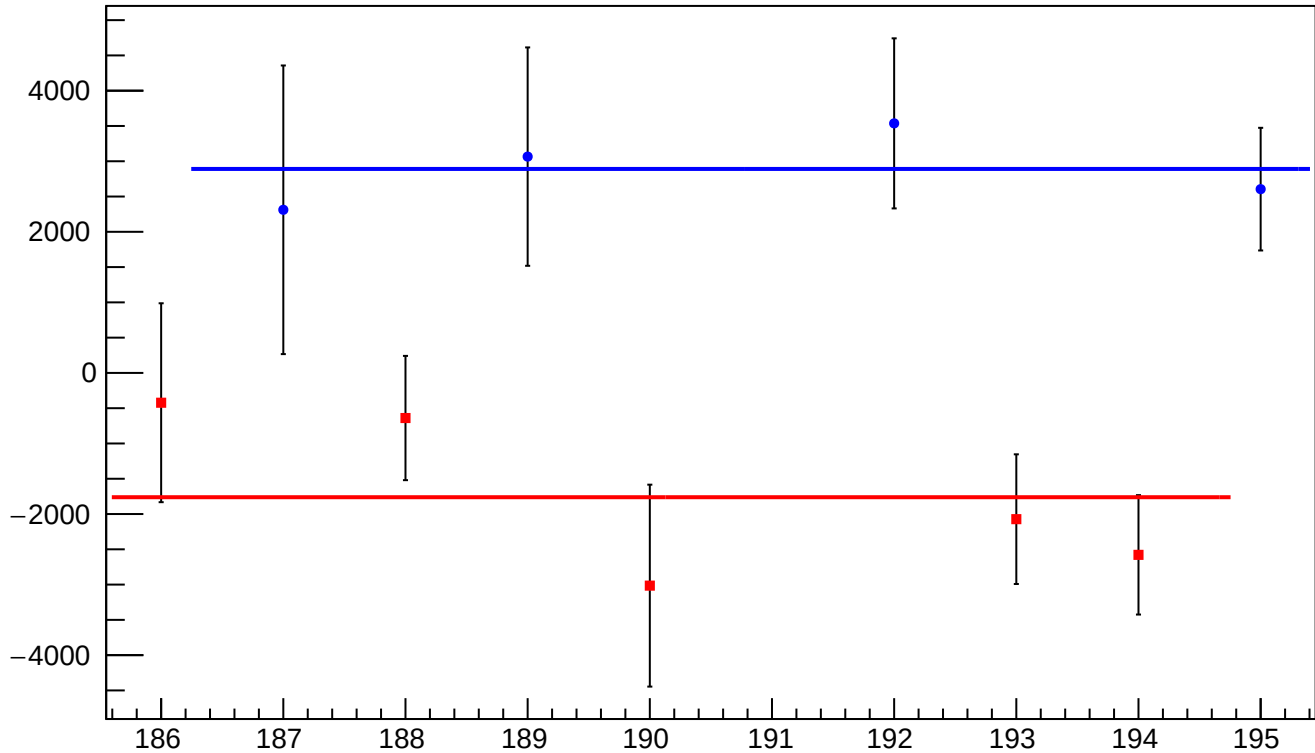


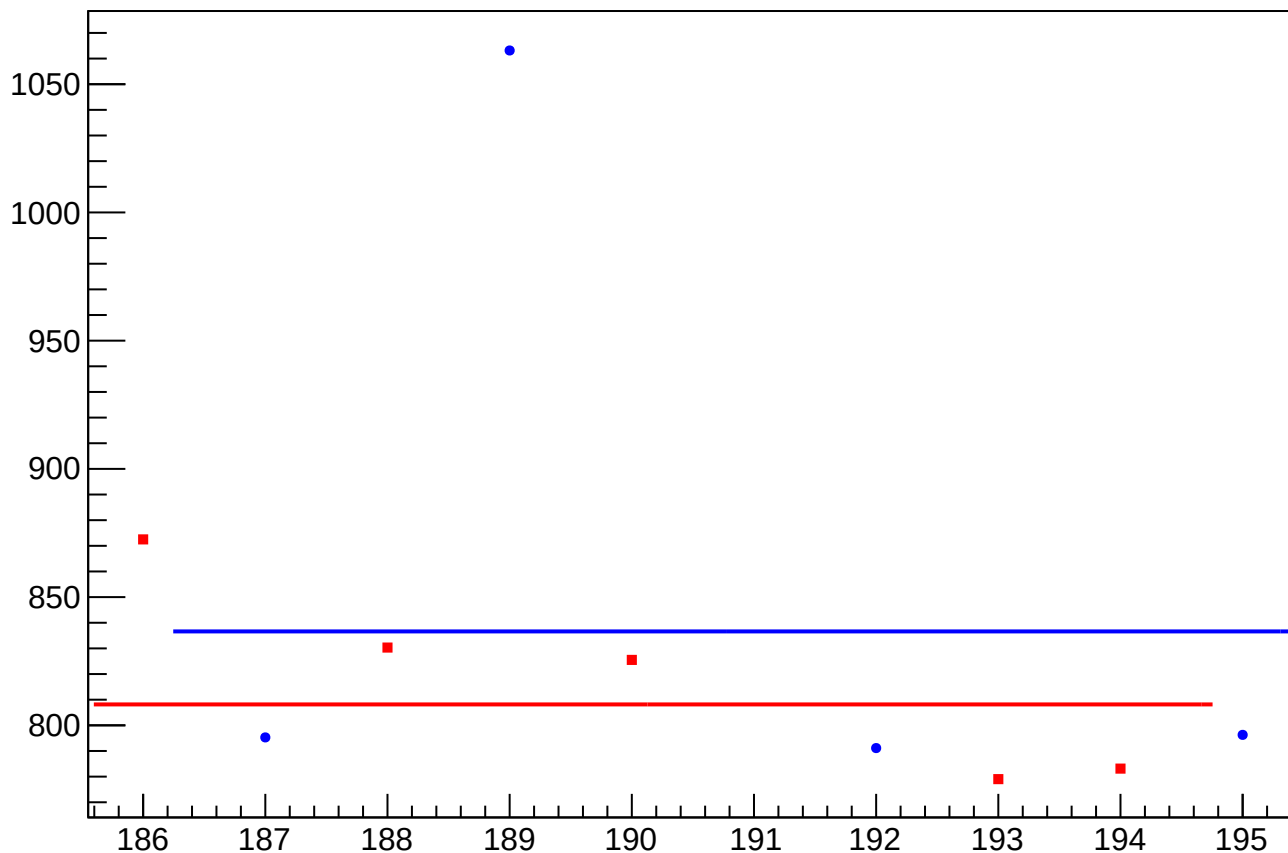
# dit\_asym\_us\_avg\_mean vs Slug



Right In: 2891.073+/-612.164  $\chi^2/\text{NDF}$ : 0.5/3  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -1761.650+/-453.531  $\chi^2/\text{NDF}$ : 4.3/4  
 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: -112.852+/-364.416  $\chi^2/\text{NDF}$ : 42.1/8  
 - sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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



Right In: 836.623+/-0.433  $\chi^2/\text{NDF}$ : 50824.9/3

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

Right Out: 808.154+/-0.321  $\chi^2/\text{NDF}$ : 9490.4/4

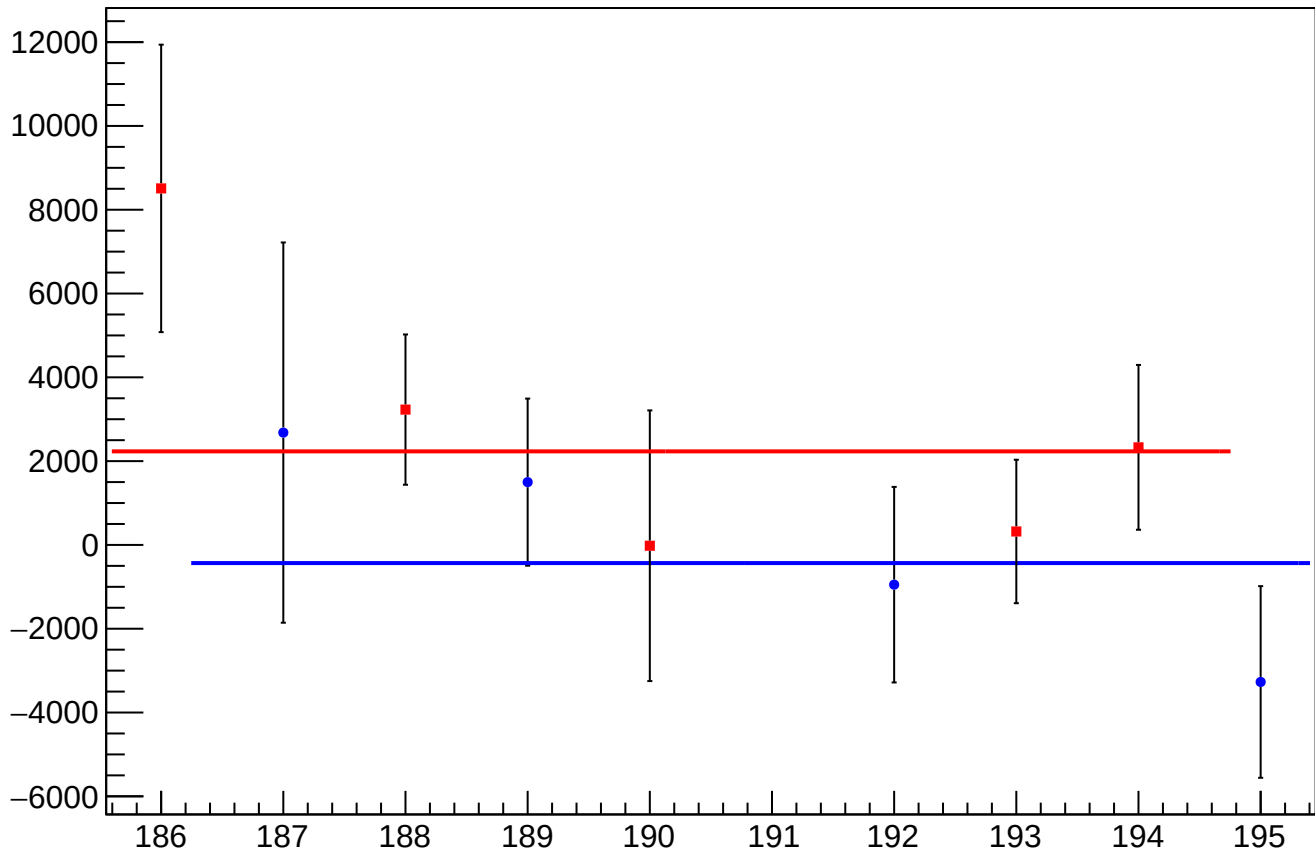
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 818.243+/-0.258  $\chi^2/\text{NDF}$ : 63107.9/8

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

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



Right In: -433.242 $\pm$ 1217.209  $\chi^2$ /NDF: 3.0/3

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

Right Out: 2232.929 $\pm$ 957.226  $\chi^2$ /NDF: 5.4/4

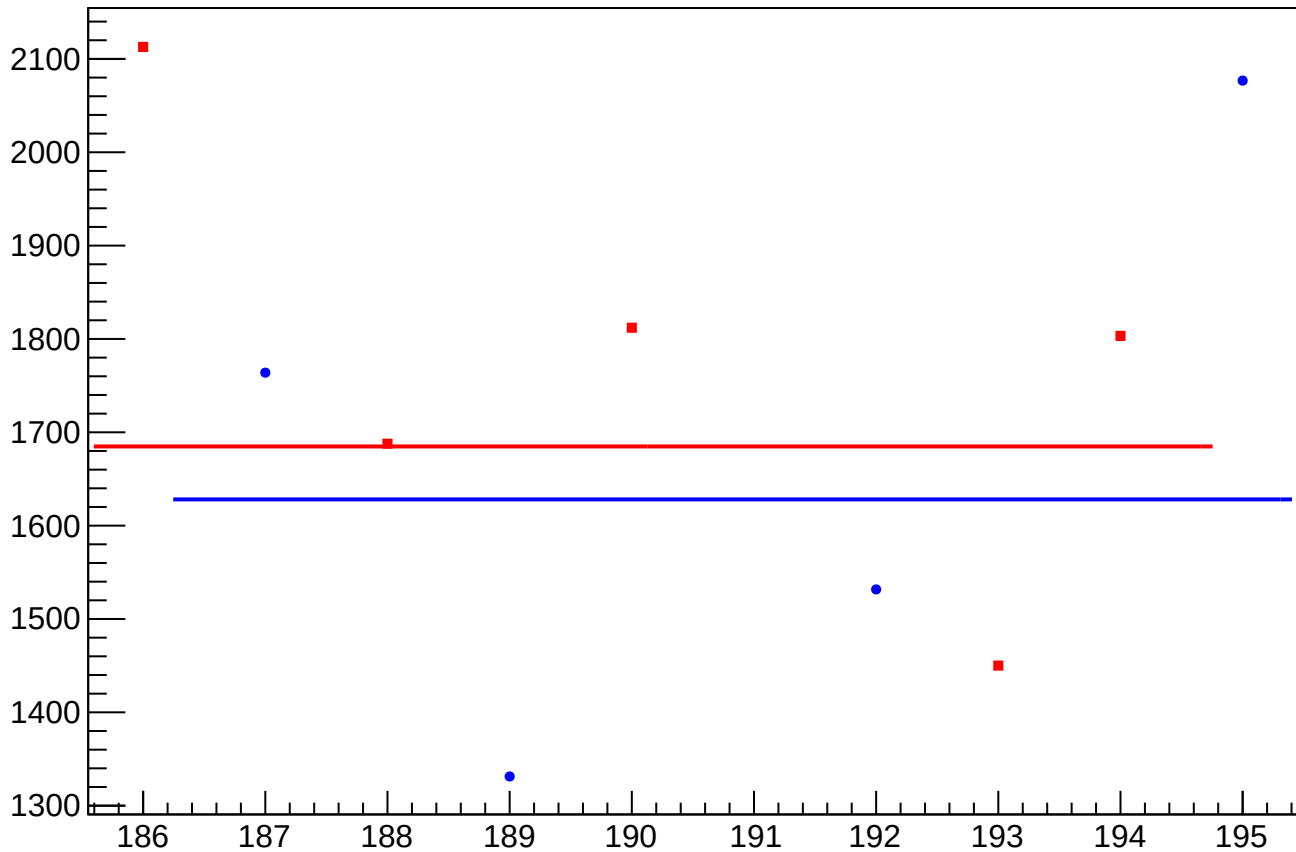
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1214.127 $\pm$ 752.430  $\chi^2$ /NDF: 11.4/8

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

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



Right In: 1628.107 $\pm$ 0.861  $\chi^2$ /NDF: 126507.7/3

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

Right Out: 1684.840 $\pm$ 0.677  $\chi^2$ /NDF: 79093.5/4

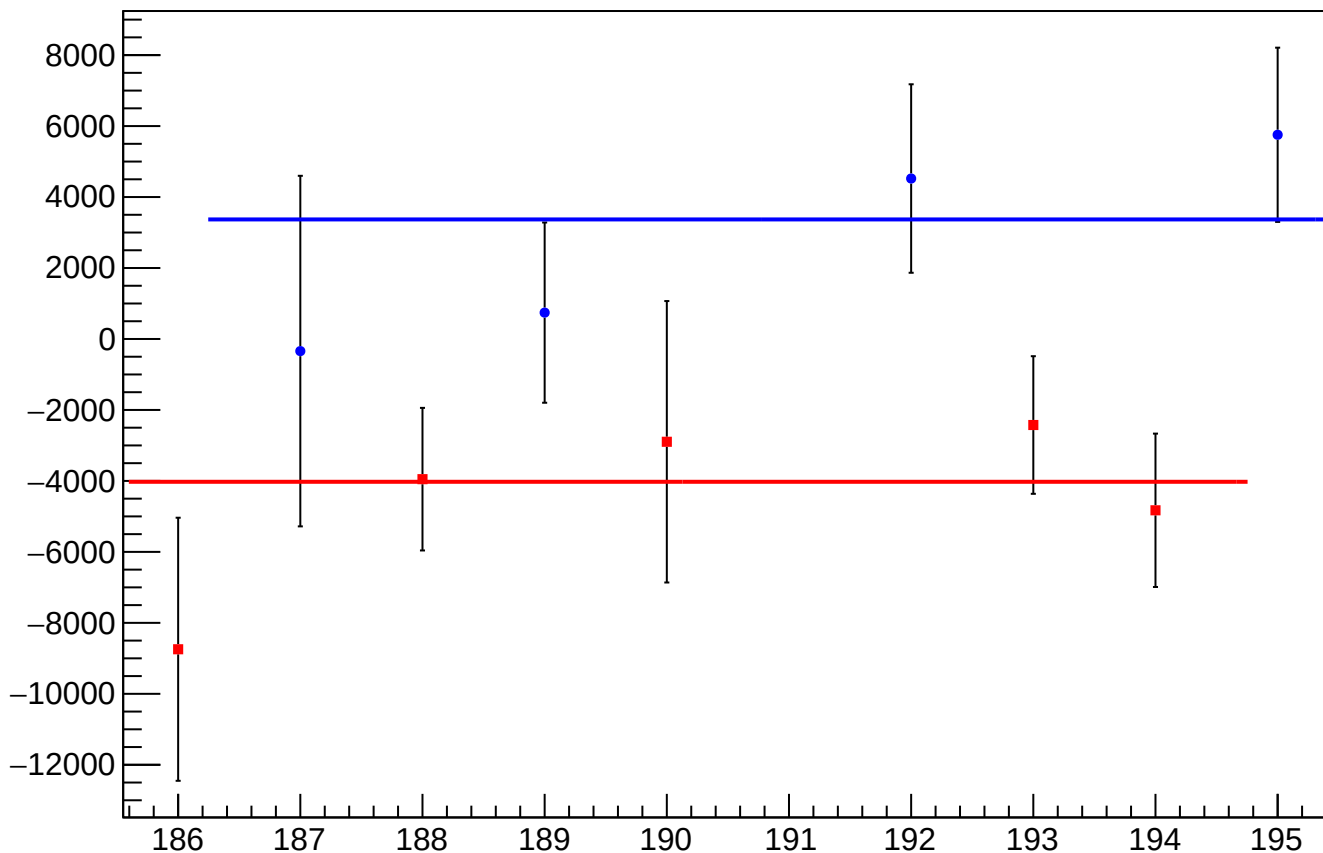
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1663.161 $\pm$ 0.532  $\chi^2$ /NDF: 208285.8/8

- 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: -4024.492 $\pm$ 1075.757  $\chi^2$ /NDF: 2.5/4

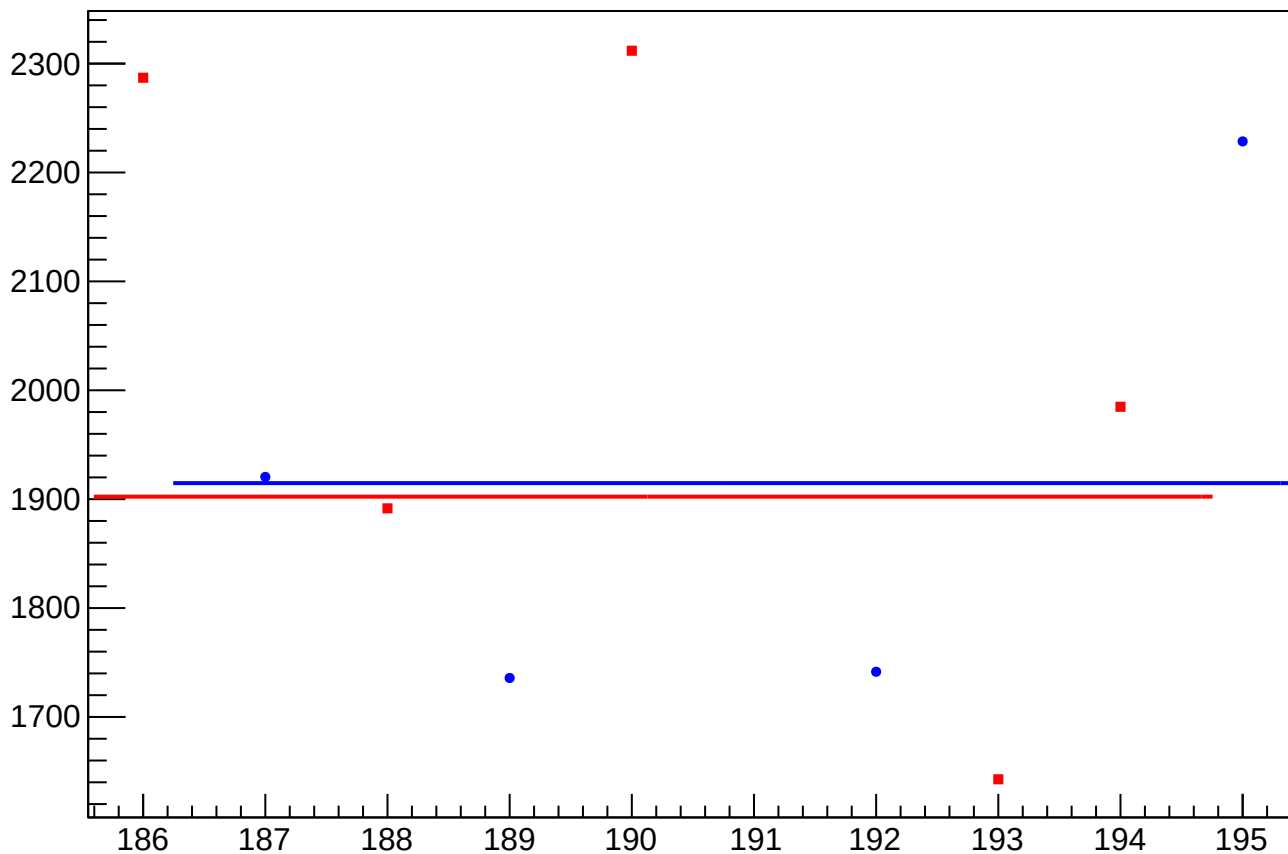
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -1301.744 $\pm$ 855.032  $\chi^2$ /NDF: 22.7/8

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

# asym\_us\_avg\_rms vs Slug



Right In: 1914.746 $\pm$ 0.996  $\chi^2$ /NDF: 51118.5/3

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

Right Out: 1902.331 $\pm$ 0.761  $\chi^2$ /NDF: 81673.9/4

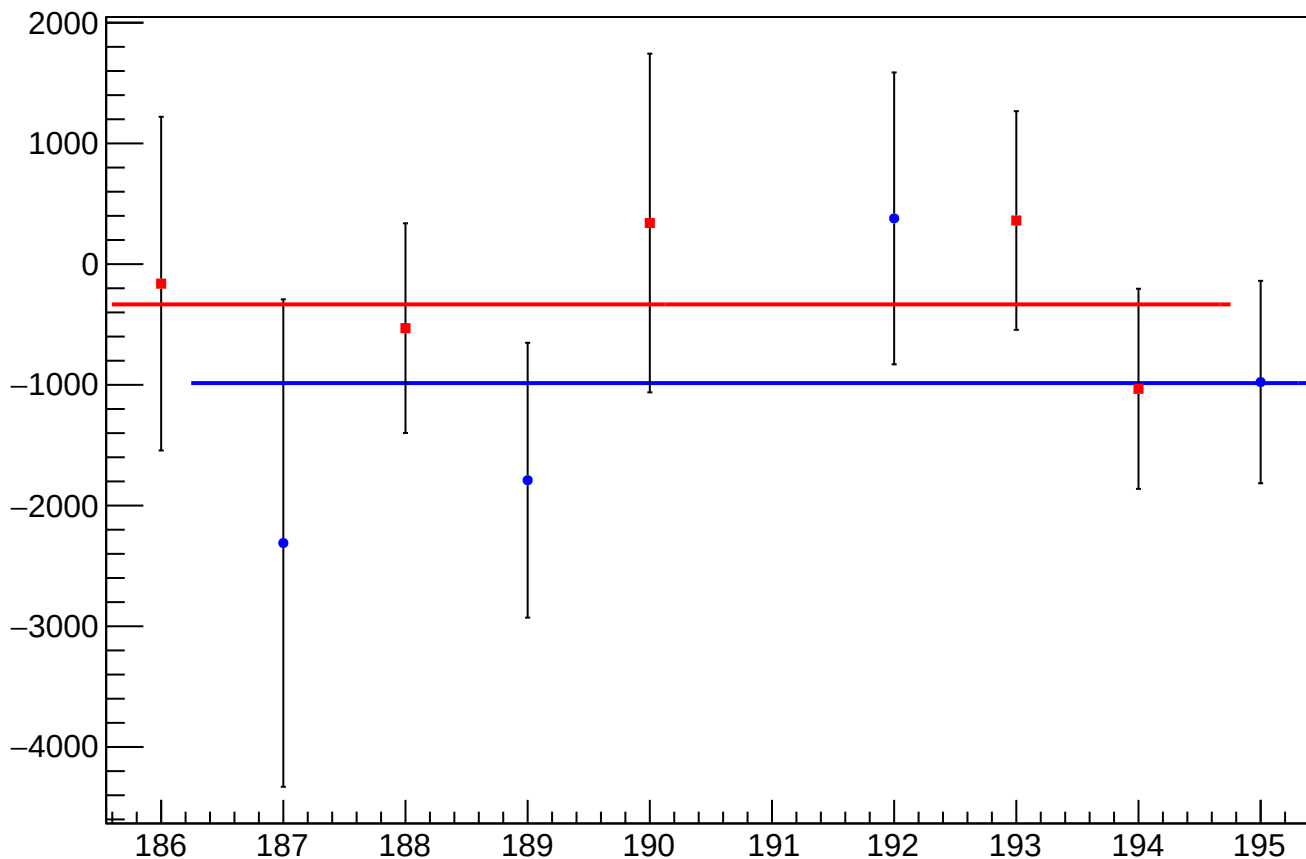
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1906.903 $\pm$ 0.605  $\chi^2$ /NDF: 132890.4/8

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

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



Right In: -985.541 $\pm$ 565.796  $\chi^2$ /NDF: 2.2/3

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

Right Out: -333.384 $\pm$ 445.809  $\chi^2$ /NDF: 1.6/4

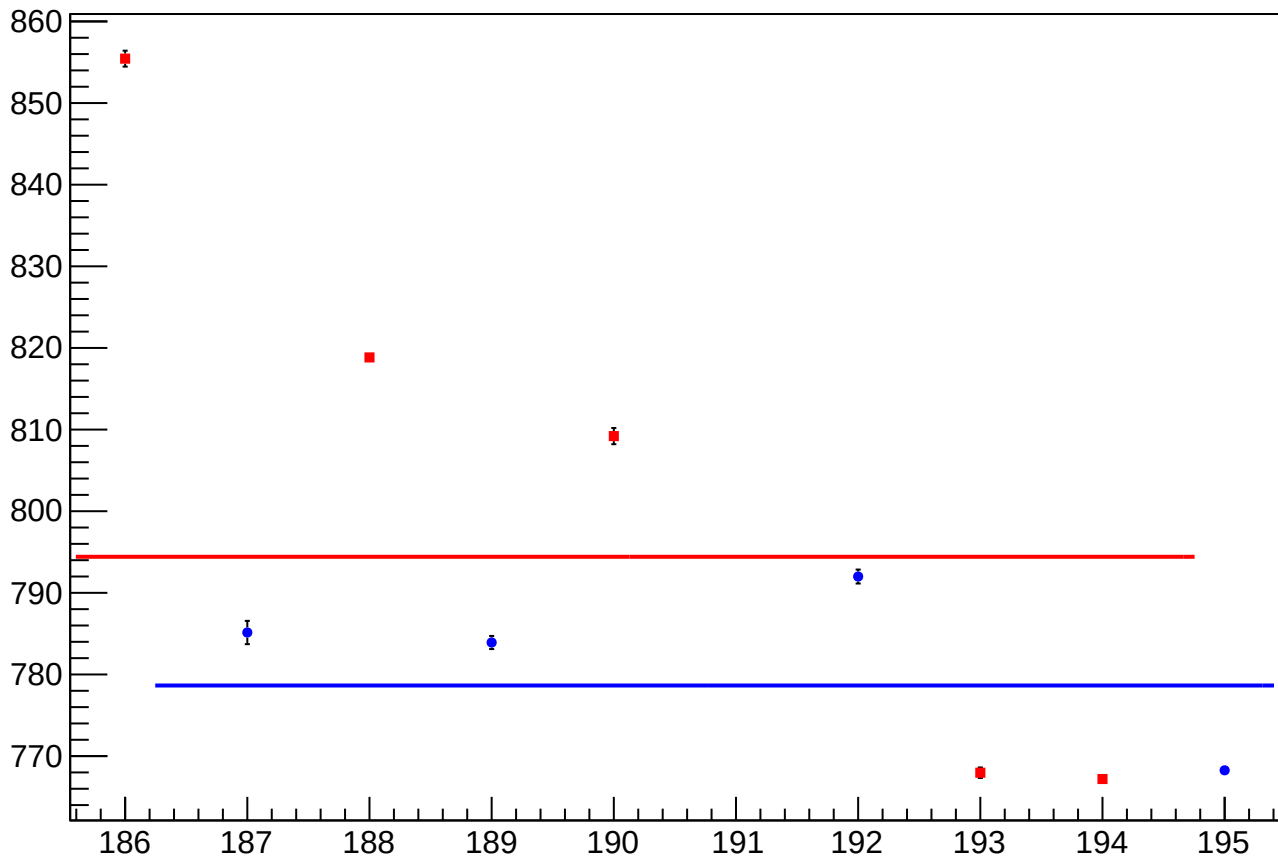
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -583.183 $\pm$ 350.170  $\chi^2$ /NDF: 4.6/8

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

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



Right In: 778.650 $\pm$ 0.400  $\chi^2$ /NDF: 614.5/3

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

Right Out: 794.417 $\pm$ 0.315  $\chi^2$ /NDF: 9565.3/4

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

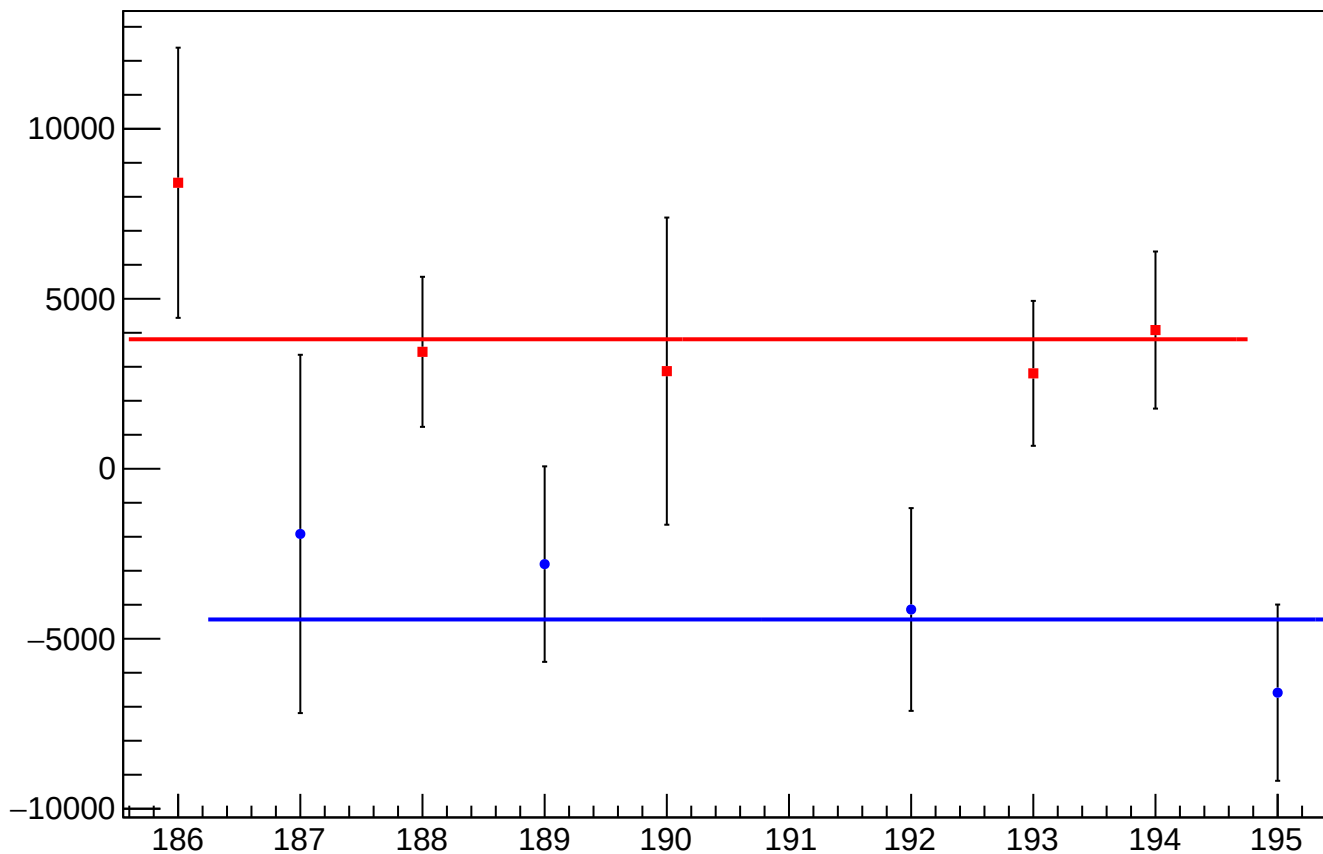
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 788.378 $\pm$ 0.248  $\chi^2$ /NDF: 11138.1/8

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



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



Right In: -4432.888 $\pm$ 1546.334  $\chi^2$ /NDF: 1.2/3

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

Right Out: 3809.100 $\pm$ 1174.427  $\chi^2$ /NDF: 1.6/4

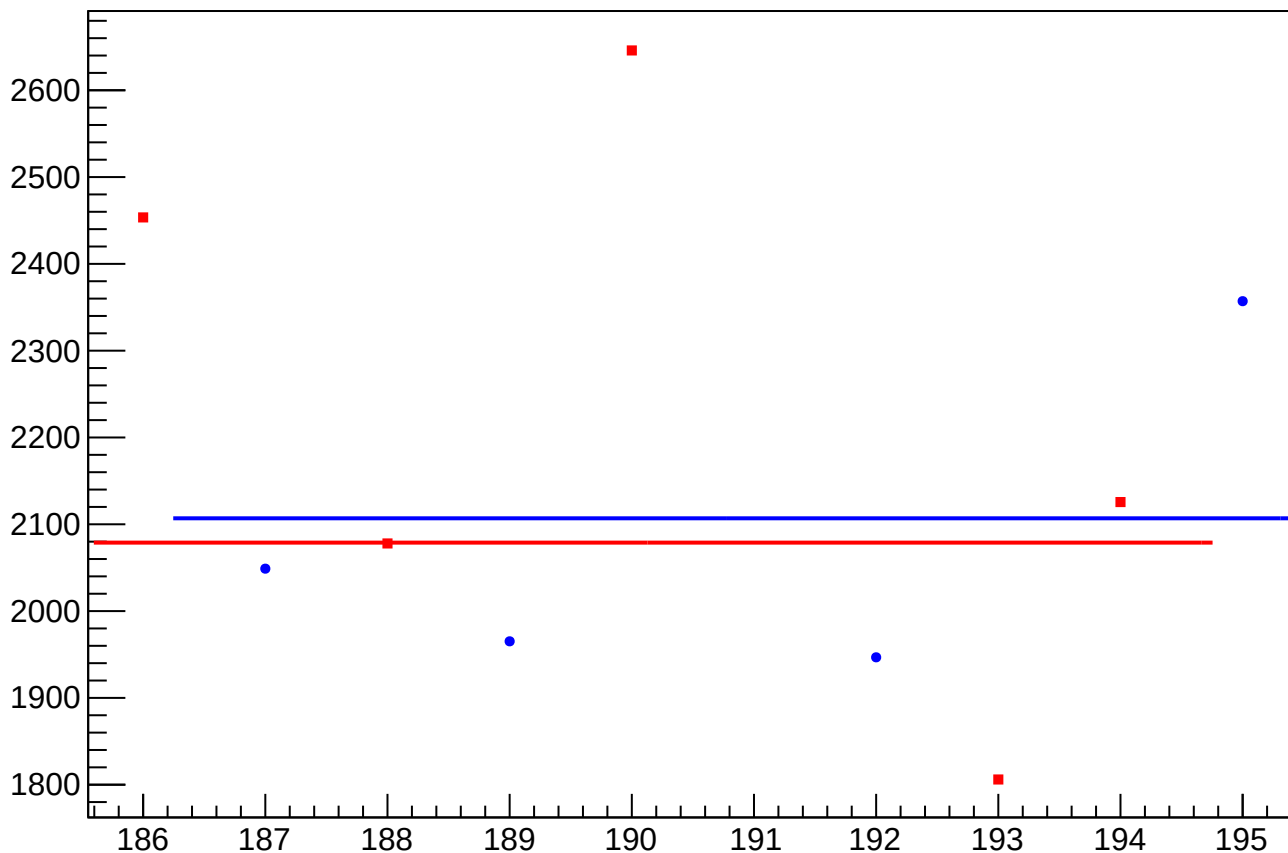
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 794.057 $\pm$ 935.264  $\chi^2$ /NDF: 20.9/8

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

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



Right In: 2106.893+/-1.093  $\chi^2/\text{NDF}$ : 29490.3/3

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

Right Out: 2078.883+/-0.830  $\chi^2/\text{NDF}$ : 82877.3/4

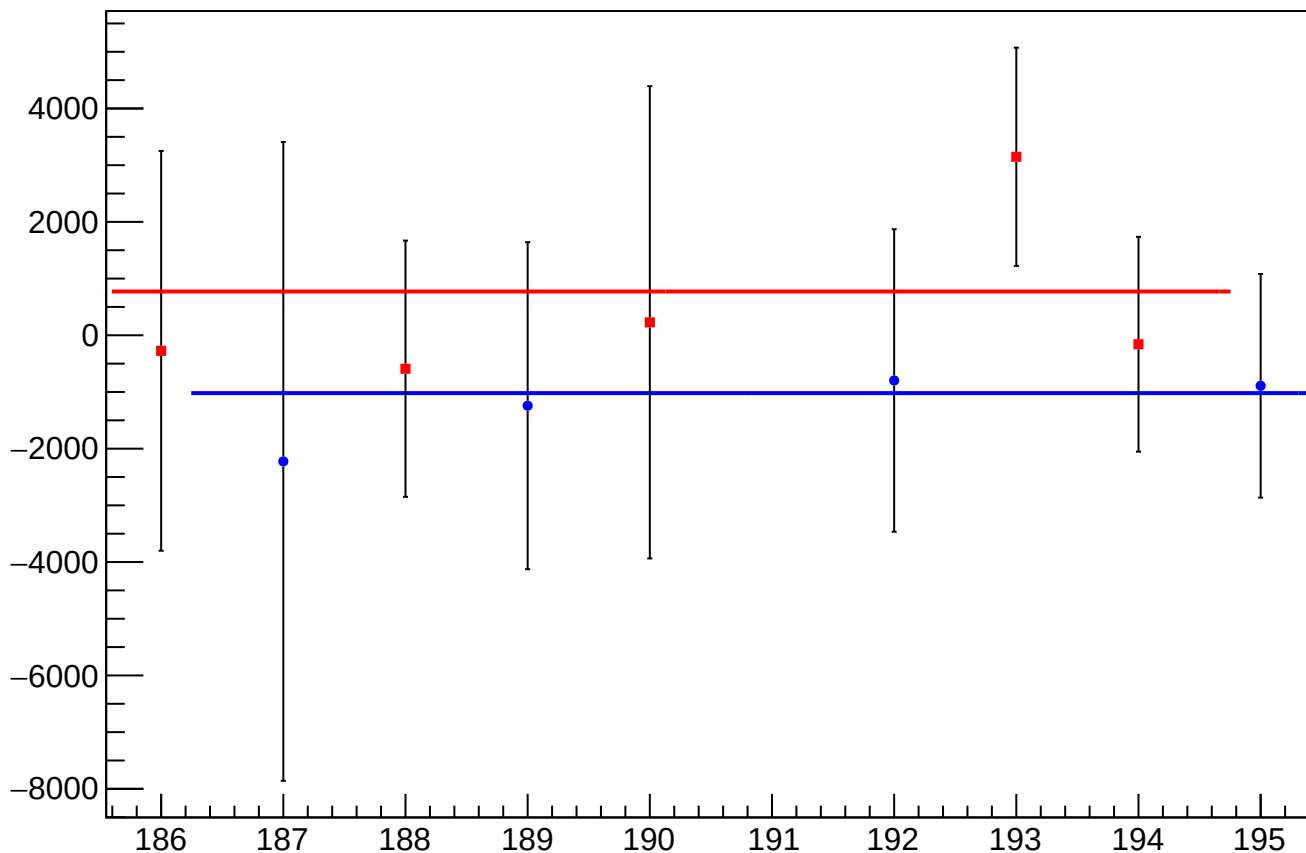
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2089.129+/-0.661  $\chi^2/\text{NDF}$ : 112783.7/8

- 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:  $772.028 \pm 1064.458$   $\chi^2/\text{NDF}$ : 2.2/4

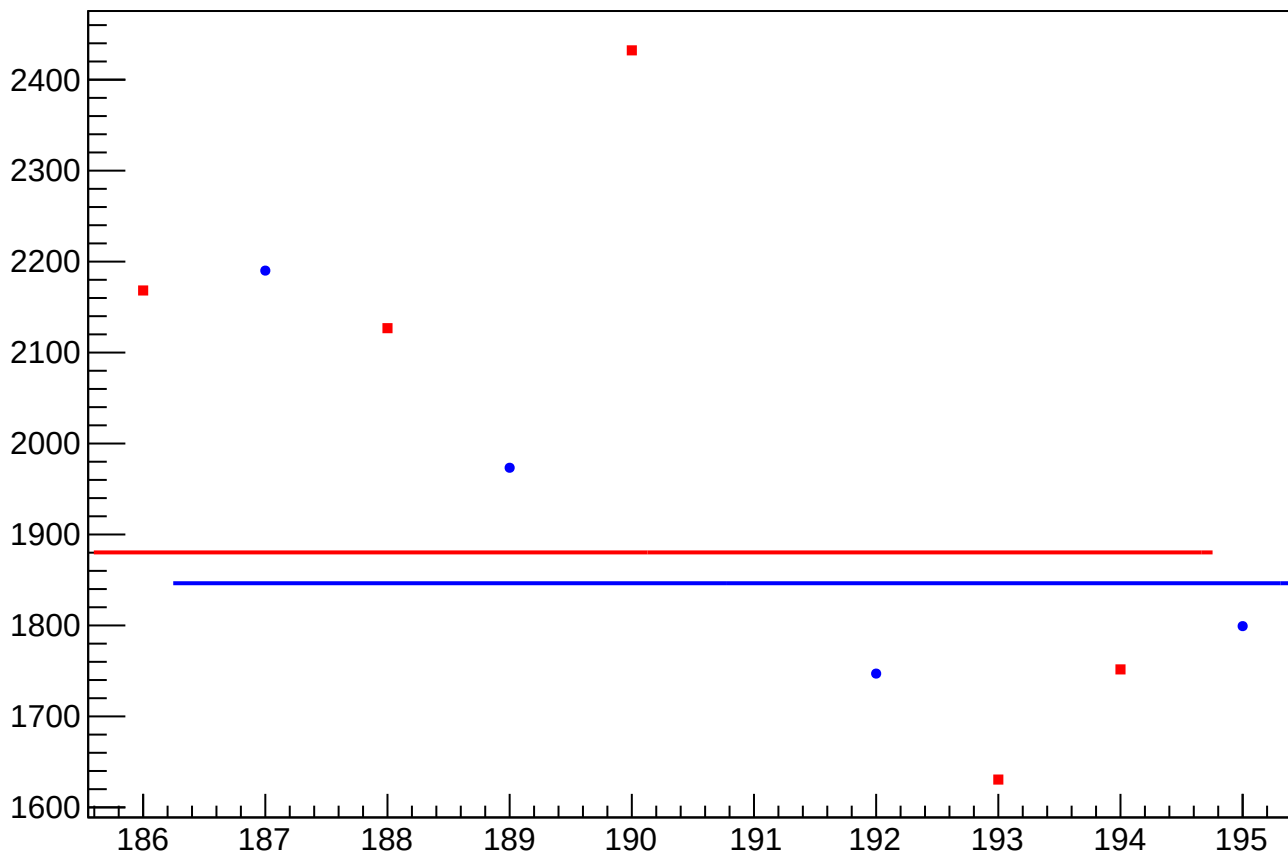
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $84.400 \pm 835.688$   $\chi^2/\text{NDF}$ : 3.4/8

- 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: 1880.289+/-0.753  $\chi^2/\text{NDF}$ : 115162.2/4

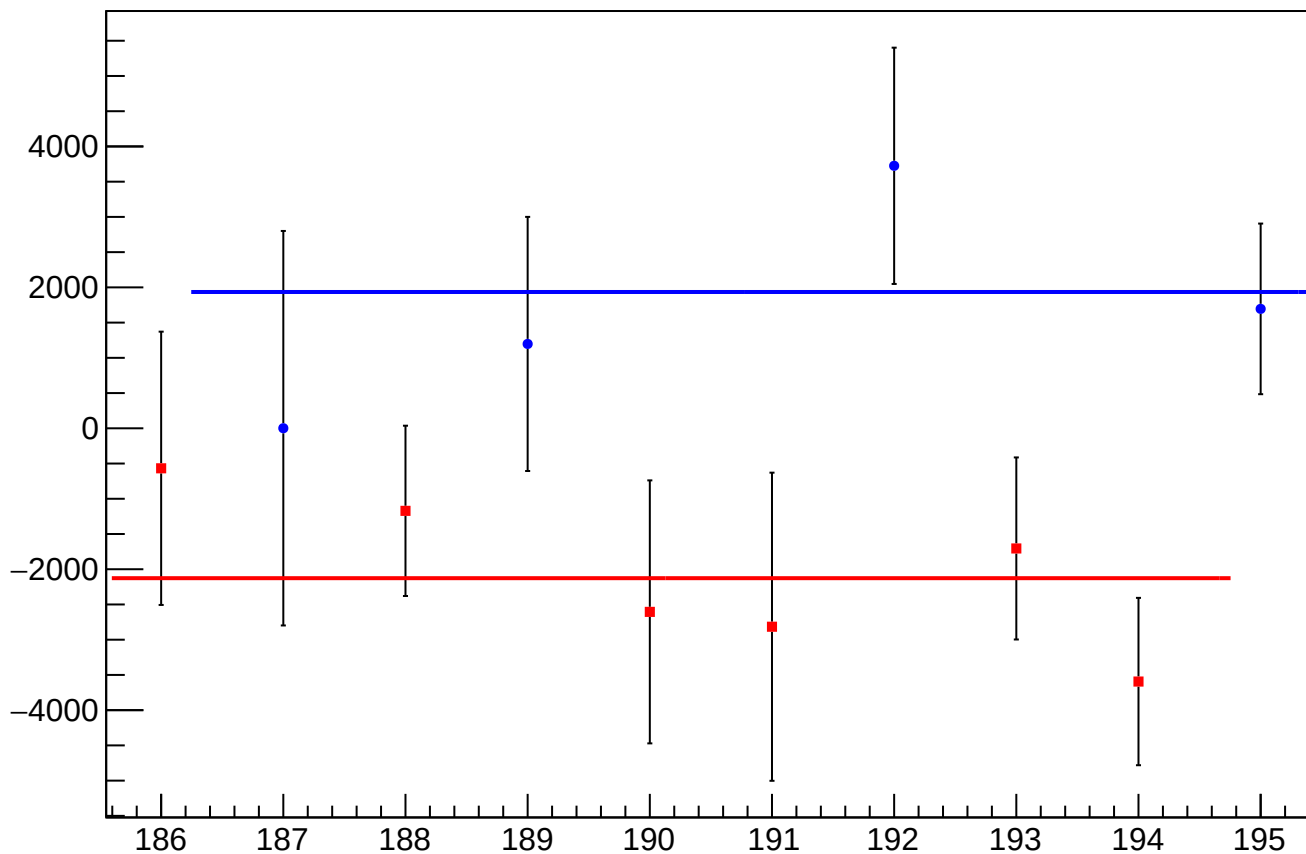
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1867.291+/-0.591  $\chi^2/\text{NDF}$ : 131172.7/8

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

# dit\_asym\_usl\_mean vs Slug



Right In: 1934.502 $\pm$ 823.896  $\chi^2$ /NDF: 1.8/3

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

Right Out: -2126.957 $\pm$ 602.428  $\chi^2$ /NDF: 3.1/5

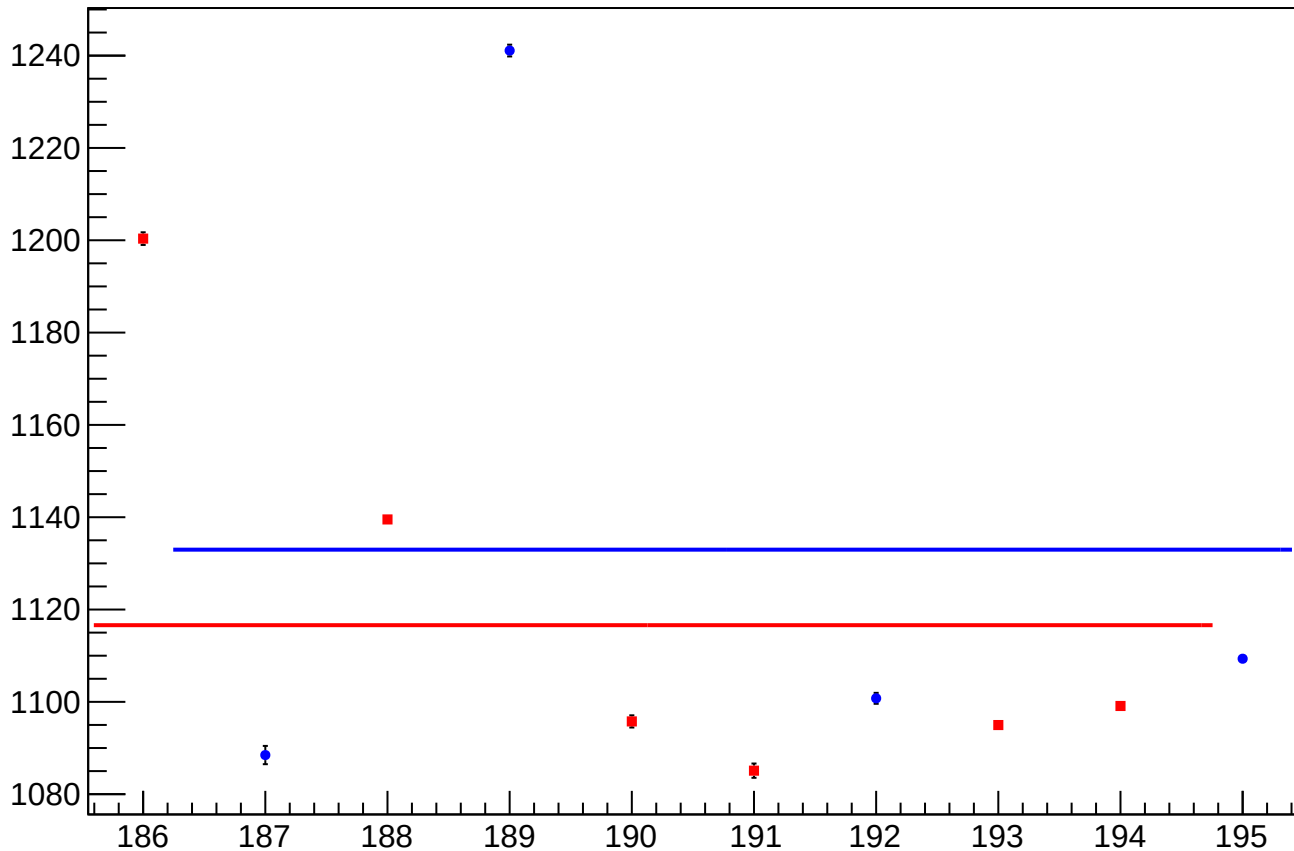
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -712.013 $\pm$ 486.297  $\chi^2$ /NDF: 20.7/9

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

# dit\_asym\_usl\_rms vs Slug



Right In: 1132.973 $\pm$ 0.583  $\chi^2$ /NDF: 9196.5/3

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

Right Out: 1116.612 $\pm$ 0.426  $\chi^2$ /NDF: 6109.4/5

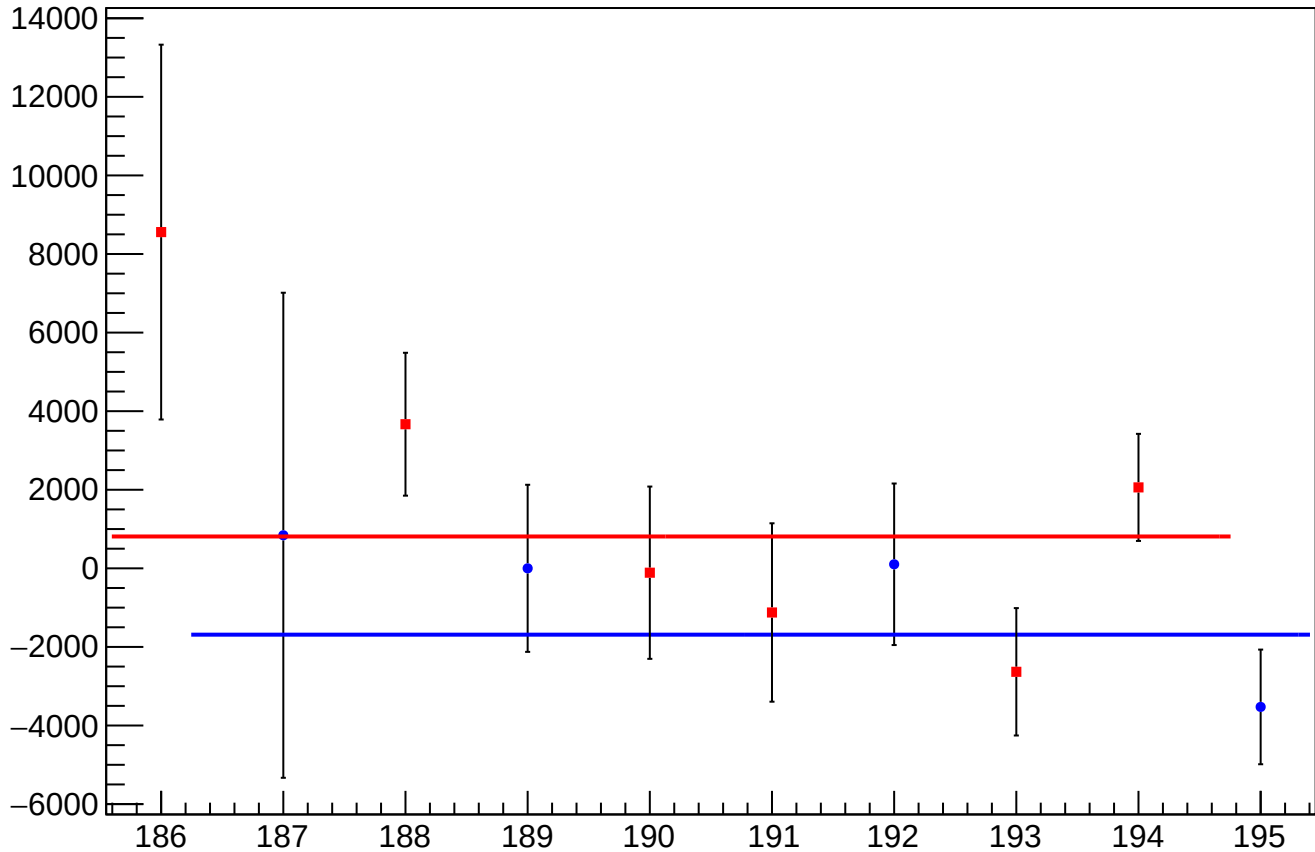
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1122.312 $\pm$ 0.344  $\chi^2$ /NDF: 15819.8/9

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

# asym\_usl\_correction\_mean vs Slug



Right In: -1687.928 $\pm$ 1023.885  $\chi^2$ /NDF: 3.1/3

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

Right Out: 810.961 $\pm$ 774.356  $\chi^2$ /NDF: 11.4/5

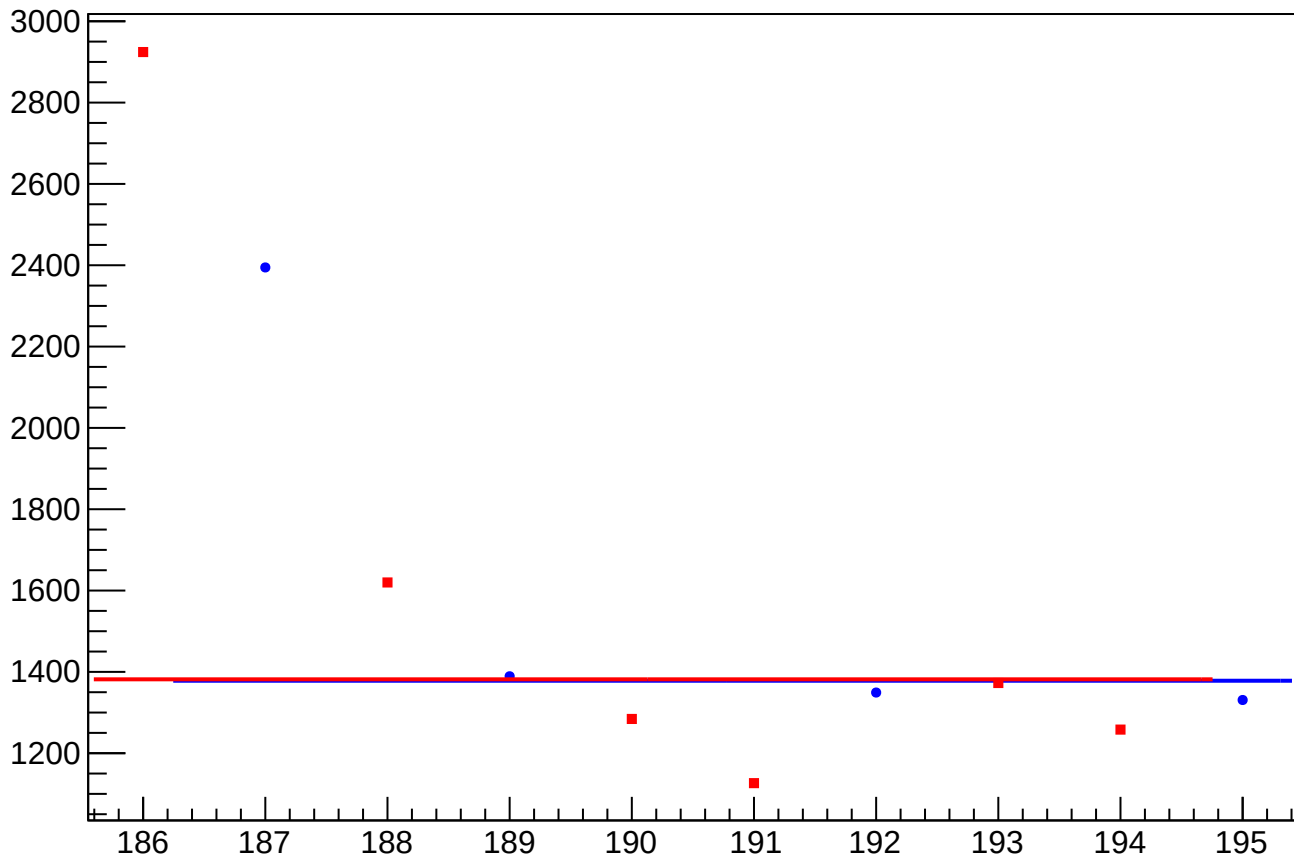
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -98.282 $\pm$ 617.615  $\chi^2$ /NDF: 18.3/9

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

# asym\_usl\_correction\_rms vs Slug



Right In: 1378.226+/-0.724  $\chi^2/\text{NDF}$ : 56784.1/3

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

Right Out: 1381.709+/-0.548  $\chi^2/\text{NDF}$ : 289293.2/5

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

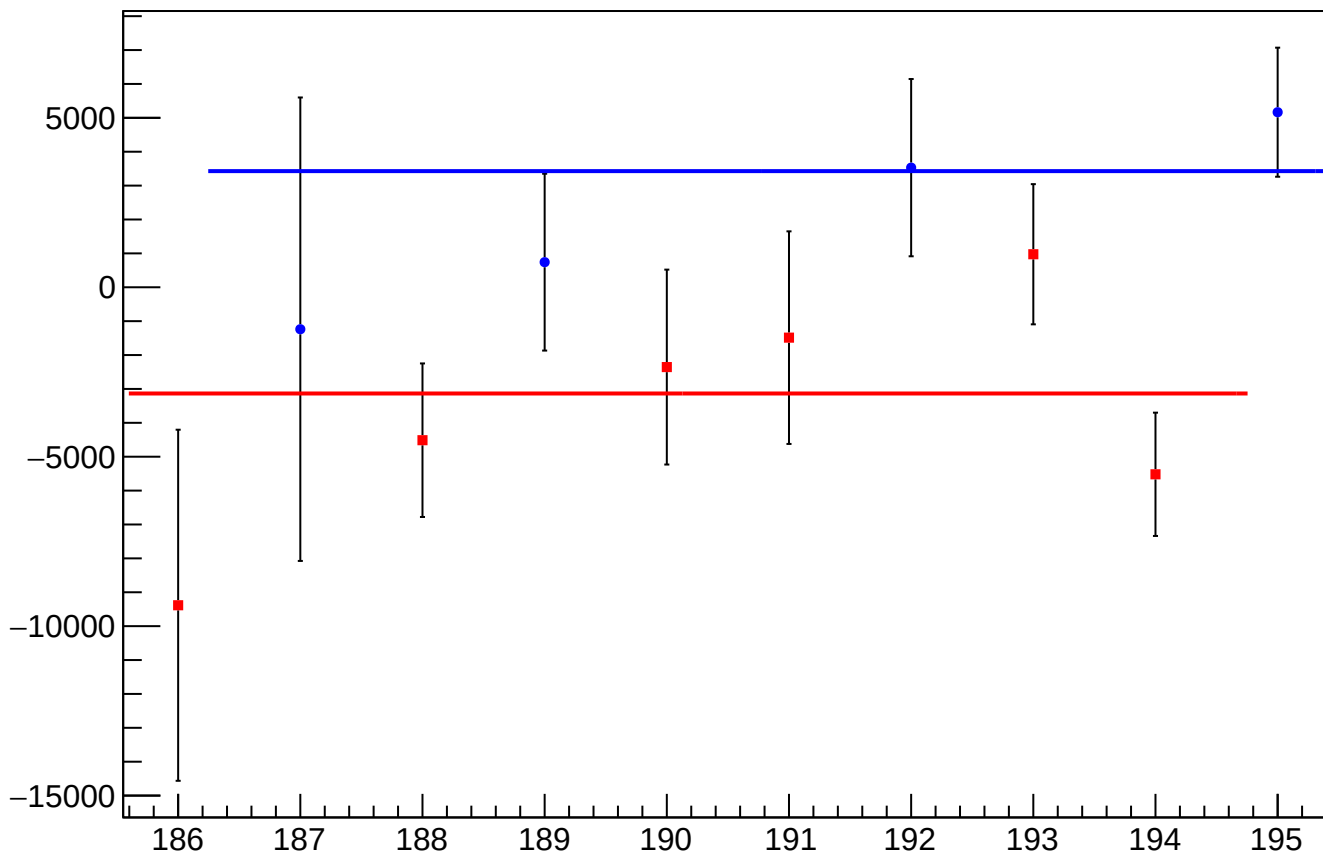
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1380.442+/-0.437  $\chi^2/\text{NDF}$ : 346092.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: -3134.495 $\pm$ 1004.815  $\chi^2$ /NDF: 7.8/5

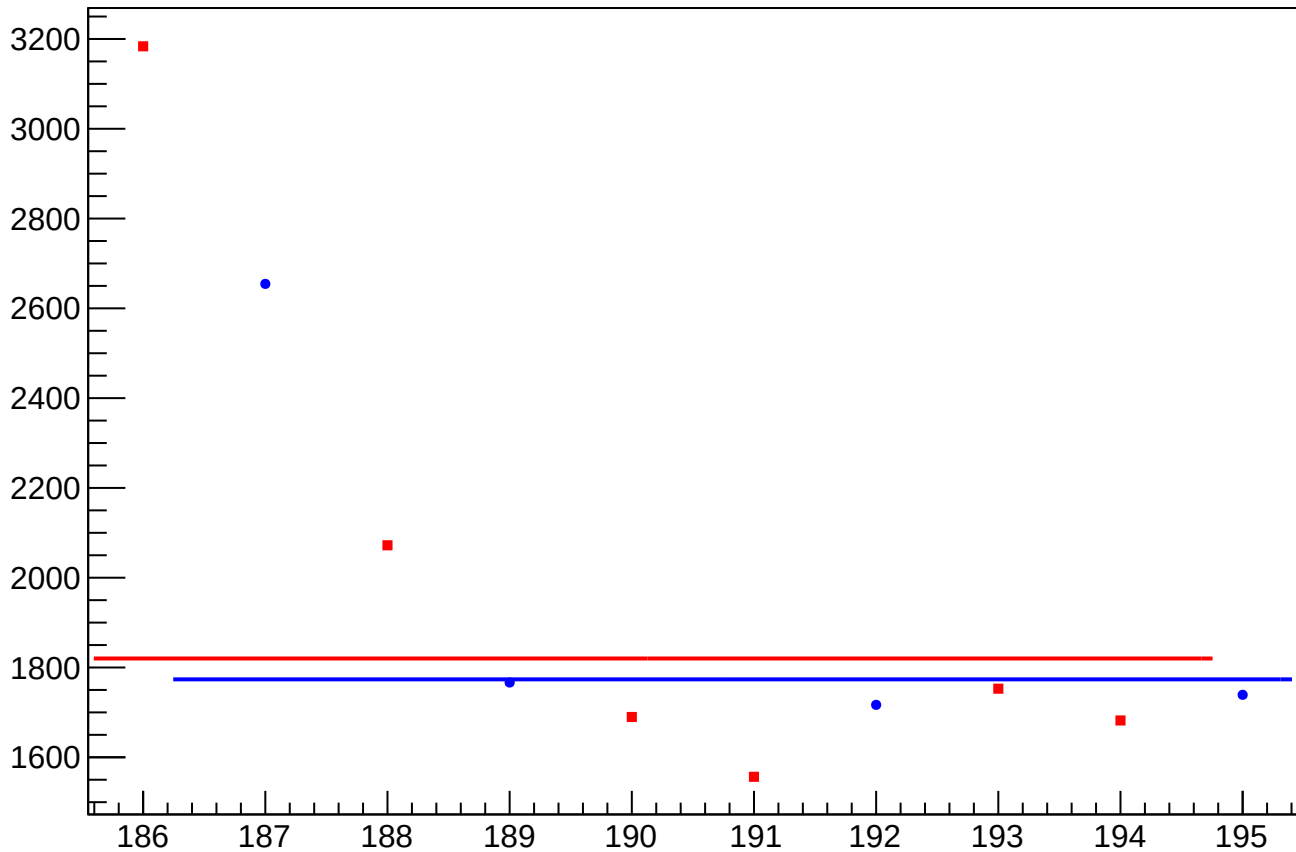
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -684.344 $\pm$ 795.400  $\chi^2$ /NDF: 26.1/9

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

# asym\_usl\_rms vs Slug



Right In: 1773.593 $\pm$ 0.920  $\chi^2$ /NDF: 34802.8/3

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

Right Out: 1820.048 $\pm$ 0.711  $\chi^2$ /NDF: 195218.9/5

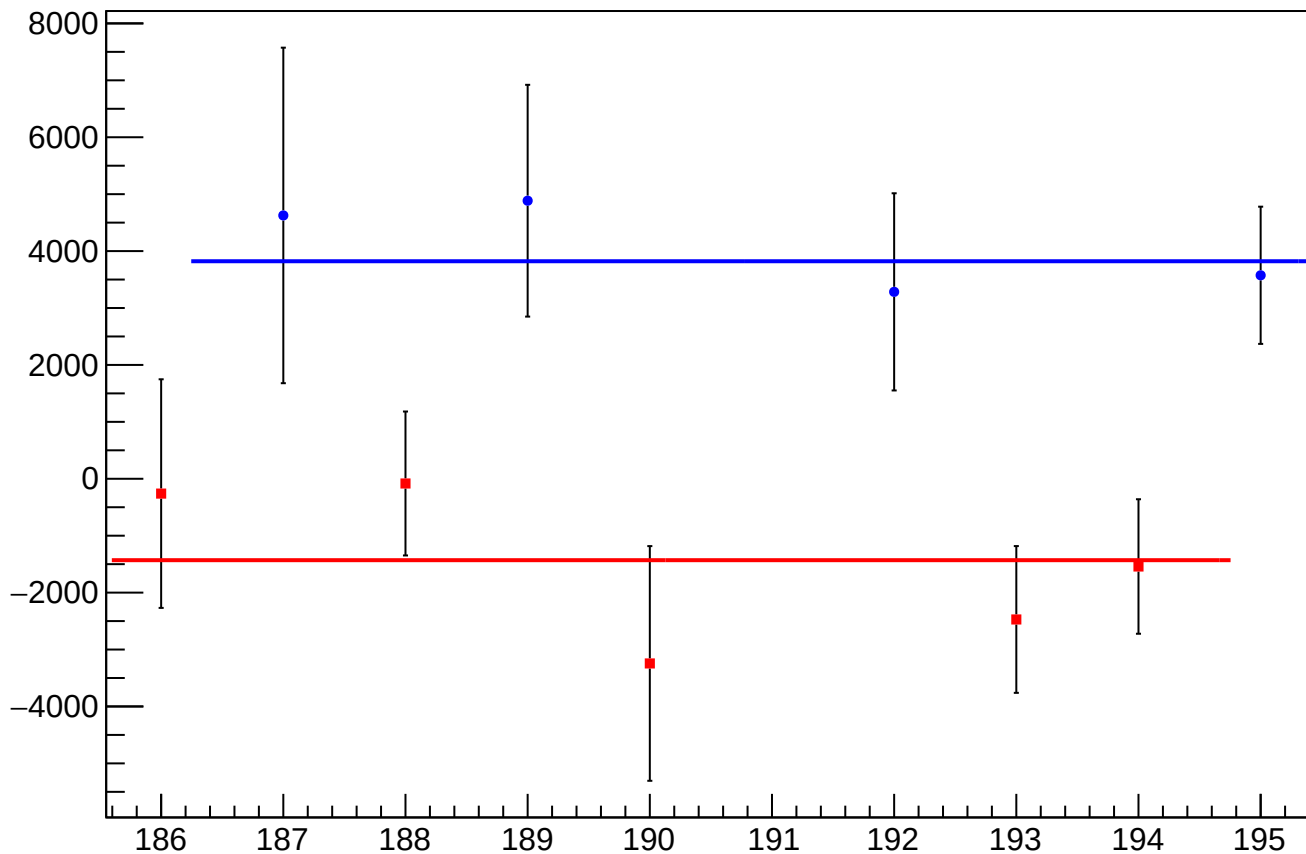
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1802.702 $\pm$ 0.562  $\chi^2$ /NDF: 231617.9/9

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

# dit\_asym\_usr\_mean vs Slug



Right In: 3821.636 $\pm$ 851.873  $\chi^2$ /NDF: 0.5/3

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

Right Out: -1430.208 $\pm$ 641.929  $\chi^2$ /NDF: 2.9/4

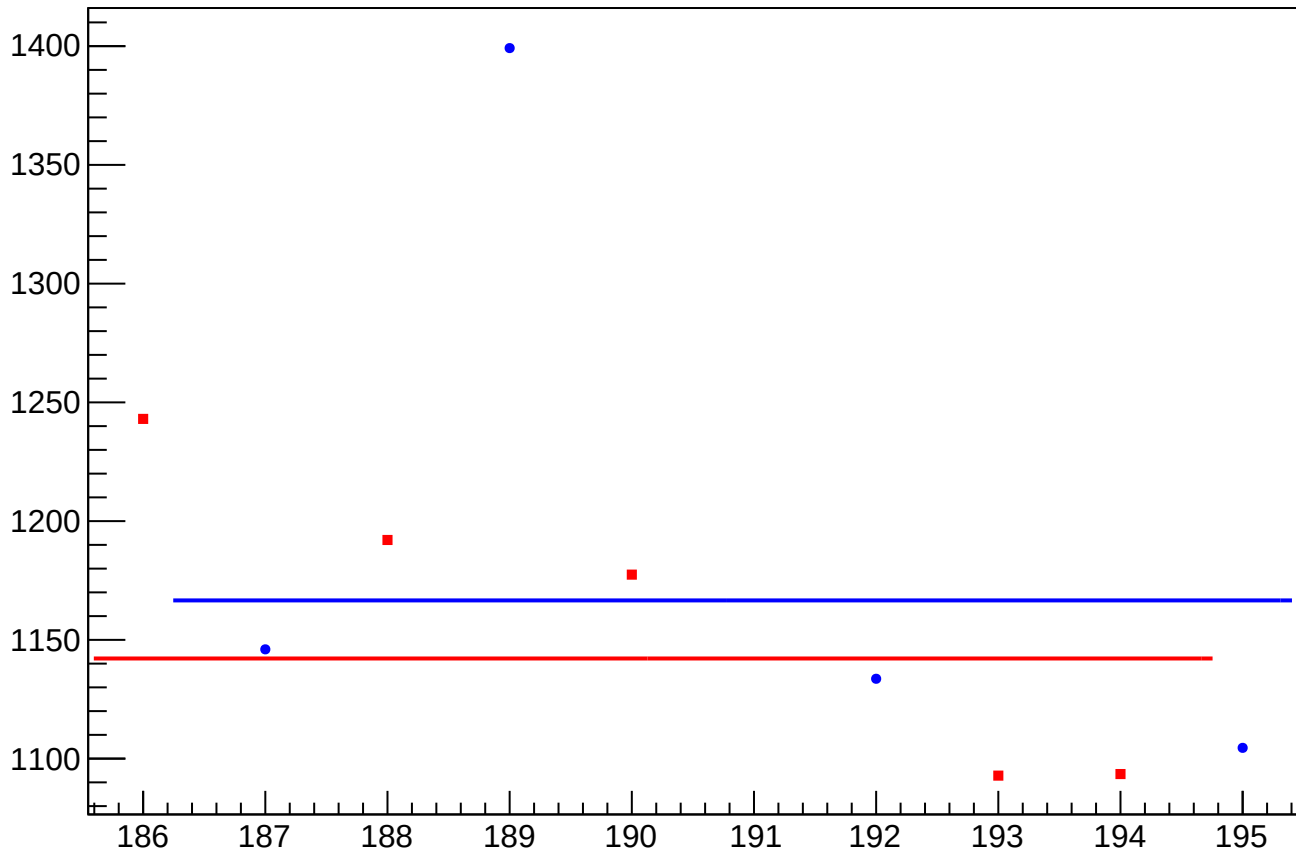
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 471.898 $\pm$ 512.668  $\chi^2$ /NDF: 27.6/8

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

# dit\_asym\_usr\_rms vs Slug



Right In: 1166.614 $\pm$ 0.602  $\chi^2$ /NDF: 32224.0/3

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

Right Out: 1142.160 $\pm$ 0.454  $\chi^2$ /NDF: 15069.1/4

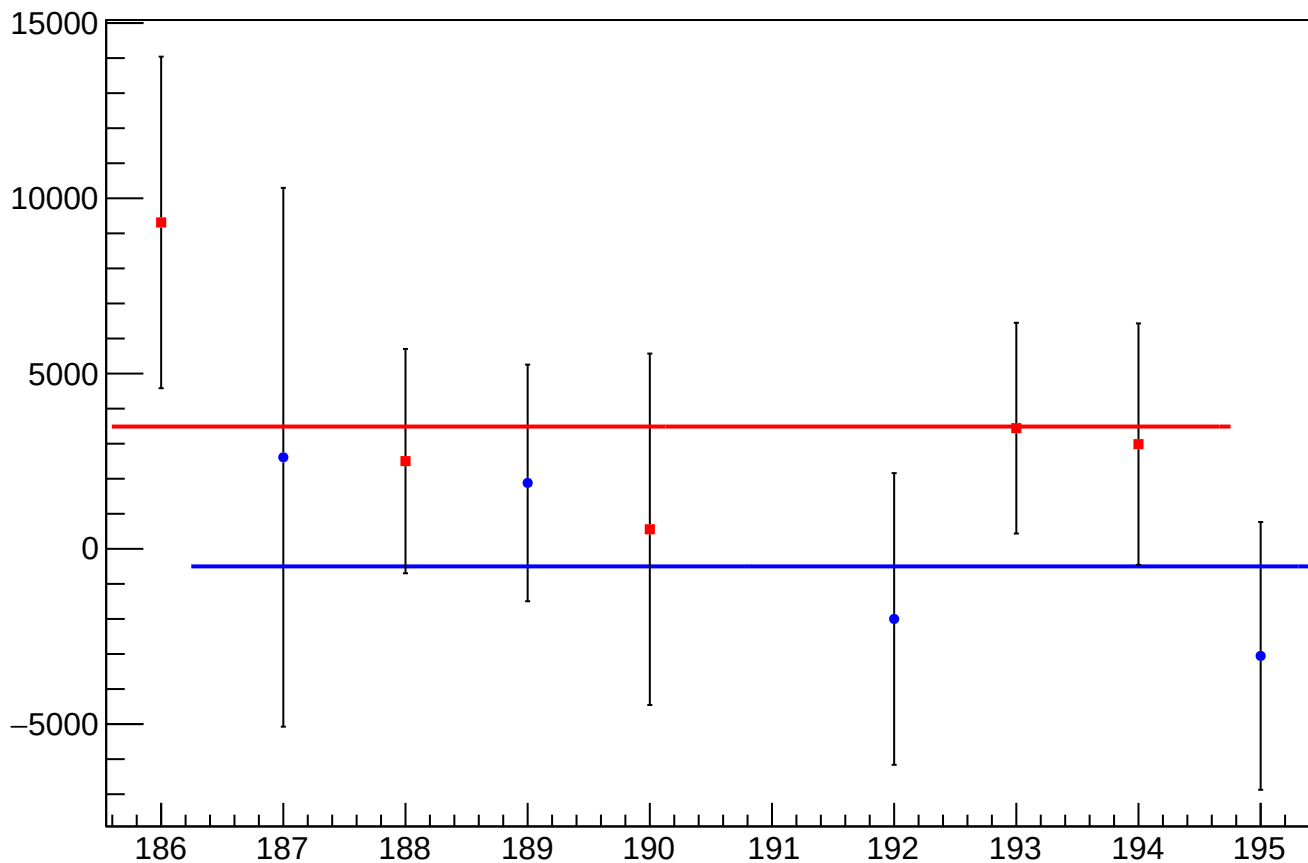
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1151.017 $\pm$ 0.363  $\chi^2$ /NDF: 48344.4/8

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

# asym\_usr\_correction\_mean vs Slug



Right In: -501.021+/-2080.659  $\chi^2/\text{NDF}$ : 1.2/3

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

Right Out: 3488.841+/-1628.444  $\chi^2/\text{NDF}$ : 2.0/4

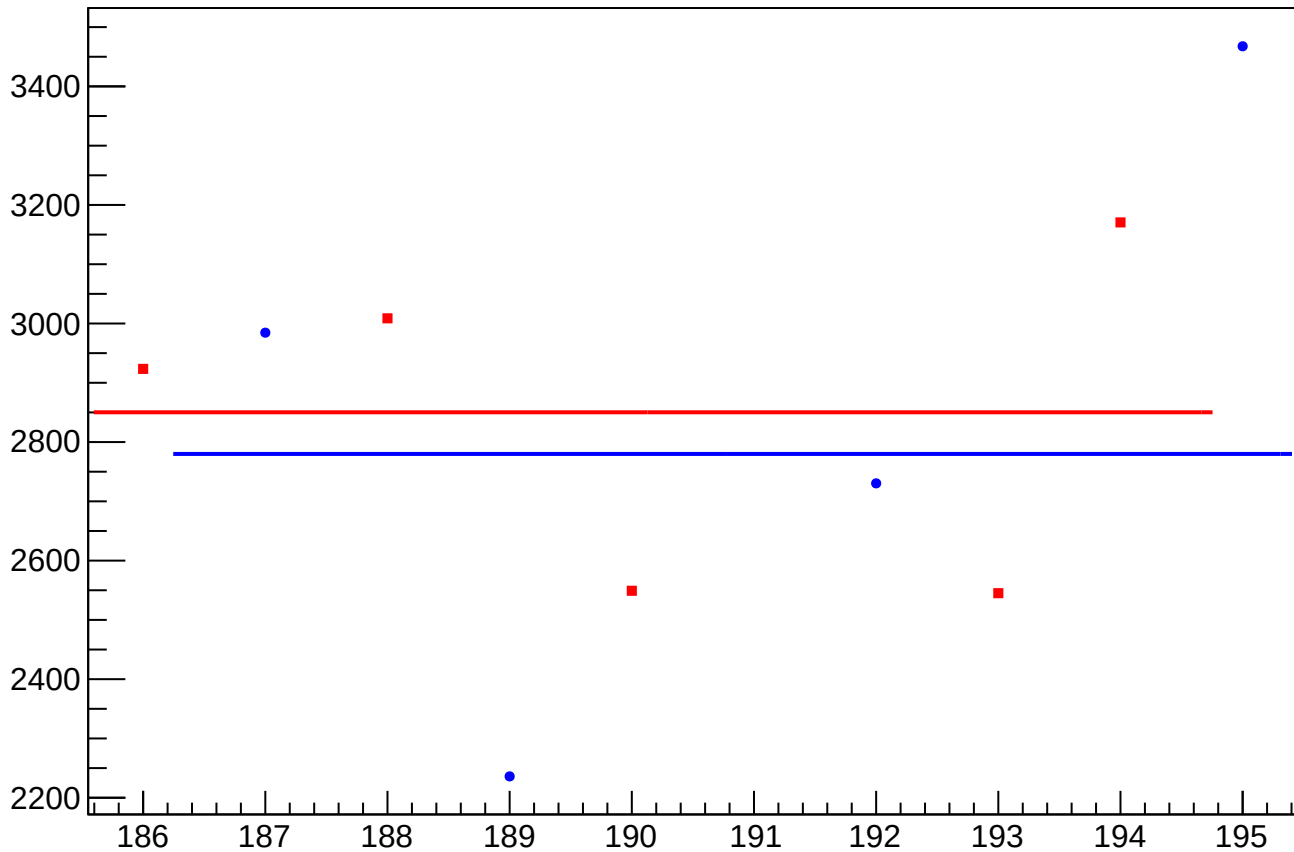
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1973.230+/-1282.377  $\chi^2/\text{NDF}$ : 5.5/8

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

# asym\_usr\_correction\_rms vs Slug



Right In: 2779.969 $\pm$ 1.471  $\chi^2$ /NDF: 118458.4/3

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

Right Out: 2850.218 $\pm$ 1.151  $\chi^2$ /NDF: 50504.3/4

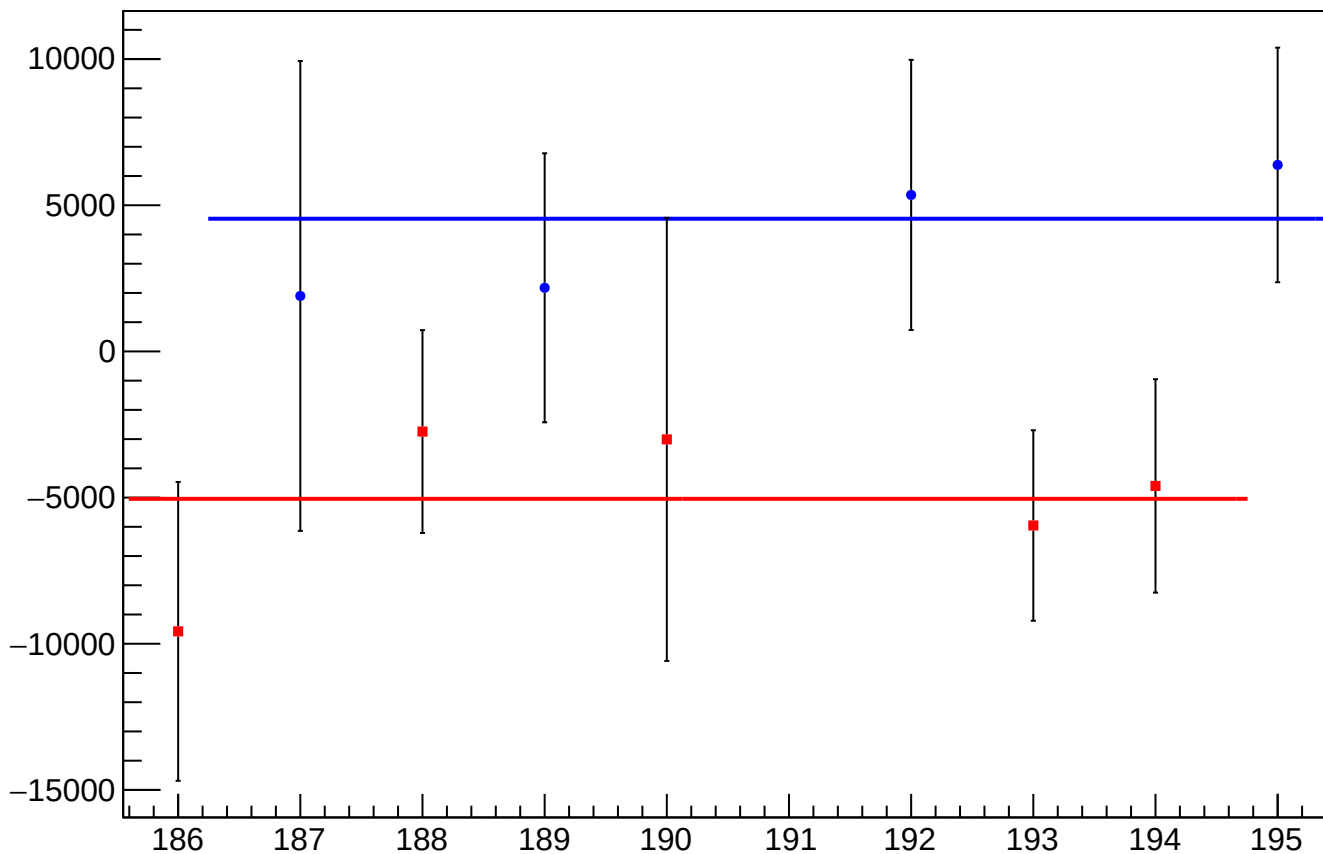
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2823.533 $\pm$ 0.907  $\chi^2$ /NDF: 170376.6/8

- 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: -5042.166 $\pm$ 1801.899  $\chi^2$ /NDF: 1.4/4

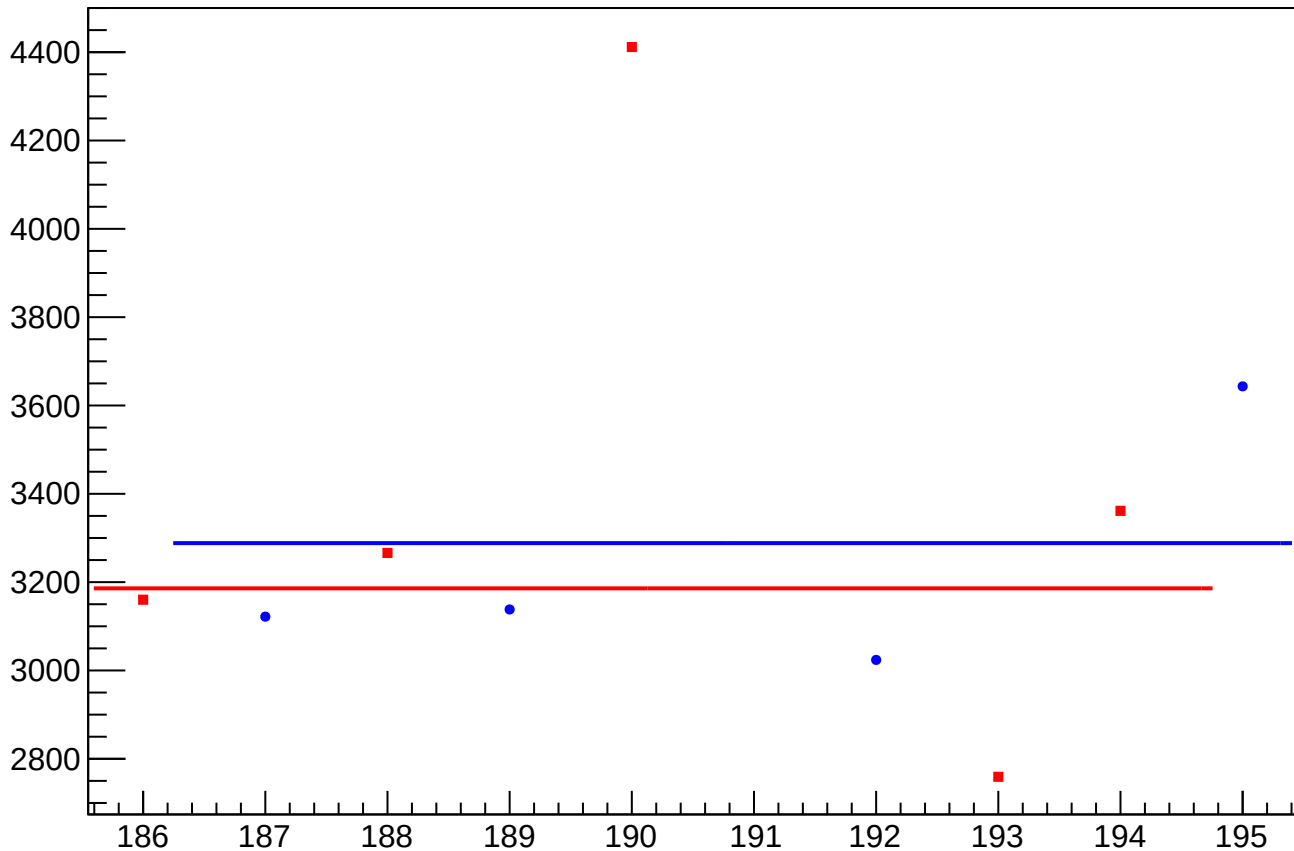
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -1612.693 $\pm$ 1443.843  $\chi^2$ /NDF: 12.1/8

- 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: 3185.954+/-1.274  $\chi^2/\text{NDF}$ : 92354.0/4

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

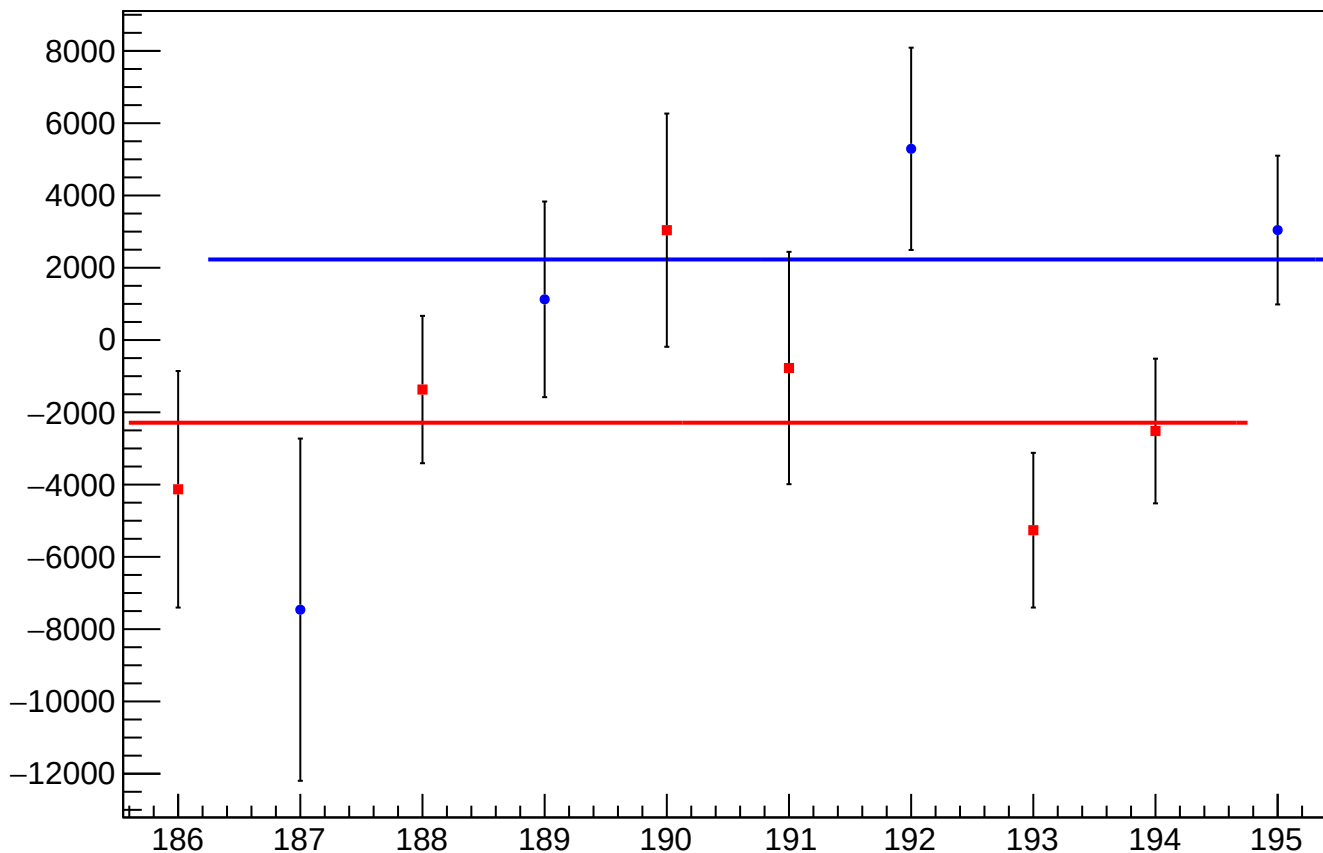
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3222.609+/-1.021  $\chi^2/\text{NDF}$ : 119871.4/8

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



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



Right In: 2229.542 $\pm$ 1354.781  $\chi^2$ /NDF: 5.7/3

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

Right Out: -2287.395 $\pm$ 1002.708  $\chi^2$ /NDF: 5.4/5

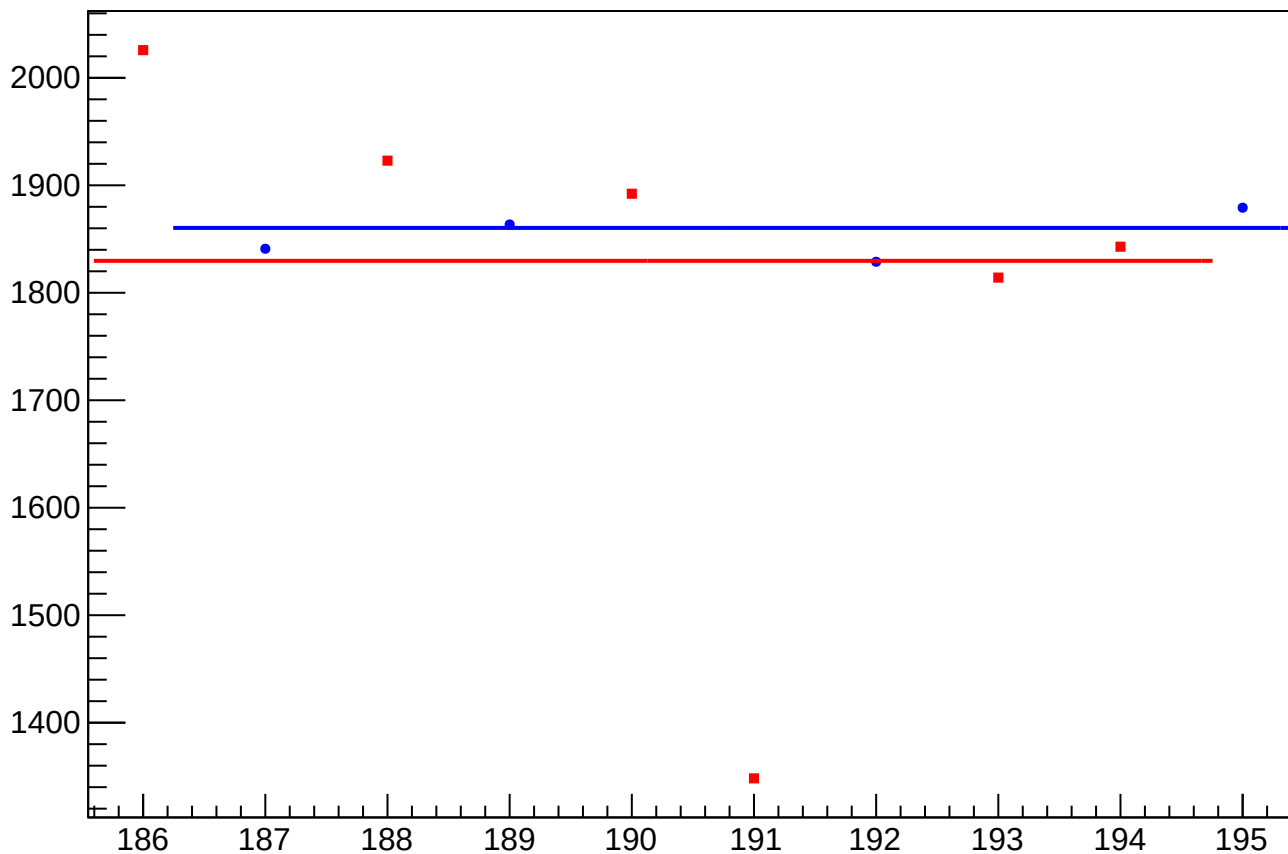
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -688.779 $\pm$ 805.970  $\chi^2$ /NDF: 18.3/9

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

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



Right In: 1860.350 $\pm$ 0.958  $\chi^2$ /NDF: 456.6/3

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

Right Out: 1829.730 $\pm$ 0.709  $\chi^2$ /NDF: 57178.2/5

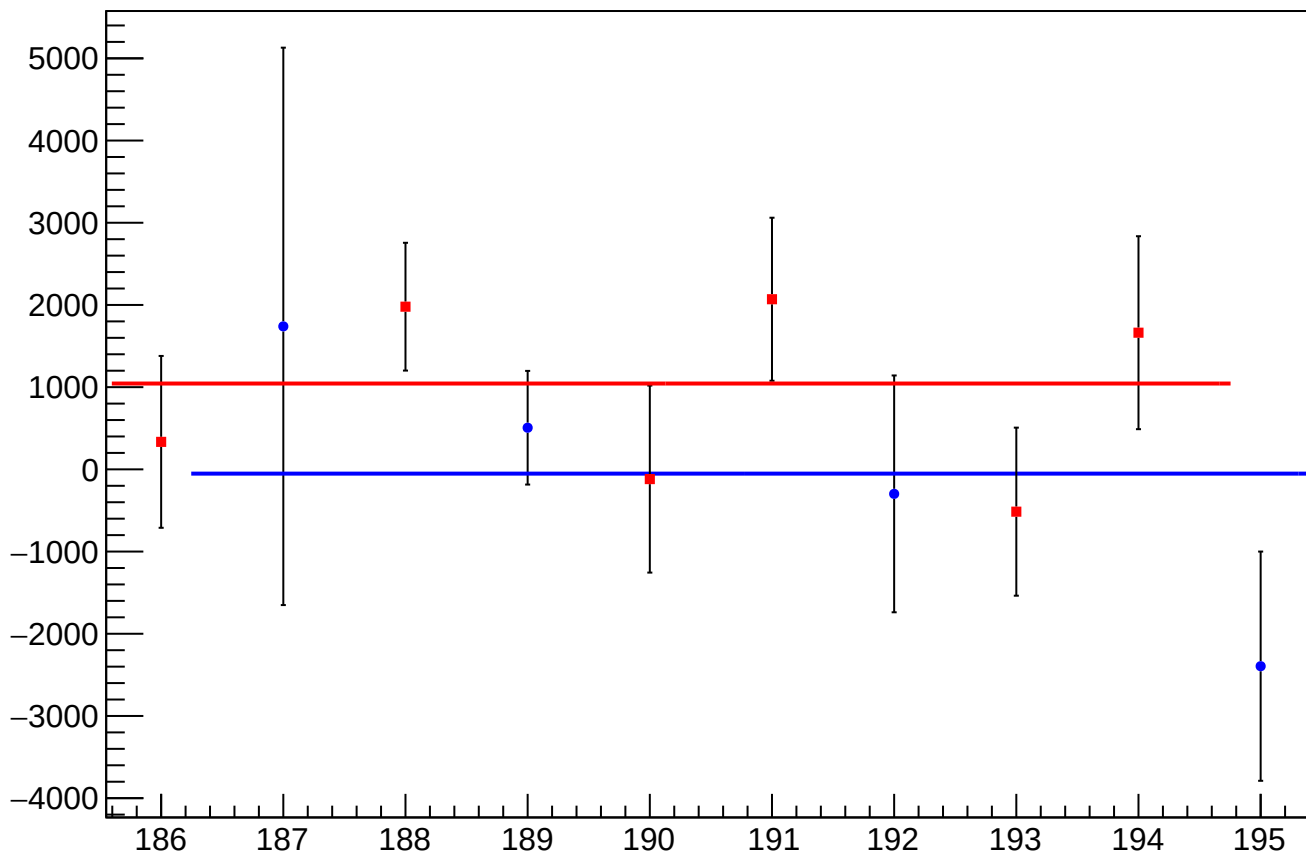
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1840.567 $\pm$ 0.570  $\chi^2$ /NDF: 58294.8/9

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

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



Right In: -51.910 $\pm$ 561.208  $\chi^2$ /NDF: 3.8/3

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

Right Out: 1044.065 $\pm$ 406.782  $\chi^2$ /NDF: 6.6/5

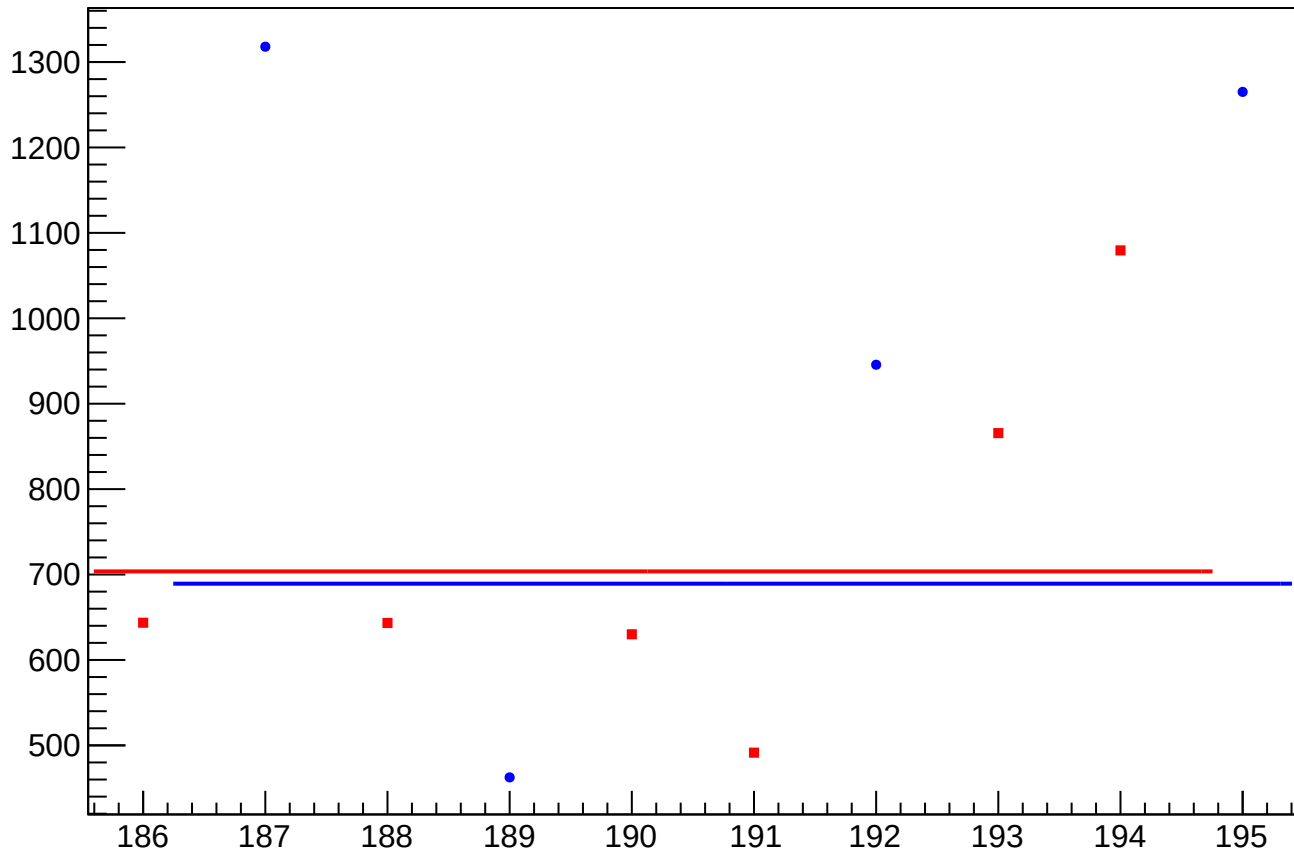
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 666.582 $\pm$ 329.361  $\chi^2$ /NDF: 12.9/9

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

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



Right In: 689.304 $\pm$ 0.397  $\chi^2$ /NDF: 688260.5/3

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

Right Out: 703.674 $\pm$ 0.288  $\chi^2$ /NDF: 373898.4/5

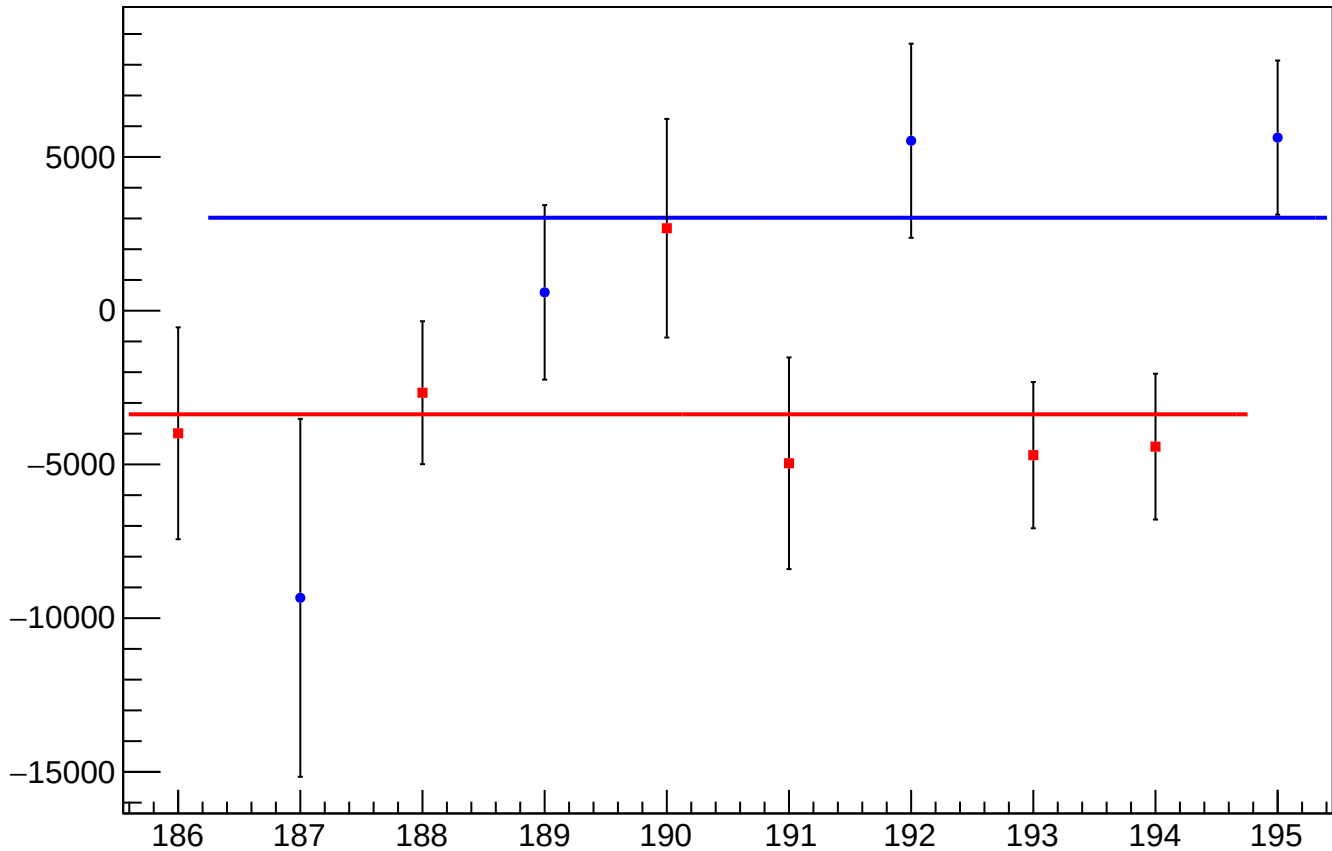
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 698.725 $\pm$ 0.233  $\chi^2$ /NDF: 1063018.6/9

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

# asym\_at1\_avg\_mean vs Slug



Right In: 3023.415+/-1555.812  $\chi^2/\text{NDF}$ : 7.0/3

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

Right Out: -3369.736+/-1126.938  $\chi^2/\text{NDF}$ : 3.7/5

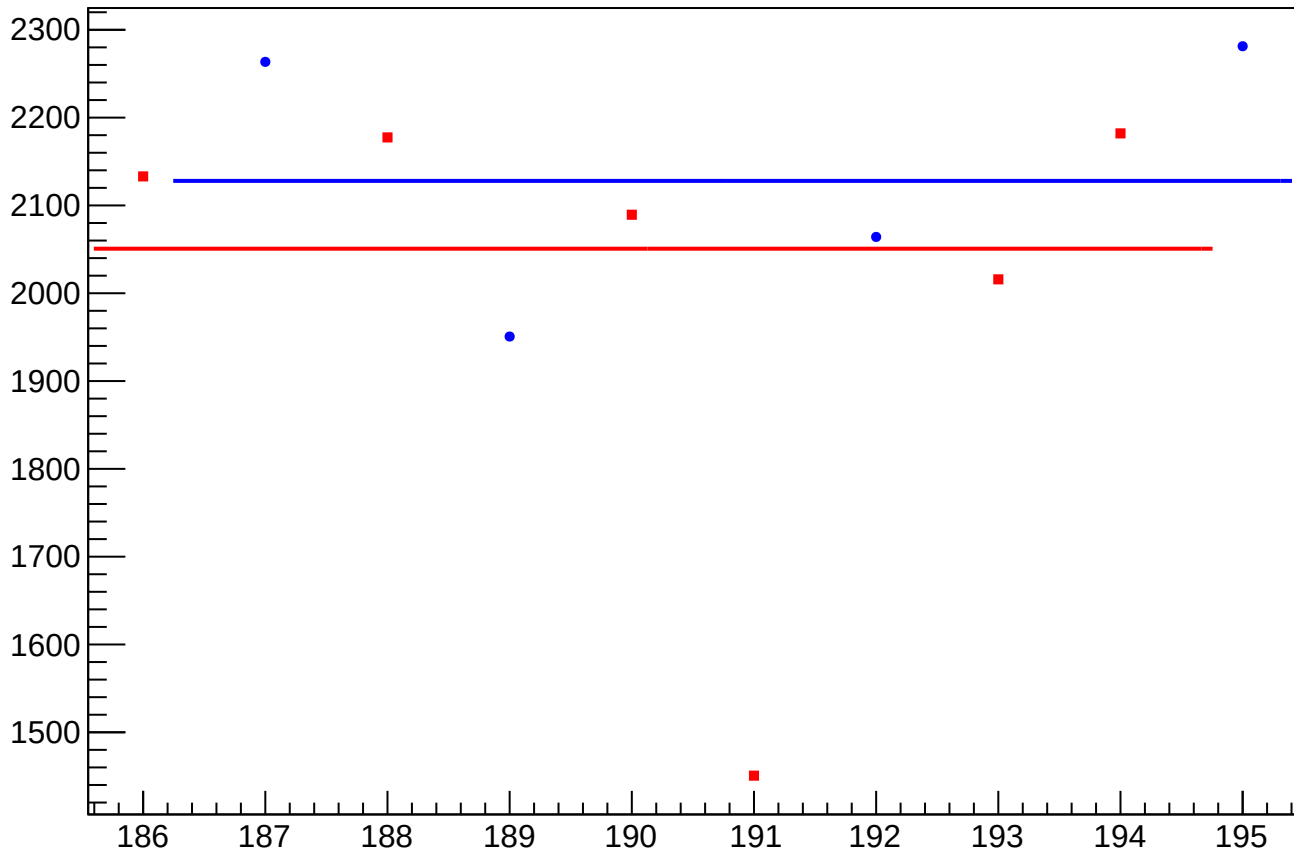
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -1169.725+/-912.667  $\chi^2/\text{NDF}$ : 21.8/9

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

# asym\_at1\_avg\_rms vs Slug



Right In: 2127.953 $\pm$ 1.100  $\chi^2$ /NDF: 17189.5/3

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

Right Out: 2050.733 $\pm$ 0.797  $\chi^2$ /NDF: 74666.7/5

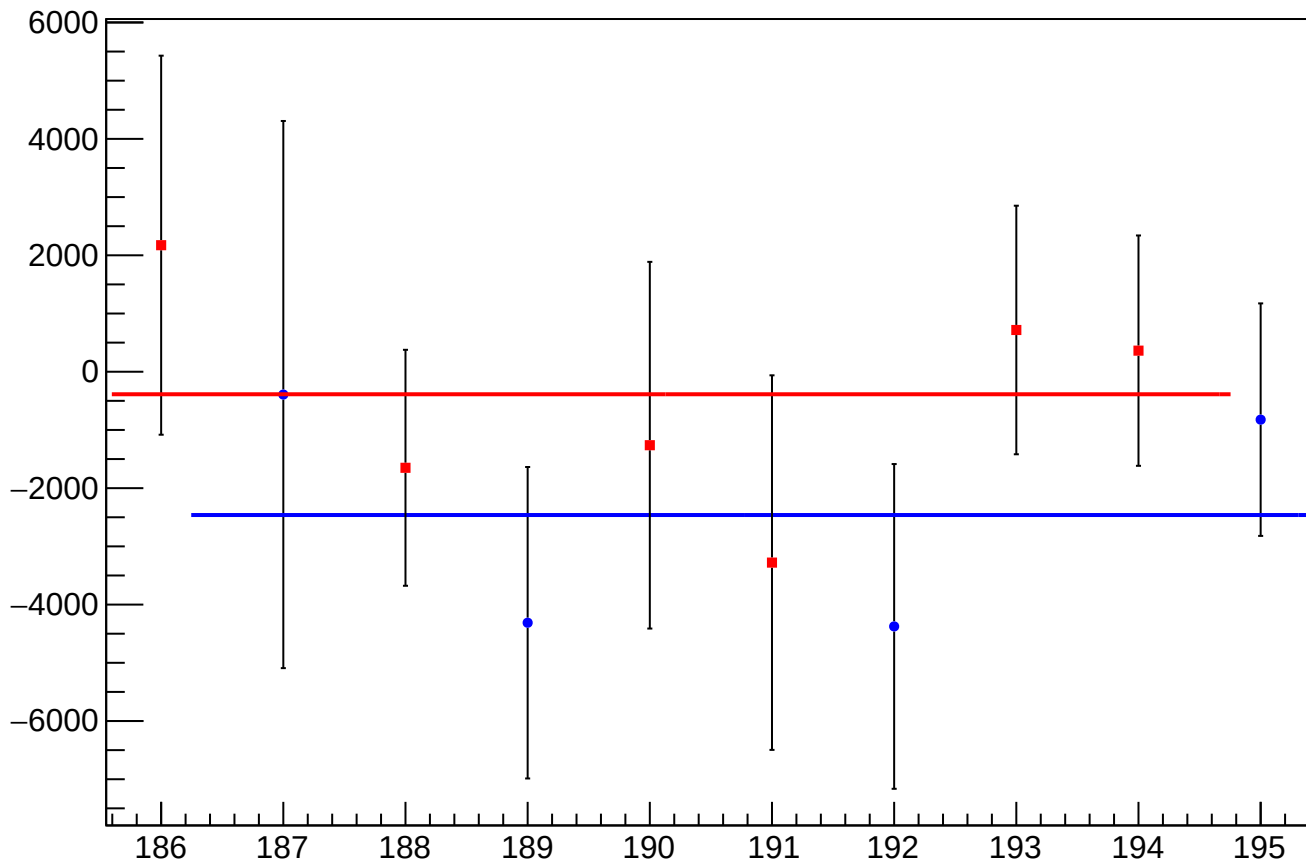
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2077.306 $\pm$ 0.645  $\chi^2$ /NDF: 95087.7/9

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

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



Right In: -2461.371+/-1331.221  $\chi^2/\text{NDF}$ : 1.8/3

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

Right Out: -386.909+/-994.997  $\chi^2/\text{NDF}$ : 2.3/5

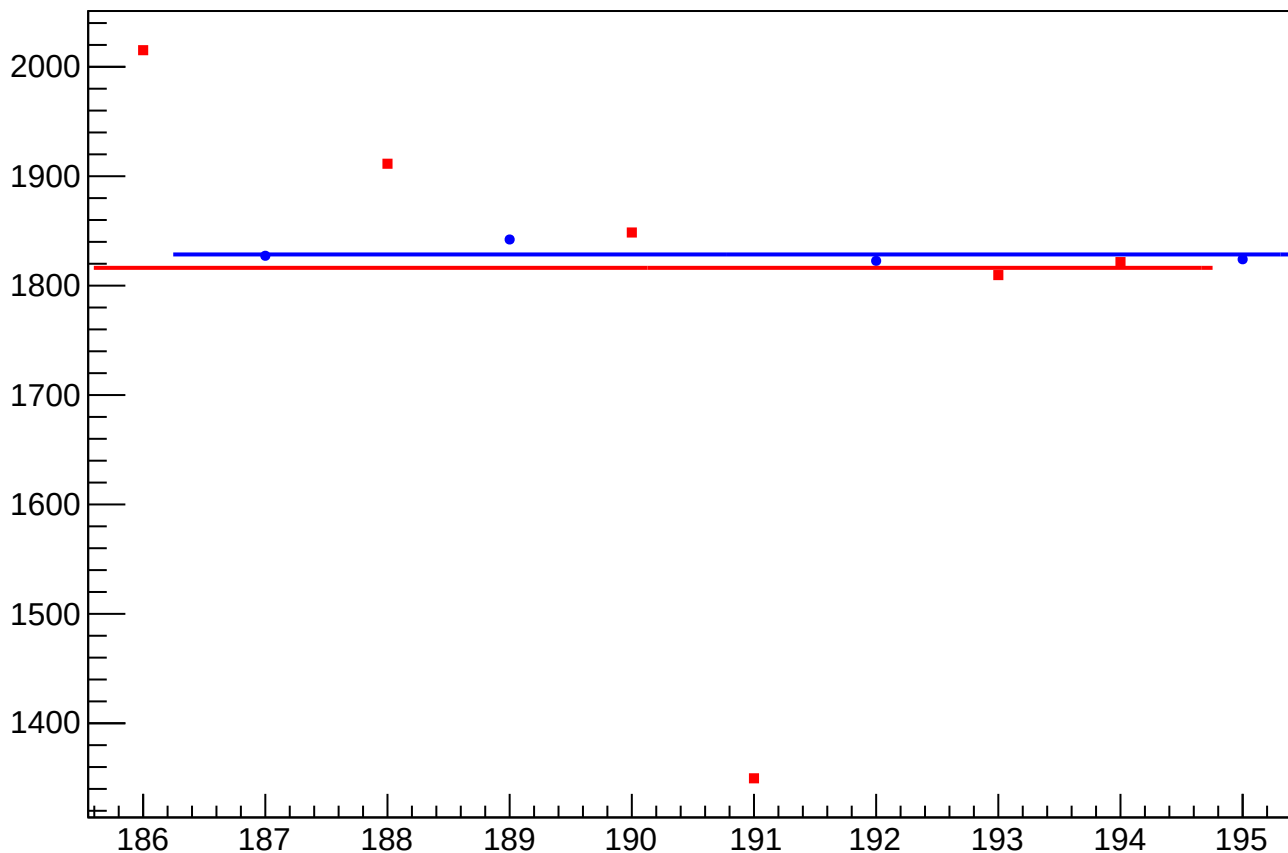
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -1130.440+/-796.979  $\chi^2/\text{NDF}$ : 5.7/9

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

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



Right In: 1828.506 $\pm$ 0.941  $\chi^2$ /NDF: 70.9/3

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

Right Out: 1816.266 $\pm$ 0.704  $\chi^2$ /NDF: 54184.8/5

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

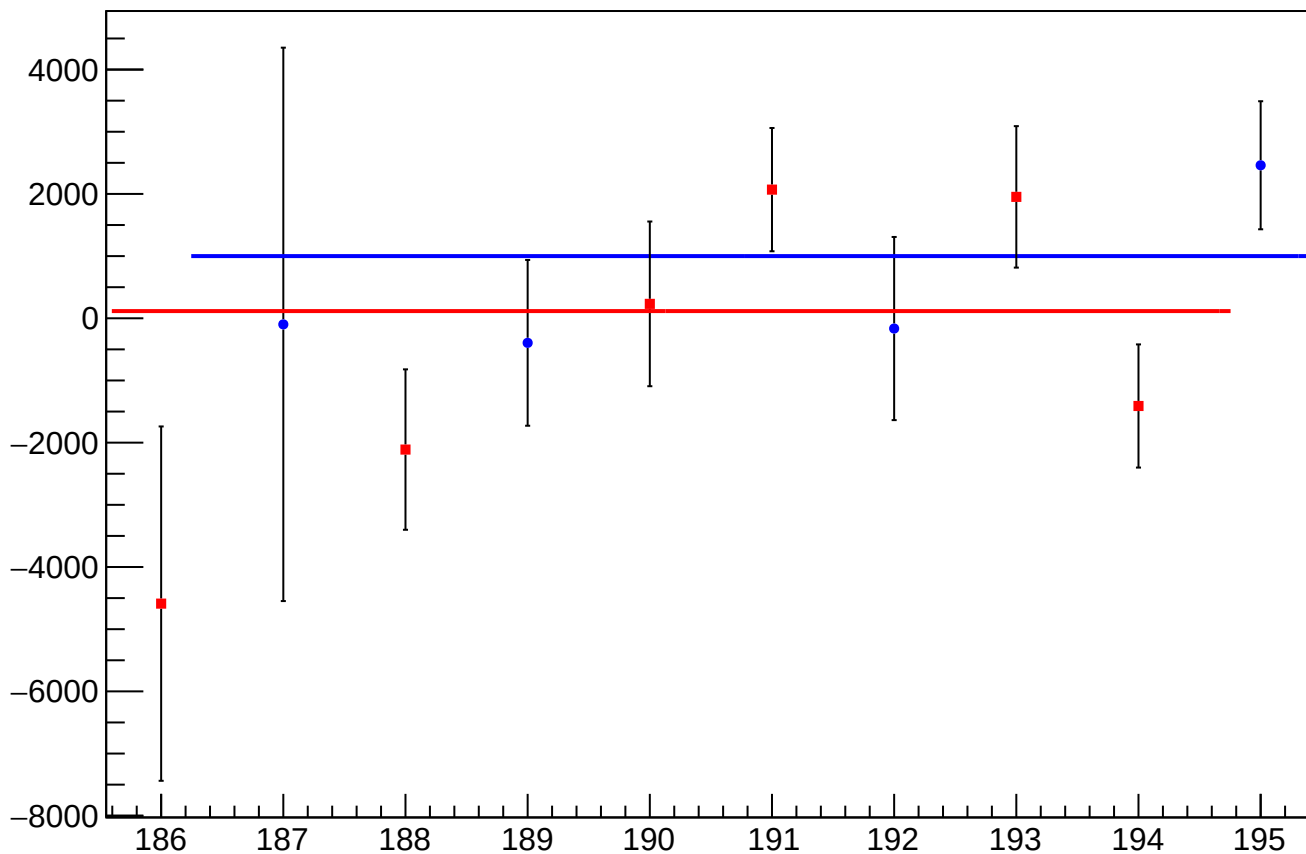
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1820.653 $\pm$ 0.564  $\chi^2$ /NDF: 54364.1/9

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



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



Right In: 1000.167 $\pm$ 704.057  $\chi^2$ /NDF: 3.8/3

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

Right Out: 115.825 $\pm$ 493.618  $\chi^2$ /NDF: 14.6/5

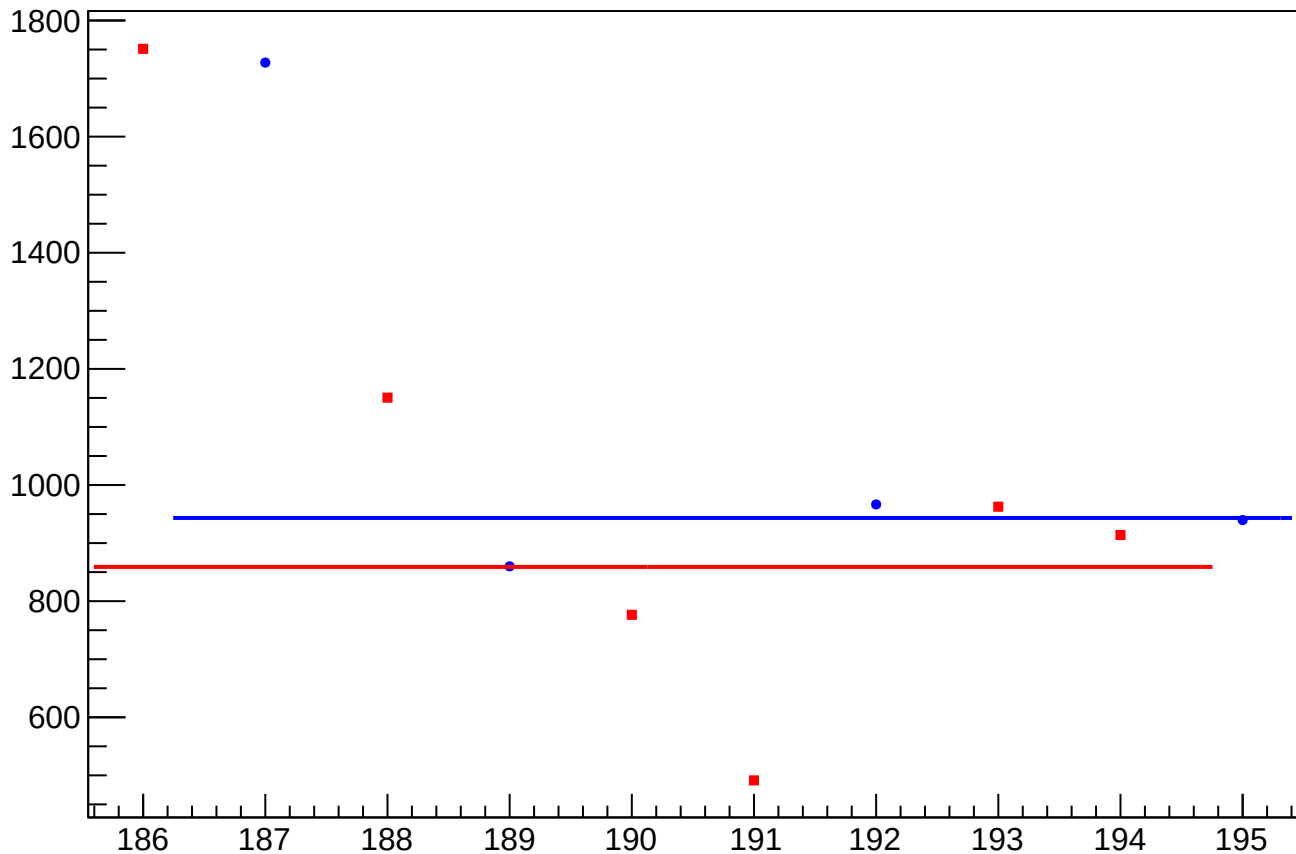
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 407.265 $\pm$ 404.178  $\chi^2$ /NDF: 19.4/9

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

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



Right In: 943.333+/-0.498  $\chi^2/\text{NDF}$ : 70447.4/3

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

Right Out: 858.997+/-0.349  $\chi^2/\text{NDF}$ : 603876.8/5

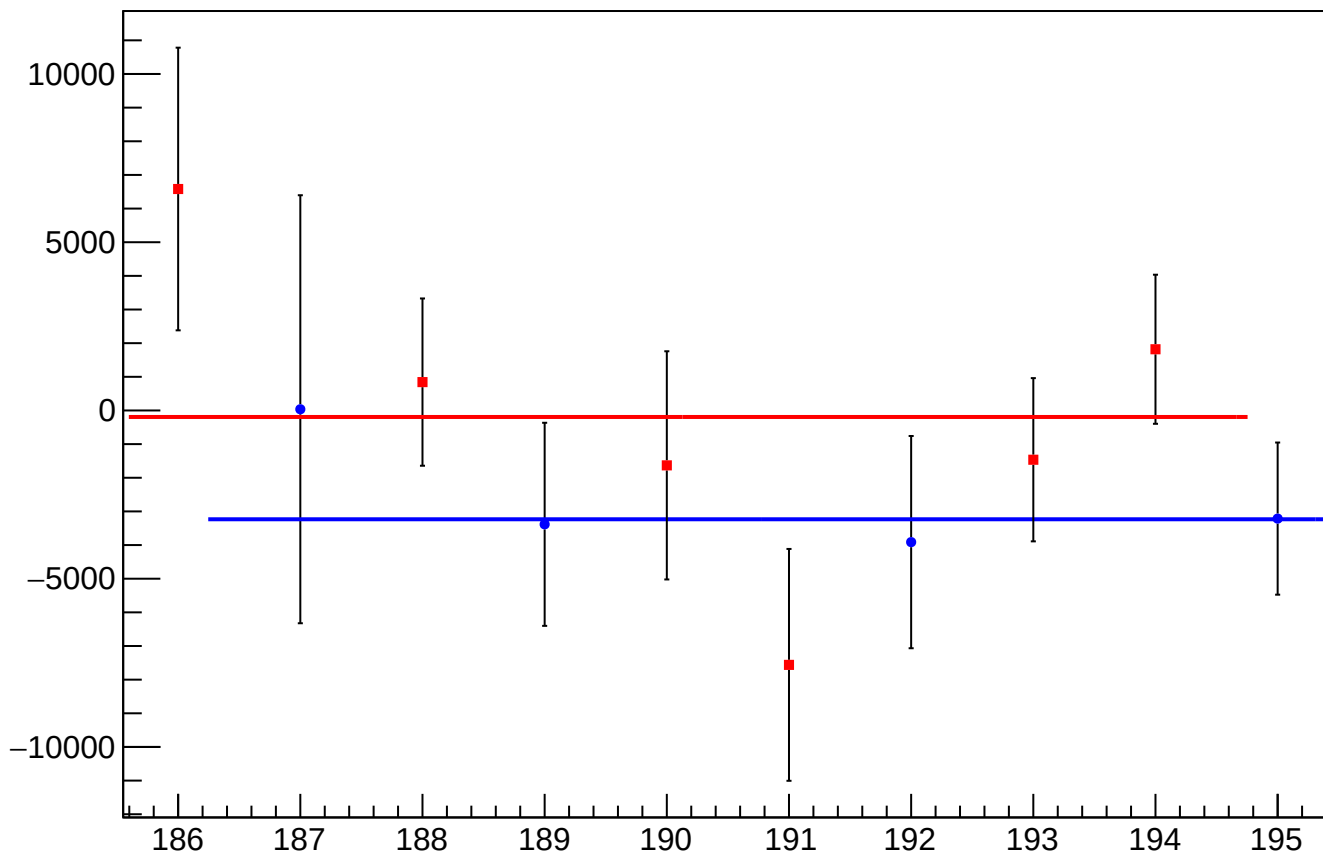
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 886.790+/-0.286  $\chi^2/\text{NDF}$ : 693564.1/9

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

# asym\_at1\_dd\_mean vs Slug



Right In: -3233.741+/-1523.753  $\chi^2/\text{NDF}$ : 0.3/3

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

Right Out: -193.427+/-1144.466  $\chi^2/\text{NDF}$ : 8.6/5

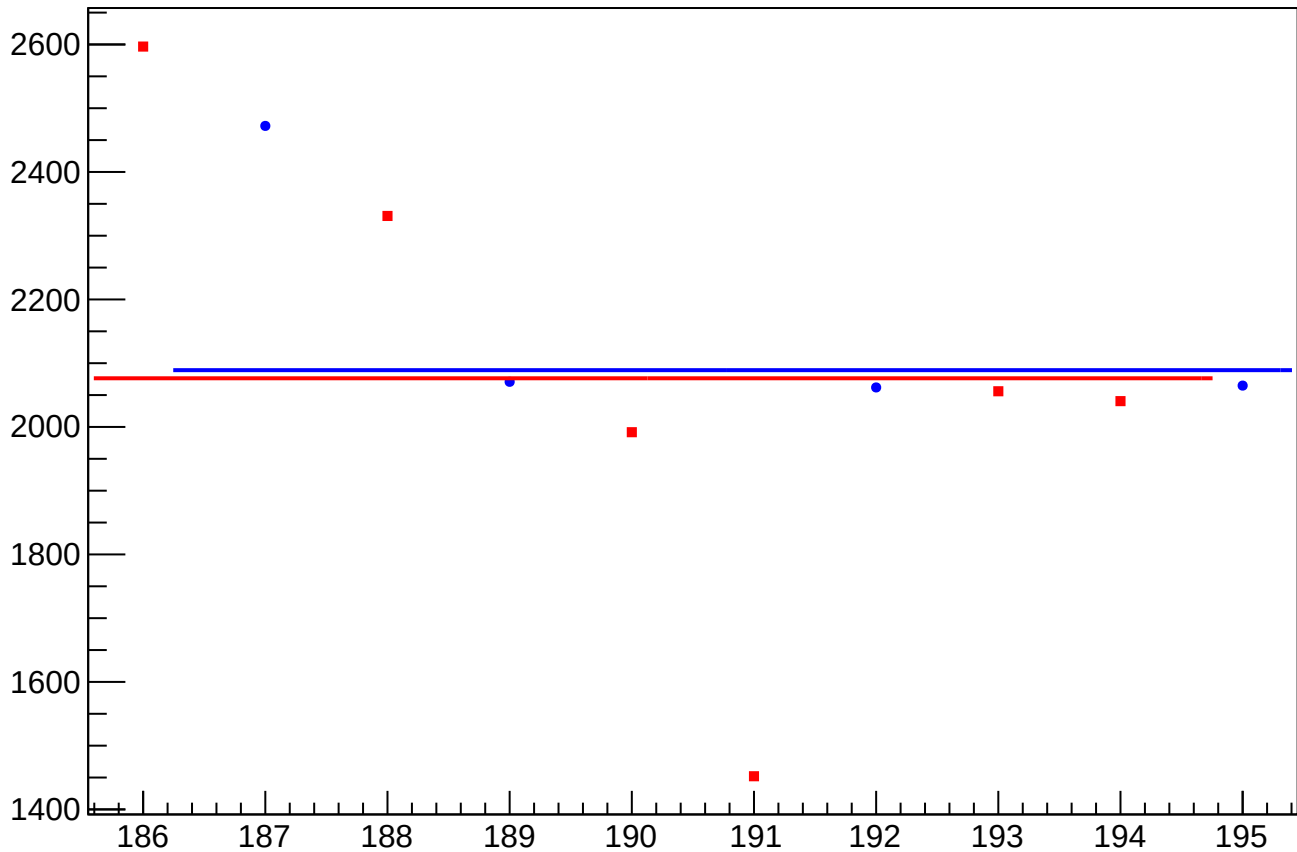
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -1289.963+/-915.097  $\chi^2/\text{NDF}$ : 11.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 2076.323 $\pm$ 0.809  $\chi^2$ /NDF: 119276.7/5

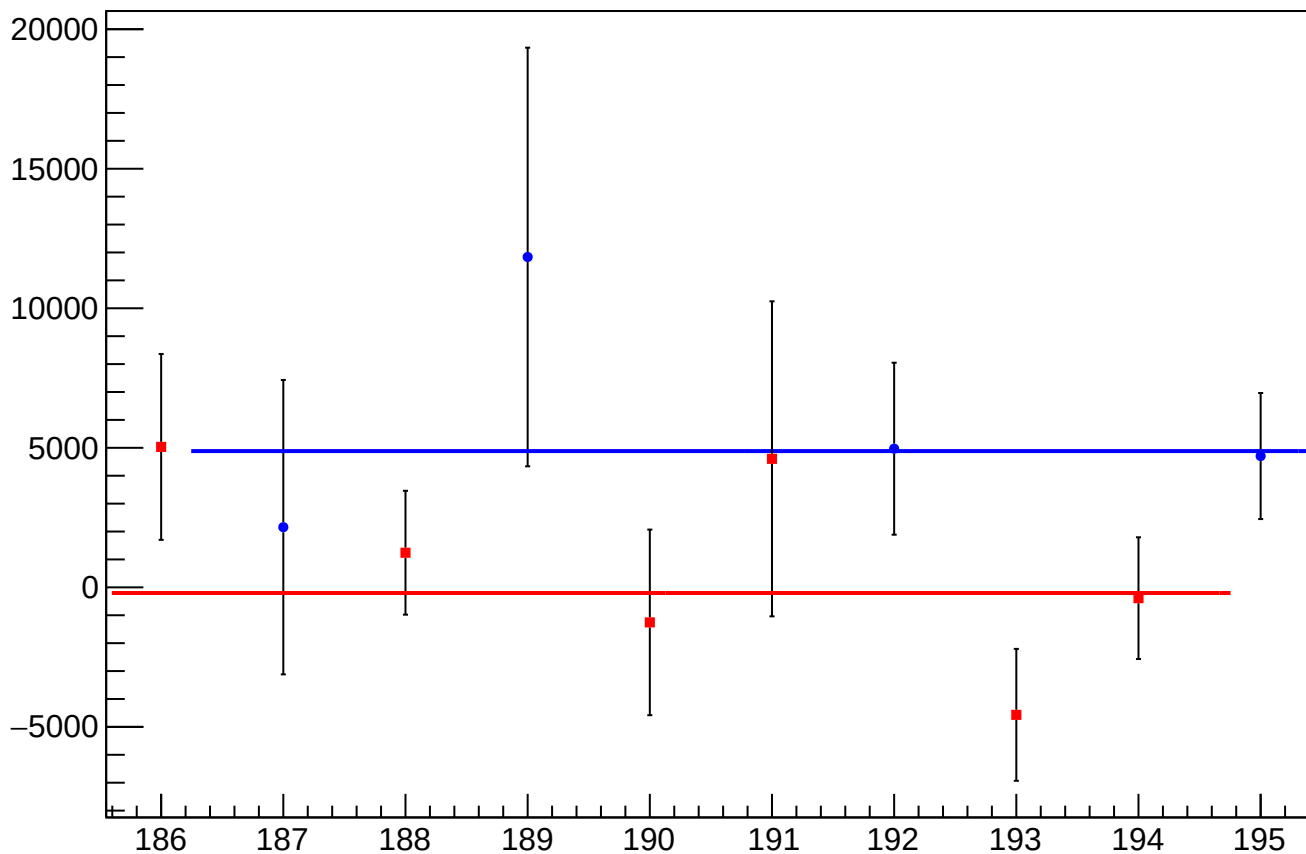
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2080.923 $\pm$ 0.647  $\chi^2$ /NDF: 127076.4/9

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

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



Right In: 4882.416 $\pm$ 1678.308  $\chi^2$ /NDF: 1.1/3

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

Right Out: -202.442 $\pm$ 1115.115  $\chi^2$ /NDF: 7.1/5

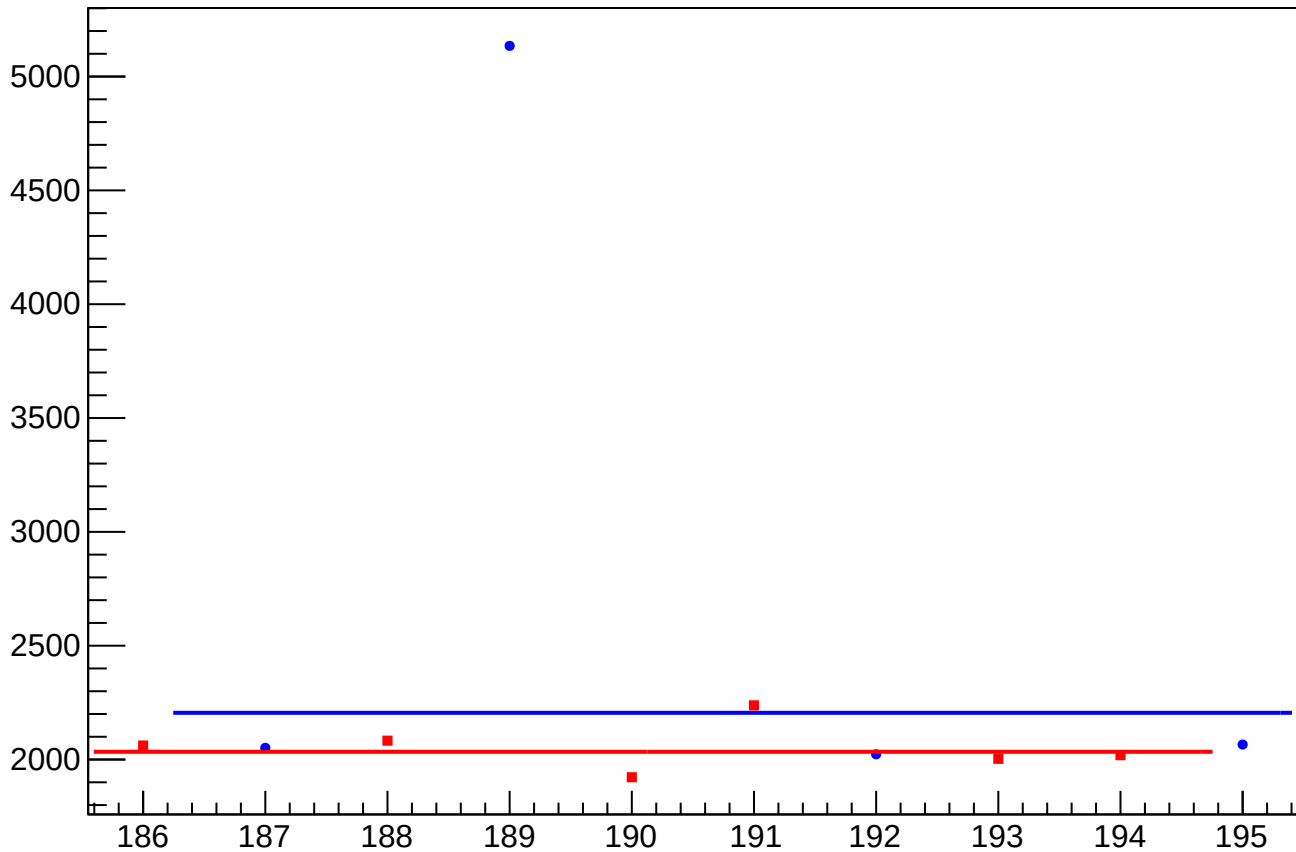
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1354.854 $\pm$ 928.790  $\chi^2$ /NDF: 14.6/9

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

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



Right In: 2205.263+/-1.187  $\chi^2/\text{NDF}$ : 321400.9/3

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

Right Out: 2034.065+/-0.789  $\chi^2/\text{NDF}$ : 6416.5/5

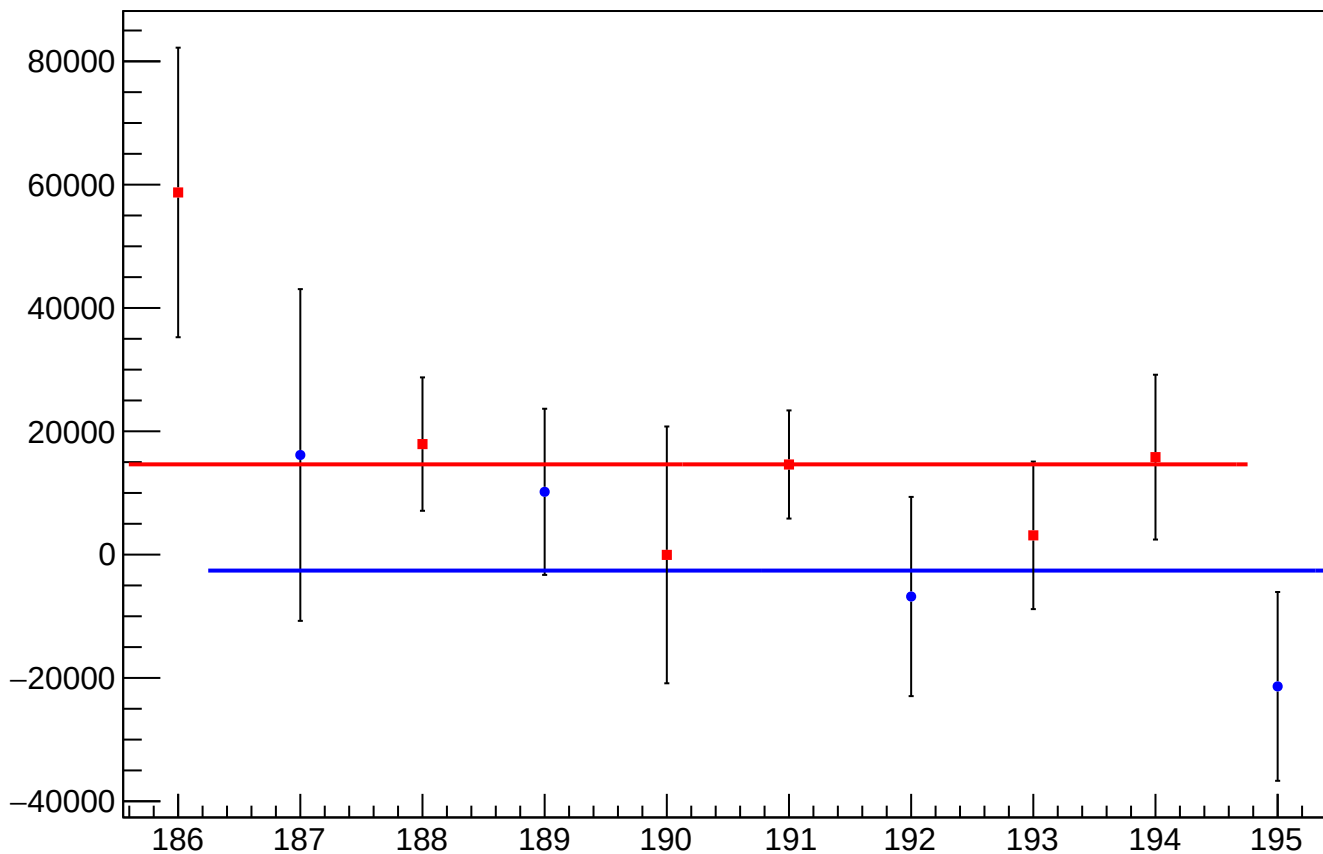
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2086.496+/-0.657  $\chi^2/\text{NDF}$ : 342254.5/9

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

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



Right In: -2588.831+/-8168.044  $\chi^2/\text{NDF}$ : 3.0/3

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

Right Out: 14638.663+/-5112.742  $\chi^2/\text{NDF}$ : 5.1/5

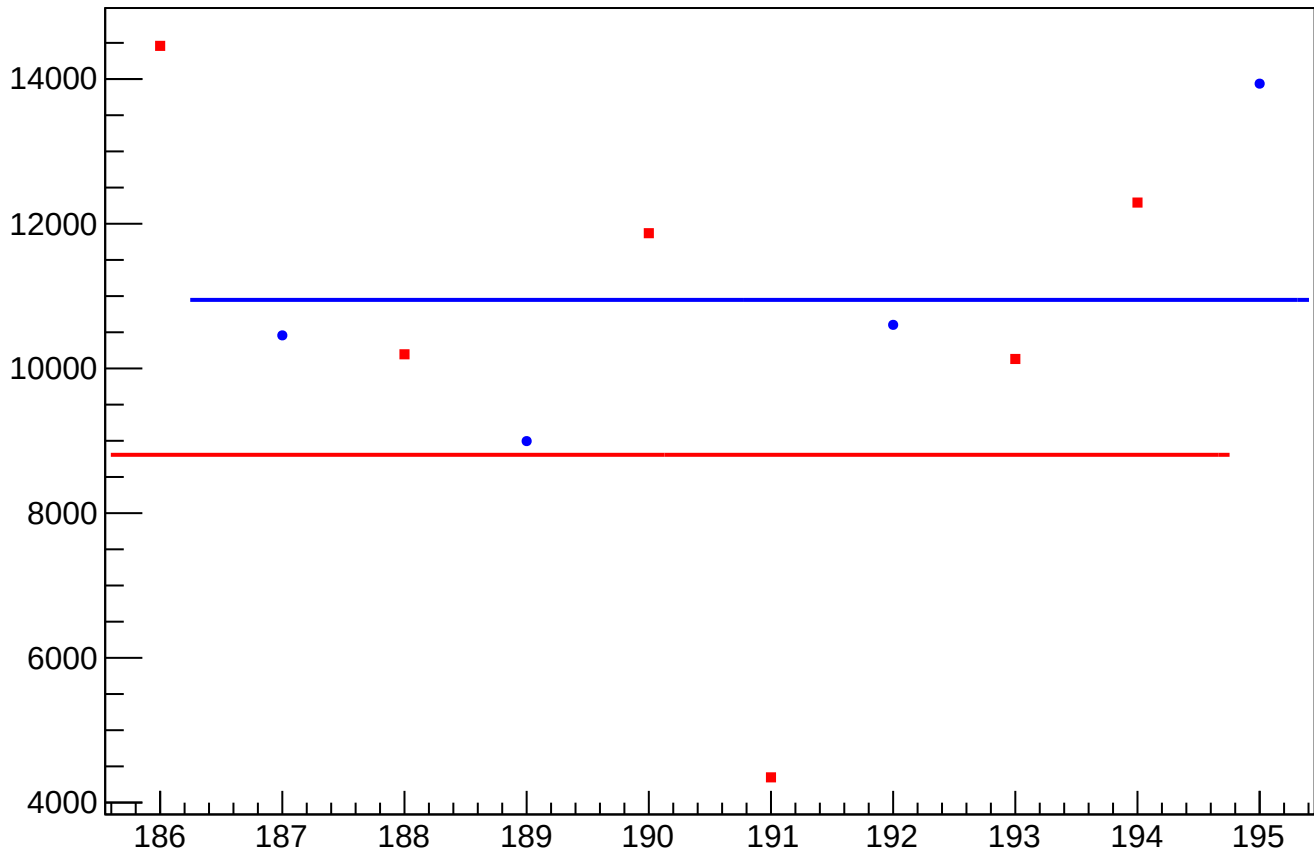
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 9788.963+/-4333.756  $\chi^2/\text{NDF}$ : 11.2/9

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

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



Right In: 10947.642 $\pm$ 5.776  $\chi^2$ /NDF: 119760.0/3

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

Right Out: 8806.384 $\pm$ 3.615  $\chi^2$ /NDF: 869589.7/5

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

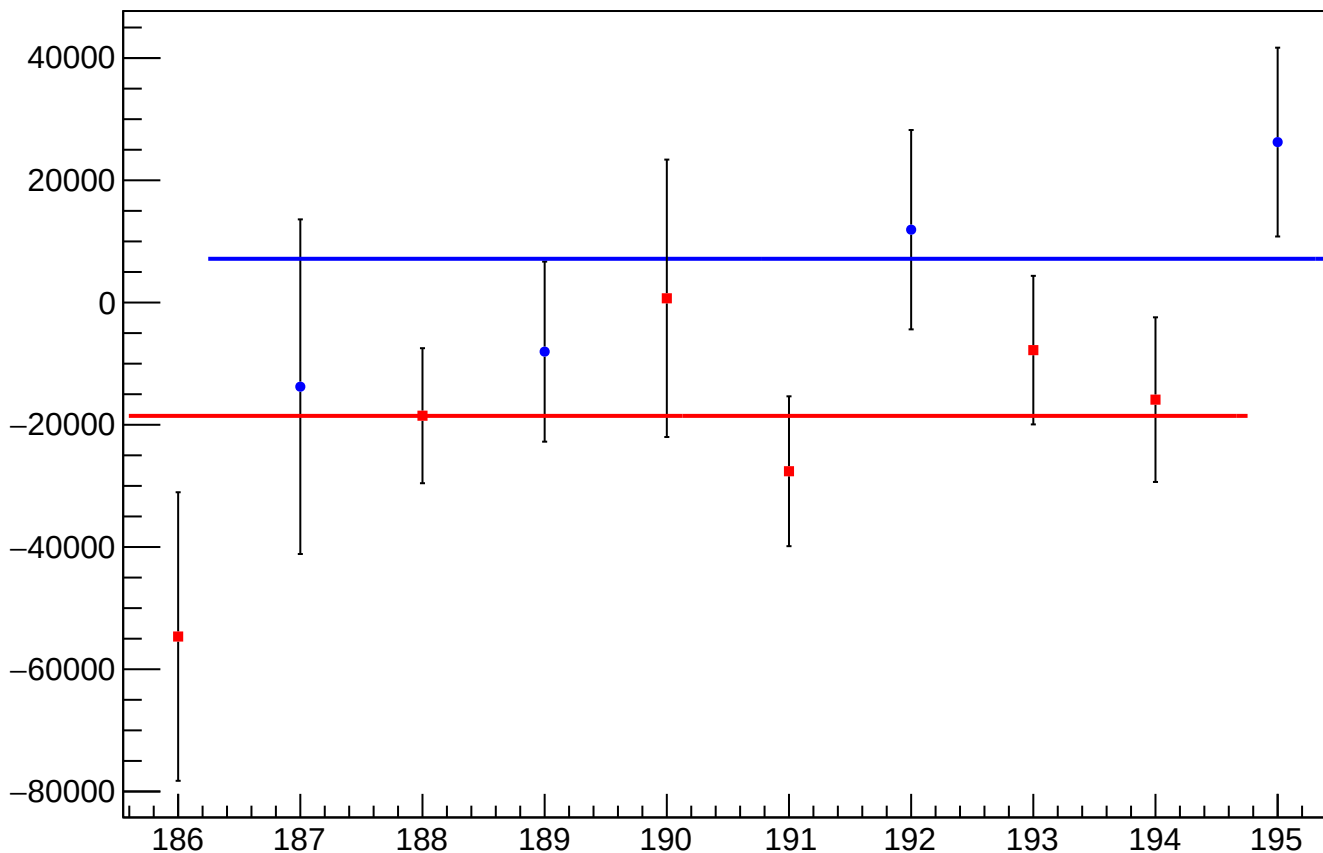
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 9409.168 $\pm$ 3.064  $\chi^2$ /NDF: 1088103.2/9

- 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: -18543.966 $\pm$ 5692.043  $\chi^2$ /NDF: 4.4/5

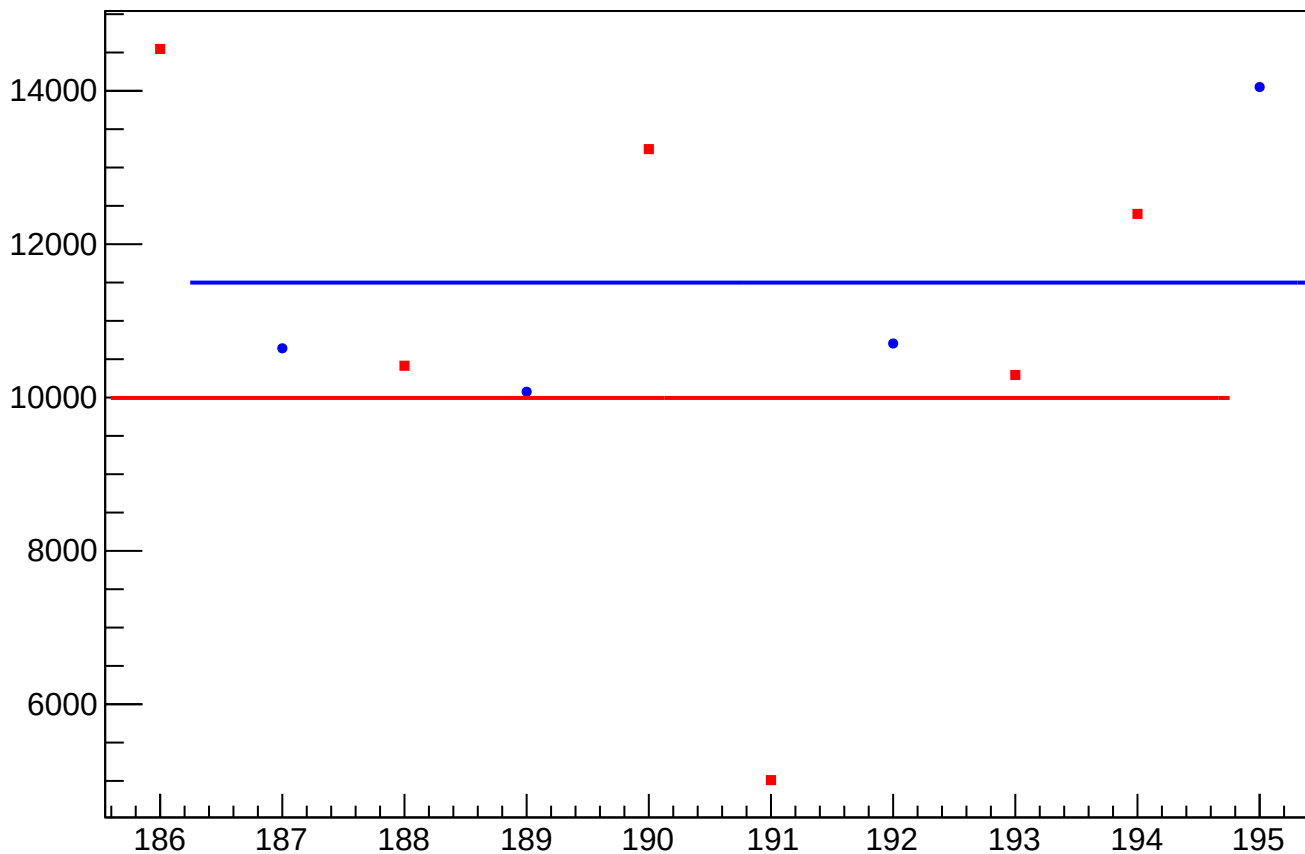
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -10565.968 $\pm$ 4726.798  $\chi^2$ /NDF: 14.0/9

- 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: 9994.719 $\pm$ 4.025  $\chi^2$ /NDF: 513512.2/5

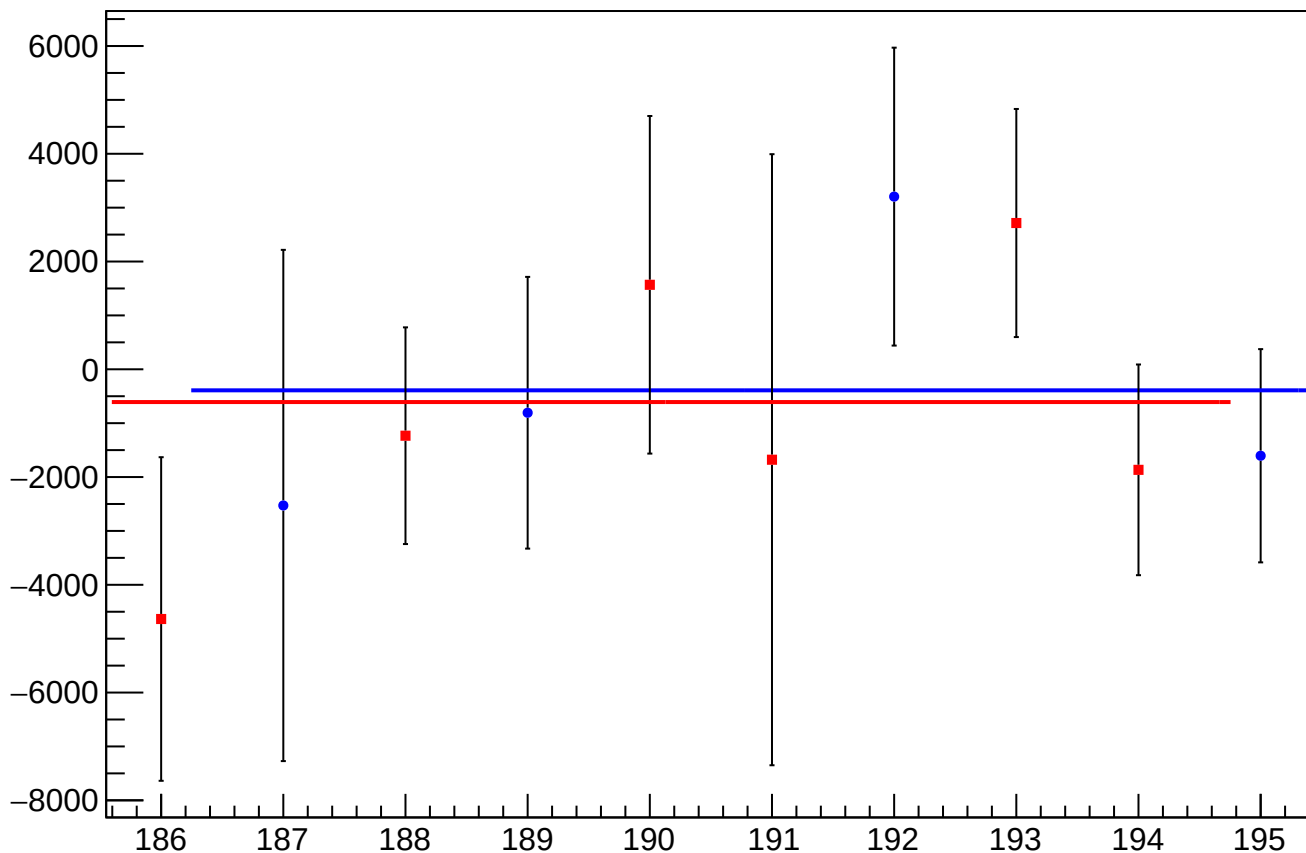
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 10461.669 $\pm$ 3.342  $\chi^2$ /NDF: 636774.0/9

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

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



Right In:  $-390.570 \pm 1304.247$   $\chi^2/\text{NDF}$ : 2.3/3

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

Right Out:  $-608.146 \pm 1012.281$   $\chi^2/\text{NDF}$ : 5.3/5

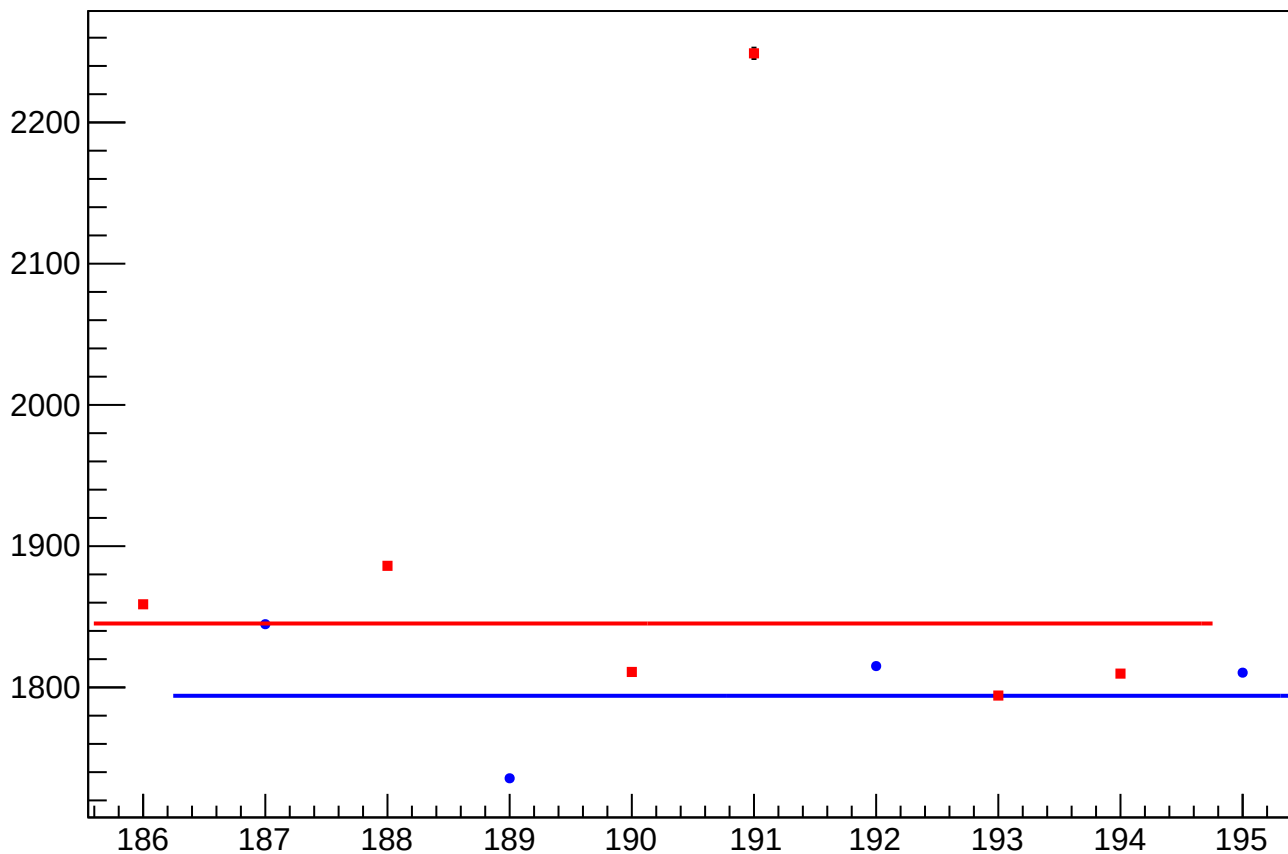
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-526.352 \pm 799.680$   $\chi^2/\text{NDF}$ : 7.6/9

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

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



Right In: 1794.068 $\pm$ 0.922  $\chi^2$ /NDF: 1553.9/3

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

Right Out: 1845.249 $\pm$ 0.716  $\chi^2$ /NDF: 13060.5/5

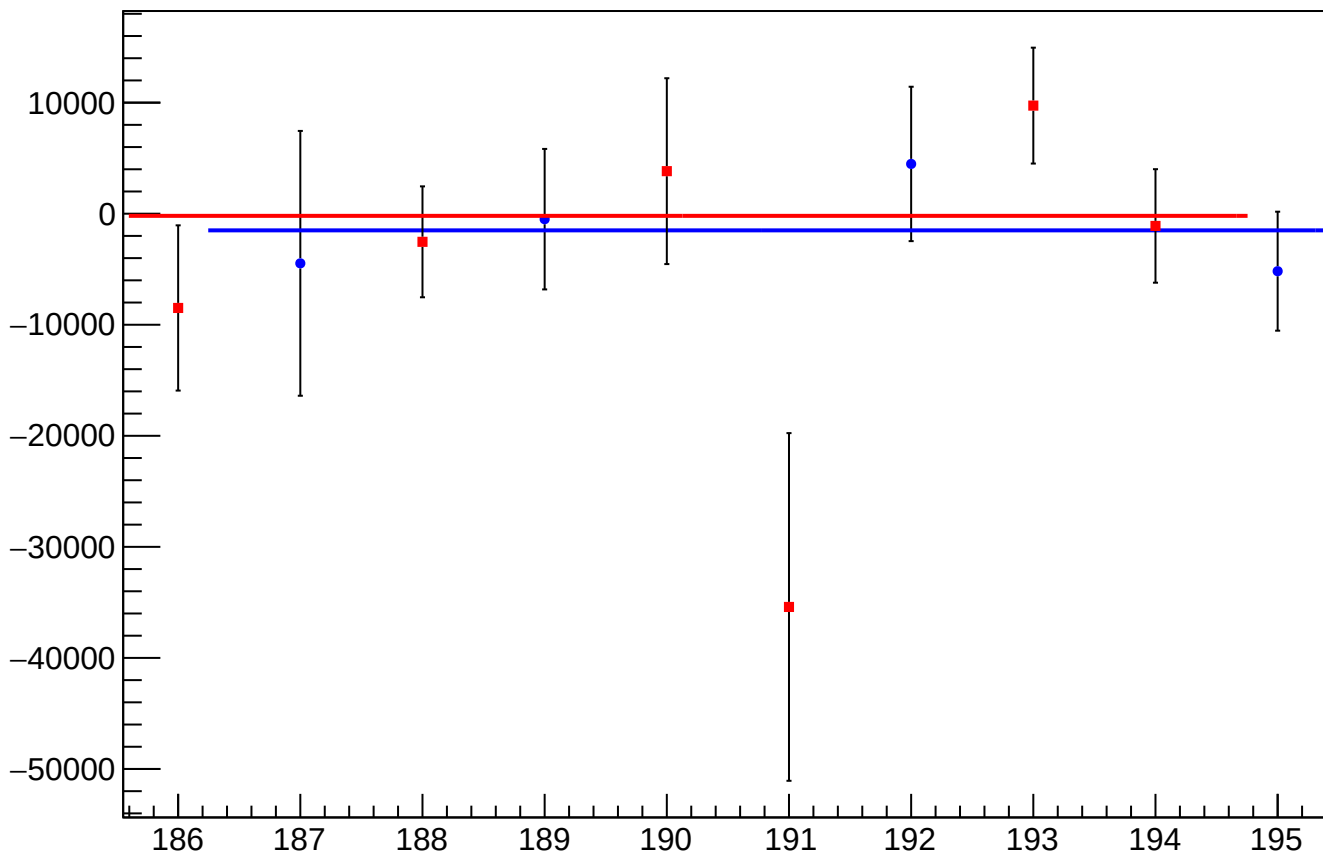
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1826.009 $\pm$ 0.565  $\chi^2$ /NDF: 16536.4/9

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

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



Right In: -1500.490+/-3379.392  $\chi^2$ /NDF: 1.3/3

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

Right Out: -193.957+/-2568.841  $\chi^2$ /NDF: 10.4/5

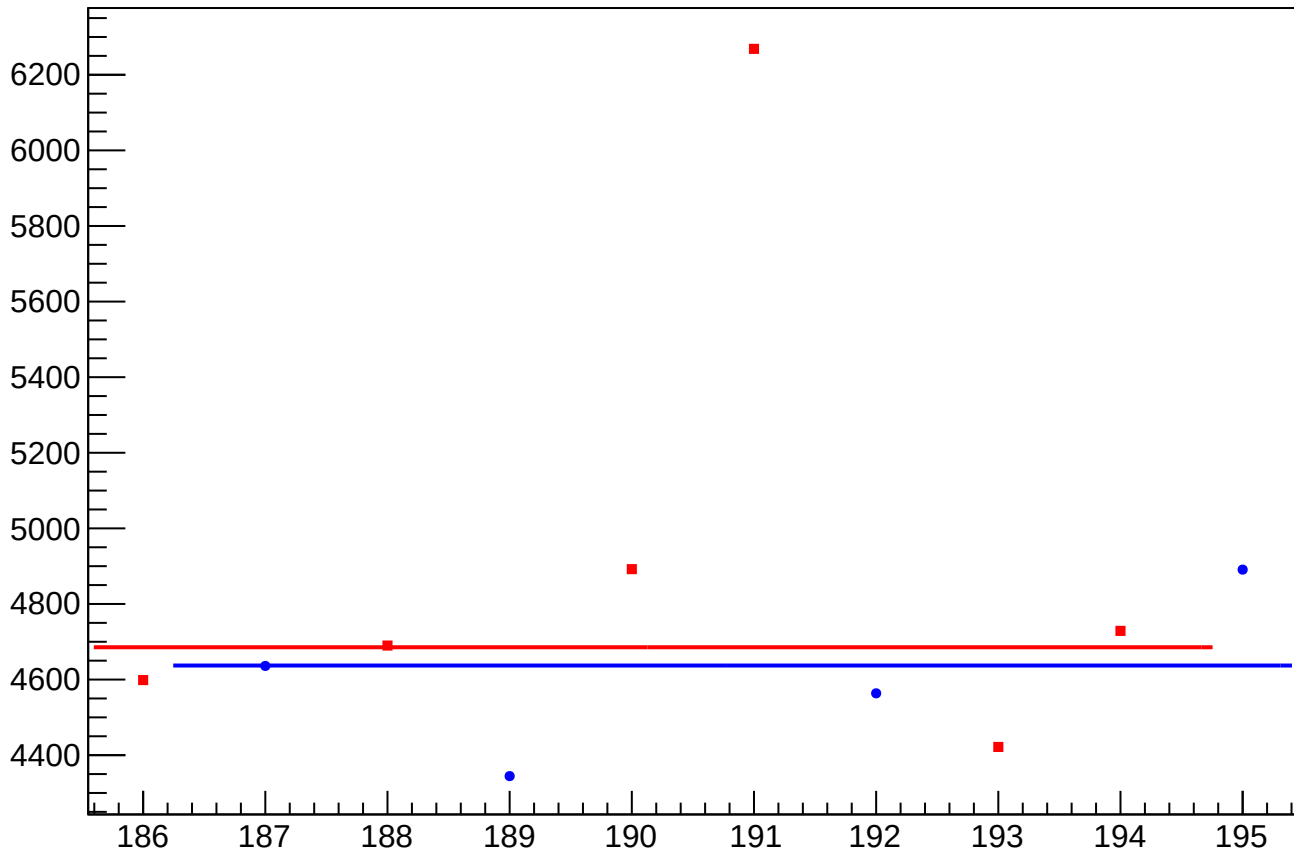
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

All: -672.431+/-2045.067  $\chi^2$ /NDF: 11.8/9

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

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



Right In: 4637.153 $\pm$ 2.390  $\chi^2$ /NDF: 8988.1/3

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

Right Out: 4685.484 $\pm$ 1.816  $\chi^2$ /NDF: 27213.4/5

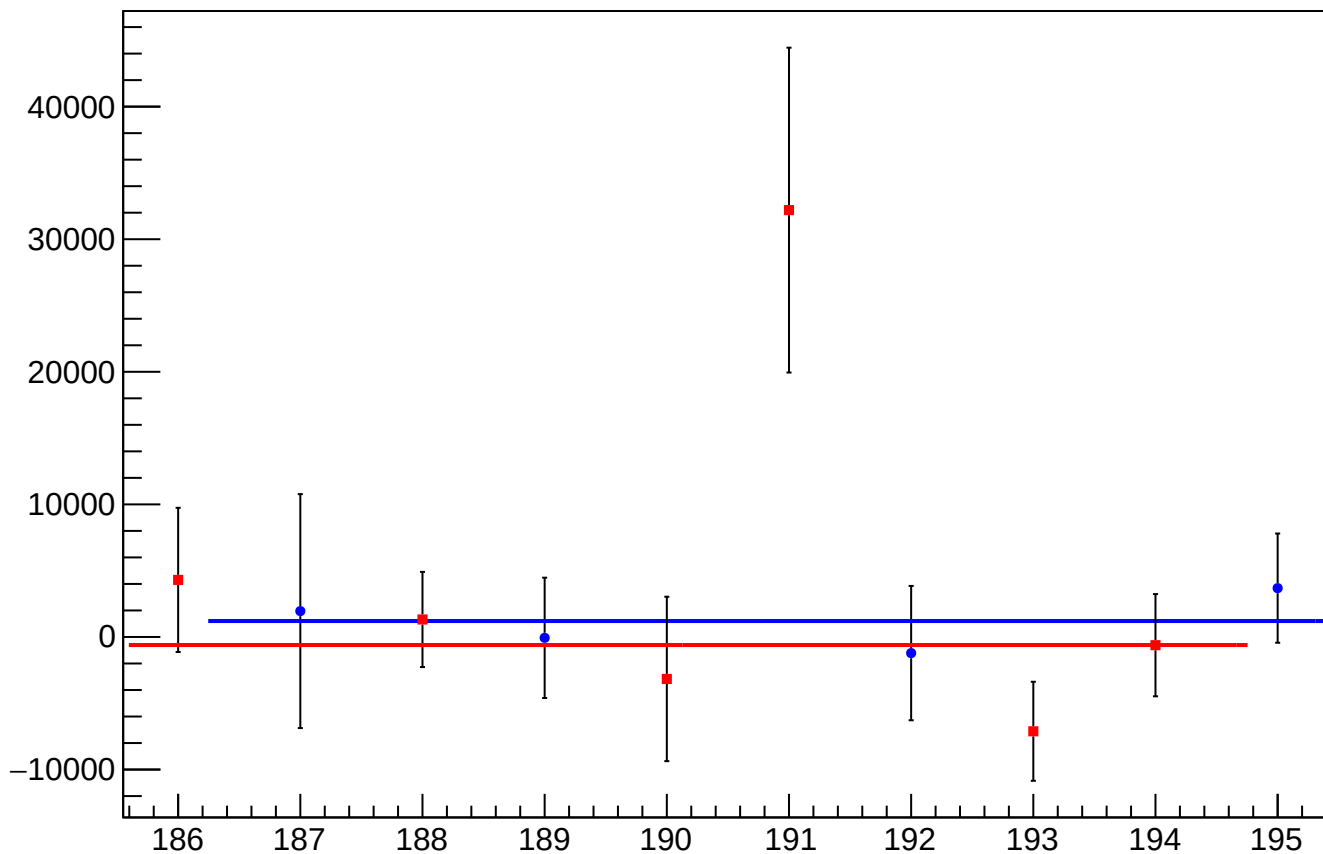
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 4667.785 $\pm$ 1.446  $\chi^2$ /NDF: 36460.7/9

- 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: -606.411 $\pm$ 1879.190  $\chi^2$ /NDF: 11.5/5

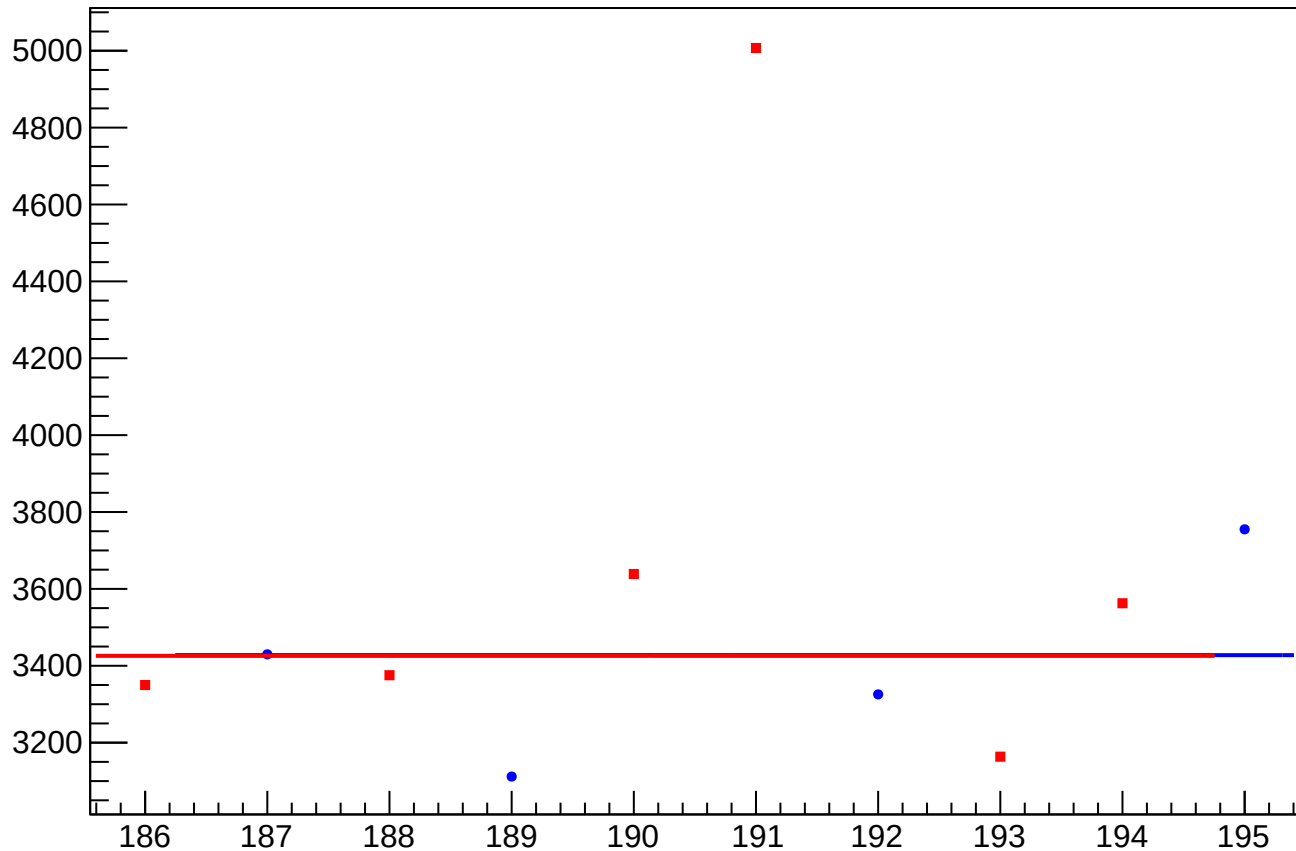
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 44.811 $\pm$ 1503.297  $\chi^2$ /NDF: 12.5/9

- 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: 3425.785+/-1.329  $\chi^2/\text{NDF}$ : 48856.8/5

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

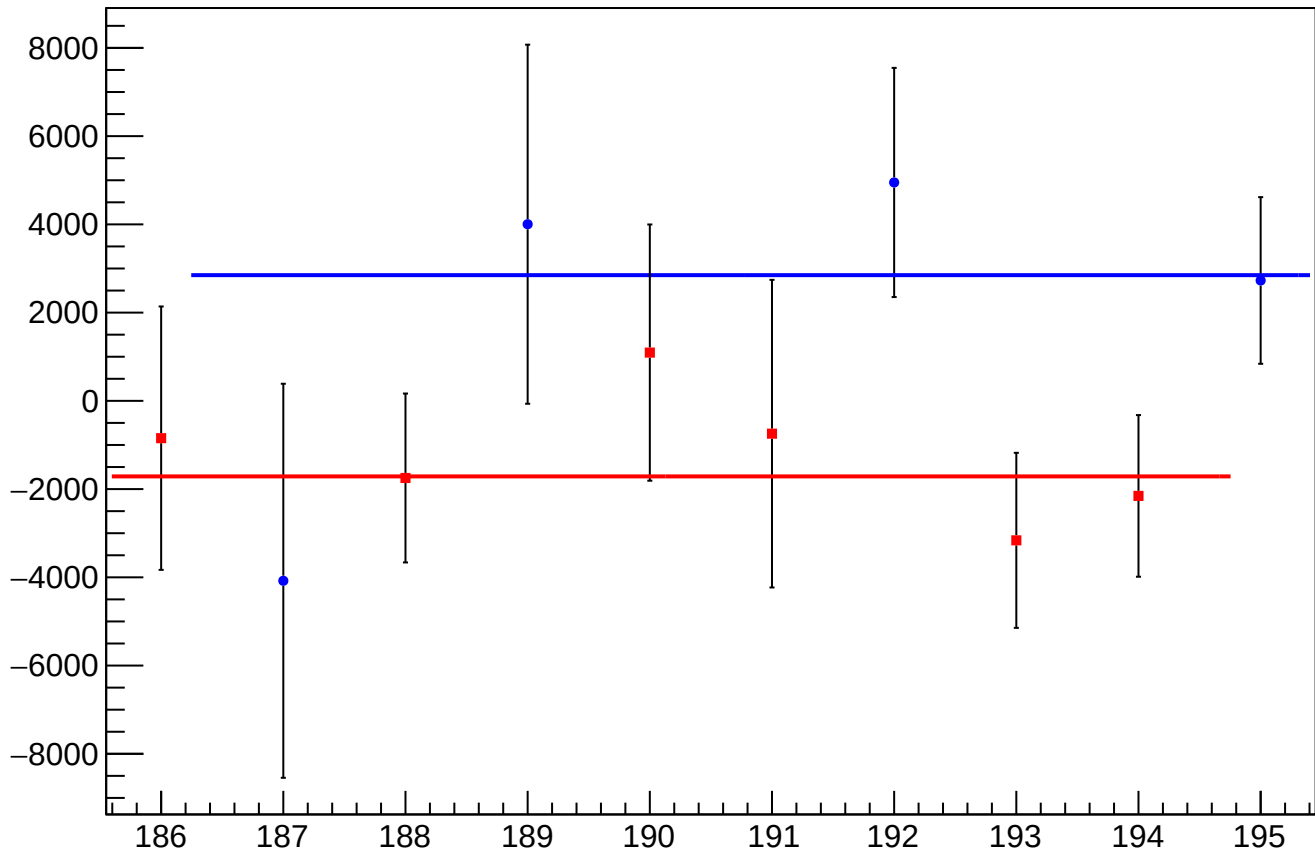
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3426.456+/-1.063  $\chi^2/\text{NDF}$ : 71991.3/9

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



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



Right In: 2849.099+/-1361.988  $\chi^2/\text{NDF}$ : 3.1/3

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

Right Out: -1712.477+/-937.381  $\chi^2/\text{NDF}$ : 1.7/5

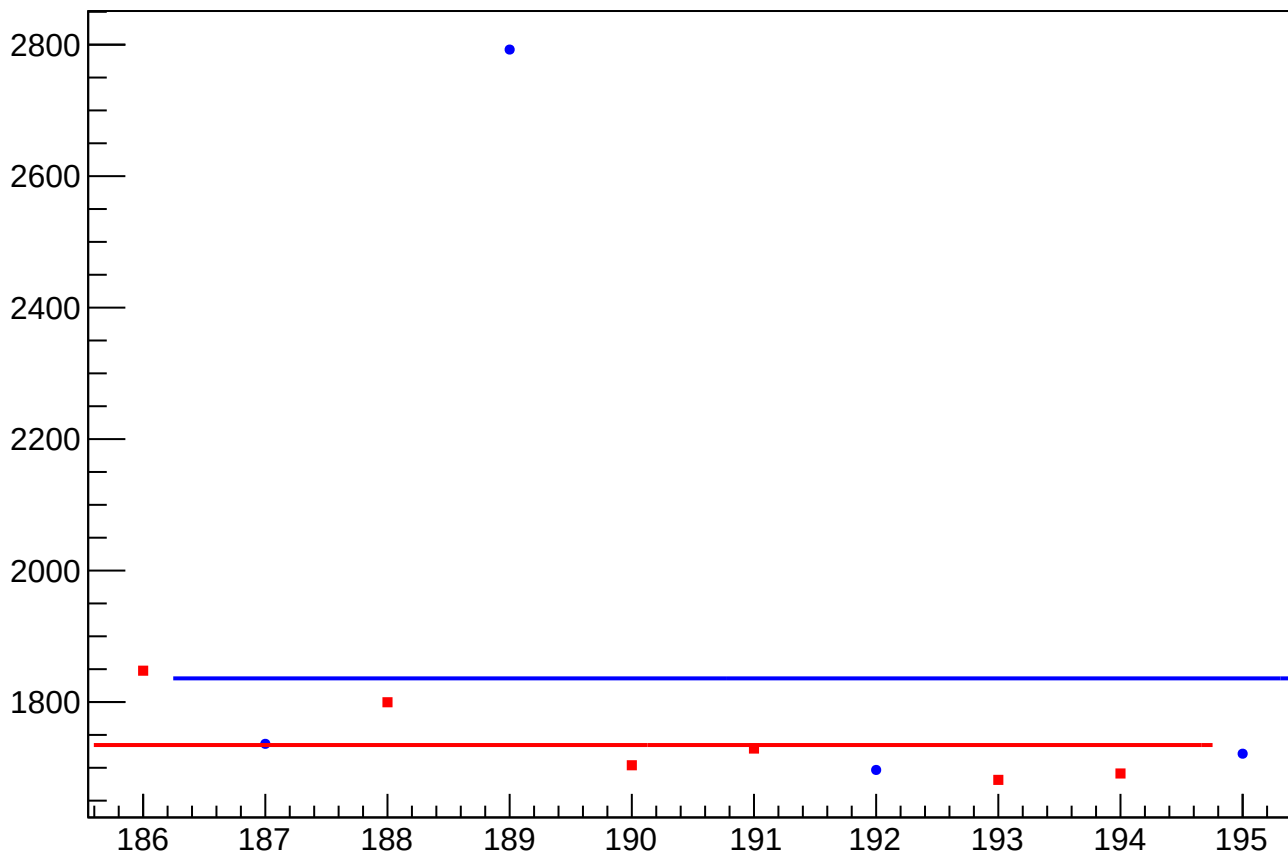
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -246.263+/-772.173  $\chi^2/\text{NDF}$ : 12.4/9

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

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



Right In: 1836.014 $\pm$ 0.963  $\chi^2$ /NDF: 124612.8/3

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

Right Out: 1734.609 $\pm$ 0.663  $\chi^2$ /NDF: 7956.4/5

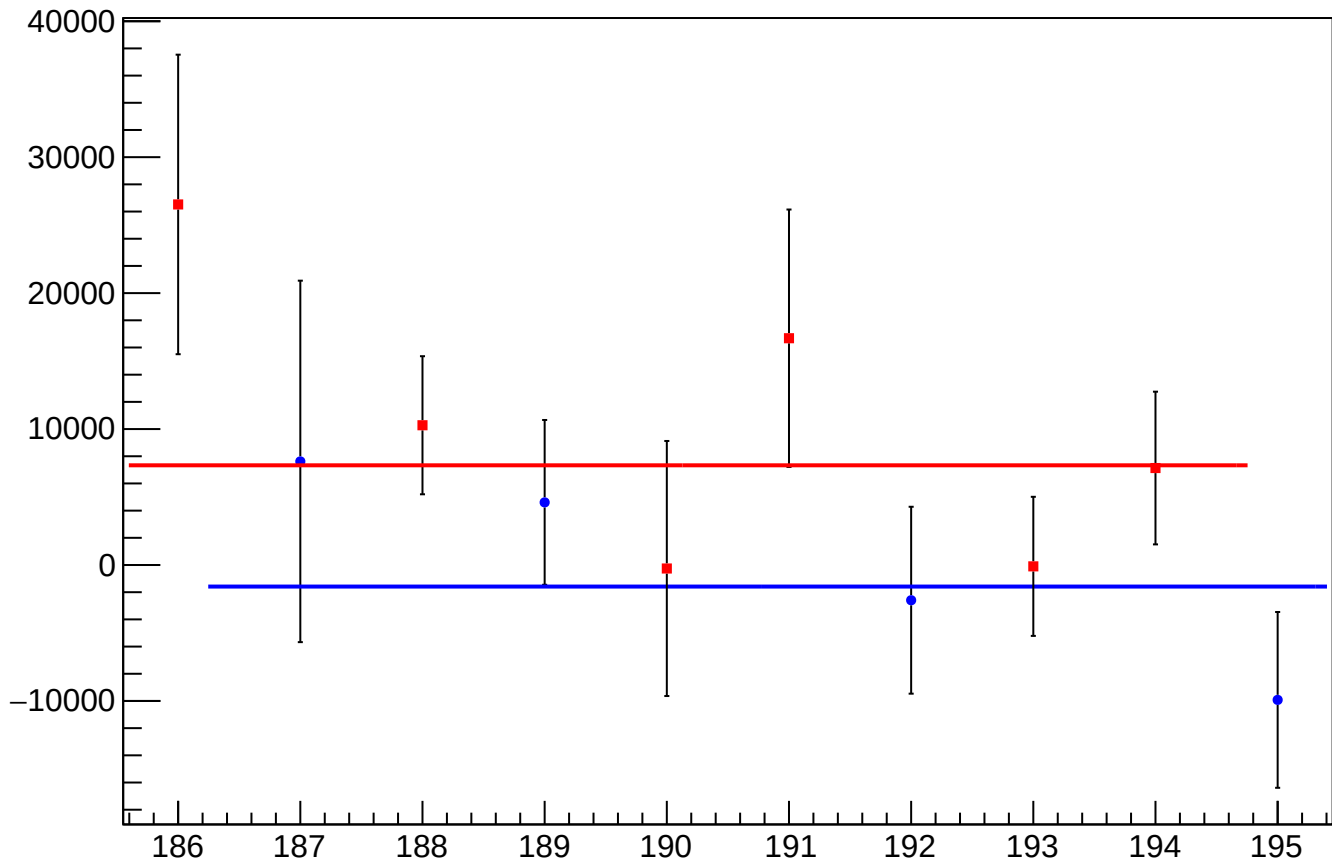
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1767.203 $\pm$ 0.546  $\chi^2$ /NDF: 140092.3/9

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

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



Right In: -1585.111+/-3581.385  $\chi^2/\text{NDF}$ : 3.2/3

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

Right Out: 7333.923+/-2678.024  $\chi^2/\text{NDF}$ : 7.1/5

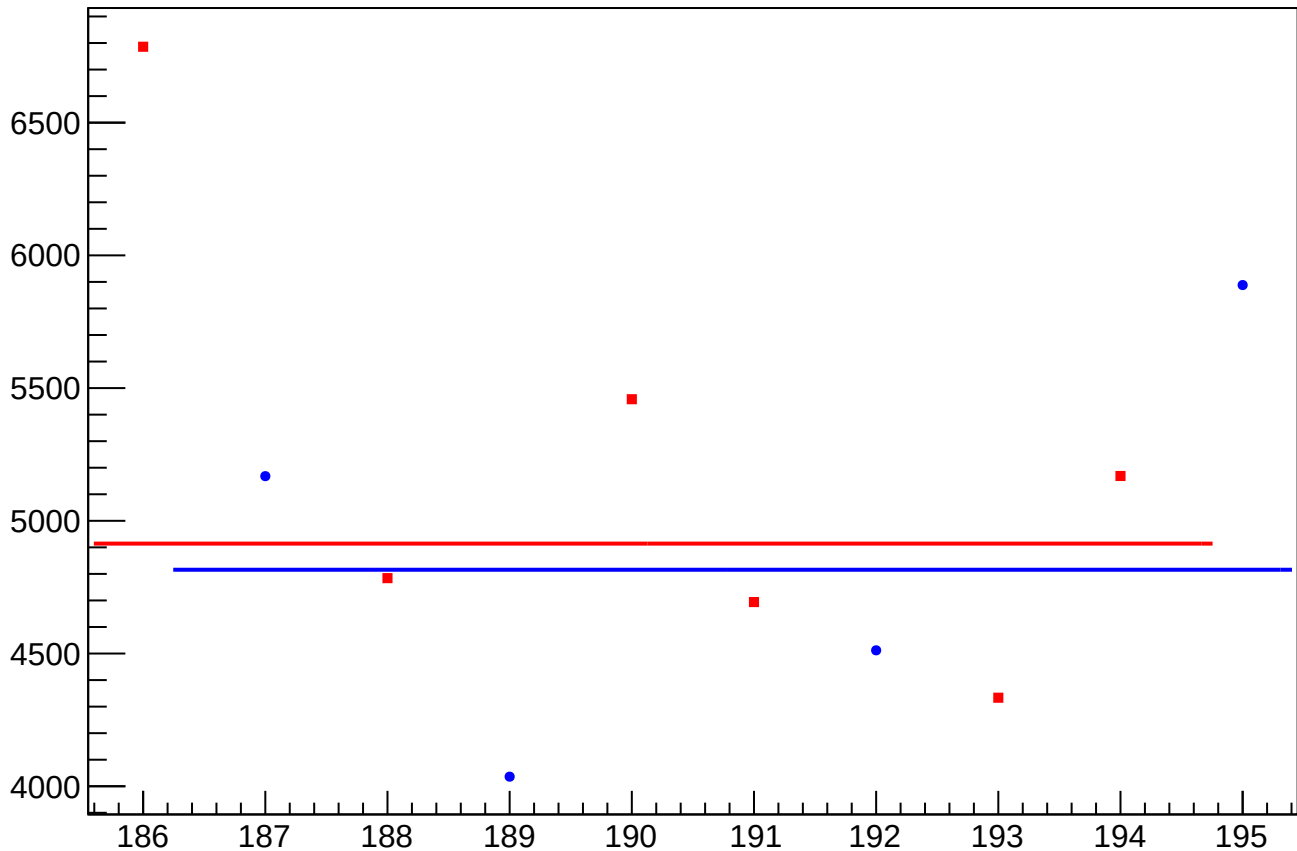
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 4135.341+/-2144.721  $\chi^2/\text{NDF}$ : 14.3/9

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

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



Right In: 4815.681 $\pm$ 2.532  $\chi^2$ /NDF: 93419.1/3

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

Right Out: 4914.118 $\pm$ 1.894  $\chi^2$ /NDF: 96727.3/5

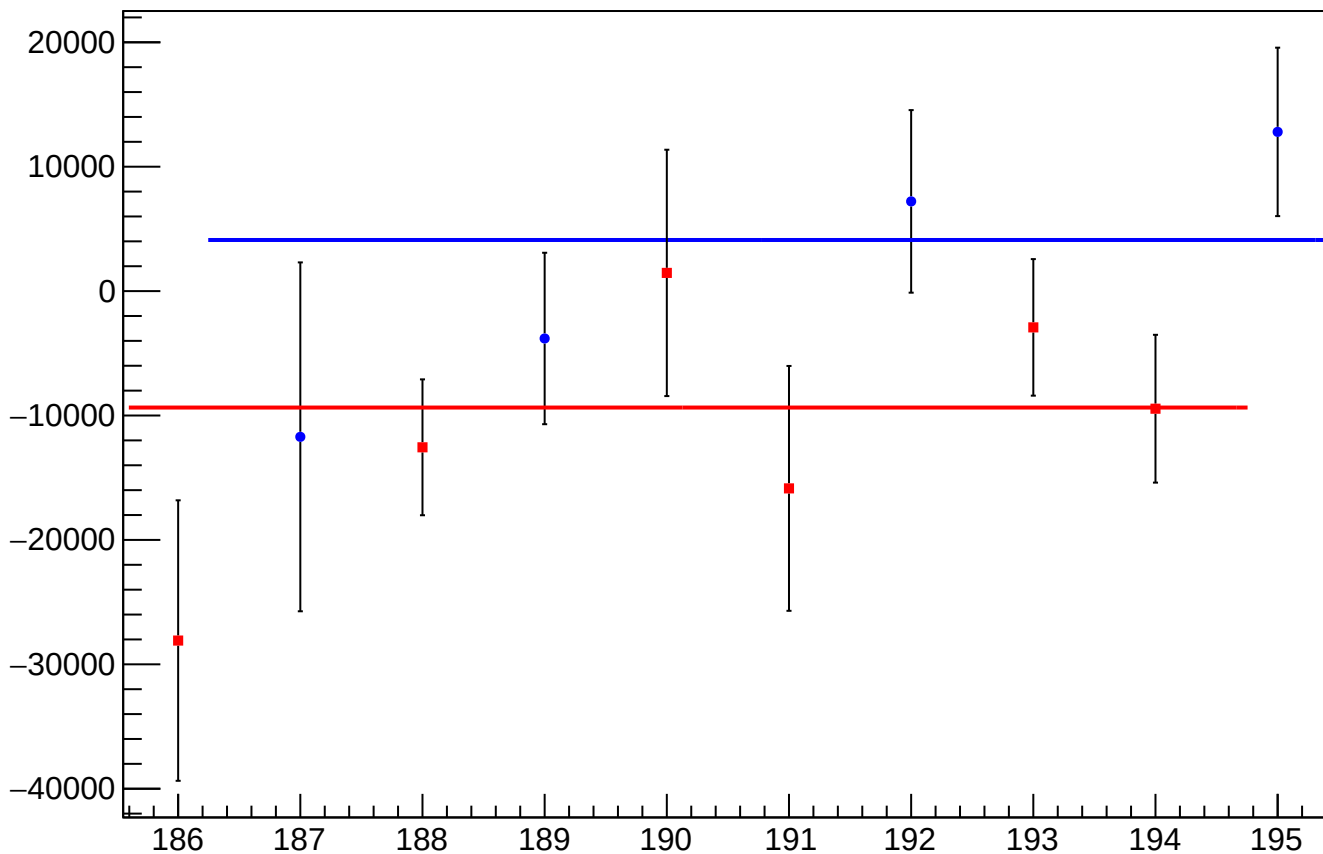
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 4878.816 $\pm$ 1.517  $\chi^2$ /NDF: 191115.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: -9359.335+/-2846.004  $\chi^2/\text{NDF}$ : 6.1/5

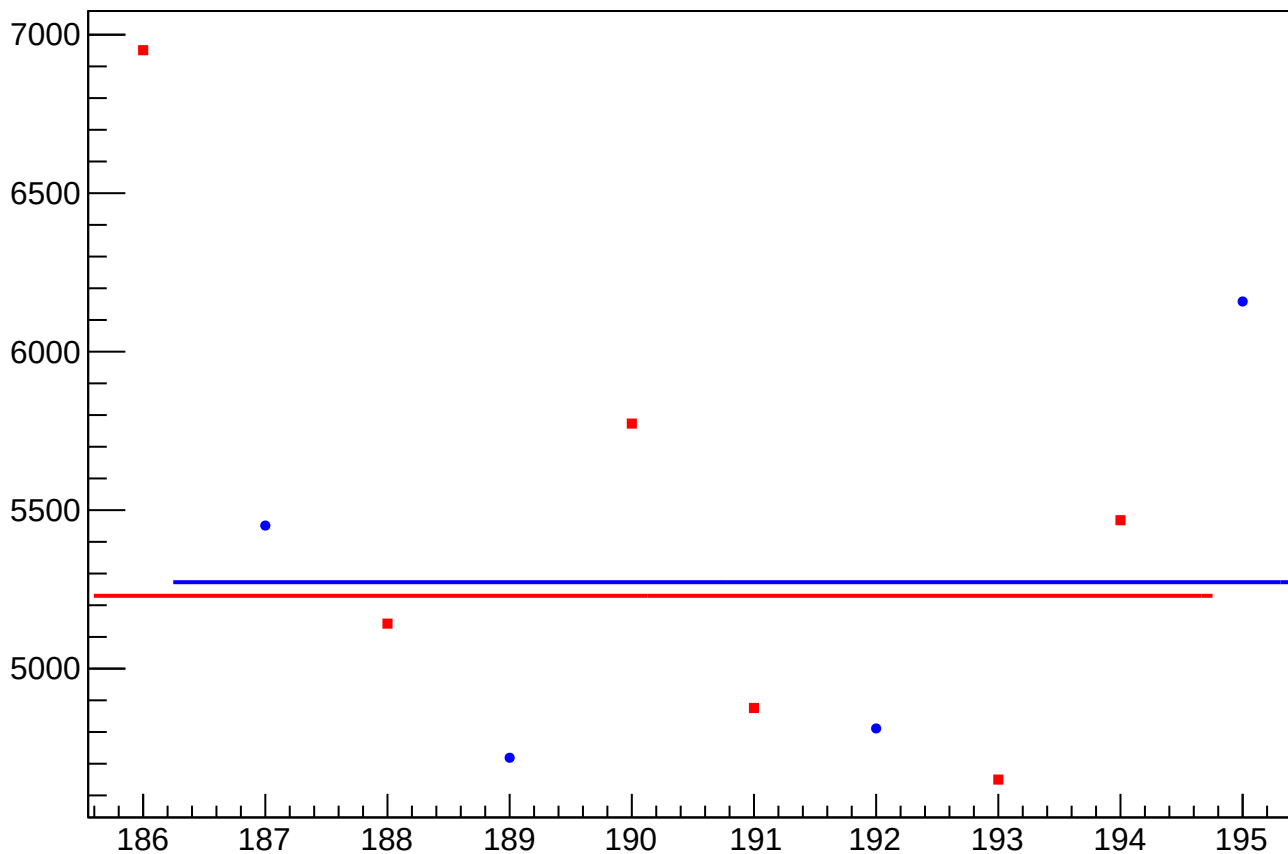
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -4642.639+/-2294.152  $\chi^2/\text{NDF}$ : 18.4/9

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

# asym\_atl\_avg\_rms vs Slug



Right In: 5272.669+/-2.741  $\chi^2/\text{NDF}$ : 55388.7/3

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

Right Out: 5229.782+/-2.012  $\chi^2/\text{NDF}$ : 81299.8/5

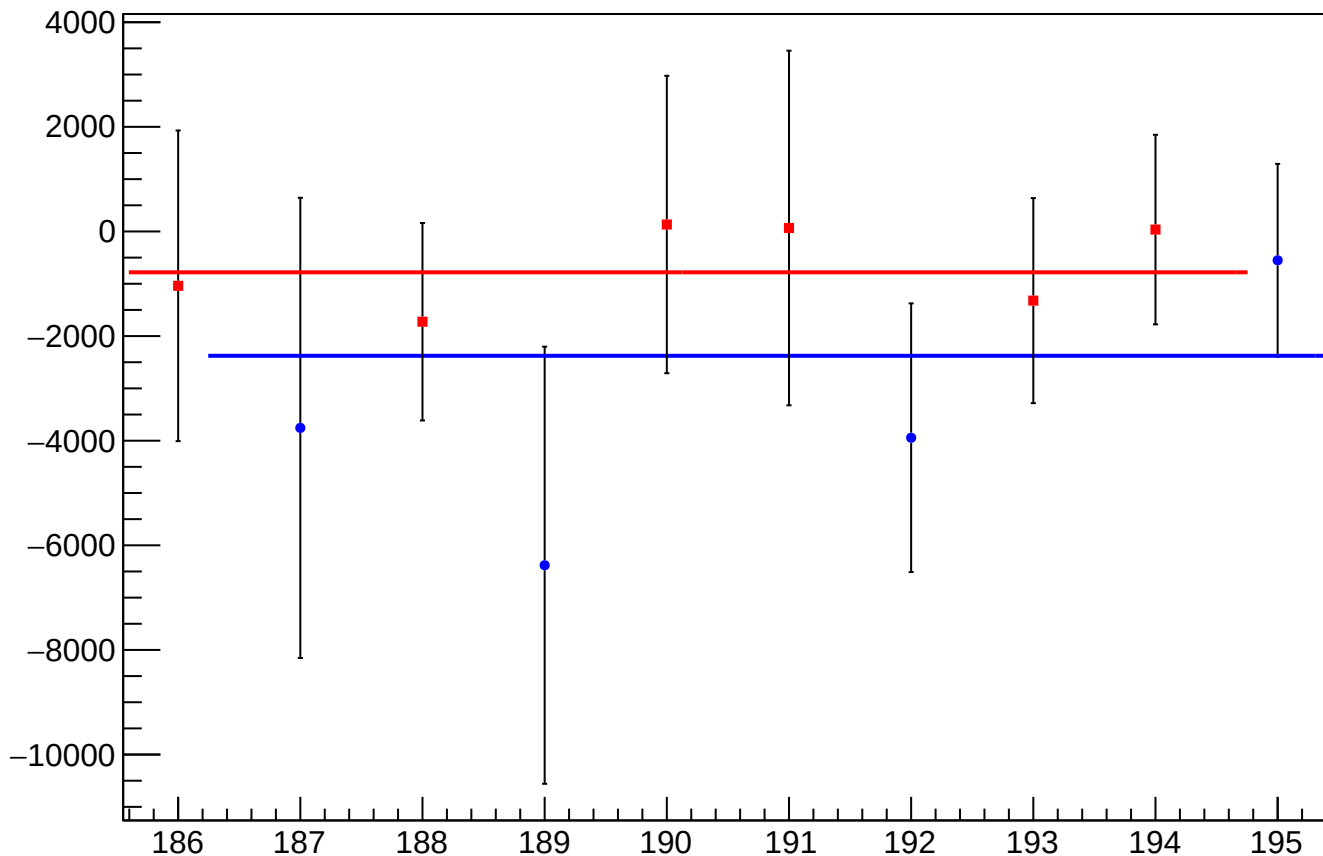
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5244.802+/-1.622  $\chi^2/\text{NDF}$ : 136847.5/9

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

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



Right In:  $-2376.892 \pm 1342.141$   $\chi^2/\text{NDF}$ : 2.4/3

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

Right Out:  $-780.798 \pm 924.569$   $\chi^2/\text{NDF}$ : 0.7/5

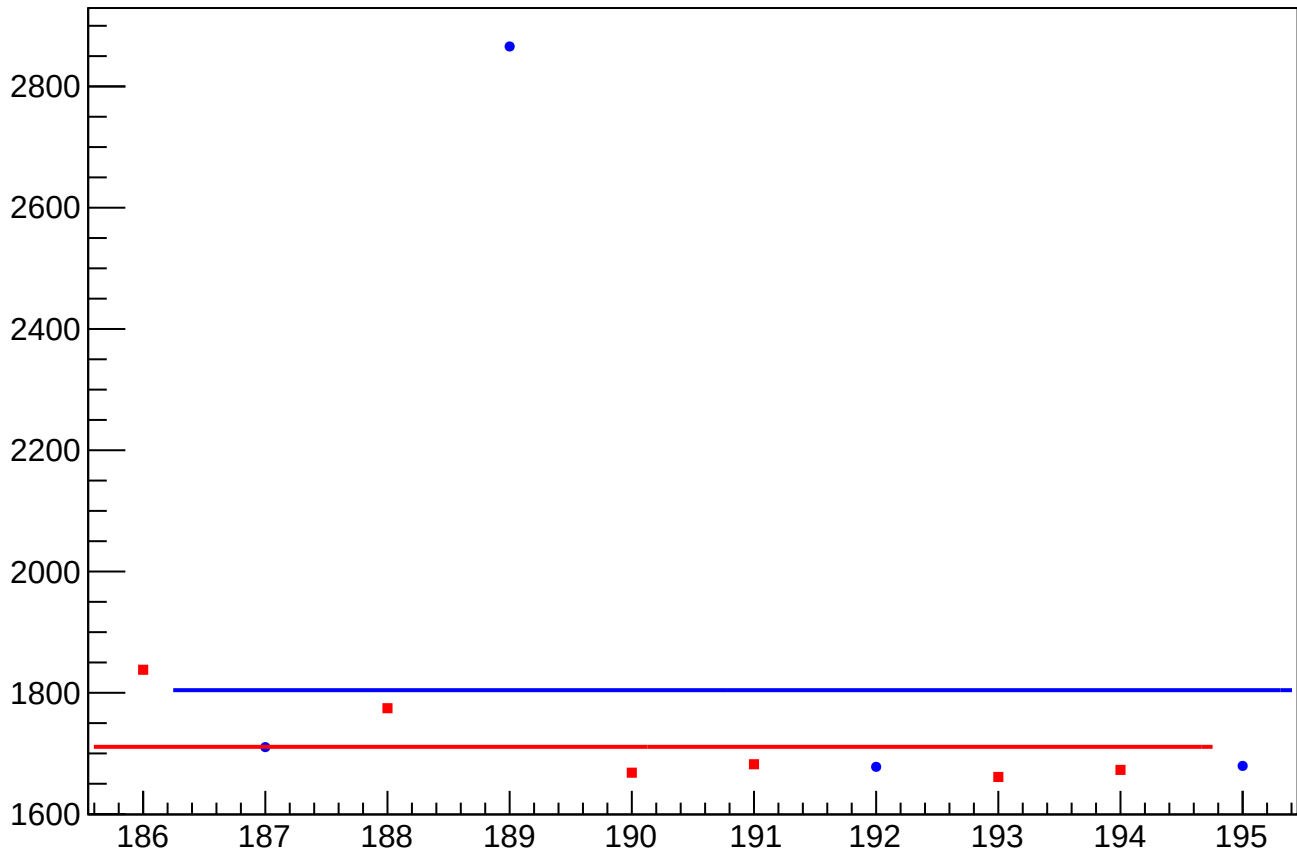
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-1294.464 \pm 761.394$   $\chi^2/\text{NDF}$ : 4.0/9

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

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



Right In: 1804.322 $\pm$ 0.949  $\chi^2$ /NDF: 144048.6/3

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

Right Out: 1710.896 $\pm$ 0.654  $\chi^2$ /NDF: 8703.0/5

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

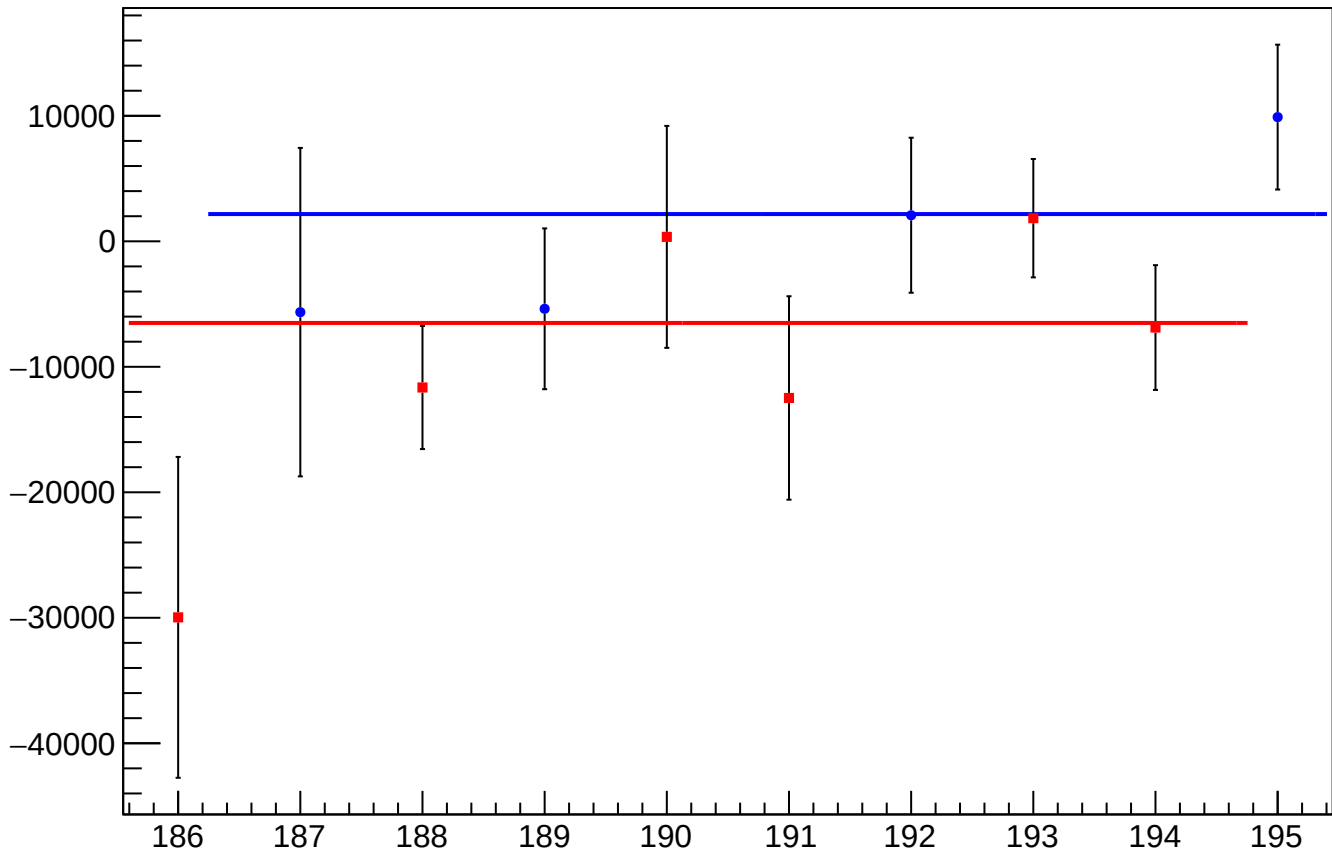
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1740.963 $\pm$ 0.538  $\chi^2$ /NDF: 159323.8/9

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



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



Right In: 2171.155+/-3401.616  $\chi^2/\text{NDF}$ : 3.5/3

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

Right Out: -6504.975+/-2491.807  $\chi^2/\text{NDF}$ : 8.7/5

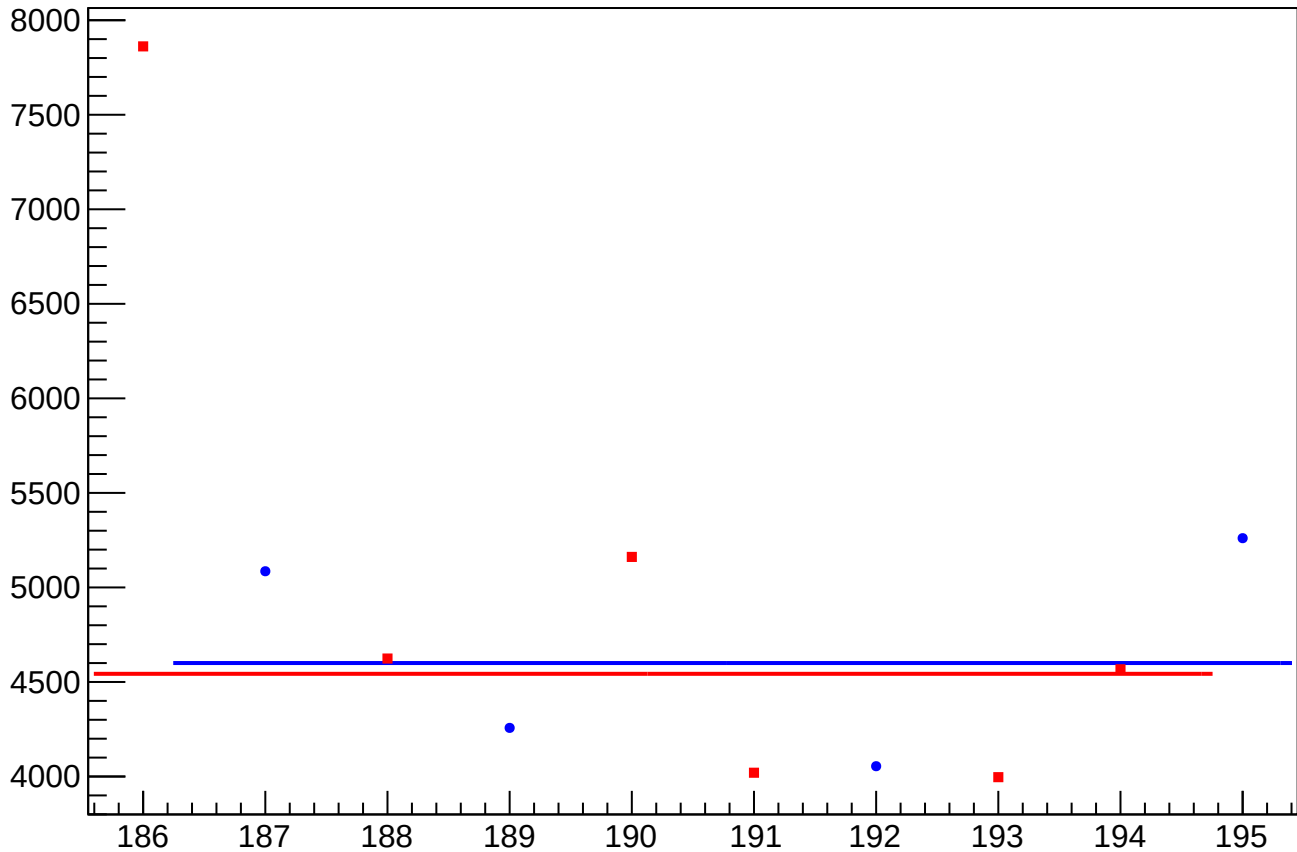
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -3475.127+/-2010.169  $\chi^2/\text{NDF}$ : 16.5/9

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

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



Right In: 4600.182 $\pm$ 2.405  $\chi^2$ /NDF: 50268.5/3

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

Right Out: 4543.150 $\pm$ 1.762  $\chi^2$ /NDF: 180292.8/5

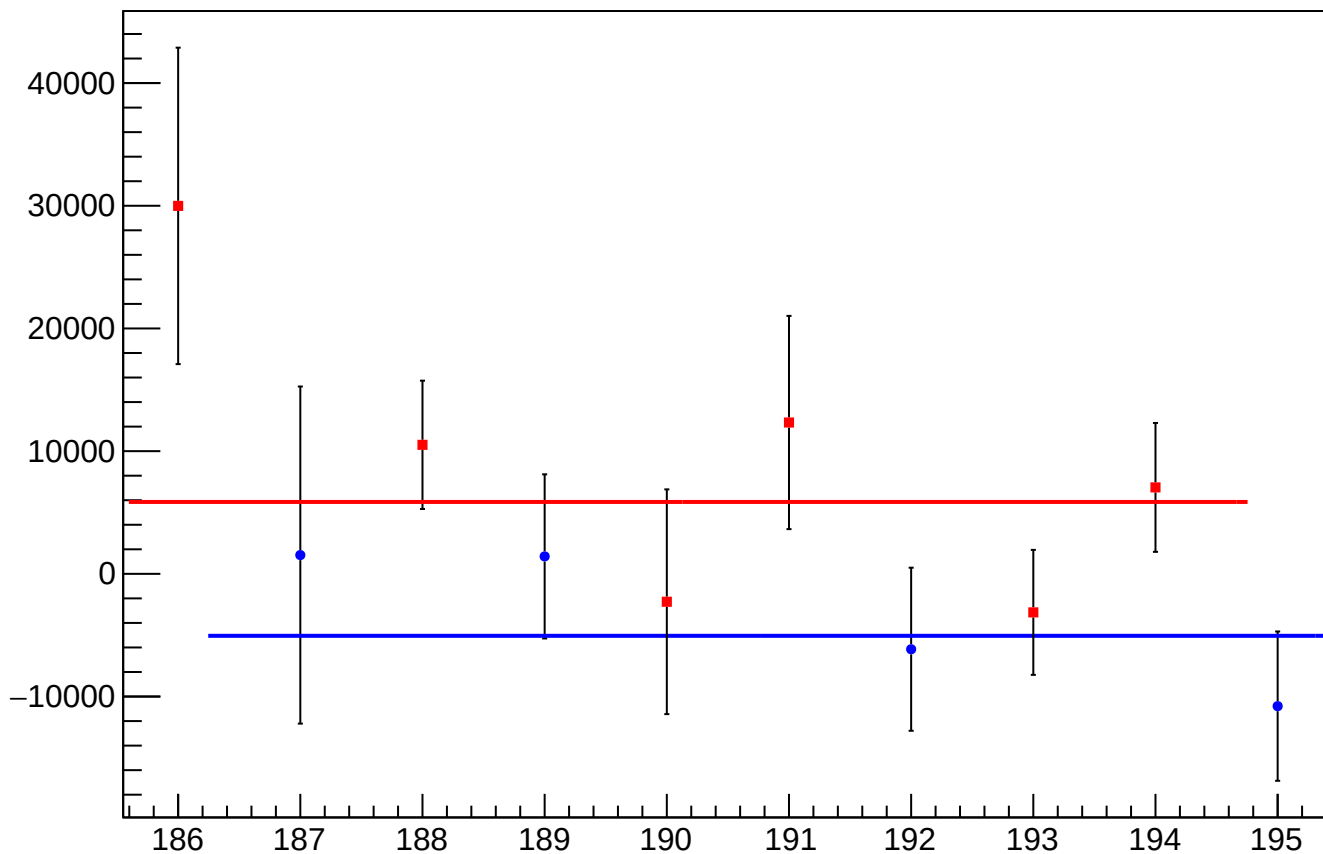
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 4563.066 $\pm$ 1.421  $\chi^2$ /NDF: 230927.1/9

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

# asym\_atl\_dd\_mean vs Slug



Right In: -5050.595+/-3596.656  $\chi^2/\text{NDF}$ : 2.1/3

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

Right Out: 5859.911+/-2648.593  $\chi^2/\text{NDF}$ : 8.8/5

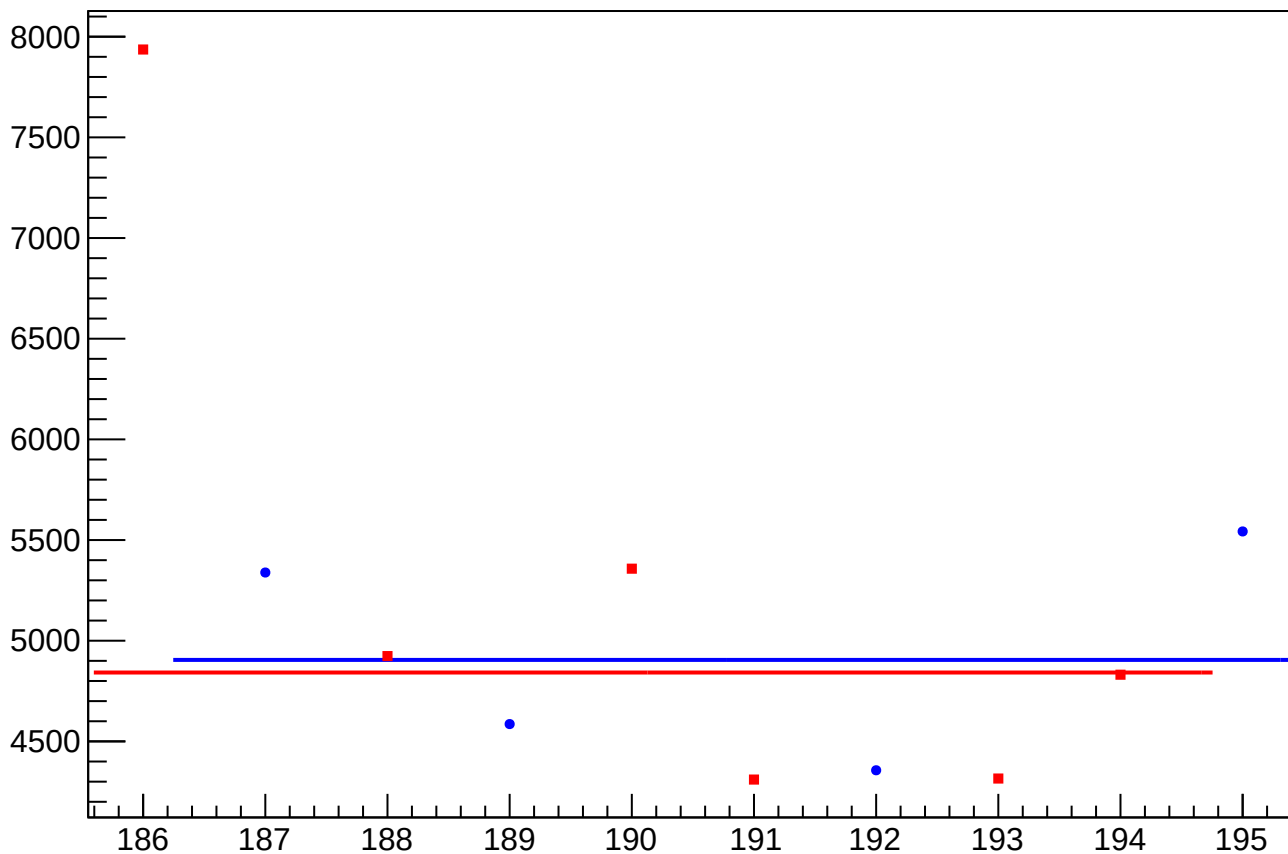
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2023.623+/-2132.711  $\chi^2/\text{NDF}$ : 16.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 4842.050+/-1.873  $\chi^2/\text{NDF}$ : 150847.0/5

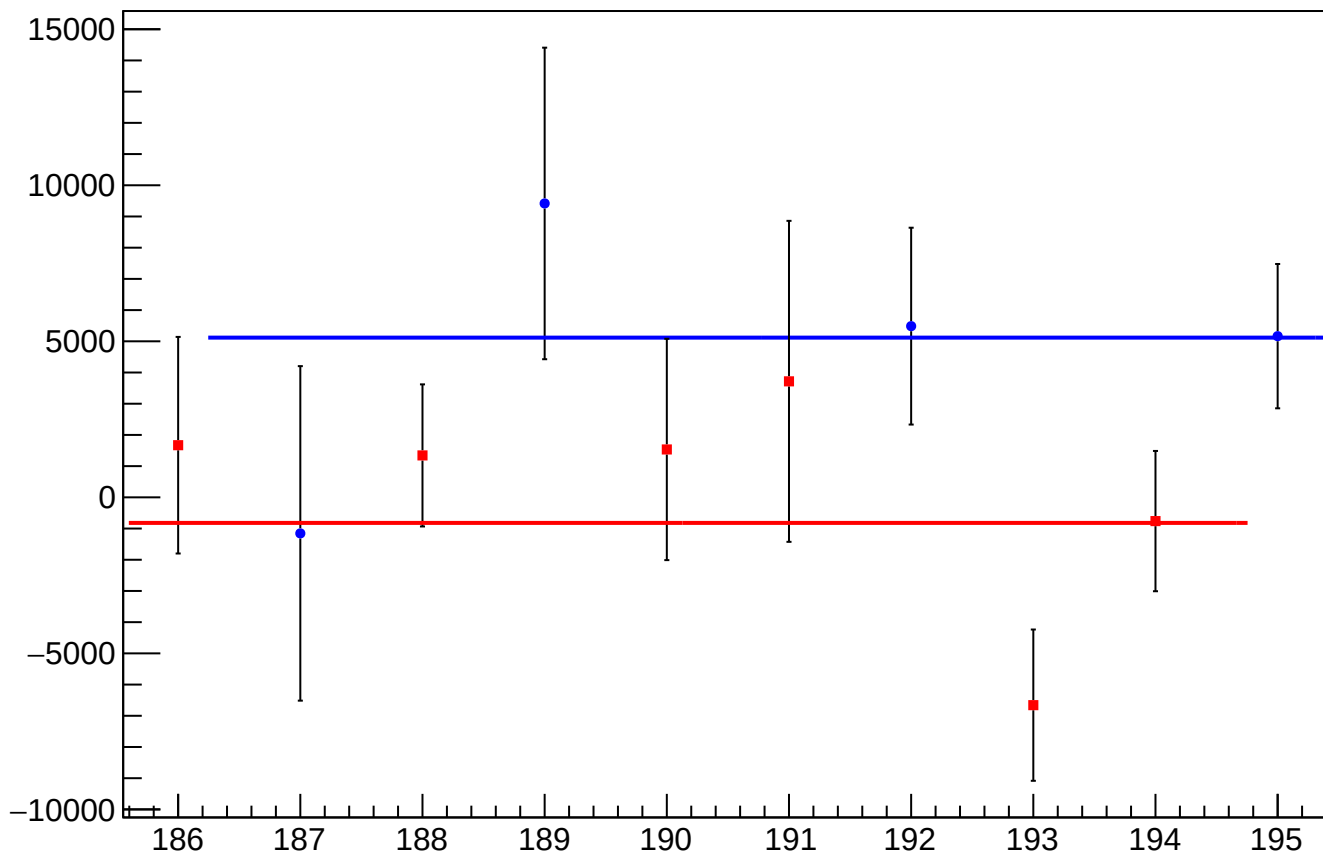
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 4864.063+/-1.508  $\chi^2/\text{NDF}$ : 193371.0/9

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

dit\_asym\_atr\_avg\_mean vs Slug



Right In: 5118.010+/-1660.956  $\chi^2/\text{NDF}$ : 2.1/3

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

Right Out: -819.321+/-1146.009  $\chi^2/\text{NDF}$ : 8.4/5

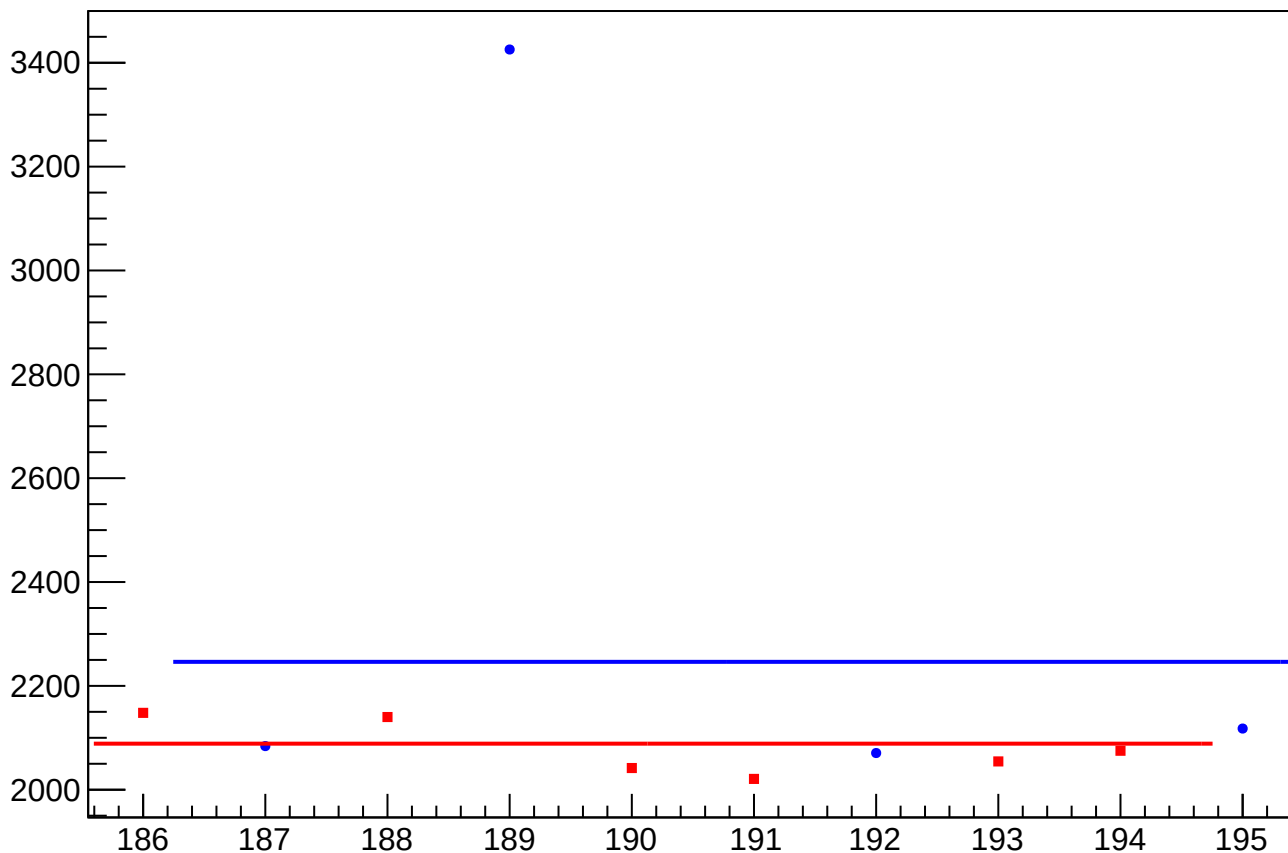
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1095.586+/-943.271  $\chi^2/\text{NDF}$ : 19.2/9

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

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



Right In: 2246.290+/-1.174  $\chi^2/\text{NDF}$ : 125827.7/3

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

Right Out: 2088.723+/-0.810  $\chi^2/\text{NDF}$ : 2770.0/5

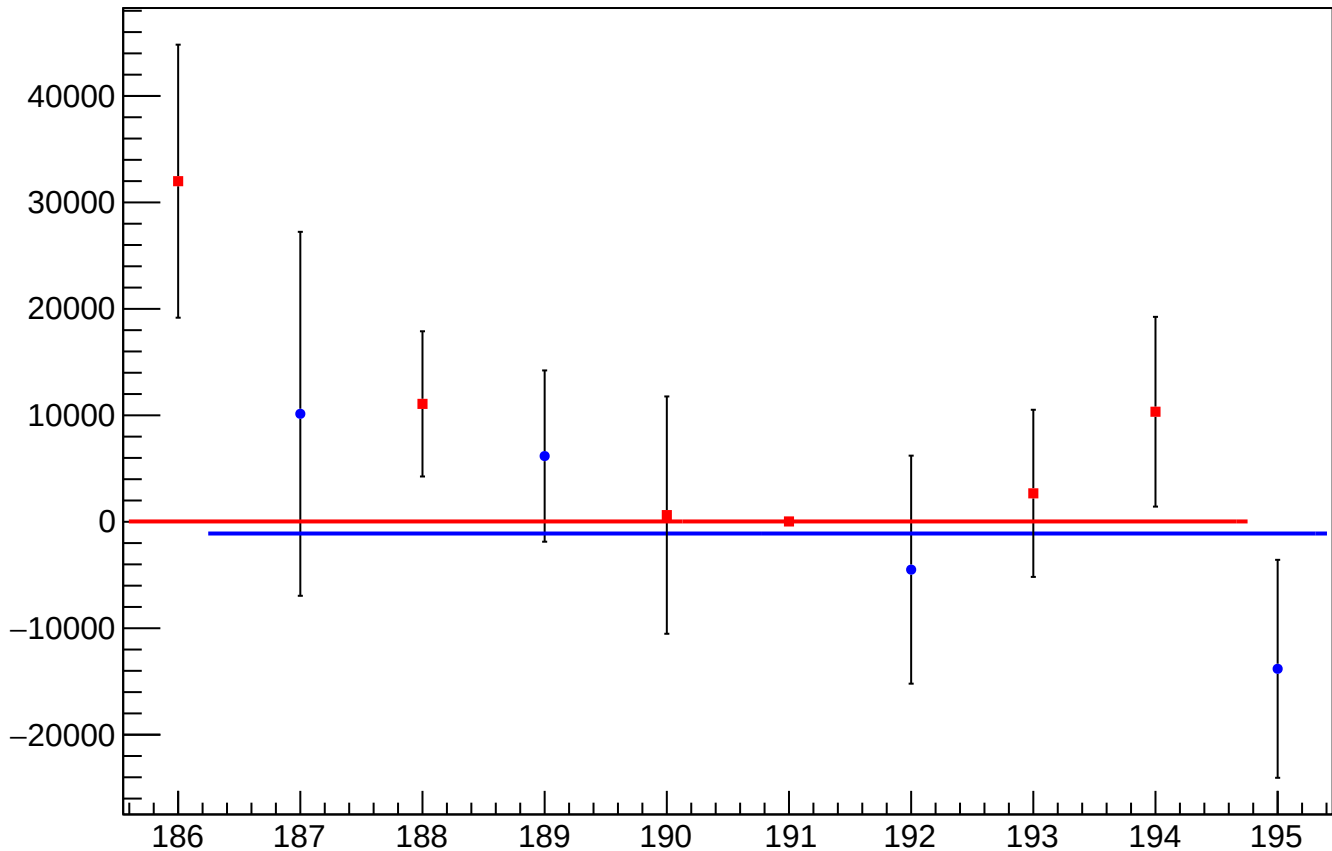
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2139.541+/-0.667  $\chi^2/\text{NDF}$ : 140791.6/9

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

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



Right In: -1101.452 $\pm$ 5189.417  $\chi^2$ /NDF: 2.9/3

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

Right Out: 31.732 $\pm$ 15.145  $\chi^2$ /NDF: 10.3/5

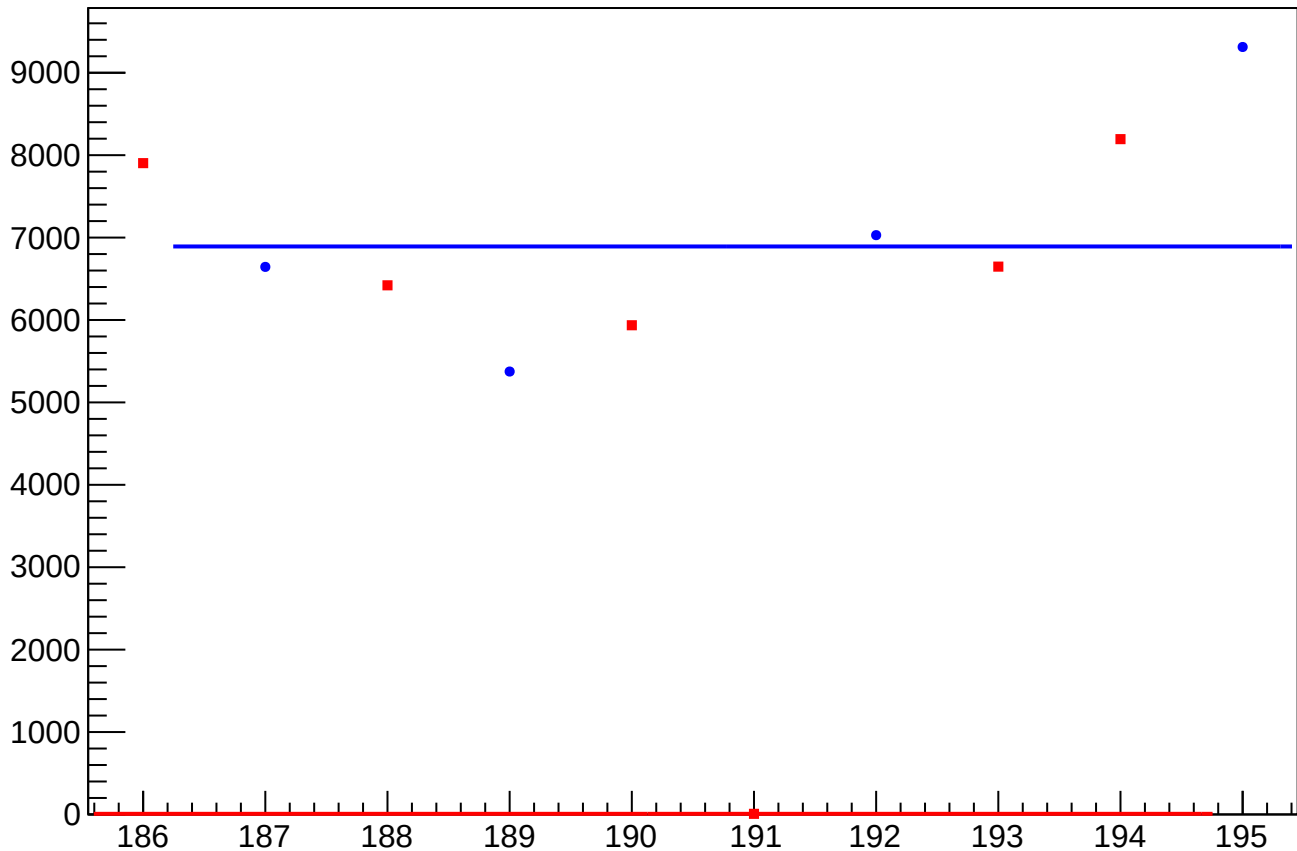
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 31.723 $\pm$ 15.145  $\chi^2$ /NDF: 13.2/9

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

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



Right In: 6892.168 $\pm$ 3.669  $\chi^2$ /NDF: 183741.3/3

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

Right Out: 7.609 $\pm$ 0.011  $\chi^2$ /NDF: 6211062.5/5

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

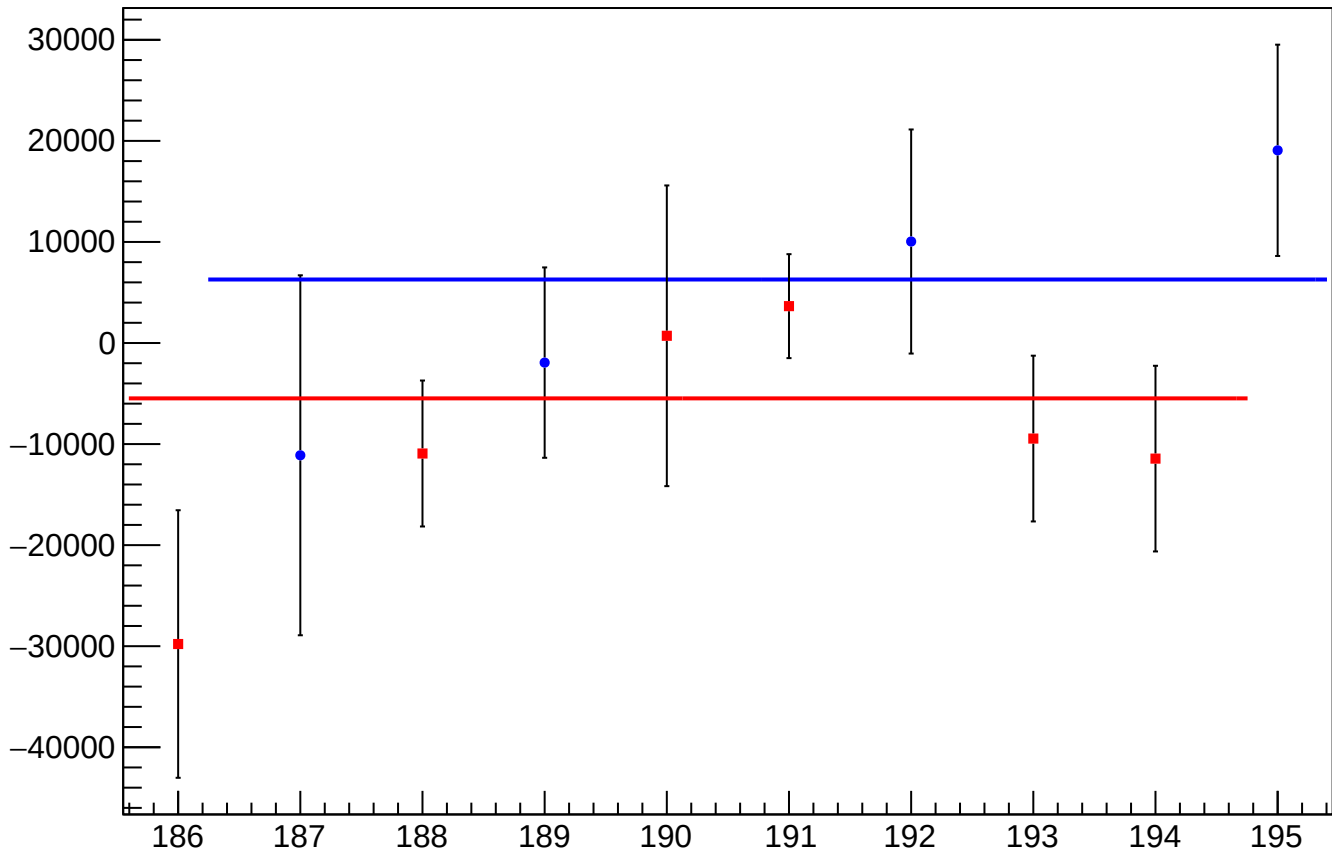
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.667 $\pm$ 0.011  $\chi^2$ /NDF: 9914793.1/9

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



# asym\_atr\_avg\_mean vs Slug



Right In: 6284.293 $\pm$ 5615.744  $\chi^2$ /NDF: 3.3/3

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

Right Out: -5478.825 $\pm$ 3262.948  $\chi^2$ /NDF: 7.9/5

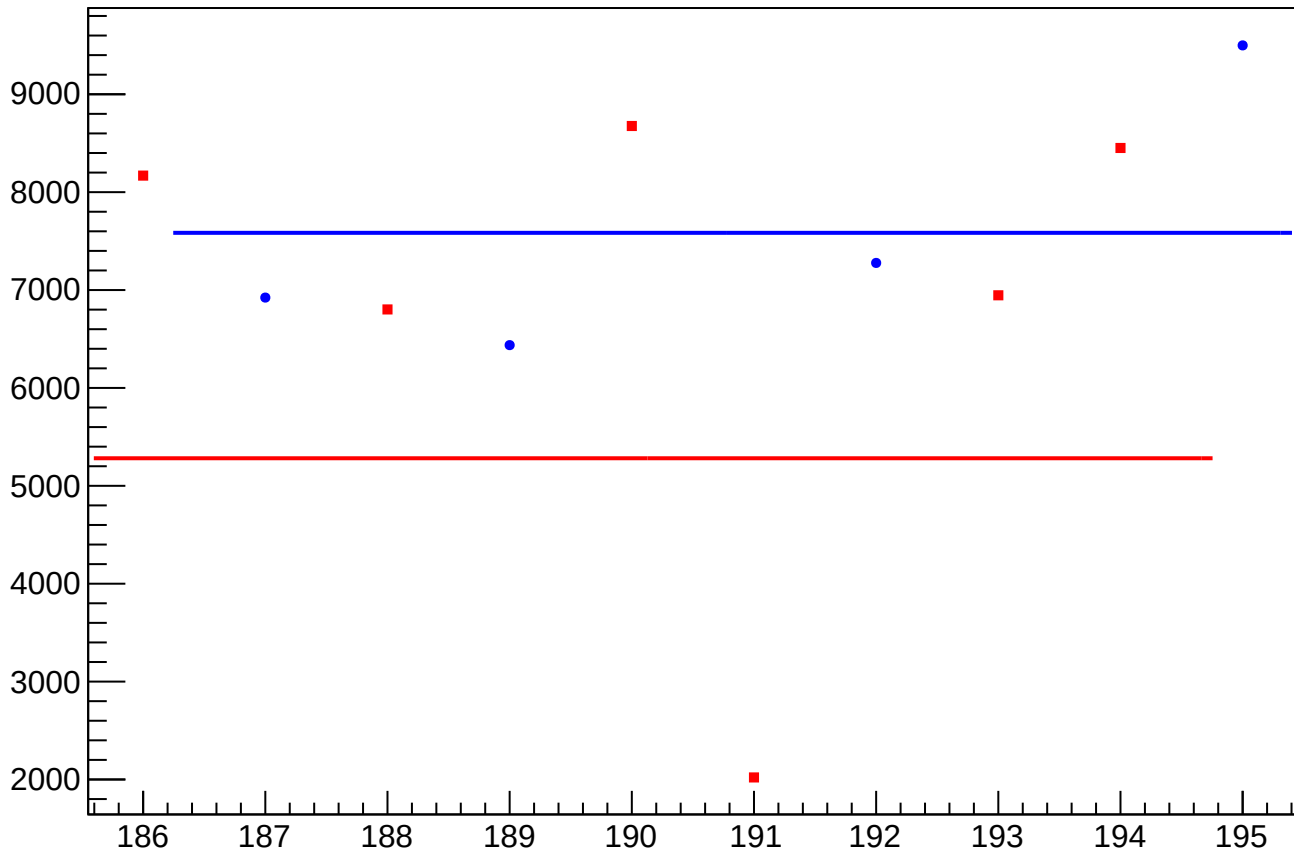
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -2509.888 $\pm$ 2821.283  $\chi^2$ /NDF: 14.5/9

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

# asym\_atr\_avg\_rms vs Slug



Right In: 7584.553+/-3.971  $\chi^2/\text{NDF}$ : 101052.5/3

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

Right Out: 5281.539+/-2.307  $\chi^2/\text{NDF}$ : 1412409.8/5

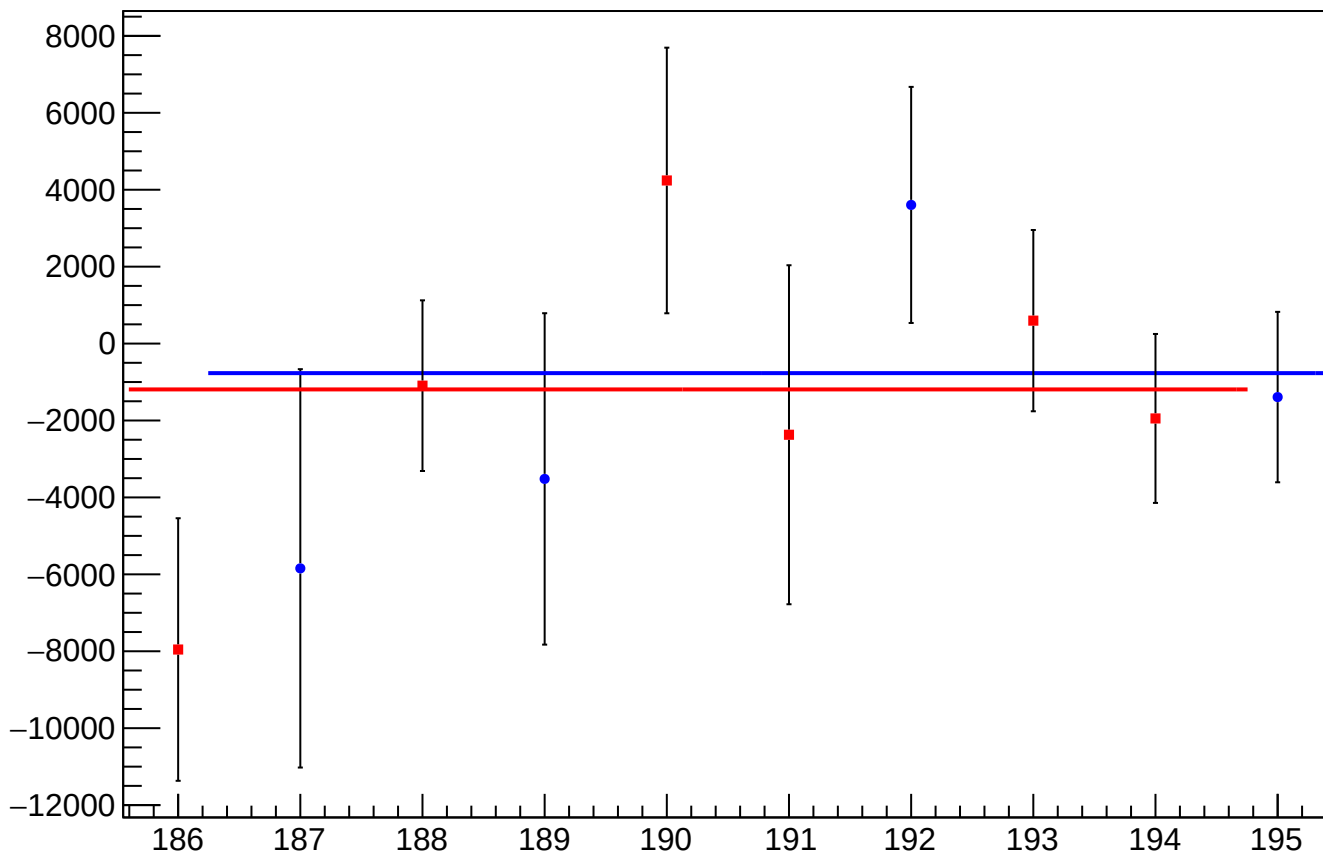
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5862.803+/-1.995  $\chi^2/\text{NDF}$ : 1764929.9/9

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

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



Right In: -768.335+/-1579.145  $\chi^2/\text{NDF}$ : 3.5/3

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

Right Out: -1191.947+/-1109.932  $\chi^2/\text{NDF}$ : 7.2/5

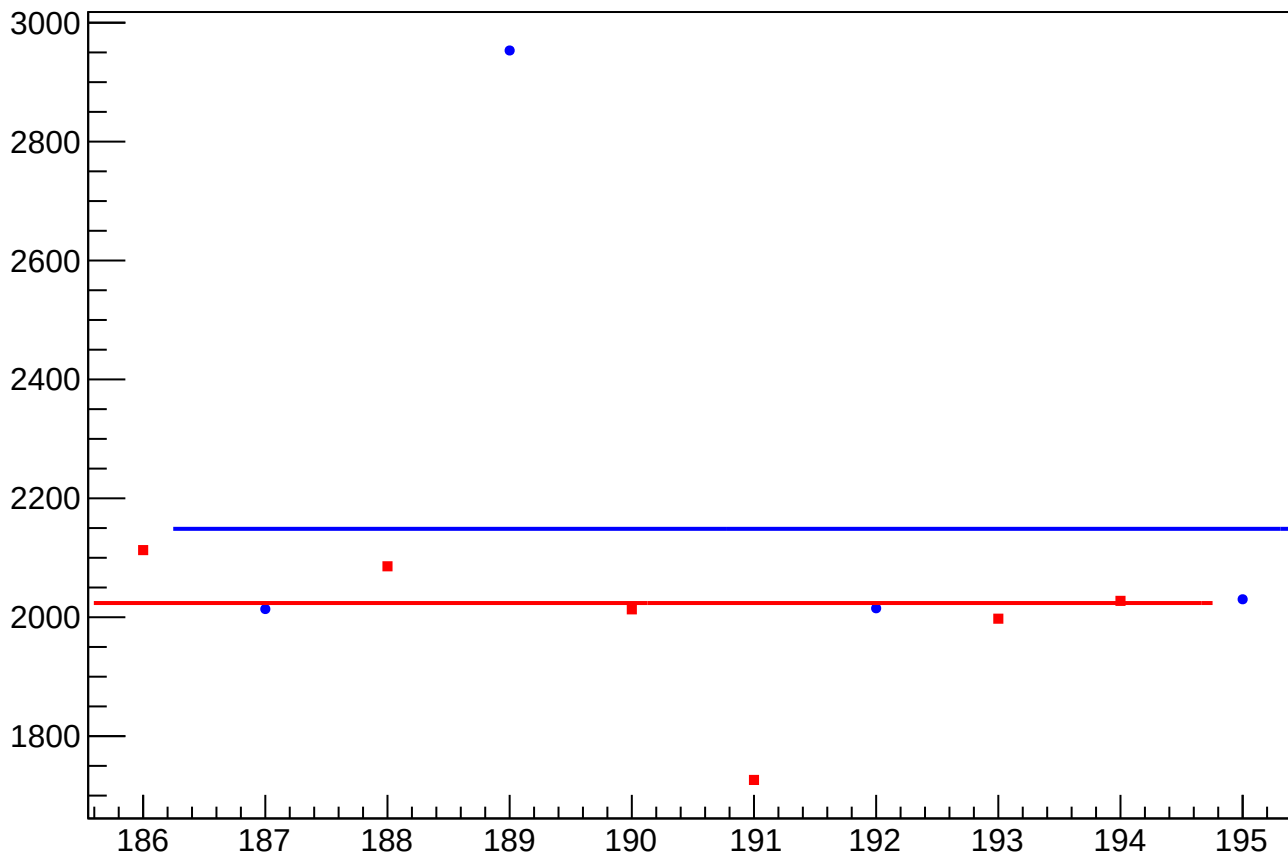
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -1051.872+/-908.066  $\chi^2/\text{NDF}$ : 10.7/9

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

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



Right In: 2148.696 $\pm$ 1.117  $\chi^2$ /NDF: 80616.4/3

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

Right Out: 2023.891 $\pm$ 0.785  $\chi^2$ /NDF: 12303.6/5

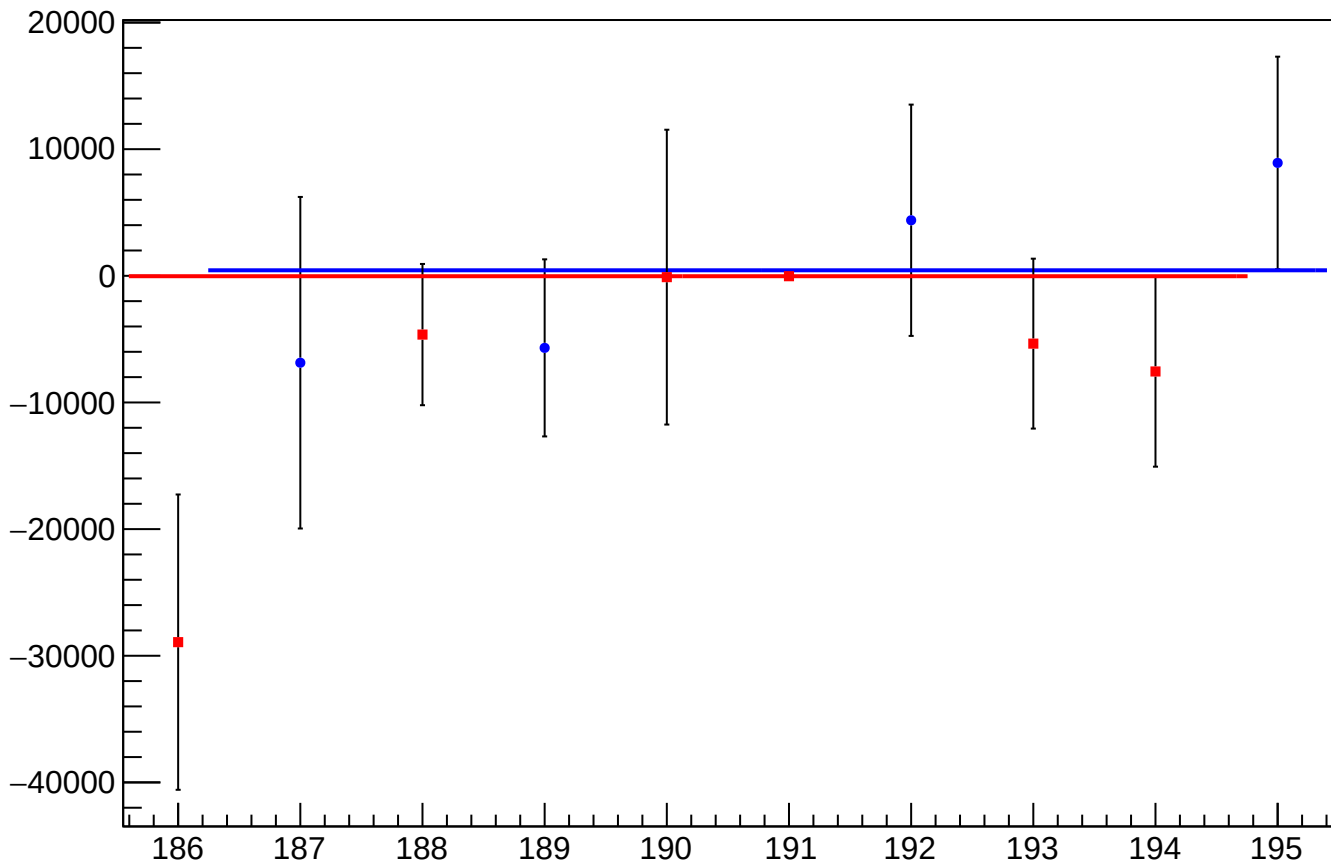
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

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

All: 2065.160 $\pm$ 0.642  $\chi^2$ /NDF: 101281.6/9

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

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



Right In:  $436.324 \pm 4364.281$   $\chi^2/\text{NDF}$ : 2.3/3

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

Right Out:  $-31.179 \pm 14.261$   $\chi^2/\text{NDF}$ : 8.5/5

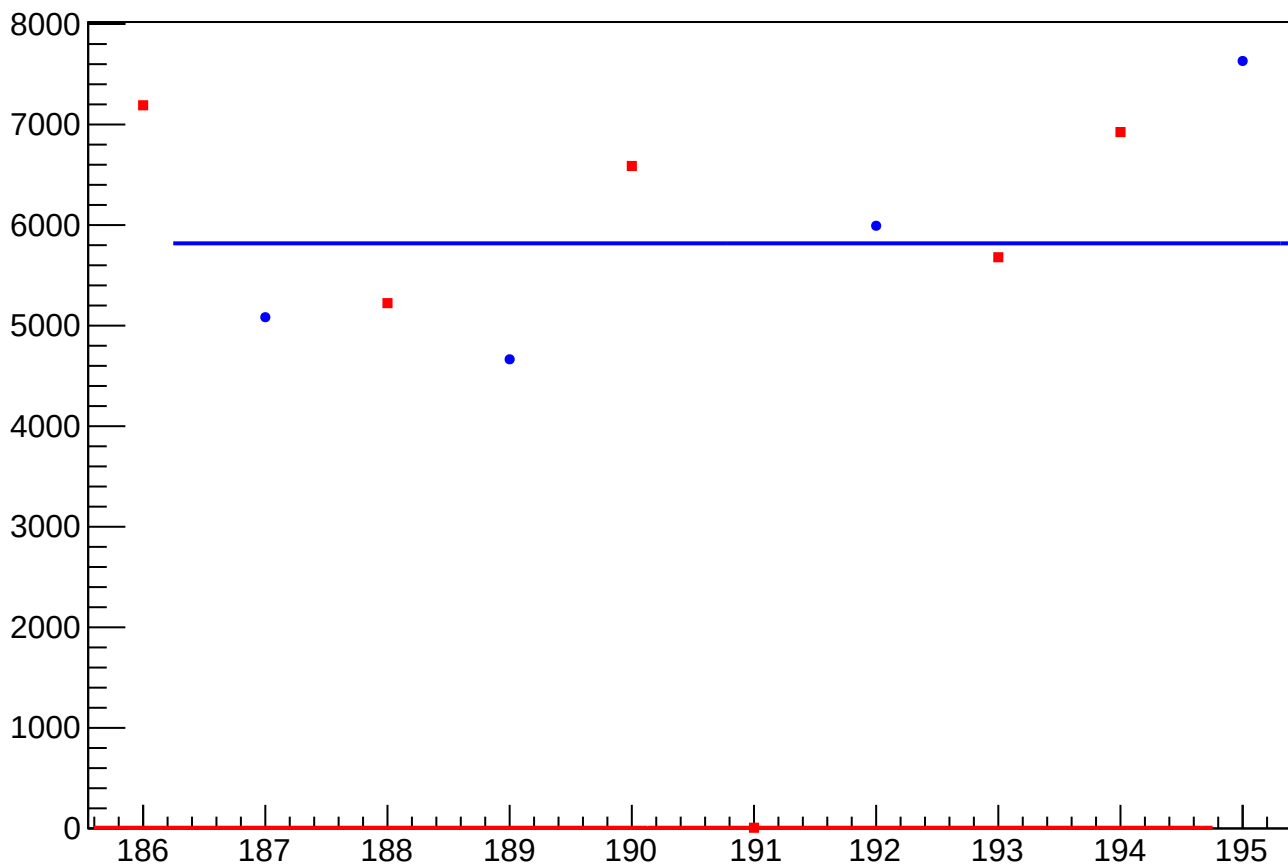
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-31.174 \pm 14.261$   $\chi^2/\text{NDF}$ : 10.8/9

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

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



Right In: 5818.280 $\pm$ 3.086  $\chi^2$ /NDF: 154916.1/3

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

Right Out: 7.174 $\pm$ 0.010  $\chi^2$ /NDF: 6271996.0/5

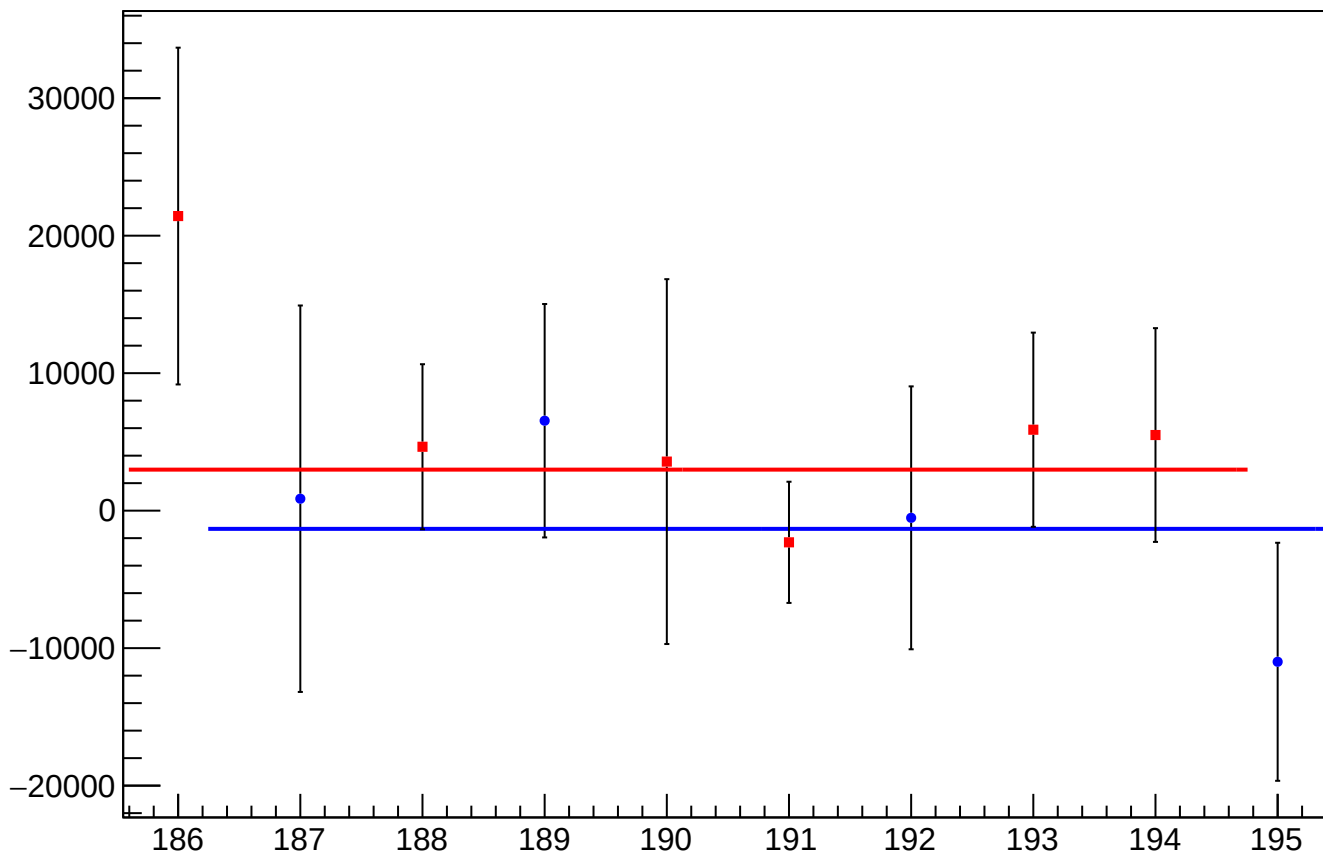
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 7.237 $\pm$ 0.010  $\chi^2$ /NDF: 9972739.3/9

- 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: 2983.970 $\pm$ 2793.145  $\chi^2$ /NDF: 4.1/5

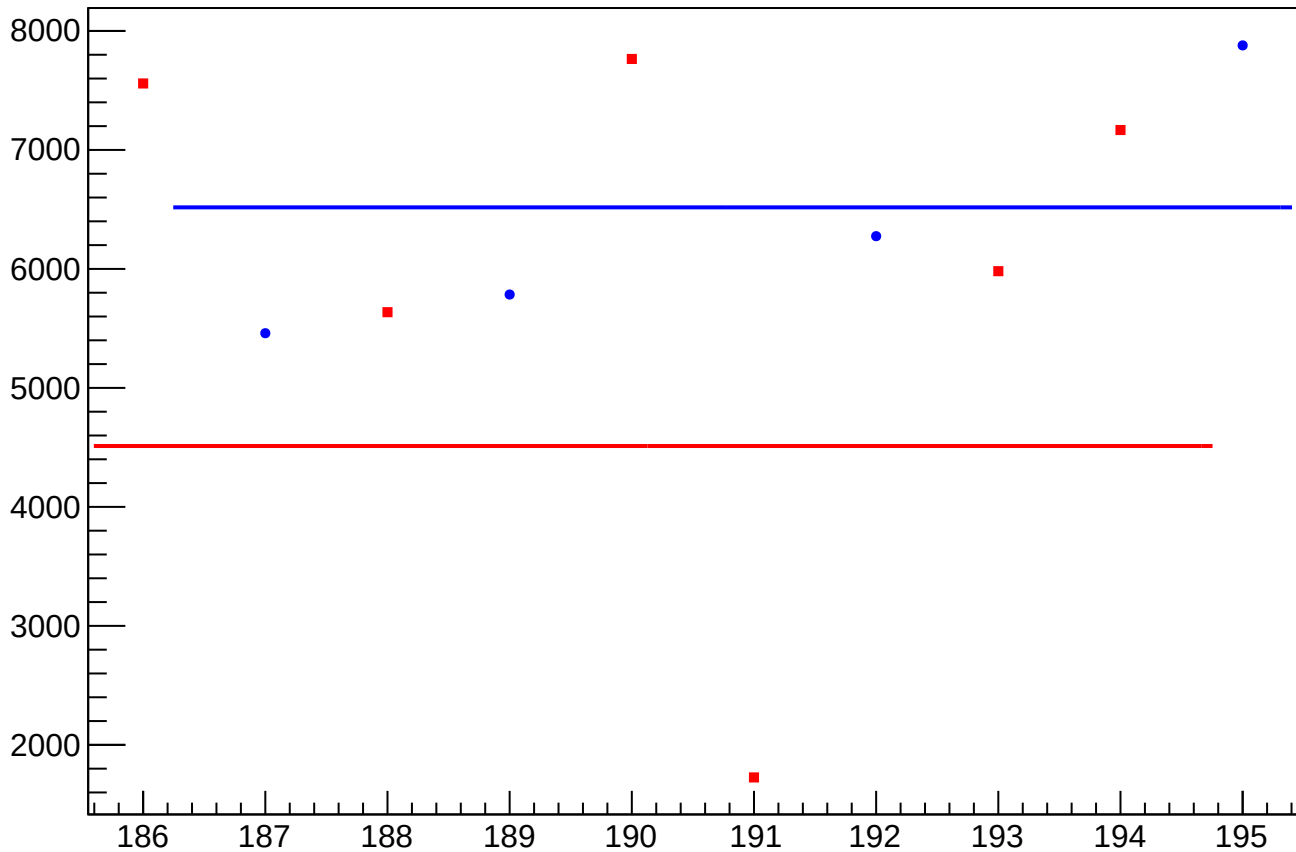
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1897.370 $\pm$ 2415.392  $\chi^2$ /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: 4511.599+/-1.975  $\chi^2$ /NDF: 1433088.5/5

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

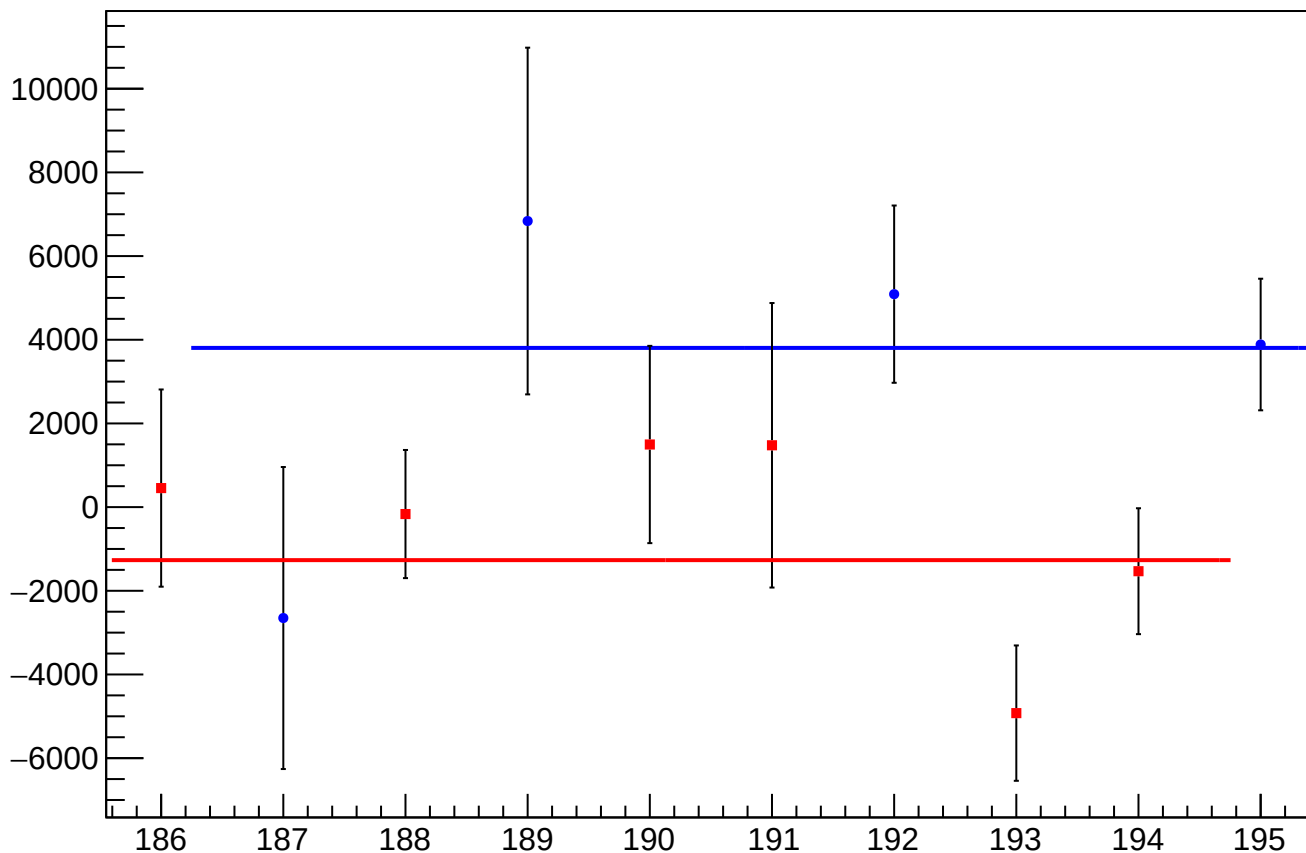
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 5017.426+/-1.708  $\chi^2$ /NDF: 1770134.4/9

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



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



Right In: 3805.236 $\pm$ 1145.438  $\chi^2$ /NDF: 4.1/3

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

Right Out: -1267.286 $\pm$ 767.685  $\chi^2$ /NDF: 8.2/5

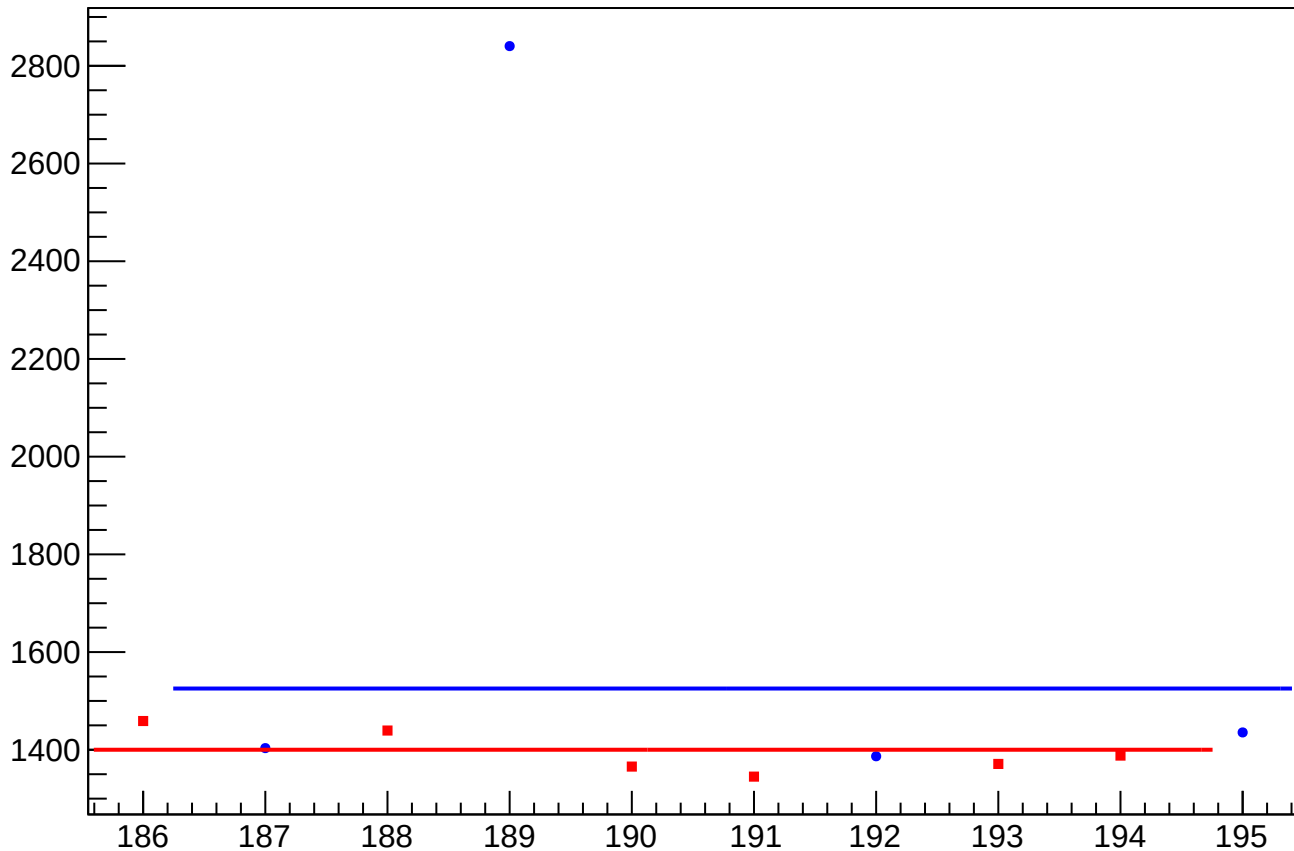
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 304.973 $\pm$ 637.707  $\chi^2$ /NDF: 25.9/9

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

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



Right In: 1525.391 $\pm$ 0.810  $\chi^2$ /NDF: 218830.1/3

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

Right Out: 1400.086 $\pm$ 0.543  $\chi^2$ /NDF: 4285.7/5

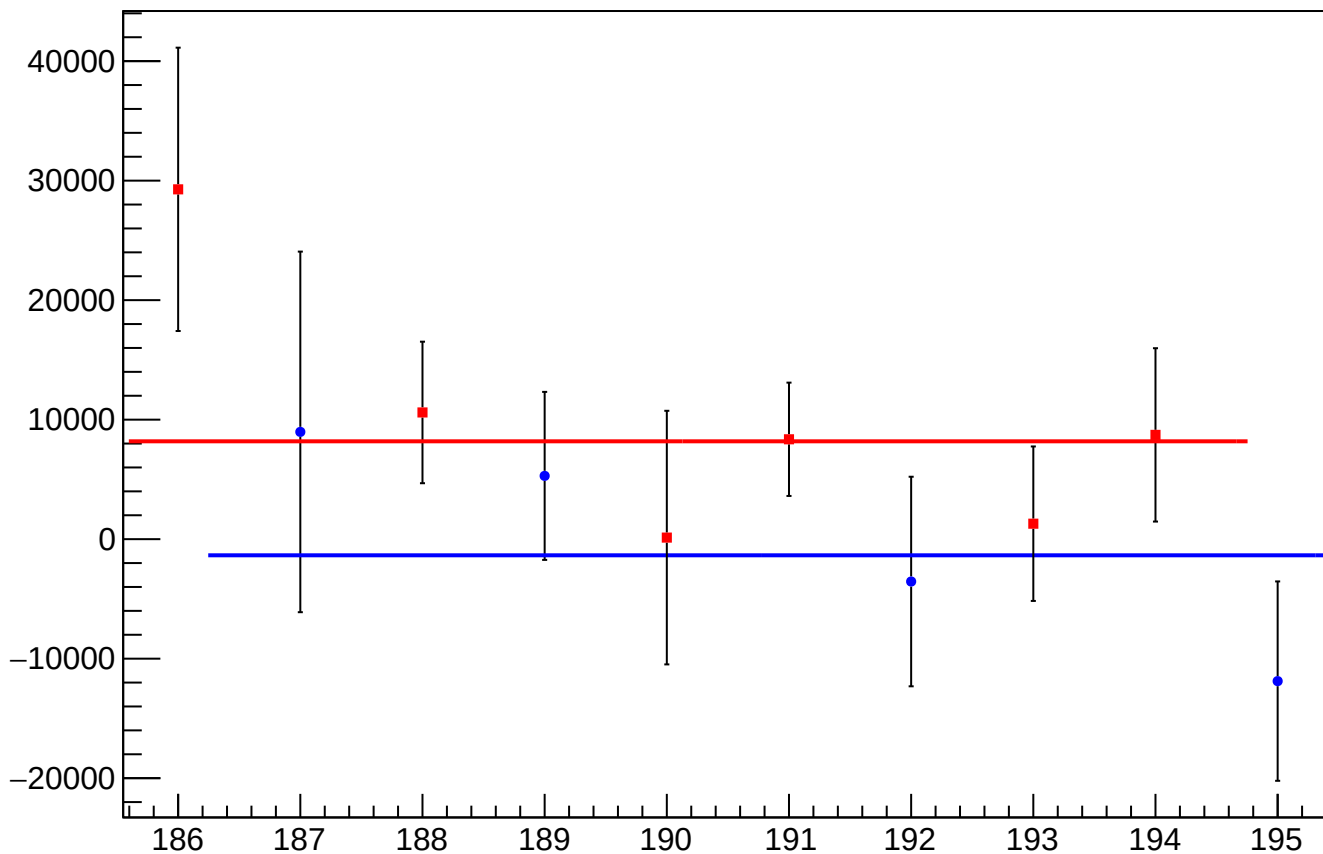
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1438.925 $\pm$ 0.451  $\chi^2$ /NDF: 239631.5/9

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

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



Right In: -1350.545+/-4384.901  $\chi^2/\text{NDF}$ : 3.0/3

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

Right Out: 8187.913+/-2752.871  $\chi^2/\text{NDF}$ : 5.1/5

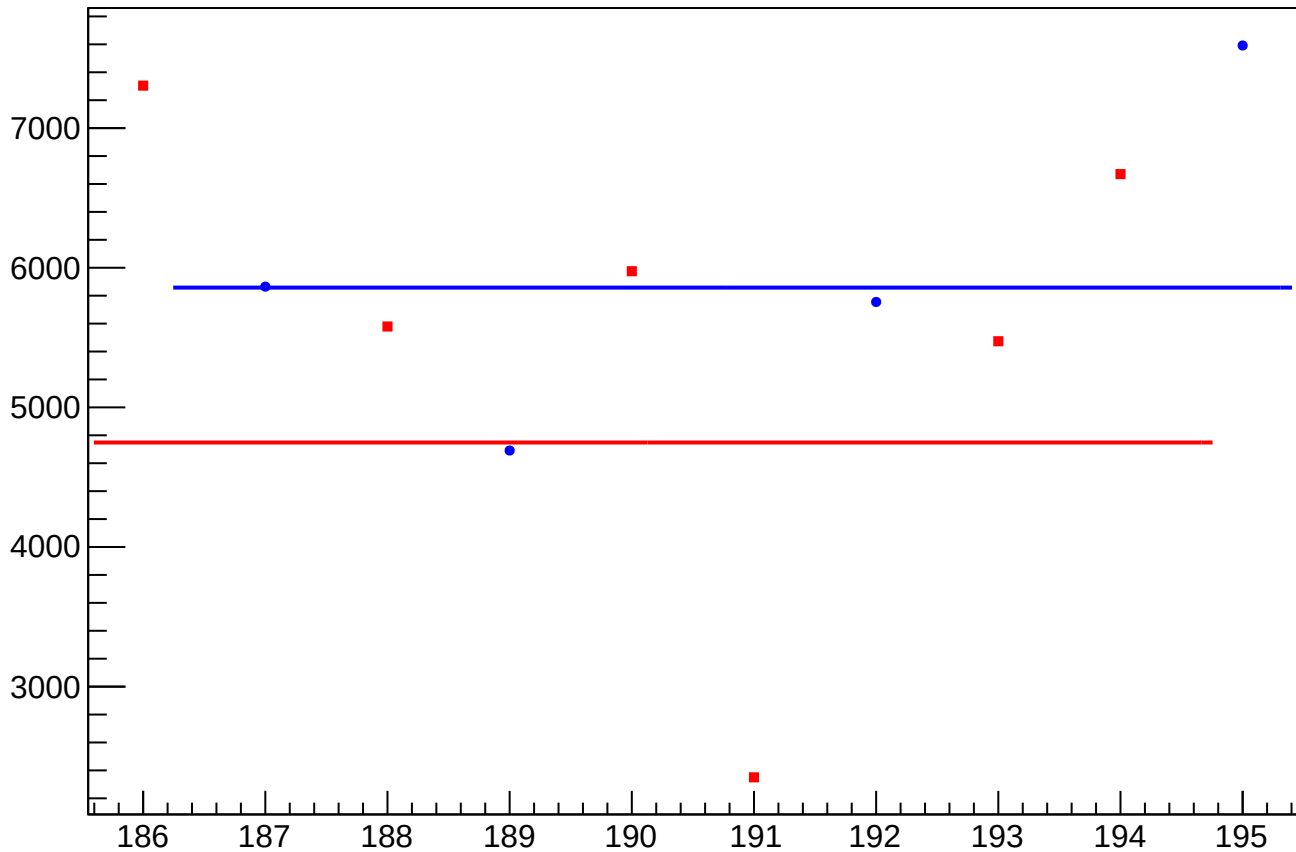
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5491.270+/-2331.484  $\chi^2/\text{NDF}$ : 11.5/9

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

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



Right In: 5857.867+/-3.101  $\chi^2/\text{NDF}$ : 141784.1/3

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

Right Out: 4748.391+/-1.947  $\chi^2/\text{NDF}$ : 836442.3/5

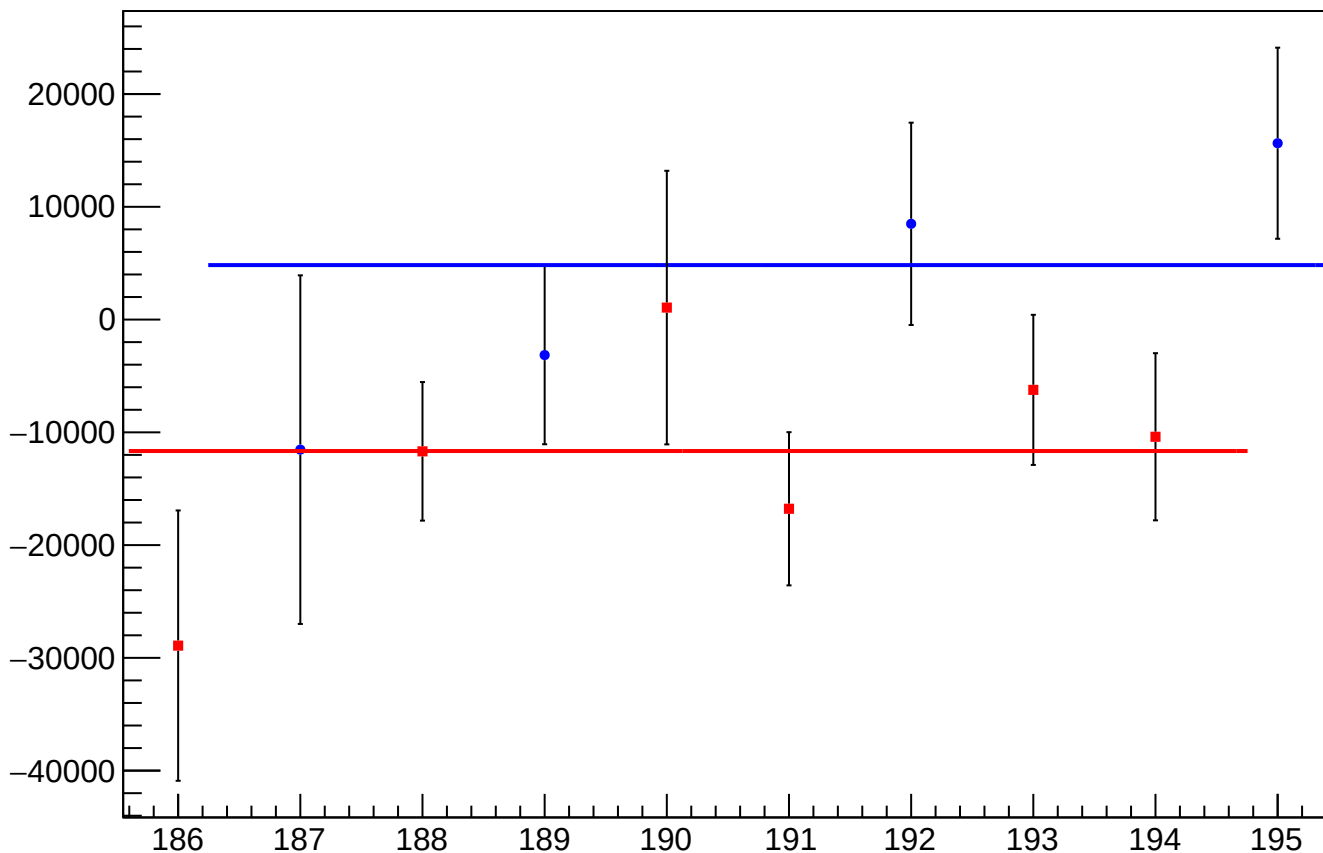
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5062.054+/-1.649  $\chi^2/\text{NDF}$ : 1070067.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: -11656.734 $\pm$ 3120.692  $\chi^2$ /NDF: 4.4/5

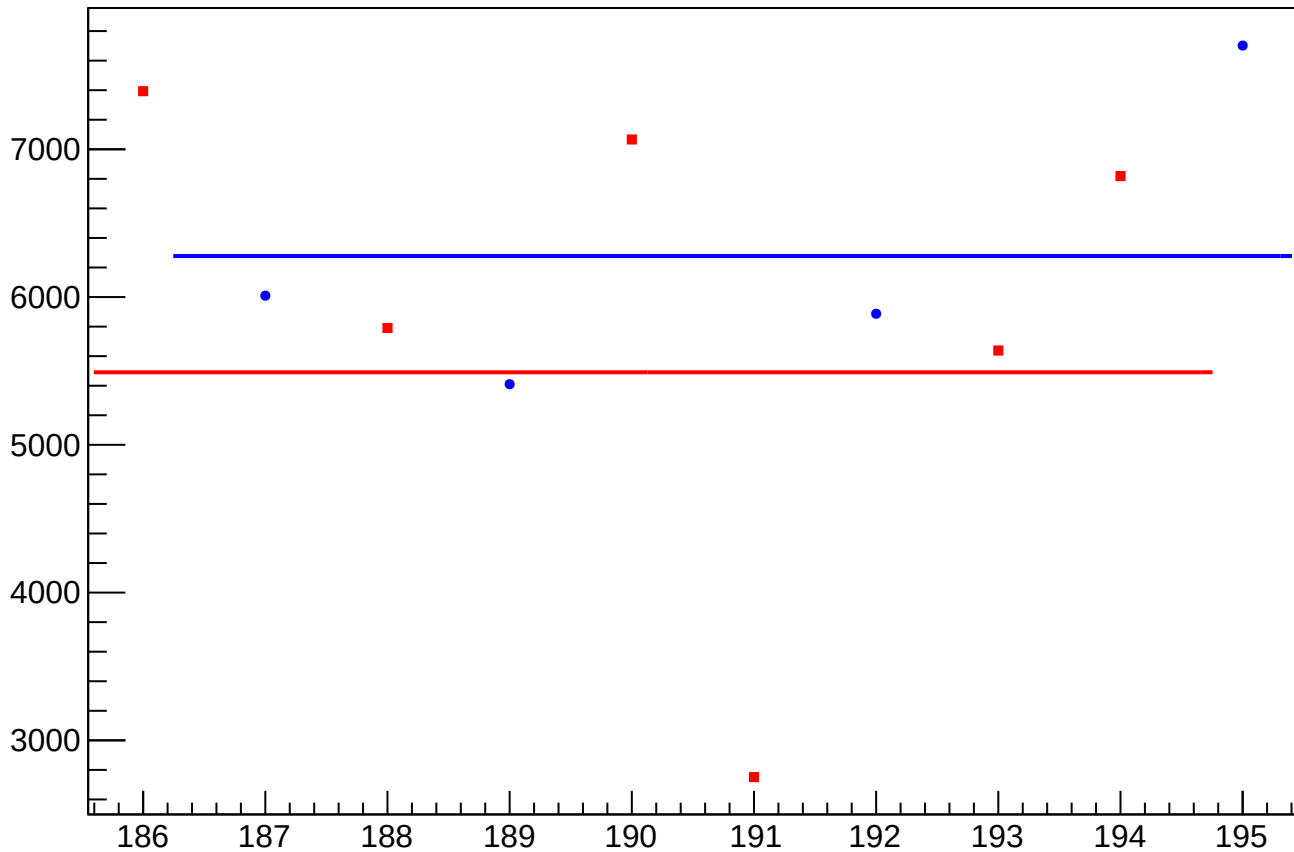
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -6515.653 $\pm$ 2588.856  $\chi^2$ /NDF: 17.1/9

- 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: 5490.991+/-2.207  $\chi^2/\text{NDF}$ : 479285.2/5

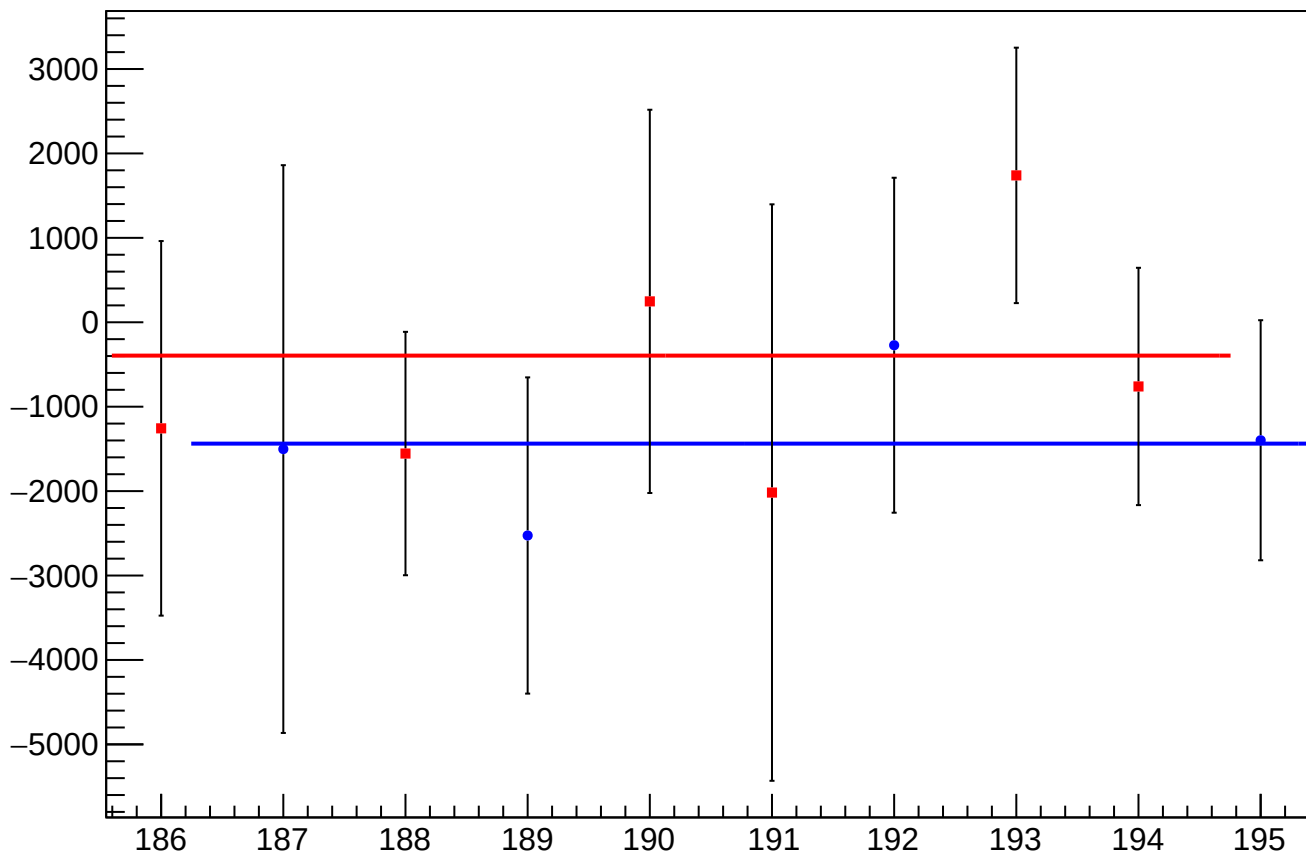
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5736.239+/-1.831  $\chi^2/\text{NDF}$ : 603859.6/9

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

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



Right In: -1437.492 $\pm$ 943.976  $\chi^2$ /NDF: 0.7/3

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

Right Out: -394.905 $\pm$ 724.086  $\chi^2$ /NDF: 3.2/5

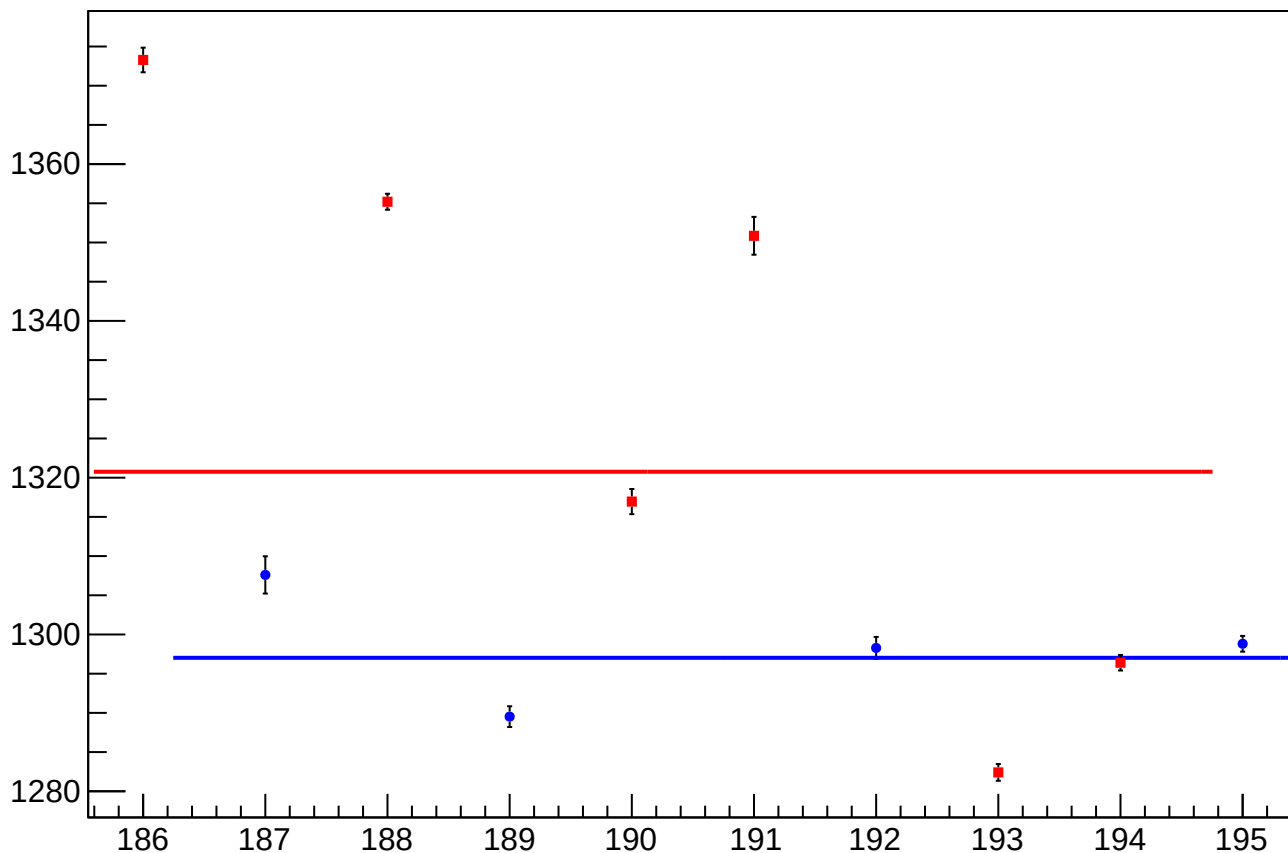
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -781.108 $\pm$ 574.530  $\chi^2$ /NDF: 4.6/9

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

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



Right In: 1297.025 $\pm$ 0.667  $\chi^2$ /NDF: 55.8/3

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

Right Out: 1320.759 $\pm$ 0.512  $\chi^2$ /NDF: 4309.5/5

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

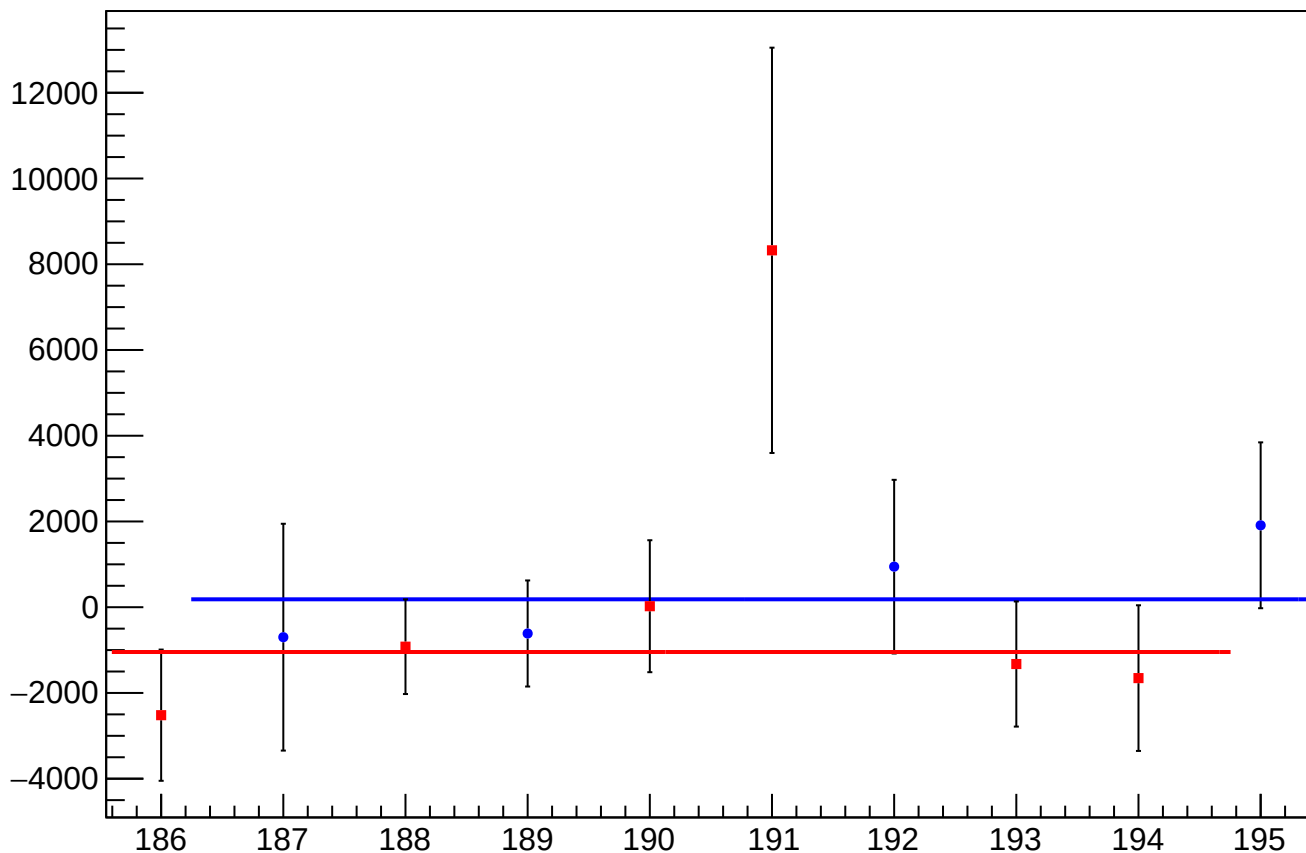
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1311.967 $\pm$ 0.406  $\chi^2$ /NDF: 5161.3/9

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



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



Right In:  $184.165 \pm 874.623$   $\chi^2/\text{NDF}$ : 1.5/3

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

Right Out:  $-1044.884 \pm 628.779$   $\chi^2/\text{NDF}$ : 5.5/5

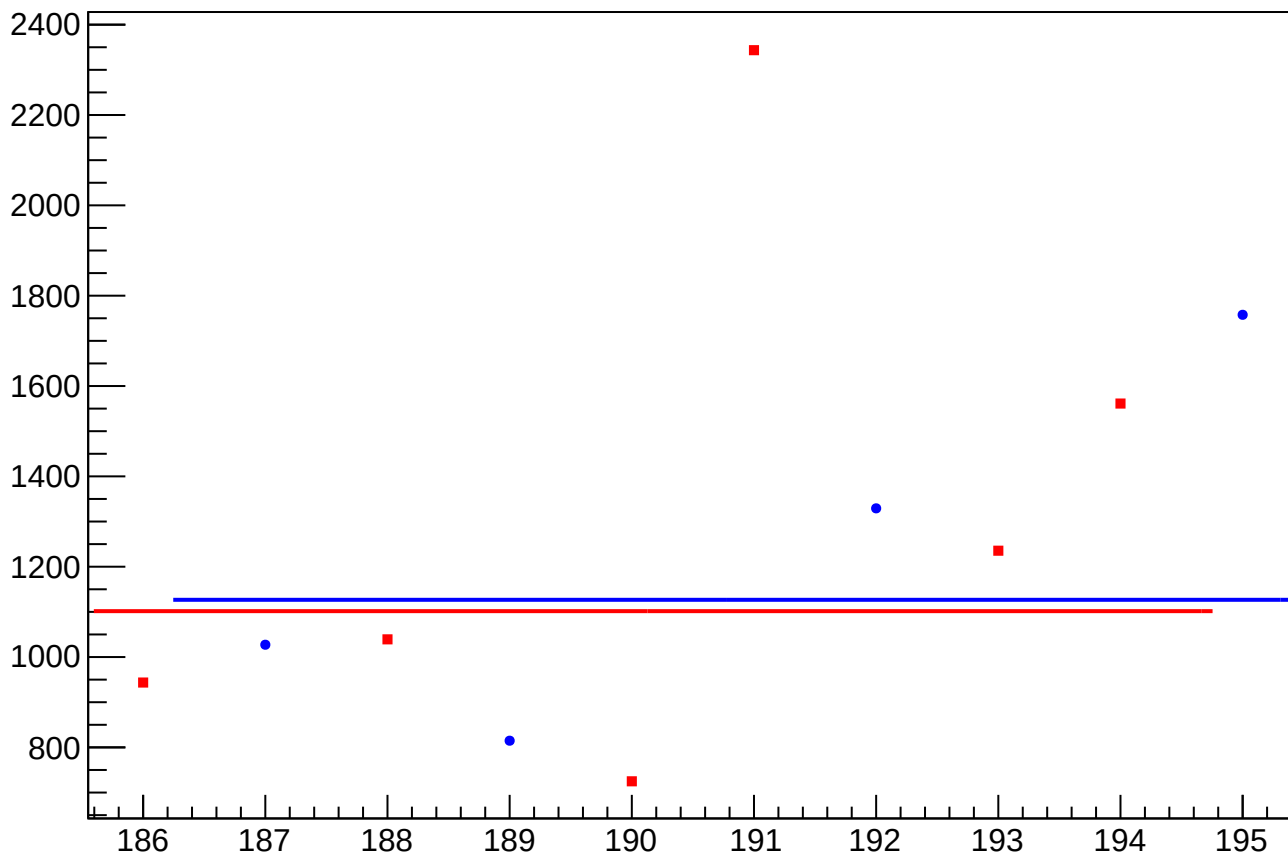
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-626.106 \pm 510.539$   $\chi^2/\text{NDF}$ : 8.3/9

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

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



Right In: 1126.720 $\pm$ 0.618  $\chi^2$ /NDF: 362743.7/3

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

Right Out: 1101.604 $\pm$ 0.445  $\chi^2$ /NDF: 448748.0/5

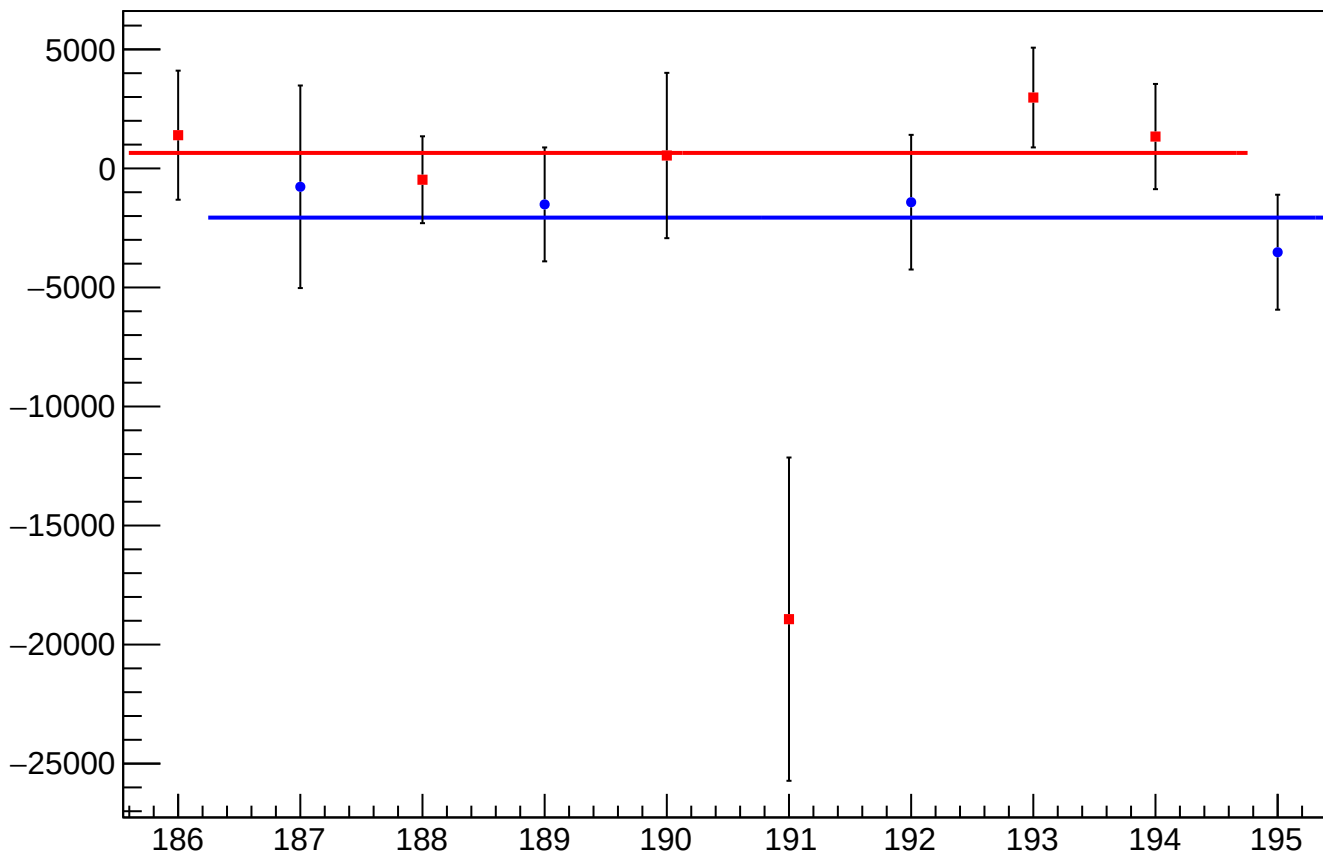
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1110.162 $\pm$ 0.361  $\chi^2$ /NDF: 812579.1/9

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

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



Right In:  $-2065.689 \pm 1378.162$   $\chi^2/\text{NDF}$ : 0.6/3

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

Right Out:  $651.170 \pm 1013.355$   $\chi^2/\text{NDF}$ : 10.1/5

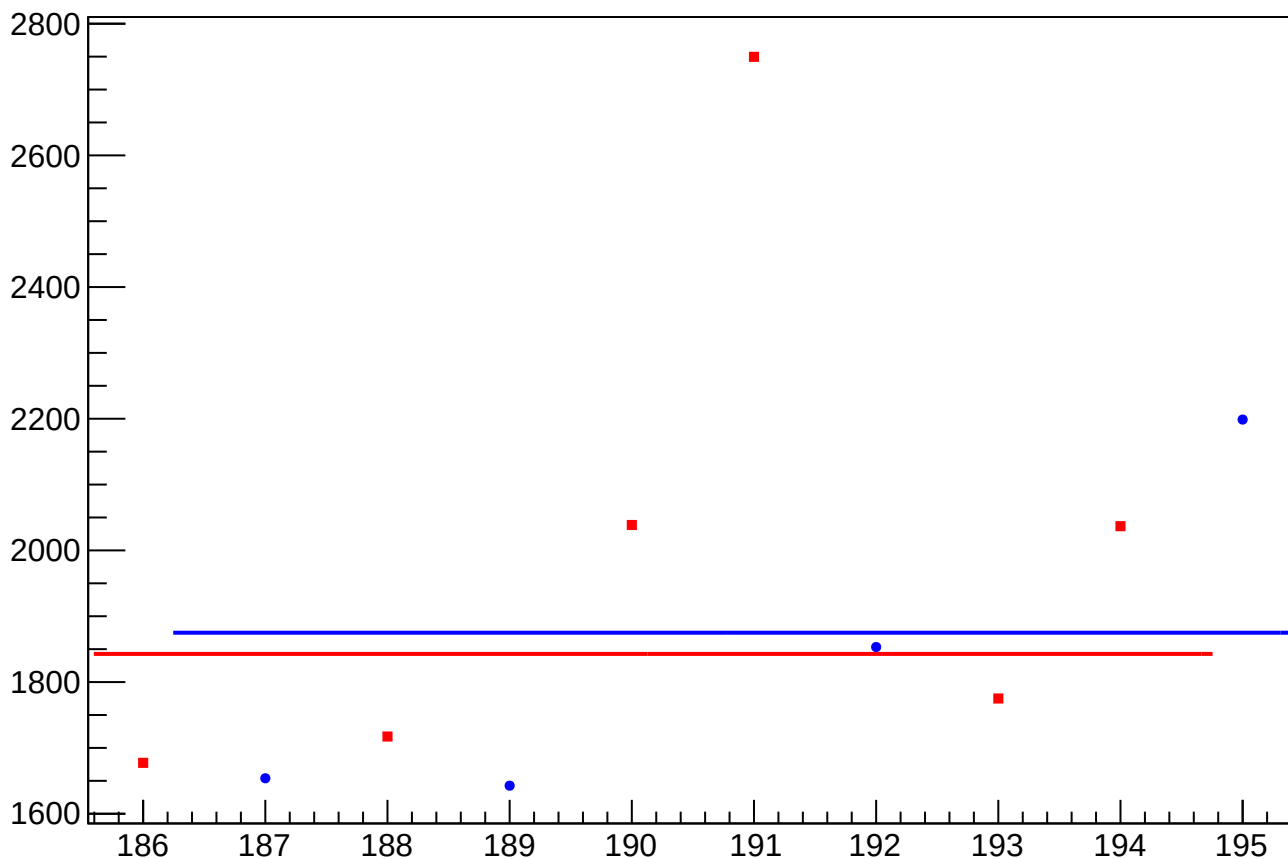
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-302.248 \pm 816.410$   $\chi^2/\text{NDF}$ : 13.2/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 1842.784 $\pm$ 0.717  $\chi^2$ /NDF: 76461.7/5

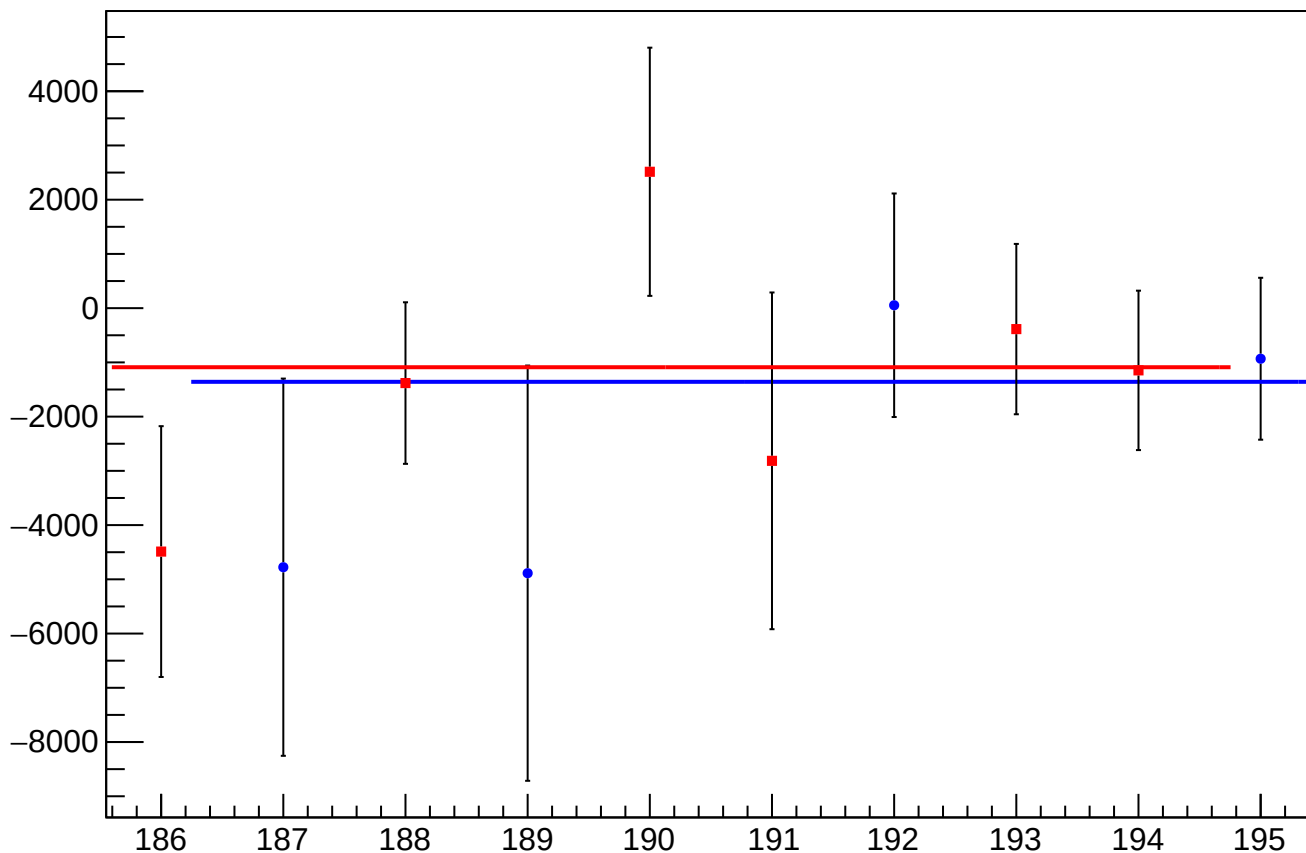
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1854.082 $\pm$ 0.577  $\chi^2$ /NDF: 137506.7/9

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

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



Right In: -1358.212 $\pm$ 1094.275  $\chi^2$ /NDF: 2.4/3

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

Right Out: -1089.169 $\pm$ 745.183  $\chi^2$ /NDF: 5.2/5

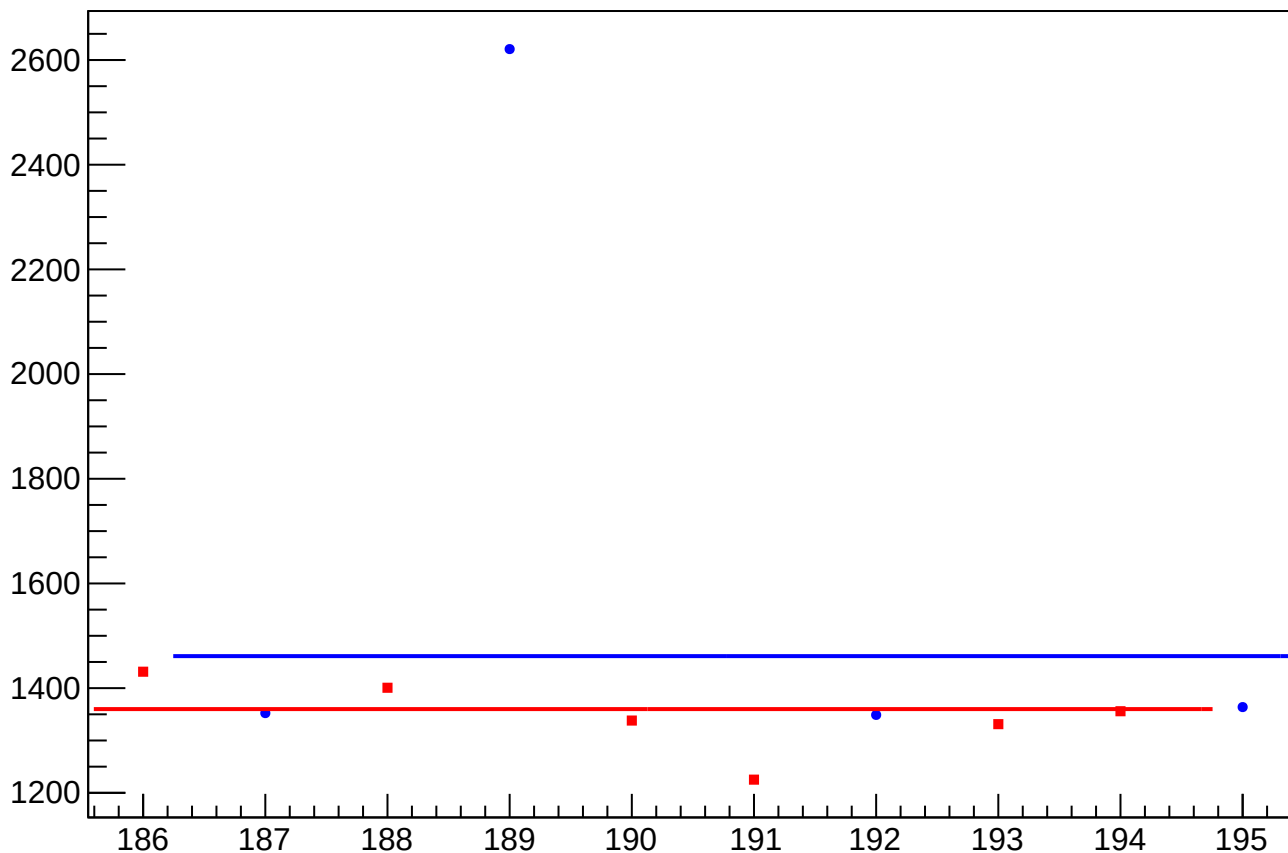
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -1174.407 $\pm$ 615.930  $\chi^2$ /NDF: 7.6/9

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

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



Right In: 1461.165+/-0.774  $\chi^2/\text{NDF}$ : 199938.6/3

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

Right Out: 1359.982+/-0.527  $\chi^2/\text{NDF}$ : 8046.1/5

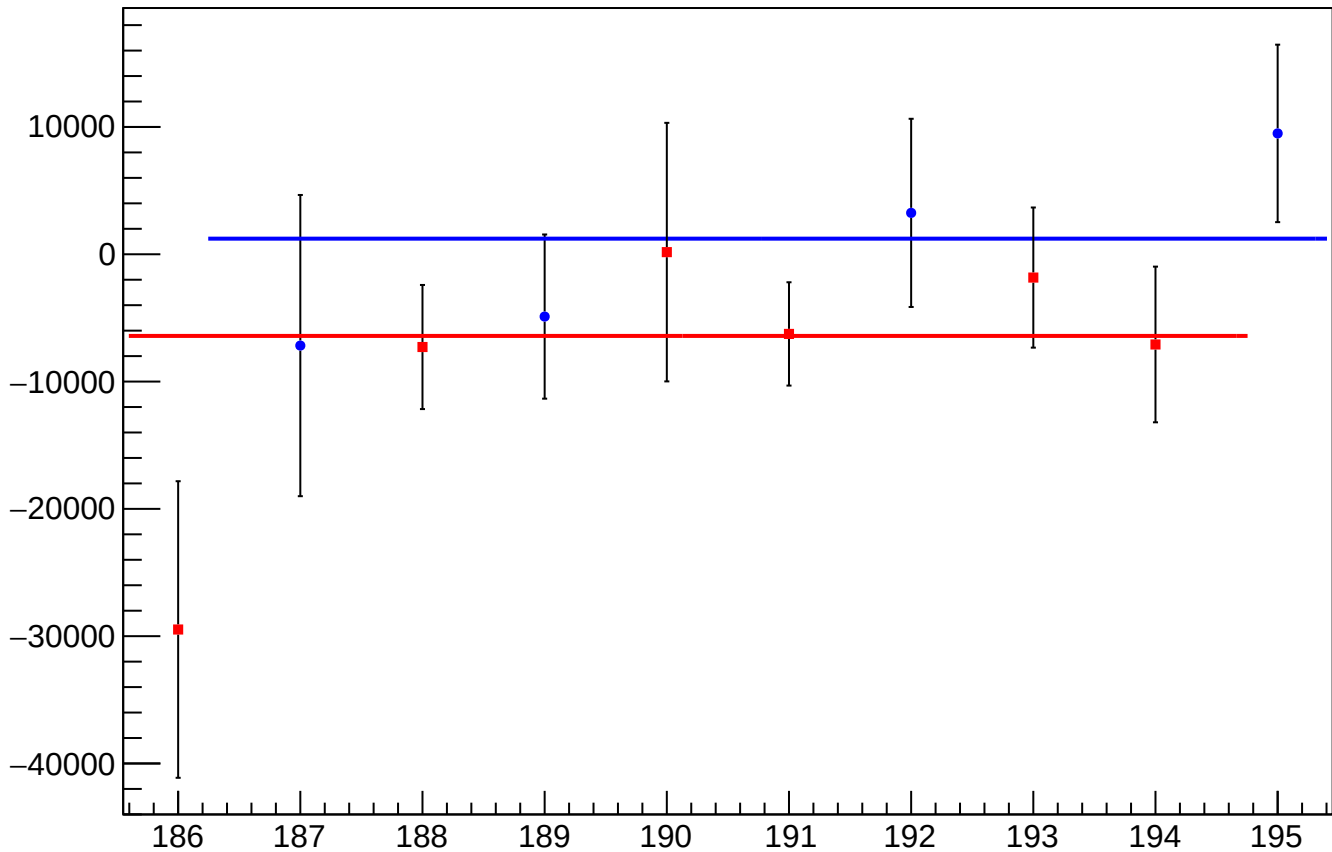
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1392.038+/-0.436  $\chi^2/\text{NDF}$ : 219667.0/9

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

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



Right In: 1226.519 $\pm$ 3777.611  $\chi^2$ /NDF: 2.9/3

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

Right Out: -6414.115 $\pm$ 2359.558  $\chi^2$ /NDF: 5.1/5

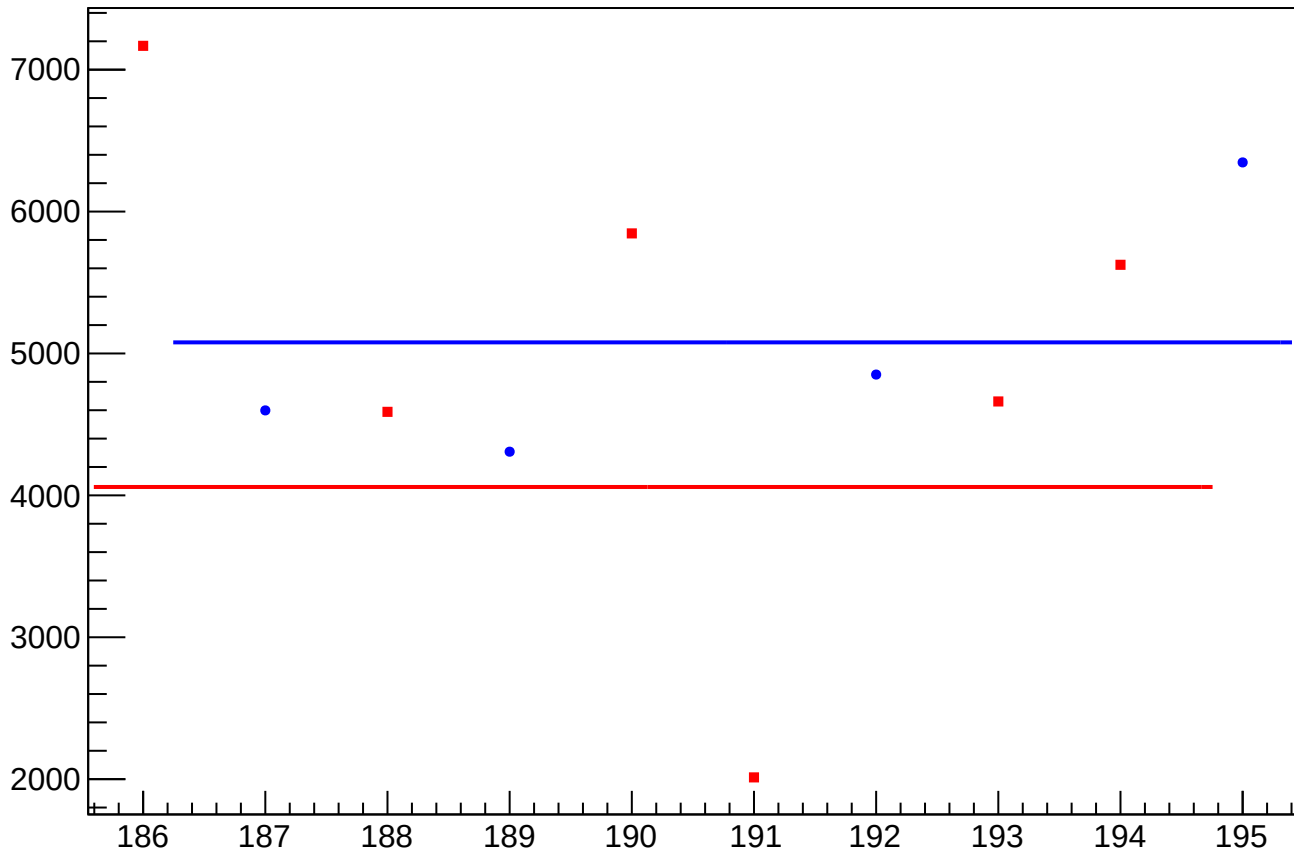
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -4269.764 $\pm$ 2001.246  $\chi^2$ /NDF: 10.9/9

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

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



Right In: 5078.181+/-2.671  $\chi^2$ /NDF: 99917.3/3

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

Right Out: 4059.106+/-1.668  $\chi^2$ /NDF: 891809.2/5

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

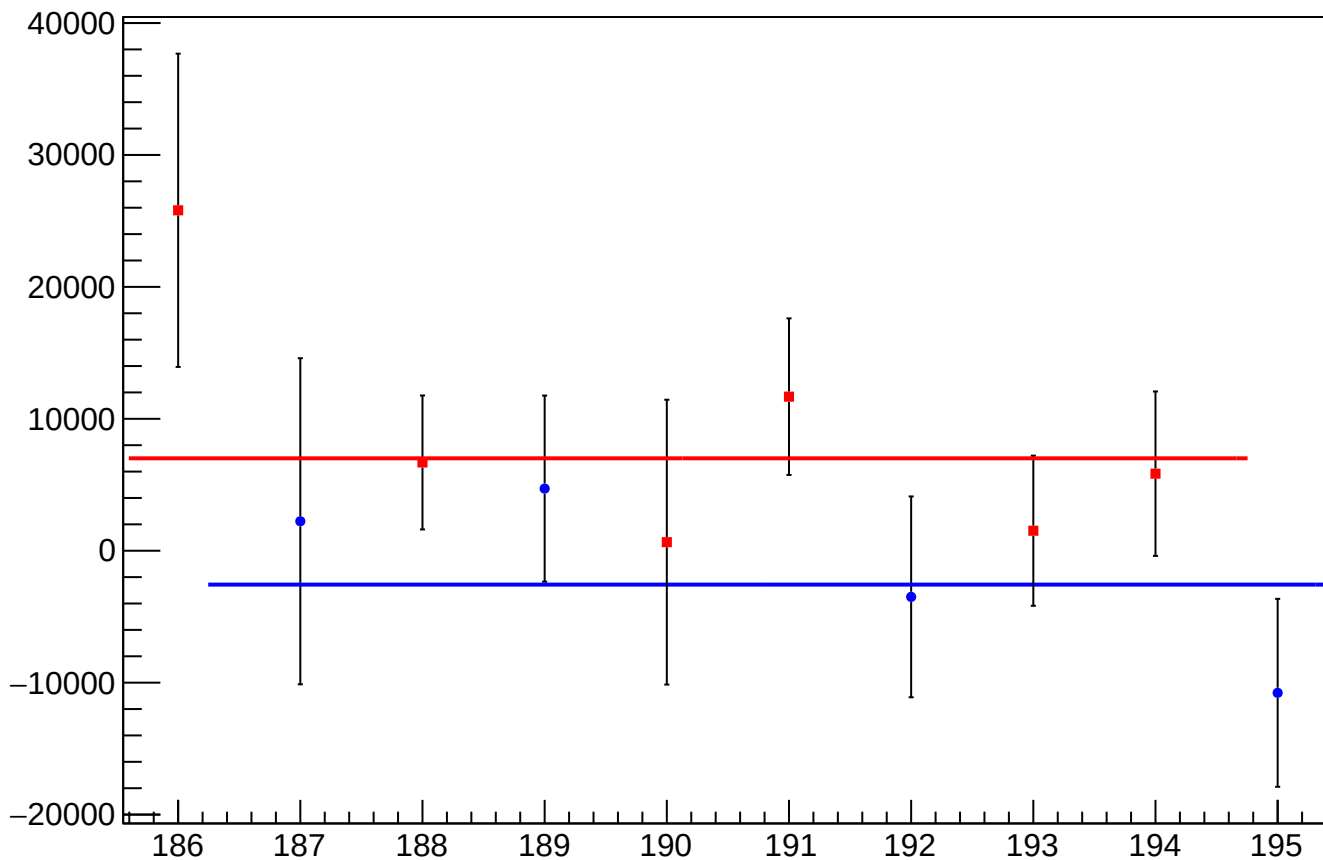
+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 4345.110+/-1.415  $\chi^2$ /NDF: 1096426.6/9

- sign 0.000+/-0.000  $\chi^2$ /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: 7005.012+/-2677.581  $\chi^2/\text{NDF}$ : 4.4/5

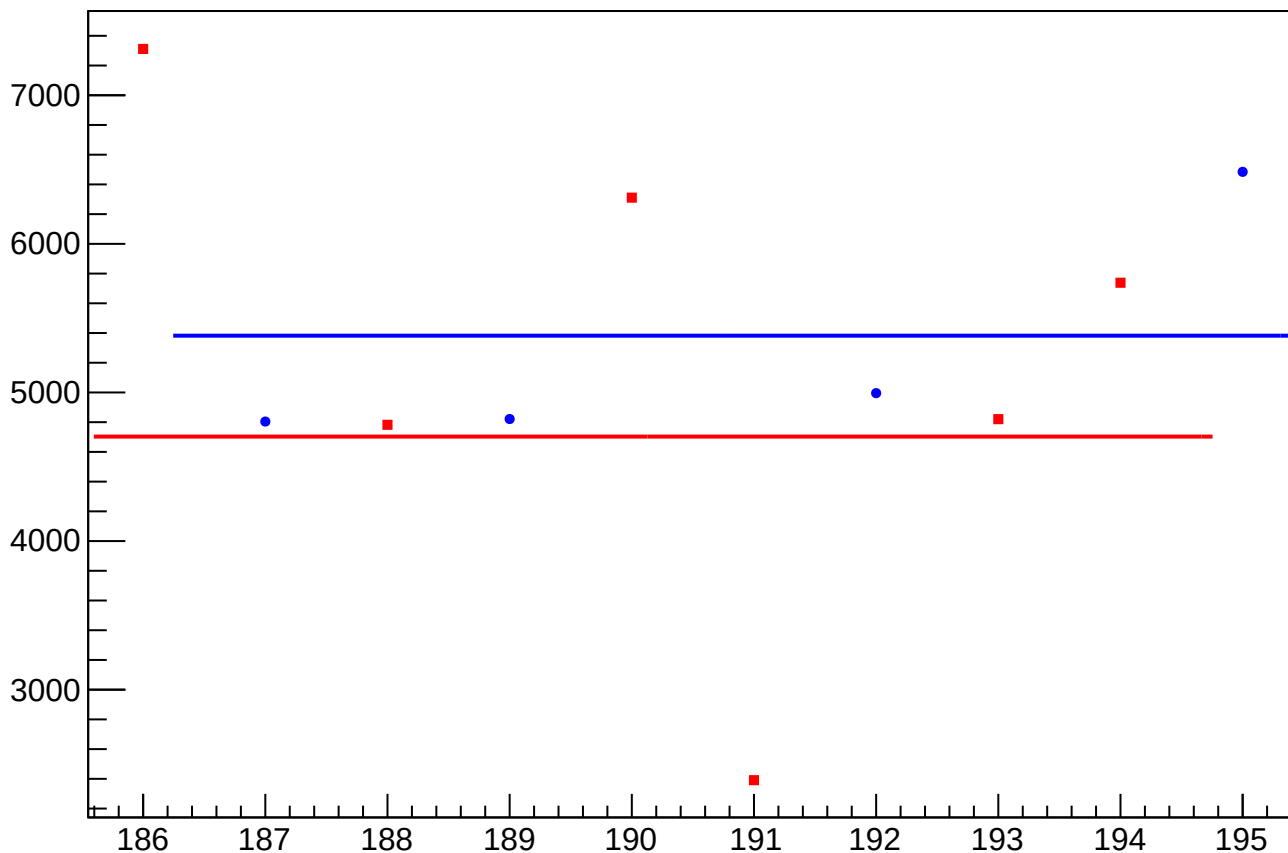
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 4006.546+/-2218.909  $\chi^2/\text{NDF}$ : 11.0/9

- 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: 4703.051+/-1.893  $\chi^2/\text{NDF}$ : 501045.5/5

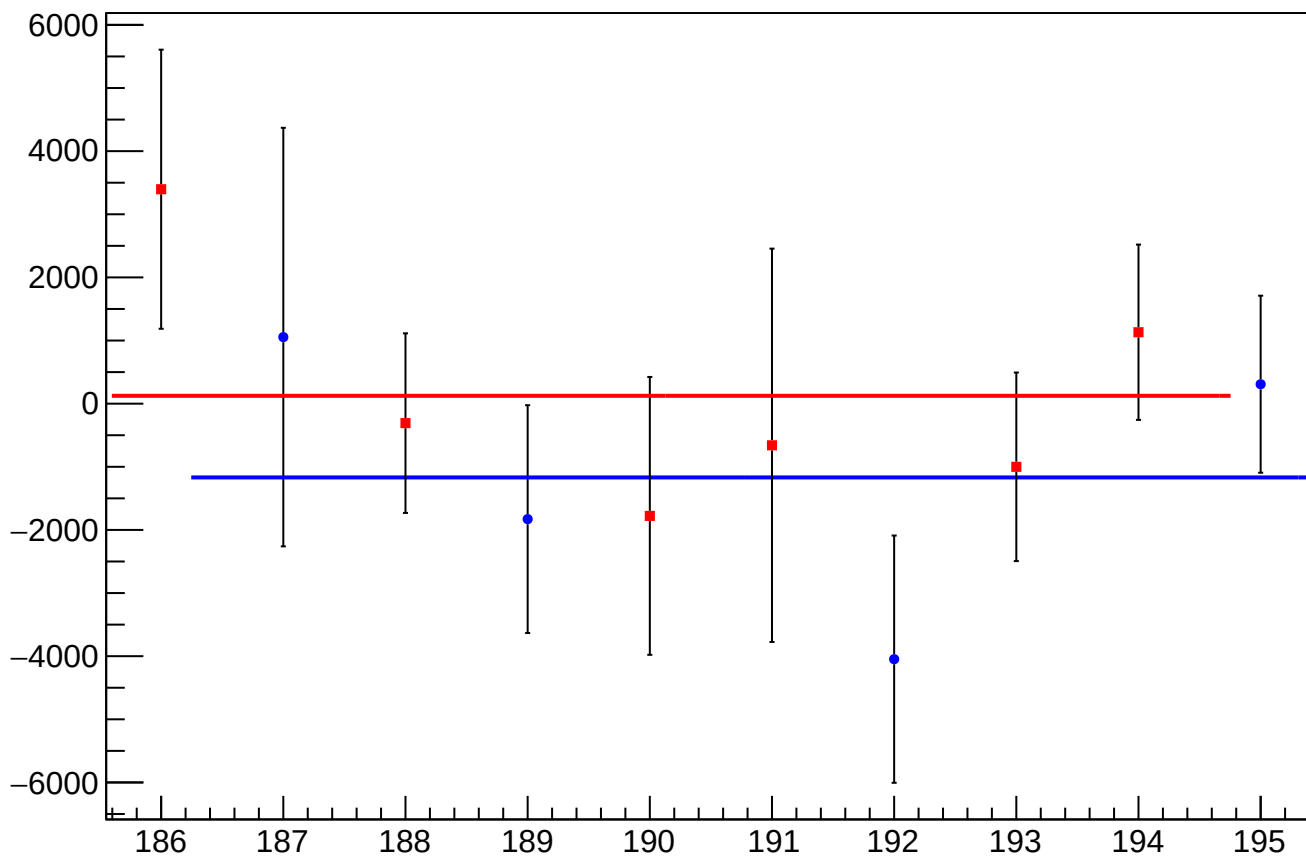
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 4915.753+/-1.569  $\chi^2/\text{NDF}$ : 611426.8/9

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

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



Right In: -1168.559 $\pm$ 925.504  $\chi^2$ /NDF: 3.9/3

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

Right Out: 124.615 $\pm$ 711.489  $\chi^2$ /NDF: 4.2/5

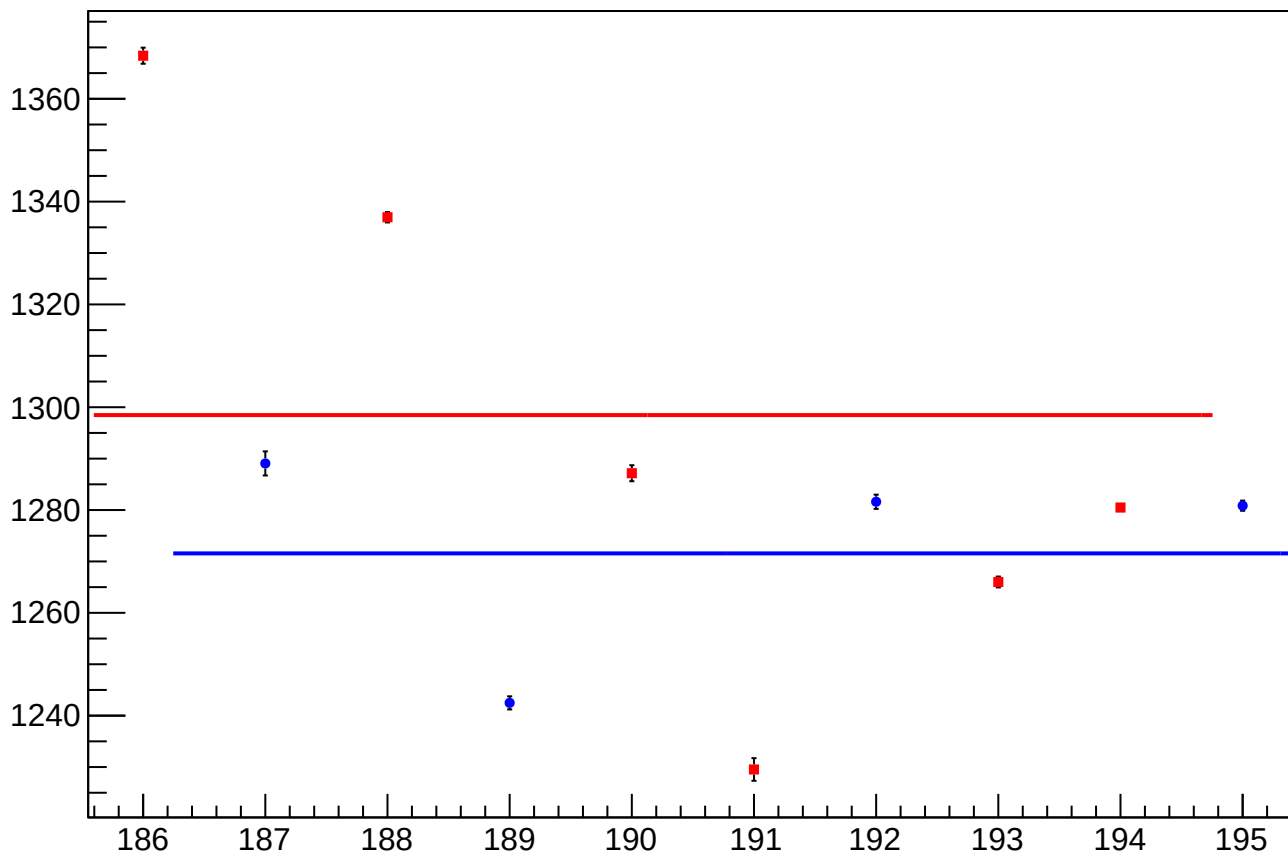
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -355.748 $\pm$ 564.072  $\chi^2$ /NDF: 9.3/9

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

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



Right In: 1271.565 $\pm$ 0.654  $\chi^2$ /NDF: 715.4/3

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

Right Out: 1298.472 $\pm$ 0.503  $\chi^2$ /NDF: 5777.7/5

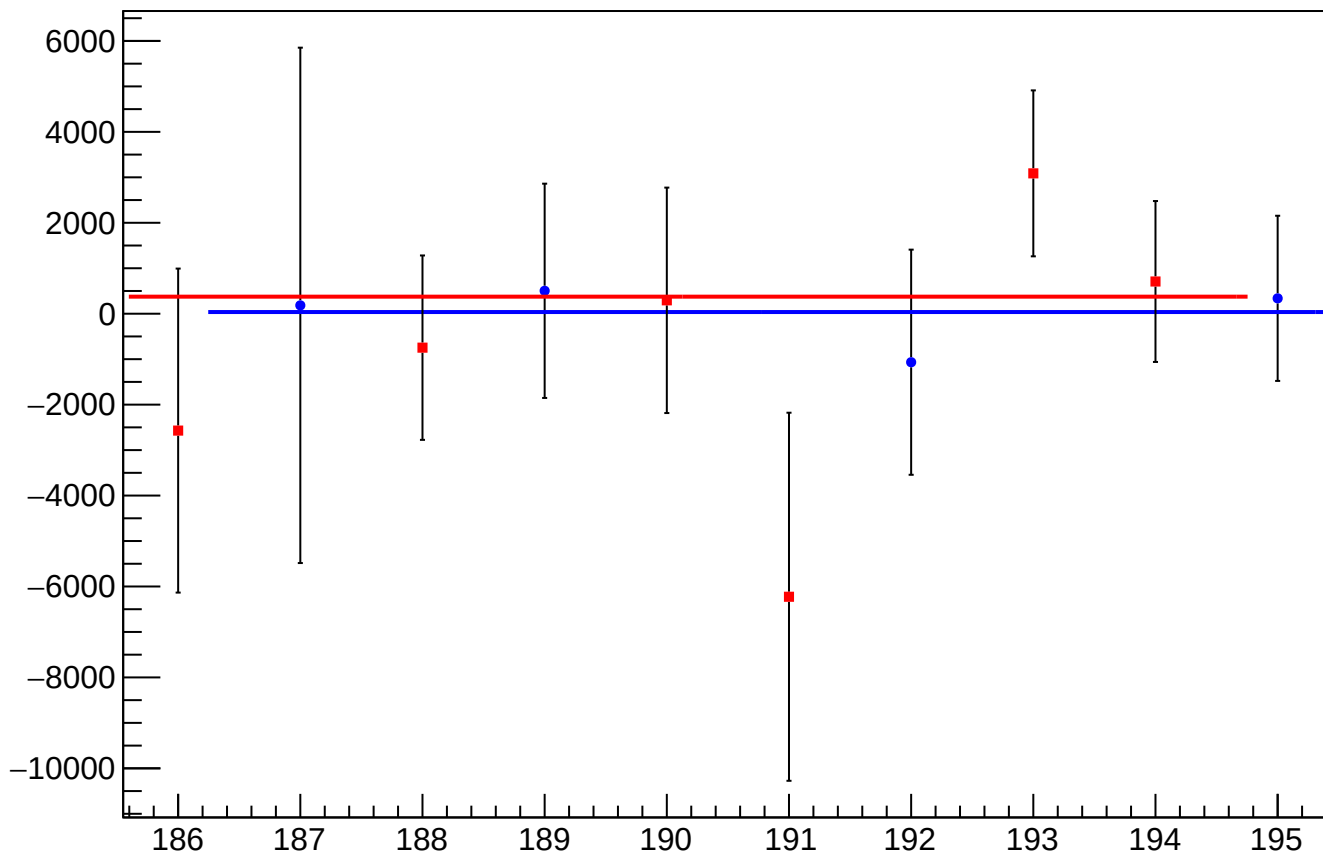
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1288.477 $\pm$ 0.399  $\chi^2$ /NDF: 7555.7/9

