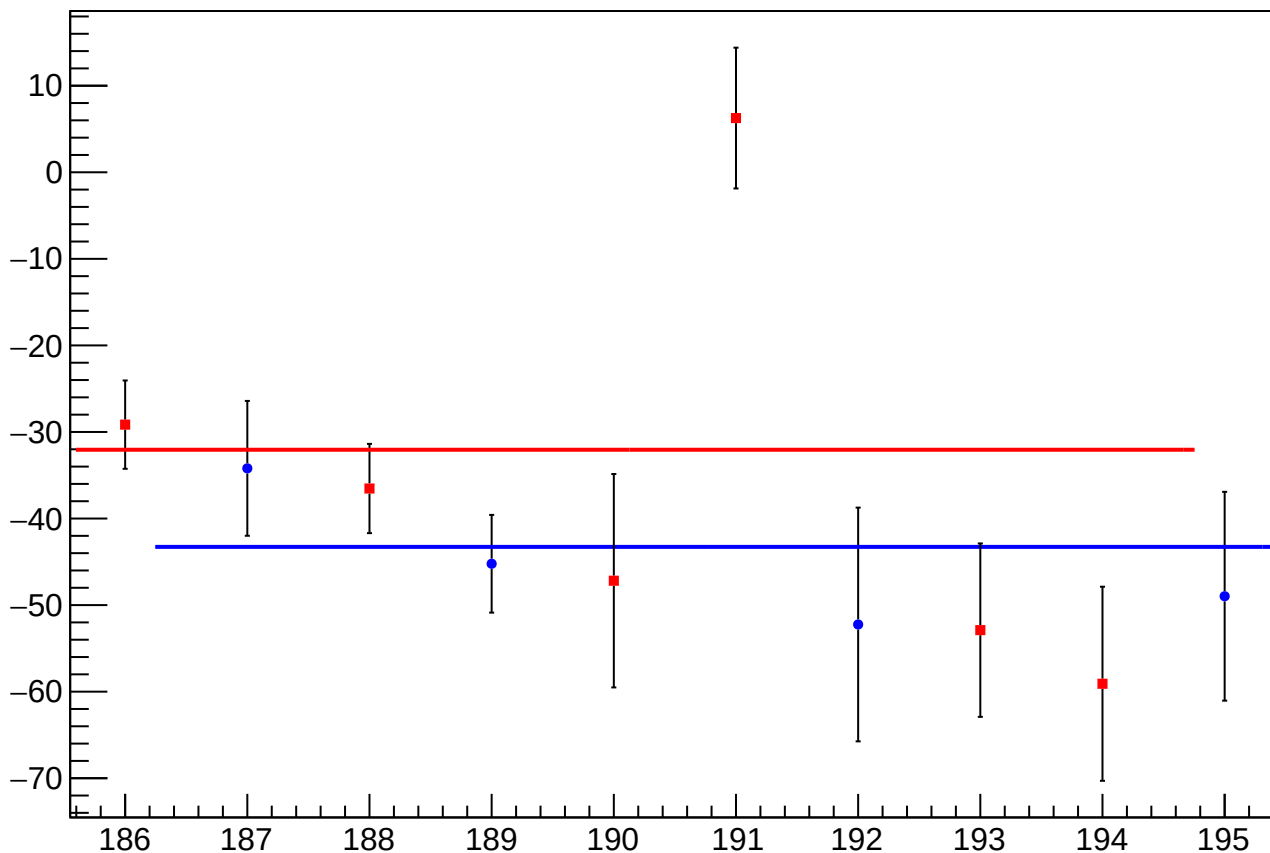
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 291.390 $\pm$ 1.812  $\chi^2$ /NDF: 3280.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: -43.275 $\pm$ 4.075  $\chi^2$ /NDF: 2.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -32.053 $\pm$ 2.941  $\chi^2$ /NDF: 34.9/5

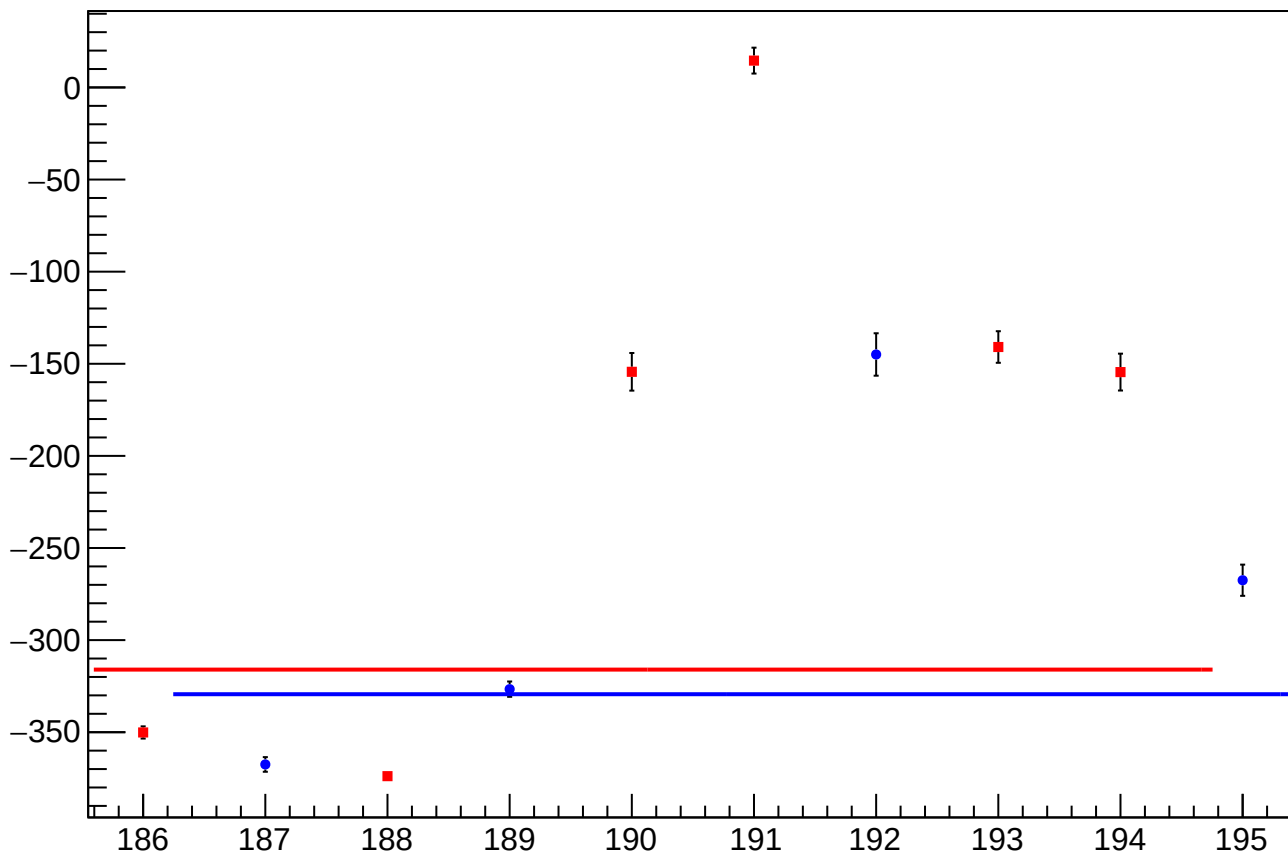
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -35.896 $\pm$ 2.384  $\chi^2$ /NDF: 42.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-329.370 \pm 2.648$   $\chi^2/\text{NDF}: 402.2/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-316.010 \pm 1.818$   $\chi^2/\text{NDF}: 3776.6/5$

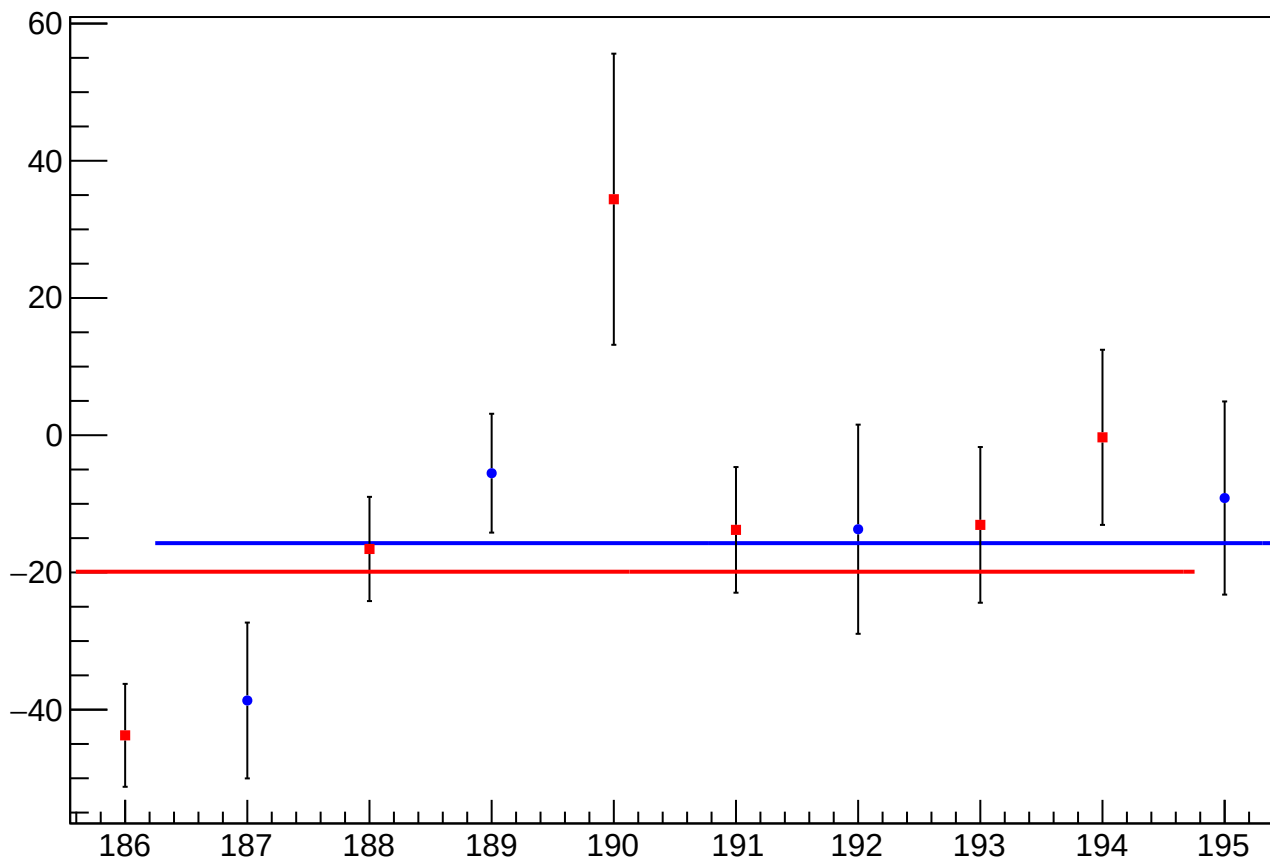
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-320.292 \pm 1.499$   $\chi^2/\text{NDF}: 4196.1/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-15.730 \pm 5.732$   $\chi^2/\text{NDF}$ : 5.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-19.894 \pm 3.979$   $\chi^2/\text{NDF}$ : 20.0/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

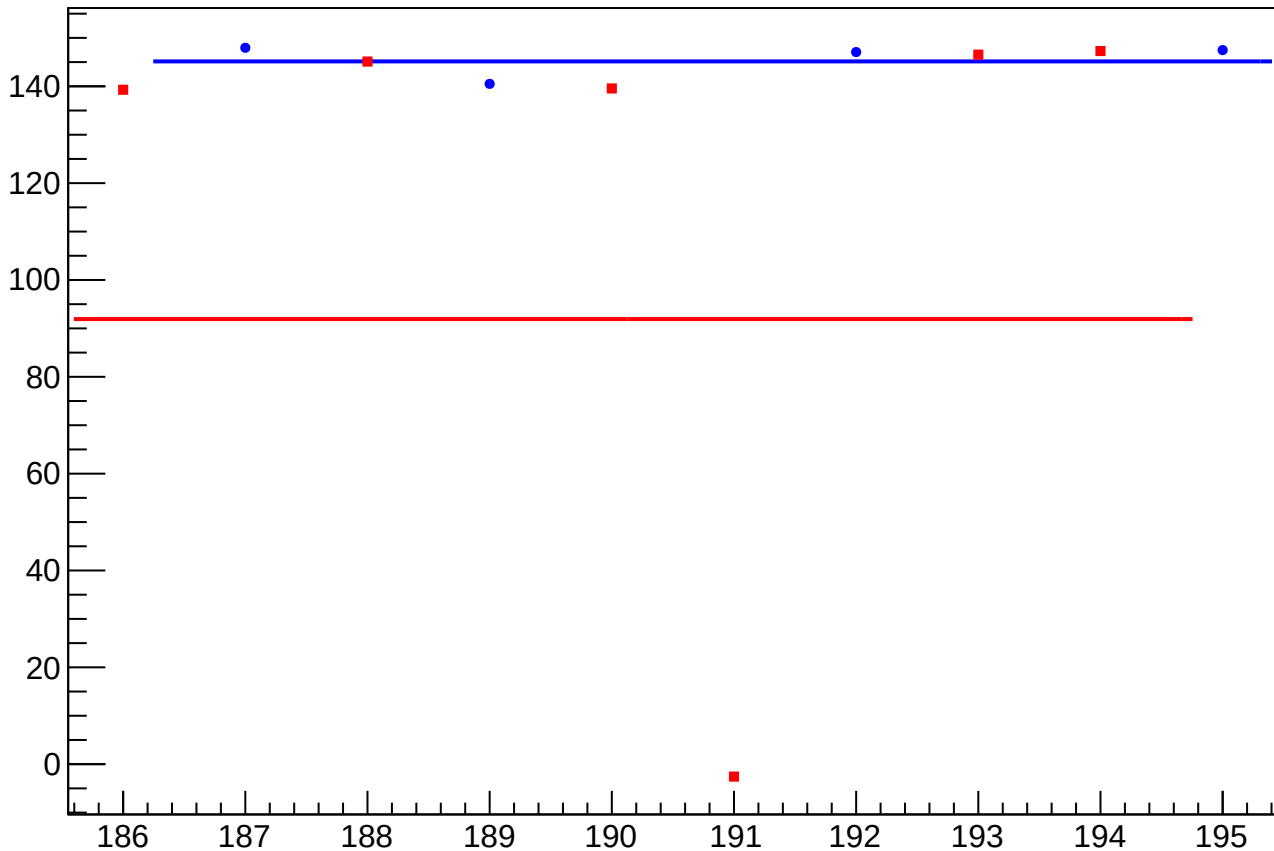
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-18.540 \pm 3.269$   $\chi^2/\text{NDF}$ : 26.1/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 145.141 $\pm$ 0.235  $\chi^2$ /NDF: 193.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 91.927 $\pm$ 0.150  $\chi^2$ /NDF: 222105.1/5

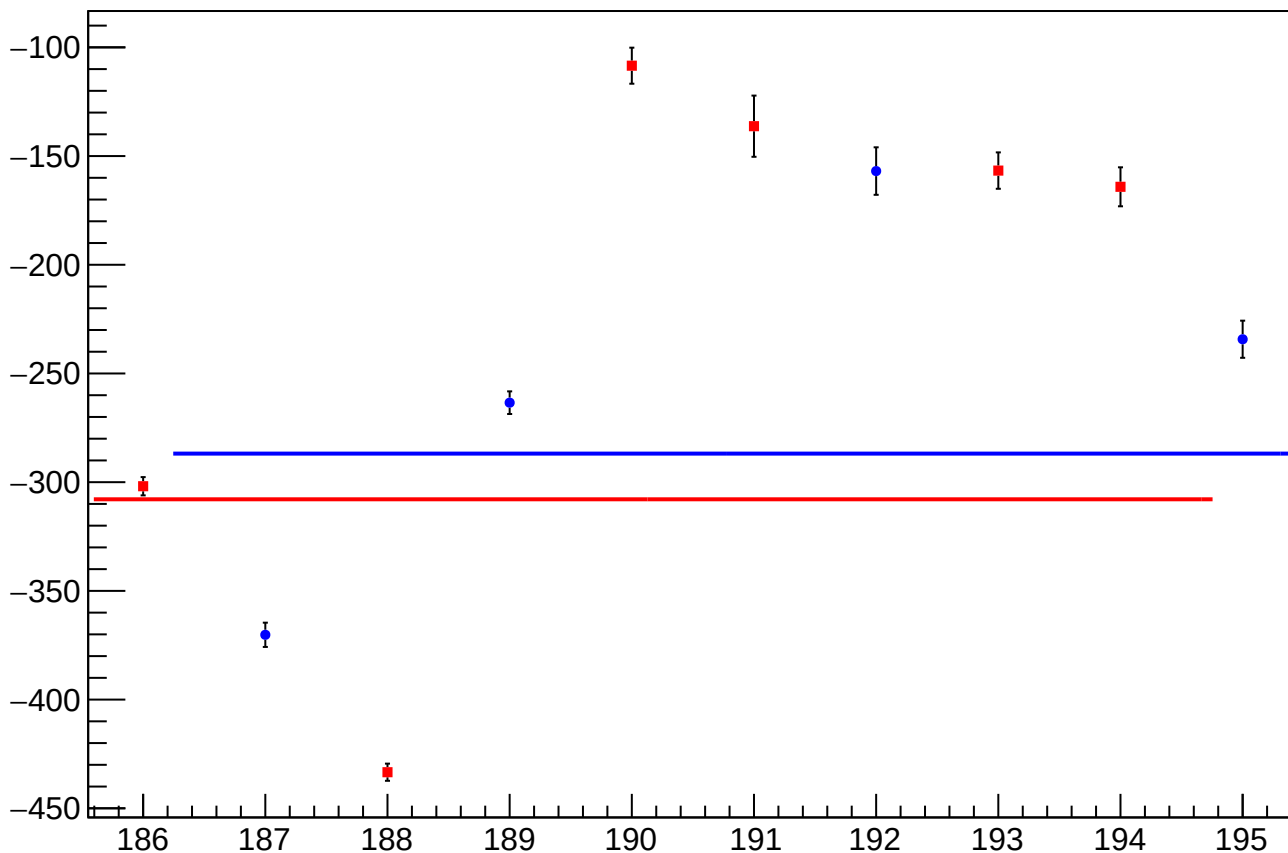
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 107.390 $\pm$ 0.127  $\chi^2$ /NDF: 258741.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -286.857+/-3.315  $\chi^2/\text{NDF}$ : 422.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -307.873+/-2.447  $\chi^2/\text{NDF}$ : 2323.9/5

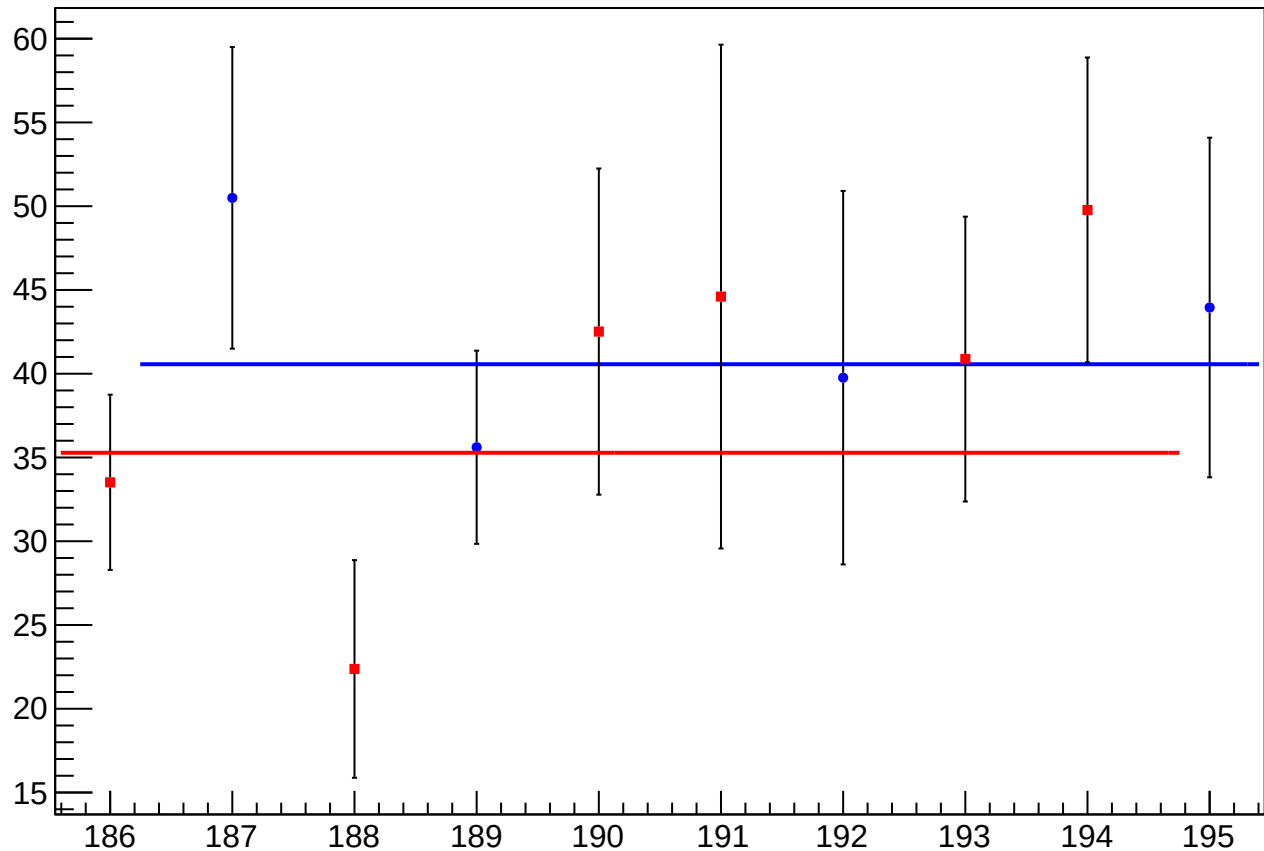
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -300.461+/-1.968  $\chi^2/\text{NDF}$ : 2772.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 40.566 $\pm$ 4.076  $\chi^2$ /NDF: 2.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 35.280 $\pm$ 3.145  $\chi^2$ /NDF: 8.0/5

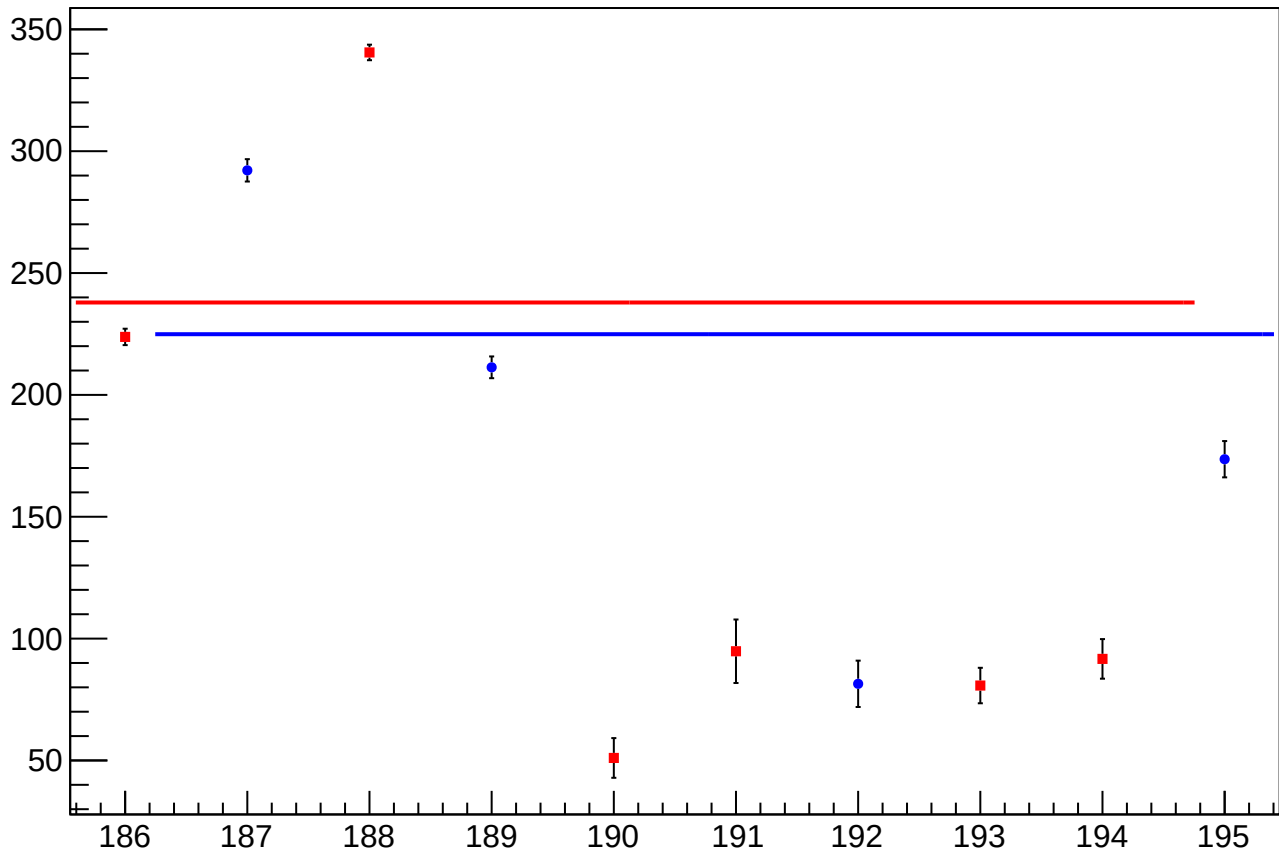
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 37.253 $\pm$ 2.490  $\chi^2$ /NDF: 11.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 224.905 $\pm$ 2.808  $\chi^2$ /NDF: 499.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 237.916 $\pm$ 2.034  $\chi^2$ /NDF: 2490.3/5

