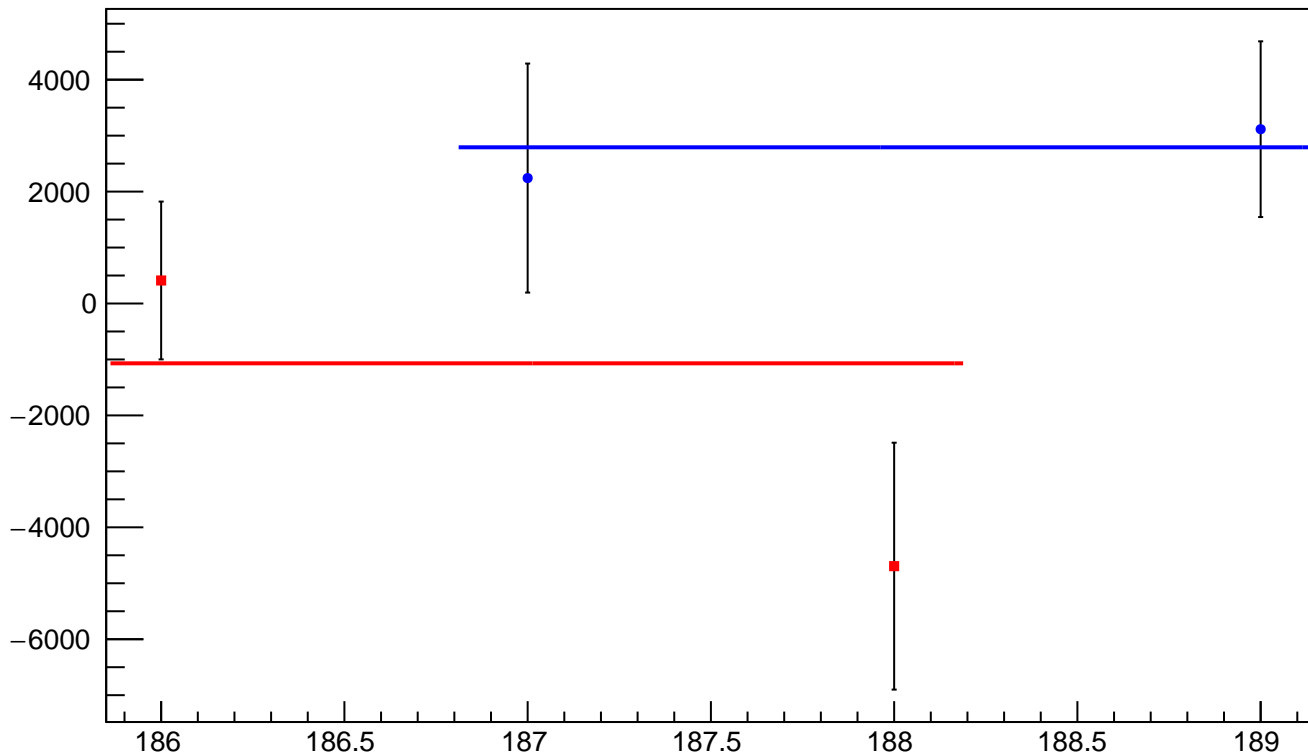


# dit\_asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 2791.613+/-1245.821  $\chi^2/\text{NDF}$ : 0.1/1

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

Right Out: -1069.206+/-1188.125  $\chi^2/\text{NDF}$ : 3.8/1

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

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

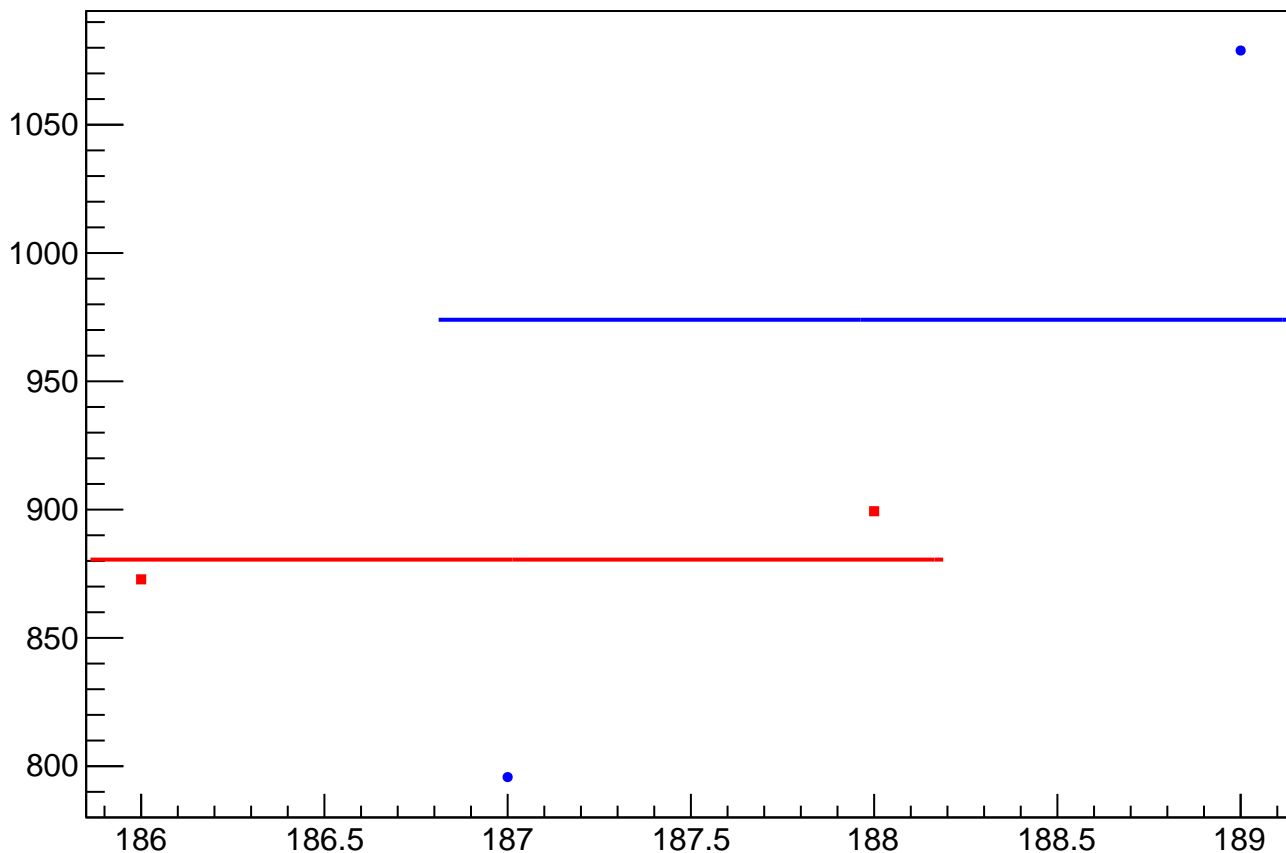
Right: 769.735+/-859.805  $\chi^2/\text{NDF}$ : 8.9/3

In: 2791.613+/-1245.821  $\chi^2/\text{NDF}$ : 0.1/1

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

All: 769.735+/-859.805  $\chi^2/\text{NDF}$ : 8.9/3

# dit\_asym\_us\_avg\_rms vs Slug, Sign Corrected



Right In: 973.994+/-0.881  $\chi^2$ /NDF: 24099.6/1

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

Right Out: 880.519+/-0.840  $\chi^2$ /NDF: 205.6/1

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

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

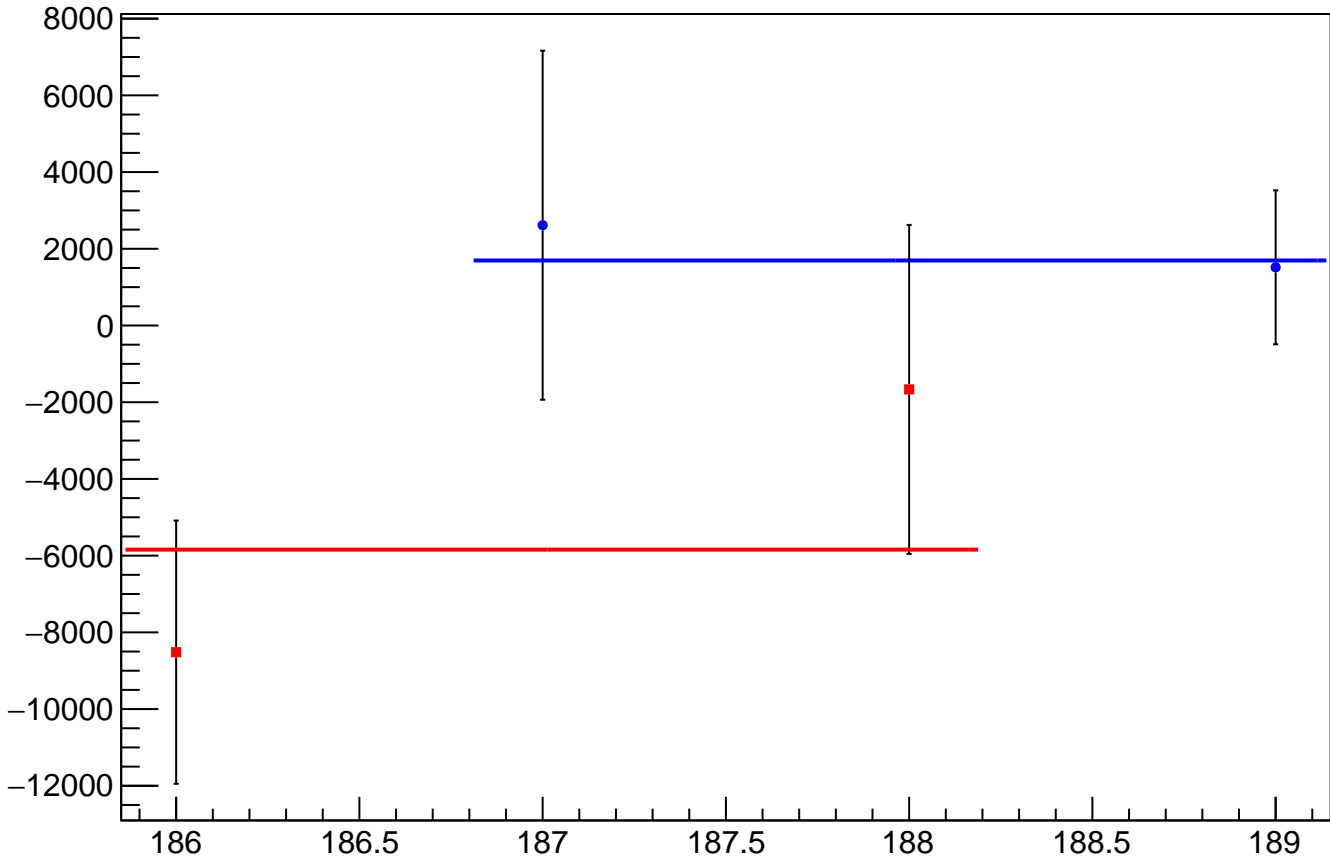
Right: 925.042+/-0.608  $\chi^2$ /NDF: 30201.6/3

In: 973.994+/-0.881  $\chi^2$ /NDF:24099.6/1

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

All: 925.042+/-0.608  $\chi^2$ /NDF: 30201.6/3

# asym\_us\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 1695.249+/-1835.897  $\chi^2$ /NDF: 0.0/1

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

Right Out: -5842.794+/-2679.057  $\chi^2$ /NDF: 1.6/1

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

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

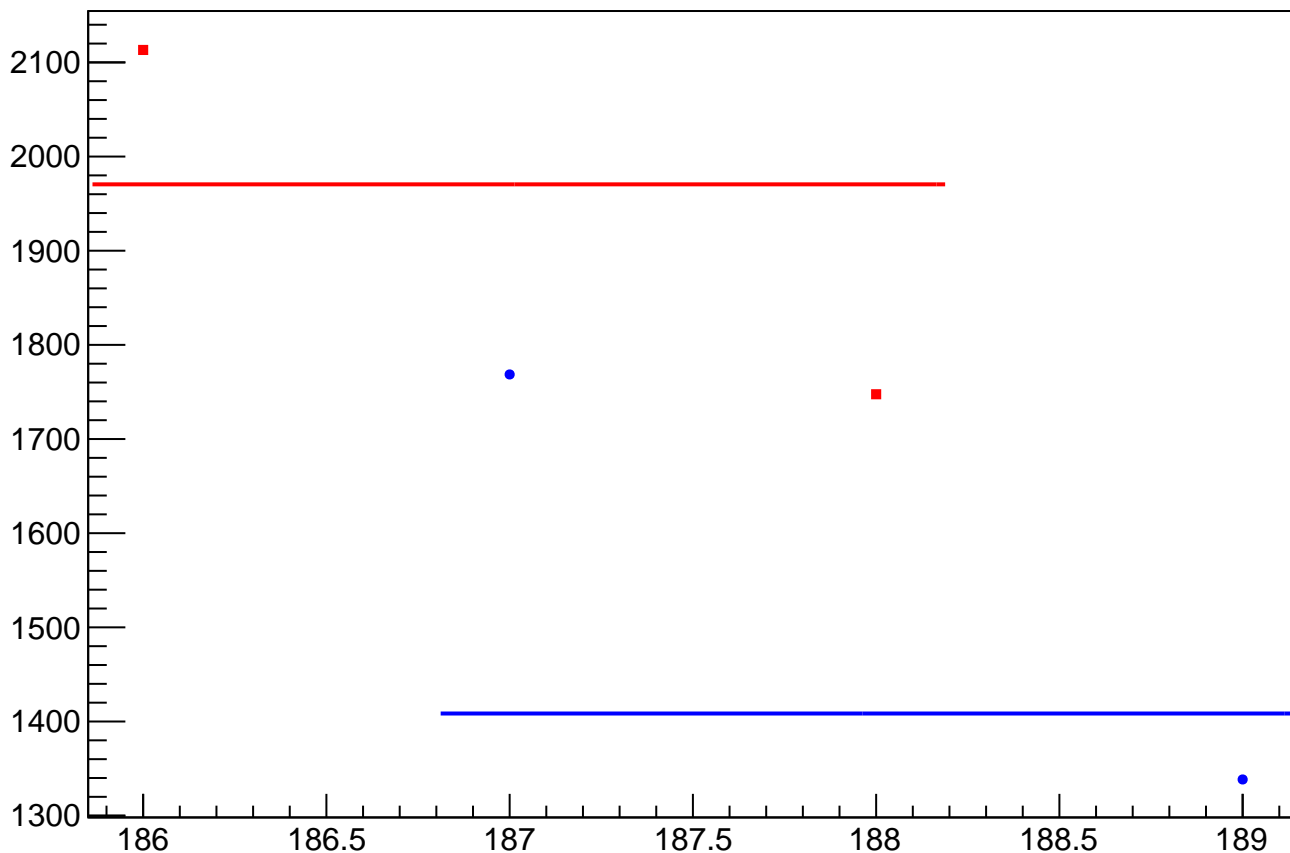
Right: -713.494+/-1514.426  $\chi^2$ /NDF: 7.0/3

In: 1695.249+/-1835.897  $\chi^2$ /NDF:0.0/1

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

All: -713.494+/-1514.426  $\chi^2$ /NDF: 7.0/3

# asym\_us\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1408.491+/-1.298  $\chi^2$ /NDF: 14966.9/1

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

Right Out: 1970.485+/-1.894  $\chi^2$ /NDF: 8866.2/1

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

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

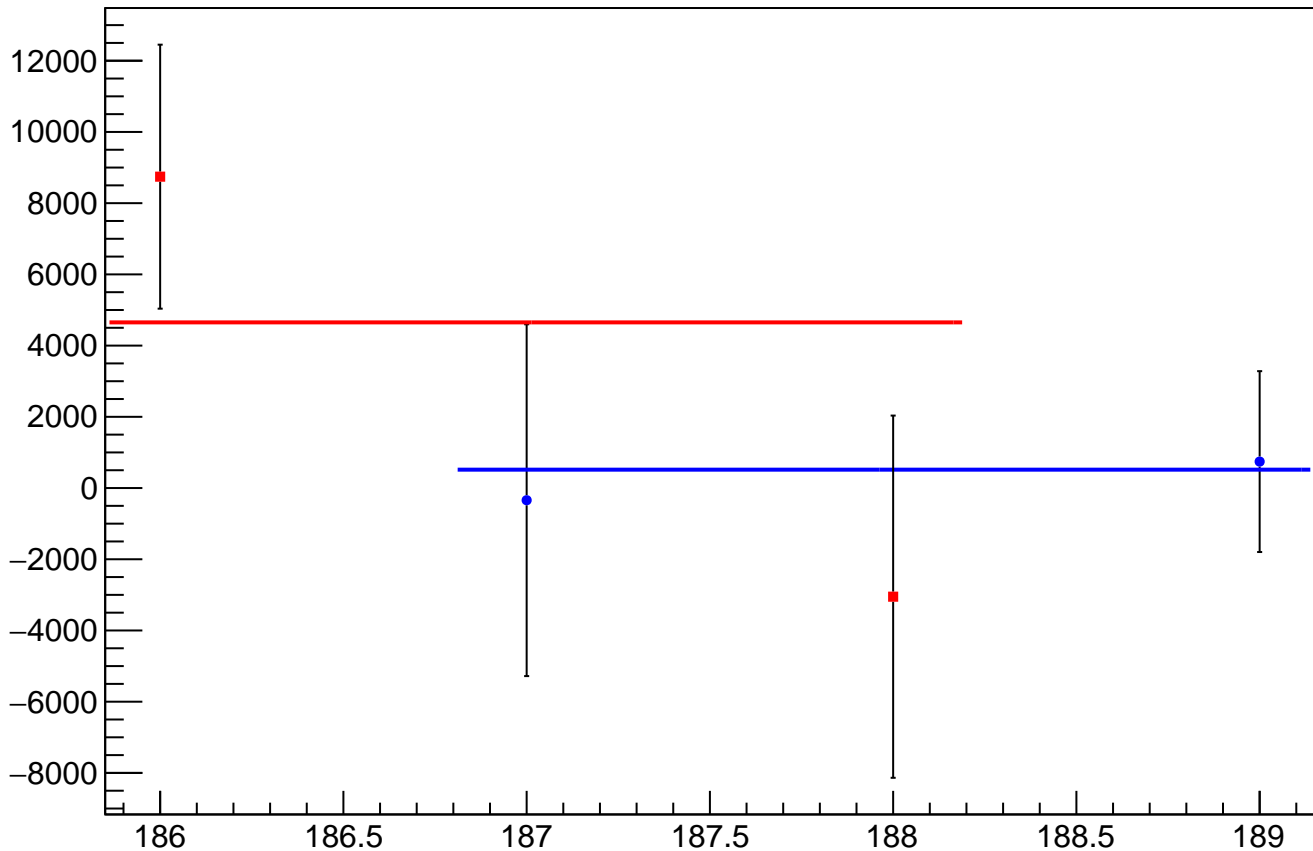
Right: 1588.073+/-1.071  $\chi^2$ /NDF: 83719.8/3

In: 1408.491+/-1.298  $\chi^2$ /NDF:14966.9/1

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

All: 1588.073+/-1.071  $\chi^2$ /NDF: 83719.8/3

# asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 516.094+/-2258.577  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: 4652.130+/-2995.680  $\chi^2/\text{NDF}$ : 3.5/1

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

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

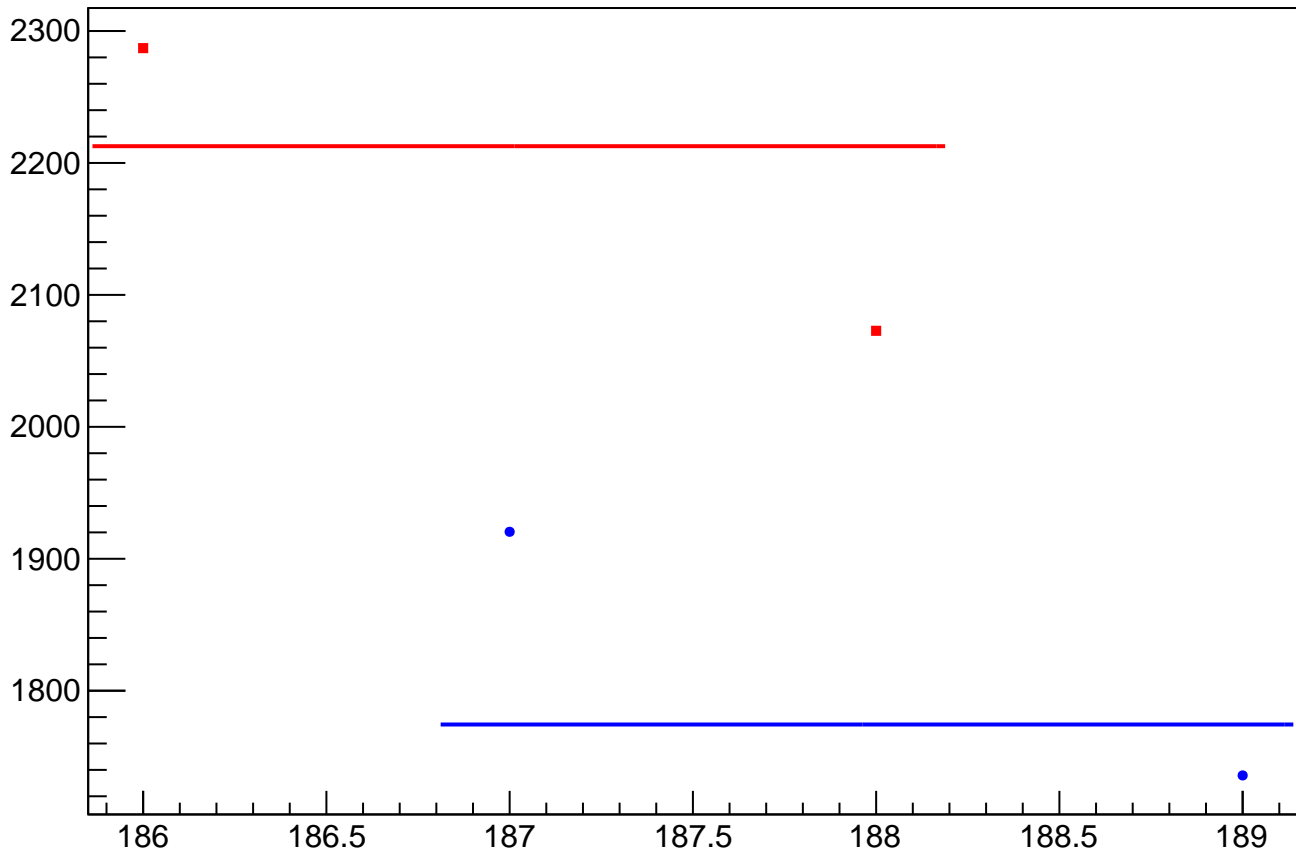
Right: 2015.079+/-1803.441  $\chi^2/\text{NDF}$ : 4.8/3

In: 516.094+/-2258.577  $\chi^2/\text{NDF}$ : 0.0/1

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

All: 2015.079+/-1803.441  $\chi^2/\text{NDF}$ : 4.8/3

# asym\_us\_avg\_rms vs Slug, Sign Corrected



Right In: 1774.403+/-1.597  $\chi^2$ /NDF: 2210.5/1

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

Right Out: 2212.705+/-2.118  $\chi^2$ /NDF: 2317.5/1

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

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

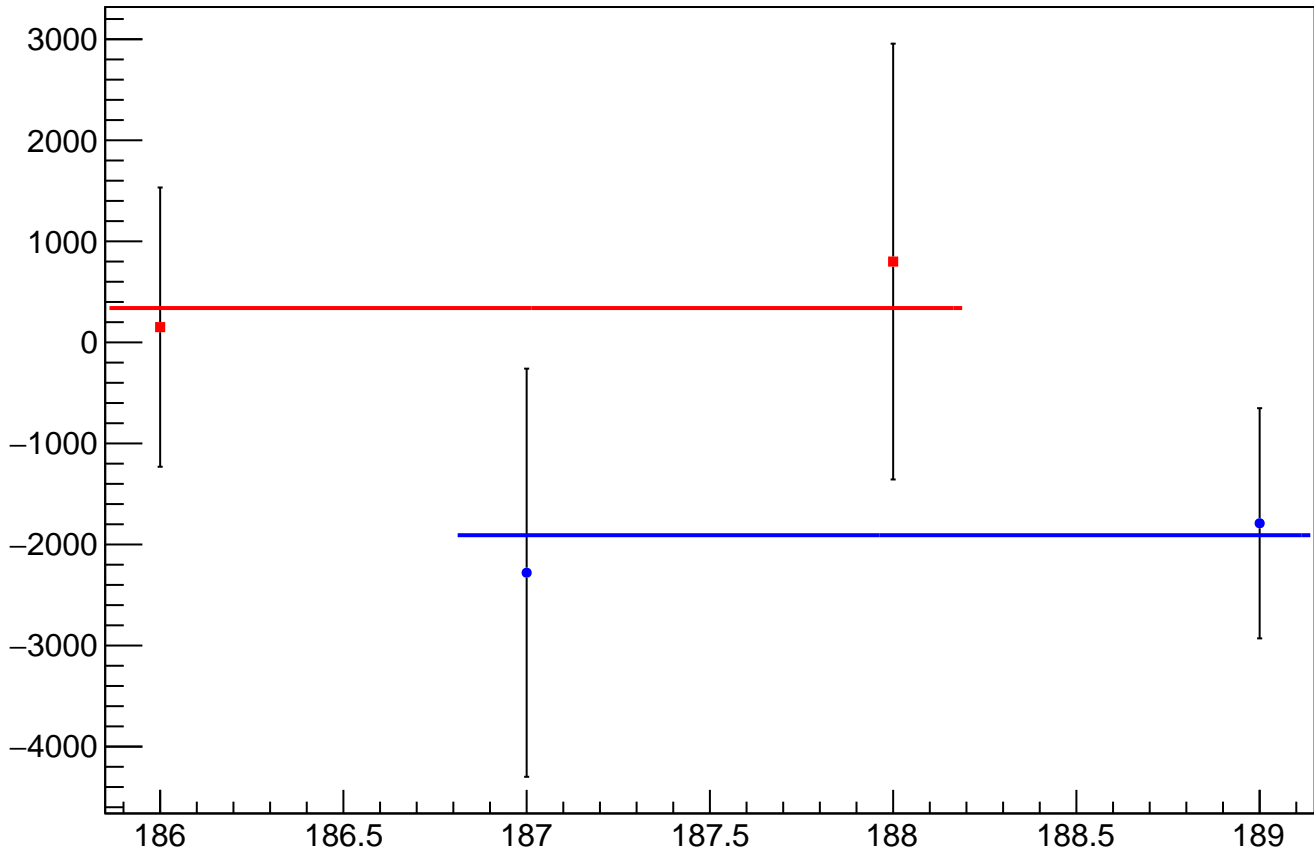
Right: 1933.253+/-1.275  $\chi^2$ /NDF: 31825.2/3

In: 1774.403+/-1.597  $\chi^2$ /NDF:2210.5/1

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

All: 1933.253+/-1.275  $\chi^2$ /NDF: 31825.2/3

# dit\_asym\_us\_dd\_mean vs Slug, Sign Corrected



Right In:  $-1908.149 \pm 992.061$   $\chi^2/\text{NDF}: 0.0/1$

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

Right Out:  $339.839 \pm 1163.371$   $\chi^2/\text{NDF}: 0.1/1$

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

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

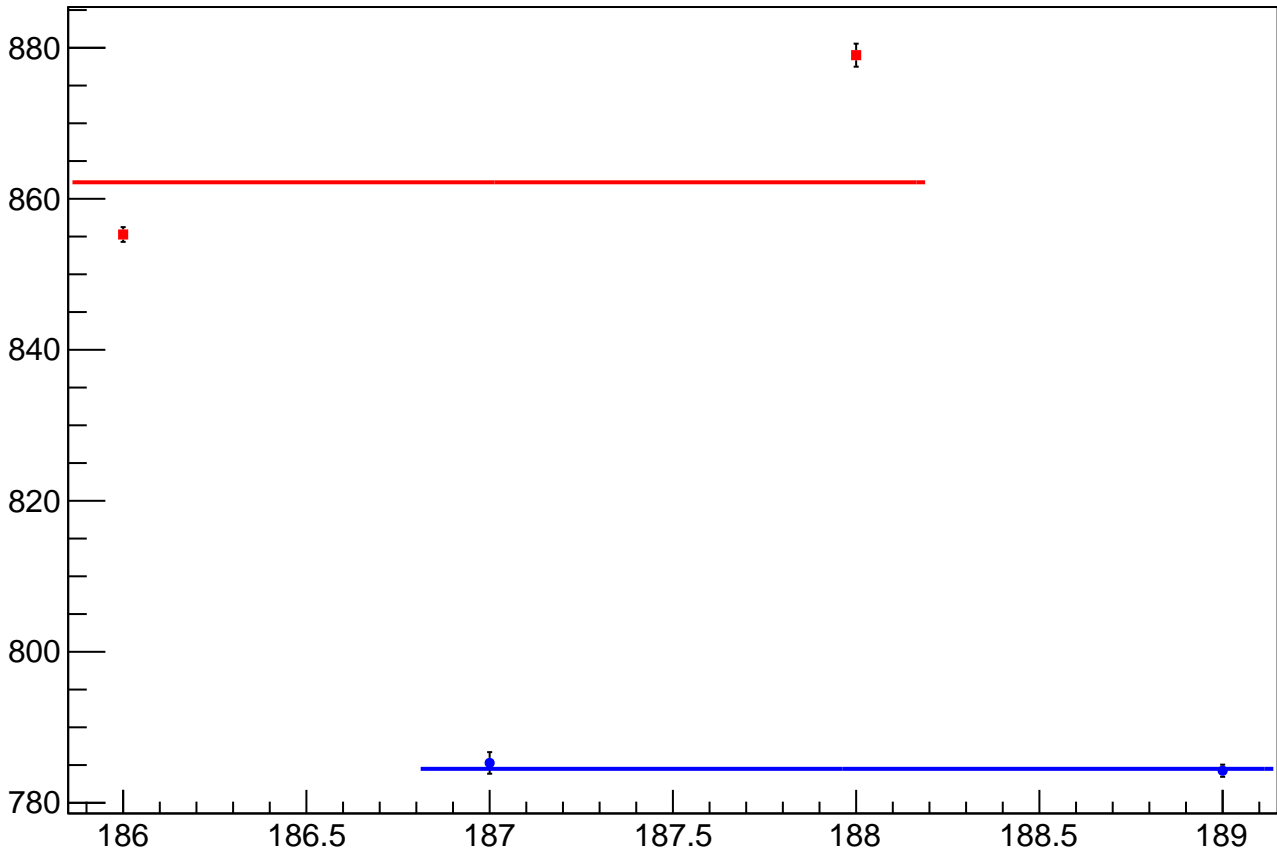
Right:  $-961.700 \pm 754.866$   $\chi^2/\text{NDF}: 2.3/3$

In:  $-1908.149 \pm 992.061$   $\chi^2/\text{NDF}: 0.0/1$

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

All:  $-961.700 \pm 754.866$   $\chi^2/\text{NDF}: 2.3/3$

# dit\_asym\_us\_dd\_rms vs Slug, Sign Corrected



Right In: 784.500 $\pm$ 0.701  $\chi^2$ /NDF: 0.4/1

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

Right Out: 862.186 $\pm$ 0.823  $\chi^2$ /NDF: 172.0/1

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

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

Right: 817.208 $\pm$ 0.534  $\chi^2$ /NDF: 5335.9/3

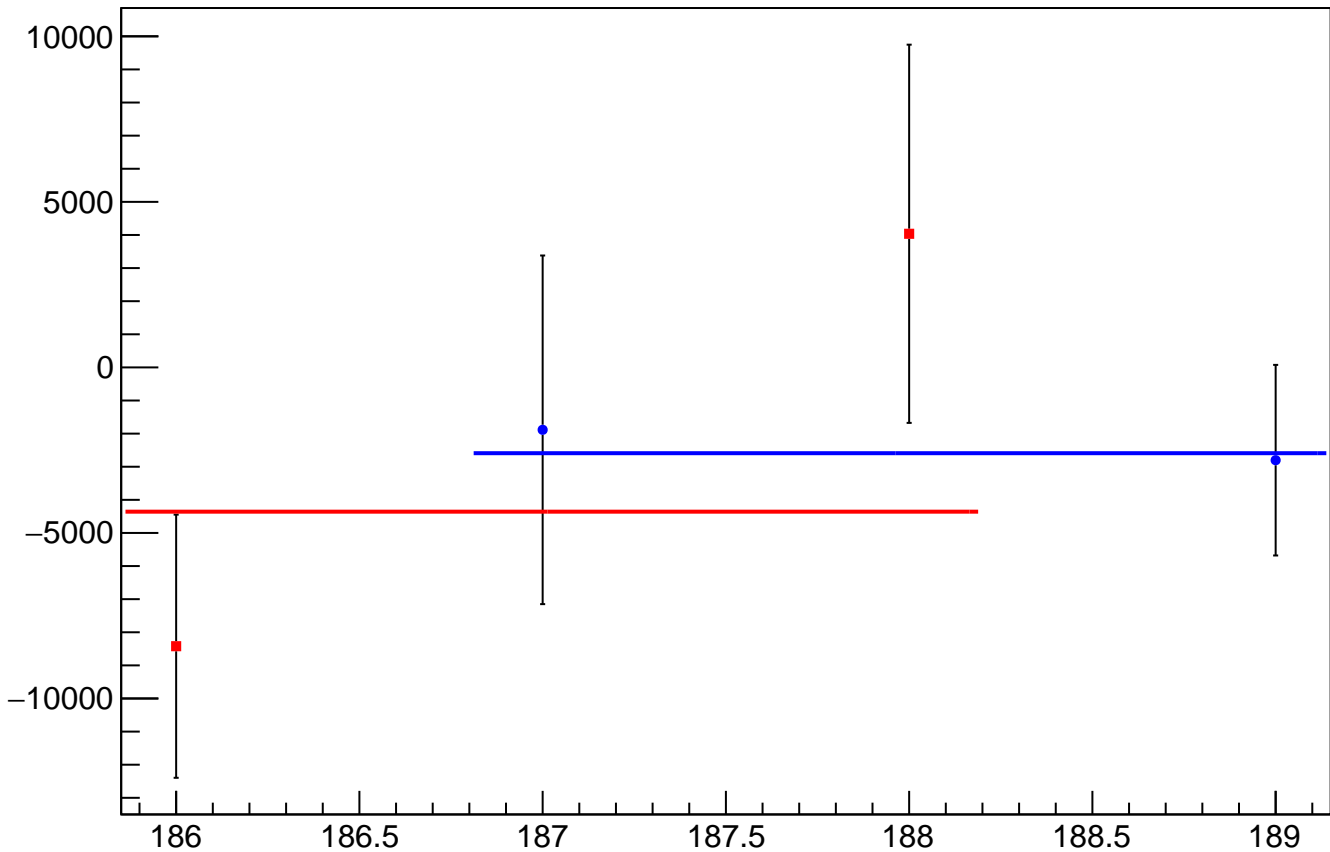
In: 784.500 $\pm$ 0.701  $\chi^2$ /NDF:0.4/1

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

All: 817.208 $\pm$ 0.534  $\chi^2$ /NDF: 5335.9/3



# asym\_us\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -2591.205+/-2525.593  $\chi^2$ /NDF: 0.0/1

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

Right Out: -4357.257+/-3262.388  $\chi^2$ /NDF: 3.2/1

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

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

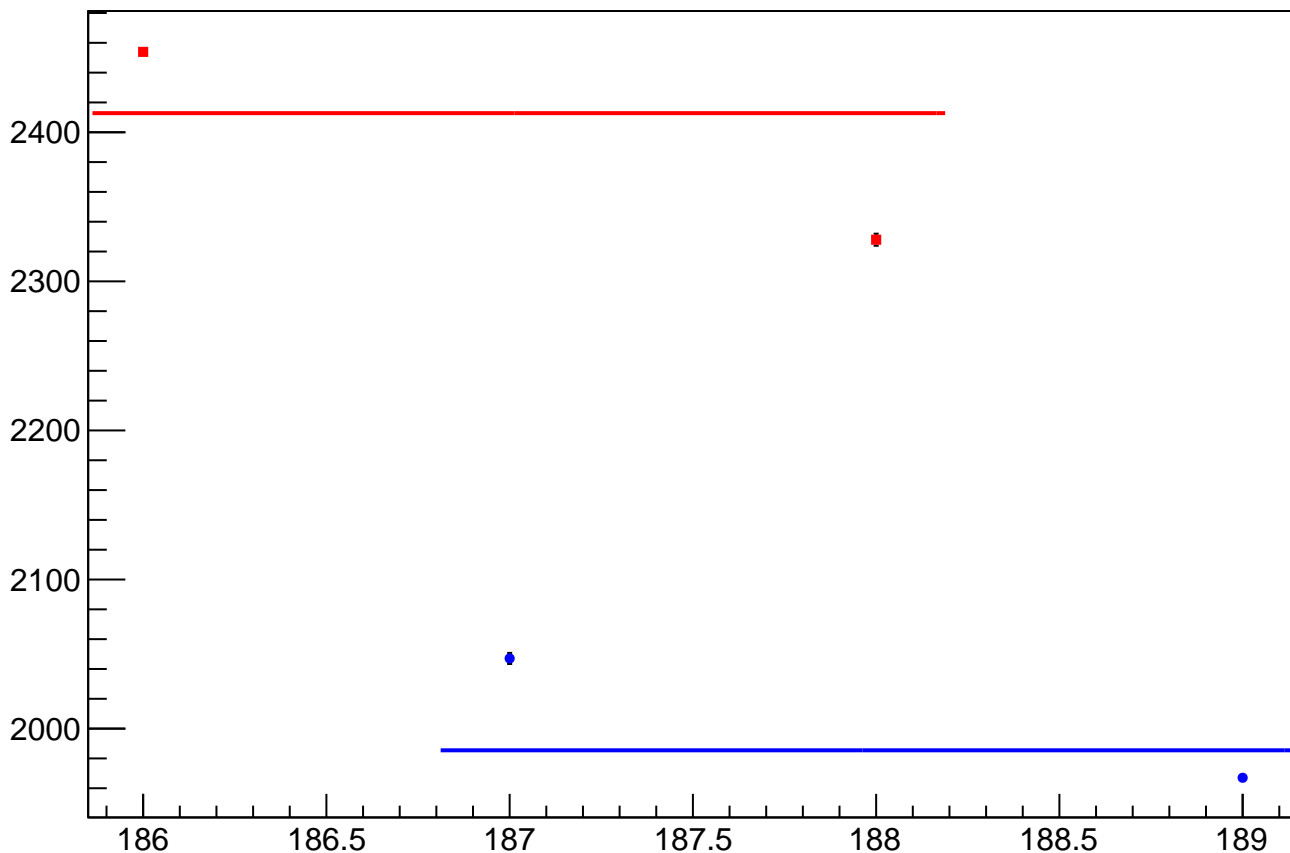
Right: -3253.002+/-1997.084  $\chi^2$ /NDF: 3.4/3

In: -2591.205+/-2525.593  $\chi^2$ /NDF:0.0/1

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

All: -3253.002+/-1997.084  $\chi^2$ /NDF: 3.4/3

# asym\_us\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1985.449+/-1.786  $\chi^2$ /NDF: 355.9/1

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

Right Out: 2412.829+/-2.307  $\chi^2$ /NDF: 655.7/1

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

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

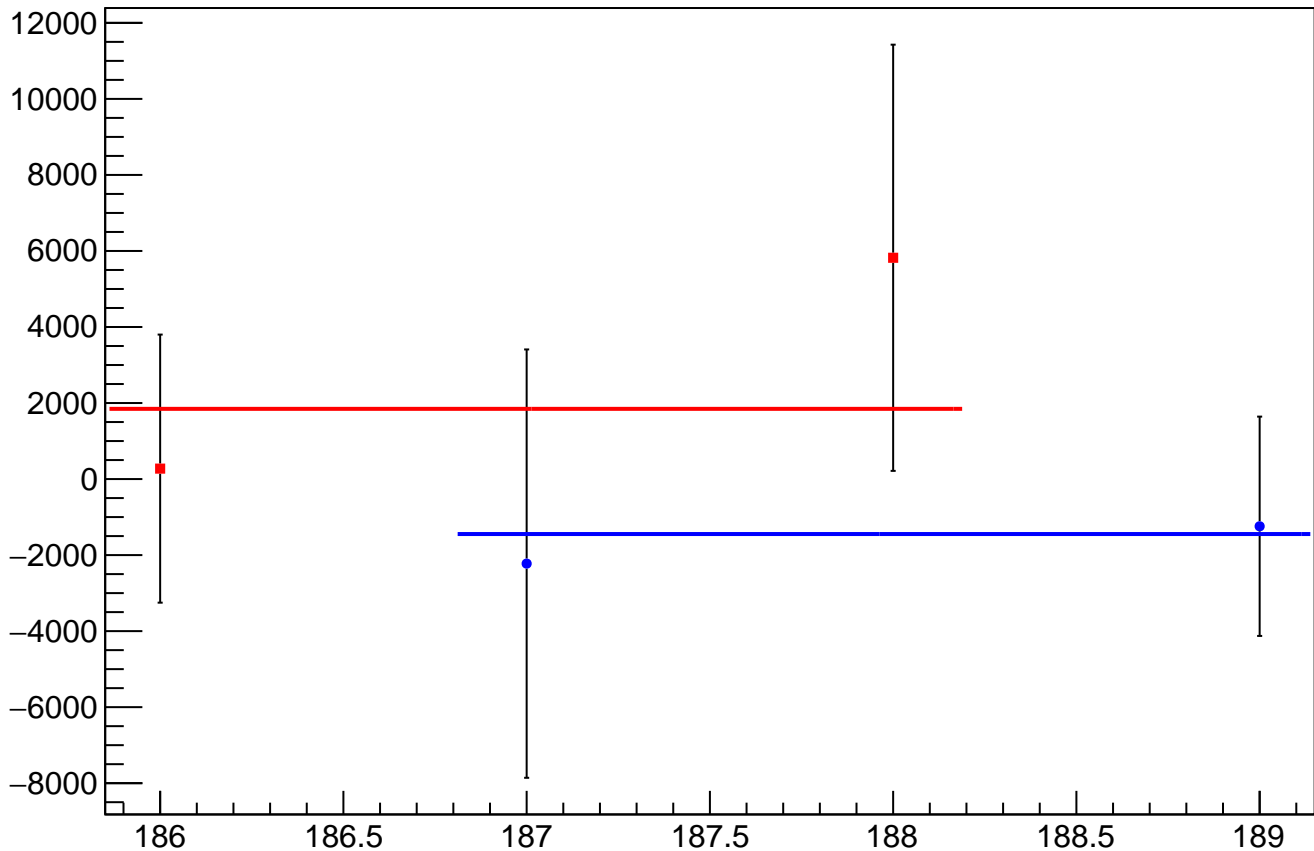
Right: 2145.603+/-1.412  $\chi^2$ /NDF: 22472.7/3

In: 1985.449+/-1.786  $\chi^2$ /NDF:355.9/1

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

All: 2145.603+/-1.412  $\chi^2$ /NDF: 22472.7/3

# asym\_us\_dd\_mean vs Slug, Sign Corrected



Right In:  $-1446.123 \pm 2567.656$   $\chi^2/\text{NDF}: 0.0/1$

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

Right Out:  $1846.889 \pm 2984.641$   $\chi^2/\text{NDF}: 0.7/1$

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

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

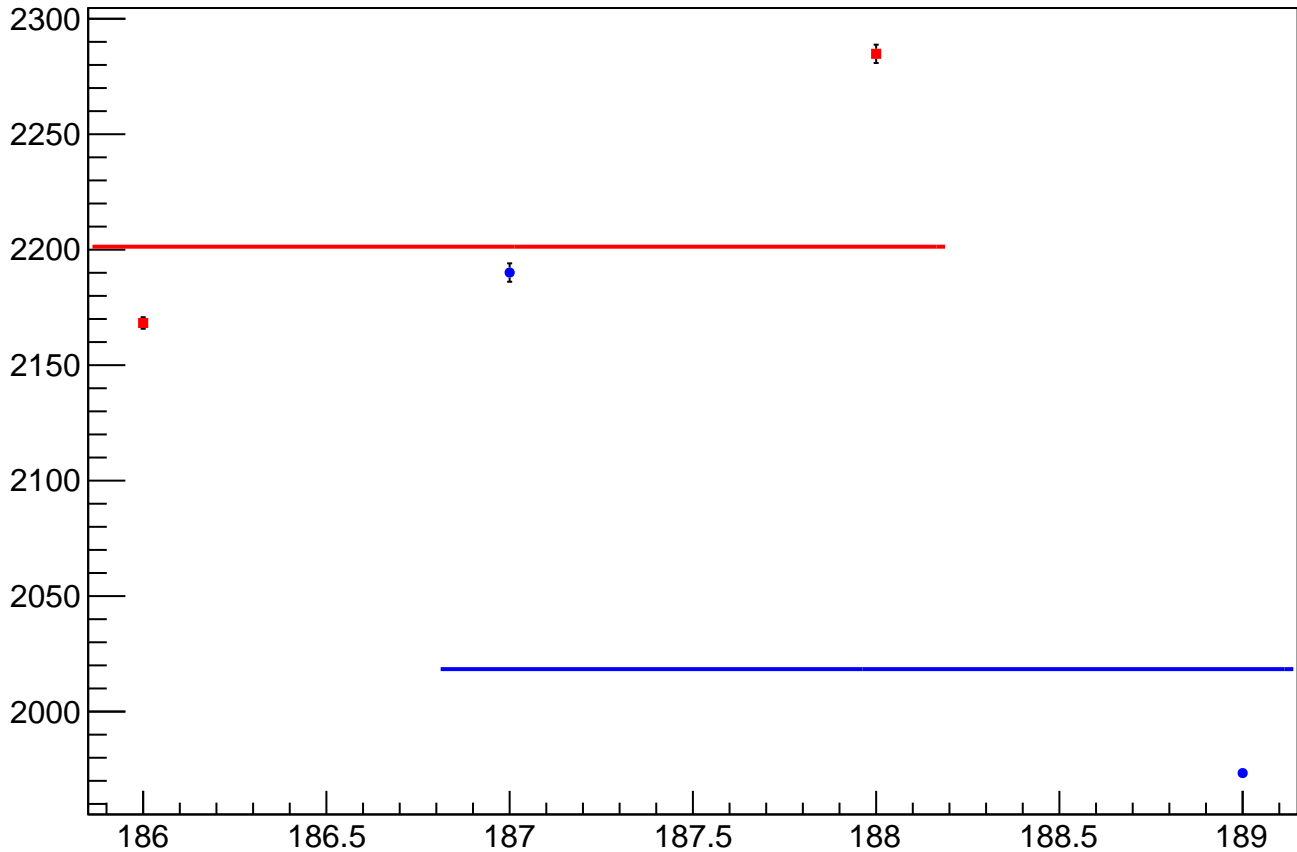
Right:  $-45.540 \pm 1946.480$   $\chi^2/\text{NDF}: 1.4/3$

In:  $-1446.123 \pm 2567.656$   $\chi^2/\text{NDF}: 0.0/1$

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

All:  $-45.540 \pm 1946.480$   $\chi^2/\text{NDF}: 1.4/3$

# asym\_us\_dd\_rms vs Slug, Sign Corrected



Right In: 2018.378+/-1.816  $\chi^2$ /NDF: 2345.2/1

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

Right Out: 2201.305+/-2.110  $\chi^2$ /NDF: 619.6/1

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

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

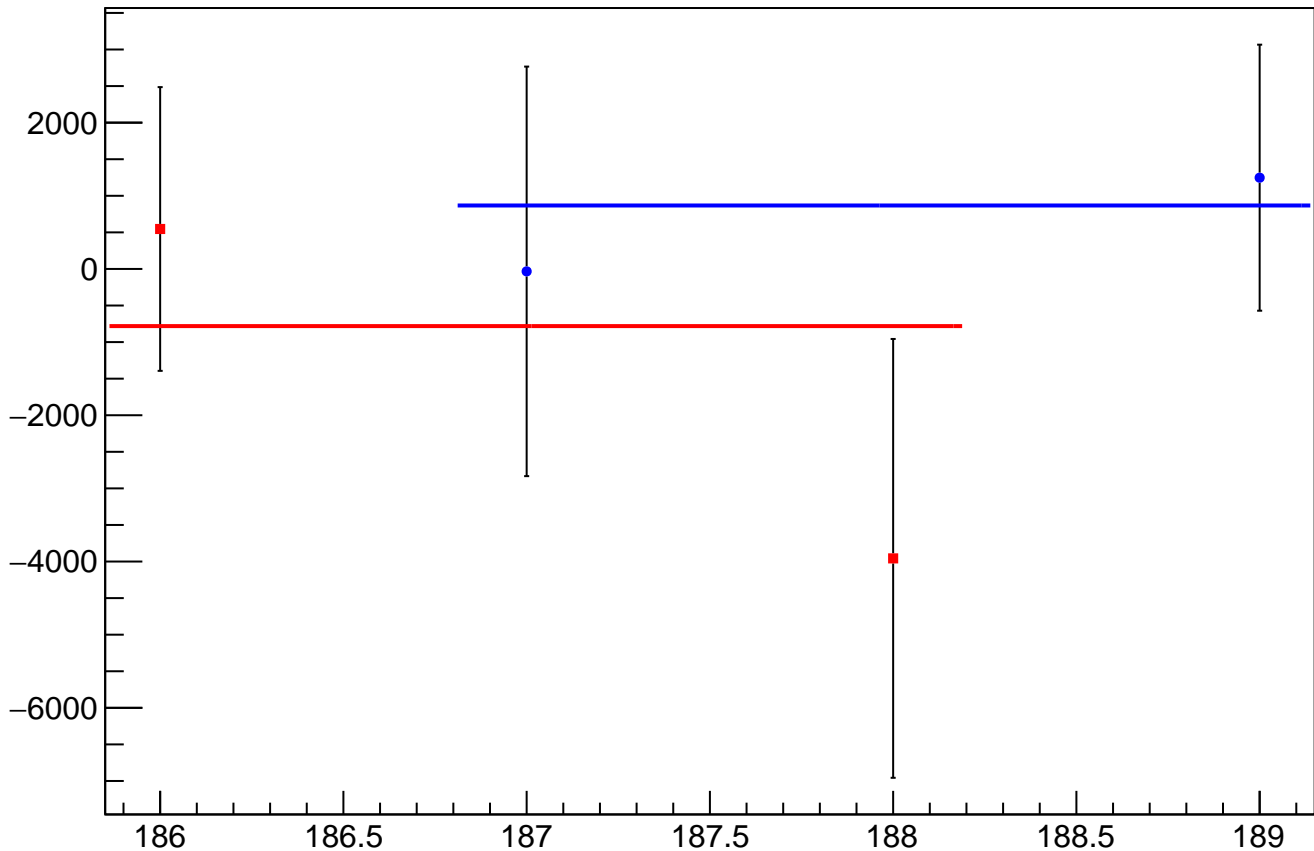
Right: 2096.180+/-1.376  $\chi^2$ /NDF: 7282.2/3

In: 2018.378+/-1.816  $\chi^2$ /NDF:2345.2/1

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

All: 2096.180+/-1.376  $\chi^2$ /NDF: 7282.2/3

# dit\_asym\_usl\_mean vs Slug, Sign Corrected



Right In: 867.526+/-1524.988  $\chi^2$ /NDF: 0.1/1

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

Right Out: -781.358+/-1628.721  $\chi^2$ /NDF: 1.6/1

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

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

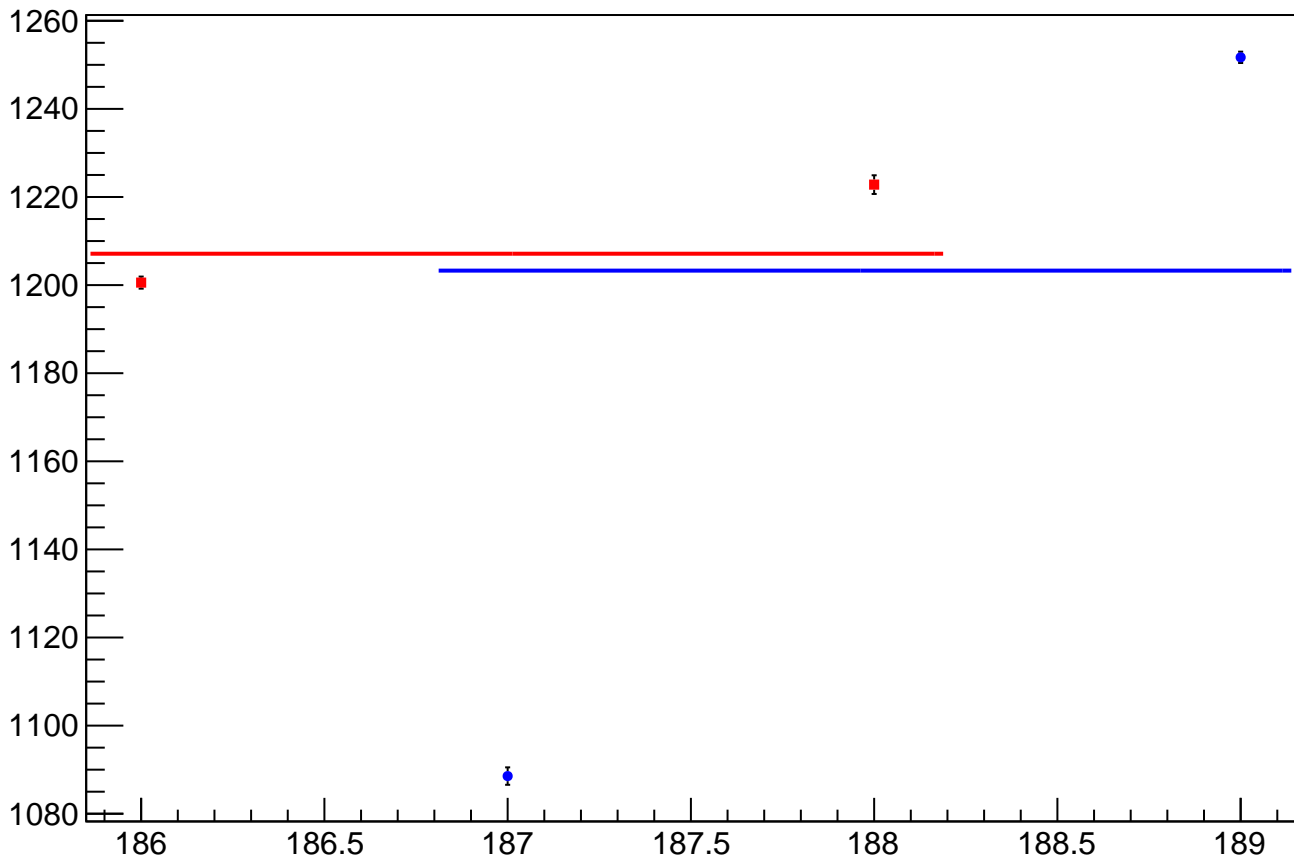
Right: 97.261+/-1113.196  $\chi^2$ /NDF: 2.3/3

In: 867.526+/-1524.988  $\chi^2$ /NDF:0.1/1

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

All: 97.261+/-1113.196  $\chi^2$ /NDF: 2.3/3

# dit\_asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1203.287 $\pm$ 1.078  $\chi^2$ /NDF: 4777.6/1

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

Right Out: 1207.123 $\pm$ 1.152  $\chi^2$ /NDF: 77.6/1

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

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

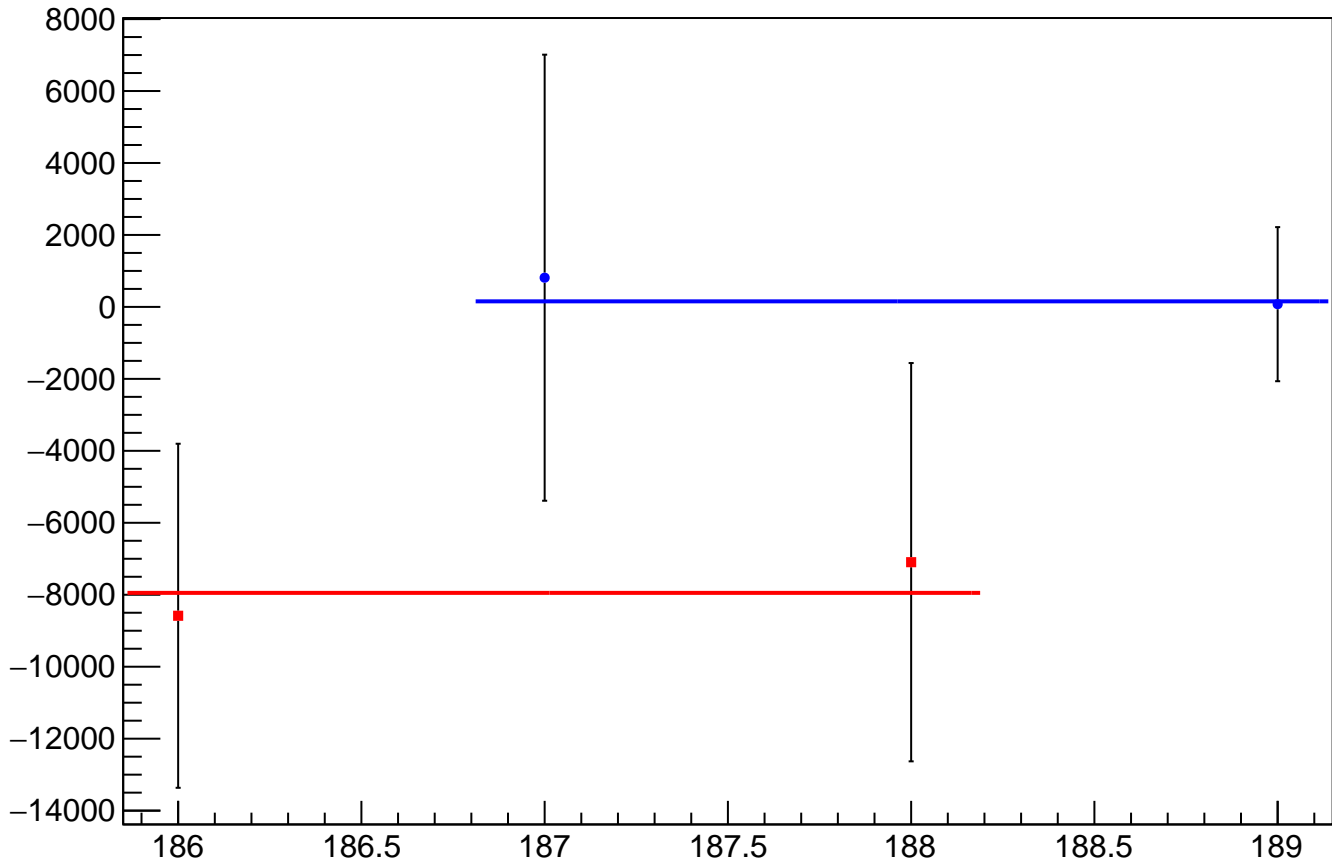
Right: 1205.079 $\pm$ 0.787  $\chi^2$ /NDF: 4861.1/3