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

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



Right In: 36.831+/-1215.043  $\chi^2/\text{NDF}$ : 0.3/3

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

Right Out: 375.140+/-926.457  $\chi^2/\text{NDF}$ : 5.9/5

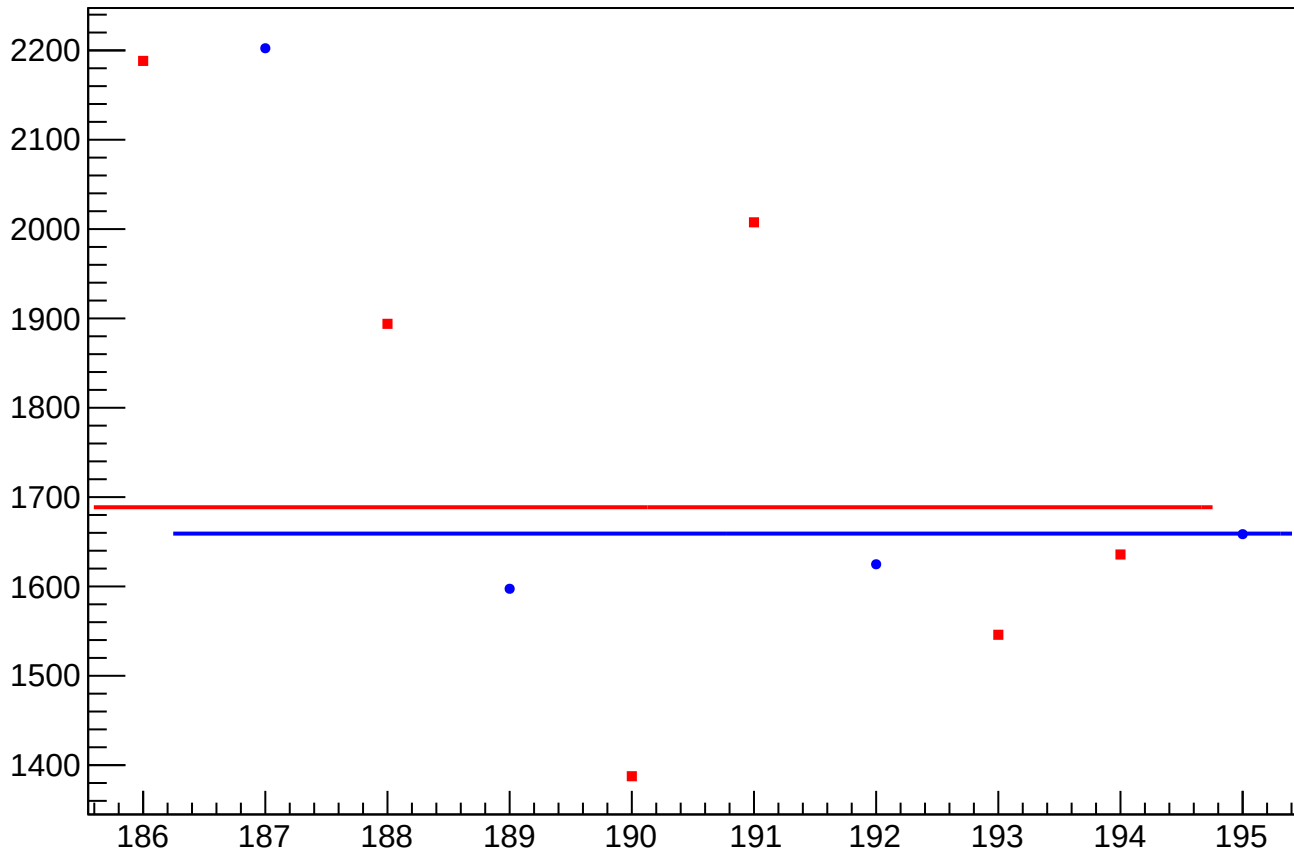
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 250.762+/-736.726  $\chi^2/\text{NDF}$ : 6.2/9

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

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



Right In: 1659.150+/-0.859  $\chi^2/\text{NDF}$ : 20130.0/3

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

Right Out: 1688.655+/-0.655  $\chi^2/\text{NDF}$ : 115727.9/5

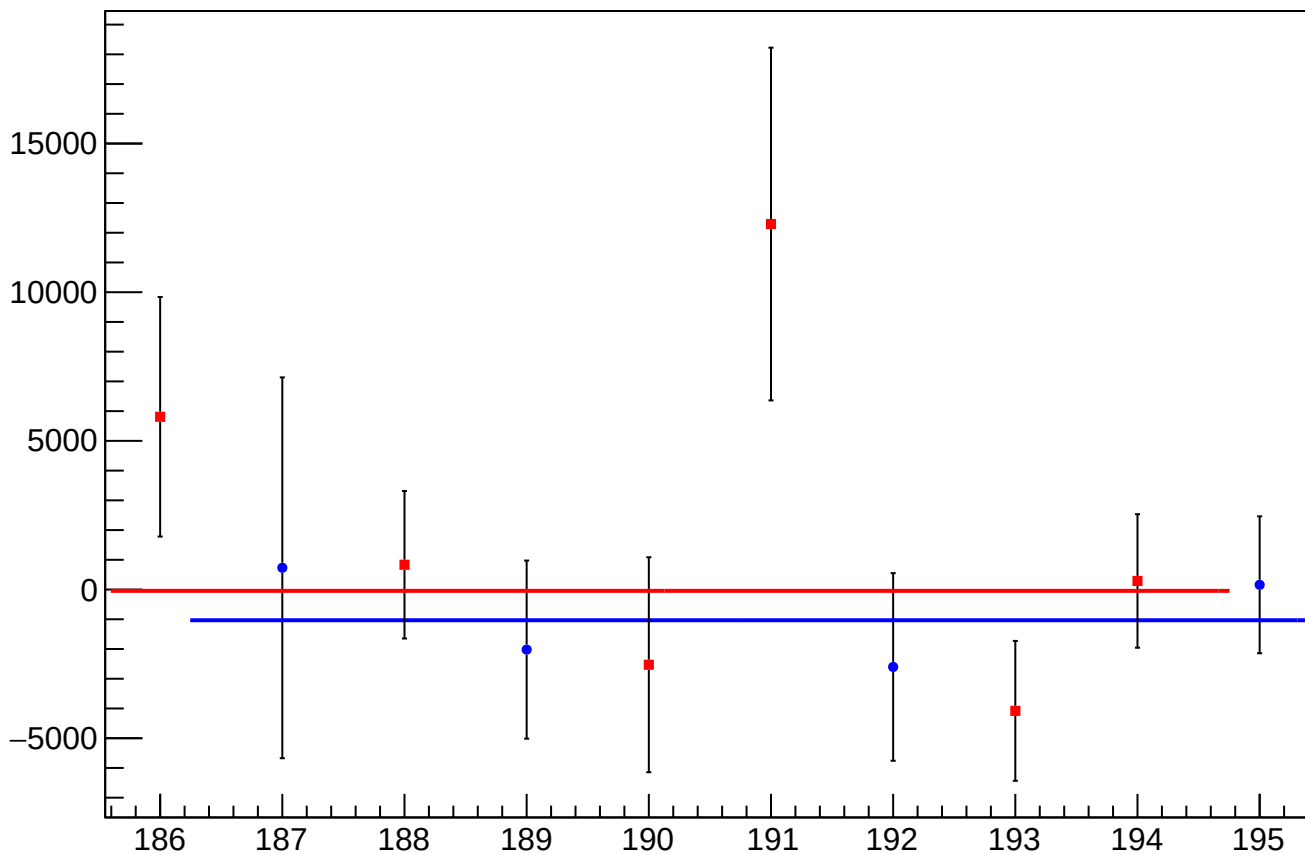
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1677.808+/-0.521  $\chi^2/\text{NDF}$ : 136603.8/9

- 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+/-1534.050  $\chi^2/\text{NDF}$ : 0.7/3

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

Right Out: -43.778+/-1188.248  $\chi^2/\text{NDF}$ : 10.0/5

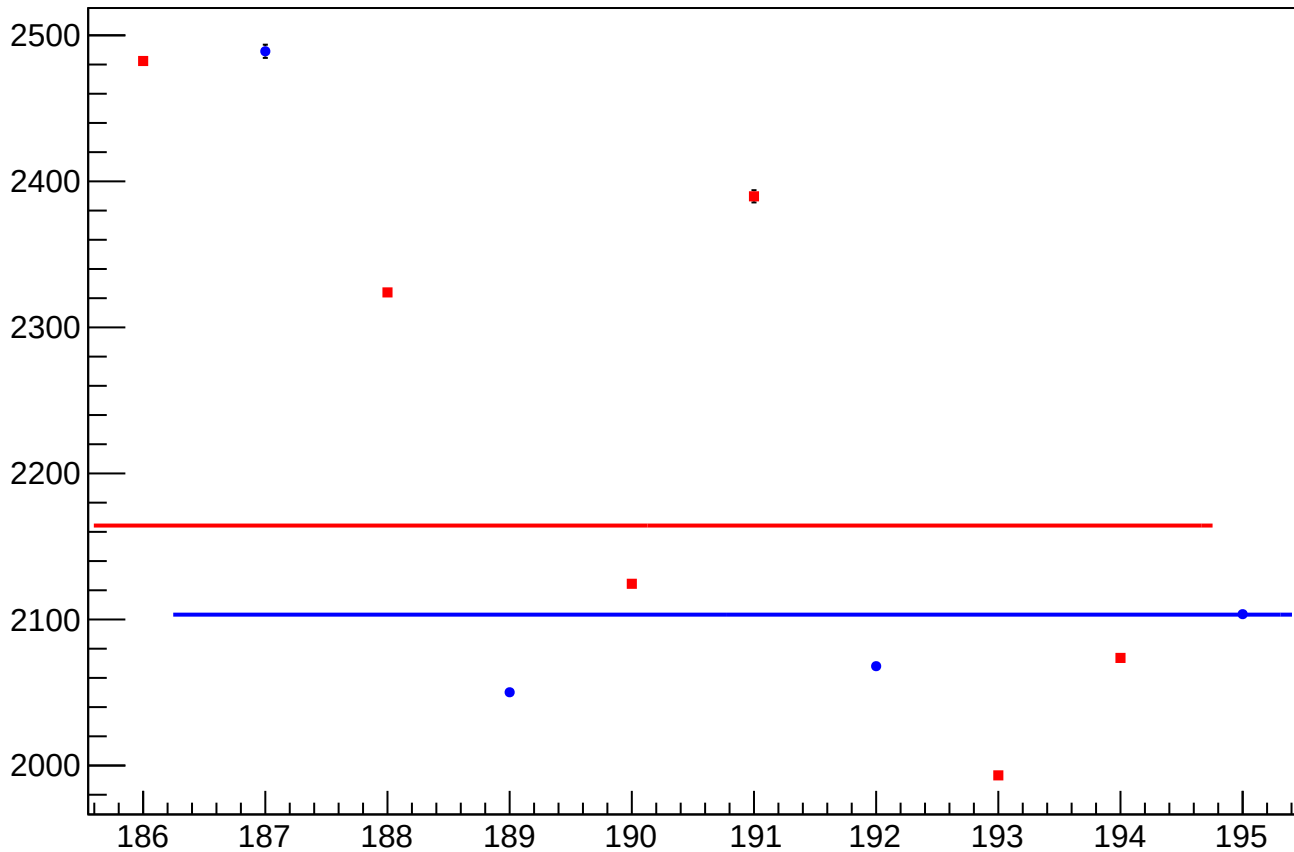
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -414.686+/-939.399  $\chi^2/\text{NDF}$ : 11.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 2164.320 $\pm$ 0.840  $\chi^2$ /NDF: 37722.3/5

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

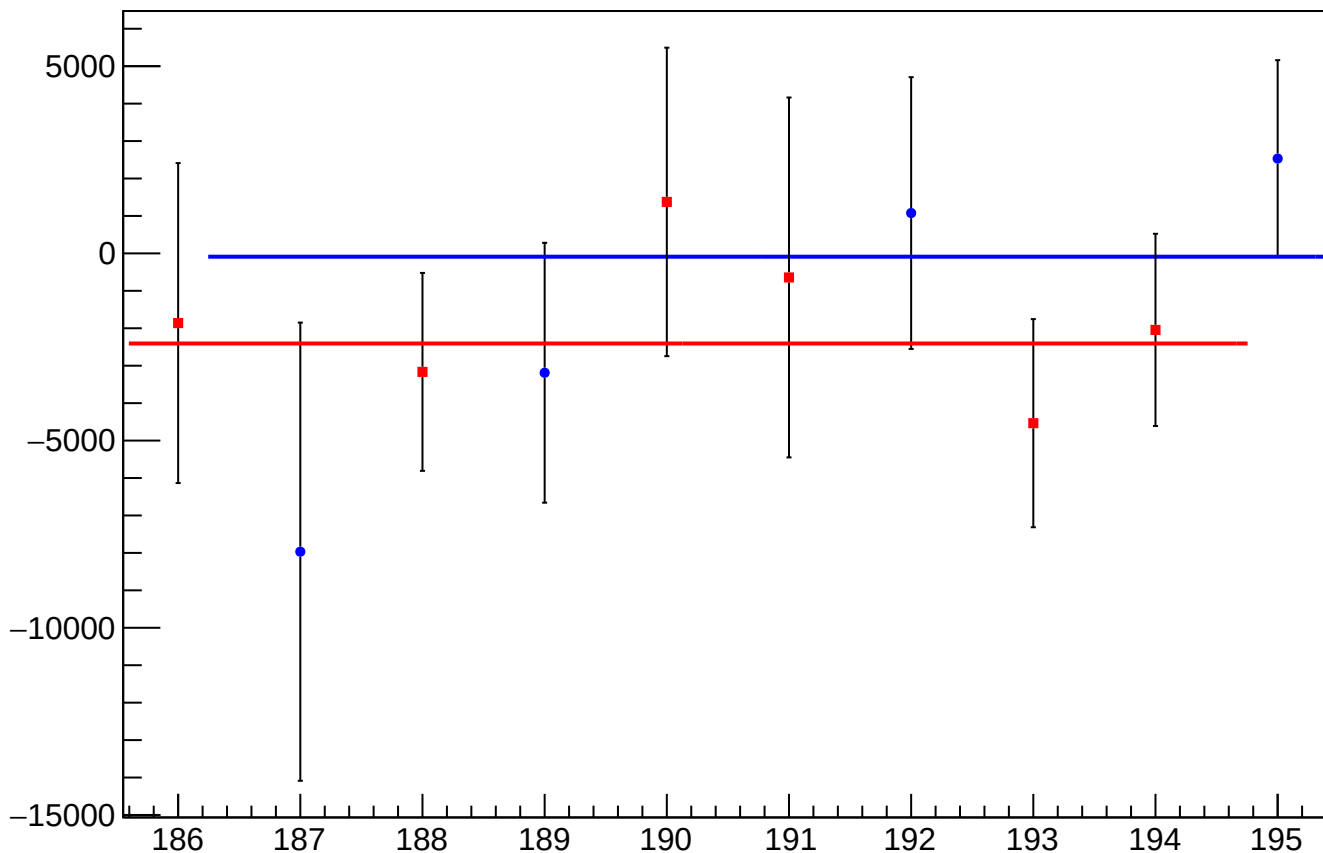
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2141.444 $\pm$ 0.664  $\chi^2$ /NDF: 47836.1/9

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



# dit\_asym\_atl1\_mean vs Slug



Right In:  $-88.530 \pm 1739.760$   $\chi^2/\text{NDF}$ : 3.6/3

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

Right Out:  $-2406.439 \pm 1311.601$   $\chi^2/\text{NDF}$ : 1.7/5

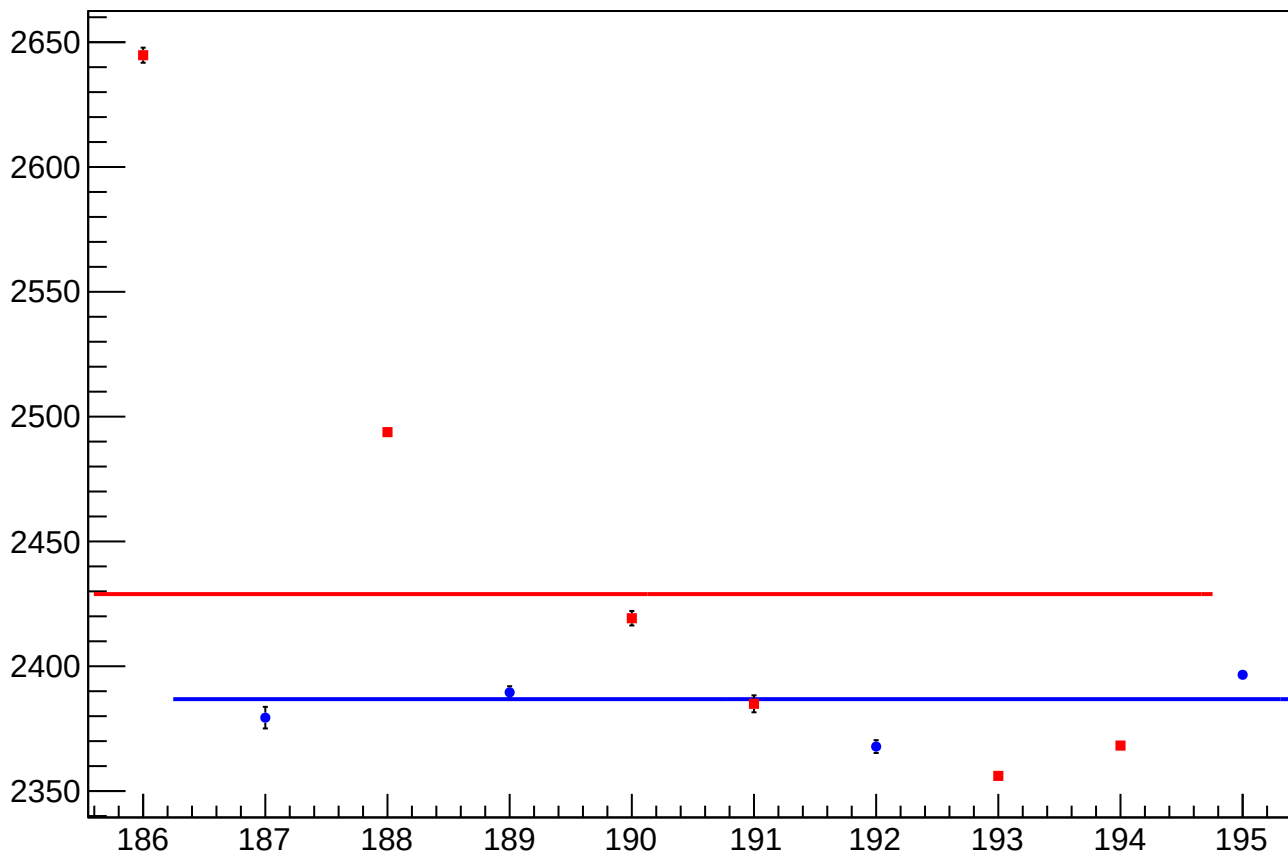
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-1566.447 \pm 1047.318$   $\chi^2/\text{NDF}$ : 6.4/9

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

# dit\_asym\_atl1\_rms vs Slug



Right In: 2386.816 $\pm$ 1.230  $\chi^2$ /NDF: 86.5/3

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

Right Out: 2428.907 $\pm$ 0.927  $\chi^2$ /NDF: 8979.4/5

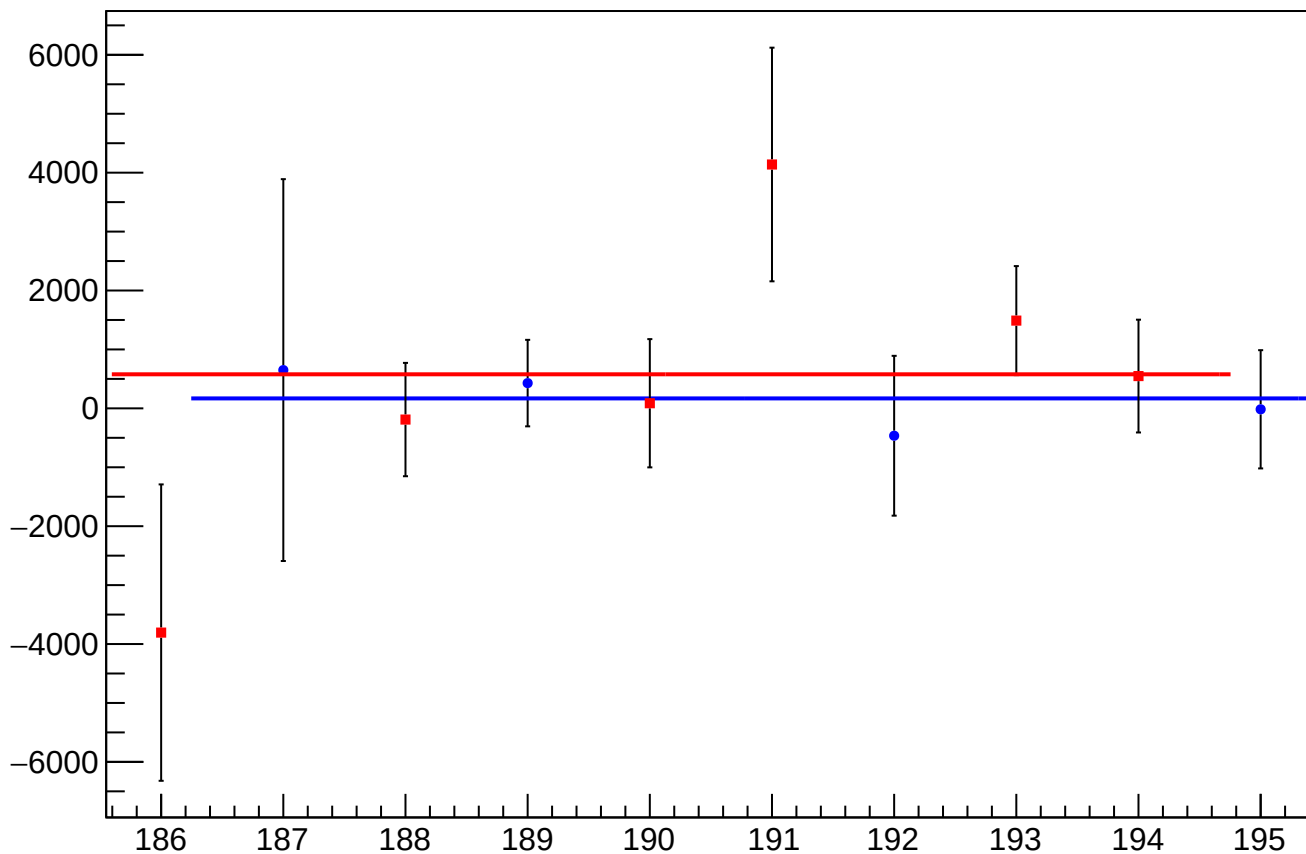
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2413.653 $\pm$ 0.741  $\chi^2$ /NDF: 9812.3/9

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

# asym\_atl1\_correction\_mean vs Slug



Right In: 168.777 $\pm$ 535.462  $\chi^2$ /NDF: 0.4/3

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

Right Out: 577.967 $\pm$ 466.366  $\chi^2$ /NDF: 8.1/5

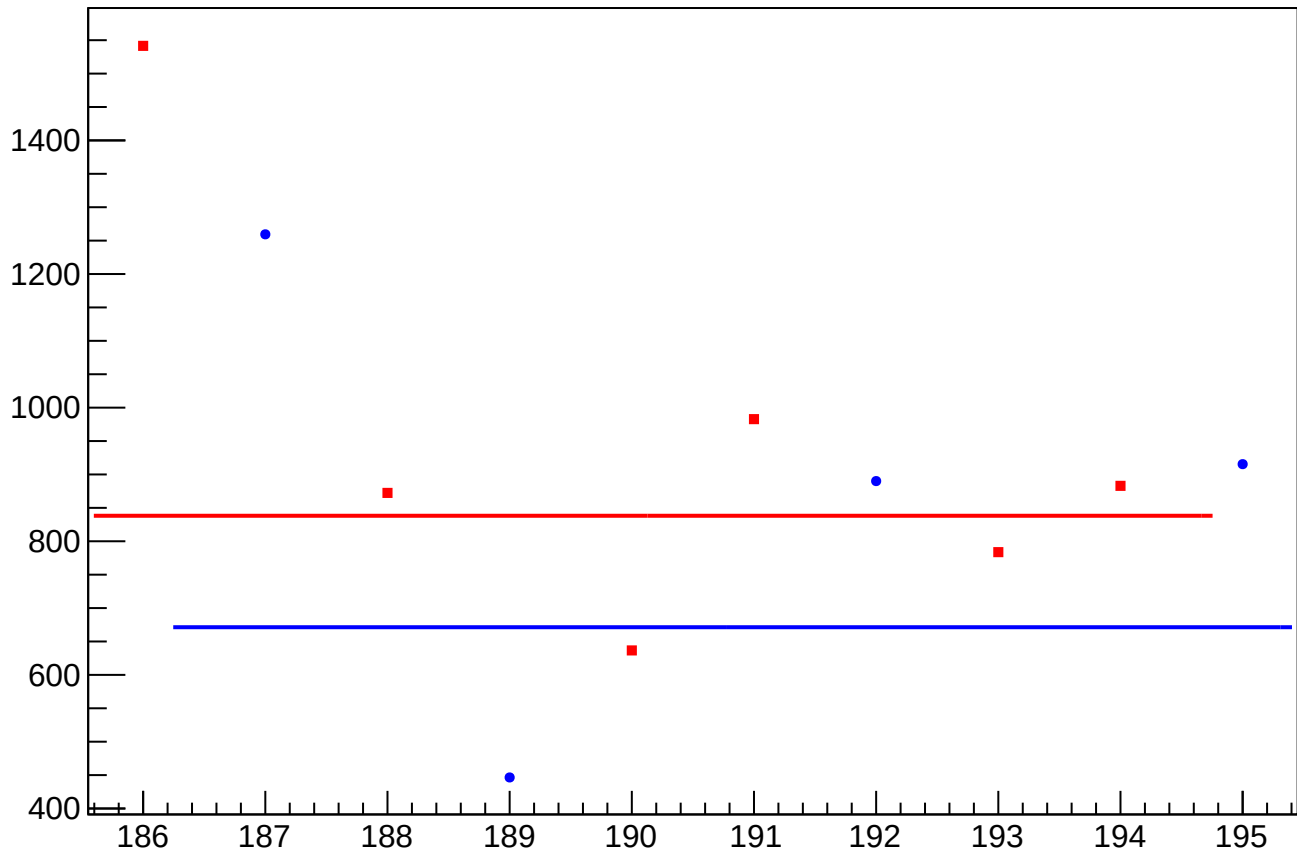
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 401.460 $\pm$ 351.679  $\chi^2$ /NDF: 8.8/9

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

# asym\_atl1\_correction\_rms vs Slug



Right In: 671.340+/-0.379  $\chi^2/\text{NDF}$ : 423905.3/3

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

Right Out: 838.175+/-0.330  $\chi^2/\text{NDF}$ : 249472.1/5

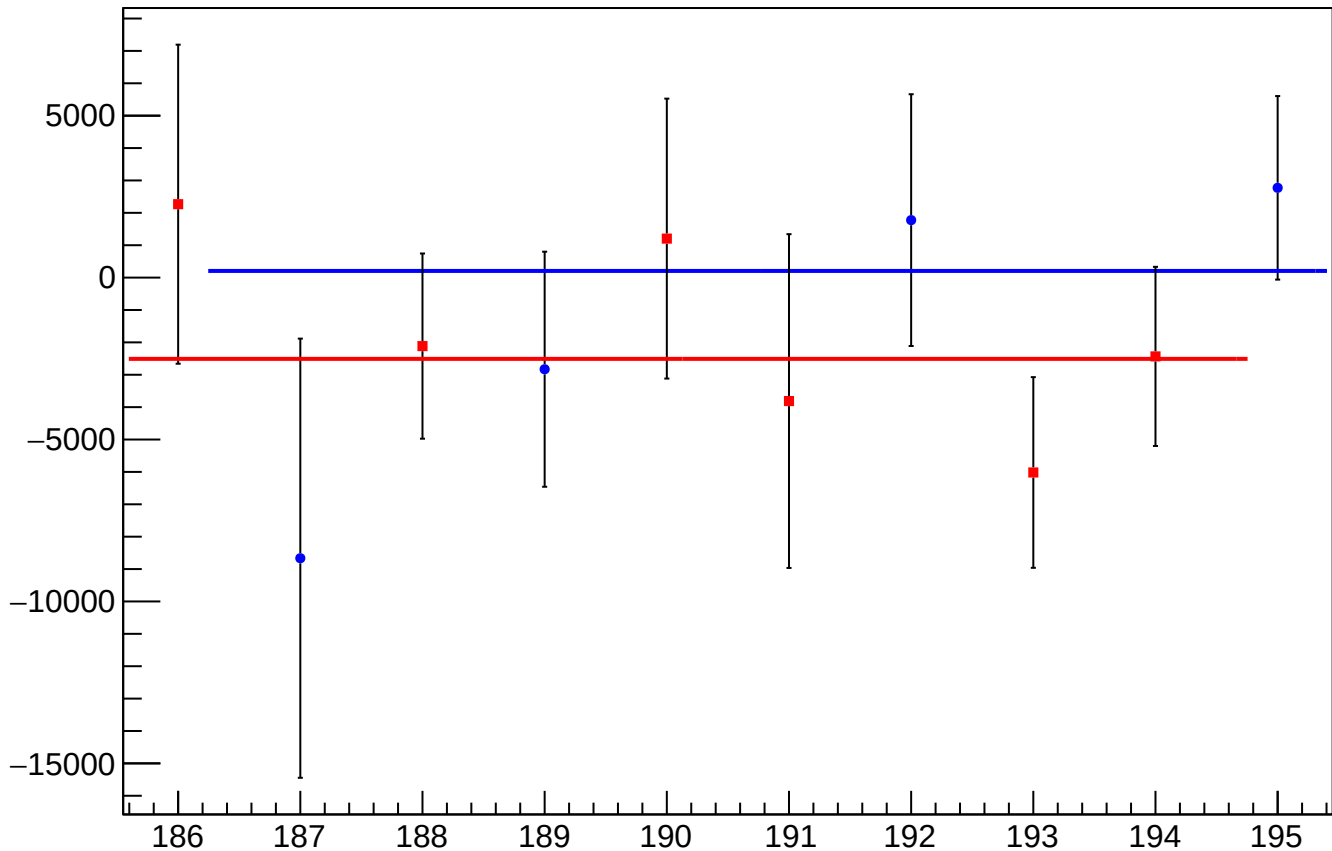
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 766.210+/-0.249  $\chi^2/\text{NDF}$ : 783781.1/9

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

# asym\_atl1\_mean vs Slug



Right In: 206.074+/-1862.213  $\chi^2/\text{NDF}$ : 3.4/3

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

Right Out: -2509.406+/-1413.059  $\chi^2/\text{NDF}$ : 3.2/5

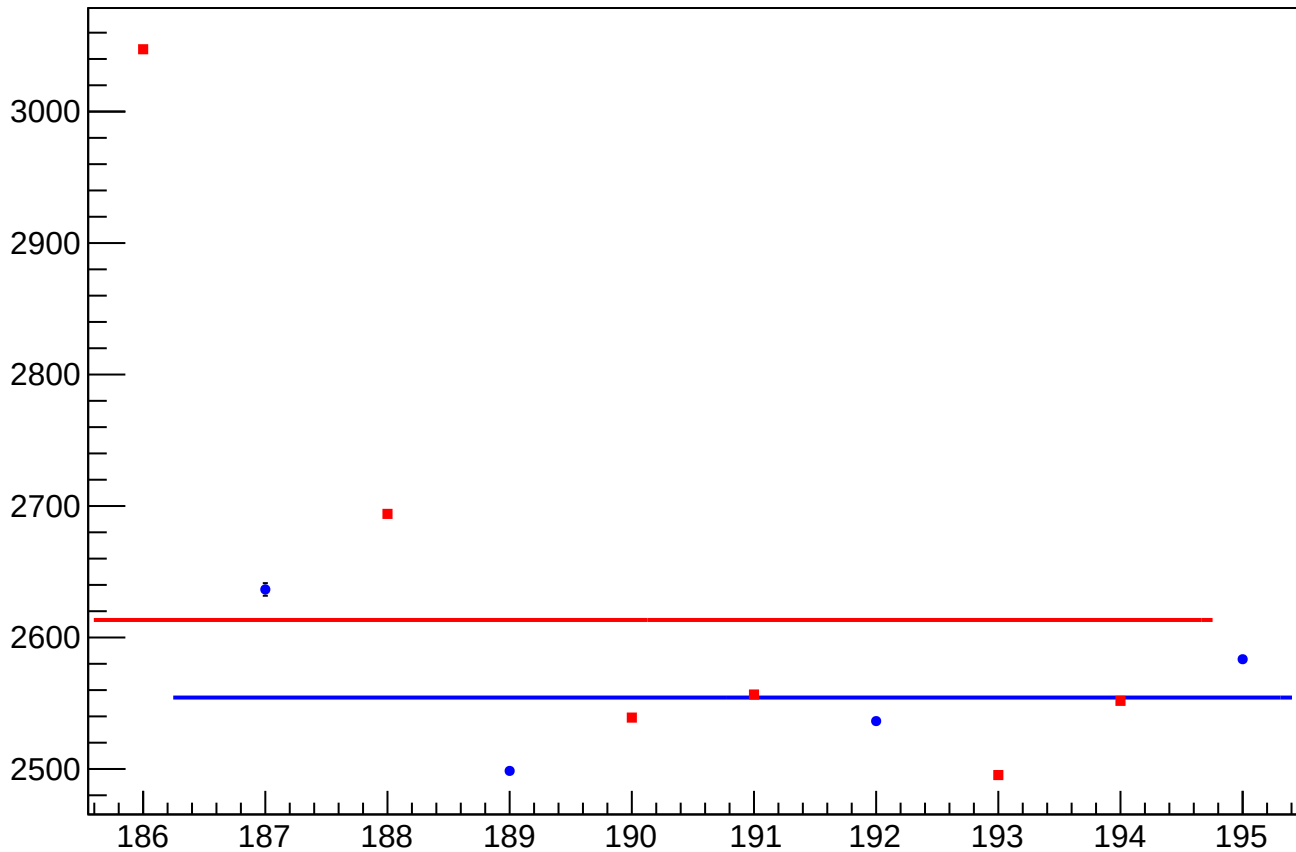
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -1517.179+/-1125.671  $\chi^2/\text{NDF}$ : 7.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 2613.332+/-0.999  $\chi^2/\text{NDF}$ : 22154.7/5

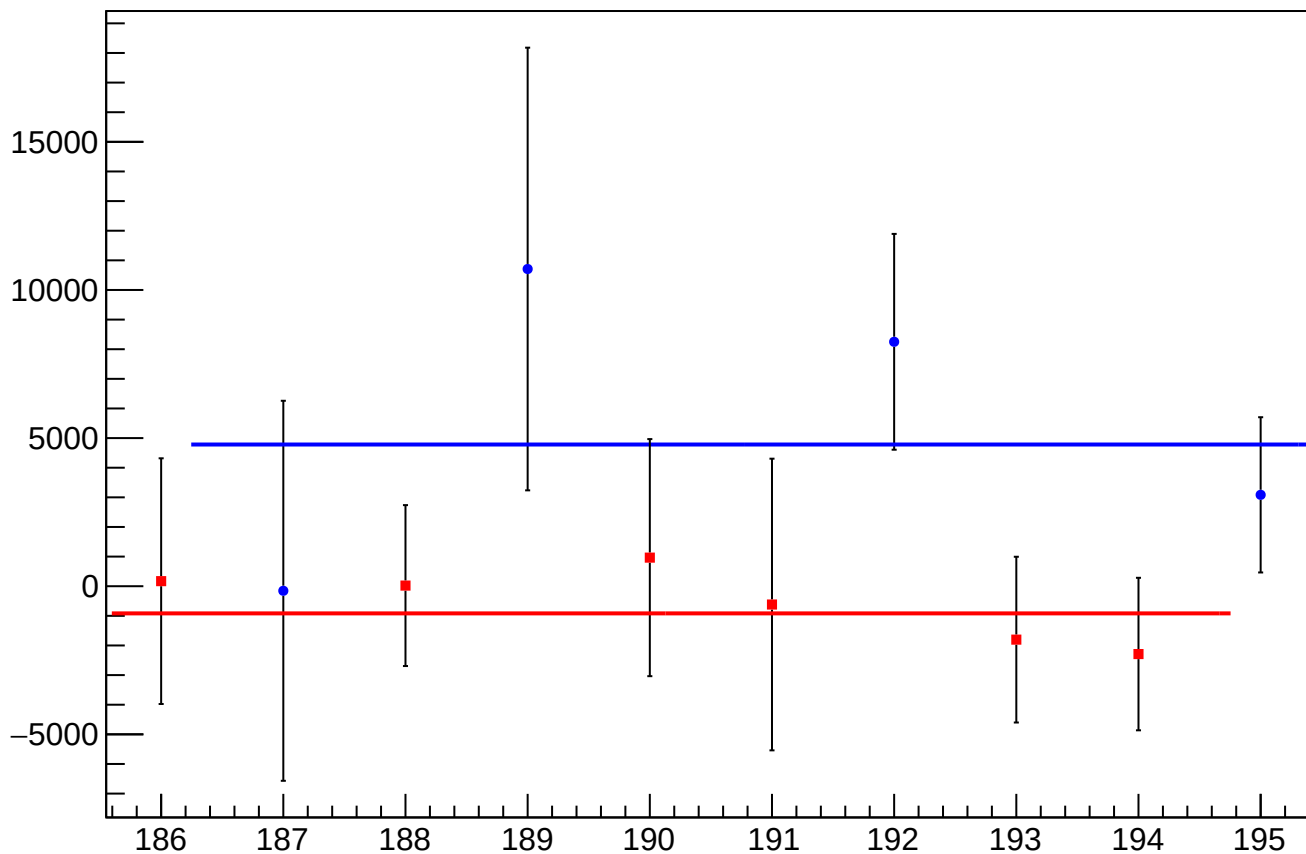
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2591.773+/-0.796  $\chi^2/\text{NDF}$ : 24449.4/9

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

# dit\_asym\_atl2\_mean vs Slug



Right In: 4783.116 $\pm$ 1949.002  $\chi^2$ /NDF: 2.5/3

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

Right Out: -917.084 $\pm$ 1317.479  $\chi^2$ /NDF: 0.8/5

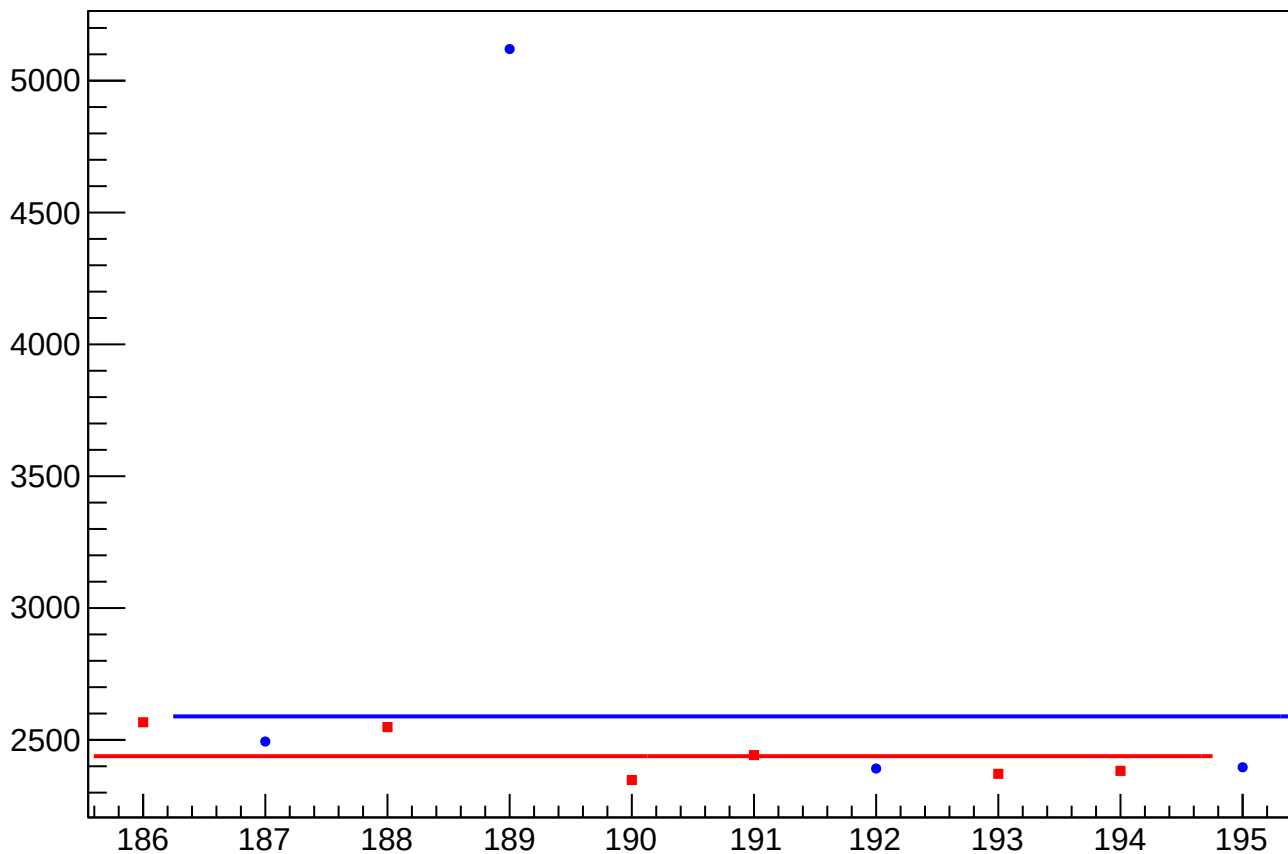
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 870.681 $\pm$ 1091.496  $\chi^2$ /NDF: 9.2/9

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

# dit\_asym\_atl2\_rms vs Slug



Right In: 2589.201+/-1.378  $\chi^2/\text{NDF}$ : 246657.0/3

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

Right Out: 2438.276+/-0.932  $\chi^2/\text{NDF}$ : 8338.8/5

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

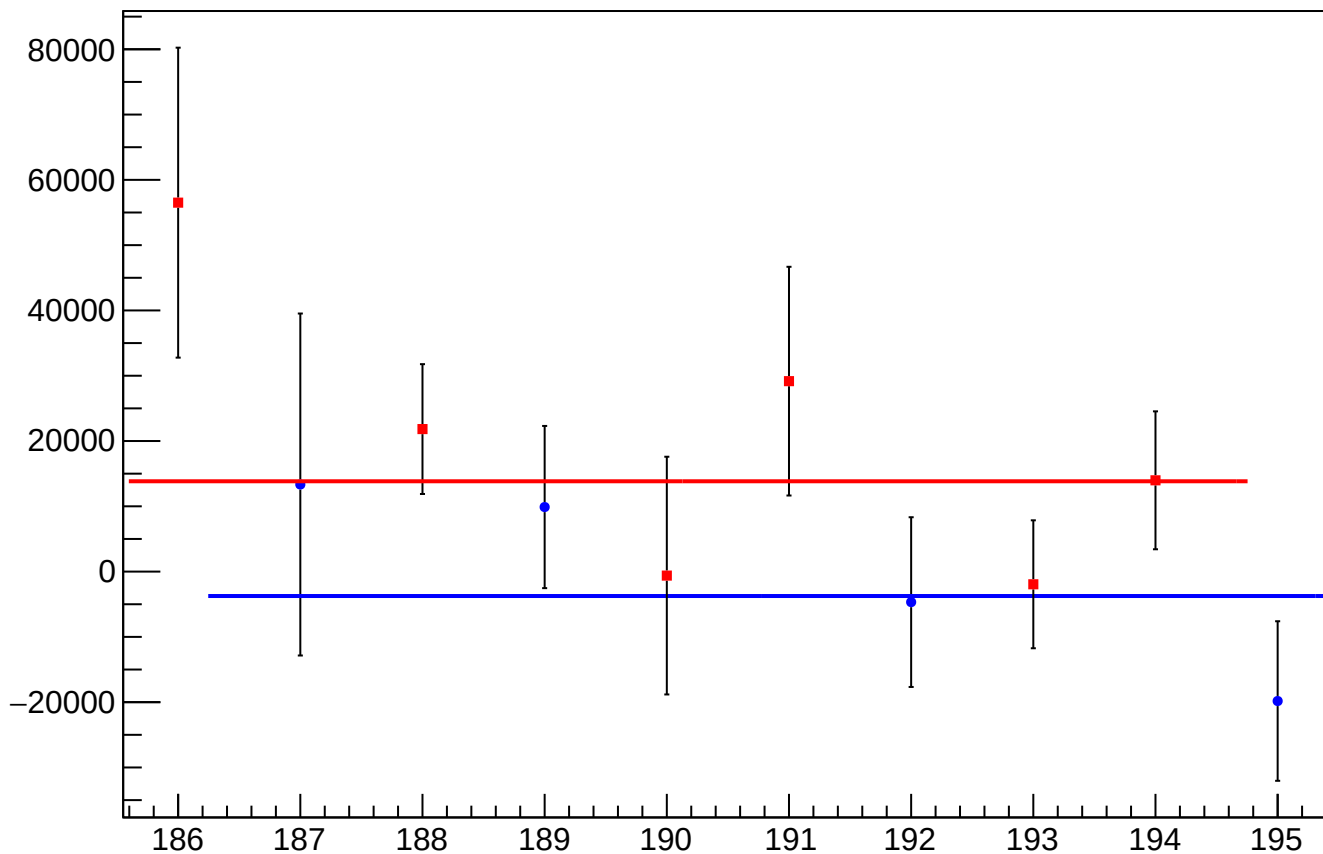
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2485.611+/-0.772  $\chi^2/\text{NDF}$ : 263227.4/9

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



# asym\_atl2\_correction\_mean vs Slug



Right In: -3740.094+/-6974.765  $\chi^2$ /NDF: 3.4/3

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

Right Out: 13834.120+/-5160.668  $\chi^2$ /NDF: 7.9/5

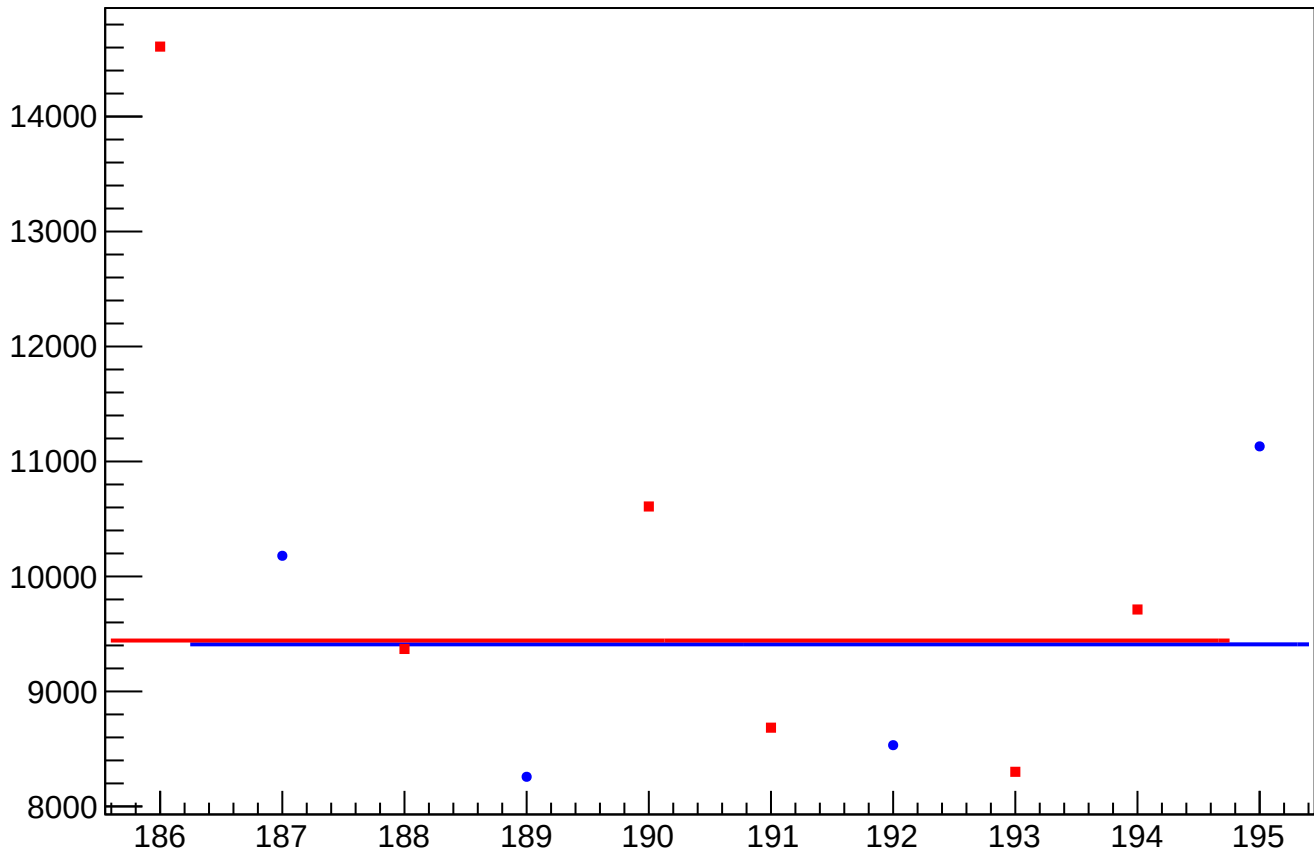
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

All: 7616.717+/-4148.548  $\chi^2$ /NDF: 15.3/9

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

# asym\_atl2\_correction\_rms vs Slug



Right In: 9409.518 $\pm$ 4.932  $\chi^2$ /NDF: 67749.9/3

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

Right Out: 9442.721 $\pm$ 3.649  $\chi^2$ /NDF: 135231.2/5

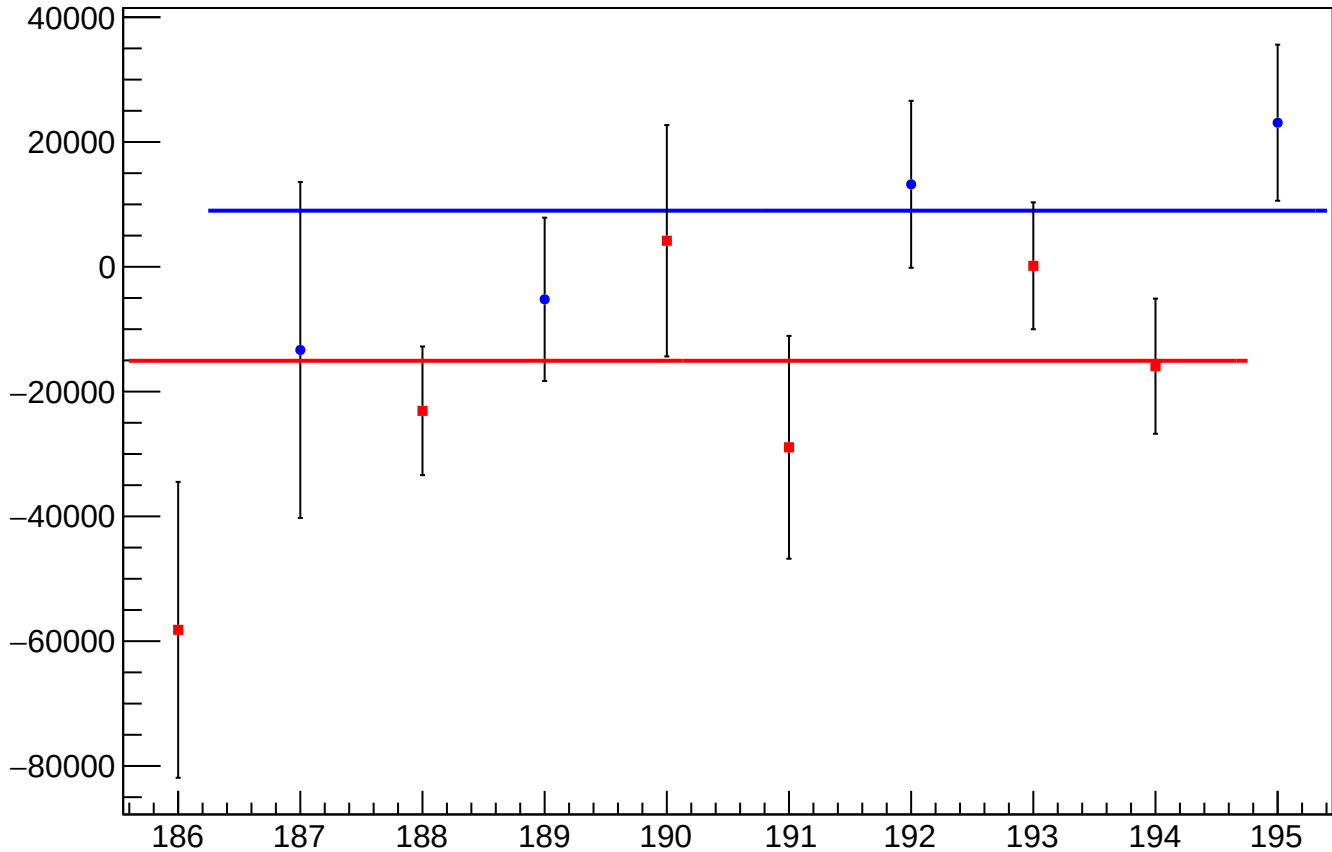
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 9430.974 $\pm$ 2.933  $\chi^2$ /NDF: 203010.4/9

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

# asym\_atl2\_mean vs Slug



Right In: 8994.298+/-7216.934  $\chi^2/\text{NDF}$ : 3.2/3

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

Right Out: -15061.331+/-5313.102  $\chi^2/\text{NDF}$ : 7.8/5

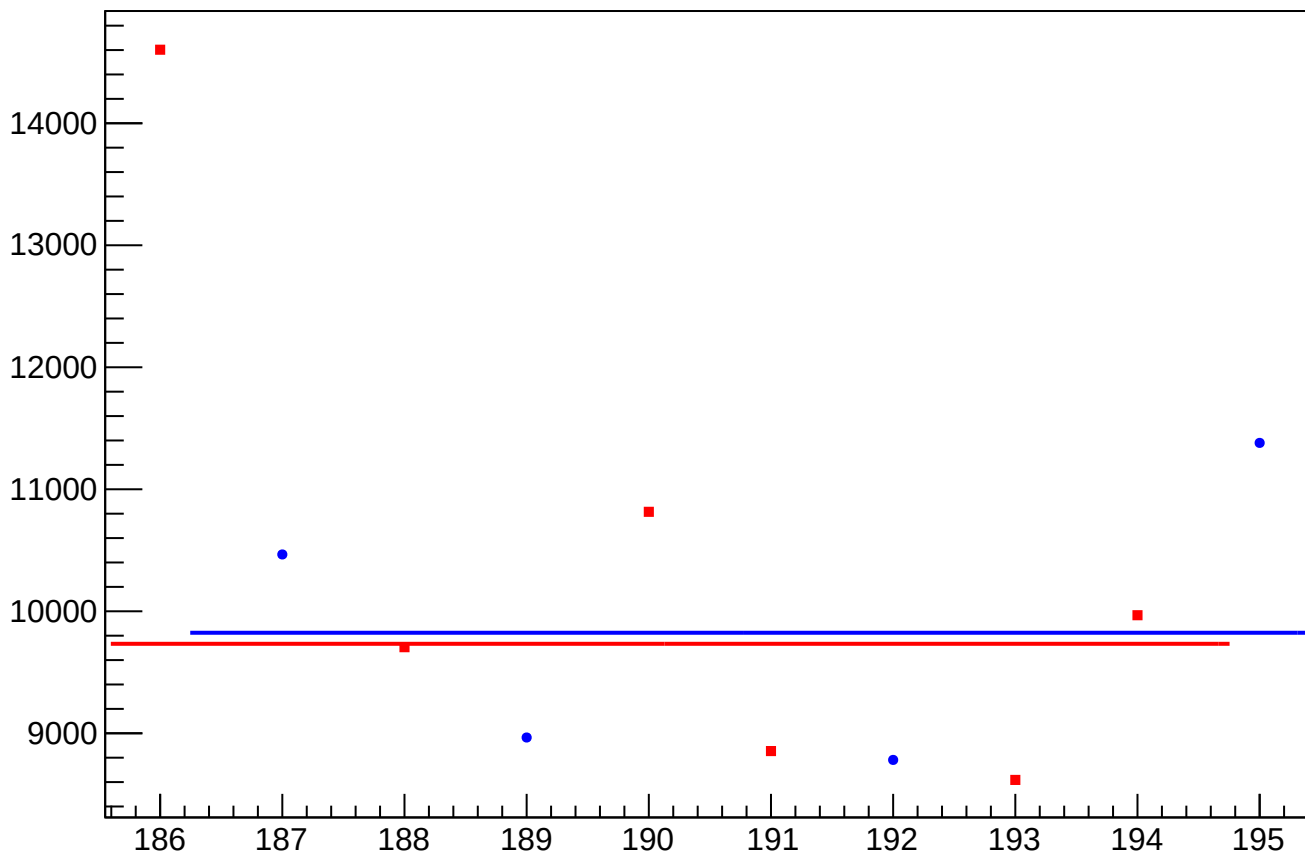
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -6606.088+/-4278.657  $\chi^2/\text{NDF}$ : 18.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 9733.450 $\pm$ 3.757  $\chi^2$ /NDF: 121000.8/5

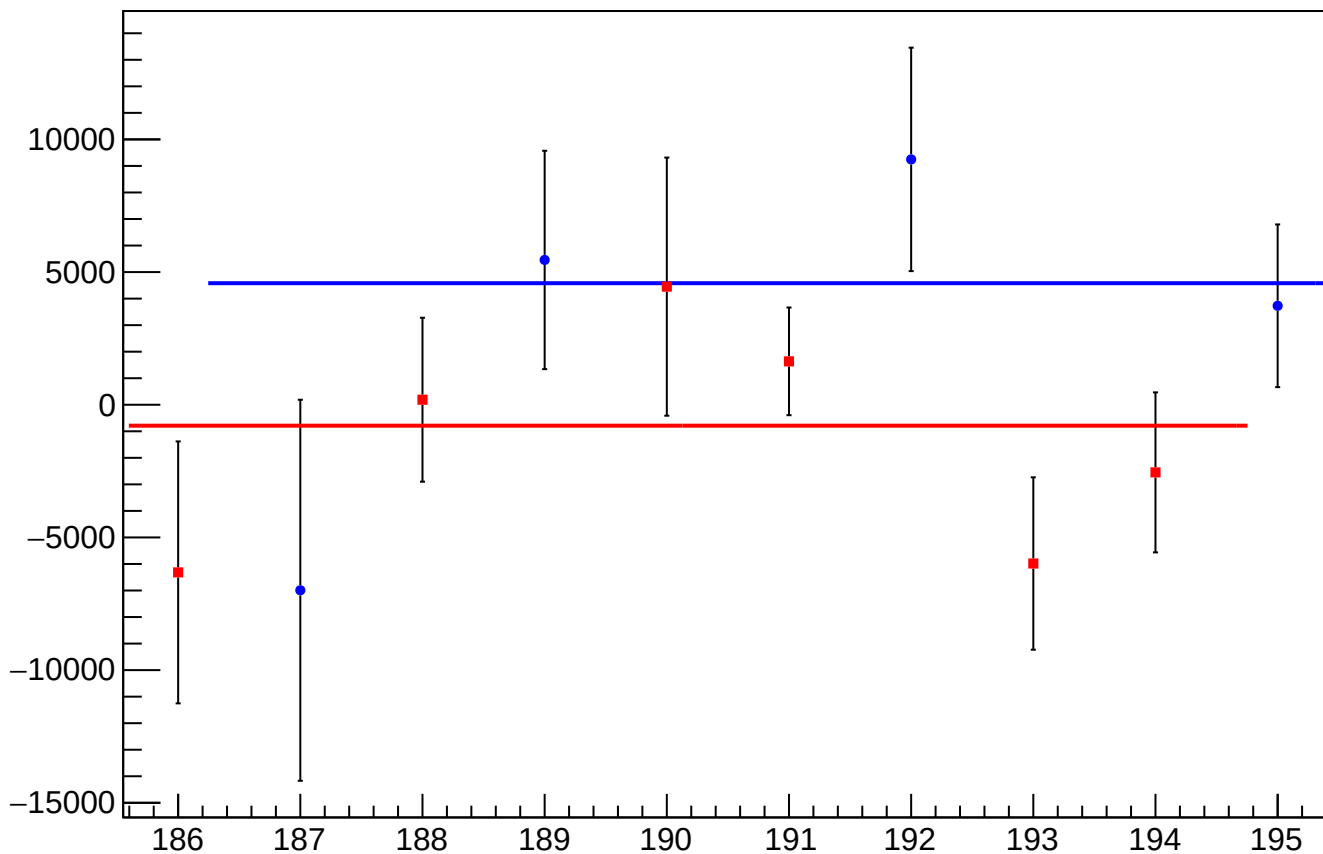
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 9765.276 $\pm$ 3.025  $\chi^2$ /NDF: 174059.2/9

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

# dit\_asym\_atr1\_mean vs Slug



Right In: 4580.862 $\pm$ 2035.974  $\chi^2$ /NDF: 3.9/3

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

Right Out: -788.581 $\pm$ 1254.136  $\chi^2$ /NDF: 6.8/5

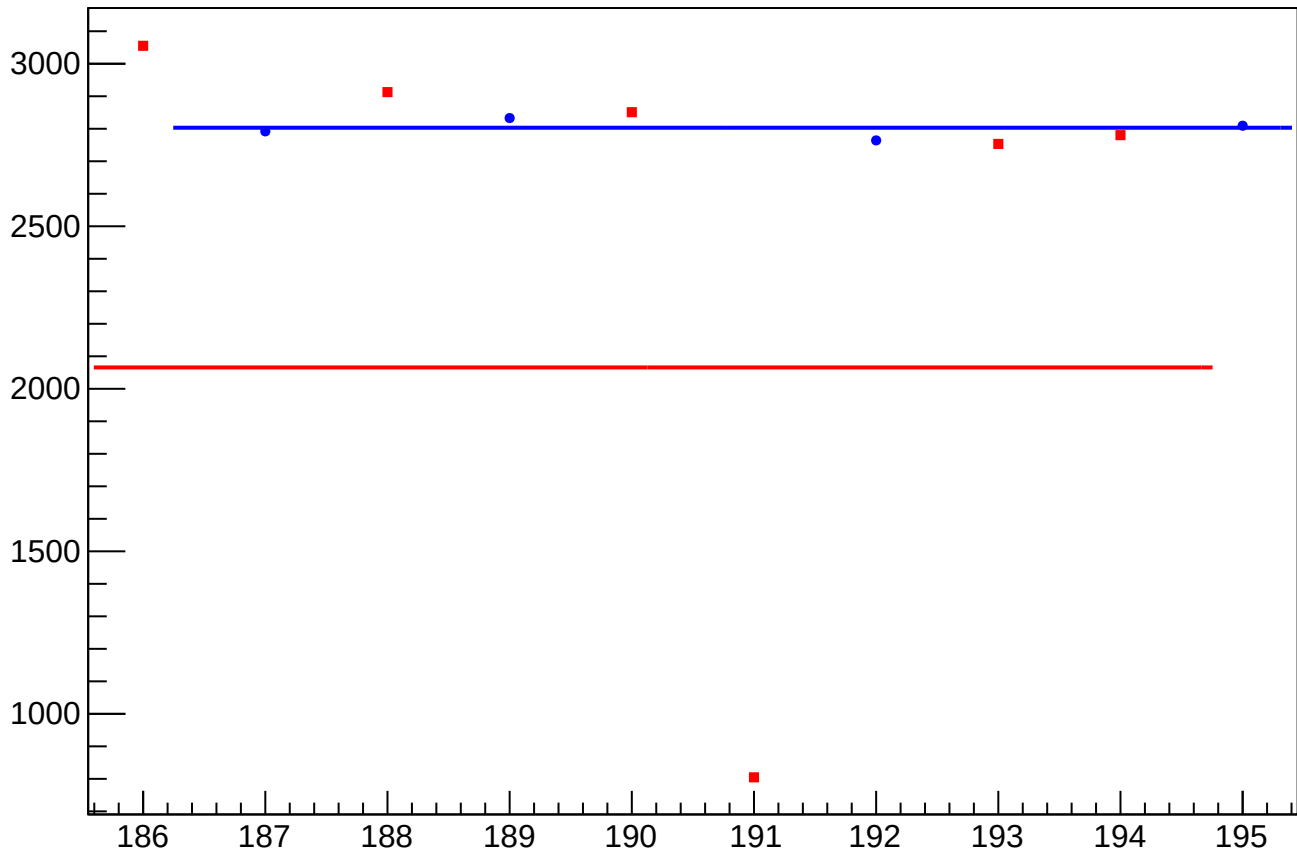
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 688.386 $\pm$ 1067.808  $\chi^2$ /NDF: 15.8/9

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

# dit\_asym\_atr1\_rms vs Slug



Right In: 2803.174+/-1.440  $\chi^2/\text{NDF}$ : 289.3/3

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

Right Out: 2065.751+/-0.887  $\chi^2/\text{NDF}$ : 1257365.2/5

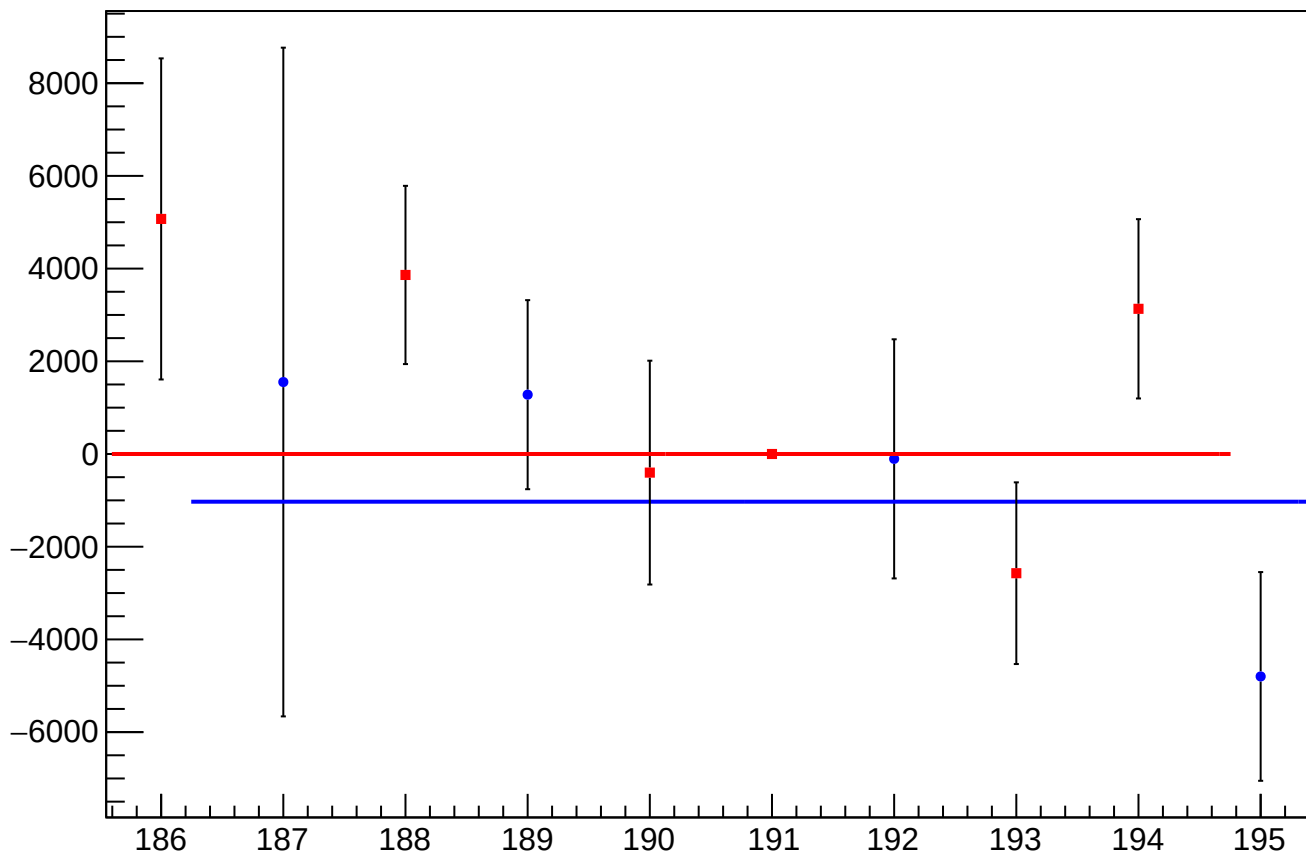
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2268.593+/-0.755  $\chi^2/\text{NDF}$ : 1447856.5/9

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

# asym\_atr1\_correction\_mean vs Slug



Right In: -1028.961 $\pm$ 1283.291  $\chi^2$ /NDF: 4.3/3

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

Right Out: 0.271 $\pm$ 4.105  $\chi^2$ /NDF: 10.6/5

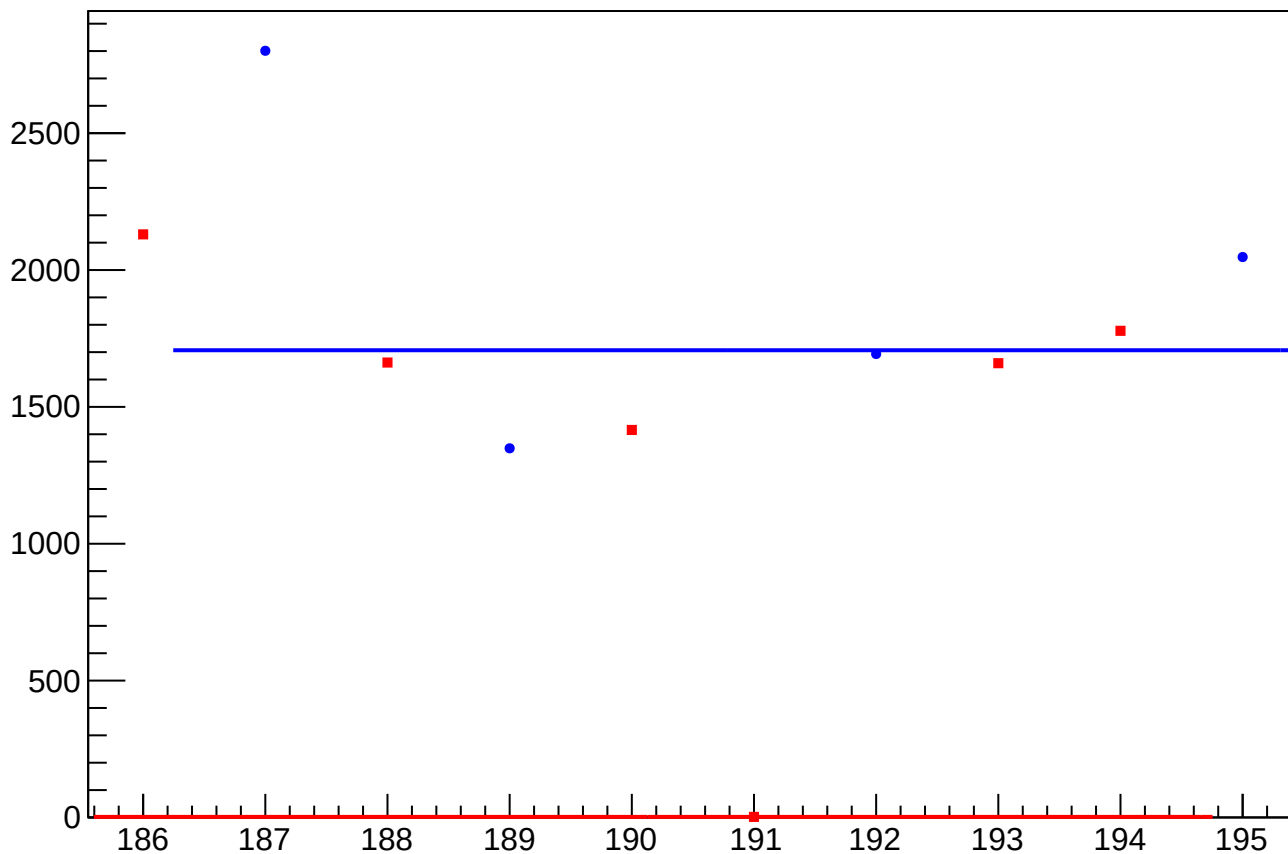
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 0.260 $\pm$ 4.105  $\chi^2$ /NDF: 15.5/9

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

# asym\_atr1\_correction\_rms vs Slug



Right In: 1706.956 $\pm$ 0.907  $\chi^2$ /NDF: 153519.3/3

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

Right Out: 2.067 $\pm$ 0.003  $\chi^2$ /NDF: 6048222.0/5

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

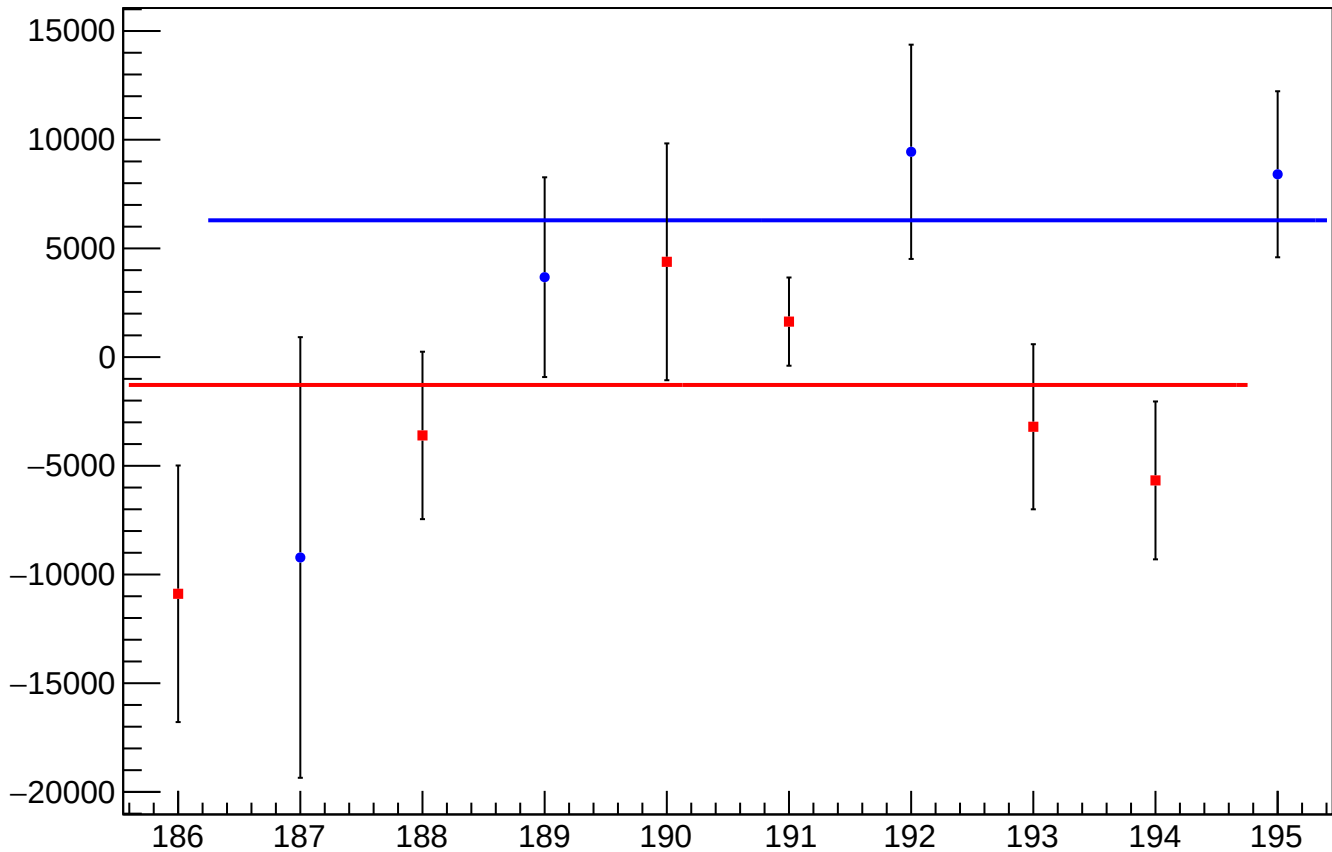
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.084 $\pm$ 0.003  $\chi^2$ /NDF: 9731683.1/9

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



# asym\_atr1\_mean vs Slug



Right In: 6292.665 $\pm$ 2448.024  $\chi^2$ /NDF: 3.4/3

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

Right Out: -1280.865 $\pm$ 1389.458  $\chi^2$ /NDF: 7.9/5

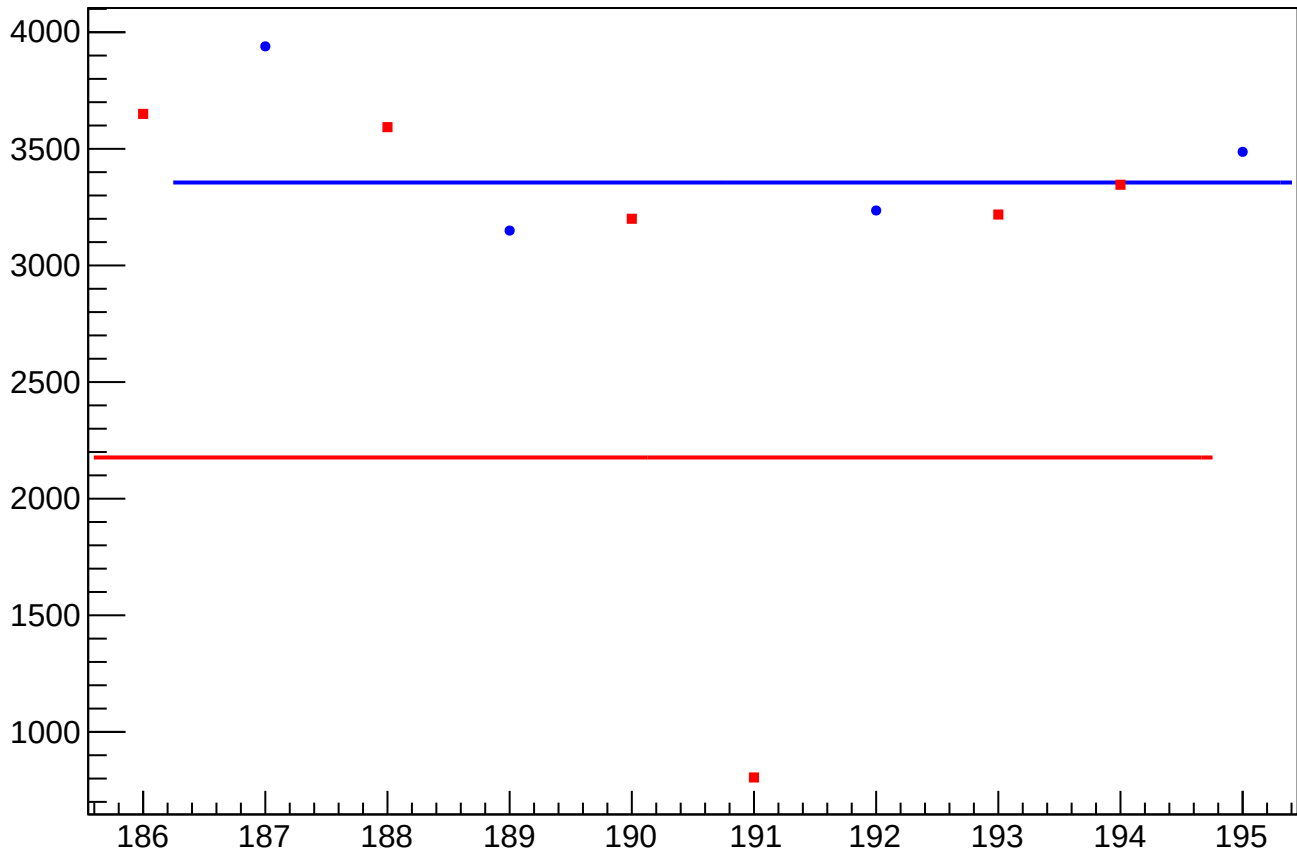
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 564.477 $\pm$ 1208.384  $\chi^2$ /NDF: 18.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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

Right Out: 2176.661 $\pm$ 0.982  $\chi^2$ /NDF: 1738232.8/5

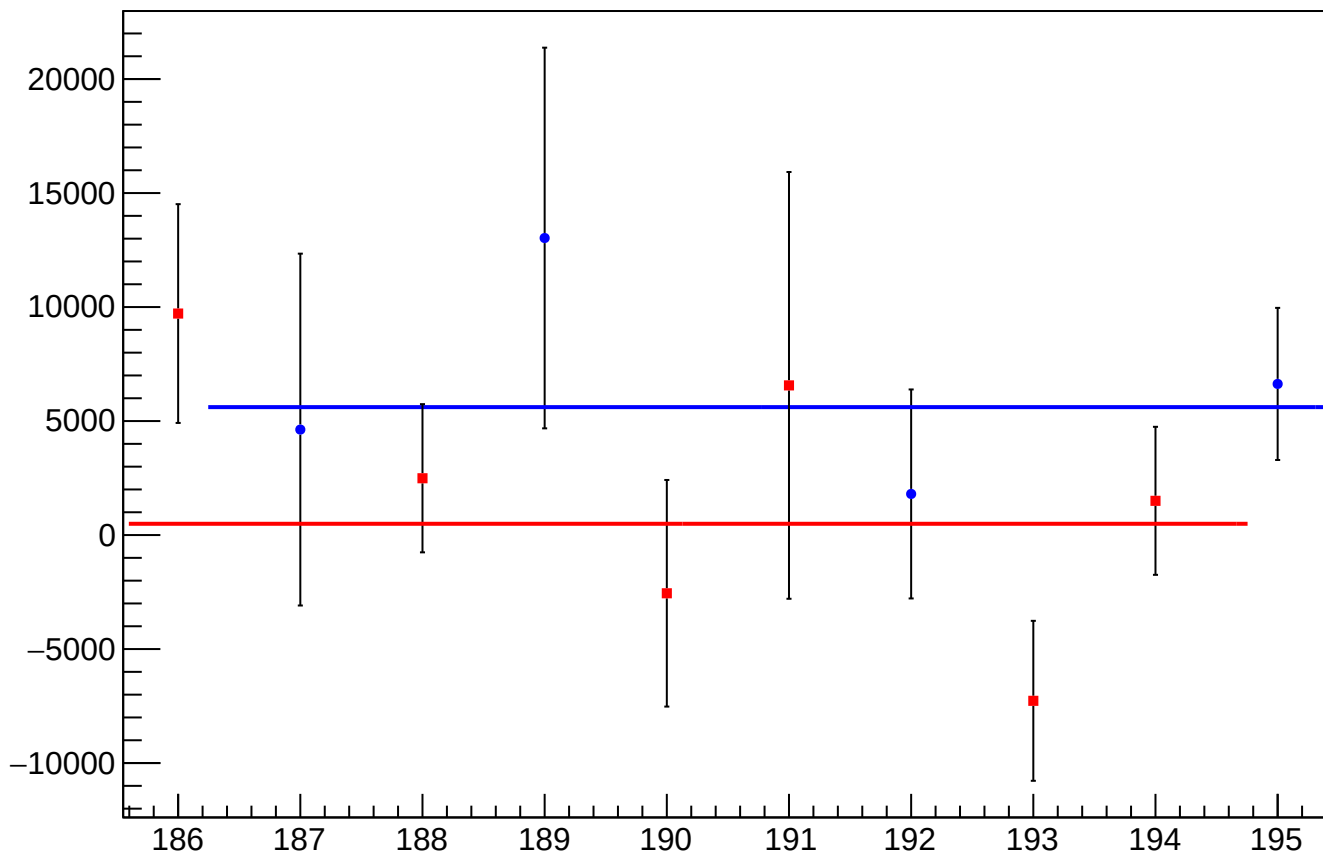
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2463.929 $\pm$ 0.854  $\chi^2$ /NDF: 2103313.9/9

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

# dit\_asym\_atr2\_mean vs Slug



Right In: 5611.122 $\pm$ 2435.242  $\chi^2$ /NDF: 1.6/3

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

Right Out: 494.514 $\pm$ 1652.512  $\chi^2$ /NDF: 9.9/5

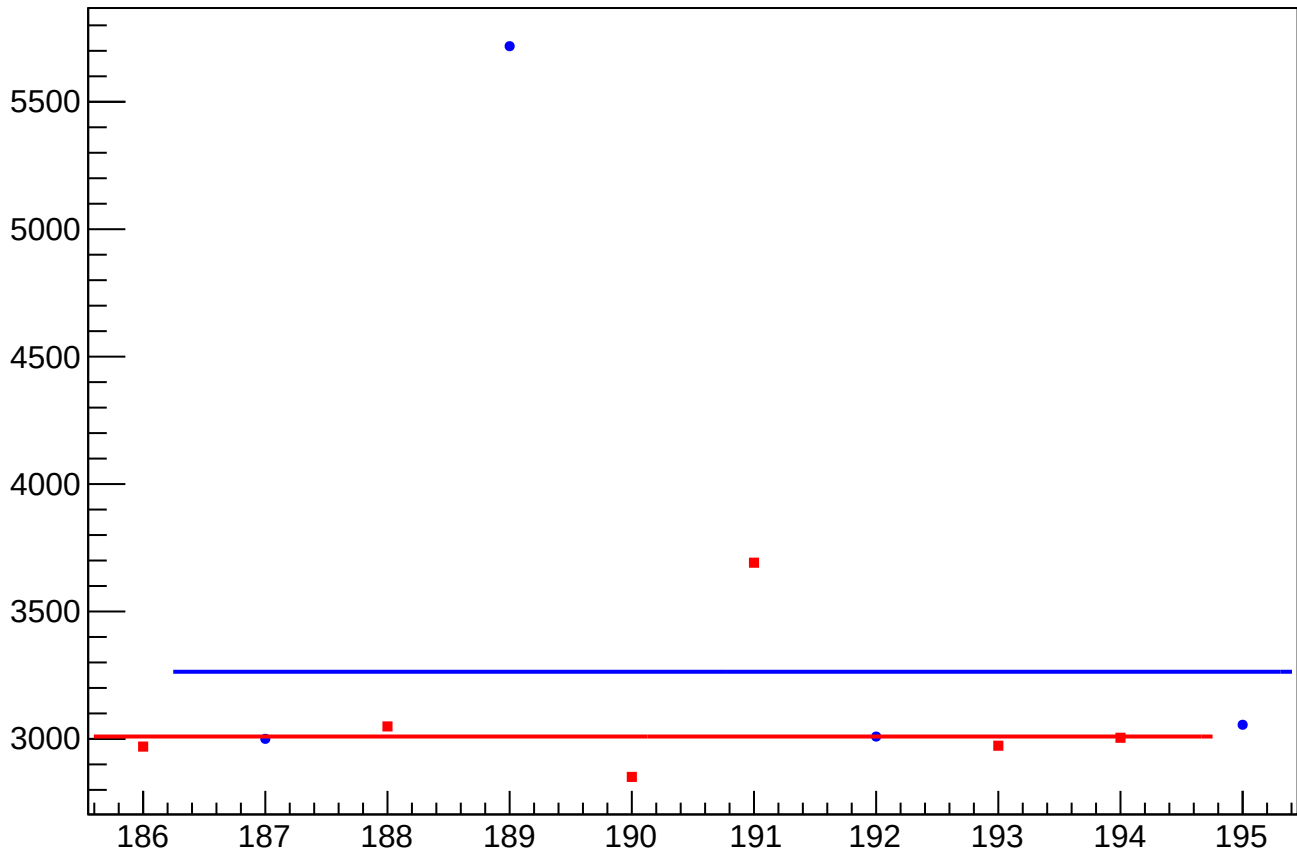
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 2107.733 $\pm$ 1367.407  $\chi^2$ /NDF: 14.5/9

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

# dit\_asym\_atr2\_rms vs Slug



Right In:  $3263.514 \pm 1.722$   $\chi^2/\text{NDF}$ : 189174.0/3

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

Right Out:  $3009.428 \pm 1.168$   $\chi^2/\text{NDF}$ : 13305.3/5

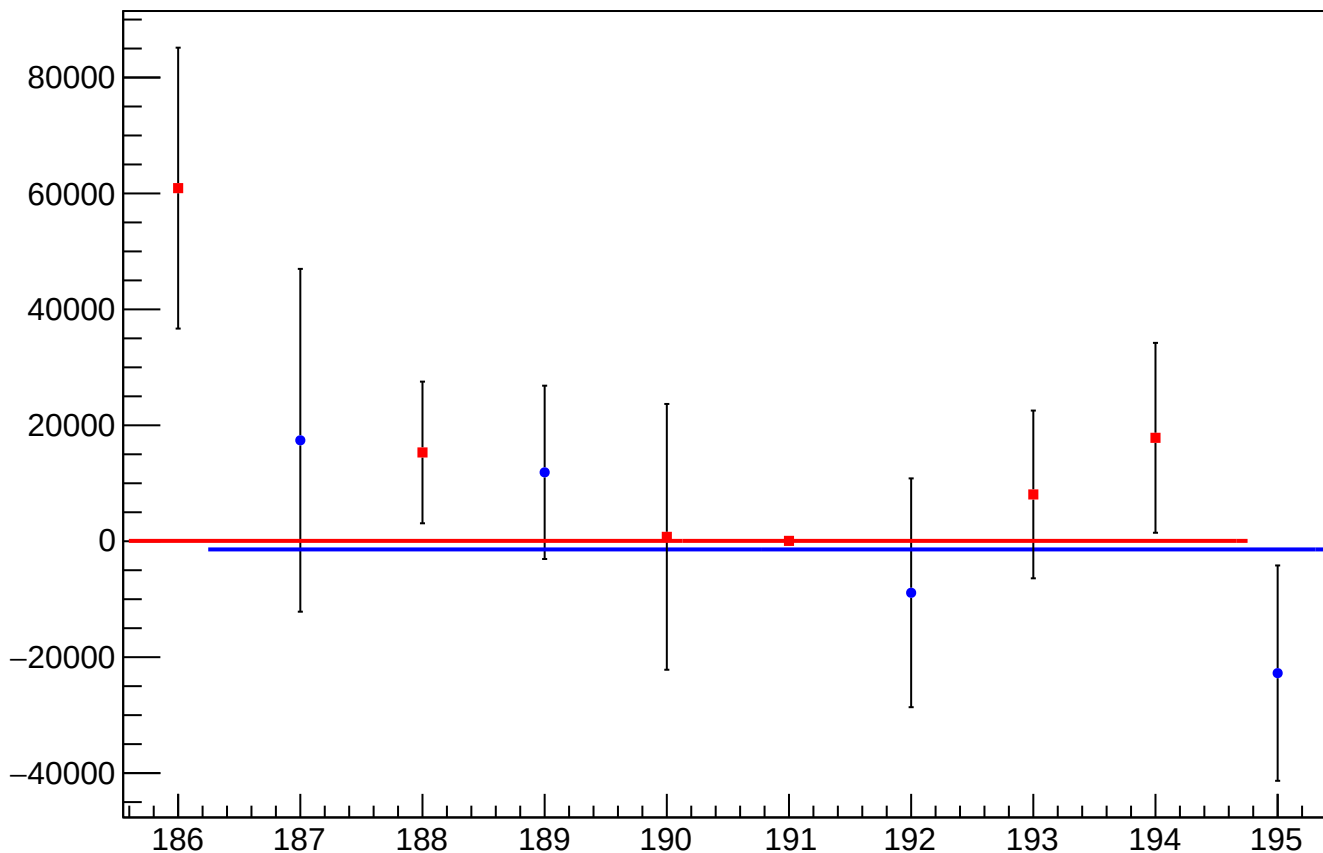
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $3089.539 \pm 0.967$   $\chi^2/\text{NDF}$ : 217387.0/9

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

# asym\_atr2\_correction\_mean vs Slug



Right In: -1412.801+/-9498.681  $\chi^2/\text{NDF}$ : 2.7/3

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

Right Out: 62.940+/-29.129  $\chi^2/\text{NDF}$ : 9.4/5

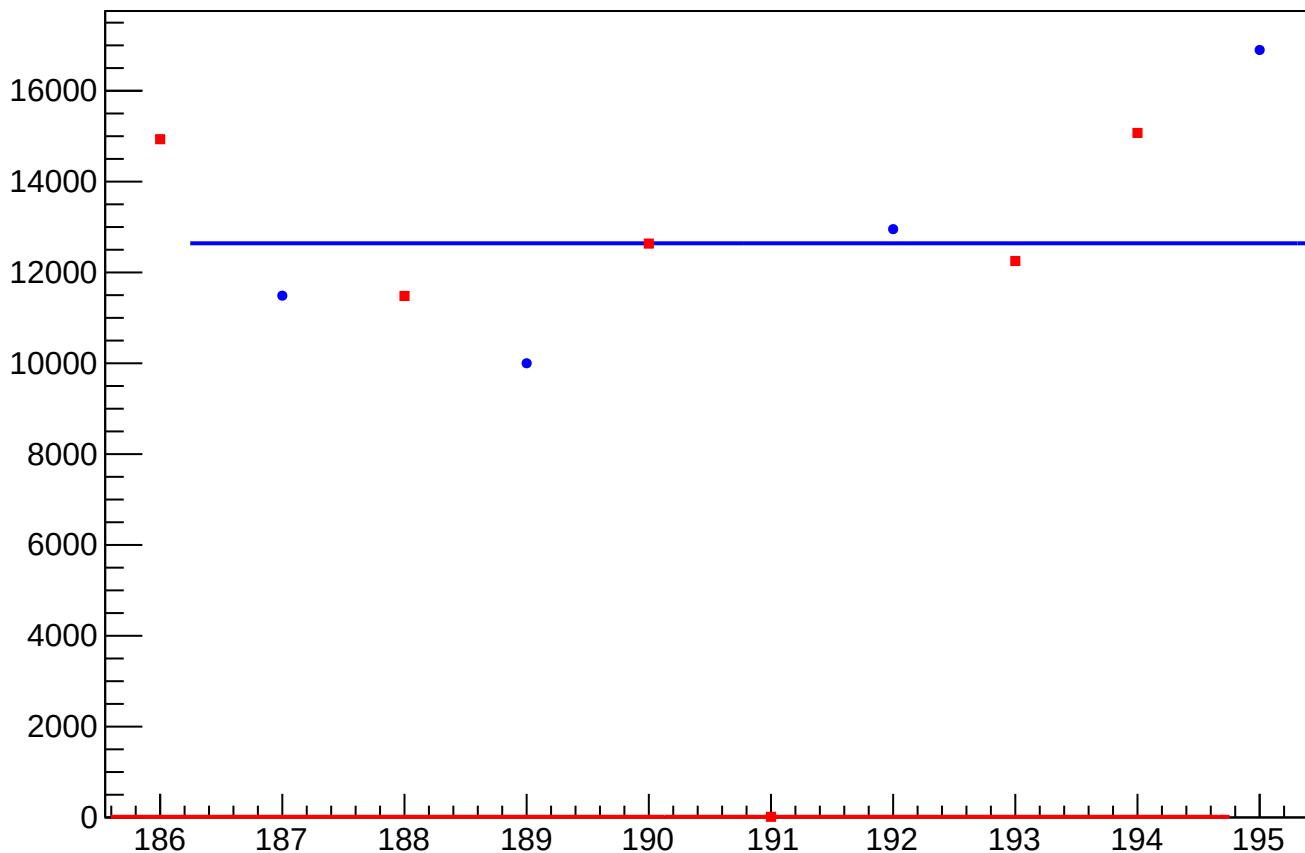
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 62.926+/-29.129  $\chi^2/\text{NDF}$ : 12.0/9

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

# asym\_atr2\_correction\_rms vs Slug



Right In: 12641.904 $\pm$ 6.717  $\chi^2$ /NDF: 170988.3/3

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

Right Out: 14.642 $\pm$ 0.021  $\chi^2$ /NDF: 6246652.9/5

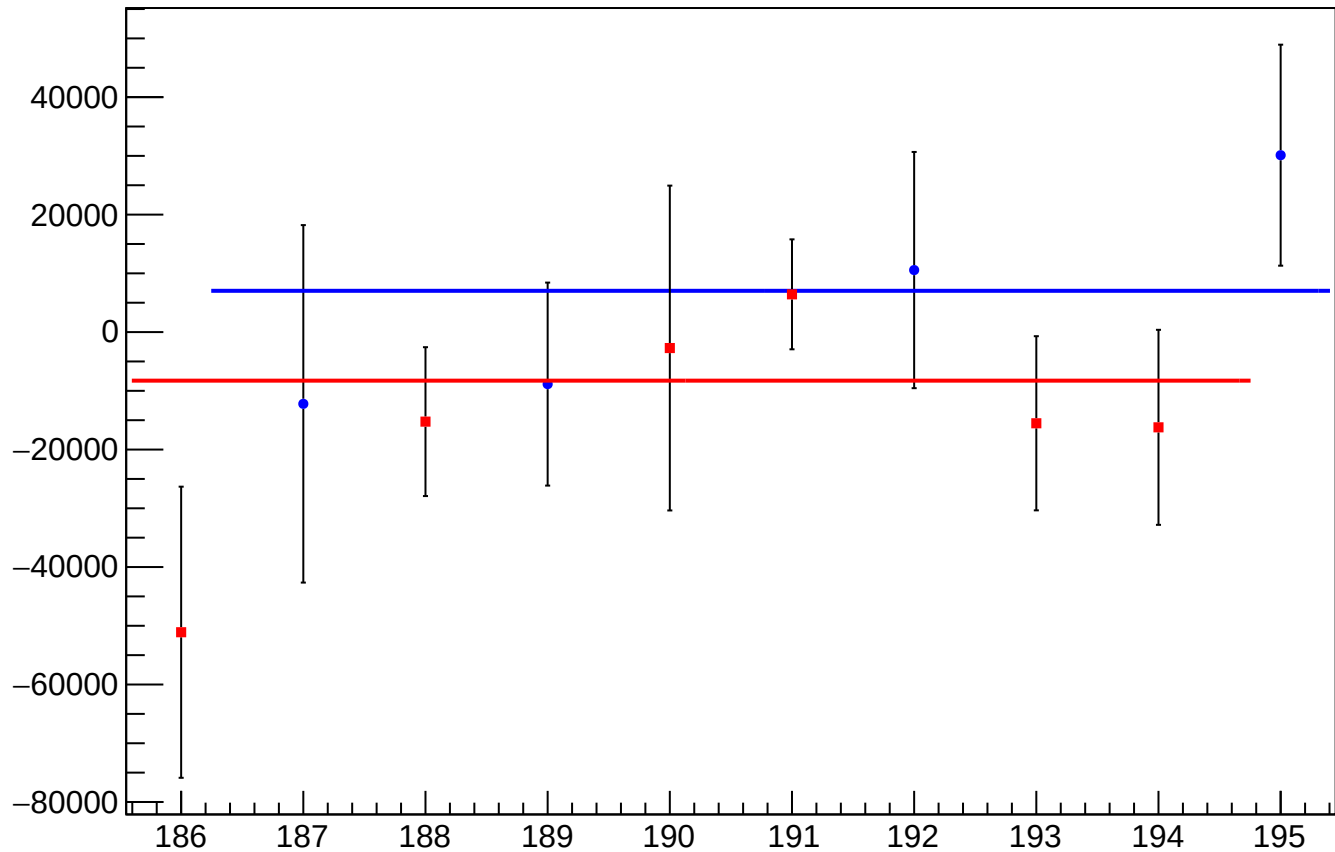
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 14.761 $\pm$ 0.021  $\chi^2$ /NDF: 9952057.3/9

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

# asym\_atr2\_mean vs Slug



Right In: 7028.191 $\pm$ 10139.203  $\chi^2$ /NDF: 2.8/3

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

Right Out: -8266.694 $\pm$ 5896.838  $\chi^2$ /NDF: 6.3/5

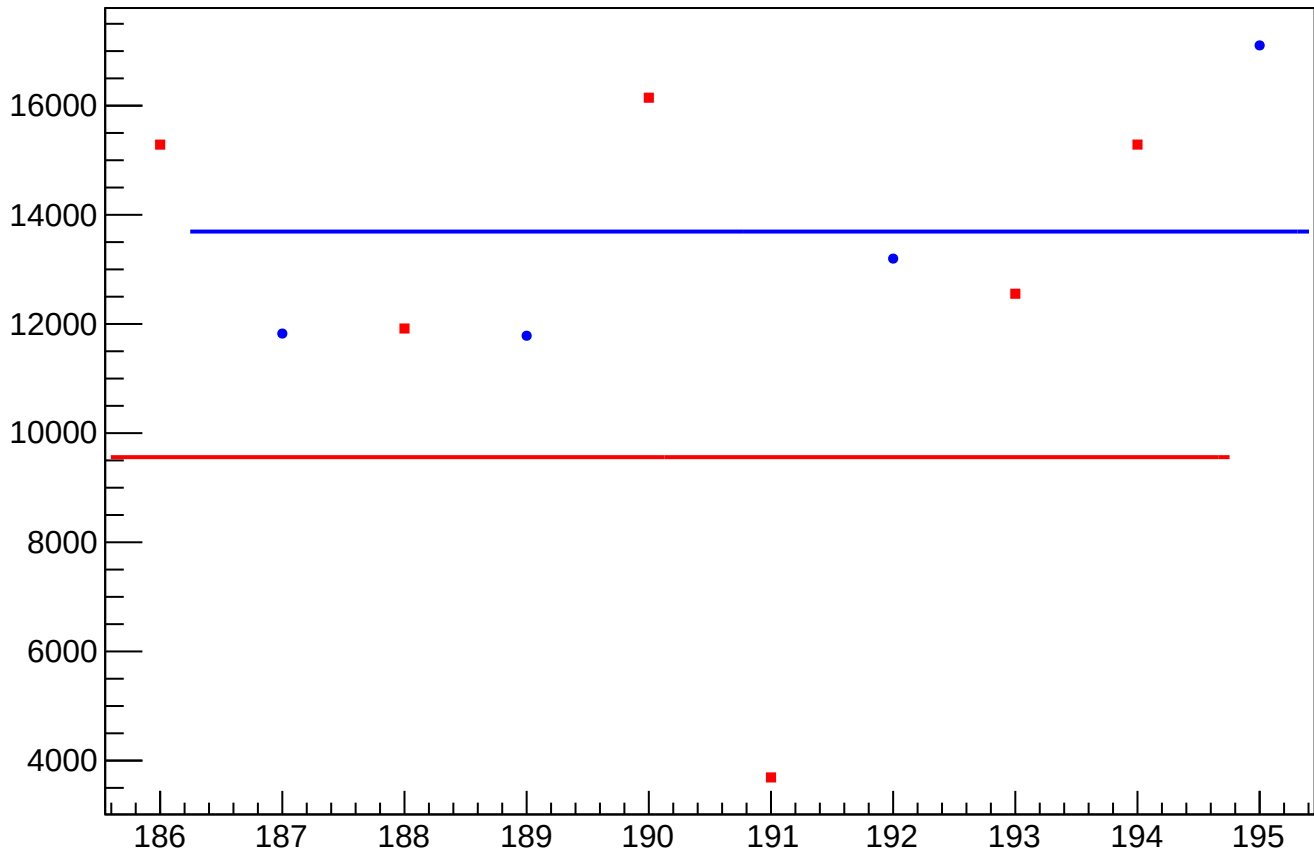
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -4400.875 $\pm$ 5097.432  $\chi^2$ /NDF: 10.7/9

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

# asym\_atr2\_rms vs Slug



Right In: 13693.471+/-7.169  $\chi^2/\text{NDF}$ : 98899.7/3

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

Right Out: 9560.037+/-4.170  $\chi^2/\text{NDF}$ : 1395558.0/5

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

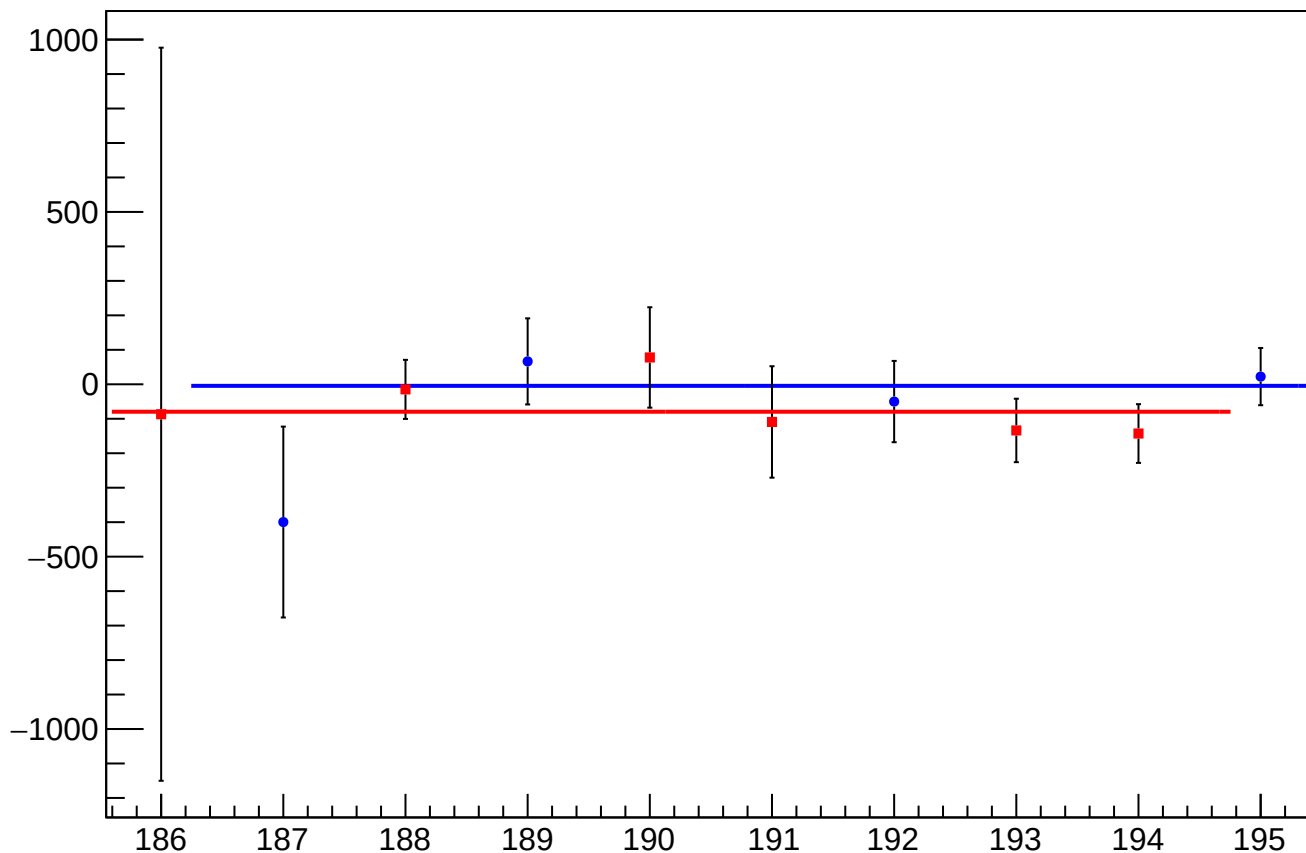
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10604.706+/-3.604  $\chi^2/\text{NDF}$ : 1742838.6/9

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



# dit\_asym\_sam1\_mean vs Slug



Right In: -4.492±58.310  $\chi^2/\text{NDF}$ : 2.6/3

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

Right Out: -79.618±45.720  $\chi^2/\text{NDF}$ : 2.7/5

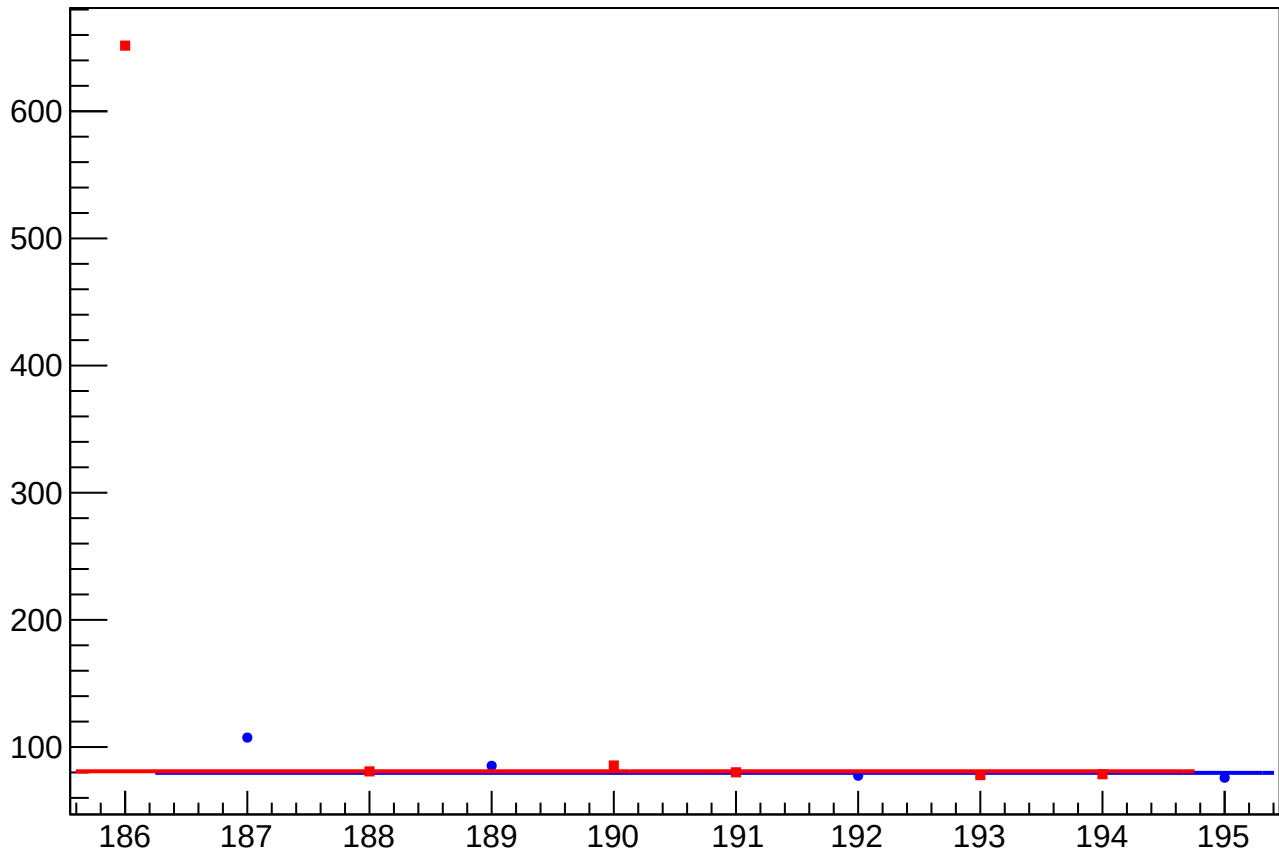
Left In: 0.000±0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -51.016±35.979  $\chi^2/\text{NDF}$ : 6.3/9

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

# dit\_asym\_sam1\_rms vs Slug



Right In: 79.688 $\pm$ 0.041  $\chi^2$ /NDF: 29030.9/3

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

Right Out: 80.925 $\pm$ 0.032  $\chi^2$ /NDF: 581680.0/5

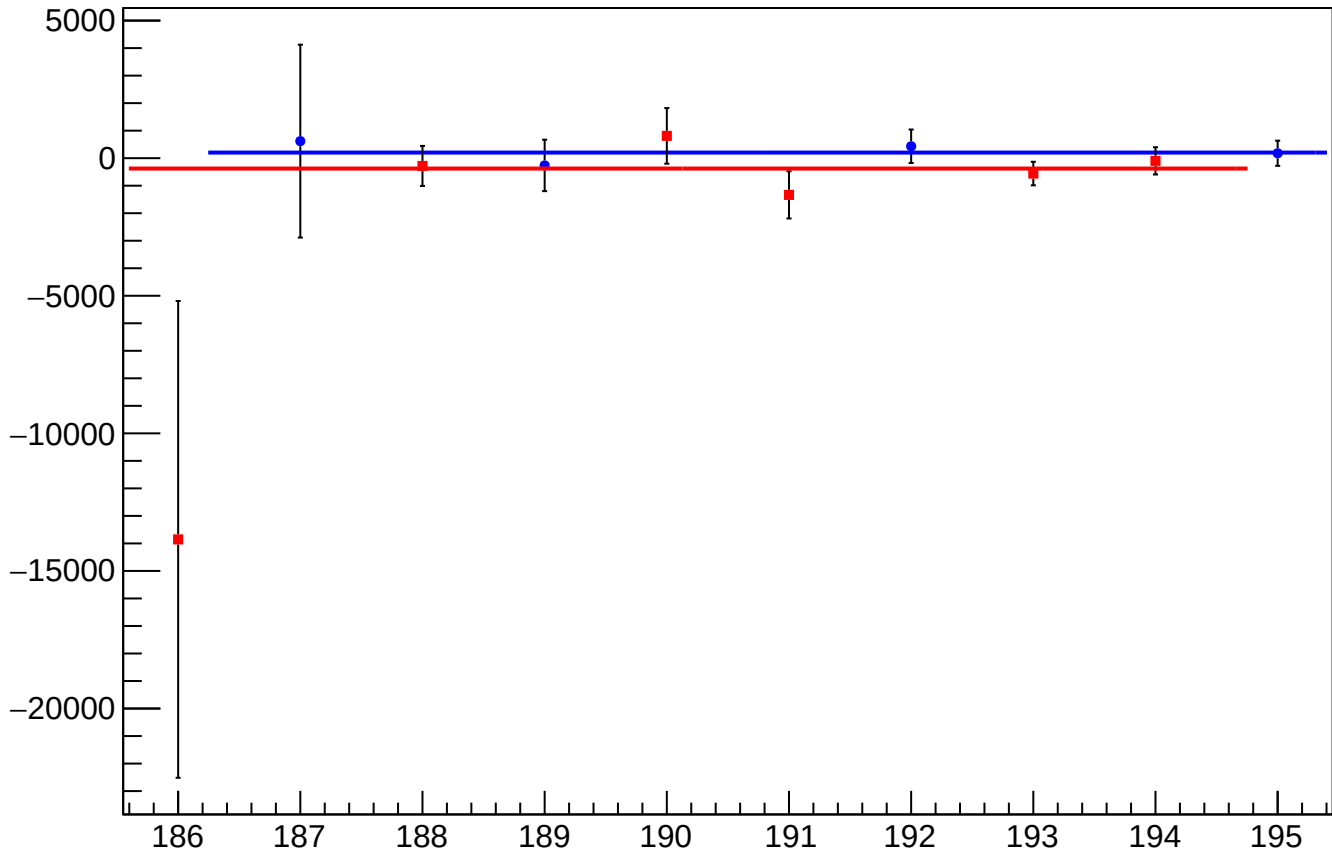
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 80.454 $\pm$ 0.025  $\chi^2$ /NDF: 611268.3/9

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

# asym\_sam1\_correction\_mean vs Slug



Right In: 203.762 $\pm$ 338.664  $\chi^2$ /NDF: 0.4/3

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

Right Out: -376.782 $\pm$ 269.394  $\chi^2$ /NDF: 5.6/5

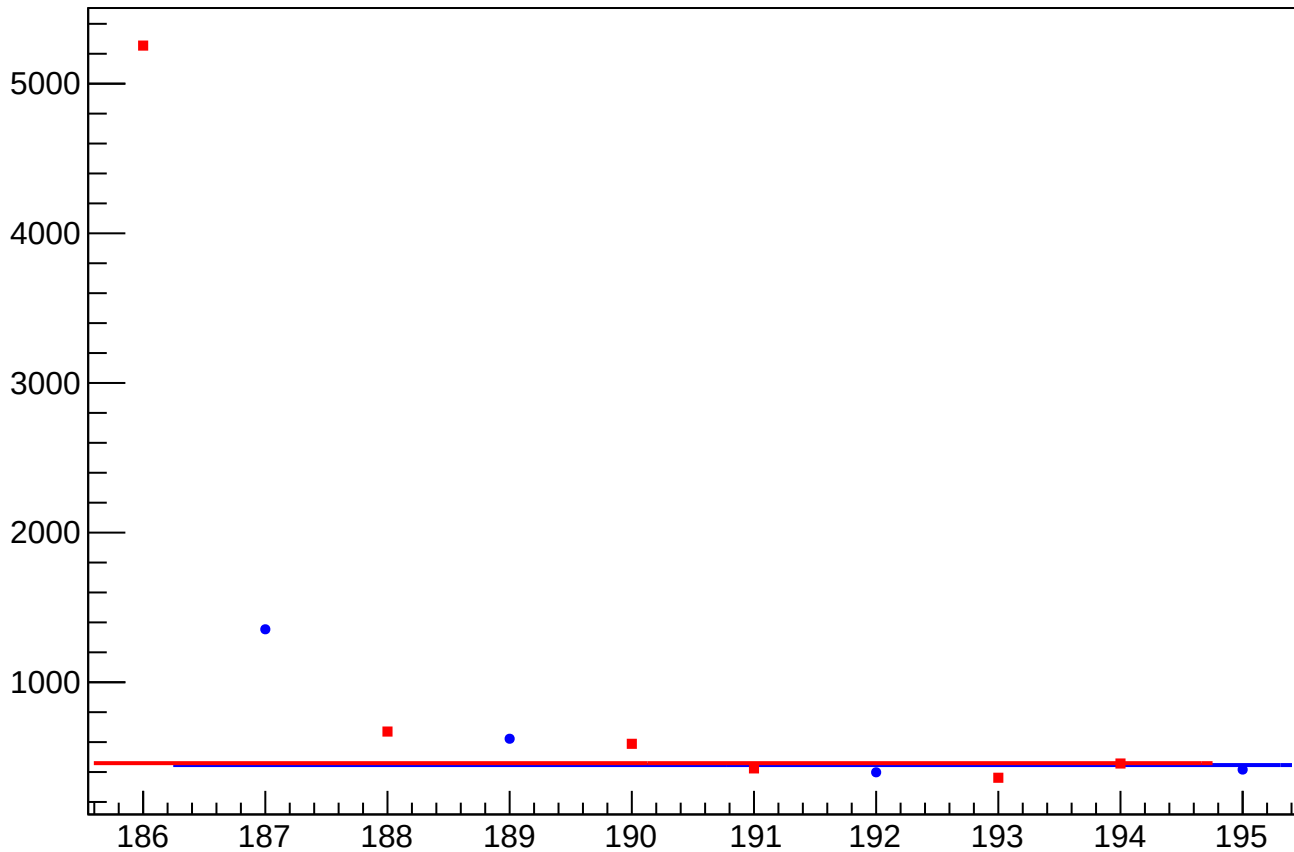
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -151.799 $\pm$ 210.827  $\chi^2$ /NDF: 7.8/9

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

# asym\_sam1\_correction\_rms vs Slug



Right In: 446.623+/-0.239  $\chi^2/\text{NDF}$ : 226180.7/3

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

Right Out: 459.361+/-0.190  $\chi^2/\text{NDF}$ : 921237.2/5

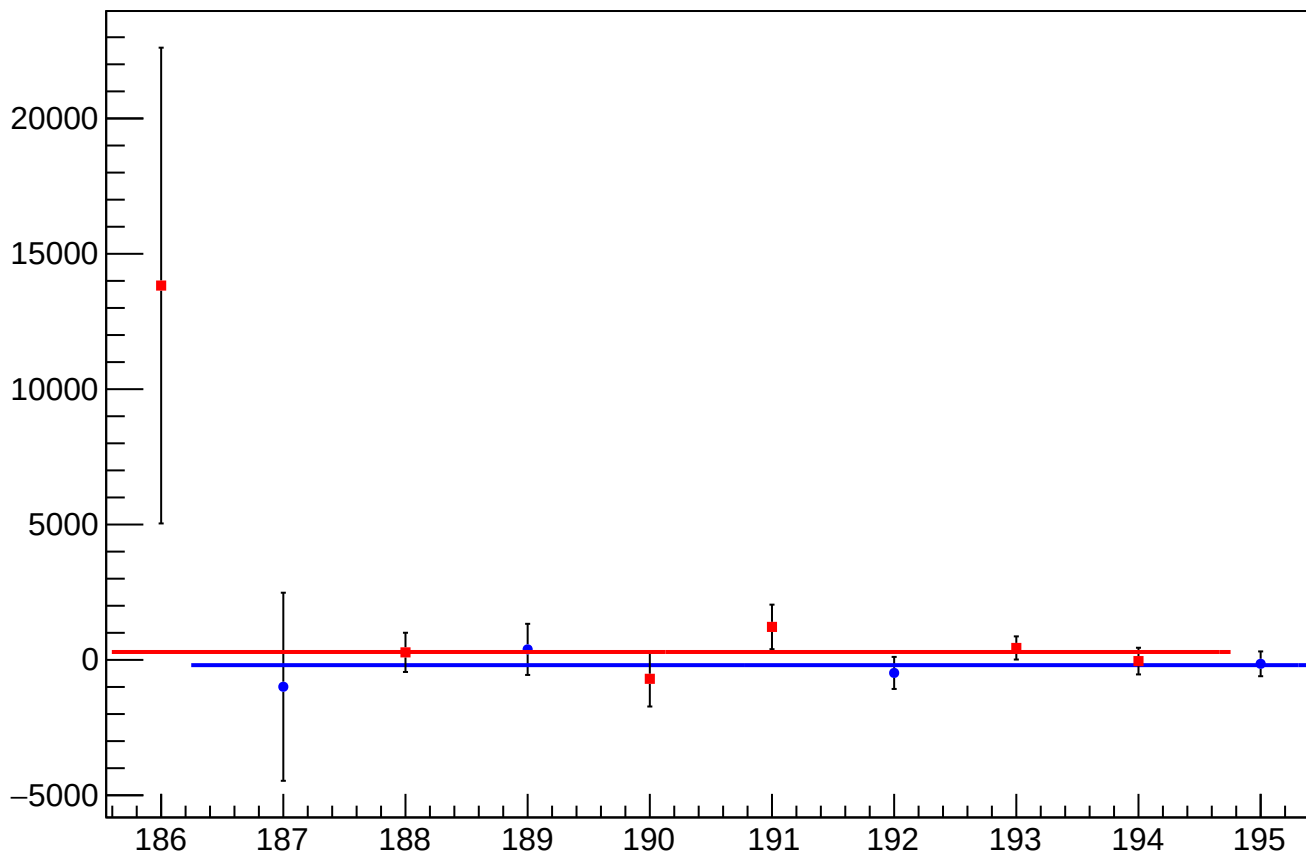
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 454.424+/-0.149  $\chi^2/\text{NDF}$ : 1149150.7/9

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

# asym\_sam1\_mean vs Slug



Right In: -193.891+/-336.637  $\chi^2/\text{NDF}$ : 0.7/3

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

Right Out: 292.317+/-267.890  $\chi^2/\text{NDF}$ : 5.2/5

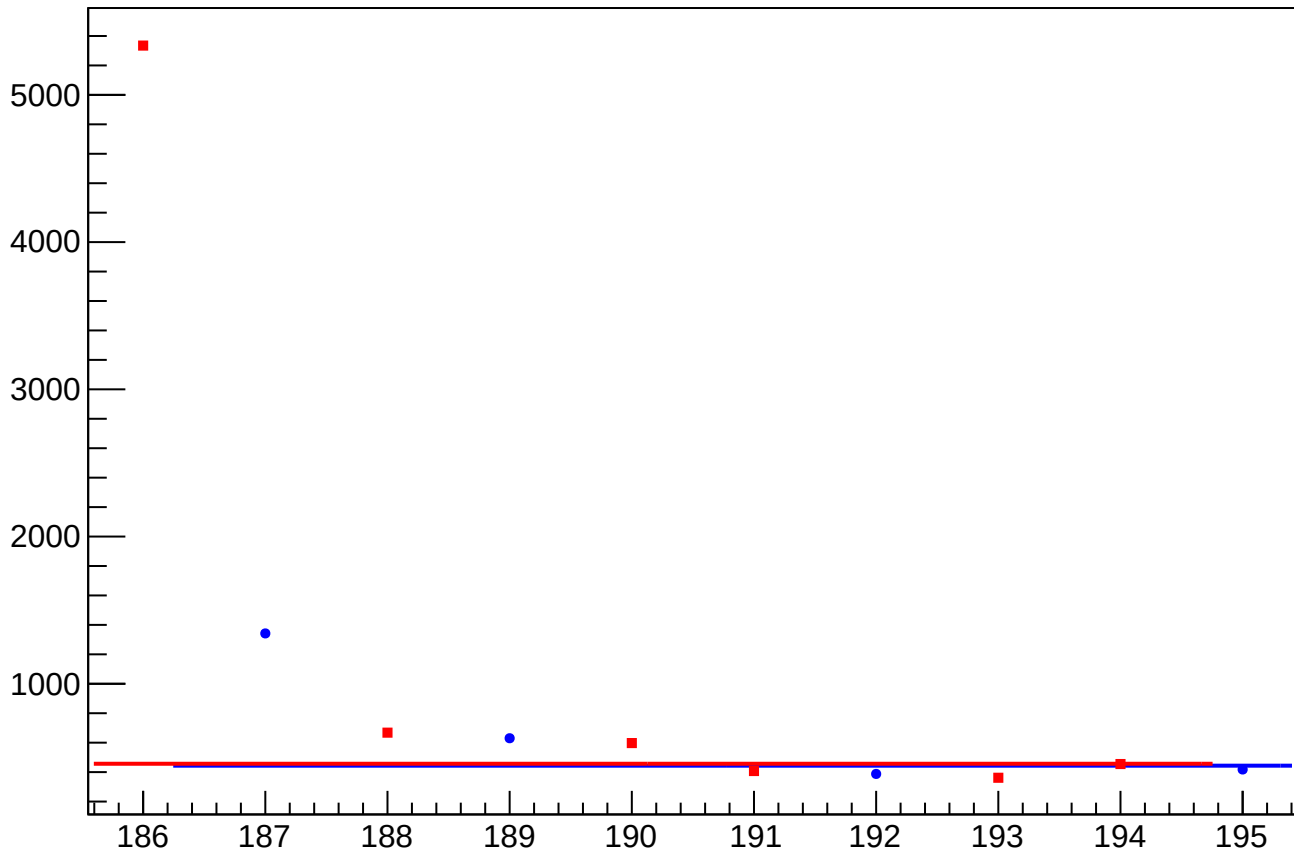
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 103.799+/-209.617  $\chi^2/\text{NDF}$ : 7.1/9

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

# asym\_sam1\_rms vs Slug



Right In: 443.725+/-0.238  $\chi^2/\text{NDF}$ : 236006.4/3

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

Right Out: 456.749+/-0.189  $\chi^2/\text{NDF}$ : 930268.4/5

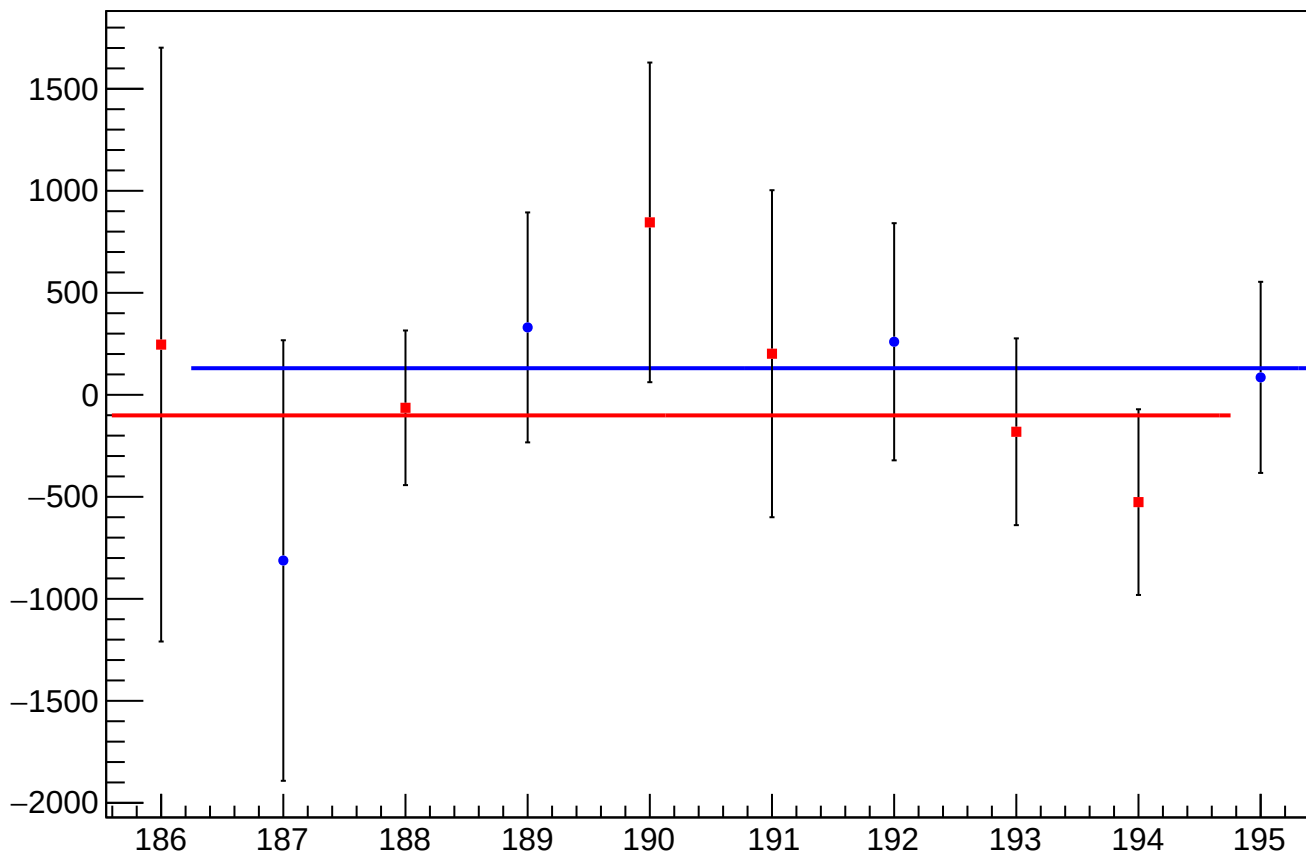
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 451.699+/-0.148  $\chi^2/\text{NDF}$ : 1168107.6/9

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

# dit\_asym\_sam2\_mean vs Slug



Right In: 130.474 $\pm$ 294.573  $\chi^2$ /NDF: 0.9/3

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

Right Out: -100.828 $\pm$ 222.376  $\chi^2$ /NDF: 2.6/5

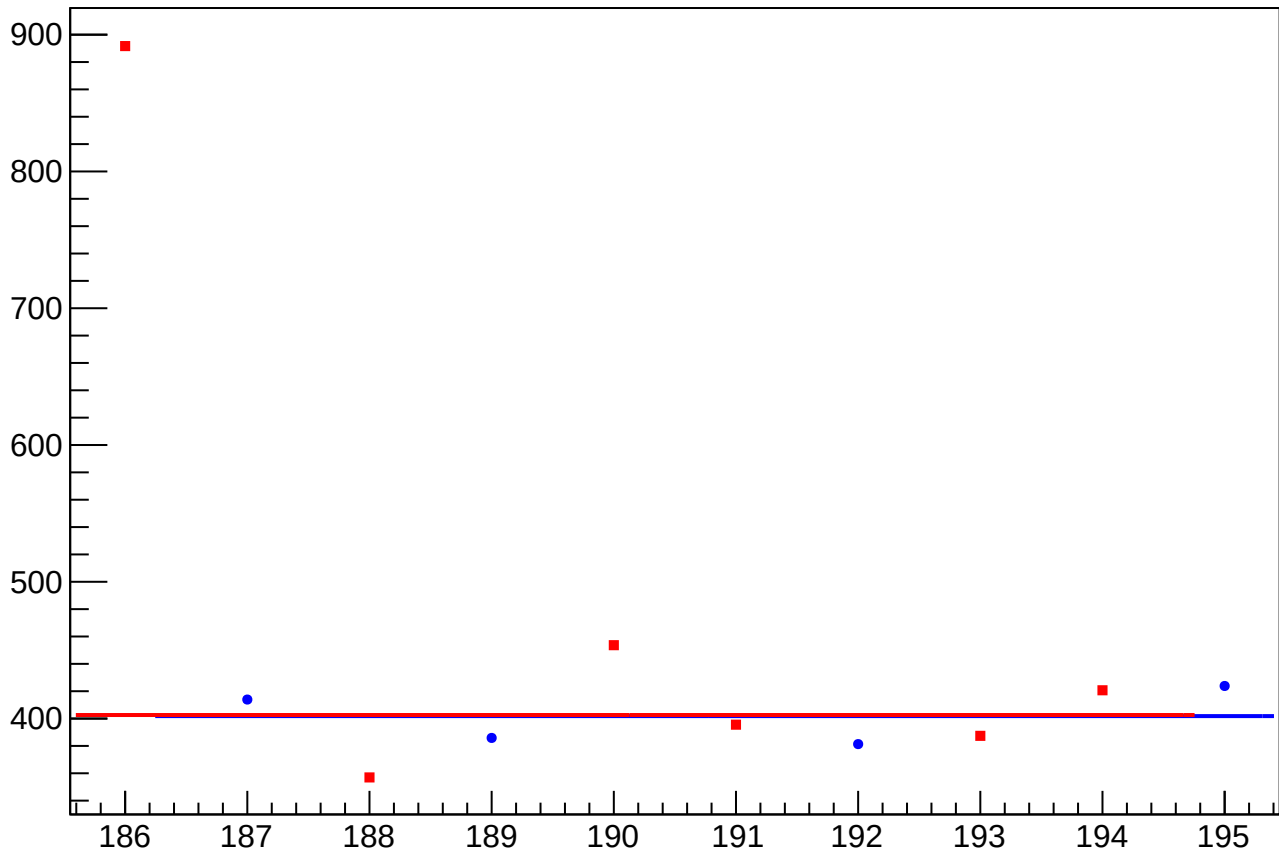
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -16.862 $\pm$ 177.482  $\chi^2$ /NDF: 3.9/9

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

# dit\_asym\_sam2\_rms vs Slug



Right In: 401.802 $\pm$ 0.208  $\chi^2$ /NDF: 8759.7/3

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

Right Out: 402.594 $\pm$ 0.157  $\chi^2$ /NDF: 268852.4/5

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

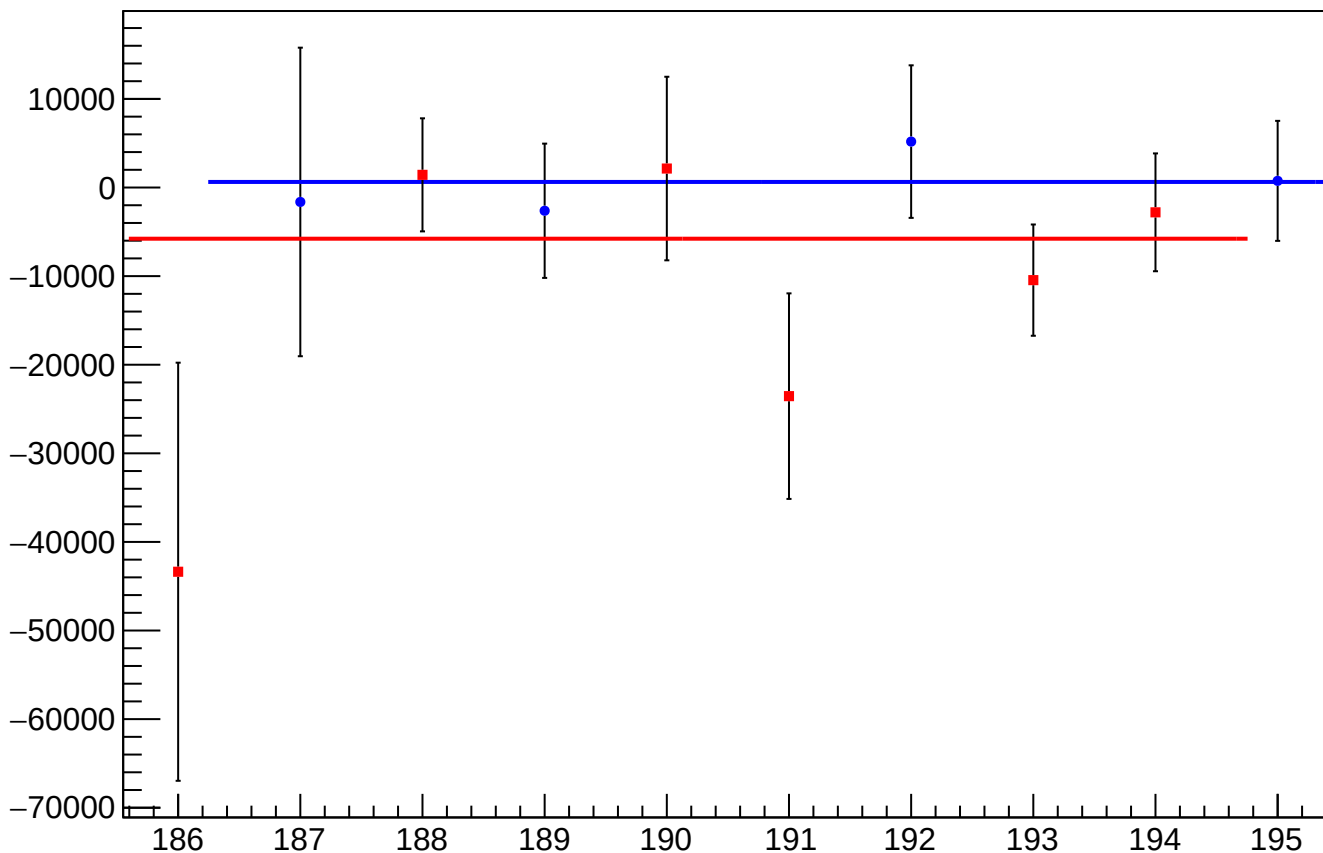
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 402.306 $\pm$ 0.125  $\chi^2$ /NDF: 277621.3/9

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



# asym\_sam2\_correction\_mean vs Slug



Right In:  $629.811 \pm 4225.299$   $\chi^2/\text{NDF}$ : 0.5/3

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

Right Out:  $-5776.683 \pm 3313.442$   $\chi^2/\text{NDF}$ : 7.5/5

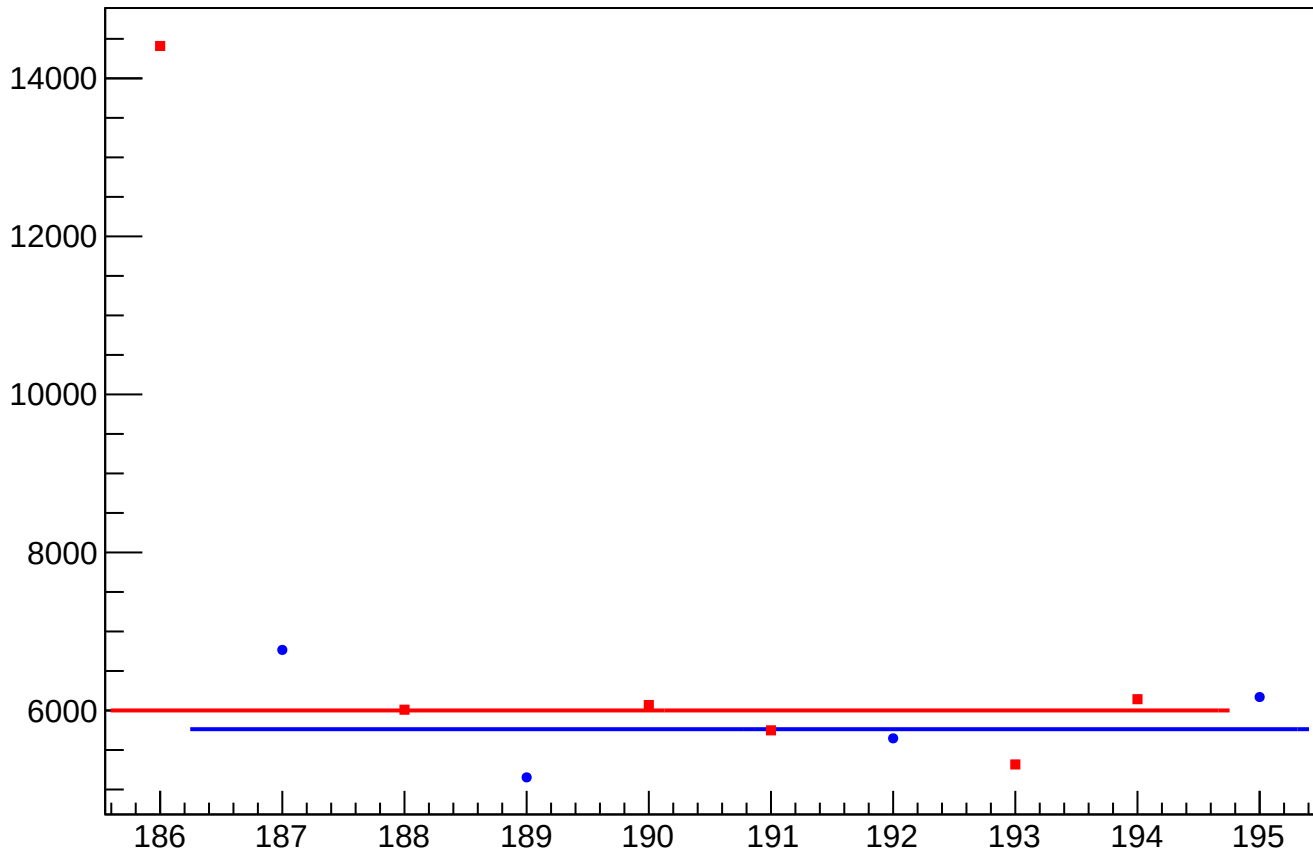
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-3337.167 \pm 2607.348$   $\chi^2/\text{NDF}$ : 9.4/9

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

# asym\_sam2\_correction\_rms vs Slug



Right In: 5763.319+/-2.988  $\chi^2/\text{NDF}$ : 27183.8/3

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

Right Out: 6000.454+/-2.343  $\chi^2/\text{NDF}$ : 279665.6/5

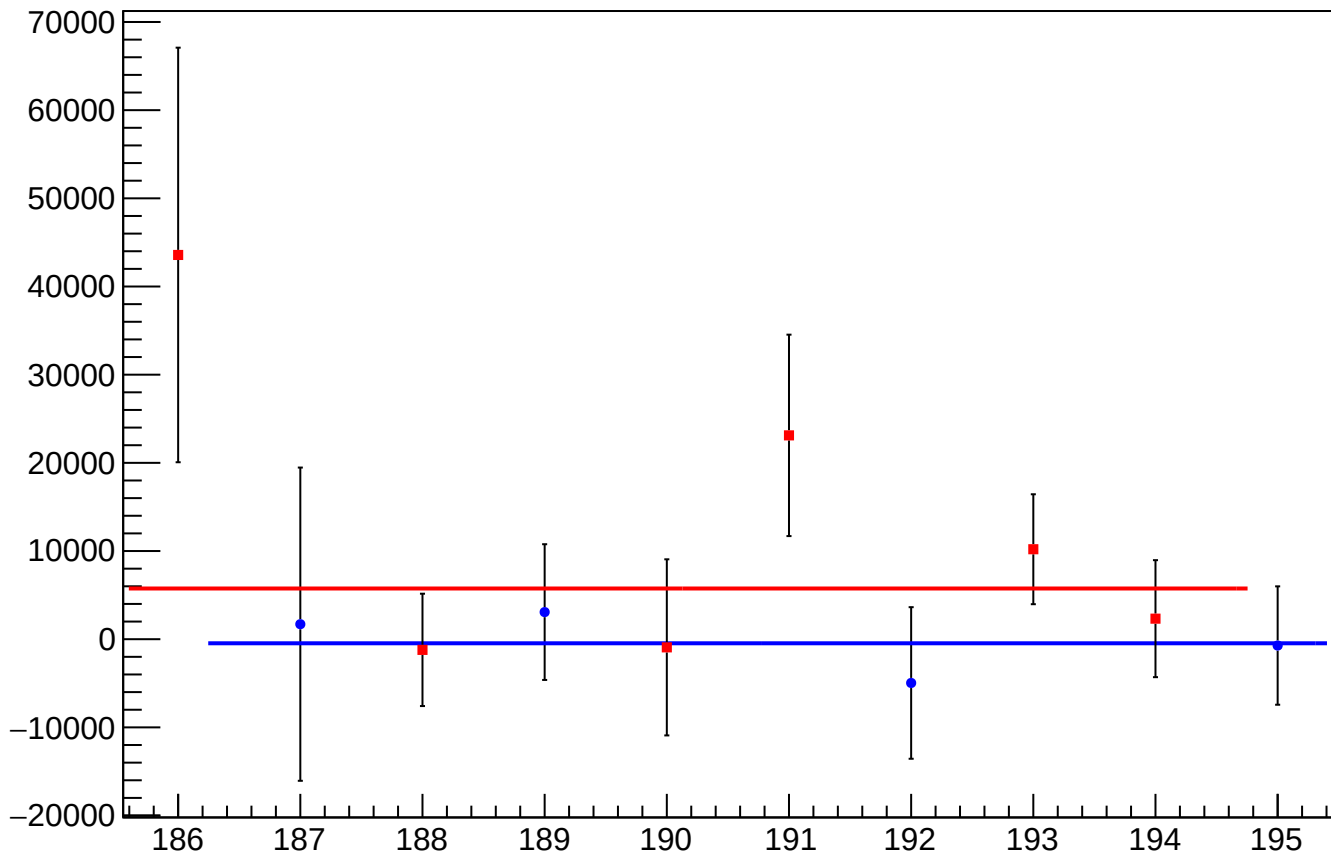
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5910.156+/-1.844  $\chi^2/\text{NDF}$ : 310750.1/9

- 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: 5749.923+/-3286.548  $\chi^2/\text{NDF}$ : 7.3/5

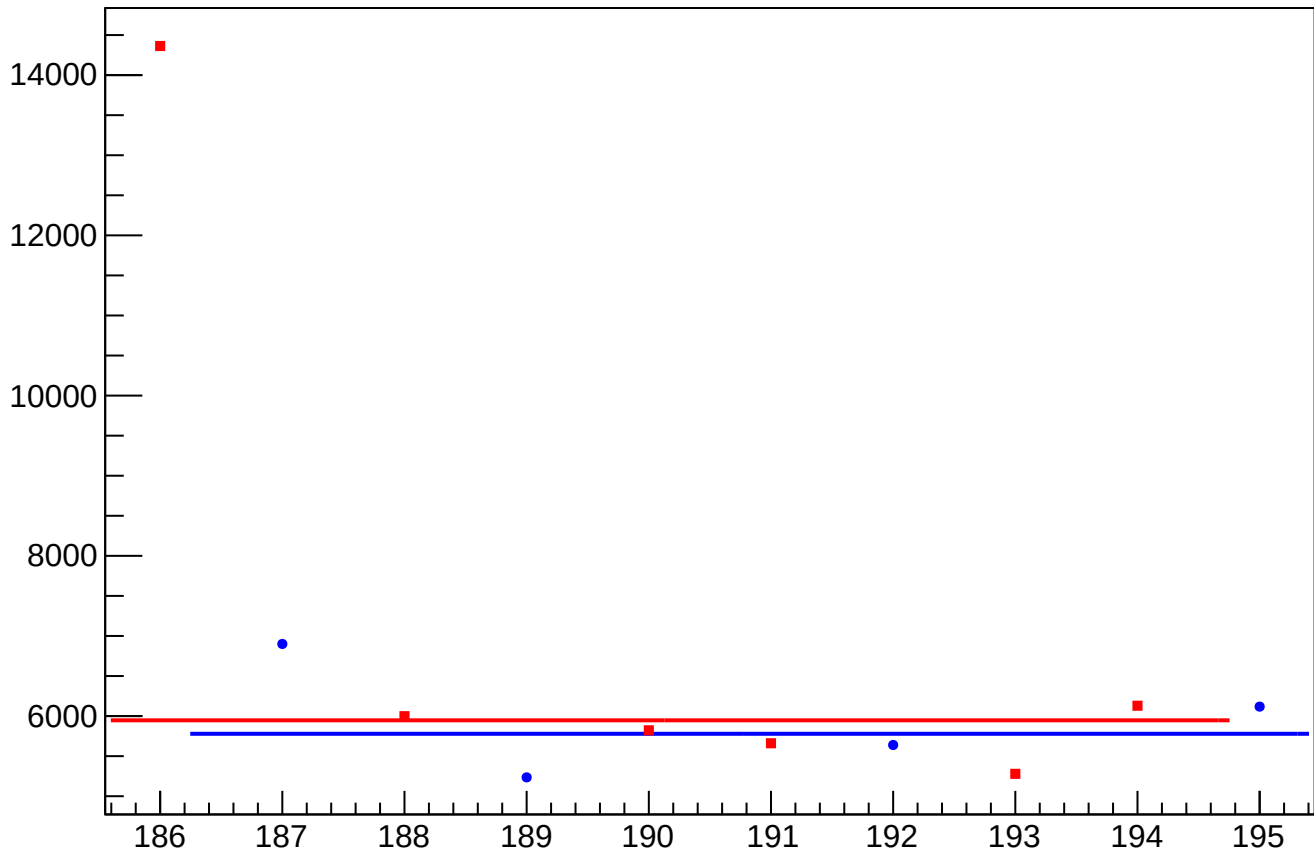
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 3414.250+/-2596.275  $\chi^2/\text{NDF}$ : 9.2/9

- 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: 5947.183+/-2.324  $\chi^2/\text{NDF}$ : 282488.5/5

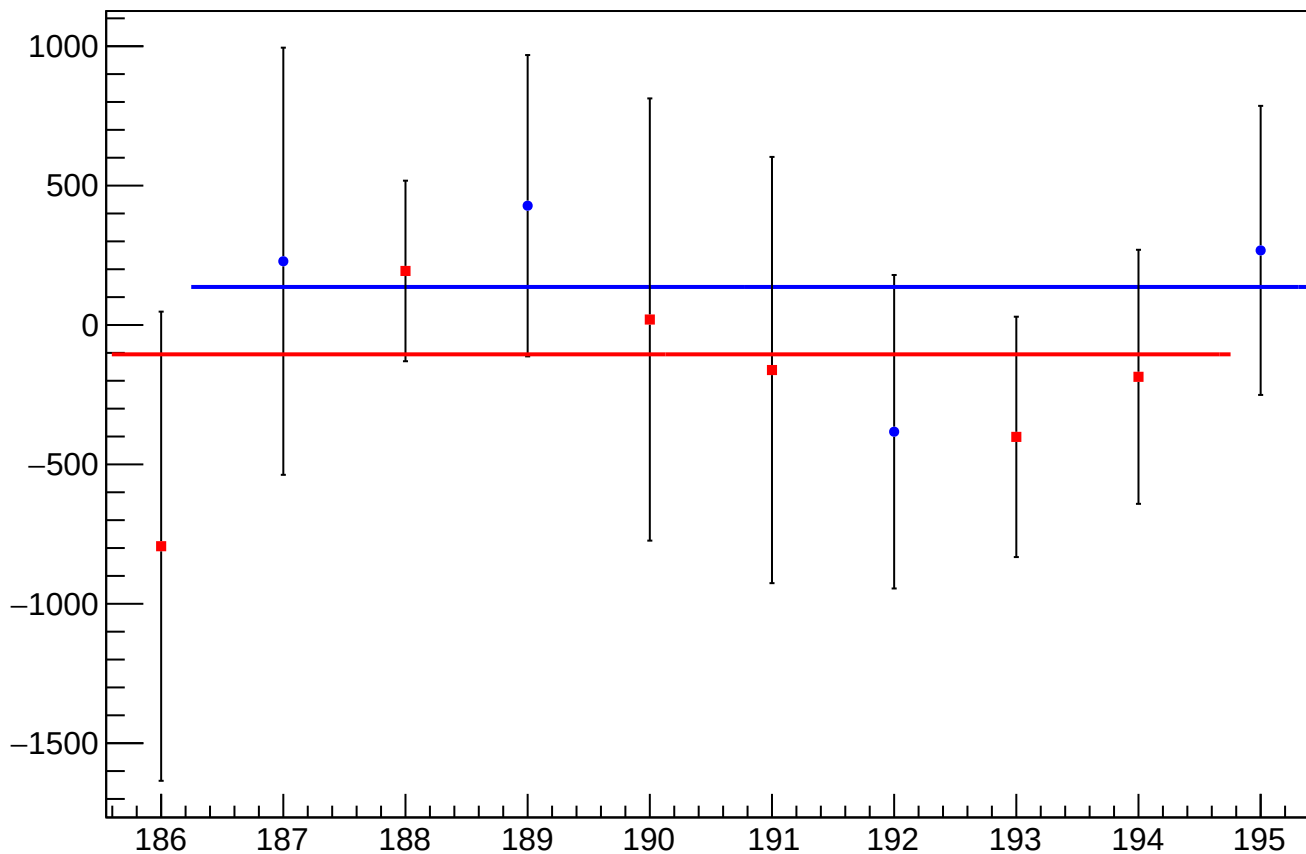
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 5883.974+/-1.836  $\chi^2/\text{NDF}$ : 308038.5/9

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

# dit\_asym\_sam3\_mean vs Slug



Right In: 136.477 $\pm$ 288.531  $\chi^2$ /NDF: 1.2/3

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

Right Out: -105.210 $\pm$ 202.250  $\chi^2$ /NDF: 2.1/5

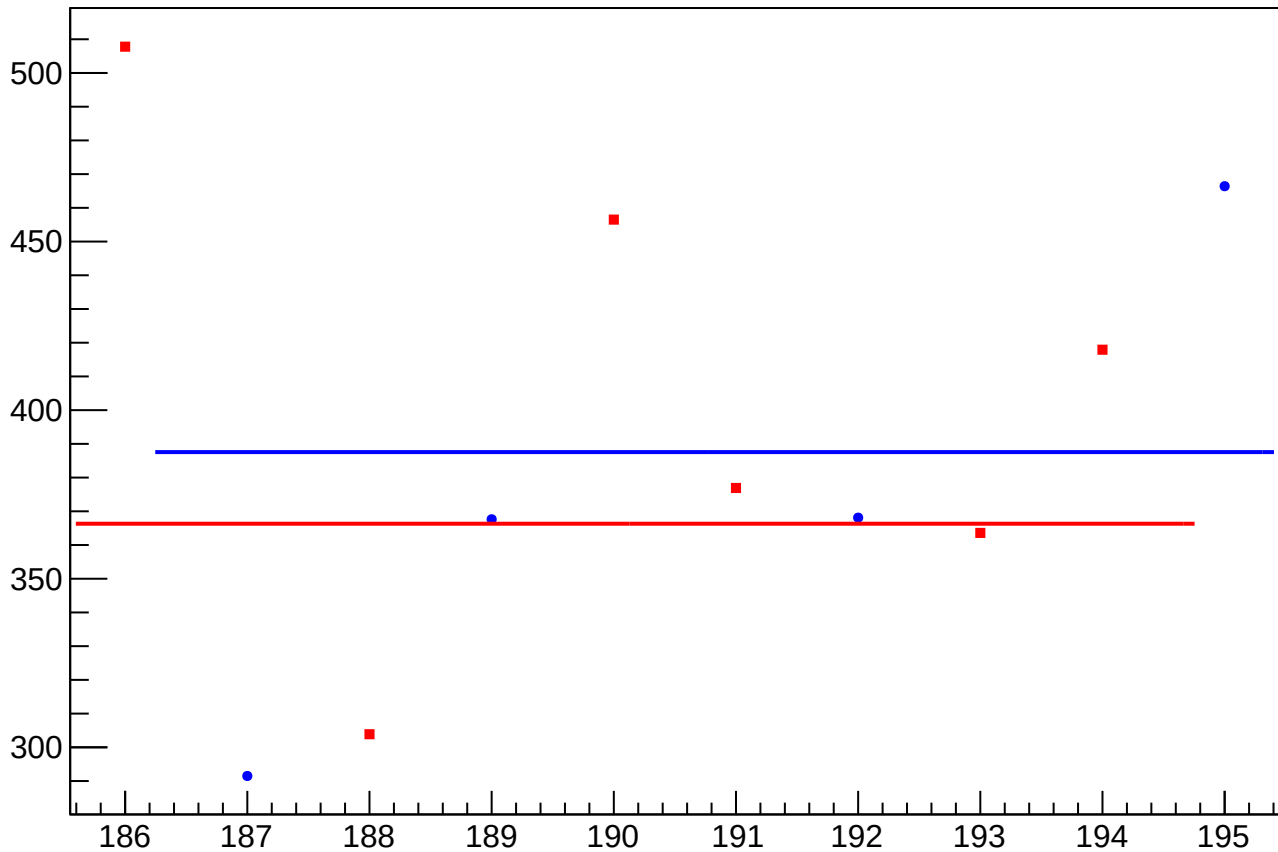
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -25.582 $\pm$ 165.615  $\chi^2$ /NDF: 3.7/9

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

# dit\_asym\_sam3\_rms vs Slug



Right In: 387.559 $\pm$ 0.204  $\chi^2$ /NDF: 82827.8/3

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

Right Out: 366.316 $\pm$ 0.143  $\chi^2$ /NDF: 182874.6/5

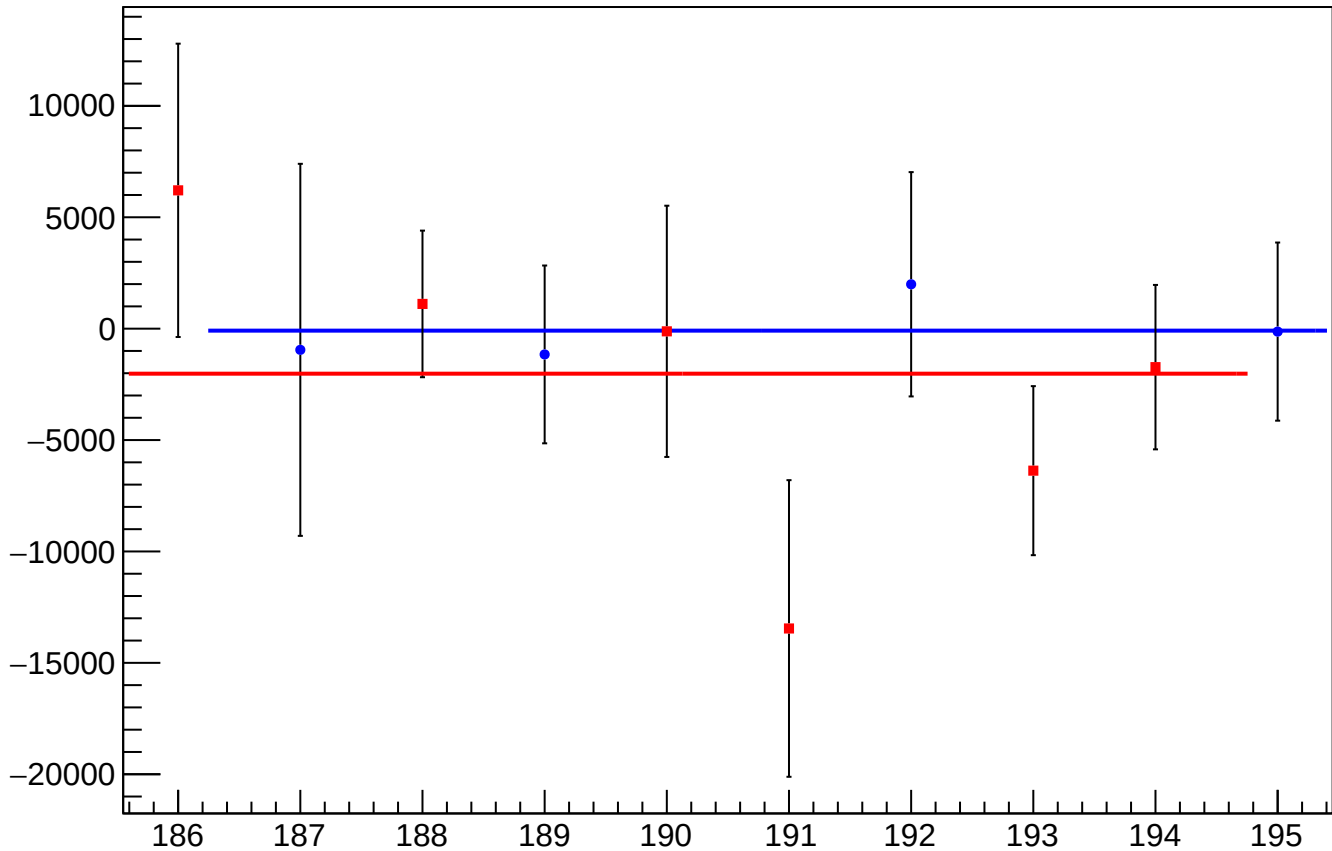
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 373.315 $\pm$ 0.117  $\chi^2$ /NDF: 272971.6/9

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

# asym\_sam3\_correction\_mean vs Slug



Right In:  $-88.590 \pm 2362.495$   $\chi^2/\text{NDF}$ : 0.3/3

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

Right Out:  $-2020.674 \pm 1789.185$   $\chi^2/\text{NDF}$ : 6.9/5

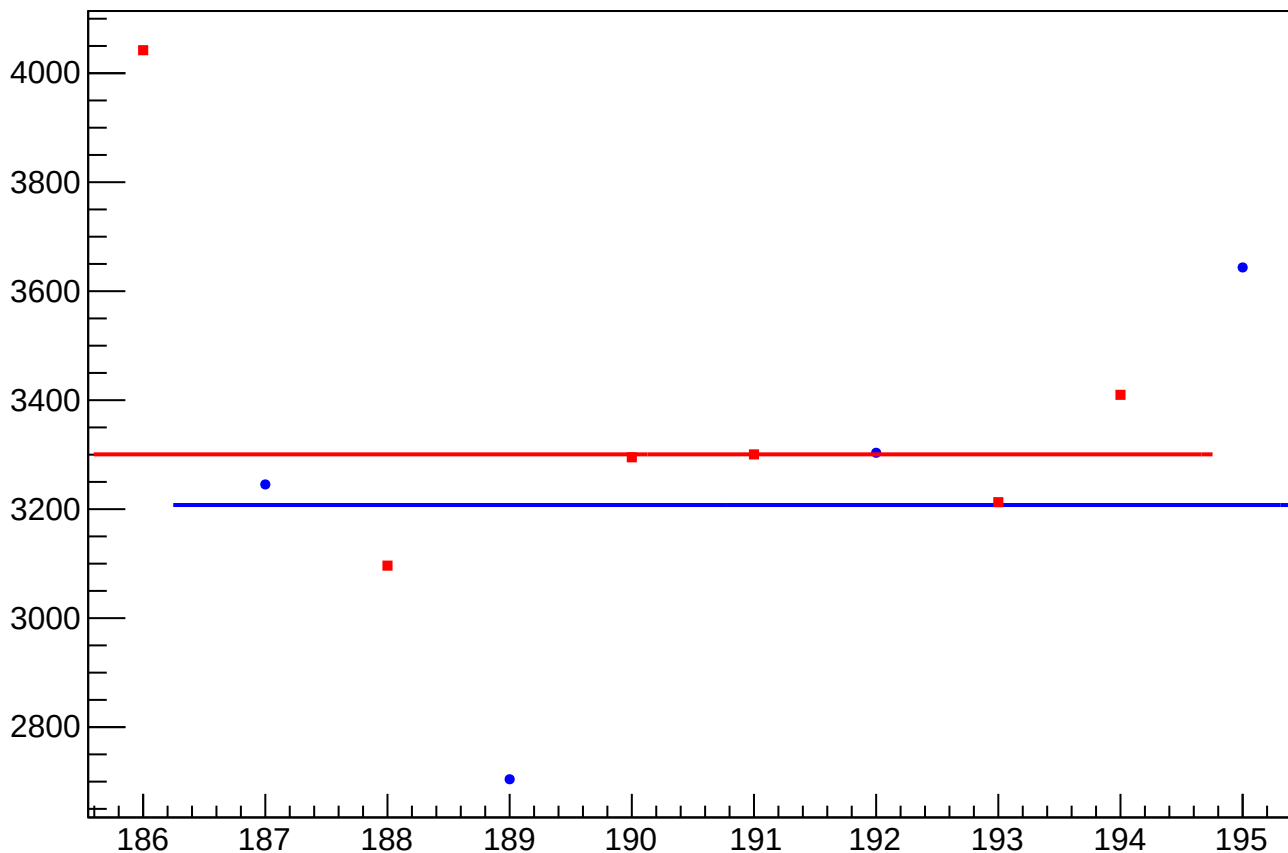
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-1316.443 \pm 1426.315$   $\chi^2/\text{NDF}$ : 7.5/9

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

# asym\_sam3\_correction\_rms vs Slug



Right In: 3207.604 $\pm$ 1.671  $\chi^2$ /NDF: 56358.0/3

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

Right Out: 3300.575 $\pm$ 1.265  $\chi^2$ /NDF: 35911.9/5

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

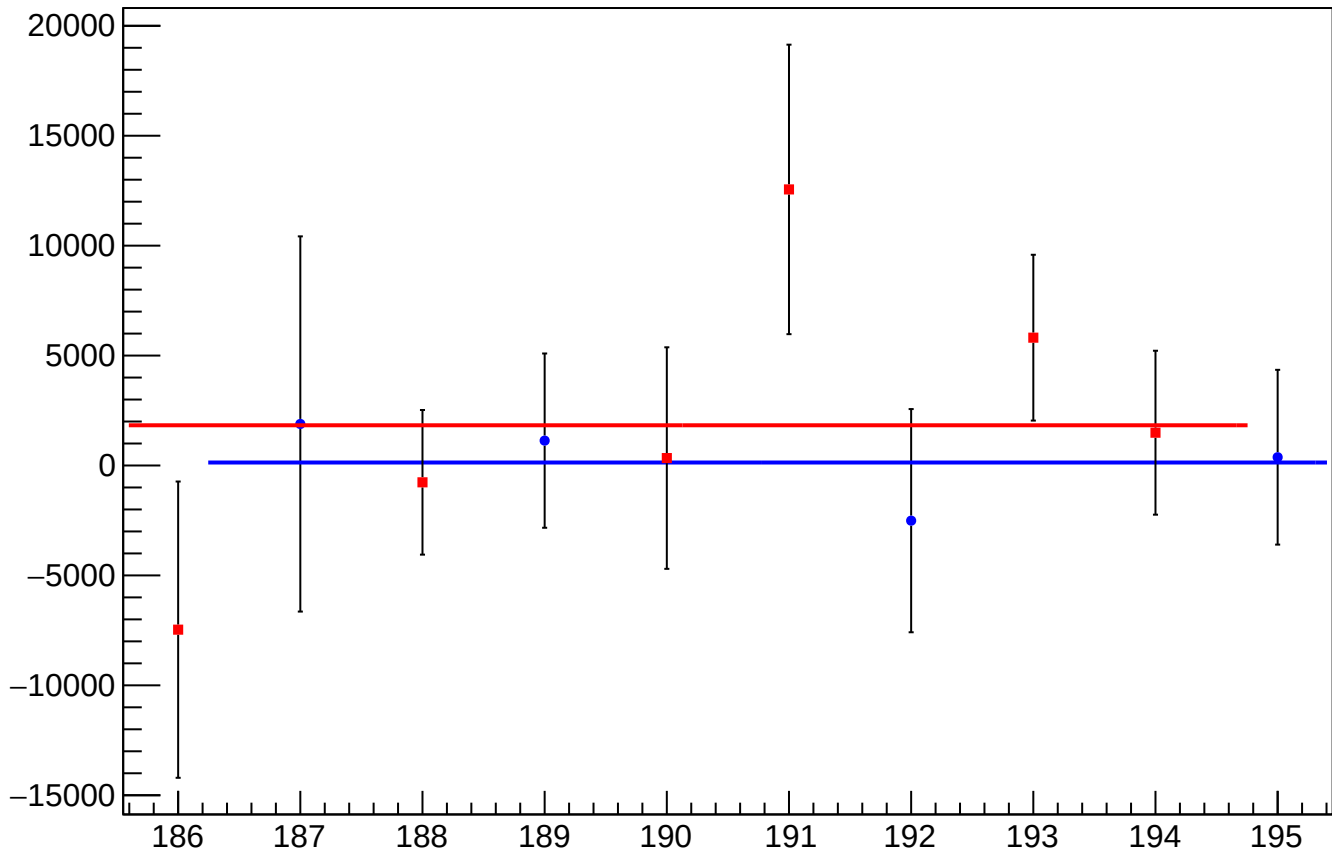
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3266.688 $\pm$ 1.009  $\chi^2$ /NDF: 94238.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 1829.349 $\pm$ 1770.118  $\chi^2$ /NDF: 6.4/5

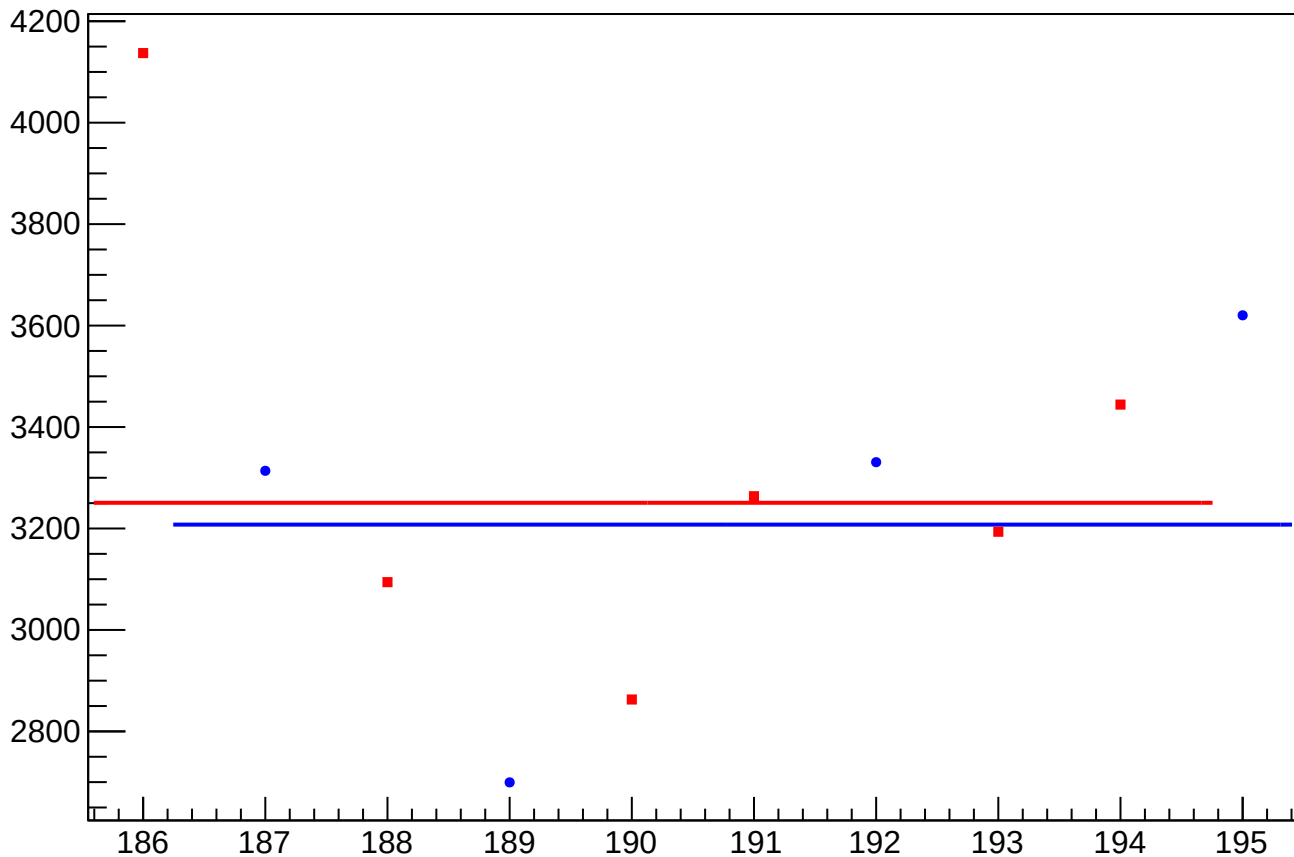
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1219.710 $\pm$ 1416.174  $\chi^2$ /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: 3250.681 $\pm$ 1.252  $\chi^2$ /NDF: 56841.2/5

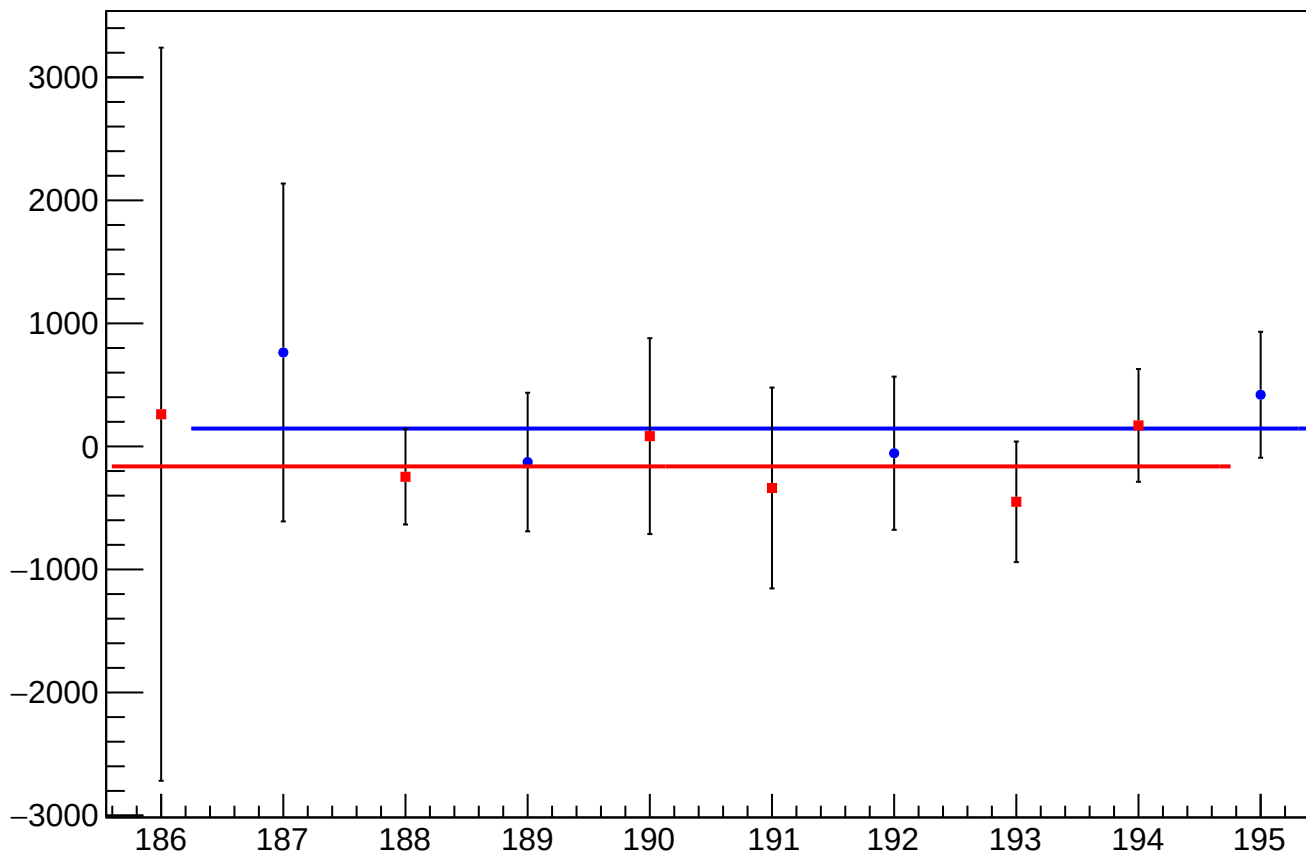
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 3235.192 $\pm$ 1.001  $\chi^2$ /NDF: 113166.4/9

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

# dit\_asym\_sam4\_mean vs Slug



Right In: 145.399 $\pm$ 315.004  $\chi^2$ /NDF: 0.8/3

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

Right Out: -162.298 $\pm$ 230.897  $\chi^2$ /NDF: 1.1/5

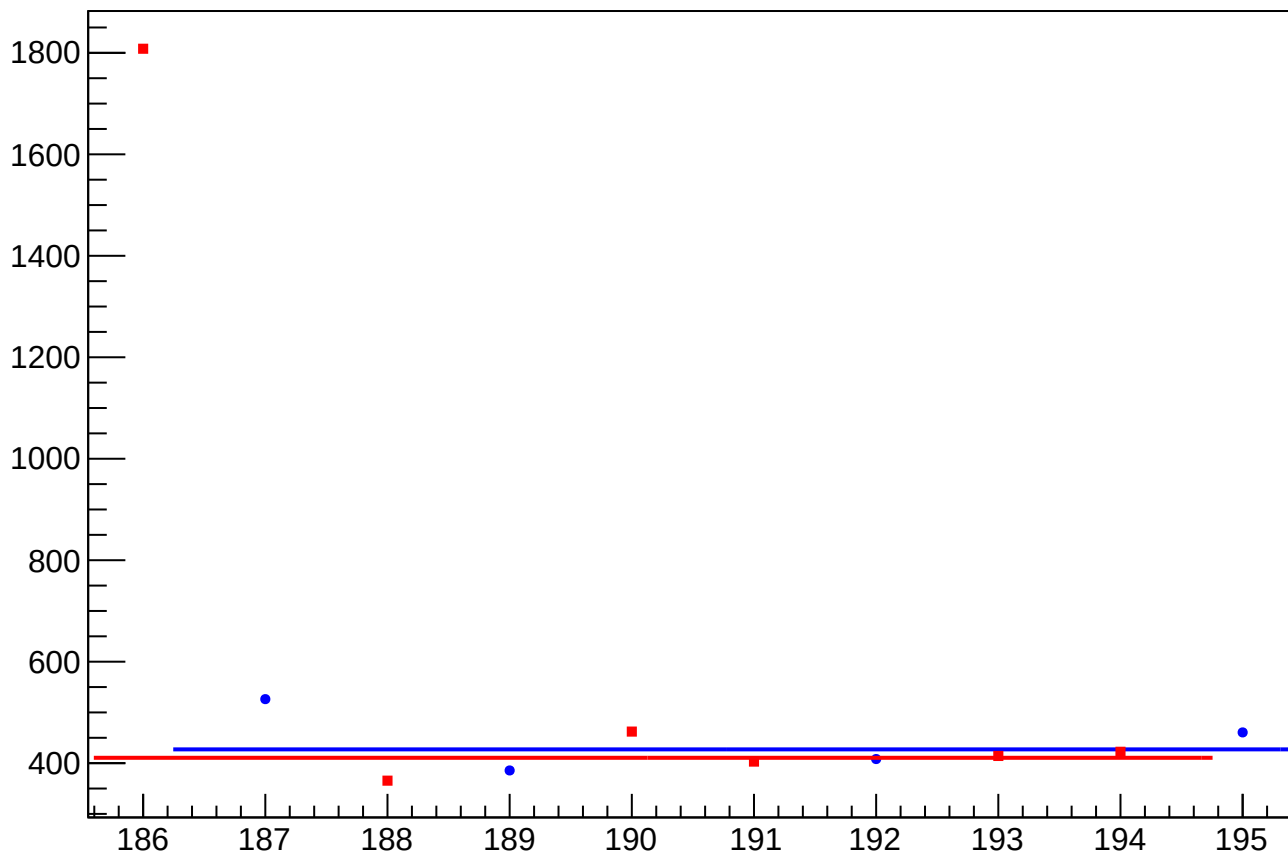
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -54.757 $\pm$ 186.226  $\chi^2$ /NDF: 2.5/9

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

# dit\_asym\_sam4\_rms vs Slug



Right In:  $427.184 \pm 0.223$   $\chi^2/\text{NDF}$ : 31687.8/3

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

Right Out:  $410.588 \pm 0.163$   $\chi^2/\text{NDF}$ : 477030.6/5

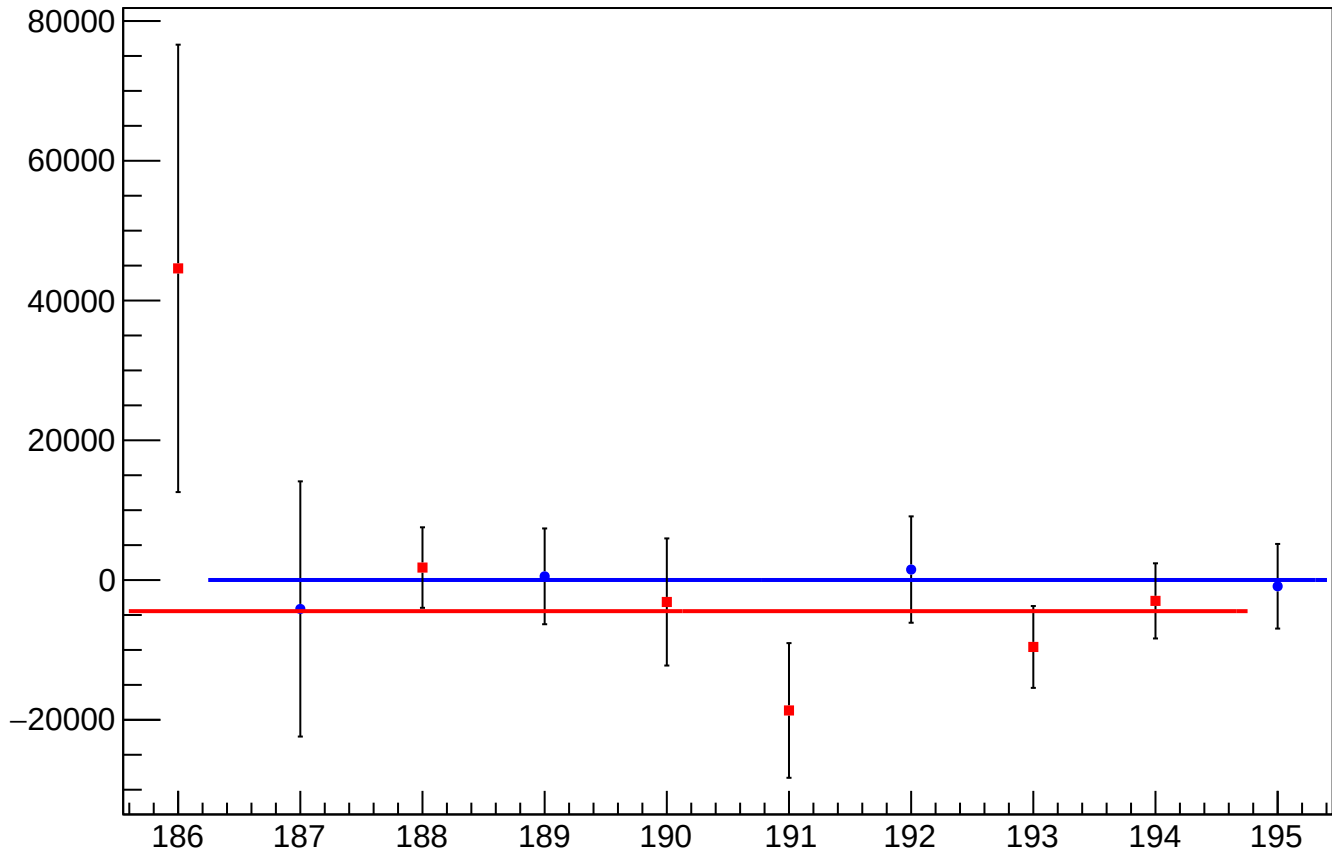
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $416.388 \pm 0.132$   $\chi^2/\text{NDF}$ : 512330.0/9

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

# asym\_sam4\_correction\_mean vs Slug



Right In: 11.262 $\pm$ 3812.264  $\chi^2$ /NDF: 0.1/3

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

Right Out: -4448.167 $\pm$ 2915.117  $\chi^2$ /NDF: 6.6/5

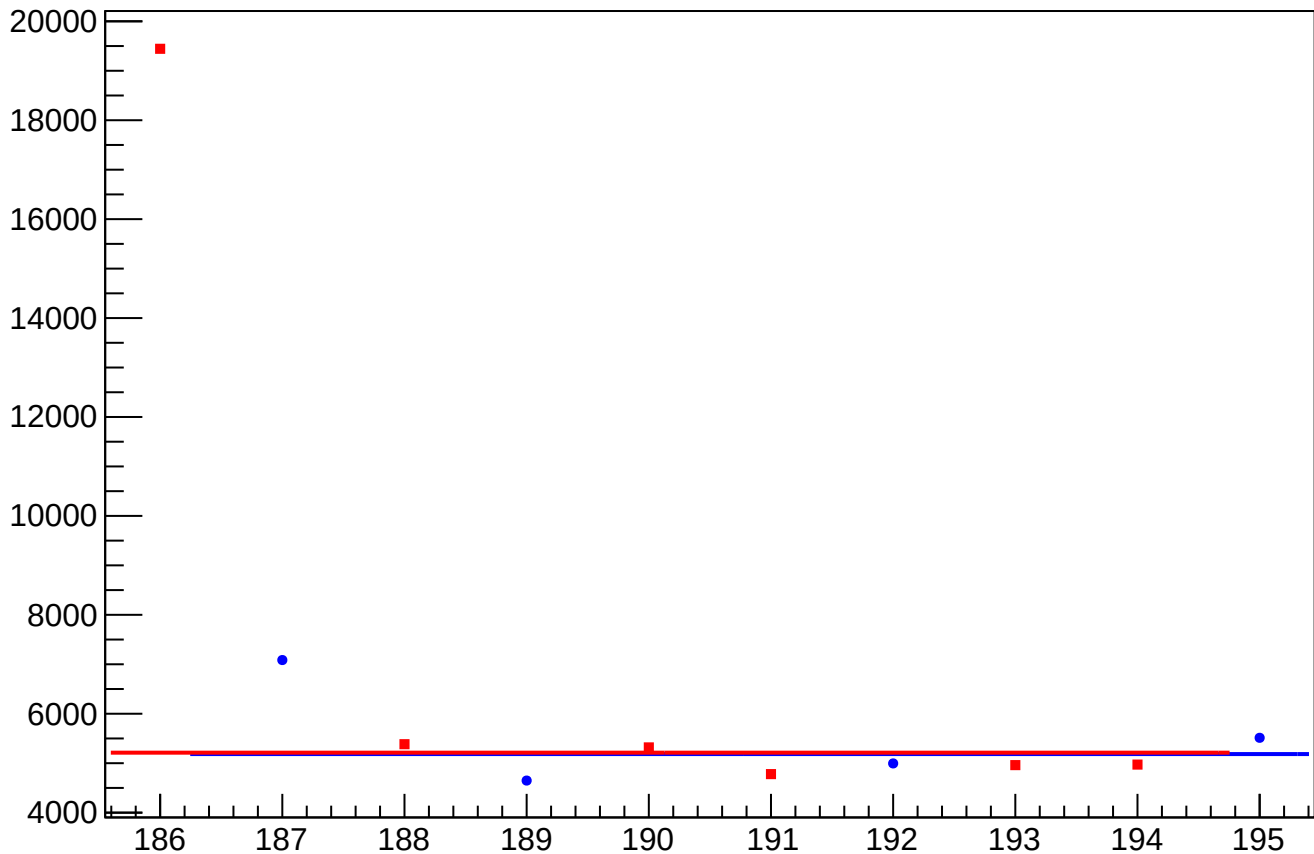
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -2802.759 $\pm$ 2315.688  $\chi^2$ /NDF: 7.5/9

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

# asym\_sam4\_correction\_rms vs Slug



Right In: 5184.489 $\pm$ 2.696  $\chi^2$ /NDF: 41021.4/3

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

Right Out: 5212.867 $\pm$ 2.061  $\chi^2$ /NDF: 409054.9/5

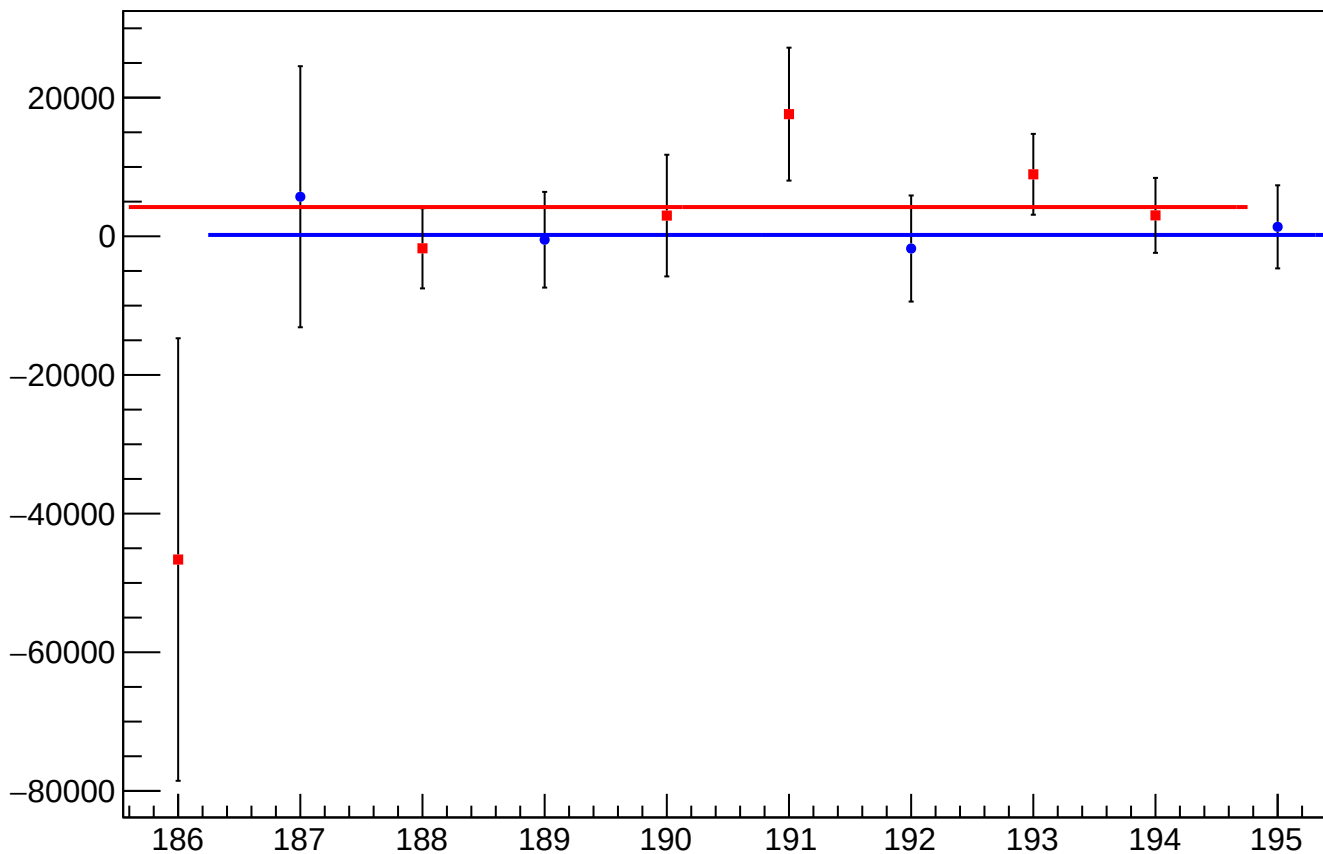
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

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

All: 5202.396 $\pm$ 1.637  $\chi^2$ /NDF: 450146.2/9

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

# asym\_sam4\_mean vs Slug



Right In:  $196.147 \pm 3814.444$   $\chi^2/\text{NDF}$ : 0.2/3

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

Right Out:  $4217.542 \pm 2906.524$   $\chi^2/\text{NDF}$ : 6.3/5

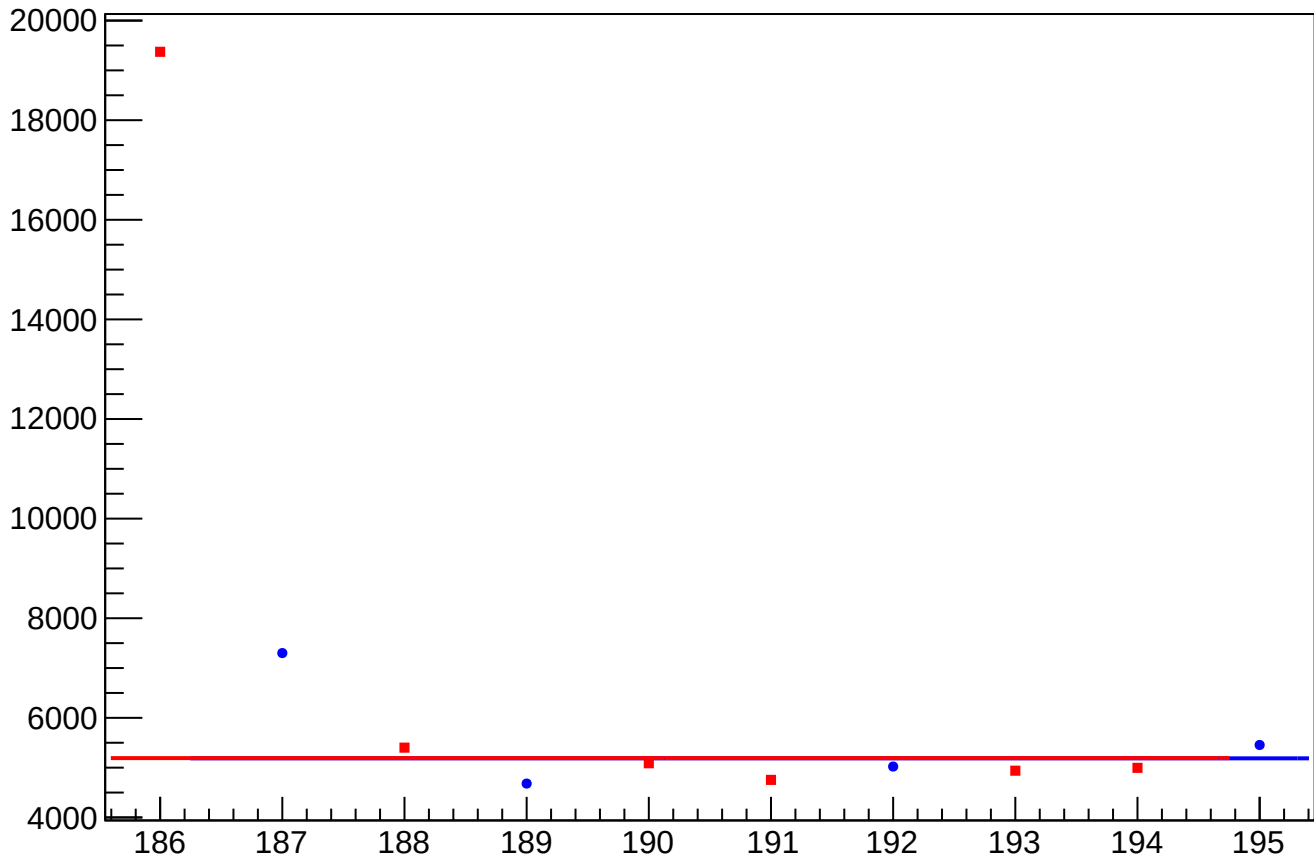
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $2740.350 \pm 2311.859$   $\chi^2/\text{NDF}$ : 7.2/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 5191.549 $\pm$ 2.055  $\chi^2$ /NDF: 408319.2/5

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

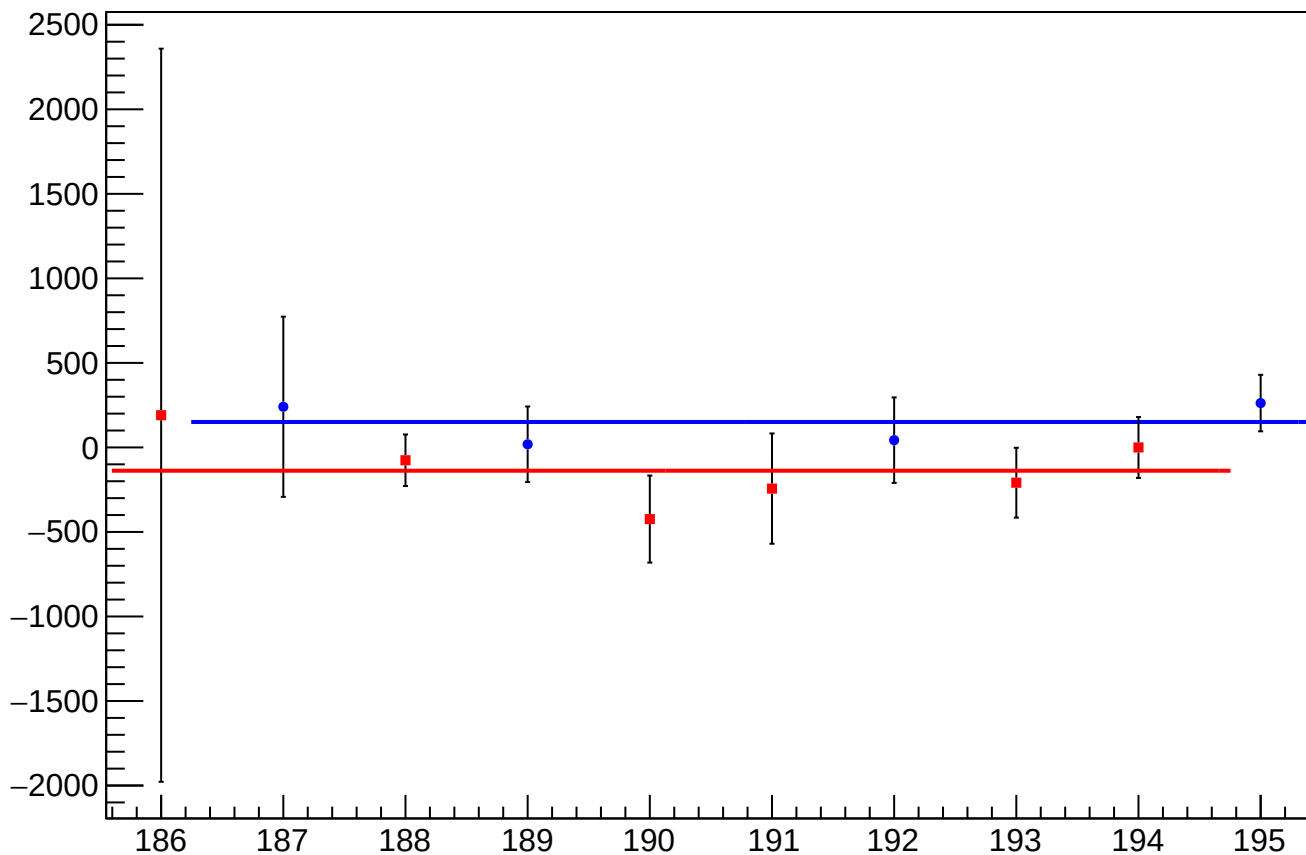
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5189.857 $\pm$ 1.635  $\chi^2$ /NDF: 449221.5/9

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



# dit\_asym\_sam5\_mean vs Slug



Right In: 150.530 $\pm$ 115.483  $\chi^2$ /NDF: 1.0/3

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

Right Out: -137.849 $\pm$ 90.586  $\chi^2$ /NDF: 2.2/5

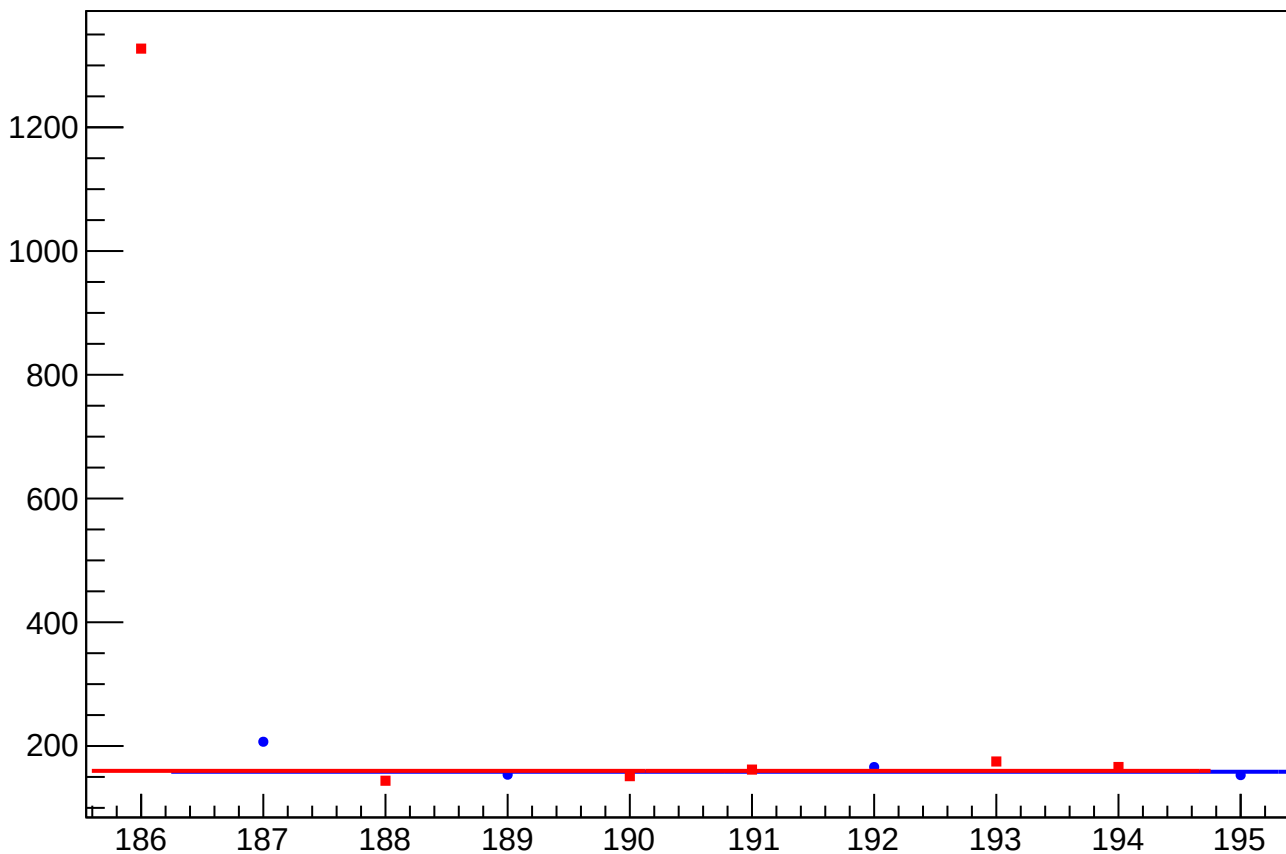
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -28.000 $\pm$ 71.275  $\chi^2$ /NDF: 7.1/9

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

# dit\_asym\_sam5\_rms vs Slug



Right In: 158.371+/-0.082  $\chi^2/\text{NDF}$ : 21428.8/3

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

Right Out: 159.821+/-0.064  $\chi^2/\text{NDF}$ : 616983.6/5

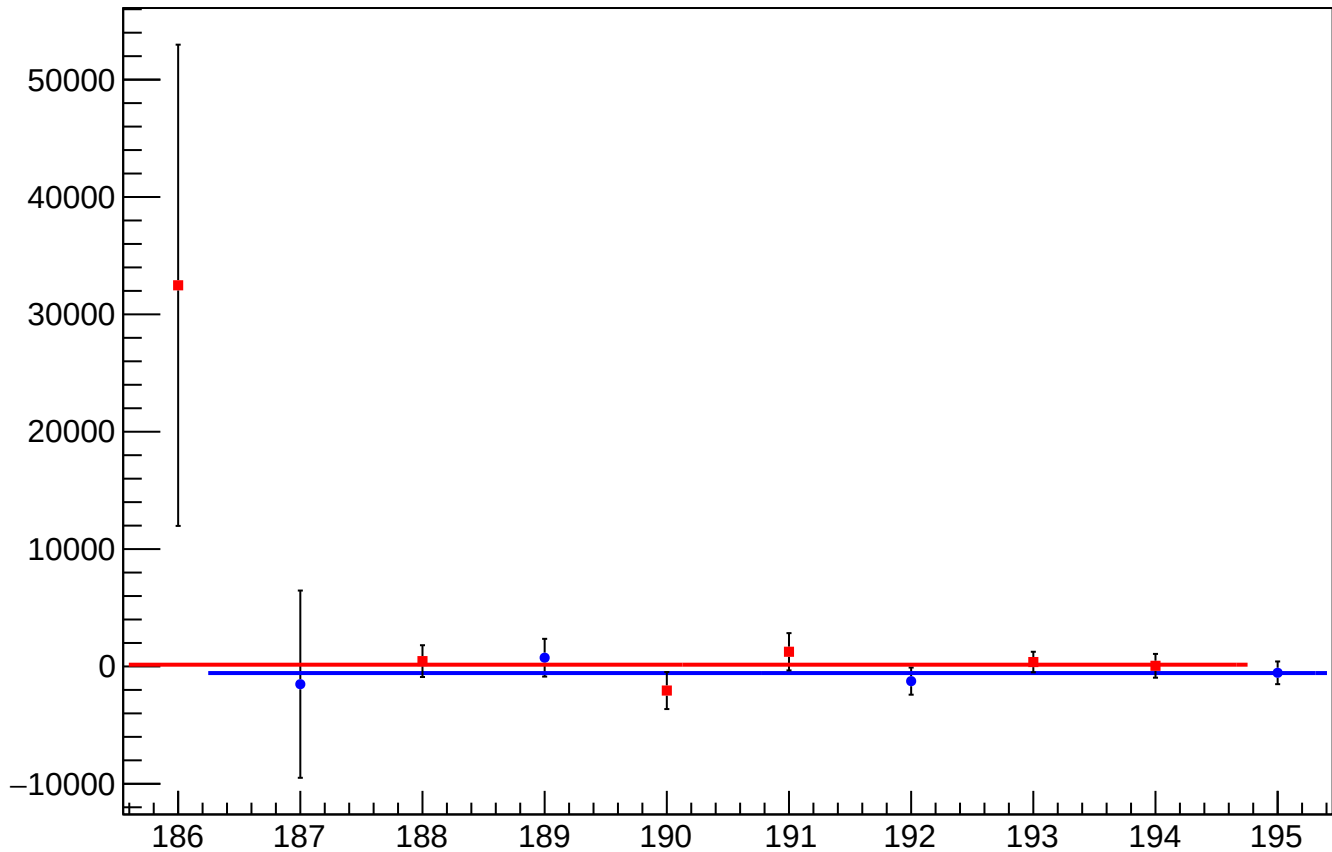
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 159.268+/-0.050  $\chi^2/\text{NDF}$ : 638607.6/9

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

# asym\_sam5\_correction\_mean vs Slug



Right In: -563.442+/-671.212  $\chi^2/\text{NDF}$ : 1.0/3

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

Right Out: 149.200+/-525.006  $\chi^2/\text{NDF}$ : 5.0/5

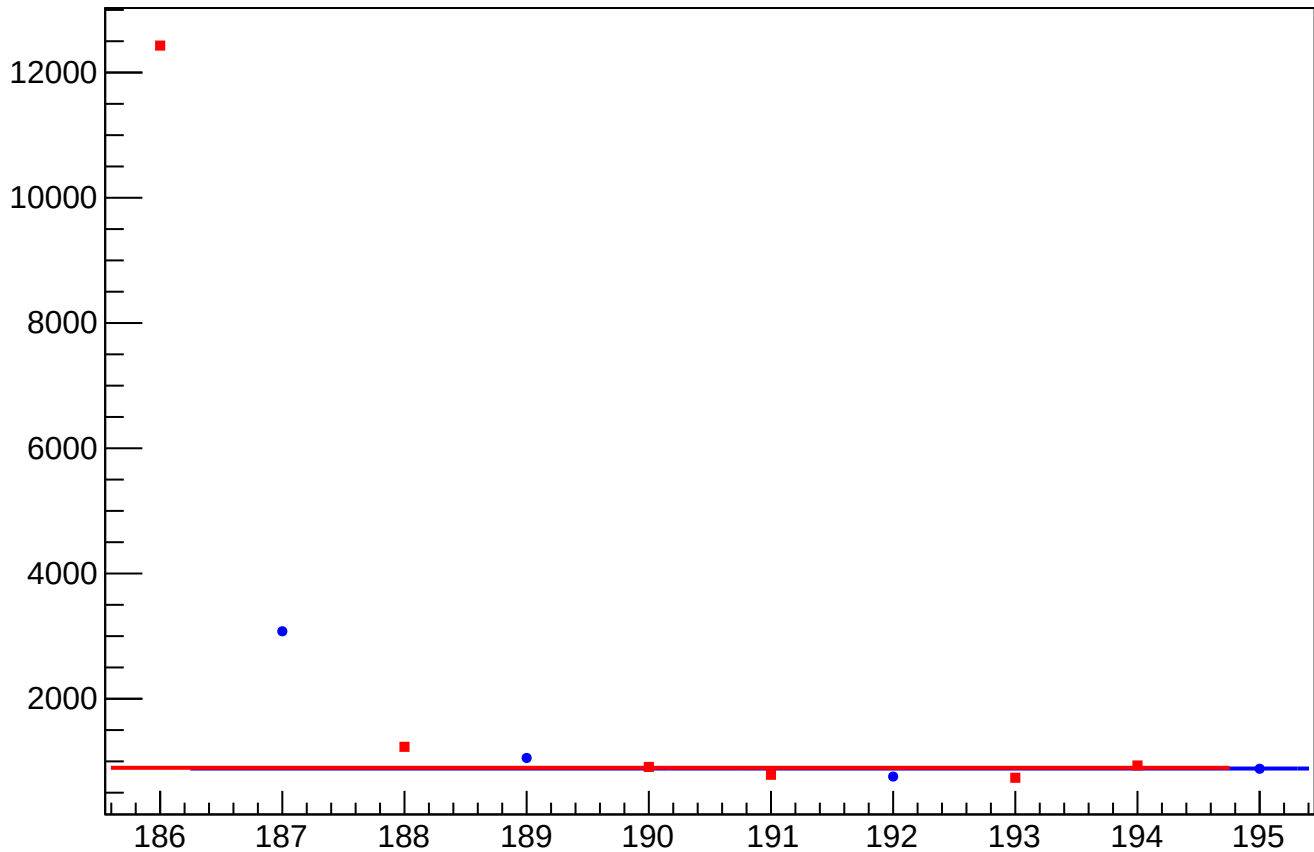
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -121.302+/-413.532  $\chi^2/\text{NDF}$ : 6.8/9

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

# asym\_sam5\_correction\_rms vs Slug



Right In: 885.862 $\pm$ 0.475  $\chi^2$ /NDF: 197589.4/3

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

Right Out: 897.588 $\pm$ 0.371  $\chi^2$ /NDF: 834027.2/5

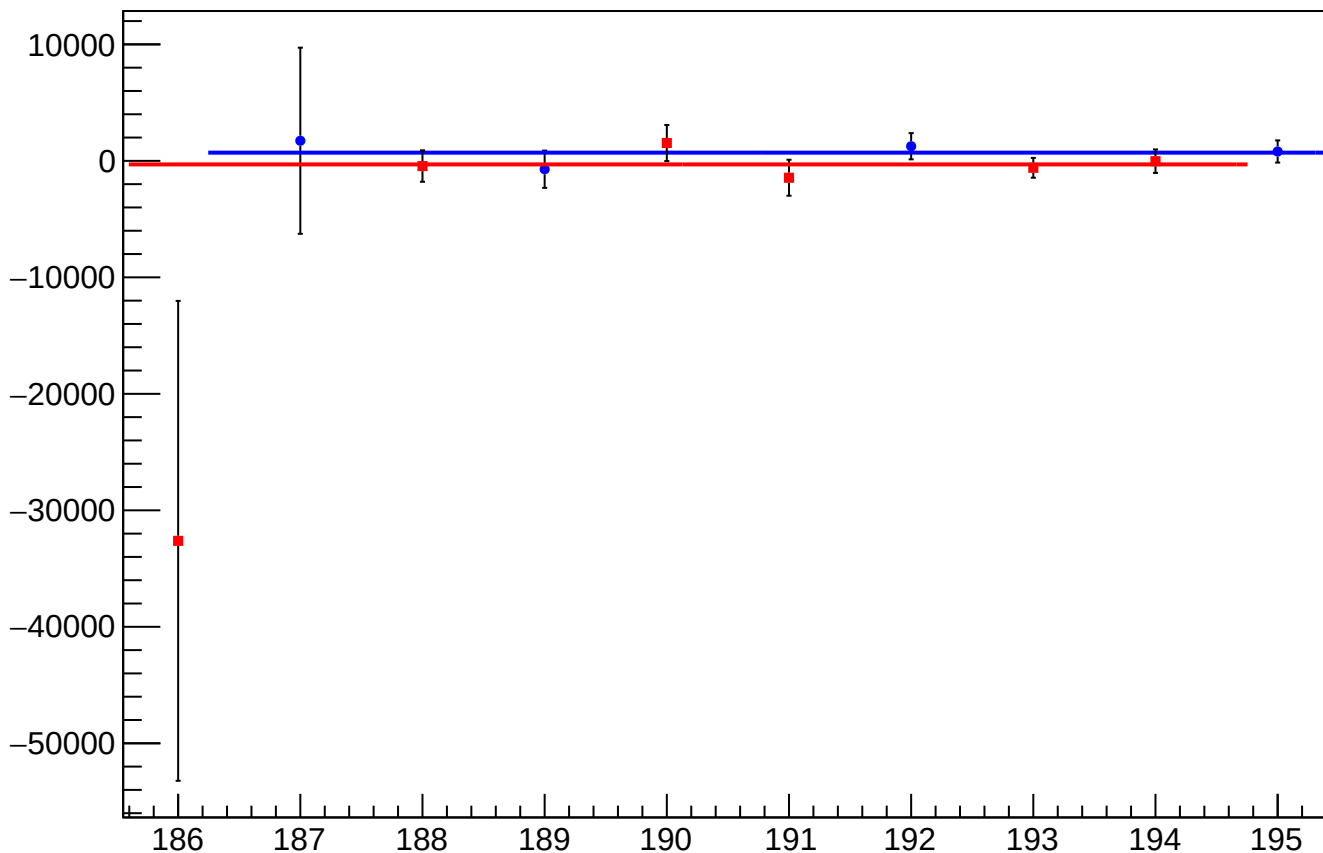
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 893.137 $\pm$ 0.292  $\chi^2$ /NDF: 1031995.4/9

- 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: -304.838 $\pm$ 516.332  $\chi^2$ /NDF: 4.6/5

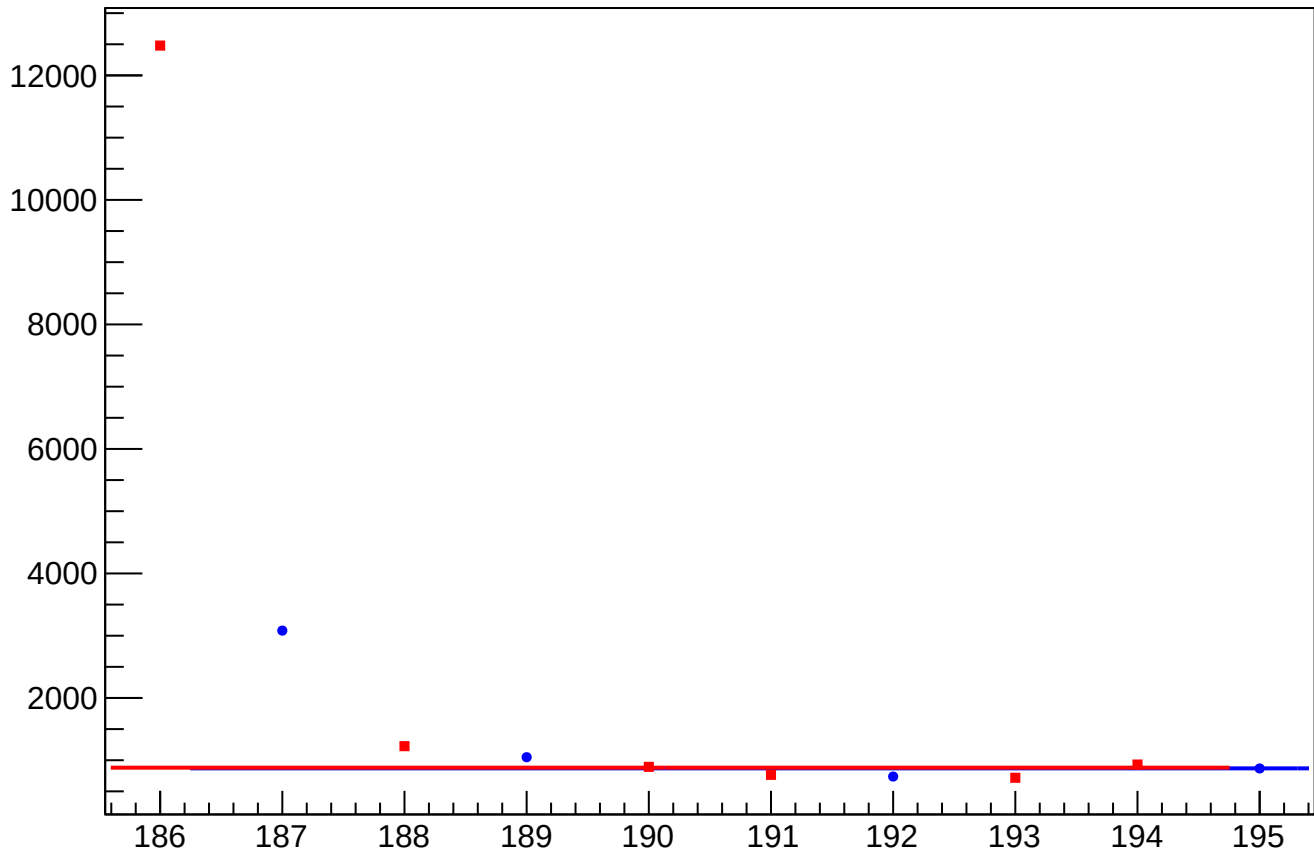
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 79.173 $\pm$ 406.574  $\chi^2$ /NDF: 7.1/9

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

# asym\_sam5\_rms vs Slug



Right In: 869.295 $\pm$ 0.466  $\chi^2$ /NDF: 205763.4/3

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

Right Out: 880.512 $\pm$ 0.365  $\chi^2$ /NDF: 854187.8/5

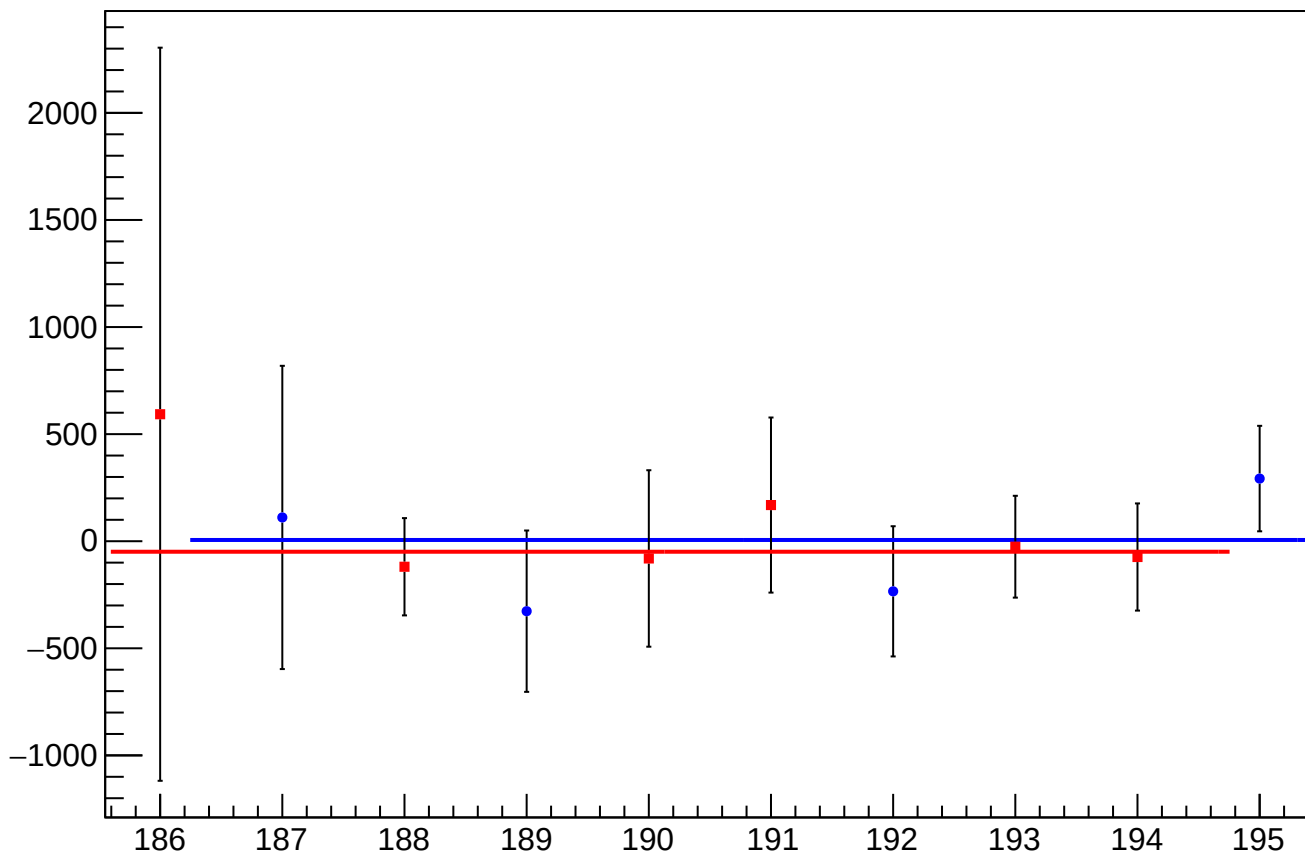
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

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

All: 876.250 $\pm$ 0.287  $\chi^2$ /NDF: 1060309.8/9

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

# dit\_asym\_sam6\_mean vs Slug



Right In: 5.790 $\pm$ 165.851  $\chi^2$ /NDF: 2.8/3

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

Right Out: -49.103 $\pm$ 123.772  $\chi^2$ /NDF: 0.5/5

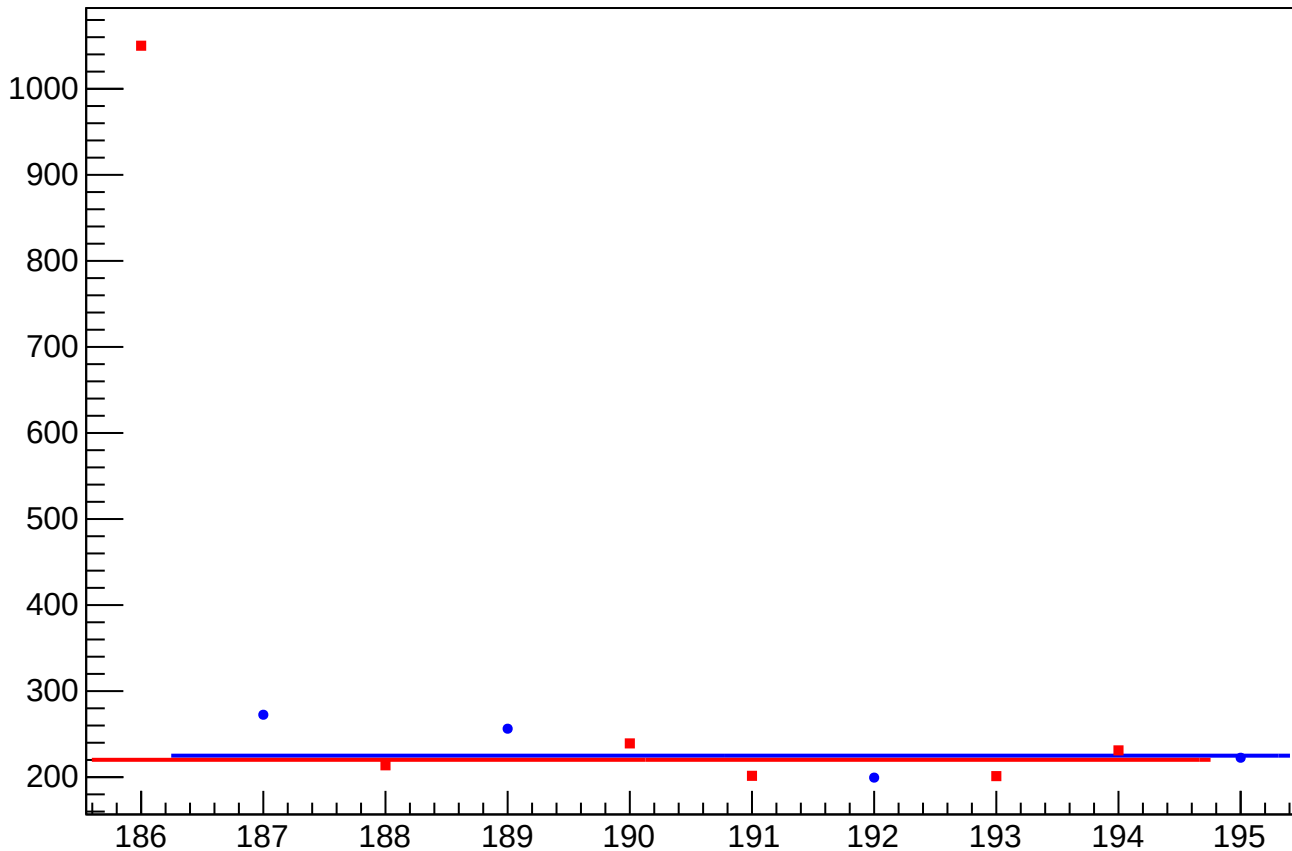
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -29.467 $\pm$ 99.194  $\chi^2$ /NDF: 3.4/9

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

# dit\_asym\_sam6\_rms vs Slug



Right In: 224.968 $\pm$ 0.117  $\chi^2$ /NDF: 37148.7/3

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

Right Out: 220.160 $\pm$ 0.088  $\chi^2$ /NDF: 496816.5/5

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

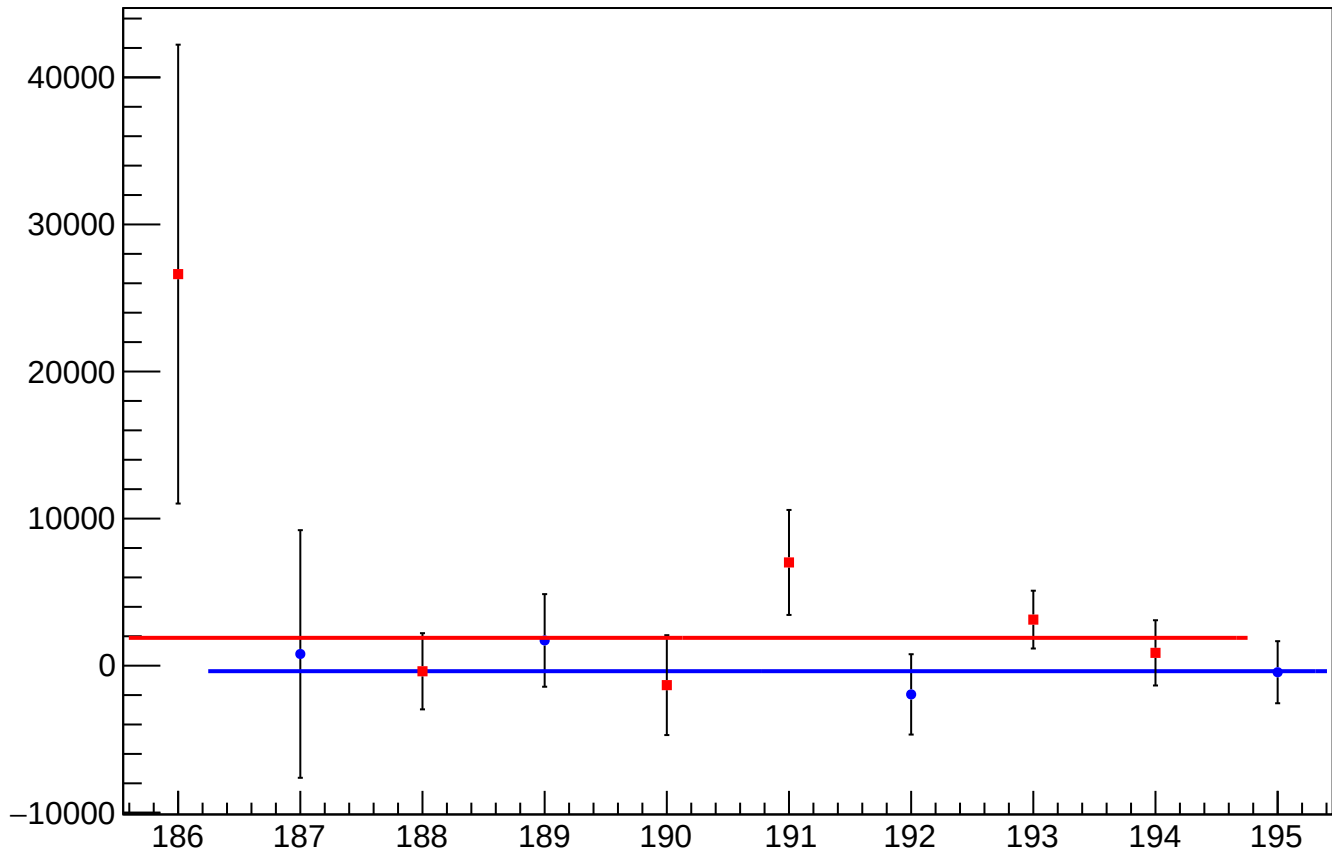
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 221.880 $\pm$ 0.070  $\chi^2$ /NDF: 535044.5/9

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



# asym\_sam6\_correction\_mean vs Slug



Right In: -374.809+/-1453.211  $\chi^2/\text{NDF}$ : 0.8/3

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

Right Out: 1891.831+/-1131.867  $\chi^2/\text{NDF}$ : 6.9/5

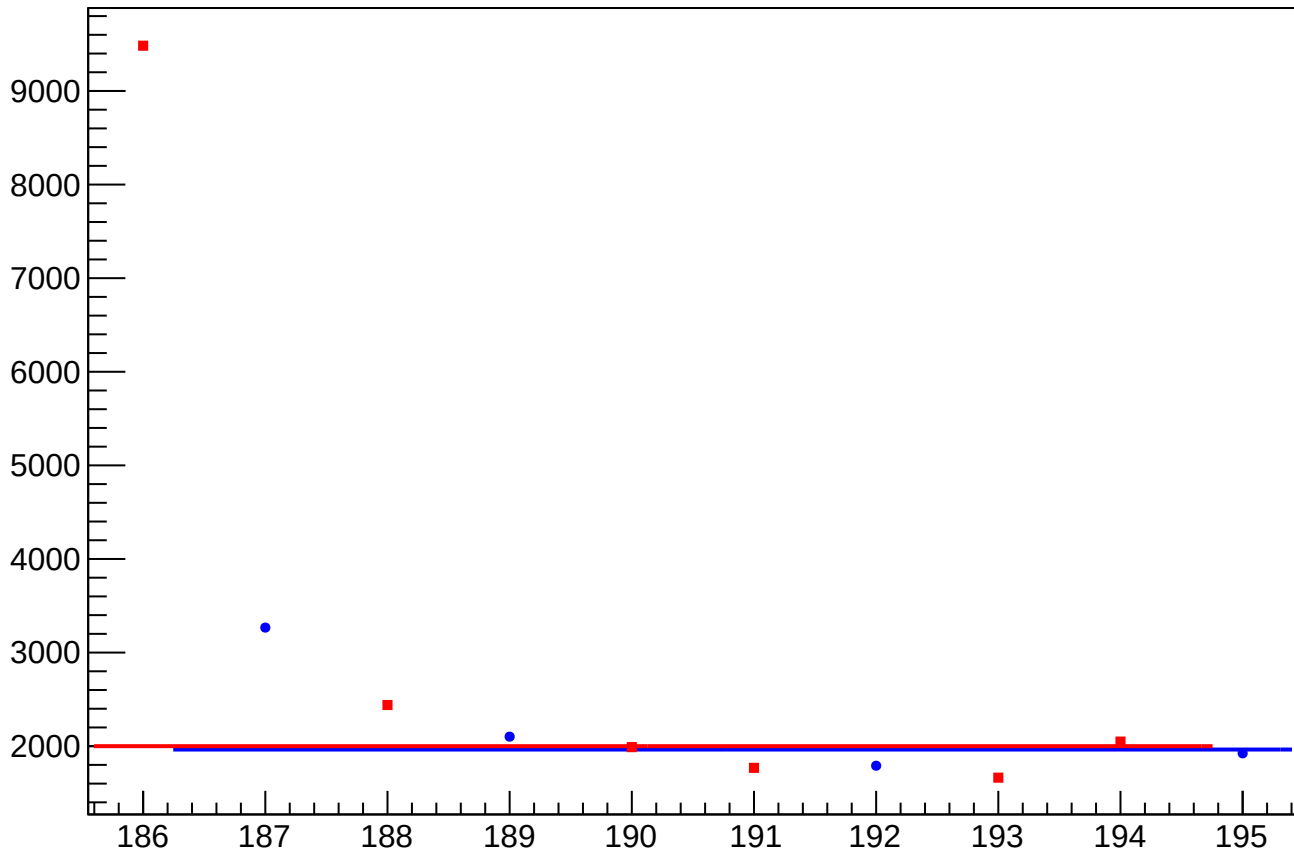
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1035.983+/-892.968  $\chi^2/\text{NDF}$ : 9.2/9

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

# asym\_sam6\_correction\_rms vs Slug



Right In: 1964.100+/-1.028  $\chi^2/\text{NDF}$ : 60462.2/3

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

Right Out: 2000.026+/-0.800  $\chi^2/\text{NDF}$ : 585927.5/5

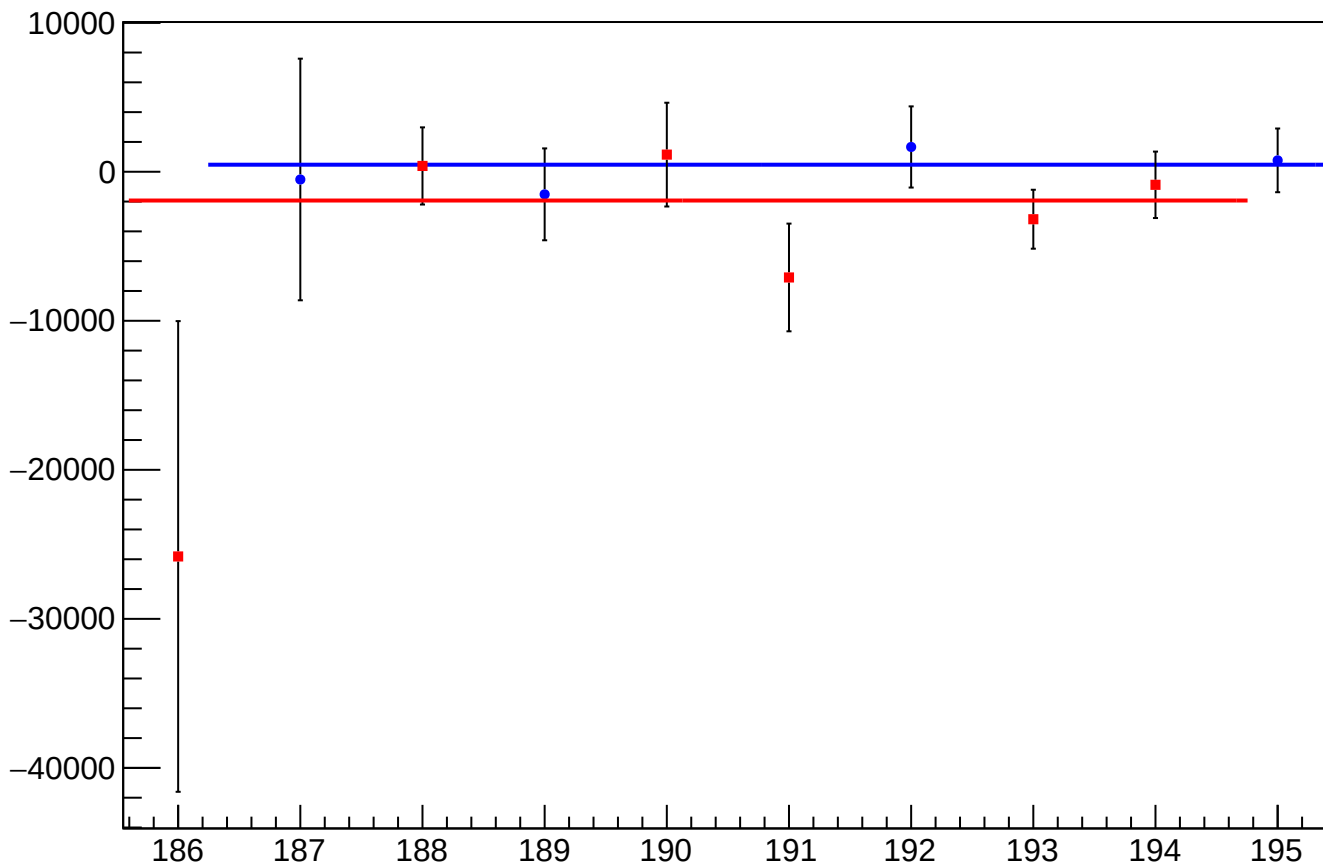
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1986.461+/-0.631  $\chi^2/\text{NDF}$ : 647150.5/9

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

# asym\_sam6\_mean vs Slug



Right In: 472.667+/-1452.275  $\chi^2/\text{NDF}$ : 0.6/3

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

Right Out: -1930.043+/-1140.213  $\chi^2/\text{NDF}$ : 6.5/5

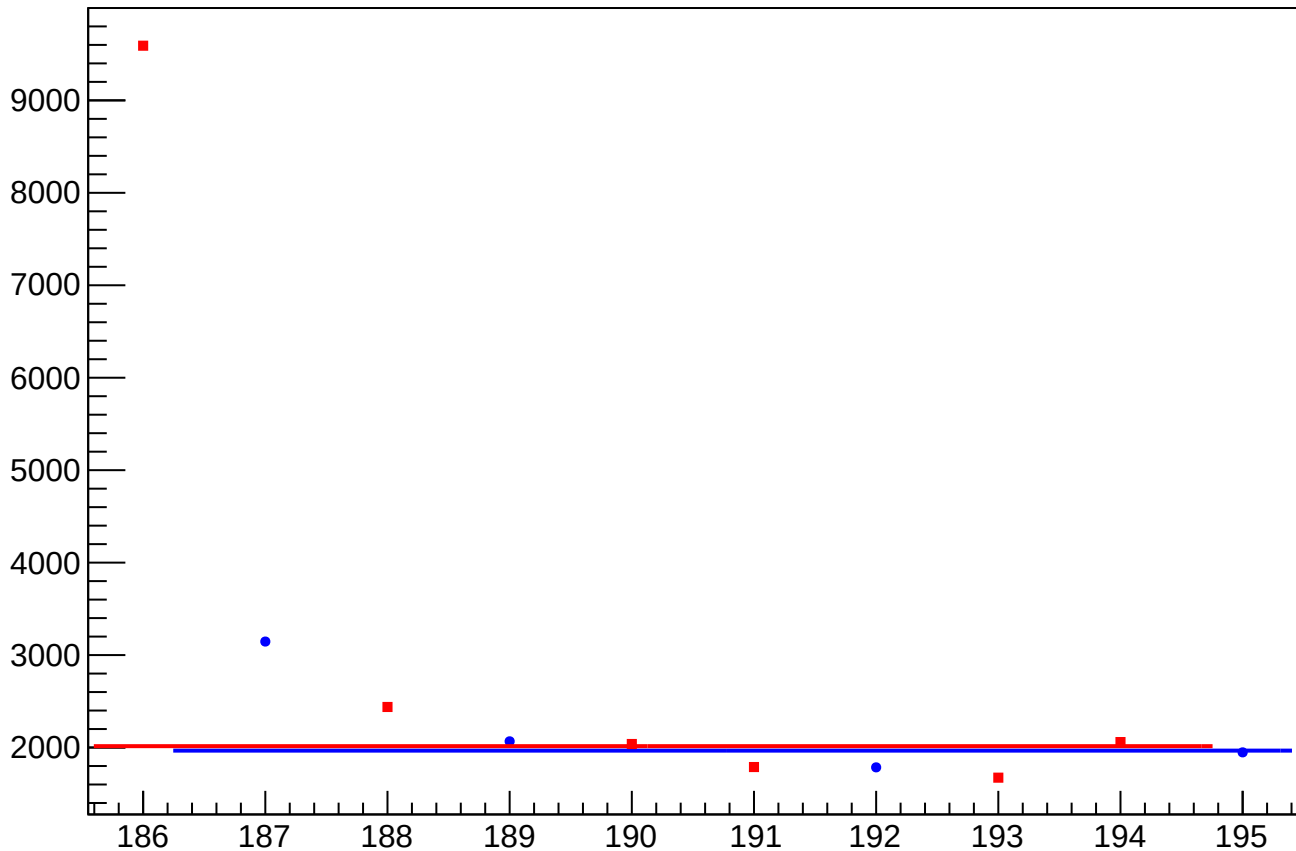
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -1013.776+/-896.828  $\chi^2/\text{NDF}$ : 8.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 2014.763 $\pm$ 0.806  $\chi^2$ /NDF: 582105.7/5

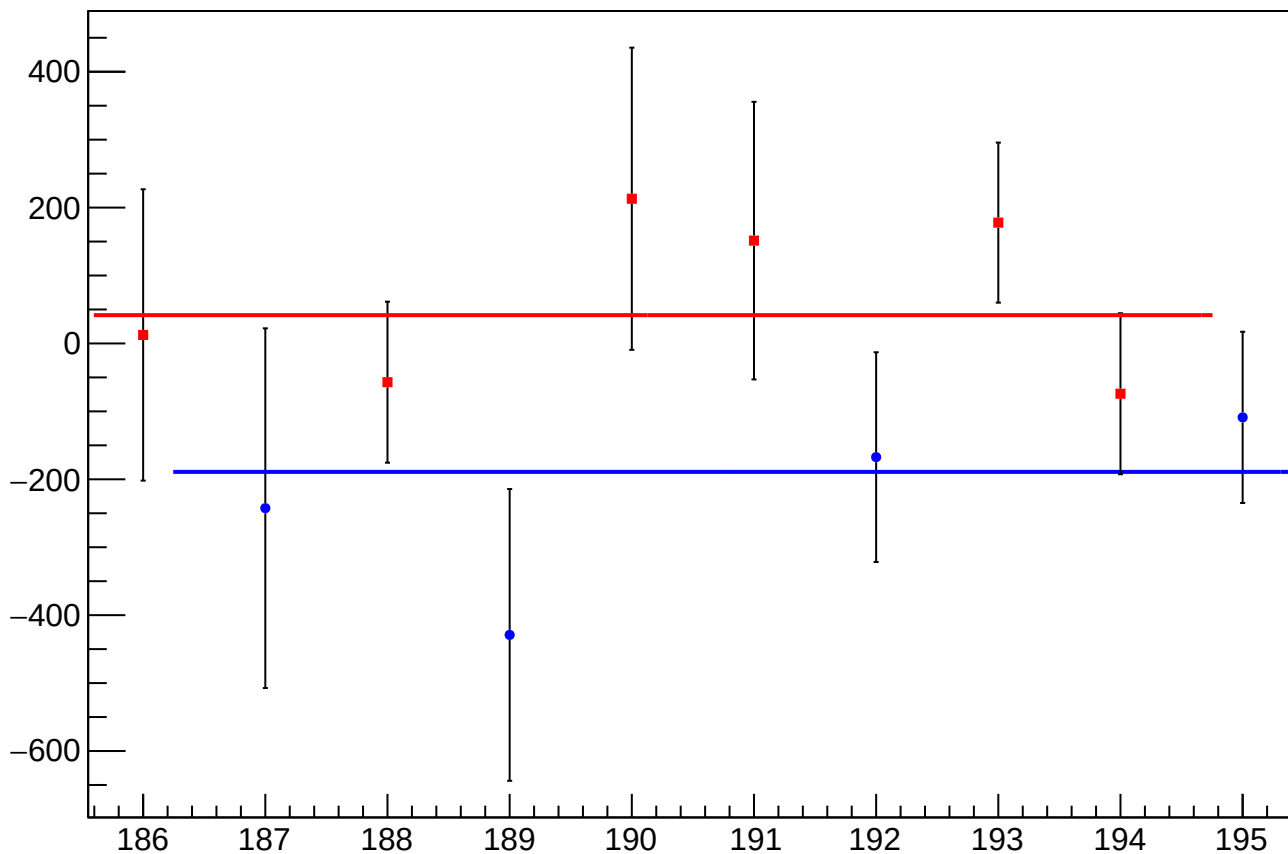
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1996.370 $\pm$ 0.634  $\chi^2$ /NDF: 636959.3/9

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

# dit\_asym\_sam7\_mean vs Slug



Right In: -189.076 $\pm$ 84.260  $\chi^2$ /NDF: 1.7/3

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

Right Out: 41.685 $\pm$ 59.727  $\chi^2$ /NDF: 3.9/5

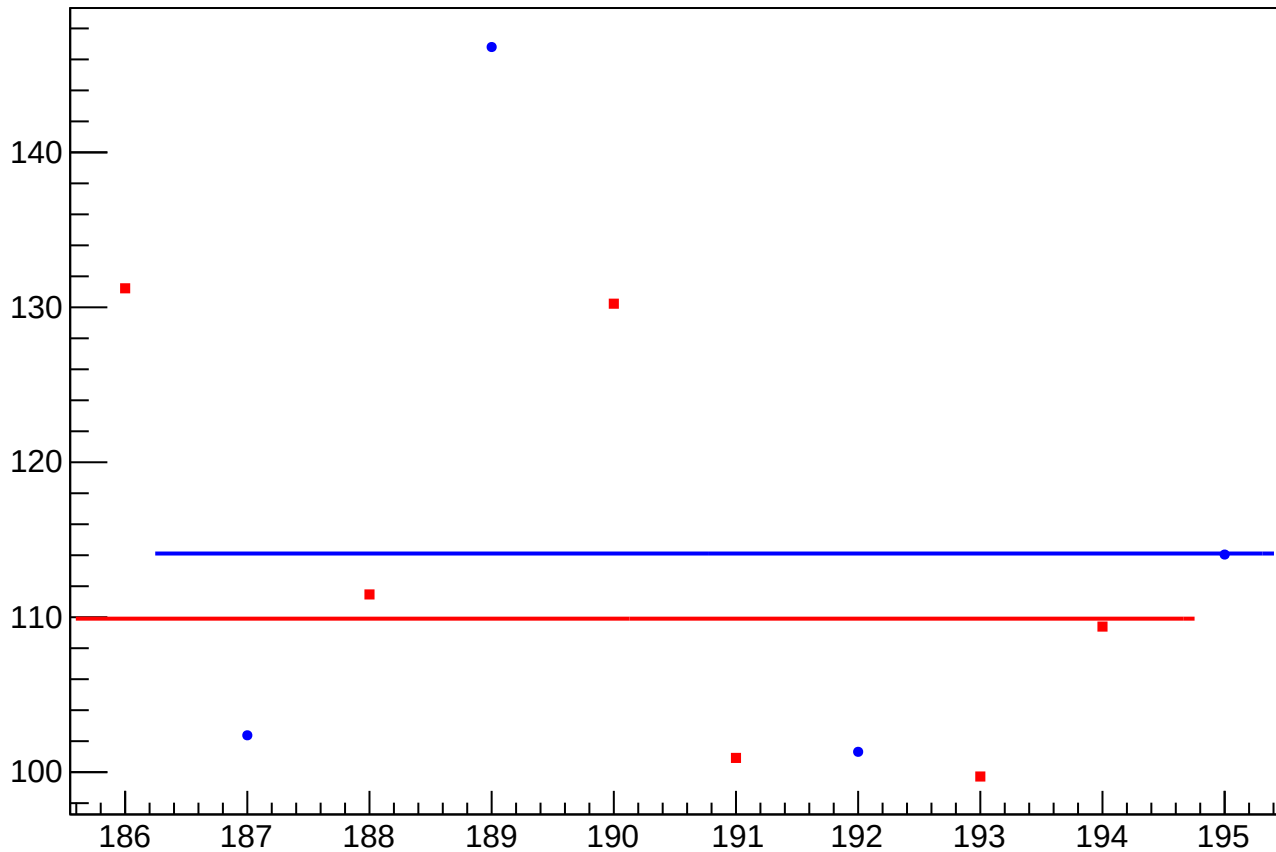
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -35.487 $\pm$ 48.727  $\chi^2$ /NDF: 10.6/9

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

# dit\_asym\_sam7\_rms vs Slug



Right In: 114.111 $\pm$ 0.060  $\chi^2$ /NDF: 63997.6/3

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

Right Out: 109.907 $\pm$ 0.042  $\chi^2$ /NDF: 55676.7/5

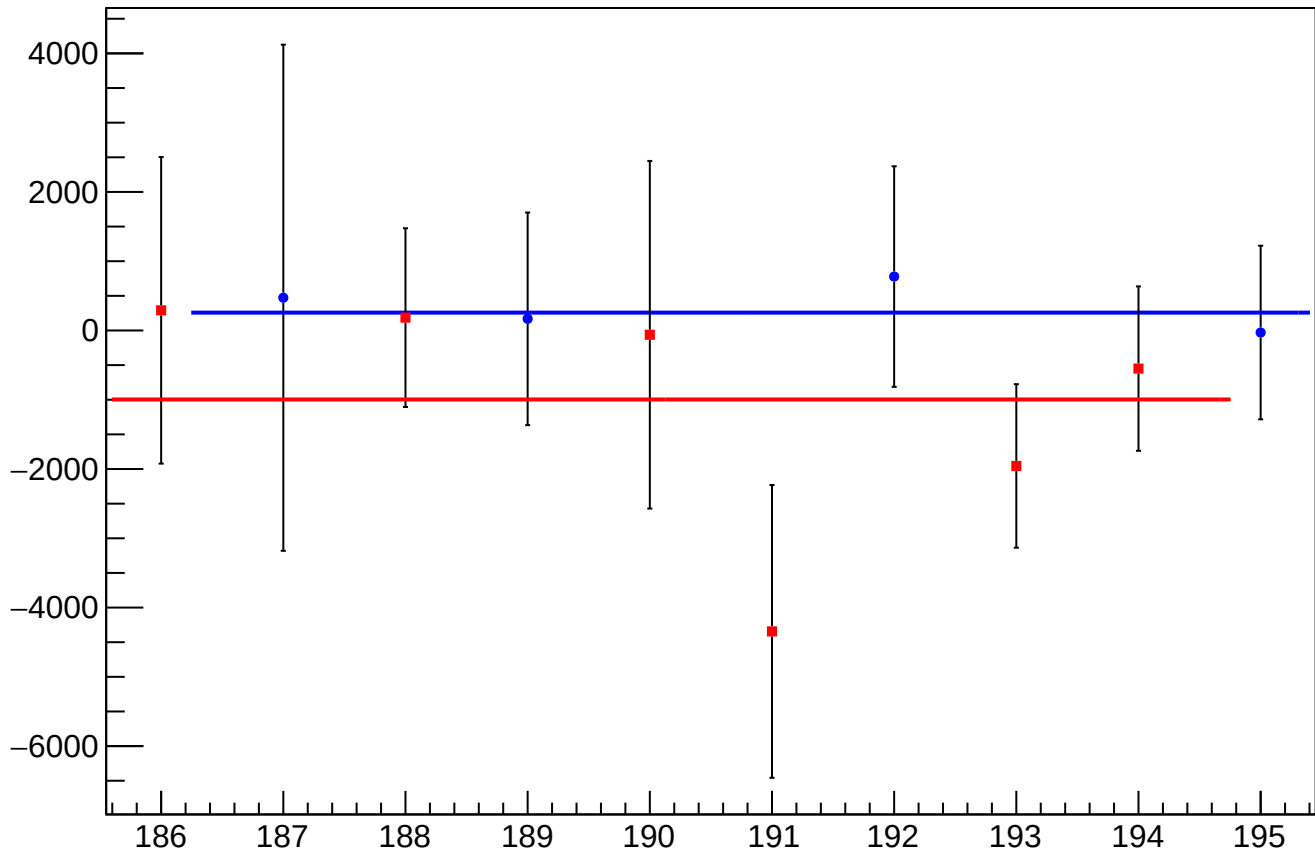
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 111.313 $\pm$ 0.034  $\chi^2$ /NDF: 122987.7/9

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

# asym\_sam7\_correction\_mean vs Slug



Right In: 257.918 $\pm$ 808.199  $\chi^2$ /NDF: 0.2/3

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

Right Out: -996.072 $\pm$ 618.306  $\chi^2$ /NDF: 4.6/5

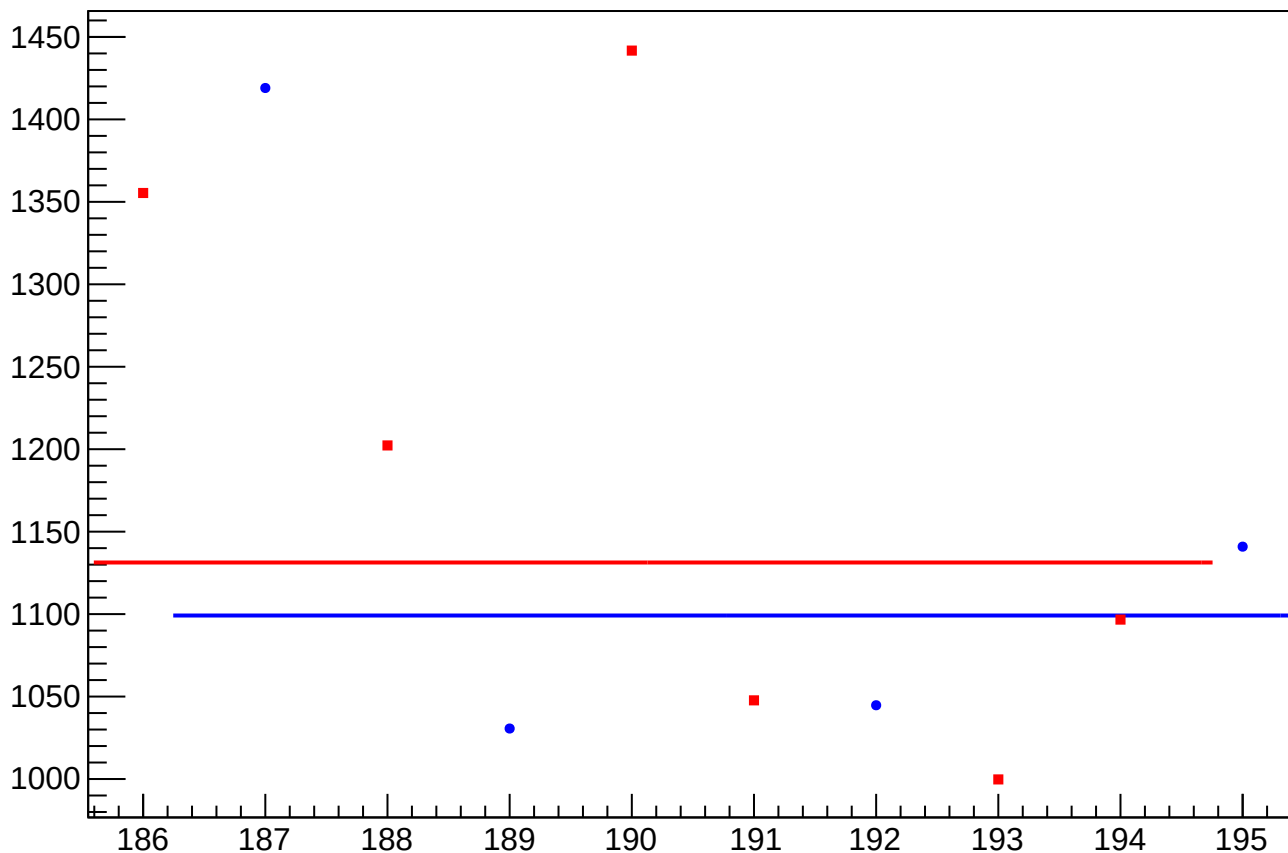
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -533.099 $\pm$ 491.077  $\chi^2$ /NDF: 6.3/9

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

# asym\_sam7\_correction\_rms vs Slug



Right In: 1099.149 $\pm$ 0.571  $\chi^2$ /NDF: 23880.3/3

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

Right Out: 1131.299 $\pm$ 0.437  $\chi^2$ /NDF: 86852.3/5

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

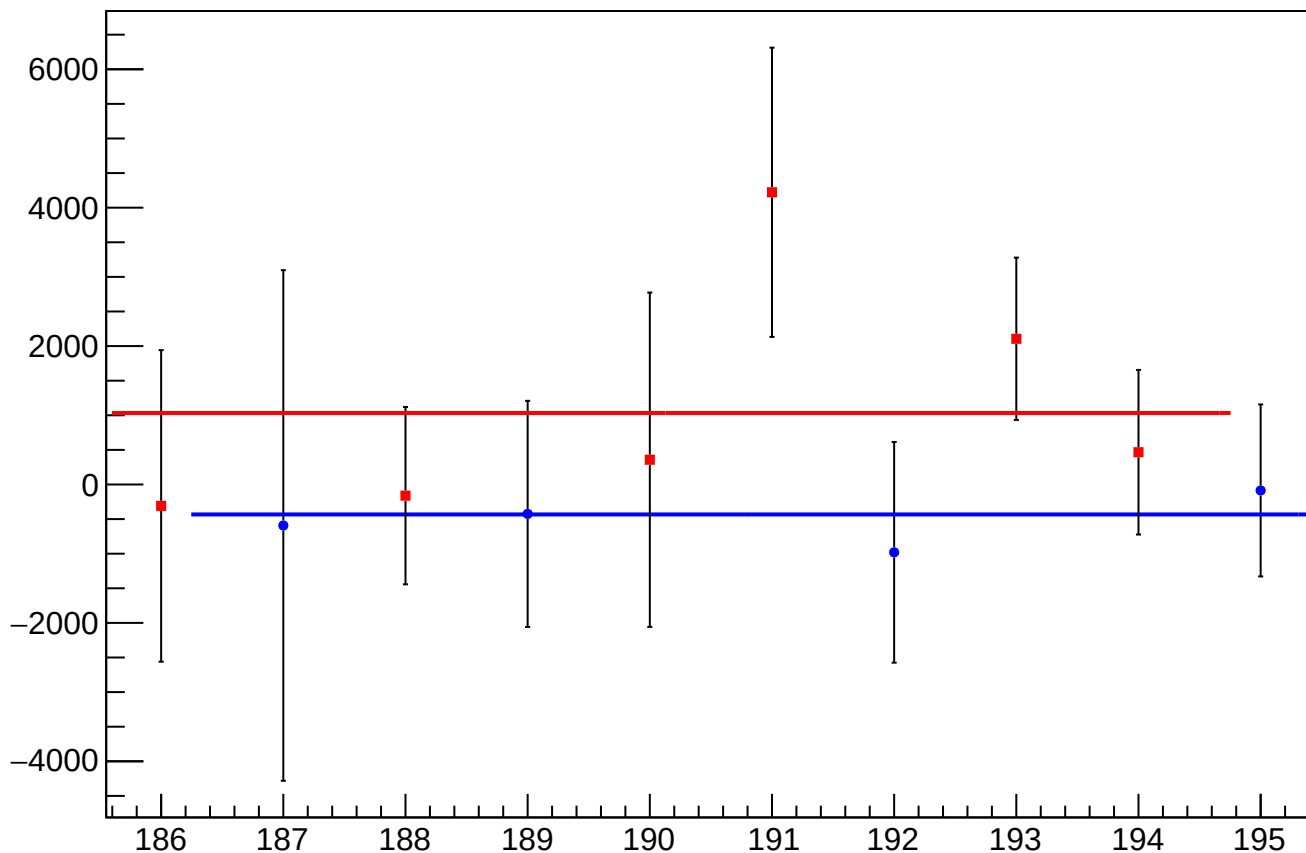
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1119.430 $\pm$ 0.347  $\chi^2$ /NDF: 112729.0/9

- 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: 1033.255+/-615.352  $\chi^2/\text{NDF}$ : 4.7/5

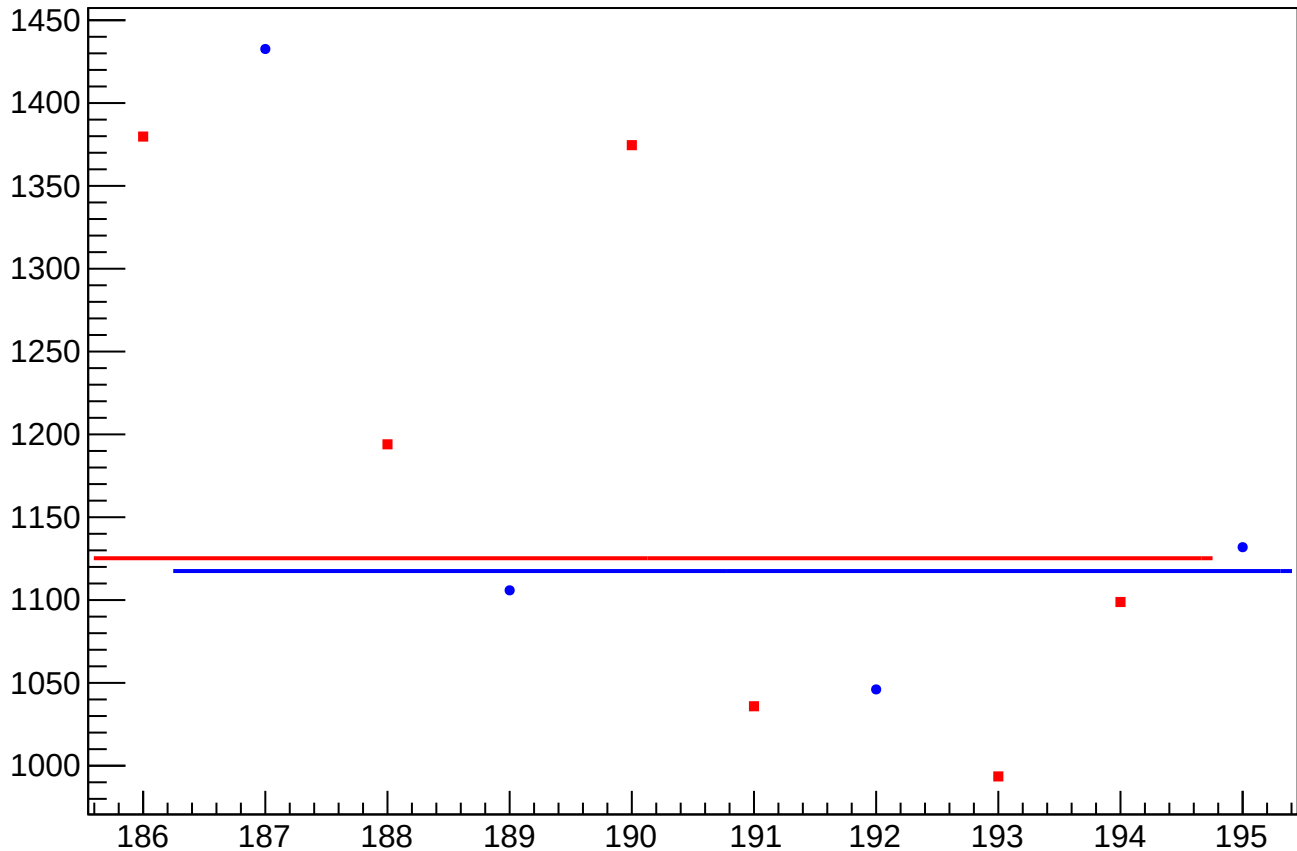
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 504.733+/-492.078  $\chi^2/\text{NDF}$ : 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: 1125.242 $\pm$ 0.435  $\chi^2$ /NDF: 82492.0/5

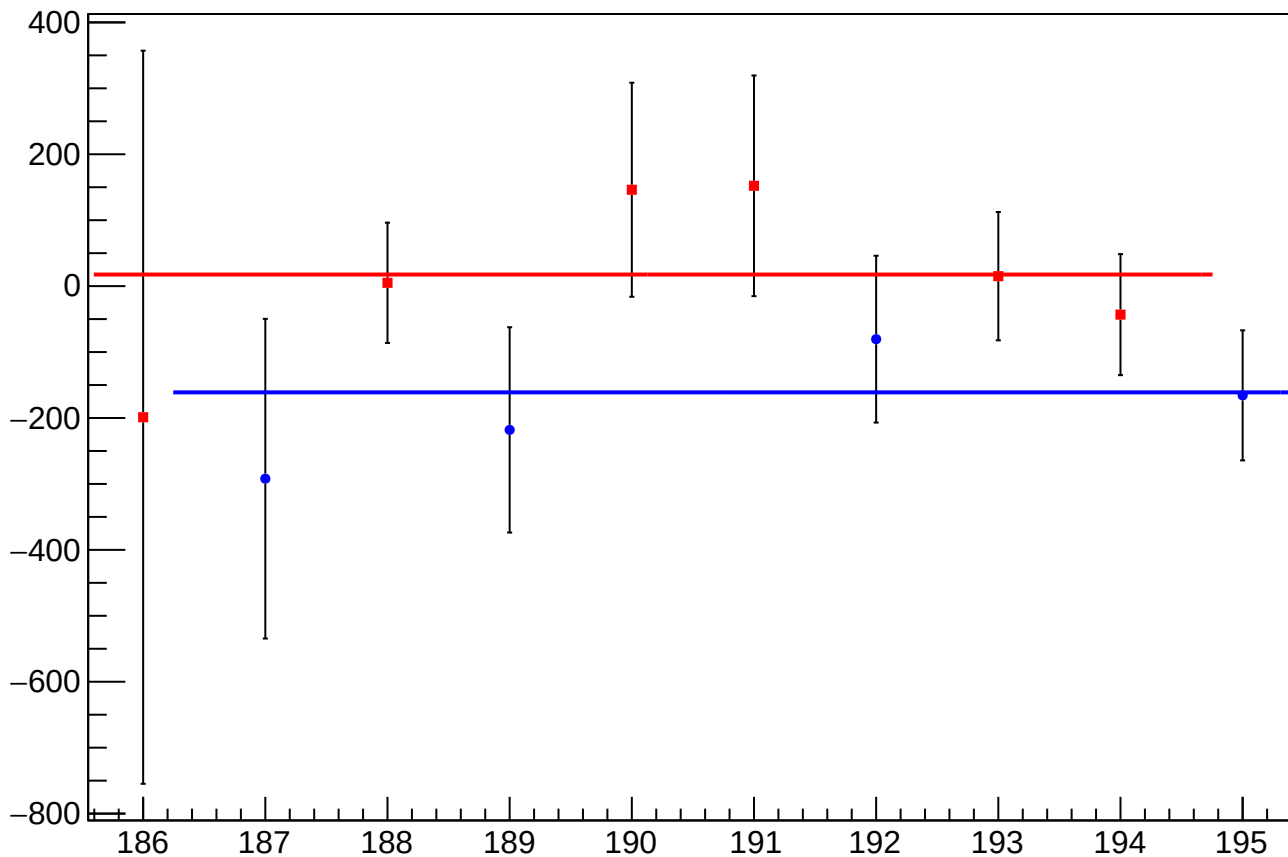
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1122.456 $\pm$ 0.348  $\chi^2$ /NDF: 101582.2/9

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

# dit\_asym\_sam8\_mean vs Slug



Right In:  $-161.133 \pm 66.893$   $\chi^2/\text{NDF}$ : 0.8/3

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

Right Out:  $17.592 \pm 48.726$   $\chi^2/\text{NDF}$ : 1.9/5

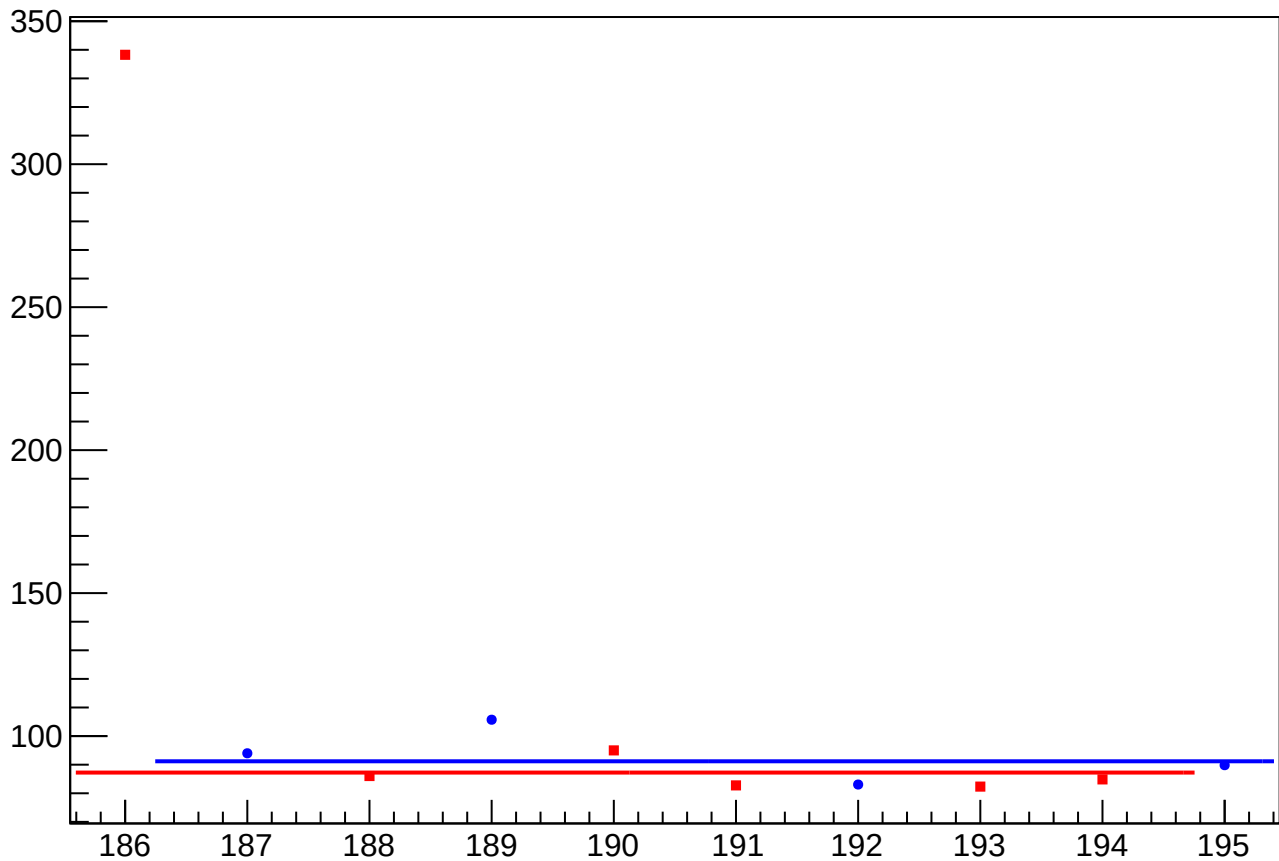
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-44.365 \pm 39.385$   $\chi^2/\text{NDF}$ : 7.4/9

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

# dit\_asym\_sam8\_rms vs Slug



Right In: 91.188 $\pm$ 0.047  $\chi^2$ /NDF: 26329.6/3

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

Right Out: 87.241 $\pm$ 0.034  $\chi^2$ /NDF: 420514.3/5

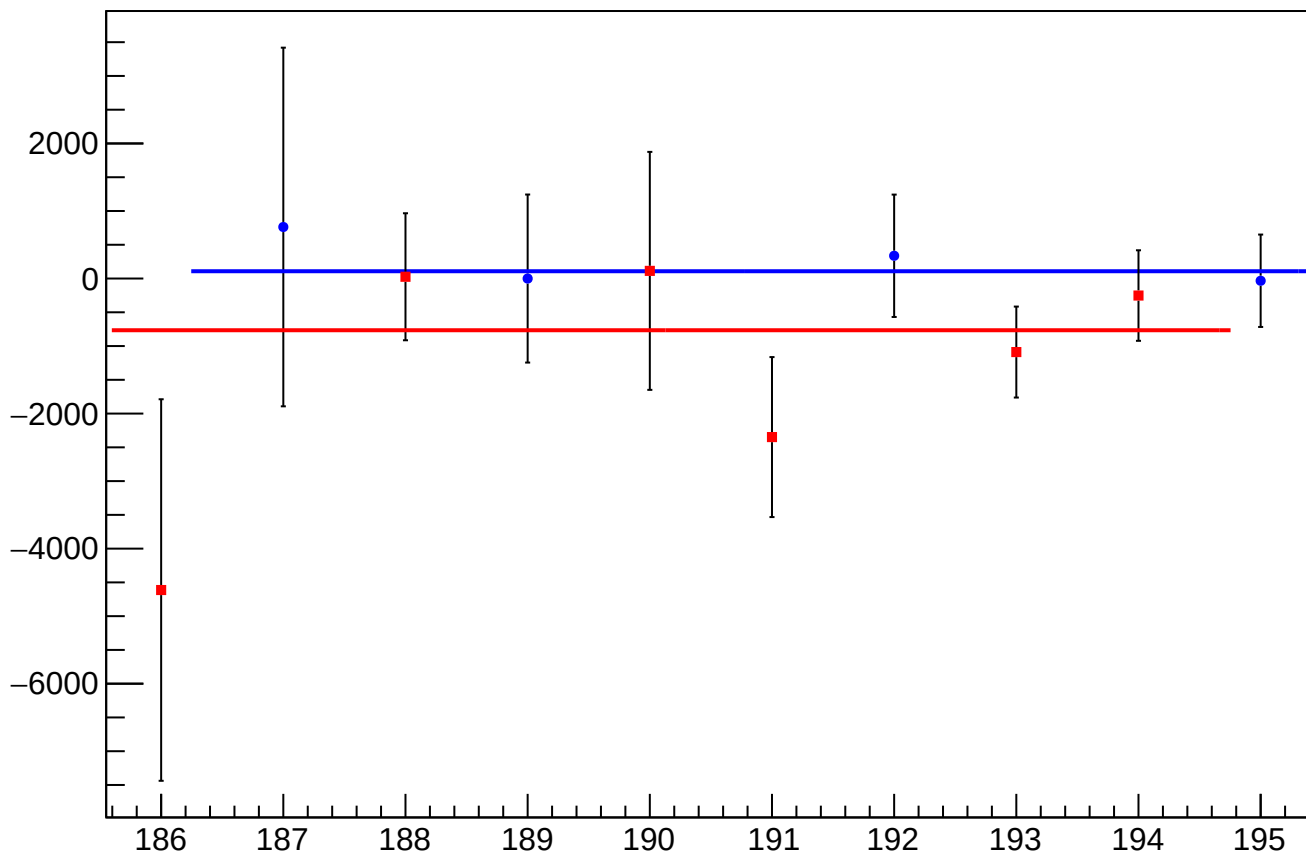
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 88.609 $\pm$ 0.028  $\chi^2$ /NDF: 451393.6/9

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

# asym\_sam8\_correction\_mean vs Slug



Right In: 107.989 $\pm$ 491.348  $\chi^2$ /NDF: 0.2/3

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

Right Out: -765.860 $\pm$ 385.775  $\chi^2$ /NDF: 5.4/5

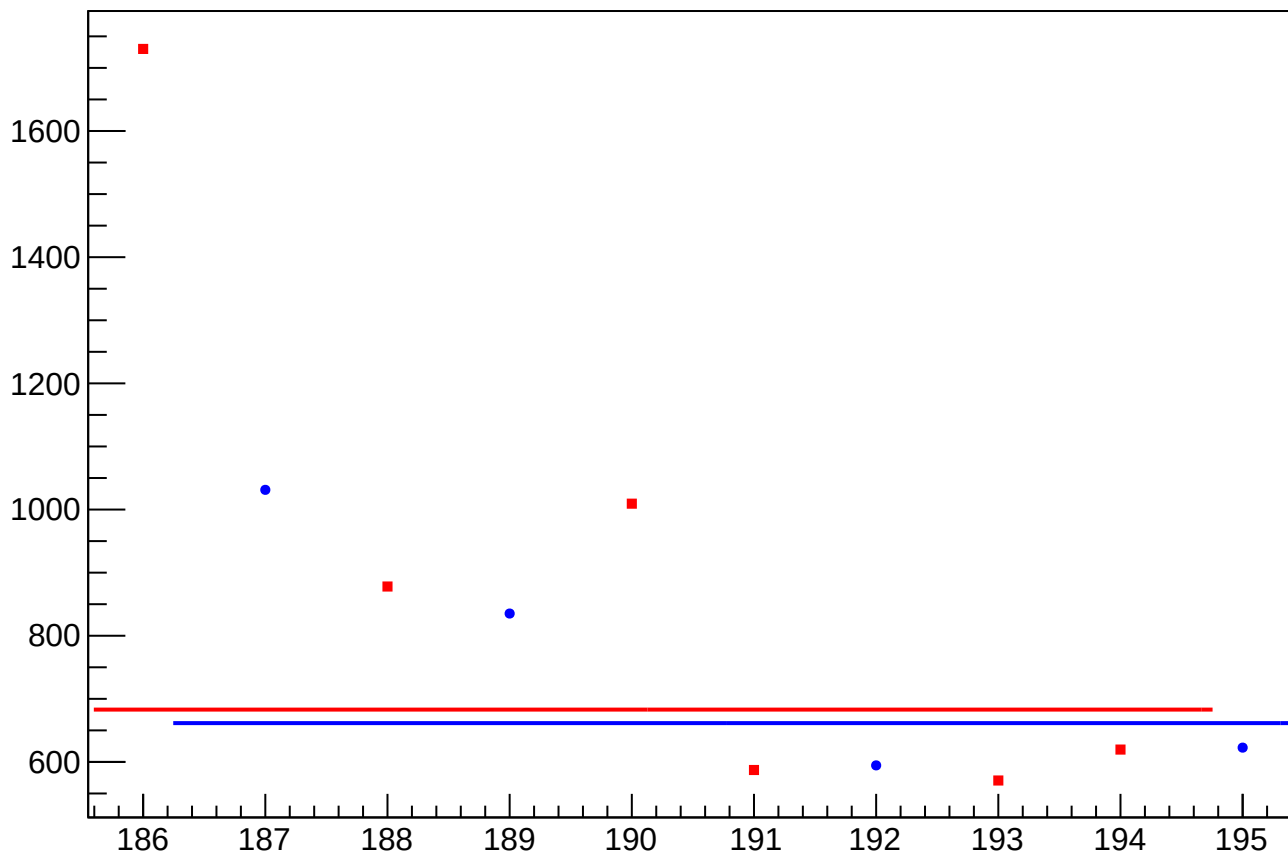
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -432.612 $\pm$ 303.427  $\chi^2$ /NDF: 7.5/9

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

# asym\_sam8\_correction\_rms vs Slug



Right In: 661.521+/-0.347  $\chi^2/\text{NDF}$ : 95110.2/3

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

Right Out: 682.948+/-0.273  $\chi^2/\text{NDF}$ : 515993.8/5

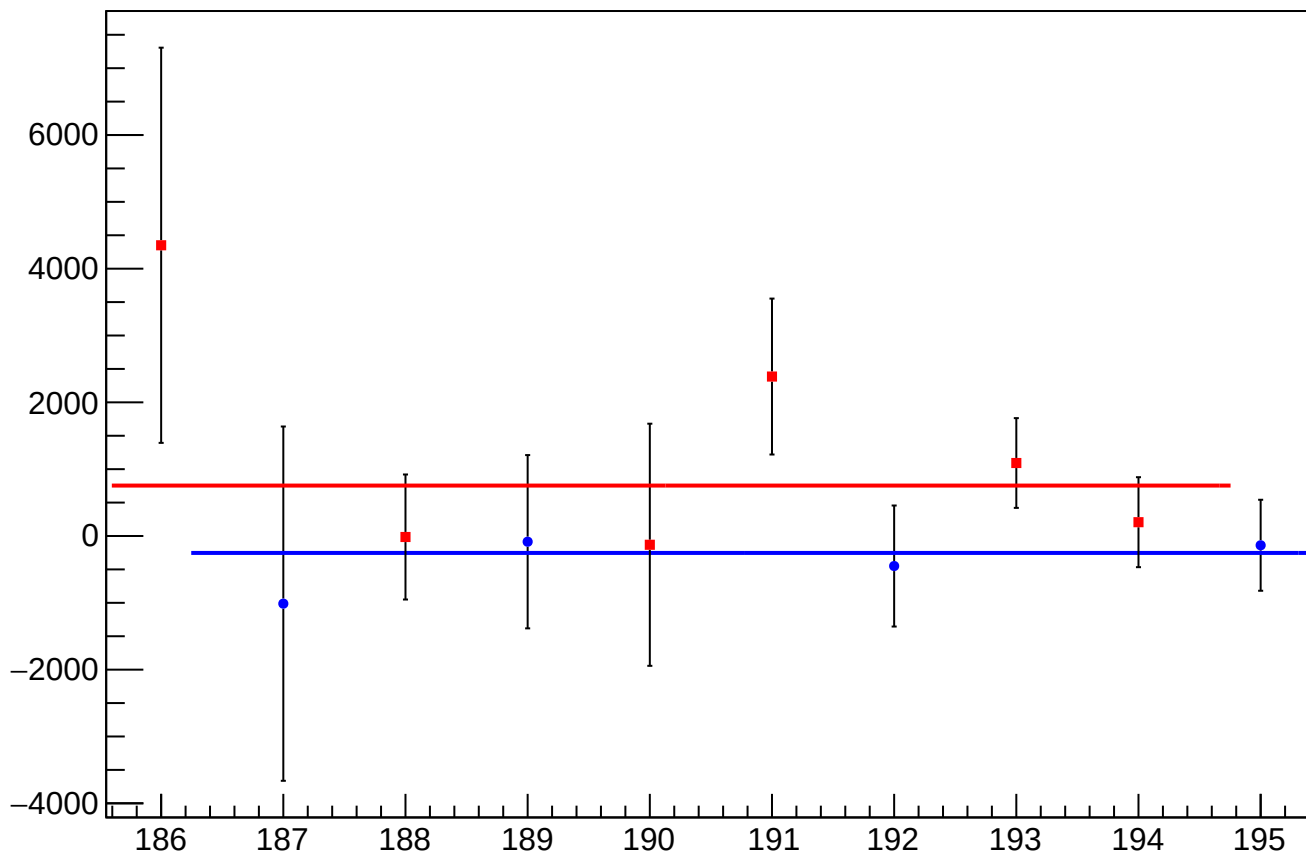
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 674.777+/-0.215  $\chi^2/\text{NDF}$ : 613457.0/9

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

# asym\_sam8\_mean vs Slug



Right In: -253.321+/-493.005  $\chi^2/\text{NDF}$ : 0.2/3

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

Right Out: 754.613+/-385.742  $\chi^2/\text{NDF}$ : 5.3/5

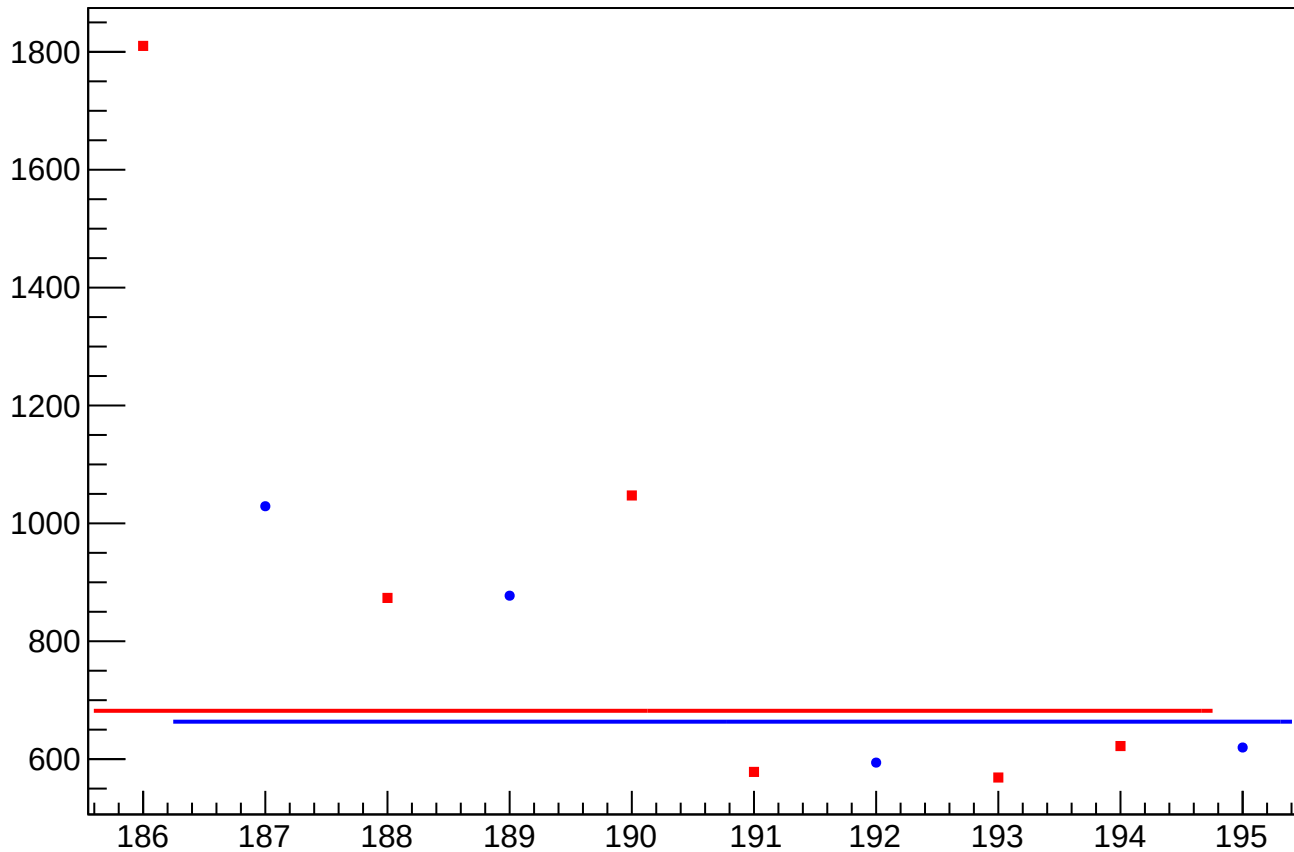
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 371.871+/-303.800  $\chi^2/\text{NDF}$ : 8.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 681.990 $\pm$ 0.273  $\chi^2$ /NDF: 544717.9/5

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

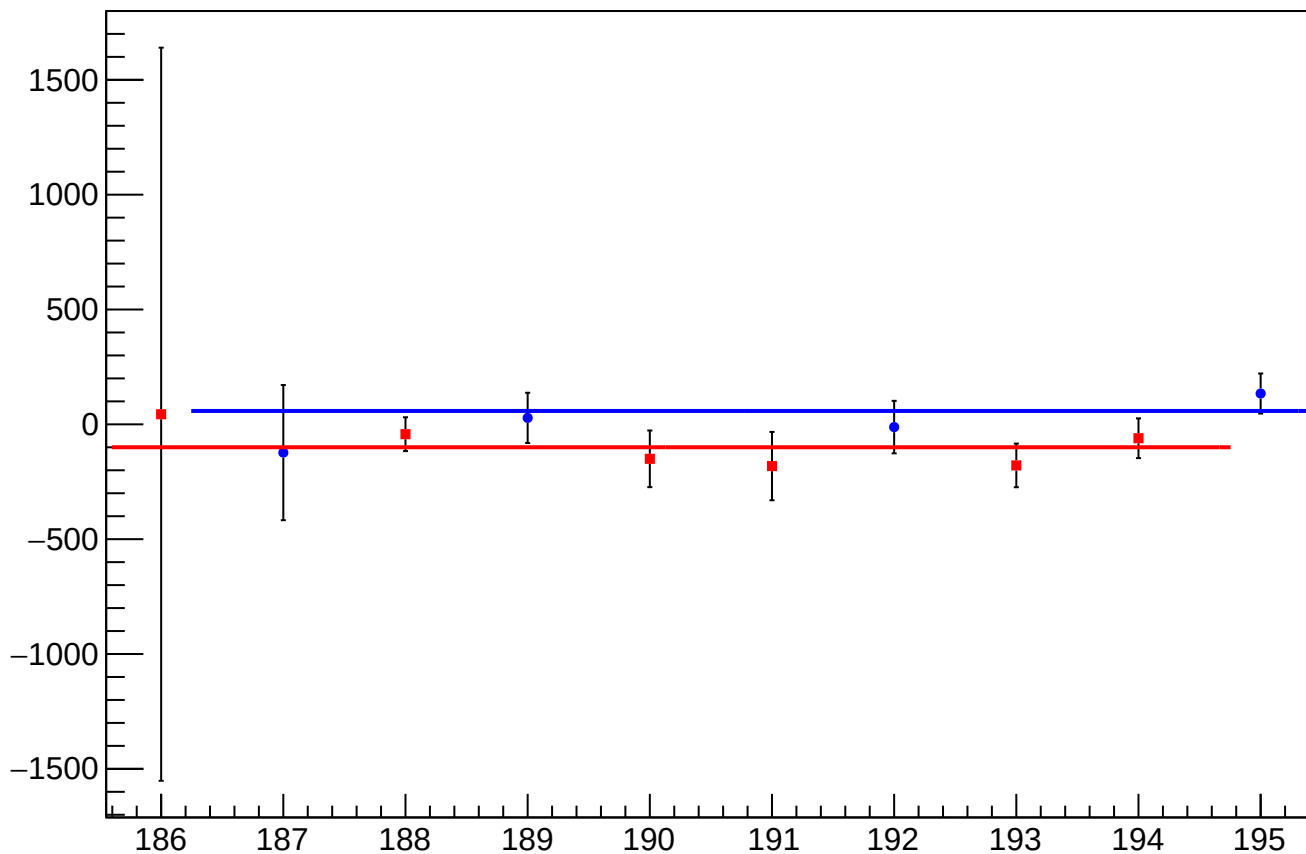
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 674.978 $\pm$ 0.215  $\chi^2$ /NDF: 658908.5/9

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



dit\_asym\_sam\_15\_avg\_mean vs Slug



Right In: 58.305+/-57.406  $\chi^2/\text{NDF}$ : 1.6/3

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

Right Out: -99.740+/-43.039  $\chi^2/\text{NDF}$ : 2.0/5

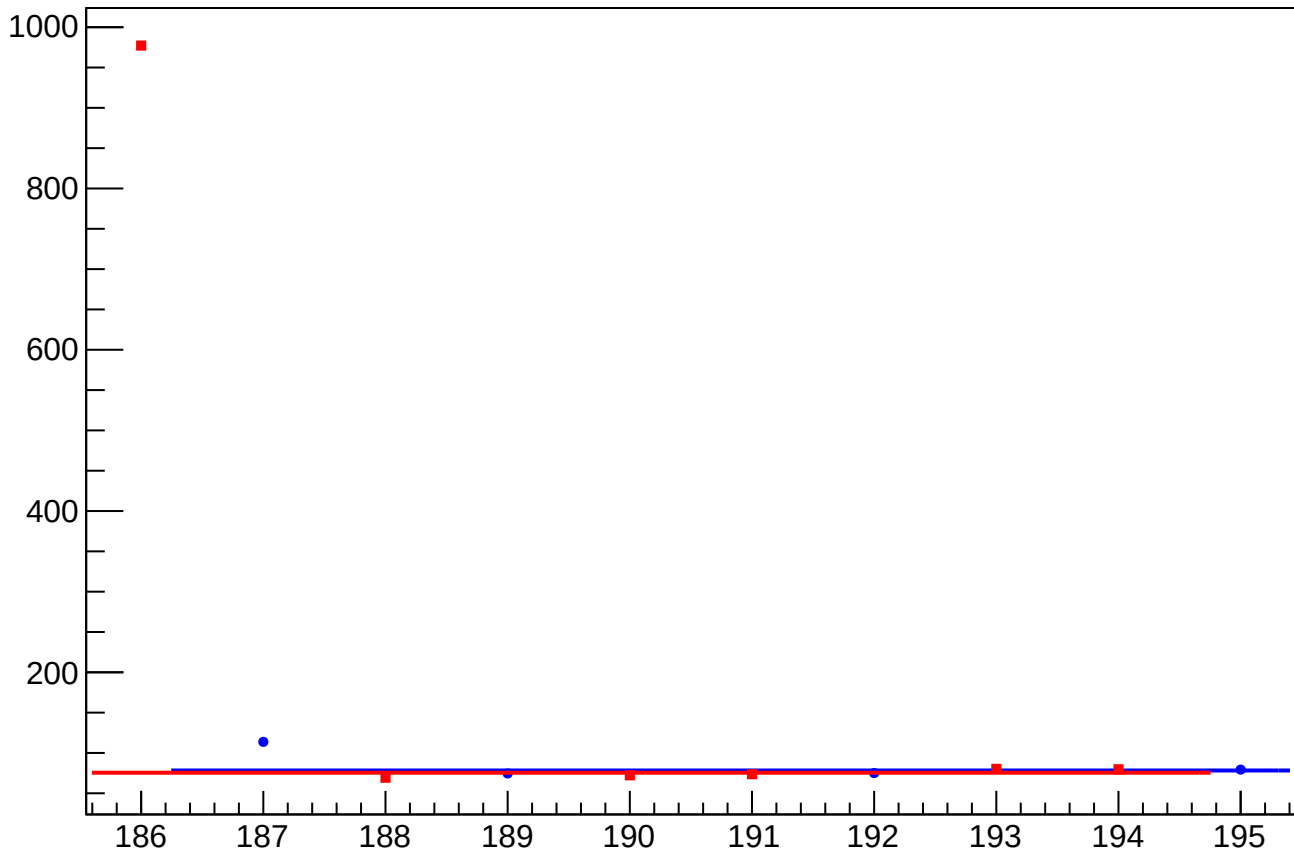
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -42.871+/-34.435  $\chi^2/\text{NDF}$ : 8.4/9

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

# dit\_asym\_sam\_15\_avg\_rms vs Slug



Right In: 78.249 $\pm$ 0.041  $\chi^2$ /NDF: 33303.0/3

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

Right Out: 75.505 $\pm$ 0.030  $\chi^2$ /NDF: 664405.3/5

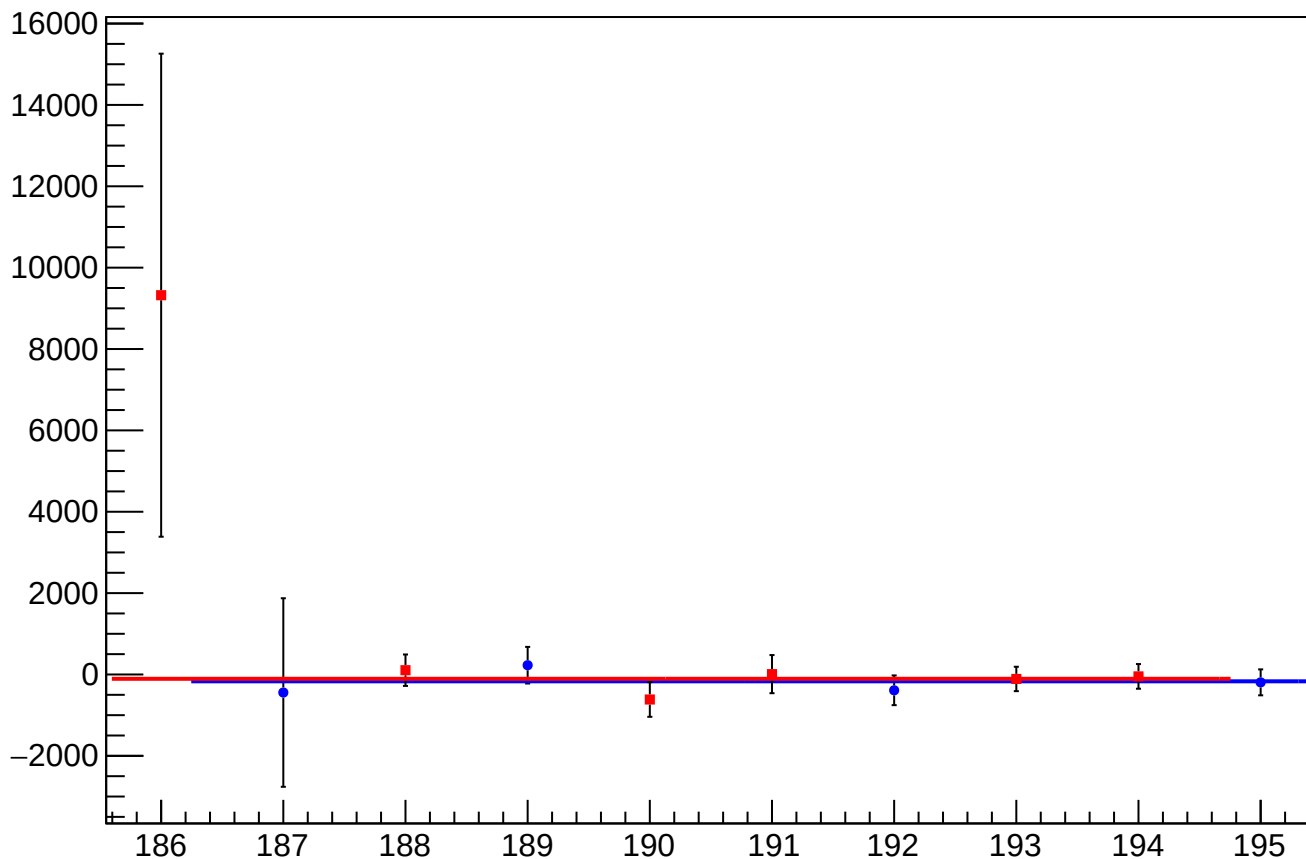
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 76.493 $\pm$ 0.024  $\chi^2$ /NDF: 700633.4/9

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

# asym\_sam\_15\_avg\_correction\_mean vs Slug



Right In: -167.798+/-211.029  $\chi^2$ /NDF: 1.2/3

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

Right Out: -106.009+/-160.586  $\chi^2$ /NDF: 4.3/5

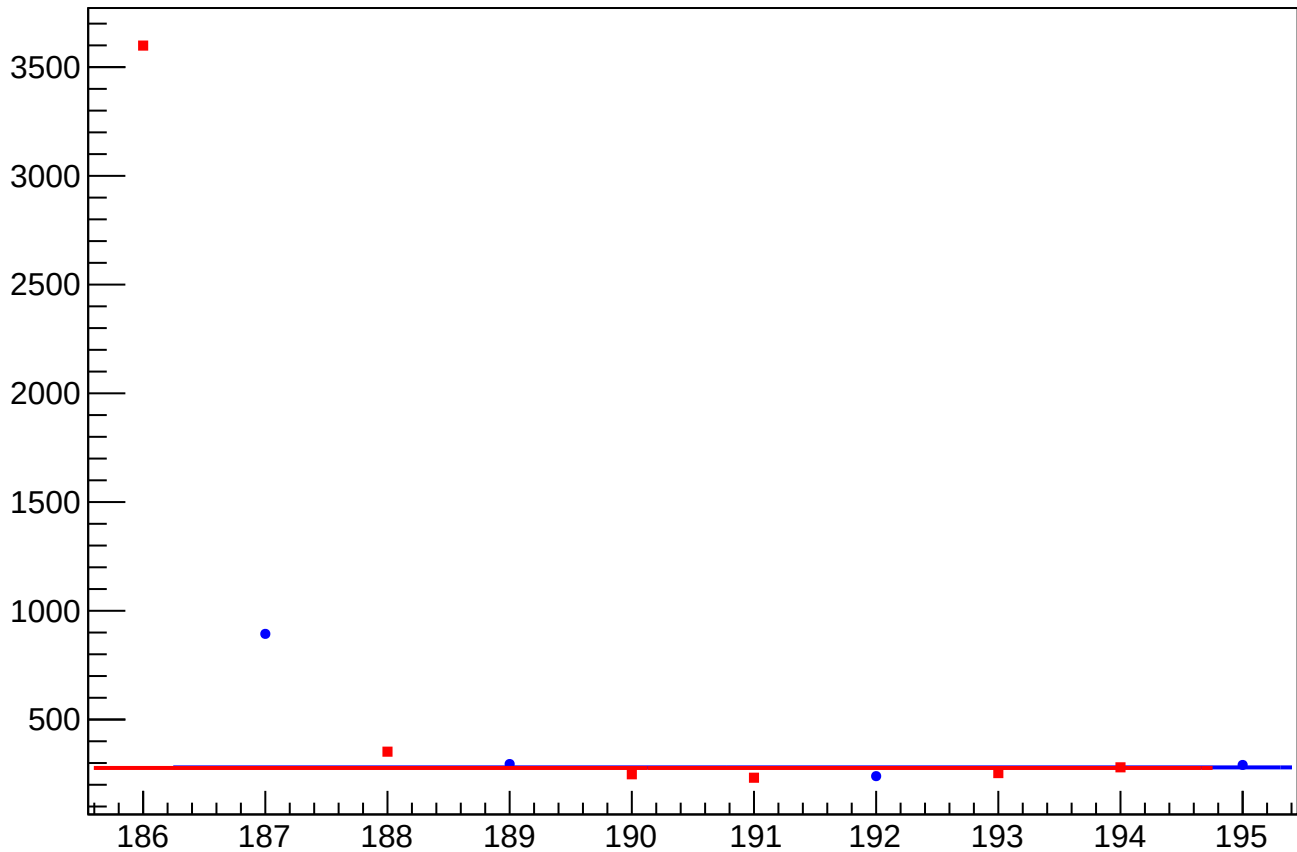
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

All: -128.668+/-127.793  $\chi^2$ /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: 279.860+/-0.149  $\chi^2/\text{NDF}$ : 169493.9/3

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

Right Out: 277.272+/-0.114  $\chi^2/\text{NDF}$ : 741600.0/5

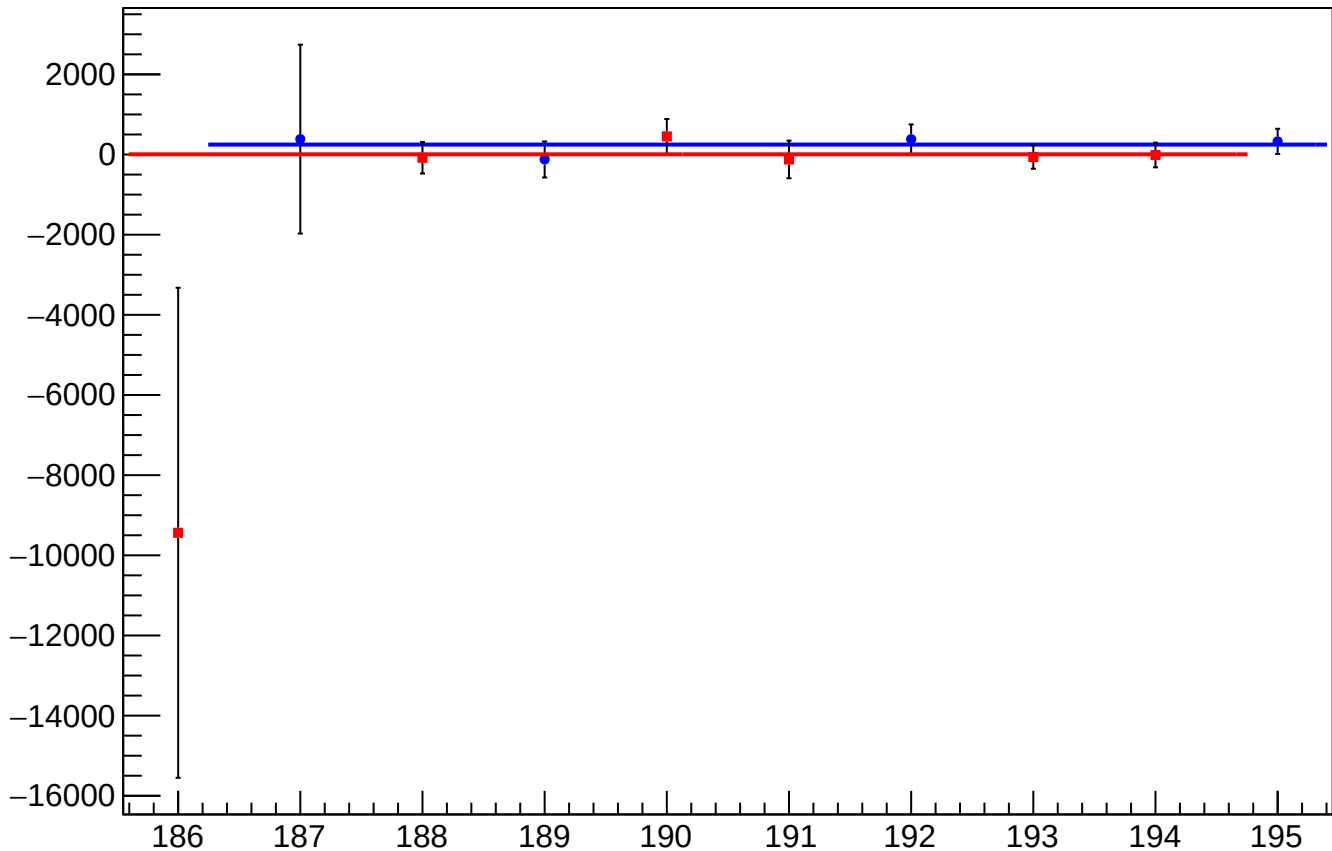
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 278.221+/-0.090  $\chi^2/\text{NDF}$ : 911284.4/9

- 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: 5.835 $\pm$ 161.057  $\chi^2$ /NDF: 3.6/5

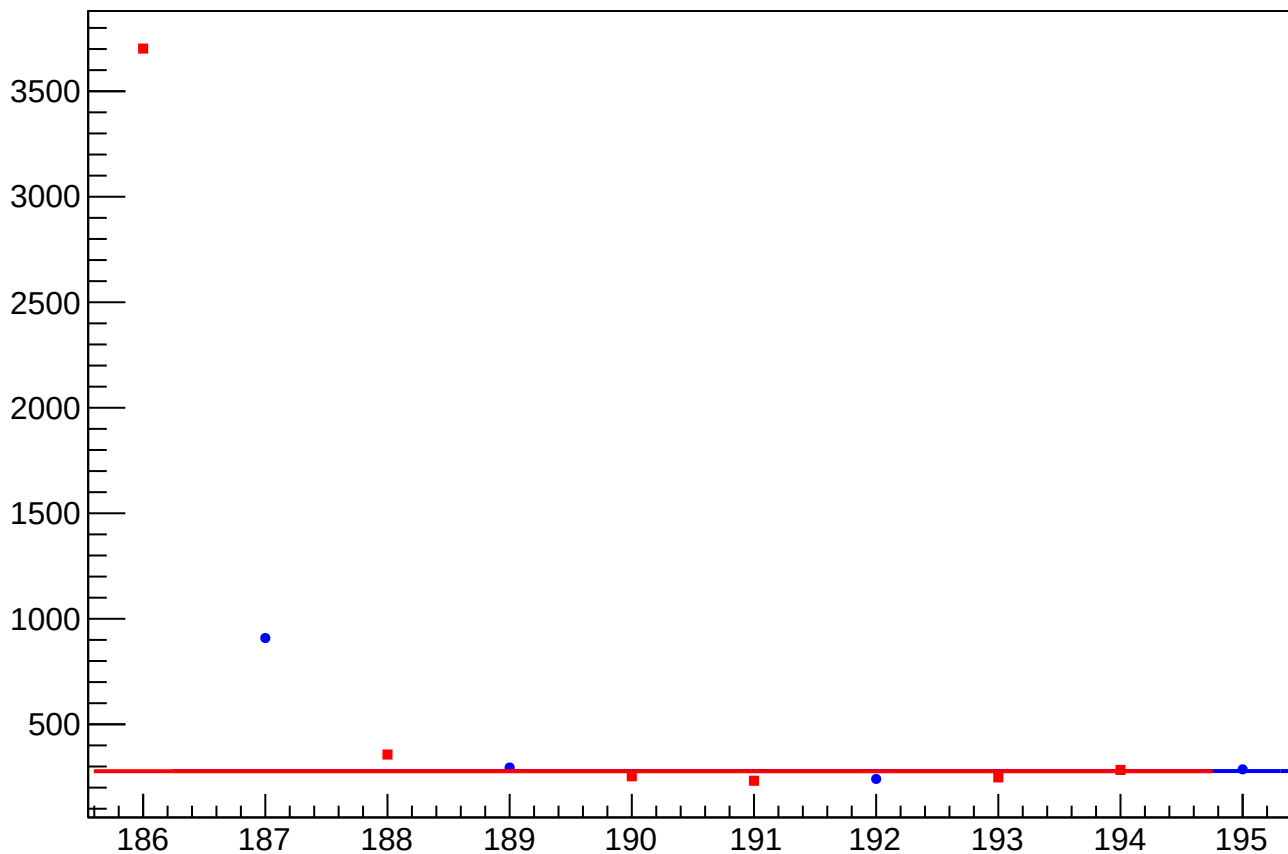
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 95.606 $\pm$ 127.822  $\chi^2$ /NDF: 5.3/9

- 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: 277.767 $\pm$ 0.114  $\chi^2$ /NDF: 754229.5/5

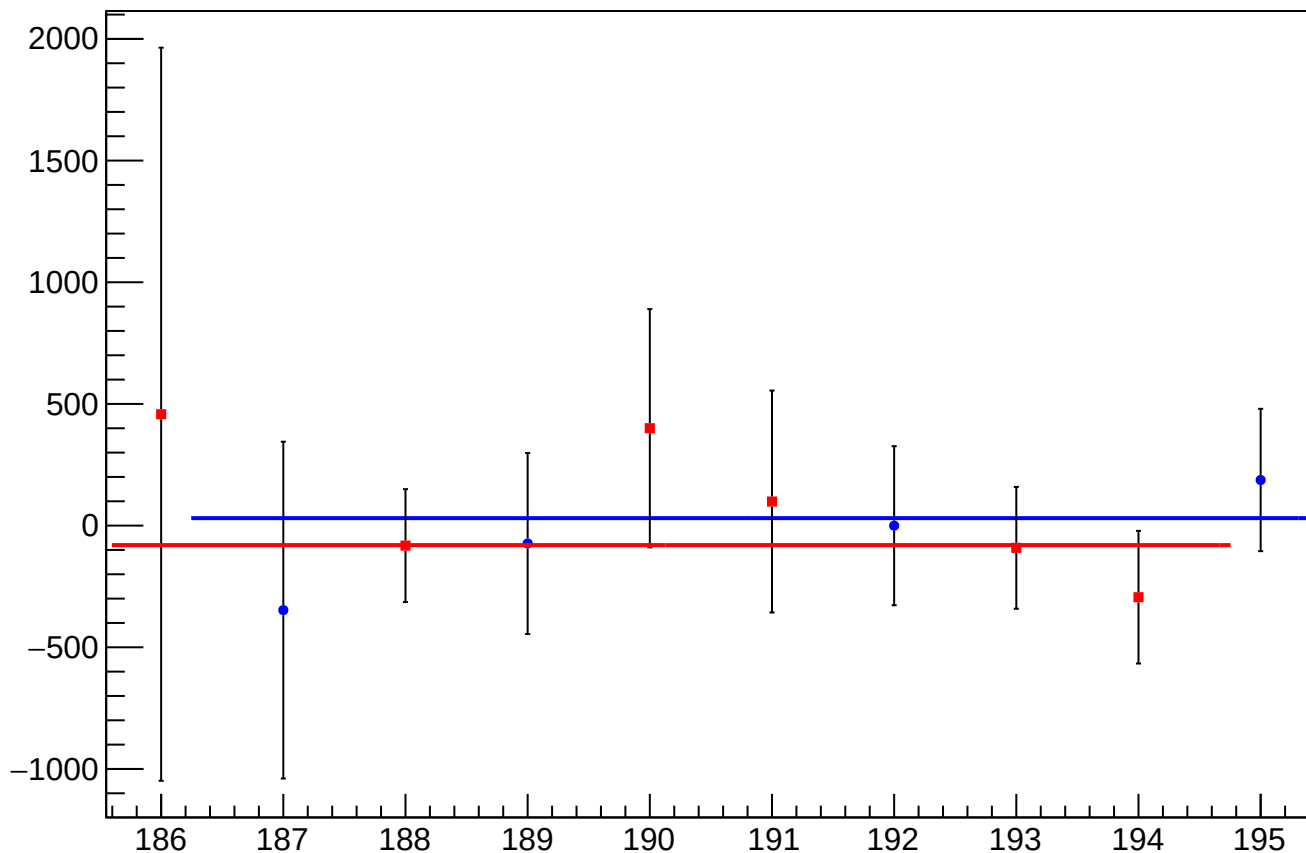
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 278.052 $\pm$ 0.090  $\chi^2$ /NDF: 922015.1/9

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

dit\_asym\_sam\_26\_avg\_mean vs Slug



Right In: 30.711 $\pm$ 181.447  $\chi^2$ /NDF: 0.7/3

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

Right Out: -80.058 $\pm$ 131.955  $\chi^2$ /NDF: 1.9/5

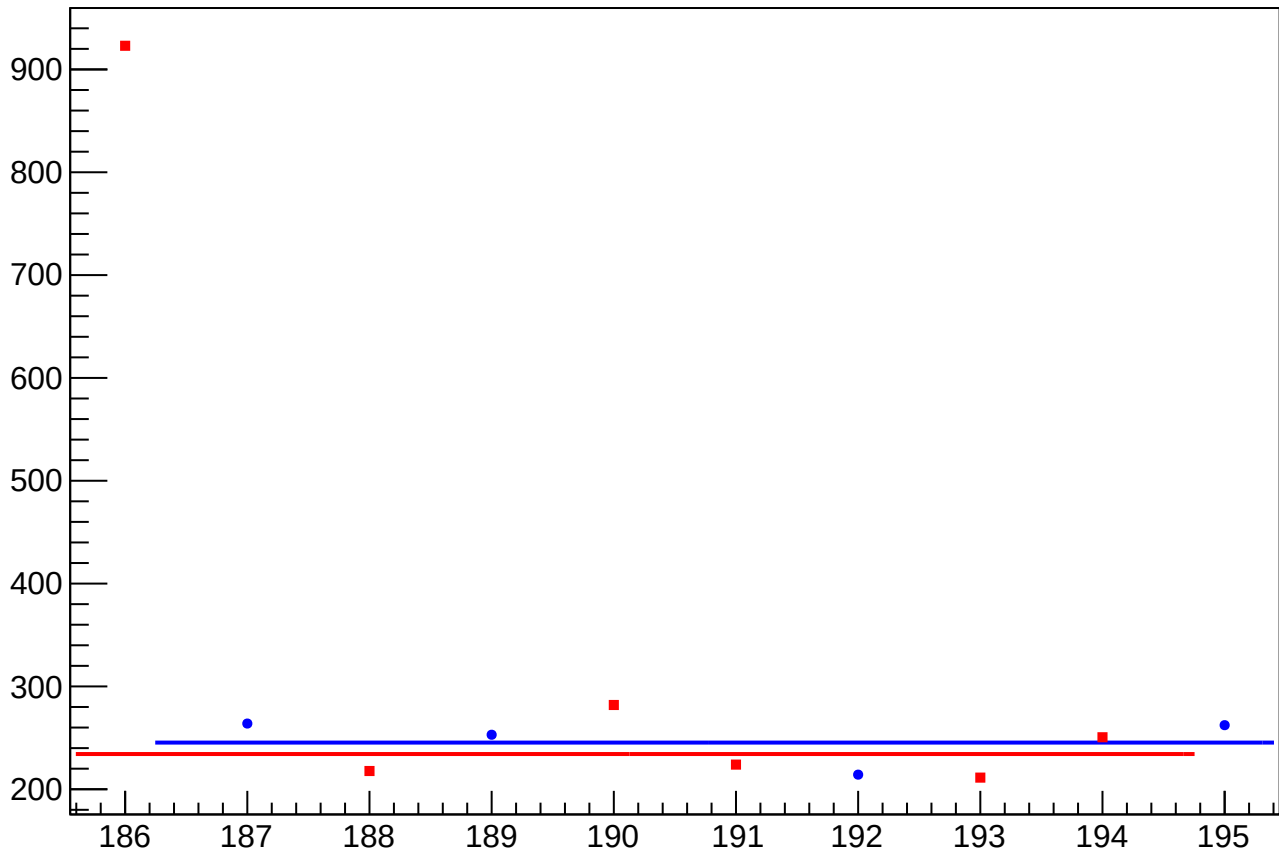
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -41.741 $\pm$ 106.718  $\chi^2$ /NDF: 2.8/9

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

# dit\_asym\_sam\_26\_avg\_rms vs Slug



Right In: 245.383 $\pm$ 0.128  $\chi^2$ /NDF: 27177.1/3

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

Right Out: 234.250 $\pm$ 0.093  $\chi^2$ /NDF: 472242.1/5

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

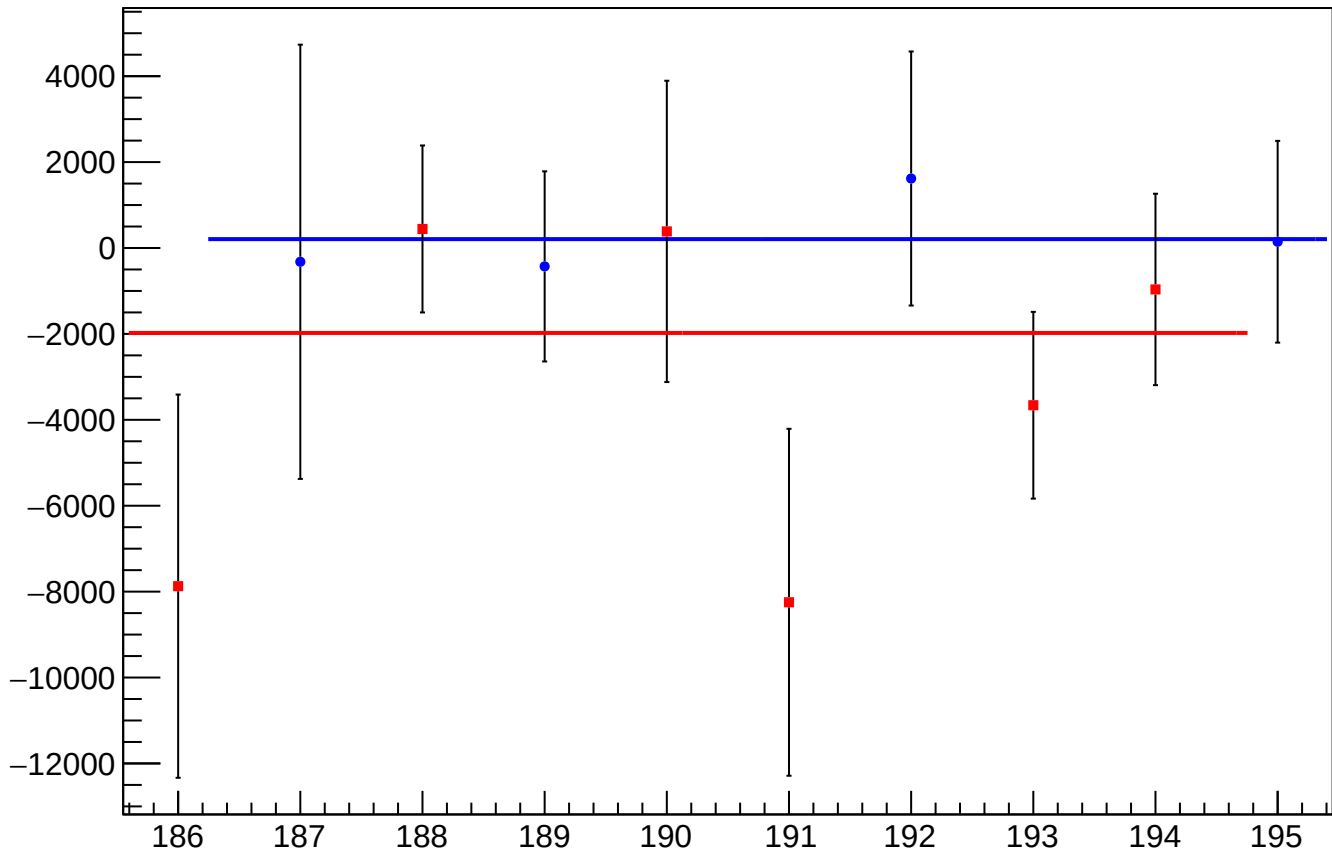
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 238.101 $\pm$ 0.075  $\chi^2$ /NDF: 504344.0/9

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



# asym\_sam\_26\_avg\_correction\_mean vs Slug



Right In:  $206.527 \pm 1362.144$   $\chi^2/\text{NDF}$ : 0.3/3

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

Right Out:  $-1977.637 \pm 1071.719$   $\chi^2/\text{NDF}$ : 7.0/5

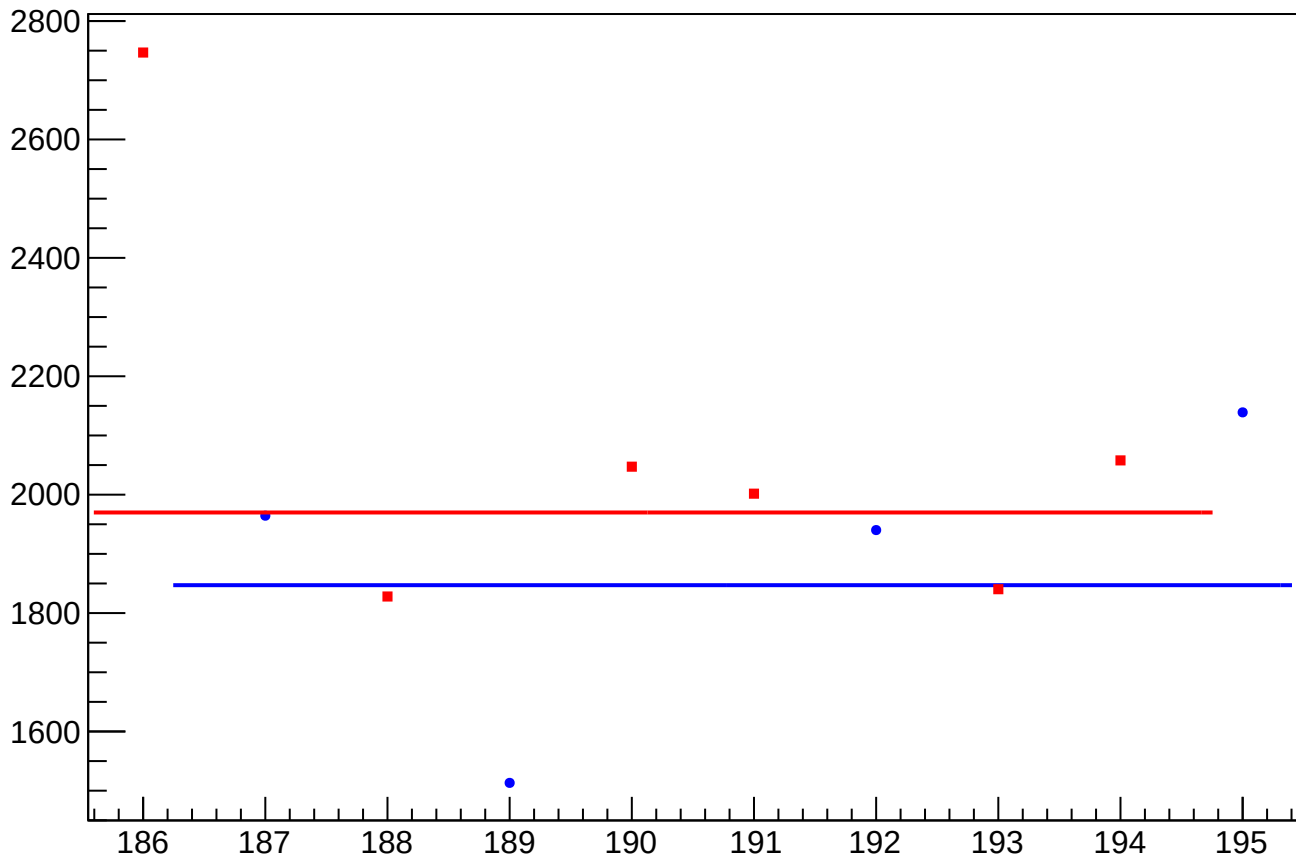
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-1142.525 \pm 842.273$   $\chi^2/\text{NDF}$ : 8.9/9

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

# asym\_sam\_26\_avg\_correction\_rms vs Slug



Right In: 1847.121+/-0.963  $\chi^2/\text{NDF}$ : 79491.2/3

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

Right Out: 1969.914+/-0.758  $\chi^2/\text{NDF}$ : 82645.7/5

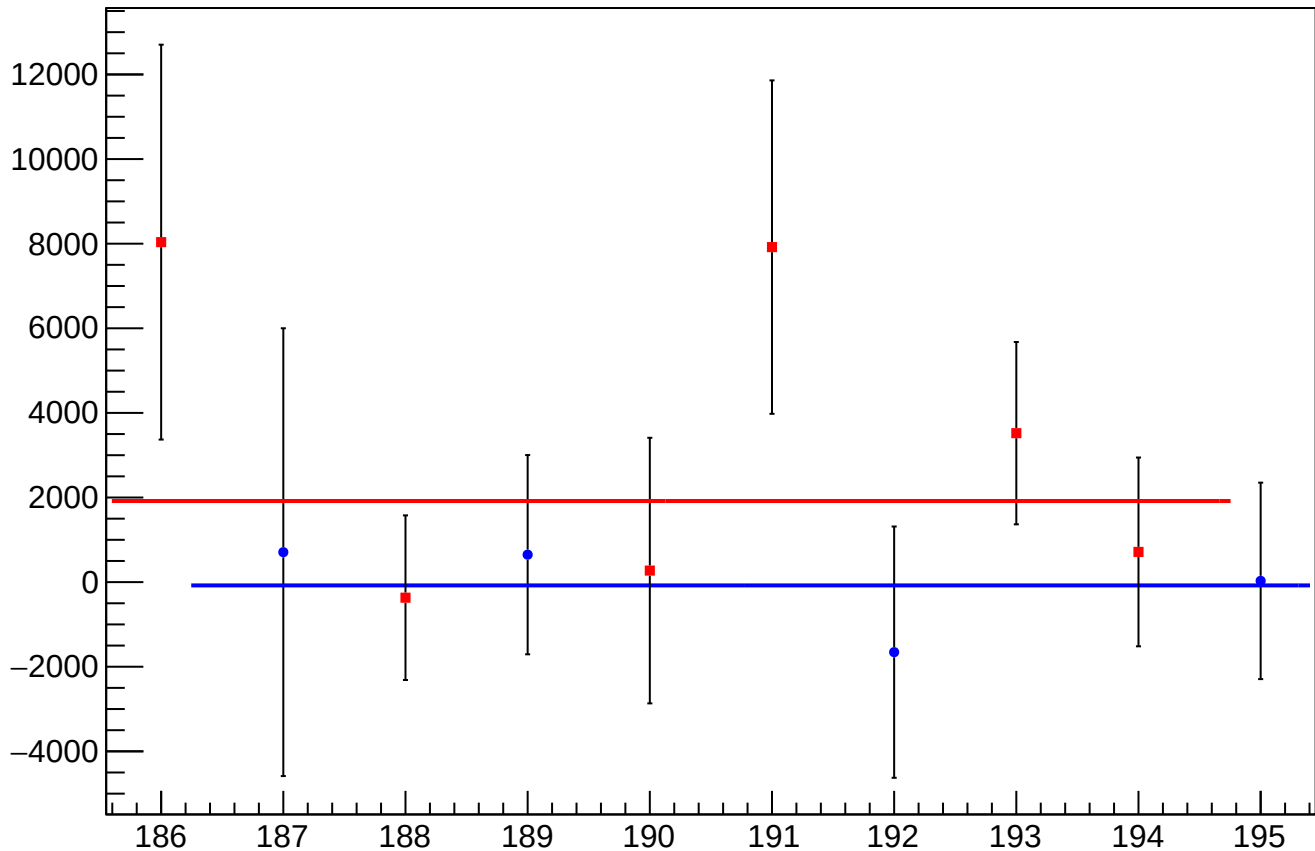
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1922.964+/-0.596  $\chi^2/\text{NDF}$ : 172175.7/9

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

# asym\_sam\_26\_avg\_mean vs Slug



Right In: -77.786+/-1393.689  $\chi^2$ /NDF: 0.4/3

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

Right Out: 1917.573+/-1058.686  $\chi^2$ /NDF: 6.5/5

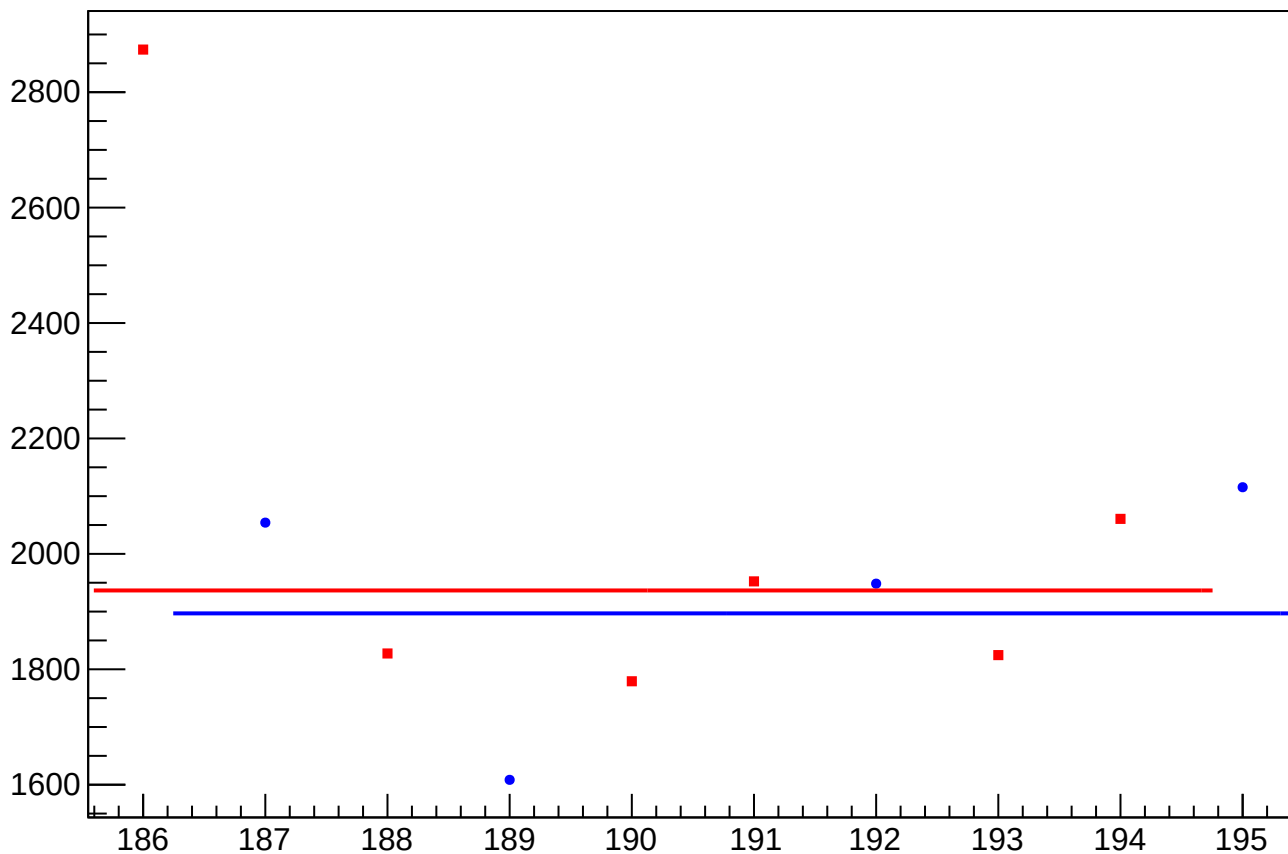
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1187.473+/-843.036  $\chi^2$ /NDF: 8.2/9

- sign 0.000+/-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: 1936.616 $\pm$ 0.749  $\chi^2$ /NDF: 103586.8/5

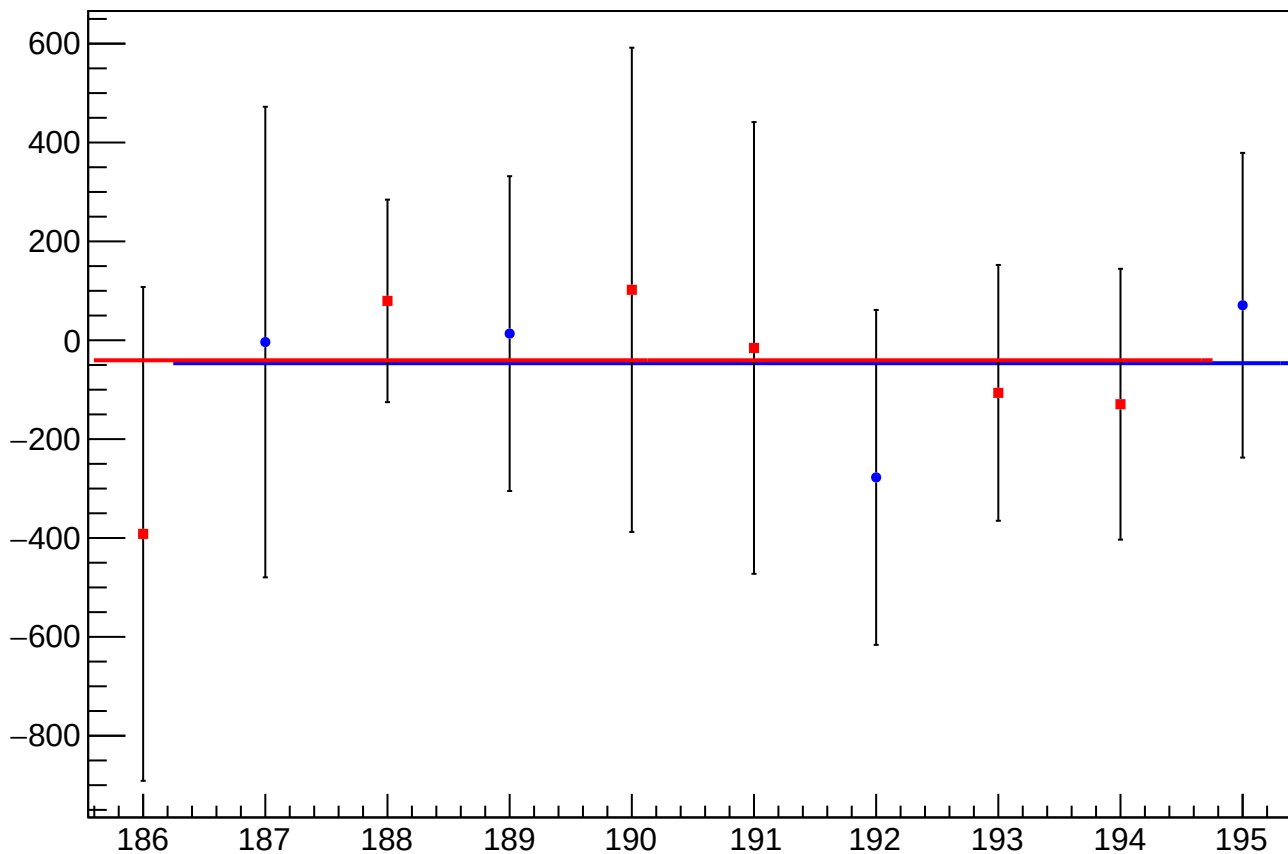
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1922.080 $\pm$ 0.596  $\chi^2$ /NDF: 154707.0/9

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

# dit\_asym\_sam\_37\_avg\_mean vs Slug



Right In: -46.387 $\pm$ 172.731  $\chi^2$ /NDF: 0.7/3

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

Right Out: -40.504 $\pm$ 123.983  $\chi^2$ /NDF: 1.1/5

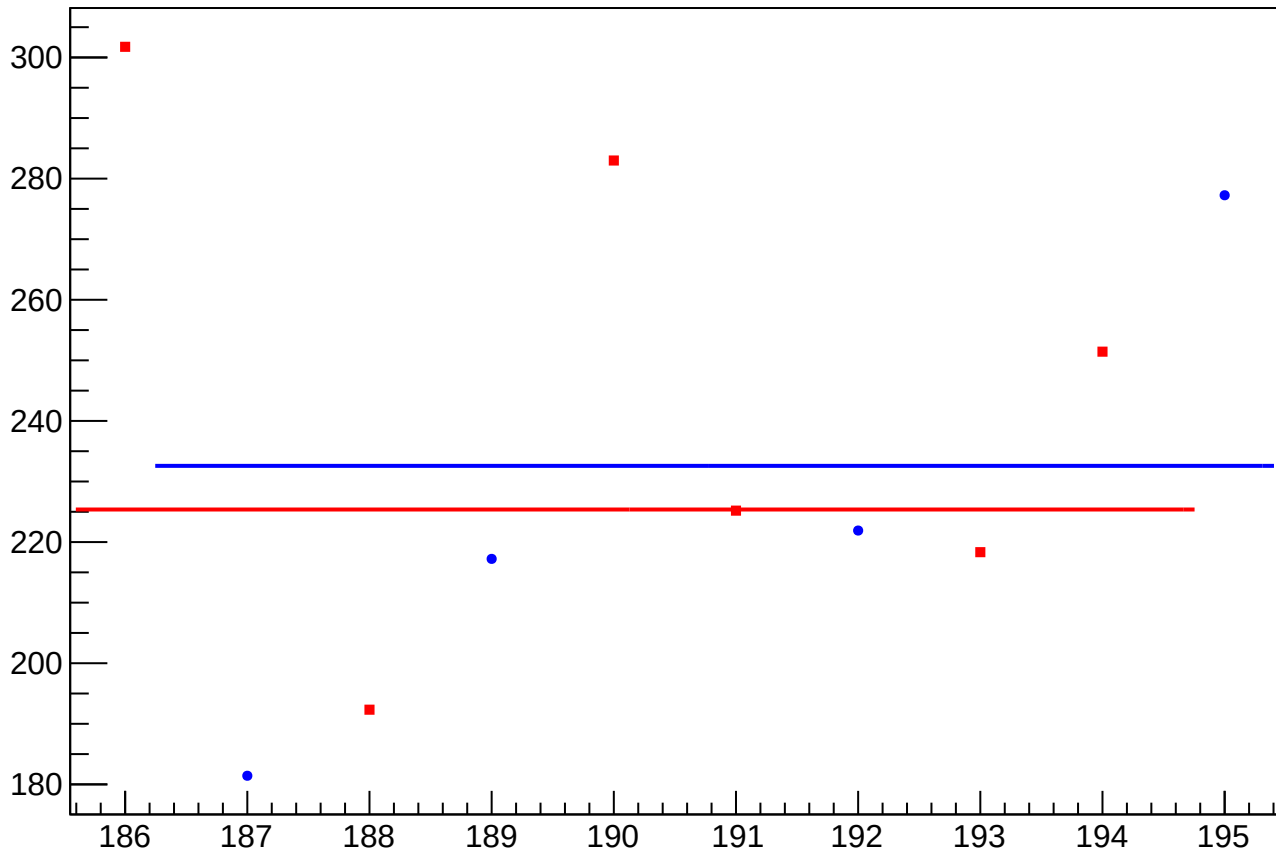
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -42.505 $\pm$ 100.723  $\chi^2$ /NDF: 1.7/9

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

# dit\_asym\_sam\_37\_avg\_rms vs Slug



Right In: 232.583 $\pm$ 0.122  $\chi^2$ /NDF: 71763.6/3

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

Right Out: 225.376 $\pm$ 0.088  $\chi^2$ /NDF: 146060.8/5

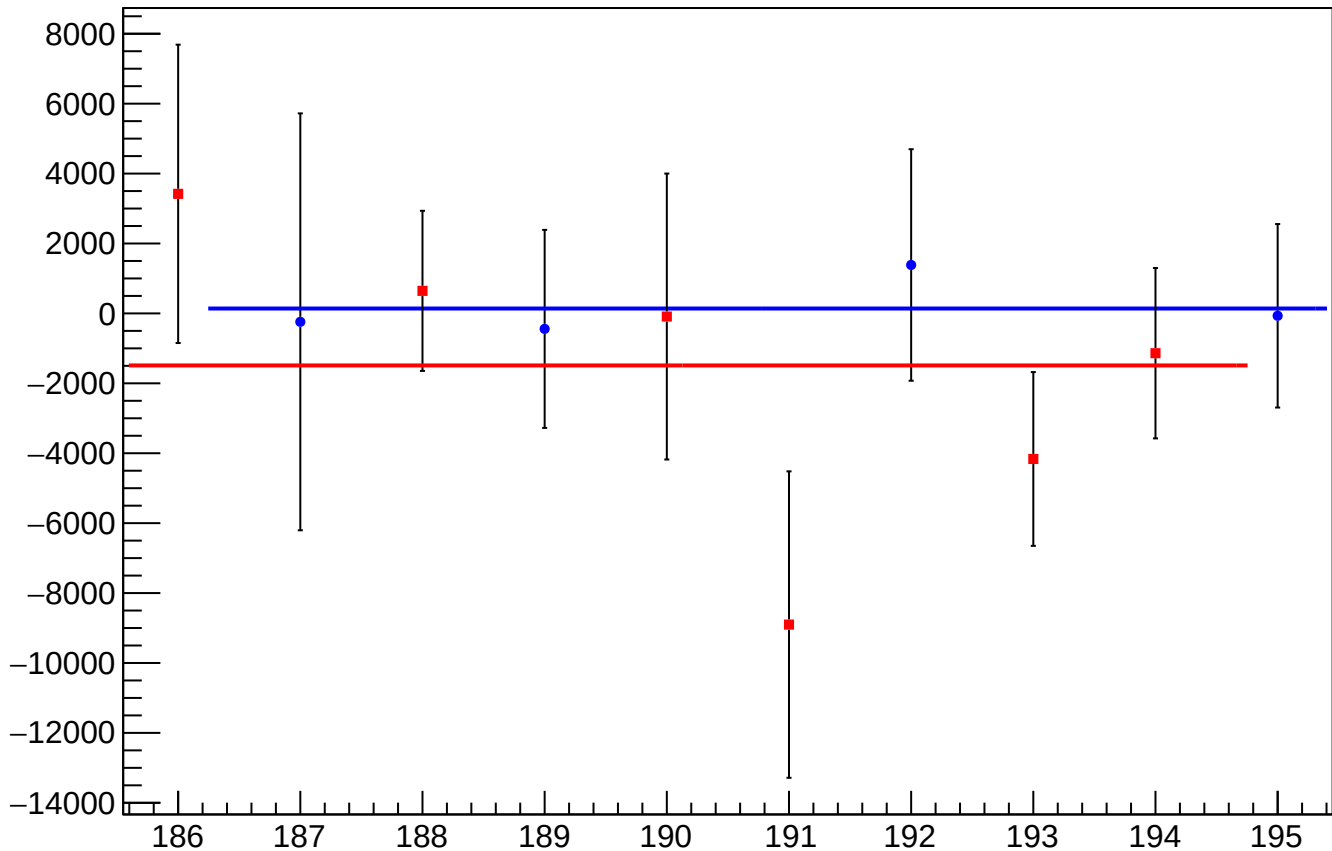
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 227.827 $\pm$ 0.071  $\chi^2$ /NDF: 220121.8/9

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

# asym\_sam\_37\_avg\_correction\_mean vs Slug



Right In: 139.833+/-1603.052  $\chi^2/\text{NDF}$ : 0.2/3

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

Right Out: -1488.126+/-1205.881  $\chi^2/\text{NDF}$ : 6.3/5

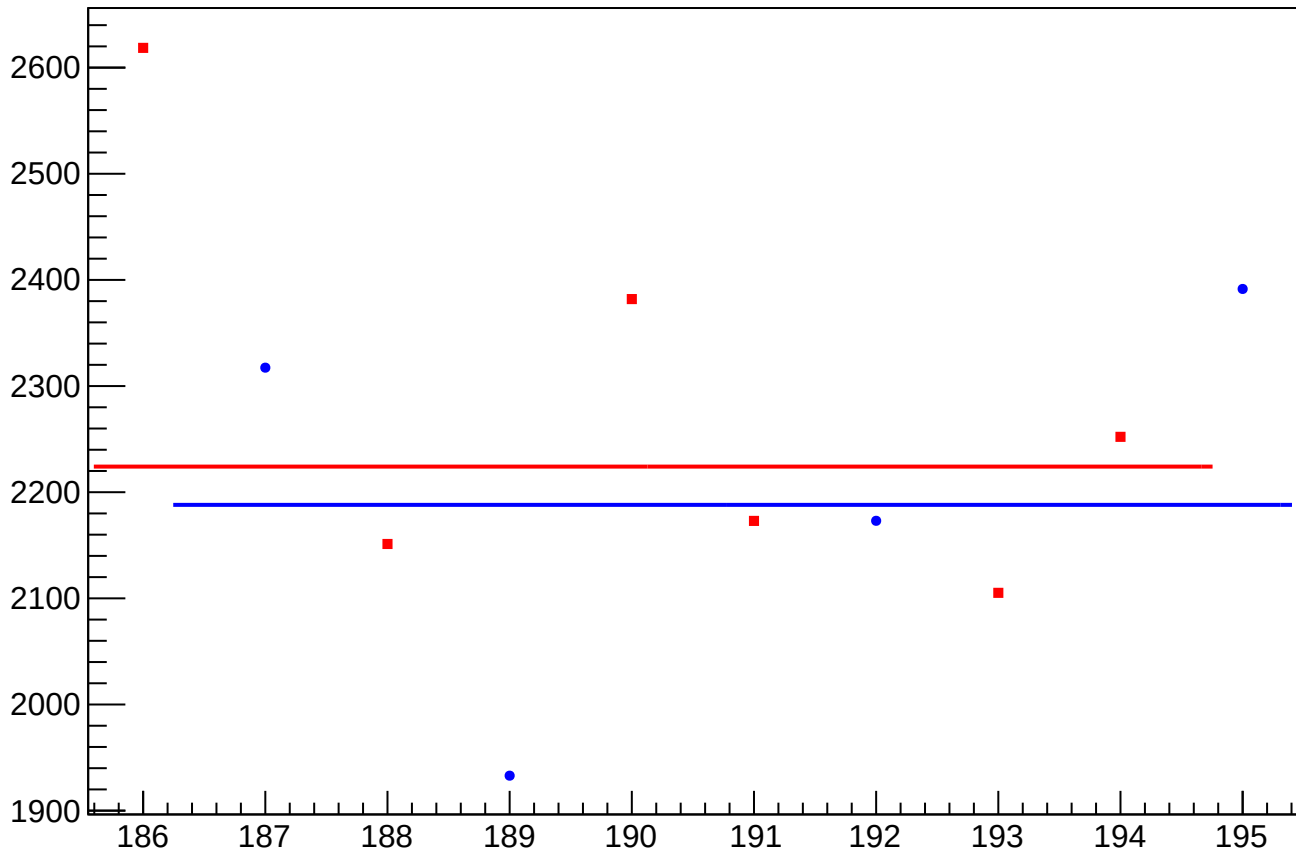
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: -899.821+/-963.667  $\chi^2/\text{NDF}$ : 7.2/9

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

# asym\_sam\_37\_avg\_correction\_rms vs Slug



Right In: 2188.077+/-1.134  $\chi^2/\text{NDF}$ : 29221.0/3

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

Right Out: 2224.130+/-0.853  $\chi^2/\text{NDF}$ : 27211.6/5

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

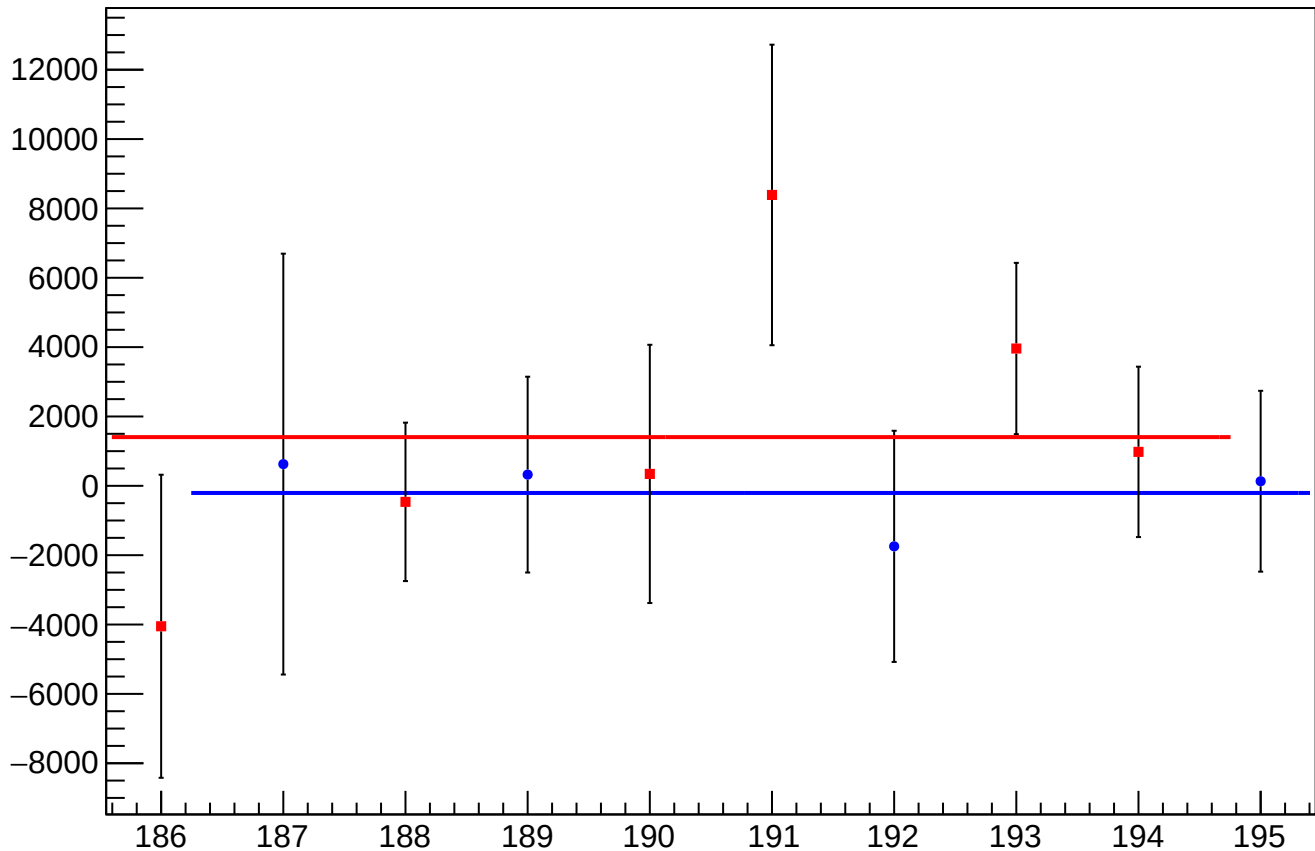
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2211.101+/-0.681  $\chi^2/\text{NDF}$ : 57078.6/9

- 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: 1405.123+/-1196.238  $\chi^2/\text{NDF}$ : 6.0/5

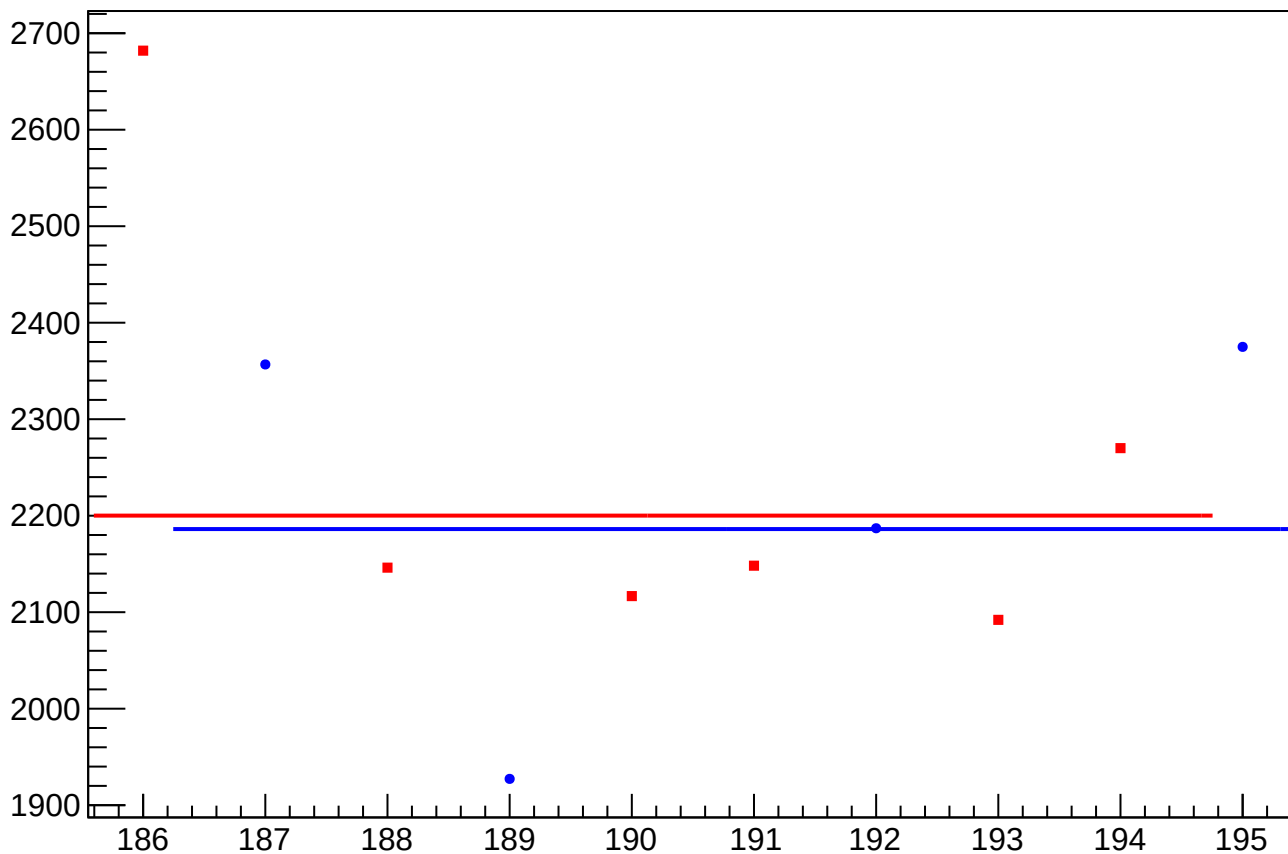
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 828.595+/-958.492  $\chi^2/\text{NDF}$ : 6.9/9