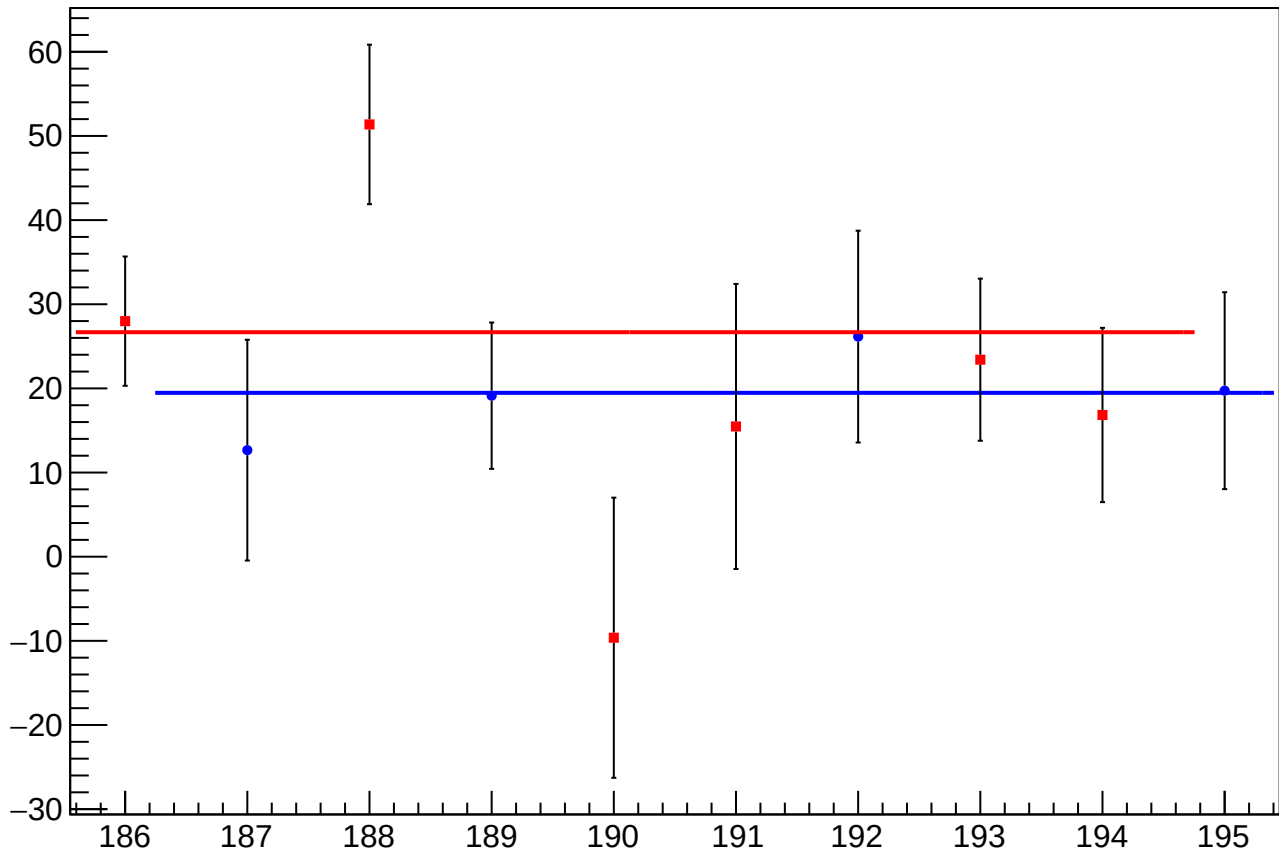
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 233.441 $\pm$ 1.647  $\chi^2$ /NDF: 3003.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 19.473+/-5.534  $\chi^2/\text{NDF}$ : 0.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 26.677+/-4.254  $\chi^2/\text{NDF}$ : 13.0/5

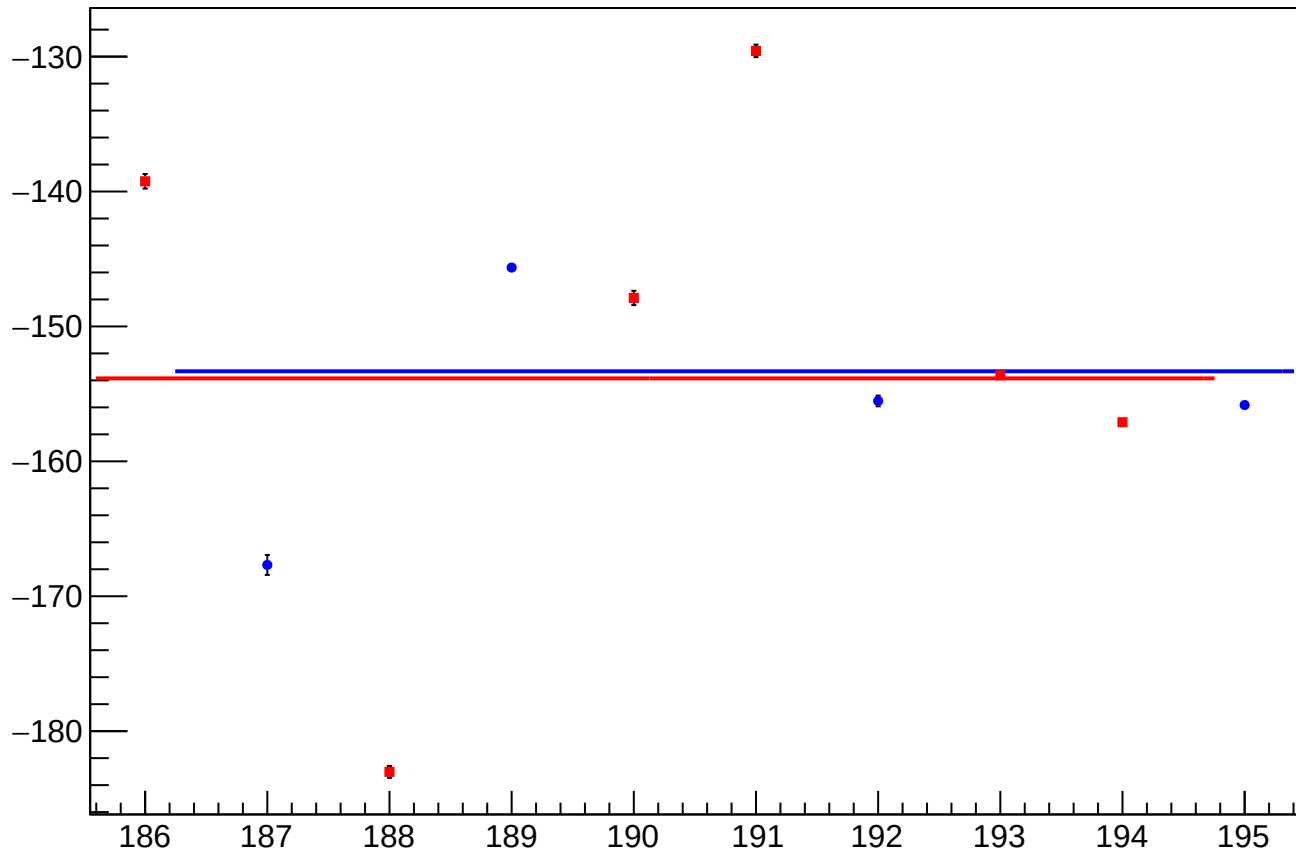
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 24.002+/-3.372  $\chi^2/\text{NDF}$ : 14.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -153.325+/-0.203  $\chi^2/\text{NDF}$ : 923.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -153.852+/-0.160  $\chi^2/\text{NDF}$ : 8110.0/5

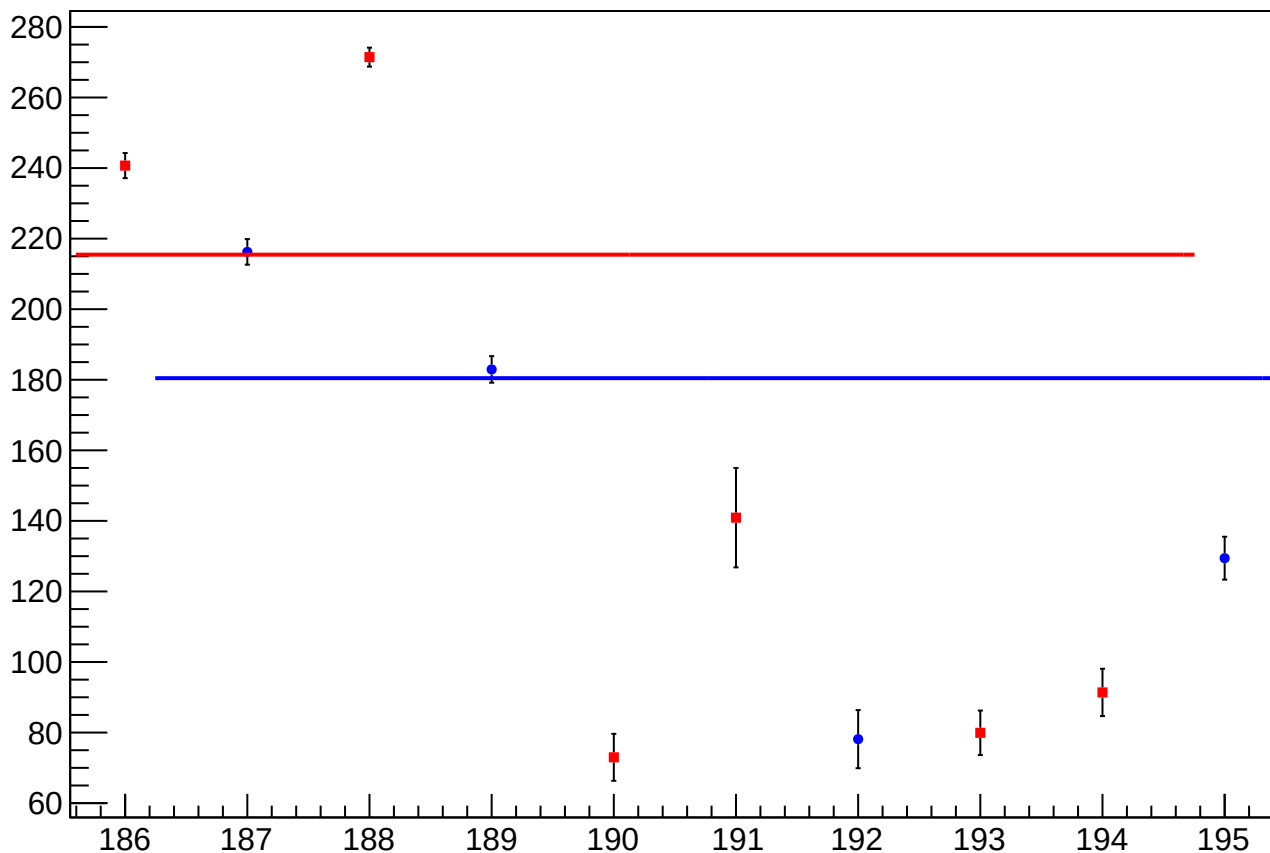
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -153.651+/-0.126  $\chi^2/\text{NDF}$ : 9037.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1l2\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 180.448 $\pm$ 2.305  $\chi^2$ /NDF: 322.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 215.457 $\pm$ 1.849  $\chi^2$ /NDF: 1774.9/5

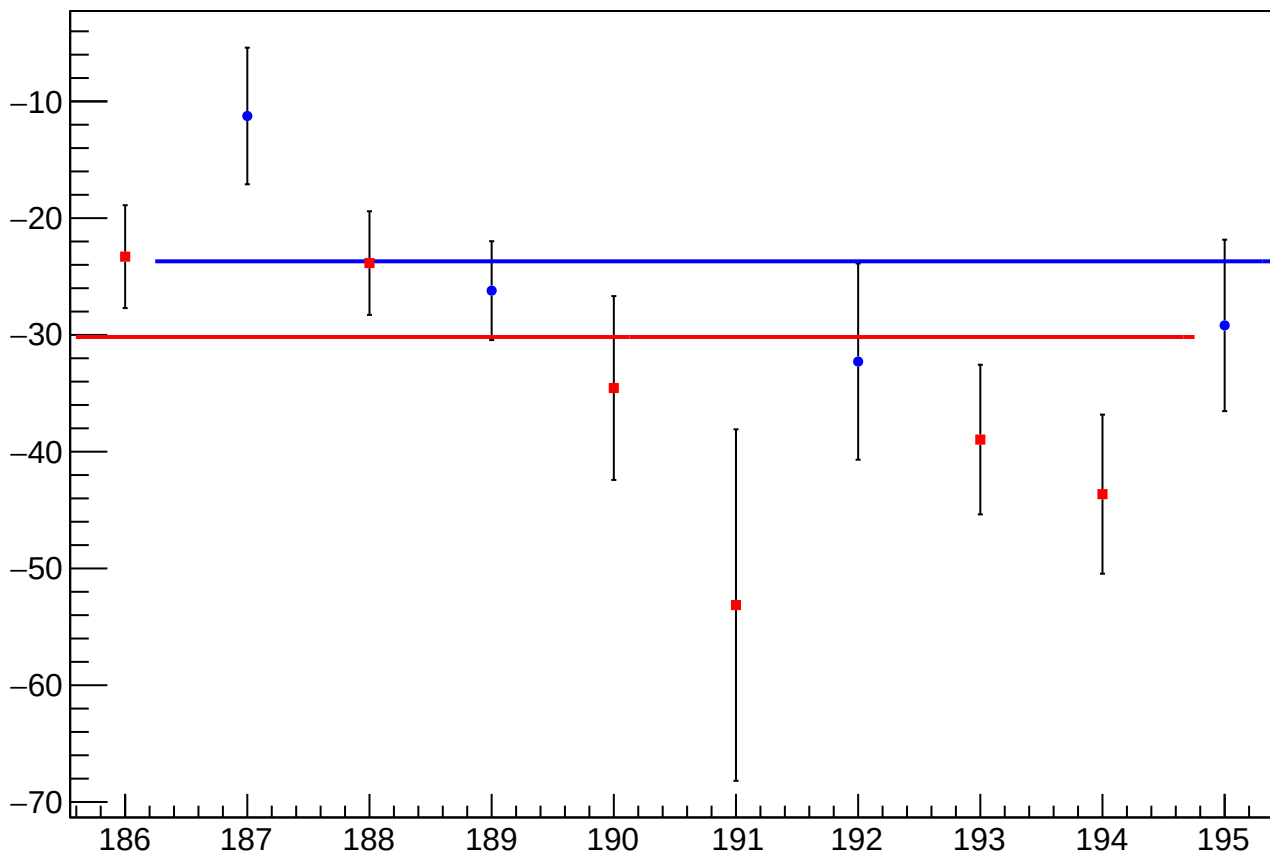
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 201.752 $\pm$ 1.442  $\chi^2$ /NDF: 2237.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-23.697 \pm 2.914$   $\chi^2/\text{NDF}$ : 6.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-30.178 \pm 2.434$   $\chi^2/\text{NDF}$ : 12.9/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

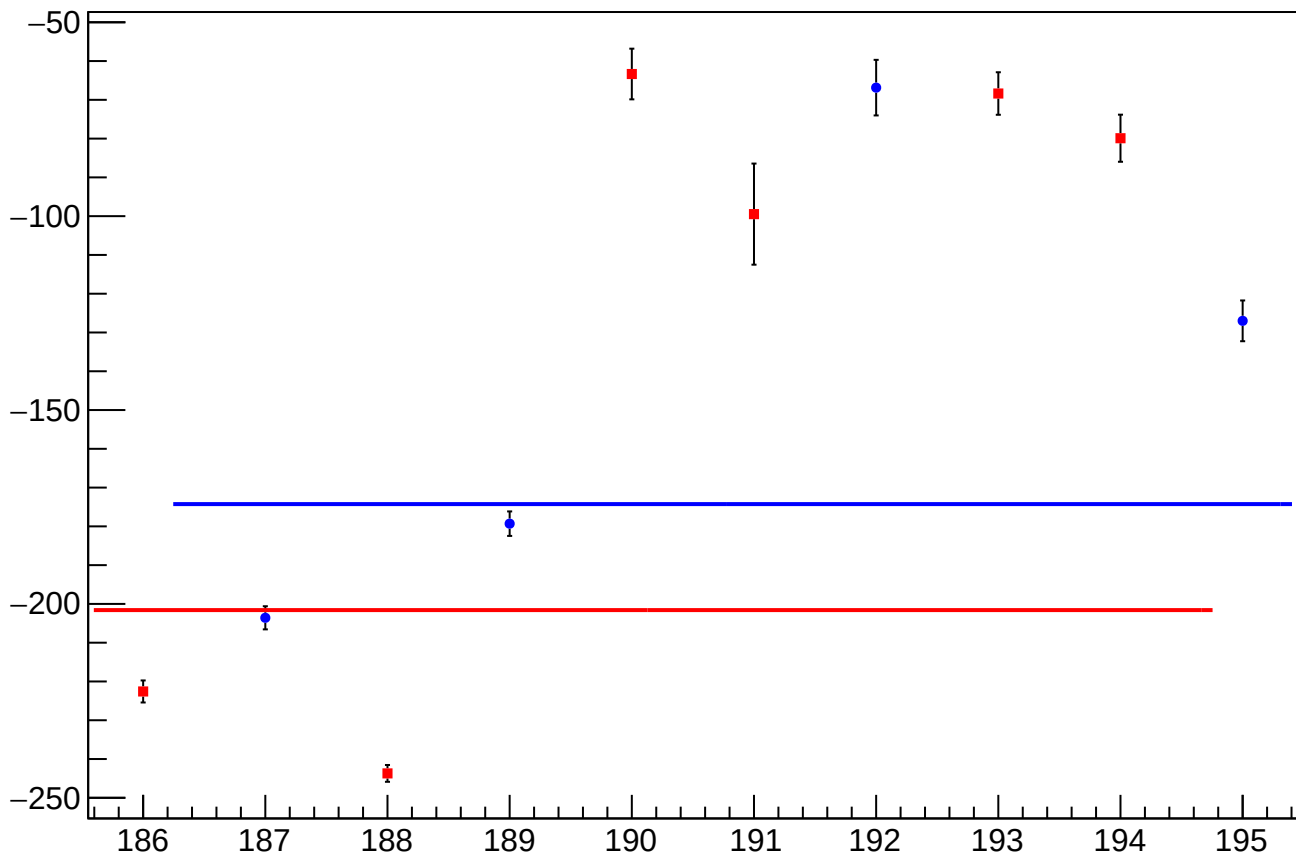
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-27.514 \pm 1.868$   $\chi^2/\text{NDF}$ : 22.3/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-174.257 \pm 1.931$   $\chi^2/\text{NDF}: 404.6/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-201.593 \pm 1.531$   $\chi^2/\text{NDF}: 1932.9/5$

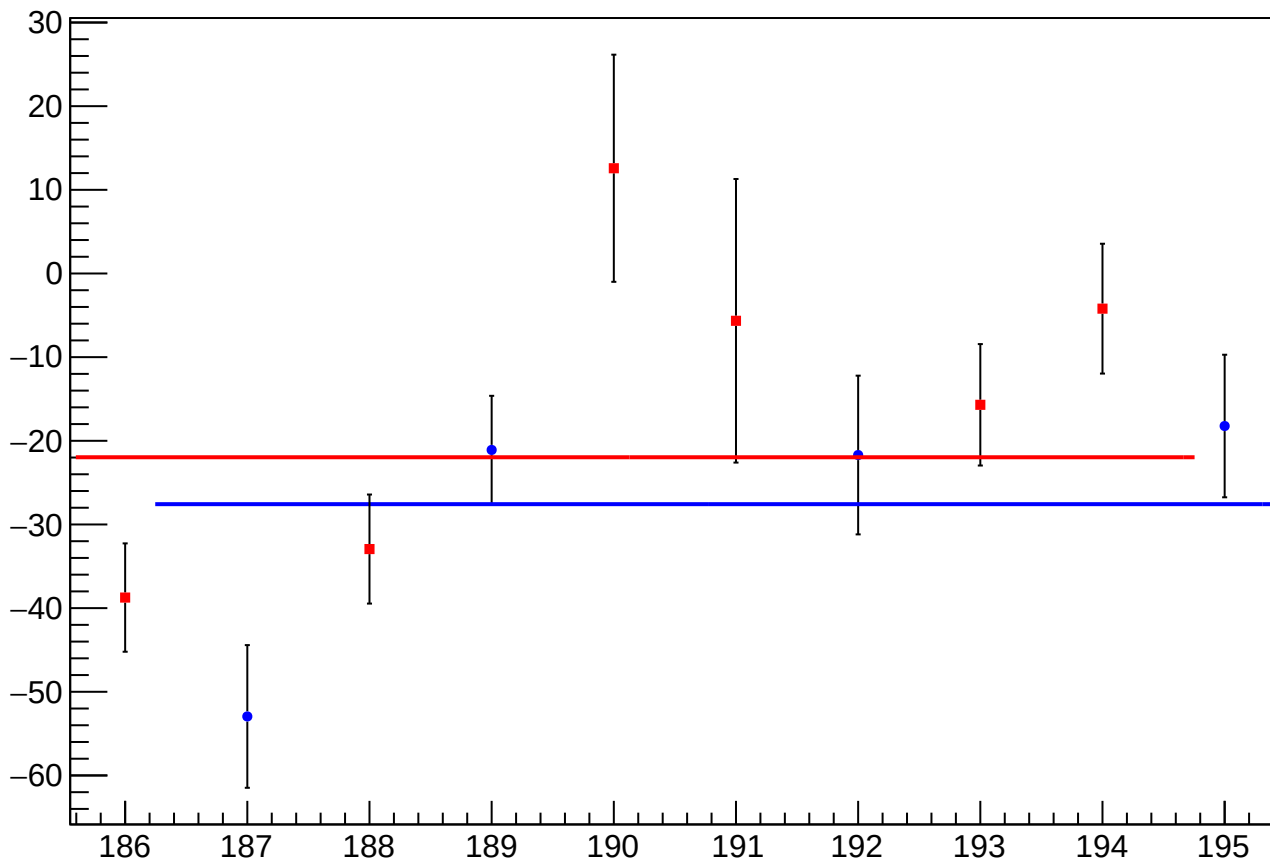
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-191.038 \pm 1.200$   $\chi^2/\text{NDF}: 2460.5/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-27.573 \pm 3.999$   $\chi^2/\text{NDF}$ : 11.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-21.966 \pm 3.299$   $\chi^2/\text{NDF}$ : 22.9/5

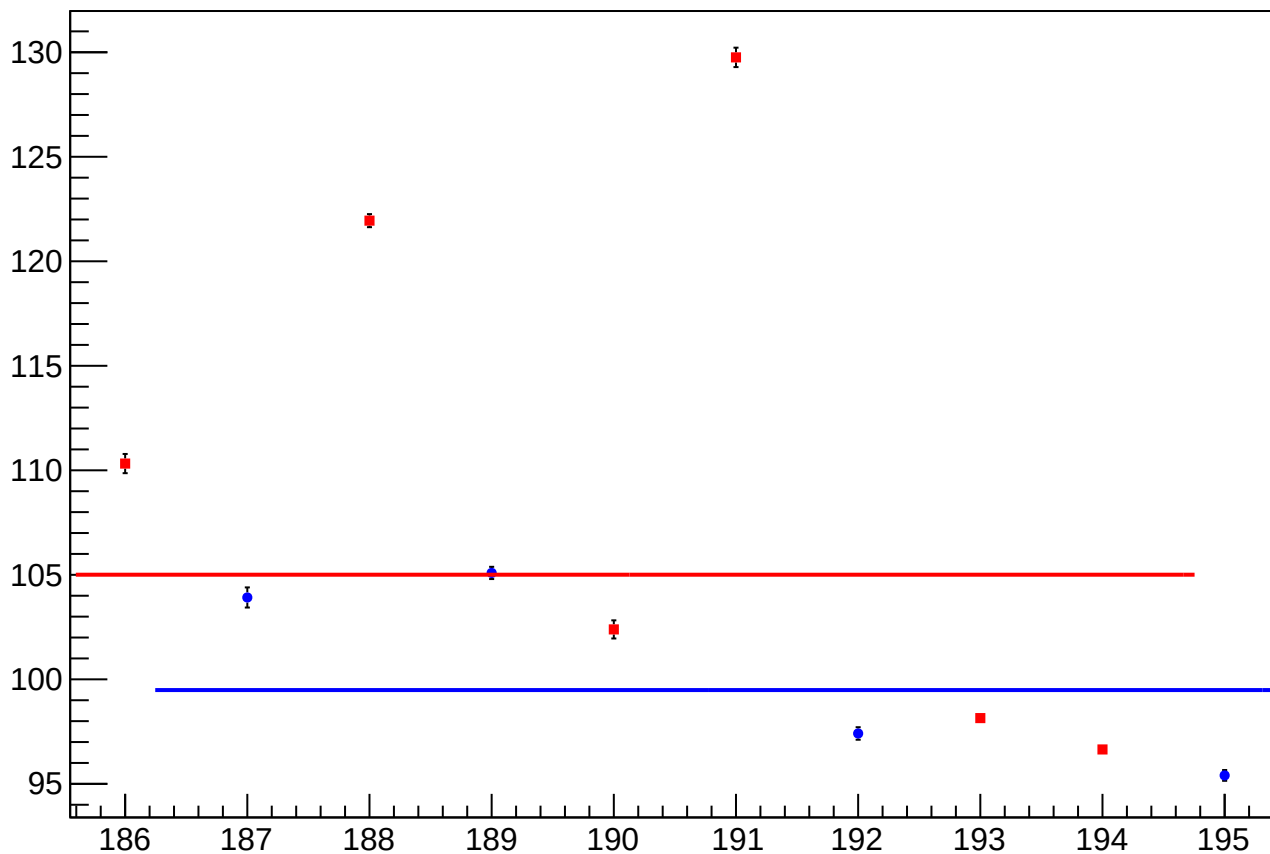
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-24.236 \pm 2.545$   $\chi^2/\text{NDF}$ : 35.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $99.487 \pm 0.154$   $\chi^2/\text{NDF}: 750.6/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $105.006 \pm 0.125$   $\chi^2/\text{NDF}: 8264.1/5$

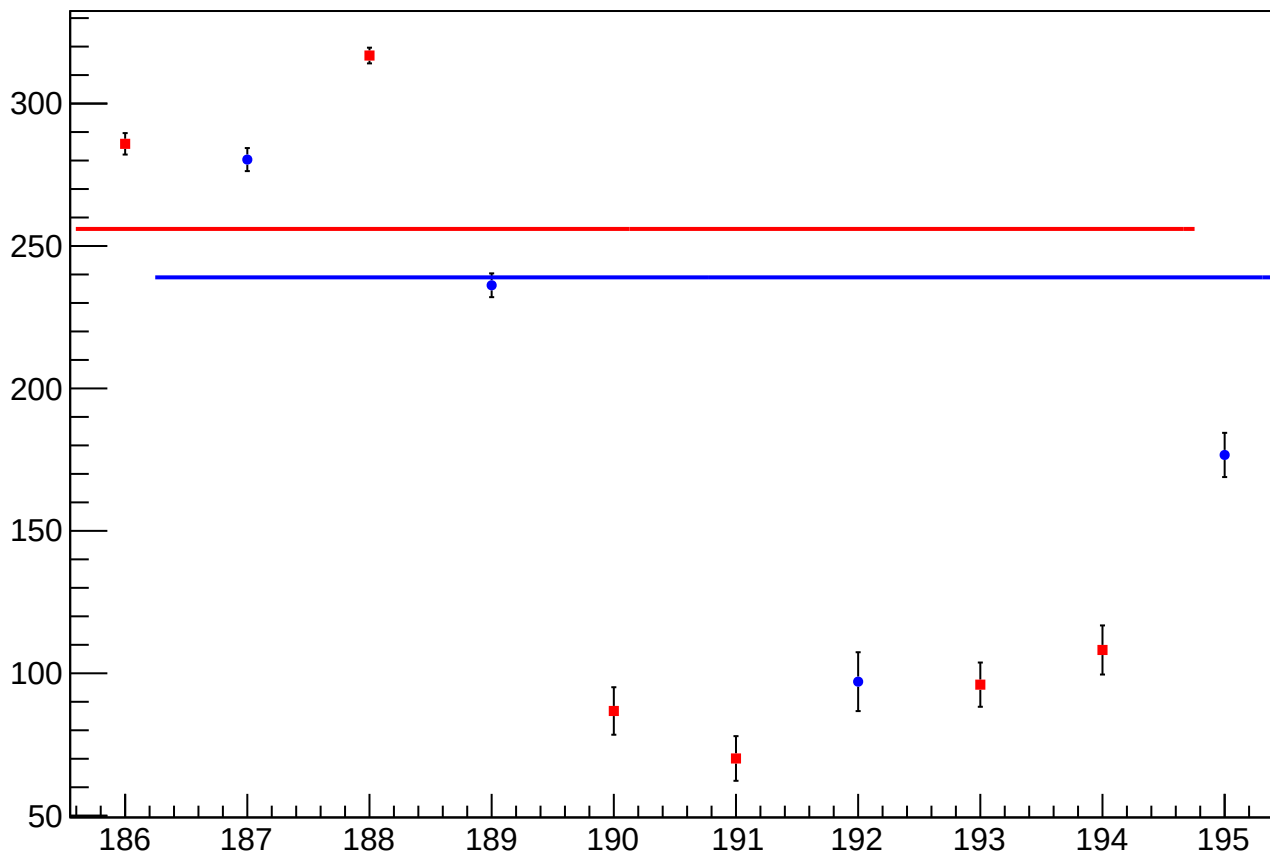
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $102.821 \pm 0.097$   $\chi^2/\text{NDF}: 9791.2/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm1X\_slope vs Slug