In: 1203.287 $\pm$ 1.078  $\chi^2$ /NDF:4777.6/1

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

All: 1205.079 $\pm$ 0.787  $\chi^2$ /NDF: 4861.1/3

# asym\_usl\_correction\_mean vs Slug, Sign Corrected



Right In: 154.525+/-2023.984  $\chi^2$ /NDF: 0.0/1

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

Right Out: -7947.780+/-3618.156  $\chi^2$ /NDF: 0.0/1

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

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

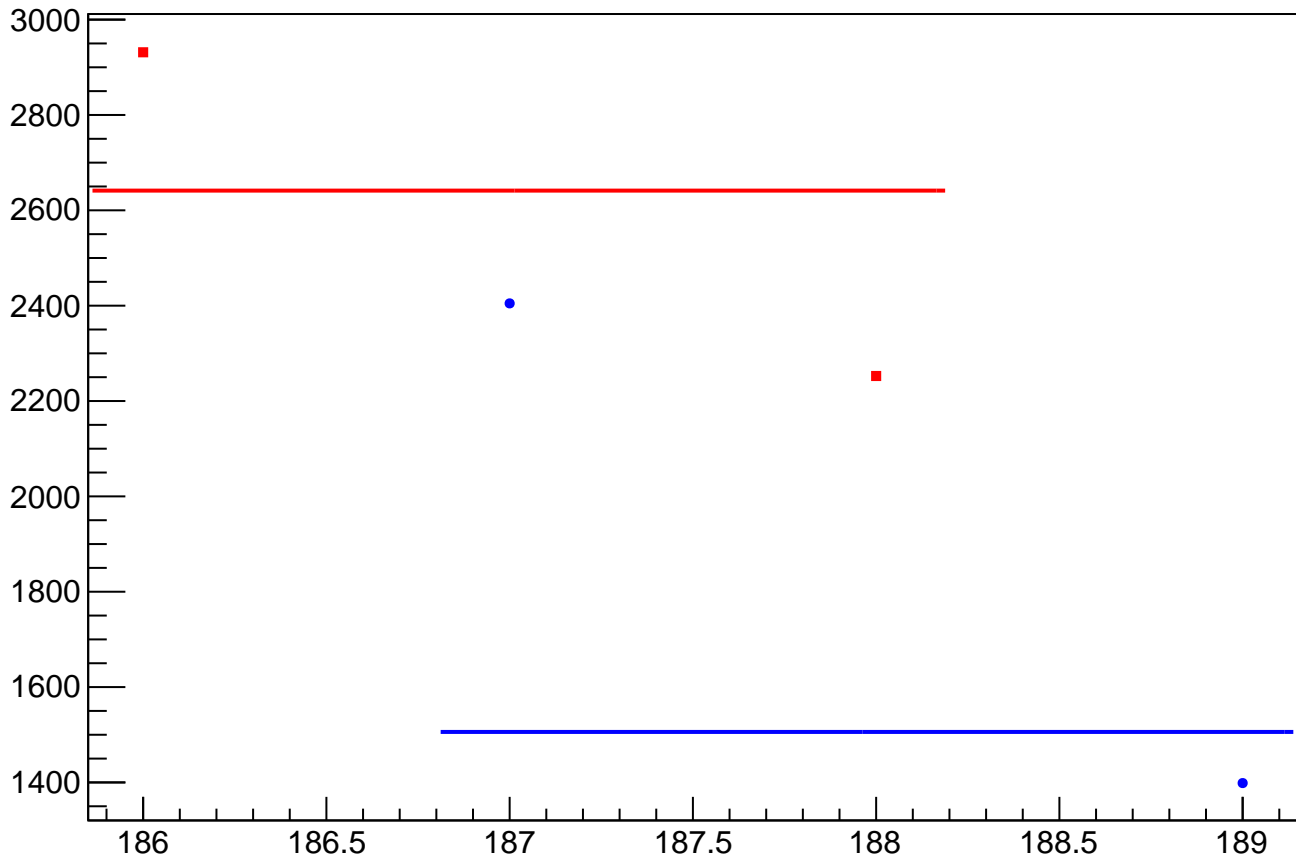
Right: -1776.591+/-1766.392  $\chi^2$ /NDF: 3.9/3

In: 154.525+/-2023.984  $\chi^2$ /NDF:0.0/1

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

All: -1776.591+/-1766.392  $\chi^2$ /NDF: 3.9/3

# asym\_usl\_correction\_rms vs Slug, Sign Corrected



Right In: 1505.921+/-1.431  $\chi^2$ /NDF: 47076.9/1

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

Right Out: 2641.350+/-2.558  $\chi^2$ /NDF: 17236.1/1

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

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

Right: 1776.541+/-1.249  $\chi^2$ /NDF: 214328.4/3

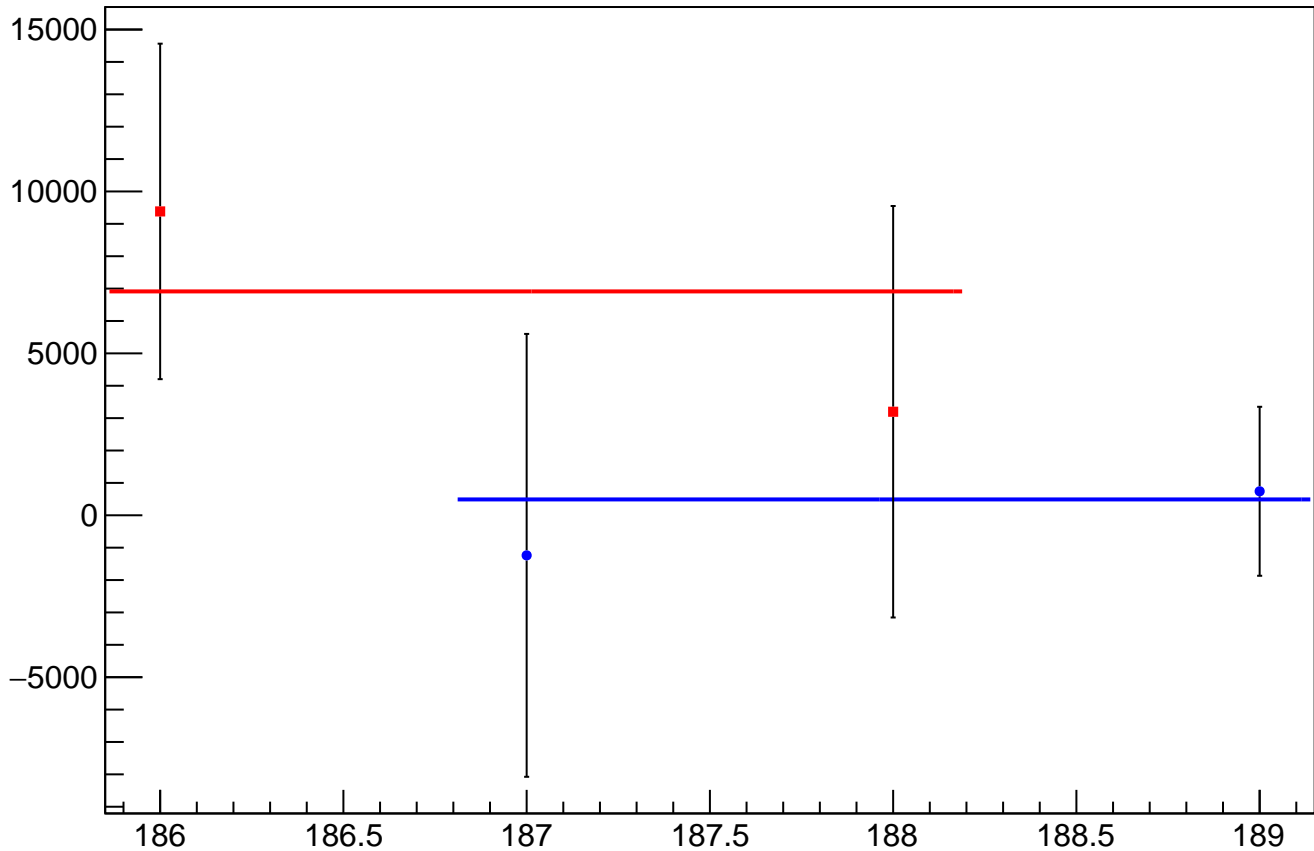
In: 1505.921+/-1.431  $\chi^2$ /NDF:47076.9/1

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

All: 1776.541+/-1.249  $\chi^2$ /NDF: 214328.4/3



# asym\_usl\_mean vs Slug, Sign Corrected



Right In: 489.676 $\pm$ 2437.814  $\chi^2/\text{NDF}$ : 0.1/1

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

Right Out: 6913.303 $\pm$ 4014.764  $\chi^2/\text{NDF}$ : 0.6/1

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

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

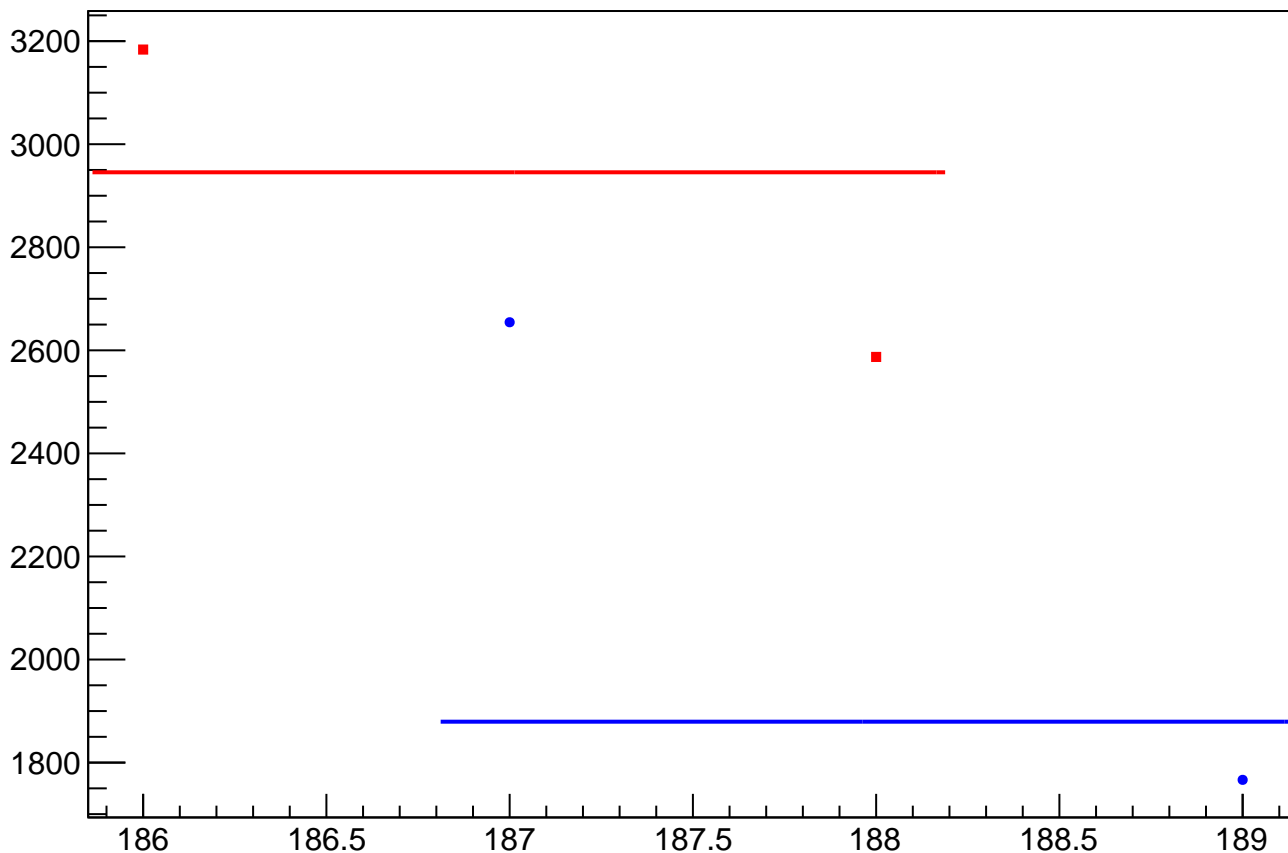
Right: 2220.094 $\pm$ 2083.749  $\chi^2/\text{NDF}$ : 2.5/3

In: 489.676 $\pm$ 2437.814  $\chi^2/\text{NDF}$ :0.1/1

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

All: 2220.094 $\pm$ 2083.749  $\chi^2/\text{NDF}$ : 2.5/3

# asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1879.378+/-1.724  $\chi^2$ /NDF: 29439.6/1

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

Right Out: 2945.488+/-2.839  $\chi^2$ /NDF: 10588.8/1

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

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

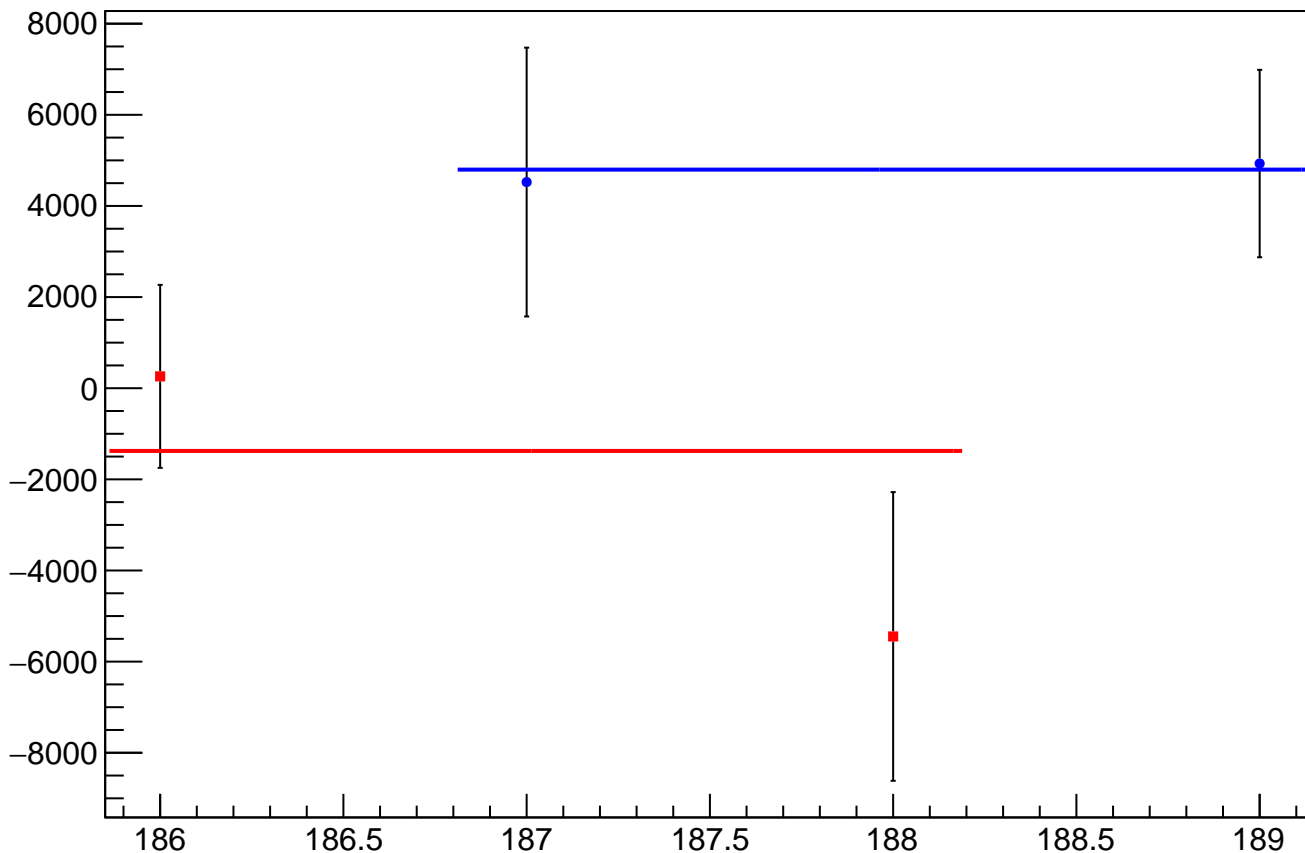
Right: 2166.570+/-1.473  $\chi^2$ /NDF: 143067.9/3

In: 1879.378+/-1.724  $\chi^2$ /NDF:29439.6/1

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

All: 2166.570+/-1.473  $\chi^2$ /NDF: 143067.9/3

# dit\_asym\_usr\_mean vs Slug, Sign Corrected



Right In: 4797.414+/-1687.012  $\chi^2$ /NDF: 0.0/1

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

Right Out: -1376.044+/-1696.123  $\chi^2$ /NDF: 2.3/1

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

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

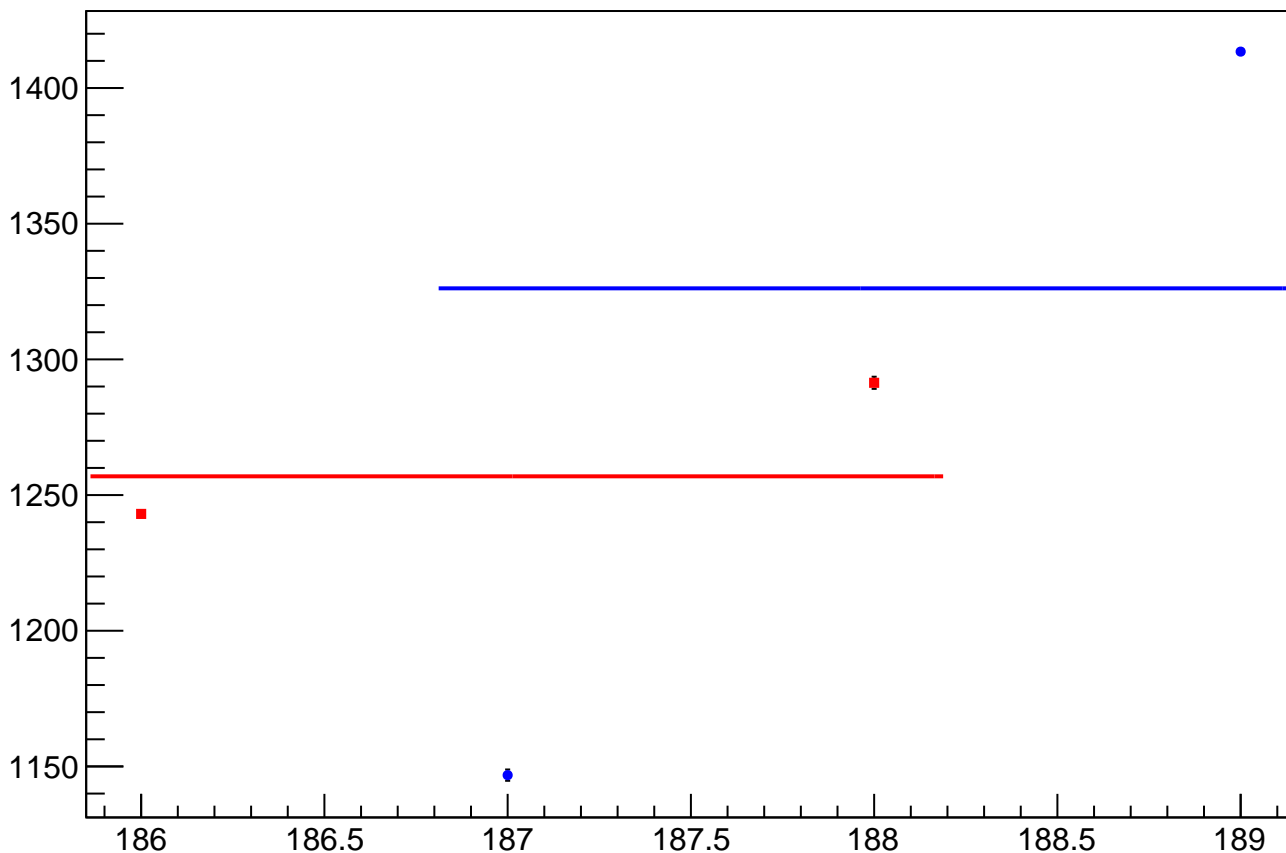
Right: 1727.309+/-1196.106  $\chi^2$ /NDF: 9.0/3

In: 4797.414+/-1687.012  $\chi^2$ /NDF:0.0/1

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

All: 1727.309+/-1196.106  $\chi^2$ /NDF: 9.0/3

# dit\_asym\_usr\_rms vs Slug, Sign Corrected



Right In: 1326.179+/-1.193  $\chi^2/\text{NDF}$ : 10997.0/1

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

Right Out: 1256.906+/-1.199  $\chi^2/\text{NDF}$ : 331.9/1

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

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

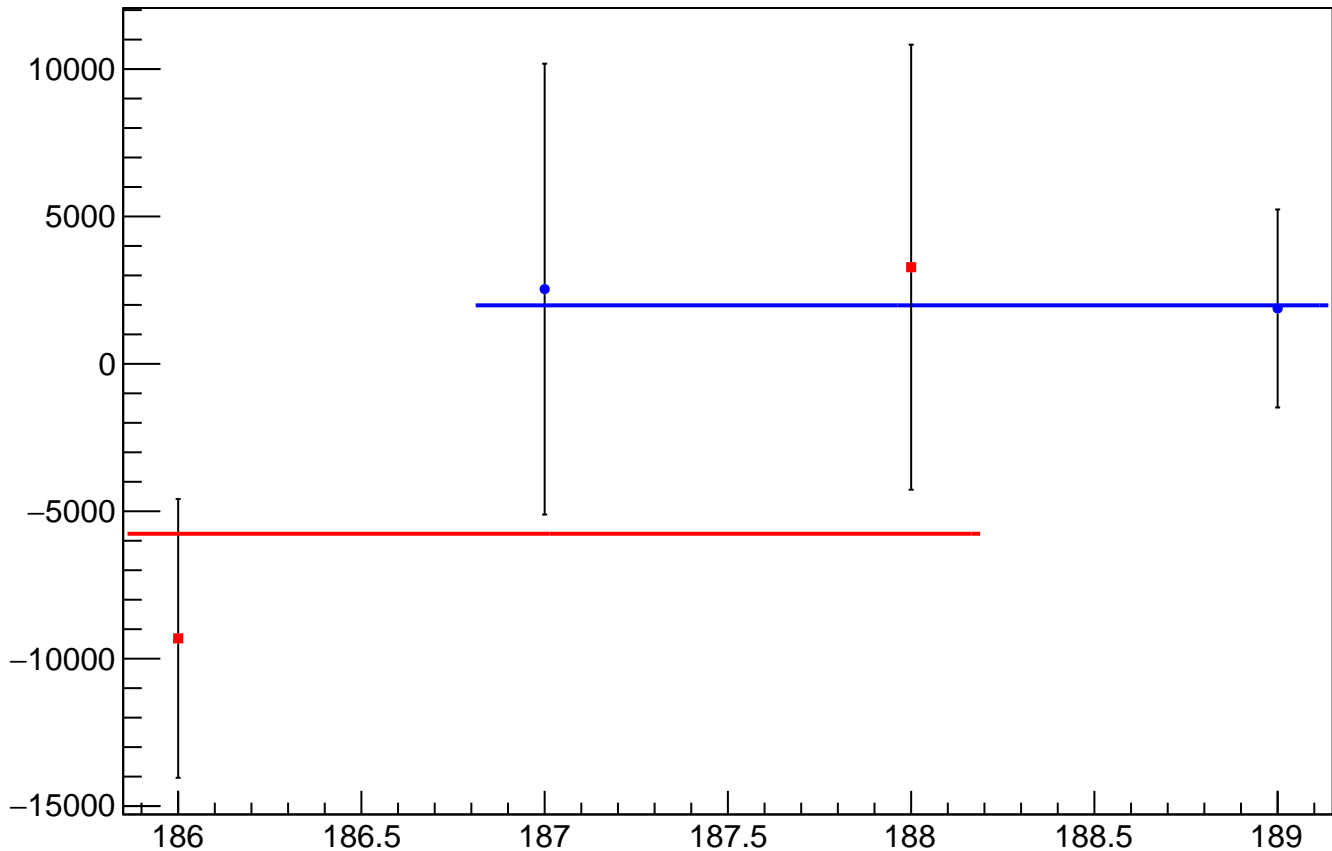
Right: 1291.729+/-0.846  $\chi^2/\text{NDF}$ : 13006.0/3

In: 1326.179+/-1.193  $\chi^2/\text{NDF}$ :10997.0/1

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

All: 1291.729+/-0.846  $\chi^2/\text{NDF}$ : 13006.0/3

# asym\_usr\_correction\_mean vs Slug, Sign Corrected



Right In: 1985.326+/-3075.616  $\chi^2$ /NDF: 0.0/1

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

Right Out: -5762.416+/-4007.551  $\chi^2$ /NDF: 2.0/1

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

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

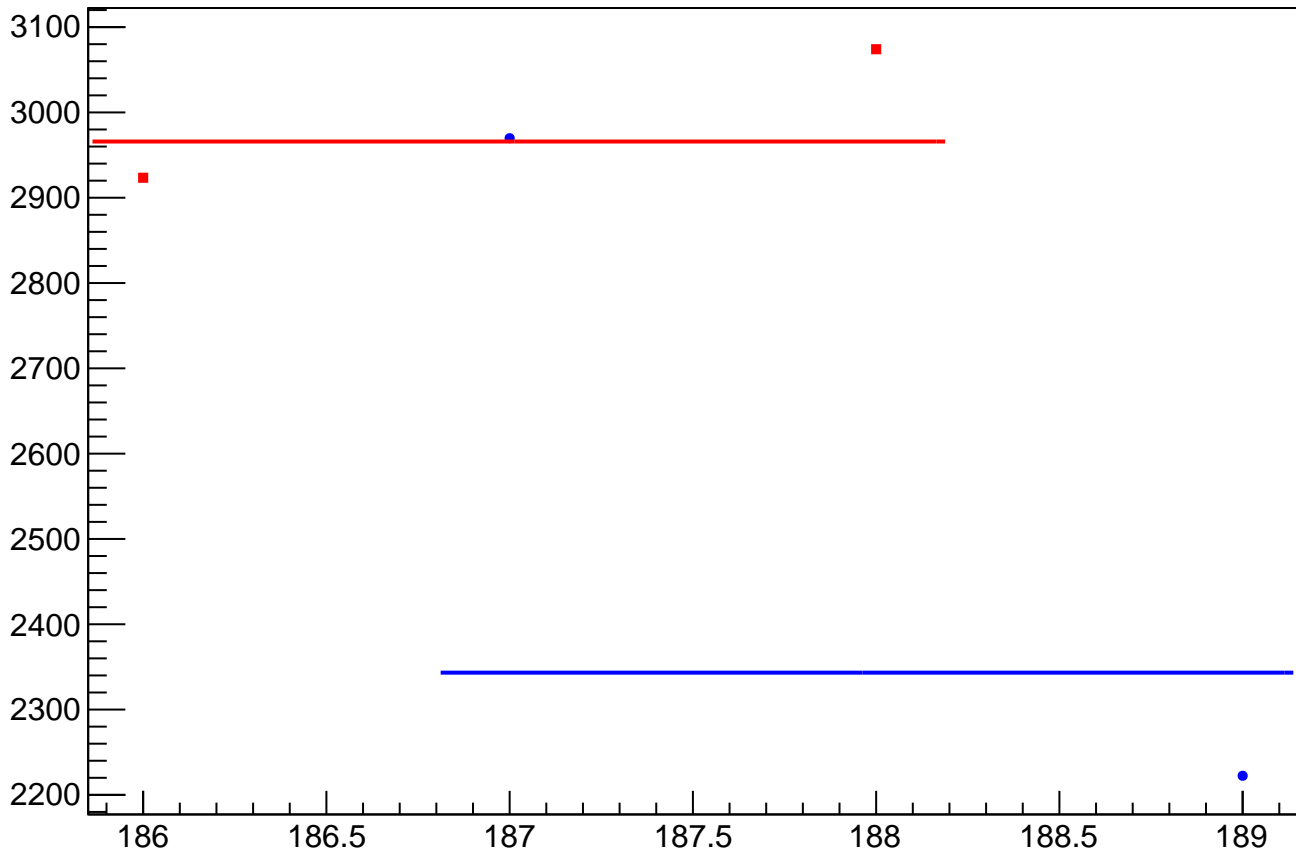
Right: -886.517+/-2439.899  $\chi^2$ /NDF: 4.4/3

In: 1985.326+/-3075.616  $\chi^2$ /NDF:0.0/1

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

All: -886.517+/-2439.899  $\chi^2$ /NDF: 4.4/3

# asym\_usr\_correction\_rms vs Slug, Sign Corrected



Right In: 2343.270+/-2.175  $\chi^2$ /NDF: 16012.9/1

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

Right Out: 2965.891+/-2.834  $\chi^2$ /NDF: 572.3/1

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

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

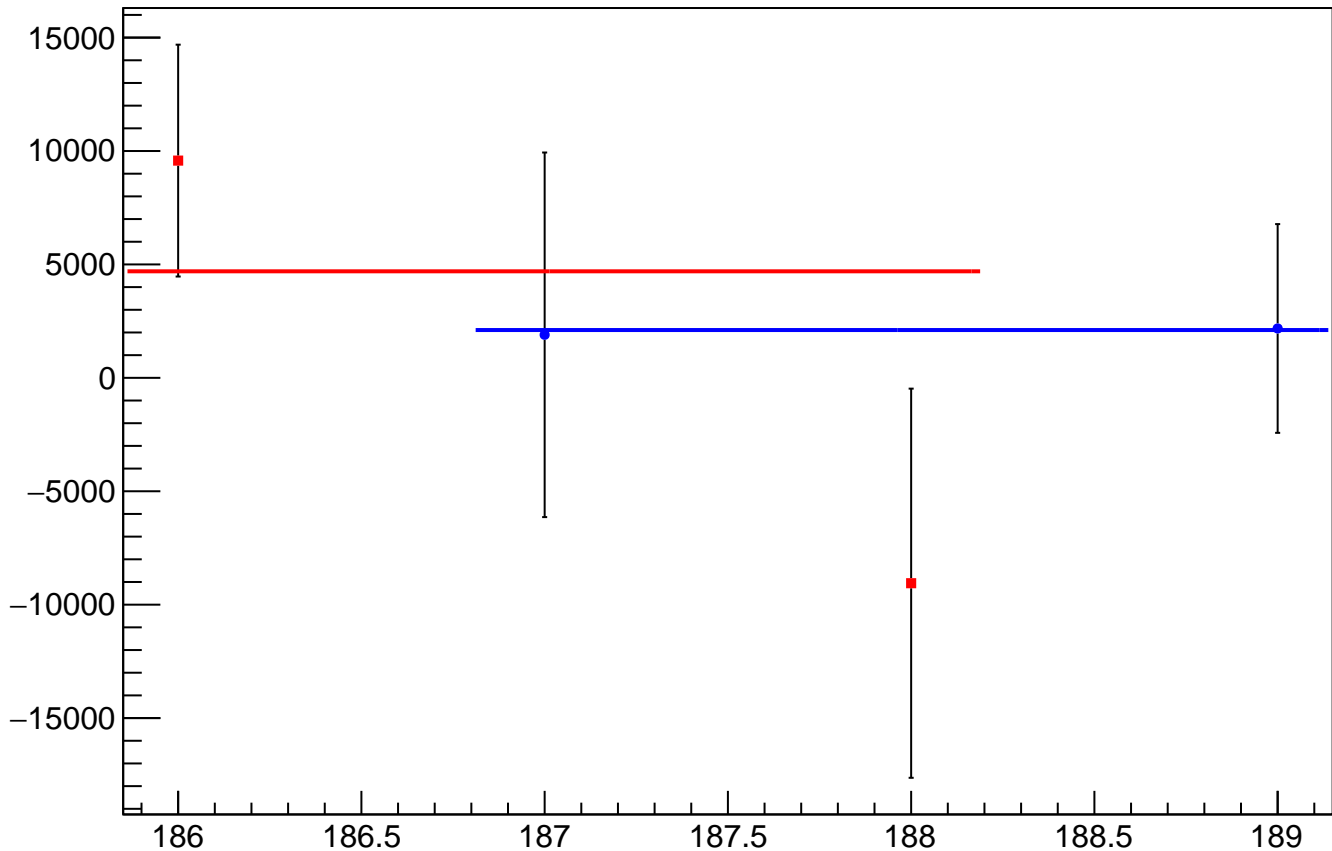
Right: 2574.056+/-1.725  $\chi^2$ /NDF: 46966.0/3

In: 2343.270+/-2.175  $\chi^2$ /NDF:16012.9/1

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

All: 2574.056+/-1.725  $\chi^2$ /NDF: 46966.0/3

# asym\_usr\_mean vs Slug, Sign Corrected



Right In: 2107.580+/-3993.269  $\chi^2$ /NDF: 0.0/1

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

Right Out: 4696.365+/-4390.694  $\chi^2$ /NDF: 3.5/1

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

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

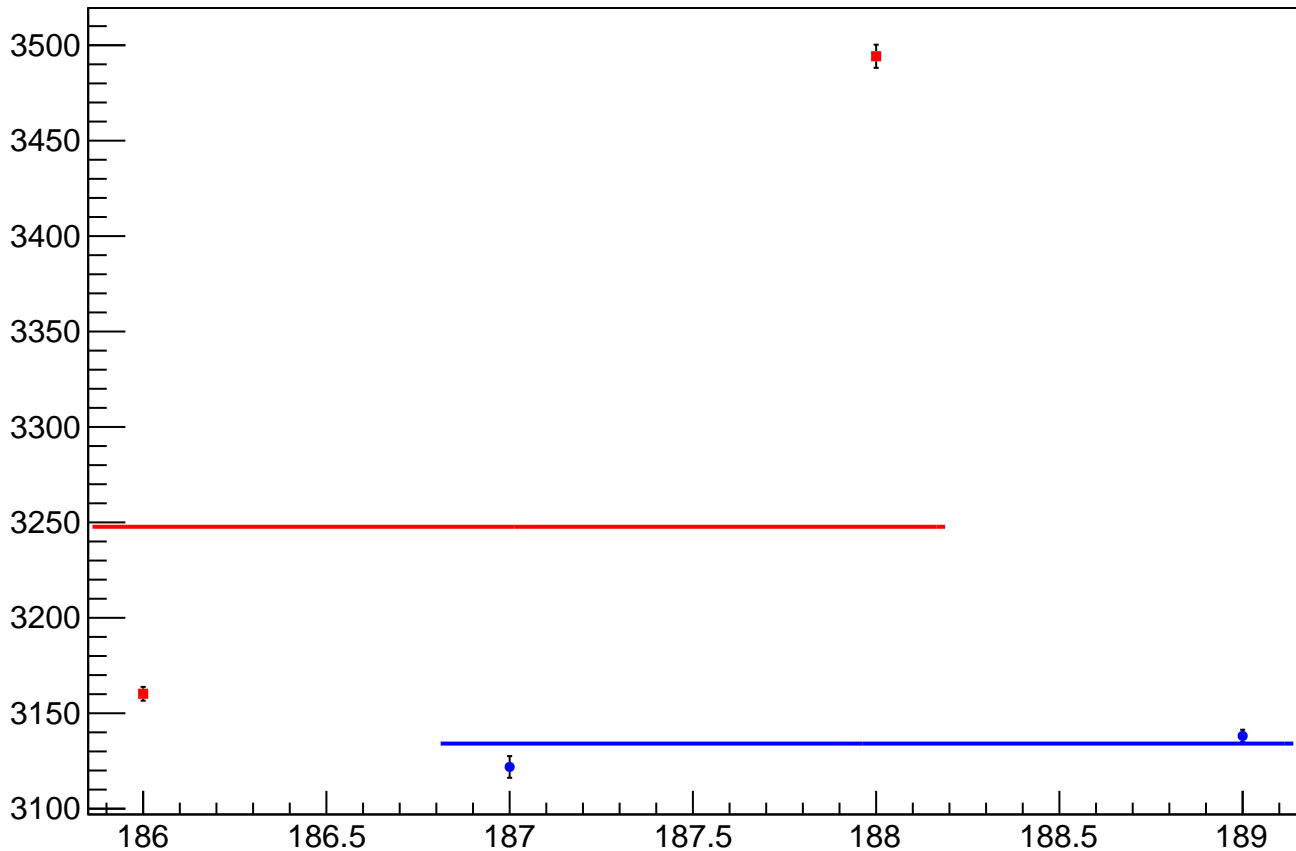
Right: 3279.532+/-2954.201  $\chi^2$ /NDF: 3.7/3

In: 2107.580+/-3993.269  $\chi^2$ /NDF:0.0/1

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

All: 3279.532+/-2954.201  $\chi^2$ /NDF: 3.7/3

# asym\_usr\_rms vs Slug, Sign Corrected



Right In: 3134.111+/-2.824  $\chi^2/\text{NDF}$ : 6.2/1

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

Right Out: 3247.707+/-3.105  $\chi^2/\text{NDF}$ : 2238.0/1

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

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

Right: 3185.536+/-2.089  $\chi^2/\text{NDF}$ : 2976.8/3

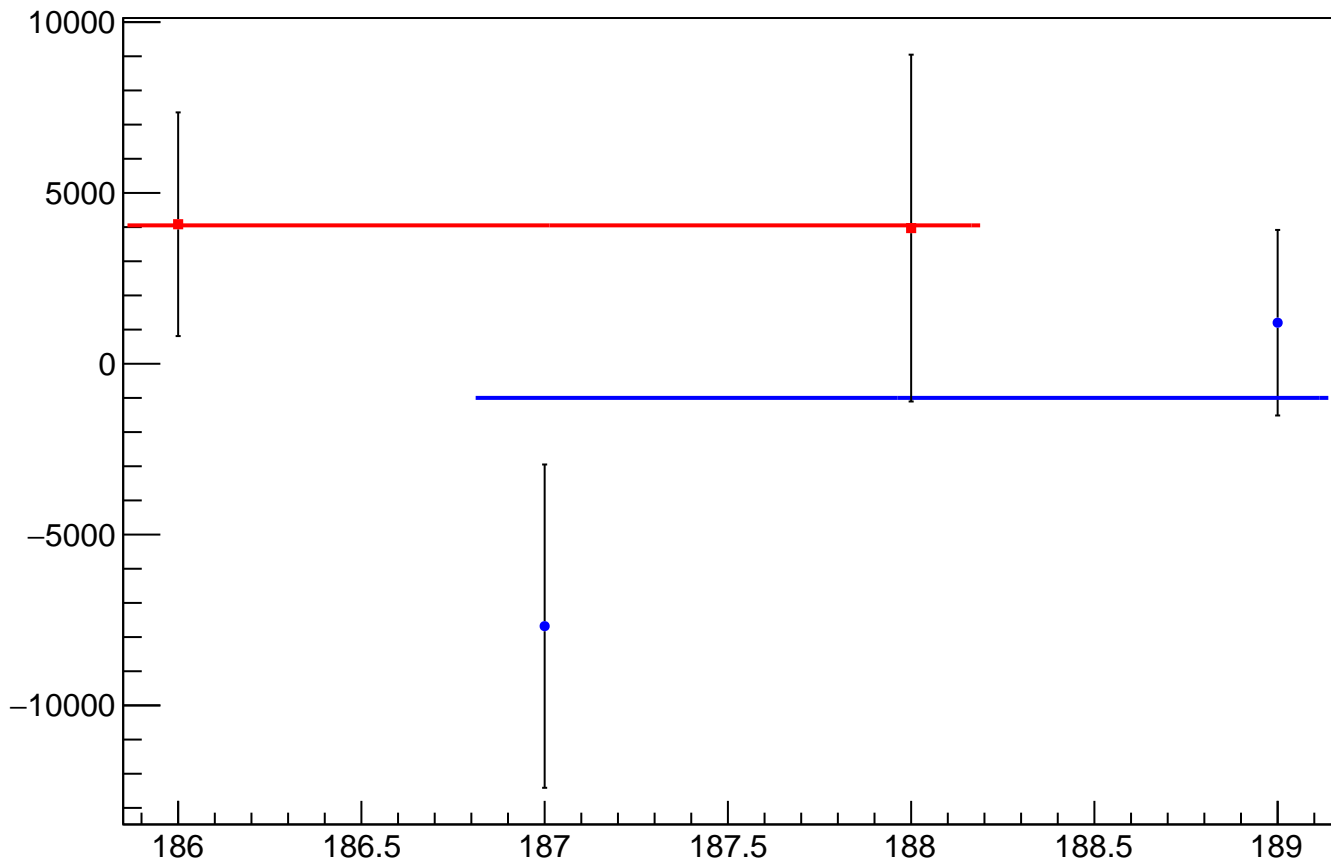
In: 3134.111+/-2.824  $\chi^2/\text{NDF}$ : 6.2/1

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

All: 3185.536+/-2.089  $\chi^2/\text{NDF}$ : 2976.8/3



# dit\_asym\_at1\_avg\_mean vs Slug, Sign Corrected



Right In: -998.873+/-2355.199  $\chi^2/\text{NDF}$ : 2.7/1

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

Right Out: 4050.889+/-2751.035  $\chi^2/\text{NDF}$ : 0.0/1

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

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

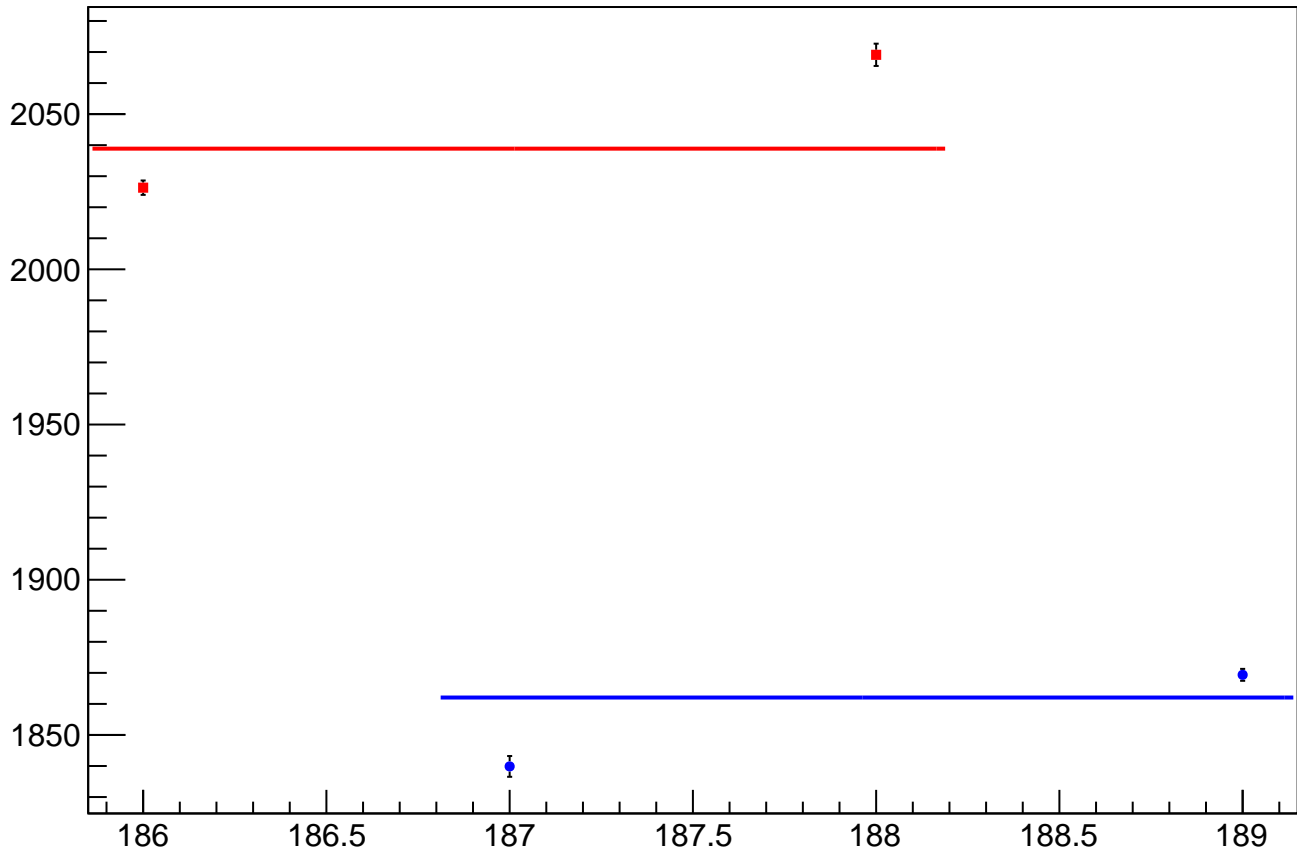
Right: 1136.889+/-1789.110  $\chi^2/\text{NDF}$ : 4.6/3

In: -998.873+/-2355.199  $\chi^2/\text{NDF}$ :2.7/1

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

All: 1136.889+/-1789.110  $\chi^2/\text{NDF}$ : 4.6/3

# dit\_asym\_at1\_avg\_rms vs Slug, Sign Corrected



Right In: 1862.058+/-1.665  $\chi^2$ /NDF: 58.5/1

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

Right Out: 2038.874+/-1.945  $\chi^2$ /NDF: 100.4/1

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

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

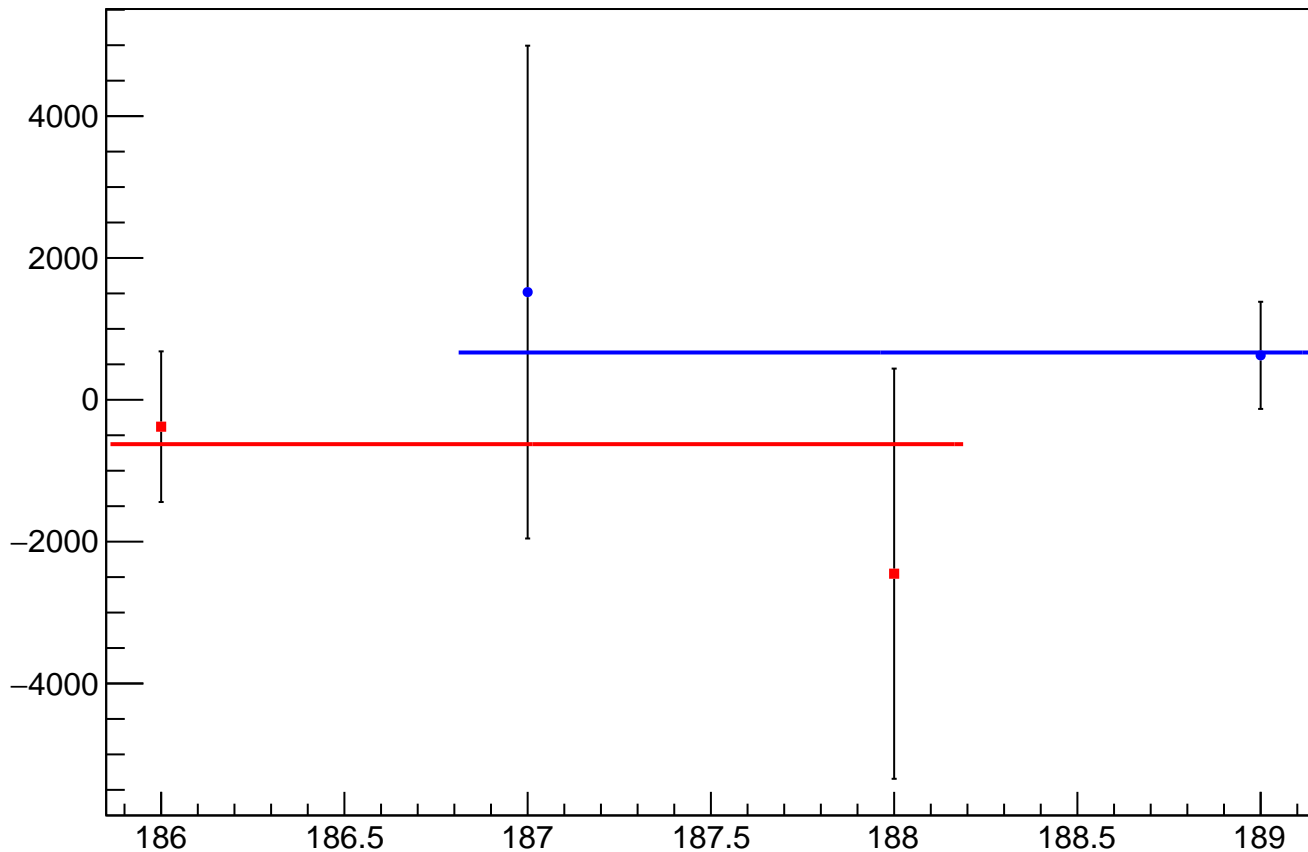
Right: 1936.841+/-1.265  $\chi^2$ /NDF: 4926.5/3

In: 1862.058+/-1.665  $\chi^2$ /NDF:58.5/1

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

All: 1936.841+/-1.265  $\chi^2$ /NDF: 4926.5/3

asym\_at1\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 667.161+/-738.168  $\chi^2$ /NDF: 0.1/1

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

Right Out: -625.406+/-997.048  $\chi^2$ /NDF: 0.5/1

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

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

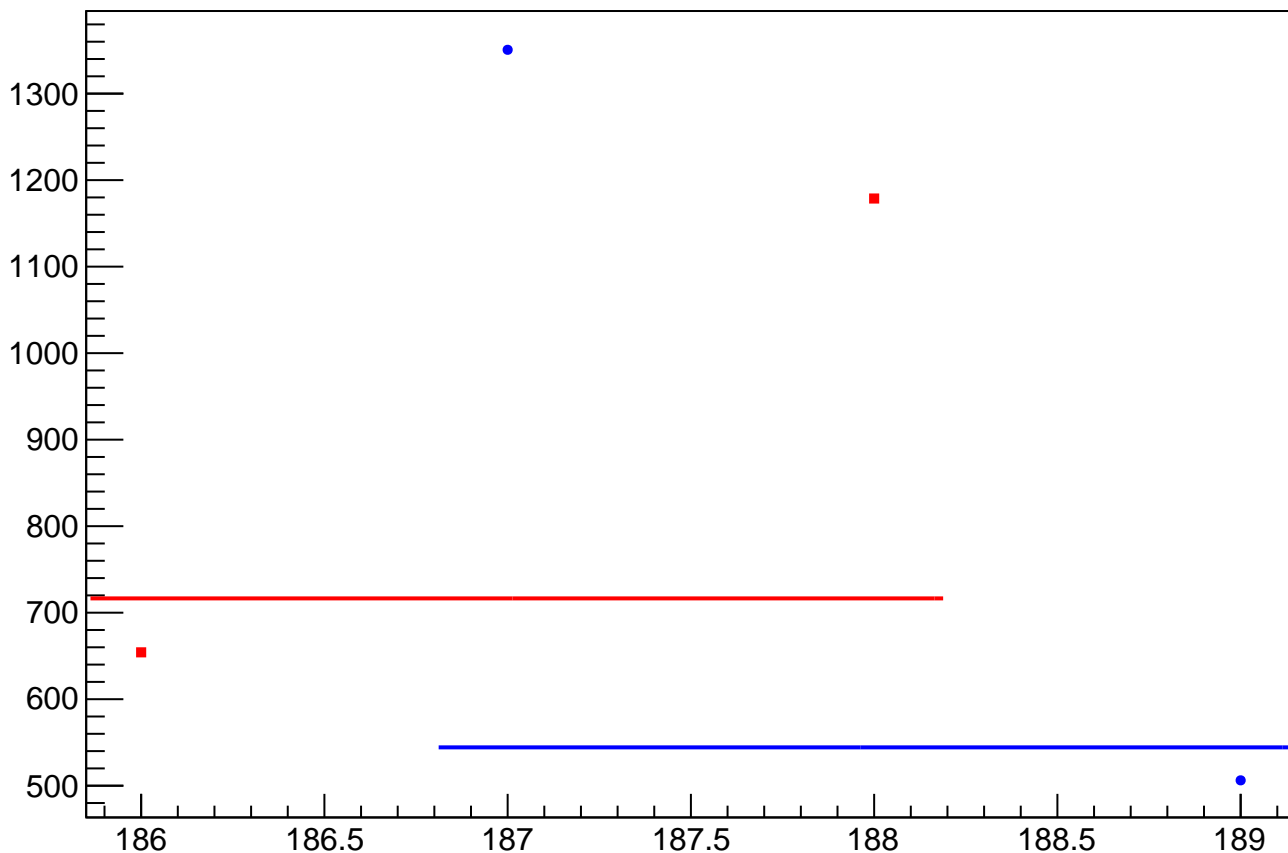
Right: 209.520+/-593.270  $\chi^2$ /NDF: 1.6/3

In: 667.161+/-738.168  $\chi^2$ /NDF:0.1/1

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

All: 209.520+/-593.270  $\chi^2$ /NDF: 1.6/3

# asym\_at1\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 544.328+/-0.522  $\chi^2$ /NDF: 112797.8/1

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

Right Out: 716.518+/-0.705  $\chi^2$ /NDF: 57980.1/1

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

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

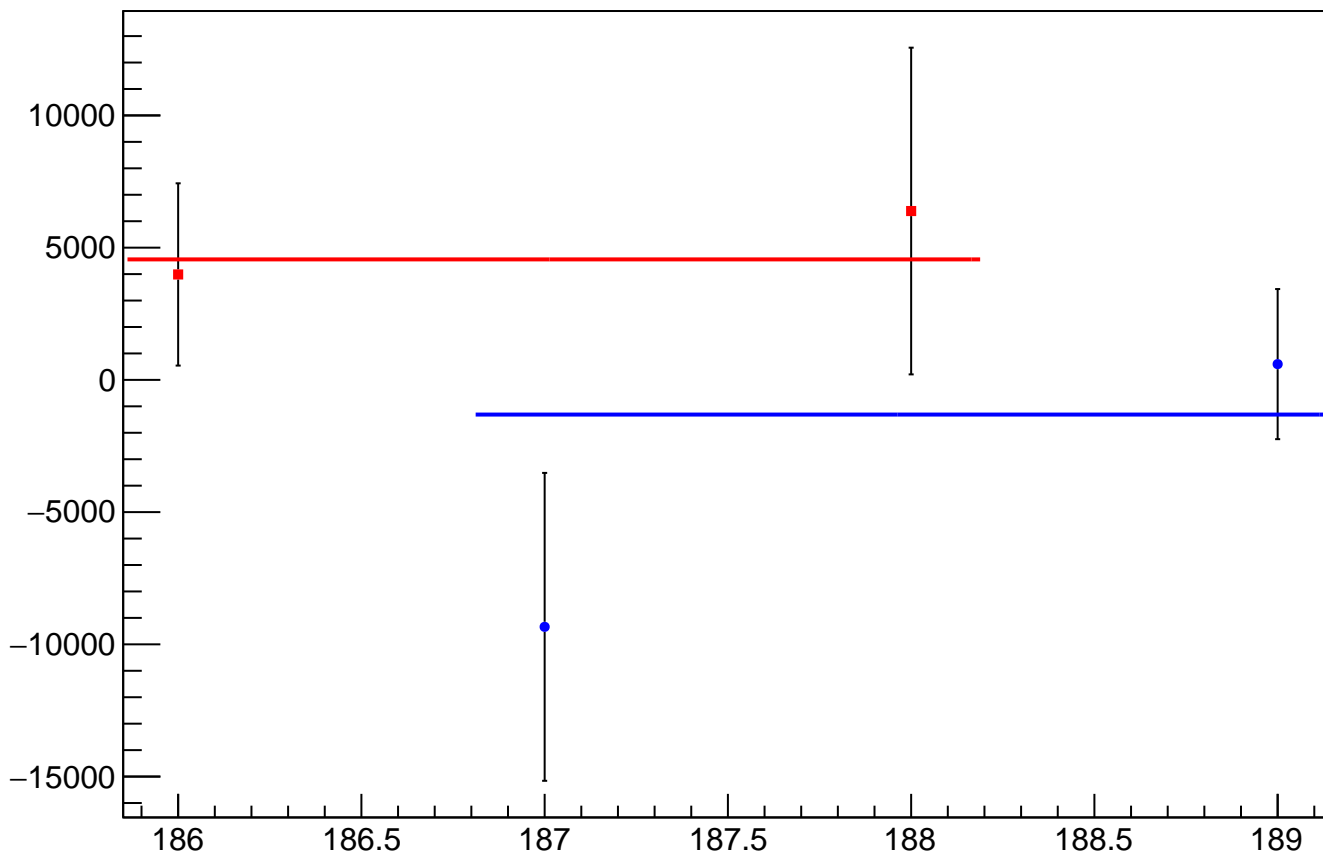
Right: 605.293+/-0.420  $\chi^2$ /NDF: 209308.8/3

In: 544.328+/-0.522  $\chi^2$ /NDF:112797.8/1

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

All: 605.293+/-0.420  $\chi^2$ /NDF: 209308.8/3

# asym\_at1\_avg\_mean vs Slug, Sign Corrected



Right In: -1311.411+/-2551.104  $\chi^2$ /NDF: 2.4/1

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

Right Out: 4556.163+/-3009.511  $\chi^2$ /NDF: 0.1/1

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

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

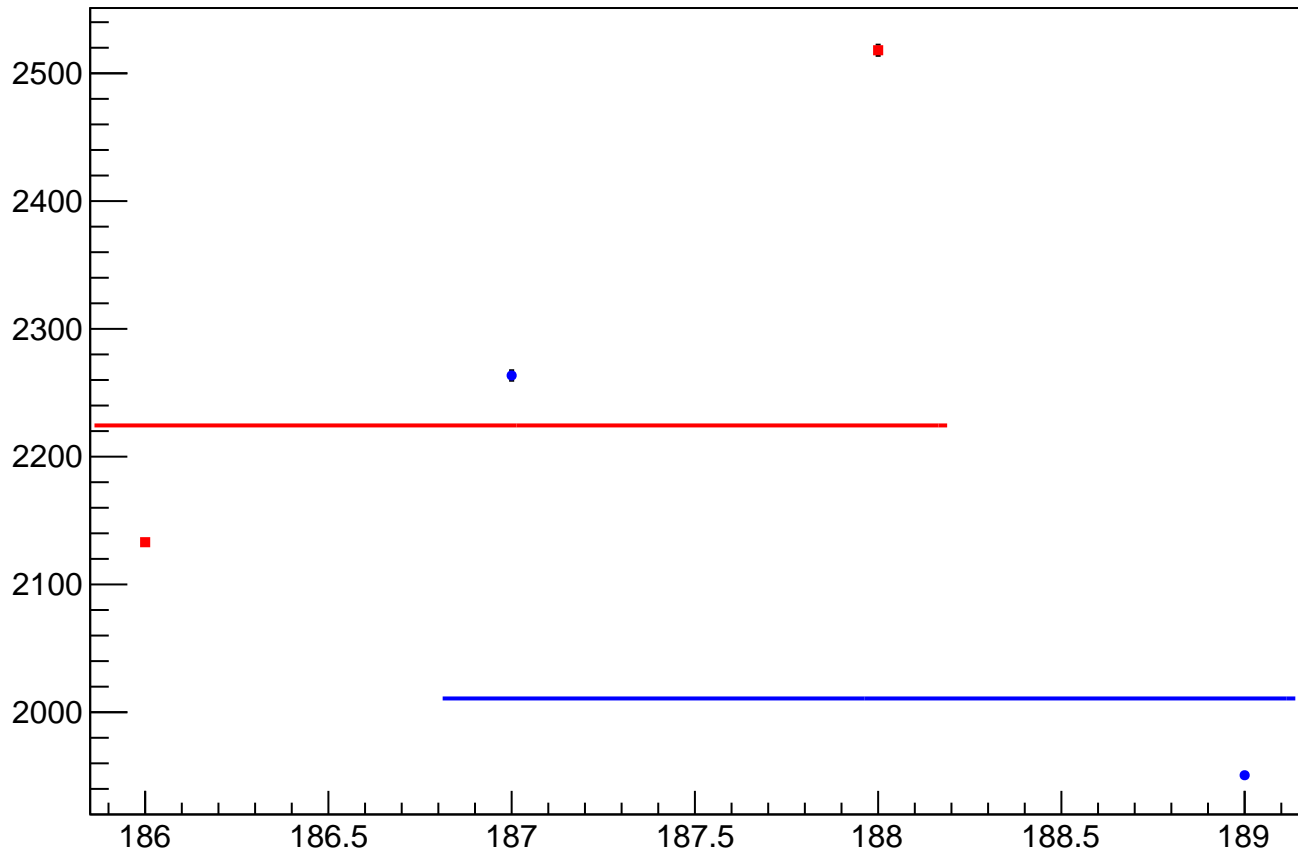
Right: 1141.929+/-1946.012  $\chi^2$ /NDF: 4.7/3

In: -1311.411+/-2551.104  $\chi^2$ /NDF:2.4/1

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

All: 1141.929+/-1946.012  $\chi^2$ /NDF: 4.7/3

# asym\_at1\_avg\_rms vs Slug, Sign Corrected



Right In: 2010.773+/-1.804  $\chi^2$ /NDF: 4666.6/1

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

Right Out: 2224.433+/-2.128  $\chi^2$ /NDF: 5924.4/1

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

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

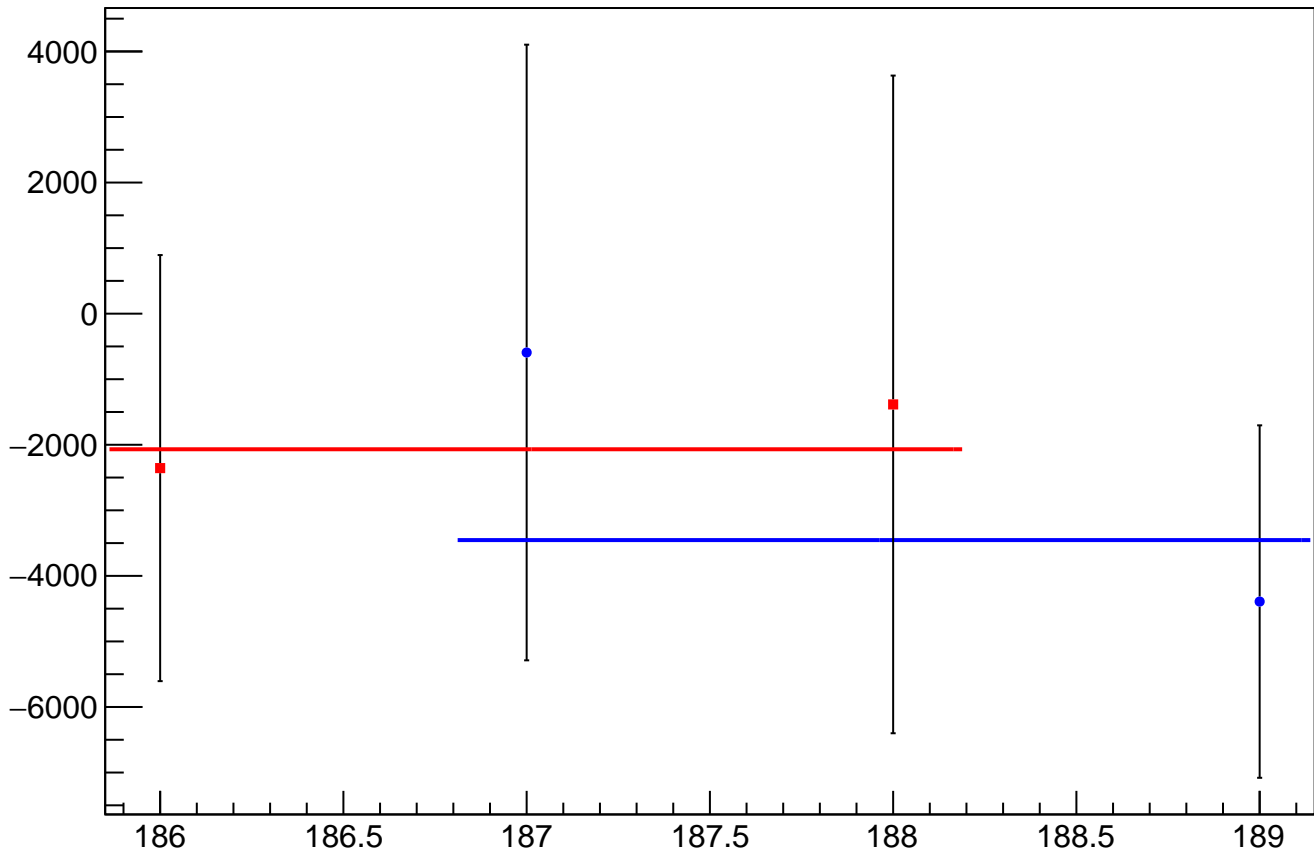
Right: 2100.109+/-1.376  $\chi^2$ /NDF: 16456.7/3