- 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: 2200.091+/-0.846  $\chi^2/\text{NDF}$ : 32165.1/5

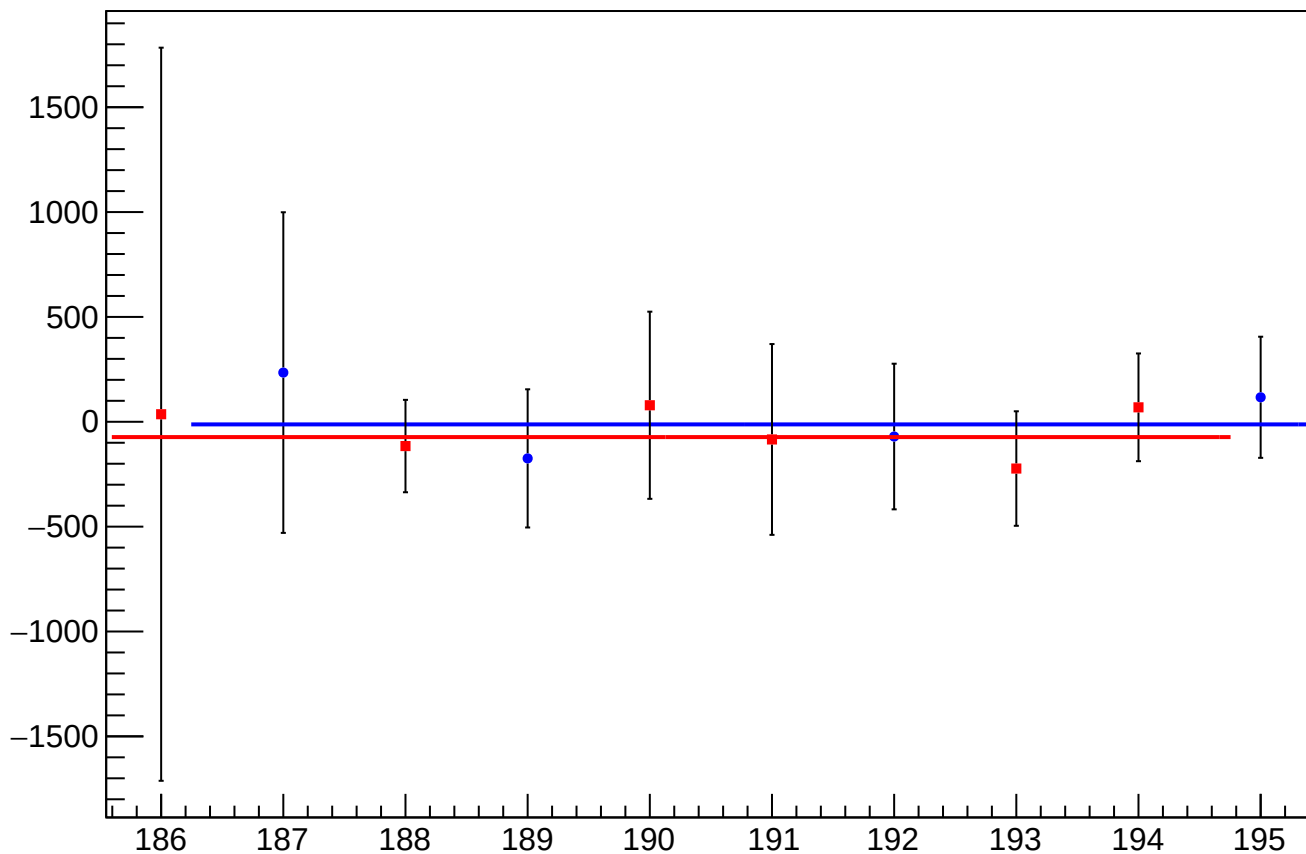
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2195.100+/-0.678  $\chi^2/\text{NDF}$ : 61142.9/9

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

dit\_asym\_sam\_48\_avg\_mean vs Slug



Right In:  $-12.452 \pm 179.001$   $\chi^2/\text{NDF}$ : 0.6/3

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

Right Out:  $-72.968 \pm 129.800$   $\chi^2/\text{NDF}$ : 0.8/5

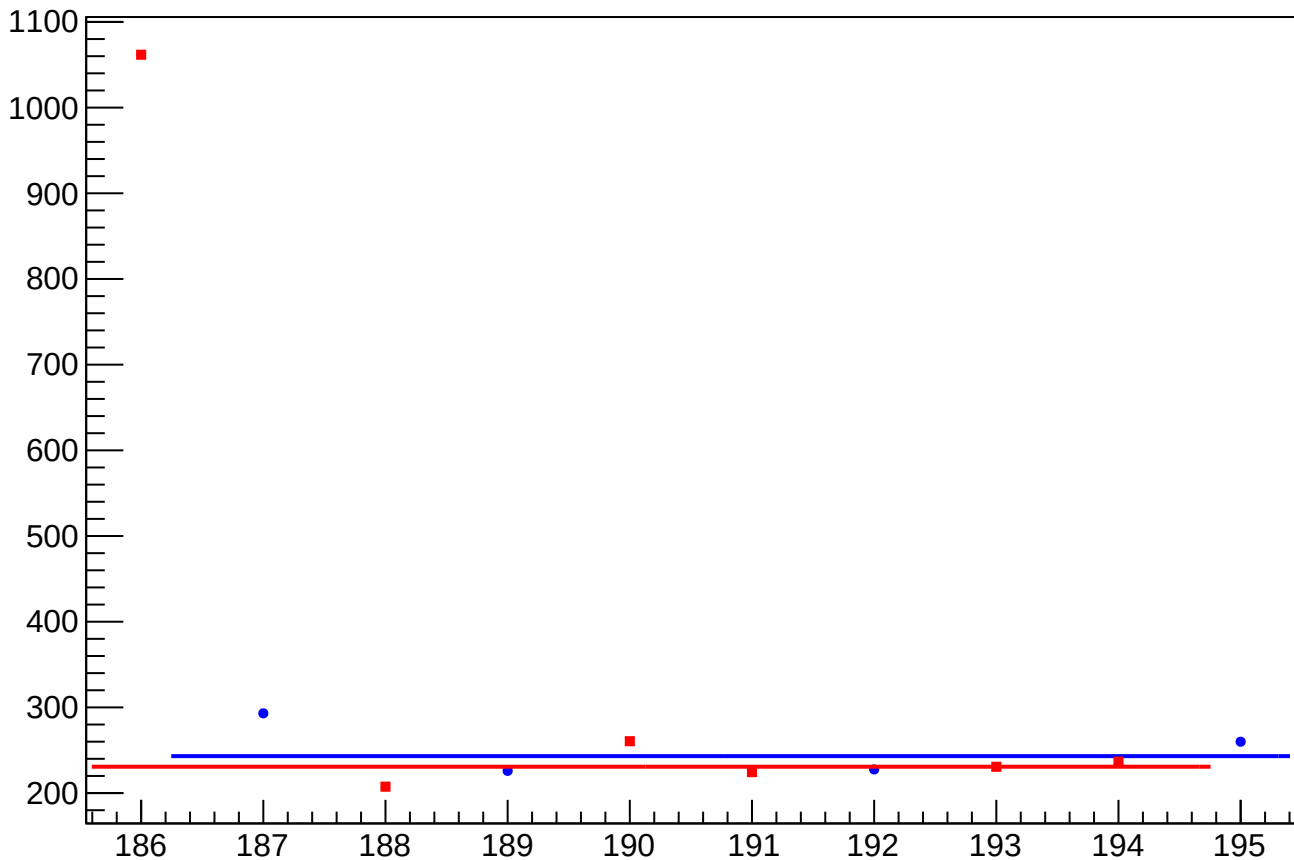
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

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

All:  $-52.113 \pm 105.081$   $\chi^2/\text{NDF}$ : 1.4/9

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

# dit\_asym\_sam\_48\_avg\_rms vs Slug



Right In: 243.119 $\pm$ 0.127  $\chi^2$ /NDF: 24788.9/3

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

Right Out: 230.781 $\pm$ 0.092  $\chi^2$ /NDF: 484675.2/5

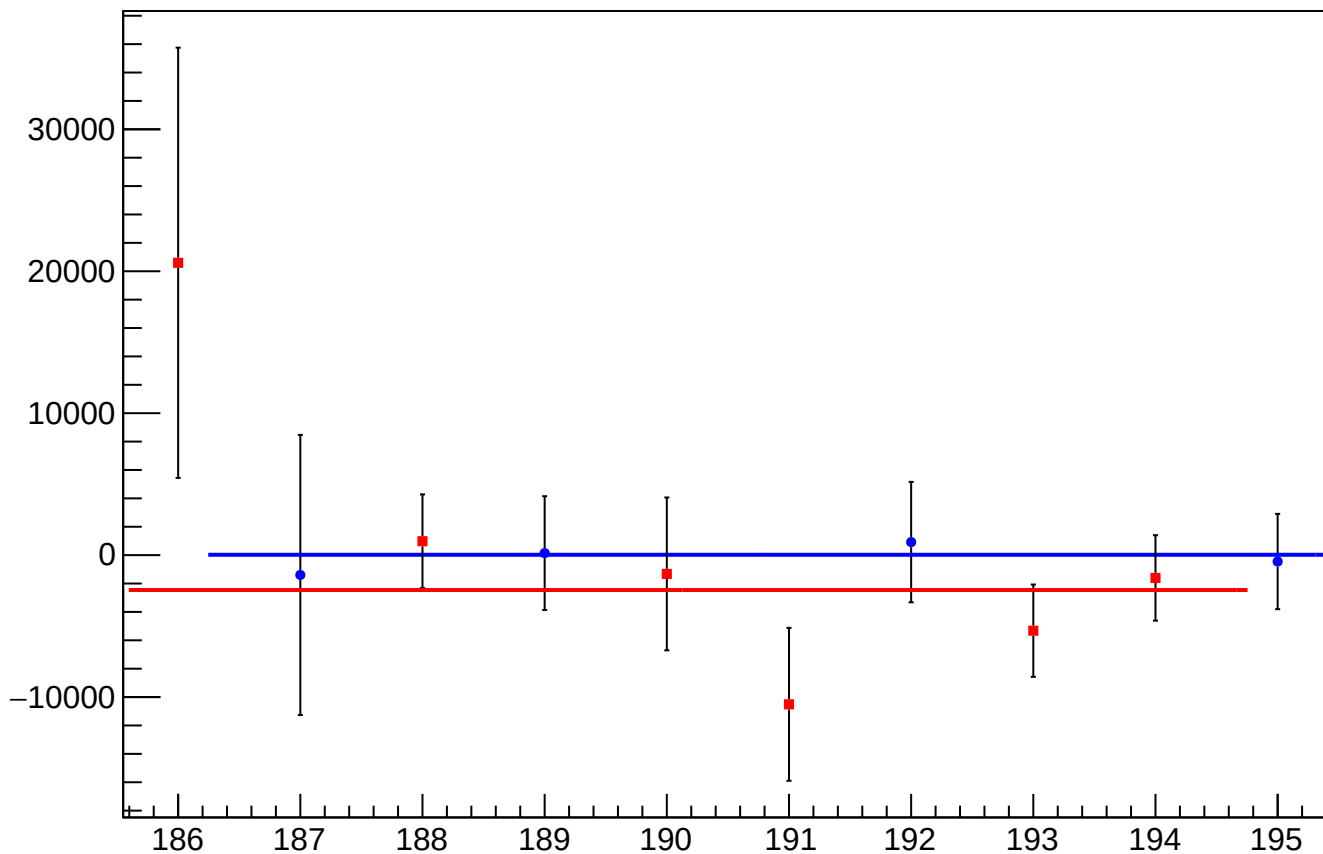
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

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

All: 235.033 $\pm$ 0.074  $\chi^2$ /NDF: 515691.4/9

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

# asym\_sam\_48\_avg\_correction\_mean vs Slug



Right In: 26.109 $\pm$ 2147.342  $\chi^2$ /NDF: 0.1/3

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

Right Out: -2454.879 $\pm$ 1643.836  $\chi^2$ /NDF: 6.5/5

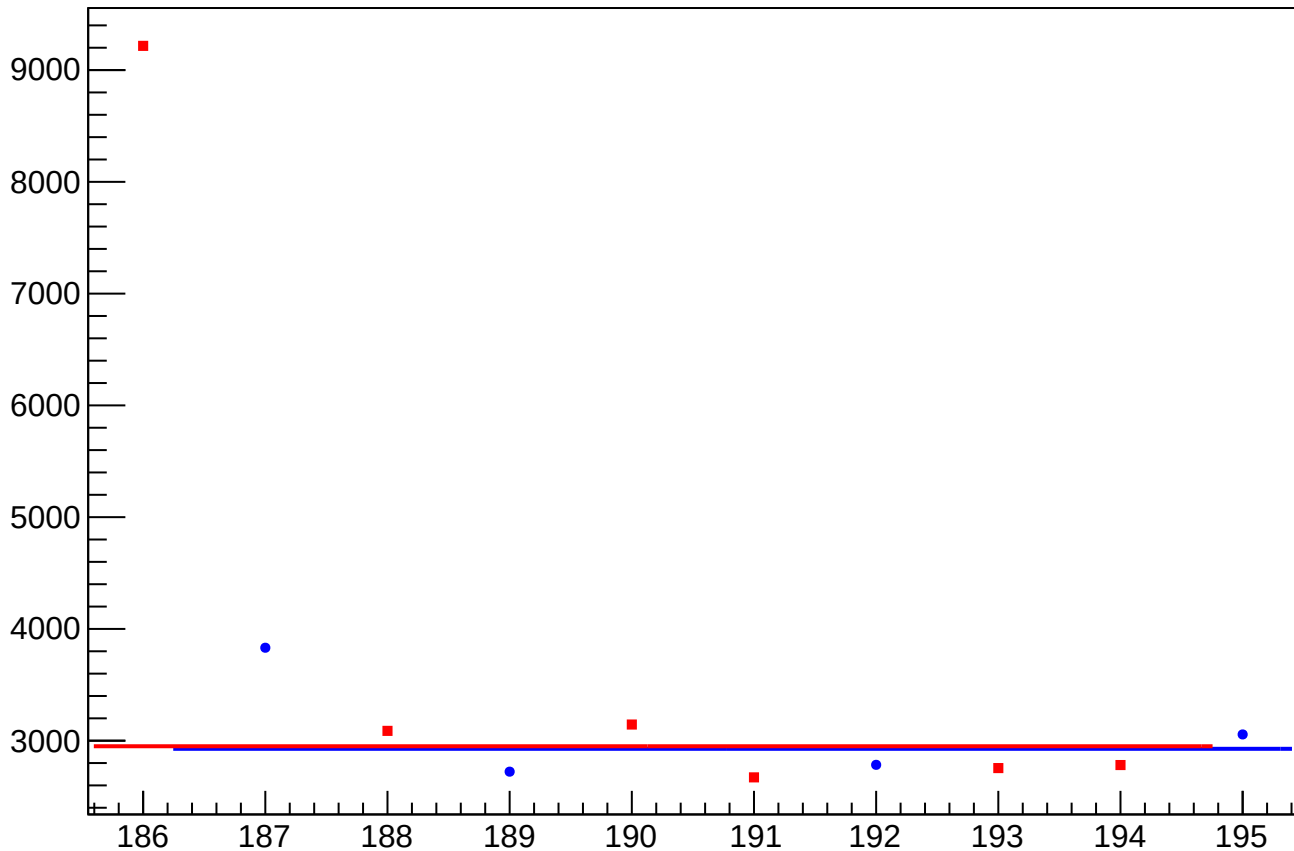
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

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

All: -1538.173 $\pm$ 1305.280  $\chi^2$ /NDF: 7.5/9

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

# asym\_sam\_48\_avg\_correction\_rms vs Slug



Right In: 2927.364+/-1.518  $\chi^2/\text{NDF}$ : 27219.2/3

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

Right Out: 2950.280+/-1.162  $\chi^2/\text{NDF}$ : 366775.6/5

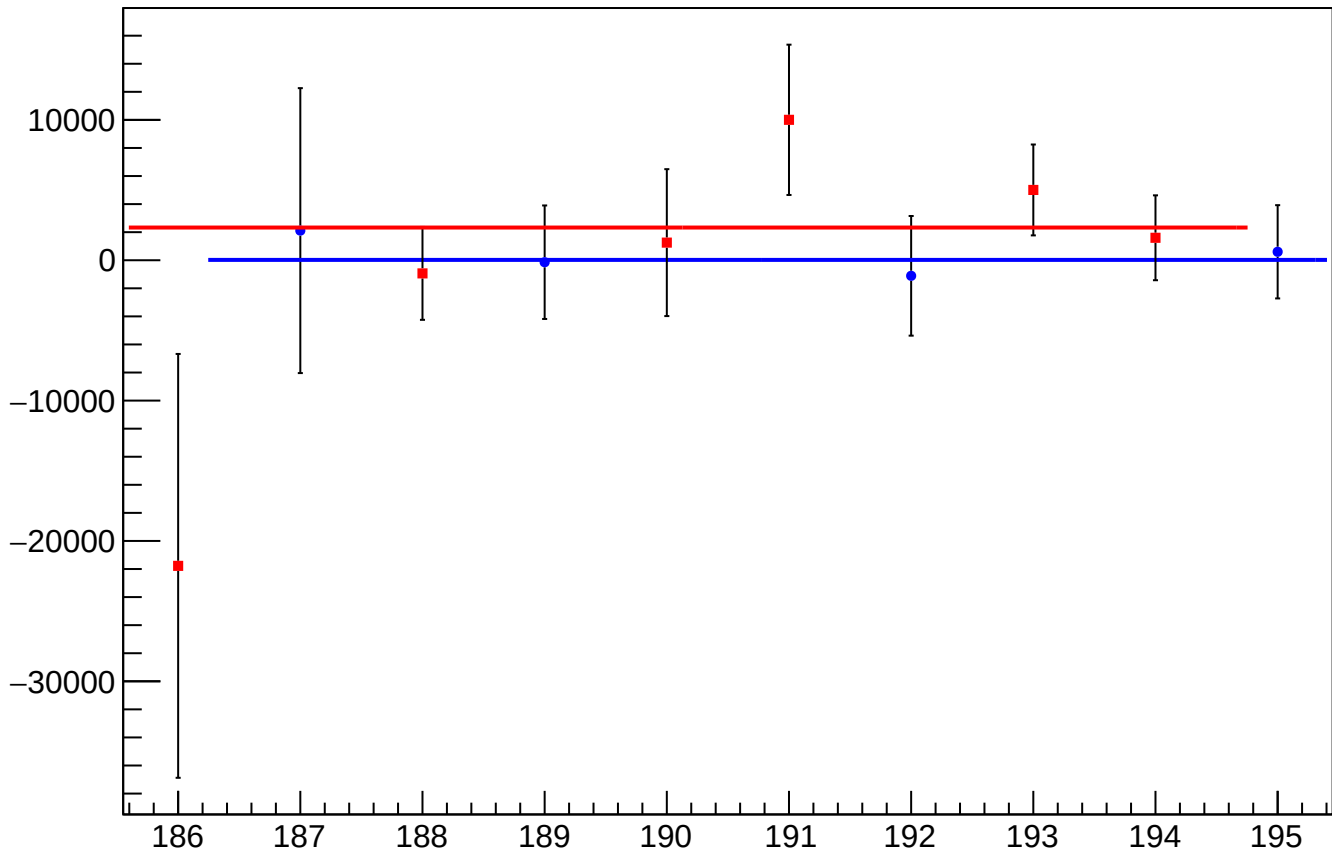
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2941.813+/-0.923  $\chi^2/\text{NDF}$ : 394138.4/9

- 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: 2330.342+/-1639.863  $\chi^2/\text{NDF}$ : 6.4/5

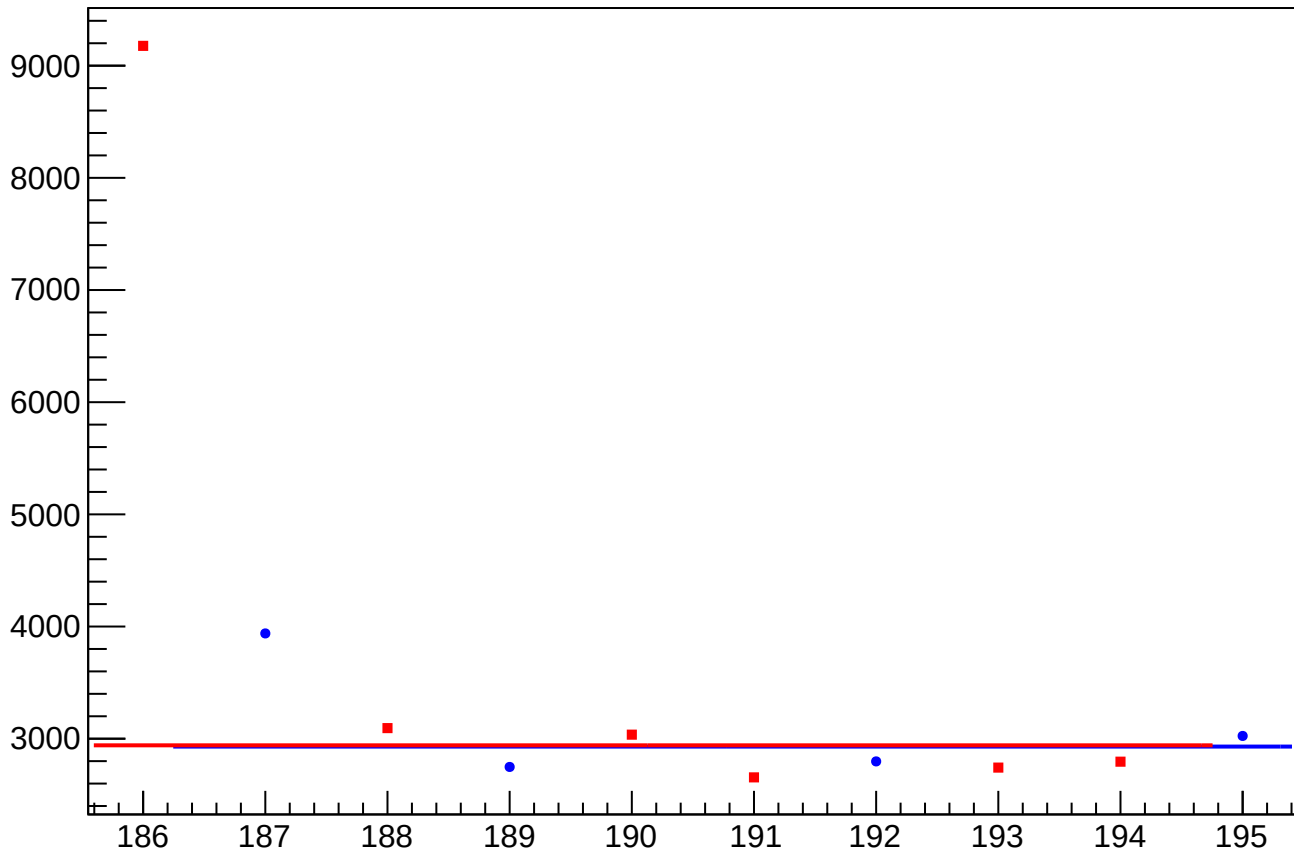
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 1482.026+/-1303.731  $\chi^2/\text{NDF}$ : 7.2/9

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

# asym\_sam\_48\_avg\_rms vs Slug



Right In: 2929.838 $\pm$ 1.520  $\chi^2$ /NDF: 27330.2/3

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

Right Out: 2940.951 $\pm$ 1.160  $\chi^2$ /NDF: 363898.7/5

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

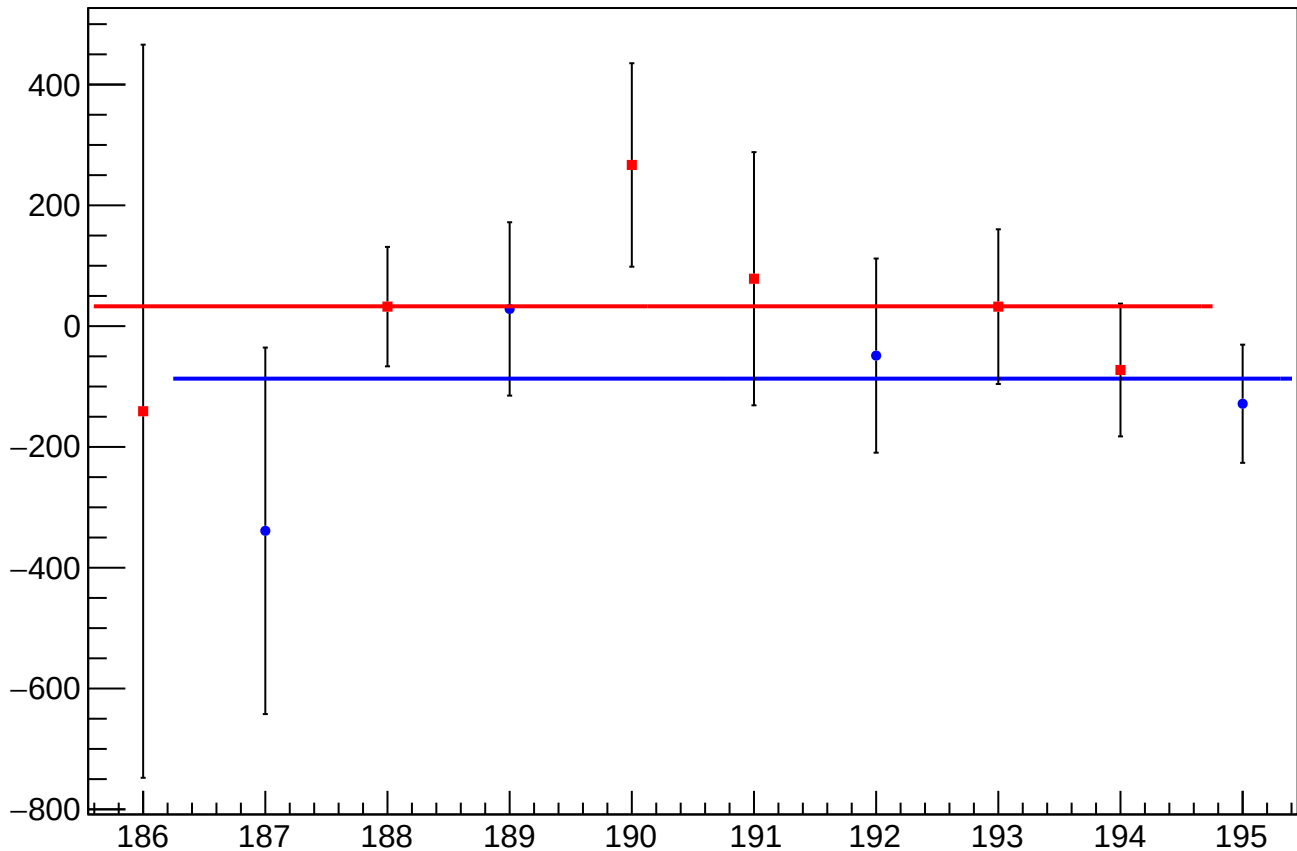
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2936.862 $\pm$ 0.922  $\chi^2$ /NDF: 391262.7/9

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



# dit\_asym\_sam\_15\_dd\_mean vs Slug



Right In: -86.929 $\pm$ 70.252  $\chi^2$ /NDF: 1.6/3

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

Right Out: 32.837 $\pm$ 57.096  $\chi^2$ /NDF: 3.0/5

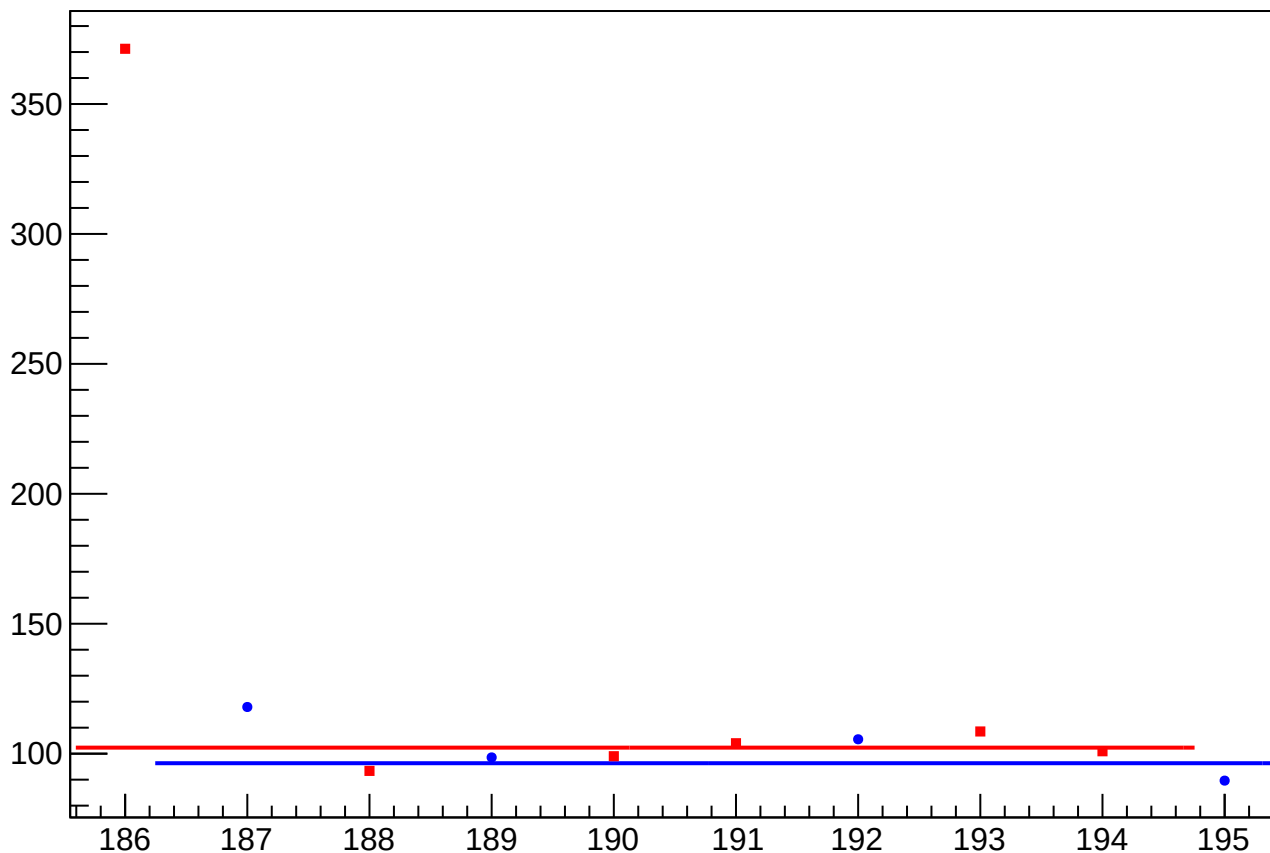
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -14.805 $\pm$ 44.308  $\chi^2$ /NDF: 6.3/9

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

# dit\_asym\_sam\_15\_dd\_rms vs Slug



Right In: 96.326+/-0.050  $\chi^2/\text{NDF}$ : 26592.3/3

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

Right Out: 102.323+/-0.040  $\chi^2/\text{NDF}$ : 415002.8/5

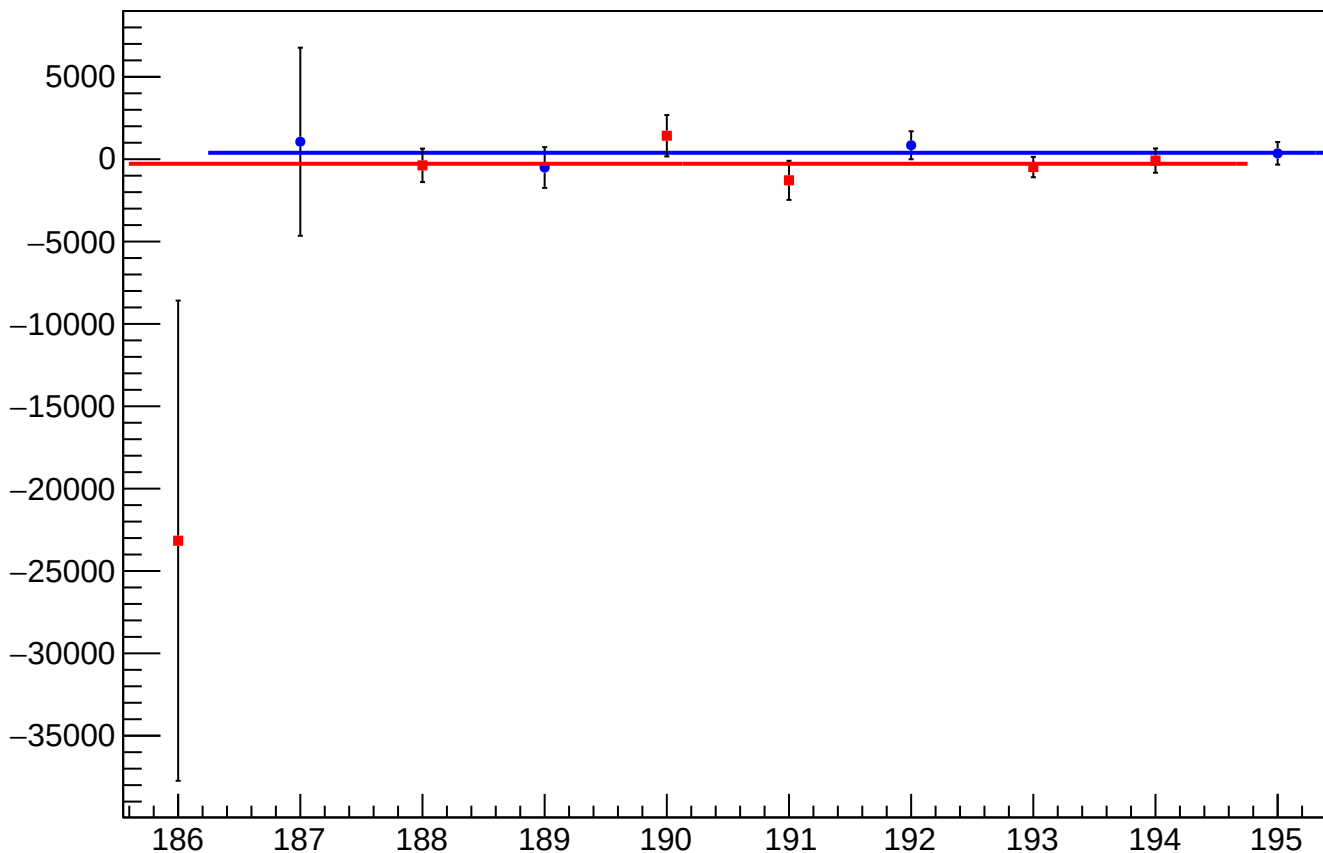
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 99.937+/-0.031  $\chi^2/\text{NDF}$ : 450372.6/9

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

# asym\_sam\_15\_dd\_correction\_mean vs Slug



Right In: 390.058 $\pm$ 487.982  $\chi^2$ /NDF: 0.8/3

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

Right Out: -276.885 $\pm$ 384.685  $\chi^2$ /NDF: 5.2/5

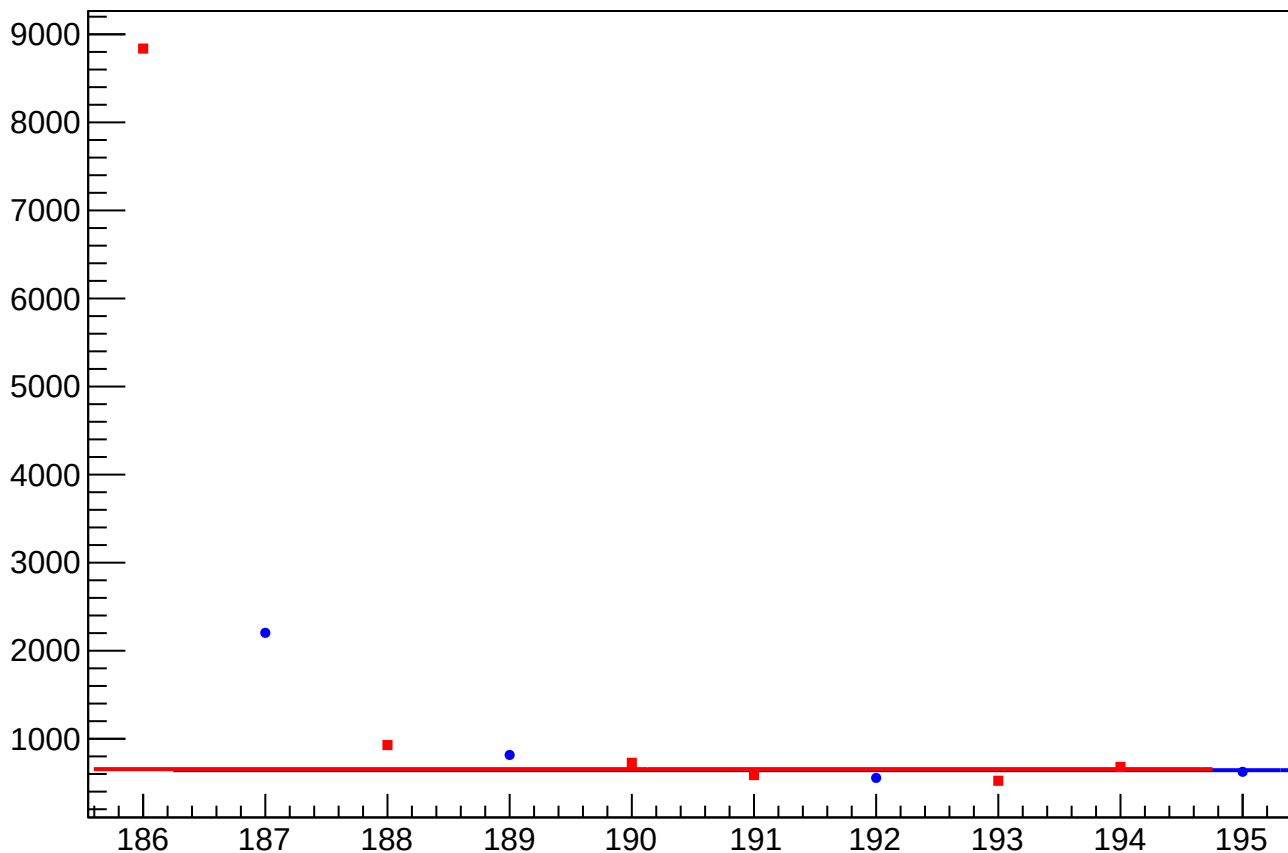
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -21.267 $\pm$ 302.102  $\chi^2$ /NDF: 7.2/9

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

# asym\_sam\_15\_dd\_correction\_rms vs Slug



Right In: 643.258 $\pm$ 0.345  $\chi^2$ /NDF: 211104.6/3

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

Right Out: 655.725 $\pm$ 0.272  $\chi^2$ /NDF: 880508.0/5

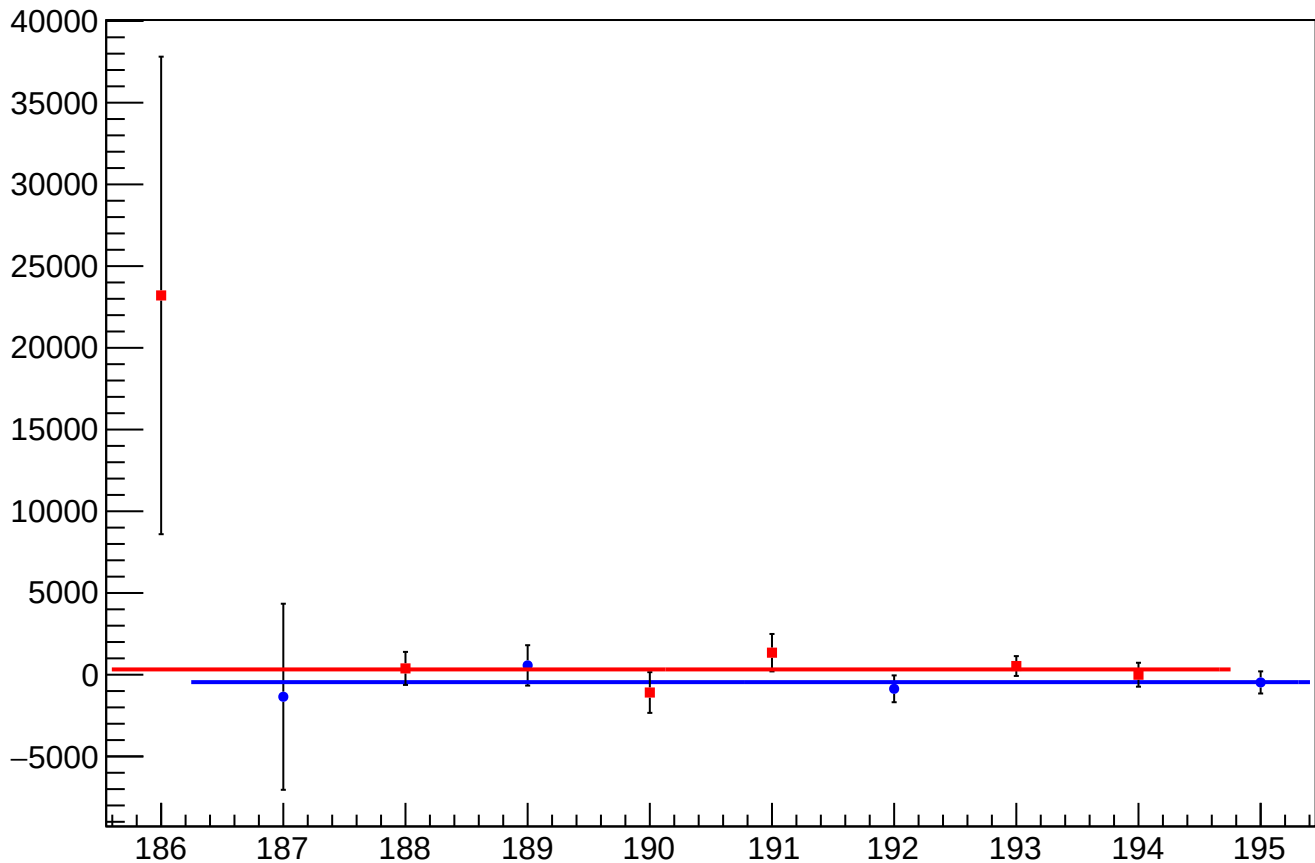
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 650.947 $\pm$ 0.214  $\chi^2$ /NDF: 1092417.7/9

- 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: 323.219+/-378.532  $\chi^2/\text{NDF}$ : 4.9/5

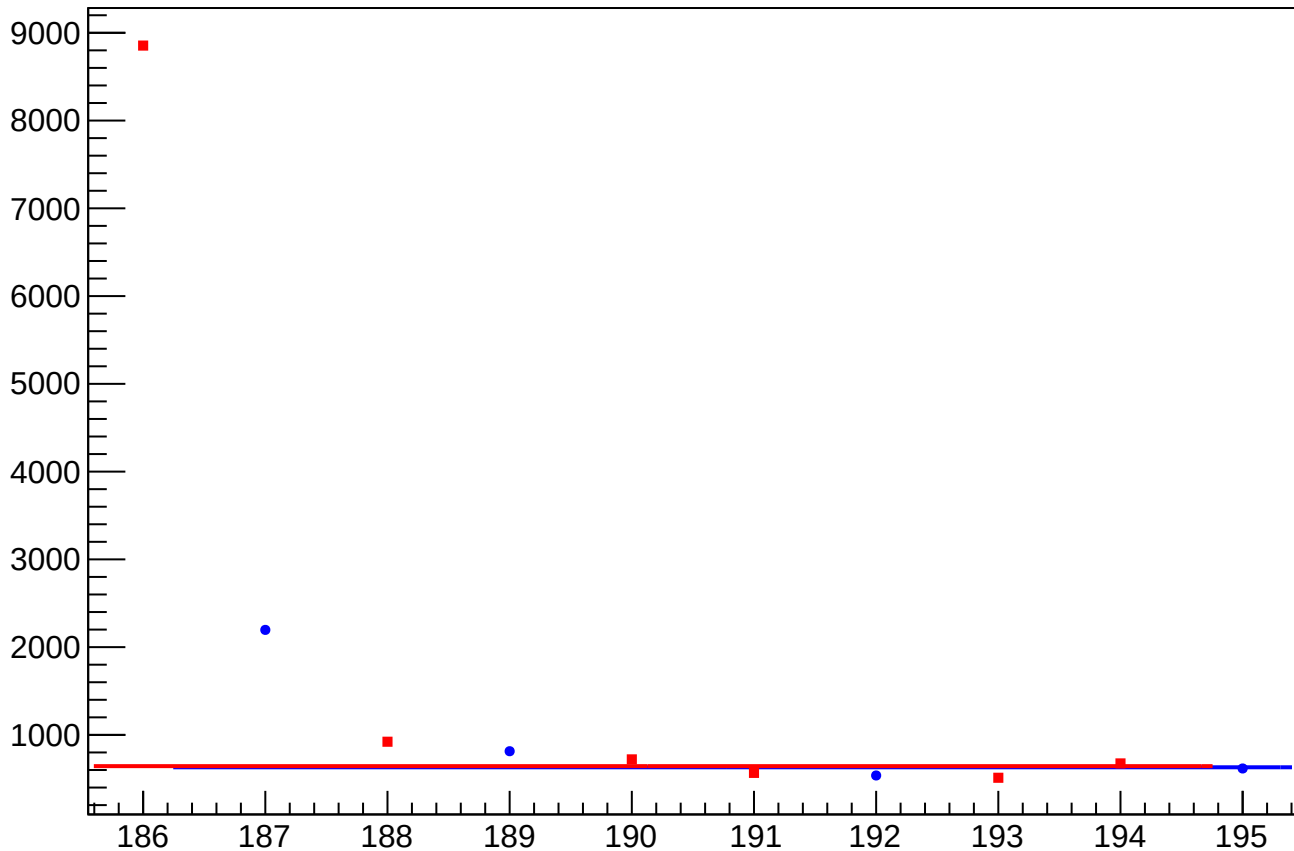
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 24.551+/-297.091  $\chi^2/\text{NDF}$ : 7.4/9

- 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: 644.027 $\pm$ 0.268  $\chi^2$ /NDF: 898901.0/5

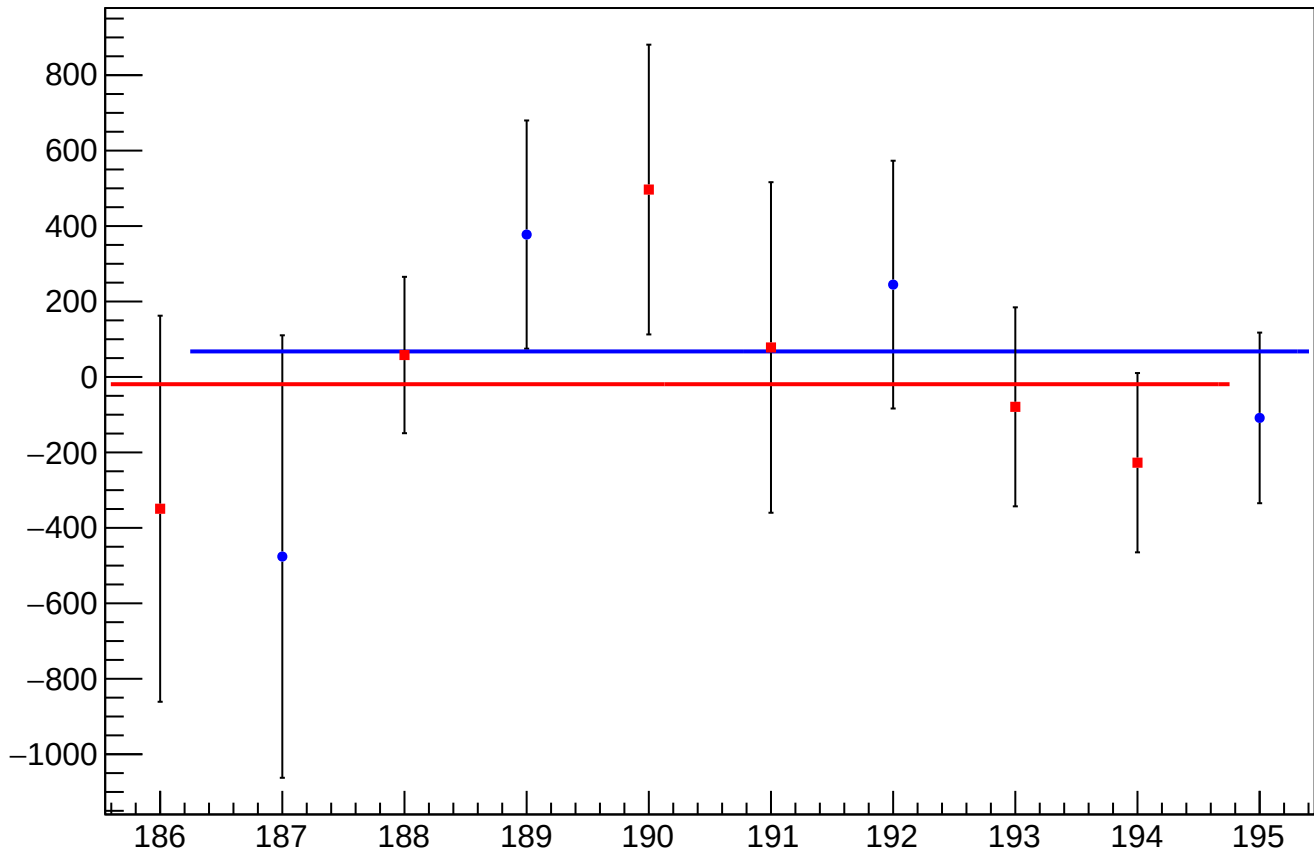
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 639.021 $\pm$ 0.210  $\chi^2$ /NDF: 1121752.4/9

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

# dit\_asym\_sam\_26\_dd\_mean vs Slug



Right In: 67.706+/-153.082  $\chi^2/\text{NDF}$ : 2.8/3

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

Right Out: -19.190+/-118.531  $\chi^2/\text{NDF}$ : 3.2/5

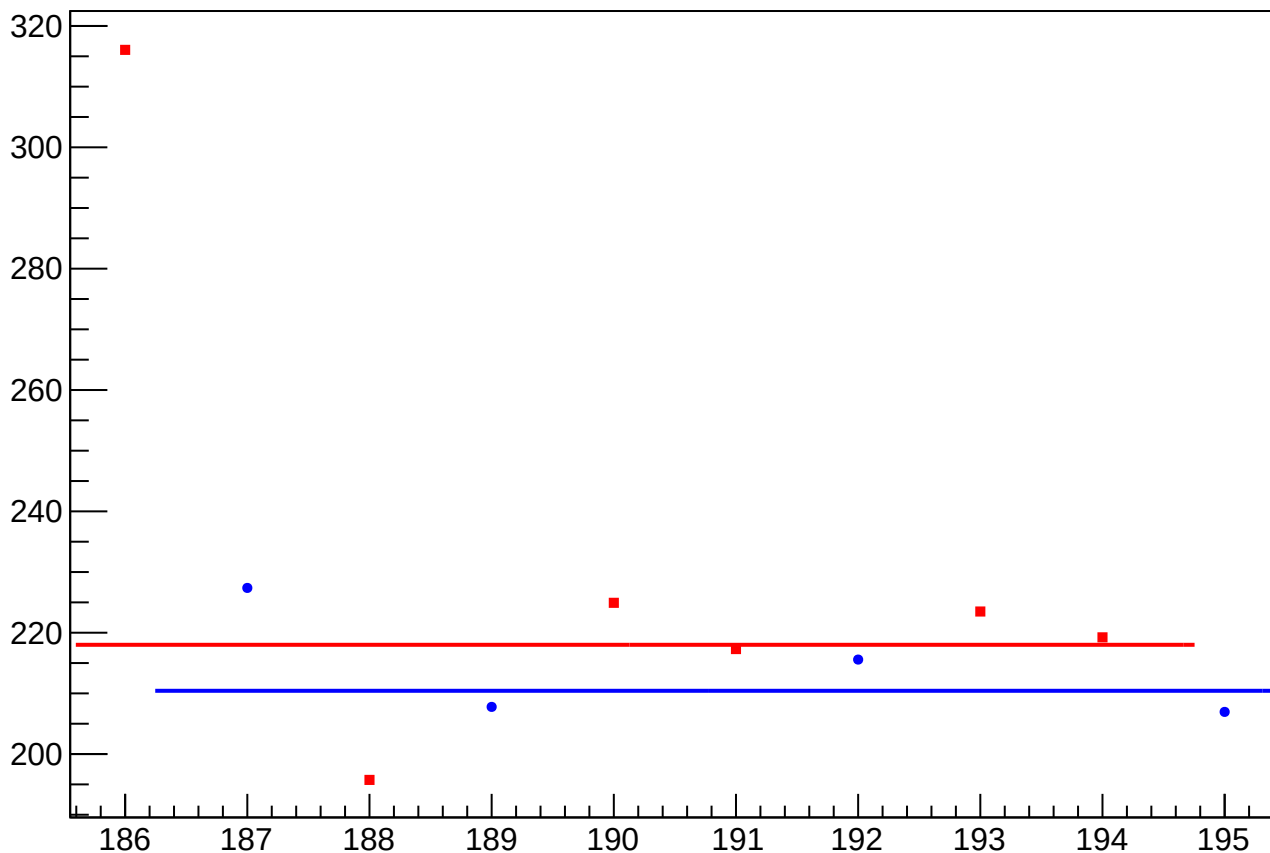
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 13.380+/-93.721  $\chi^2/\text{NDF}$ : 6.2/9

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

# dit\_asym\_sam\_26\_dd\_rms vs Slug



Right In: 210.427 $\pm$ 0.108  $\chi^2$ /NDF: 2789.9/3

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

Right Out: 218.008 $\pm$ 0.084  $\chi^2$ /NDF: 98109.4/5

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

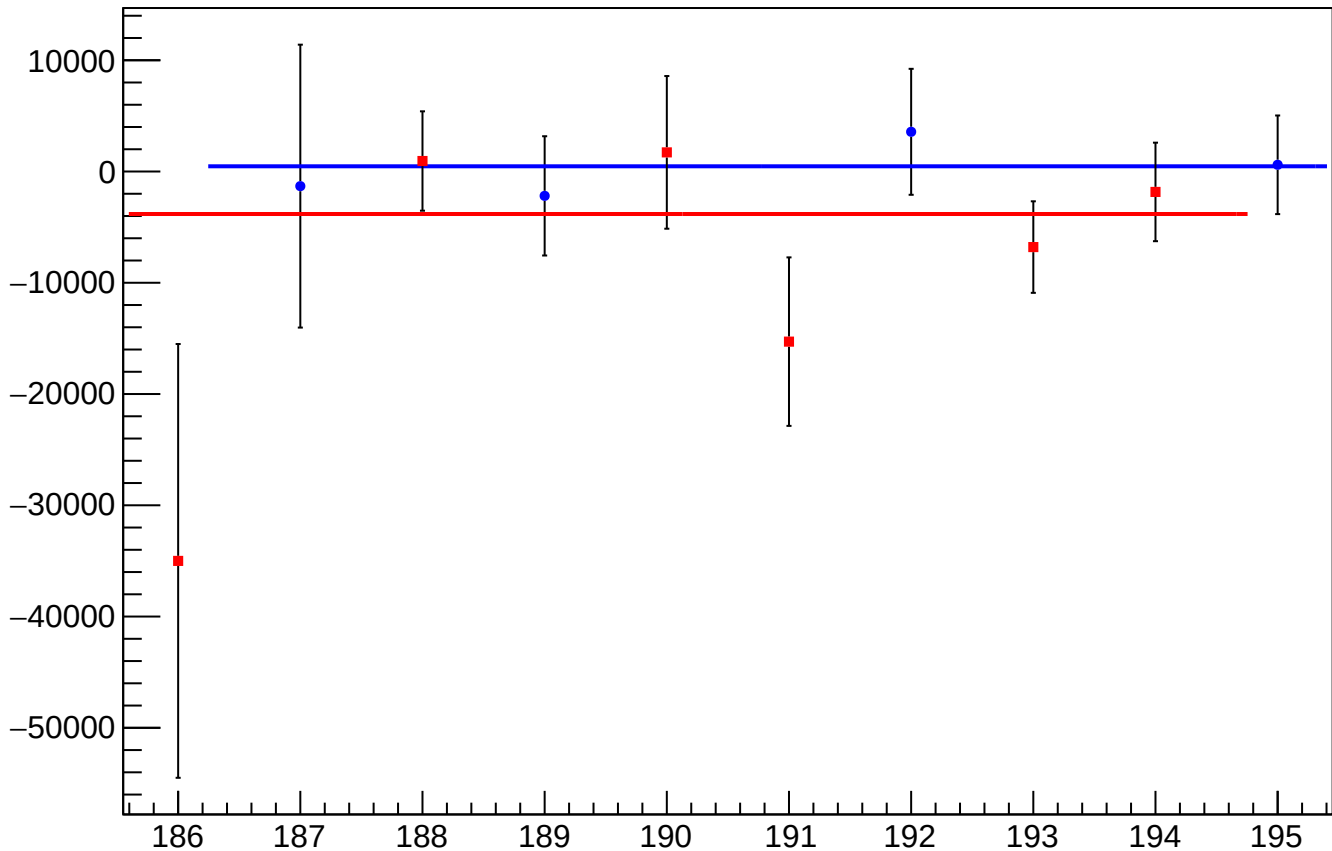
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 215.167 $\pm$ 0.066  $\chi^2$ /NDF: 103965.3/9

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



# asym\_sam\_26\_dd\_correction\_mean vs Slug



Right In: 468.362 $\pm$ 2849.944  $\chi^2$ /NDF: 0.6/3

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

Right Out: -3819.816 $\pm$ 2227.331  $\chi^2$ /NDF: 7.4/5

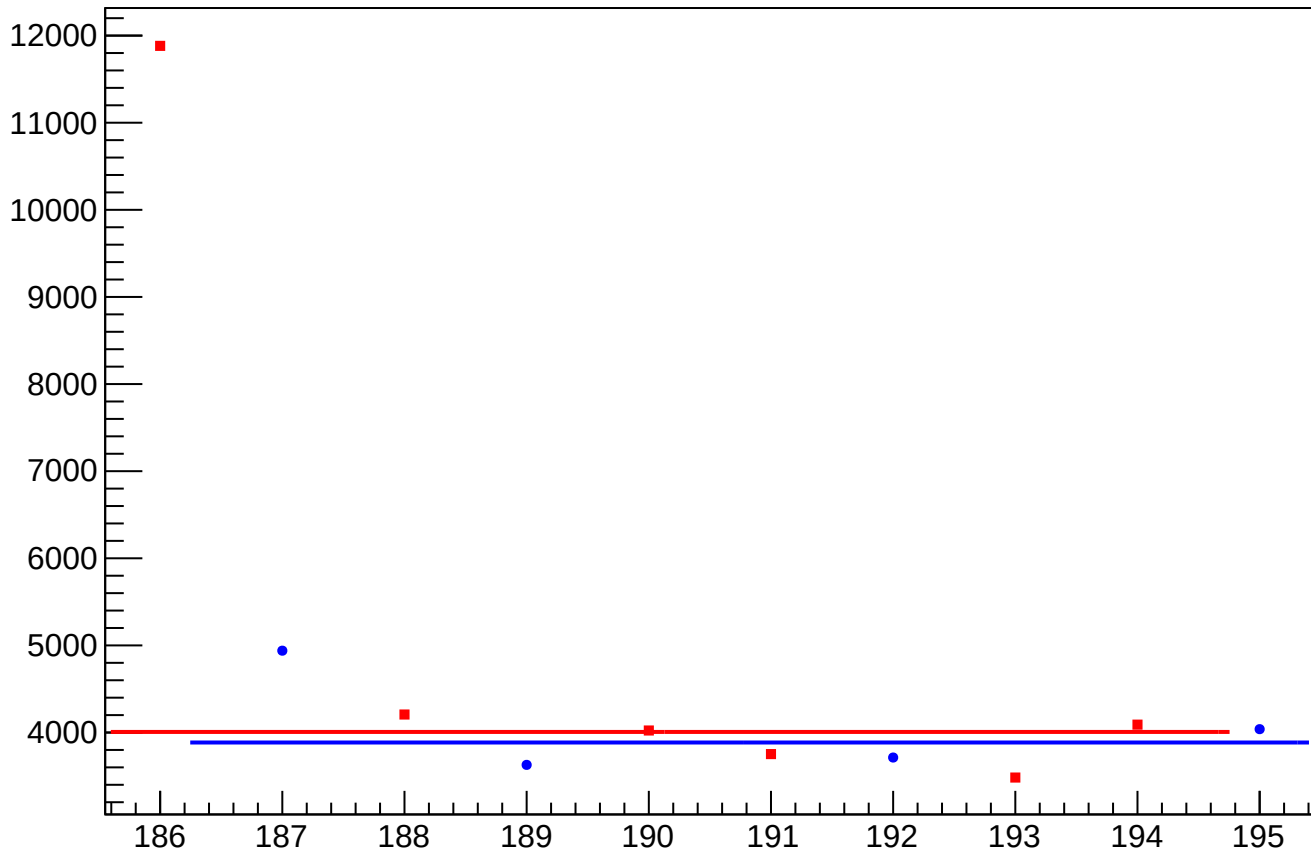
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: -2193.785 $\pm$ 1754.948  $\chi^2$ /NDF: 9.3/9

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

# asym\_sam\_26\_dd\_correction\_rms vs Slug



Right In: 3885.481 $\pm$ 2.015  $\chi^2$ /NDF: 22584.8/3

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

Right Out: 4006.776 $\pm$ 1.575  $\chi^2$ /NDF: 365794.0/5

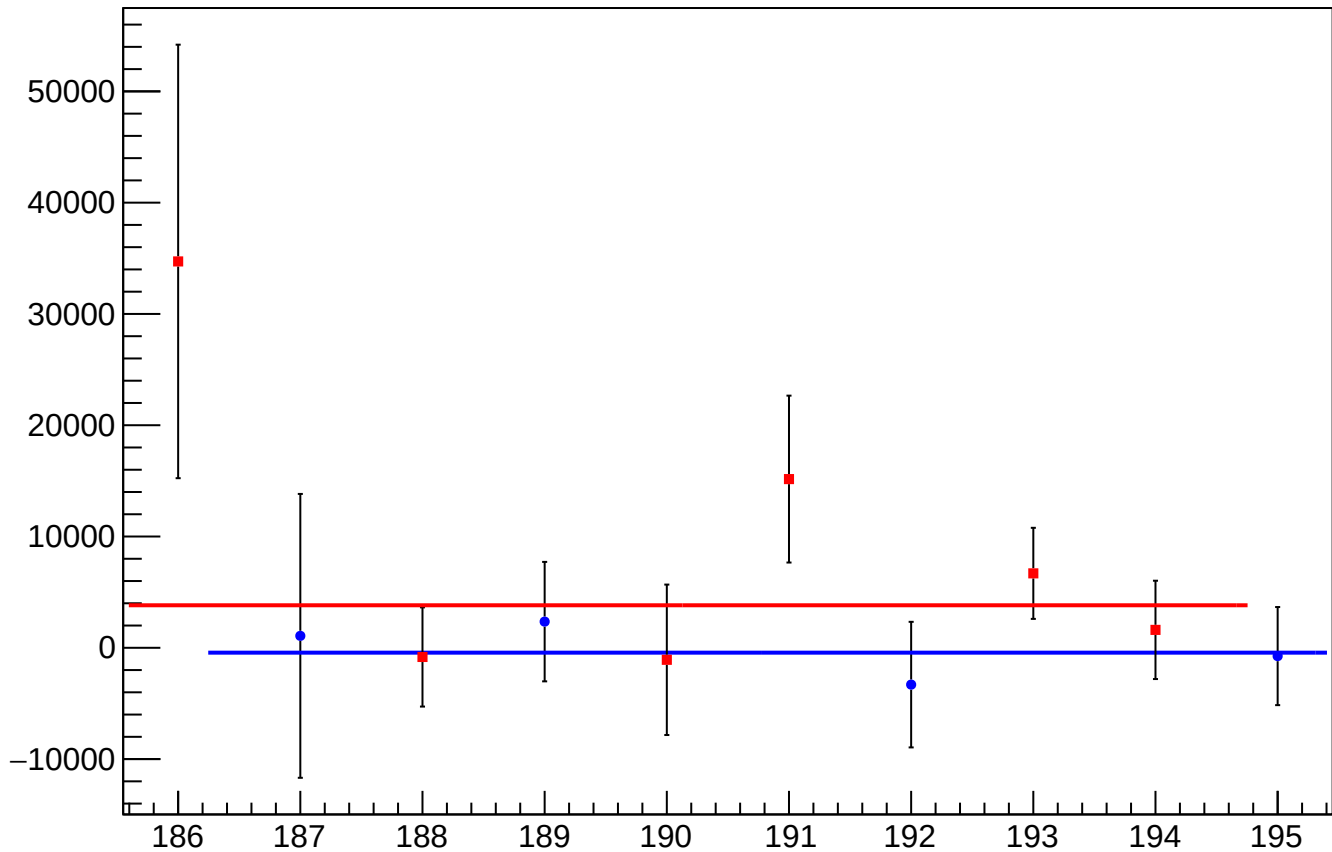
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 3960.782 $\pm$ 1.241  $\chi^2$ /NDF: 390627.9/9

- 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: 3821.022+/-2216.192  $\chi^2/\text{NDF}$ : 7.2/5

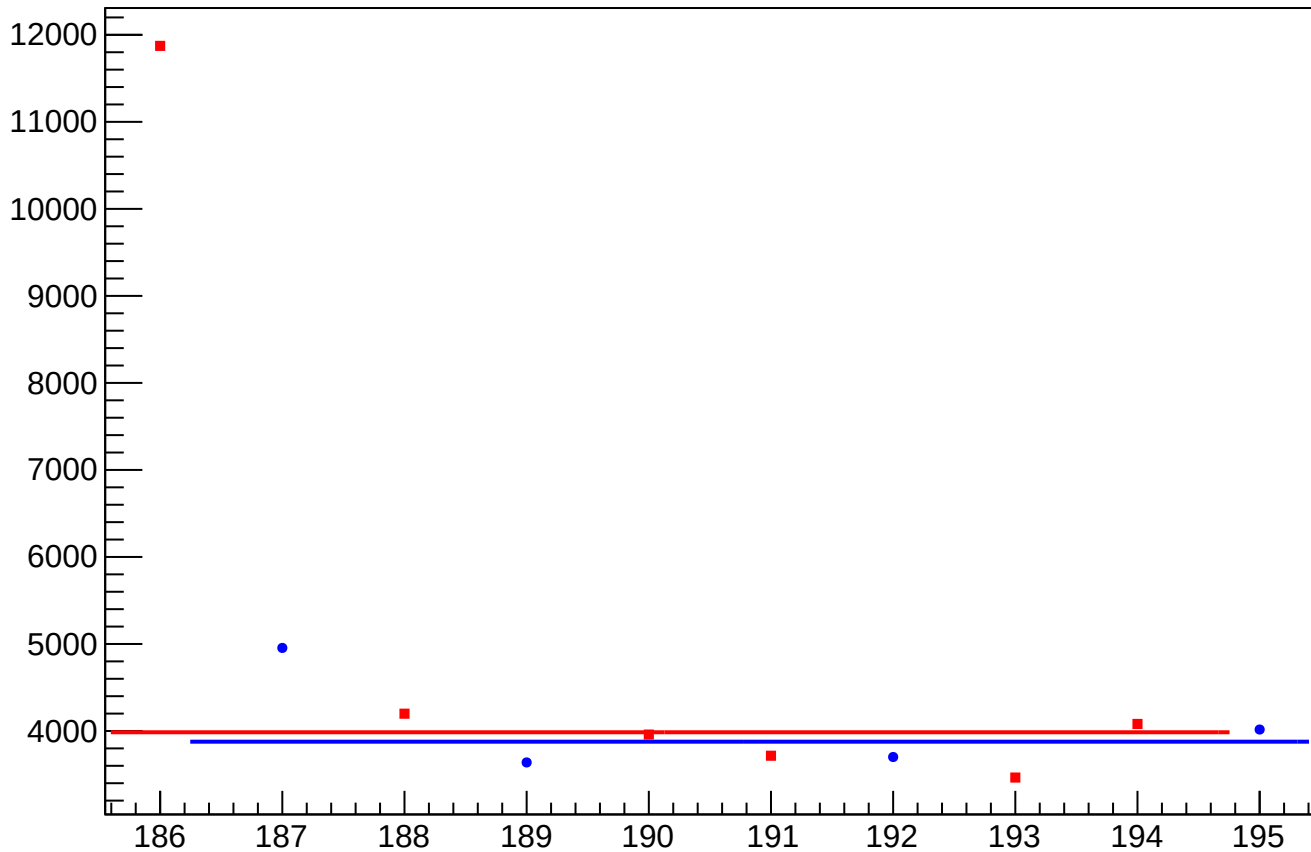
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 2211.365+/-1747.800  $\chi^2/\text{NDF}$ : 9.1/9

- 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: 3985.428 $\pm$ 1.567  $\chi^2$ /NDF: 368465.0/5

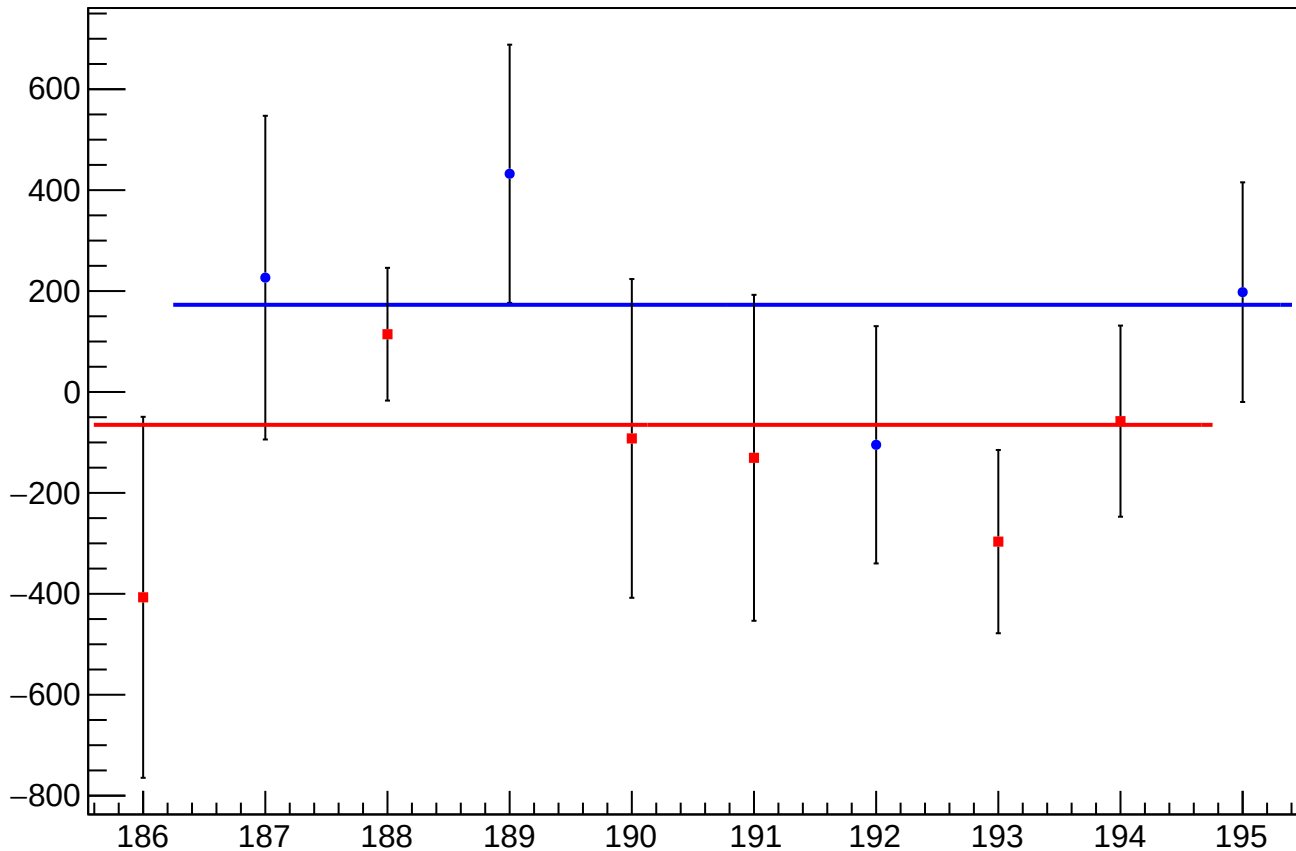
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 3944.525 $\pm$ 1.236  $\chi^2$ /NDF: 392450.7/9

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

# dit\_asym\_sam\_37\_dd\_mean vs Slug



Right In: 172.769 $\pm$ 124.809  $\chi^2$ /NDF: 2.5/3

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

Right Out: -65.124 $\pm$ 83.497  $\chi^2$ /NDF: 4.5/5

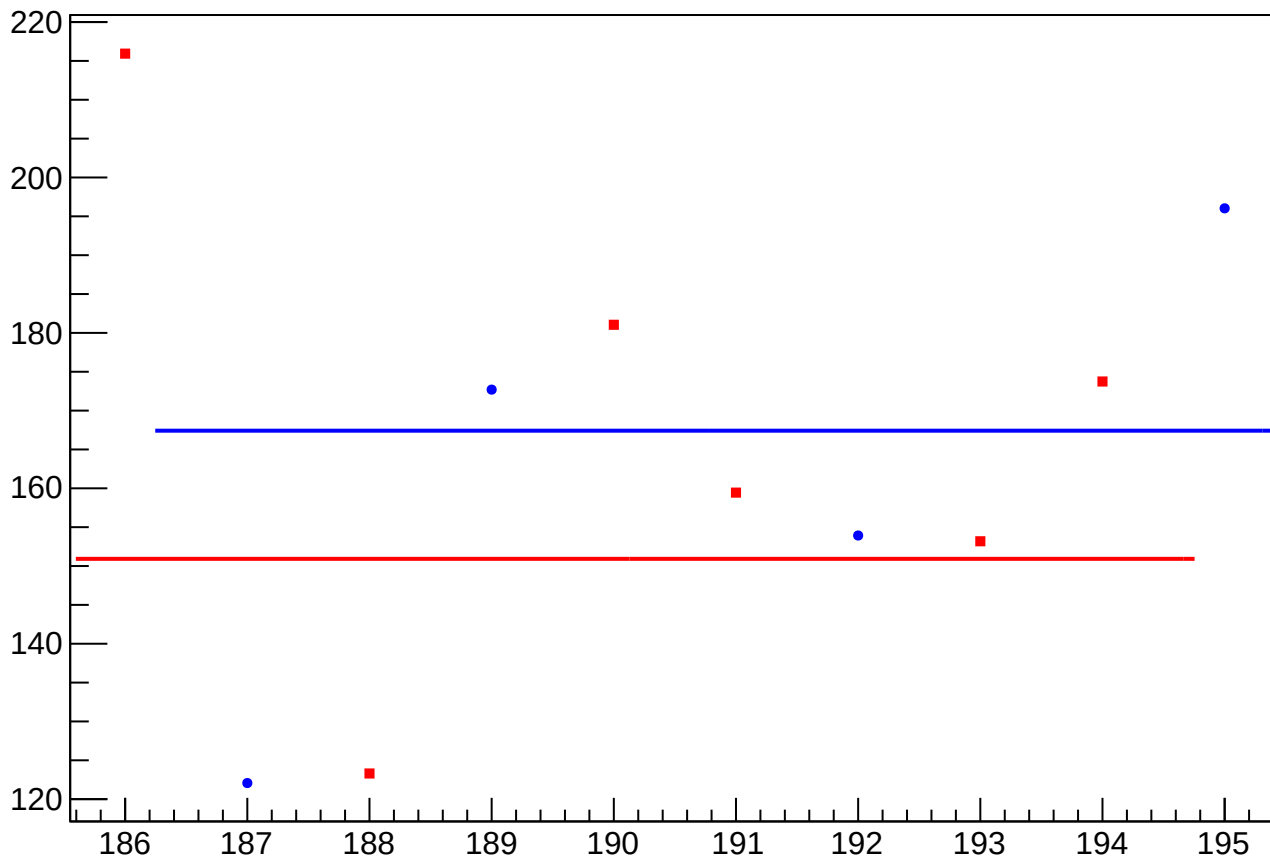
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 8.428 $\pm$ 69.399  $\chi^2$ /NDF: 9.4/9

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

# dit\_asym\_sam\_37\_dd\_rms vs Slug



Right In: 167.416 $\pm$ 0.088  $\chi^2$ /NDF: 81974.2/3

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

Right Out: 150.925 $\pm$ 0.059  $\chi^2$ /NDF: 203199.7/5

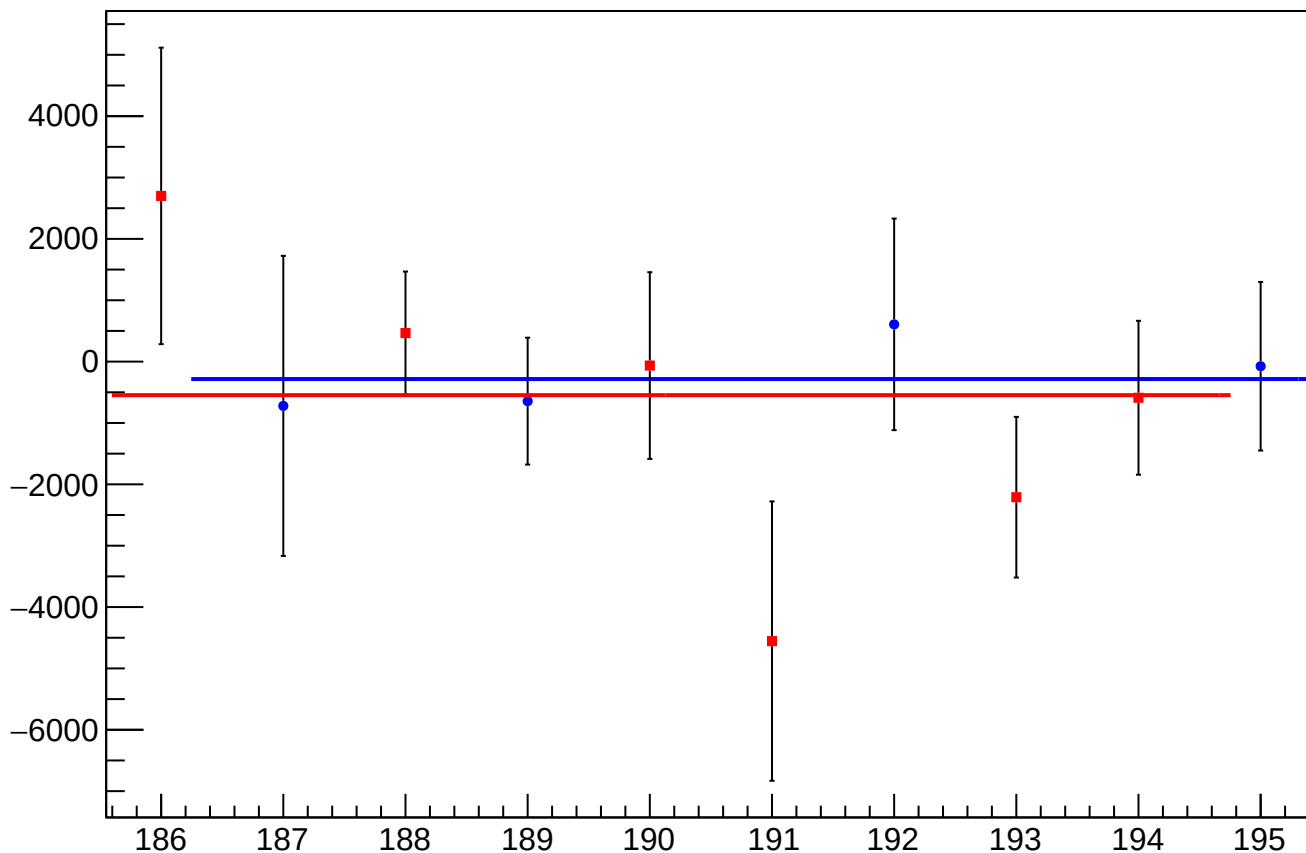
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 156.024 $\pm$ 0.049  $\chi^2$ /NDF: 309296.2/9

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

# asym\_sam\_37\_dd\_correction\_mean vs Slug



Right In: -283.880+/-712.719  $\chi^2$ /NDF: 0.4/3

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

Right Out: -546.585+/-576.367  $\chi^2$ /NDF: 7.6/5

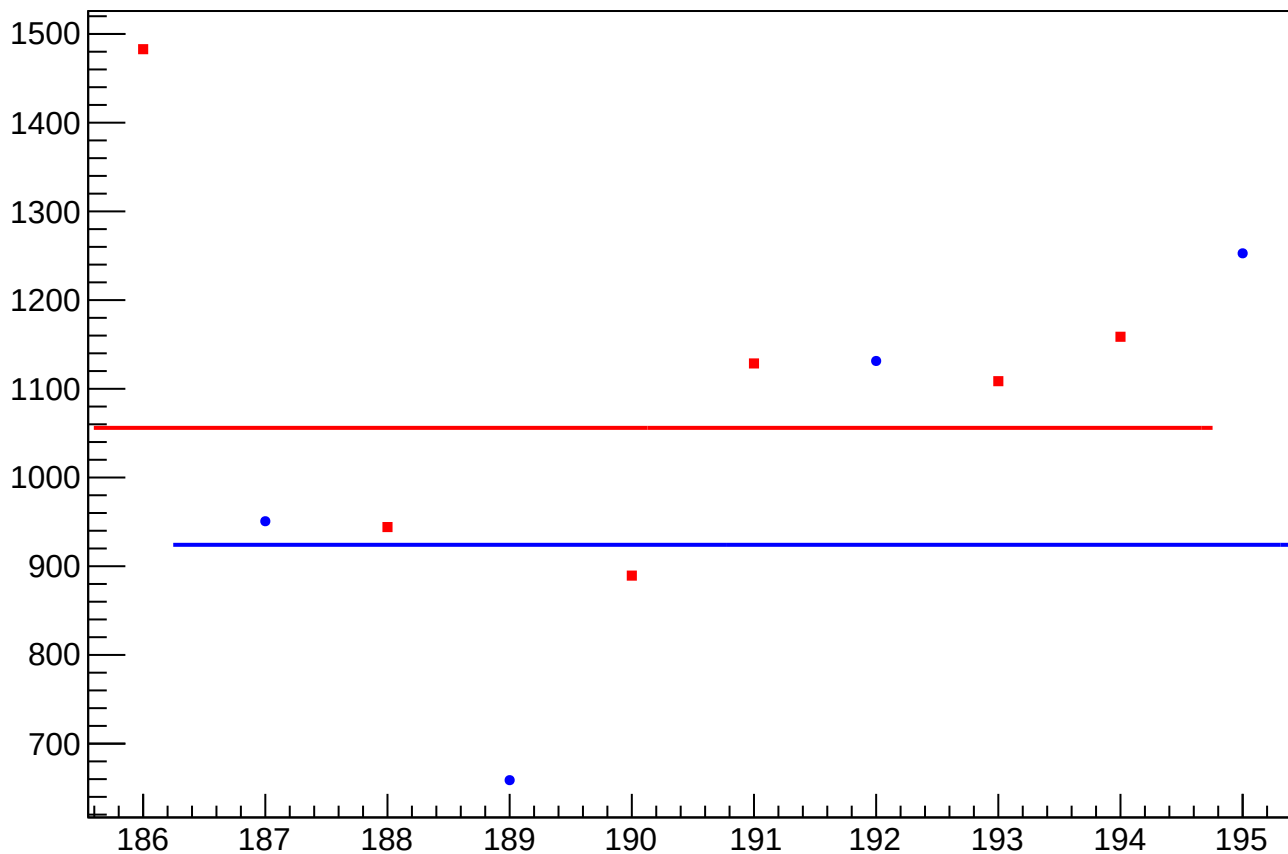
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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

All: -442.713+/-448.161  $\chi^2$ /NDF: 8.2/9

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

# asym\_sam\_37\_dd\_correction\_rms vs Slug



Right In: 924.140 $\pm$ 0.504  $\chi^2$ /NDF: 275159.0/3

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

Right Out: 1055.976 $\pm$ 0.408  $\chi^2$ /NDF: 129962.6/5

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

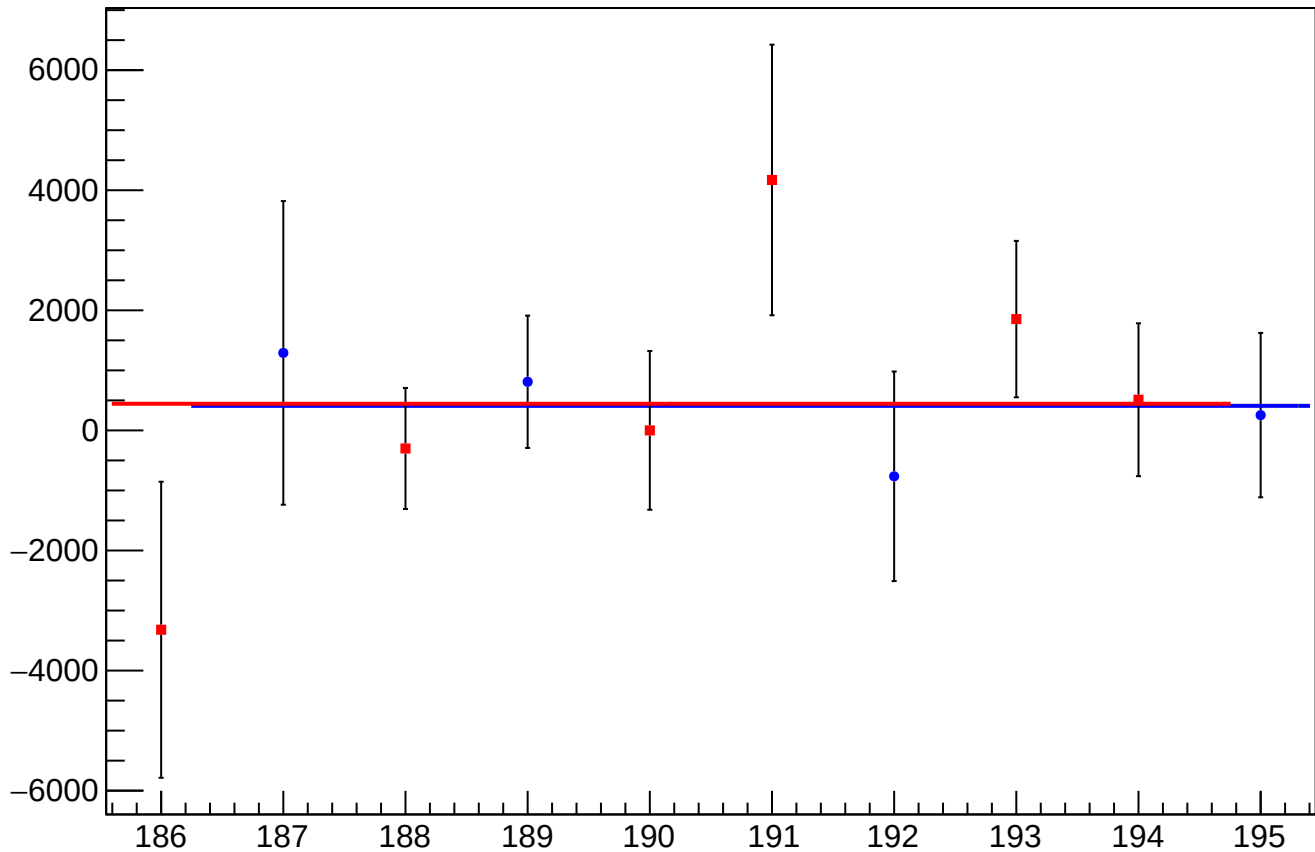
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1003.848 $\pm$ 0.317  $\chi^2$ /NDF: 446495.8/9

- 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: 443.989+/-565.645  $\chi^2/\text{NDF}$ : 6.9/5

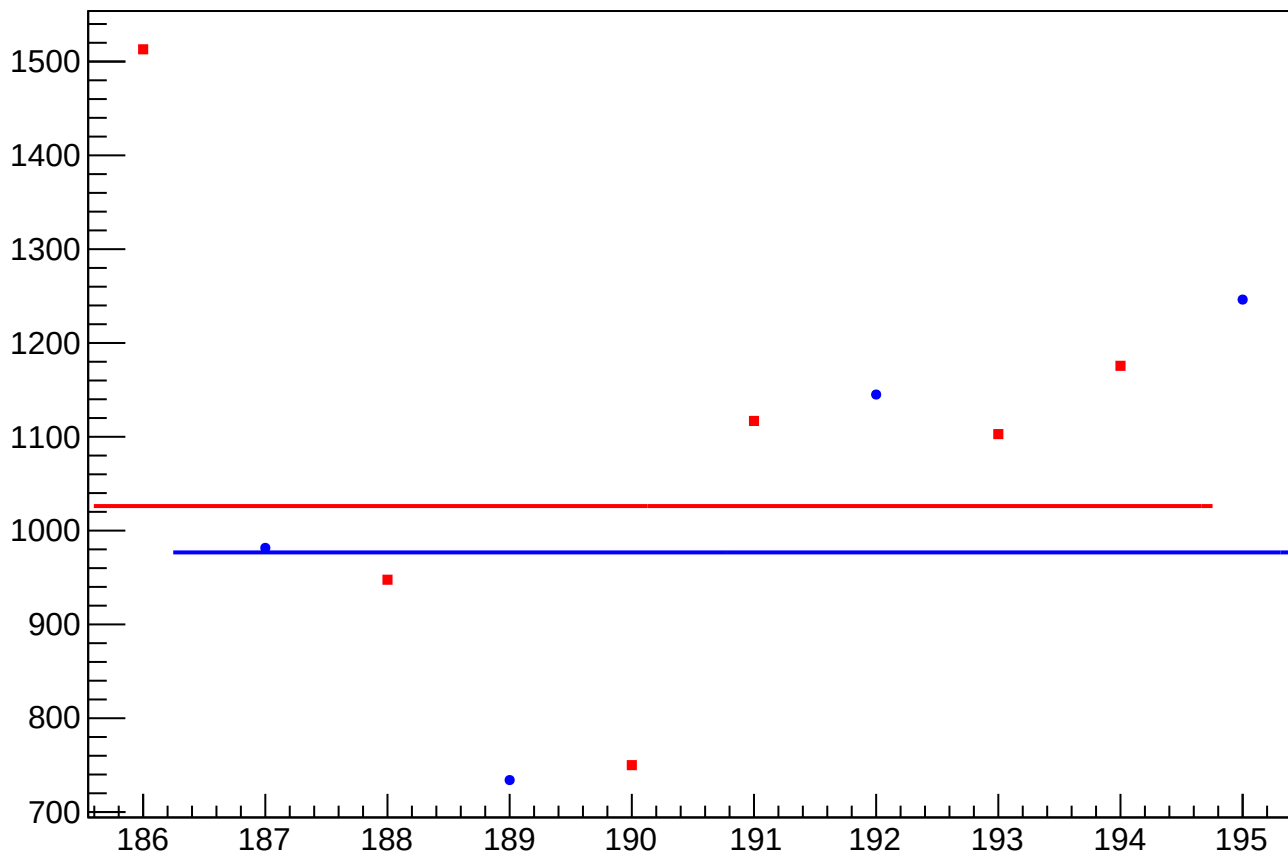
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

All: 431.144+/-448.689  $\chi^2/\text{NDF}$ : 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: 1026.160 $\pm$ 0.400  $\chi^2$ /NDF: 215248.8/5

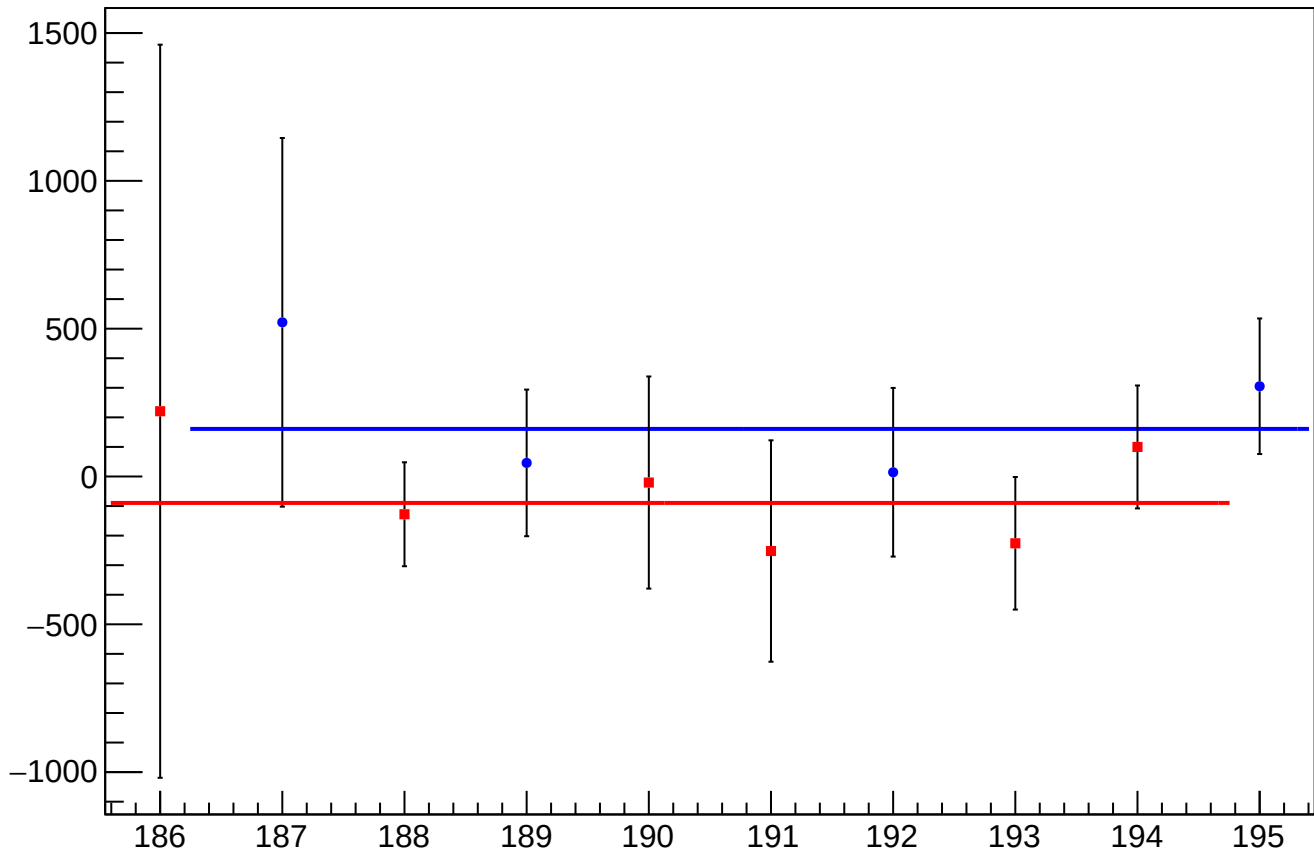
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

All: 1007.842 $\pm$ 0.317  $\chi^2$ /NDF: 414002.1/9

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

# dit\_asym\_sam\_48\_dd\_mean vs Slug



Right In: 160.960 $\pm$ 141.228  $\chi^2$ /NDF: 1.2/3

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

Right Out: -89.421 $\pm$ 104.864  $\chi^2$ /NDF: 1.5/5

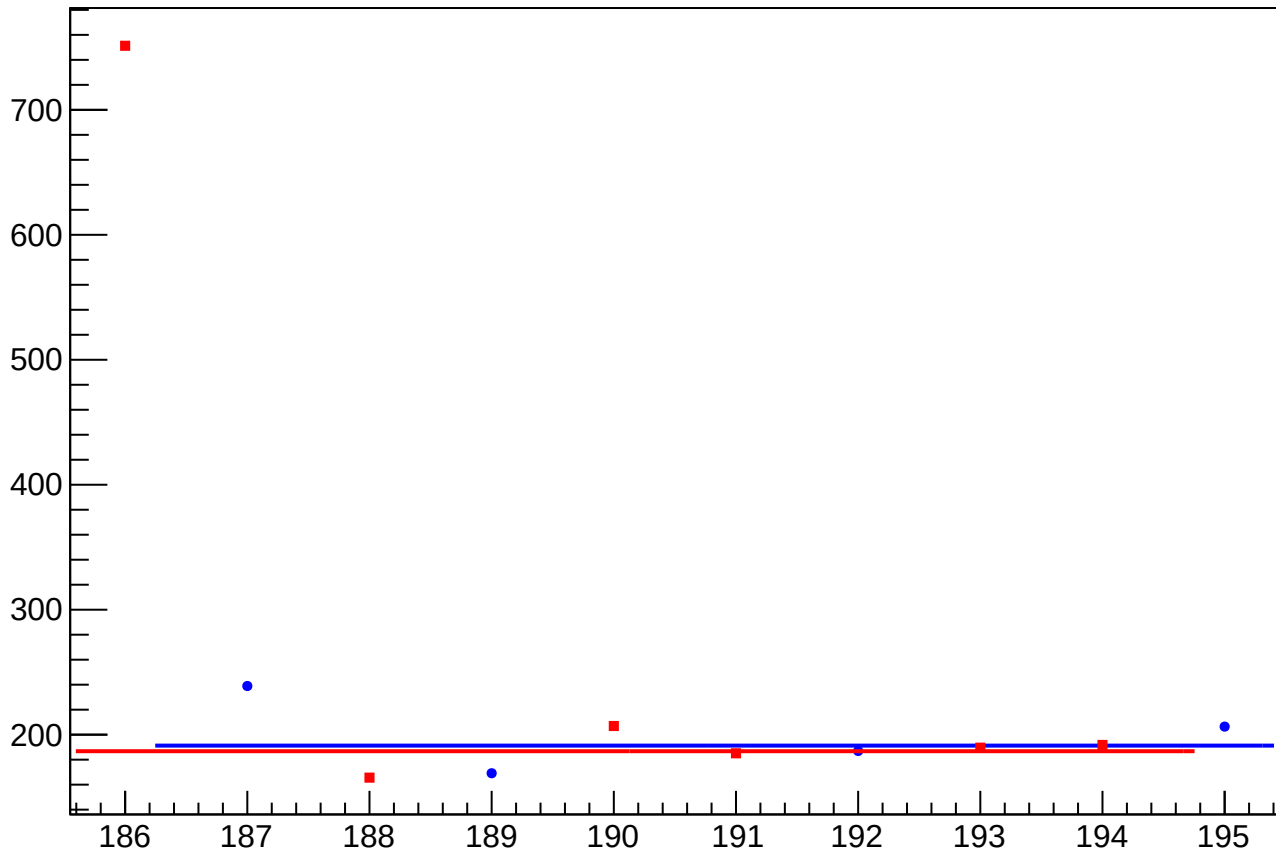
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.437 $\pm$ 84.193  $\chi^2$ /NDF: 4.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_48\_dd\_rms vs Slug



Right In: 191.247 $\pm$ 0.100  $\chi^2$ /NDF: 36838.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 186.763 $\pm$ 0.074  $\chi^2$ /NDF: 451357.9/5

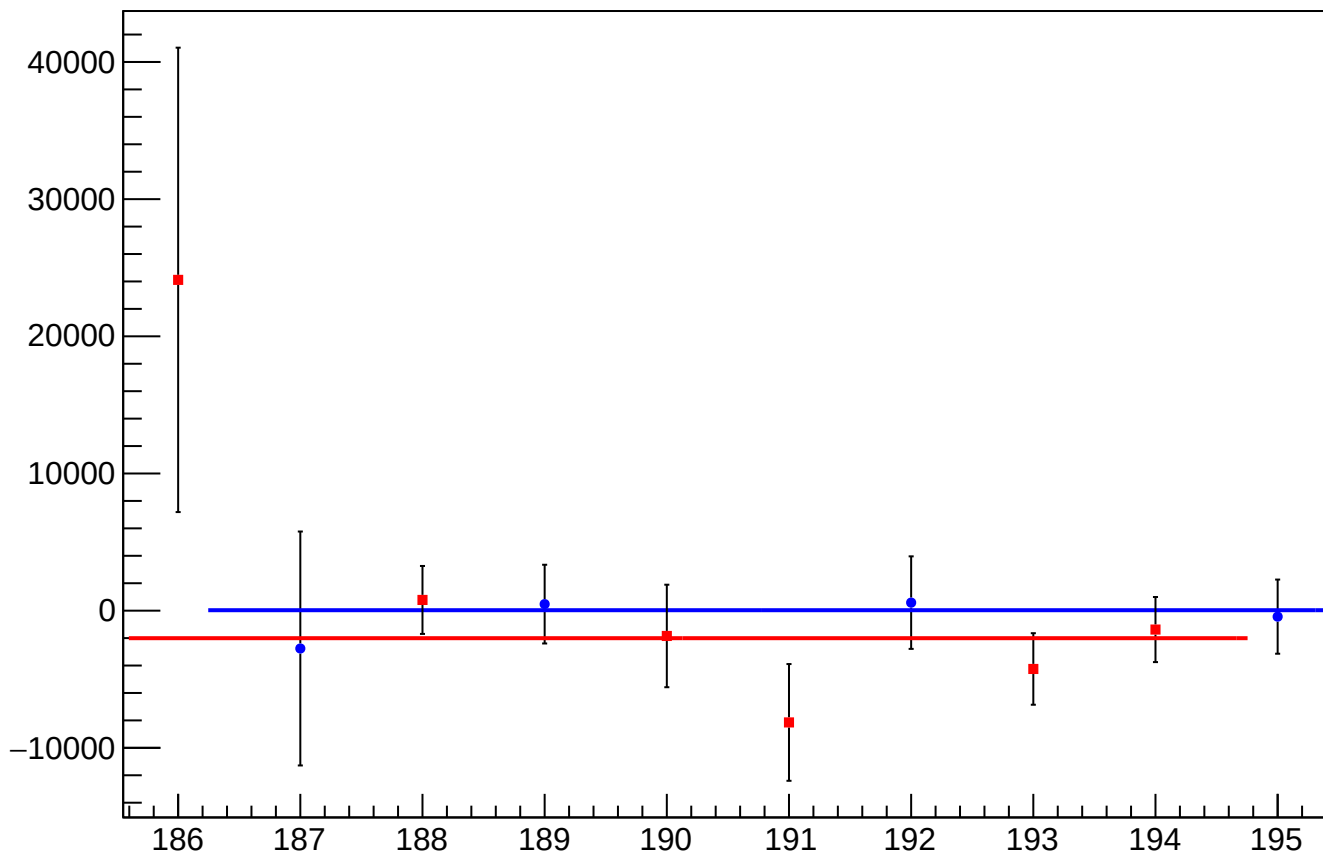
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 188.356 $\pm$ 0.060  $\chi^2$ /NDF: 489496.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_correction\_mean vs Slug



Right In: 33.261 $\pm$ 1666.826  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2006.484 $\pm$ 1272.088  $\chi^2$ /NDF: 6.5/5

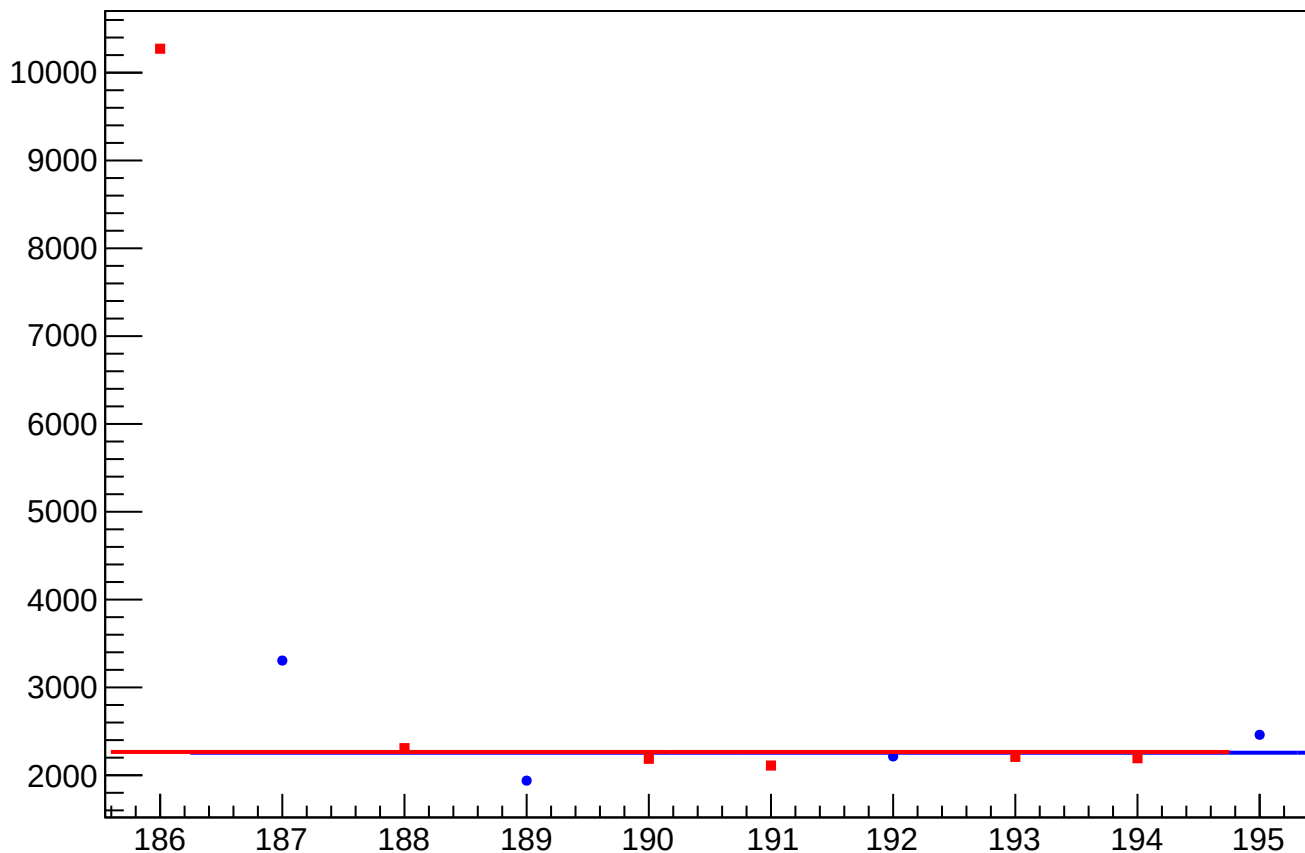
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1255.723 $\pm$ 1011.237  $\chi^2$ /NDF: 7.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_48\_dd\_correction\_rms vs Slug



Right In: 2256.557 $\pm$ 1.179  $\chi^2$ /NDF: 66518.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2265.090 $\pm$ 0.900  $\chi^2$ /NDF: 454394.9/5

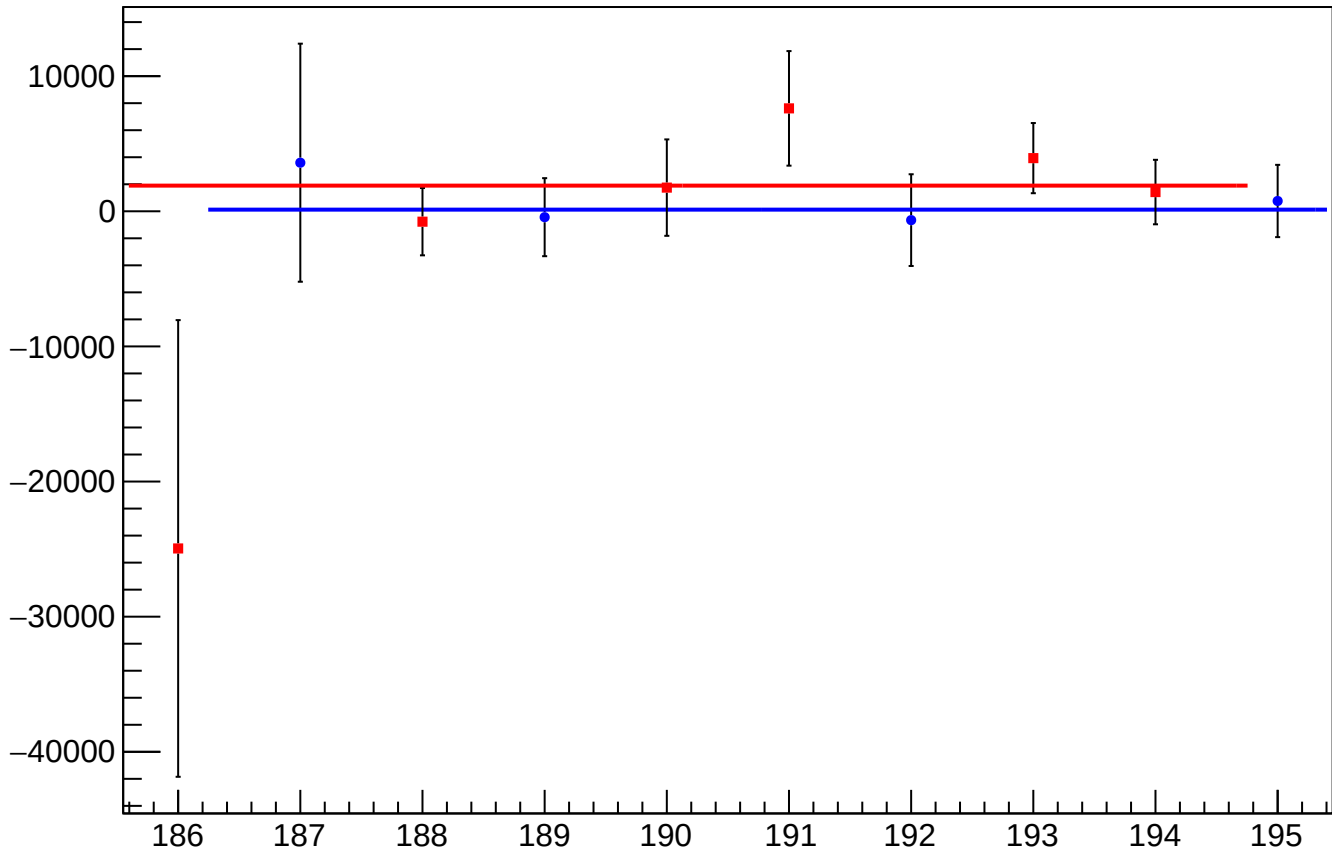
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2261.949 $\pm$ 0.715  $\chi^2$ /NDF: 520946.3/9

- 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: 1899.057 $\pm$ 1266.950  $\chi^2$ /NDF: 6.1/5

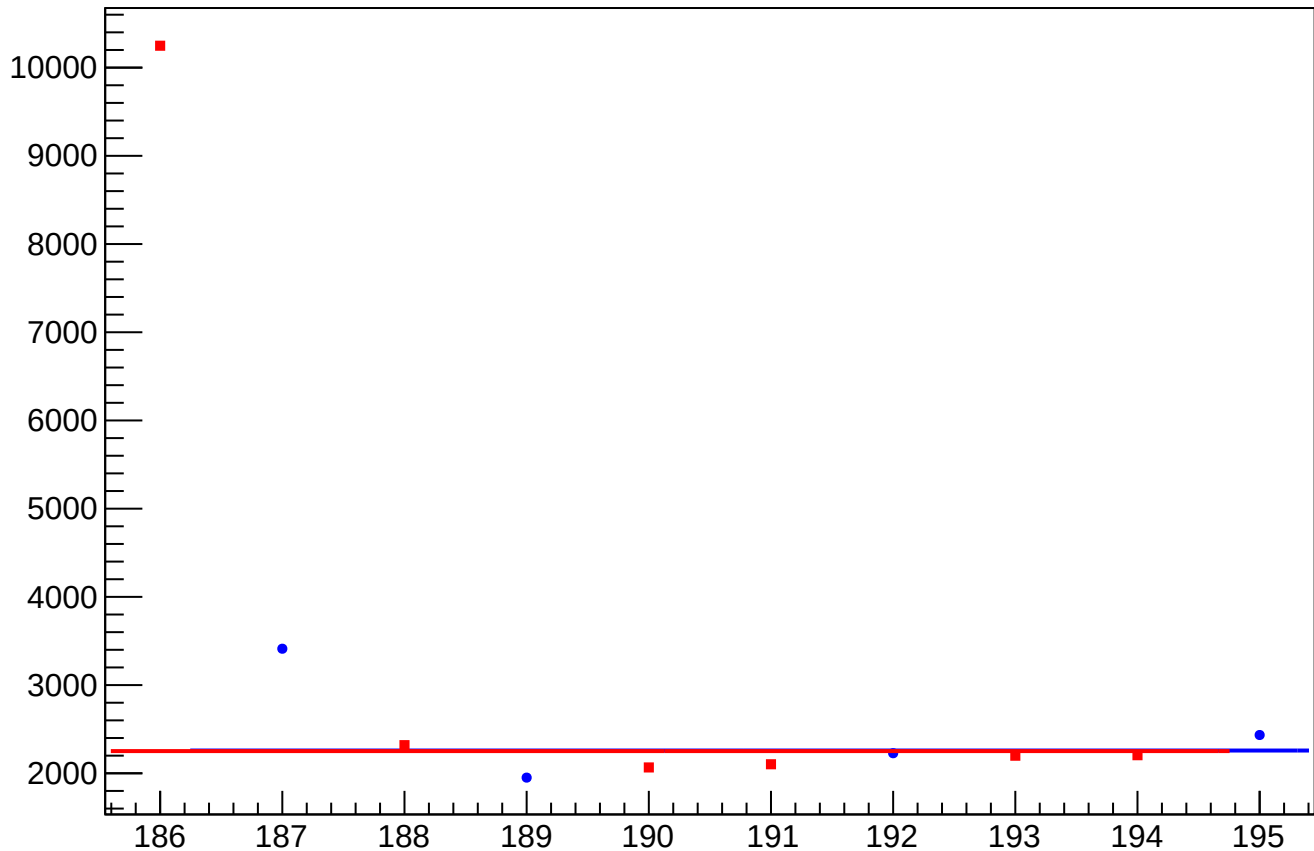
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1248.711 $\pm$ 1008.870  $\chi^2$ /NDF: 7.2/9

- 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: 2251.722+/-0.896  $\chi^2/\text{NDF}$ : 458811.3/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

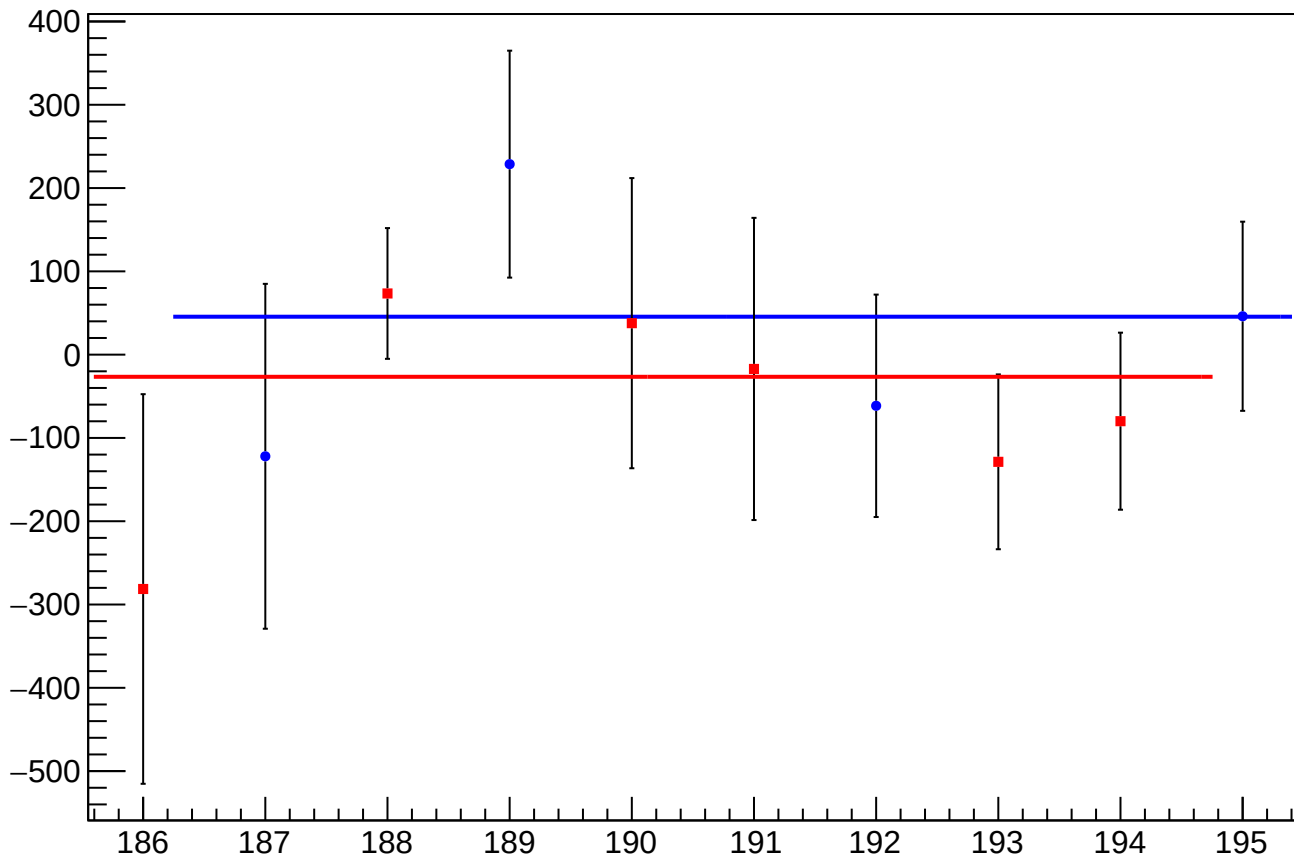
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2254.039+/-0.713  $\chi^2/\text{NDF}$ : 524619.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_asym\_sam\_13\_57\_dd\_mean vs Slug



Right In: 45.549+/-68.865  $\chi^2/\text{NDF}$ : 3.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -26.592+/-48.607  $\chi^2/\text{NDF}$ : 4.1/5

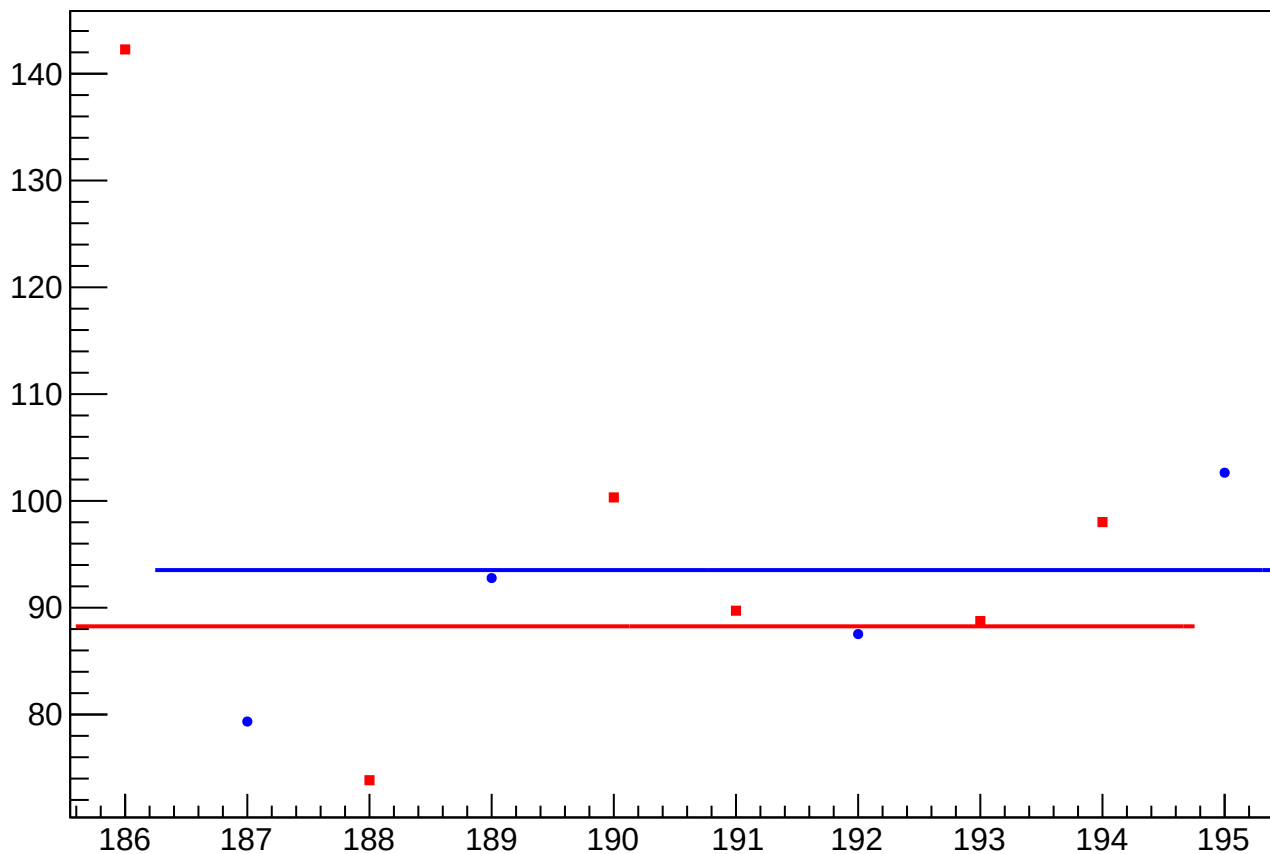
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.603+/-39.711  $\chi^2/\text{NDF}$ : 8.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_13\_57\_dd\_rms vs Slug



Right In: 93.523+/-0.049  $\chi^2/\text{NDF}$ : 26367.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 88.258+/-0.034  $\chi^2/\text{NDF}$ : 200715.9/5

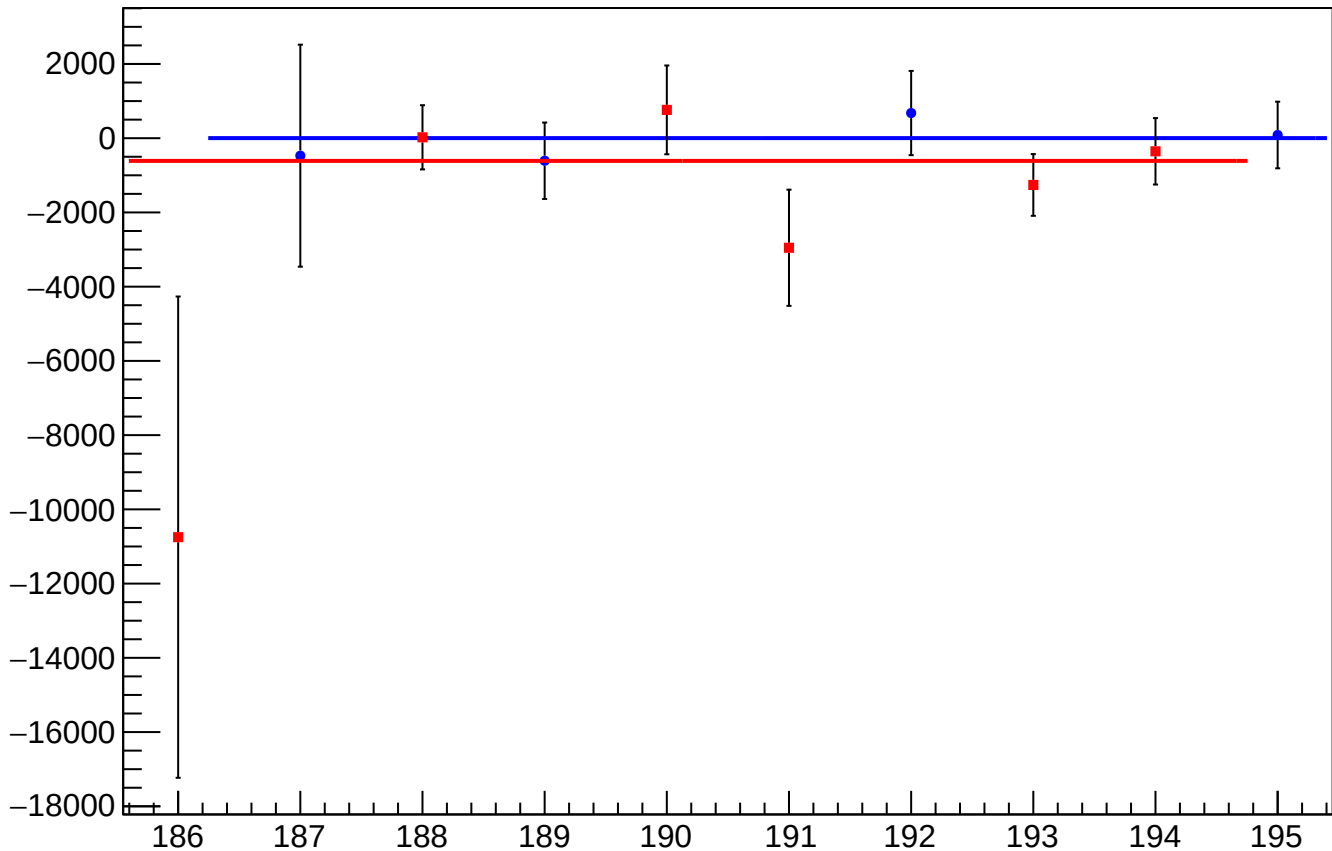
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 90.009+/-0.028  $\chi^2/\text{NDF}$ : 234887.1/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_13\_57\_dd\_correction\_mean vs Slug



Right In: 2.272 $\pm$ 570.312  $\chi^2$ /NDF: 0.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -611.598 $\pm$ 440.196  $\chi^2$ /NDF: 7.2/5

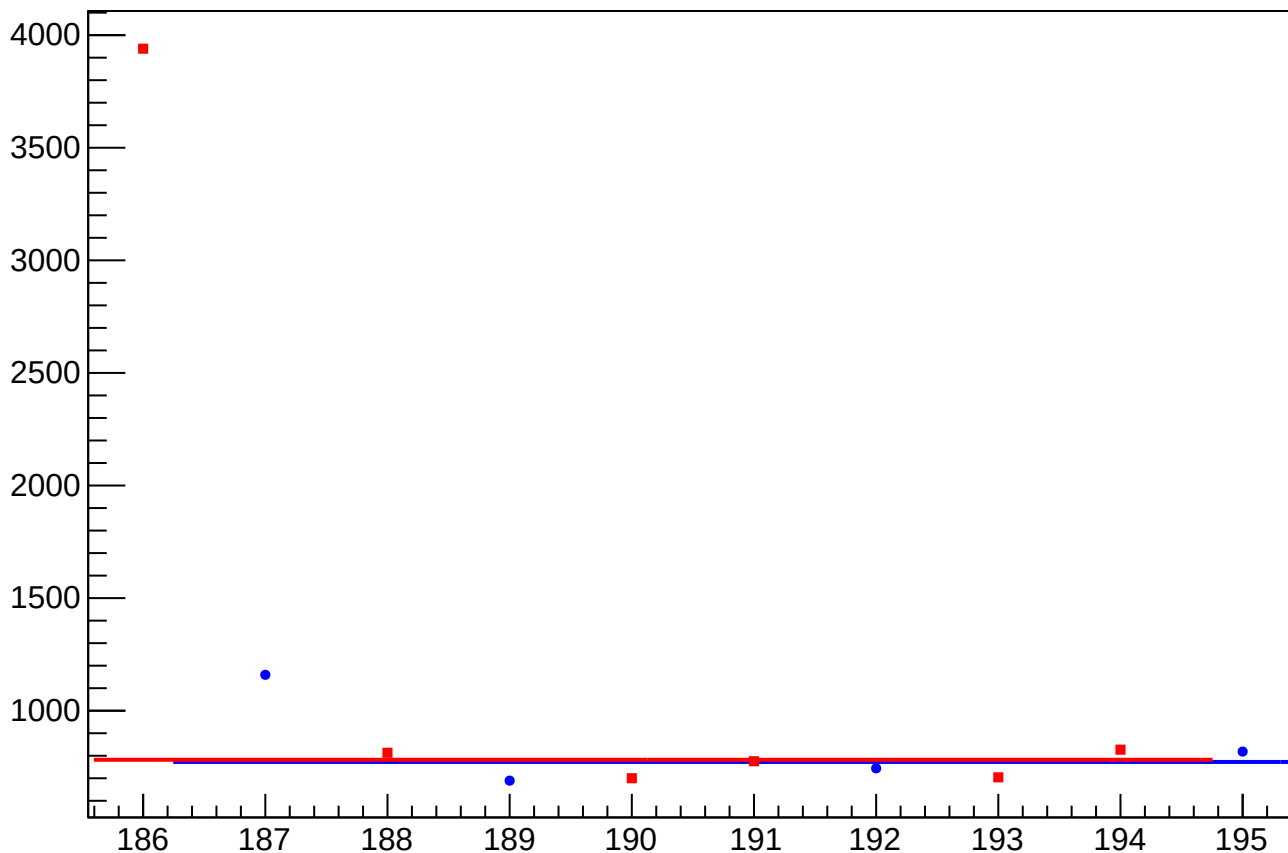
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -382.418 $\pm$ 348.468  $\chi^2$ /NDF: 8.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_13\_57\_dd\_correction\_rms vs Slug



Right In: 772.491 $\pm$ 0.403  $\chi^2$ /NDF: 53001.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 782.185 $\pm$ 0.311  $\chi^2$ /NDF: 509084.9/5

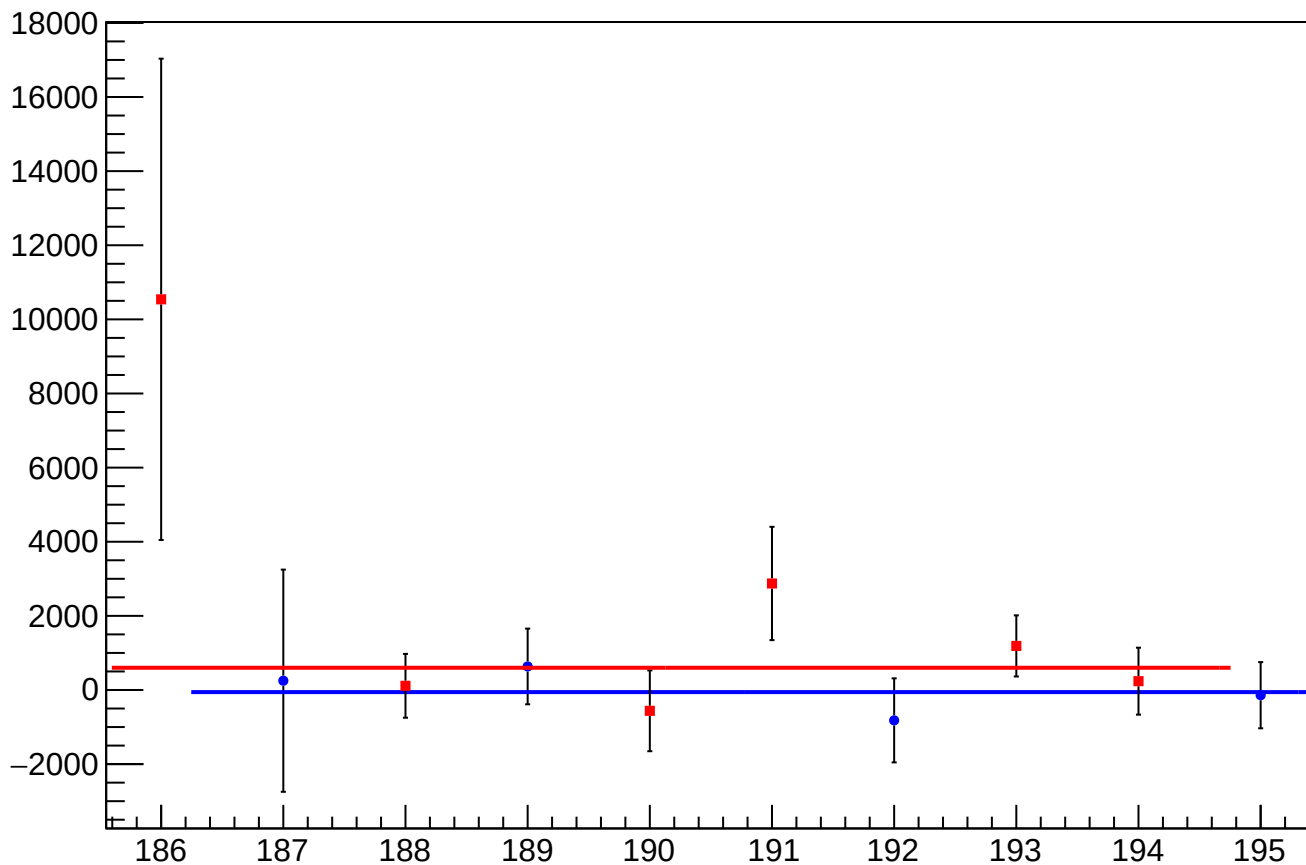
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 778.566 $\pm$ 0.246  $\chi^2$ /NDF: 562448.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 599.564 $\pm$ 432.786  $\chi^2$ /NDF: 6.7/5

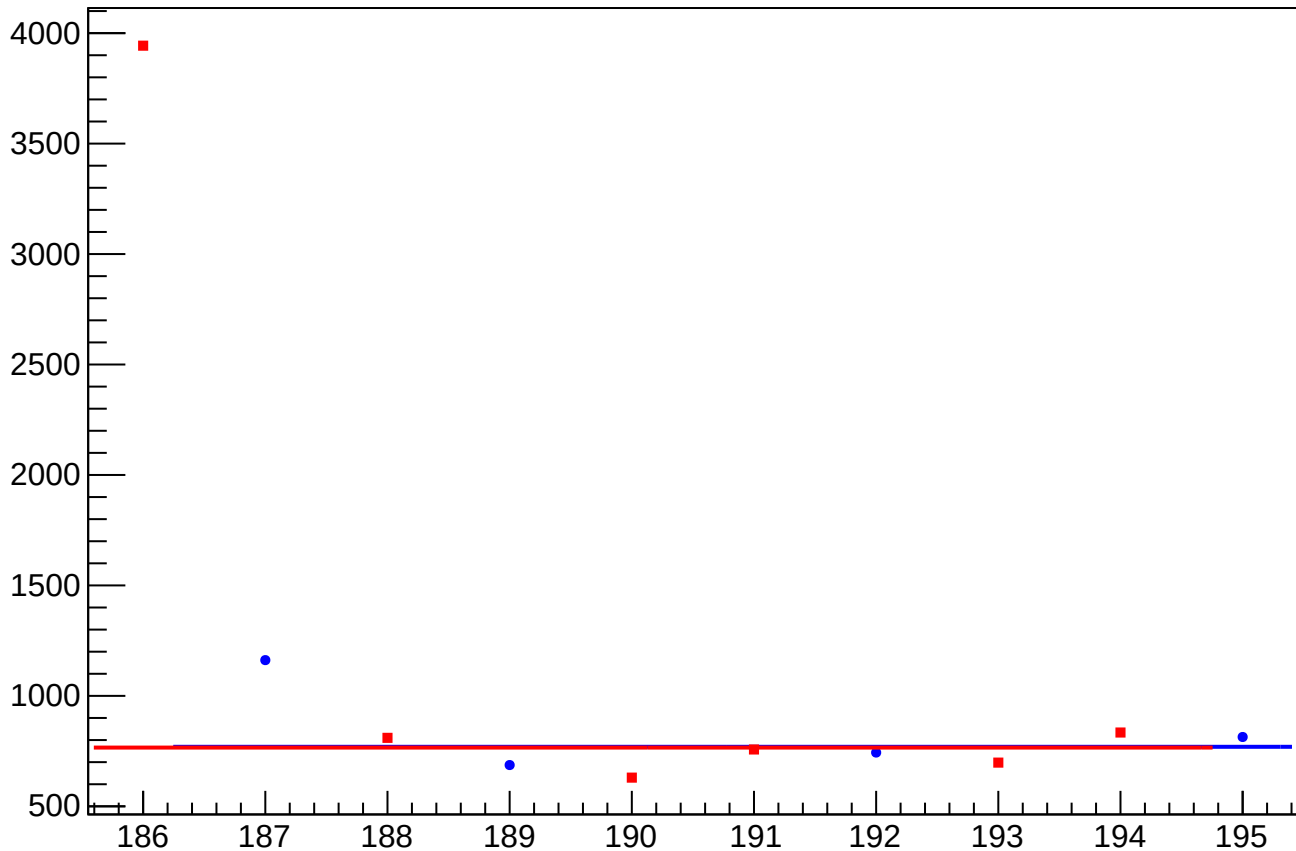
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 358.220 $\pm$ 344.203  $\chi^2$ /NDF: 8.5/9

- 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: 765.936 $\pm$ 0.306  $\chi^2$ /NDF: 540350.1/5

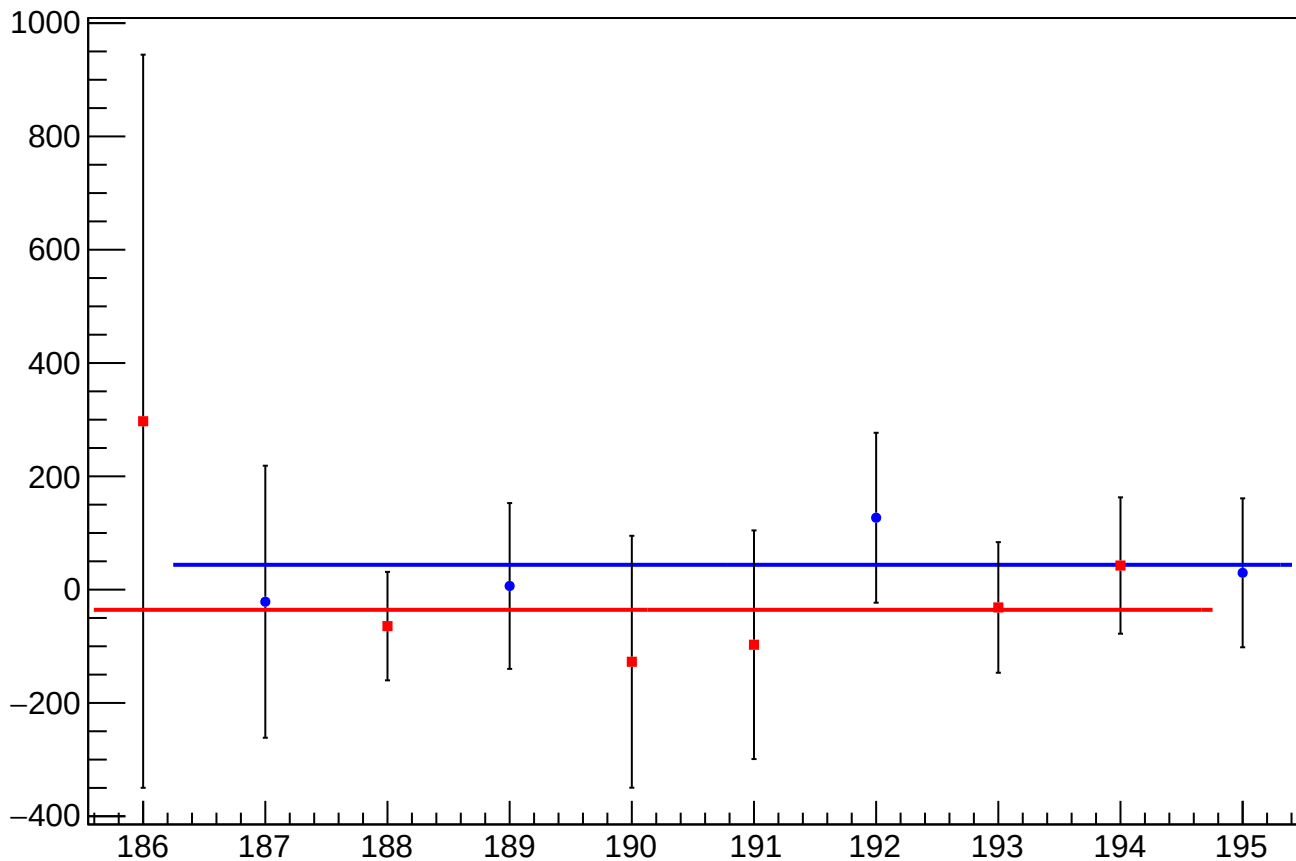
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 767.228 $\pm$ 0.243  $\chi^2$ /NDF: 593746.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_37\_dd\_mean vs Slug



Right In: 43.827 $\pm$ 77.522  $\chi^2$ /NDF: 0.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -35.614 $\pm$ 57.673  $\chi^2$ /NDF: 1.0/5

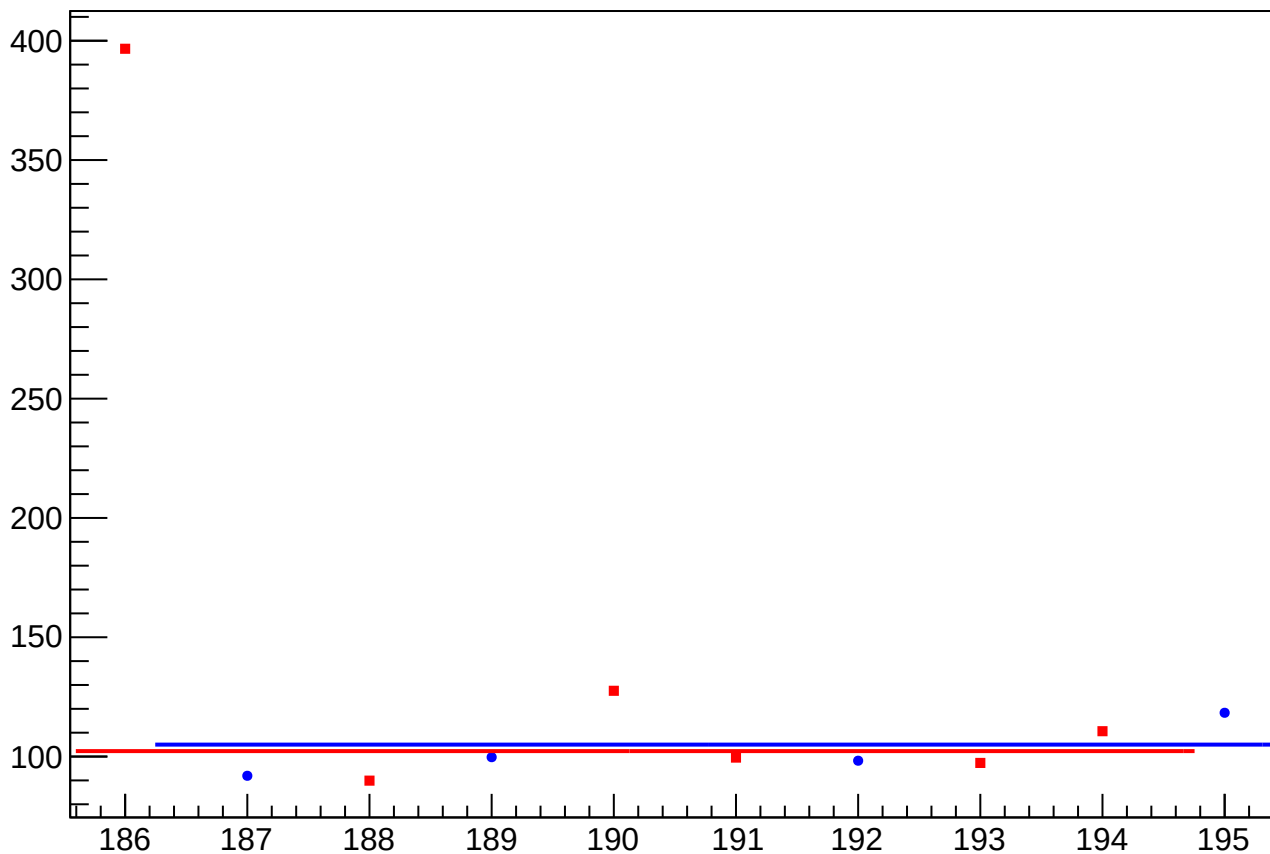
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.311 $\pm$ 46.272  $\chi^2$ /NDF: 2.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_37\_dd\_rms vs Slug



Right In: 105.005 $\pm$ 0.055  $\chi^2$ /NDF: 33174.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 102.283 $\pm$ 0.041  $\chi^2$ /NDF: 486866.8/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

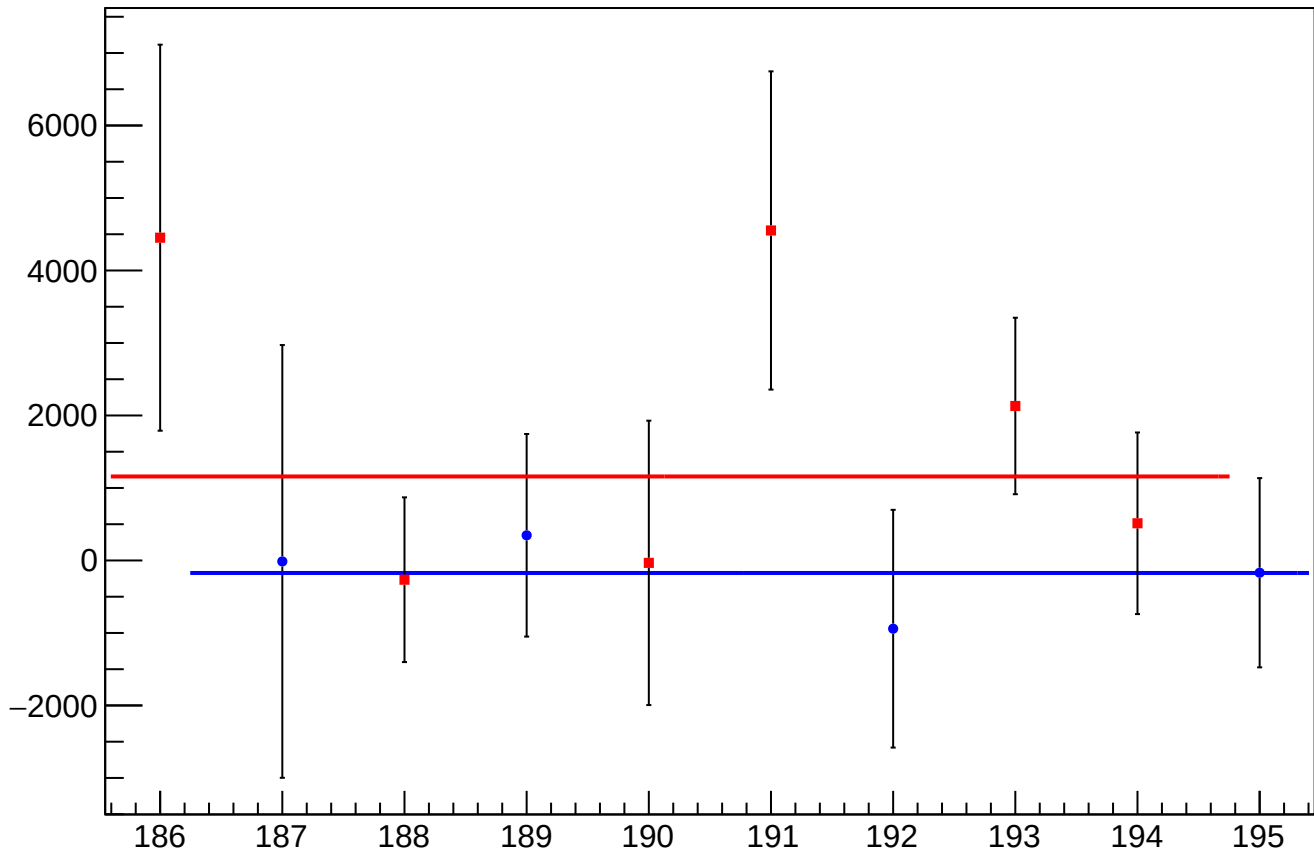
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 103.253 $\pm$ 0.033  $\chi^2$ /NDF: 521628.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_15\_37\_dd\_correction\_mean vs Slug



Right In: -172.511+/-794.726  $\chi^2/\text{NDF}$ : 0.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1158.848+/-609.055  $\chi^2/\text{NDF}$ : 6.8/5

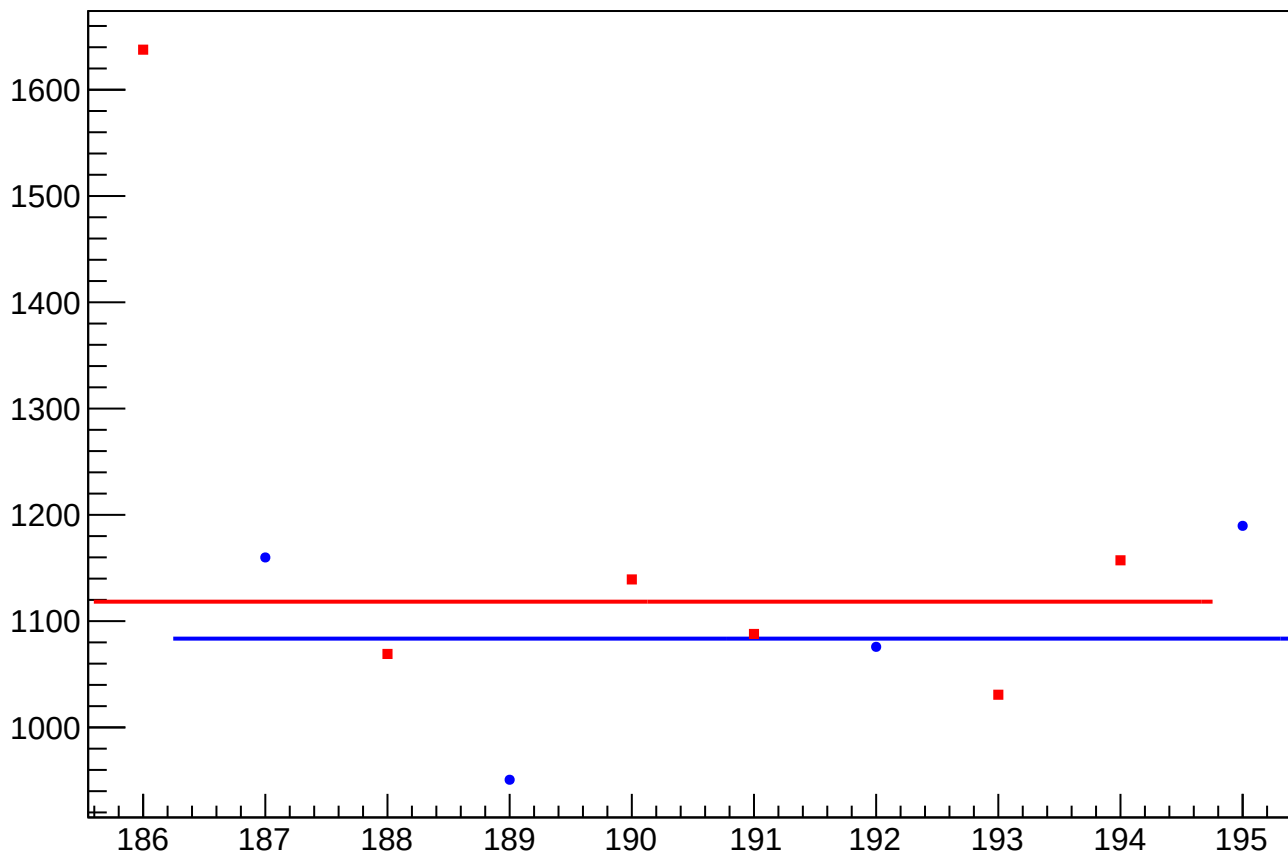
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 666.233+/-483.419  $\chi^2/\text{NDF}$ : 8.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_37\_dd\_correction\_rms vs Slug



Right In: 1083.535 $\pm$ 0.562  $\chi^2$ /NDF: 32637.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1118.310 $\pm$ 0.431  $\chi^2$ /NDF: 92746.0/5

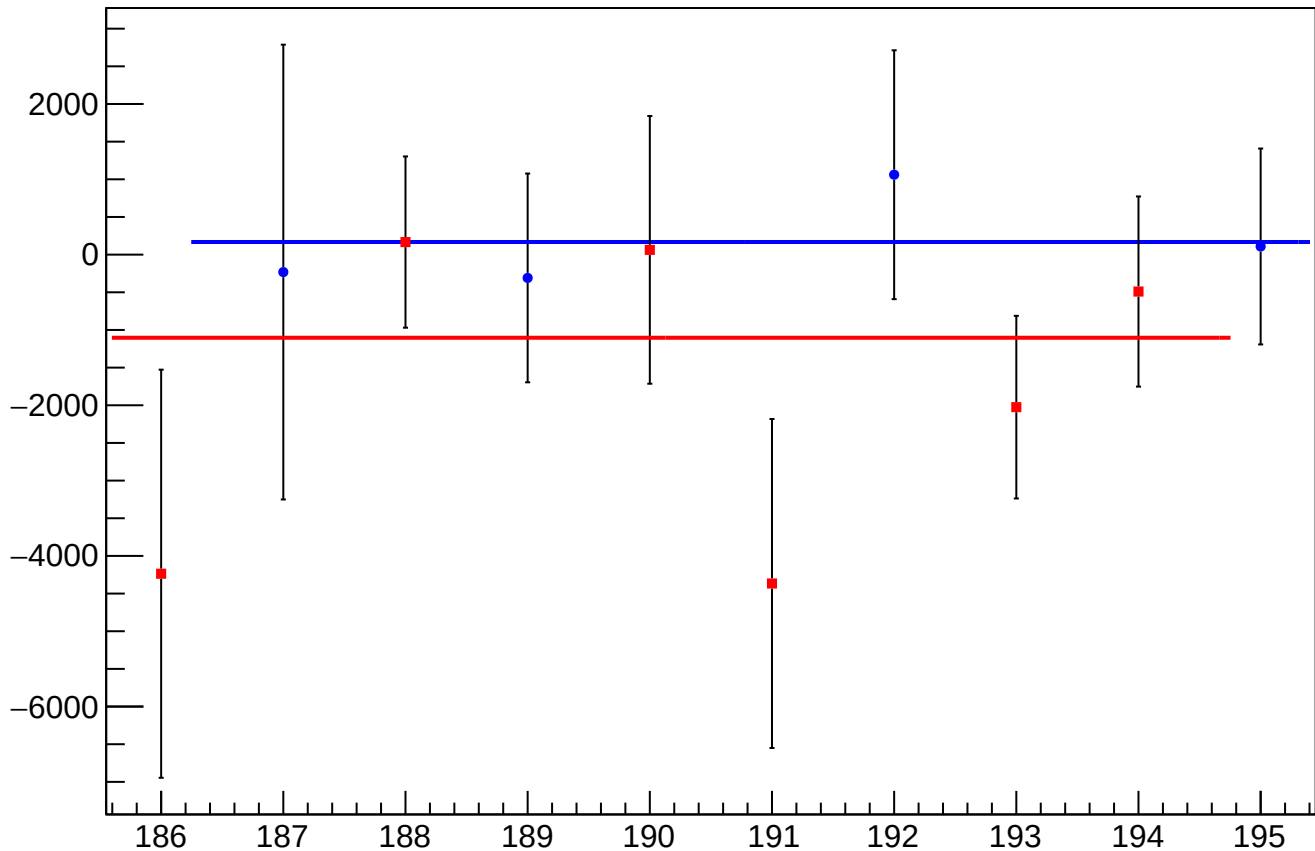
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1105.443 $\pm$ 0.342  $\chi^2$ /NDF: 127795.9/9

- 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: -1103.516 $\pm$ -603.658  $\chi^2$ /NDF: 6.1/5

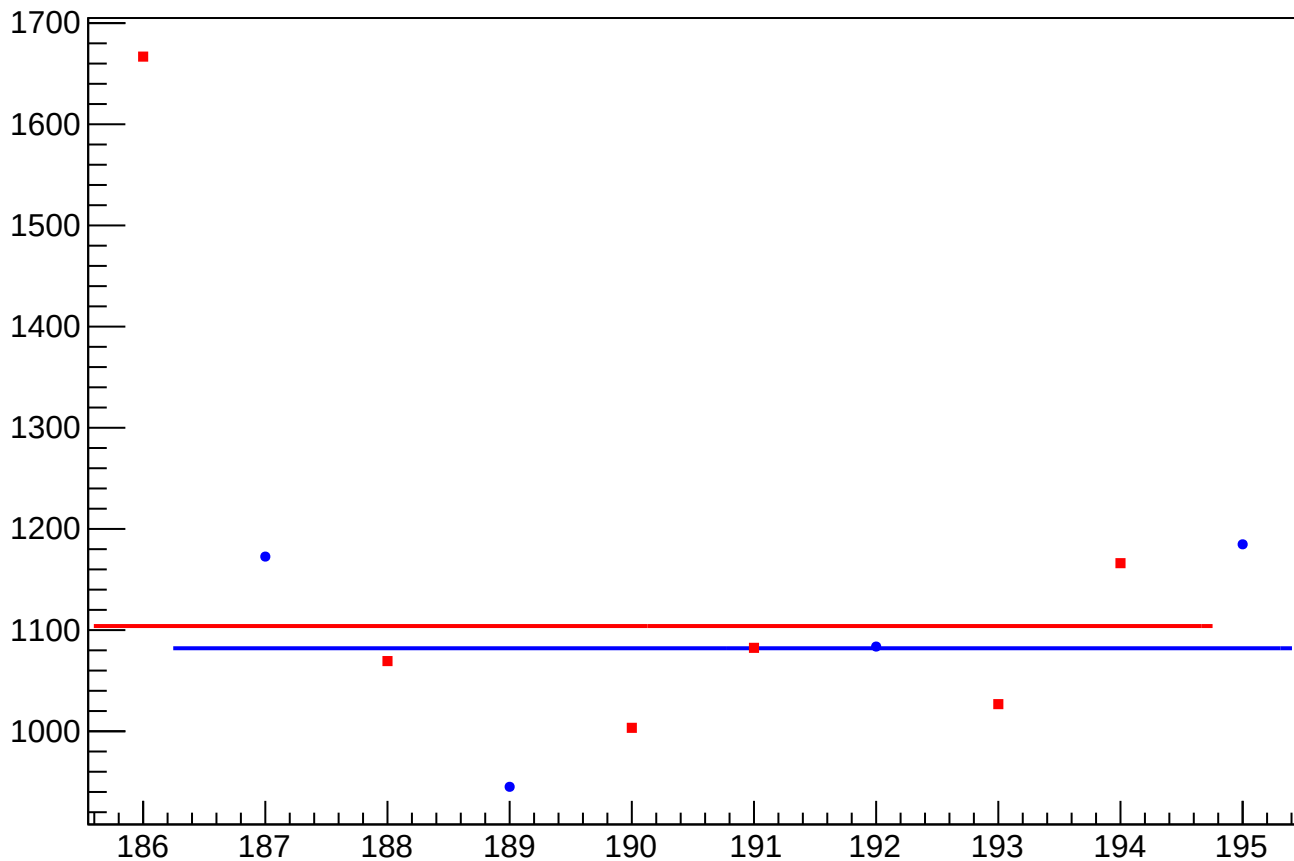
Left In: 0.000 $\pm$ -0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ -0.000  $\chi^2$ /NDF: 0.0/0

All: -637.573 $\pm$ -480.446  $\chi^2$ /NDF: 8.1/9

- 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: 1104.015 $\pm$ 0.427  $\chi^2$ /NDF: 107734.3/5

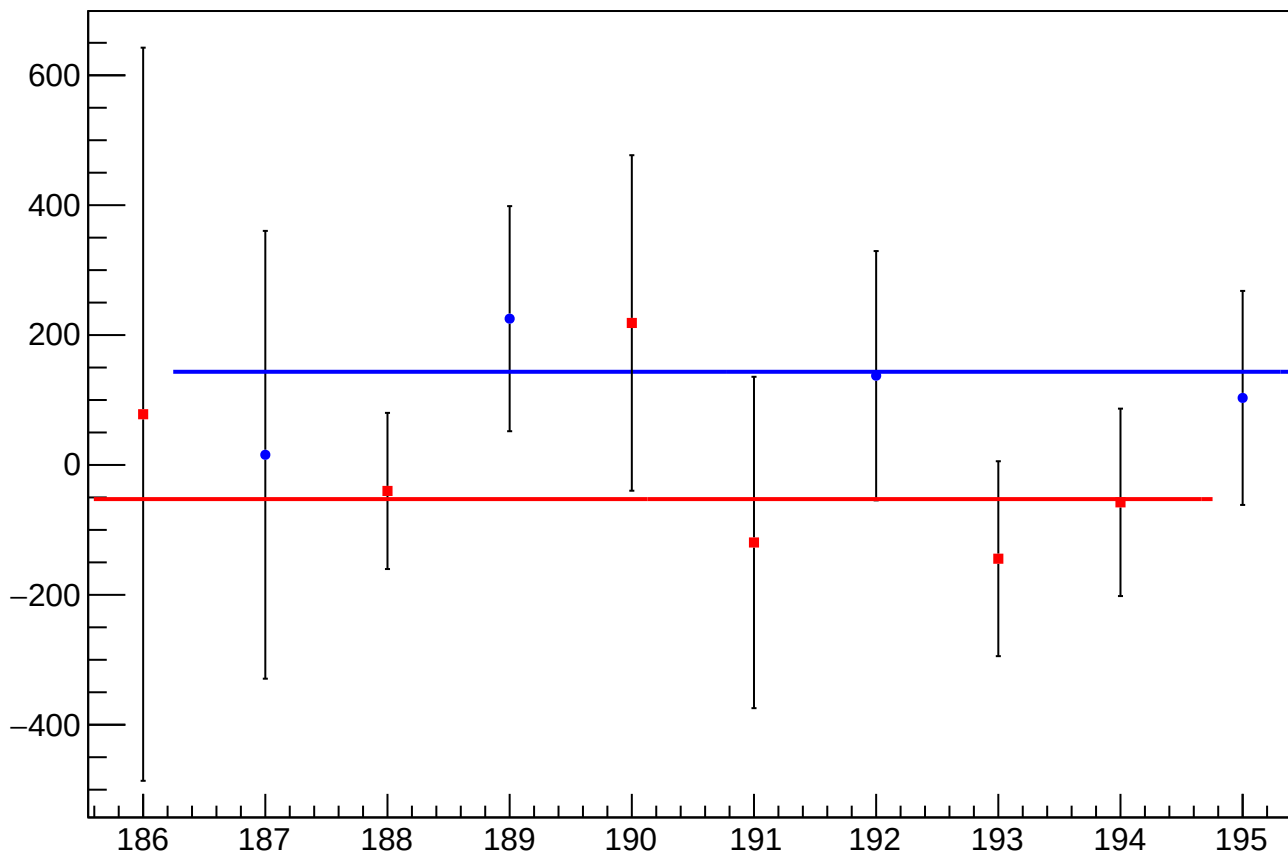
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1095.966 $\pm$ 0.340  $\chi^2$ /NDF: 142521.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_24\_68\_dd\_mean vs Slug



Right In: 143.473 $\pm$ 97.270  $\chi^2/\text{NDF}$ : 0.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -52.565 $\pm$ 71.589  $\chi^2/\text{NDF}$ : 1.6/5

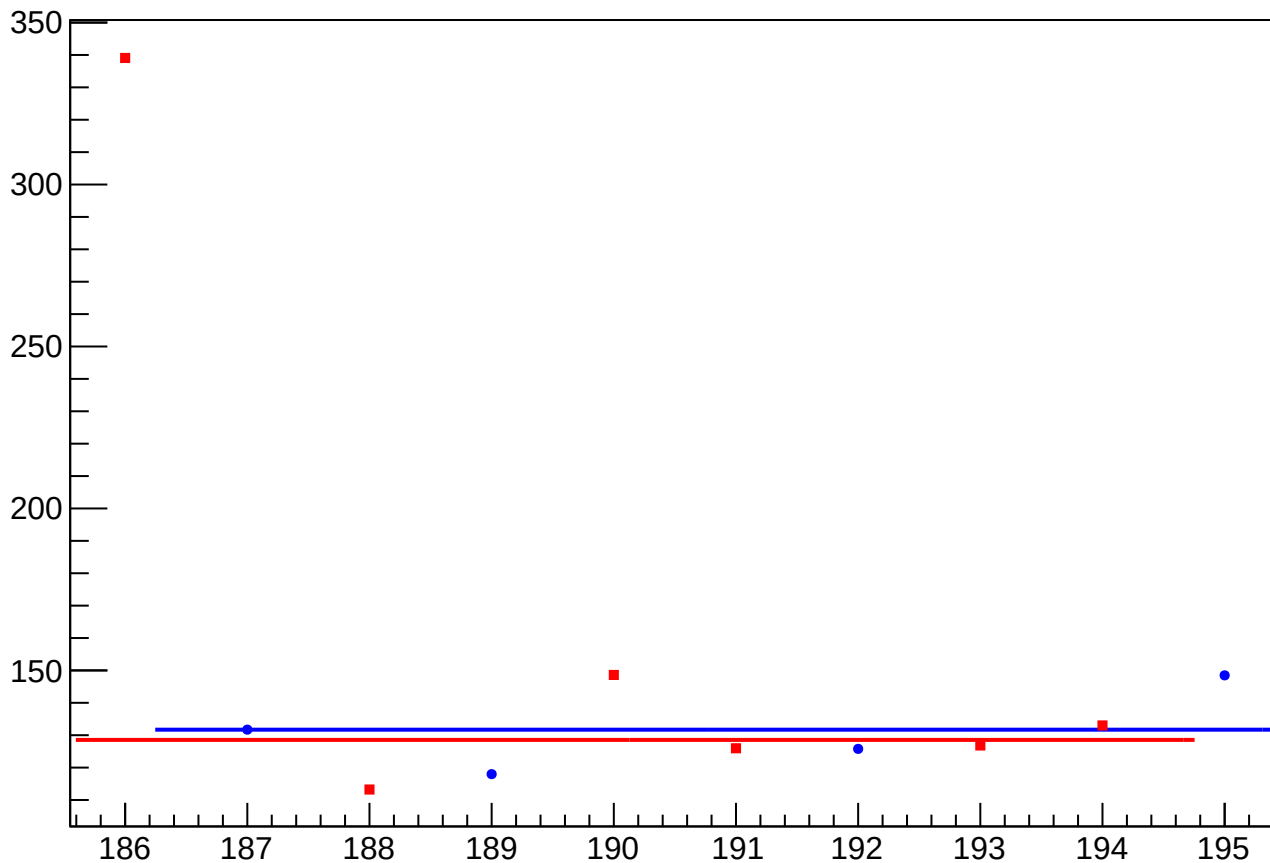
Left In: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 16.314 $\pm$ 57.657  $\chi^2/\text{NDF}$ : 4.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_24\_68\_dd\_rms vs Slug



Right In: 131.706 $\pm$ 0.069  $\chi^2$ /NDF: 35169.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 128.548 $\pm$ 0.051  $\chi^2$ /NDF: 325159.4/5

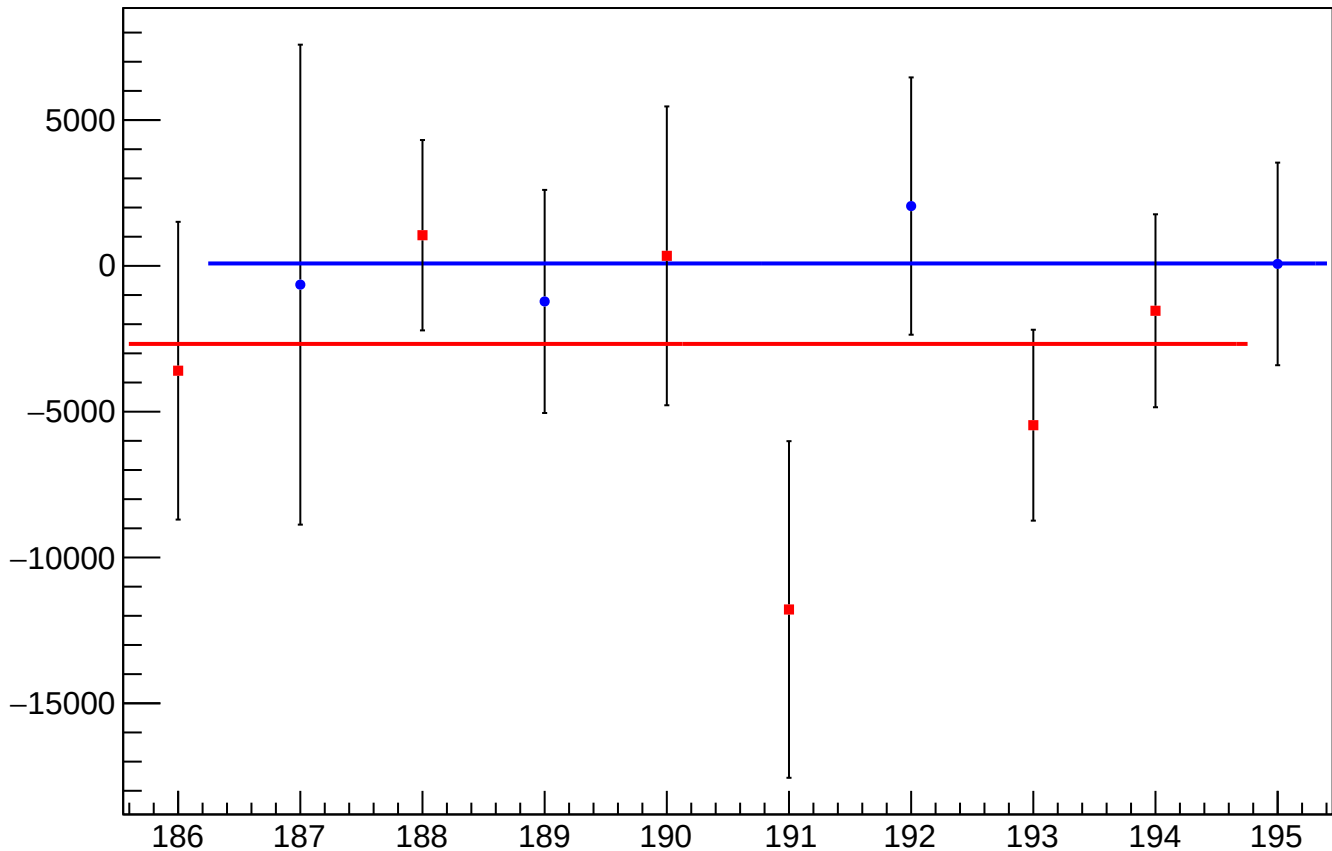
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 129.658 $\pm$ 0.041  $\chi^2$ /NDF: 361695.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_24\_68\_dd\_correction\_mean vs Slug



Right In: 82.823+/-2144.887  $\chi^2/\text{NDF}$ : 0.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2676.169+/-1611.558  $\chi^2/\text{NDF}$ : 5.0/5

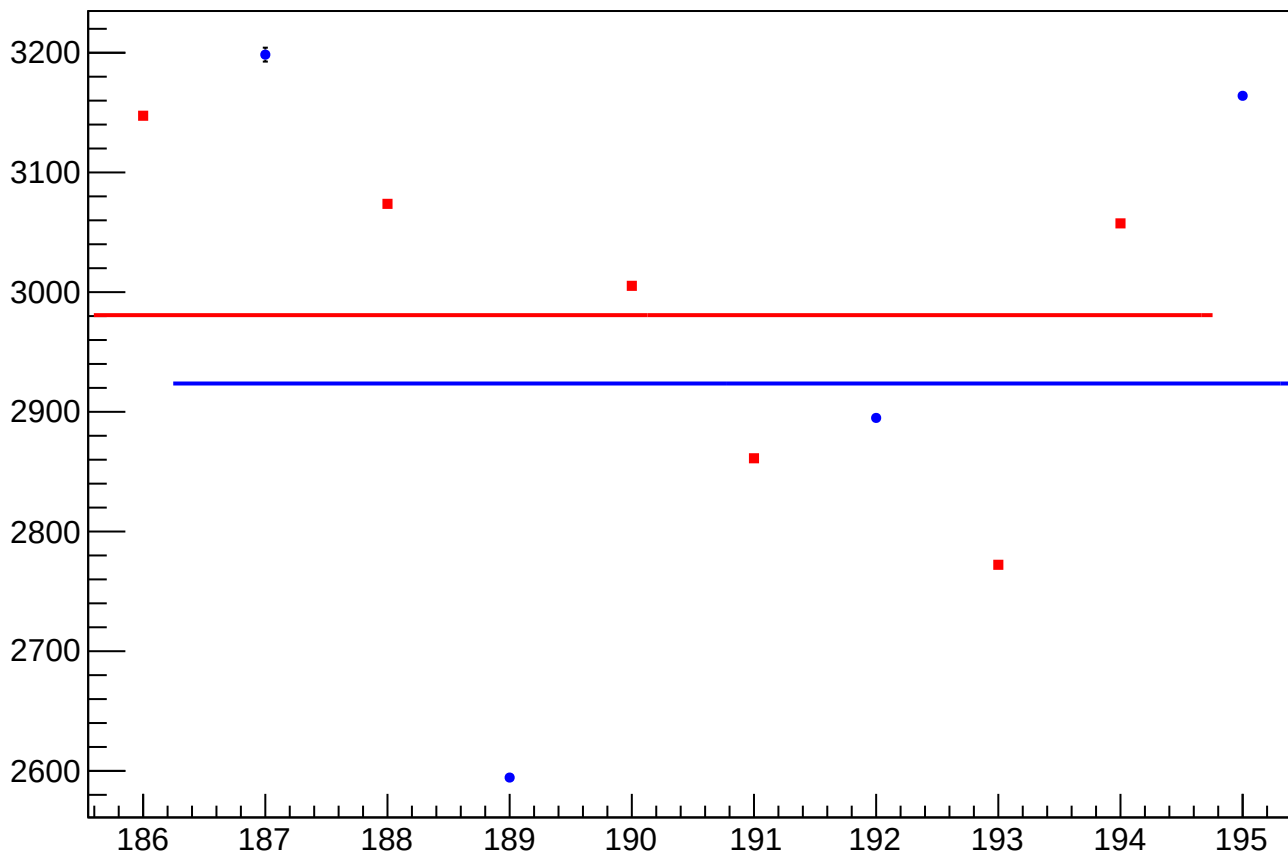
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1680.647+/-1288.412  $\chi^2/\text{NDF}$ : 6.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_24\_68\_dd\_correction\_rms vs Slug



Right In: 2923.666 $\pm$ 1.517  $\chi^2$ /NDF: 26707.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2980.779 $\pm$ 1.140  $\chi^2$ /NDF: 13852.5/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

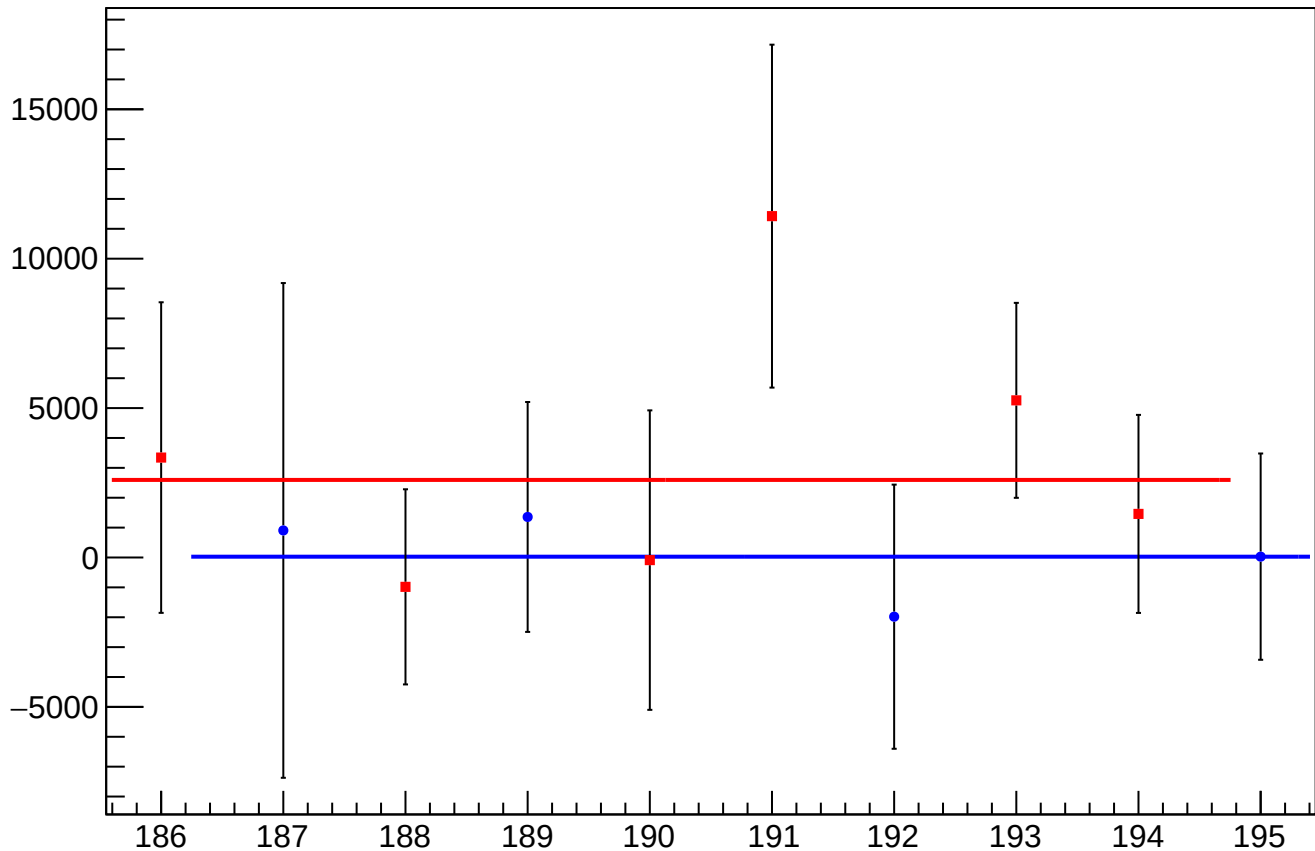
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2960.171 $\pm$ 0.911  $\chi^2$ /NDF: 41466.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 2595.925 $\pm$ 1609.507  $\chi^2$ /NDF: 4.7/5

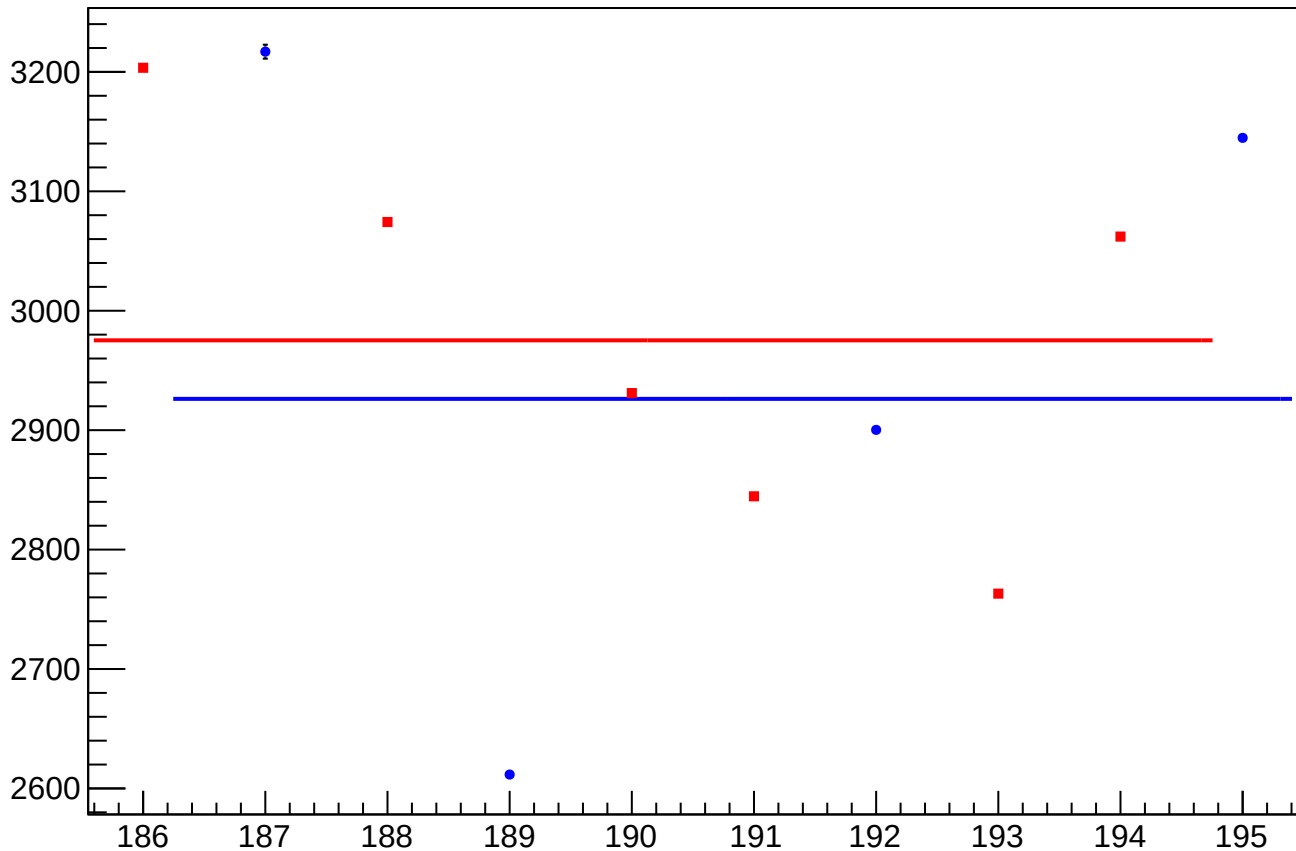
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1670.735 $\pm$ 1287.464  $\chi^2$ /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+/-1.517  $\chi^2/\text{NDF}$ : 23926.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2975.219+/-1.138  $\chi^2/\text{NDF}$ : 16718.6/5

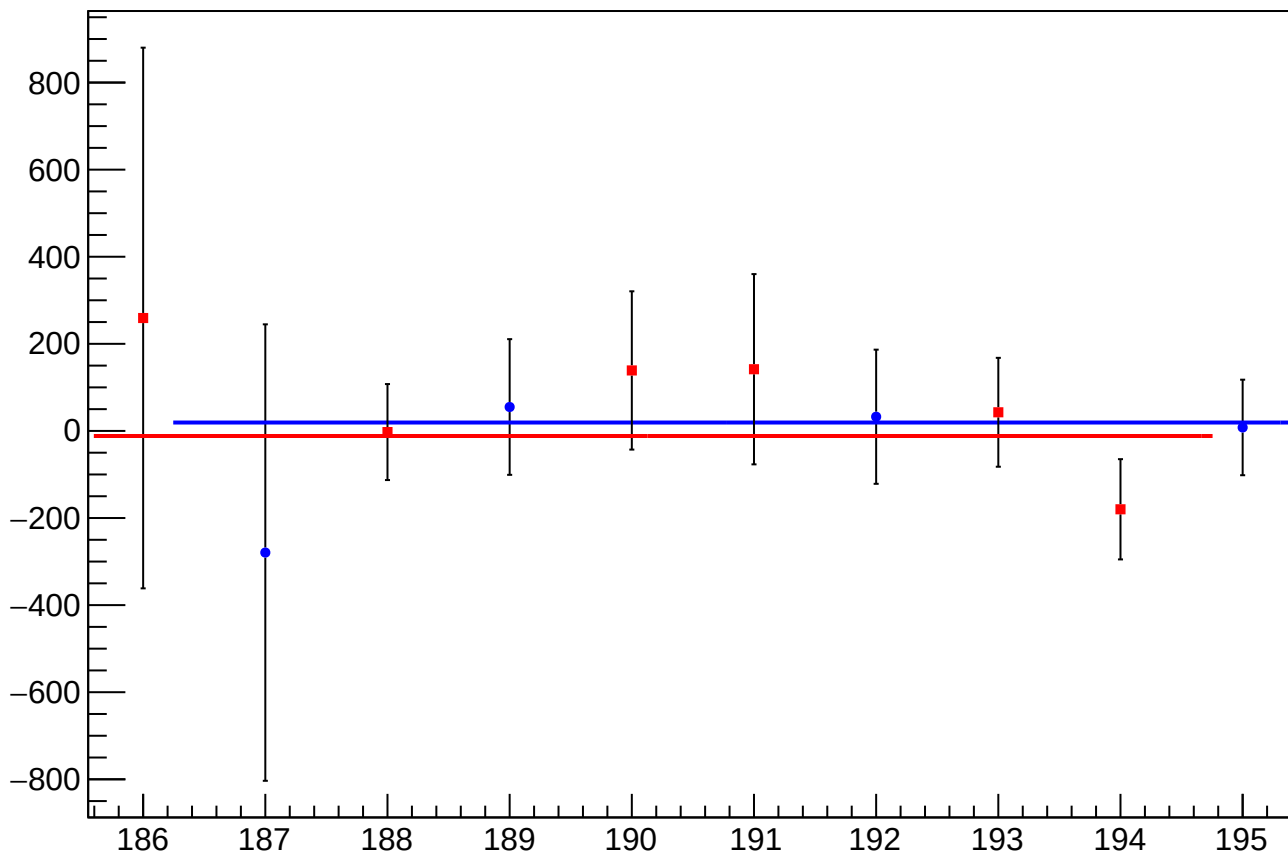
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2957.571+/-0.910  $\chi^2/\text{NDF}$ : 41312.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_26\_48\_dd\_mean vs Slug



Right In: 19.300 $\pm$ 76.682  $\chi^2$ /NDF: 0.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -11.657 $\pm$ 60.239  $\chi^2$ /NDF: 3.7/5

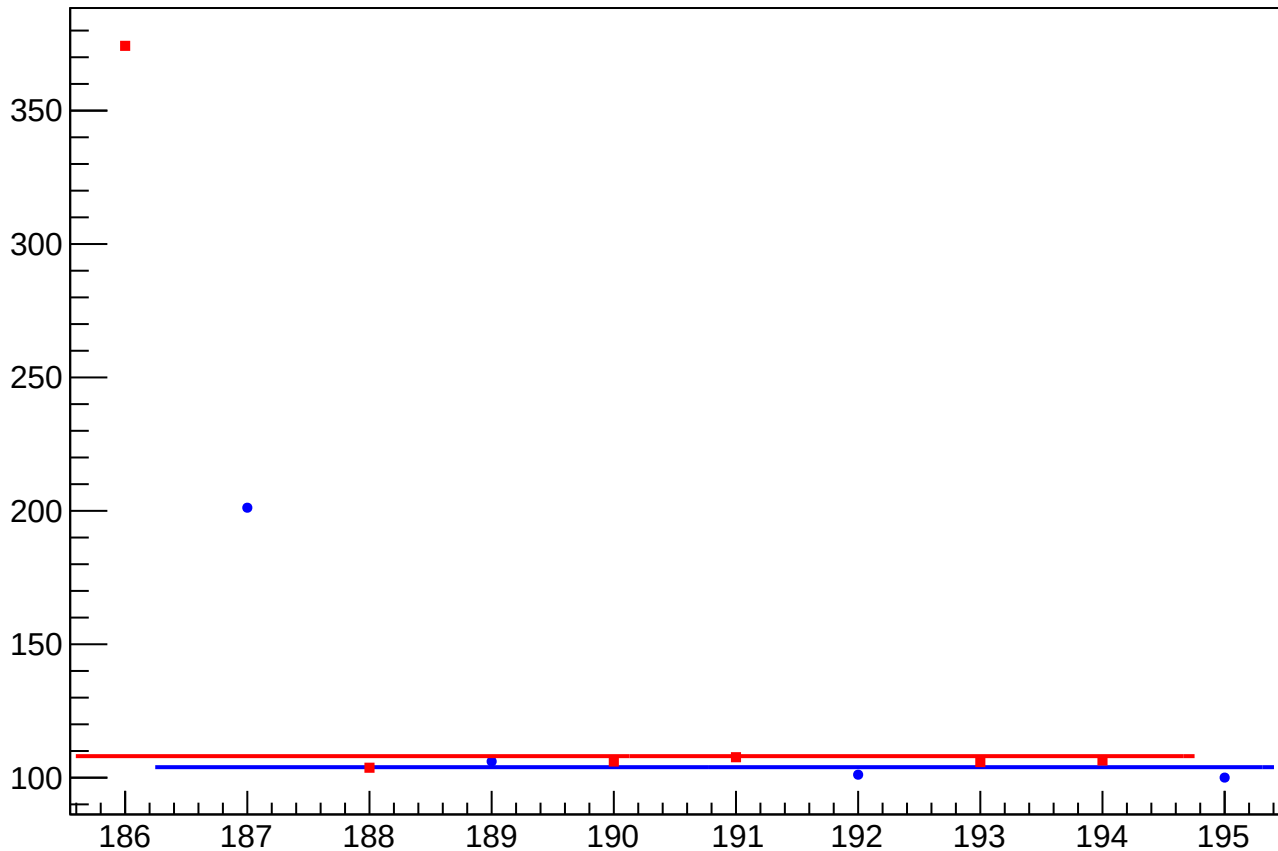
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.157 $\pm$ 47.370  $\chi^2$ /NDF: 4.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_26\_48\_dd\_rms vs Slug



Right In: 103.938 $\pm$ 0.054  $\chi^2$ /NDF: 72435.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 108.071 $\pm$ 0.043  $\chi^2$ /NDF: 372107.9/5

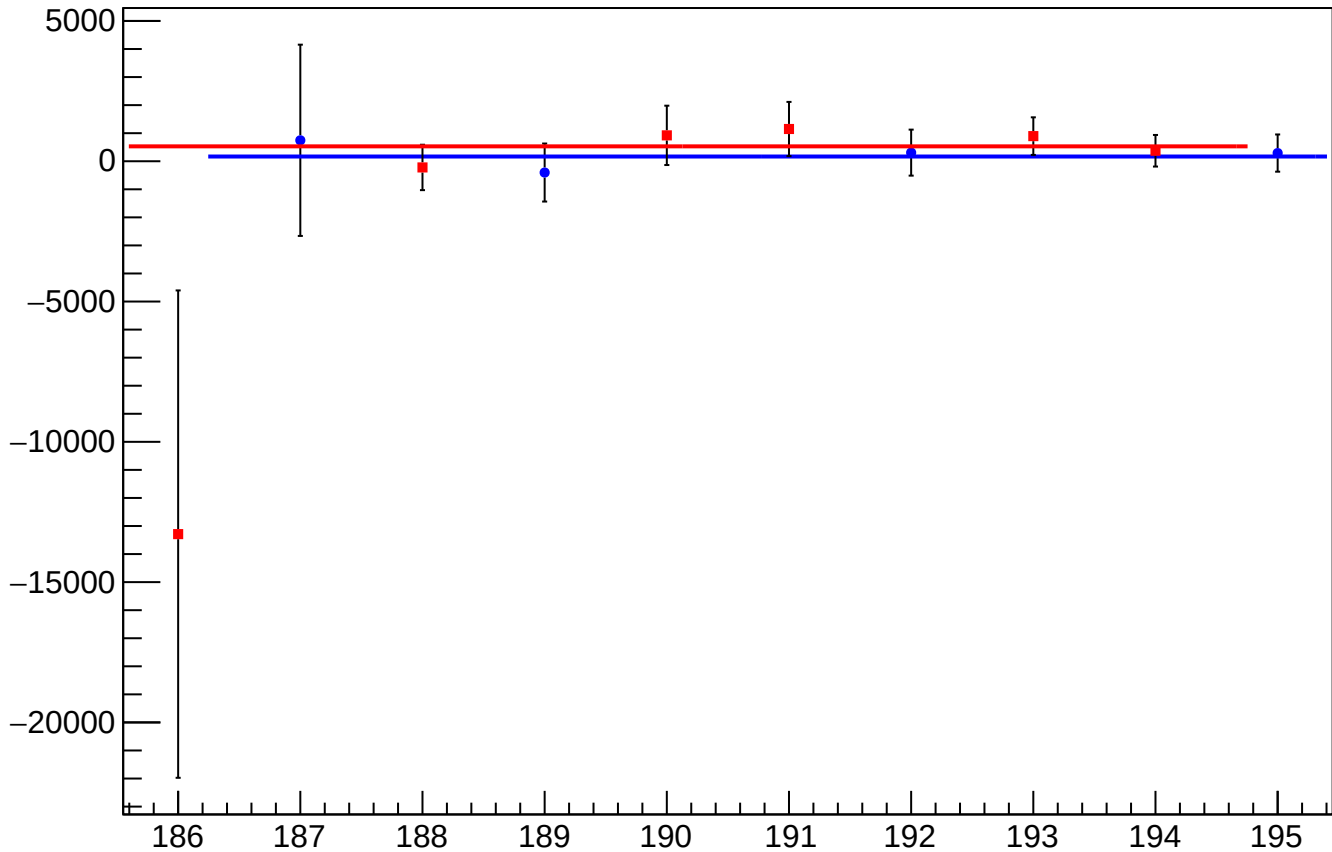
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 106.494 $\pm$ 0.033  $\chi^2$ /NDF: 448136.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_48\_dd\_correction\_mean vs Slug



Right In: 168.696 $\pm$ 457.183  $\chi^2$ /NDF: 0.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 530.813 $\pm$ 335.355  $\chi^2$ /NDF: 4.3/5

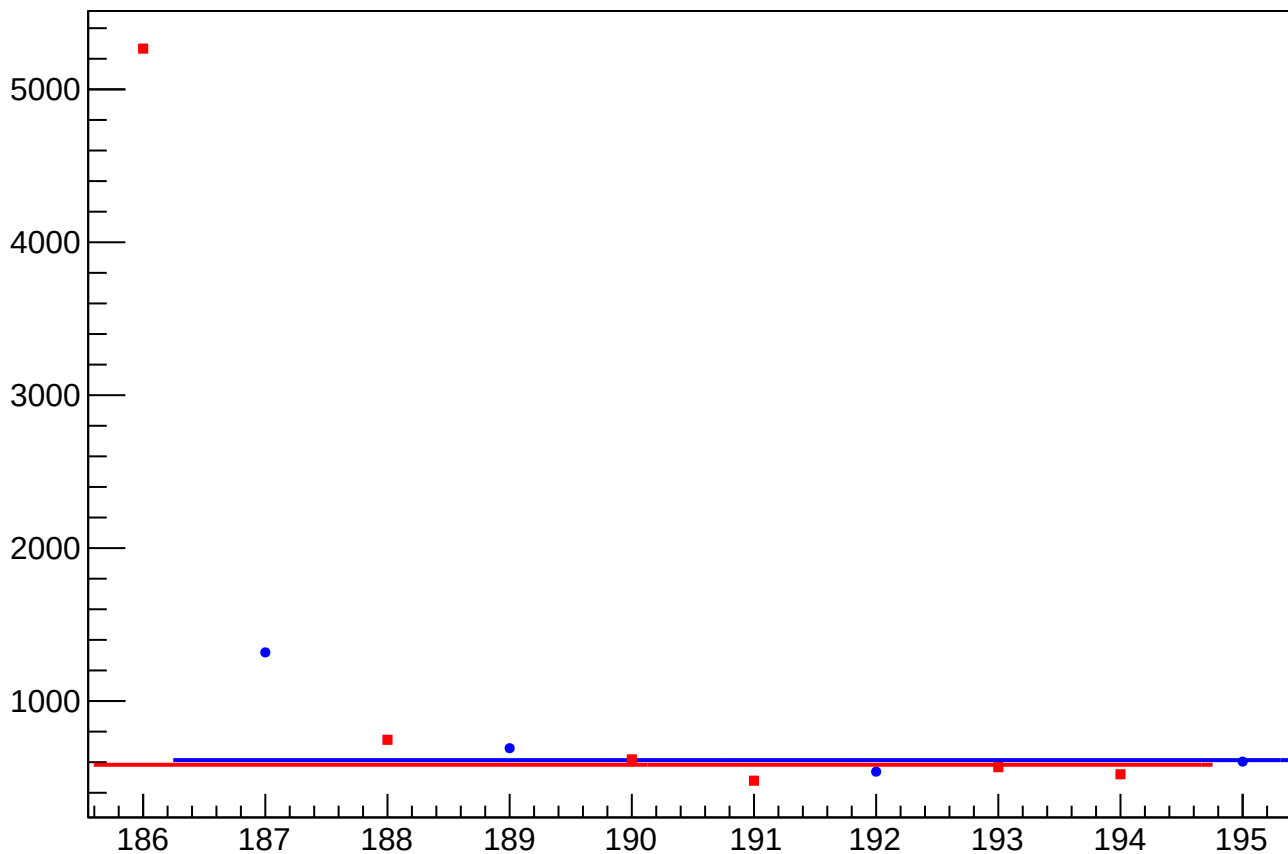
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 404.134 $\pm$ 270.407  $\chi^2$ /NDF: 5.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_48\_dd\_correction\_rms vs Slug



Right In: 613.423+/-0.323  $\chi^2/\text{NDF}$ : 114162.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 583.236+/-0.237  $\chi^2/\text{NDF}$ : 714226.1/5

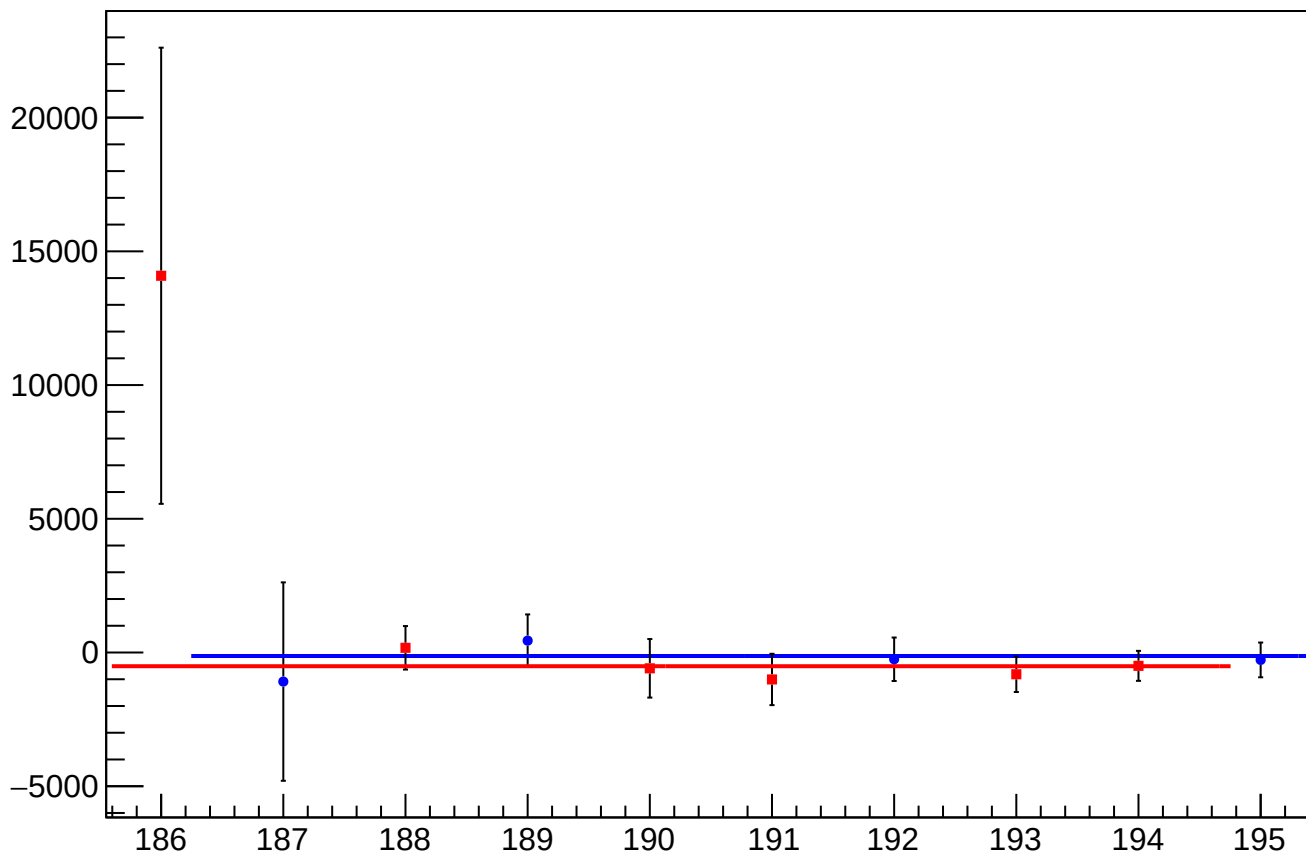
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 593.796+/-0.191  $\chi^2/\text{NDF}$ : 834057.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_26\_48\_dd\_mean vs Slug



Right In: -131.057 $\pm$ 447.348  $\chi^2$ /NDF: 0.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -512.800 $\pm$ 335.243  $\chi^2$ /NDF: 4.1/5

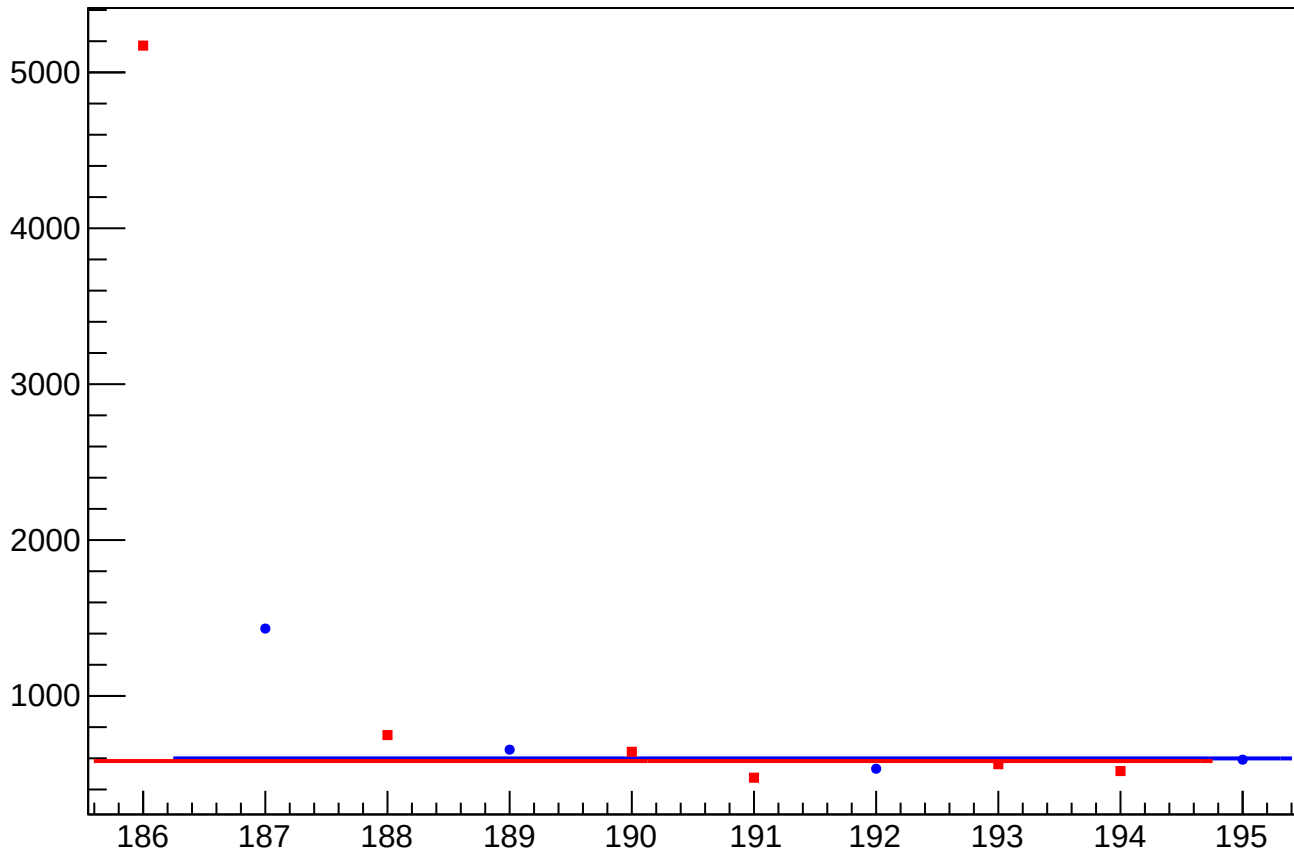
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -375.513 $\pm$ 268.271  $\chi^2$ /NDF: 5.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_26\_48\_dd\_rms vs Slug



Right In: 599.289+/-0.316  $\chi^2/\text{NDF}$ : 121002.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 582.397+/-0.237  $\chi^2/\text{NDF}$ : 721517.9/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

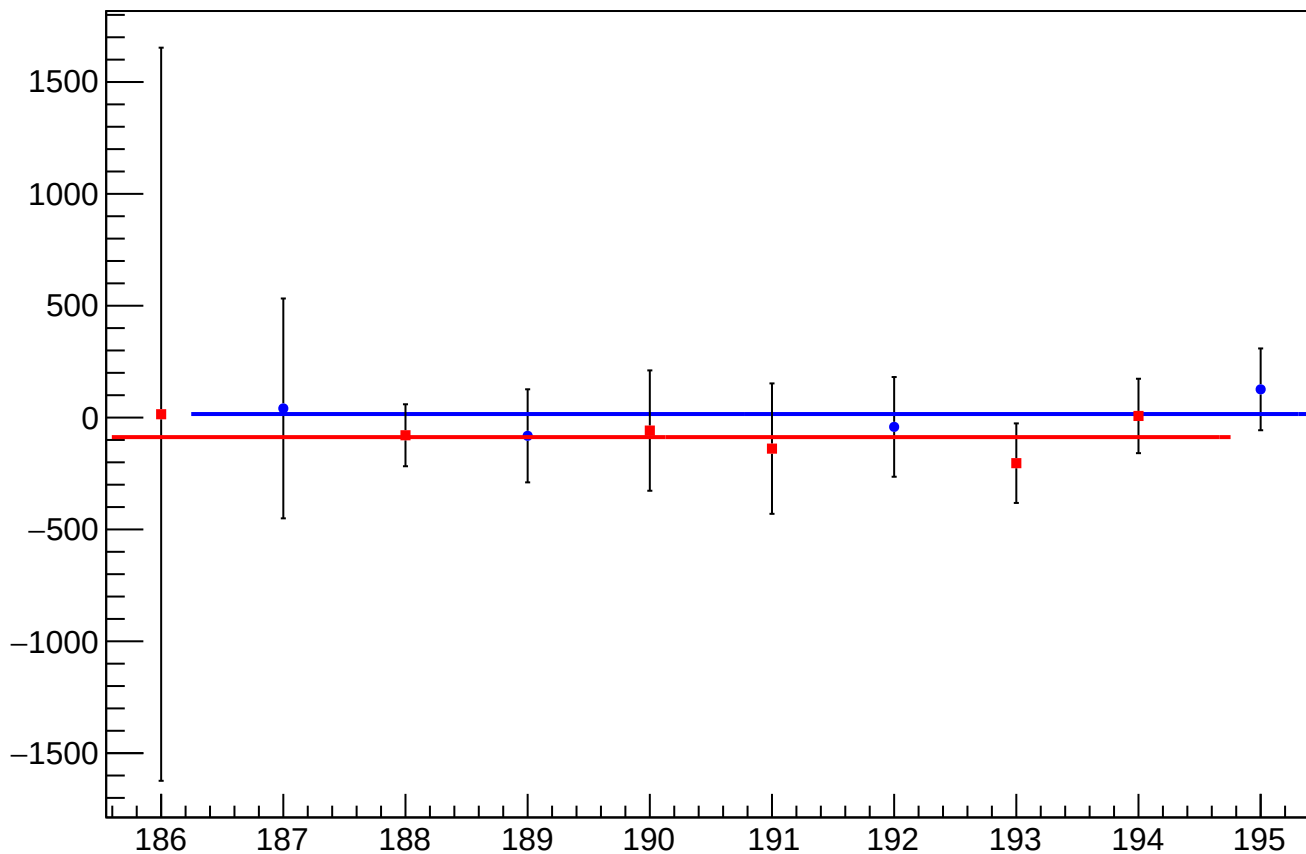
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 588.472+/-0.190  $\chi^2/\text{NDF}$ : 844346.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_asym\_sam\_1548\_avg\_mean vs Slug



Right In: 15.837 $\pm$ 113.739  $\chi^2$ /NDF: 0.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -87.300 $\pm$ 82.798  $\chi^2$ /NDF: 0.8/5

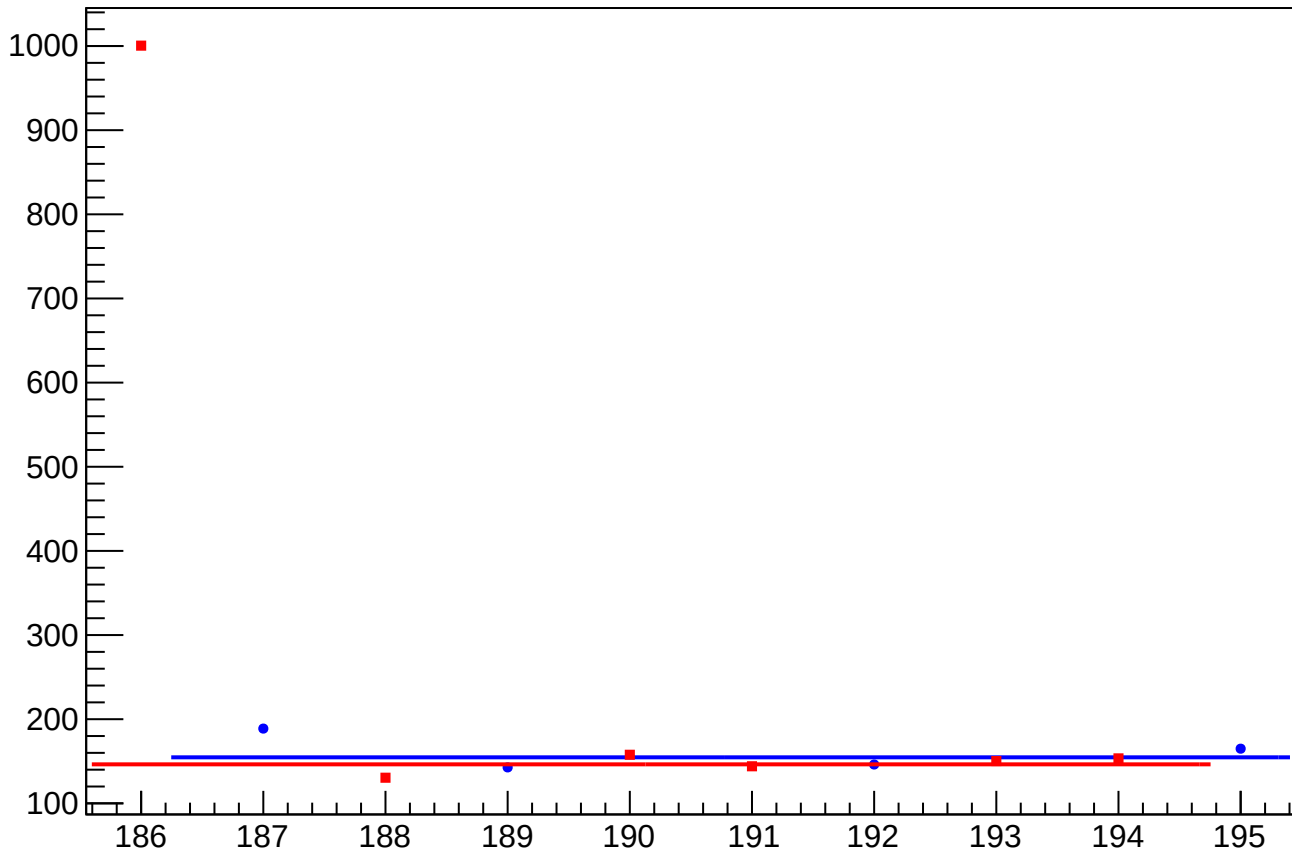
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -51.575 $\pm$ 66.940  $\chi^2$ /NDF: 2.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_1548\_avg\_rms vs Slug



Right In: 154.687 $\pm$ 0.080  $\chi^2$ /NDF: 25540.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 146.352 $\pm$ 0.059  $\chi^2$ /NDF: 578081.6/5

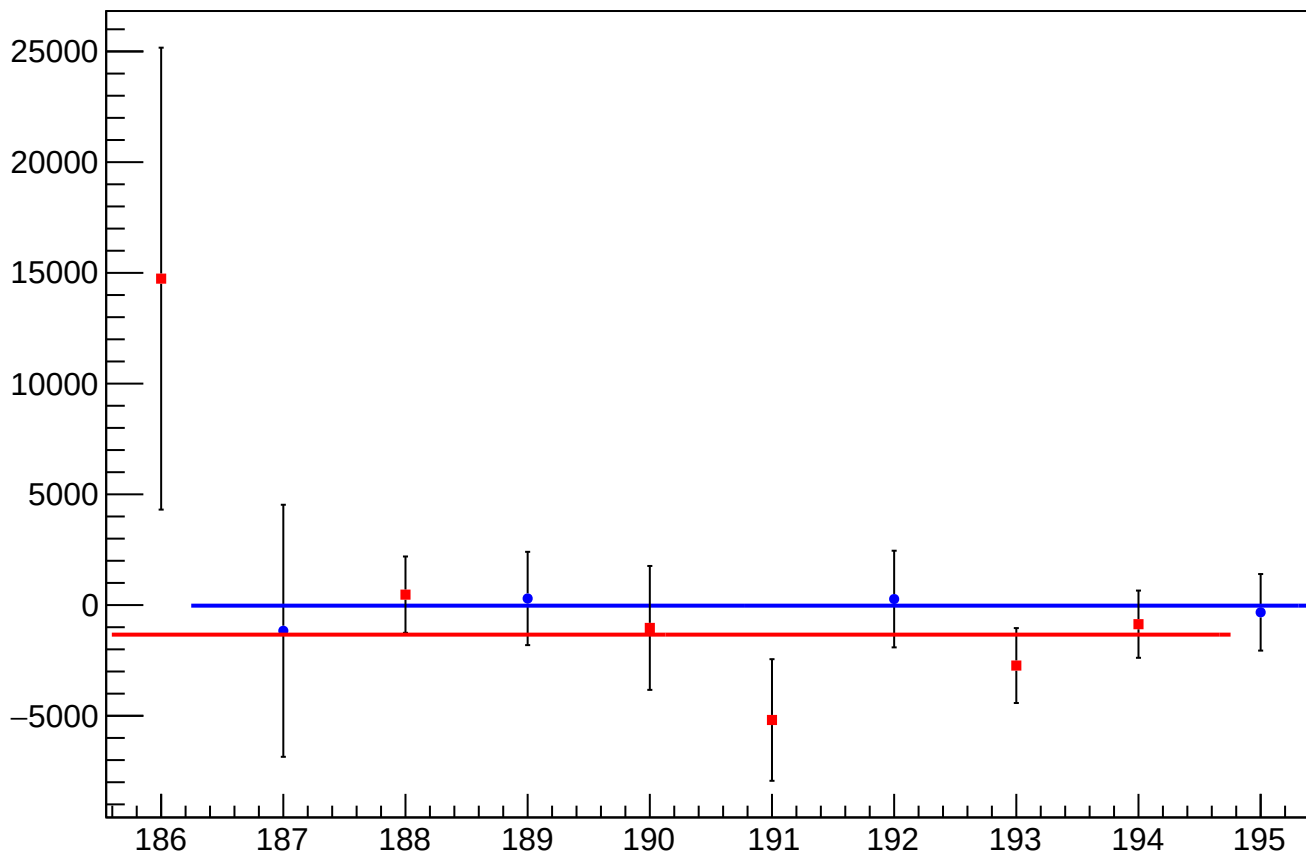
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 149.239 $\pm$ 0.047  $\chi^2$ /NDF: 610642.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1548\_avg\_correction\_mean vs Slug



Right In: -26.476 $\pm$ 1117.479  $\chi^2$ /NDF: 0.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1335.205 $\pm$ 848.243  $\chi^2$ /NDF: 6.2/5

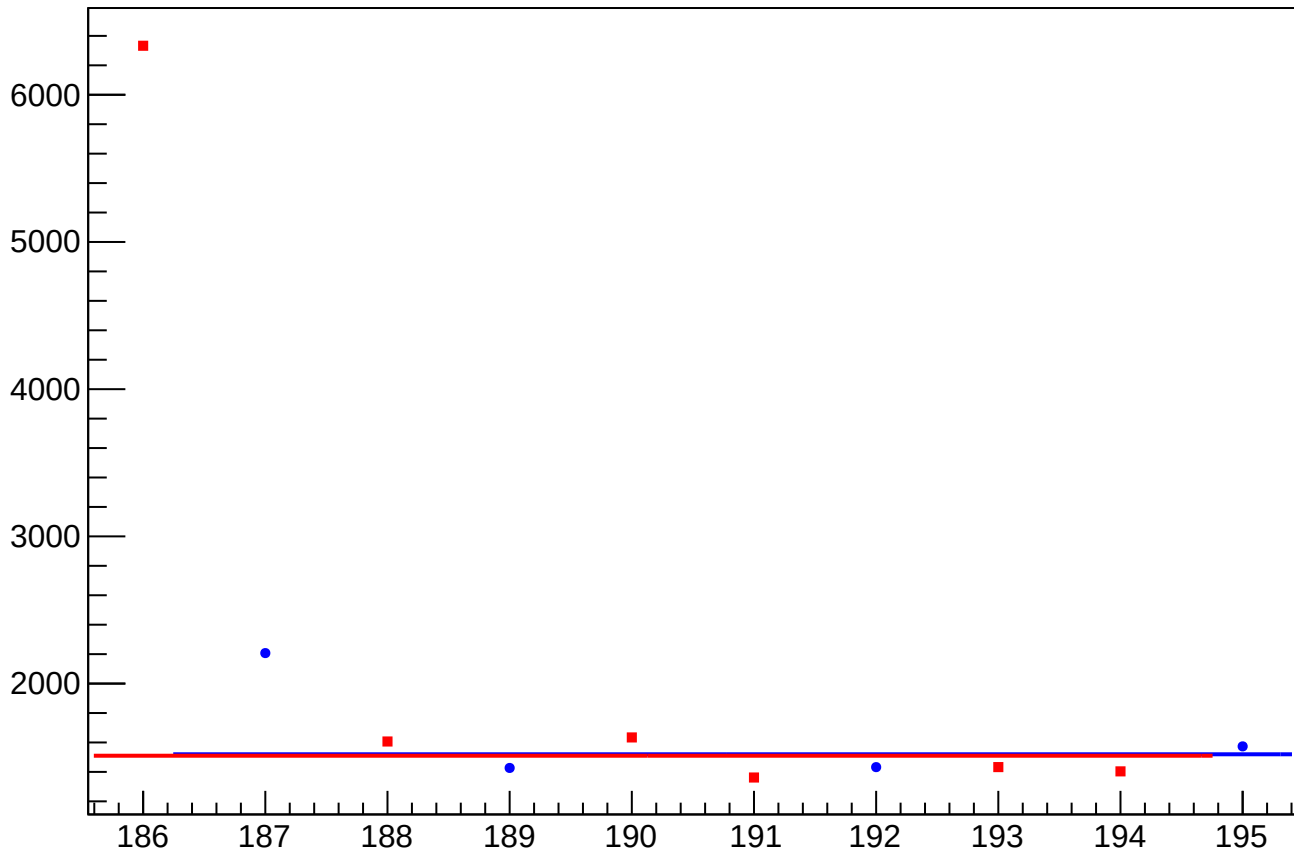
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -856.790 $\pm$ 675.642  $\chi^2$ /NDF: 7.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1548\_avg\_correction\_rms vs Slug



Right In: 1519.688 $\pm$ 0.790  $\chi^2$ /NDF: 38195.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1509.917 $\pm$ 0.600  $\chi^2$ /NDF: 457715.2/5

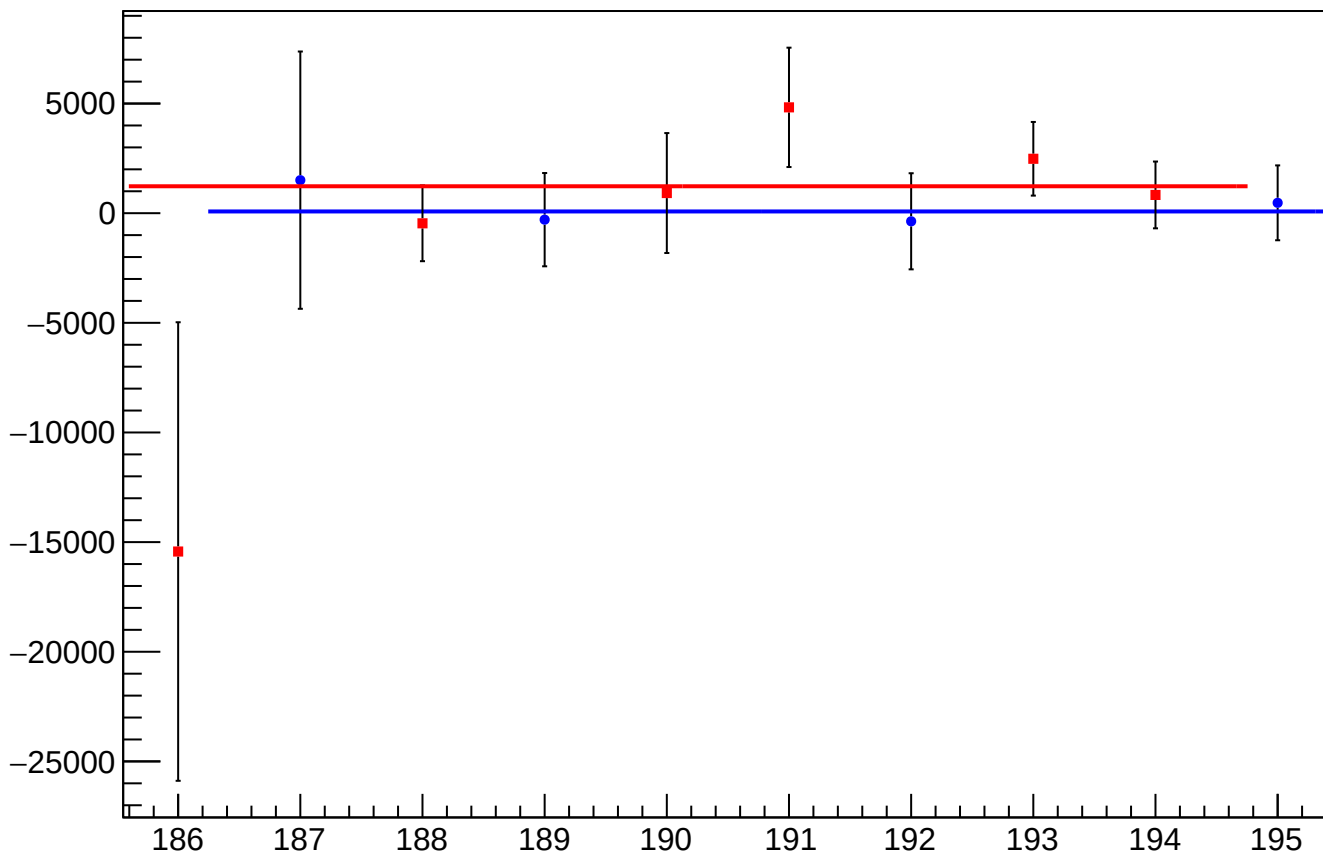
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1513.489 $\pm$ 0.478  $\chi^2$ /NDF: 496008.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 1227.721+/-845.558  $\chi^2/\text{NDF}$ : 5.9/5

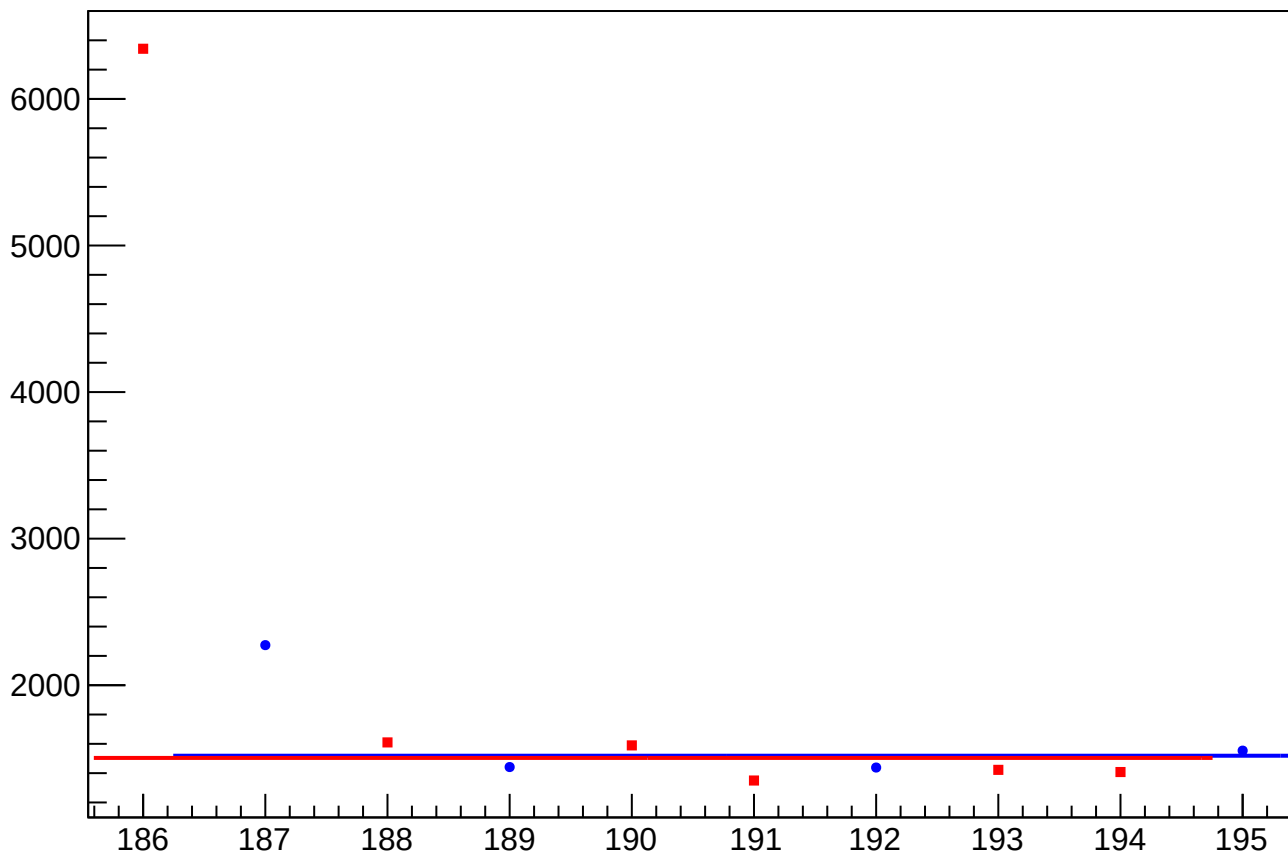
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 809.382+/-674.174  $\chi^2/\text{NDF}$ : 6.7/9

- 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: 1503.855 $\pm$ 0.598  $\chi^2$ /NDF: 456878.2/5

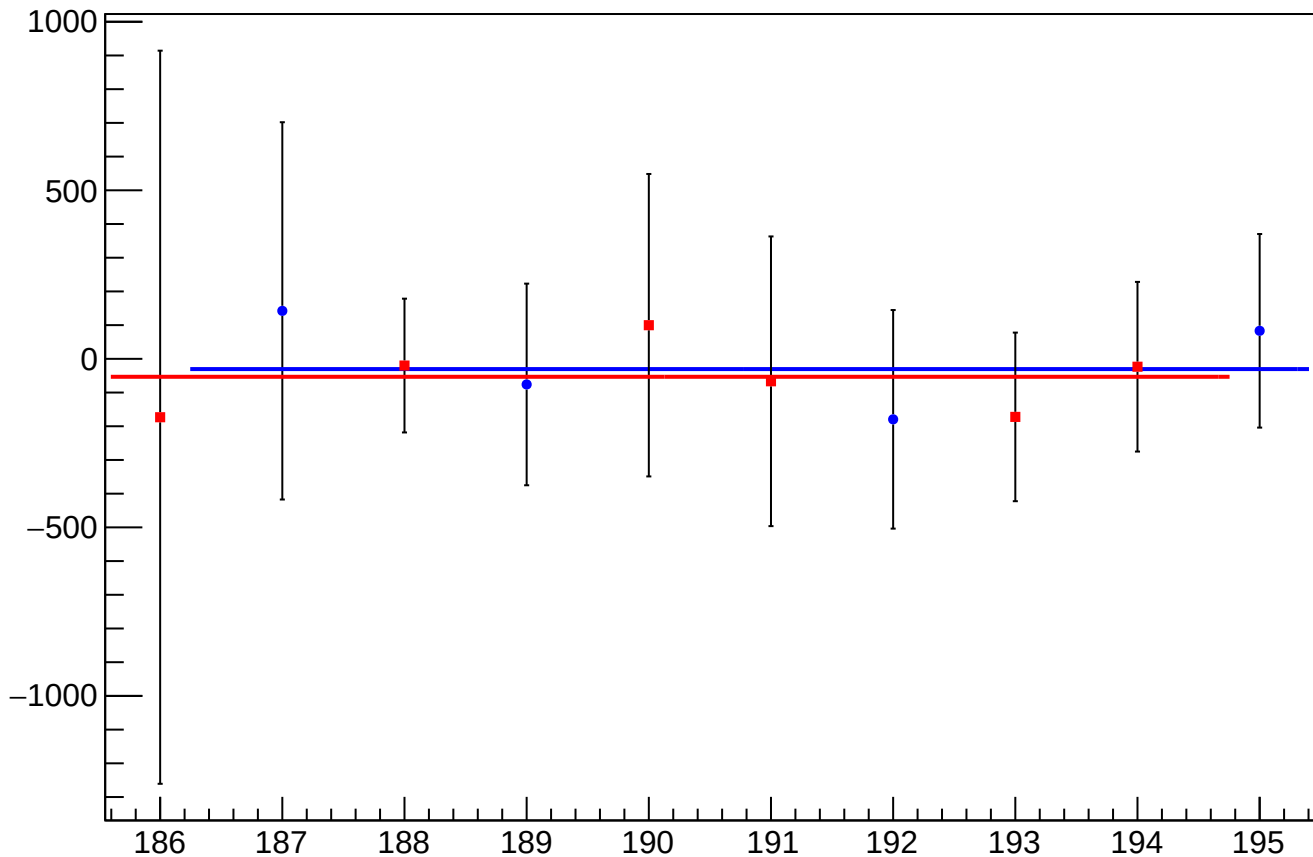
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1509.326 $\pm$ 0.477  $\chi^2$ /NDF: 496373.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_sam\_3748\_avg\_mean vs Slug



Right In:  $-30.373 \pm 166.643$   $\chi^2/\text{NDF}$ : 0.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-53.238 \pm 120.918$   $\chi^2/\text{NDF}$ : 0.4/5

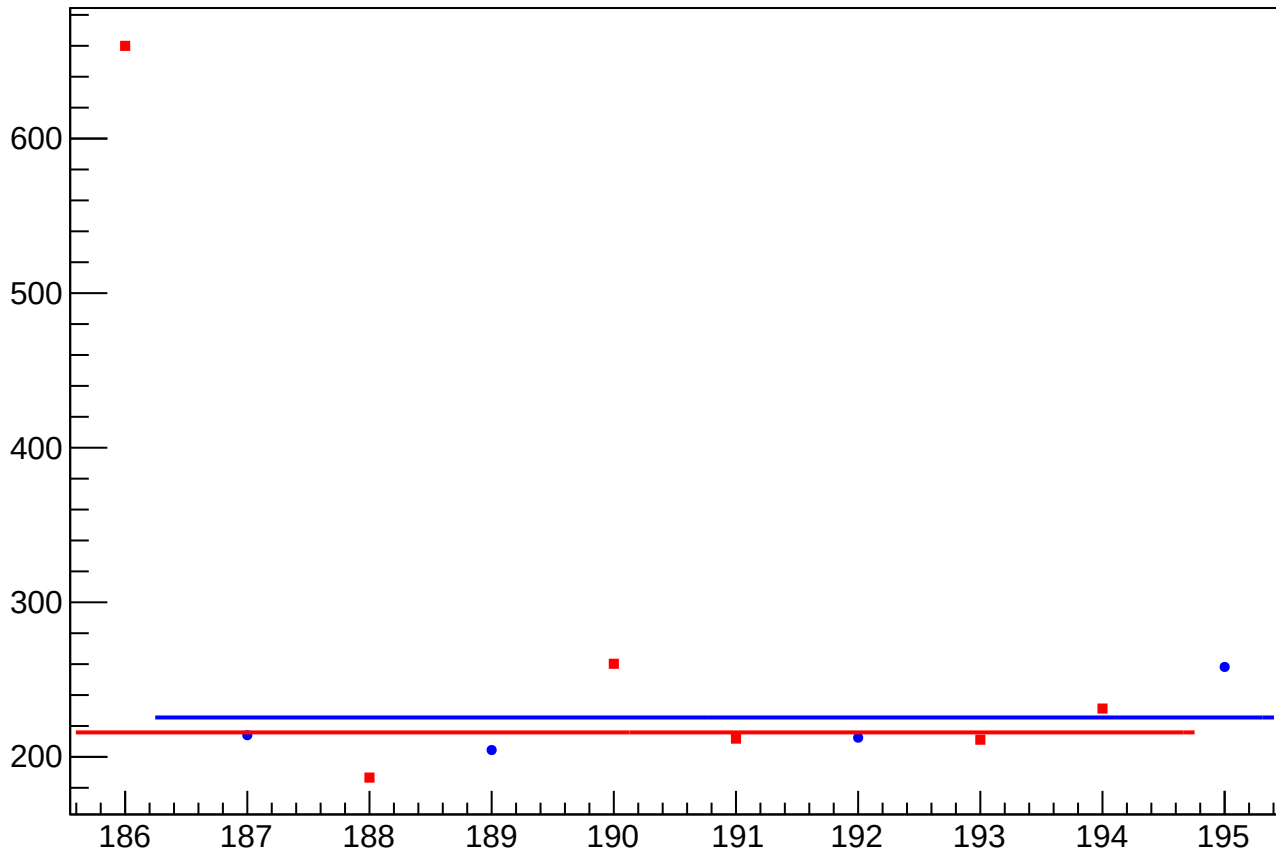
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-45.352 \pm 97.868$   $\chi^2/\text{NDF}$ : 0.9/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_3748\_avg\_rms vs Slug



Right In: 225.497 $\pm$ 0.118  $\chi^2$ /NDF: 39926.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 215.844 $\pm$ 0.086  $\chi^2$ /NDF: 404943.1/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

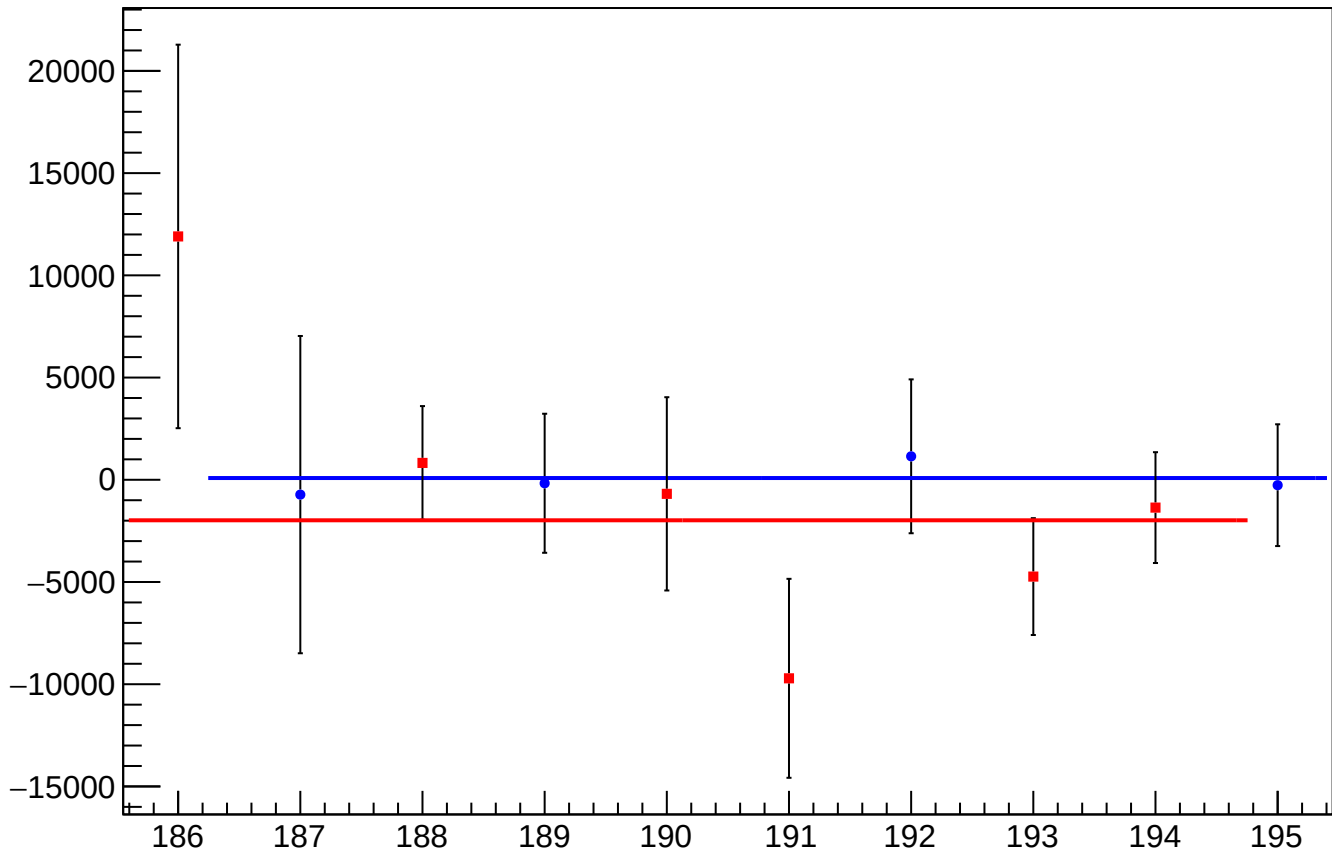
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 219.174 $\pm$ 0.069  $\chi^2$ /NDF: 449265.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_3748\_avg\_correction\_mean vs Slug



Right In: 85.574 $\pm$ 1868.544  $\chi^2$ /NDF: 0.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1981.828 $\pm$ 1433.926  $\chi^2$ /NDF: 6.8/5

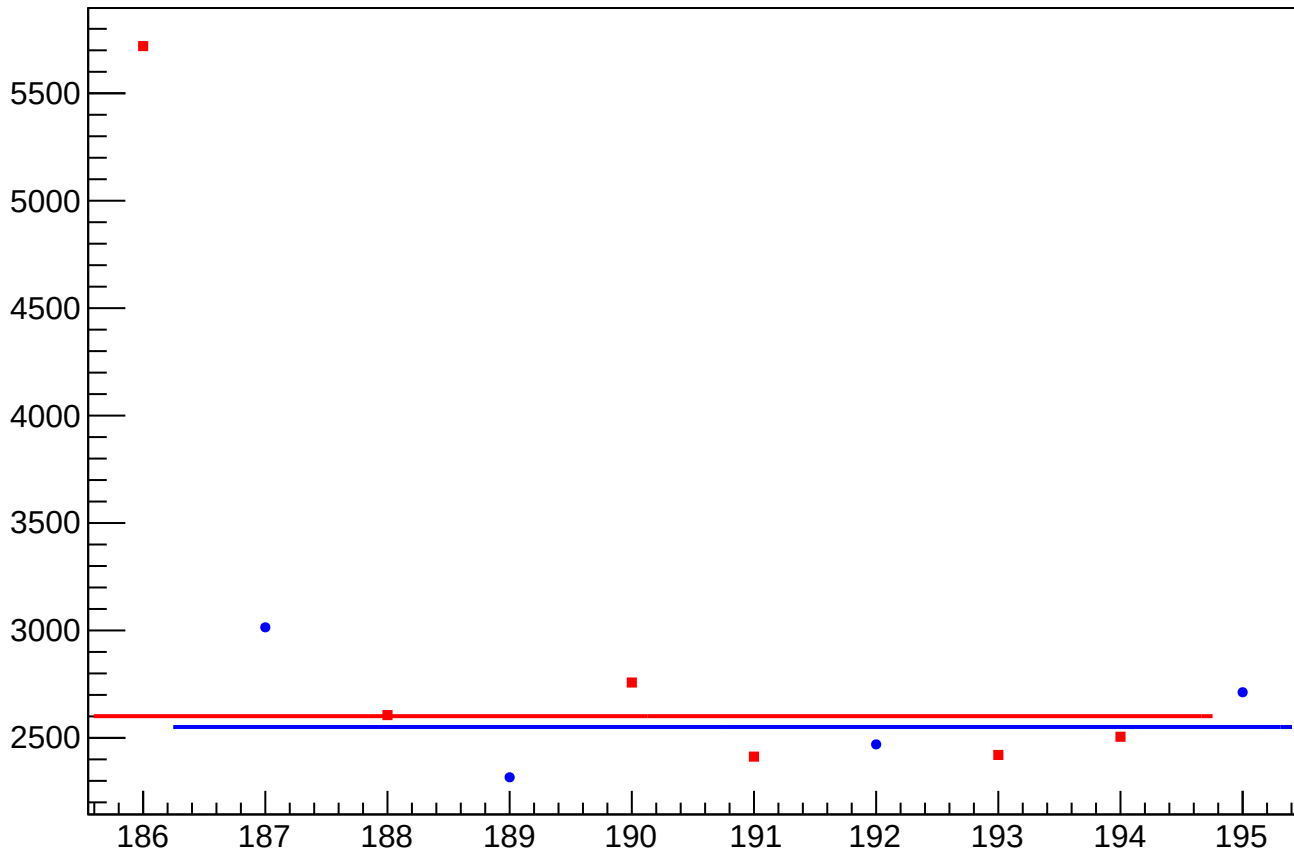
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1215.573 $\pm$ 1137.569  $\chi^2$ /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: 2550.651 $\pm$ 1.321  $\chi^2$ /NDF: 23436.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2601.111 $\pm$ 1.014  $\chi^2$ /NDF: 236743.5/5

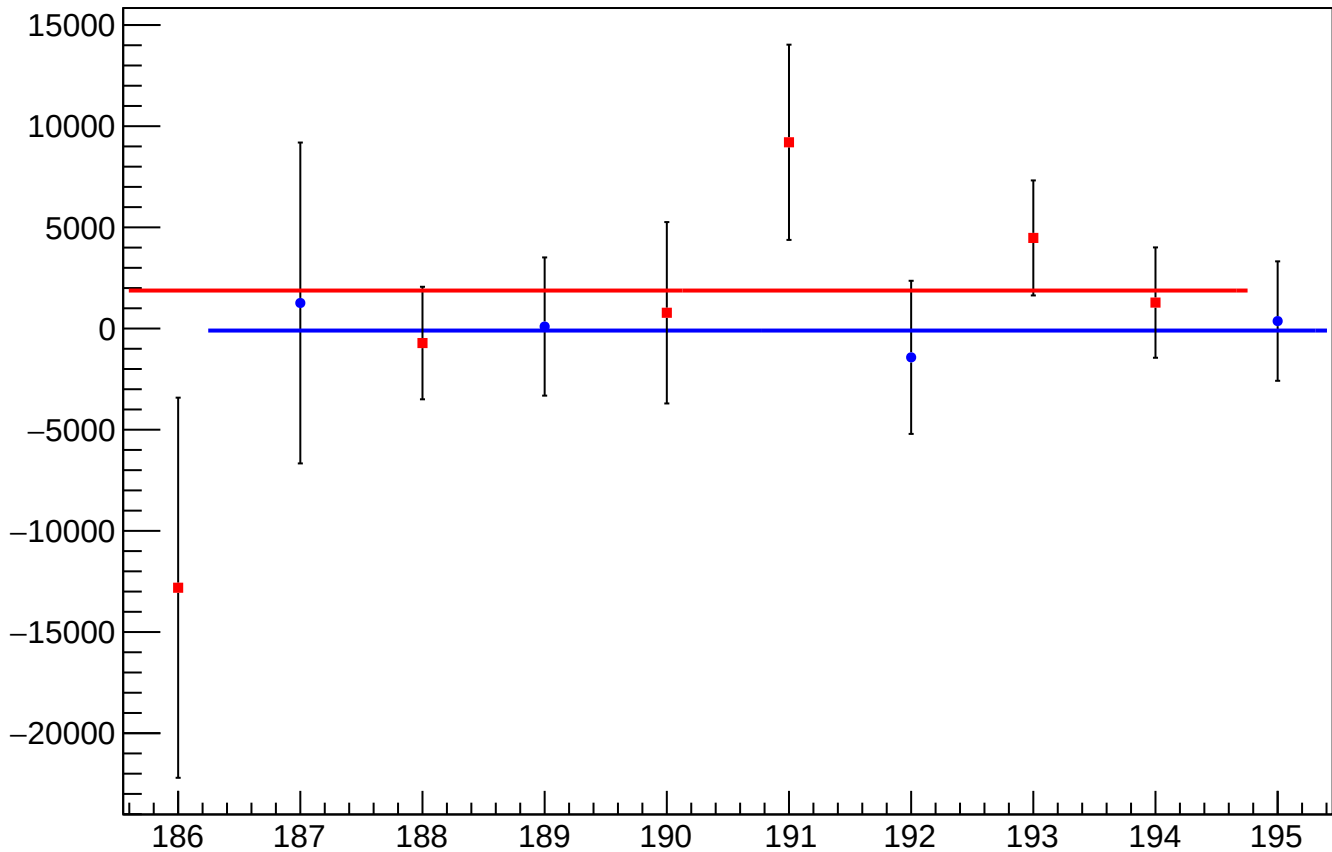
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2582.409 $\pm$ 0.804  $\chi^2$ /NDF: 261097.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3748\_avg\_mean vs Slug



Right In:  $-99.833 \pm 1869.069$   $\chi^2/\text{NDF}$ : 0.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $1877.447 \pm 1426.203$   $\chi^2/\text{NDF}$ : 6.6/5

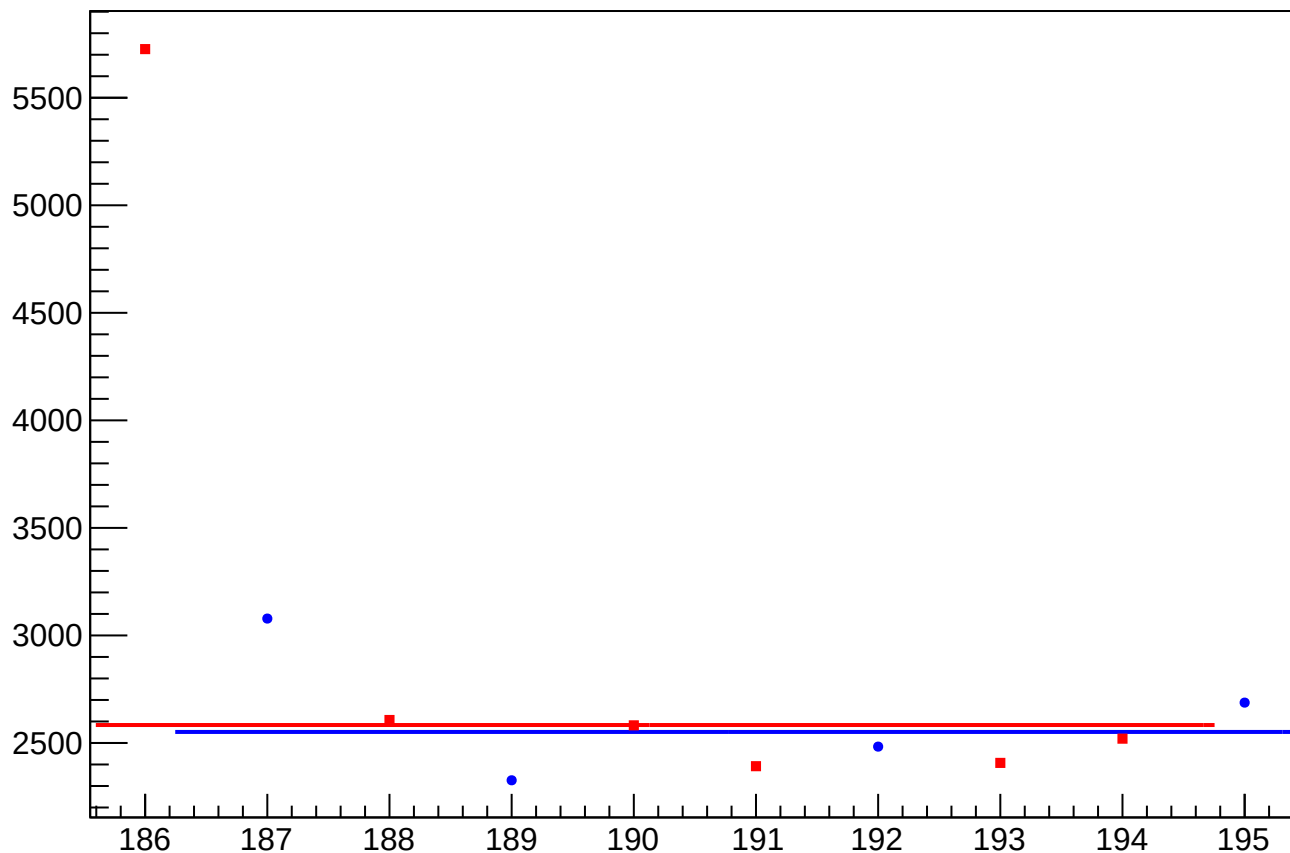
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $1149.827 \pm 1133.818$   $\chi^2/\text{NDF}$ : 7.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 2583.493+/-1.008  $\chi^2/\text{NDF}$ : 235906.0/5

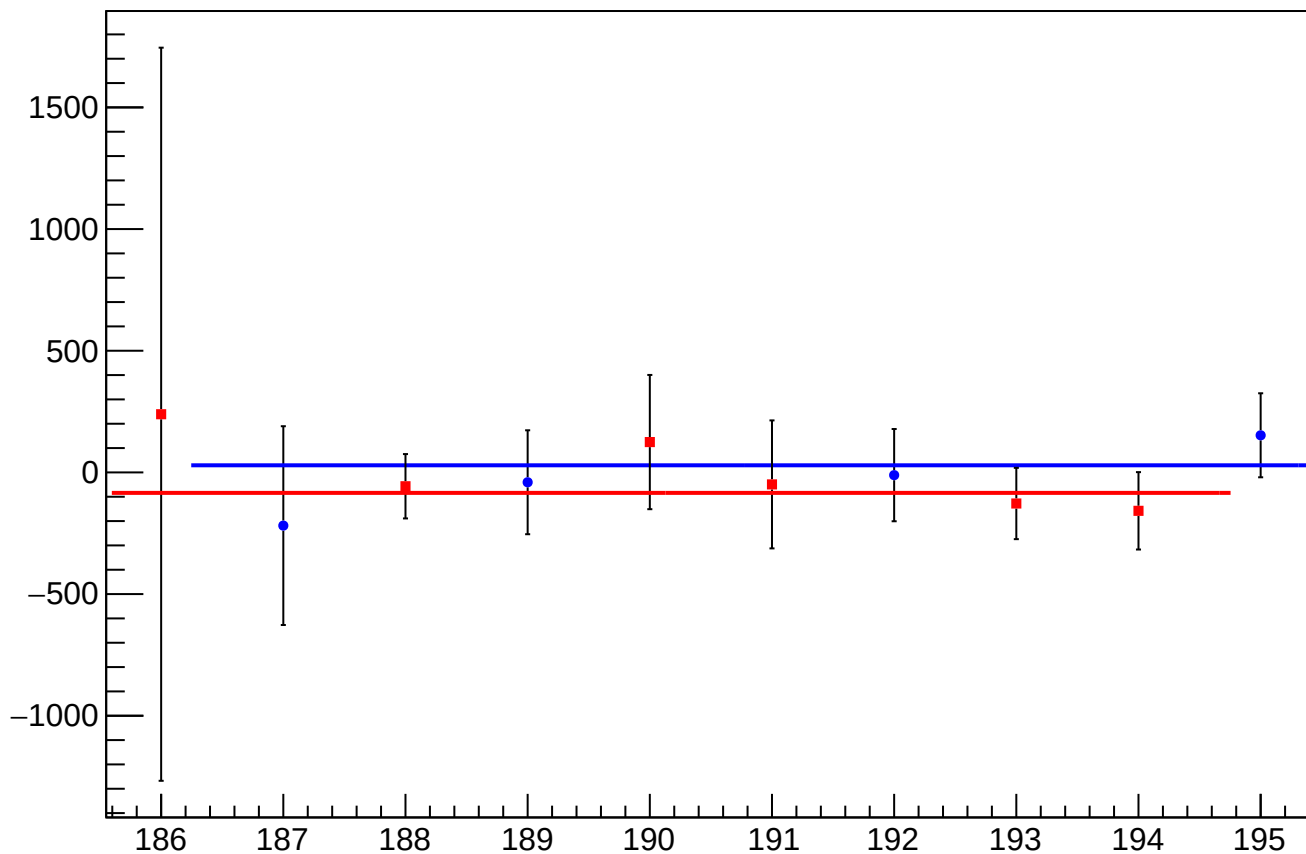
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2571.646+/-0.802  $\chi^2/\text{NDF}$ : 258698.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1526\_avg\_mean vs Slug



Right In: 29.216+/-105.816  $\chi^2/\text{NDF}$ : 1.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -84.146+/-76.389  $\chi^2/\text{NDF}$ : 1.0/5

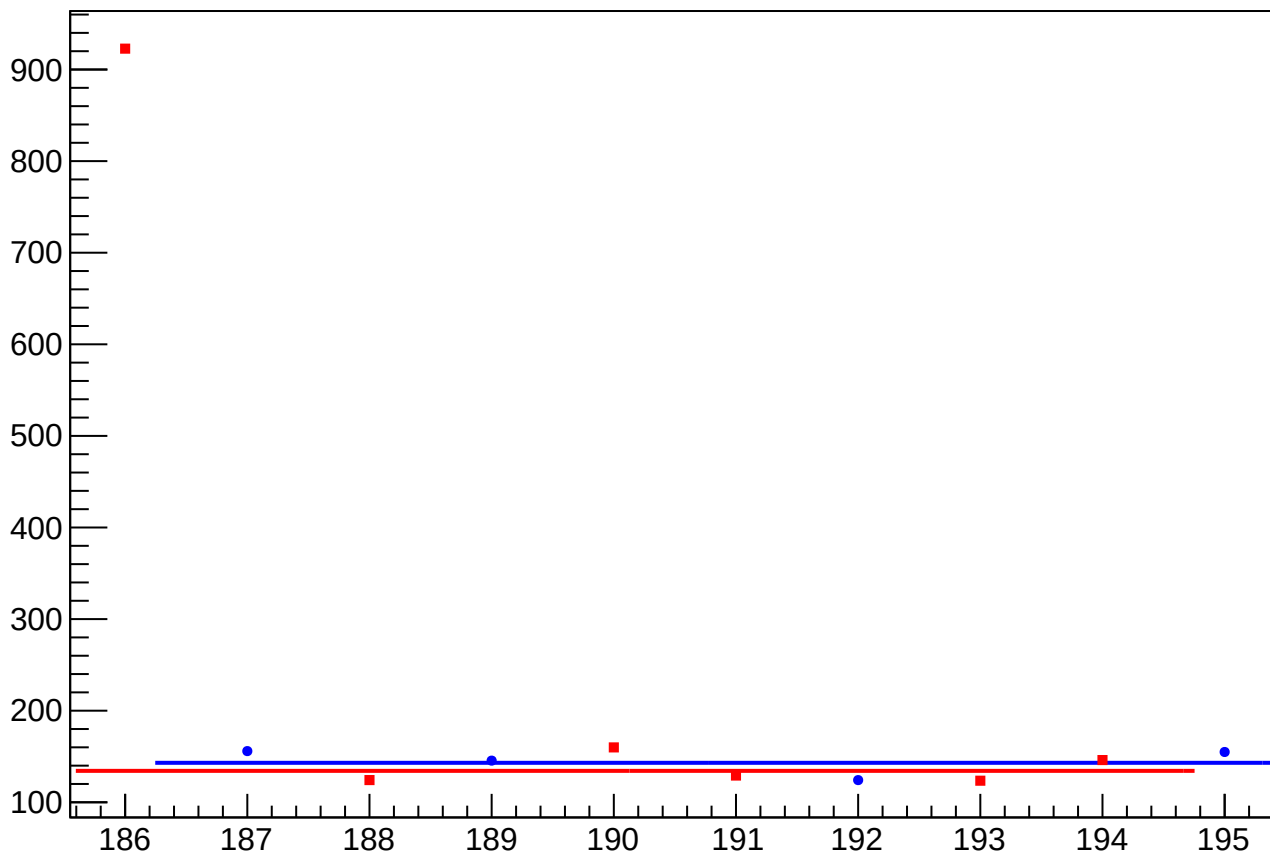
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -45.308+/-61.936  $\chi^2/\text{NDF}$ : 2.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1526\_avg\_rms vs Slug



Right In: 143.102 $\pm$ 0.075  $\chi^2$ /NDF: 31405.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 134.312 $\pm$ 0.054  $\chi^2$ /NDF: 599292.3/5

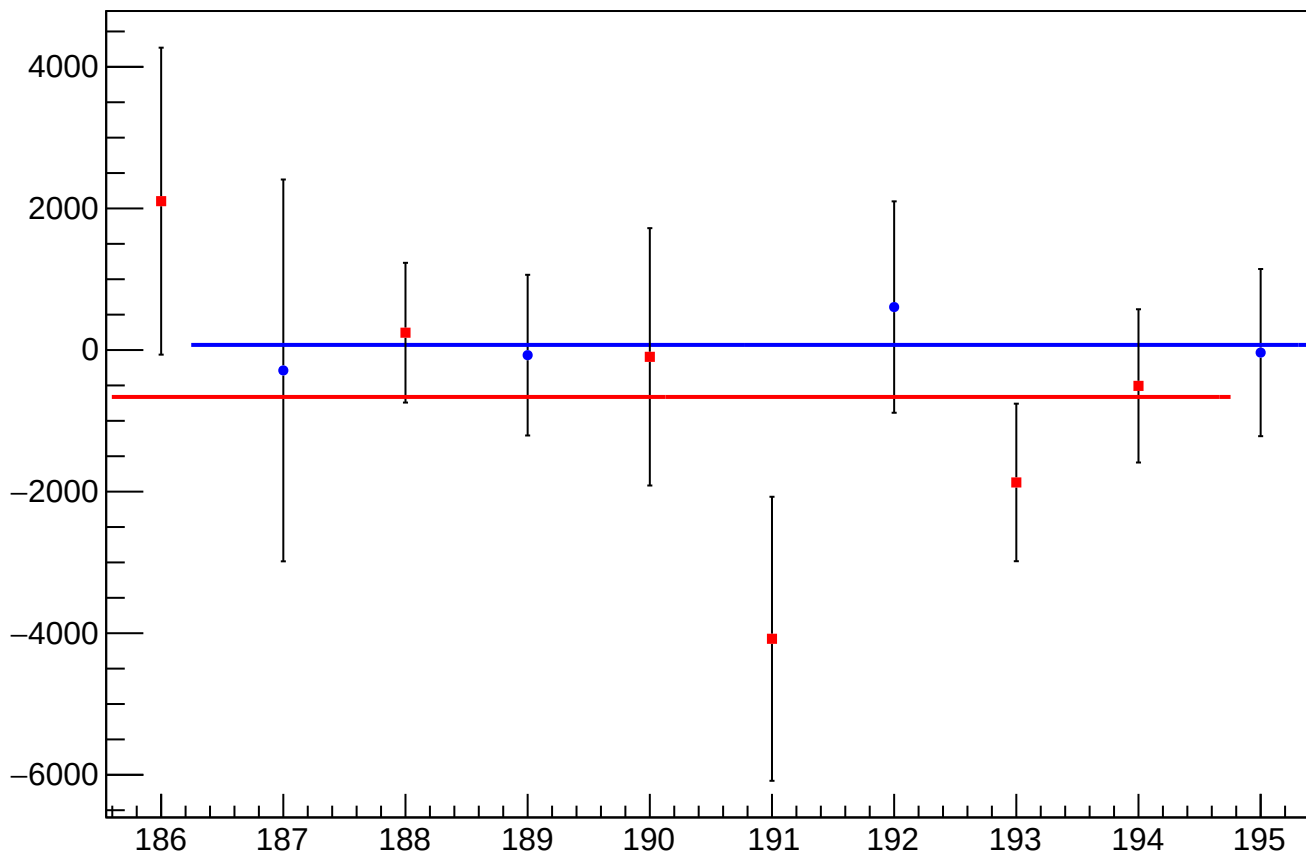
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 137.323 $\pm$ 0.044  $\chi^2$ /NDF: 639771.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1526\_avg\_correction\_mean vs Slug



Right In: 72.490+/-693.384  $\chi^2/\text{NDF}$ : 0.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -662.490+/-538.226  $\chi^2/\text{NDF}$ : 6.7/5

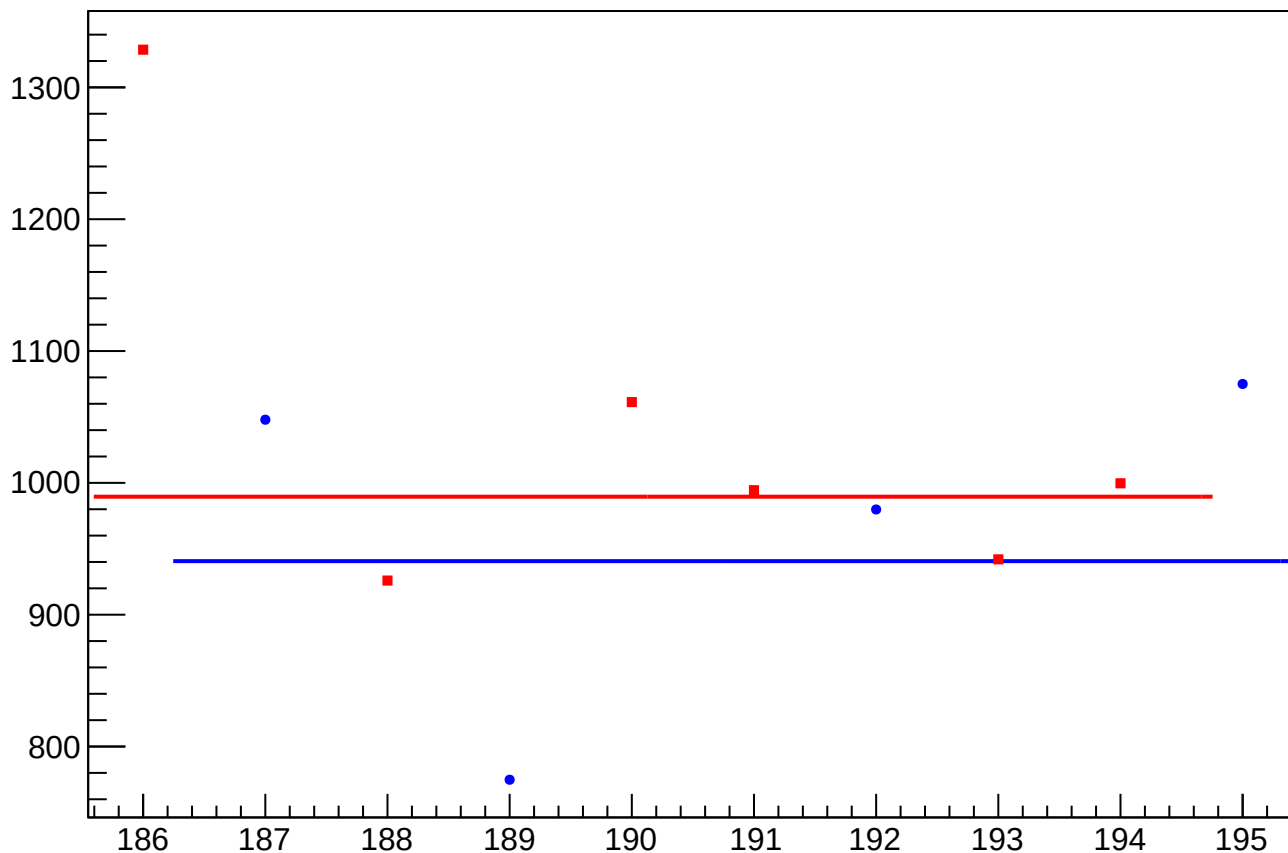
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -386.146+/-425.169  $\chi^2/\text{NDF}$ : 7.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1526\_avg\_correction\_rms vs Slug



Right In: 940.630 $\pm$ 0.490  $\chi^2$ /NDF: 73161.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 989.529 $\pm$ 0.381  $\chi^2$ /NDF: 64187.4/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

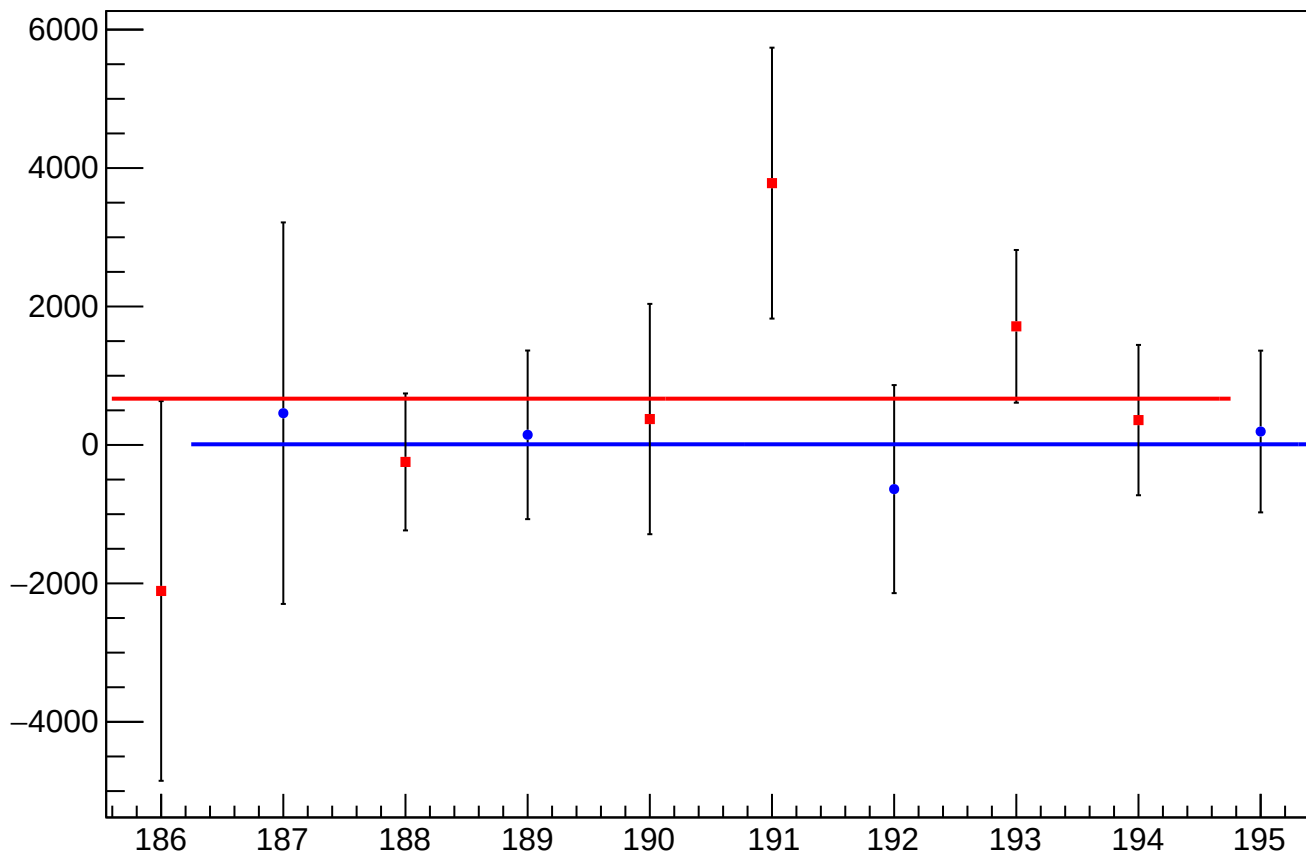
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 971.143 $\pm$ 0.301  $\chi^2$ /NDF: 143555.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_1526\_avg\_mean vs Slug



Right In: 9.538+/-710.395  $\chi^2/\text{NDF}$ : 0.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 668.638+/-538.589  $\chi^2/\text{NDF}$ : 5.4/5

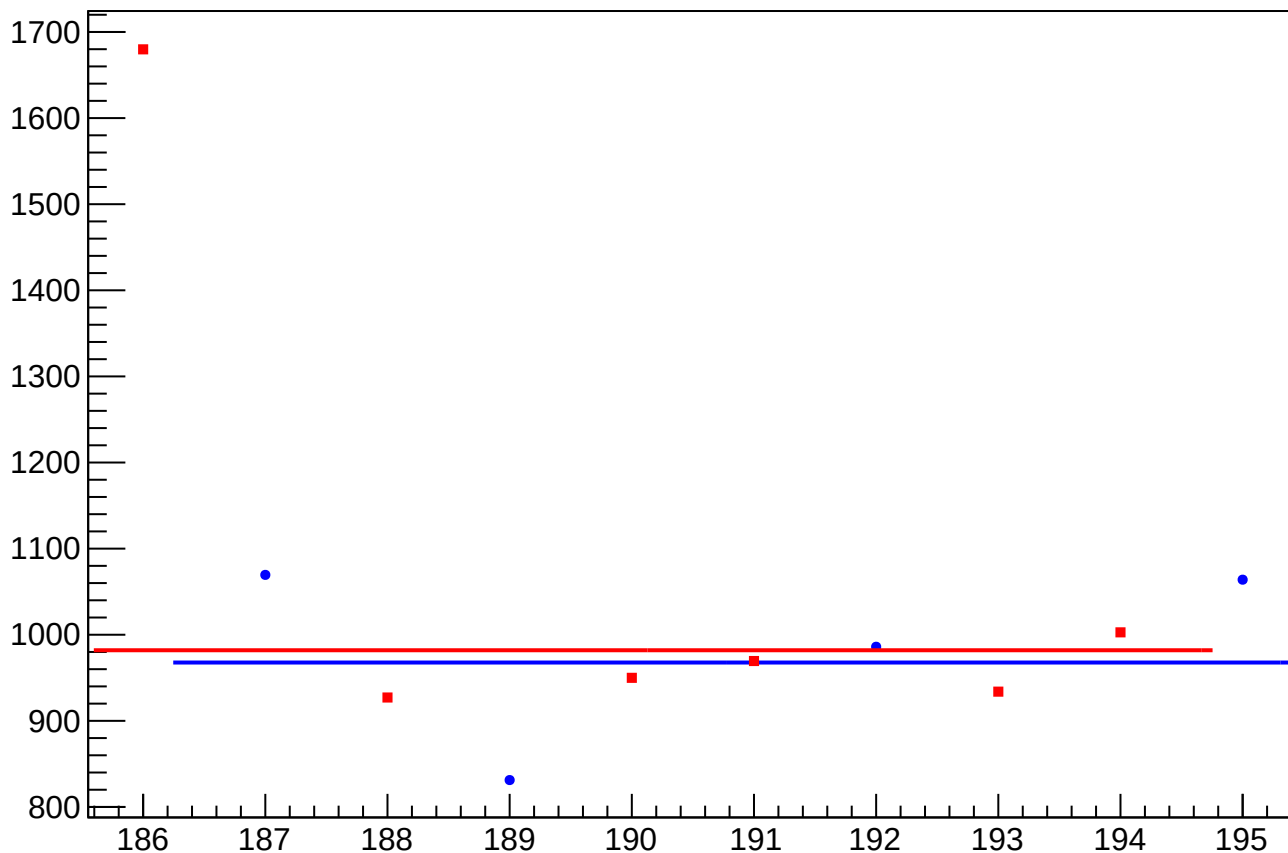
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 428.067+/-429.186  $\chi^2/\text{NDF}$ : 6.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 981.986 $\pm$ 0.381  $\chi^2$ /NDF: 141017.1/5

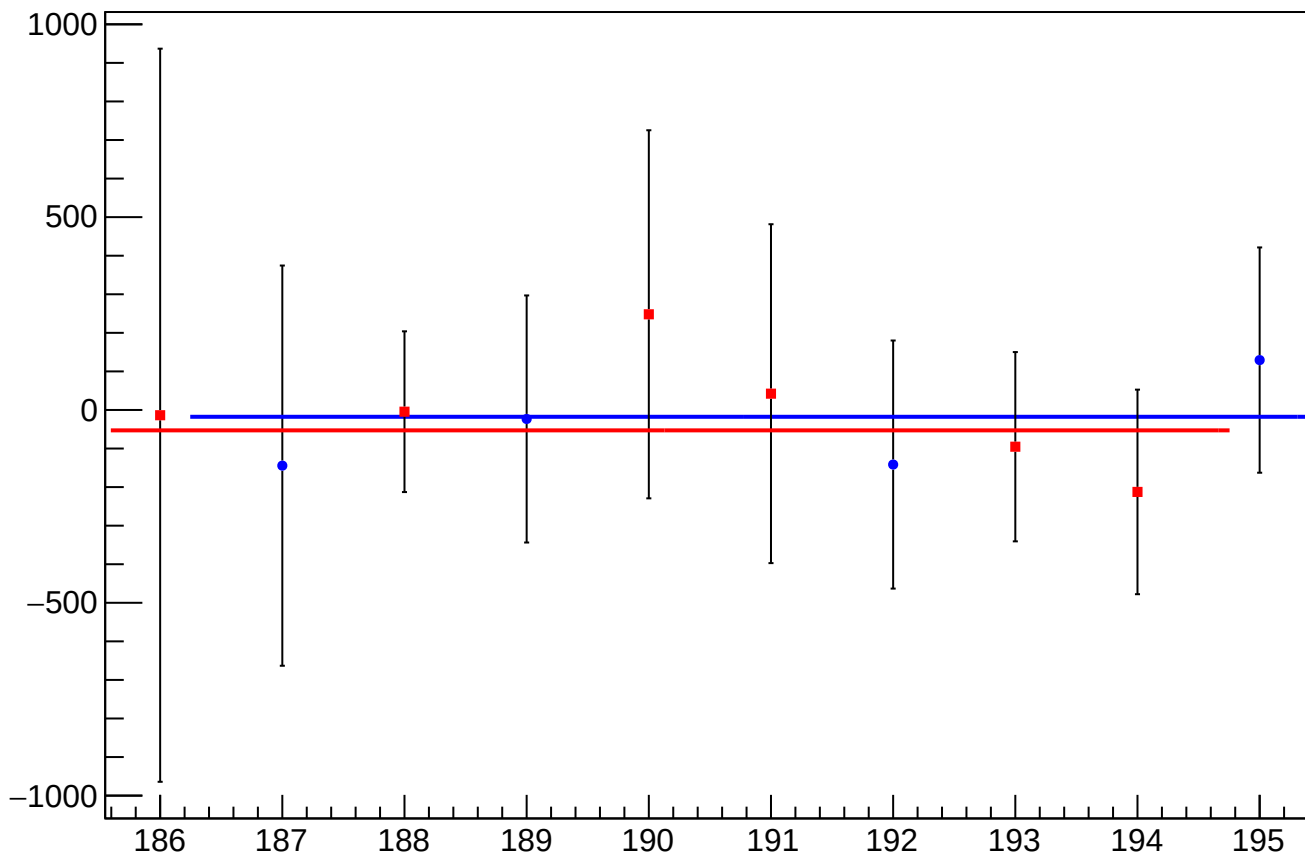
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 976.782 $\pm$ 0.303  $\chi^2$ /NDF: 183241.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_sam\_3726\_avg\_mean vs Slug



Right In:  $-17.678 \pm 169.404$   $\chi^2/\text{NDF}$ : 0.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-52.903 \pm 124.496$   $\chi^2/\text{NDF}$ : 0.9/5

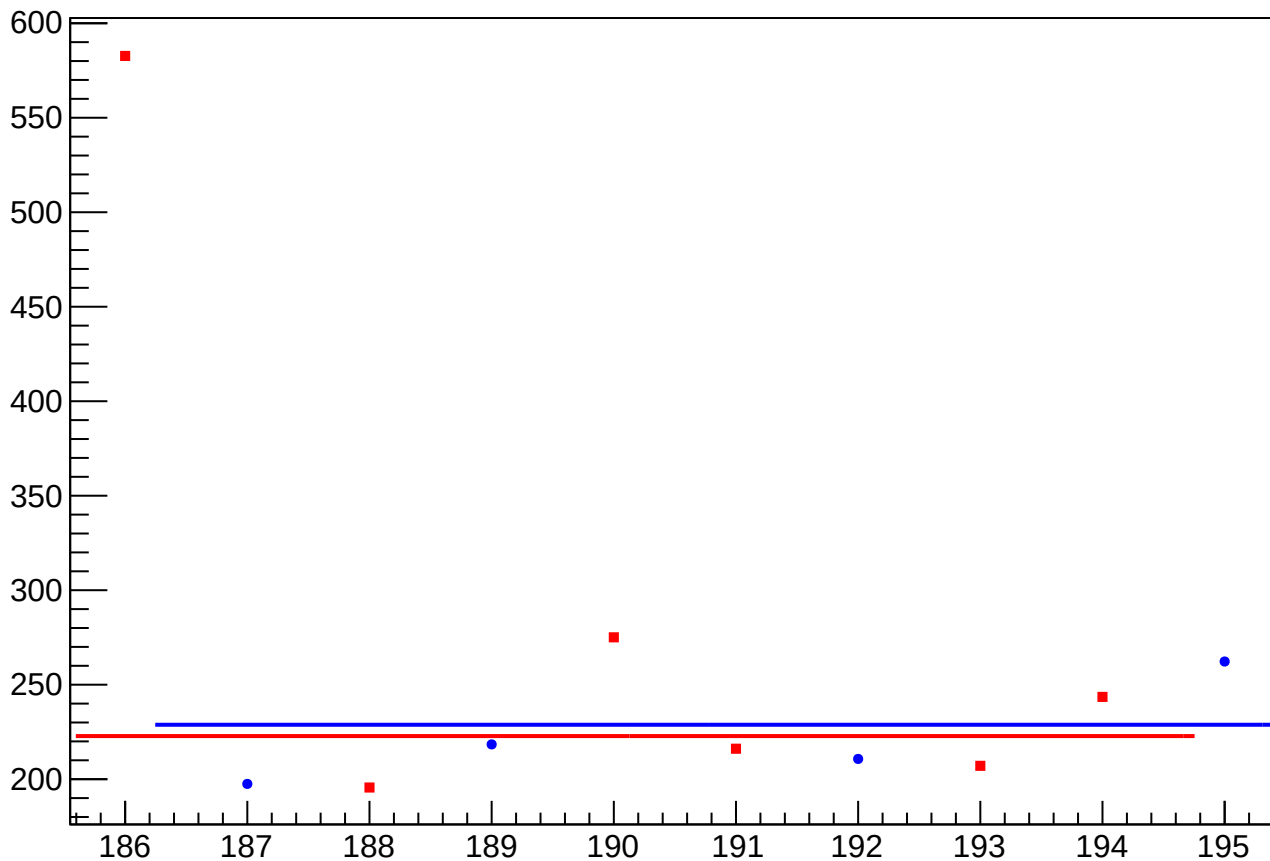
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-40.550 \pm 100.319$   $\chi^2/\text{NDF}$ : 1.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_3726\_avg\_rms vs Slug



Right In: 228.805 $\pm$ 0.120  $\chi^2$ /NDF: 41947.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 222.811 $\pm$ 0.088  $\chi^2$ /NDF: 365720.9/5

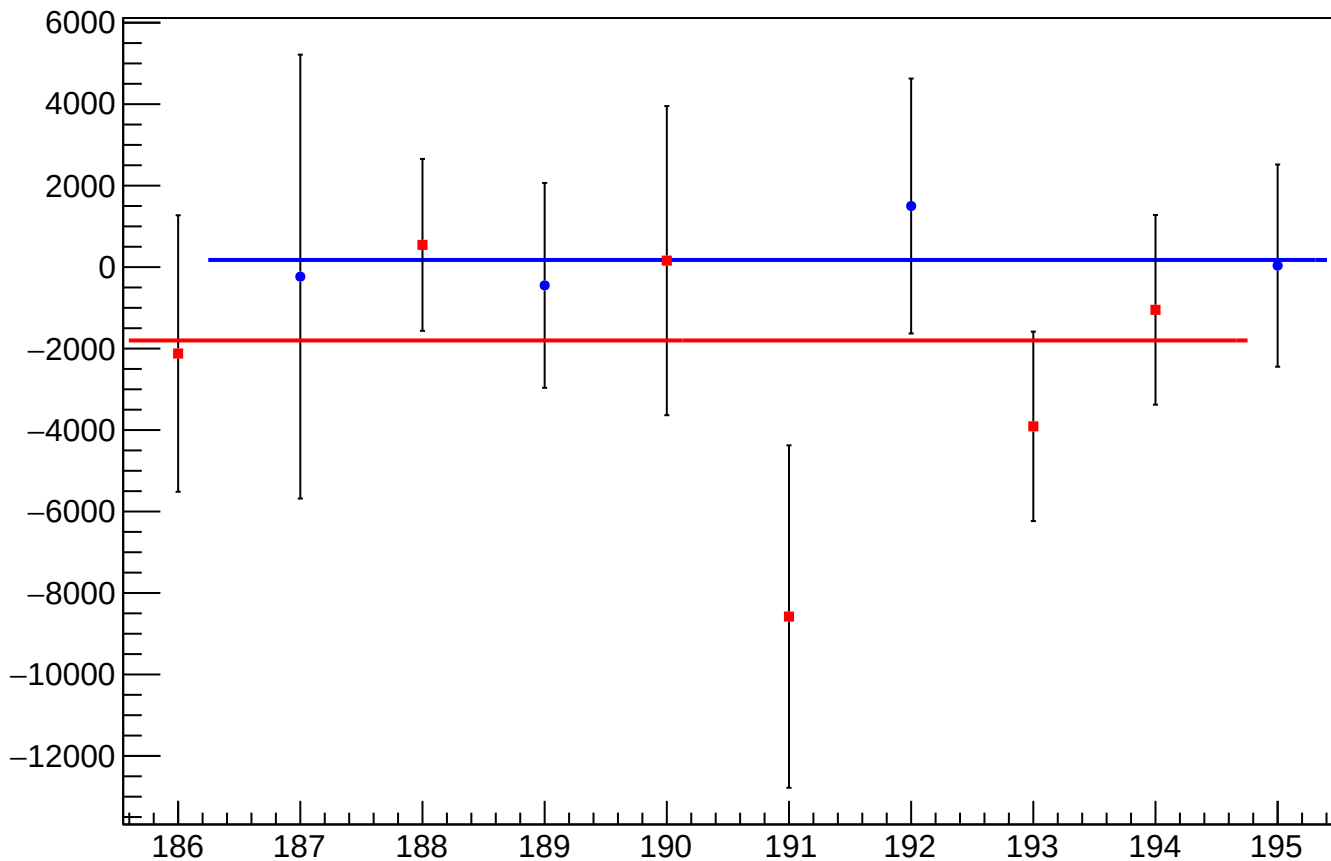
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 224.913 $\pm$ 0.071  $\chi^2$ /NDF: 409294.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_3726\_avg\_correction\_mean vs Slug



Right In:  $175.951 \pm 1480.337$   $\chi^2/\text{NDF}$ : 0.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1800.369 \pm 1113.380$   $\chi^2/\text{NDF}$ : 5.0/5

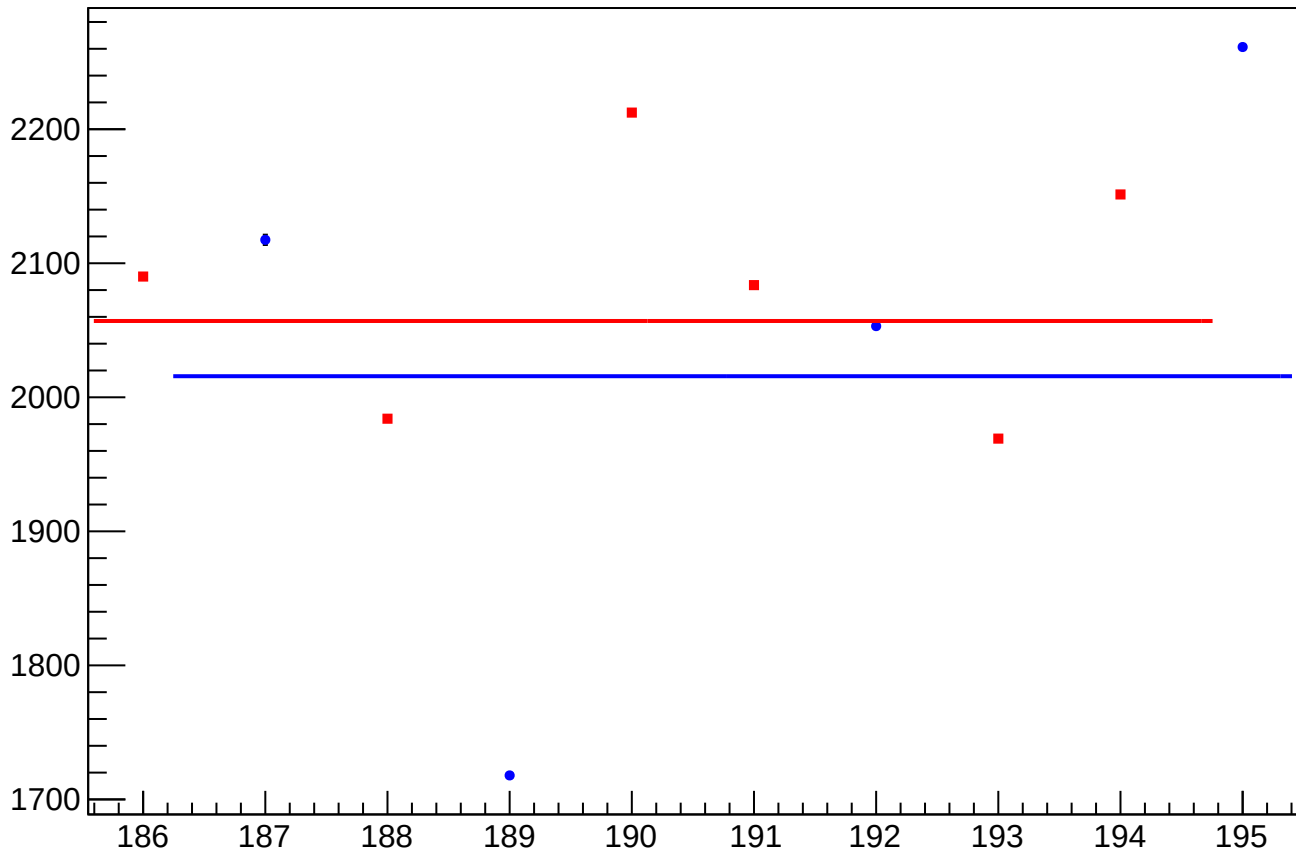
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1086.330 \pm 889.801$   $\chi^2/\text{NDF}$ : 6.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_3726\_avg\_correction\_rms vs Slug



Right In: 2015.729 $\pm$ 1.047  $\chi^2$ /NDF: 48625.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 2056.932 $\pm$ 0.787  $\chi^2$ /NDF: 12150.4/5

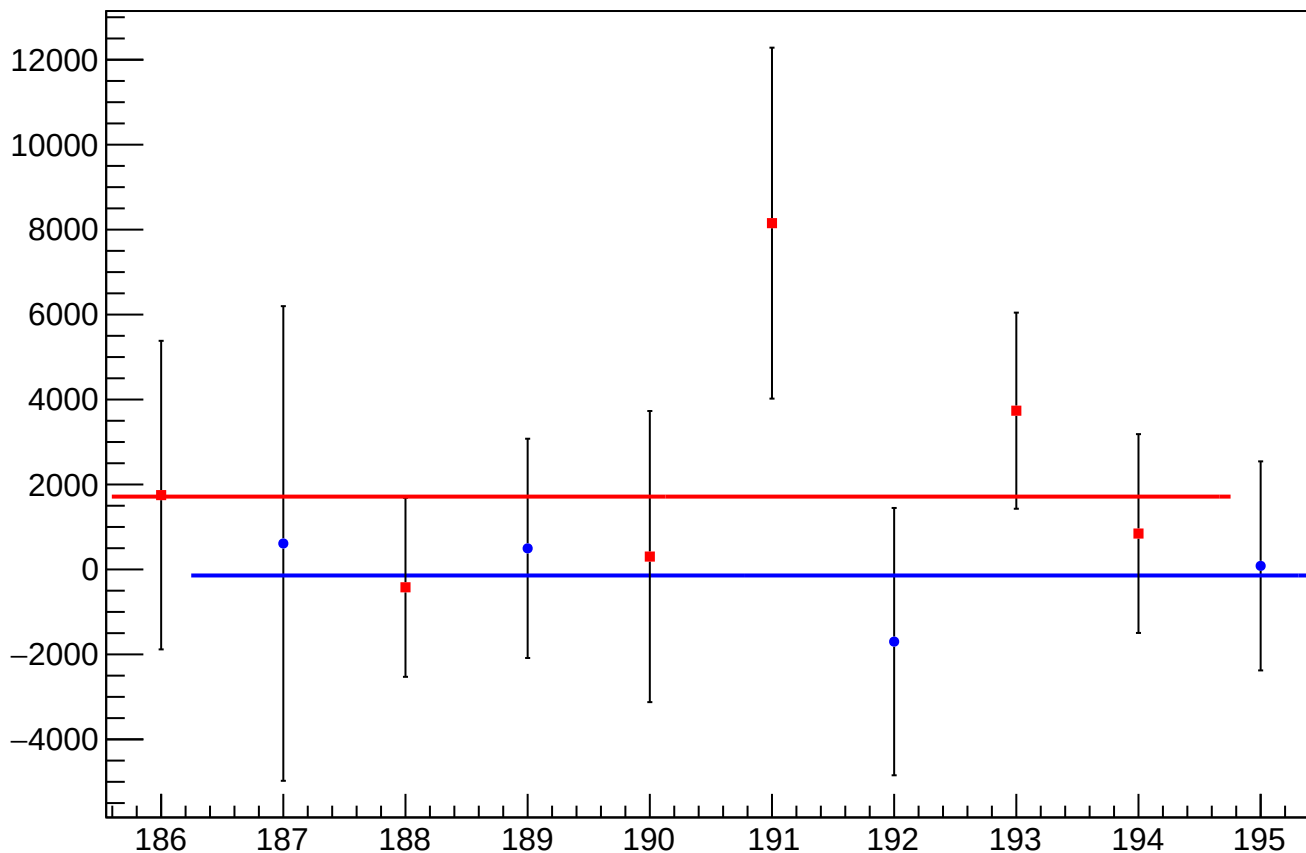
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2042.045 $\pm$ 0.629  $\chi^2$ /NDF: 61765.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 1714.807+/-1107.823  $\chi^2/\text{NDF}$ : 4.5/5

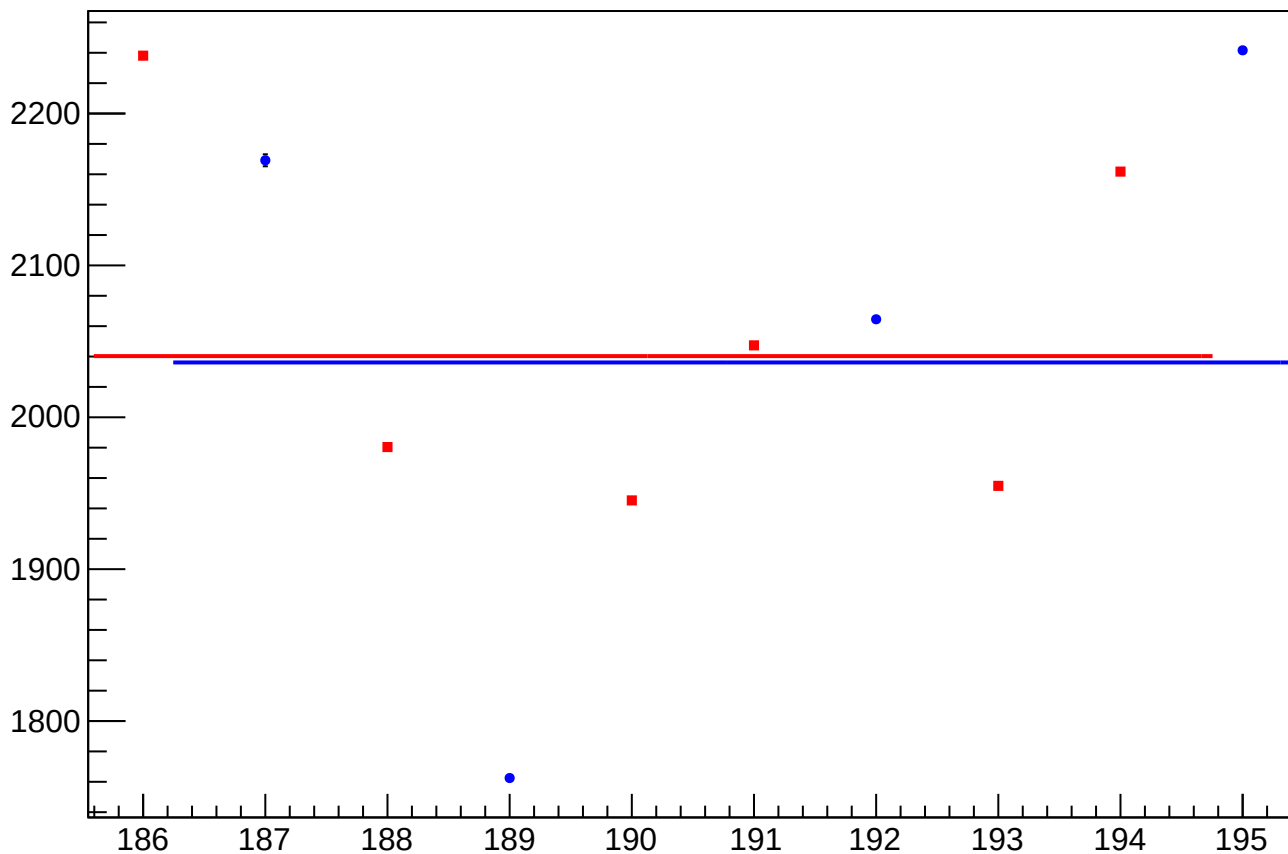
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1055.774+/-889.779  $\chi^2/\text{NDF}$ : 5.9/9

- 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: 2040.279 $\pm$ 0.783  $\chi^2$ /NDF: 17217.2/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

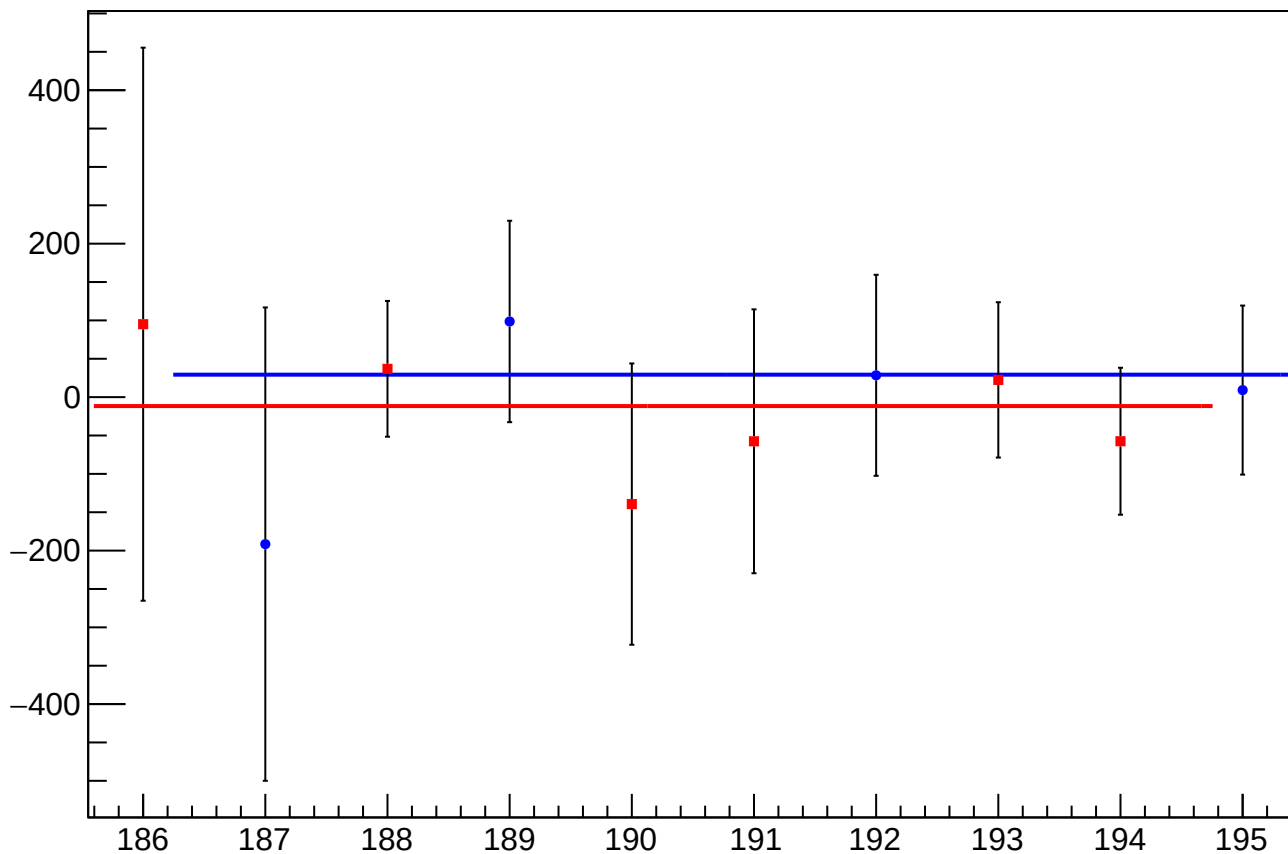
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2038.798 $\pm$ 0.629  $\chi^2$ /NDF: 54953.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_asym\_sam\_15\_48\_dd\_mean vs Slug



Right In: 29.273+/-69.121  $\chi^2/\text{NDF}$ : 0.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -11.644+/-49.645  $\chi^2/\text{NDF}$ : 1.3/5

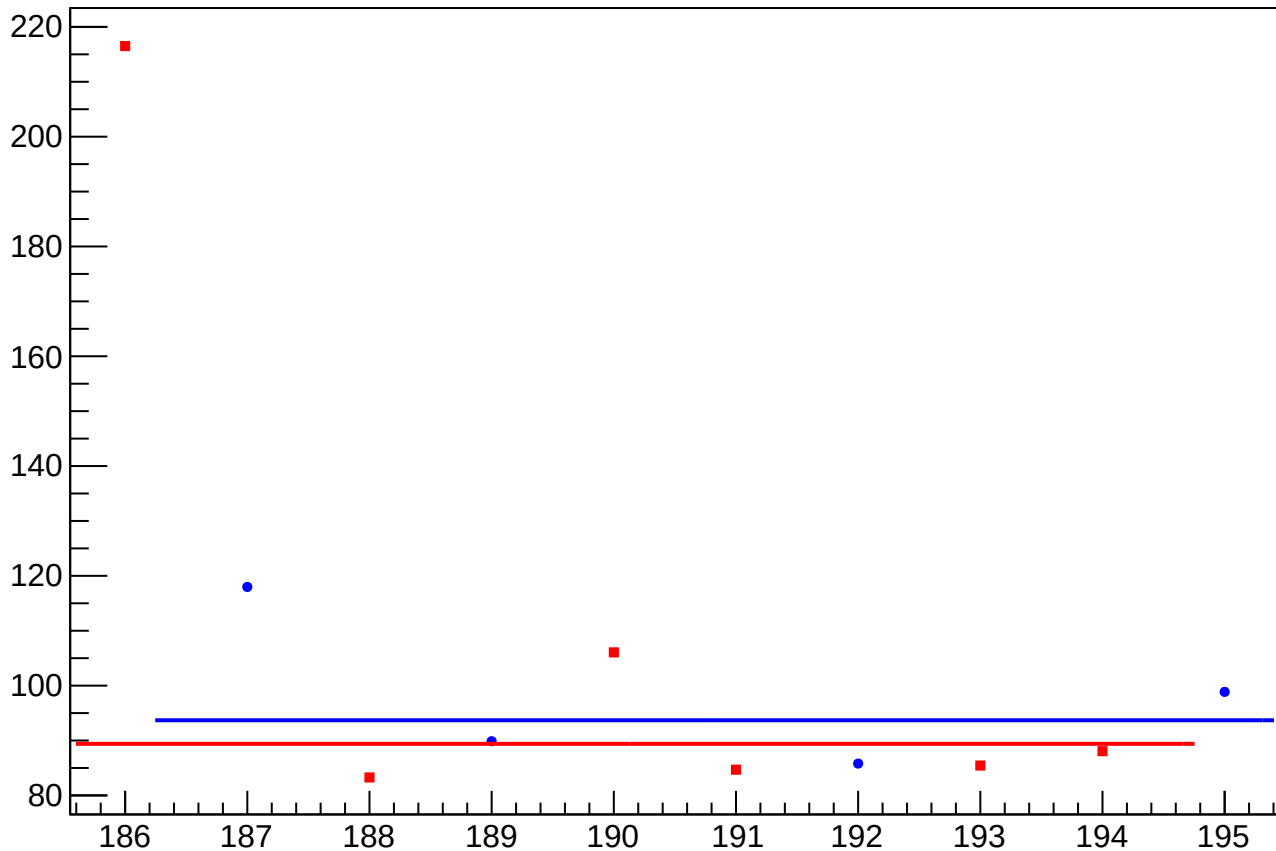
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.281+/-40.322  $\chi^2/\text{NDF}$ : 2.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_15\_48\_dd\_rms vs Slug



Right In: 93.692 $\pm$ 0.049  $\chi^2$ /NDF: 25755.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 89.400 $\pm$ 0.035  $\chi^2$ /NDF: 279900.6/5

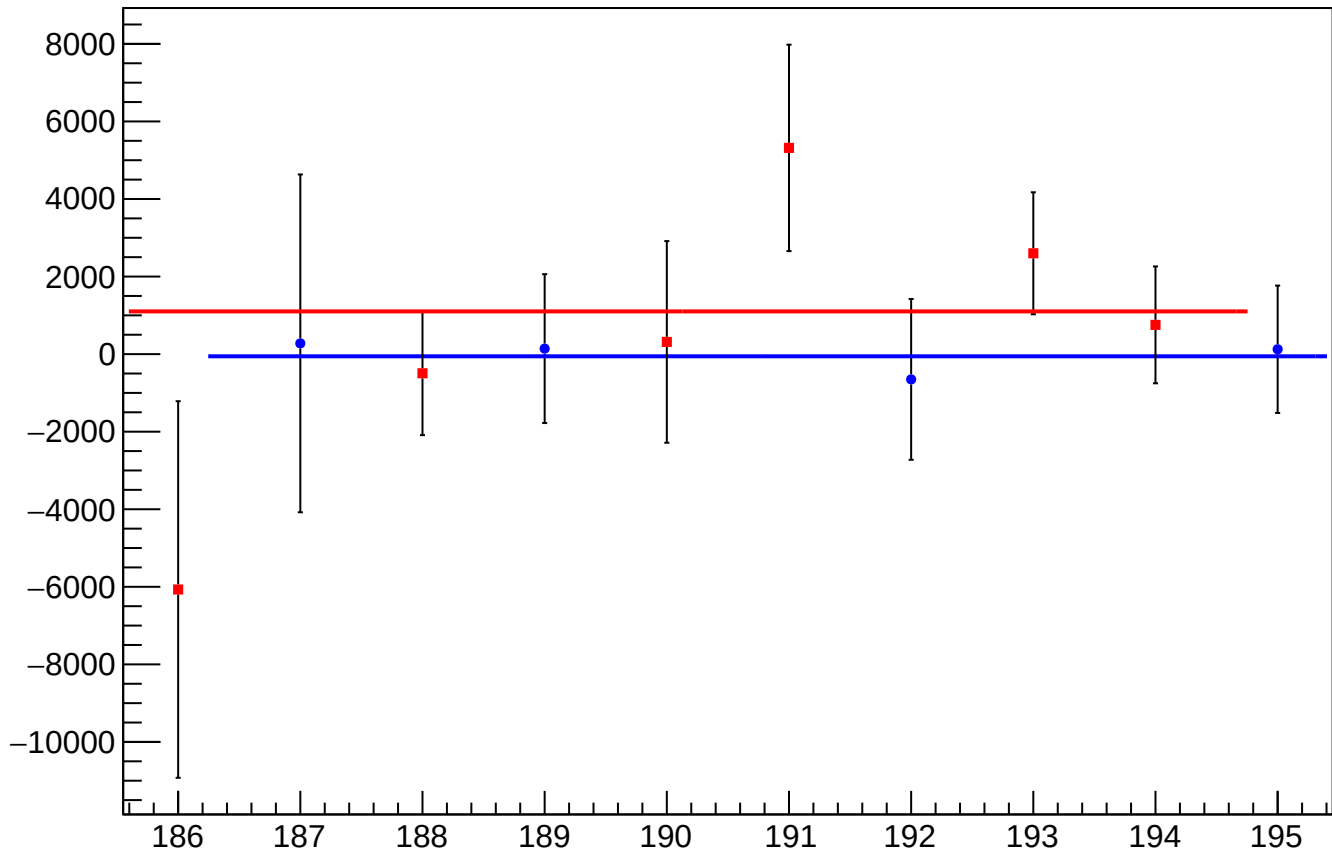
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 90.860 $\pm$ 0.029  $\chi^2$ /NDF: 310743.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_48\_dd\_correction\_mean vs Slug



Right In: -55.954 $\pm$ 1038.338  $\chi^2$ /NDF: 0.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1101.797 $\pm$ 798.272  $\chi^2$ /NDF: 6.7/5

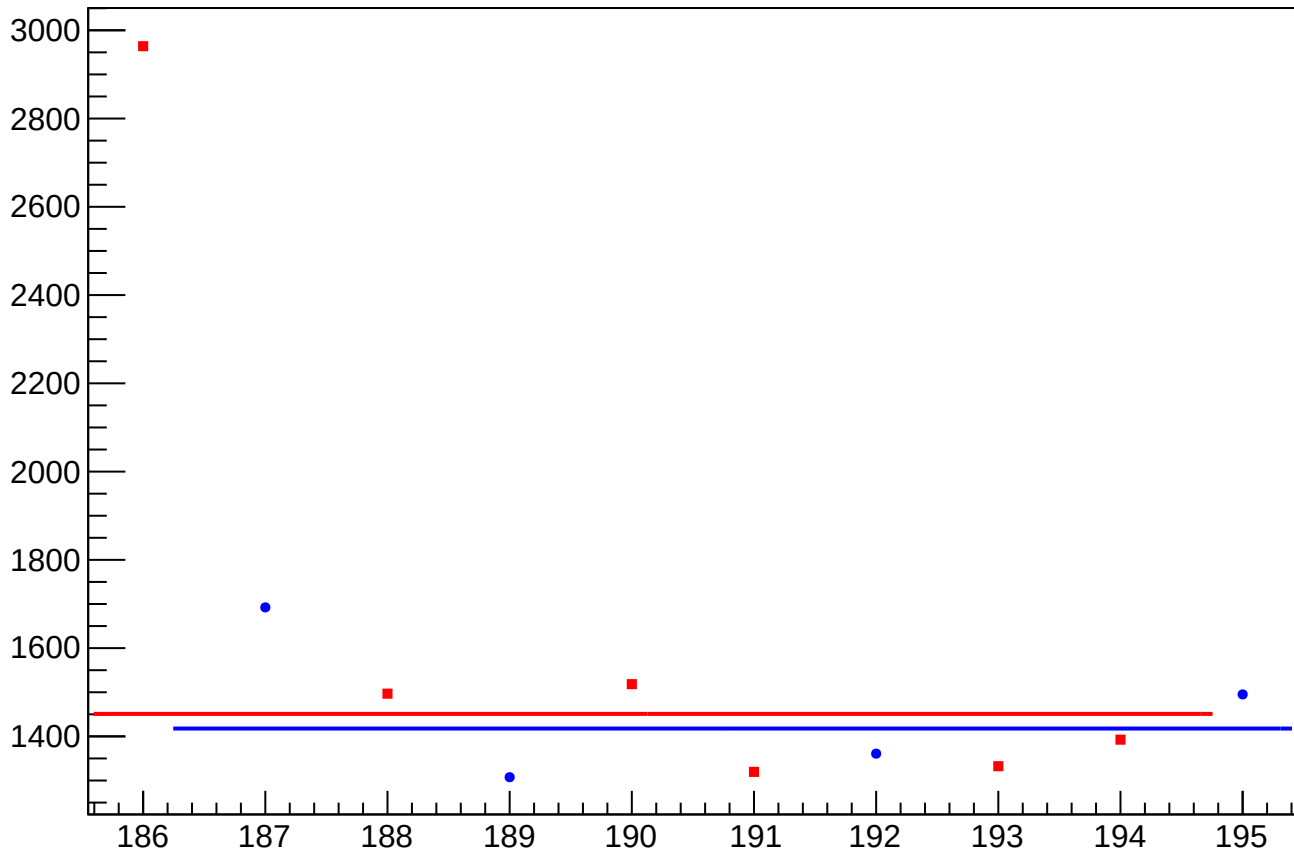
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 671.711 $\pm$ 632.862  $\chi^2$ /NDF: 7.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_48\_dd\_correction\_rms vs Slug



Right In: 1417.765 $\pm$ 0.734  $\chi^2$ /NDF: 20489.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1450.952 $\pm$ 0.564  $\chi^2$ /NDF: 216419.2/5

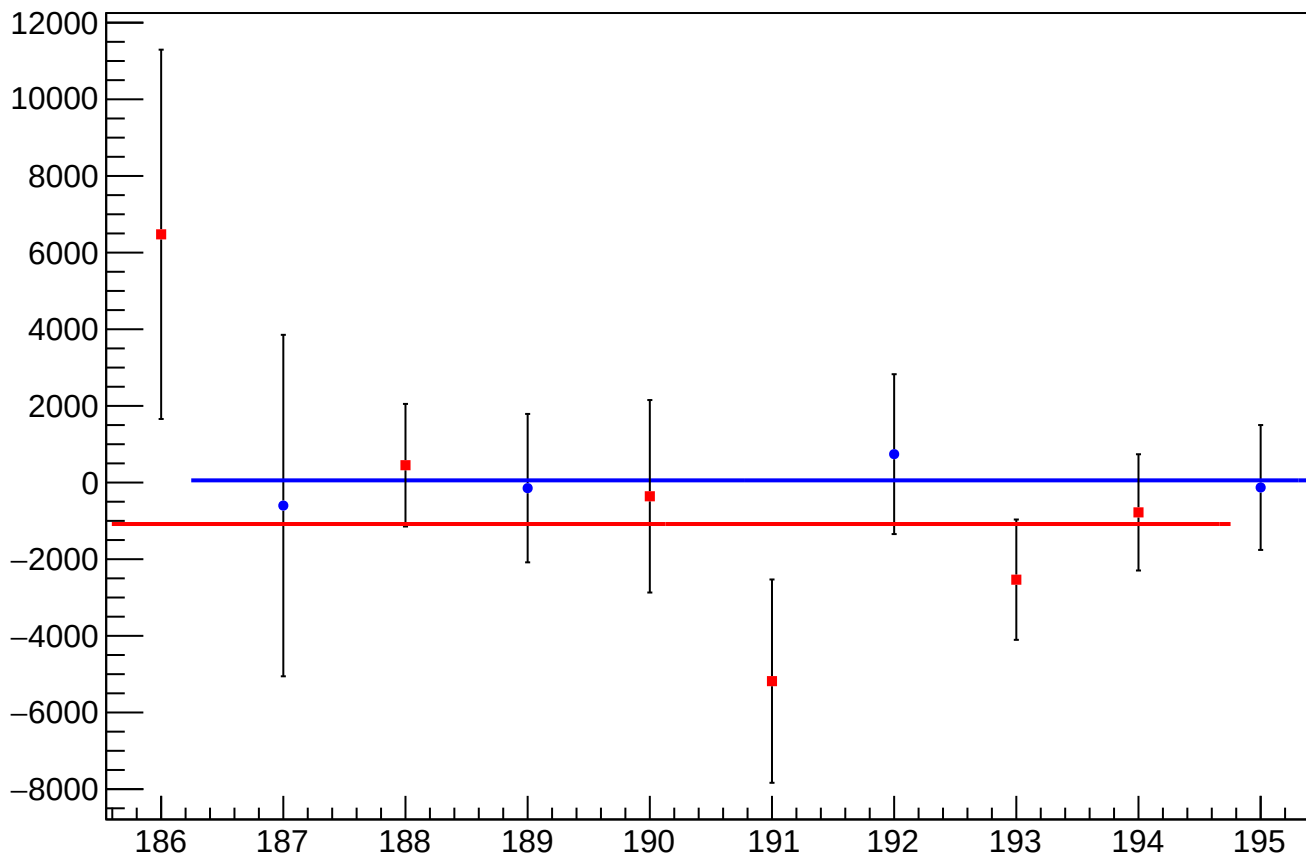
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1438.623 $\pm$ 0.448  $\chi^2$ /NDF: 238193.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: -1081.837+/-796.807  $\chi^2/\text{NDF}$ : 6.7/5

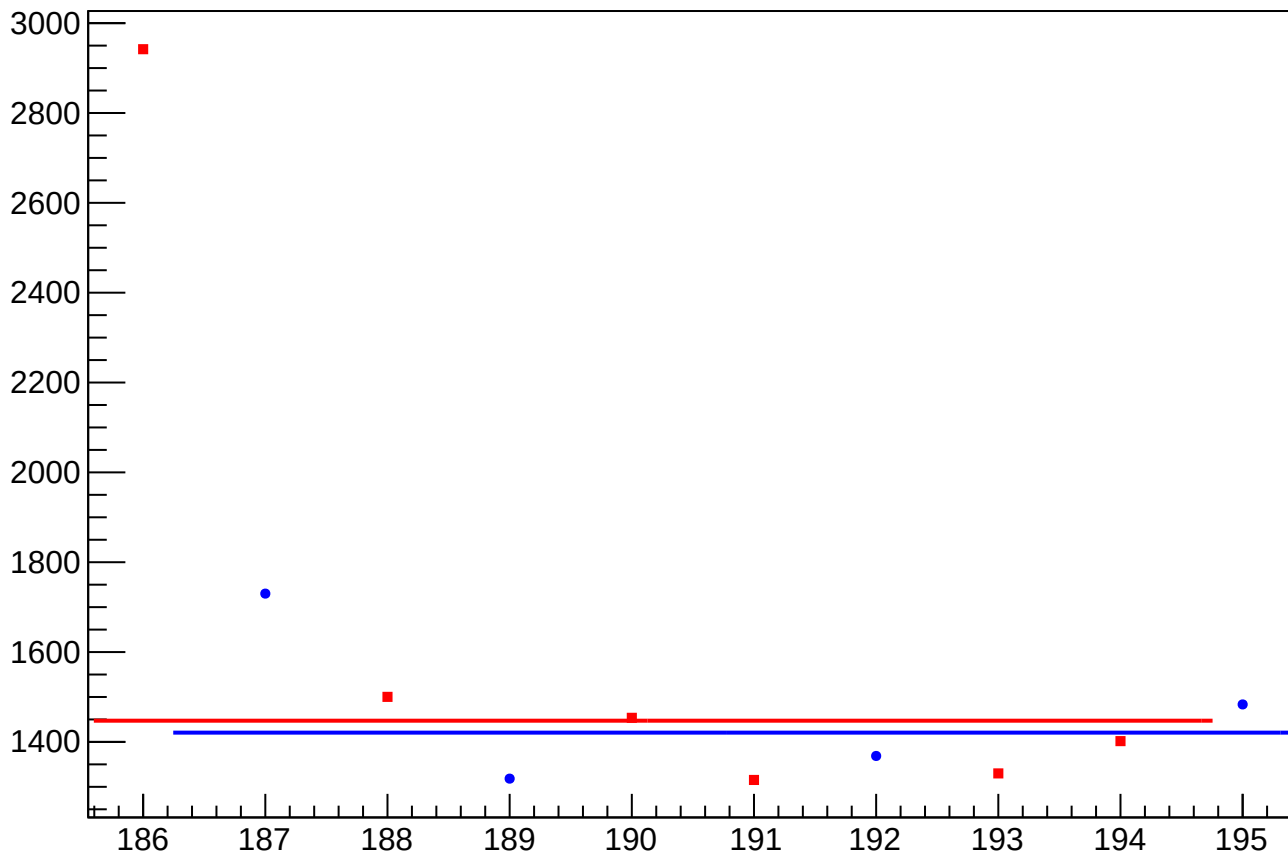
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -660.824+/-632.620  $\chi^2/\text{NDF}$ : 7.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_48\_dd\_rms vs Slug



Right In: 1420.652+/-0.736  $\chi^2/\text{NDF}$ : 19453.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1447.231+/-0.563  $\chi^2/\text{NDF}$ : 212595.4/5

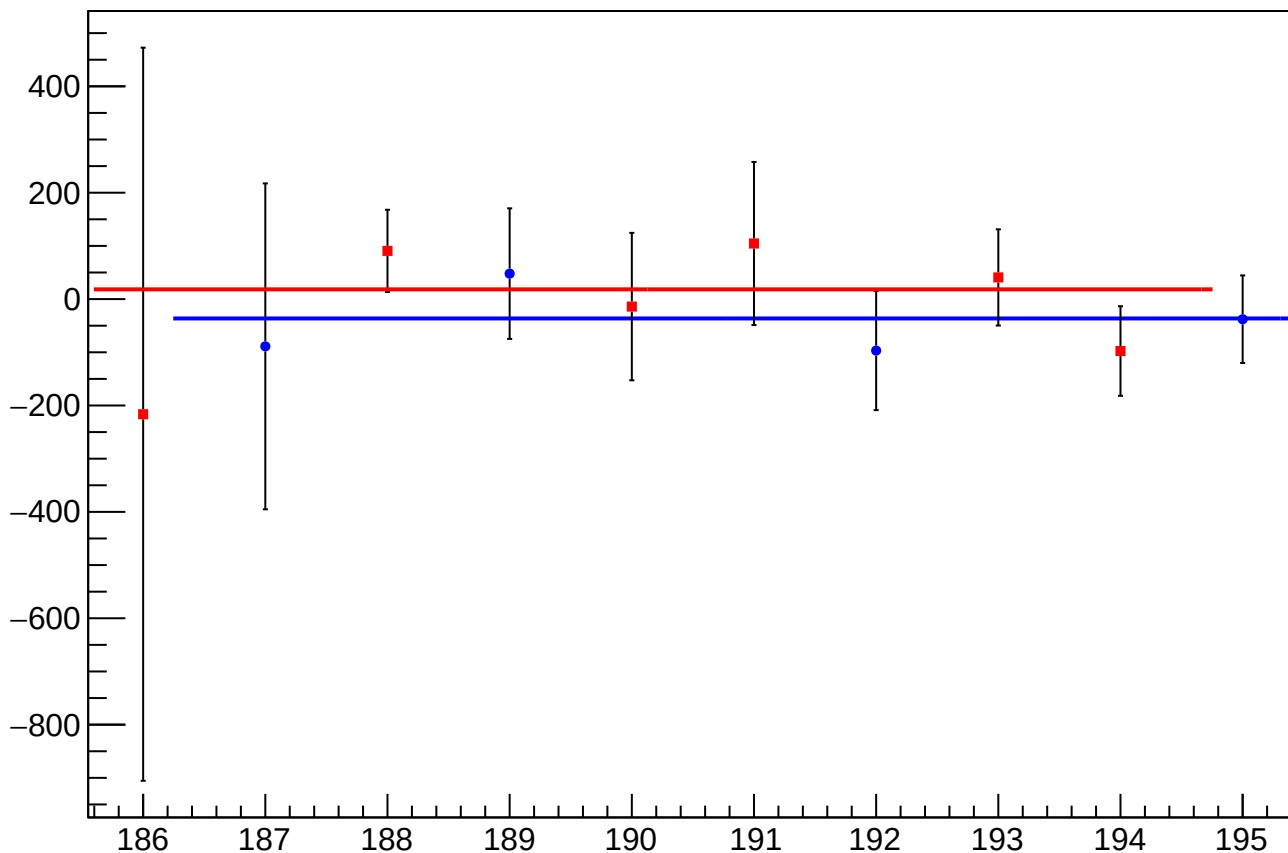
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1437.406+/-0.447  $\chi^2/\text{NDF}$ : 232871.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_48\_dd\_mean vs Slug



Right In:  $-36.382 \pm 57.328$   $\chi^2/\text{NDF}$ : 0.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $18.336 \pm 43.542$   $\chi^2/\text{NDF}$ : 3.3/5

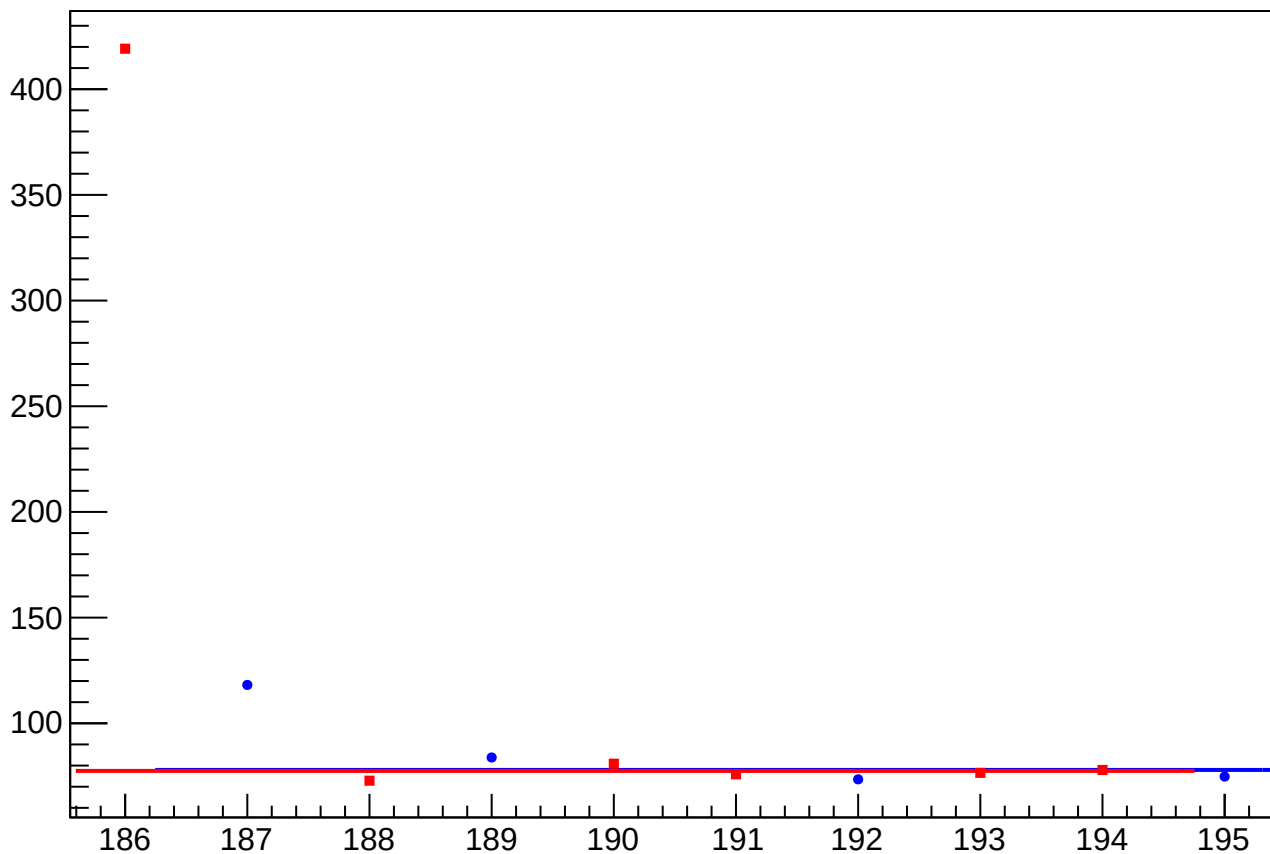
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.682 \pm 34.675$   $\chi^2/\text{NDF}$ : 4.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_37\_48\_dd\_rms vs Slug



Right In: 77.940 $\pm$ 0.041  $\chi^2$ /NDF: 45158.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 77.481 $\pm$ 0.031  $\chi^2$ /NDF: 500582.9/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

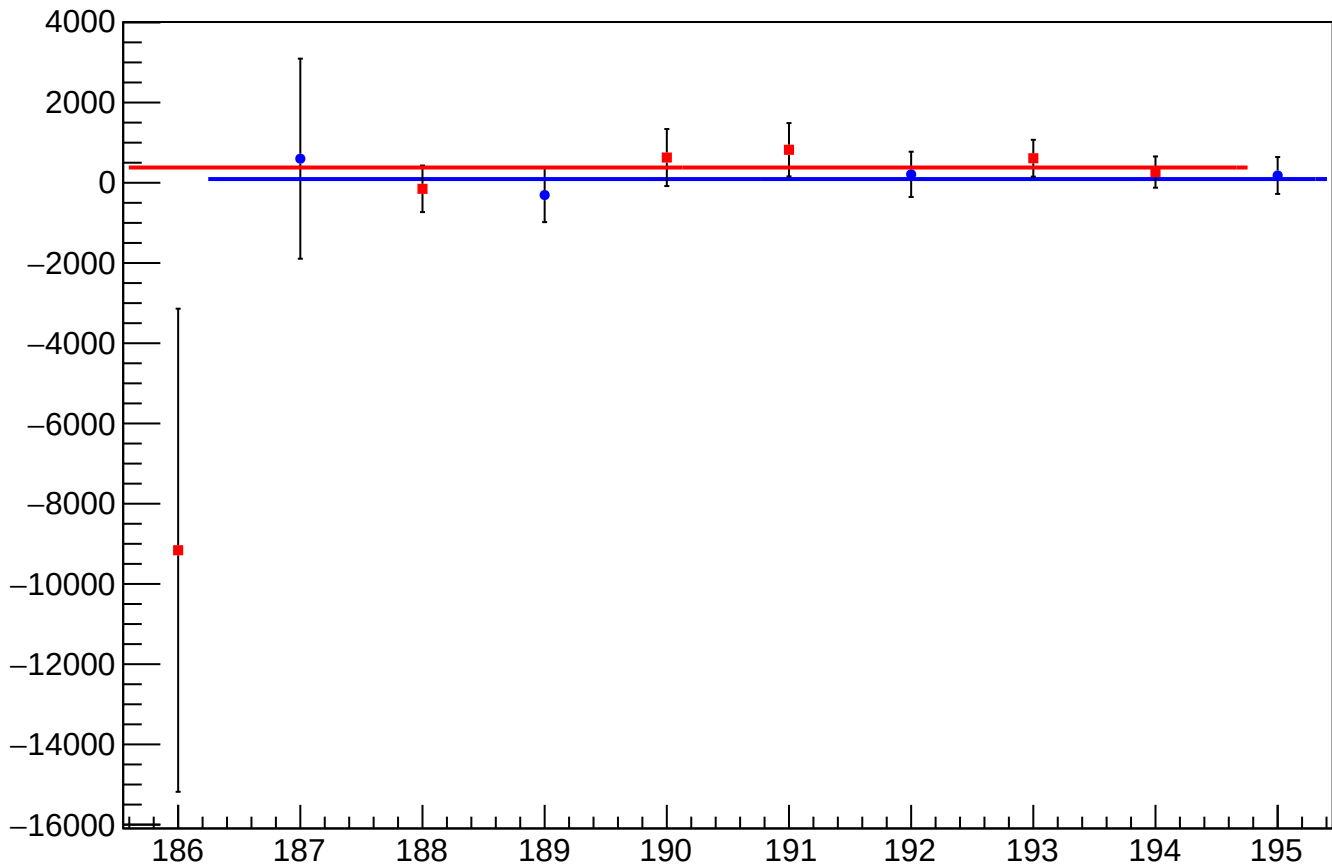
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 77.649 $\pm$ 0.025  $\chi^2$ /NDF: 545822.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_37\_48\_dd\_correction\_mean vs Slug



Right In: 92.598+/-312.567  $\chi^2/\text{NDF}$ : 0.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 380.504+/-232.086  $\chi^2/\text{NDF}$ : 4.3/5

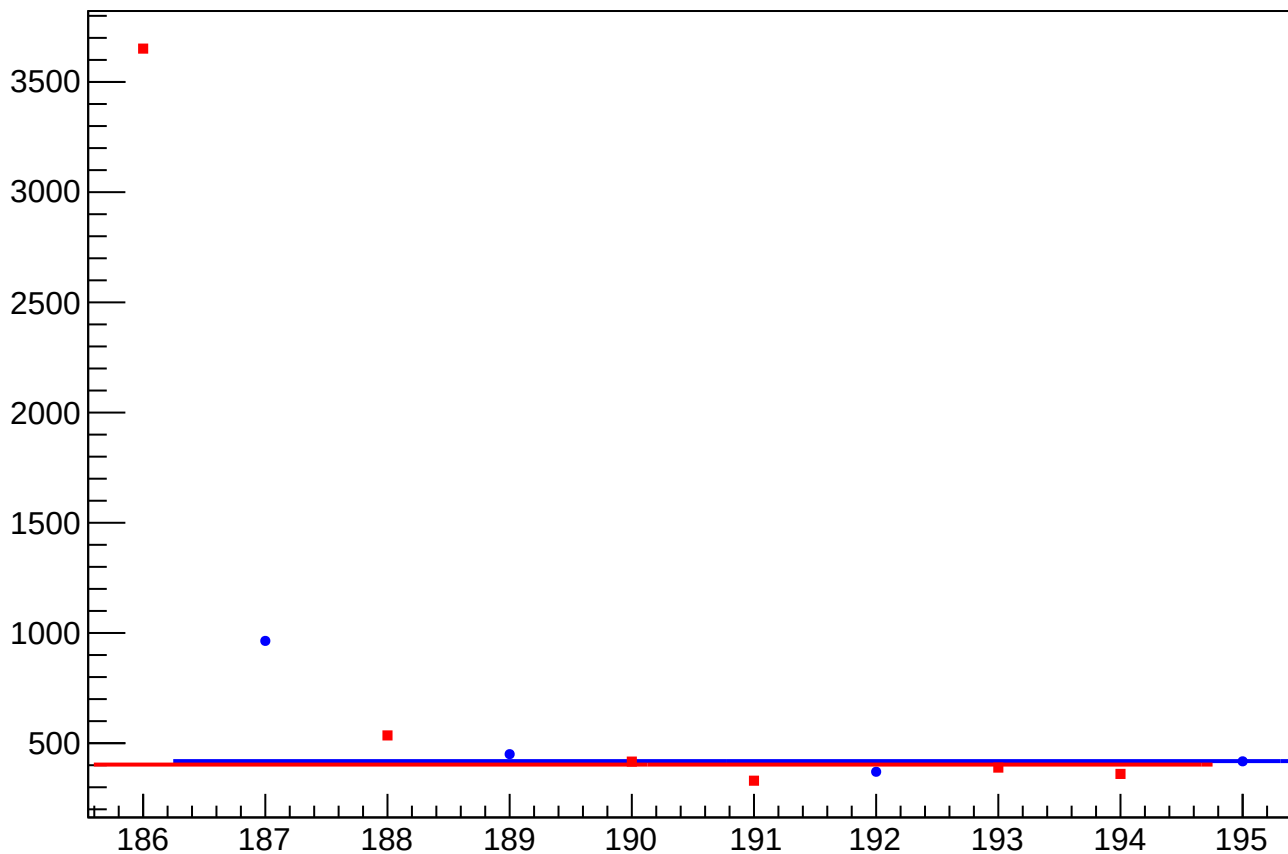
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 278.184+/-186.336  $\chi^2/\text{NDF}$ : 5.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_48\_dd\_correction\_rms vs Slug



Right In: 418.699 $\pm$ 0.221  $\chi^2$ /NDF: 114763.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 402.908 $\pm$ 0.164  $\chi^2$ /NDF: 736380.7/5

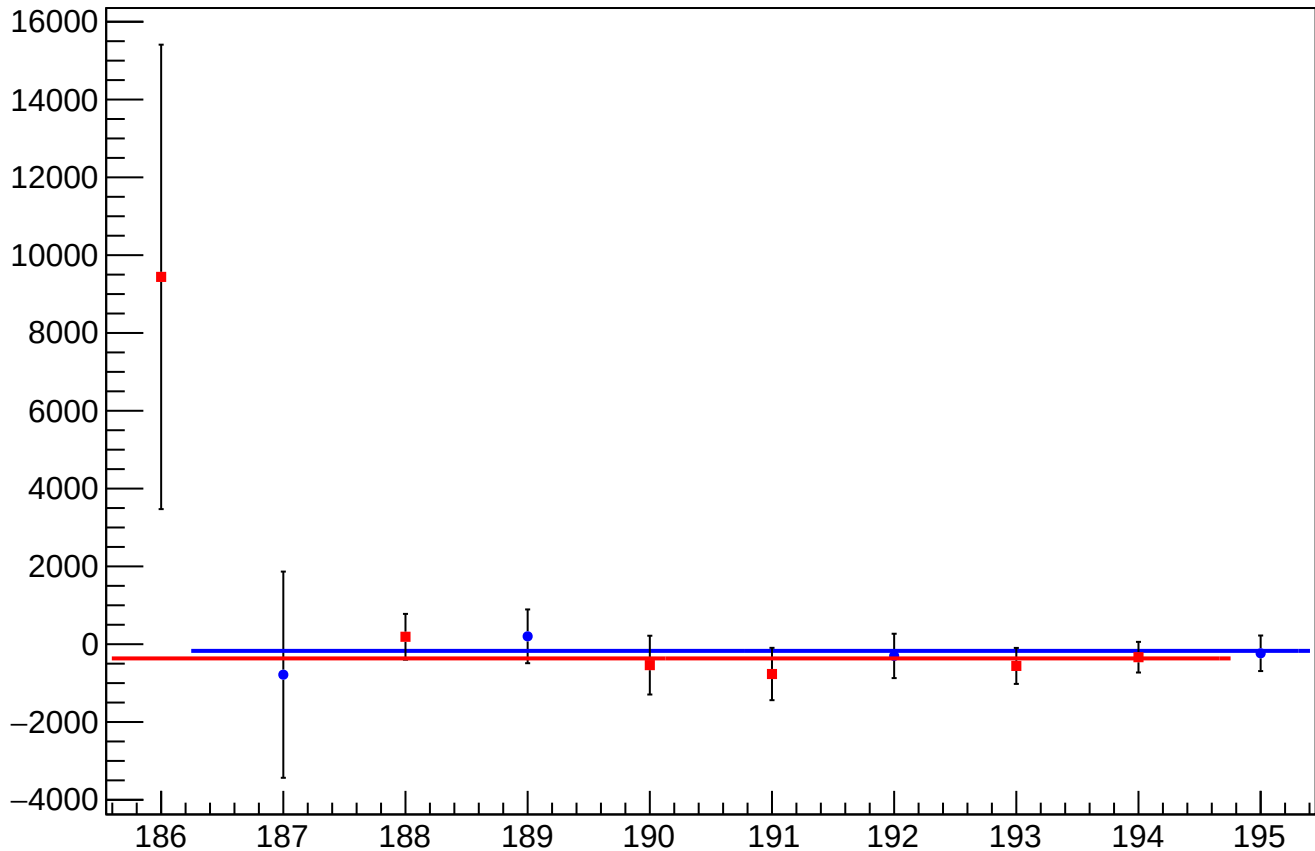
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 408.520 $\pm$ 0.132  $\chi^2$ /NDF: 854434.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: -365.505+/-235.682  $\chi^2/\text{NDF}$ : 4.2/5

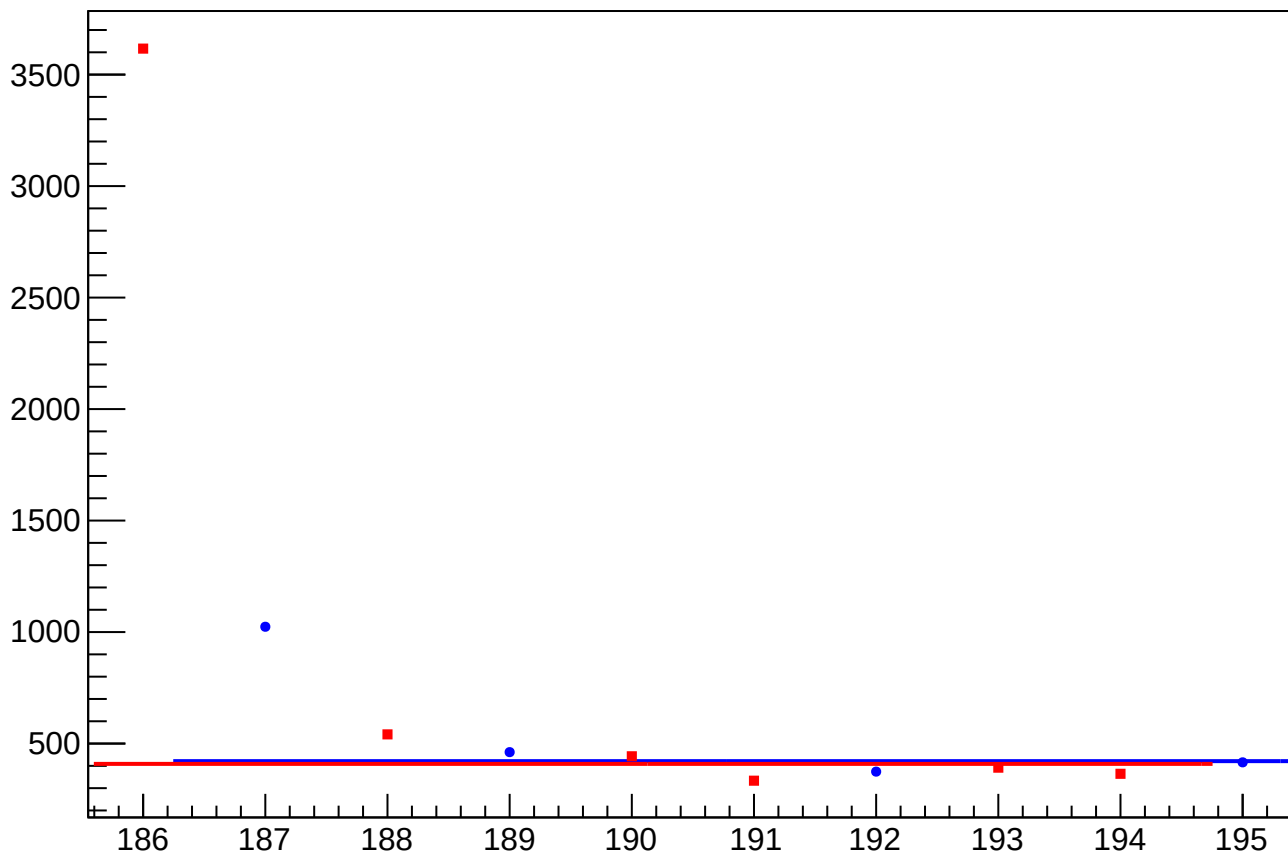
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -295.798+/-188.624  $\chi^2/\text{NDF}$ : 4.8/9

- 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: 408.867+/-0.167  $\chi^2/\text{NDF}$ : 736266.2/5

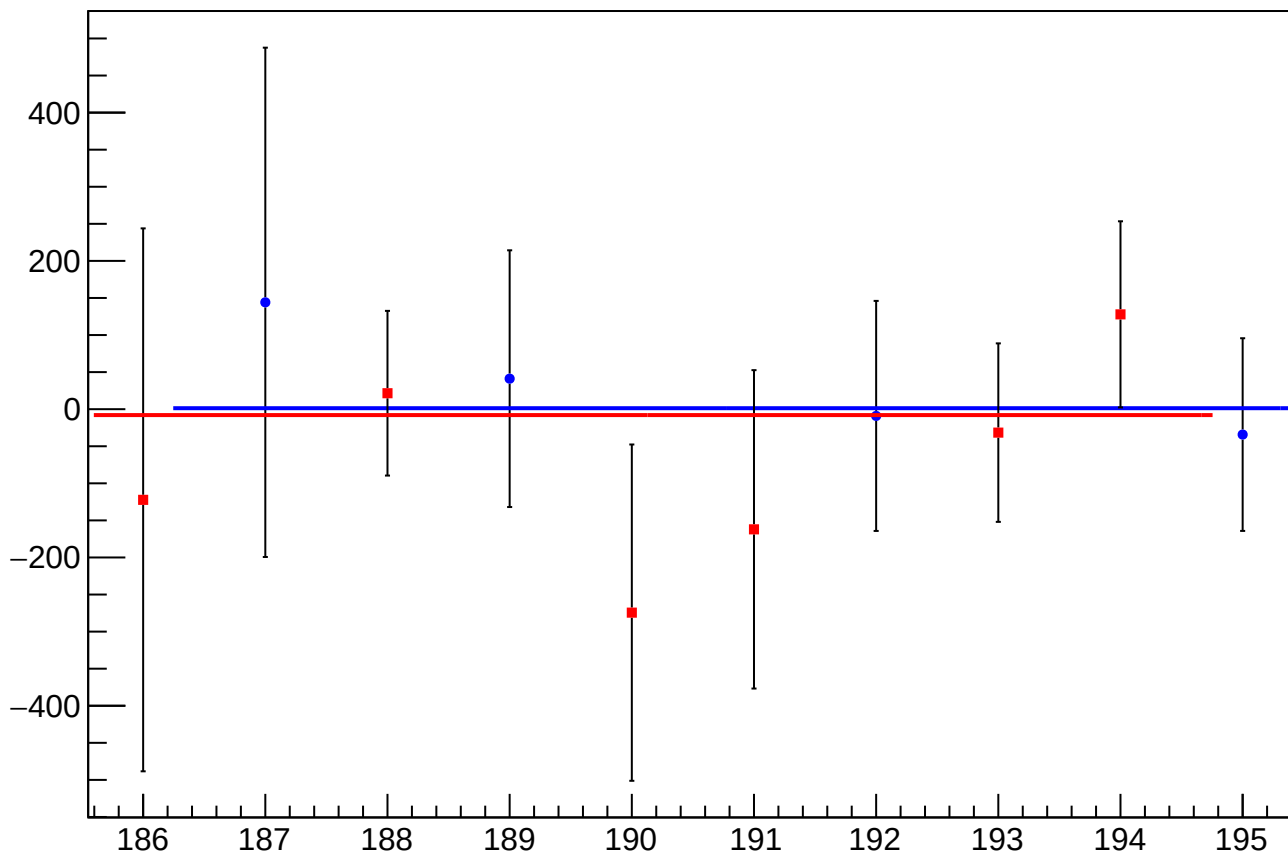
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 413.291+/-0.133  $\chi^2/\text{NDF}$ : 862336.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_15\_26\_dd\_mean vs Slug



Right In: 1.322 $\pm$ 83.733  $\chi^2$ /NDF: 0.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -7.953 $\pm$ 61.765  $\chi^2$ /NDF: 3.3/5

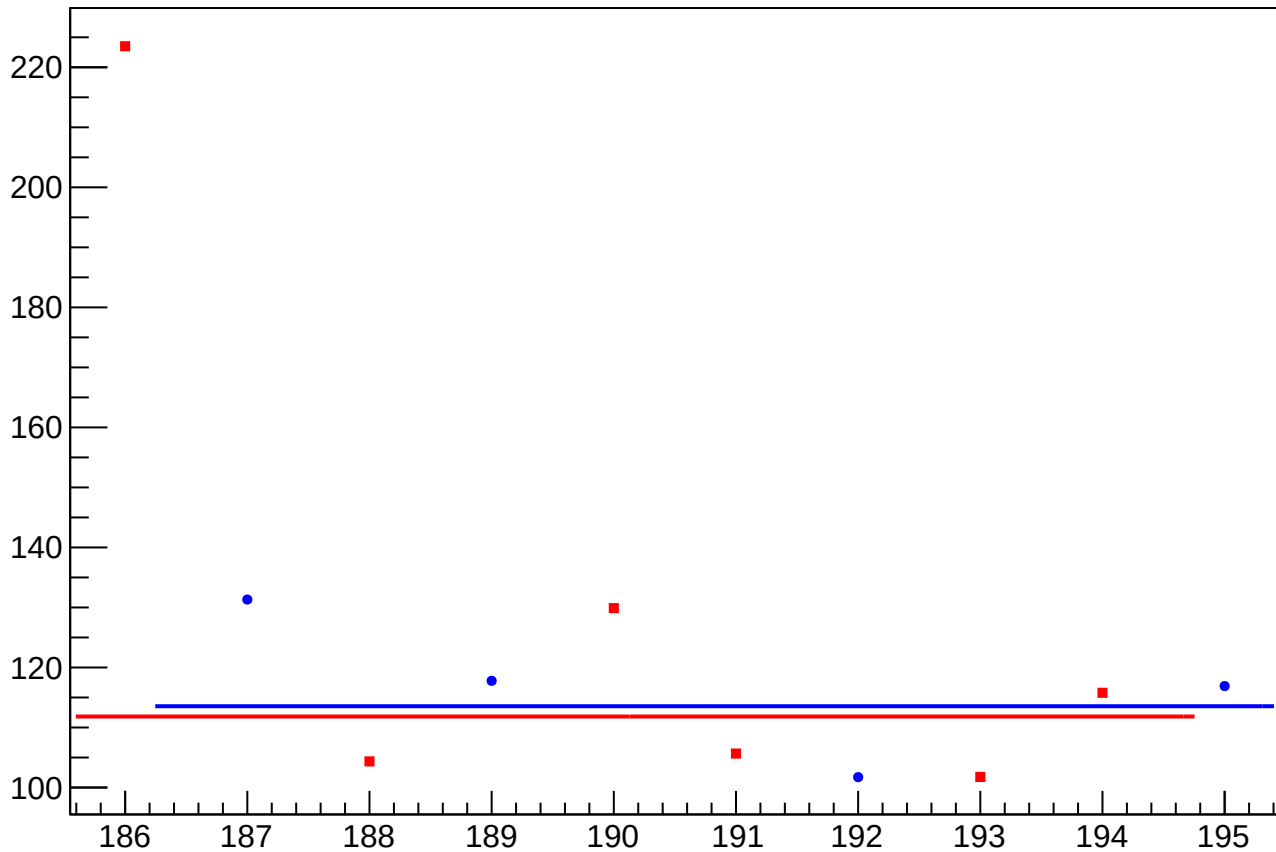
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -4.684 $\pm$ 49.706  $\chi^2$ /NDF: 3.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_15\_26\_dd\_rms vs Slug



Right In: 113.546 $\pm$ 0.059  $\chi^2$ /NDF: 19494.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 111.831 $\pm$ 0.044  $\chi^2$ /NDF: 225448.3/5

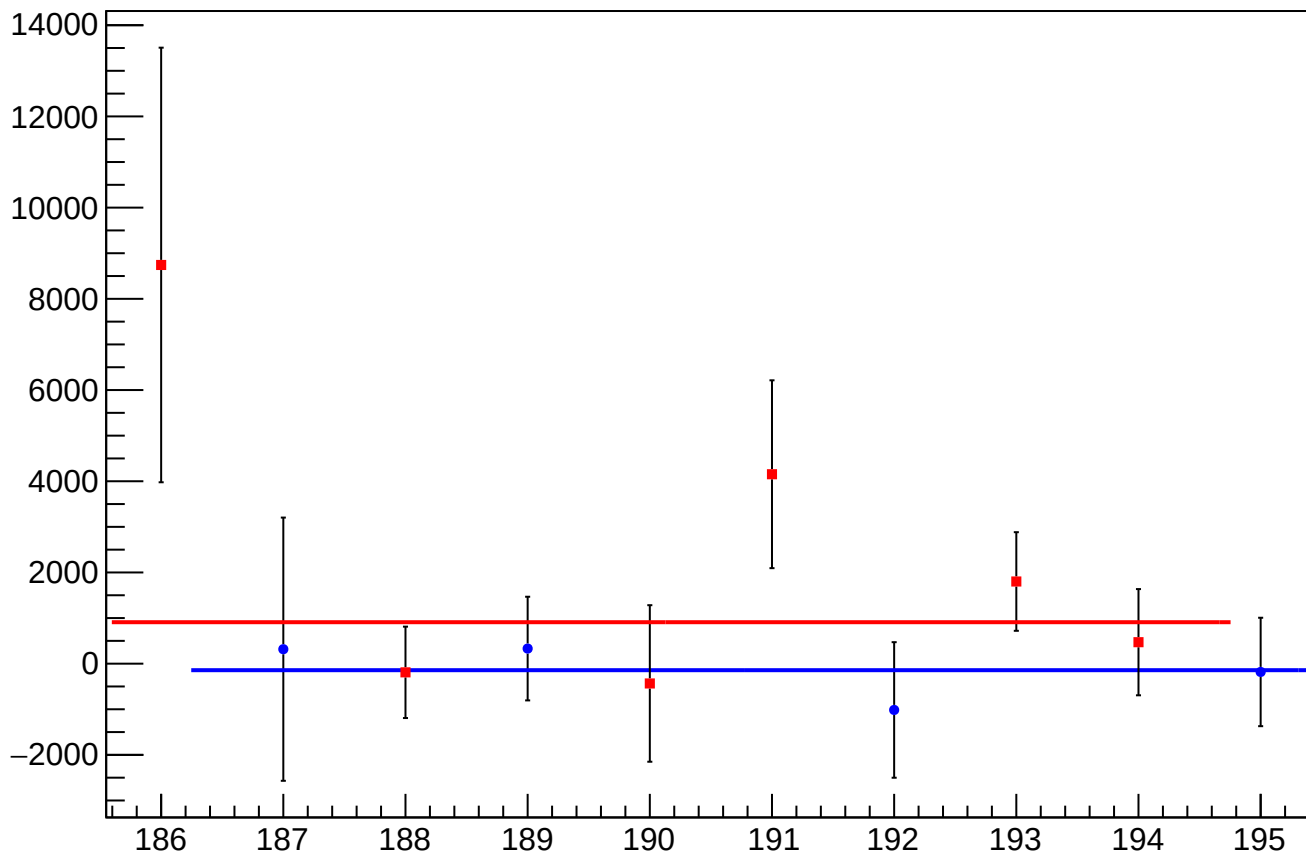
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 112.435 $\pm$ 0.035  $\chi^2$ /NDF: 245486.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_15\_26\_dd\_correction\_mean vs Slug



Right In: -143.029+/-697.661  $\chi^2/\text{NDF}$ : 0.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 909.114+/-558.324  $\chi^2/\text{NDF}$ : 7.8/5