Right In: 238.989 $\pm$ 2.632  $\chi^2$ /NDF: 358.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 255.990 $\pm$ 1.952  $\chi^2$ /NDF: 2242.6/5

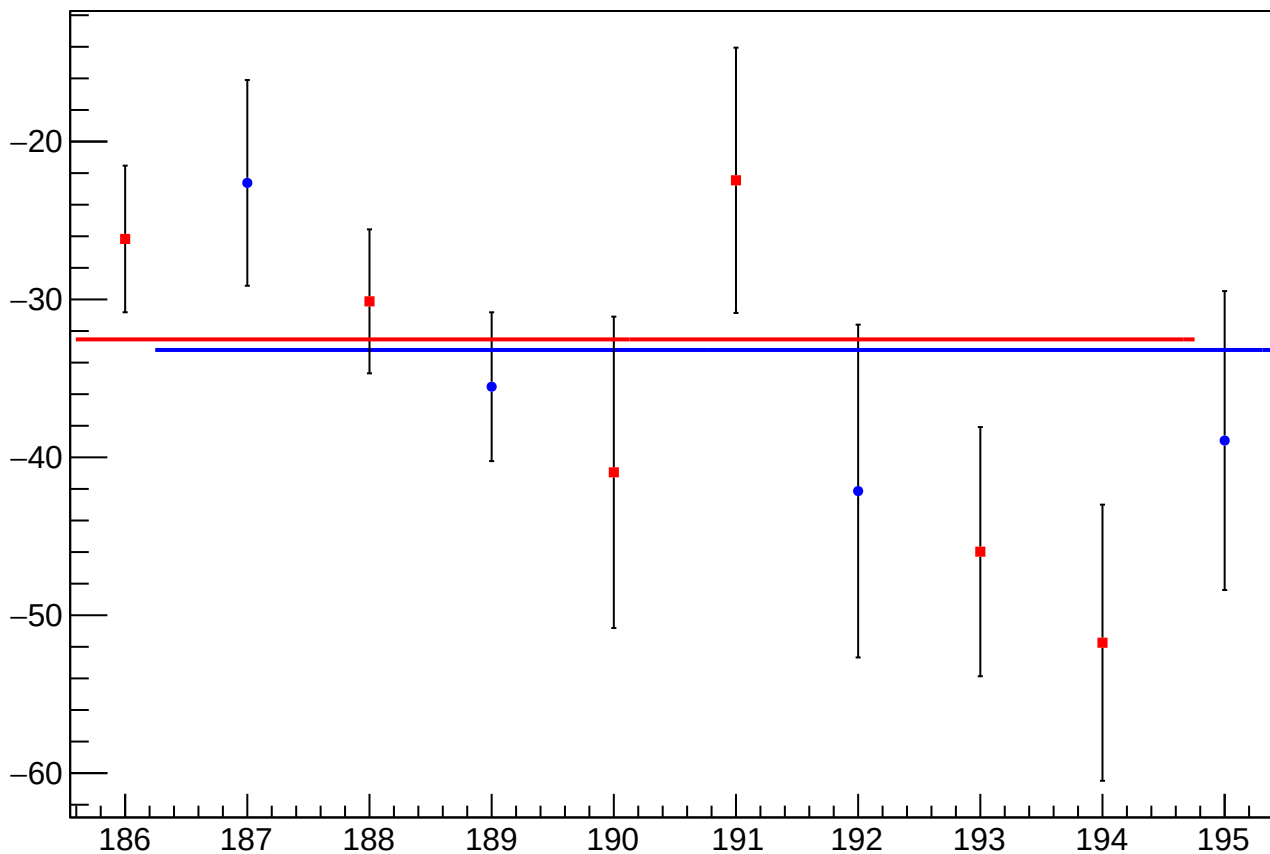
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 249.958 $\pm$ 1.568  $\chi^2$ /NDF: 2627.7/9

- 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: -33.200 $\pm$ 3.357  $\chi^2$ /NDF: 4.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -32.529 $\pm$ 2.598  $\chi^2$ /NDF: 12.1/5

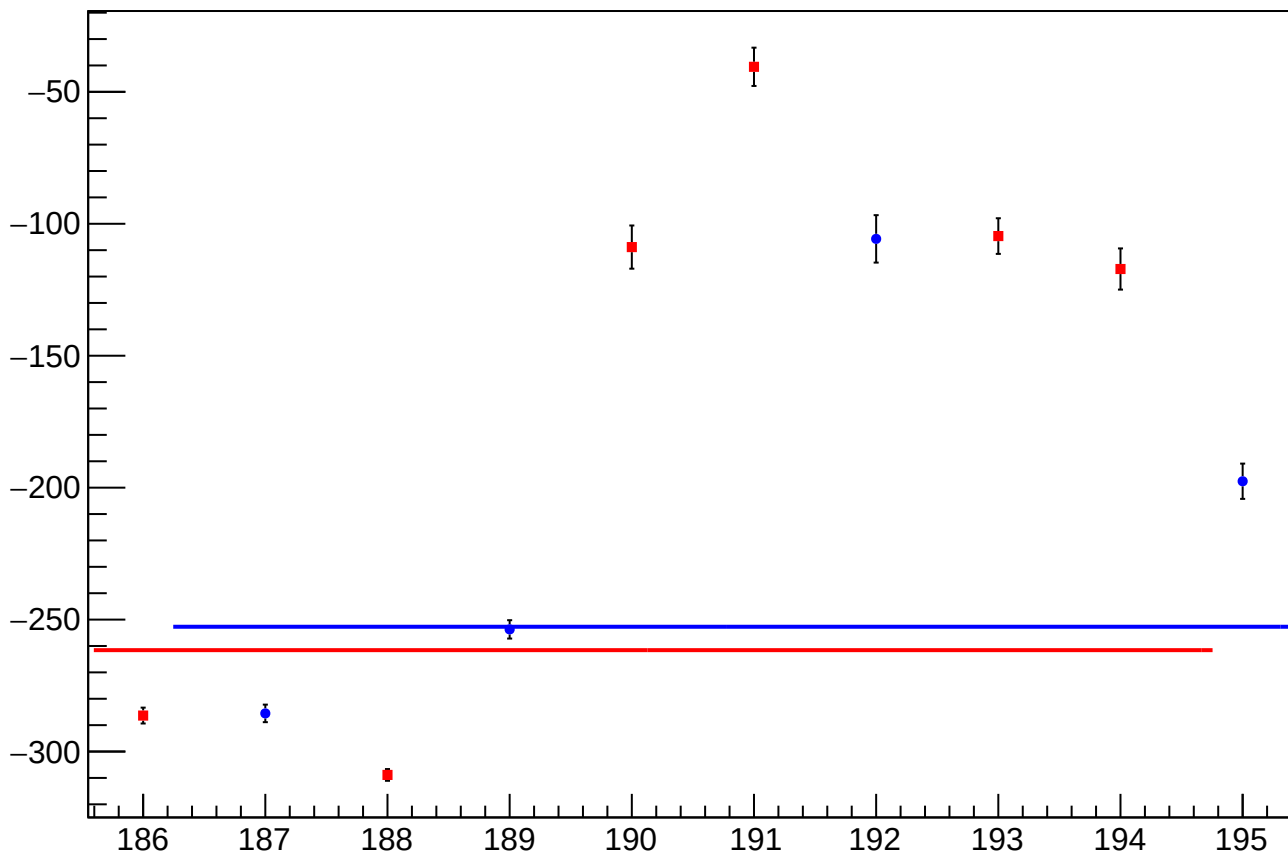
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -32.780 $\pm$ 2.055  $\chi^2$ /NDF: 16.0/9

- 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: -252.710+/-2.194  $\chi^2/\text{NDF}$ : 433.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -261.578+/-1.612  $\chi^2/\text{NDF}$ : 2679.1/5

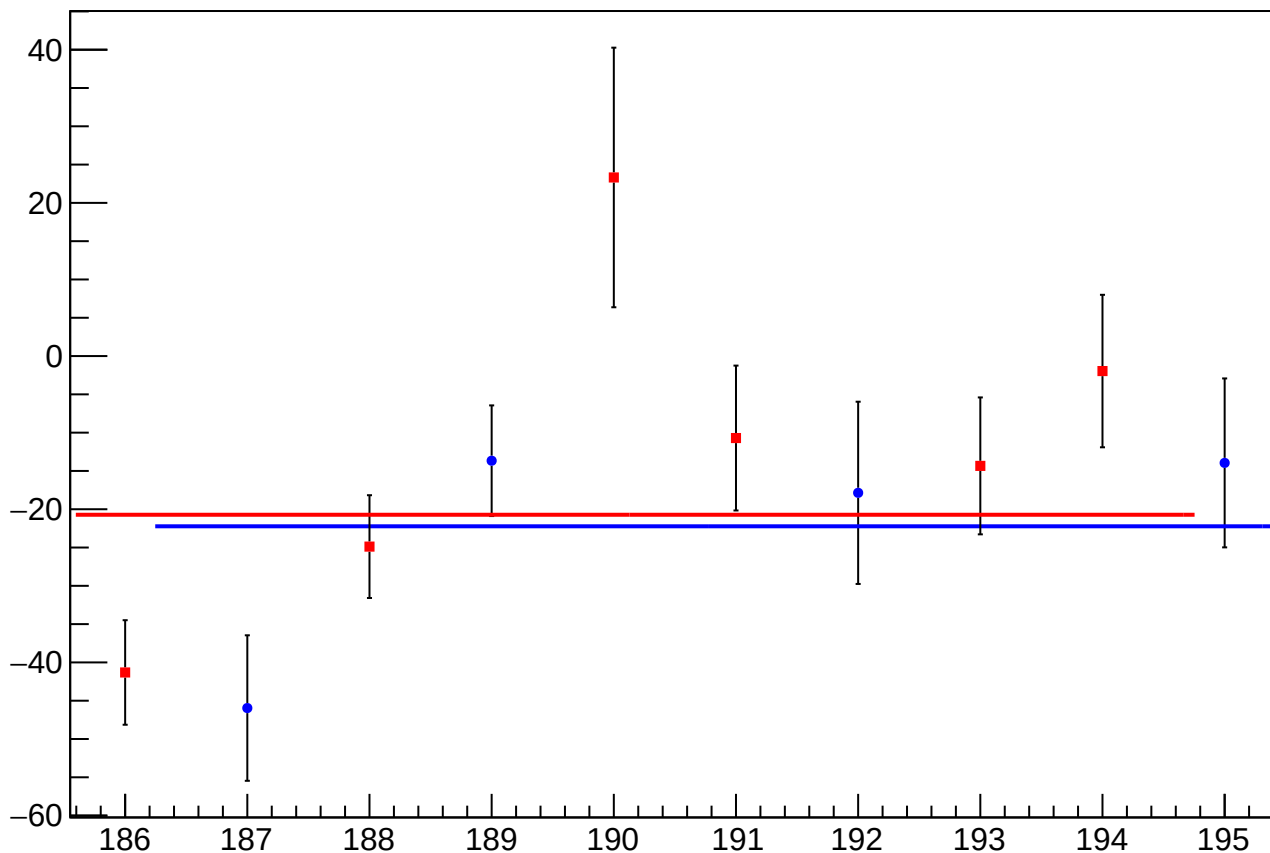
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -258.470+/-1.299  $\chi^2/\text{NDF}$ : 3122.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: -22.228+/-4.686  $\chi^2/\text{NDF}$ : 8.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -20.721+/-3.515  $\chi^2/\text{NDF}$ : 21.4/5

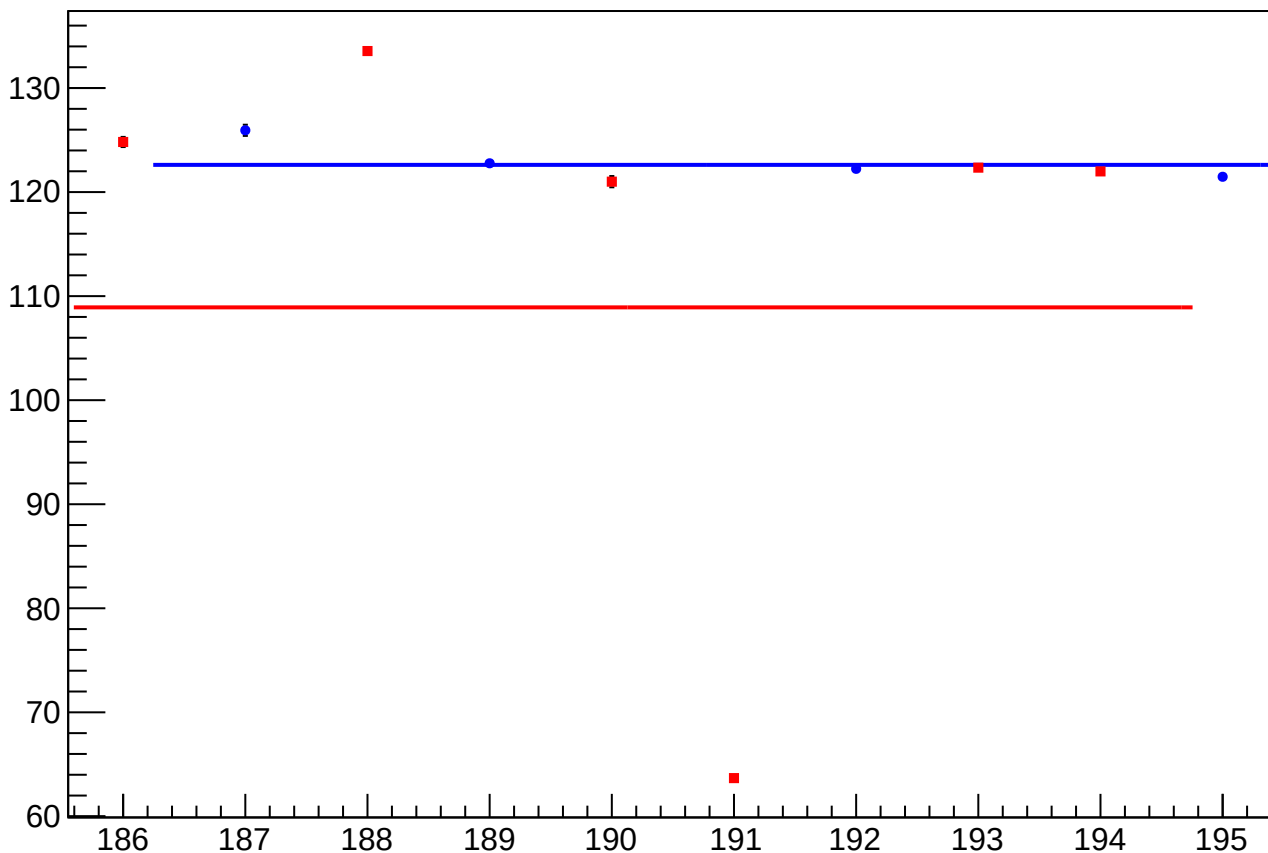
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -21.263+/-2.812  $\chi^2/\text{NDF}$ : 29.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 122.615 $\pm$ 0.188  $\chi^2$ /NDF: 51.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 108.920 $\pm$ 0.132  $\chi^2$ /NDF: 42232.7/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

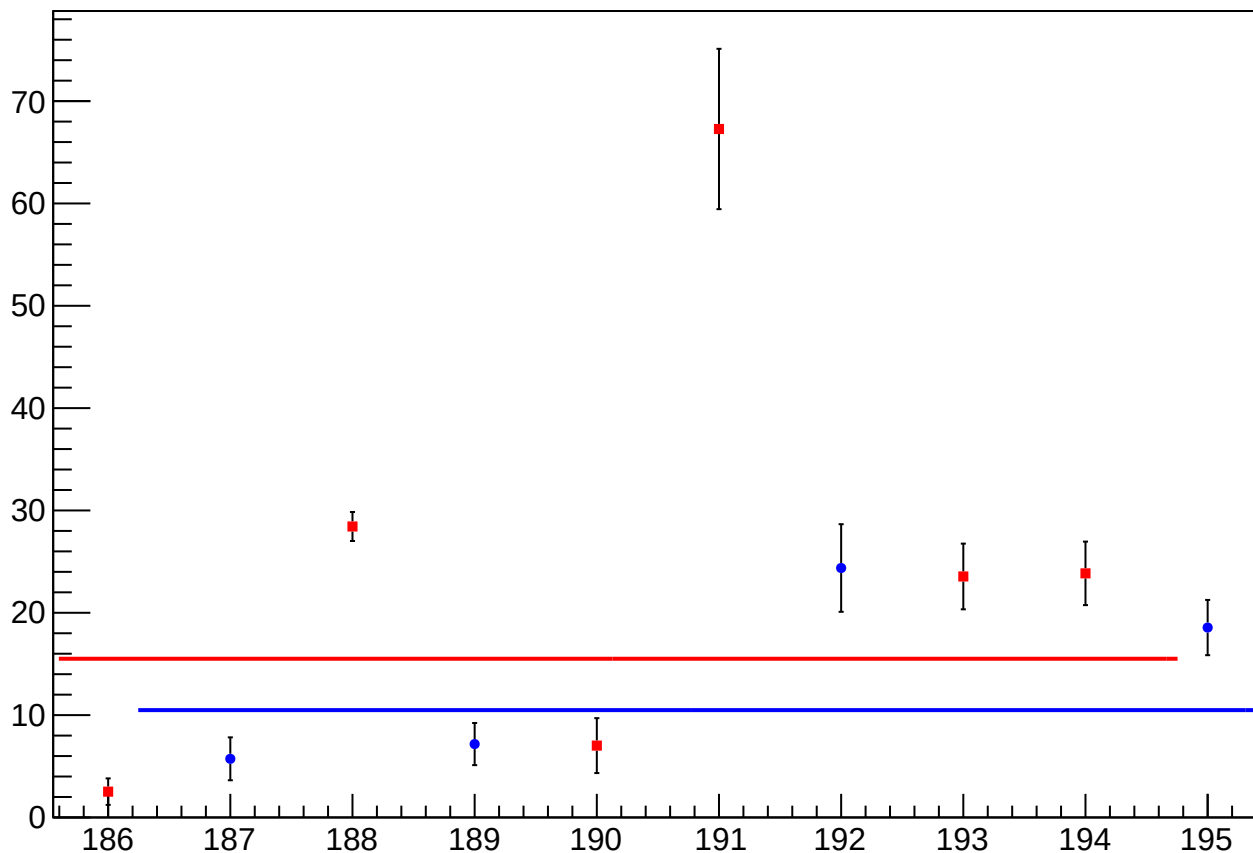
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 113.454 $\pm$ 0.108  $\chi^2$ /NDF: 45825.5/9

- 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: 10.488+/-1.236  $\chi^2/\text{NDF}$ : 27.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 15.509+/-0.830  $\chi^2/\text{NDF}$ : 250.9/5

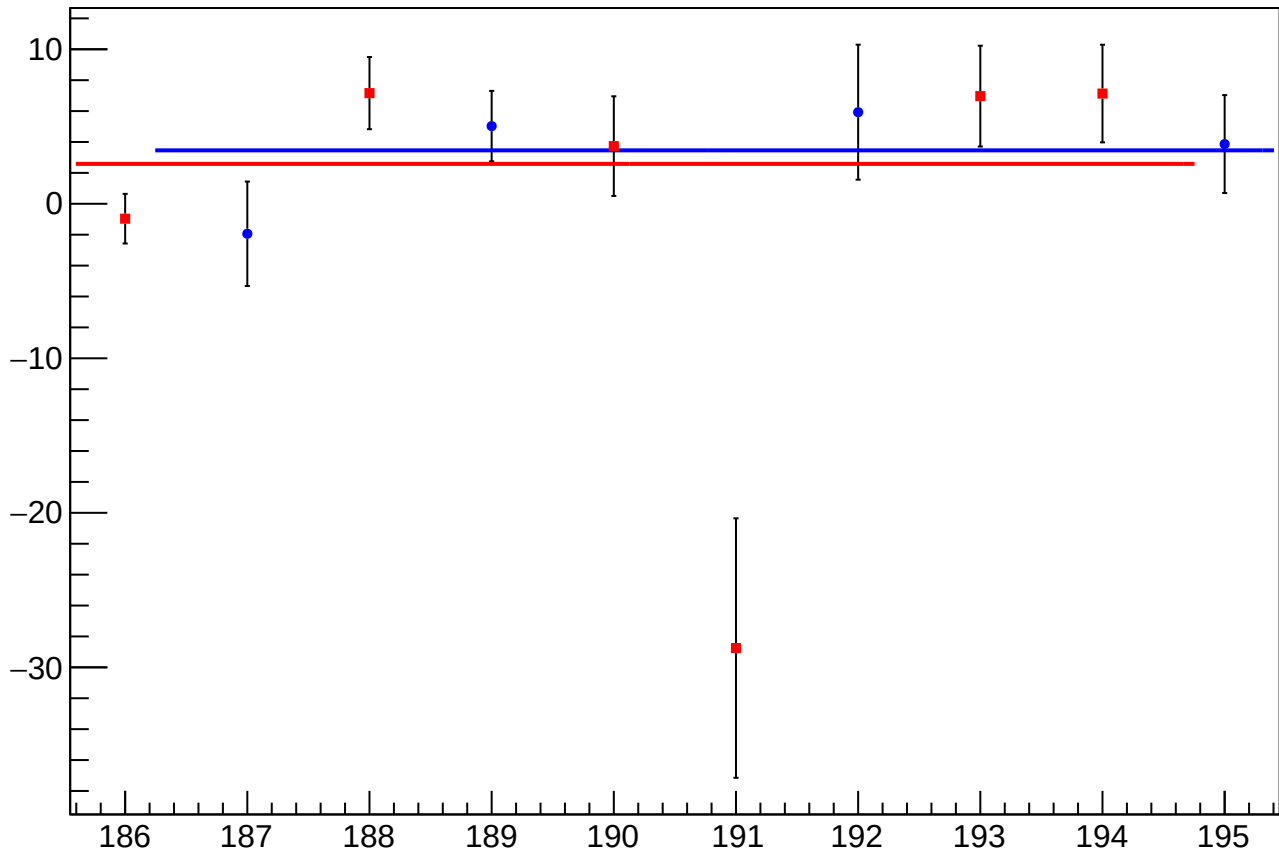
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 13.947+/-0.689  $\chi^2/\text{NDF}$ : 289.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 3.458+/-1.521  $\chi^2/\text{NDF}$ : 3.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.583+/-1.069  $\chi^2/\text{NDF}$ : 26.7/5

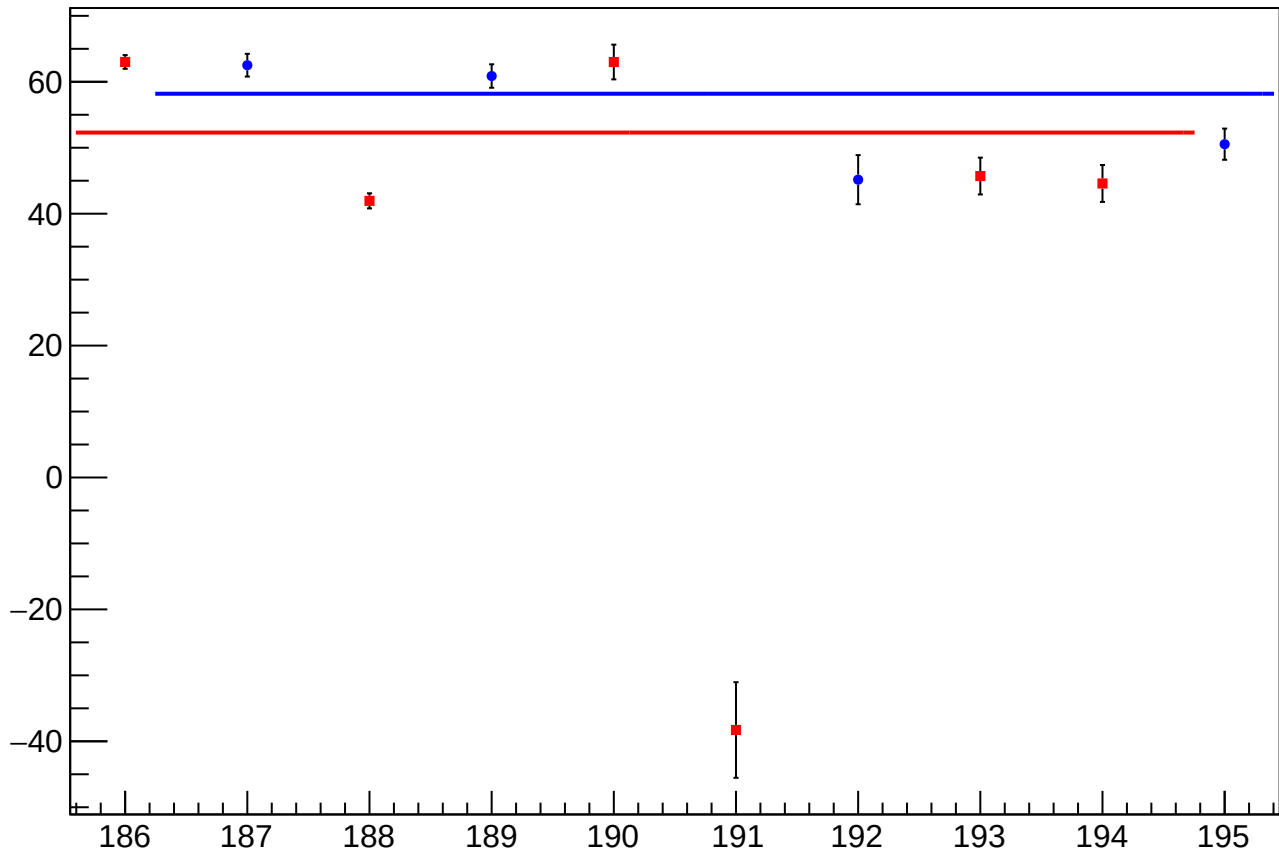
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.872+/-0.875  $\chi^2/\text{NDF}$ : 30.2/9

- 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: 58.189 $\pm$ 1.051  $\chi^2$ /NDF: 31.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 52.304 $\pm$ 0.689  $\chi^2$ /NDF: 373.7/5