In: 2010.773+/-1.804  $\chi^2$ /NDF:4666.6/1

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

All: 2100.109+/-1.376  $\chi^2$ /NDF: 16456.7/3

# dit\_asym\_at1\_dd\_mean vs Slug, Sign Corrected



Right In:  $-3454.052 \pm 2333.041$   $\chi^2/\text{NDF}: 0.5/1$

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

Right Out:  $-2068.645 \pm 2727.479$   $\chi^2/\text{NDF}: 0.0/1$

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

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

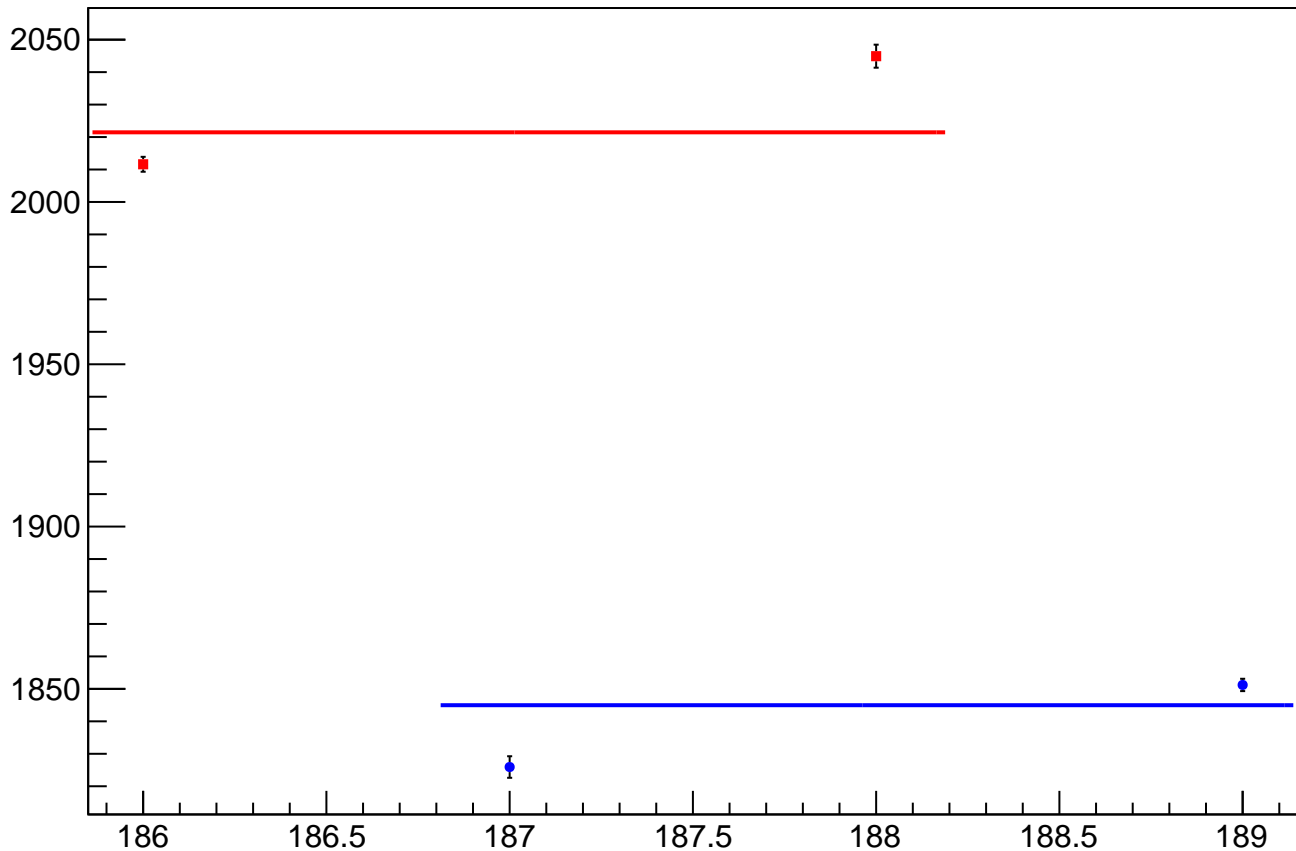
Right:  $-2868.681 \pm 1772.917$   $\chi^2/\text{NDF}: 0.7/3$

In:  $-3454.052 \pm 2333.041$   $\chi^2/\text{NDF}: 0.5/1$

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

All:  $-2868.681 \pm 1772.917$   $\chi^2/\text{NDF}: 0.7/3$

# dit\_asym\_at1\_dd\_rms vs Slug, Sign Corrected



Right In: 1844.969+/-1.650  $\chi^2$ /NDF: 43.7/1

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

Right Out: 2021.455+/-1.929  $\chi^2$ /NDF: 62.1/1

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

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

Right: 1919.539+/-1.254  $\chi^2$ /NDF: 4941.5/3

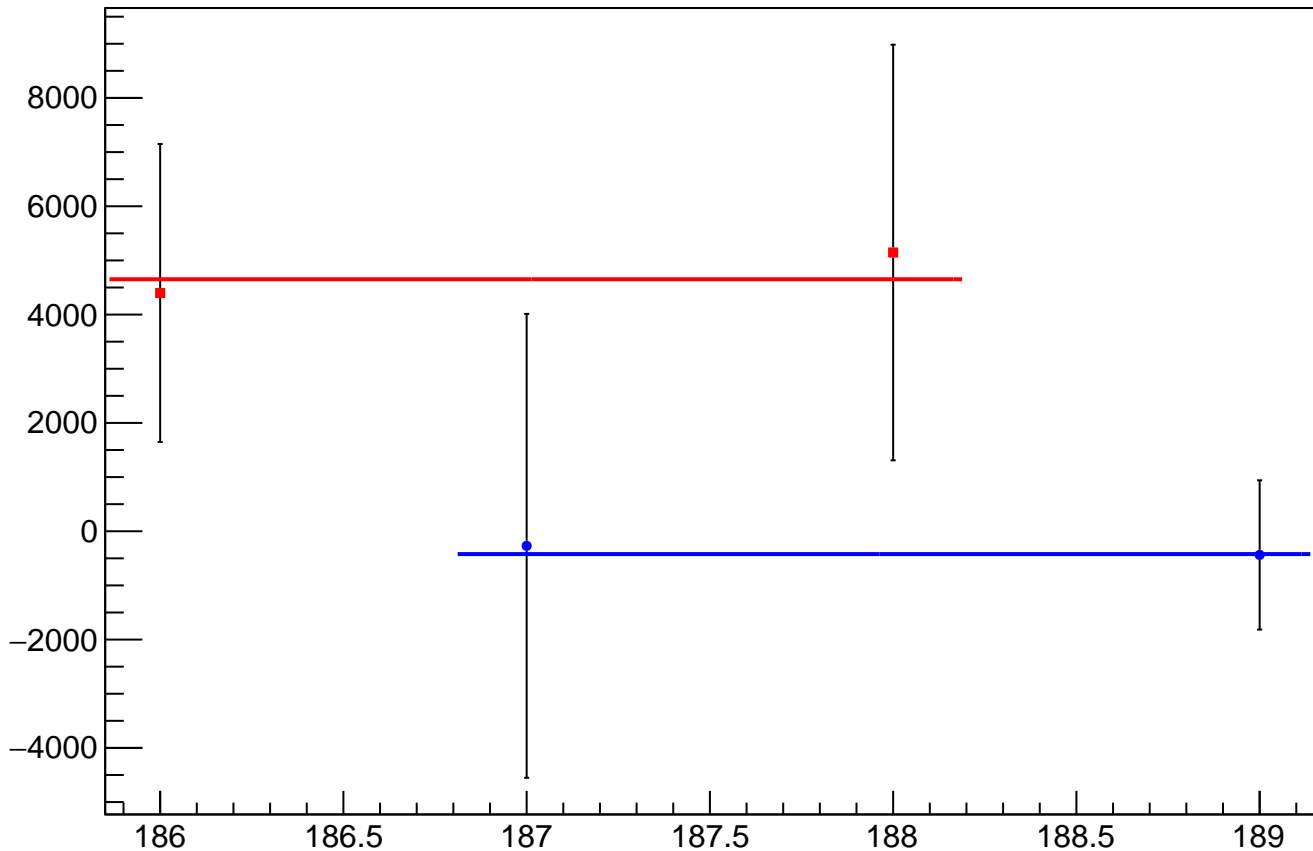
In: 1844.969+/-1.650  $\chi^2$ /NDF:43.7/1

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

All: 1919.539+/-1.254  $\chi^2$ /NDF: 4941.5/3



# asym\_at1\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -421.508+/-1311.616  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: 4652.559+/-2235.527  $\chi^2/\text{NDF}$ : 0.0/1

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

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

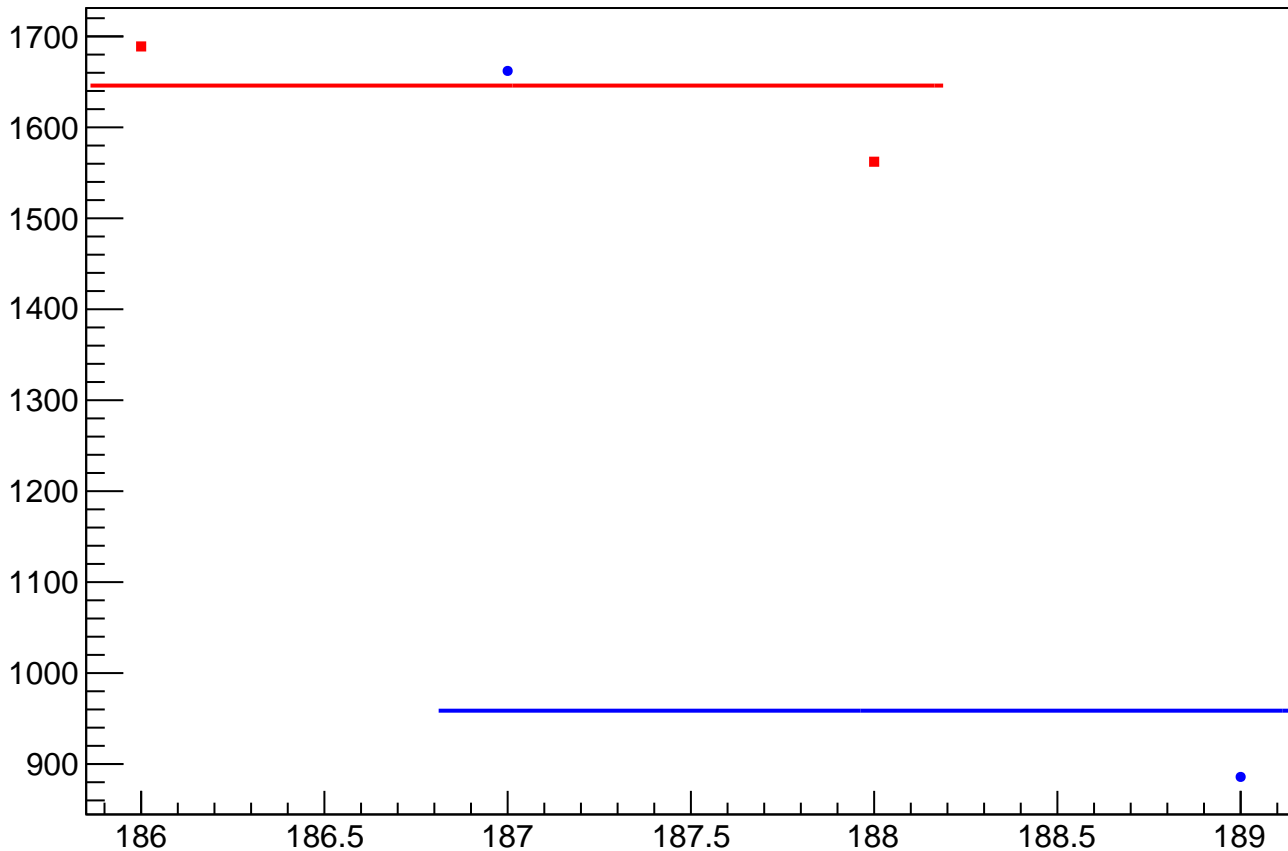
Right: 877.868+/-1131.278  $\chi^2/\text{NDF}$ : 3.9/3

In: -421.508+/-1311.616  $\chi^2/\text{NDF}$ : 0.0/1

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

All: 877.868+/-1131.278  $\chi^2/\text{NDF}$ : 3.9/3

# asym\_at1\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 958.657+/-0.927  $\chi^2$ /NDF: 59545.0/1

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

Right Out: 1645.936+/-1.581  $\chi^2$ /NDF: 1441.6/1

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

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

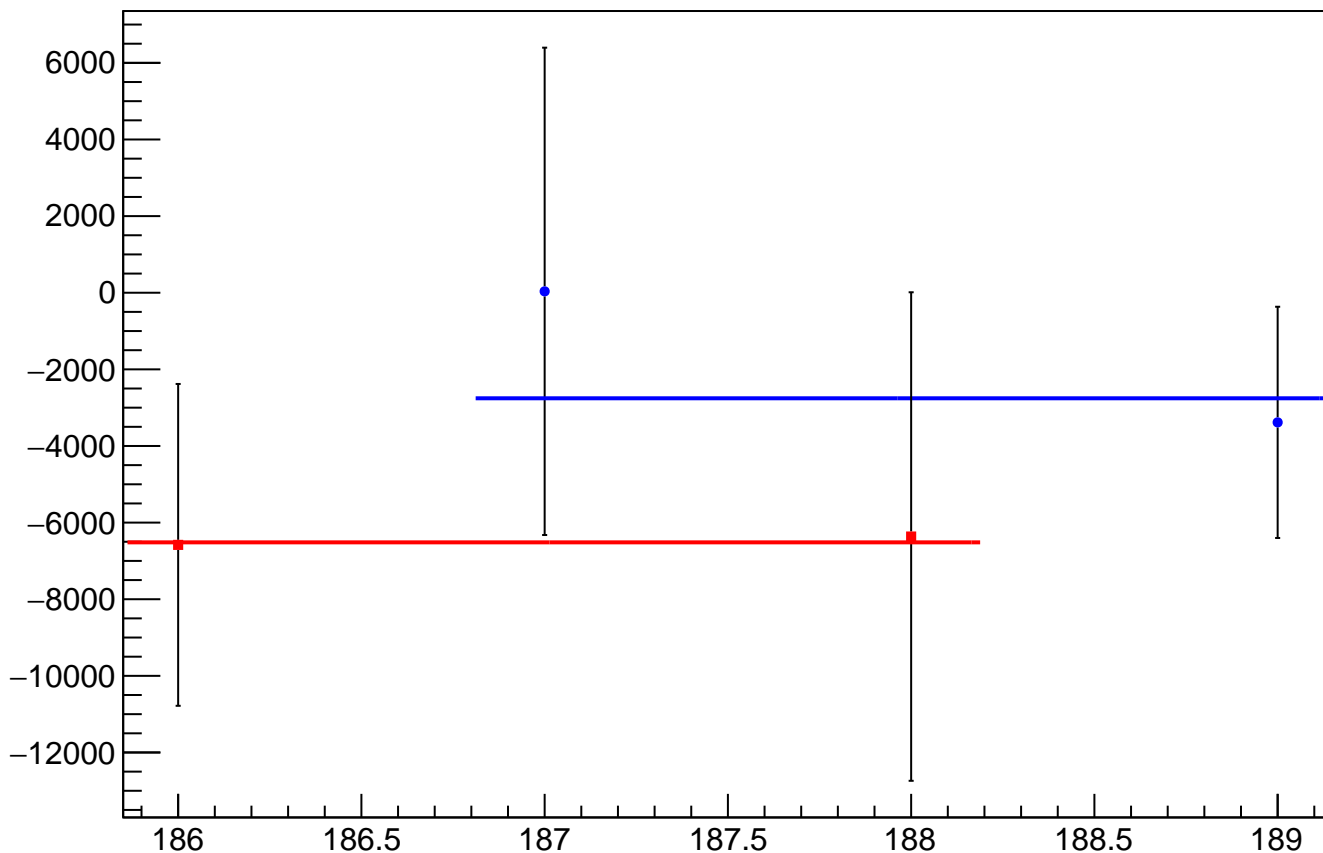
Right: 1134.657+/-0.800  $\chi^2$ /NDF: 201611.6/3

In: 958.657+/-0.927  $\chi^2$ /NDF:59545.0/1

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

All: 1134.657+/-0.800  $\chi^2$ /NDF: 201611.6/3

# asym\_at1\_dd\_mean vs Slug, Sign Corrected



Right In:  $-2755.241 \pm 2726.457$   $\chi^2/\text{NDF}: 0.2/1$

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

Right Out:  $-6515.613 \pm 3507.591$   $\chi^2/\text{NDF}: 0.0/1$

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

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

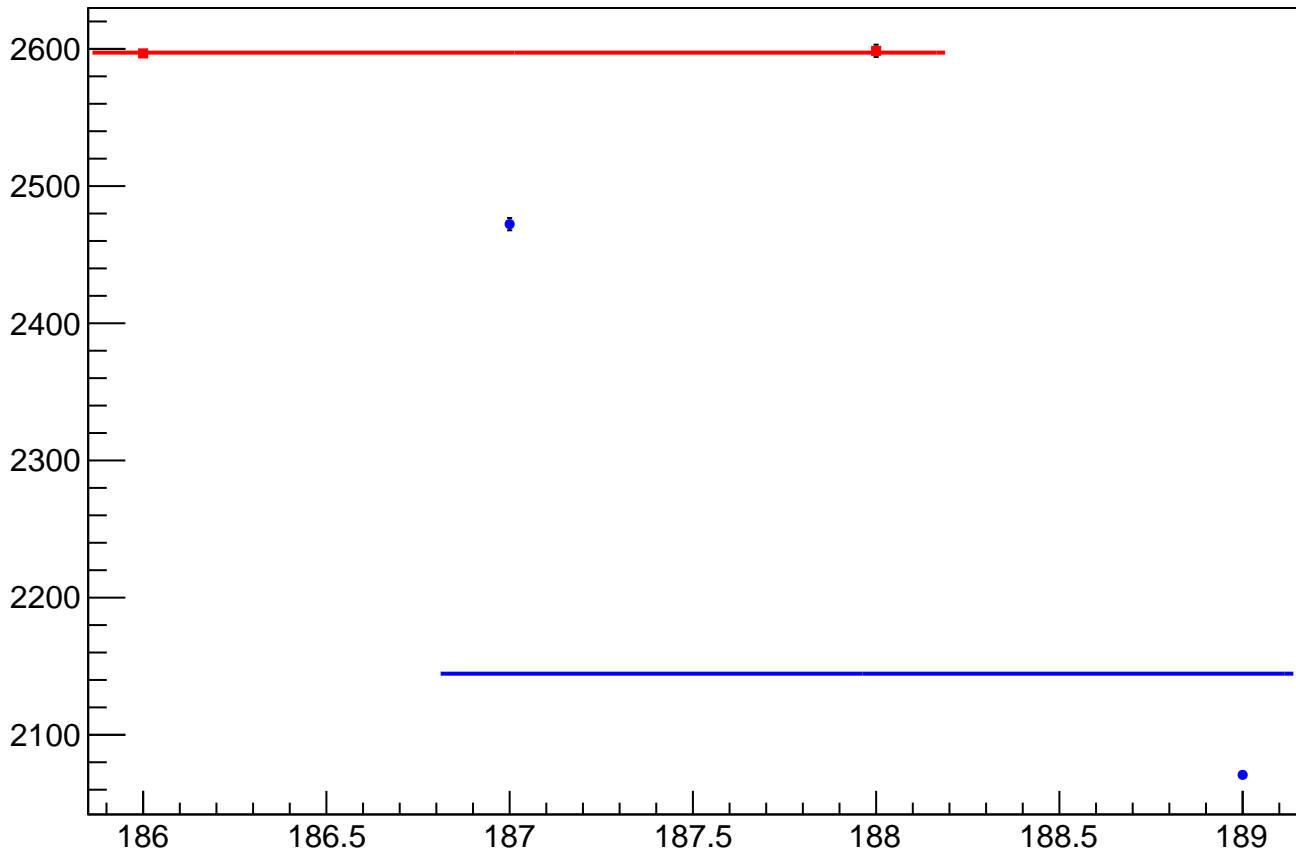
Right:  $-4171.531 \pm 2152.631$   $\chi^2/\text{NDF}: 1.0/3$

In:  $-2755.241 \pm 2726.457$   $\chi^2/\text{NDF}: 0.2/1$

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

All:  $-4171.531 \pm 2152.631$   $\chi^2/\text{NDF}: 1.0/3$

# asym\_at1\_dd\_rms vs Slug, Sign Corrected



Right In: 2144.579+/-1.928  $\chi^2/\text{NDF}$ : 6503.8/1

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

Right Out: 2597.287+/-2.480  $\chi^2/\text{NDF}$ : 0.1/1

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

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

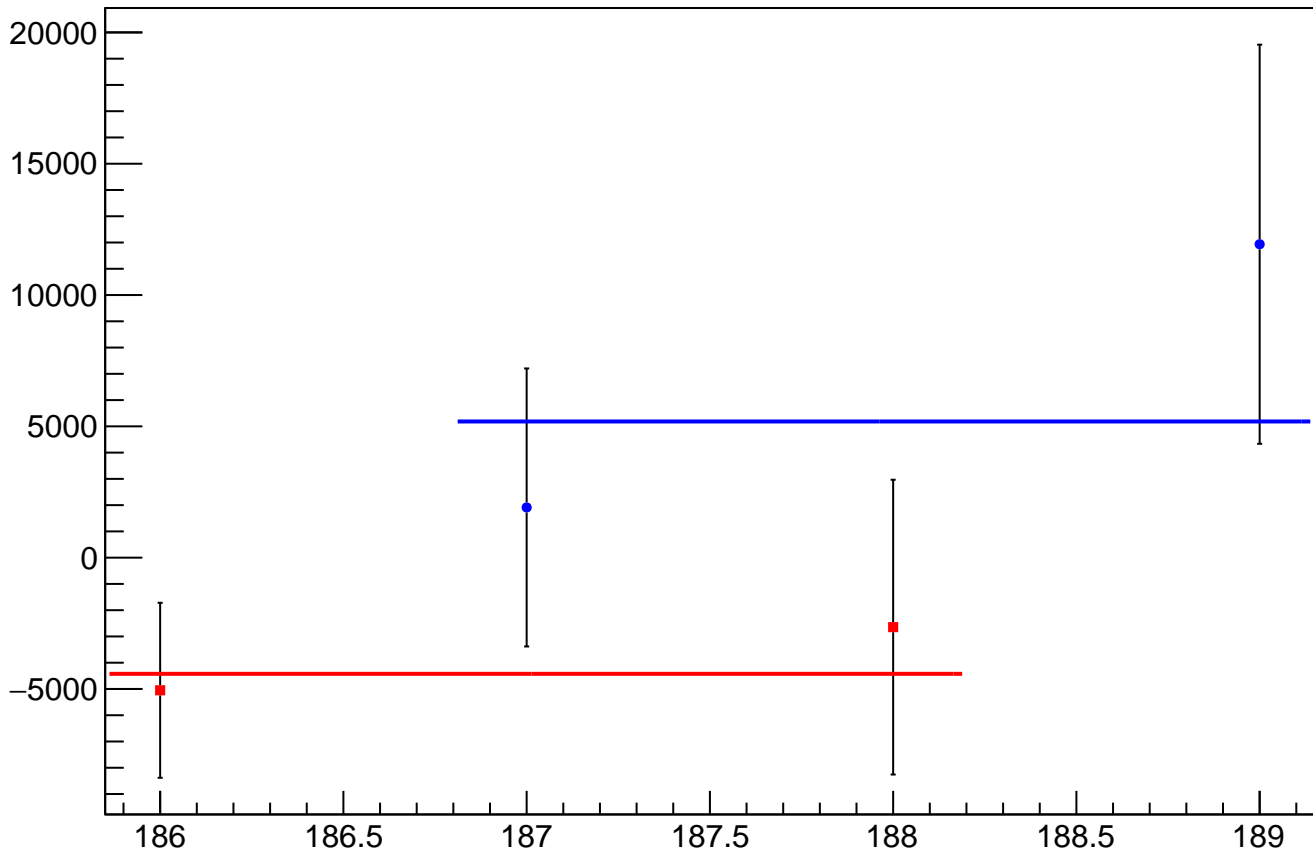
Right: 2315.085+/-1.522  $\chi^2/\text{NDF}$ : 27271.8/3

In: 2144.579+/-1.928  $\chi^2/\text{NDF}$ :6503.8/1

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

All: 2315.085+/-1.522  $\chi^2/\text{NDF}$ : 27271.8/3

# dit\_asym\_at2\_avg\_mean vs Slug, Sign Corrected



Right In: 5185.731+/-4343.257  $\chi^2$ /NDF: 1.2/1

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

Right Out: -4423.494+/-2865.142  $\chi^2$ /NDF: 0.1/1

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

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

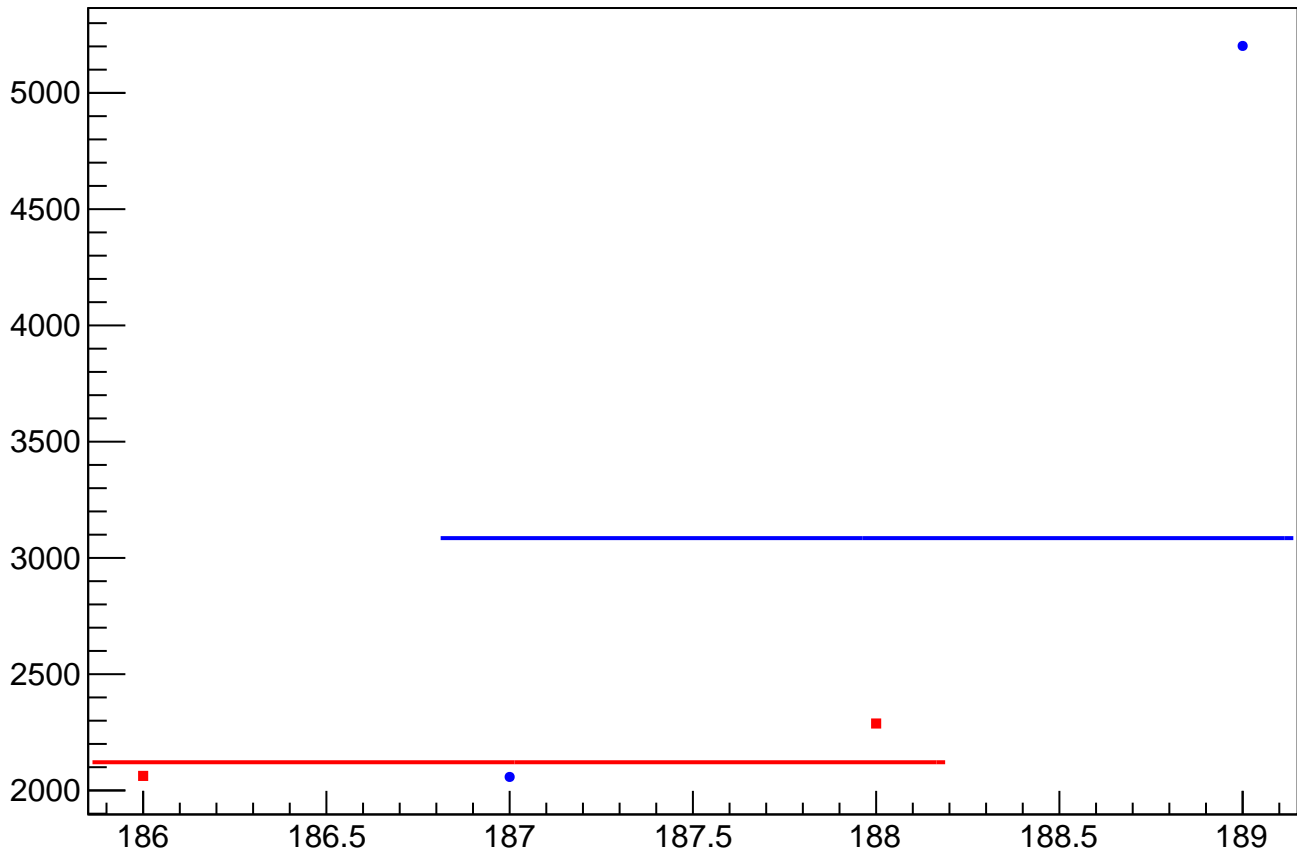
Right: -1509.789+/-2391.631  $\chi^2$ /NDF: 4.7/3

In: 5185.731+/-4343.257  $\chi^2$ /NDF:1.2/1

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

All: -1509.789+/-2391.631  $\chi^2$ /NDF: 4.7/3

# dit\_asym\_at2\_avg\_rms vs Slug, Sign Corrected



Right In: 3085.195+/-3.071  $\chi^2$ /NDF: 230518.3/1

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

Right Out: 2121.251+/-2.026  $\chi^2$ /NDF: 2384.3/1

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

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

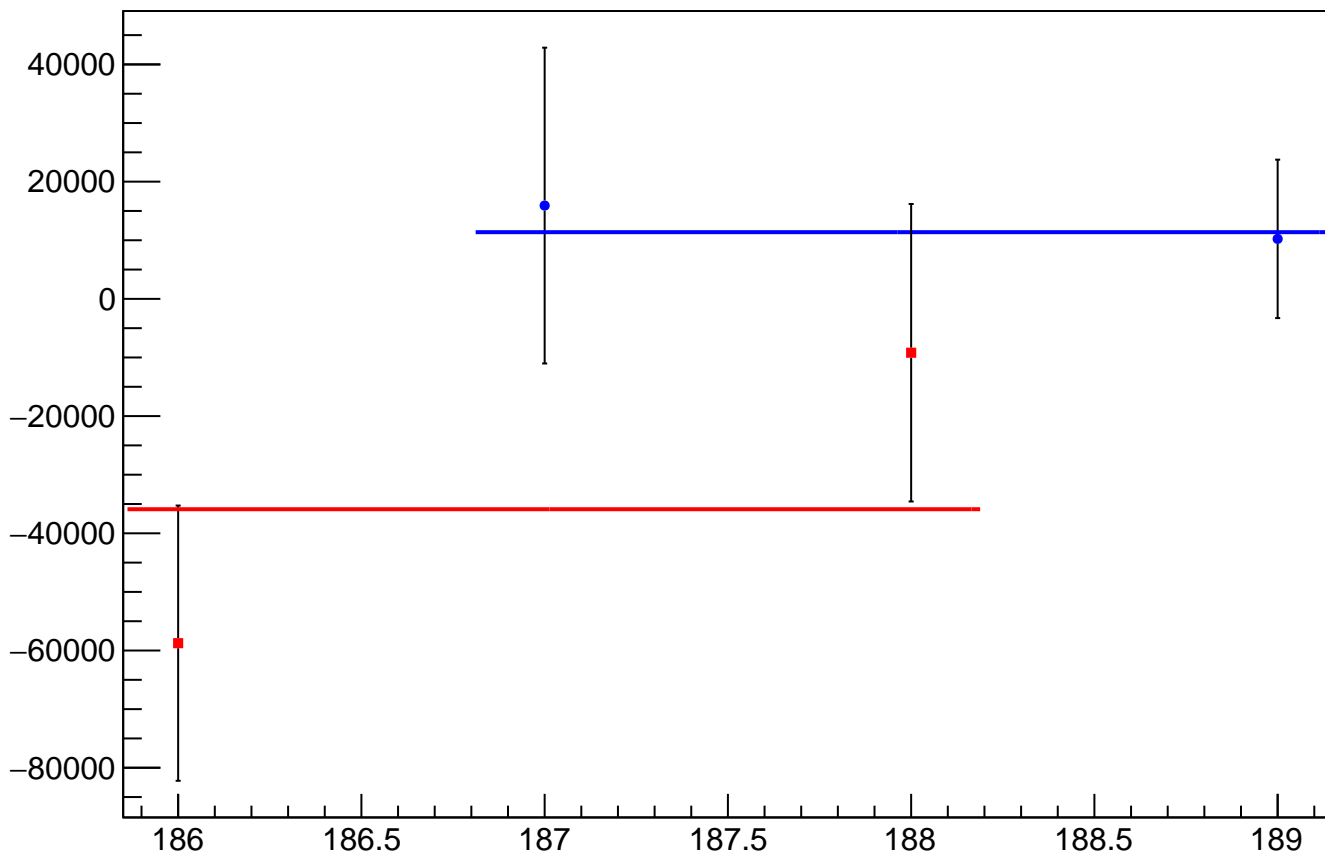
Right: 2413.537+/-1.691  $\chi^2$ /NDF: 301546.0/3

In: 3085.195+/-3.071  $\chi^2$ /NDF:230518.3/1

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

All: 2413.537+/-1.691  $\chi^2$ /NDF: 301546.0/3

asym\_at2\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 11378.835+/-12080.437  $\chi^2$ /NDF: 0.0/1

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

Right Out: -35890.716+/-17235.576  $\chi^2$ /NDF: 2.1/1

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

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

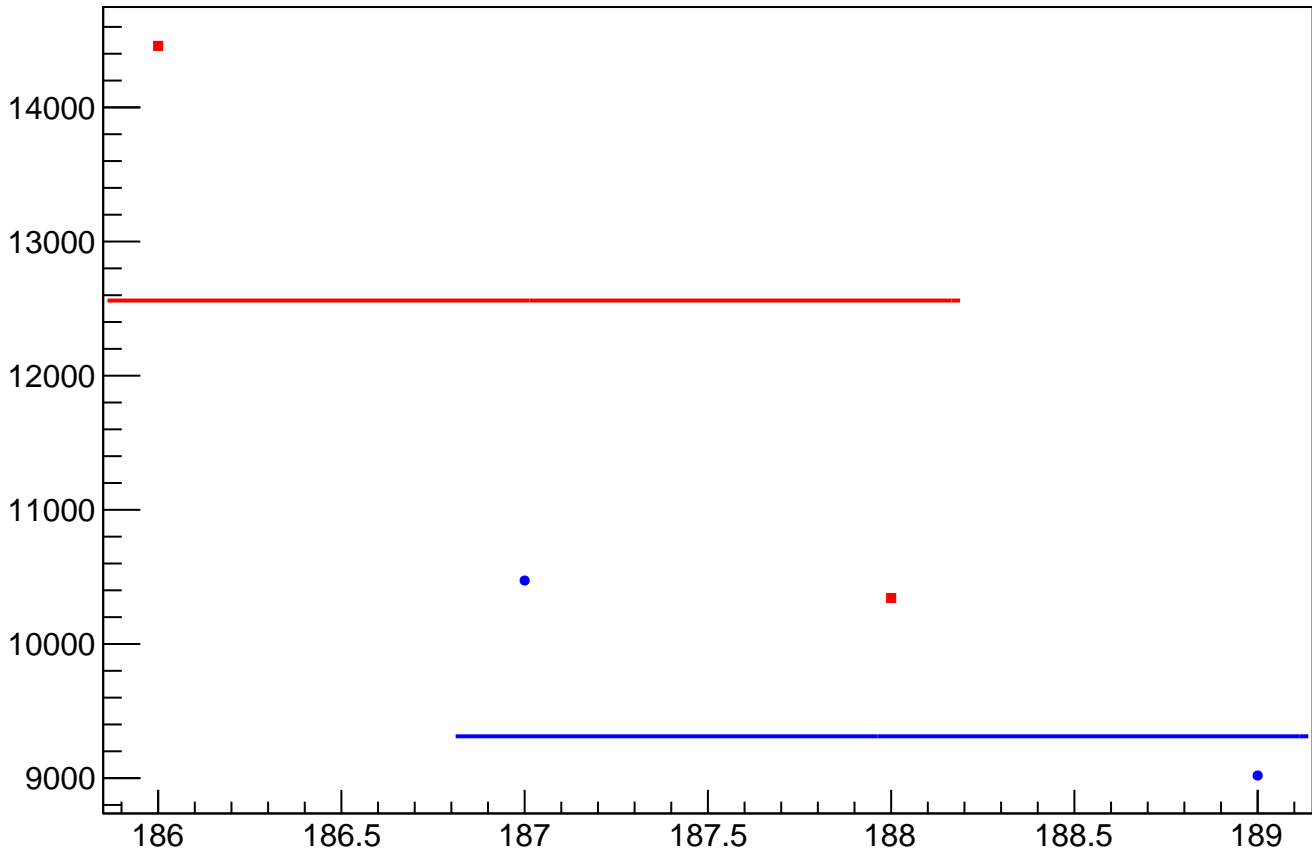
Right: -4193.045+/-9892.489  $\chi^2$ /NDF: 7.1/3

In: 11378.835+/-12080.437  $\chi^2$ /NDF:0.0/1

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

All: -4193.045+/-9892.489  $\chi^2$ /NDF: 7.1/3

# asym\_at2\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 9311.711+/-8.542  $\chi^2/\text{NDF}$ : 4651.5/1

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

Right Out: 12560.269+/-12.187  $\chi^2/\text{NDF}$ : 28338.1/1

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

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

Right: 10381.875+/-6.995  $\chi^2/\text{NDF}$ : 80633.3/3

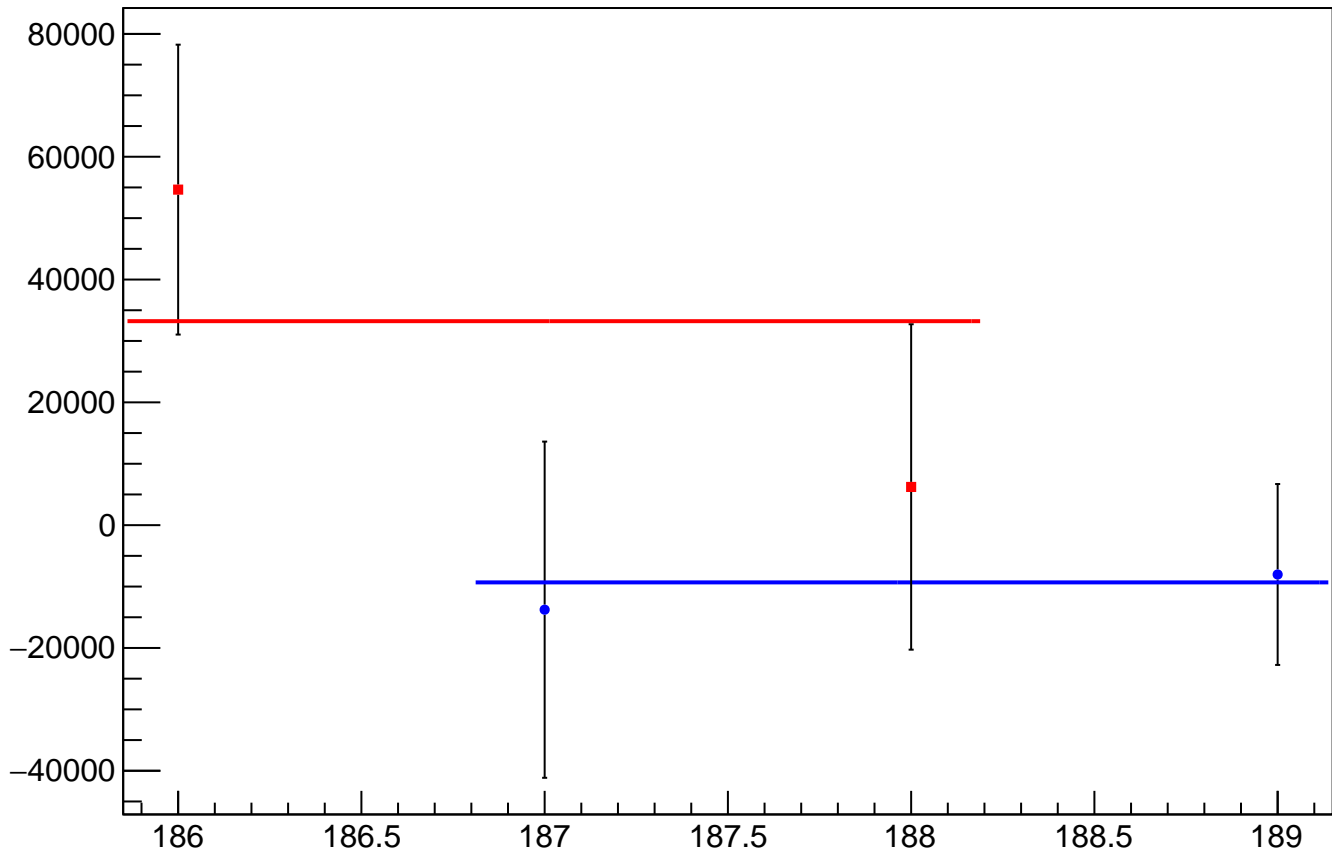
In: 9311.711+/-8.542  $\chi^2/\text{NDF}$ : 4651.5/1

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

All: 10381.875+/-6.995  $\chi^2/\text{NDF}$ : 80633.3/3



# asym\_at2\_avg\_mean vs Slug, Sign Corrected



Right In: -9321.236+/-12972.518  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: 33221.537+/-17626.684  $\chi^2/\text{NDF}$ : 1.9/1

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

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

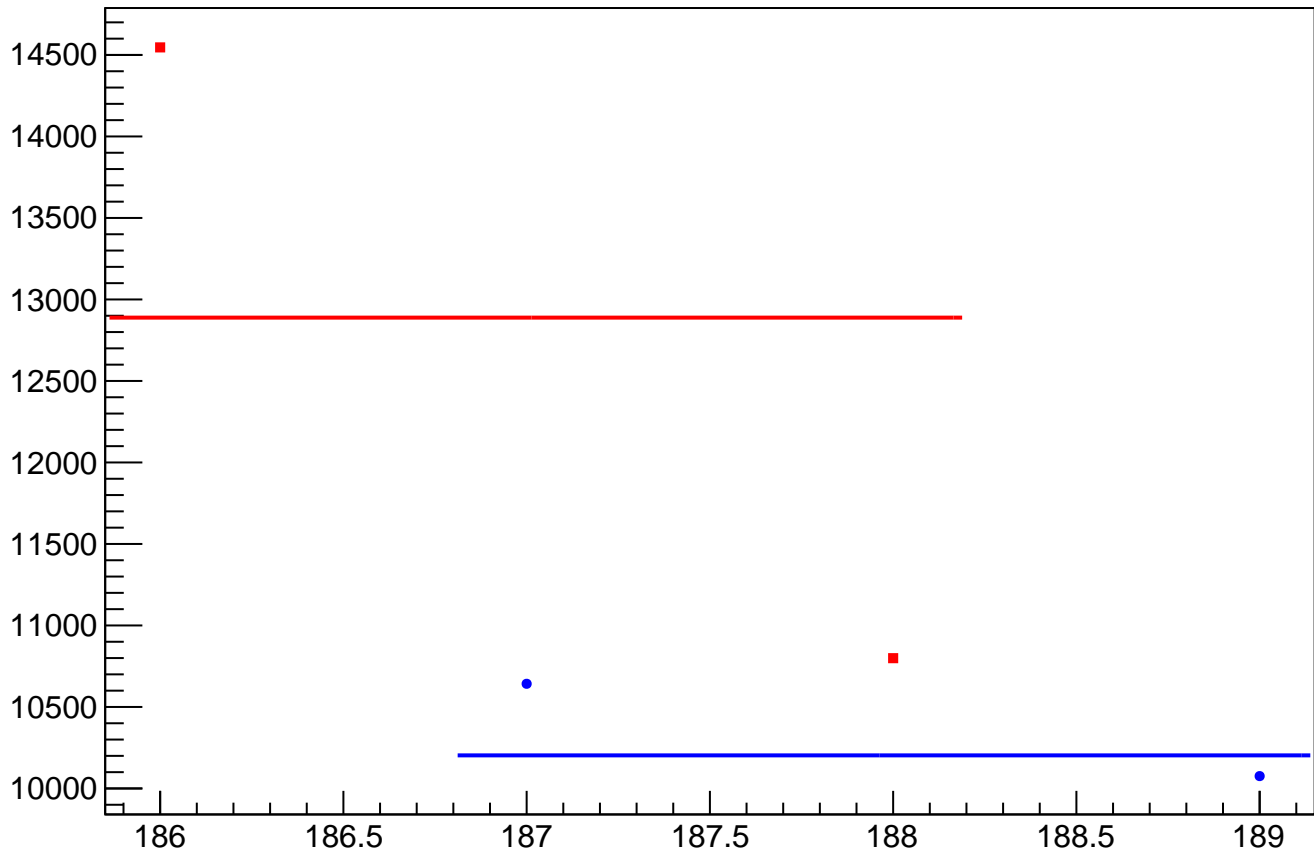
Right: 5625.671+/-10448.005  $\chi^2/\text{NDF}$ : 5.7/3

In: -9321.236+/-12972.518  $\chi^2/\text{NDF}$ :0.0/1

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

All: 5625.671+/-10448.005  $\chi^2/\text{NDF}$ : 5.7/3

# asym\_at2\_avg\_rms vs Slug, Sign Corrected



Right In: 10203.001+/-9.173  $\chi^2/\text{NDF}$ : 663.7/1

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

Right Out: 12888.547+/-12.464  $\chi^2/\text{NDF}$ : 22295.6/1

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

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

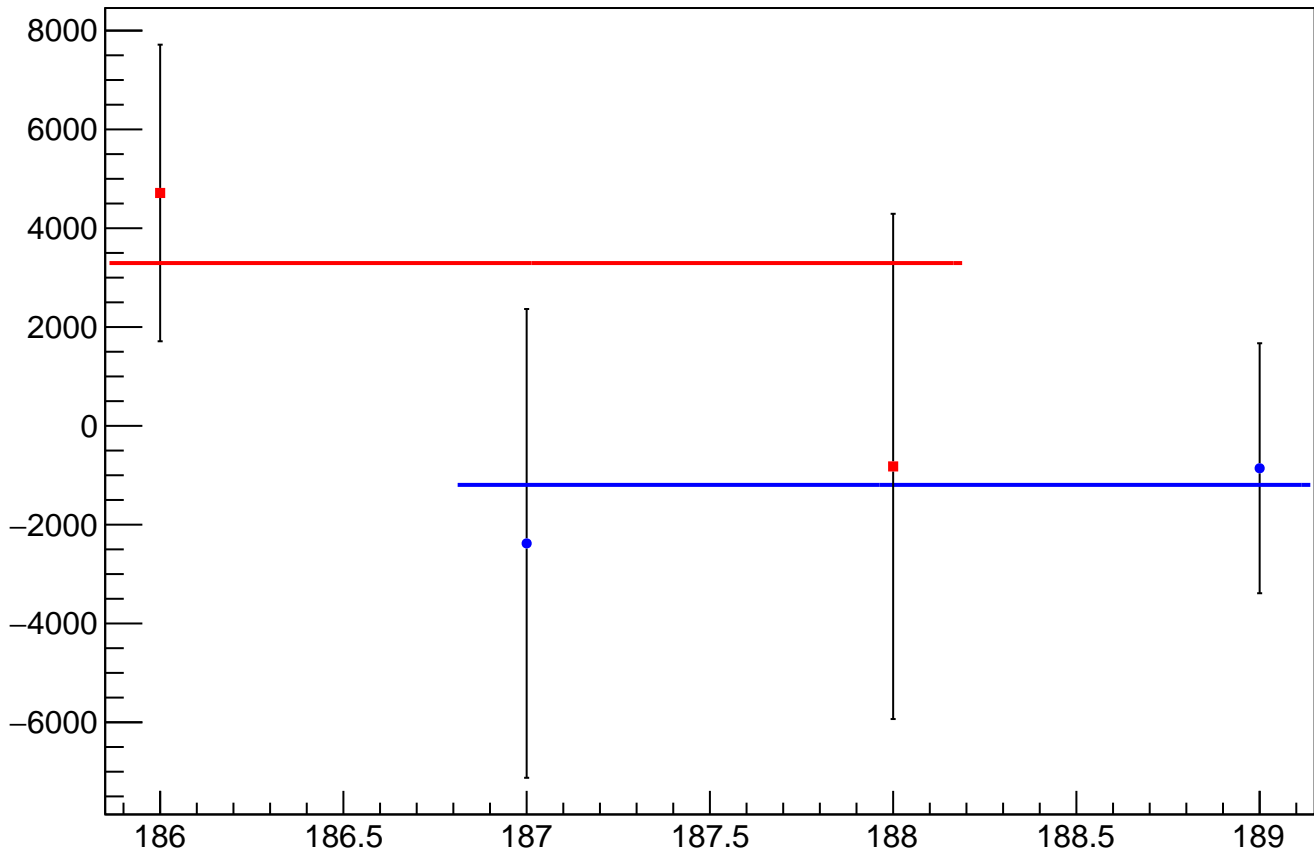
Right: 11146.536+/-7.388  $\chi^2/\text{NDF}$ : 53073.6/3

In: 10203.001+/-9.173  $\chi^2/\text{NDF}$ : 663.7/1

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

All: 11146.536+/-7.388  $\chi^2/\text{NDF}$ : 53073.6/3

# dit\_asym\_at2\_dd\_mean vs Slug, Sign Corrected



Right In:  $-1194.795 \pm 2232.275$   $\chi^2/\text{NDF}: 0.1/1$

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

Right Out:  $3294.981 \pm 2588.568$   $\chi^2/\text{NDF}: 0.9/1$

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

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

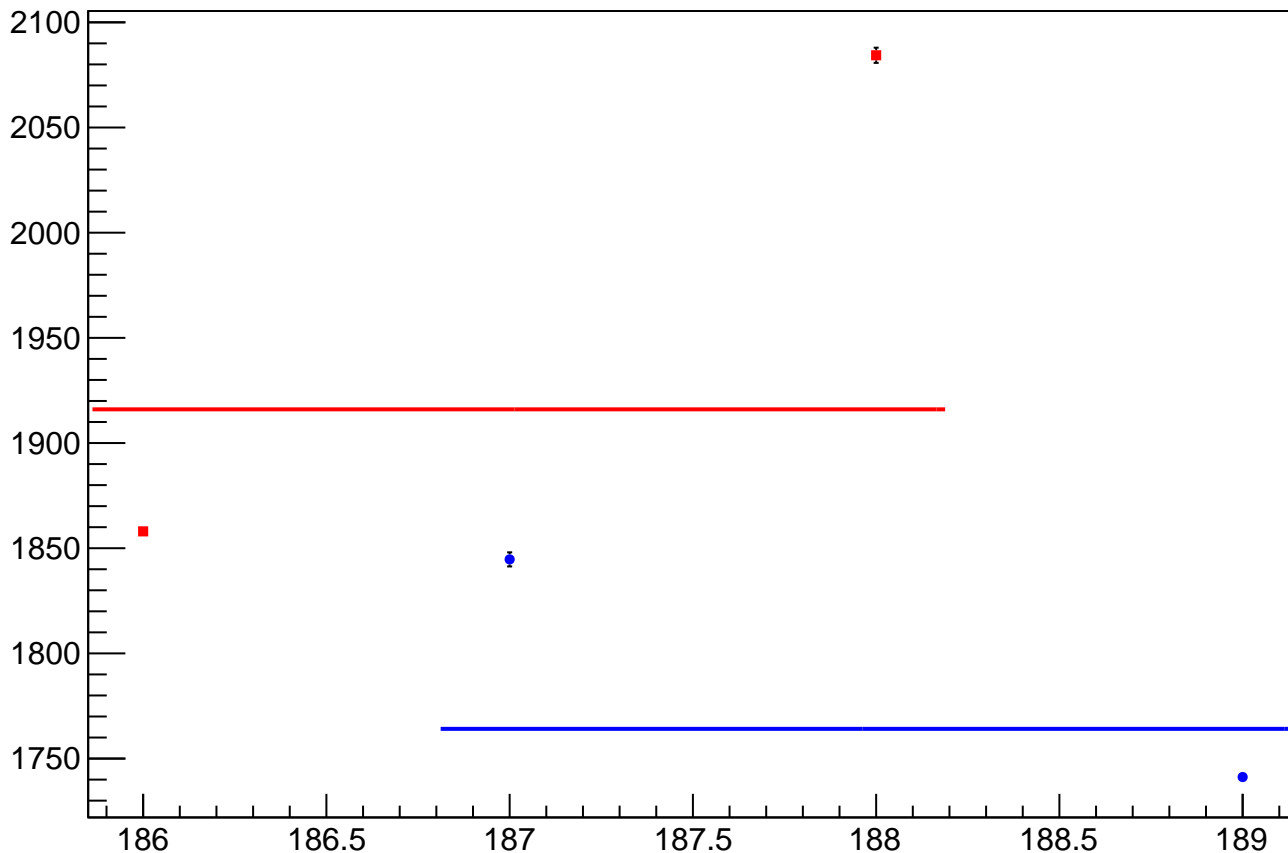
Right:  $720.071 \pm 1690.505$   $\chi^2/\text{NDF}: 2.7/3$

In:  $-1194.795 \pm 2232.275$   $\chi^2/\text{NDF}: 0.1/1$

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

All:  $720.071 \pm 1690.505$   $\chi^2/\text{NDF}: 2.7/3$

# dit\_asym\_at2\_dd\_rms vs Slug, Sign Corrected



Right In: 1764.131+/-1.578  $\chi^2/\text{NDF}$ : 740.7/1

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

Right Out: 1916.020+/-1.830  $\chi^2/\text{NDF}$ : 2914.4/1

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

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

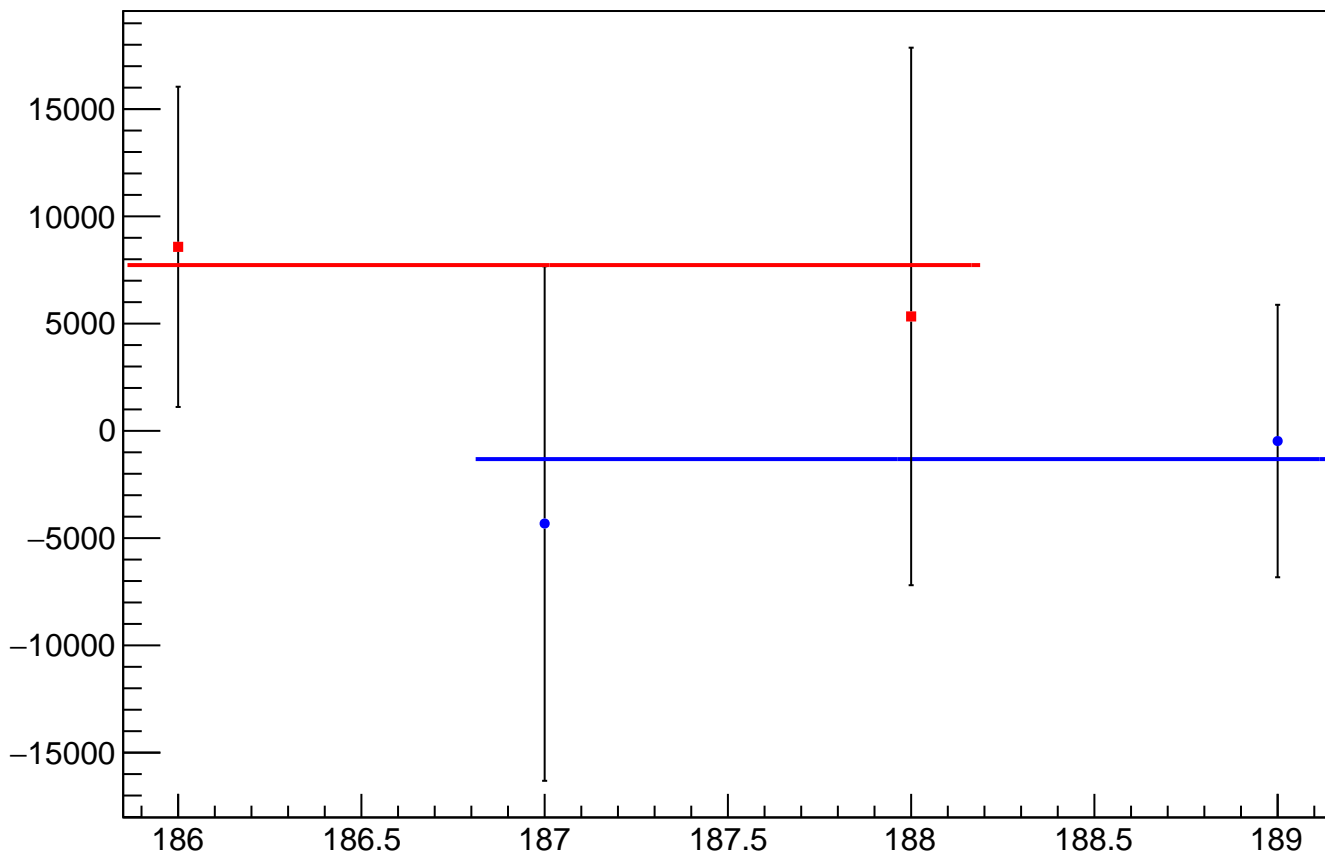
Right: 1828.911+/-1.195  $\chi^2/\text{NDF}$ : 7604.2/3

In: 1764.131+/-1.578  $\chi^2/\text{NDF}$ : 740.7/1

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

All: 1828.911+/-1.195  $\chi^2/\text{NDF}$ : 7604.2/3

# asym\_at2\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -1316.235+/-5612.362  $\chi^2$ /NDF: 0.1/1

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

Right Out: 7728.727+/-6412.805  $\chi^2$ /NDF: 0.0/1

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

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

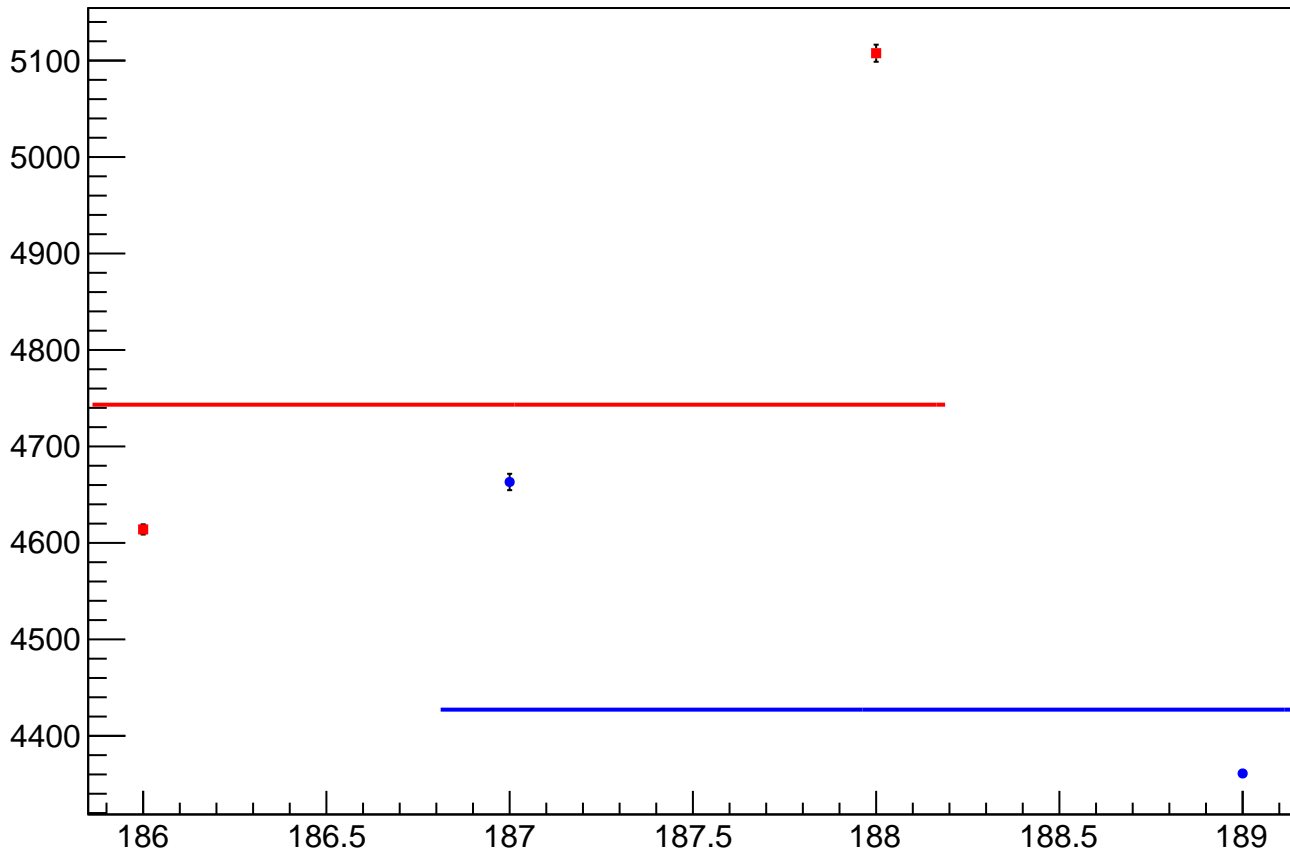
Right: 2606.833+/-4223.355  $\chi^2$ /NDF: 1.3/3