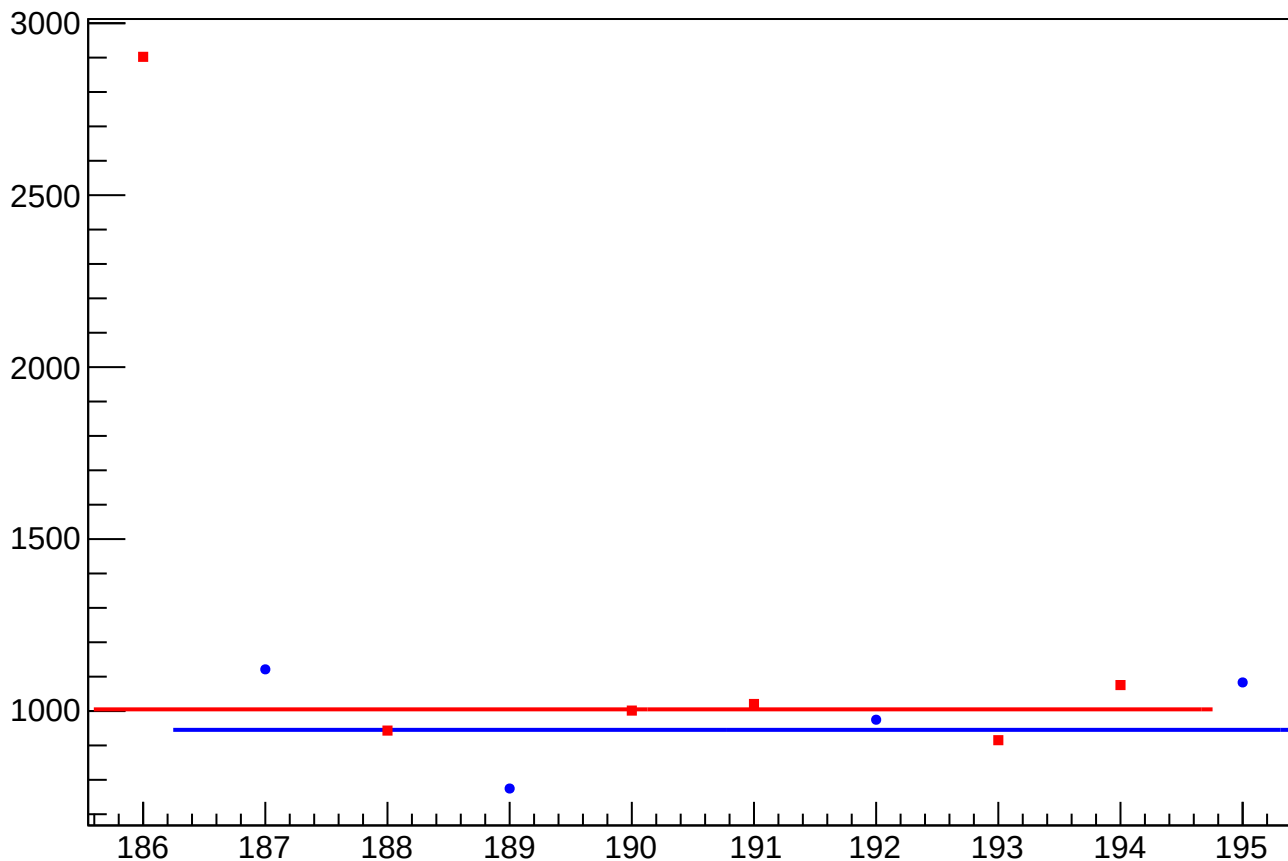
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 498.347+/-435.918  $\chi^2/\text{NDF}$ : 9.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_15\_26\_dd\_correction\_rms vs Slug



Right In: 945.301+/-0.493  $\chi^2/\text{NDF}$ : 80180.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1004.908+/-0.395  $\chi^2/\text{NDF}$ : 345939.7/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

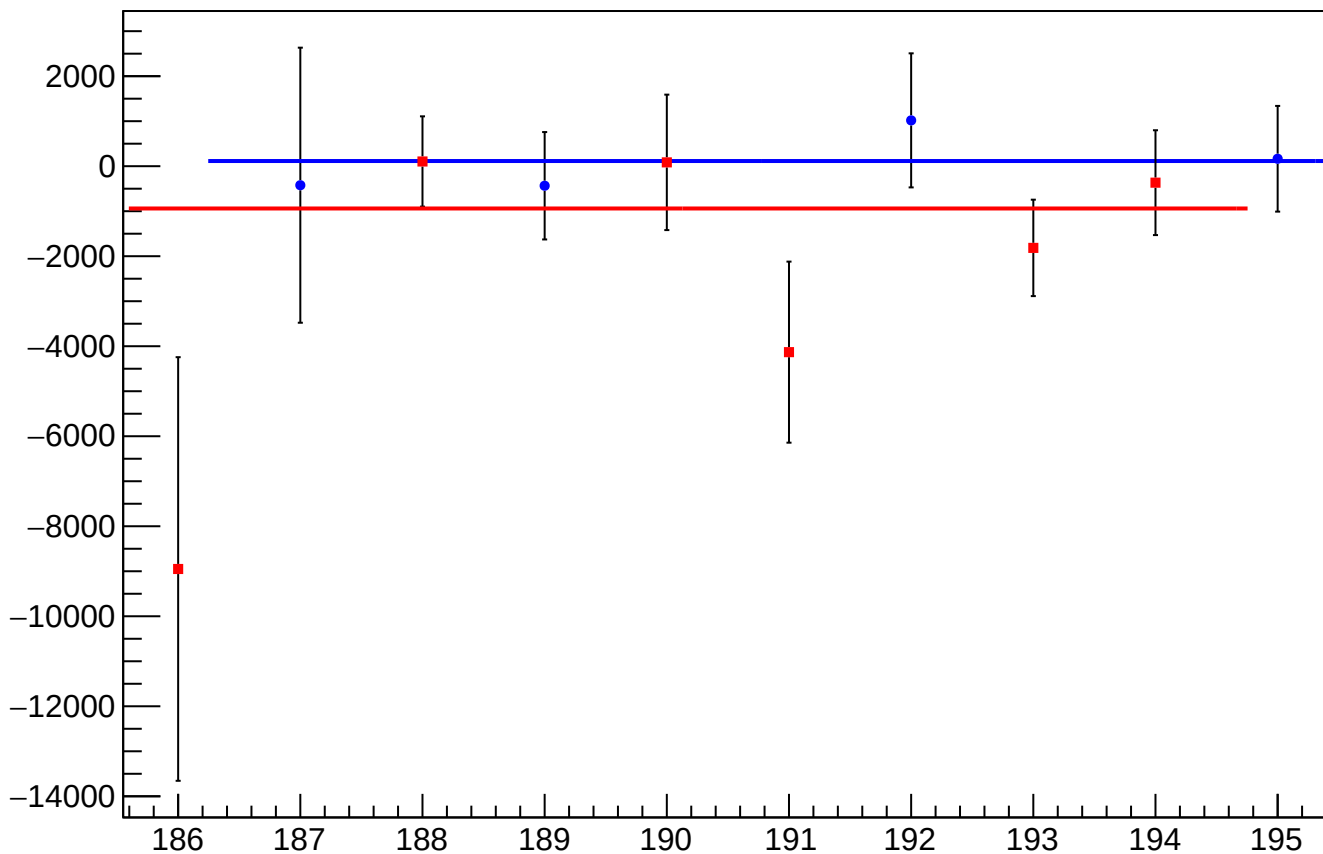
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 981.637+/-0.308  $\chi^2/\text{NDF}$ : 435019.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# asym\_sam\_15\_26\_dd\_mean vs Slug



Right In: 114.875 $\pm$ 709.671  $\chi^2$ /NDF: 0.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -939.651 $\pm$ 547.461  $\chi^2$ /NDF: 7.9/5

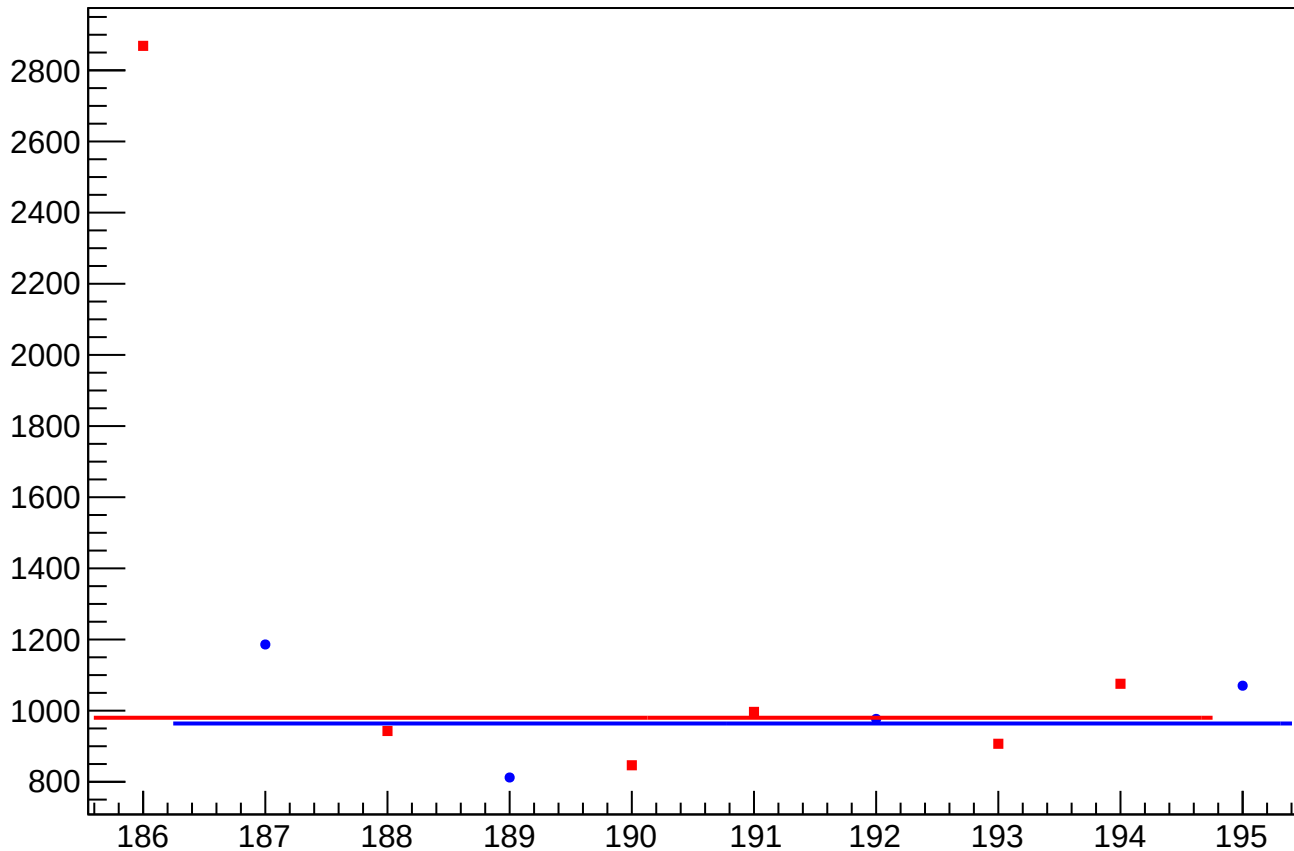
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -546.227 $\pm$ 433.470  $\chi^2$ /NDF: 9.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 980.085+/-0.387  $\chi^2/\text{NDF}$ : 363542.8/5

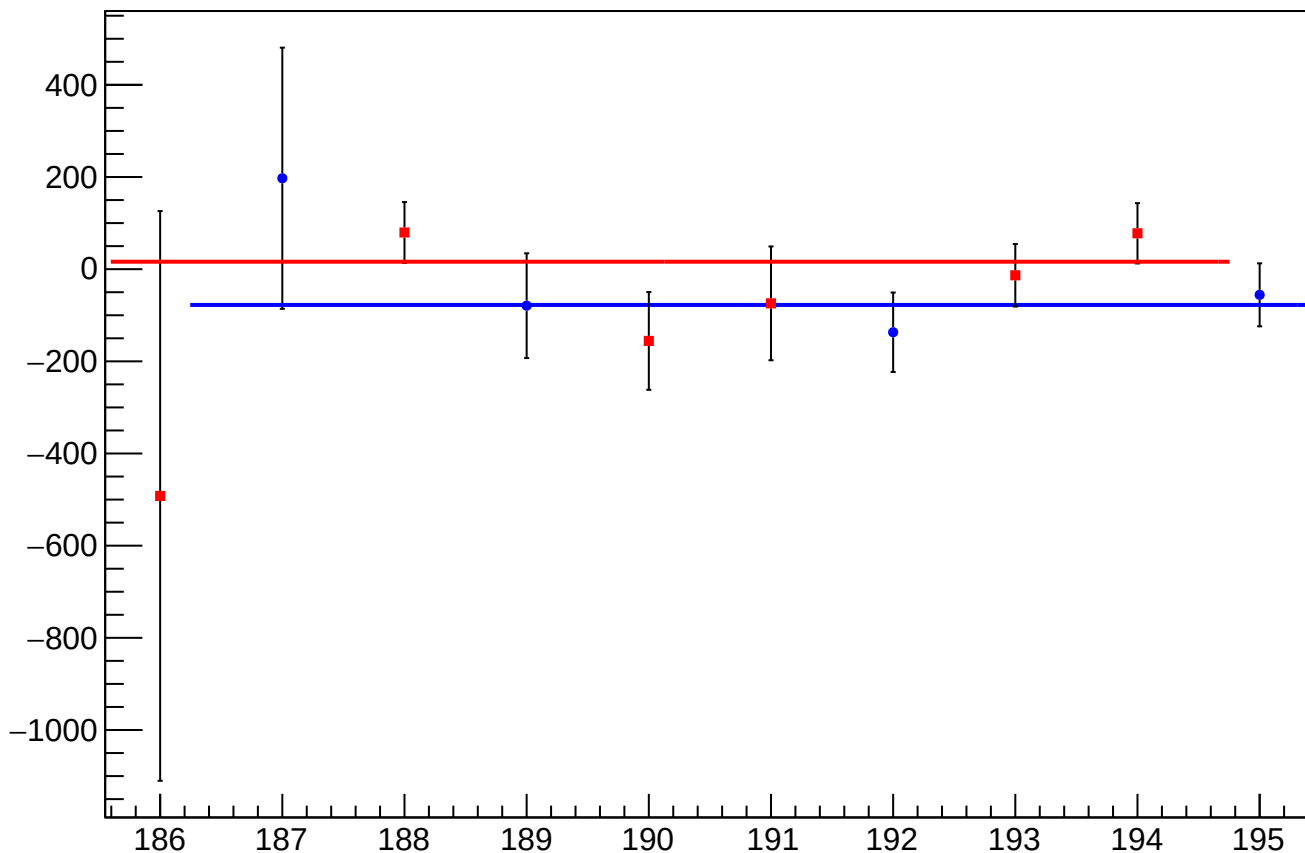
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 974.059+/-0.307  $\chi^2/\text{NDF}$ : 423657.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_37\_26\_dd\_mean vs Slug



Right In: -77.596 $\pm$ 47.761  $\chi^2$ /NDF: 1.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 16.198 $\pm$ 34.552  $\chi^2$ /NDF: 5.8/5

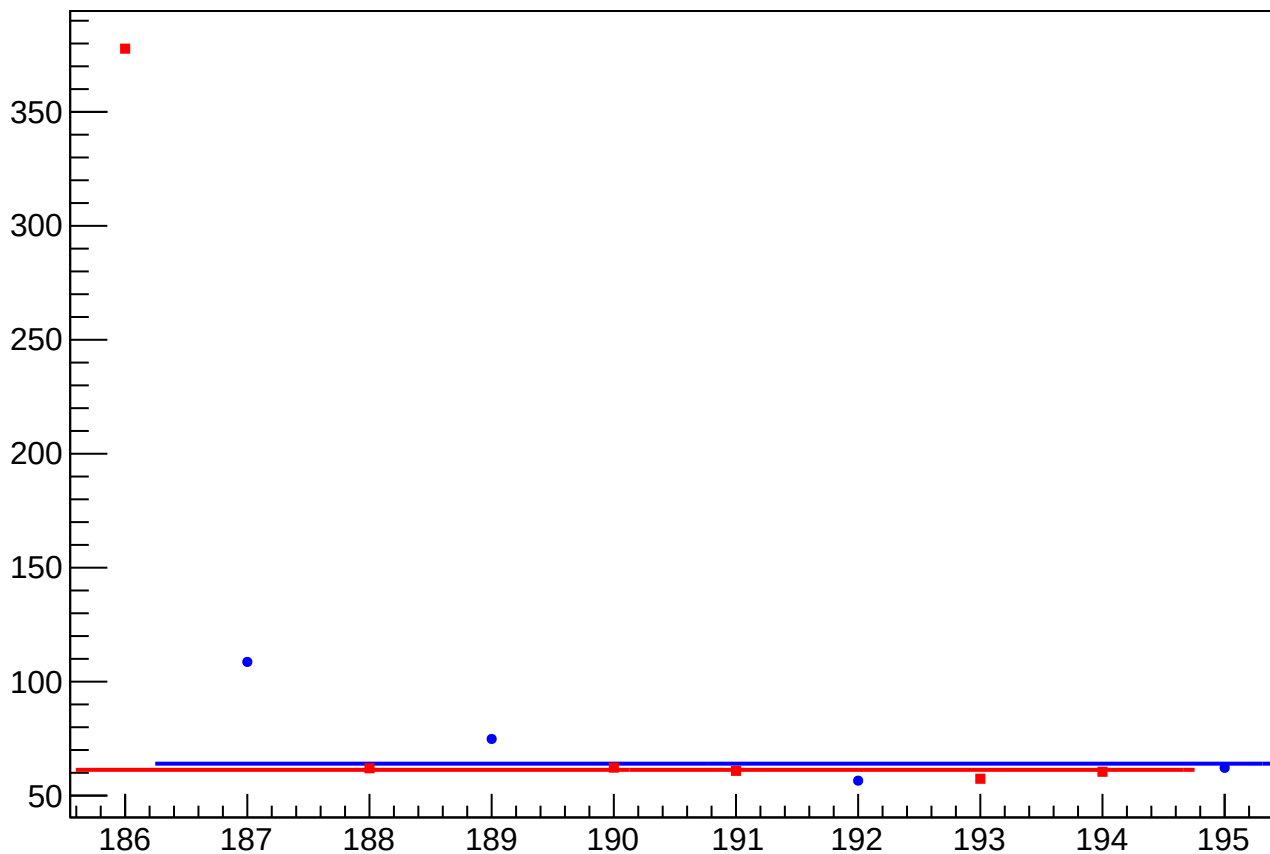
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -16.025 $\pm$ 27.994  $\chi^2$ /NDF: 9.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_37\_26\_dd\_rms vs Slug



Right In: 64.010 $\pm$ 0.034  $\chi^2$ /NDF: 84273.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 61.304 $\pm$ 0.024  $\chi^2$ /NDF: 531511.1/5

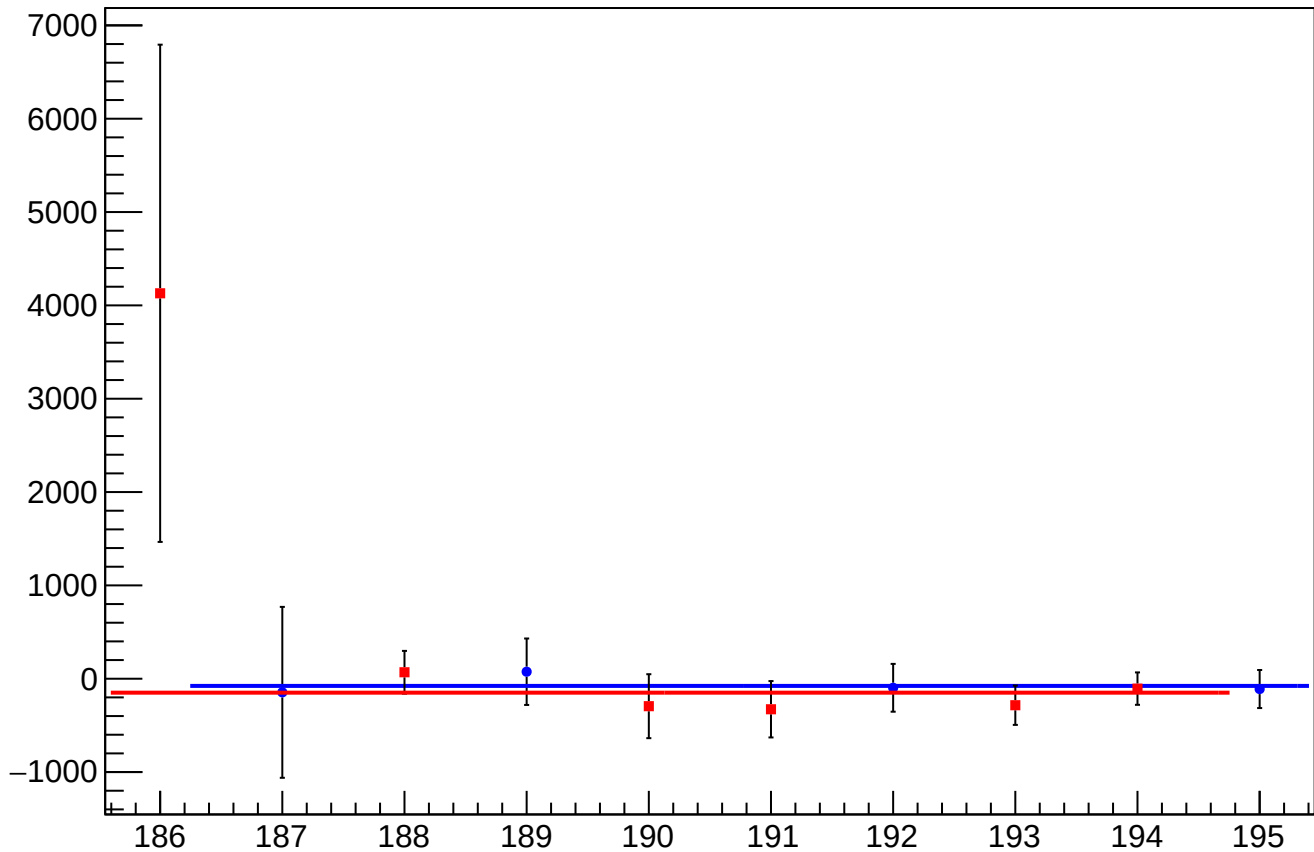
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 62.234 $\pm$ 0.020  $\chi^2$ /NDF: 619998.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_26\_dd\_correction\_mean vs Slug



Right In:  $-76.878 \pm 143.763$   $\chi^2/\text{NDF}$ : 0.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-149.407 \pm 102.894$   $\chi^2/\text{NDF}$ : 4.5/5

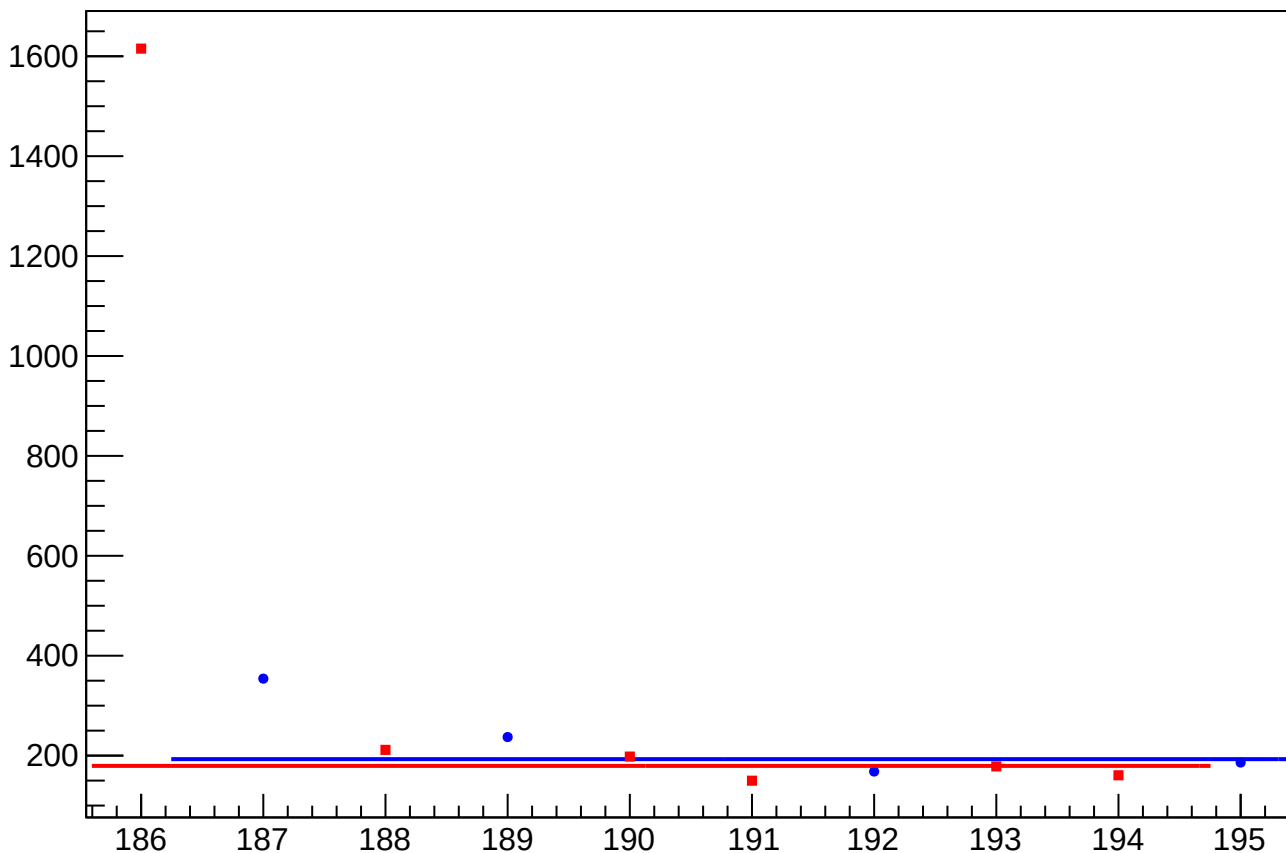
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-124.839 \pm 83.671$   $\chi^2/\text{NDF}$ : 4.9/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_37\_26\_dd\_correction\_rms vs Slug



Right In: 192.939 $\pm$ 0.102  $\chi^2$ /NDF: 113761.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 179.450 $\pm$ 0.073  $\chi^2$ /NDF: 669035.6/5

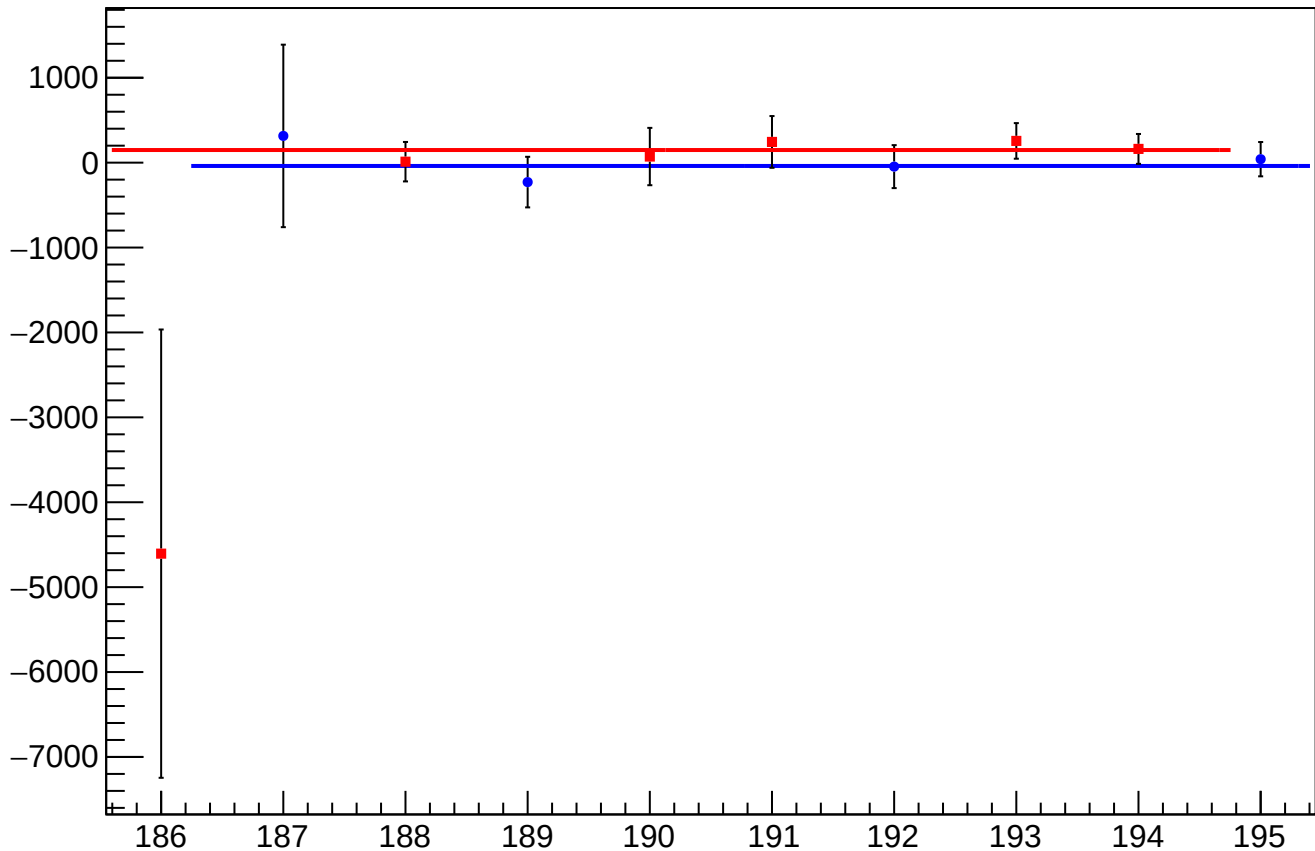
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 184.019 $\pm$ 0.059  $\chi^2$ /NDF: 794440.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_37\_26\_dd\_mean vs Slug



Right In:  $-38.958 \pm 138.348$   $\chi^2/\text{NDF}$ : 0.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $148.679 \pm 103.560$   $\chi^2/\text{NDF}$ : 4.0/5

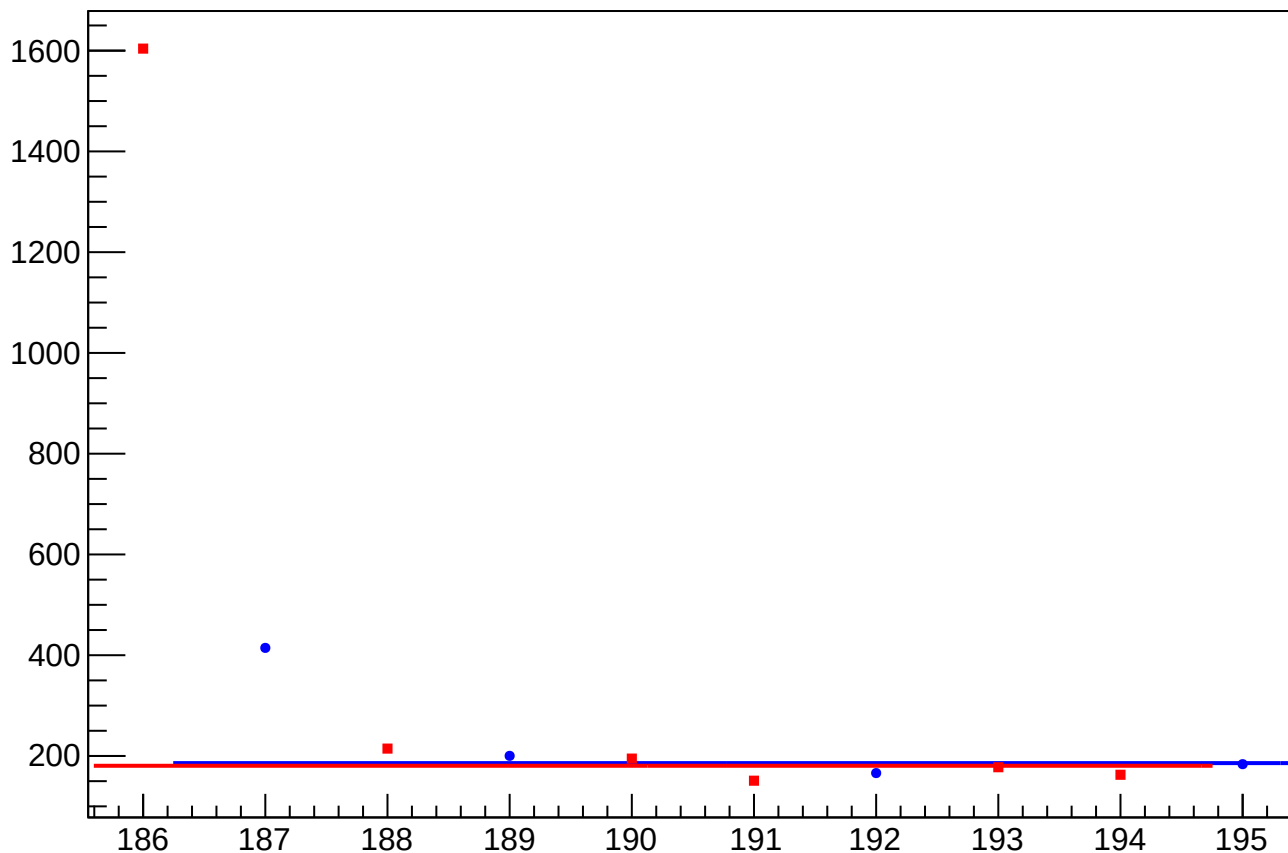
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $81.297 \pm 82.906$   $\chi^2/\text{NDF}$ : 5.9/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 180.539 $\pm$ 0.073  $\chi^2$ /NDF: 667825.6/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

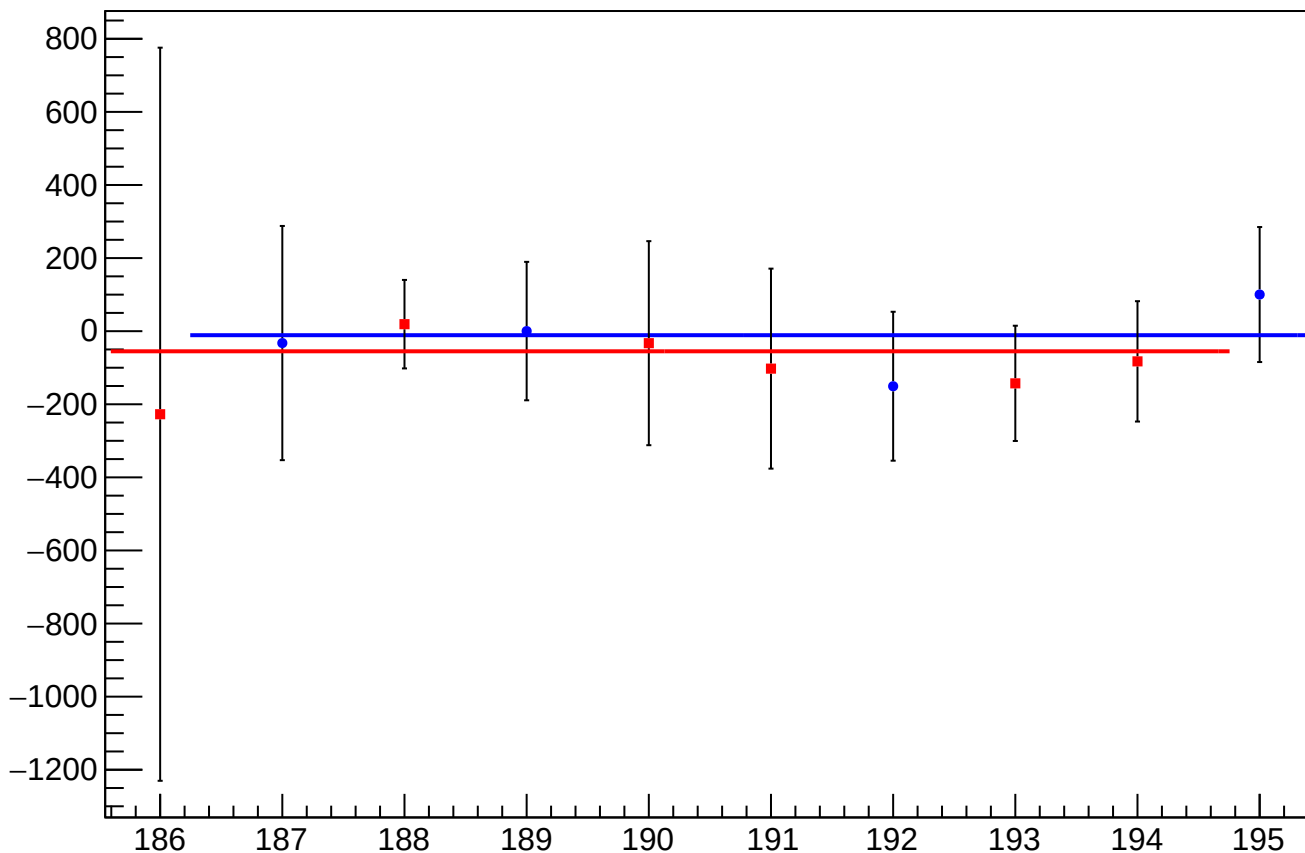
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 182.441 $\pm$ 0.059  $\chi^2$ /NDF: 777379.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_asym\_sam\_1357\_avg\_mean vs Slug



Right In:  $-10.982 \pm 104.817$   $\chi^2/\text{NDF}$ : 0.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-55.051 \pm 76.139$   $\chi^2/\text{NDF}$ : 0.8/5

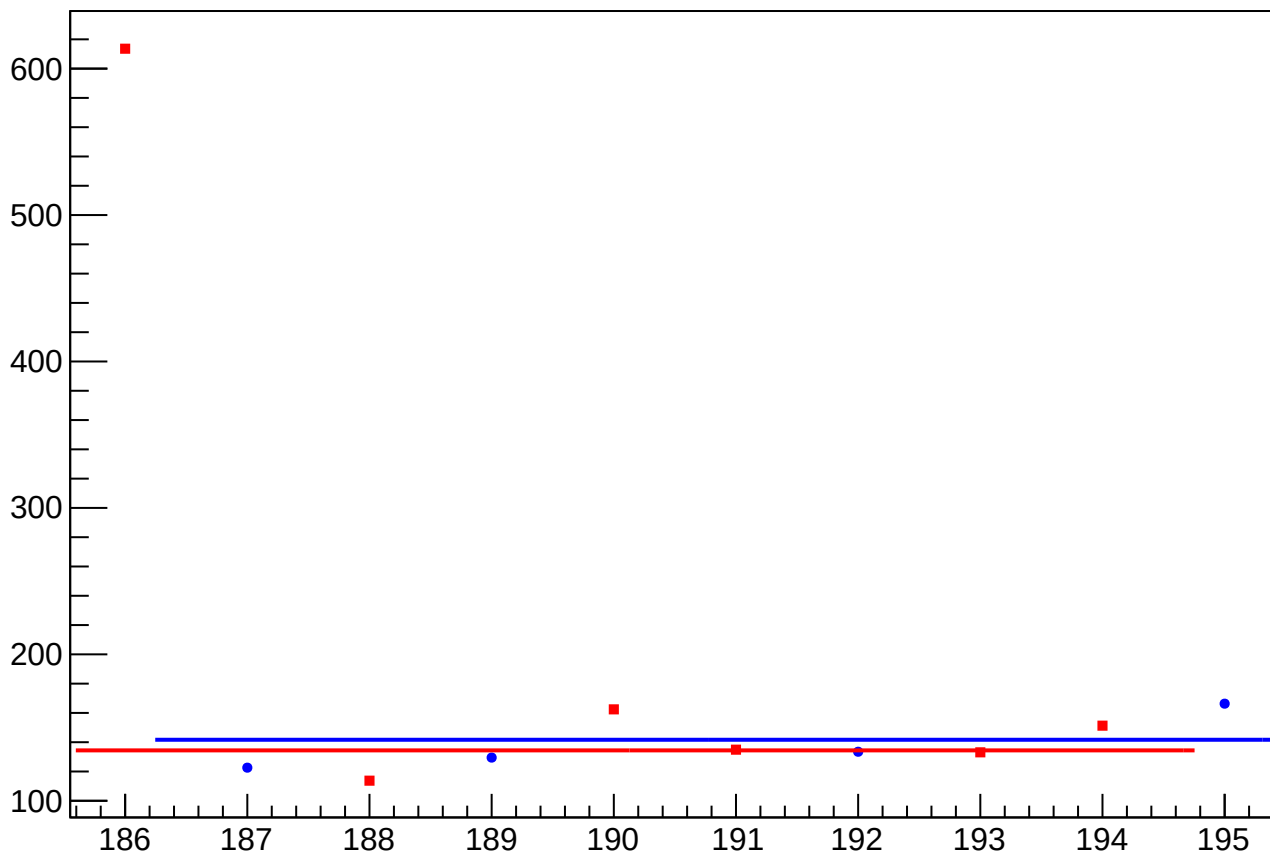
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-39.829 \pm 61.602$   $\chi^2/\text{NDF}$ : 1.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1357\_avg\_rms vs Slug



Right In: 141.672 $\pm$ 0.074  $\chi^2$ /NDF: 54182.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 134.418 $\pm$ 0.054  $\chi^2$ /NDF: 556173.9/5

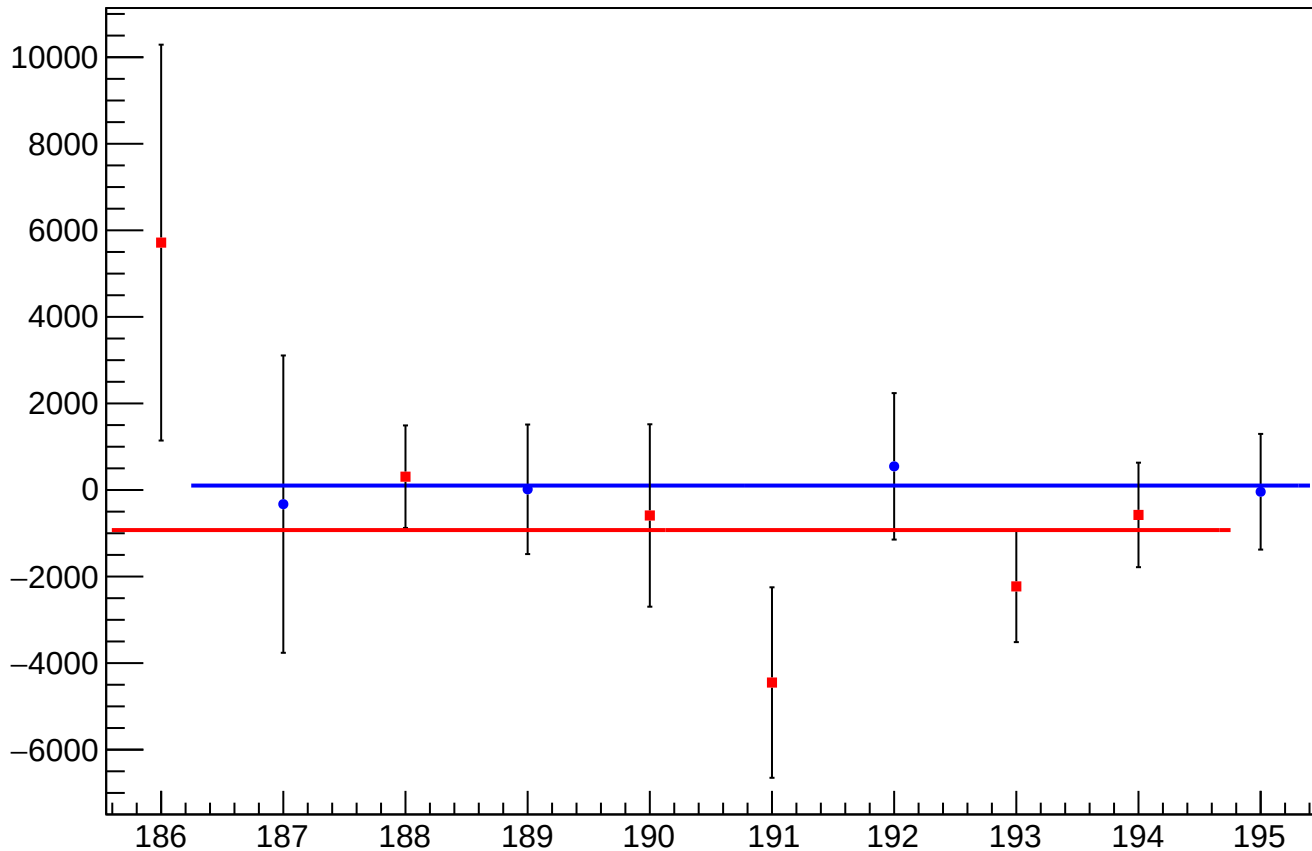
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 136.923 $\pm$ 0.044  $\chi^2$ /NDF: 616627.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_avg\_correction\_mean vs Slug



Right In: 102.427 $\pm$ 833.292  $\chi^2$ /NDF: 0.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -926.110 $\pm$ 634.813  $\chi^2$ /NDF: 6.9/5

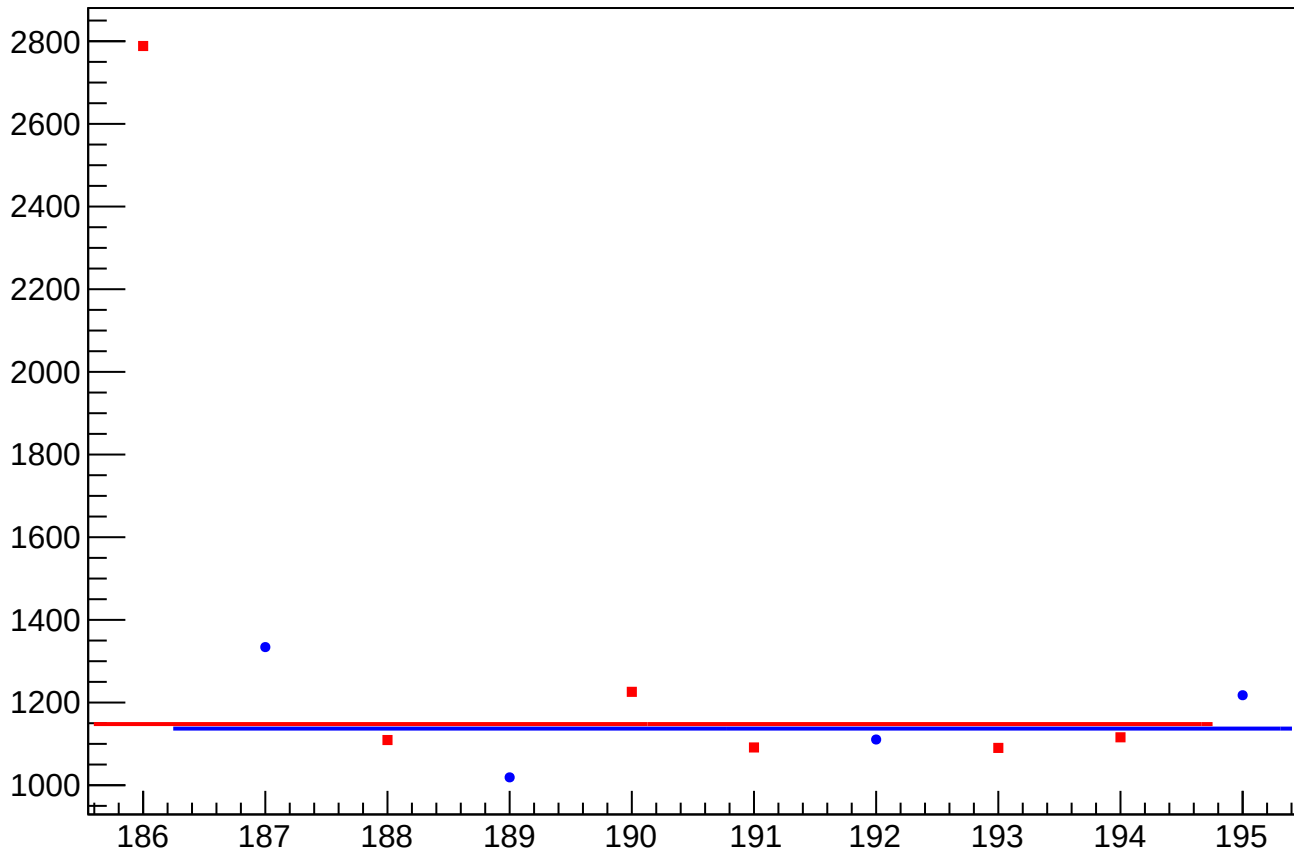
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -548.398 $\pm$ 504.973  $\chi^2$ /NDF: 8.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_1357\_avg\_correction\_rms vs Slug



Right In: 1136.985 $\pm$ 0.589  $\chi^2$ /NDF: 26805.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1147.924 $\pm$ 0.449  $\chi^2$ /NDF: 268908.2/5

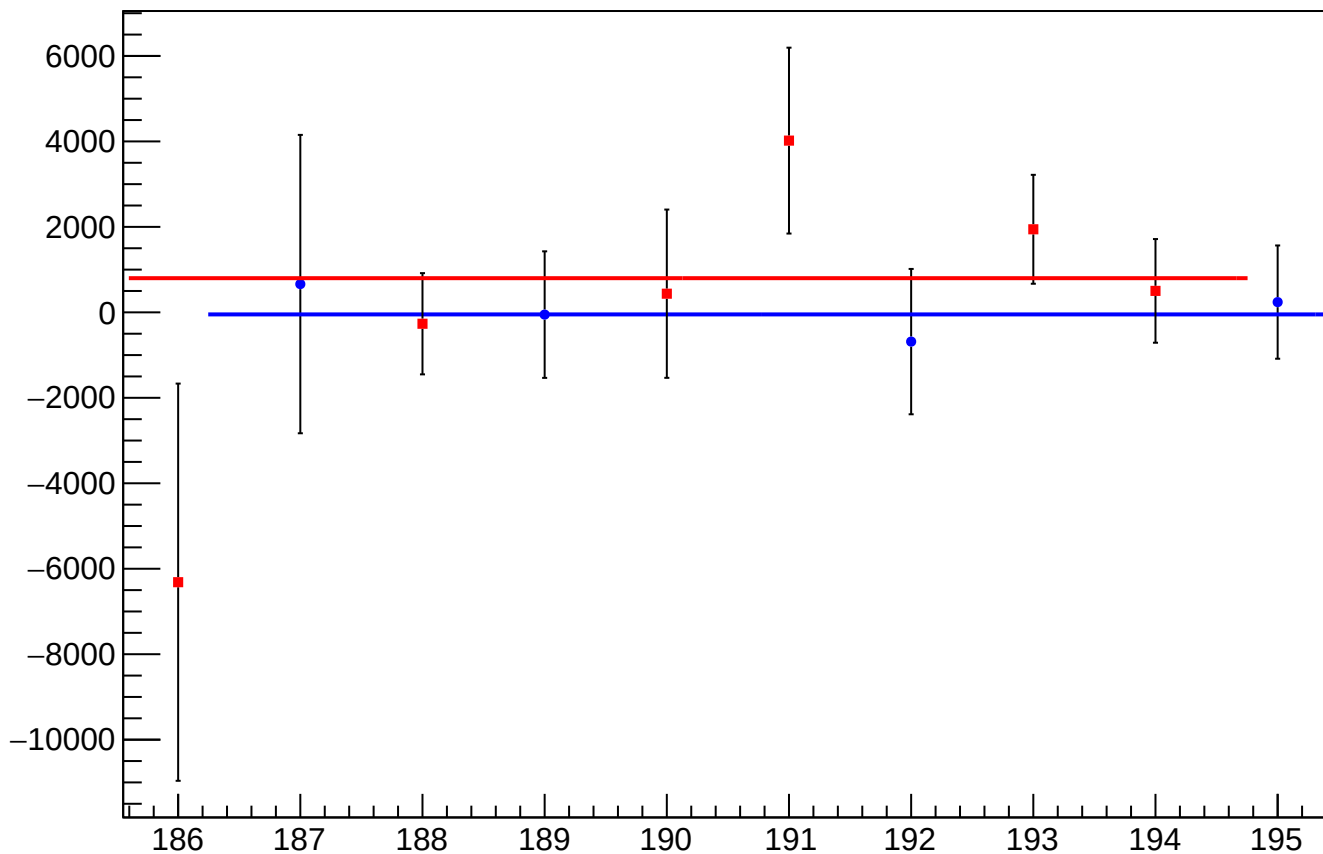
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1143.907 $\pm$ 0.357  $\chi^2$ /NDF: 295931.4/9

- 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:  $799.601 \pm 629.486$   $\chi^2/\text{NDF}$ : 6.2/5

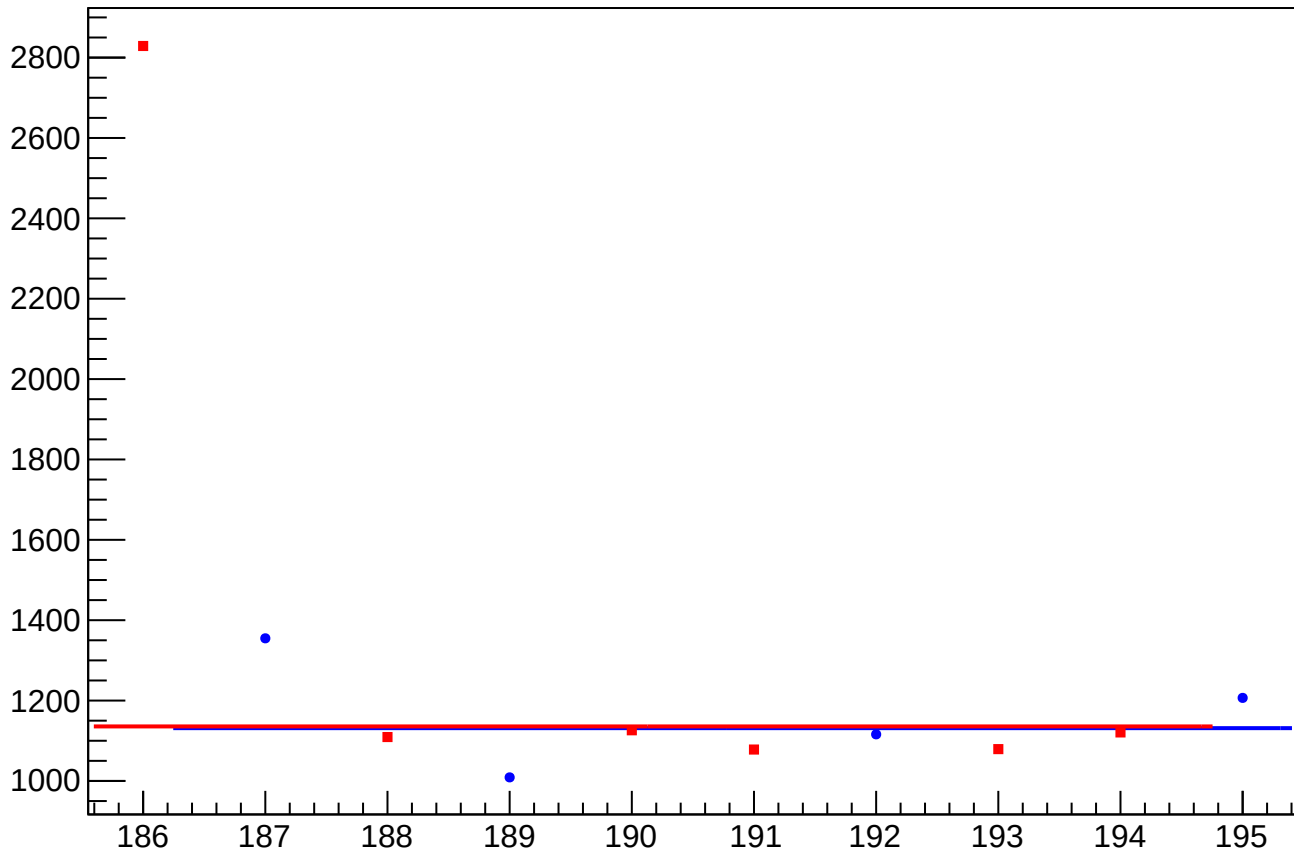
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $489.797 \pm 501.452$   $\chi^2/\text{NDF}$ : 7.1/9

- 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: 1135.666 $\pm$ 0.445  $\chi^2$ /NDF: 272142.7/5

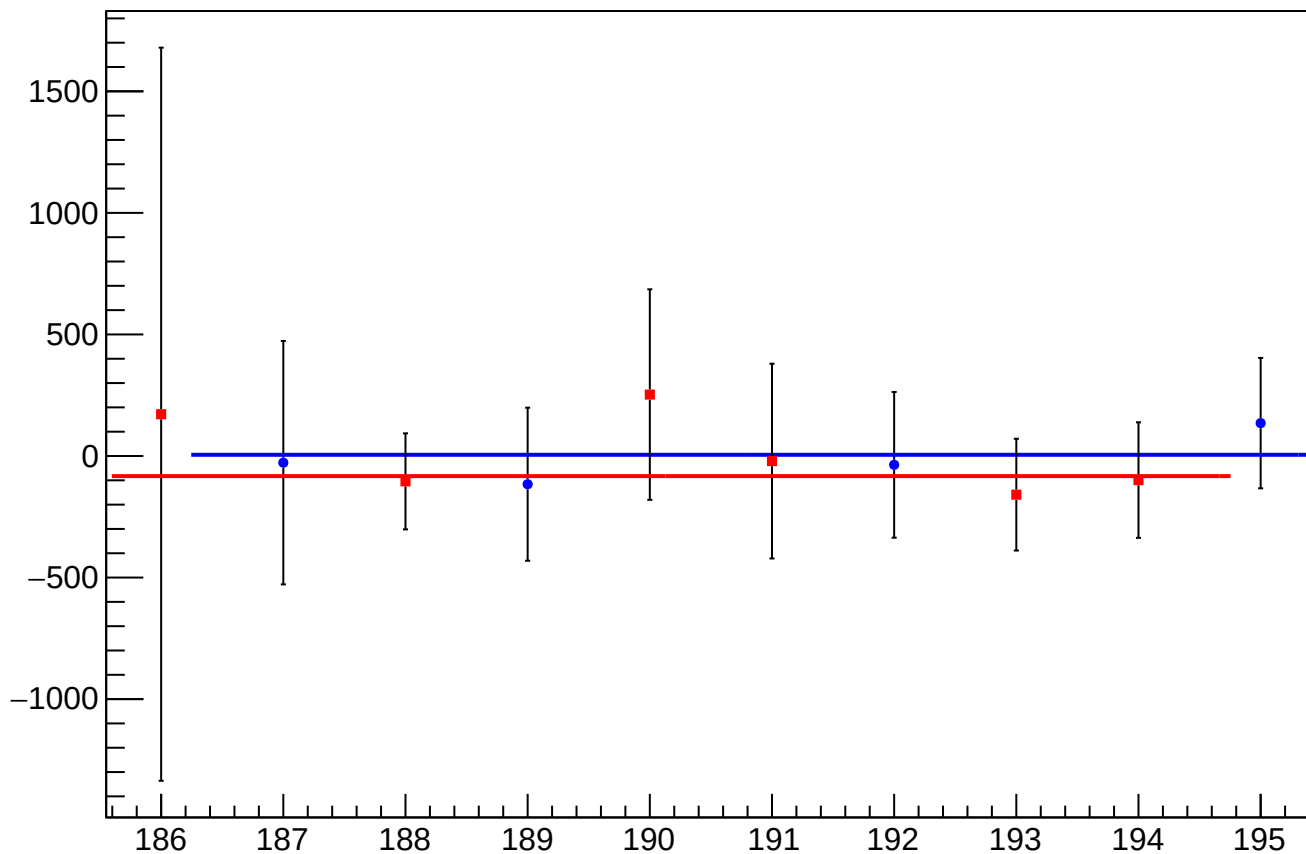
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1134.102 $\pm$ 0.355  $\chi^2$ /NDF: 300685.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_asym\_sam\_2468\_avg\_mean vs Slug



Right In: 4.975+/-159.919  $\chi^2/\text{NDF}$ : 0.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -82.747+/-116.045  $\chi^2/\text{NDF}$ : 0.8/5

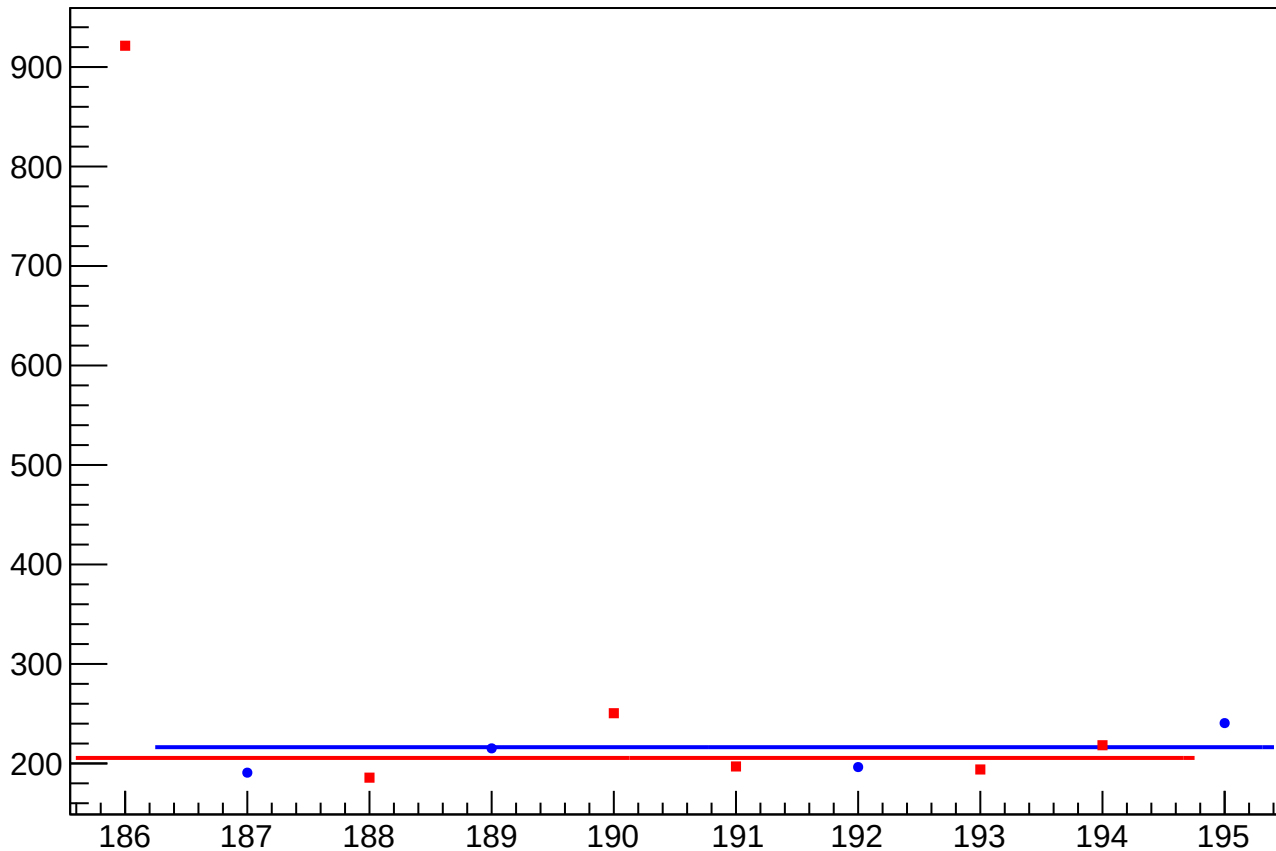
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -52.489+/-93.922  $\chi^2/\text{NDF}$ : 1.4/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_2468\_avg\_rms vs Slug



Right In: 216.341 $\pm$ 0.113  $\chi^2$ /NDF: 30441.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 205.538 $\pm$ 0.082  $\chi^2$ /NDF: 504295.4/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

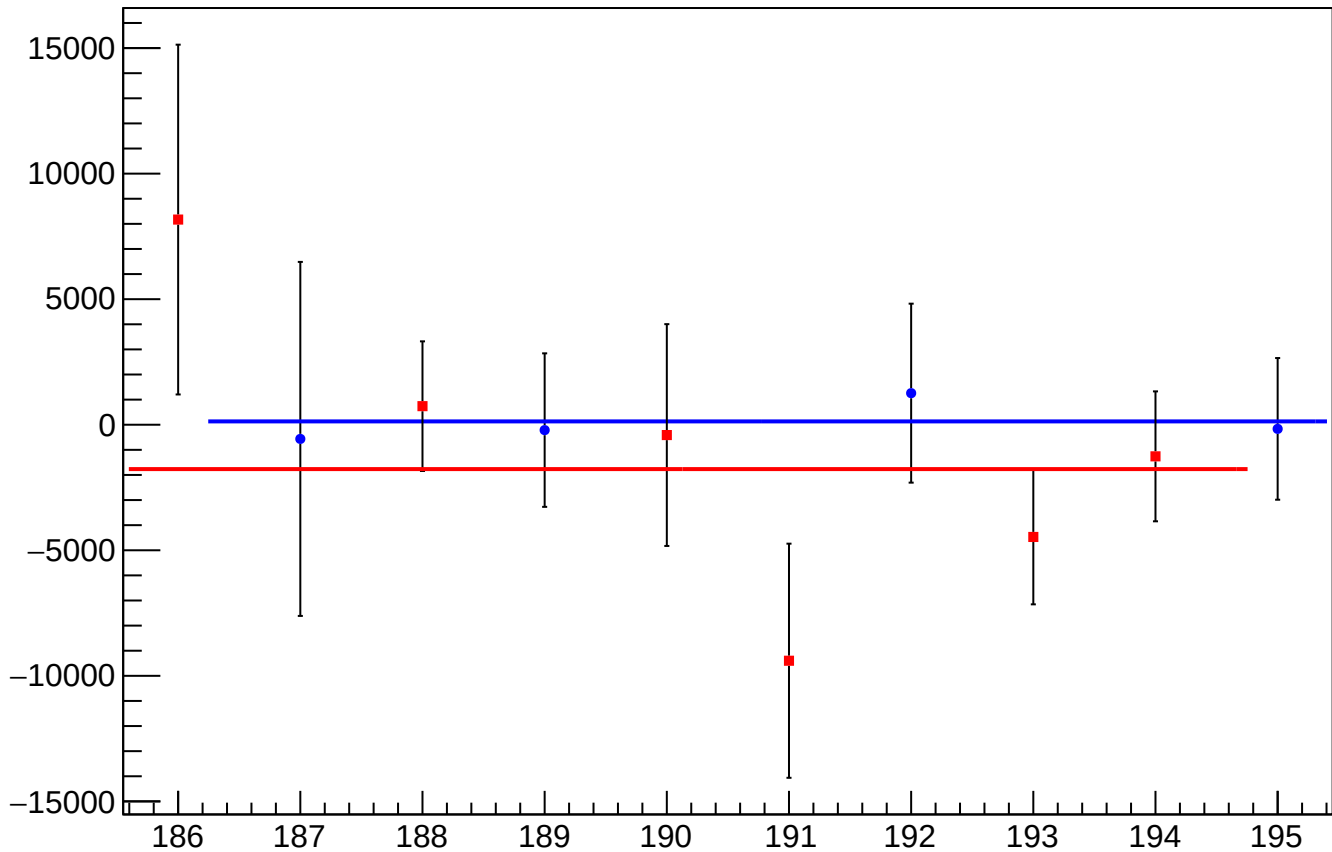
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 209.264 $\pm$ 0.066  $\chi^2$ /NDF: 540714.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# asym\_sam\_2468\_avg\_correction\_mean vs Slug



Right In: 132.716 $\pm$ 1736.733  $\chi^2$ /NDF: 0.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -1766.745 $\pm$ 1340.887  $\chi^2$ /NDF: 6.8/5

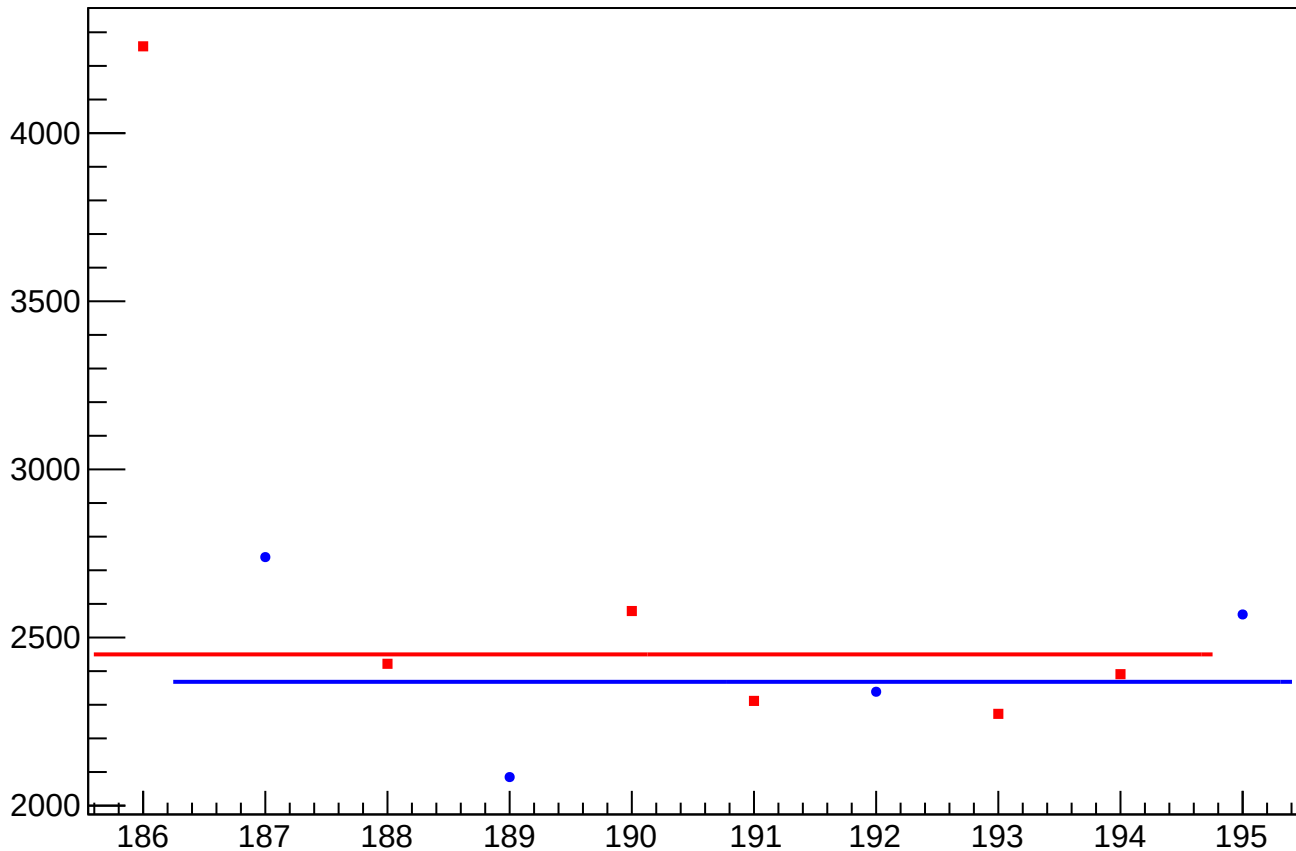
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1057.349 $\pm$ 1061.359  $\chi^2$ /NDF: 7.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_2468\_avg\_correction\_rms vs Slug



Right In: 2368.253+/-1.228  $\chi^2/\text{NDF}$ : 32938.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2449.823+/-0.948  $\chi^2/\text{NDF}$ : 148233.2/5

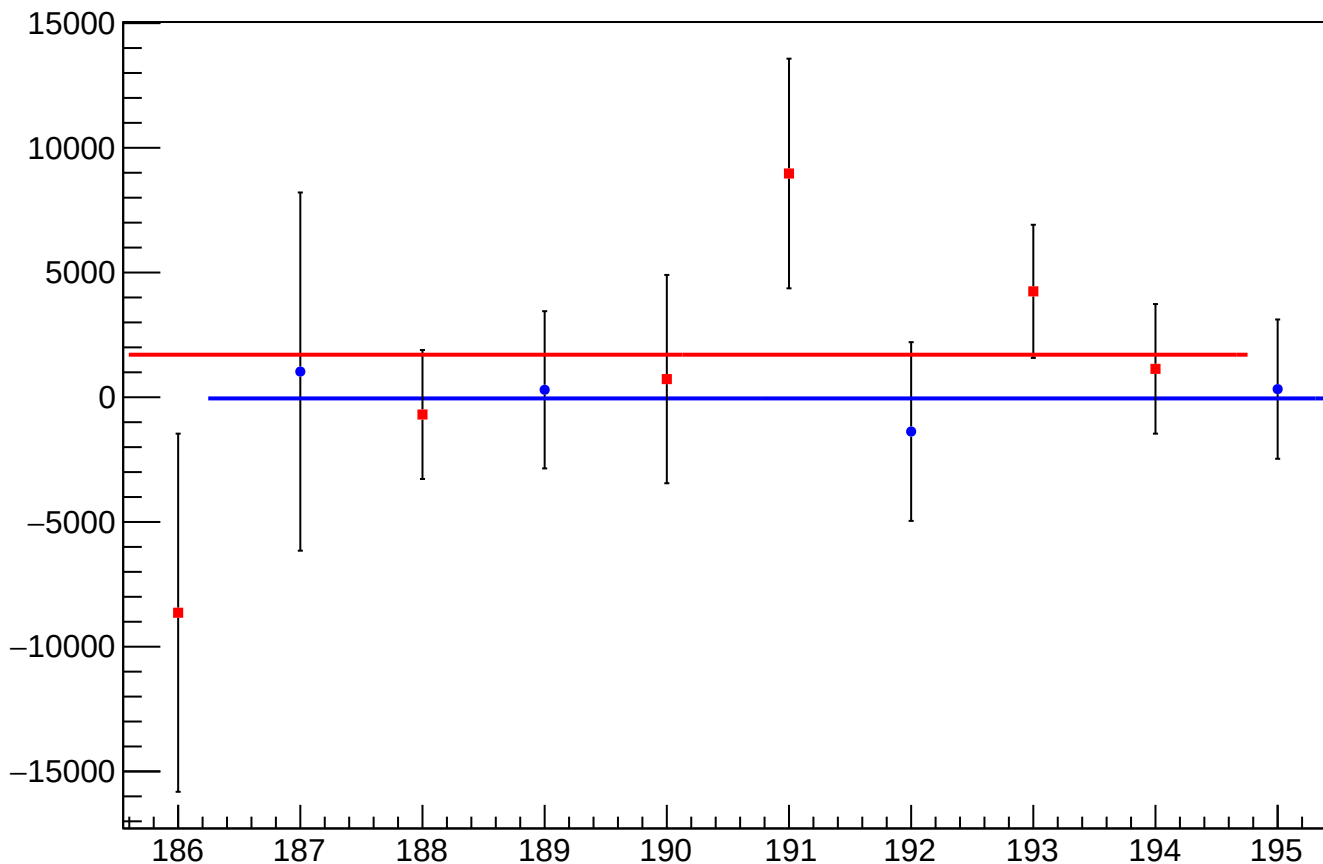
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2419.359+/-0.750  $\chi^2/\text{NDF}$ : 183935.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_2468\_avg\_mean vs Slug



Right In: -46.670+/-1750.882  $\chi^2/\text{NDF}$ : 0.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1705.401+/-1333.704  $\chi^2/\text{NDF}$ : 6.4/5

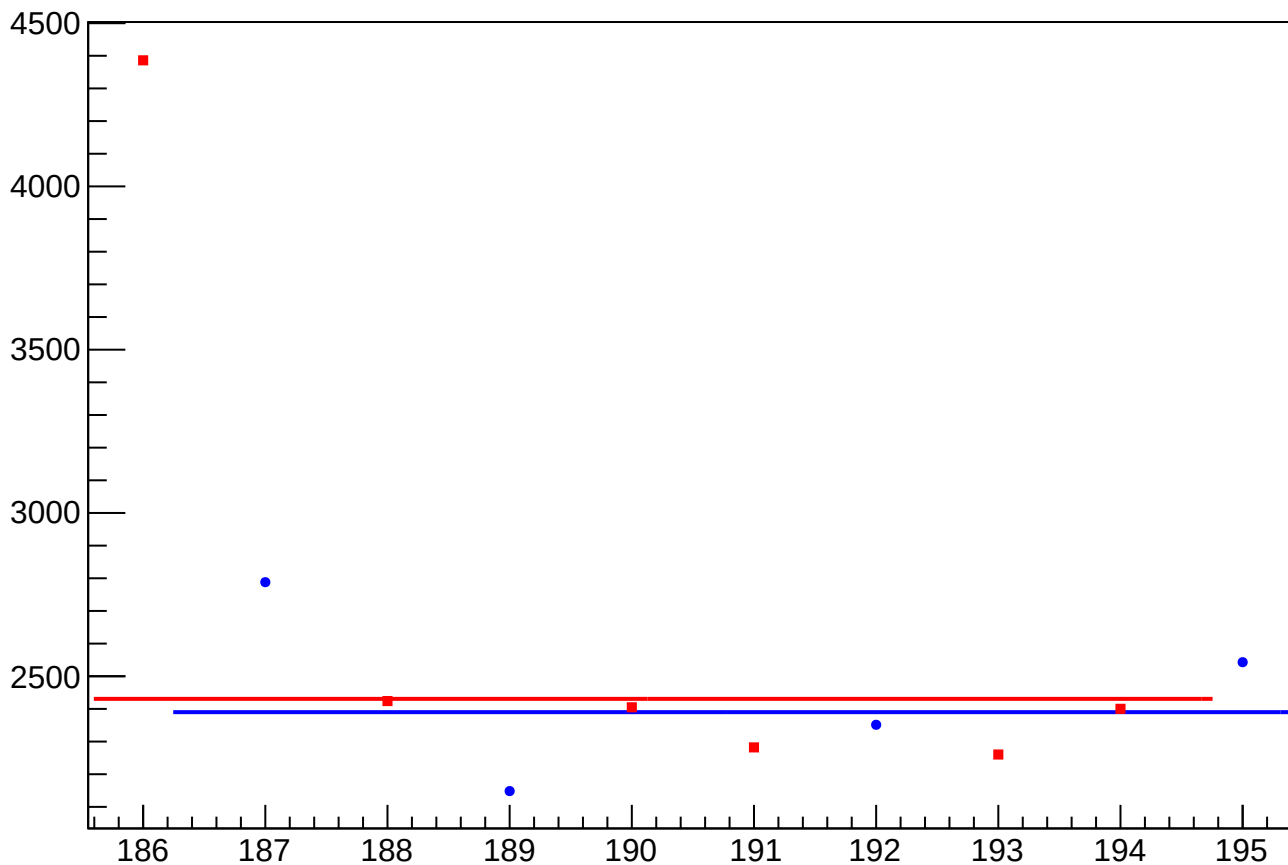
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1062.070+/-1060.958  $\chi^2/\text{NDF}$ : 7.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 2430.765+/-0.943  $\chi^2/\text{NDF}$ : 158975.3/5

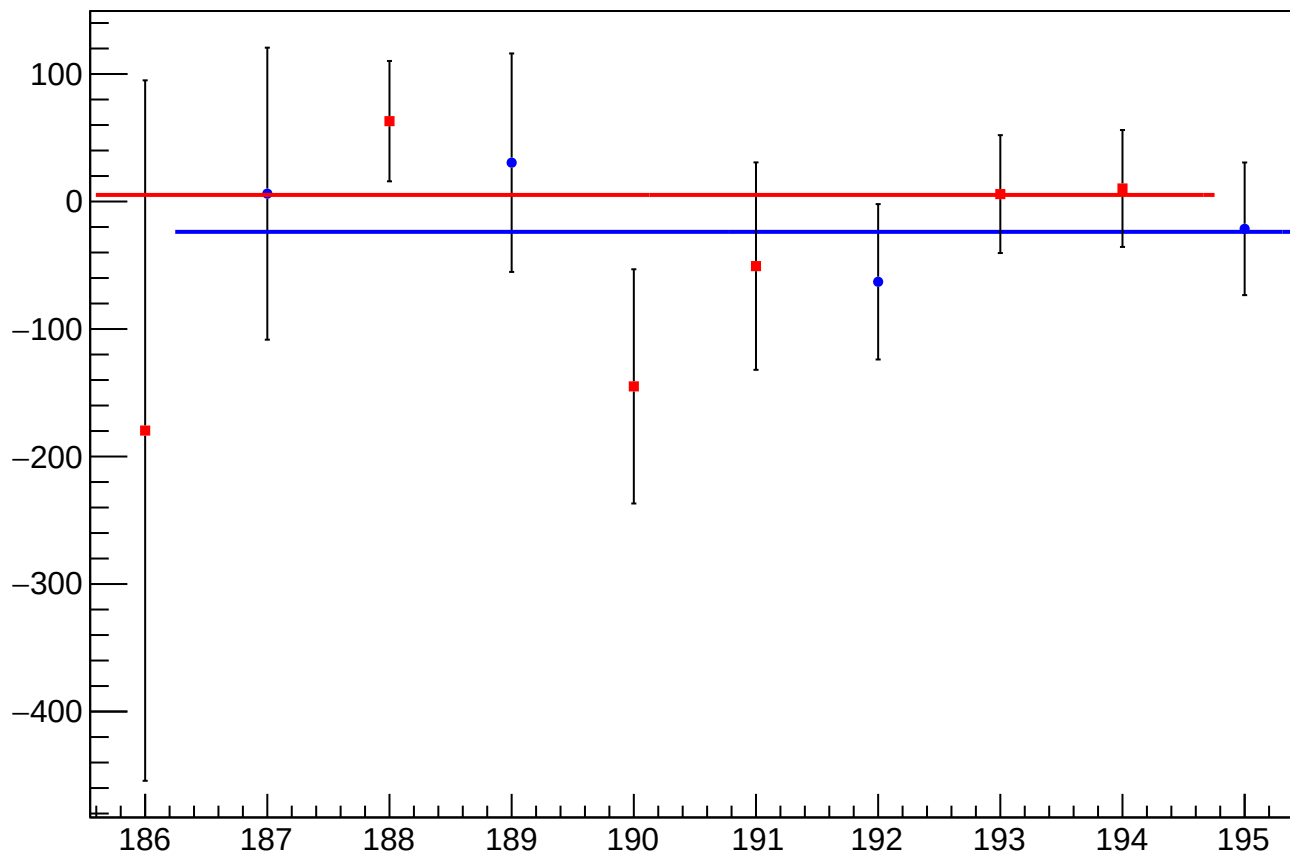
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2415.810+/-0.750  $\chi^2/\text{NDF}$ : 183796.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1357\_2468\_dd\_mean vs Slug



Right In:  $-23.792 \pm 34.269$   $\chi^2/\text{NDF}$ : 0.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $5.168 \pm 24.429$   $\chi^2/\text{NDF}$ : 5.1/5

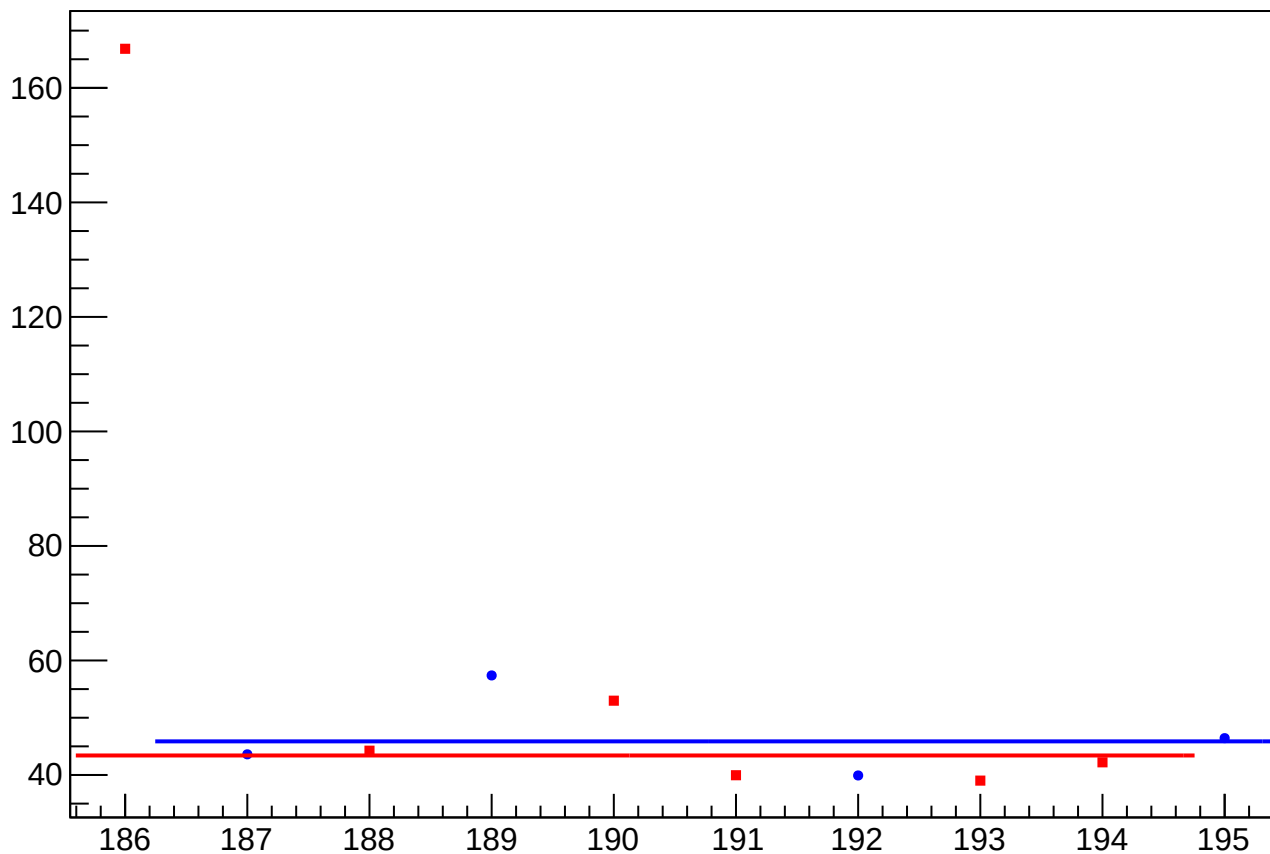
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-4.589 \pm 19.892$   $\chi^2/\text{NDF}$ : 6.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_asym\_sam\_1357\_2468\_dd\_rms vs Slug



Right In: 45.871+/-0.024  $\chi^2/\text{NDF}$ : 56246.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 43.408+/-0.017  $\chi^2/\text{NDF}$ : 449125.5/5

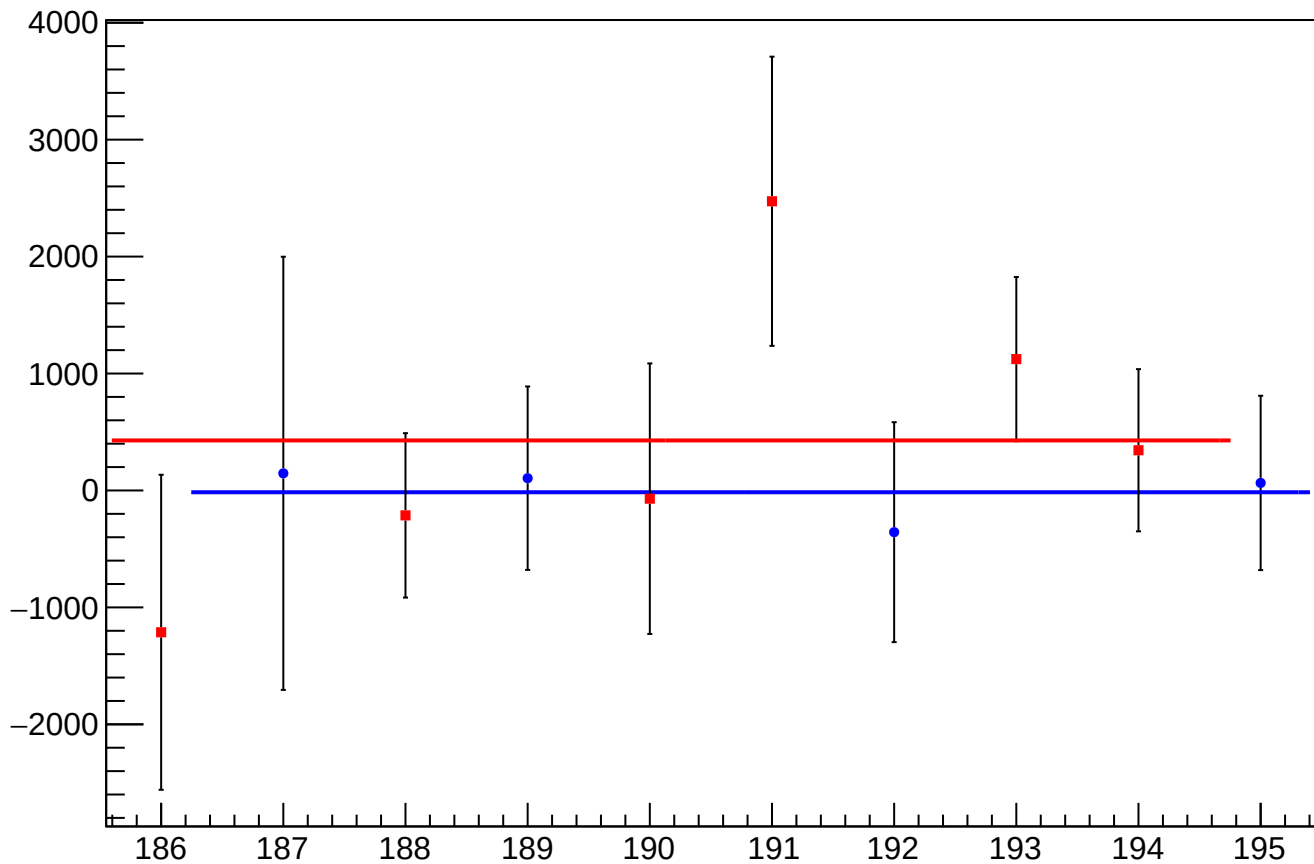
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 44.238+/-0.014  $\chi^2/\text{NDF}$ : 512224.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_1357\_2468\_dd\_correction\_mean vs Slug



Right In:  $-15.282 \pm 454.197$   $\chi^2/\text{NDF}$ : 0.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $427.893 \pm 351.712$   $\chi^2/\text{NDF}$ : 6.2/5

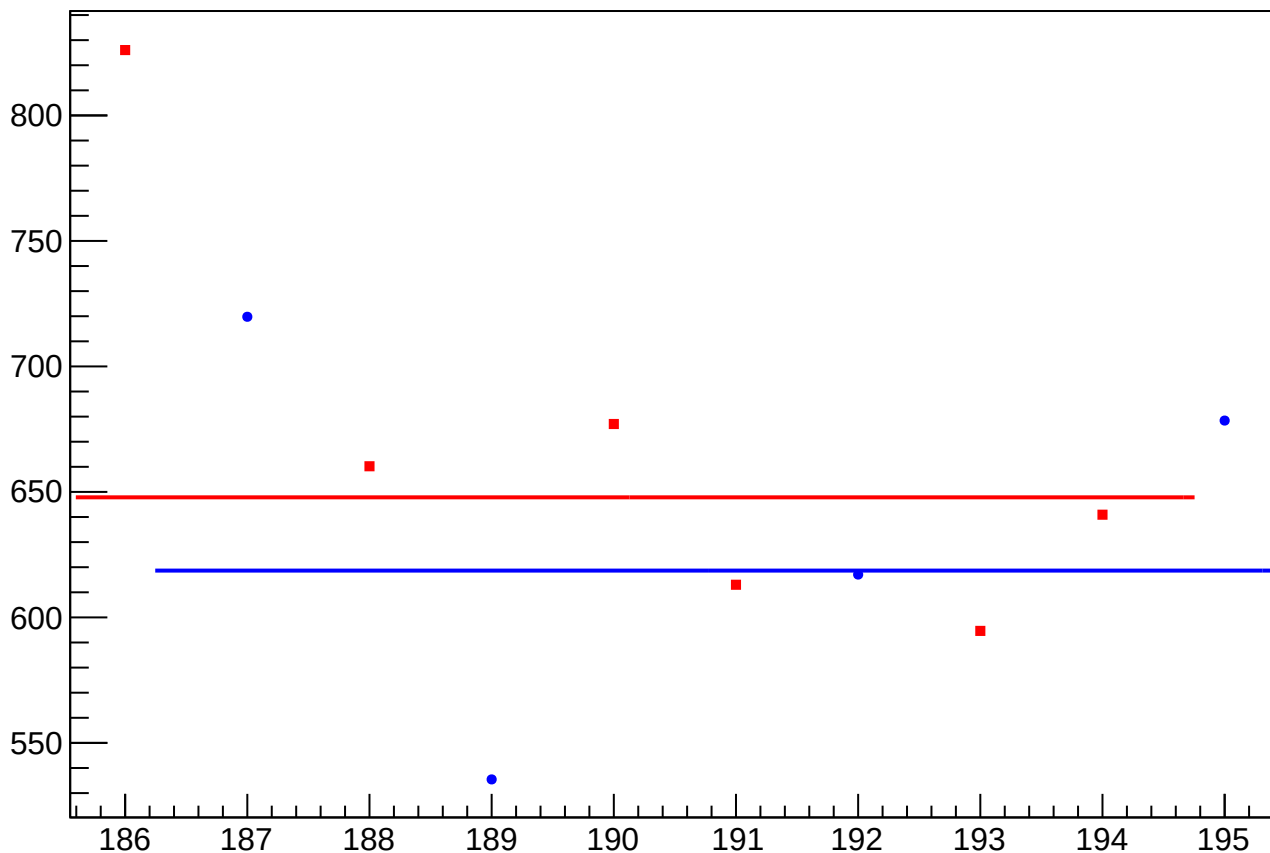
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $261.766 \pm 278.085$   $\chi^2/\text{NDF}$ : 7.0/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# asym\_sam\_1357\_2468\_dd\_correction\_rms vs Slug



Right In: 618.652 $\pm$ 0.321  $\chi^2$ /NDF: 41333.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 647.840 $\pm$ 0.249  $\chi^2$ /NDF: 50179.8/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

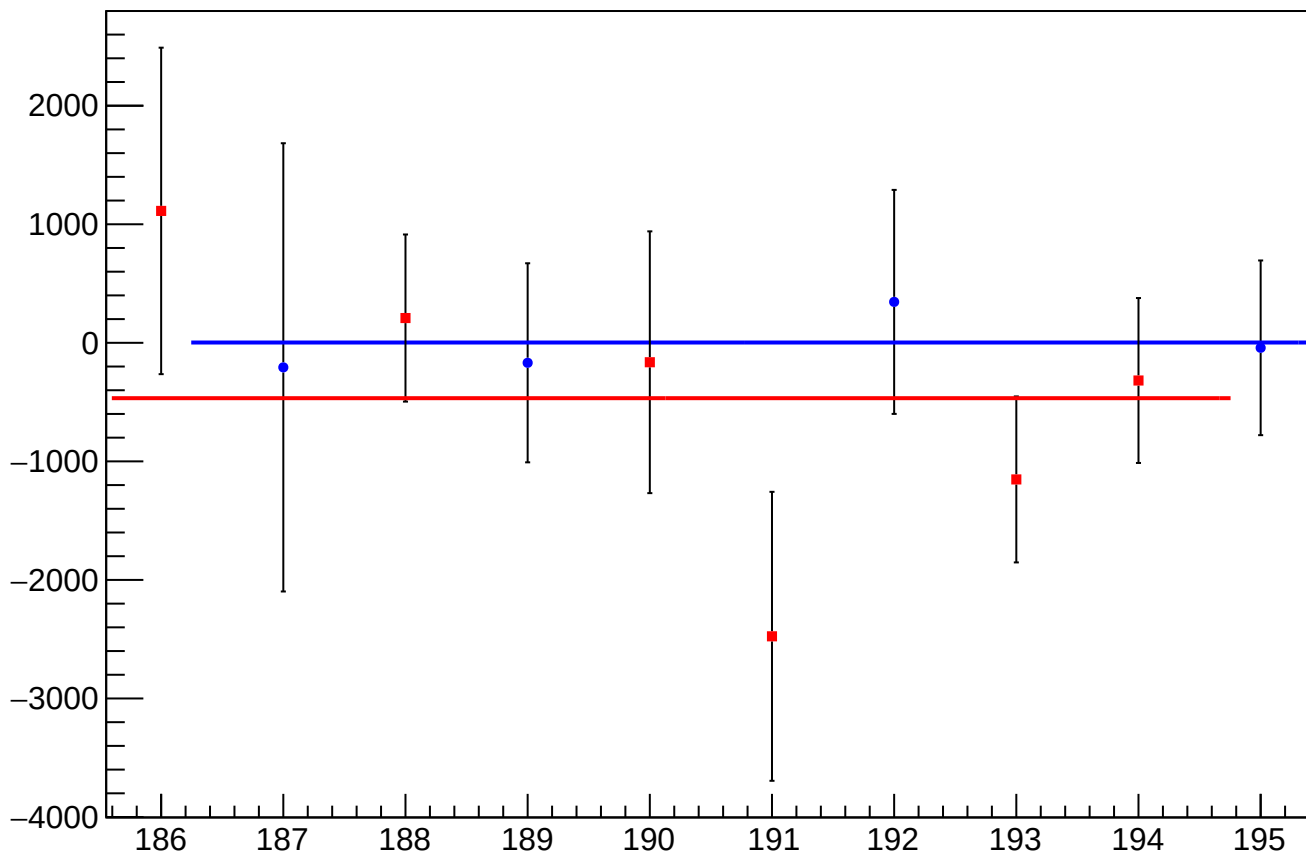
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 636.899 $\pm$ 0.197  $\chi^2$ /NDF: 96676.4/9

- 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: -467.010+/-350.475  $\chi^2/\text{NDF}$ : 6.0/5

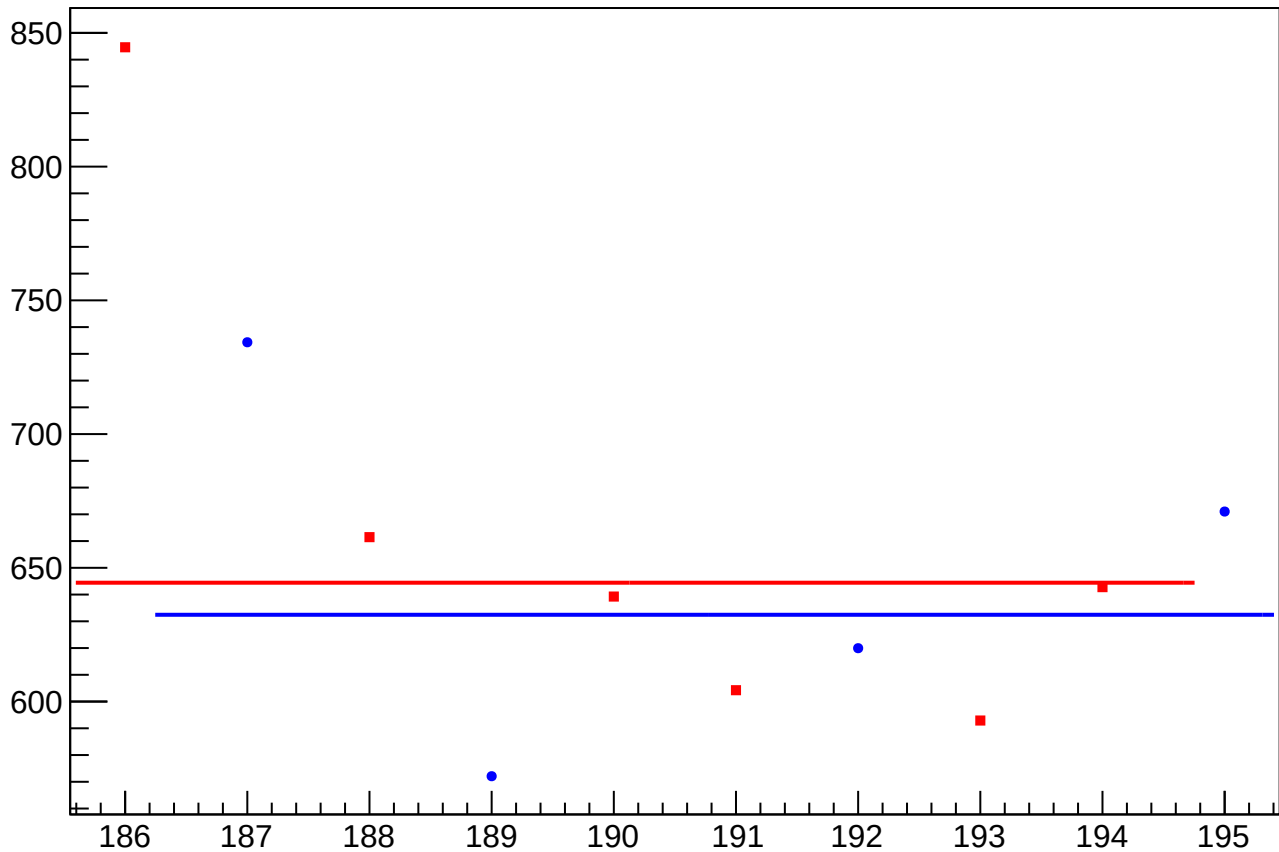
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -296.046+/-279.486  $\chi^2/\text{NDF}$ : 6.9/9

- 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: 644.431 $\pm$ 0.248  $\chi^2$ /NDF: 56507.7/5

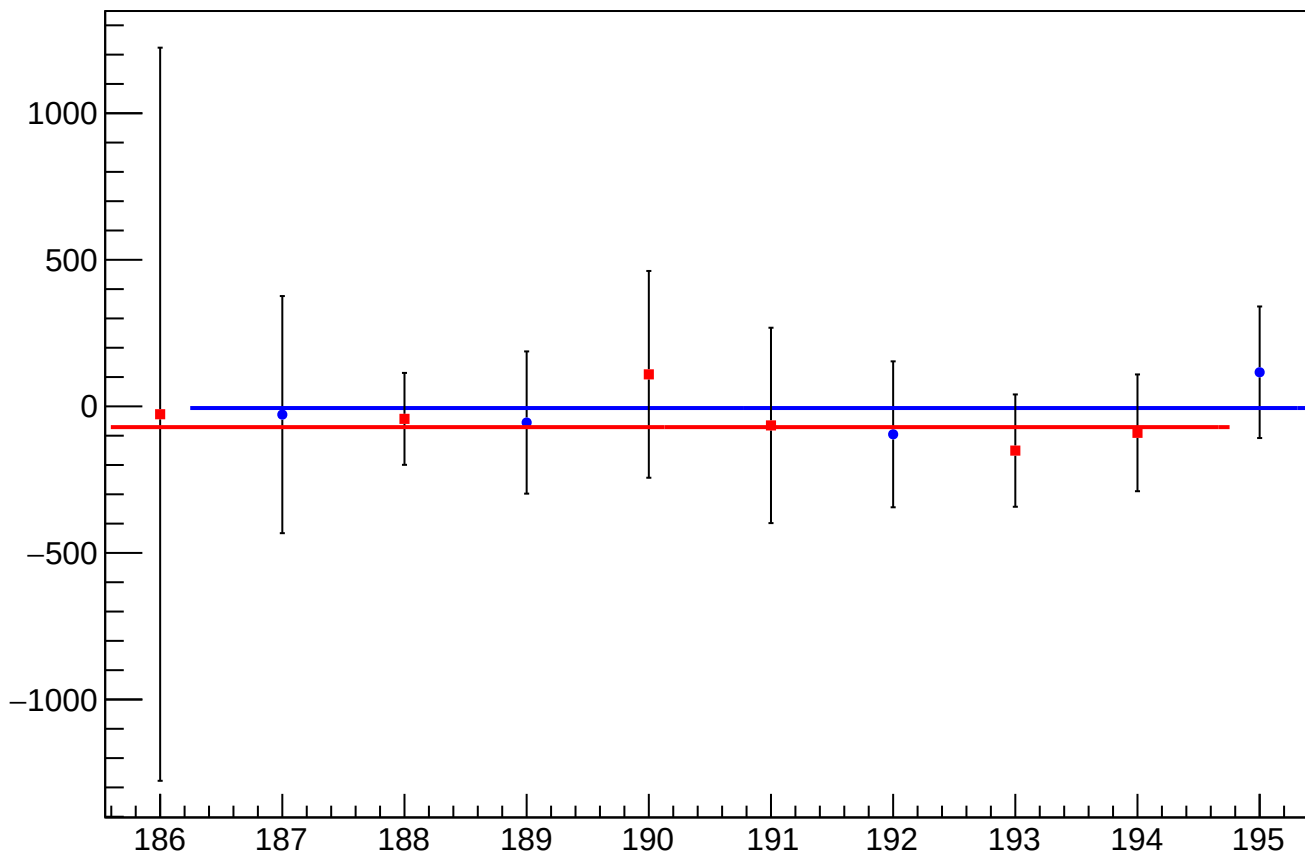
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 640.066 $\pm$ 0.198  $\chi^2$ /NDF: 79343.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_asym\_sam\_12345678\_avg\_mean vs Slug



Right In: -5.689 +/- 130.089  $\chi^2/\text{NDF}$ : 0.5/3

Left Out: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -70.803 +/- 95.012  $\chi^2/\text{NDF}$ : 0.5/5

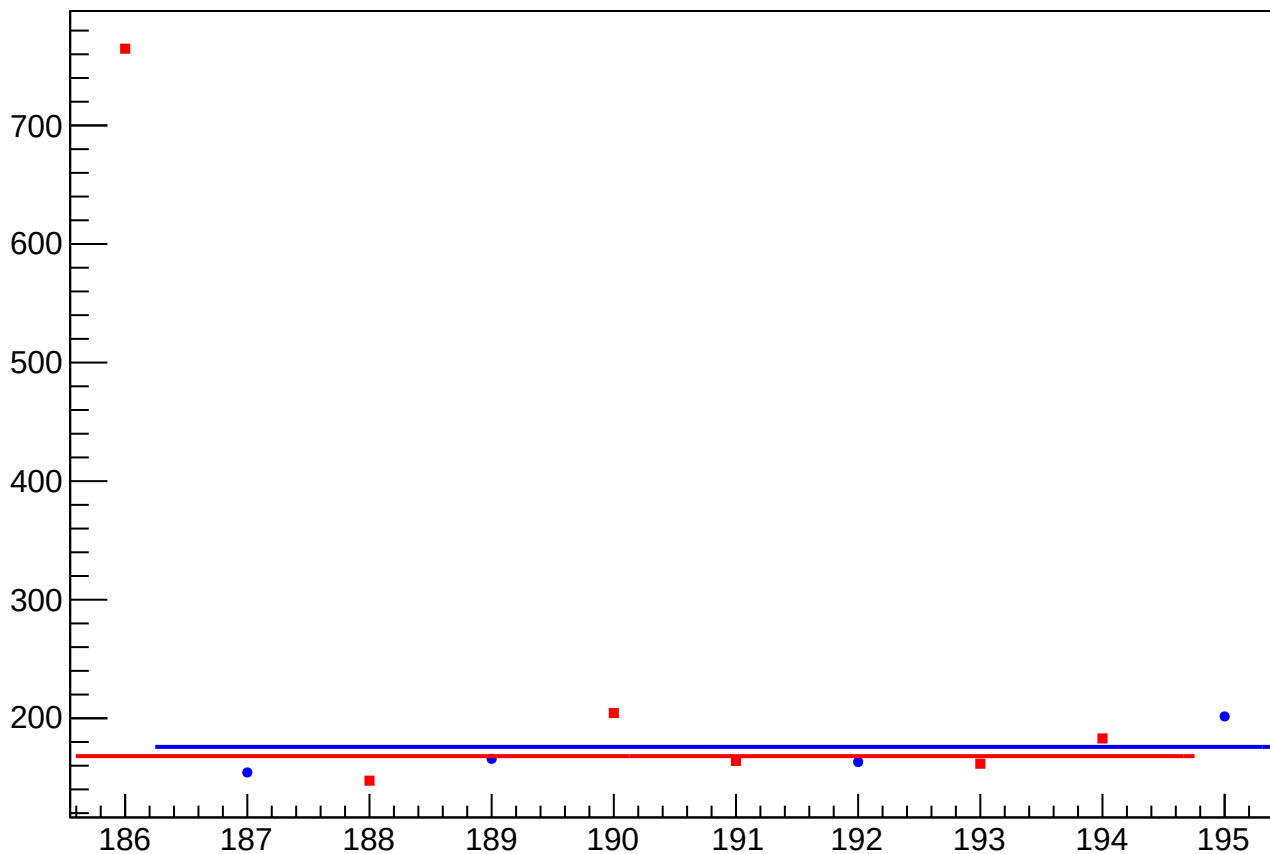
Left In: 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -48.152 +/- 76.727  $\chi^2/\text{NDF}$ : 1.1/9

- sign 0.000 +/- 0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_asym\_sam\_12345678\_avg\_rms vs Slug



Right In: 175.889+/-0.092  $\chi^2/\text{NDF}$ : 40605.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 168.059+/-0.067  $\chi^2/\text{NDF}$ : 525061.7/5

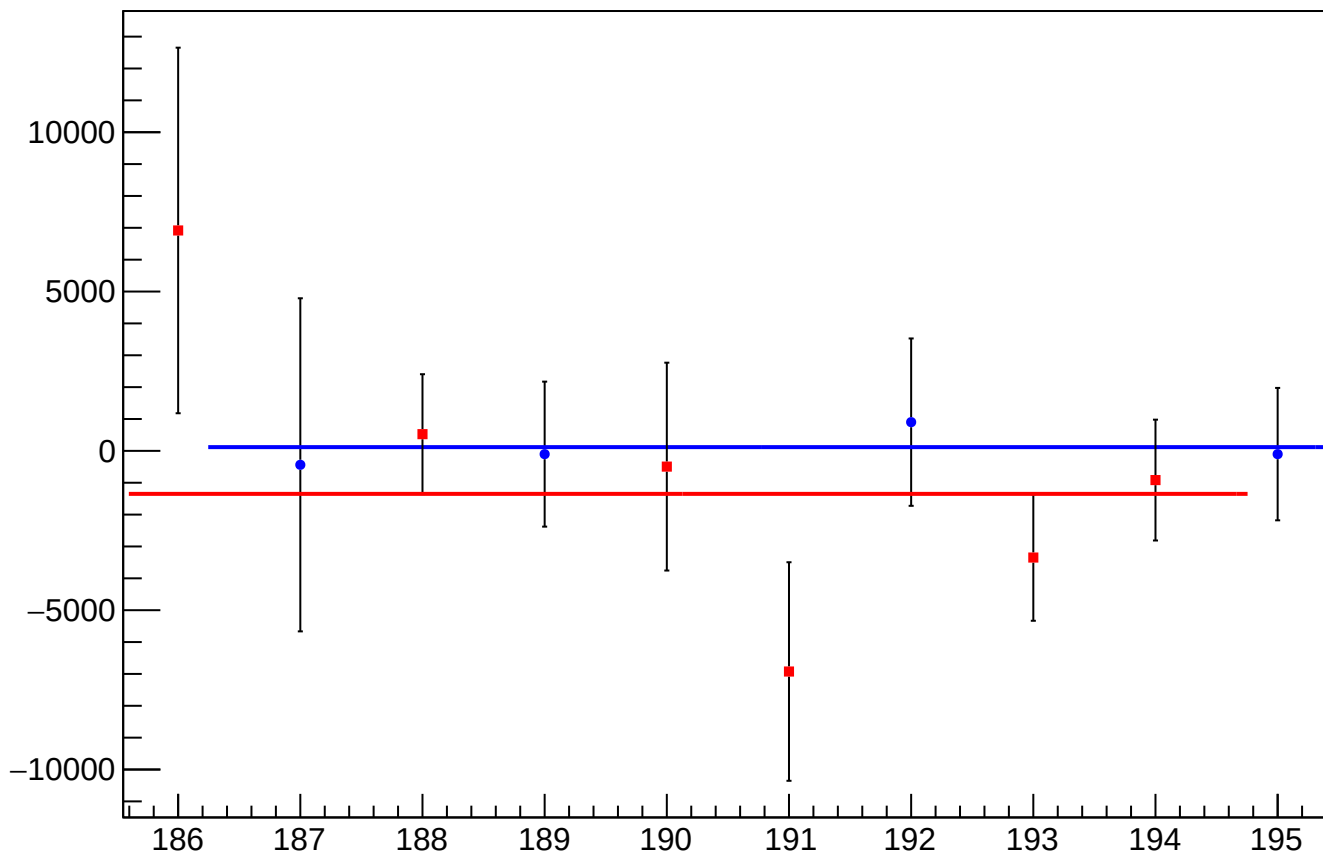
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 170.783+/-0.054  $\chi^2/\text{NDF}$ : 570391.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

asym\_sam\_12345678\_avg\_correction\_mean vs Slug



Right In: 117.469+/-1284.159  $\chi^2/\text{NDF}$ : 0.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1349.455+/-988.142  $\chi^2/\text{NDF}$ : 6.8/5

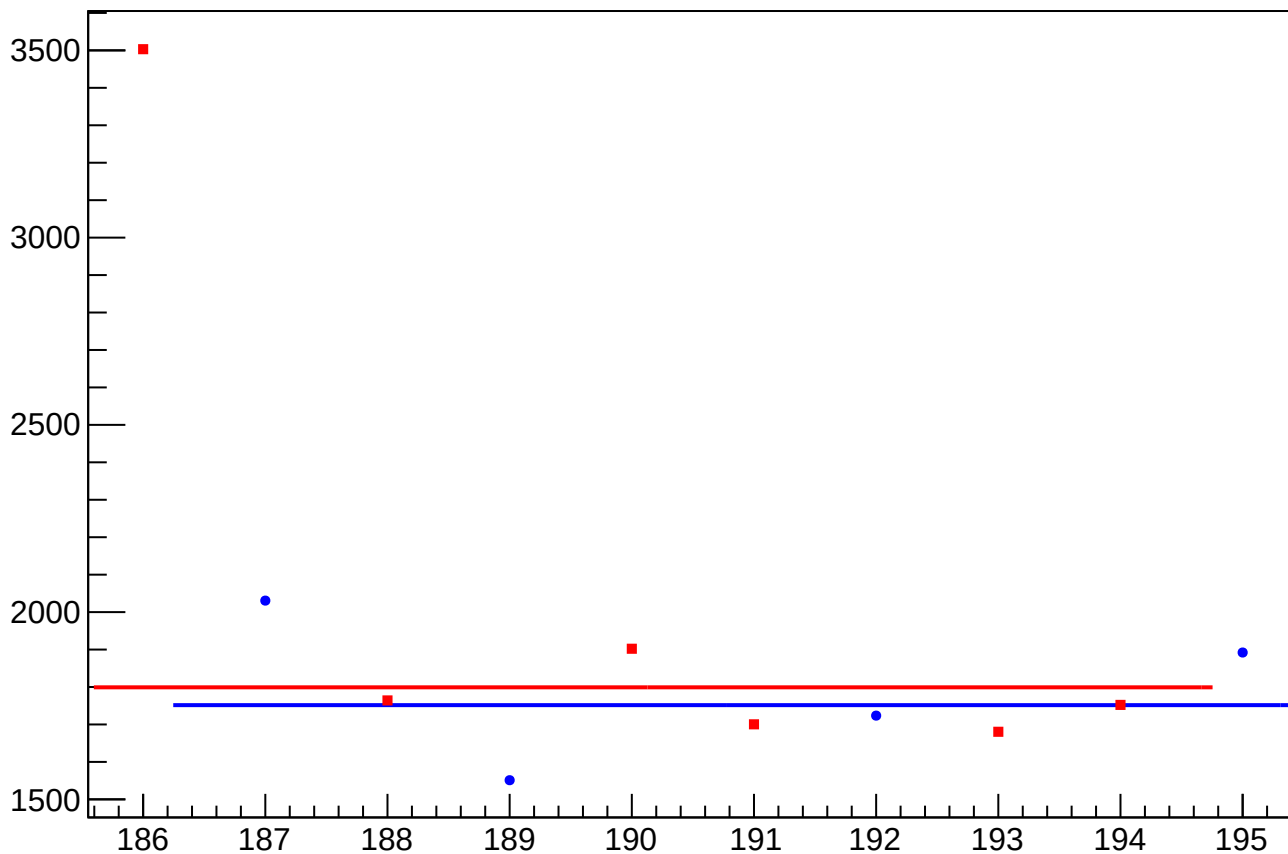
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -803.903+/-783.129  $\chi^2/\text{NDF}$ : 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: 1751.580+/-0.908  $\chi^2/\text{NDF}$ : 30597.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1799.148+/-0.699  $\chi^2/\text{NDF}$ : 189208.6/5

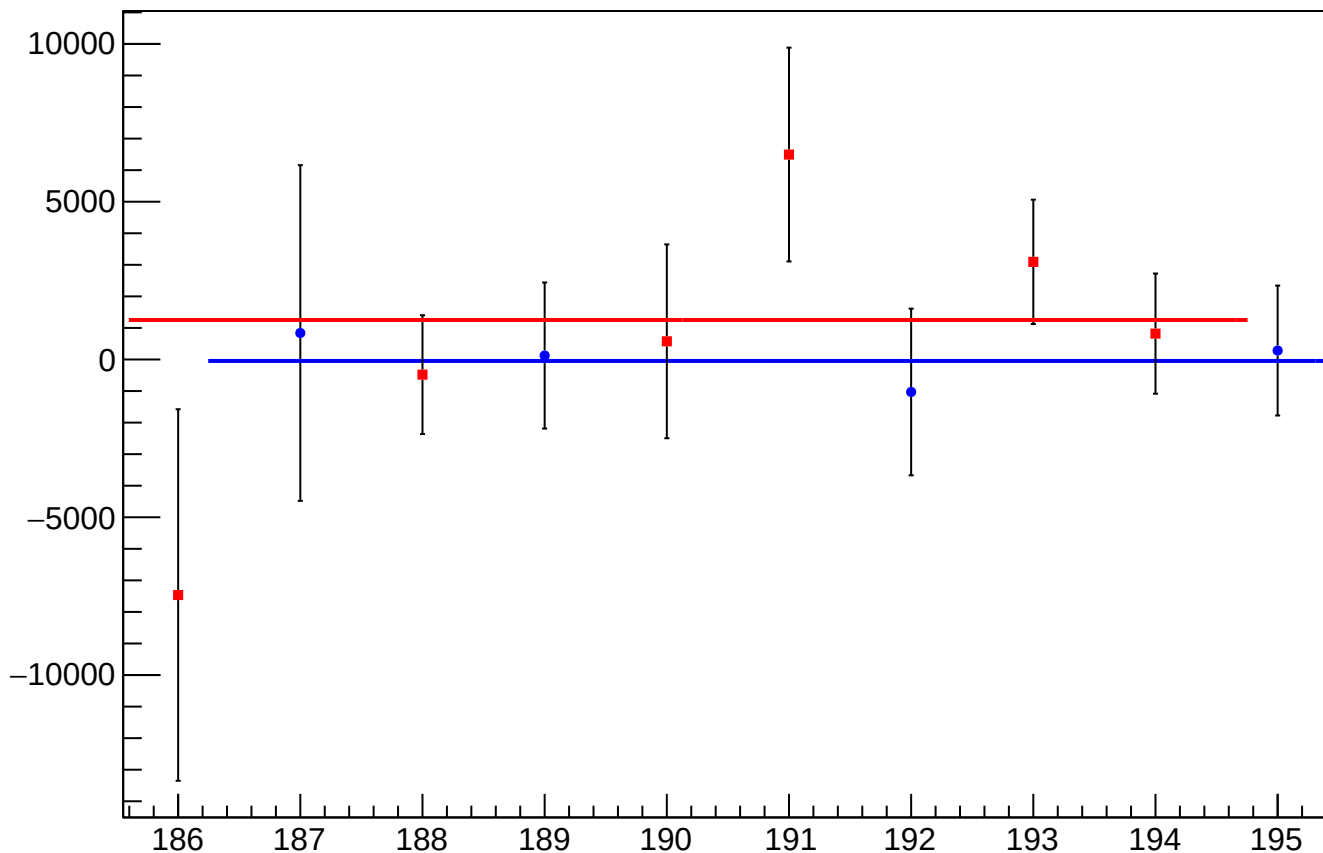
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1781.457+/-0.554  $\chi^2/\text{NDF}$ : 221529.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 1252.605 $\pm$ 981.875  $\chi^2$ /NDF: 6.4/5

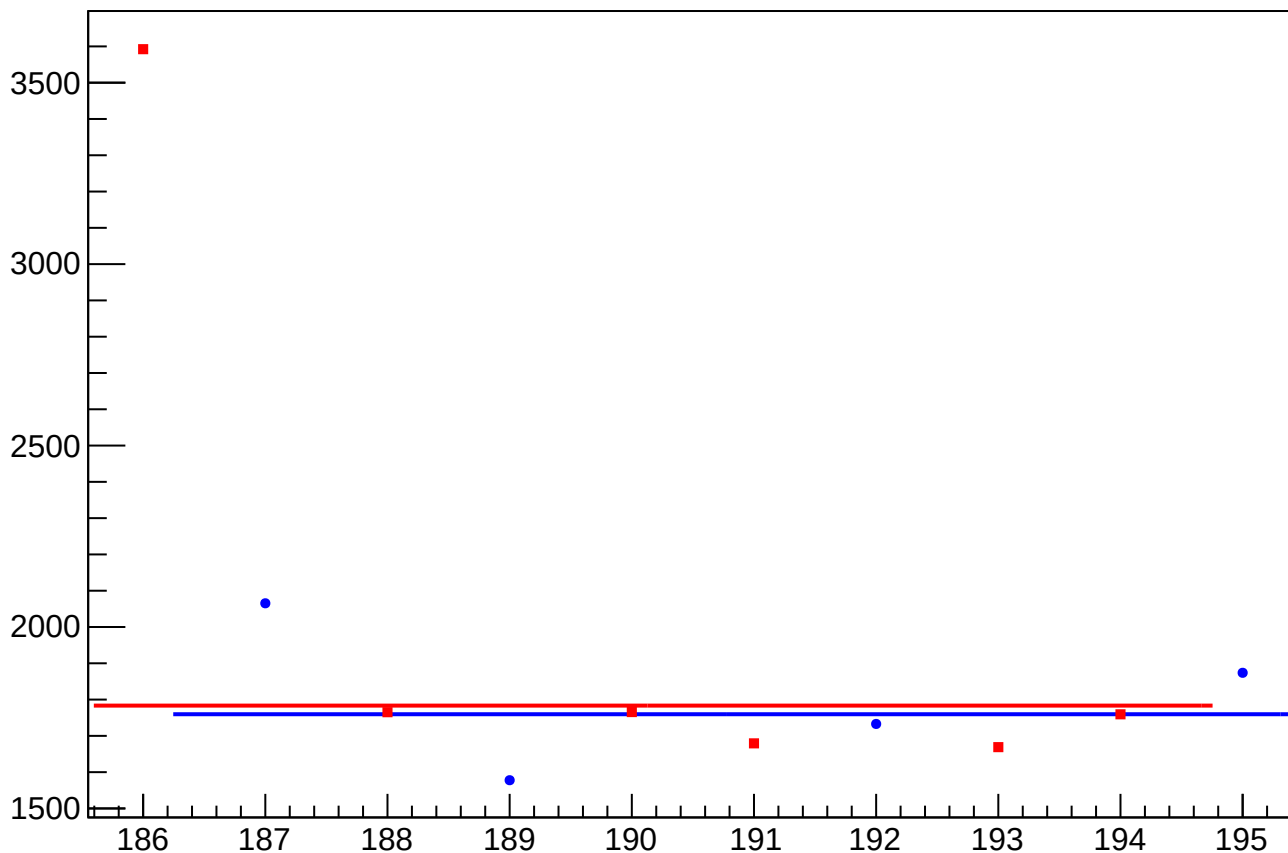
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 775.885 $\pm$ 781.152  $\chi^2$ /NDF: 7.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# asym\_sam\_12345678\_avg\_rms vs Slug



Right In: 1759.626+/-0.912  $\chi^2/\text{NDF}$ : 25308.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1783.399+/-0.694  $\chi^2/\text{NDF}$ : 197980.4/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

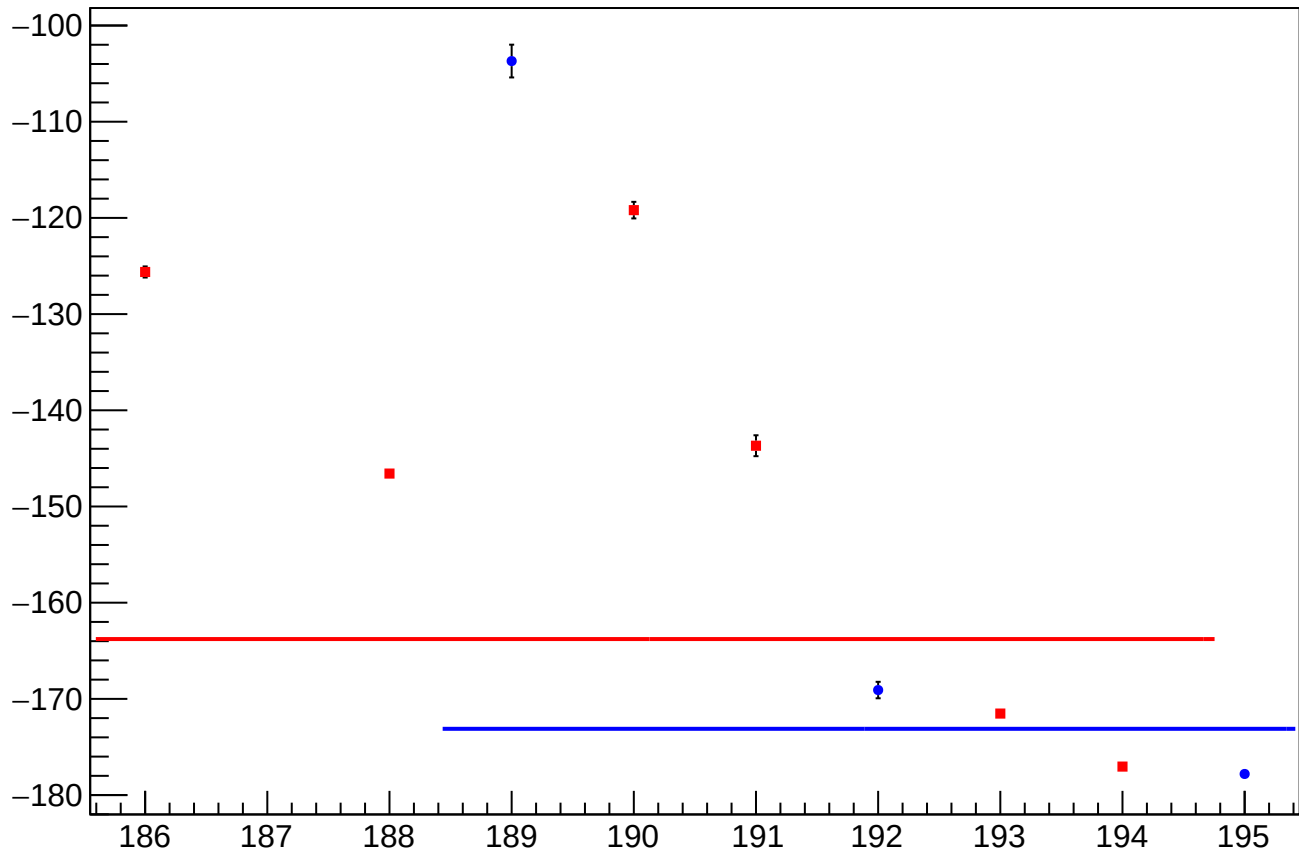
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1774.673+/-0.552  $\chi^2/\text{NDF}$ : 223719.1/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_usl\_4aX\_slope vs Slug



Right In:  $-173.111 \pm 0.354$   $\chi^2/\text{NDF}: 1820.5/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-163.781 \pm 0.134$   $\chi^2/\text{NDF}: 14432.3/5$

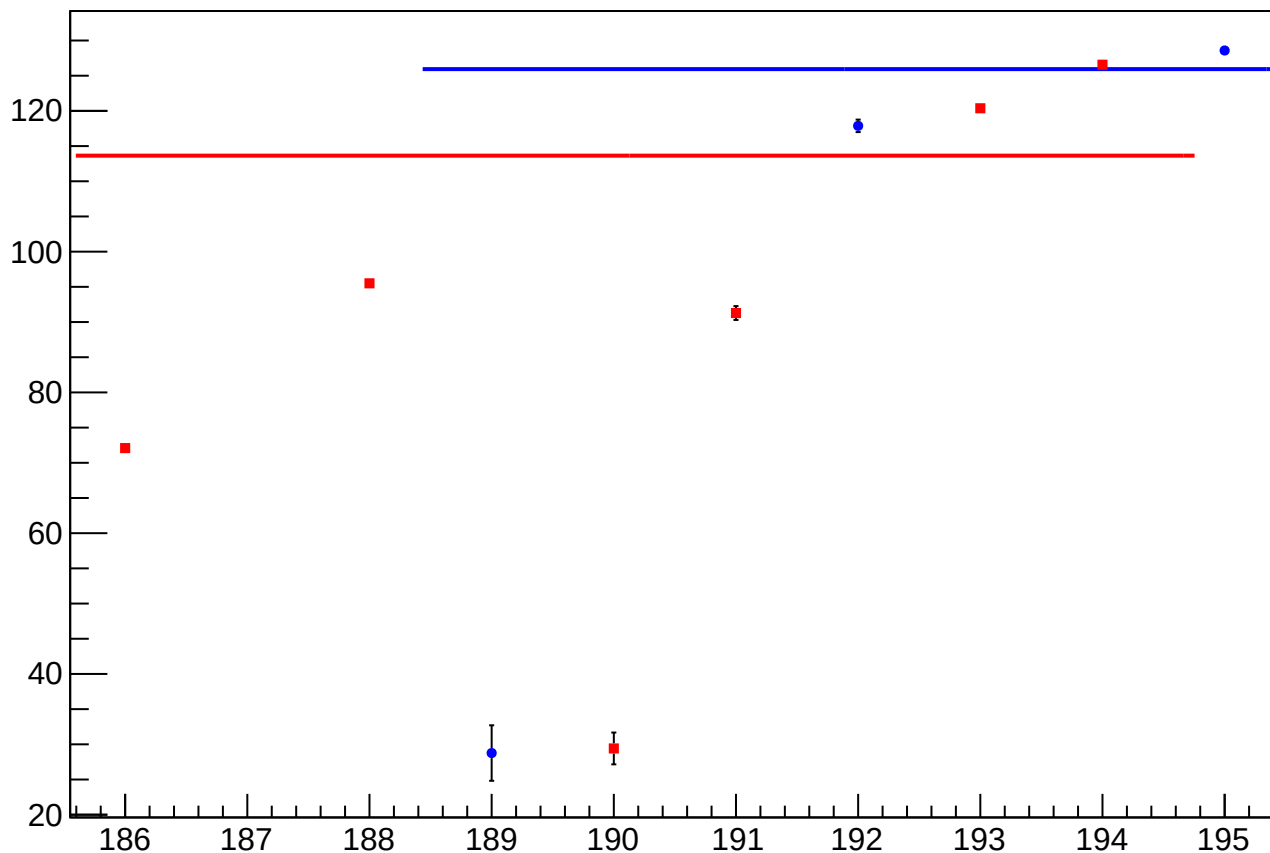
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-164.948 \pm 0.125$   $\chi^2/\text{NDF}: 16860.7/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_usl\_4eX\_slope vs Slug



Right In: 125.935 $\pm$ 0.364  $\chi^2$ /NDF: 733.8/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 113.642 $\pm$ 0.124  $\chi^2$ /NDF: 16967.7/5

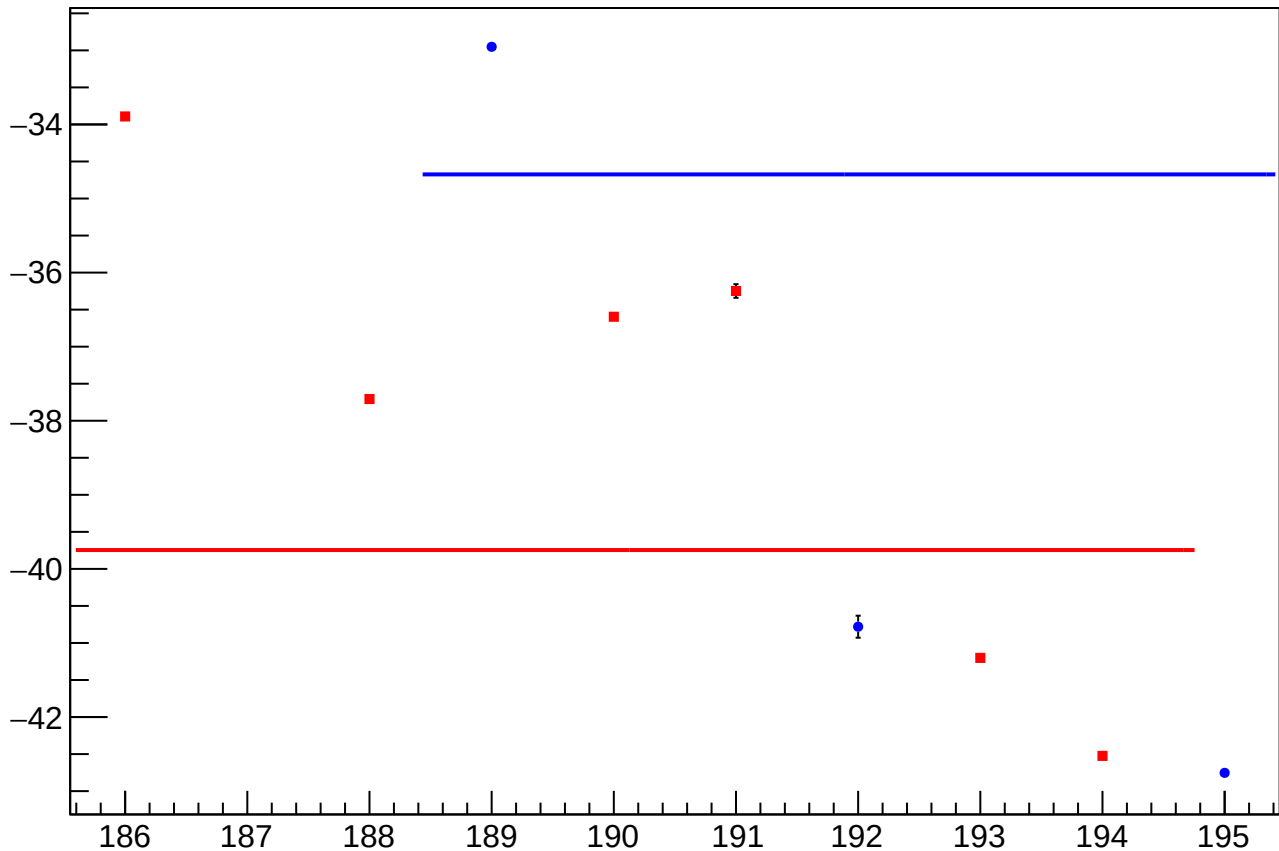
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 114.917 $\pm$ 0.117  $\chi^2$ /NDF: 18726.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_11X12X\_slope vs Slug



Right In:  $-34.674 \pm 0.026$   $\chi^2/\text{NDF}$ : 19864.6/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.745 \pm 0.017$   $\chi^2/\text{NDF}$ : 26416.0/5

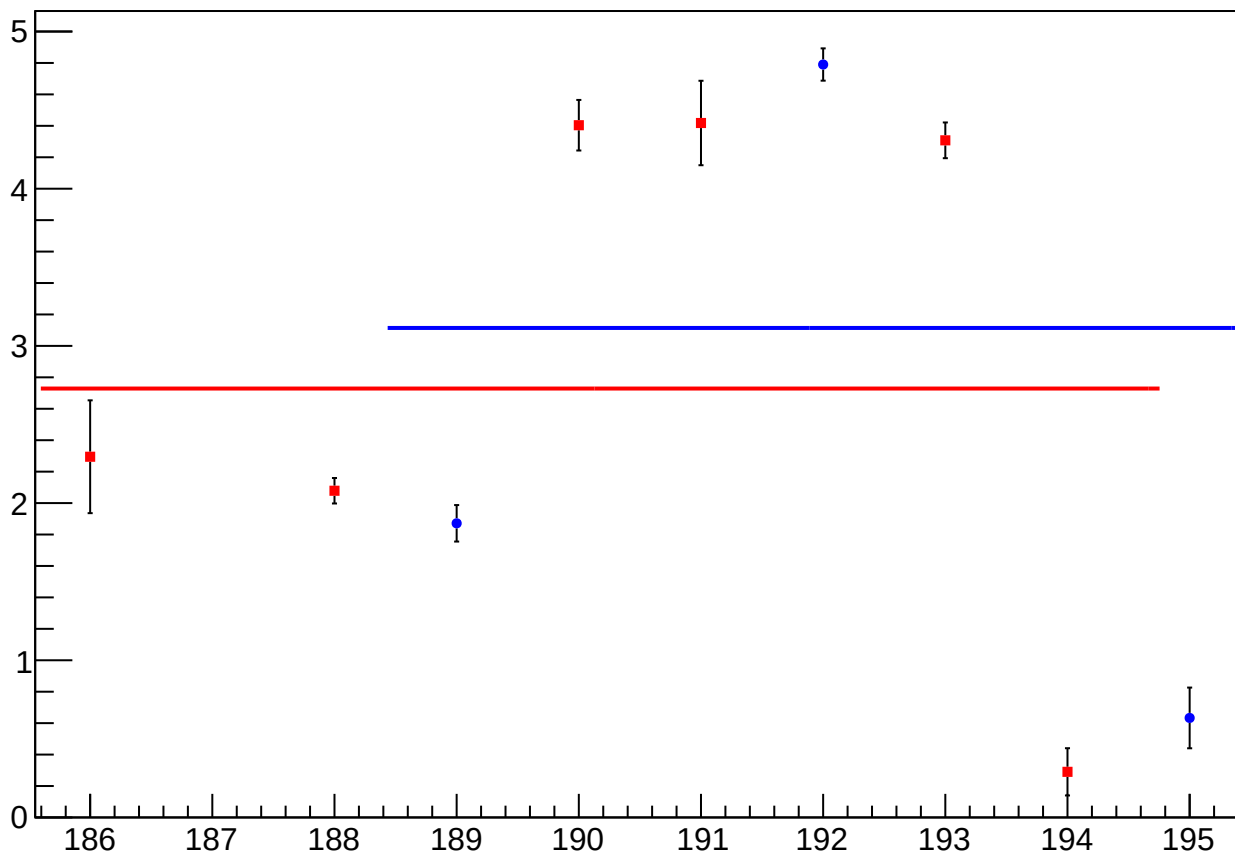
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-38.204 \pm 0.014$   $\chi^2/\text{NDF}$ : 72730.2/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_4aY\_slope vs Slug



Right In: 3.114 $\pm$ 0.071  $\chi^2$ /NDF: 545.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.729 $\pm$ 0.055  $\chi^2$ /NDF: 670.2/5

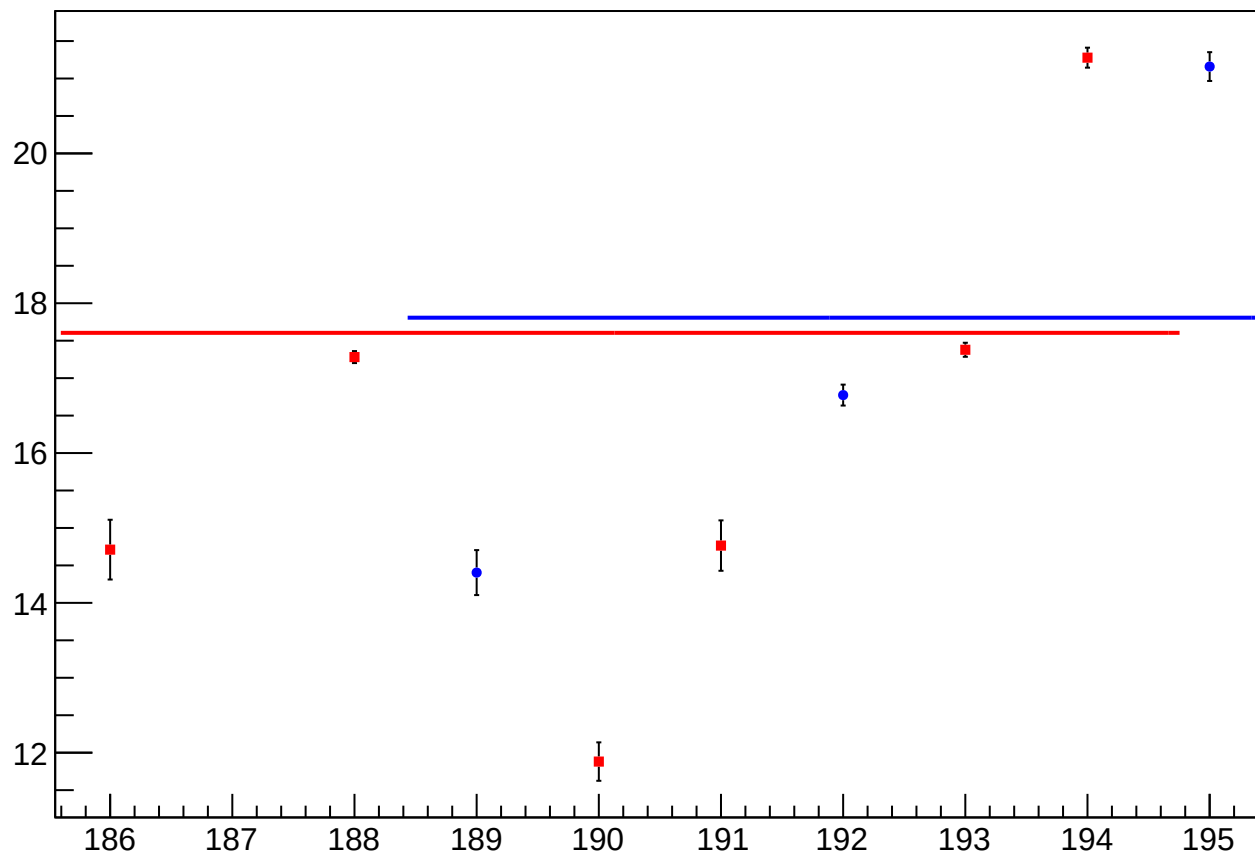
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.871 $\pm$ 0.043  $\chi^2$ /NDF: 1234.3/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_4eY\_slope vs Slug



Right In: 17.807 $\pm$ 0.106  $\chi^2$ /NDF: 487.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.605 $\pm$ 0.053  $\chi^2$ /NDF: 1401.5/5

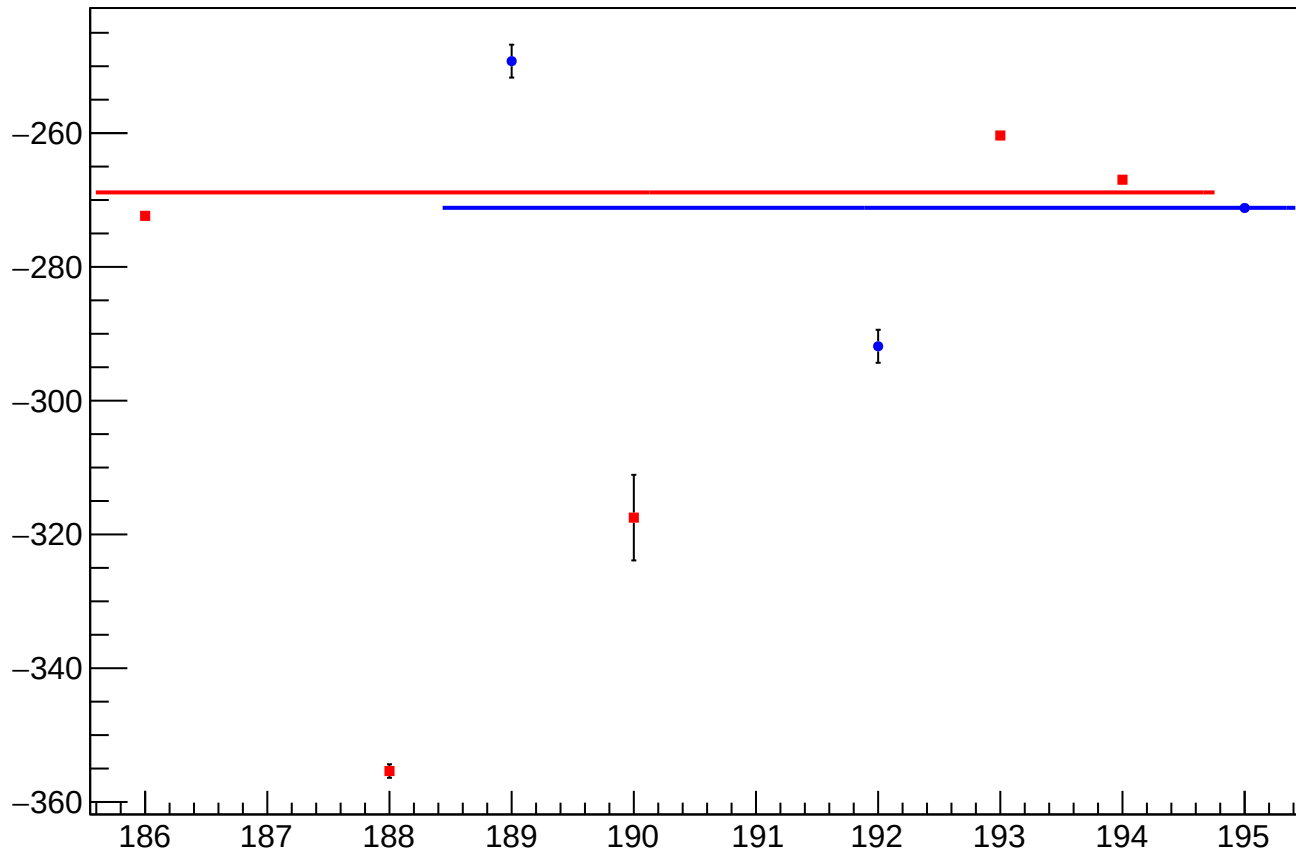
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.645 $\pm$ 0.047  $\chi^2$ /NDF: 1891.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_4aX\_slope vs Slug



Right In:  $-271.167 \pm 0.322$   $\chi^2/\text{NDF}$ : 149.7/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-268.864 \pm 0.181$   $\chi^2/\text{NDF}$ : 8325.1/4

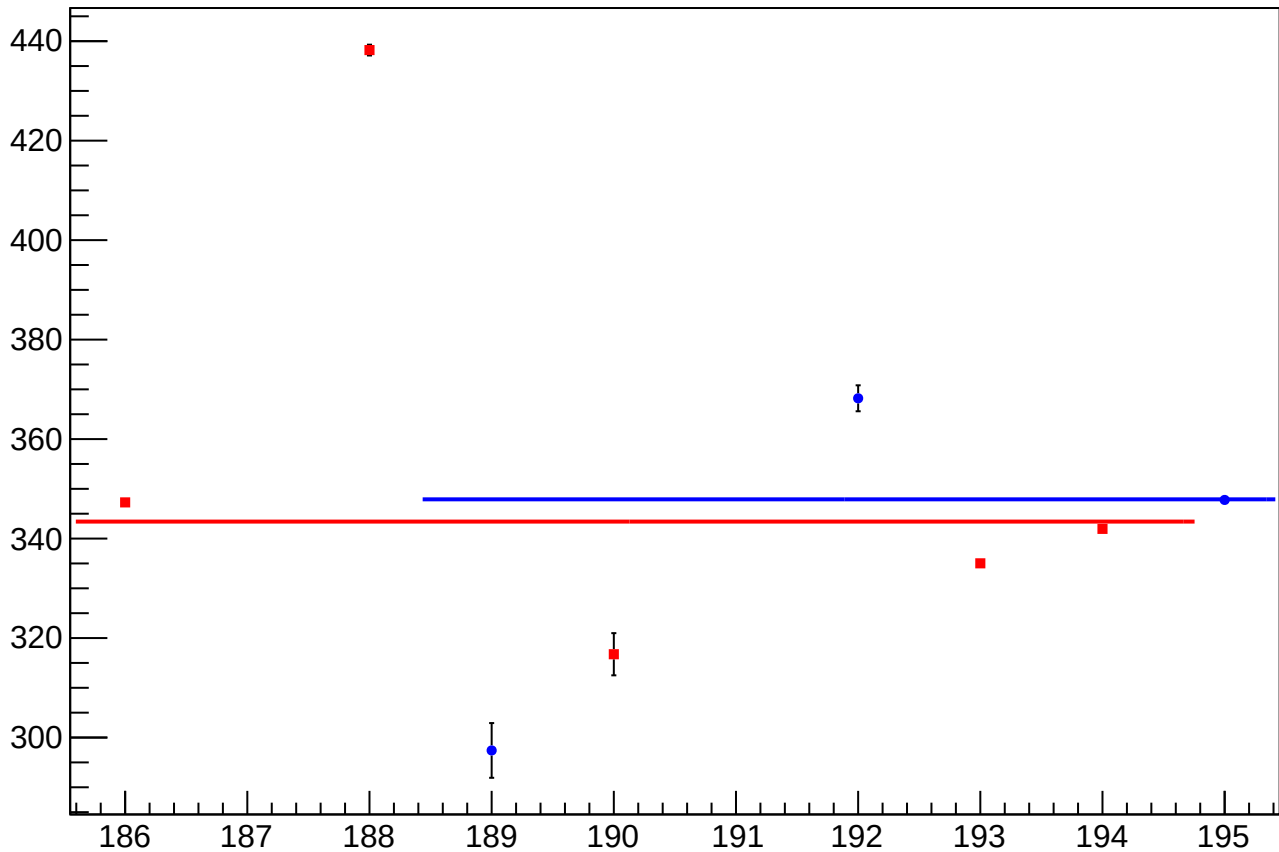
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-269.417 \pm 0.158$   $\chi^2/\text{NDF}$ : 8513.6/7

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_4eX\_slope vs Slug



Right In: 347.889 $\pm$ 0.299  $\chi^2$ /NDF: 144.9/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 343.416 $\pm$ 0.168  $\chi^2$ /NDF: 8706.3/4

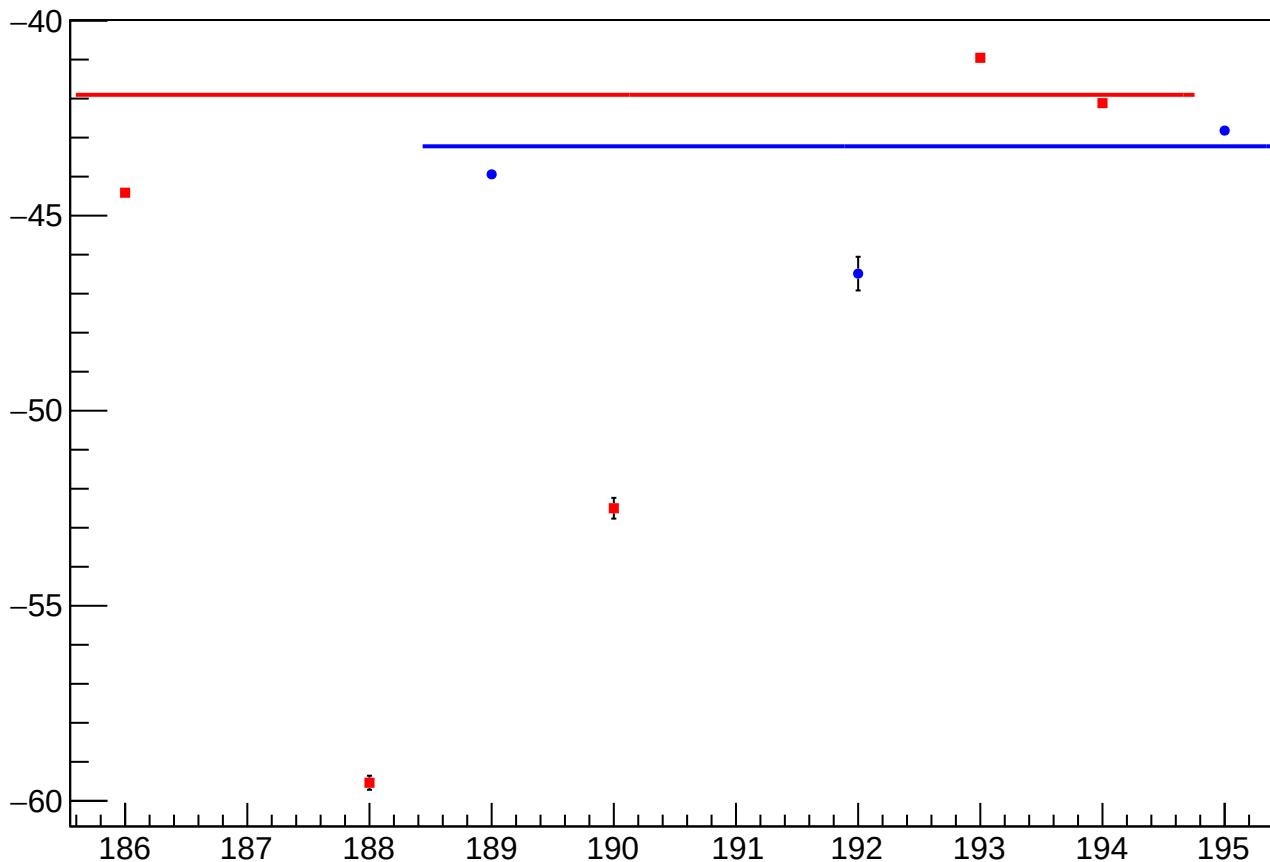
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 344.490 $\pm$ 0.146  $\chi^2$ /NDF: 9021.7/7

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_11X12X\_slope vs Slug



Right In:  $-43.223 \pm 0.036$   $\chi^2/\text{NDF}: 268.8/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-41.903 \pm 0.022$   $\chi^2/\text{NDF}: 13085.6/4$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

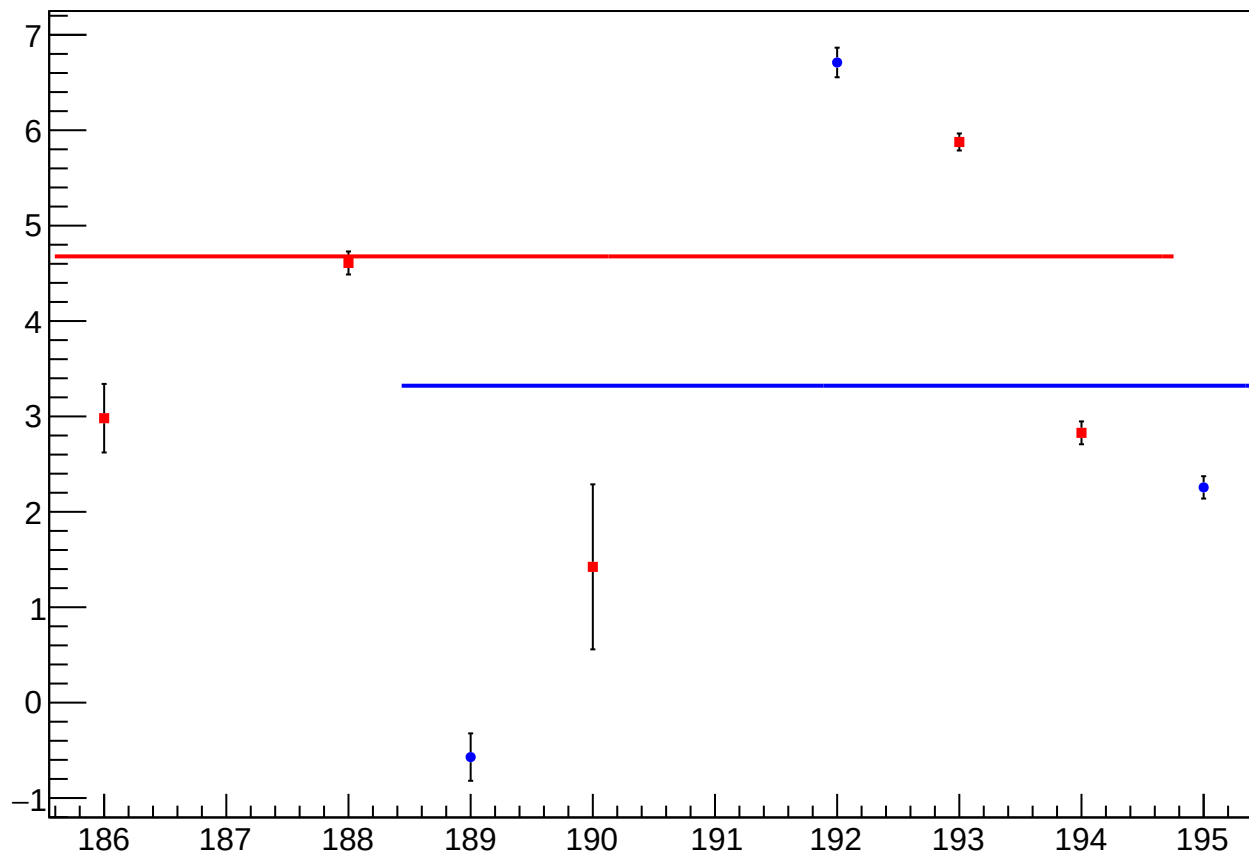
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-42.264 \pm 0.019$   $\chi^2/\text{NDF}: 14311.1/7$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# dit\_usr\_4aY\_slope vs Slug



Right In:  $3.322 \pm 0.087$   $\chi^2/\text{NDF}: 805.1/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $4.678 \pm 0.060$   $\chi^2/\text{NDF}: 456.0/4$

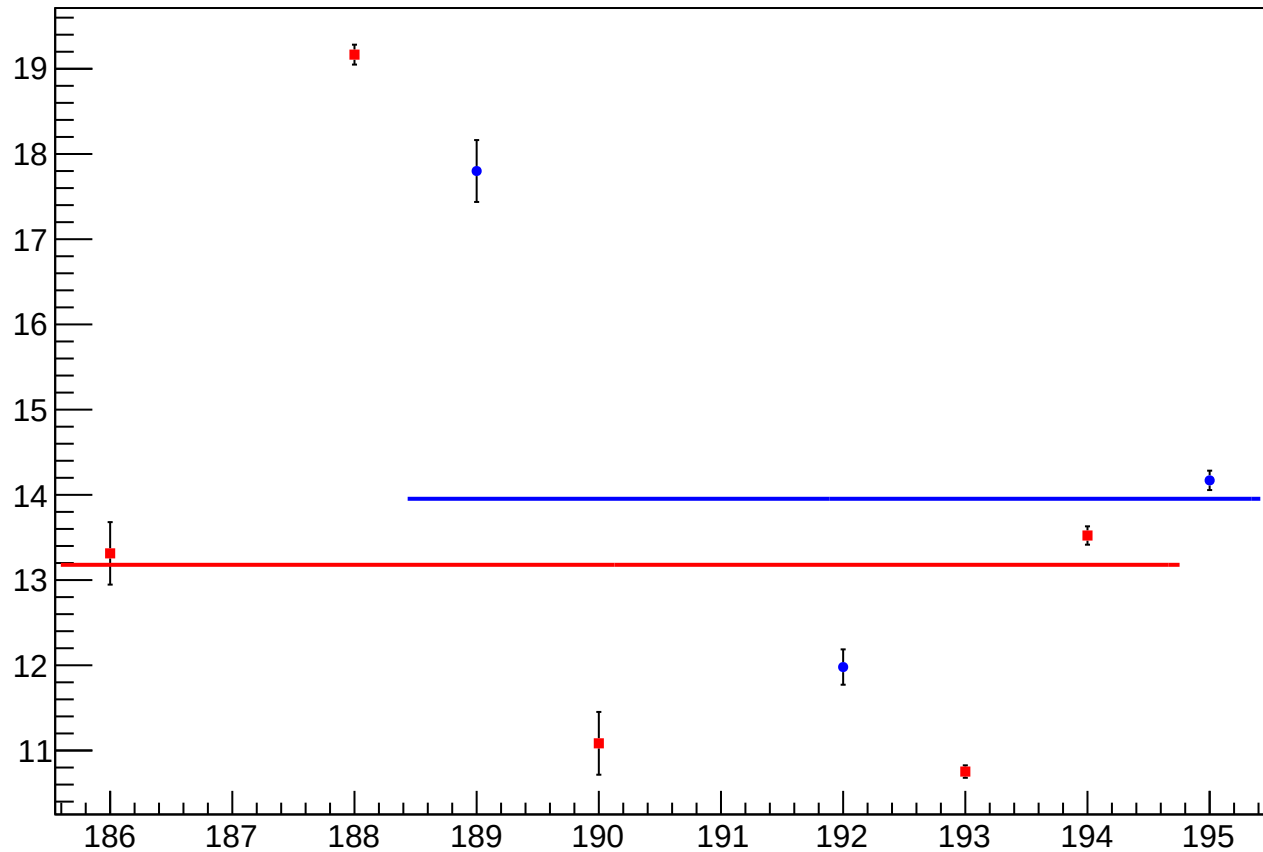
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $4.239 \pm 0.050$   $\chi^2/\text{NDF}: 1423.6/7$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_usr\_4eY\_slope vs Slug



Right In: 13.954 $\pm$ 0.096  $\chi^2$ /NDF: 206.4/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.179 $\pm$ 0.053  $\chi^2$ /NDF: 3767.1/4

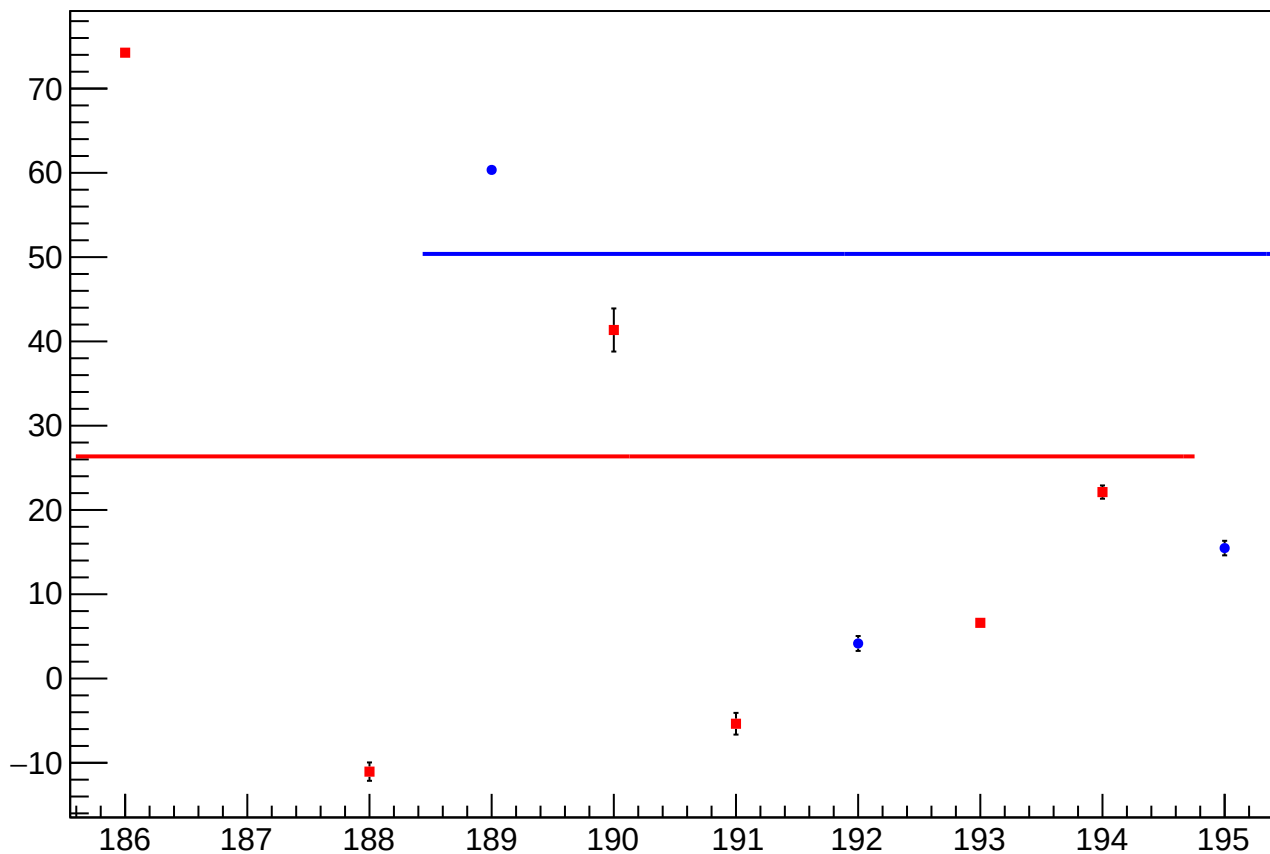
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 13.358 $\pm$ 0.046  $\chi^2$ /NDF: 4023.5/7

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4aX\_slope vs Slug



Right In: 50.381 $\pm$ 0.275  $\chi^2$ /NDF: 5417.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 26.355 $\pm$ 0.315  $\chi^2$ /NDF: 9897.8/5

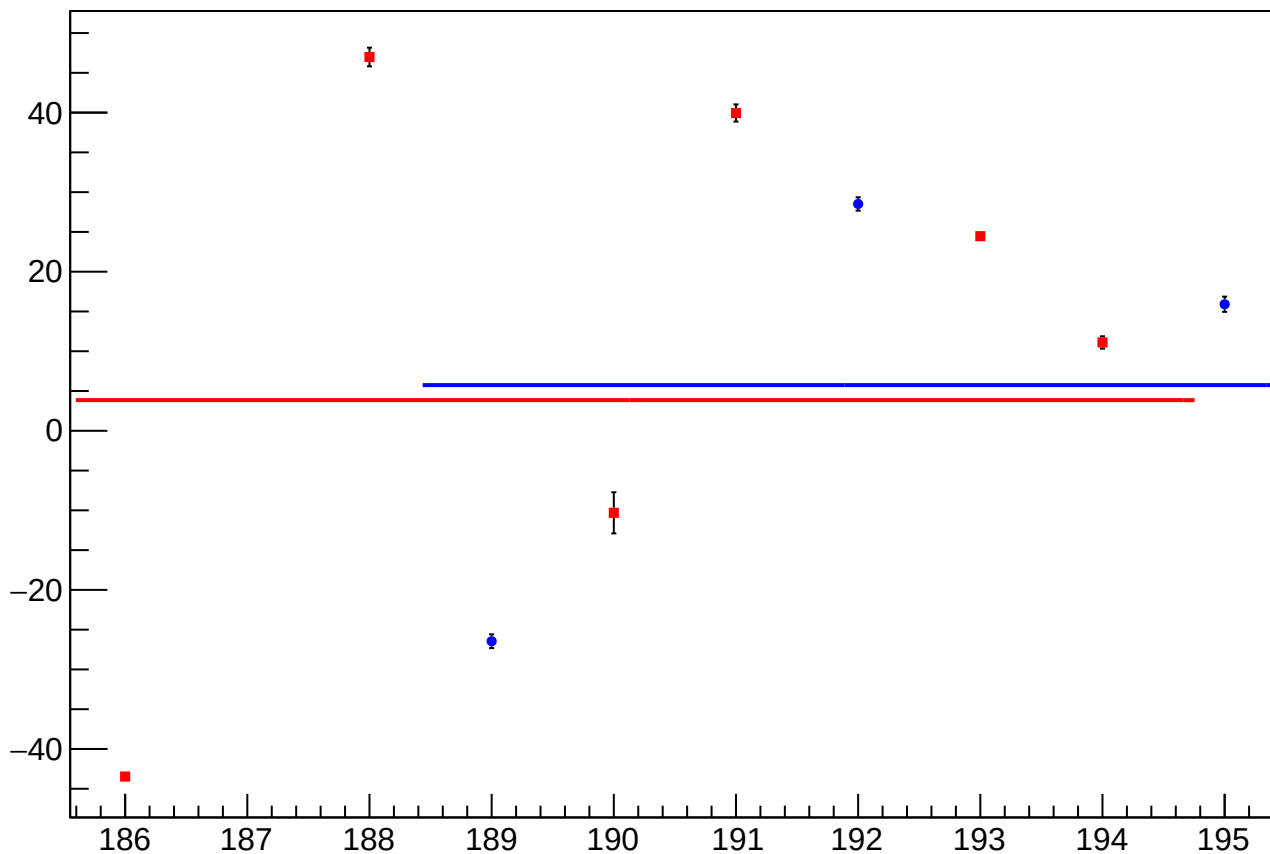
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 39.993 $\pm$ 0.207  $\chi^2$ /NDF: 18619.0/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4eX\_slope vs Slug



Right In: 5.743 $\pm$ 0.511  $\chi^2$ /NDF: 2219.8/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.853 $\pm$ 0.295  $\chi^2$ /NDF: 12410.4/5

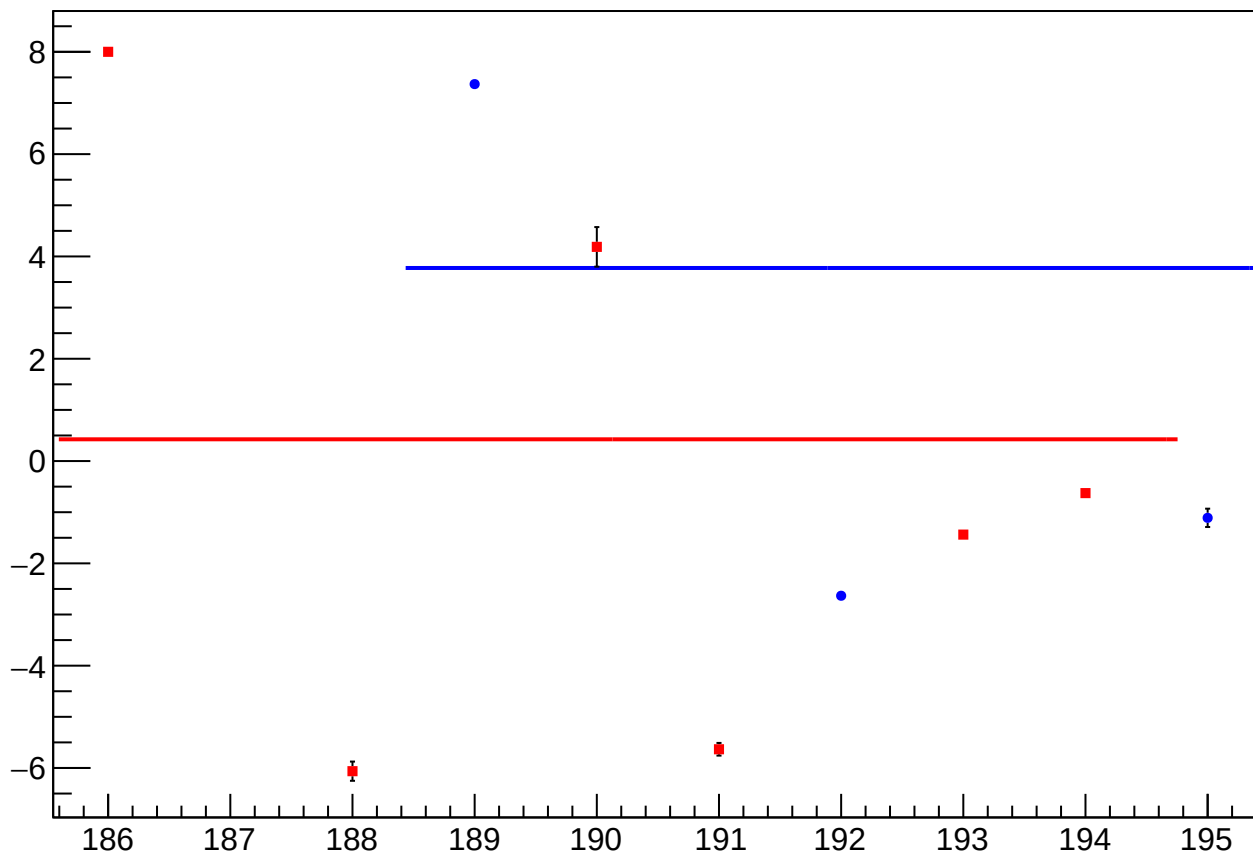
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.324 $\pm$ 0.255  $\chi^2$ /NDF: 14640.4/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_11X12X\_slope vs Slug



Right In: 3.774 $\pm$ 0.049  $\chi^2$ /NDF: 9308.5/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.425 $\pm$ 0.040  $\chi^2$ /NDF: 13452.7/5

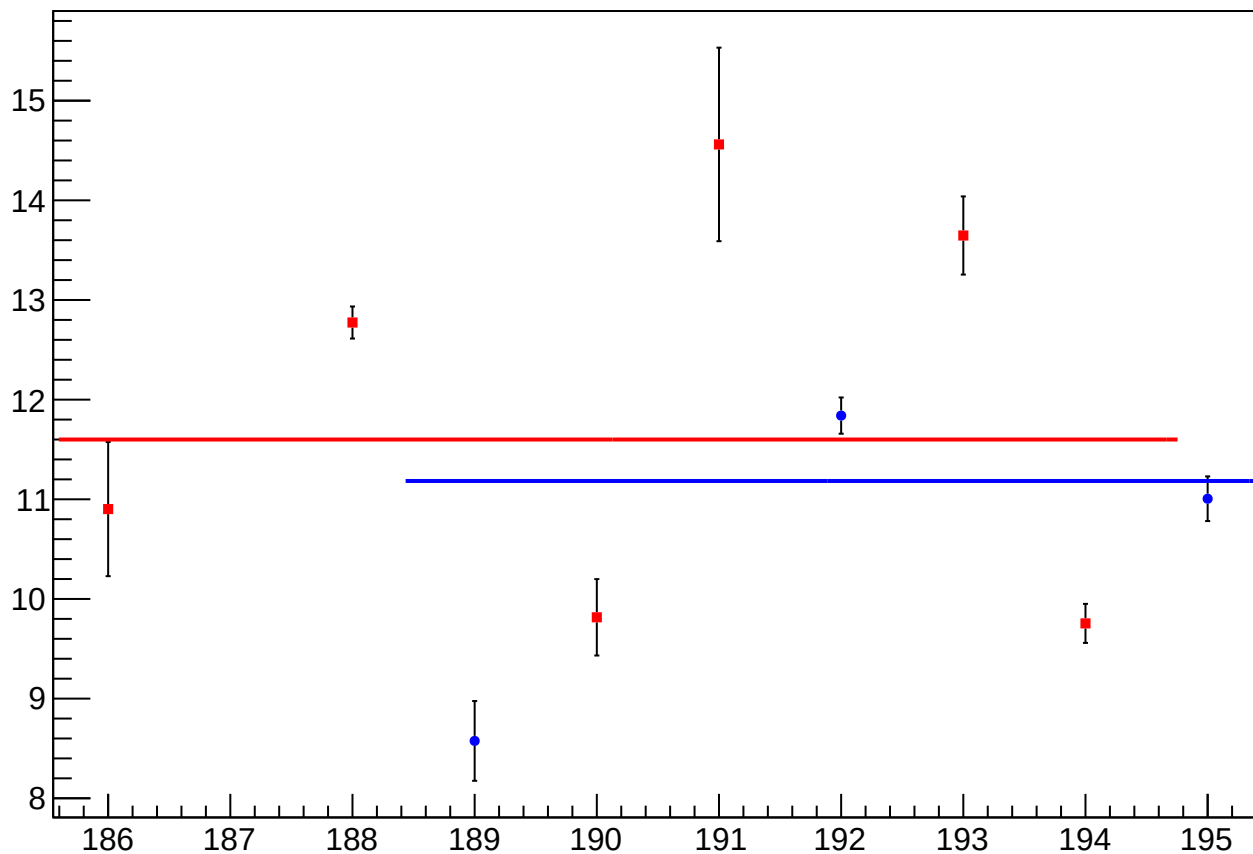
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.764 $\pm$ 0.031  $\chi^2$ /NDF: 25599.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4aY\_slope vs Slug



Right In: 11.184 $\pm$ 0.133  $\chi^2$ /NDF: 56.1/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11.600 $\pm$ 0.111  $\chi^2$ /NDF: 201.3/5

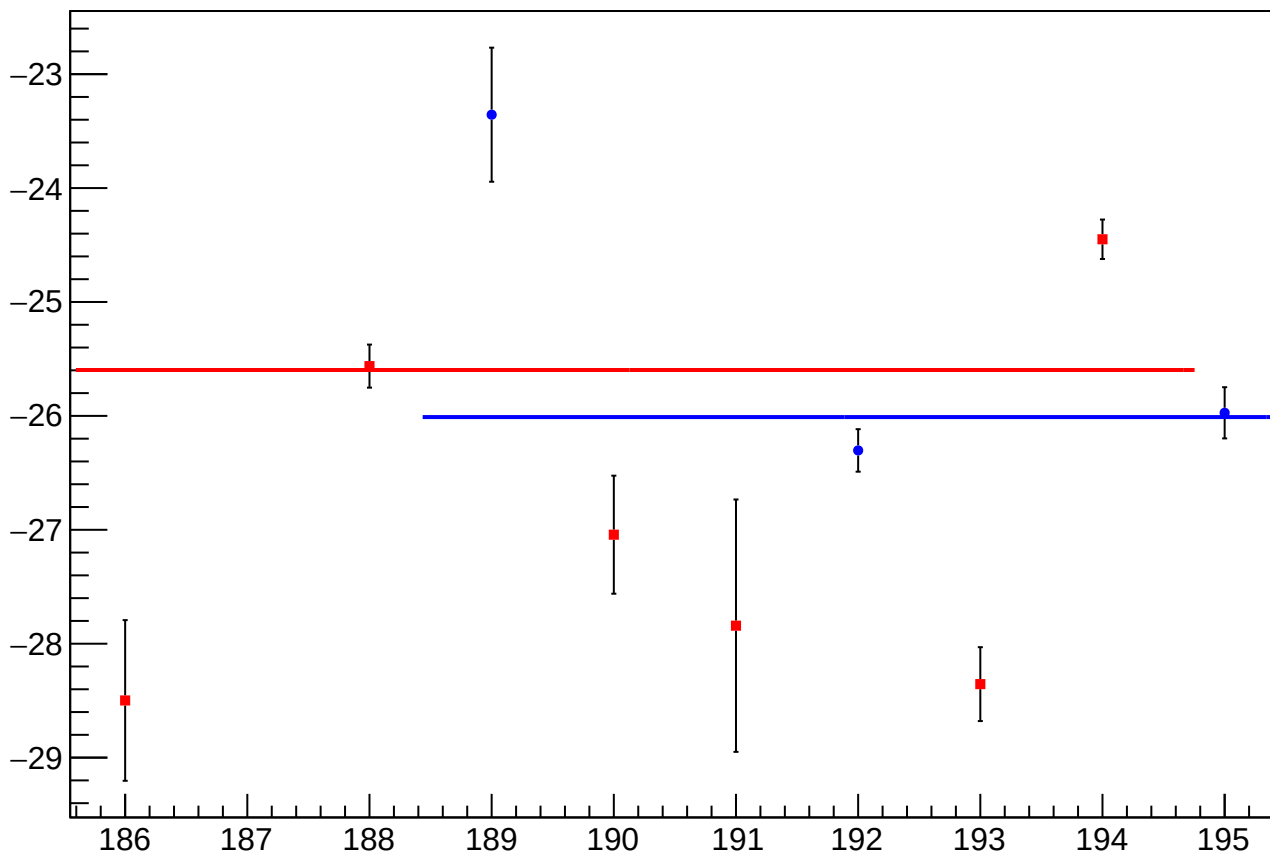
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 11.429 $\pm$ 0.085  $\chi^2$ /NDF: 263.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_4eY\_slope vs Slug



Right In:  $-26.010 \pm 0.139$   $\chi^2/\text{NDF}$ : 22.8/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-25.597 \pm 0.114$   $\chi^2/\text{NDF}$ : 145.1/5

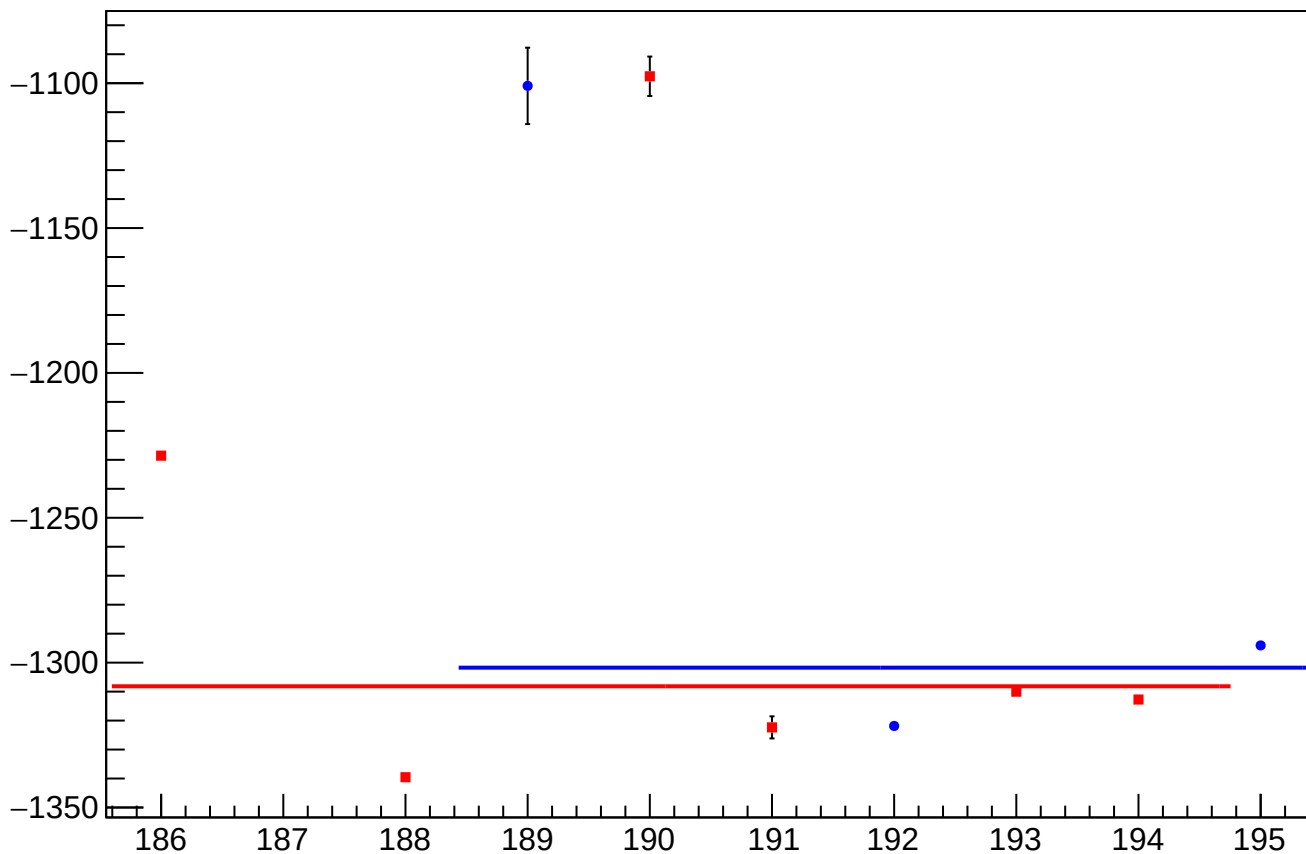
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-25.762 \pm 0.088$   $\chi^2/\text{NDF}$ : 173.2/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_4aX\_slope vs Slug



Right In:  $-1301.739 \pm 0.745$   $\chi^2/\text{NDF}$ : 523.3/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1308.156 \pm 0.416$   $\chi^2/\text{NDF}$ : 4204.2/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

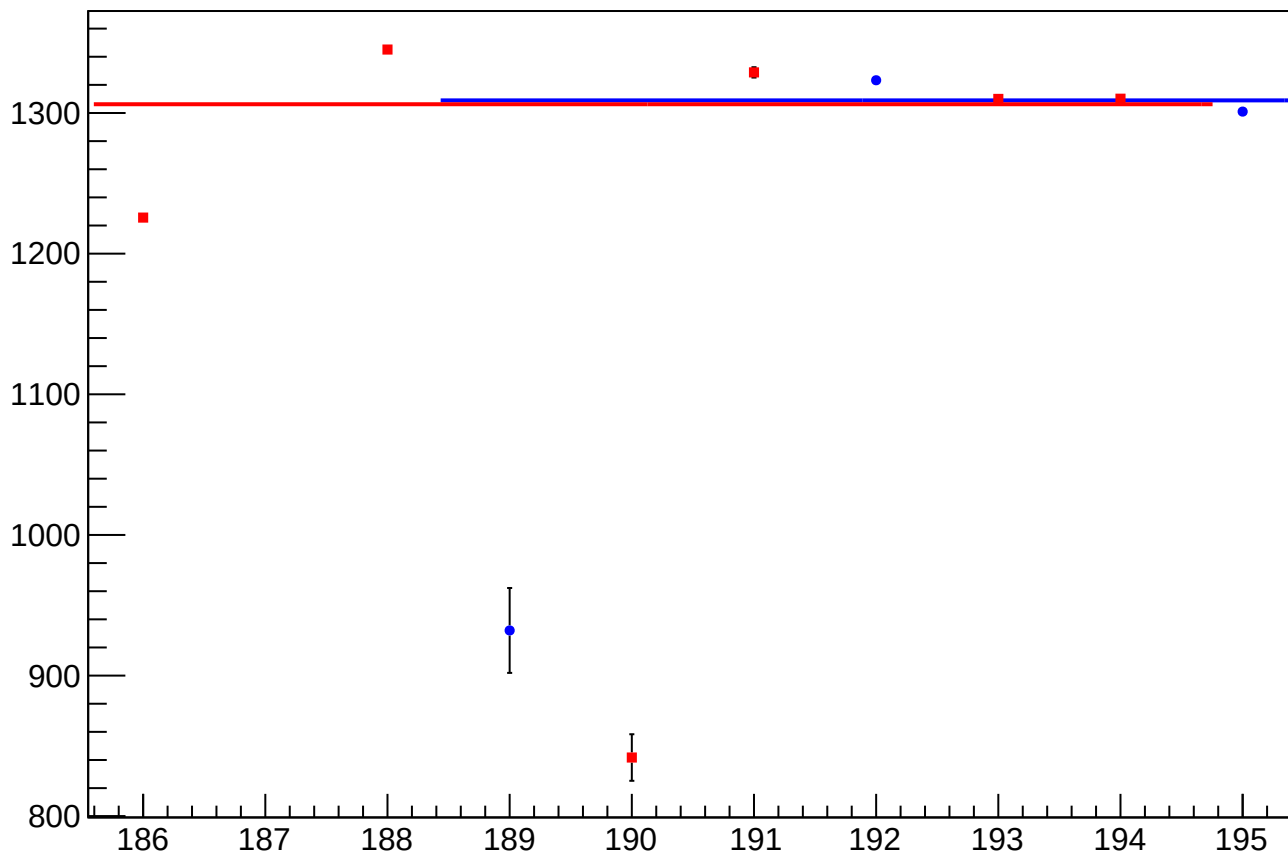
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1306.635 \pm 0.363$   $\chi^2/\text{NDF}$ : 4784.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



dit\_atl2\_4eX\_slope vs Slug



Right In: 1308.969 $\pm$ 0.768  $\chi^2$ /NDF: 352.0/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1306.229 $\pm$ 0.393  $\chi^2$ /NDF: 5173.5/5

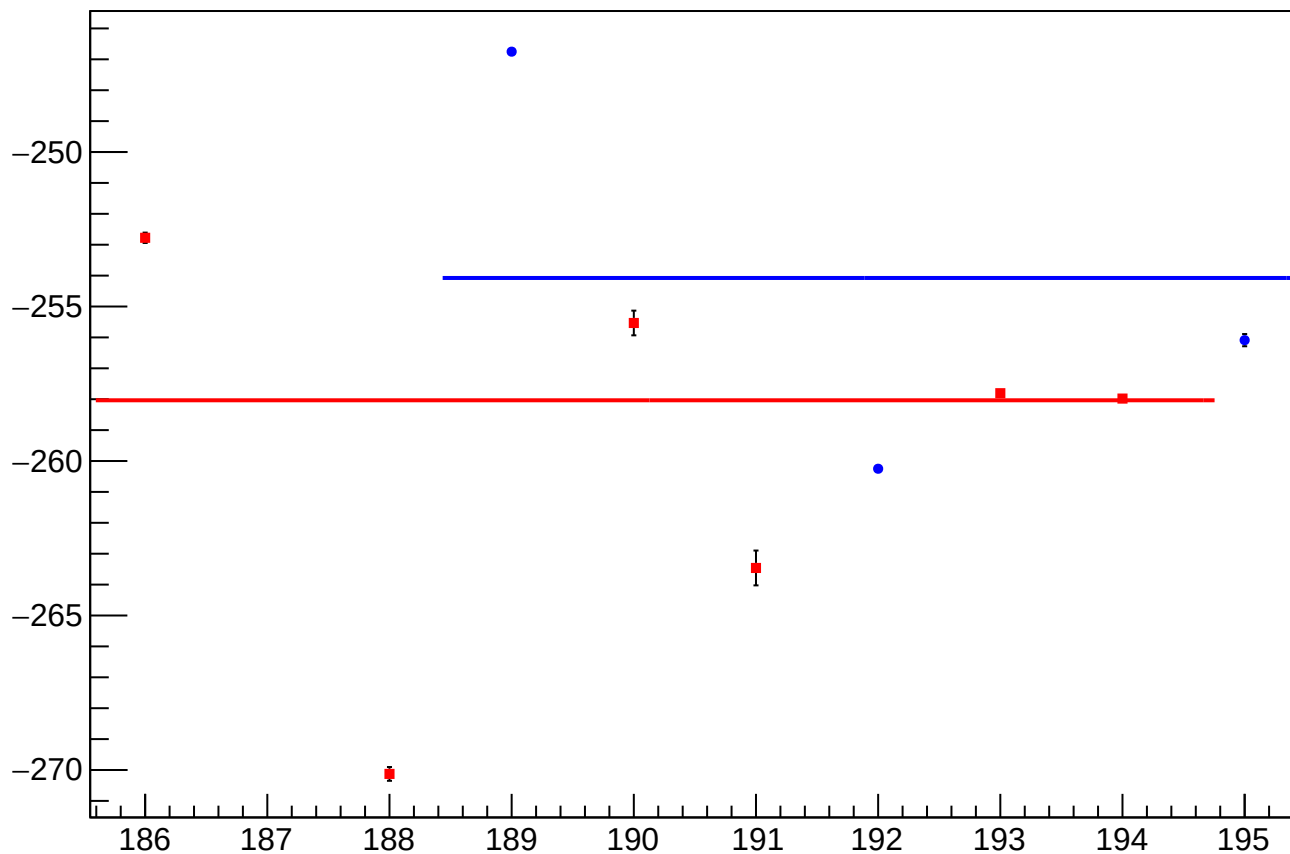
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1306.797 $\pm$ 0.350  $\chi^2$ /NDF: 5535.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_11X12X\_slope vs Slug



Right In:  $-254.076 \pm 0.082$   $\chi^2/\text{NDF}$ : 5722.2/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-258.035 \pm 0.047$   $\chi^2/\text{NDF}$ : 4072.6/5

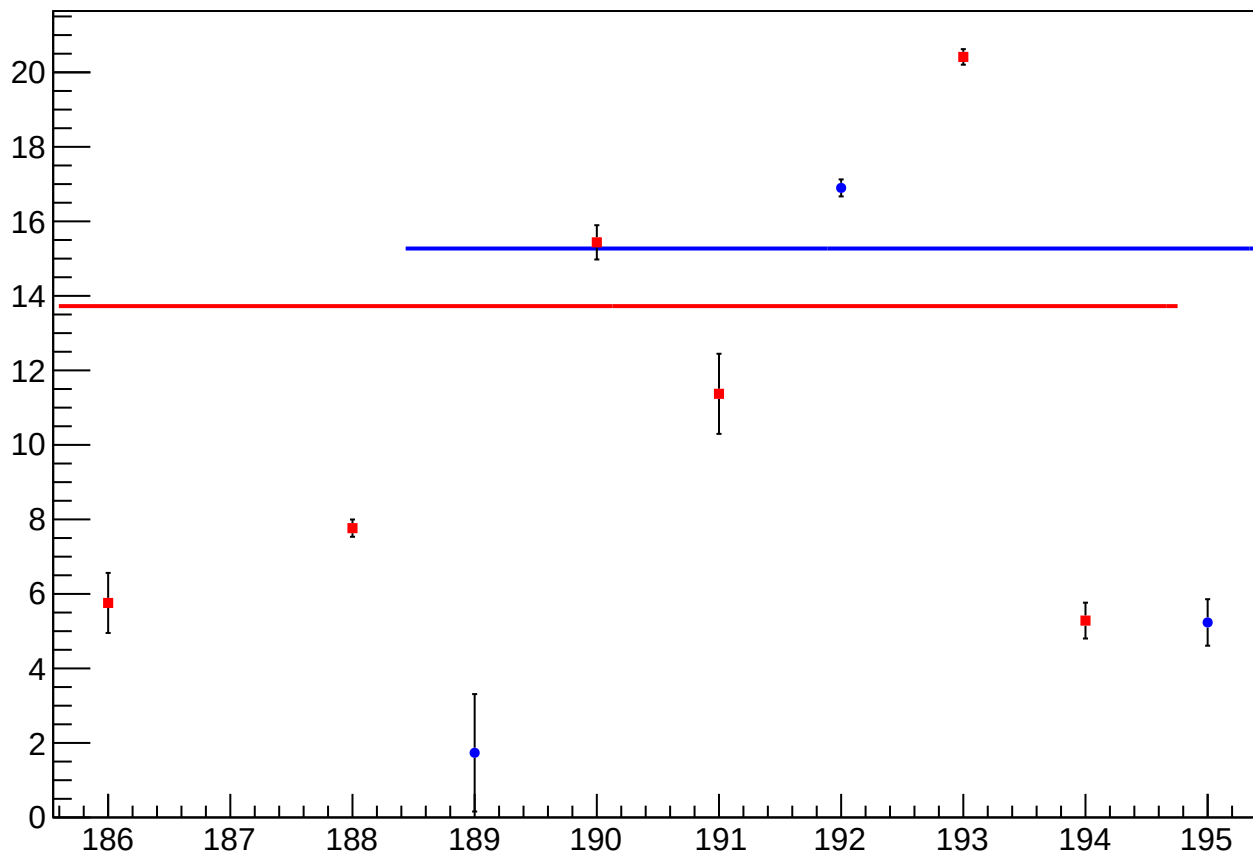
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-257.048 \pm 0.041$   $\chi^2/\text{NDF}$ : 11541.7/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_4aY\_slope vs Slug



Right In: 15.271 $\pm$ 0.212  $\chi^2$ /NDF: 383.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.725 $\pm$ 0.137  $\chi^2$ /NDF: 2110.3/5

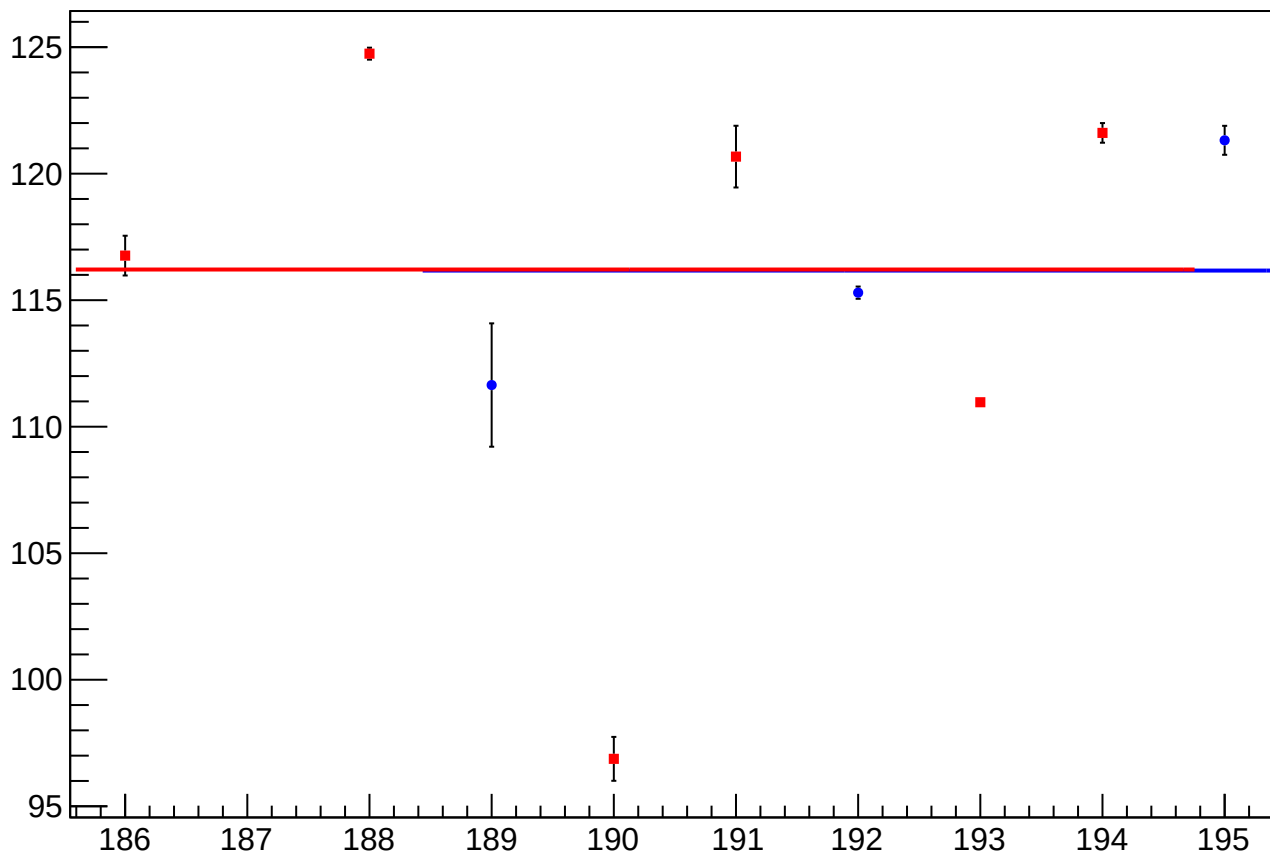
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 14.181 $\pm$ 0.115  $\chi^2$ /NDF: 2530.9/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_4eY\_slope vs Slug



Right In: 116.170 $\pm$ 0.222  $\chi^2$ /NDF: 97.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 116.212 $\pm$ 0.129  $\chi^2$ /NDF: 2876.8/5

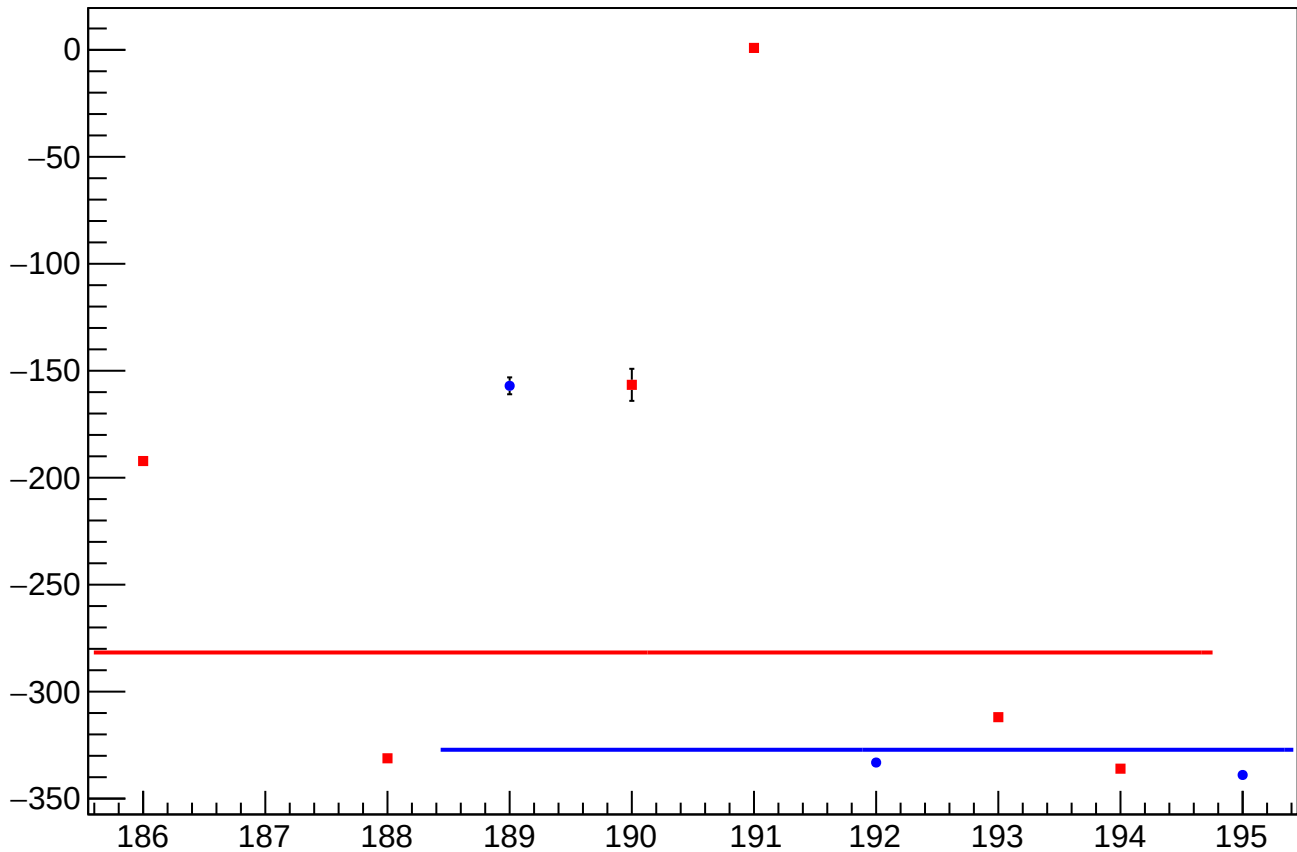
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 116.201 $\pm$ 0.112  $\chi^2$ /NDF: 2974.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_4aX\_slope vs Slug



Right In:  $-327.176 \pm 0.865$   $\chi^2/\text{NDF}$ : 1960.5/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-281.703 \pm 0.450$   $\chi^2/\text{NDF}$ : 48781.1/5

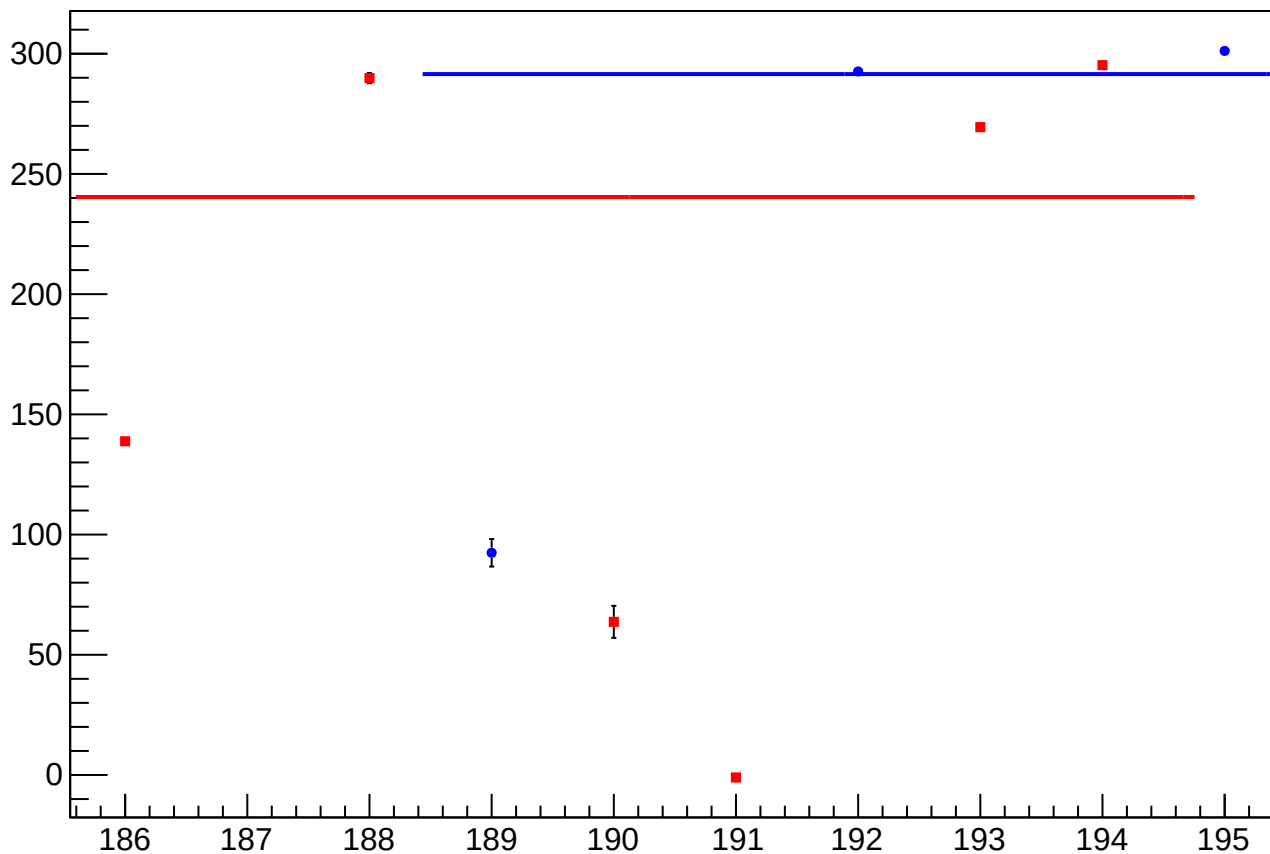
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-291.369 \pm 0.399$   $\chi^2/\text{NDF}$ : 52916.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_4eX\_slope vs Slug



Right In: 291.530 $\pm$ 0.866  $\chi^2$ /NDF: 1260.0/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 240.411 $\pm$ 0.429  $\chi^2$ /NDF: 48213.3/5

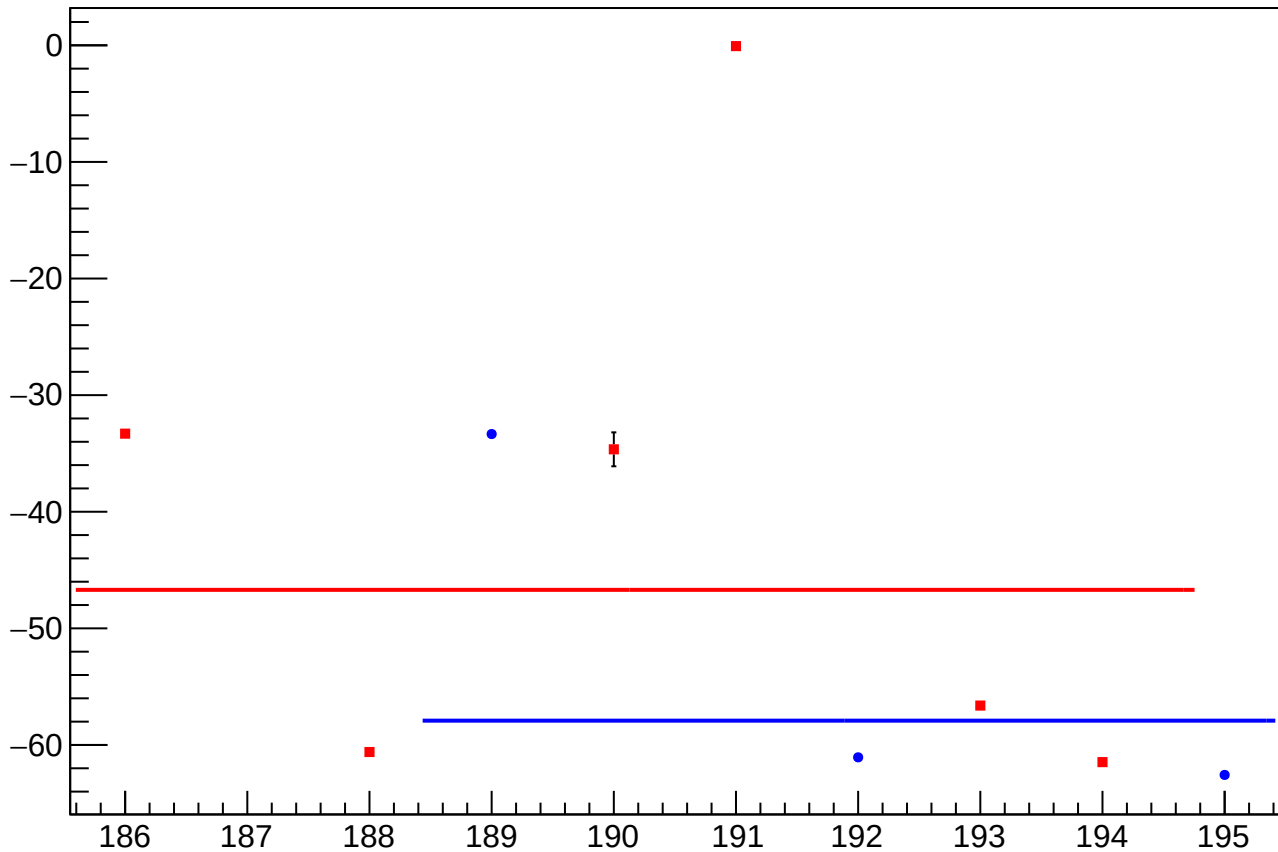
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 250.489 $\pm$ 0.385  $\chi^2$ /NDF: 52270.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_11X12X\_slope vs Slug



Right In: -57.915 $\pm$ 0.127  $\chi^2$ /NDF: 5517.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -46.699 $\pm$ 0.053  $\chi^2$ /NDF: 192954.6/5

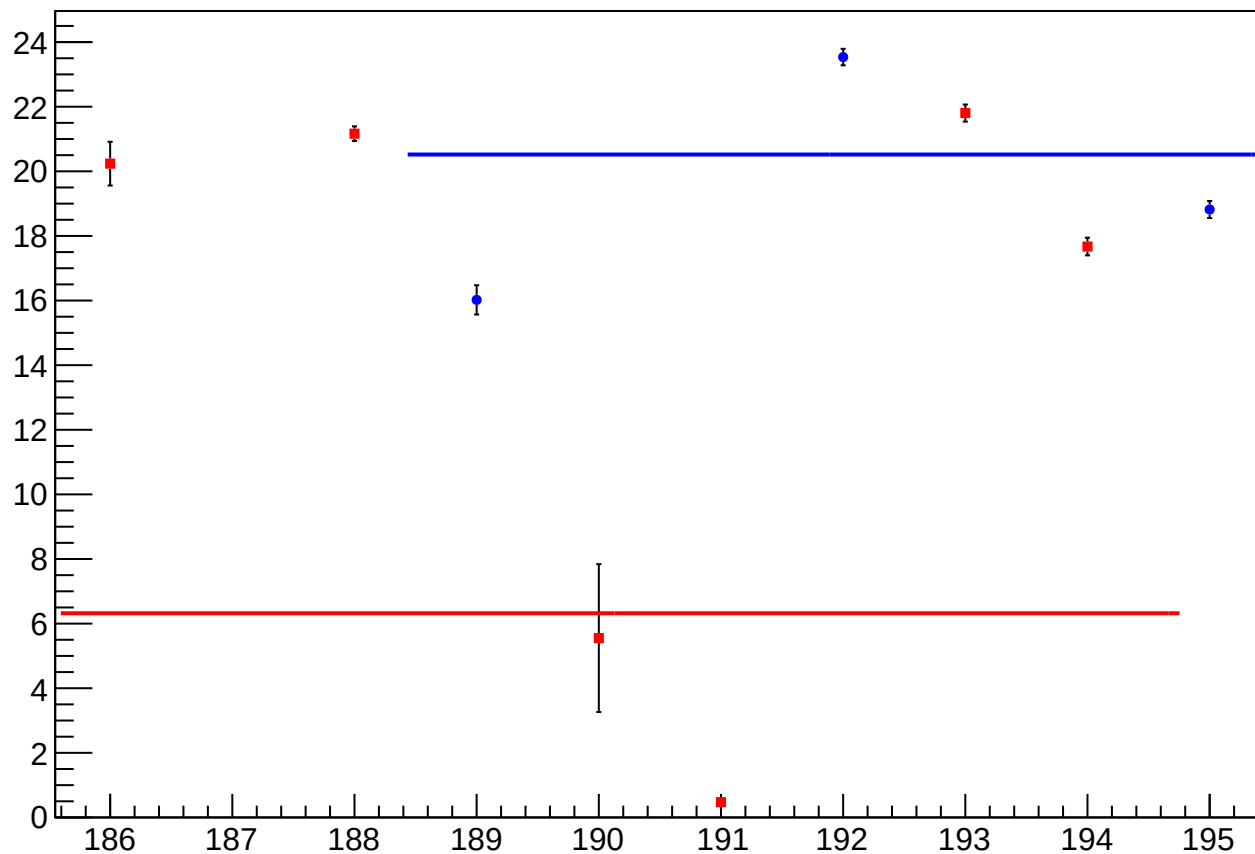
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -48.381 $\pm$ 0.049  $\chi^2$ /NDF: 205105.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_4aY\_slope vs Slug



Right In: 20.520 $\pm$ 0.170  $\chi^2$ /NDF: 280.5/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.321 $\pm$ 0.077  $\chi^2$ /NDF: 13792.2/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

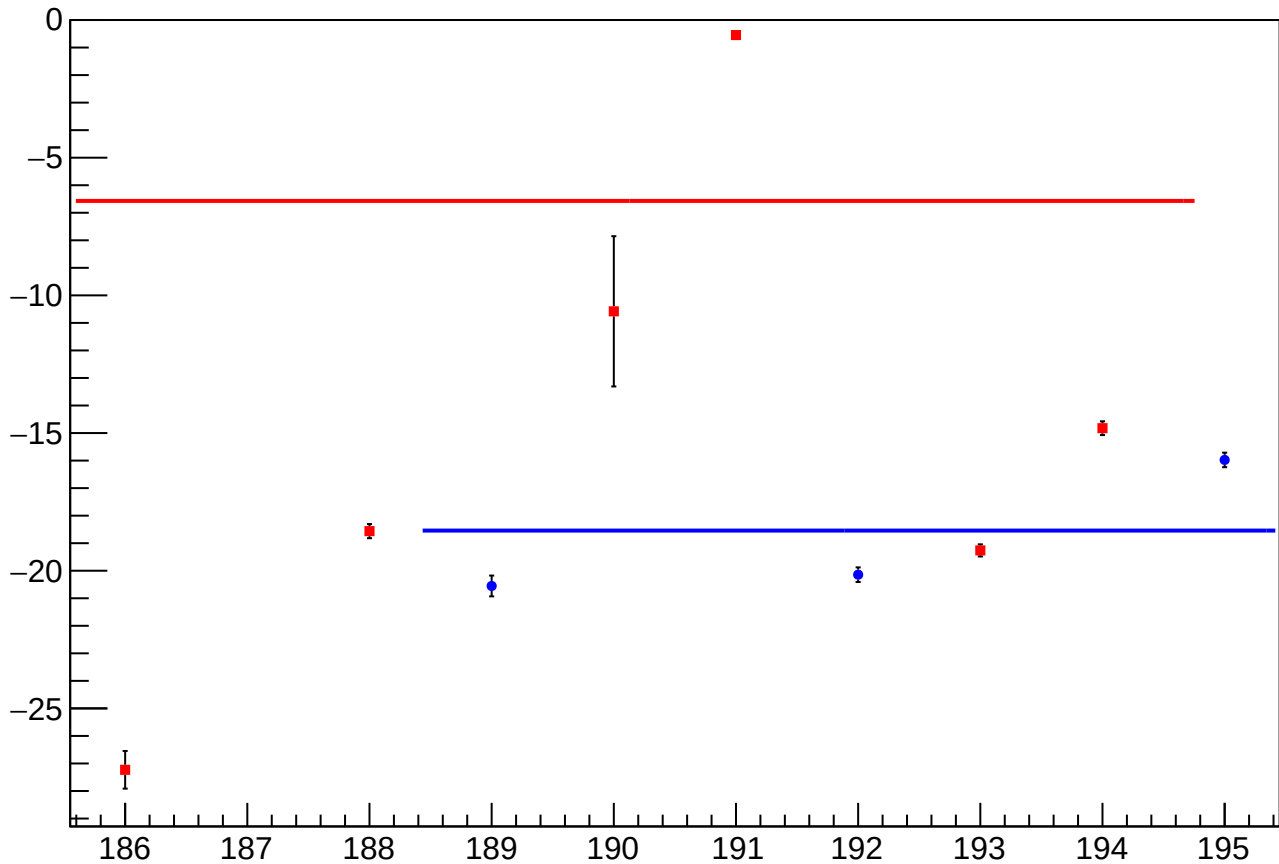
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 8.769 $\pm$ 0.070  $\chi^2$ /NDF: 19862.9/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



dit\_atr1\_4eY\_slope vs Slug



Right In:  $-18.542 \pm 0.168$   $\chi^2/\text{NDF}$ : 159.0/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-6.570 \pm 0.080$   $\chi^2/\text{NDF}$ : 11248.6/5

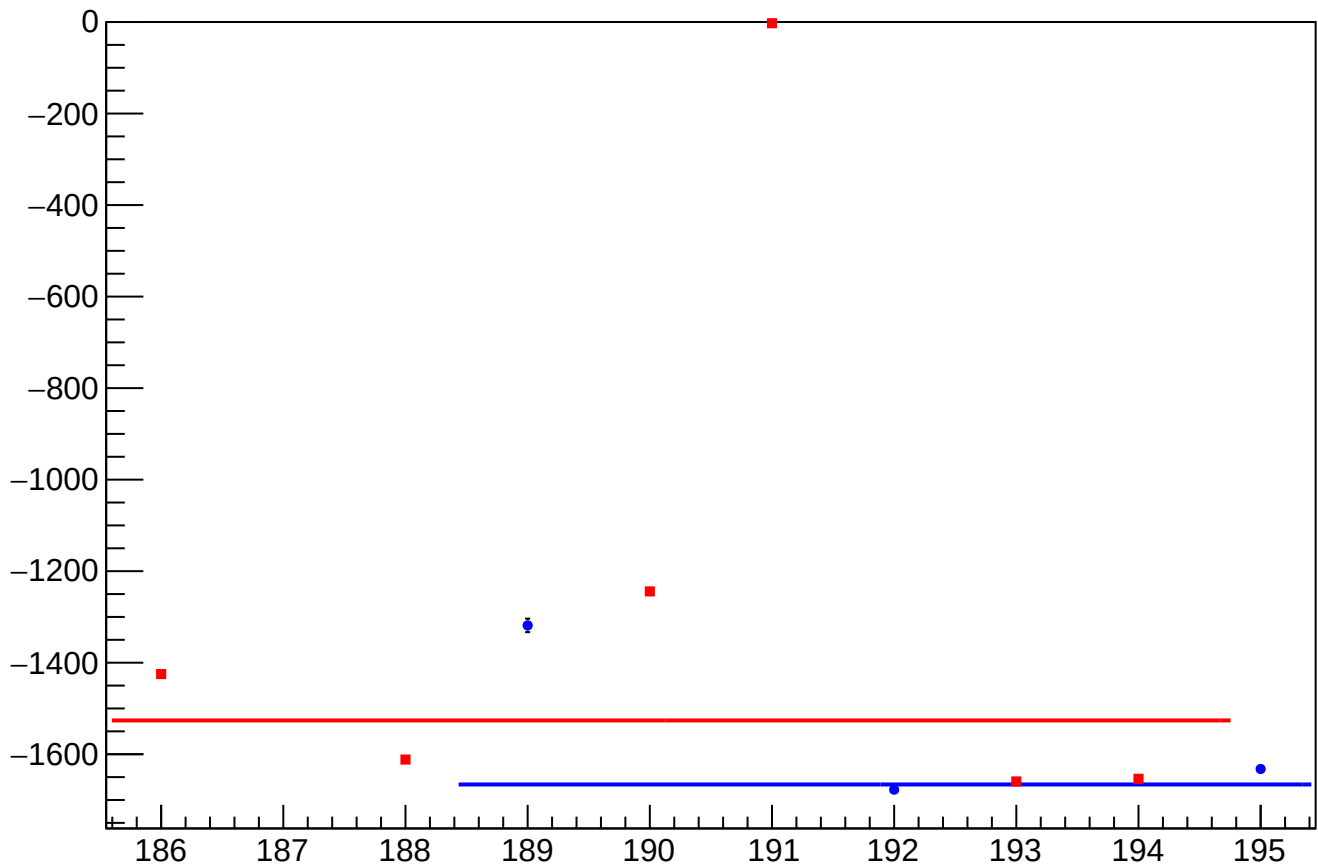
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-8.776 \pm 0.072$   $\chi^2/\text{NDF}$ : 15558.5/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_4aX\_slope vs Slug



Right In:  $-1666.099 \pm 0.747$   $\chi^2/\text{NDF}$ : 1209.4/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1526.161 \pm 0.360$   $\chi^2/\text{NDF}$ : 1405732.5/5

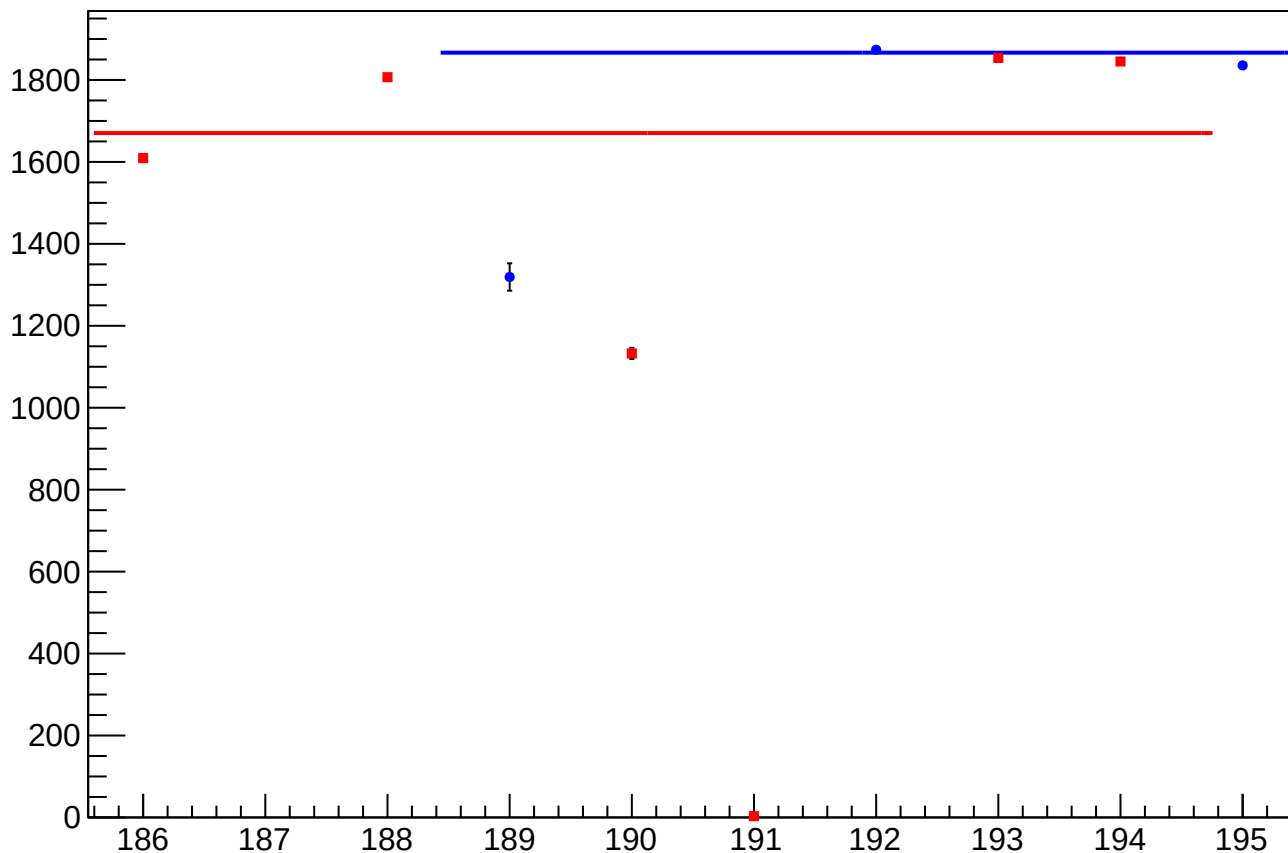
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1552.540 \pm 0.324$   $\chi^2/\text{NDF}$ : 1435449.3/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_4eX\_slope vs Slug



Right In:  $1866.665 \pm 0.748$   $\chi^2/\text{NDF}$ : 656.9/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $1670.467 \pm 0.330$   $\chi^2/\text{NDF}$ : 2565327.3/5

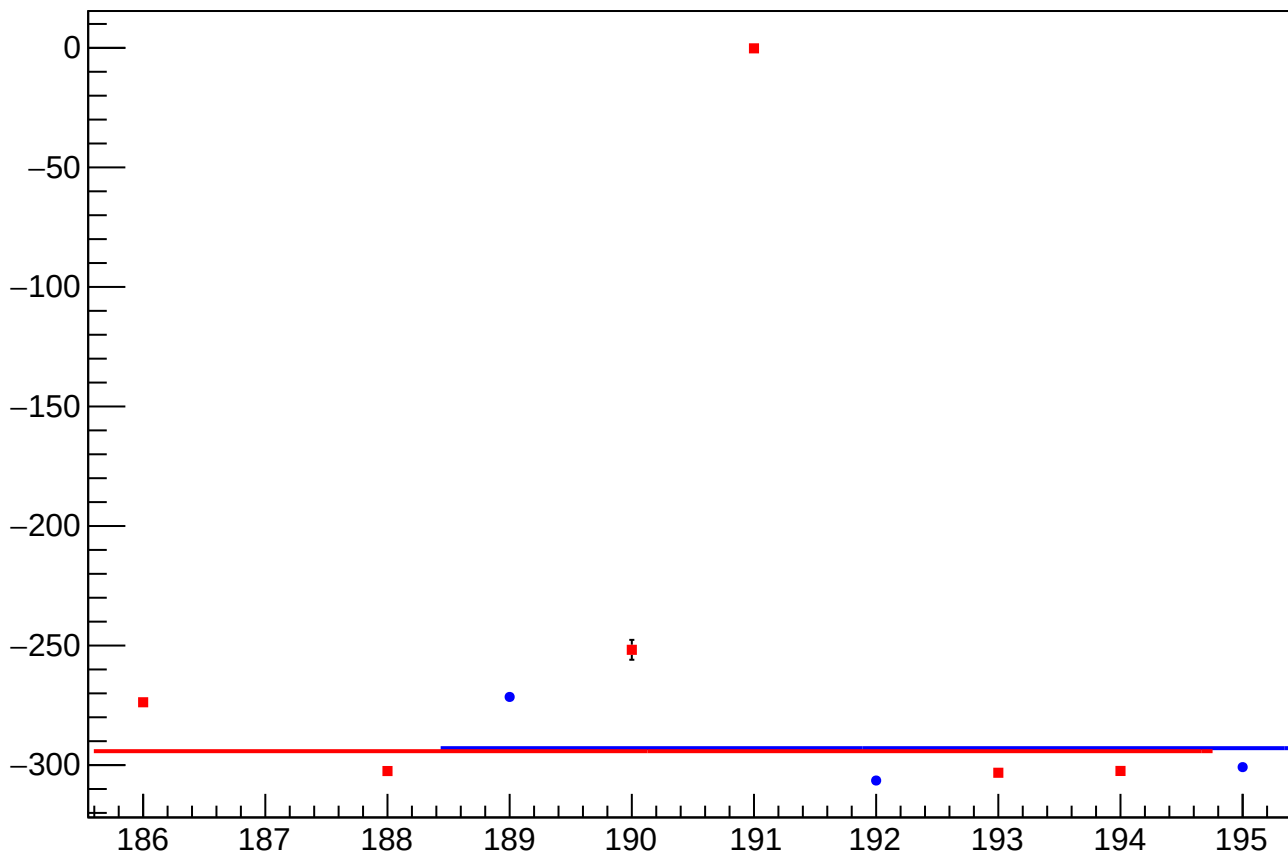
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $1702.480 \pm 0.302$   $\chi^2/\text{NDF}$ : 2623566.5/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_11X12X\_slope vs Slug



Right In: -292.919+/-0.086  $\chi^2/\text{NDF}$ : 37816.6/2

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -294.180+/-0.045  $\chi^2/\text{NDF}$ : 1126244.9/5

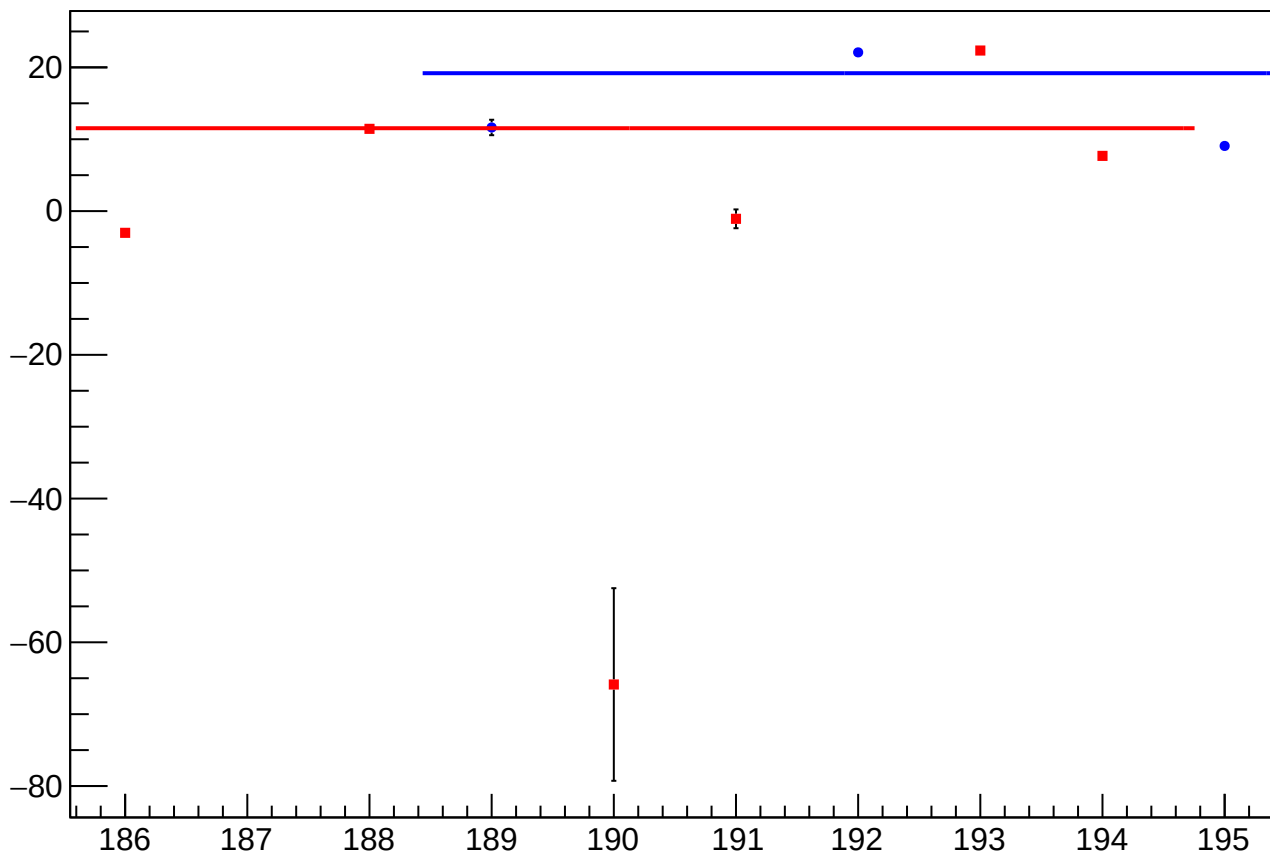
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -293.910+/-0.040  $\chi^2/\text{NDF}$ : 1164231.4/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_4aY\_slope vs Slug



Right In: 19.189 $\pm$ 0.220  $\chi^2$ /NDF: 581.8/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11.534 $\pm$ 0.194  $\chi^2$ /NDF: 1590.2/5

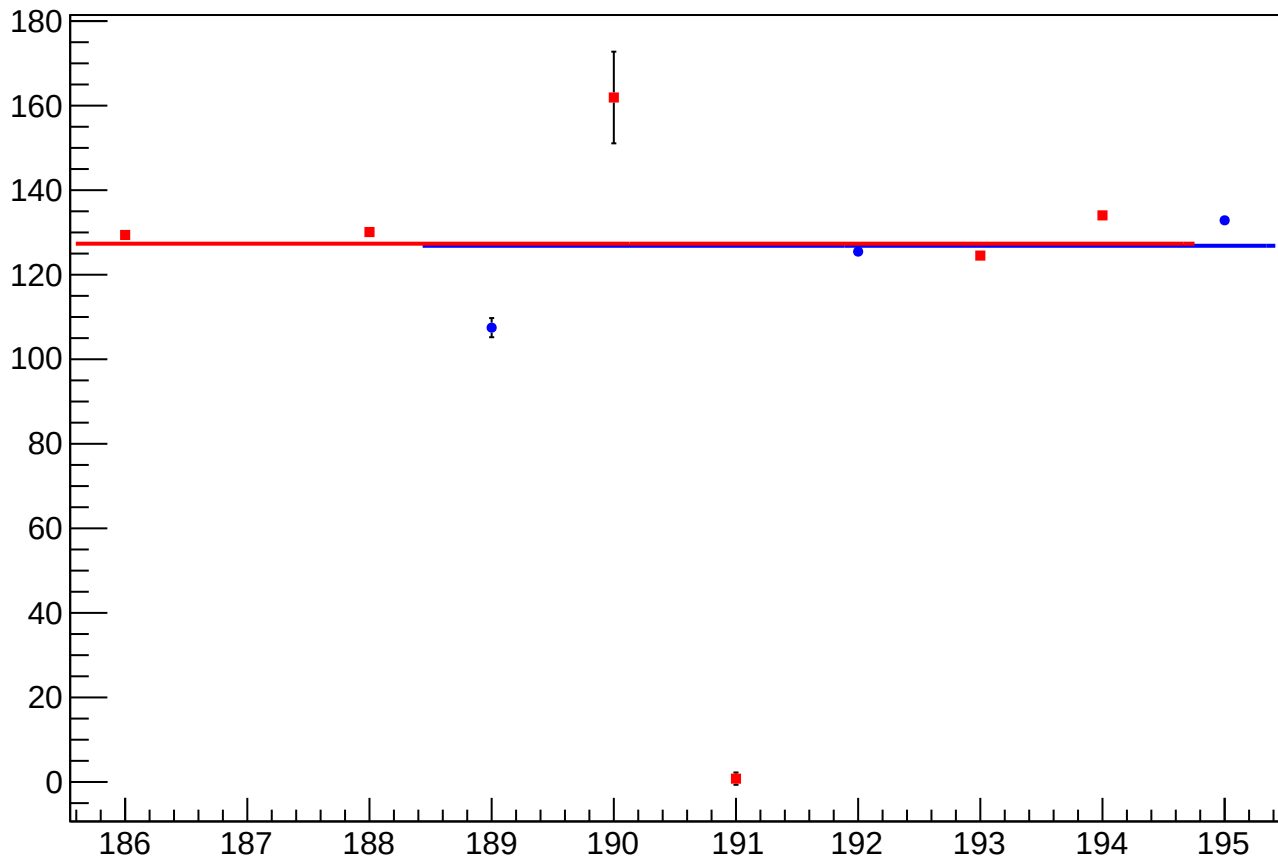
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 14.872 $\pm$ 0.145  $\chi^2$ /NDF: 2854.0/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_4eY\_slope vs Slug



Right In:  $126.847 \pm 0.213$   $\chi^2/\text{NDF}$ : 271.6/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $127.342 \pm 0.175$   $\chi^2/\text{NDF}$ : 7973.9/5

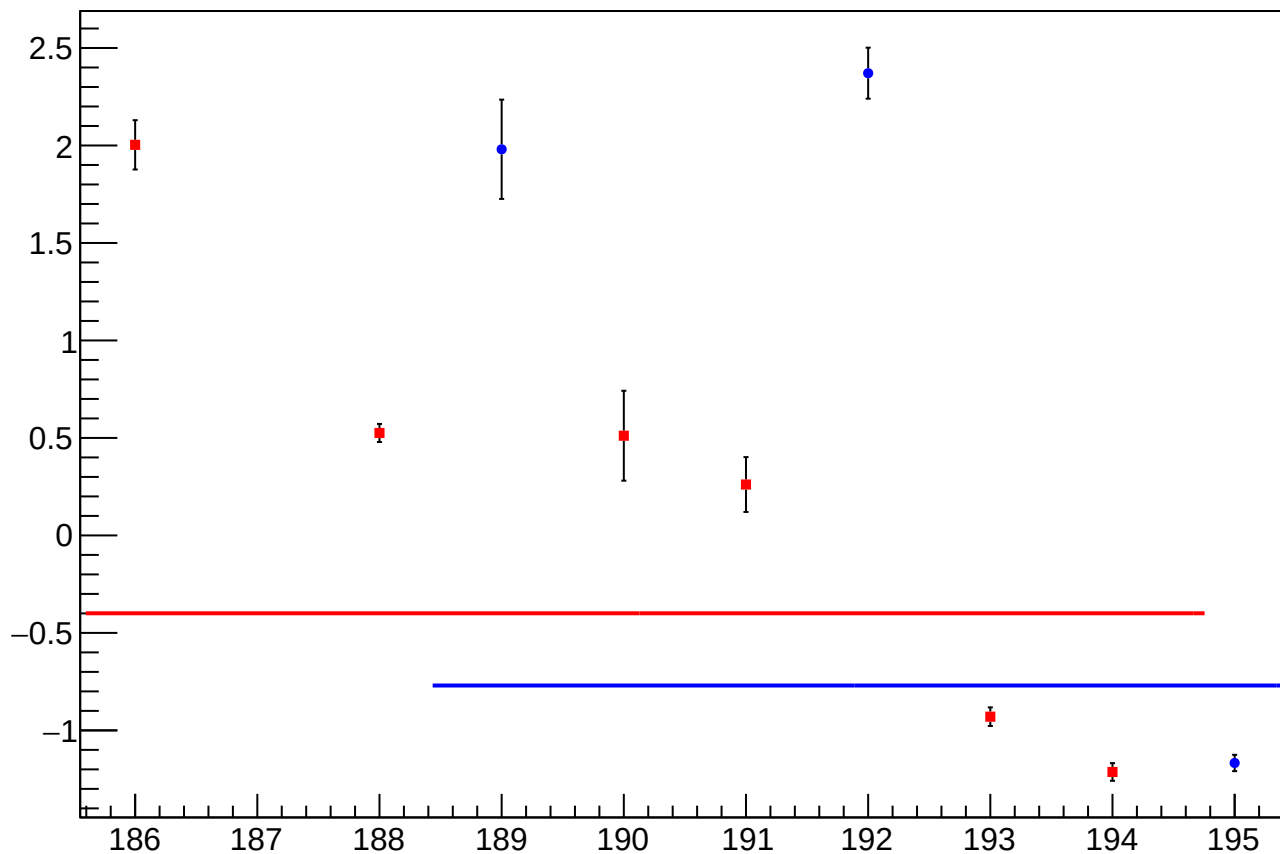
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $127.143 \pm 0.135$   $\chi^2/\text{NDF}$ : 8248.7/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_4aX\_slope vs Slug



Right In:  $-0.770 \pm 0.039$   $\chi^2/\text{NDF}$ : 782.5/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.399 \pm 0.026$   $\chi^2/\text{NDF}$ : 1242.7/5

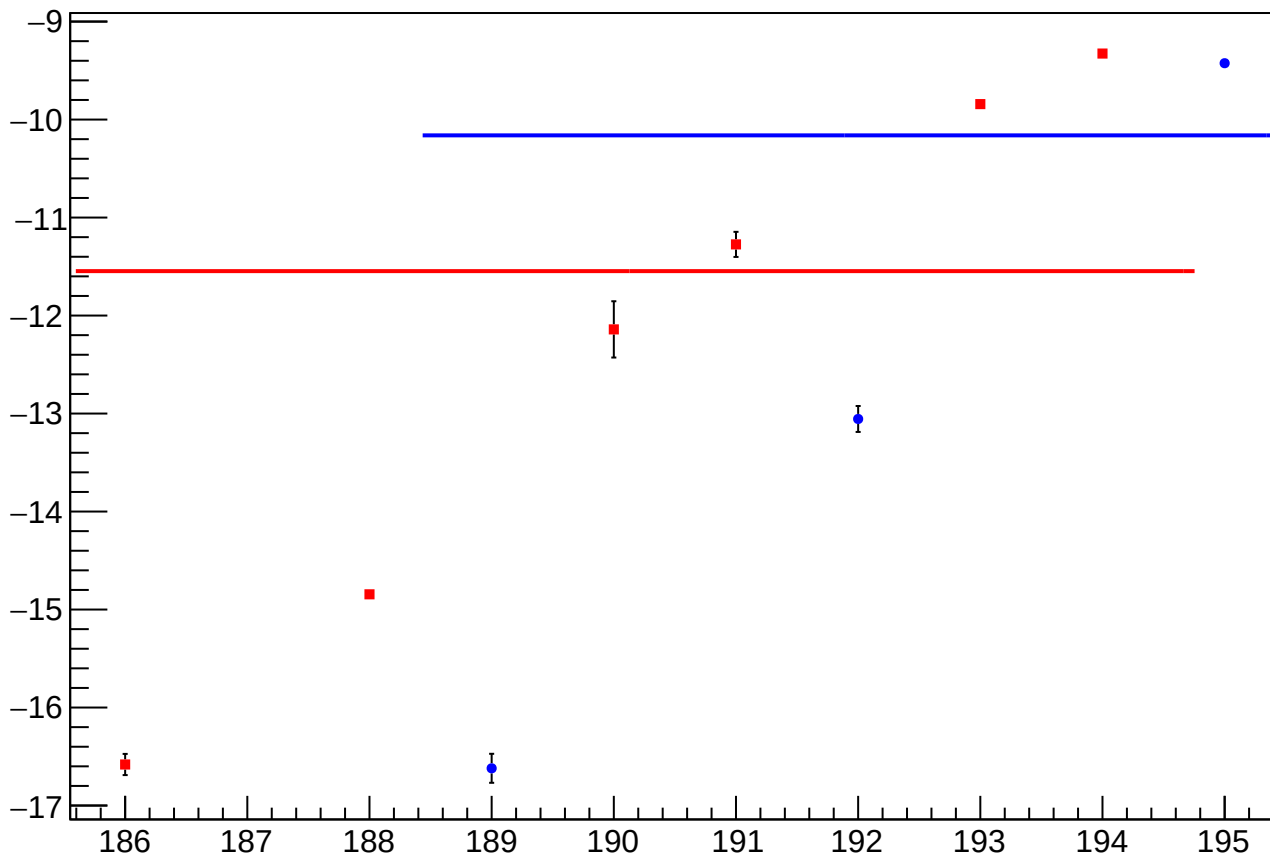
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.509 \pm 0.021$   $\chi^2/\text{NDF}$ : 2087.3/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_4eX\_slope vs Slug



Right In:  $-10.161 \pm 0.037$   $\chi^2/\text{NDF}$ : 2721.7/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-11.547 \pm 0.023$   $\chi^2/\text{NDF}$ : 12684.7/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

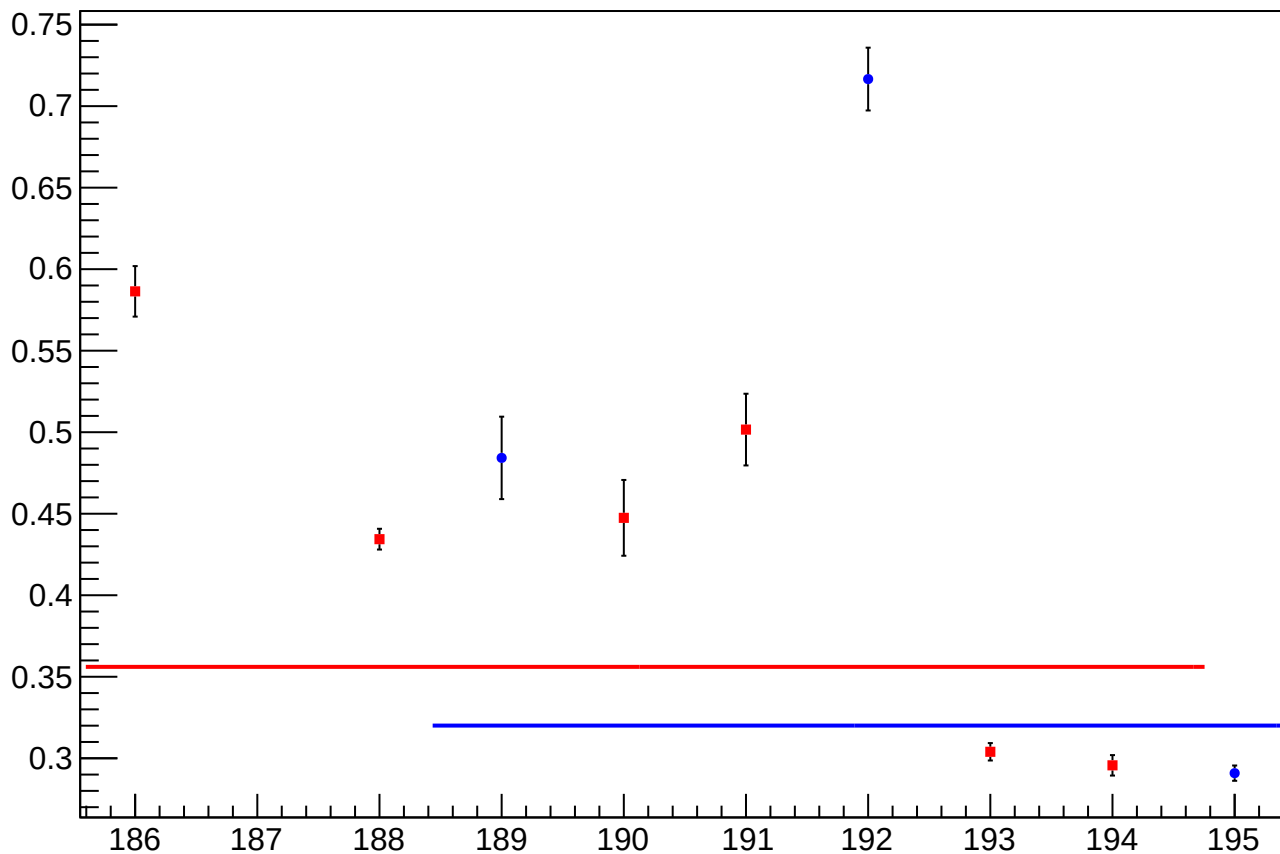
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-11.152 \pm 0.020$   $\chi^2/\text{NDF}$ : 16404.7/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam1\_11X12X\_slope vs Slug



Right In: 0.320 $\pm$ 0.004  $\chi^2$ /NDF: 504.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.356 $\pm$ 0.003  $\chi^2$ /NDF: 619.0/5

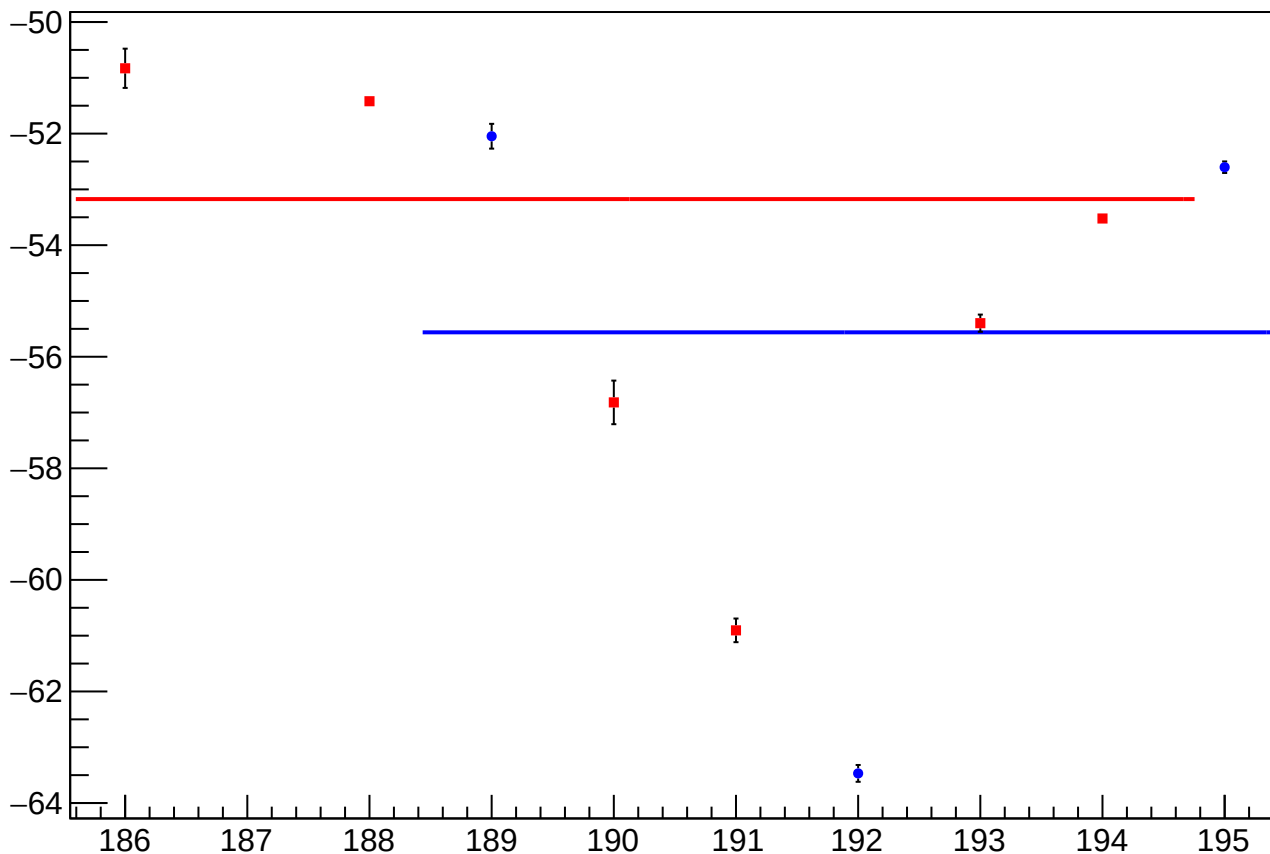
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.344 $\pm$ 0.003  $\chi^2$ /NDF: 1165.8/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_4aY\_slope vs Slug



Right In:  $-55.562 \pm 0.080$   $\chi^2/\text{NDF}$ : 3819.7/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-53.174 \pm 0.040$   $\chi^2/\text{NDF}$ : 2389.3/5

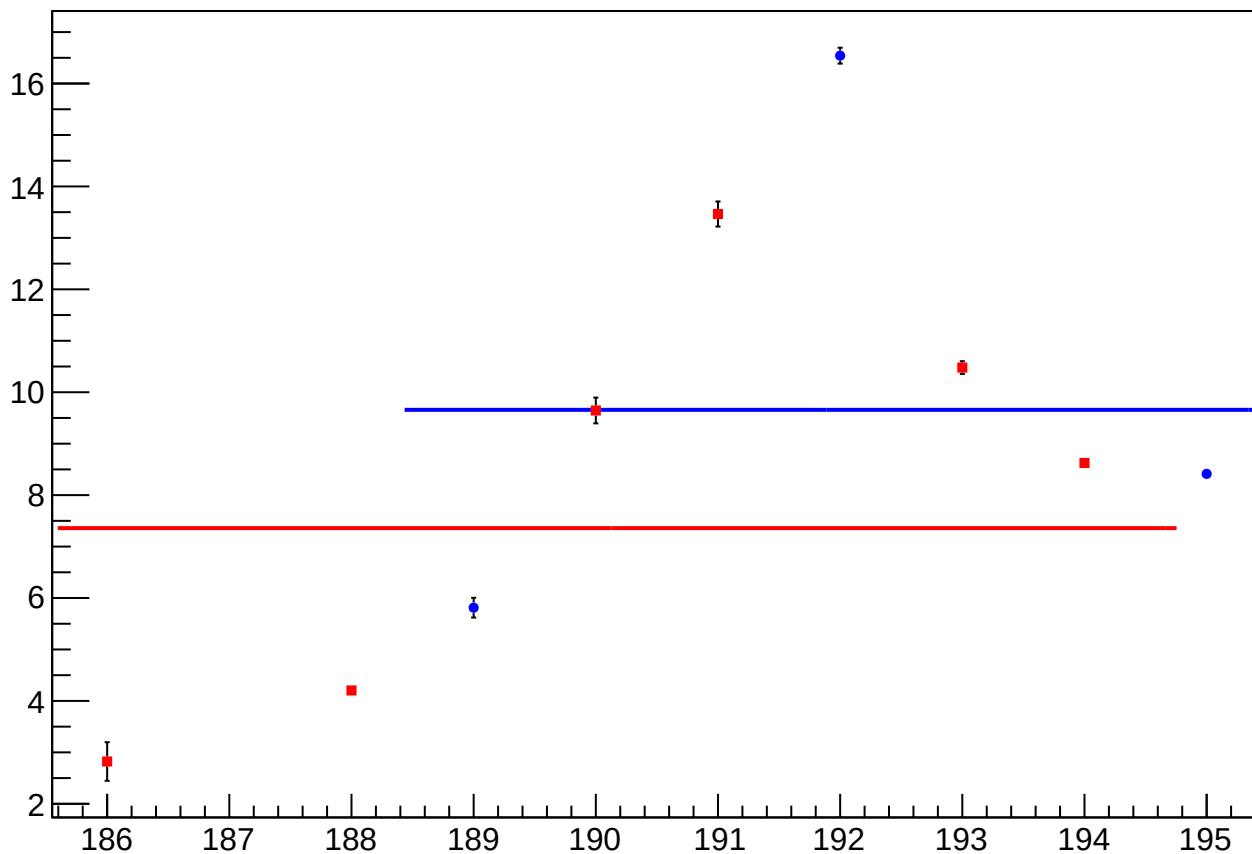
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-53.649 \pm 0.036$   $\chi^2/\text{NDF}$ : 6929.6/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_4eY\_slope vs Slug



Right In: 9.658 $\pm$ 0.068  $\chi^2$ /NDF: 2600.1/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.359 $\pm$ 0.039  $\chi^2$ /NDF: 4256.6/5

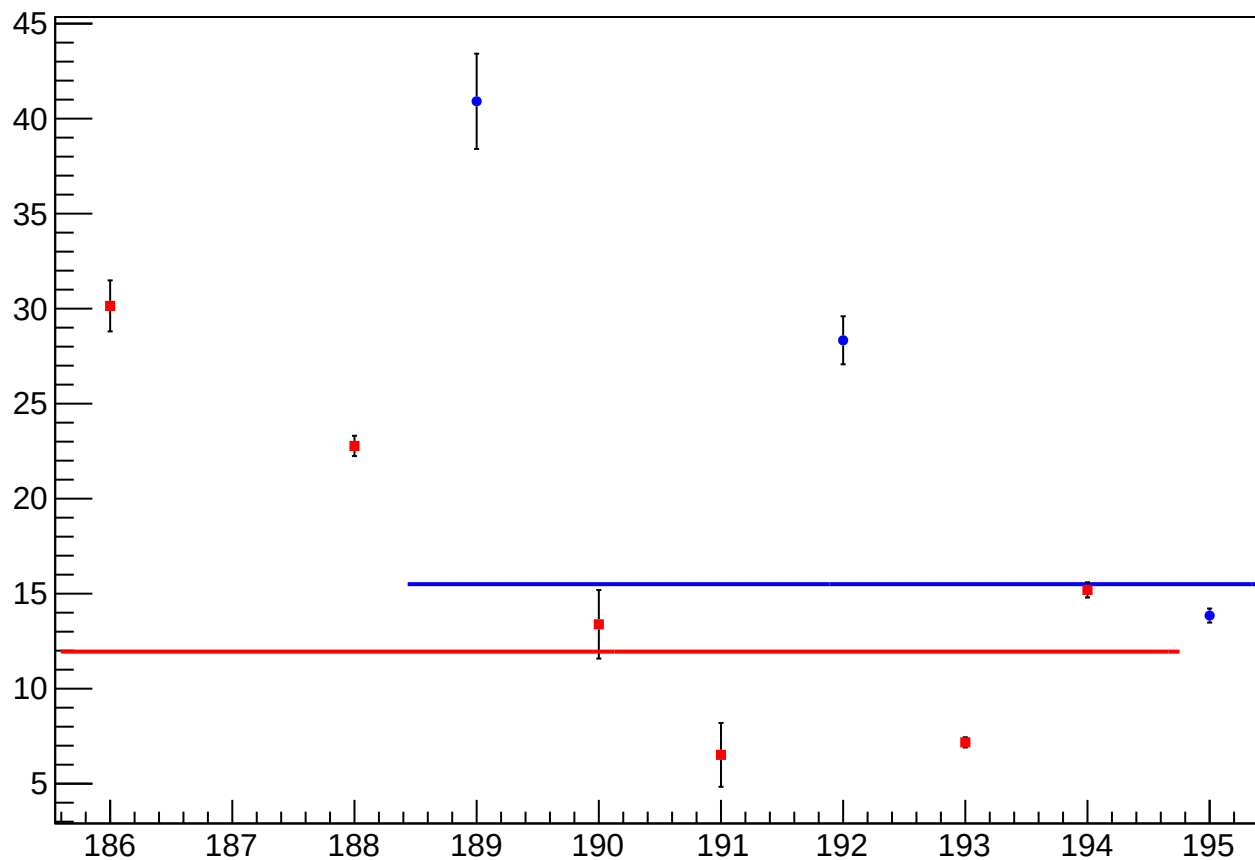
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.931 $\pm$ 0.034  $\chi^2$ /NDF: 7712.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4aX\_slope vs Slug



Right In: 15.500 $\pm$ 0.351  $\chi^2$ /NDF: 225.9/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 11.951 $\pm$ 0.200  $\chi^2$ /NDF: 988.8/5

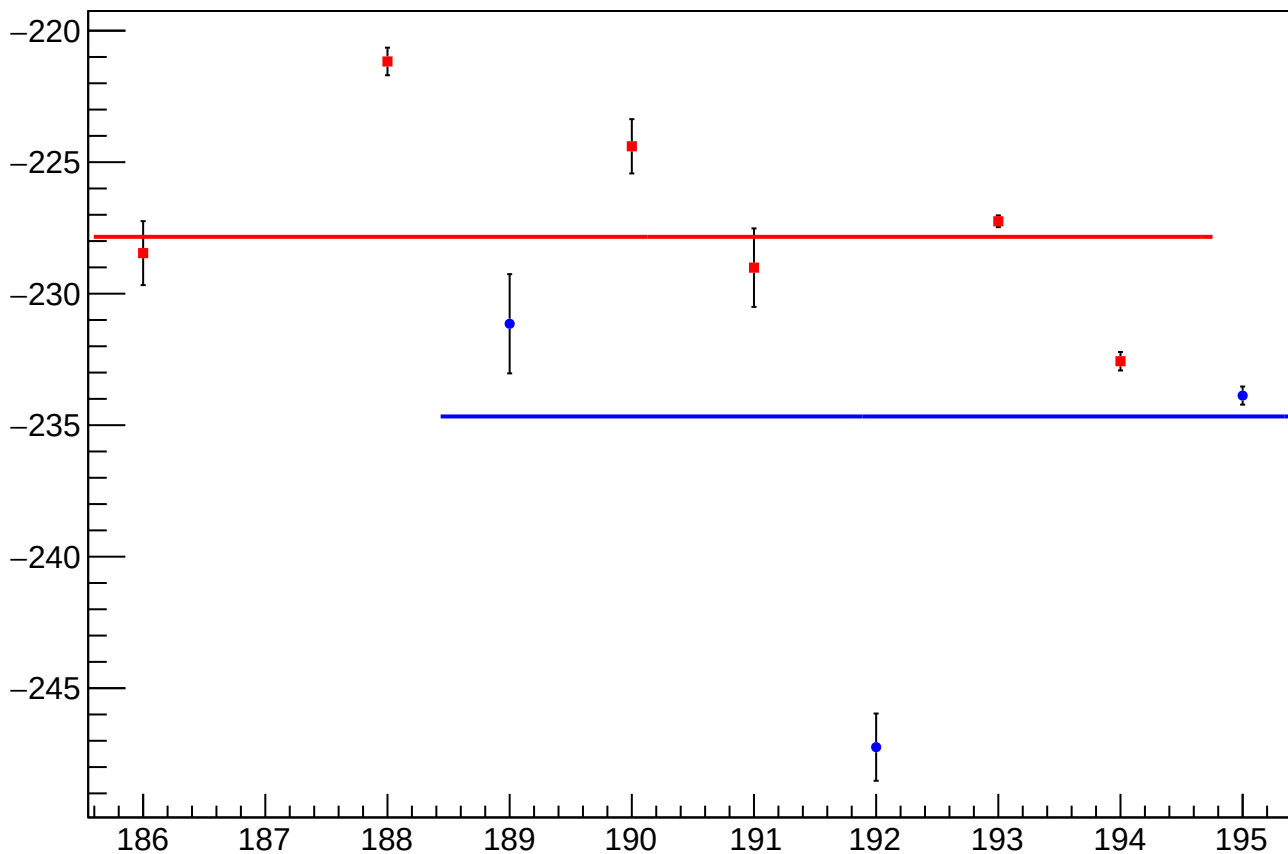
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 12.821 $\pm$ 0.174  $\chi^2$ /NDF: 1291.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_4eX\_slope vs Slug



Right In:  $-234.669 \pm 0.327$   $\chi^2/\text{NDF}$ : 105.5/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-227.838 \pm 0.172$   $\chi^2/\text{NDF}$ : 362.4/5

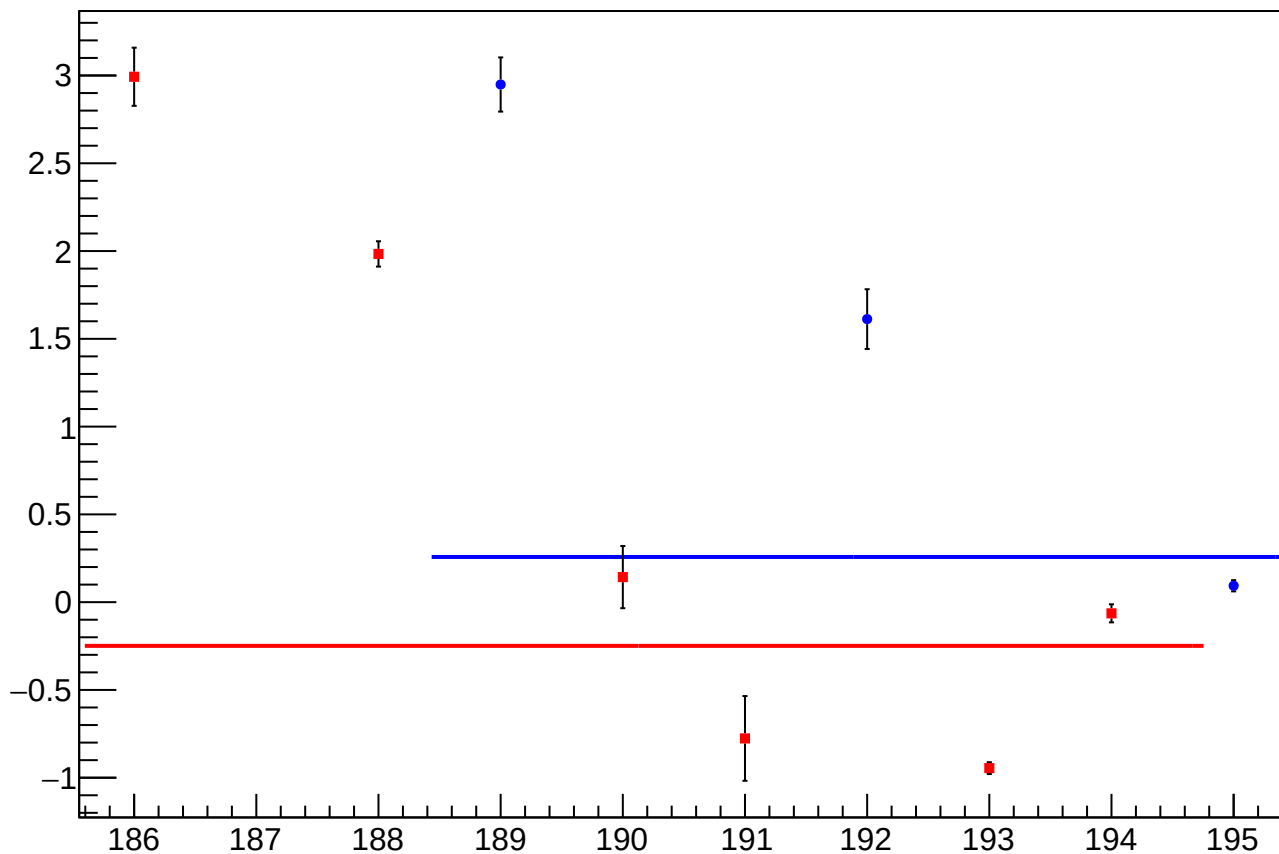
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-229.313 \pm 0.152$   $\chi^2/\text{NDF}$ : 809.4/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_11X12X\_slope vs Slug



Right In:  $0.257 \pm 0.031$   $\chi^2/\text{NDF}: 394.0/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.249 \pm 0.025$   $\chi^2/\text{NDF}: 1795.0/5$

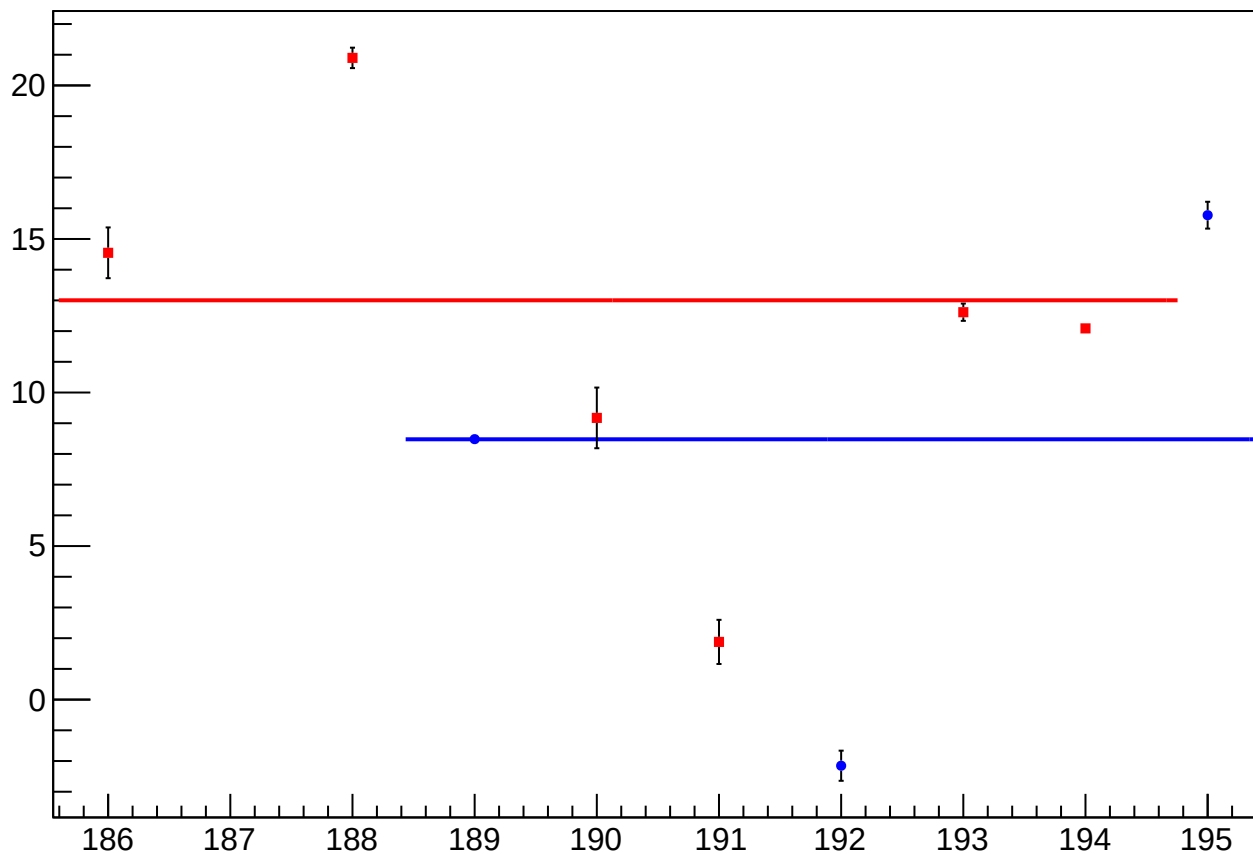
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.044 \pm 0.020$   $\chi^2/\text{NDF}: 2349.5/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam2\_4aY\_slope vs Slug



Right In:  $8.477 \pm 0.028$   $\chi^2/\text{NDF}: 747.9/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $13.003 \pm 0.117$   $\chi^2/\text{NDF}: 862.3/5$

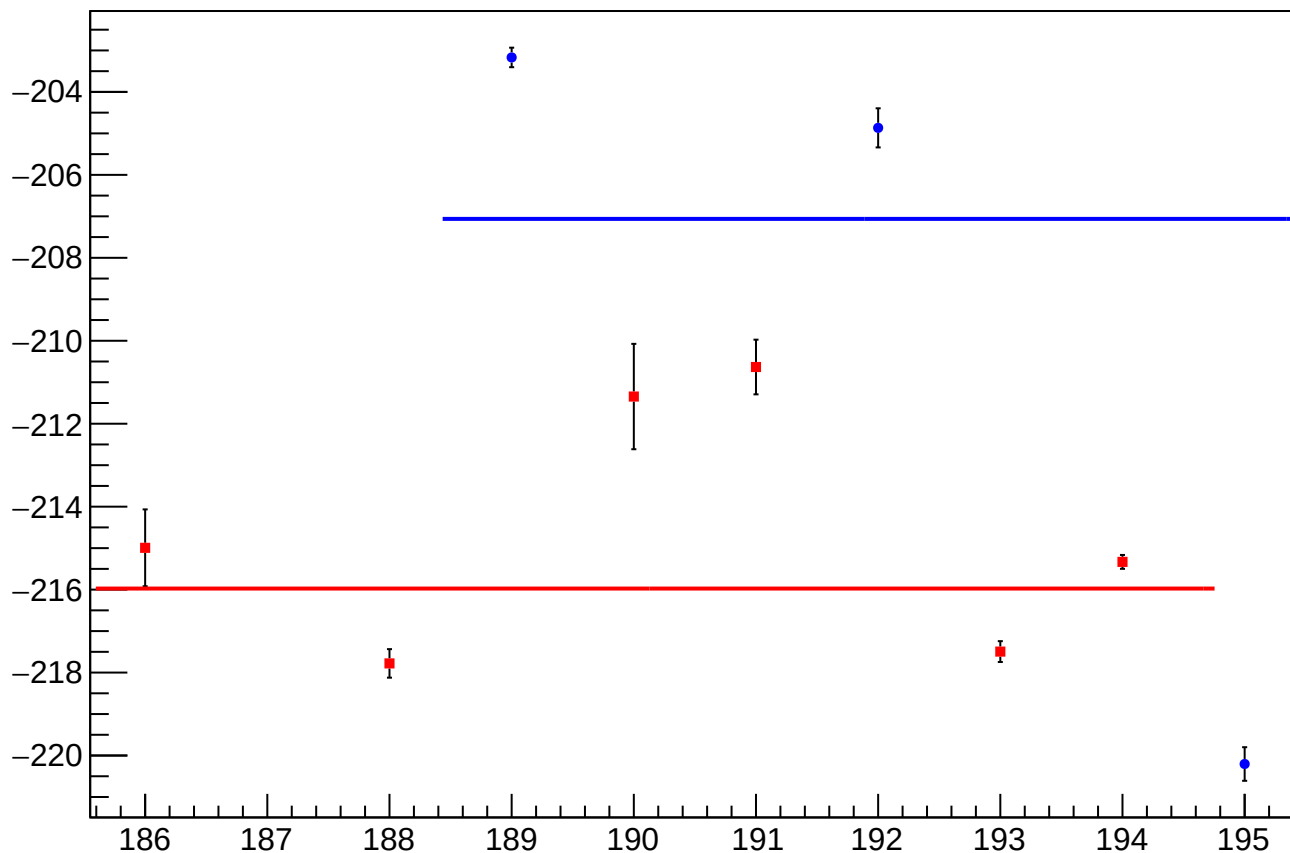
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $8.724 \pm 0.027$   $\chi^2/\text{NDF}: 3030.3/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam2\_4eY\_slope vs Slug



Right In:  $-207.062 \pm 0.187$   $\chi^2/\text{NDF}$ : 1347.9/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-215.974 \pm 0.125$   $\chi^2/\text{NDF}$ : 158.9/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

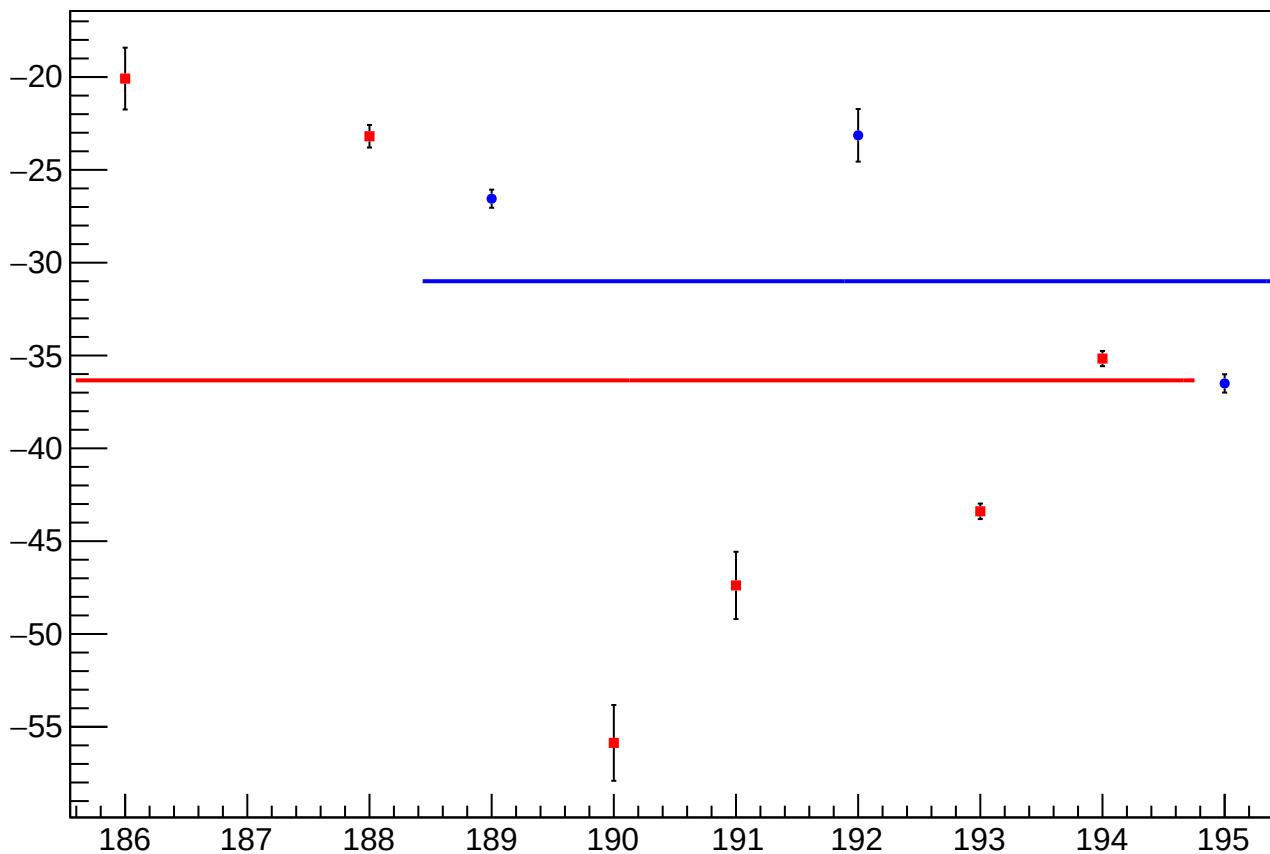
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-213.222 \pm 0.104$   $\chi^2/\text{NDF}$ : 3079.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam3\_4aX\_slope vs Slug



Right In:  $-30.998 \pm 0.337$   $\chi^2/\text{NDF}$ : 238.1/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-36.339 \pm 0.256$   $\chi^2/\text{NDF}$ : 983.4/5

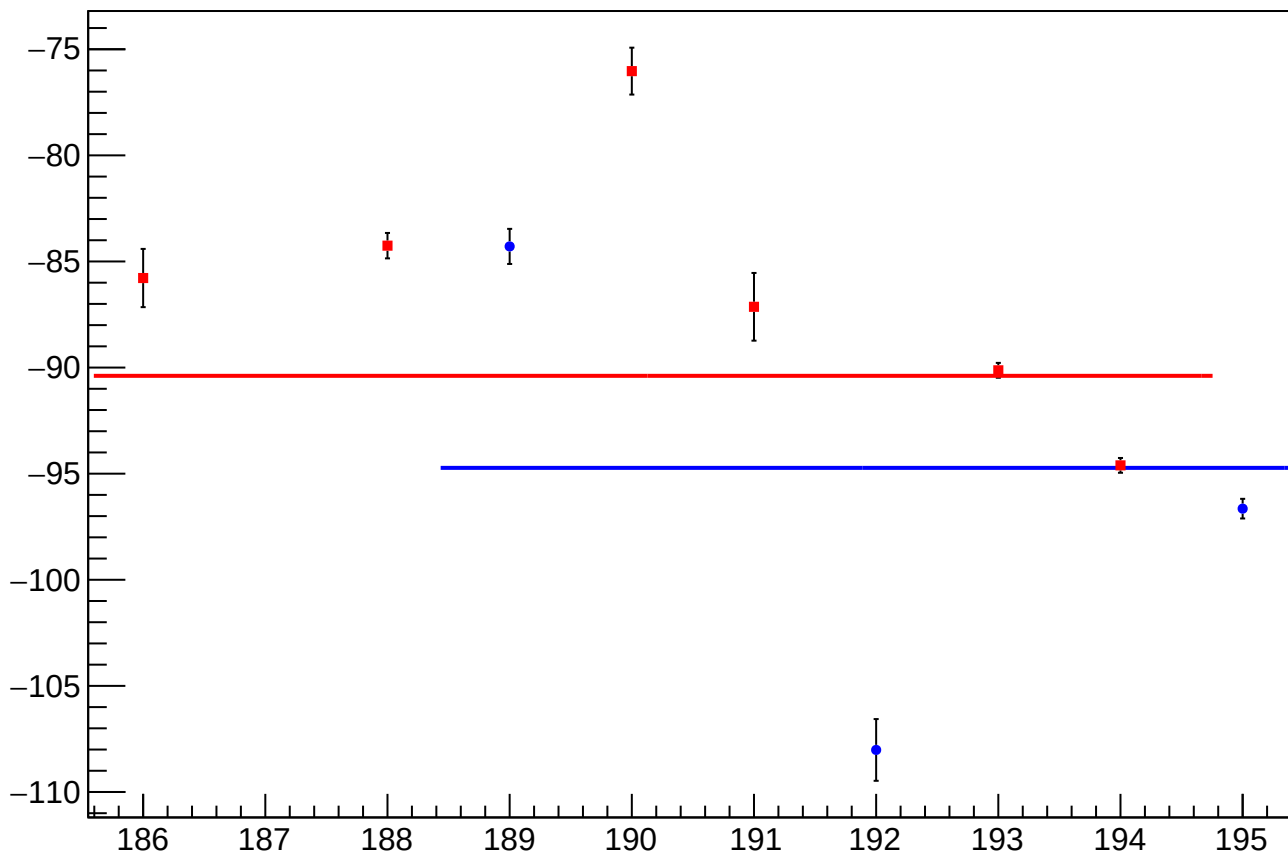
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-34.385 \pm 0.204$   $\chi^2/\text{NDF}$ : 1380.7/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4eX\_slope vs Slug



Right In:  $-94.726 \pm 0.389$   $\chi^2/\text{NDF}$ : 259.9/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-90.389 \pm 0.219$   $\chi^2/\text{NDF}$ : 436.0/5

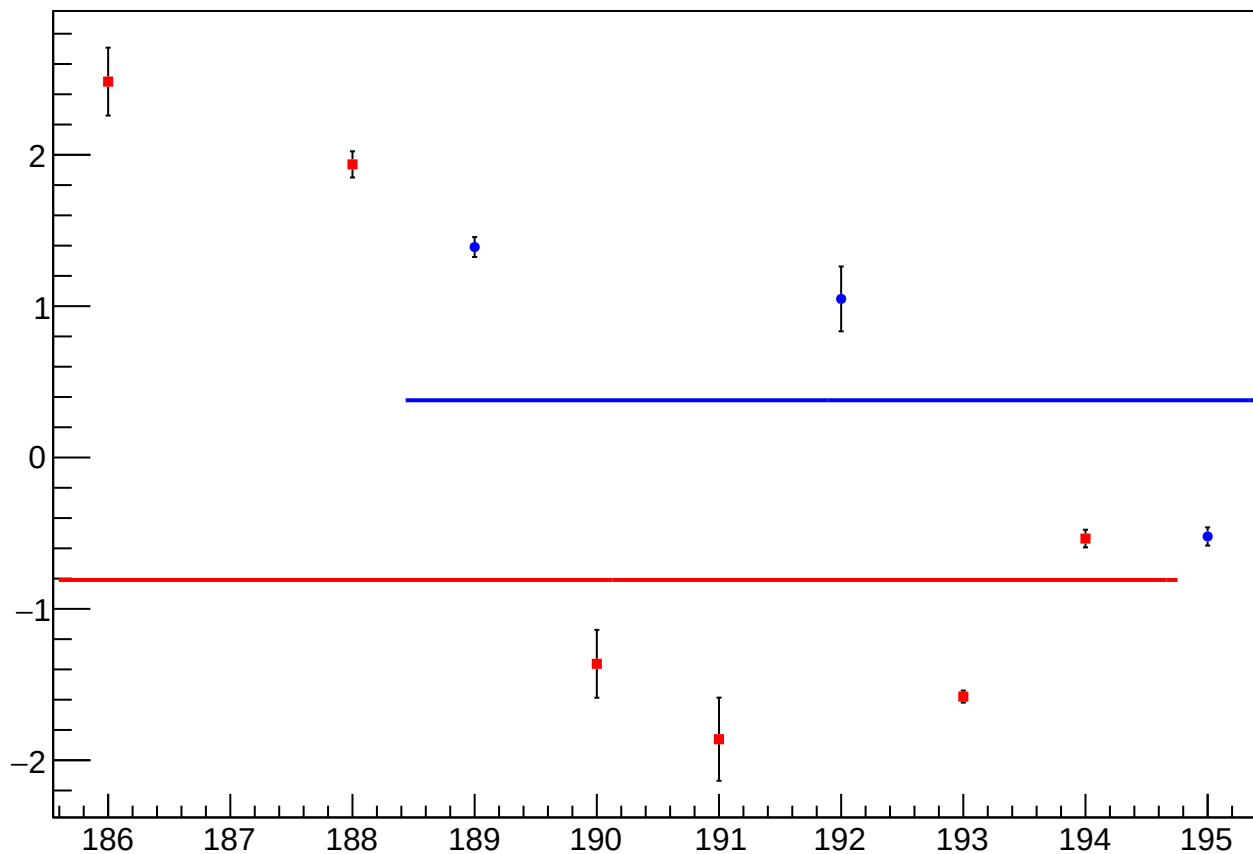
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-91.430 \pm 0.191$   $\chi^2/\text{NDF}$ : 790.4/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_11X12X\_slope vs Slug



Right In:  $0.378 \pm 0.043$   $\chi^2/\text{NDF}: 470.5/2$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.809 \pm 0.030$   $\chi^2/\text{NDF}: 1641.3/5$

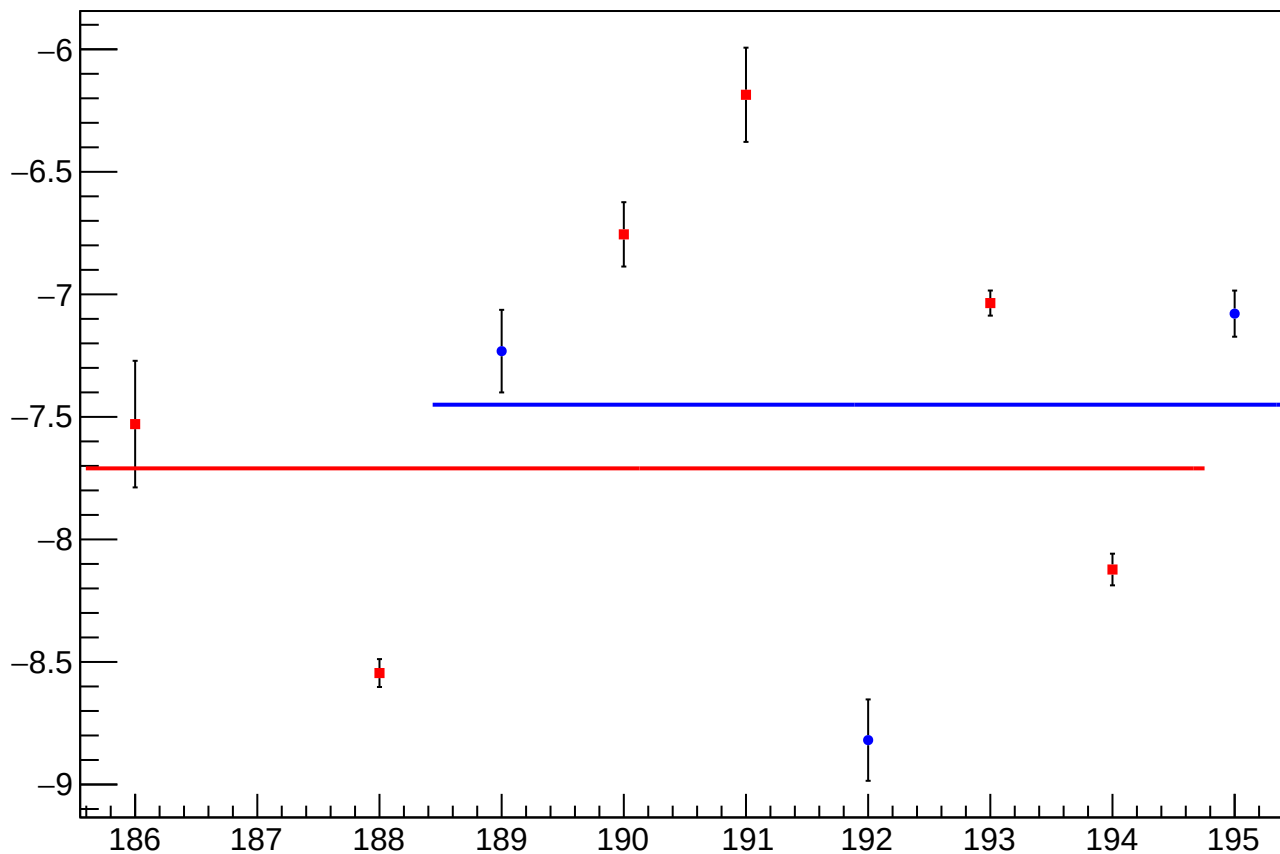
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.426 \pm 0.025$   $\chi^2/\text{NDF}: 2617.4/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# dit\_sam3\_4aY\_slope vs Slug



Right In:  $-7.450 \pm 0.074$   $\chi^2/\text{NDF}$ : 85.2/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-7.710 \pm 0.031$   $\chi^2/\text{NDF}$ : 545.8/5

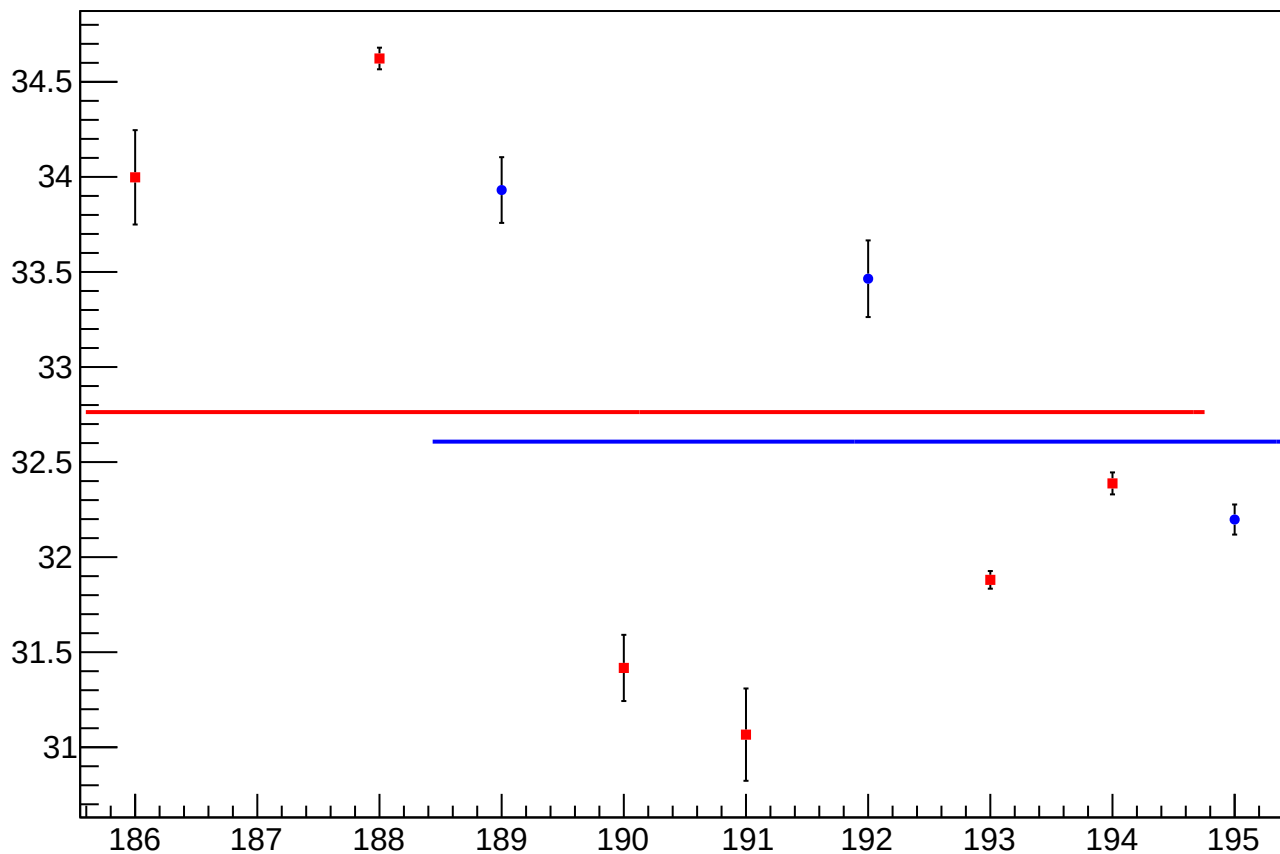
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-7.671 \pm 0.029$   $\chi^2/\text{NDF}$ : 641.5/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_4eY\_slope vs Slug



Right In: 32.608 $\pm$ 0.068  $\chi^2$ /NDF: 103.4/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 32.763 $\pm$ 0.030  $\chi^2$ /NDF: 1605.6/5

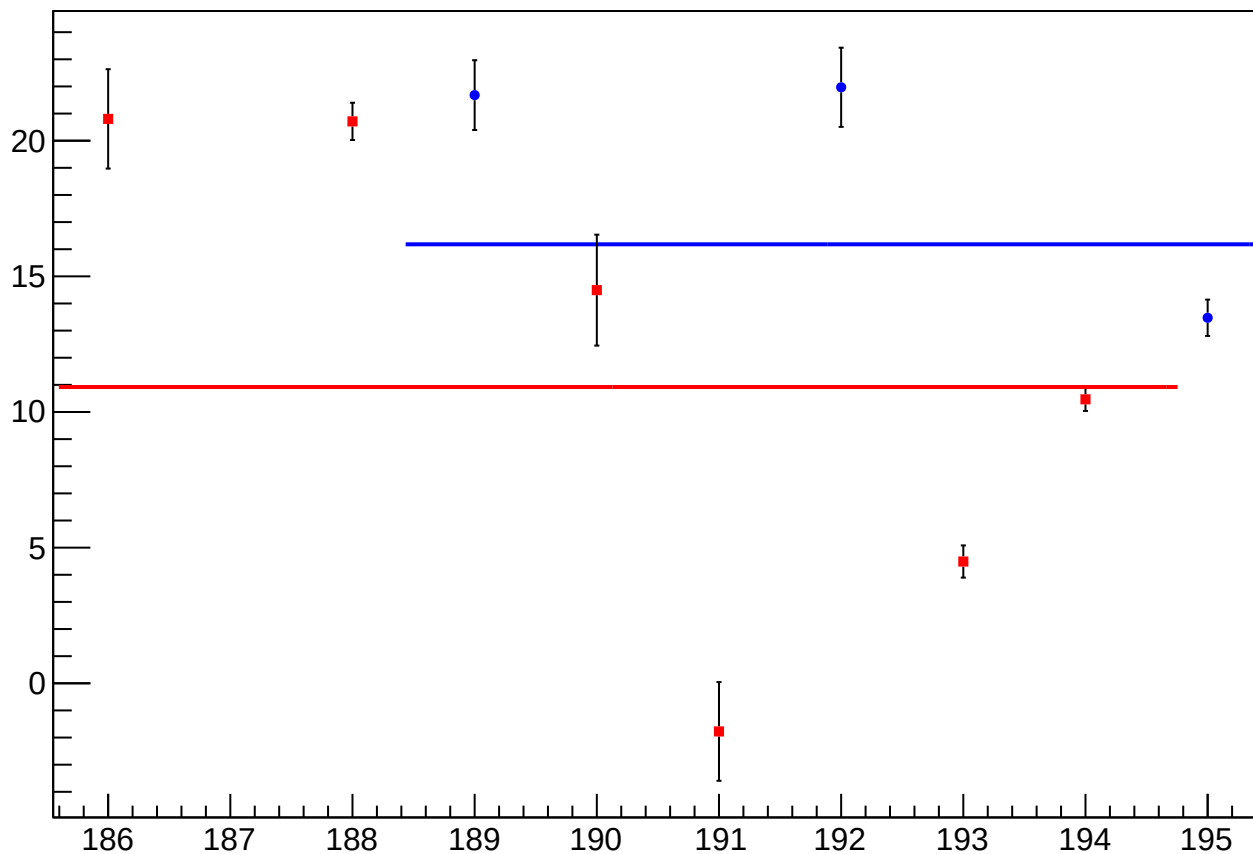
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 32.738 $\pm$ 0.027  $\chi^2$ /NDF: 1713.5/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_4aX\_slope vs Slug



Right In: 16.181 $\pm$ 0.550  $\chi^2$ /NDF: 50.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 10.921 $\pm$ 0.298  $\chi^2$ /NDF: 402.7/5

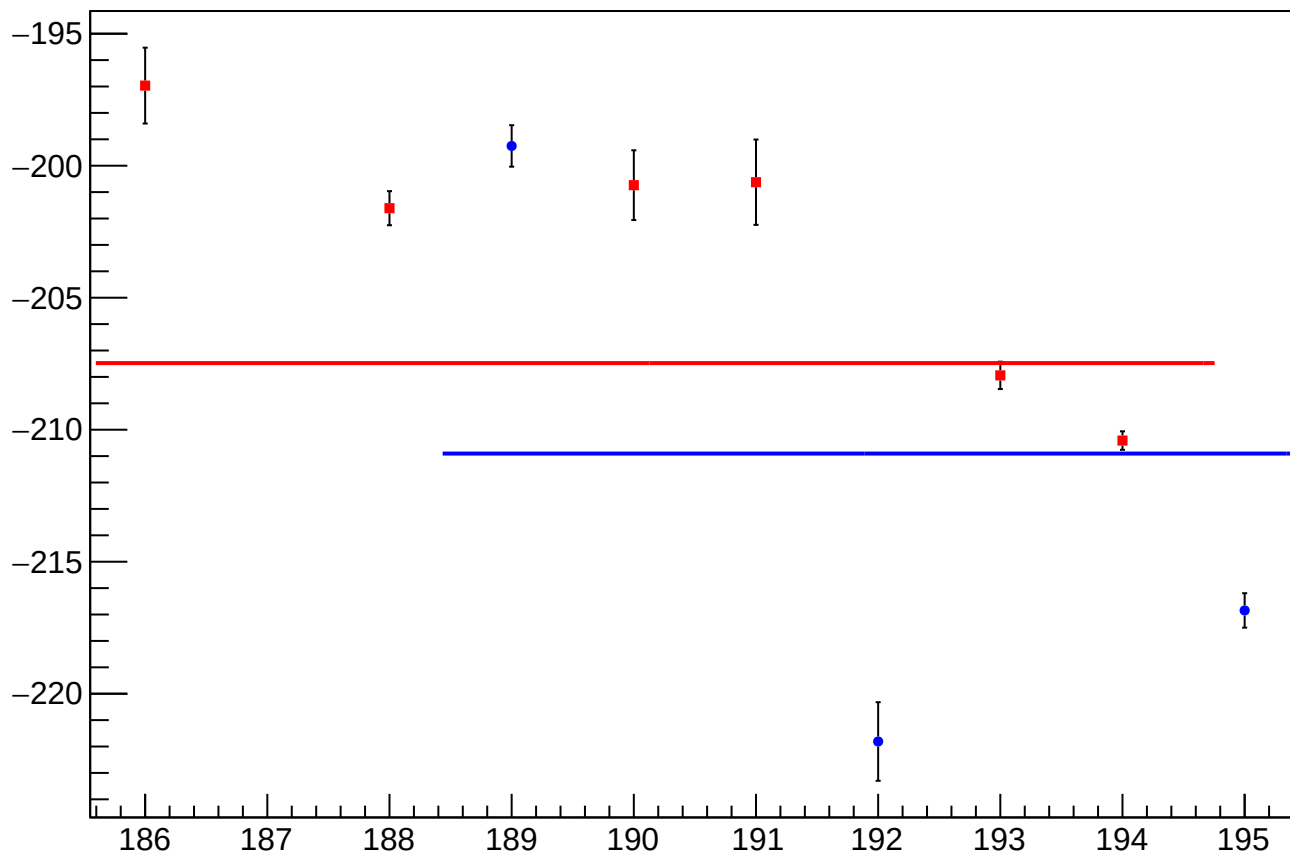
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 12.115 $\pm$ 0.262  $\chi^2$ /NDF: 523.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_4eX\_slope vs Slug



Right In:  $-210.904 \pm 0.476$   $\chi^2/\text{NDF}$ : 356.5/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-207.476 \pm 0.252$   $\chi^2/\text{NDF}$ : 251.1/5

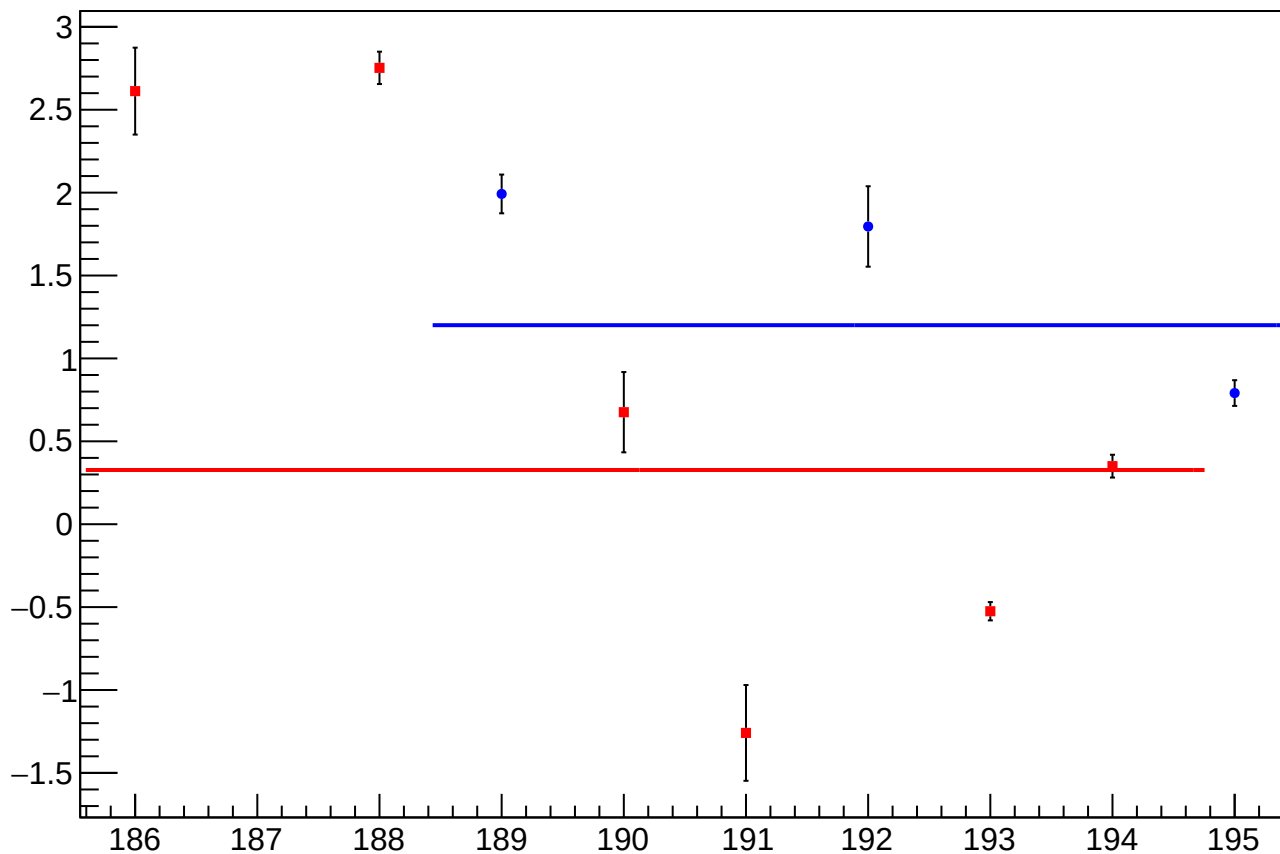
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-208.228 \pm 0.223$   $\chi^2/\text{NDF}$ : 648.1/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_11X12X\_slope vs Slug



Right In: 1.201 $\pm$ 0.062  $\chi^2$ /NDF: 79.8/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.327 $\pm$ 0.038  $\chi^2$ /NDF: 964.2/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

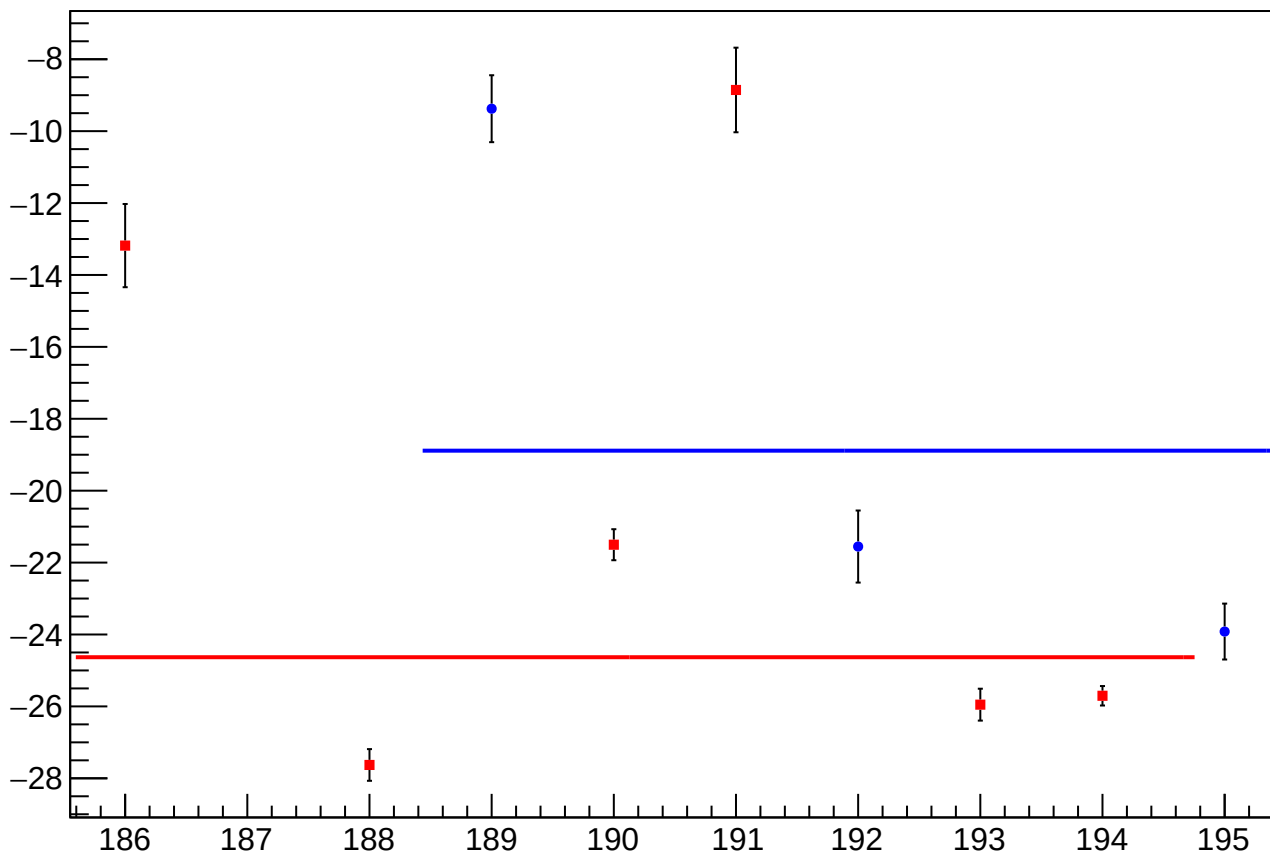
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.564 $\pm$ 0.033  $\chi^2$ /NDF: 1186.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam4\_4aY\_slope vs Slug



Right In:  $-18.887 \pm 0.513$   $\chi^2/\text{NDF}$ : 153.4/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-24.632 \pm 0.180$   $\chi^2/\text{NDF}$ : 401.1/5

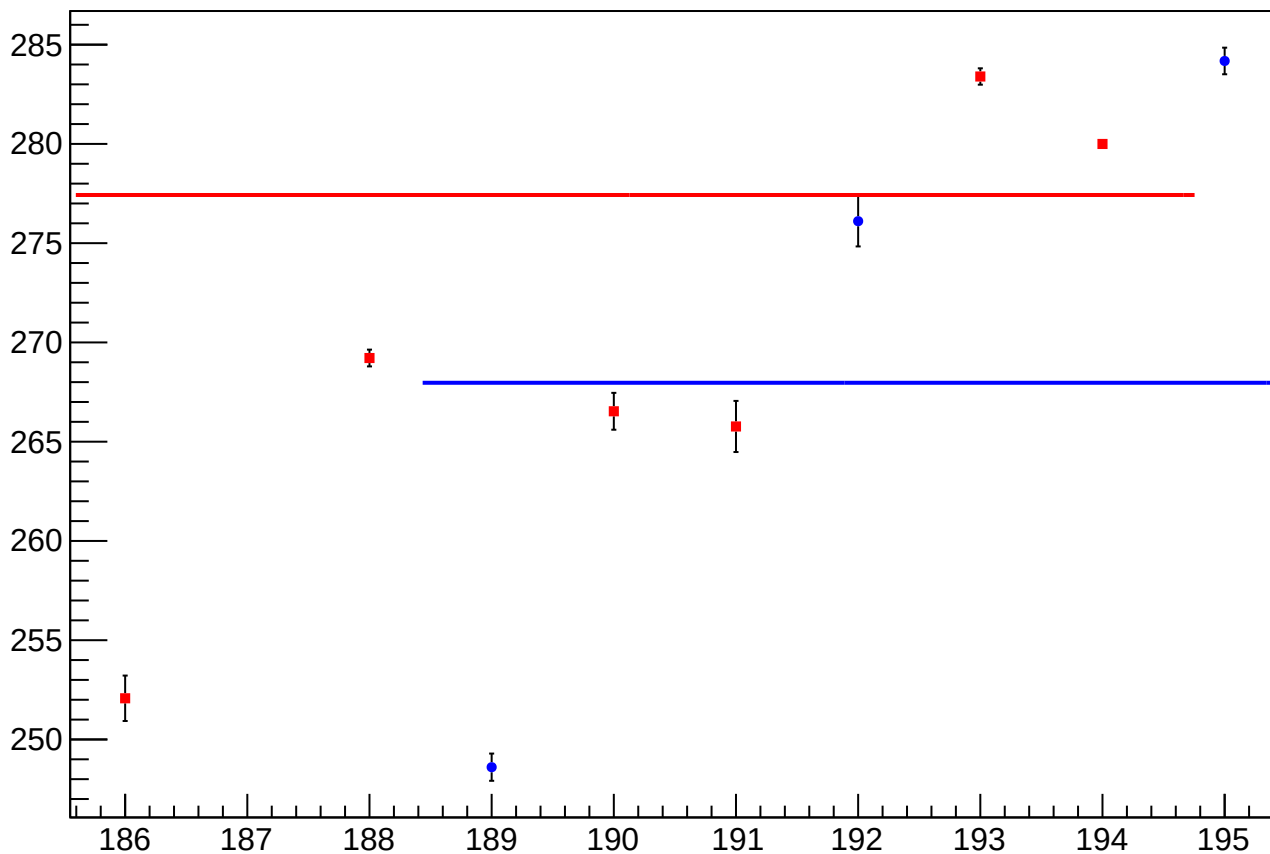
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-23.999 \pm 0.170$   $\chi^2/\text{NDF}$ : 666.2/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_4eY\_slope vs Slug



Right In: 267.968 $\pm$ 0.448  $\chi^2$ /NDF: 1423.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 277.427 $\pm$ 0.173  $\chi^2$ /NDF: 1426.2/5

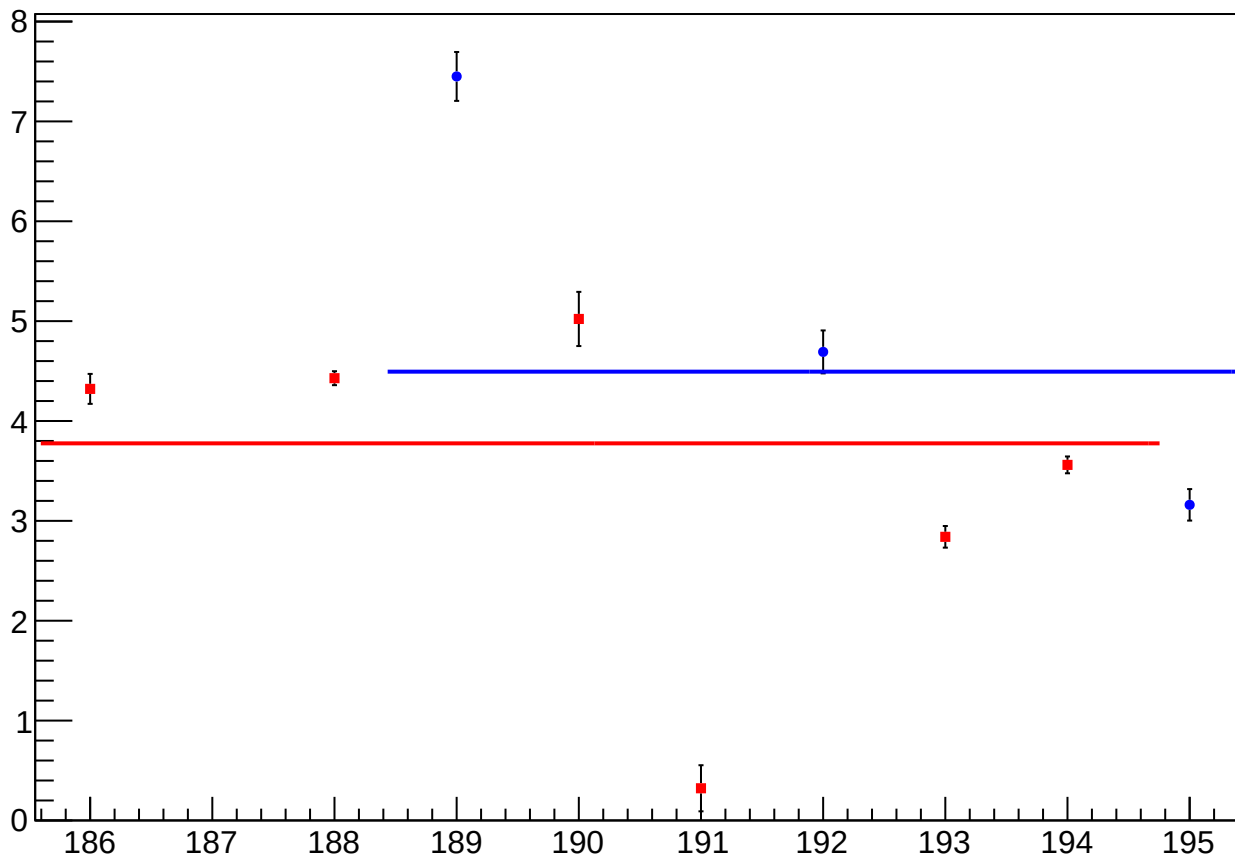
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 276.202 $\pm$ 0.161  $\chi^2$ /NDF: 3237.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4aX\_slope vs Slug



Right In: 4.494+/-0.113  $\chi^2/\text{NDF}$ : 218.1/2

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.776+/-0.044  $\chi^2/\text{NDF}$ : 426.7/5

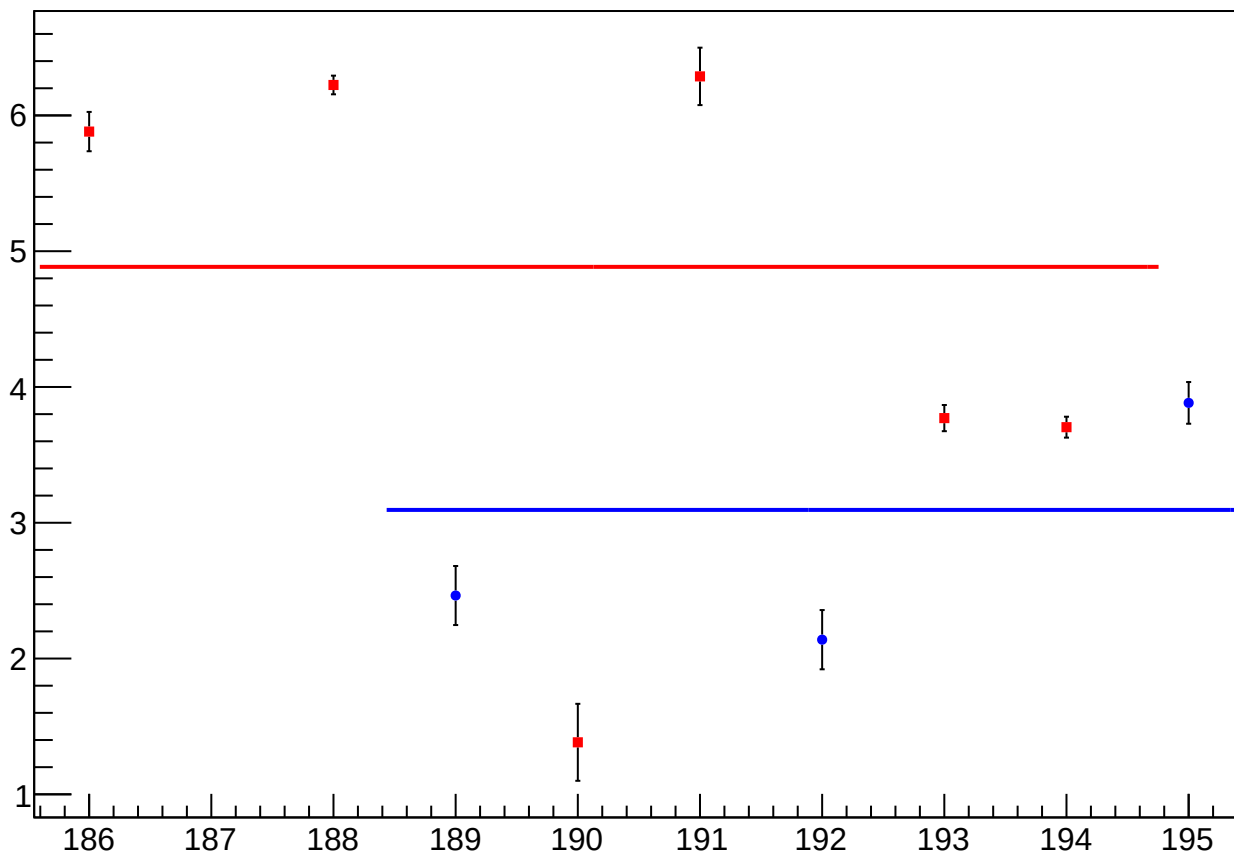
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.872+/-0.041  $\chi^2/\text{NDF}$ : 679.8/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_4eX\_slope vs Slug



Right In: 3.095 $\pm$ 0.109  $\chi^2$ /NDF: 54.0/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4.885 $\pm$ 0.042  $\chi^2$ /NDF: 991.7/5

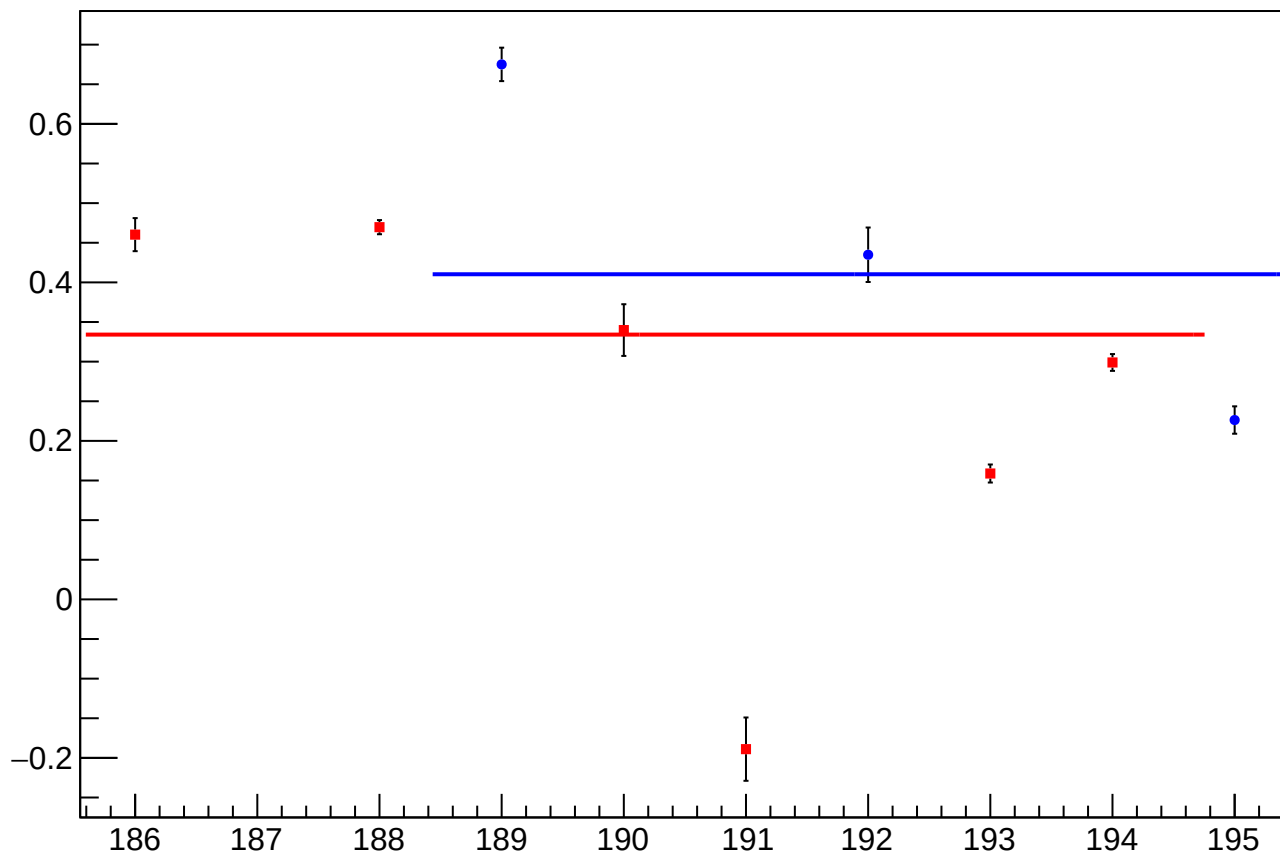
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.653 $\pm$ 0.039  $\chi^2$ /NDF: 1281.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_11X12X\_slope vs Slug



Right In: 0.410 $\pm$ 0.012  $\chi^2$ /NDF: 271.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.334 $\pm$ 0.006  $\chi^2$ /NDF: 686.7/5

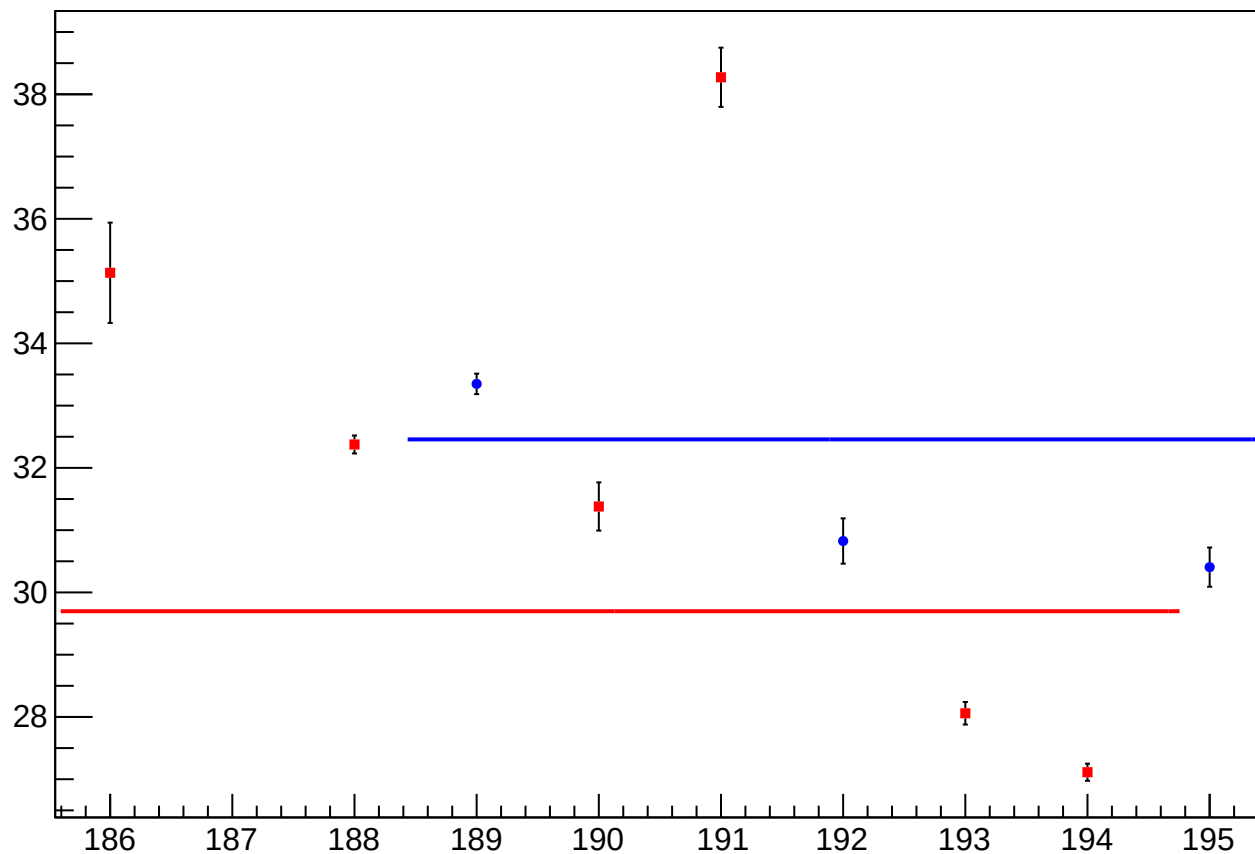
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.347 $\pm$ 0.005  $\chi^2$ /NDF: 989.3/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4aY\_slope vs Slug



Right In: 32.458 $\pm$ 0.135  $\chi^2$ /NDF: 91.9/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 29.698 $\pm$ 0.083  $\chi^2$ /NDF: 1169.2/5

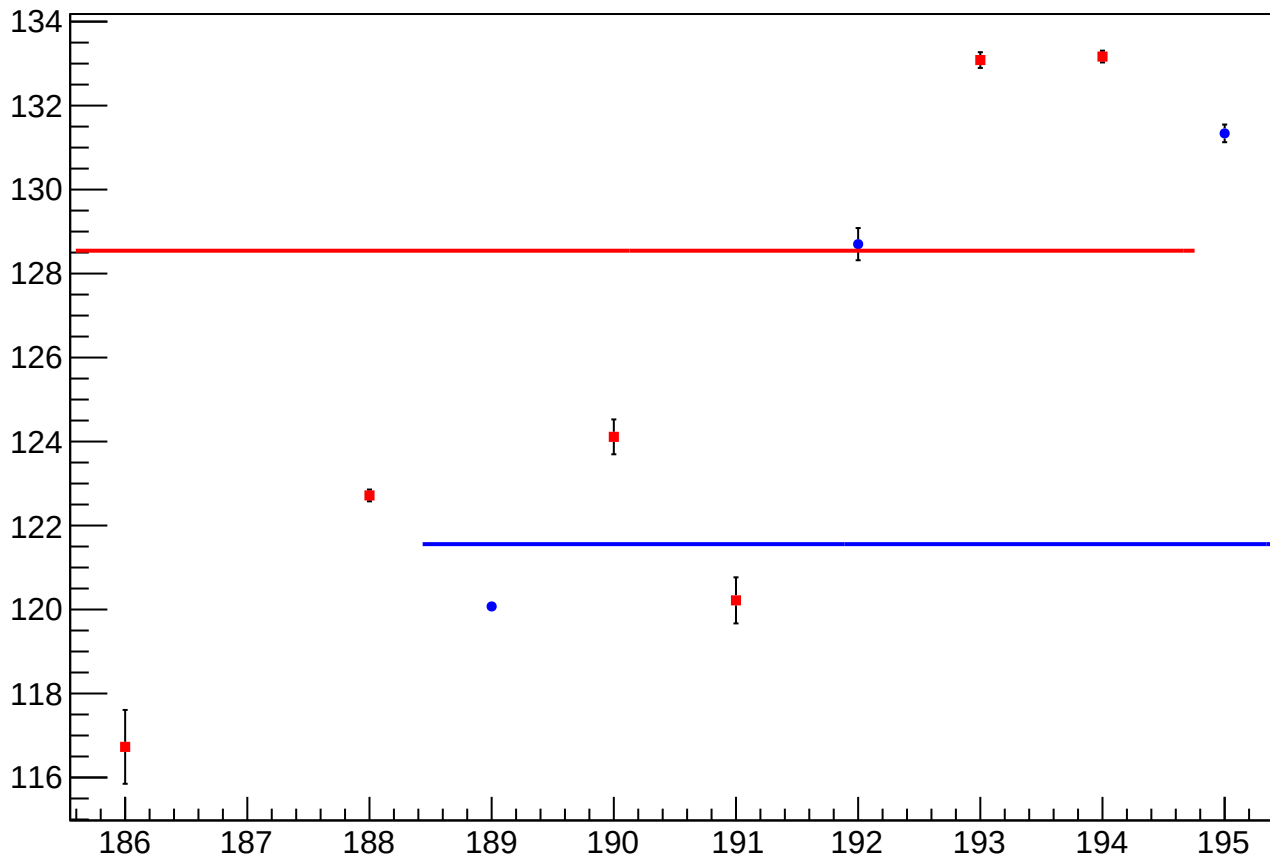
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 30.457 $\pm$ 0.071  $\chi^2$ /NDF: 1562.8/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_4eY\_slope vs Slug



Right In: 121.557 $\pm$ 0.069  $\chi^2$ /NDF: 2907.4/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 128.544 $\pm$ 0.084  $\chi^2$ /NDF: 3924.1/5

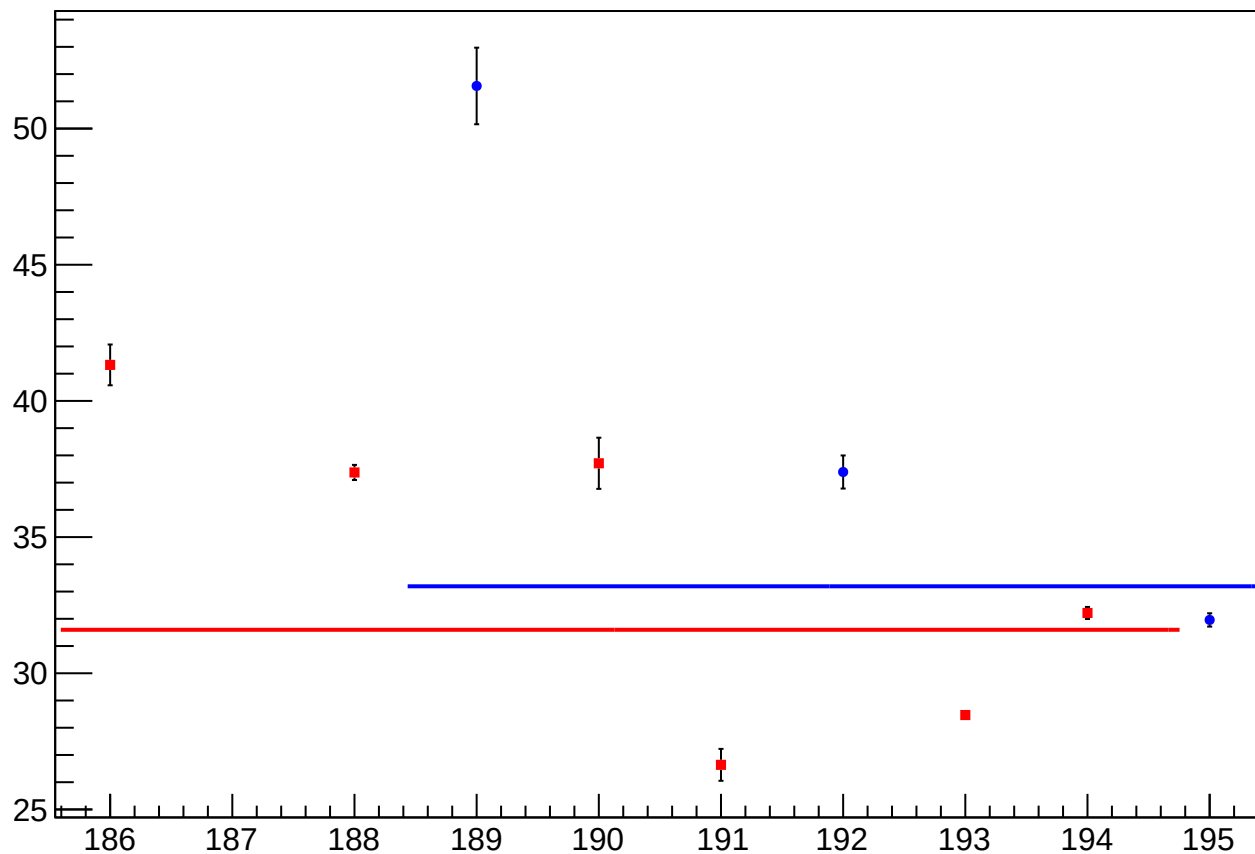
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 124.351 $\pm$ 0.053  $\chi^2$ /NDF: 10950.5/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4aX\_slope vs Slug



Right In: 33.193 $\pm$ 0.224  $\chi^2$ /NDF: 244.0/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 31.597 $\pm$ 0.119  $\chi^2$ /NDF: 1027.3/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

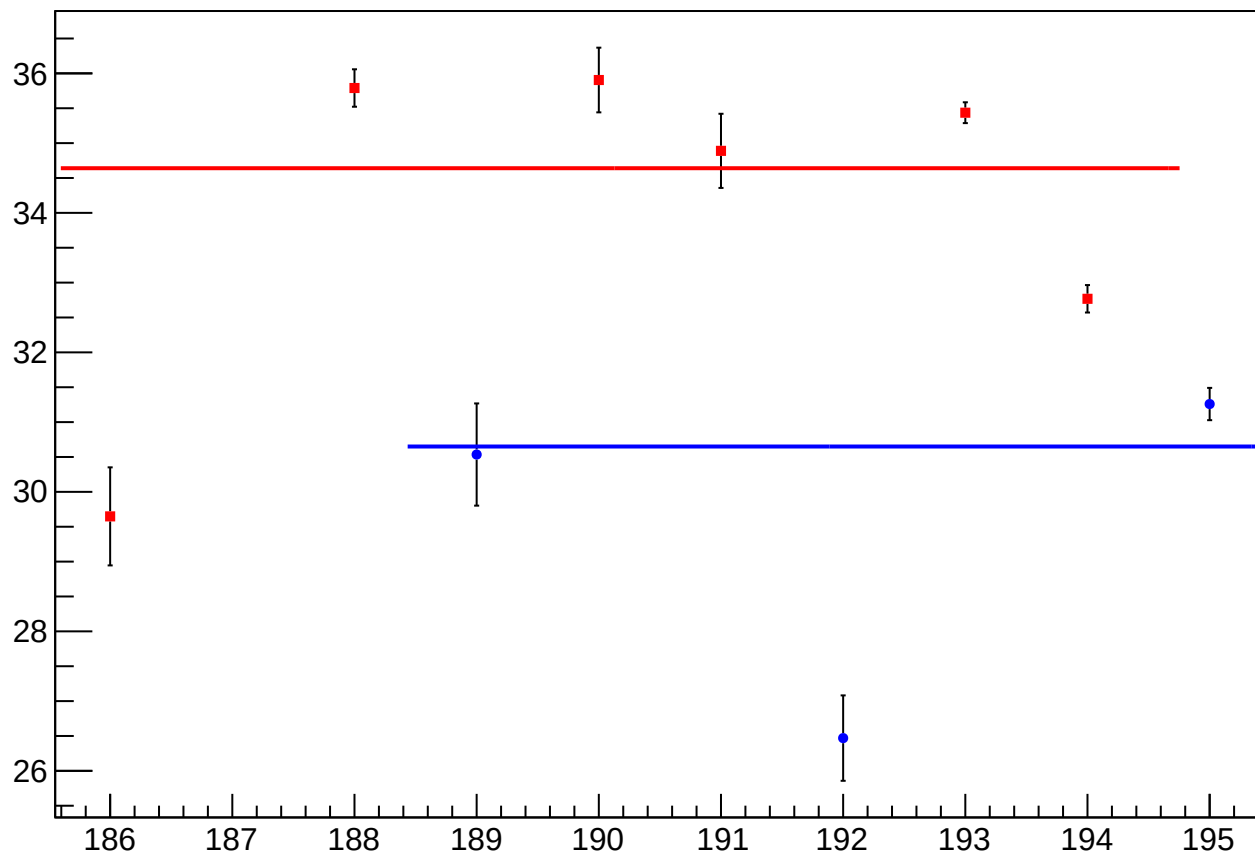
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 31.950 $\pm$ 0.105  $\chi^2$ /NDF: 1310.8/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_4eX\_slope vs Slug



Right In: 30.650 $\pm$ 0.208  $\chi^2$ /NDF: 53.6/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 34.640 $\pm$ 0.103  $\chi^2$ /NDF: 195.3/5

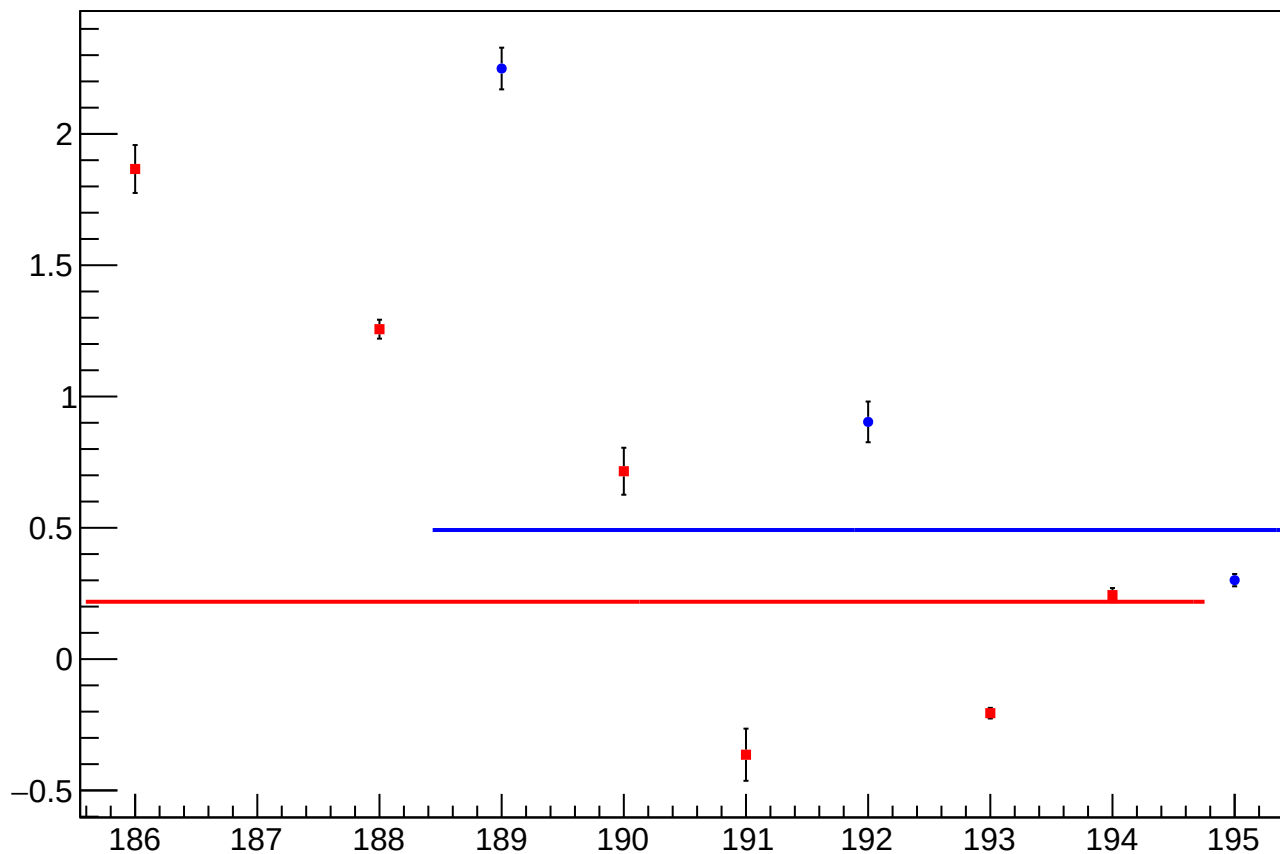
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 33.856 $\pm$ 0.092  $\chi^2$ /NDF: 545.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_11X12X\_slope vs Slug



Right In: 0.492 $\pm$ 0.022  $\chi^2$ /NDF: 584.5/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.218 $\pm$ 0.014  $\chi^2$ /NDF: 1662.5/5

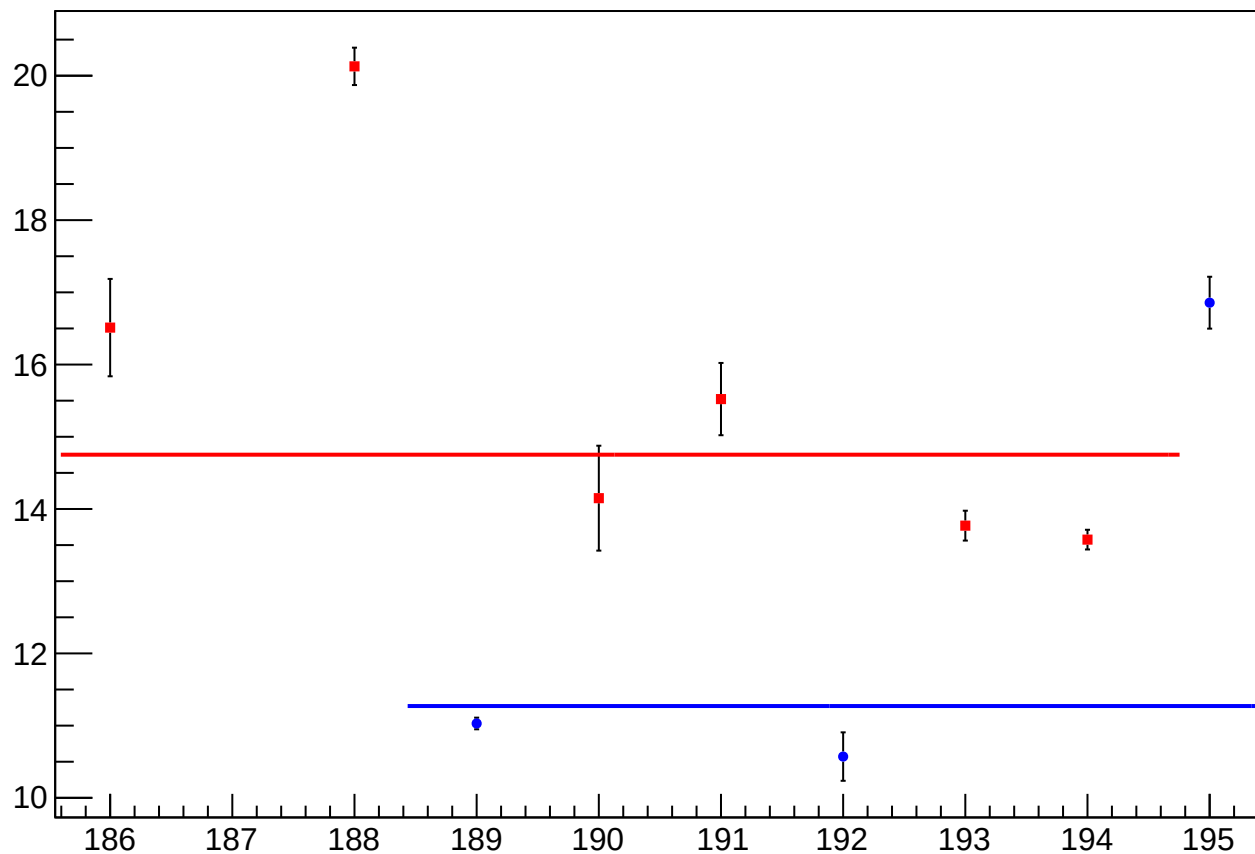
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.301 $\pm$ 0.012  $\chi^2$ /NDF: 2358.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4aY\_slope vs Slug



Right In: 11.271 $\pm$ 0.077  $\chi^2$ /NDF: 255.0/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 14.752 $\pm$ 0.100  $\chi^2$ /NDF: 538.6/5

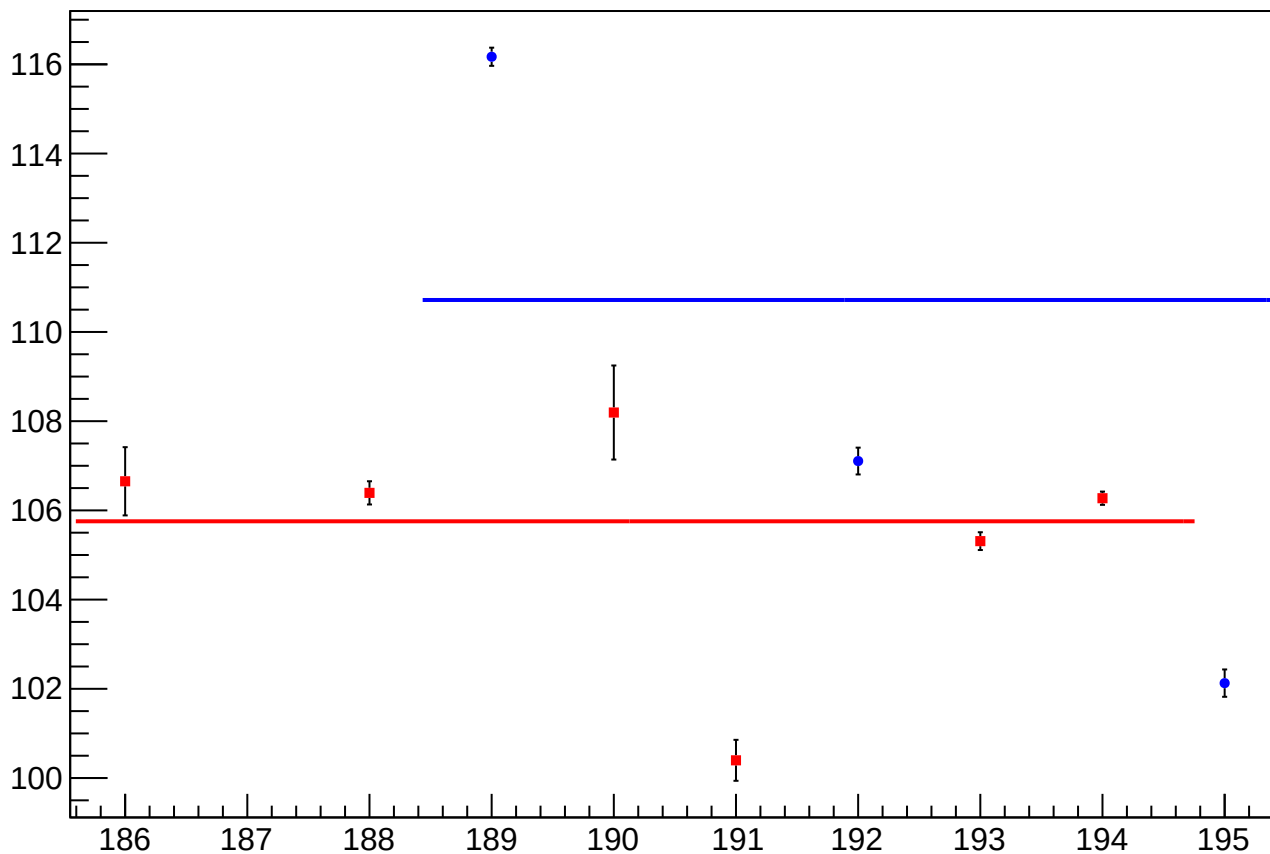
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 12.561 $\pm$ 0.061  $\chi^2$ /NDF: 1556.8/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_4eY\_slope vs Slug



Right In: 110.717 $\pm$ 0.148  $\chi^2$ /NDF: 1645.6/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 105.755 $\pm$ 0.104  $\chi^2$ /NDF: 166.1/5

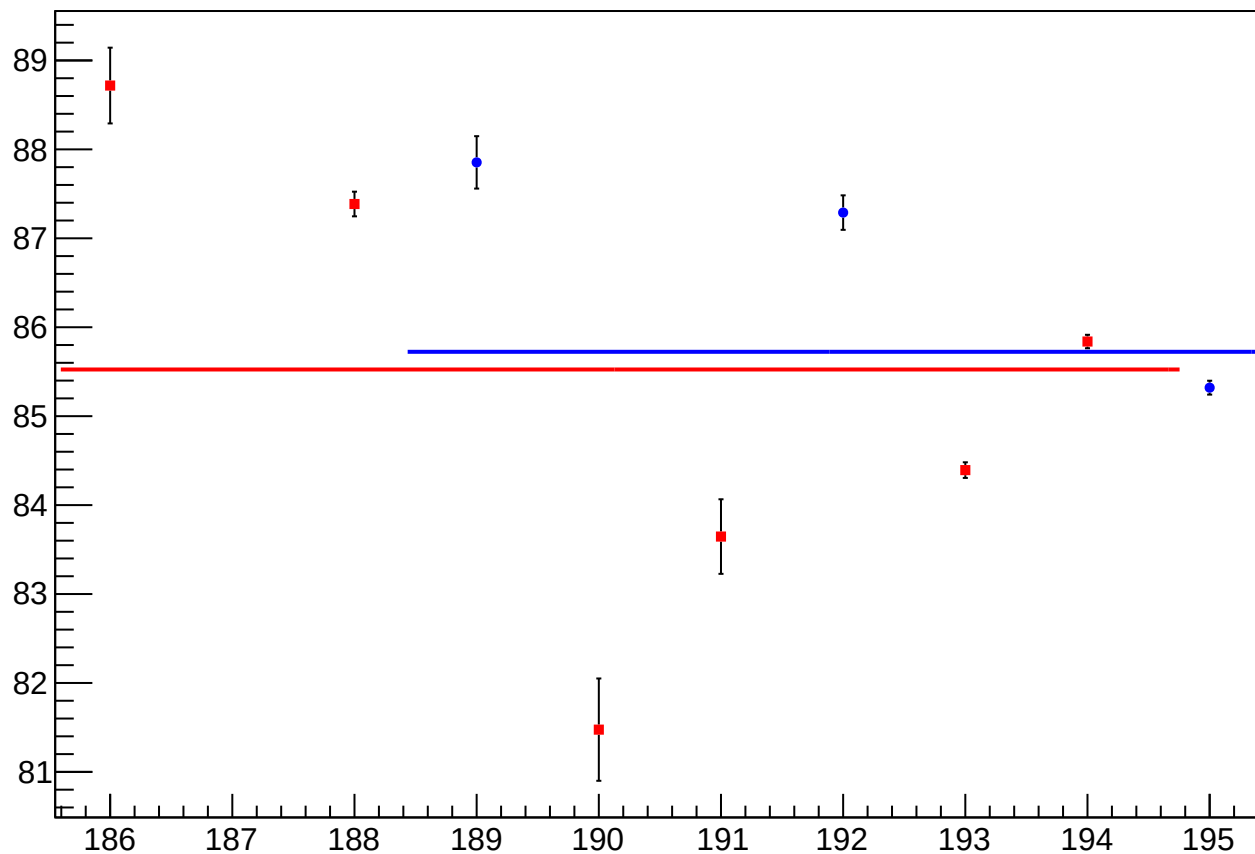
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 107.397 $\pm$ 0.085  $\chi^2$ /NDF: 2566.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4aX\_slope vs Slug



Right In: 85.724 $\pm$ 0.070  $\chi^2$ /NDF: 144.1/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 85.525 $\pm$ 0.052  $\chi^2$ /NDF: 488.7/5

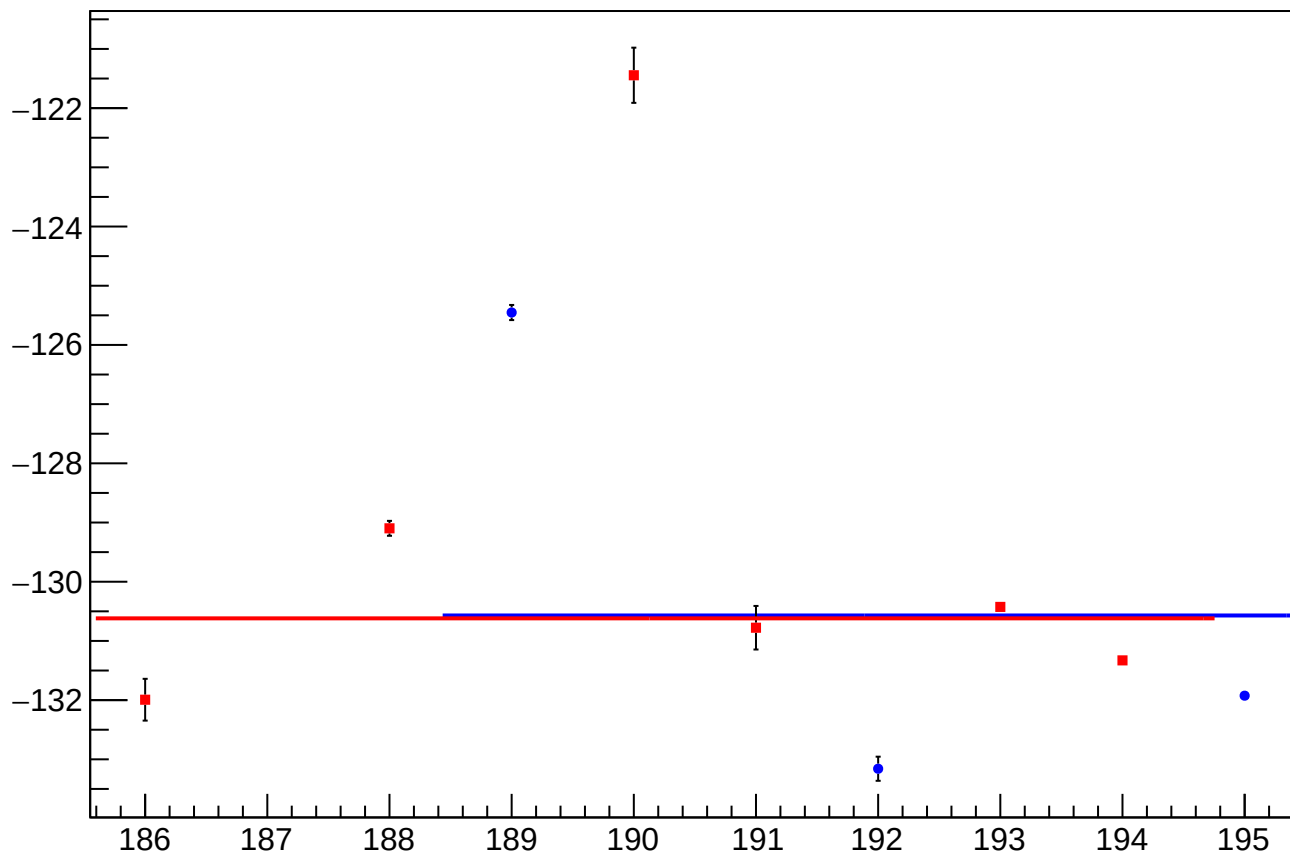
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 85.595 $\pm$ 0.042  $\chi^2$ /NDF: 637.9/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4eX\_slope vs Slug