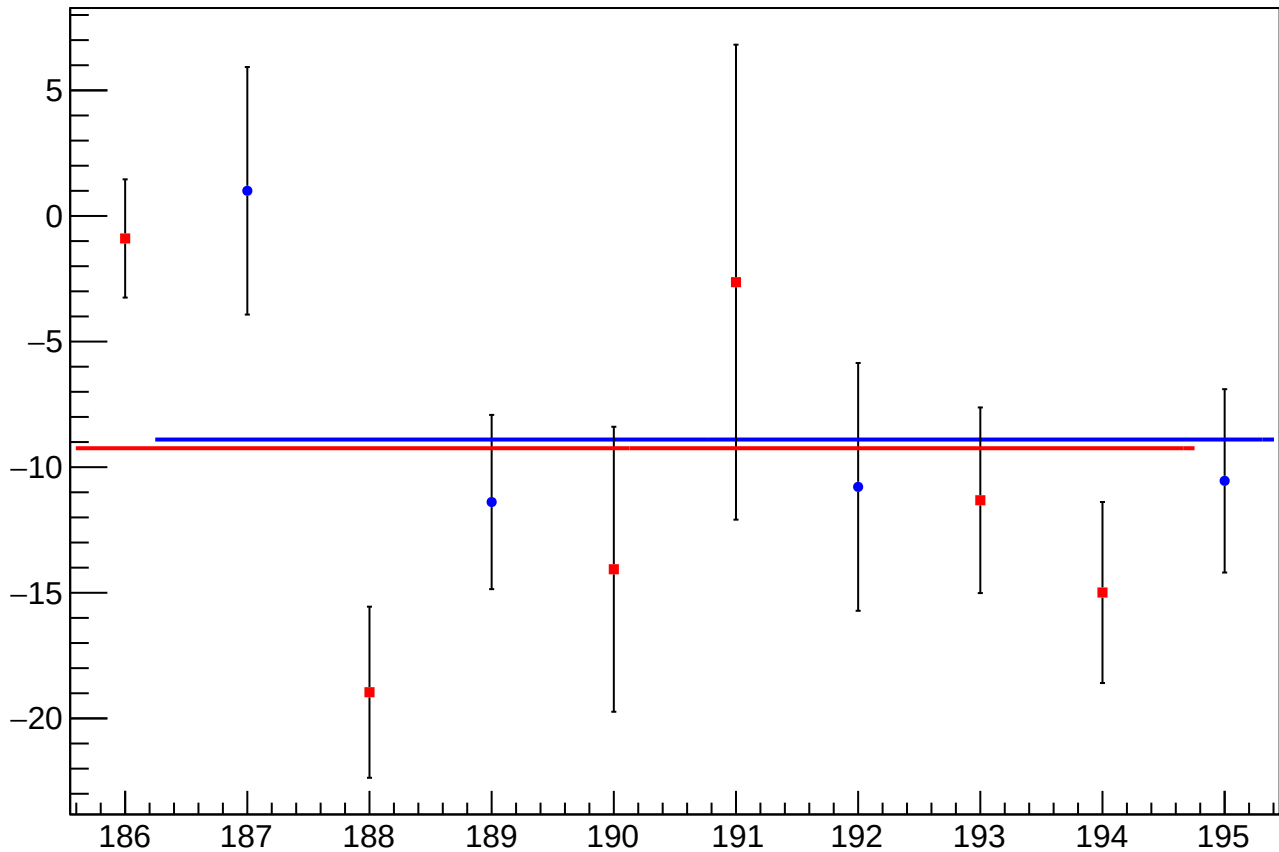
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 54.071 $\pm$ 0.576  $\chi^2$ /NDF: 426.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-8.899 \pm 2.039$   $\chi^2/\text{NDF}$ : 4.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-9.246 \pm 1.476$   $\chi^2/\text{NDF}$ : 24.8/5

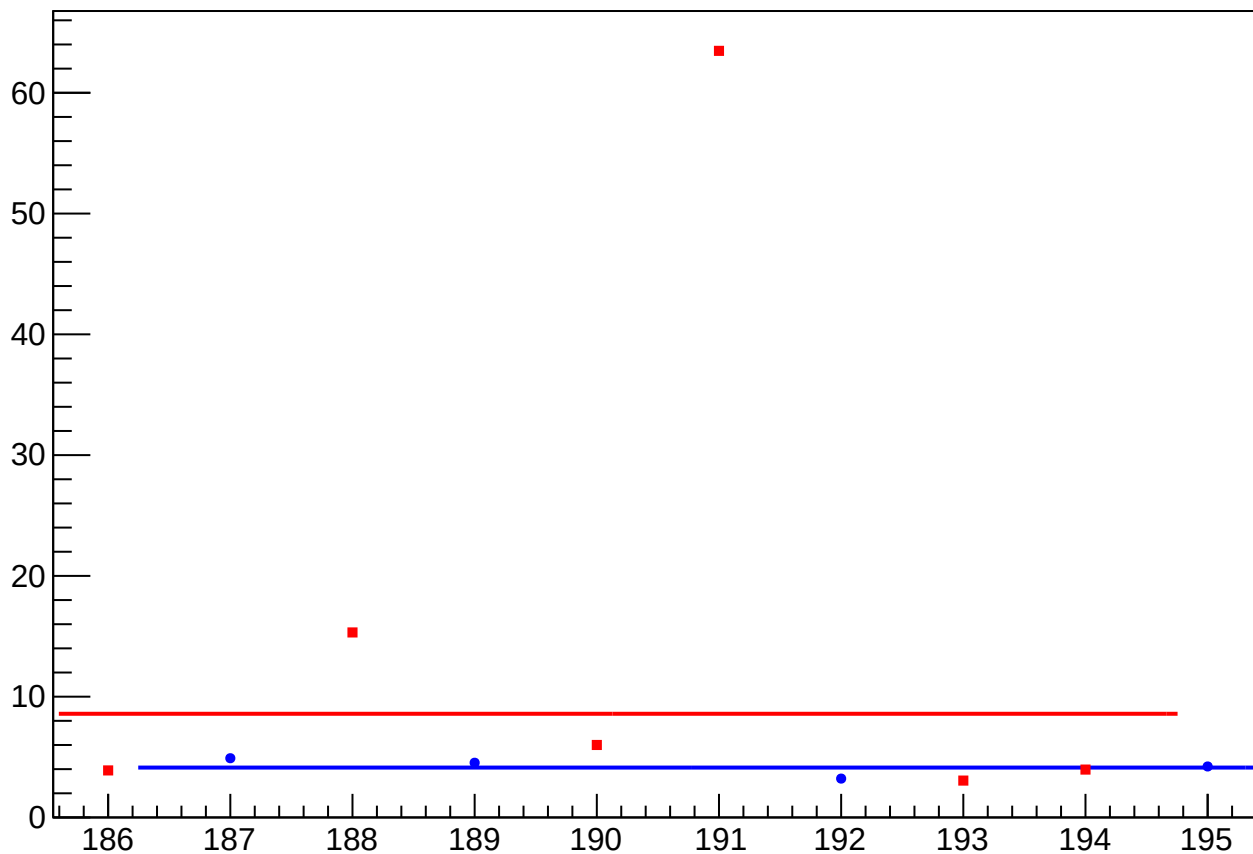
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-9.127 \pm 1.195$   $\chi^2/\text{NDF}$ : 29.7/9

- 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: 4.130 $\pm$ 0.073  $\chi^2$ /NDF: 50.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 8.584 $\pm$ 0.059  $\chi^2$ /NDF: 52015.1/5

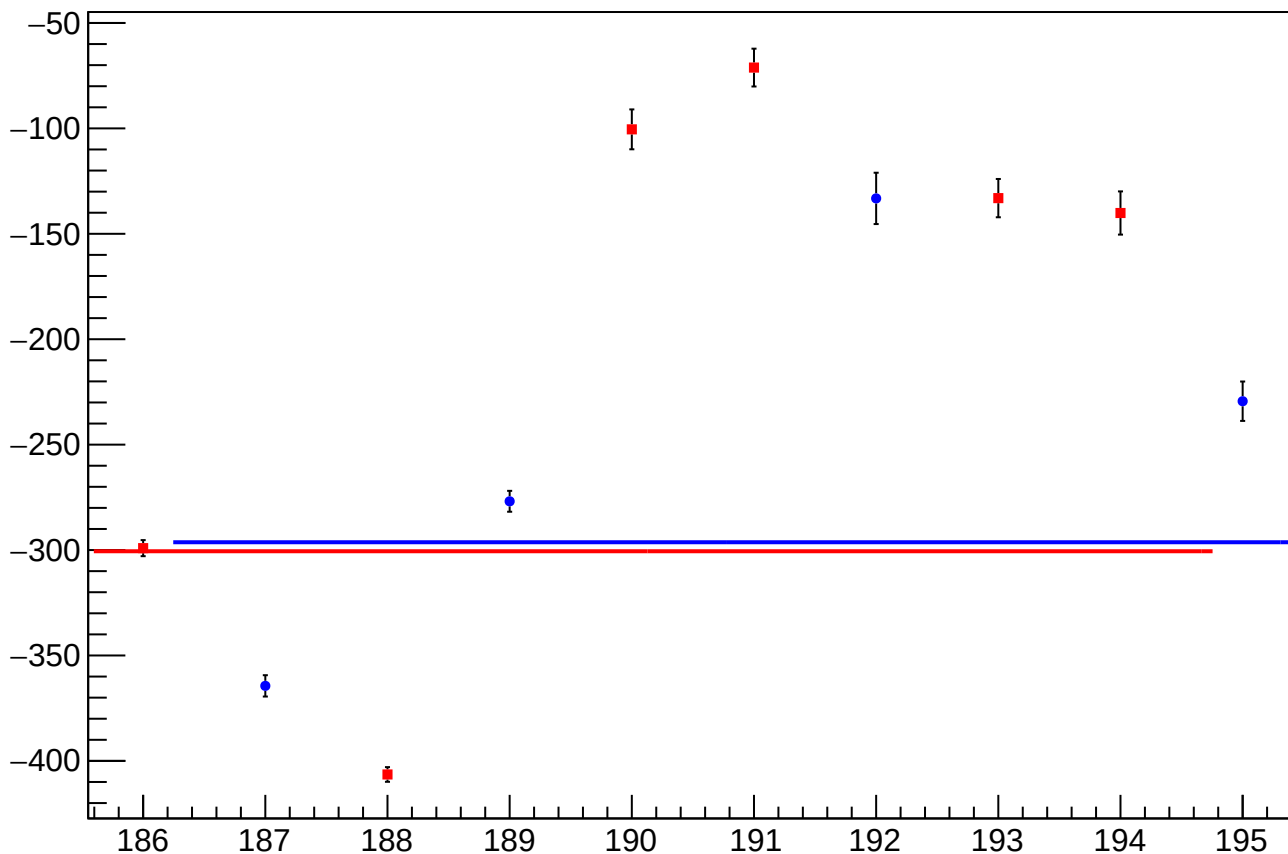
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.824 $\pm$ 0.046  $\chi^2$ /NDF: 54328.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -296.293+/-3.195  $\chi^2$ /NDF: 427.3/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -300.566+/-2.254  $\chi^2$ /NDF: 2613.4/5

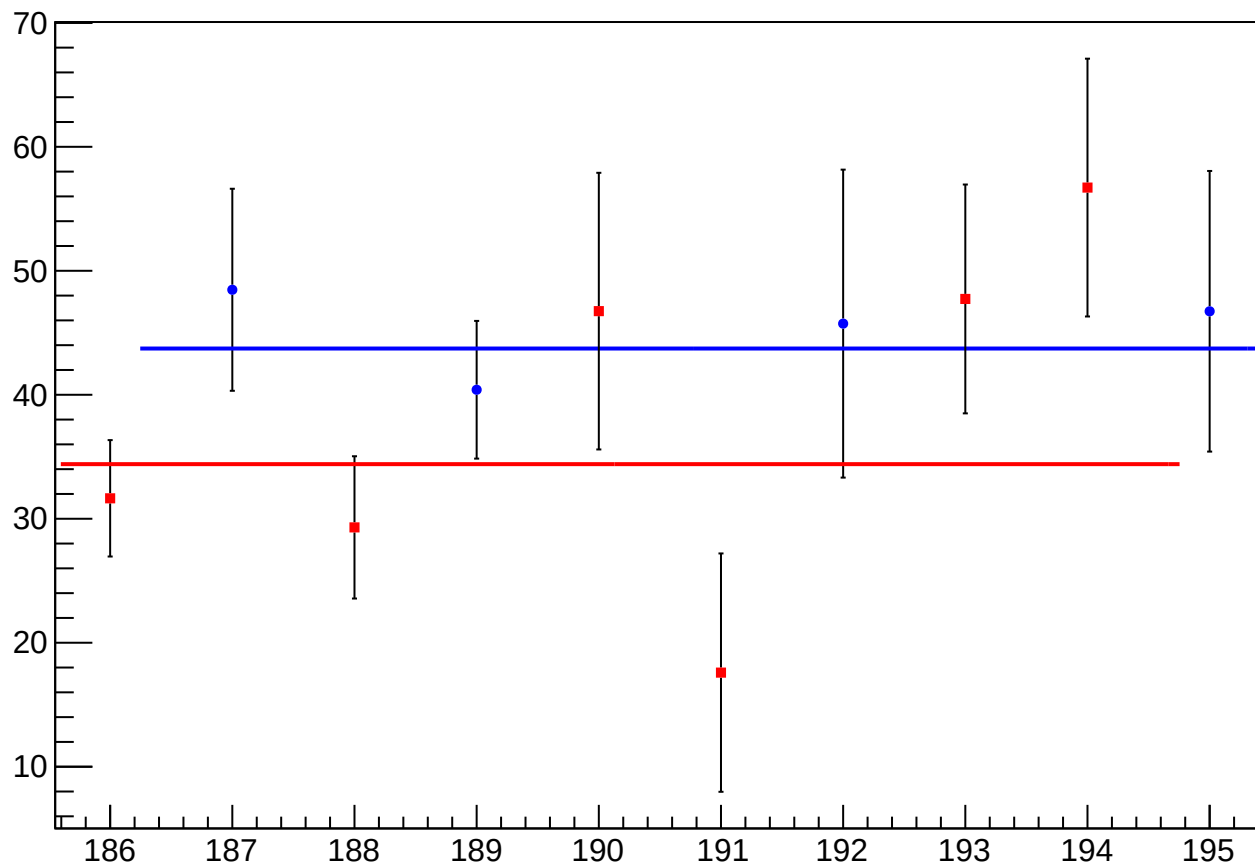
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -299.146+/-1.842  $\chi^2$ /NDF: 3041.9/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 43.730 $\pm$ 4.023  $\chi^2$ /NDF: 0.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 34.405 $\pm$ 2.941  $\chi^2$ /NDF: 12.1/5

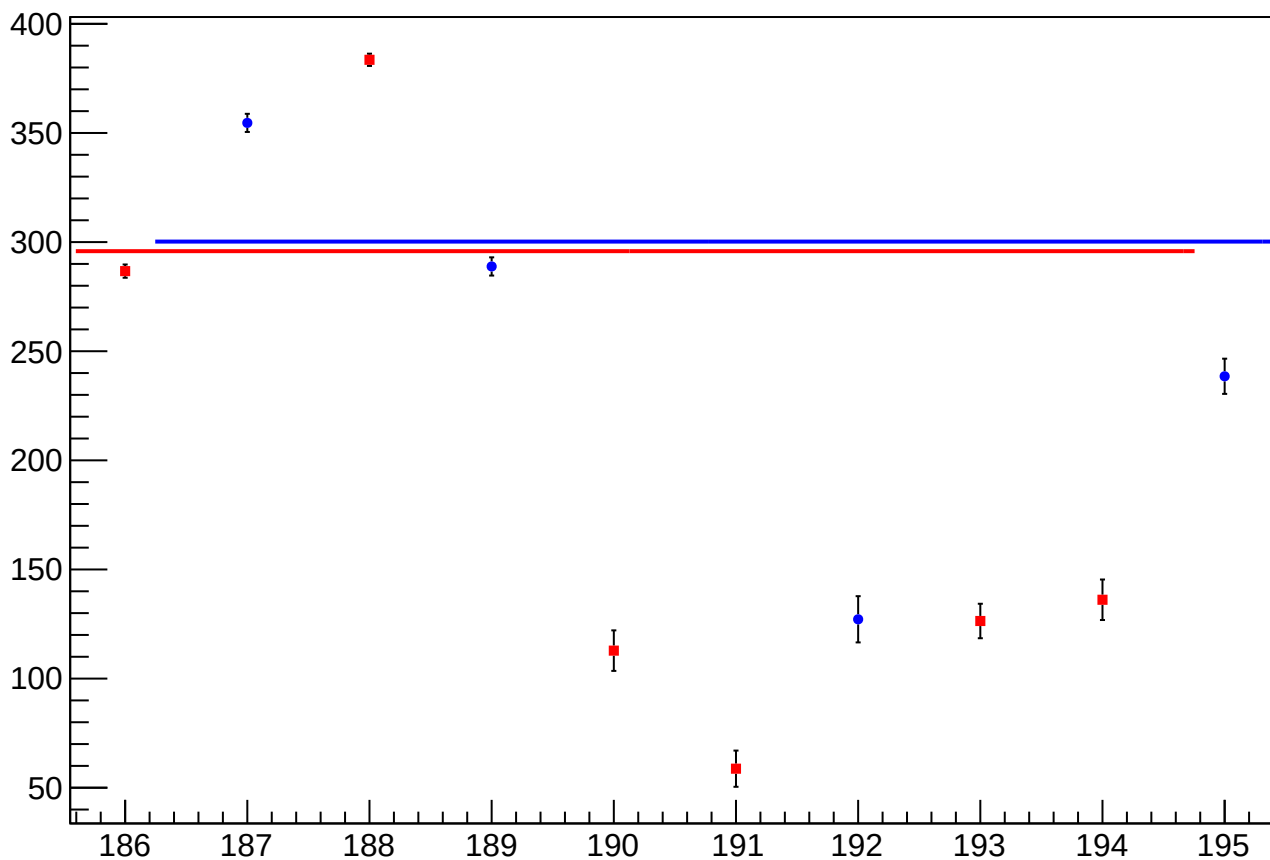
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 37.653 $\pm$ 2.374  $\chi^2$ /NDF: 16.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $300.236 \pm 2.677$   $\chi^2/\text{NDF}: 503.9/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $295.844 \pm 1.861$   $\chi^2/\text{NDF}: 2946.3/5$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

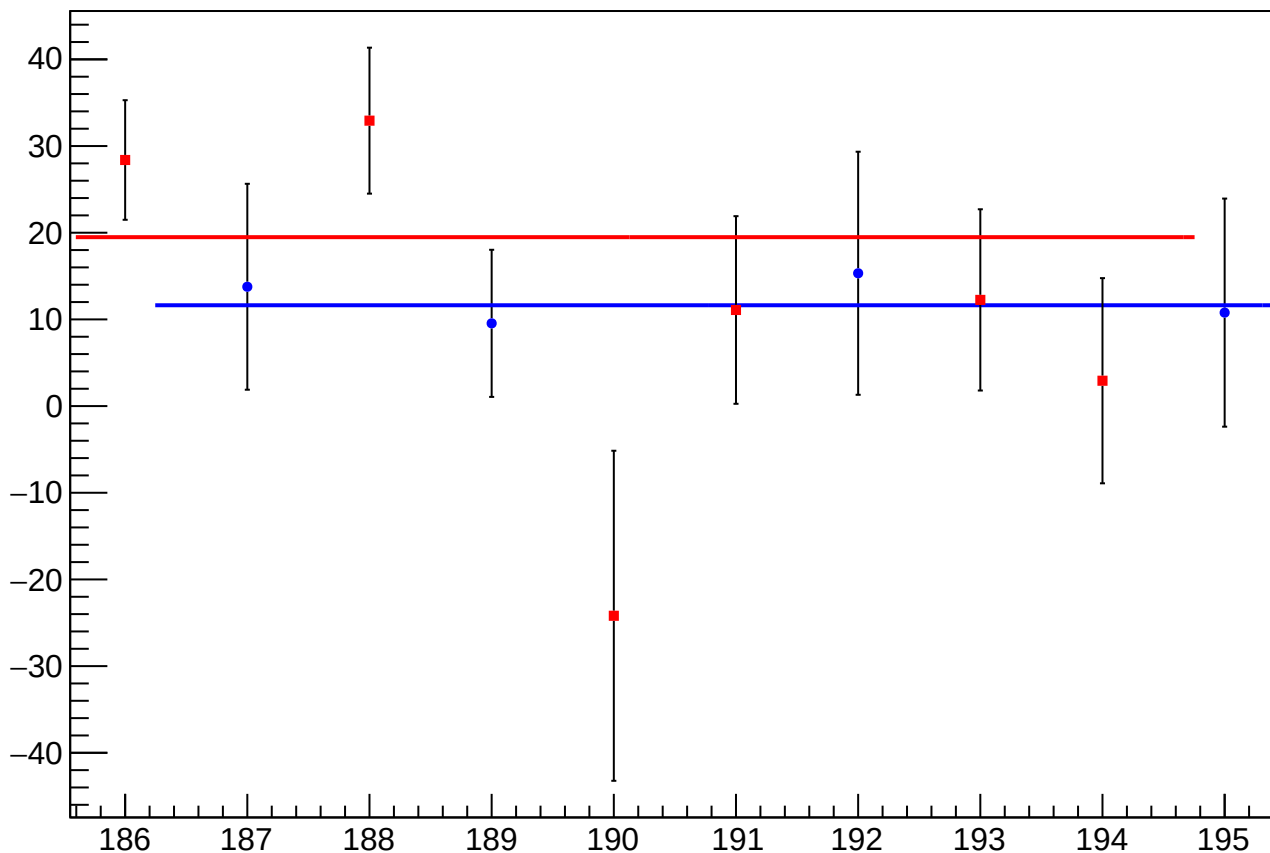
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $297.275 \pm 1.528$   $\chi^2/\text{NDF}: 3452.1/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 11.632 $\pm$ 5.605  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 19.488 $\pm$ 3.994  $\chi^2$ /NDF: 12.5/5

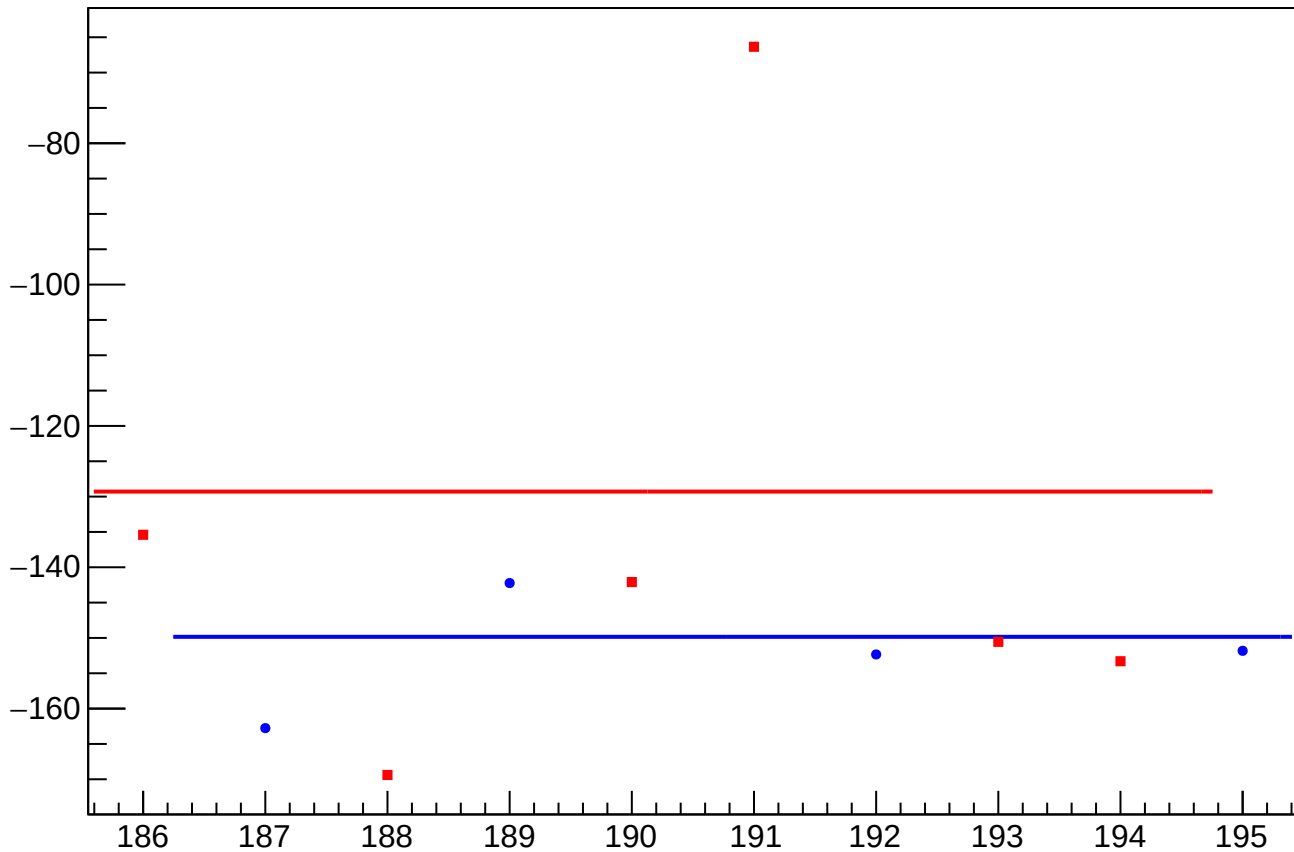
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 16.842 $\pm$ 3.252  $\chi^2$ /NDF: 14.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-149.843 \pm 0.220$   $\chi^2/\text{NDF}$ : 835.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-129.289 \pm 0.154$   $\chi^2/\text{NDF}$ : 64835.9/5

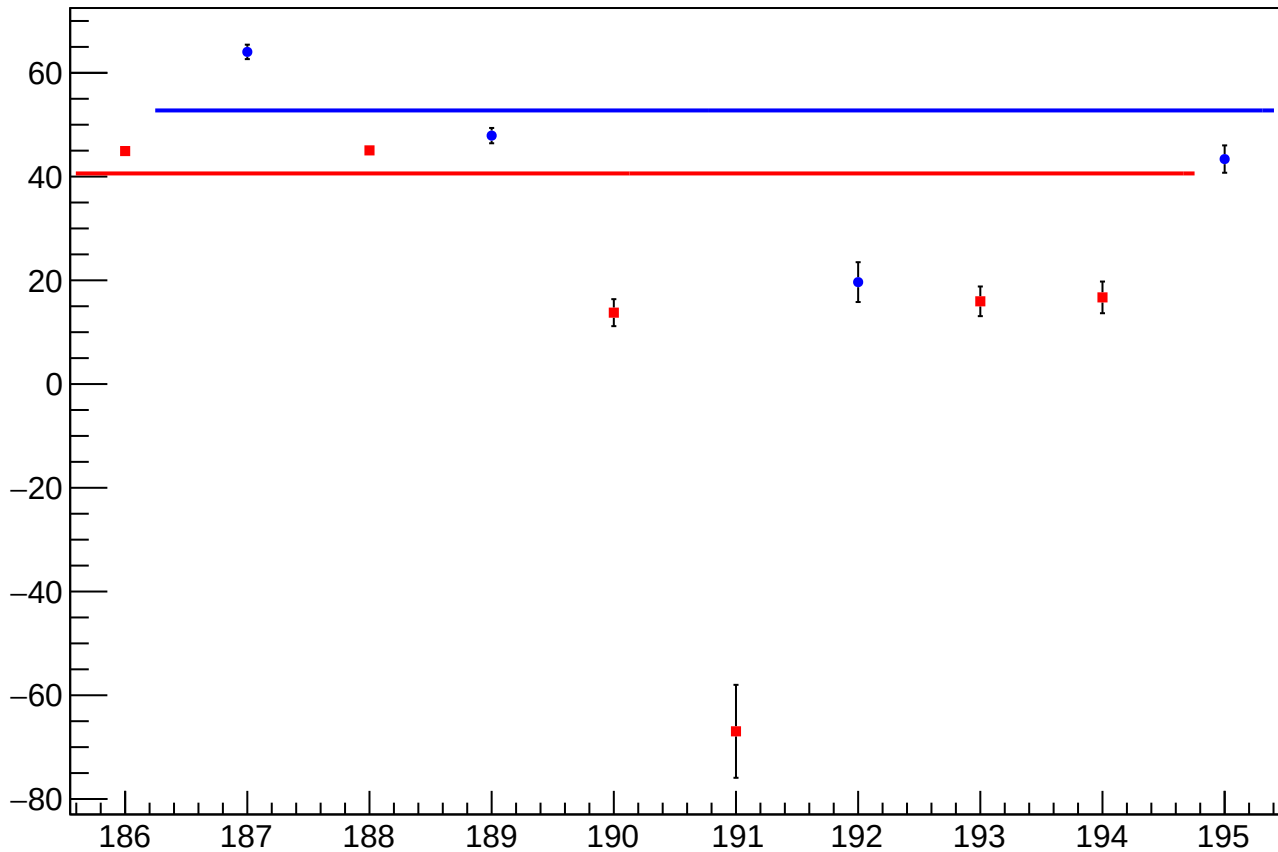
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-136.018 \pm 0.126$   $\chi^2/\text{NDF}$ : 71539.4/9