In: -1316.235+/-5612.362  $\chi^2$ /NDF:0.1/1

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

All: 2606.833+/-4223.355  $\chi^2$ /NDF: 1.3/3

# asym\_at2\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 4427.182+/-3.969  $\chi^2$ /NDF: 991.4/1

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

Right Out: 4743.297+/-4.535  $\chi^2$ /NDF: 2291.1/1

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

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

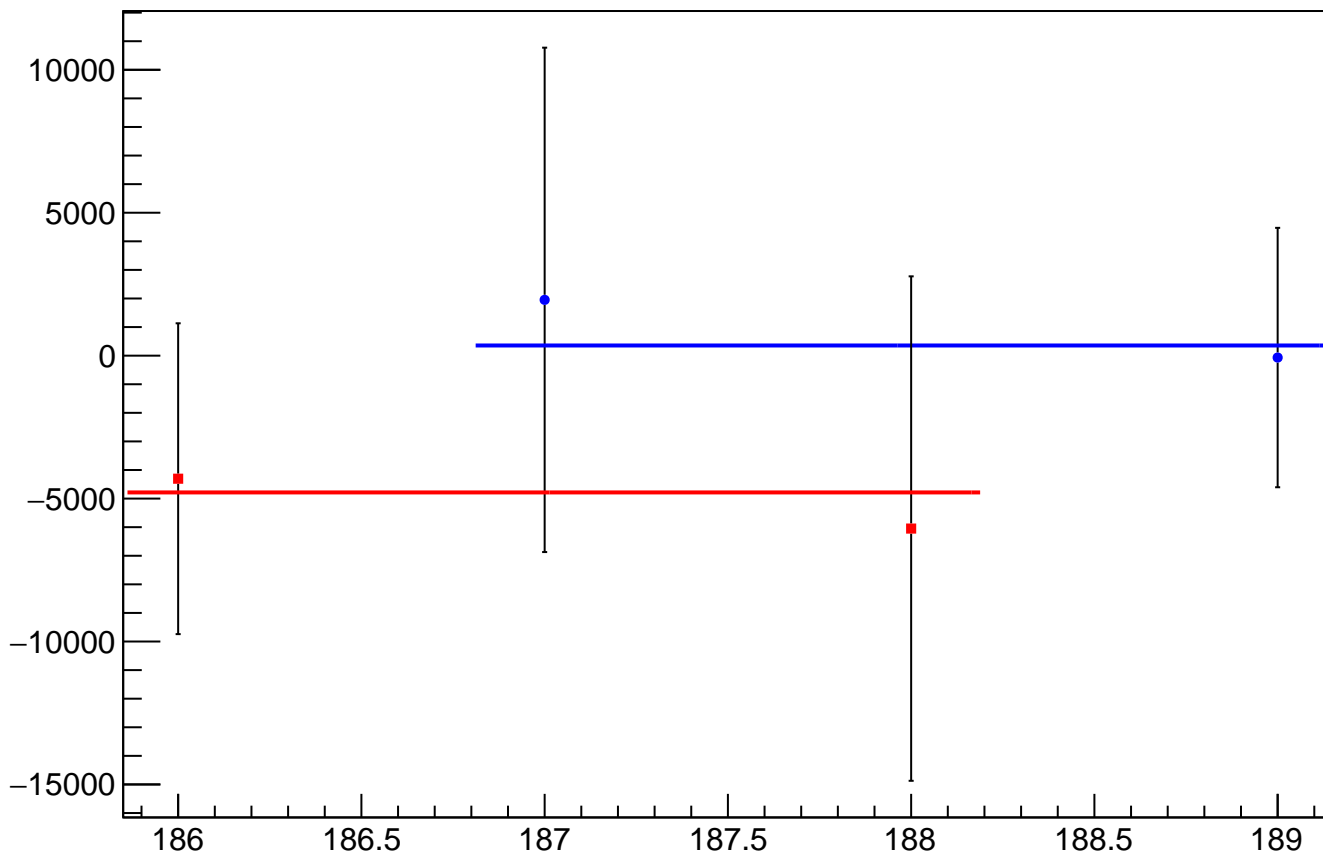
Right: 4564.290+/-2.986  $\chi^2$ /NDF: 6034.6/3

In: 4427.182+/-3.969  $\chi^2$ /NDF:991.4/1

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

All: 4564.290+/-2.986  $\chi^2$ /NDF: 6034.6/3

# asym\_at2\_dd\_mean vs Slug, Sign Corrected



Right In: 355.977+/-4035.027  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: -4784.524+/-4628.689  $\chi^2/\text{NDF}$ : 0.0/1

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

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

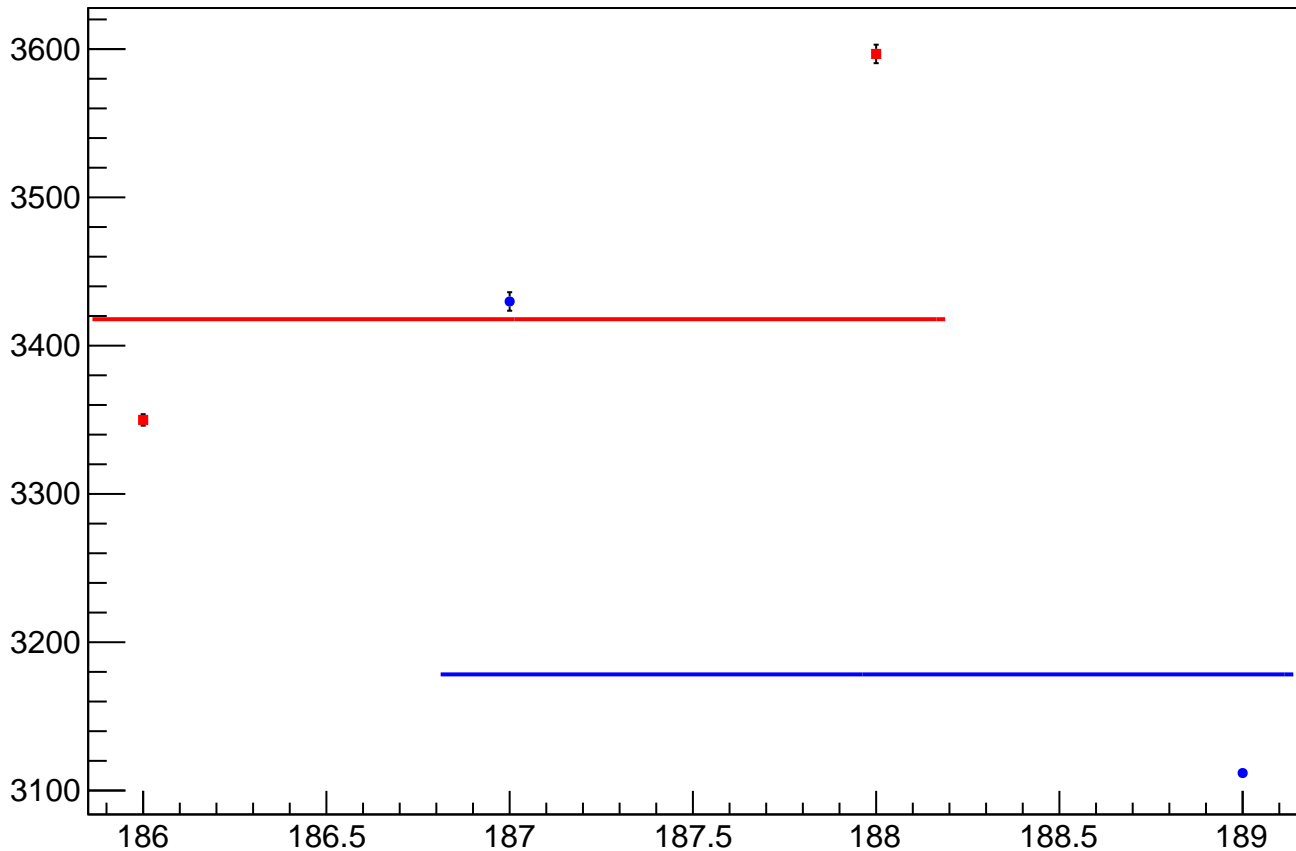
Right: -1863.678+/-3041.572  $\chi^2/\text{NDF}$ : 0.8/3

In: 355.977+/-4035.027  $\chi^2/\text{NDF}$ : 0.0/1

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

All: -1863.678+/-3041.572  $\chi^2/\text{NDF}$ : 0.8/3

# asym\_at2\_dd\_rms vs Slug, Sign Corrected



Right In: 3178.304+/-2.853  $\chi^2$ /NDF: 2055.1/1

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

Right Out: 3417.845+/-3.273  $\chi^2$ /NDF: 1134.3/1

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

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

Right: 3281.737+/-2.151  $\chi^2$ /NDF: 6232.9/3

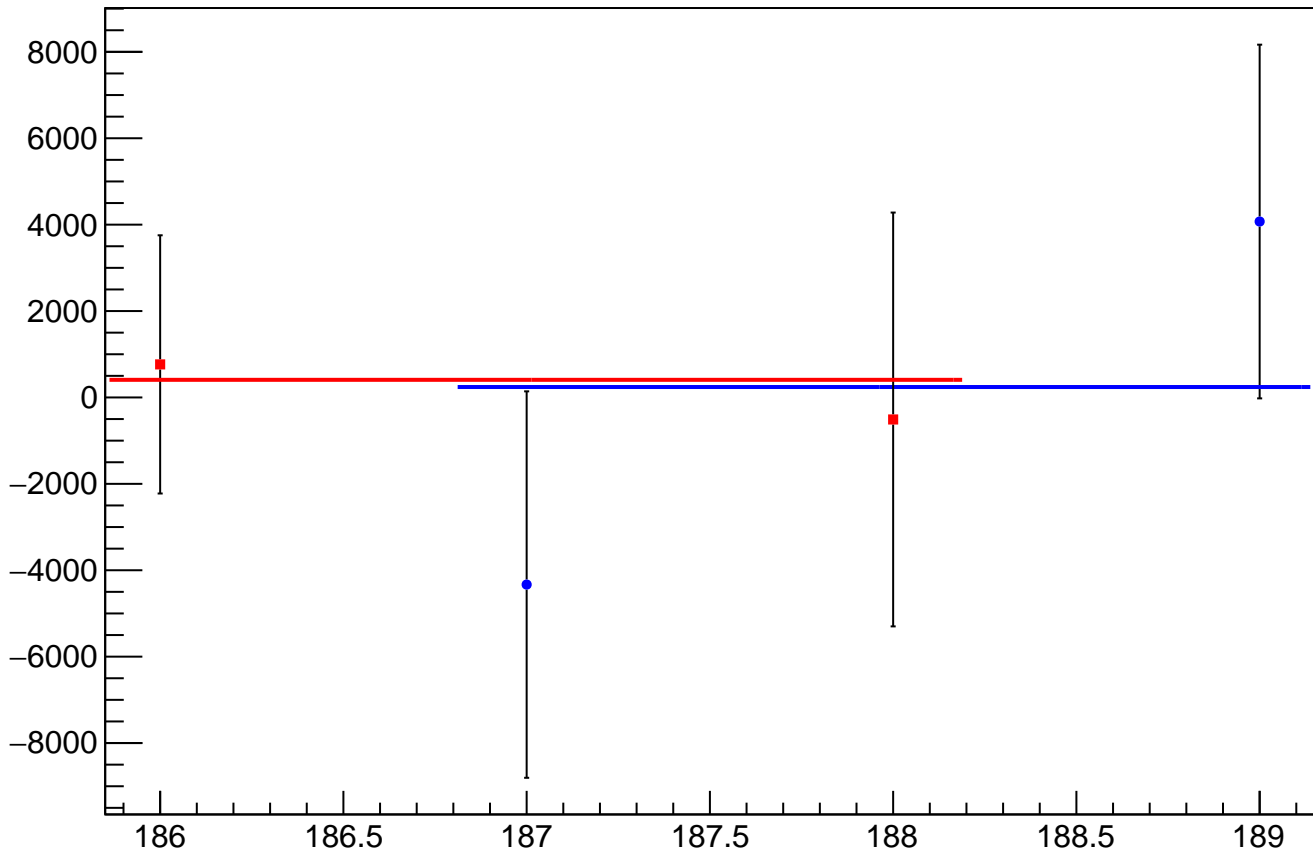
In: 3178.304+/-2.853  $\chi^2$ /NDF:2055.1/1

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

All: 3281.737+/-2.151  $\chi^2$ /NDF: 6232.9/3



# dit\_asym\_atl\_avg\_mean vs Slug, Sign Corrected



Right In: 241.393+/-3019.919  $\chi^2$ /NDF: 1.9/1

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

Right Out: 407.940+/-2535.517  $\chi^2$ /NDF: 0.1/1

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

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

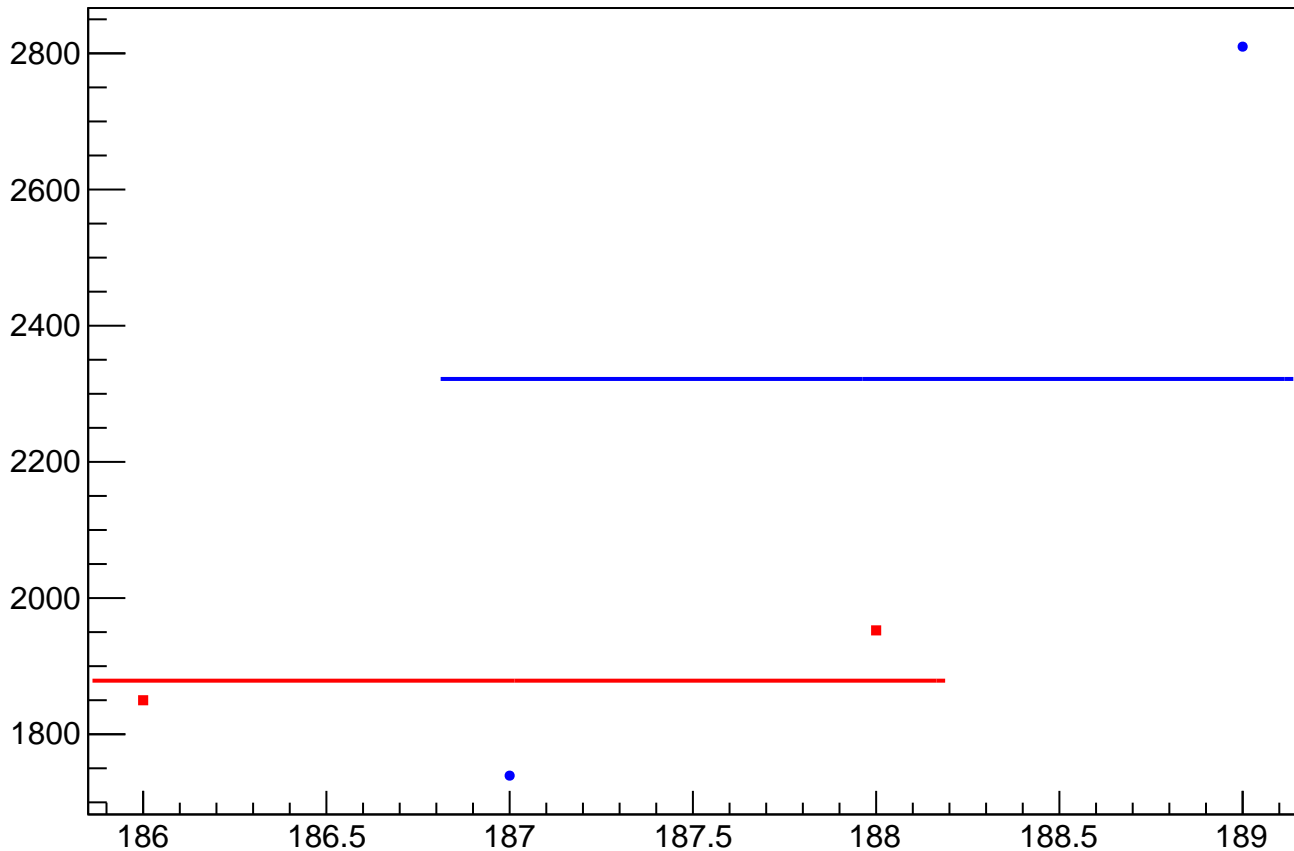
Right: 339.079+/-1941.842  $\chi^2$ /NDF: 2.0/3

In: 241.393+/-3019.919  $\chi^2$ /NDF:1.9/1

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

All: 339.079+/-1941.842  $\chi^2$ /NDF: 2.0/3

# dit\_asym\_atl\_avg\_rms vs Slug, Sign Corrected



Right In: 2321.805+/-2.135  $\chi^2/\text{NDF}$ : 62356.1/1

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

Right Out: 1878.695+/-1.793  $\chi^2/\text{NDF}$ : 660.8/1

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

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

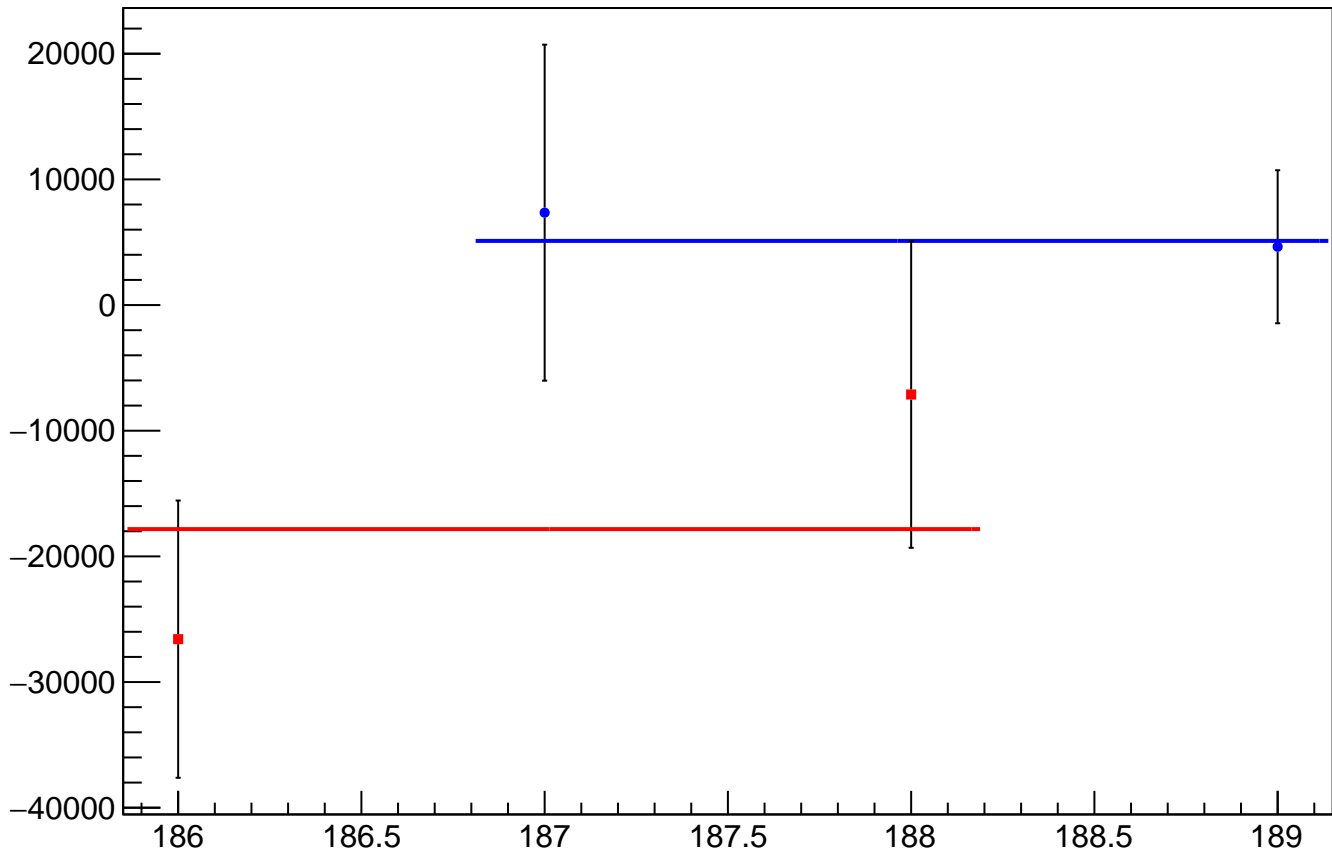
Right: 2061.905+/-1.373  $\chi^2/\text{NDF}$ : 88272.5/3

In: 2321.805+/-2.135  $\chi^2/\text{NDF}$ :62356.1/1

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

All: 2061.905+/-1.373  $\chi^2/\text{NDF}$ : 88272.5/3

# asym\_atl\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 5105.415+/-5540.530  $\chi^2$ /NDF: 0.0/1

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

Right Out: -17828.845+/-8182.294  $\chi^2$ /NDF: 1.4/1

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

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

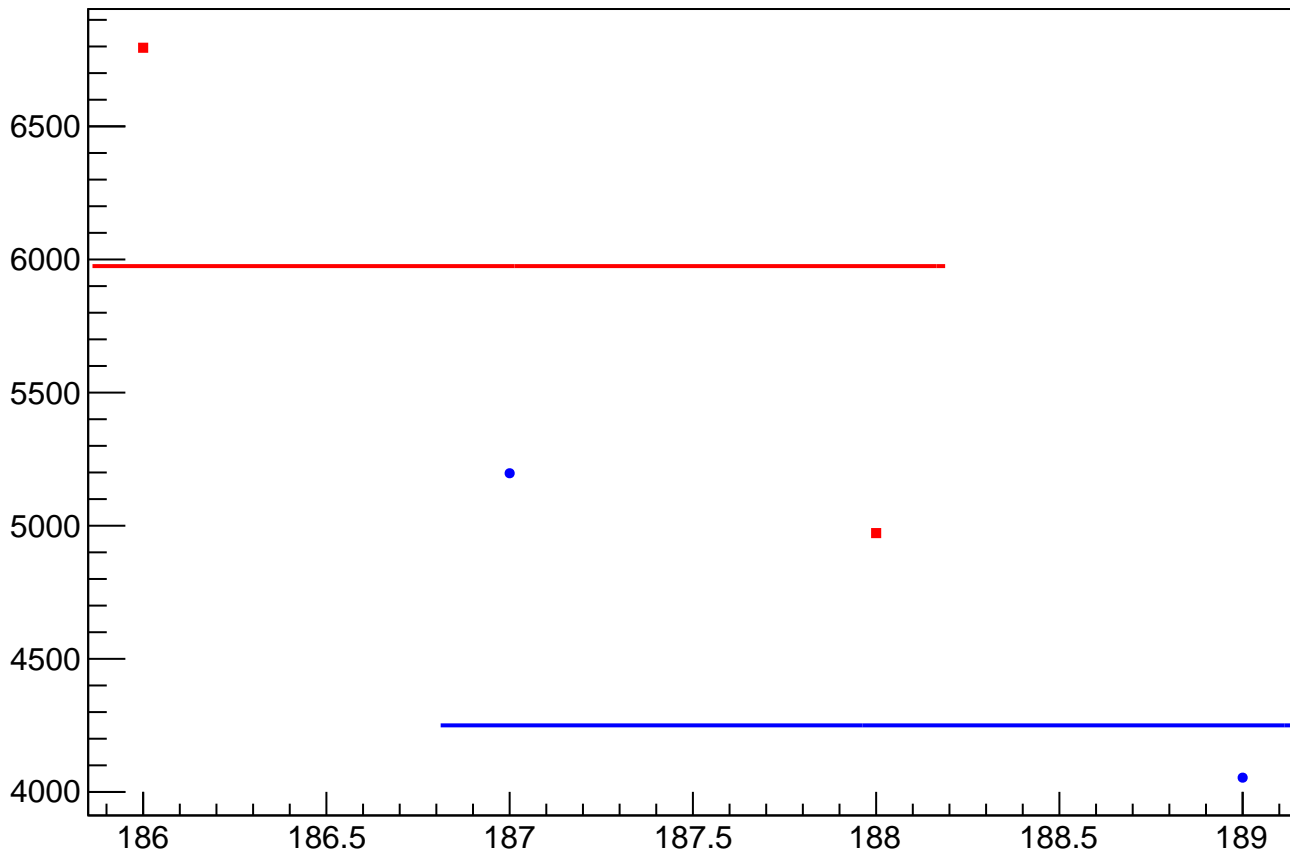
Right: -2104.443+/-4587.711  $\chi^2$ /NDF: 6.8/3

In: 5105.415+/-5540.530  $\chi^2$ /NDF:0.0/1

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

All: -2104.443+/-4587.711  $\chi^2$ /NDF: 6.8/3

# asym\_atl\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 4250.151+/-3.918  $\chi^2$ /NDF: 12116.0/1

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

Right Out: 5975.119+/-5.786  $\chi^2$ /NDF: 24568.3/1

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

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

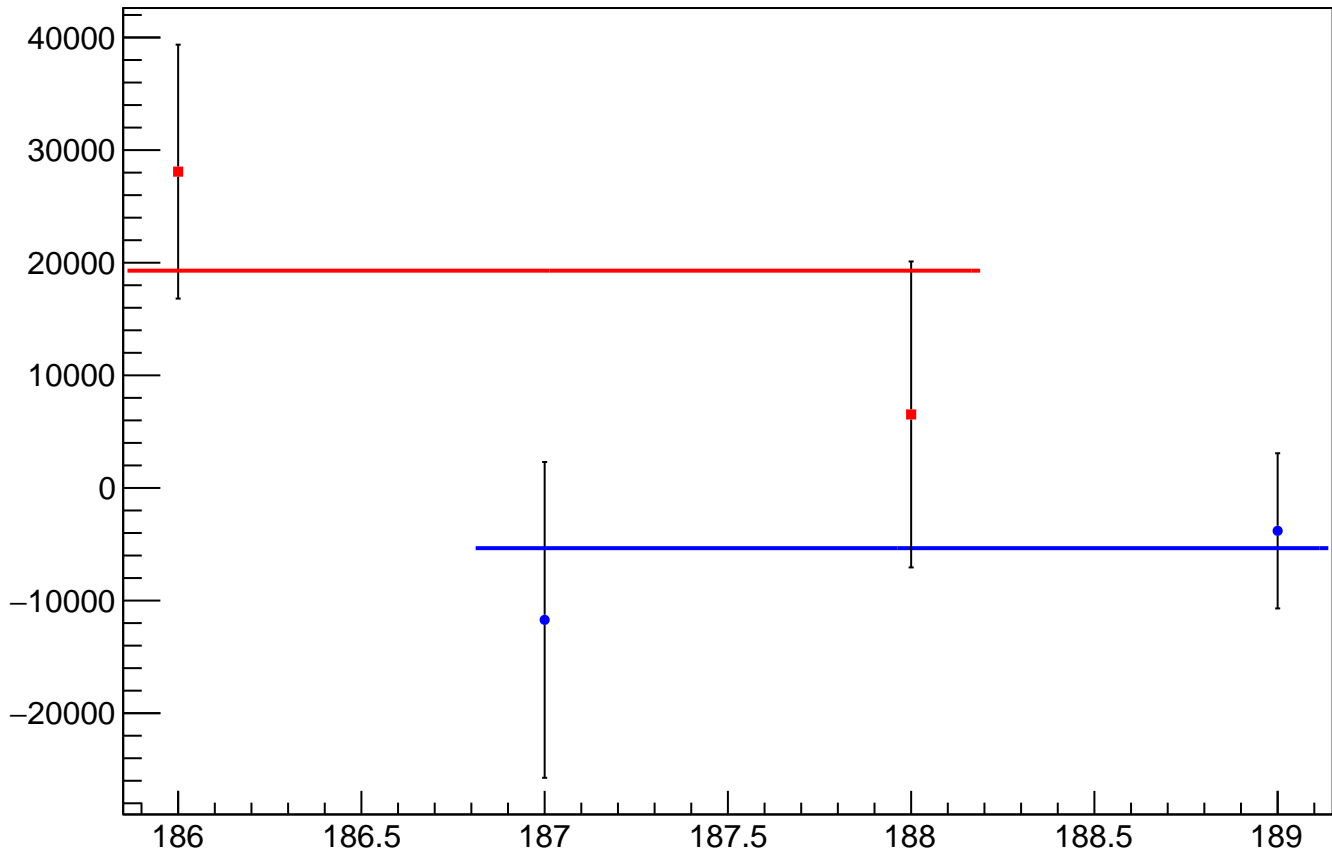
Right: 4792.430+/-3.244  $\chi^2$ /NDF: 97628.4/3

In: 4250.151+/-3.918  $\chi^2$ /NDF:12116.0/1

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

All: 4792.430+/-3.244  $\chi^2$ /NDF: 97628.4/3

# asym\_atl\_avg\_mean vs Slug, Sign Corrected



Right In: -5345.848+/-6184.126  $\chi^2$ /NDF: 0.3/1

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

Right Out: 19296.215+/-8674.993  $\chi^2$ /NDF: 1.5/1

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

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

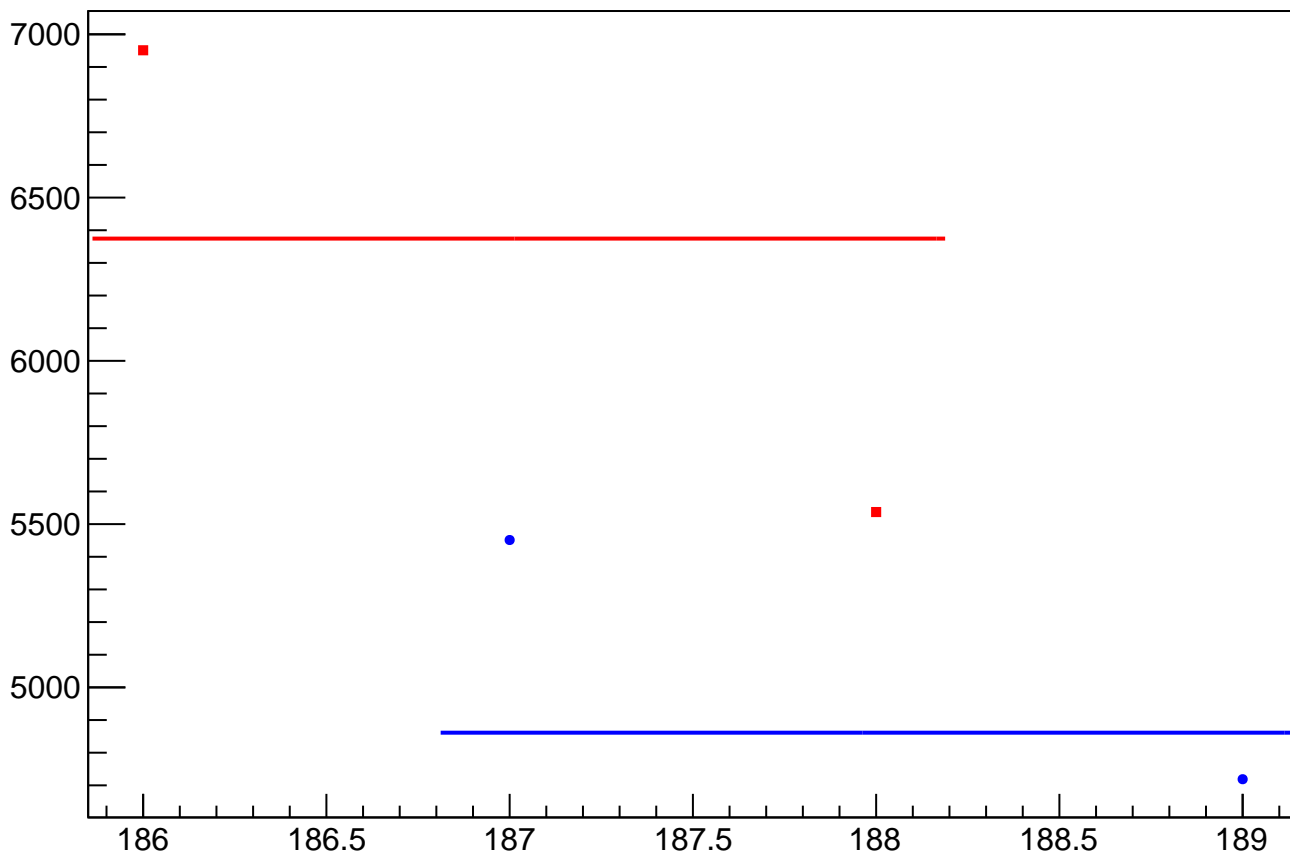
Right: 2957.285+/-5035.604  $\chi^2$ /NDF: 7.1/3

In: -5345.848+/-6184.126  $\chi^2$ /NDF:0.3/1

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

All: 2957.285+/-5035.604  $\chi^2$ /NDF: 7.1/3

# asym\_atl\_avg\_rms vs Slug, Sign Corrected



Right In: 4861.293+/-4.373  $\chi^2$ /NDF: 4396.7/1

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

Right Out: 6374.412+/-6.134  $\chi^2$ /NDF: 12835.0/1

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

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

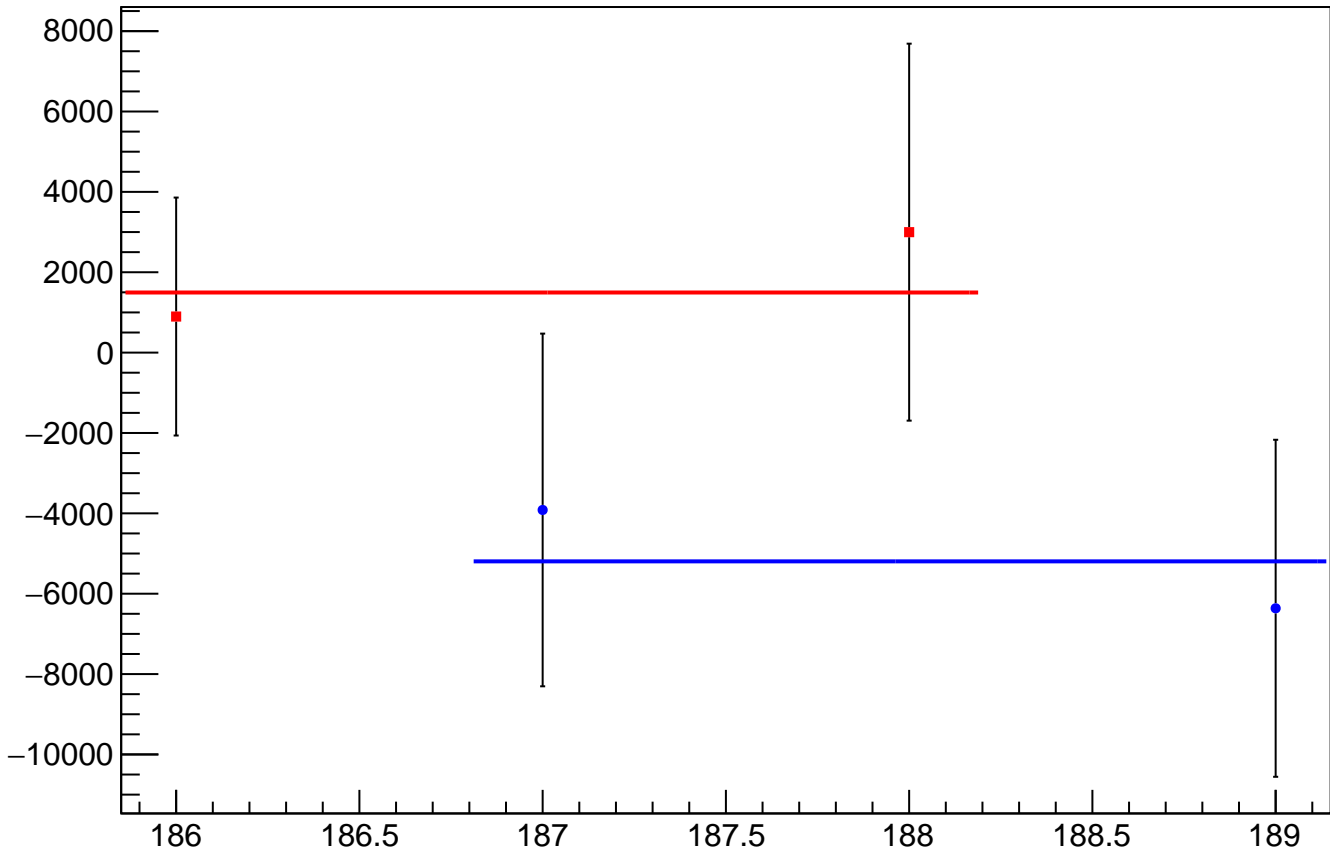
Right: 5371.138+/-3.561  $\chi^2$ /NDF: 57576.2/3

In: 4861.293+/-4.373  $\chi^2$ /NDF:4396.7/1

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

All: 5371.138+/-3.561  $\chi^2$ /NDF: 57576.2/3

# dit\_asym\_atl\_dd\_mean vs Slug, Sign Corrected



Right In:  $-5194.915 \pm 3031.921$   $\chi^2/\text{NDF}: 0.2/1$

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

Right Out:  $1495.852 \pm 2503.769$   $\chi^2/\text{NDF}: 0.1/1$

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

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

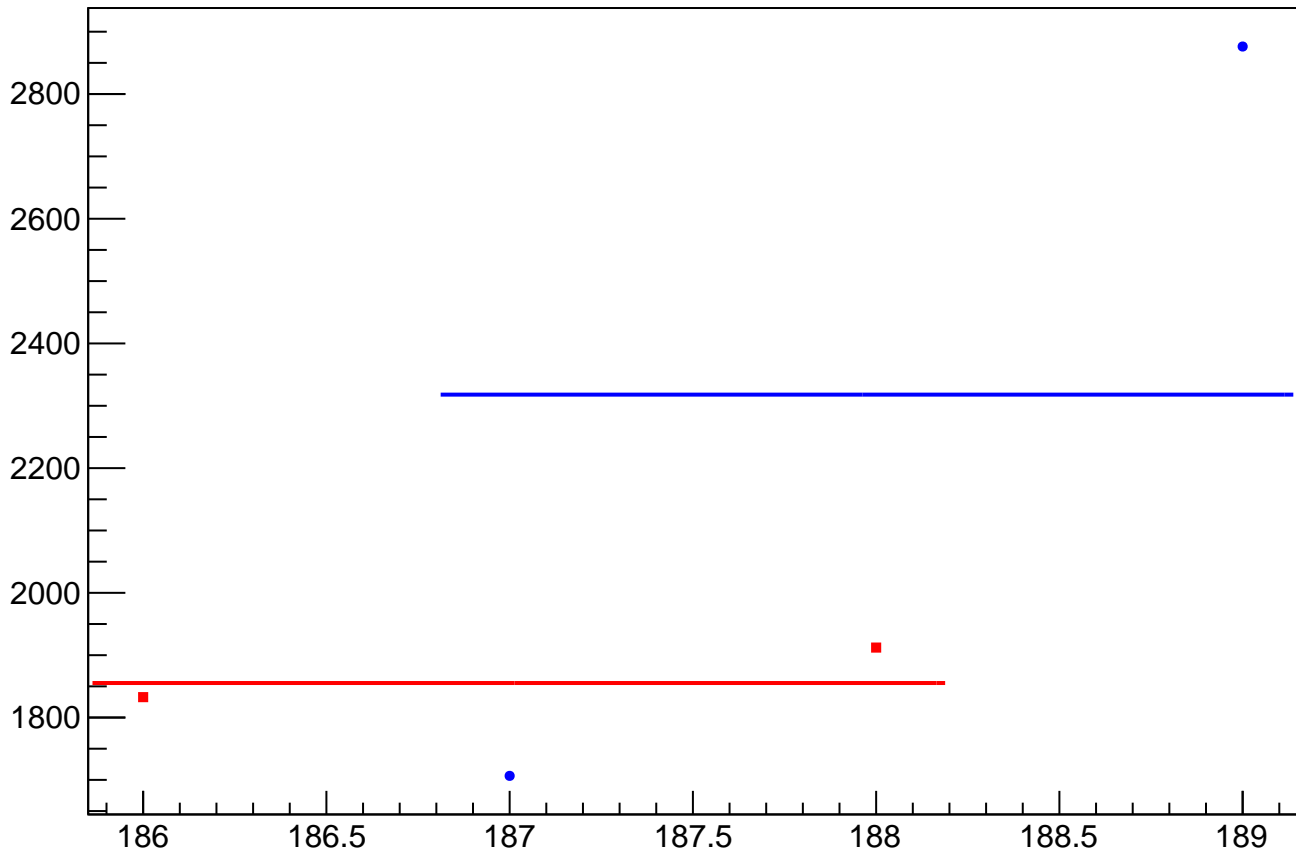
Right:  $-1216.933 \pm 1930.579$   $\chi^2/\text{NDF}: 3.2/3$

In:  $-5194.915 \pm 3031.921$   $\chi^2/\text{NDF}: 0.2/1$

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

All:  $-1216.933 \pm 1930.579$   $\chi^2/\text{NDF}: 3.2/3$

# dit\_asym\_atl\_dd\_rms vs Slug, Sign Corrected



Right In: 2317.905+/-2.144  $\chi^2$ /NDF: 74276.1/1

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

Right Out: 1855.363+/-1.770  $\chi^2$ /NDF: 410.7/1

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

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

Right: 2042.902+/-1.365  $\chi^2$ /NDF: 102361.6/3

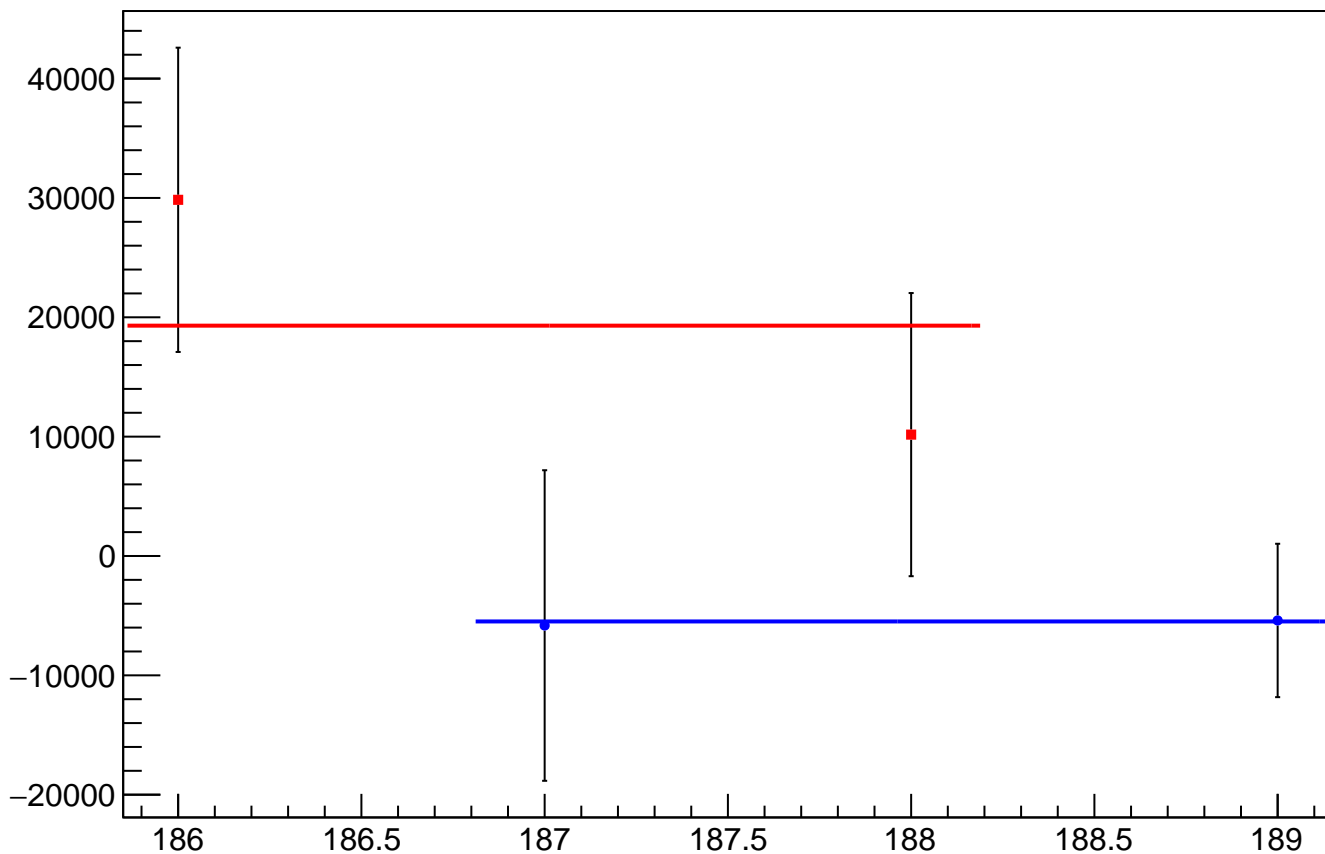
In: 2317.905+/-2.144  $\chi^2$ /NDF:74276.1/1

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

All: 2042.902+/-1.365  $\chi^2$ /NDF: 102361.6/3



# asym\_atl\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -5484.696+/-5761.284  $\chi^2$ /NDF: 0.0/1

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

Right Out: 19299.198+/-8684.217  $\chi^2$ /NDF: 1.3/1

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

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

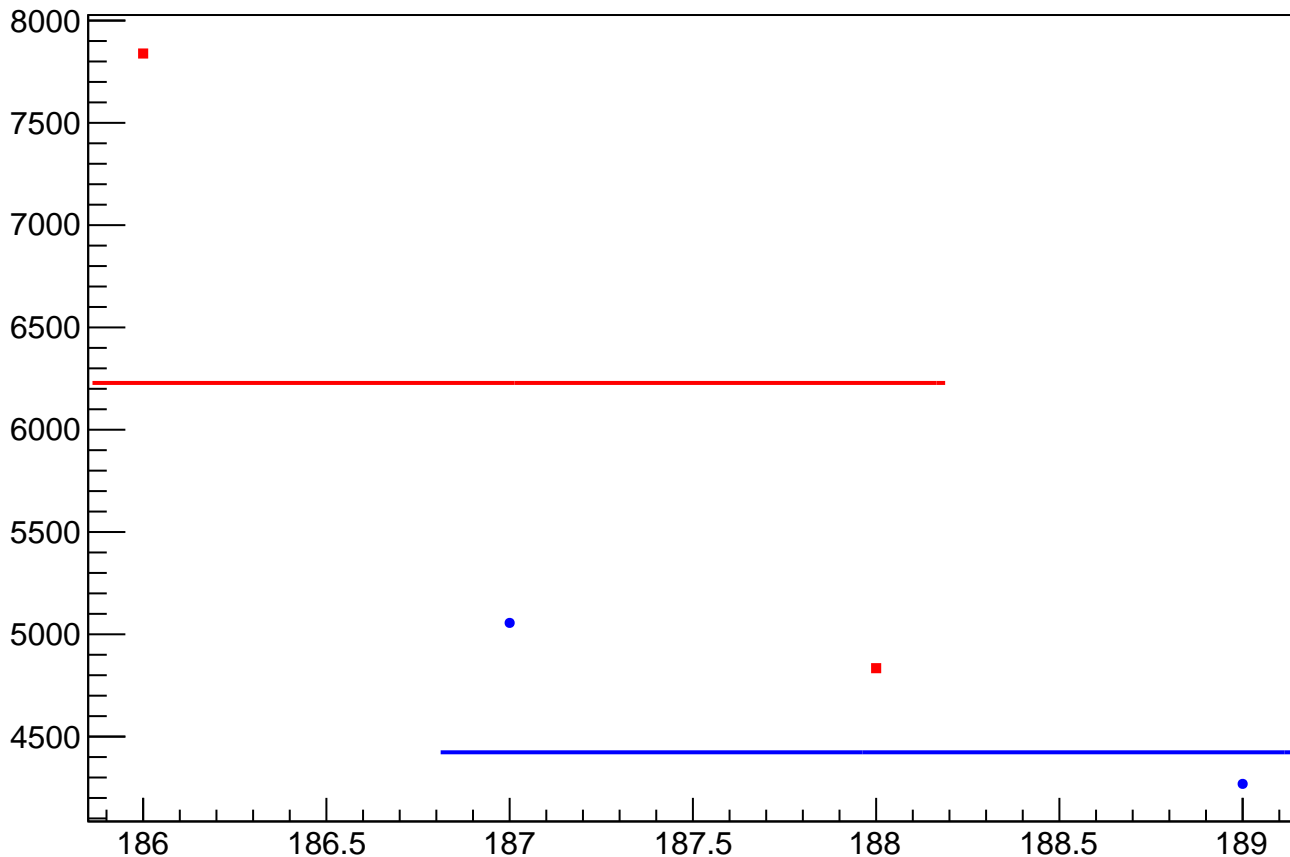
Right: 2089.668+/-4800.859  $\chi^2$ /NDF: 6.9/3

In: -5484.696+/-5761.284  $\chi^2$ /NDF:0.0/1

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

All: 2089.668+/-4800.859  $\chi^2$ /NDF: 6.9/3

# asym\_atl\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 4423.226+/-4.074  $\chi^2/\text{NDF}$ : 5881.1/1

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

Right Out: 6228.687+/-6.141  $\chi^2/\text{NDF}$ : 59538.5/1

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

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

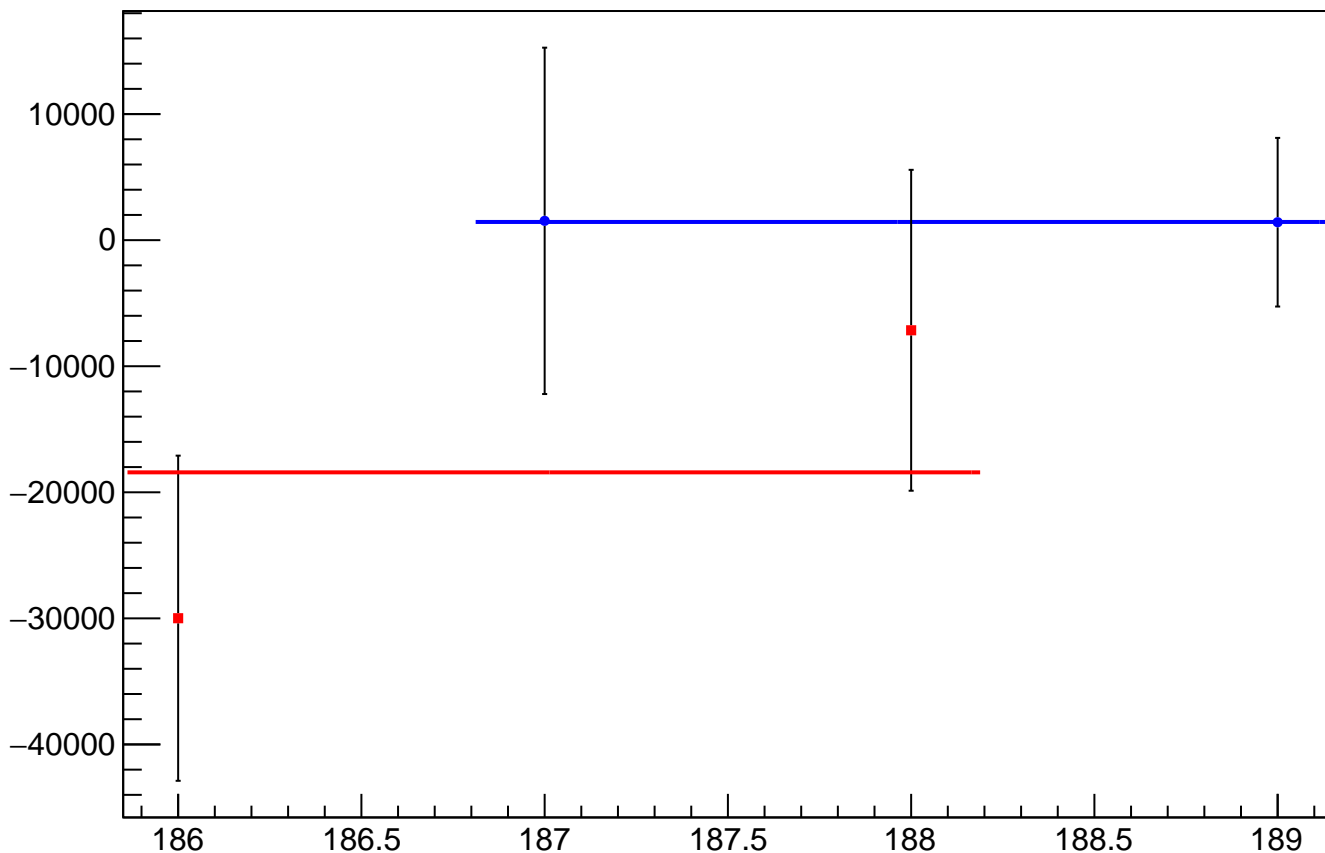
Right: 4975.005+/-3.395  $\chi^2/\text{NDF}$ : 125446.3/3

In: 4423.226+/-4.074  $\chi^2/\text{NDF}$ :5881.1/1

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

All: 4975.005+/-3.395  $\chi^2/\text{NDF}$ : 125446.3/3

# asym\_atl\_dd\_mean vs Slug, Sign Corrected



Right In: 1443.539+/-6013.592  $\chi^2$ /NDF: 0.0/1

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

Right Out: -18418.188+/-9058.388  $\chi^2$ /NDF: 1.6/1

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

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

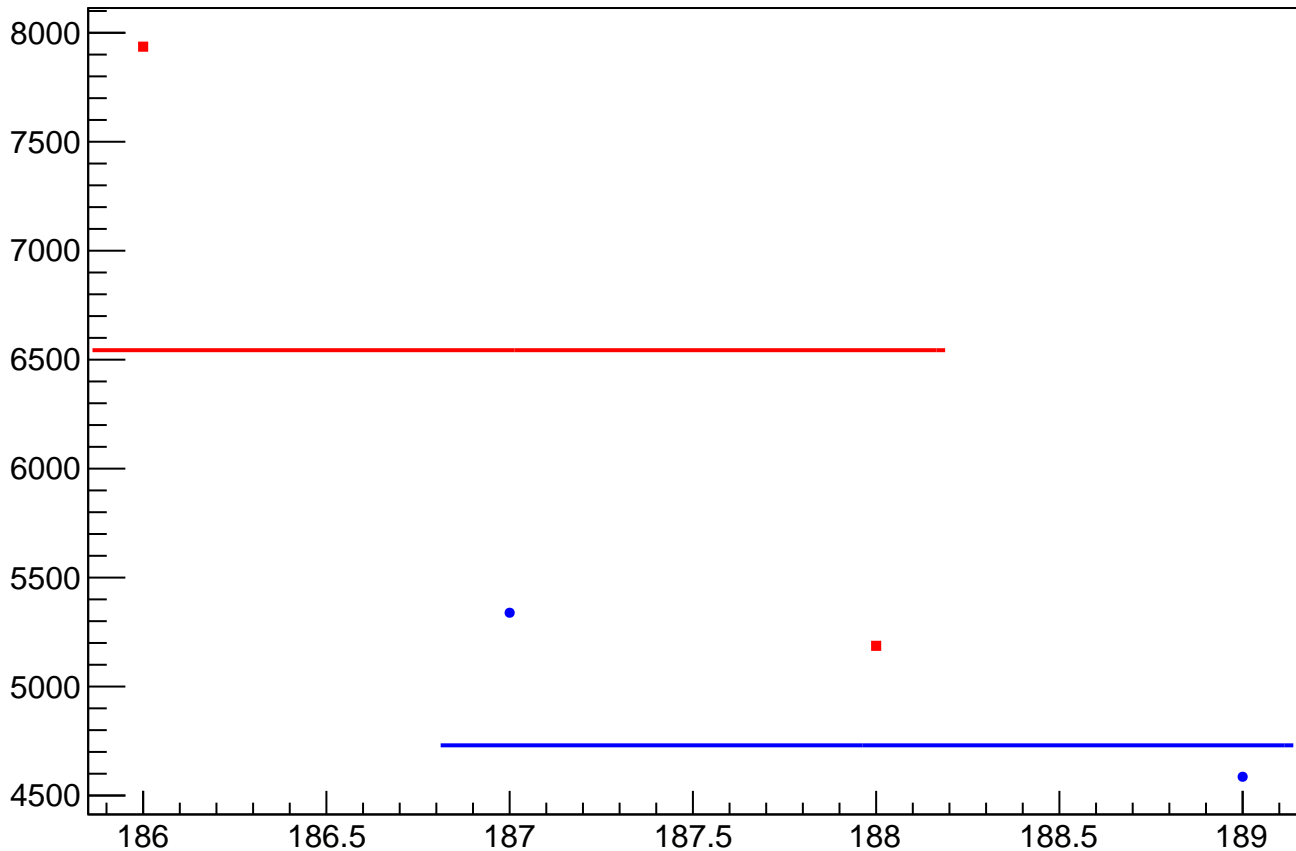
Right: -4632.248+/-5010.068  $\chi^2$ /NDF: 4.9/3

In: 1443.539+/-6013.592  $\chi^2$ /NDF:0.0/1

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

All: -4632.248+/-5010.068  $\chi^2$ /NDF: 4.9/3

# asym\_atl\_dd\_rms vs Slug, Sign Corrected



Right In: 4730.262+/-4.252  $\chi^2$ /NDF: 4854.0/1

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

Right Out: 6543.482+/-6.405  $\chi^2$ /NDF: 46055.1/1

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

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

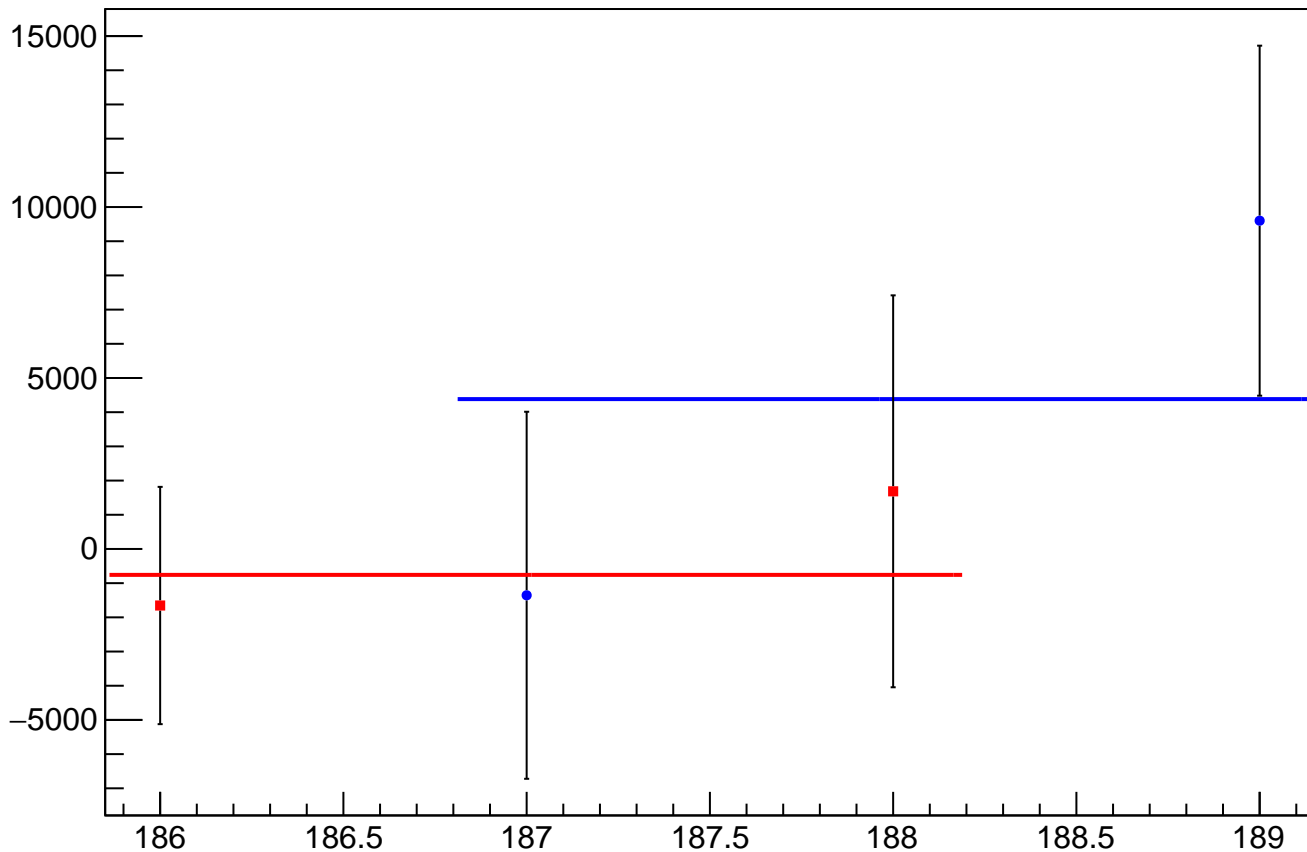
Right: 5284.934+/-3.543  $\chi^2$ /NDF: 106531.4/3