Right In:  $-130.570 \pm 0.061$   $\chi^2/\text{NDF}$ : 2107.2/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-130.619 \pm 0.046$   $\chi^2/\text{NDF}$ : 667.4/5

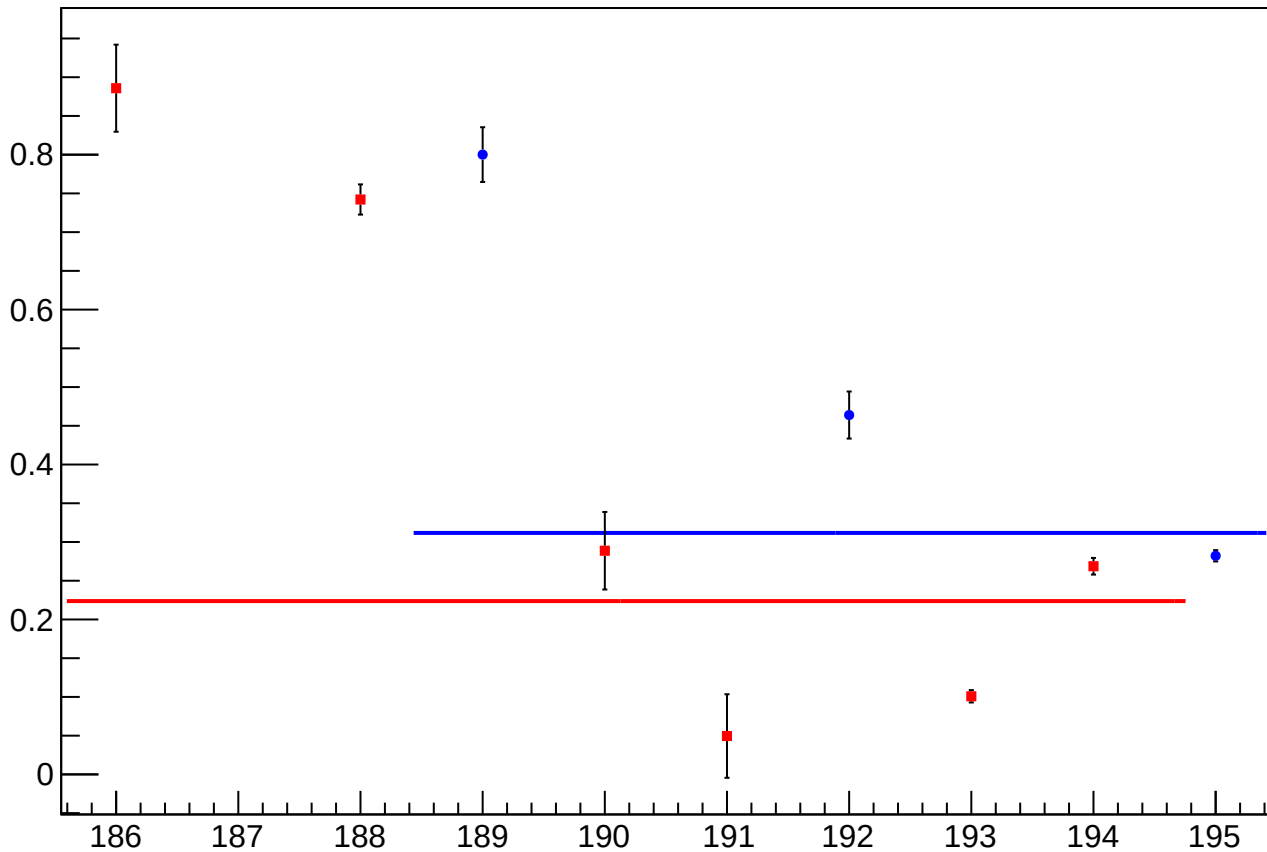
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-130.601 \pm 0.037$   $\chi^2/\text{NDF}$ : 2775.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_11X12X\_slope vs Slug



Right In: 0.312 $\pm$ 0.007  $\chi^2$ /NDF: 232.7/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.224 $\pm$ 0.006  $\chi^2$ /NDF: 1113.1/5

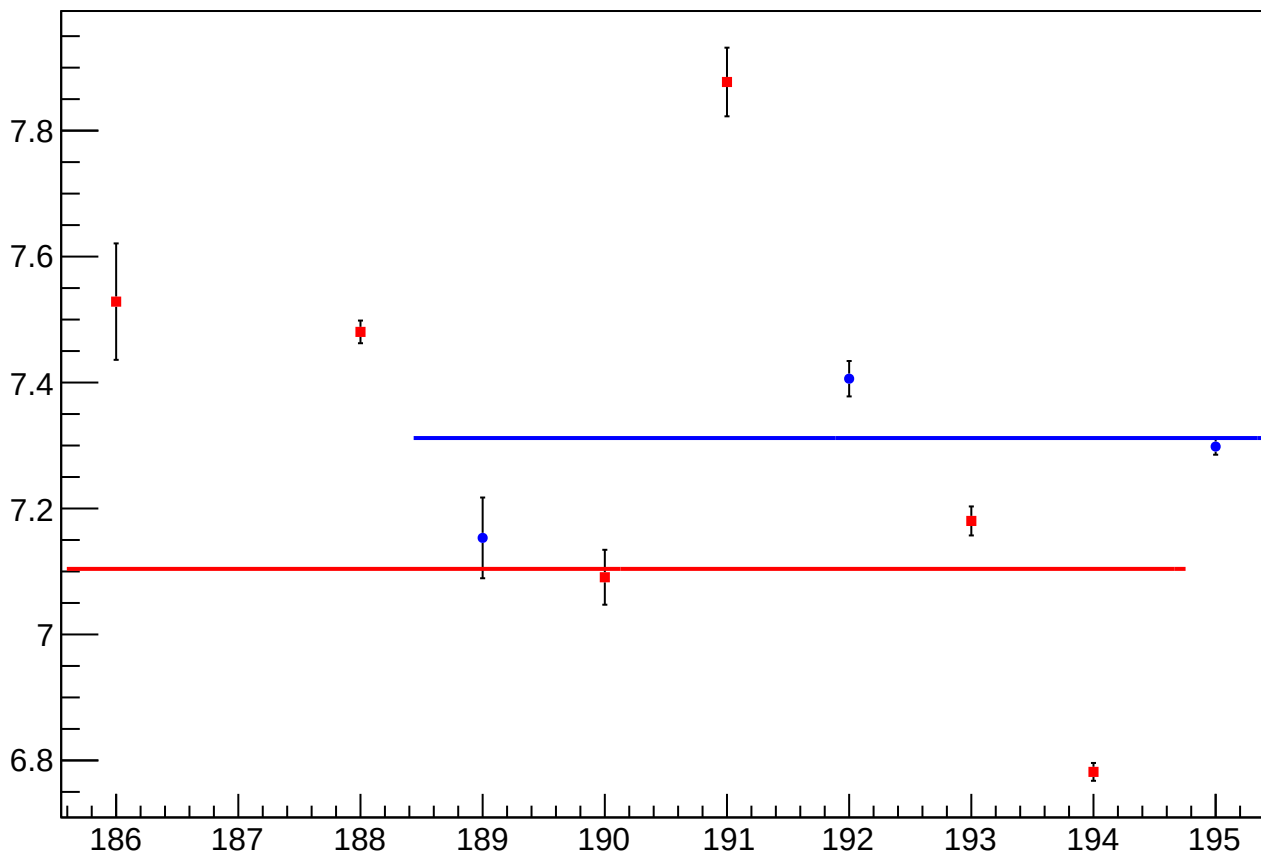
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.261 $\pm$ 0.005  $\chi^2$ /NDF: 1438.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_4aY\_slope vs Slug



Right In: 7.312 $\pm$ 0.012  $\chi^2$ /NDF: 18.4/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.104 $\pm$ 0.010  $\chi^2$ /NDF: 1188.6/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

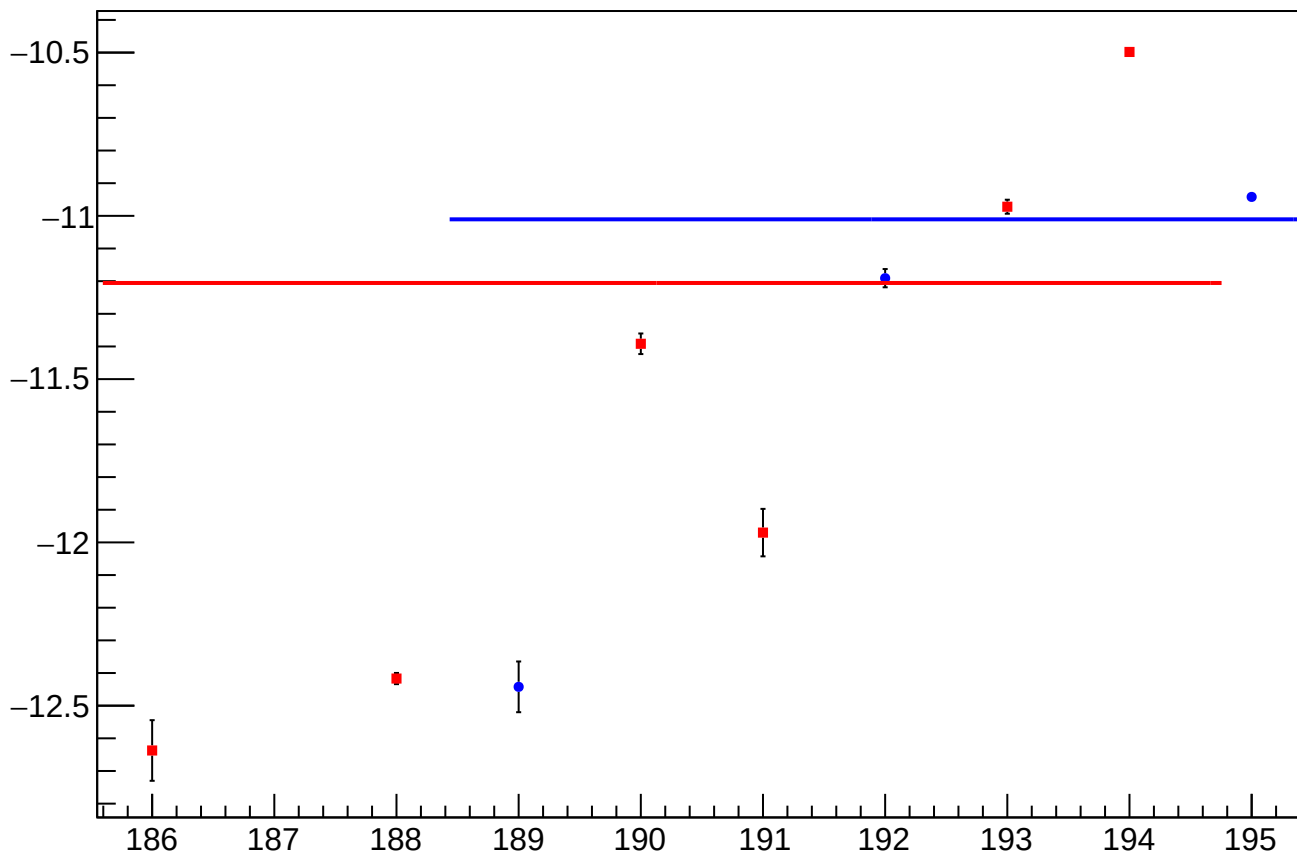
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.188 $\pm$ 0.007  $\chi^2$ /NDF: 1398.6/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam7\_4eY\_slope vs Slug



Right In:  $-11.011 \pm 0.011$   $\chi^2/\text{NDF}$ : 413.4/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-11.206 \pm 0.009$   $\chi^2/\text{NDF}$ : 8408.1/5

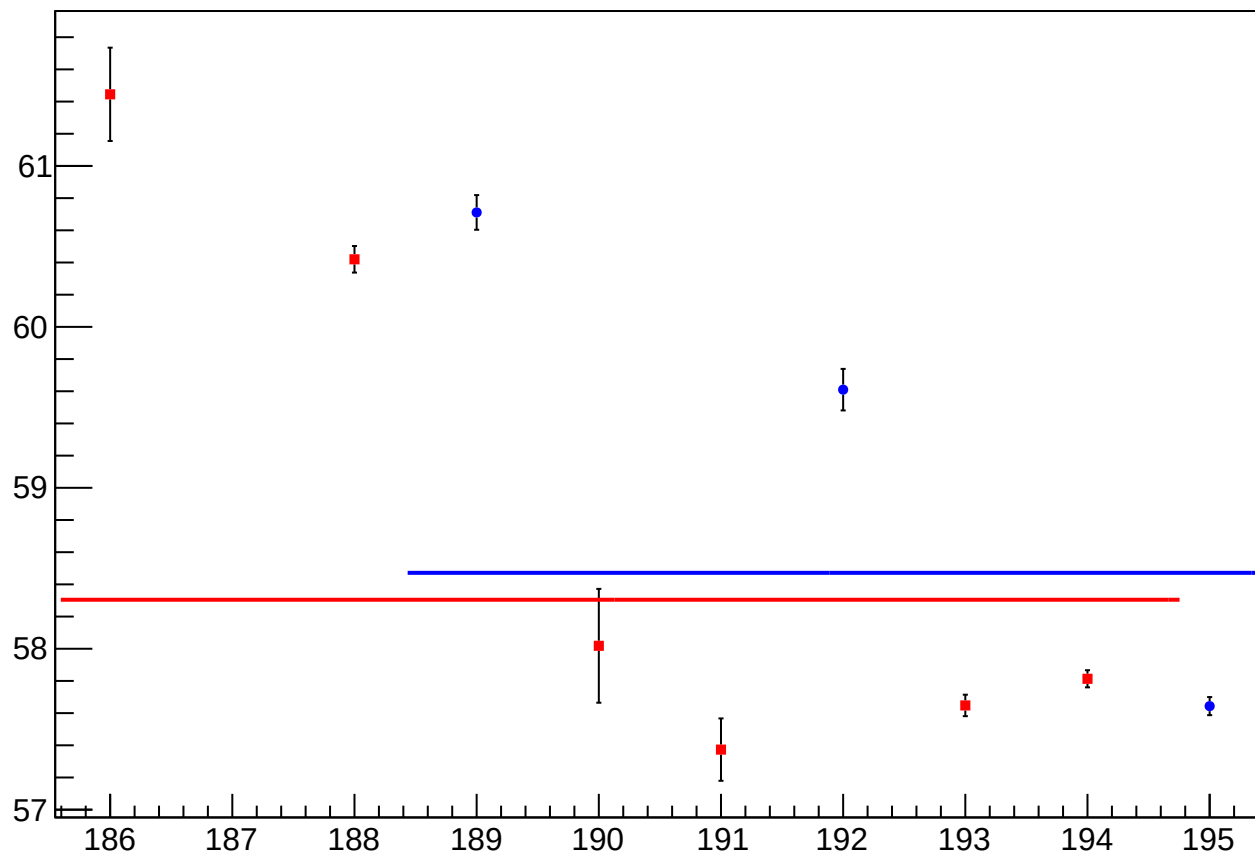
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-11.129 \pm 0.007$   $\chi^2/\text{NDF}$ : 9011.5/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_4aX\_slope vs Slug



Right In:  $58.472 \pm 0.047$   $\chi^2/\text{NDF}$ : 726.8/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $58.305 \pm 0.036$   $\chi^2/\text{NDF}$ : 980.6/5

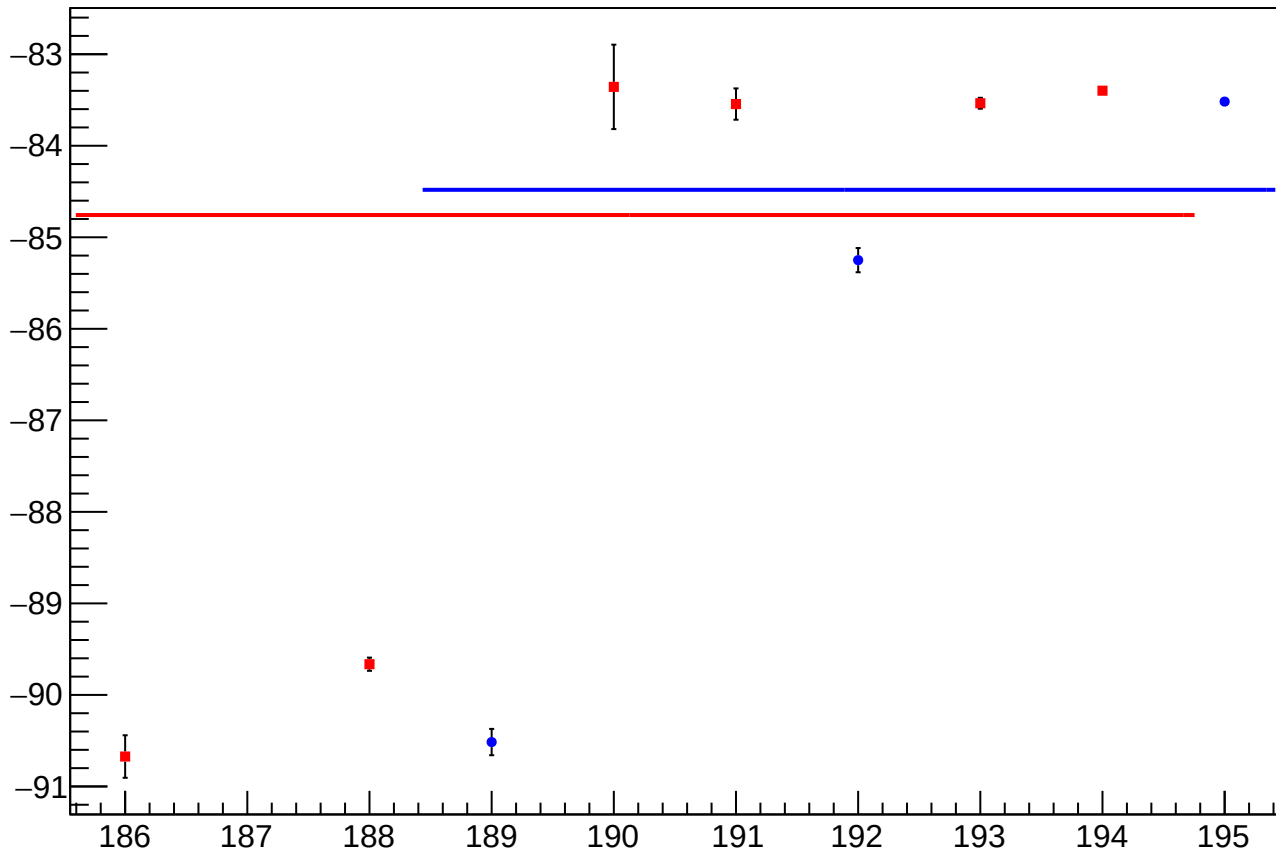
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $58.367 \pm 0.028$   $\chi^2/\text{NDF}$ : 1715.5/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_4eX\_slope vs Slug



Right In:  $-84.481 \pm 0.047$   $\chi^2/\text{NDF}$ : 2119.0/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-84.757 \pm 0.031$   $\chi^2/\text{NDF}$ : 6681.2/5

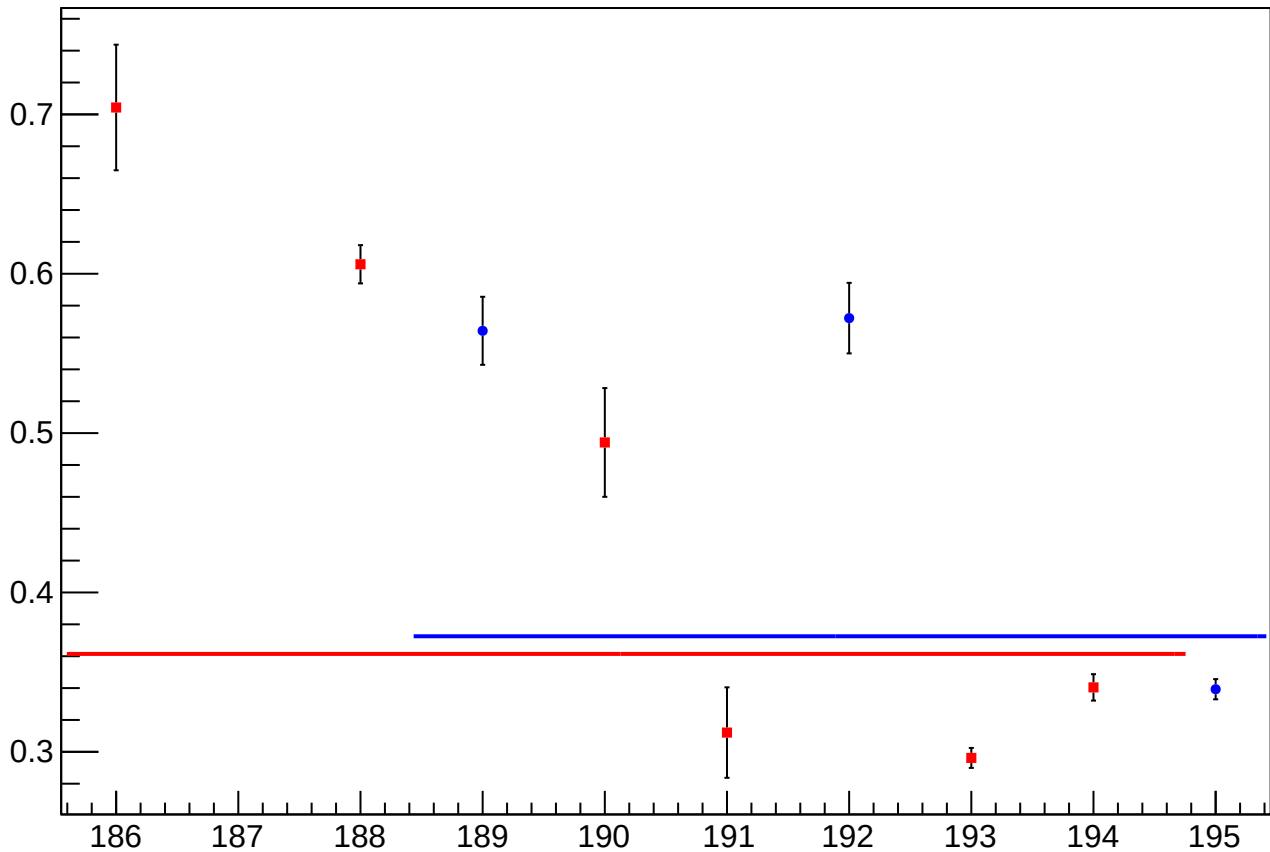
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-84.672 \pm 0.026$   $\chi^2/\text{NDF}$ : 8824.1/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_11X12X\_slope vs Slug



Right In: 0.373 $\pm$ 0.006  $\chi^2$ /NDF: 189.5/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.361 $\pm$ 0.004  $\chi^2$ /NDF: 623.0/5

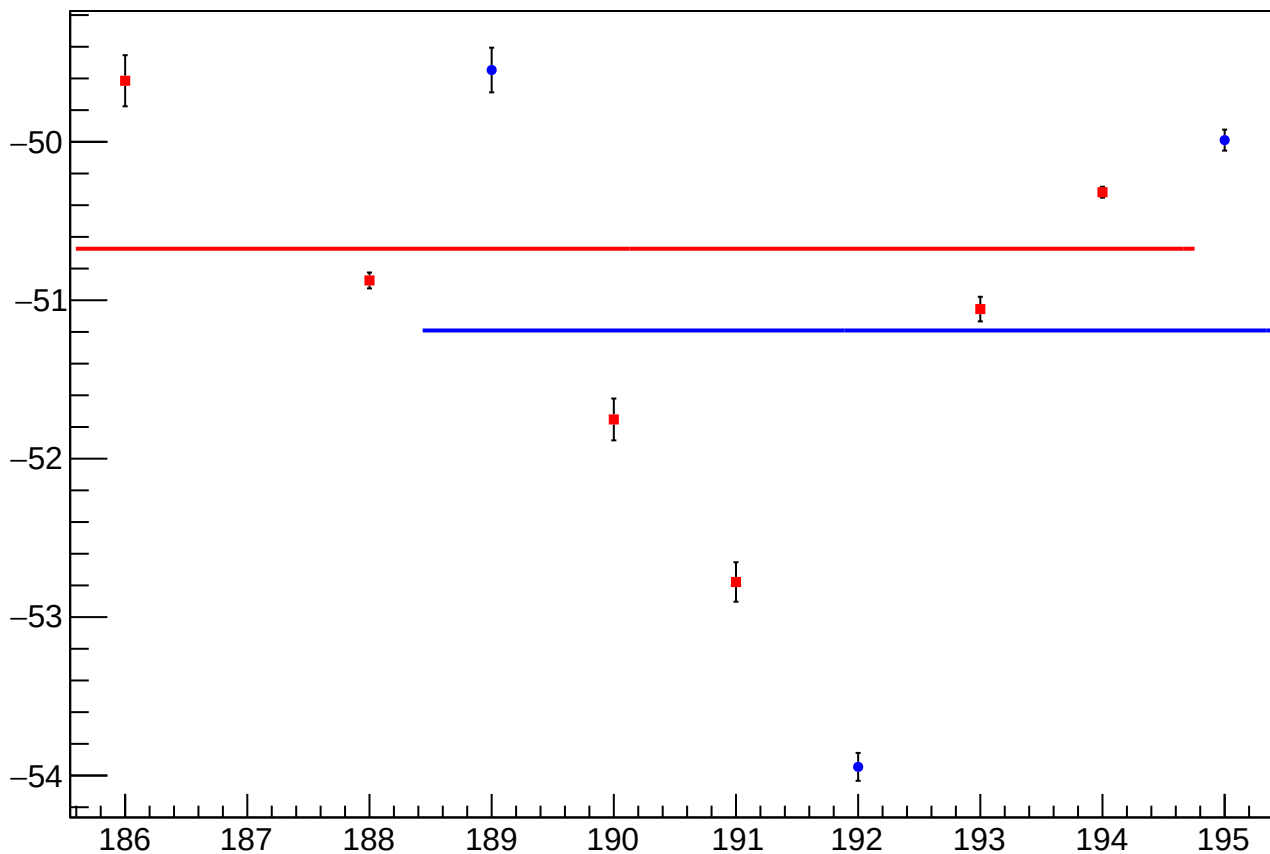
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.366 $\pm$ 0.004  $\chi^2$ /NDF: 814.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_4aY\_slope vs Slug



Right In:  $-51.191 \pm 0.050$   $\chi^2/\text{NDF}$ : 1444.7/2

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-50.675 \pm 0.025$   $\chi^2/\text{NDF}$ : 541.2/5

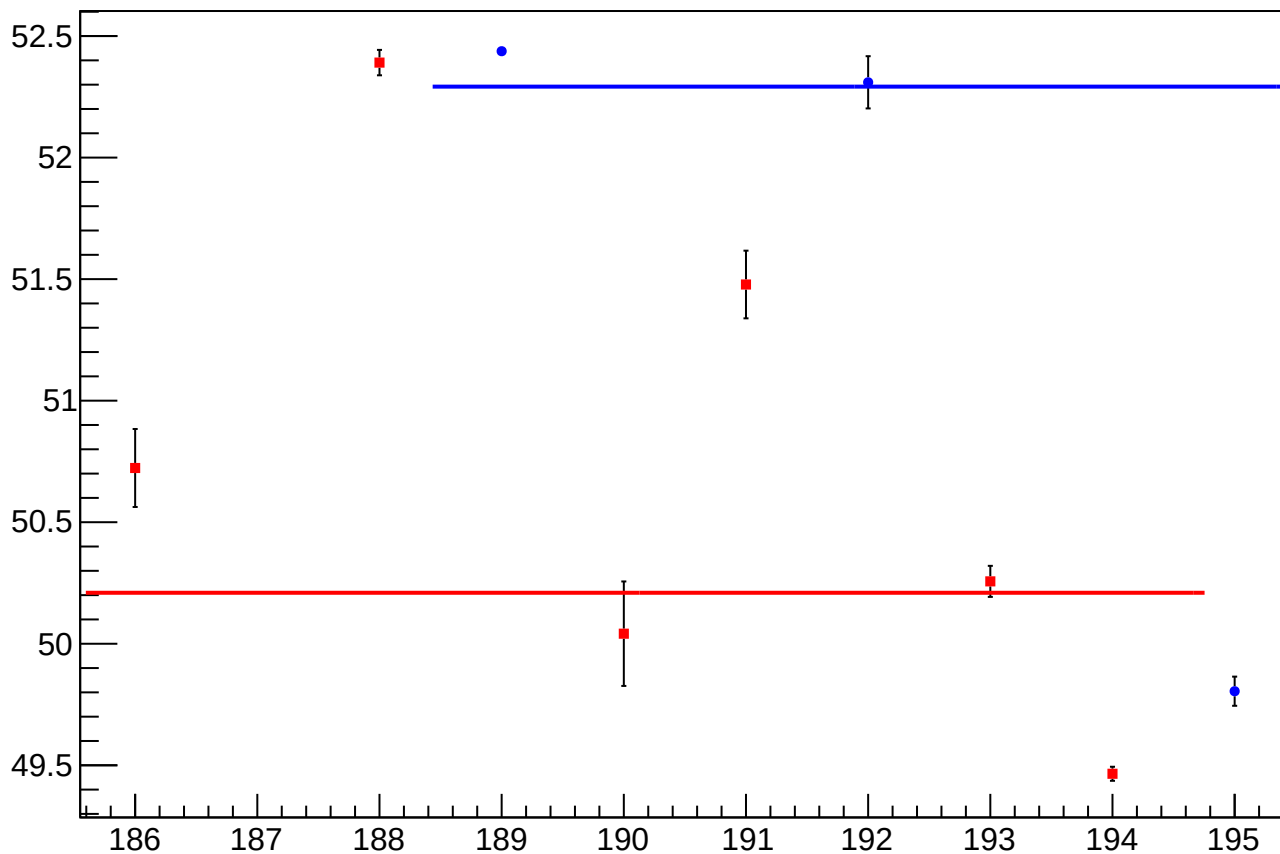
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-50.782 \pm 0.023$   $\chi^2/\text{NDF}$ : 2071.8/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_4eY\_slope vs Slug



Right In: 52.292 $\pm$ 0.014  $\chi^2$ /NDF: 1820.3/2

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 50.210 $\pm$ 0.023  $\chi^2$ /NDF: 2499.9/5

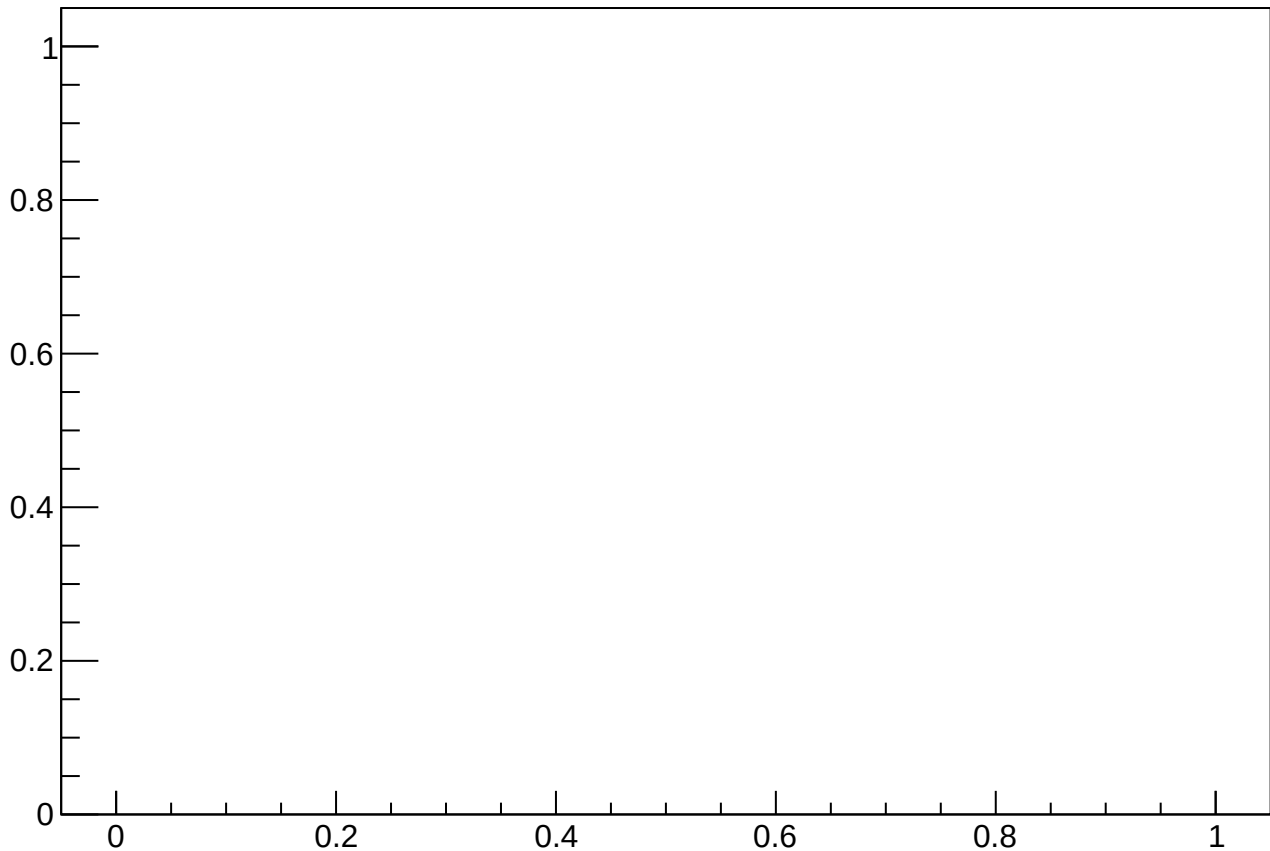
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 51.722 $\pm$ 0.012  $\chi^2$ /NDF: 10369.8/8

- 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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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

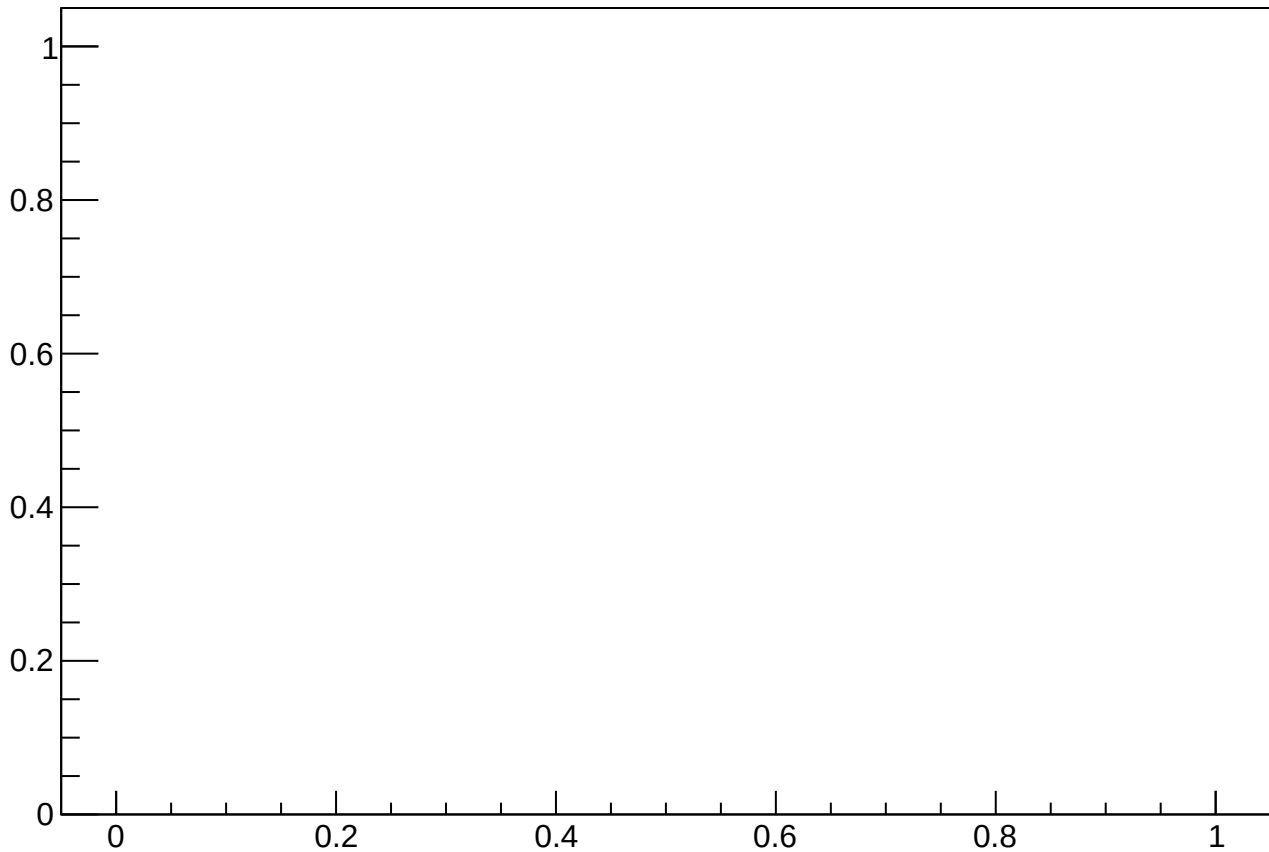
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

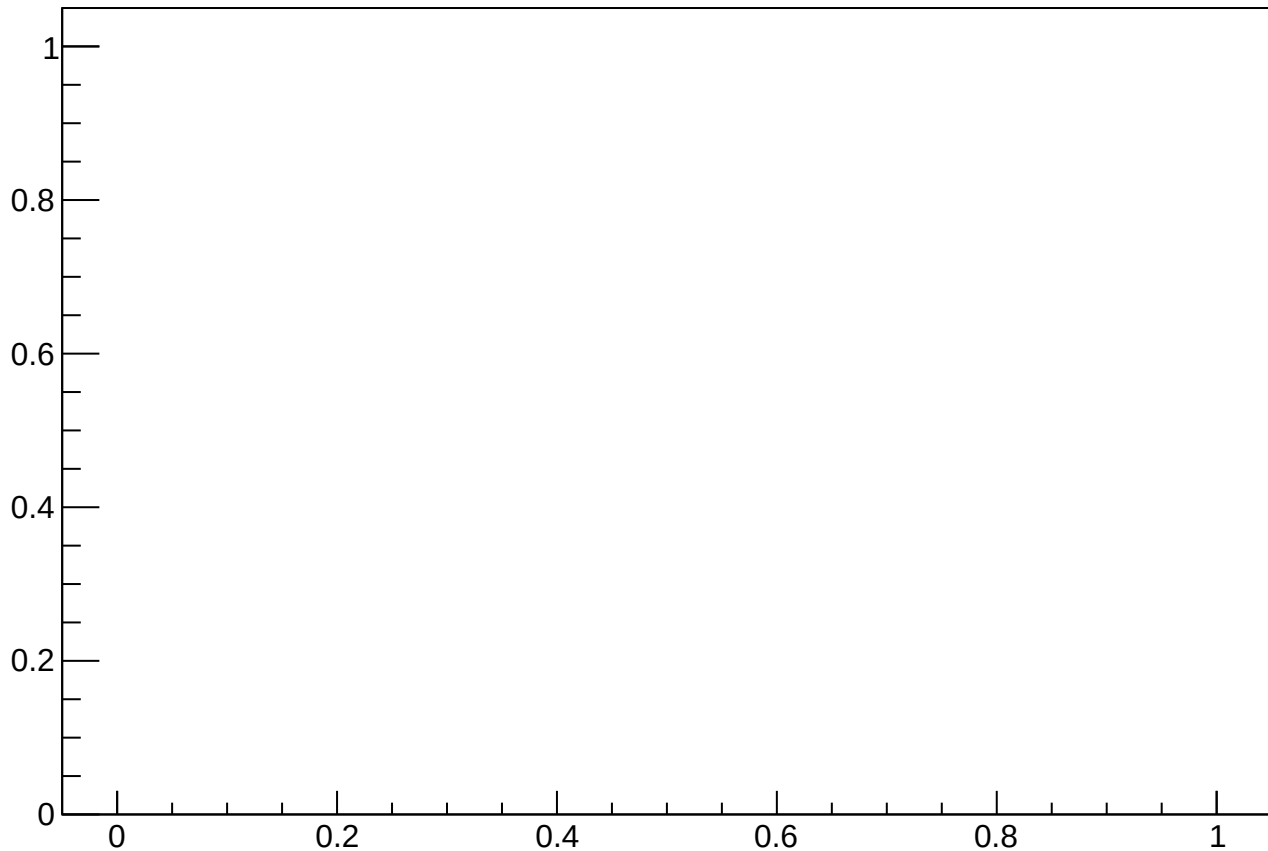
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_atr1\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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+/-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\_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

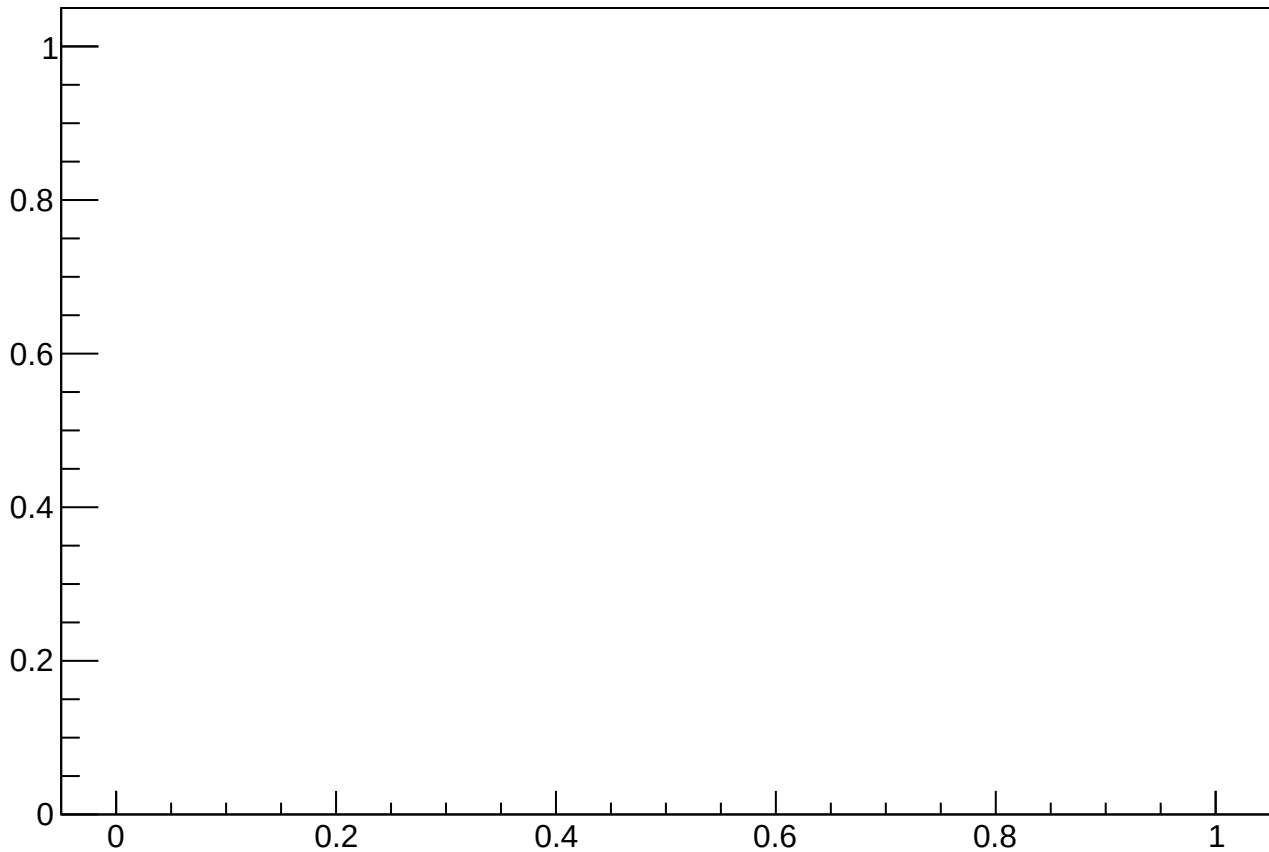
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam4\_coil1\_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\_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+/-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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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

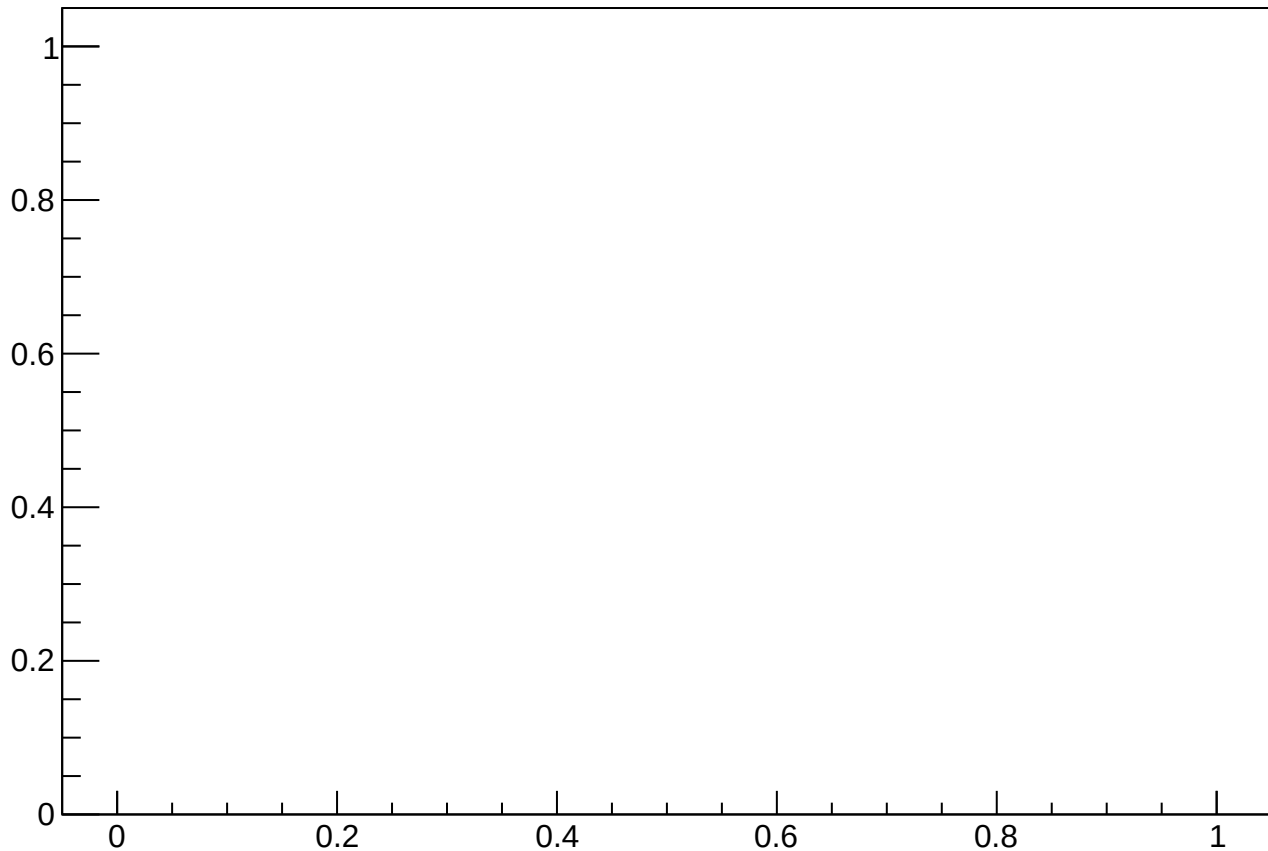
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_4eY\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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+/-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

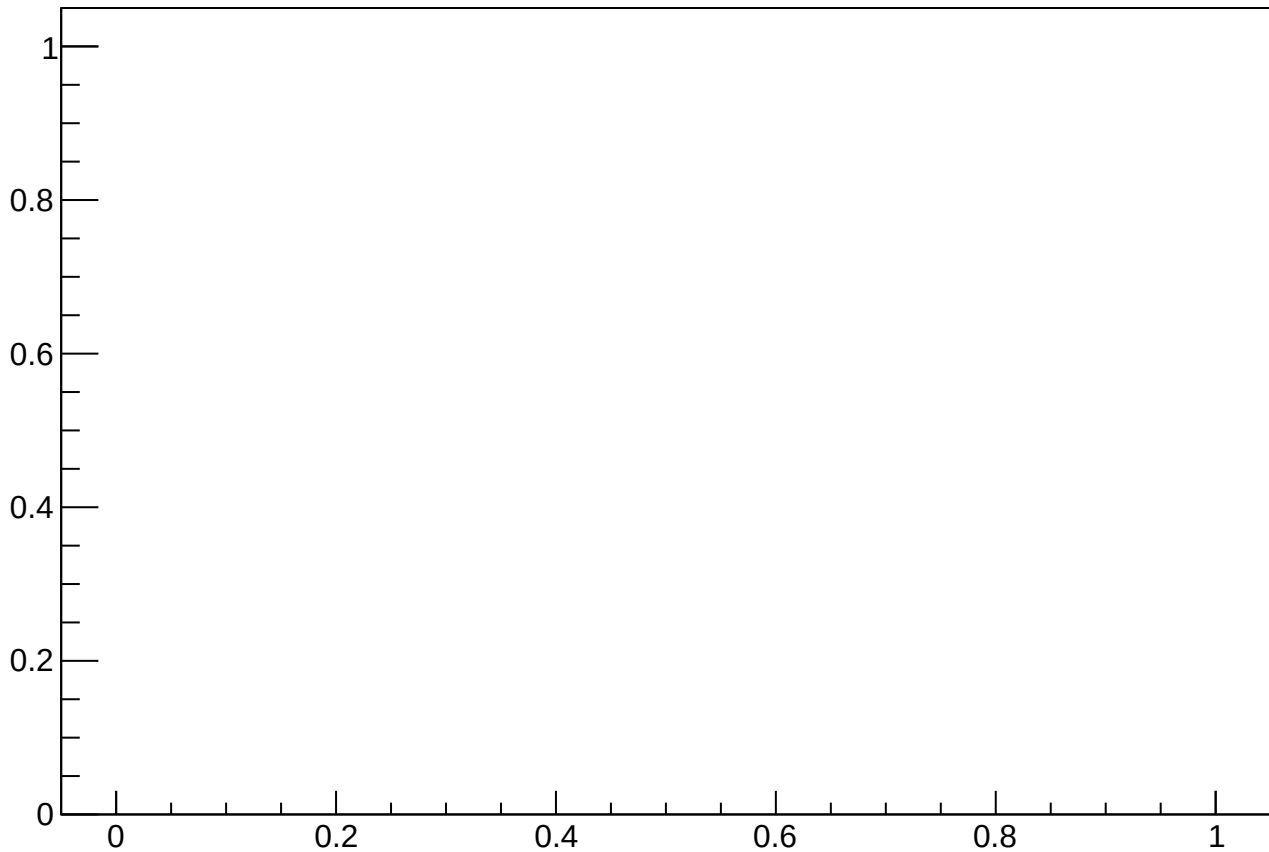
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

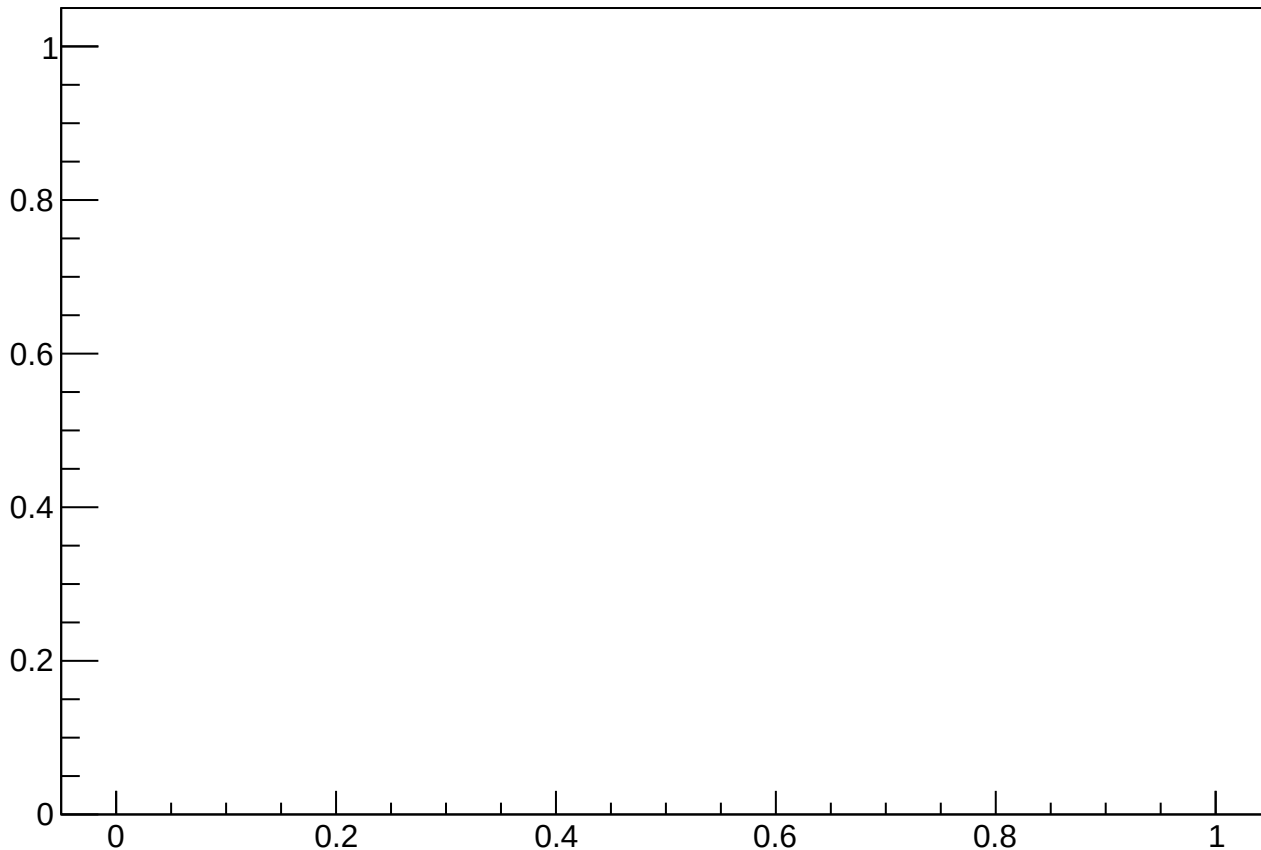
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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

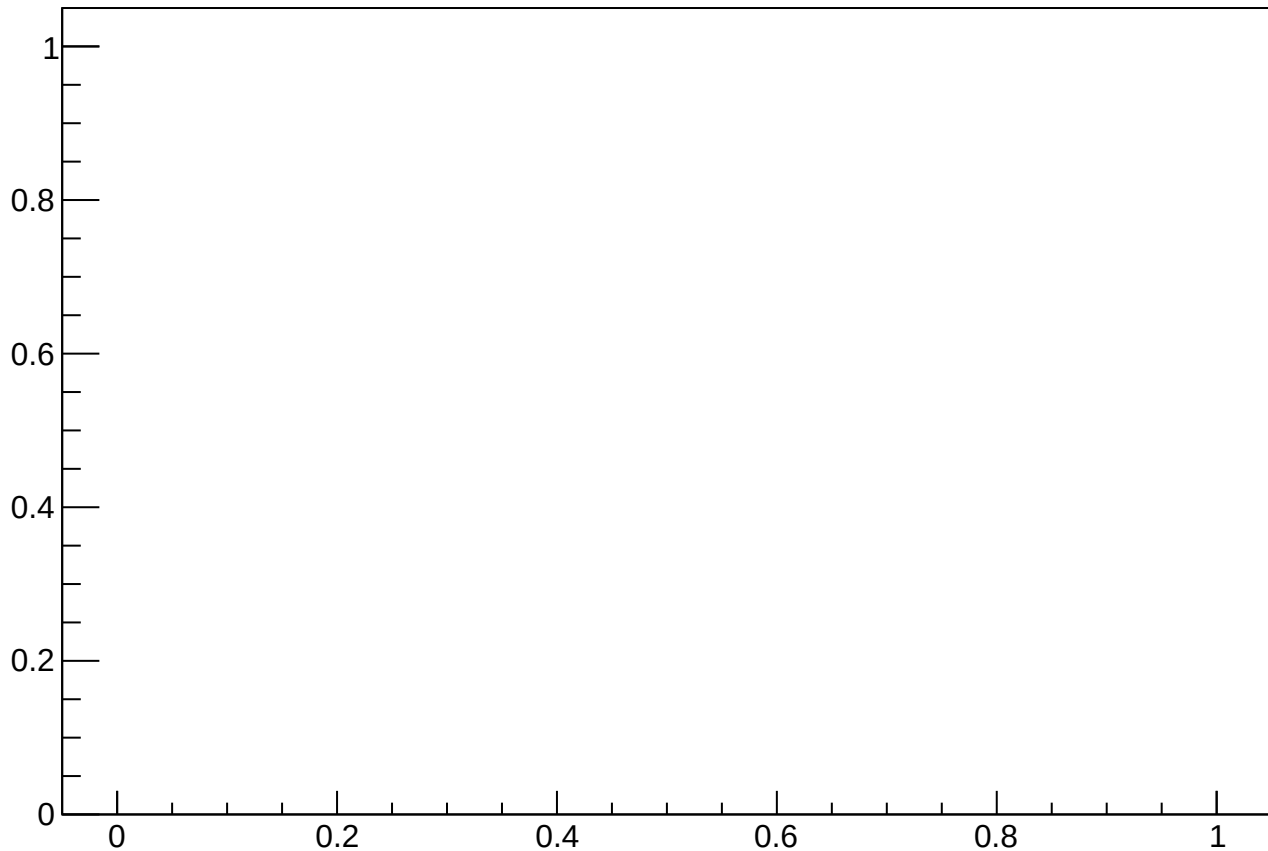
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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+/-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\_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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

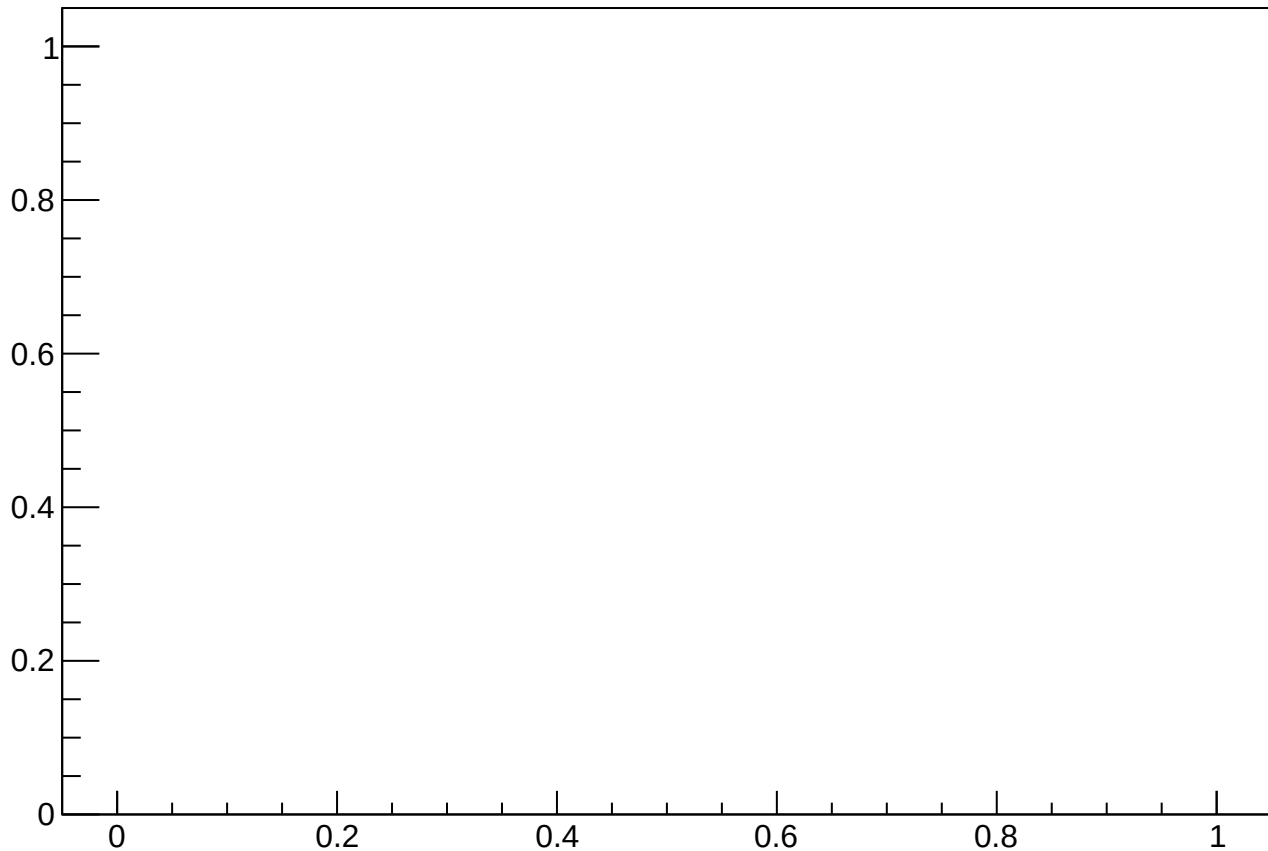
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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\_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+/-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\_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

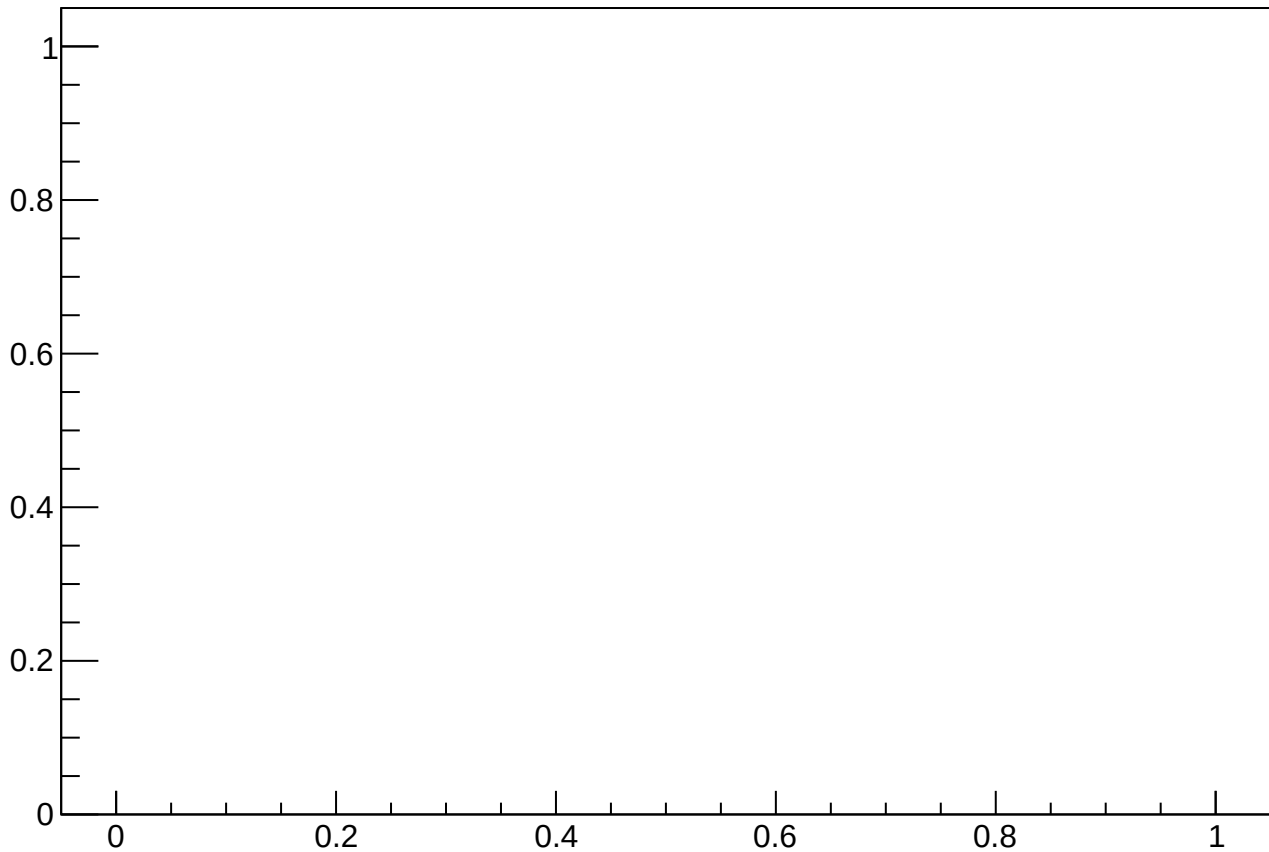
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

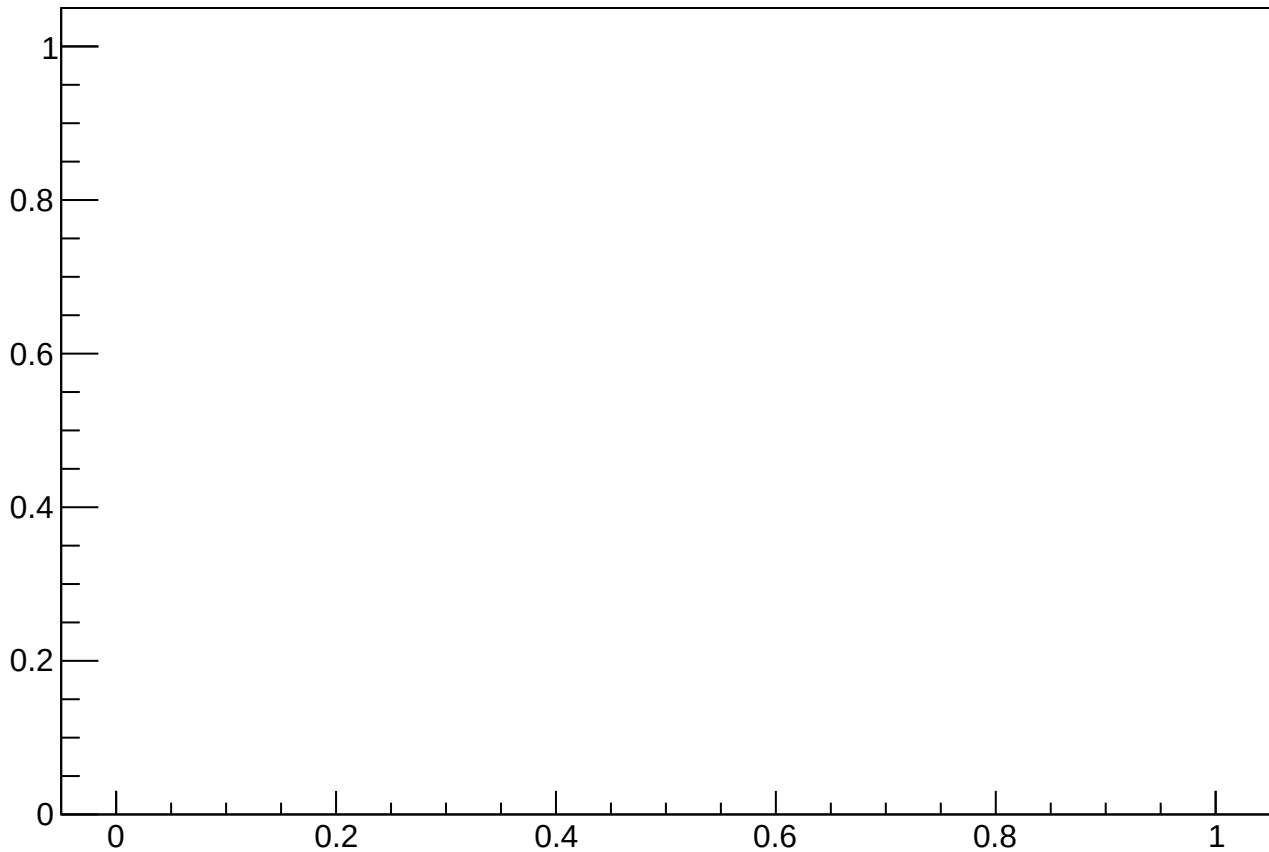
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

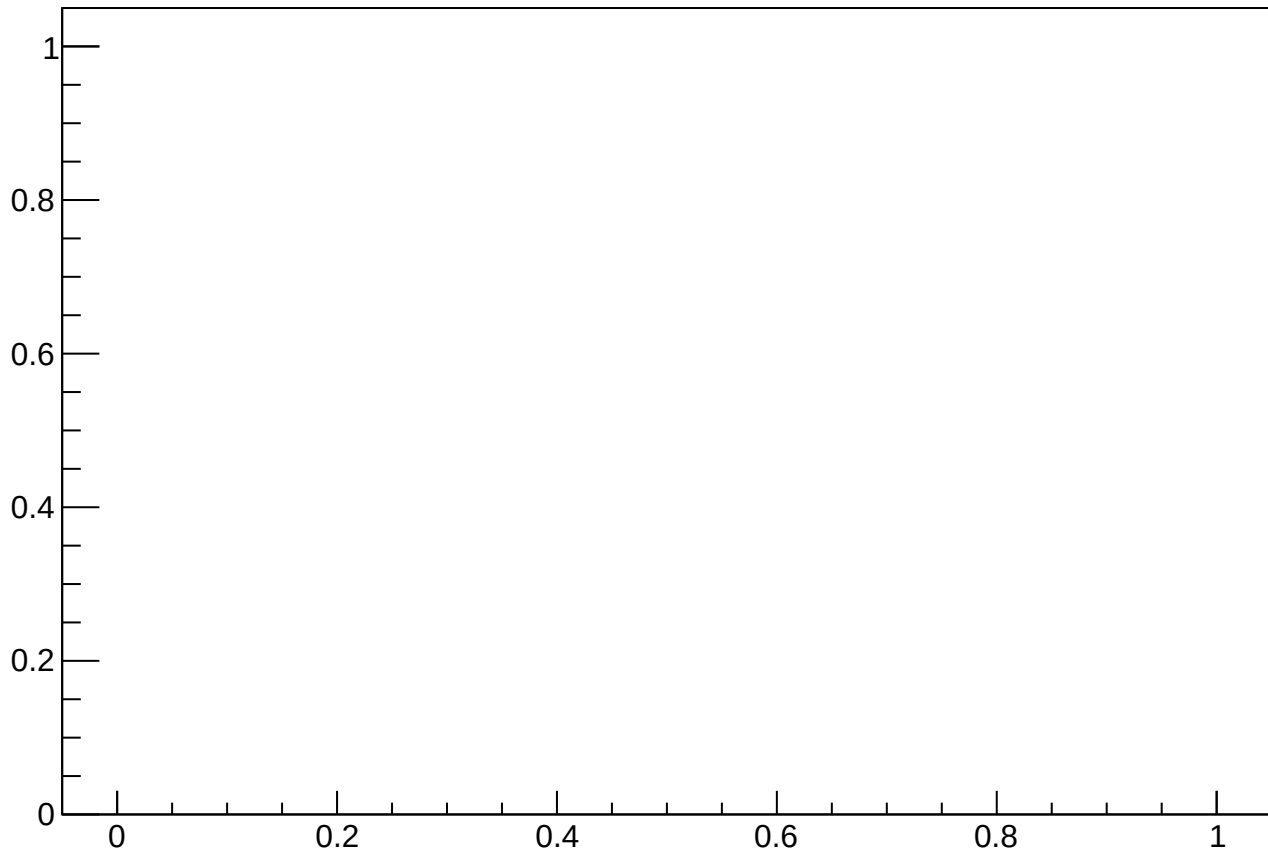
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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

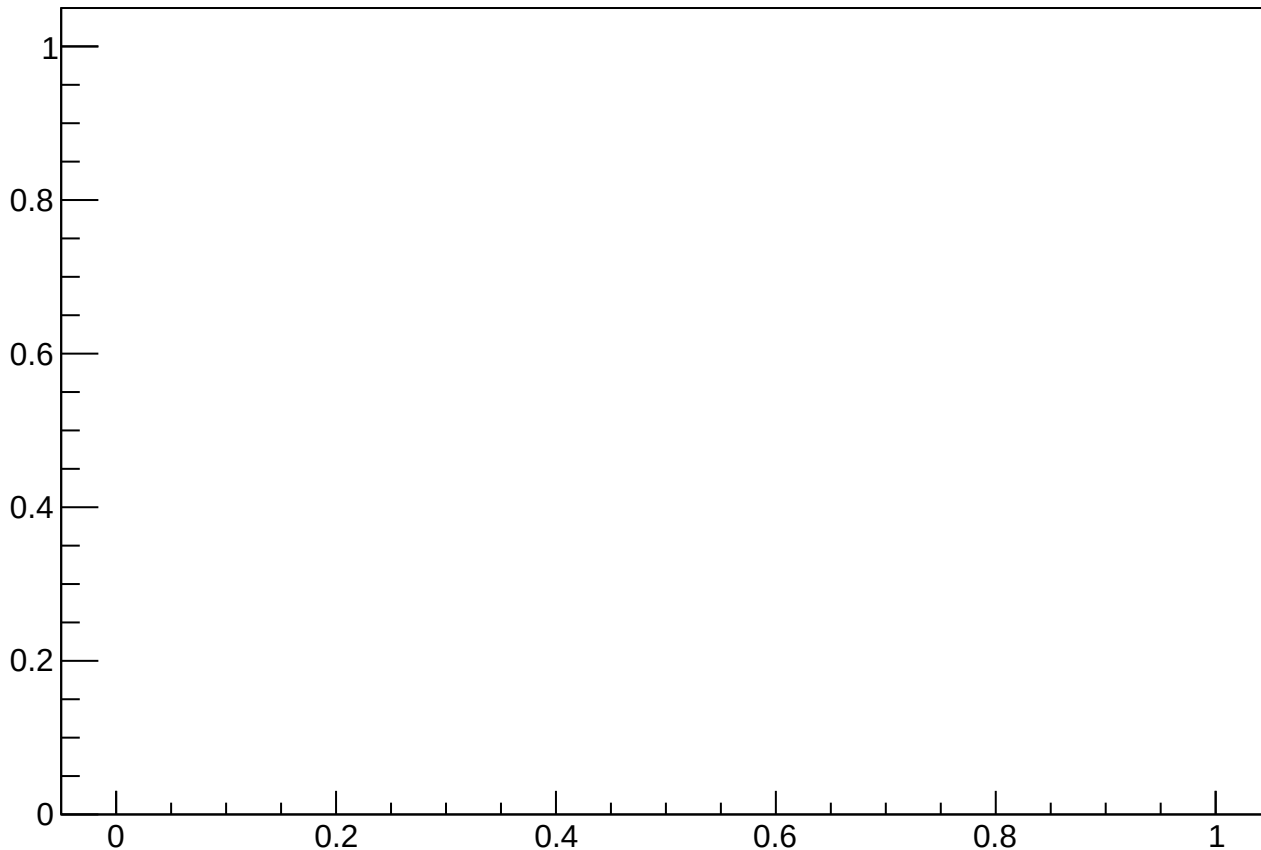
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

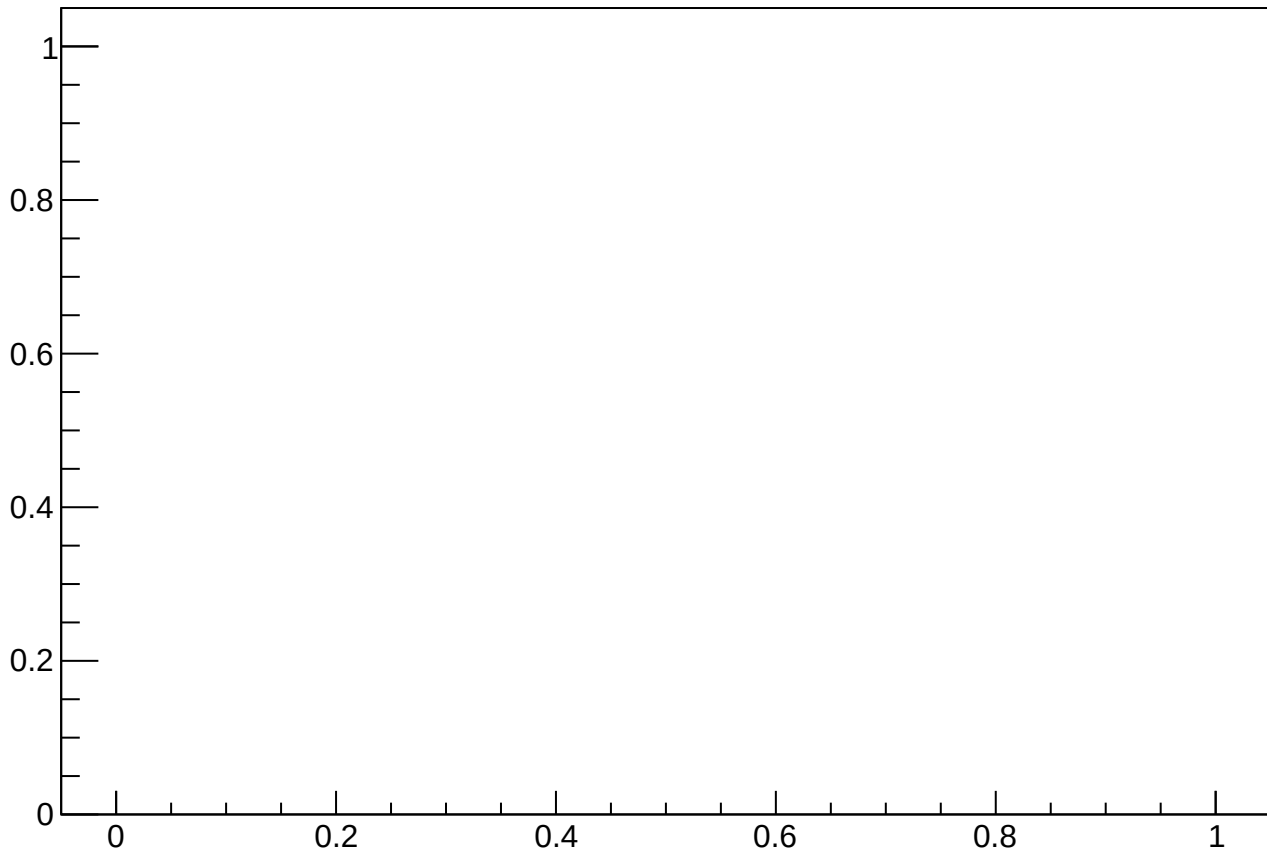
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

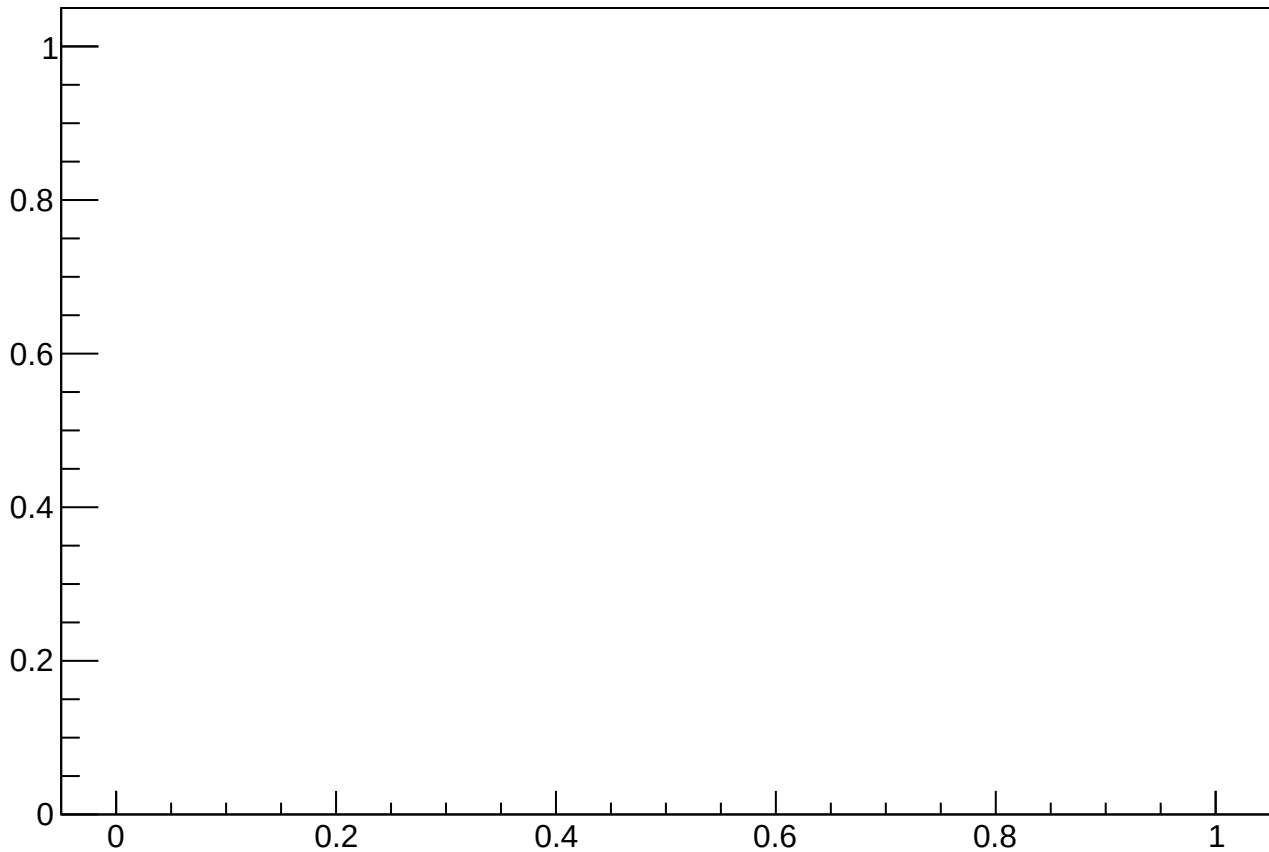
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

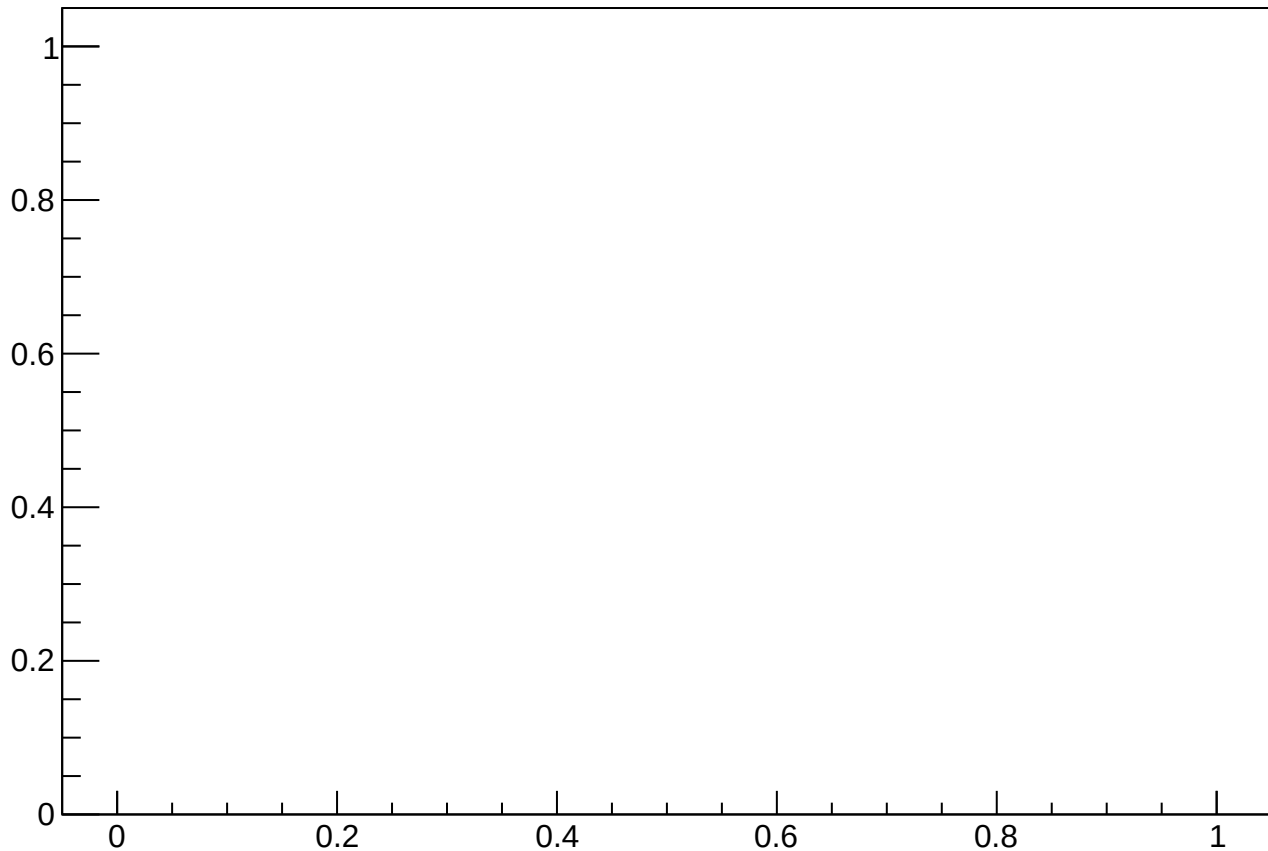
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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+/-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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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

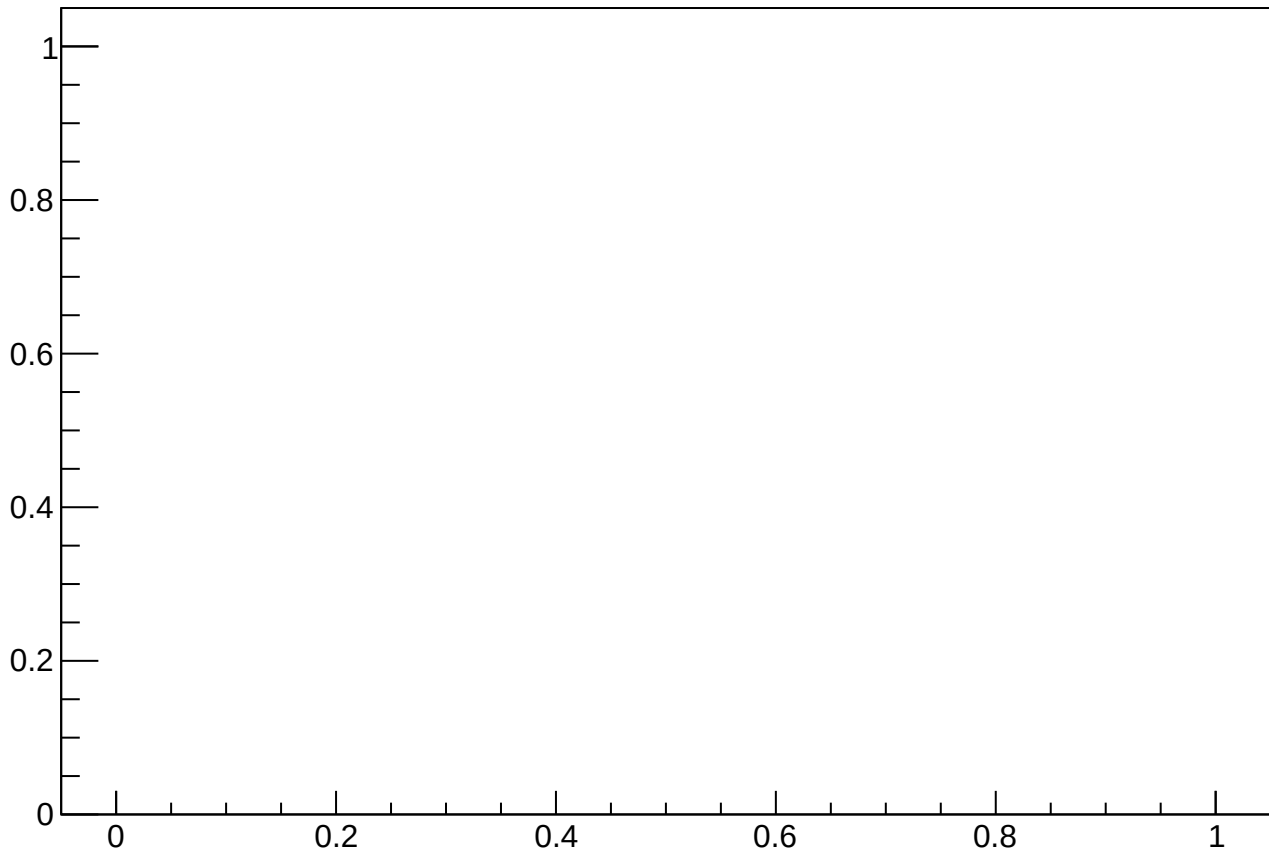
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



dit\_11X12X\_coil4\_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

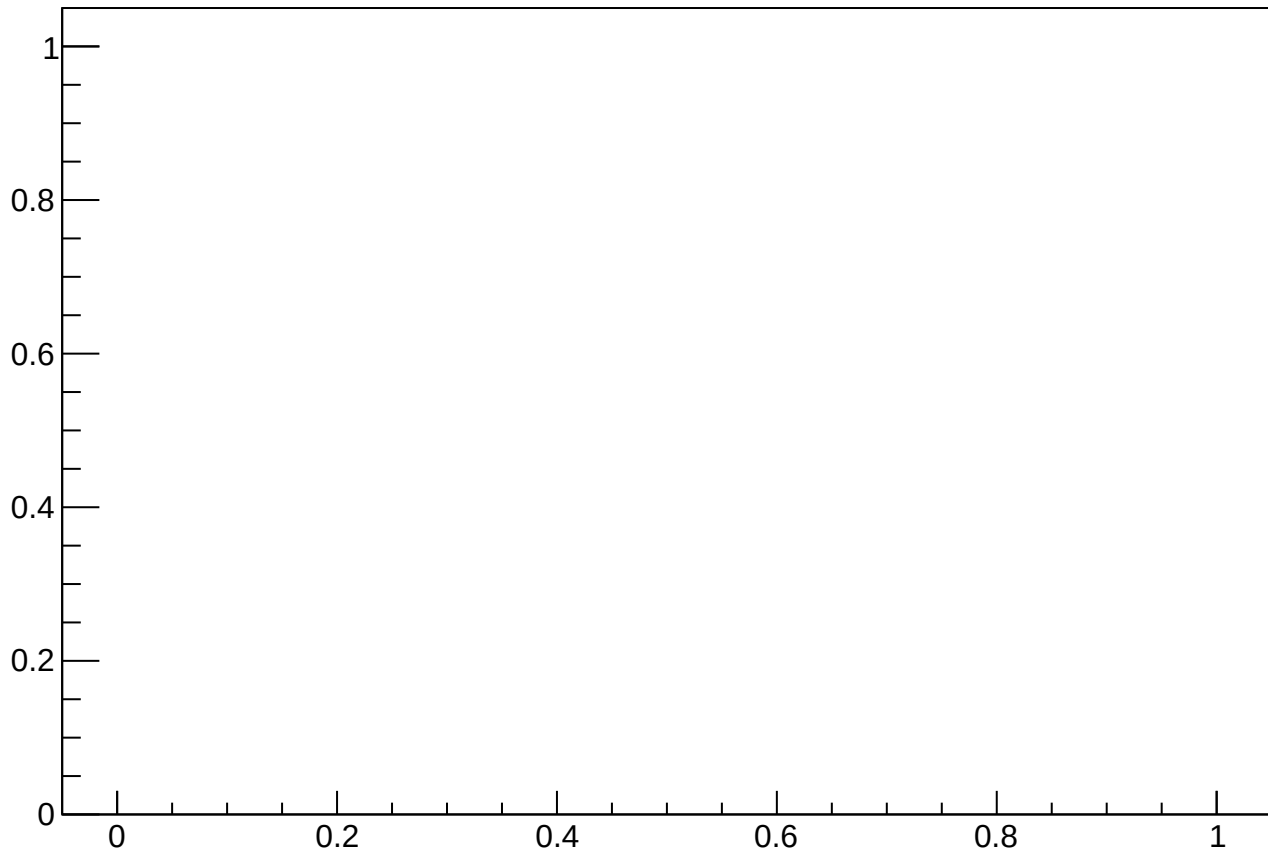
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ 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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil4\_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

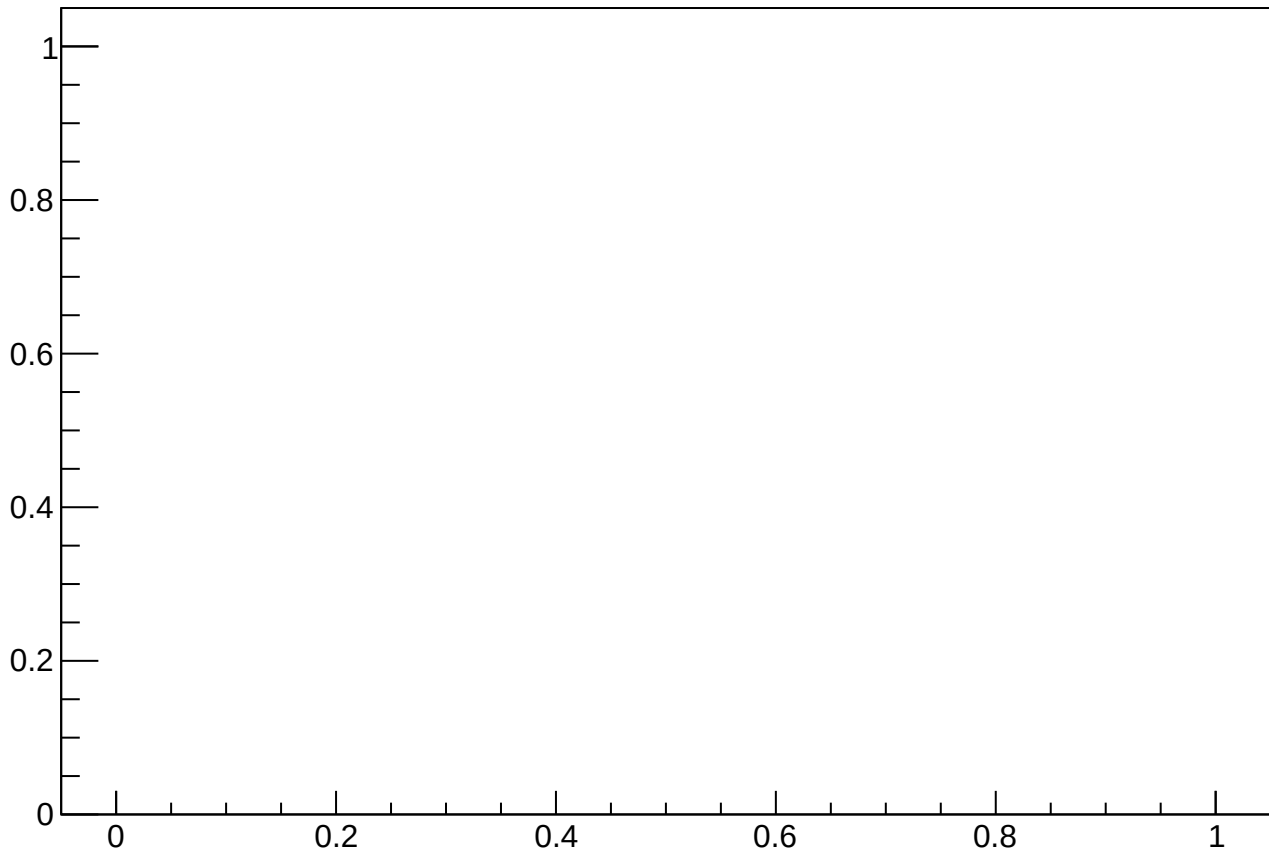
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

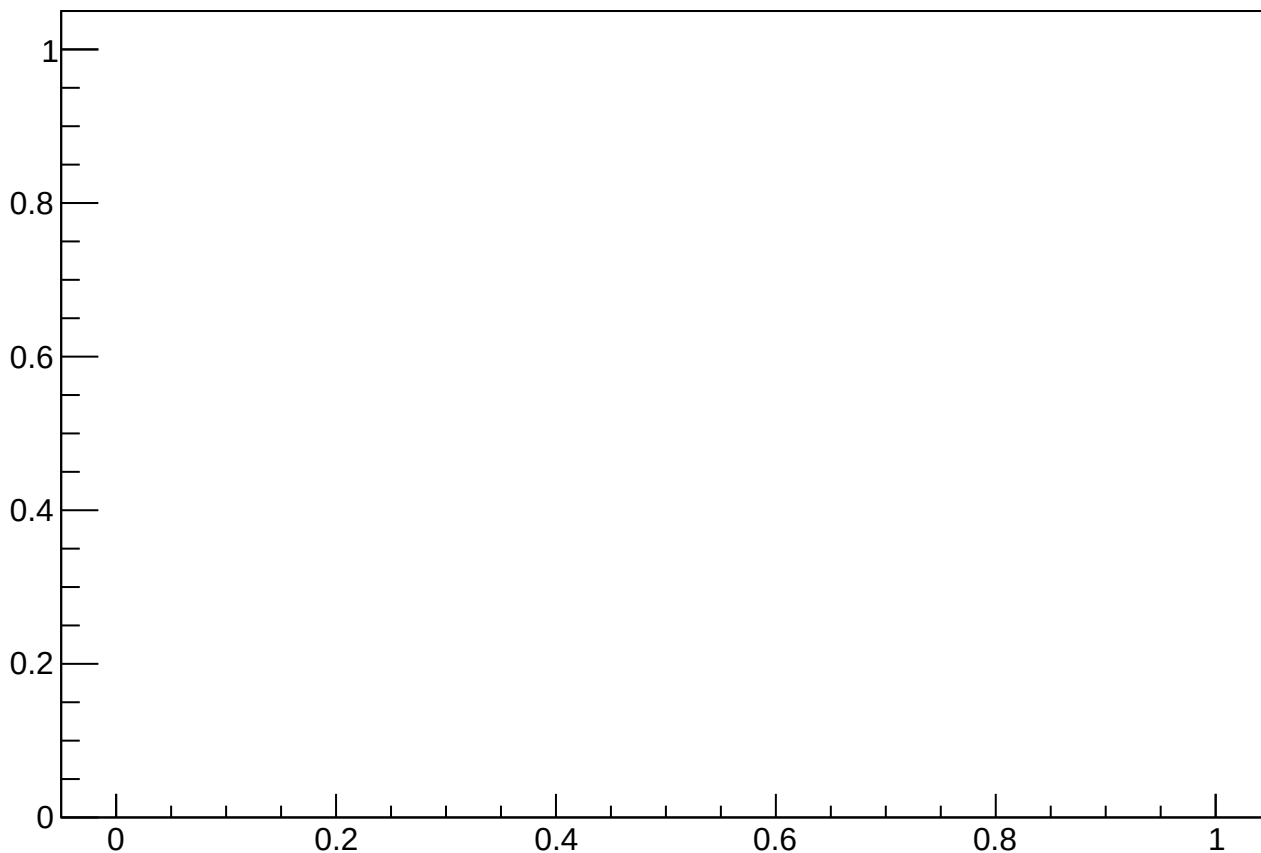
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

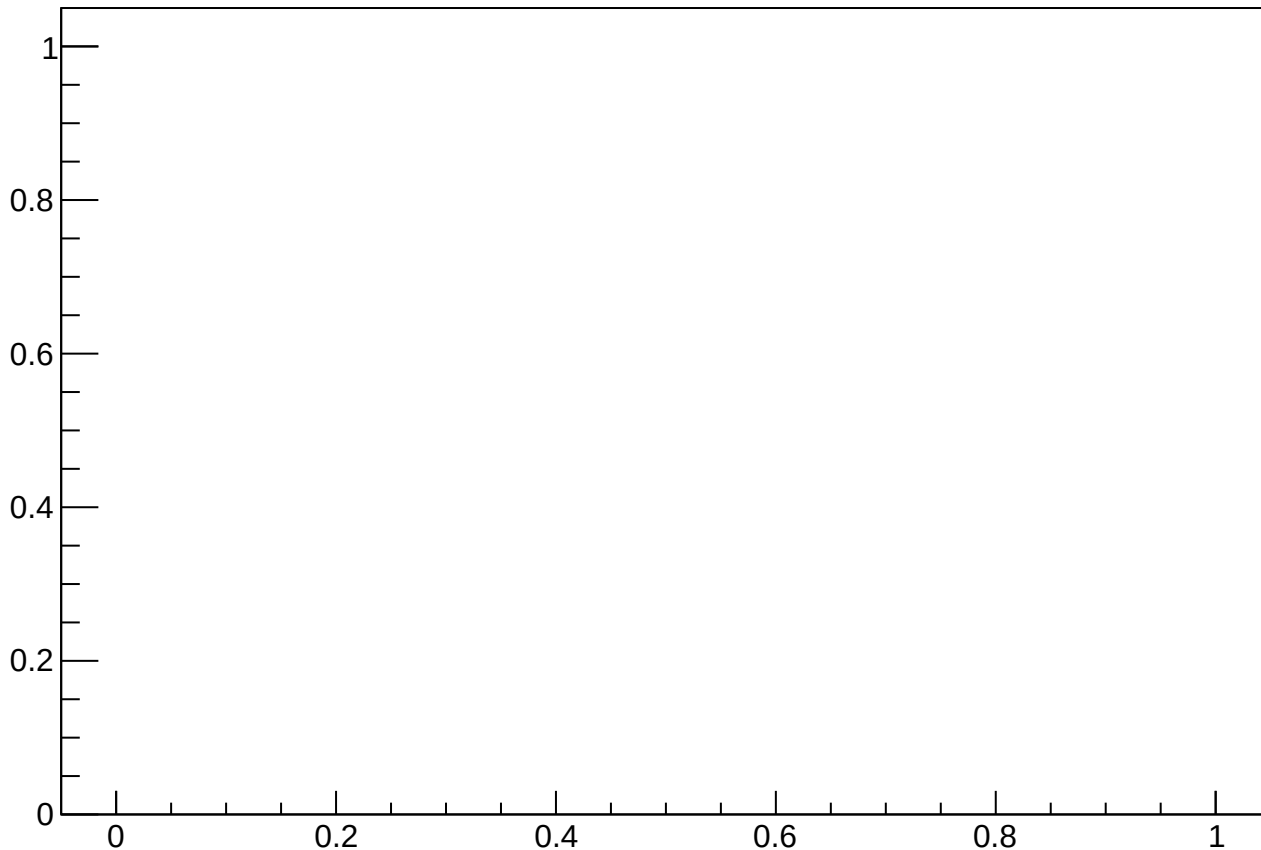
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

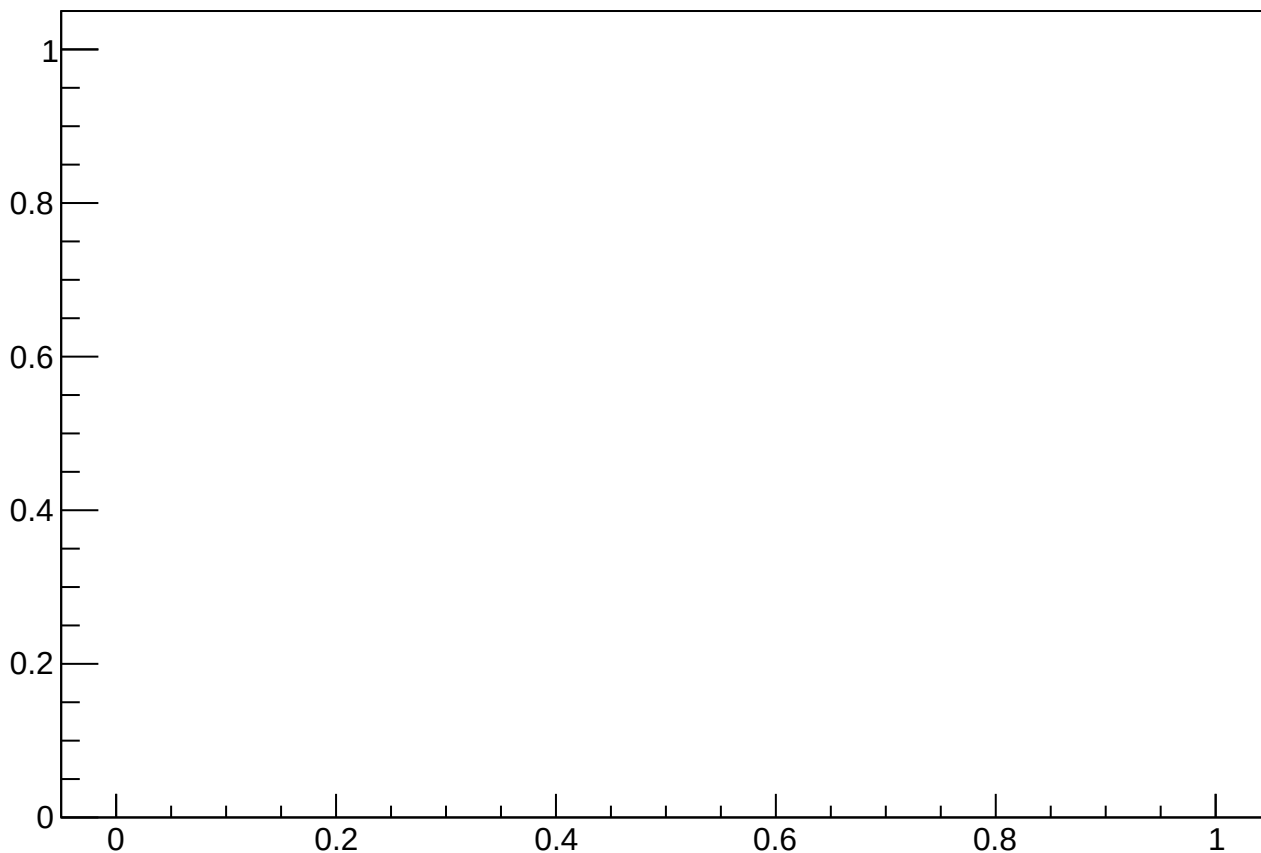
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_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

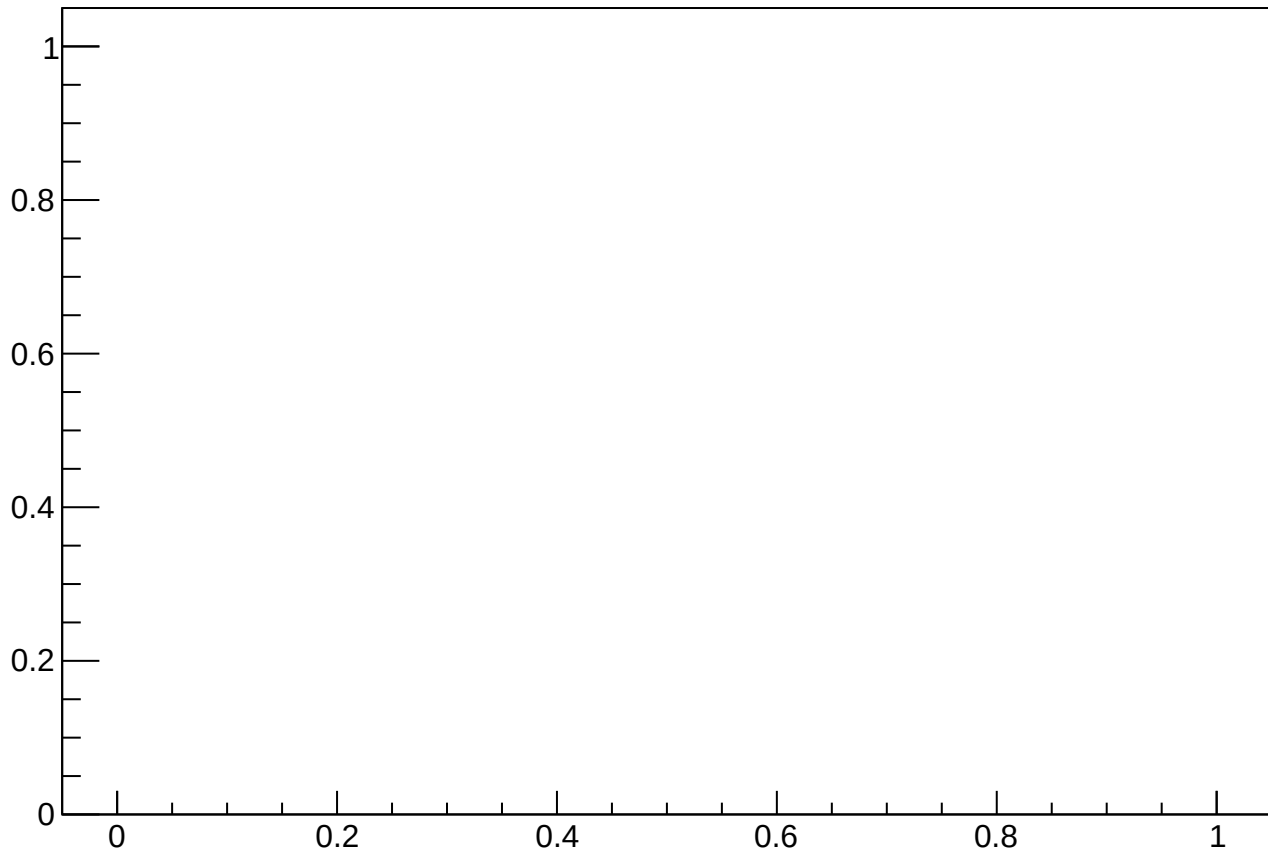
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

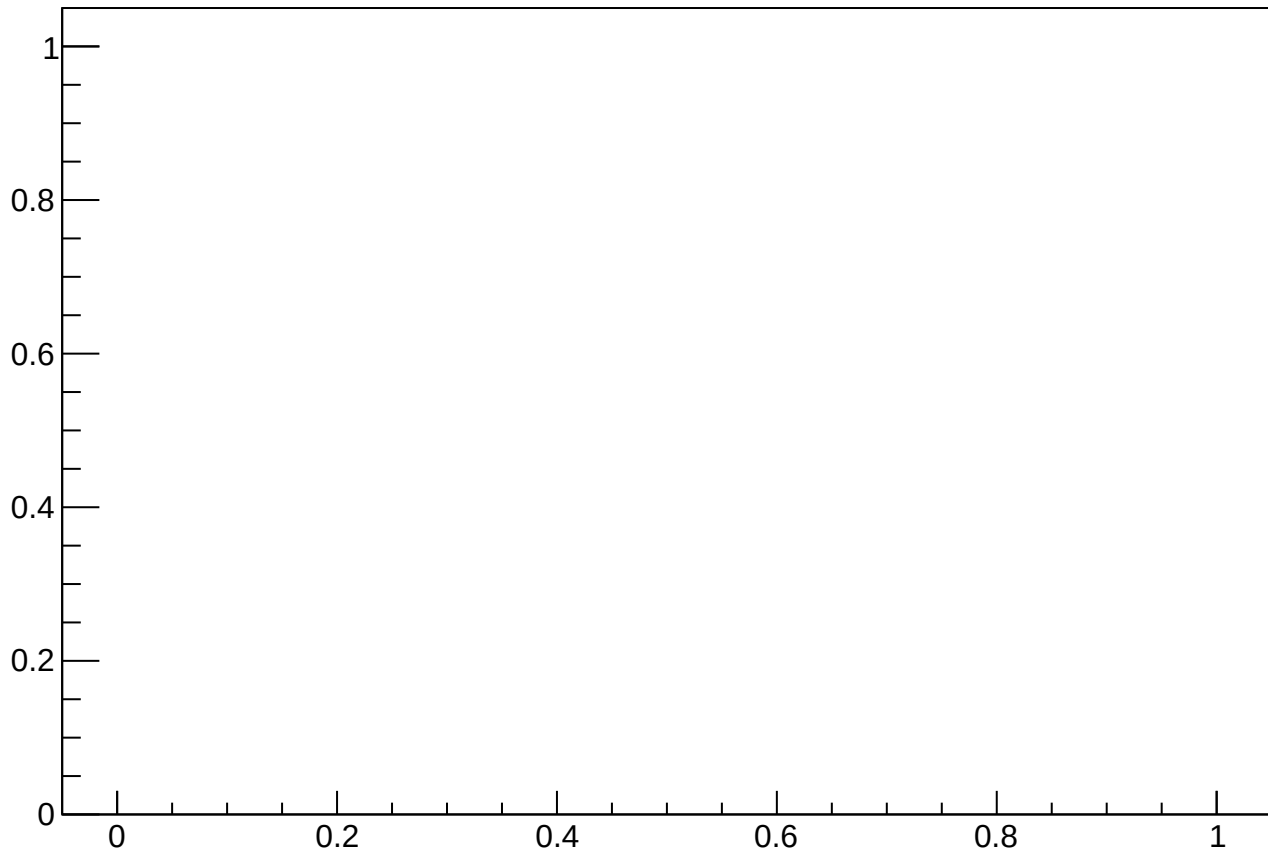
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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

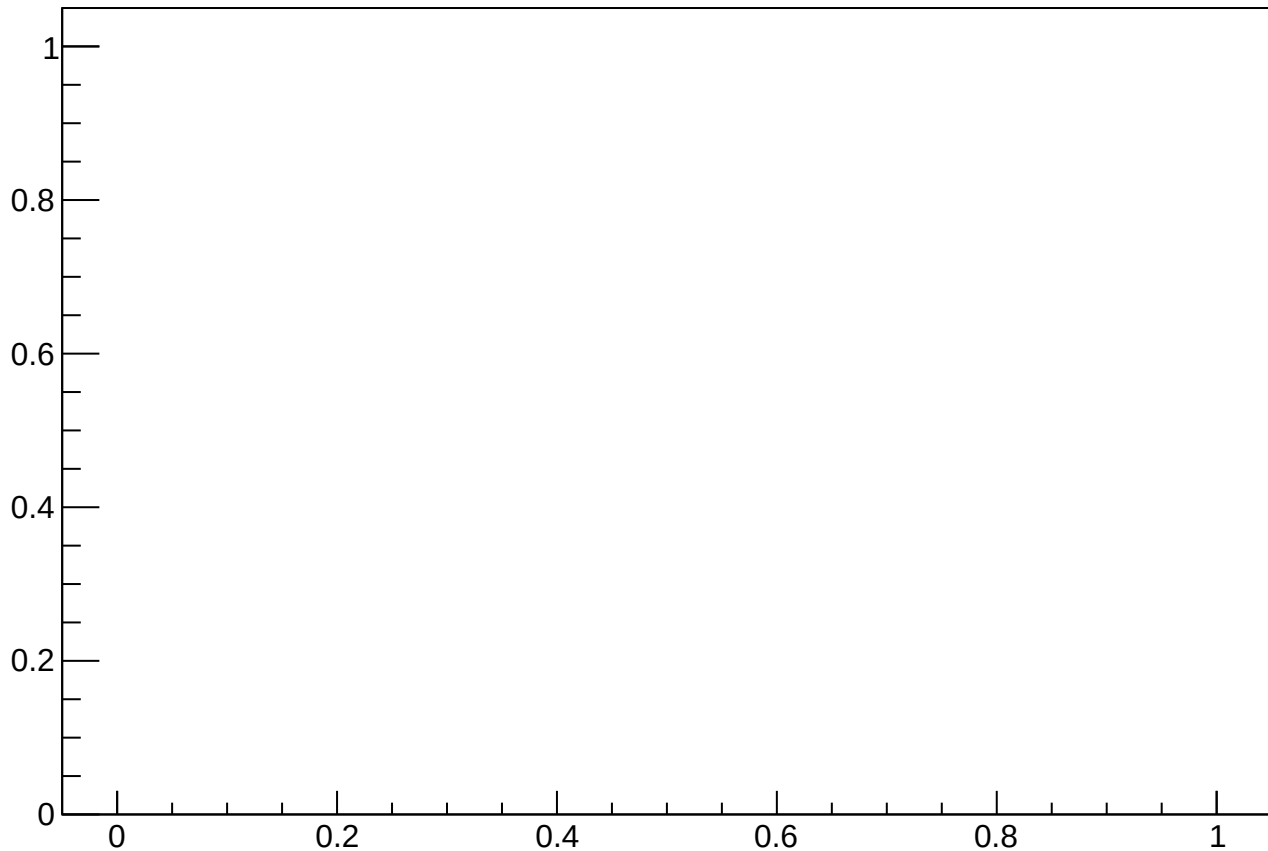
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam7\_coil4\_err\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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

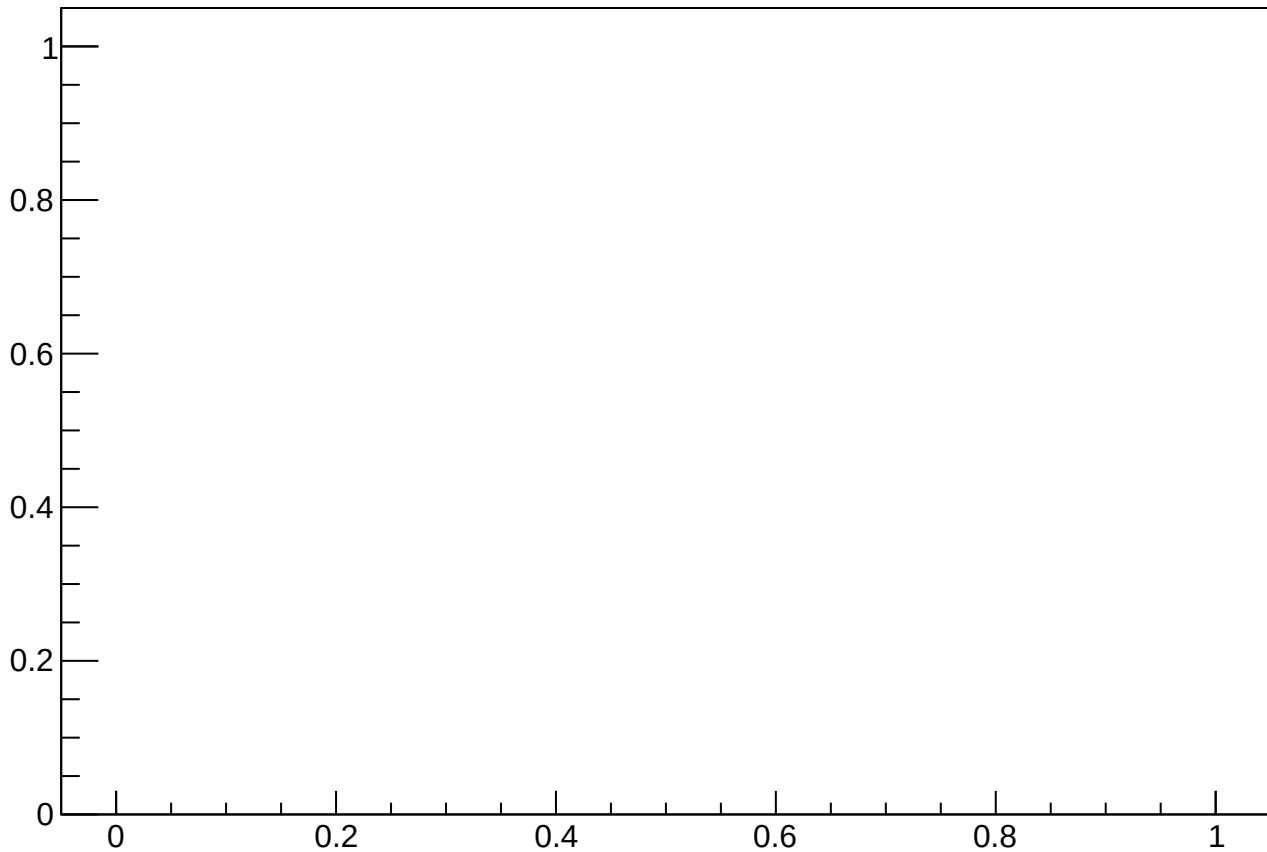
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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

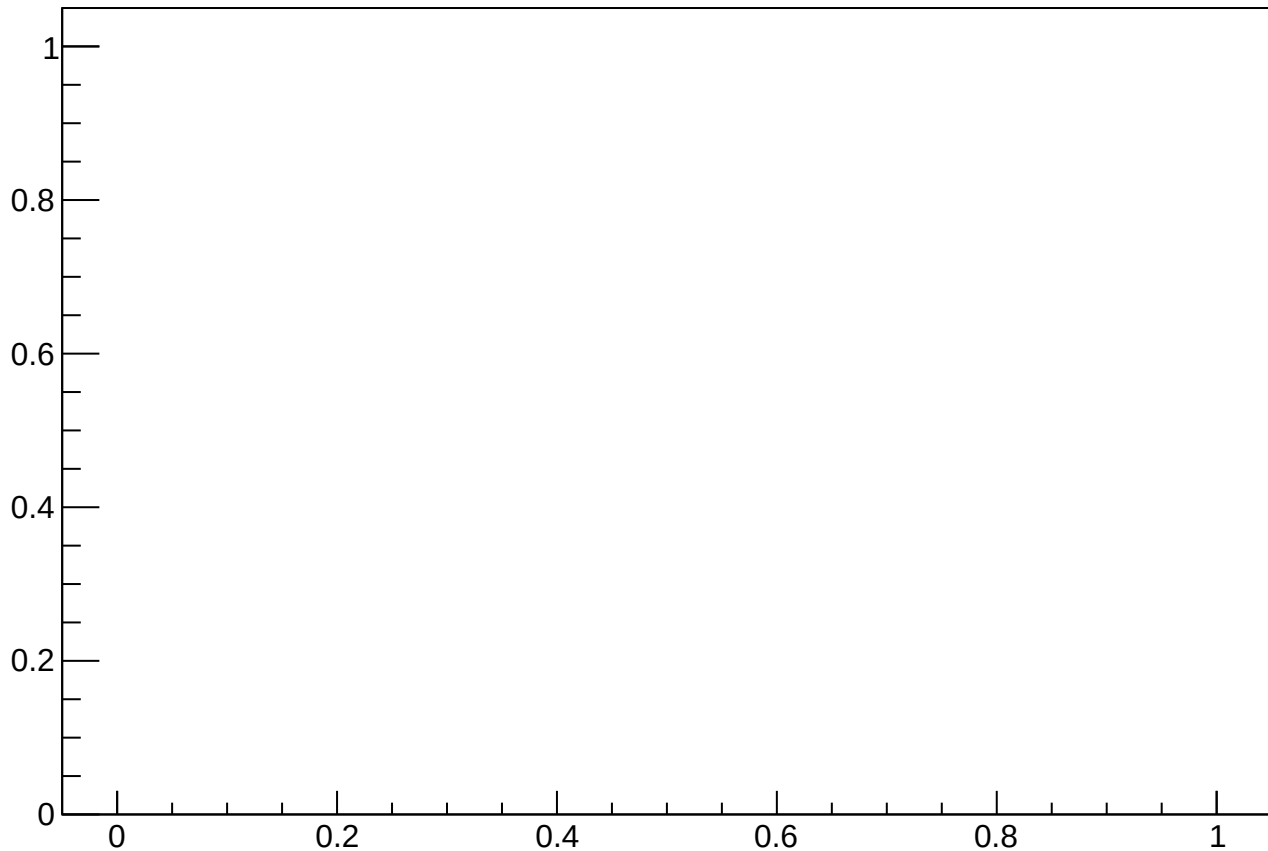
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

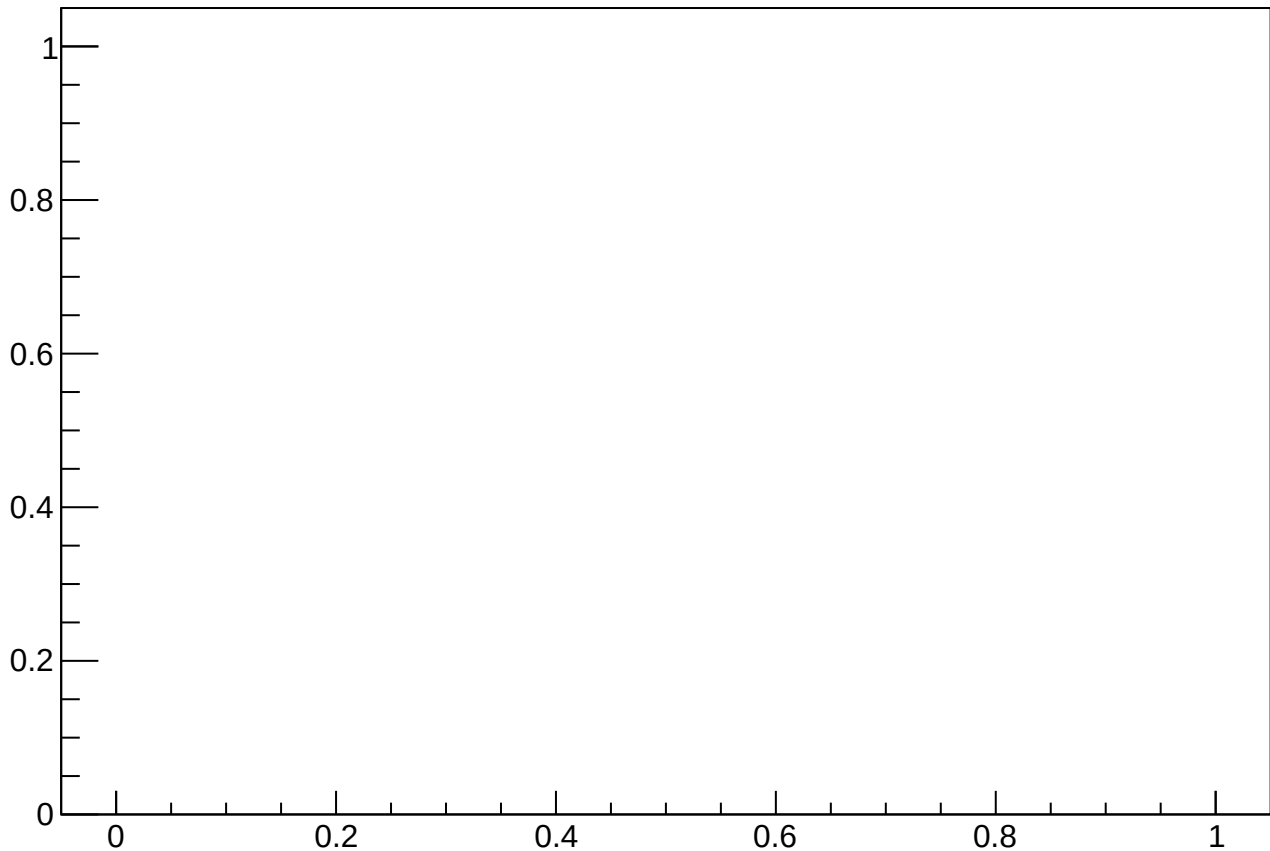
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ 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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil6\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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

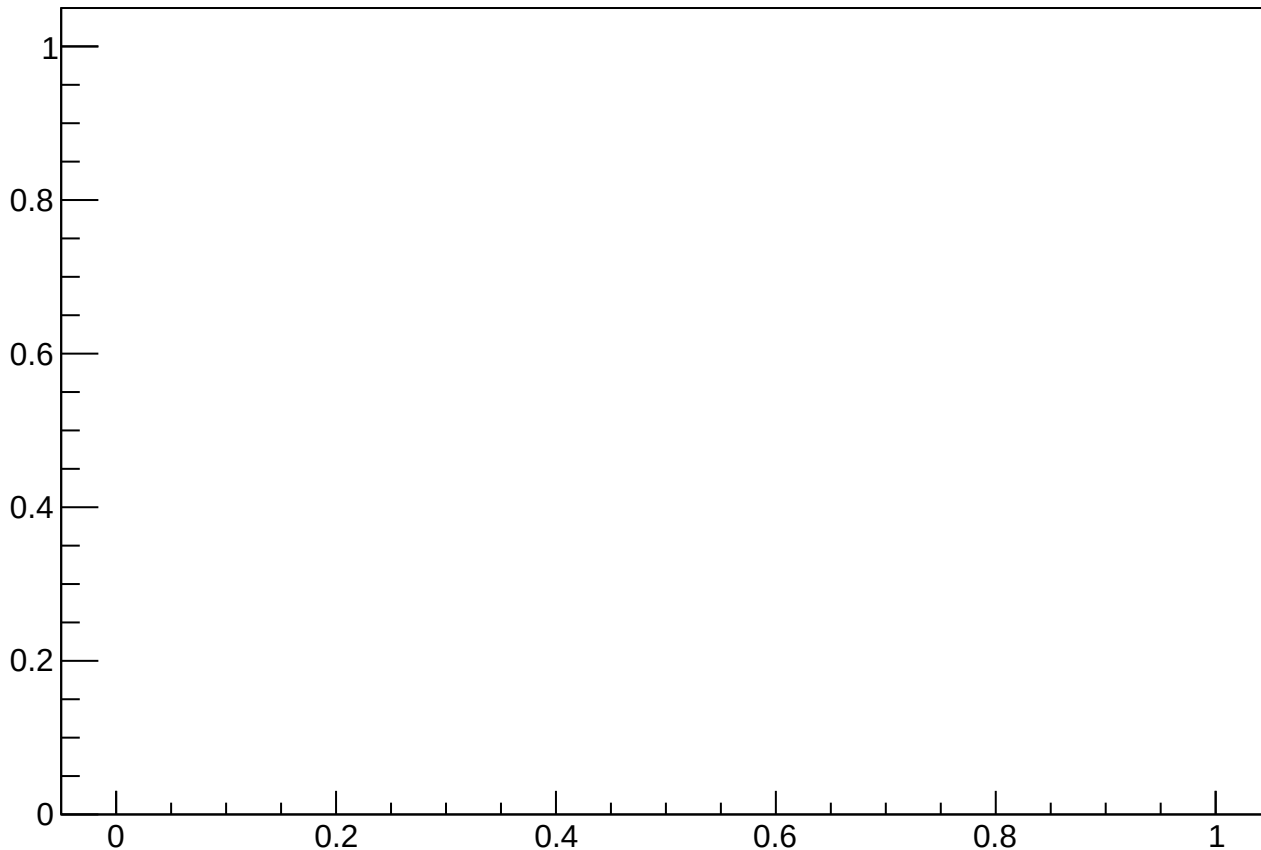
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

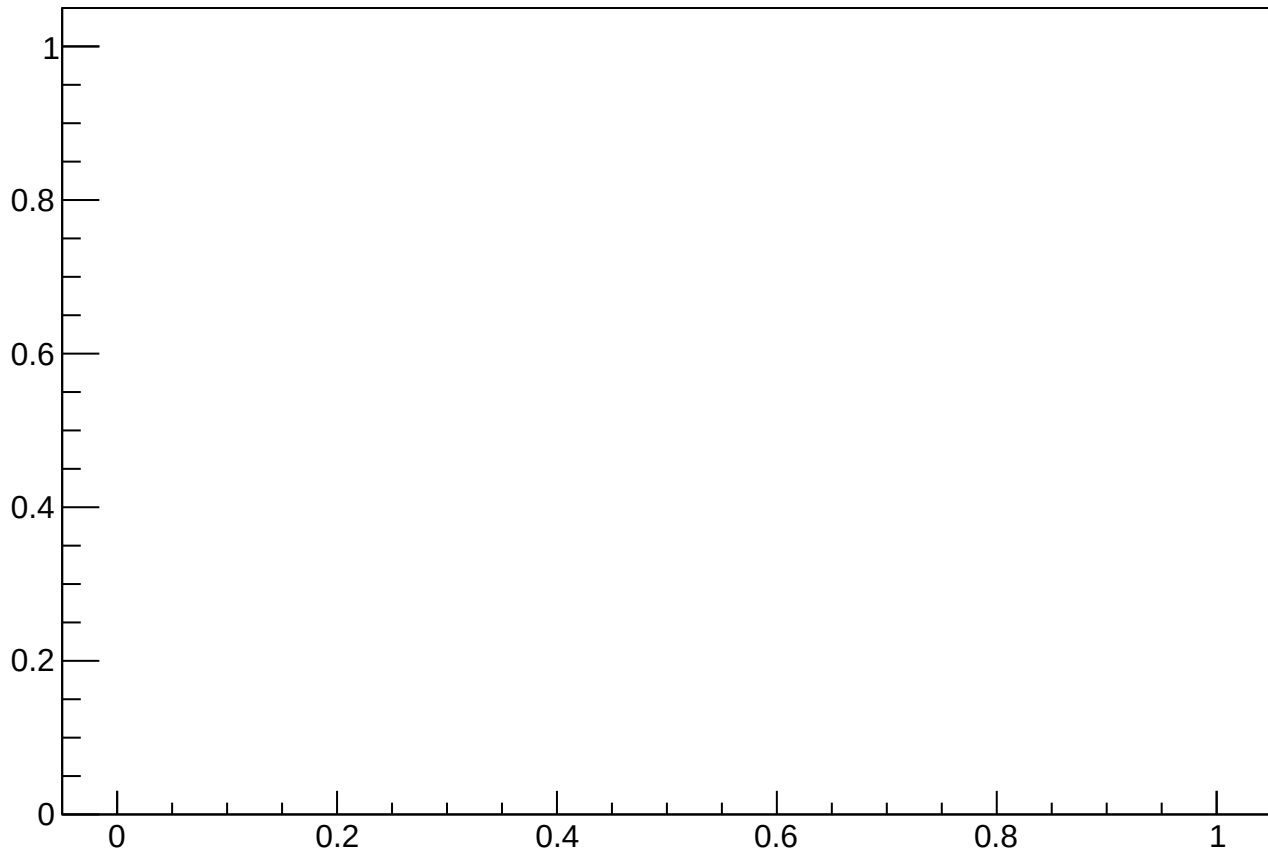
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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\_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\_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+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

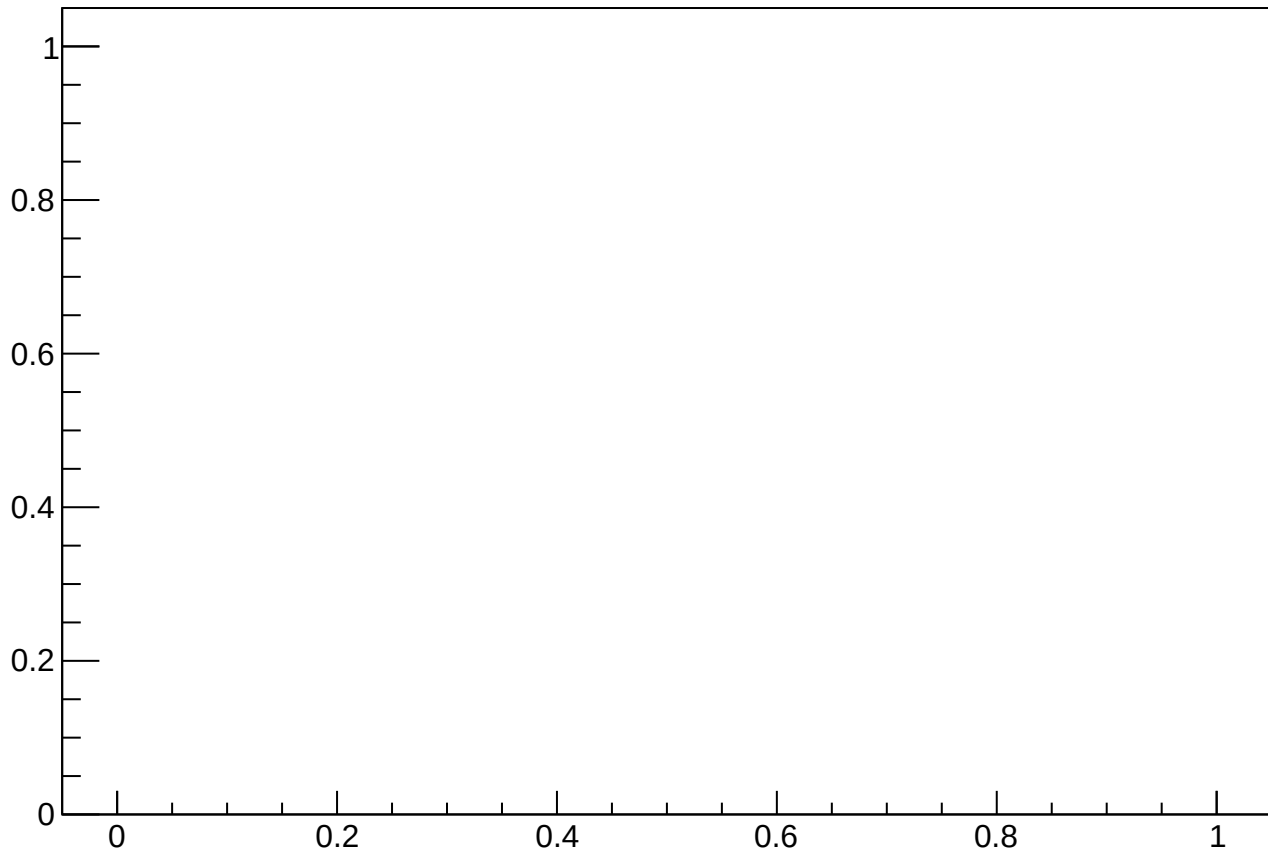
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

dit\_sam8\_coil6\_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\_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

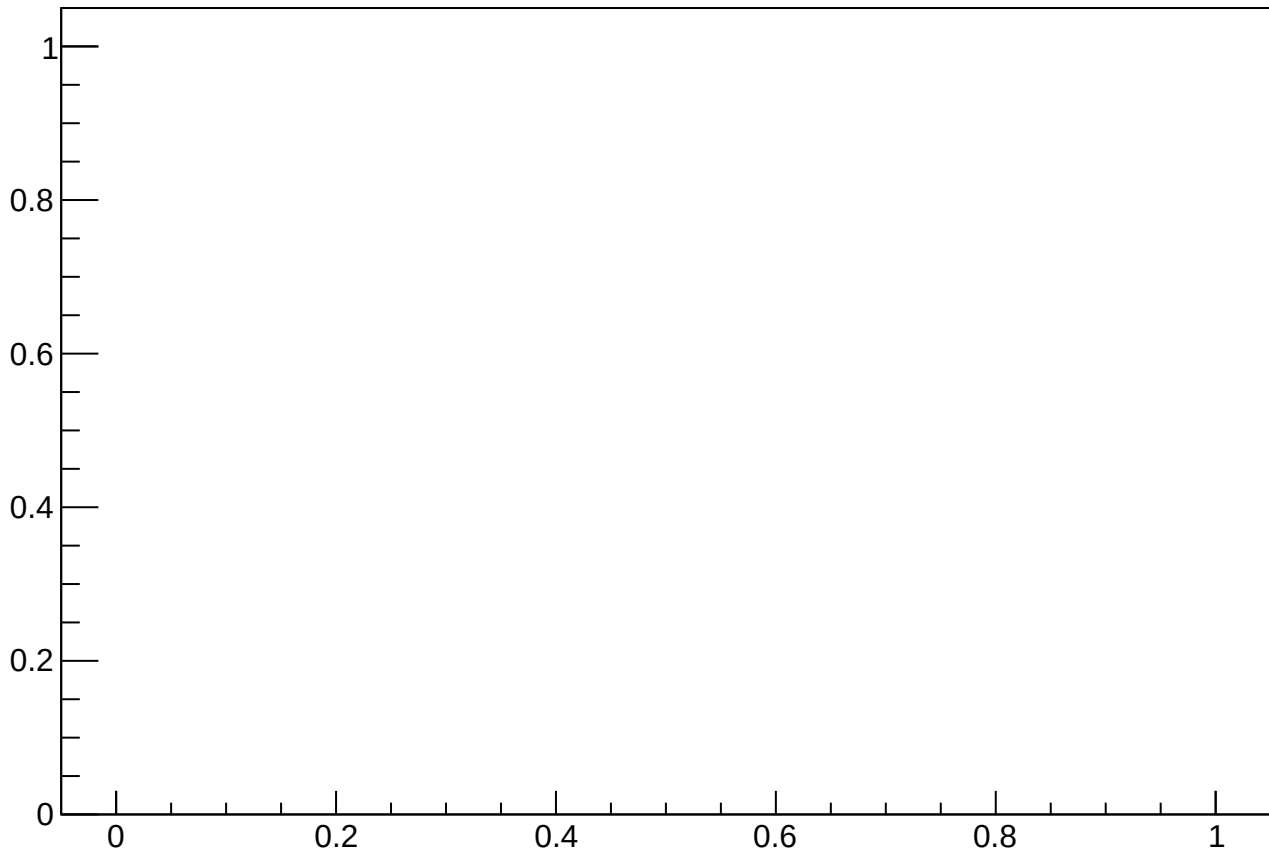
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ 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

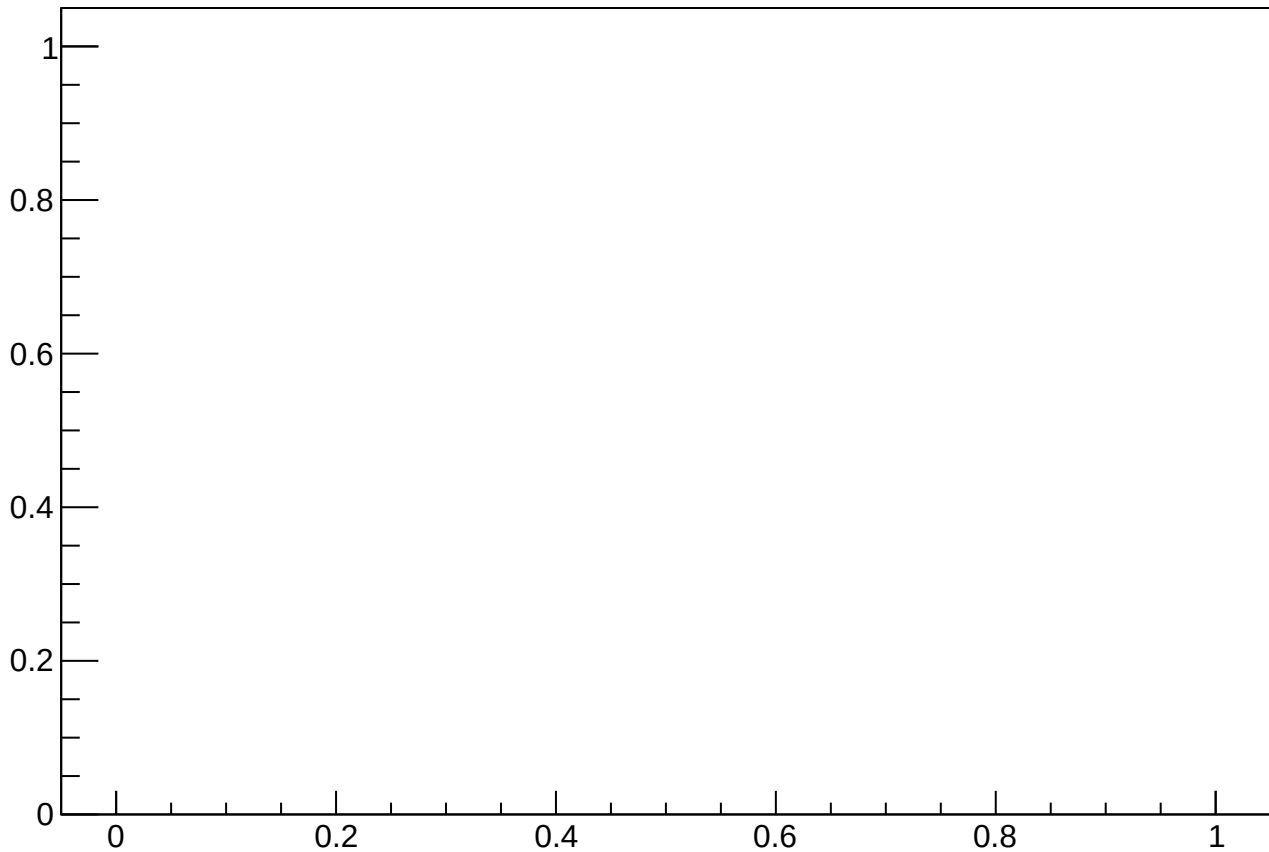
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ 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

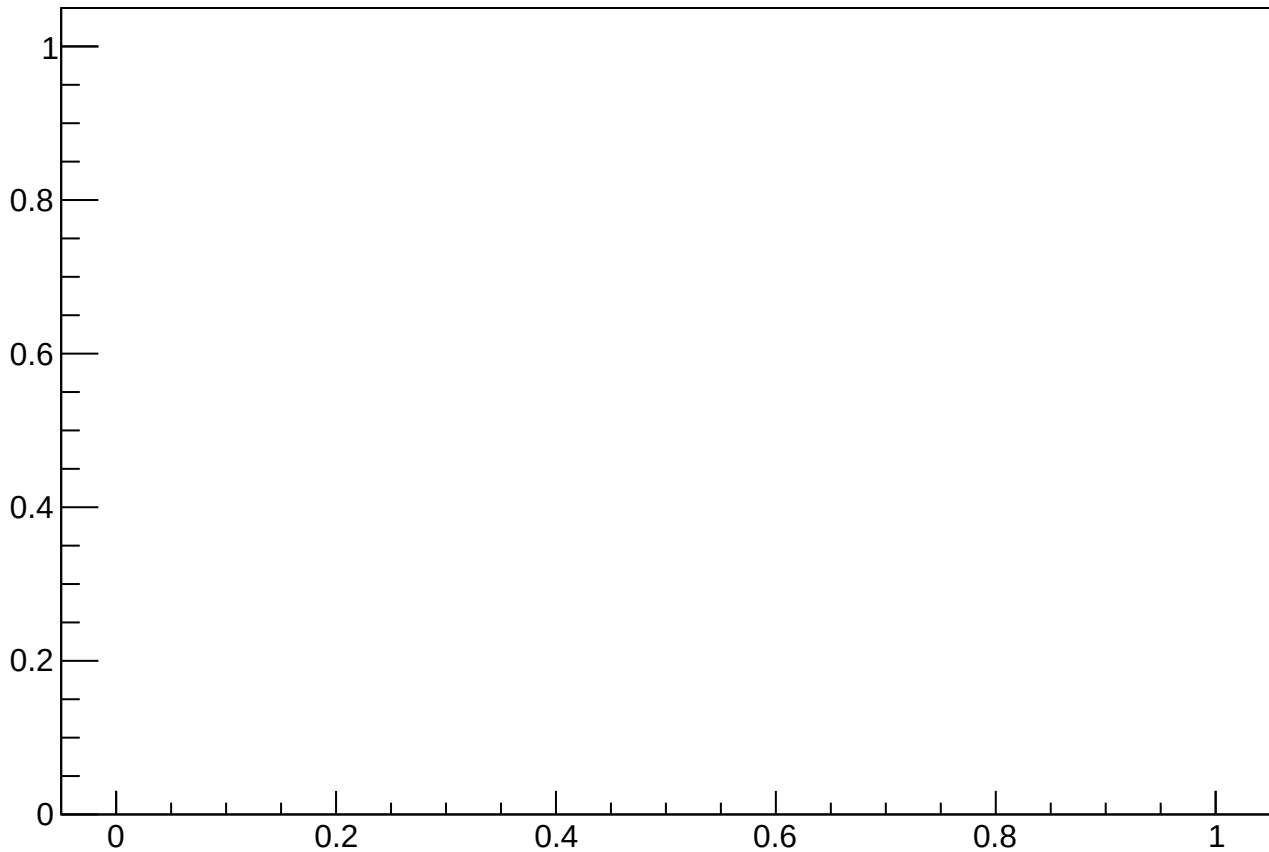
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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+/-0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

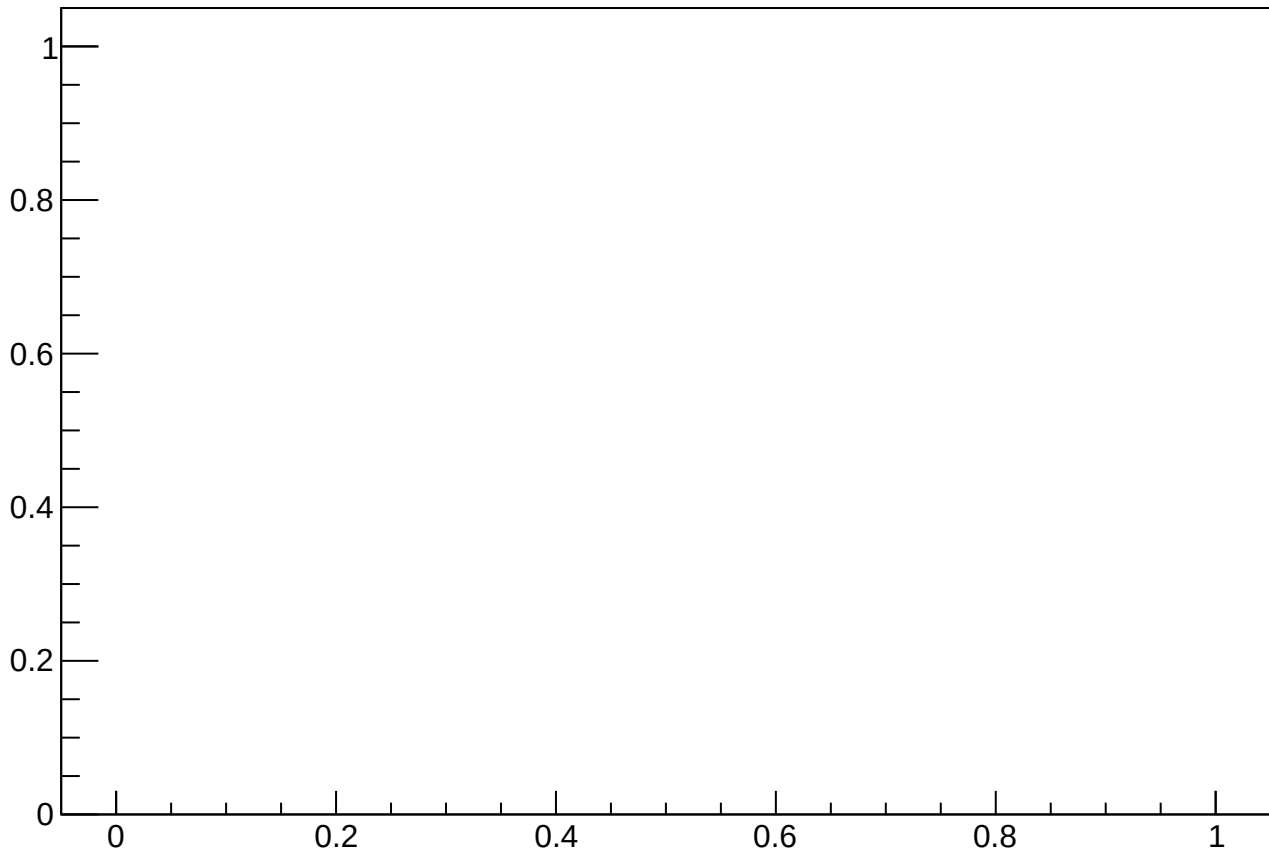
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_mean vs Slug



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

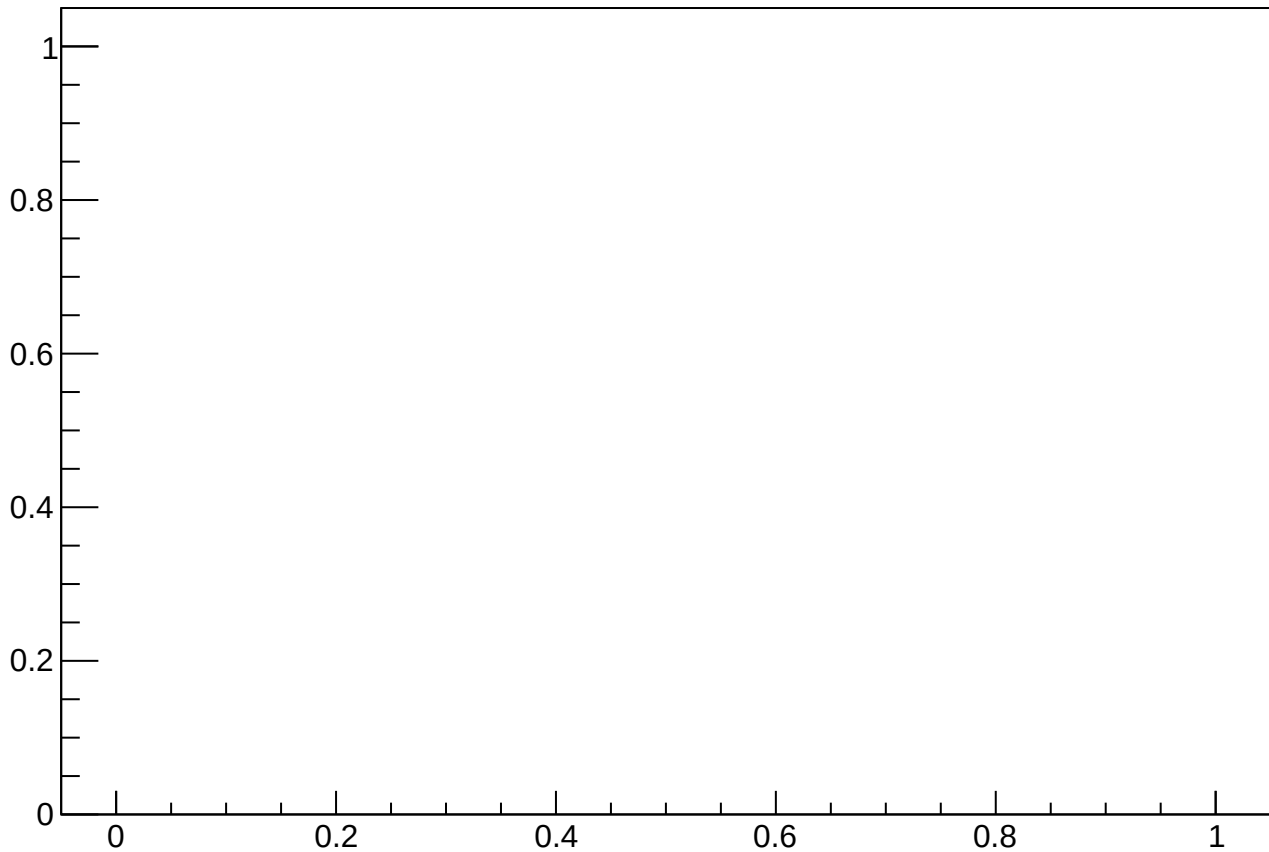
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 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 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

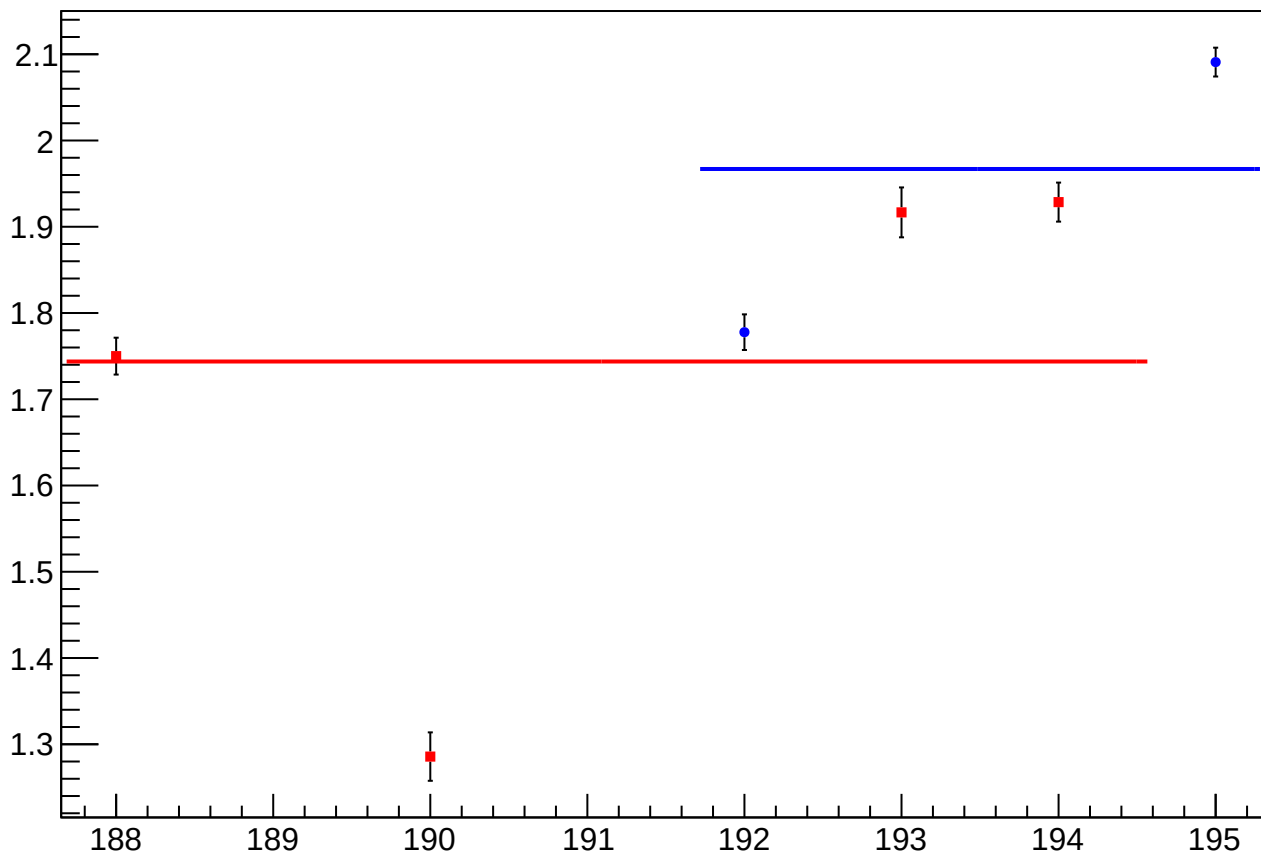
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 1.744 $\pm$ 0.012  $\chi^2$ /NDF: 368.8/3

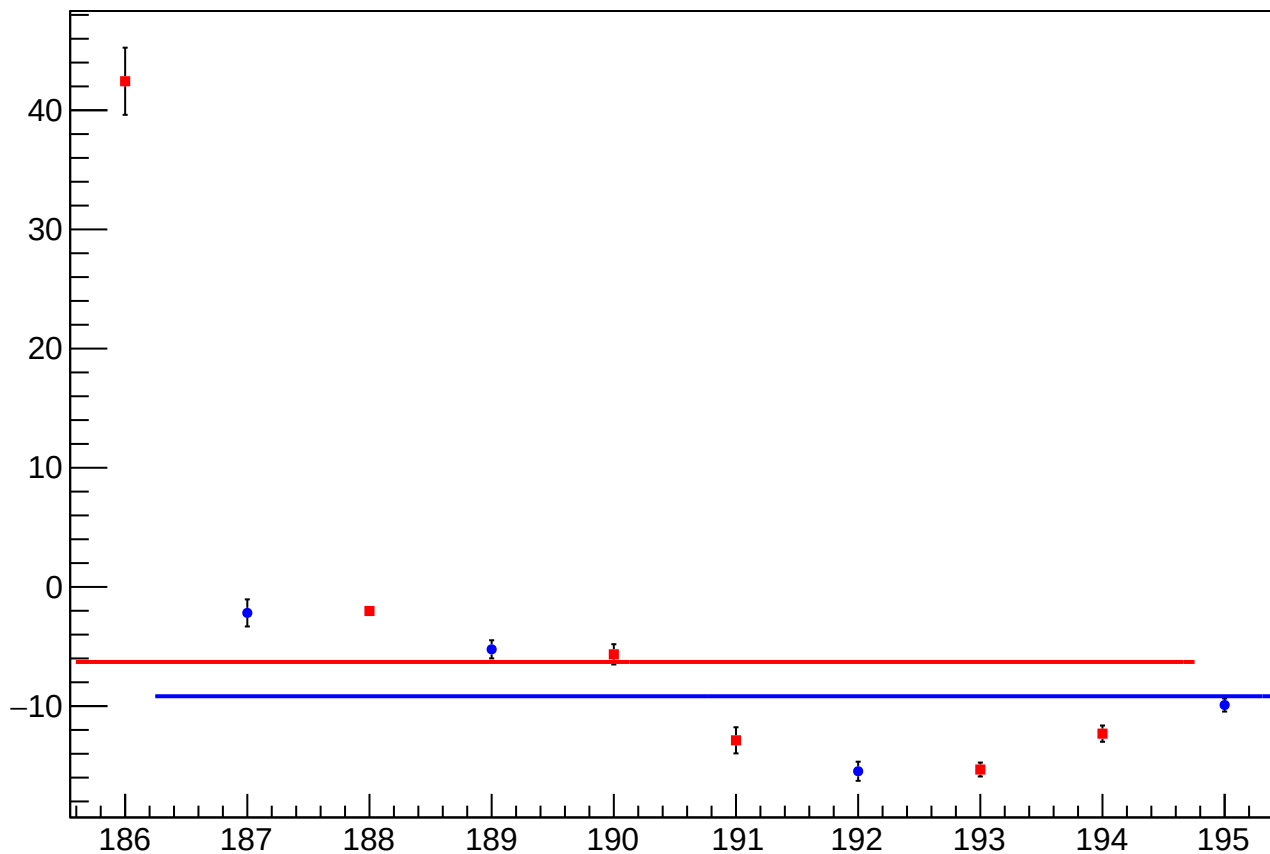
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.849 $\pm$ 0.009  $\chi^2$ /NDF: 663.2/5

- 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:  $-6.296 \pm 0.248$   $\chi^2/\text{NDF}$ : 814.4/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

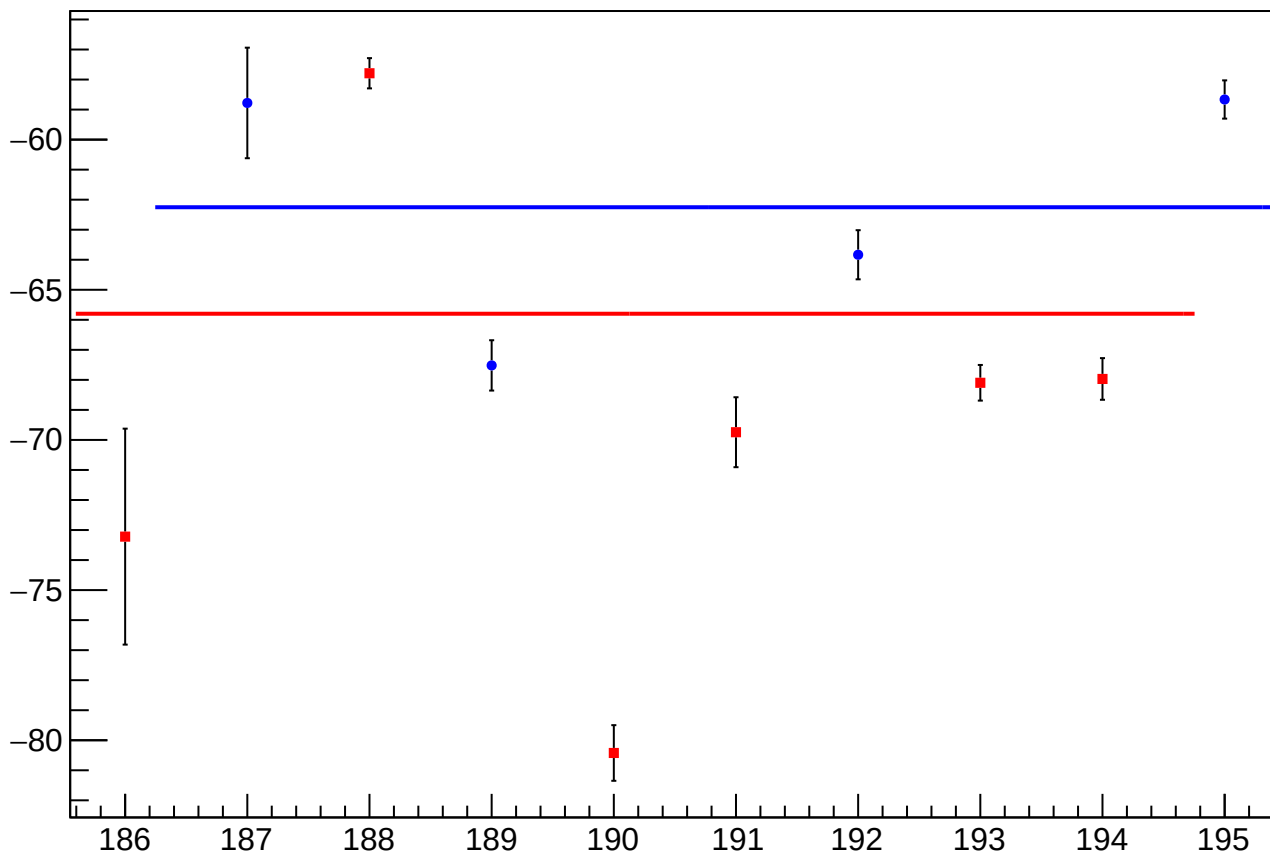
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-7.191 \pm 0.206$   $\chi^2/\text{NDF}$ : 984.5/9

- 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:  $-65.798 \pm 0.304$   $\chi^2/\text{NDF}$ : 542.6/5

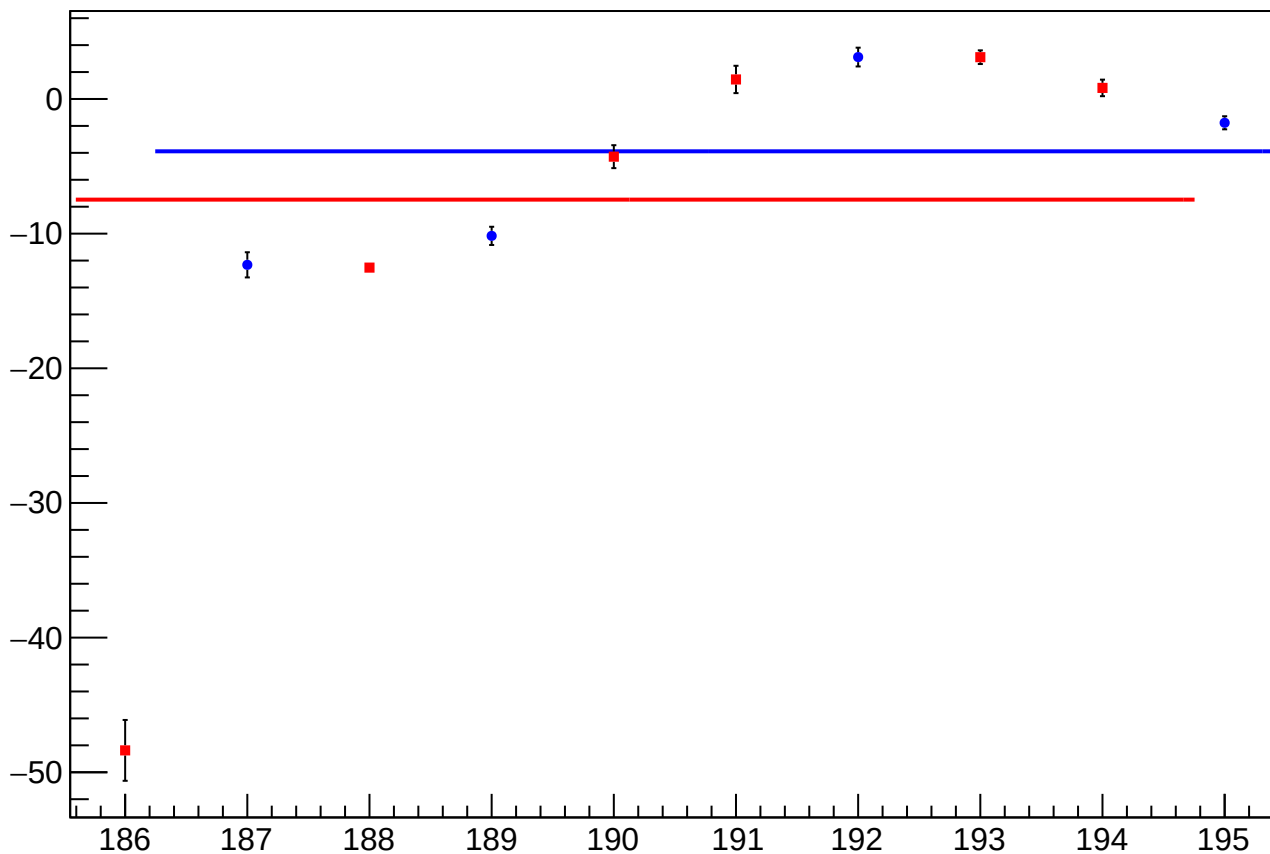
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-64.579 \pm 0.246$   $\chi^2/\text{NDF}$ : 668.0/9

- 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:  $-7.474 \pm 0.211$   $\chi^2/\text{NDF}$ : 1378.6/5

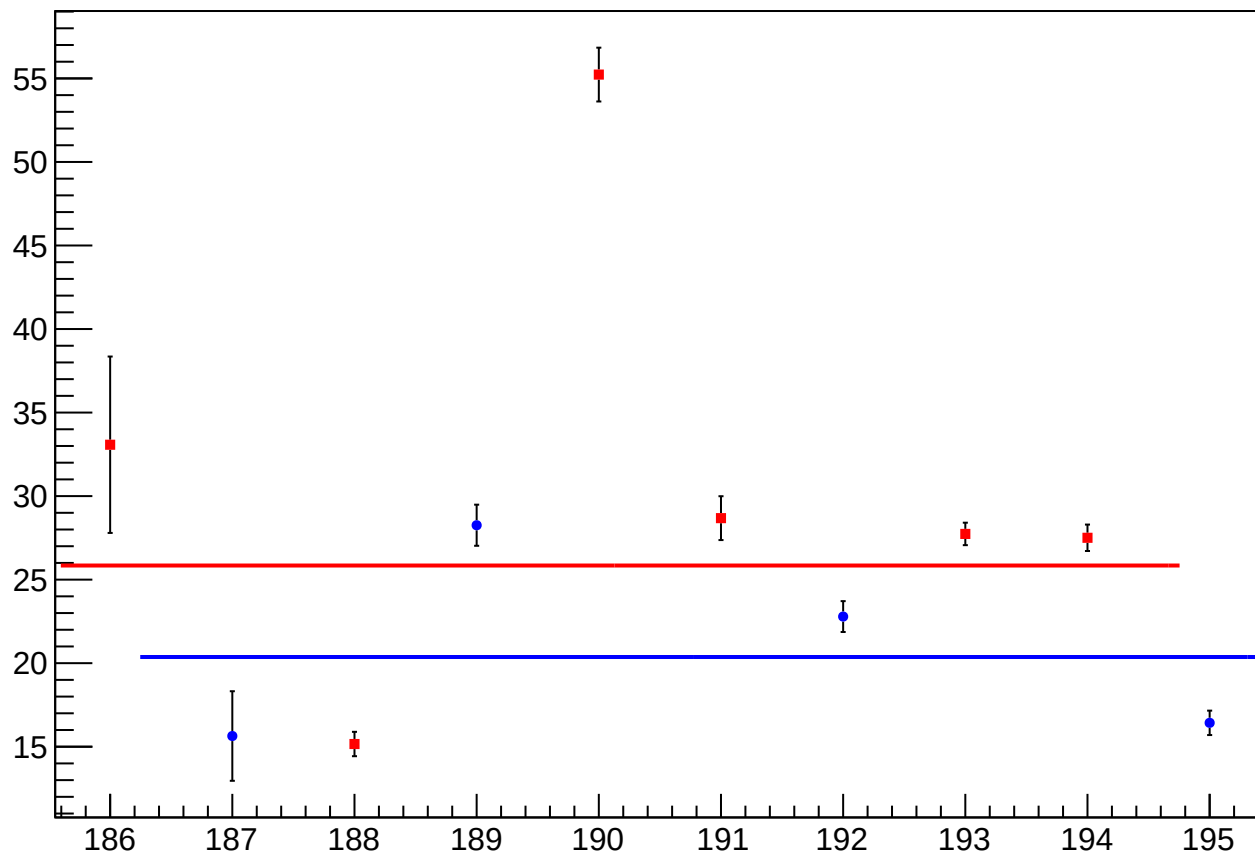
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-6.400 \pm 0.176$   $\chi^2/\text{NDF}$ : 1752.6/9

- 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+/-0.510  $\chi^2/\text{NDF}$ : 80.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 25.845+/-0.387  $\chi^2/\text{NDF}$ : 566.2/5

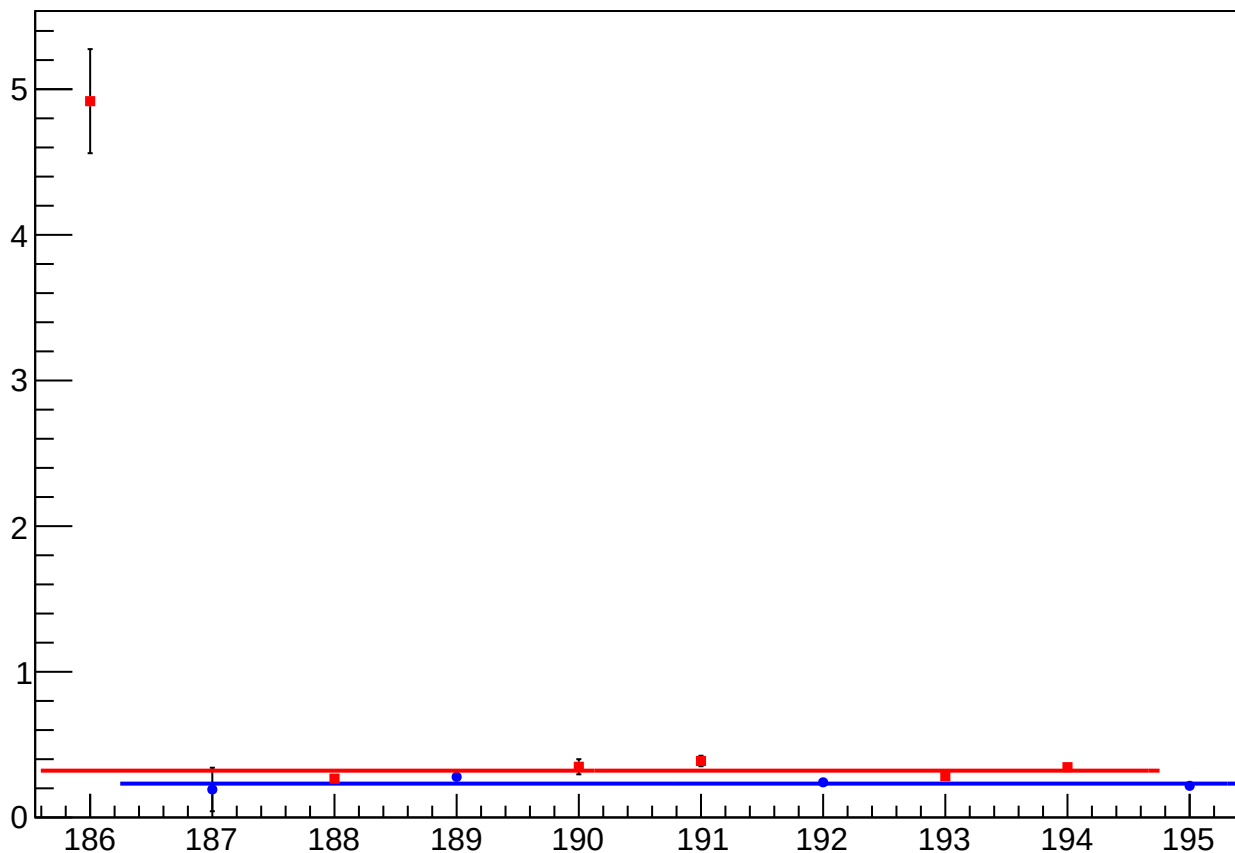
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 23.847+/-0.308  $\chi^2/\text{NDF}$ : 719.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug



Right In: 0.232 $\pm$ 0.016  $\chi^2$ /NDF: 1.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.321 $\pm$ 0.013  $\chi^2$ /NDF: 176.6/5

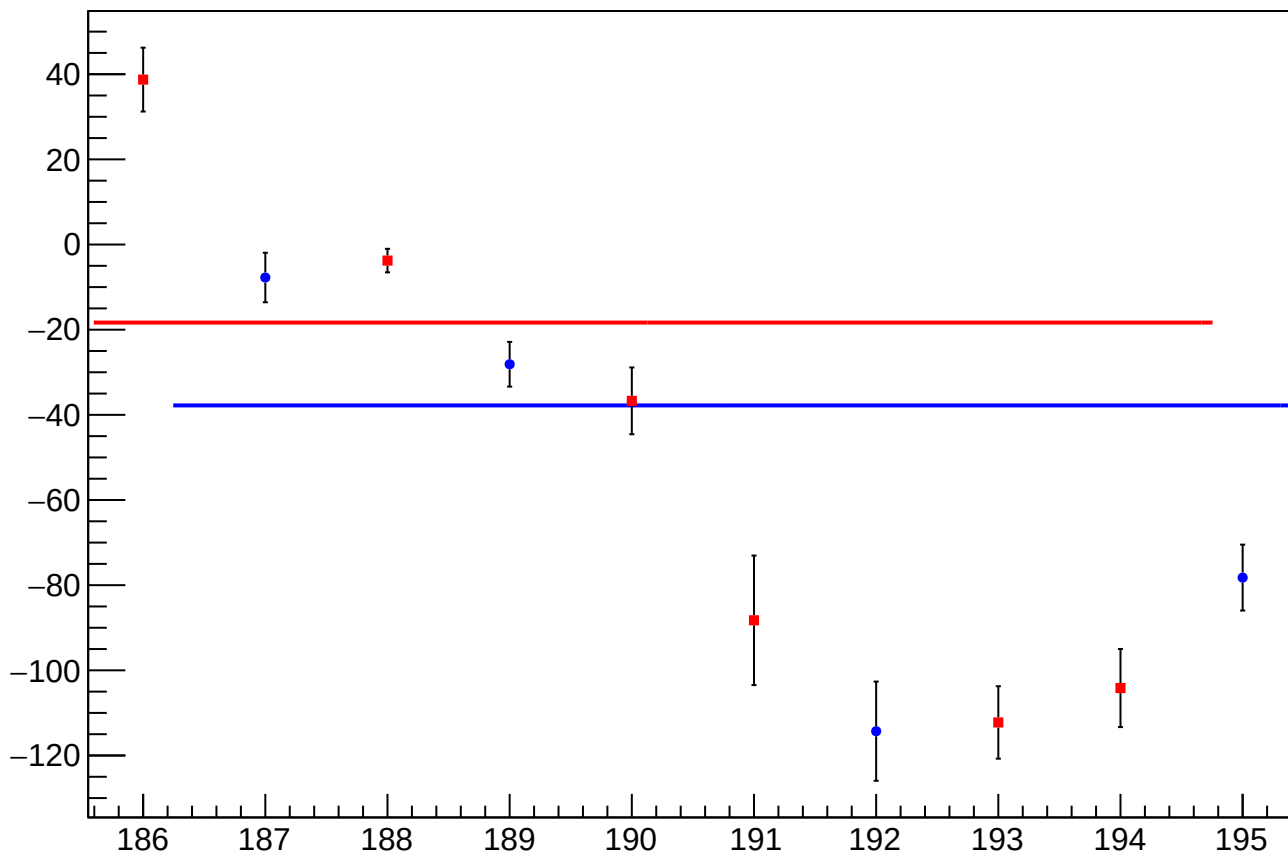
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.287 $\pm$ 0.010  $\chi^2$ /NDF: 197.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $-18.326 \pm 2.266$   $\chi^2/\text{NDF}$ : 321.6/5

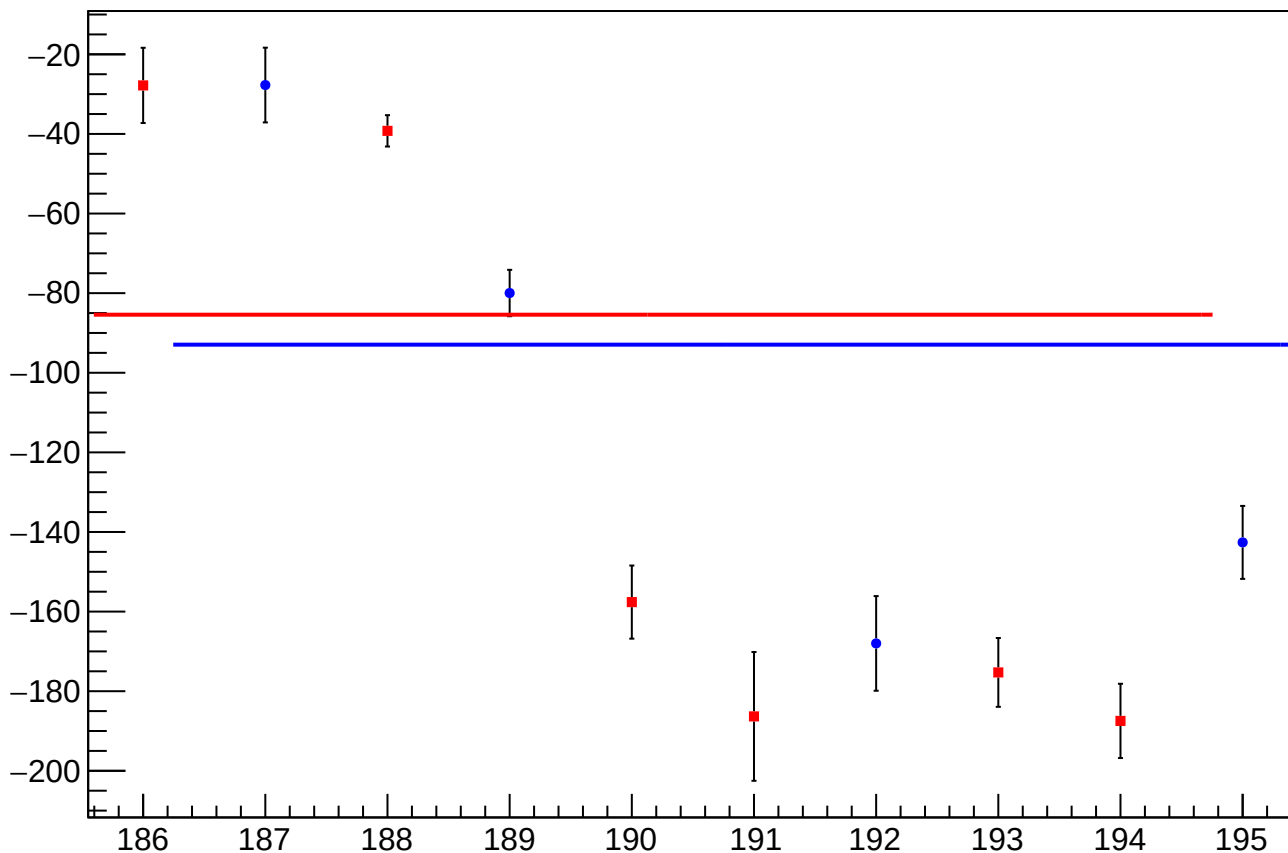
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-24.469 \pm 1.874$   $\chi^2/\text{NDF}$ : 445.3/9

- 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: -85.413 $\pm$ 2.935  $\chi^2$ /NDF: 502.9/5

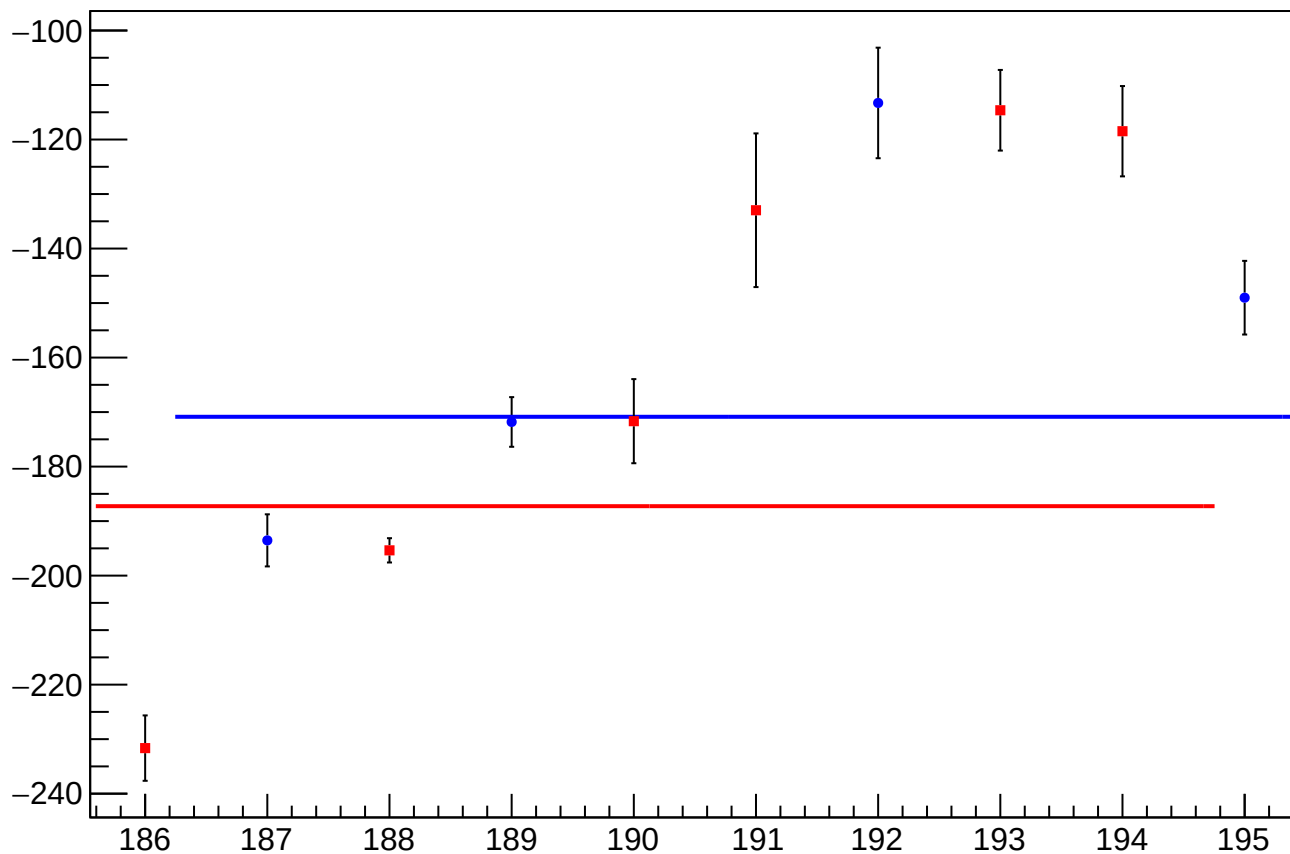
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -87.973 $\pm$ 2.384  $\chi^2$ /NDF: 627.6/9

- 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:  $-187.261 \pm 1.877$   $\chi^2/\text{NDF}$ : 252.2/5

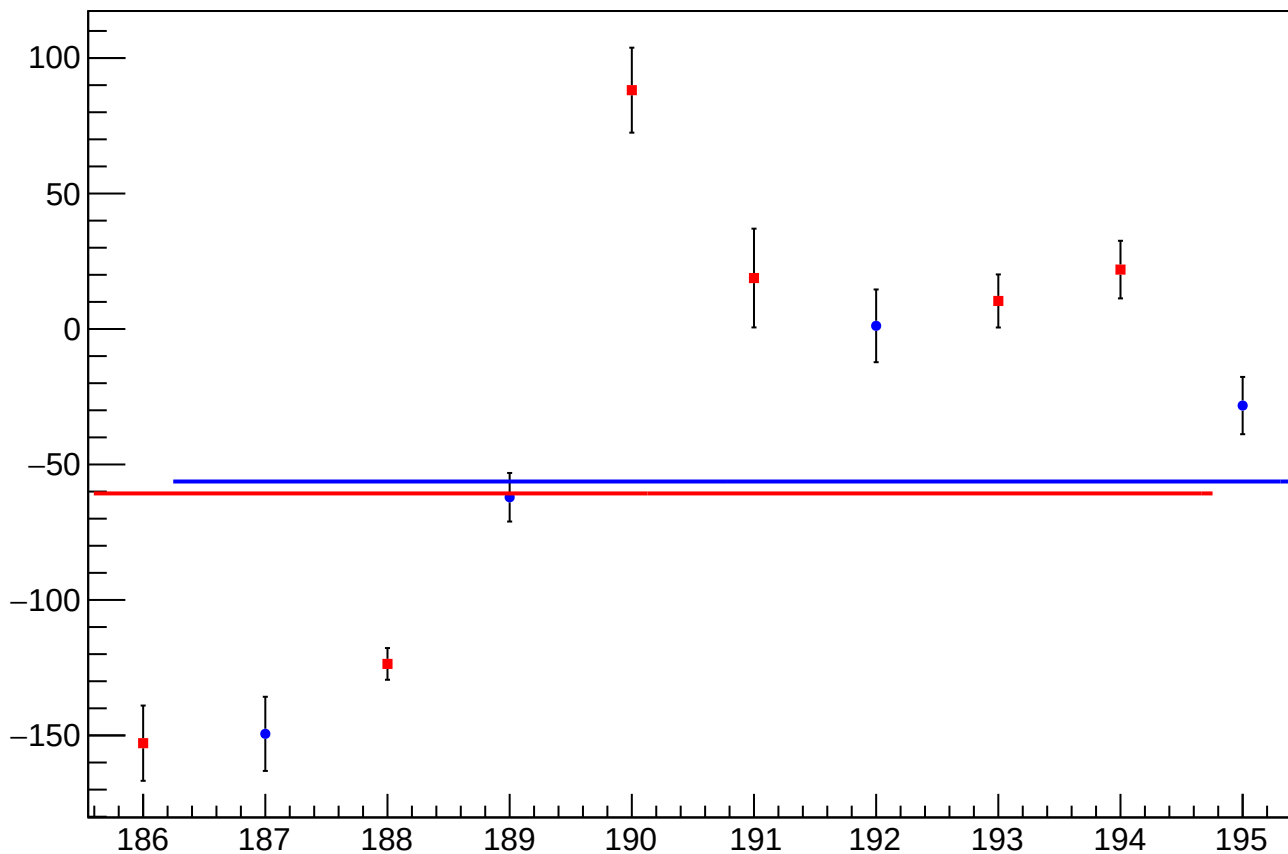
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-182.285 \pm 1.567$   $\chi^2/\text{NDF}$ : 340.6/9

- 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+/-5.566  $\chi^2/\text{NDF}$ : 72.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -60.684+/-4.058  $\chi^2/\text{NDF}$ : 381.8/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

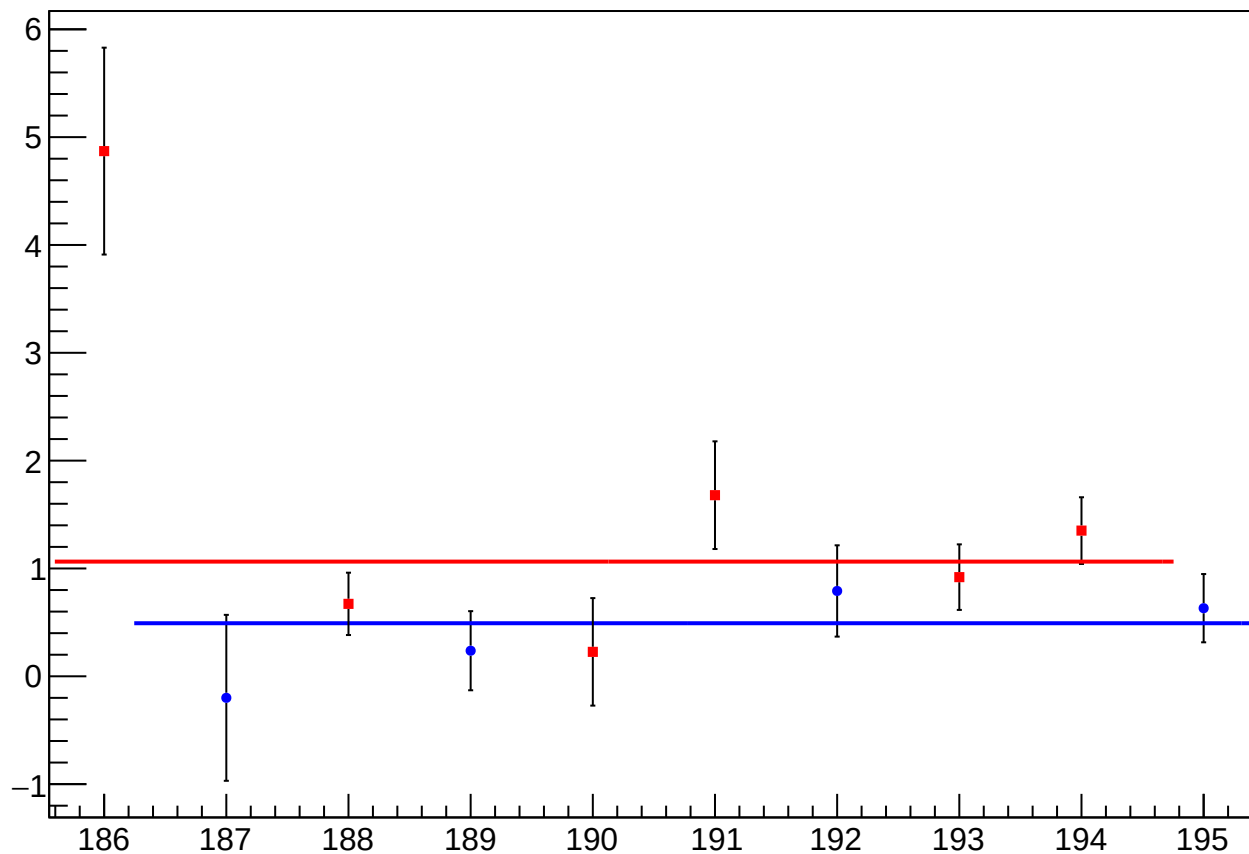
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -59.158+/-3.279  $\chi^2/\text{NDF}$ : 454.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug



Right In: 0.492 $\pm$ 0.201  $\chi^2$ /NDF: 2.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.064 $\pm$ 0.154  $\chi^2$ /NDF: 23.0/5

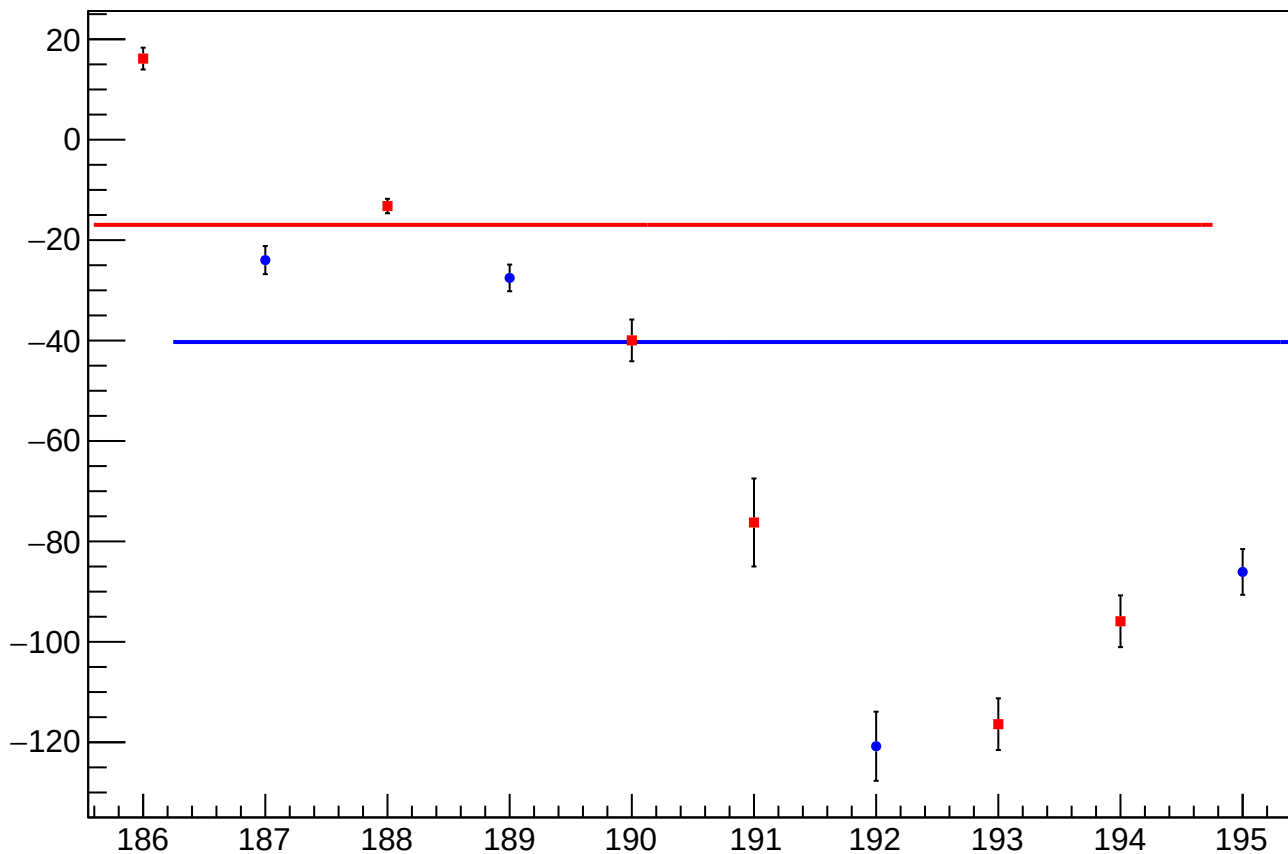
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.853 $\pm$ 0.122  $\chi^2$ /NDF: 30.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam3\_diff\_bpm1X\_slope vs Slug



Right In:  $-40.295 \pm 1.717$   $\chi^2/\text{NDF}$ : 295.0/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-16.960 \pm 1.091$   $\chi^2/\text{NDF}$ : 923.3/5

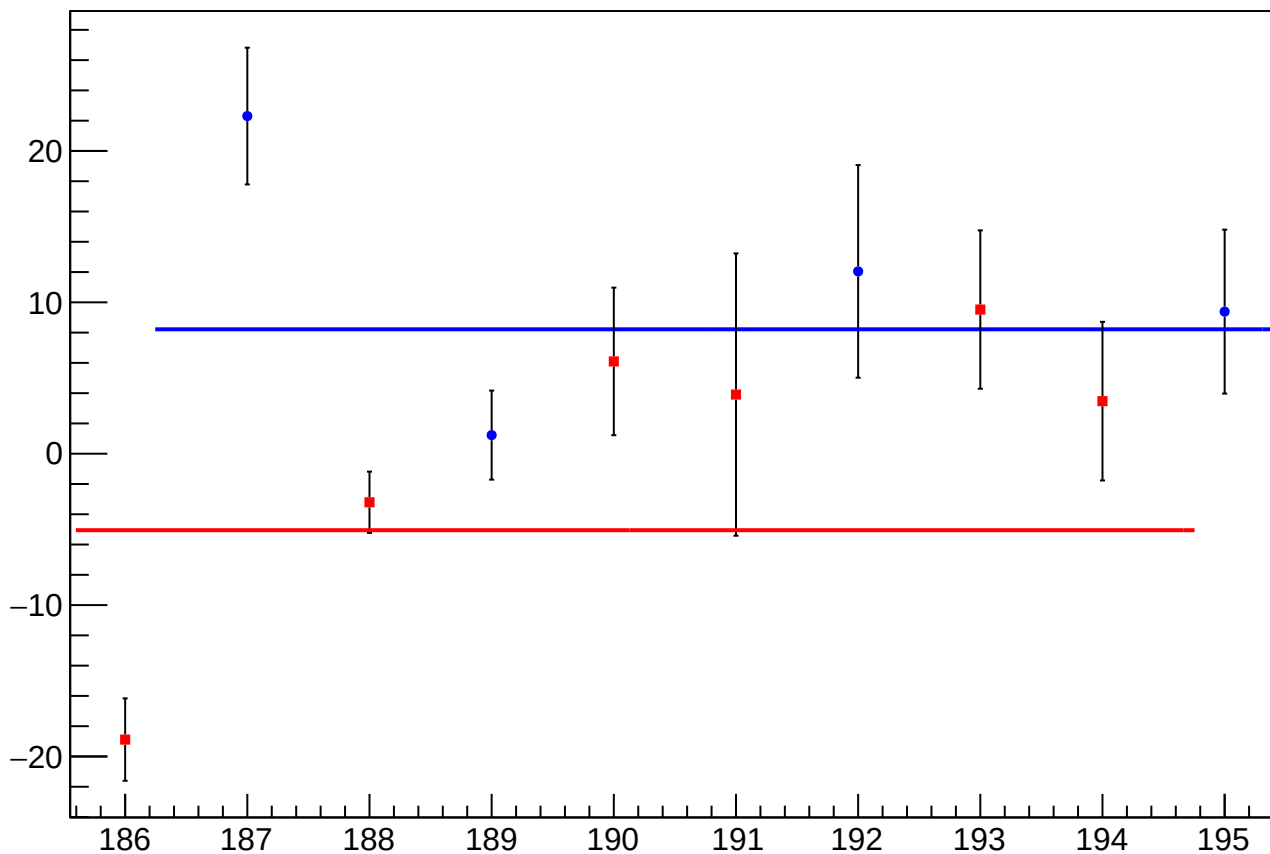
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-23.672 \pm 0.921$   $\chi^2/\text{NDF}$ : 1349.9/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: -5.053+/-1.407  $\chi^2/\text{NDF}$ : 43.2/5

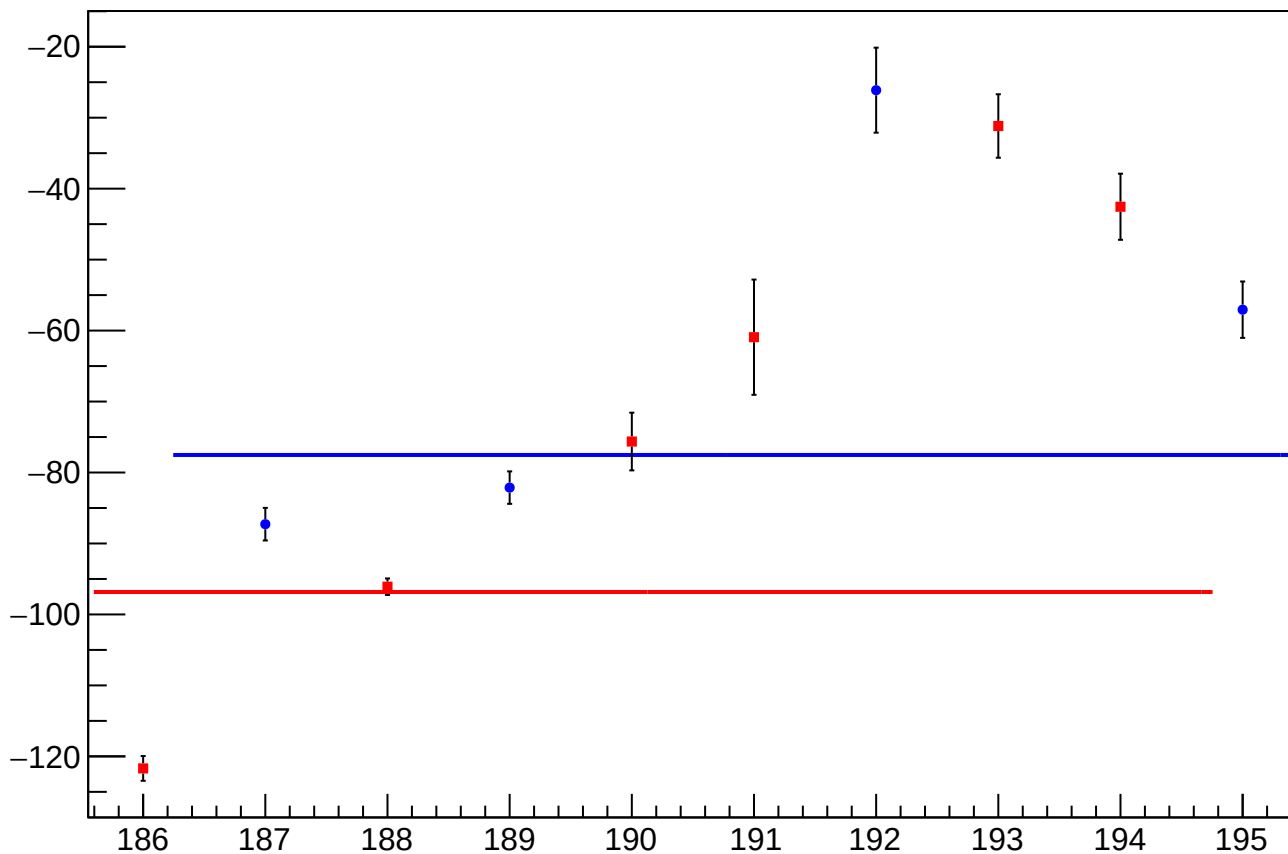
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.041+/-1.175  $\chi^2/\text{NDF}$ : 85.8/9

- 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: -96.838 $\pm$ 0.897  $\chi^2$ /NDF: 601.4/5

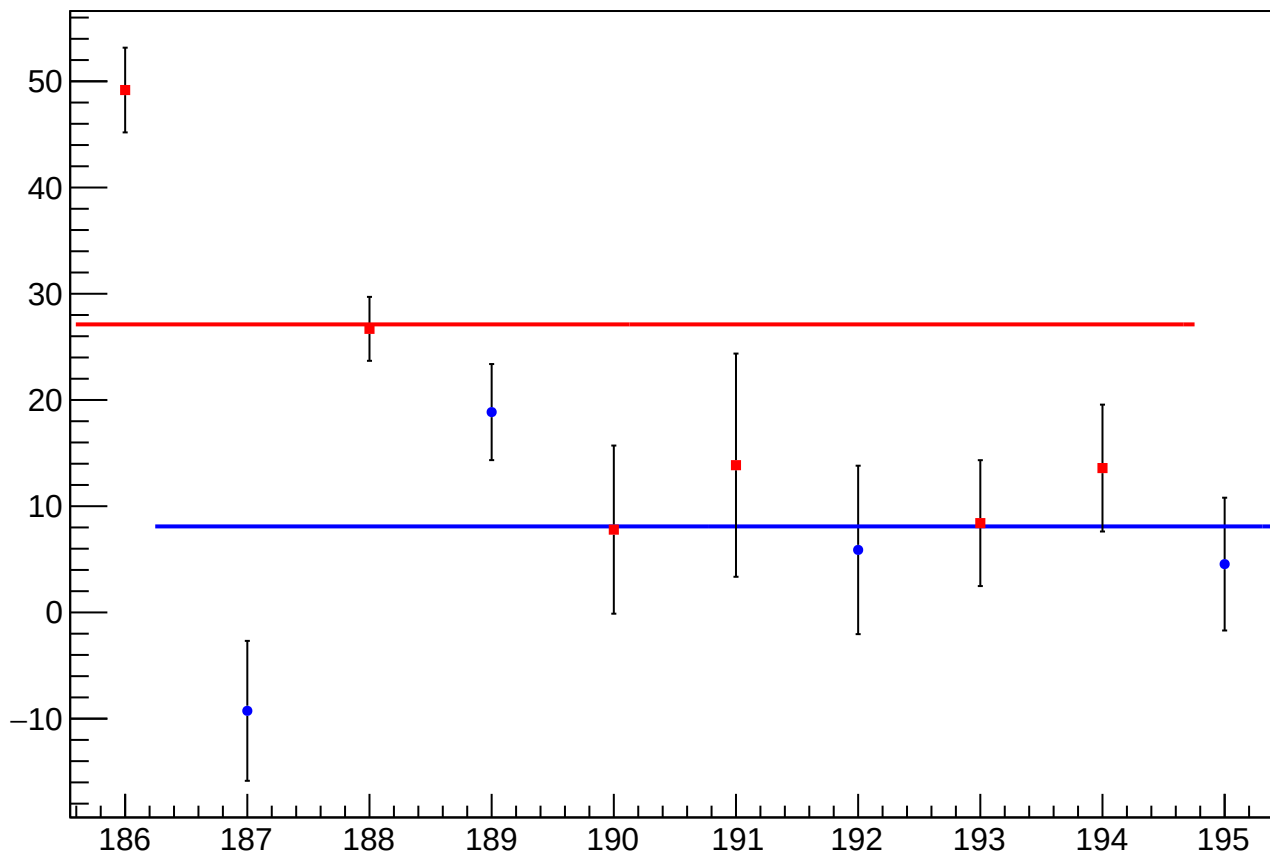
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -91.525 $\pm$ 0.763  $\chi^2$ /NDF: 851.3/9

- 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:  $27.116 \pm 1.981$   $\chi^2/\text{NDF}: 53.3/5$

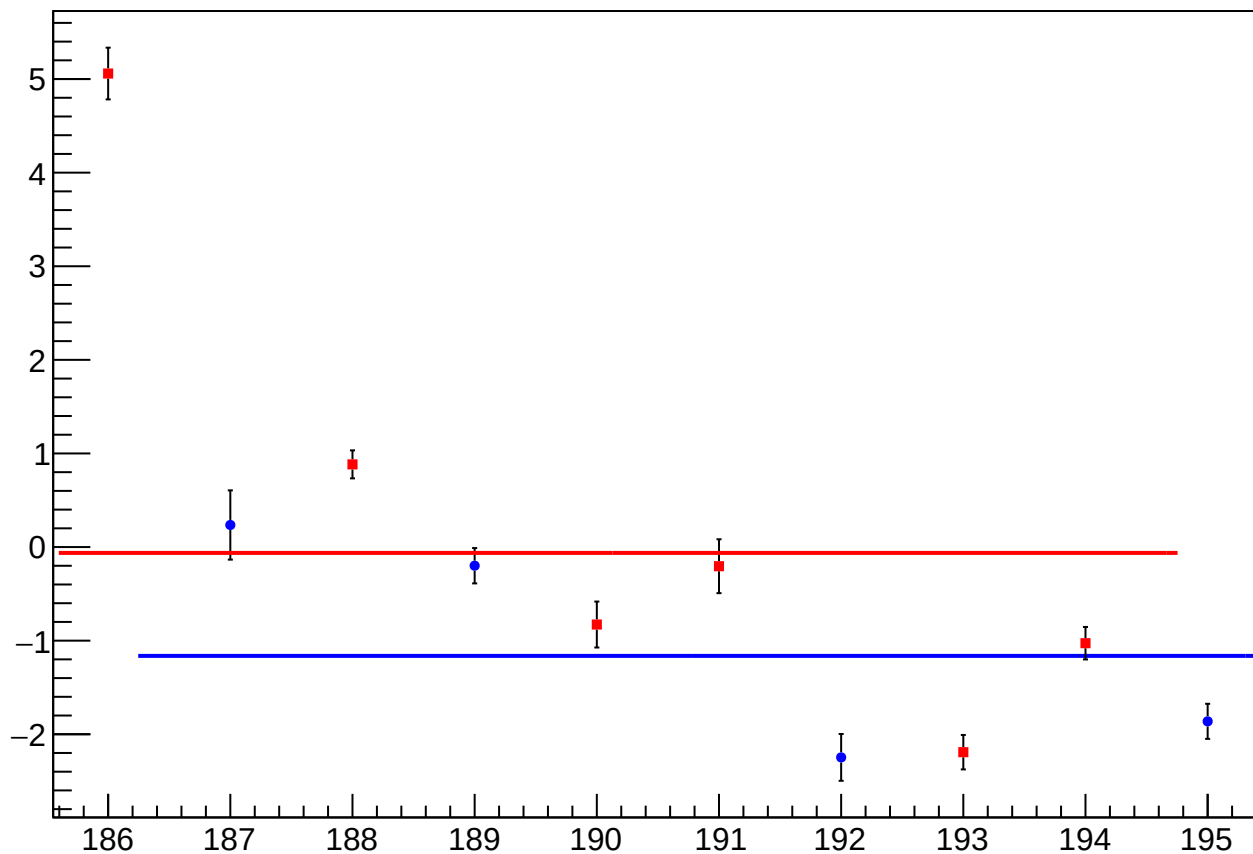
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $21.257 \pm 1.648$   $\chi^2/\text{NDF}: 94.7/9$

- 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:  $-0.063 \pm 0.082$   $\chi^2/\text{NDF}$ : 558.1/5

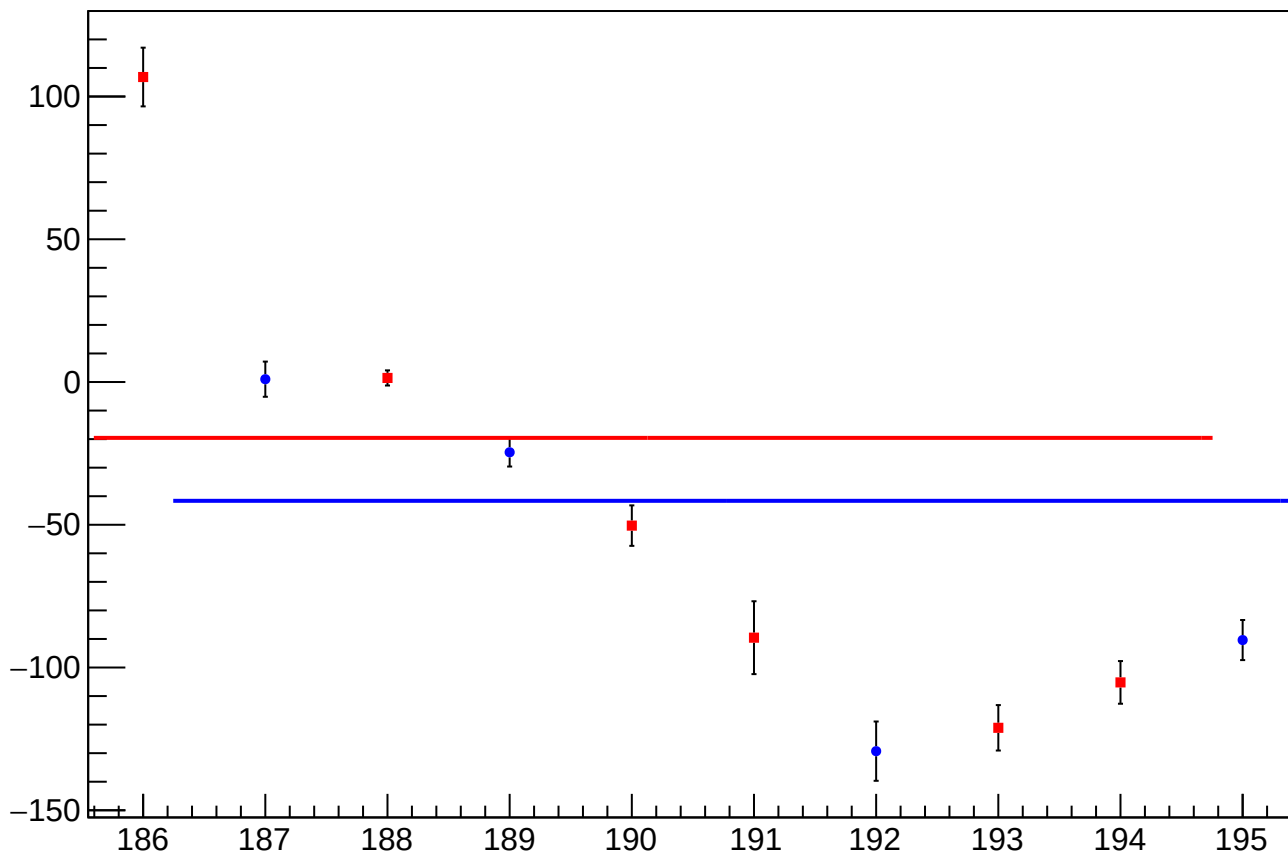
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.446 \pm 0.066$   $\chi^2/\text{NDF}$ : 694.1/9

- 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  $\chi^2$ /NDF: 178.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -19.566 $\pm$ 2.176  $\chi^2$ /NDF: 556.8/5

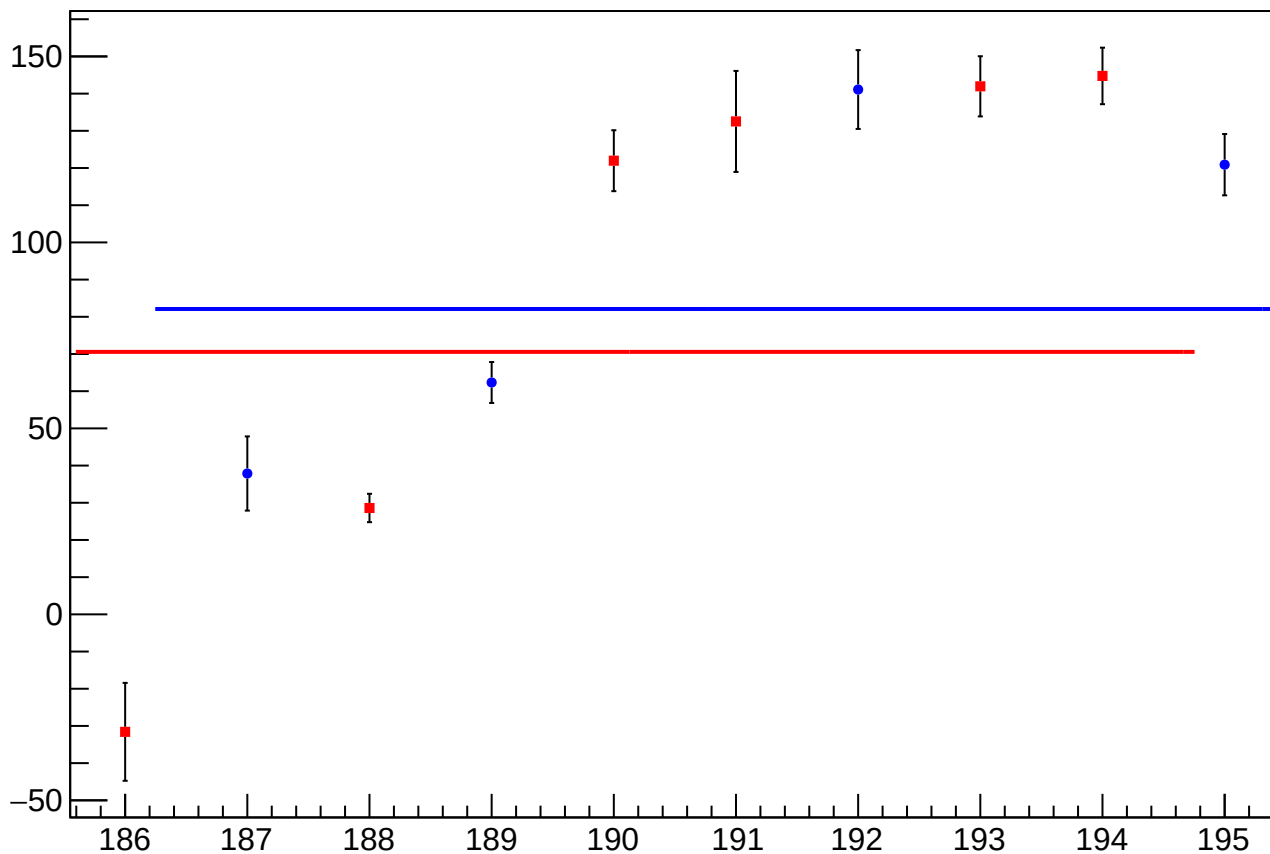
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -26.451 $\pm$ 1.804  $\chi^2$ /NDF: 767.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 70.566 $\pm$ 2.800  $\chi^2$ /NDF: 415.0/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

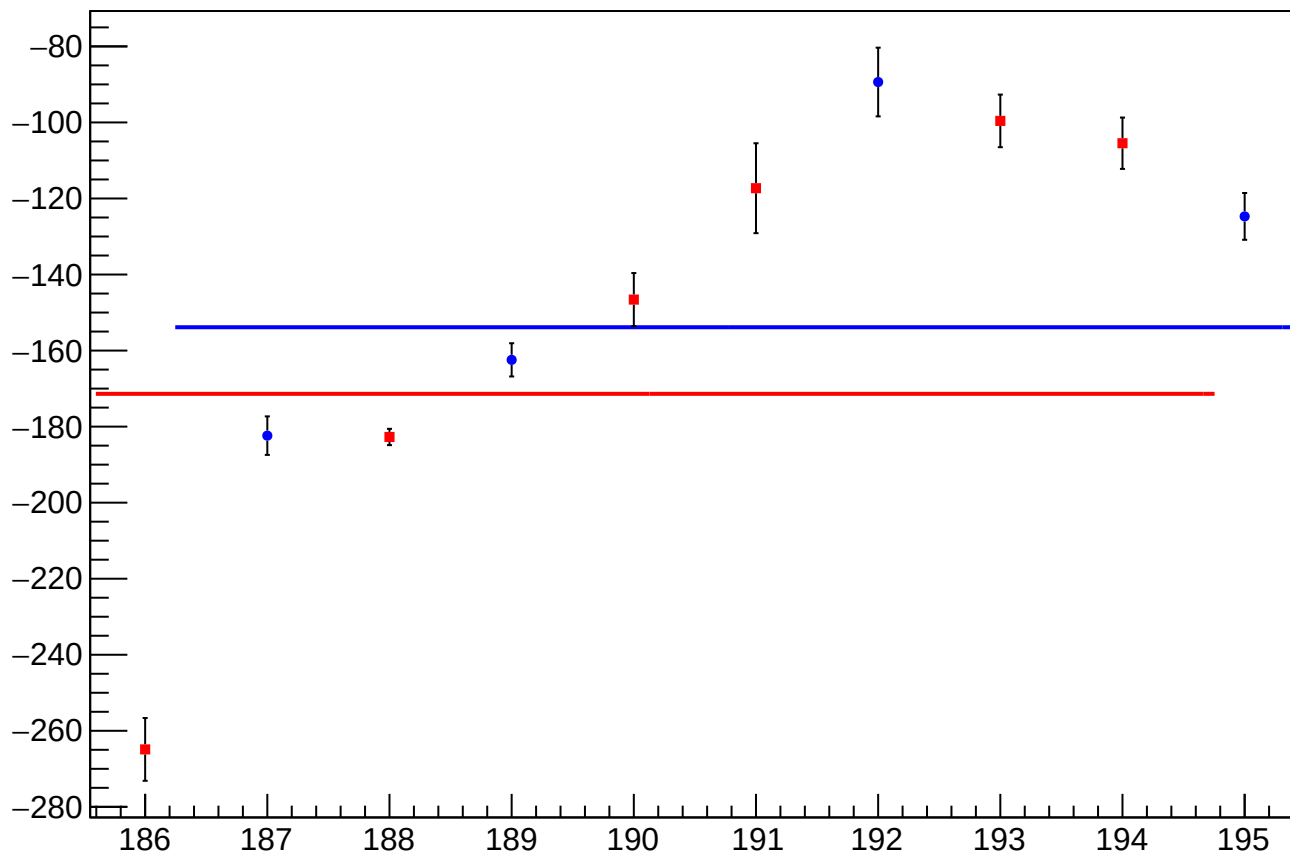
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 74.525 $\pm$ 2.269  $\chi^2$ /NDF: 506.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug



Right In:  $-153.862 \pm 2.774$   $\chi^2/\text{NDF}$ : 108.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-171.374 \pm 1.818$   $\chi^2/\text{NDF}$ : 392.7/5

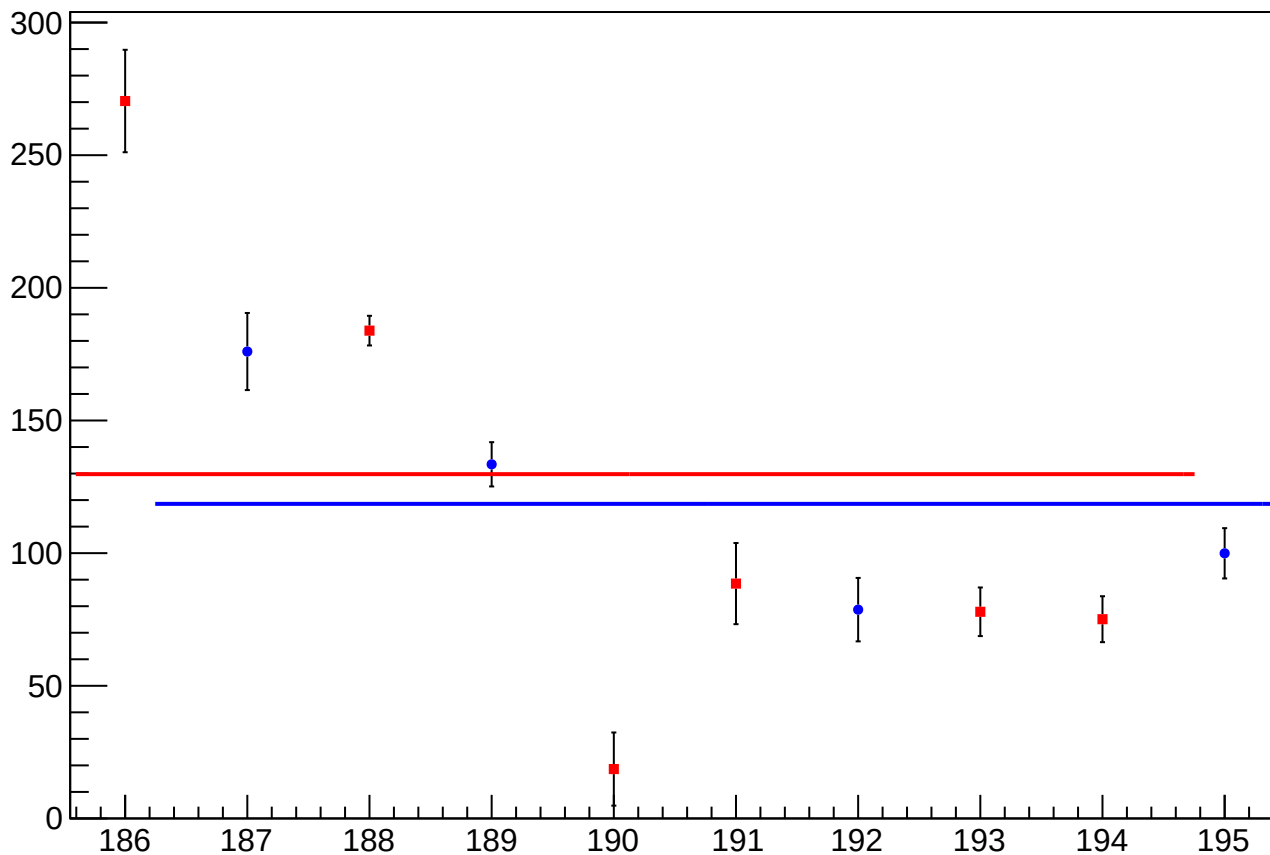
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-166.115 \pm 1.520$   $\chi^2/\text{NDF}$ : 529.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 129.778 $\pm$ 3.794  $\chi^2$ /NDF: 290.9/5

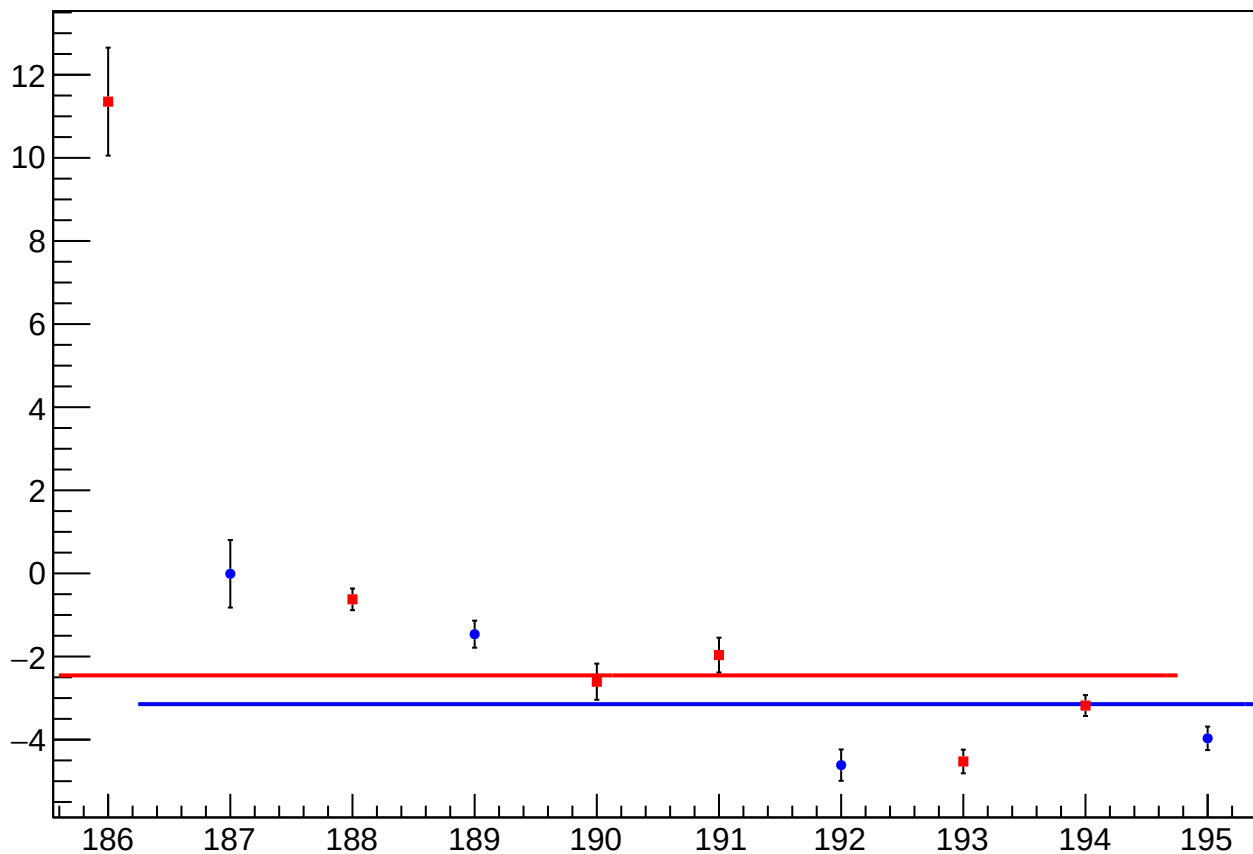
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 125.869 $\pm$ 3.062  $\chi^2$ /NDF: 327.7/9

- 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:  $-2.454 \pm 0.136$   $\chi^2/\text{NDF}$ : 225.0/5

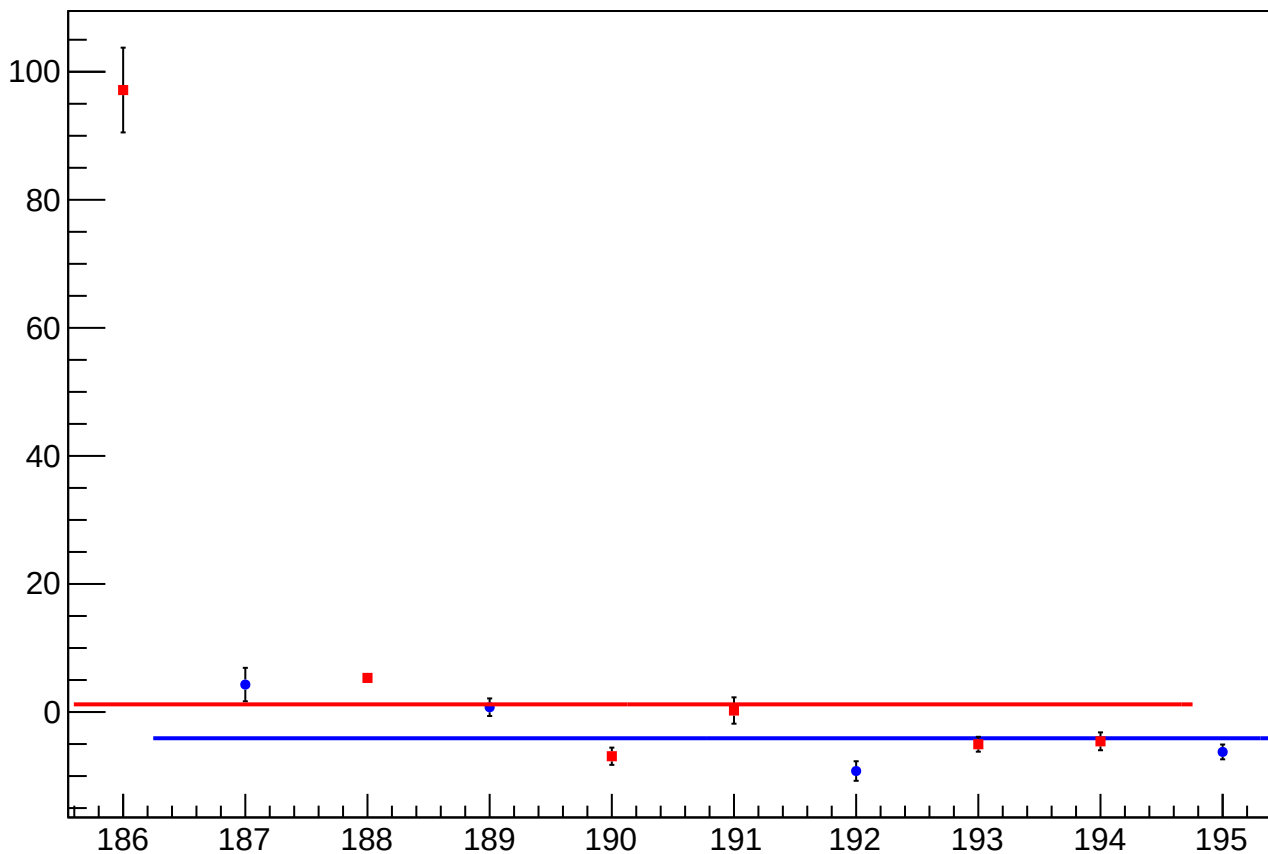
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.702 \pm 0.109$   $\chi^2/\text{NDF}$ : 299.6/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam5\_diff\_bpm1X\_slope vs Slug



Right In:  $-4.096 \pm 0.734$   $\chi^2/\text{NDF}$ : 37.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $1.198 \pm 0.471$   $\chi^2/\text{NDF}$ : 334.1/5

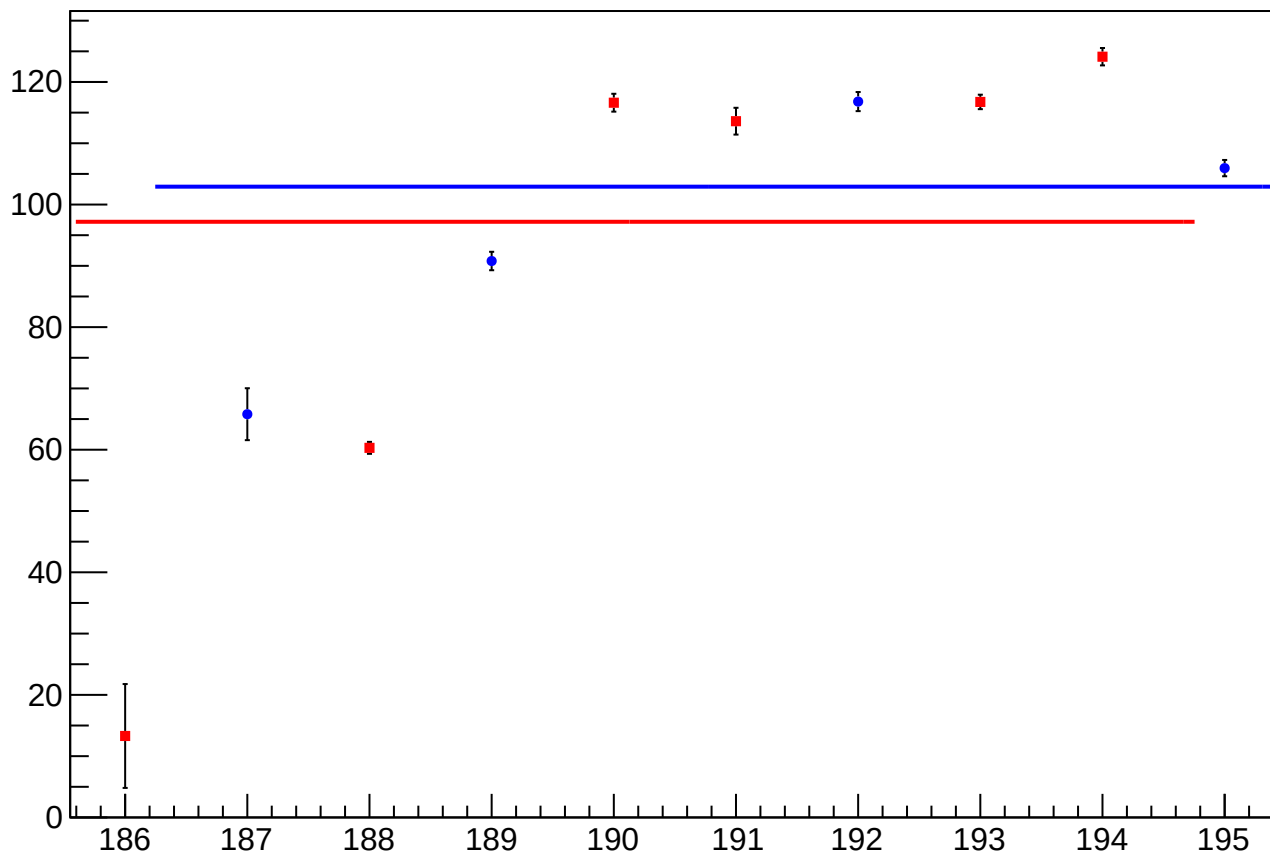
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.345 \pm 0.396$   $\chi^2/\text{NDF}$ : 408.3/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 97.190 $\pm$ 0.581  $\chi^2$ /NDF: 2399.3/5

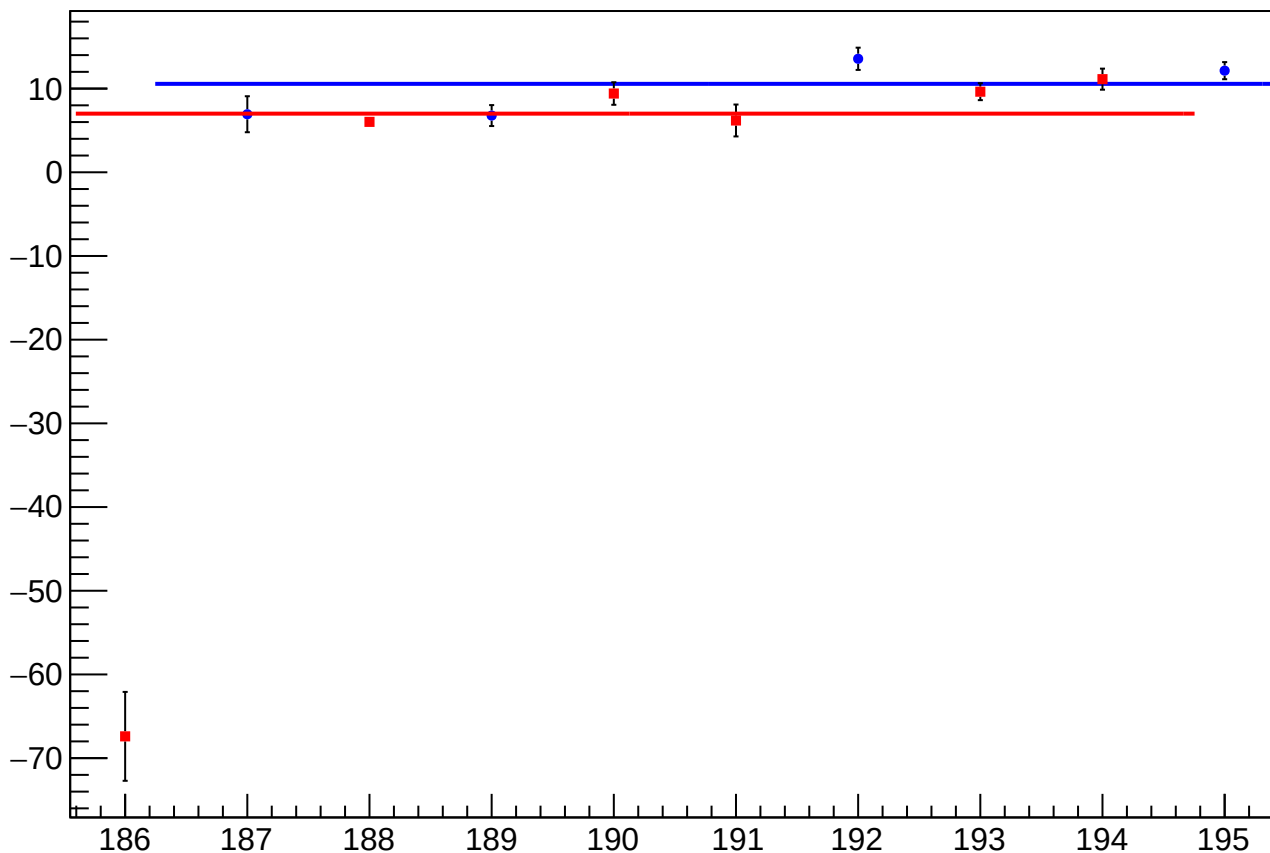
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 99.096 $\pm$ 0.475  $\chi^2$ /NDF: 2658.0/9

- 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: 7.006 $\pm$ 0.402  $\chi^2$ /NDF: 220.7/5

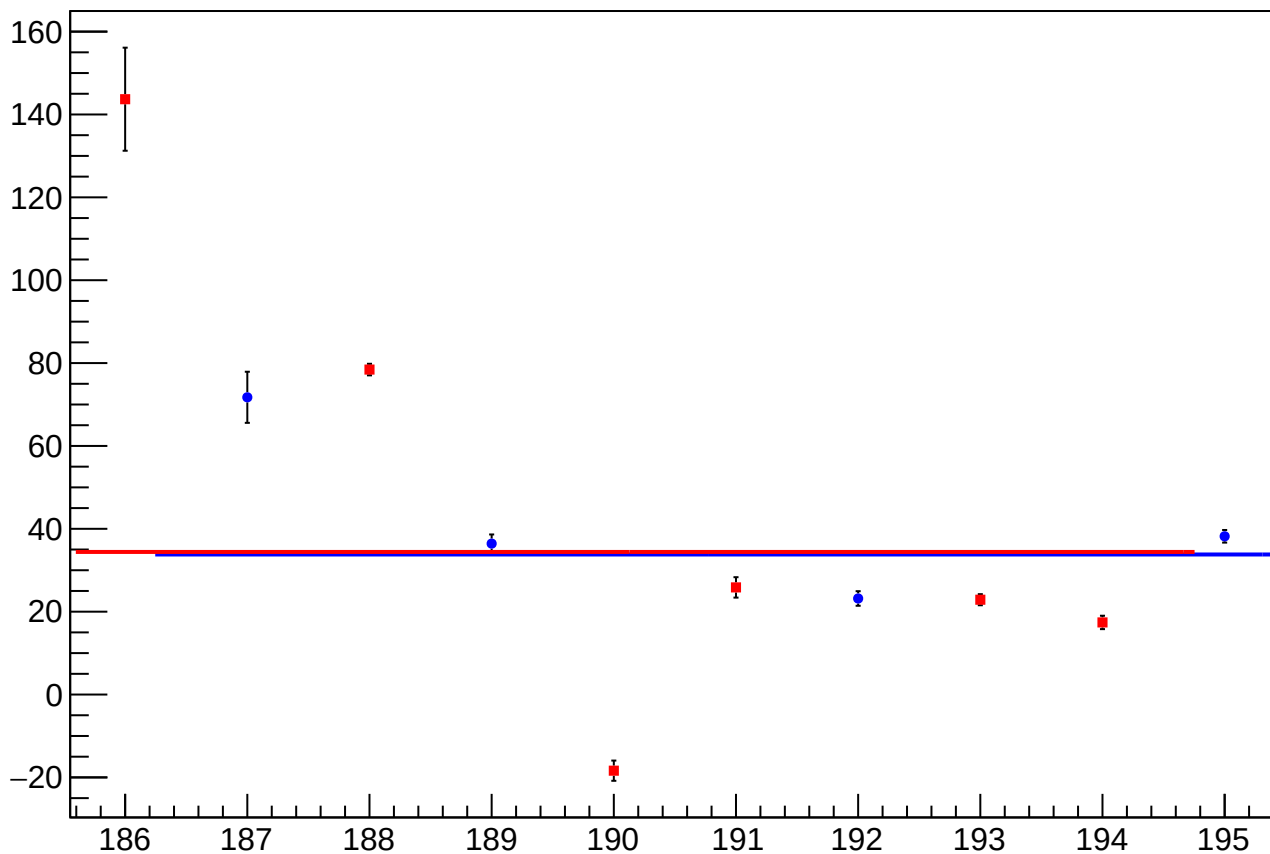
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.996 $\pm$ 0.342  $\chi^2$ /NDF: 261.9/9

- 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: 34.417+/-0.747  $\chi^2/\text{NDF}$ : 1733.1/5

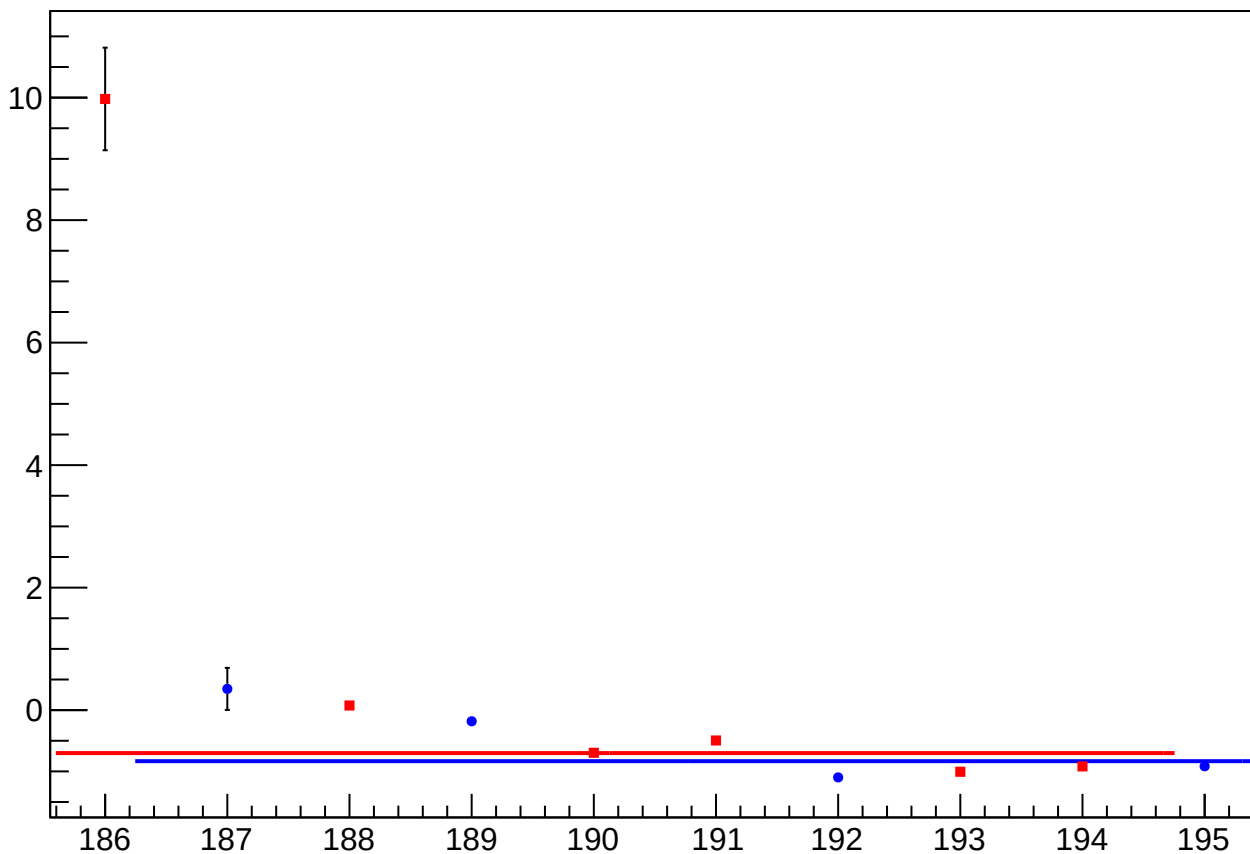
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 34.199+/-0.600  $\chi^2/\text{NDF}$ : 1817.3/9

- 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:  $-0.701 \pm 0.024$   $\chi^2/\text{NDF}$ : 414.5/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

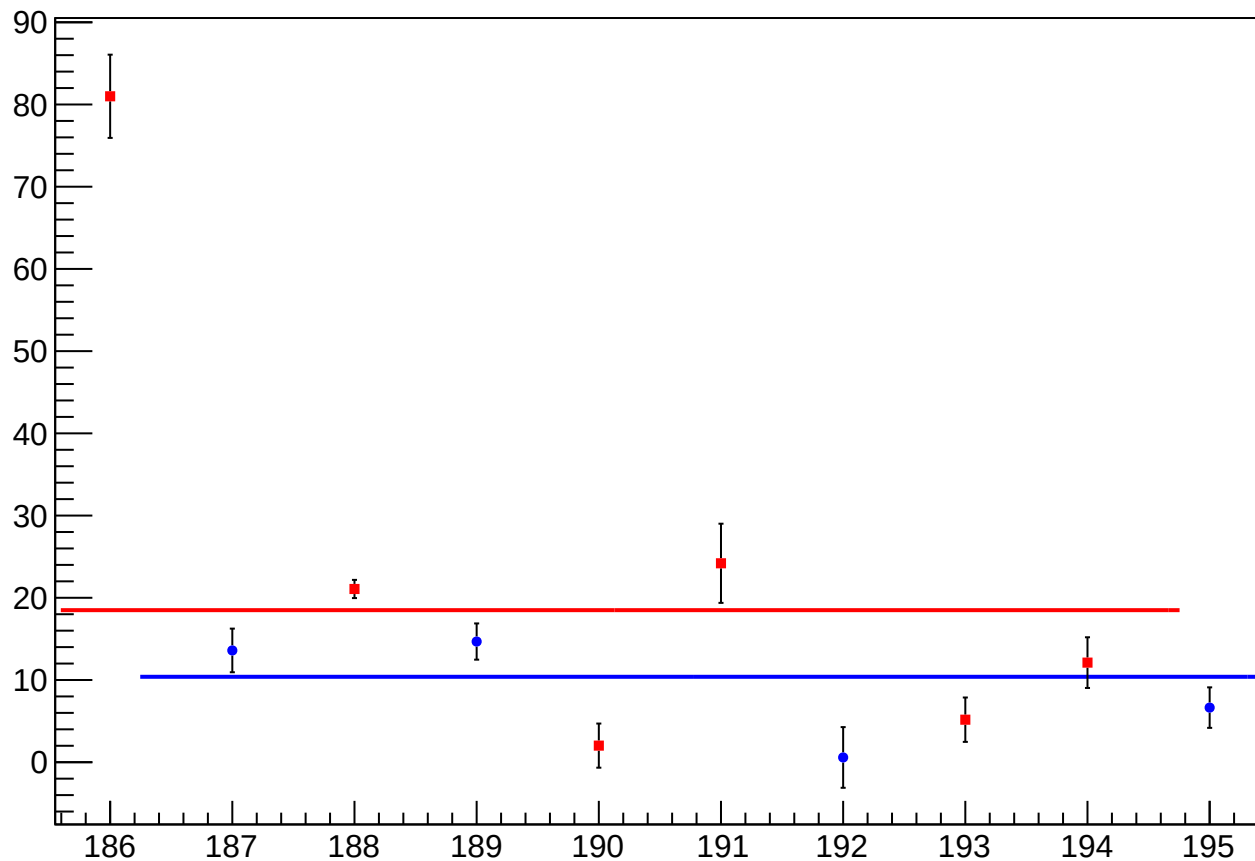
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.750 \pm 0.019$   $\chi^2/\text{NDF}$ : 539.9/9

- 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: 18.494 $\pm$ 0.884  $\chi^2$ /NDF: 225.6/5

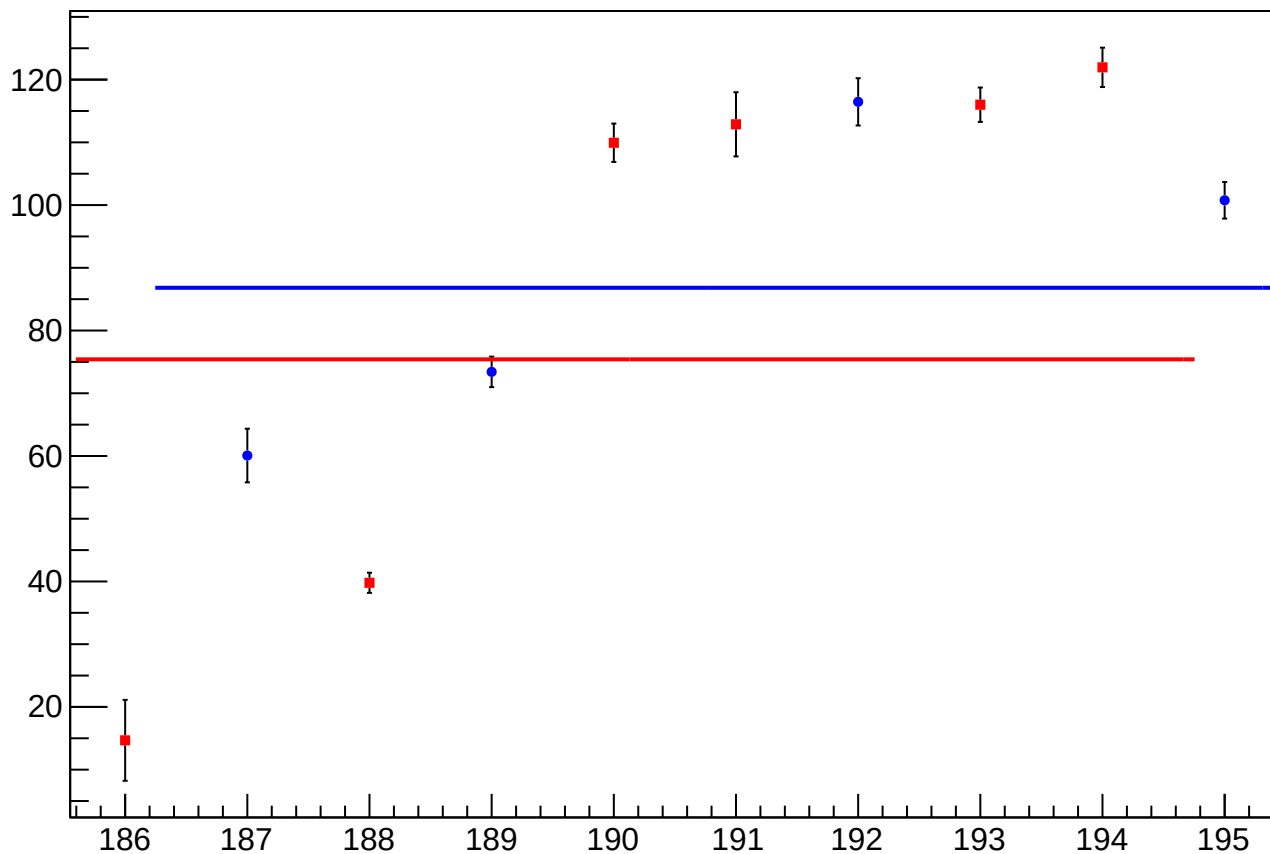
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 15.948 $\pm$ 0.732  $\chi^2$ /NDF: 266.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug



Right In: 86.817+/-1.558  $\chi^2$ /NDF: 154.2/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 75.409+/-1.124  $\chi^2$ /NDF: 1200.3/5

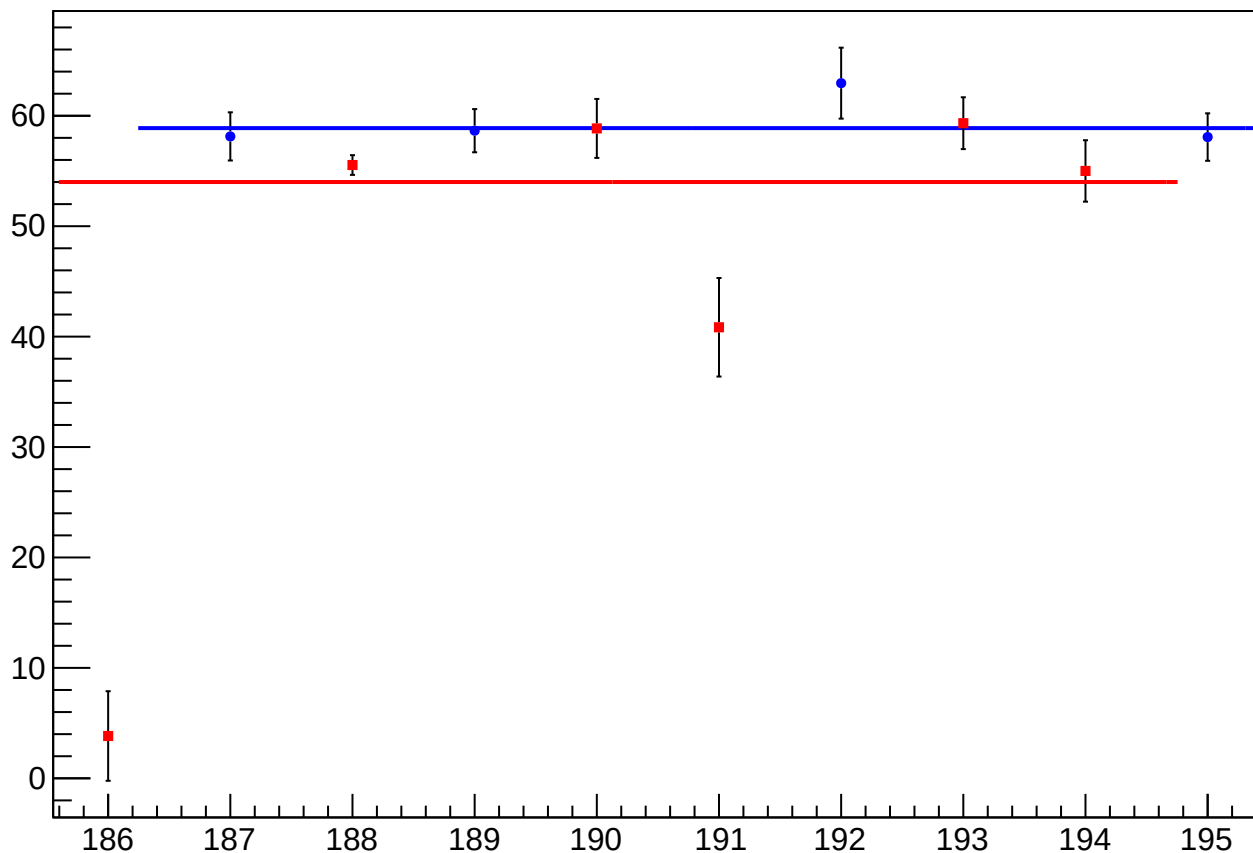
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 79.315+/-0.912  $\chi^2$ /NDF: 1389.7/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug



Right In: 58.883+/-1.129  $\chi^2/\text{NDF}$ : 1.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 54.001+/-0.742  $\chi^2/\text{NDF}$ : 173.2/5

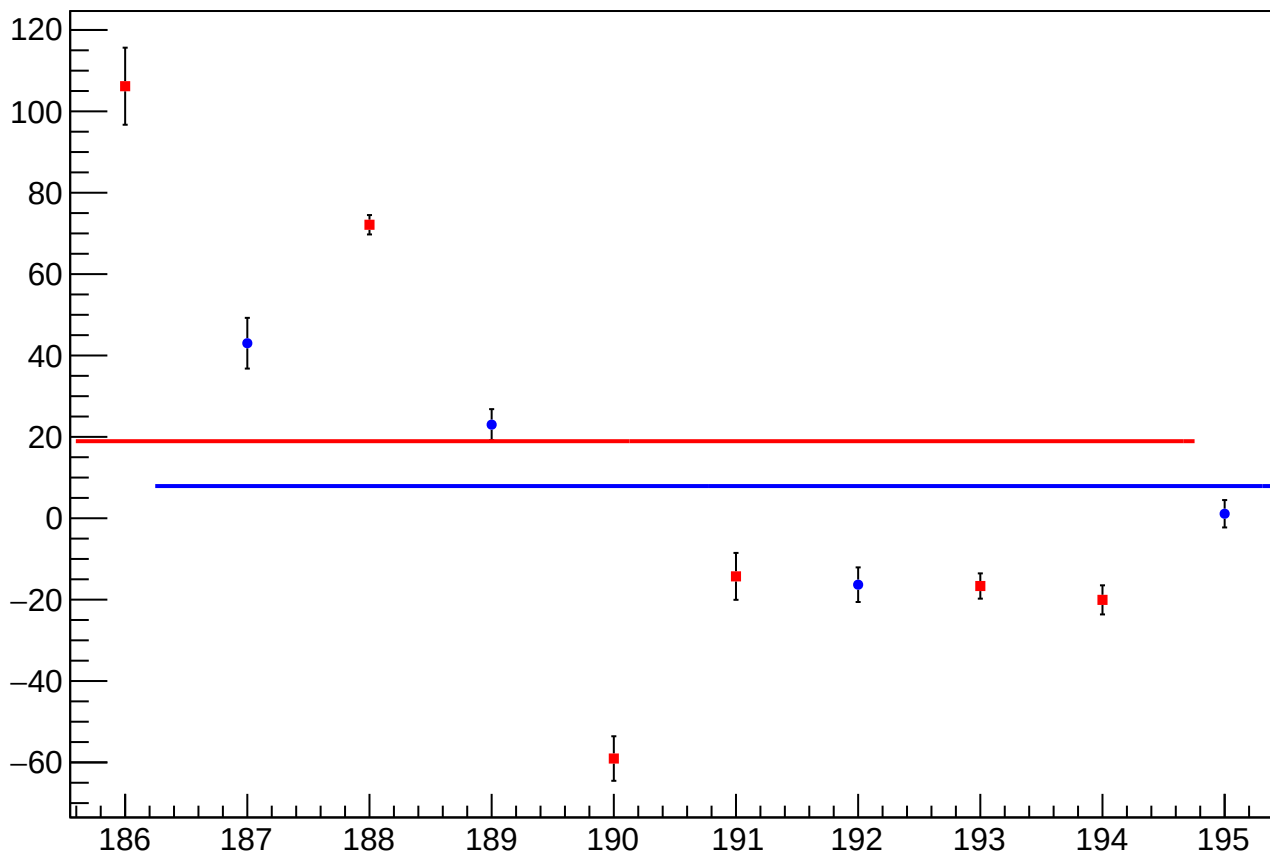
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 55.474+/-0.620  $\chi^2/\text{NDF}$ : 188.1/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 18.941 $\pm$ 1.520  $\chi^2$ /NDF: 1069.9/5

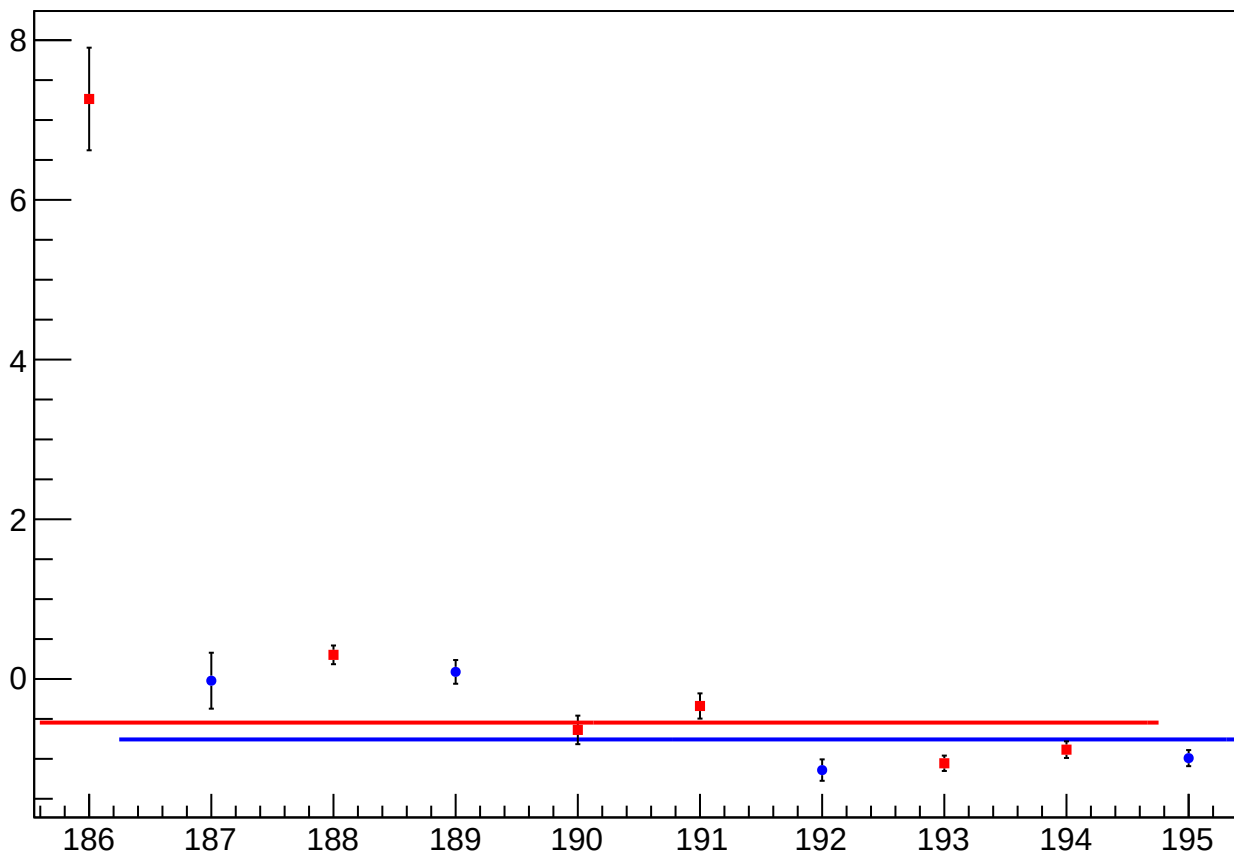
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 15.027 $\pm$ 1.221  $\chi^2$ /NDF: 1172.5/9

- 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:  $-0.546 \pm 0.054$   $\chi^2/\text{NDF}$ : 240.7/5

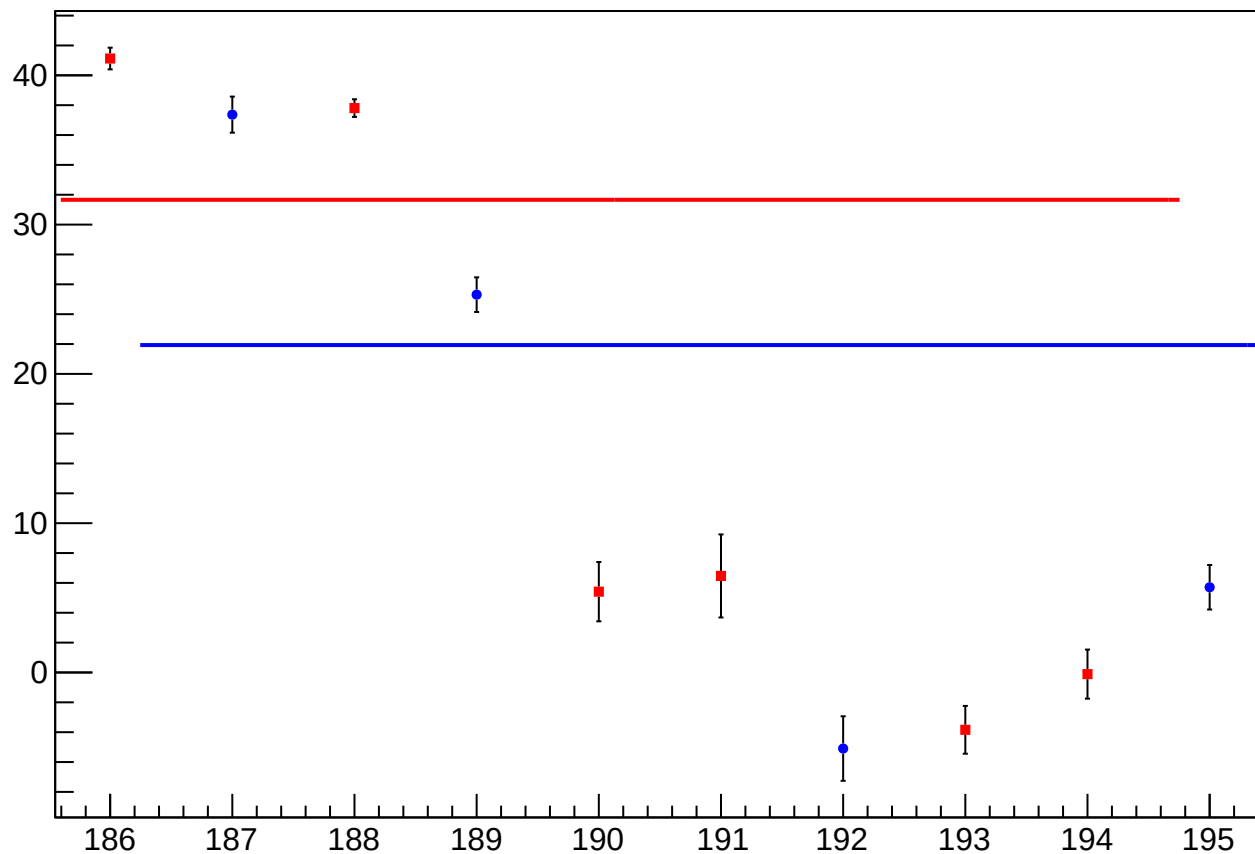
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.625 \pm 0.042$   $\chi^2/\text{NDF}$ : 296.9/9

- 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: 31.662 $\pm$ 0.412  $\chi^2$ /NDF: 1399.6/5

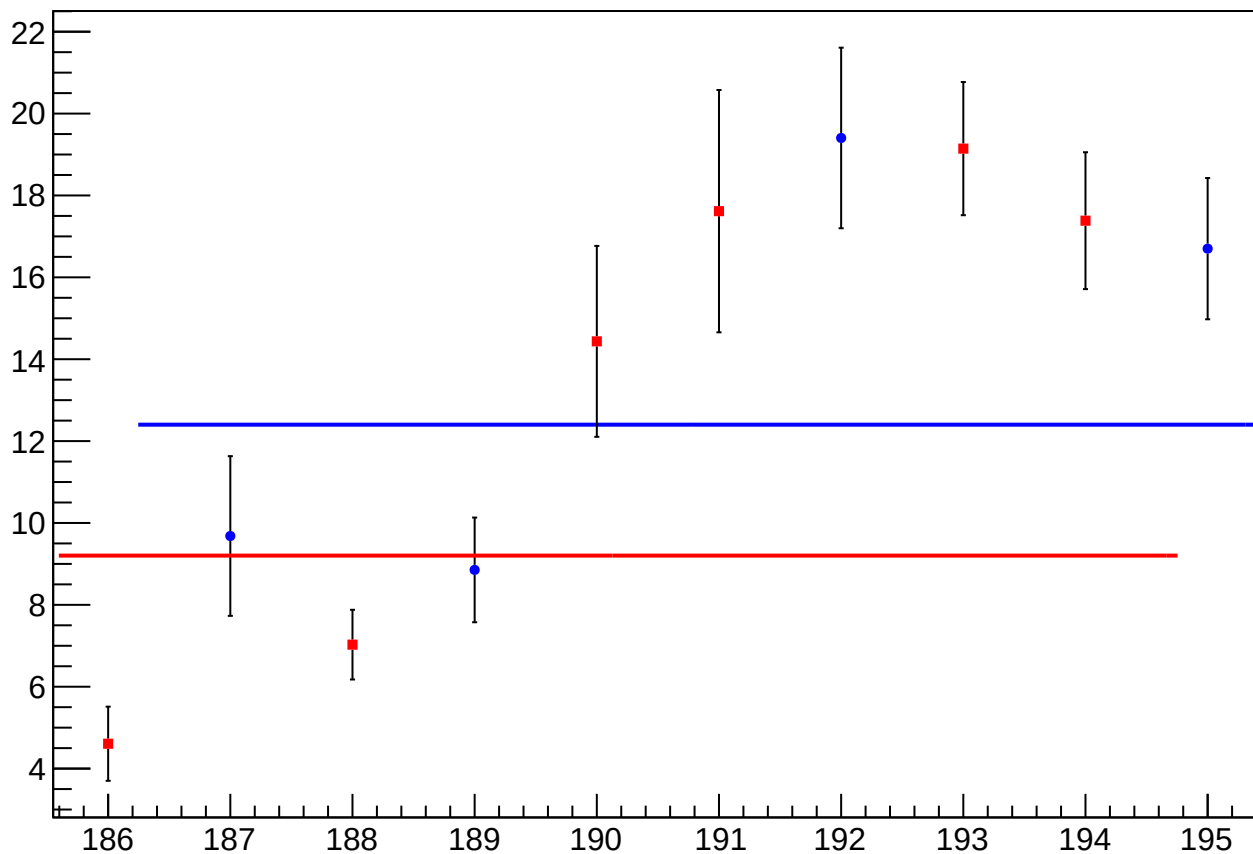
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 29.116 $\pm$ 0.354  $\chi^2$ /NDF: 1992.2/9

- 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: 9.203 $\pm$ 0.525  $\chi^2$ /NDF: 106.7/5

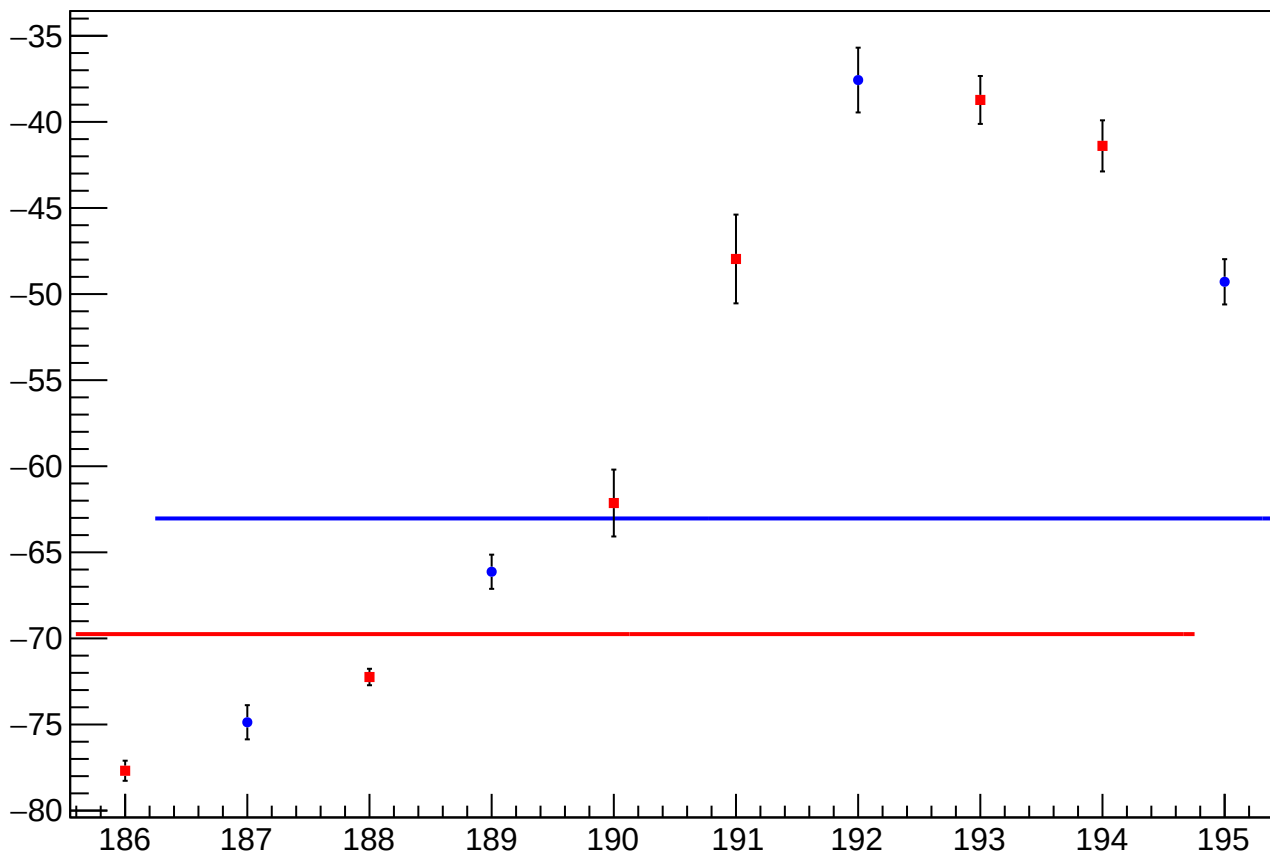
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.100 $\pm$ 0.445  $\chi^2$ /NDF: 143.1/9

- 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: -69.750+/-0.339  $\chi^2/\text{NDF}$ : 1160.3/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

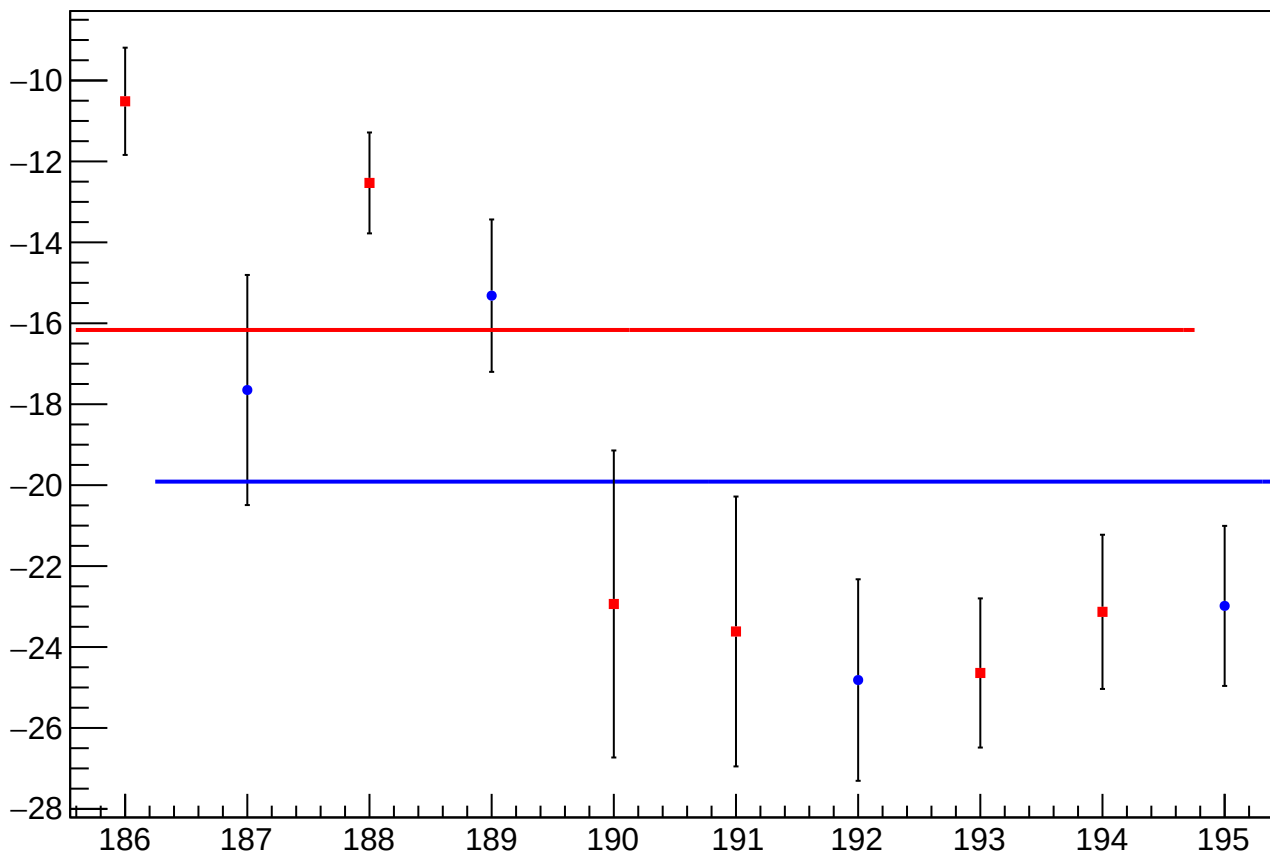
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -68.075+/-0.294  $\chi^2/\text{NDF}$ : 1702.4/9

- 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:  $-16.165 \pm 0.718$   $\chi^2/\text{NDF}$ : 69.4/5

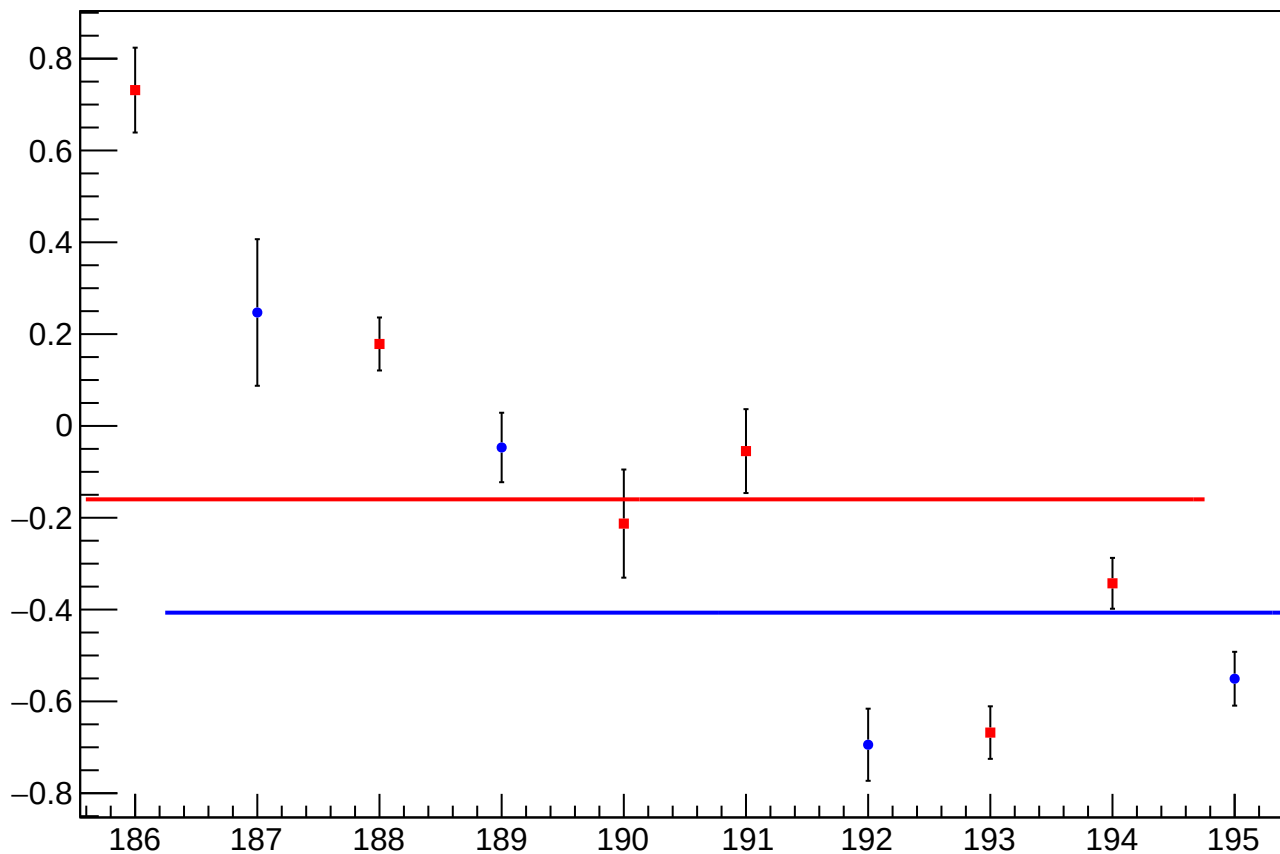
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-17.280 \pm 0.601$   $\chi^2/\text{NDF}$ : 90.4/9

- 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:  $-0.160 \pm 0.028$   $\chi^2/\text{NDF}$ : 218.7/5

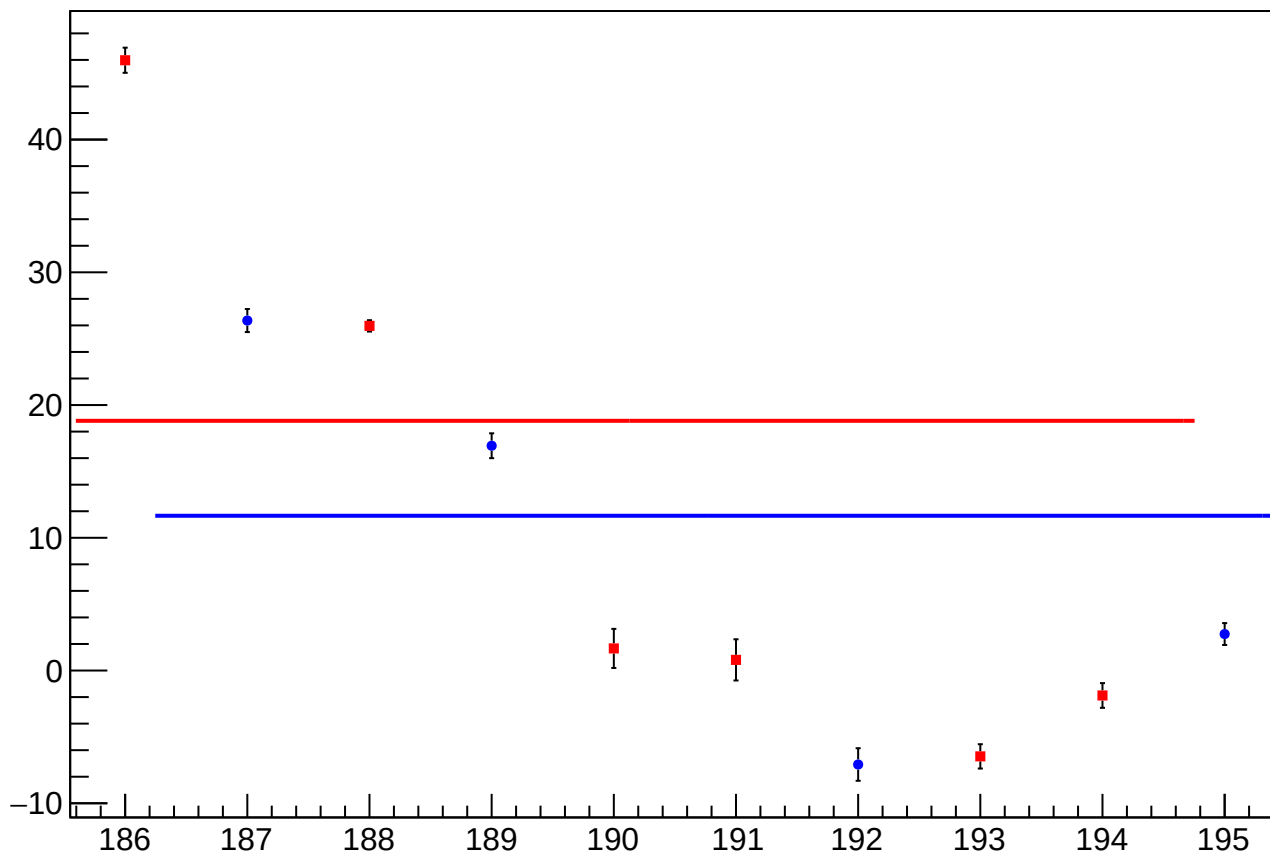
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.246 \pm 0.023$   $\chi^2/\text{NDF}$ : 303.9/9

- 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: 18.813 $\pm$ 0.319  $\chi^2$ /NDF: 2626.6/5

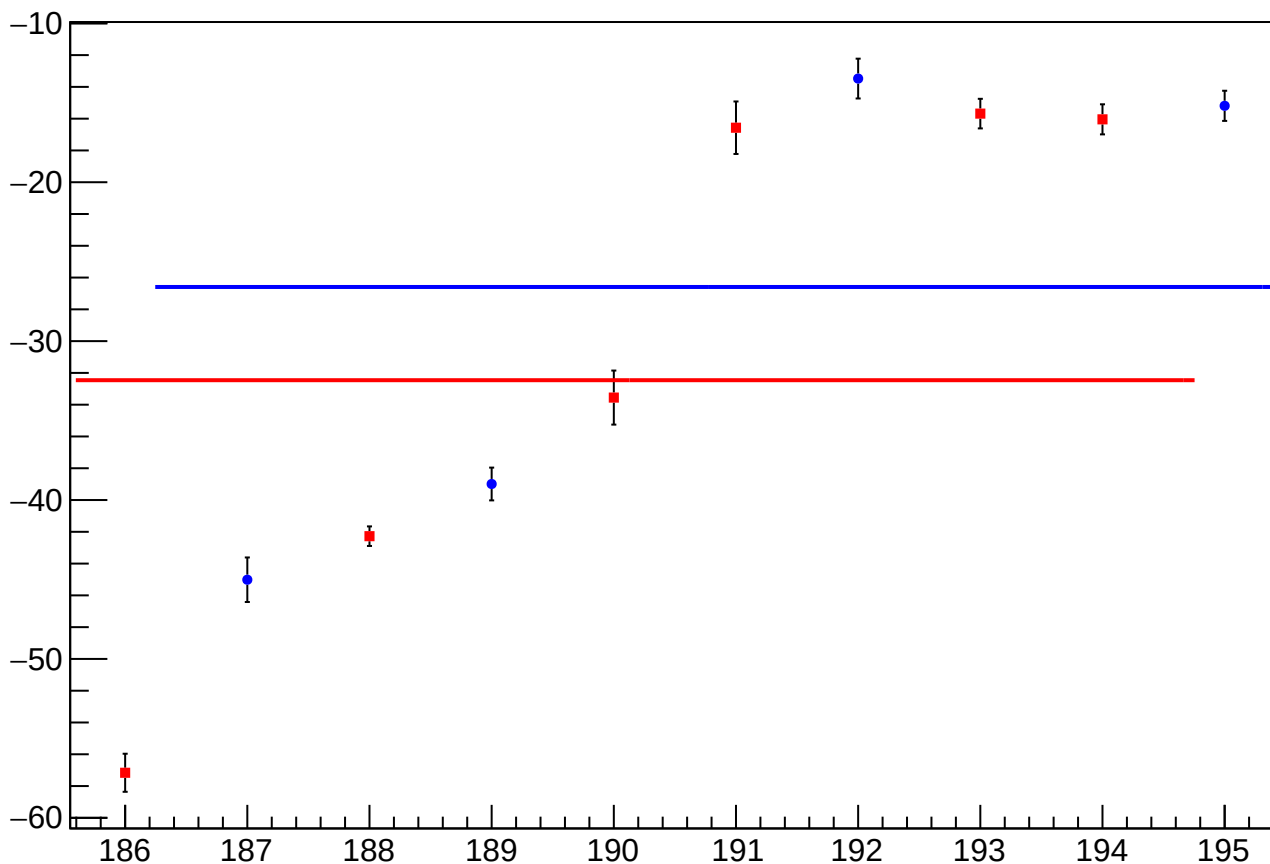
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 16.527 $\pm$ 0.263  $\chi^2$ /NDF: 3455.7/9

- 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: -32.459 $\pm$ 0.398  $\chi^2$ /NDF: 1397.7/5

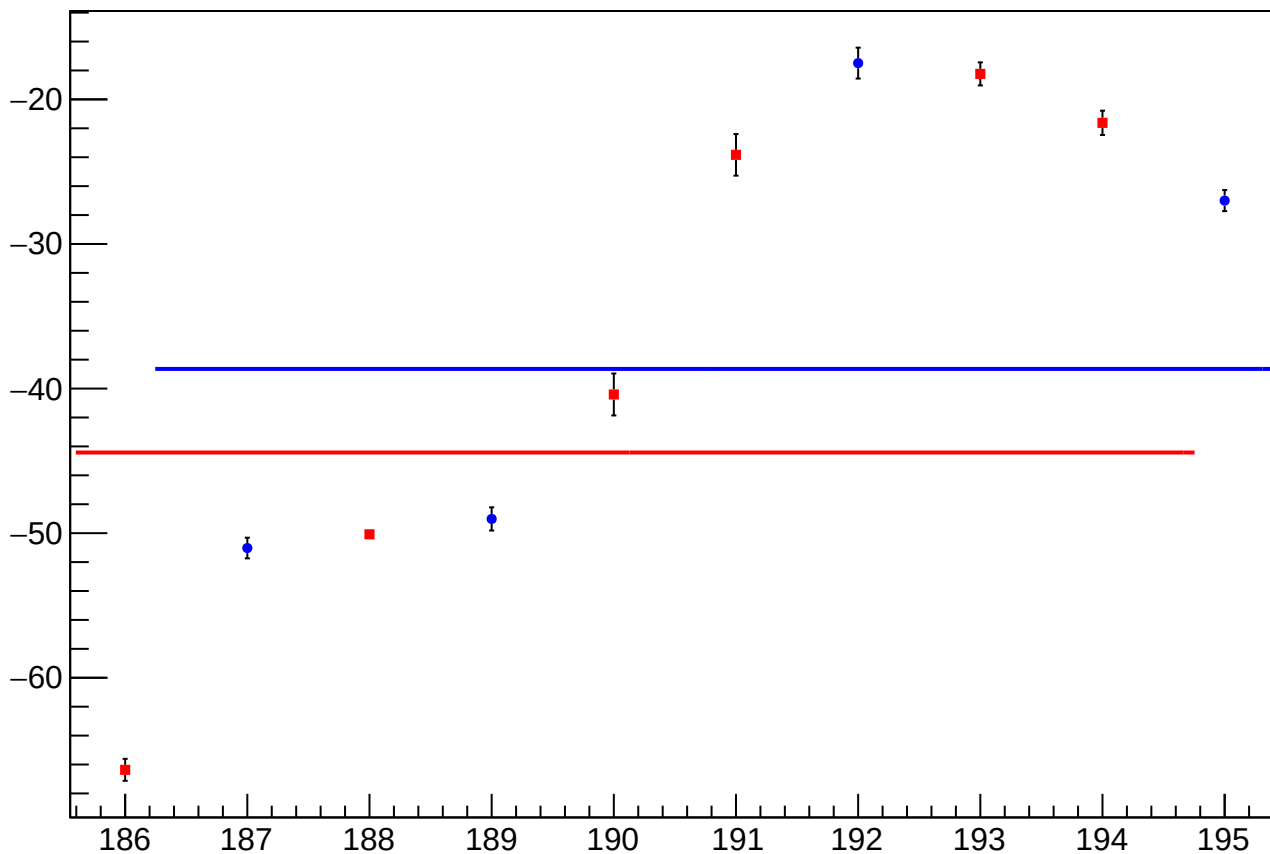
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -30.487 $\pm$ 0.324  $\chi^2$ /NDF: 2042.2/9

- 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:  $-44.422 \pm 0.267$   $\chi^2/\text{NDF}$ : 3131.8/5

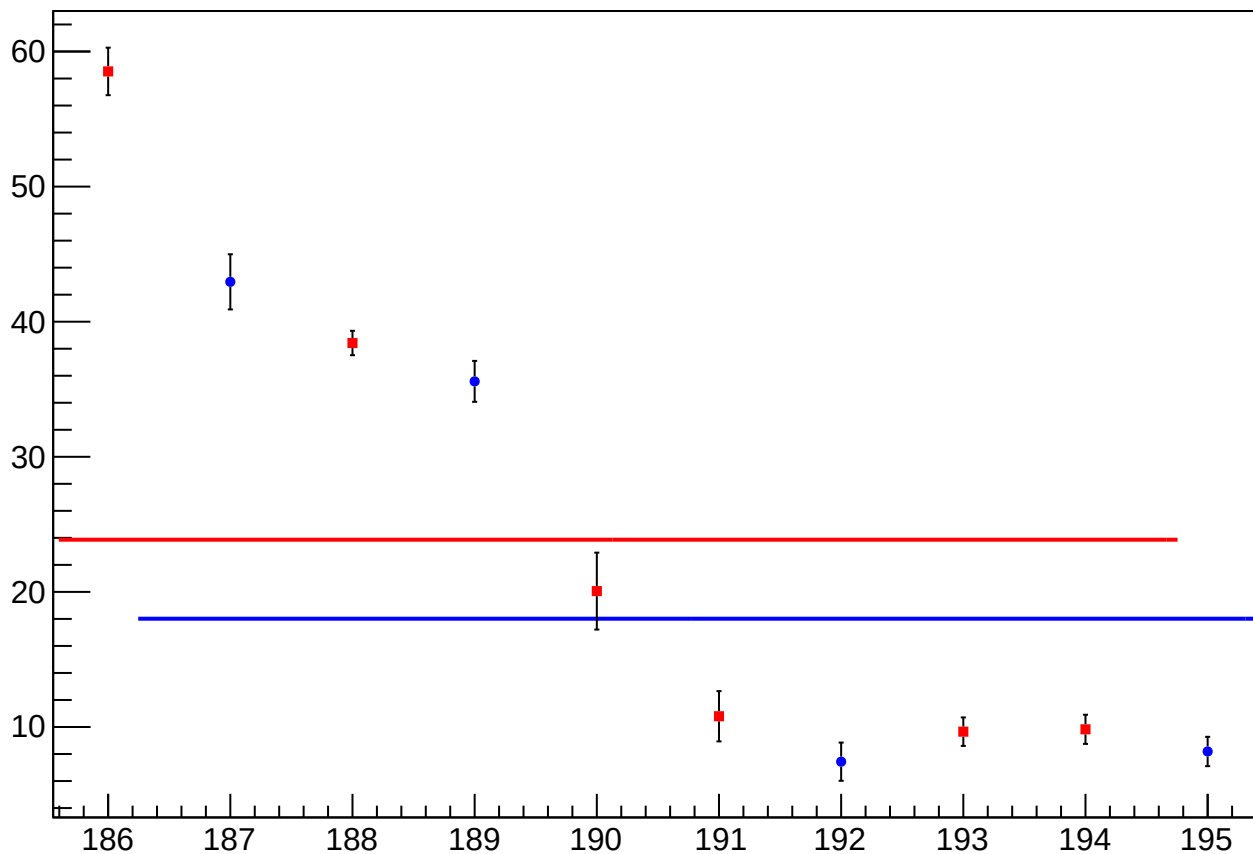
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-42.638 \pm 0.222$   $\chi^2/\text{NDF}$ : 4391.8/9

- 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 $\pm$ 0.703  $\chi^2$ /NDF: 421.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 23.863 $\pm$ 0.519  $\chi^2$ /NDF: 1050.0/5

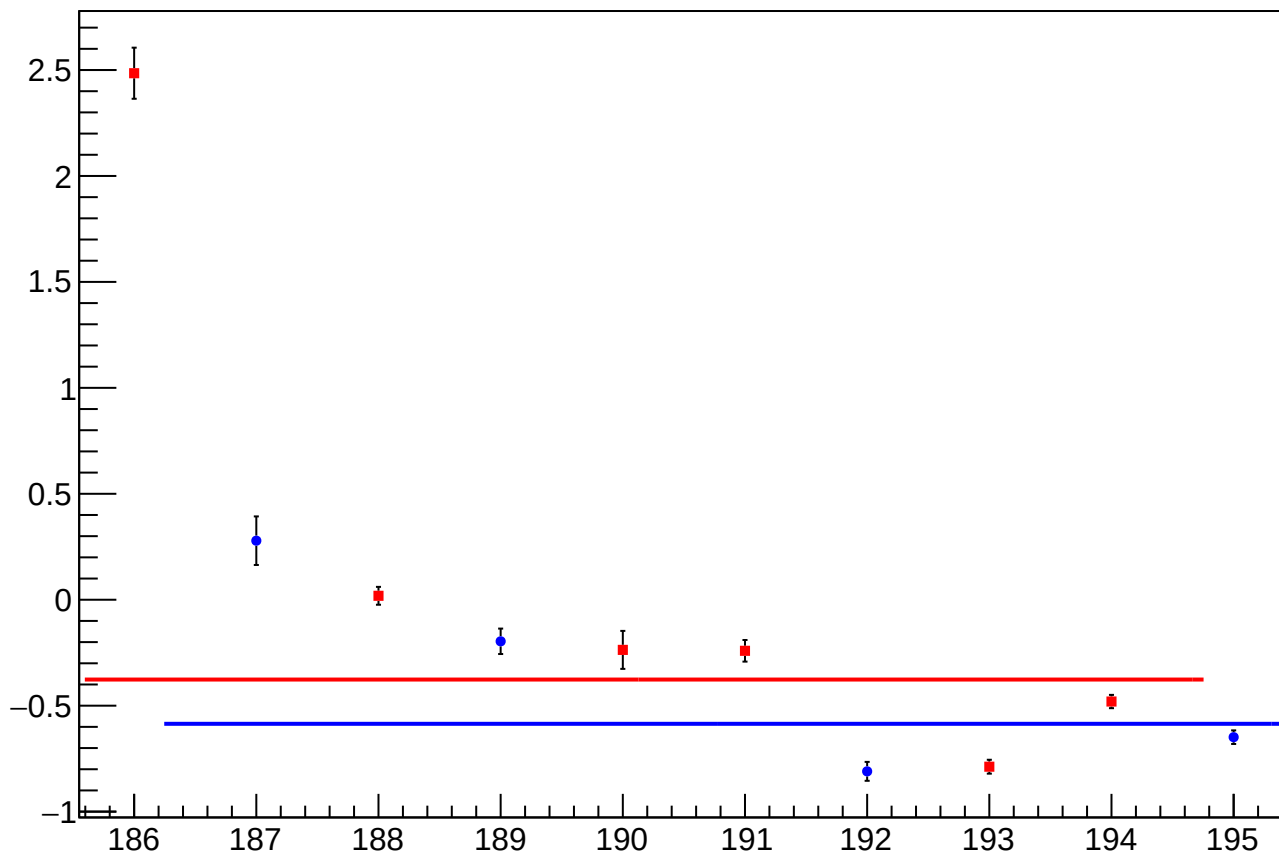
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 21.802 $\pm$ 0.417  $\chi^2$ /NDF: 1516.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $-0.377 \pm 0.018$   $\chi^2/\text{NDF}$ : 829.3/5

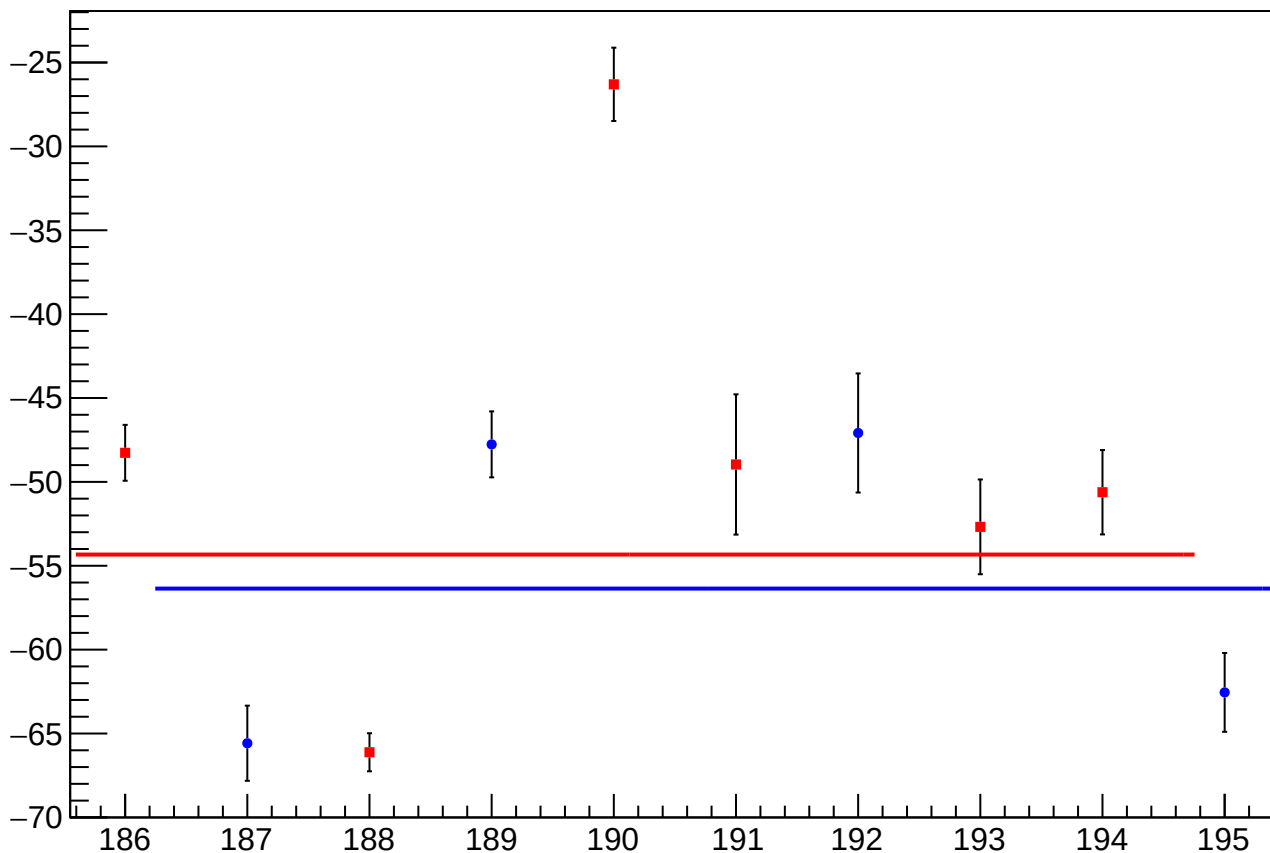
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.454 \pm 0.014$   $\chi^2/\text{NDF}$ : 1007.5/9

- 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:  $-54.331 \pm 0.770$   $\chi^2/\text{NDF}$ : 289.8/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

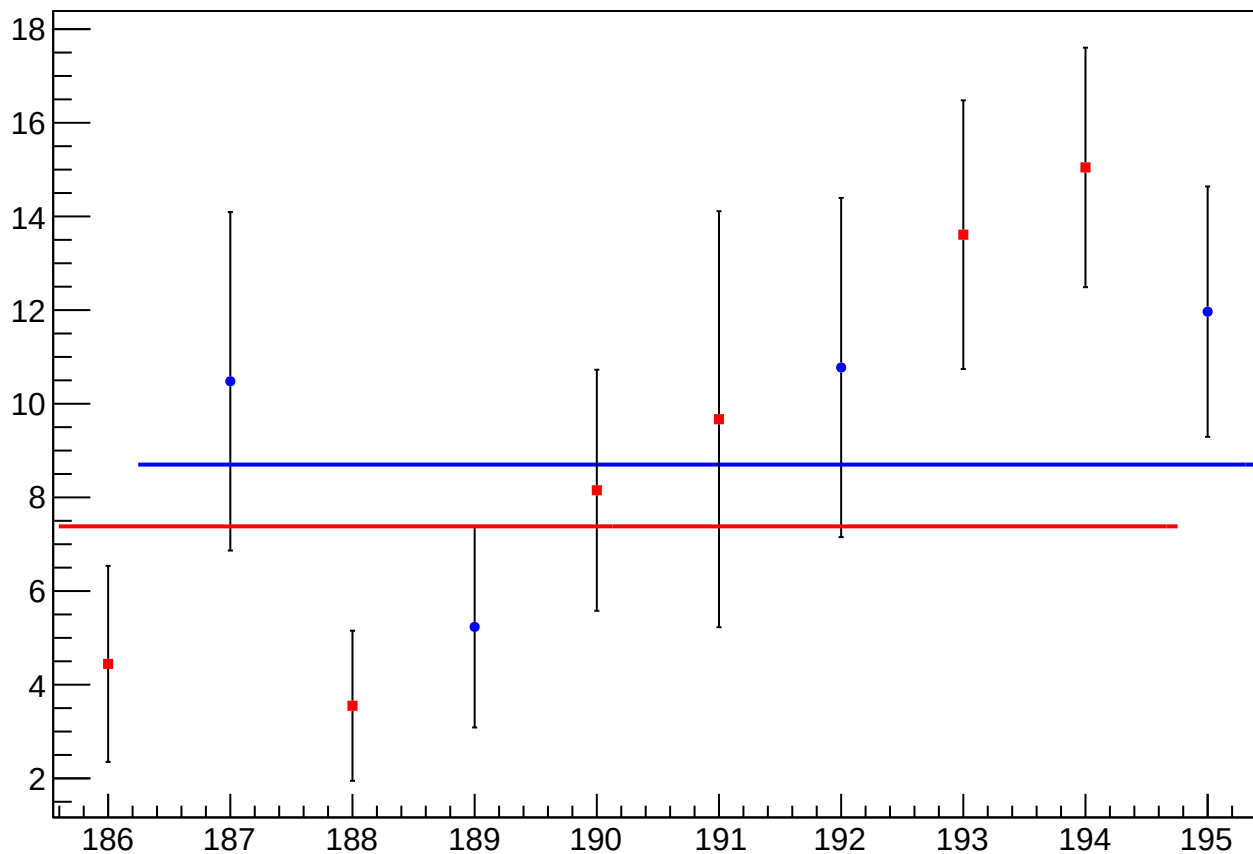
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-54.937 \pm 0.645$   $\chi^2/\text{NDF}$ : 341.6/9

- 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: 7.382 $\pm$ 0.956  $\chi^2$ /NDF: 21.7/5

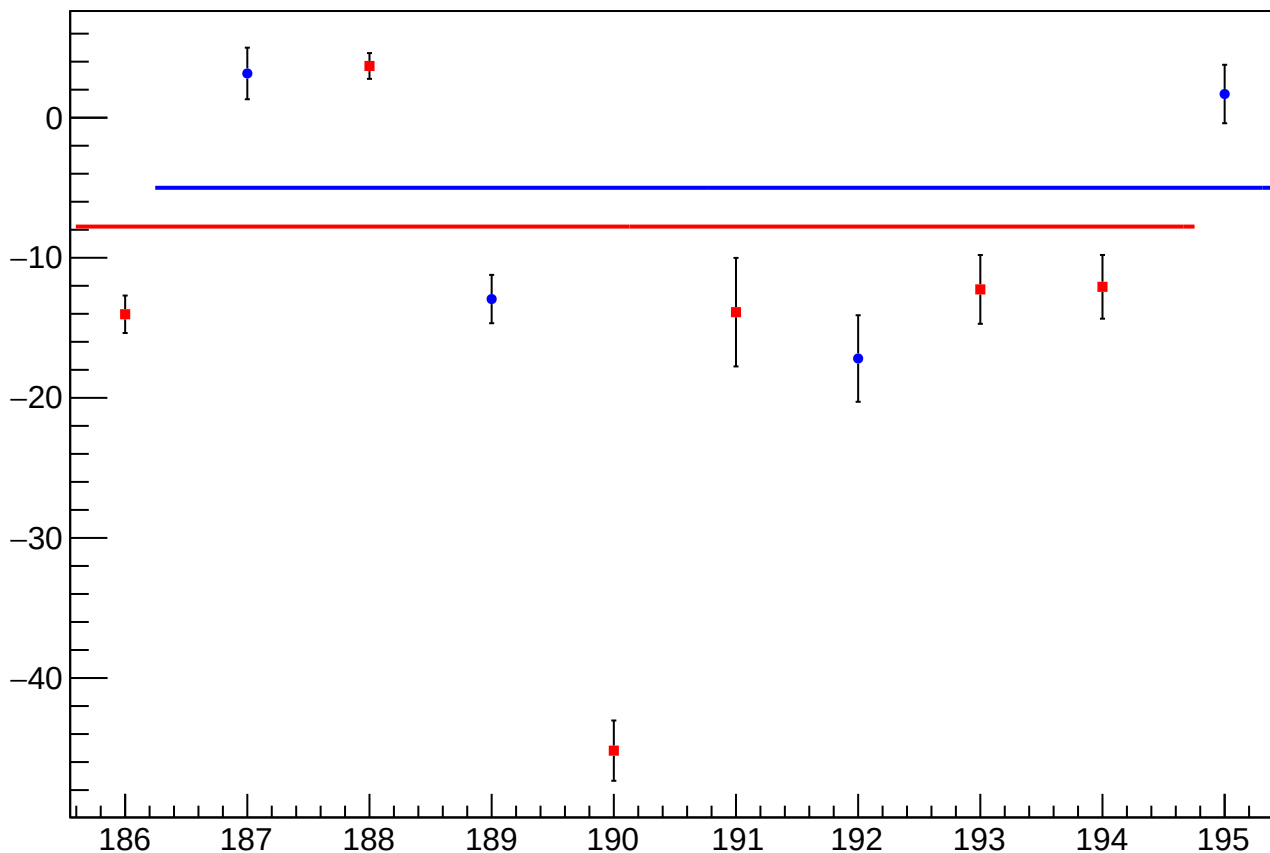
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.801 $\pm$ 0.790  $\chi^2$ /NDF: 27.0/9

- 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: -7.773 $\pm$ 0.648  $\chi^2$ /NDF: 488.8/5

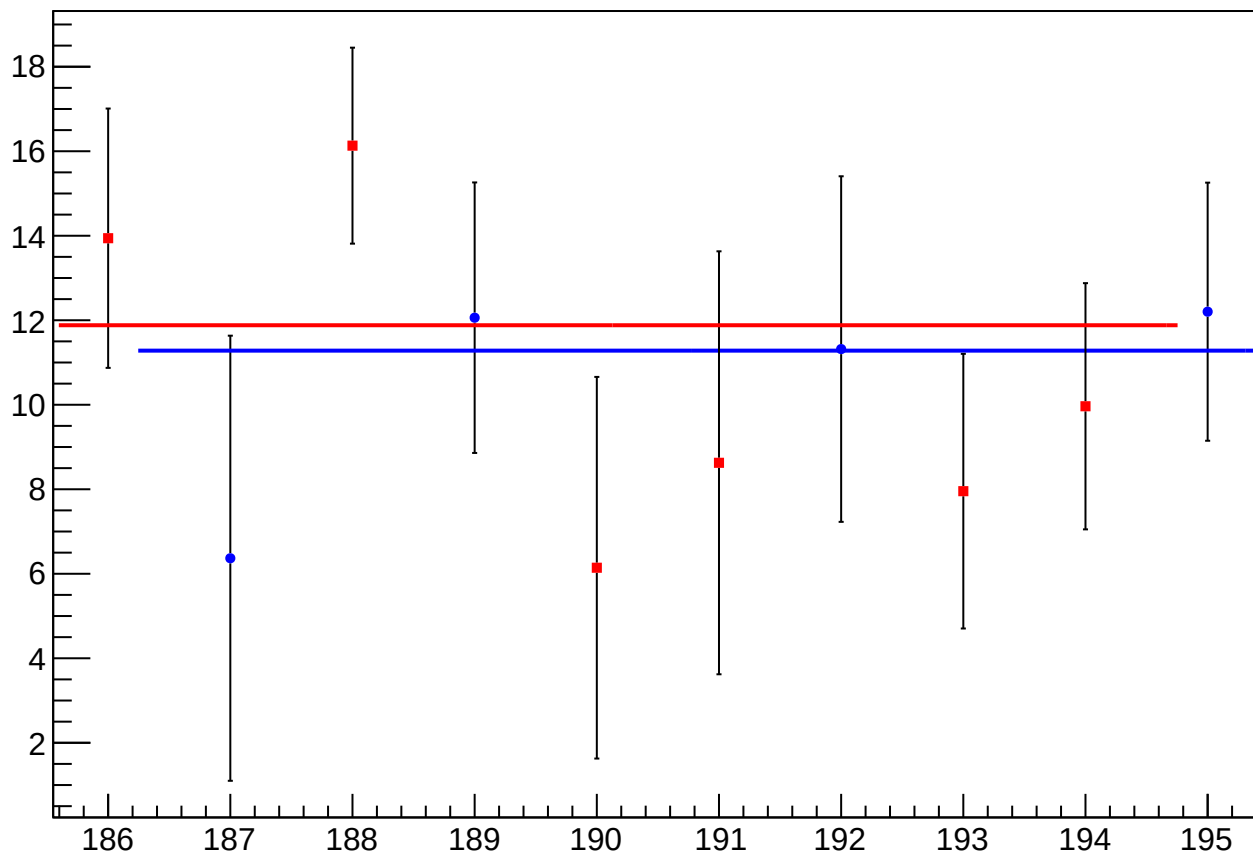
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -6.974 $\pm$ 0.546  $\chi^2$ /NDF: 560.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug



Right In: 11.281 $\pm$ 1.824  $\chi^2$ /NDF: 1.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11.882 $\pm$ 1.298  $\chi^2$ /NDF: 7.7/5

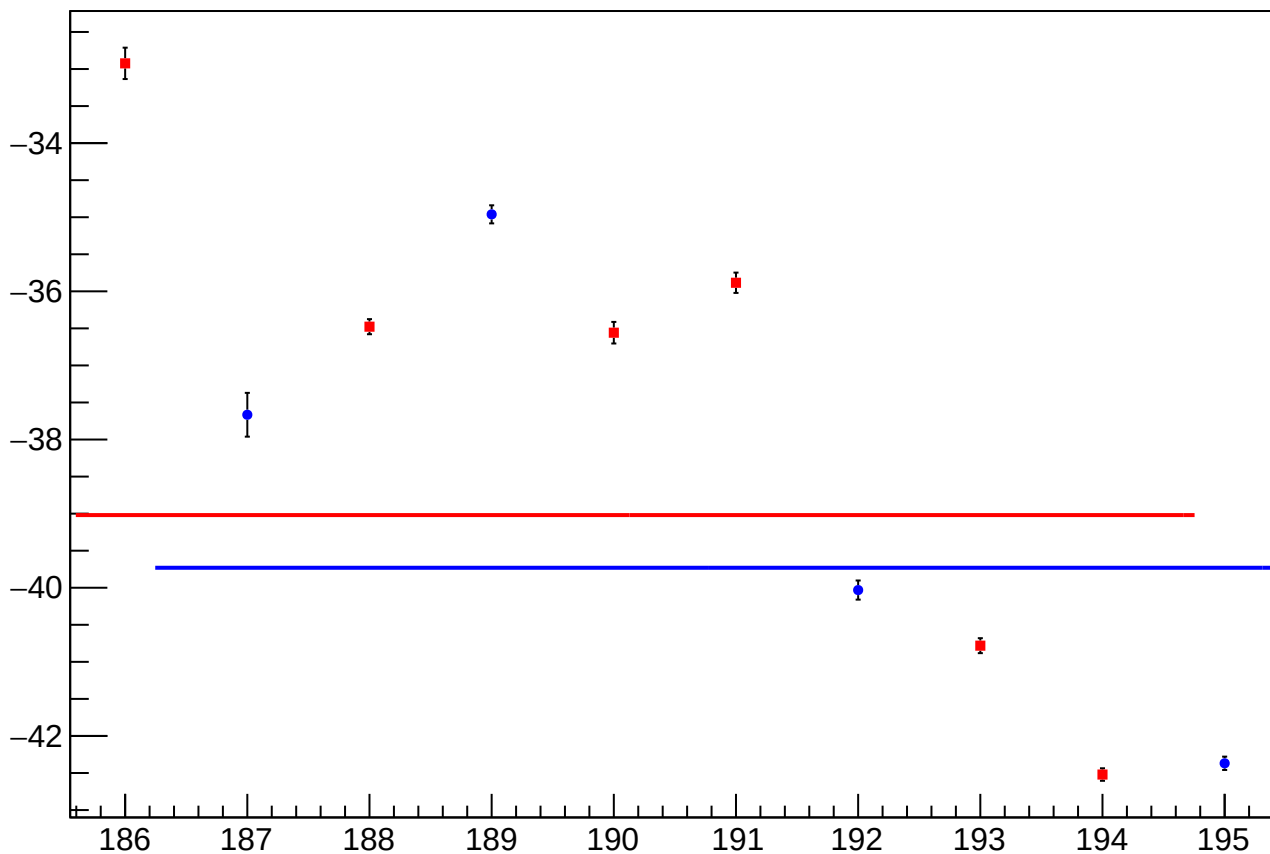
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 11.680 $\pm$ 1.058  $\chi^2$ /NDF: 8.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $-39.020 \pm 0.047$   $\chi^2/\text{NDF}$ : 4285.6/5

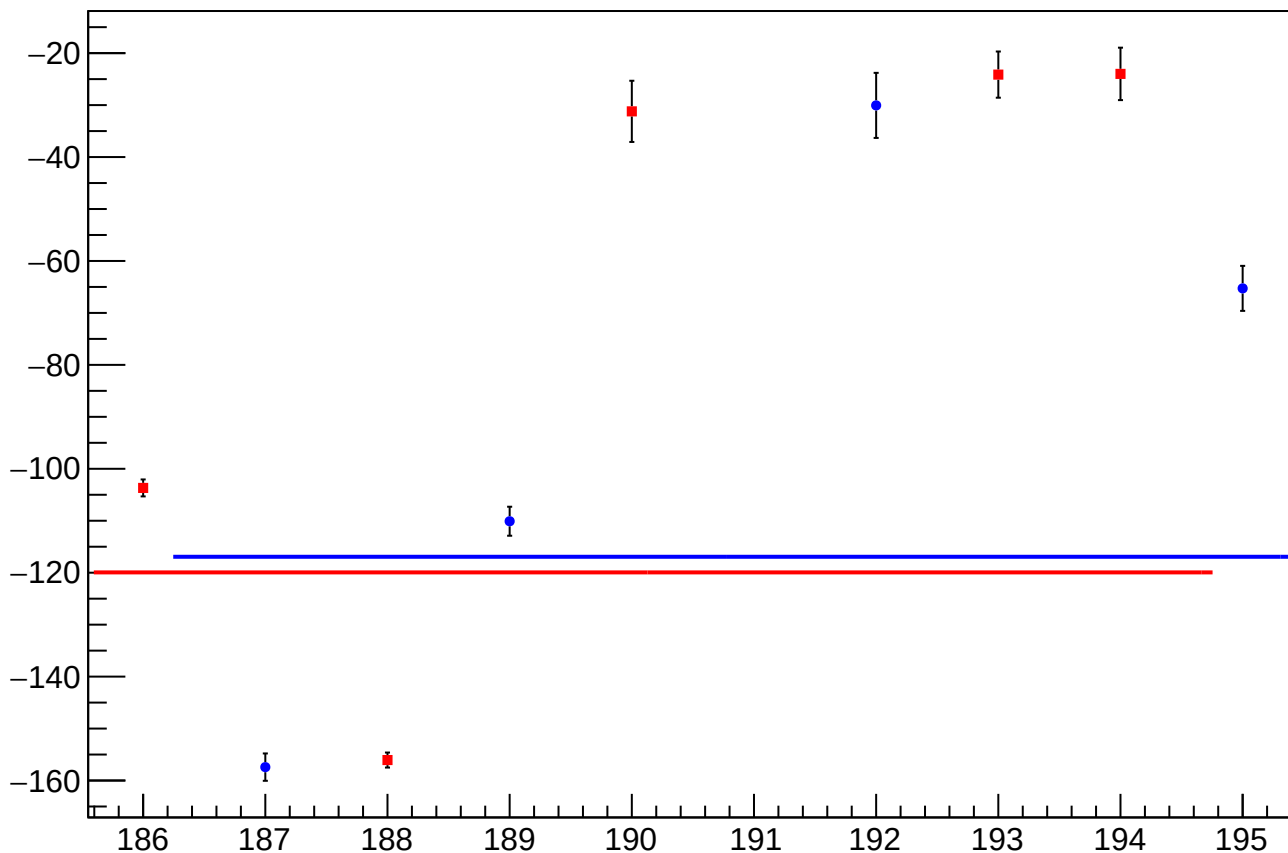
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-39.279 \pm 0.037$   $\chi^2/\text{NDF}$ : 6813.6/9

- 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+/-1.687  $\chi^2/\text{NDF}$ : 577.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -119.943+/-1.014  $\chi^2/\text{NDF}$ : 1776.5/4

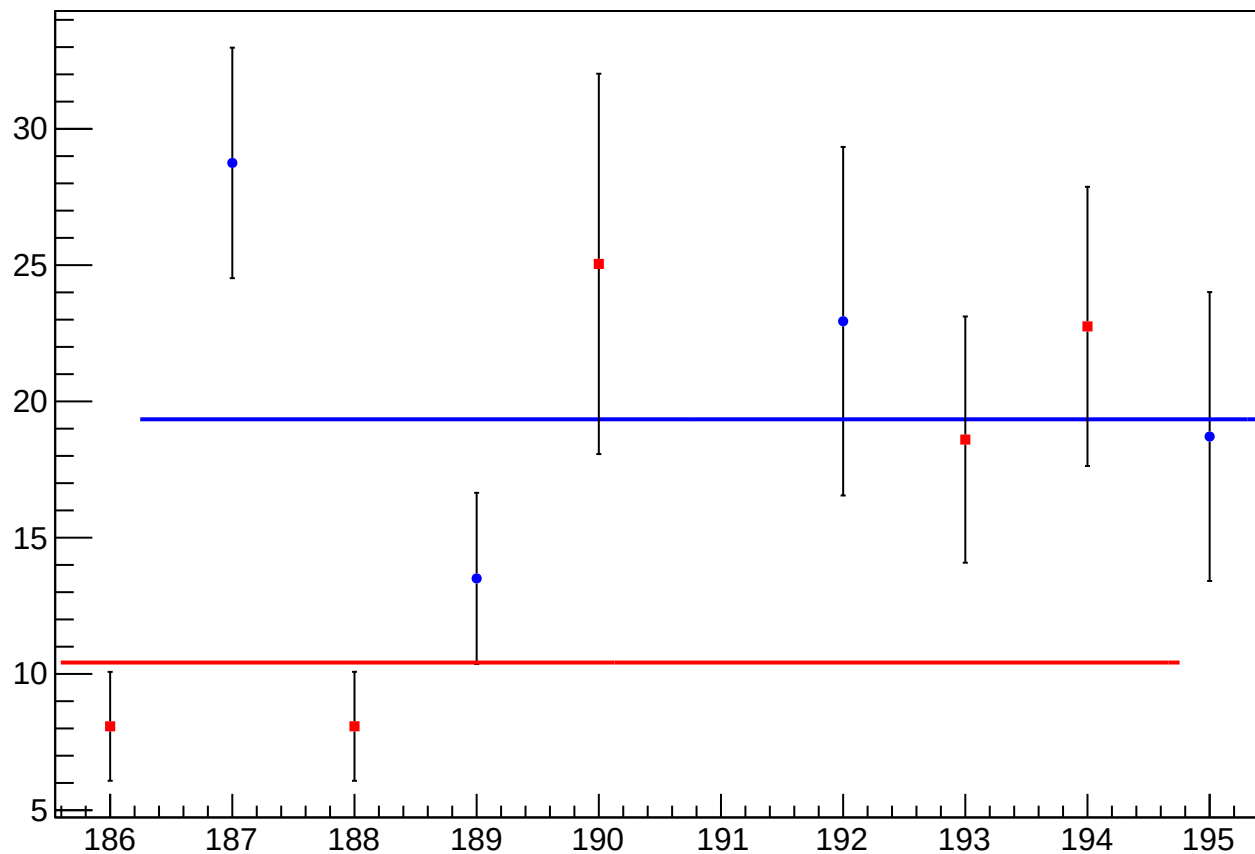
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -119.144+/-0.869  $\chi^2/\text{NDF}$ : 2356.2/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug



Right In: 19.343+/-2.145  $\chi^2/\text{NDF}$ : 8.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.418+/-1.282  $\chi^2/\text{NDF}$ : 16.2/4

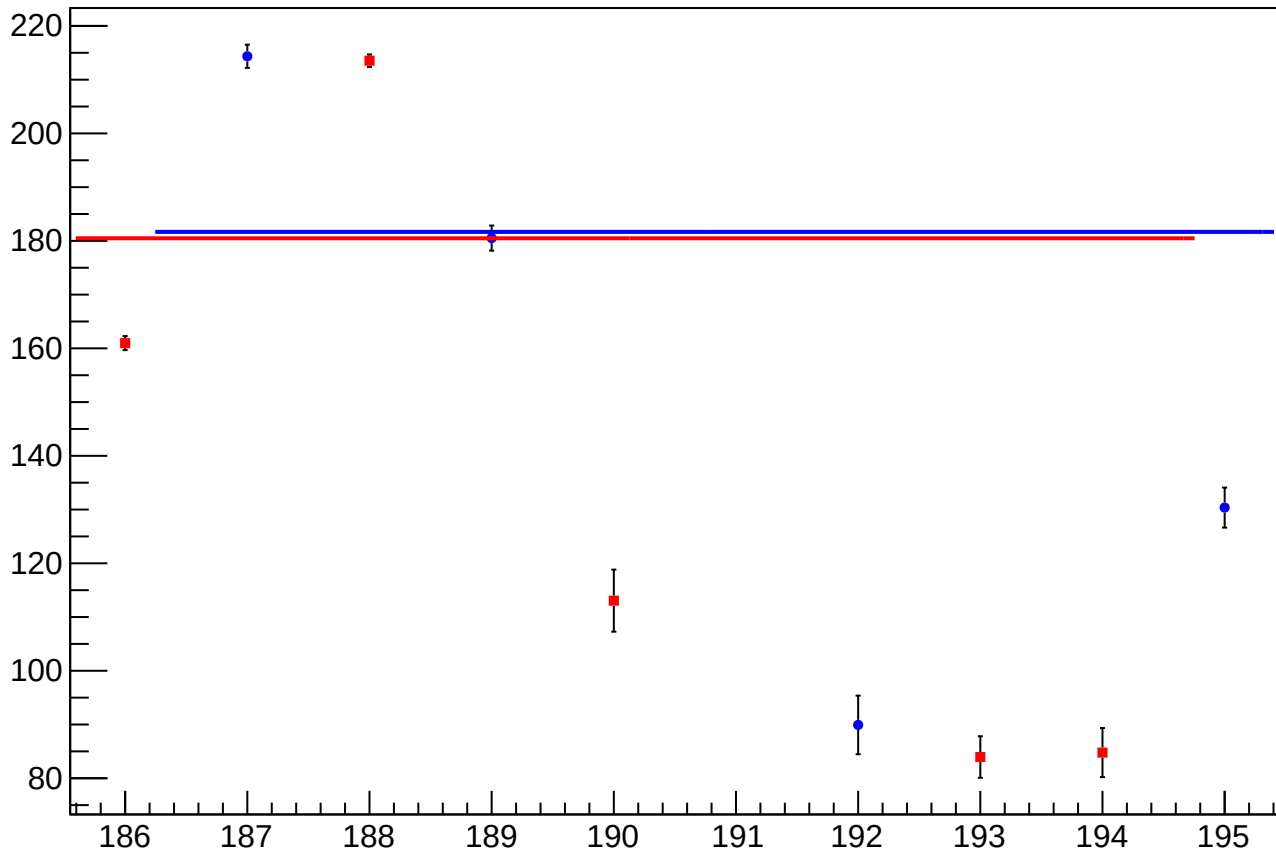
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 12.767+/-1.101  $\chi^2/\text{NDF}$ : 37.7/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 180.485 $\pm$ 0.823  $\chi^2$ /NDF: 2233.5/4

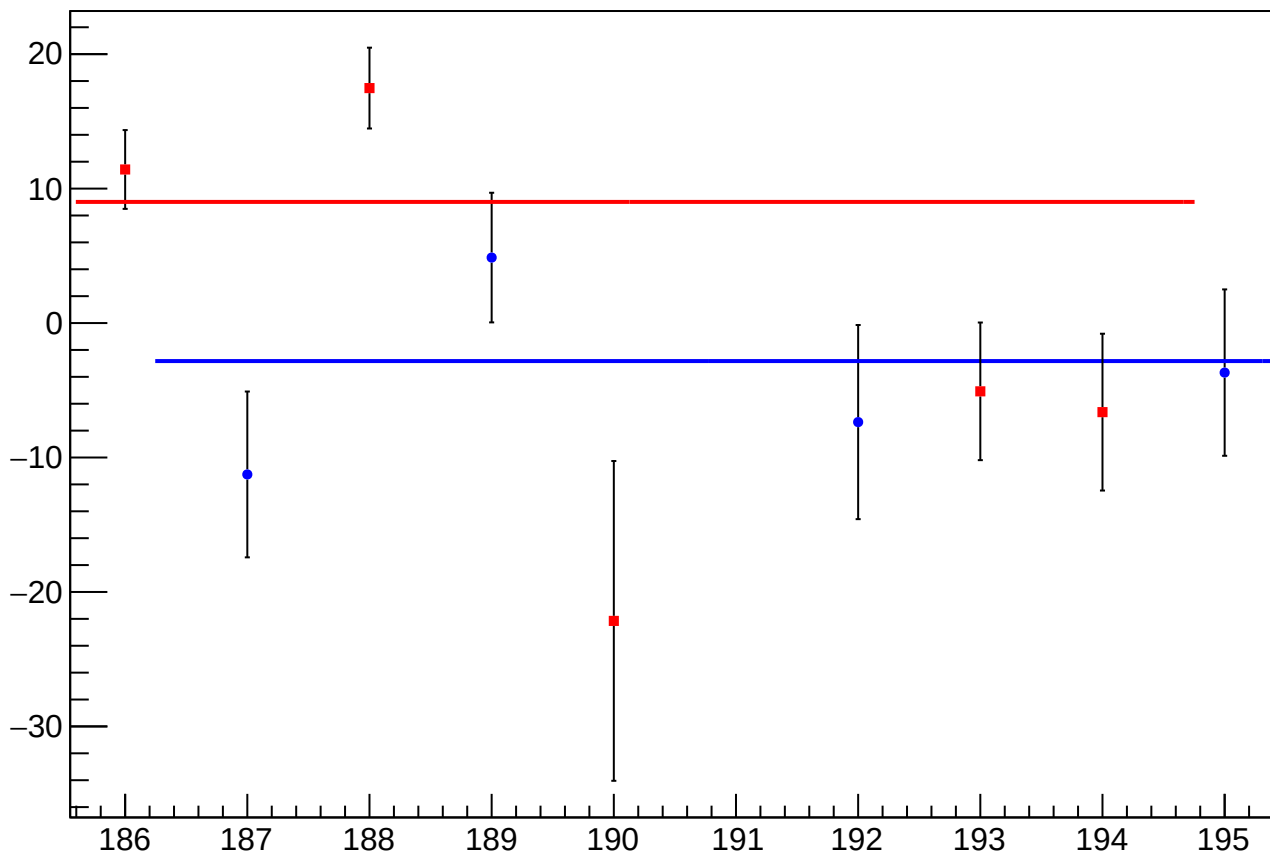
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 180.787 $\pm$ 0.711  $\chi^2$ /NDF: 2935.9/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug



Right In: -2.827+/-2.954  $\chi^2/\text{NDF}$ : 4.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.010+/-1.820  $\chi^2/\text{NDF}$ : 30.2/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

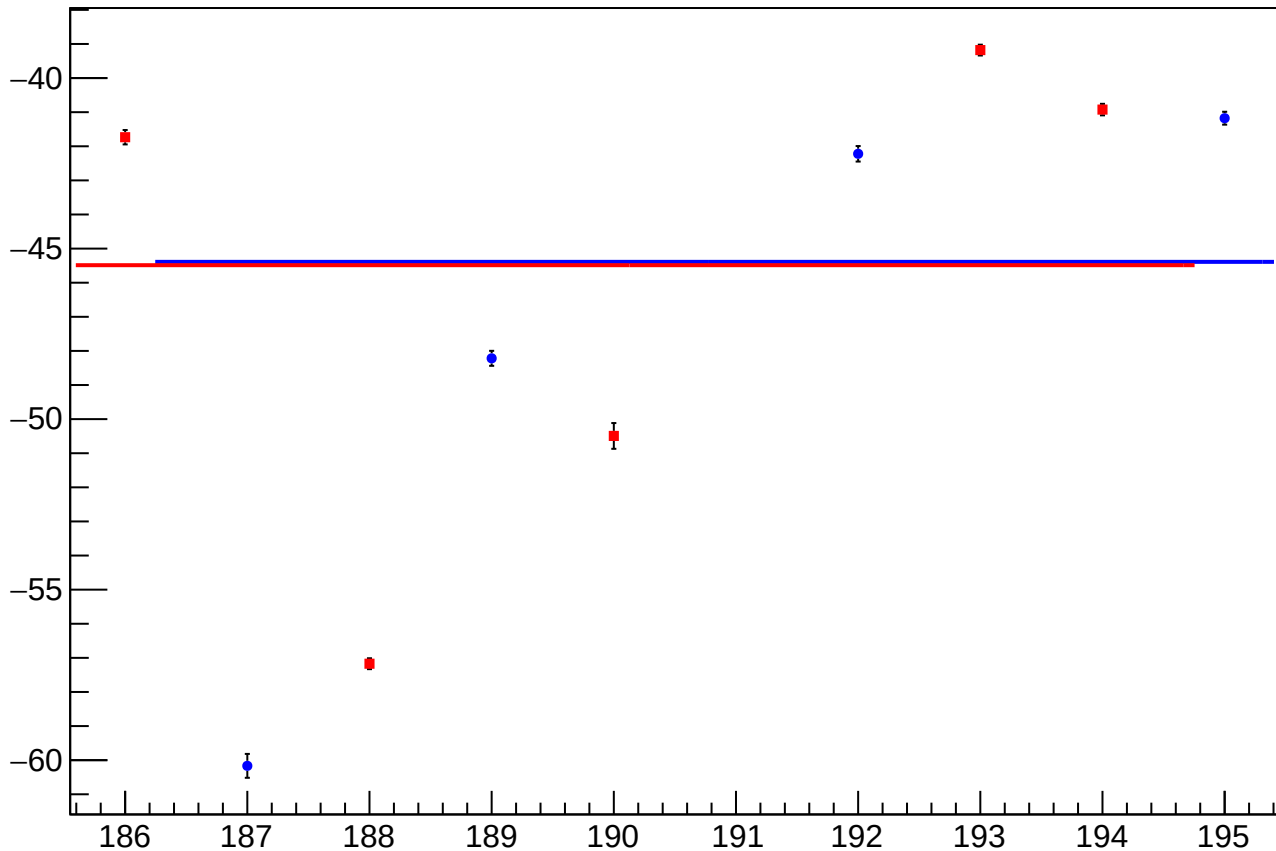
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.752+/-1.550  $\chi^2/\text{NDF}$ : 46.7/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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:  $-45.486 \pm 0.084$   $\chi^2/\text{NDF}$ : 8156.3/4

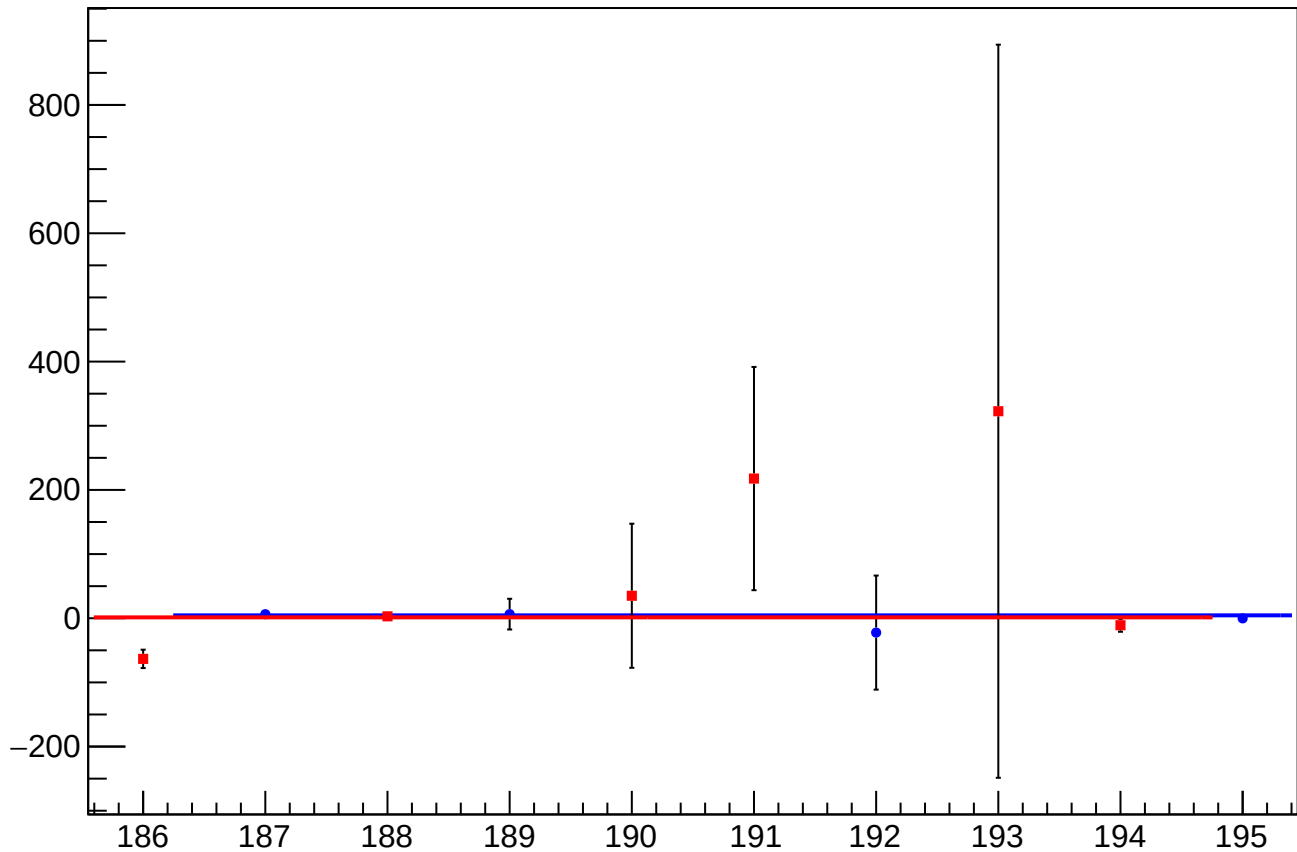
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-45.453 \pm 0.068$   $\chi^2/\text{NDF}$ : 10793.3/8

- 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: 1.349 $\pm$ 1.910  $\chi^2$ /NDF: 24.5/5

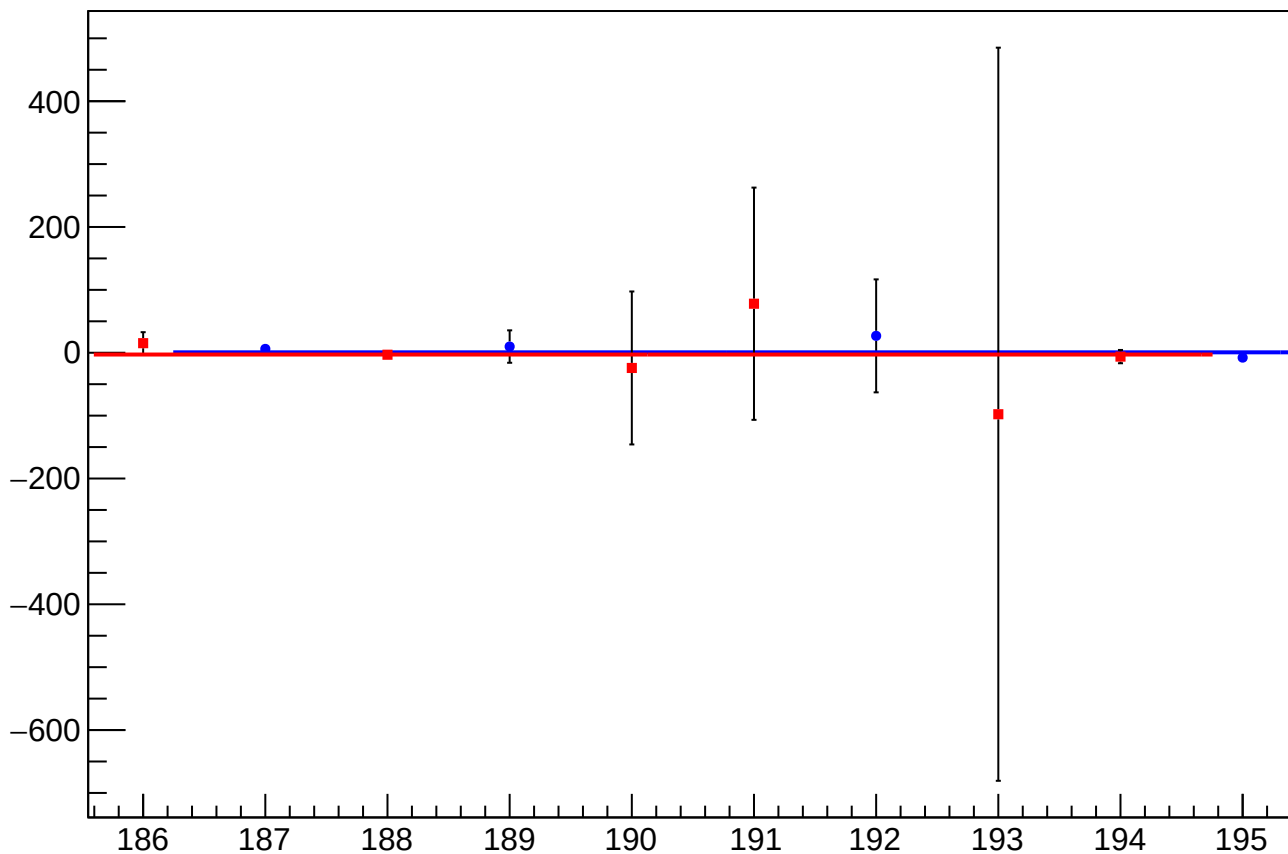
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.488 $\pm$ 1.527  $\chi^2$ /NDF: 26.9/9

- 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  $\chi^2$ /NDF: 3.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -2.839 $\pm$ 2.980  $\chi^2$ /NDF: 1.4/5

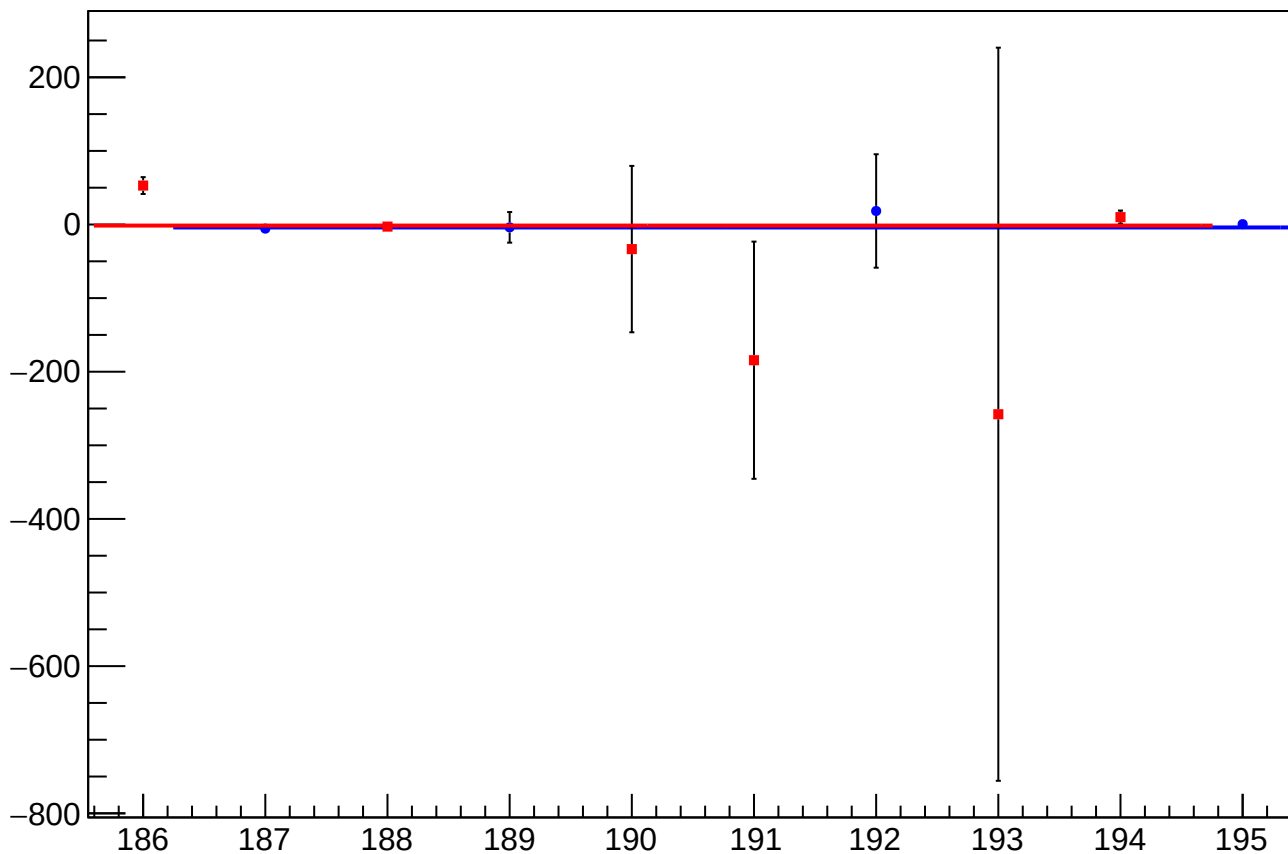
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1.455 $\pm$ 2.316  $\chi^2$ /NDF: 5.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $-1.440 \pm 1.548$   $\chi^2/\text{NDF}$ : 26.5/5

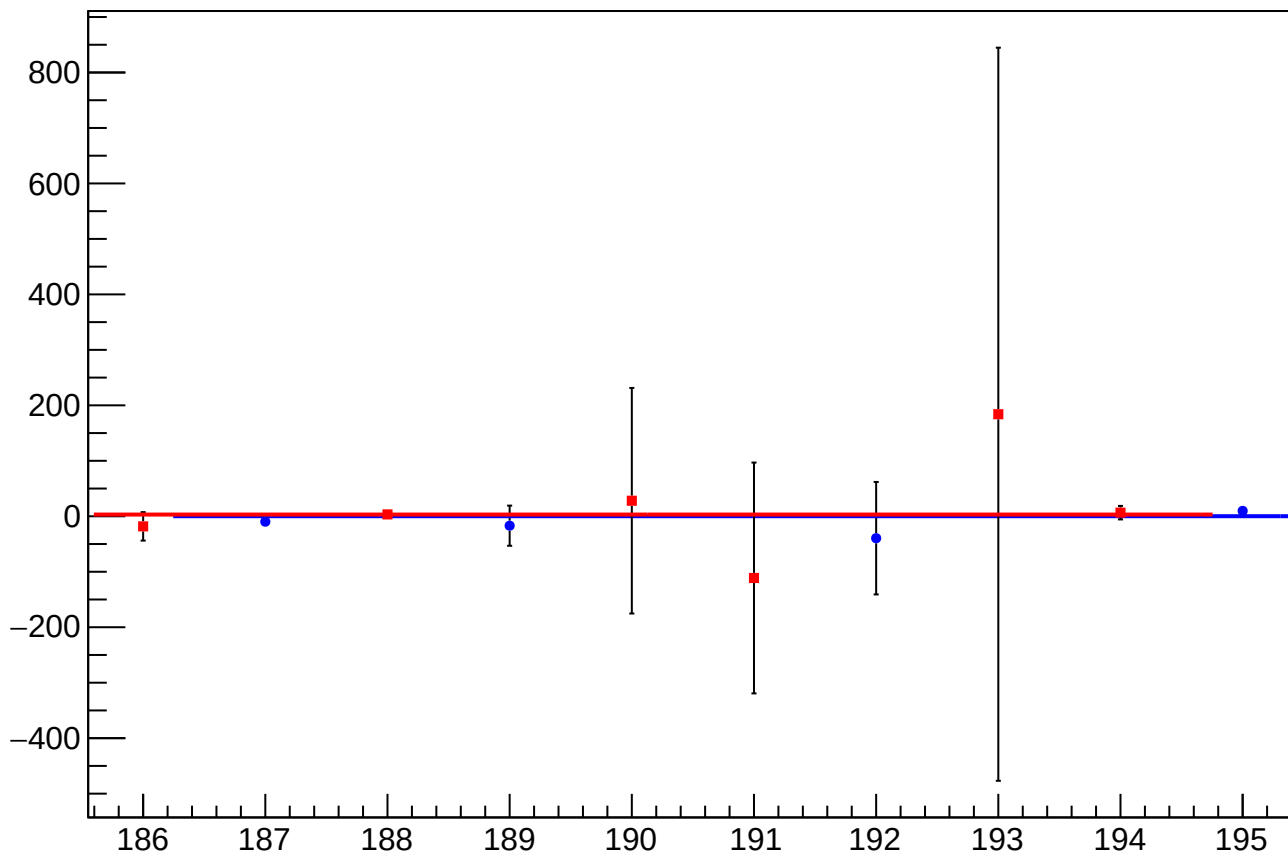
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.330 \pm 1.251$   $\chi^2/\text{NDF}$ : 29.1/9