- 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: 52.751 $\pm$ 0.918  $\chi^2$ /NDF: 163.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 40.605 $\pm$ 0.590  $\chi^2$ /NDF: 433.6/5

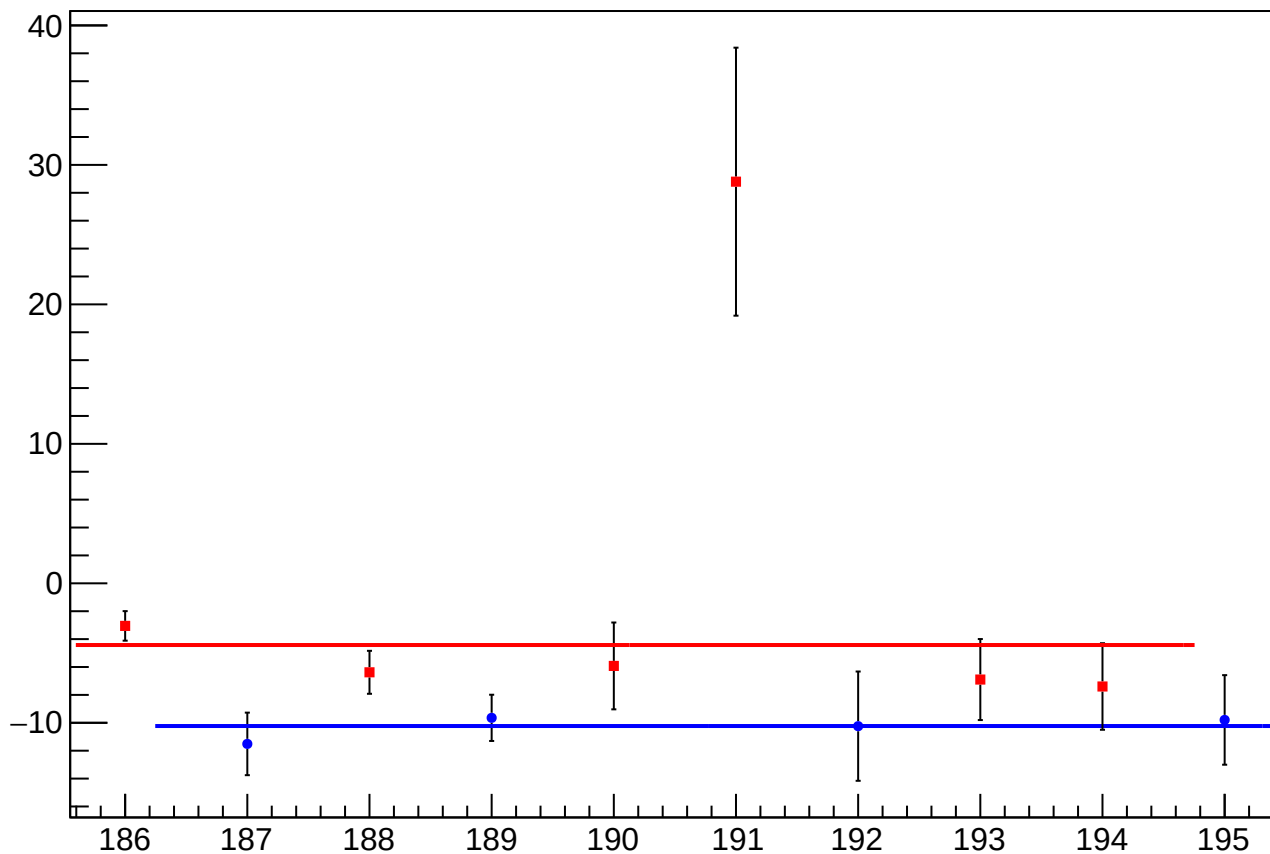
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 44.150 $\pm$ 0.496  $\chi^2$ /NDF: 720.9/9

- 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:  $-10.231 \pm 1.174$   $\chi^2/\text{NDF}$ : 0.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4.424 \pm 0.779$   $\chi^2/\text{NDF}$ : 17.1/5

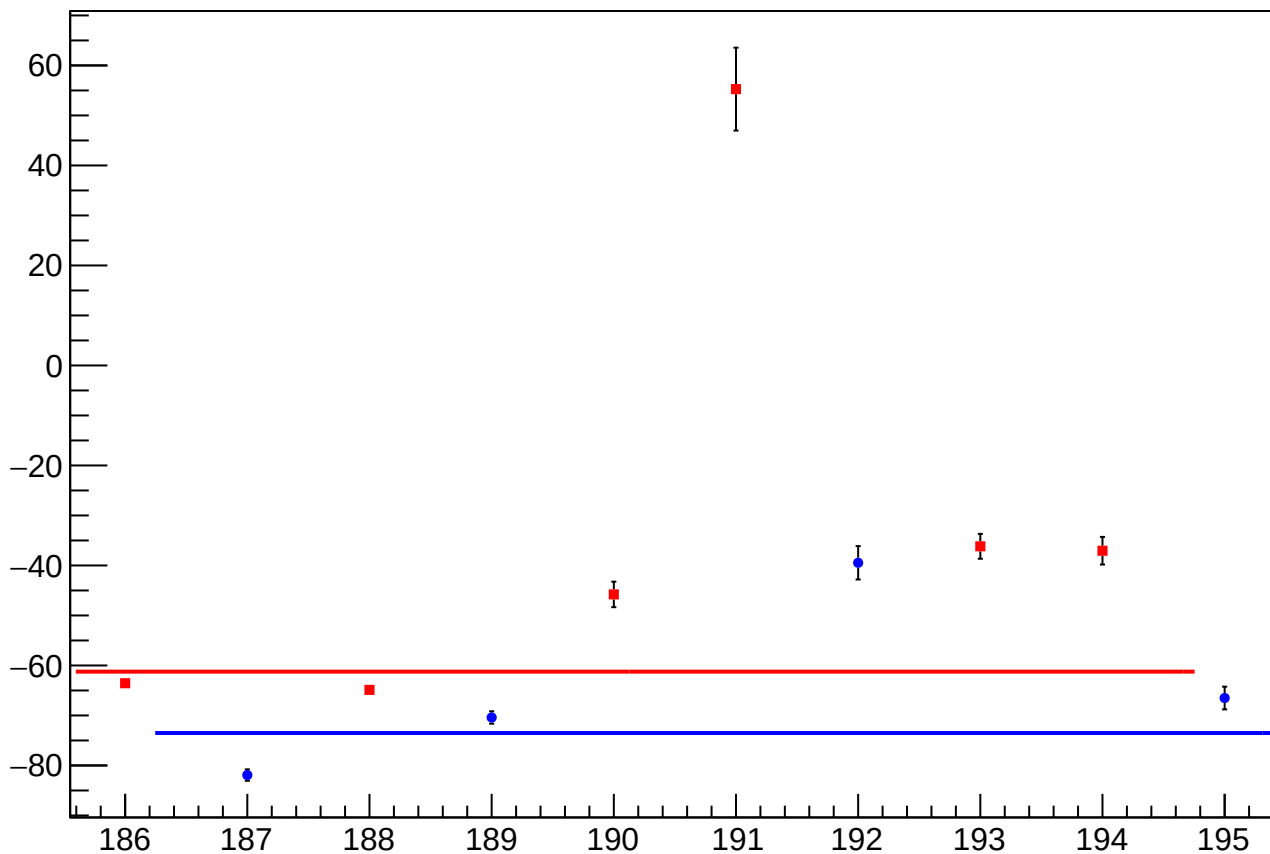
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-6.197 \pm 0.649$   $\chi^2/\text{NDF}$ : 34.6/9

- 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:  $-73.510 \pm 0.767$   $\chi^2/\text{NDF}$ : 173.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-61.233 \pm 0.481$   $\chi^2/\text{NDF}$ : 446.9/5

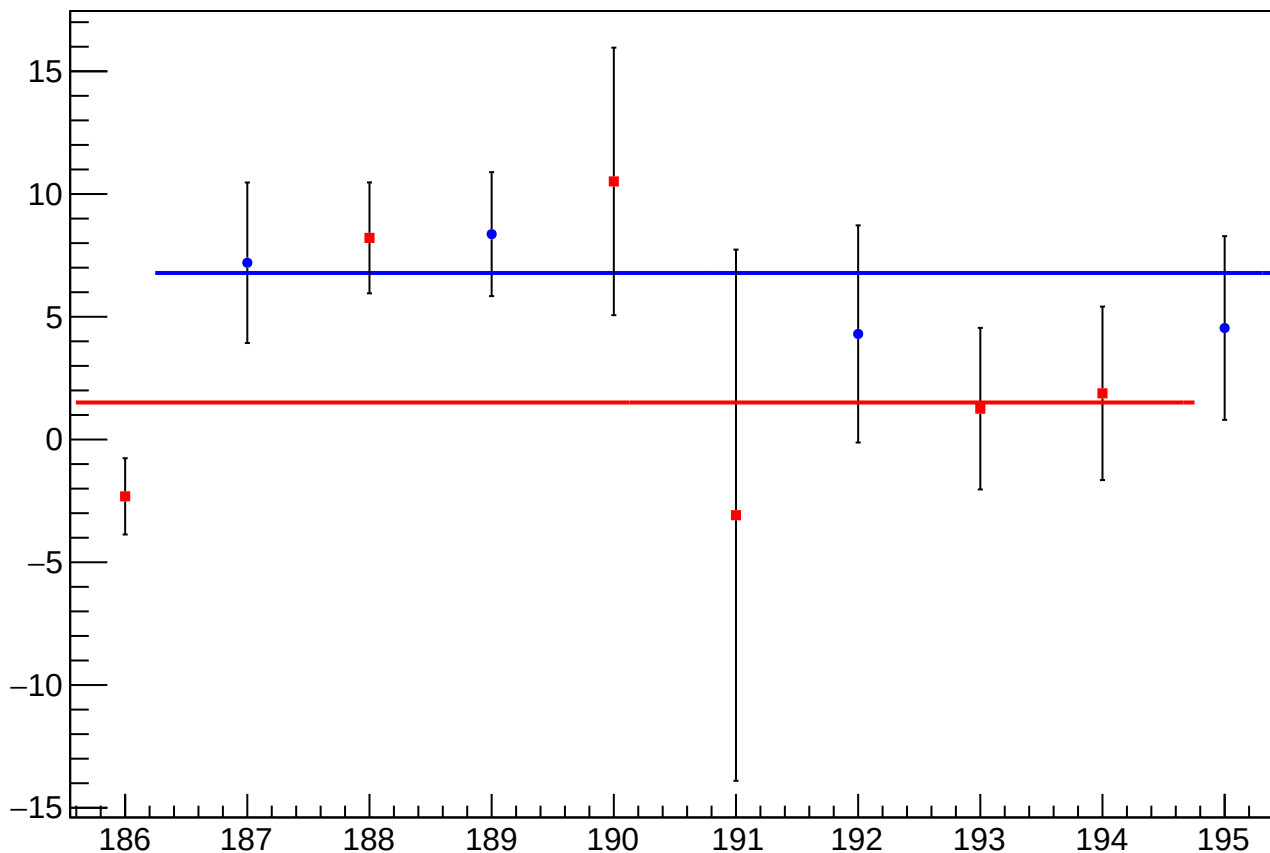
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-64.701 \pm 0.408$   $\chi^2/\text{NDF}$ : 804.3/9

- 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: 6.785 $\pm$ 1.637  $\chi^2$ /NDF: 1.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.509 $\pm$ 1.101  $\chi^2$ /NDF: 17.8/5

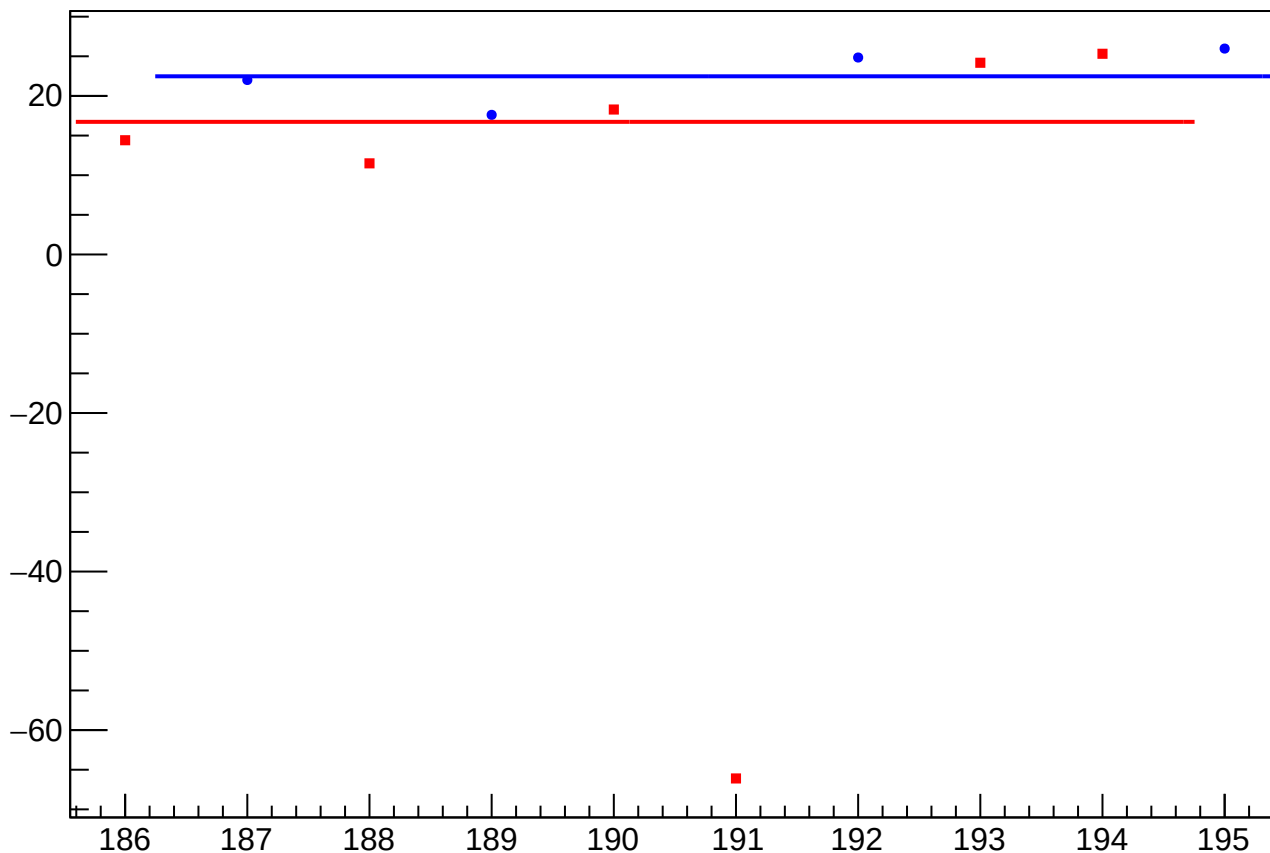
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.152 $\pm$ 0.914  $\chi^2$ /NDF: 26.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 22.476+/-0.065  $\chi^2/\text{NDF}$ : 3074.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 16.731+/-0.050  $\chi^2/\text{NDF}$ : 93304.5/5

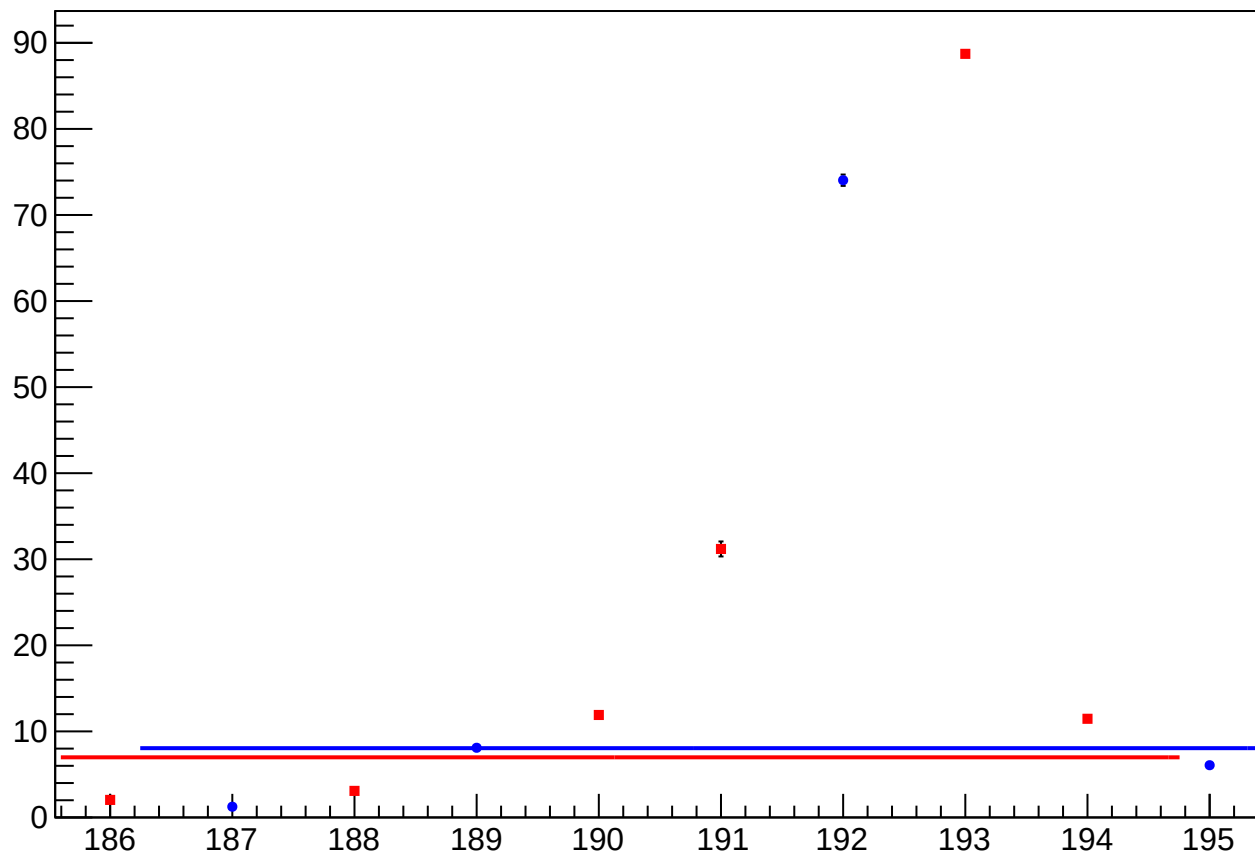
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 18.853+/-0.040  $\chi^2/\text{NDF}$ : 101277.1/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_bcm\_an\_ds3\_diff\_bpm1X\_slope vs Slug



Right In: 8.051 $\pm$ 0.125  $\chi^2$ /NDF: 10724.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6.986 $\pm$ 0.095  $\chi^2$ /NDF: 23975.0/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

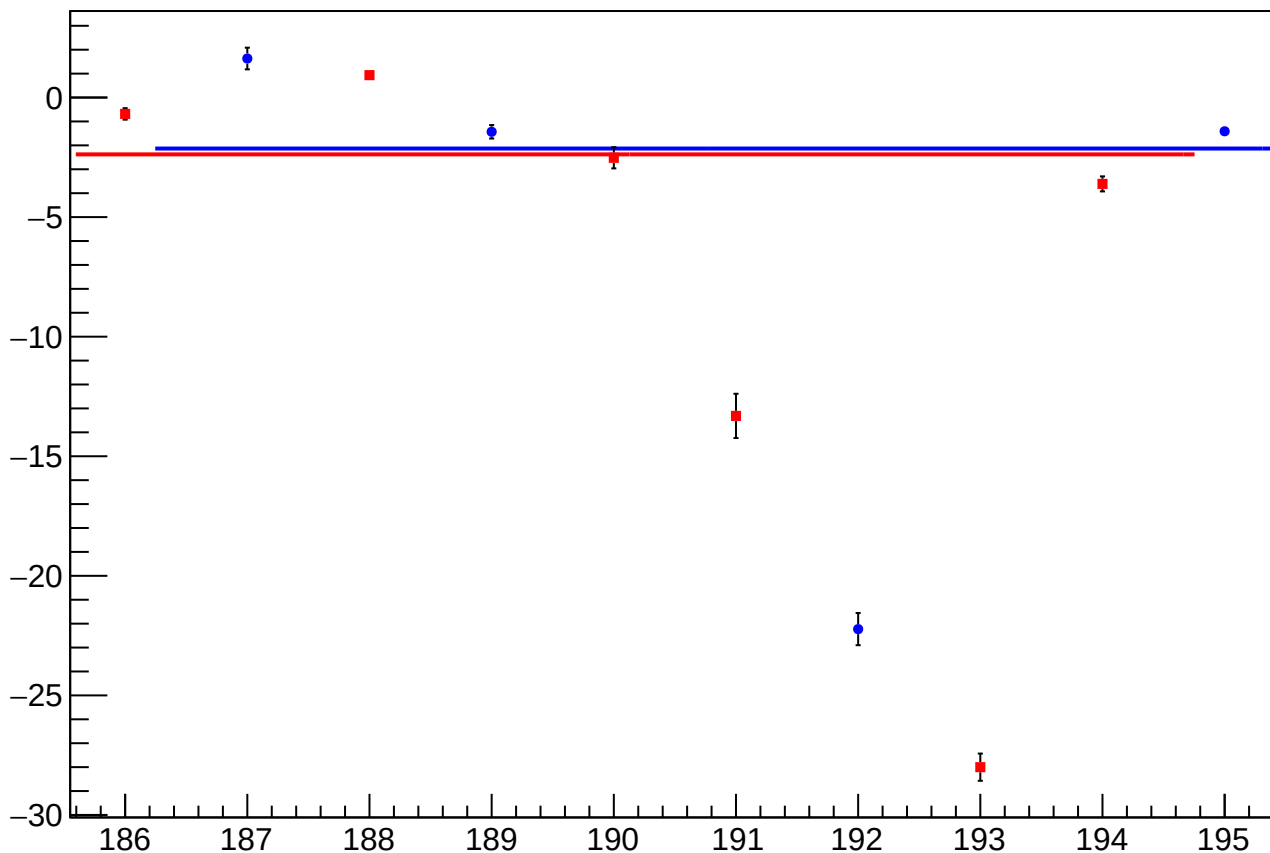
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.375 $\pm$ 0.075  $\chi^2$ /NDF: 34745.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug



Right In: -2.133+/-0.151  $\chi^2/\text{NDF}$ : 979.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.377+/-0.129  $\chi^2/\text{NDF}$ : 2479.9/5

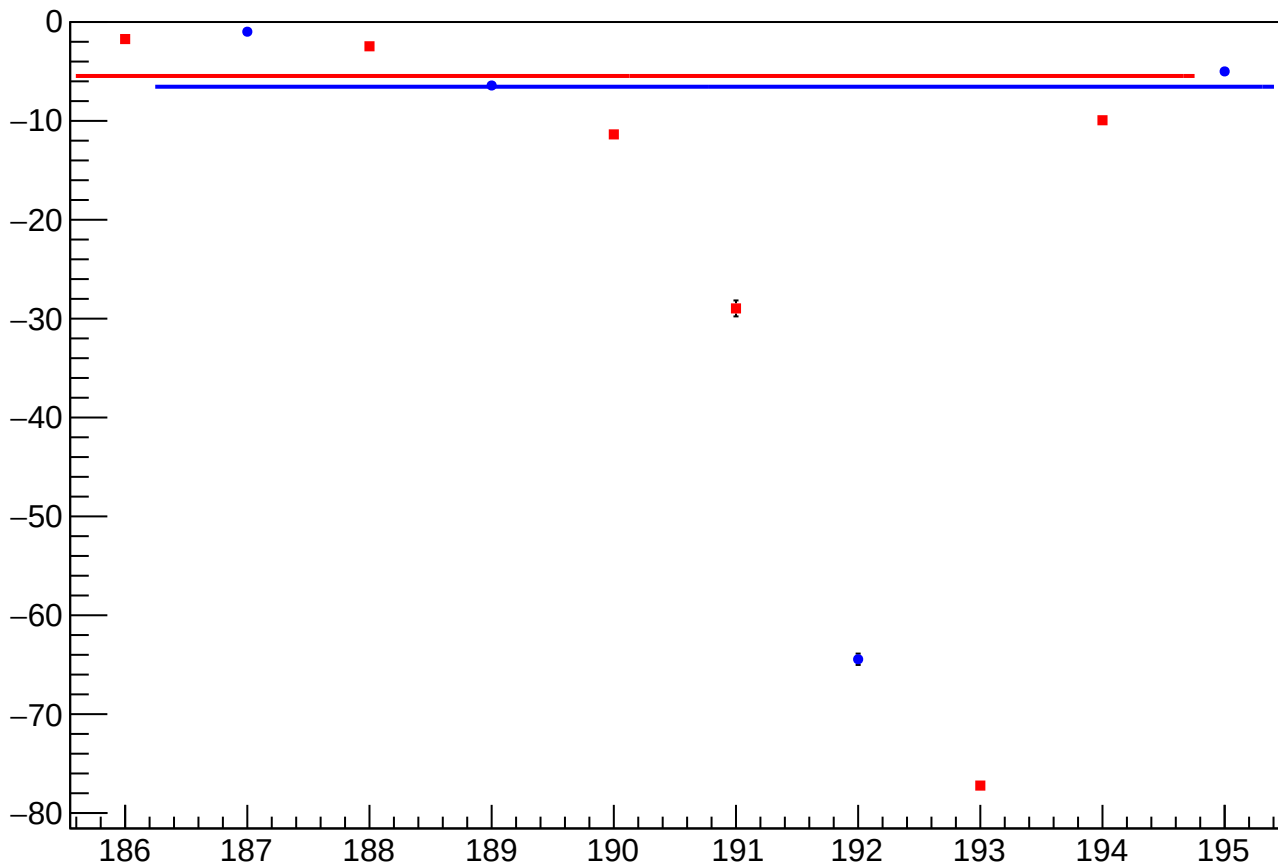
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.274+/-0.098  $\chi^2/\text{NDF}$ : 3460.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug



Right In:  $-6.544 \pm 0.106$   $\chi^2/\text{NDF}$ : 10850.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-5.457 \pm 0.078$   $\chi^2/\text{NDF}$ : 24430.3/5

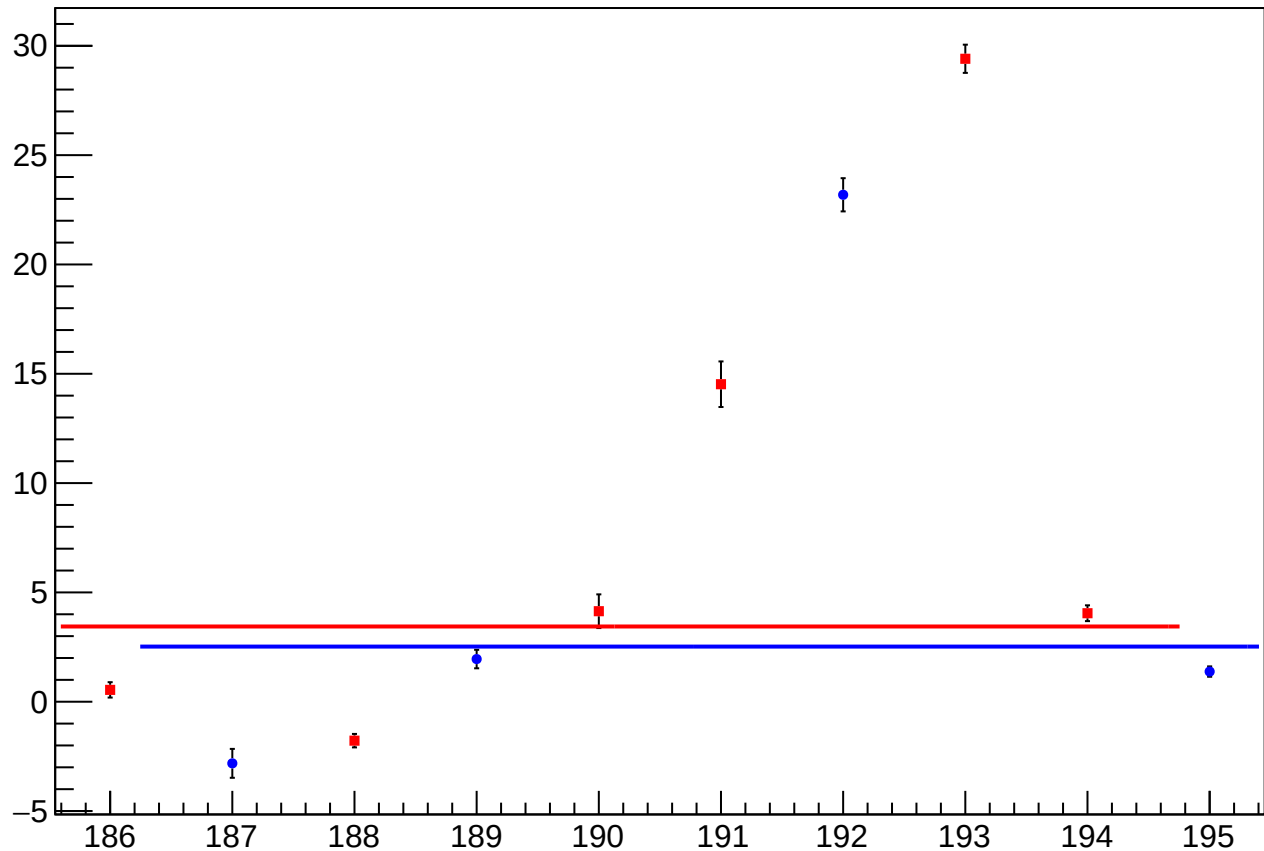
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-5.836 \pm 0.063$   $\chi^2/\text{NDF}$ : 35348.5/9

- 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: 2.522+/-0.191  $\chi^2/\text{NDF}$ : 830.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.441+/-0.179  $\chi^2/\text{NDF}$ : 2091.6/5

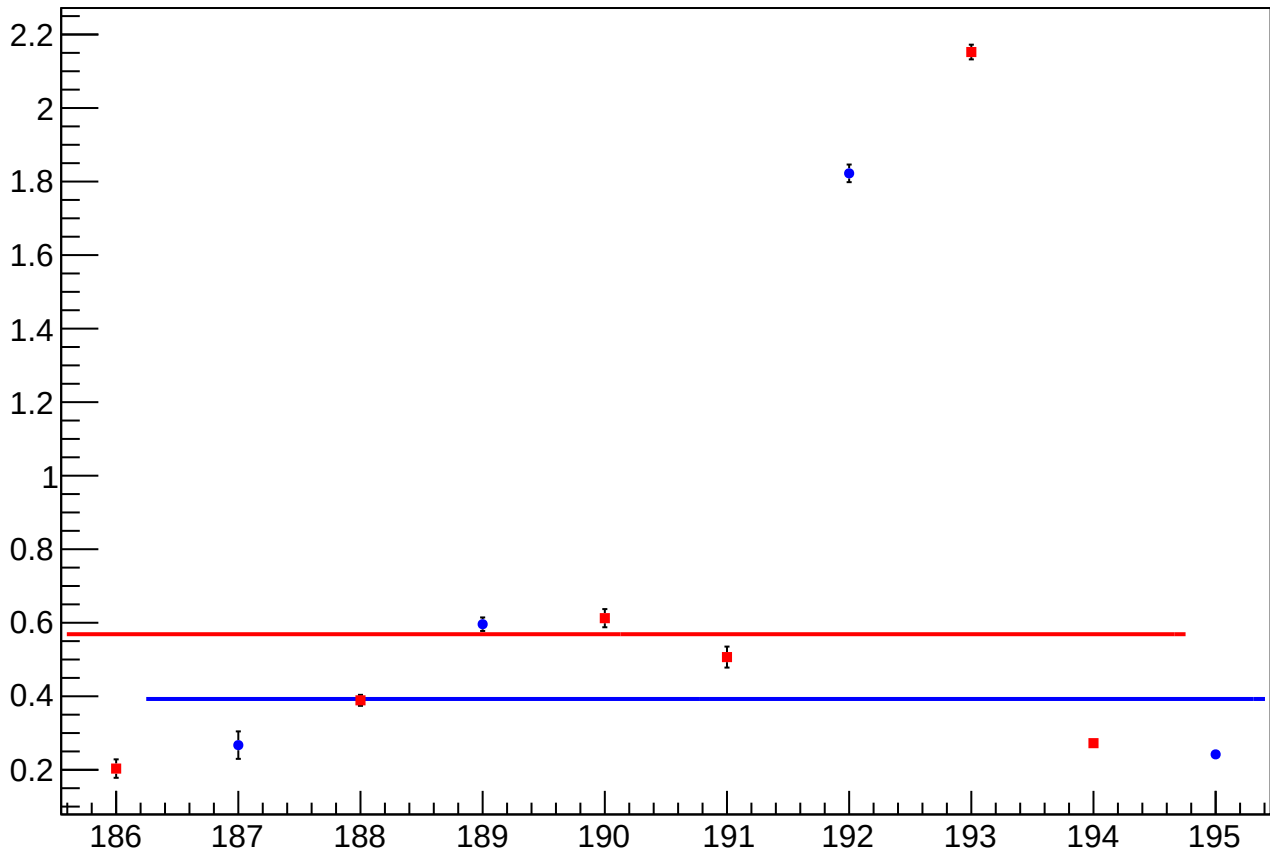
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.012+/-0.130  $\chi^2/\text{NDF}$ : 2934.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug



Right In: 0.393+/-0.006  $\chi^2/\text{NDF}$ : 4145.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.569+/-0.007  $\chi^2/\text{NDF}$ : 7381.4/5

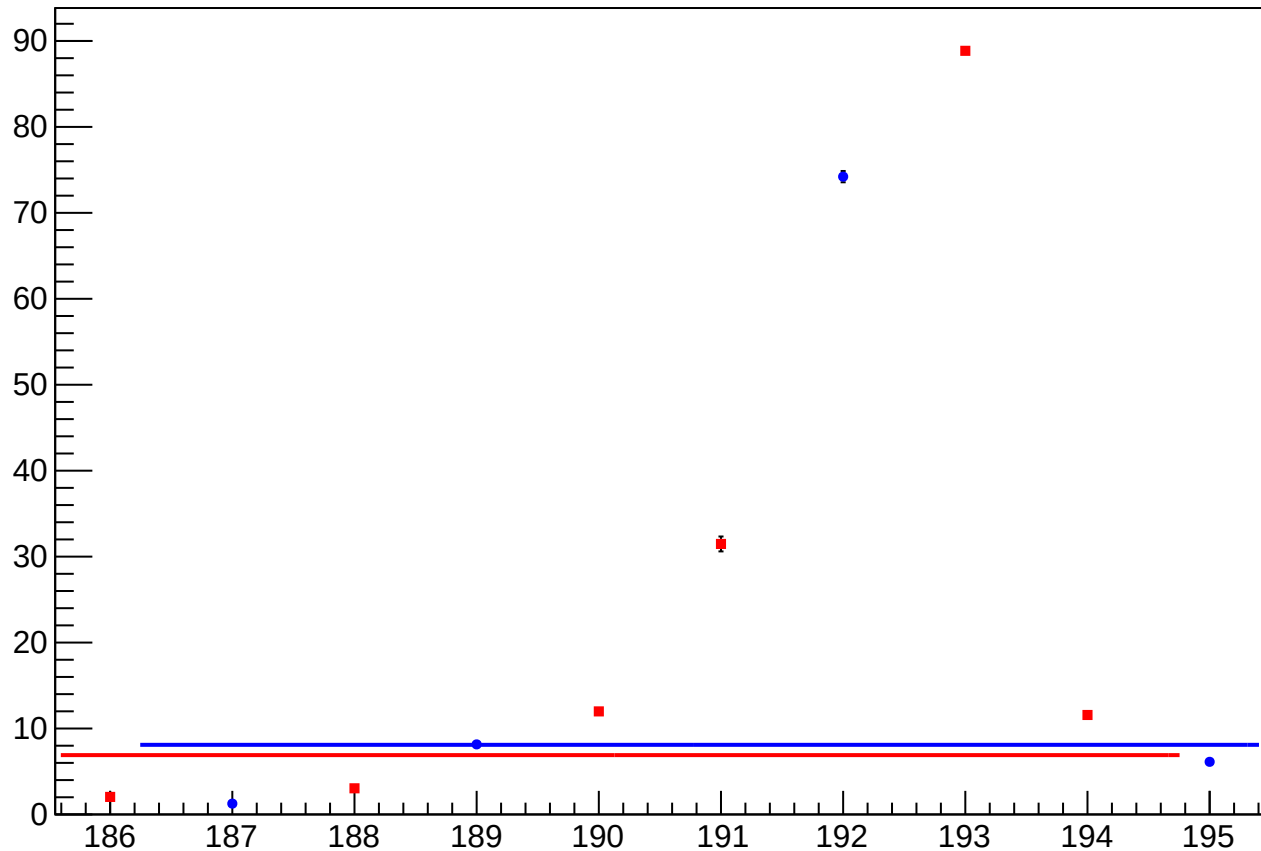
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.471+/-0.005  $\chi^2/\text{NDF}$ : 11874.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_ds\_diff\_bpm1X\_slope vs Slug



Right In: 8.101+/-0.124  $\chi^2/\text{NDF}$ : 10848.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.905+/-0.093  $\chi^2/\text{NDF}$ : 24350.3/5

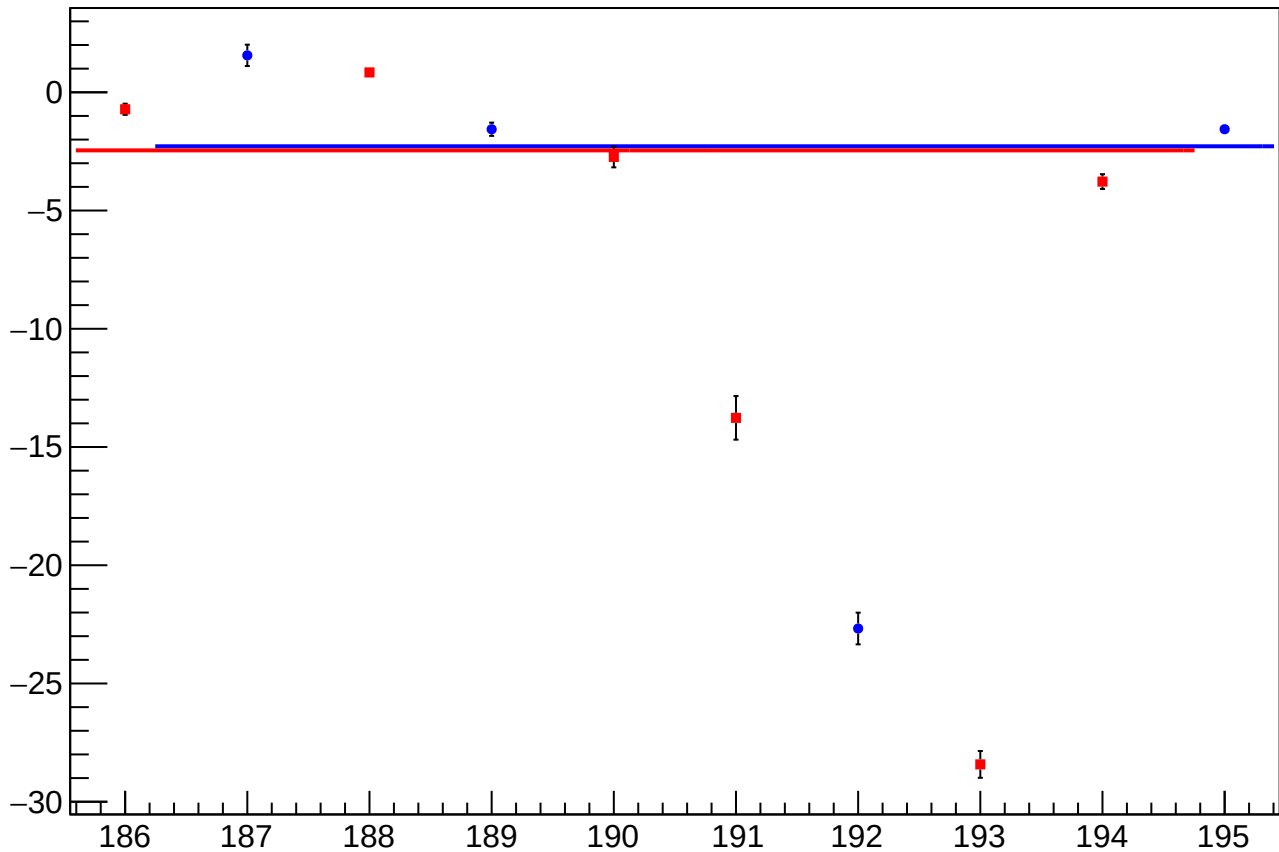
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.337+/-0.075  $\chi^2/\text{NDF}$ : 35258.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug



Right In: -2.283+/-0.151  $\chi^2/\text{NDF}$ : 1016.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.456+/-0.128  $\chi^2/\text{NDF}$ : 2576.8/5

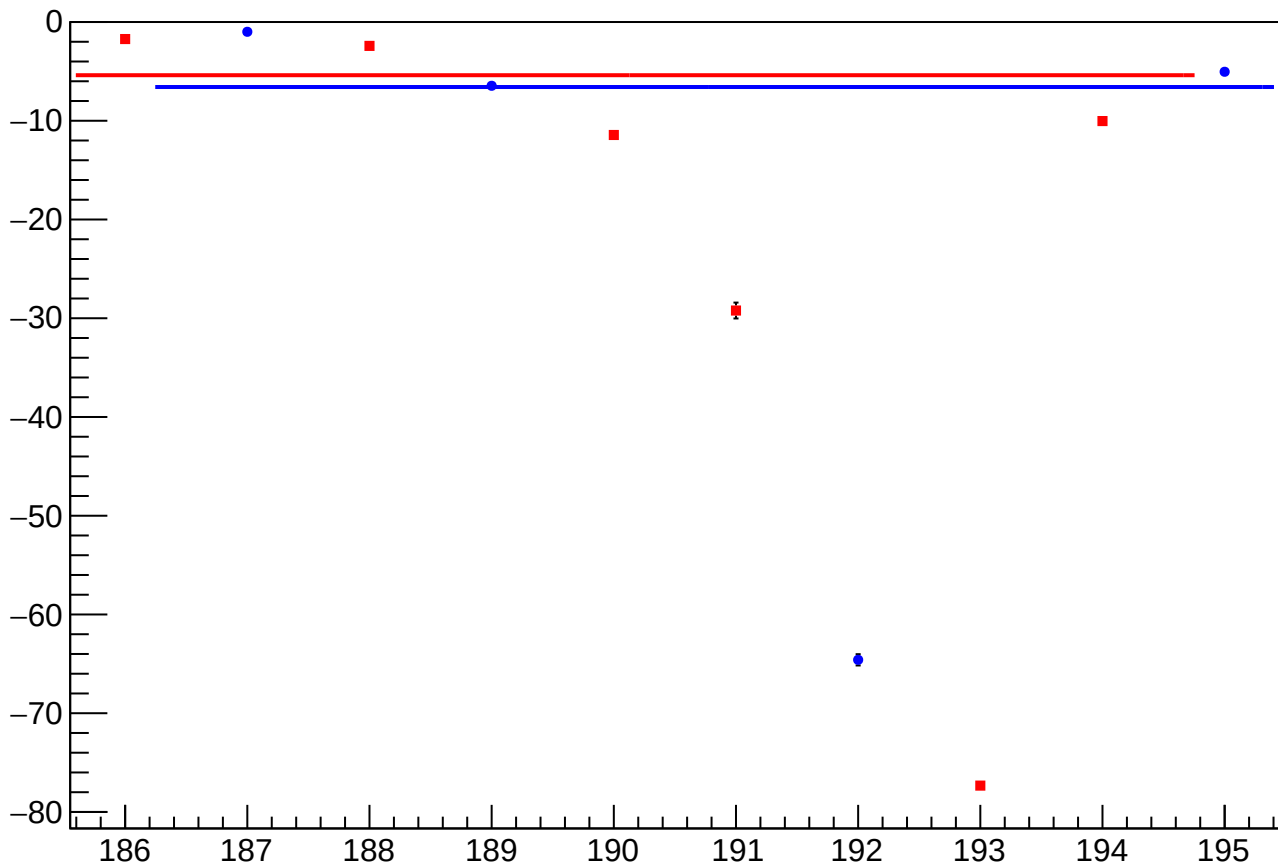
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.384+/-0.098  $\chi^2/\text{NDF}$ : 3594.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug



Right In:  $-6.582 \pm 0.106$   $\chi^2/\text{NDF}: 10973.9/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.387 \pm 0.077$   $\chi^2/\text{NDF}: 24804.0/5$

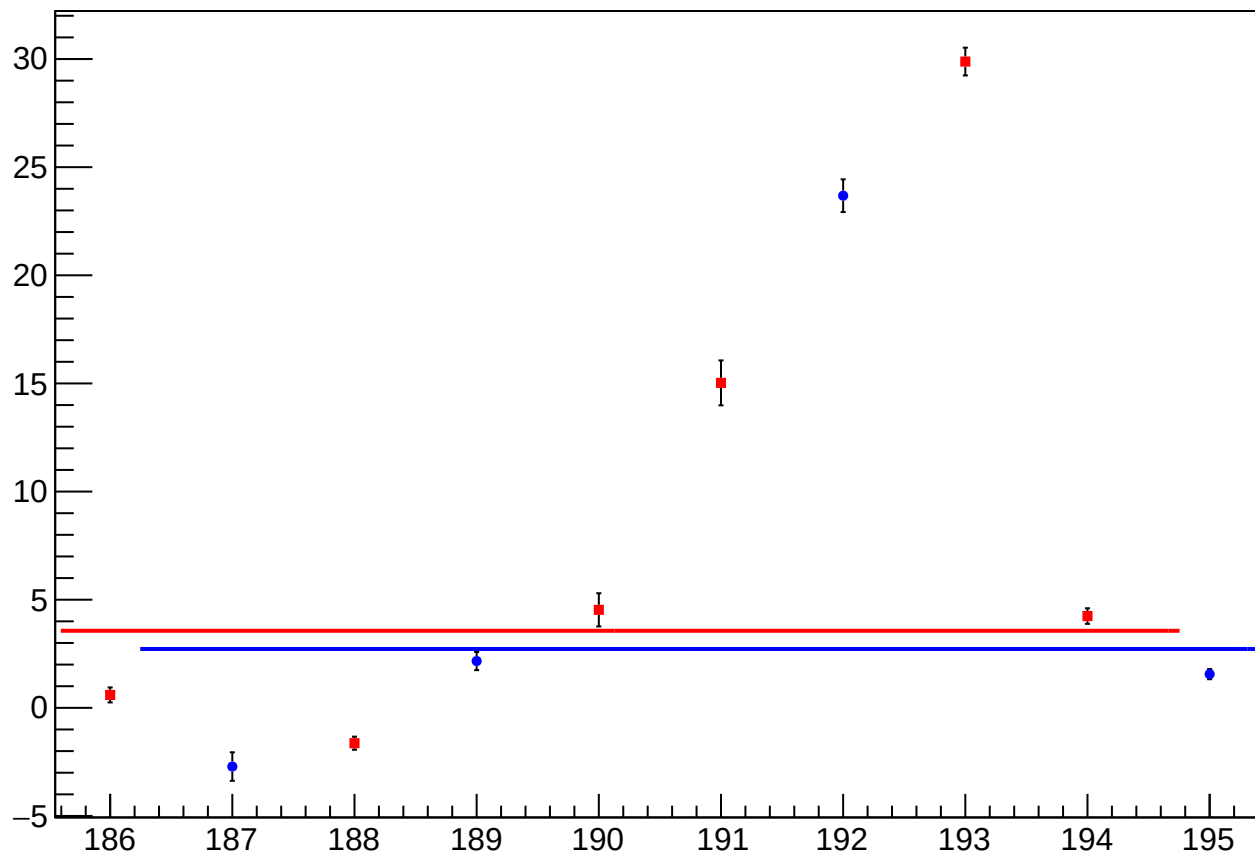
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.798 \pm 0.062$   $\chi^2/\text{NDF}: 35861.2/9$

- 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: 2.722 $\pm$ 0.190  $\chi^2$ /NDF: 861.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.564 $\pm$ 0.177  $\chi^2$ /NDF: 2173.8/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

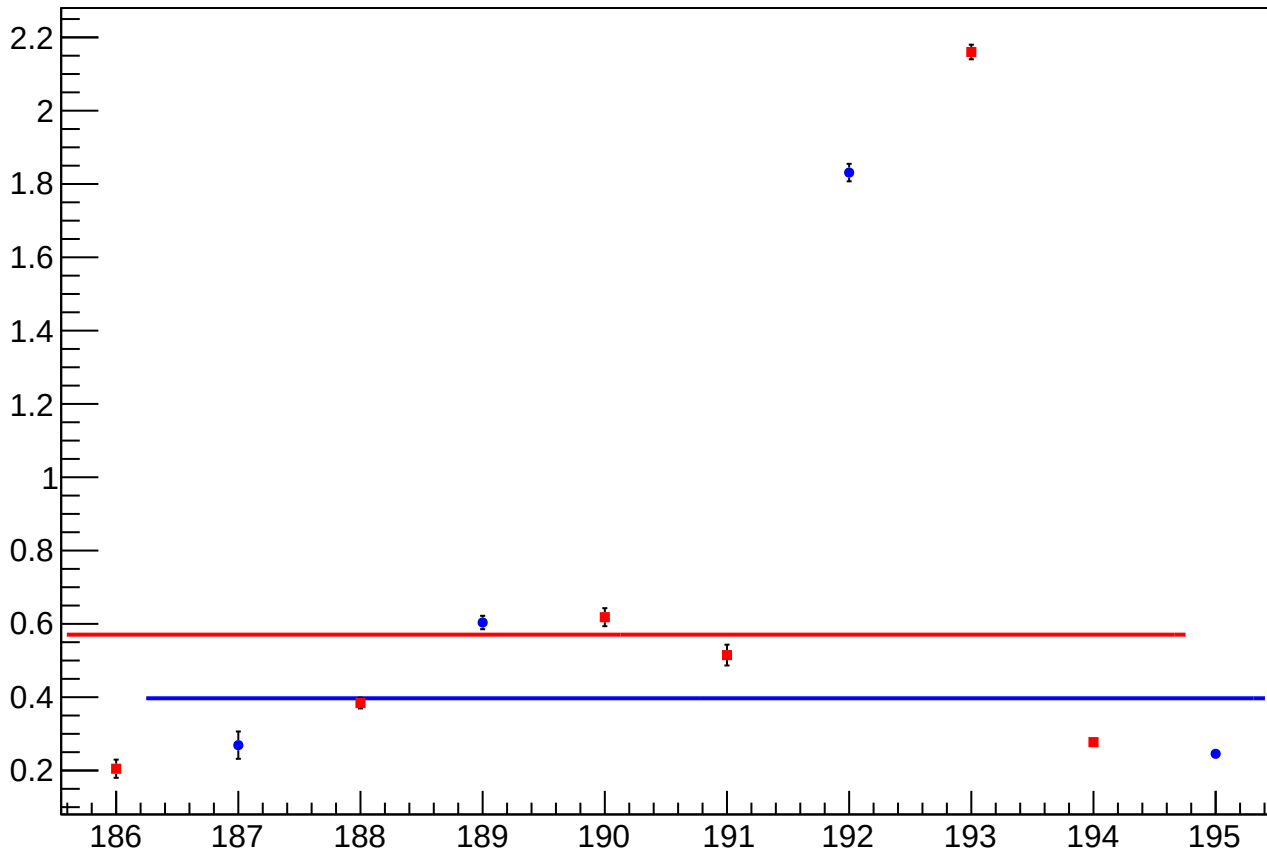
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.173 $\pm$ 0.129  $\chi^2$ /NDF: 3045.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug



Right In: 0.397 $\pm$ 0.006  $\chi^2$ /NDF: 4209.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.571 $\pm$ 0.007  $\chi^2$ /NDF: 7497.8/5