In: 4730.262+/-4.252  $\chi^2$ /NDF:4854.0/1

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

All: 5284.934+/-3.543  $\chi^2$ /NDF: 106531.4/3

# dit\_asym\_atr\_avg\_mean vs Slug, Sign Corrected



Right In: 4382.815+/-3704.163  $\chi^2$ /NDF: 2.2/1

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

Right Out: -757.915+/-2968.127  $\chi^2$ /NDF: 0.2/1

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

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

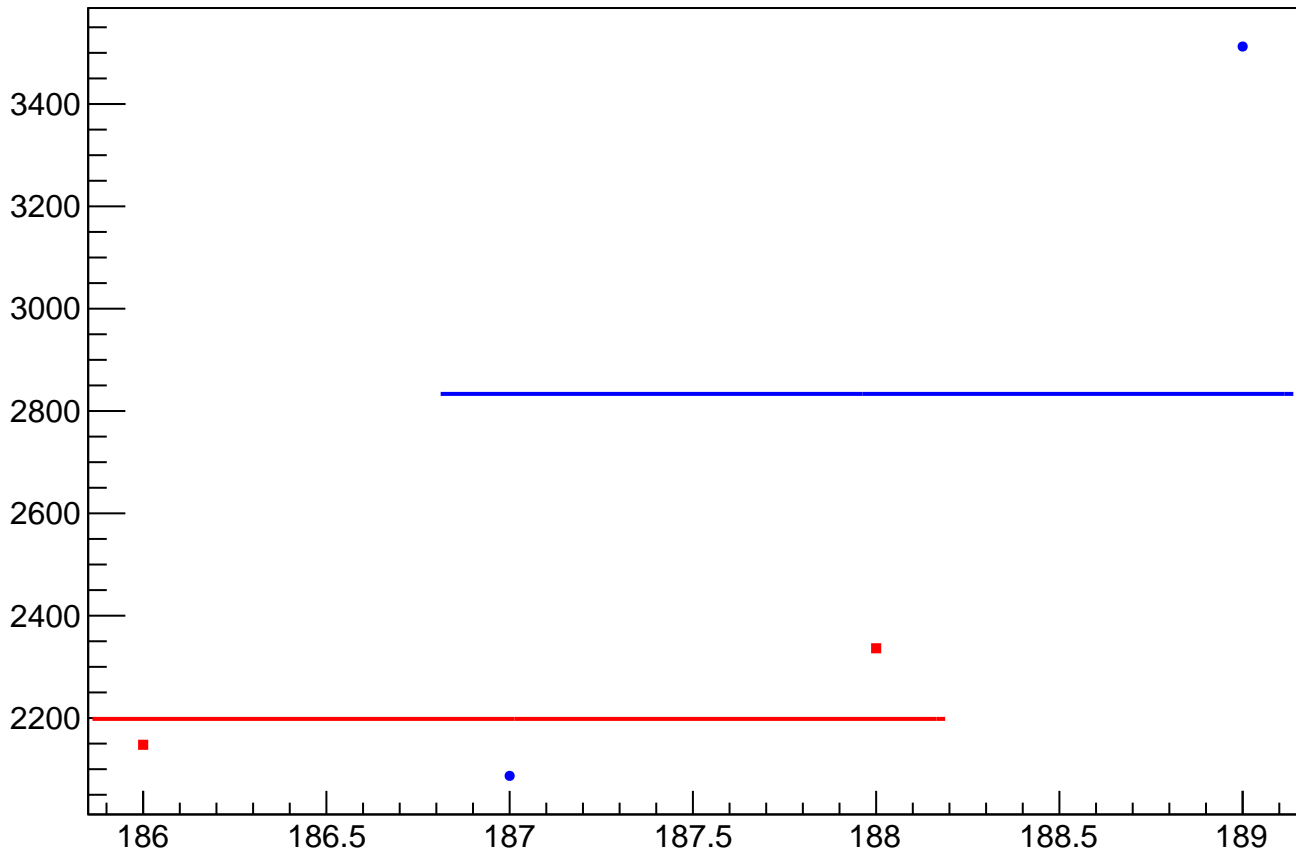
Right: 1252.181+/-2316.254  $\chi^2$ /NDF: 3.6/3

In: 4382.815+/-3704.163  $\chi^2$ /NDF:2.2/1

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

All: 1252.181+/-2316.254  $\chi^2$ /NDF: 3.6/3

# dit\_asym\_atr\_avg\_rms vs Slug, Sign Corrected



Right In: 2833.456+/-2.619  $\chi^2$ /NDF: 73874.7/1

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

Right Out: 2198.285+/-2.099  $\chi^2$ /NDF: 1585.2/1

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

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

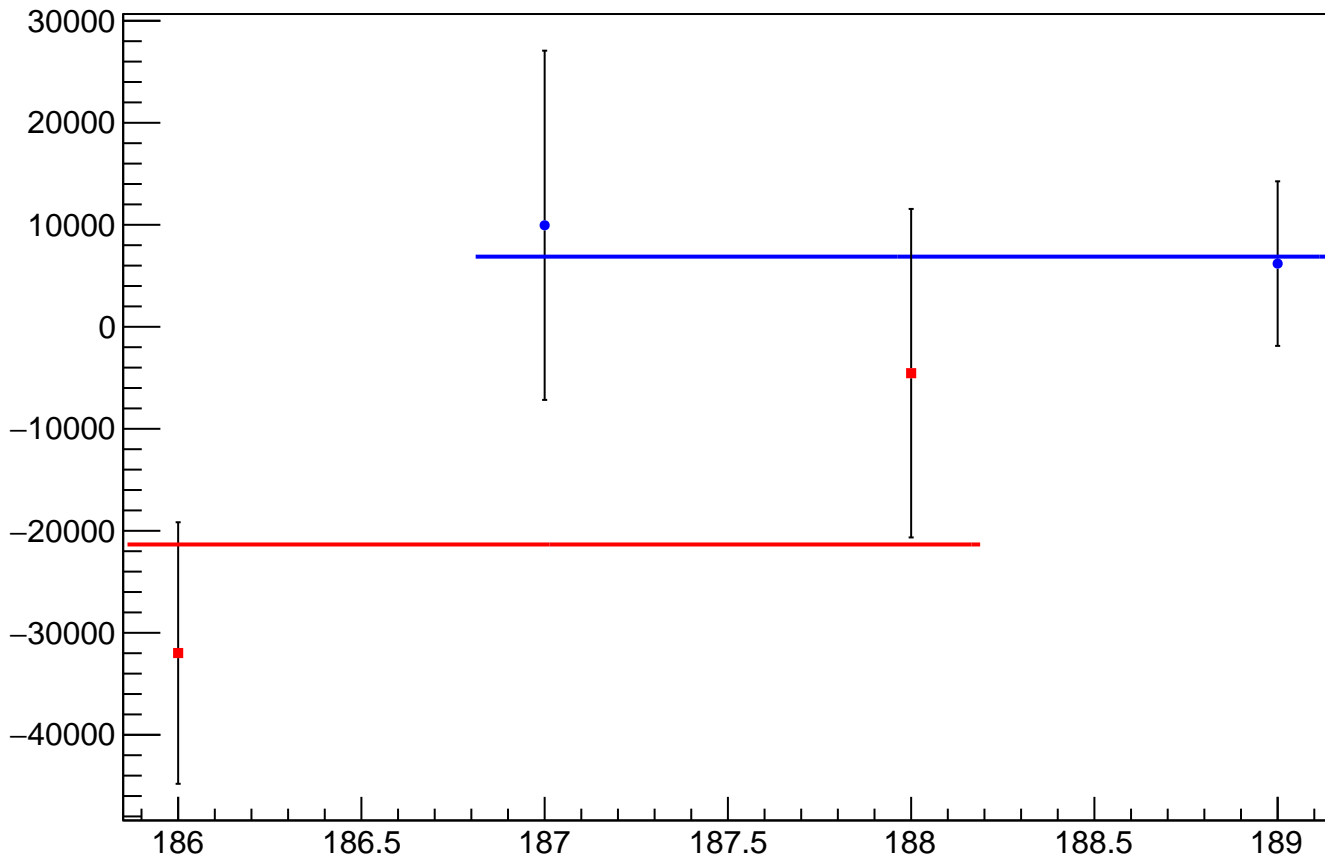
Right: 2446.646+/-1.638  $\chi^2$ /NDF: 111272.7/3

In: 2833.456+/-2.619  $\chi^2$ /NDF:73874.7/1

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

All: 2446.646+/-1.638  $\chi^2$ /NDF: 111272.7/3

# asym\_atr\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 6879.033+/-7297.762  $\chi^2$ /NDF: 0.0/1

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

Right Out: -21338.731+/-10029.641  $\chi^2$ /NDF: 1.8/1

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

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

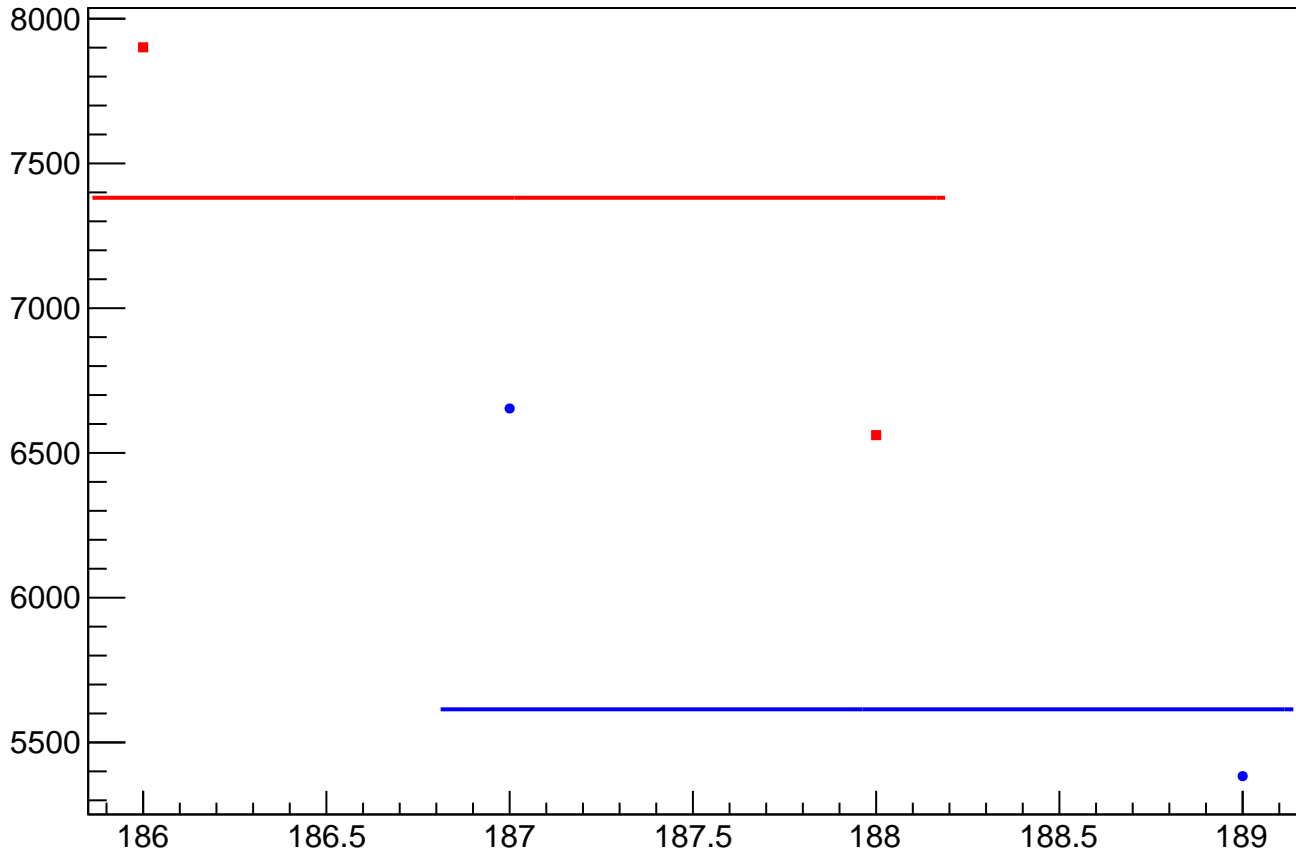
Right: -2888.876+/-5900.990  $\chi^2$ /NDF: 7.0/3

In: 6879.033+/-7297.762  $\chi^2$ /NDF:0.0/1

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

All: -2888.876+/-5900.990  $\chi^2$ /NDF: 7.0/3

# asym\_atr\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 5614.348+/-5.160  $\chi^2/\text{NDF}$ : 9007.6/1

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

Right Out: 7381.488+/-7.092  $\chi^2/\text{NDF}$ : 8473.0/1

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

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

Right: 6226.064+/-4.173  $\chi^2/\text{NDF}$ : 58075.5/3

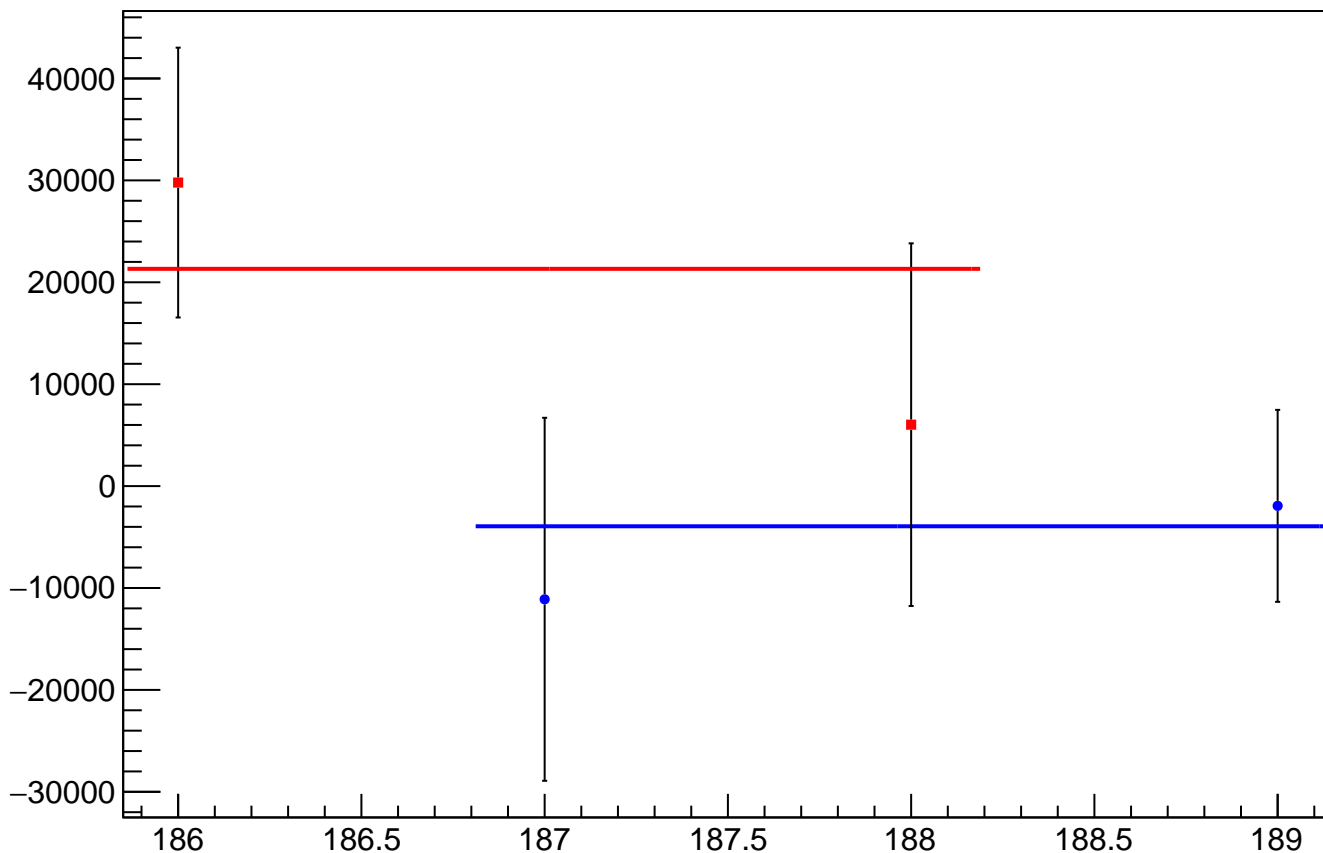
In: 5614.348+/-5.160  $\chi^2/\text{NDF}$ :9007.6/1

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

All: 6226.064+/-4.173  $\chi^2/\text{NDF}$ : 58075.5/3



# asym\_atr\_avg\_mean vs Slug, Sign Corrected



Right In: -3942.837+/-8326.150  $\chi^2$ /NDF: 0.2/1

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

Right Out: 21320.279+/-10621.259  $\chi^2$ /NDF: 1.1/1

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

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

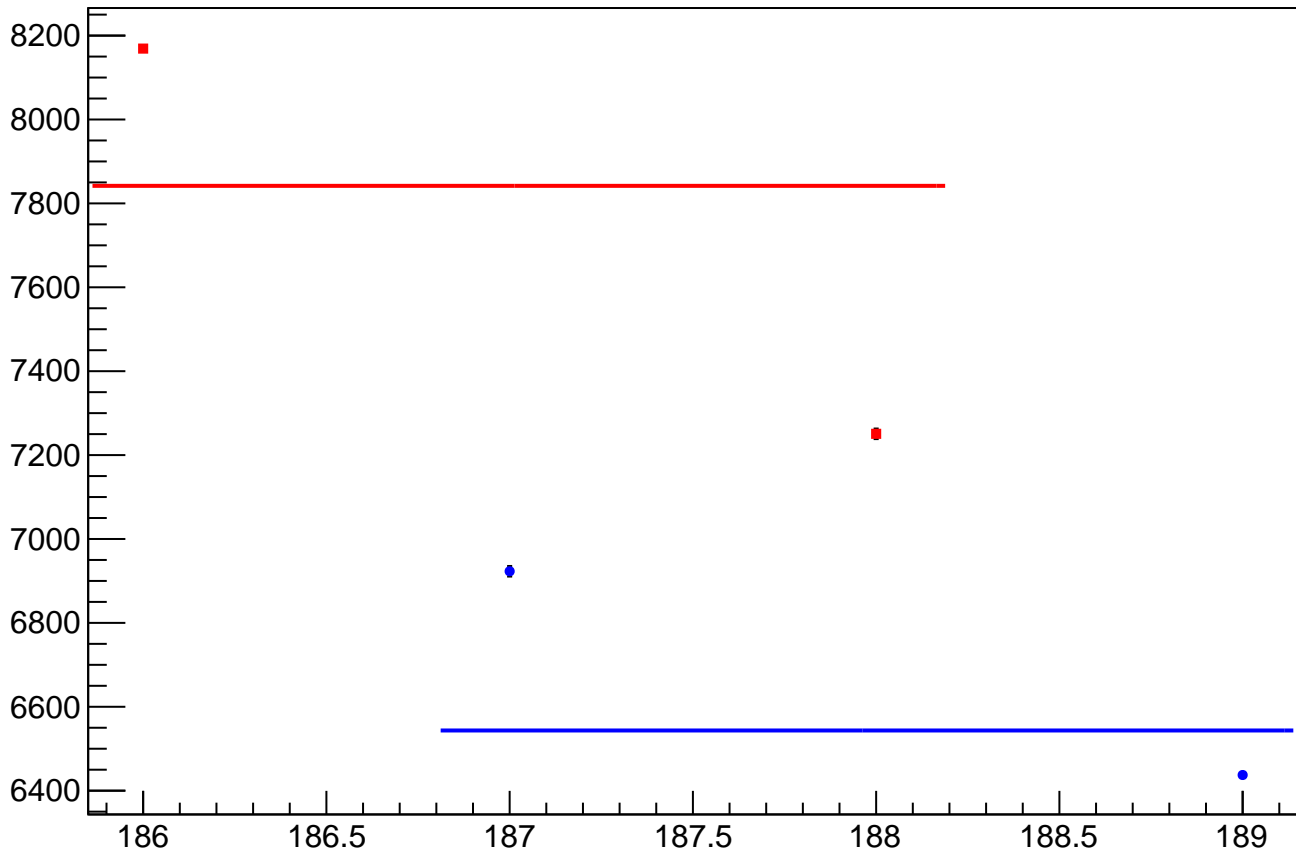
Right: 5672.838+/-6552.732  $\chi^2$ /NDF: 4.9/3

In: -3942.837+/-8326.150  $\chi^2$ /NDF:0.2/1

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

All: 5672.838+/-6552.732  $\chi^2$ /NDF: 4.9/3

# asym\_atr\_avg\_rms vs Slug, Sign Corrected



Right In: 6543.502+/-5.887  $\chi^2$ /NDF: 1162.2/1

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

Right Out: 7841.839+/-7.510  $\chi^2$ /NDF: 3428.8/1

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

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

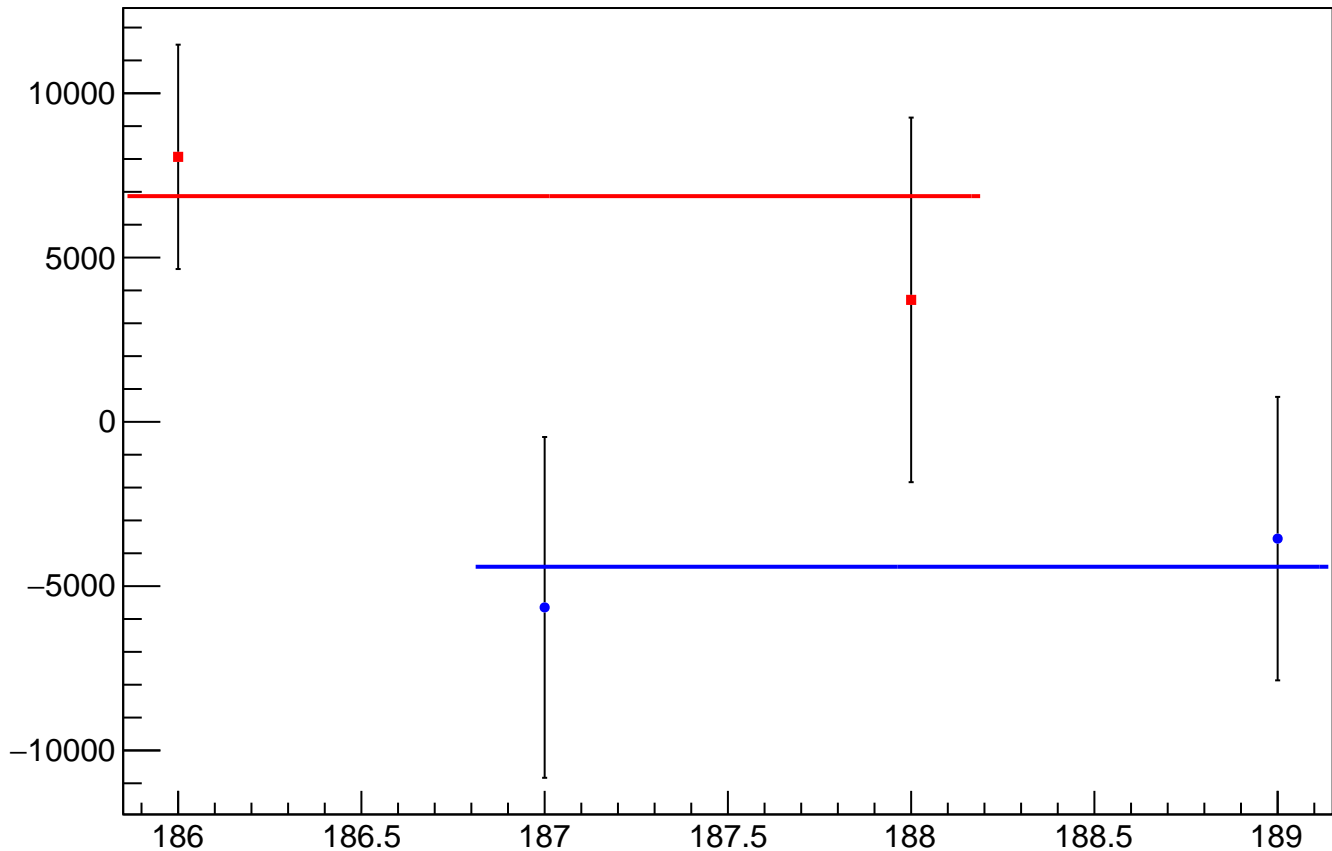
Right: 7037.676+/-4.633  $\chi^2$ /NDF: 23101.2/3

In: 6543.502+/-5.887  $\chi^2$ /NDF:1162.2/1

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

All: 7037.676+/-4.633  $\chi^2$ /NDF: 23101.2/3

# dit\_asym\_atr\_dd\_mean vs Slug, Sign Corrected



Right In: -4409.719+/-3316.256  $\chi^2$ /NDF: 0.1/1

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

Right Out: 6869.490+/-2907.632  $\chi^2$ /NDF: 0.4/1

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

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

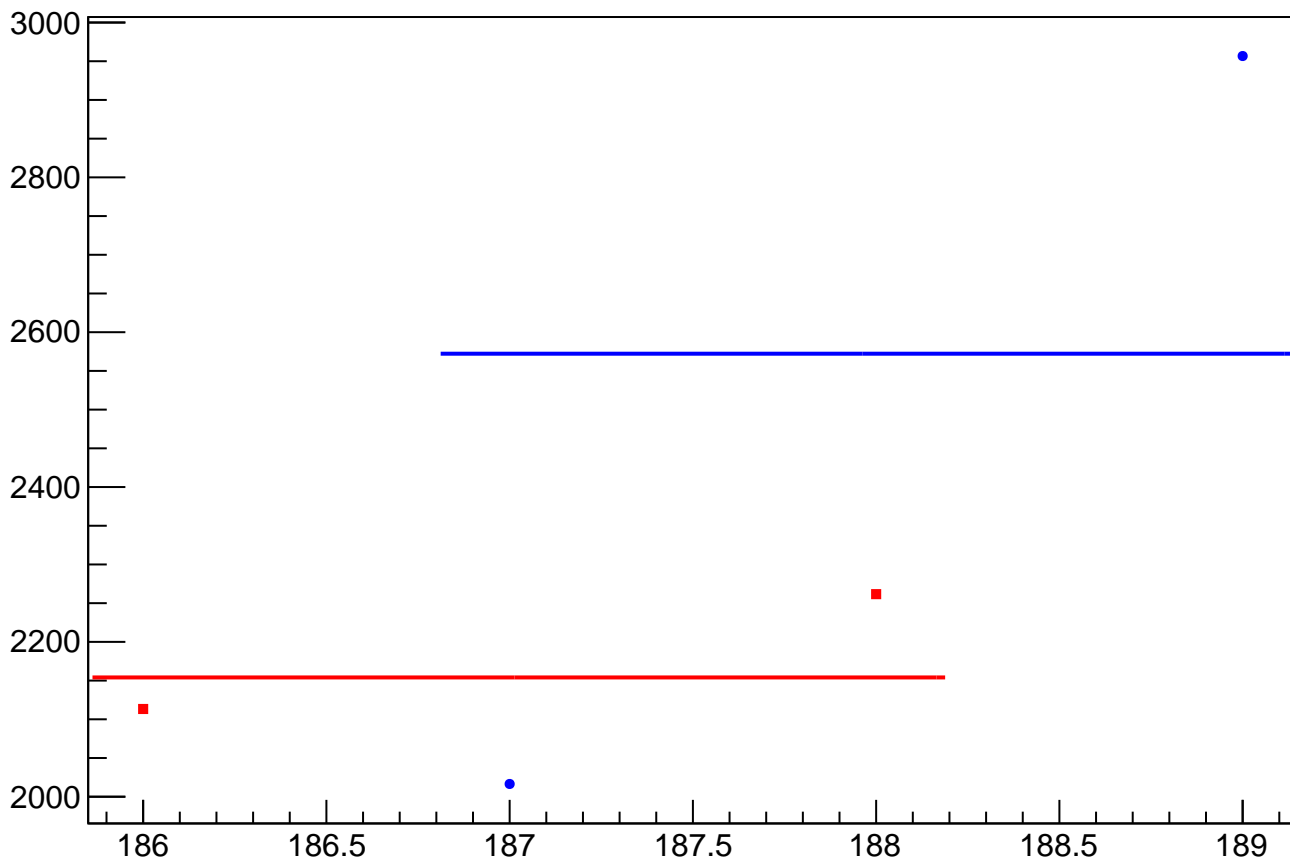
Right: 1967.235+/-2186.285  $\chi^2$ /NDF: 7.1/3

In: -4409.719+/-3316.256  $\chi^2$ /NDF:0.1/1

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

All: 1967.235+/-2186.285  $\chi^2$ /NDF: 7.1/3

# dit\_asym\_atr\_dd\_rms vs Slug, Sign Corrected



Right In: 2572.222+/-2.345  $\chi^2$ /NDF: 38859.1/1

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

Right Out: 2154.062+/-2.056  $\chi^2$ /NDF: 1036.9/1

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

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

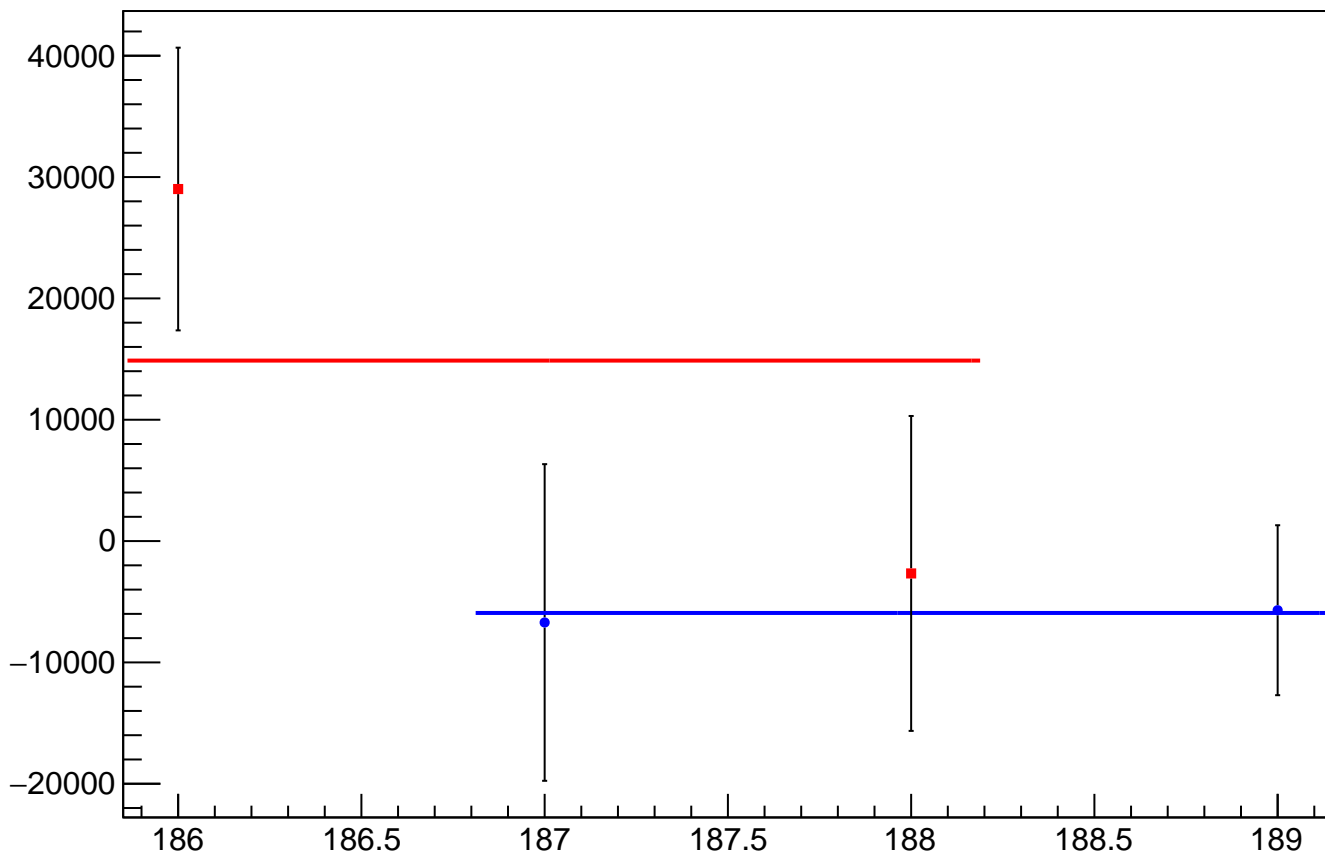
Right: 2335.806+/-1.546  $\chi^2$ /NDF: 57874.5/3

In: 2572.222+/-2.345  $\chi^2$ /NDF:38859.1/1

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

All: 2335.806+/-1.546  $\chi^2$ /NDF: 57874.5/3

# asym\_atr\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -5924.244+/-6170.773  $\chi^2$ /NDF: 0.0/1

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

Right Out: 14874.921+/-8669.265  $\chi^2$ /NDF: 3.3/1

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

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

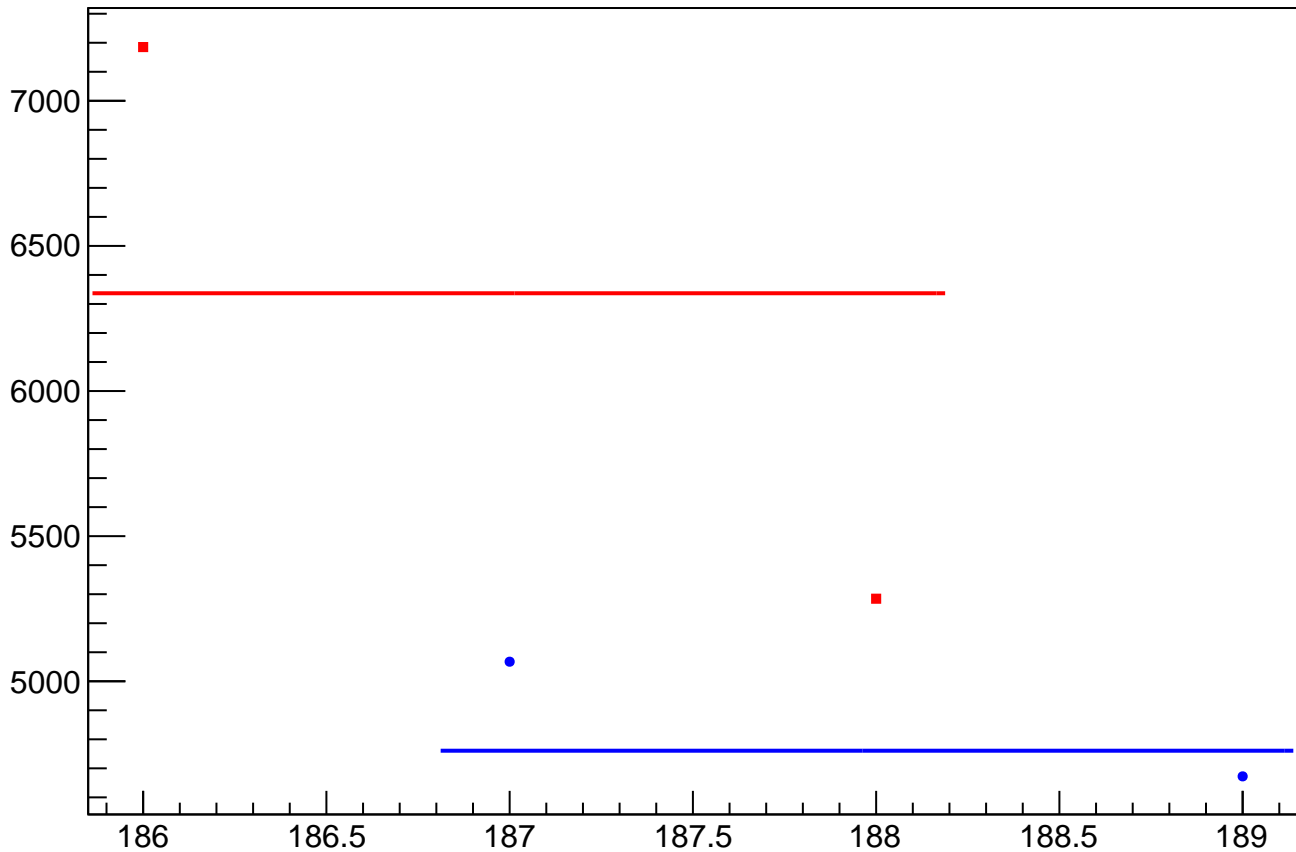
Right: 1070.083+/-5027.271  $\chi^2$ /NDF: 7.1/3

In: -5924.244+/-6170.773  $\chi^2$ /NDF:0.0/1

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

All: 1070.083+/-5027.271  $\chi^2$ /NDF: 7.1/3

# asym\_atr\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 4760.728+/-4.363  $\chi^2/\text{NDF}$ : 1423.4/1

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

Right Out: 6336.914+/-6.130  $\chi^2/\text{NDF}$ : 23757.0/1

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

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

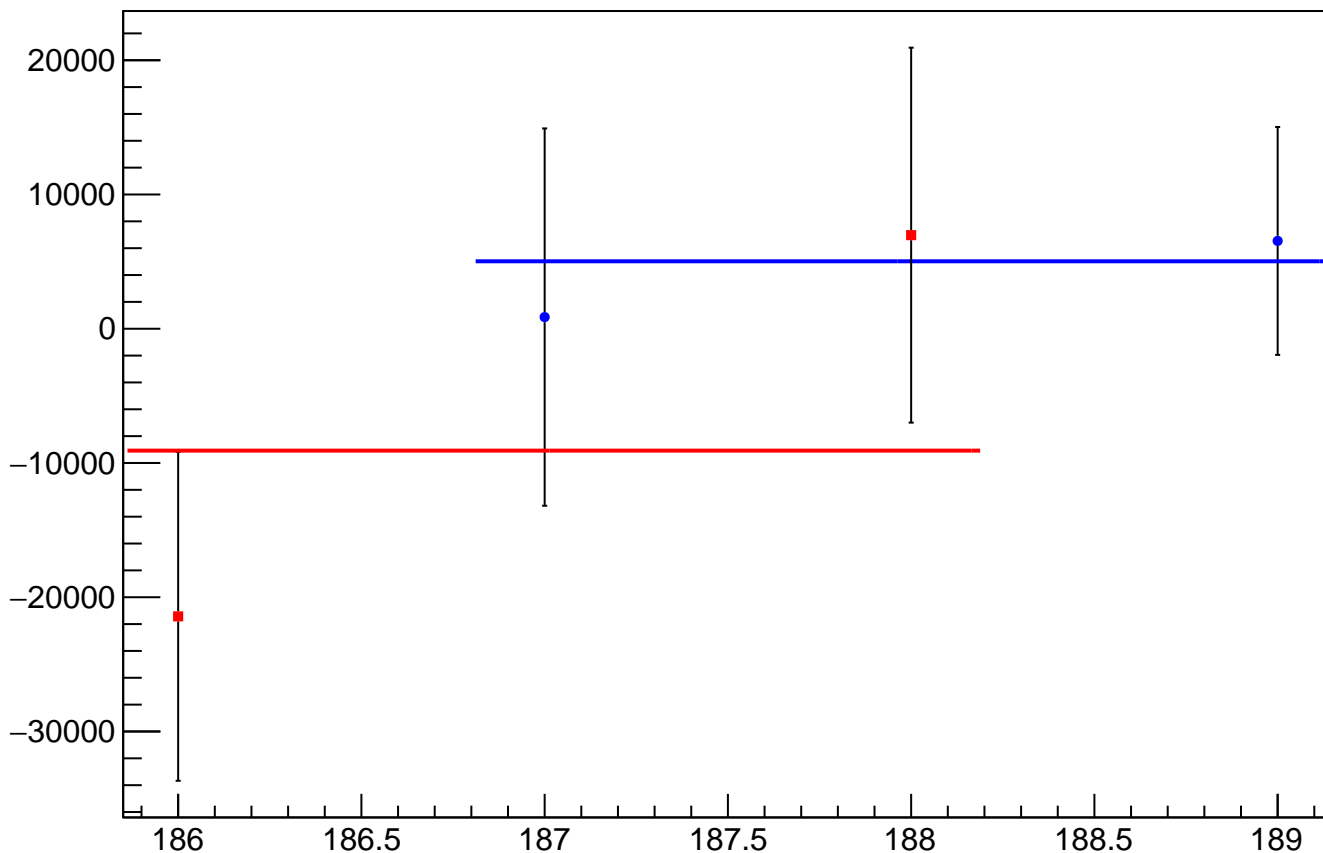
Right: 5290.767+/-3.555  $\chi^2/\text{NDF}$ : 69060.2/3

In: 4760.728+/-4.363  $\chi^2/\text{NDF}$ :1423.4/1

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

All: 5290.767+/-3.555  $\chi^2/\text{NDF}$ : 69060.2/3

# asym\_atr\_dd\_mean vs Slug, Sign Corrected



Right In: 5024.161+/-7266.043  $\chi^2$ /NDF: 0.1/1

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

Right Out: -9079.574+/-9207.859  $\chi^2$ /NDF: 2.3/1

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

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

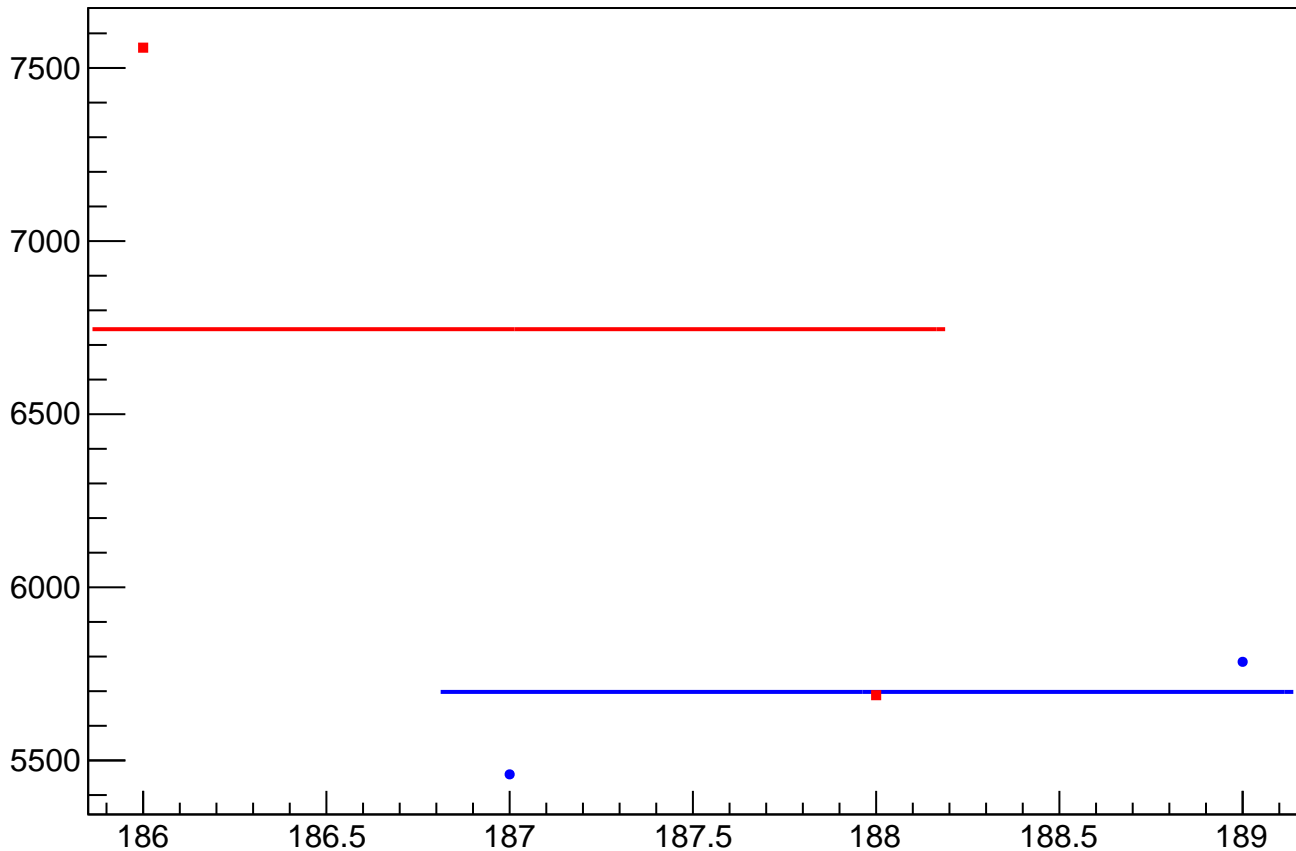
Right: -388.048+/-5703.992  $\chi^2$ /NDF: 3.9/3

In: 5024.161+/-7266.043  $\chi^2$ /NDF:0.1/1

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

All: -388.048+/-5703.992  $\chi^2$ /NDF: 3.9/3

# asym\_atr\_dd\_rms vs Slug, Sign Corrected



Right In: 5697.906+/-5.138  $\chi^2/\text{NDF}$ : 783.8/1

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

Right Out: 6745.545+/-6.511  $\chi^2/\text{NDF}$ : 20275.7/1

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

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

Right: 6099.930+/-4.033  $\chi^2/\text{NDF}$ : 37014.5/3

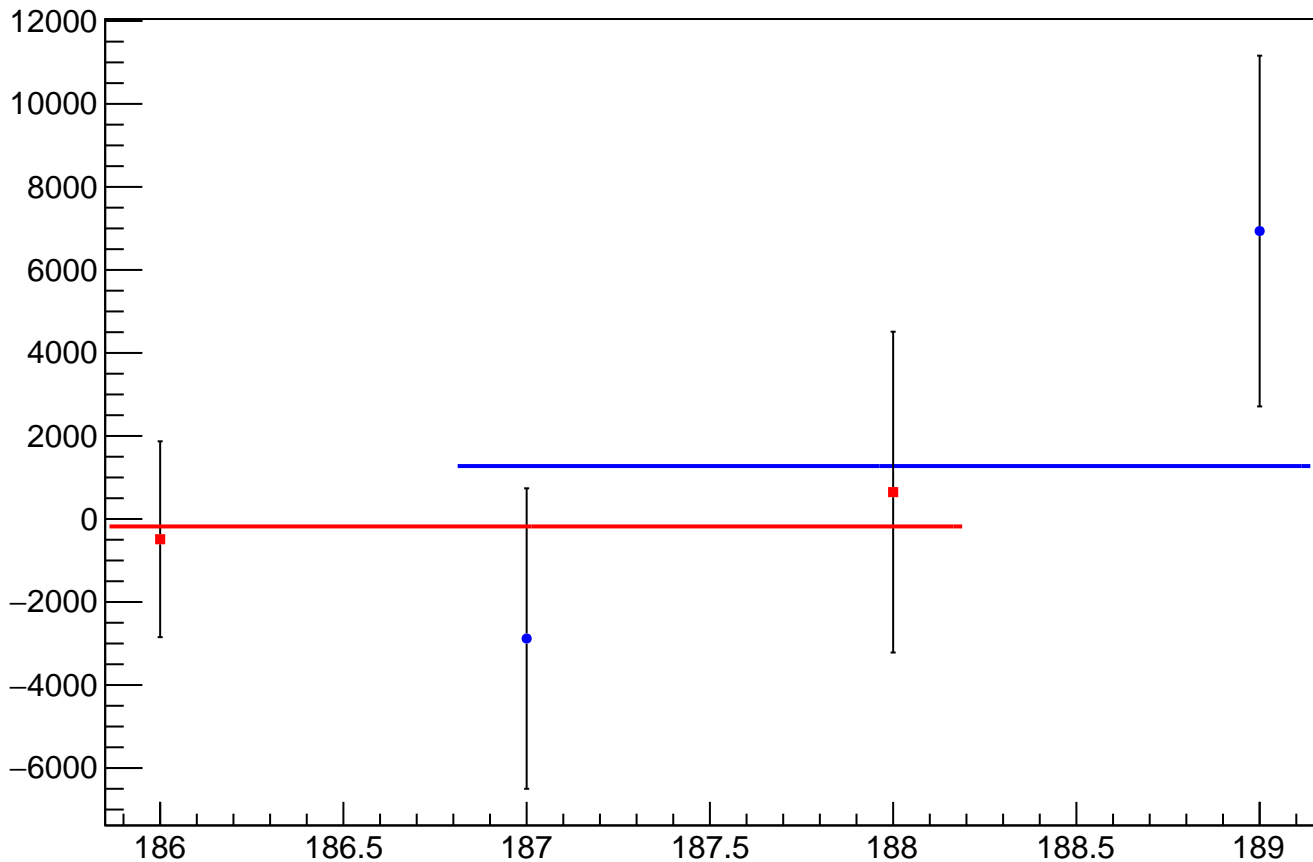
In: 5697.906+/-5.138  $\chi^2/\text{NDF}$ :783.8/1

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

All: 6099.930+/-4.033  $\chi^2/\text{NDF}$ : 37014.5/3



dit\_asym\_atl\_avg\_atr\_avg\_avg\_mean vs Slug, Sign Corrected



Right In: 1275.059+/-2748.771  $\chi^2$ /NDF: 3.1/1

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

Right Out: -179.638+/-2013.581  $\chi^2$ /NDF: 0.1/1

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

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

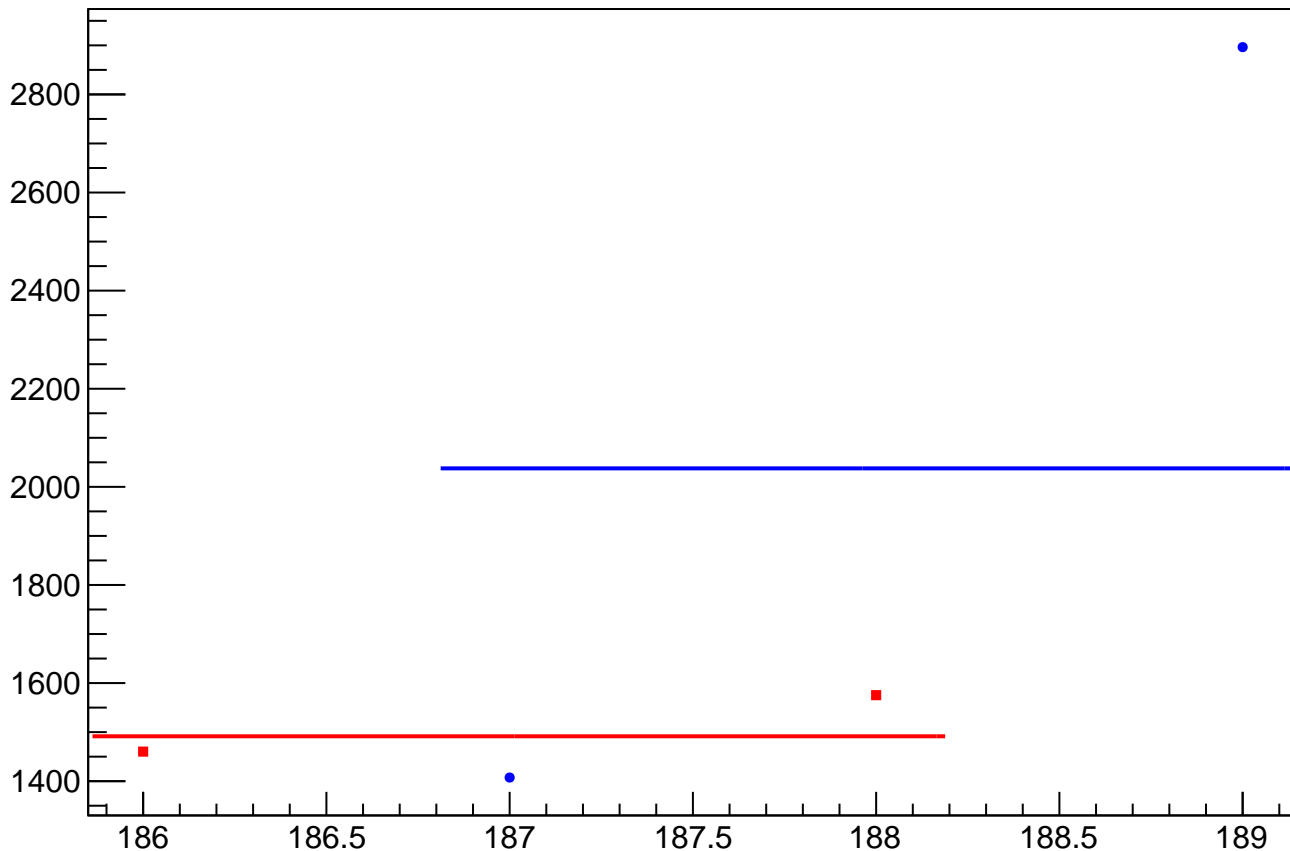
Right: 328.368+/-1624.377  $\chi^2$ /NDF: 3.4/3

In: 1275.059+/-2748.771  $\chi^2$ /NDF:3.1/1

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

All: 328.368+/-1624.377  $\chi^2$ /NDF: 3.4/3

# dit\_asym\_atl\_avg\_atr\_avg\_avg\_rms vs Slug, Sign Corrected



Right In: 2037.690+/-1.944  $\chi^2$ /NDF: 143255.9/1

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

Right Out: 1491.527+/-1.424  $\chi^2$ /NDF: 1291.1/1

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

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

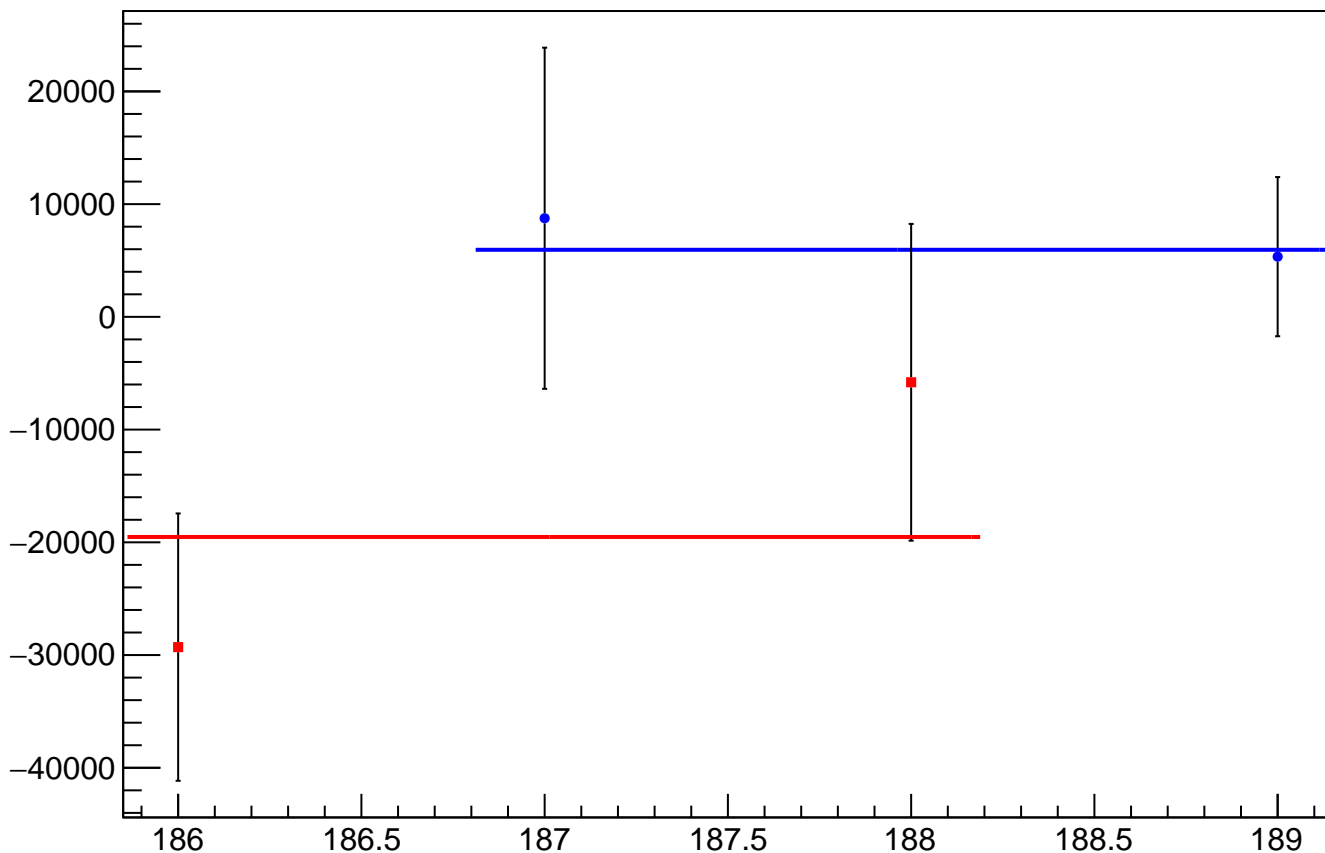
Right: 1682.257+/-1.149  $\chi^2$ /NDF: 195931.5/3

In: 2037.690+/-1.944  $\chi^2$ /NDF:143255.9/1

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

All: 1682.257+/-1.149  $\chi^2$ /NDF: 195931.5/3

asym\_atl\_avg\_atr\_avg\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 5949.447+/-6398.138  $\chi^2$ /NDF: 0.0/1

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

Right Out: -19524.337+/-9062.129  $\chi^2$ /NDF: 1.6/1

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

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

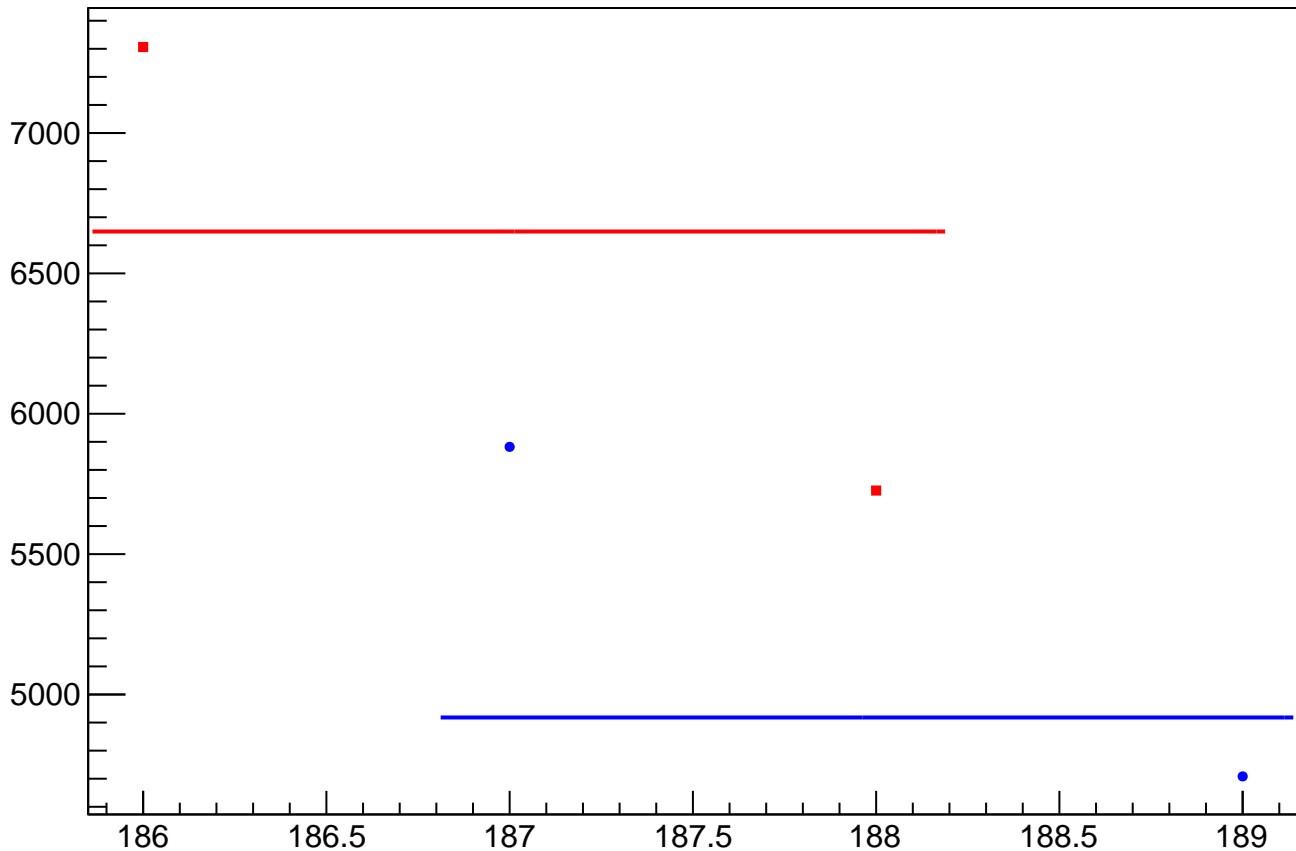
Right: -2524.575+/-5226.709  $\chi^2$ /NDF: 6.9/3