- 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+/-4.822  $\chi^2/\text{NDF}$ : 4.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.118+/-4.331  $\chi^2/\text{NDF}$ : 1.2/5

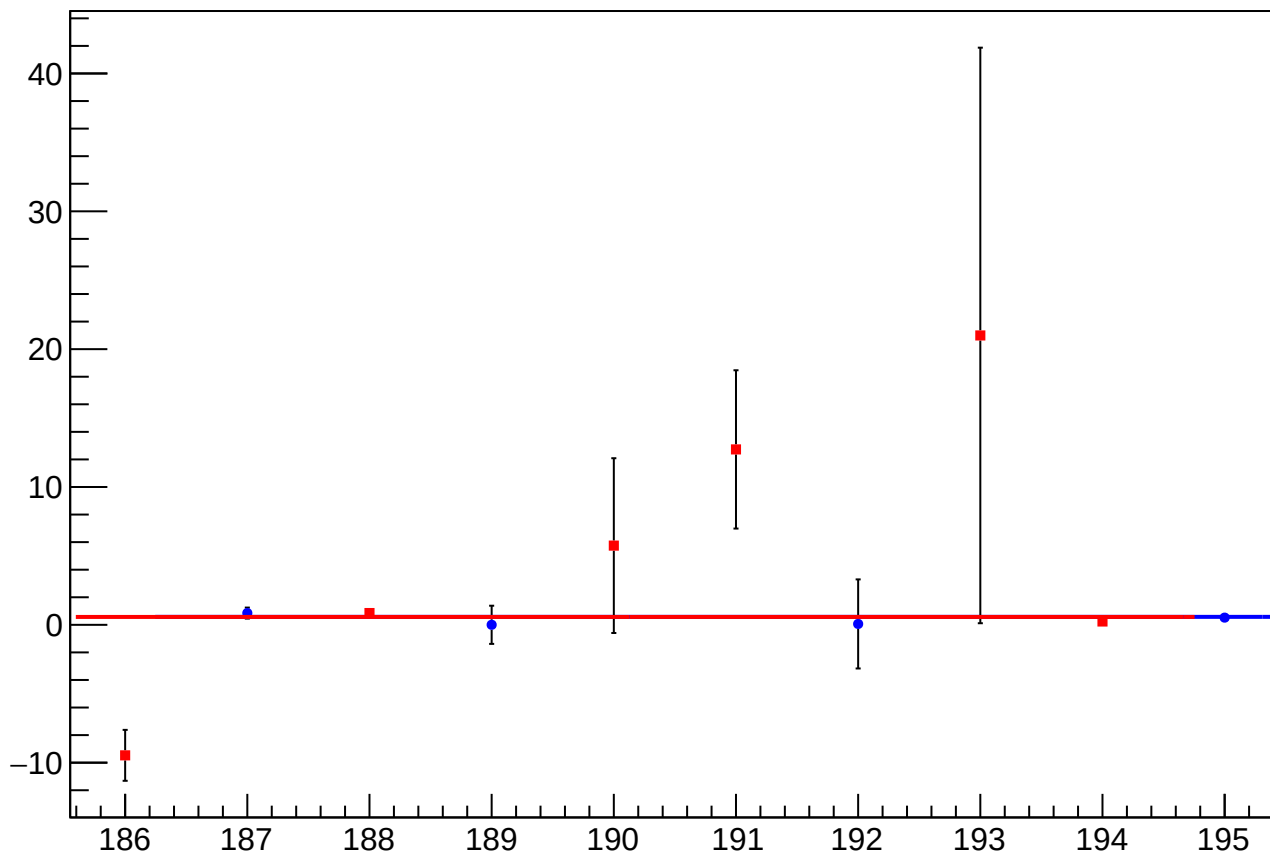
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.786+/-3.222  $\chi^2/\text{NDF}$ : 5.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 0.573 $\pm$ 0.200  $\chi^2$ /NDF: 37.8/5

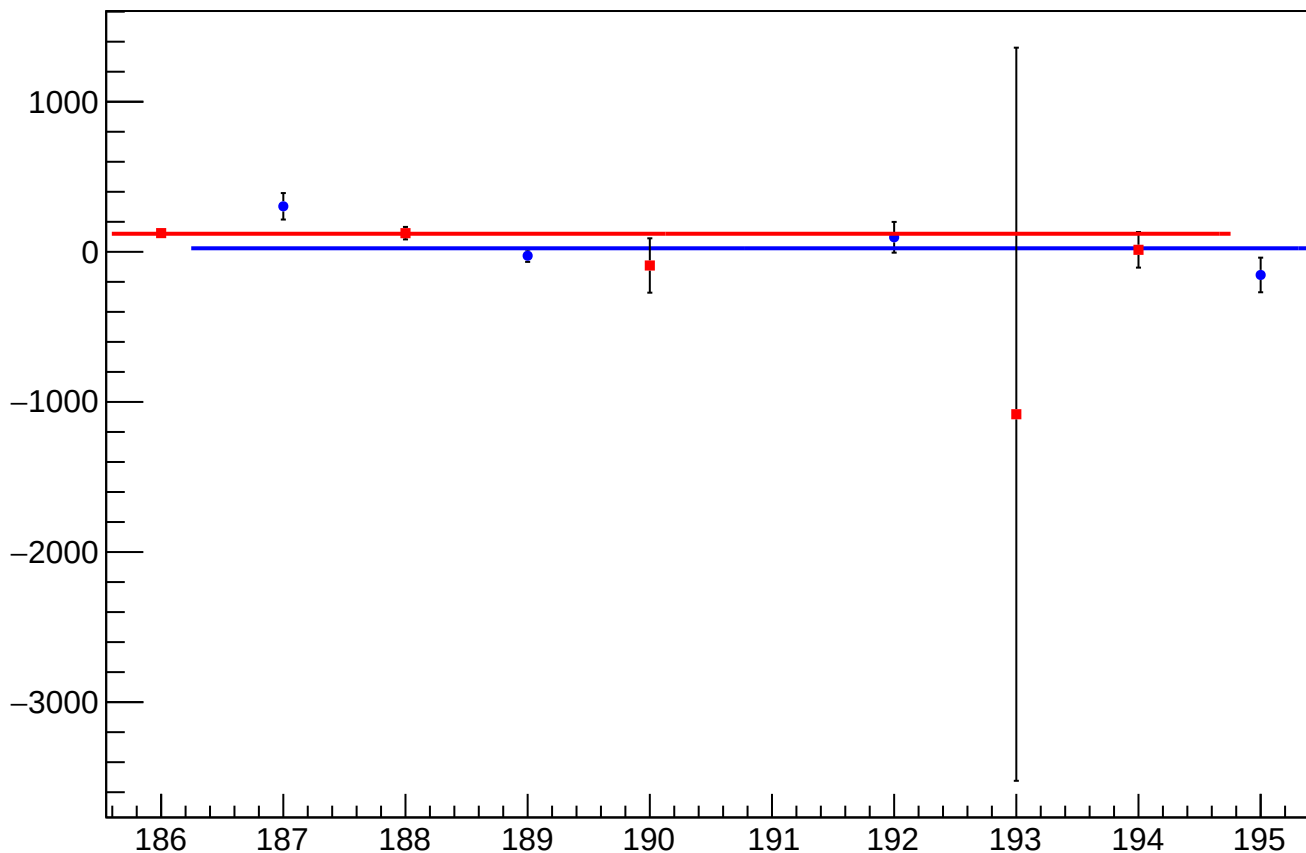
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.576 $\pm$ 0.133  $\chi^2$ /NDF: 38.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsr\_diff\_bpm1X\_slope vs Slug



Right In: 23.664+/-33.434  $\chi^2/\text{NDF}$ : 14.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 120.465+/-16.899  $\chi^2/\text{NDF}$ : 2.5/4

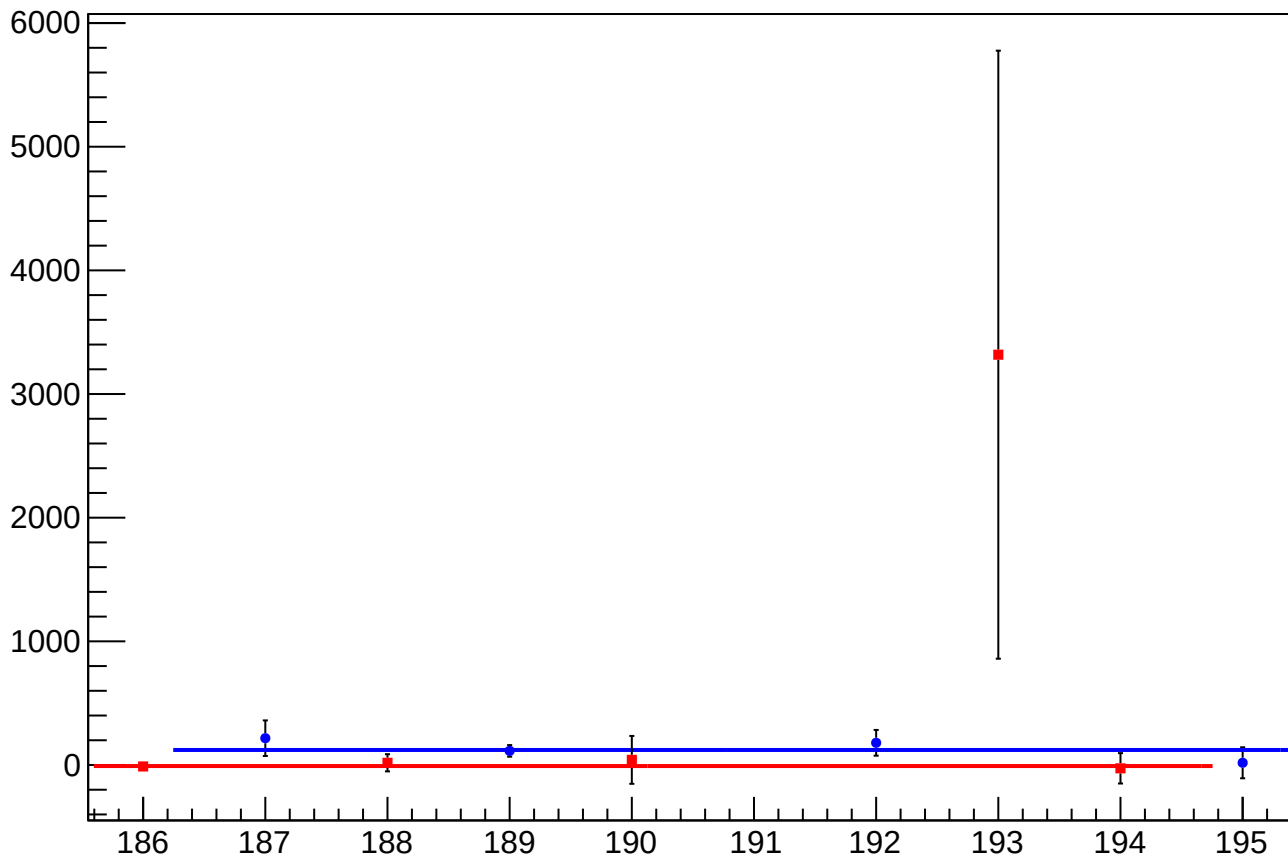
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 100.767+/-15.082  $\chi^2/\text{NDF}$ : 23.6/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: -8.575+/-21.567  $\chi^2/\text{NDF}$ : 2.1/4

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

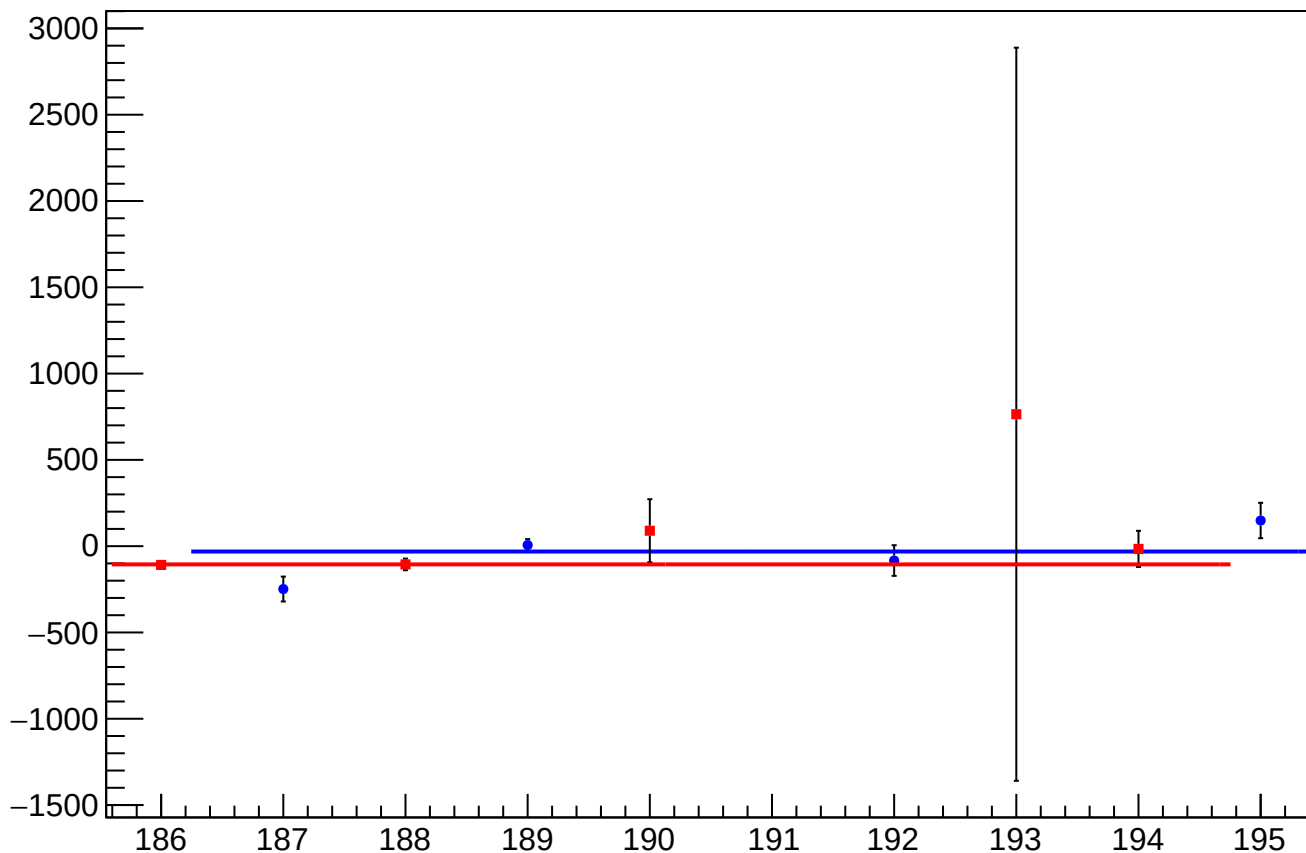
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 21.933+/-18.868  $\chi^2/\text{NDF}$ : 12.1/8

- 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  $\chi^2$ /NDF: 13.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -105.532 $\pm$ 13.631  $\chi^2$ /NDF: 2.1/4

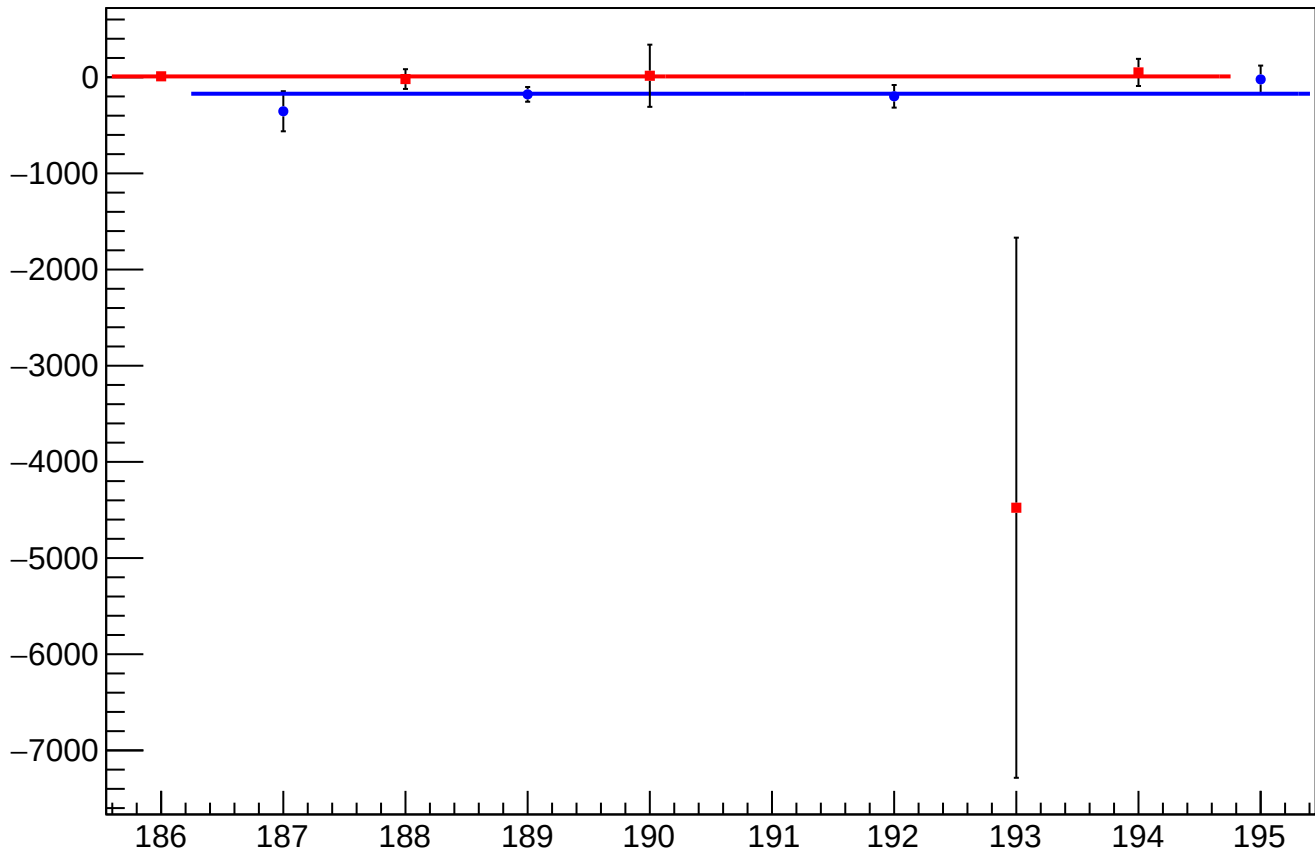
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -91.476 $\pm$ 12.278  $\chi^2$ /NDF: 21.4/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug



Right In: -171.787+/-56.442  $\chi^2/\text{NDF}$ : 1.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.174+/-31.351  $\chi^2/\text{NDF}$ : 2.7/4

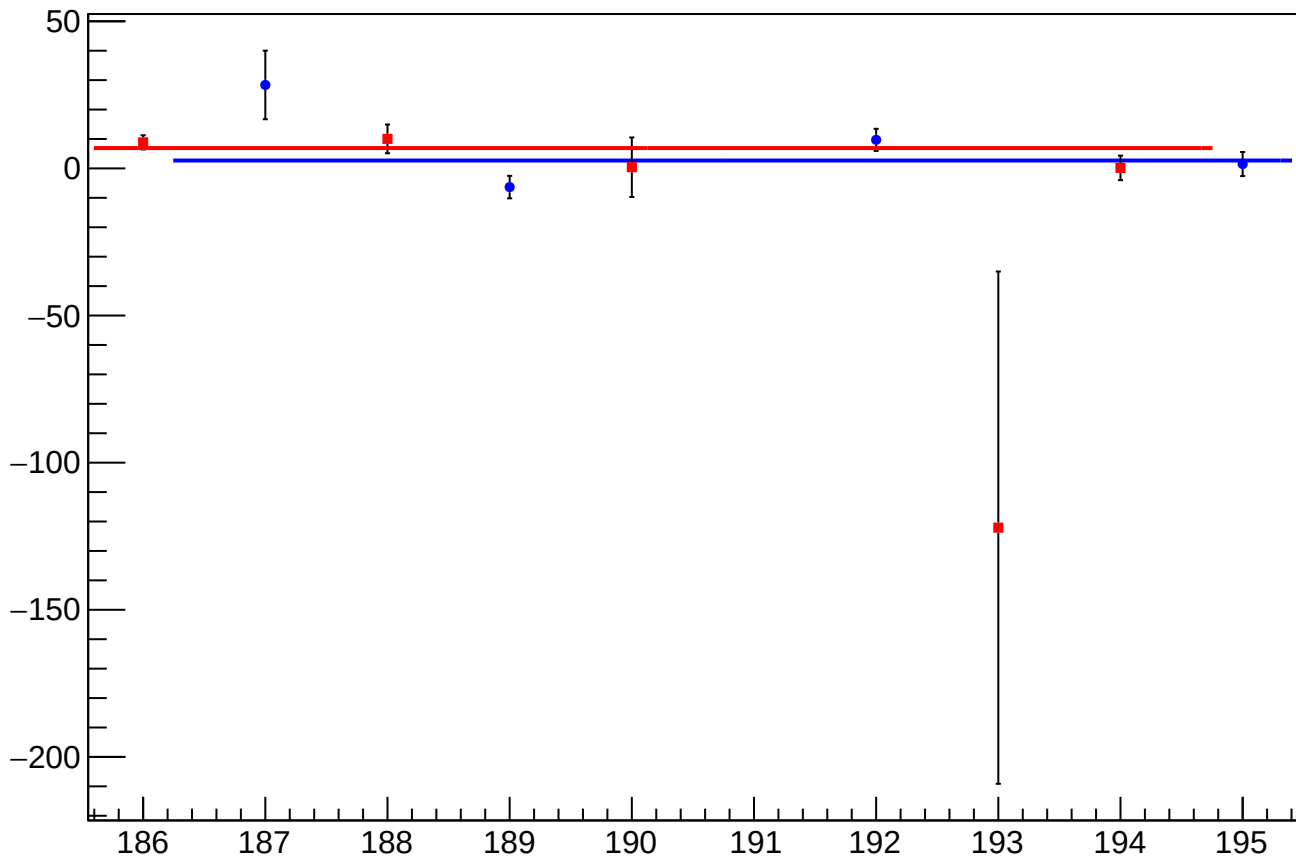
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -34.258+/-27.407  $\chi^2/\text{NDF}$ : 12.4/8

- sign 0.000+/-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: 6.909 $\pm$ 1.882  $\chi^2$ /NDF: 6.3/4

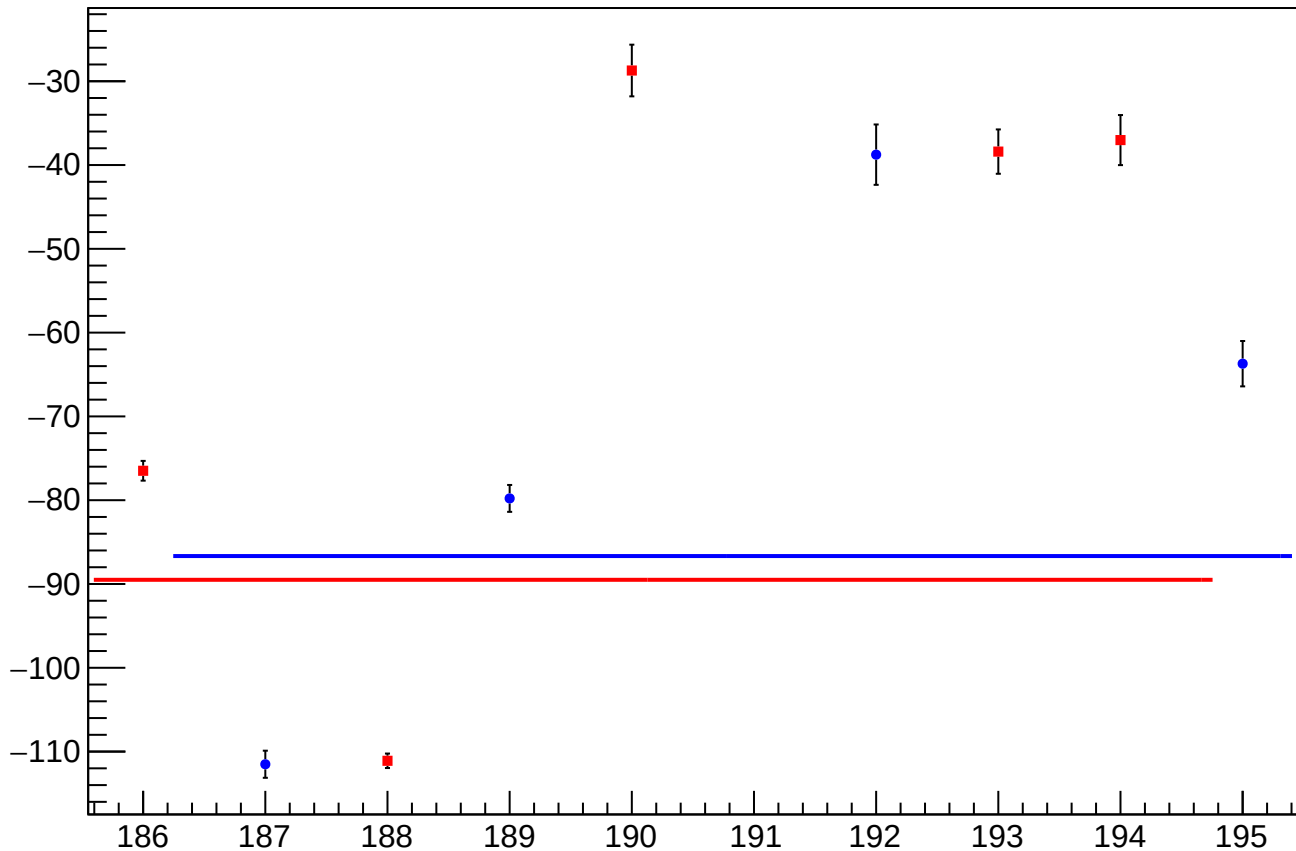
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.122 $\pm$ 1.430  $\chi^2$ /NDF: 22.5/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-86.666 \pm 1.008$   $\chi^2/\text{NDF}$ : 503.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-89.500 \pm 0.643$   $\chi^2/\text{NDF}$ : 1816.8/4

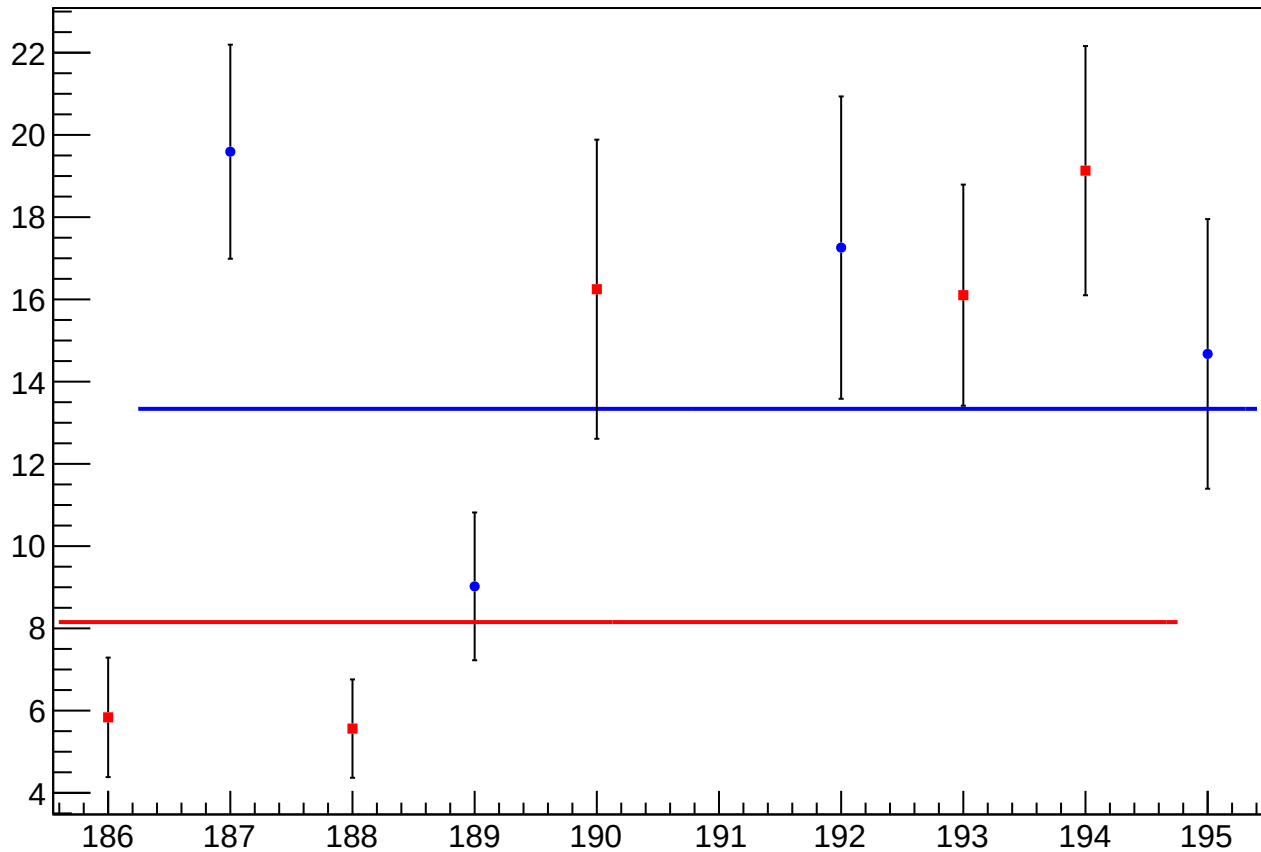
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-88.681 \pm 0.542$   $\chi^2/\text{NDF}$ : 2325.5/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 8.153+/-0.818  $\chi^2/\text{NDF}$ : 34.1/4

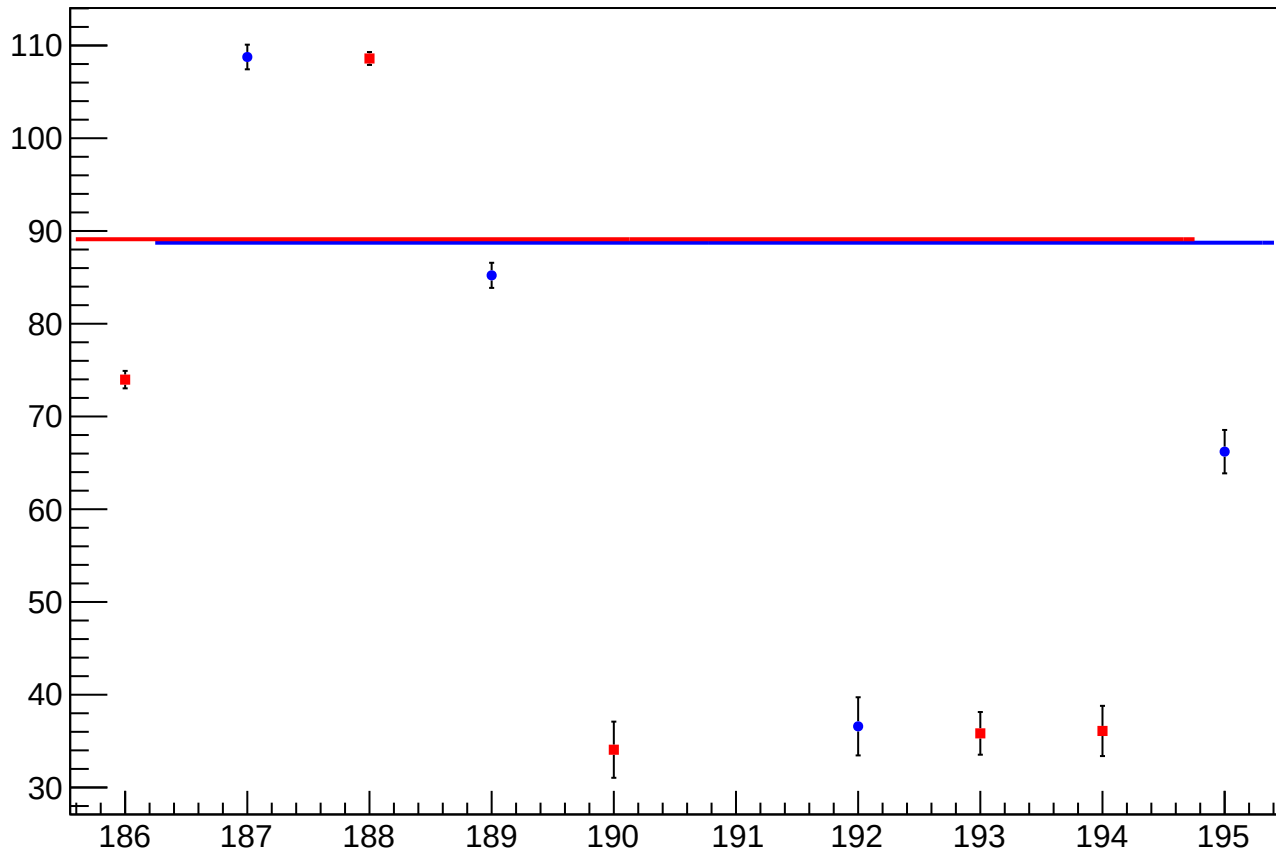
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.681+/-0.687  $\chi^2/\text{NDF}$ : 58.7/8

- 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 $\pm$ 0.846  $\chi^2$ /NDF: 603.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 89.110 $\pm$ 0.524  $\chi^2$ /NDF: 2295.9/4

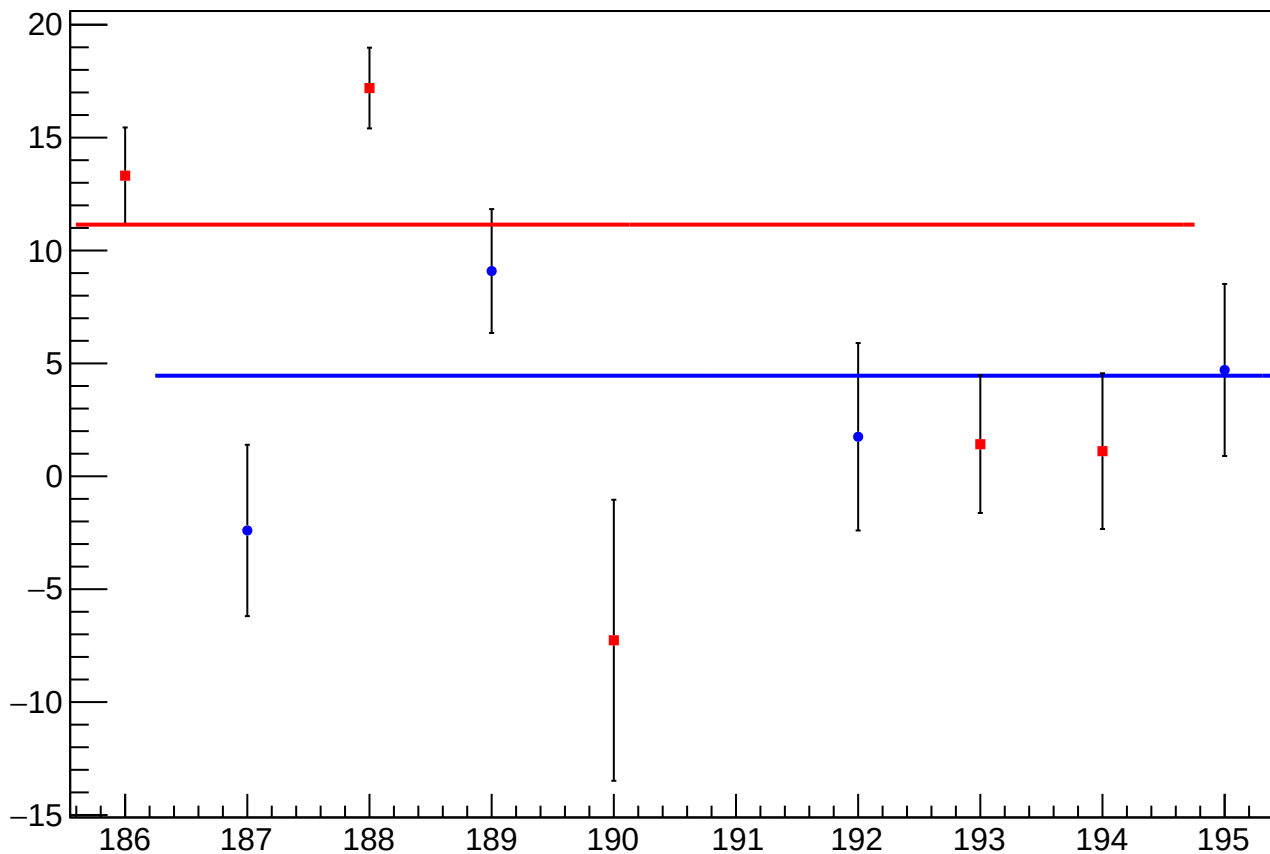
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 89.007 $\pm$ 0.446  $\chi^2$ /NDF: 2899.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 4.455 $\pm$ 1.743  $\chi^2$ /NDF: 6.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11.146 $\pm$ 1.155  $\chi^2$ /NDF: 39.9/4

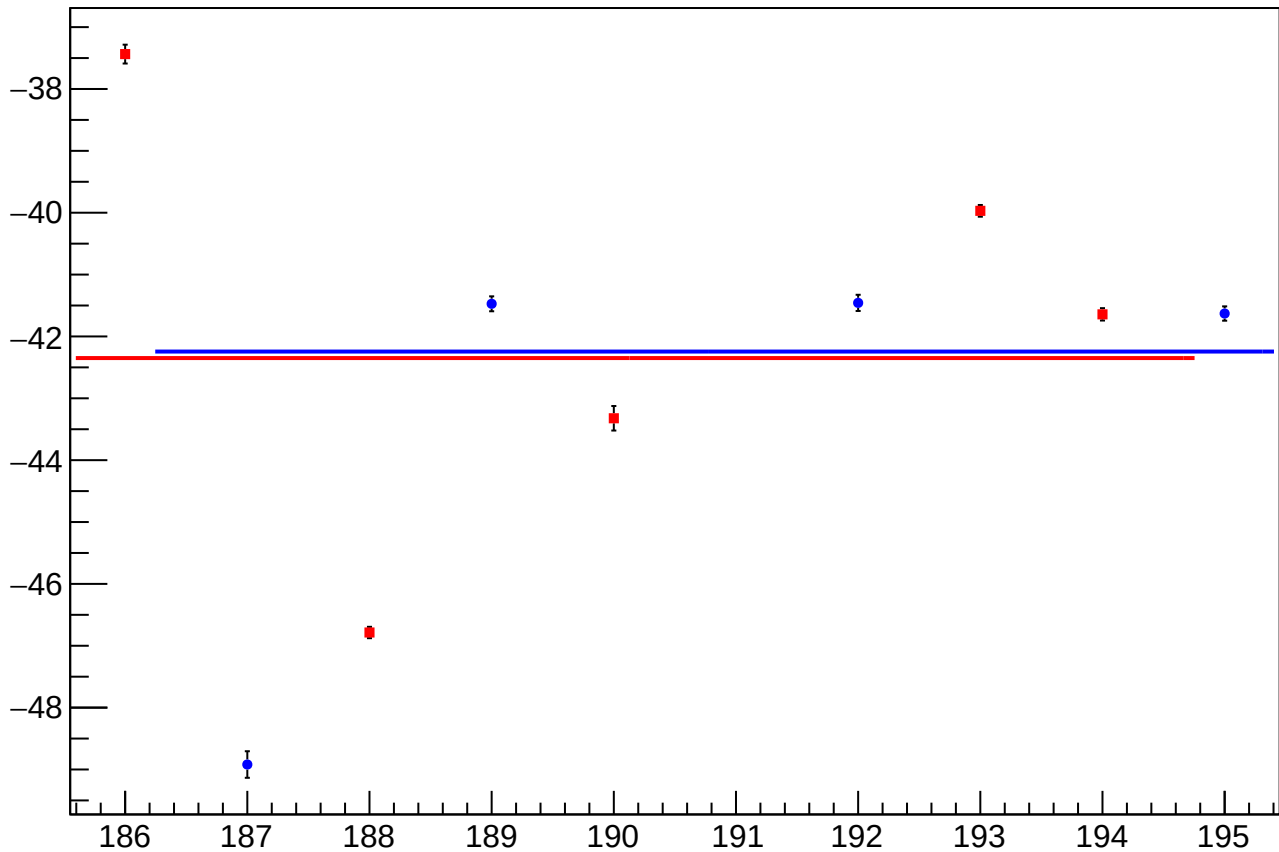
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 9.105 $\pm$ 0.963  $\chi^2$ /NDF: 56.7/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $-42.350 \pm 0.050$   $\chi^2/\text{NDF}$ : 4075.7/4

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

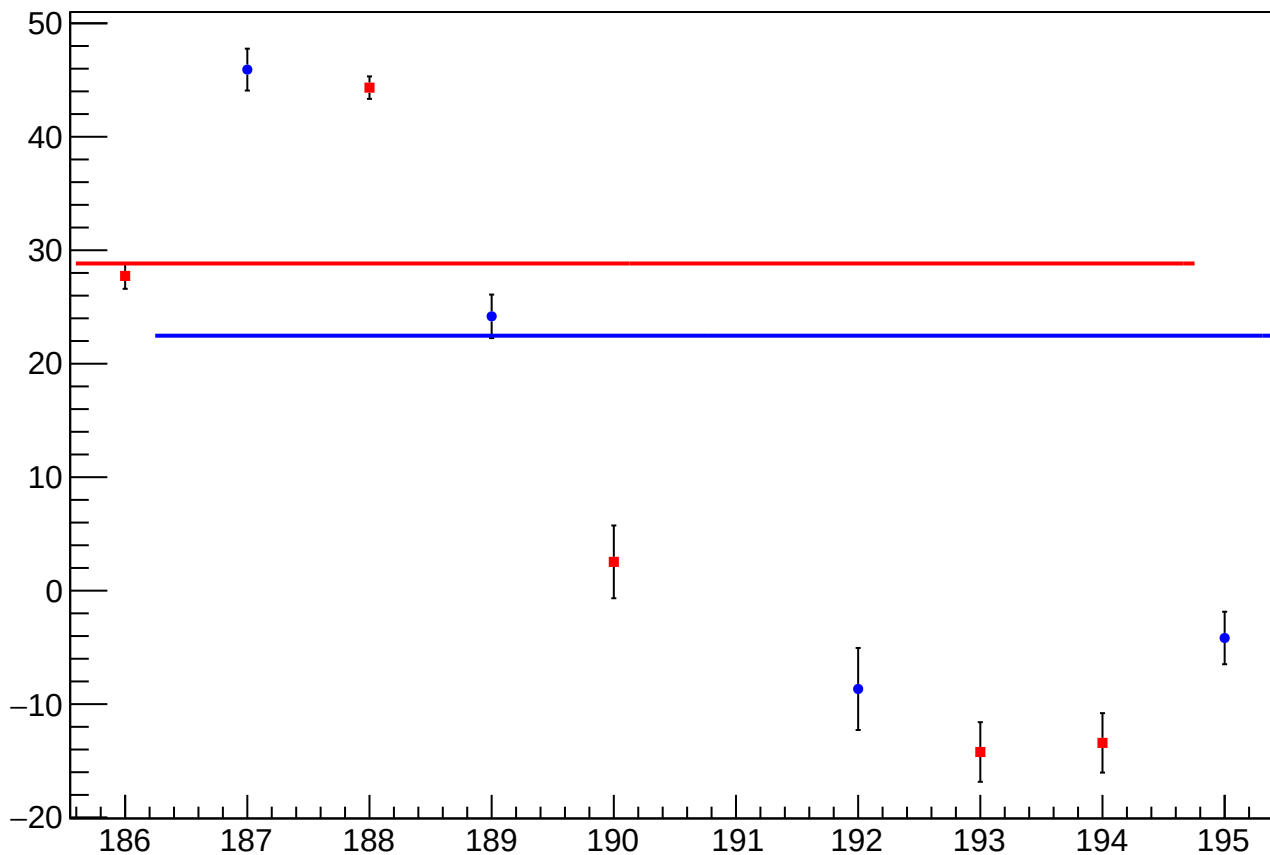
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-42.312 \pm 0.040$   $\chi^2/\text{NDF}$ : 5149.4/8

- 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: 28.833+/-0.677  $\chi^2/\text{NDF}$ : 842.1/4

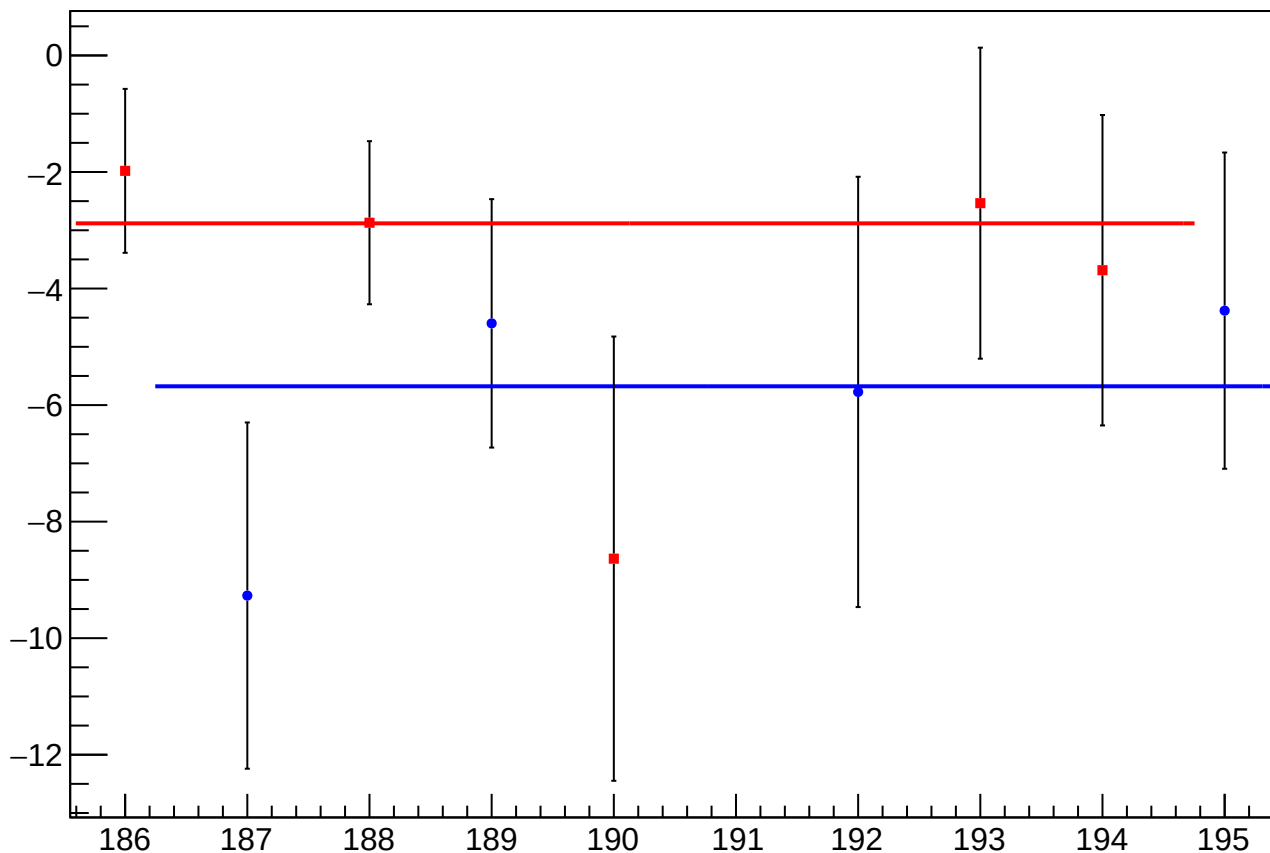
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 27.083+/-0.576  $\chi^2/\text{NDF}$ : 1235.3/8

- 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:  $-2.881 \pm 0.856$   $\chi^2/\text{NDF}$ : 2.8/4

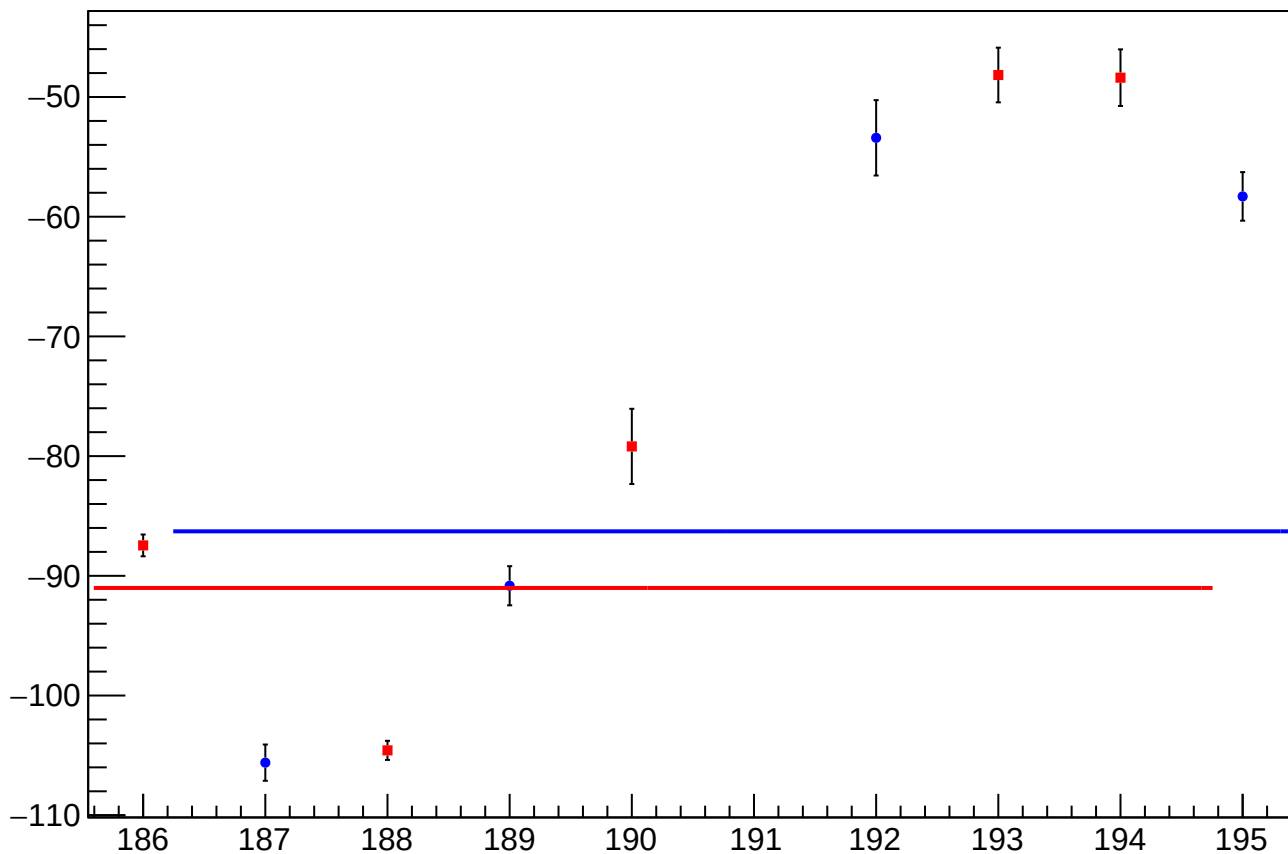
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.676 \pm 0.724$   $\chi^2/\text{NDF}$ : 7.8/8

- 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: -91.013+/-0.555  $\chi^2/\text{NDF}$ : 995.5/4

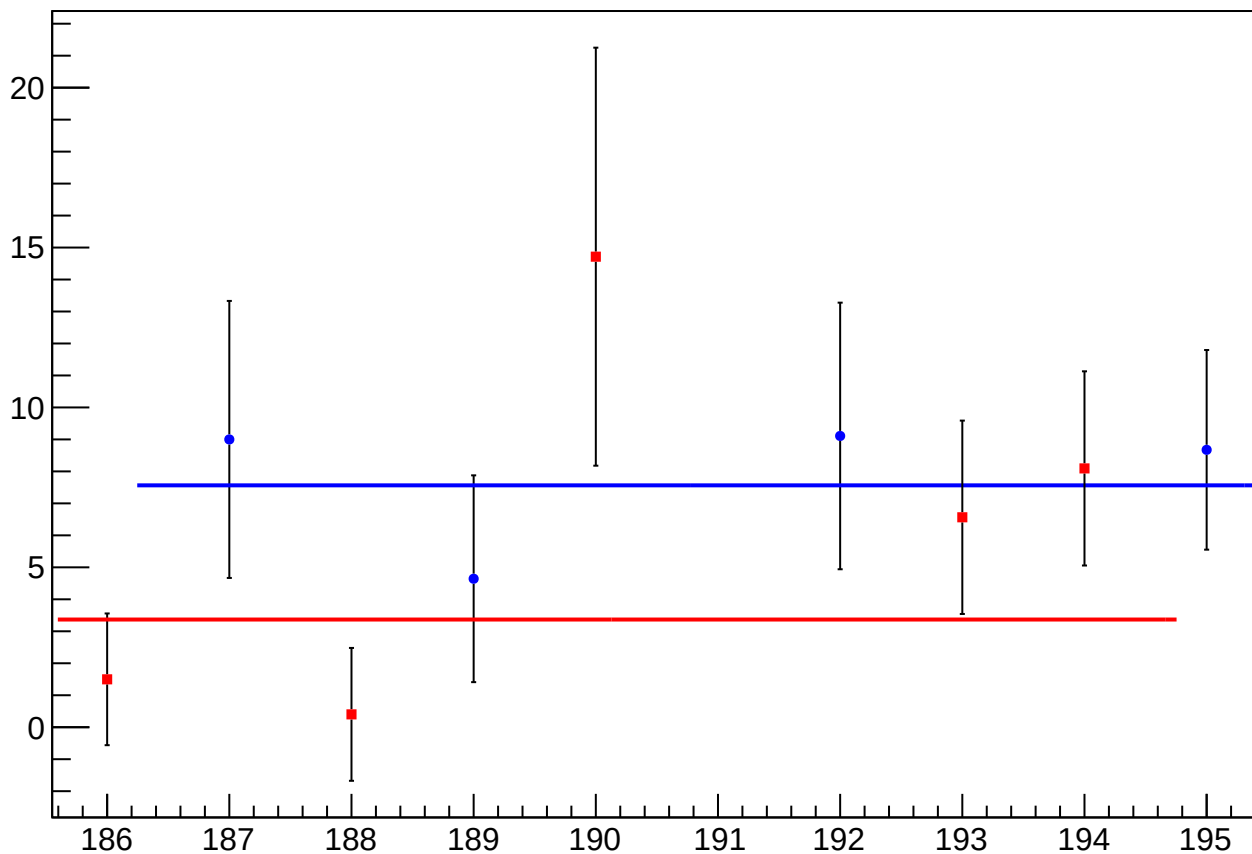
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -89.774+/-0.477  $\chi^2/\text{NDF}$ : 1483.9/8

- 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: 3.368 $\pm$ 1.188  $\chi^2$ /NDF: 9.4/4

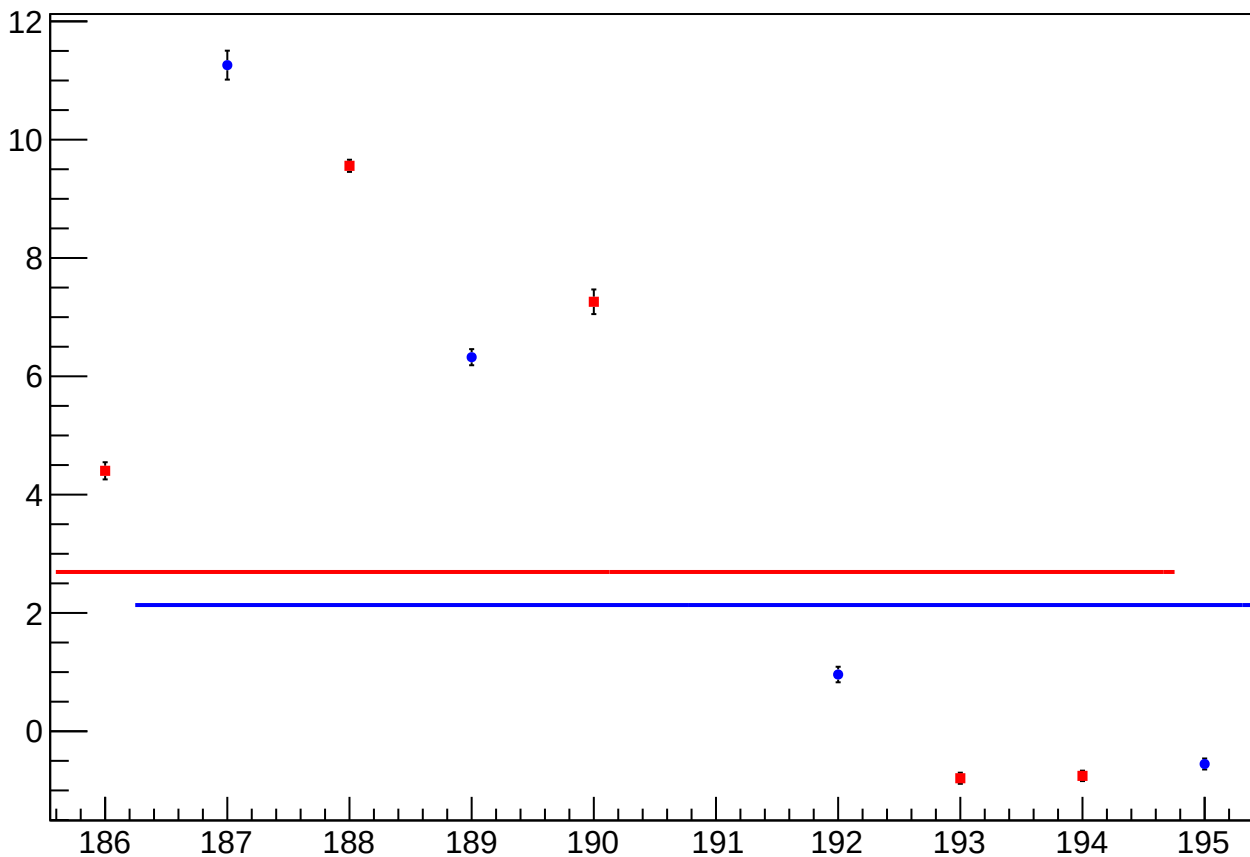
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.642 $\pm$ 0.991  $\chi^2$ /NDF: 14.4/8

- 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: 2.693 $\pm$ 0.050  $\chi^2$ /NDF: 7998.1/4

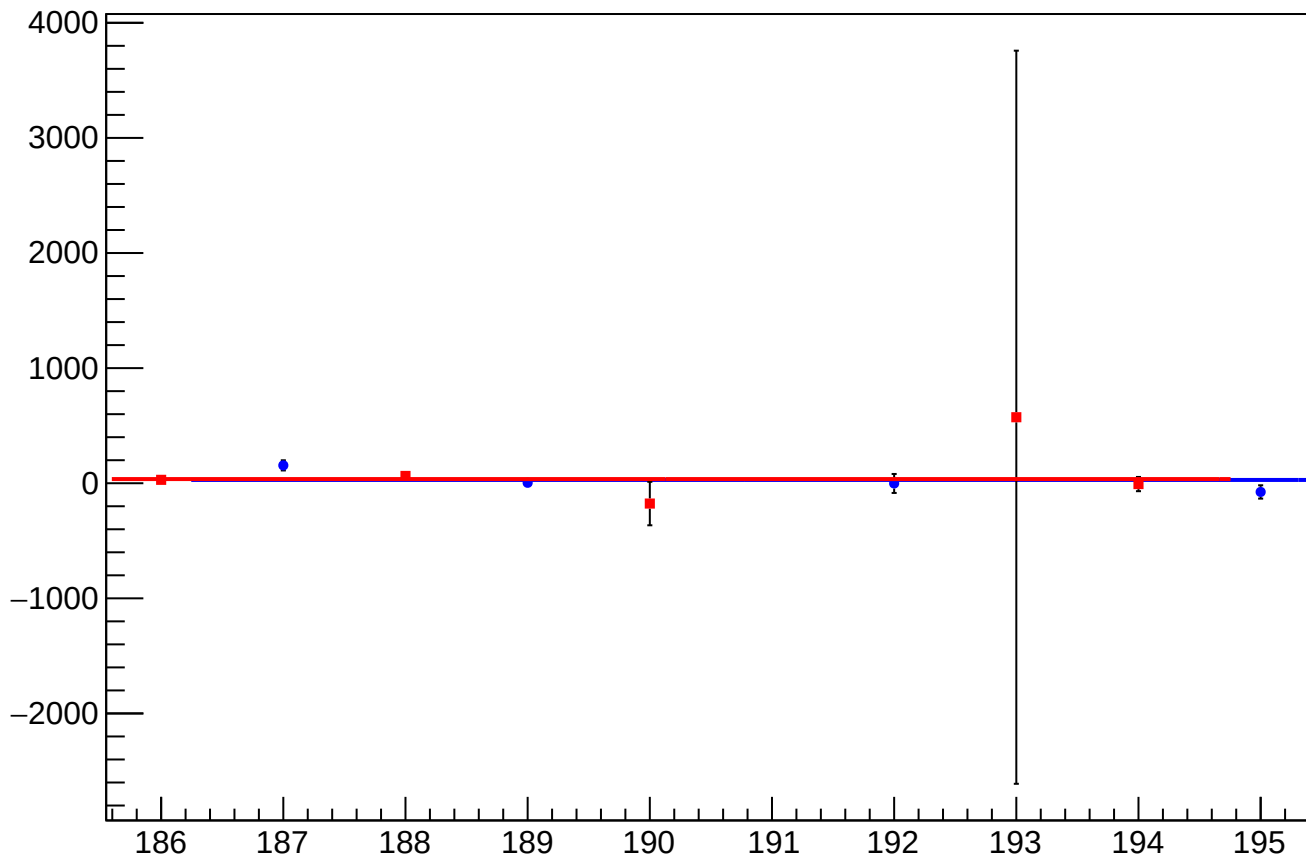
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.483 $\pm$ 0.039  $\chi^2$ /NDF: 11299.0/8

- 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 $\pm$ 21.609  $\chi^2$ /NDF: 12.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 36.164 $\pm$ 10.301  $\chi^2$ /NDF: 3.8/4

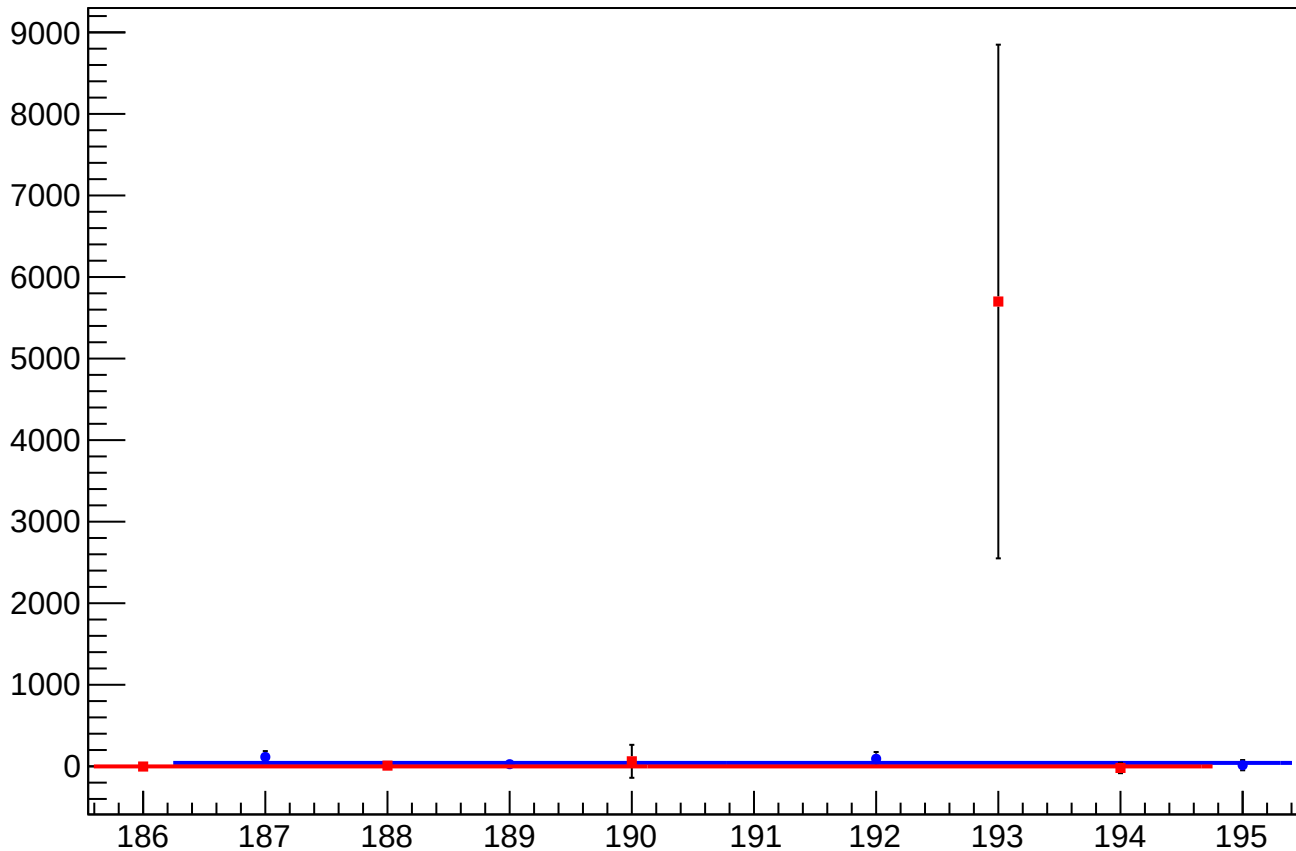
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 34.751 $\pm$ 9.299  $\chi^2$ /NDF: 16.2/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: -1.188+/-13.336  $\chi^2/\text{NDF}$ : 3.5/4

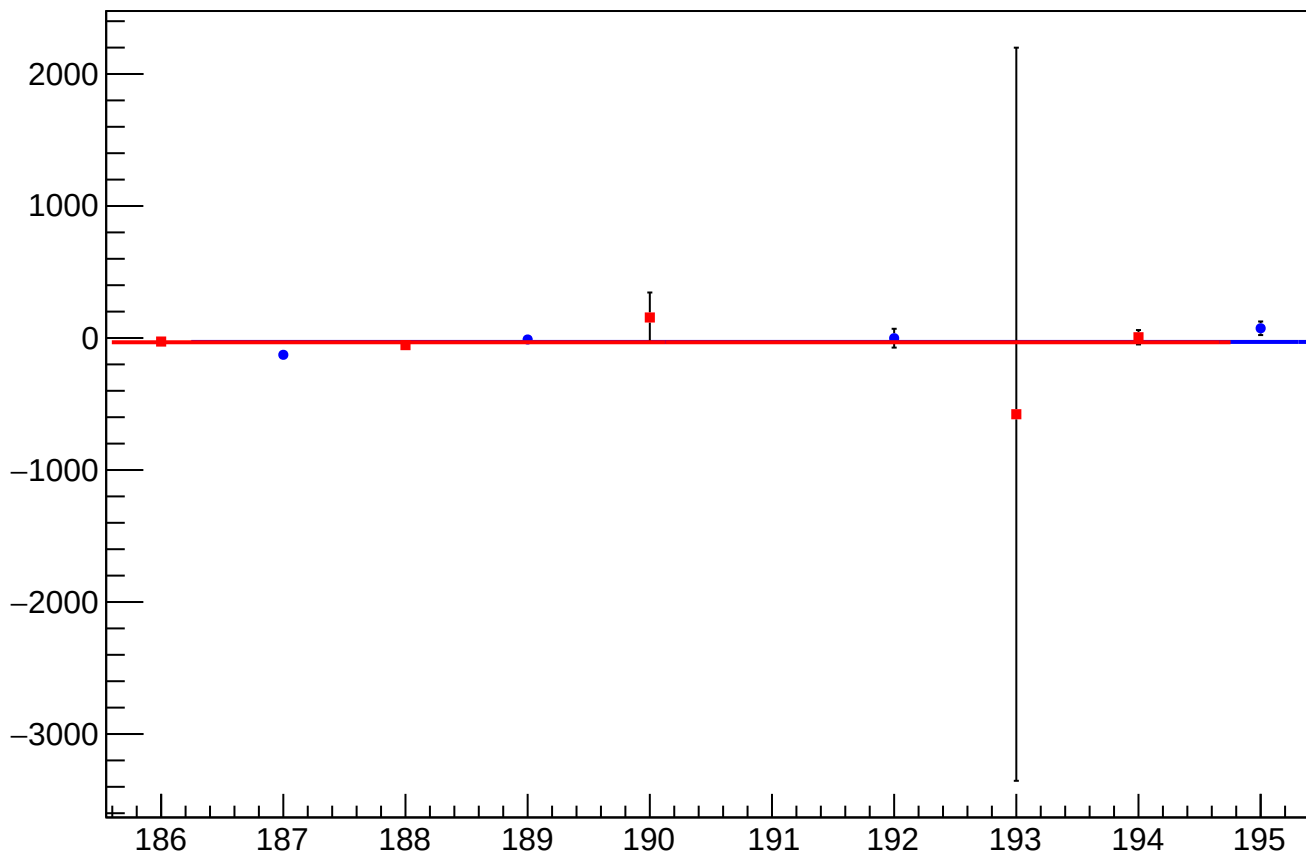
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.875+/-11.853  $\chi^2/\text{NDF}$ : 7.6/8

- 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:  $-32.294 \pm 8.303$   $\chi^2/\text{NDF}$ : 3.5/4

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

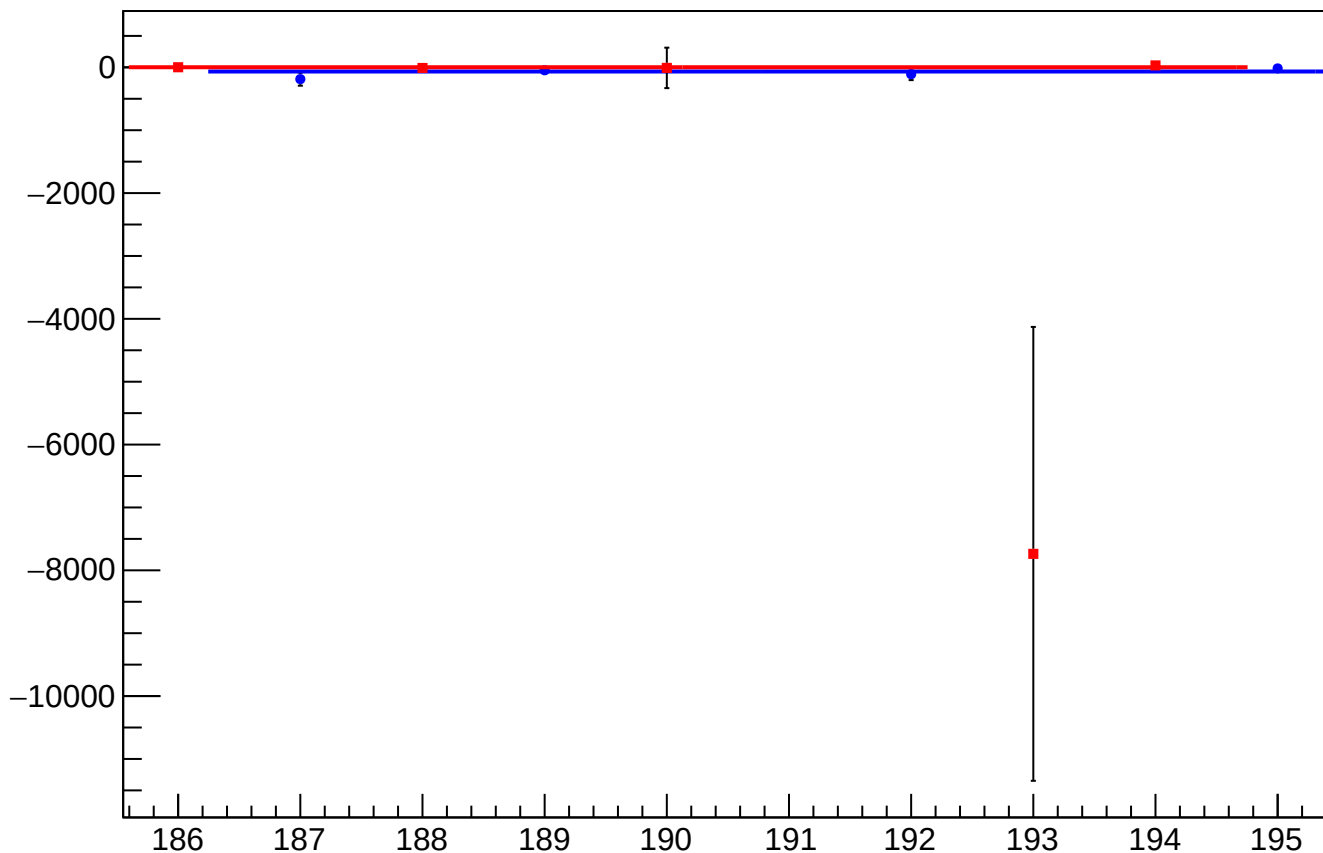
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-31.865 \pm 7.567$   $\chi^2/\text{NDF}$ : 15.5/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $-66.196 \pm 36.908$   $\chi^2/\text{NDF}$ : 2.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $1.578 \pm 19.311$   $\chi^2/\text{NDF}$ : 4.8/4

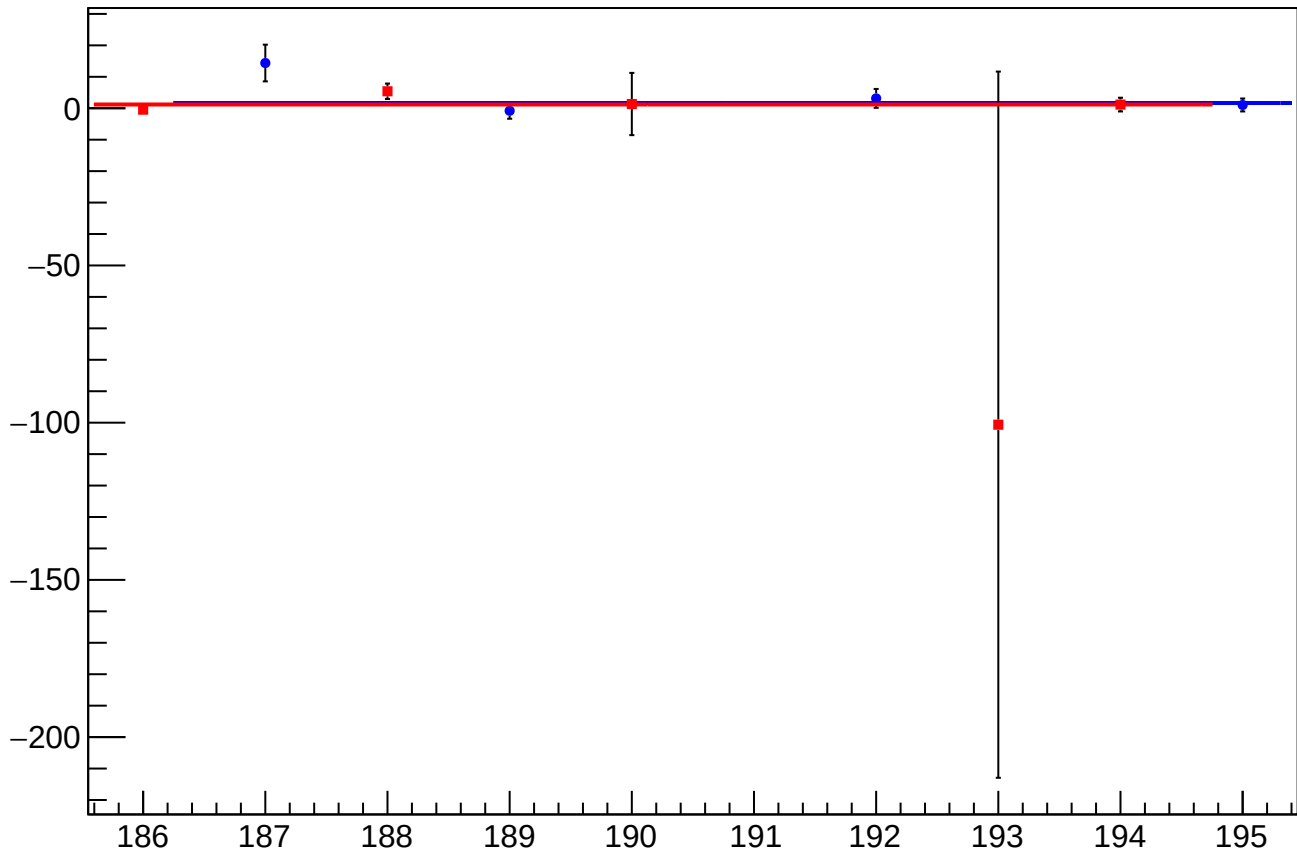
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-12.988 \pm 17.110$   $\chi^2/\text{NDF}$ : 9.6/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 1.194+/-1.117  $\chi^2/\text{NDF}$ : 4.9/4

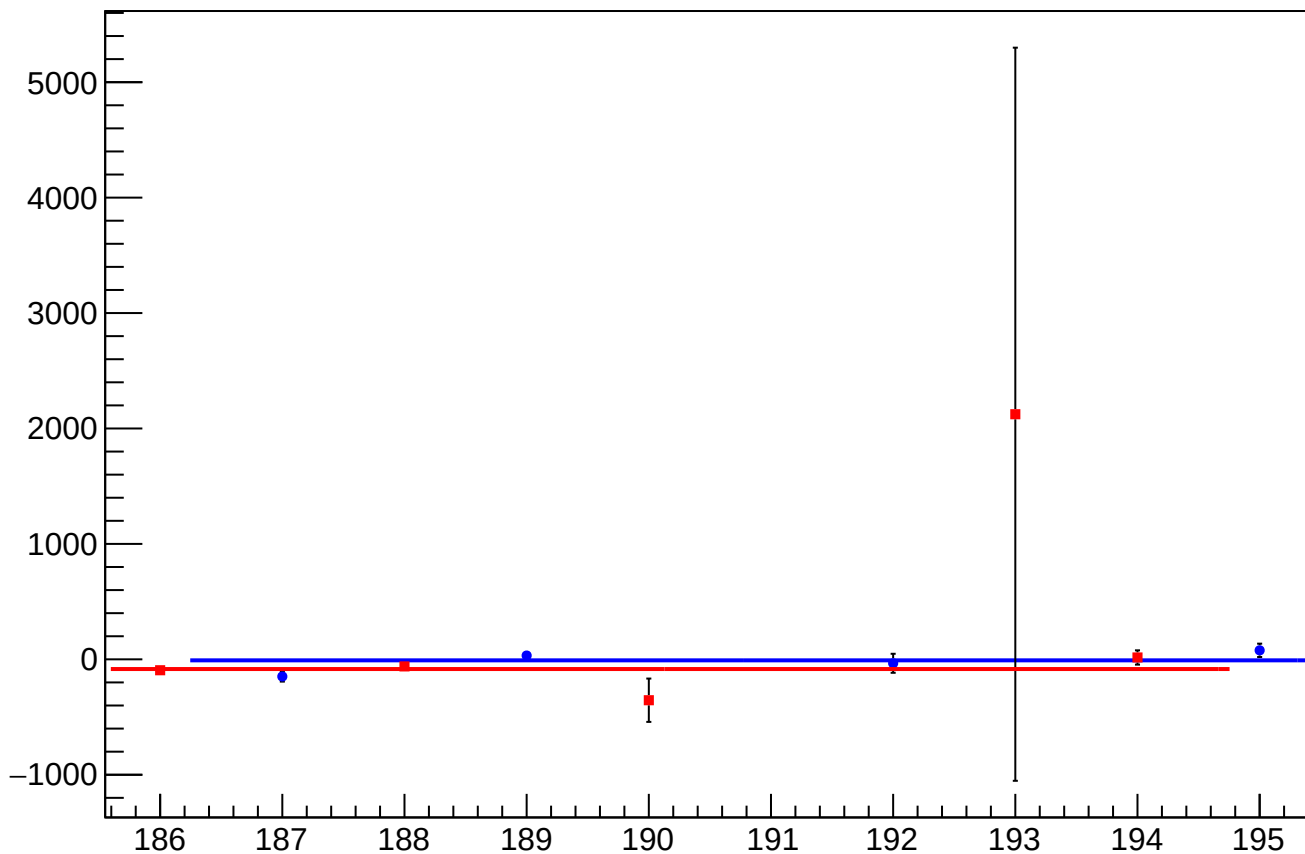
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.385+/-0.866  $\chi^2/\text{NDF}$ : 11.0/8

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-8.730 \pm 21.588$   $\chi^2/\text{NDF}$ : 14.4/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-84.053 \pm 10.304$   $\chi^2/\text{NDF}$ : 7.1/4

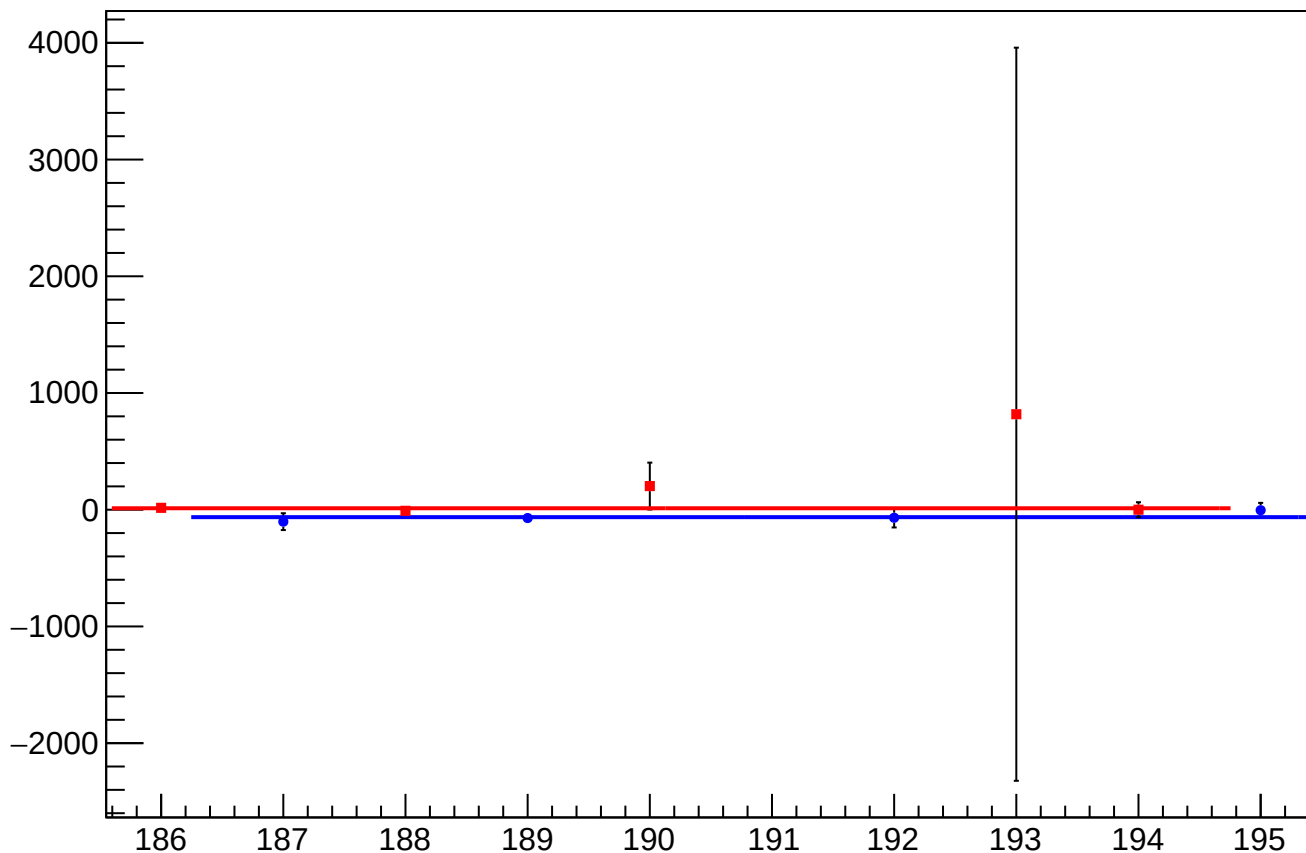
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-70.077 \pm 9.299$   $\chi^2/\text{NDF}$ : 31.4/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 12.588 $\pm$ 13.351  $\chi^2$ /NDF: 1.4/4

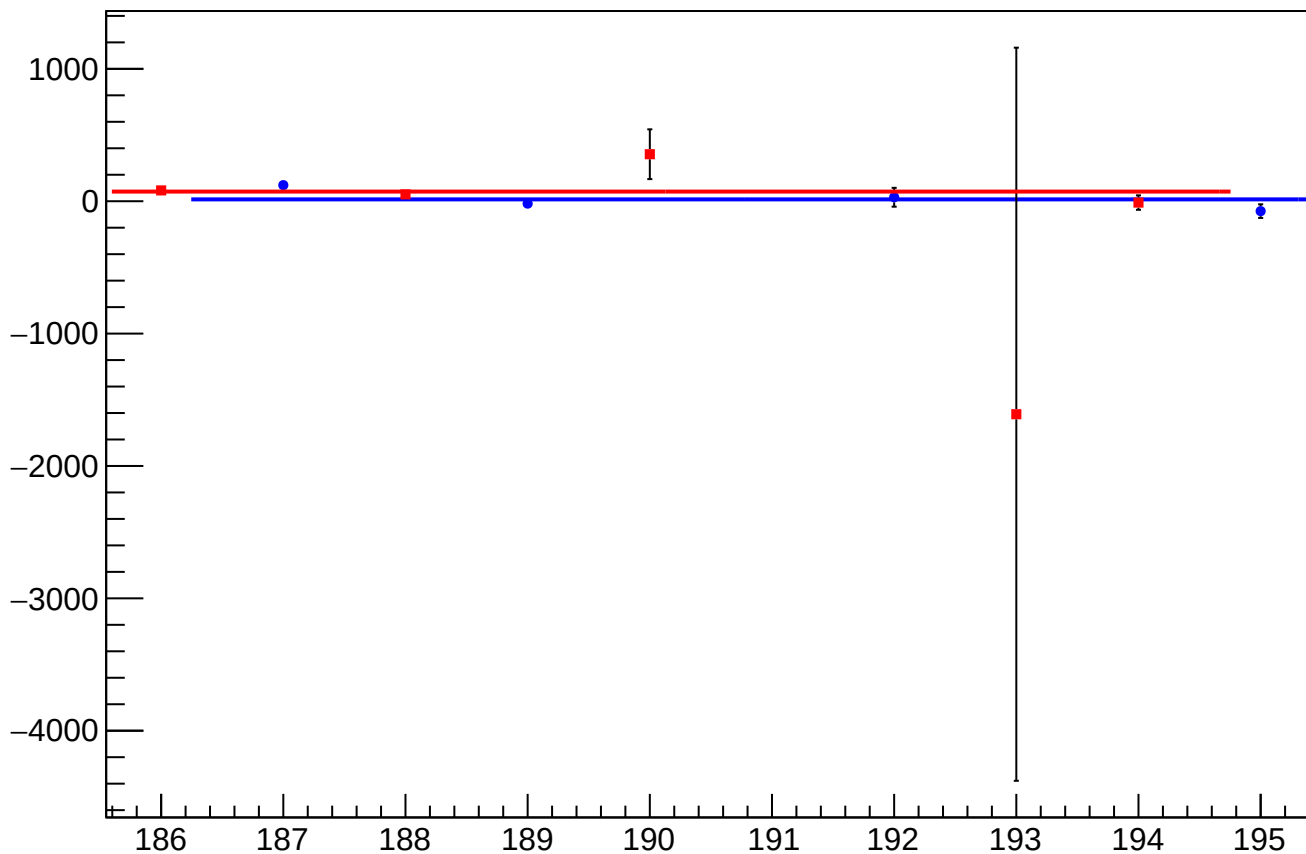
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -3.478 $\pm$ 11.860  $\chi^2$ /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  $\chi^2$ /NDF: 13.5/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 72.870+/-8.306  $\chi^2$ /NDF: 7.3/4

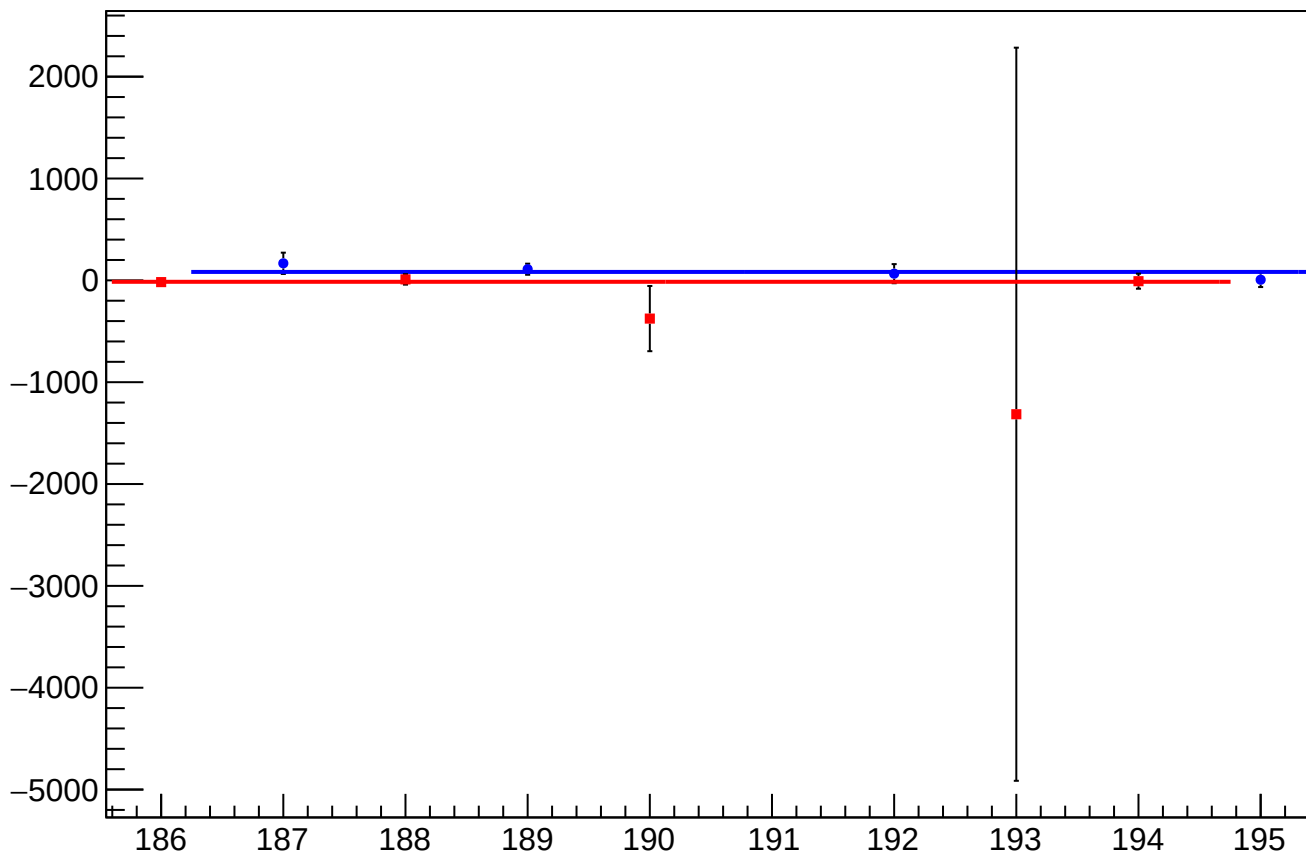
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 62.863+/-7.568  $\chi^2$ /NDF: 29.4/8

- sign 0.000+/-0.000  $\chi^2$ /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: -14.241 $\pm$ 19.332  $\chi^2$ /NDF: 1.6/4

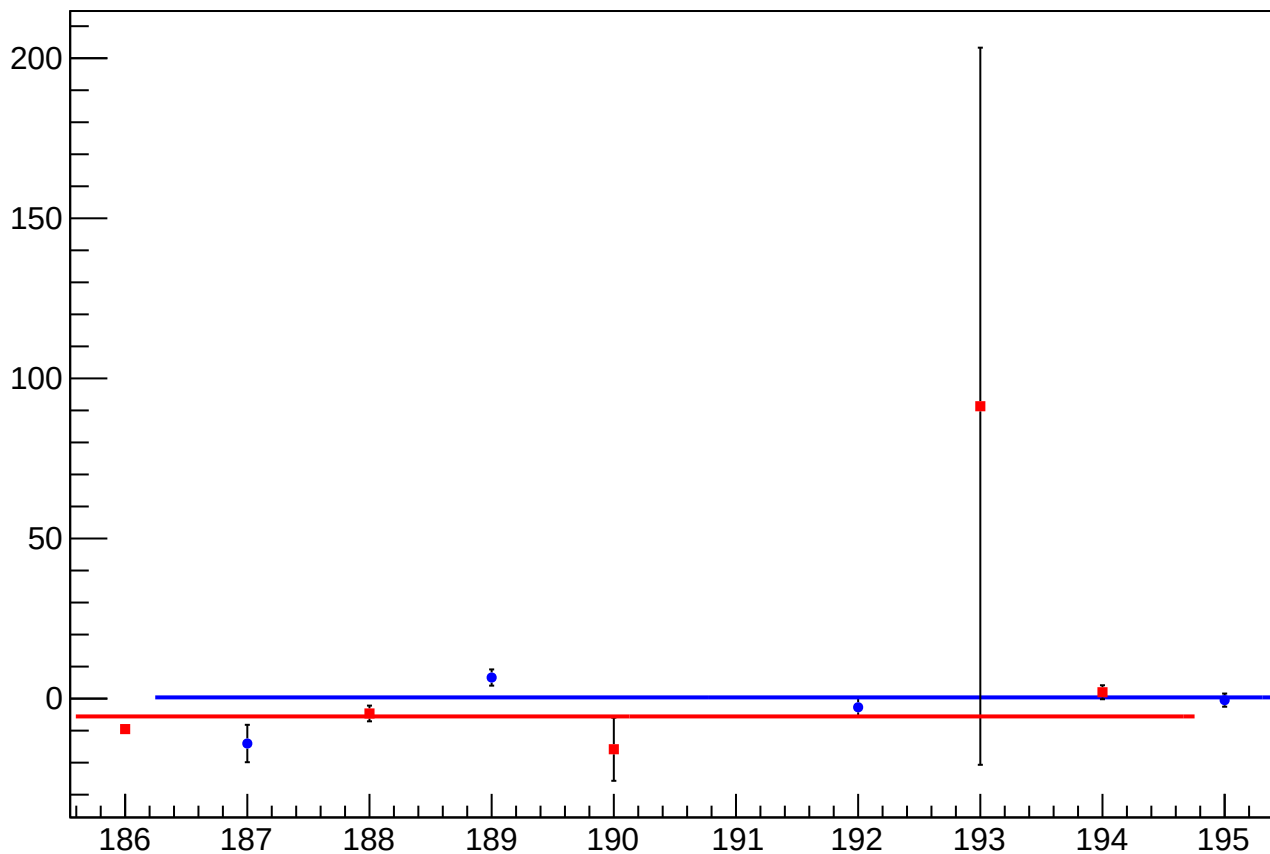
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.669 $\pm$ 17.121  $\chi^2$ /NDF: 9.1/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $0.378 \pm 1.370$   $\chi^2/\text{NDF}$ : 13.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-5.567 \pm 1.117$   $\chi^2/\text{NDF}$ : 20.4/4

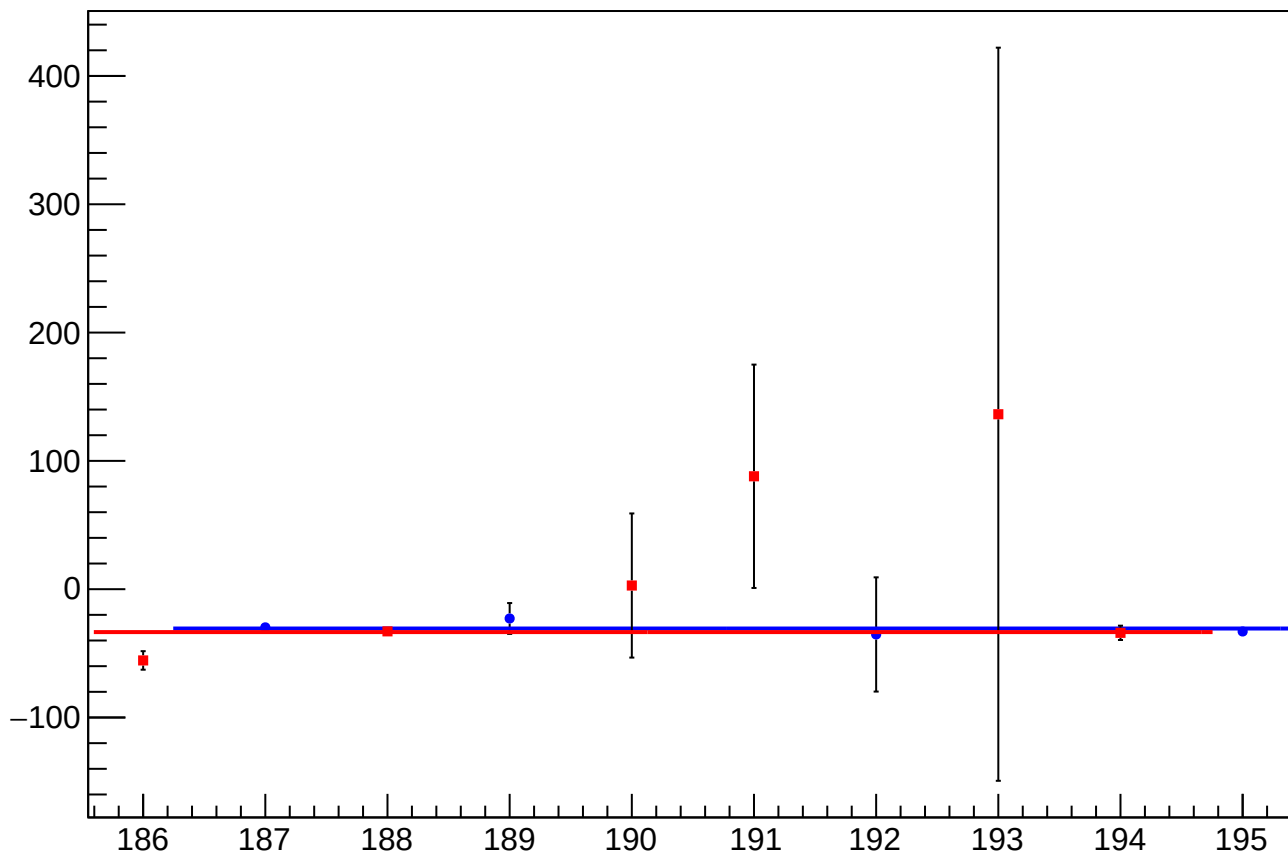
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.194 \pm 0.866$   $\chi^2/\text{NDF}$ : 45.0/8

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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:  $-33.436 \pm 1.139$   $\chi^2/\text{NDF}$ : 12.3/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

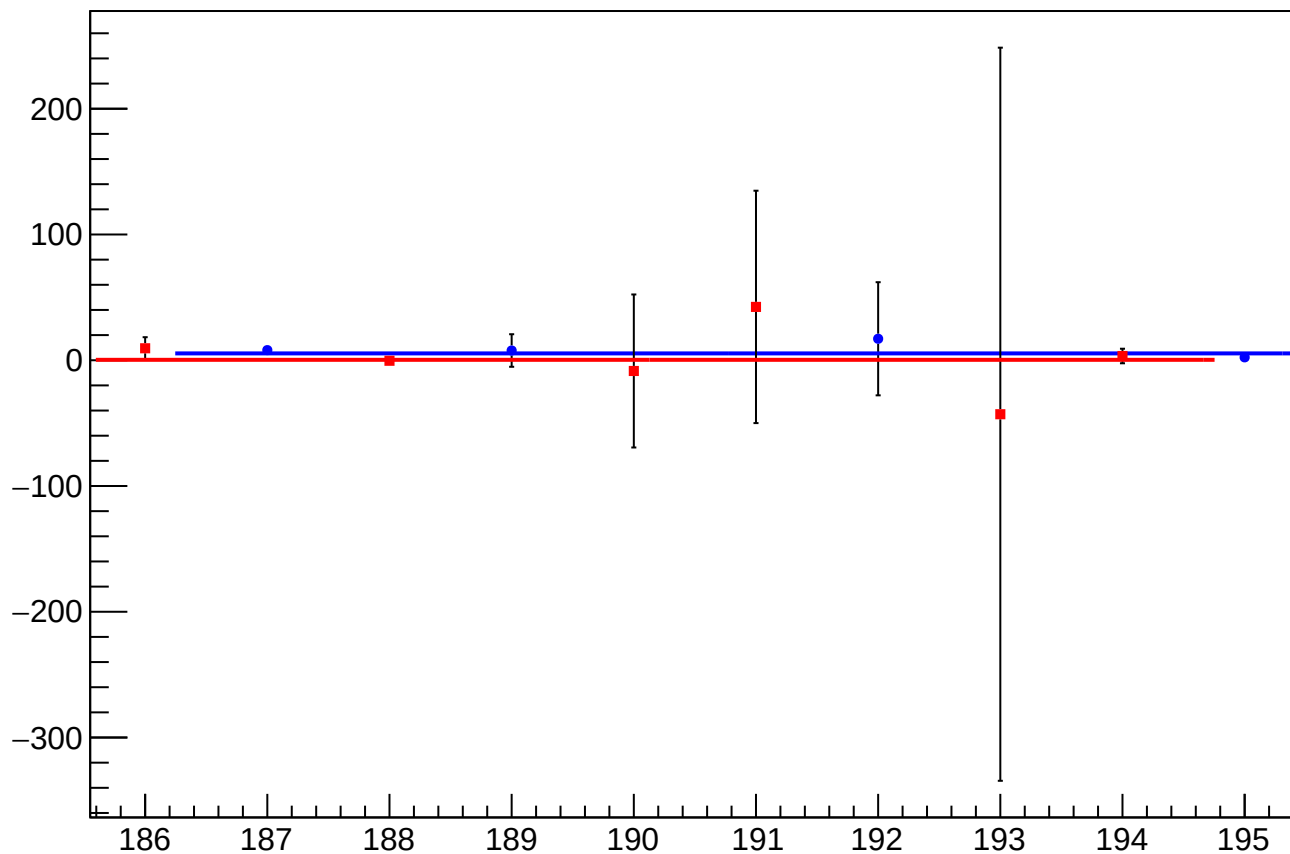
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-32.445 \pm 0.914$   $\chi^2/\text{NDF}$ : 15.8/9

- 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: 0.338 $\pm$ 1.749  $\chi^2$ /NDF: 1.8/5

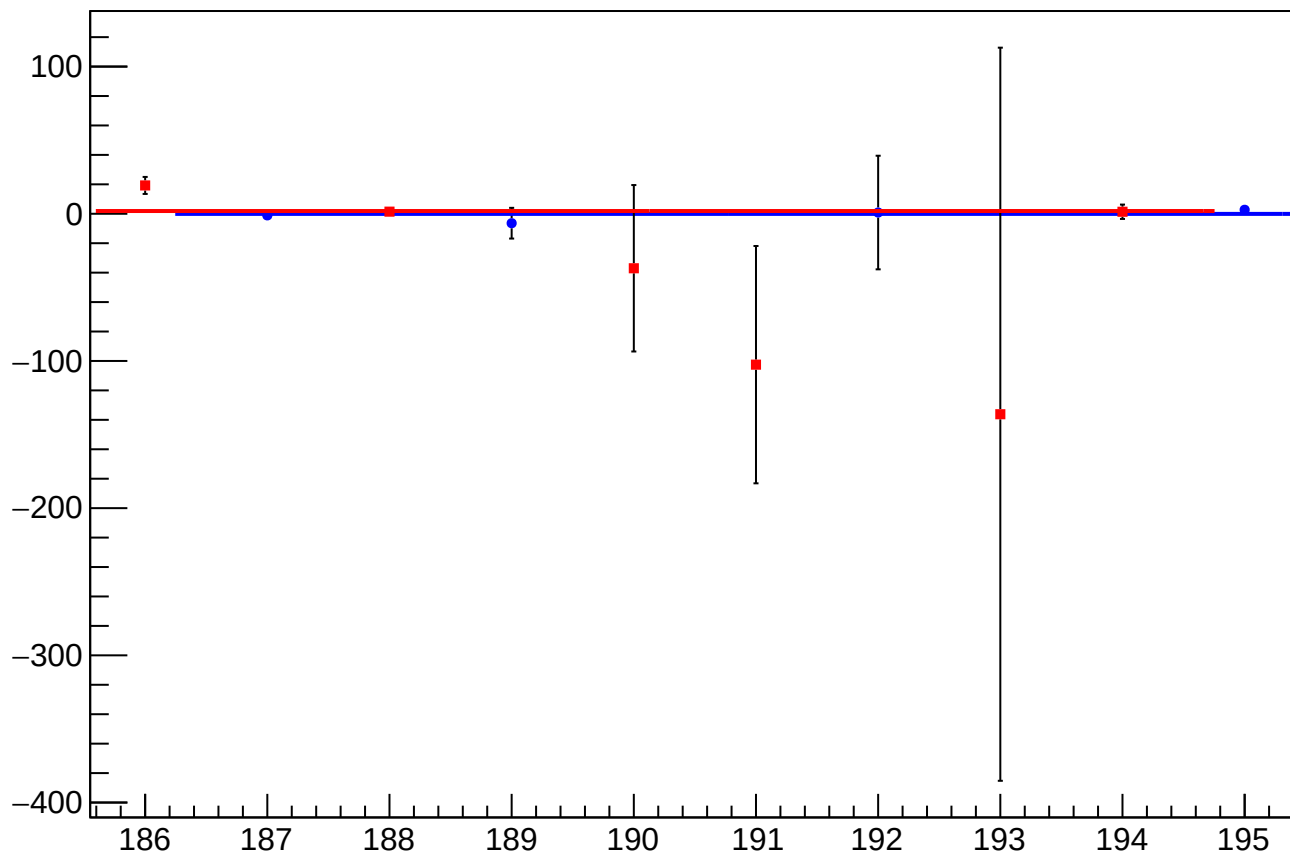
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.352 $\pm$ 1.361  $\chi^2$ /NDF: 6.9/9

- 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:  $1.868 \pm 0.924$   $\chi^2/\text{NDF}$ : 11.7/5

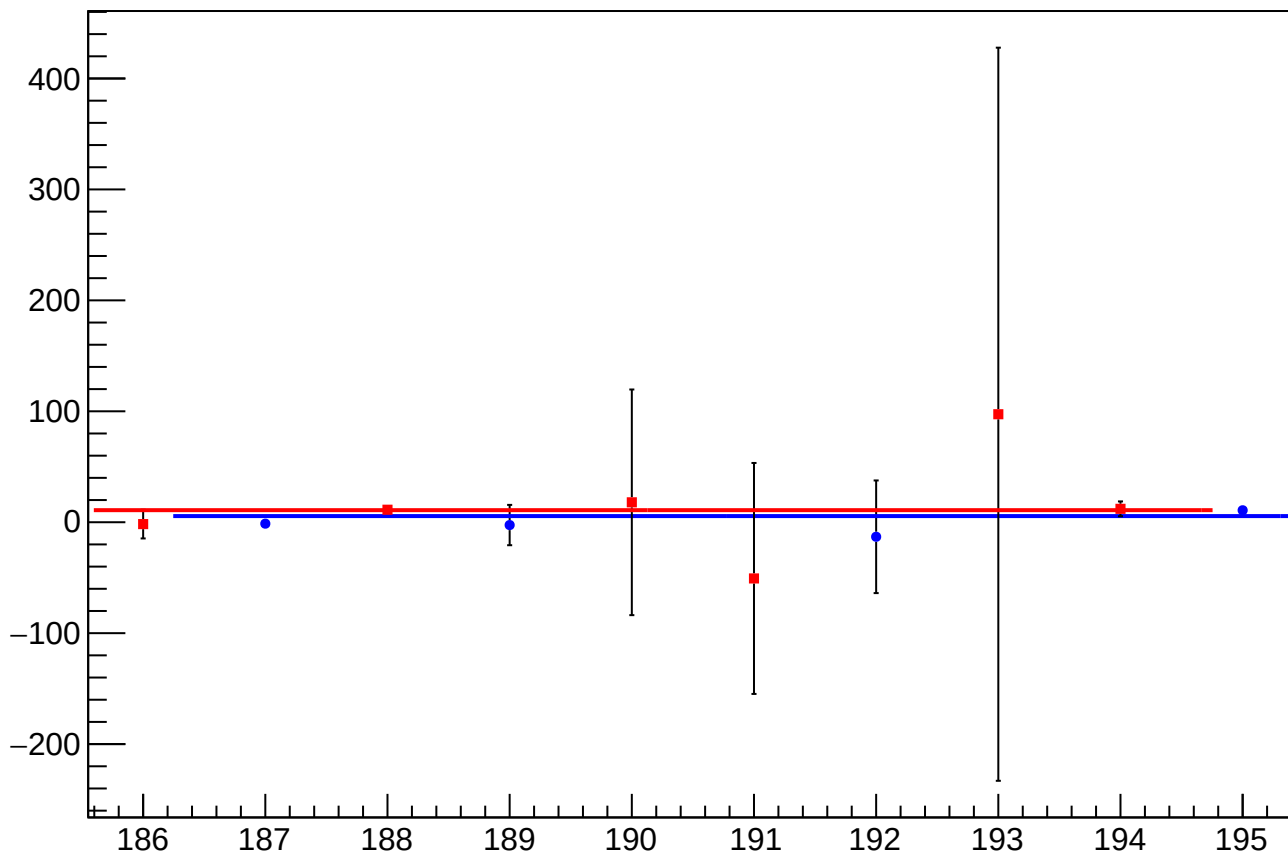
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $1.203 \pm 0.750$   $\chi^2/\text{NDF}$ : 15.4/9

- 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 $\pm$ 2.797  $\chi^2$ /NDF: 4.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 10.875 $\pm$ 2.533  $\chi^2$ /NDF: 1.4/5

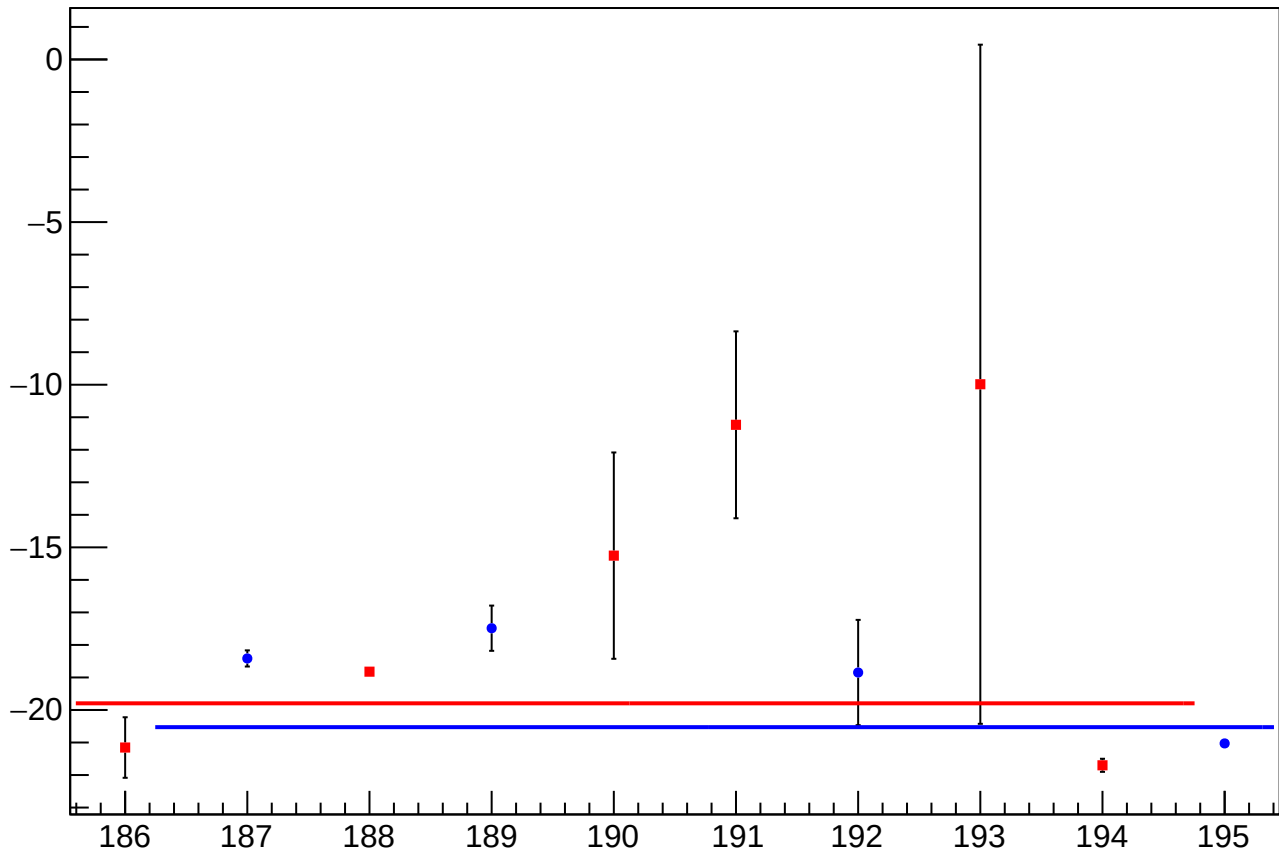
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 8.471 $\pm$ 1.877  $\chi^2$ /NDF: 8.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-20.528 \pm 0.099$   $\chi^2/\text{NDF}: 113.2/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-19.795 \pm 0.116$   $\chi^2/\text{NDF}: 149.6/5$

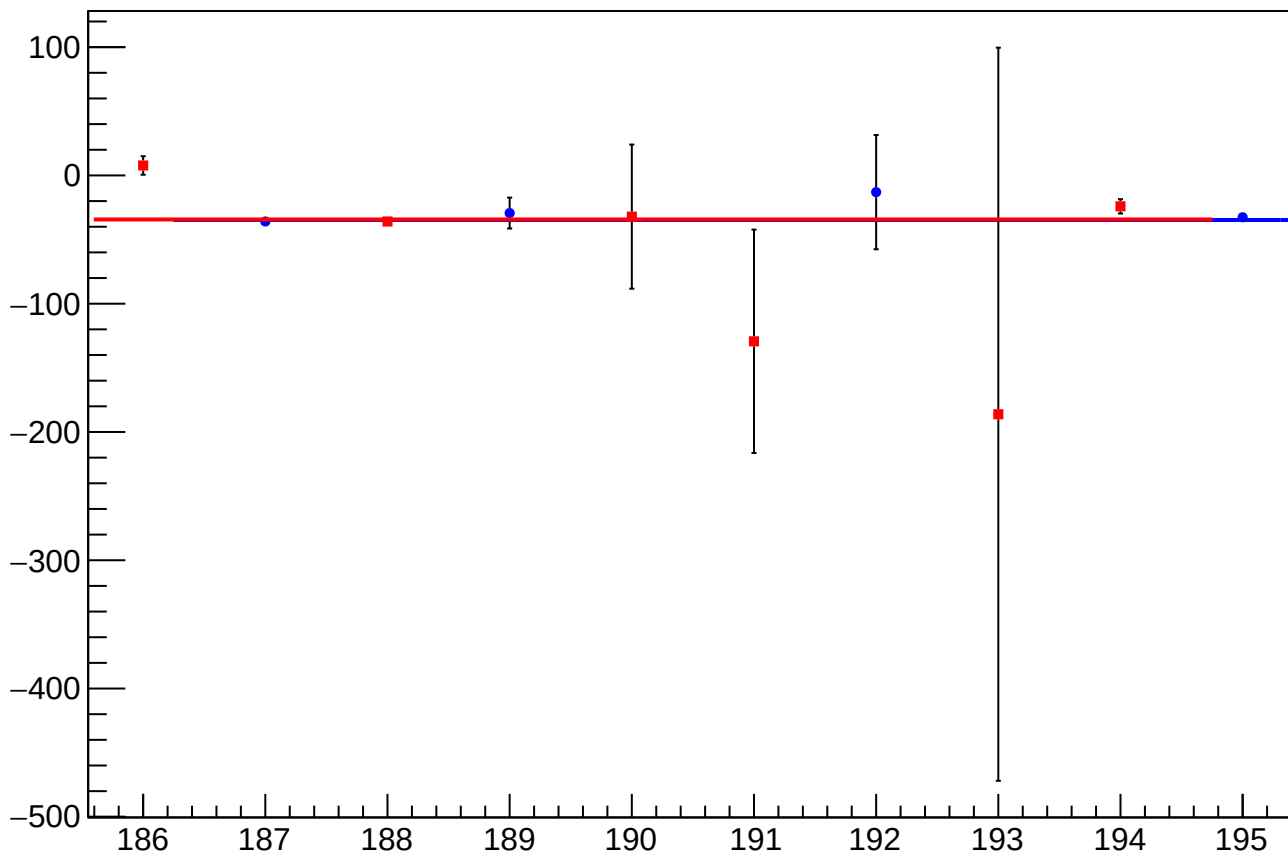
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-20.217 \pm 0.075$   $\chi^2/\text{NDF}: 285.8/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# 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:  $-34.335 \pm 1.142$   $\chi^2/\text{NDF}$ : 40.6/5

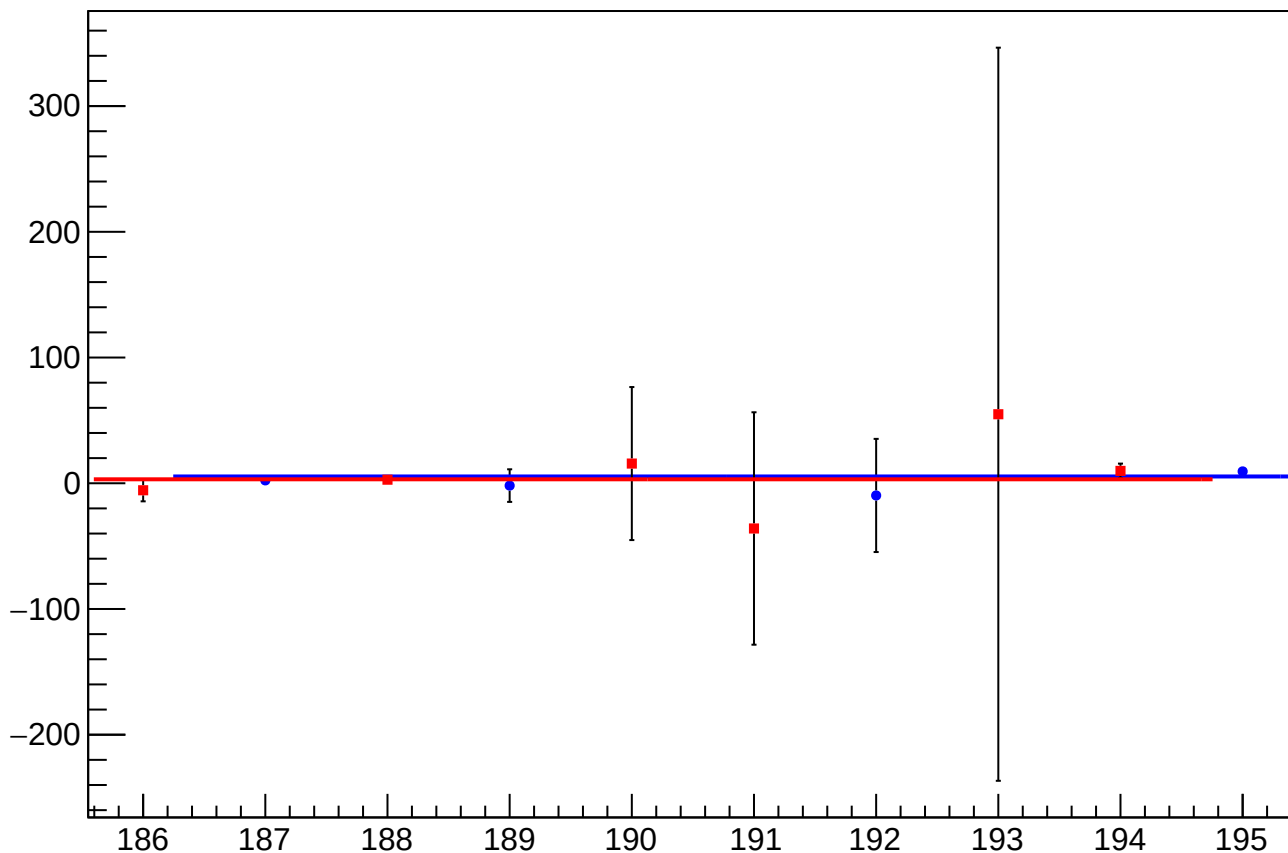
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-34.478 \pm 0.917$   $\chi^2/\text{NDF}$ : 42.1/9

- 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: 3.147 $\pm$ 1.754  $\chi^2$ /NDF: 2.6/5

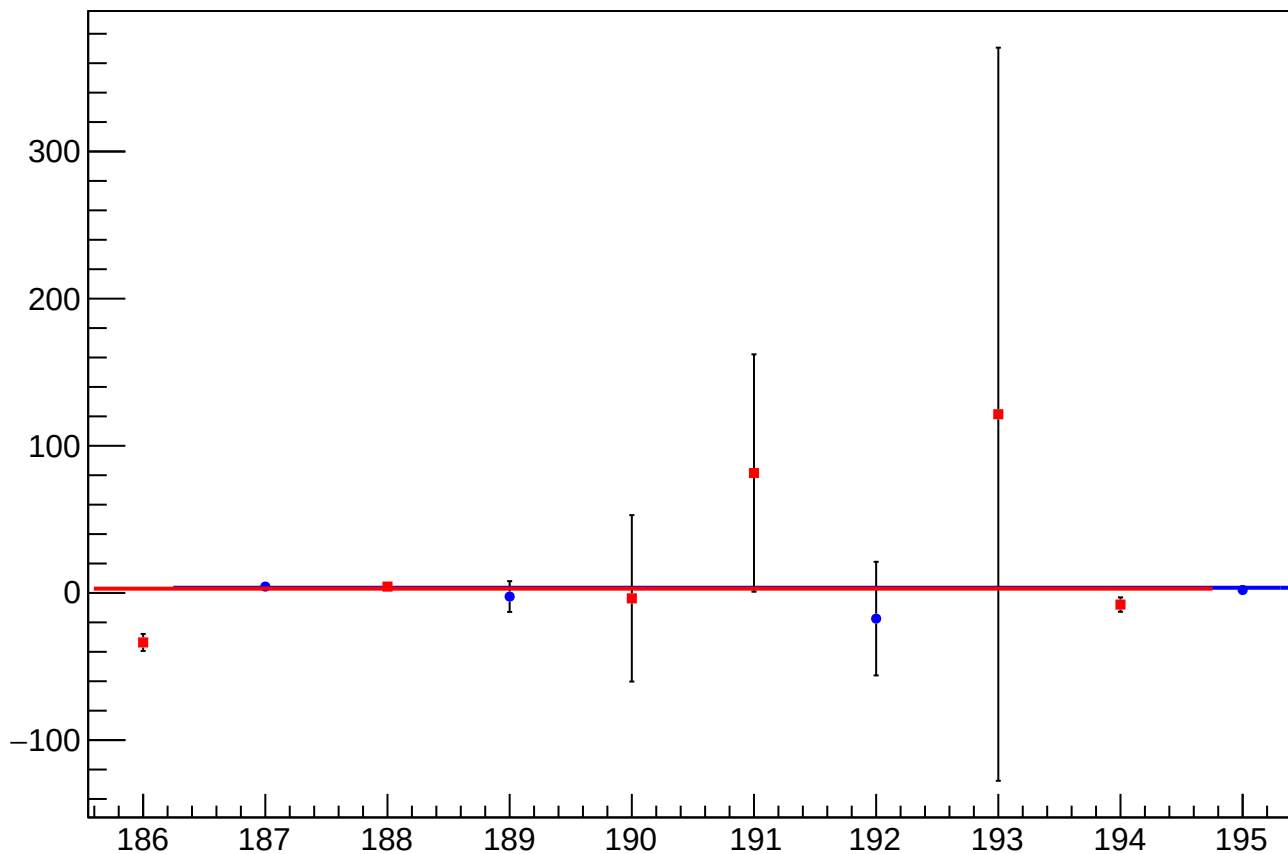
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.035 $\pm$ 1.366  $\chi^2$ /NDF: 6.3/9

- 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: 2.921 $\pm$ 0.926  $\chi^2$ /NDF: 48.4/5

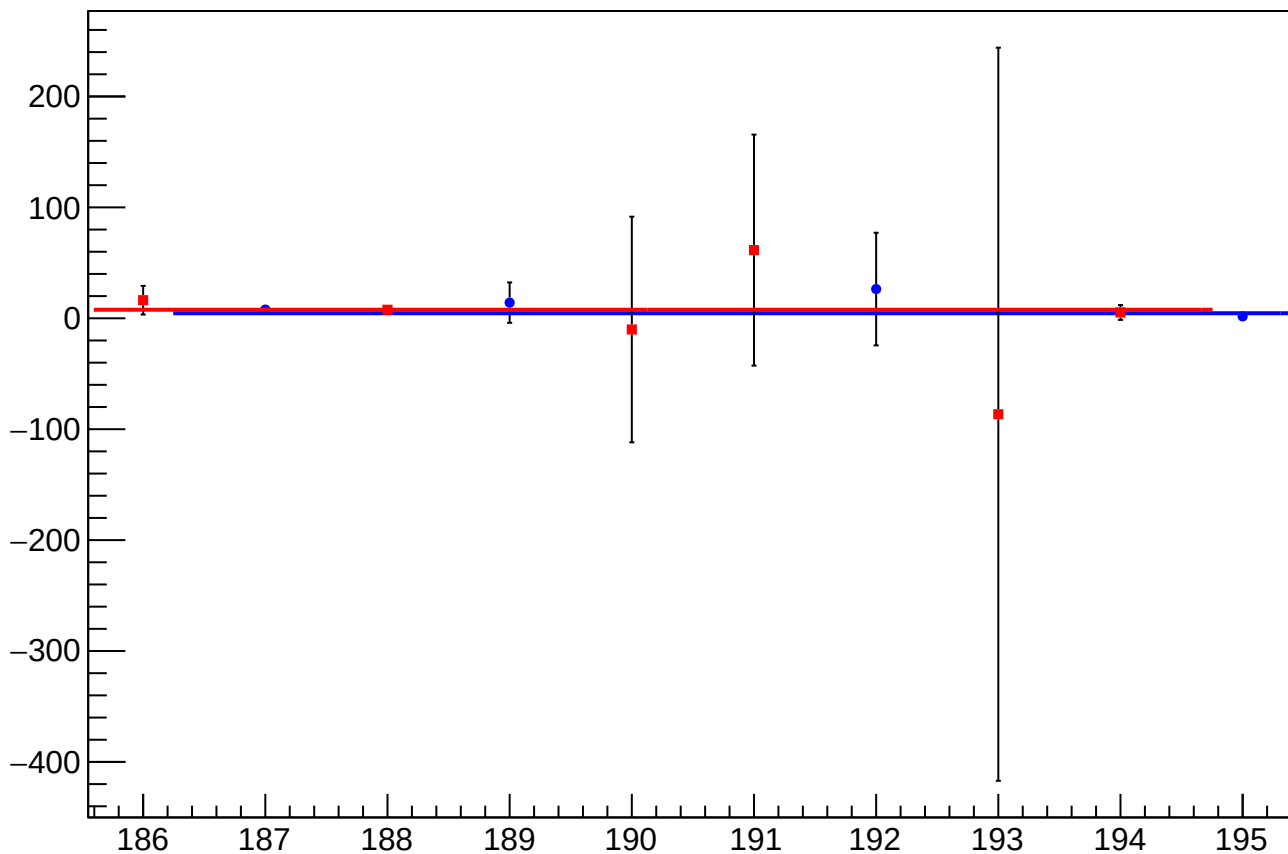
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.130 $\pm$ 0.752  $\chi^2$ /NDF: 49.8/9

- 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 $\pm$ 2.807  $\chi^2$ /NDF: 1.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 7.707 $\pm$ 2.540  $\chi^2$ /NDF: 1.0/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

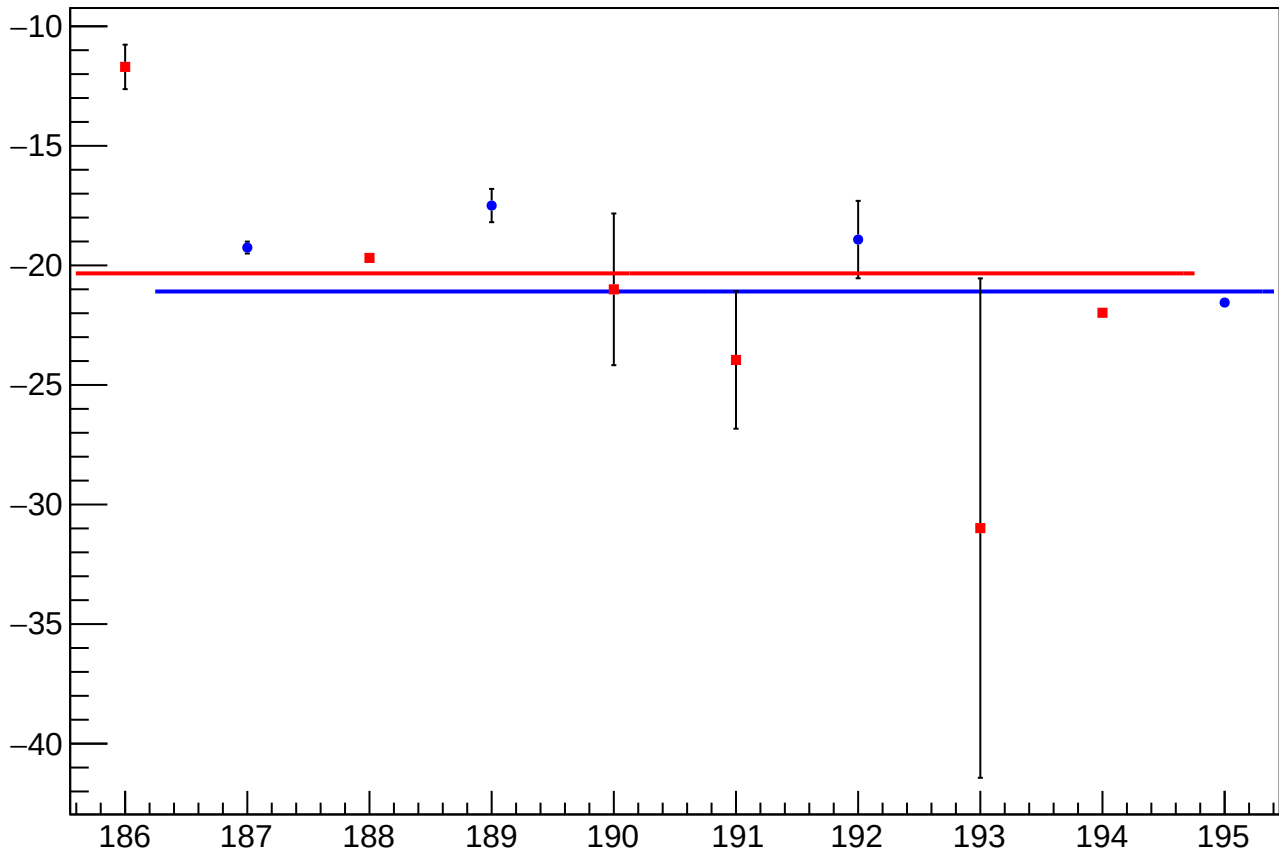
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.288 $\pm$ 1.883  $\chi^2$ /NDF: 3.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $-20.334 \pm 0.116$   $\chi^2/\text{NDF}$ : 175.8/5

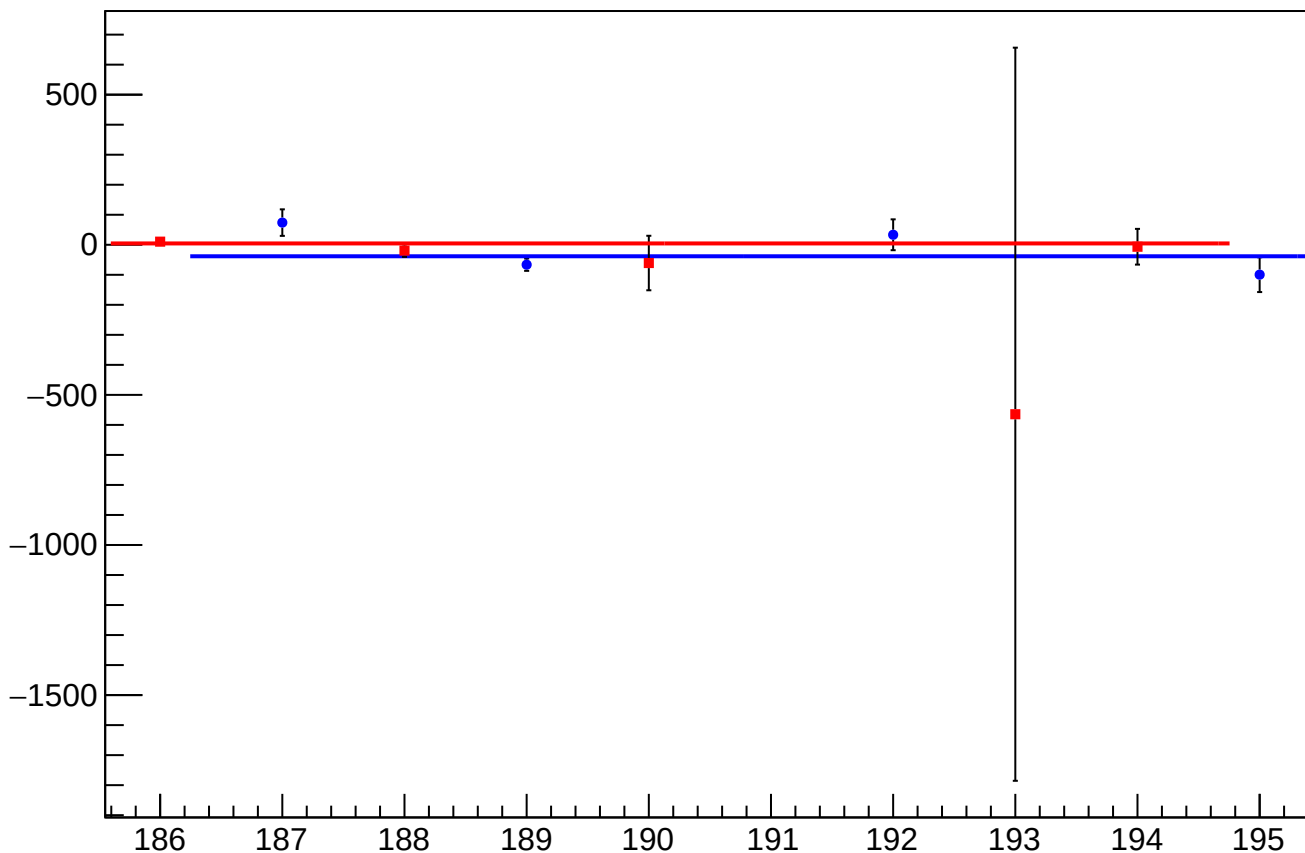
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-20.769 \pm 0.076$   $\chi^2/\text{NDF}$ : 300.5/9

- 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:  $4.479 \pm 8.479$   $\chi^2/\text{NDF}$ : 2.5/4

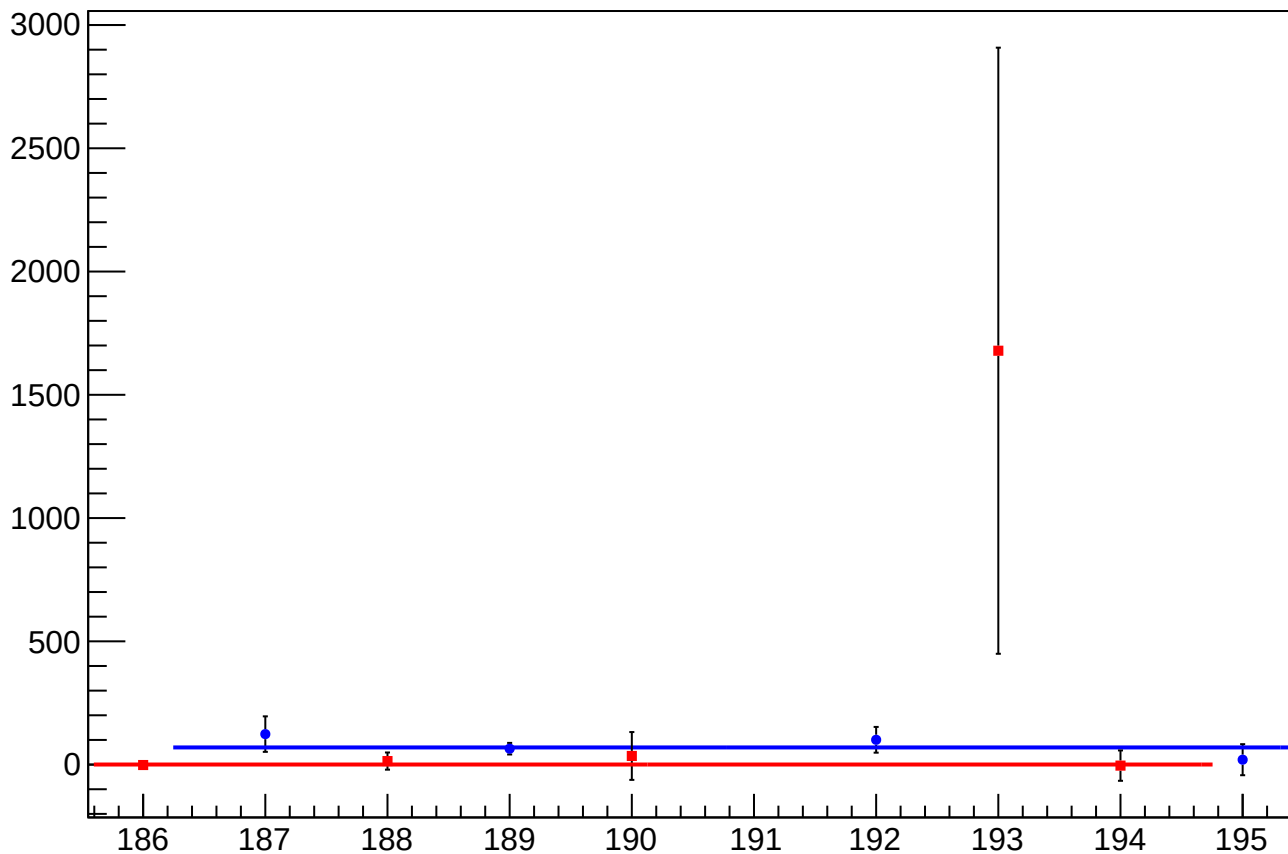
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-4.233 \pm 7.566$   $\chi^2/\text{NDF}$ : 19.0/8

- 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: 0.286+/-10.822  $\chi^2/\text{NDF}$ : 2.2/4

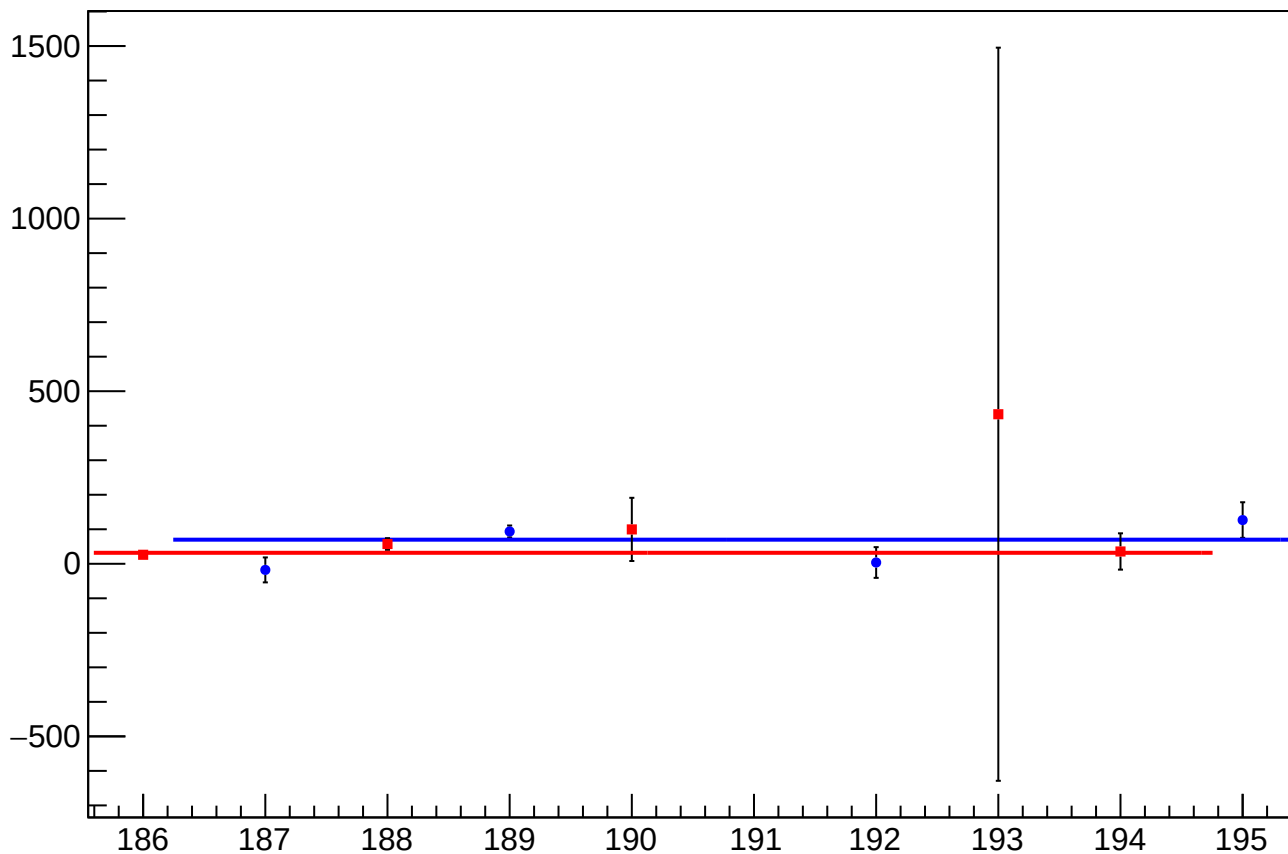
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 16.562+/-9.466  $\chi^2/\text{NDF}$ : 13.4/8

- 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: 31.825+/-6.839  $\chi^2/\text{NDF}$ : 3.5/4

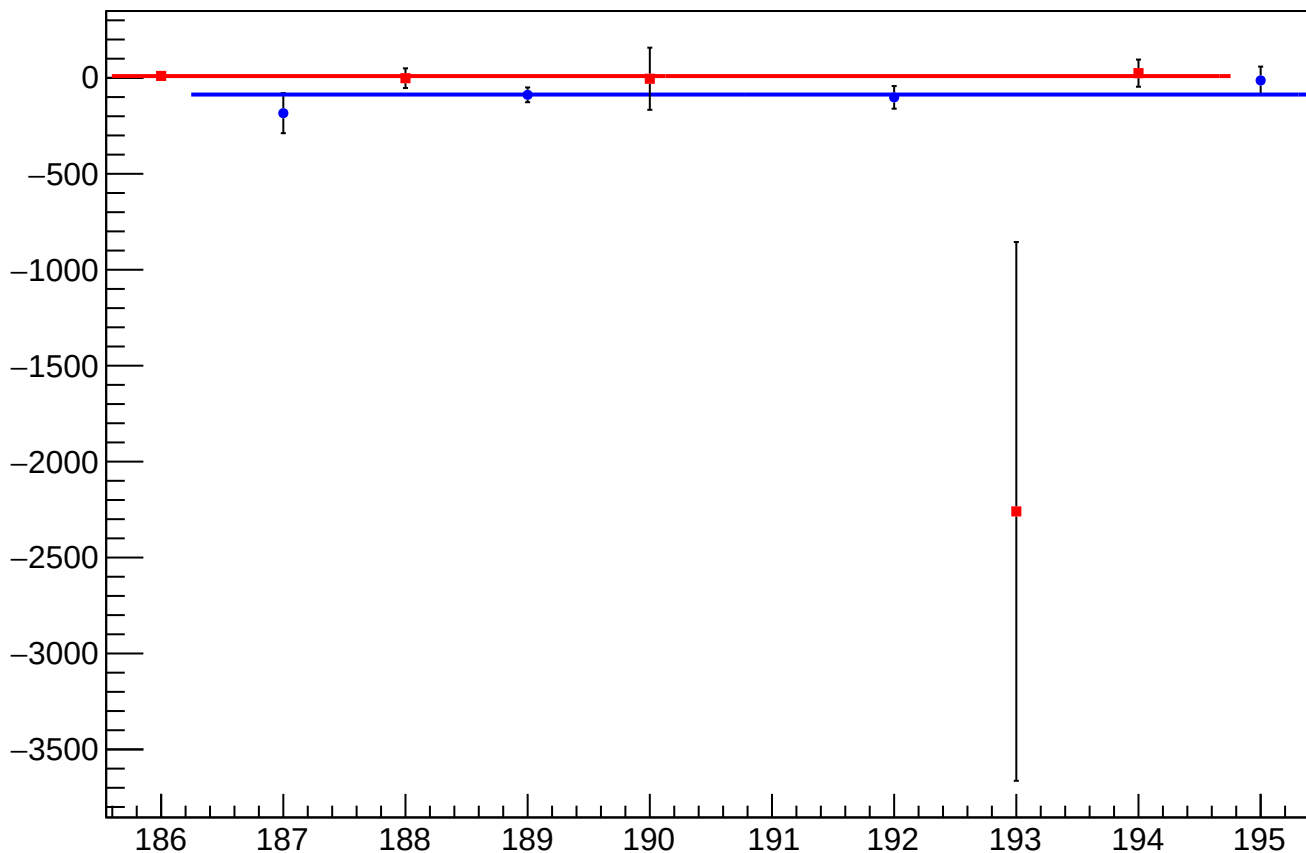
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 39.004+/-6.160  $\chi^2/\text{NDF}$ : 20.5/8

- 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:  $9.388 \pm 15.731$   $\chi^2/\text{NDF}: 2.7/4$

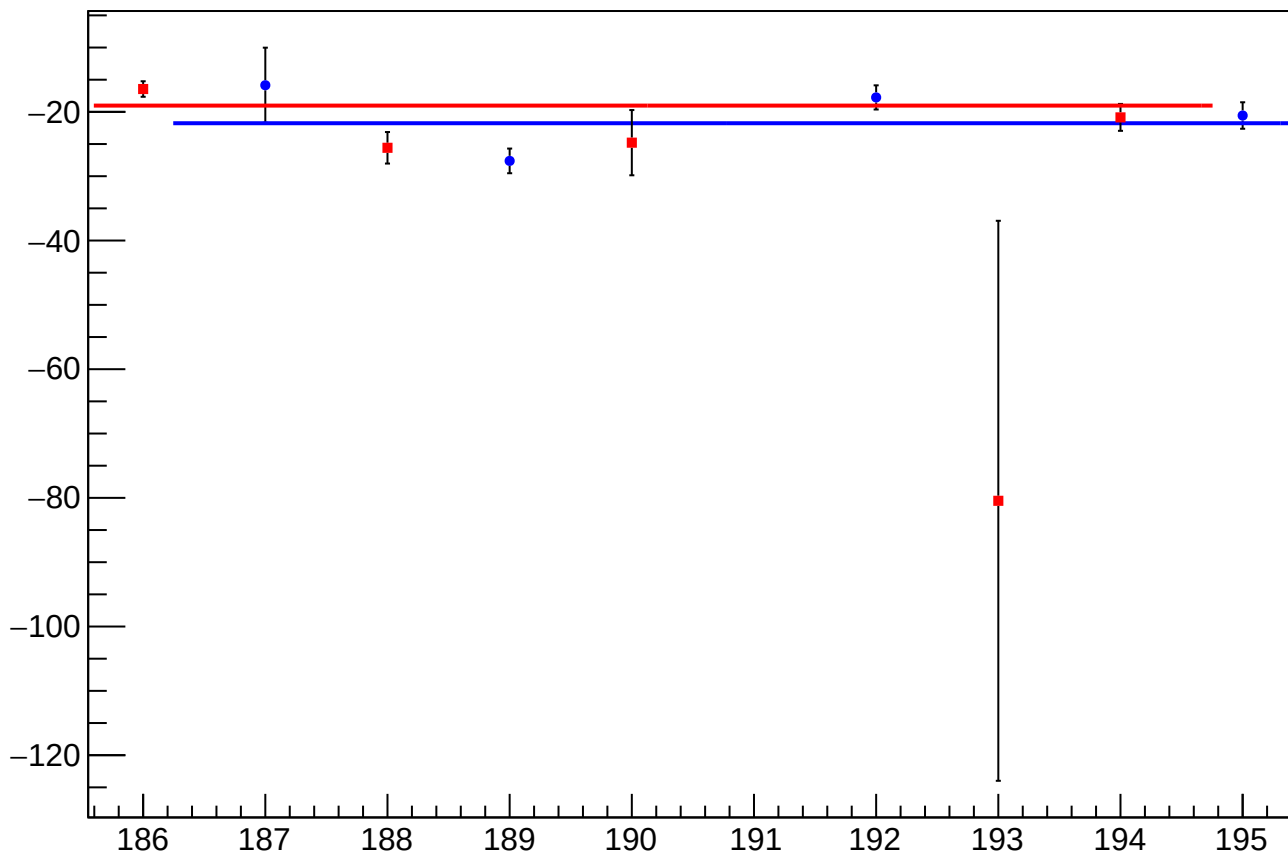
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-13.319 \pm 13.751$   $\chi^2/\text{NDF}: 13.5/8$

- 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: -19.025 $\pm$ 0.944  $\chi^2$ /NDF: 15.8/4

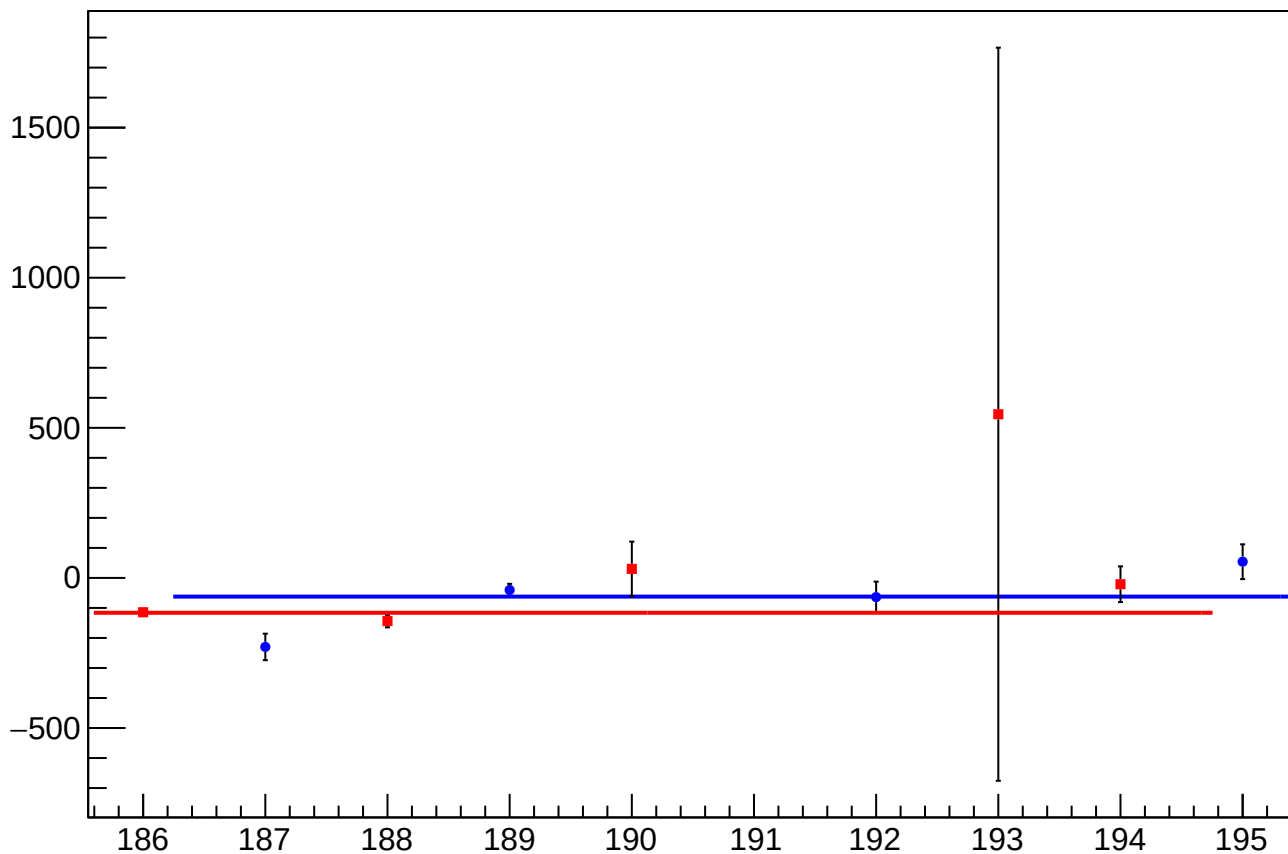
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -20.183 $\pm$ 0.718  $\chi^2$ /NDF: 34.6/8

- 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  $\chi^2$ /NDF: 19.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -116.036 $\pm$ 8.485  $\chi^2$ /NDF: 7.2/4

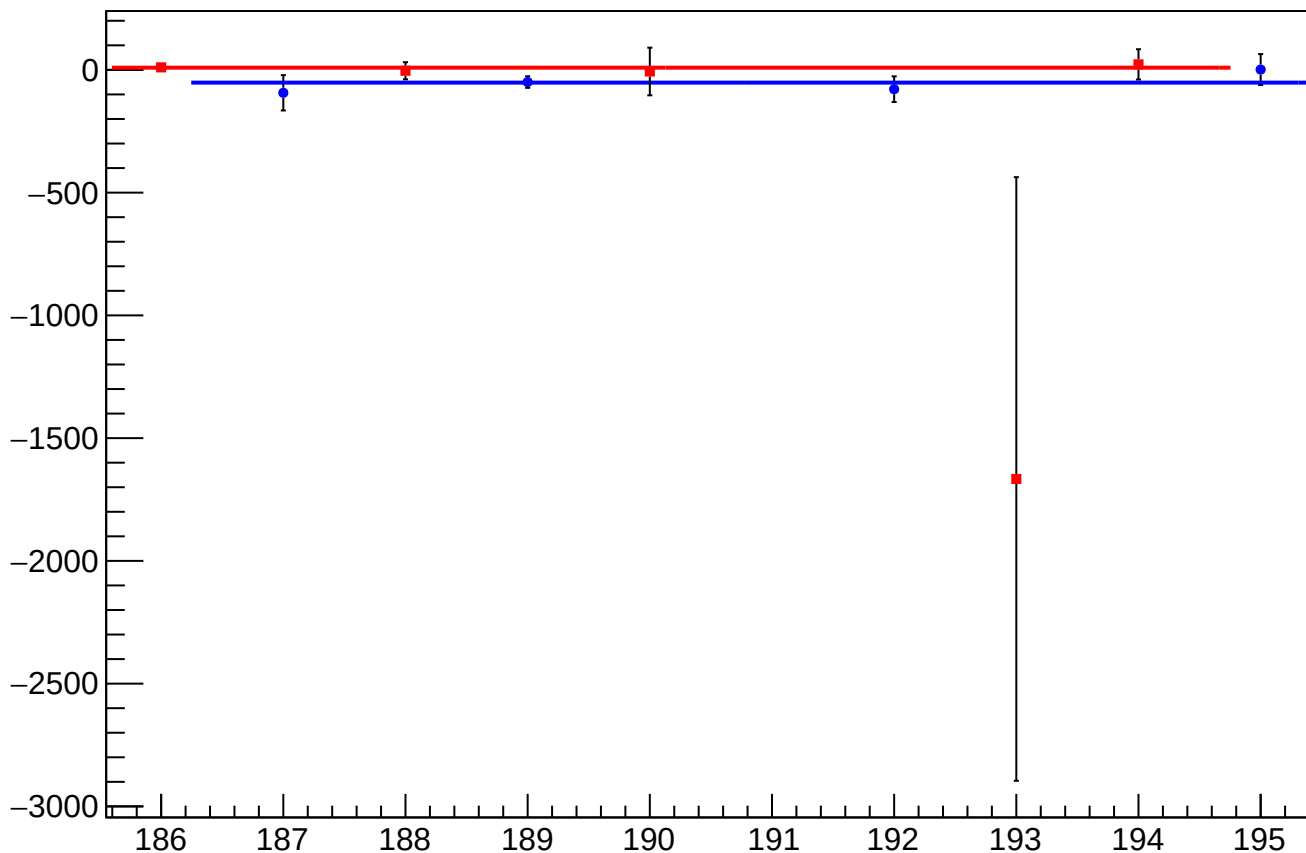
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -105.080 $\pm$ 7.572  $\chi^2$ /NDF: 35.0/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $8.979 \pm 10.830$   $\chi^2/\text{NDF}$ : 2.1/4

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

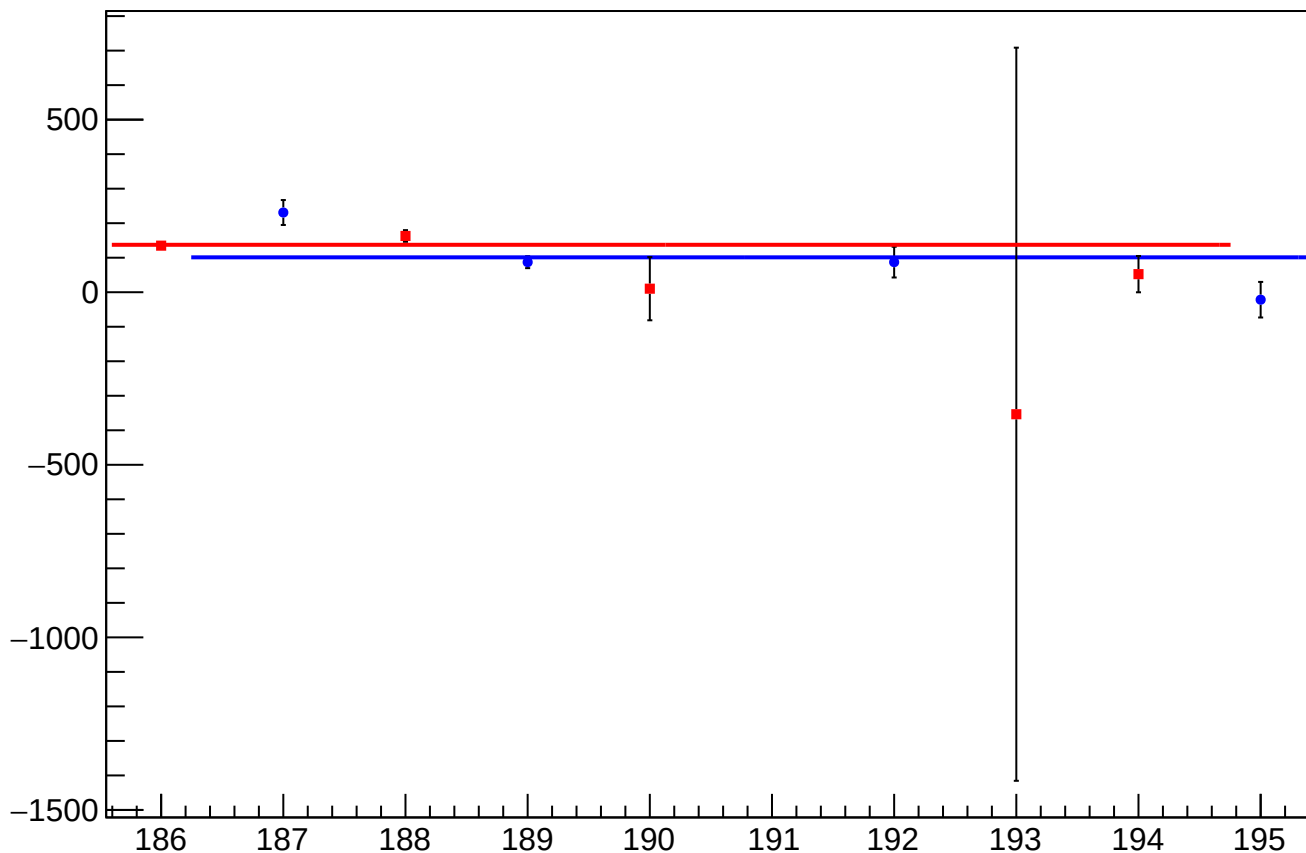
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-5.316 \pm 9.473$   $\chi^2/\text{NDF}$ : 10.8/8

- 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: 137.401 $\pm$ 6.844  $\chi^2$ /NDF: 7.2/4

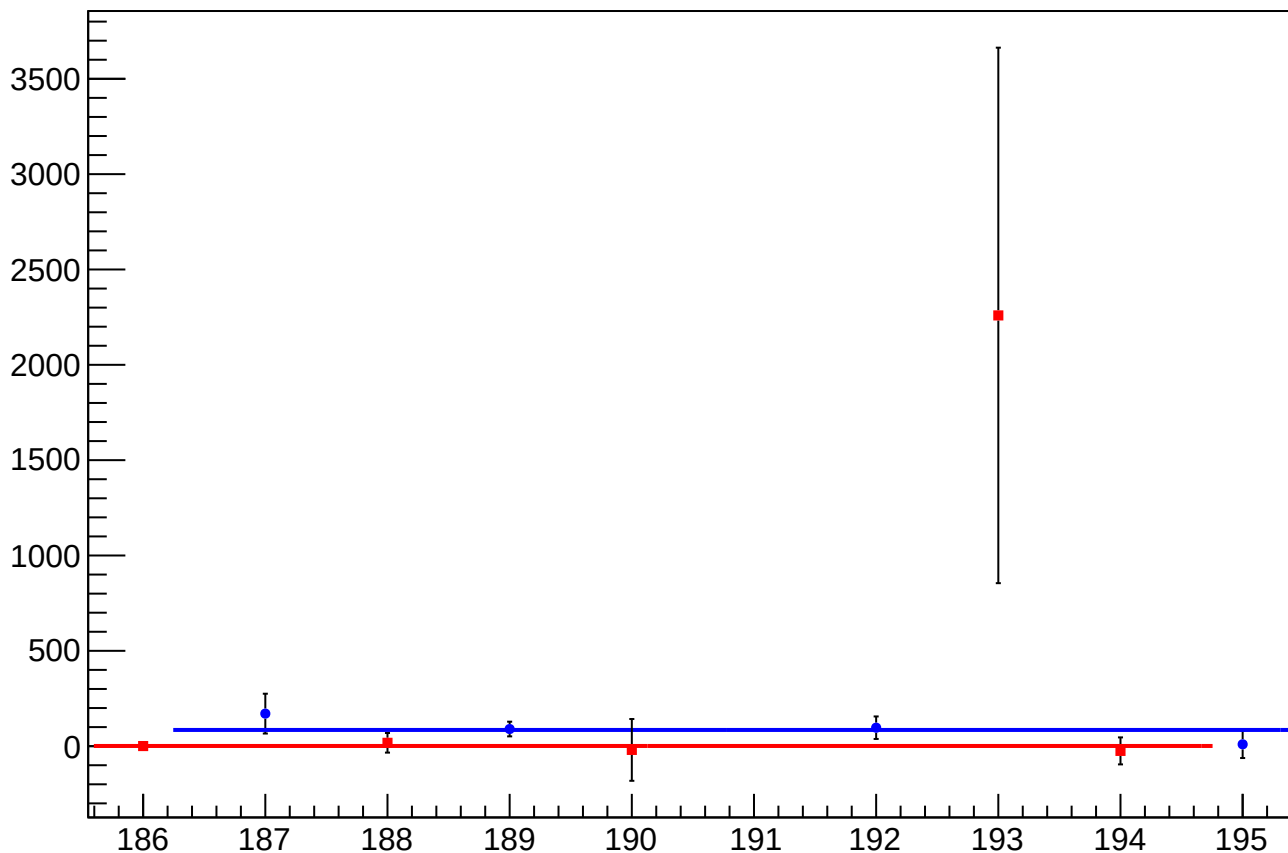
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 130.544 $\pm$ 6.164  $\chi^2$ /NDF: 31.8/8

- 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 $\pm$ 28.330  $\chi^2$ /NDF: 1.8/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.044 $\pm$ 15.742  $\chi^2$ /NDF: 2.8/4

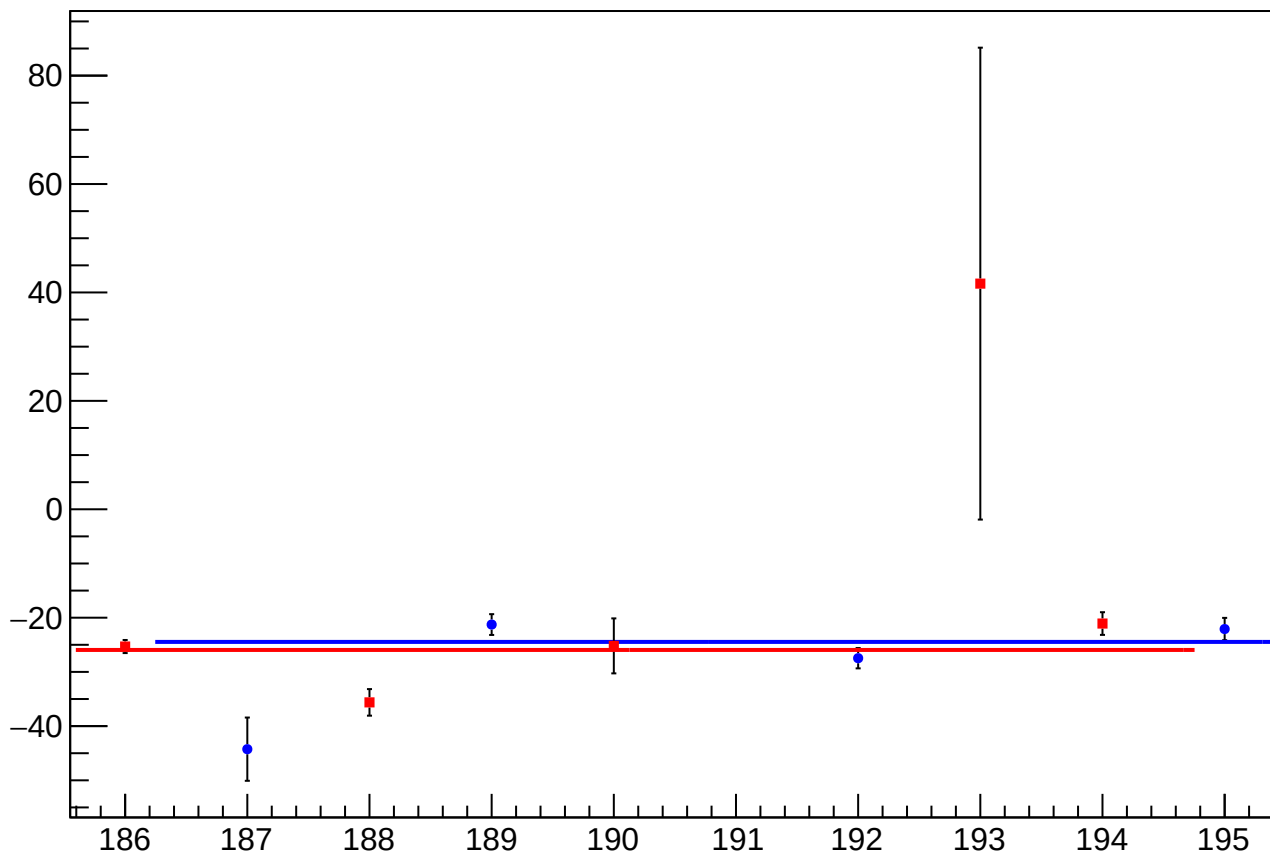
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 20.866 $\pm$ 13.761  $\chi^2$ /NDF: 11.4/8

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug



Right In:  $-24.466 \pm 1.104$   $\chi^2/\text{NDF}: 18.2/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-25.950 \pm 0.945$   $\chi^2/\text{NDF}: 23.7/4$

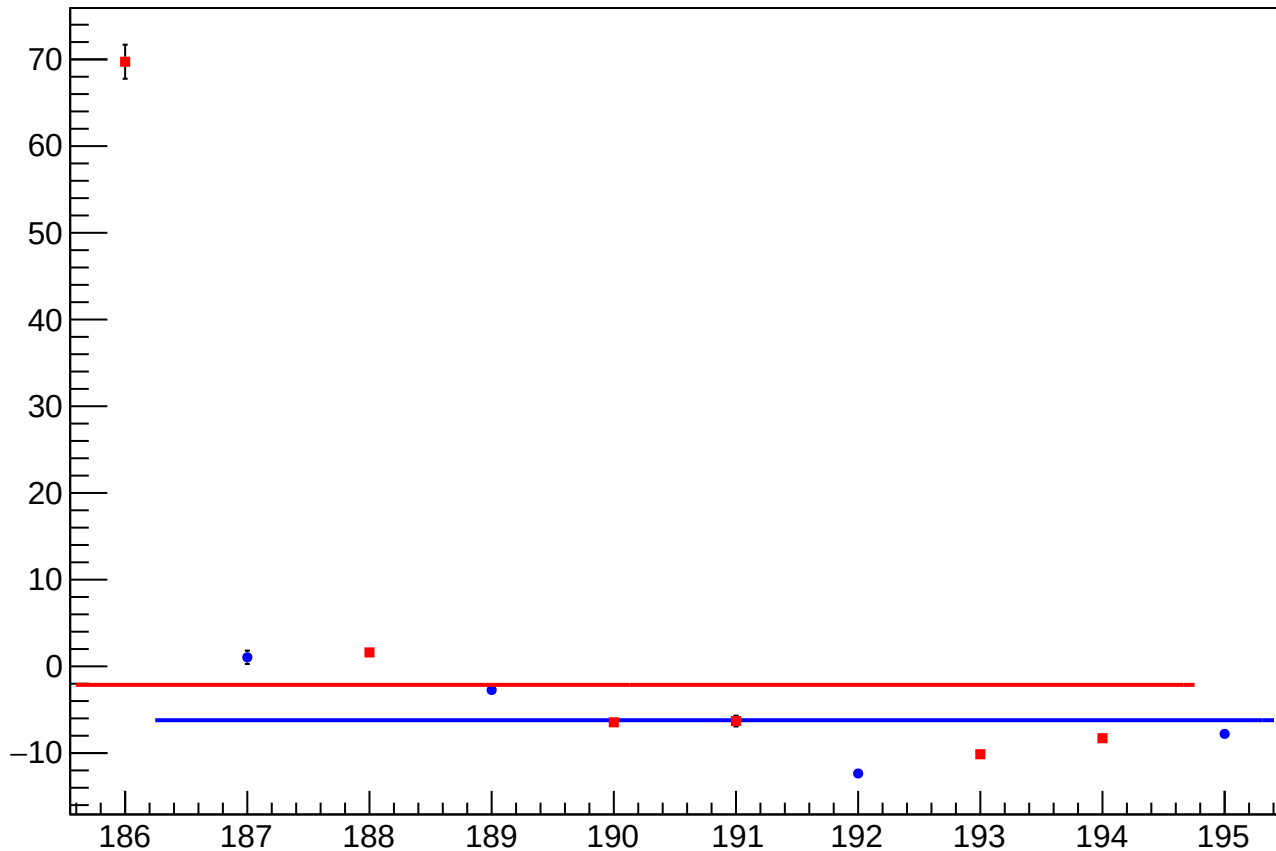
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-25.323 \pm 0.718$   $\chi^2/\text{NDF}: 42.9/8$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_sam\_15\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -6.211+/-0.227  $\chi^2/\text{NDF}$ : 339.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.132+/-0.140  $\chi^2/\text{NDF}$ : 2535.8/5

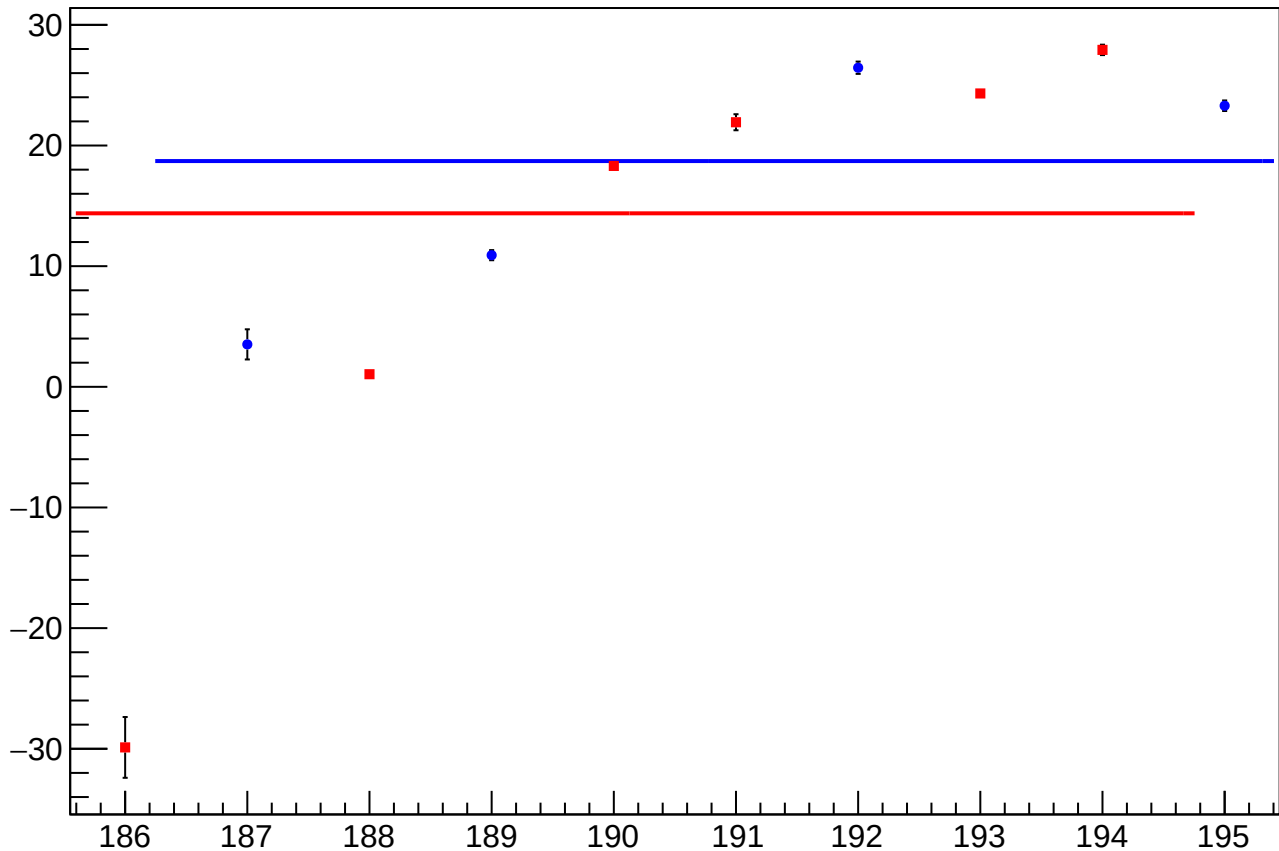
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.253+/-0.119  $\chi^2/\text{NDF}$ : 3110.0/9

- sign 0.000+/-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: 14.380 $\pm$ 0.175  $\chi^2$ /NDF: 4352.5/5

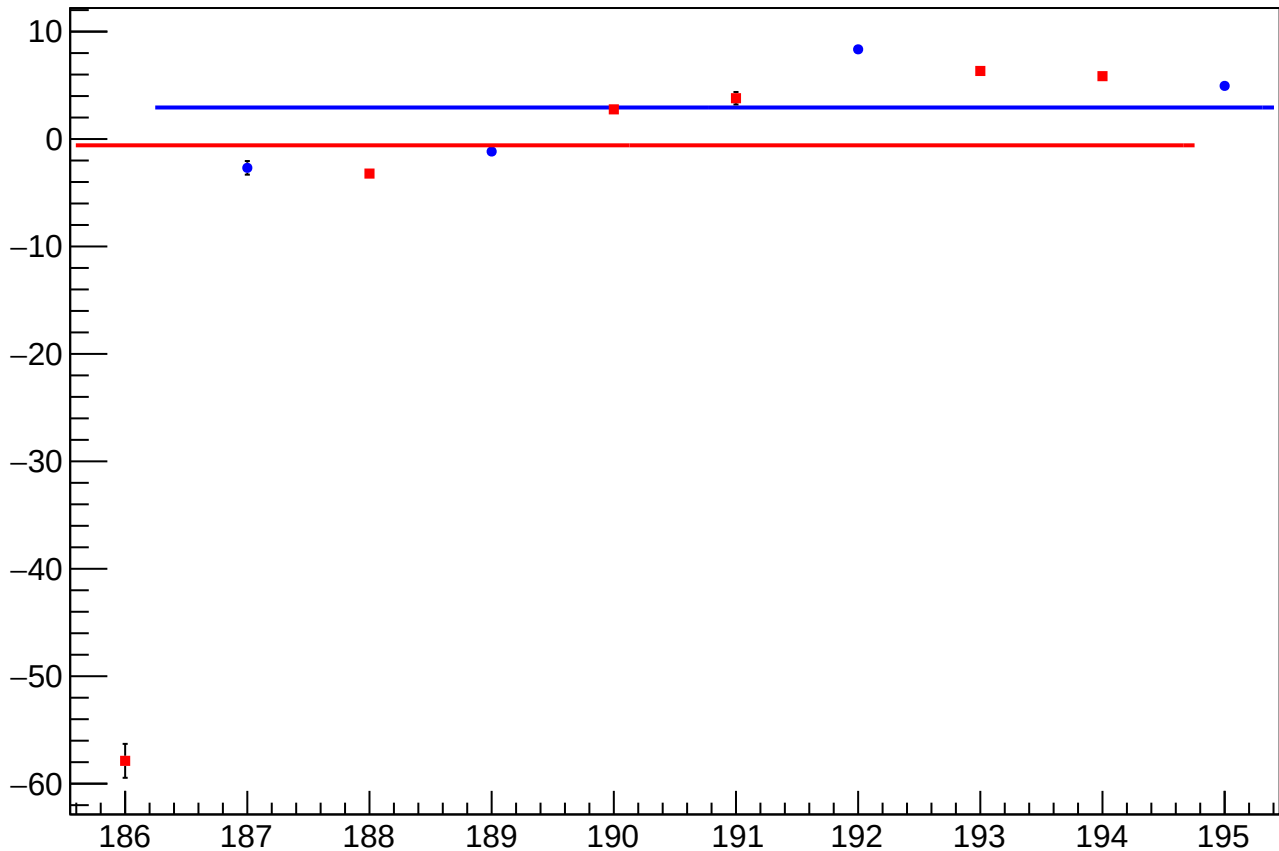
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 15.763 $\pm$ 0.144  $\chi^2$ /NDF: 5382.0/9

- 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: -0.586 $\pm$ 0.119  $\chi^2$ /NDF: 2438.9/5

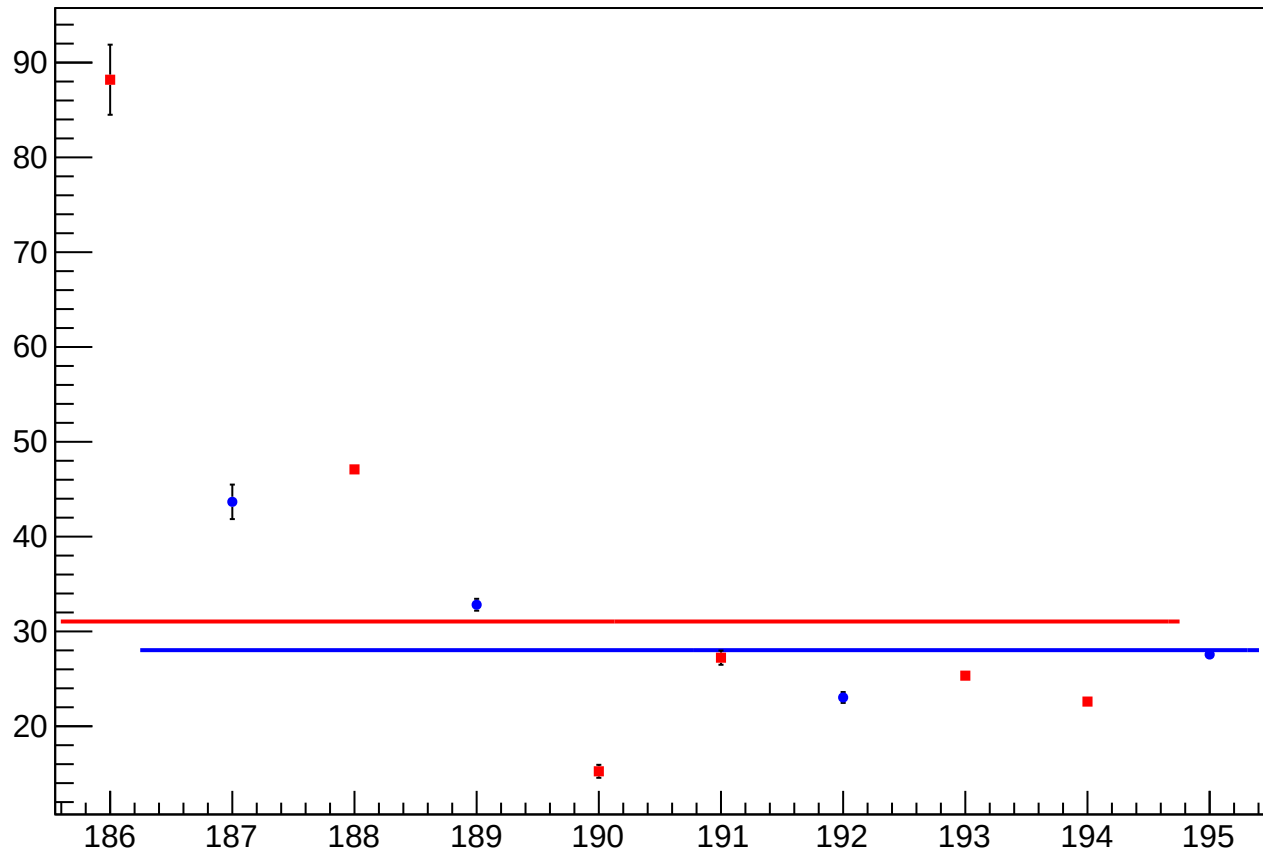
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.334 $\pm$ 0.103  $\chi^2$ /NDF: 3070.4/9

- 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+/-0.318  $\chi^2/\text{NDF}$ : 208.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 31.047+/-0.230  $\chi^2/\text{NDF}$ : 2816.9/5

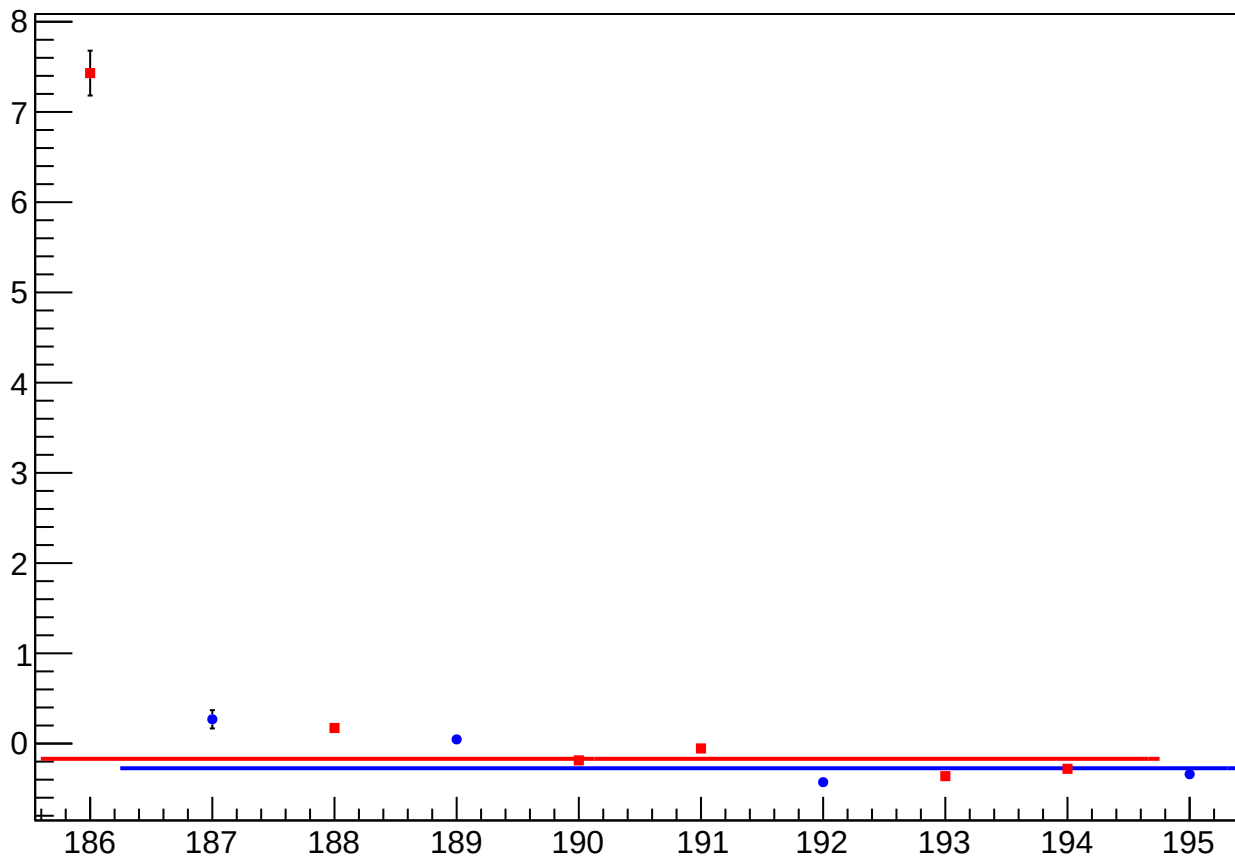
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.011+/-0.186  $\chi^2/\text{NDF}$ : 3084.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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:  $-0.169 \pm 0.008$   $\chi^2/\text{NDF}$ : 1590.2/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

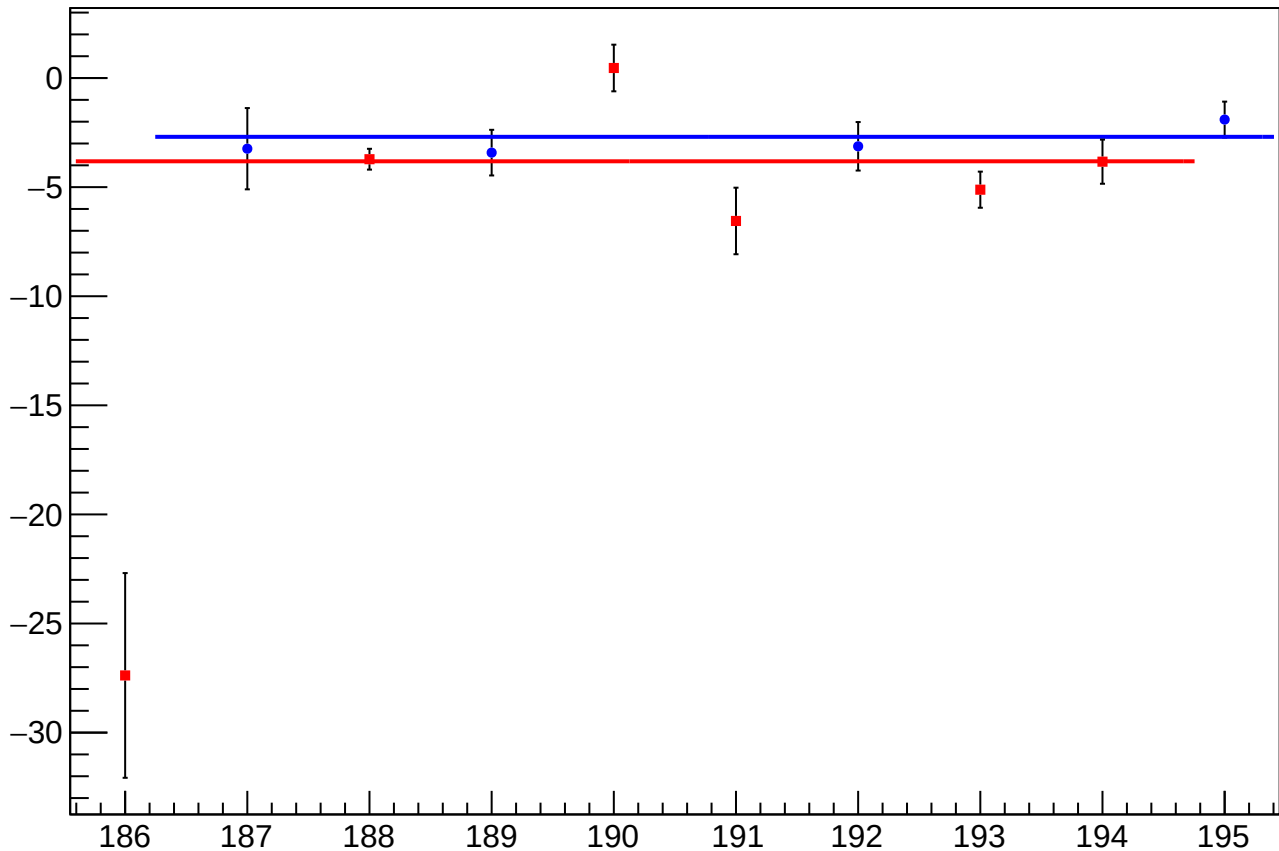
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.207 \pm 0.006$   $\chi^2/\text{NDF}$ : 2010.5/9

- 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+/-0.535  $\chi^2/\text{NDF}$ : 1.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.816+/-0.350  $\chi^2/\text{NDF}$ : 47.0/5

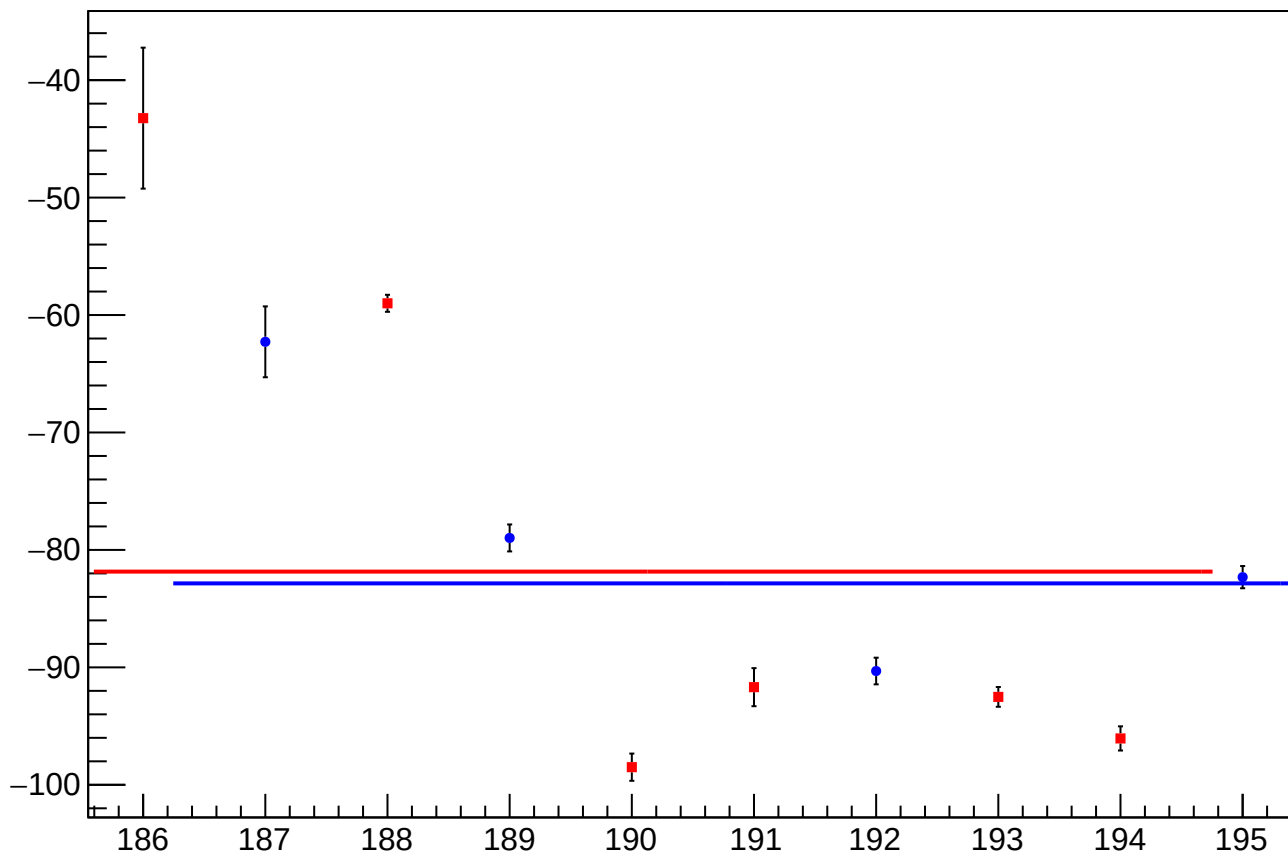
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.480+/-0.293  $\chi^2/\text{NDF}$ : 51.7/9

- sign 0.000+/-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:  $-81.847 \pm 0.430$   $\chi^2/\text{NDF}$ : 1631.2/5

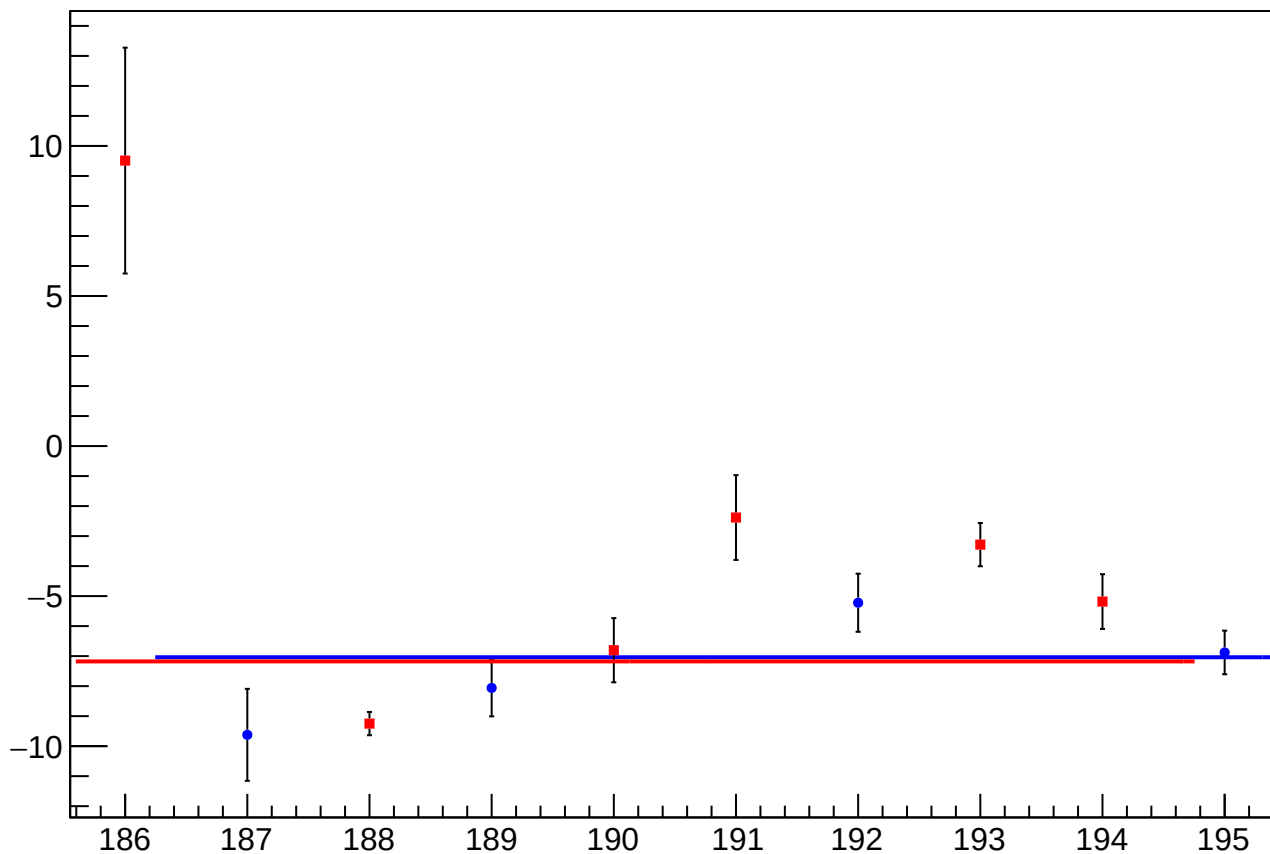
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-82.186 \pm 0.350$   $\chi^2/\text{NDF}$ : 1734.4/9

- 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:  $-7.038 \pm 0.471$   $\chi^2/\text{NDF}$ : 7.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-7.177 \pm 0.298$   $\chi^2/\text{NDF}$ : 93.9/5

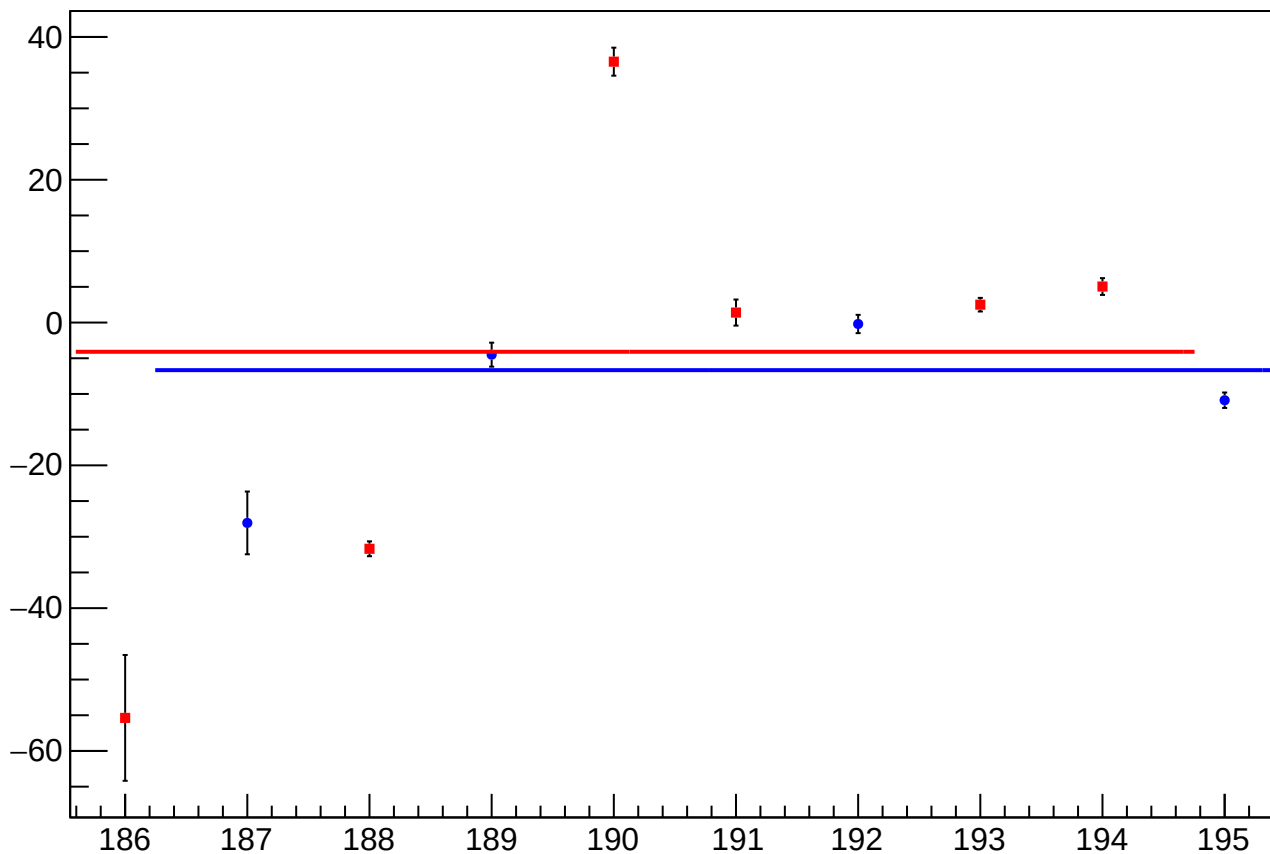
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-7.137 \pm 0.252$   $\chi^2/\text{NDF}$ : 101.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: -6.666 $\pm$ 0.732  $\chi^2$ /NDF: 66.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -4.093 $\pm$ 0.549  $\chi^2$ /NDF: 1282.9/5

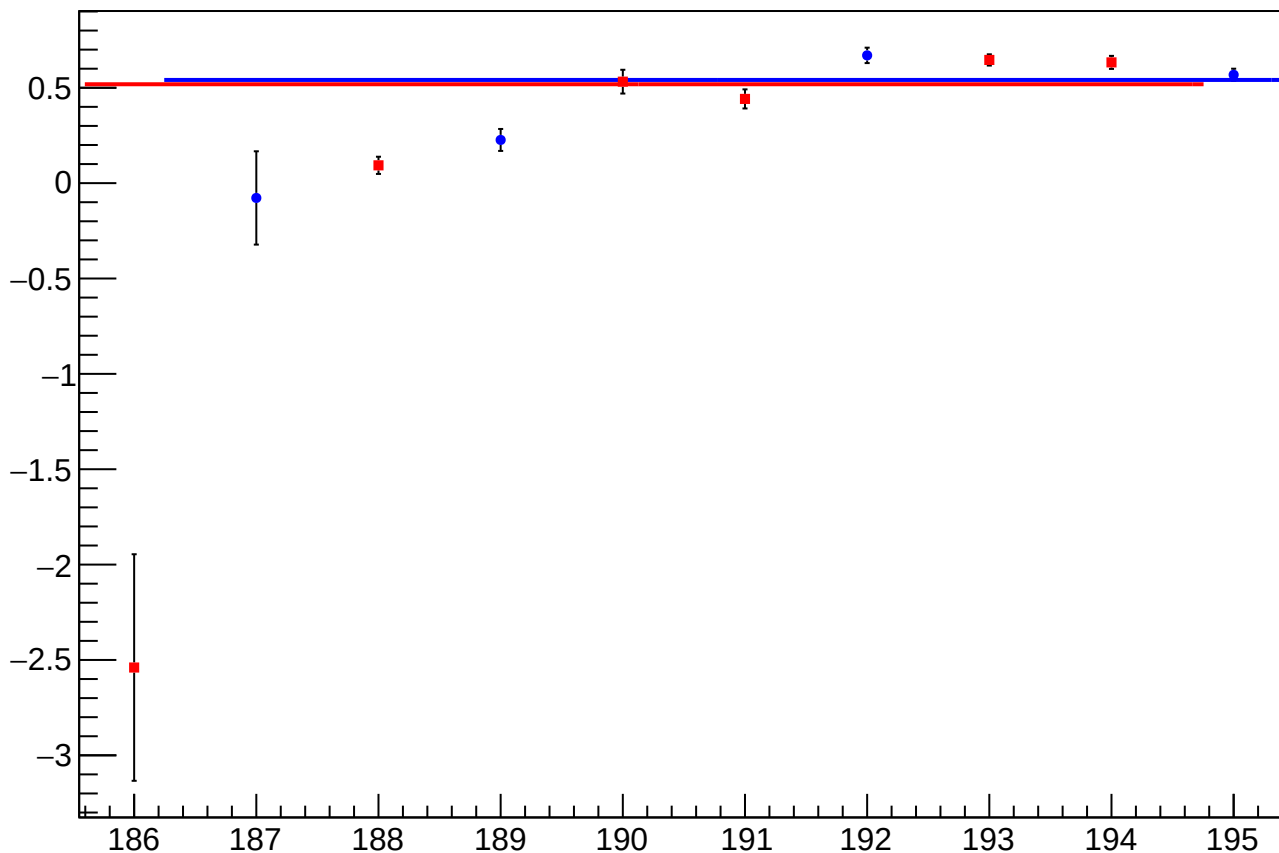
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -5.019 $\pm$ 0.439  $\chi^2$ /NDF: 1356.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 0.518 $\pm$ 0.018  $\chi^2$ /NDF: 147.7/5

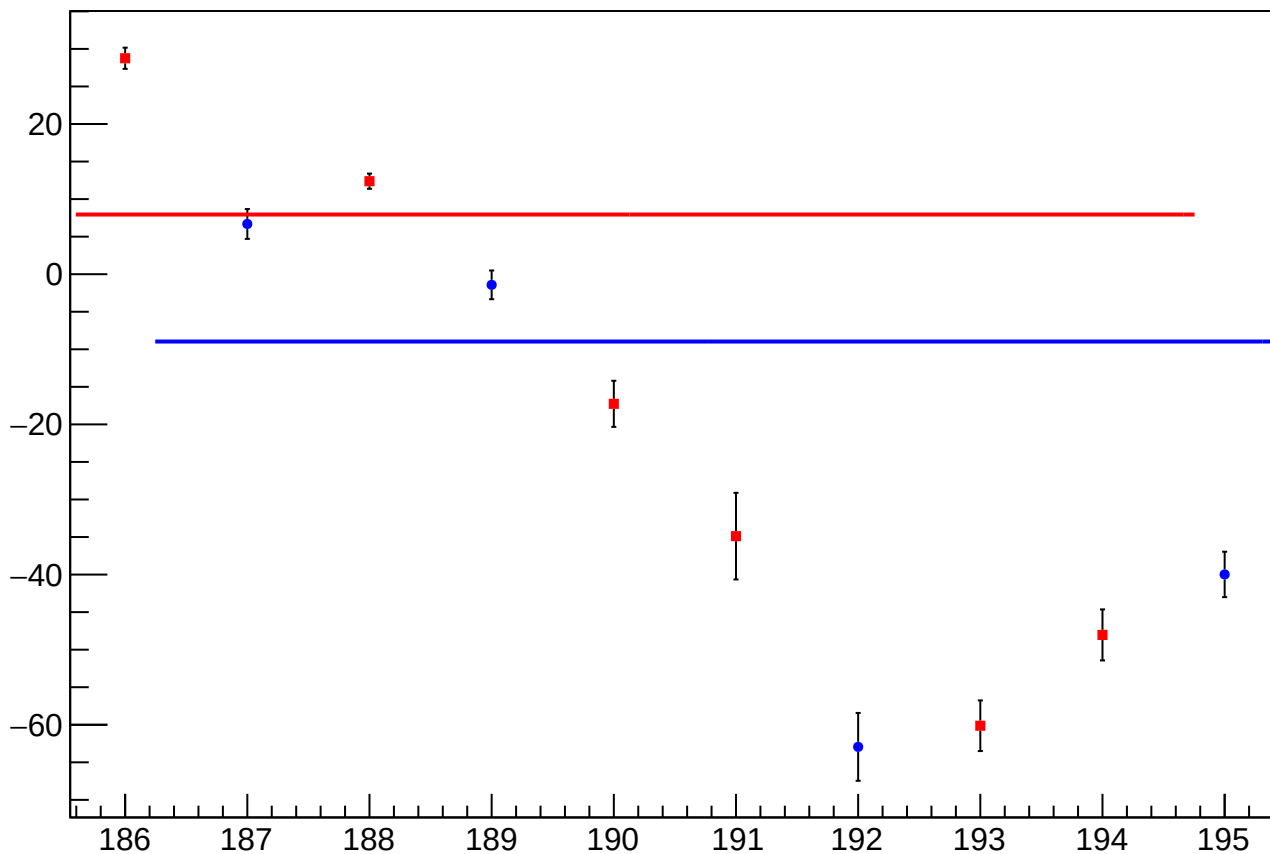
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.527 $\pm$ 0.014  $\chi^2$ /NDF: 195.4/9

- 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: 7.945+/-0.748  $\chi^2/\text{NDF}$ : 1039.0/5

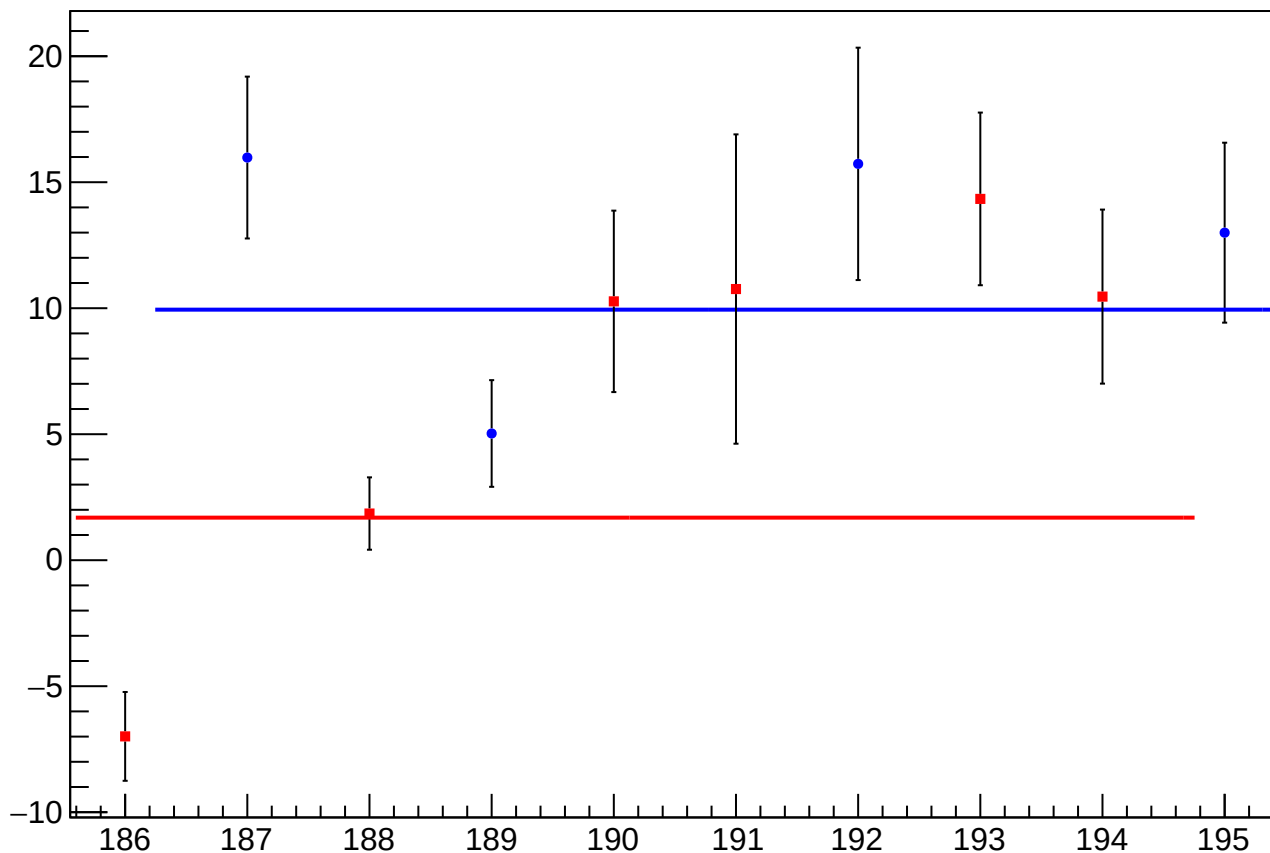
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.262+/-0.636  $\chi^2/\text{NDF}$ : 1506.1/9

- 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: 1.689 $\pm$ 0.962  $\chi^2$ /NDF: 52.2/5

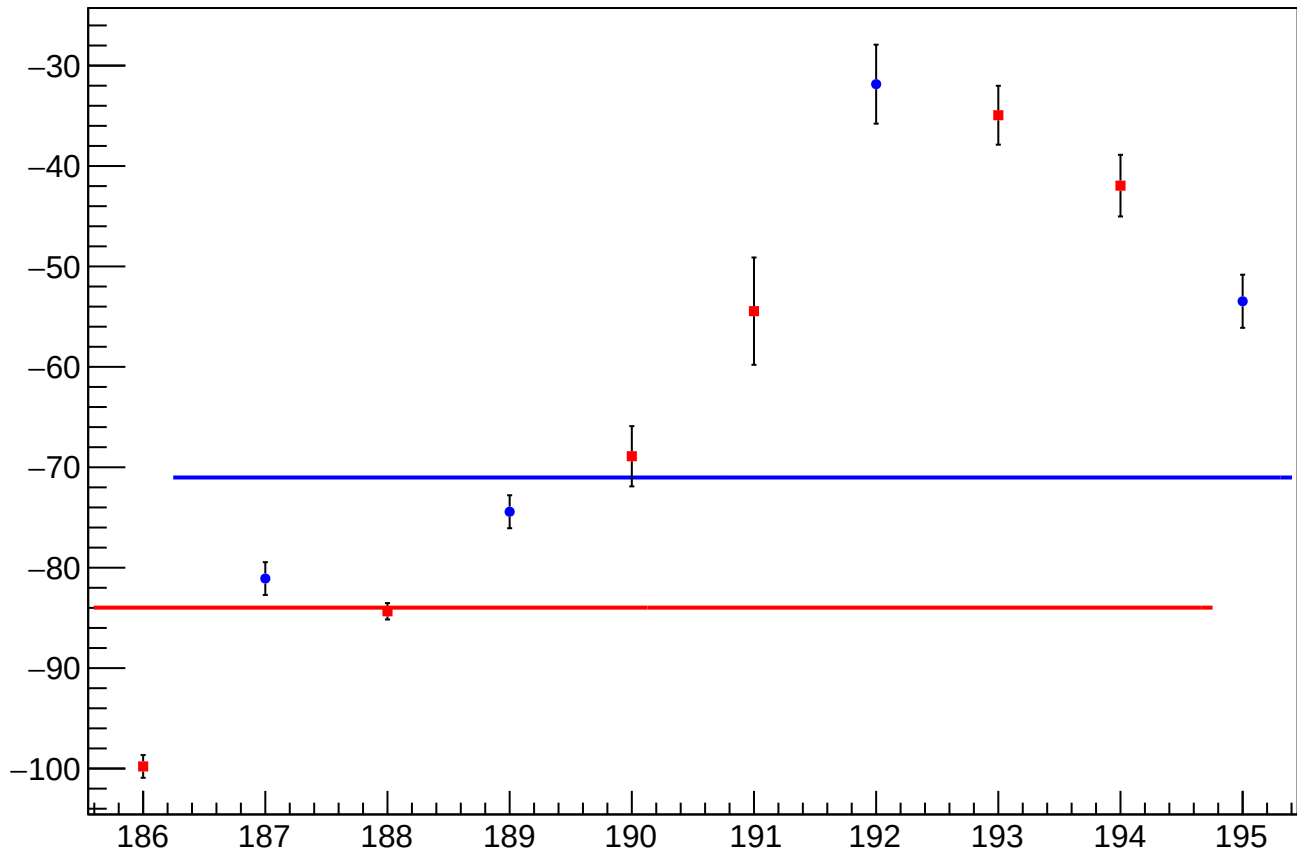
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 4.100 $\pm$ 0.810  $\chi^2$ /NDF: 84.9/9

- 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+/-1.024  $\chi^2/\text{NDF}$ : 185.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -83.977+/-0.615  $\chi^2/\text{NDF}$ : 718.3/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

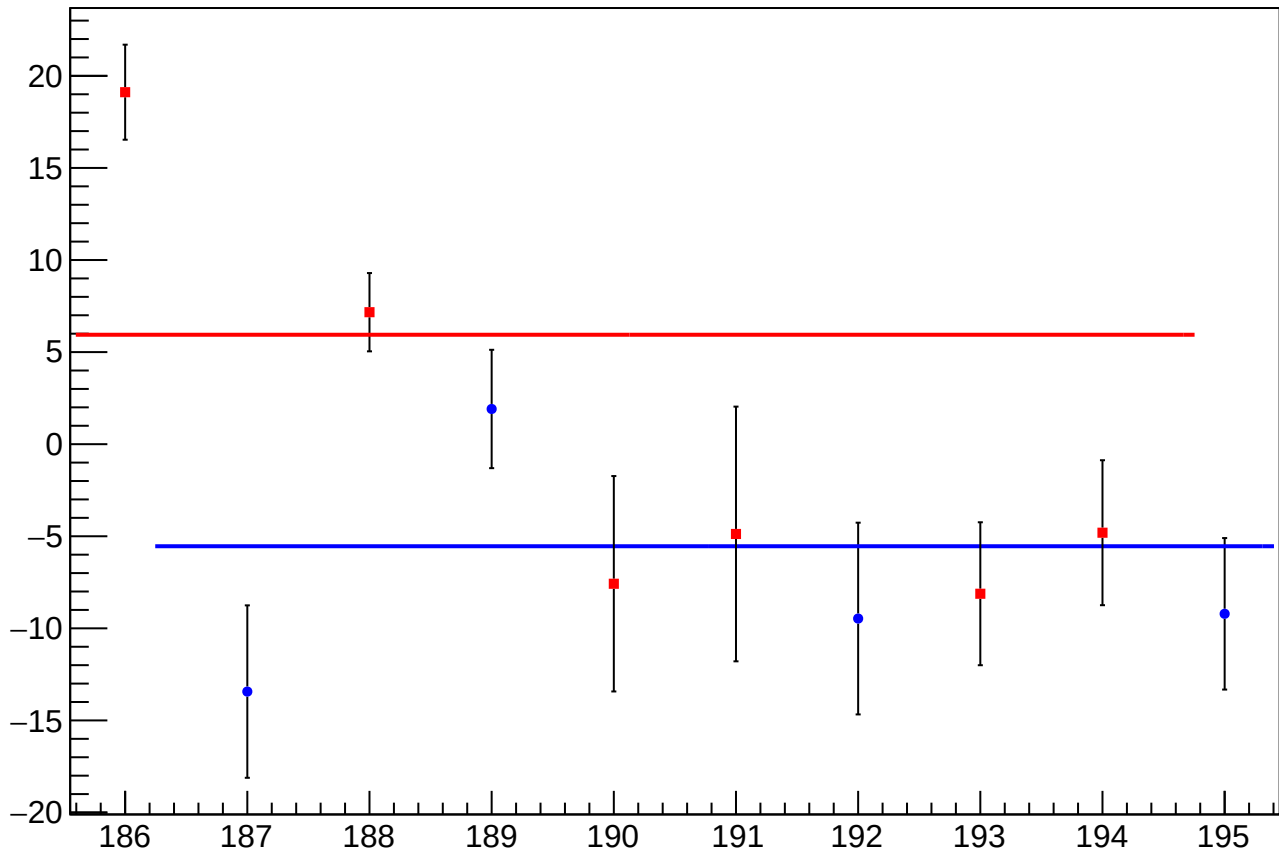
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -80.545+/-0.527  $\chi^2/\text{NDF}$ : 1021.6/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 5.942 $\pm$ 1.345  $\chi^2$ /NDF: 54.8/5

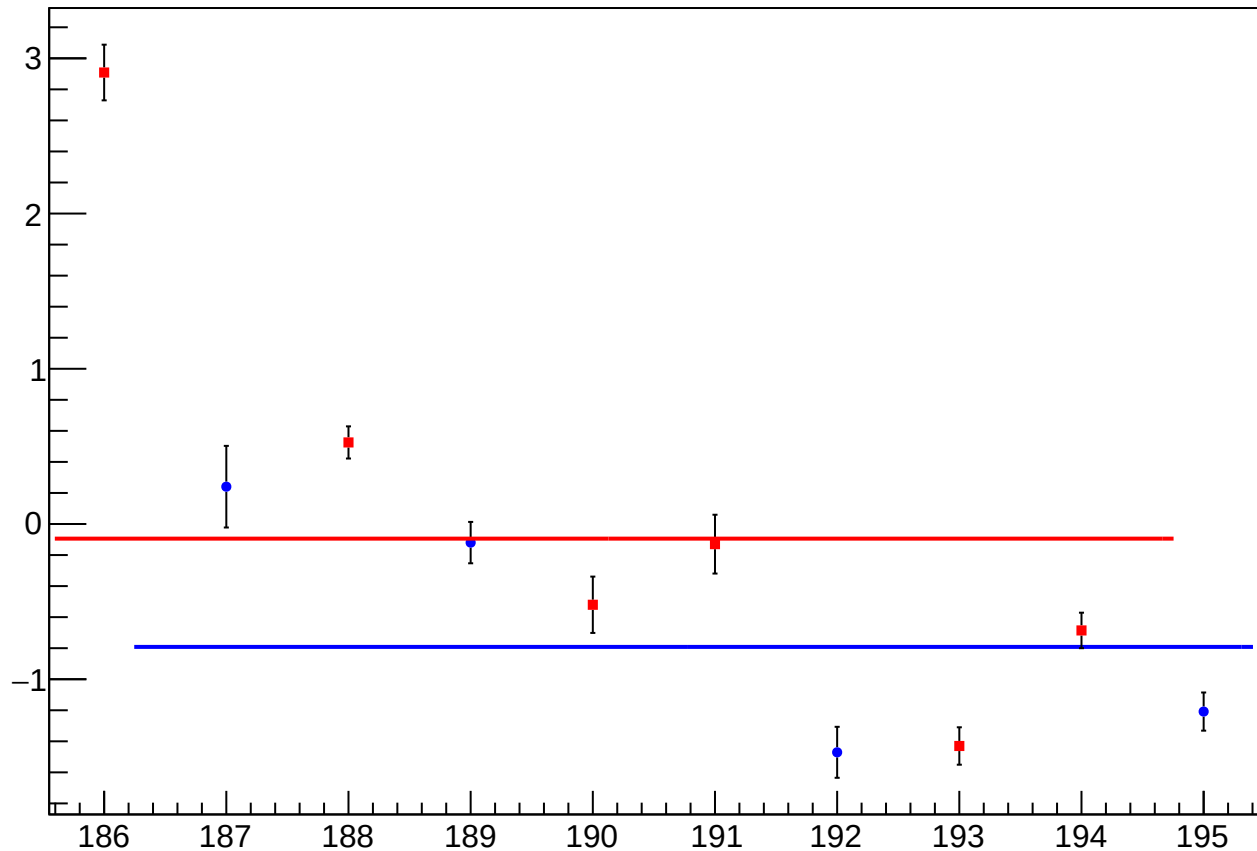
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.480 $\pm$ 1.124  $\chi^2$ /NDF: 86.3/9

- 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:  $-0.094 \pm 0.055$   $\chi^2/\text{NDF}$ : 471.2/5

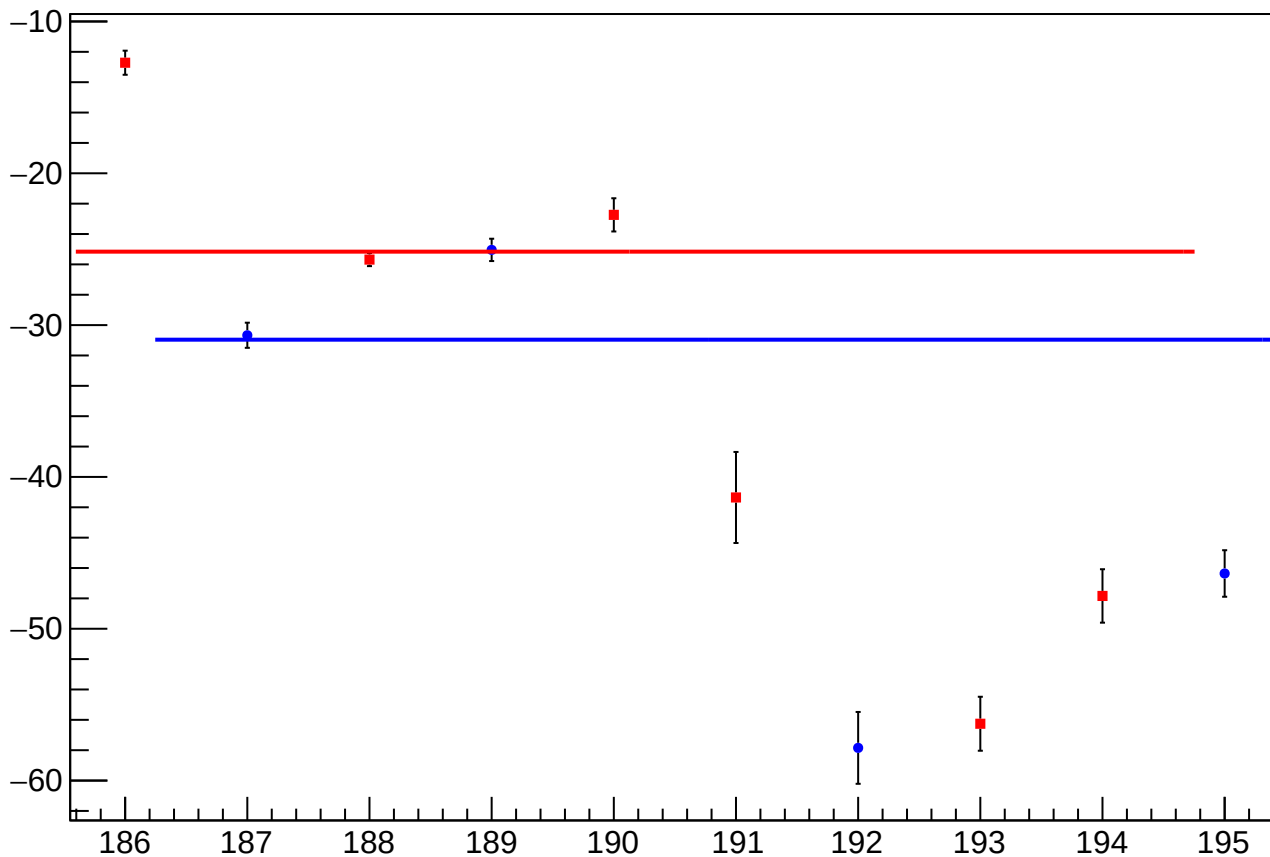
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.336 \pm 0.045$   $\chi^2/\text{NDF}$ : 595.9/9

- 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:  $-25.161 \pm 0.342$   $\chi^2/\text{NDF}$ : 753.4/5

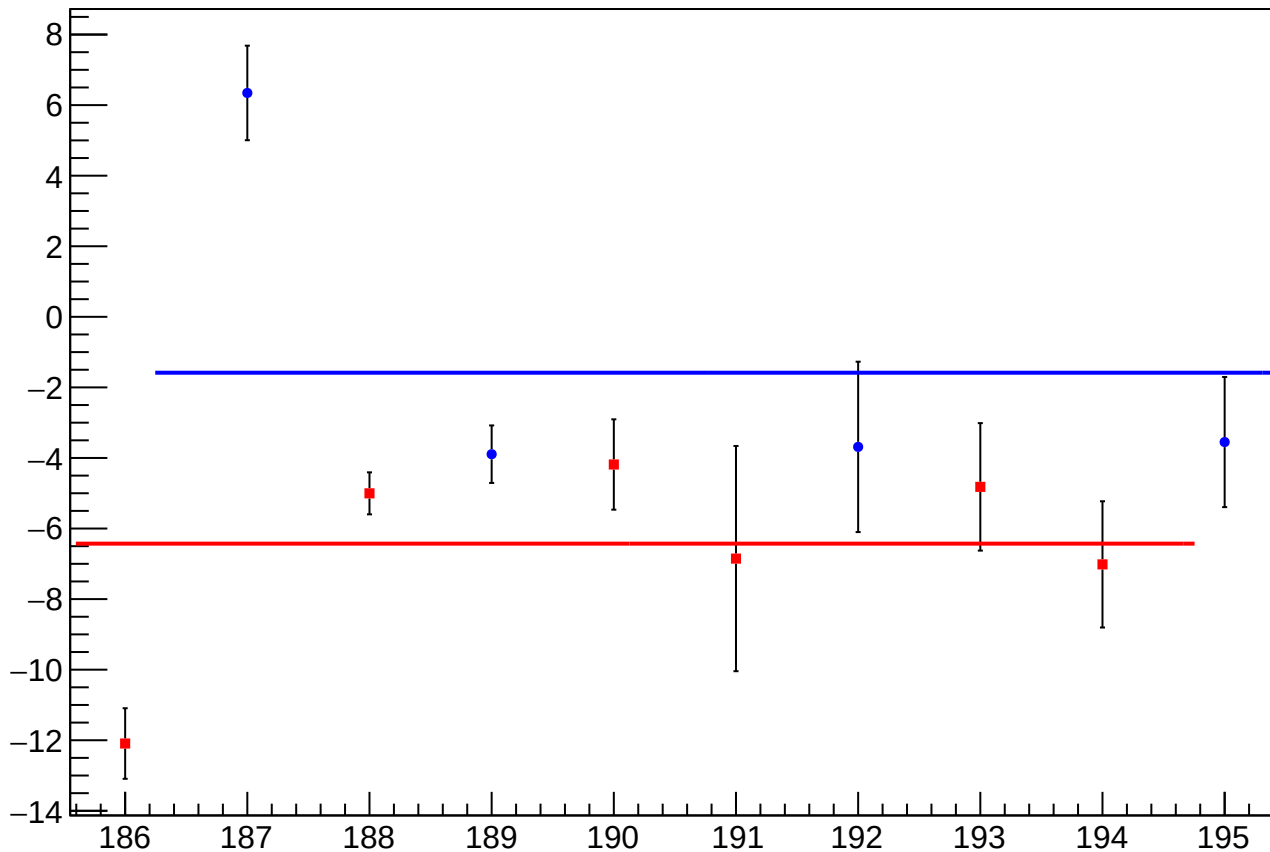
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-26.980 \pm 0.283$   $\chi^2/\text{NDF}$ : 1138.7/9

- 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:  $-1.584 \pm 0.629$   $\chi^2/\text{NDF}: 44.9/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.428 \pm 0.441$   $\chi^2/\text{NDF}: 41.8/5$

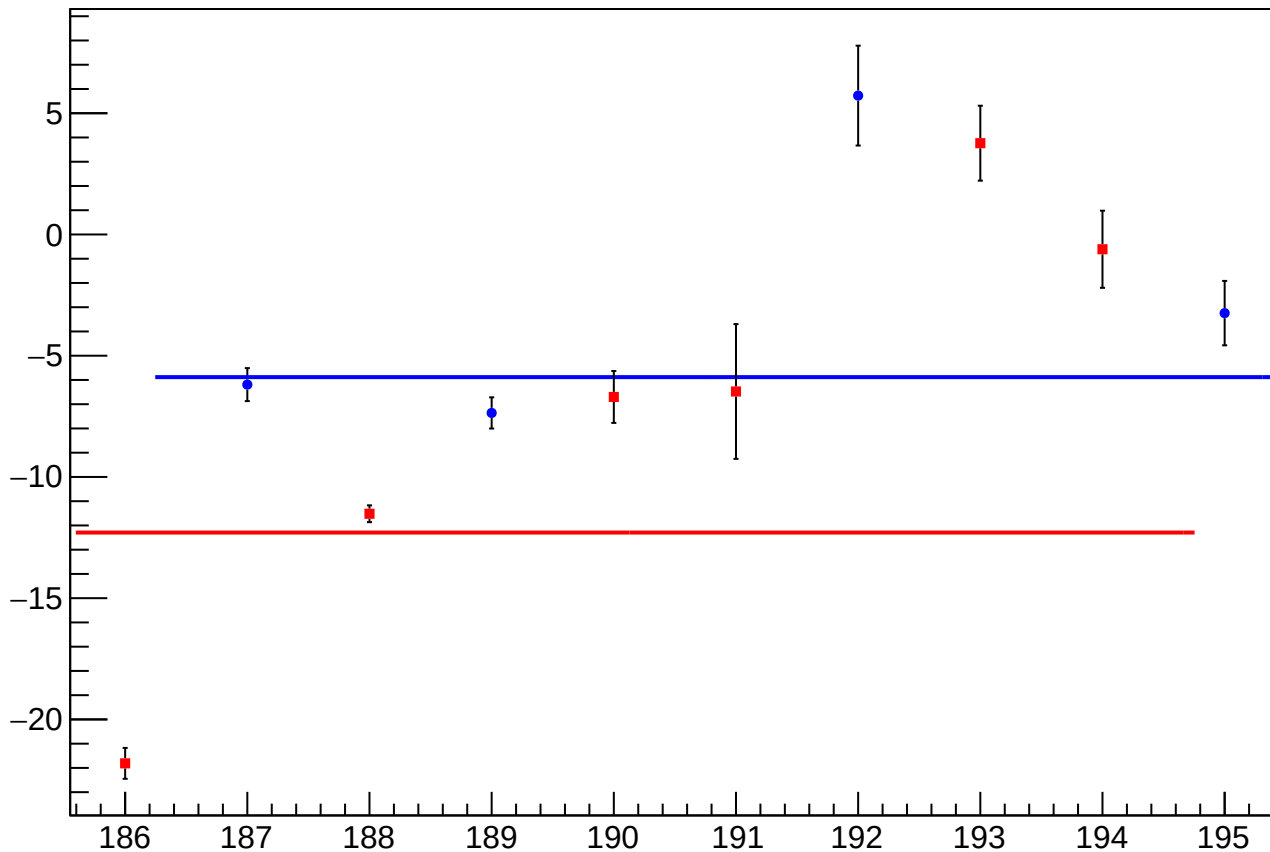
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-4.834 \pm 0.361$   $\chi^2/\text{NDF}: 126.6/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug



Right In:  $-5.883 \pm 0.431$   $\chi^2/\text{NDF}$ : 41.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-12.293 \pm 0.281$   $\chi^2/\text{NDF}$ : 421.9/5

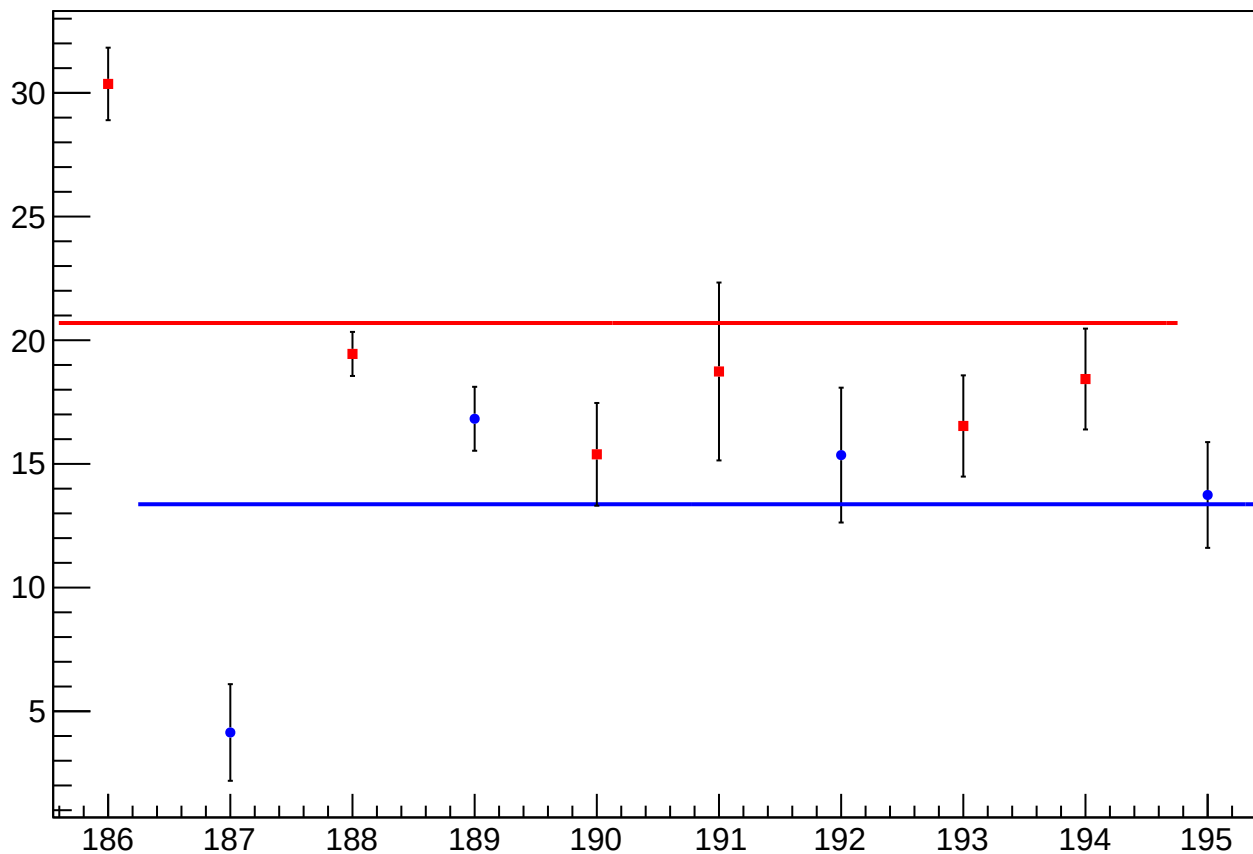
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-10.378 \pm 0.236$   $\chi^2/\text{NDF}$ : 618.1/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: 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: 20.696 $\pm$ 0.631  $\chi^2$ /NDF: 57.7/5

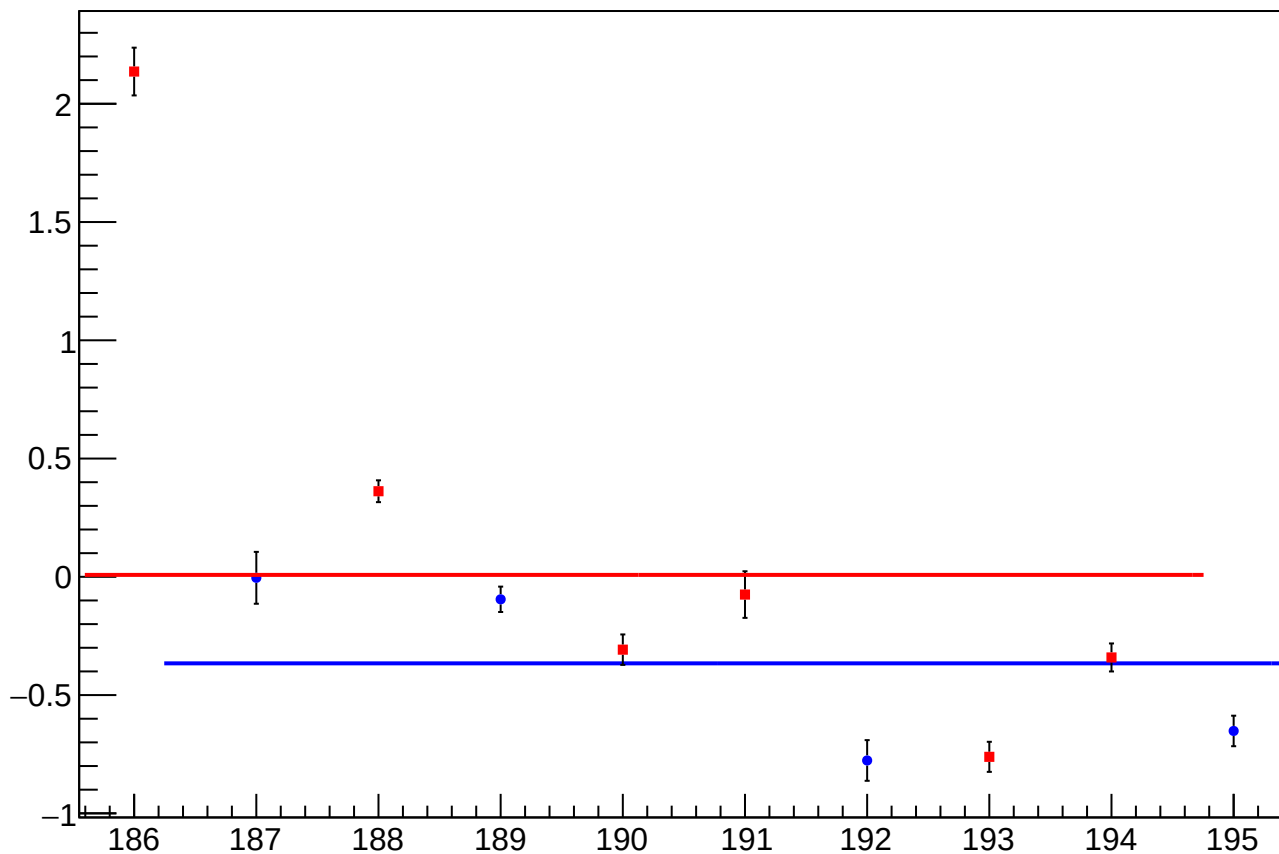
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 18.311 $\pm$ 0.518  $\chi^2$ /NDF: 131.6/9

- 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:  $0.008 \pm 0.026$   $\chi^2/\text{NDF}$ : 709.2/5

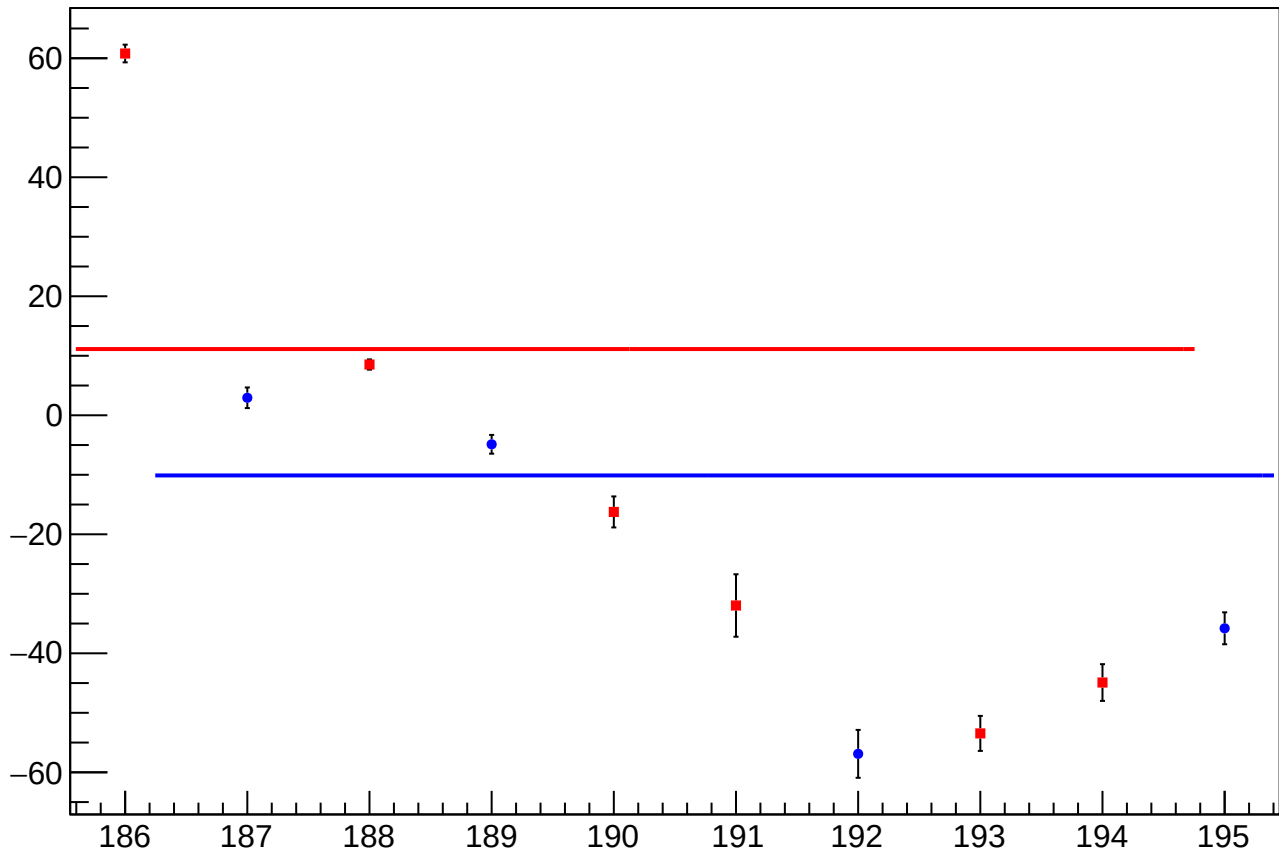
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.126 \pm 0.021$   $\chi^2/\text{NDF}$ : 860.3/9

- 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+/-1.033  $\chi^2/\text{NDF}$ : 294.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.129+/-0.672  $\chi^2/\text{NDF}$ : 2115.3/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

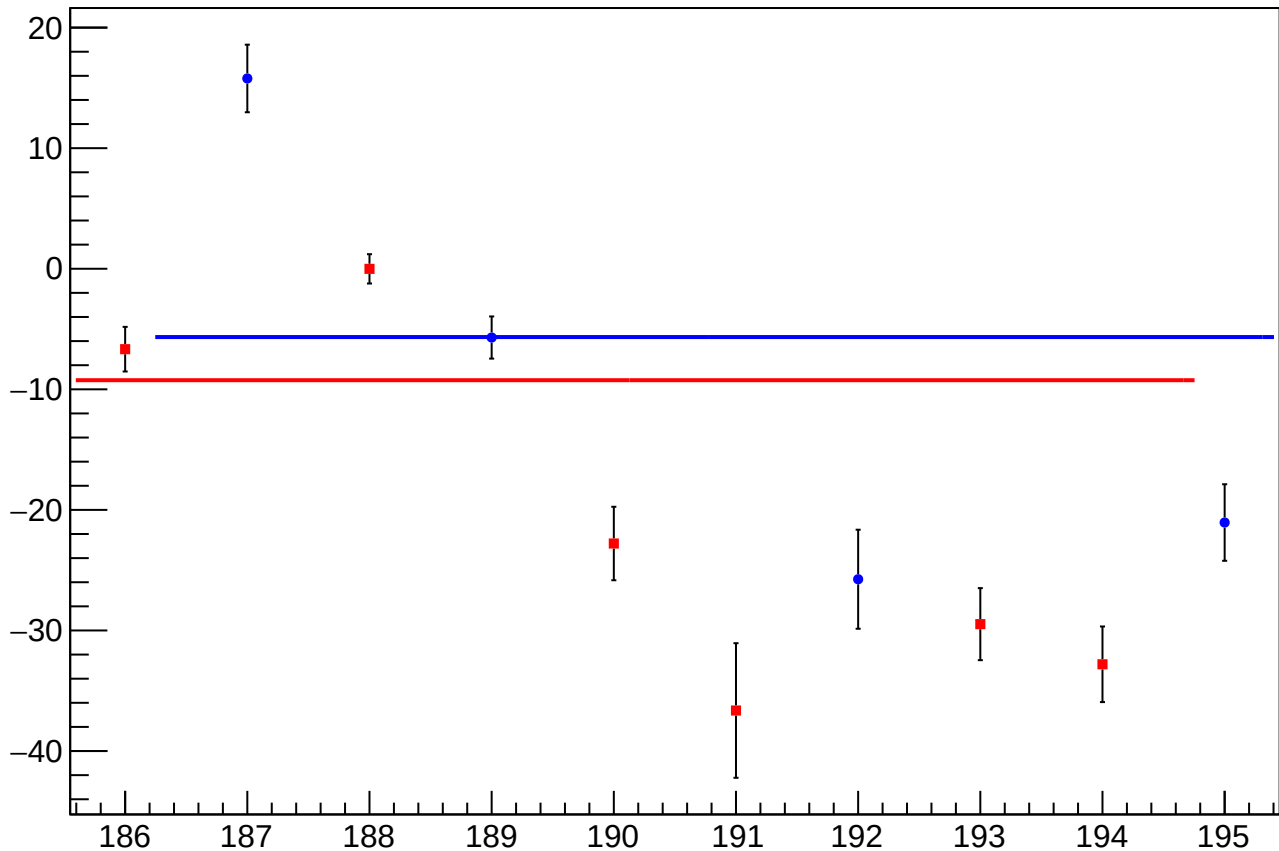
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.811+/-0.564  $\chi^2/\text{NDF}$ : 2706.7/9

- sign 0.000+/-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: -9.244+/-0.870  $\chi^2/\text{NDF}$ : 205.8/5

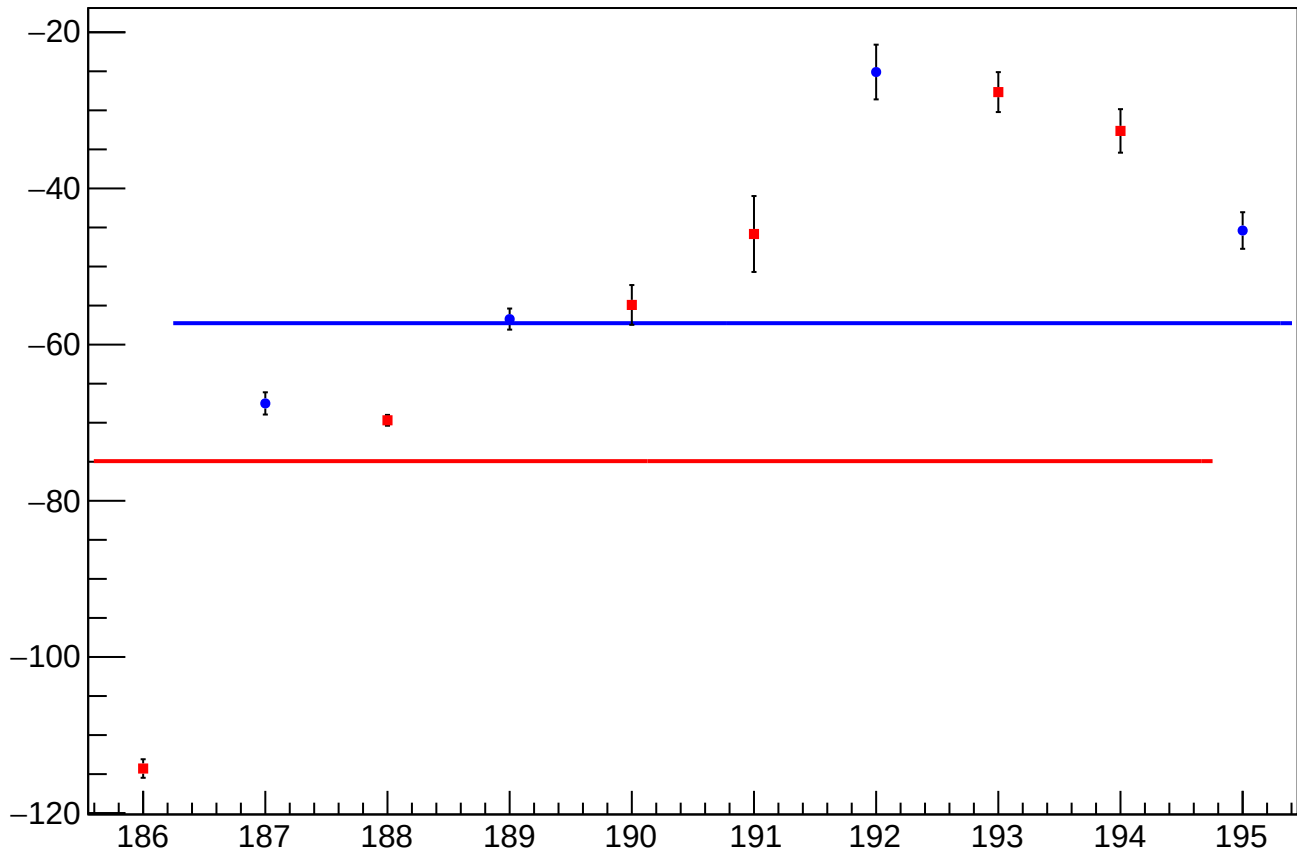
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -8.110+/-0.719  $\chi^2/\text{NDF}$ : 317.1/9

- 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+/-0.875  $\chi^2/\text{NDF}$ : 162.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -74.921+/-0.553  $\chi^2/\text{NDF}$ : 1823.9/5

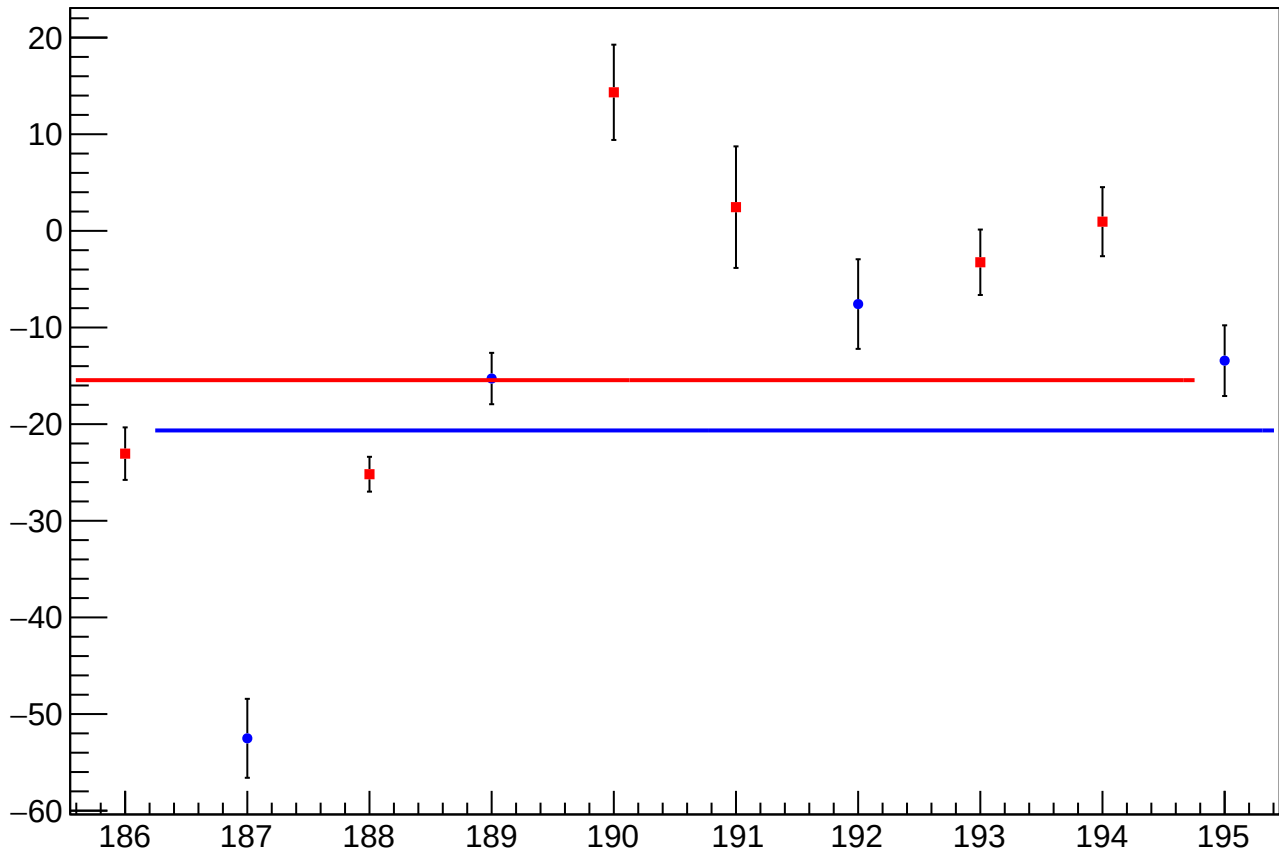
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -69.882+/-0.467  $\chi^2/\text{NDF}$ : 2277.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: -15.449+/-1.217  $\chi^2/\text{NDF}$ : 115.7/5

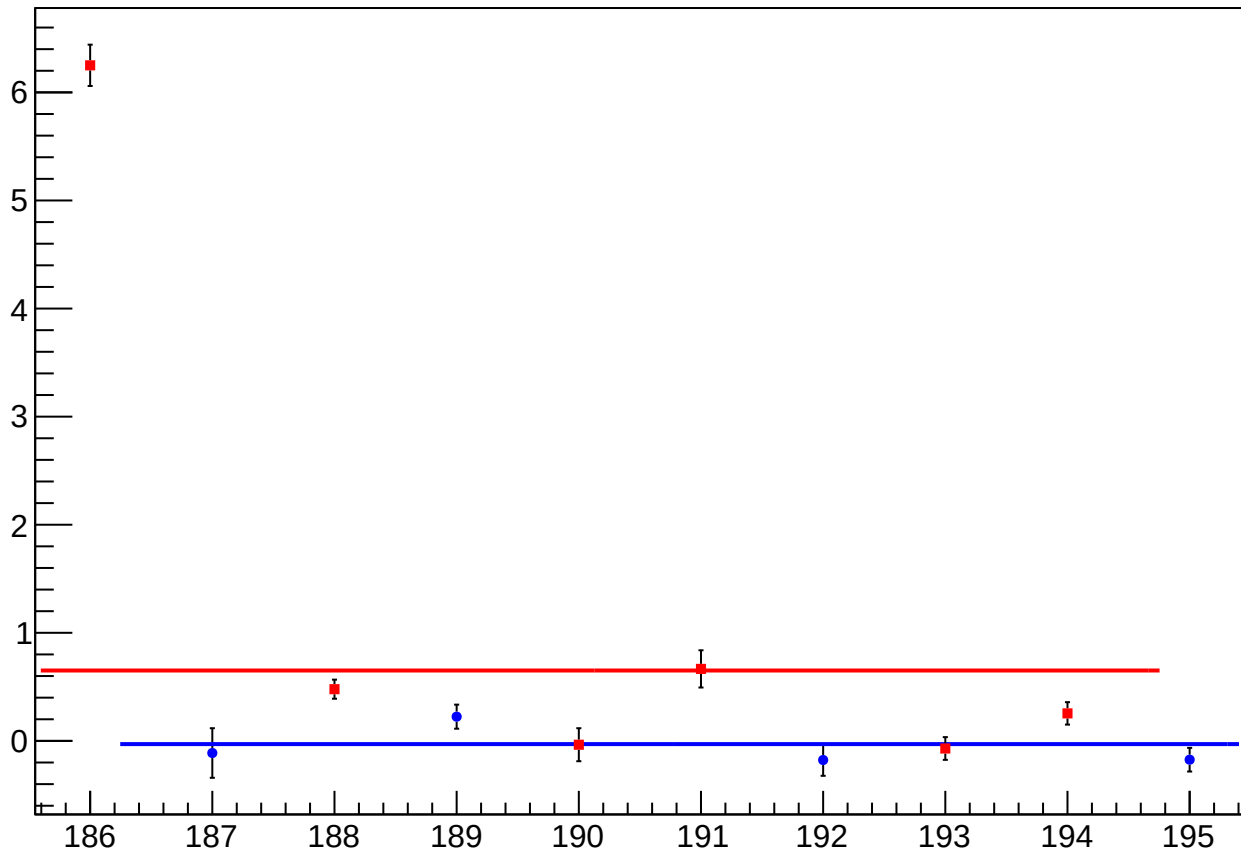
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -17.132+/-1.001  $\chi^2/\text{NDF}$ : 198.3/9

- 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+/-0.066  $\chi^2/\text{NDF}$ : 8.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.651+/-0.049  $\chi^2/\text{NDF}$ : 943.5/5

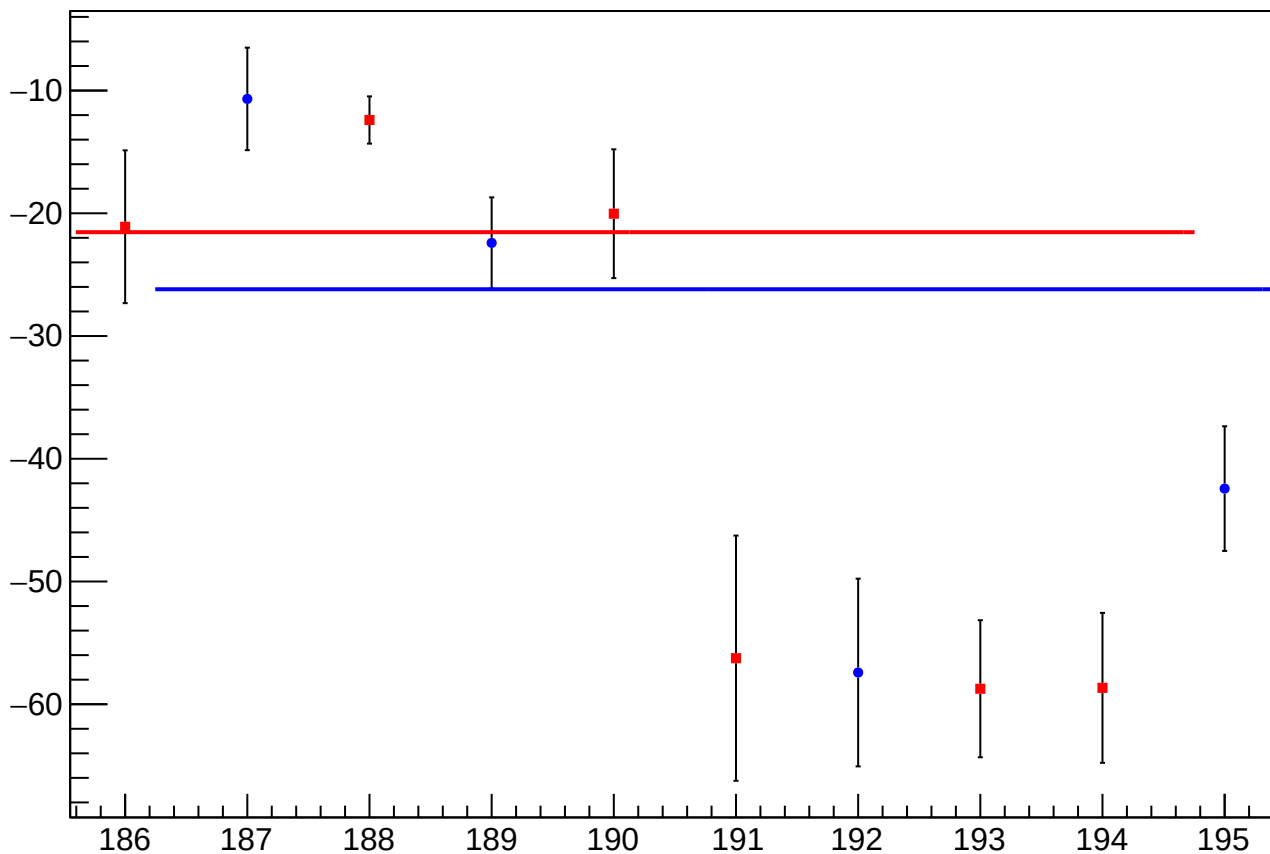
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.409+/-0.039  $\chi^2/\text{NDF}$ : 1020.2/9

- sign 0.000+/-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:  $-21.540 \pm 1.579$   $\chi^2/\text{NDF}$ : 116.0/5

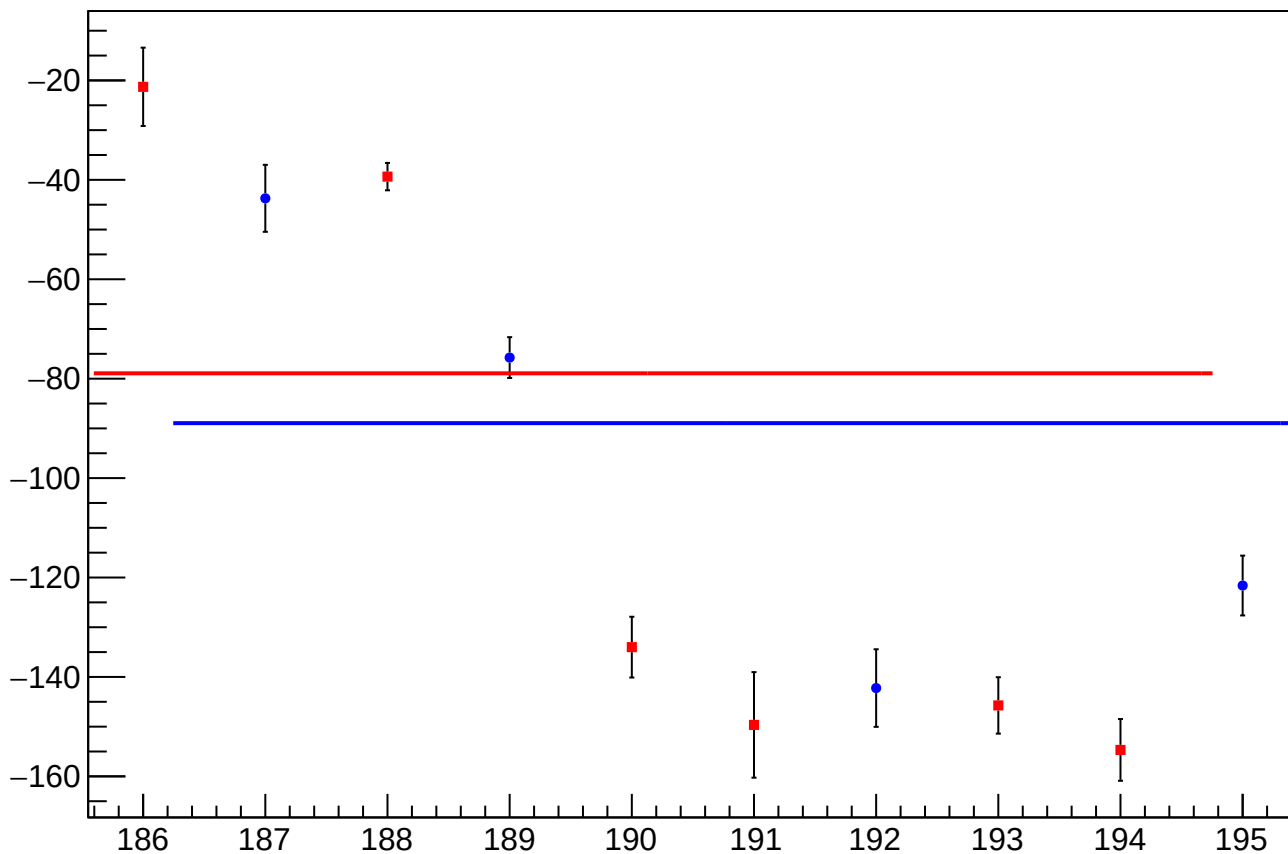
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-23.012 \pm 1.305$   $\chi^2/\text{NDF}$ : 160.5/9

- 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  $\chi^2$ /NDF: 131.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -78.921 $\pm$ 2.039  $\chi^2$ /NDF: 672.7/5

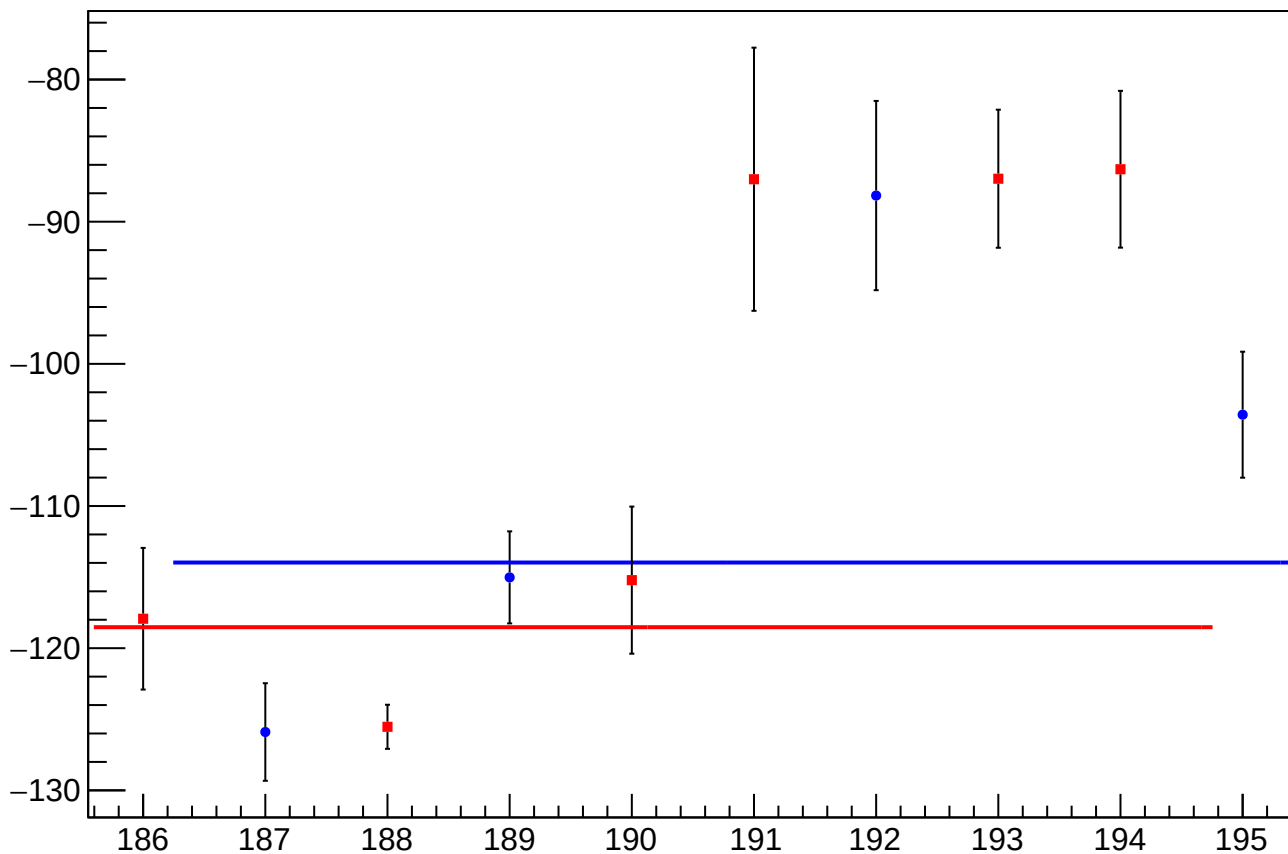
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -82.356 $\pm$ 1.654  $\chi^2$ /NDF: 812.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: -118.524 $\pm$ 1.313  $\chi^2$ /NDF: 108.7/5

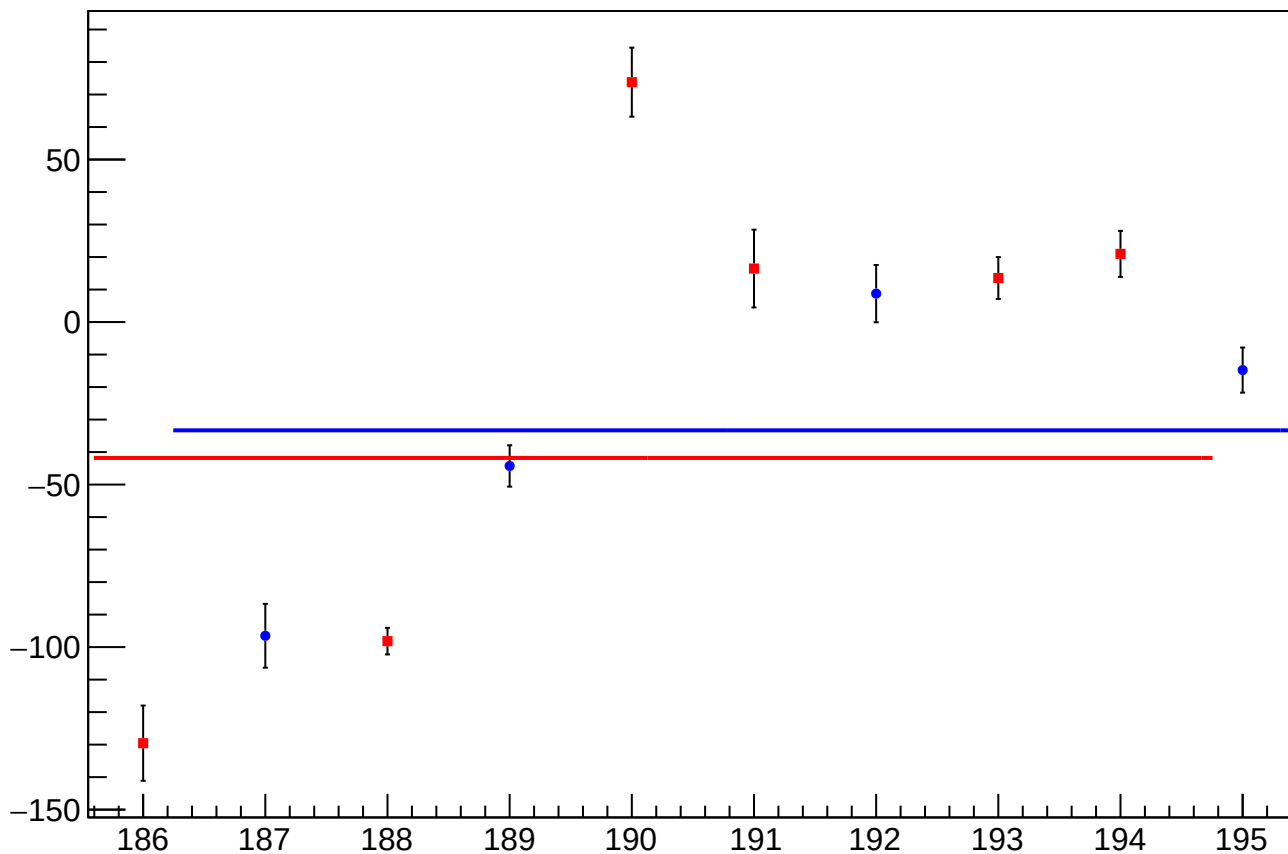
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -117.139 $\pm$ 1.095  $\chi^2$ /NDF: 145.1/9

- 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+/-3.814  $\chi^2/\text{NDF}$ : 74.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -41.800+/-2.803  $\chi^2/\text{NDF}$ : 542.5/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

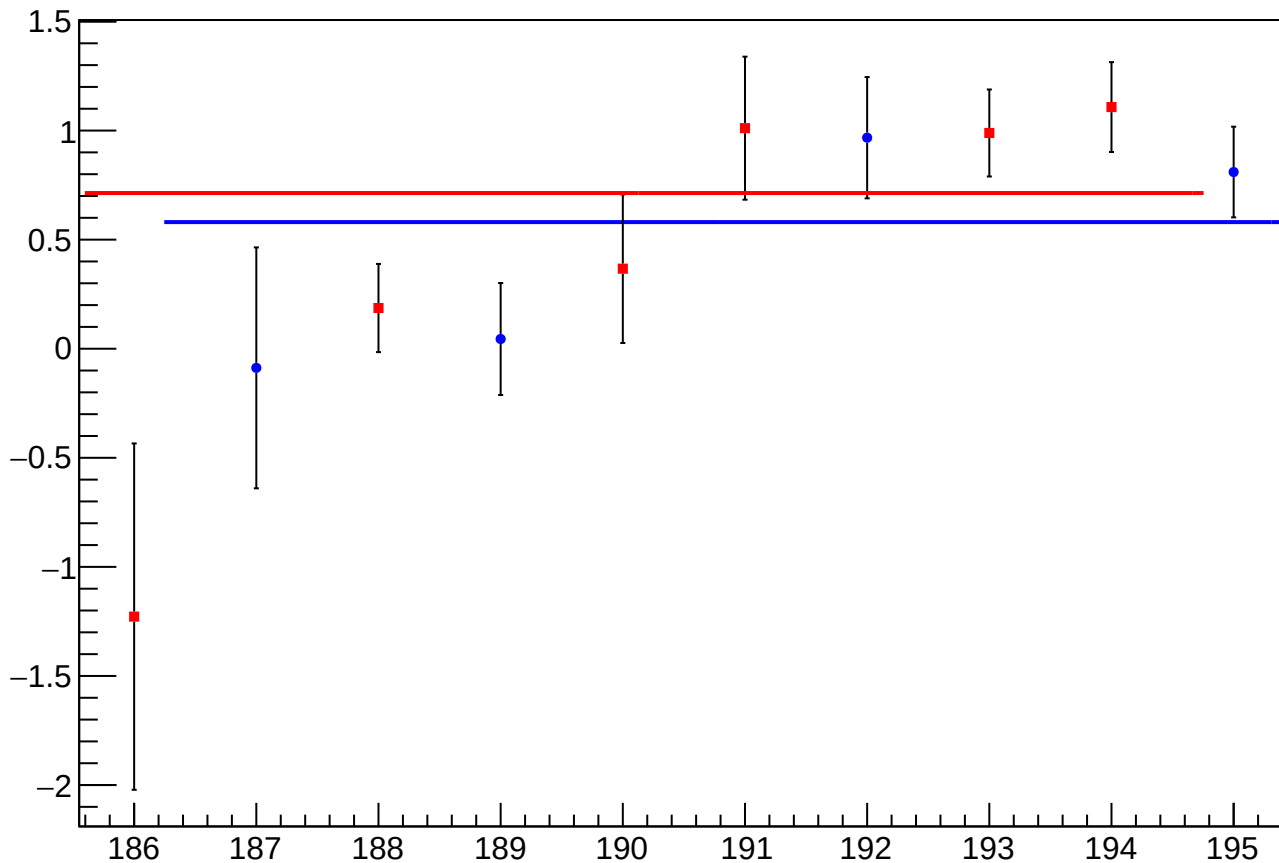
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -38.822+/-2.259  $\chi^2/\text{NDF}$ : 620.0/9

- sign 0.000+/-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: 0.714 $\pm$ 0.104  $\chi^2$ /NDF: 20.2/5

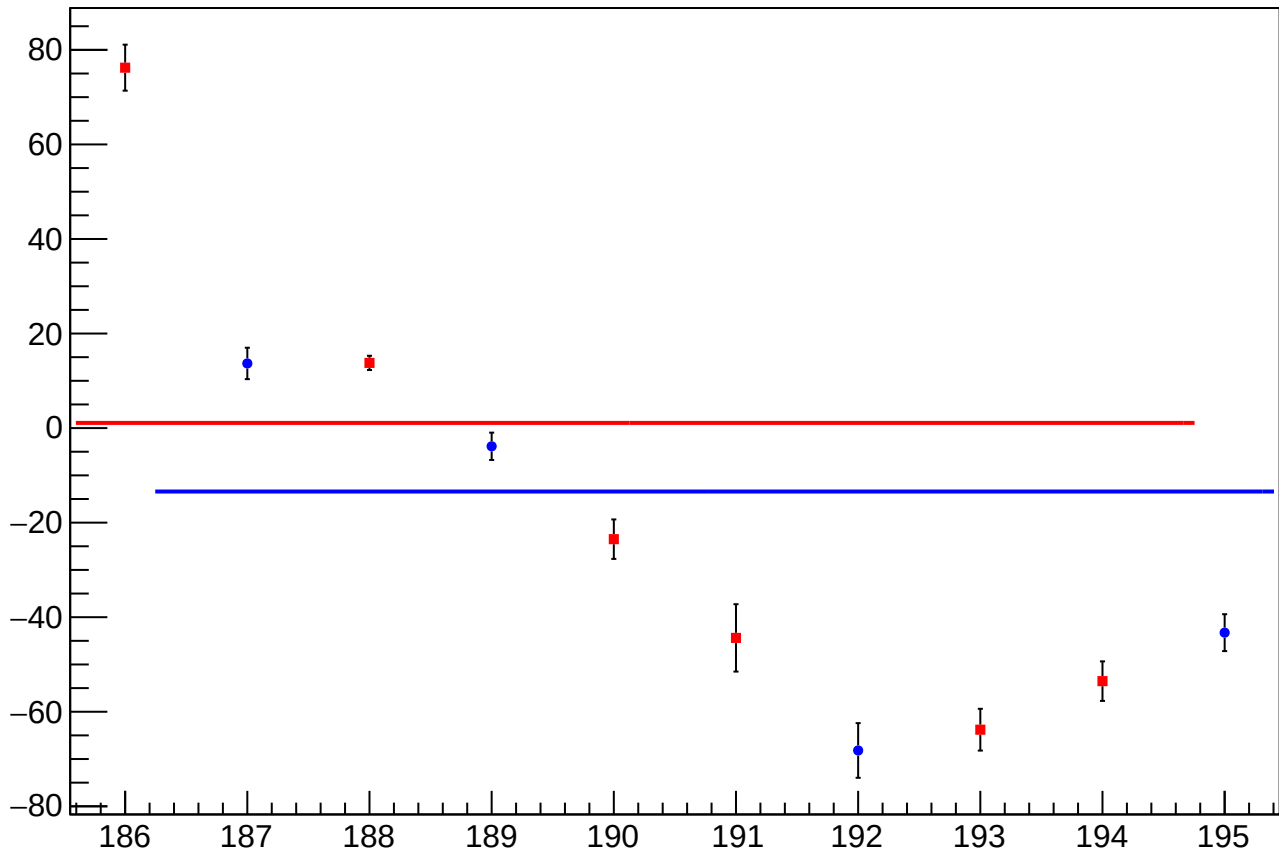
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.664 $\pm$ 0.082  $\chi^2$ /NDF: 29.8/9

- 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 $\pm$ 1.808  $\chi^2$ /NDF: 225.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 1.098 $\pm$ 1.224  $\chi^2$ /NDF: 771.0/5

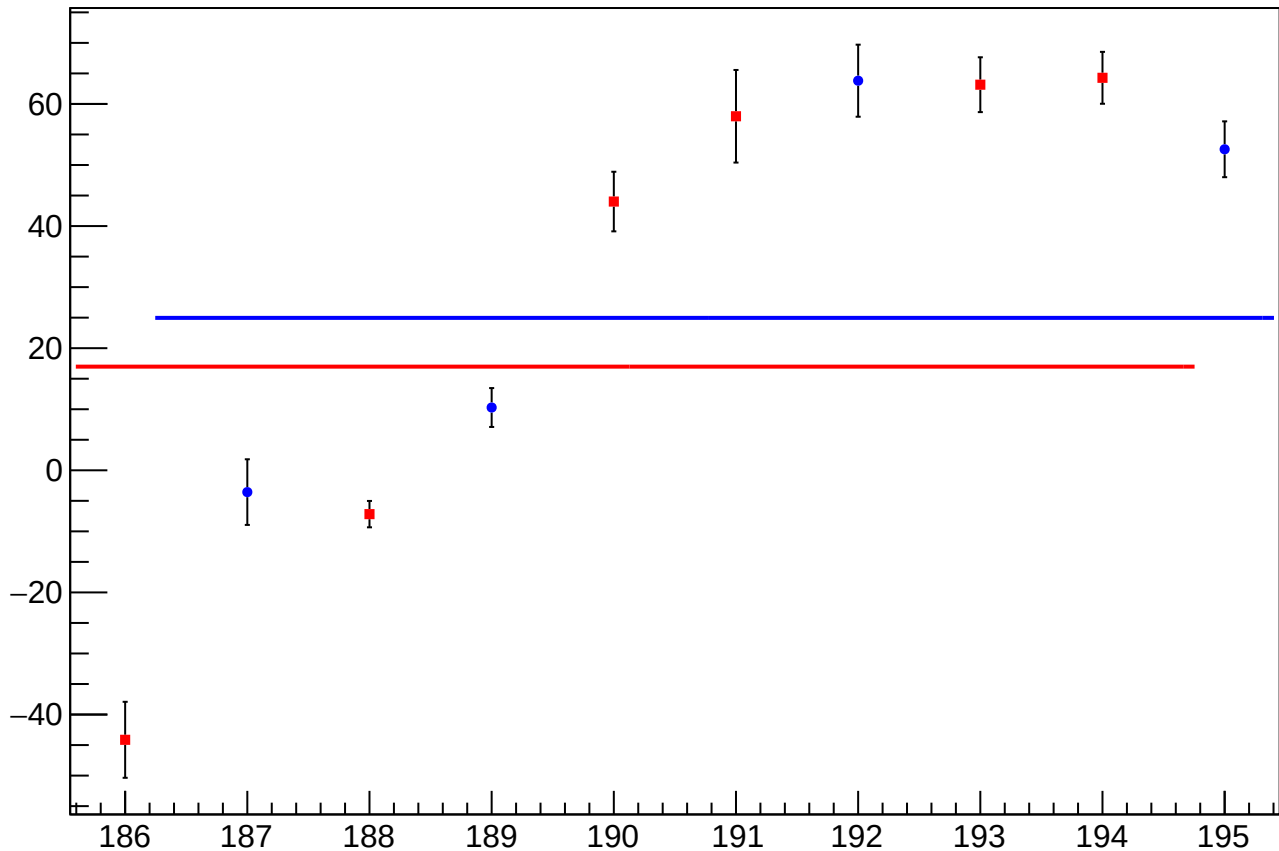
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -3.463 $\pm$ 1.013  $\chi^2$ /NDF: 1040.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 24.964 $\pm$ 2.183  $\chi^2$ /NDF: 129.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 16.978 $\pm$ 1.572  $\chi^2$ /NDF: 511.0/5

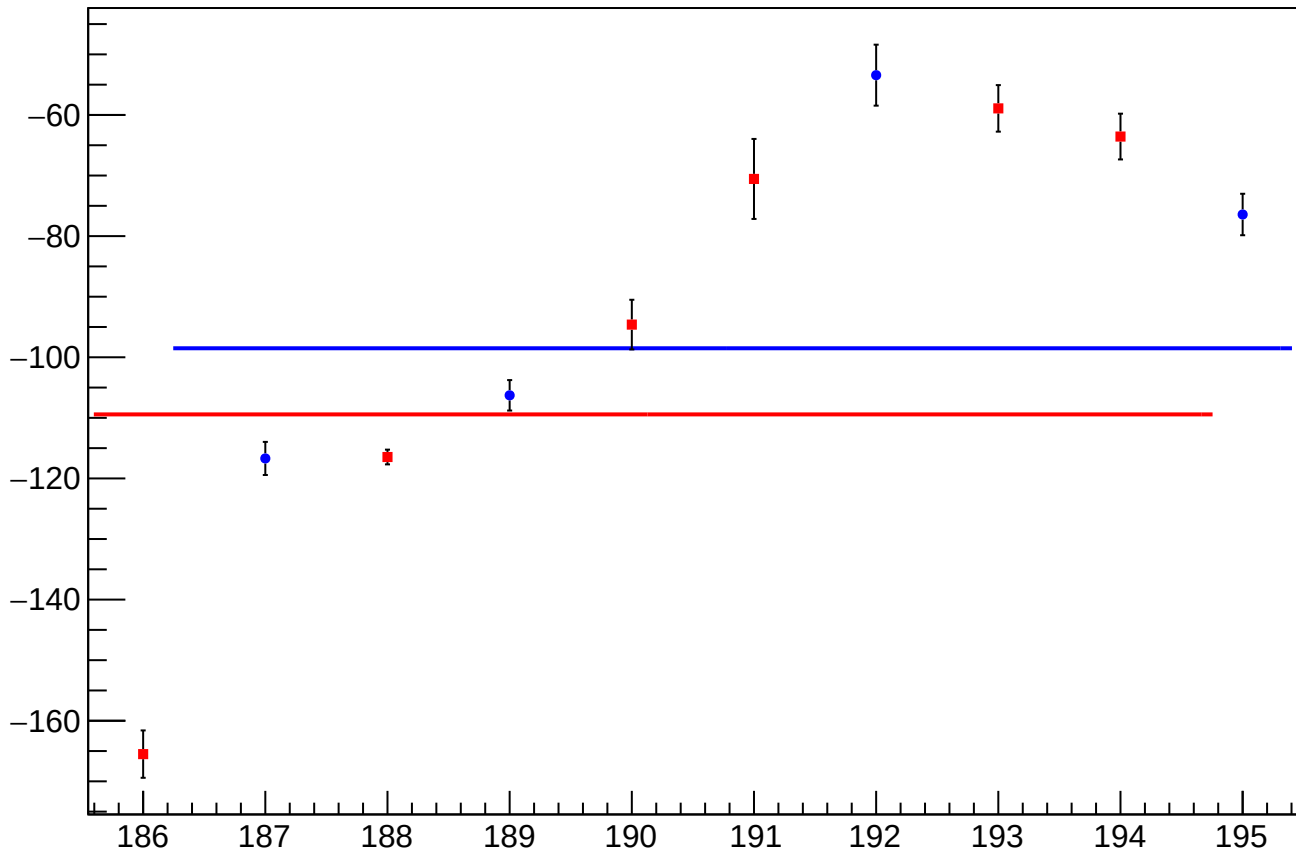
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 19.706 $\pm$ 1.276  $\chi^2$ /NDF: 649.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -98.513 $\pm$ 1.548  $\chi^2$ /NDF: 175.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -109.429 $\pm$ 1.021  $\chi^2$ /NDF: 607.2/5

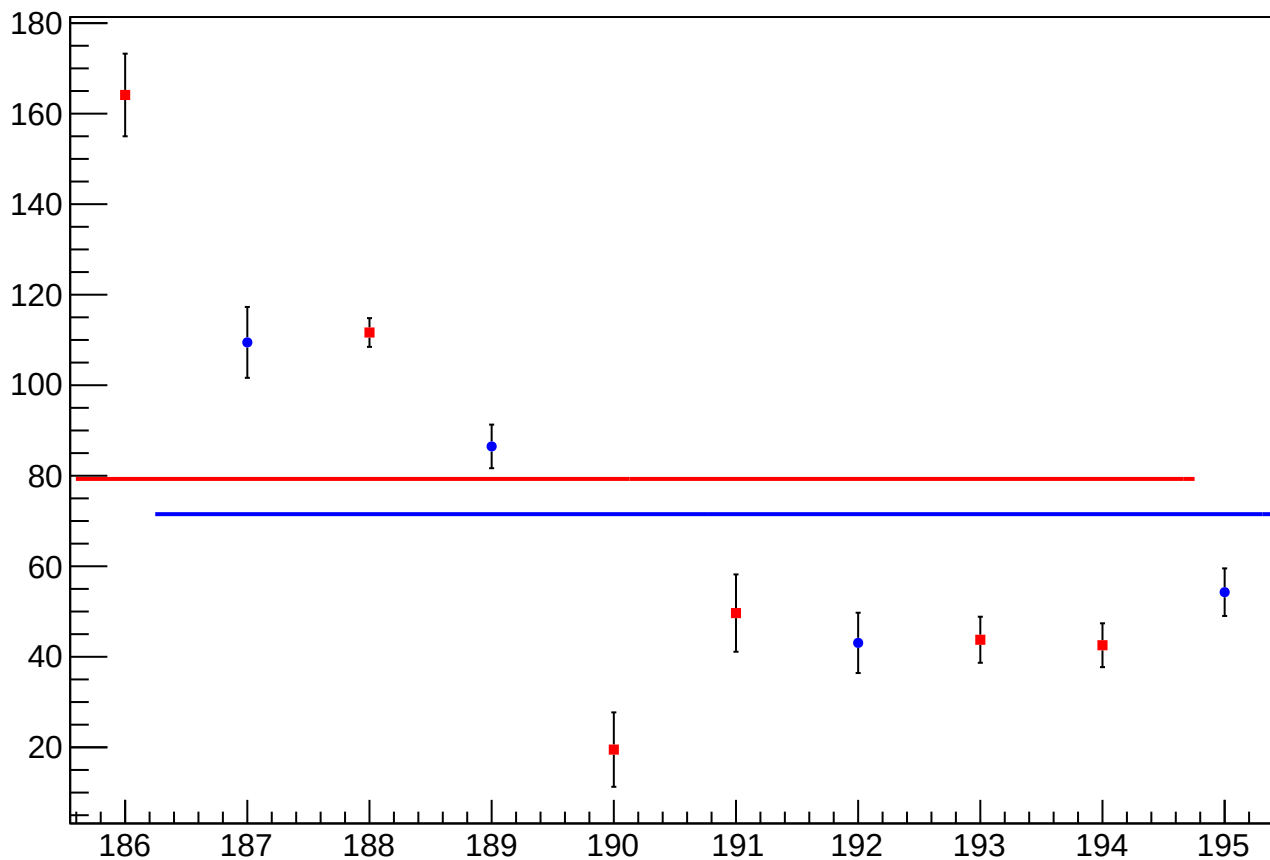
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -106.123 $\pm$ 0.852  $\chi^2$ /NDF: 817.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 71.513 $\pm$ 2.909  $\chi^2$ /NDF: 62.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 79.298 $\pm$ 2.127  $\chi^2$ /NDF: 361.6/5

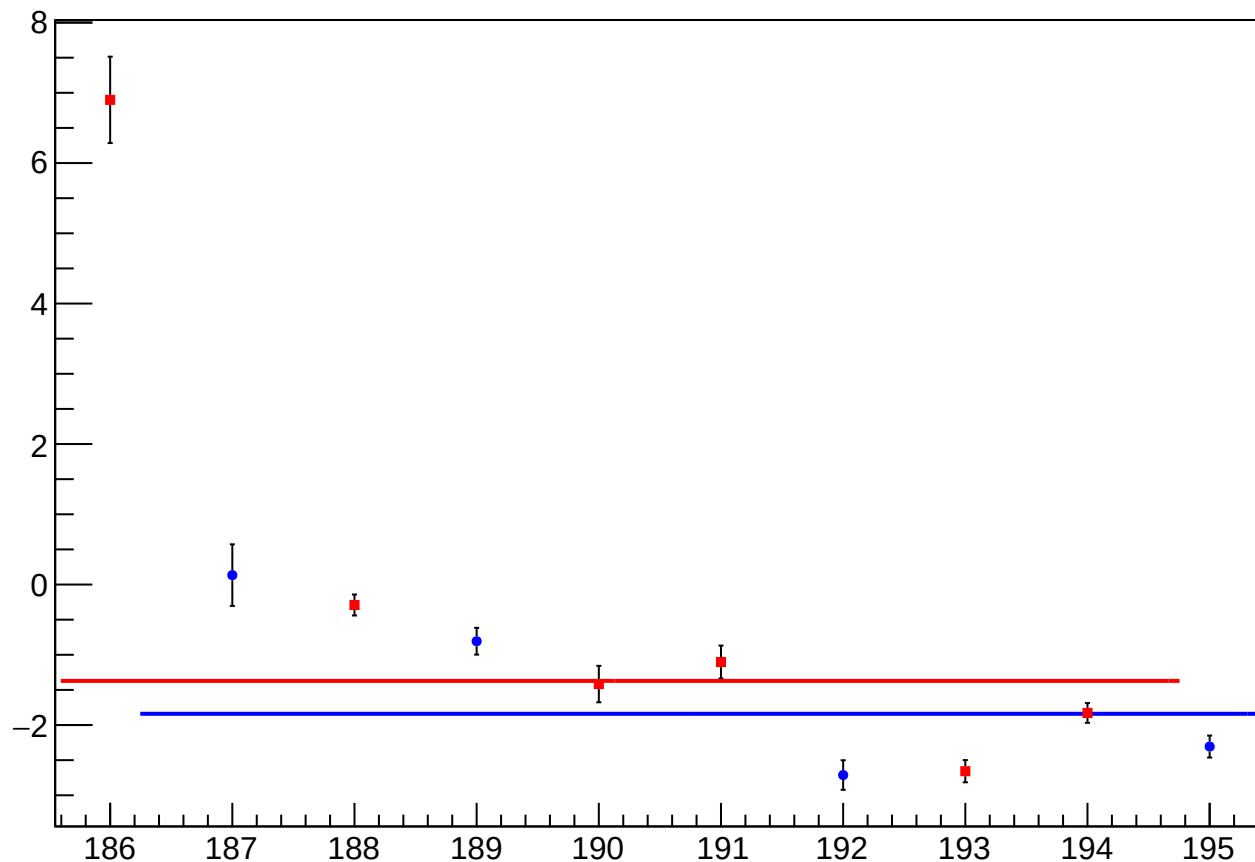
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 76.587 $\pm$ 1.717  $\chi^2$ /NDF: 428.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $-1.372 \pm 0.076$   $\chi^2/\text{NDF}: 311.3/5$

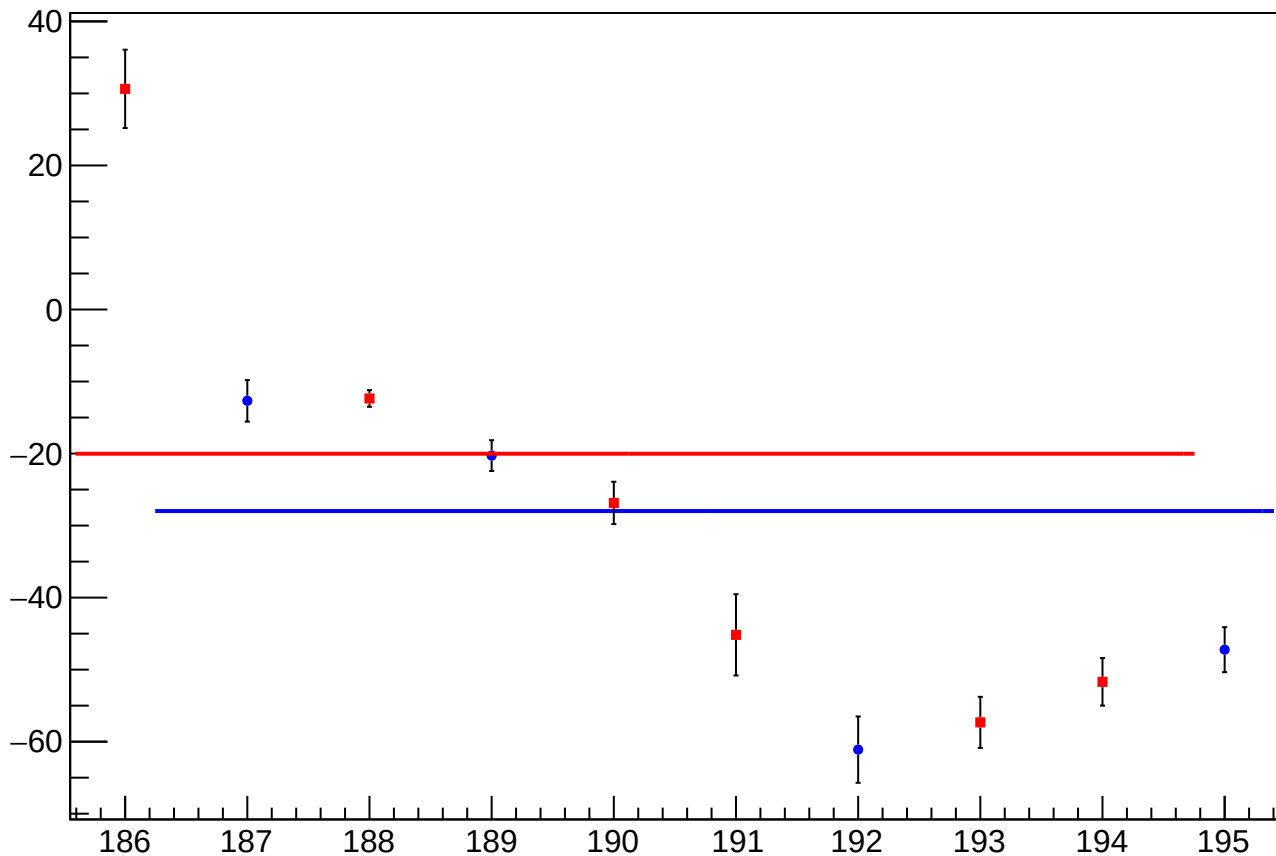
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.540 \pm 0.061$   $\chi^2/\text{NDF}: 400.6/9$

- 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+/-1.429  $\chi^2/\text{NDF}$ : 130.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -20.022+/-0.953  $\chi^2/\text{NDF}$ : 359.0/5

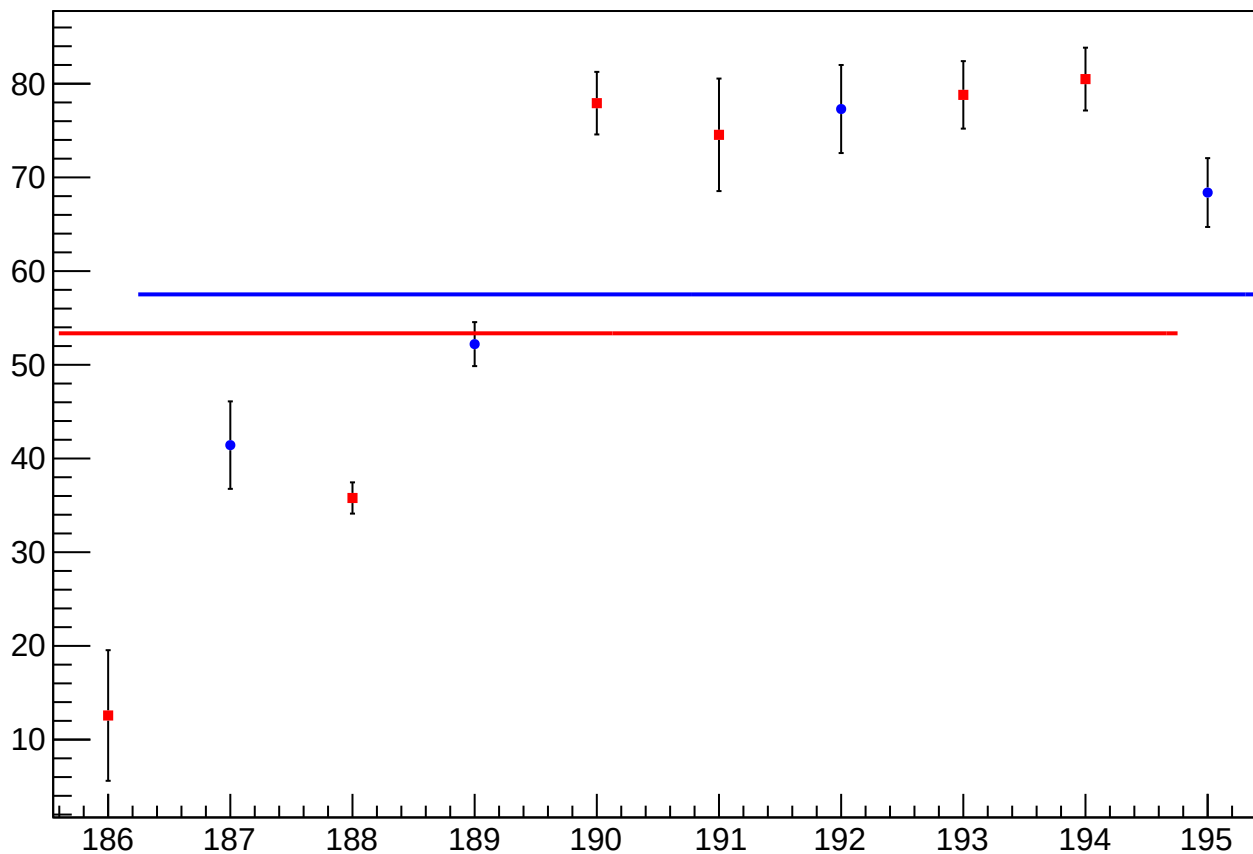
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -22.470+/-0.793  $\chi^2/\text{NDF}$ : 511.3/9

- sign 0.000+/-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: 53.361 $\pm$ 1.227  $\chi^2$ /NDF: 327.4/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

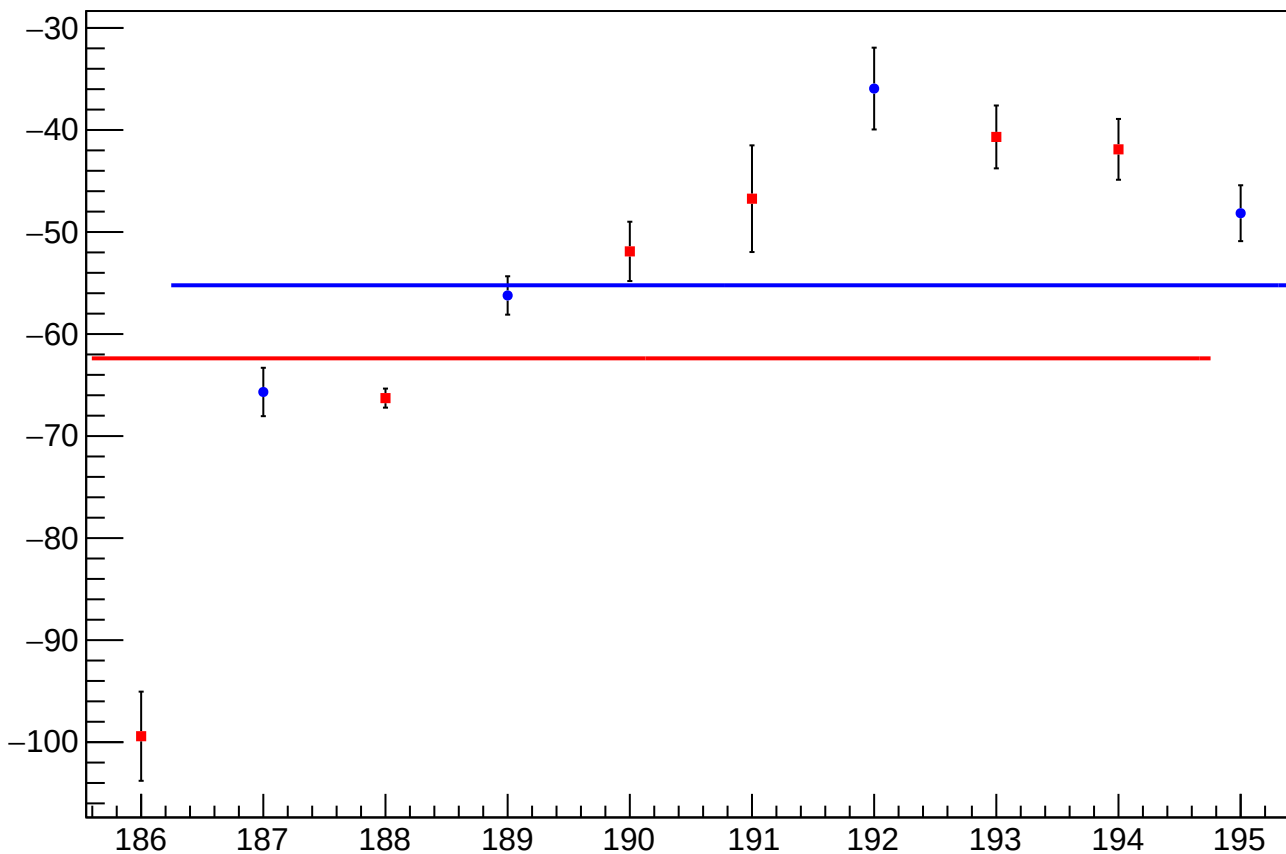
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 54.786 $\pm$ 0.995  $\chi^2$ /NDF: 374.8/9

- 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: -62.383+/-0.798  $\chi^2/\text{NDF}$ : 208.1/5

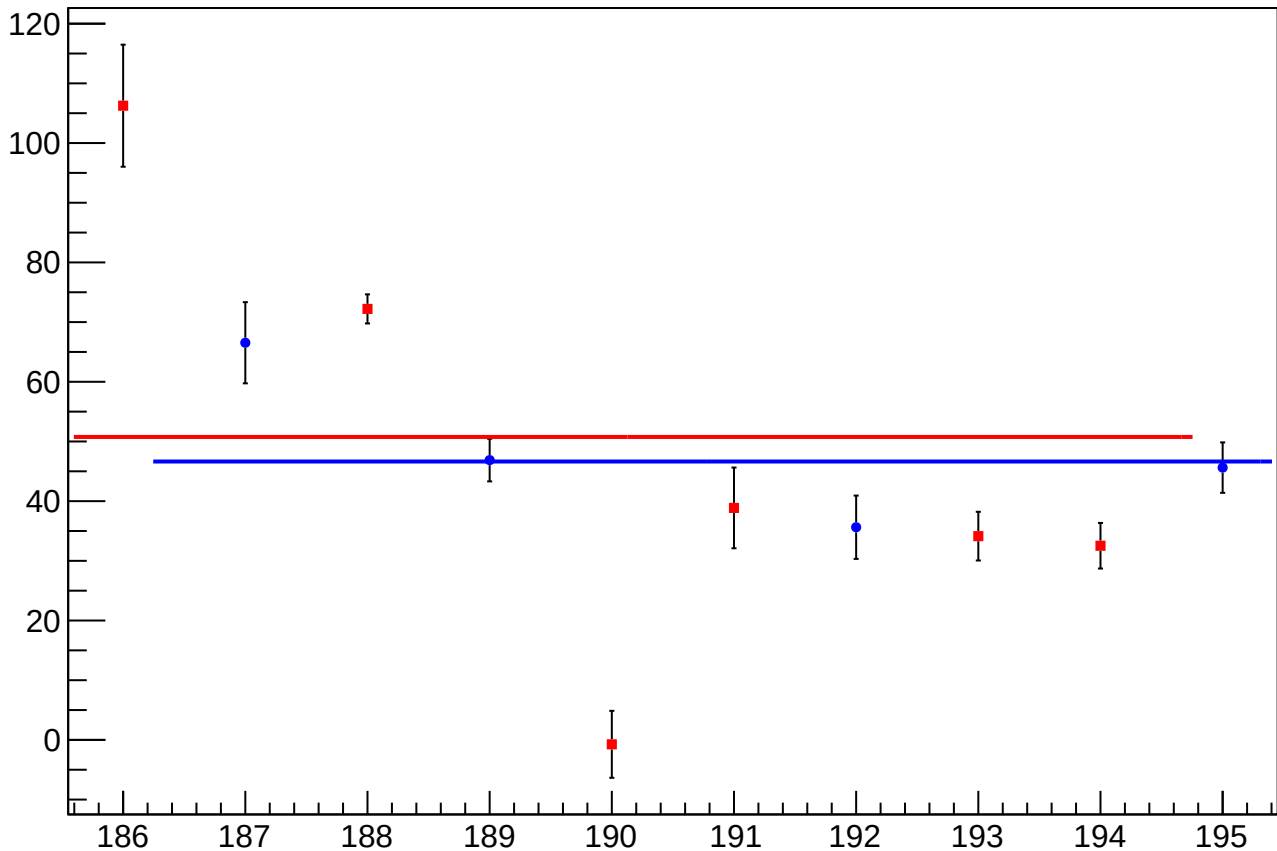
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -60.274+/-0.670  $\chi^2/\text{NDF}$ : 281.3/9

- 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  $\chi^2/\text{NDF}$ : 12.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 50.757+/-1.666  $\chi^2/\text{NDF}$ : 233.7/5

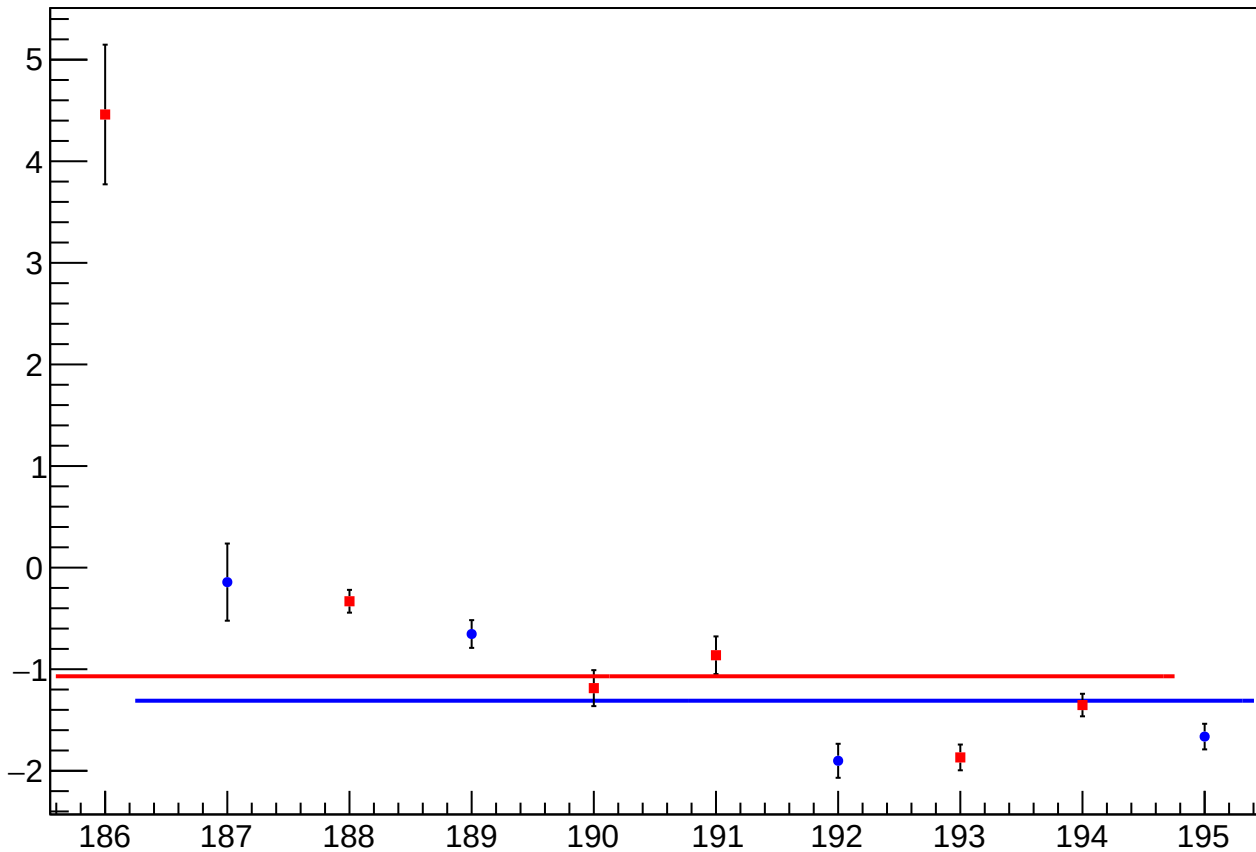
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 49.328+/-1.346  $\chi^2/\text{NDF}$ : 248.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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:  $-1.070 \pm 0.059$   $\chi^2/\text{NDF}$ : 156.0/5

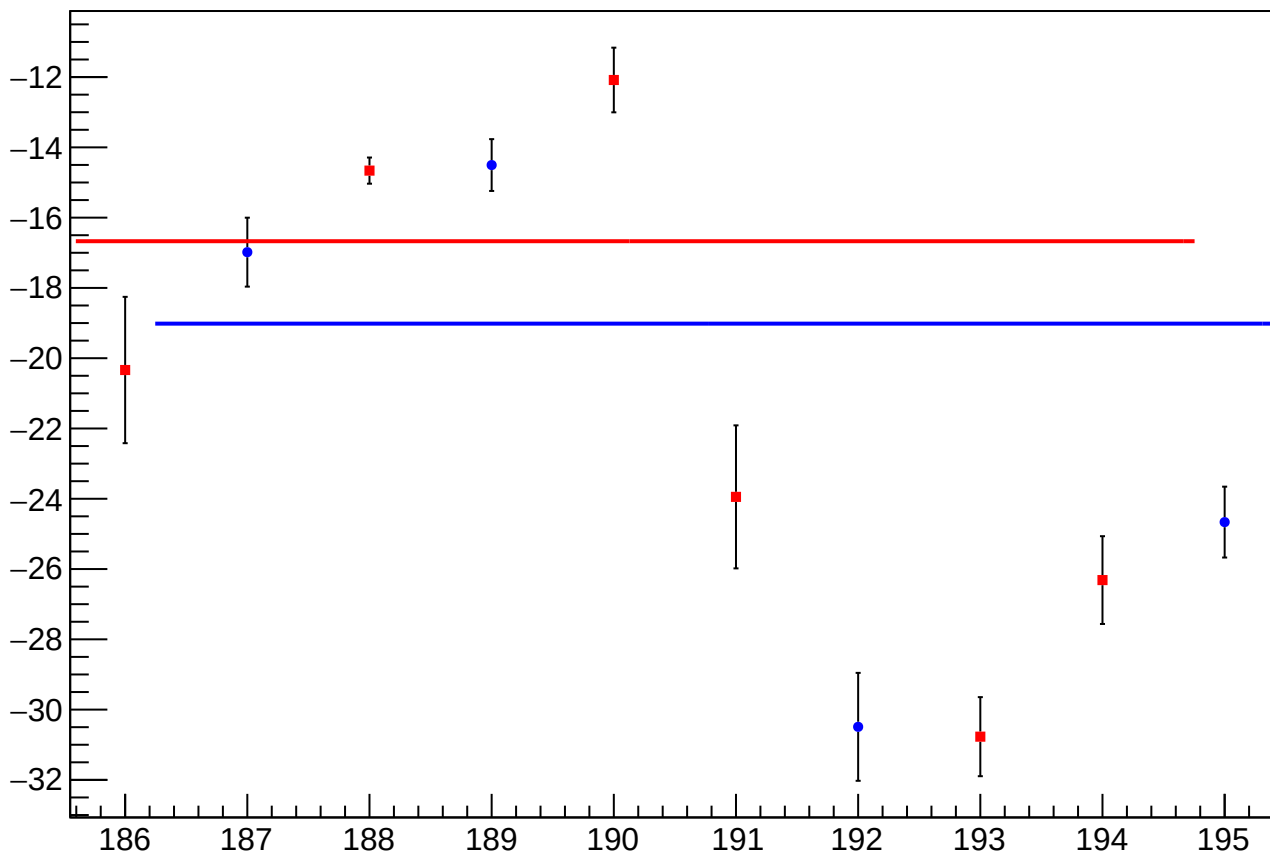
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.156 \pm 0.047$   $\chi^2/\text{NDF}$ : 214.8/9

- 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  $\chi^2$ /NDF: 129.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -16.671 $\pm$ 0.312  $\chi^2$ /NDF: 286.5/5

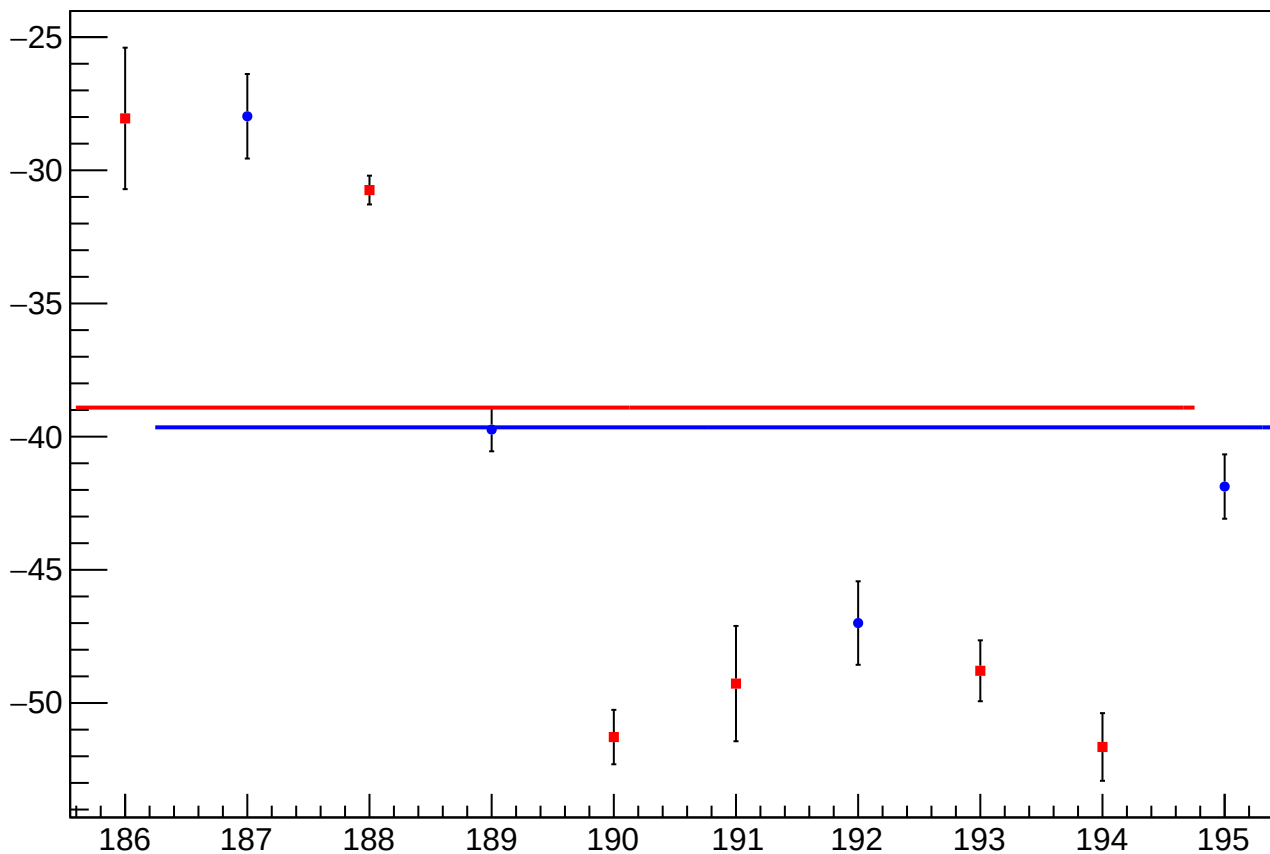
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -17.360 $\pm$ 0.262  $\chi^2$ /NDF: 432.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $-38.909 \pm 0.404$   $\chi^2/\text{NDF}$ : 590.1/5

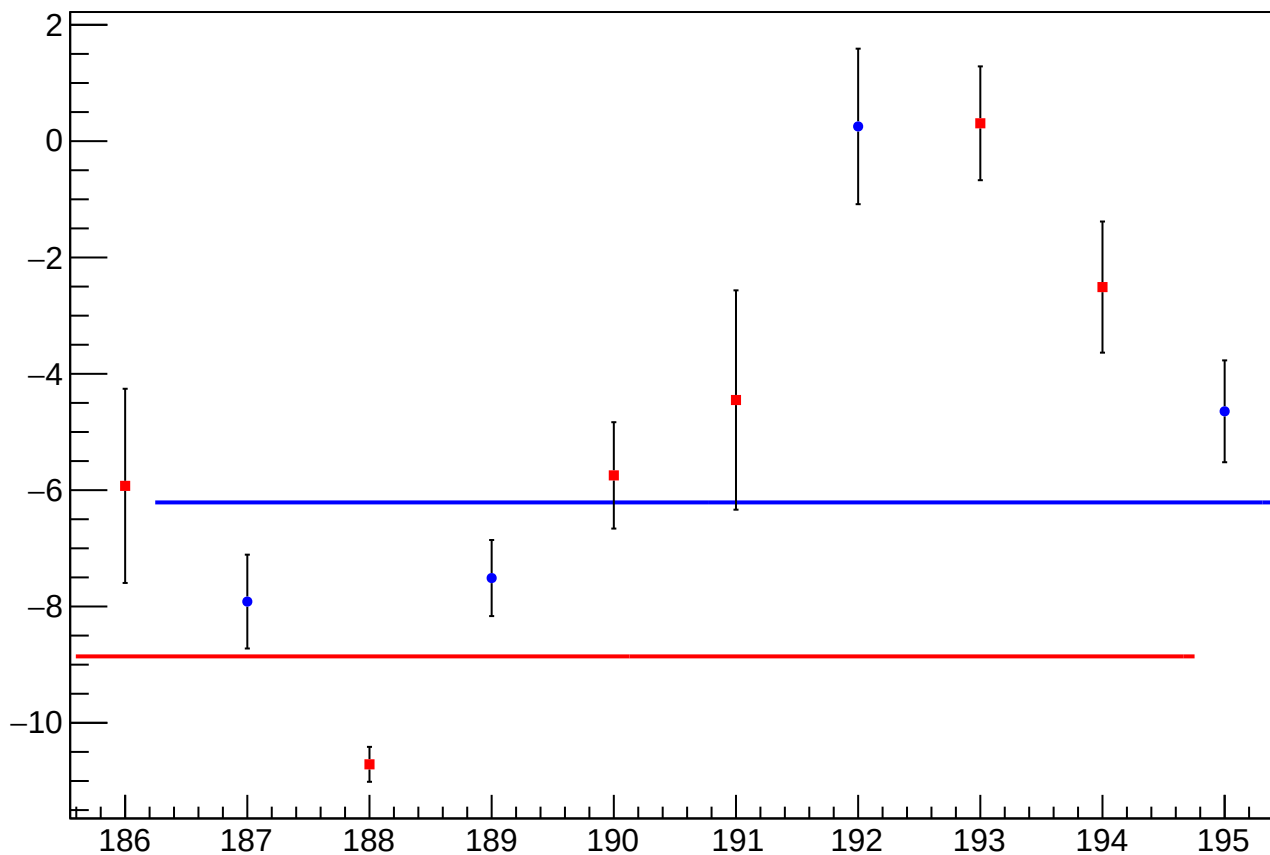
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-39.153 \pm 0.331$   $\chi^2/\text{NDF}$ : 670.8/9

- 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: -8.858 $\pm$ 0.260  $\chi^2$ /NDF: 177.8/5

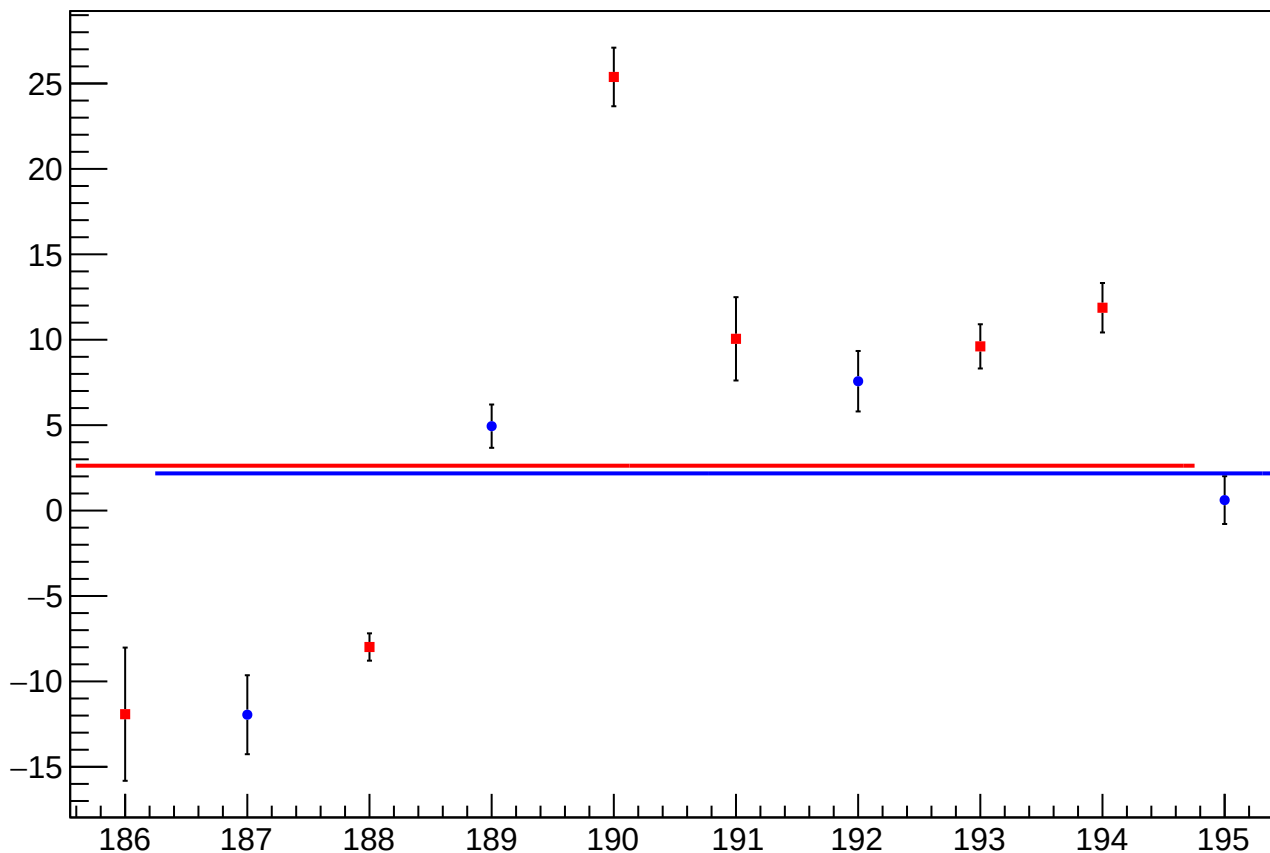
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -8.117 $\pm$ 0.221  $\chi^2$ /NDF: 241.7/9

- 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: 2.627 $\pm$ 0.558  $\chi^2$ /NDF: 445.4/5

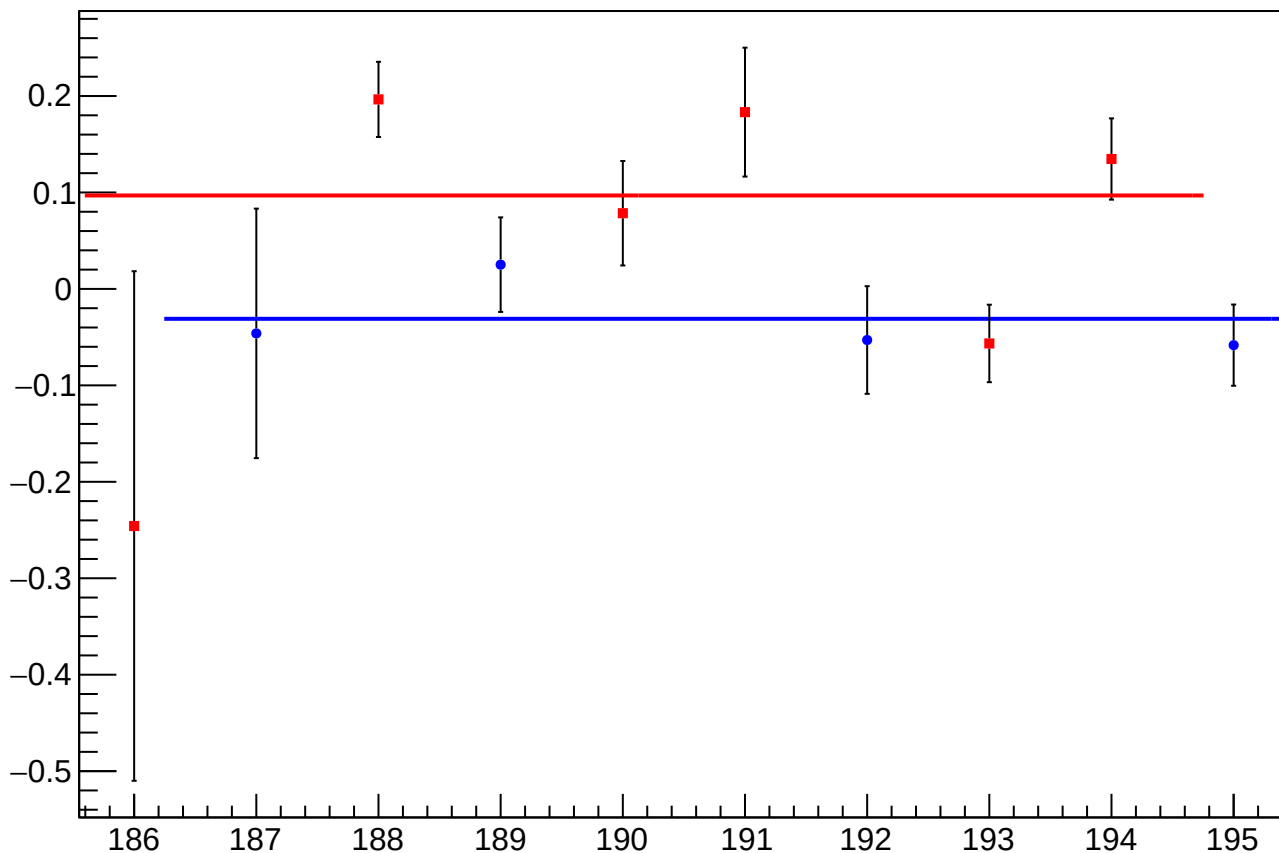
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.474 $\pm$ 0.454  $\chi^2$ /NDF: 498.3/9

- 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  $\chi^2$ /NDF: 1.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.097 $\pm$ 0.020  $\chi^2$ /NDF: 25.4/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

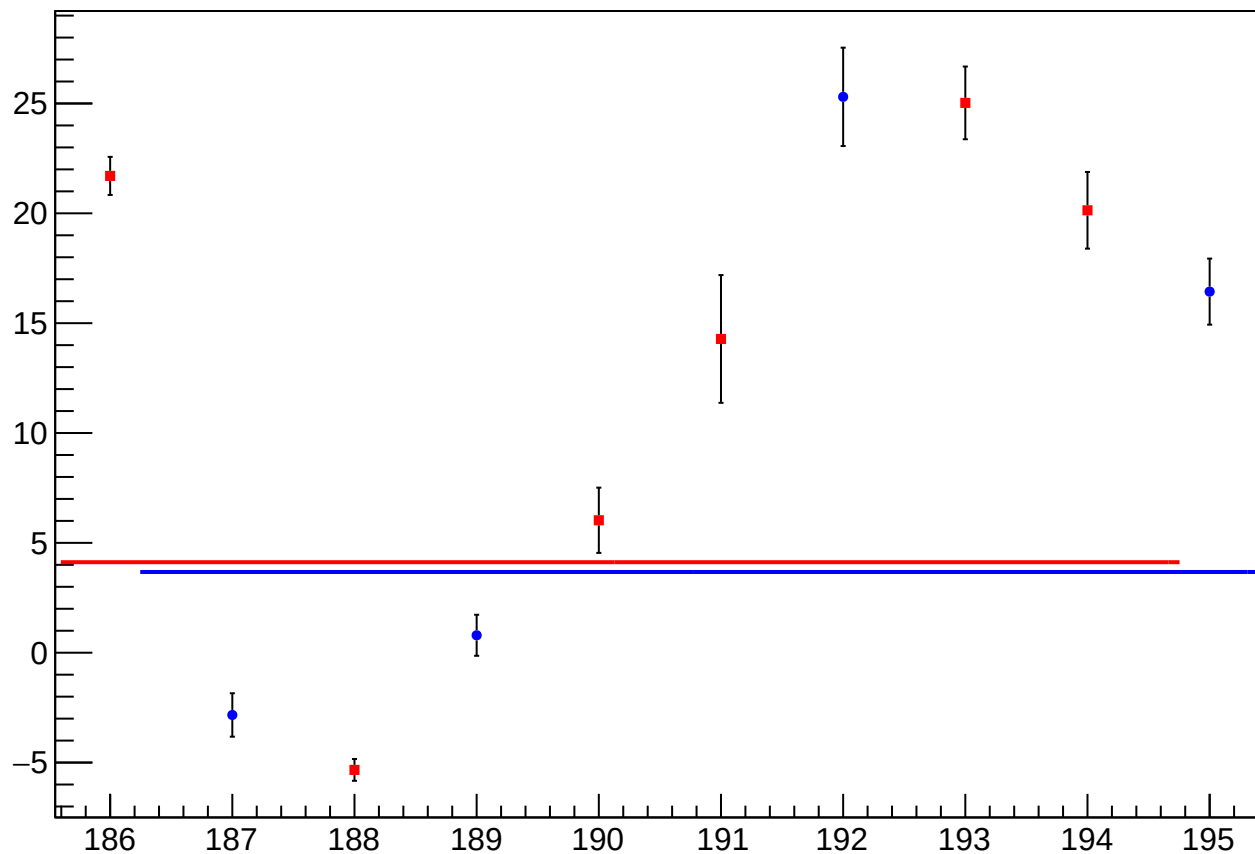
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.051 $\pm$ 0.016  $\chi^2$ /NDF: 41.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_15\_37\_dd\_diff\_bpm1X\_slope vs Slug



Right In: 3.675+/-0.596  $\chi^2/\text{NDF}$ : 218.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.120+/-0.388  $\chi^2/\text{NDF}$ : 1032.3/5

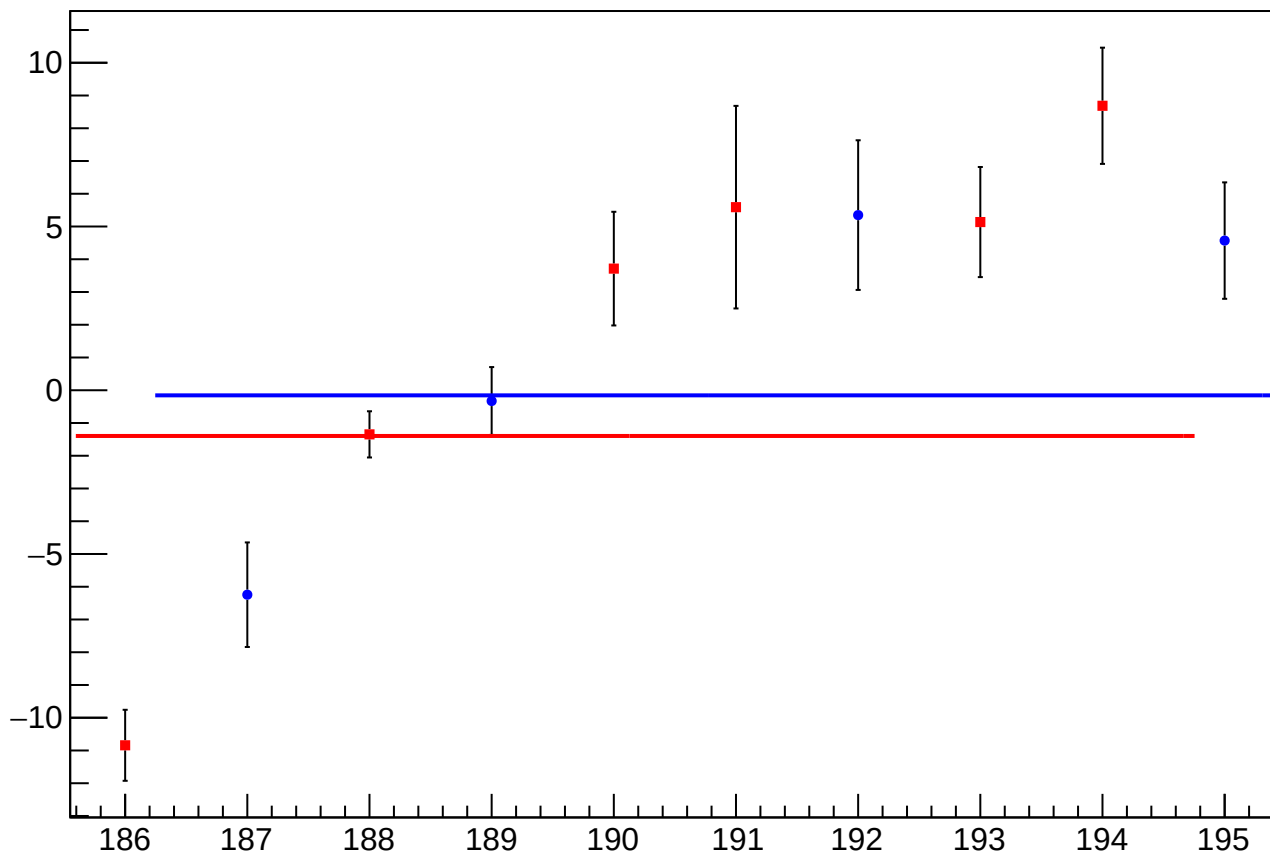
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.988+/-0.325  $\chi^2/\text{NDF}$ : 1251.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: -1.396 $\pm$ 0.502  $\chi^2$ /NDF: 137.1/5

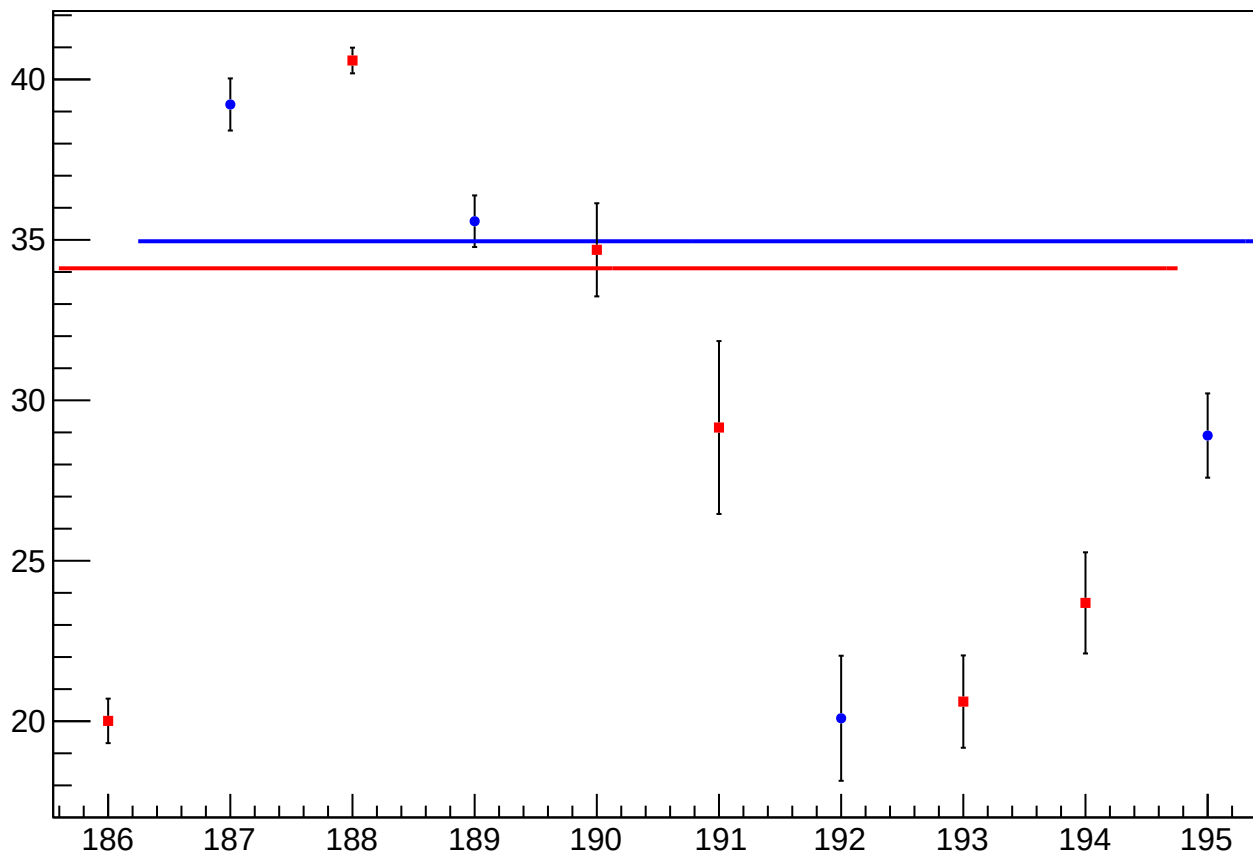
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1.004 $\pm$ 0.415  $\chi^2$ /NDF: 166.4/9

- 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: 34.115 $\pm$ 0.319  $\chi^2$ /NDF: 811.0/5

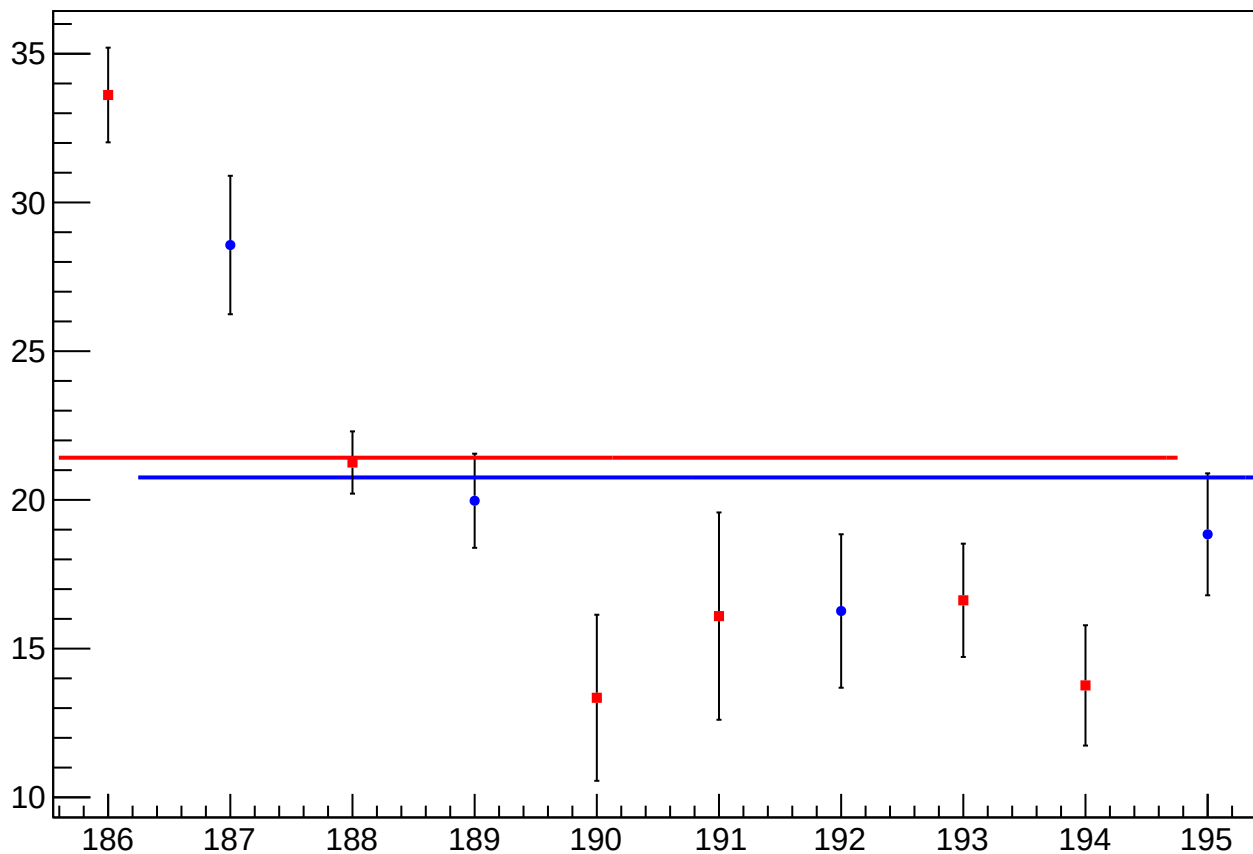
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 34.354 $\pm$ 0.270  $\chi^2$ /NDF: 920.6/9

- 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: 21.419+/-0.700  $\chi^2/\text{NDF}$ : 90.1/5

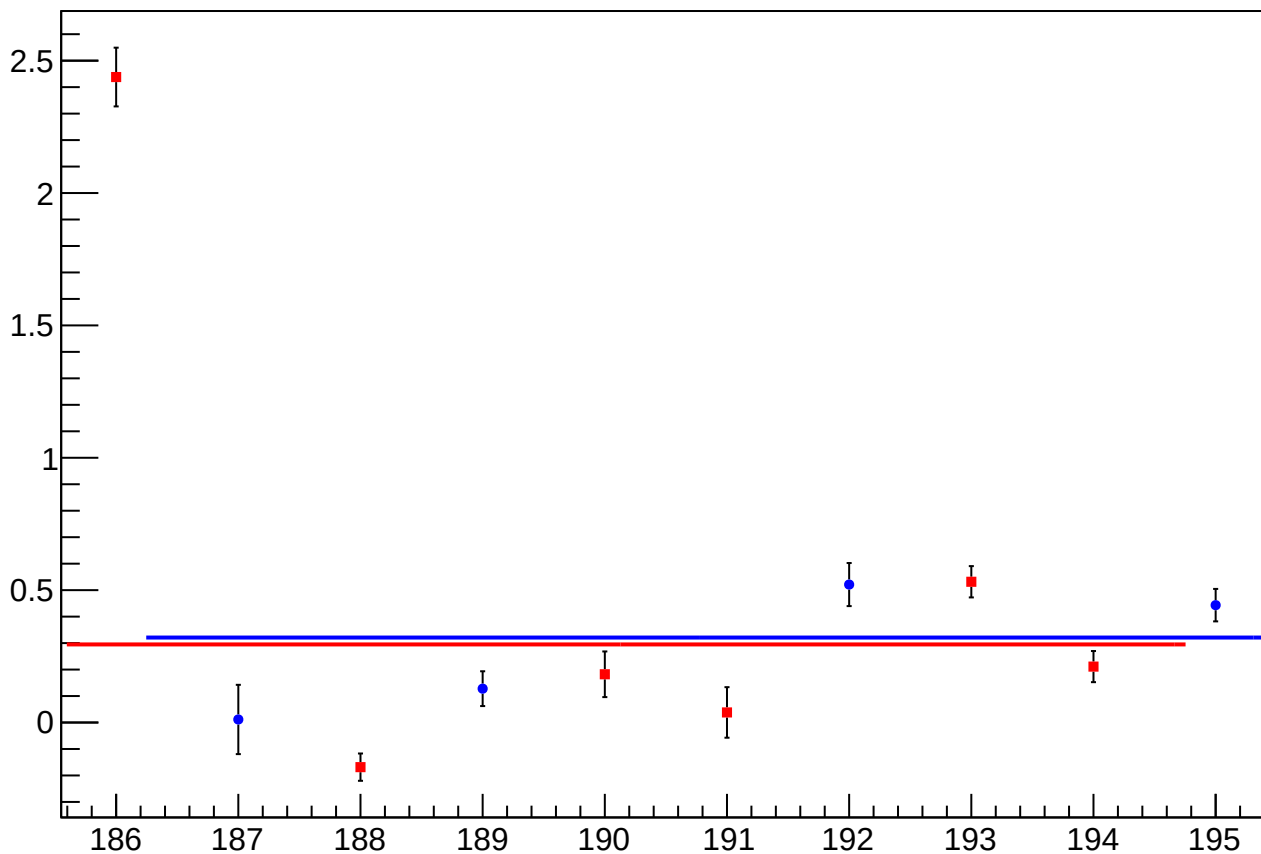
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 21.204+/-0.576  $\chi^2/\text{NDF}$ : 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+/-0.038  $\chi^2/\text{NDF}$ : 24.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.295+/-0.028  $\chi^2/\text{NDF}$ : 480.9/5

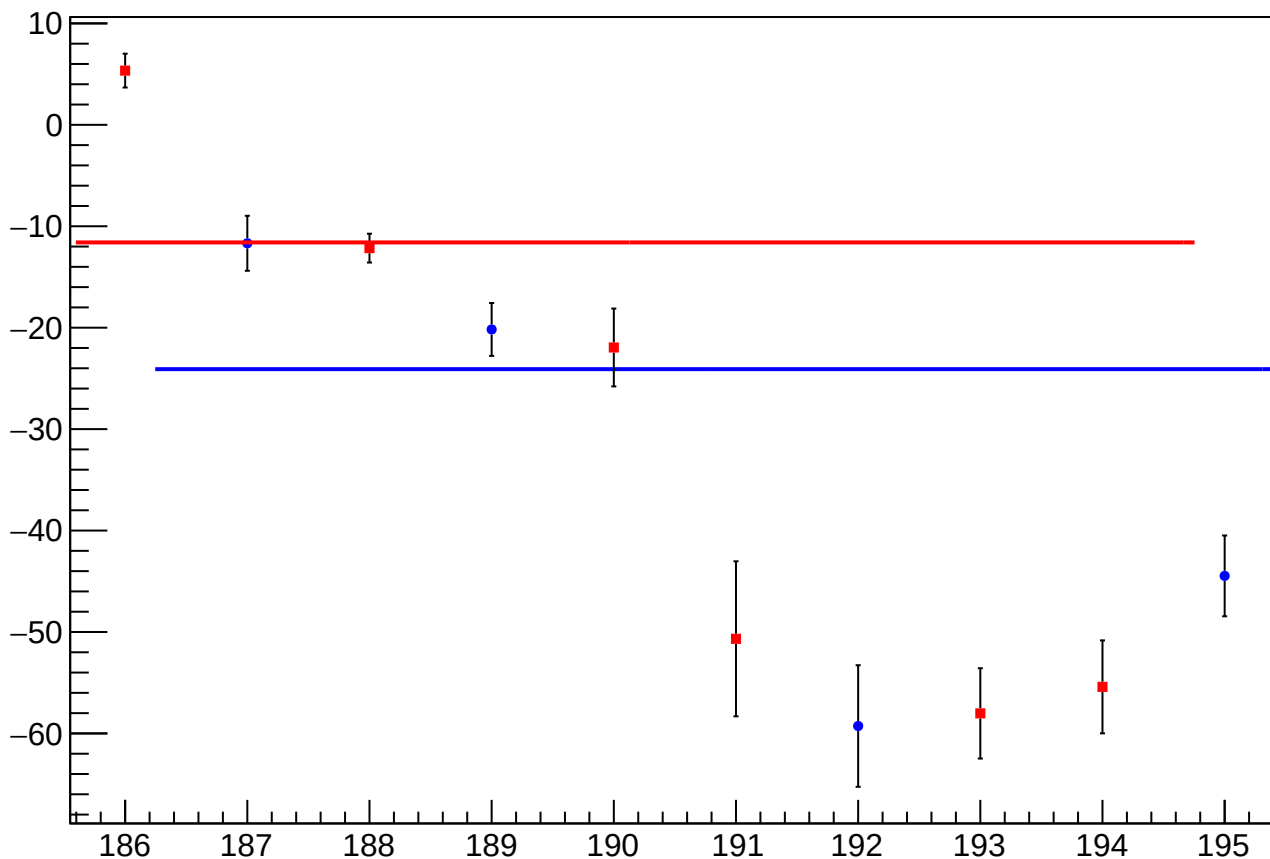
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.304+/-0.022  $\chi^2/\text{NDF}$ : 505.5/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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:  $-11.593 \pm 0.982$   $\chi^2/\text{NDF}: 336.8/5$