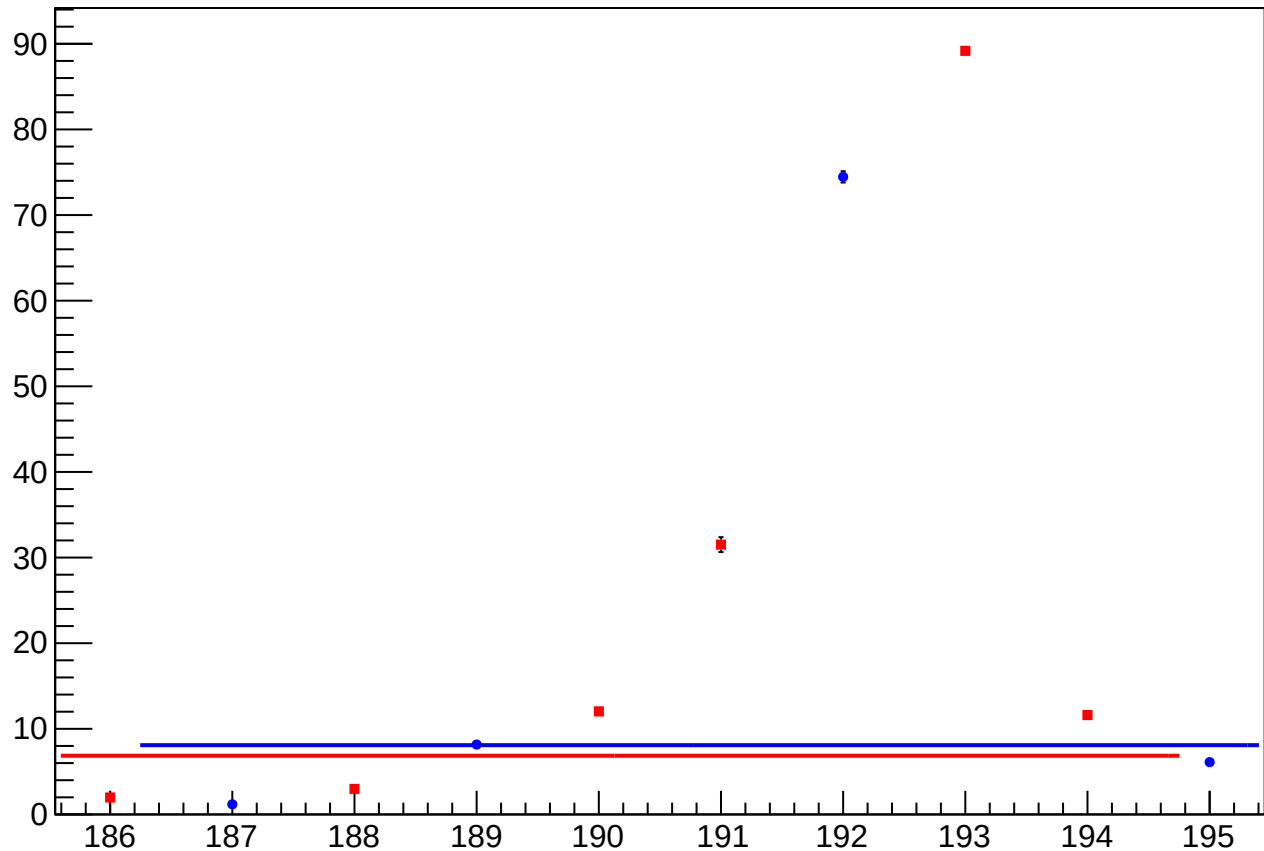
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.474 $\pm$ 0.005  $\chi^2$ /NDF: 12048.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm1X\_slope vs Slug



Right In: 8.094 $\pm$ 0.125  $\chi^2$ /NDF: 10862.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.859 $\pm$ 0.094  $\chi^2$ /NDF: 24363.9/5

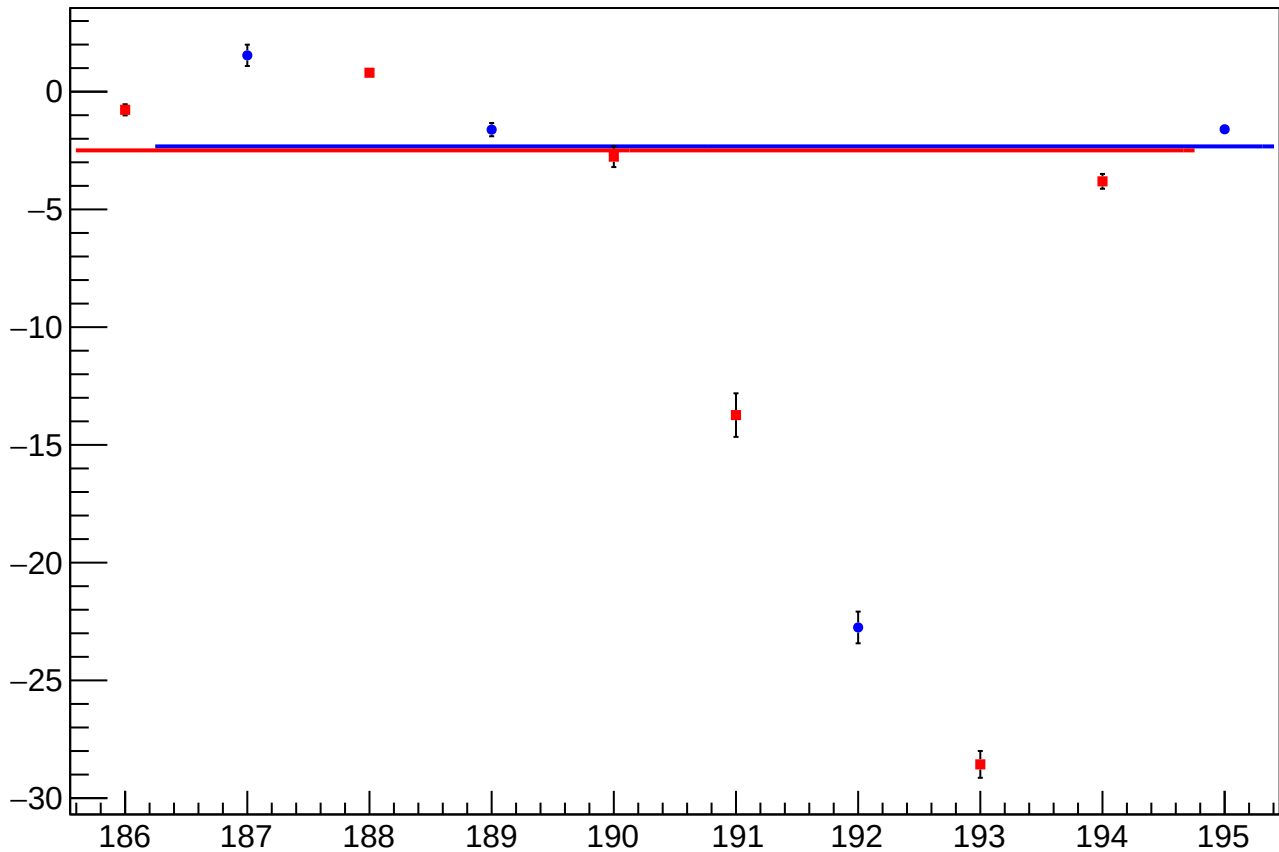
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.303 $\pm$ 0.075  $\chi^2$ /NDF: 35289.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug



Right In: -2.325+/-0.152  $\chi^2/\text{NDF}$ : 1013.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.493+/-0.128  $\chi^2/\text{NDF}$ : 2569.0/5

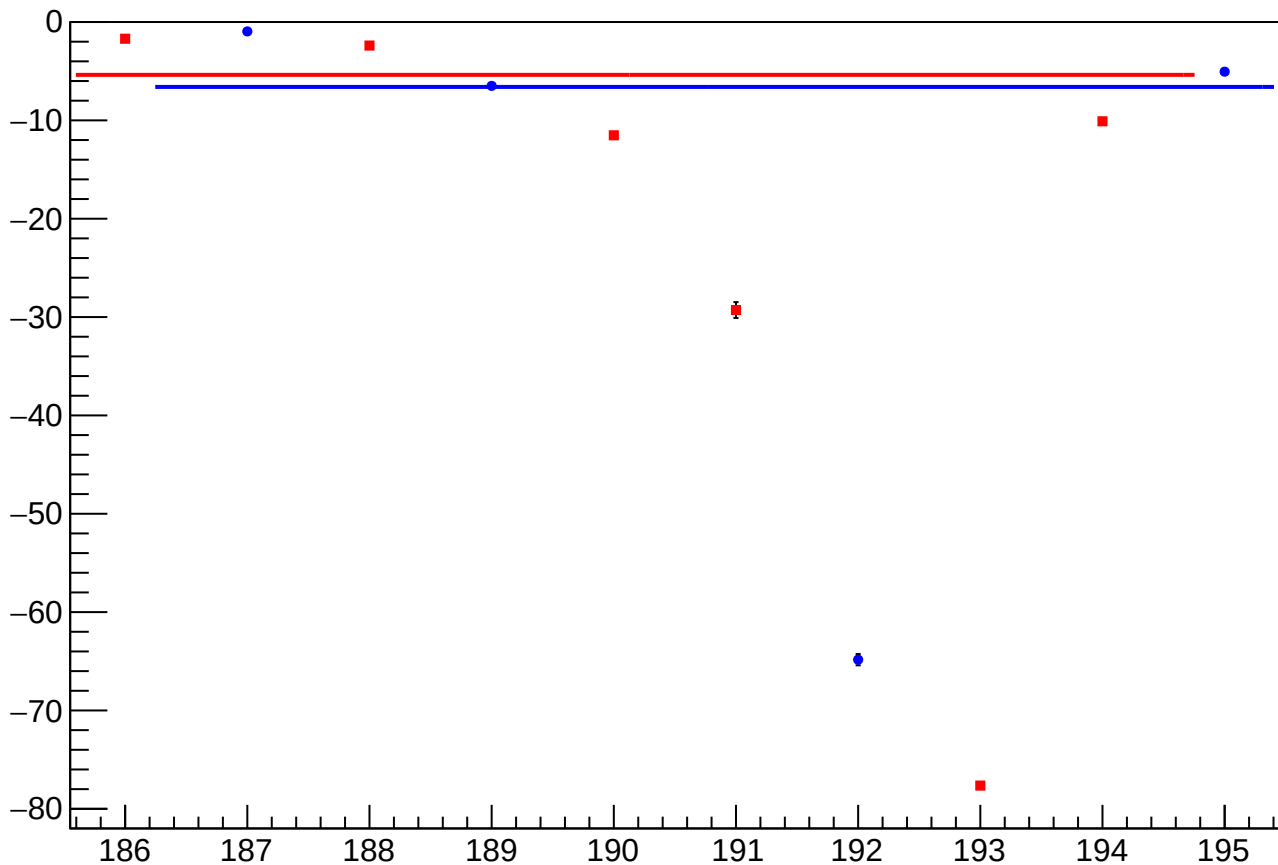
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.423+/-0.098  $\chi^2/\text{NDF}$ : 3583.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug



Right In:  $-6.600 \pm 0.107$   $\chi^2/\text{NDF}: 10989.1/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.372 \pm 0.077$   $\chi^2/\text{NDF}: 24818.8/5$

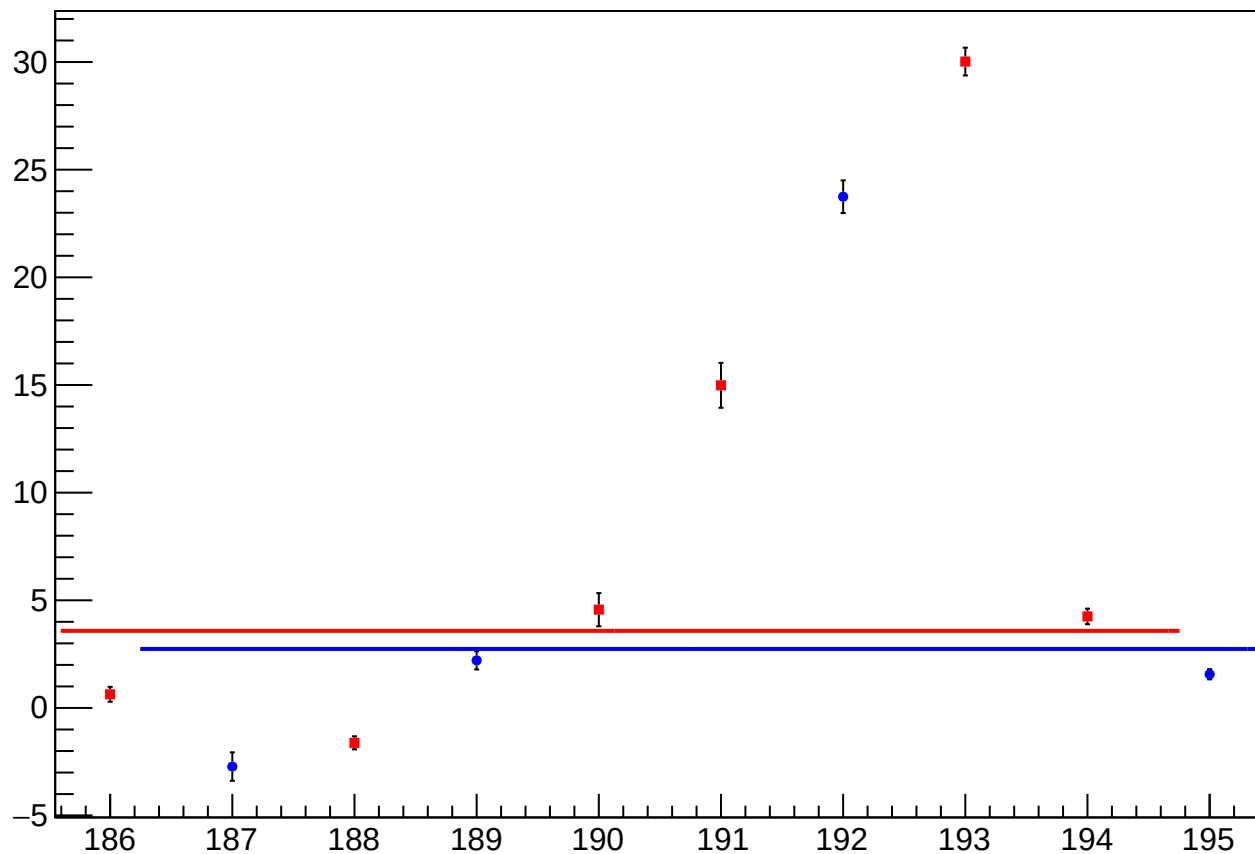
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.793 \pm 0.062$   $\chi^2/\text{NDF}: 35895.2/9$

- 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: 2.741+/-0.191  $\chi^2/\text{NDF}$ : 859.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.582+/-0.177  $\chi^2/\text{NDF}$ : 2168.8/5

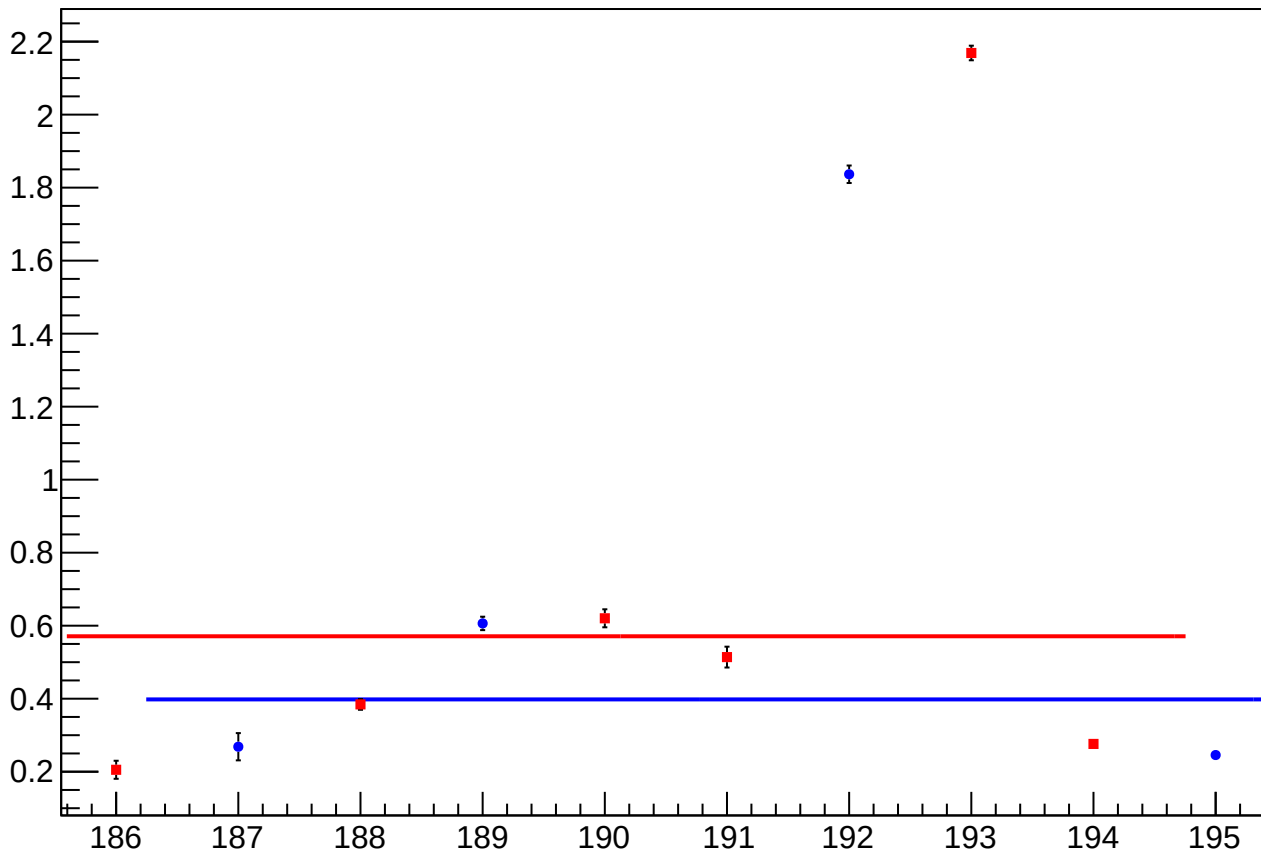
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.193+/-0.130  $\chi^2/\text{NDF}$ : 3038.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug



Right In: 0.398 $\pm$ 0.006  $\chi^2$ /NDF: 4208.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.571 $\pm$ 0.007  $\chi^2$ /NDF: 7507.7/5

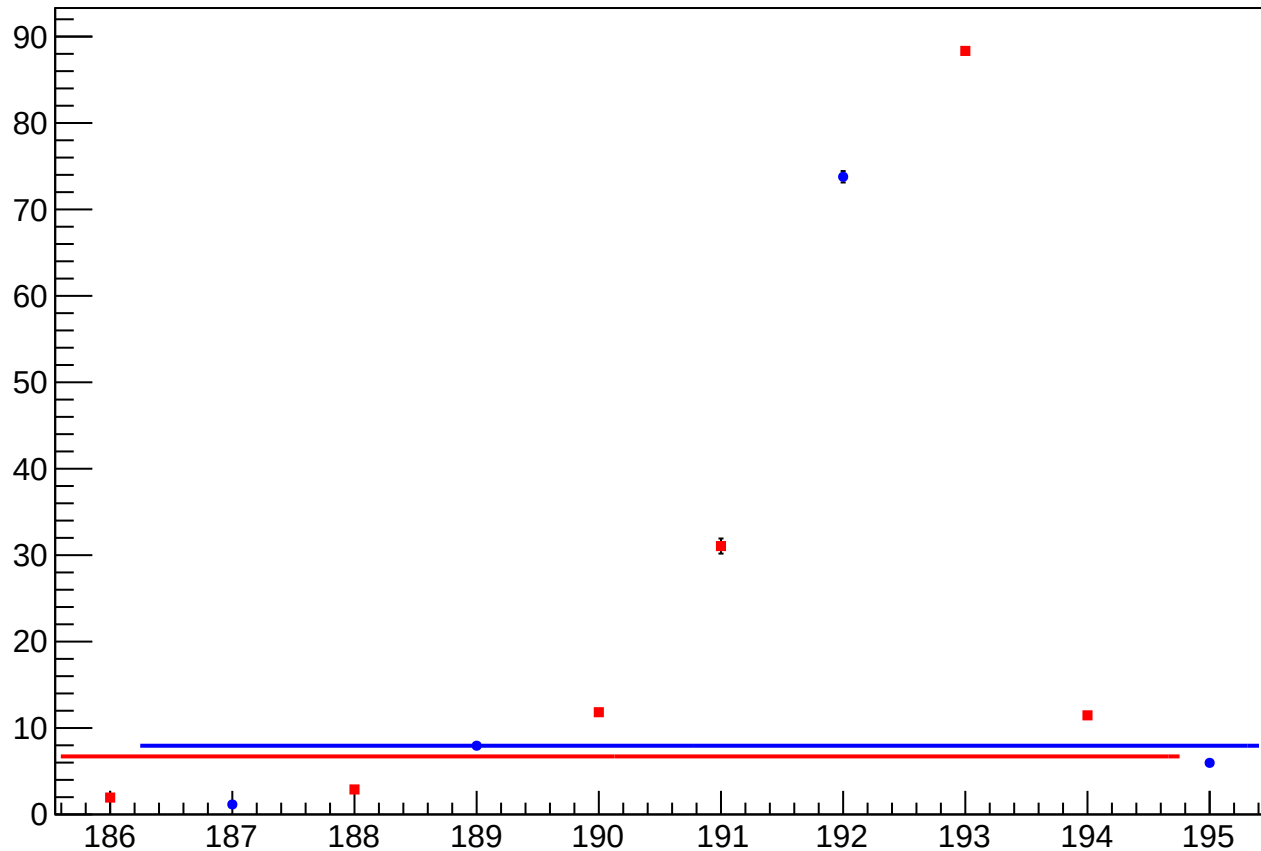
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.475 $\pm$ 0.005  $\chi^2$ /NDF: 12052.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm1X\_slope vs Slug



Right In: 7.951+/-0.125  $\chi^2/\text{NDF}$ : 10621.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.715+/-0.093  $\chi^2/\text{NDF}$ : 23875.3/5

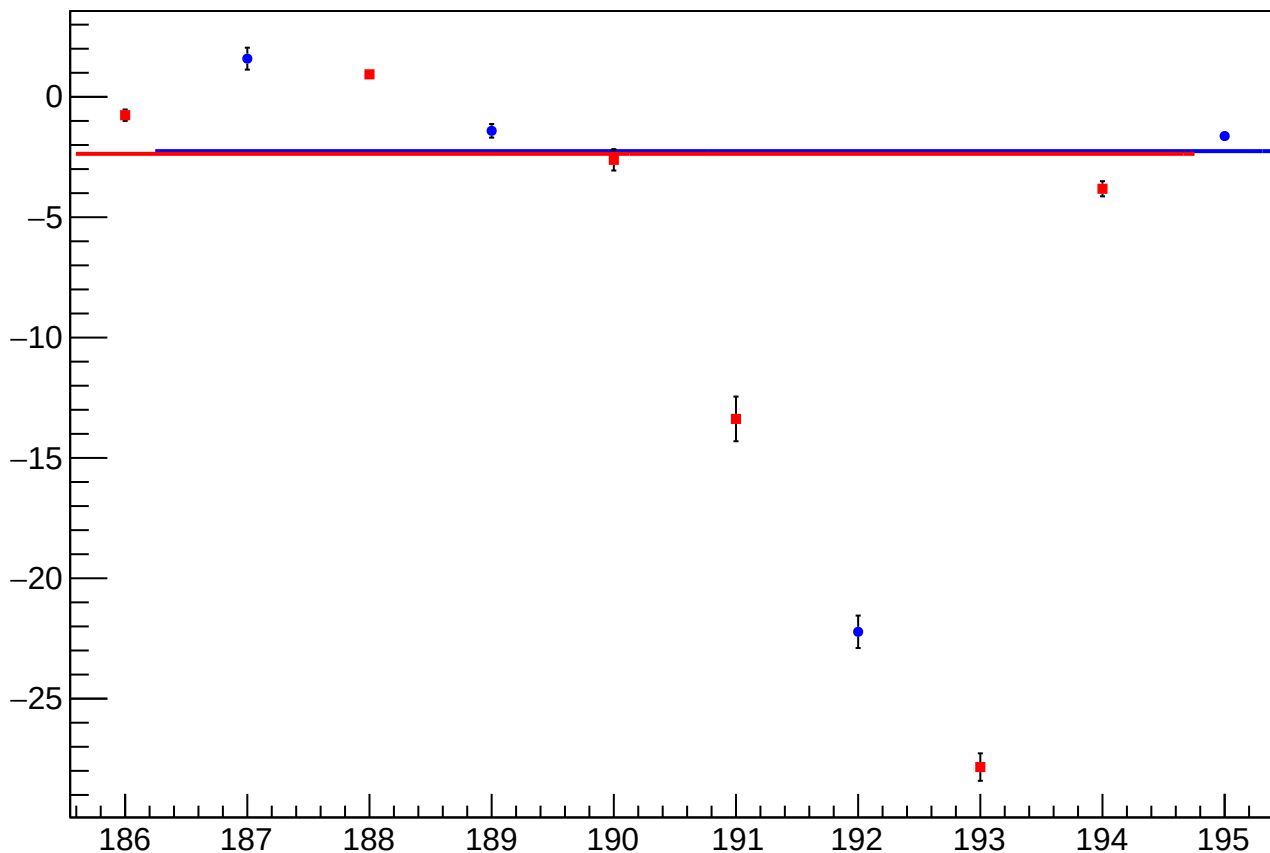
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.157+/-0.075  $\chi^2/\text{NDF}$ : 34558.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug



Right In: -2.254+/-0.152  $\chi^2$ /NDF: 965.8/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.367+/-0.128  $\chi^2$ /NDF: 2463.5/5

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

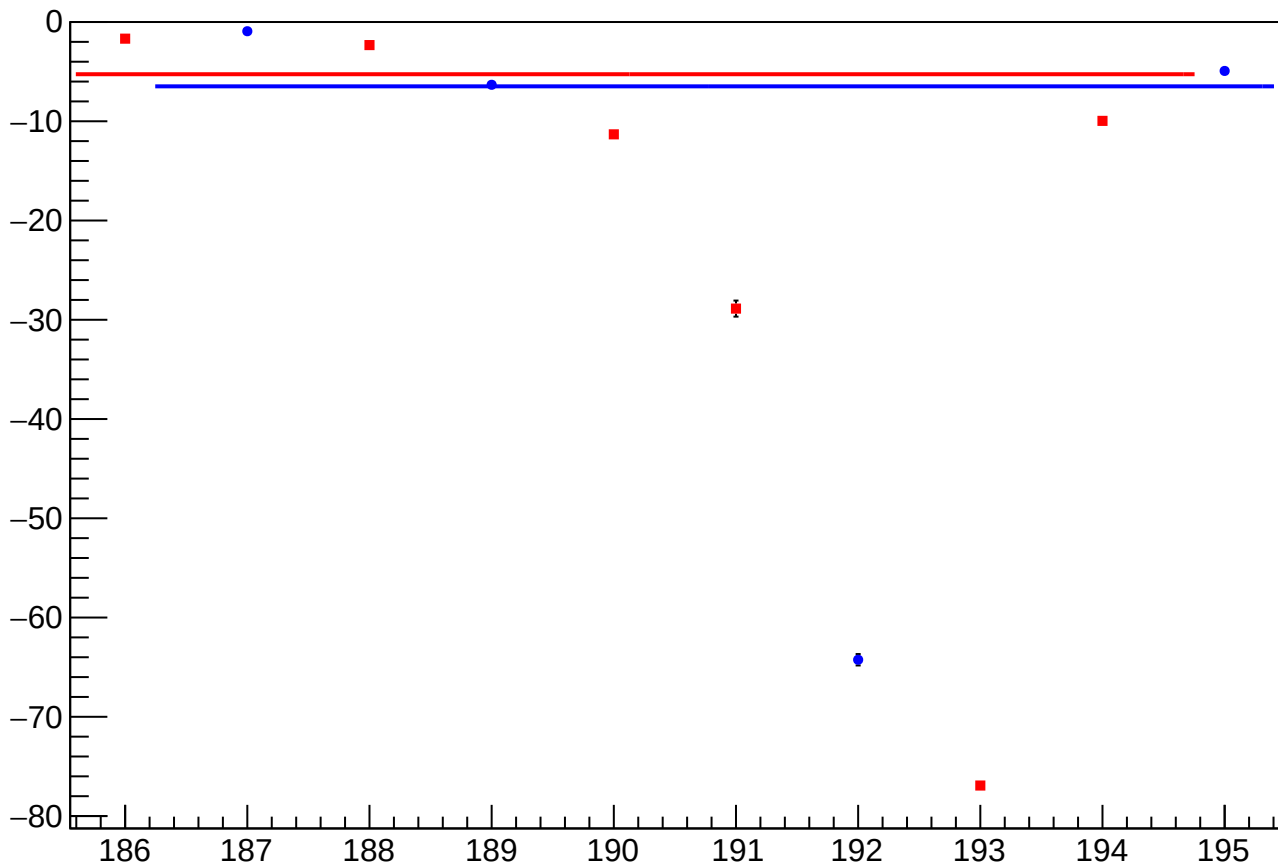
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -2.320+/-0.098  $\chi^2$ /NDF: 3429.5/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug



Right In: -6.481+/-0.107  $\chi^2/\text{NDF}$ : 10747.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.260+/-0.077  $\chi^2/\text{NDF}$ : 24320.5/5

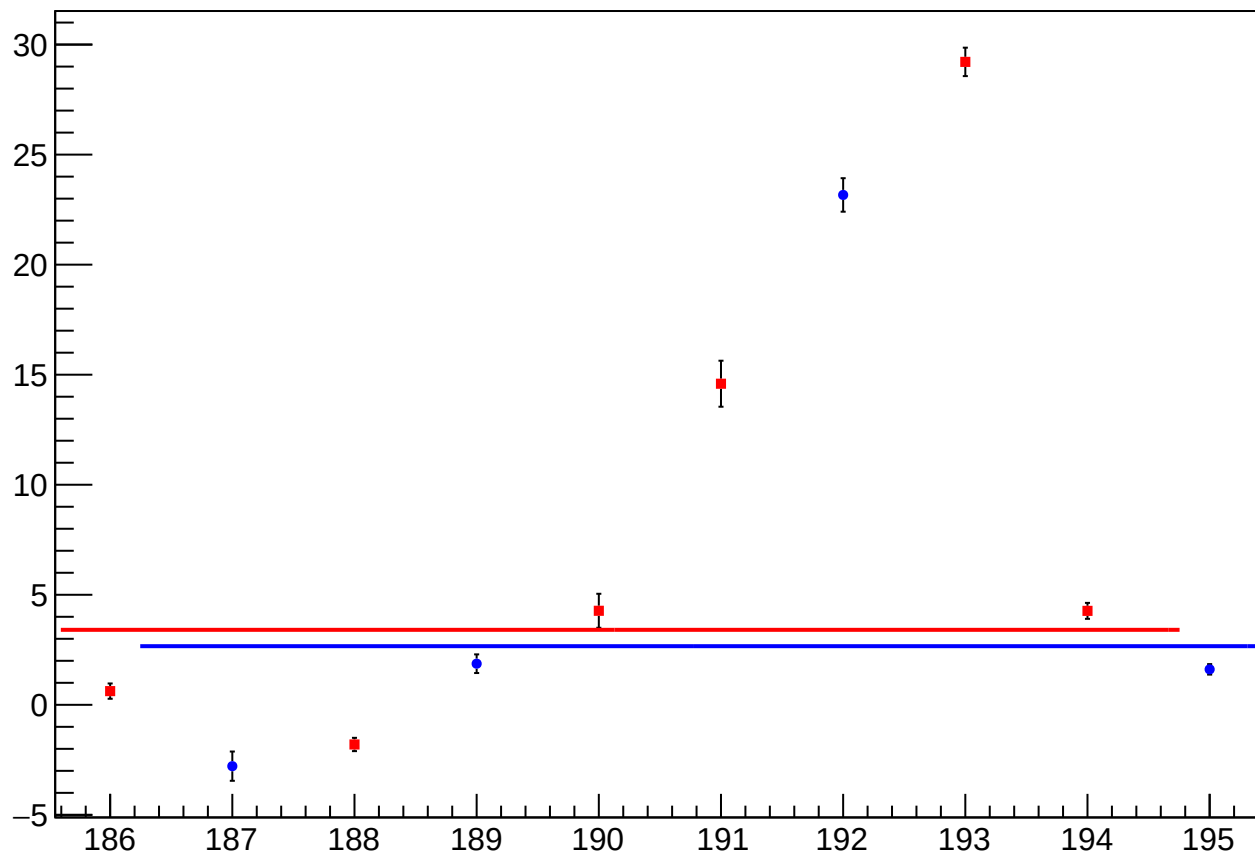
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.676+/-0.062  $\chi^2/\text{NDF}$ : 35154.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug



Right In: 2.665 $\pm$ 0.192  $\chi^2$ /NDF: 815.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.408 $\pm$ 0.177  $\chi^2$ /NDF: 2078.8/5

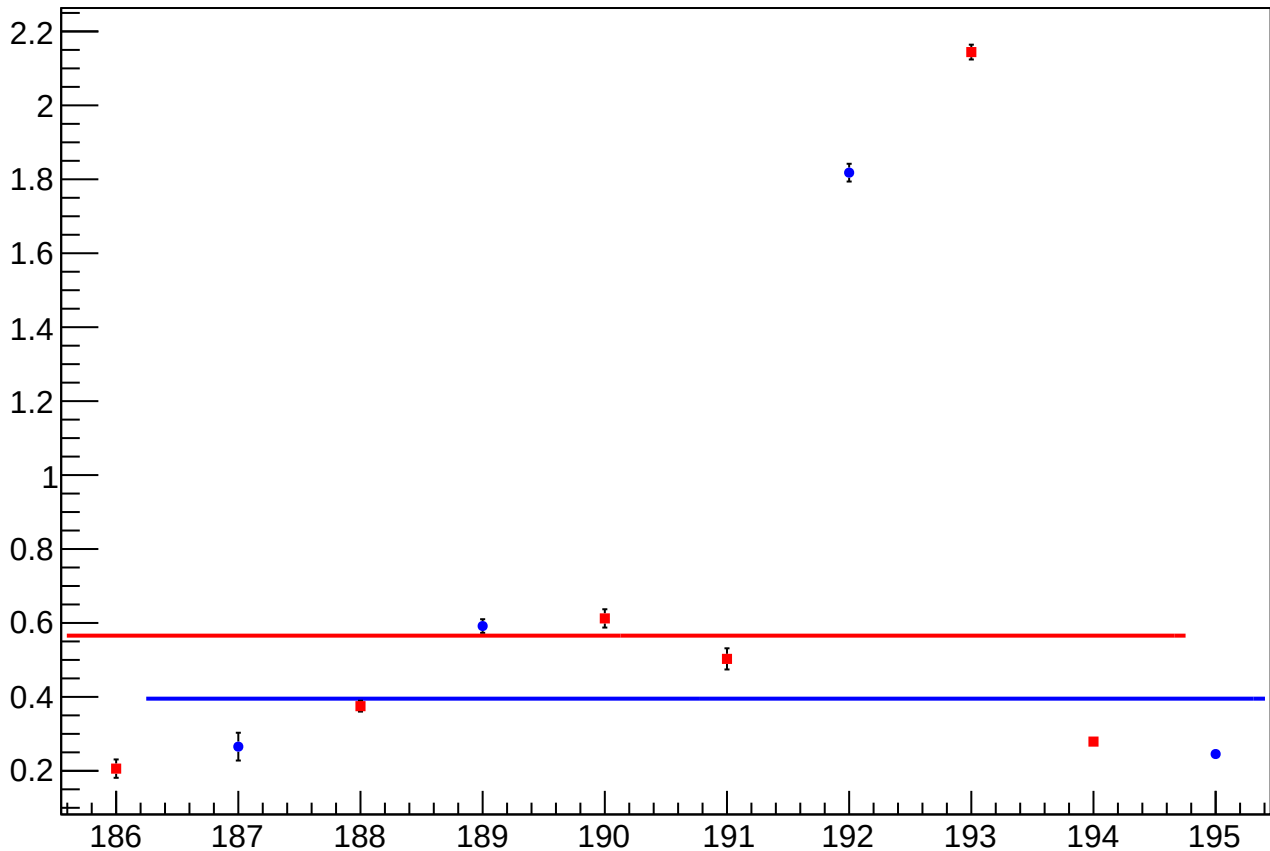
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.065 $\pm$ 0.130  $\chi^2$ /NDF: 2902.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug



Right In: 0.395 $\pm$ 0.006  $\chi^2$ /NDF: 4077.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.566 $\pm$ 0.007  $\chi^2$ /NDF: 7295.1/5

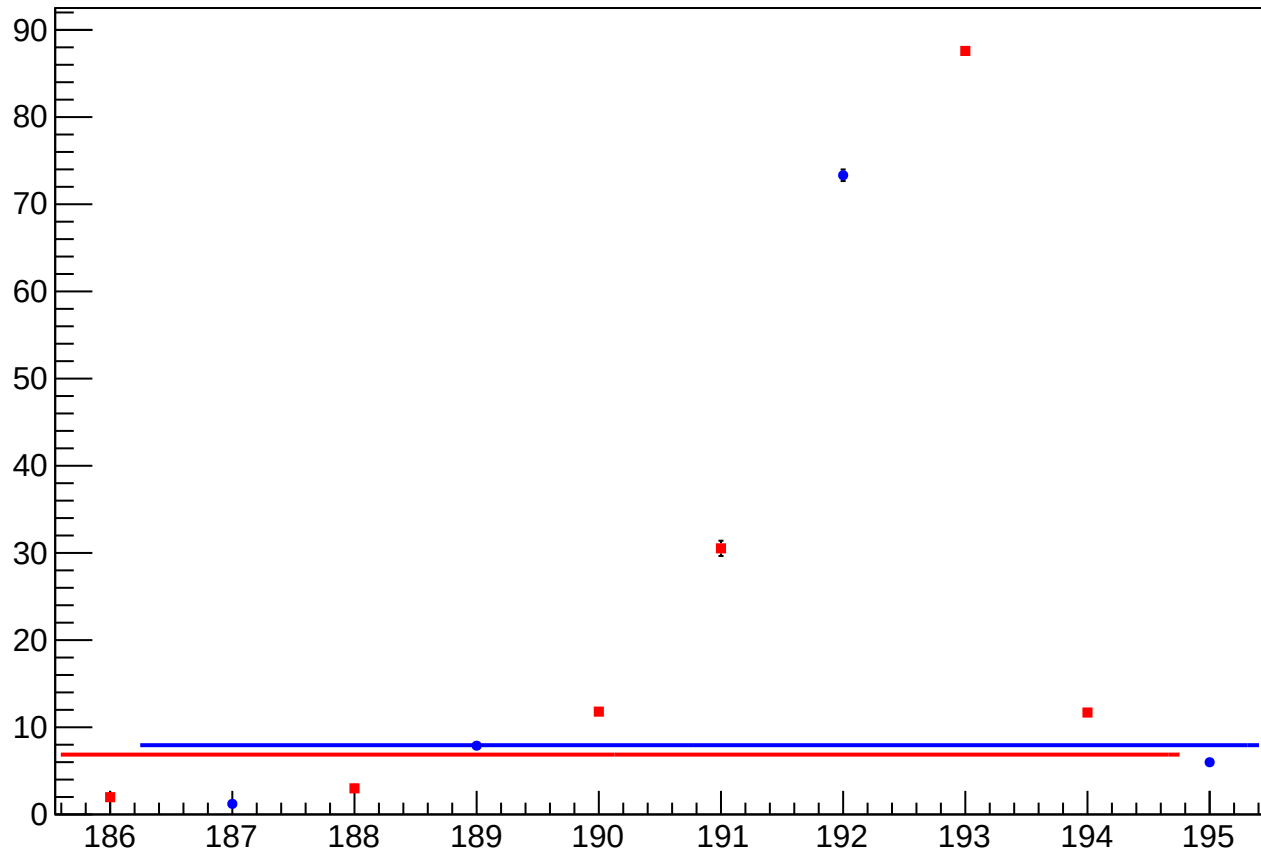
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.471 $\pm$ 0.005  $\chi^2$ /NDF: 11697.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm1X\_slope vs Slug



Right In: 7.945 $\pm$ 0.126  $\chi^2$ /NDF: 10370.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.866 $\pm$ 0.095  $\chi^2$ /NDF: 23273.8/5

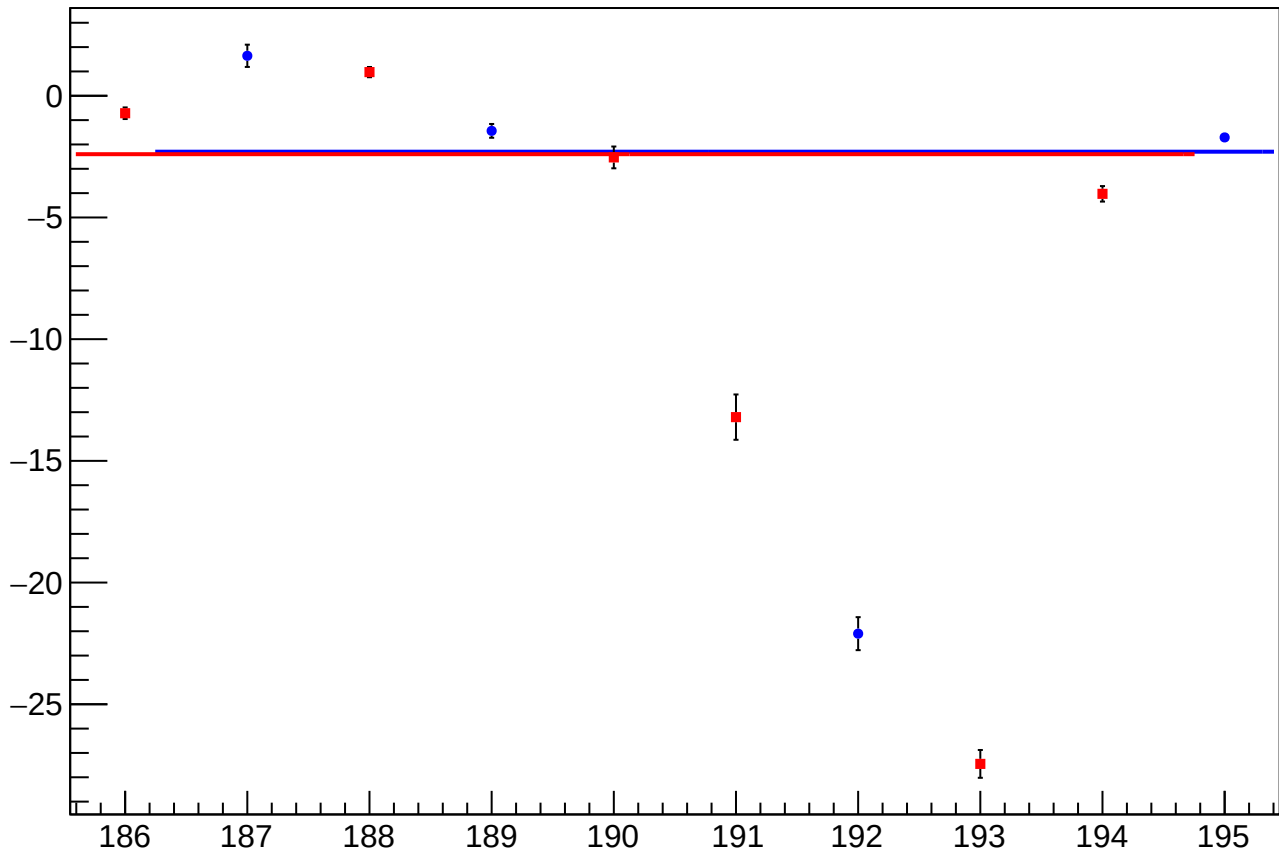
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.256 $\pm$ 0.076  $\chi^2$ /NDF: 33690.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug



Right In:  $-2.297 \pm 0.153$   $\chi^2/\text{NDF}$ : 944.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.400 \pm 0.130$   $\chi^2/\text{NDF}$ : 2390.9/5

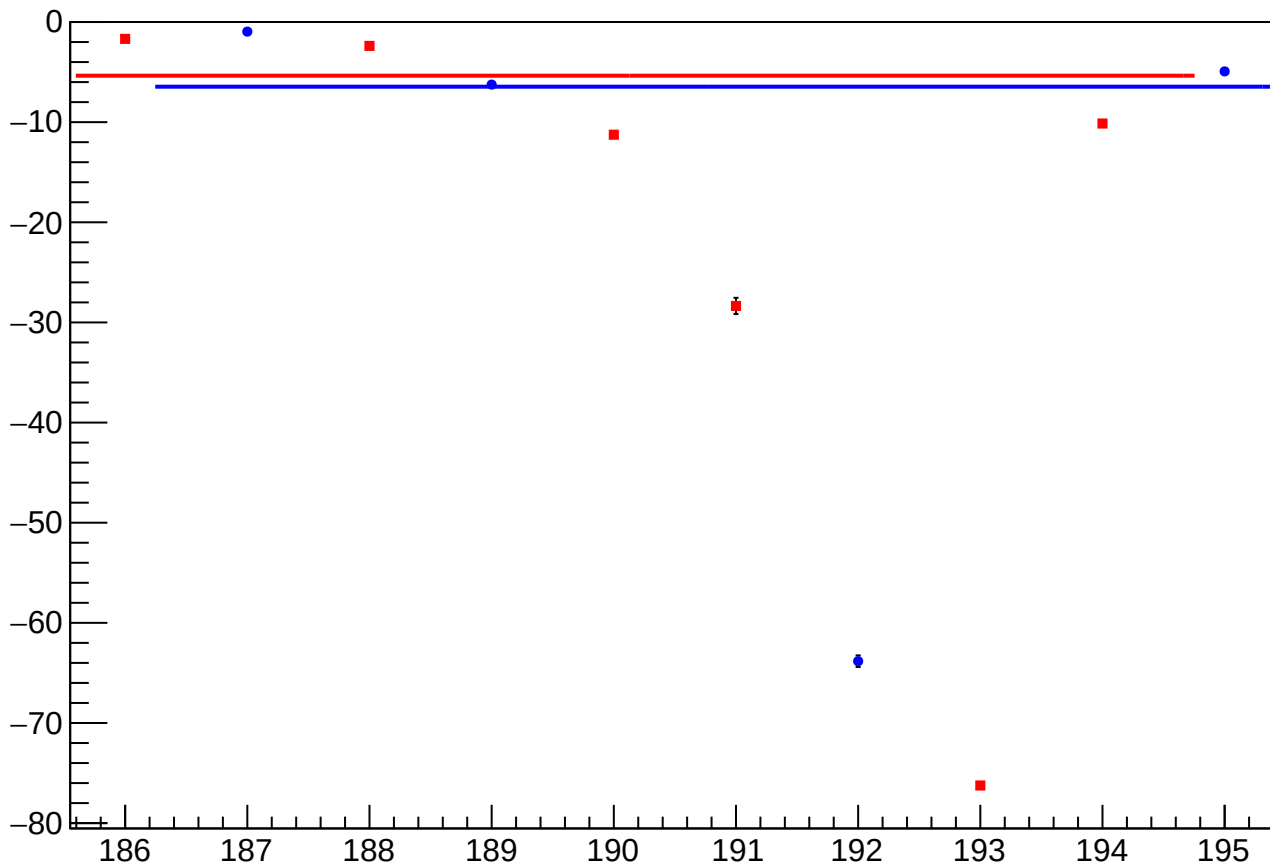
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.357 \pm 0.099$   $\chi^2/\text{NDF}$ : 3335.9/9

- 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: -6.458+/-0.108  $\chi^2/\text{NDF}$ : 10491.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -5.361+/-0.078  $\chi^2/\text{NDF}$ : 23713.6/5

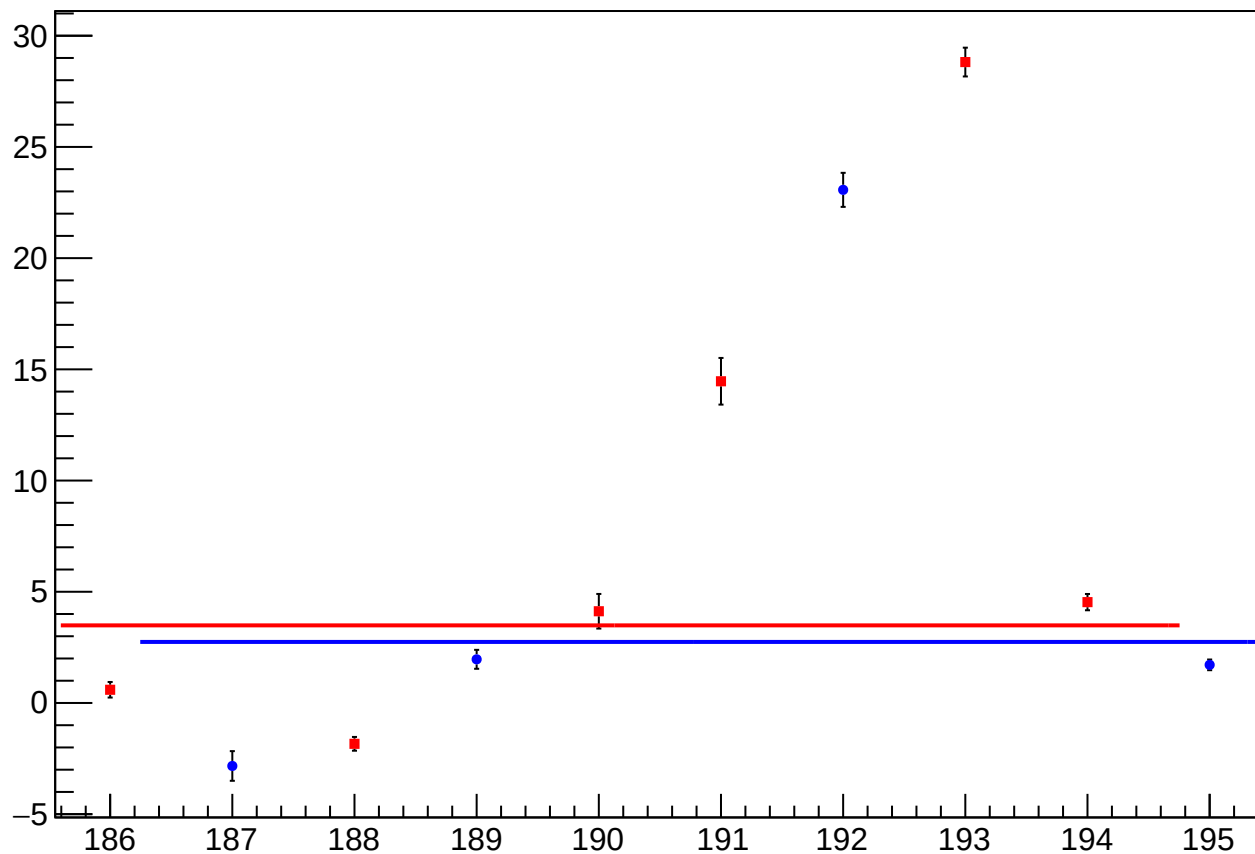
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.739+/-0.063  $\chi^2/\text{NDF}$ : 34272.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug



Right In: 2.745 $\pm$ 0.193  $\chi^2$ /NDF: 797.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.489 $\pm$ 0.180  $\chi^2$ /NDF: 2014.6/5

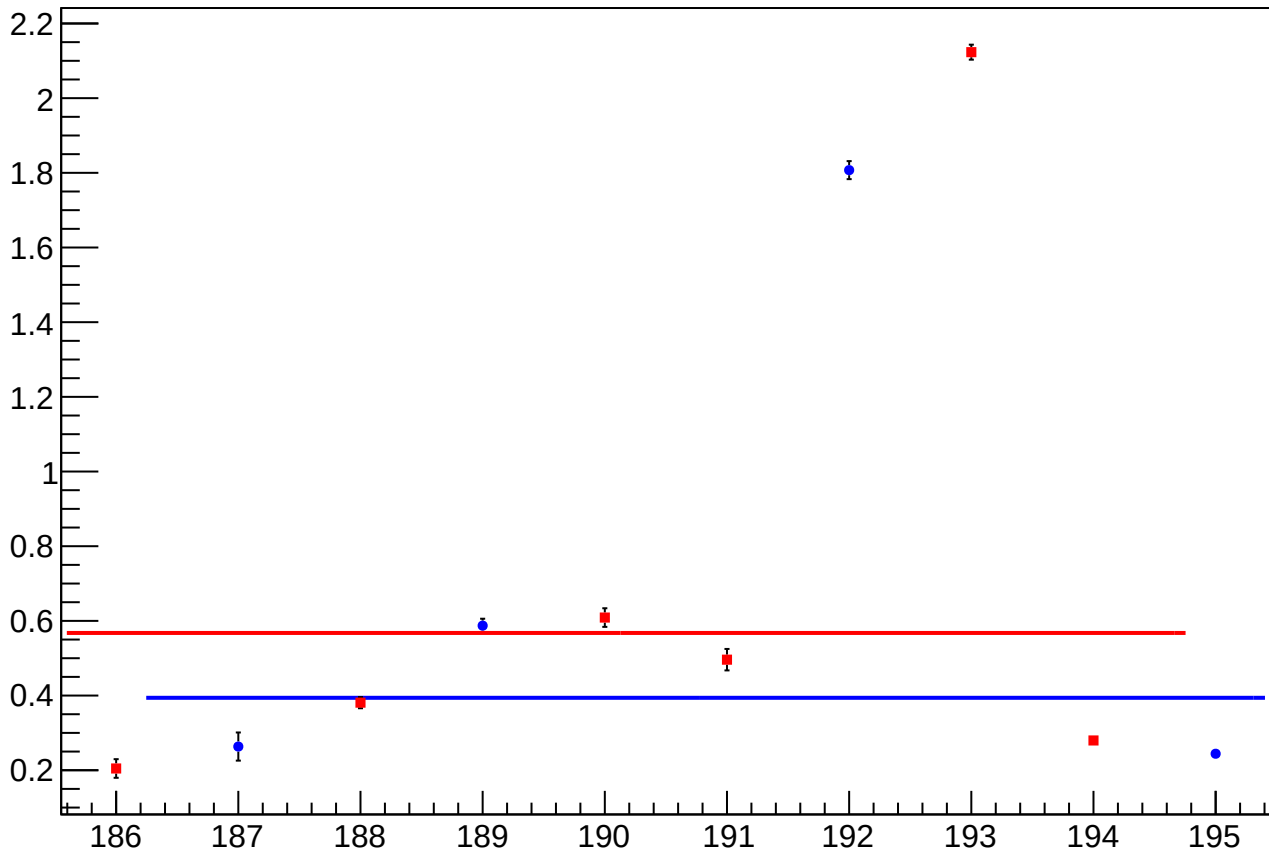
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.144 $\pm$ 0.132  $\chi^2$ /NDF: 2819.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug



Right In: 0.394 $\pm$ 0.006  $\chi^2$ /NDF: 3983.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.568 $\pm$ 0.007  $\chi^2$ /NDF: 7075.3/5

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: 0.471 $\pm$ 0.005  $\chi^2$ /NDF: 11389.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0