In: 5949.447+/-6398.138  $\chi^2$ /NDF:0.0/1

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

All: -2524.575+/-5226.709  $\chi^2$ /NDF: 6.9/3

asym\_atl\_avg\_atr\_avg\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 4918.125+/-4.524  $\chi^2$ /NDF: 9884.8/1

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

Right Out: 6649.206+/-6.408  $\chi^2$ /NDF: 14767.1/1

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

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

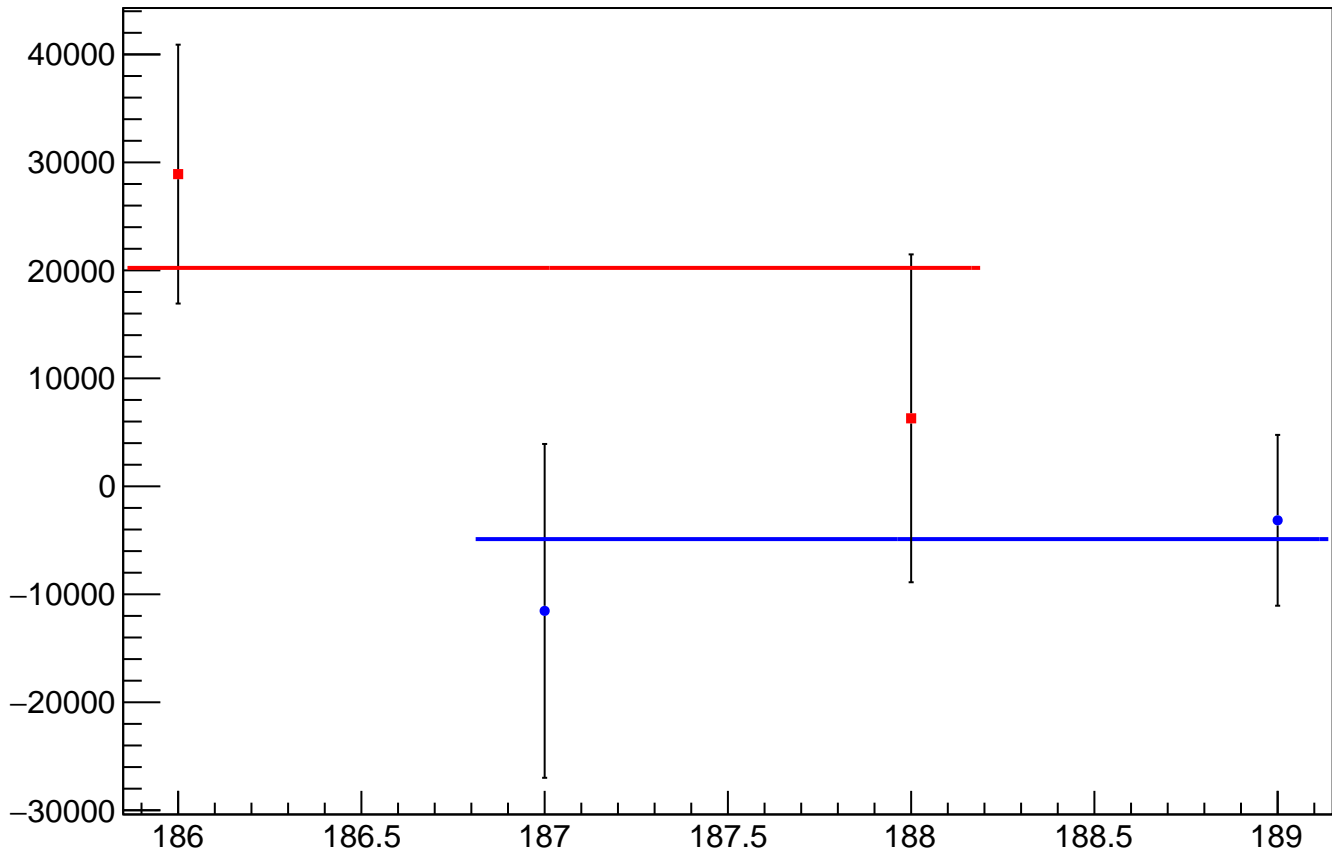
Right: 5493.980+/-3.696  $\chi^2$ /NDF: 73354.7/3

In: 4918.125+/-4.524  $\chi^2$ /NDF:9884.8/1

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

All: 5493.980+/-3.696  $\chi^2$ /NDF: 73354.7/3

# asym\_atl\_avg\_atr\_avg\_avg\_mean vs Slug, Sign Corrected



Right In:  $-4887.703 \pm 7041.812$   $\chi^2/\text{NDF}: 0.2/1$

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

Right Out:  $20229.565 \pm 9408.339$   $\chi^2/\text{NDF}: 1.4/1$

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

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

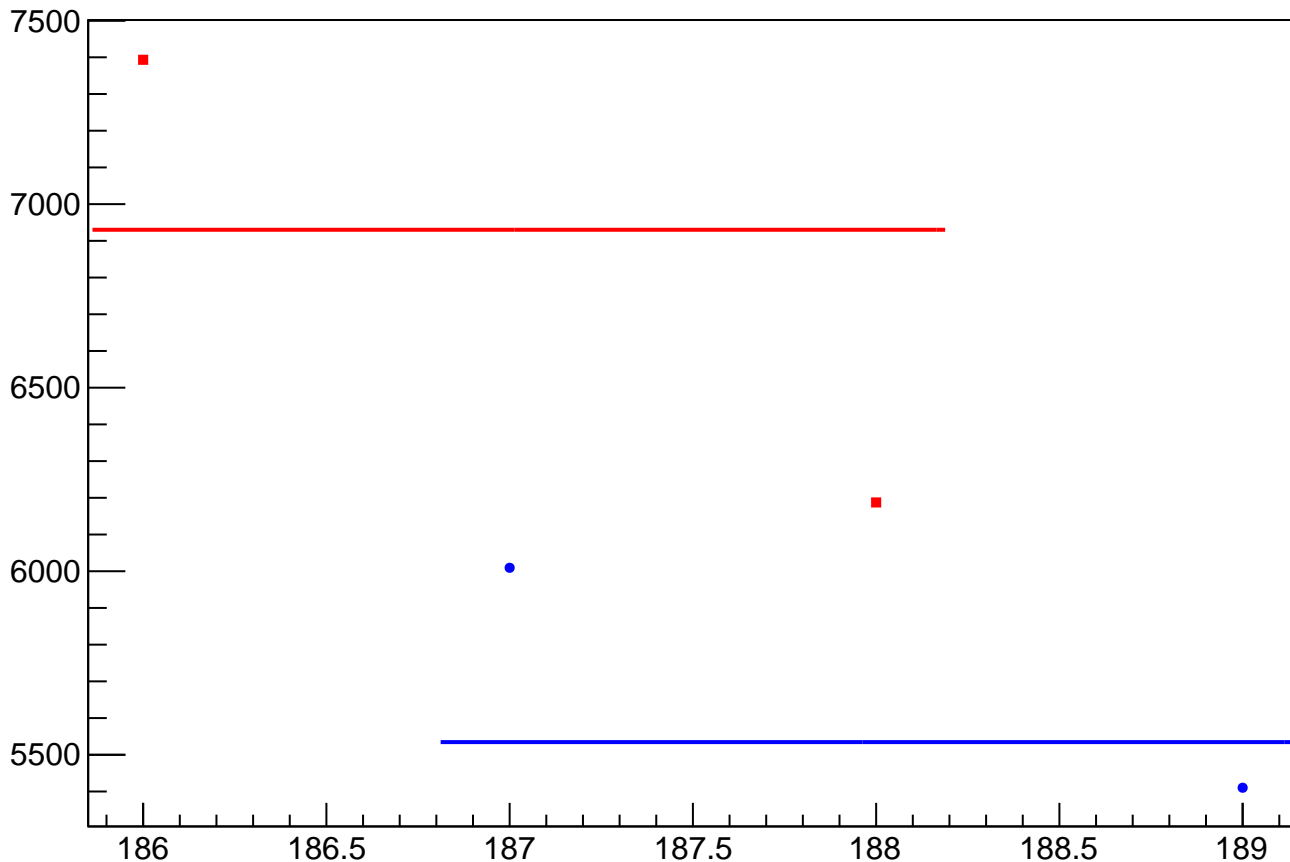
Right:  $4130.814 \pm 5637.601$   $\chi^2/\text{NDF}: 6.2/3$

In:  $-4887.703 \pm 7041.812$   $\chi^2/\text{NDF}: 0.2/1$

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

All:  $4130.814 \pm 5637.601$   $\chi^2/\text{NDF}: 6.2/3$

# asym\_atl\_avg\_atr\_avg\_avg\_rms vs Slug, Sign Corrected



Right In: 5534.544+/-4.979  $\chi^2$ /NDF: 2381.3/1

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

Right Out: 6930.161+/-6.653  $\chi^2$ /NDF: 7771.4/1

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

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

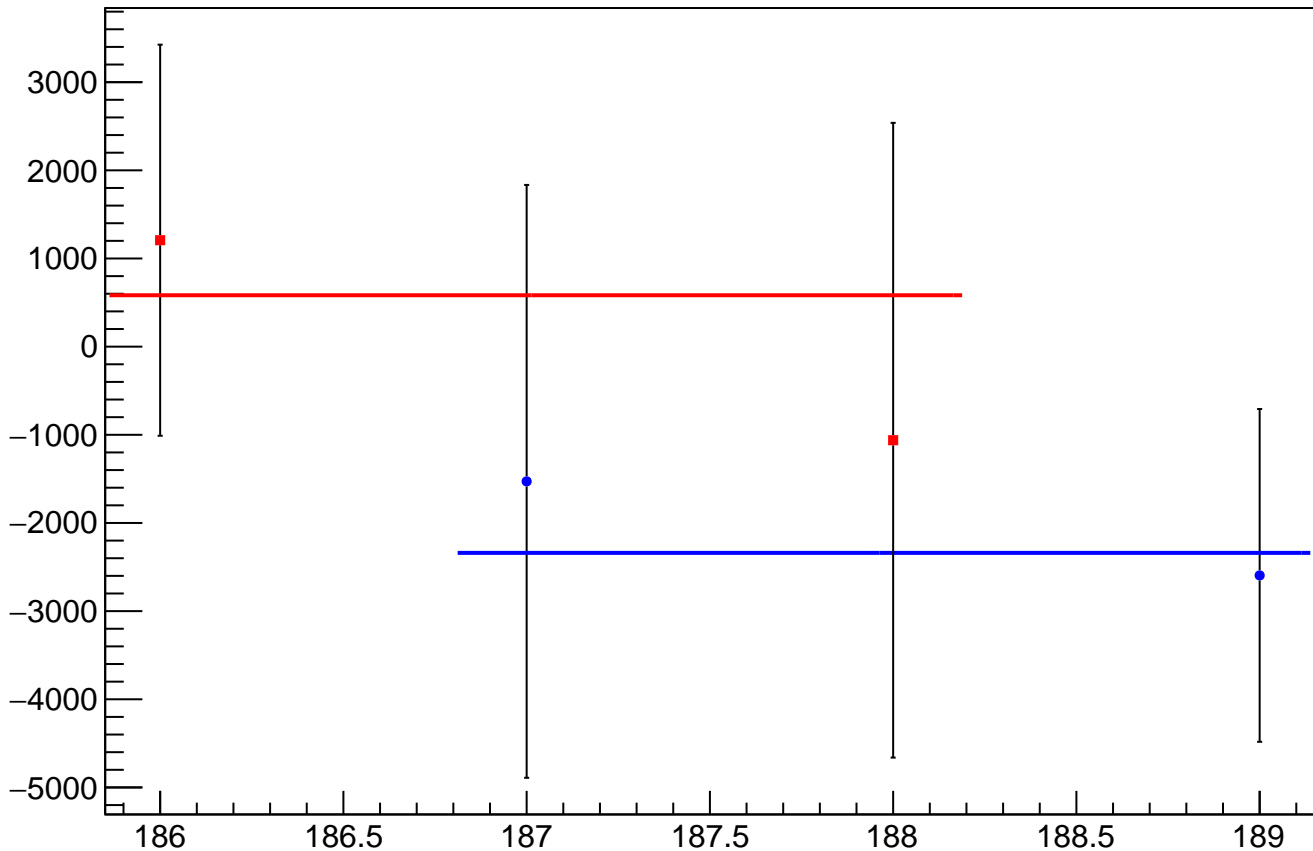
Right: 6035.649+/-3.986  $\chi^2$ /NDF: 38359.7/3

In: 5534.544+/-4.979  $\chi^2$ /NDF:2381.3/1

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

All: 6035.649+/-3.986  $\chi^2$ /NDF: 38359.7/3

# dit\_asym\_atl\_avg\_atr\_avg\_dd\_mean vs Slug, Sign Corrected



Right In: -2339.249+/-1645.965  $\chi^2$ /NDF: 0.1/1

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

Right Out: 582.935+/-1888.442  $\chi^2$ /NDF: 0.3/1

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

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

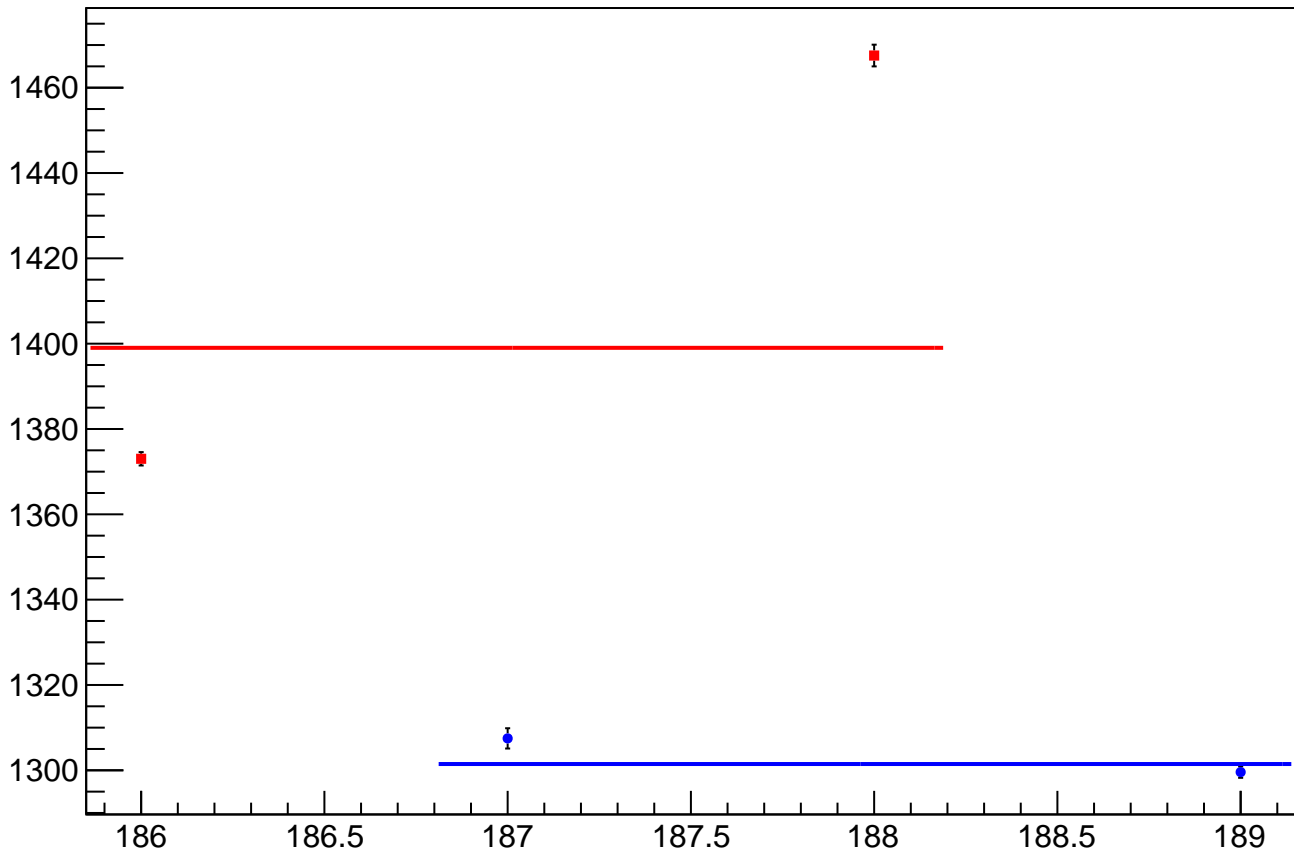
Right: -1077.693+/-1240.804  $\chi^2$ /NDF: 1.7/3

In: -2339.249+/-1645.965  $\chi^2$ /NDF:0.1/1

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

All: -1077.693+/-1240.804  $\chi^2$ /NDF: 1.7/3

# dit\_asym\_atl\_avg\_atr\_avg\_dd\_rms vs Slug, Sign Corrected



Right In: 1301.471+/-1.164  $\chi^2$ /NDF: 8.4/1

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

Right Out: 1399.027+/-1.335  $\chi^2$ /NDF: 999.4/1

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

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

Right: 1343.588+/-0.877  $\chi^2$ /NDF: 4040.9/3

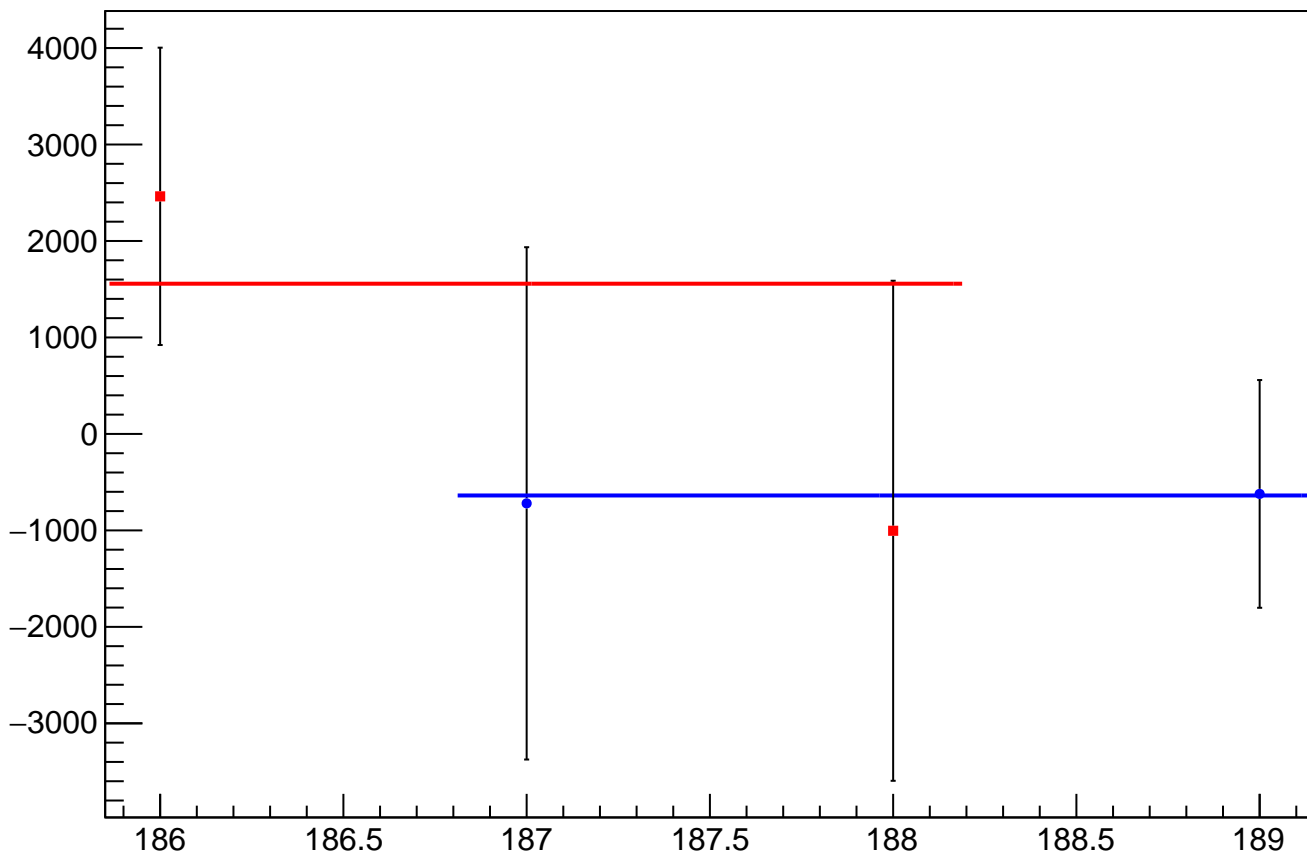
In: 1301.471+/-1.164  $\chi^2$ /NDF:8.4/1

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

All: 1343.588+/-0.877  $\chi^2$ /NDF: 4040.9/3



asym\_atl\_avg\_atr\_avg\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -637.980+/-1078.592  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: 1557.127+/-1324.605  $\chi^2/\text{NDF}$ : 1.3/1

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

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

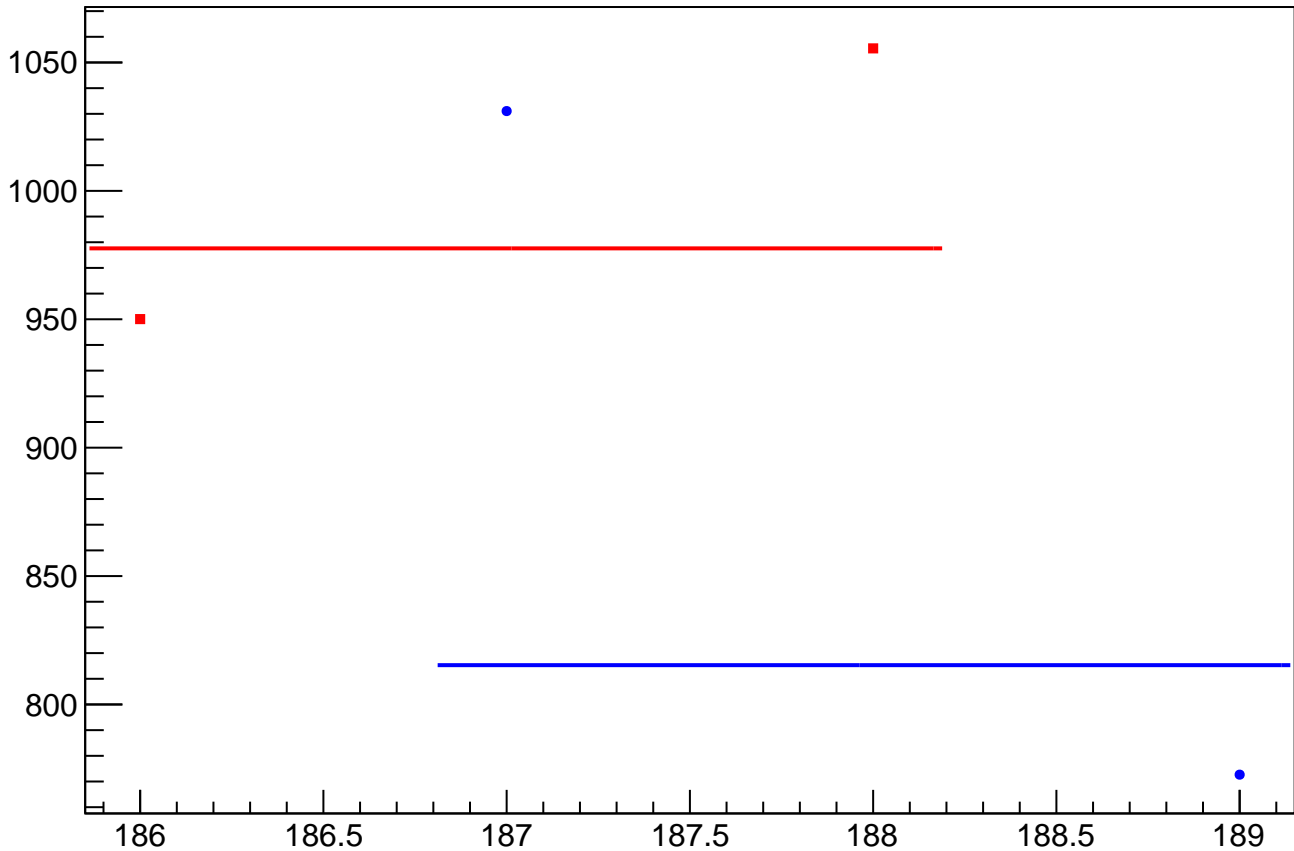
Right: 237.192+/-836.384  $\chi^2/\text{NDF}$ : 3.0/3

In: -637.980+/-1078.592  $\chi^2/\text{NDF}$ :0.0/1

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

All: 237.192+/-836.384  $\chi^2/\text{NDF}$ : 3.0/3

asym\_atl\_avg\_atr\_avg\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 815.309+/-0.763  $\chi^2$ /NDF: 15817.3/1

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

Right Out: 977.610+/-0.937  $\chi^2$ /NDF: 2444.8/1

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

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

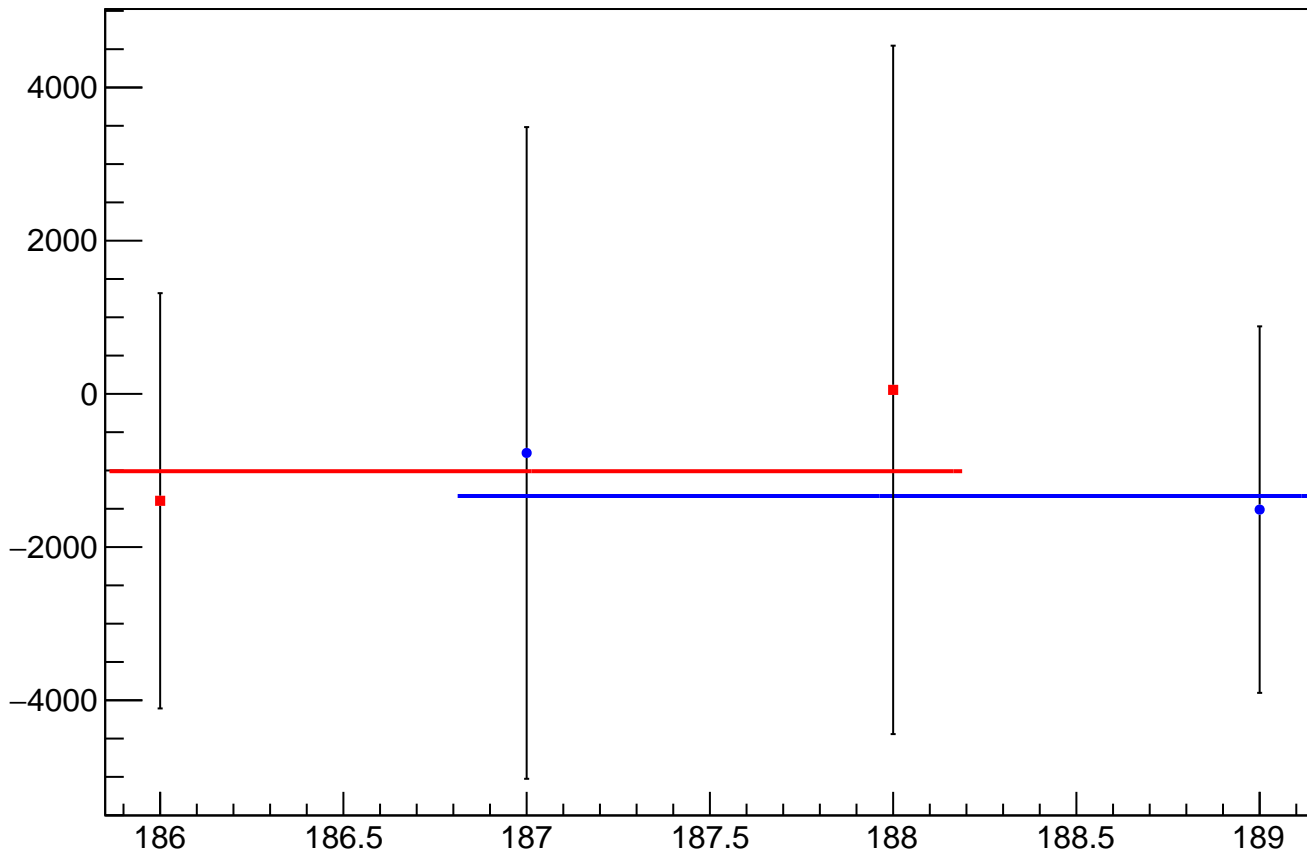
Right: 880.017+/-0.591  $\chi^2$ /NDF: 36317.1/3

In: 815.309+/-0.763  $\chi^2$ /NDF:15817.3/1

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

All: 880.017+/-0.591  $\chi^2$ /NDF: 36317.1/3

asym\_atl\_avg\_atr\_avg\_dd\_mean vs Slug, Sign Corrected



Right In: -1333.108+/-2085.300  $\chi^2$ /NDF: 0.0/1

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

Right Out: -1009.479+/-2321.187  $\chi^2$ /NDF: 0.1/1

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

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

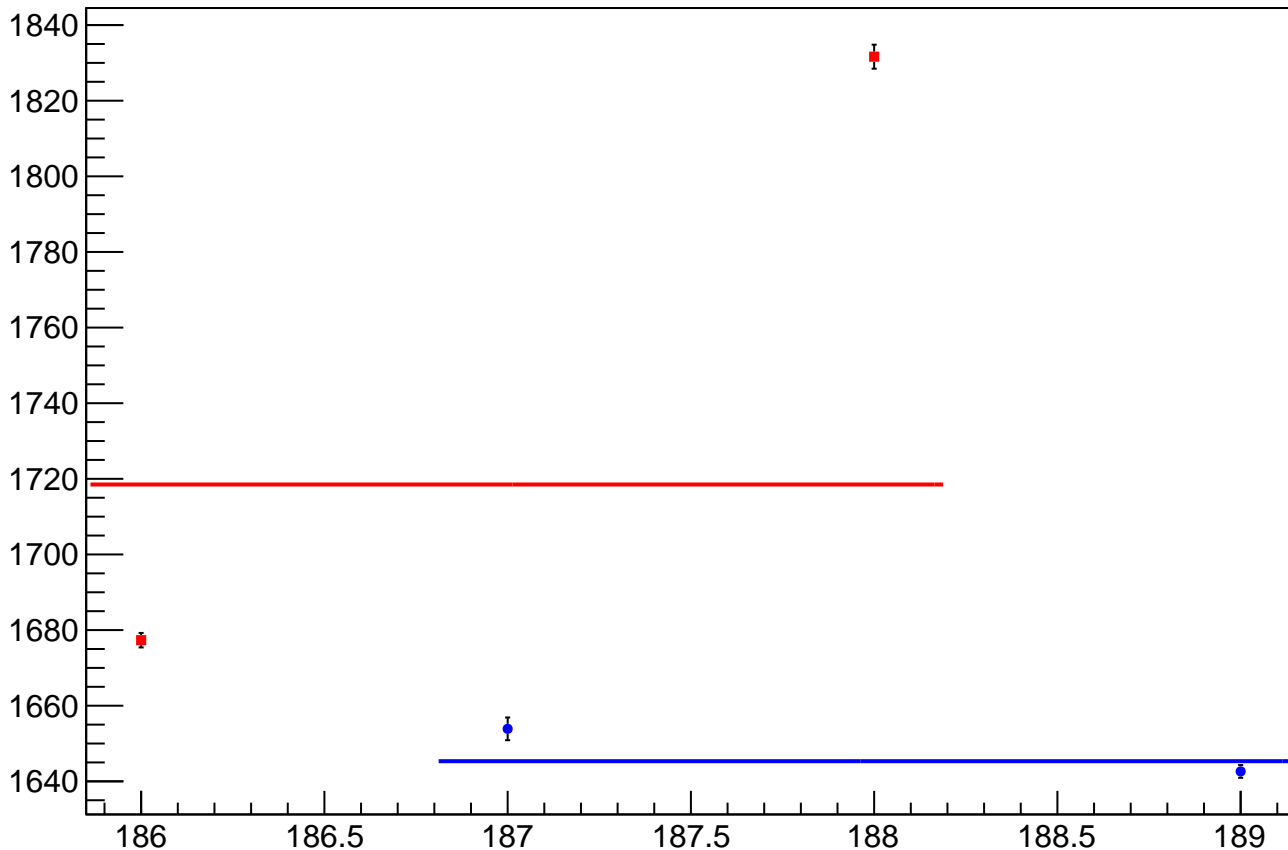
Right: -1188.569+/-1551.243  $\chi^2$ /NDF: 0.1/3

In: -1333.108+/-2085.300  $\chi^2$ /NDF:0.0/1

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

All: -1188.569+/-1551.243  $\chi^2$ /NDF: 0.1/3

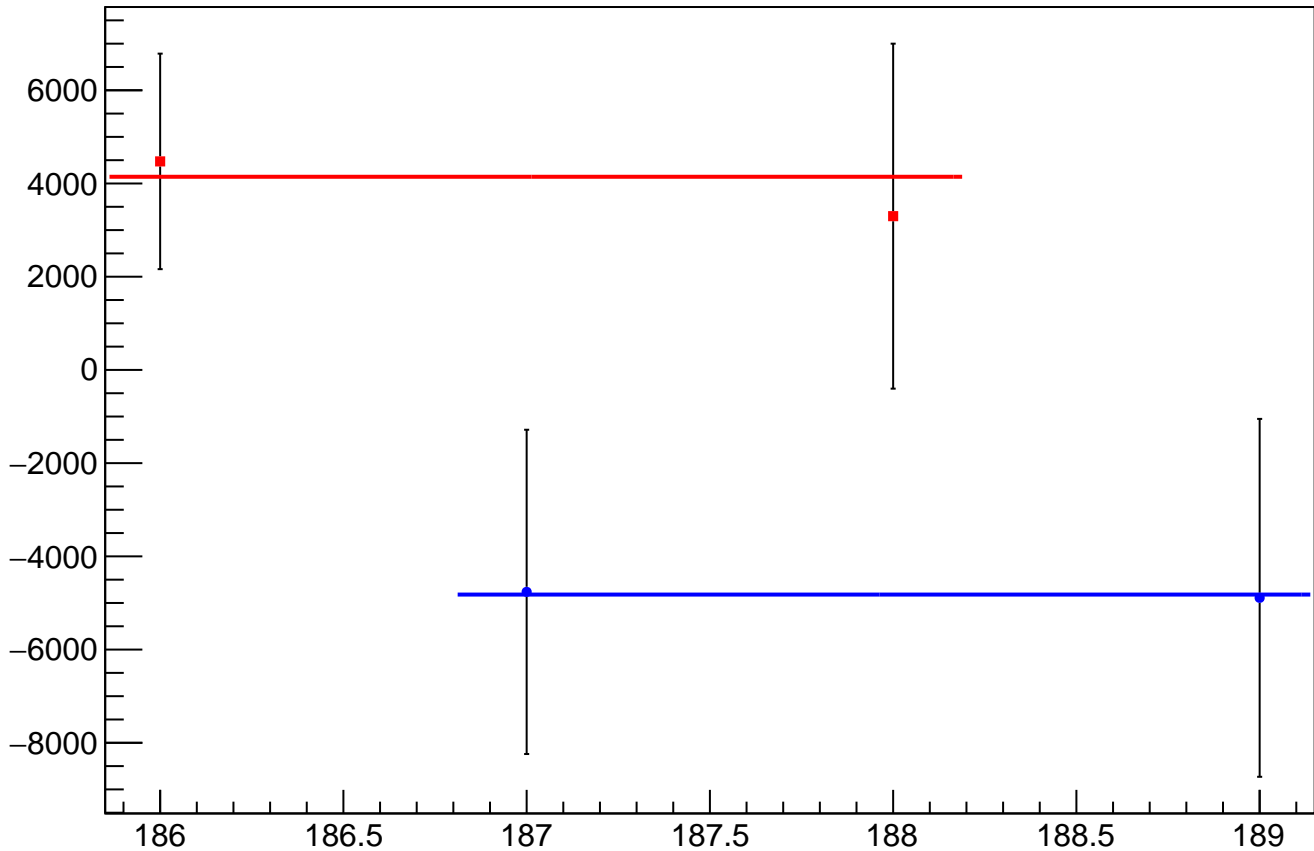
# asym\_atl\_avg\_atr\_avg\_dd\_rms vs Slug, Sign Corrected



Right In: 1645.331+/-1.475  $\chi^2$ /NDF: 10.6/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 1718.500+/-1.641  $\chi^2$ /NDF: 1729.1/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 1678.010+/-1.097  $\chi^2$ /NDF: 2839.4/3  
In: 1645.331+/-1.475  $\chi^2$ /NDF:10.6/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 1678.010+/-1.097  $\chi^2$ /NDF: 2839.4/3

# dit\_asym\_atl\_dd\_atr\_dd\_avg\_mean vs Slug, Sign Corrected



Right In: -4819.803+/-2577.939  $\chi^2$ /NDF: 0.0/1

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

Right Out: 4144.130+/-1960.772  $\chi^2$ /NDF: 0.1/1

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

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

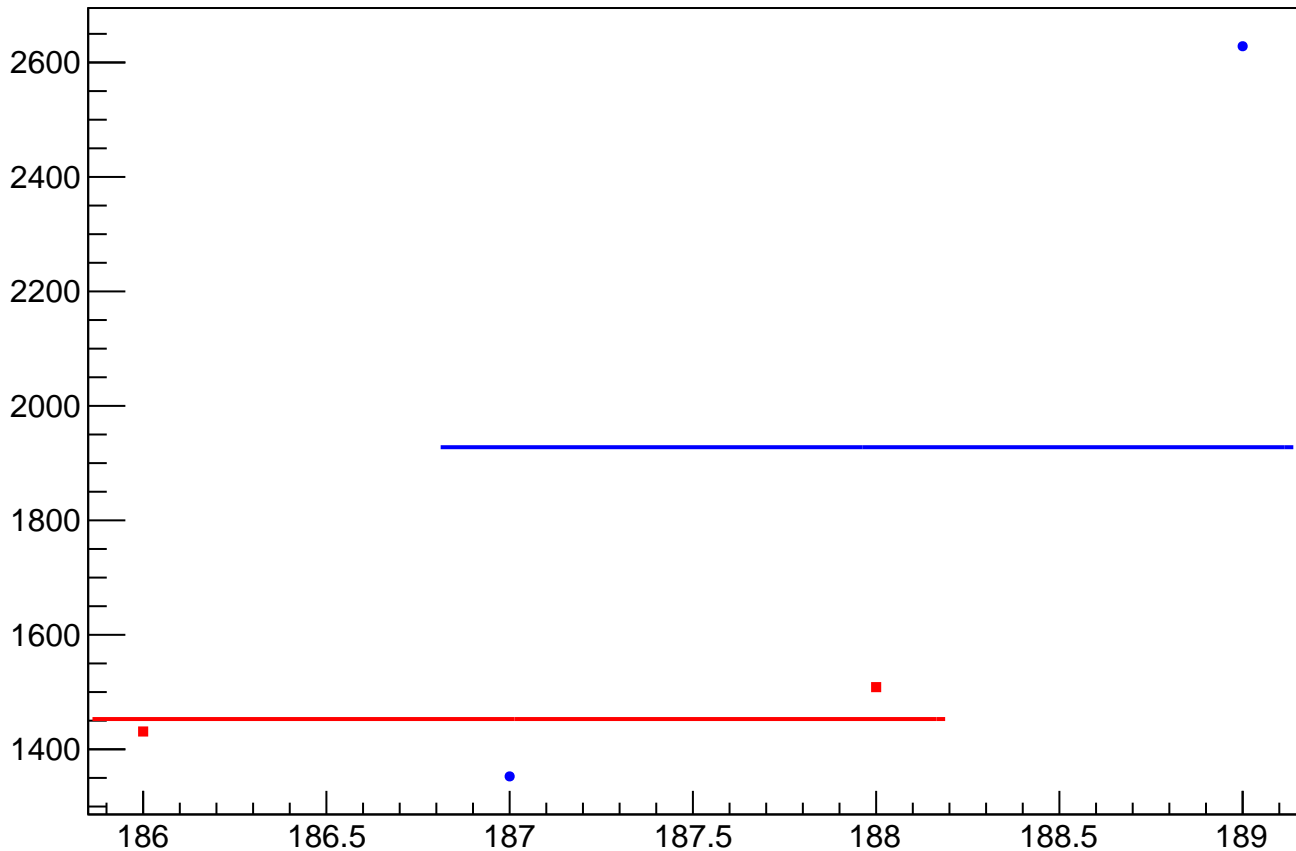
Right: 858.937+/-1560.644  $\chi^2$ /NDF: 7.7/3

In: -4819.803+/-2577.939  $\chi^2$ /NDF:0.0/1

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

All: 858.937+/-1560.644  $\chi^2$ /NDF: 7.7/3

# dit\_asym\_atl\_dd\_atr\_dd\_avg\_rms vs Slug, Sign Corrected



Right In: 1927.801+/-1.823  $\chi^2$ /NDF: 121261.0/1

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

Right Out: 1452.863+/-1.386  $\chi^2$ /NDF: 631.1/1

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

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

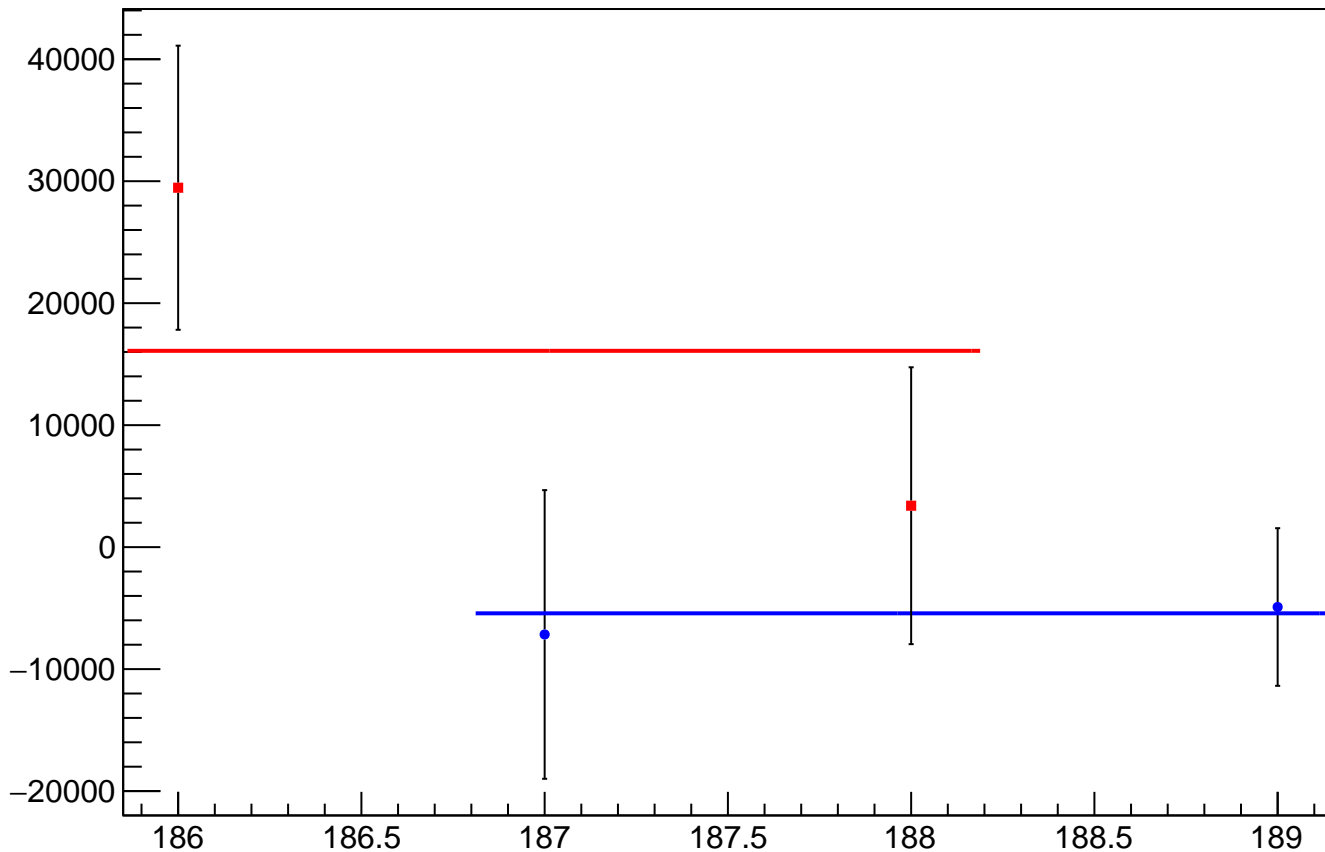
Right: 1626.923+/-1.104  $\chi^2$ /NDF: 164896.6/3

In: 1927.801+/-1.823  $\chi^2$ /NDF:121261.0/1

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

All: 1626.923+/-1.104  $\chi^2$ /NDF: 164896.6/3

asym\_atl\_dd\_atr\_dd\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -5425.858+/-5671.437  $\chi^2$ /NDF: 0.0/1

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

Right Out: 16093.475+/-8128.142  $\chi^2$ /NDF: 2.6/1

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

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

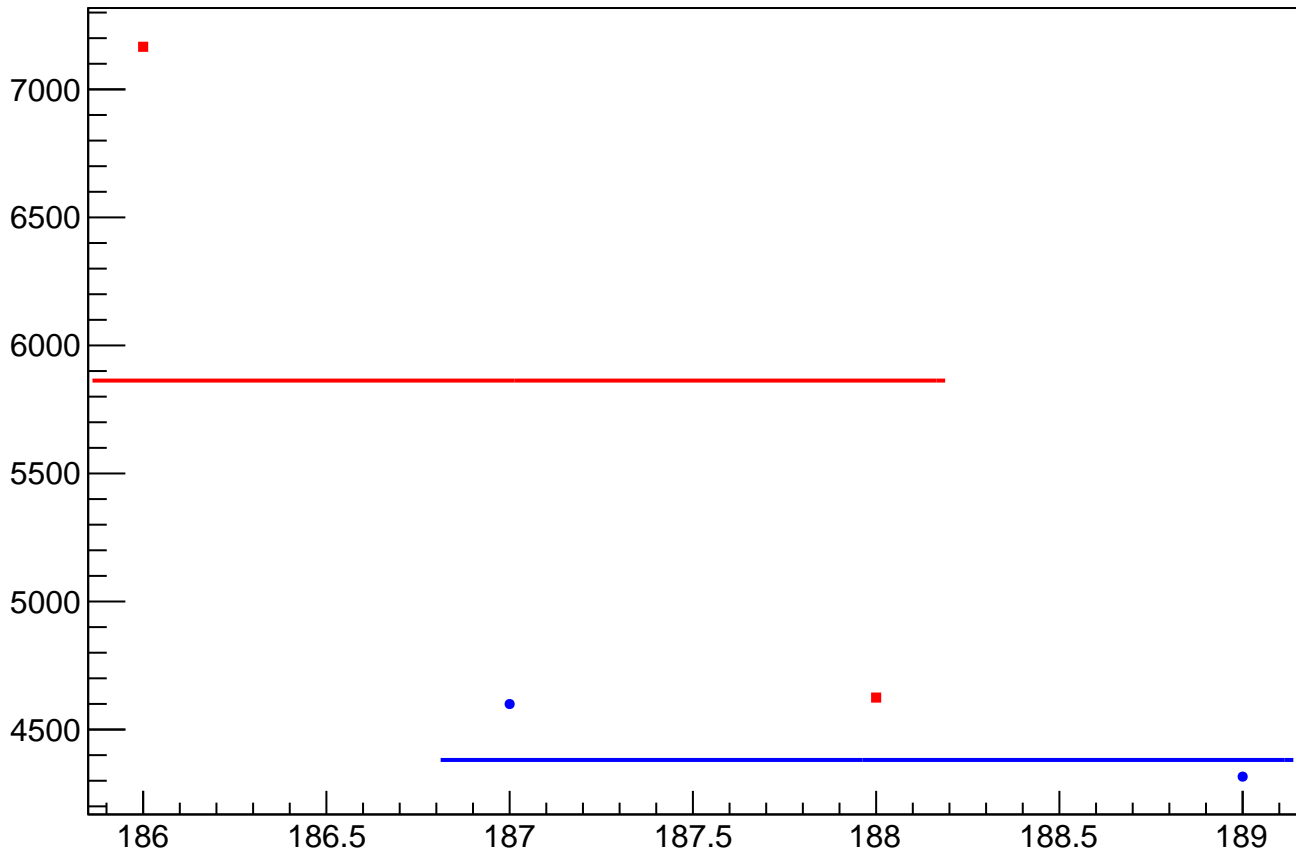
Right: 1620.465+/-4651.127  $\chi^2$ /NDF: 7.3/3

In: -5425.858+/-5671.437  $\chi^2$ /NDF:0.0/1

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

All: 1620.465+/-4651.127  $\chi^2$ /NDF: 7.3/3

asym\_atl\_dd\_atr\_dd\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 4381.210+/-4.010  $\chi^2$ /NDF: 884.1/1

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

Right Out: 5862.798+/-5.747  $\chi^2$ /NDF: 48851.8/1

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

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

Right: 4866.344+/-3.289  $\chi^2$ /NDF: 94428.3/3

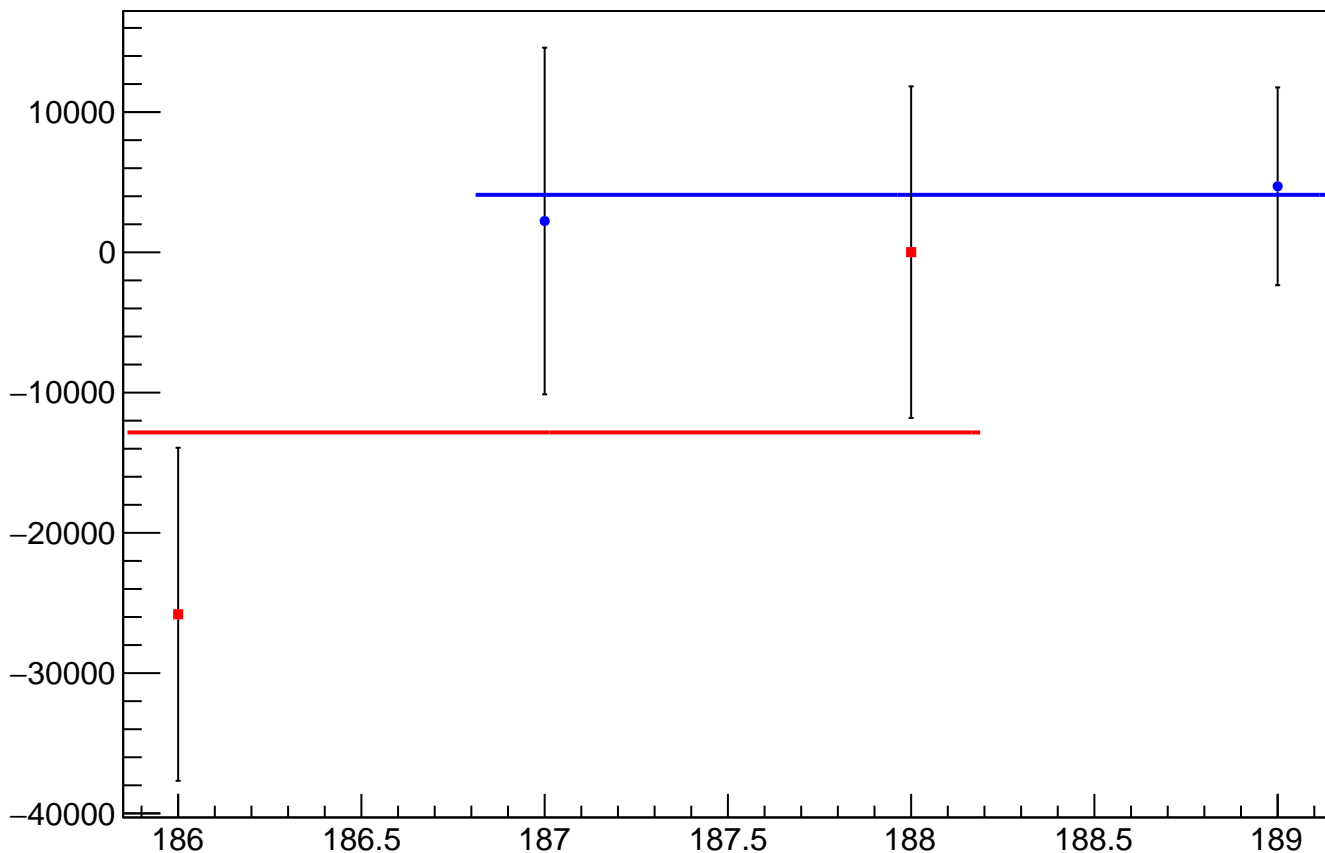
In: 4381.210+/-4.010  $\chi^2$ /NDF:884.1/1

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

All: 4866.344+/-3.289  $\chi^2$ /NDF: 94428.3/3



# asym\_atl\_dd\_atr\_dd\_avg\_mean vs Slug, Sign Corrected



Right In: 4101.161+/-6125.044  $\chi^2$ /NDF: 0.0/1

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

Right Out: -12838.811+/-8376.937  $\chi^2$ /NDF: 2.4/1

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

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

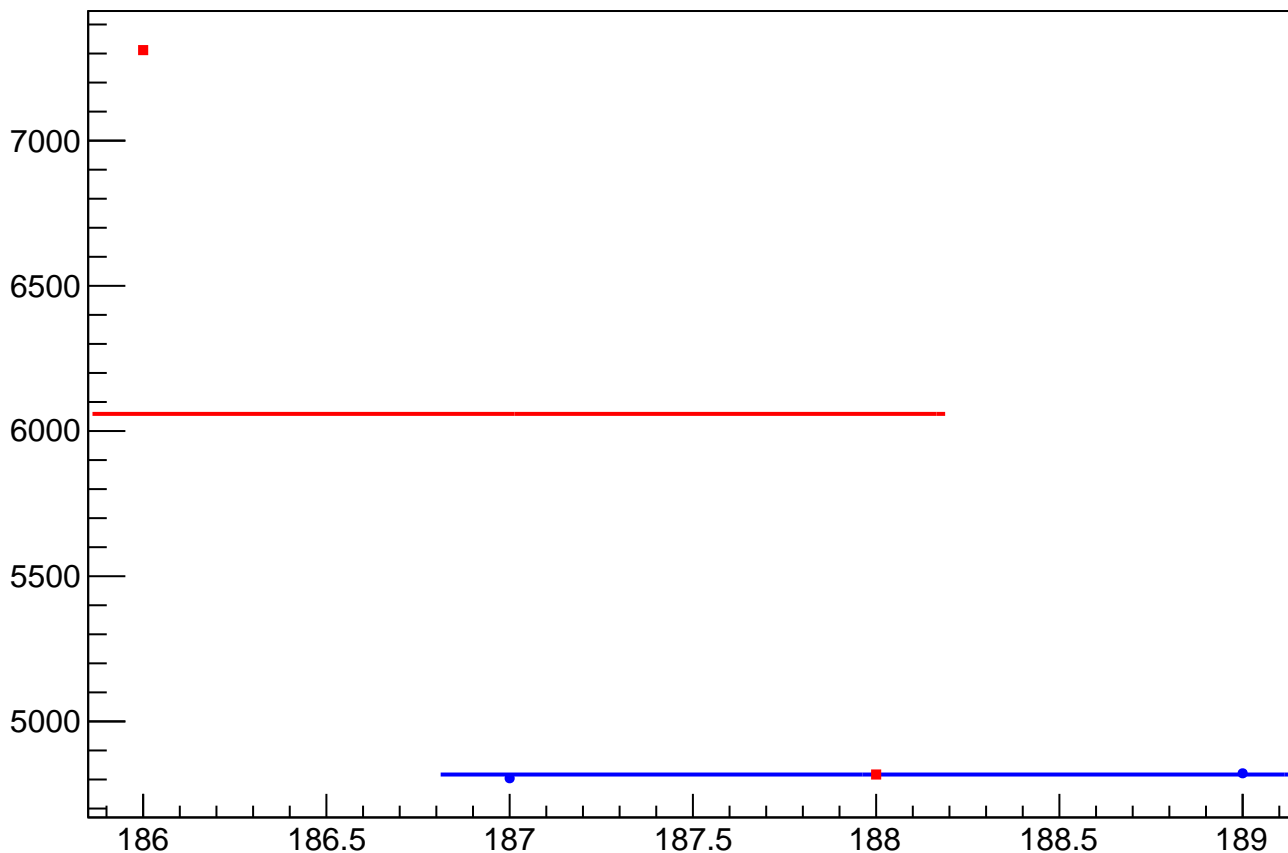
Right: -1800.290+/-4944.340  $\chi^2$ /NDF: 5.1/3

In: 4101.161+/-6125.044  $\chi^2$ /NDF:0.0/1

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

All: -1800.290+/-4944.340  $\chi^2$ /NDF: 5.1/3

# asym\_atl\_dd\_atr\_dd\_avg\_rms vs Slug, Sign Corrected



Right In: 4817.122+/-4.331  $\chi^2$ /NDF: 2.9/1

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

Right Out: 6059.042+/-5.923  $\chi^2$ /NDF: 44339.1/1

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

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

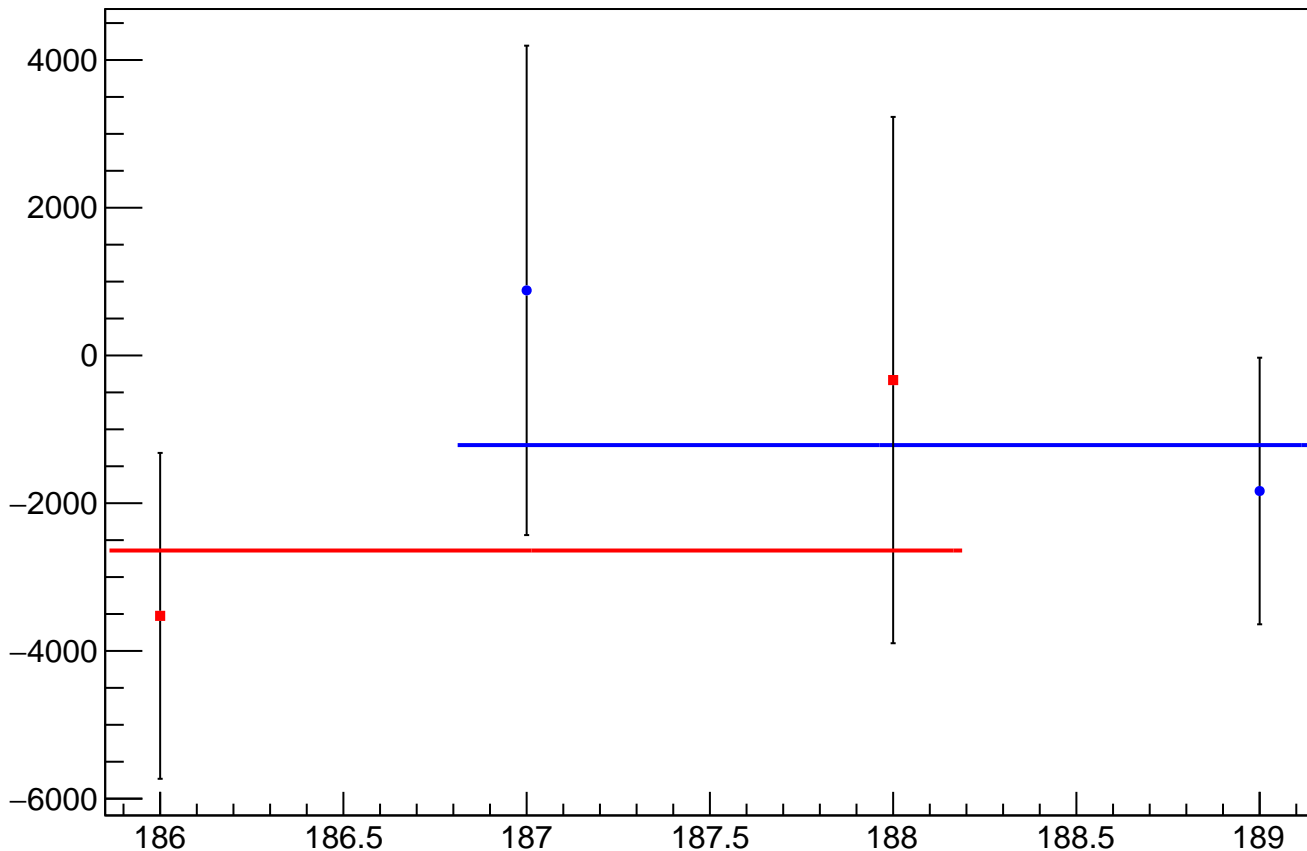
Right: 5249.775+/-3.496  $\chi^2$ /NDF: 72986.7/3