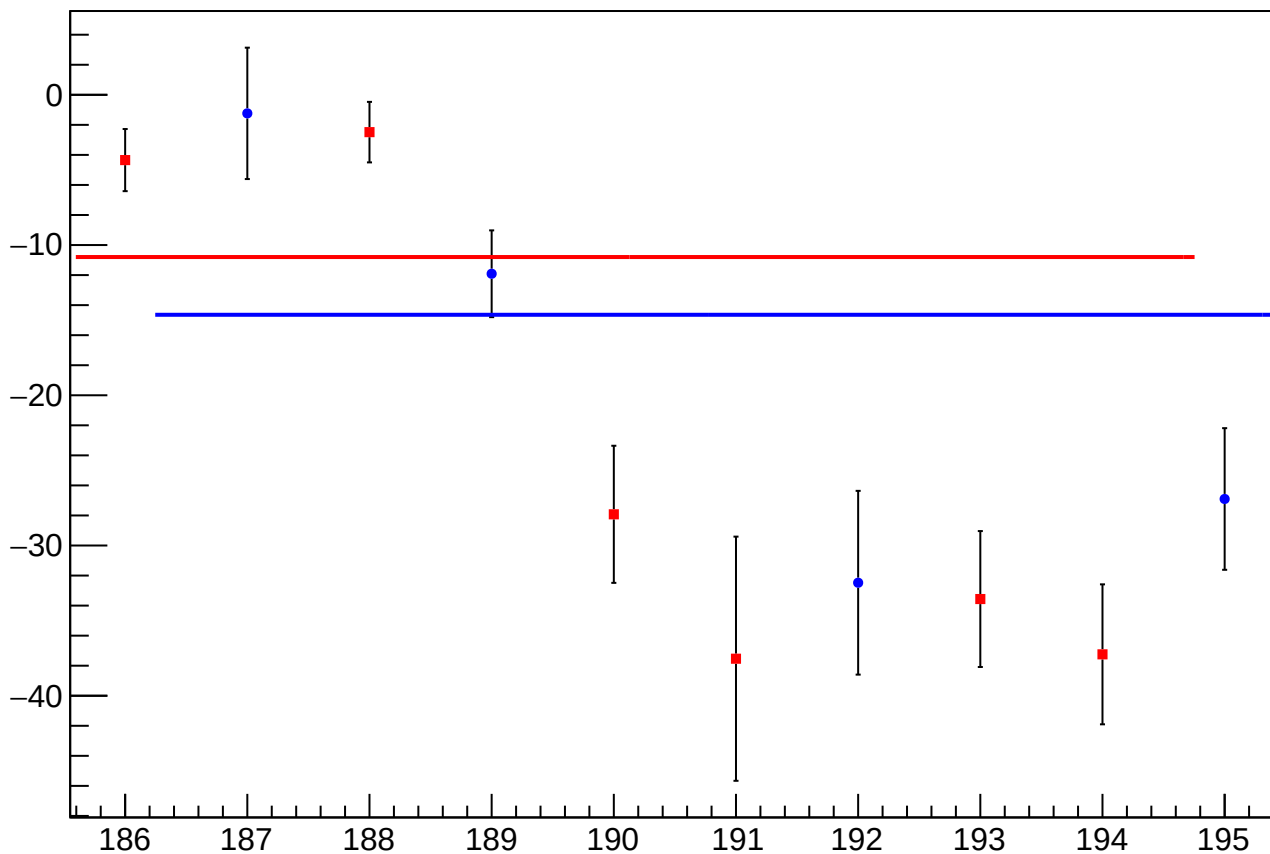
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-14.905 \pm 0.842$   $\chi^2/\text{NDF}: 463.6/9$

- 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: -10.798 $\pm$ 1.252  $\chi^2$ /NDF: 109.2/5

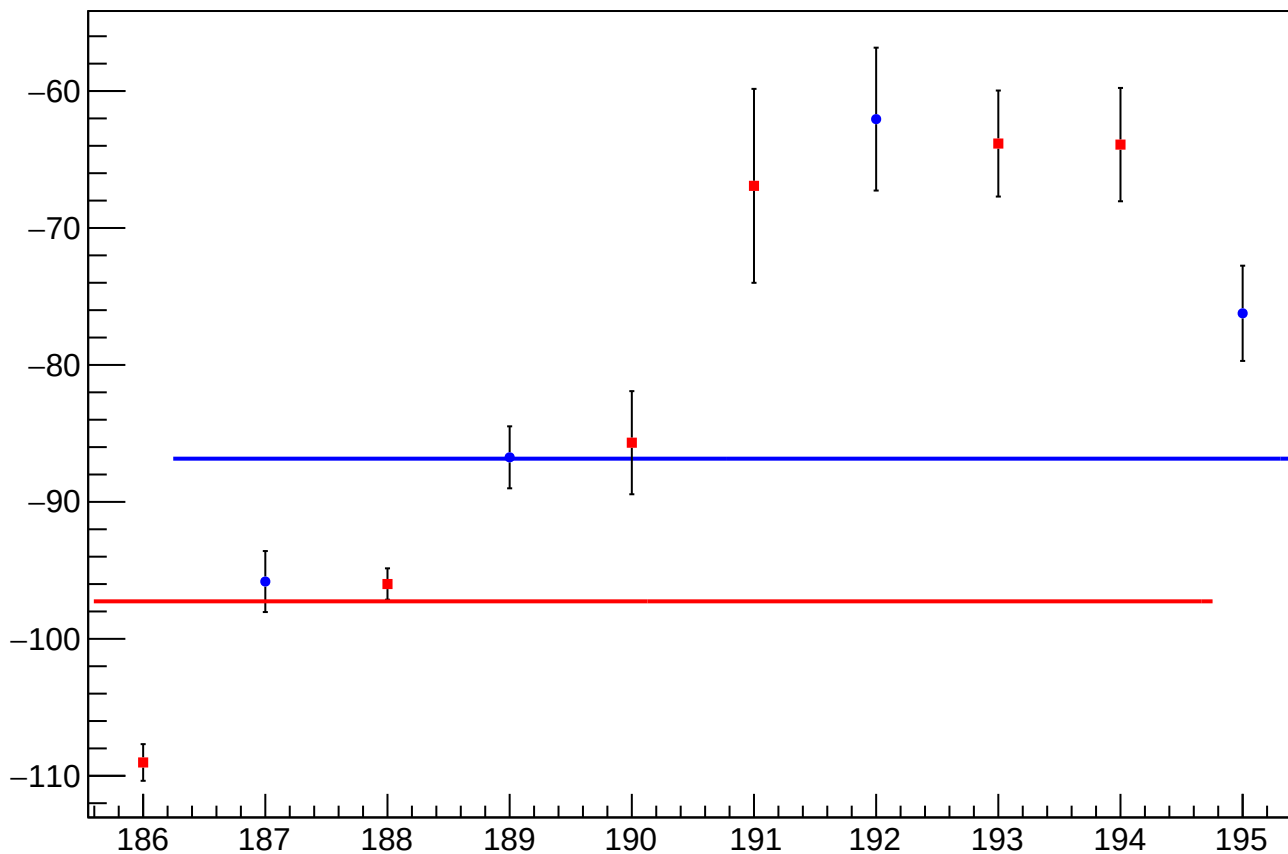
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -11.861 $\pm$ 1.065  $\chi^2$ /NDF: 137.4/9

- 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+/-1.392  $\chi^2/\text{NDF}$ : 48.1/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -97.261+/-0.807  $\chi^2/\text{NDF}$ : 245.8/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

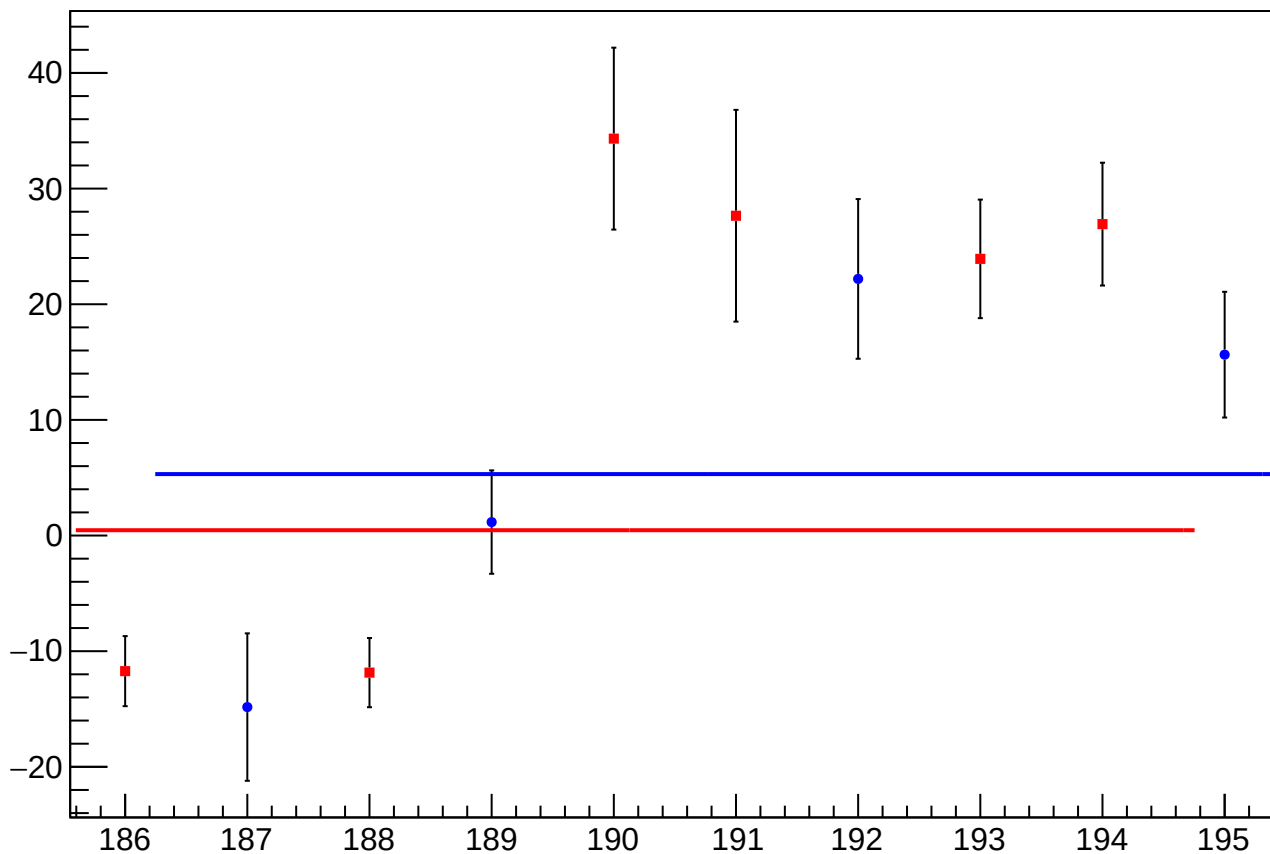
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -94.641+/-0.698  $\chi^2/\text{NDF}$ : 335.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 0.459+/-1.761  $\chi^2/\text{NDF}$ : 106.3/5

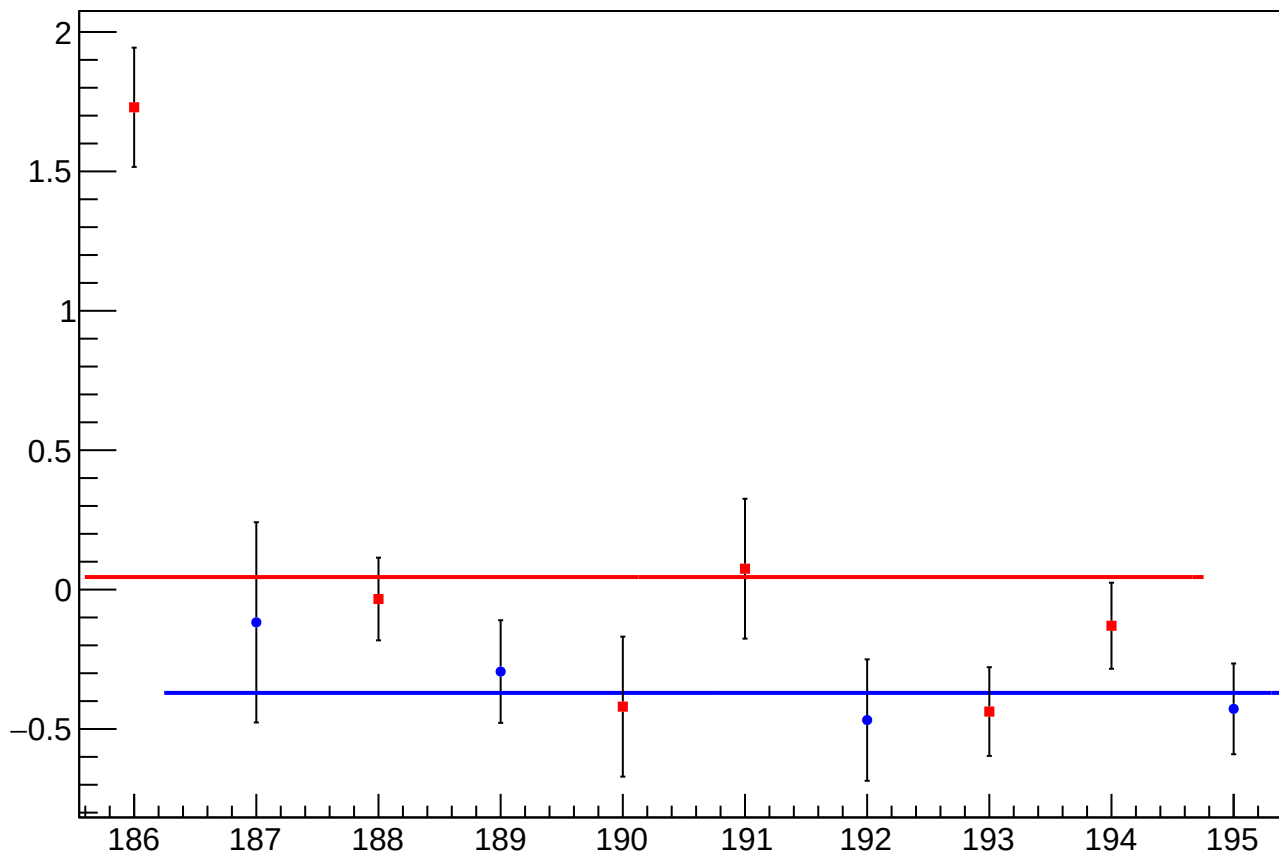
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.850+/-1.488  $\chi^2/\text{NDF}$ : 128.9/9

- 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:  $0.045 \pm 0.074$   $\chi^2/\text{NDF}$ : 76.3/5

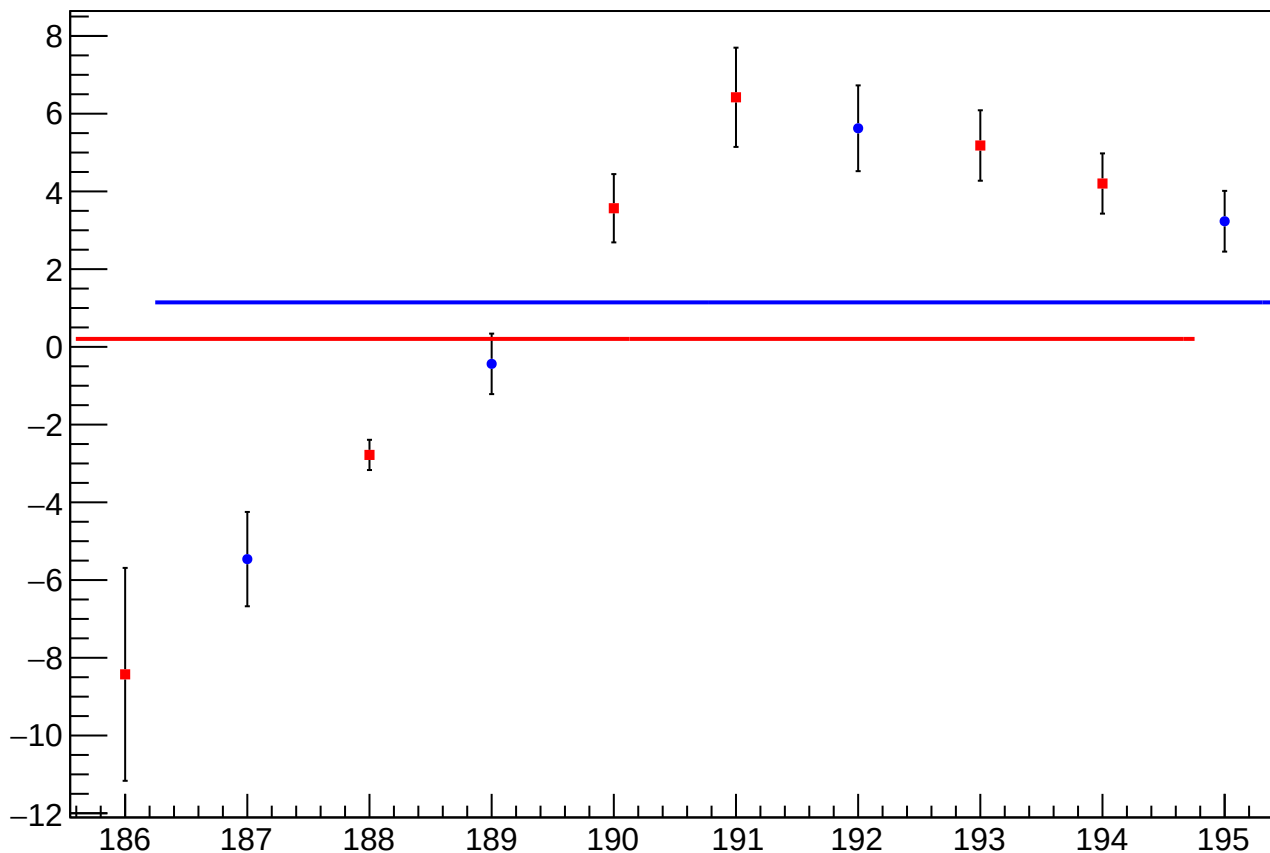
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.099 \pm 0.060$   $\chi^2/\text{NDF}$ : 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: 0.205 $\pm$ 0.294  $\chi^2$ /NDF: 164.0/5

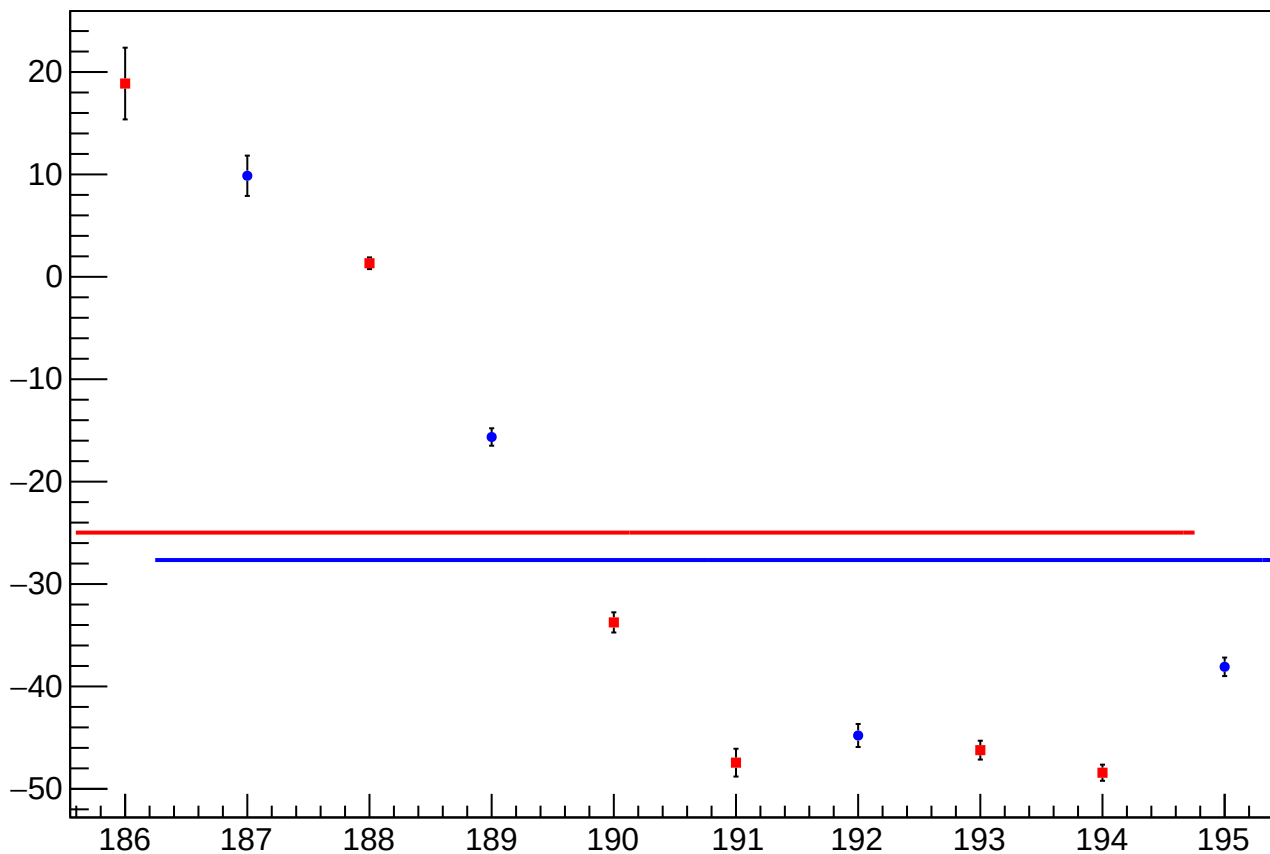
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.481 $\pm$ 0.247  $\chi^2$ /NDF: 224.3/9

- 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:  $-24.976 \pm 0.365$   $\chi^2/\text{NDF}$ : 4041.8/5

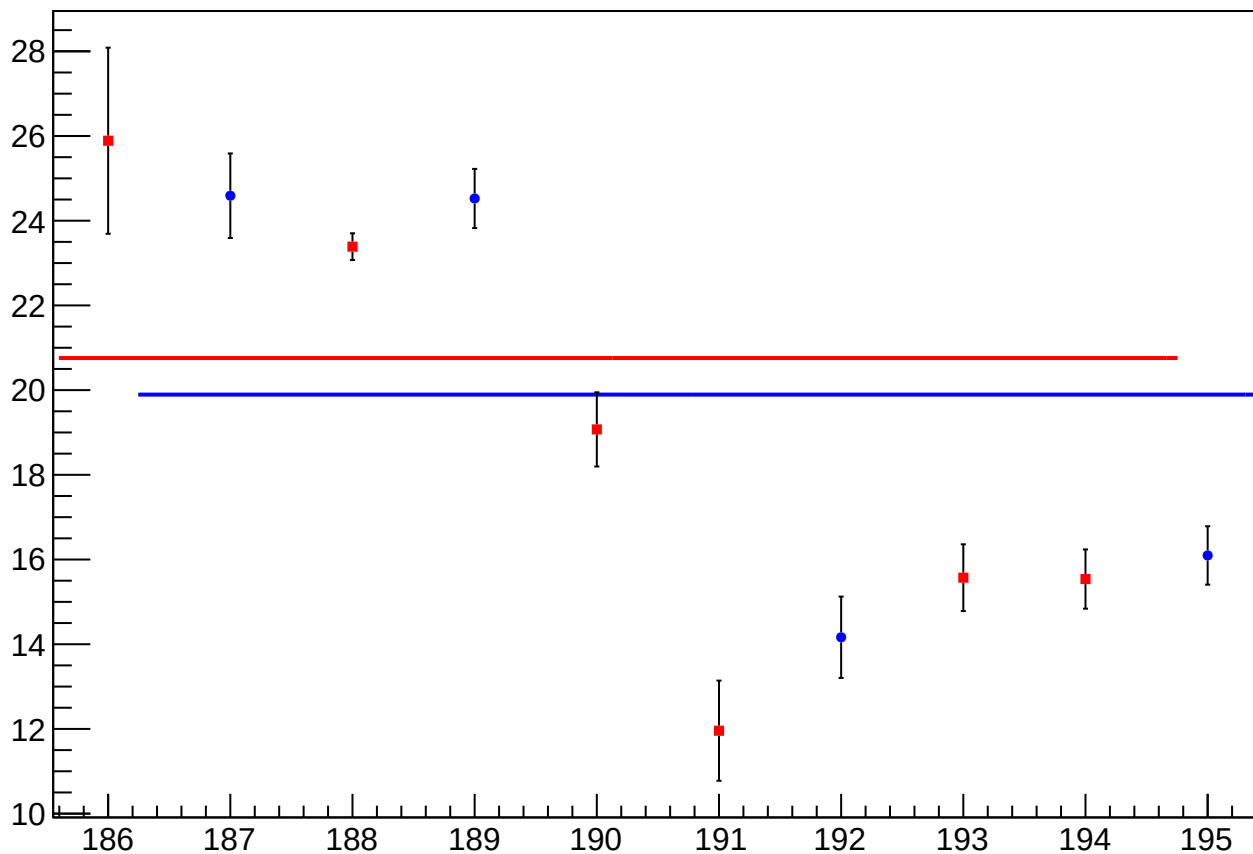
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-25.854 \pm 0.299$   $\chi^2/\text{NDF}$ : 4987.1/9

- 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: 20.758 $\pm$ 0.251  $\chi^2$ /NDF: 232.9/5

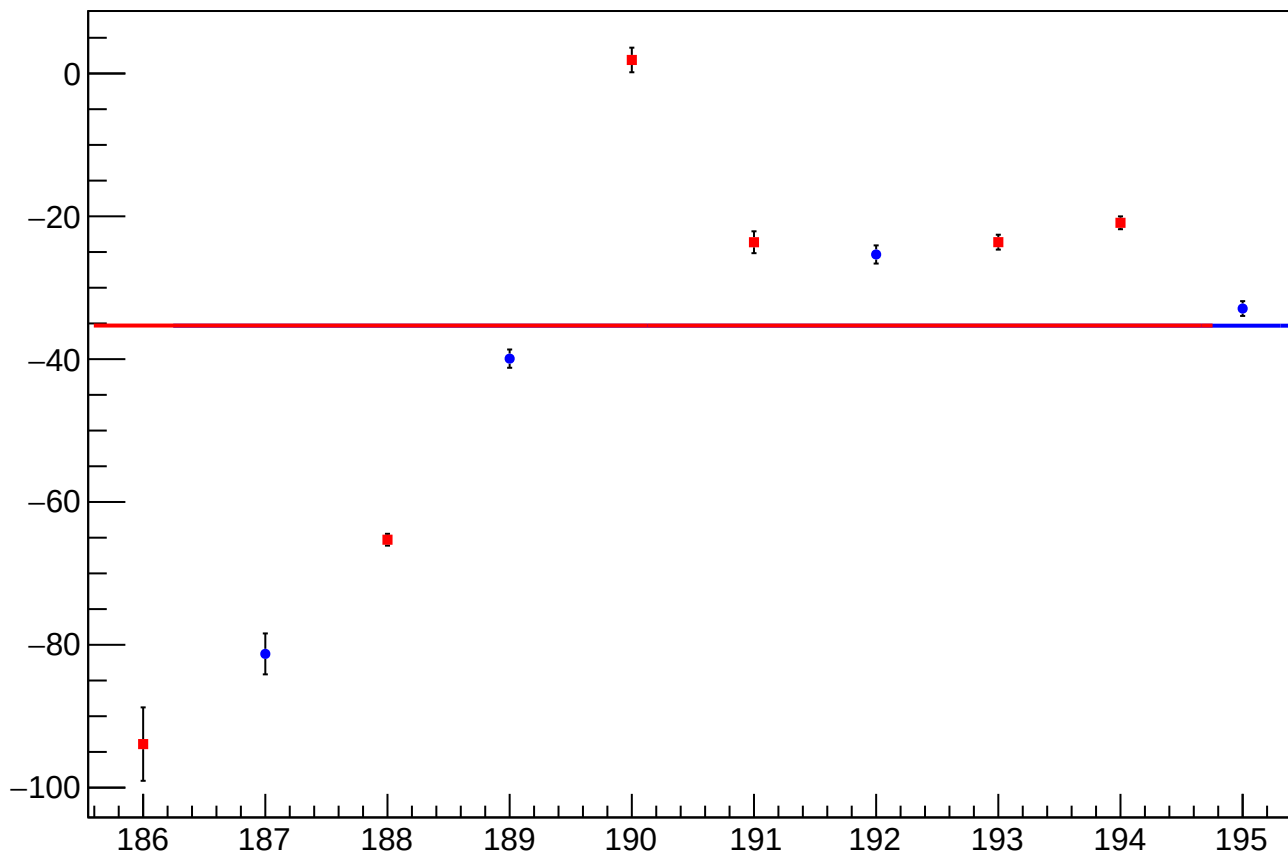
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 20.515 $\pm$ 0.212  $\chi^2$ /NDF: 368.2/9

- 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:  $-35.294 \pm 0.476$   $\chi^2/\text{NDF}$ : 2351.4/5

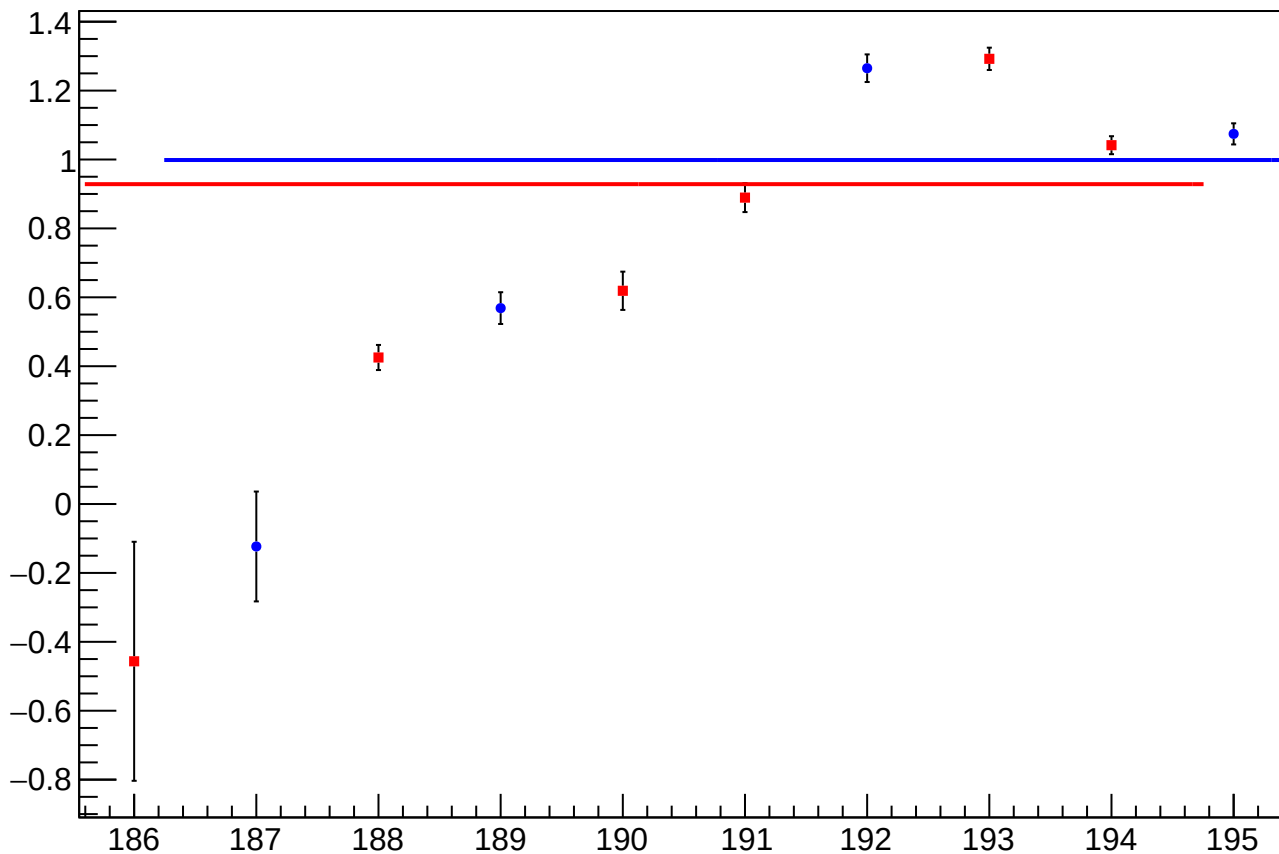
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-35.301 \pm 0.386$   $\chi^2/\text{NDF}$ : 2688.5/9

- 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: 0.928 $\pm$ 0.016  $\chi^2$ /NDF: 383.5/5

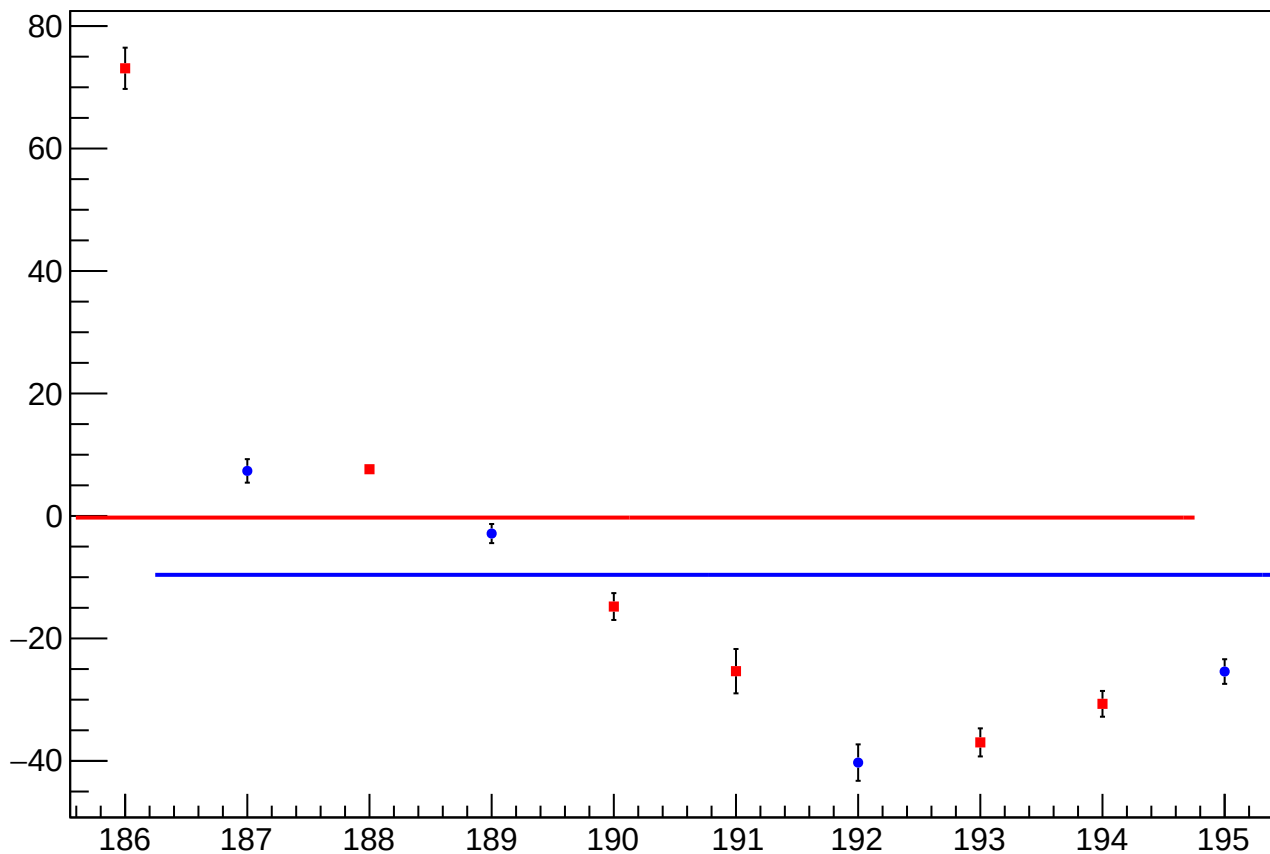
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.953 $\pm$ 0.013  $\chi^2$ /NDF: 577.3/9

- 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:  $-0.264 \pm 0.653$   $\chi^2/\text{NDF}$ : 1128.6/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

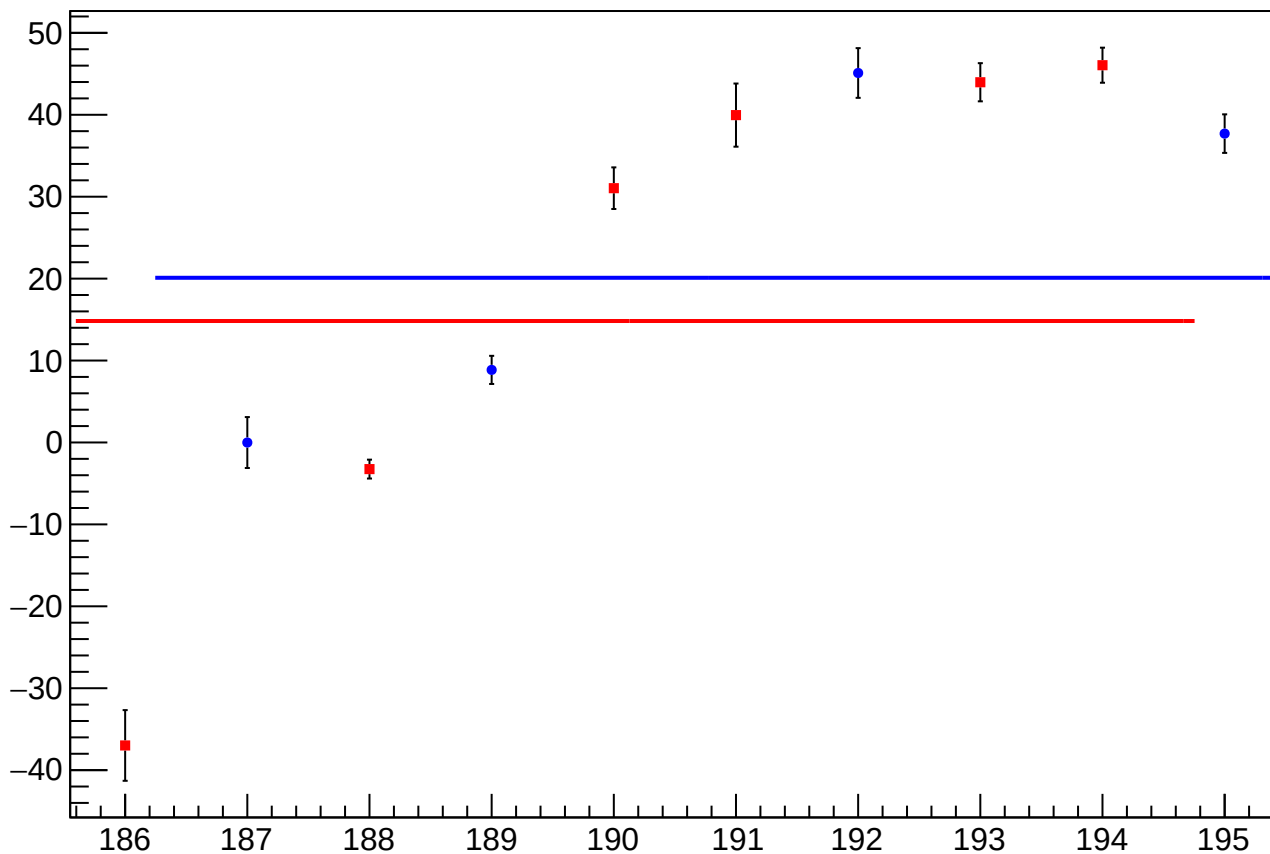
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.137 \pm 0.543$   $\chi^2/\text{NDF}$ : 1456.3/9

- 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: 14.826 $\pm$ 0.836  $\chi^2$ /NDF: 842.9/5

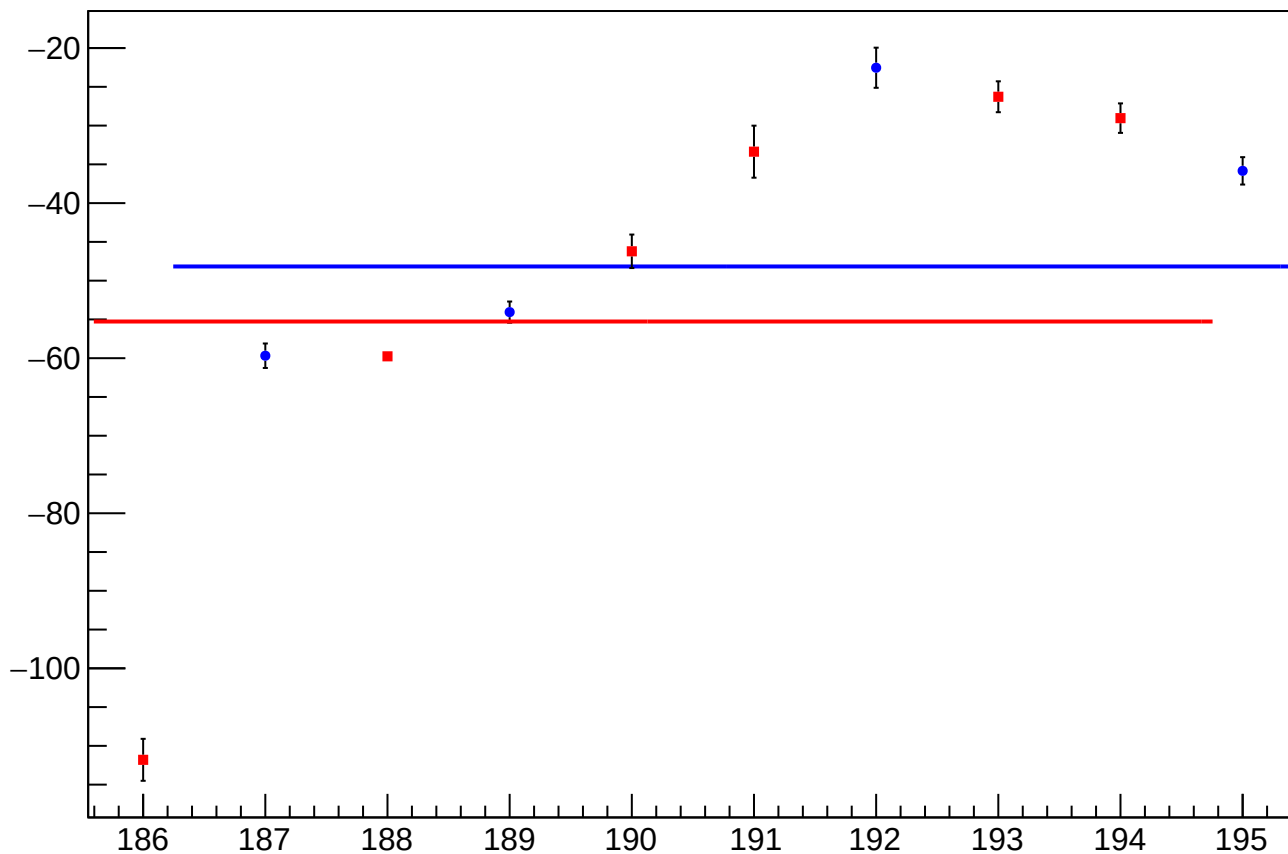
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 16.611 $\pm$ 0.680  $\chi^2$ /NDF: 1064.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-48.170 \pm 0.843$   $\chi^2/\text{NDF}$ : 218.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-55.270 \pm 0.546$   $\chi^2/\text{NDF}$ : 946.5/5

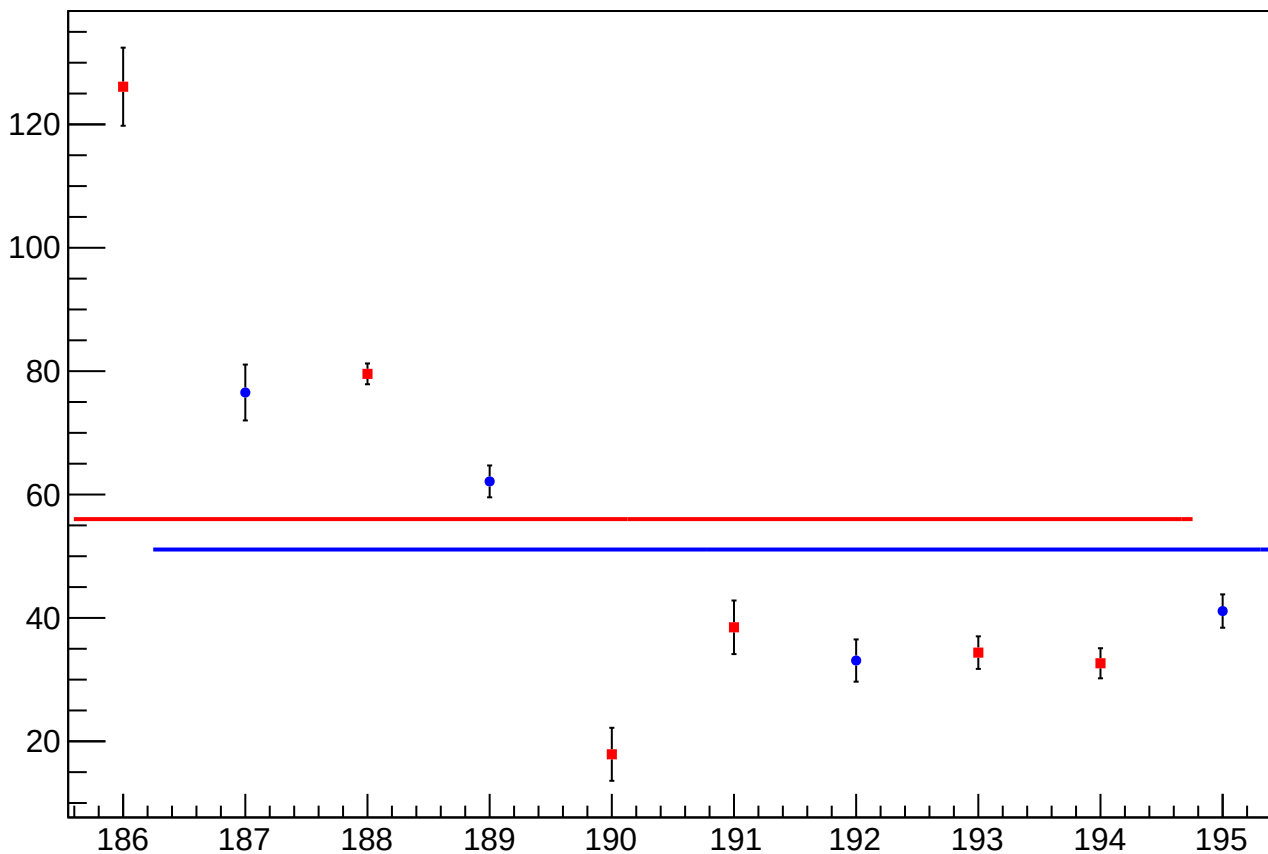
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-53.170 \pm 0.458$   $\chi^2/\text{NDF}$ : 1215.1/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_1548\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 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: 56.016 $\pm$ 1.121  $\chi^2$ /NDF: 571.7/5

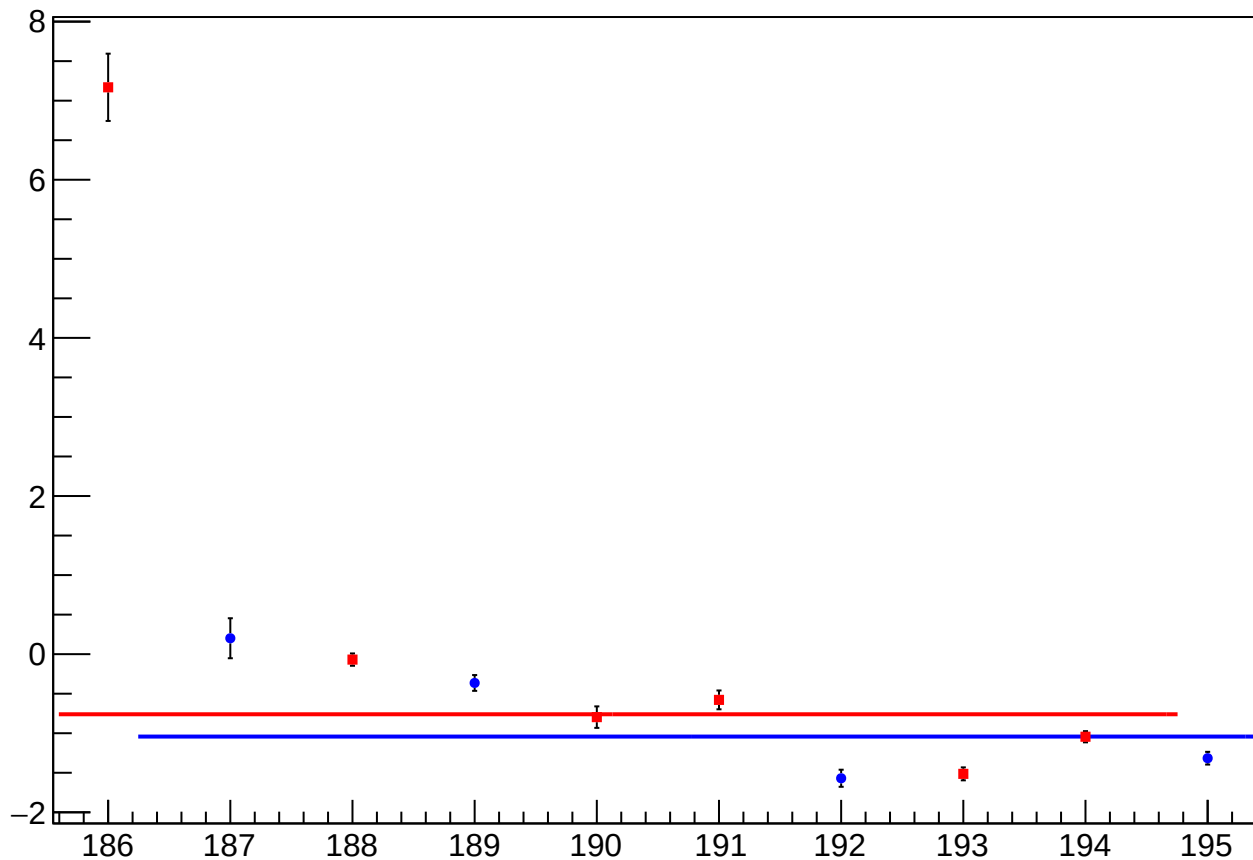
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 54.312 $\pm$ 0.907  $\chi^2$ /NDF: 669.5/9

- 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:  $-0.760 \pm 0.039$   $\chi^2/\text{NDF}$ : 529.3/5

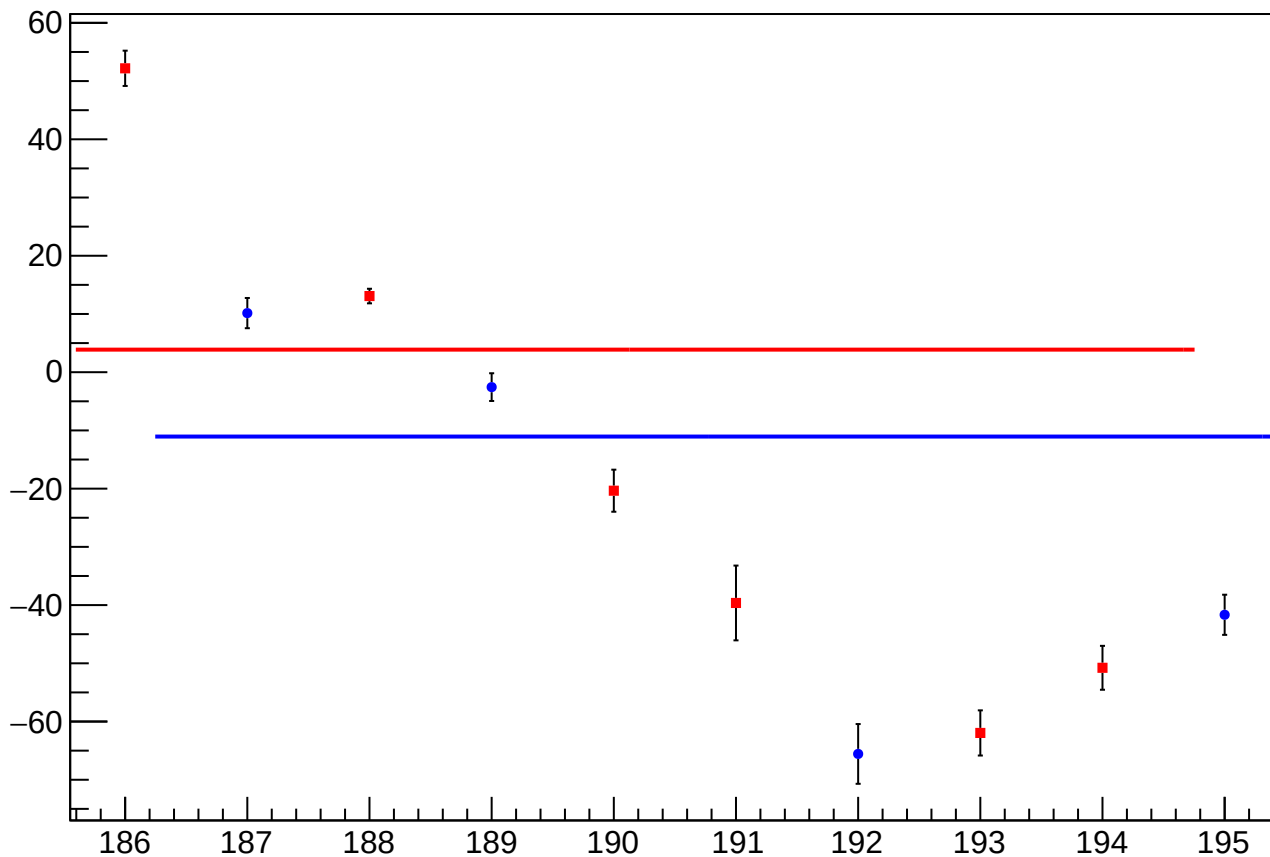
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.861 \pm 0.032$   $\chi^2/\text{NDF}$ : 653.2/9

- 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: 3.875 $\pm$ 1.008  $\chi^2$ /NDF: 897.2/5

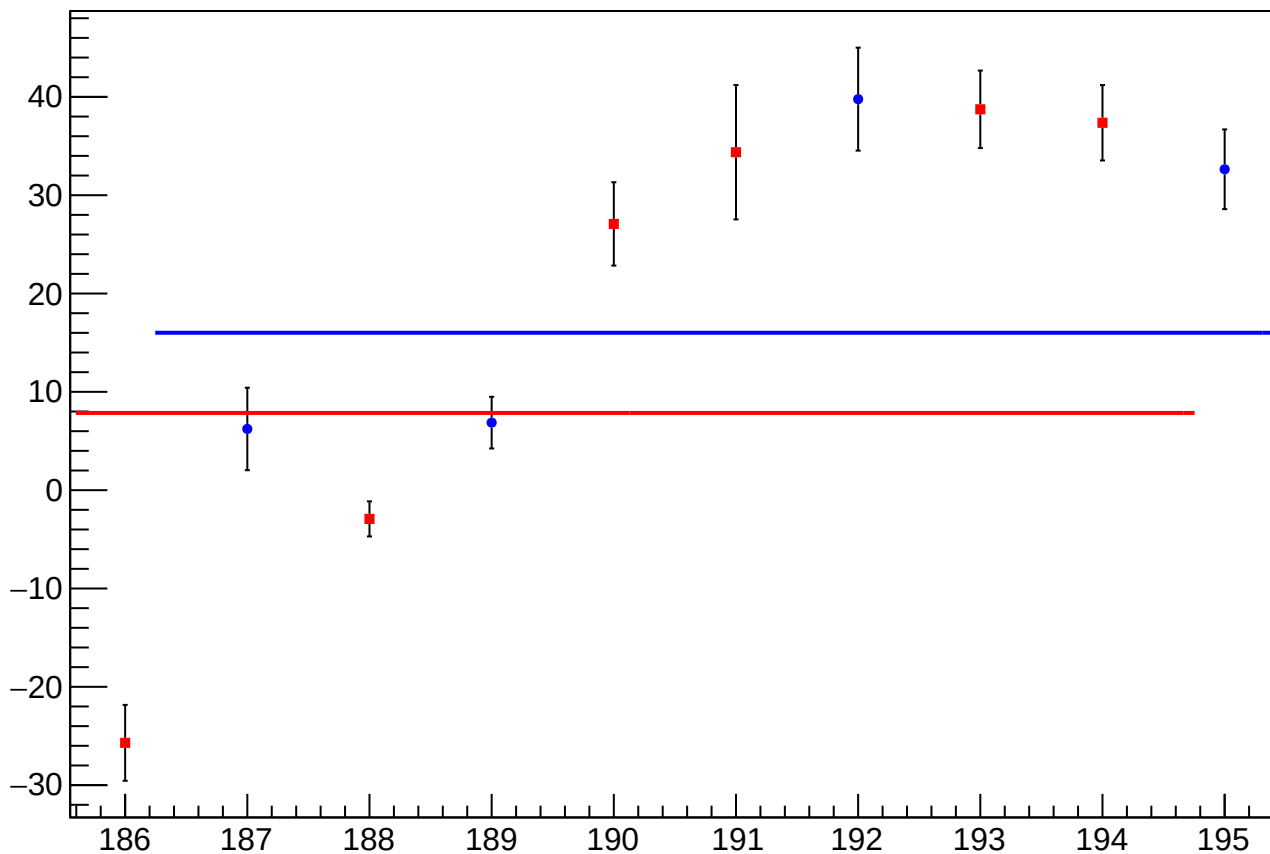
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.786 $\pm$ 0.836  $\chi^2$ /NDF: 1236.8/9

- 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: 7.856 $\pm$ 1.301  $\chi^2$ /NDF: 268.3/5

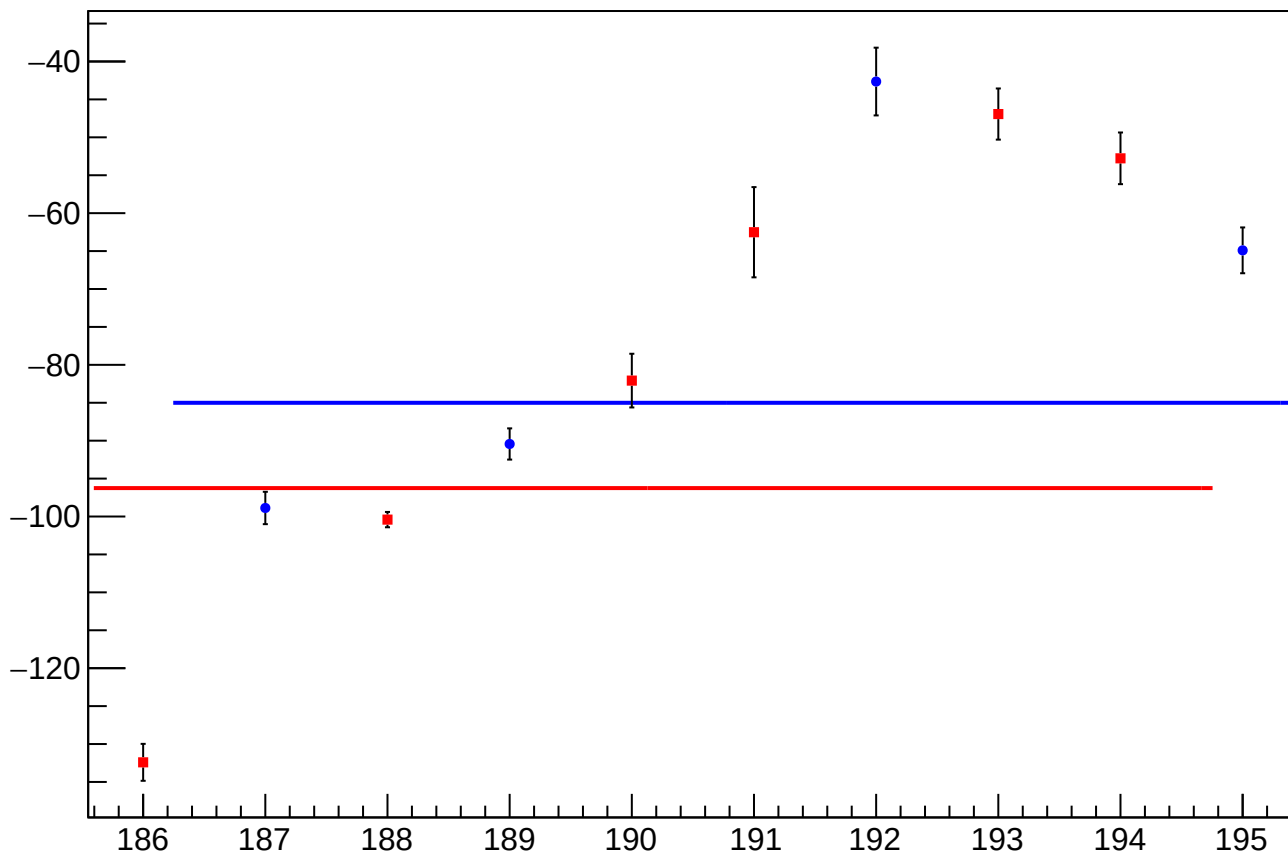
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.597 $\pm$ 1.060  $\chi^2$ /NDF: 336.4/9

- 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: -96.252 $\pm$ 0.836  $\chi^2$ /NDF: 662.5/5

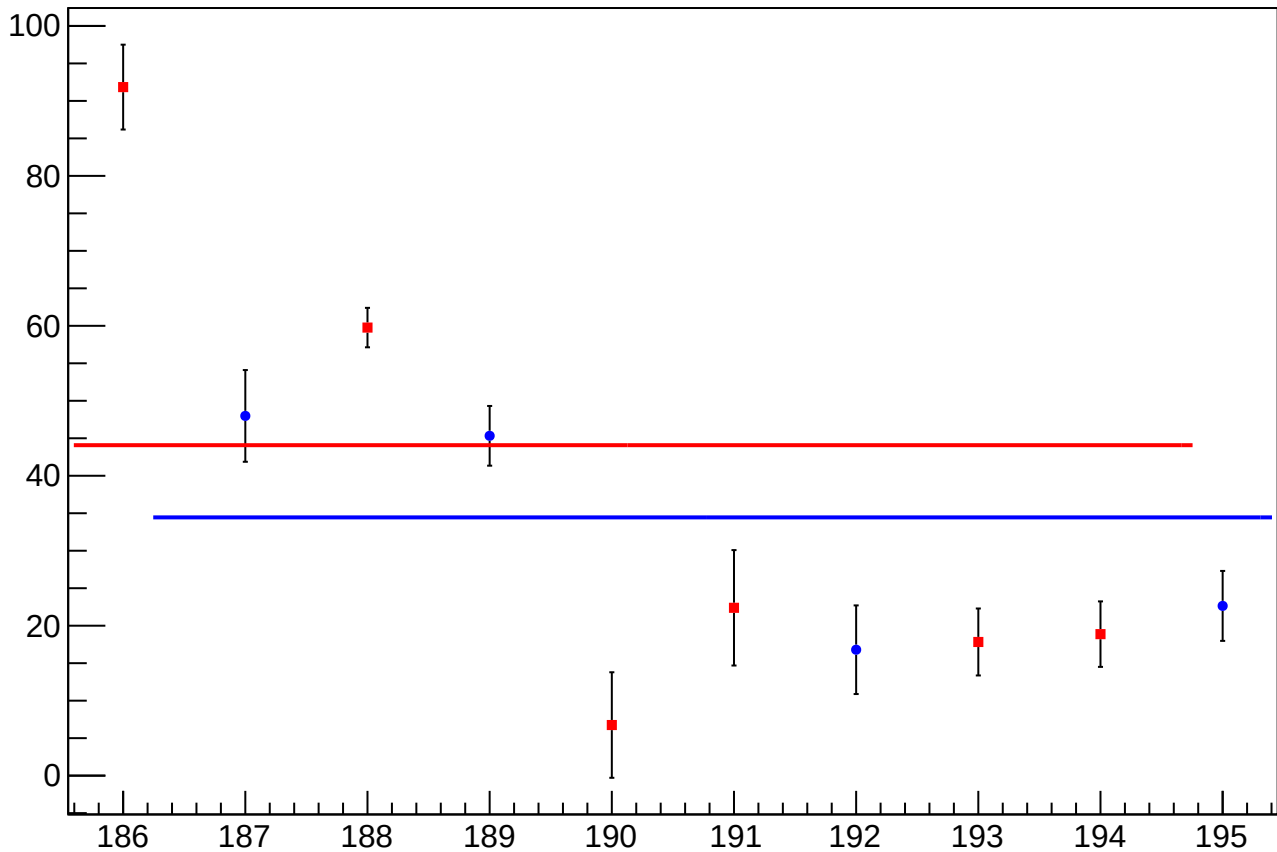
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -92.868 $\pm$ 0.699  $\chi^2$ /NDF: 900.4/9

- 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: 44.078 $\pm$ 1.781  $\chi^2$ /NDF: 210.7/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

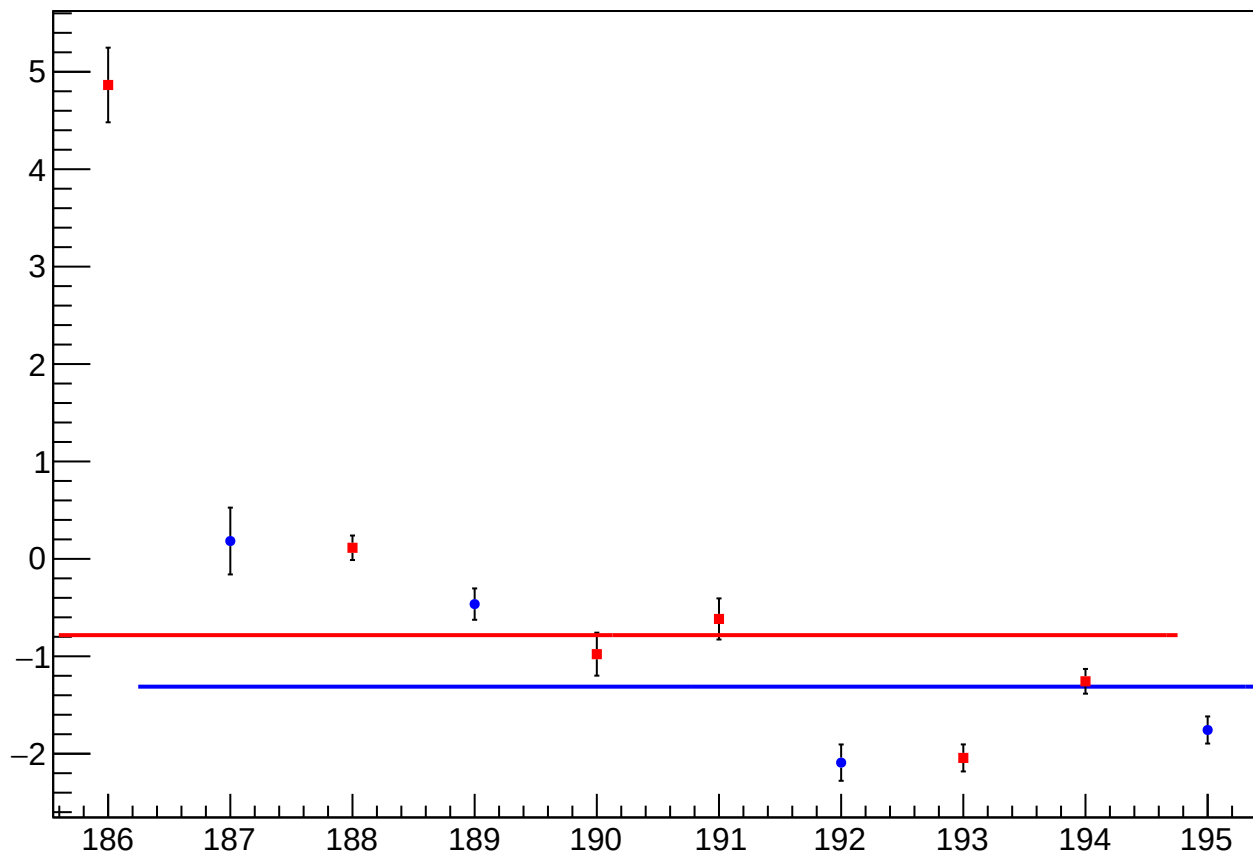
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 40.778 $\pm$ 1.444  $\chi^2$ /NDF: 248.4/9

- 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:  $-0.783 \pm 0.066$   $\chi^2/\text{NDF}$ : 366.1/5

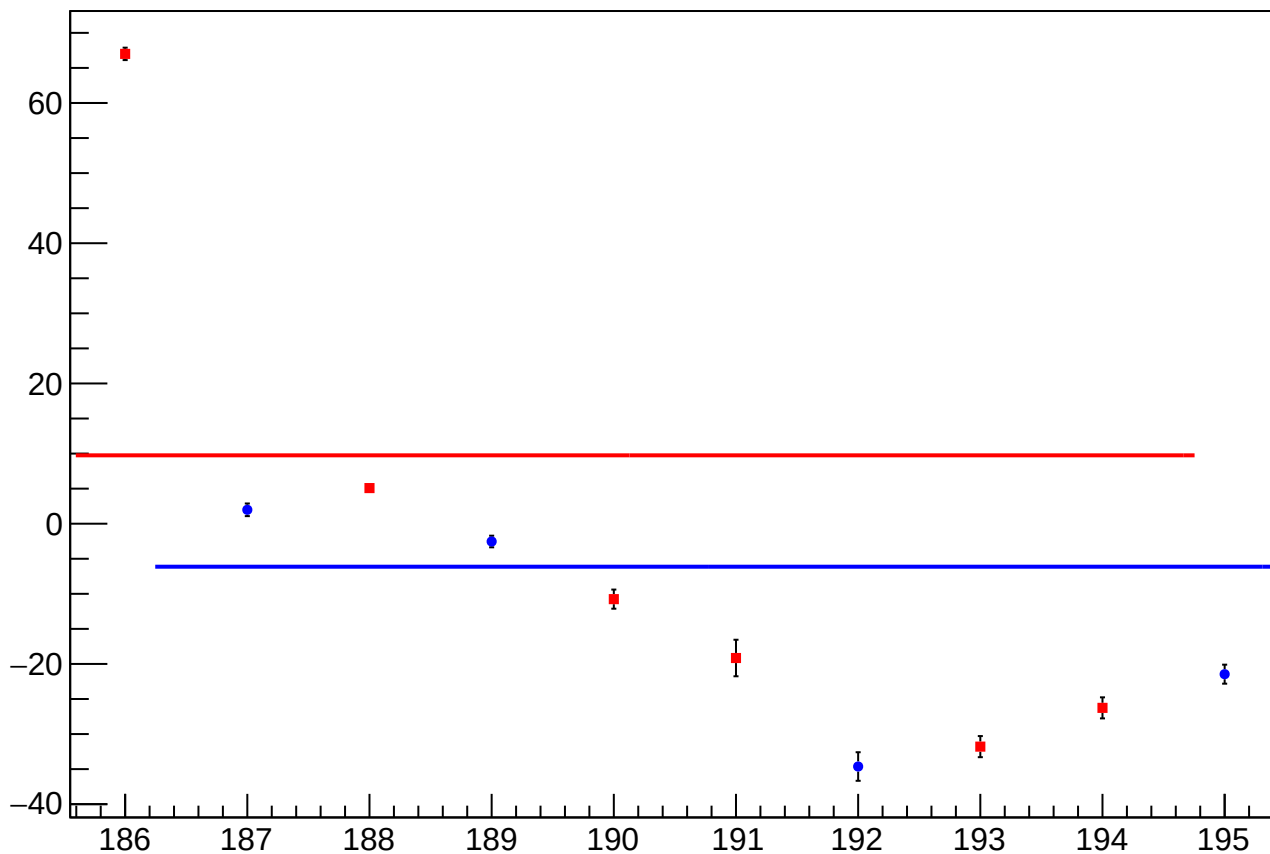
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.973 \pm 0.053$   $\chi^2/\text{NDF}$ : 463.4/9

- 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: 9.750+/-0.356  $\chi^2/\text{NDF}$ : 5982.8/5

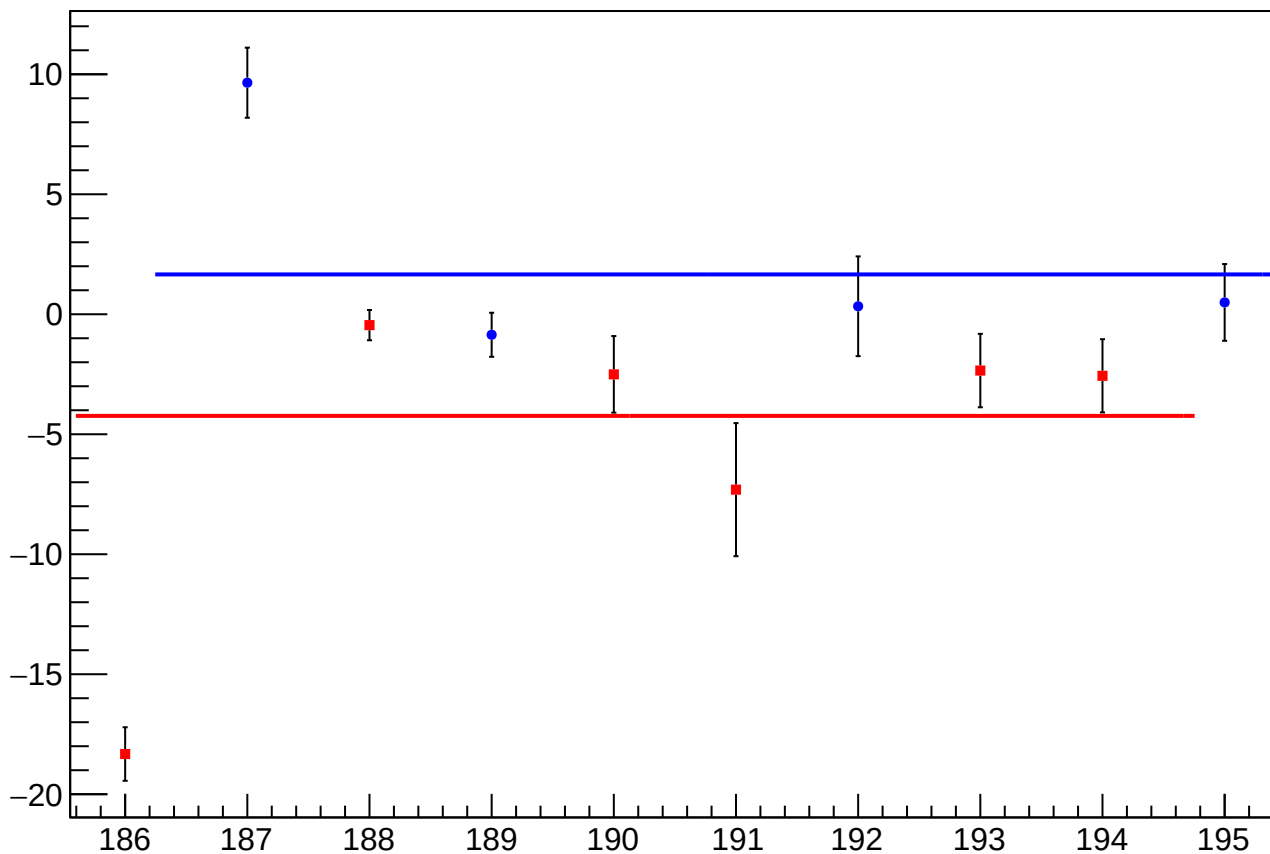
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.896+/-0.297  $\chi^2/\text{NDF}$ : 7013.8/9

- 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: -4.235 $\pm$ 0.461  $\chi^2$ /NDF: 200.4/5

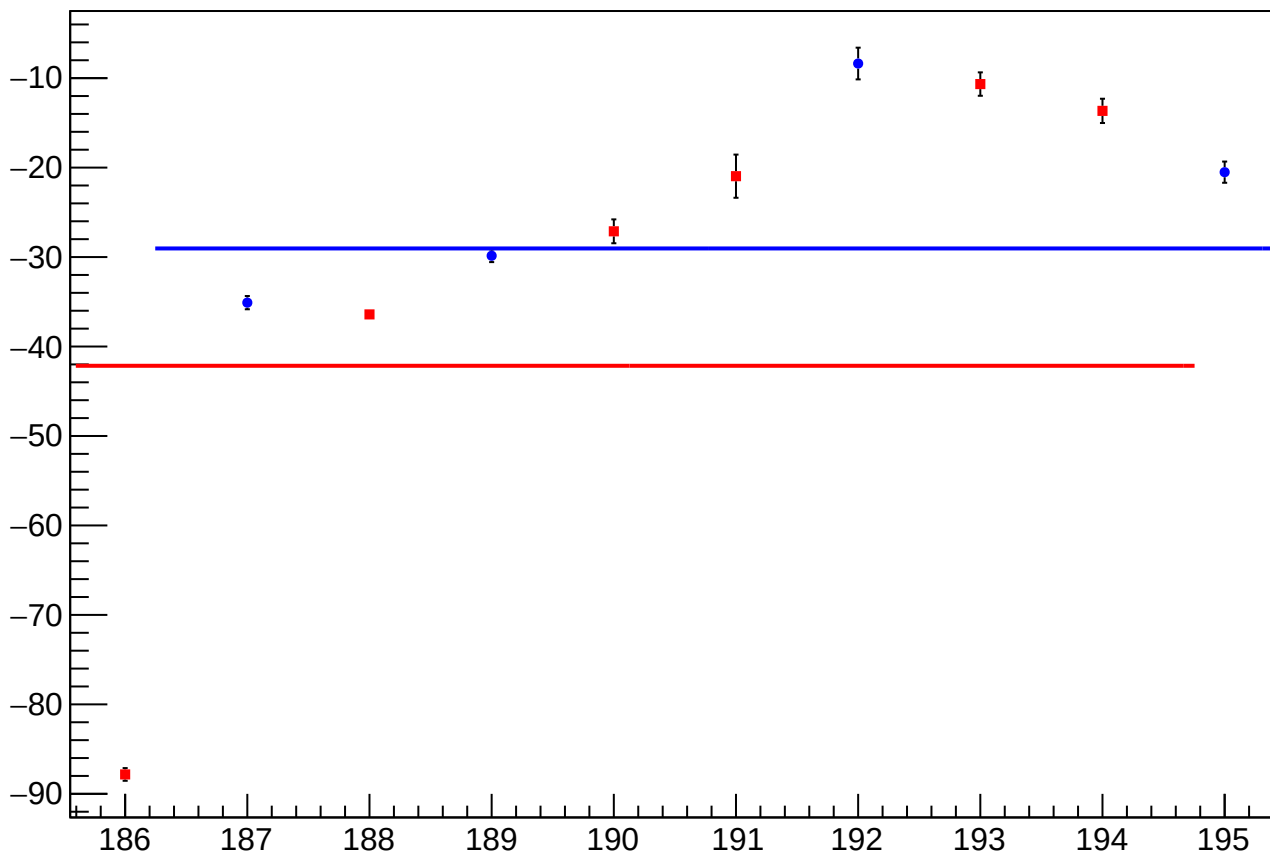
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -2.309 $\pm$ 0.379  $\chi^2$ /NDF: 292.1/9

- 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:  $-42.153 \pm 0.294$   $\chi^2/\text{NDF}$ : 5607.8/5

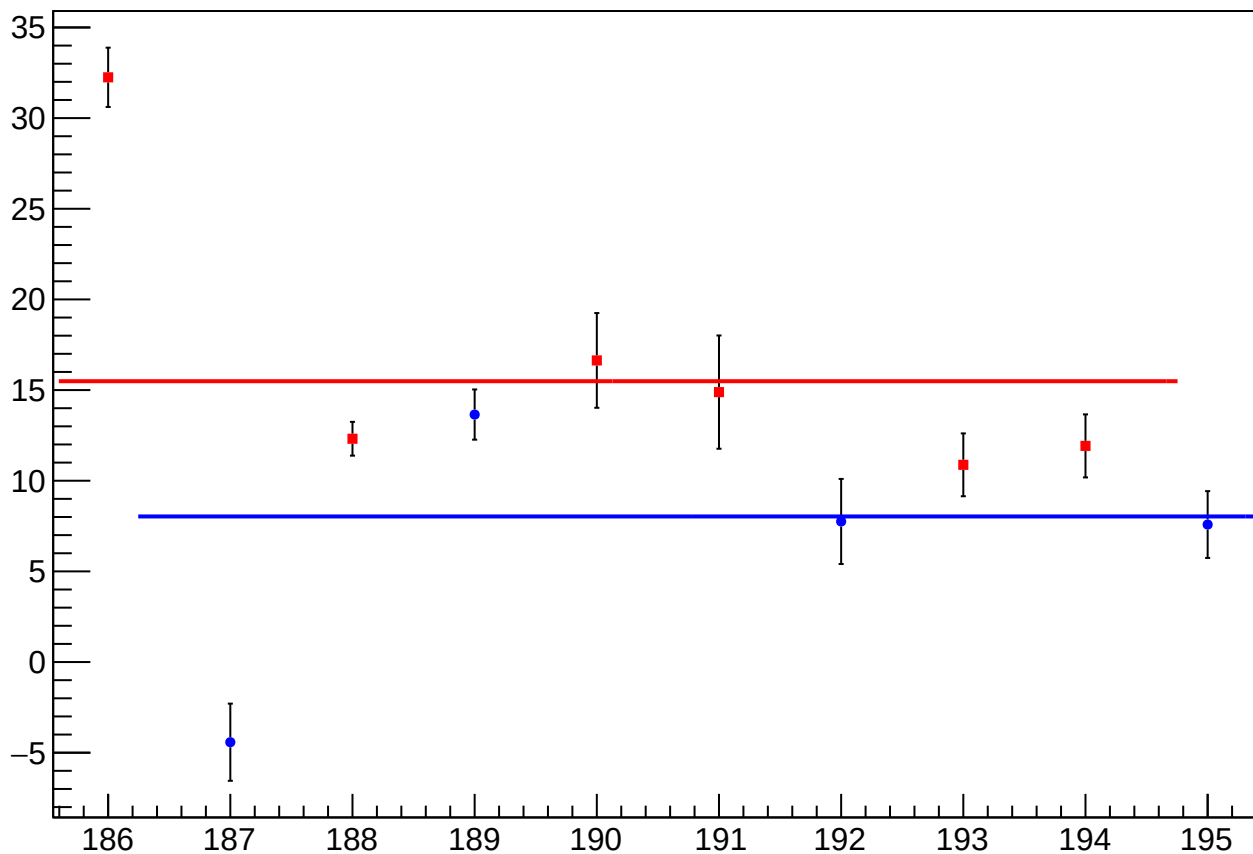
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-38.292 \pm 0.247$   $\chi^2/\text{NDF}$ : 6449.8/9

- 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: 15.489 $\pm$ 0.640  $\chi^2$ /NDF: 128.2/5

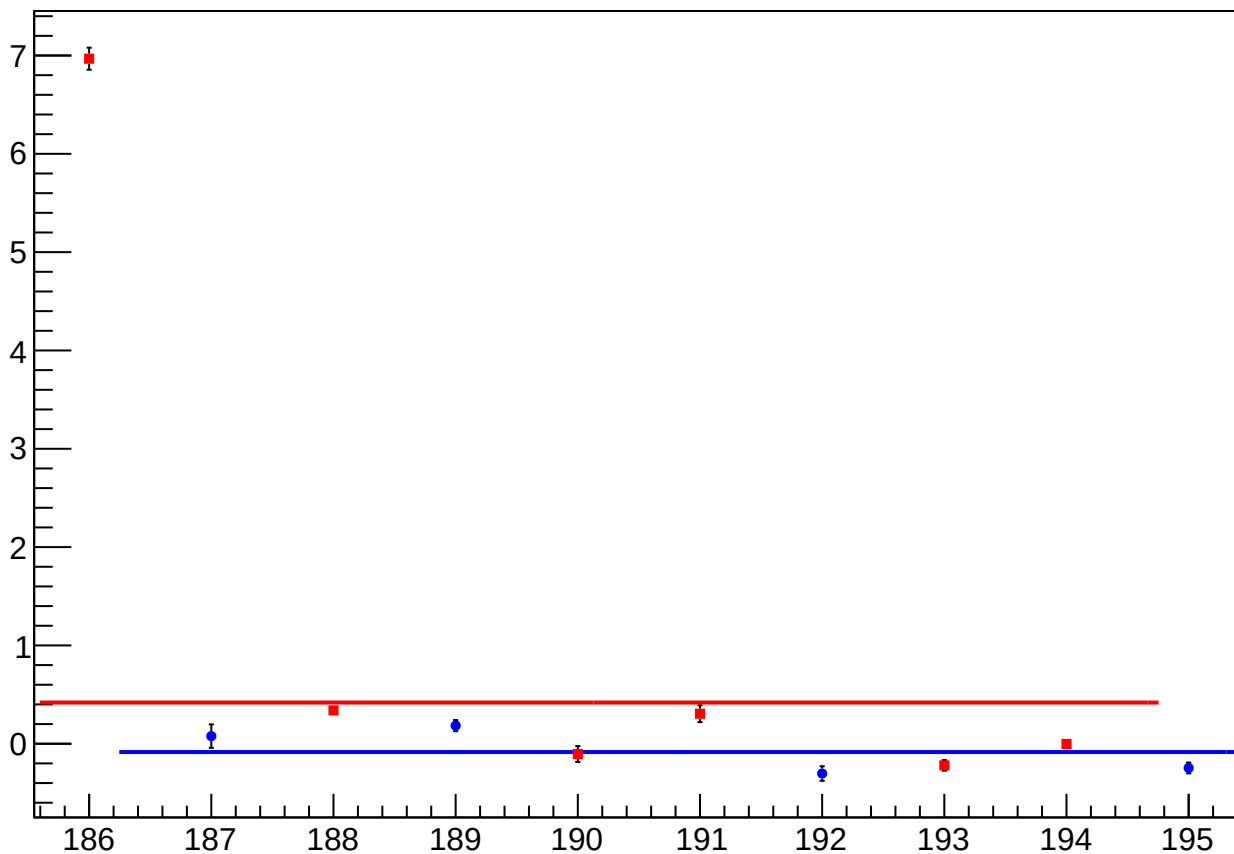
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 13.005 $\pm$ 0.523  $\chi^2$ /NDF: 224.2/9

- 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:  $0.419 \pm 0.025$   $\chi^2/\text{NDF}$ : 3664.0/5

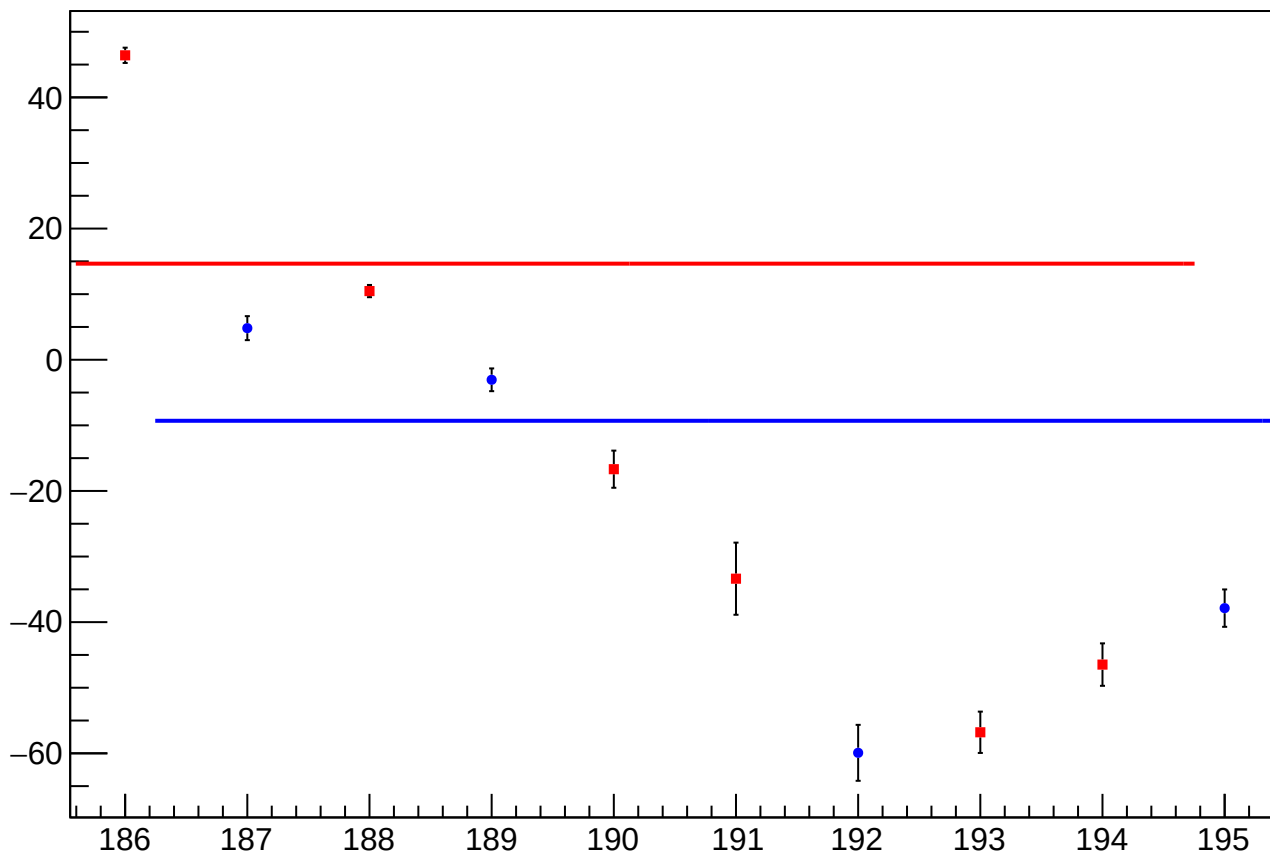
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.240 \pm 0.020$   $\chi^2/\text{NDF}$ : 3850.1/9

- 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±/-1.111  $\chi^2/\text{NDF}$ : 314.0/3

Left Out: 0.000±/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.651±/-0.668  $\chi^2/\text{NDF}$ : 1831.2/5

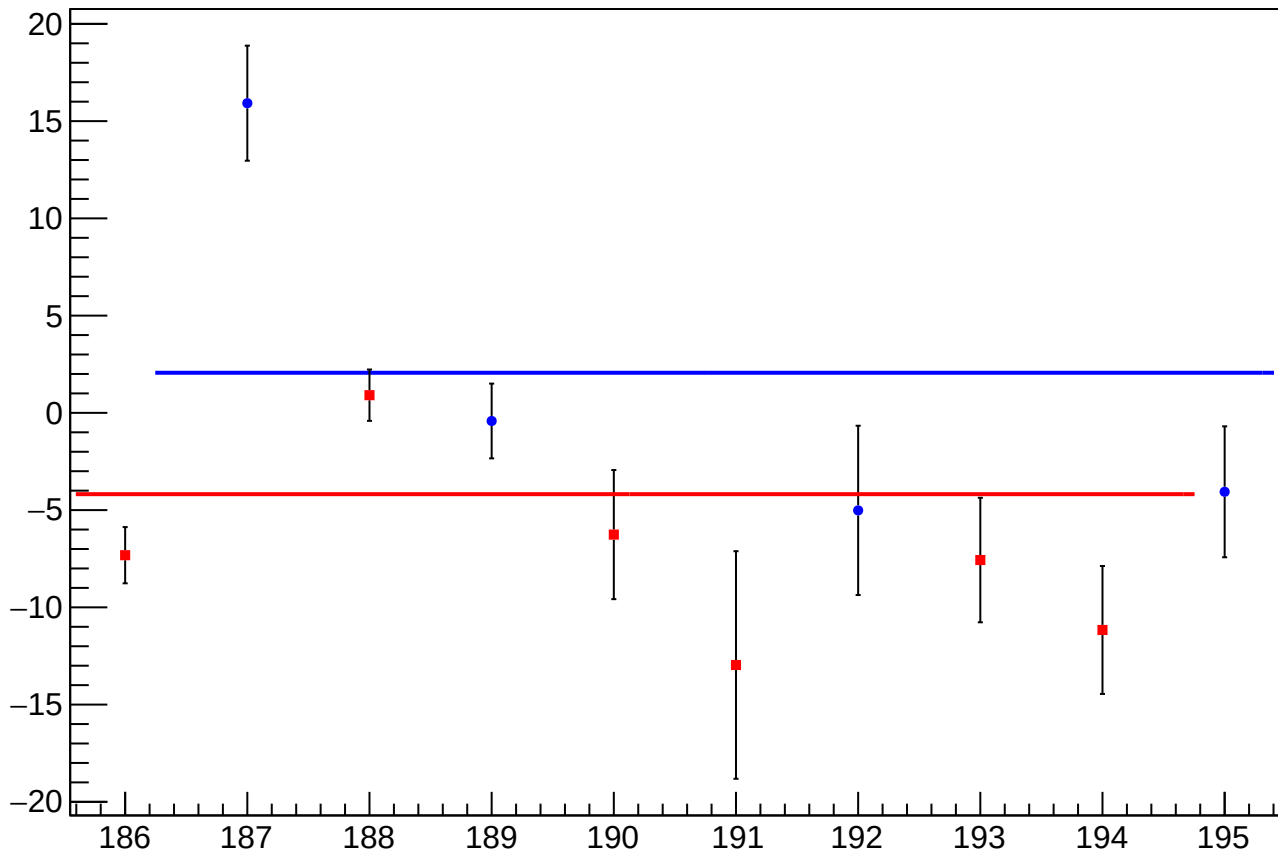
Left In: 0.000±/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000±/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.290±/-0.573  $\chi^2/\text{NDF}$ : 2486.4/9

- sign 0.000±/-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: -4.181 $\pm$ 0.857  $\chi^2$ /NDF: 27.9/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

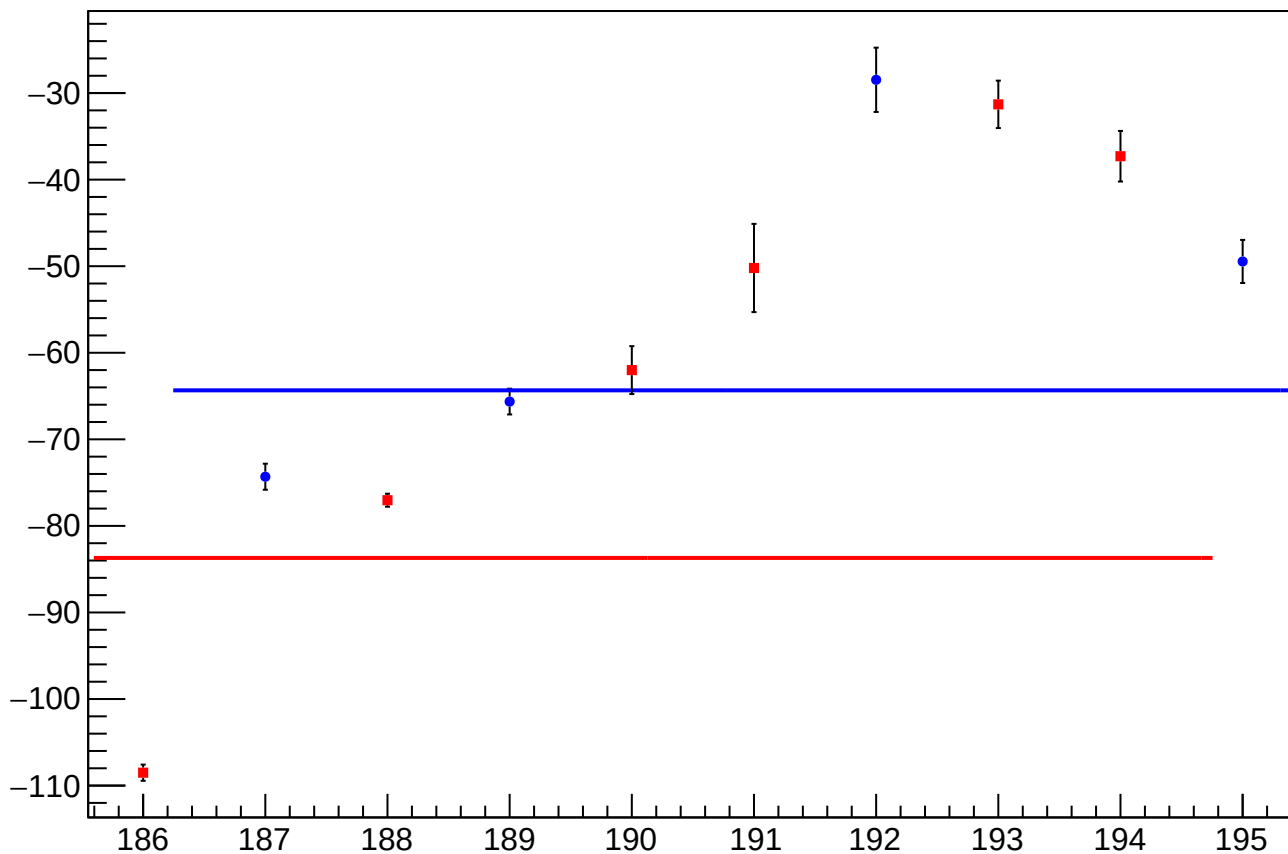
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -2.442 $\pm$ 0.728  $\chi^2$ /NDF: 72.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_sam\_3726\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-64.341 \pm 0.941$   $\chi^2/\text{NDF}$ : 173.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-83.699 \pm 0.548$   $\chi^2/\text{NDF}$ : 1504.4/5

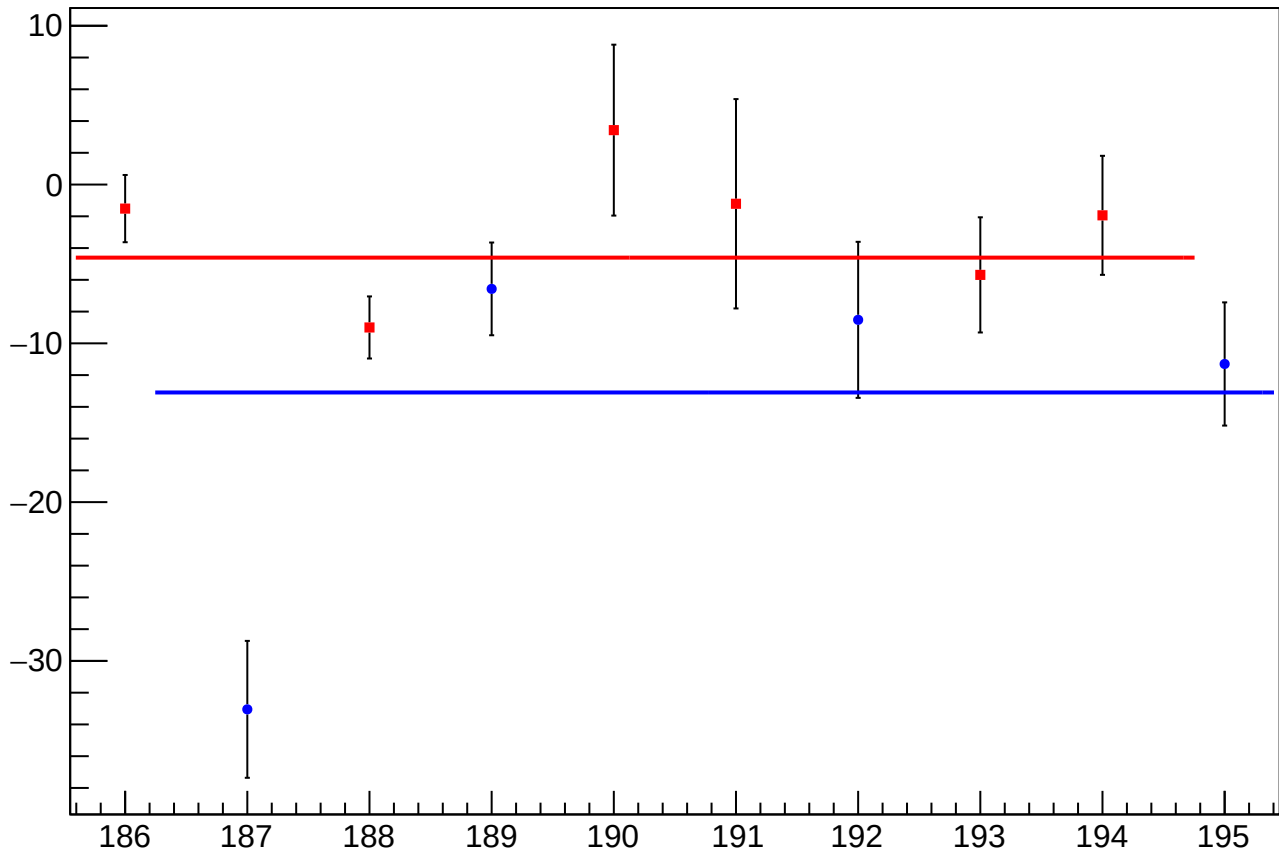
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-78.800 \pm 0.473$   $\chi^2/\text{NDF}$ : 1994.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_3726\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: -13.094 $\pm$ 1.893  $\chi^2$ /NDF: 27.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -4.602 $\pm$ 1.204  $\chi^2$ /NDF: 10.3/5

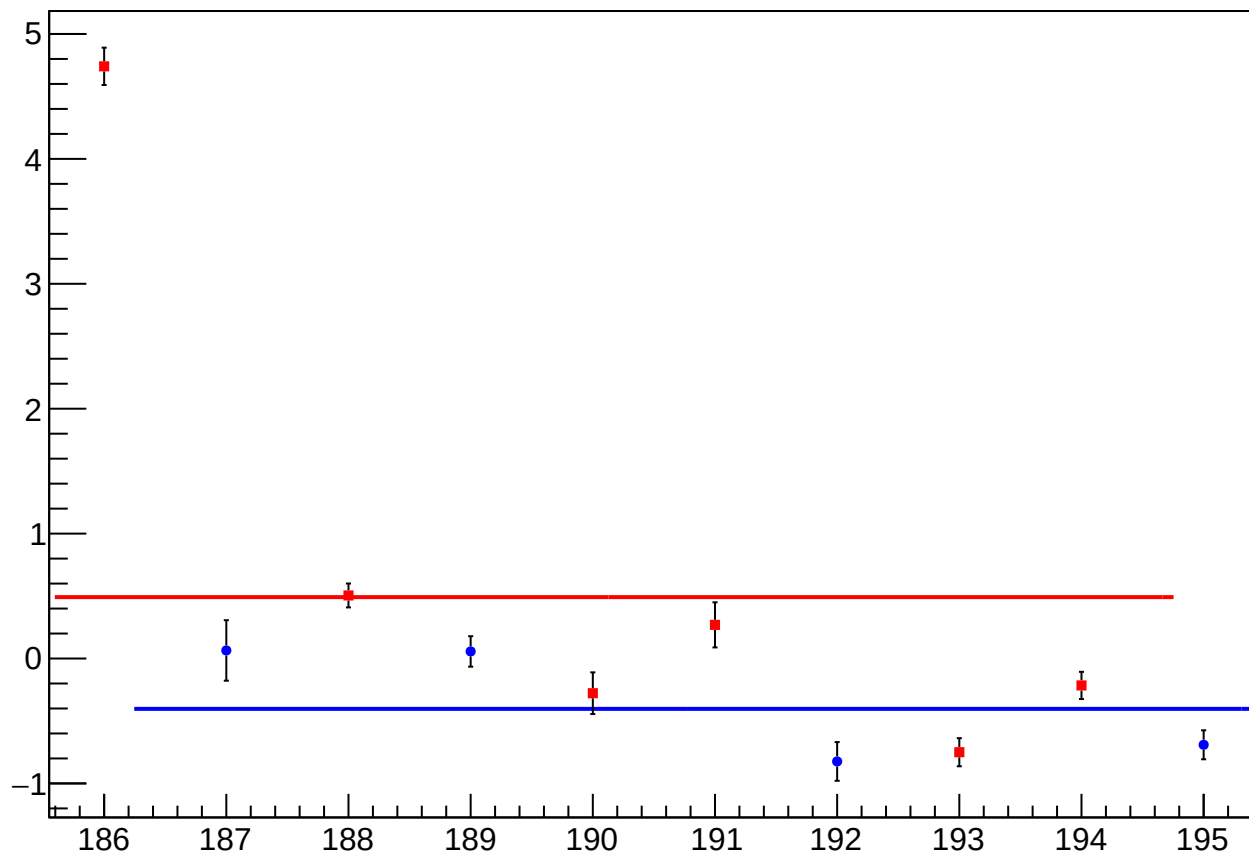
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.048 $\pm$ 1.016  $\chi^2$ /NDF: 52.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $0.492 \pm 0.051$   $\chi^2/\text{NDF}$ : 995.8/5

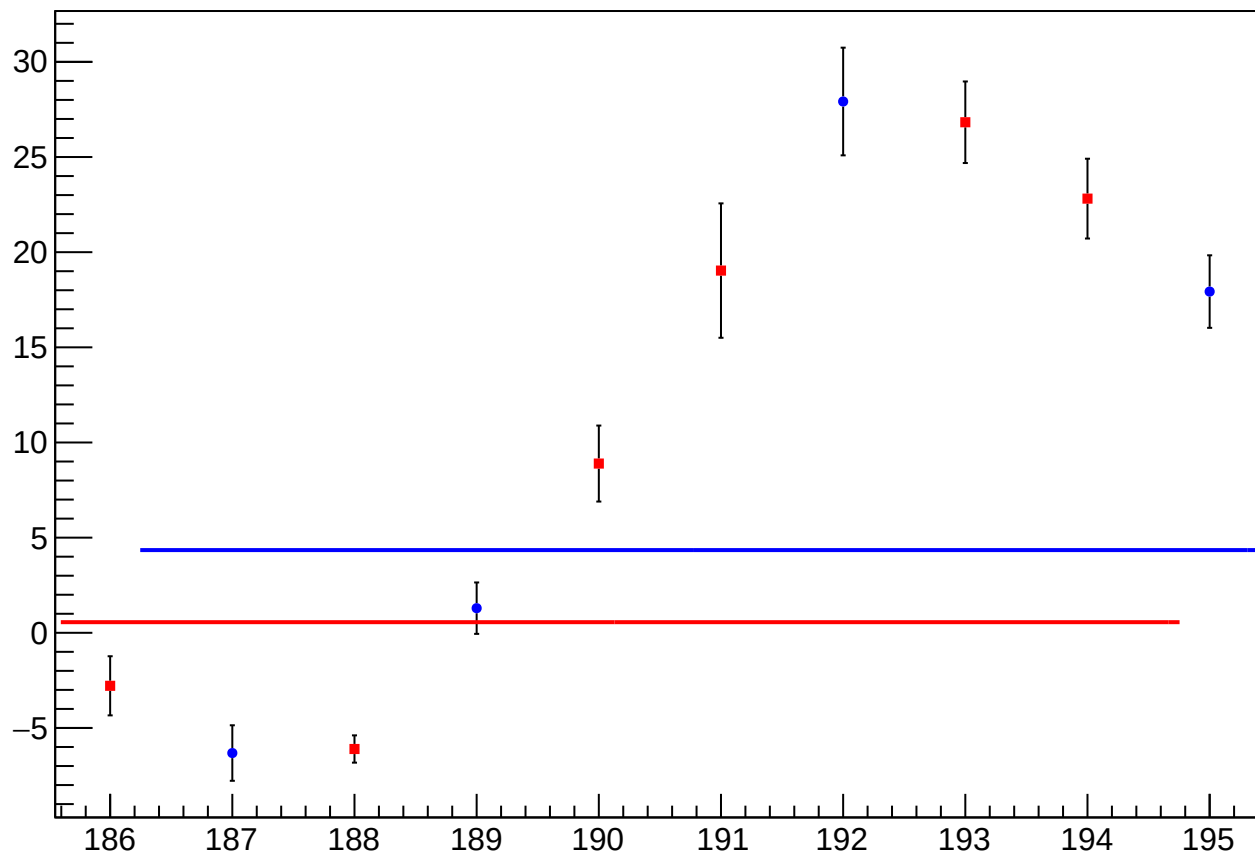
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.185 \pm 0.041$   $\chi^2/\text{NDF}$ : 1132.5/9

- 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: 0.558+/-0.565  $\chi^2/\text{NDF}$ : 398.8/5

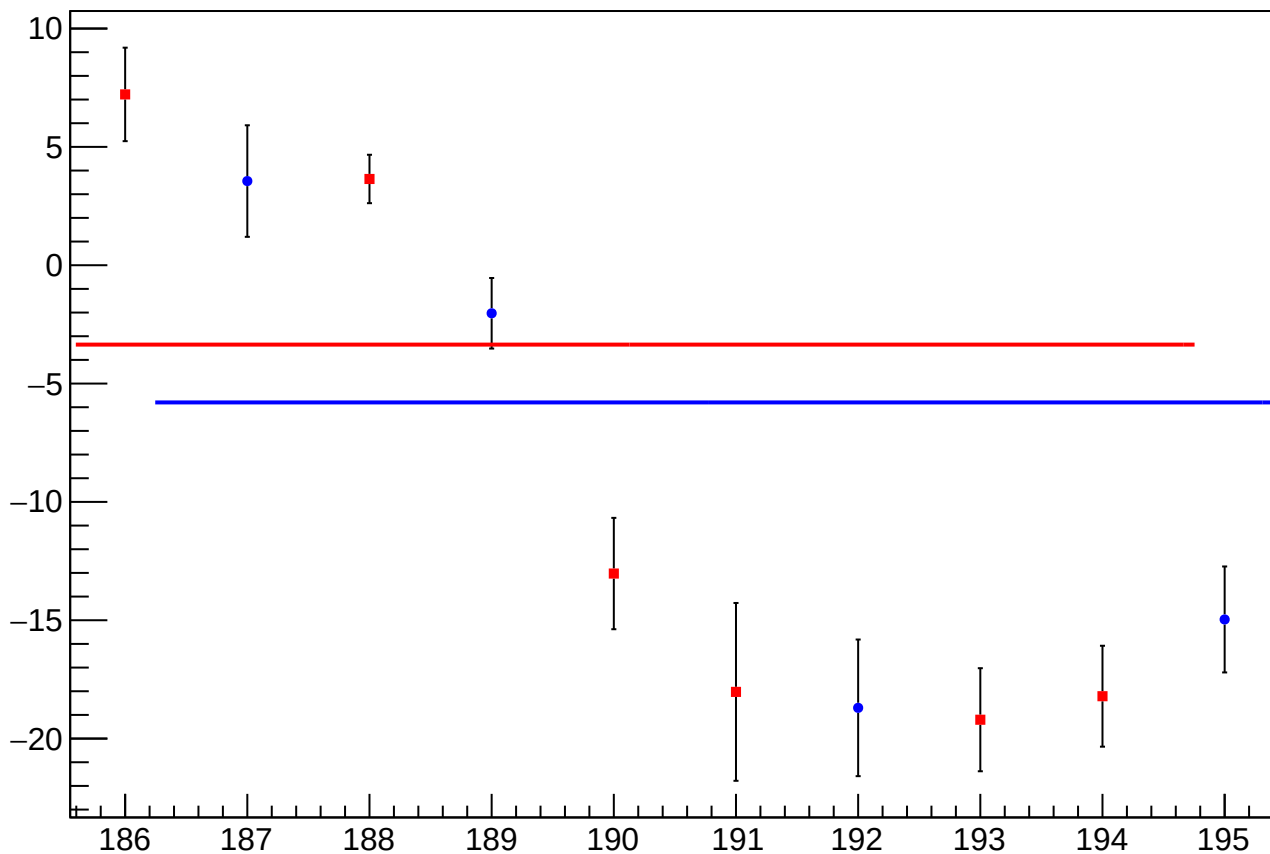
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.738+/-0.469  $\chi^2/\text{NDF}$ : 591.6/9

- 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: -3.354 $\pm$ 0.727  $\chi^2$ /NDF: 209.2/5

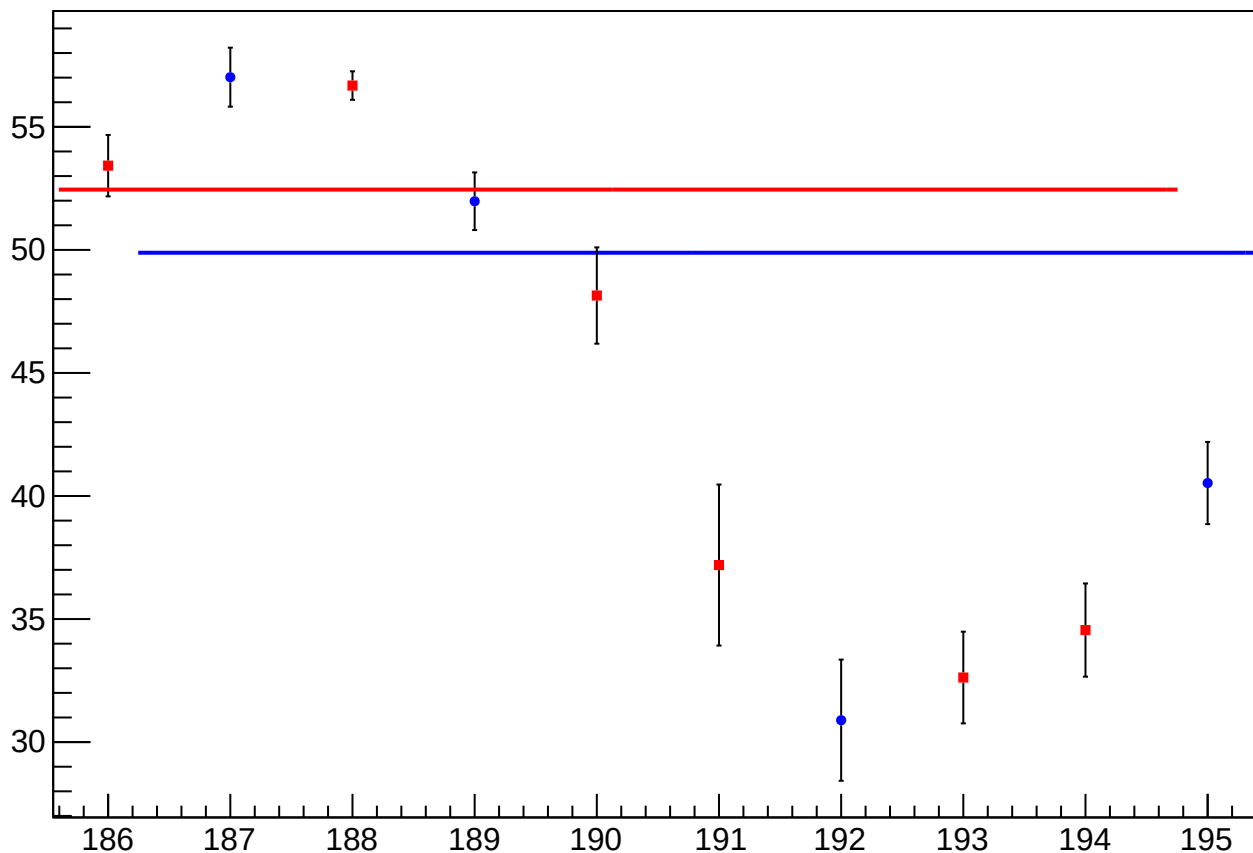
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -4.170 $\pm$ 0.593  $\chi^2$ /NDF: 271.8/9

- 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 $\pm$ 0.716  $\chi^2$ /NDF: 129.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 52.451 $\pm$ 0.469  $\chi^2$ /NDF: 283.2/5

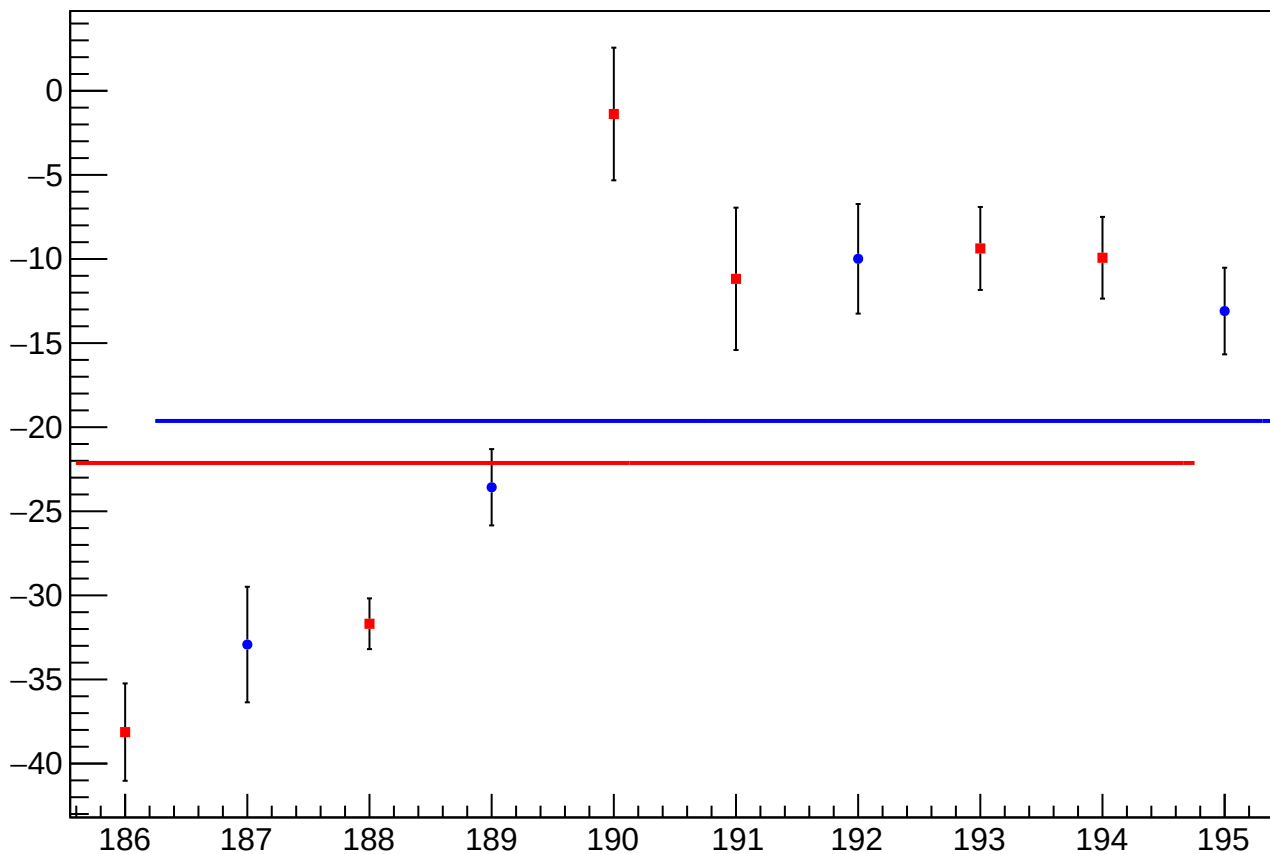
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 51.682 $\pm$ 0.392  $\chi^2$ /NDF: 421.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-19.628 \pm 1.382$   $\chi^2/\text{NDF}$ : 33.2/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-22.127 \pm 0.994$   $\chi^2/\text{NDF}$ : 157.0/5

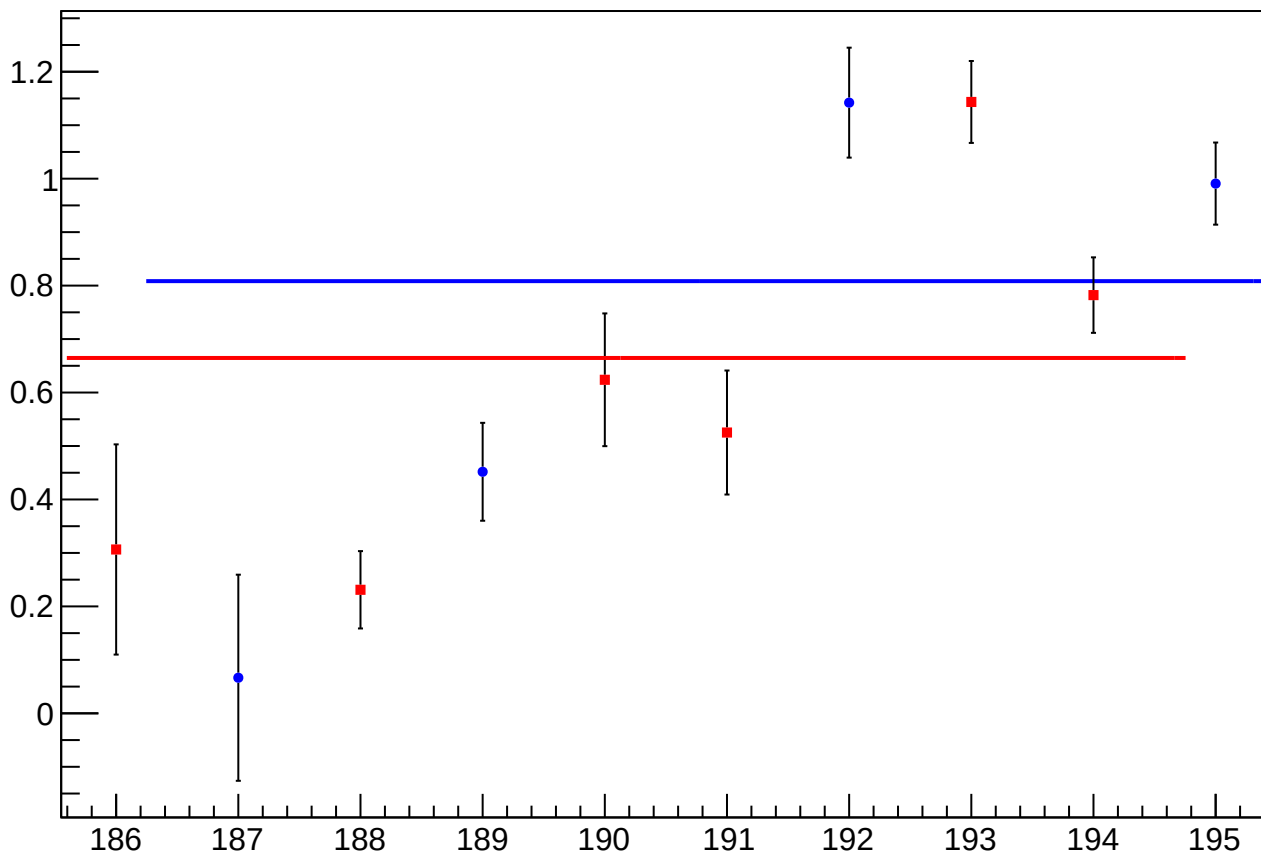
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-21.275 \pm 0.807$   $\chi^2/\text{NDF}$ : 192.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 0.808 $\pm$ 0.049  $\chi^2$ /NDF: 46.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.665 $\pm$ 0.037  $\chi^2$ /NDF: 82.6/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

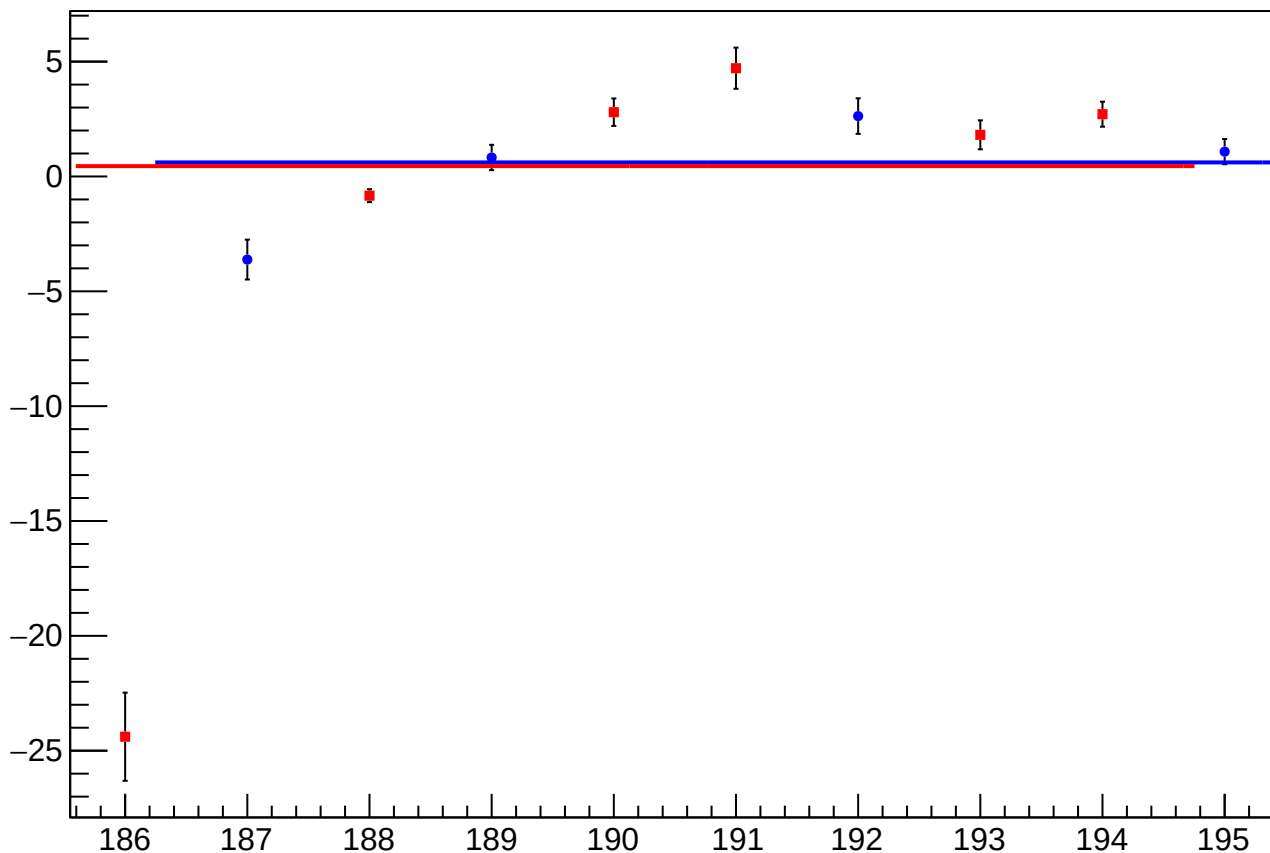
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.716 $\pm$ 0.030  $\chi^2$ /NDF: 134.2/9

- 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: 0.450 $\pm$ 0.210  $\chi^2$ /NDF: 248.3/5

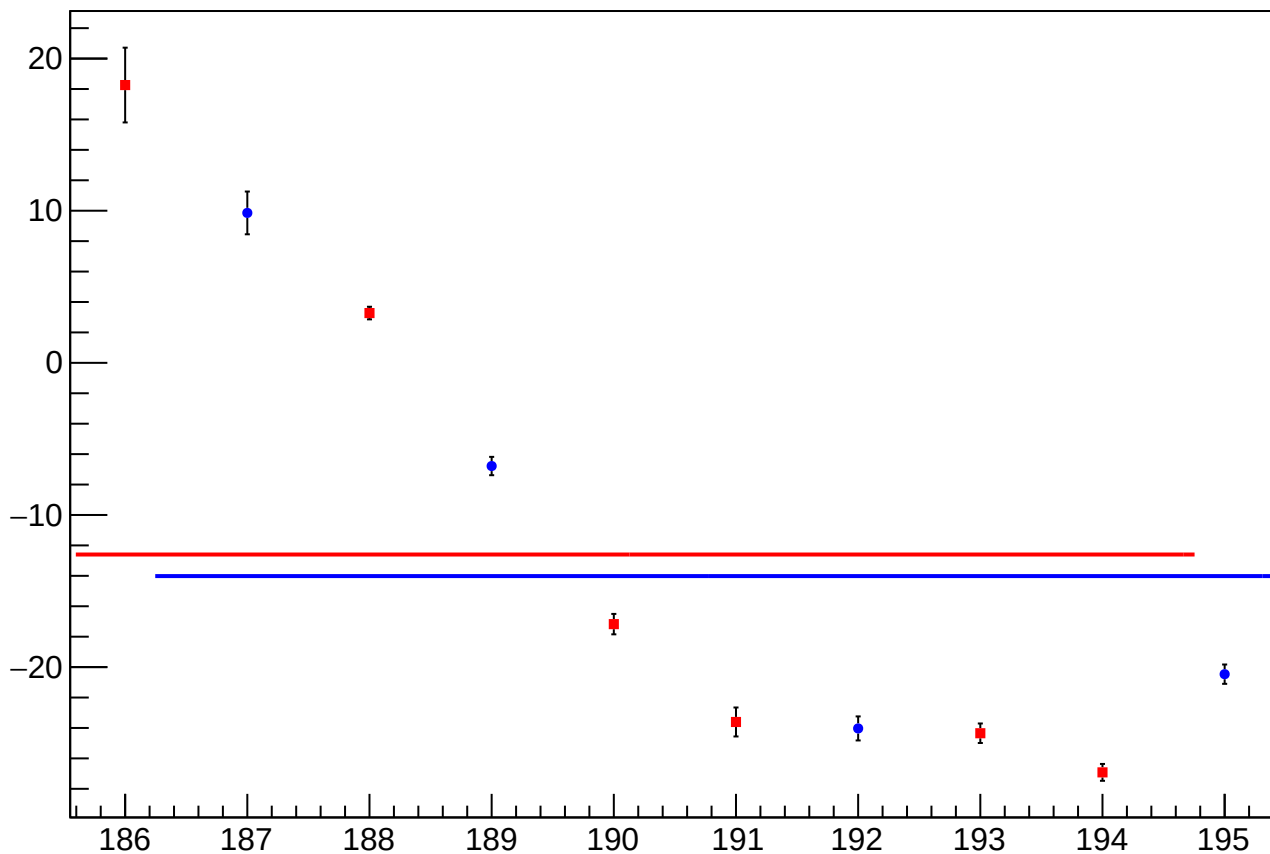
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.498 $\pm$ 0.176  $\chi^2$ /NDF: 279.9/9

- 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:  $-12.599 \pm 0.258$   $\chi^2/\text{NDF}$ : 2808.4/5

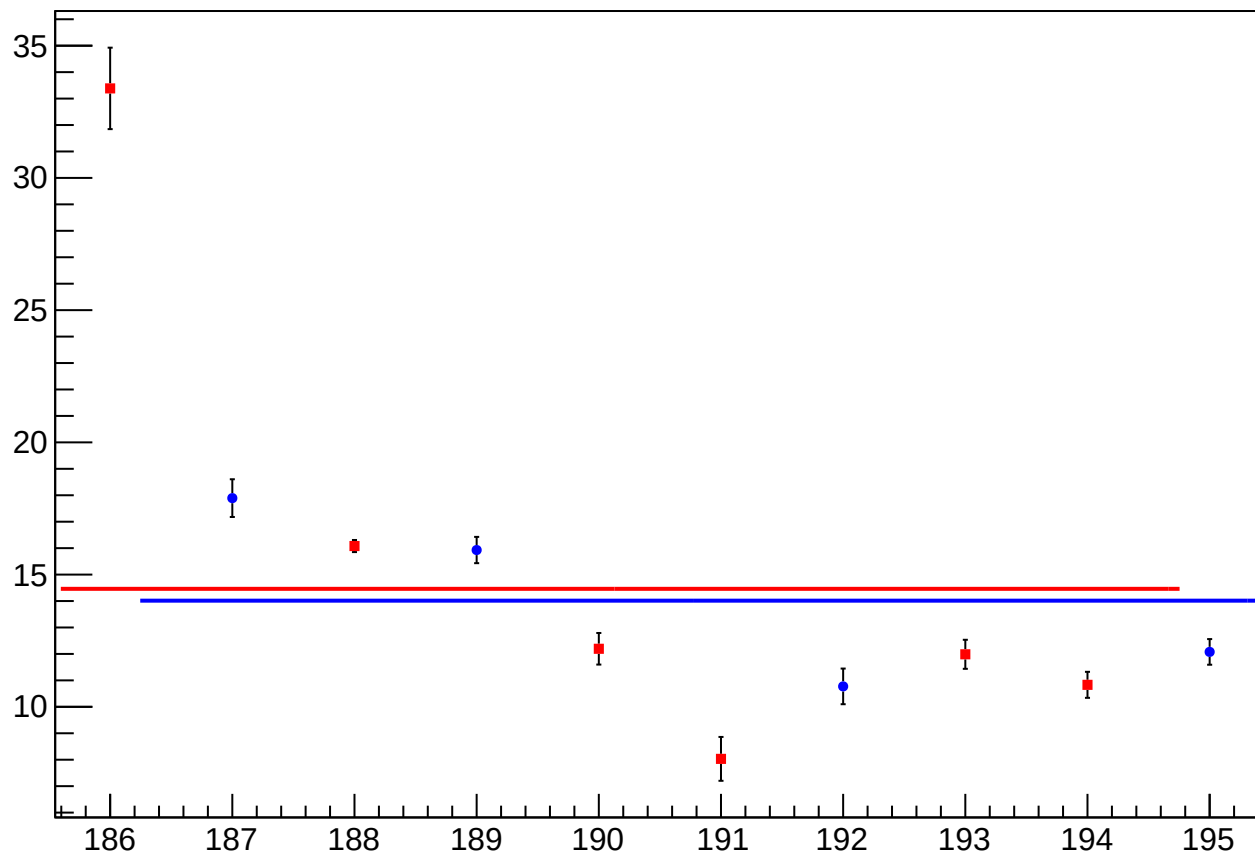
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-13.065 \pm 0.212$   $\chi^2/\text{NDF}$ : 3514.7/9

- 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: 14.462 $\pm$ 0.179  $\chi^2$ /NDF: 350.4/5

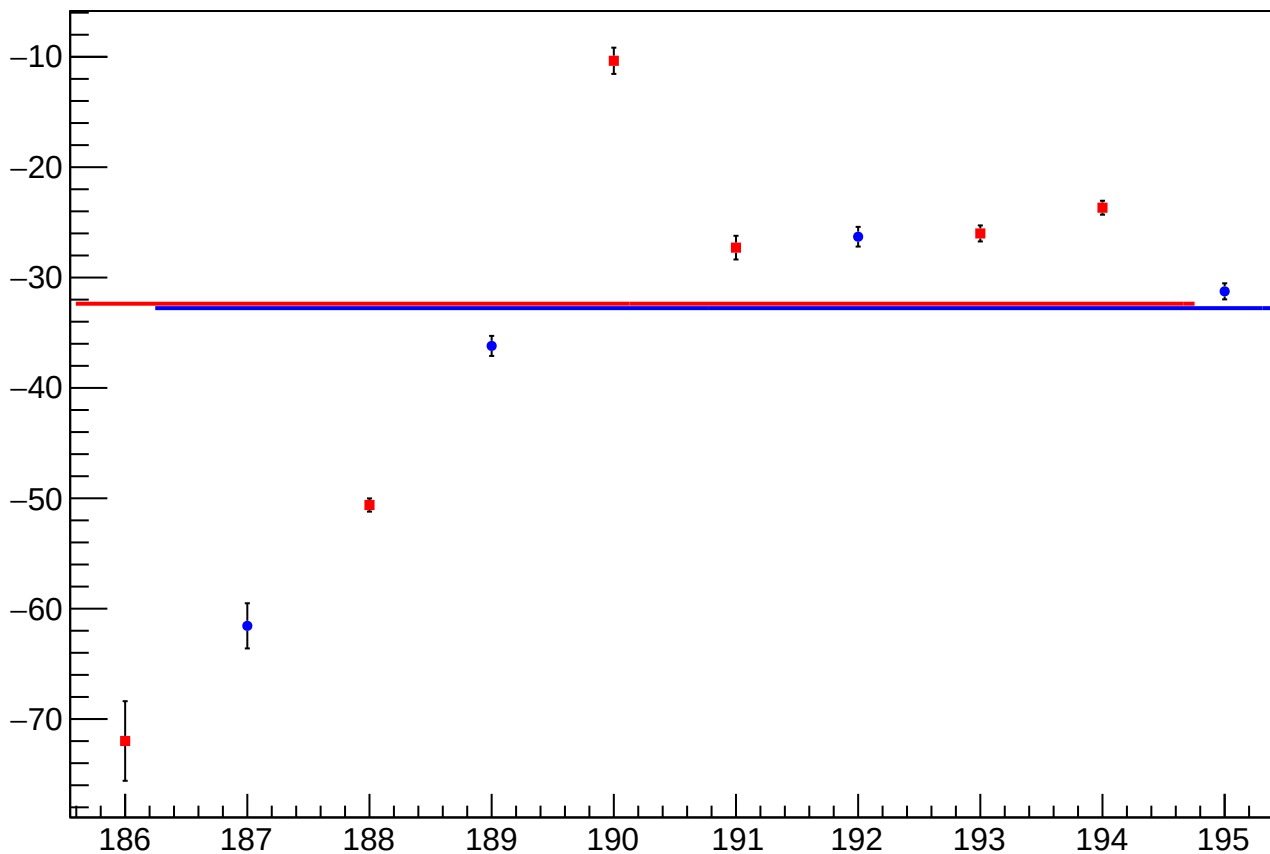
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 14.334 $\pm$ 0.151  $\chi^2$ /NDF: 435.7/9

- 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:  $-32.370 \pm 0.336$   $\chi^2/\text{NDF}$ : 1680.2/5

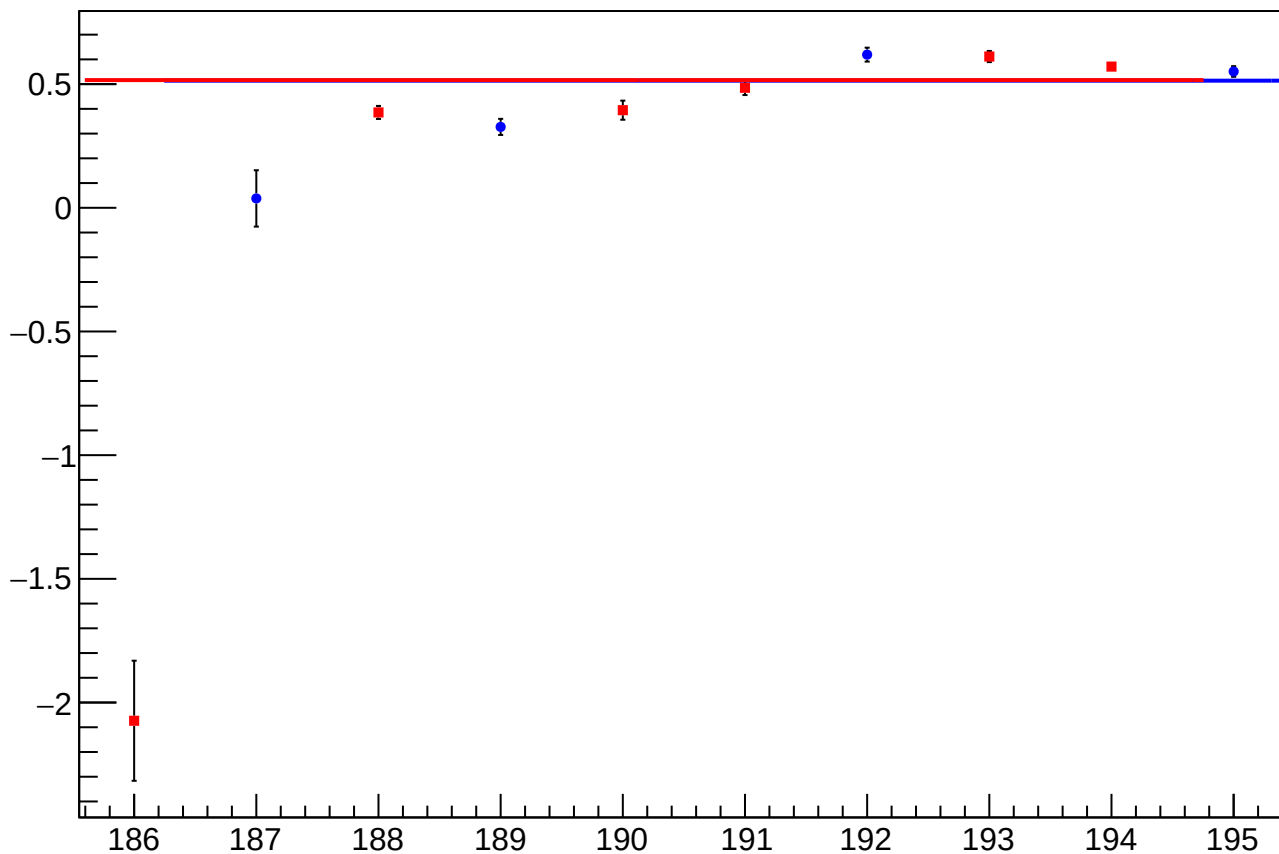
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-32.507 \pm 0.273$   $\chi^2/\text{NDF}$ : 1949.7/9

- 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: 0.516 $\pm$ 0.011  $\chi^2$ /NDF: 176.2/5

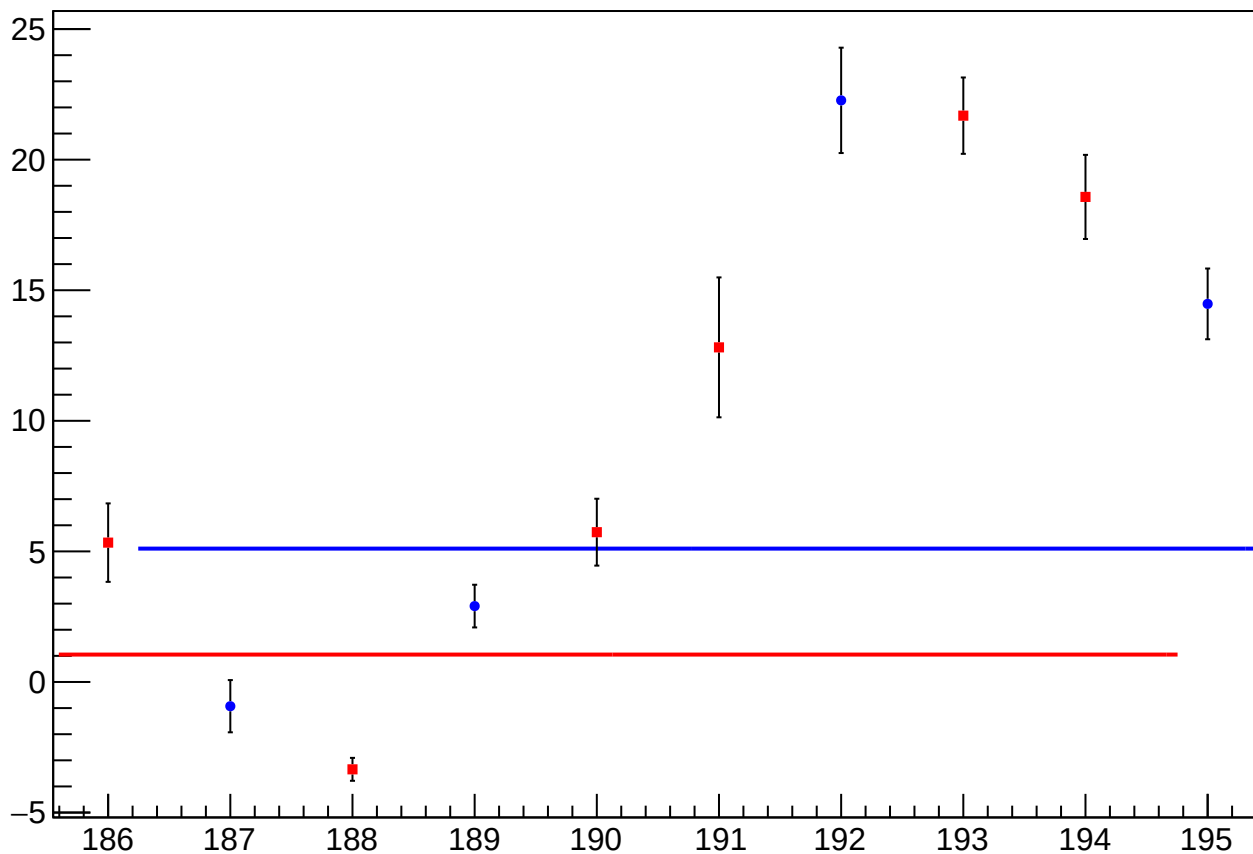
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.515 $\pm$ 0.009  $\chi^2$ /NDF: 243.6/9

- 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+/-0.552  $\chi^2/\text{NDF}$ : 163.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.049+/-0.372  $\chi^2/\text{NDF}$ : 458.7/5

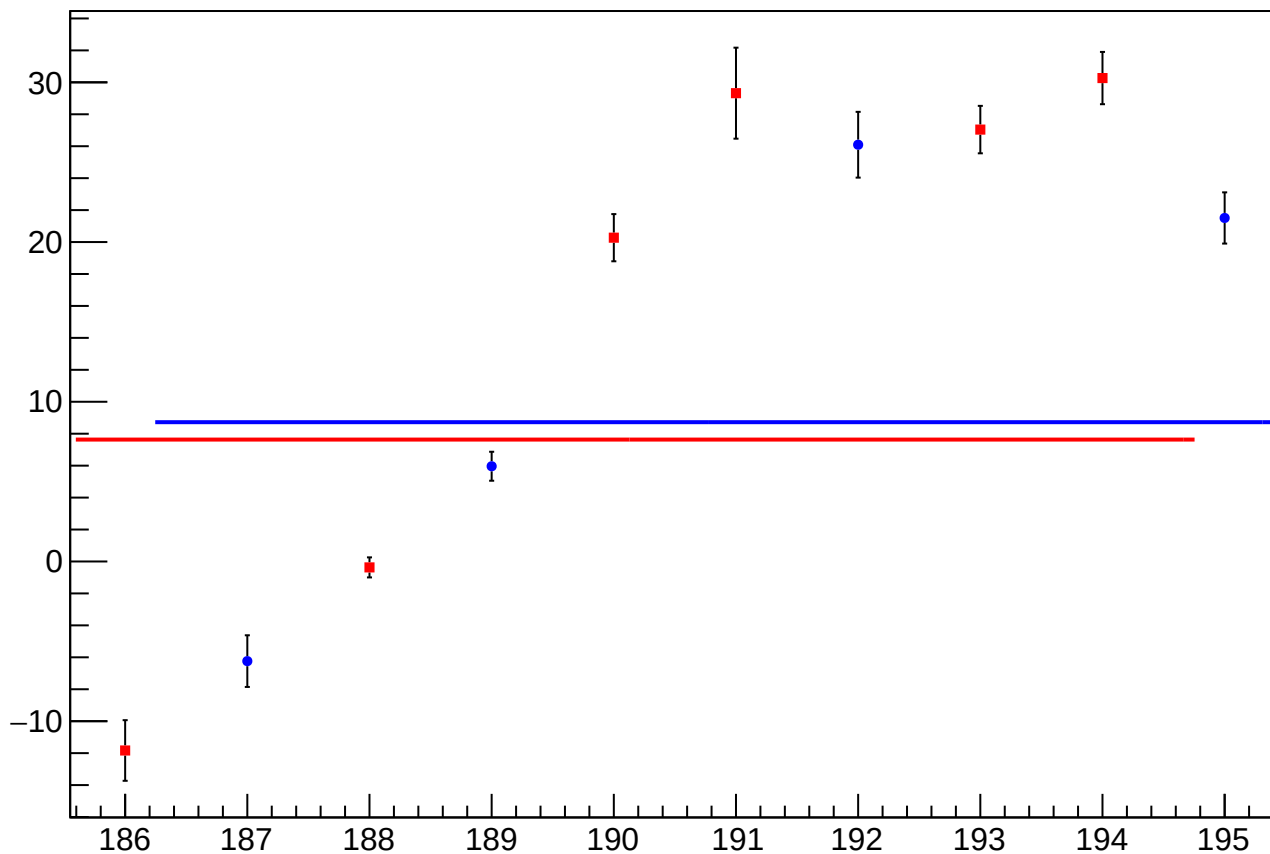
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.317+/-0.308  $\chi^2/\text{NDF}$ : 659.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 7.633+/-0.487  $\chi^2/\text{NDF}$ : 760.8/5

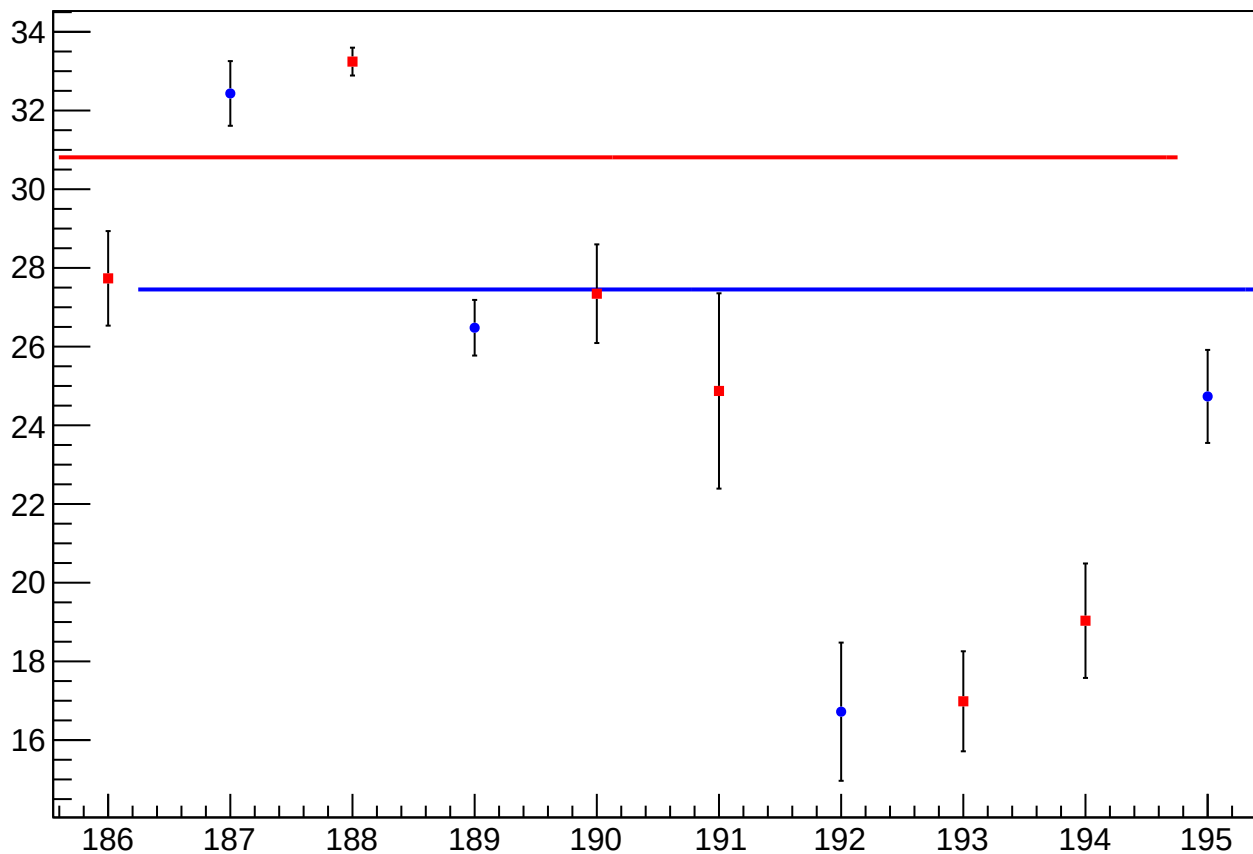
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.008+/-0.394  $\chi^2/\text{NDF}$ : 992.0/9

- 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: 30.810 $\pm$ 0.308  $\chi^2$ /NDF: 251.0/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

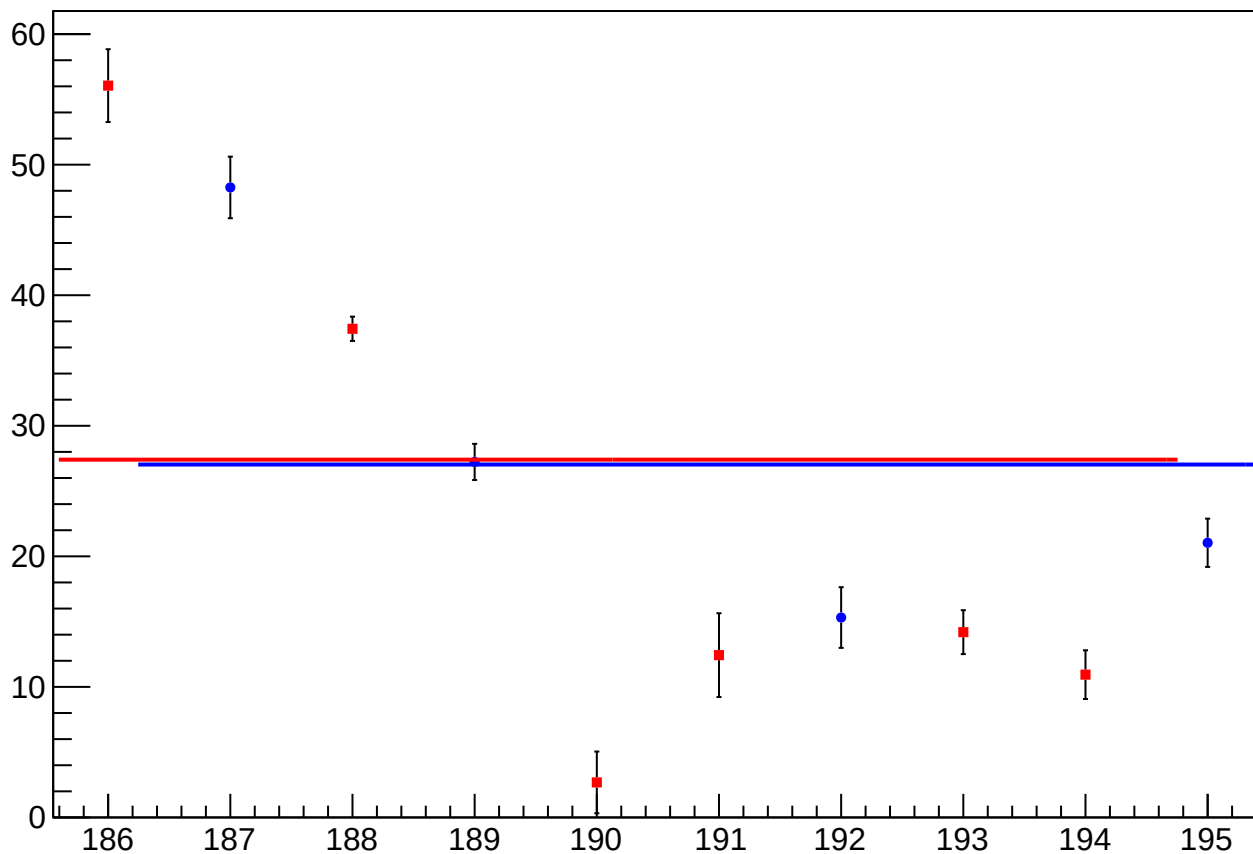
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 29.804 $\pm$ 0.257  $\chi^2$ /NDF: 367.9/9

- 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: 27.406+/-0.674  $\chi^2$ /NDF: 492.3/5

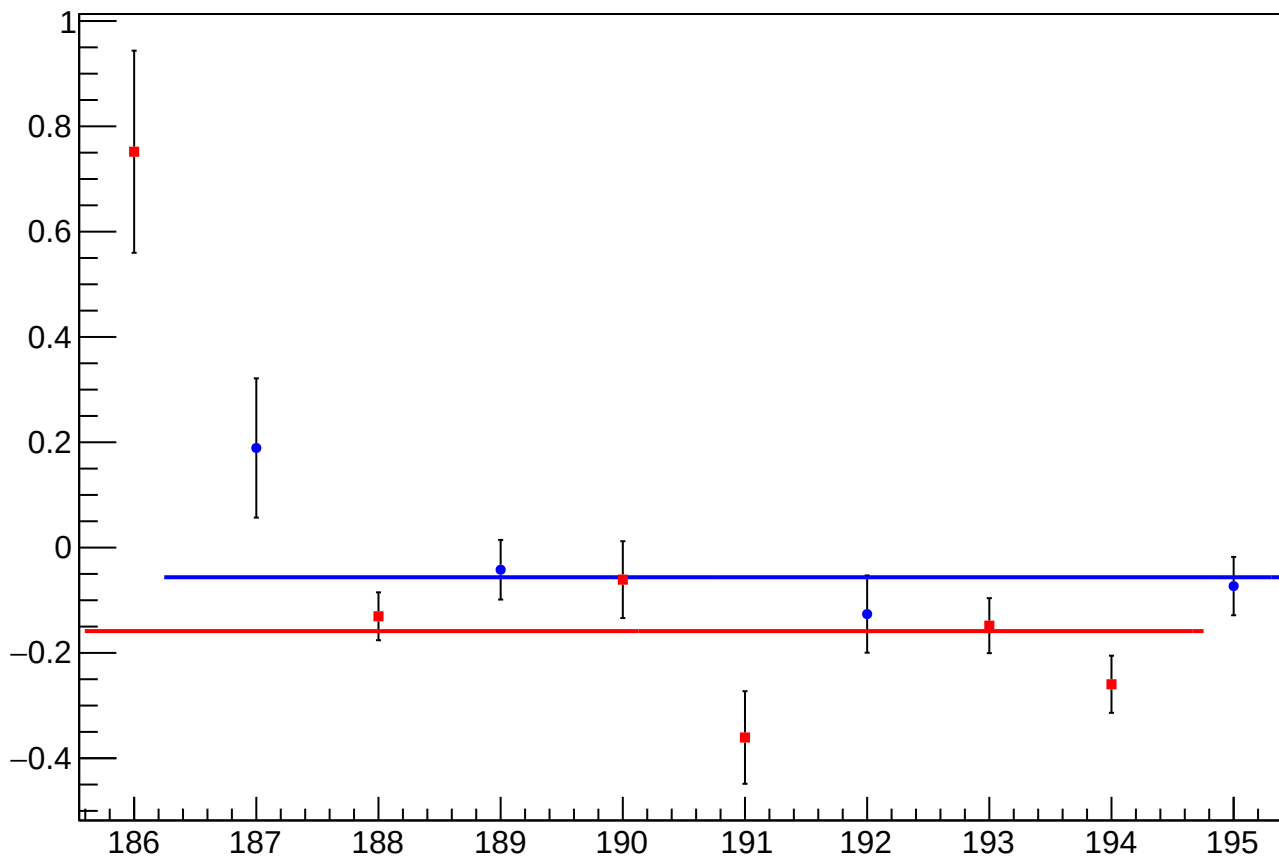
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 27.276+/-0.544  $\chi^2$ /NDF: 609.3/9

- 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:  $-0.159 \pm 0.026$   $\chi^2/\text{NDF}$ : 33.5/5

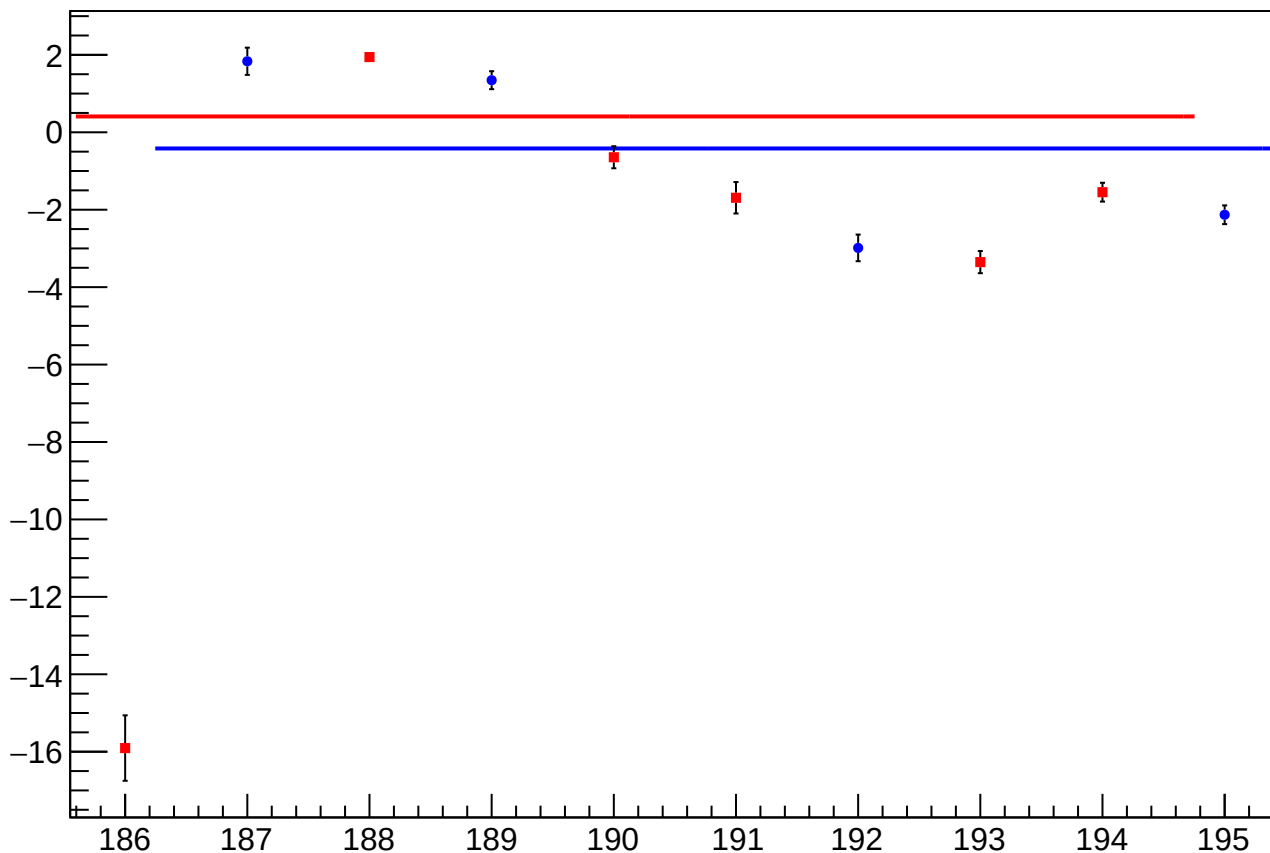
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.121 \pm 0.020$   $\chi^2/\text{NDF}$ : 43.8/9

- 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:  $0.409 \pm 0.087$   $\chi^2/\text{NDF}: 846.1/5$

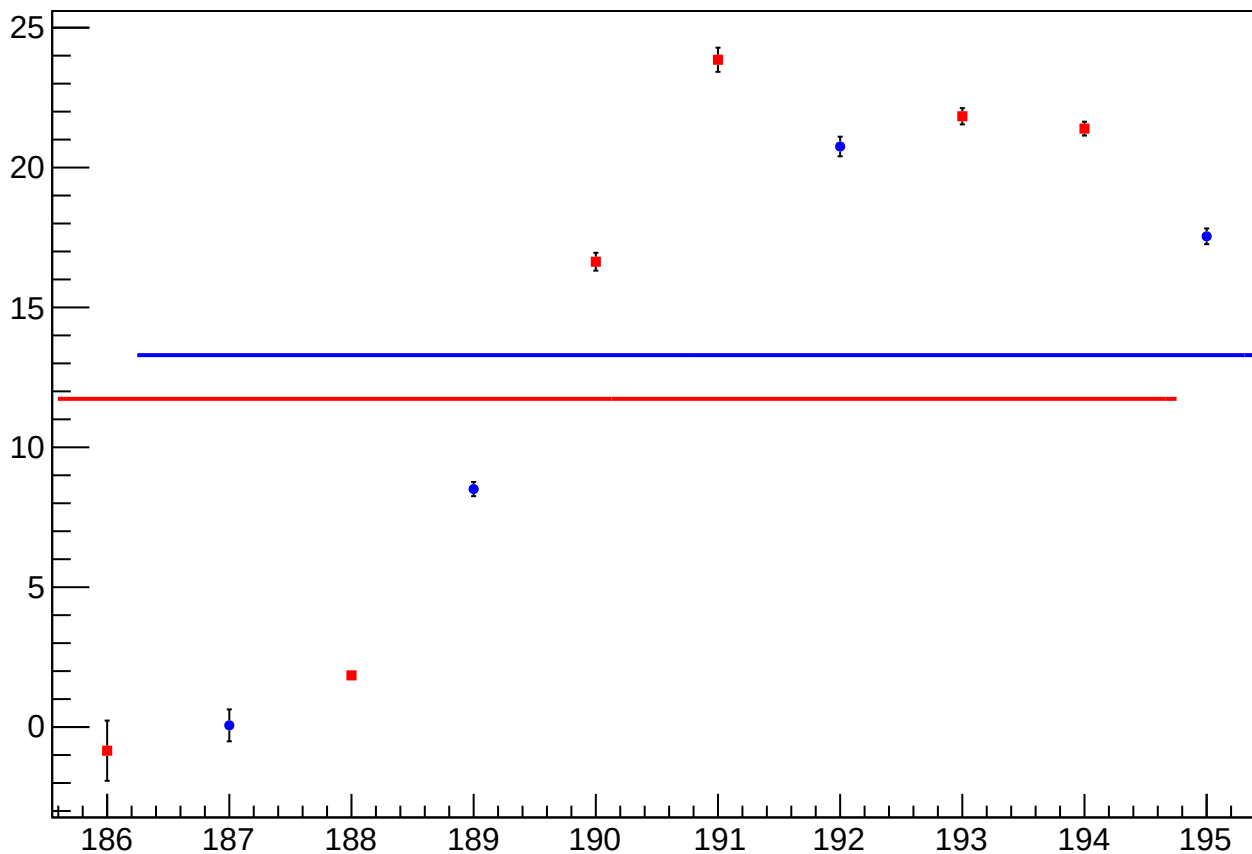
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $0.175 \pm 0.074$   $\chi^2/\text{NDF}: 1076.3/9$

- 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+/-0.159  $\chi^2$ /NDF: 1572.6/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 11.732+/-0.110  $\chi^2$ /NDF: 7640.6/5

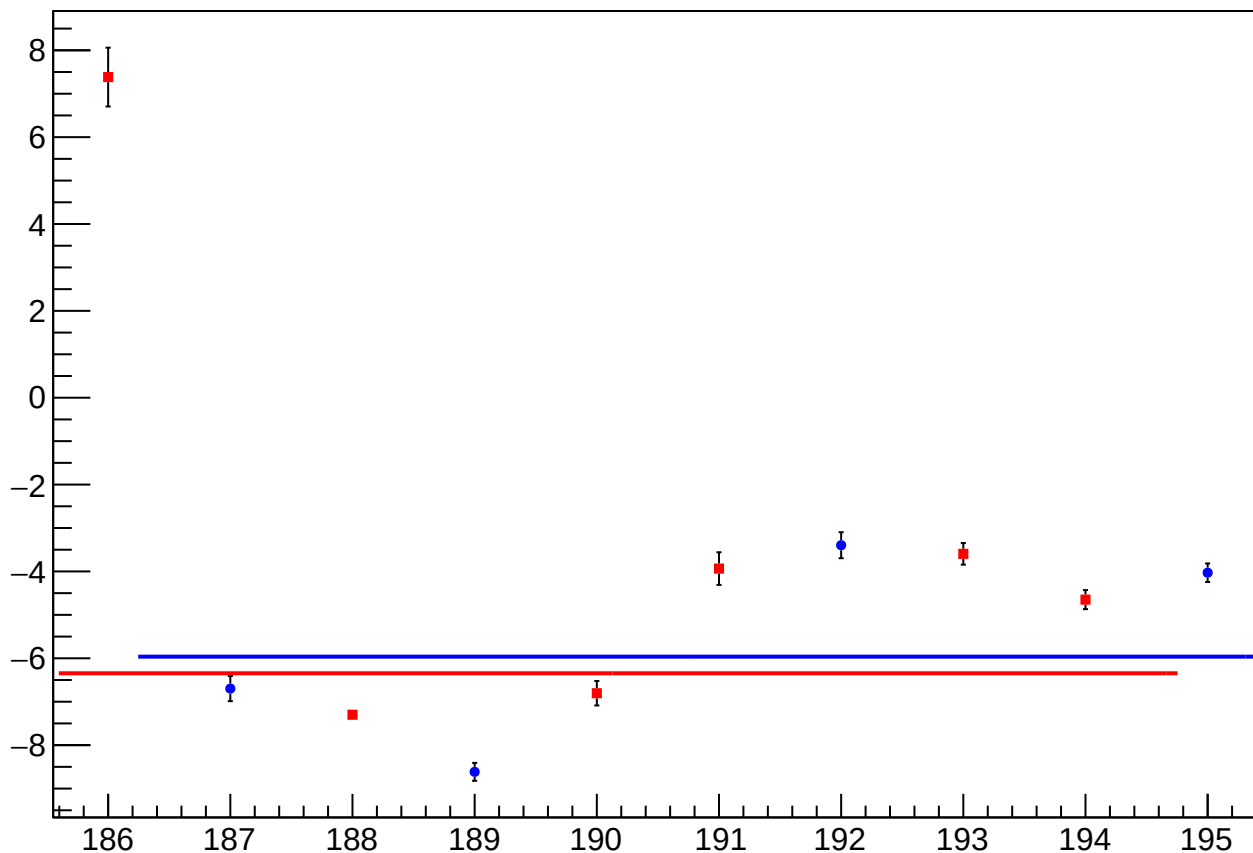
Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 12.236+/-0.091  $\chi^2$ /NDF: 9278.4/9

- sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: -5.962 $\pm$ 0.121  $\chi^2$ /NDF: 327.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -6.345 $\pm$ 0.073  $\chi^2$ /NDF: 751.7/5

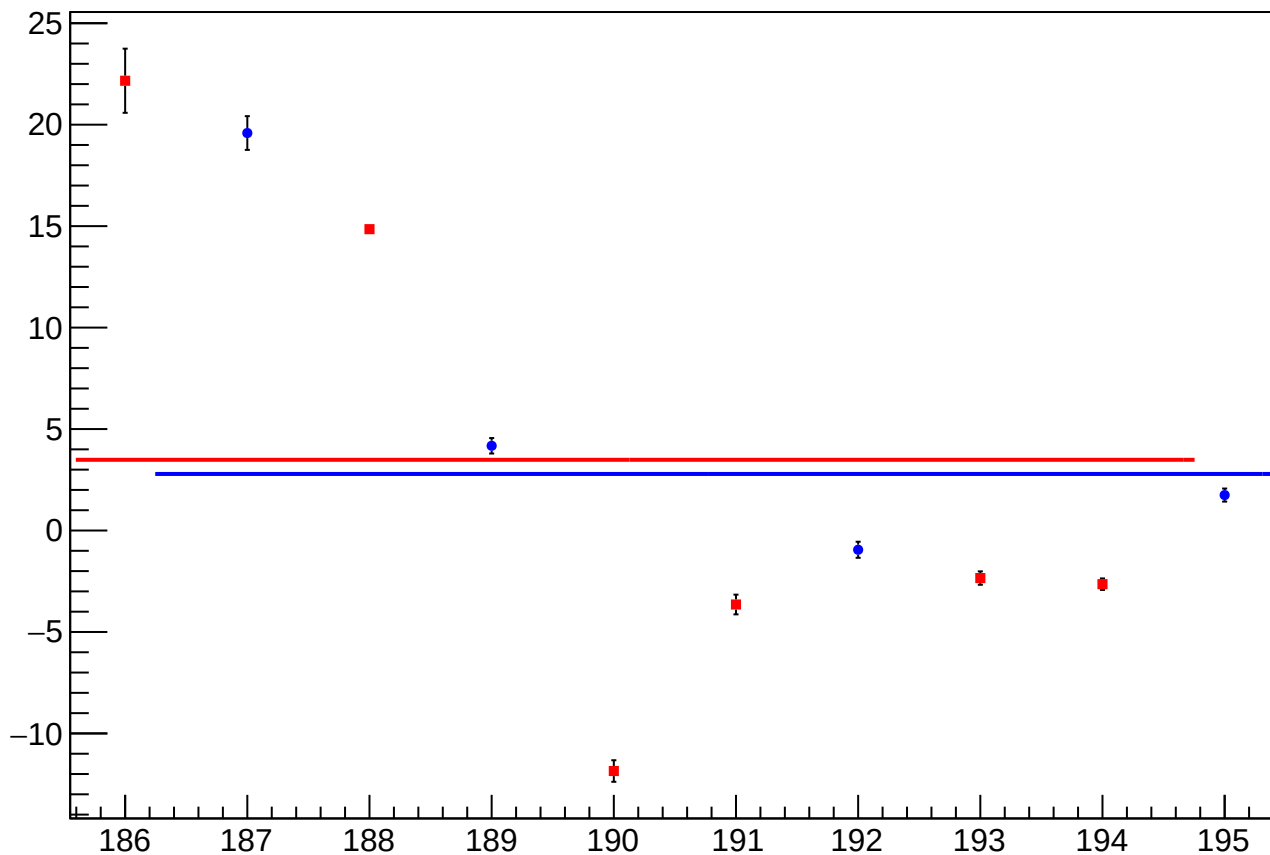
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -6.242 $\pm$ 0.063  $\chi^2$ /NDF: 1086.4/9

- 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: 3.485 $\pm$ 0.144  $\chi^2$ /NDF: 4333.1/5

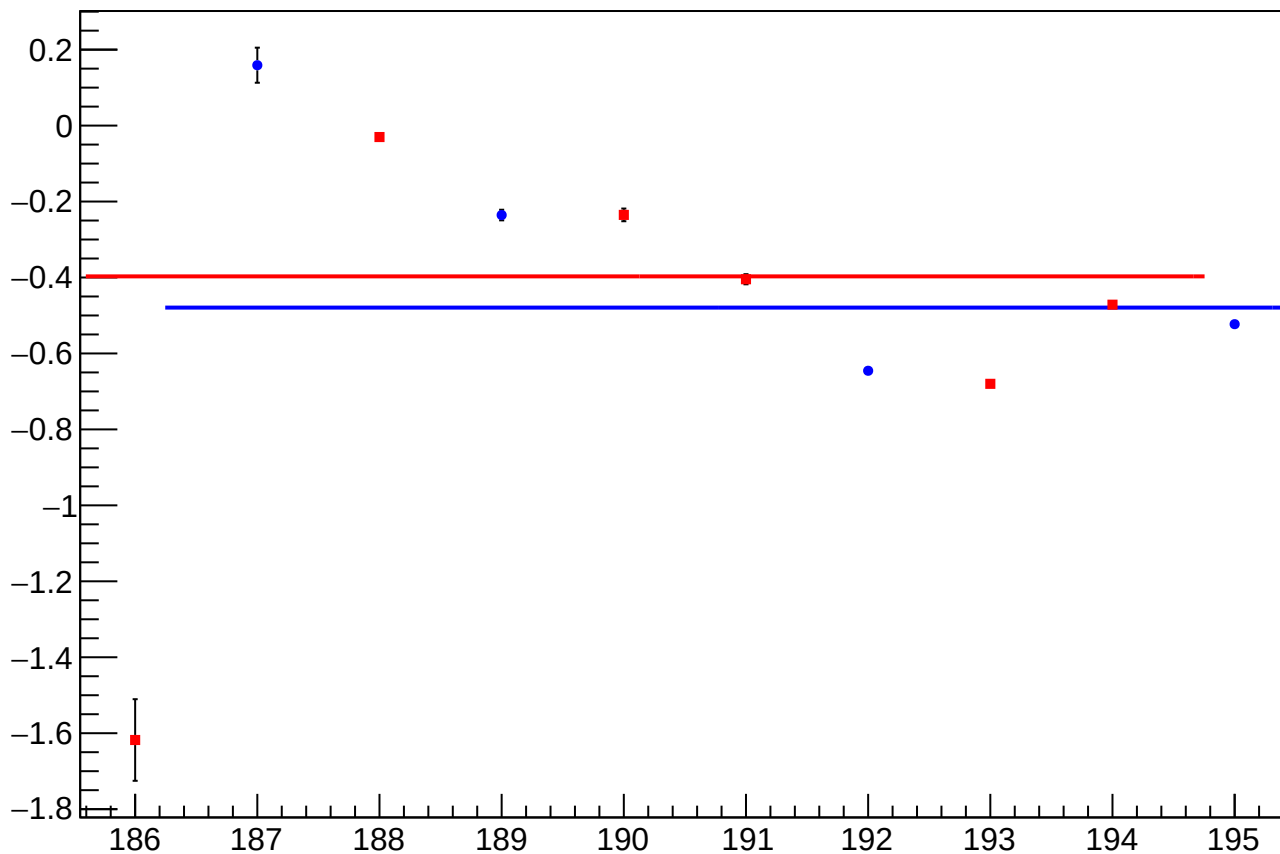
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.251 $\pm$ 0.117  $\chi^2$ /NDF: 4862.3/9

- 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:  $-0.479 \pm 0.007$   $\chi^2/\text{NDF}$ : 693.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.397 \pm 0.005$   $\chi^2/\text{NDF}$ : 2311.5/5

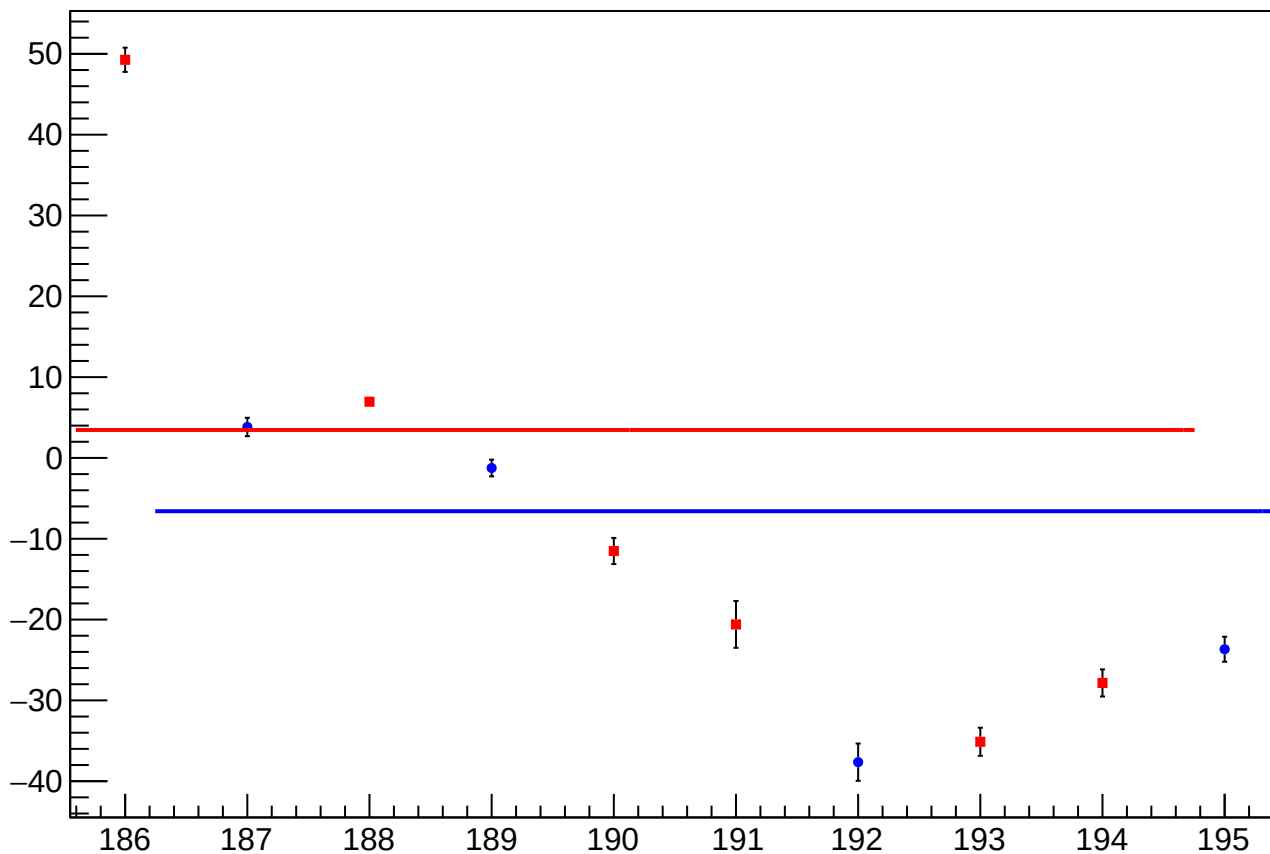
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.426 \pm 0.004$   $\chi^2/\text{NDF}$ : 3105.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_sam\_1357\_avg\_diff\_bpm1X\_slope vs Slug



Right In: -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: 3.463 $\pm$ 0.443  $\chi^2$ /NDF: 1970.5/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

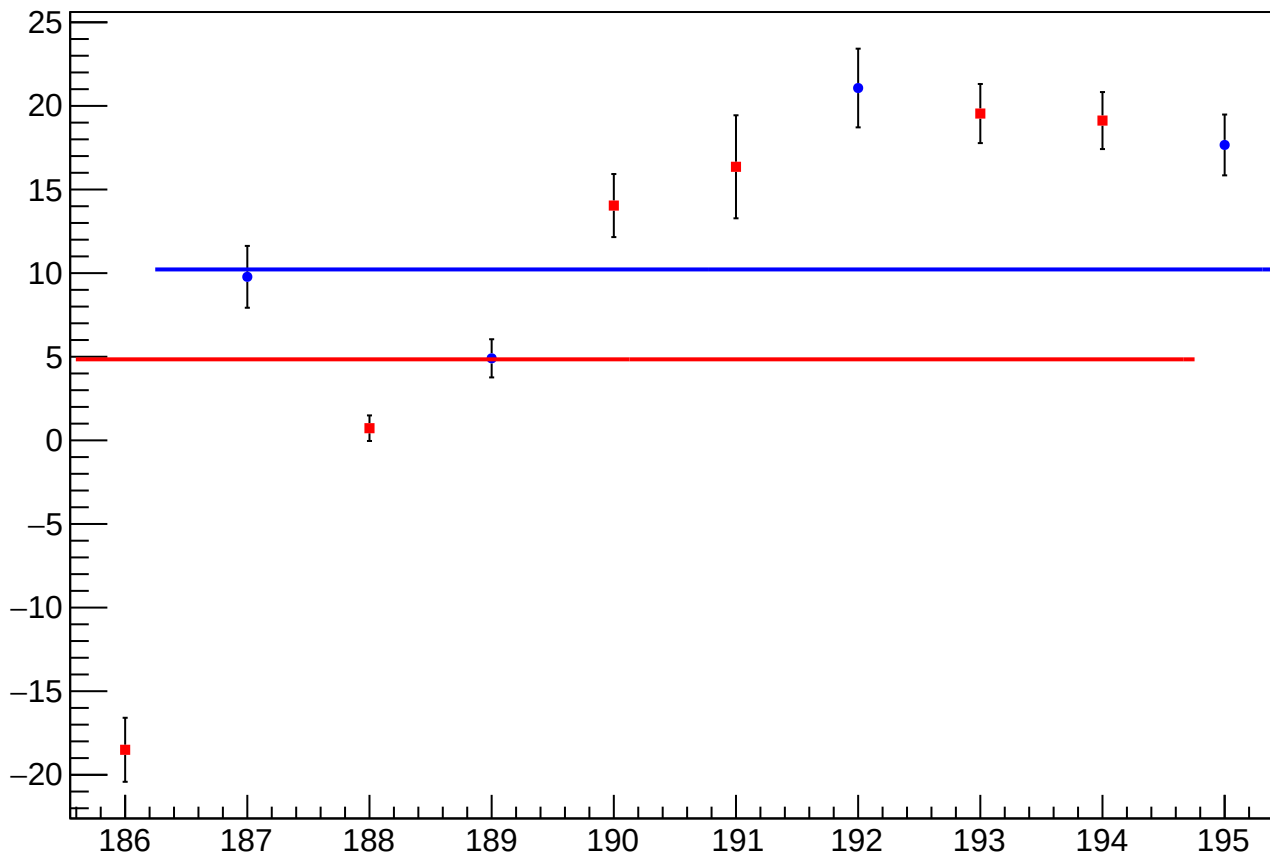
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.329 $\pm$ 0.367  $\chi^2$ /NDF: 2544.7/9

- 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: 4.845 $\pm$ 0.574  $\chi^2$ /NDF: 354.8/5

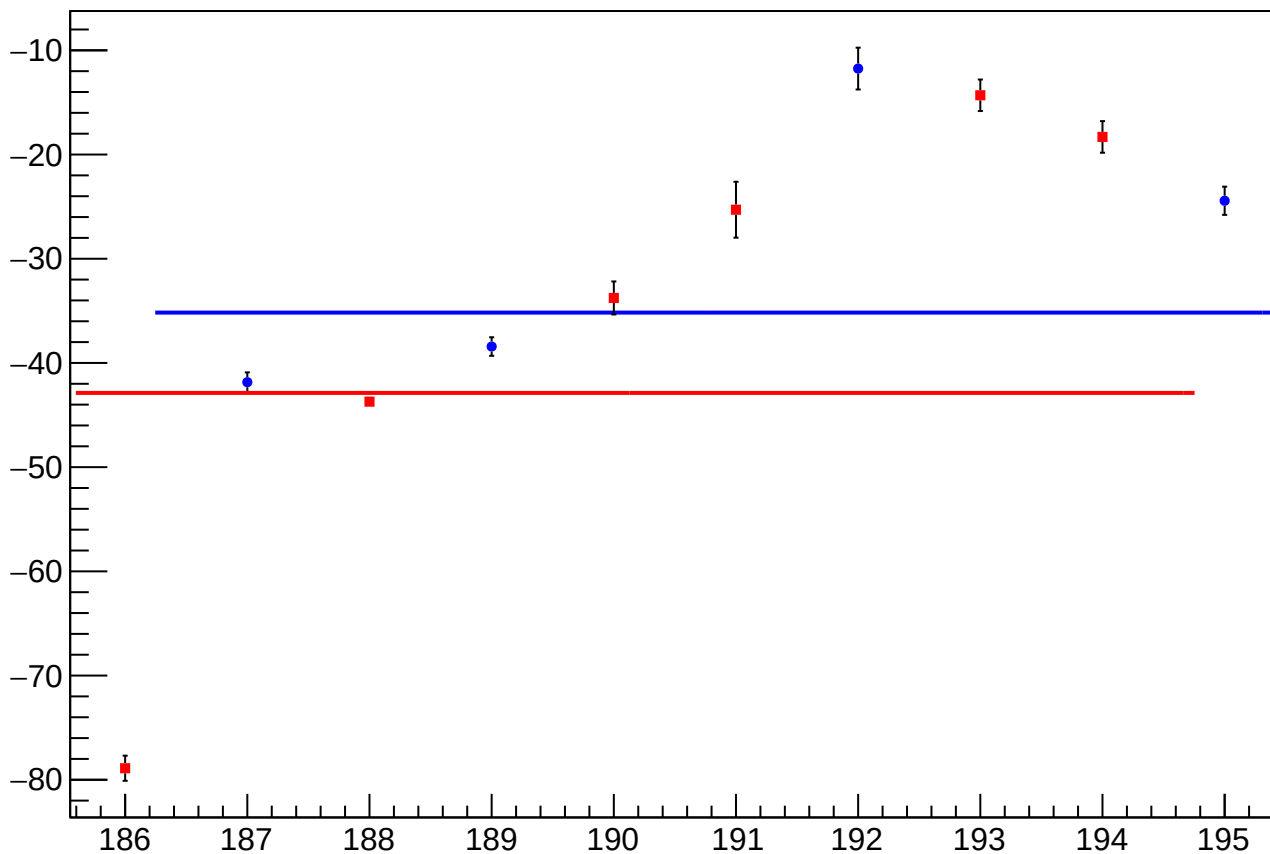
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.657 $\pm$ 0.467  $\chi^2$ /NDF: 444.2/9

- 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: -42.875+/-0.367  $\chi^2/\text{NDF}$ : 1592.4/5

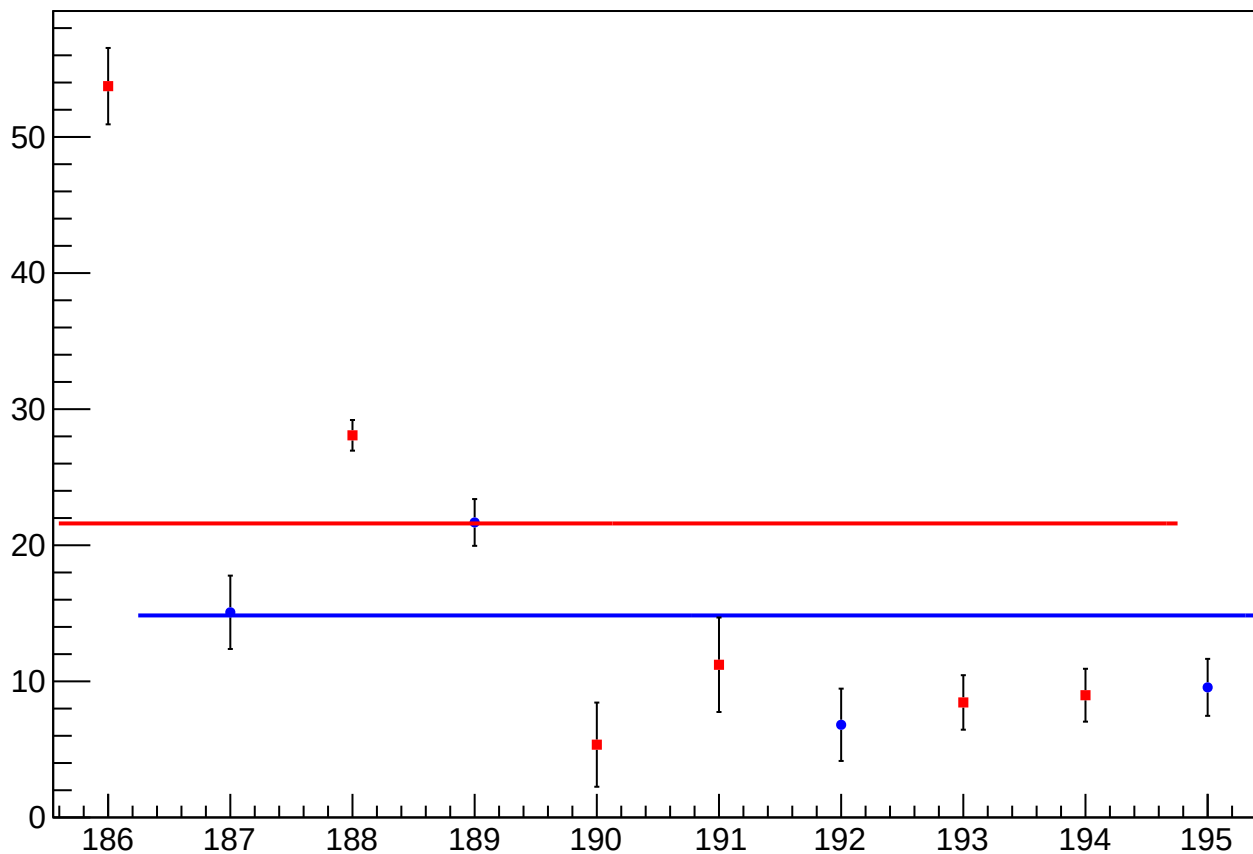
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -40.559+/-0.307  $\chi^2/\text{NDF}$ : 1987.9/9

- 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: 21.603 $\pm$ 0.786  $\chi^2$ /NDF: 286.1/5

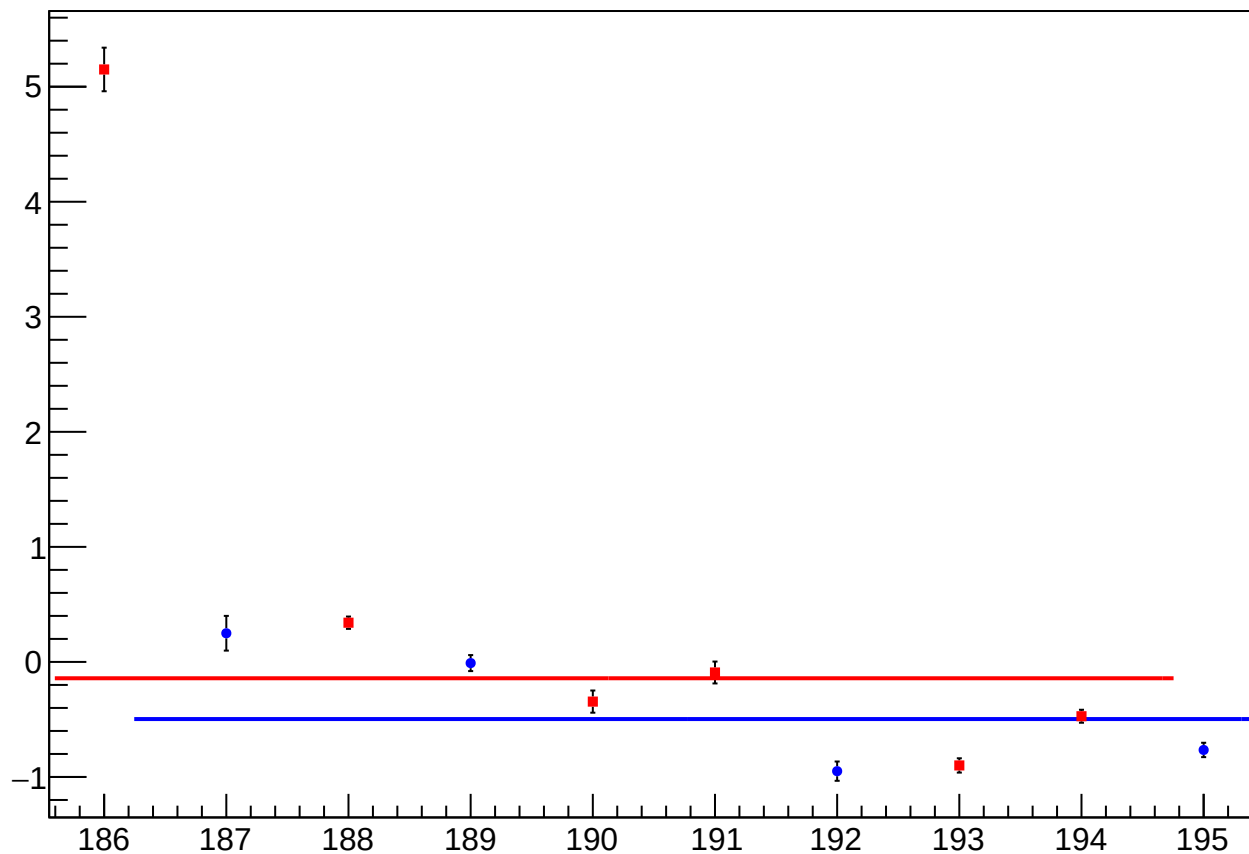
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 19.282 $\pm$ 0.637  $\chi^2$ /NDF: 342.8/9

- 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:  $-0.142 \pm 0.029$   $\chi^2/\text{NDF}$ : 1049.3/5

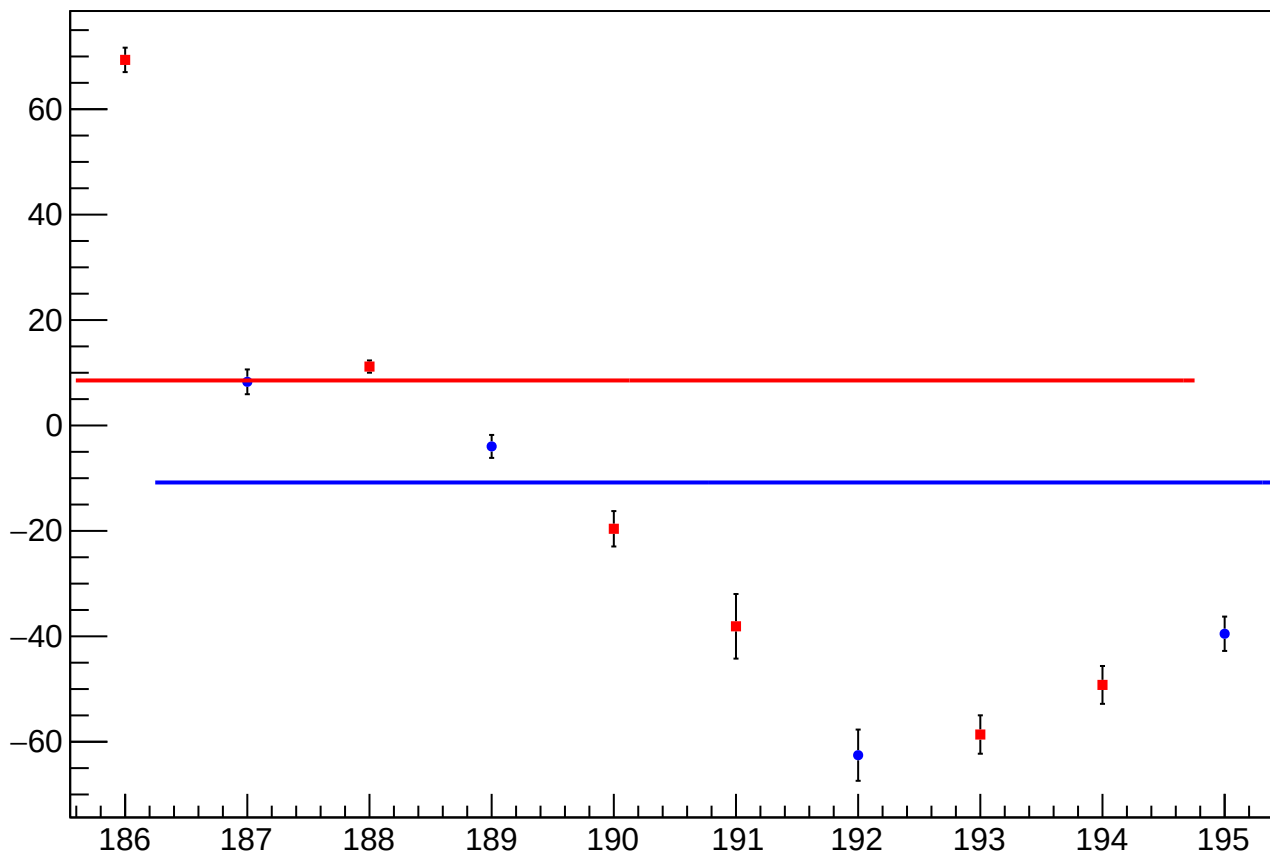
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.269 \pm 0.023$   $\chi^2/\text{NDF}$ : 1222.7/9

- 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:  $-10.813 \pm 1.376$   $\chi^2/\text{NDF}$ : 266.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $8.541 \pm 0.914$   $\chi^2/\text{NDF}$ : 1420.5/5

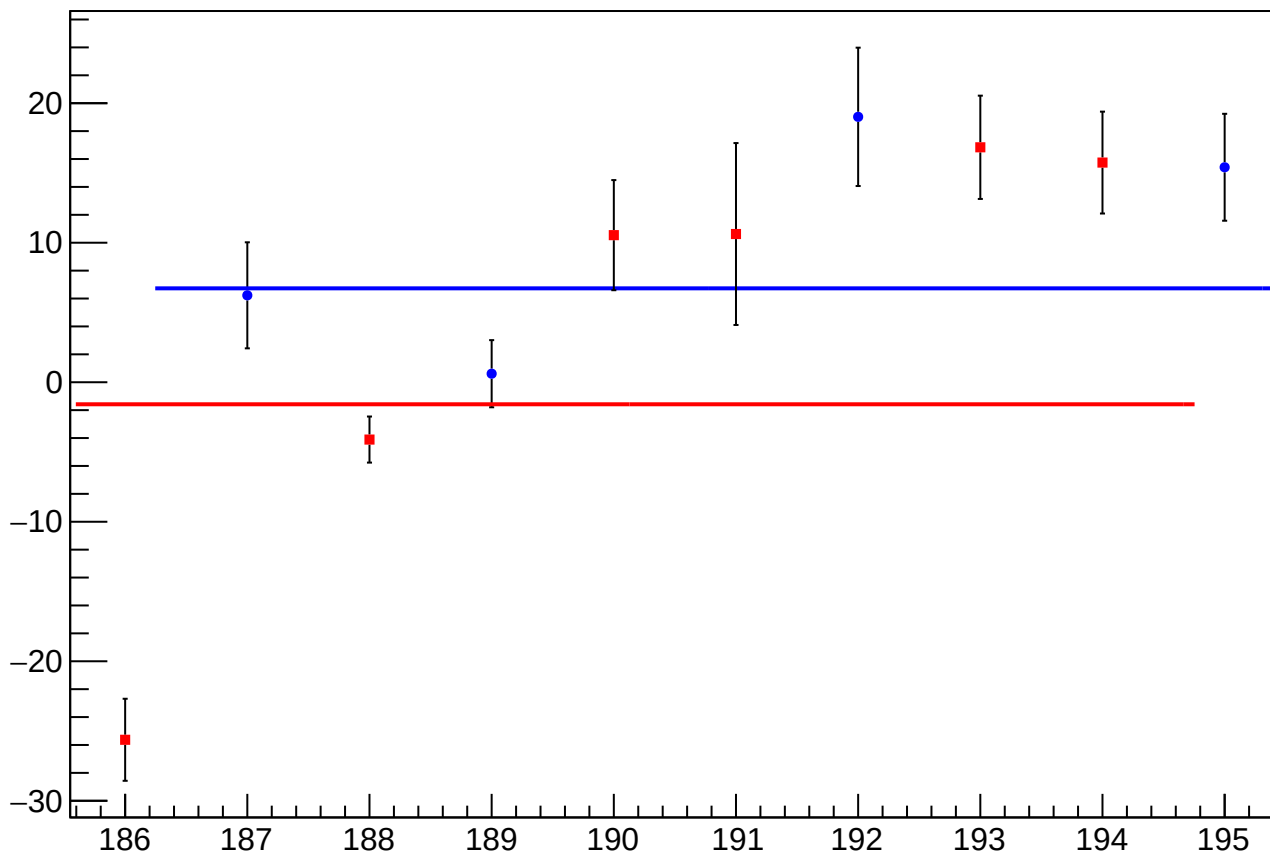
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $2.611 \pm 0.761$   $\chi^2/\text{NDF}$ : 1824.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 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: -1.580 $\pm$ 1.180  $\chi^2$ /NDF: 129.5/5

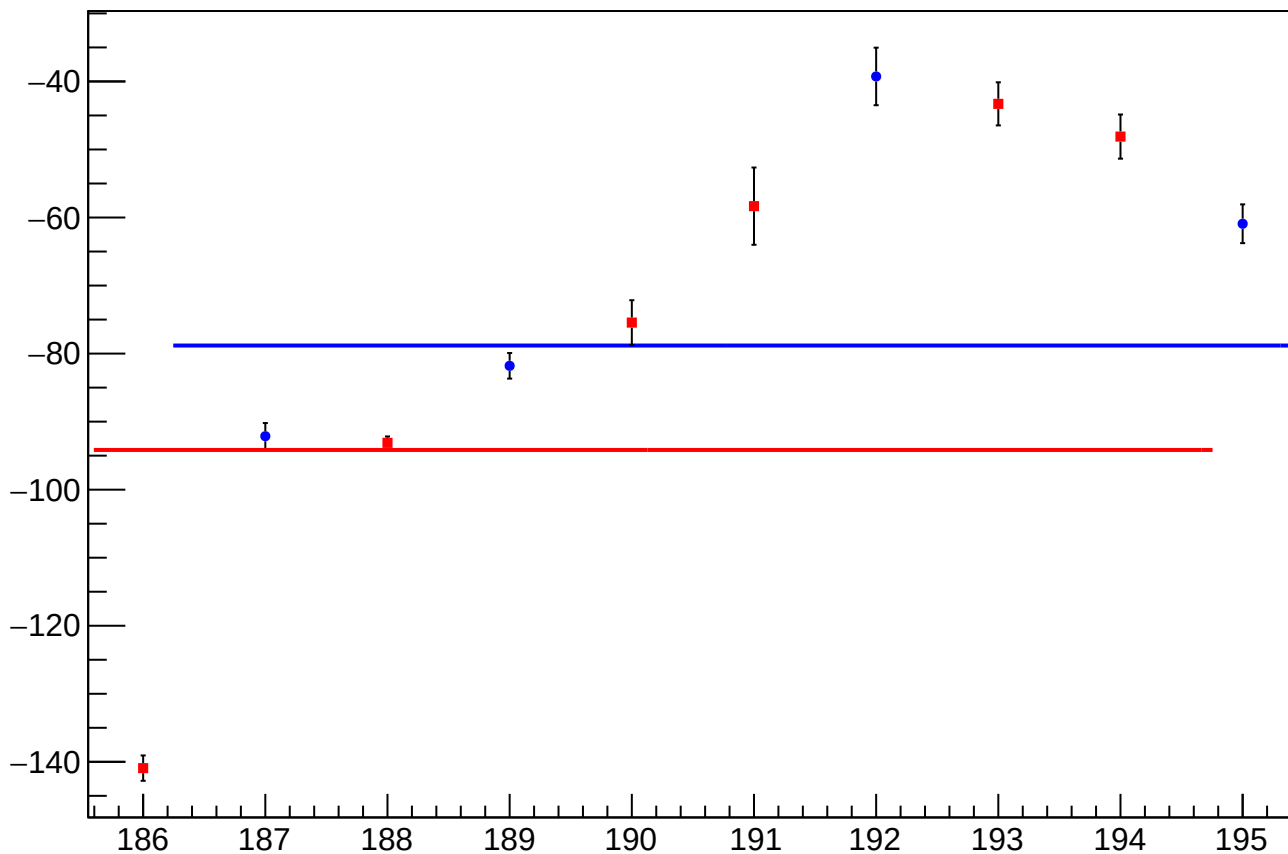
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 1.147 $\pm$ 0.967  $\chi^2$ /NDF: 163.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug



Right In:  $-78.816 \pm 1.170$   $\chi^2/\text{NDF}$ : 176.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-94.162 \pm 0.757$   $\chi^2/\text{NDF}$ : 1163.3/5

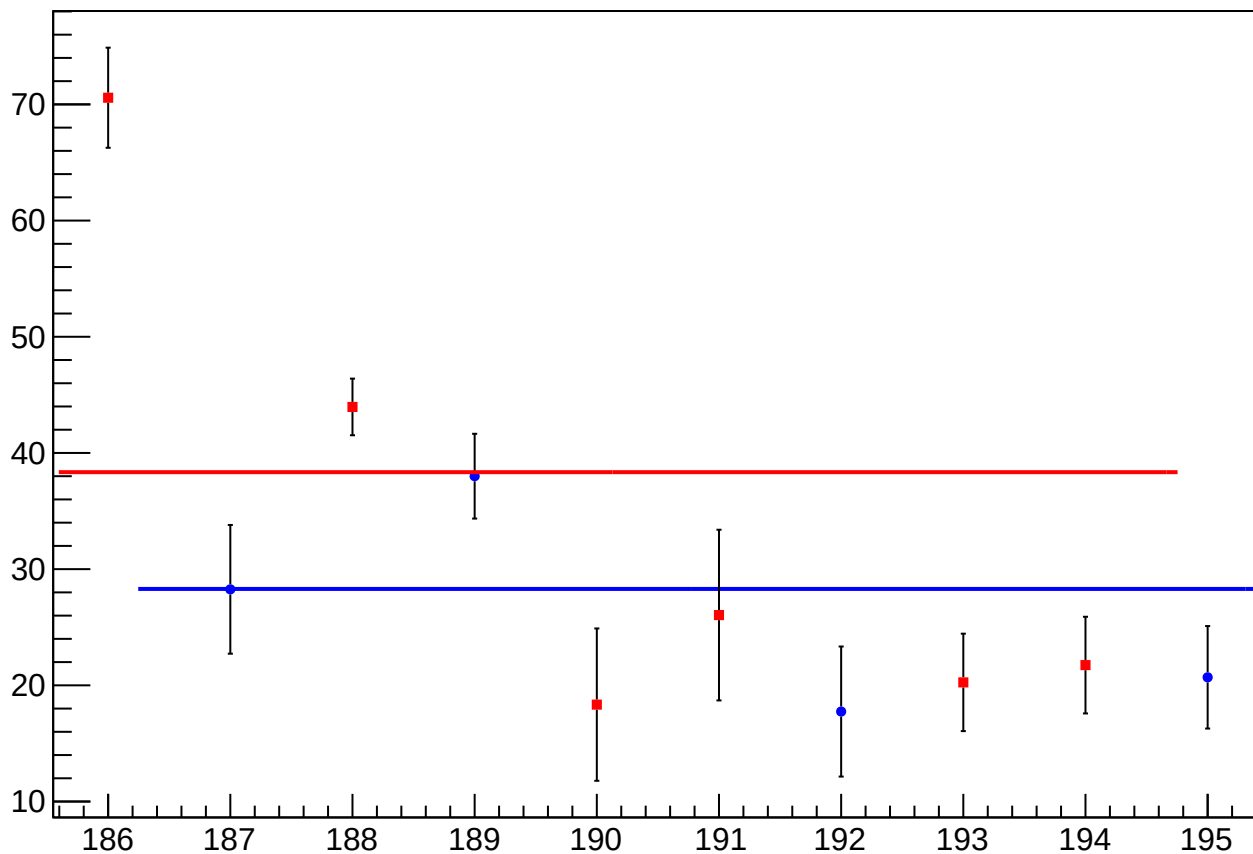
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-89.637 \pm 0.636$   $\chi^2/\text{NDF}$ : 1461.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 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: 38.346 $\pm$ 1.625  $\chi^2$ /NDF: 107.9/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

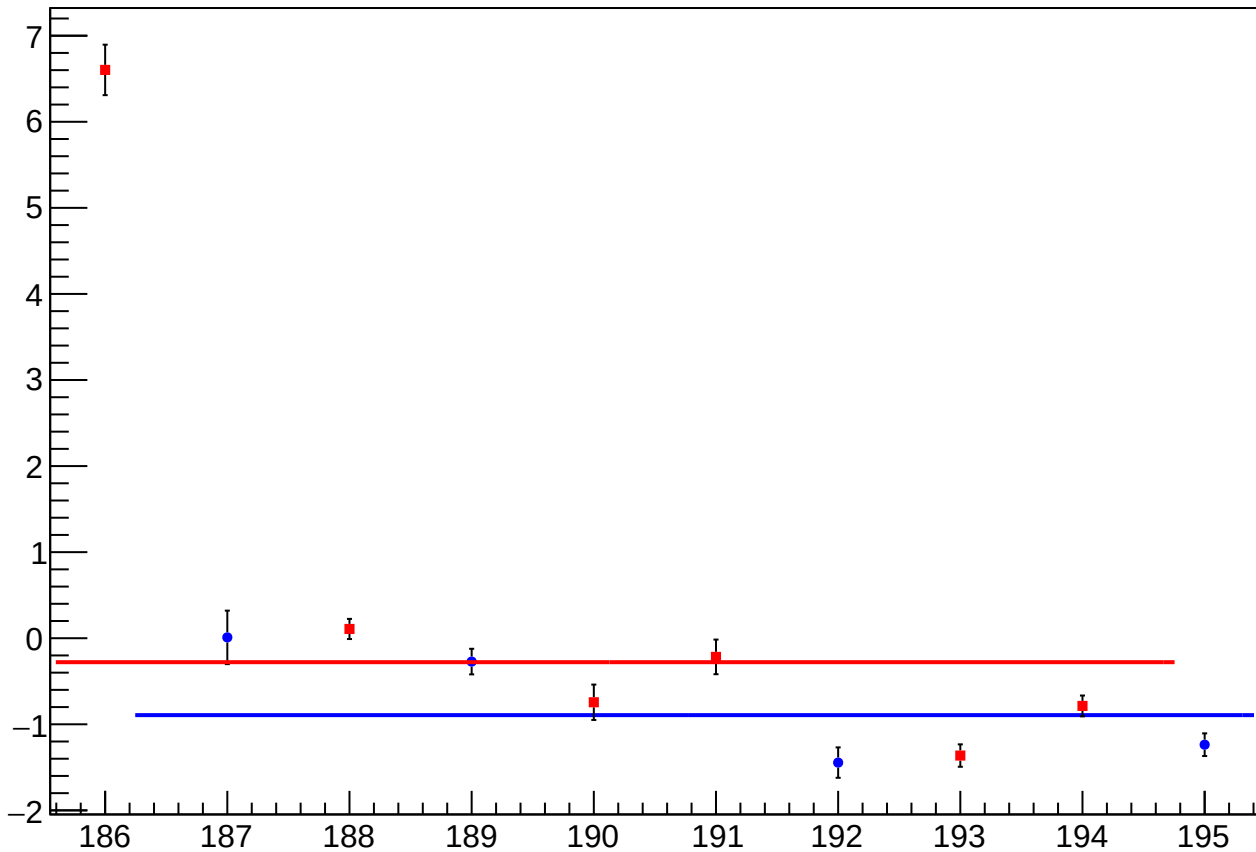
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 34.977 $\pm$ 1.325  $\chi^2$ /NDF: 134.4/9

- 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:  $-0.278 \pm 0.062$   $\chi^2/\text{NDF}$ : 653.9/5

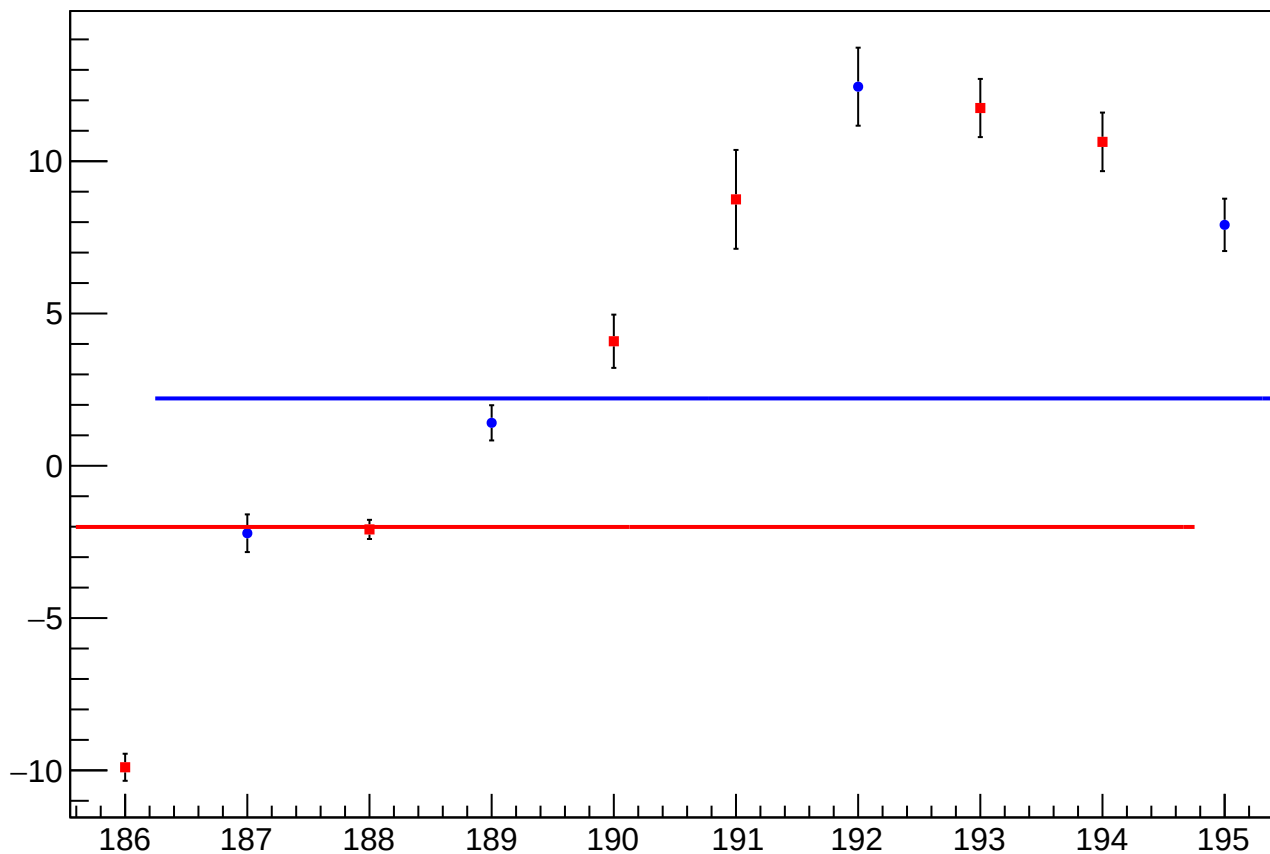
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.499 \pm 0.050$   $\chi^2/\text{NDF}$ : 731.7/9

- 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: -2.008+/-0.229  $\chi^2/\text{NDF}$ : 788.2/5

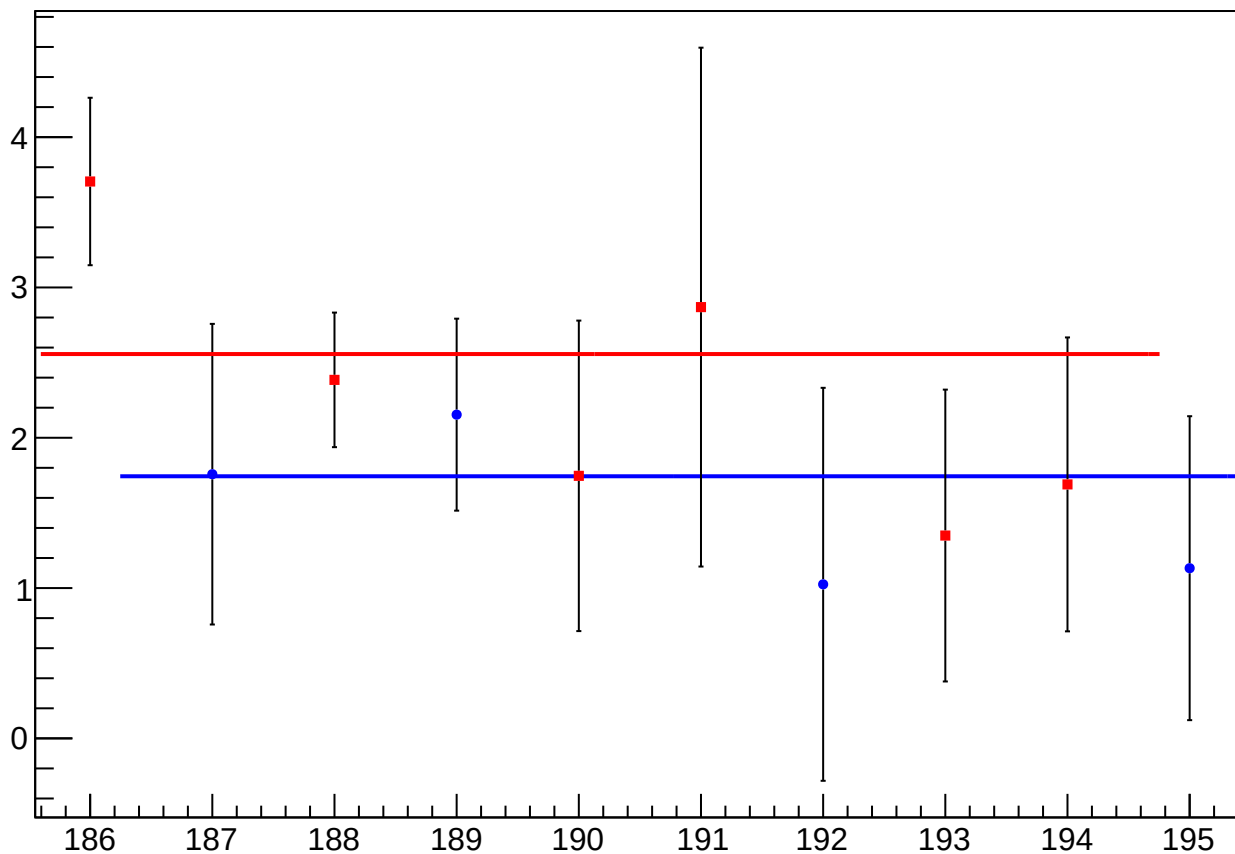
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.808+/-0.194  $\chi^2/\text{NDF}$ : 1045.5/9

- 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: 2.557 $\pm$ 0.294  $\chi^2$ /NDF: 7.4/5

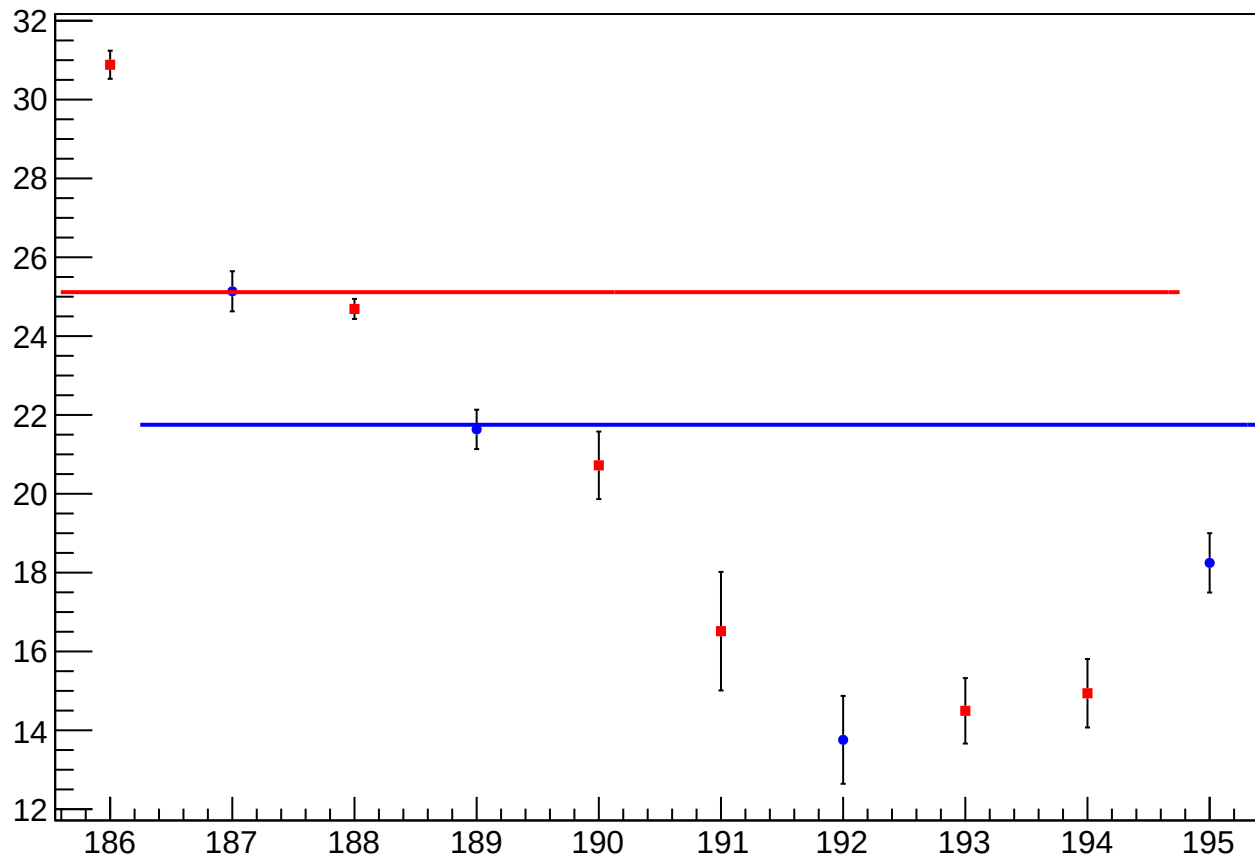
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.311 $\pm$ 0.245  $\chi^2$ /NDF: 10.8/9

- 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: 25.115 $\pm$ 0.189  $\chi^2$ /NDF: 623.7/5

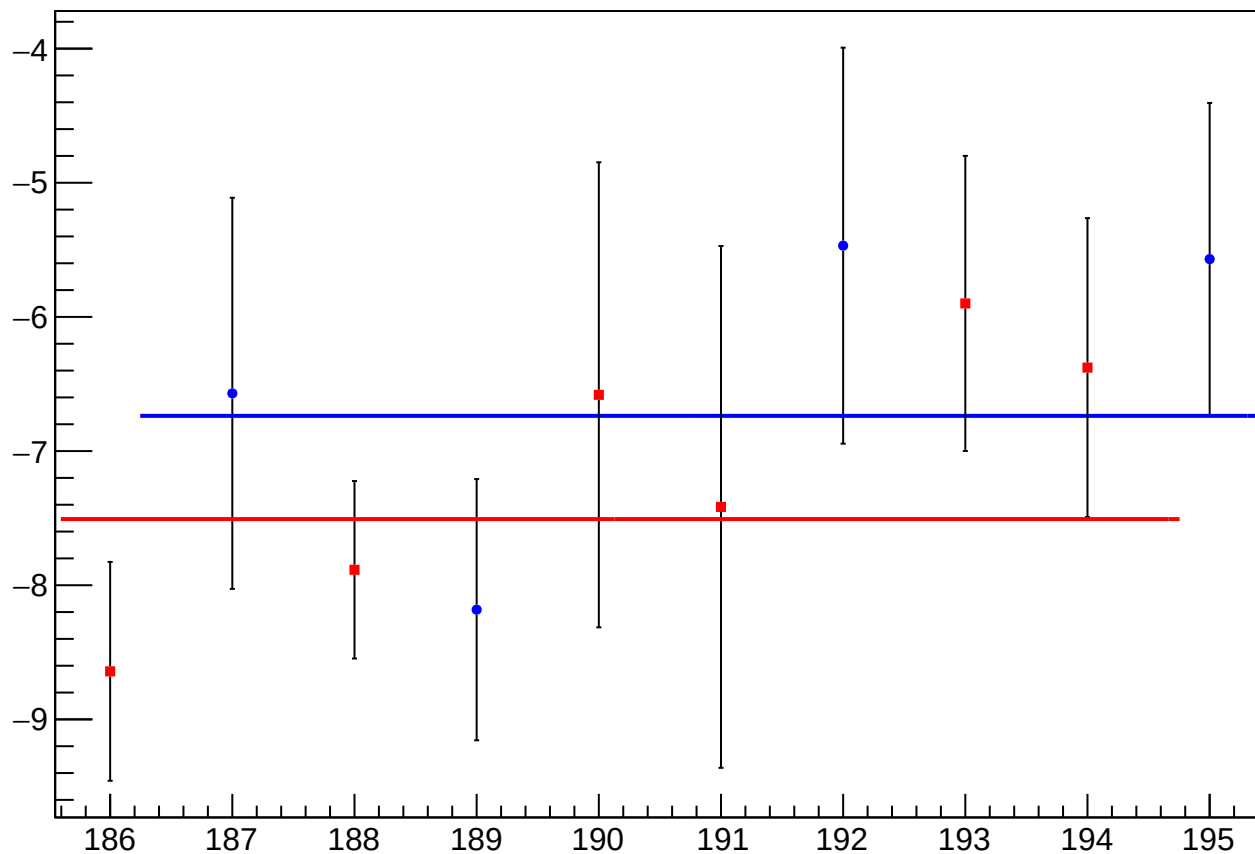
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 24.200 $\pm$ 0.161  $\chi^2$ /NDF: 827.1/9

- 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: -7.507 $\pm$ 0.408  $\chi^2$ /NDF: 5.7/5

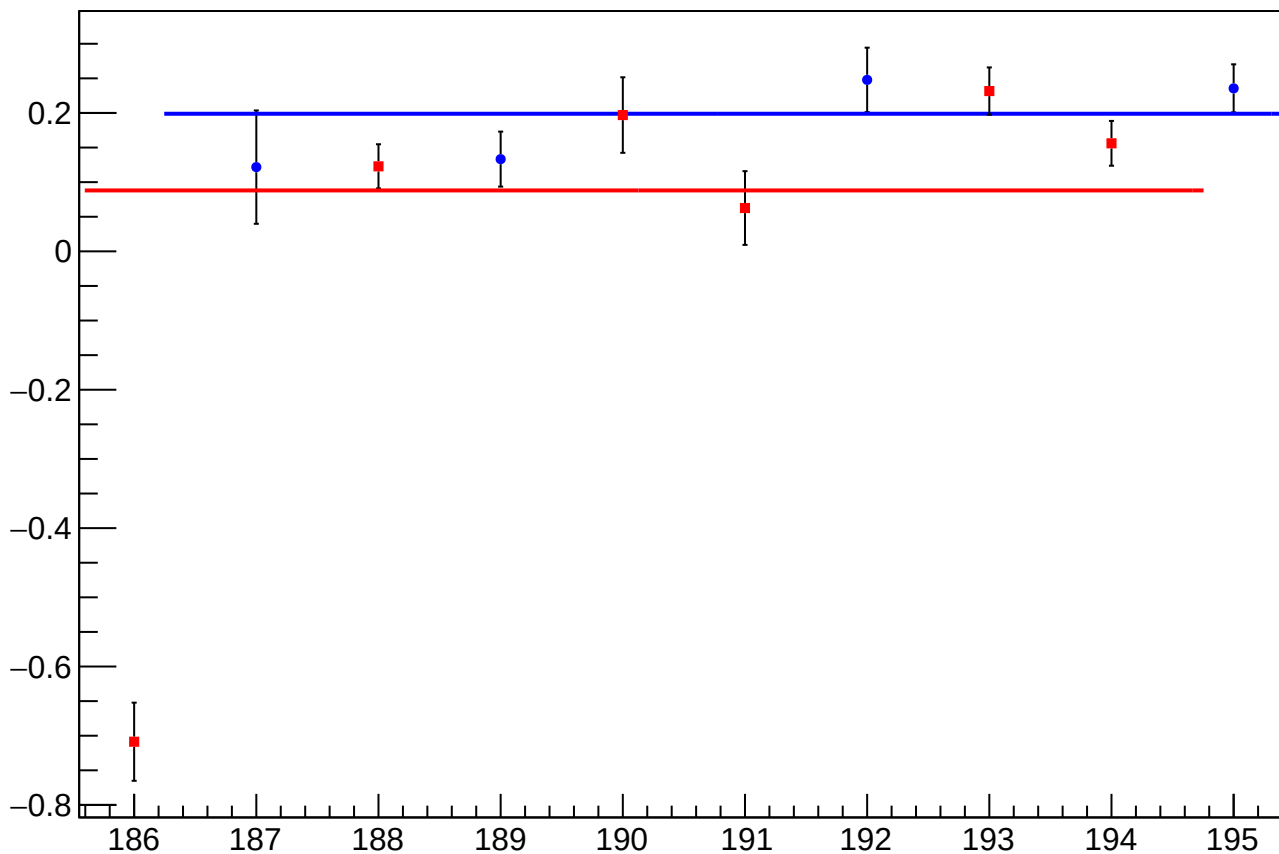
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -7.267 $\pm$ 0.338  $\chi^2$ /NDF: 10.8/9

- 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 $\pm$ 0.016  $\chi^2$ /NDF: 226.5/5

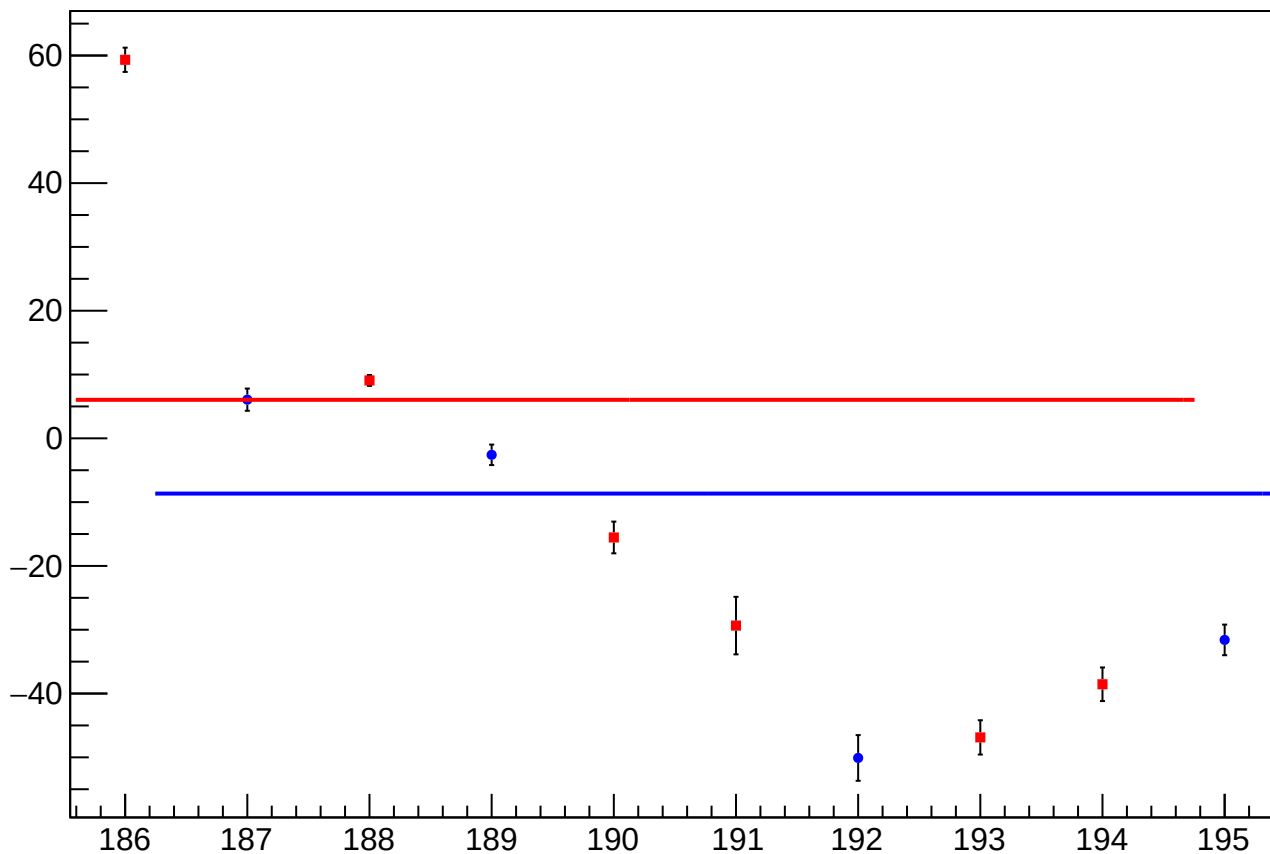
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.127 $\pm$ 0.013  $\chi^2$ /NDF: 248.8/9

- 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: 6.035+/-0.680  $\chi^2/\text{NDF}$ : 1609.8/5

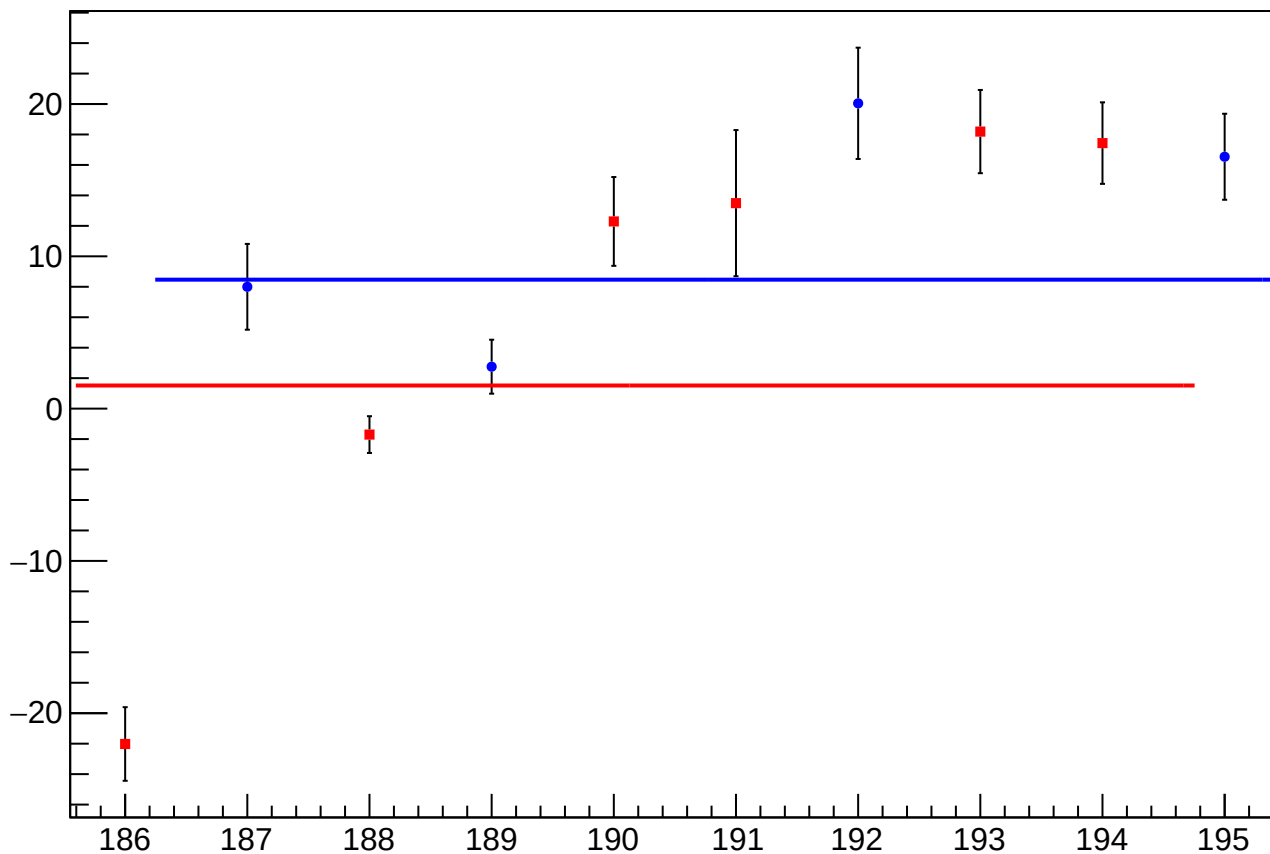
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.481+/-0.565  $\chi^2/\text{NDF}$ : 2065.4/9

- 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+/-1.245  $\chi^2/\text{NDF}$ : 28.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.518+/-0.880  $\chi^2/\text{NDF}$ : 194.4/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

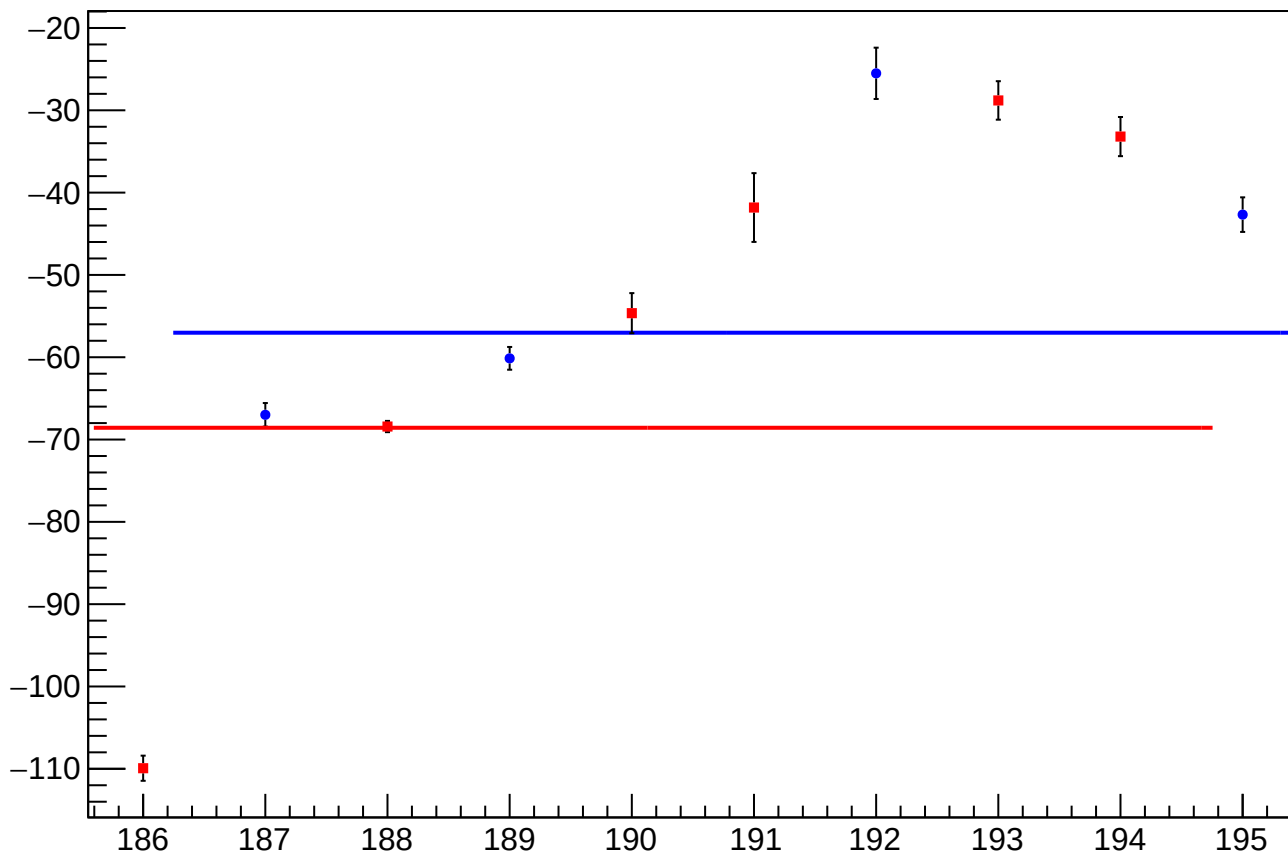
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.831+/-0.718  $\chi^2/\text{NDF}$ : 243.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: -57.021+/-0.864  $\chi^2/\text{NDF}$ : 202.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -68.569+/-0.564  $\chi^2/\text{NDF}$ : 1317.4/5

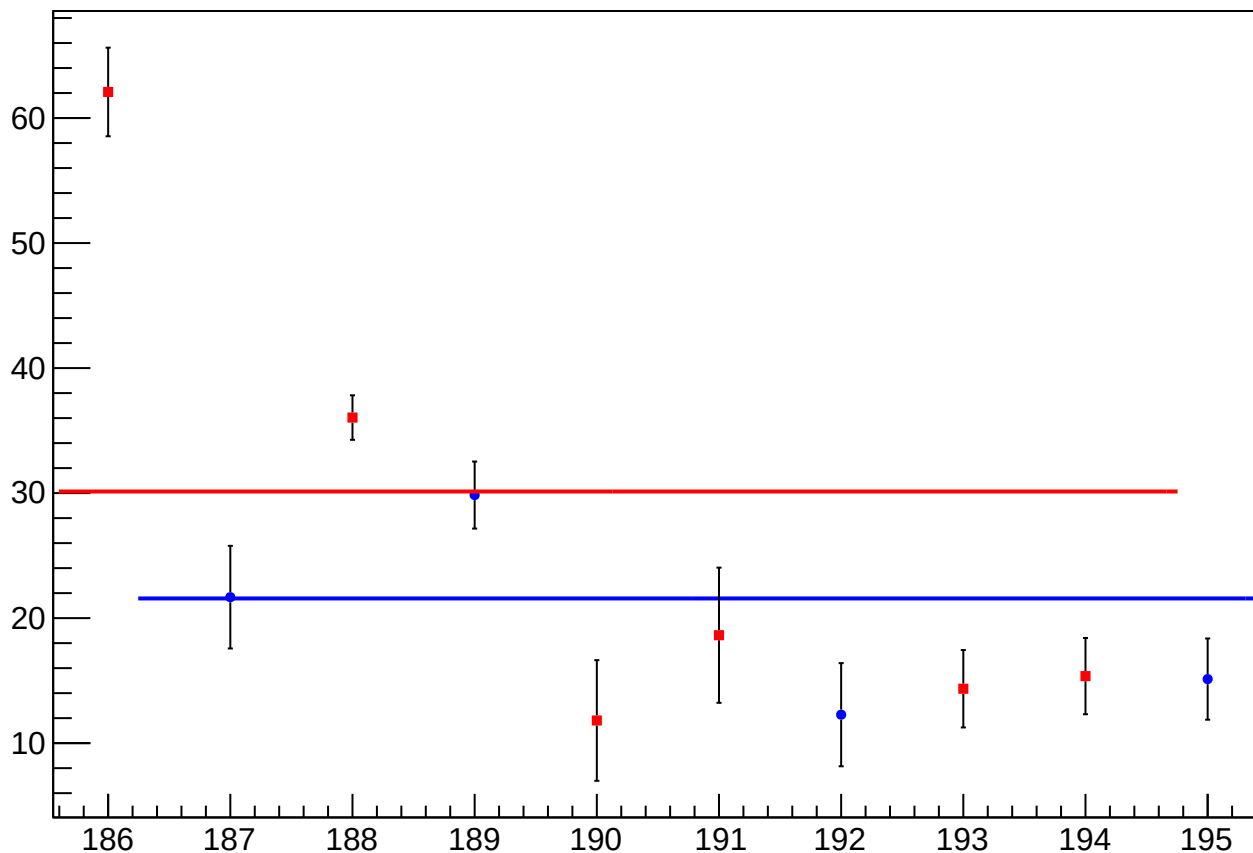
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -65.121+/-0.472  $\chi^2/\text{NDF}$ : 1645.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 30.128 $\pm$ 1.209  $\chi^2$ /NDF: 160.8/5

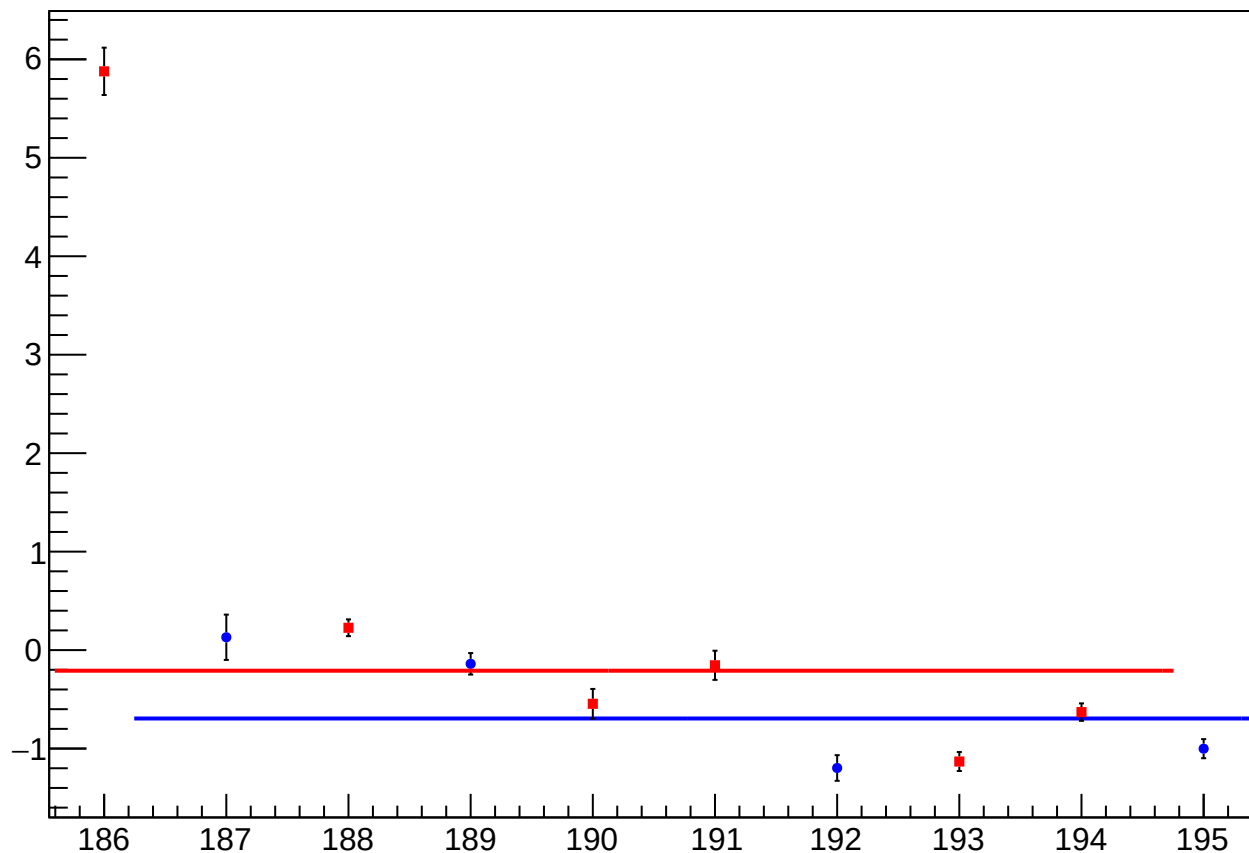
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 27.223 $\pm$ 0.982  $\chi^2$ /NDF: 196.3/9

- 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  $\chi^2$ /NDF: 63.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -0.209 $\pm$ 0.046  $\chi^2$ /NDF: 787.6/5

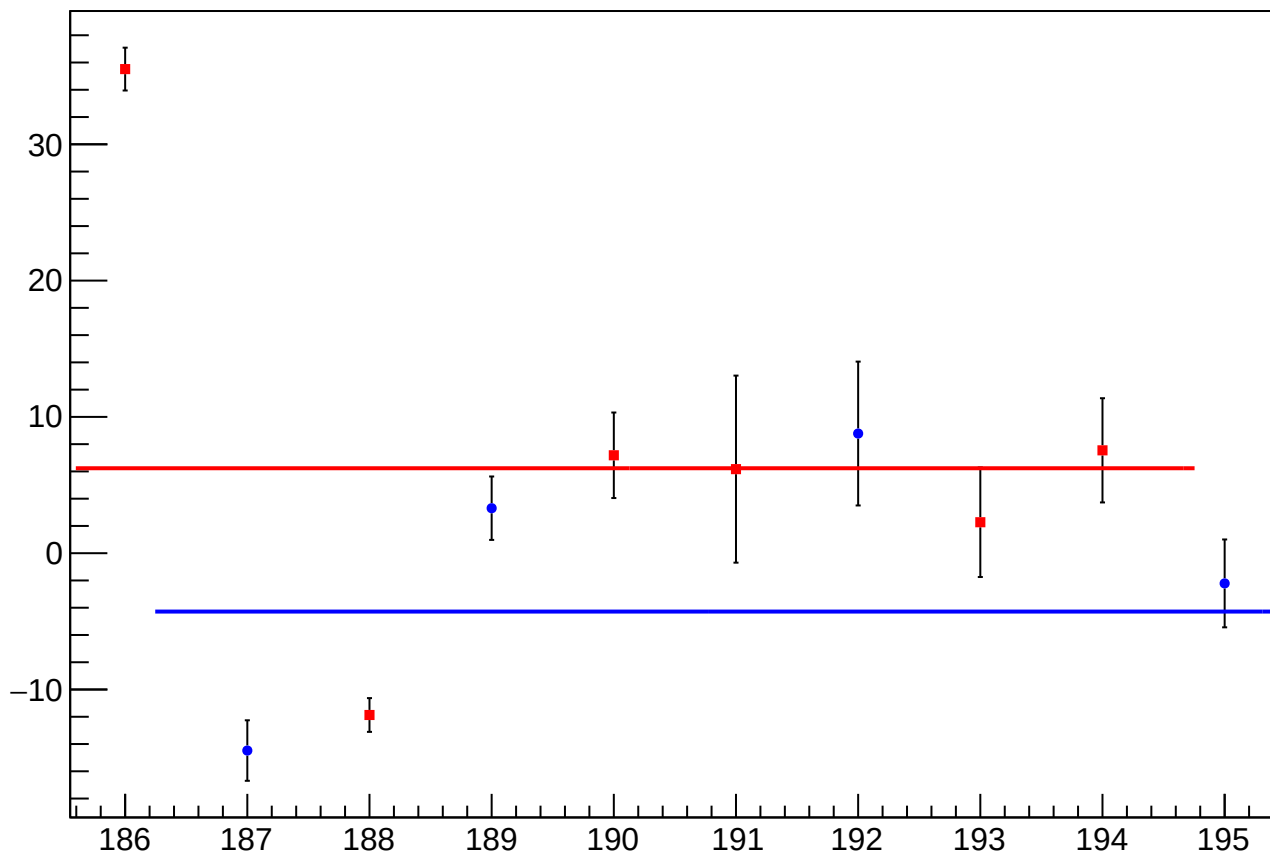
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -0.383 $\pm$ 0.037  $\chi^2$ /NDF: 891.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1\_diff\_bpm1X\_slope vs Slug



Right In:  $-4.282 \pm 1.387$   $\chi^2/\text{NDF}$ : 38.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $6.233 \pm 0.874$   $\chi^2/\text{NDF}$ : 562.1/5

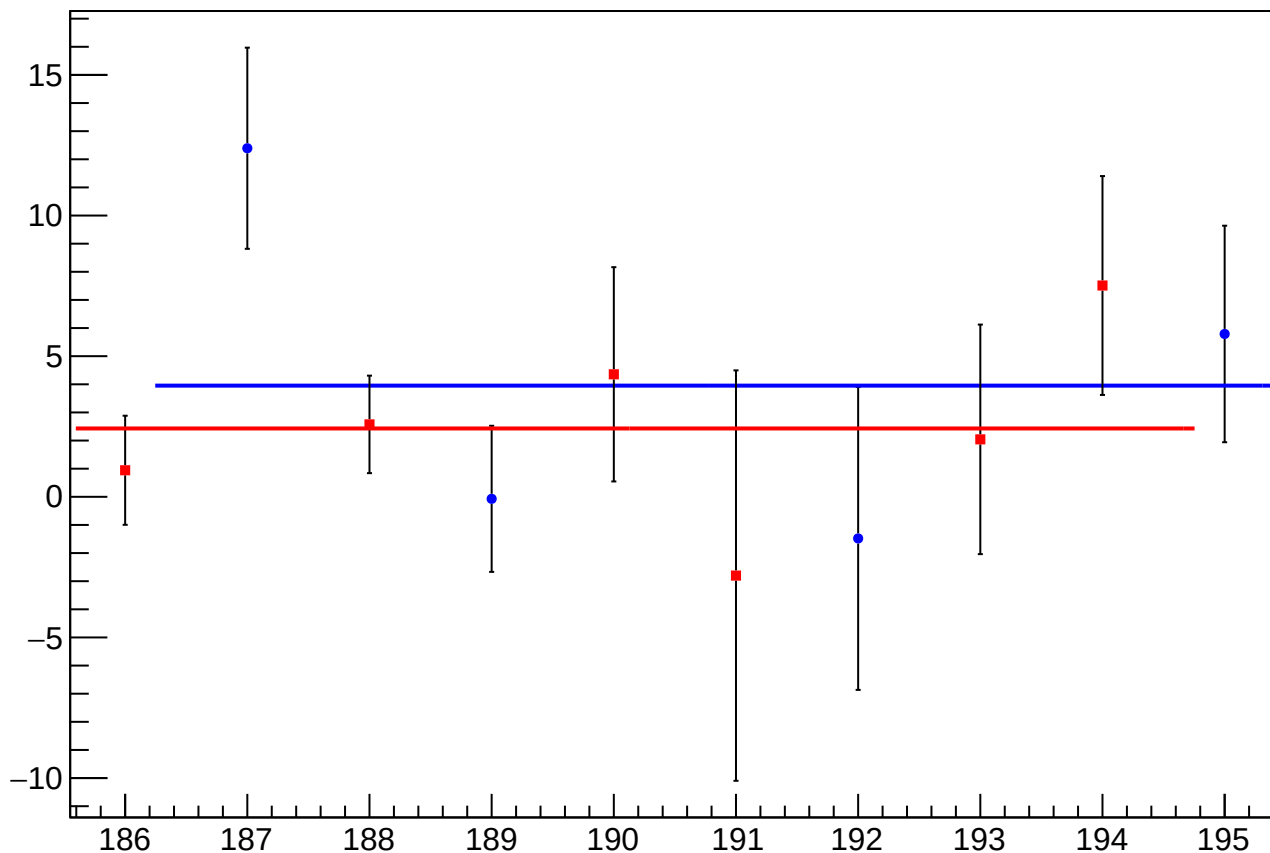
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $3.246 \pm 0.739$   $\chi^2/\text{NDF}$ : 641.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 2.430 $\pm$ 1.109  $\chi^2$ /NDF: 3.1/5

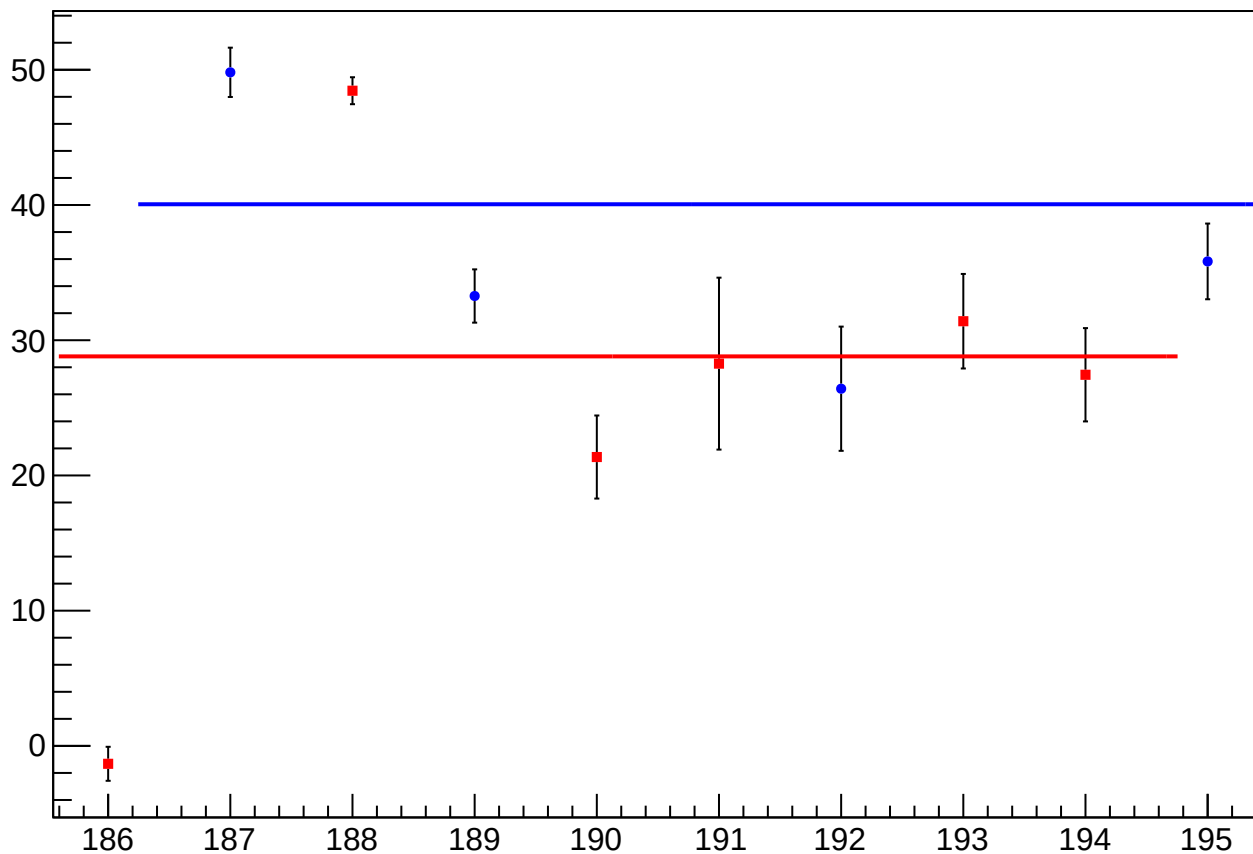
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 2.868 $\pm$ 0.936  $\chi^2$ /NDF: 12.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug



Right In: 40.055 $\pm$ 1.168  $\chi^2$ /NDF: 51.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 28.805 $\pm$ 0.719  $\chi^2$ /NDF: 969.4/5

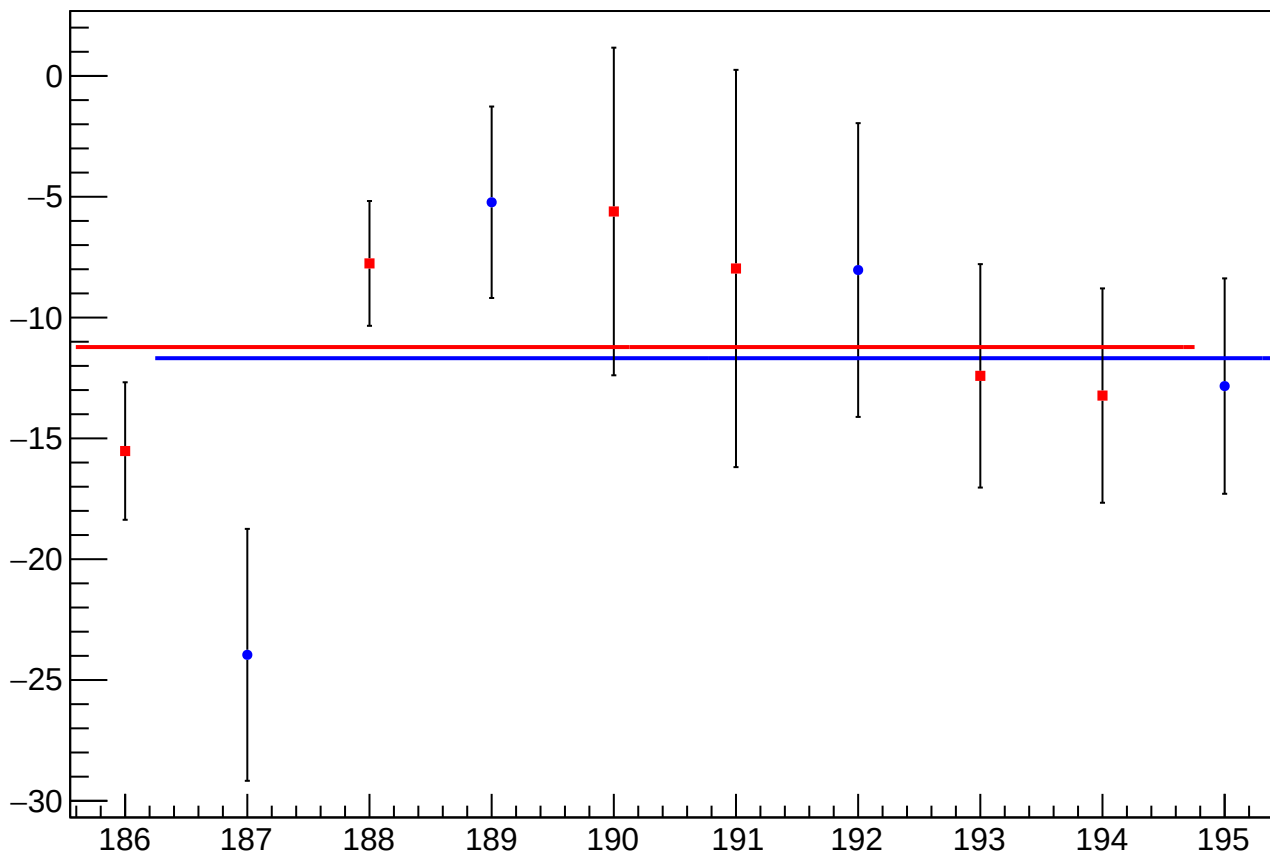
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 31.896 $\pm$ 0.612  $\chi^2$ /NDF: 1088.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug



Right In:  $-11.681 \pm 2.371$   $\chi^2/\text{NDF}$ : 8.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-11.220 \pm 1.566$   $\chi^2/\text{NDF}$ : 5.2/5

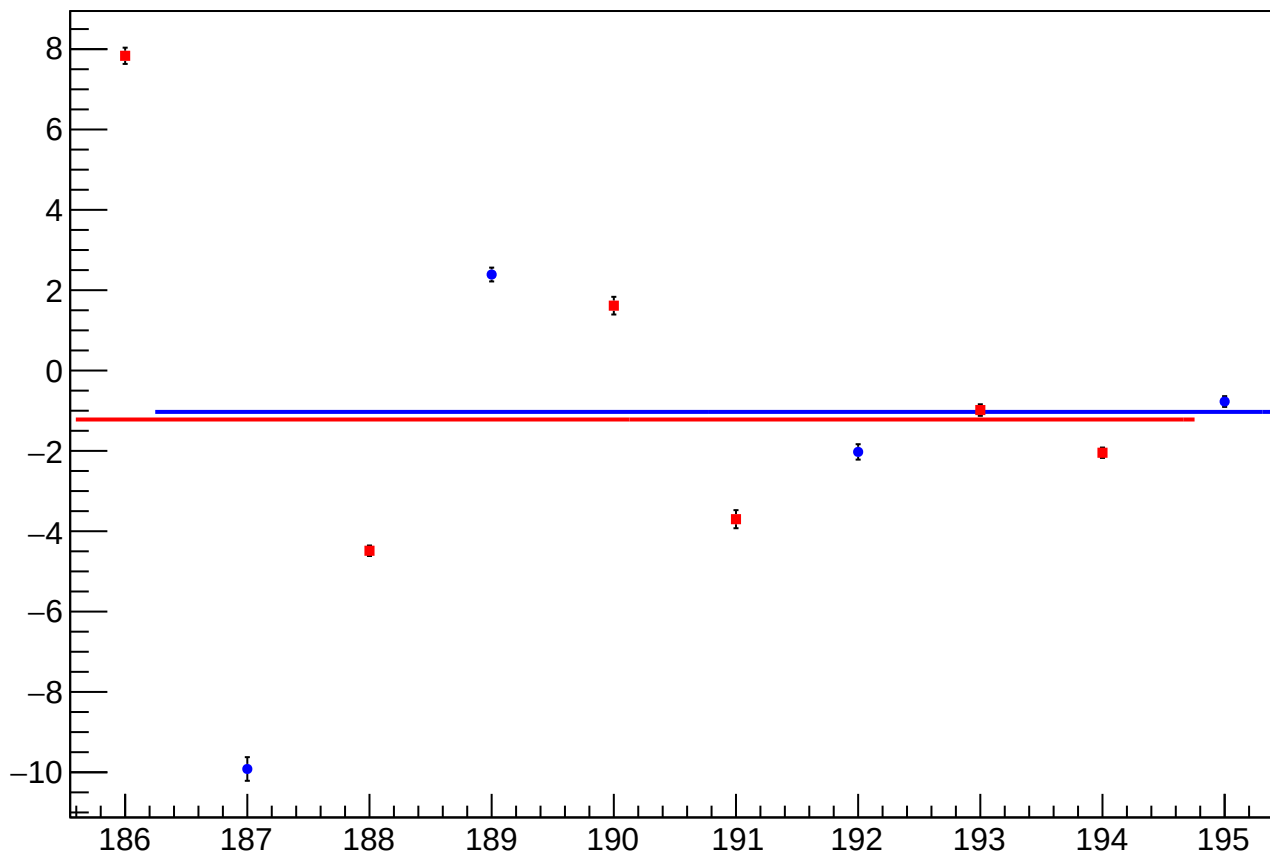
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-11.360 \pm 1.307$   $\chi^2/\text{NDF}$ : 13.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug



Right In: -1.029 $\pm$ 0.088  $\chi^2$ /NDF: 1337.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.219 $\pm$ 0.066  $\chi^2$ /NDF: 2963.2/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

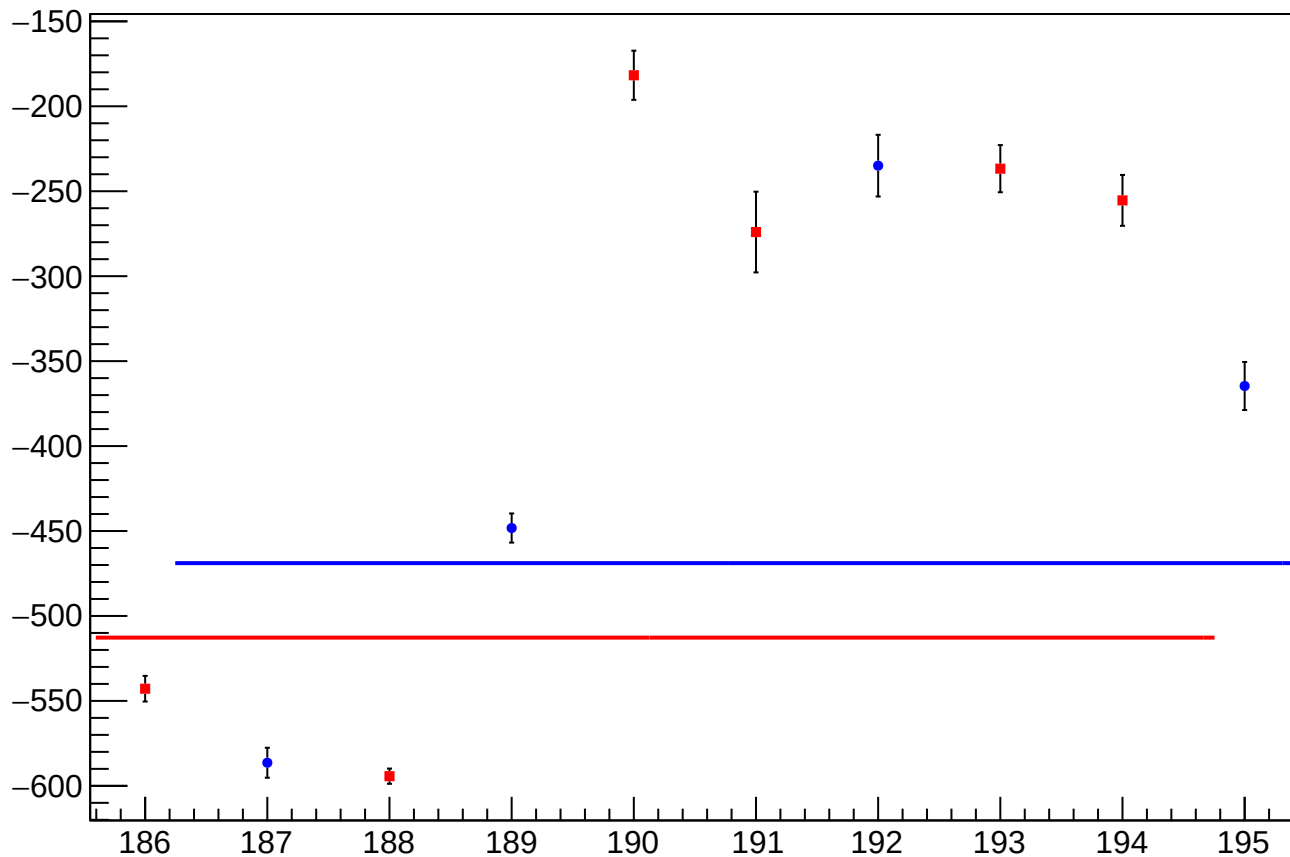
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -1.152 $\pm$ 0.053  $\chi^2$ /NDF: 4303.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atl2\_diff\_bpm1X\_slope vs Slug



Right In: -468.904+/-5.385  $\chi^2/\text{NDF}$ : 403.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -512.749+/-3.462  $\chi^2/\text{NDF}$ : 1661.0/5

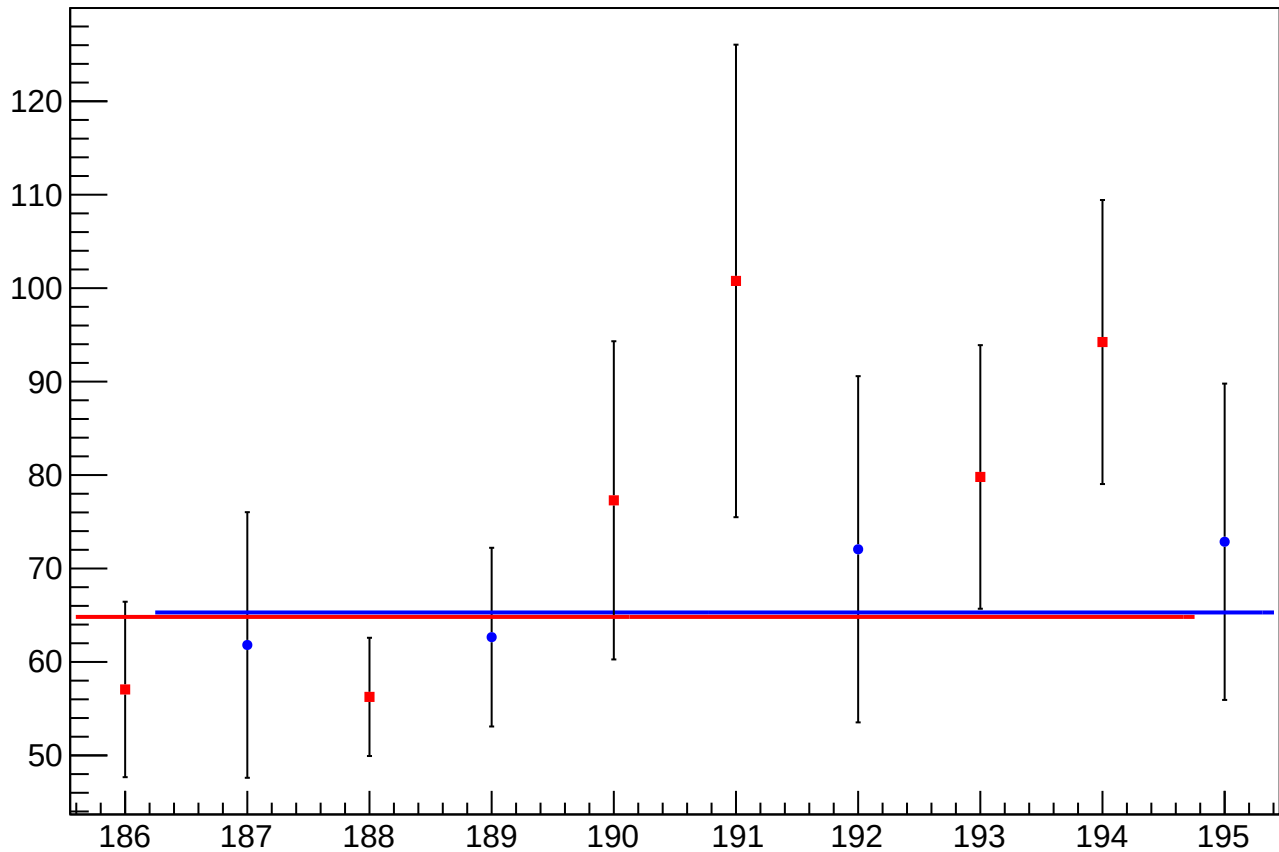
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -499.927+/-2.912  $\chi^2/\text{NDF}$ : 2111.6/9

- sign 0.000+/-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: 64.820 $\pm$ 4.441  $\chi^2$ /NDF: 9.9/5

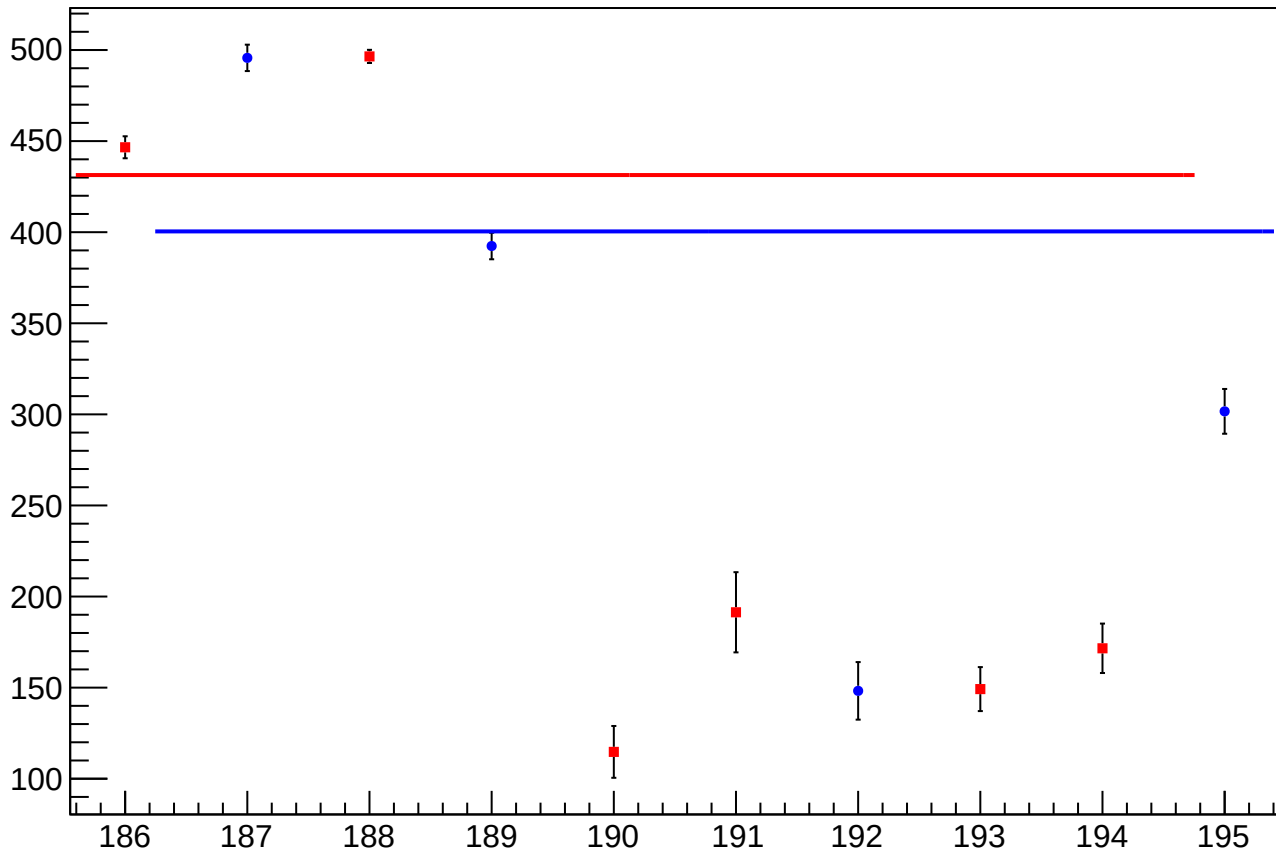
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 64.965 $\pm$ 3.701  $\chi^2$ /NDF: 10.4/9

- 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: 431.366 $\pm$ 2.847  $\chi^2$ /NDF: 1858.9/5

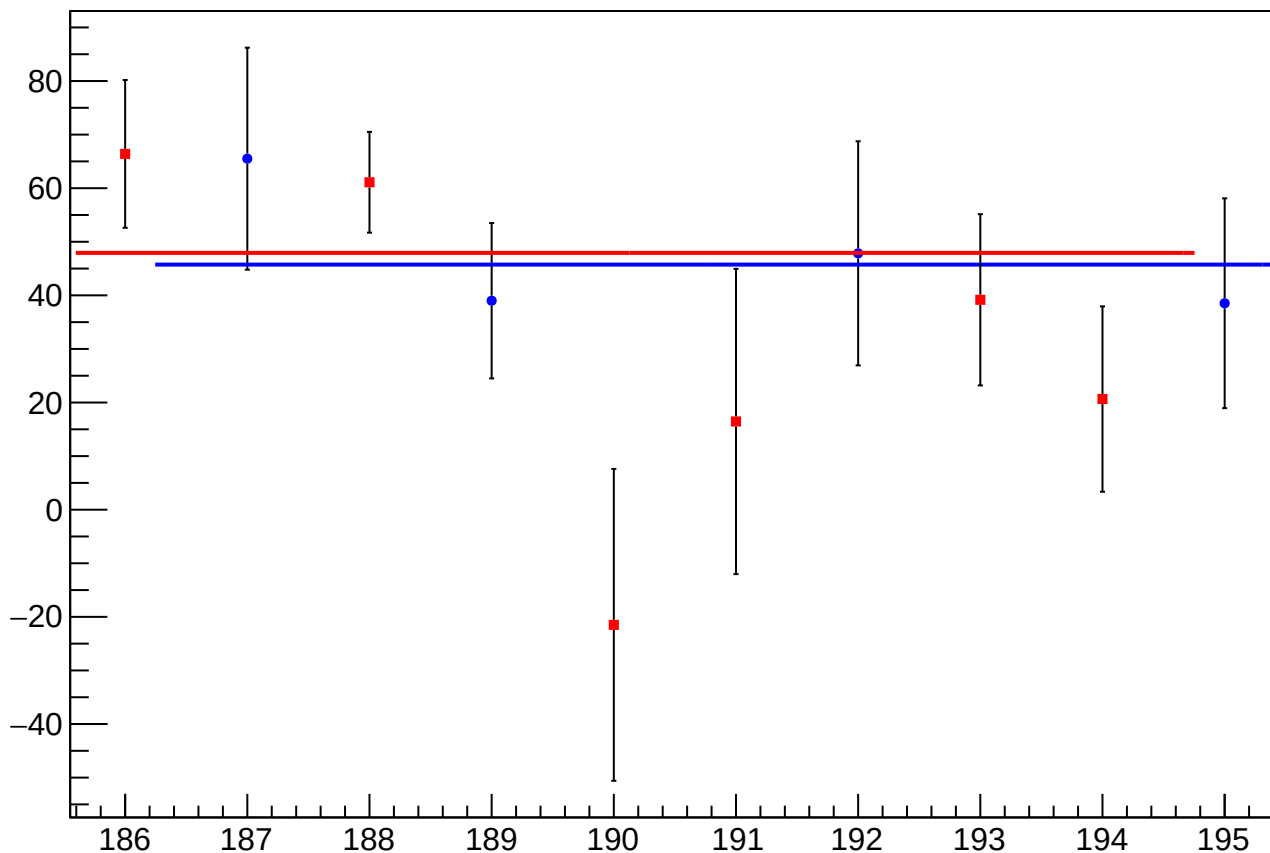
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 422.634 $\pm$ 2.412  $\chi^2$ /NDF: 2385.6/9

- 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: 47.925 $\pm$ 6.174  $\chi^2$ /NDF: 13.5/5

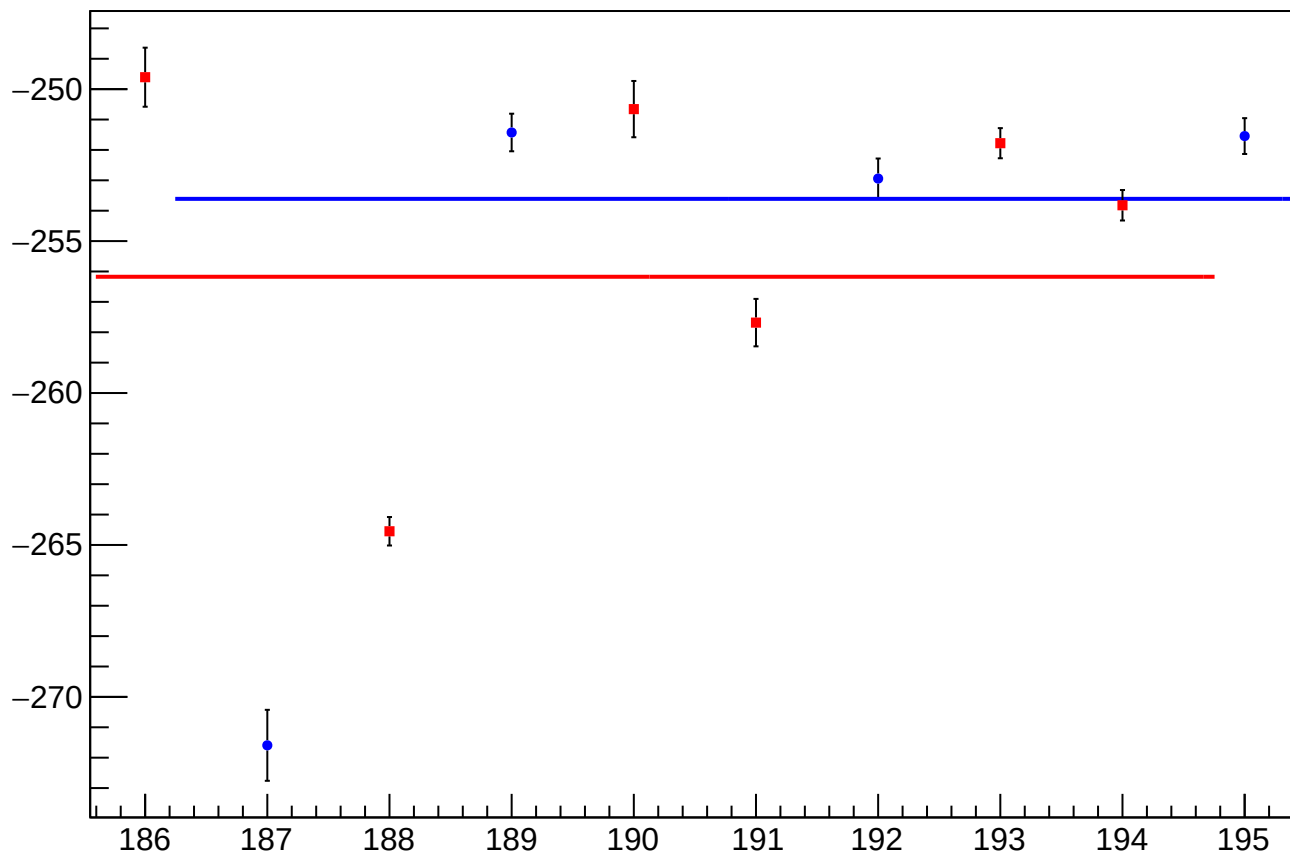
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 47.241 $\pm$ 5.115  $\chi^2$ /NDF: 14.8/9

- 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  $\chi^2$ /NDF: 263.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -256.174 $\pm$ 0.246  $\chi^2$ /NDF: 504.9/5

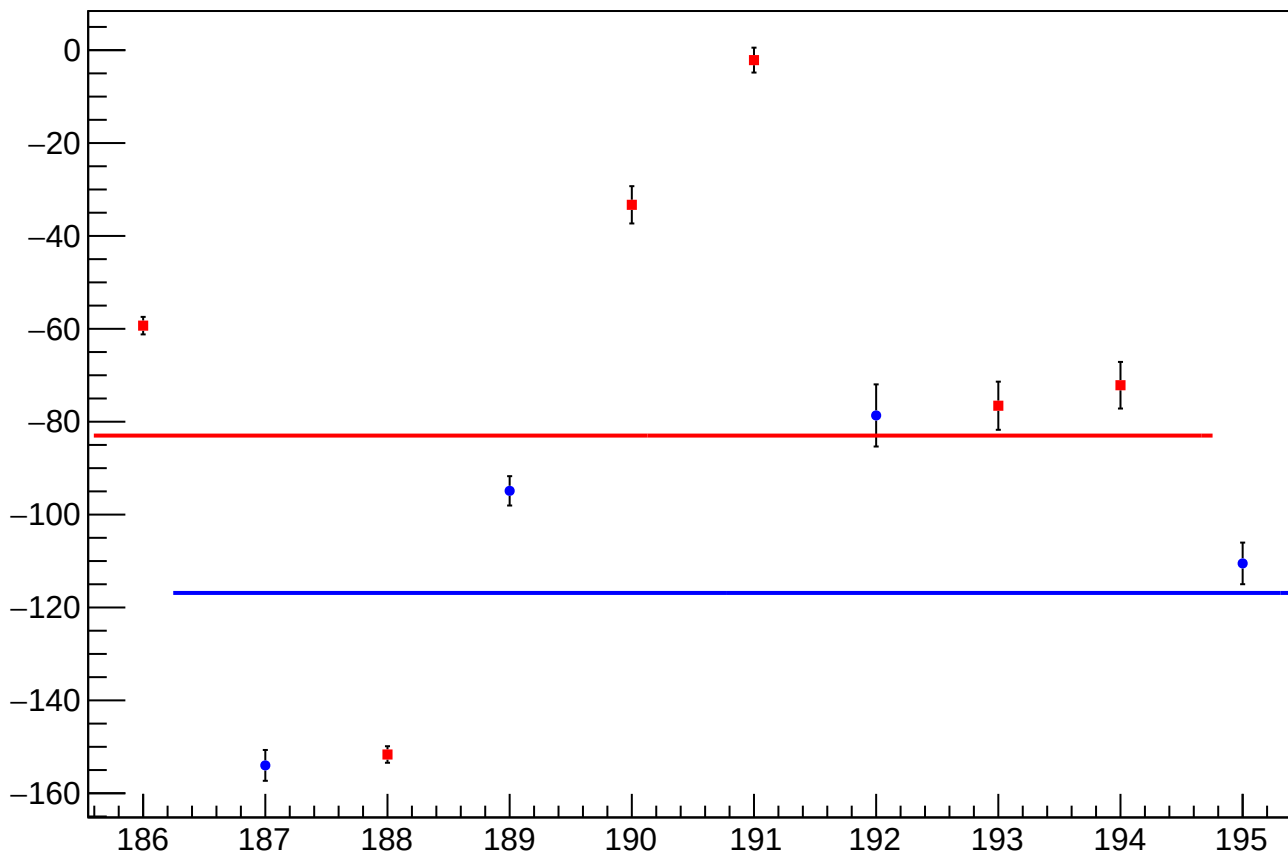
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -255.300 $\pm$ 0.200  $\chi^2$ /NDF: 804.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr1\_diff\_bpm1X\_slope vs Slug



Right In: -116.867 $\pm$ 1.949  $\chi^2$ /NDF: 208.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -82.987 $\pm$ 1.069  $\chi^2$ /NDF: 2715.0/5

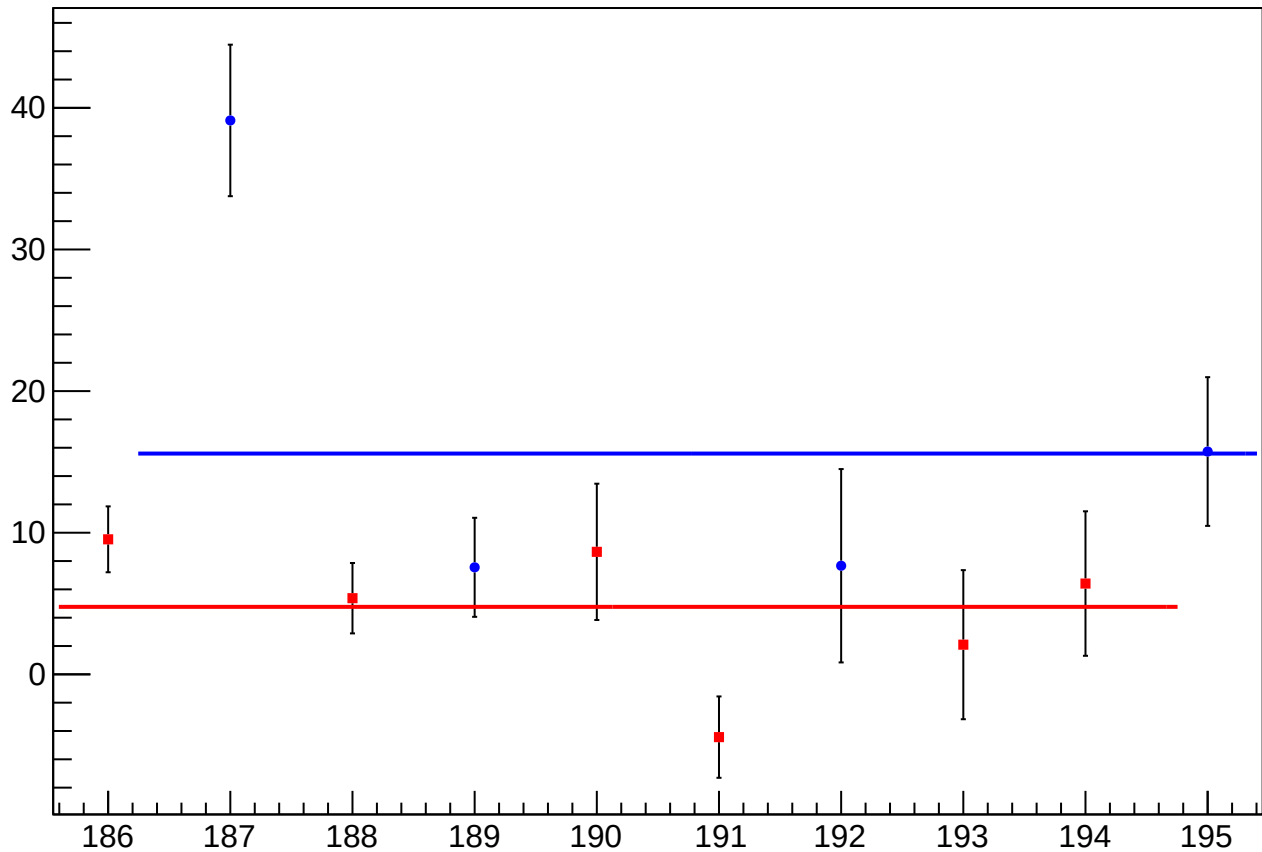
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -90.821 $\pm$ 0.937  $\chi^2$ /NDF: 3155.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 4.765 $\pm$ 1.307  $\chi^2$ /NDF: 15.5/5

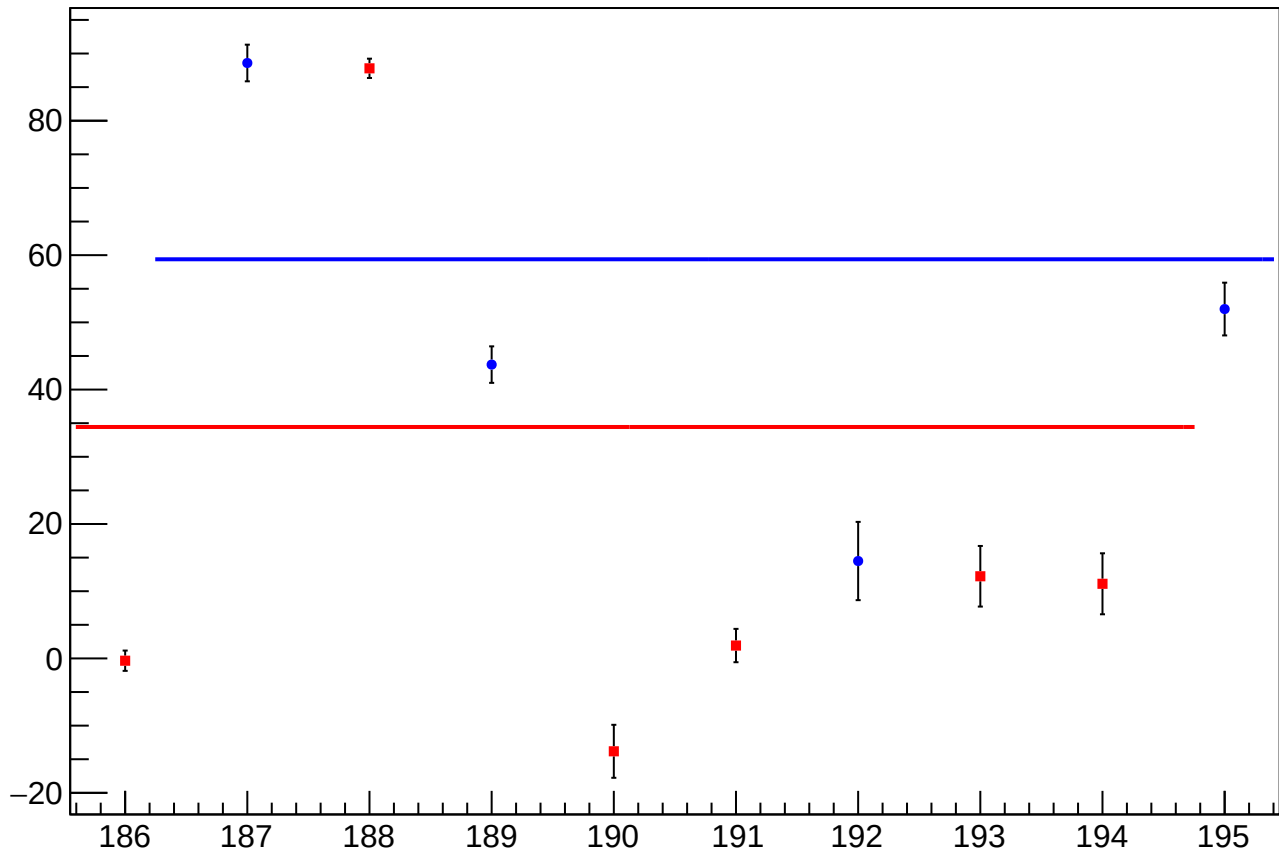
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.250 $\pm$ 1.147  $\chi^2$ /NDF: 57.2/9

- 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: 34.435 $\pm$ 0.895  $\chi^2$ /NDF: 2283.4/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

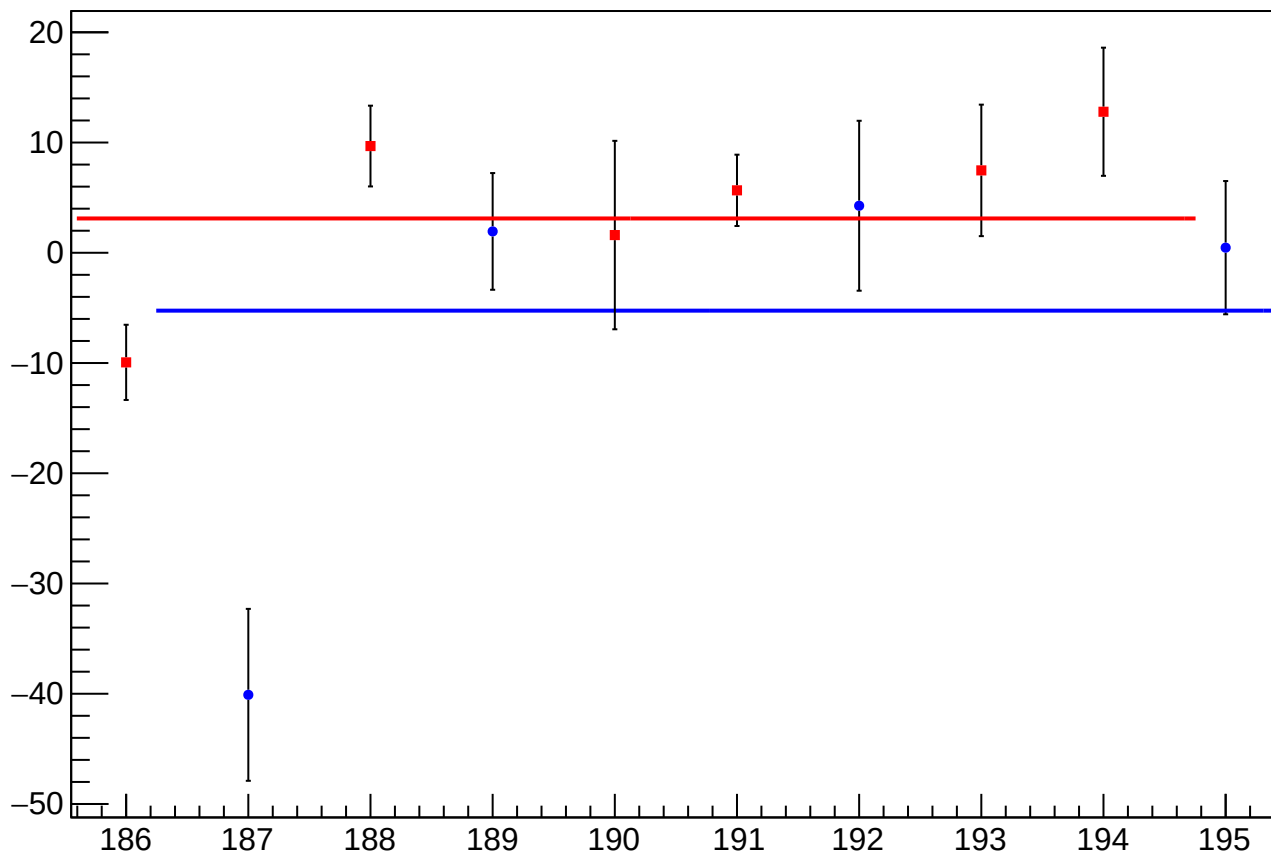
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 40.075 $\pm$ 0.787  $\chi^2$ /NDF: 2670.0/9

- 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: 3.112+/-1.748  $\chi^2/\text{NDF}$ : 21.8/5

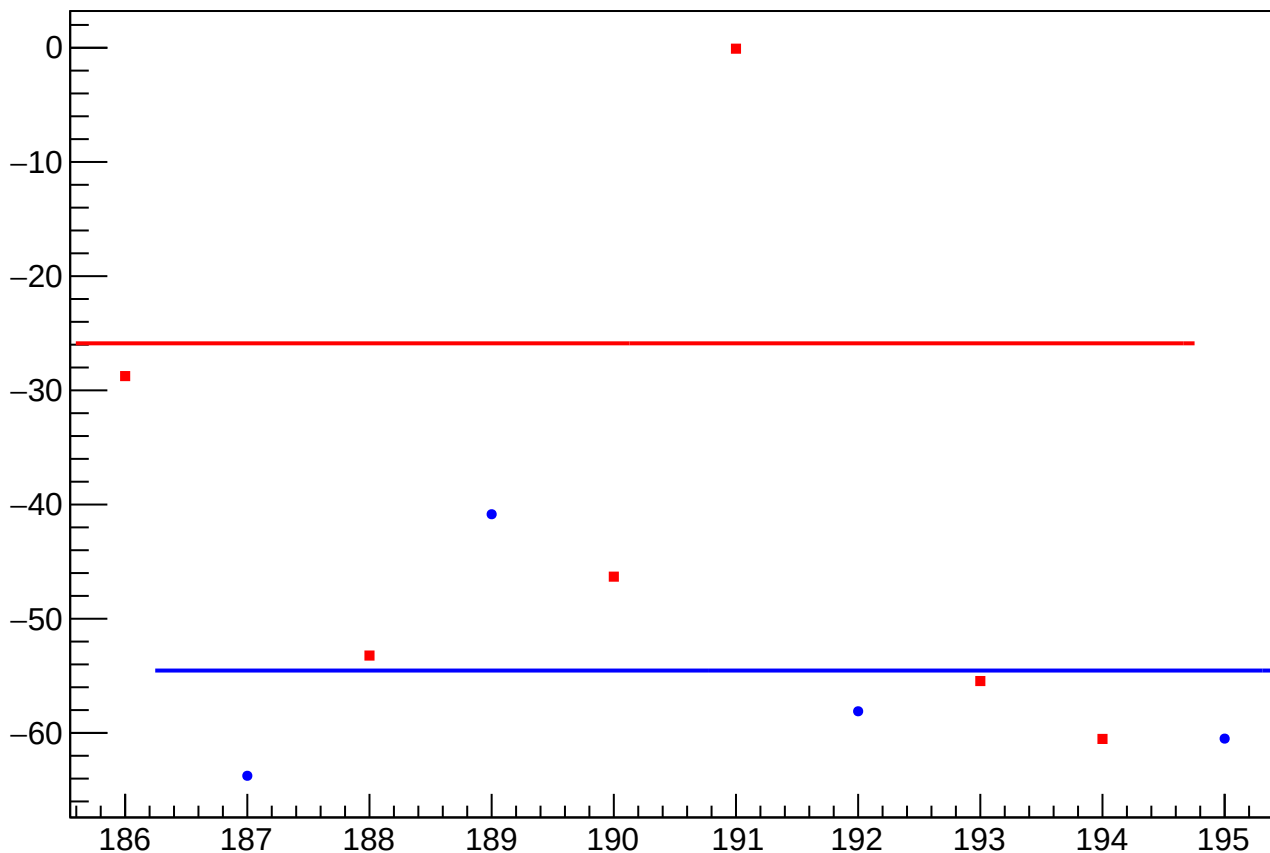
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.211+/-1.536  $\chi^2/\text{NDF}$ : 51.3/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug



Right In:  $-54.537 \pm 0.116$   $\chi^2/\text{NDF}: 5741.5/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-25.882 \pm 0.063$   $\chi^2/\text{NDF}: 182777.2/5$

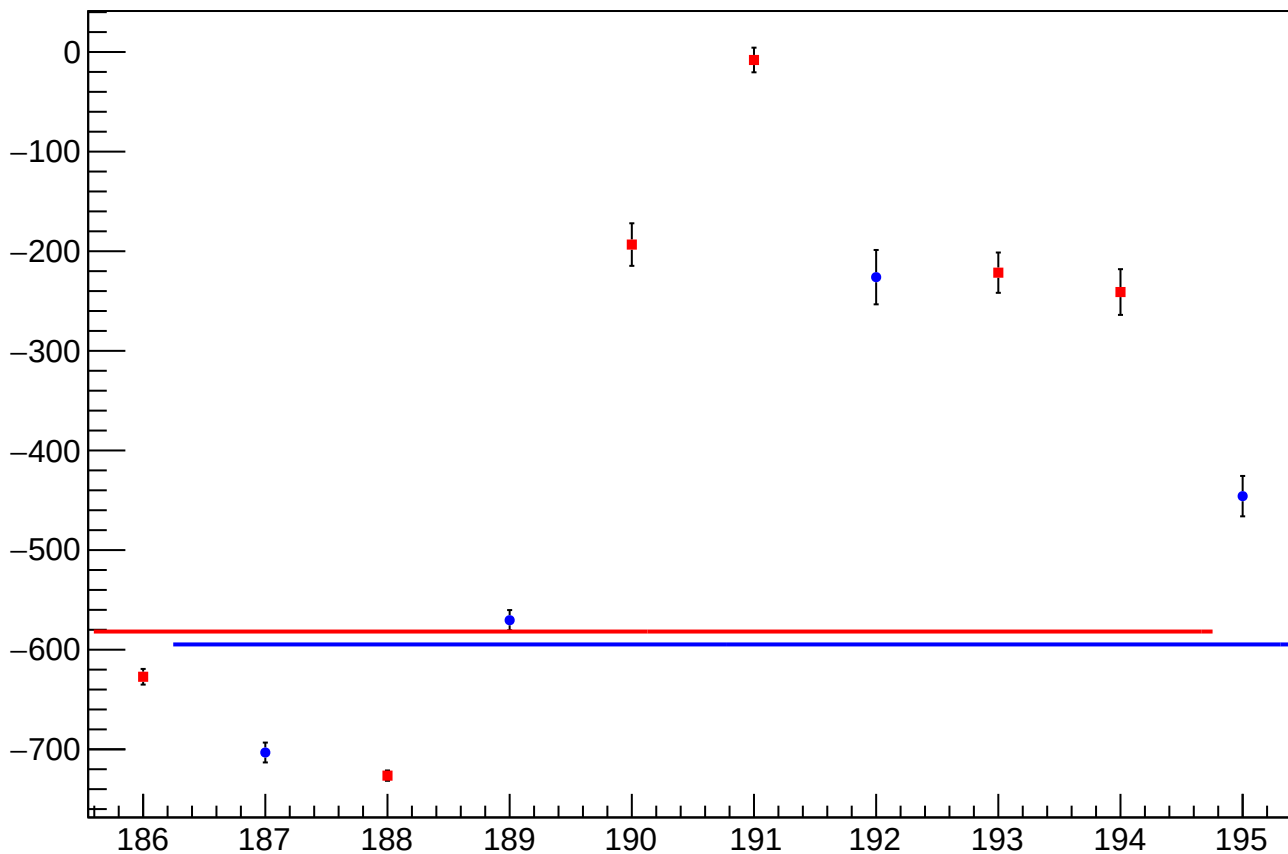
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-32.345 \pm 0.055$   $\chi^2/\text{NDF}: 235700.8/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_atr2\_diff\_bpm1X\_slope vs Slug



Right In: -594.718+/-6.521  $\chi^2/\text{NDF}$ : 360.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -581.768+/-3.877  $\chi^2/\text{NDF}$ : 3834.0/5

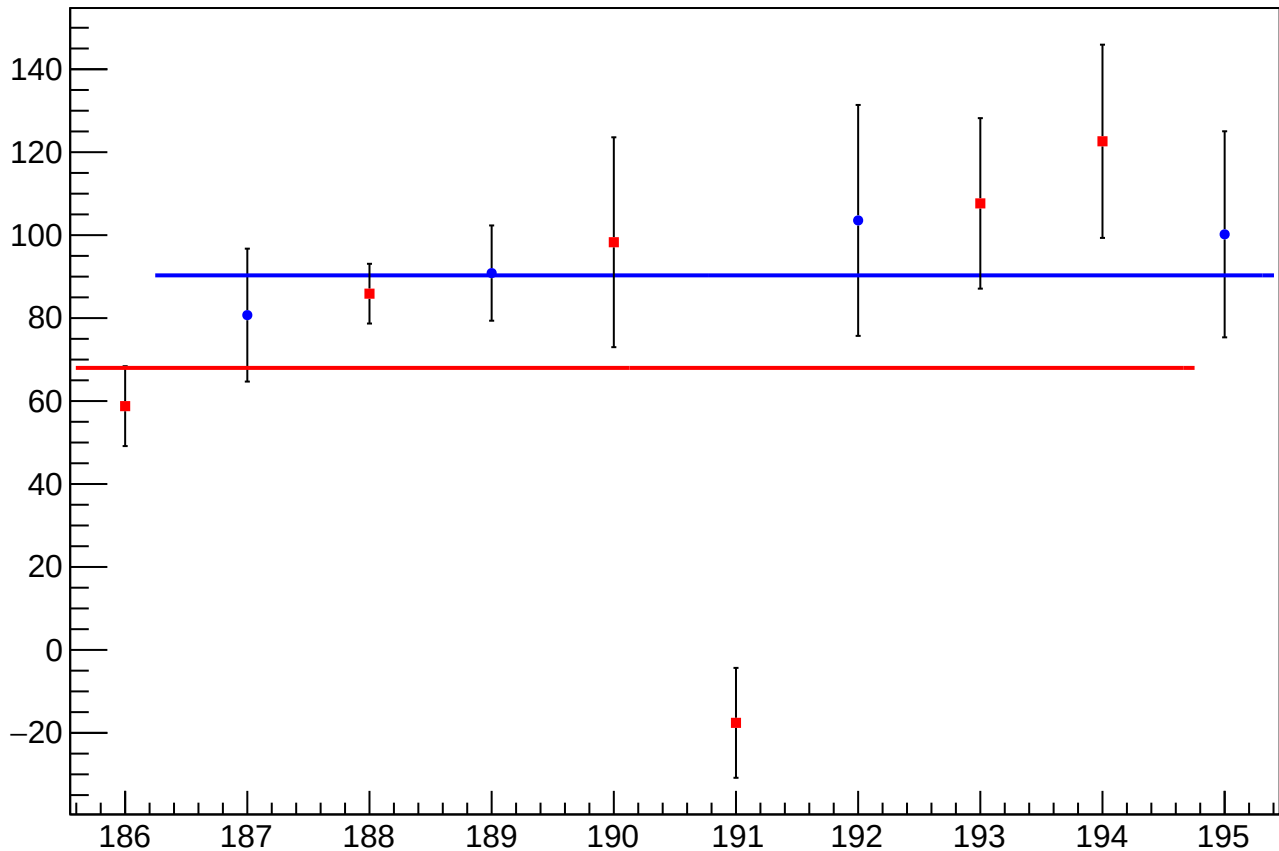
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -585.150+/-3.332  $\chi^2/\text{NDF}$ : 4197.7/9

- sign 0.000+/-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: 67.994 $\pm$ 4.906  $\chi^2$ /NDF: 59.5/5

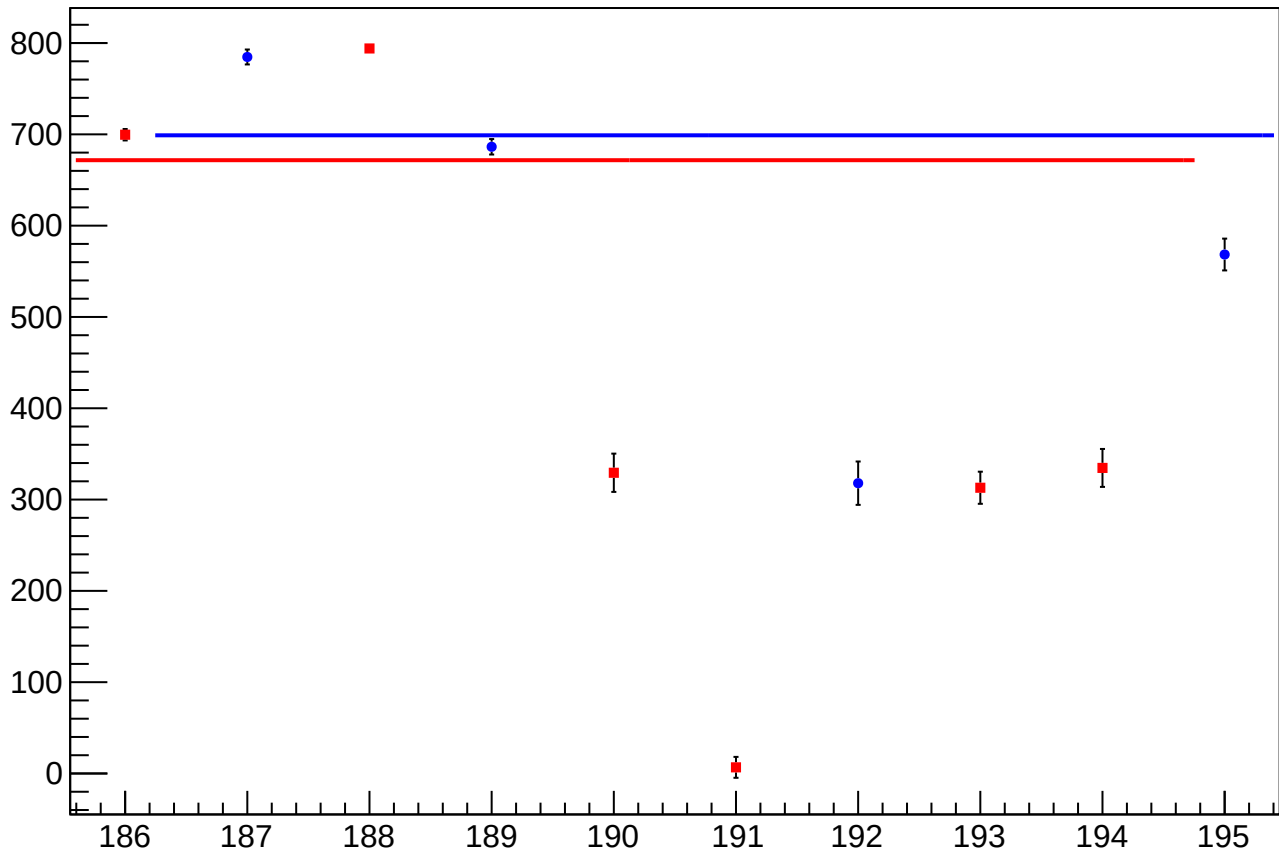
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 73.733 $\pm$ 4.228  $\chi^2$ /NDF: 65.5/9

- 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  $\chi^2$ /NDF: 425.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 671.690 $\pm$ 3.182  $\chi^2$ /NDF: 5205.2/5

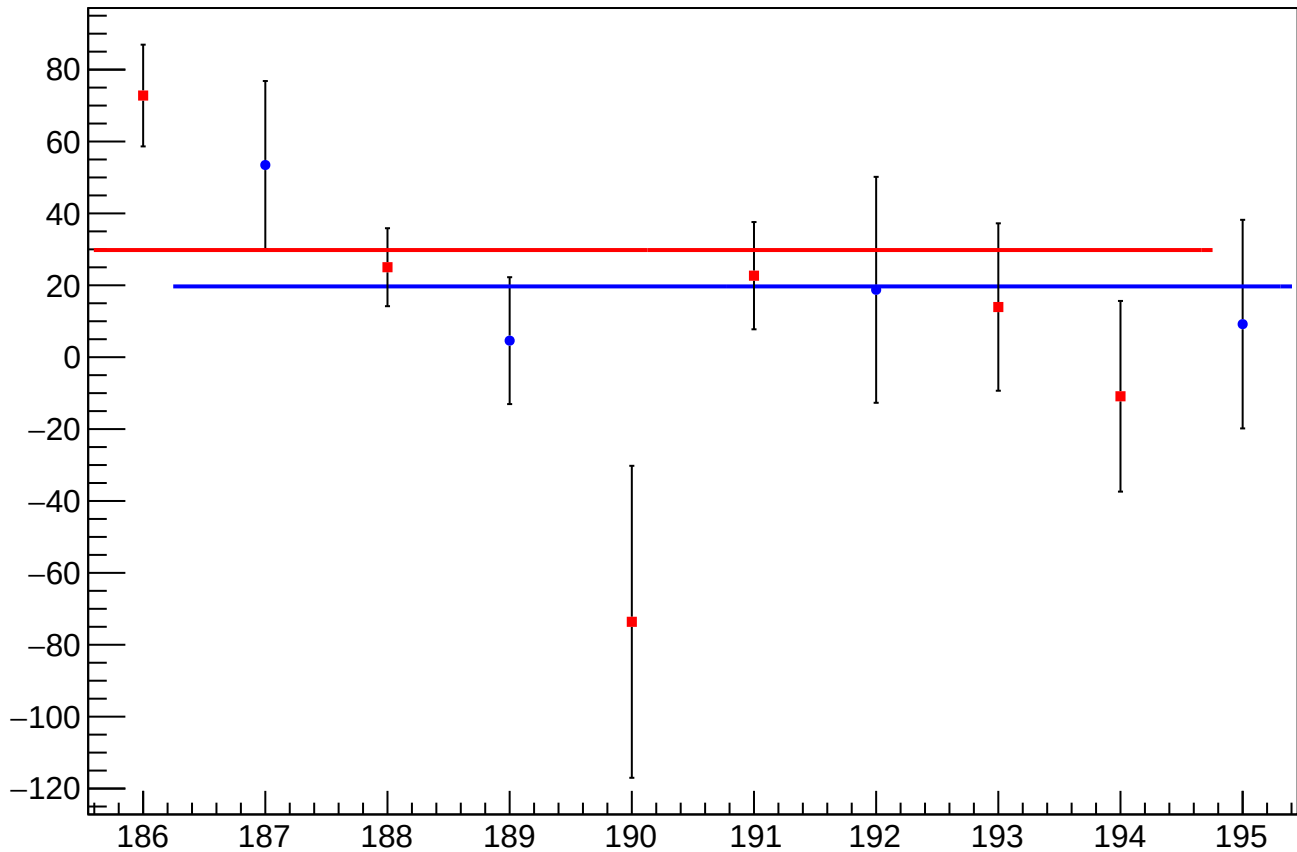
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 678.658 $\pm$ 2.745  $\chi^2$ /NDF: 5649.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug



Right In: 19.690+/-11.750  $\chi^2/\text{NDF}$ : 3.0/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 29.808+/-6.775  $\chi^2/\text{NDF}$ : 18.1/5

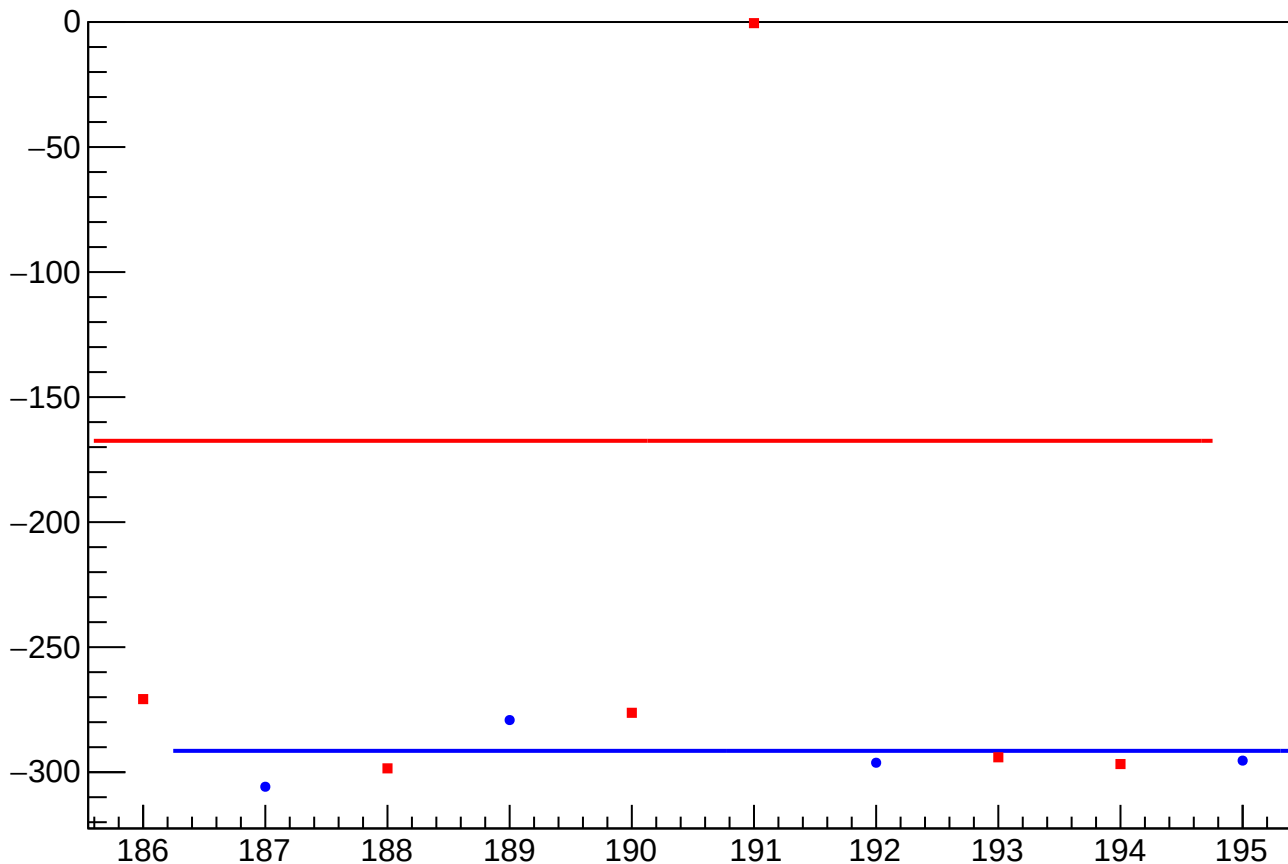
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 27.283+/-5.870  $\chi^2/\text{NDF}$ : 21.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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:  $-167.480 \pm 0.267$   $\chi^2/\text{NDF}$ : 293122.7/5

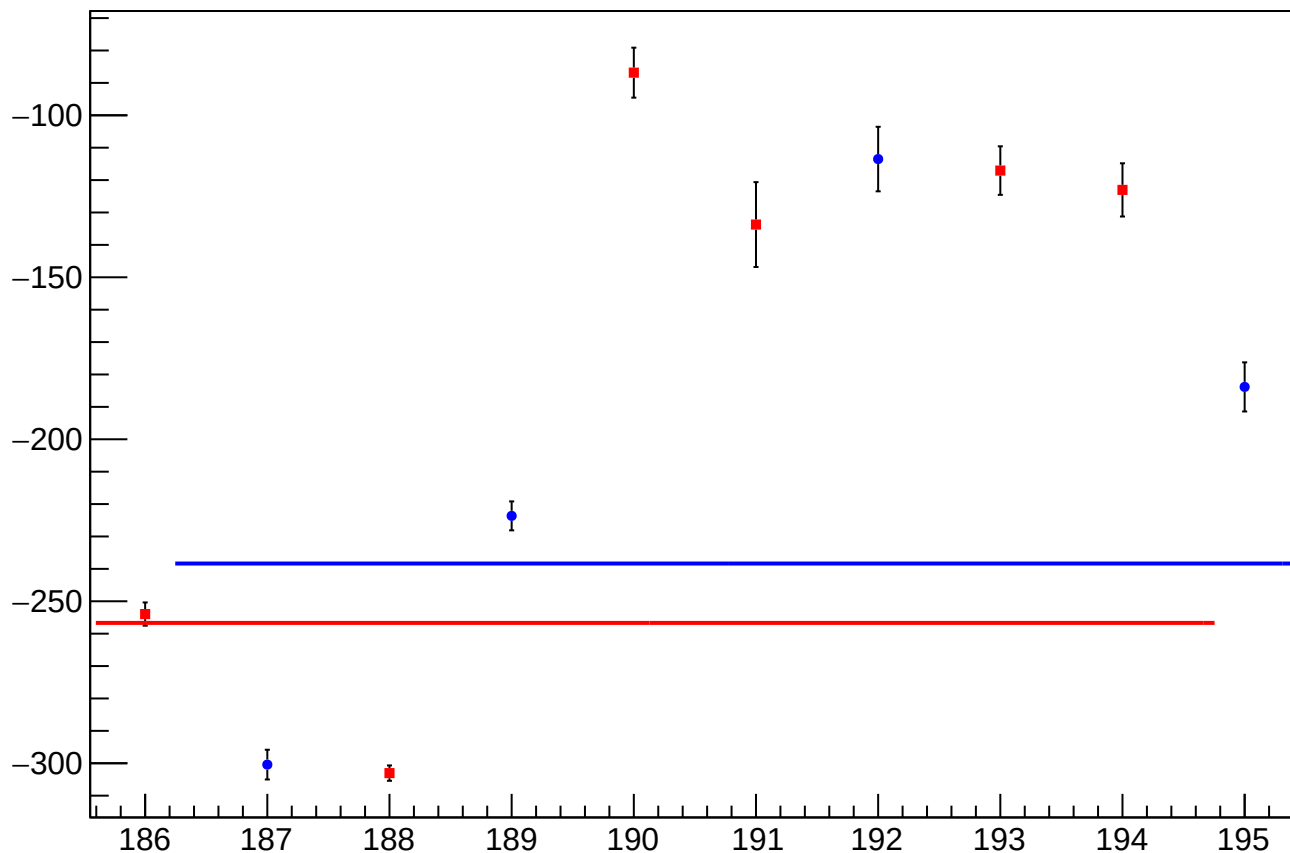
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-196.655 \pm 0.233$   $\chi^2/\text{NDF}$ : 344237.9/9

- 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:  $-256.675 \pm 1.794$   $\chi^2/\text{NDF}: 1568.2/5$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

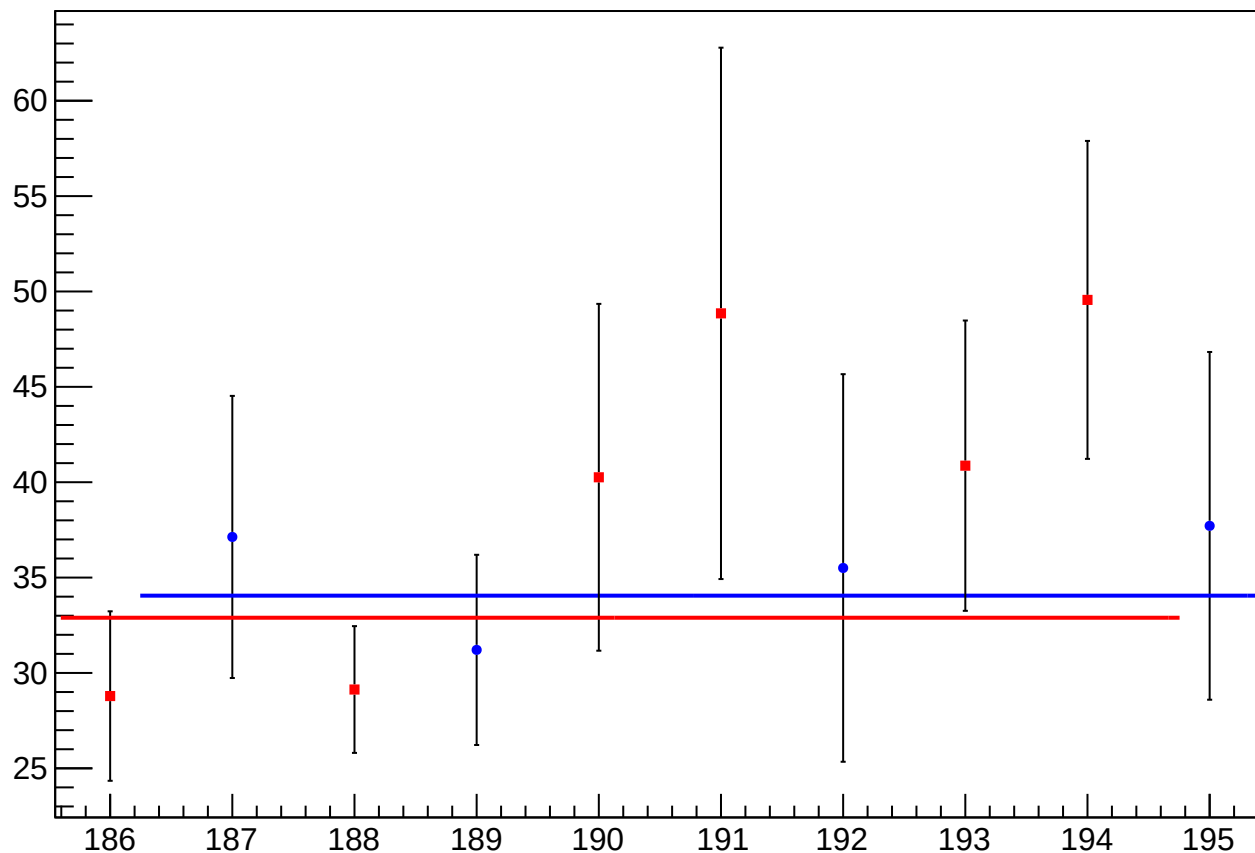
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-251.420 \pm 1.515$   $\chi^2/\text{NDF}: 2000.5/9$

- 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 $\pm$ 3.531  $\chi^2$ /NDF: 0.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 32.895 $\pm$ 2.293  $\chi^2$ /NDF: 9.2/5

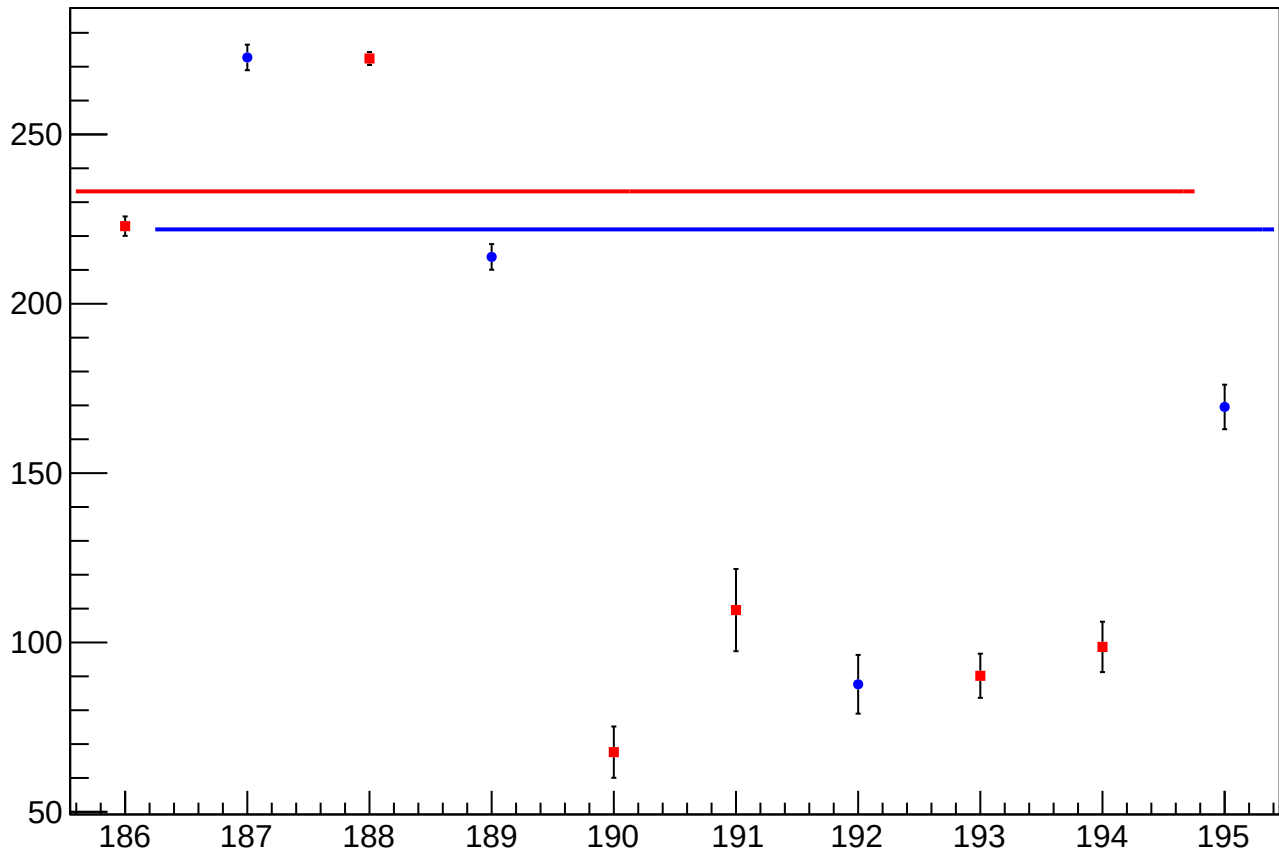
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 33.238 $\pm$ 1.923  $\chi^2$ /NDF: 10.0/9

- sign 0.000 $\pm$ 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: 233.183 $\pm$ 1.471  $\chi^2$ /NDF: 1826.2/5

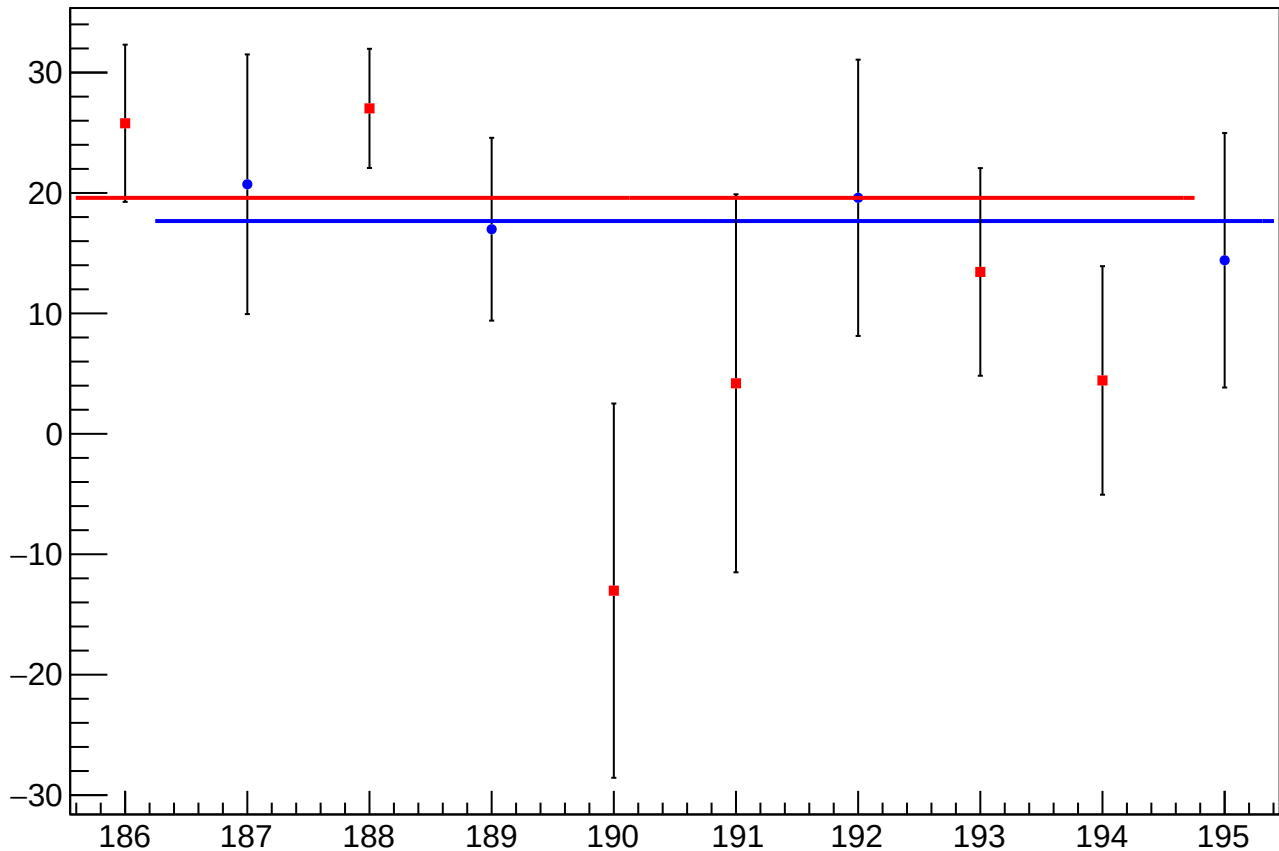
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 230.082 $\pm$ 1.251  $\chi^2$ /NDF: 2331.7/9

- 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 $\pm$ 4.850  $\chi^2$ /NDF: 0.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 19.594 $\pm$ 3.210  $\chi^2$ /NDF: 11.6/5

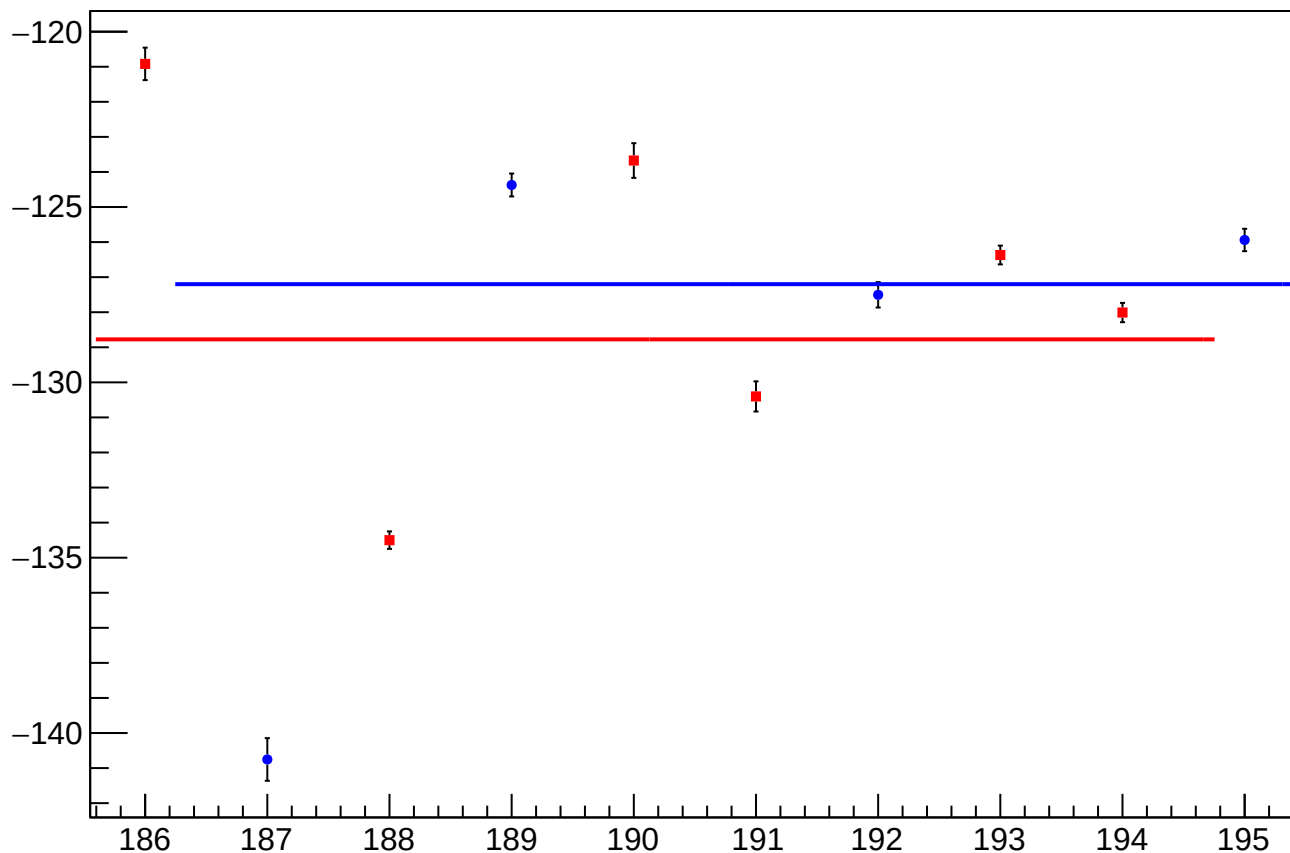
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 19.008 $\pm$ 2.677  $\chi^2$ /NDF: 11.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug



Right In: -127.200 $\pm$ 0.184  $\chi^2$ /NDF: 587.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -128.774 $\pm$ 0.132  $\chi^2$ /NDF: 1027.3/5

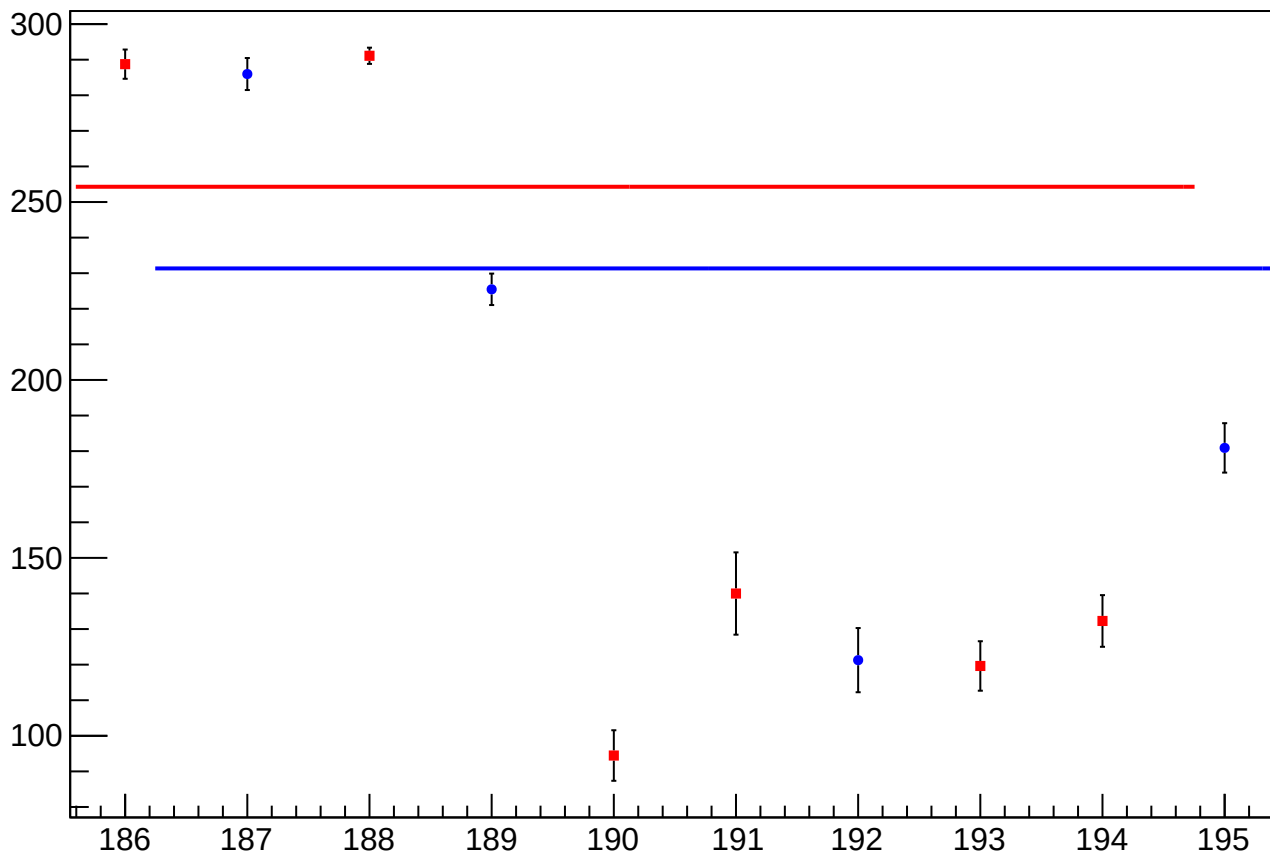
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -128.240 $\pm$ 0.107  $\chi^2$ /NDF: 1662.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 254.291 $\pm$ 1.771  $\chi^2$ /NDF: 1592.8/5

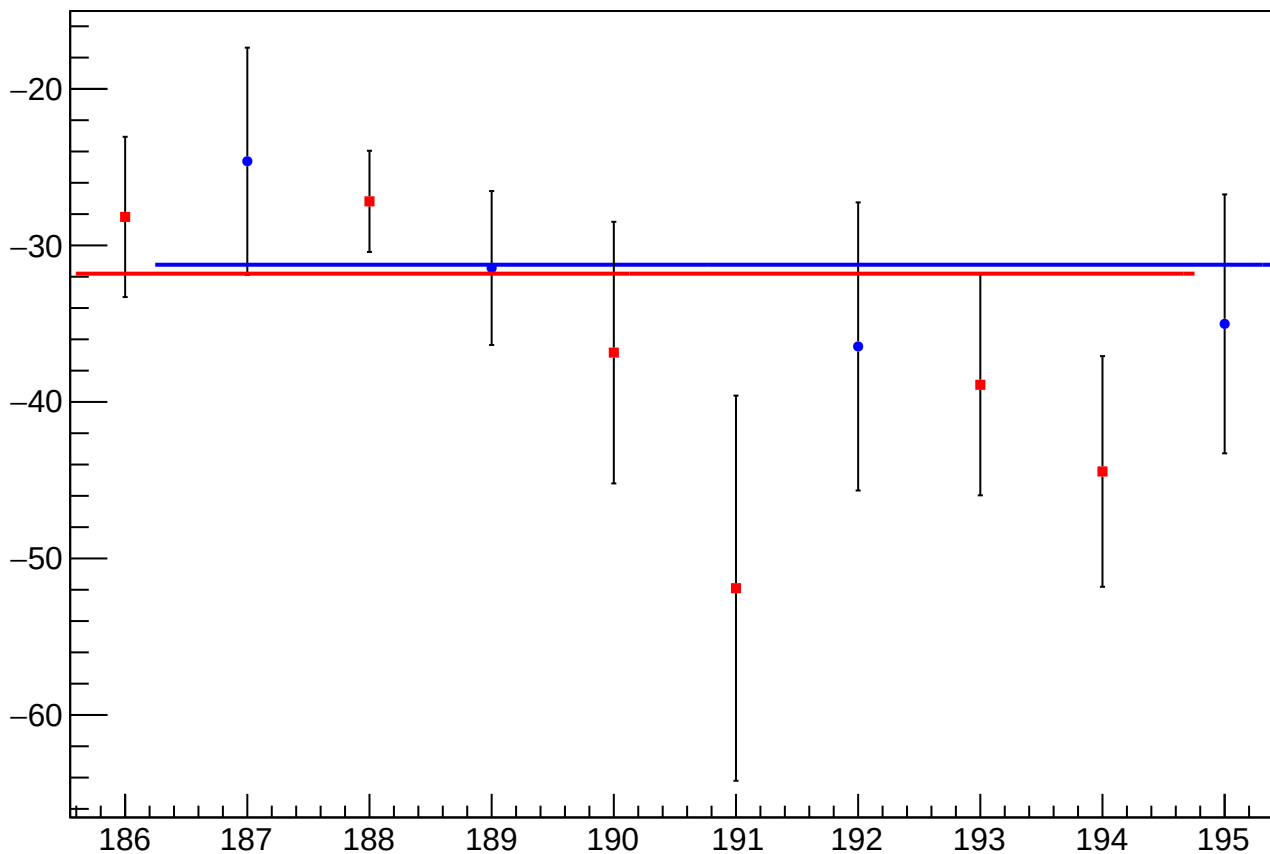
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 247.508 $\pm$ 1.487  $\chi^2$ /NDF: 1993.3/9

- 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: -31.804 $\pm$ 2.275  $\chi^2$ /NDF: 9.5/5

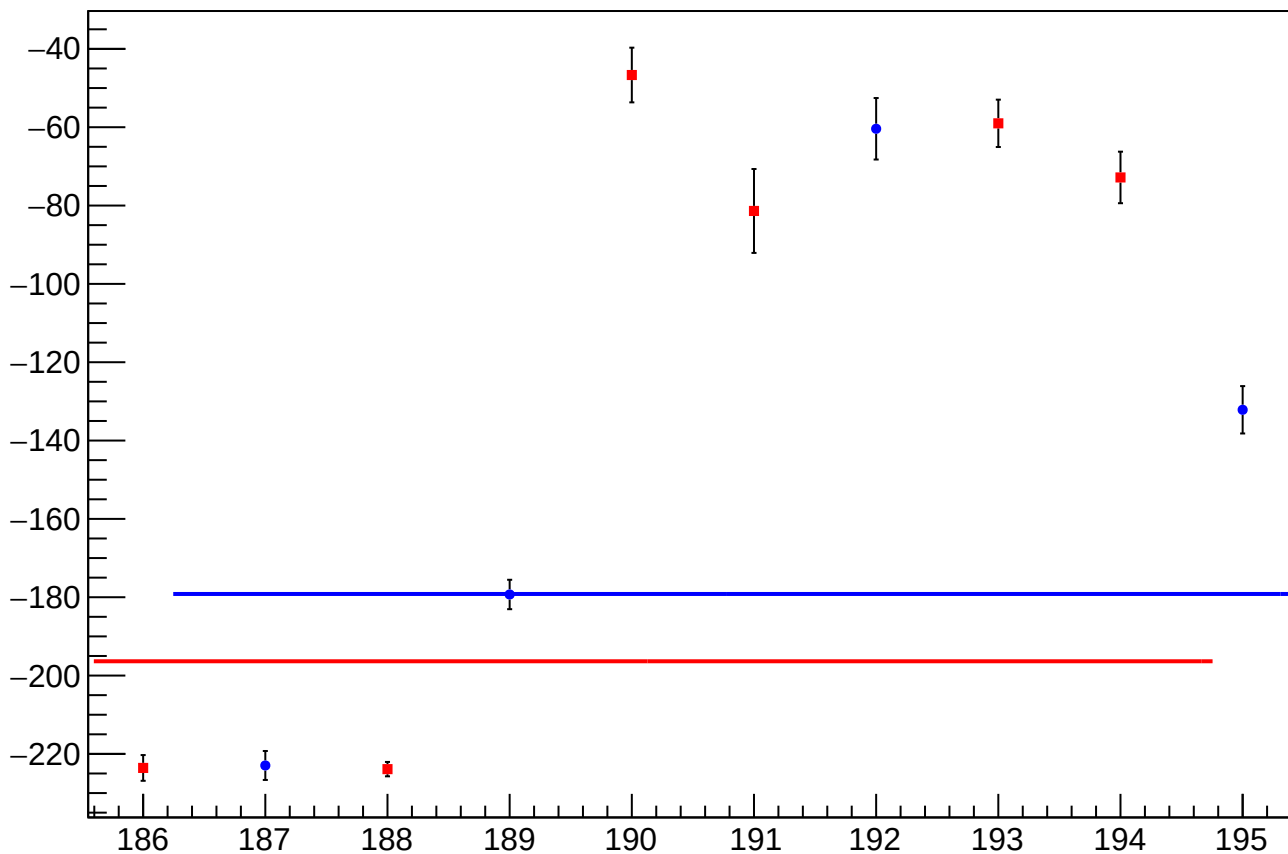
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -31.627 $\pm$ 1.890  $\chi^2$ /NDF: 10.9/9

- 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:  $-196.351 \pm 1.461$   $\chi^2/\text{NDF}$ : 1736.9/5