In: 4817.122+/-4.331  $\chi^2$ /NDF:2.9/1

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

All: 5249.775+/-3.496  $\chi^2$ /NDF: 72986.7/3

# dit\_asym\_atl\_dd\_atr\_dd\_dd\_mean vs Slug, Sign Corrected



Right In:  $-1213.304 \pm 1584.759$   $\chi^2/\text{NDF}: 0.5/1$

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

Right Out:  $-2640.516 \pm 1875.515$   $\chi^2/\text{NDF}: 0.6/1$

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

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

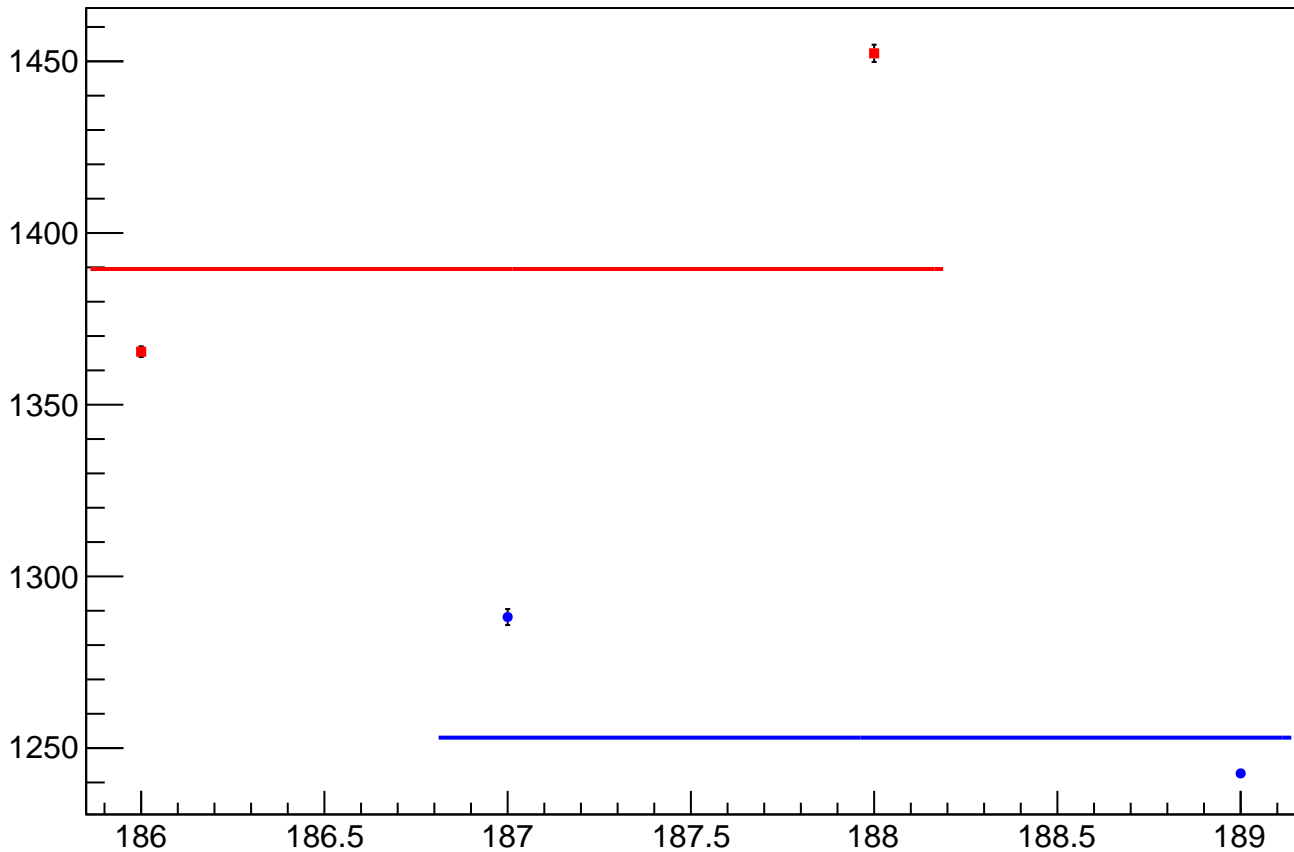
Right:  $-1807.827 \pm 1210.488$   $\chi^2/\text{NDF}: 1.4/3$

In:  $-1213.304 \pm 1584.759$   $\chi^2/\text{NDF}: 0.5/1$

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

All:  $-1807.827 \pm 1210.488$   $\chi^2/\text{NDF}: 1.4/3$

# dit\_asym\_atl\_dd\_atr\_dd\_dd\_rms vs Slug, Sign Corrected



Right In: 1253.052+/-1.121  $\chi^2$ /NDF: 291.4/1

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

Right Out: 1389.520+/-1.326  $\chi^2$ /NDF: 859.9/1

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

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

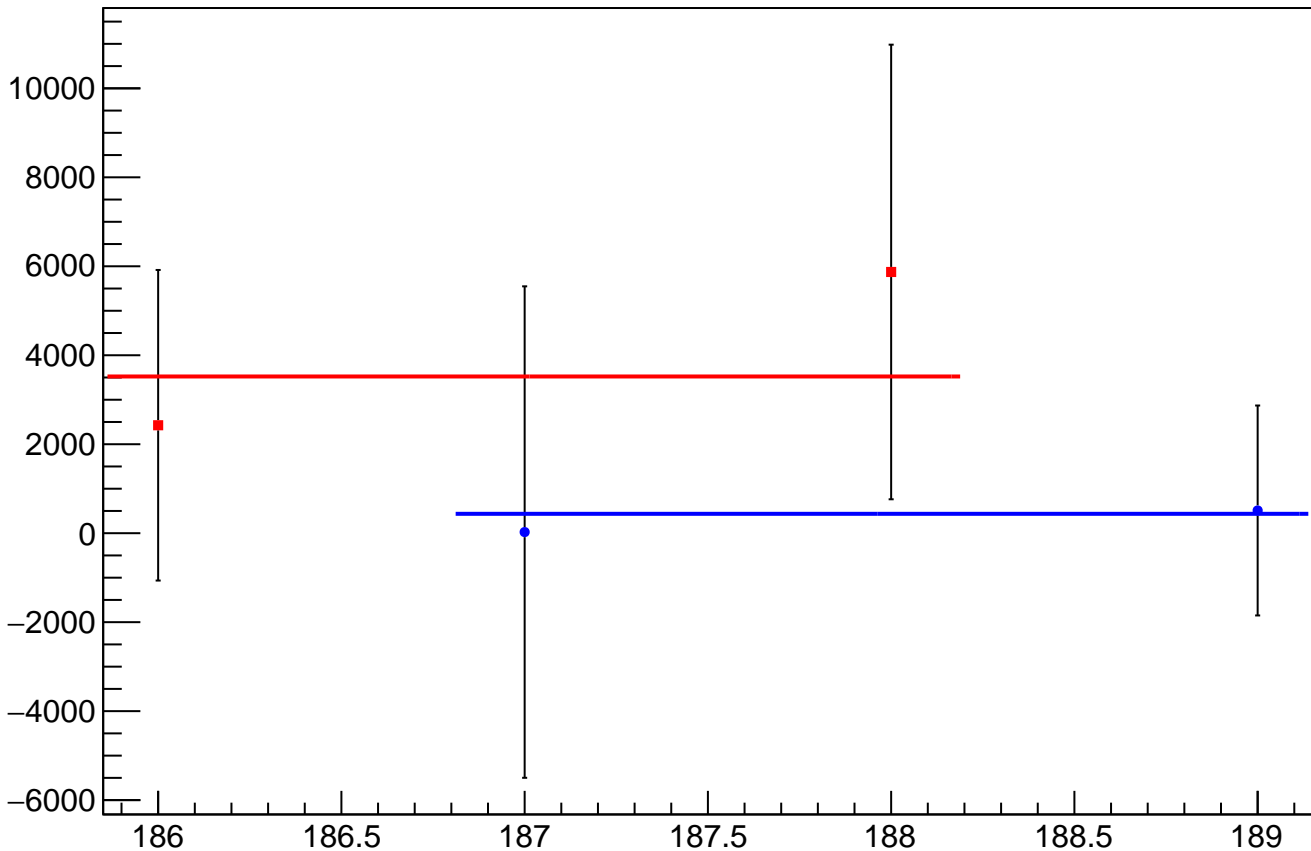
Right: 1309.899+/-0.856  $\chi^2$ /NDF: 7329.2/3

In: 1253.052+/-1.121  $\chi^2$ /NDF:291.4/1

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

All: 1309.899+/-0.856  $\chi^2$ /NDF: 7329.2/3

asym\_atl\_dd\_atr\_dd\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 435.648+/-2169.960  $\chi^2$ /NDF: 0.0/1

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

Right Out: 3522.829+/-2882.384  $\chi^2$ /NDF: 0.3/1

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

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

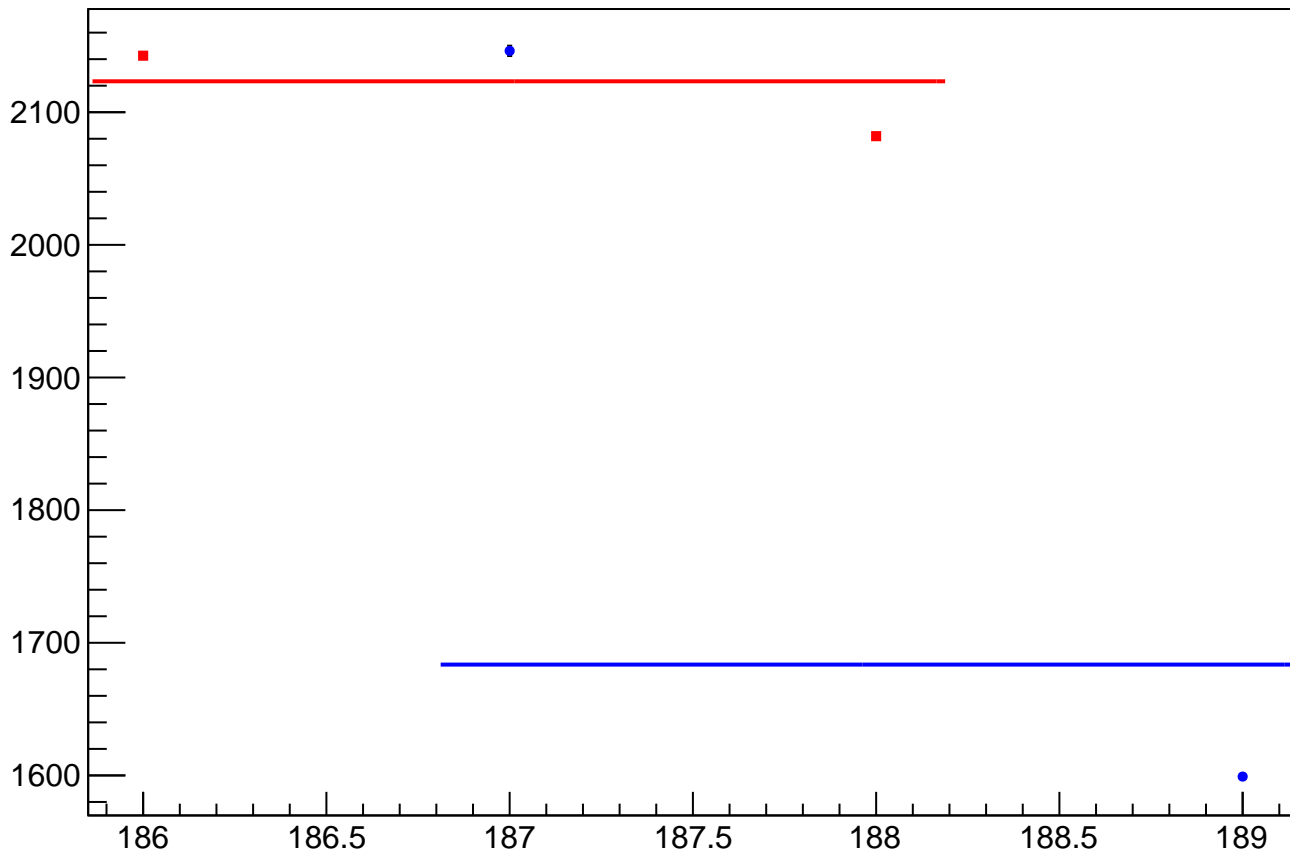
Right: 1552.407+/-1733.606  $\chi^2$ /NDF: 1.0/3

In: 435.648+/-2169.960  $\chi^2$ /NDF:0.0/1

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

All: 1552.407+/-1733.606  $\chi^2$ /NDF: 1.0/3

asym\_atl\_dd\_atr\_dd\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1683.564+/-1.534  $\chi^2$ /NDF: 16593.6/1

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

Right Out: 2123.312+/-2.038  $\chi^2$ /NDF: 192.3/1

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

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

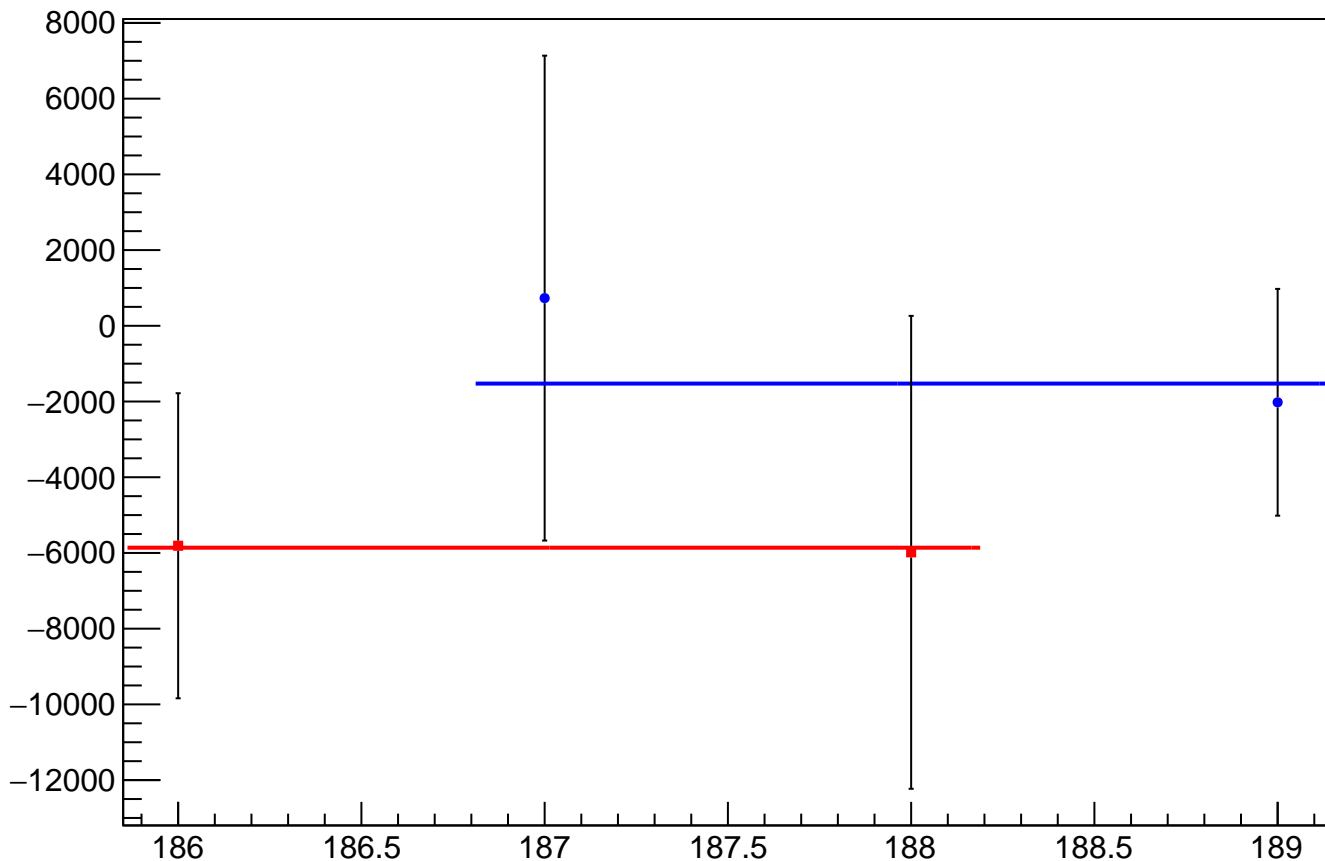
Right: 1842.639+/-1.226  $\chi^2$ /NDF: 46497.8/3

In: 1683.564+/-1.534  $\chi^2$ /NDF:16593.6/1

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

All: 1842.639+/-1.226  $\chi^2$ /NDF: 46497.8/3

# asym\_atl\_dd\_atr\_dd\_dd\_mean vs Slug, Sign Corrected



Right In: -1526.496+/-2713.125  $\chi^2$ /NDF: 0.2/1

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

Right Out: -5861.048+/-3385.885  $\chi^2$ /NDF: 0.0/1

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

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

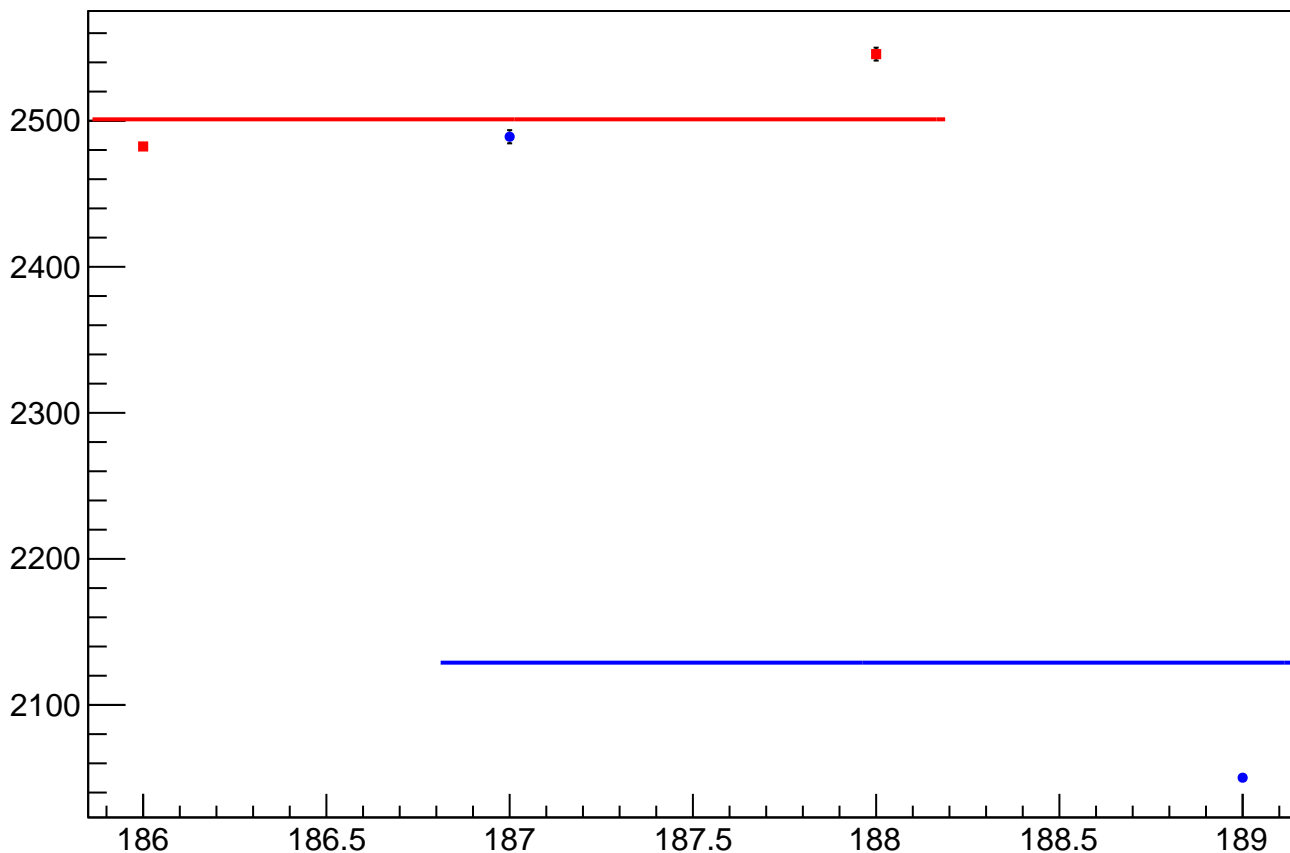
Right: -3221.391+/-2117.247  $\chi^2$ /NDF: 1.2/3

In: -1526.496+/-2713.125  $\chi^2$ /NDF:0.2/1

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

All: -3221.391+/-2117.247  $\chi^2$ /NDF: 1.2/3

# asym\_atl\_dd\_atr\_dd\_dd\_rms vs Slug, Sign Corrected



Right In: 2128.948+/-1.918  $\chi^2$ /NDF: 7708.4/1

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

Right Out: 2500.997+/-2.394  $\chi^2$ /NDF: 144.7/1

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

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

Right: 2274.426+/-1.497  $\chi^2$ /NDF: 22558.9/3

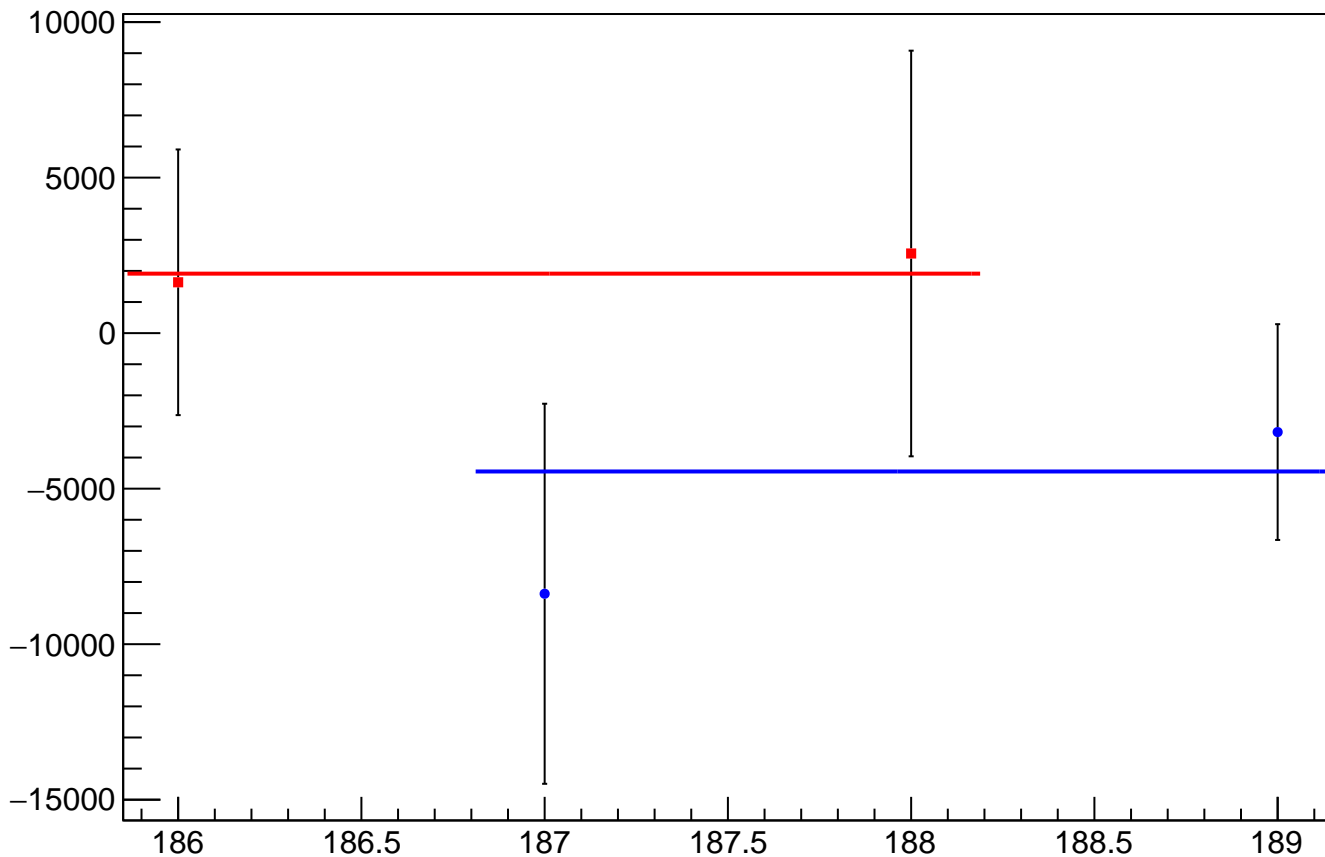
In: 2128.948+/-1.918  $\chi^2$ /NDF:7708.4/1

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

All: 2274.426+/-1.497  $\chi^2$ /NDF: 22558.9/3



# dit\_asym\_atl1\_mean vs Slug, Sign Corrected



Right In:  $-4447.620 \pm 3016.334$   $\chi^2/\text{NDF}: 0.5/1$

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

Right Out:  $1912.564 \pm 3572.536$   $\chi^2/\text{NDF}: 0.0/1$

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

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

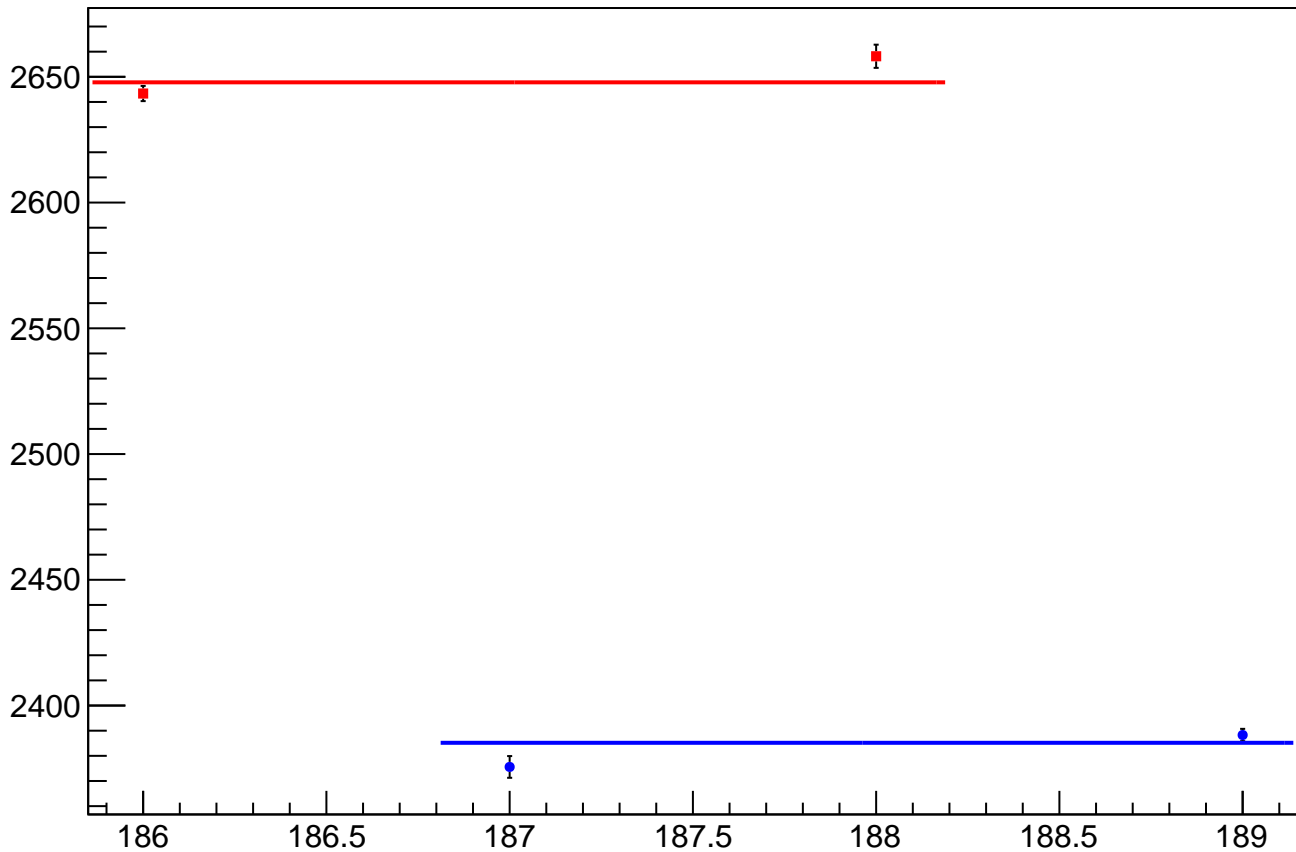
Right:  $-1800.627 \pm 2304.720$   $\chi^2/\text{NDF}: 2.4/3$

In:  $-4447.620 \pm 3016.334$   $\chi^2/\text{NDF}: 0.5/1$

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

All:  $-1800.627 \pm 2304.720$   $\chi^2/\text{NDF}: 2.4/3$

# dit\_asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 2385.187+/-2.133  $\chi^2/\text{NDF}$ : 6.5/1

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

Right Out: 2647.805+/-2.526  $\chi^2/\text{NDF}$ : 7.2/1

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

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

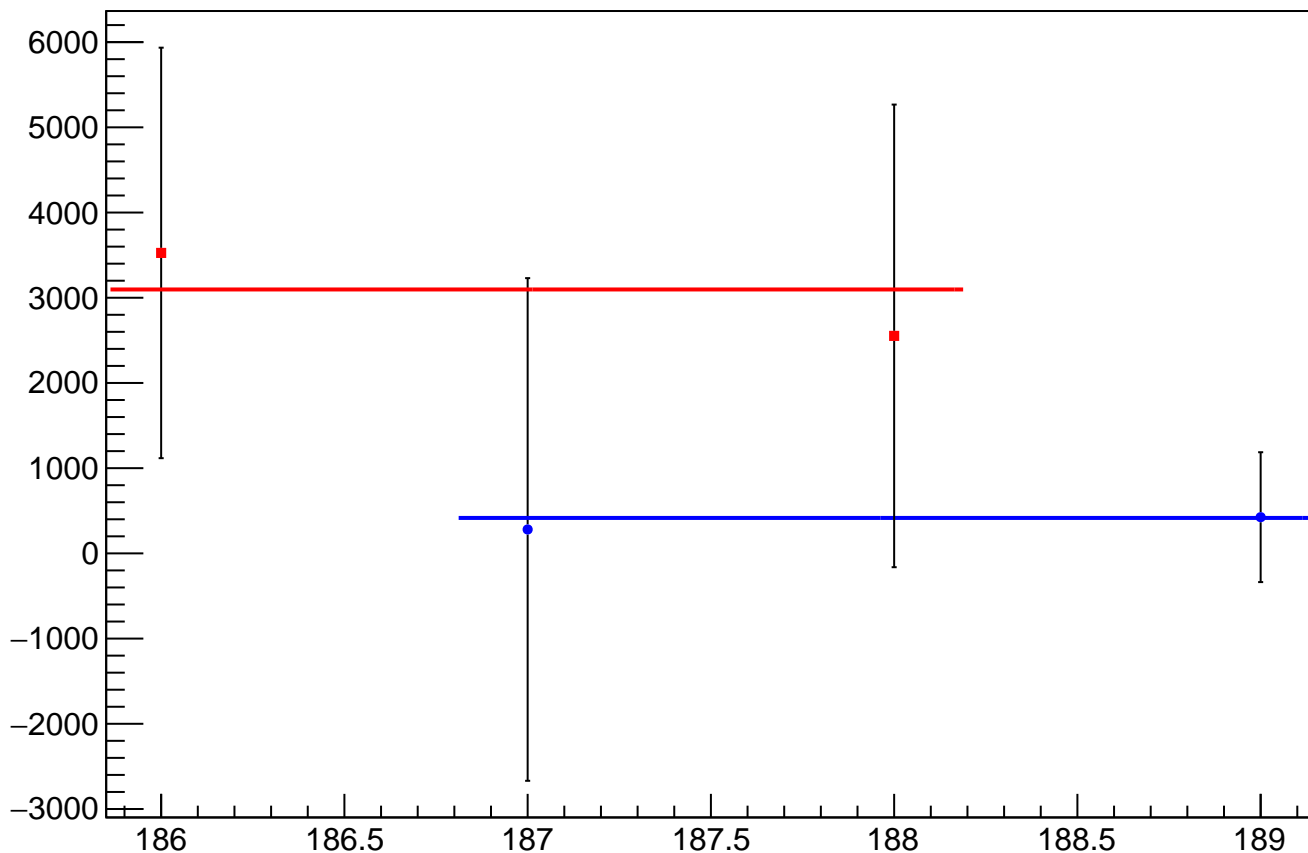
Right: 2494.483+/-1.630  $\chi^2/\text{NDF}$ : 6323.4/3

In: 2385.187+/-2.133  $\chi^2/\text{NDF}$ : 6.5/1

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

All: 2494.483+/-1.630  $\chi^2/\text{NDF}$ : 6323.4/3

# asym\_atl1\_correction\_mean vs Slug, Sign Corrected



Right In: 415.966+/-737.833  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: 3097.190+/-1801.773  $\chi^2/\text{NDF}$ : 0.1/1

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

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

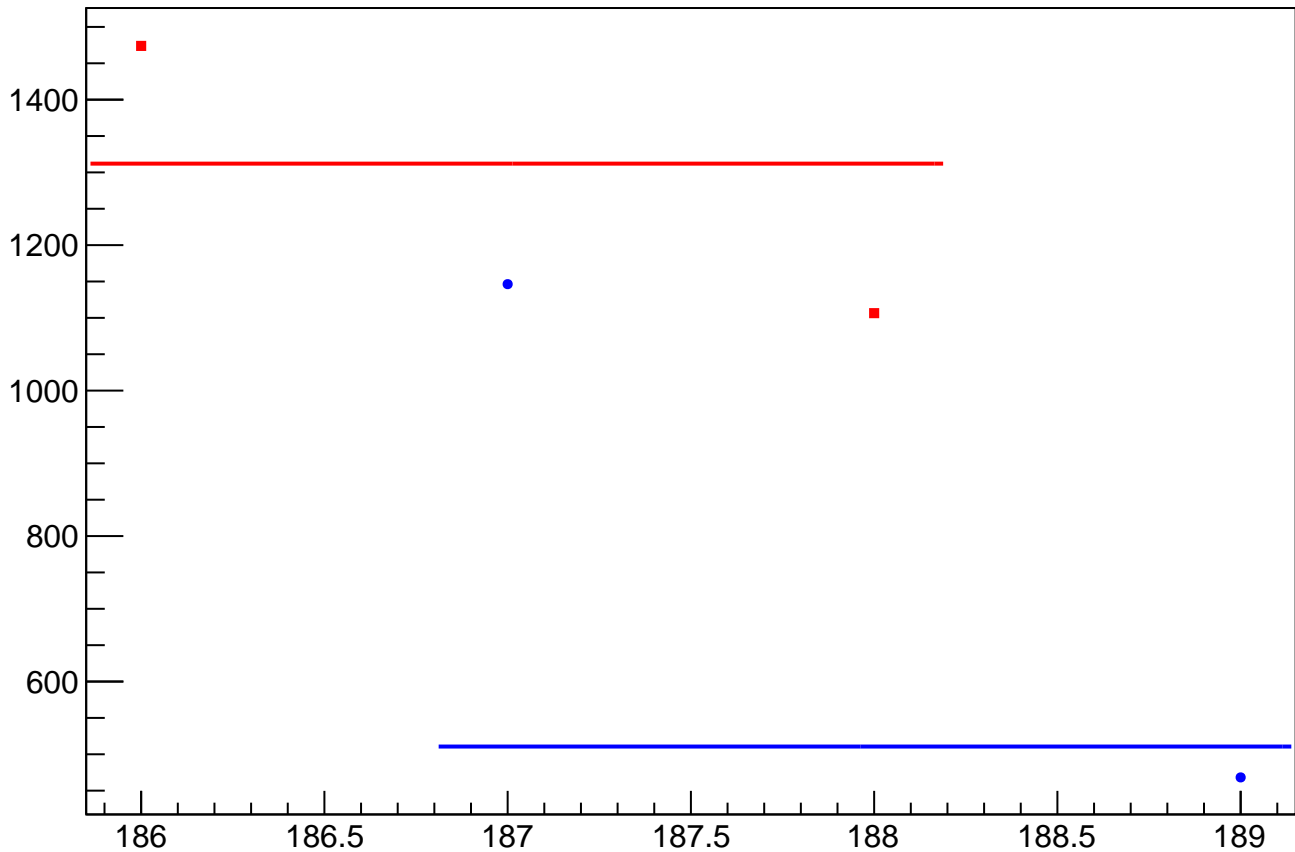
Right: 801.019+/-682.800  $\chi^2/\text{NDF}$ : 2.0/3

In: 415.966+/-737.833  $\chi^2/\text{NDF}$ :0.0/1

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

All: 801.019+/-682.800  $\chi^2/\text{NDF}$ : 2.0/3

# asym\_atl1\_correction\_rms vs Slug, Sign Corrected



Right In: 510.635+/-0.522  $\chi^2/\text{NDF}$ : 99105.2/1

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

Right Out: 1312.044+/-1.274  $\chi^2/\text{NDF}$ : 20497.6/1

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

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

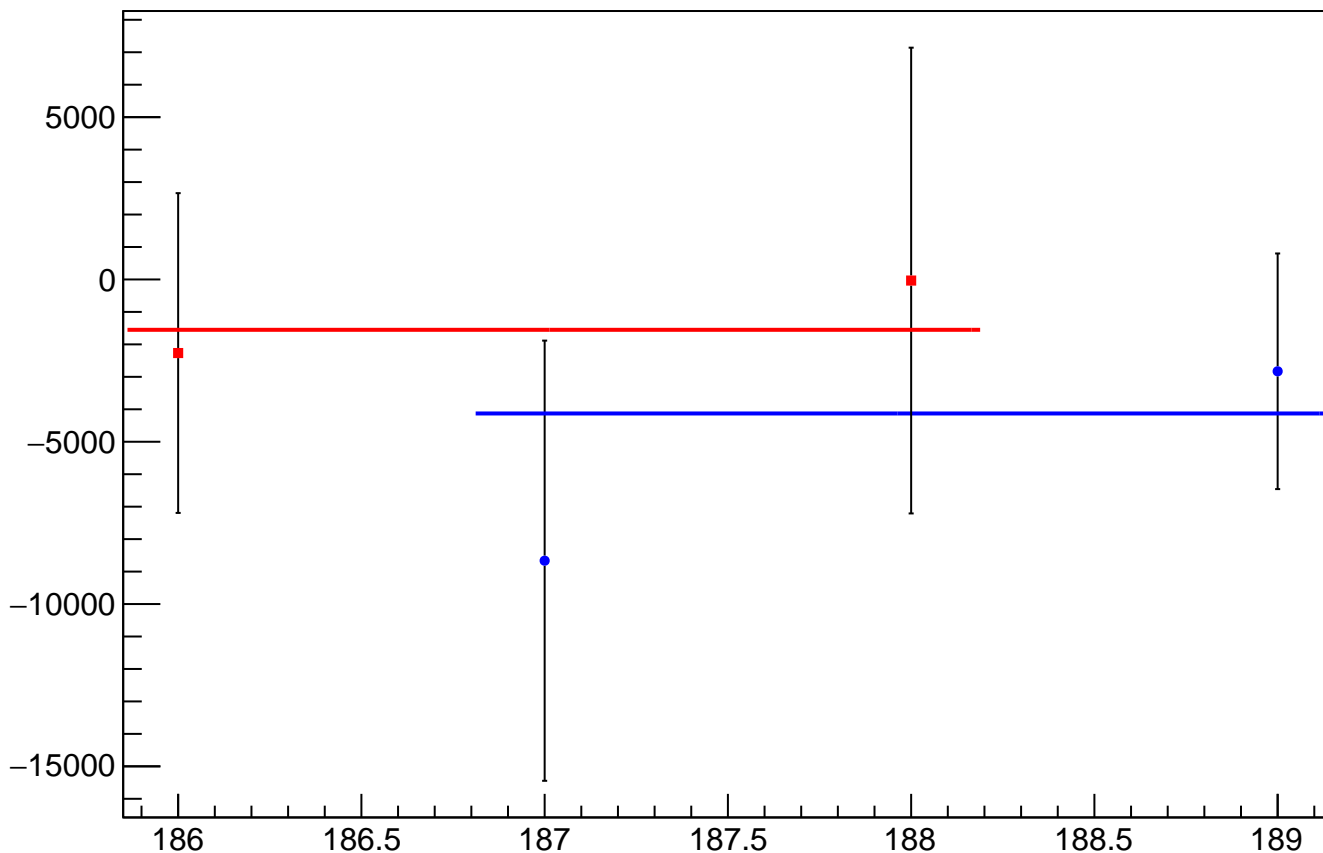
Right: 625.726+/-0.483  $\chi^2/\text{NDF}$ : 458454.5/3

In: 510.635+/-0.522  $\chi^2/\text{NDF}$ : 99105.2/1

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

All: 625.726+/-0.483  $\chi^2/\text{NDF}$ : 458454.5/3

# asym\_atl1\_mean vs Slug, Sign Corrected



Right In: -4128.743+/-3199.886  $\chi^2$ /NDF: 0.6/1

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

Right Out: -1551.477+/-4060.873  $\chi^2$ /NDF: 0.1/1

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

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

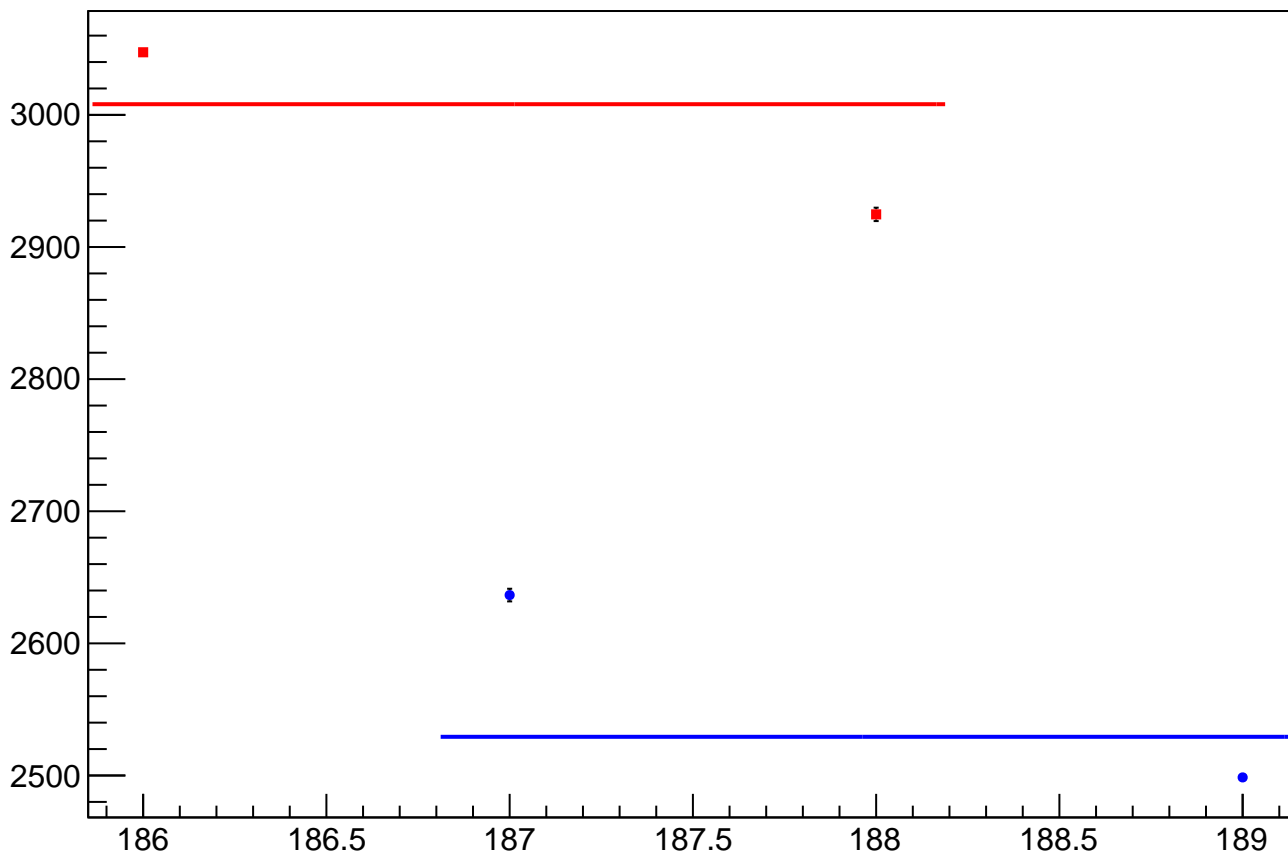
Right: -3141.487+/-2513.360  $\chi^2$ /NDF: 0.9/3

In: -4128.743+/-3199.886  $\chi^2$ /NDF:0.6/1

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

All: -3141.487+/-2513.360  $\chi^2$ /NDF: 0.9/3

# asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 2529.285+/-2.263  $\chi^2$ /NDF: 644.0/1

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

Right Out: 3008.091+/-2.871  $\chi^2$ /NDF: 397.5/1

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

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

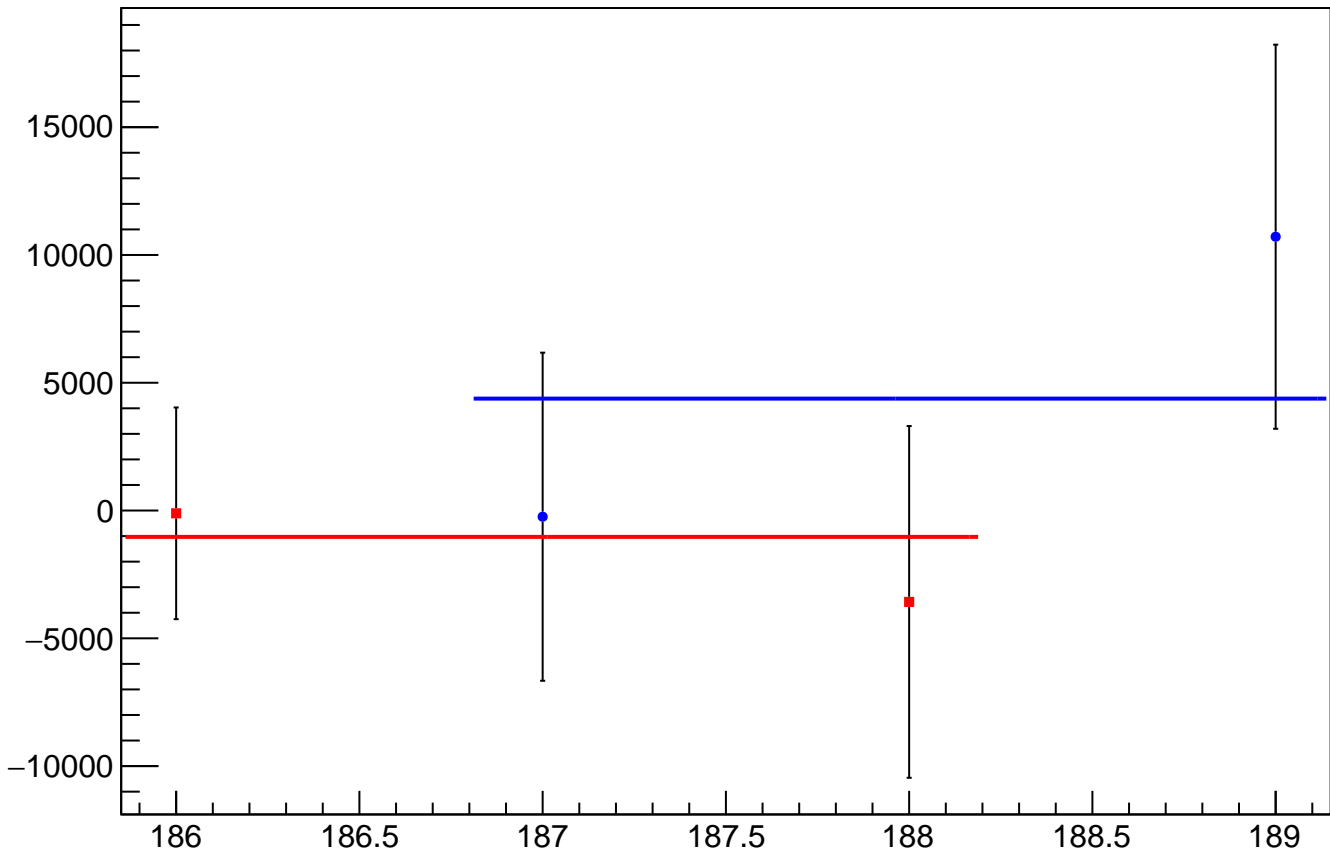
Right: 2712.698+/-1.777  $\chi^2$ /NDF: 18195.0/3

In: 2529.285+/-2.263  $\chi^2$ /NDF:644.0/1

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

All: 2712.698+/-1.777  $\chi^2$ /NDF: 18195.0/3

# dit\_asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 4379.462+/-4881.022  $\chi^2$ /NDF: 1.2/1

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

Right Out: -1031.129+/-3548.941  $\chi^2$ /NDF: 0.2/1

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

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

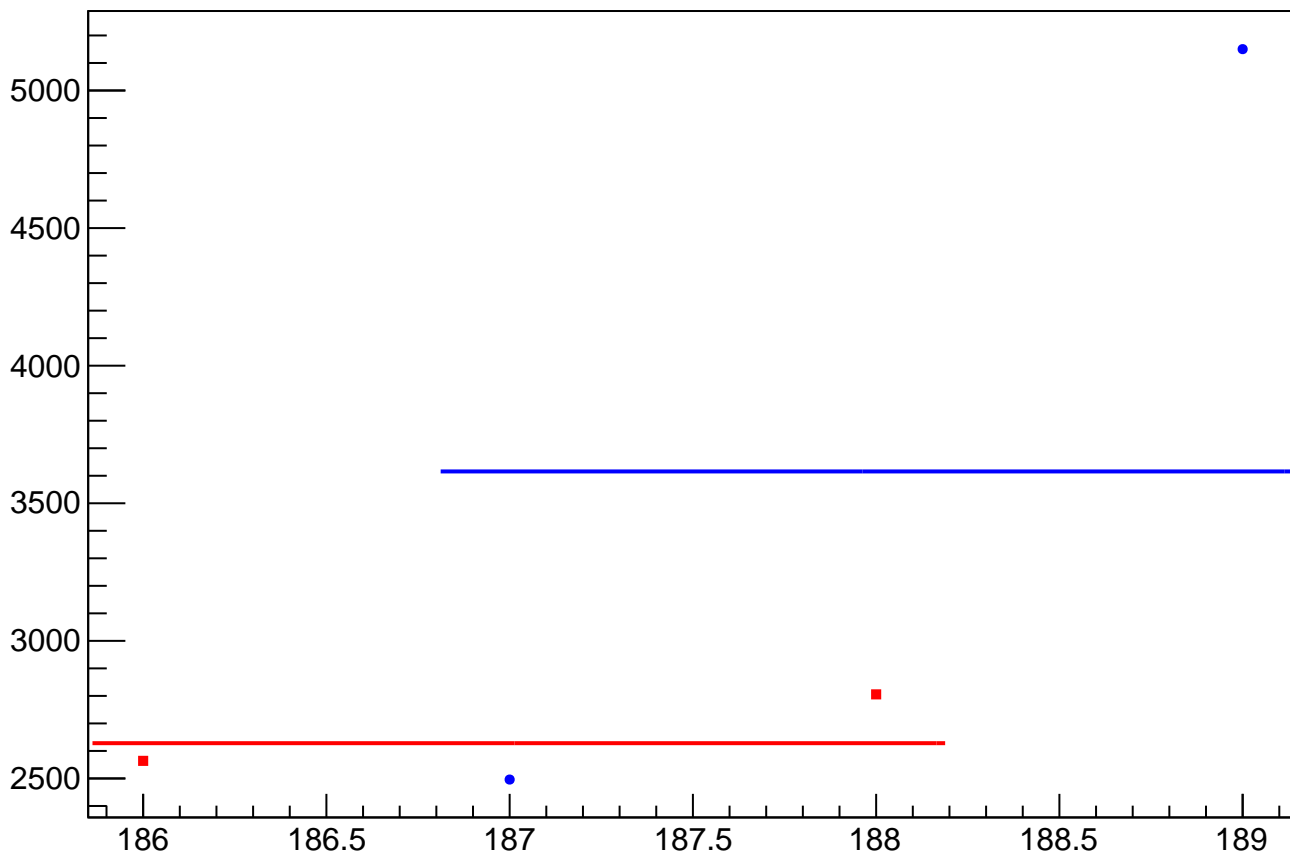
Right: 840.027+/-2870.407  $\chi^2$ /NDF: 2.2/3

In: 4379.462+/-4881.022  $\chi^2$ /NDF:1.2/1

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

All: 840.027+/-2870.407  $\chi^2$ /NDF: 2.2/3

# dit\_asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 3615.700+/-3.451  $\chi^2$ /NDF: 144241.9/1

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

Right Out: 2628.212+/-2.509  $\chi^2$ /NDF: 1809.7/1

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

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

Right: 2969.717+/-2.030  $\chi^2$ /NDF: 199601.8/3

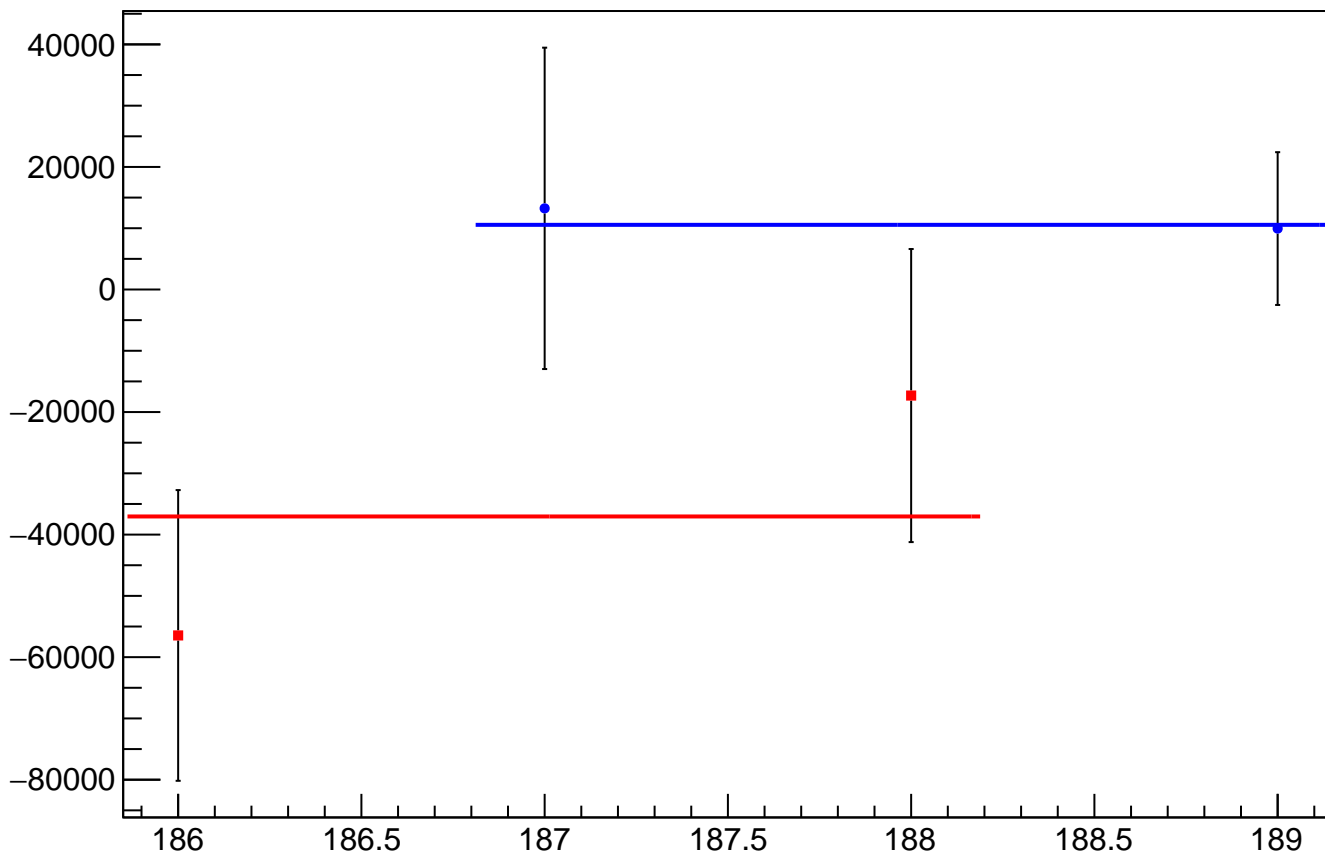
In: 3615.700+/-3.451  $\chi^2$ /NDF:144241.9/1

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

All: 2969.717+/-2.030  $\chi^2$ /NDF: 199601.8/3



# asym\_atl2\_correction\_mean vs Slug, Sign Corrected



Right In: 10551.837+/-11258.965  $\chi^2$ /NDF: 0.0/1

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

Right Out: -37039.729+/-16841.869  $\chi^2$ /NDF: 1.4/1

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

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

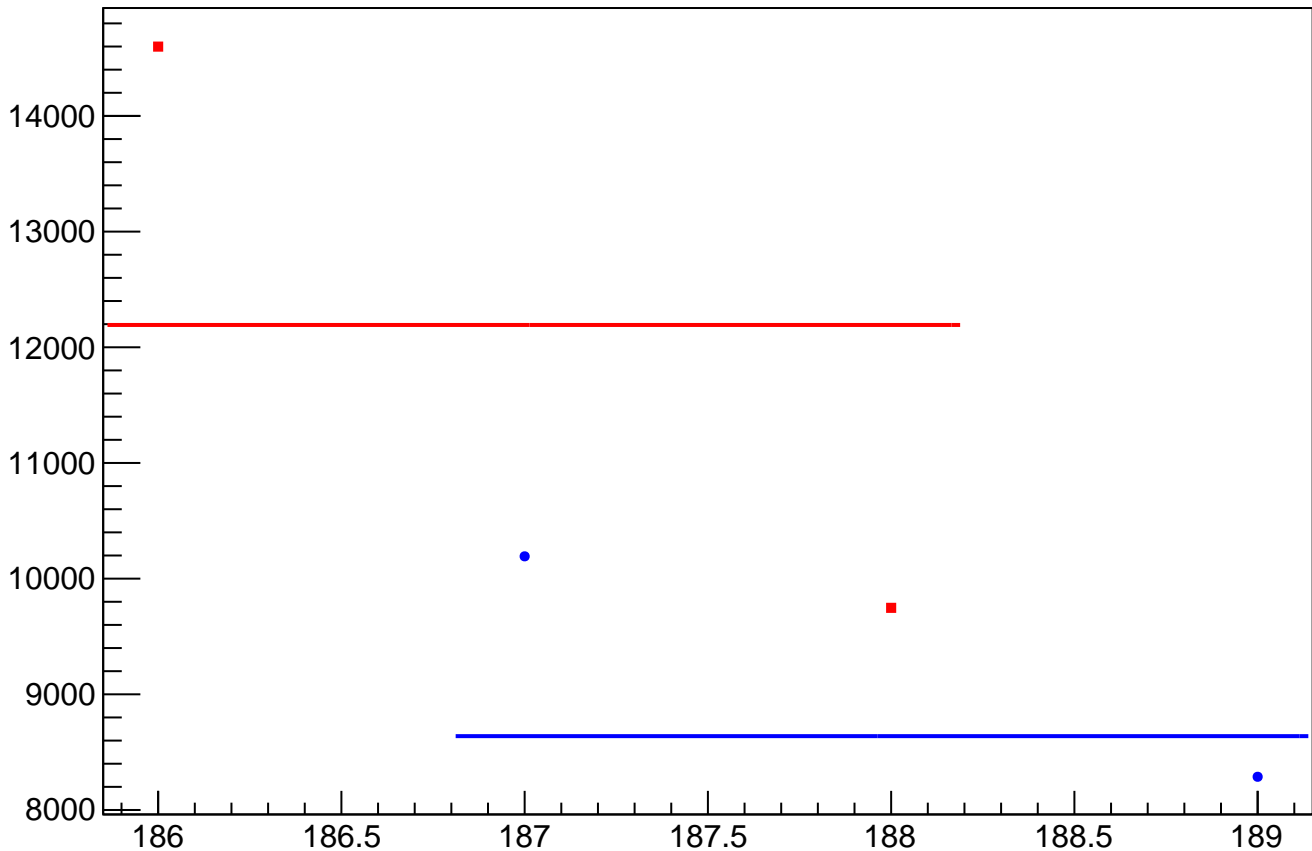
Right: -4147.779+/-9360.052  $\chi^2$ /NDF: 6.9/3