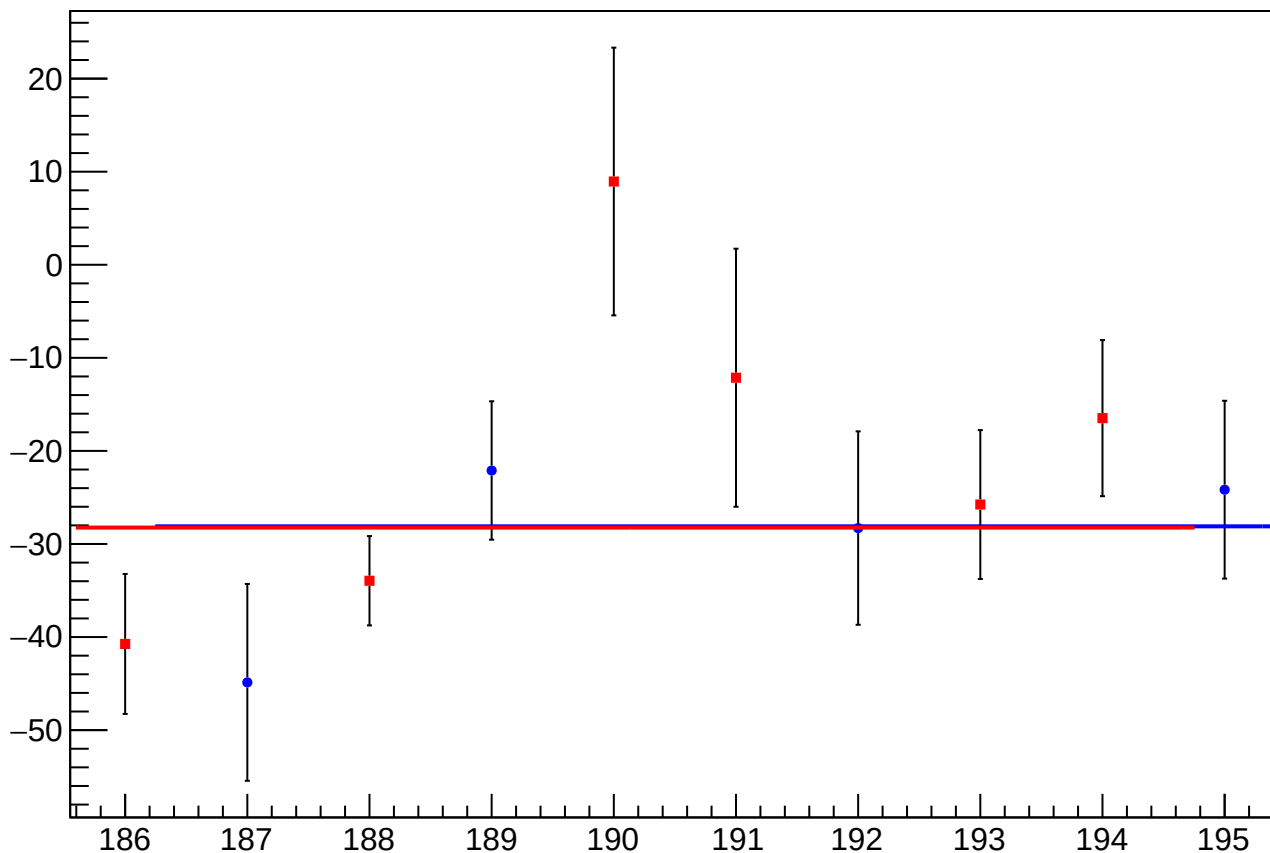
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-191.437 \pm 1.234$   $\chi^2/\text{NDF}$ : 2206.1/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug



Right In:  $-28.104 \pm 4.601$   $\chi^2/\text{NDF}$ : 3.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-28.235 \pm 3.147$   $\chi^2/\text{NDF}$ : 14.3/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

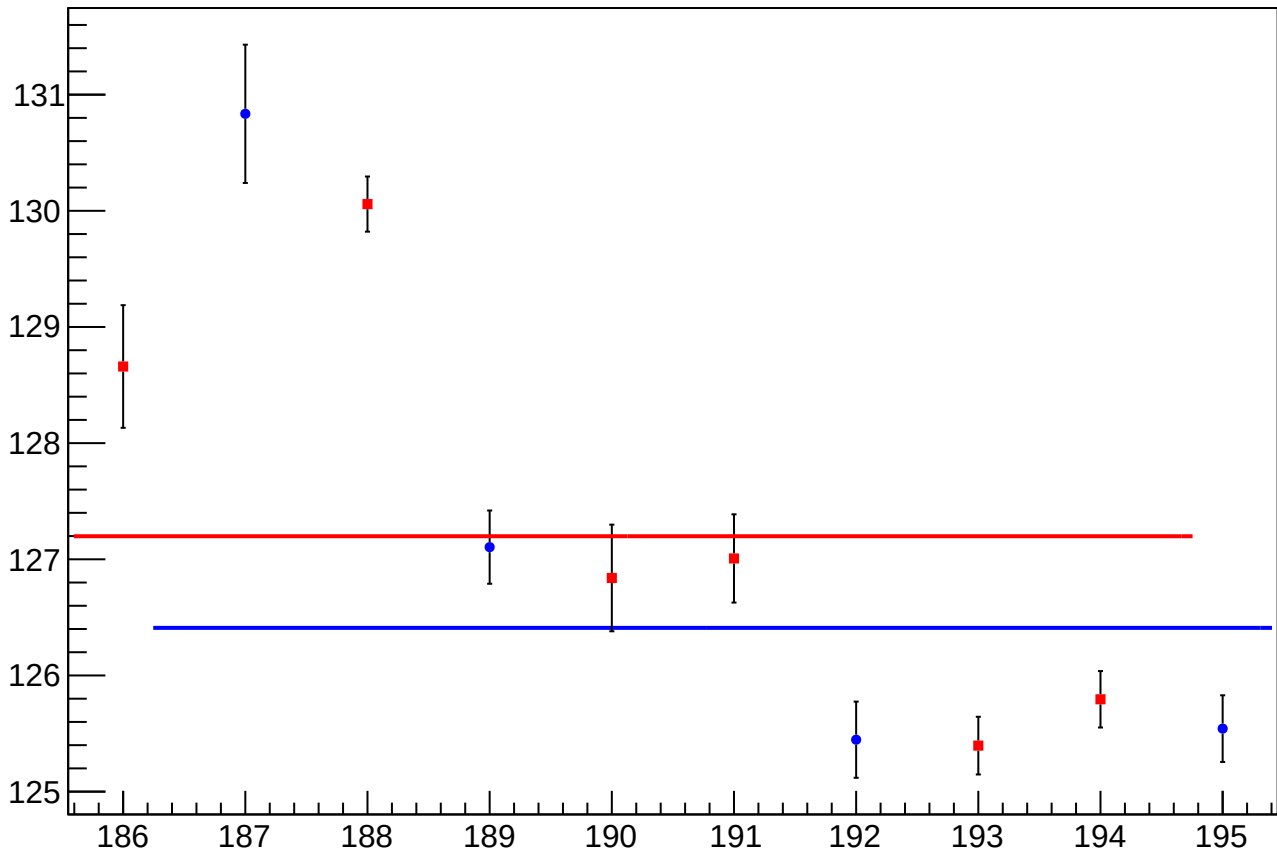
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-28.193 \pm 2.597$   $\chi^2/\text{NDF}$ : 17.6/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug



Right In: 126.410 $\pm$ 0.171  $\chi^2$ /NDF: 77.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 127.199 $\pm$ 0.123  $\chi^2$ /NDF: 239.8/5

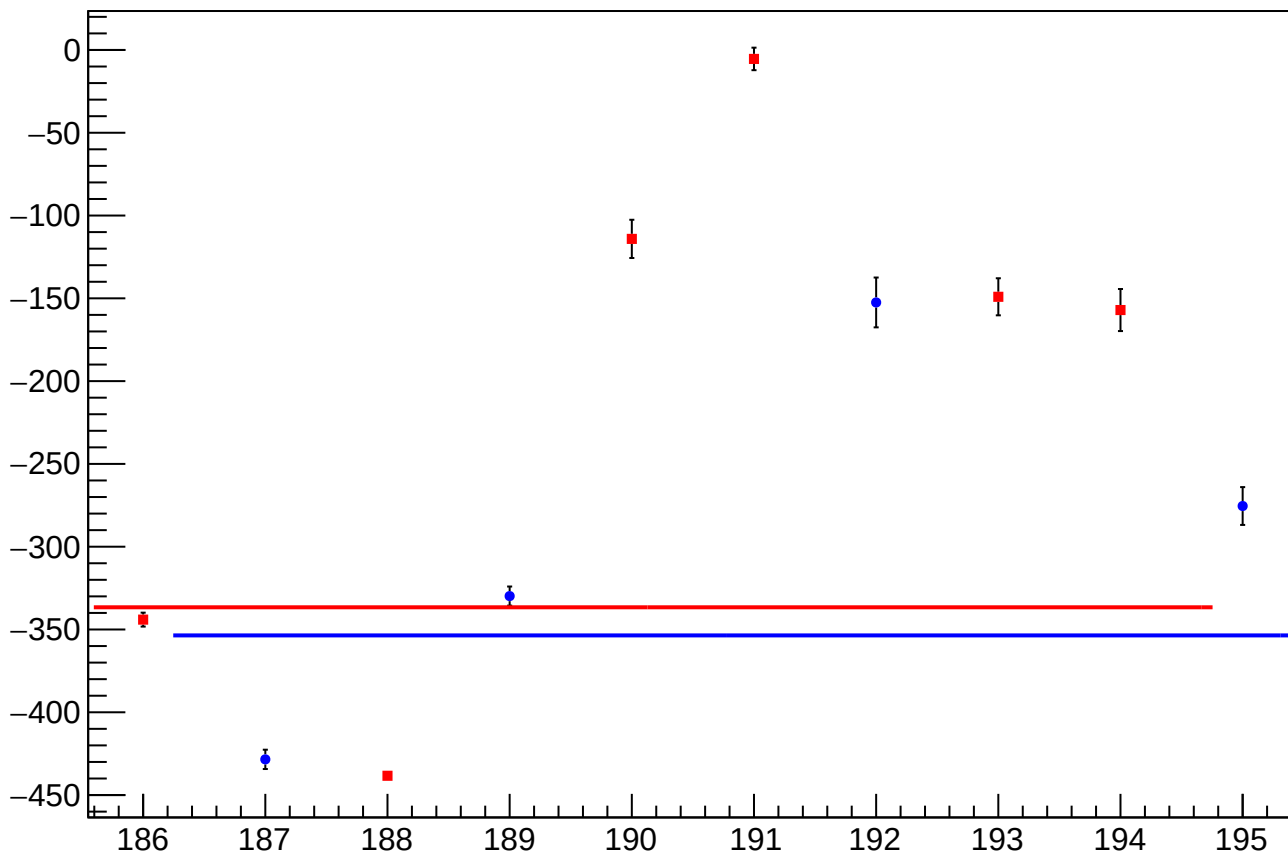
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 126.929 $\pm$ 0.100  $\chi^2$ /NDF: 331.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atr\_avg\_diff\_bpm1X\_slope vs Slug



Right In:  $-353.574 \pm 3.739$   $\chi^2/\text{NDF}$ : 407.1/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-336.596 \pm 2.191$   $\chi^2/\text{NDF}$ : 4351.9/5

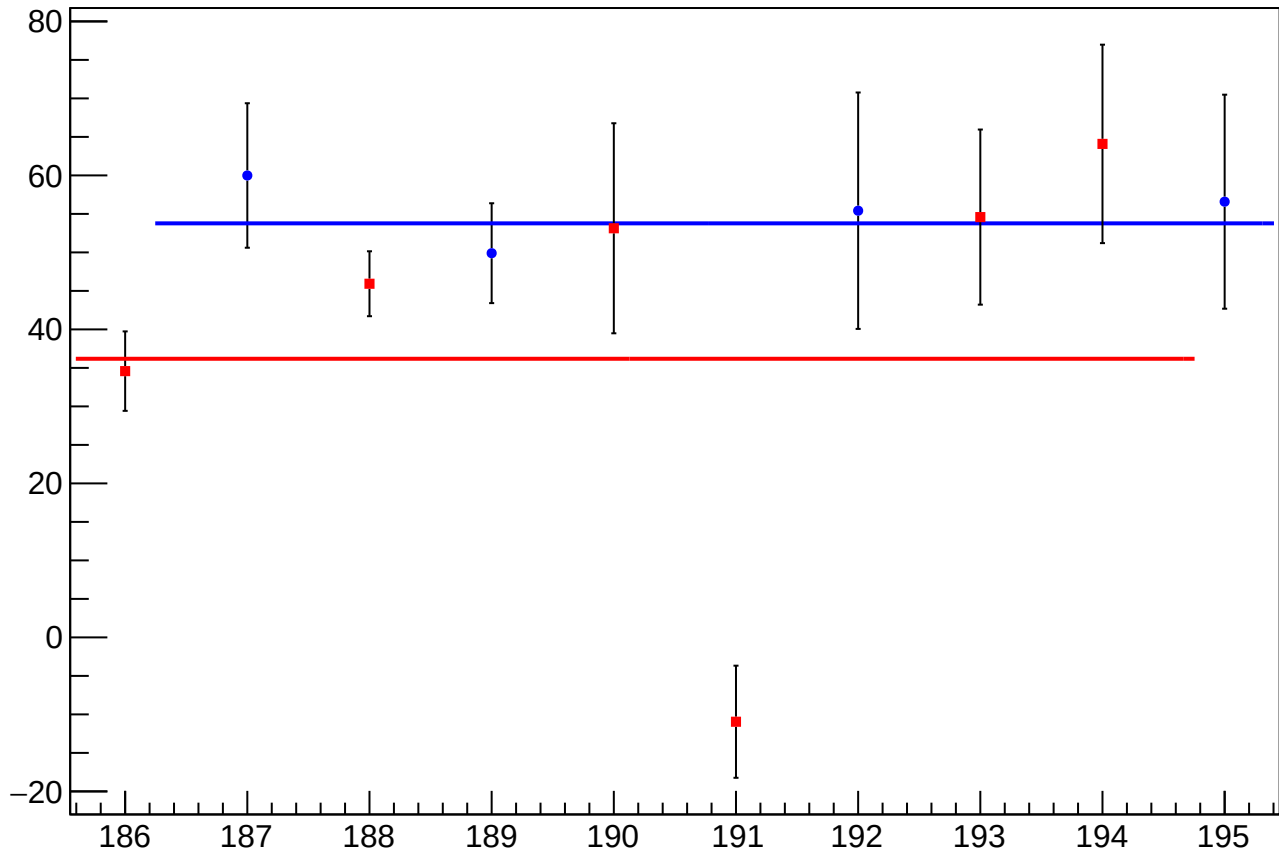
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-340.935 \pm 1.890$   $\chi^2/\text{NDF}$ : 4774.4/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 36.185 $\pm$ 2.755  $\chi^2$ /NDF: 56.2/5

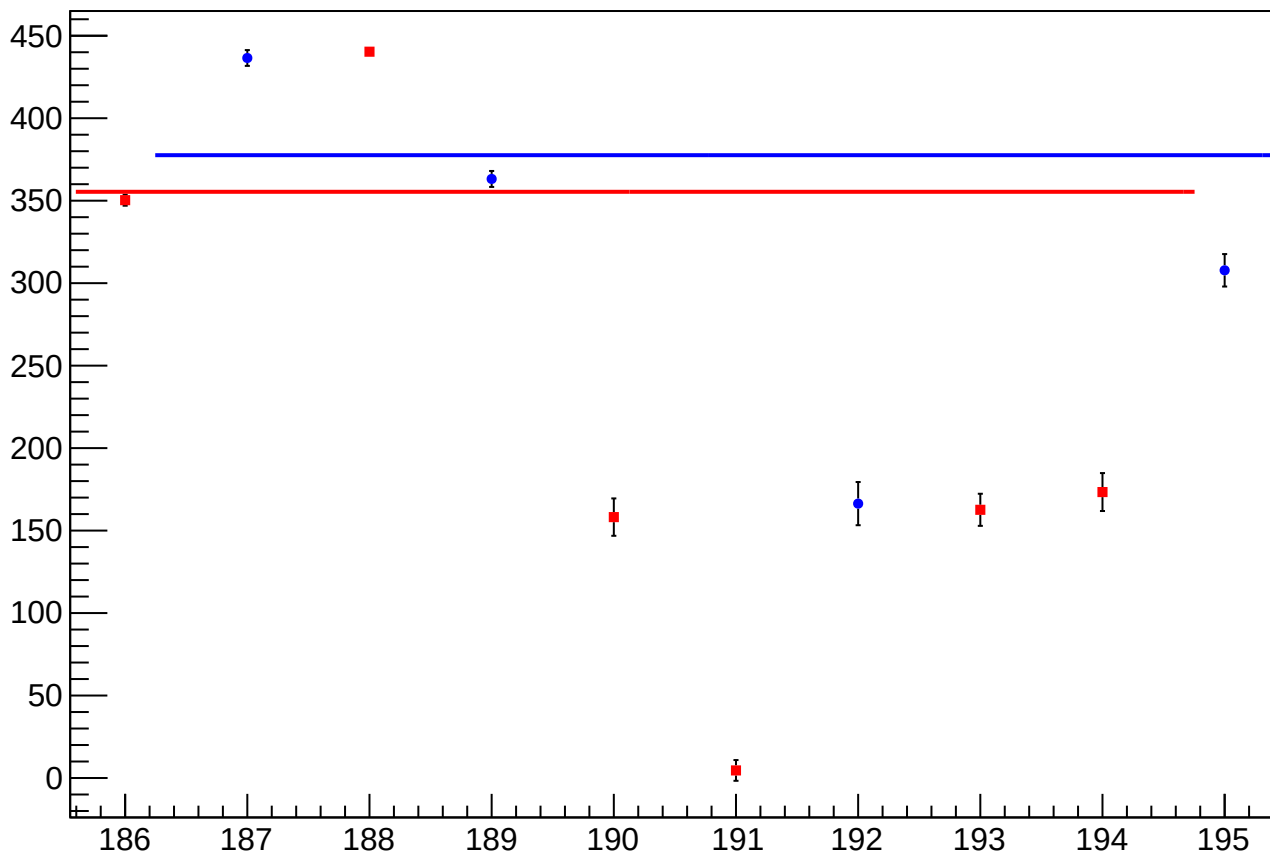
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 40.629 $\pm$ 2.381  $\chi^2$ /NDF: 67.4/9

- 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: 355.395 $\pm$ 1.802  $\chi^2$ /NDF: 5268.3/5

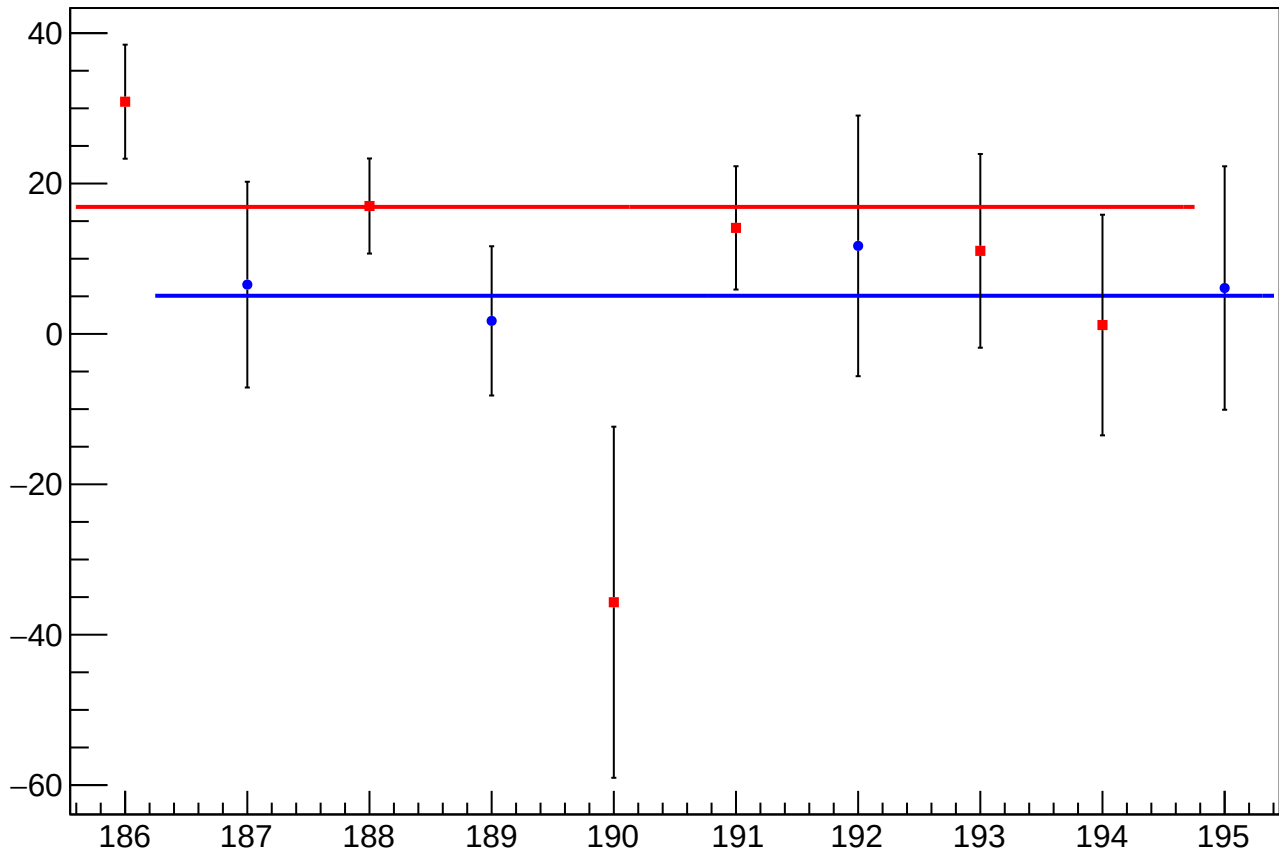
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 360.935 $\pm$ 1.561  $\chi^2$ /NDF: 5777.0/9

- 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: 16.893+/-3.786  $\chi^2/\text{NDF}$ : 9.9/5

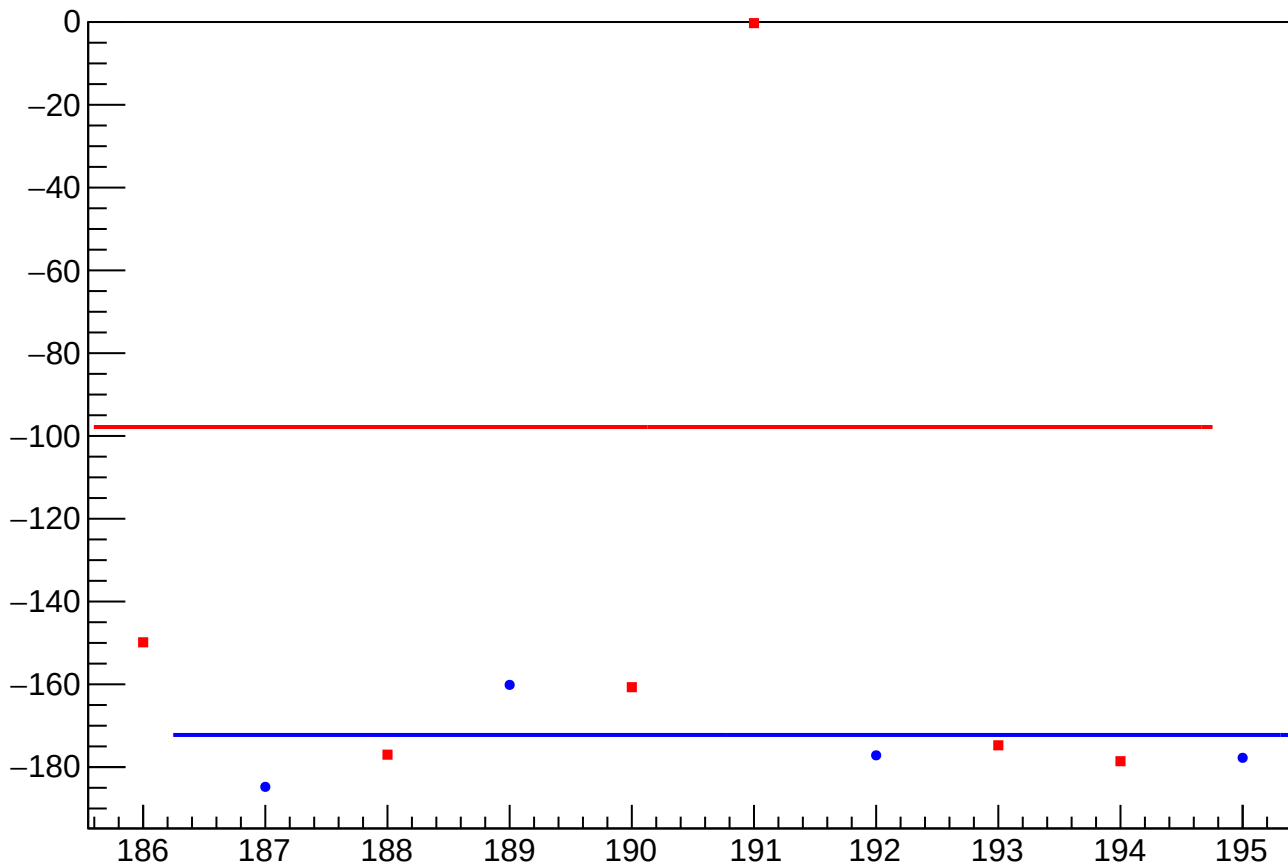
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 13.999+/-3.289  $\chi^2/\text{NDF}$ : 12.6/9

- 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+/-0.266  $\chi^2/\text{NDF}$ : 1195.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -97.838+/-0.148  $\chi^2/\text{NDF}$ : 335421.2/5

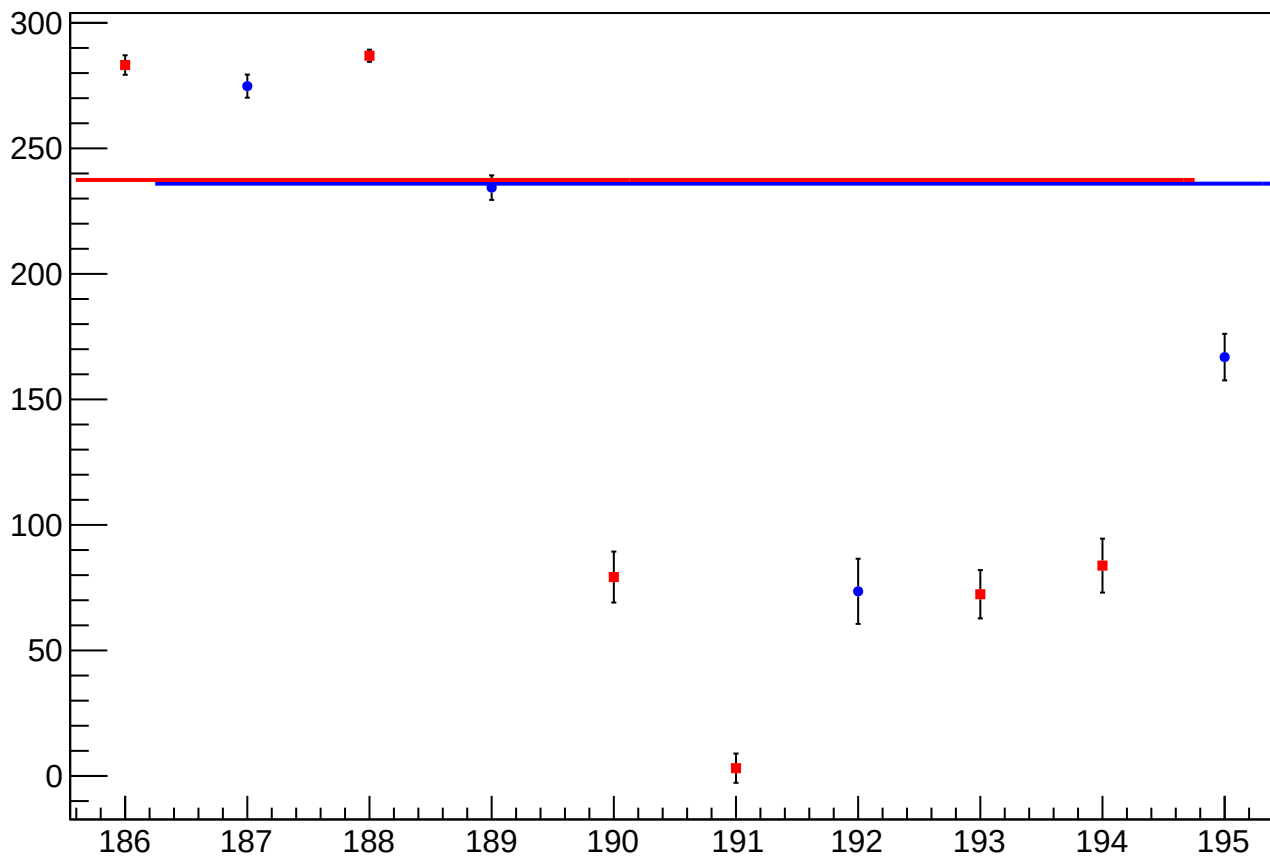
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -115.301+/-0.129  $\chi^2/\text{NDF}$ : 396289.2/9

- sign 0.000+/-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: 237.429 $\pm$ 1.835  $\chi^2$ /NDF: 2918.7/5

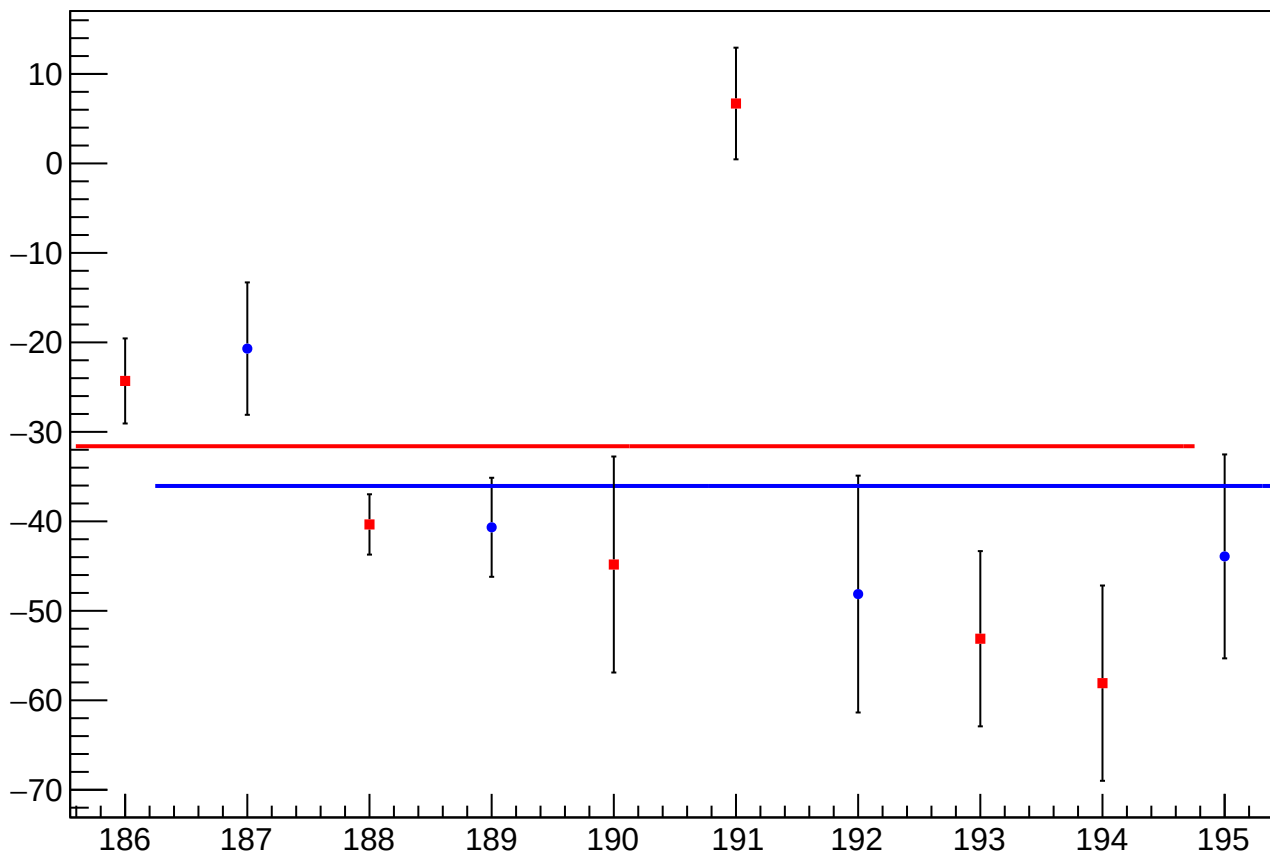
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 237.037 $\pm$ 1.574  $\chi^2$ /NDF: 3202.5/9

- 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:  $-31.605 \pm 2.334$   $\chi^2/\text{NDF}$ : 58.7/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

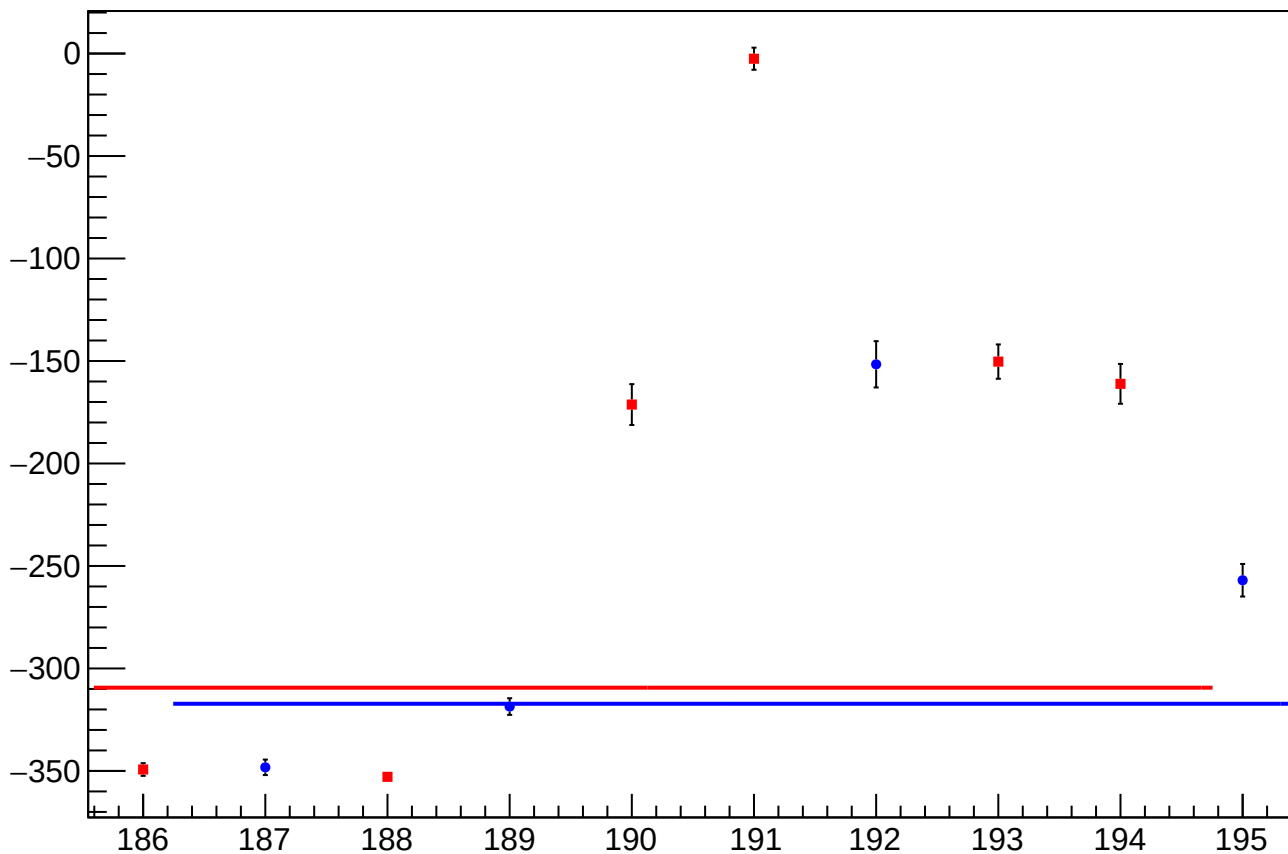
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-32.757 \pm 2.008$   $\chi^2/\text{NDF}$ : 65.9/9

- 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:  $-309.380 \pm 1.507$   $\chi^2/\text{NDF}$ : 4694.3/5

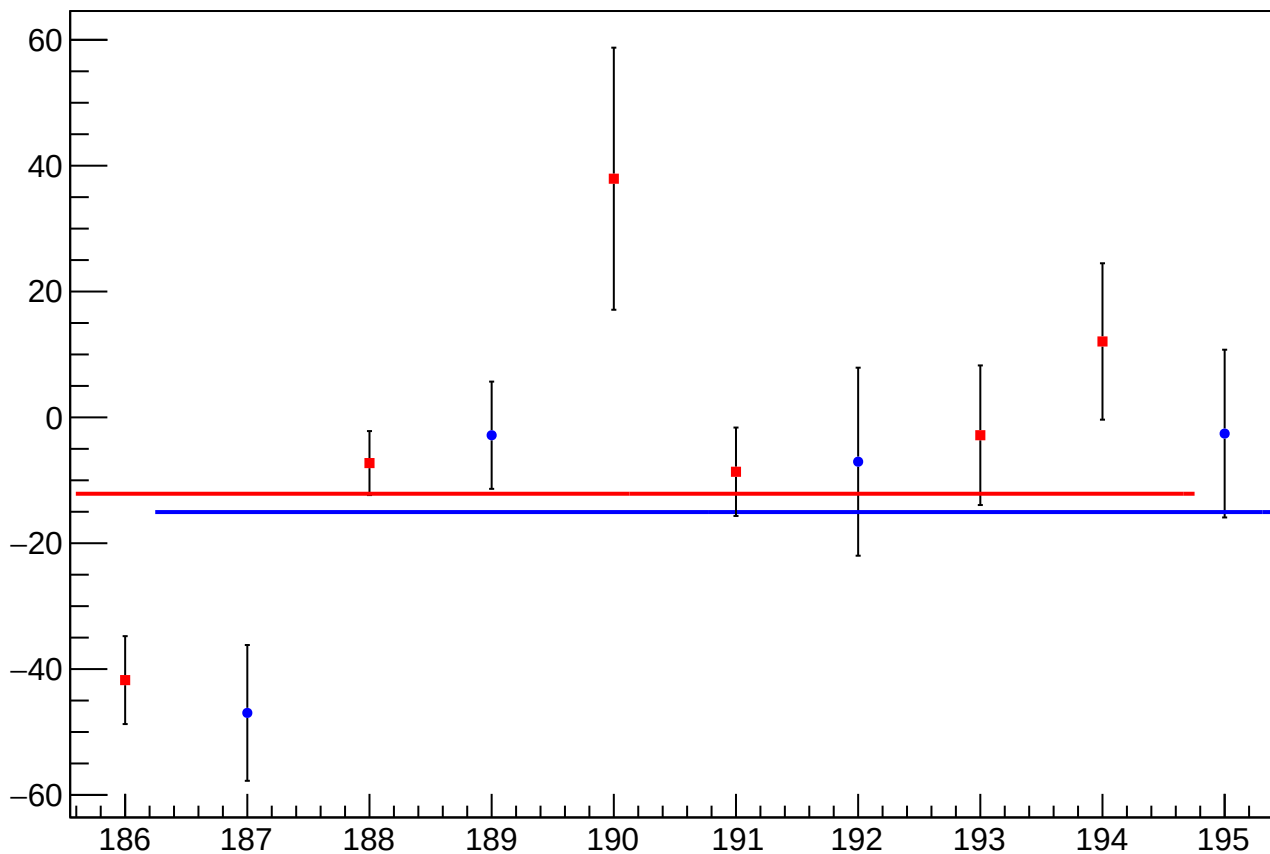
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-311.417 \pm 1.296$   $\chi^2/\text{NDF}$ : 5041.5/9

- 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  $\chi^2$ /NDF: 12.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -12.135 $\pm$ 3.222  $\chi^2$ /NDF: 29.4/5

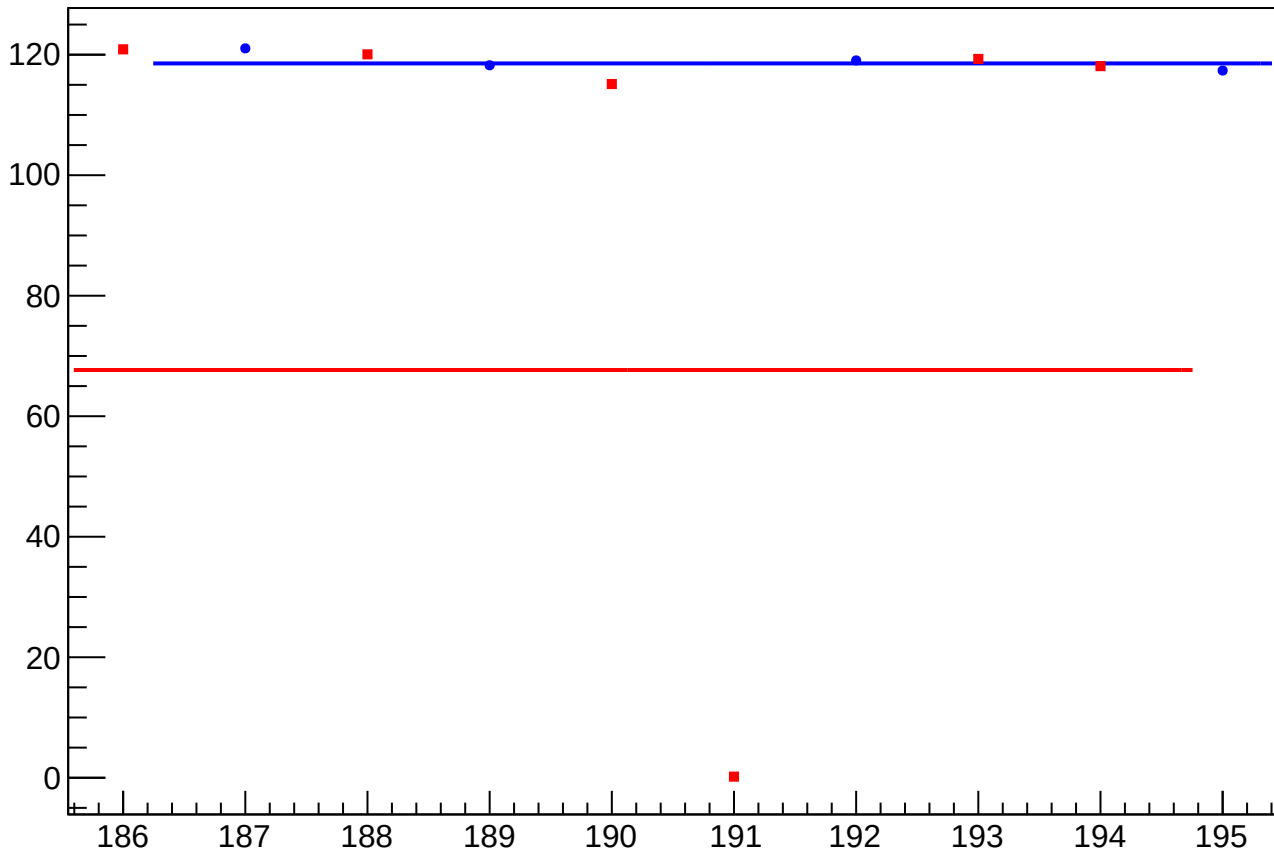
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -12.869 $\pm$ 2.787  $\chi^2$ /NDF: 41.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 67.671 $\pm$ 0.127  $\chi^2$ /NDF: 217379.1/5

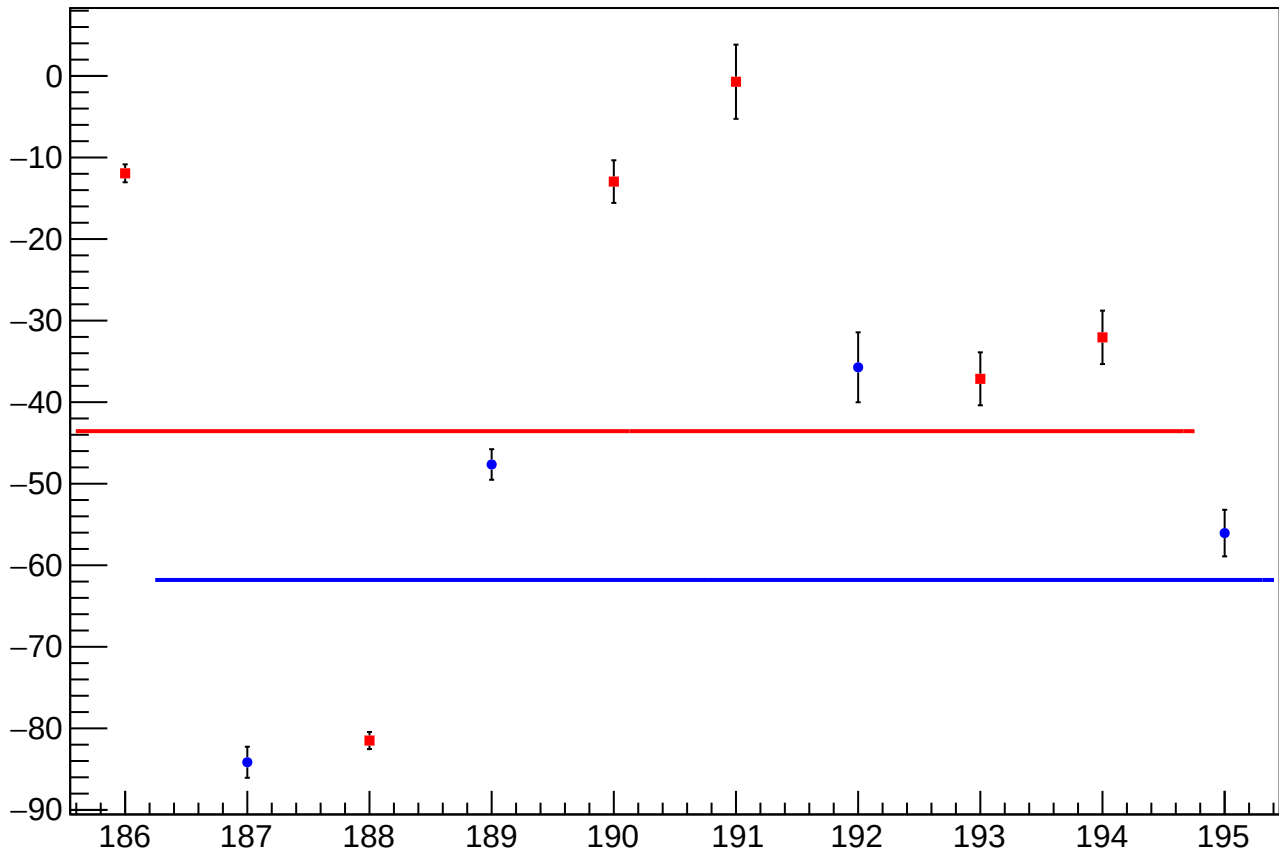
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 79.625 $\pm$ 0.111  $\chi^2$ /NDF: 255393.6/9

- 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:  $-43.556 \pm 0.687$   $\chi^2/\text{NDF}$ : 2378.3/5

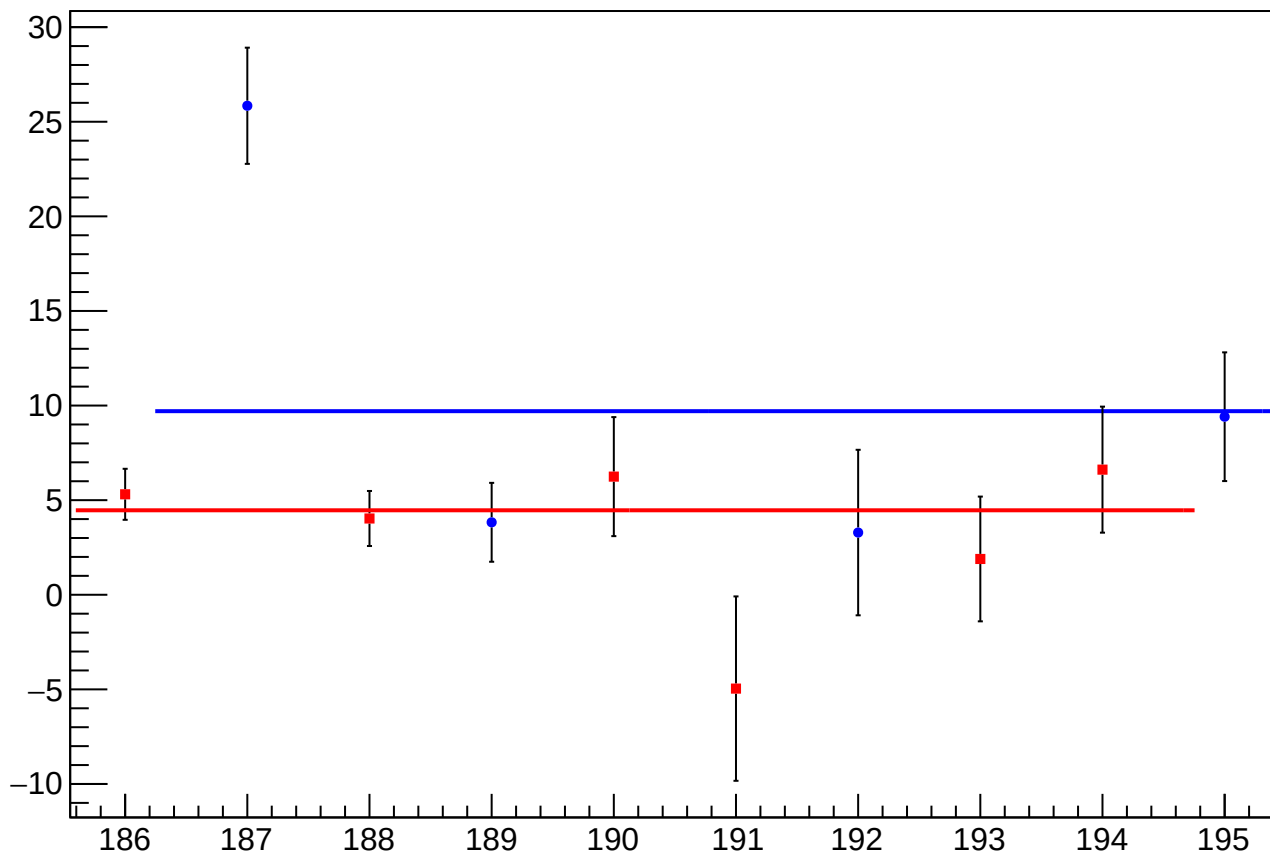
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-48.262 \pm 0.592$   $\chi^2/\text{NDF}$ : 2796.1/9

- 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: 4.465 $\pm$ 0.861  $\chi^2$ /NDF: 5.6/5

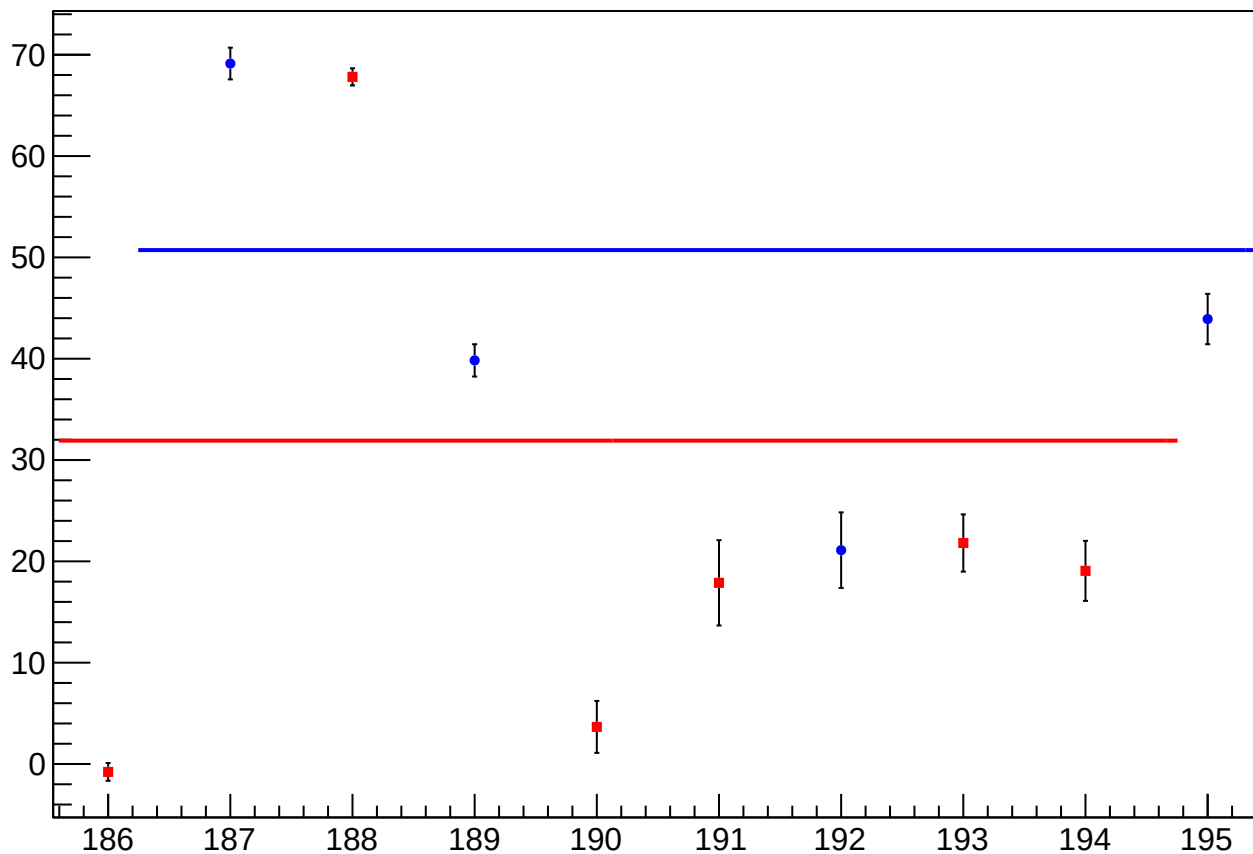
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.829 $\pm$ 0.741  $\chi^2$ /NDF: 52.9/9

- 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: 31.917 $\pm$ 0.564  $\chi^2$ /NDF: 3355.5/5

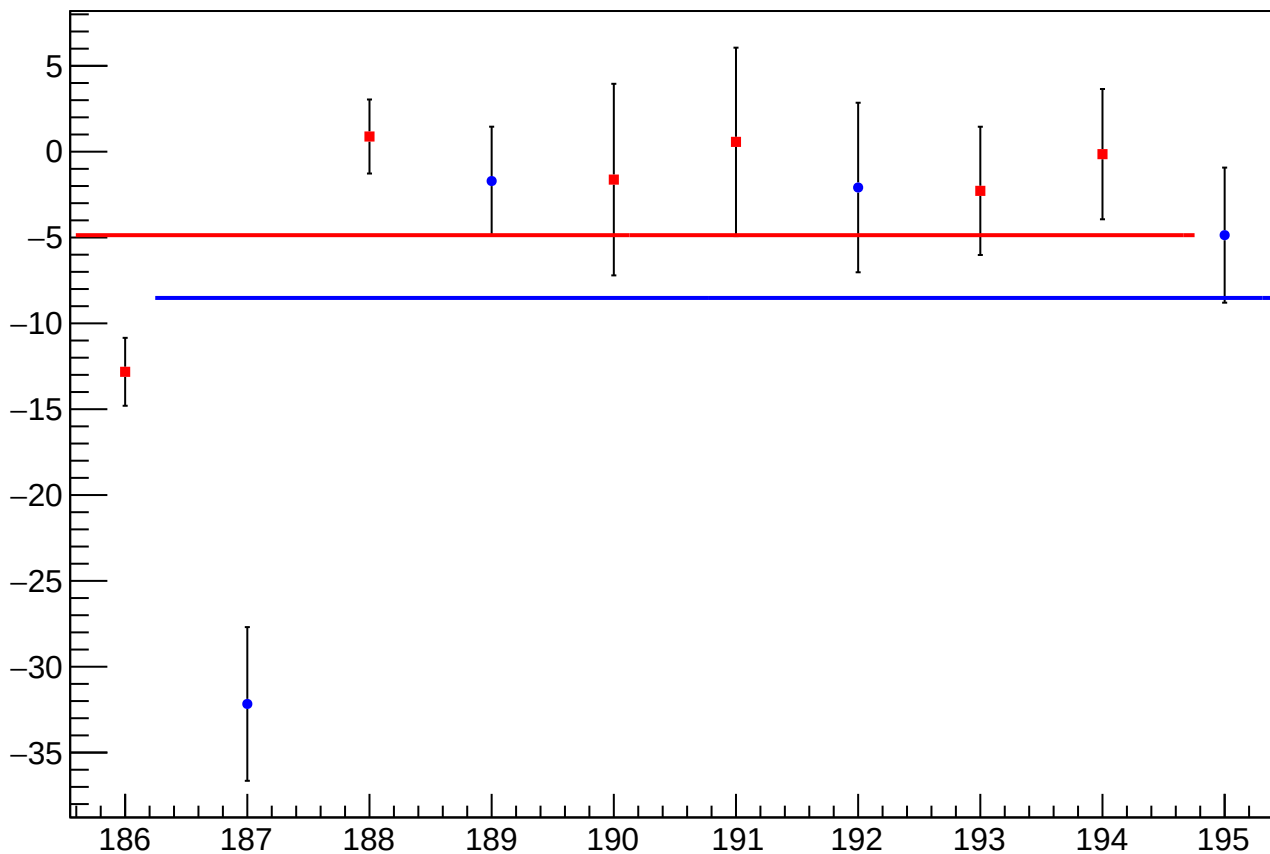
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 36.573 $\pm$ 0.489  $\chi^2$ /NDF: 3886.3/9

- 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: -4.864+/-1.215  $\chi^2/\text{NDF}$ : 26.6/5

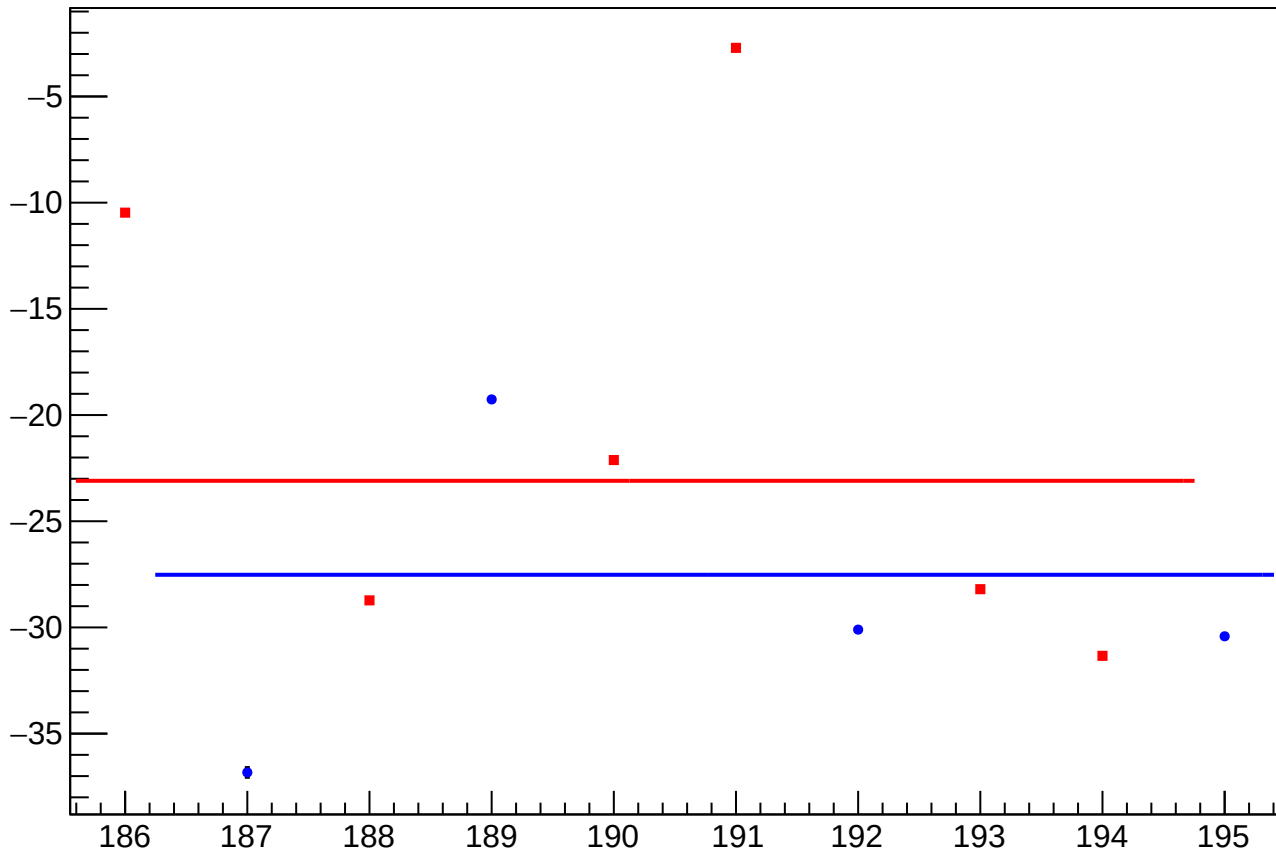
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.865+/-1.036  $\chi^2/\text{NDF}$ : 64.2/9

- 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:  $-23.097 \pm 0.052$   $\chi^2/\text{NDF}$ : 36757.2/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

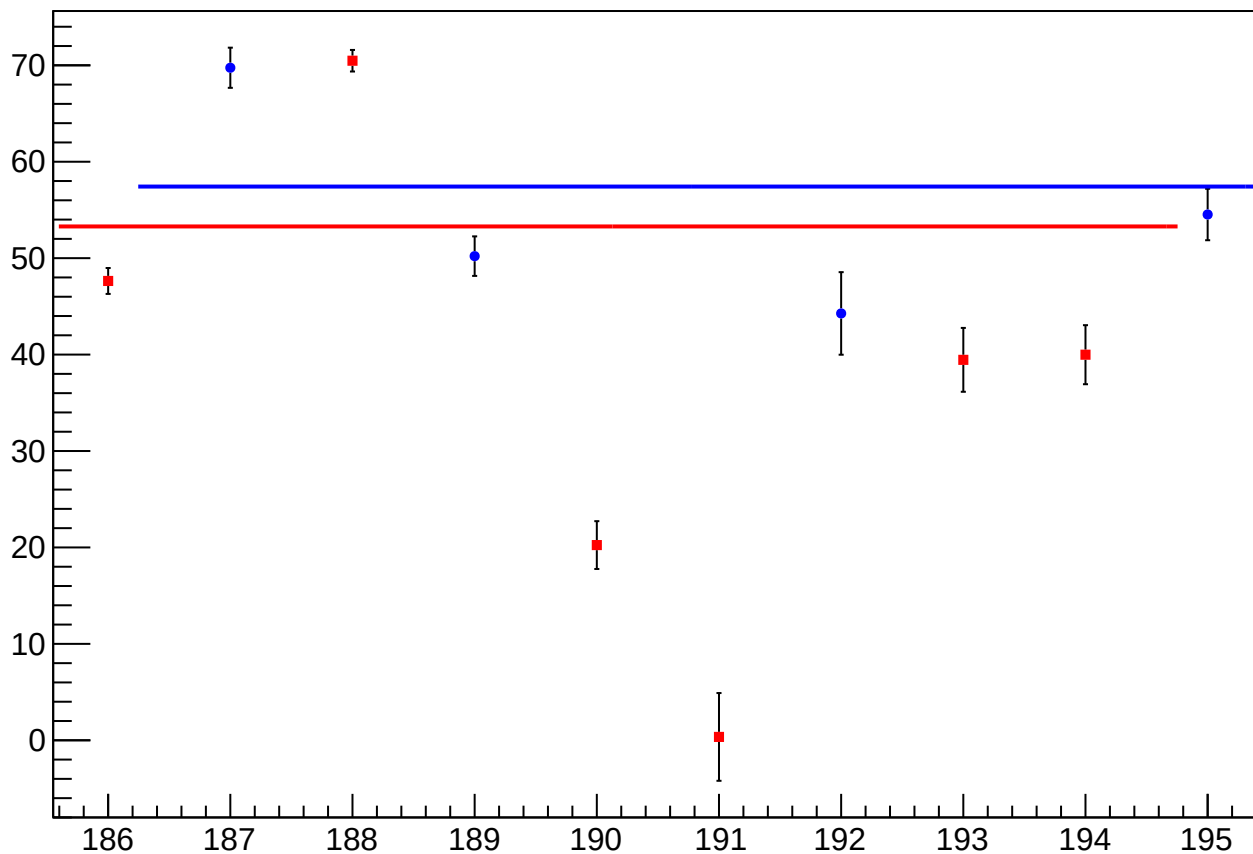
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-24.563 \pm 0.042$   $\chi^2/\text{NDF}$ : 45185.8/9

- 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 $\pm$ 1.228  $\chi^2$ /NDF: 58.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 53.289 $\pm$ 0.753  $\chi^2$ /NDF: 603.1/5

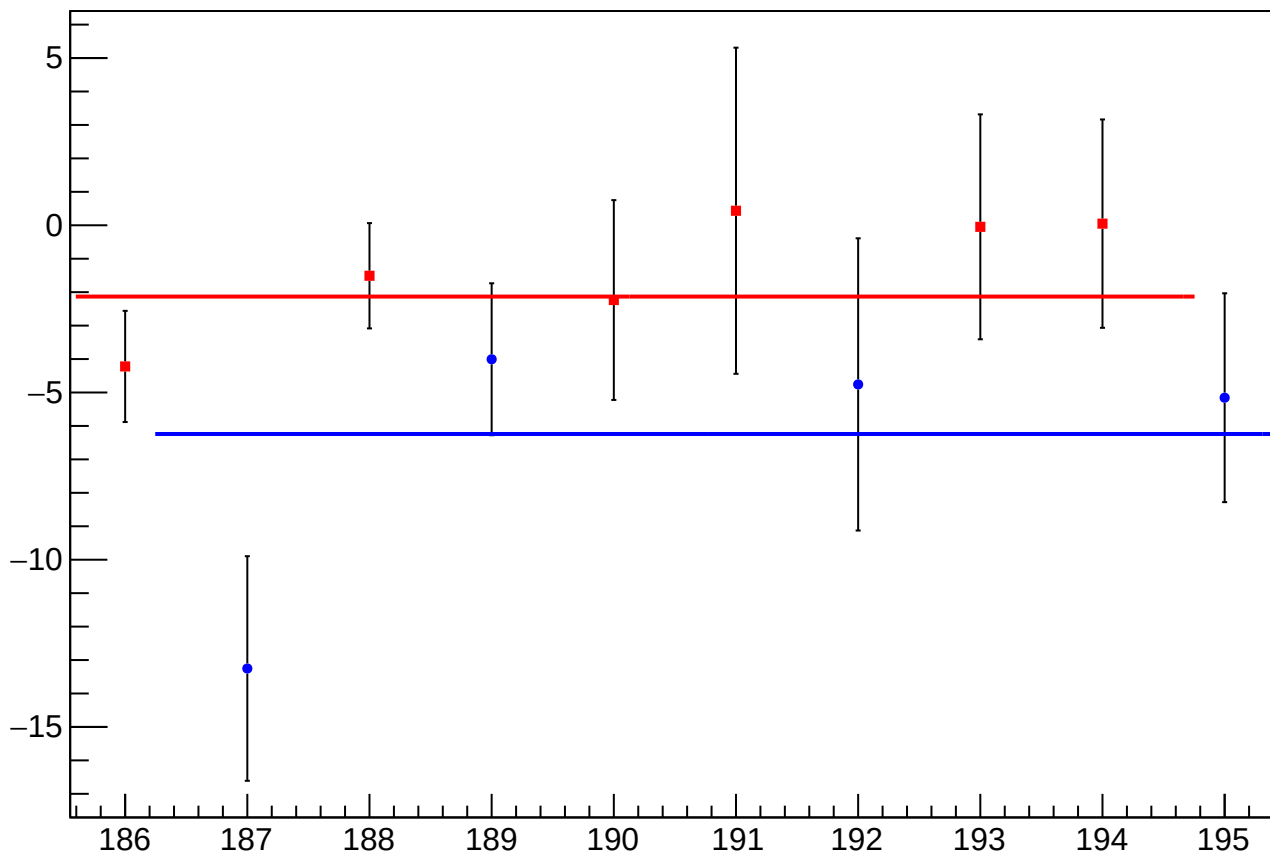
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 54.420 $\pm$ 0.642  $\chi^2$ /NDF: 669.4/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug



Right In:  $-6.241 \pm 1.512$   $\chi^2/\text{NDF}$ : 5.6/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.131 \pm 0.949$   $\chi^2/\text{NDF}$ : 2.9/5

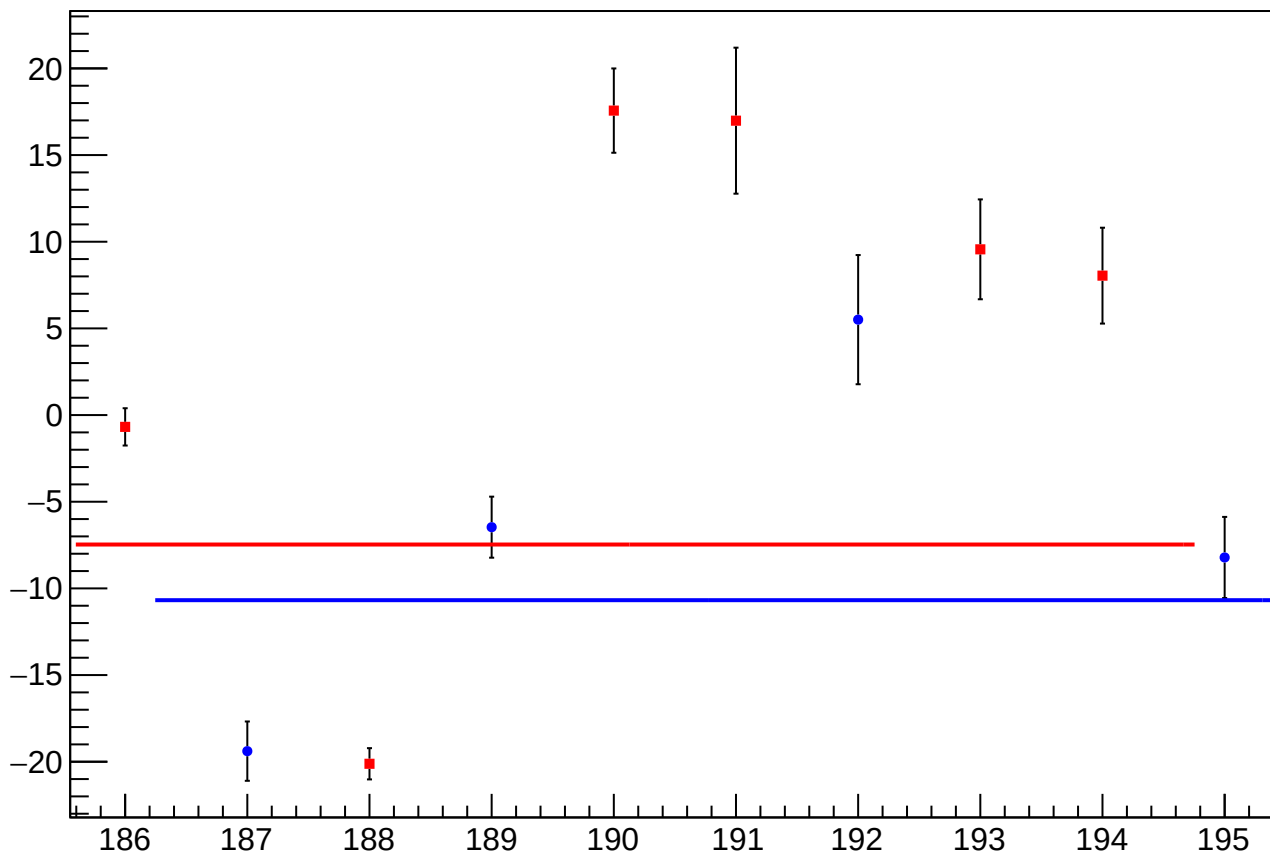
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-3.292 \pm 0.804$   $\chi^2/\text{NDF}$ : 13.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: -7.469 $\pm$ 0.624  $\chi^2$ /NDF: 442.6/5

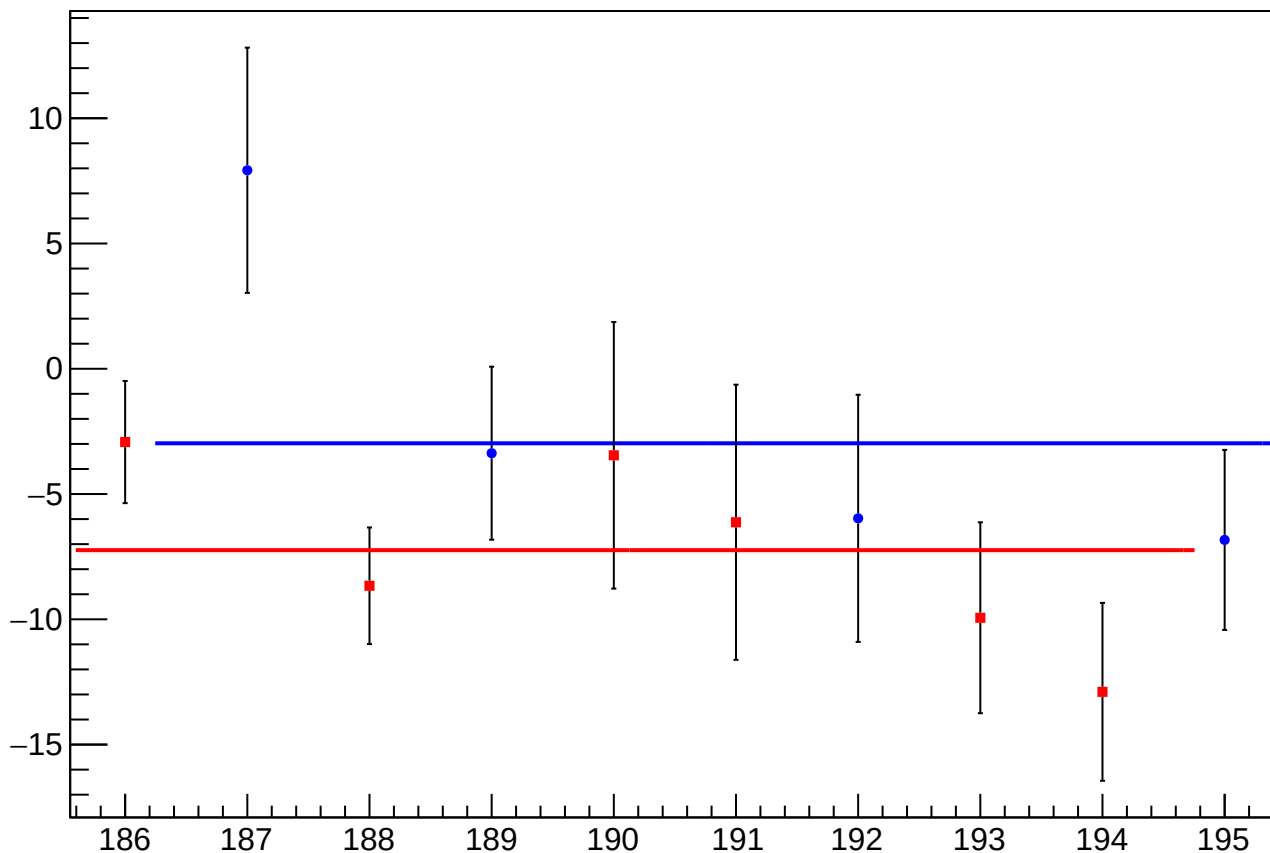
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -8.315 $\pm$ 0.535  $\chi^2$ /NDF: 501.2/9

- 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+/-2.024  $\chi^2/\text{NDF}$ : 6.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -7.240+/-1.325  $\chi^2/\text{NDF}$ : 7.1/5

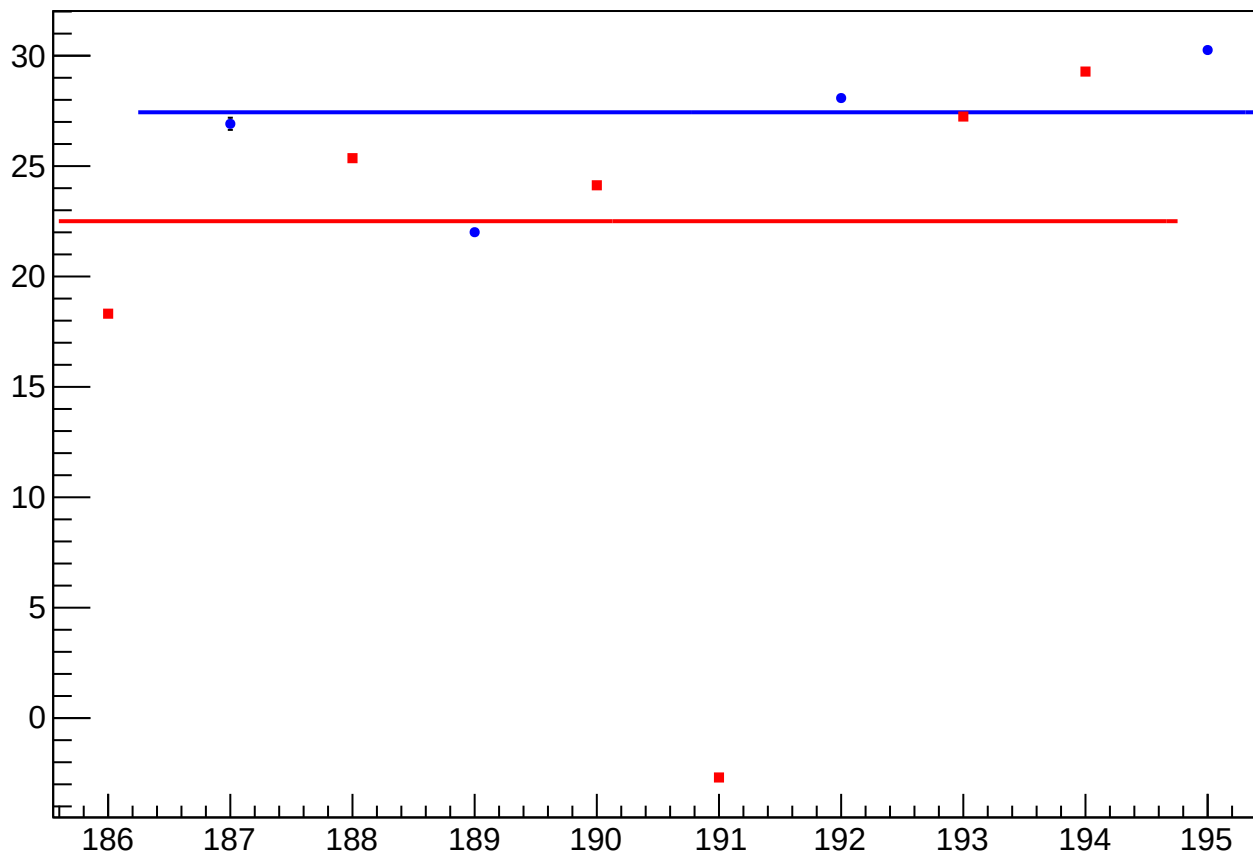
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.960+/-1.109  $\chi^2/\text{NDF}$ : 16.7/9

- sign 0.000+/-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: 22.505 $\pm$ 0.053  $\chi^2$ /NDF: 35346.3/5

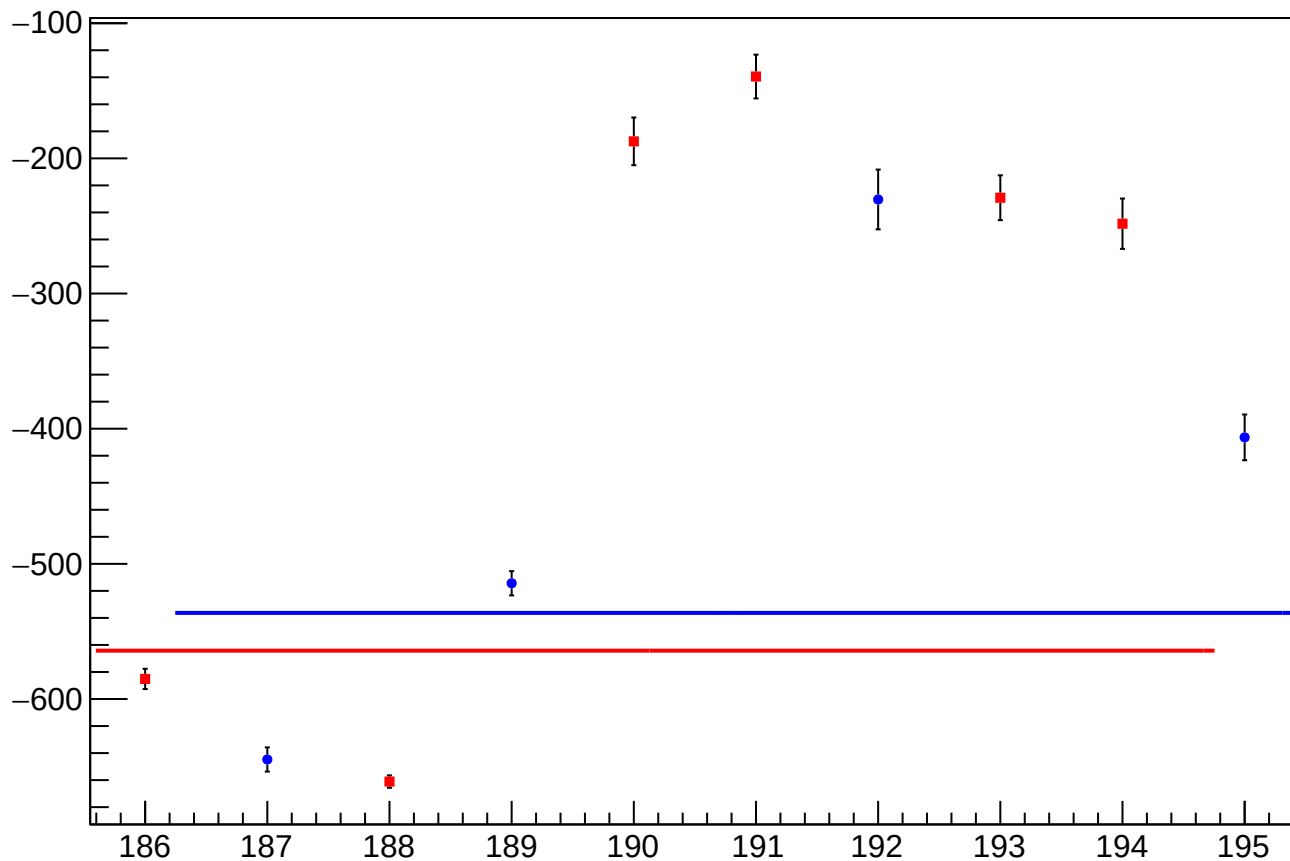
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 24.229 $\pm$ 0.043  $\chi^2$ /NDF: 40537.8/9

- 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  $\chi^2/\text{NDF}$ : 402.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -564.229+/-3.564  $\chi^2/\text{NDF}$ : 2293.6/5

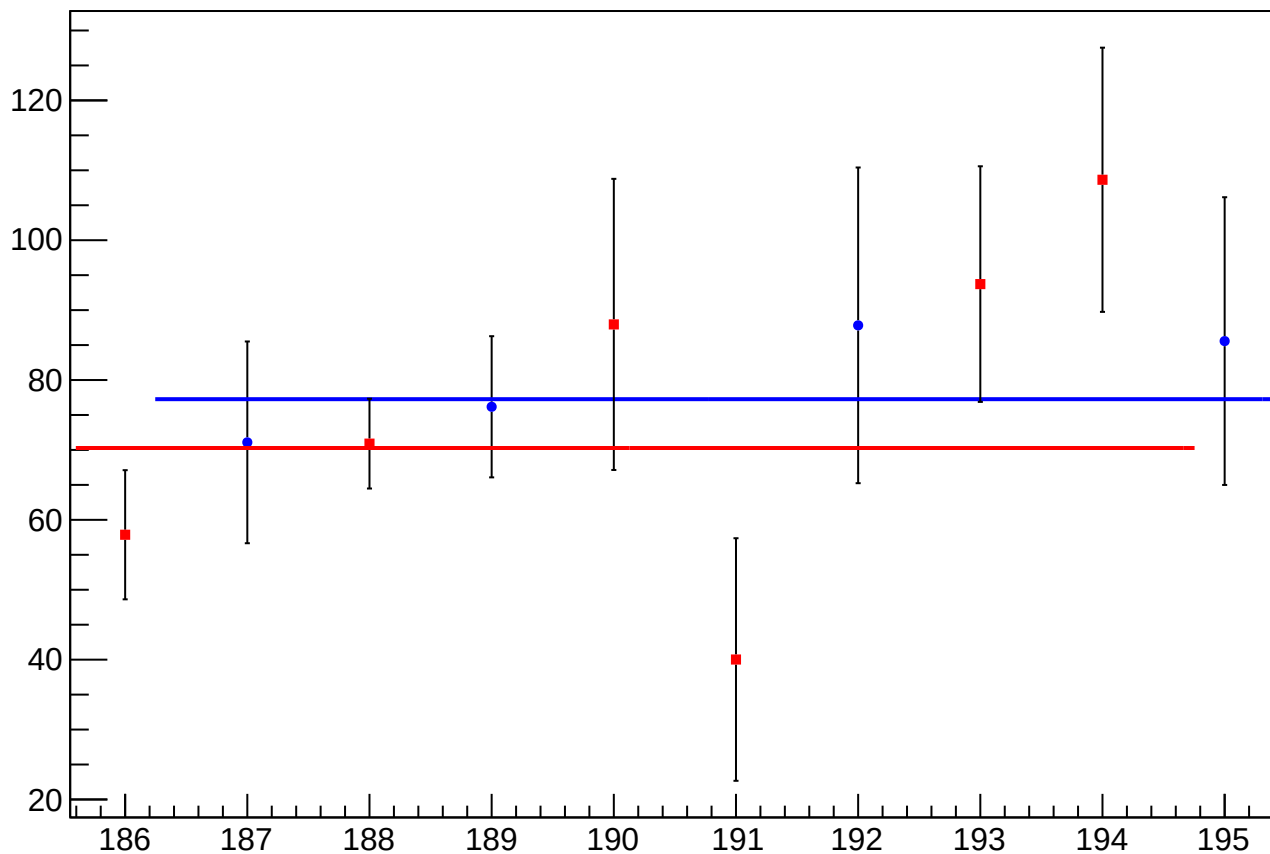
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -556.447+/-3.027  $\chi^2/\text{NDF}$ : 2713.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 77.261+/-7.268  $\chi^2/\text{NDF}$ : 0.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 70.277+/-4.568  $\chi^2/\text{NDF}$ : 11.6/5

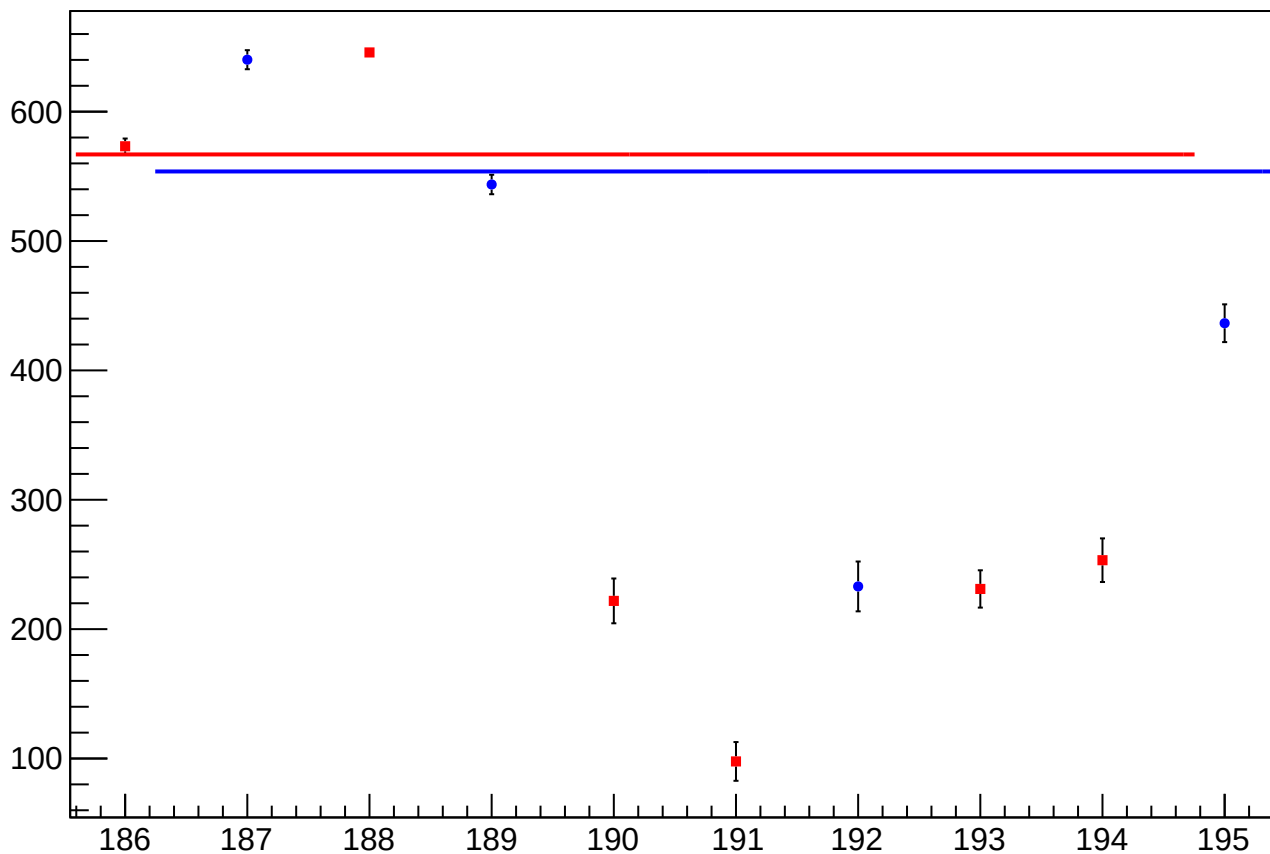
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 72.255+/-3.868  $\chi^2/\text{NDF}$ : 12.9/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 553.773+/-4.795  $\chi^2/\text{NDF}$ : 481.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 566.935+/-2.918  $\chi^2/\text{NDF}$ : 2724.0/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

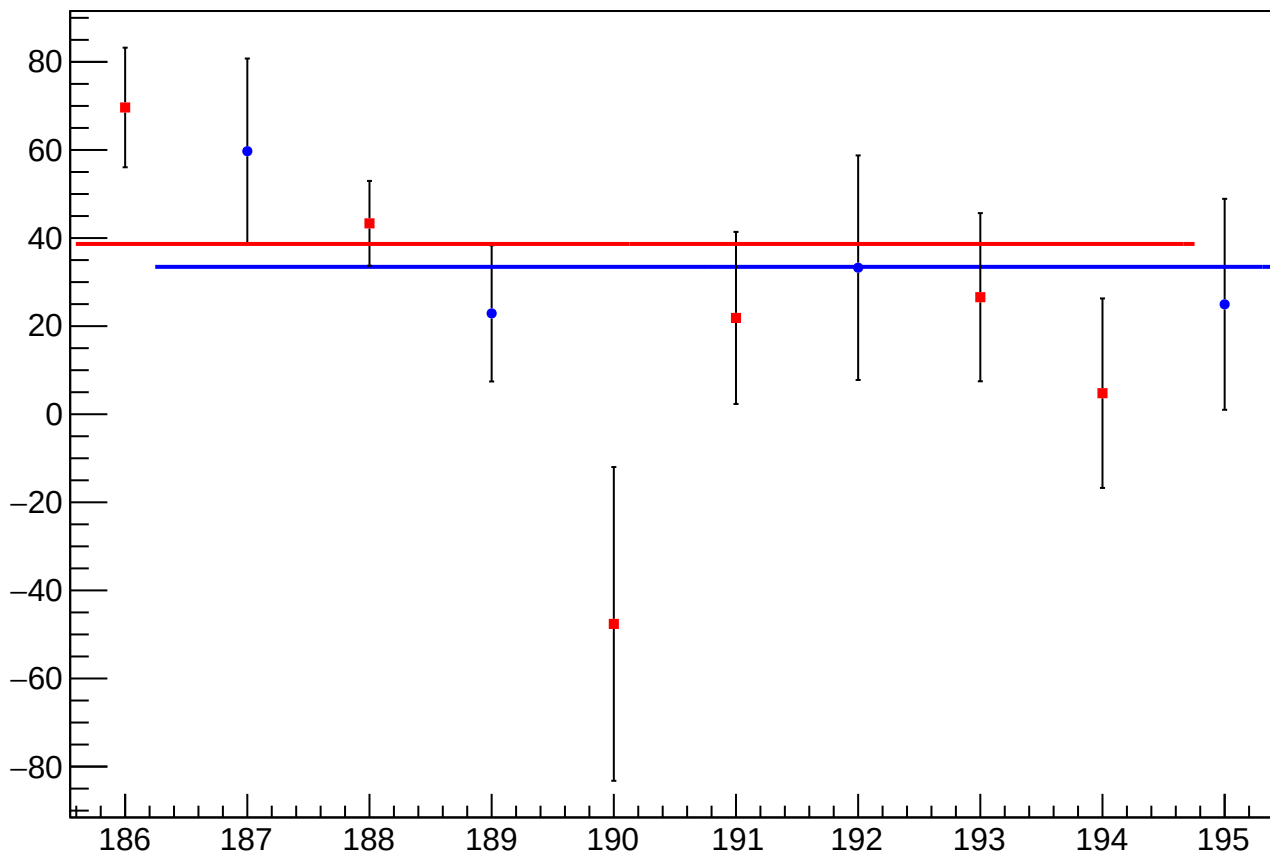
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 563.378+/-2.493  $\chi^2/\text{NDF}$ : 3210.8/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 38.665 $\pm$ 6.388  $\chi^2$ /NDF: 14.9/5

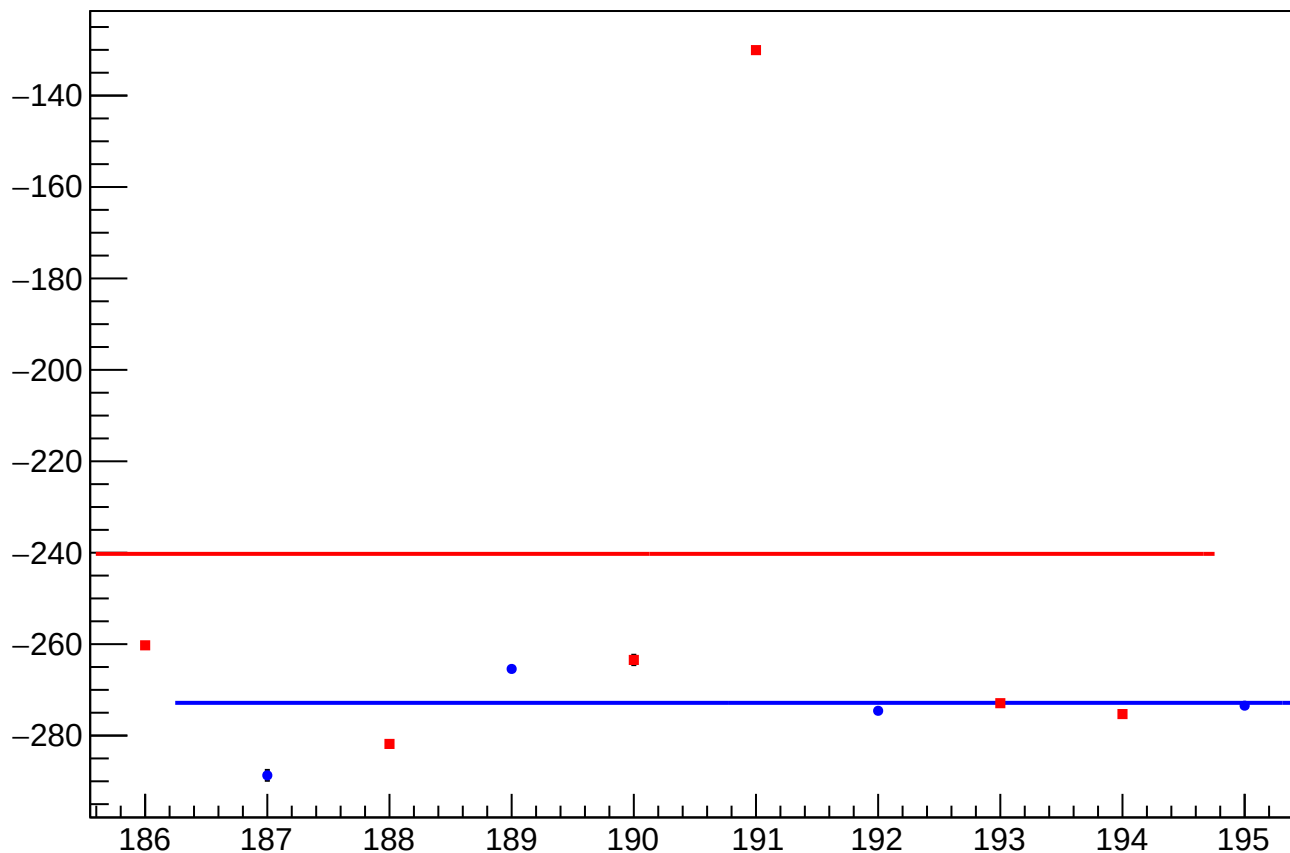
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 37.187 $\pm$ 5.405  $\chi^2$ /NDF: 17.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-272.839 \pm 0.403$   $\chi^2/\text{NDF}$ : 294.5/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-240.249 \pm 0.261$   $\chi^2/\text{NDF}$ : 56170.7/5

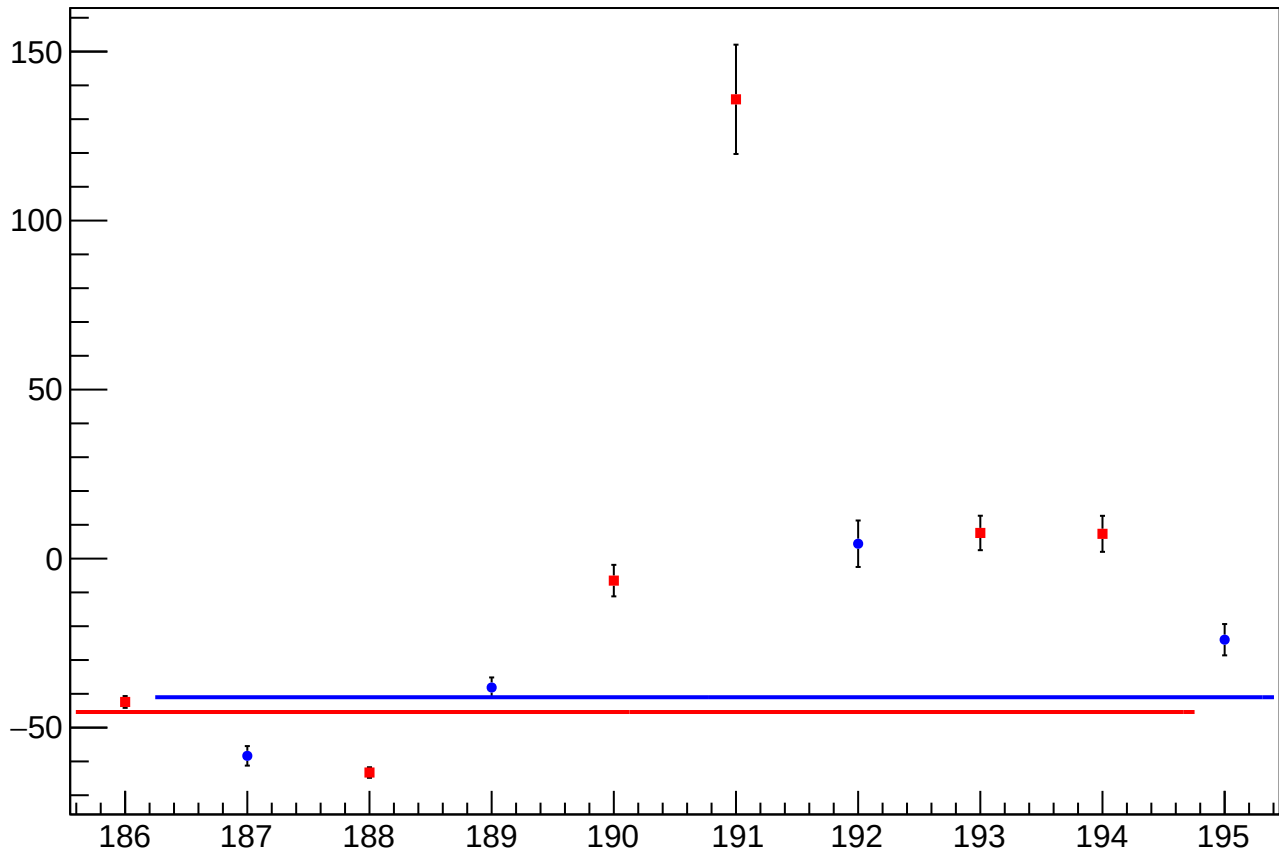
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-249.899 \pm 0.219$   $\chi^2/\text{NDF}$ : 61073.3/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_at2\_dd\_diff\_bpm1X\_slope vs Slug



Right In:  $-41.008 \pm 1.825$   $\chi^2/\text{NDF}: 94.1/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-45.379 \pm 1.077$   $\chi^2/\text{NDF}: 535.7/5$

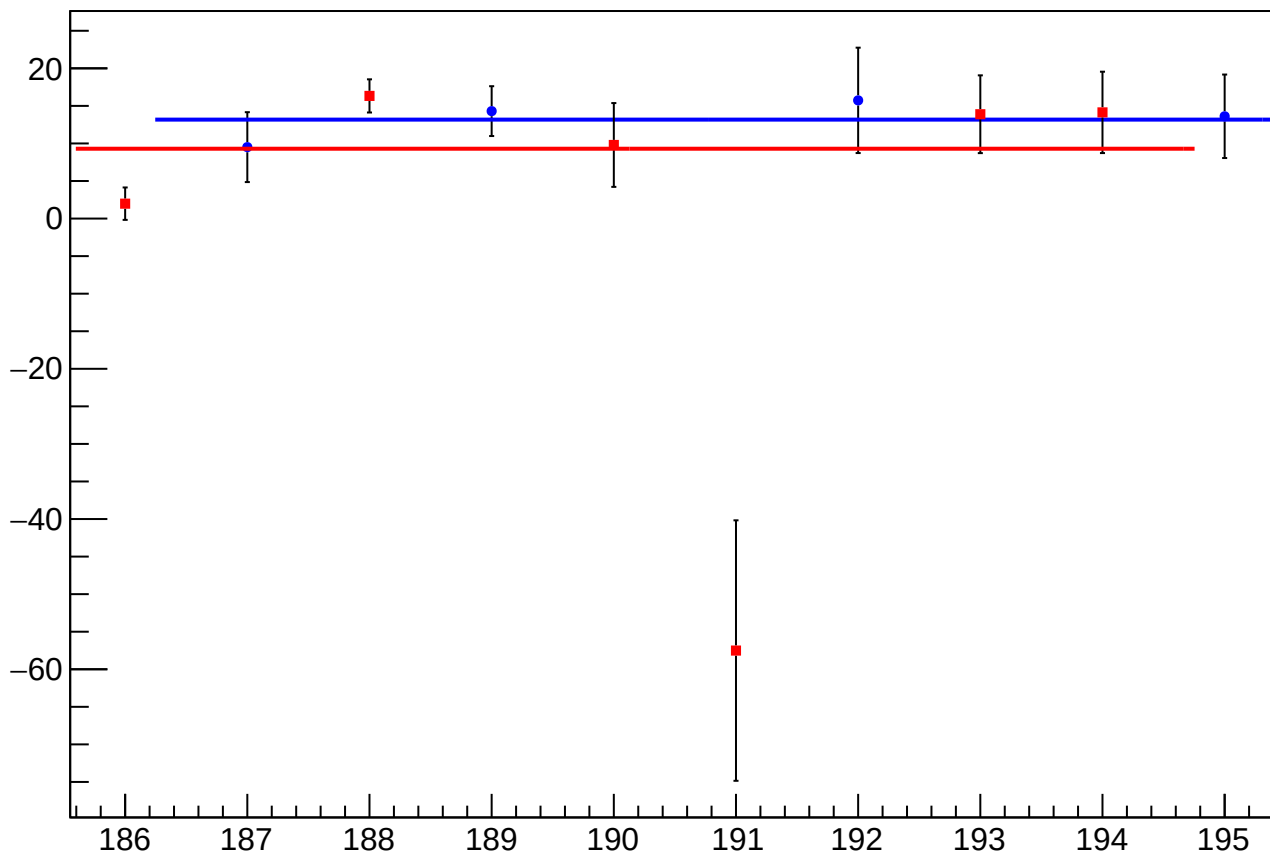
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-44.250 \pm 0.927$   $\chi^2/\text{NDF}: 634.0/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

# reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug



Right In: 13.173+/-2.295  $\chi^2/\text{NDF}$ : 0.9/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.297+/-1.378  $\chi^2/\text{NDF}$ : 38.1/5

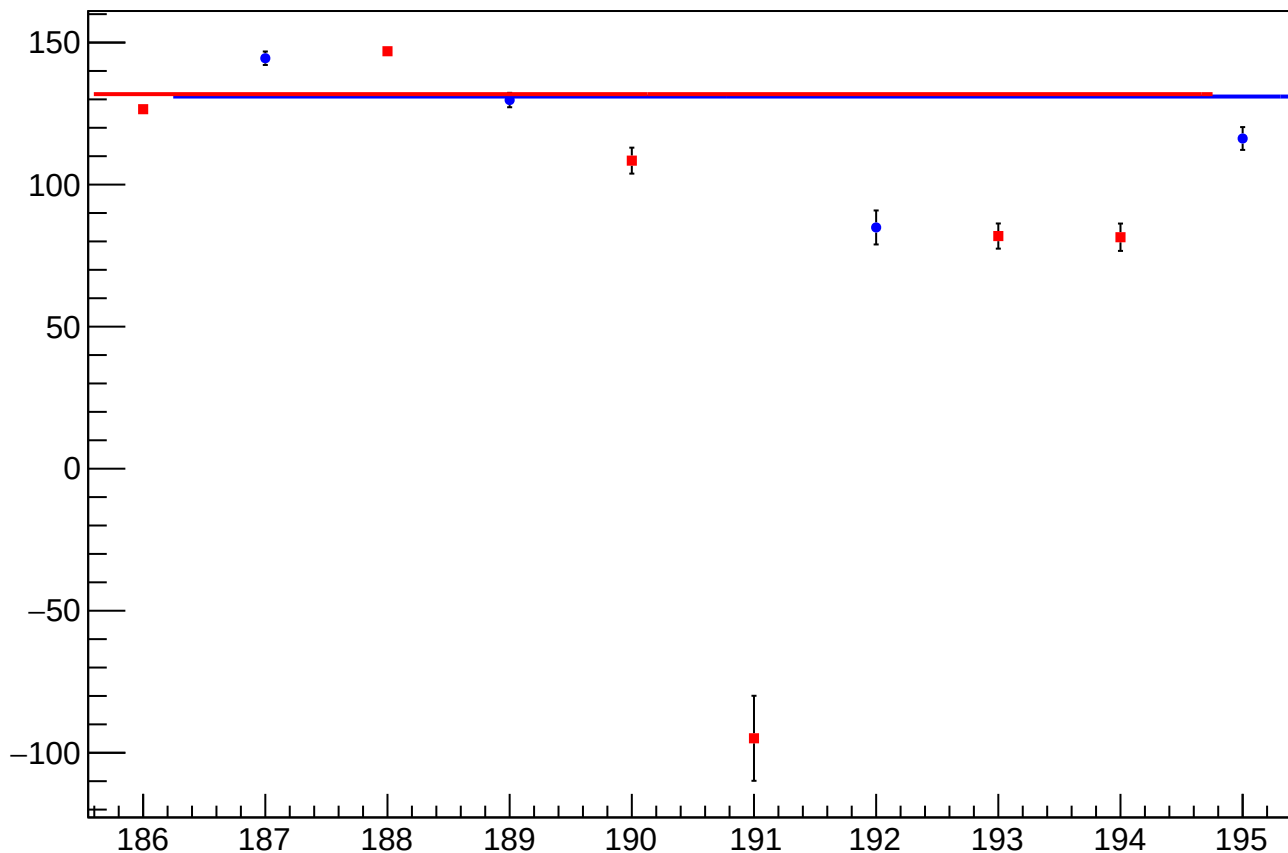
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.324+/-1.181  $\chi^2/\text{NDF}$ : 41.0/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 131.843 $\pm$ 0.881  $\chi^2$ /NDF: 651.1/5

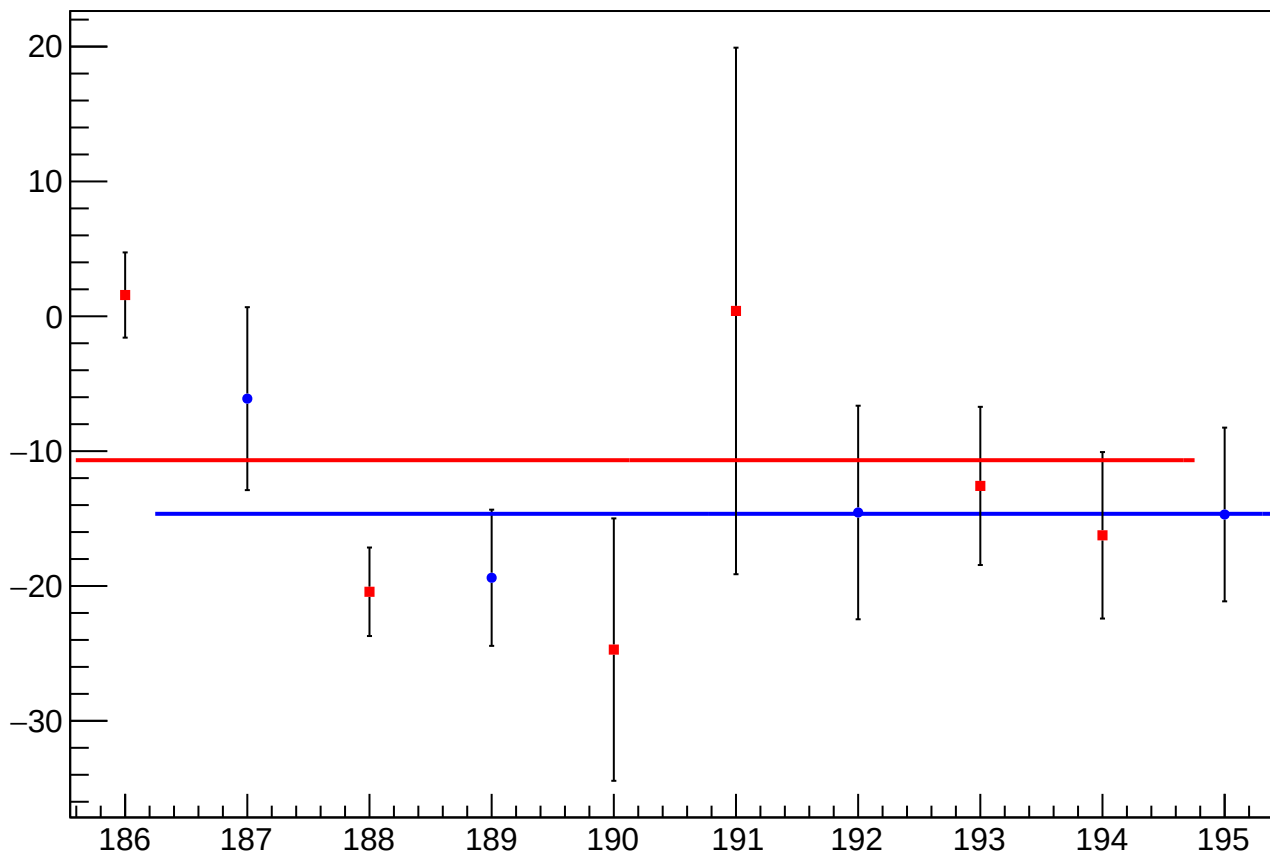
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 131.634 $\pm$ 0.764  $\chi^2$ /NDF: 756.7/9

- 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:  $-10.672 \pm 1.956$   $\chi^2/\text{NDF}$ : 27.2/5

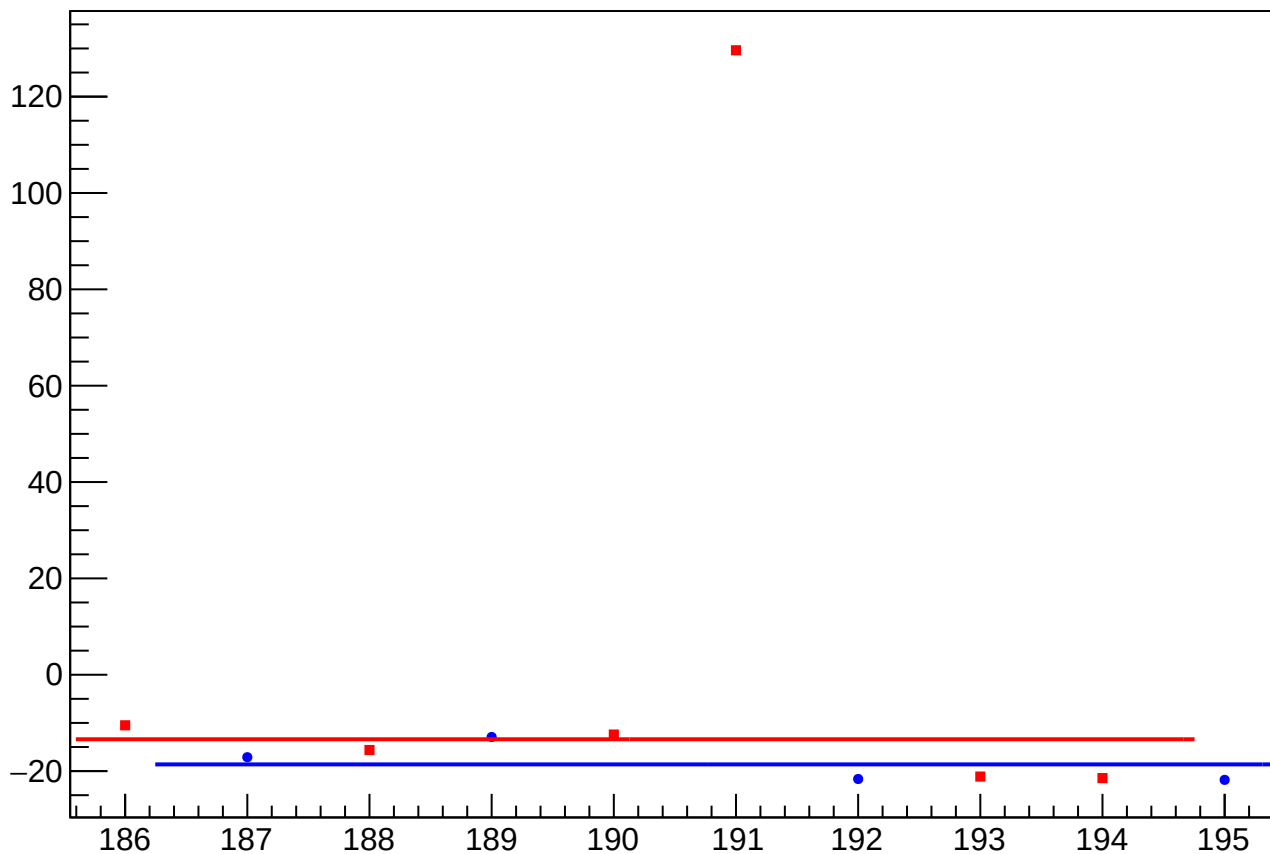
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-11.779 \pm 1.661$   $\chi^2/\text{NDF}$ : 30.8/9

- 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:  $-13.392 \pm 0.087$   $\chi^2/\text{NDF}: 75683.0/5$

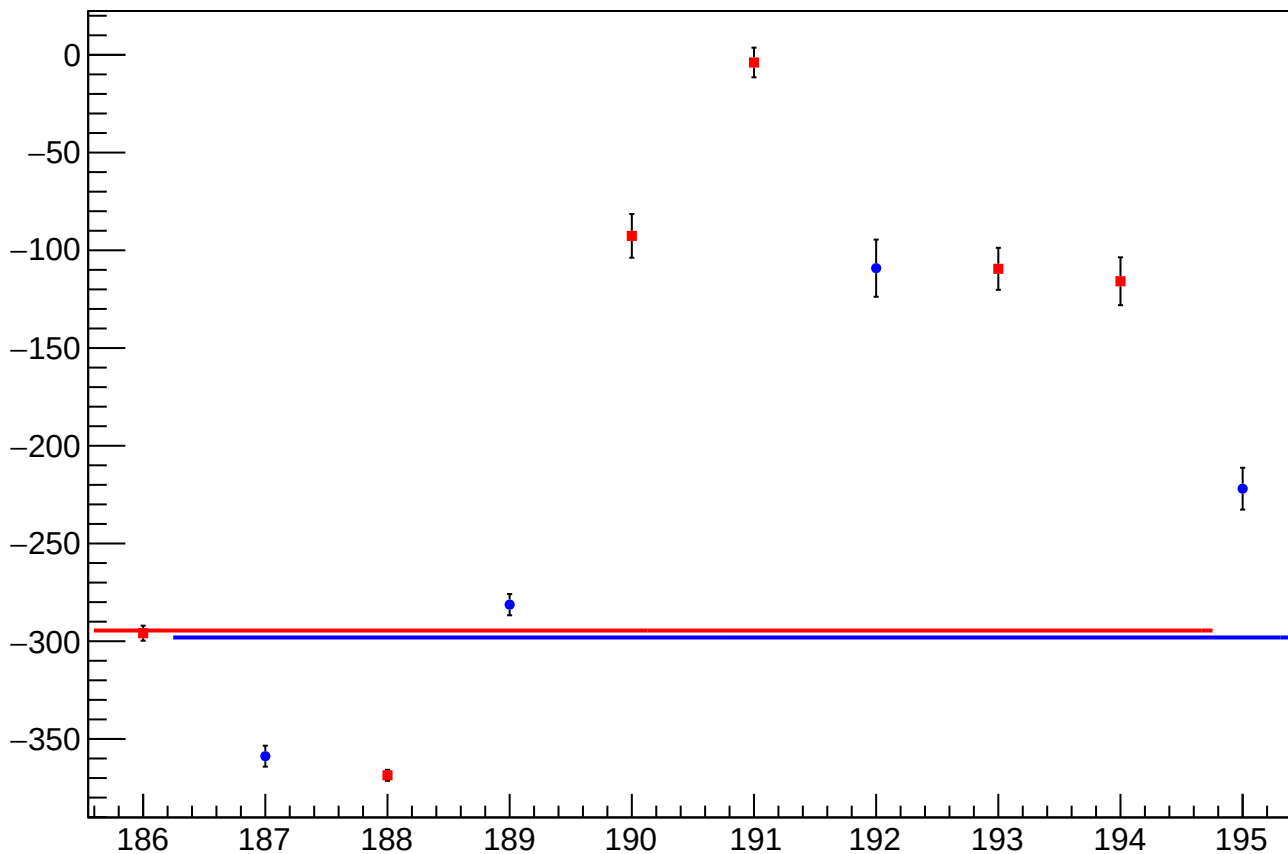
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-15.212 \pm 0.070$   $\chi^2/\text{NDF}: 78078.9/9$

- 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+/-3.490  $\chi^2/\text{NDF}$ : 355.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -294.518+/-2.065  $\chi^2/\text{NDF}$ : 2996.7/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

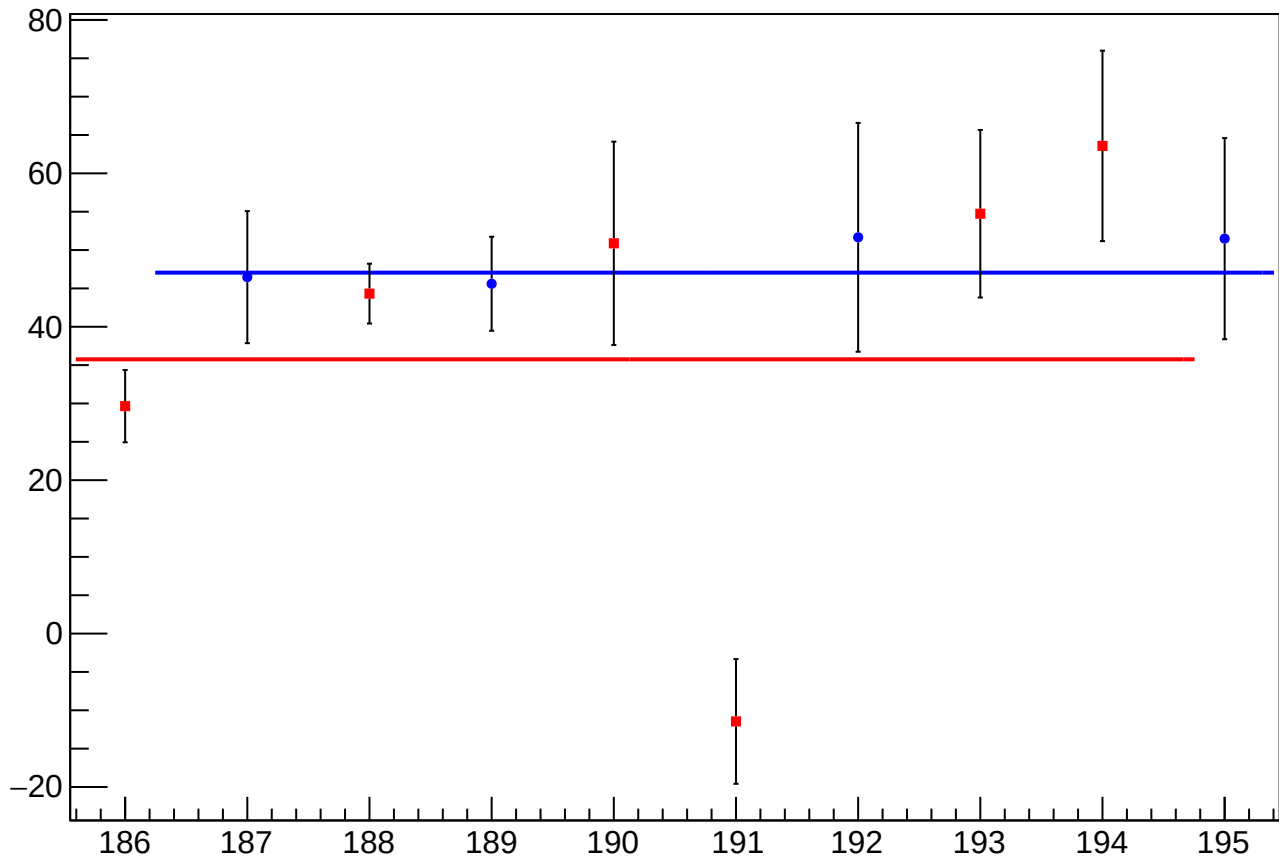
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -295.442+/-1.777  $\chi^2/\text{NDF}$ : 3353.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug



Right In: 47.055+/-4.454  $\chi^2$ /NDF: 0.3/3

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 35.756+/-2.613  $\chi^2$ /NDF: 49.6/5

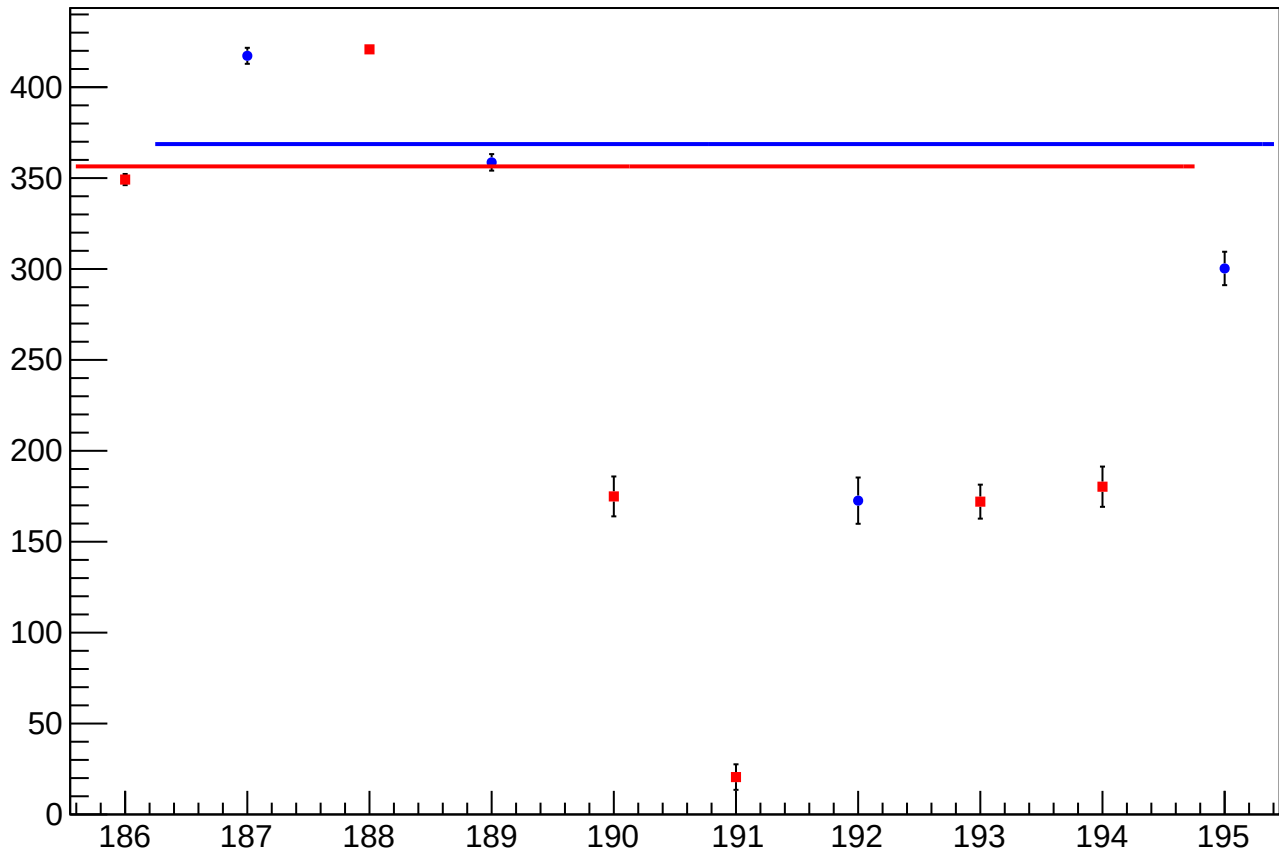
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: 38.649+/-2.254  $\chi^2$ /NDF: 54.6/9

- sign 0.000+/-0.000  $\chi^2$ /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: 356.429 $\pm$ 1.690  $\chi^2$ /NDF: 4021.9/5

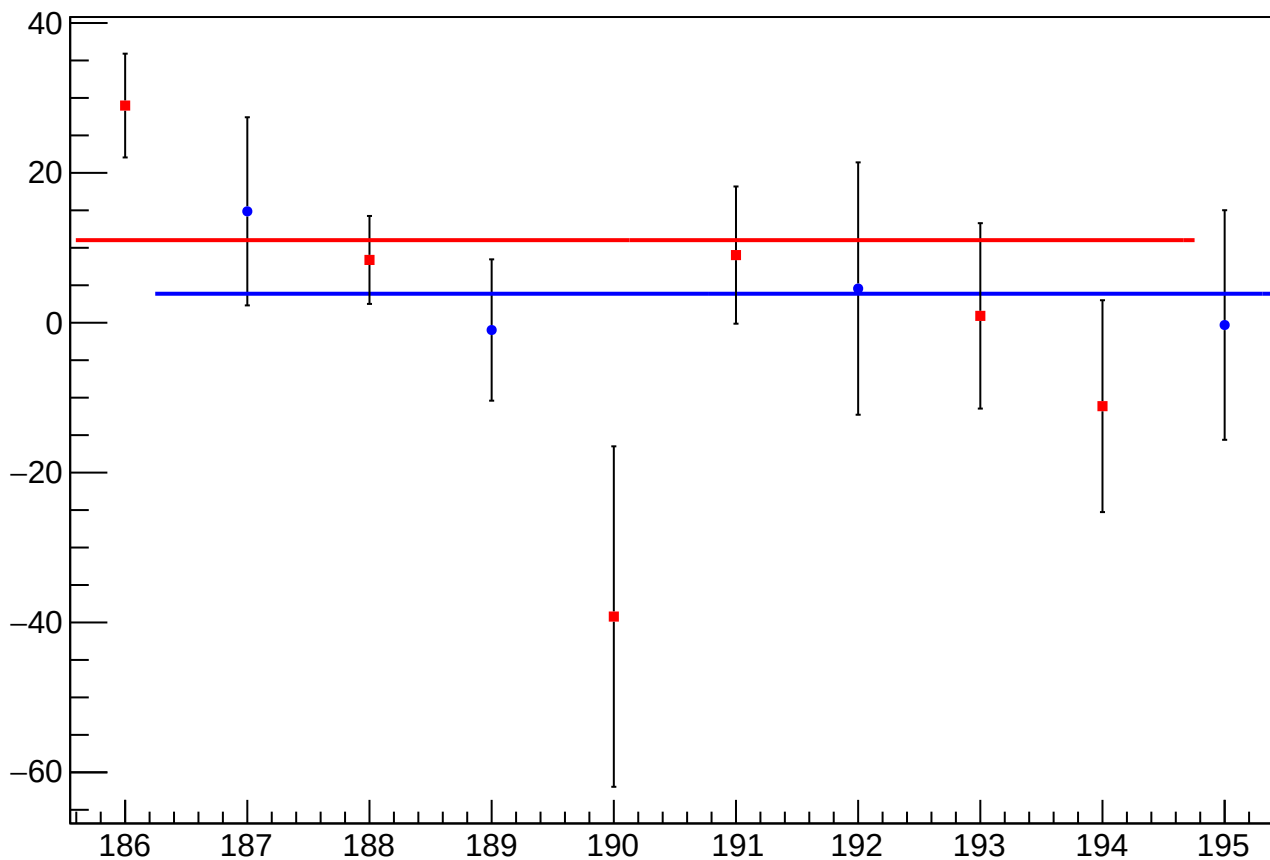
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 359.526 $\pm$ 1.461  $\chi^2$ /NDF: 4455.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug



Right In:  $3.870 \pm 6.277$   $\chi^2/\text{NDF}: 1.1/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $11.021 \pm 3.644$   $\chi^2/\text{NDF}: 15.0/5$

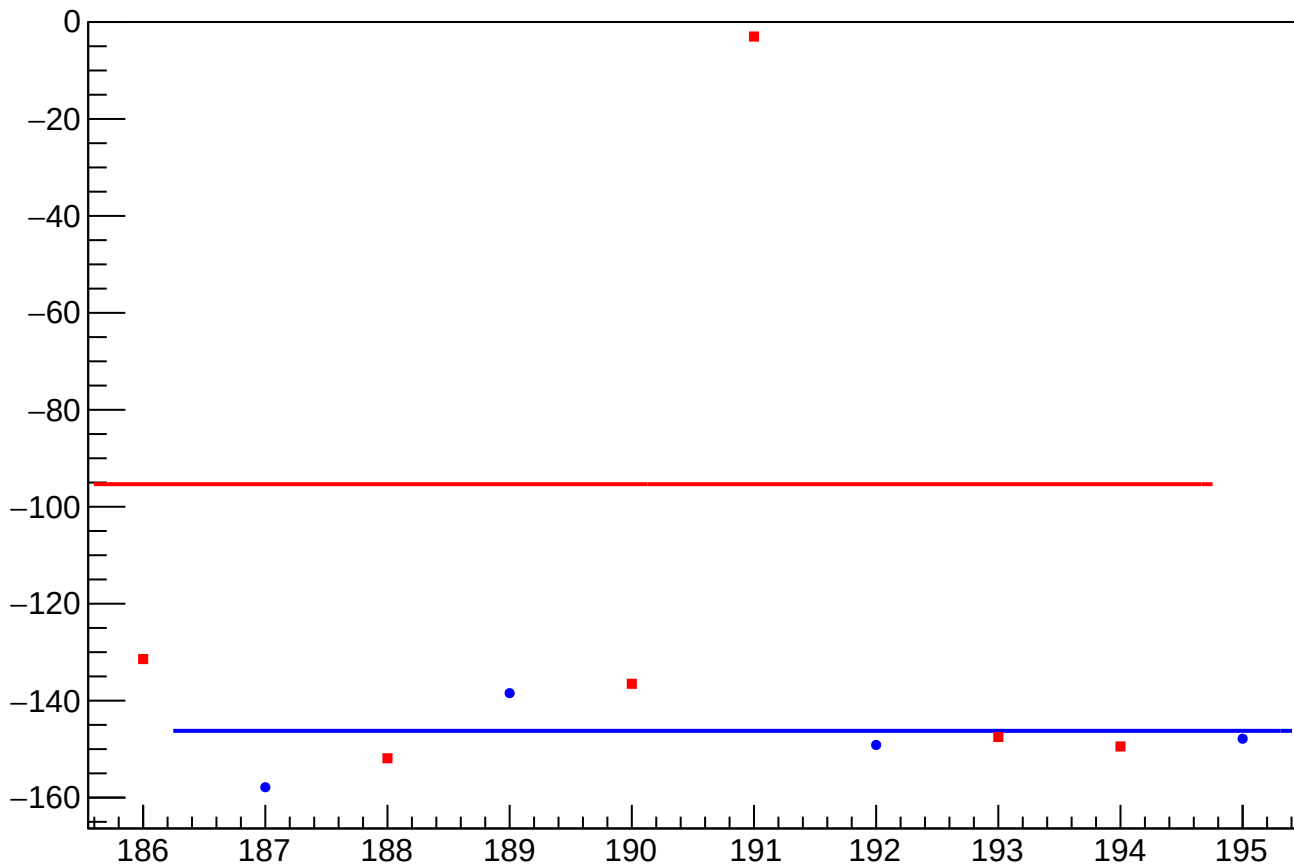
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $9.218 \pm 3.152$   $\chi^2/\text{NDF}: 17.1/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug



Right In:  $-146.225 \pm 0.256$   $\chi^2/\text{NDF}$ : 624.9/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-95.343 \pm 0.150$   $\chi^2/\text{NDF}$ : 212492.6/5

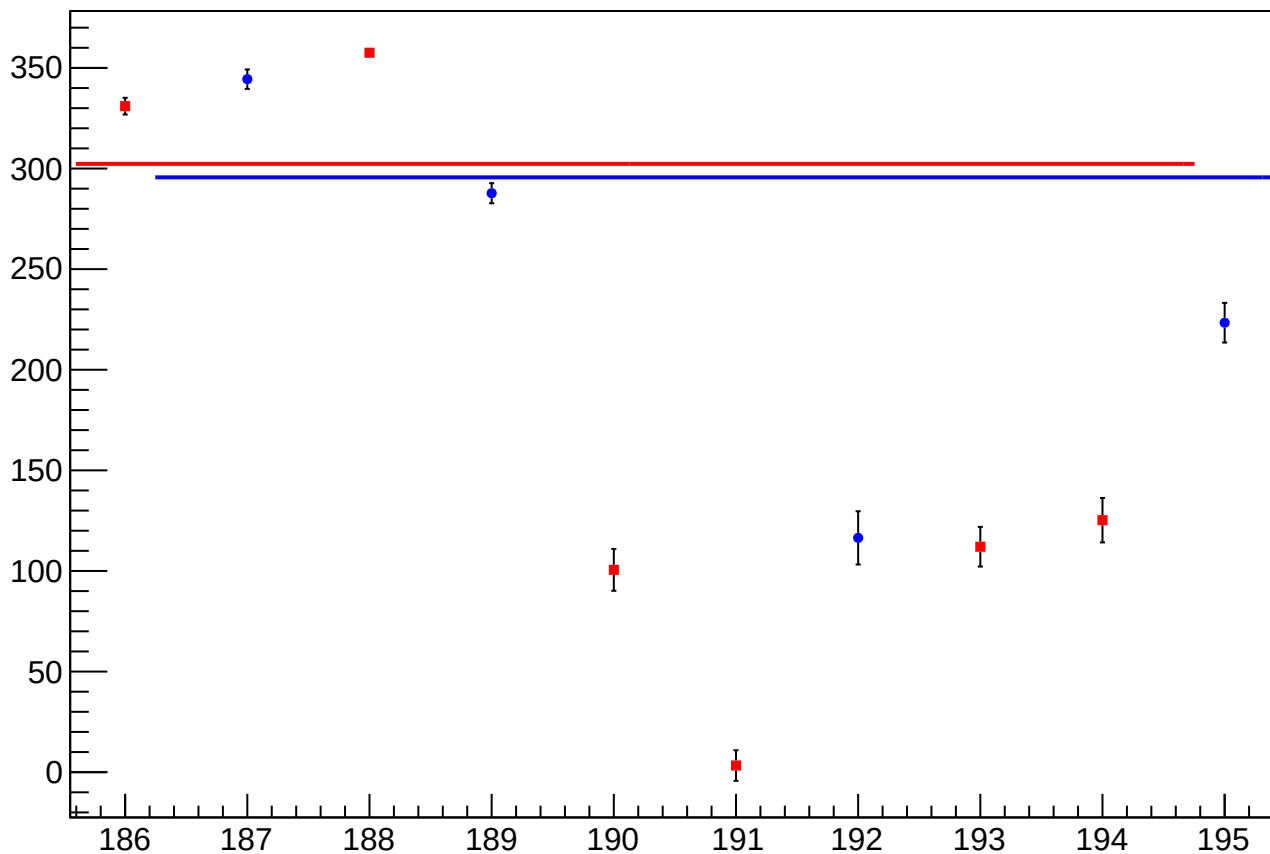
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-108.316 \pm 0.129$   $\chi^2/\text{NDF}$ : 242614.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 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: 302.321 $\pm$ 1.952  $\chi^2$ /NDF: 3091.2/5

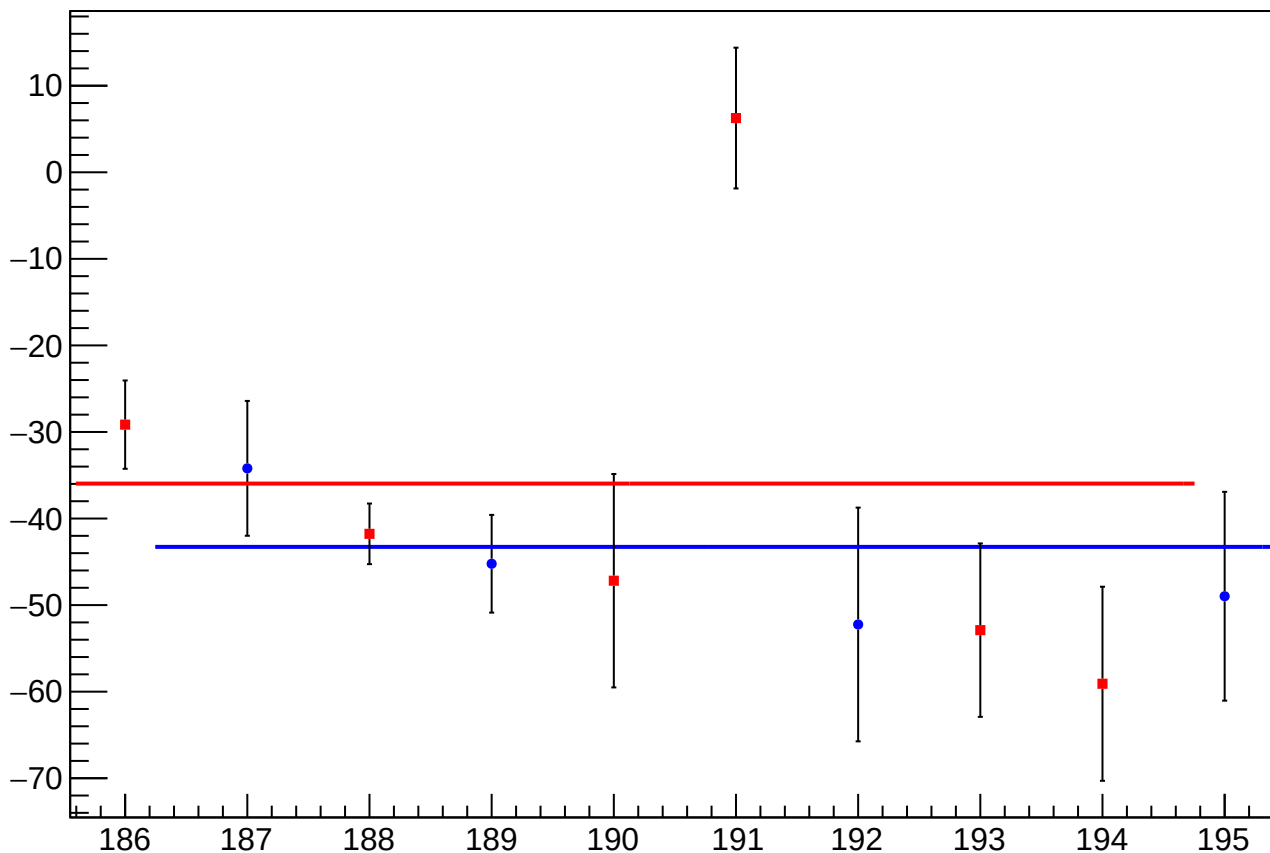
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 300.487 $\pm$ 1.664  $\chi^2$ /NDF: 3435.6/9

- 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: -35.963 $\pm$ 2.503  $\chi^2$ /NDF: 39.4/5

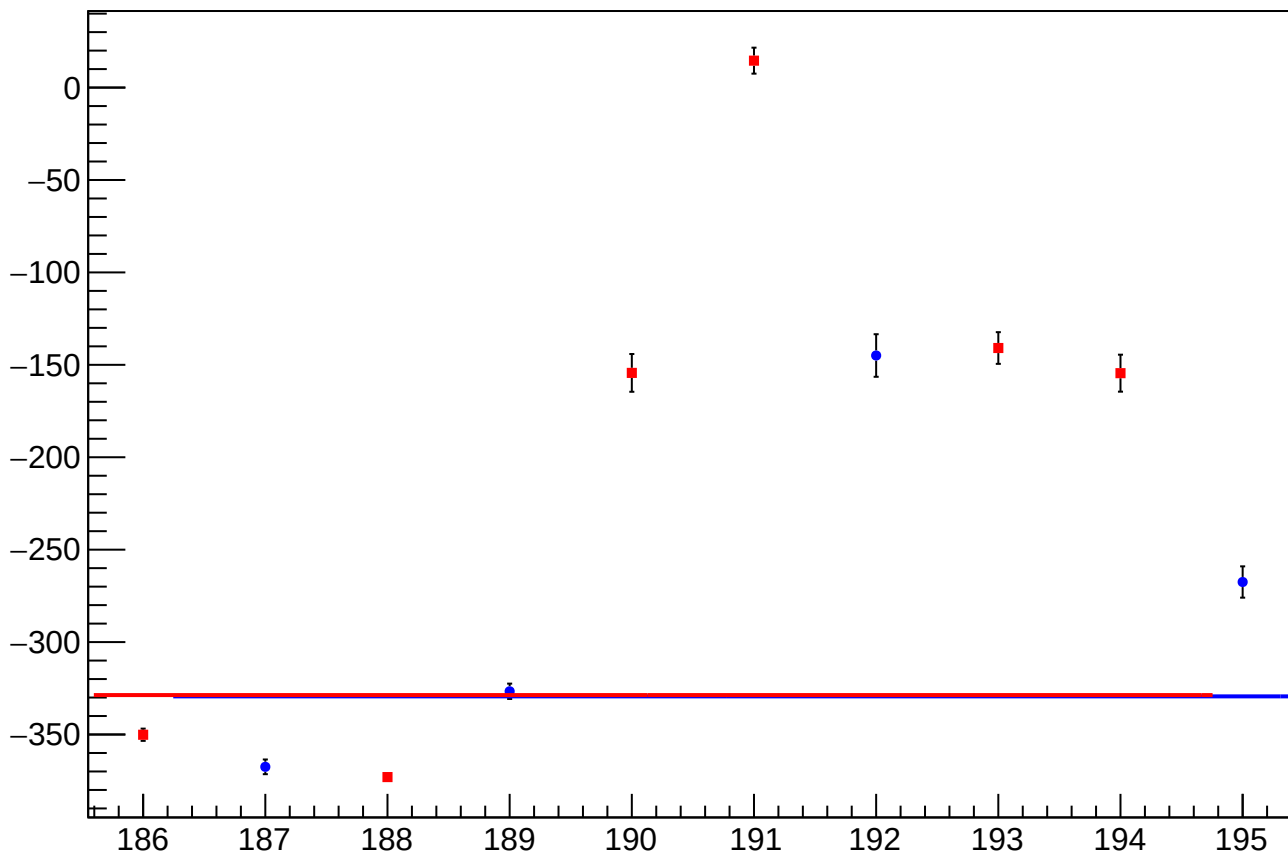
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -37.966 $\pm$ 2.133  $\chi^2$ /NDF: 43.9/9

- 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:  $-328.668 \pm 1.598$   $\chi^2/\text{NDF}$ : 3989.1/5

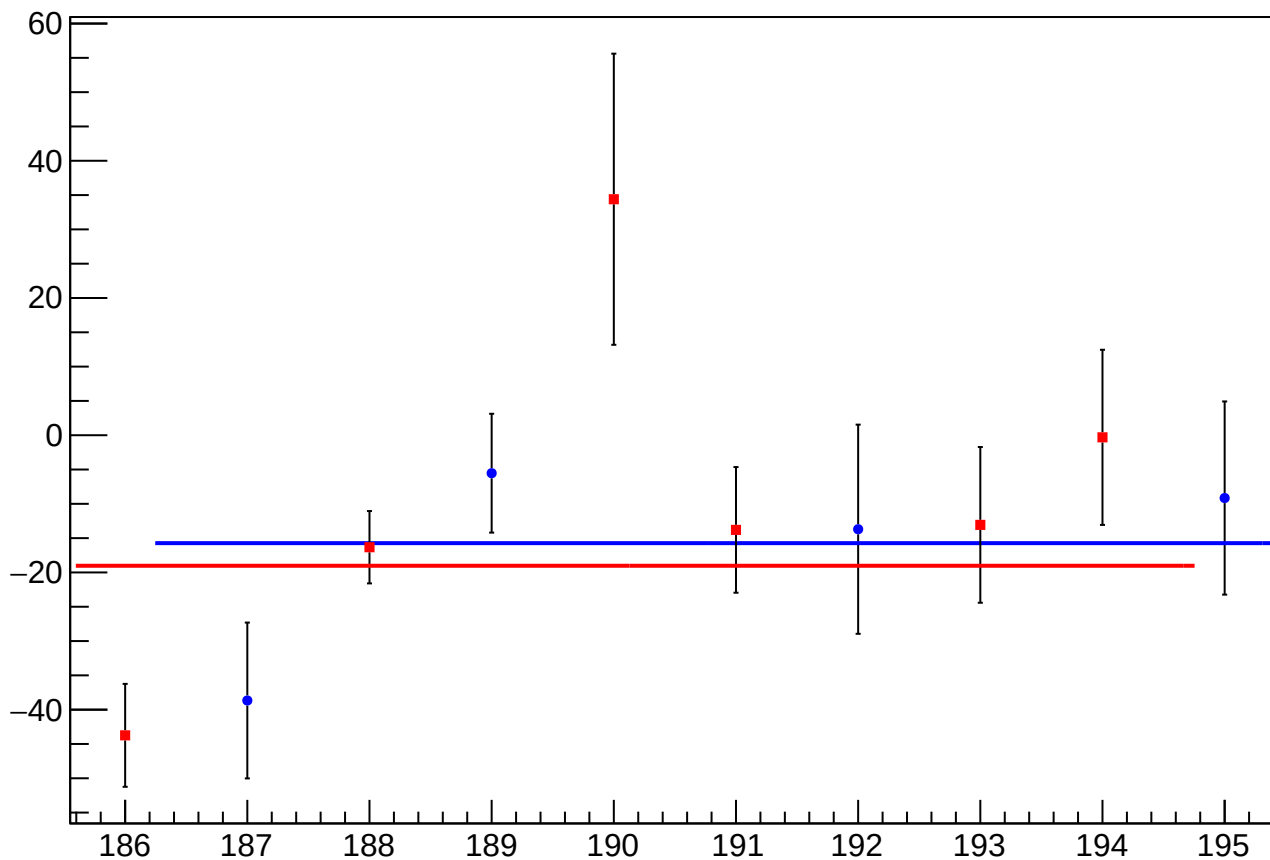
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-328.856 \pm 1.368$   $\chi^2/\text{NDF}$ : 4391.3/9

- 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  $\chi^2$ /NDF: 5.7/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -19.026 $\pm$ 3.496  $\chi^2$ /NDF: 20.2/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

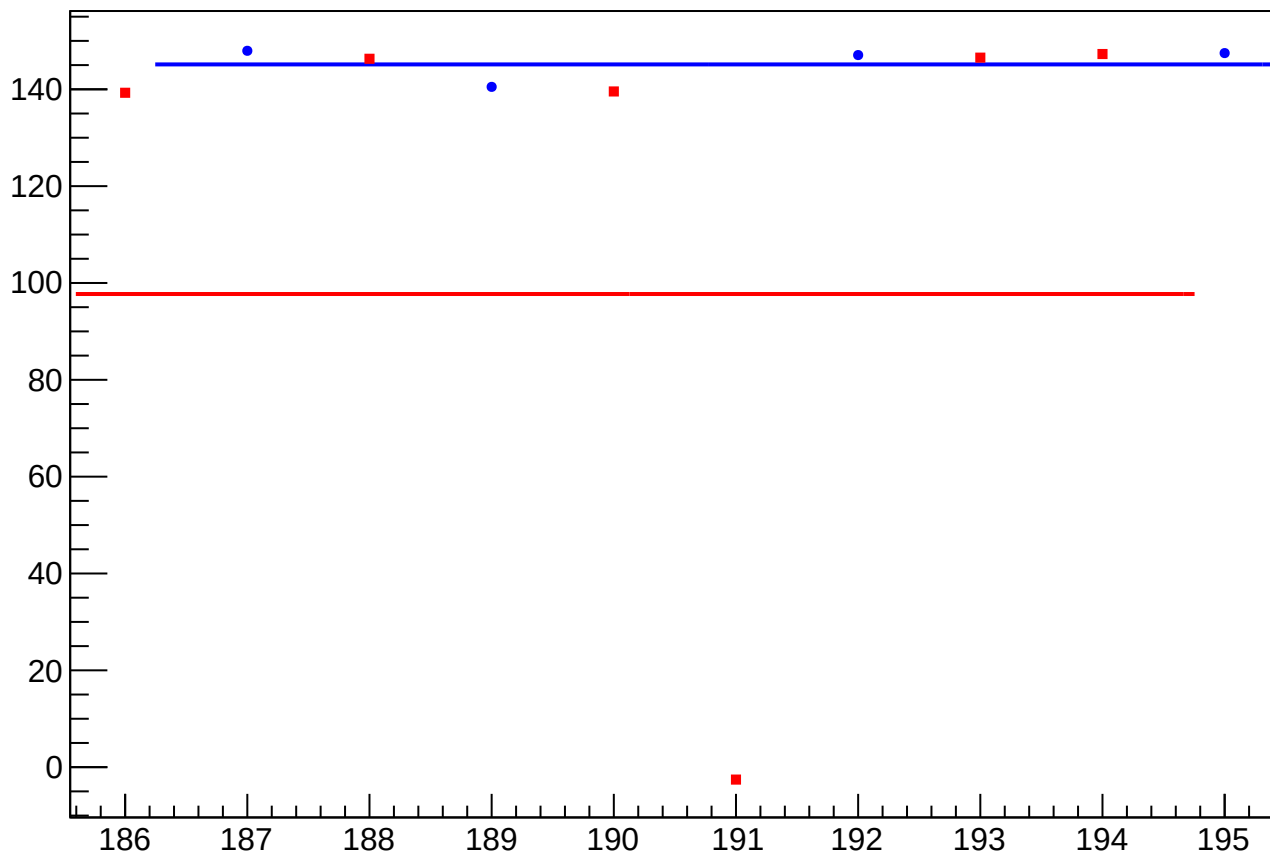
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -18.133 $\pm$ 2.985  $\chi^2$ /NDF: 26.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 97.722 $\pm$ 0.142  $\chi^2$ /NDF: 236480.8/5

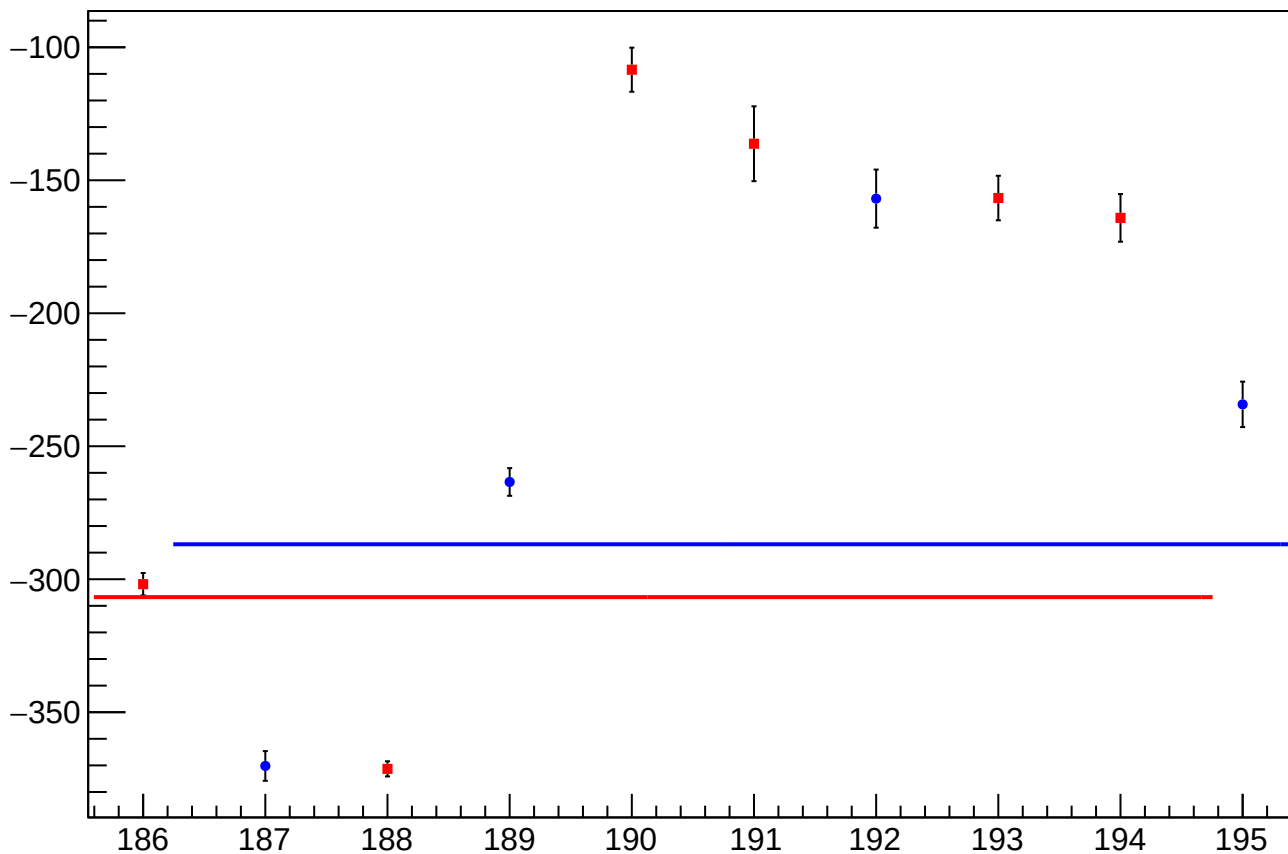
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 110.460 $\pm$ 0.122  $\chi^2$ /NDF: 266507.4/9

- 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 $\pm$ 3.315  $\chi^2$ /NDF: 422.4/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -306.729 $\pm$ 2.104  $\chi^2$ /NDF: 1807.0/5

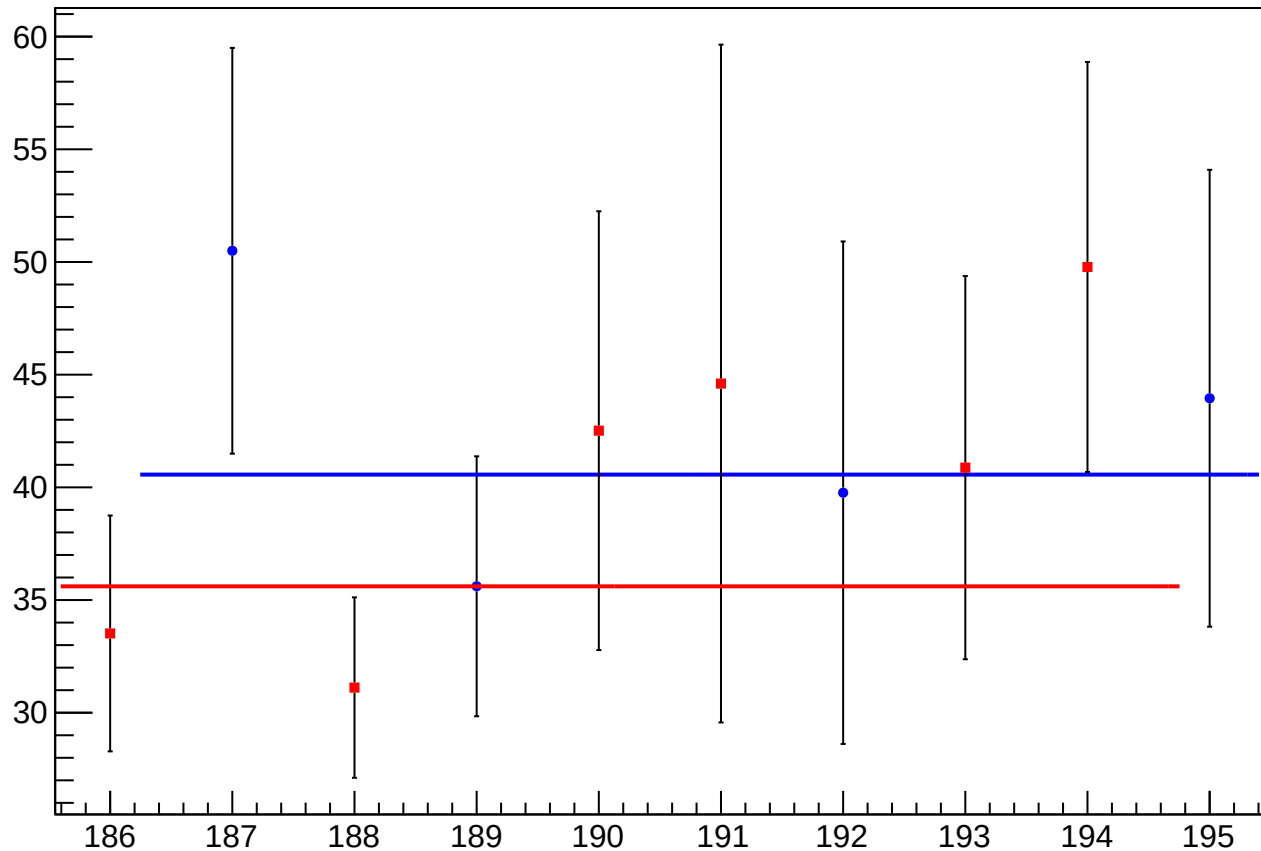
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -301.020 $\pm$ 1.777  $\chi^2$ /NDF: 2255.1/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 35.609 $\pm$ 2.674  $\chi^2$ /NDF: 5.1/5

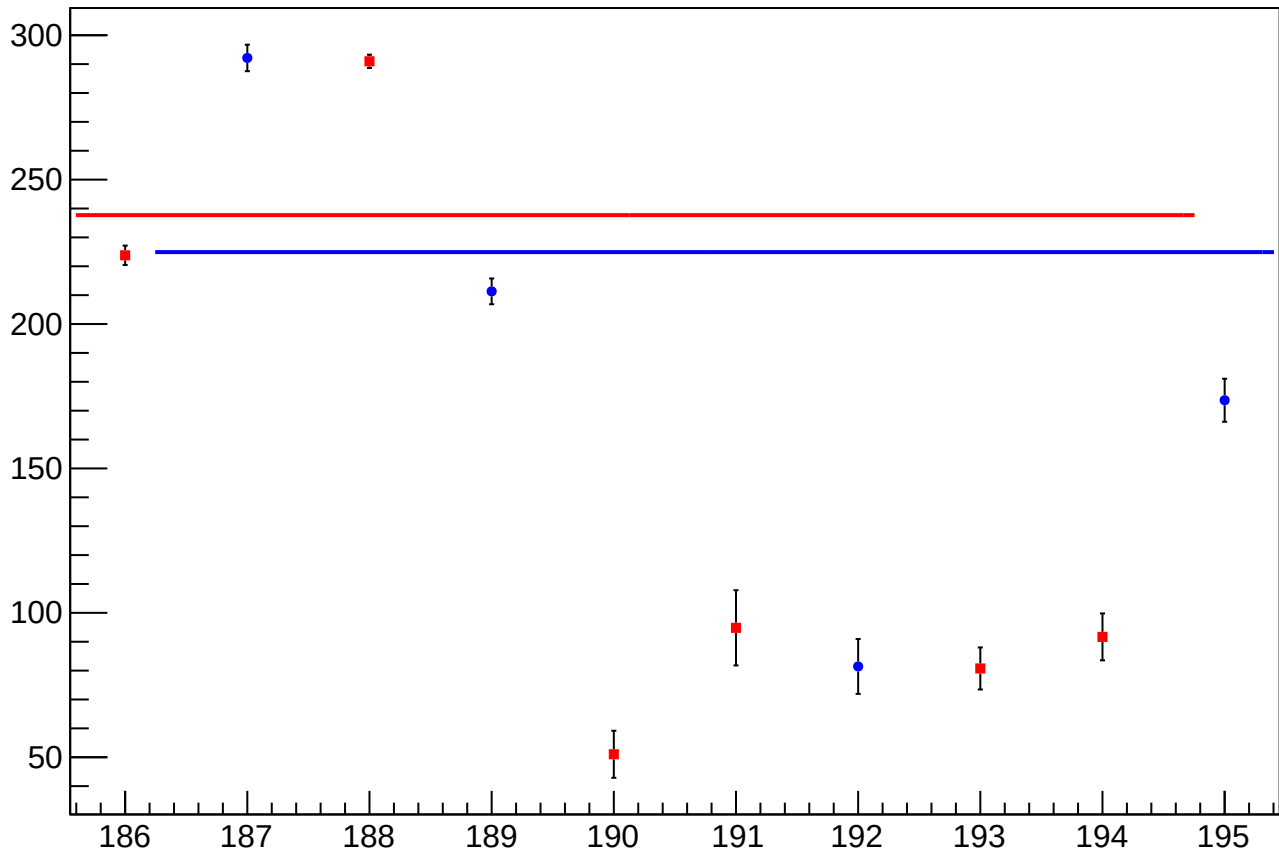
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 37.101 $\pm$ 2.236  $\chi^2$ /NDF: 8.2/9

- 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: 237.710 $\pm$ 1.735  $\chi^2$ /NDF: 1986.6/5

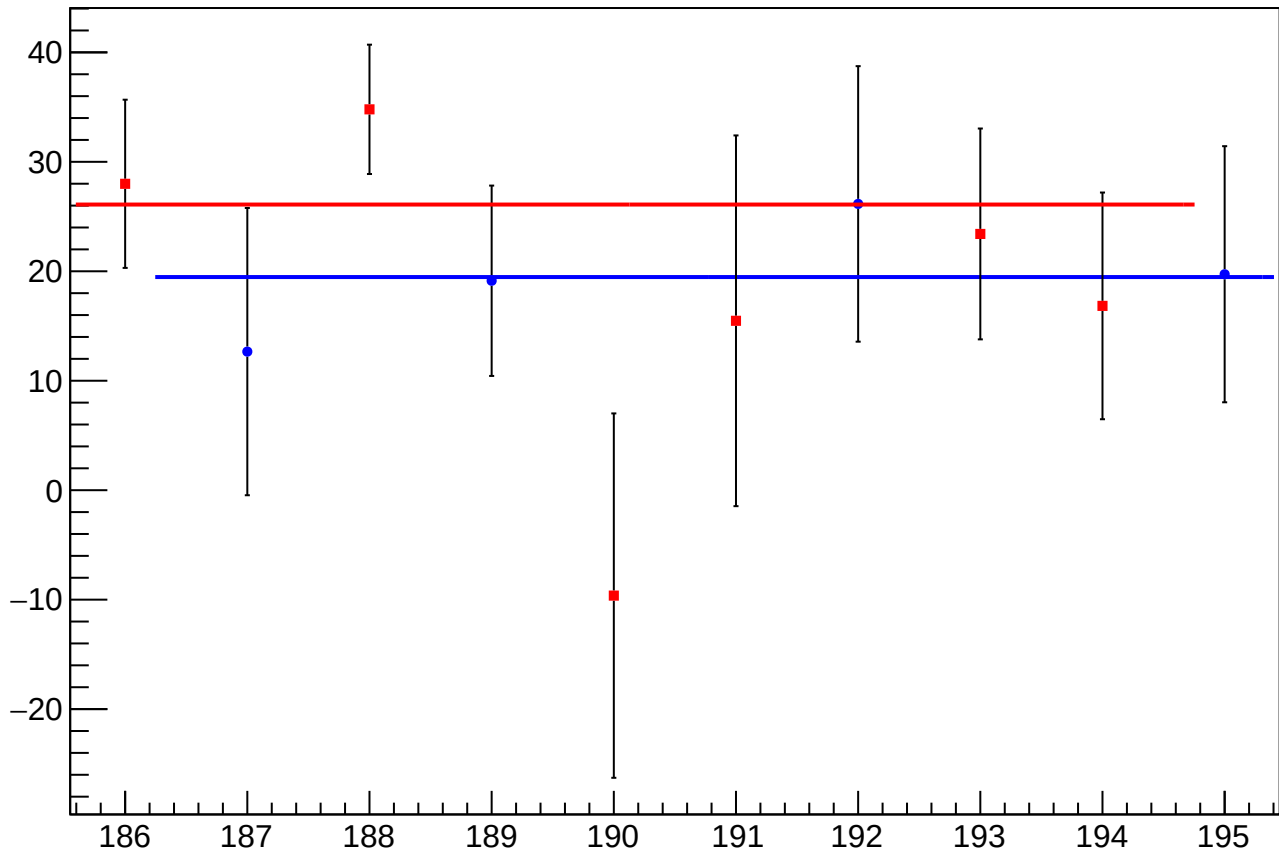
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 234.174 $\pm$ 1.476  $\chi^2$ /NDF: 2500.7/9

- 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: 26.097+/-3.707  $\chi^2/\text{NDF}$ : 8.1/5

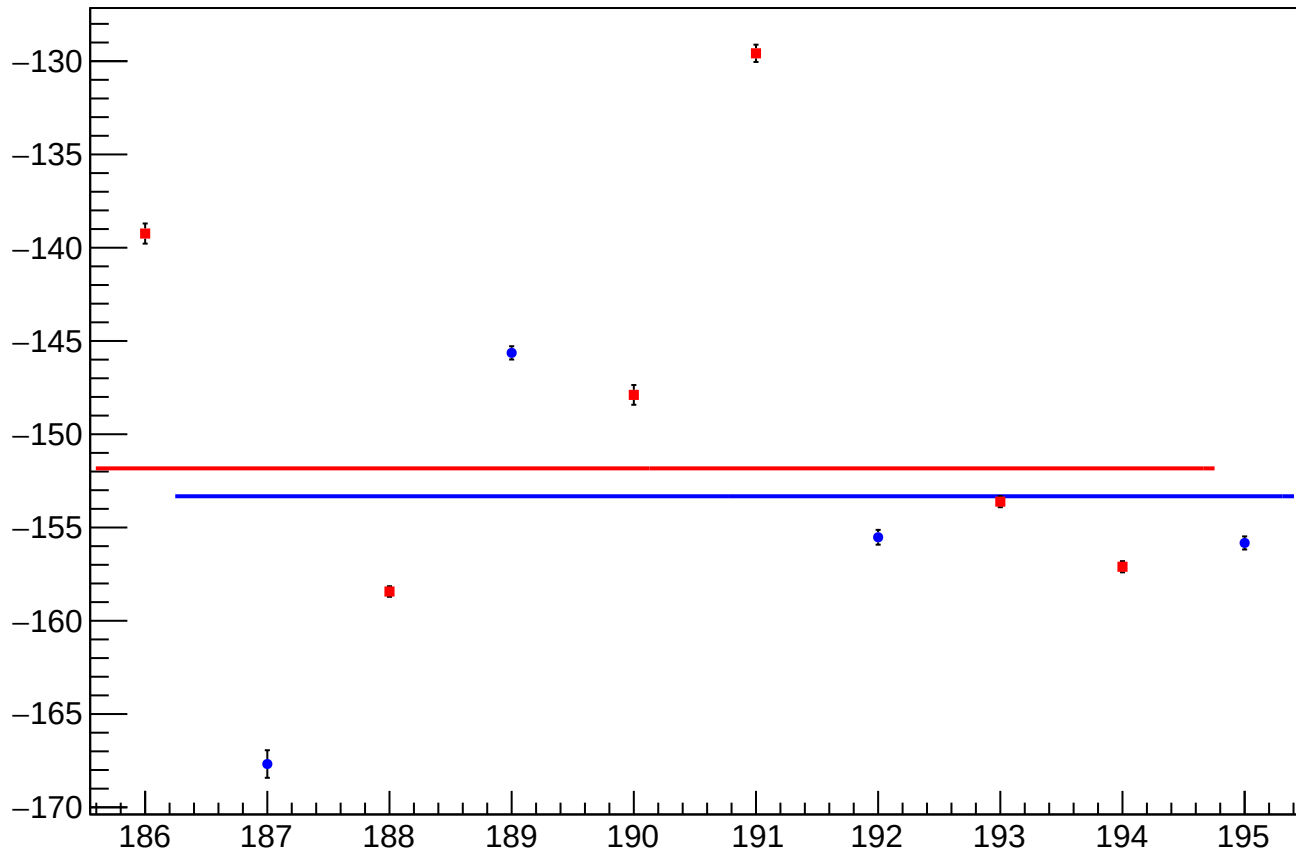
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 24.045+/-3.080  $\chi^2/\text{NDF}$ : 9.6/9

- 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: -151.830+/-0.147  $\chi^2/\text{NDF}$ : 3785.3/5

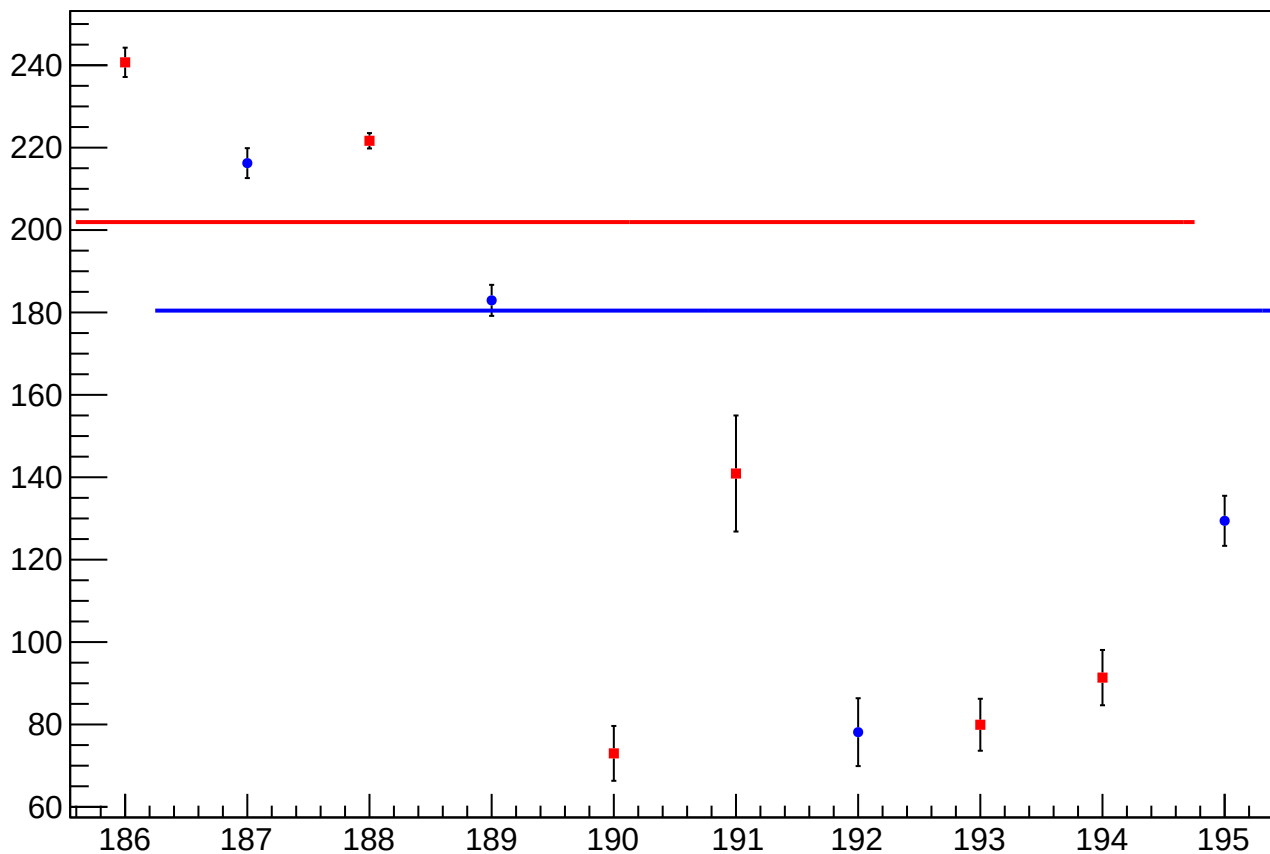
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -152.342+/-0.119  $\chi^2/\text{NDF}$ : 4744.6/9

- 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: 201.933 $\pm$ 1.504  $\chi^2$ /NDF: 1270.6/5

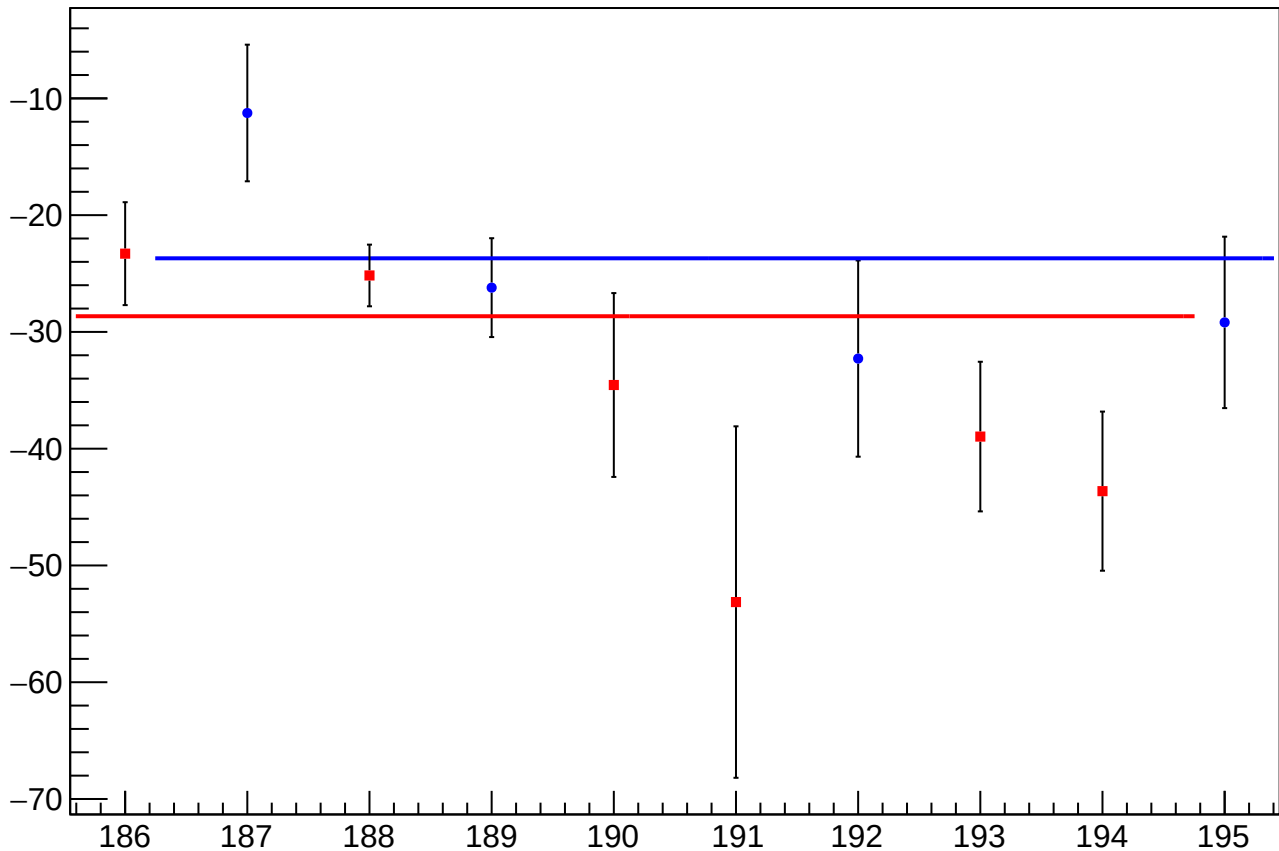
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 195.515 $\pm$ 1.260  $\chi^2$ /NDF: 1653.9/9

- 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  $\chi^2$ /NDF: 6.5/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -28.657 $\pm$ 1.956  $\chi^2$ /NDF: 13.9/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

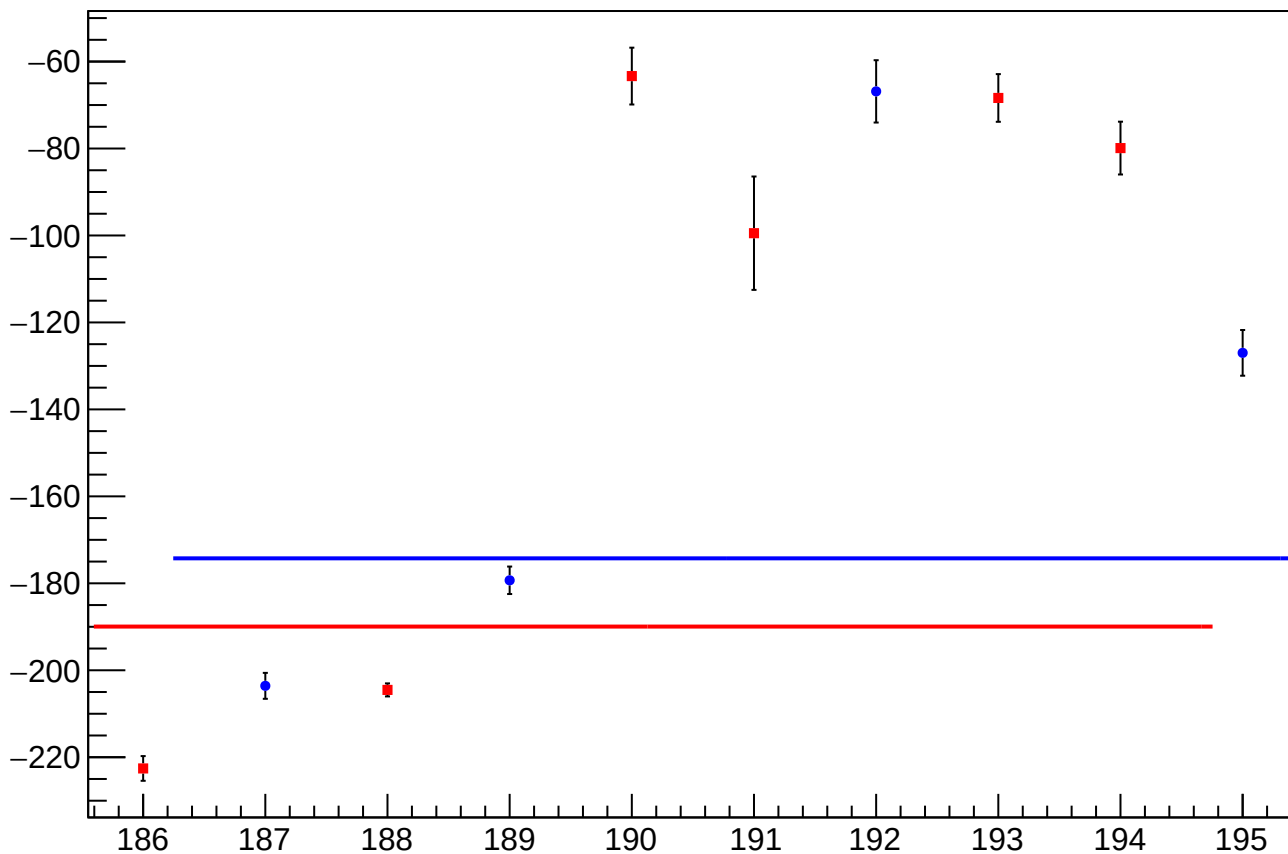
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -27.117 $\pm$ 1.624  $\chi^2$ /NDF: 22.3/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



# reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug



Right In: -174.257 $\pm$ 1.931  $\chi^2$ /NDF: 404.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -189.949 $\pm$ 1.232  $\chi^2$ /NDF: 1469.7/5

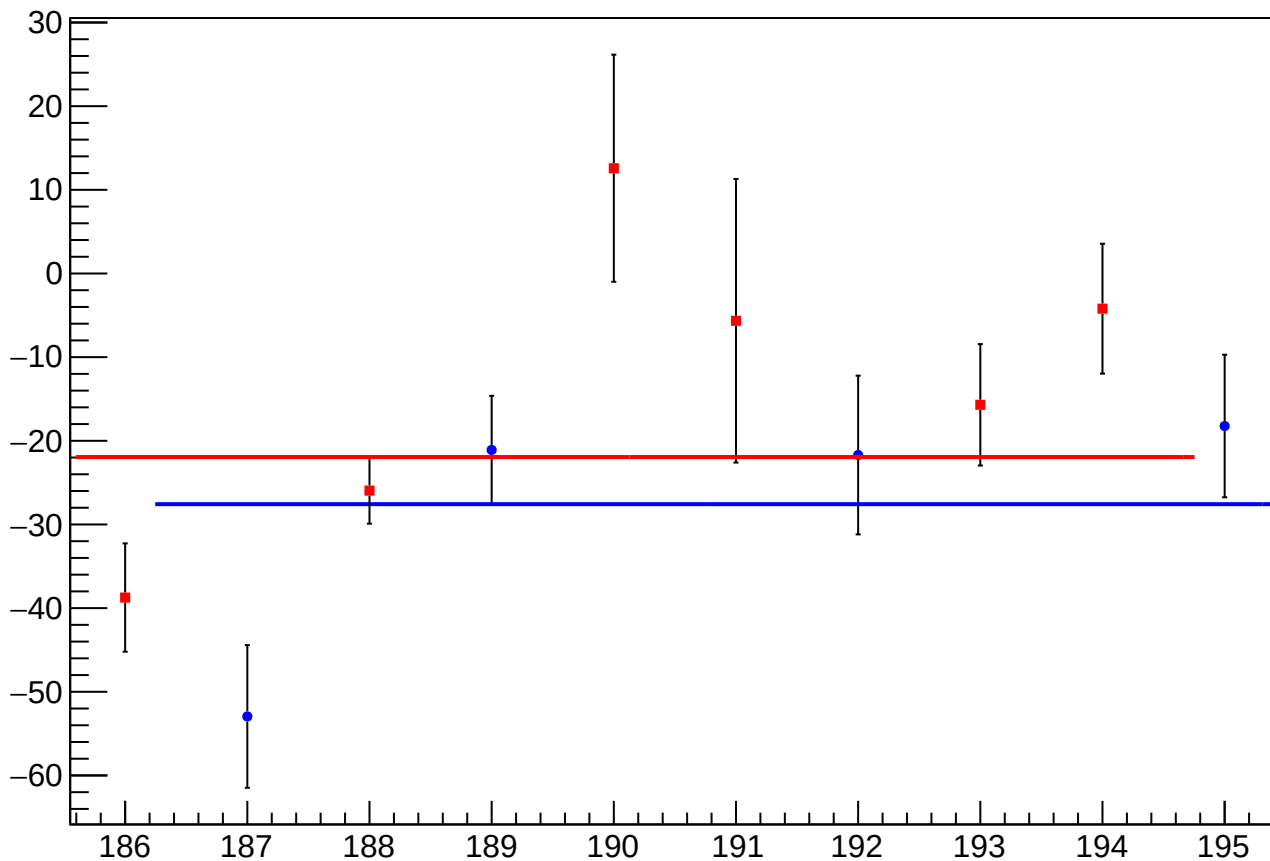
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -185.407 $\pm$ 1.039  $\chi^2$ /NDF: 1921.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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:  $-21.940 \pm 2.750$   $\chi^2/\text{NDF}$ : 21.1/5

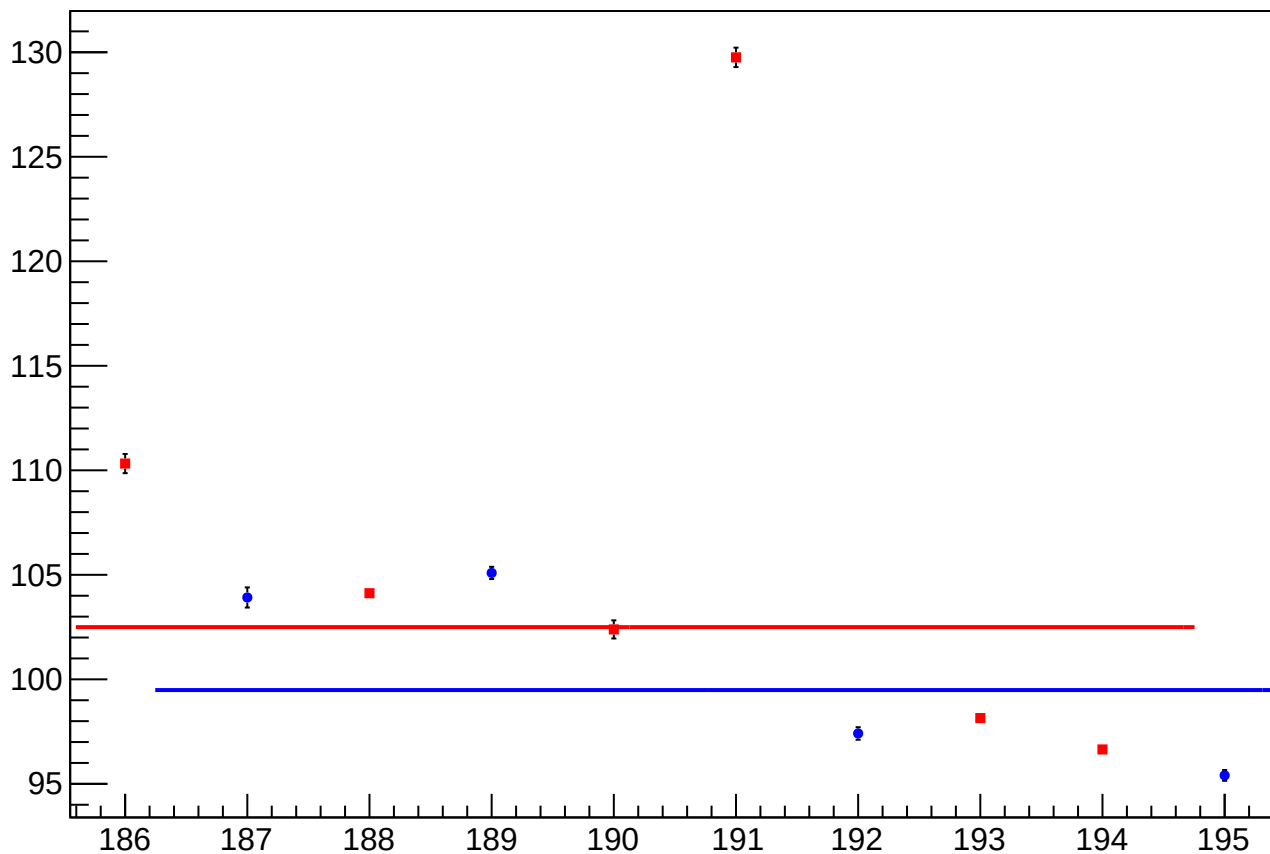
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-23.748 \pm 2.266$   $\chi^2/\text{NDF}$ : 33.9/9

- 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+/-0.154  $\chi^2/\text{NDF}$ : 750.6/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 102.498+/-0.113  $\chi^2/\text{NDF}$ : 4845.9/5

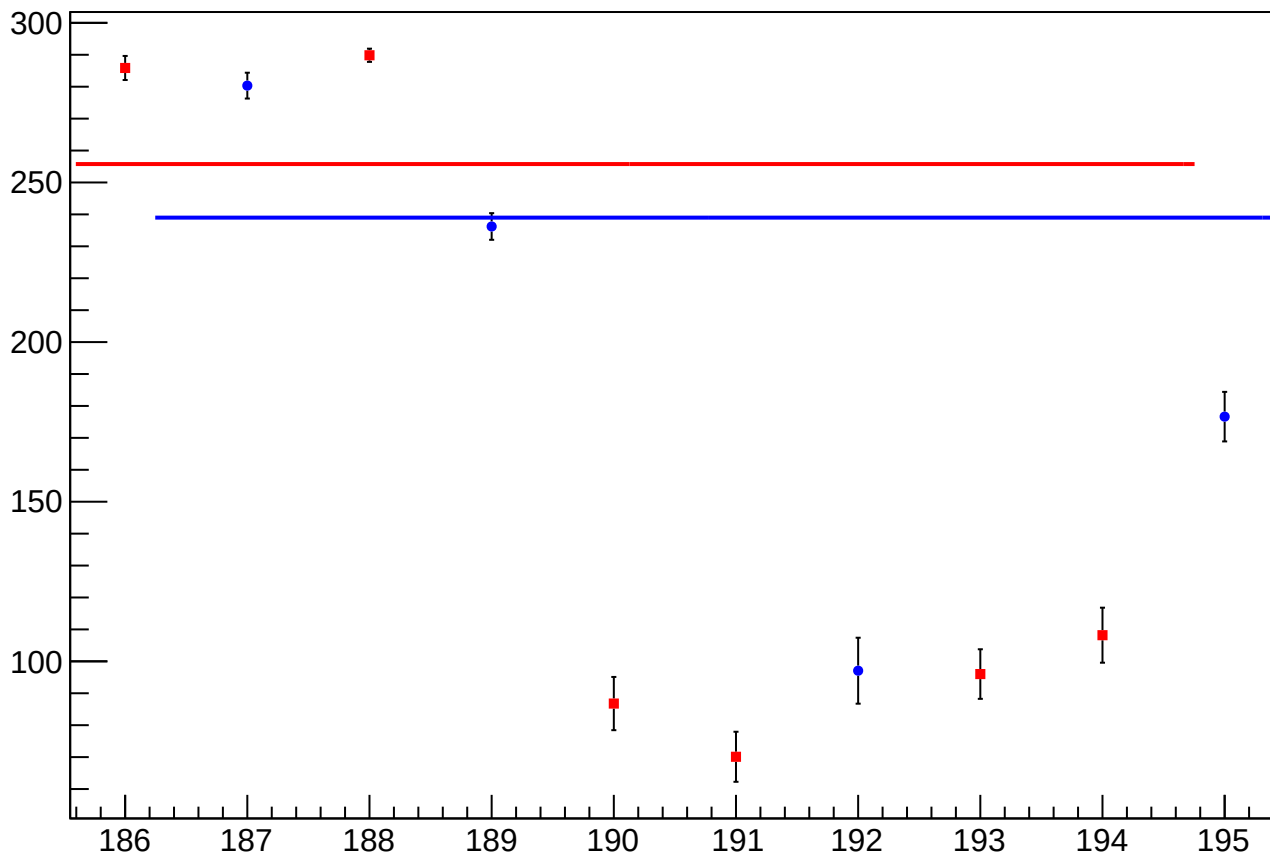
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 101.439+/-0.091  $\chi^2/\text{NDF}$ : 5844.6/9

- sign 0.000+/-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: 255.768 $\pm$ 1.655  $\chi^2$ /NDF: 2023.7/5

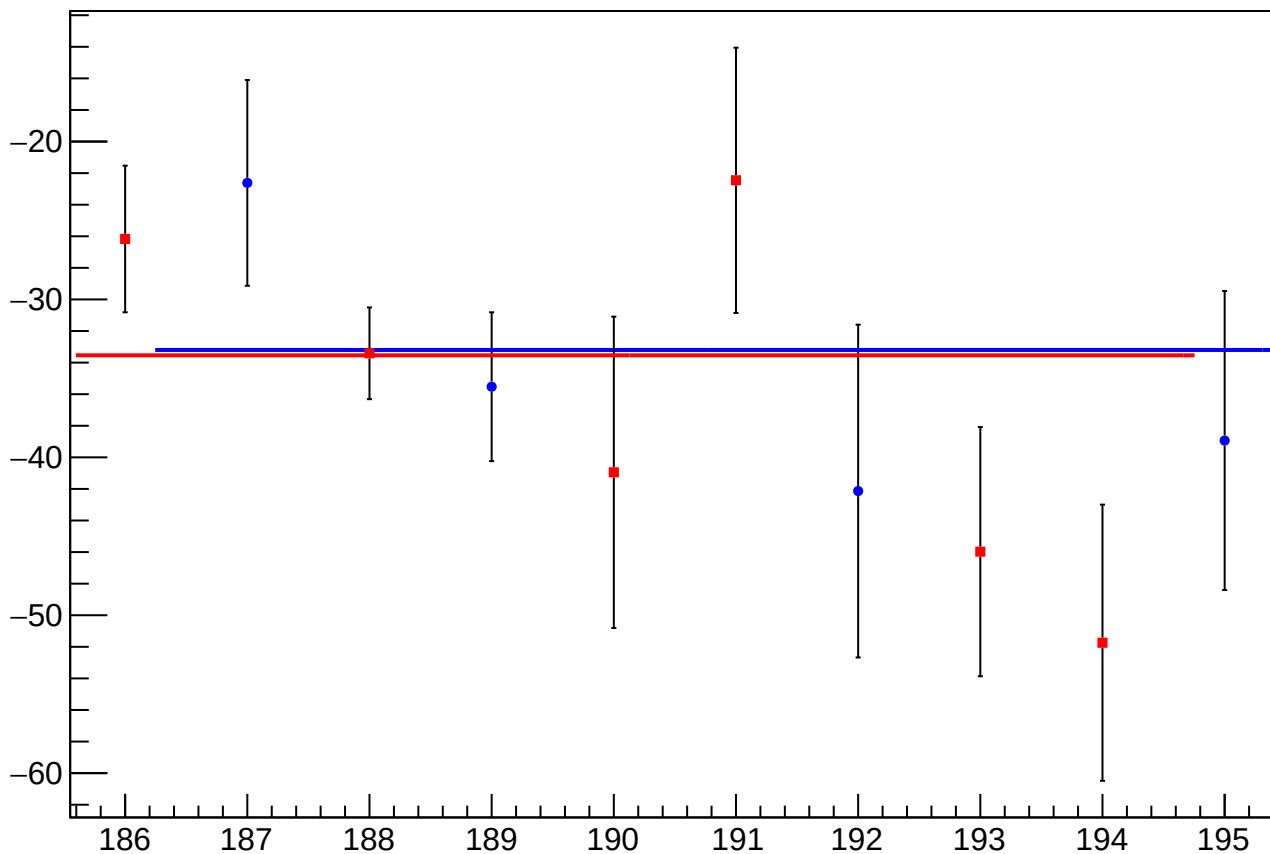
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 251.012 $\pm$ 1.401  $\chi^2$ /NDF: 2411.0/9

- 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: -33.538 $\pm$ 2.139  $\chi^2$ /NDF: 11.6/5

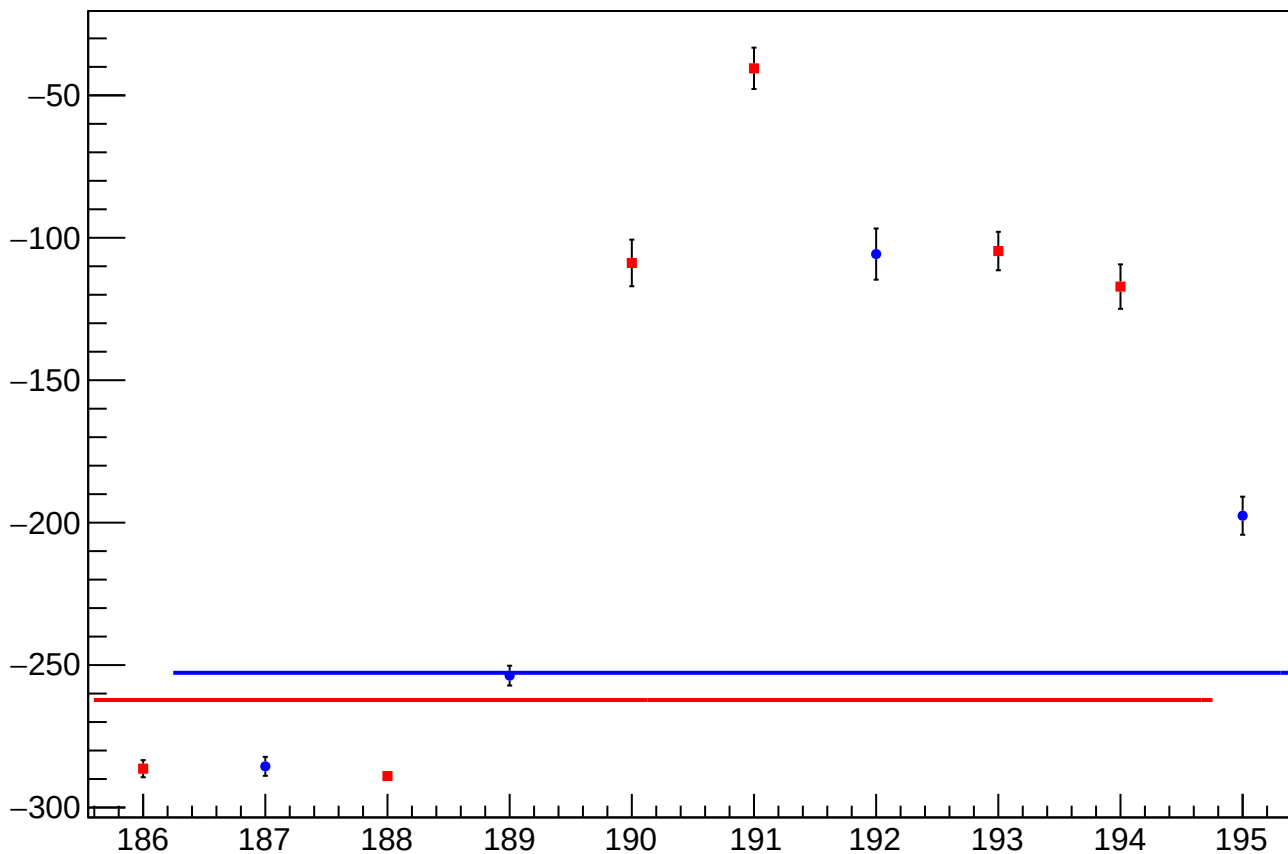
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -33.440 $\pm$ 1.804  $\chi^2$ /NDF: 15.6/9

- 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: -262.264+/-1.354  $\chi^2/\text{NDF}$ : 2499.0/5

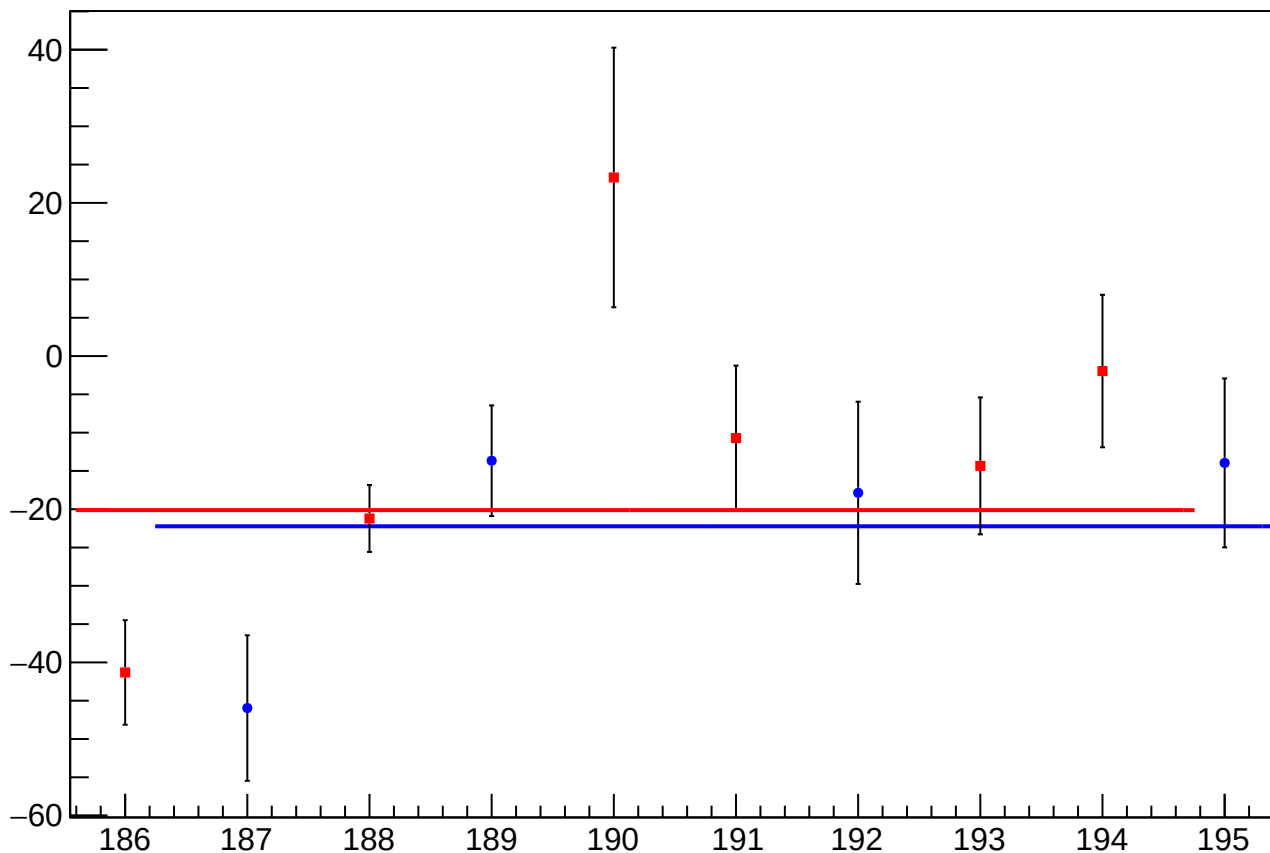
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -259.628+/-1.152  $\chi^2/\text{NDF}$ : 2945.8/9

- 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:  $-22.228 \pm 4.686$   $\chi^2/\text{NDF}$ : 8.3/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-20.119 \pm 3.000$   $\chi^2/\text{NDF}$ : 21.0/5

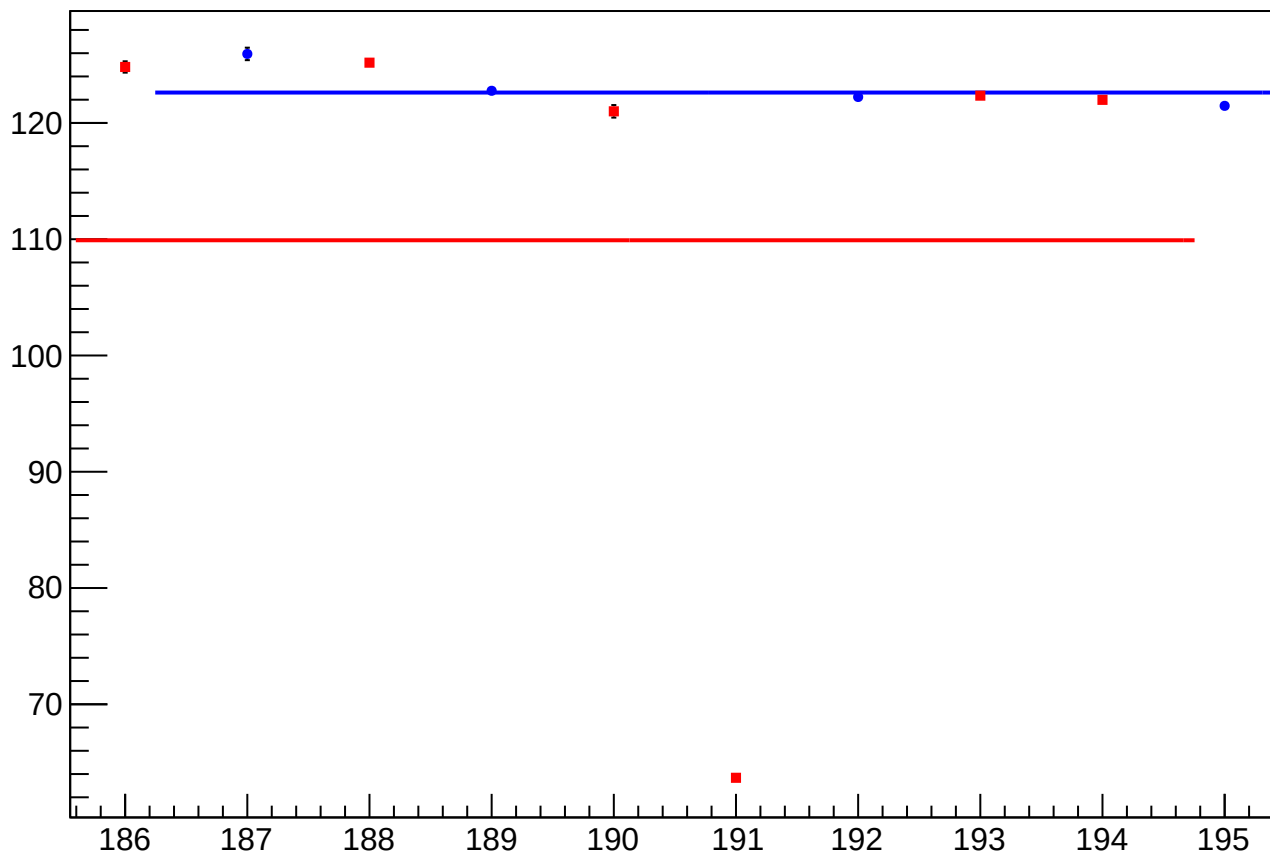
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-20.732 \pm 2.526$   $\chi^2/\text{NDF}$ : 29.5/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug



Right In: 122.615 $\pm$ 0.188  $\chi^2$ /NDF: 51.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 109.910 $\pm$ 0.123  $\chi^2$ /NDF: 41265.7/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

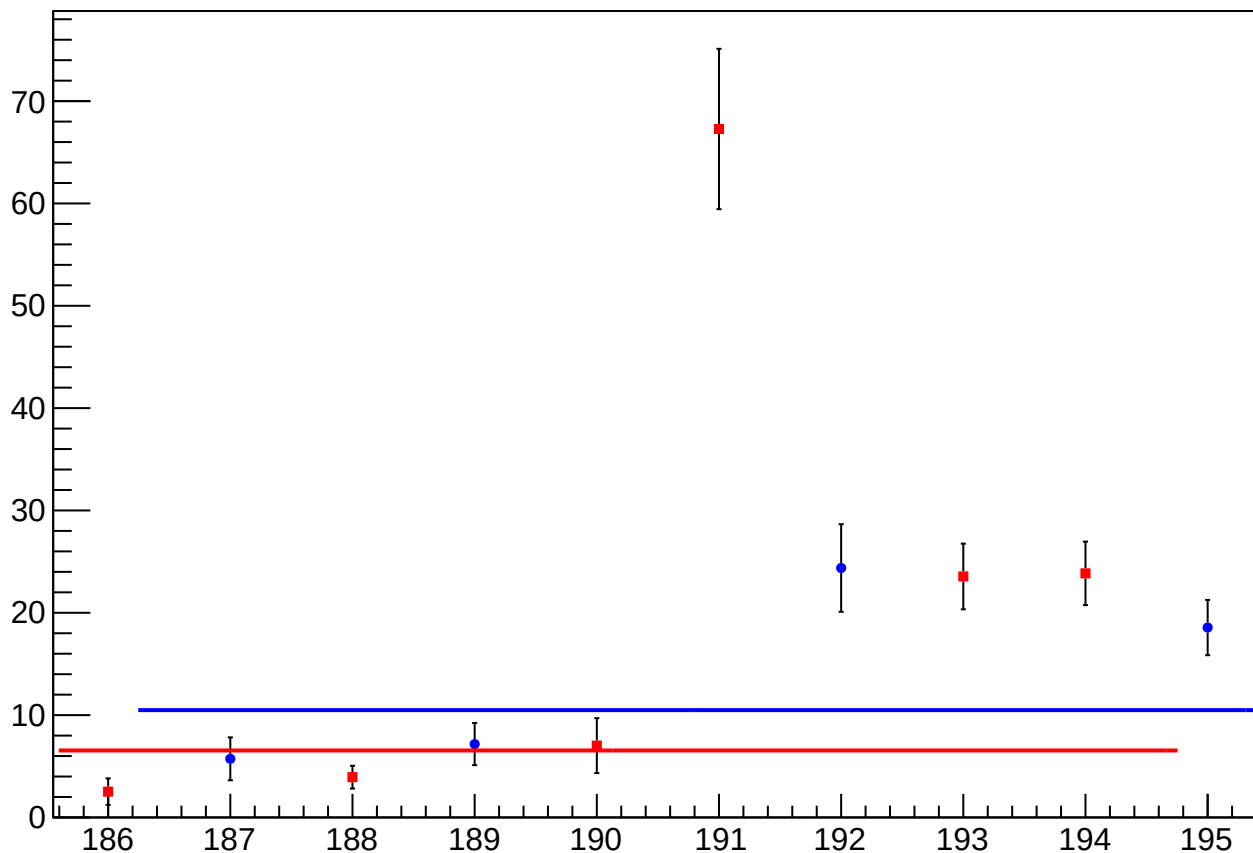
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 113.718 $\pm$ 0.103  $\chi^2$ /NDF: 44507.6/9

- 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: 6.546+/-0.754  $\chi^2/\text{NDF}$ : 134.4/5

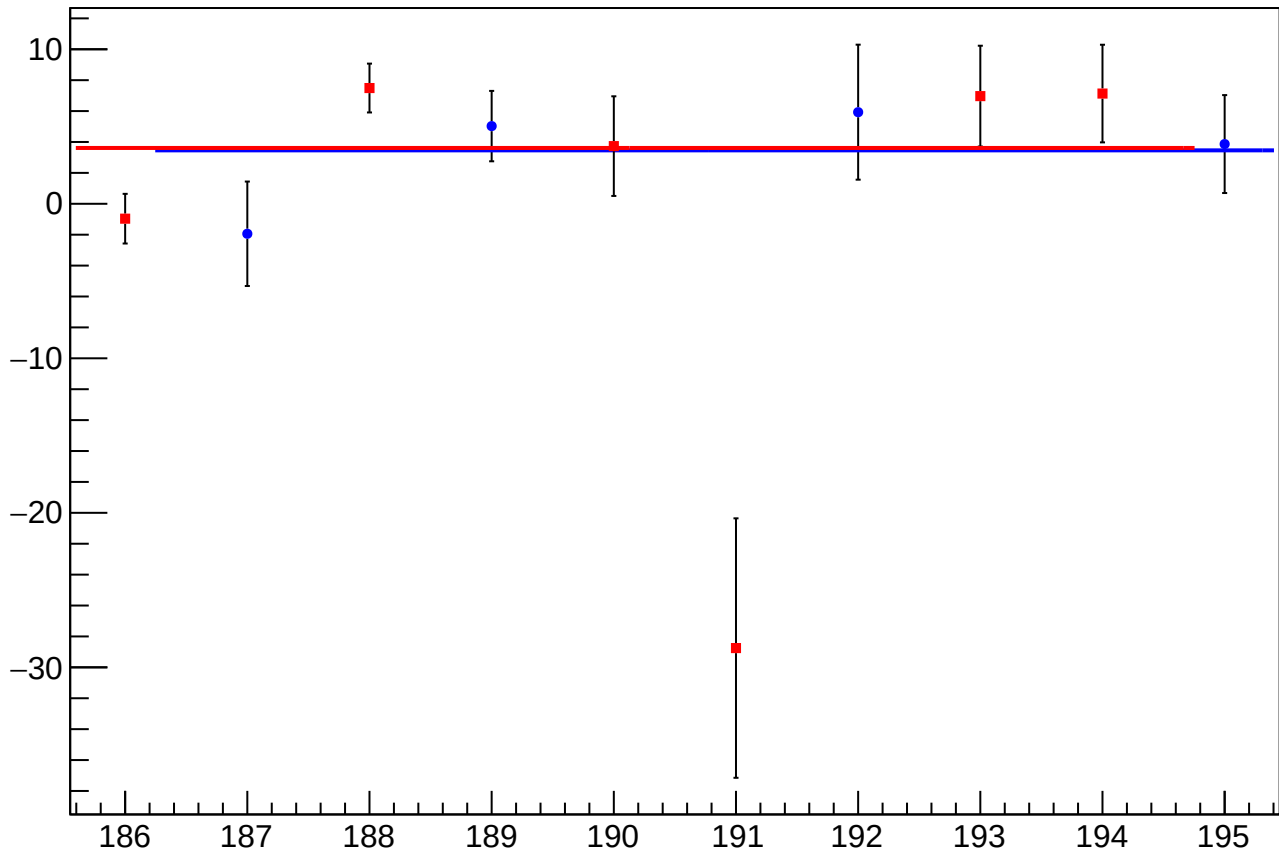
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.616+/-0.644  $\chi^2/\text{NDF}$ : 169.0/9

- 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: 3.613+/-0.957  $\chi^2/\text{NDF}$ : 31.3/5

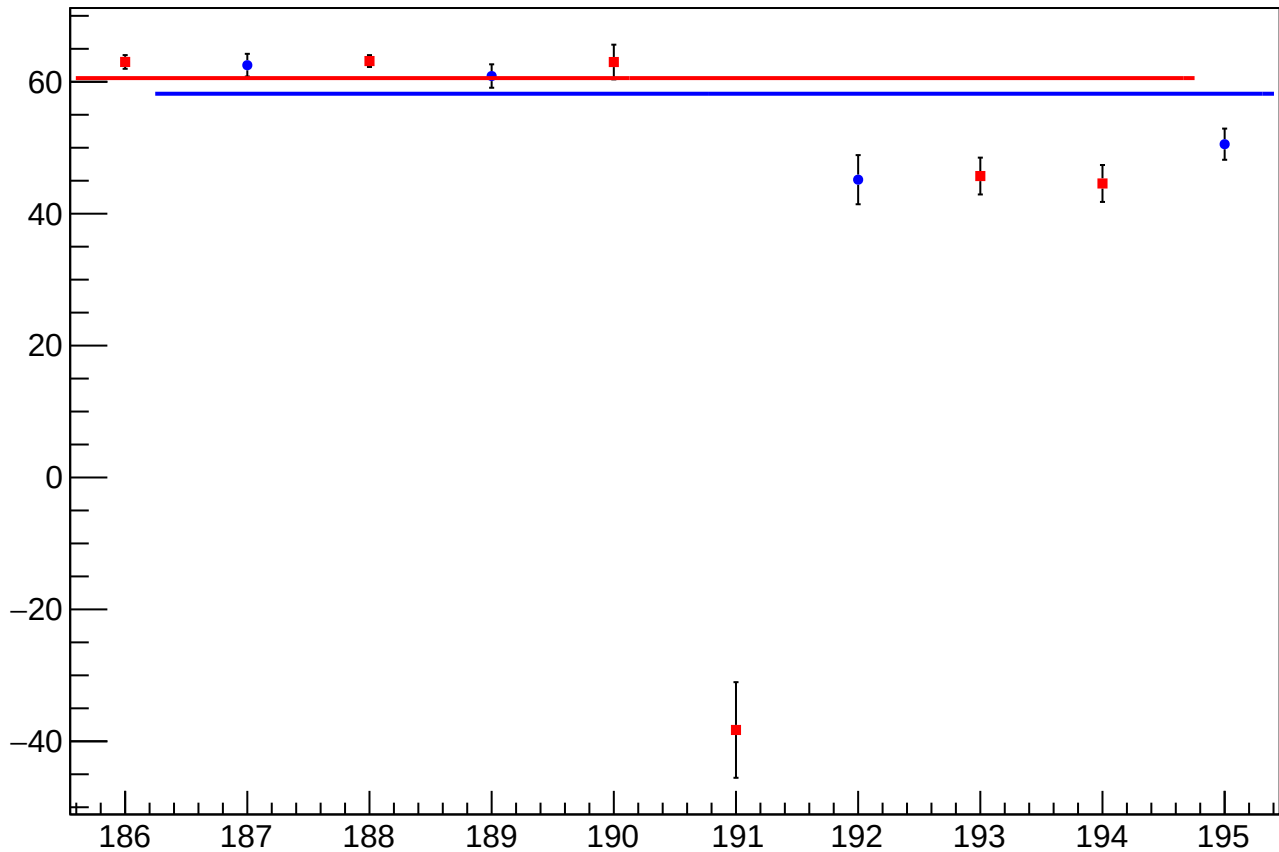
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.569+/-0.810  $\chi^2/\text{NDF}$ : 34.7/9

- 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: 60.558 $\pm$ 0.622  $\chi^2$ /NDF: 261.4/5

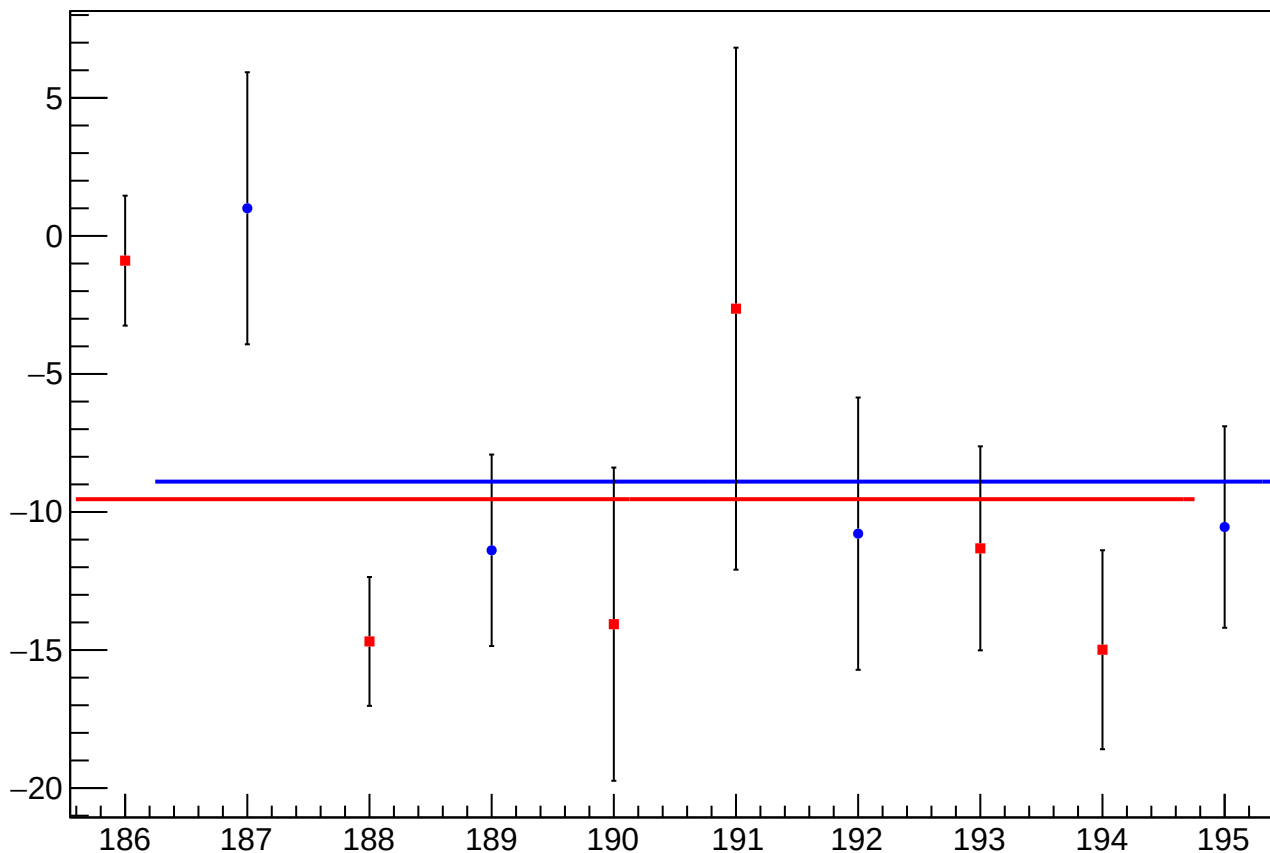
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 59.944 $\pm$ 0.535  $\chi^2$ /NDF: 296.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4eY\_slope vs Slug



Right In: -8.899 $\pm$ 2.039  $\chi^2$ /NDF: 4.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -9.536 $\pm$ 1.340  $\chi^2$ /NDF: 22.0/5

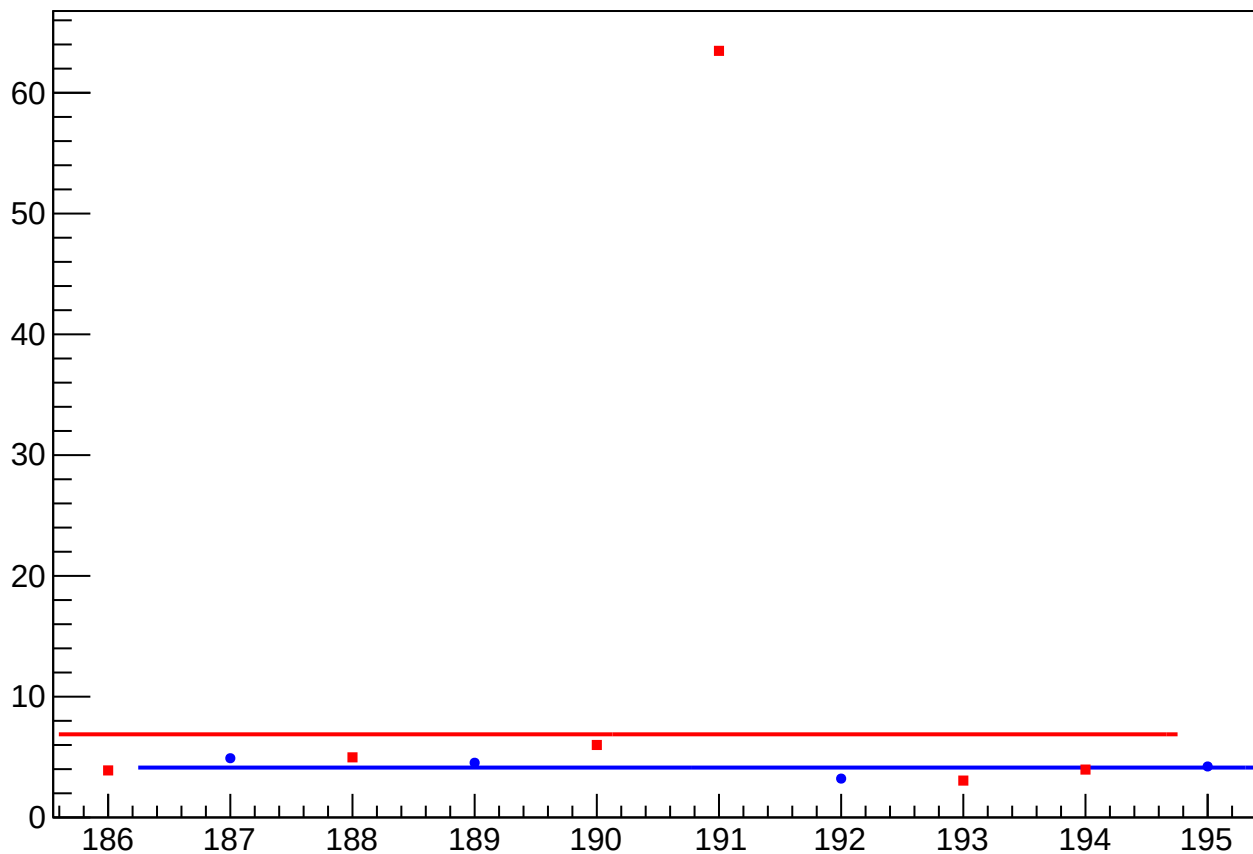
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -9.344 $\pm$ 1.120  $\chi^2$ /NDF: 27.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 6.884 $\pm$ 0.055  $\chi^2$ /NDF: 50276.5/5

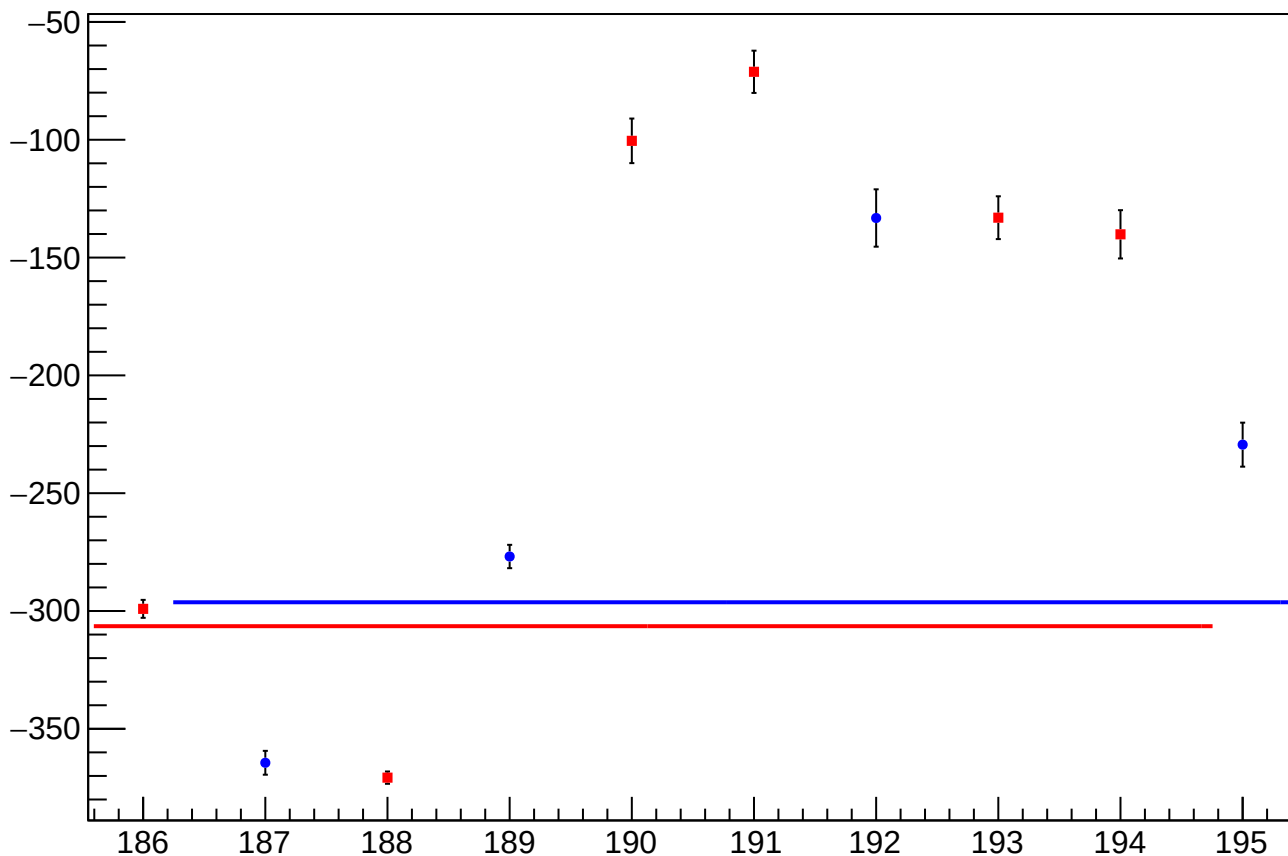
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 5.878 $\pm$ 0.044  $\chi^2$ /NDF: 51234.9/9

- 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  $\chi^2/\text{NDF}$ : 427.3/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -306.445+/-1.959  $\chi^2/\text{NDF}$ : 2399.5/5

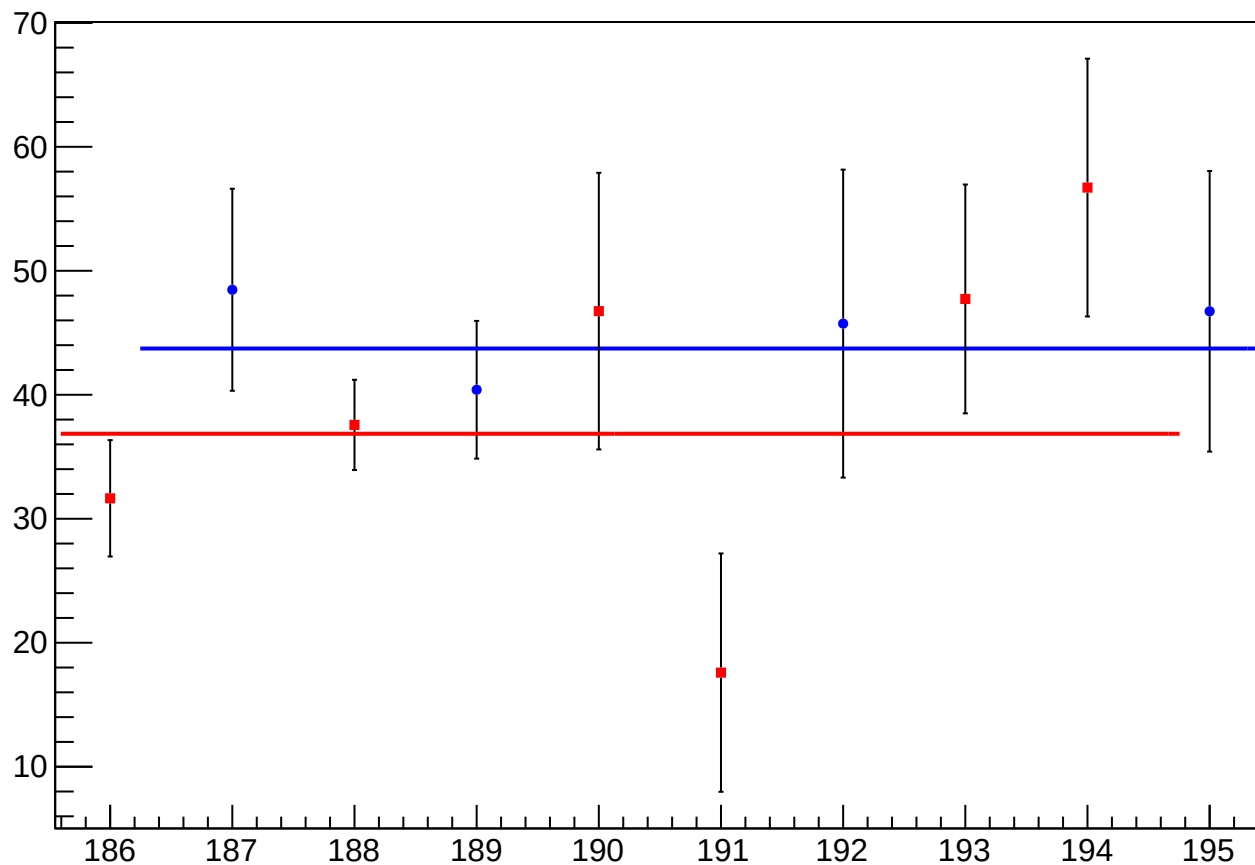
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -303.672+/-1.670  $\chi^2/\text{NDF}$ : 2834.1/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: 36.856 $\pm$ 2.494  $\chi^2$ /NDF: 11.1/5

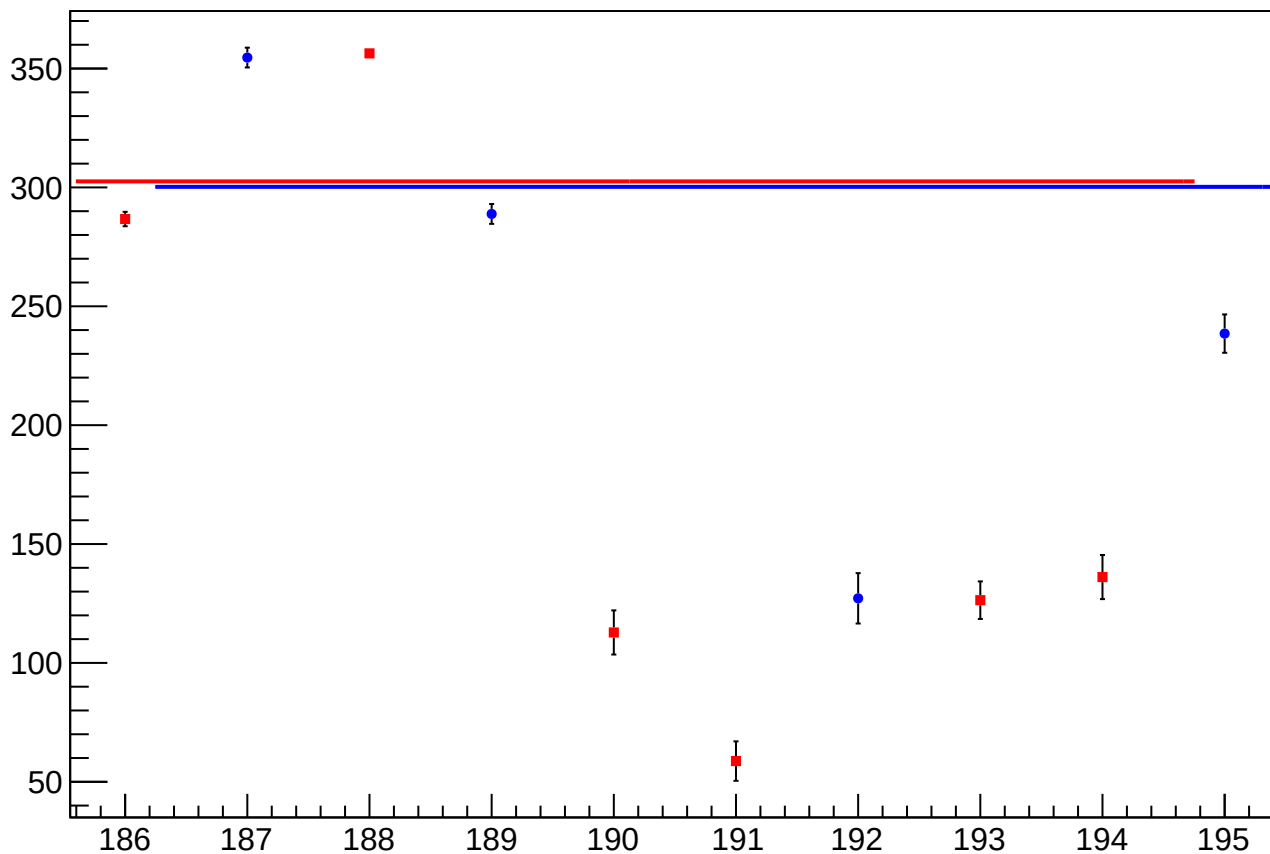
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 38.764 $\pm$ 2.120  $\chi^2$ /NDF: 14.0/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug



Right In: 300.236 $\pm$ 2.677  $\chi^2$ /NDF: 503.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 302.532 $\pm$ 1.604  $\chi^2$ /NDF: 2784.3/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

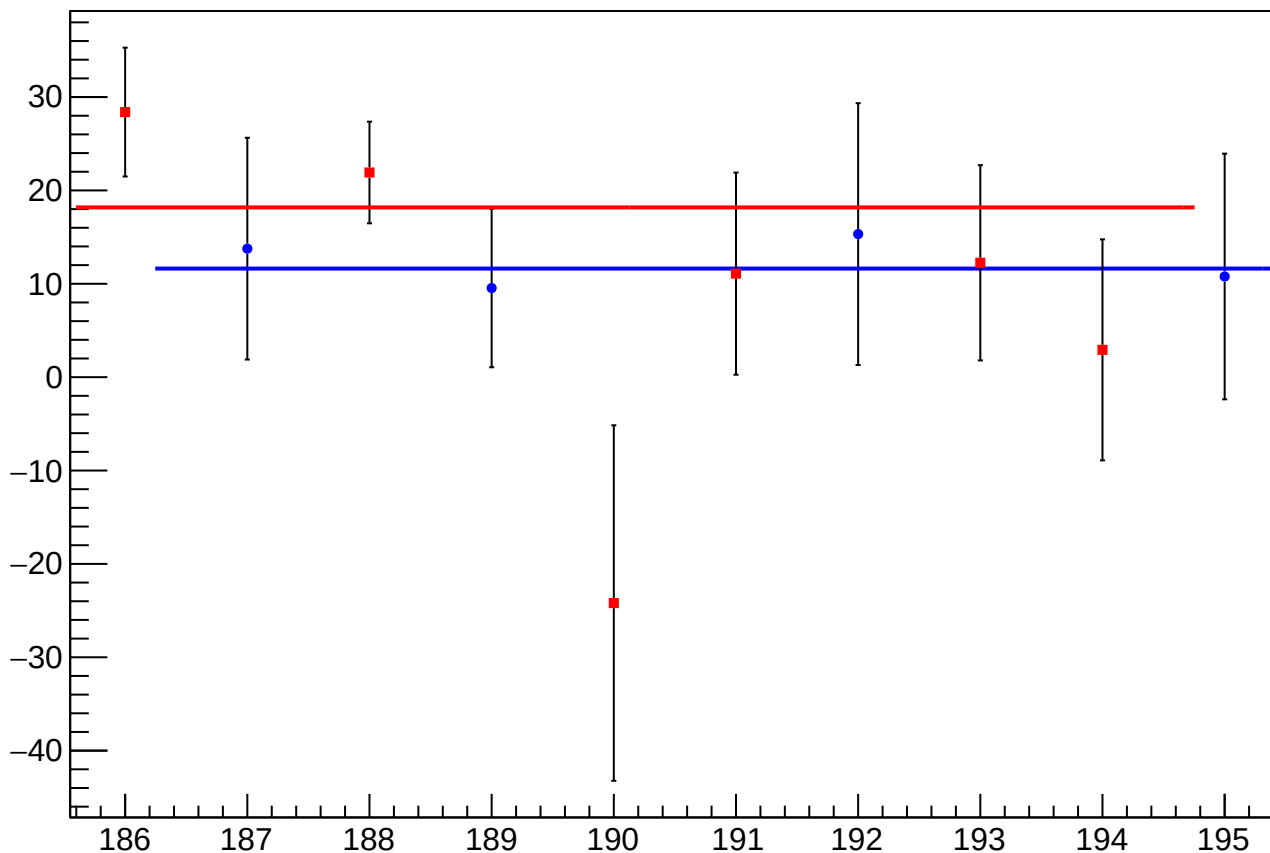
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 301.926 $\pm$ 1.376  $\chi^2$ /NDF: 3288.8/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0



reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug



Right In: 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: 18.183 $\pm$ 3.485  $\chi^2$ /NDF: 10.0/5

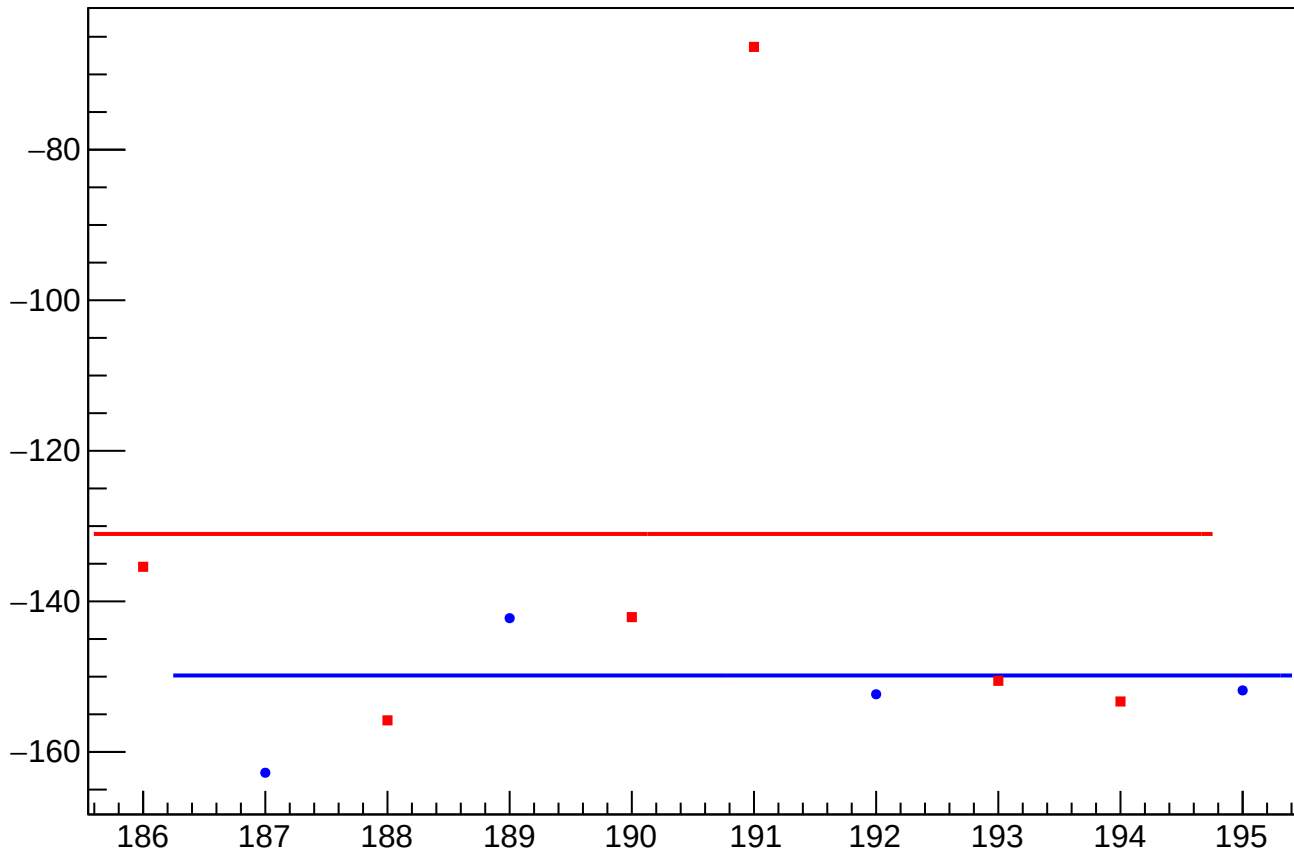
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 16.357 $\pm$ 2.959  $\chi^2$ /NDF: 11.2/9

- 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+/-0.220  $\chi^2/\text{NDF}$ : 835.4/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -131.042+/-0.143  $\chi^2/\text{NDF}$ : 63563.4/5

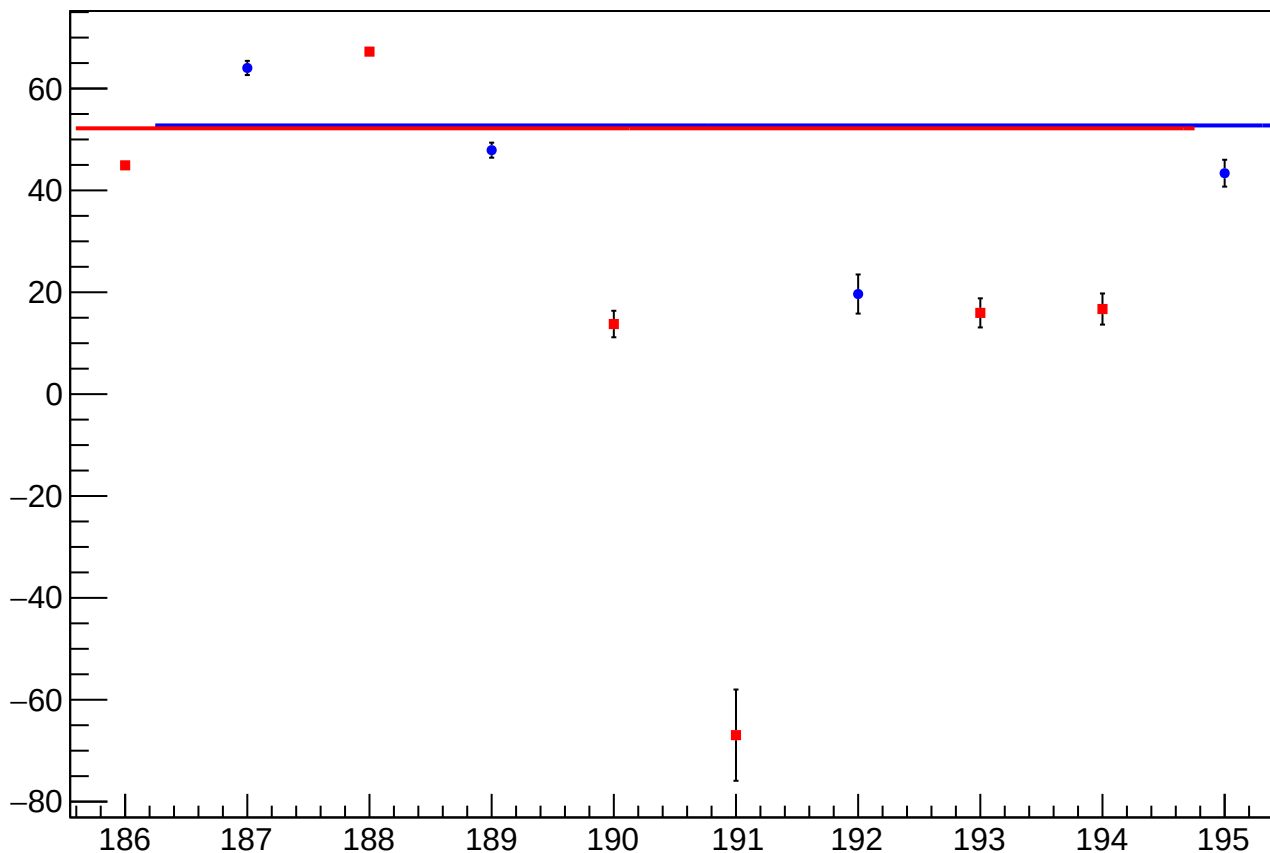
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -136.629+/-0.120  $\chi^2/\text{NDF}$ : 69529.5/9

- sign 0.000+/-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: 52.186 $\pm$ 0.543  $\chi^2$ /NDF: 1139.1/5

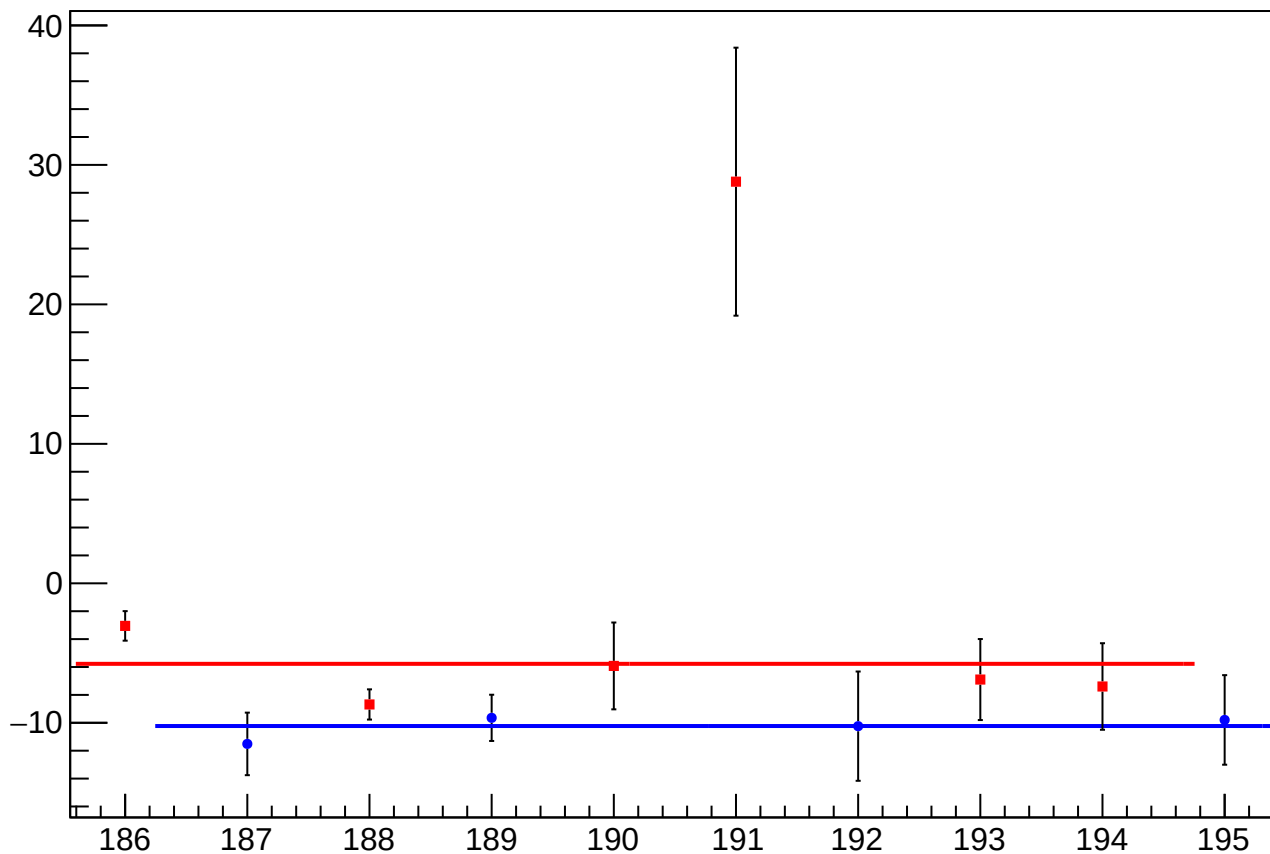
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 52.332 $\pm$ 0.467  $\chi^2$ /NDF: 1302.8/9

- 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:  $-5.773 \pm 0.694$   $\chi^2/\text{NDF}$ : 27.2/5

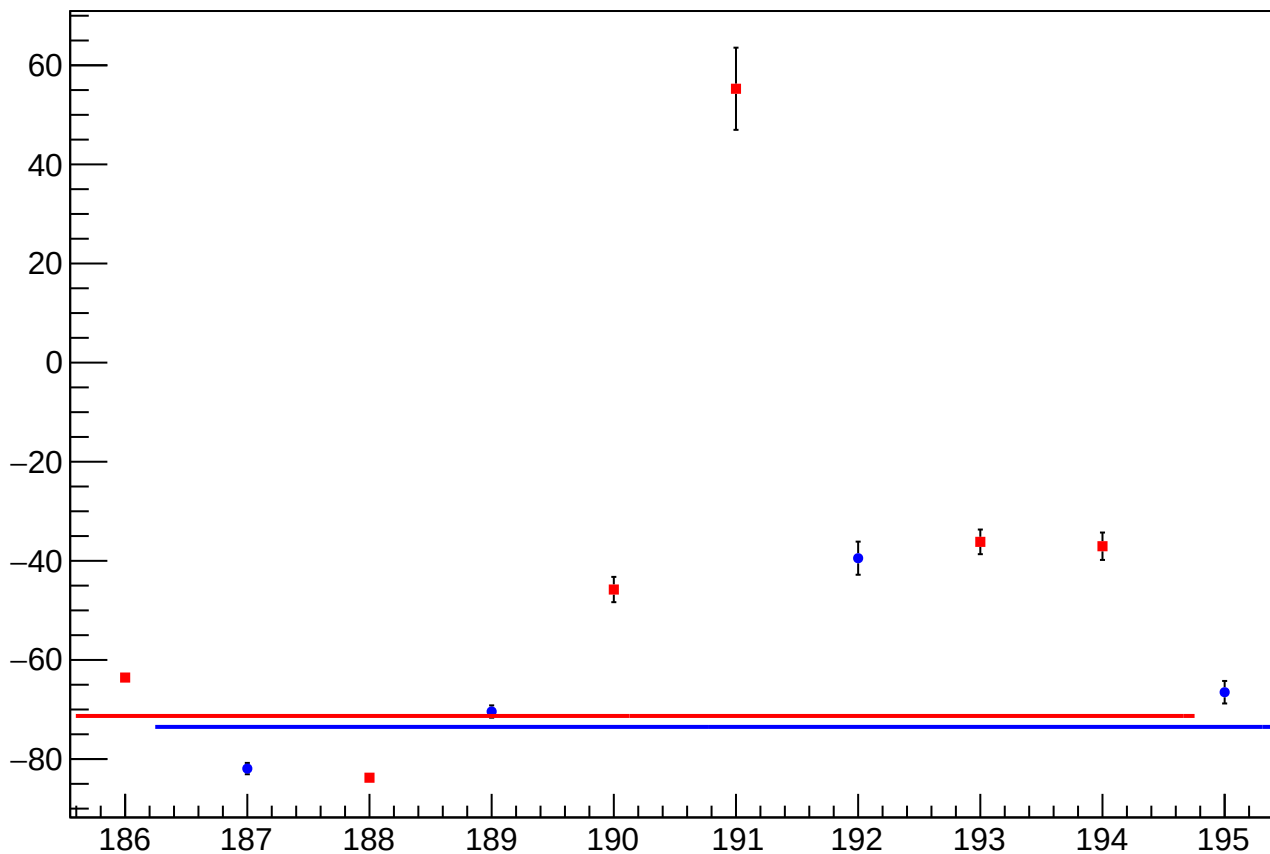
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-6.926 \pm 0.597$   $\chi^2/\text{NDF}$ : 38.4/9

- 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  $\chi^2$ /NDF: 173.6/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -71.301 $\pm$ 0.442  $\chi^2$ /NDF: 1212.0/5

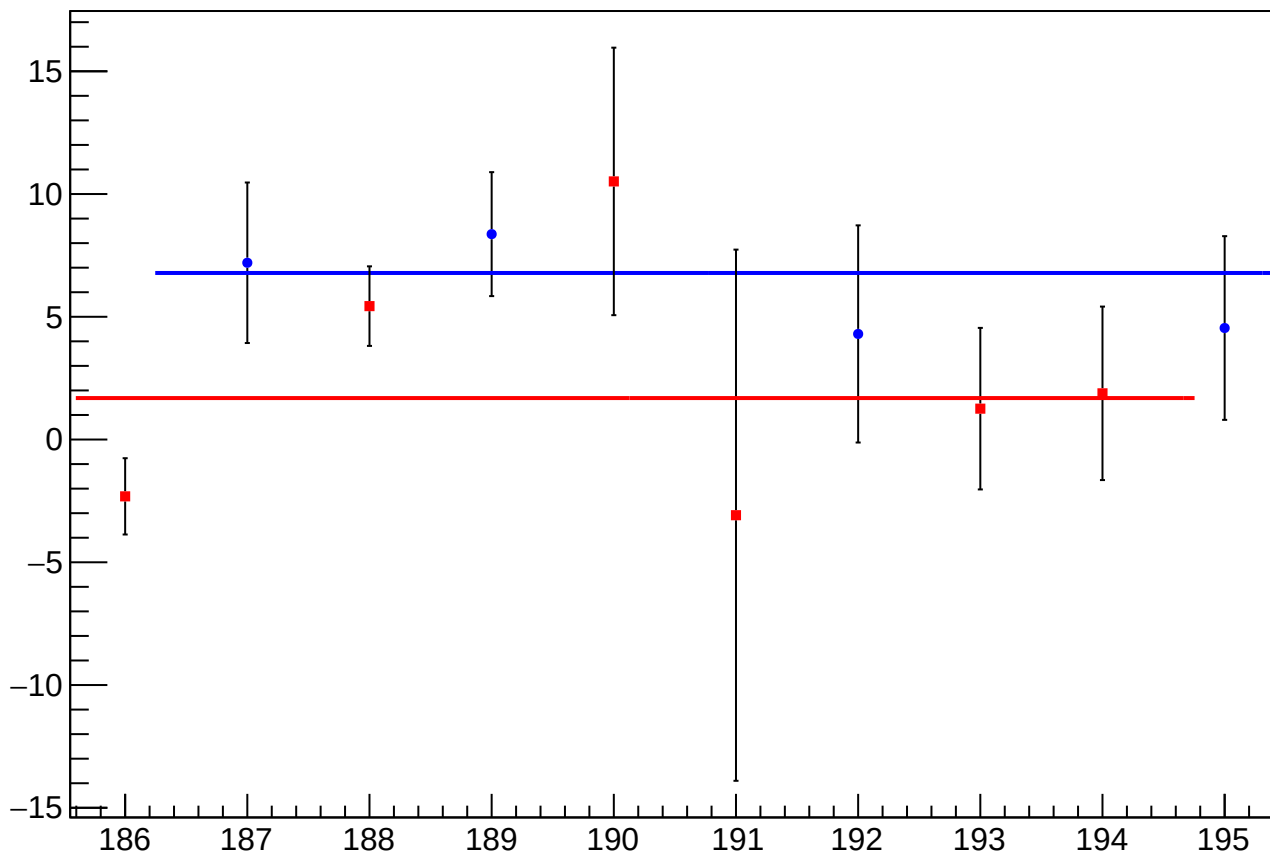
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -71.851 $\pm$ 0.383  $\chi^2$ /NDF: 1391.9/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /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: 1.689 $\pm$ 0.995  $\chi^2$ /NDF: 14.8/5

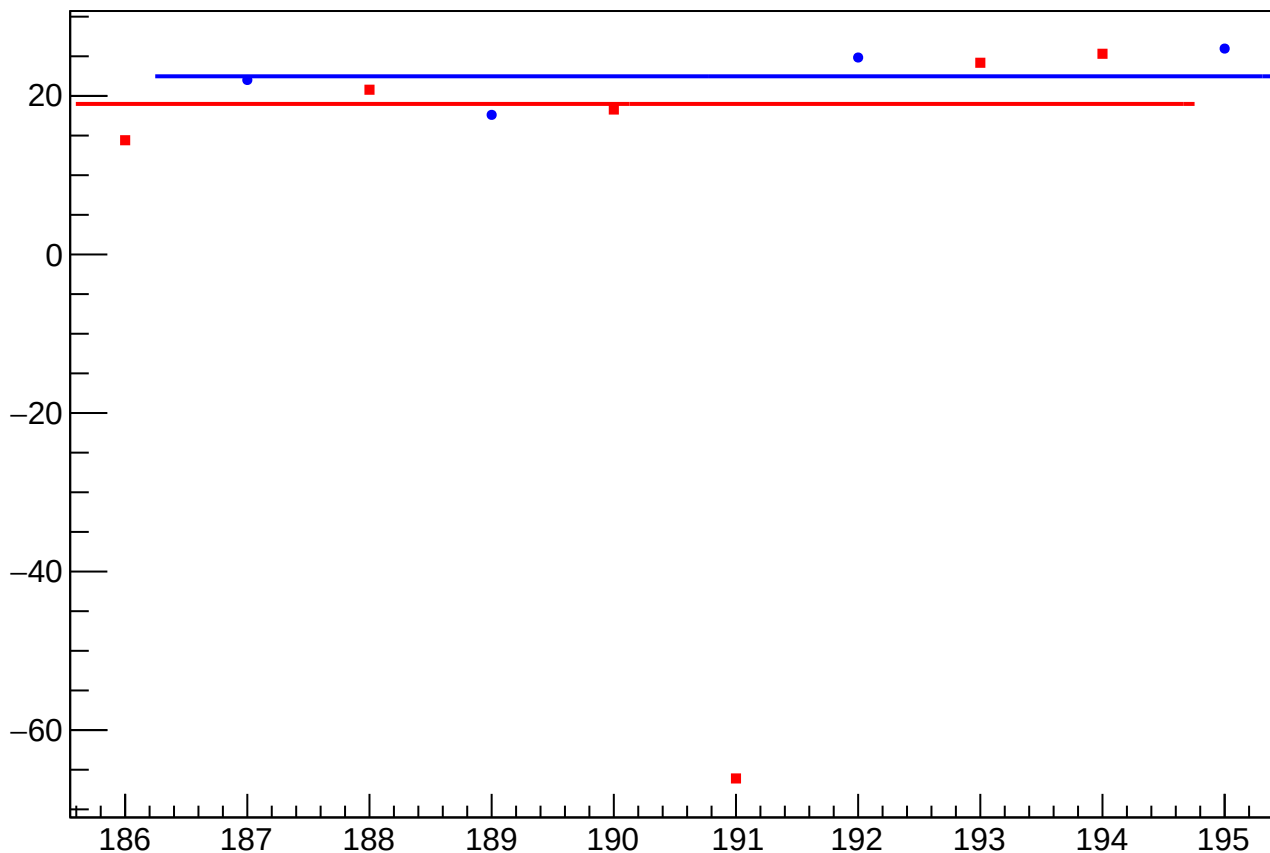
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.064 $\pm$ 0.850  $\chi^2$ /NDF: 23.0/9

- 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: 18.991+/-0.047  $\chi^2/\text{NDF}$ : 90947.6/5

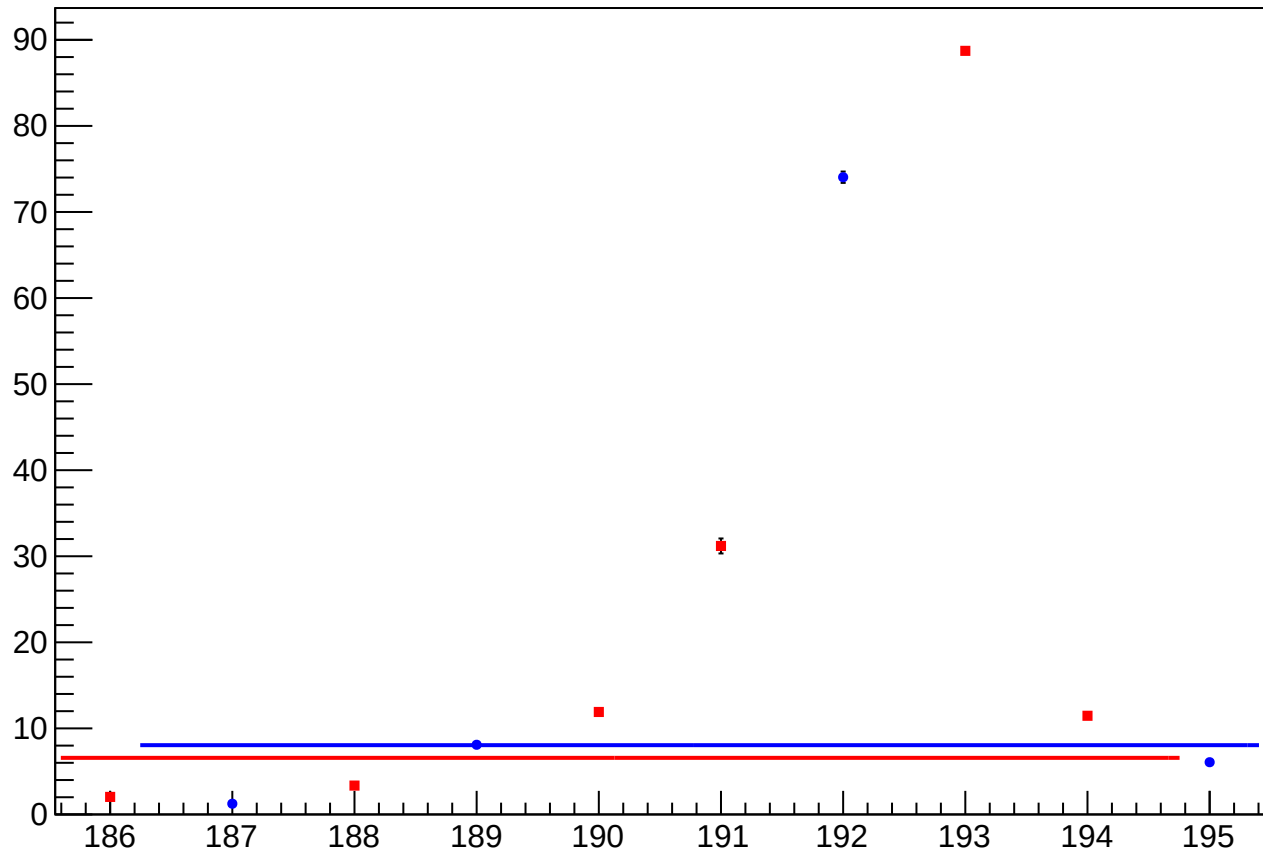
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 20.172+/-0.038  $\chi^2/\text{NDF}$ : 95911.7/9

- 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+/-0.125  $\chi^2/\text{NDF}$ : 10724.5/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.577+/-0.087  $\chi^2/\text{NDF}$ : 24082.0/5

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

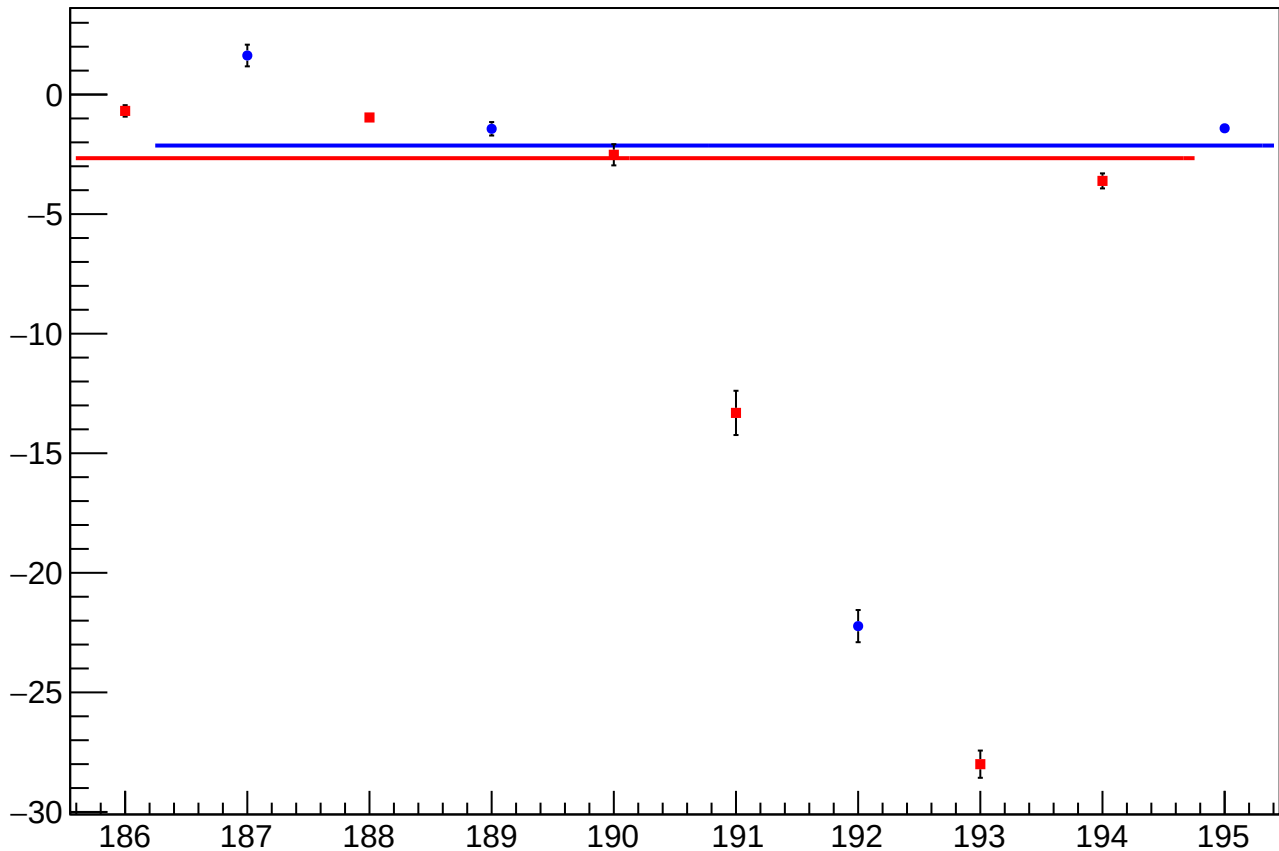
+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.062+/-0.072  $\chi^2/\text{NDF}$ : 34900.2/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 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: -2.661+/-0.115  $\chi^2/\text{NDF}$ : 2300.3/5

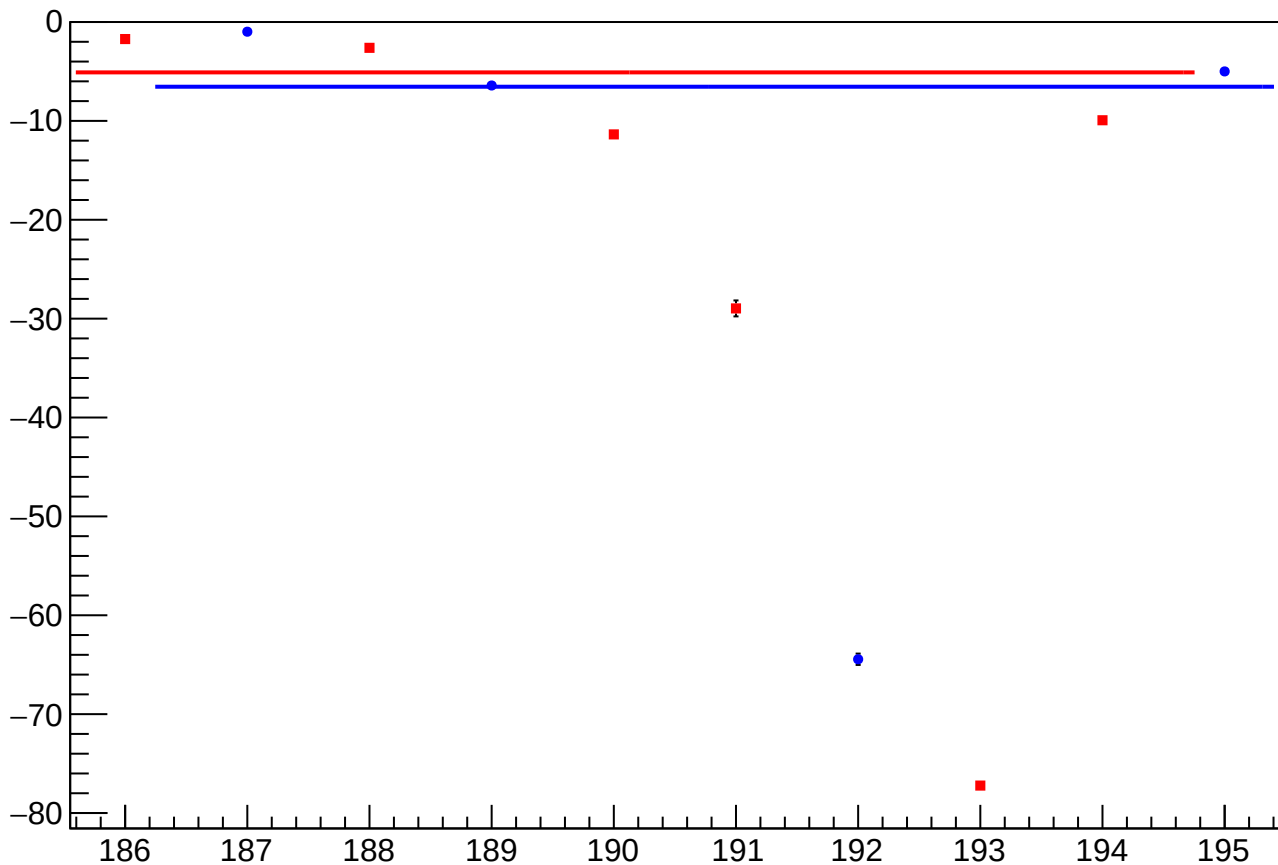
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.467+/-0.092  $\chi^2/\text{NDF}$ : 3287.3/9

- 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  $\chi^2$ /NDF: 10850.3/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -5.095 $\pm$ 0.072  $\chi^2$ /NDF: 24560.8/5

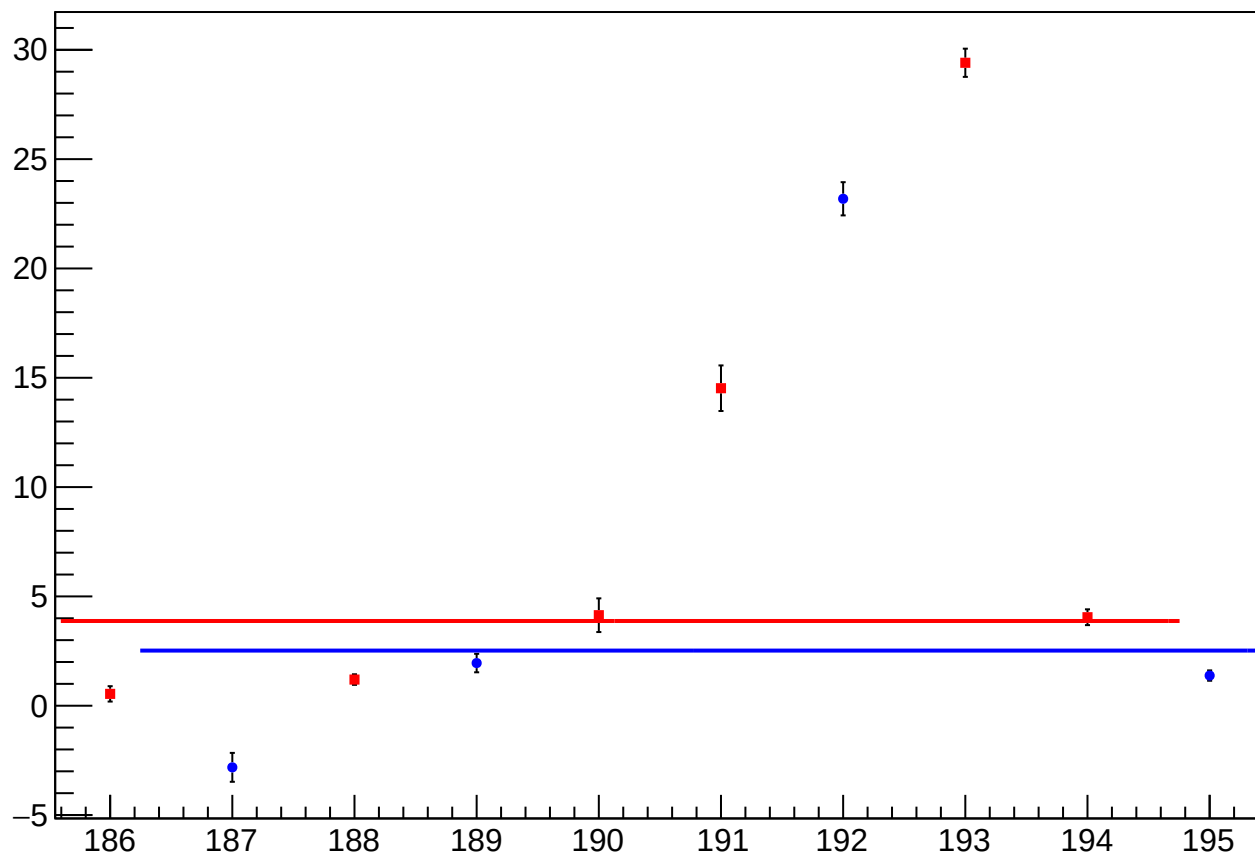
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -5.546 $\pm$ 0.059  $\chi^2$ /NDF: 35538.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug



Right In: 2.522 $\pm$ 0.191  $\chi^2$ /NDF: 830.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 3.876 $\pm$ 0.162  $\chi^2$ /NDF: 1883.8/5

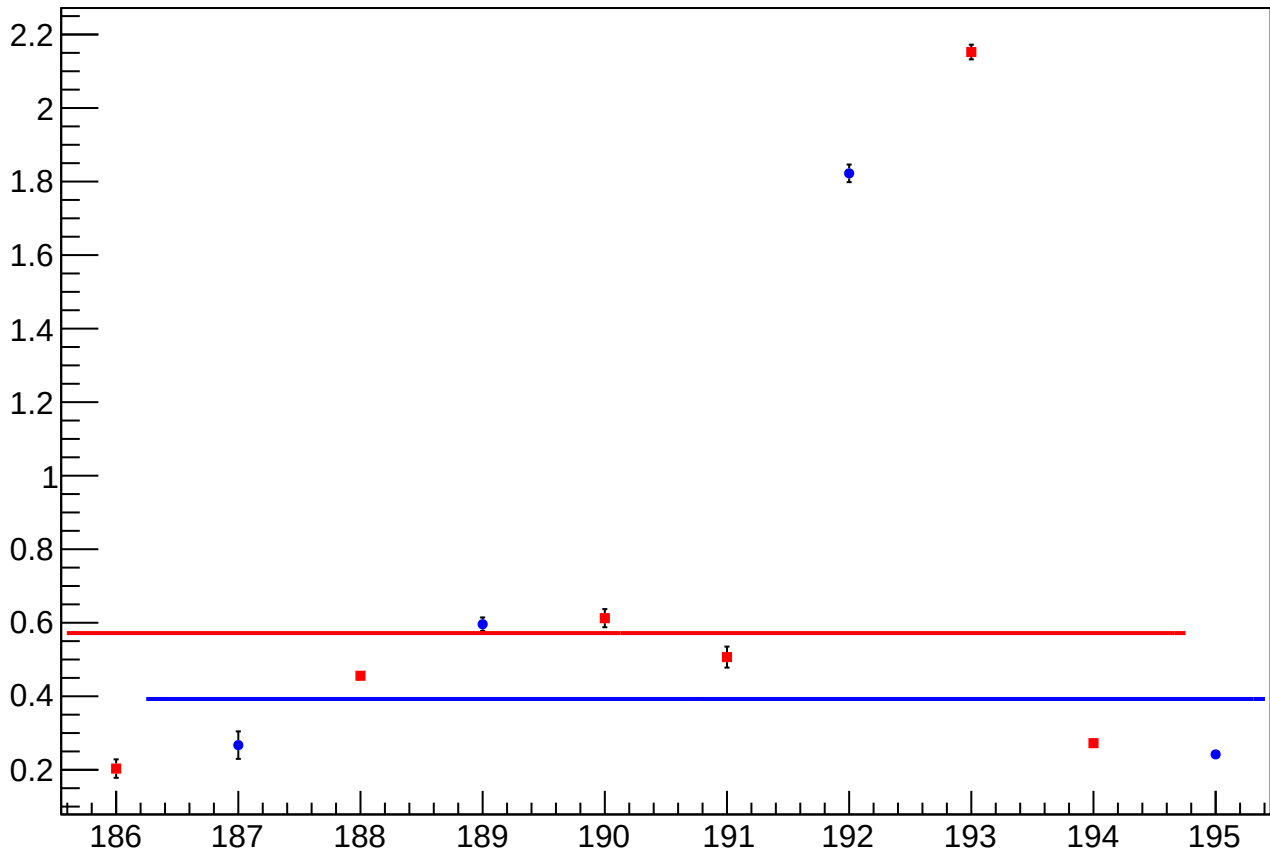
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.307 $\pm$ 0.124  $\chi^2$ /NDF: 2743.2/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug



Right In: 0.393+/-0.006  $\chi^2/\text{NDF}$ : 4145.8/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.572+/-0.007  $\chi^2/\text{NDF}$ : 7319.6/5

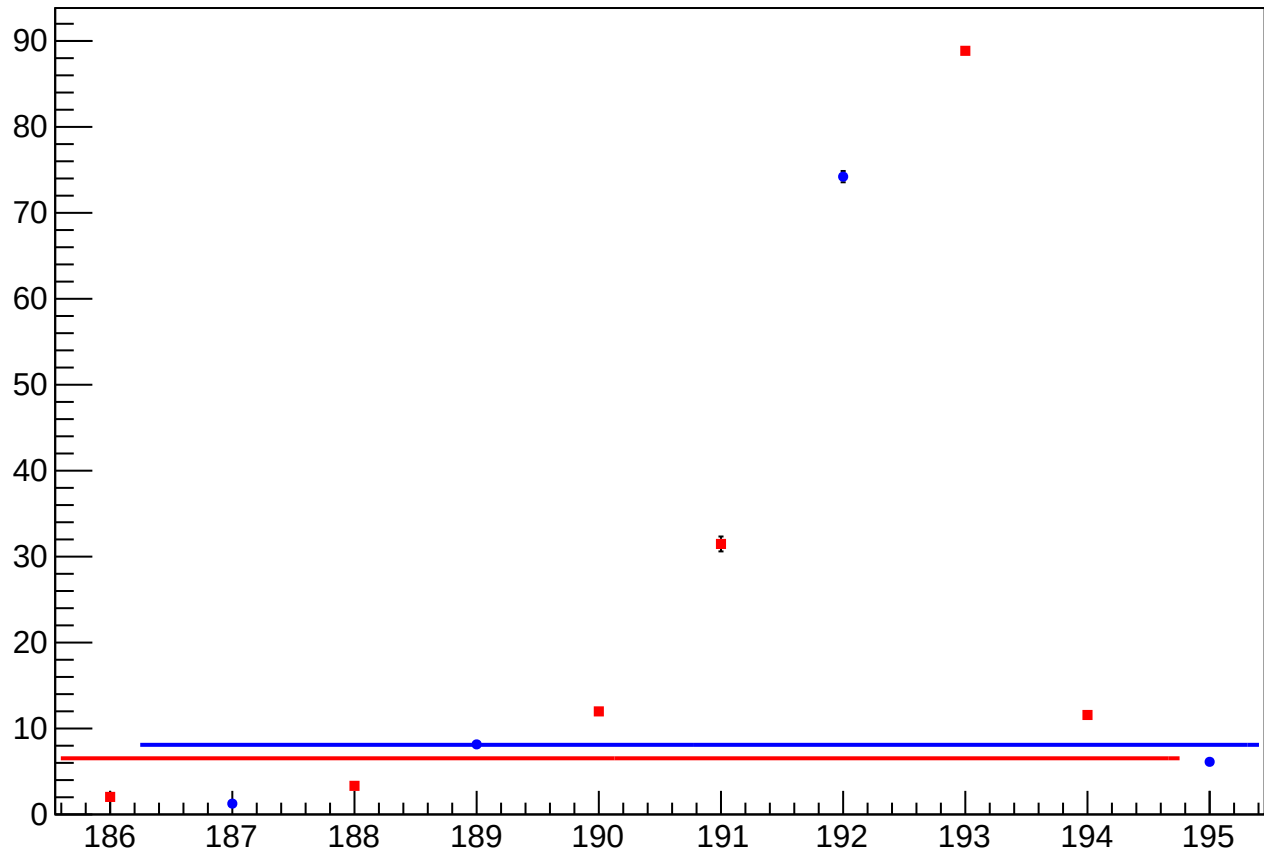
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.476+/-0.005  $\chi^2/\text{NDF}$ : 11844.9/9

- 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 $\pm$ 0.124  $\chi^2$ /NDF: 10848.9/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.534 $\pm$ 0.086  $\chi^2$ /NDF: 24437.3/5

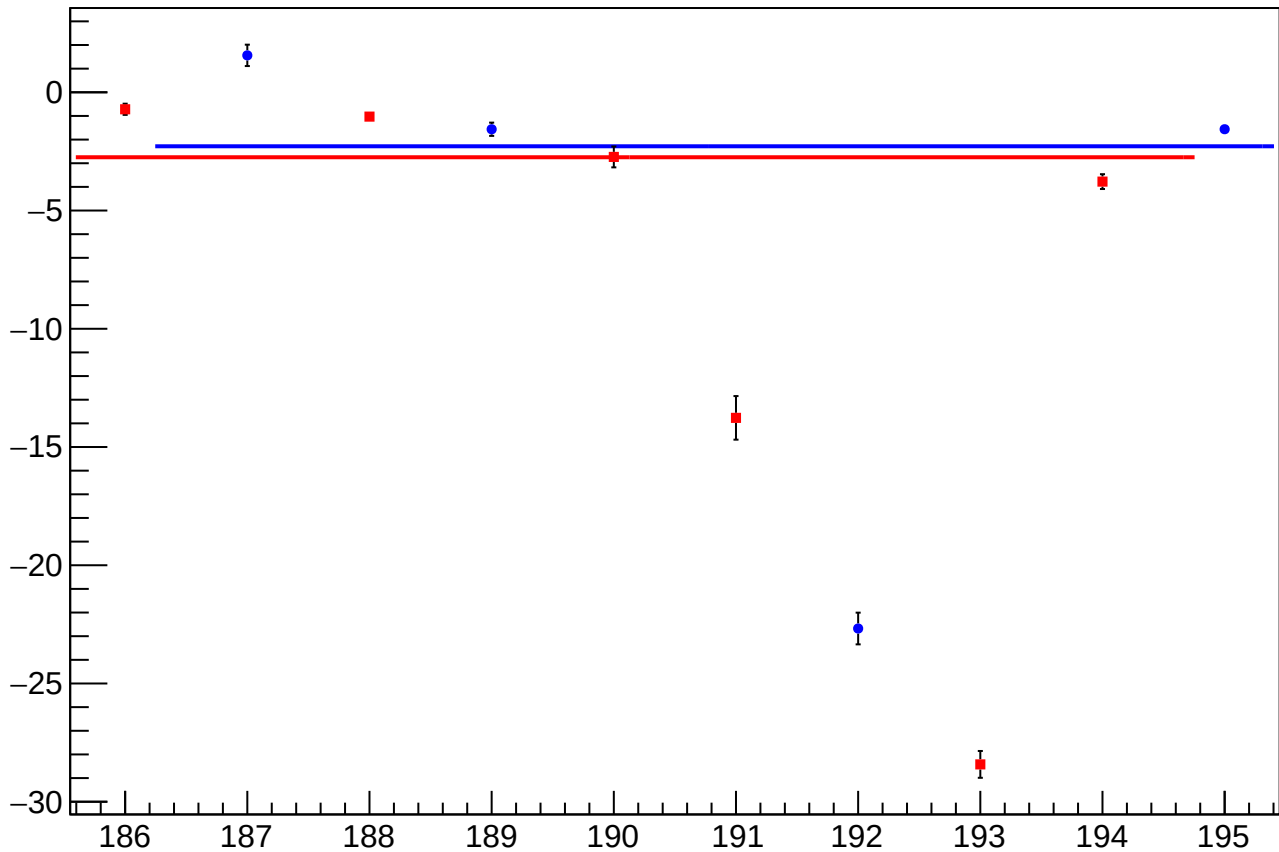
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 7.046 $\pm$ 0.071  $\chi^2$ /NDF: 35393.6/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug



Right In:  $-2.283 \pm 0.151$   $\chi^2/\text{NDF}$ : 1016.7/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.747 \pm 0.114$   $\chi^2/\text{NDF}$ : 2392.9/5

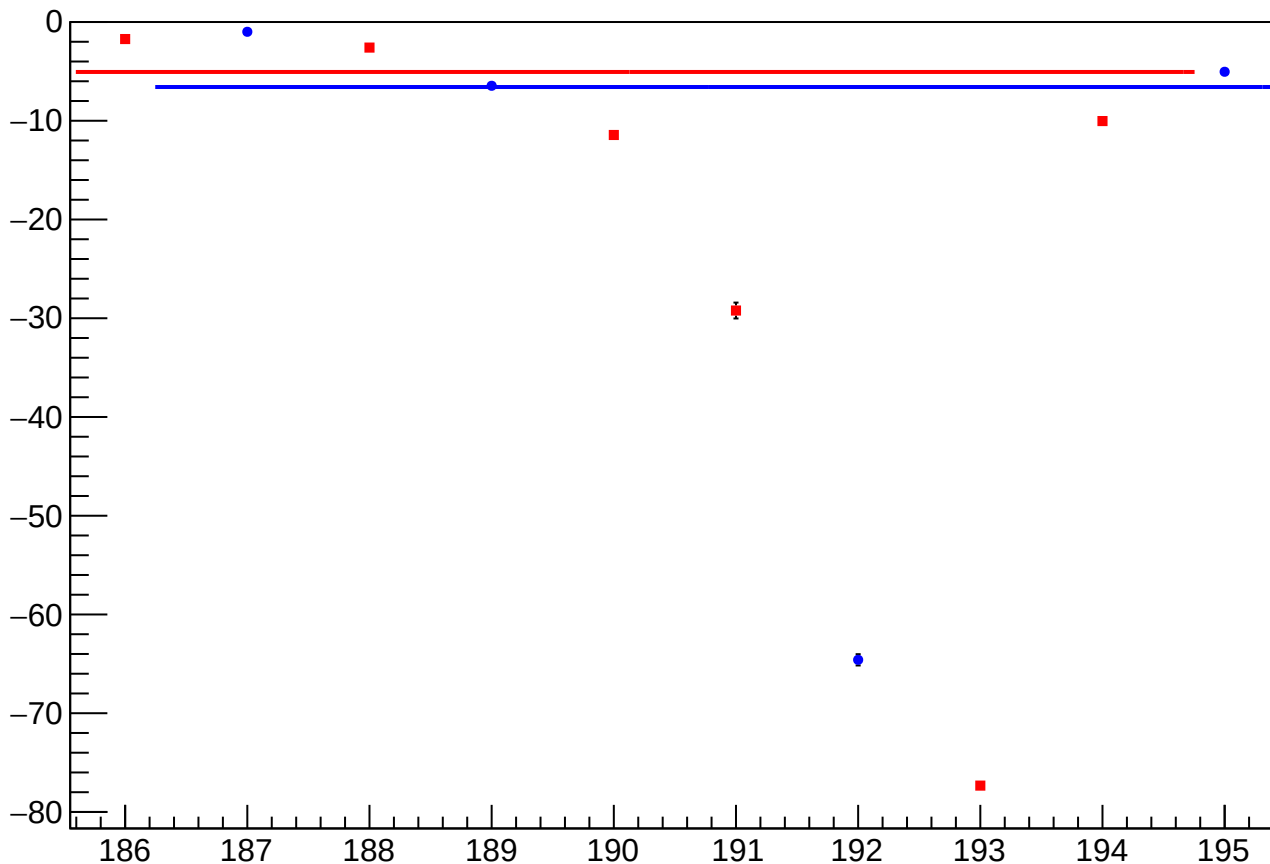
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.578 \pm 0.091$   $\chi^2/\text{NDF}$ : 3415.7/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

# reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug



Right In:  $-6.582 \pm 0.106$   $\chi^2/\text{NDF}: 10973.9/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-5.058 \pm 0.071$   $\chi^2/\text{NDF}: 24915.2/5$

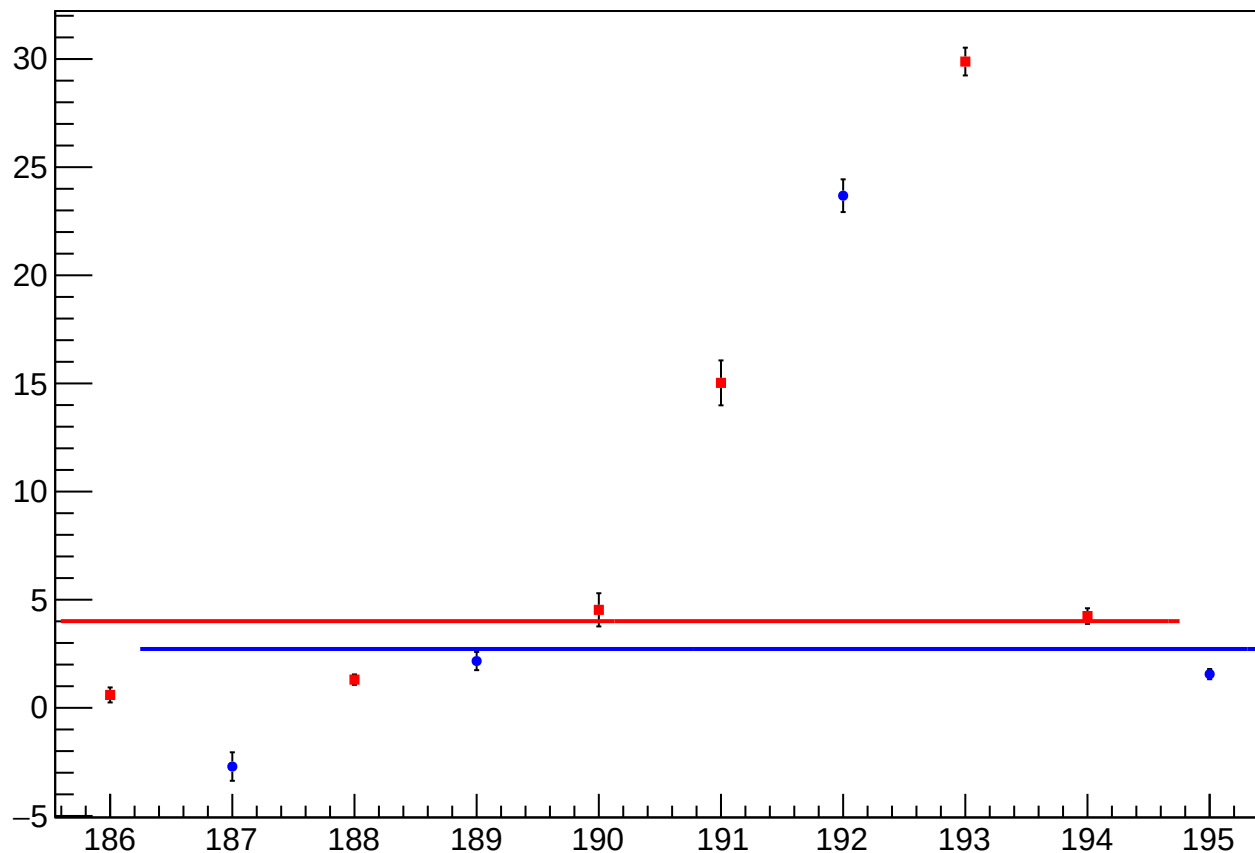
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.529 \pm 0.059$   $\chi^2/\text{NDF}: 36031.9/9$

- 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: 4.009 $\pm$ 0.161  $\chi^2$ /NDF: 1960.8/5

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

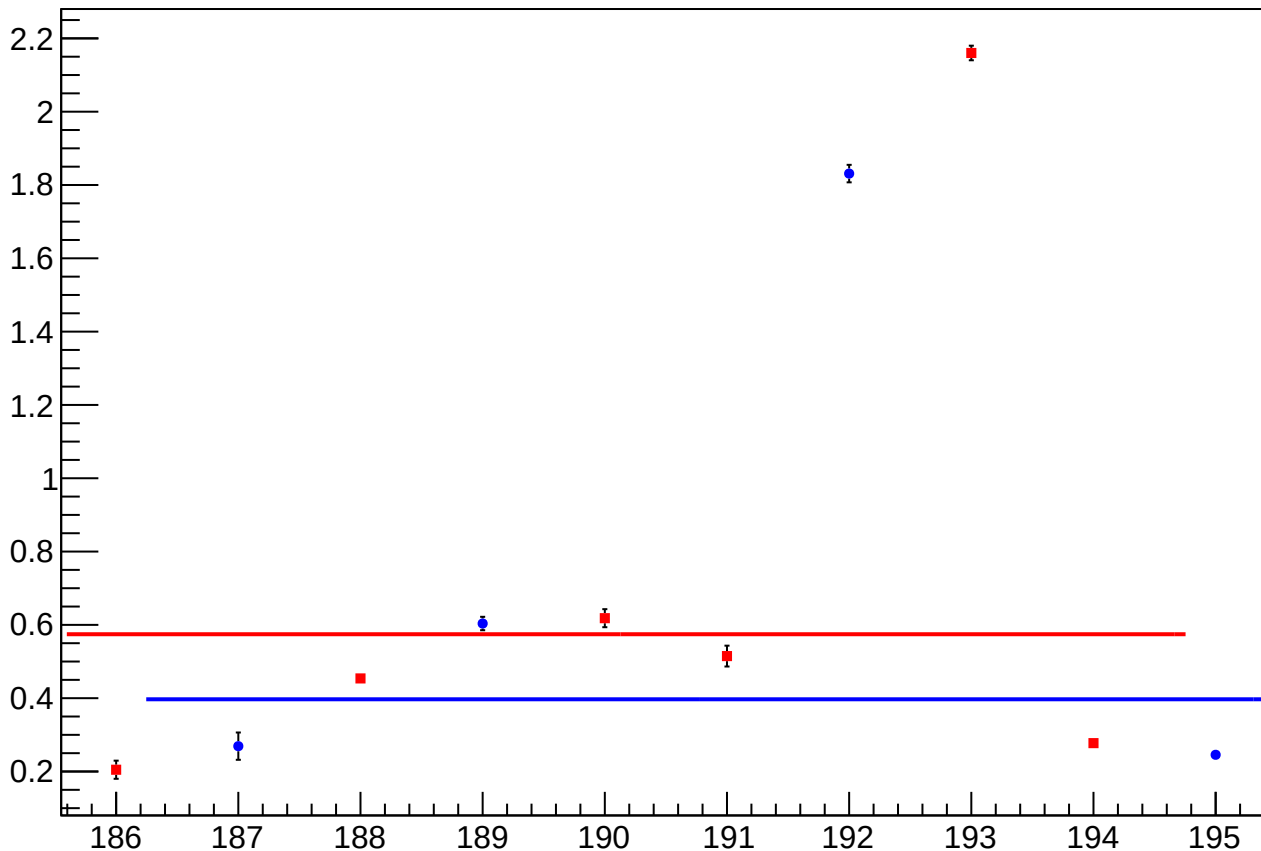
+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.471 $\pm$ 0.123  $\chi^2$ /NDF: 2848.4/9

- 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: 0.574 $\pm$ 0.007  $\chi^2$ /NDF: 7426.8/5

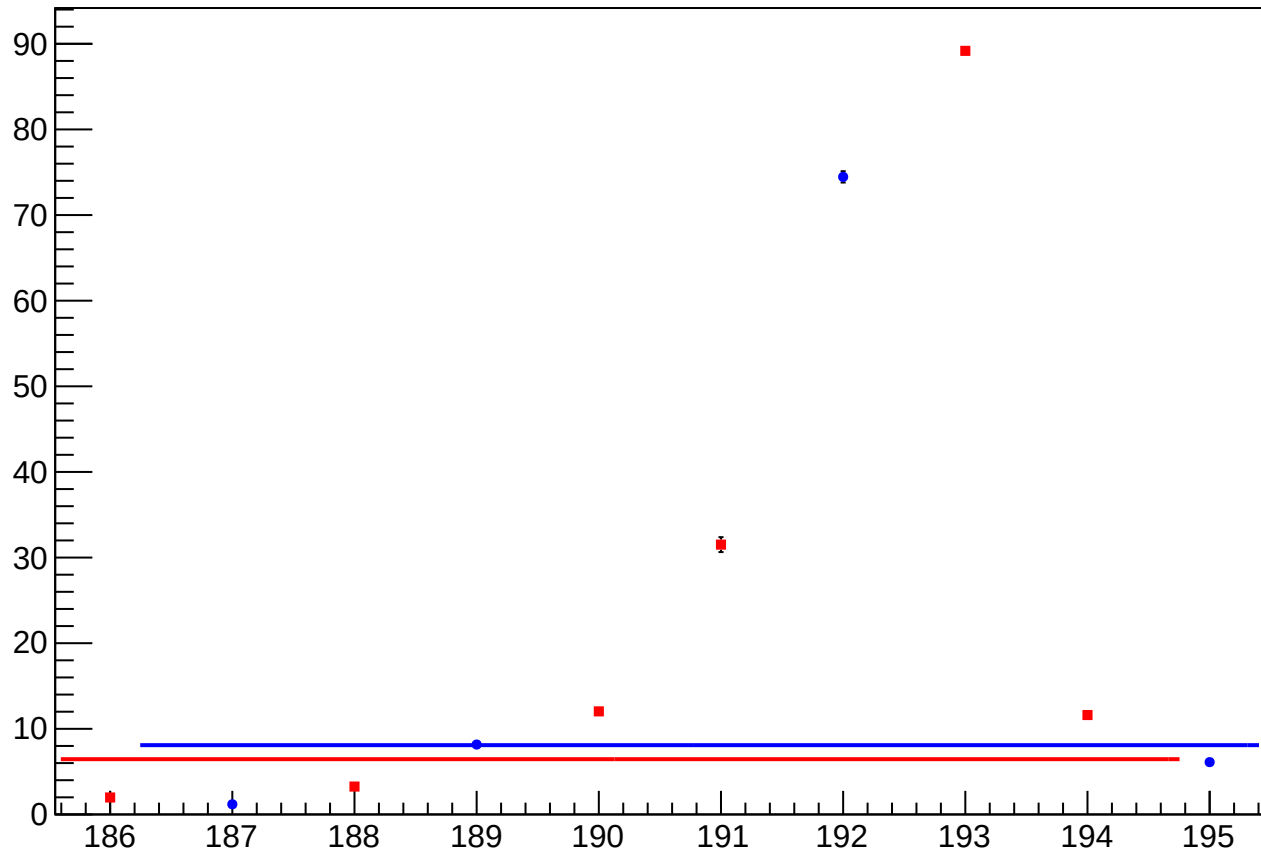
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.480 $\pm$ 0.005  $\chi^2$ /NDF: 12011.8/9

- 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: 6.455 $\pm$ 0.086  $\chi^2$ /NDF: 24468.7/5

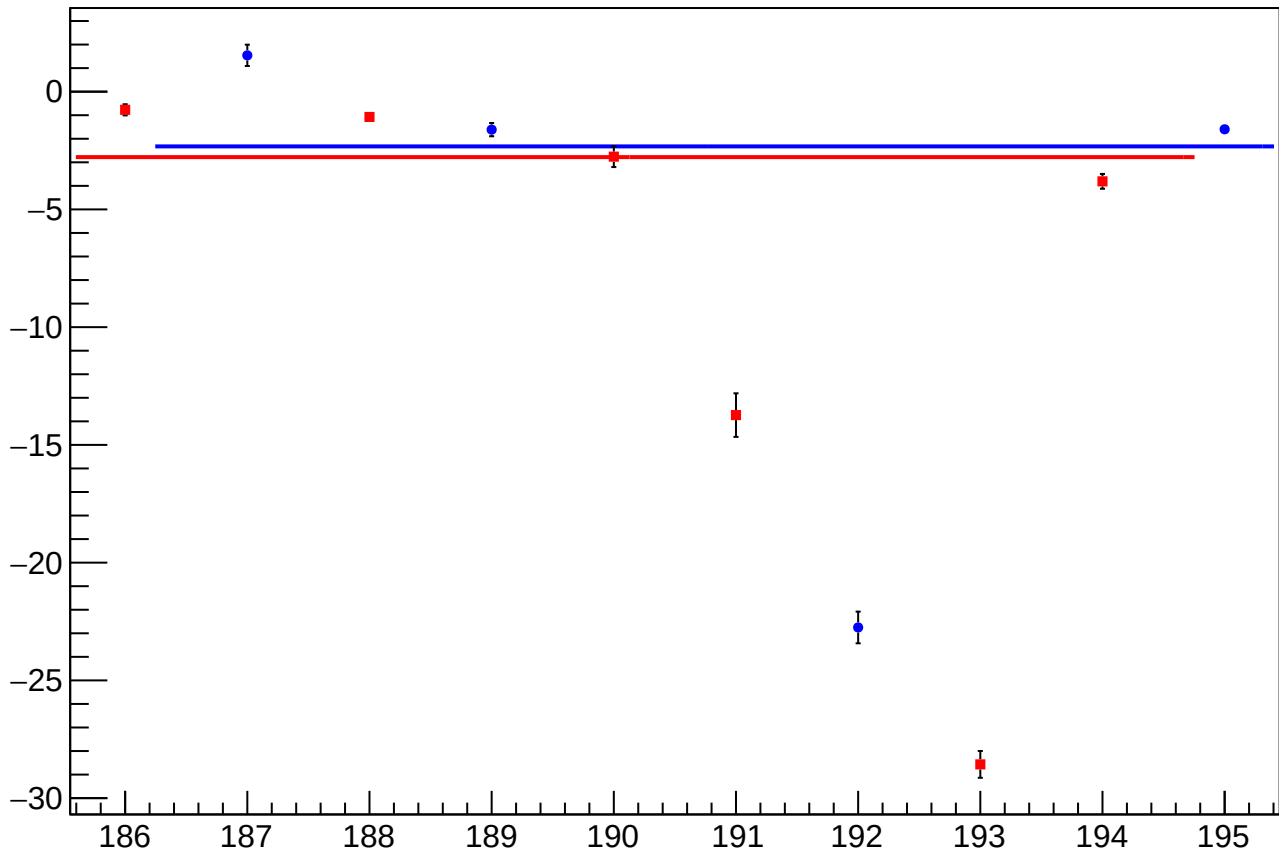
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.986 $\pm$ 0.071  $\chi^2$ /NDF: 35448.0/9

- 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: -2.779+/-0.114  $\chi^2/\text{NDF}$ : 2386.6/5

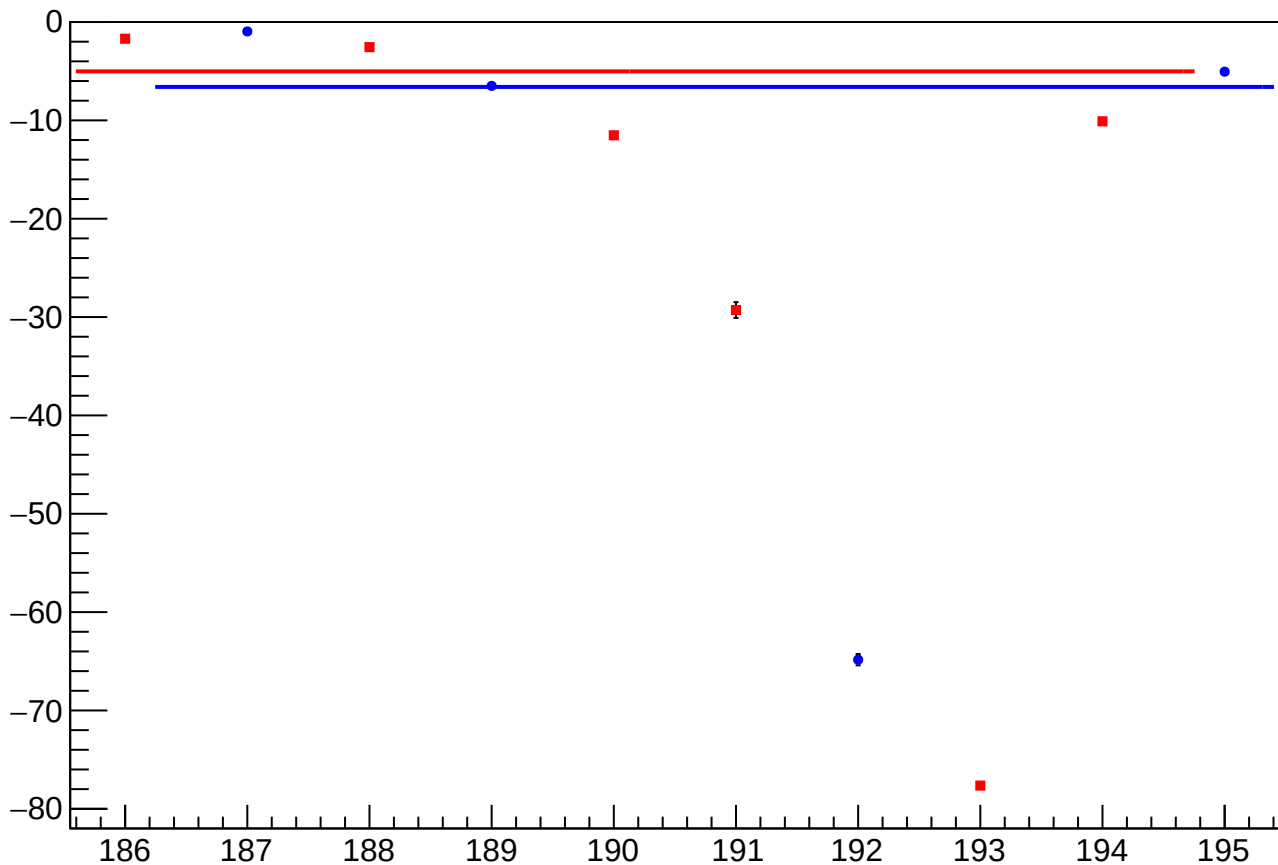
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.614+/-0.091  $\chi^2/\text{NDF}$ : 3406.0/9

- 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:  $-5.016 \pm 0.071$   $\chi^2/\text{NDF}$ : 24946.0/5

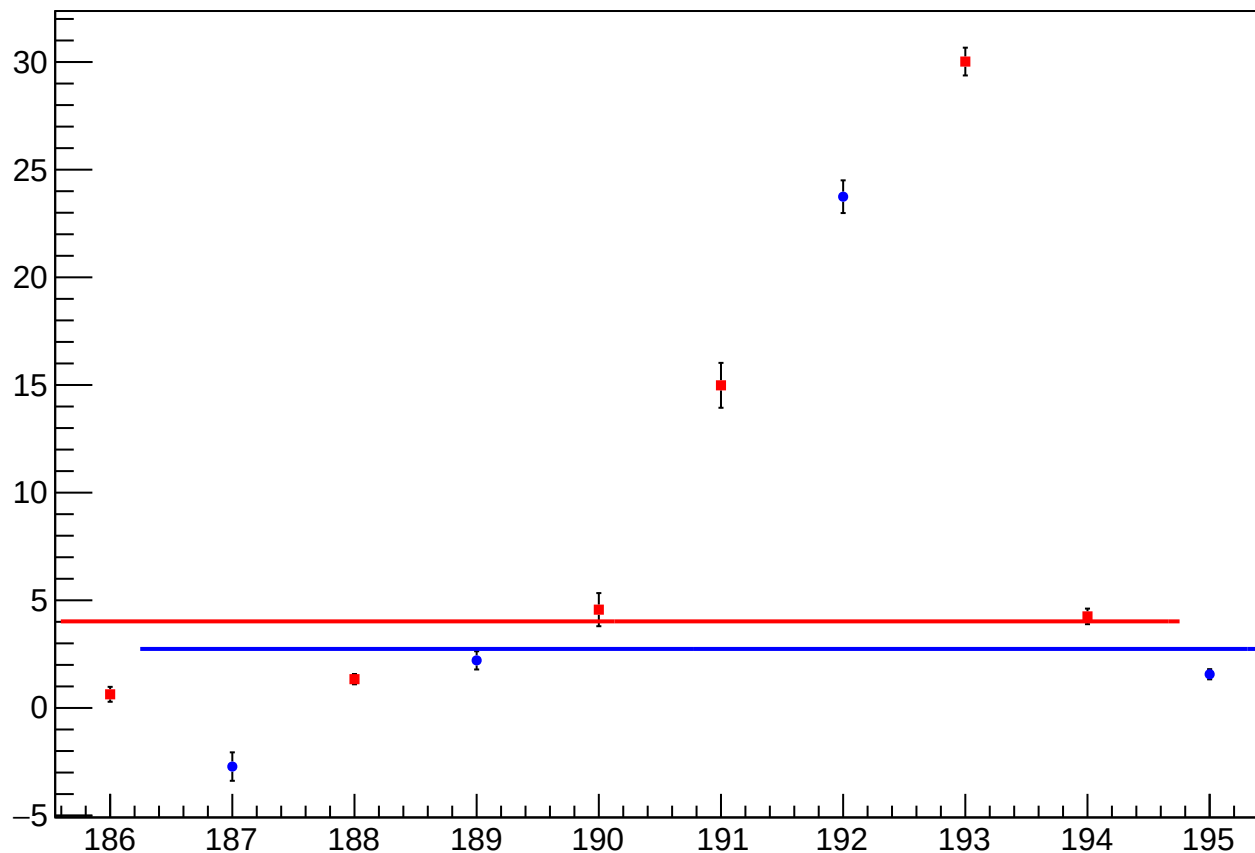
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-5.501 \pm 0.059$   $\chi^2/\text{NDF}$ : 36088.3/9

- 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 $\pm$ 0.191  $\chi^2$ /NDF: 859.2/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 4.021 $\pm$ 0.161  $\chi^2$ /NDF: 1957.0/5

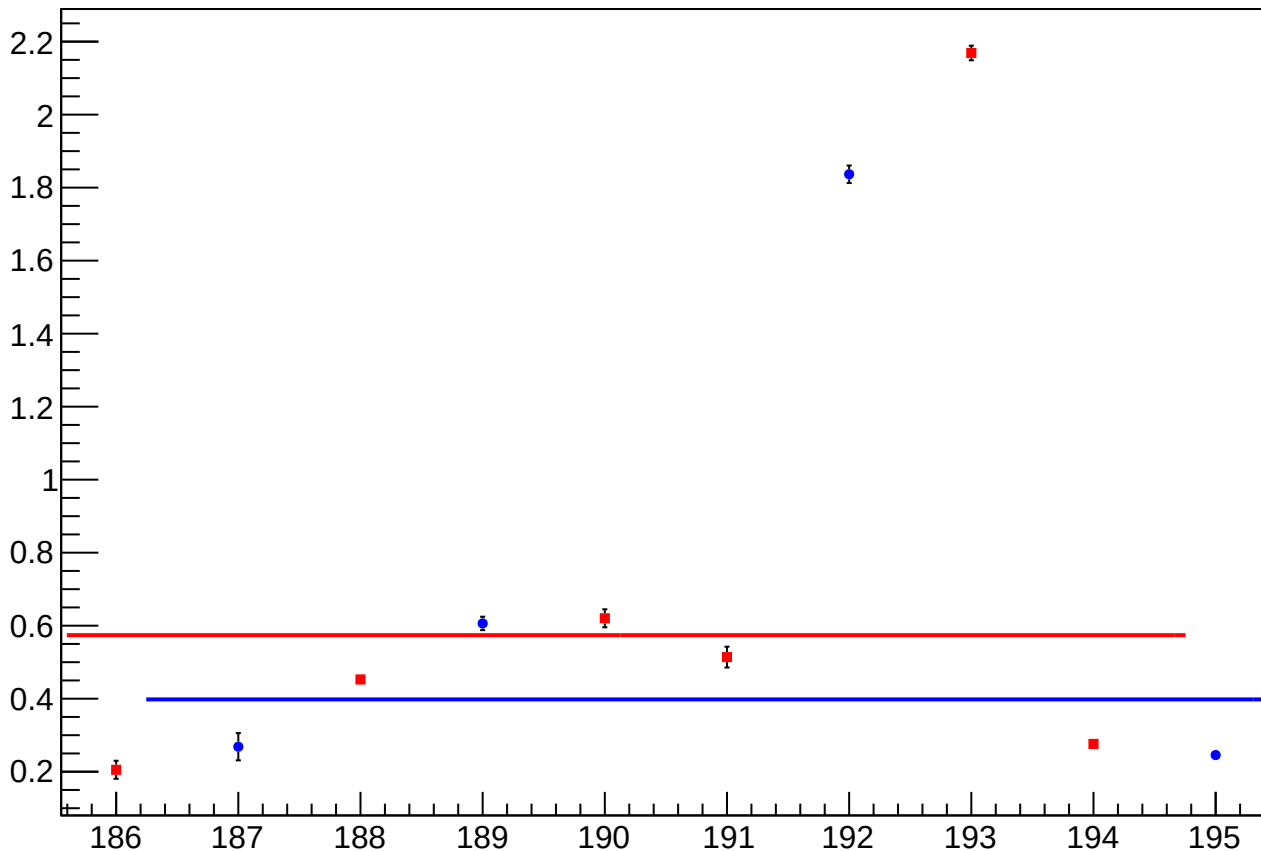
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.489 $\pm$ 0.123  $\chi^2$ /NDF: 2842.5/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug



Right In: 0.398 $\pm$ 0.006  $\chi^2$ /NDF: 4208.1/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 0.574 $\pm$ 0.007  $\chi^2$ /NDF: 7440.8/5

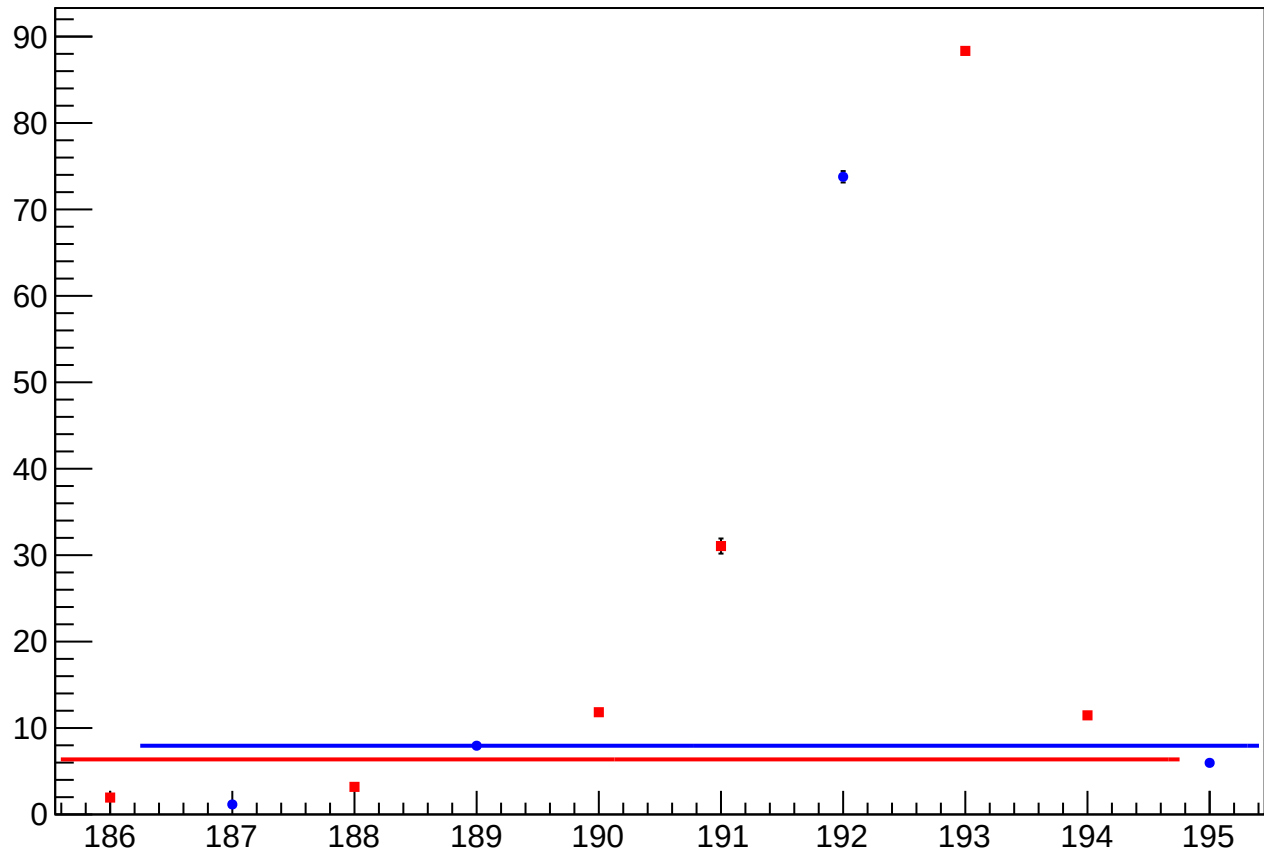
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.481 $\pm$ 0.005  $\chi^2$ /NDF: 12016.1/9

- 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 $\pm$ 0.125  $\chi^2$ /NDF: 10621.0/3

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 6.369 $\pm$ 0.087  $\chi^2$ /NDF: 23946.8/5

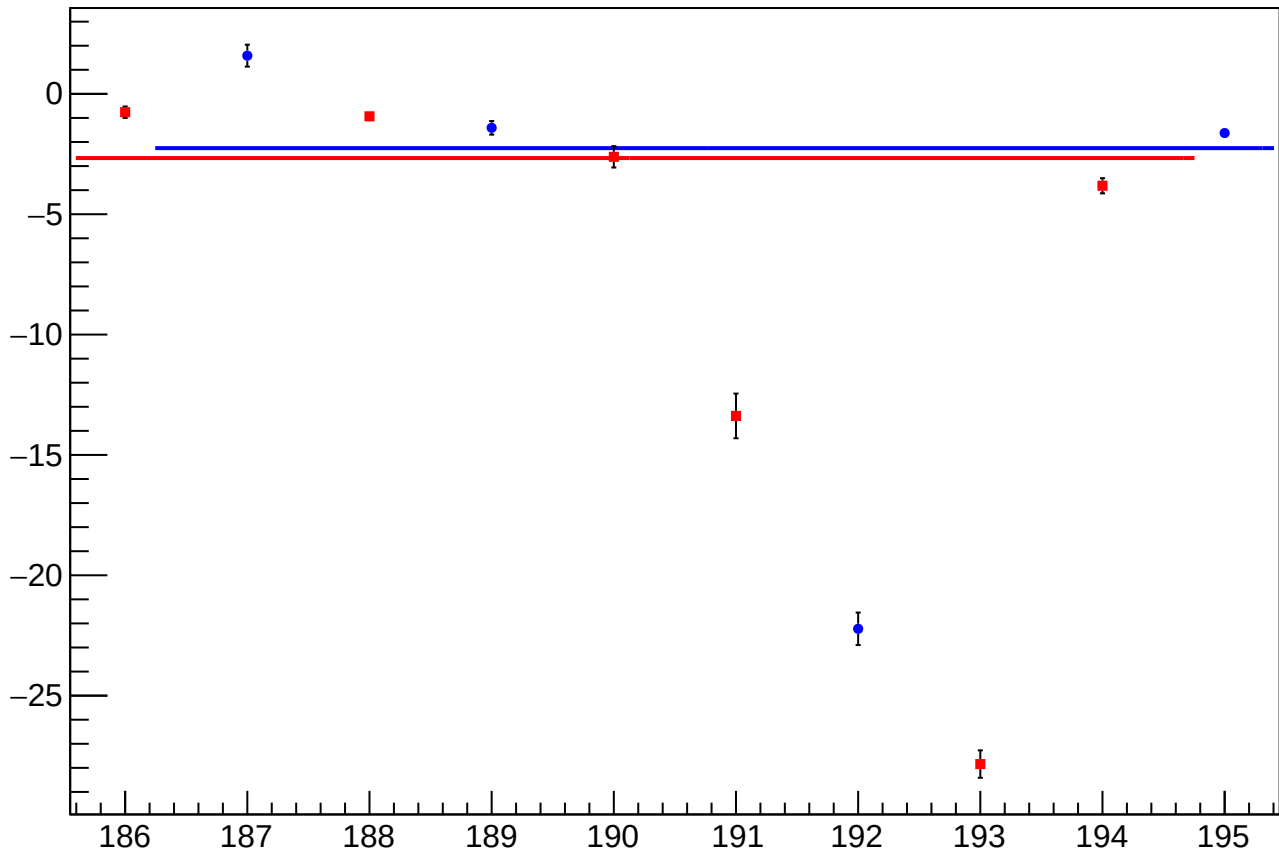
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 6.881 $\pm$ 0.071  $\chi^2$ /NDF: 34675.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug



Right In:  $-2.254 \pm 0.152$   $\chi^2/\text{NDF}$ : 965.8/3

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.667 \pm 0.115$   $\chi^2/\text{NDF}$ : 2277.4/5

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

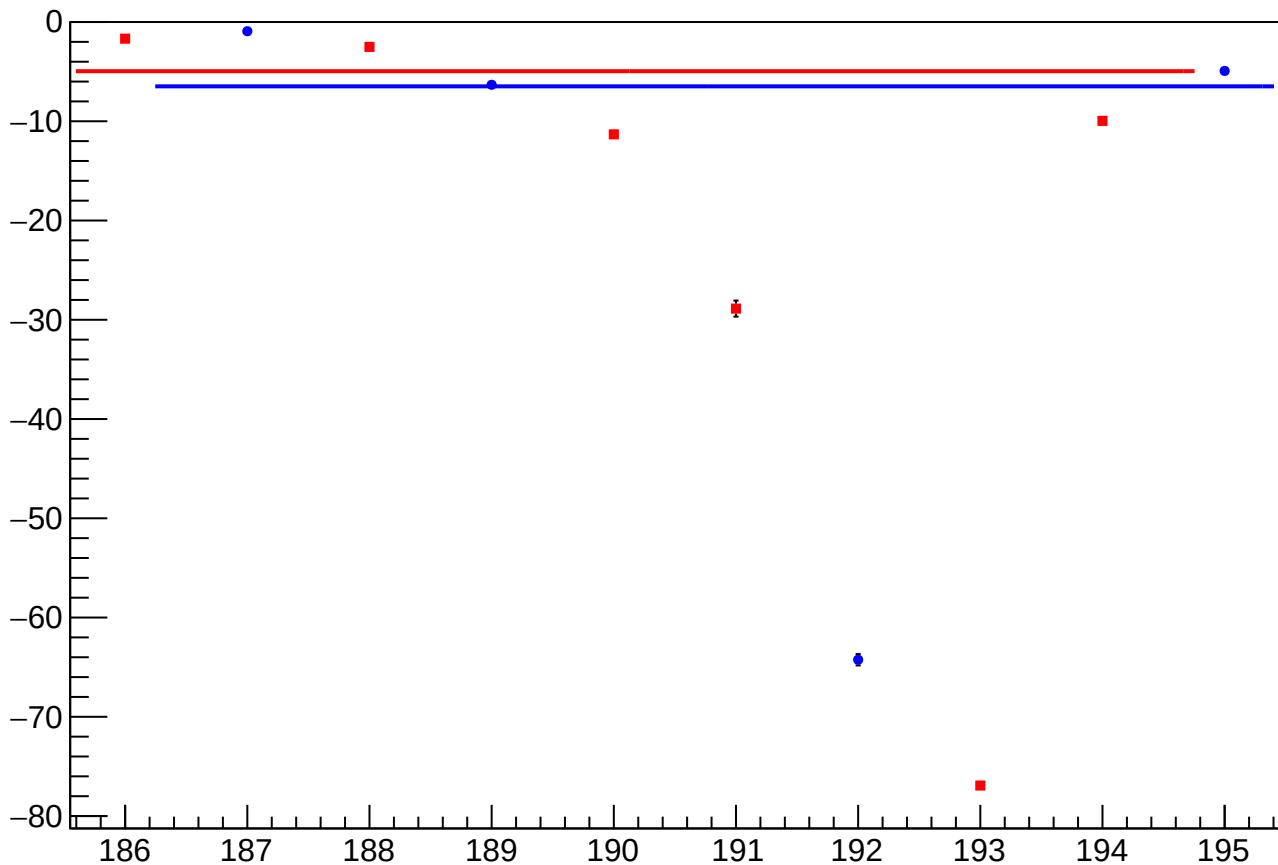
+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.517 \pm 0.092$   $\chi^2/\text{NDF}$ : 3247.8/9

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0



reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug



Right In:  $-6.481 \pm 0.107$   $\chi^2/\text{NDF}: 10747.9/3$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-4.952 \pm 0.071$   $\chi^2/\text{NDF}: 24416.0/5$

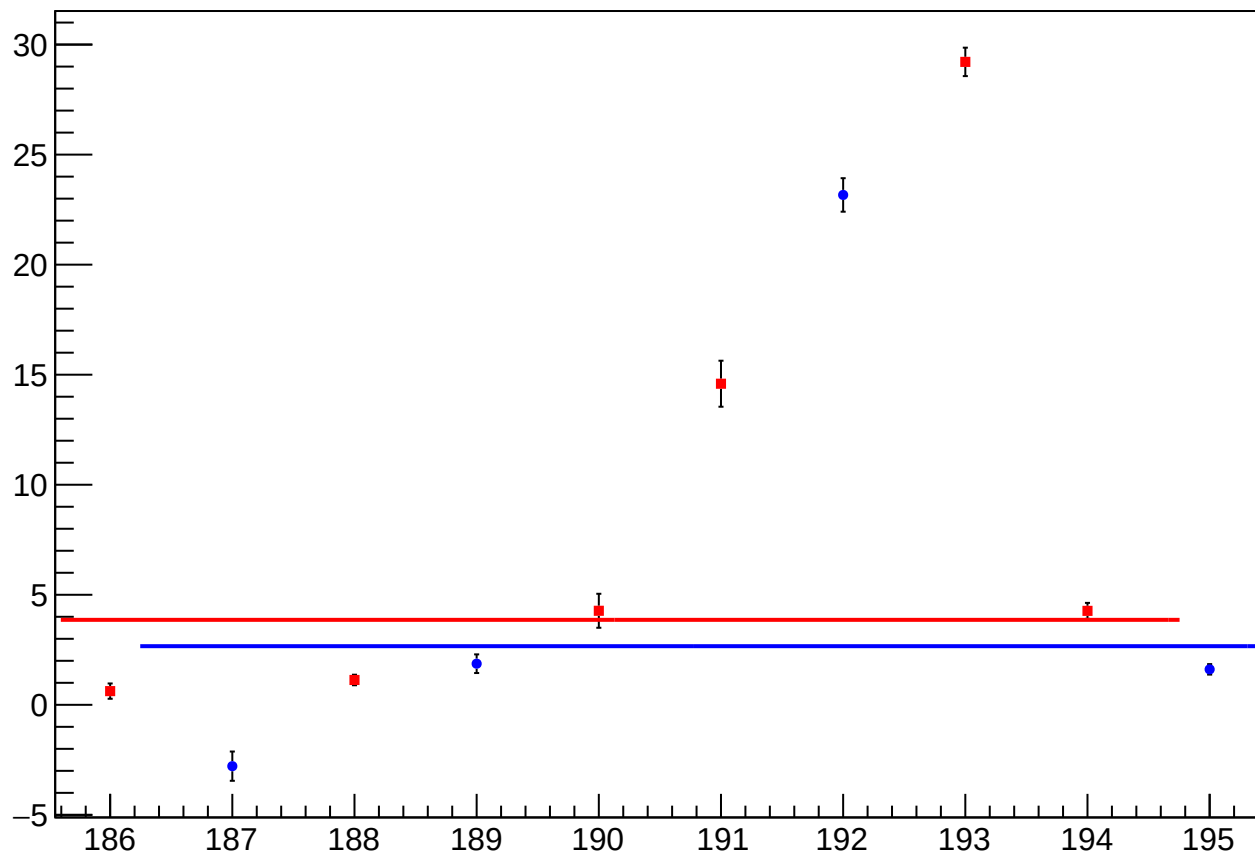
Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

+ sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.420 \pm 0.059$   $\chi^2/\text{NDF}: 35305.9/9$

- sign  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug



Right In: 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: 3.861 $\pm$ 0.162  $\chi^2$ /NDF: 1864.1/5

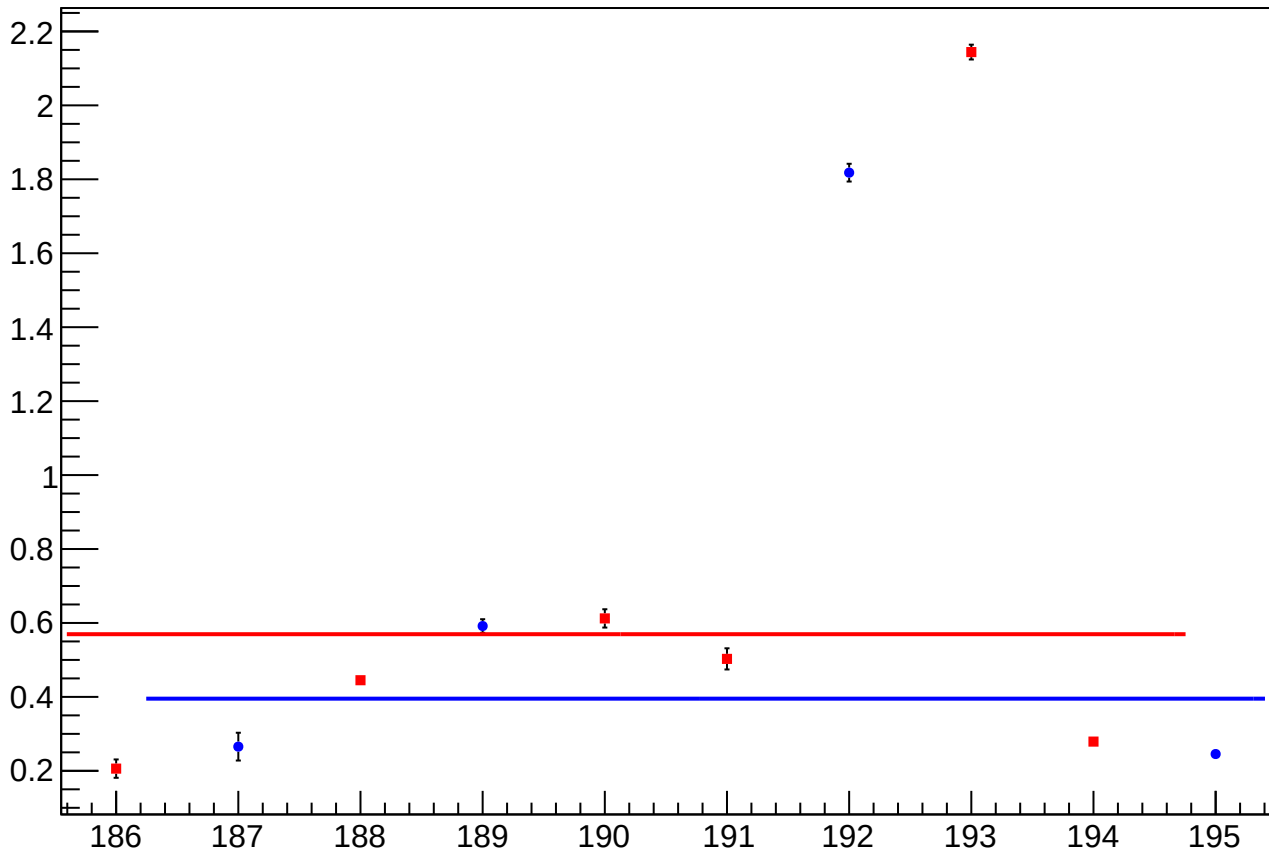
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.364 $\pm$ 0.124  $\chi^2$ /NDF: 2702.2/9

- 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: 0.570 $\pm$ 0.007  $\chi^2$ /NDF: 7221.9/5

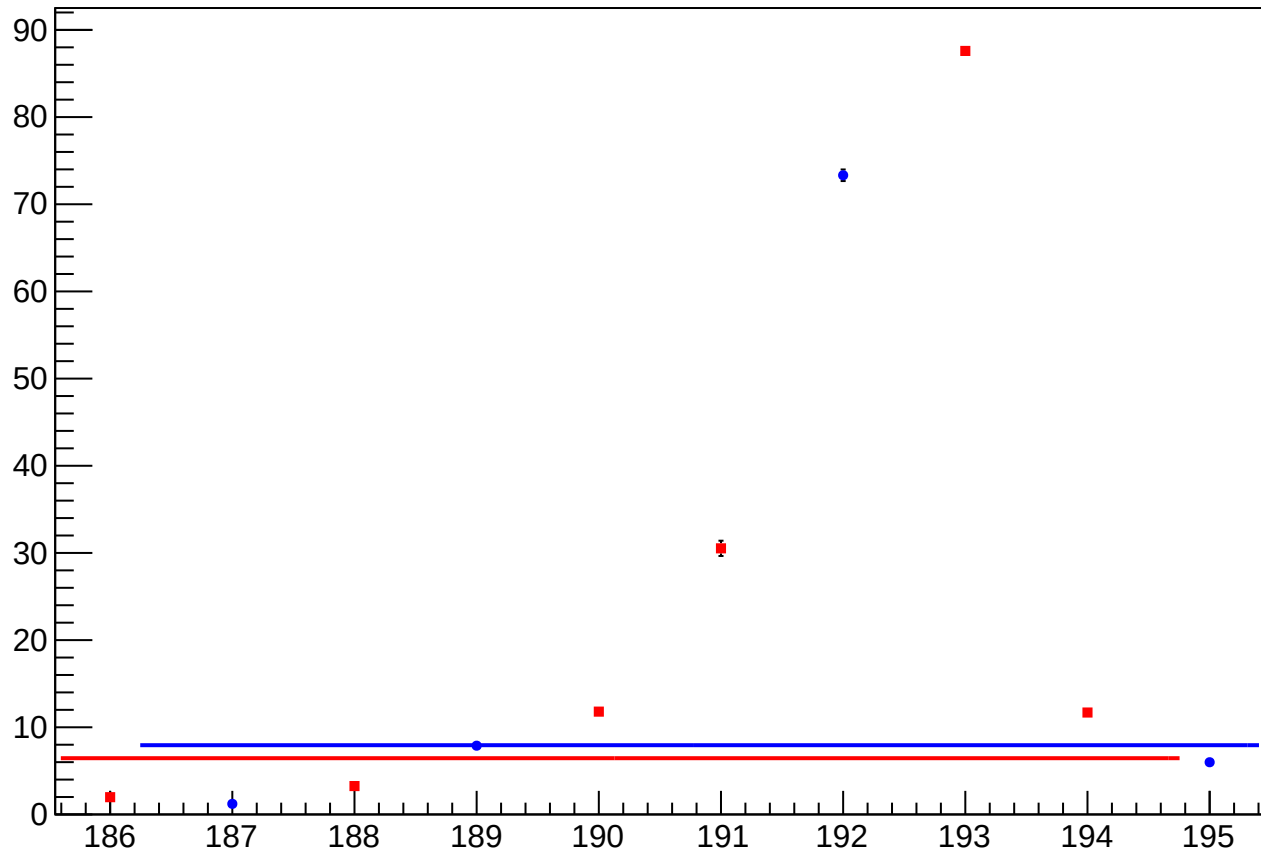
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 0.477 $\pm$ 0.005  $\chi^2$ /NDF: 11657.6/9

- 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+/-0.126  $\chi^2/\text{NDF}$ : 10370.2/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.454+/-0.088  $\chi^2/\text{NDF}$ : 23383.1/5

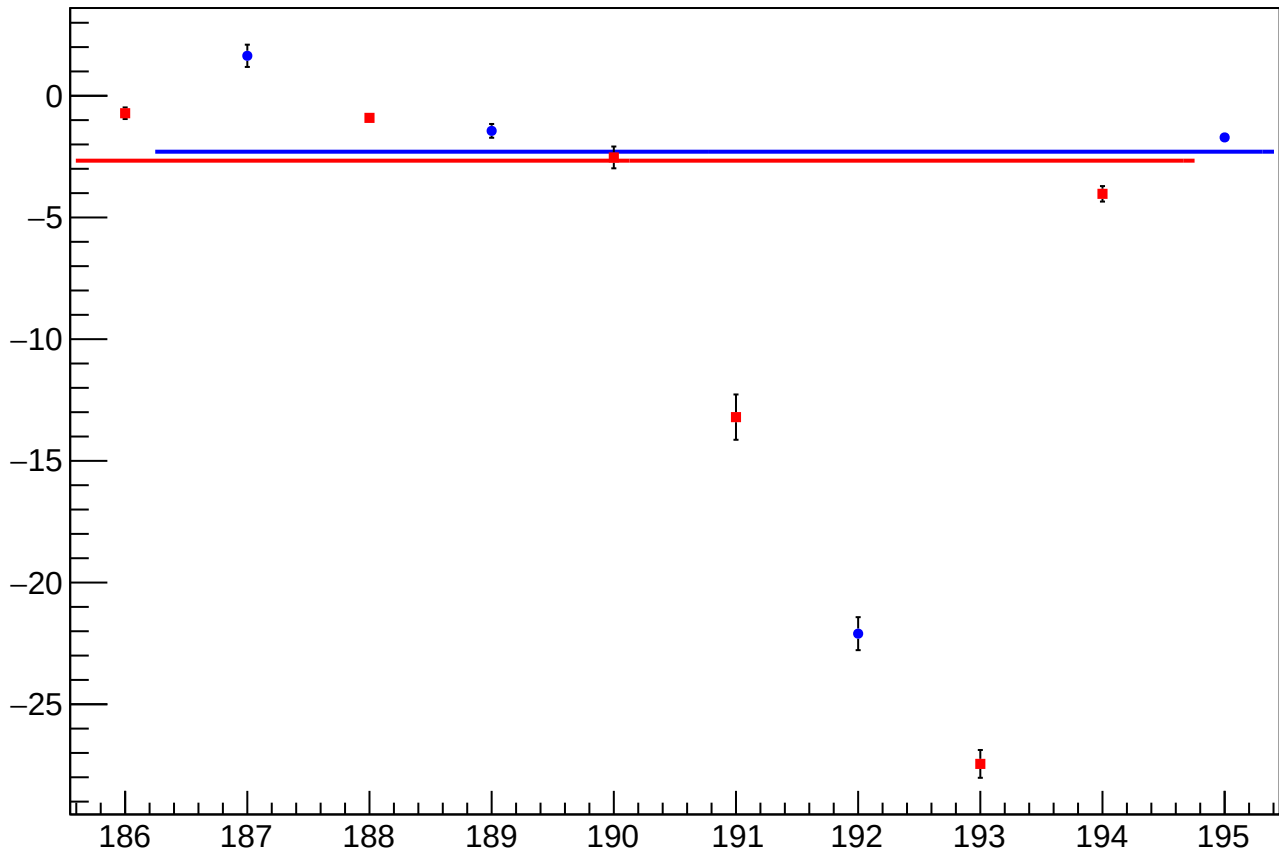
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.939+/-0.072  $\chi^2/\text{NDF}$ : 33847.7/9

- sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug



Right In: -2.297+/-0.153  $\chi^2/\text{NDF}$ : 944.7/3

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.666+/-0.116  $\chi^2/\text{NDF}$ : 2212.4/5

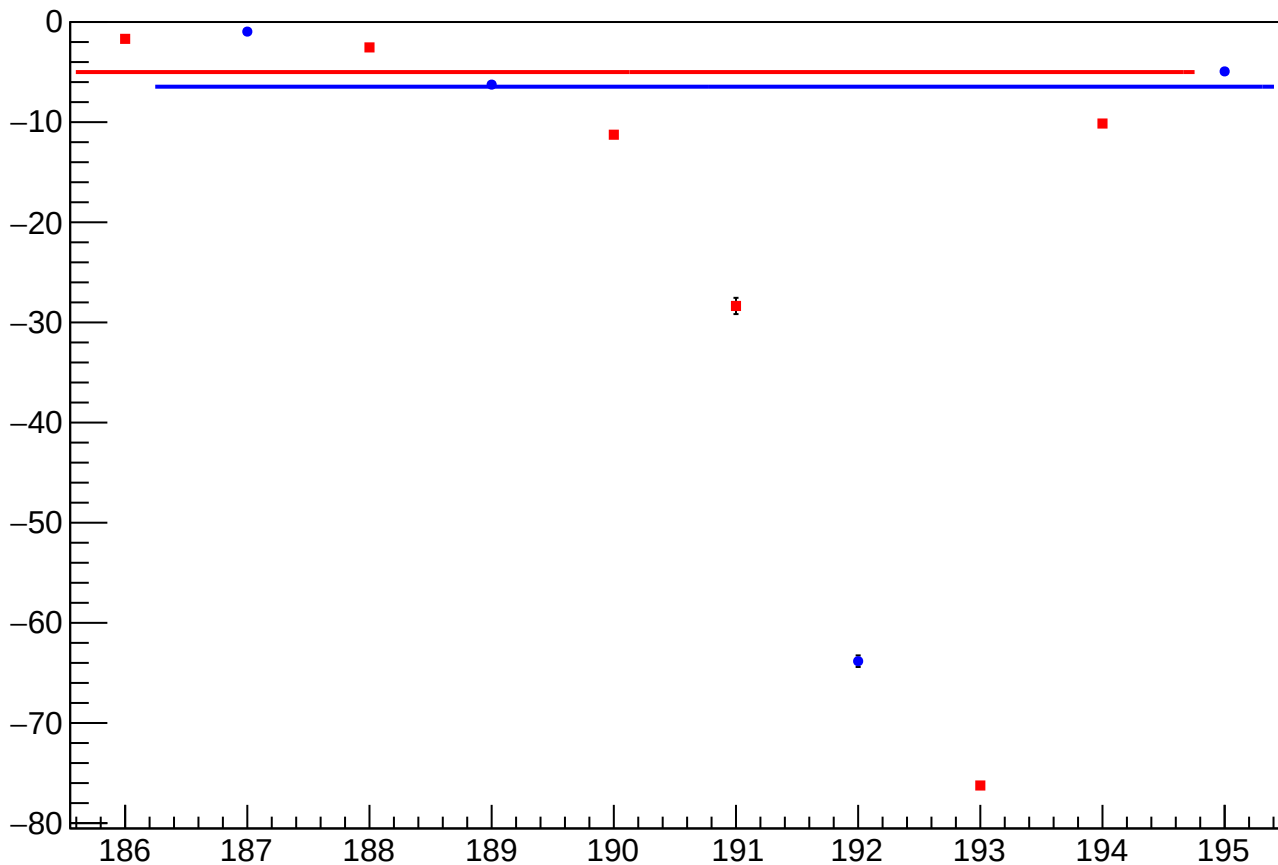
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.532+/-0.092  $\chi^2/\text{NDF}$ : 3160.8/9

- sign 0.000+/-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: -4.998+/-0.072  $\chi^2/\text{NDF}$ : 23844.0/5

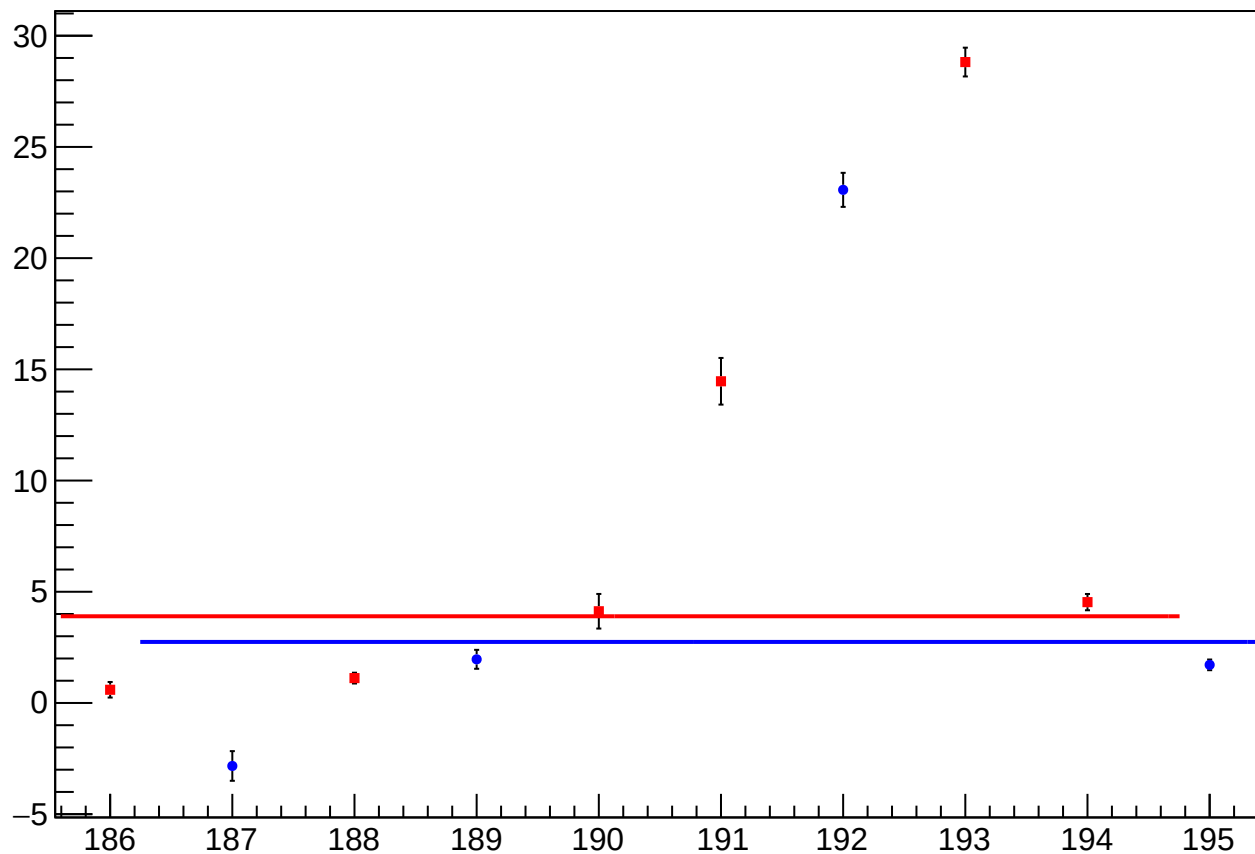
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

+ sign 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.448+/-0.060  $\chi^2/\text{NDF}$ : 34462.4/9

- 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: 3.898 $\pm$ 0.163  $\chi^2$ /NDF: 1807.5/5

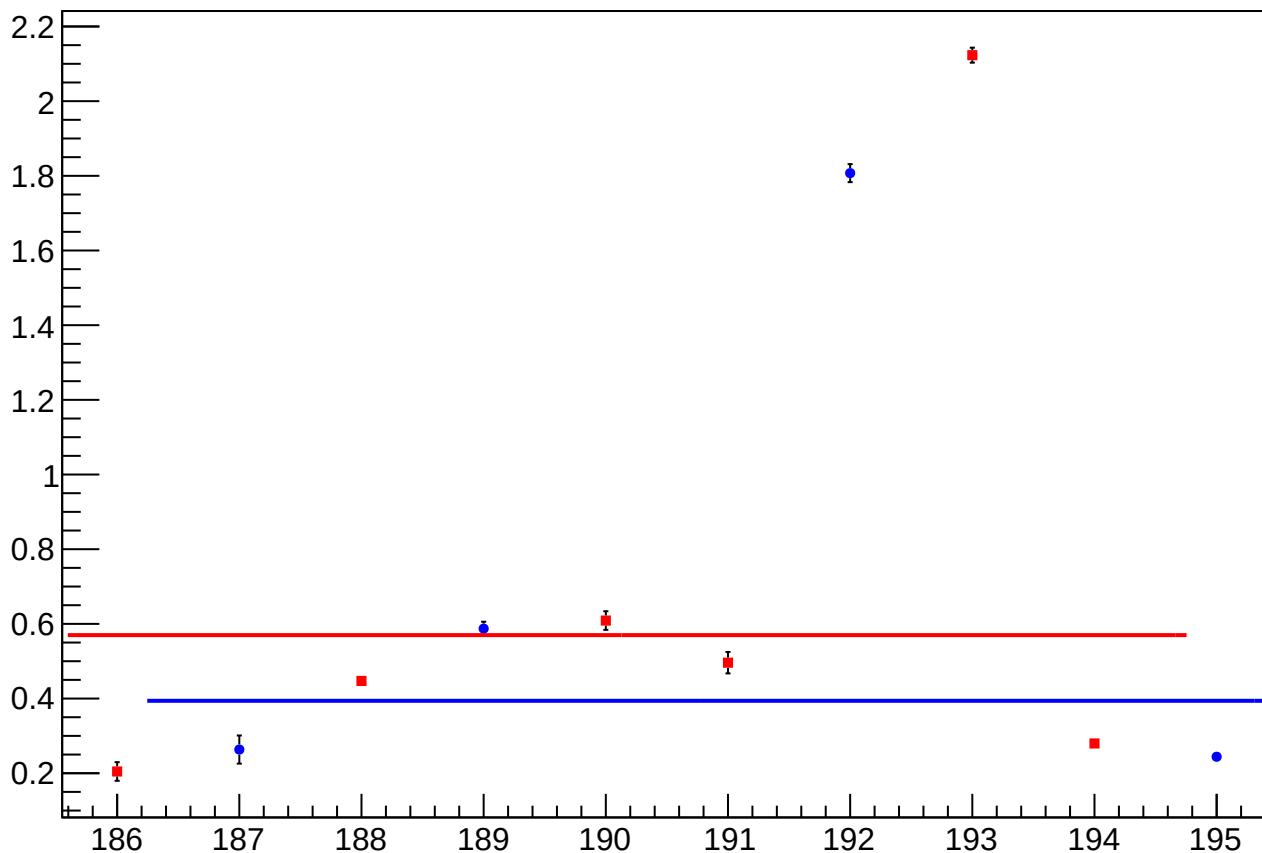
Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 3.418 $\pm$ 0.125  $\chi^2$ /NDF: 2625.5/9

- 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: 0.570 $\pm$ 0.007  $\chi^2$ /NDF: 7014.3/5

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: 0.477 $\pm$ 0.005  $\chi^2$ /NDF: 11355.7/9

- sign 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0