In: 10551.837+/-11258.965  $\chi^2$ /NDF:0.0/1

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

All: -4147.779+/-9360.052  $\chi^2$ /NDF: 6.9/3

# asym\_atl2\_correction\_rms vs Slug, Sign Corrected



Right In: 8638.431+/-7.961  $\chi^2$ /NDF: 8615.3/1

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

Right Out: 12192.990+/-11.909  $\chi^2$ /NDF: 41490.6/1

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

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

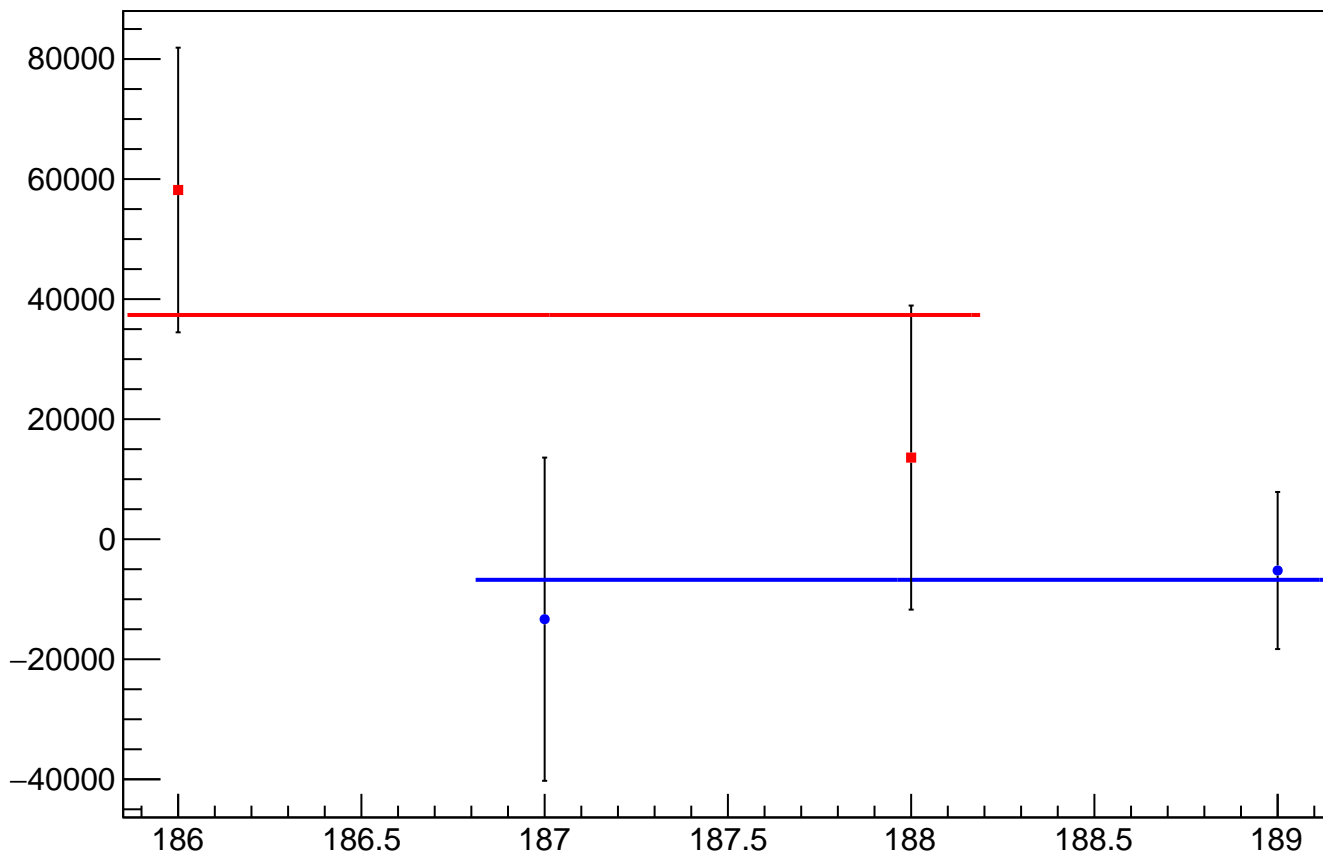
Right: 9736.329+/-6.619  $\chi^2$ /NDF: 111677.5/3

In: 8638.431+/-7.961  $\chi^2$ /NDF:8615.3/1

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

All: 9736.329+/-6.619  $\chi^2$ /NDF: 111677.5/3

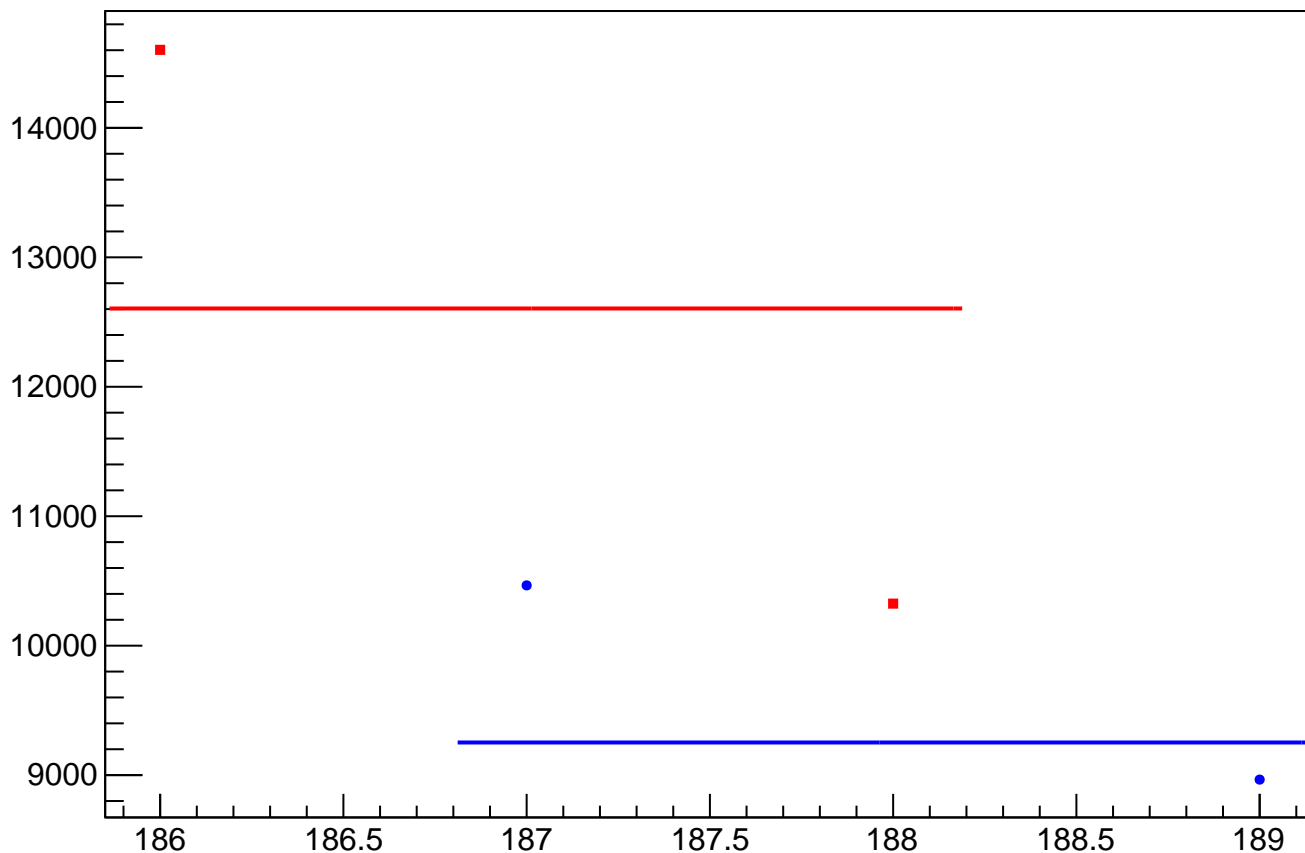
# asym\_atl2\_mean vs Slug, Sign Corrected



Right In: -6765.713+/-11770.530  $\chi^2/\text{NDF}$ : 0.1/1  
Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right Out: 37358.793+/-17311.764  $\chi^2/\text{NDF}$ : 1.7/1  
Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
Right: 7183.746+/-9733.748  $\chi^2/\text{NDF}$ : 6.2/3  
In: -6765.713+/-11770.530  $\chi^2/\text{NDF}$ : 0.1/1  
Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
All: 7183.746+/-9733.748  $\chi^2/\text{NDF}$ : 6.2/3

# asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 9252.177+/-8.323  $\chi^2/\text{NDF}$ : 5023.5/1

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

Right Out: 12604.827+/-12.241  $\chi^2/\text{NDF}$ : 30399.2/1

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

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

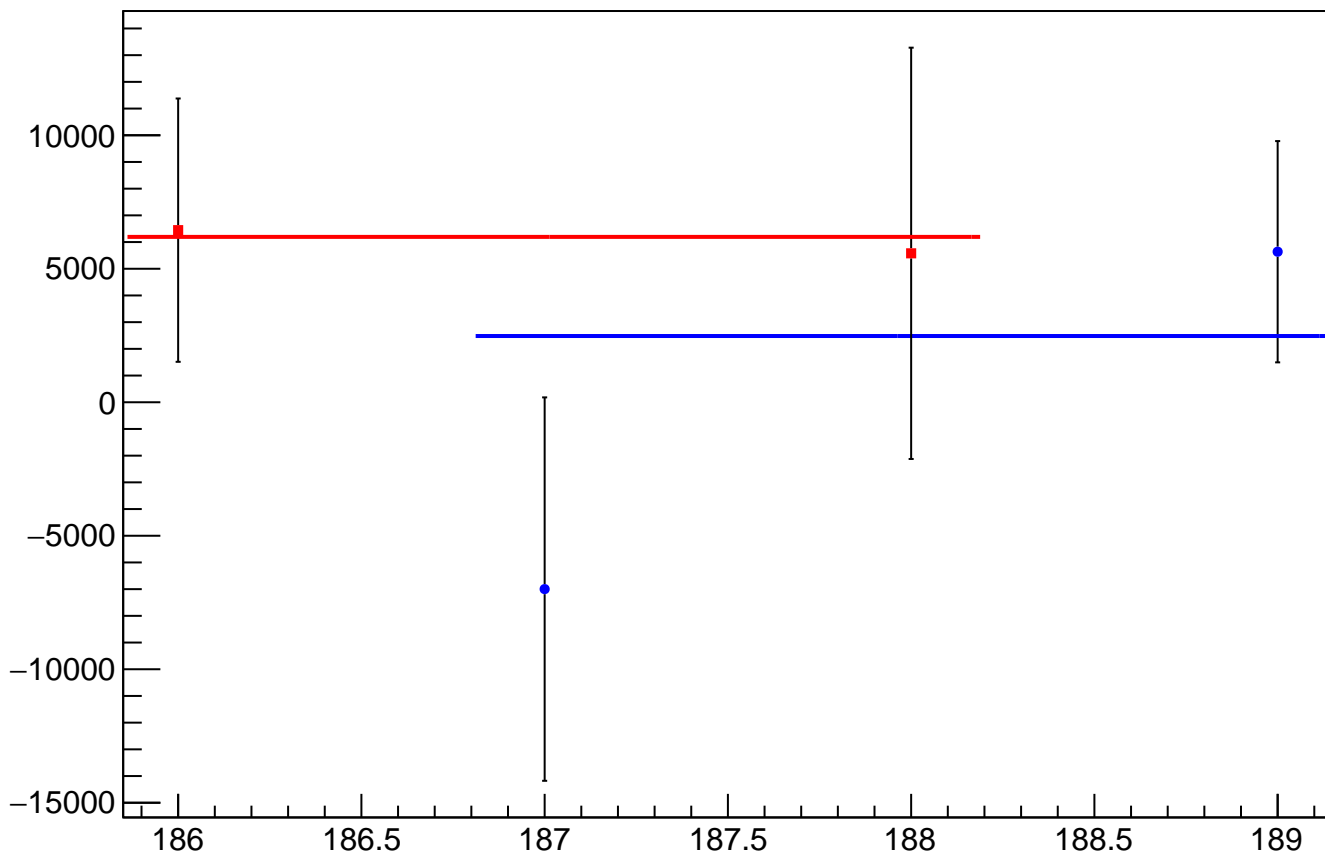
Right: 10312.079+/-6.883  $\chi^2/\text{NDF}$ : 86719.7/3

In: 9252.177+/-8.323  $\chi^2/\text{NDF}$ :5023.5/1

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

All: 10312.079+/-6.883  $\chi^2/\text{NDF}$ : 86719.7/3

# dit\_asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 2480.913+/-3589.090  $\chi^2$ /NDF: 2.3/1

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

Right Out: 6193.661+/-4153.131  $\chi^2$ /NDF: 0.0/1

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

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

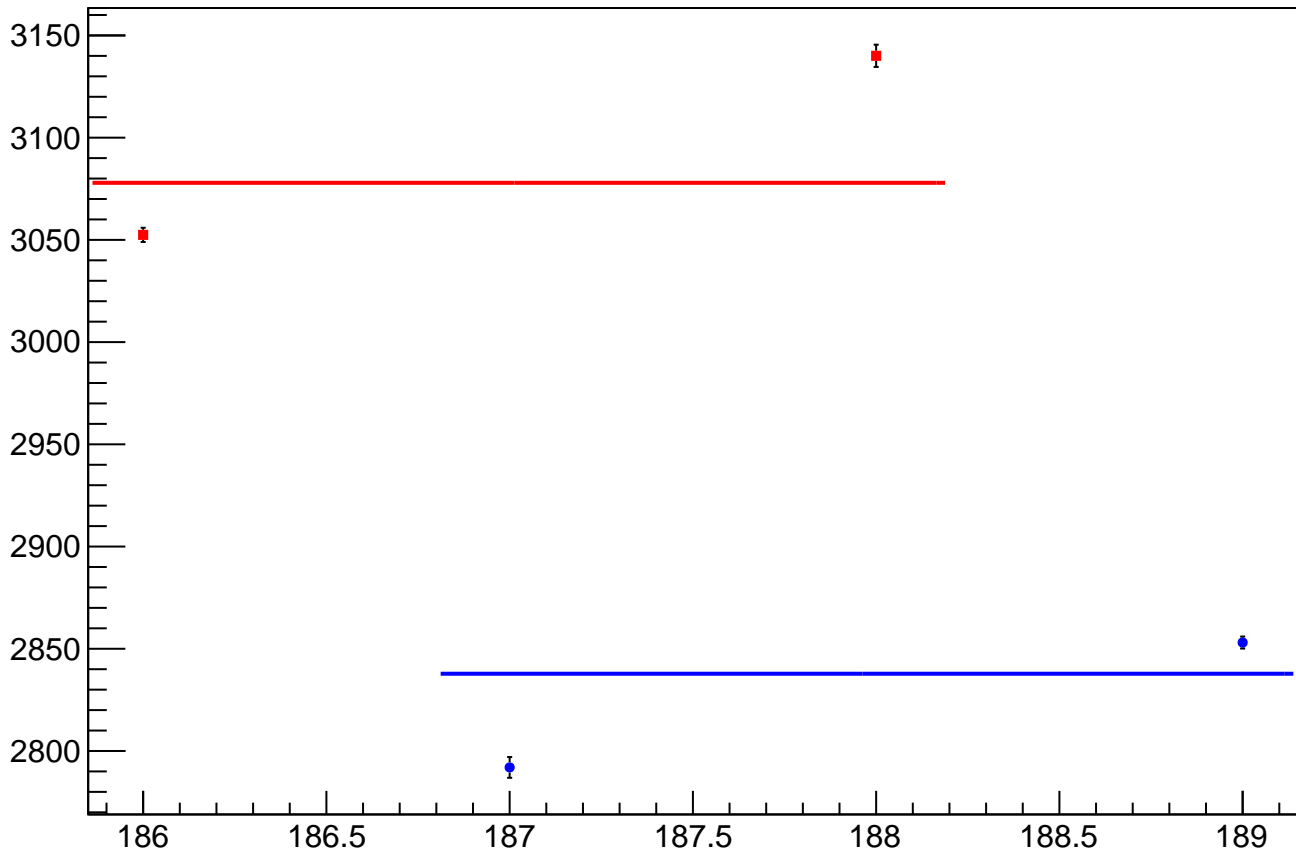
Right: 4068.232+/-2715.563  $\chi^2$ /NDF: 2.8/3

In: 2480.913+/-3589.090  $\chi^2$ /NDF:2.3/1

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

All: 4068.232+/-2715.563  $\chi^2$ /NDF: 2.8/3

# dit\_asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2837.788+/-2.538  $\chi^2$ /NDF: 108.6/1

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

Right Out: 3077.912+/-2.937  $\chi^2$ /NDF: 183.4/1

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

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

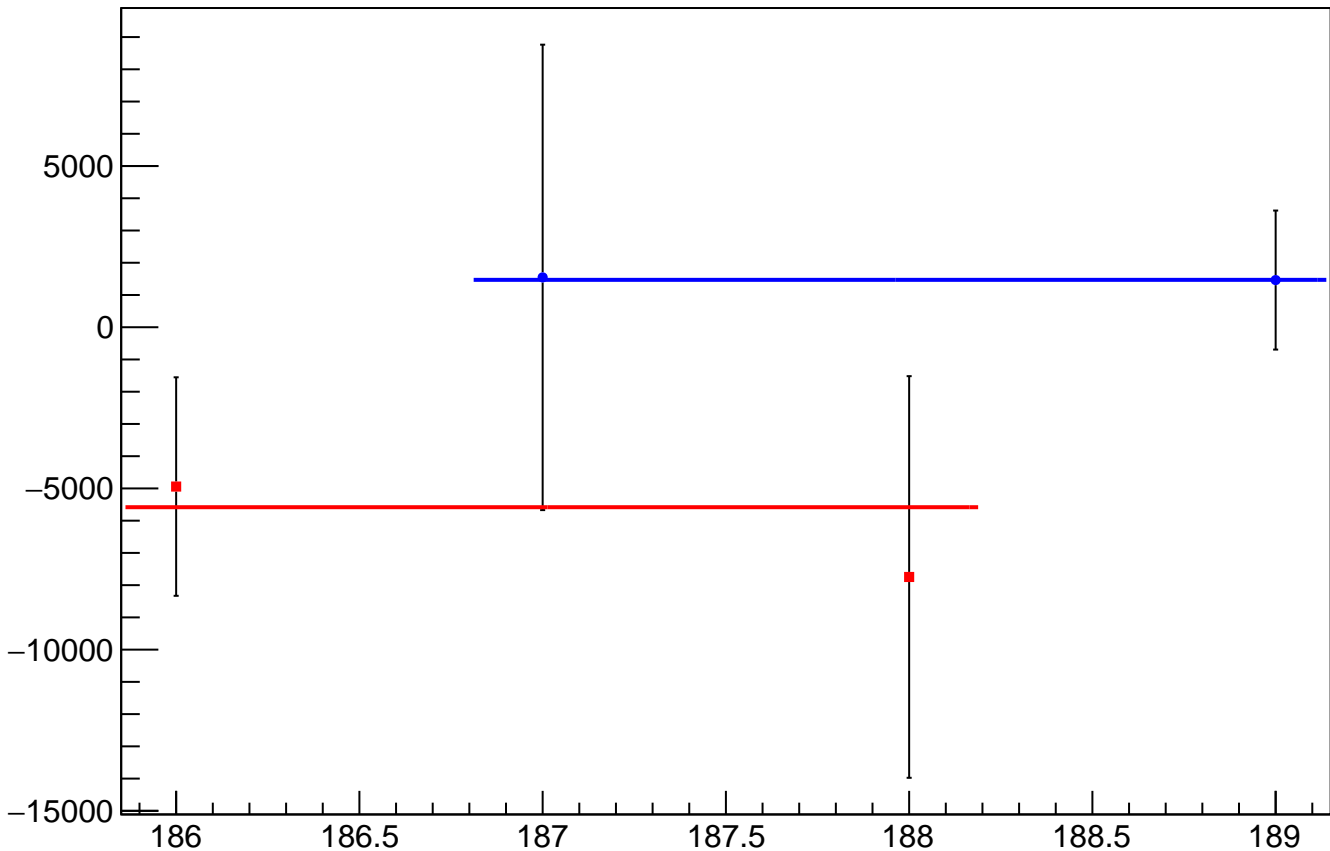
Right: 2940.449+/-1.920  $\chi^2$ /NDF: 4119.4/3

In: 2837.788+/-2.538  $\chi^2$ /NDF:108.6/1

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

All: 2940.449+/-1.920  $\chi^2$ /NDF: 4119.4/3

# asym\_atr1\_correction\_mean vs Slug, Sign Corrected



Right In: 1469.781+/-2065.849  $\chi^2$ /NDF: 0.0/1

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

Right Out: -5582.338+/-2976.889  $\chi^2$ /NDF: 0.2/1

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

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

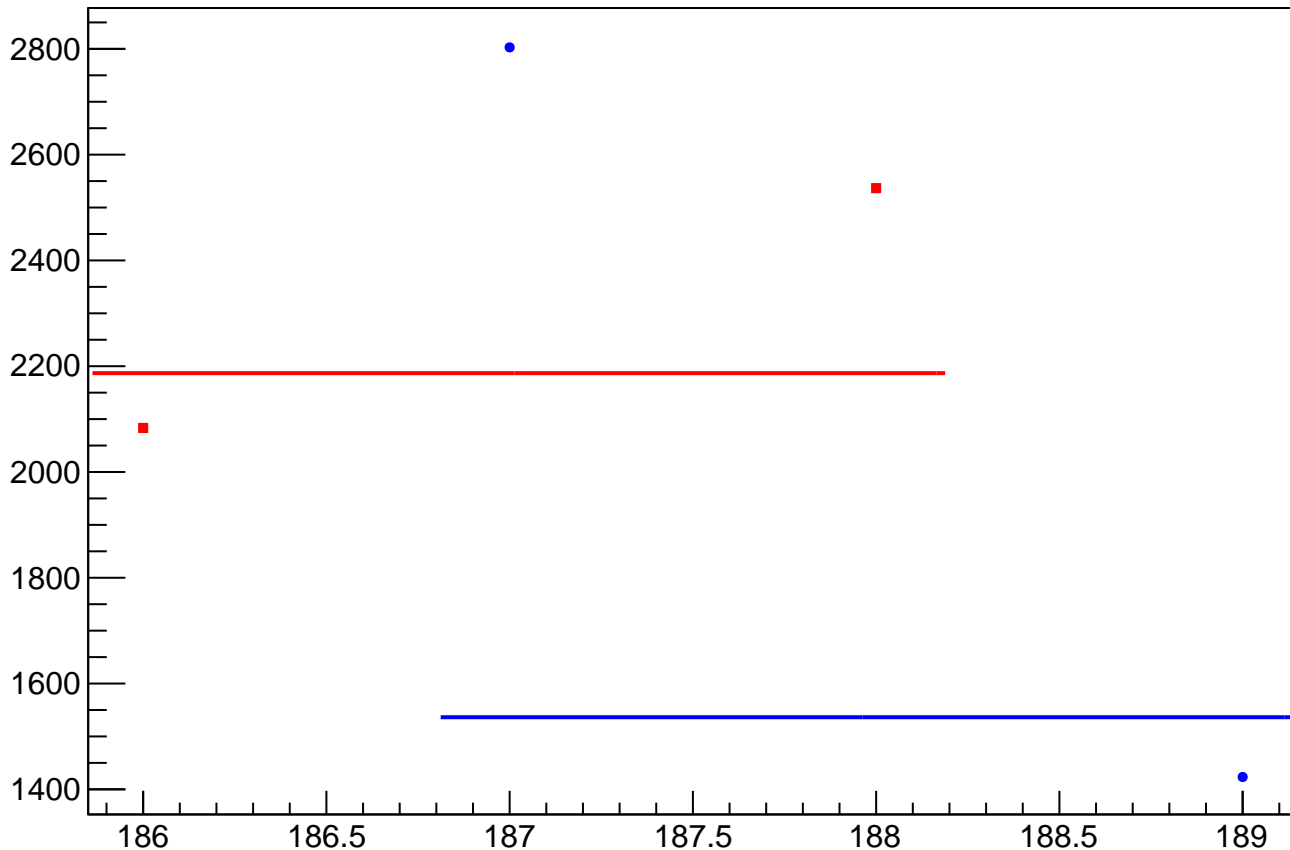
Right: -822.486+/-1697.209  $\chi^2$ /NDF: 3.9/3

In: 1469.781+/-2065.849  $\chi^2$ /NDF:0.0/1

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

All: -822.486+/-1697.209  $\chi^2$ /NDF: 3.9/3

# asym\_atr1\_correction\_rms vs Slug, Sign Corrected



Right In: 1536.314+/-1.461  $\chi^2$ /NDF: 67066.4/1

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

Right Out: 2186.871+/-2.105  $\chi^2$ /NDF: 8175.6/1

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

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

Right: 1747.775+/-1.200  $\chi^2$ /NDF: 139710.8/3

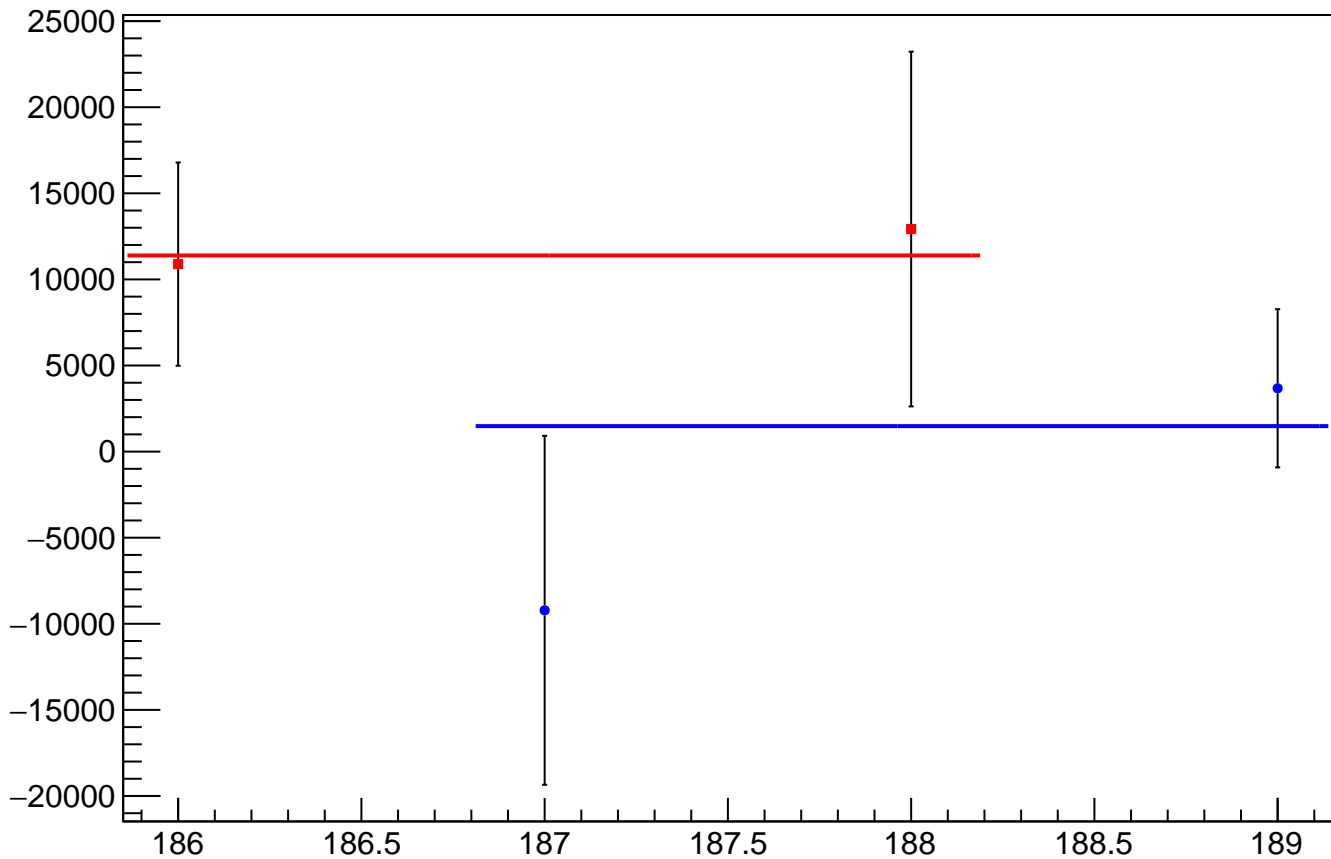
In: 1536.314+/-1.461  $\chi^2$ /NDF:67066.4/1

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

All: 1747.775+/-1.200  $\chi^2$ /NDF: 139710.8/3



# asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 1479.032+/-4184.205  $\chi^2$ /NDF: 1.3/1

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

Right Out: 11390.174+/-5120.402  $\chi^2$ /NDF: 0.0/1

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

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

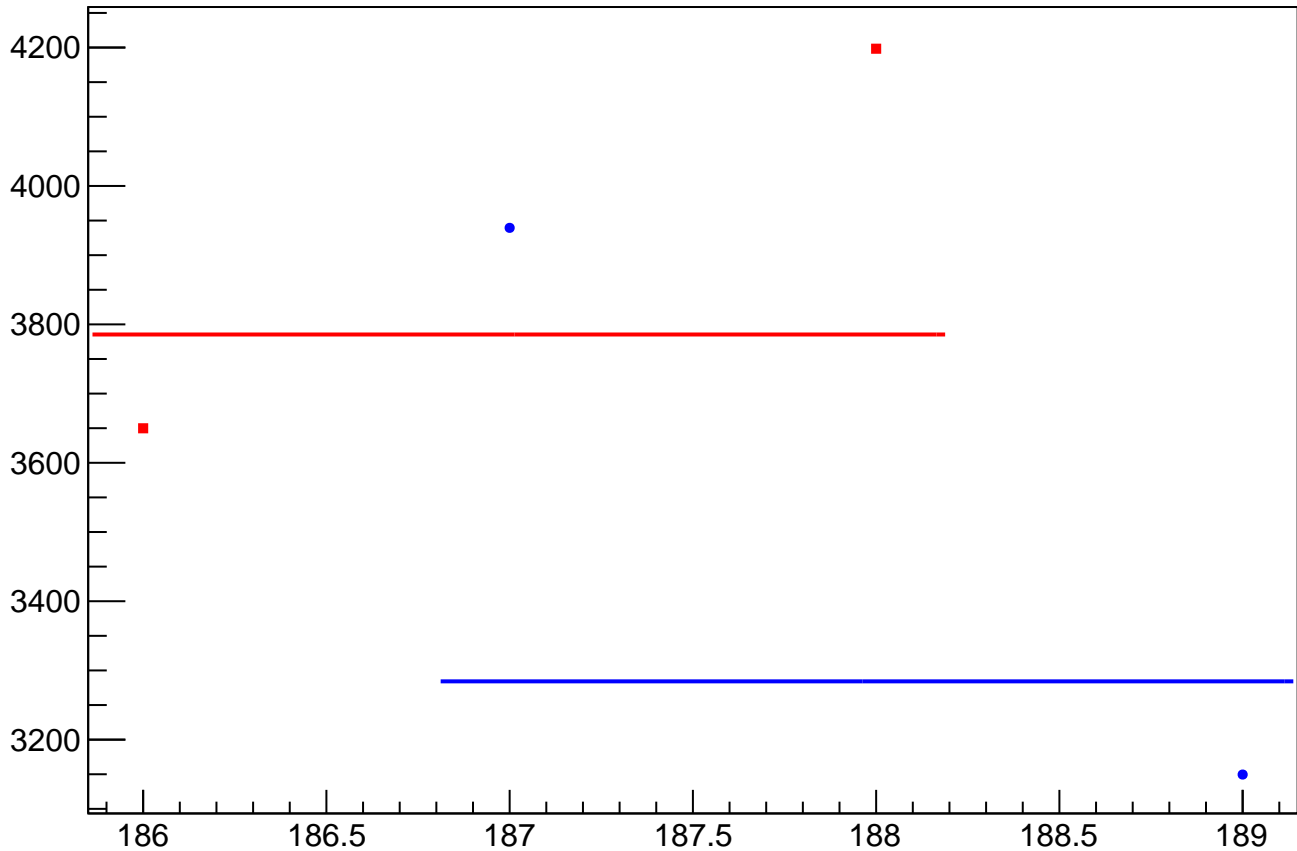
Right: 5447.373+/-3240.012  $\chi^2$ /NDF: 3.6/3

In: 1479.032+/-4184.205  $\chi^2$ /NDF:1.3/1

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

All: 5447.373+/-3240.012  $\chi^2$ /NDF: 3.6/3

# asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 3284.226+/-2.959  $\chi^2$ /NDF: 10079.5/1

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

Right Out: 3785.385+/-3.621  $\chi^2$ /NDF: 4268.3/1

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

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

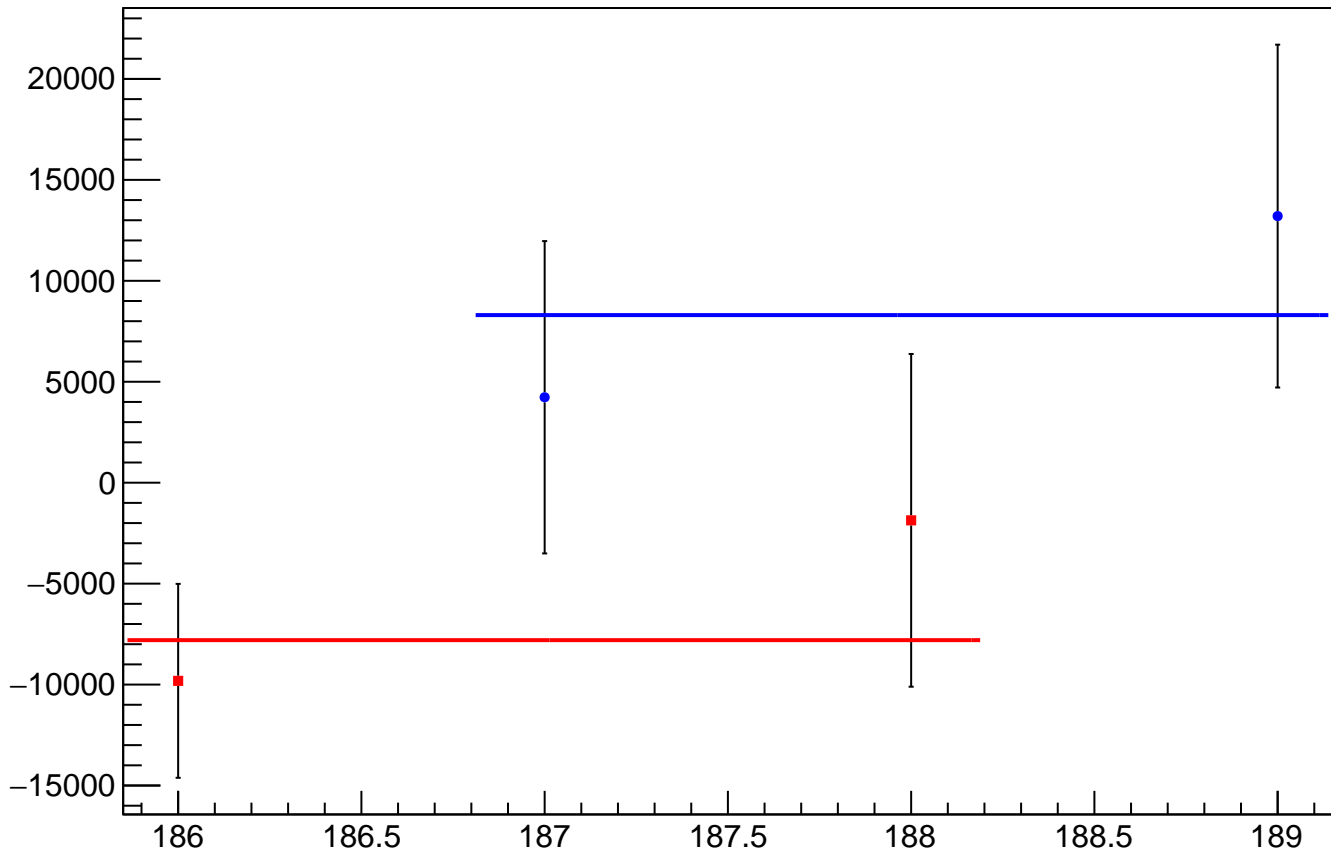
Right: 3484.886+/-2.291  $\chi^2$ /NDF: 25835.7/3

In: 3284.226+/-2.959  $\chi^2$ /NDF:10079.5/1

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

All: 3484.886+/-2.291  $\chi^2$ /NDF: 25835.7/3

# dit\_asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 8301.900+/-5718.398  $\chi^2$ /NDF: 0.6/1

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

Right Out: -7799.396+/-4149.516  $\chi^2$ /NDF: 0.7/1

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

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

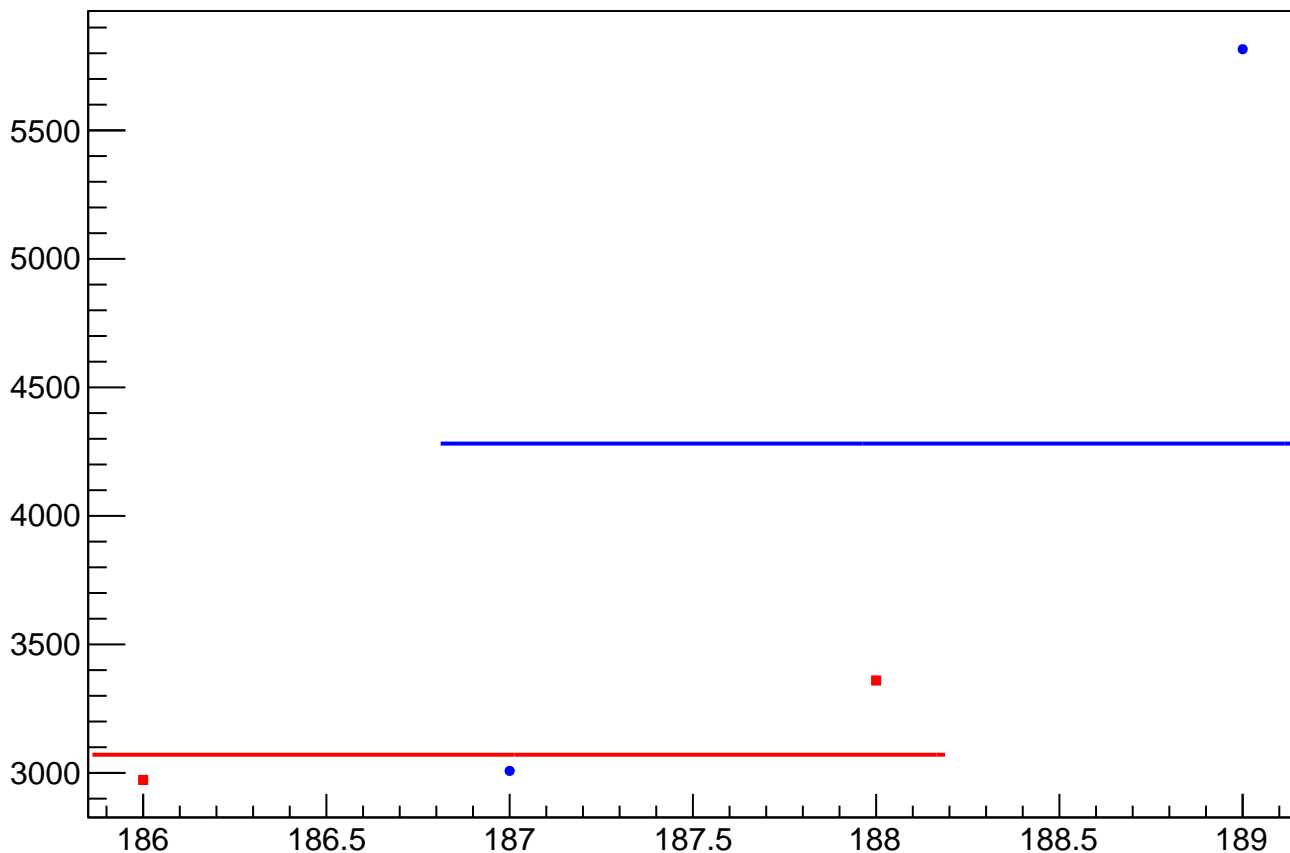
Right: -2245.553+/-3358.465  $\chi^2$ /NDF: 6.5/3

In: 8301.900+/-5718.398  $\chi^2$ /NDF:0.6/1

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

All: -2245.553+/-3358.465  $\chi^2$ /NDF: 6.5/3

# dit\_asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 4281.400+/-4.044  $\chi^2/\text{NDF}$ : 119511.3/1

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

Right Out: 3070.857+/-2.934  $\chi^2/\text{NDF}$ : 3289.1/1

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

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

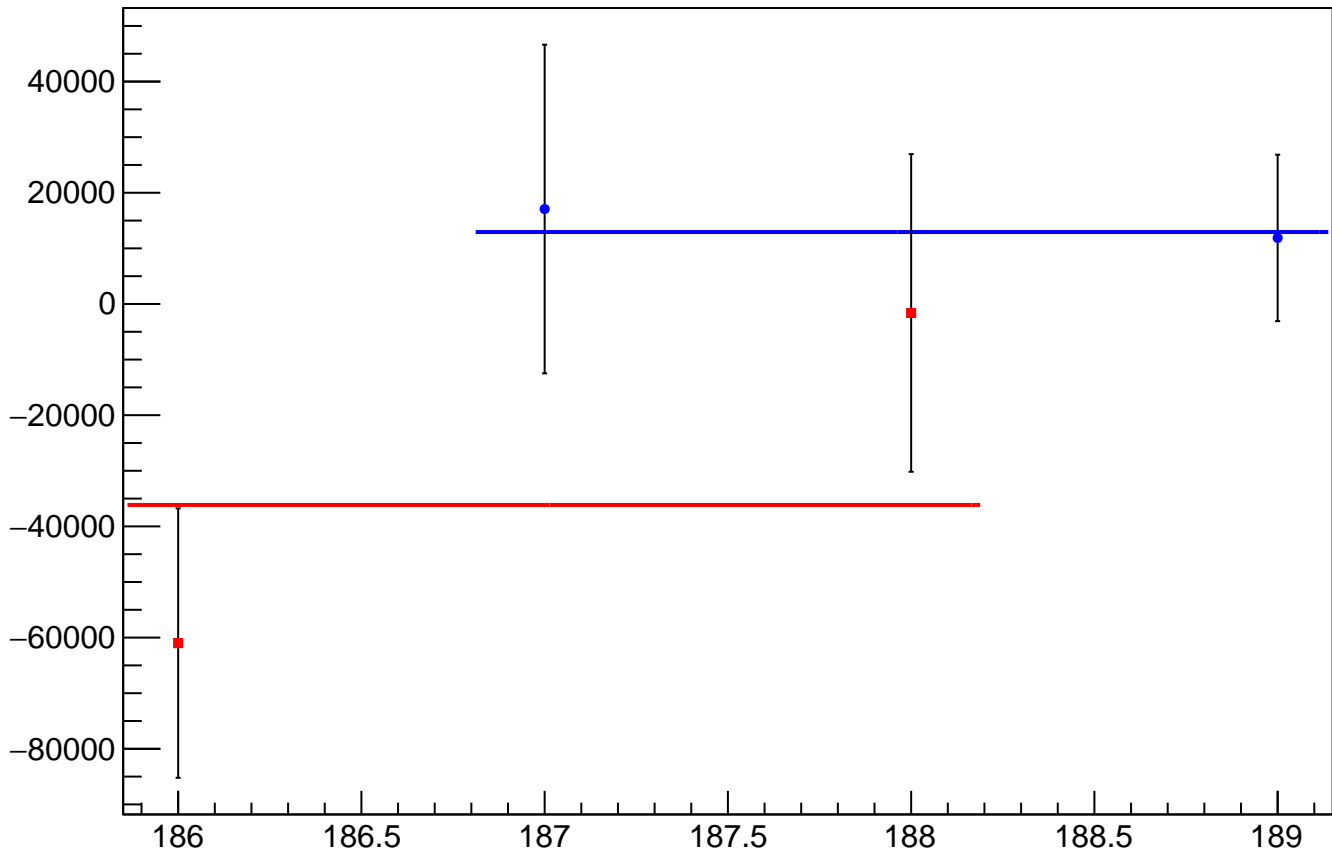
Right: 3488.411+/-2.375  $\chi^2/\text{NDF}$ : 181512.6/3

In: 4281.400+/-4.044  $\chi^2/\text{NDF}$ : 119511.3/1

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

All: 3488.411+/-2.375  $\chi^2/\text{NDF}$ : 181512.6/3

# asym\_atr2\_correction\_mean vs Slug, Sign Corrected



Right In: 12941.689+/-13352.610  $\chi^2$ /NDF: 0.0/1

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

Right Out: -36143.019+/-18476.807  $\chi^2$ /NDF: 2.5/1

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

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

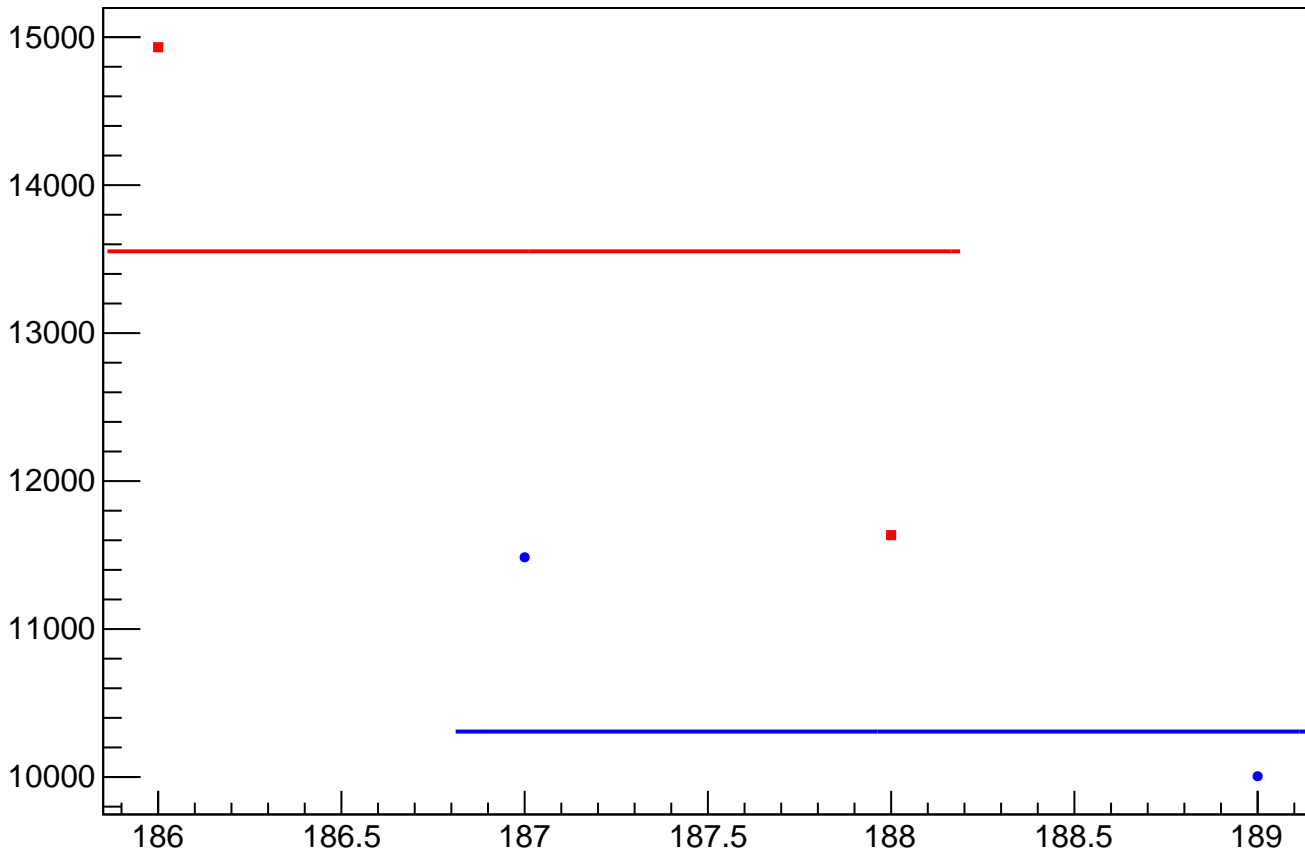
Right: -3898.179+/-10822.389  $\chi^2$ /NDF: 7.2/3

In: 12941.689+/-13352.610  $\chi^2$ /NDF:0.0/1

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

All: -3898.179+/-10822.389  $\chi^2$ /NDF: 7.2/3

# asym\_atr2\_correction\_rms vs Slug, Sign Corrected



Right In: 10307.390+/-9.442  $\chi^2$ /NDF: 3987.2/1

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

Right Out: 13552.505+/-13.065  $\chi^2$ /NDF: 15496.3/1

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

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

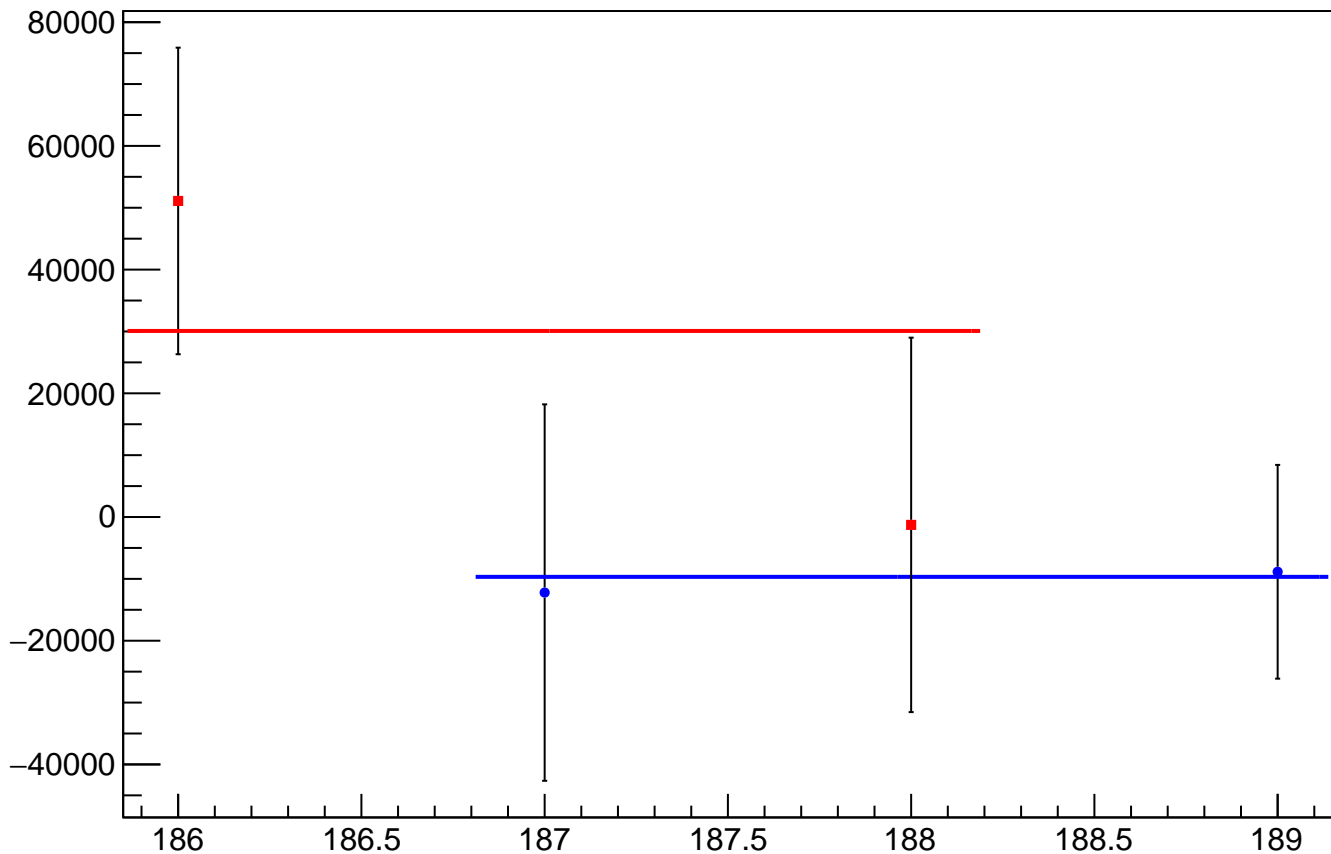
Right: 11420.717+/-7.653  $\chi^2$ /NDF: 60011.0/3

In: 10307.390+/-9.442  $\chi^2$ /NDF:3987.2/1

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

All: 11420.717+/-7.653  $\chi^2$ /NDF: 60011.0/3

# asym\_atr2\_mean vs Slug, Sign Corrected



Right In: -9674.007+/-15026.286  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: 30082.183+/-19175.075  $\chi^2/\text{NDF}$ : 1.8/1

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

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

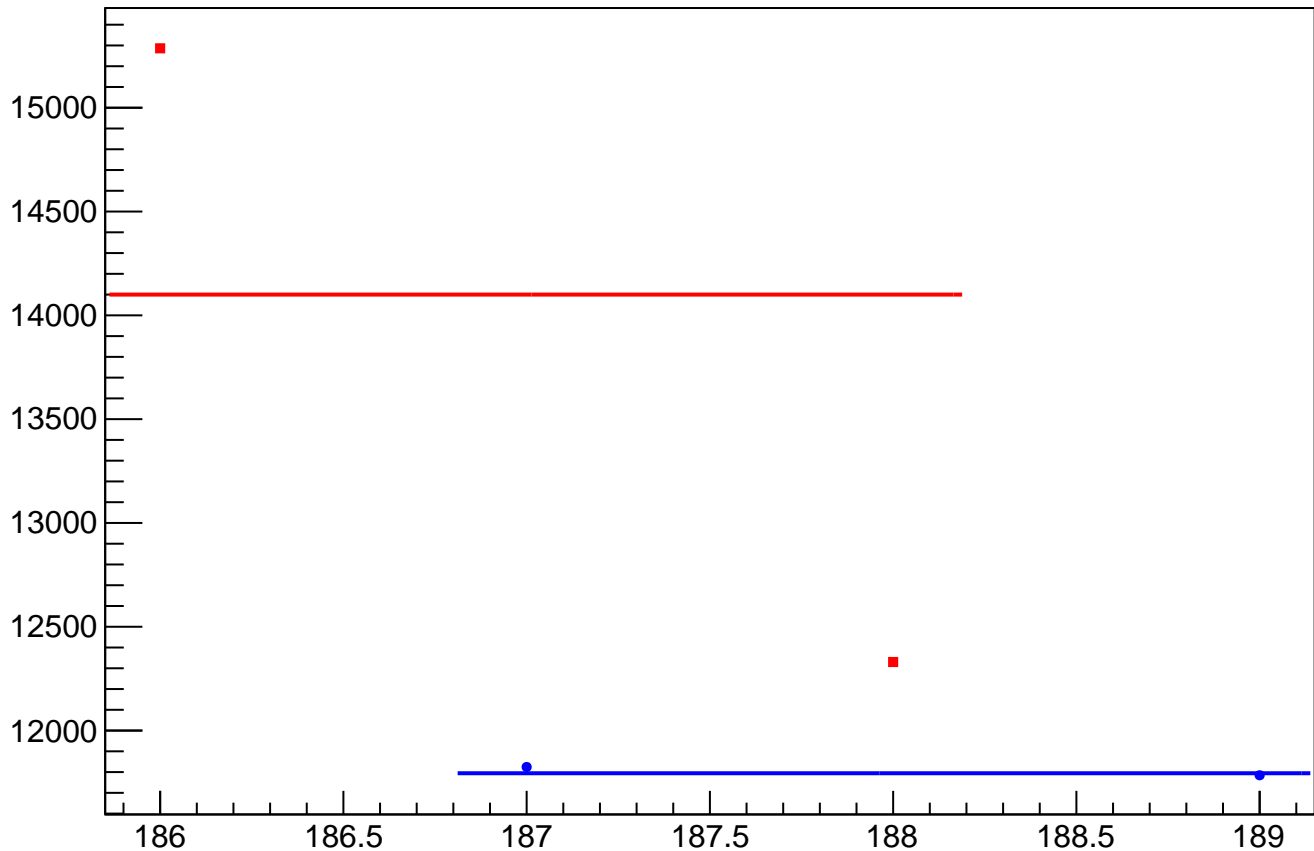
Right: 5451.407+/-11827.374  $\chi^2/\text{NDF}$ : 4.5/3

In: -9674.007+/-15026.286  $\chi^2/\text{NDF}$ :0.0/1

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

All: 5451.407+/-11827.374  $\chi^2/\text{NDF}$ : 4.5/3

# asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 11794.398+/-10.625  $\chi^2$ /NDF: 2.6/1

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

Right Out: 14099.989+/-13.559  $\chi^2$ /NDF: 11419.8/1

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

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

Right: 12671.570+/-8.363  $\chi^2$ /NDF: 29336.5/3

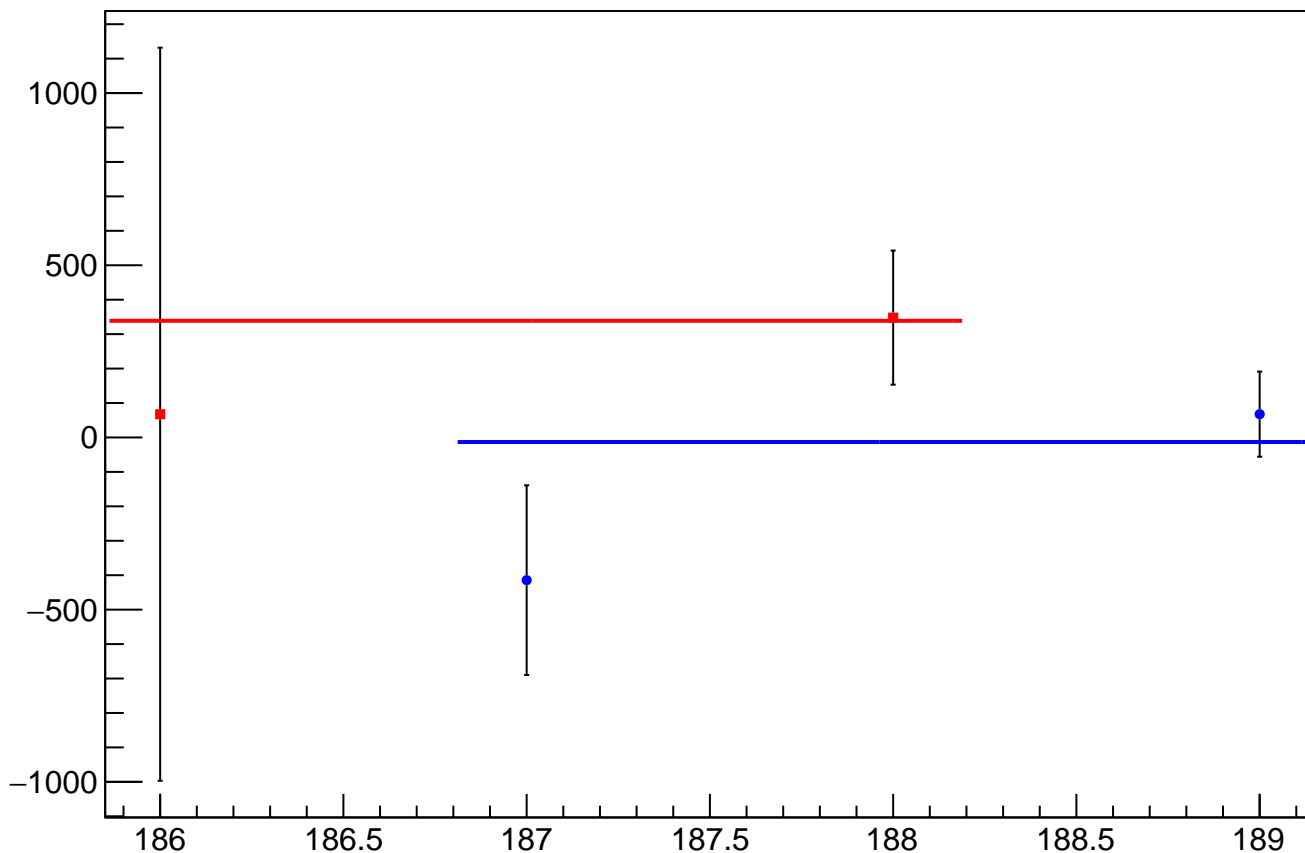
In: 11794.398+/-10.625  $\chi^2$ /NDF:2.6/1

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

All: 12671.570+/-8.363  $\chi^2$ /NDF: 29336.5/3



# dit\_asym\_sam1\_mean vs Slug, Sign Corrected



Right In:  $-13.269 \pm 112.828$   $\chi^2/\text{NDF}: 2.5/1$

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

Right Out:  $338.833 \pm 191.521$   $\chi^2/\text{NDF}: 0.1/1$

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

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

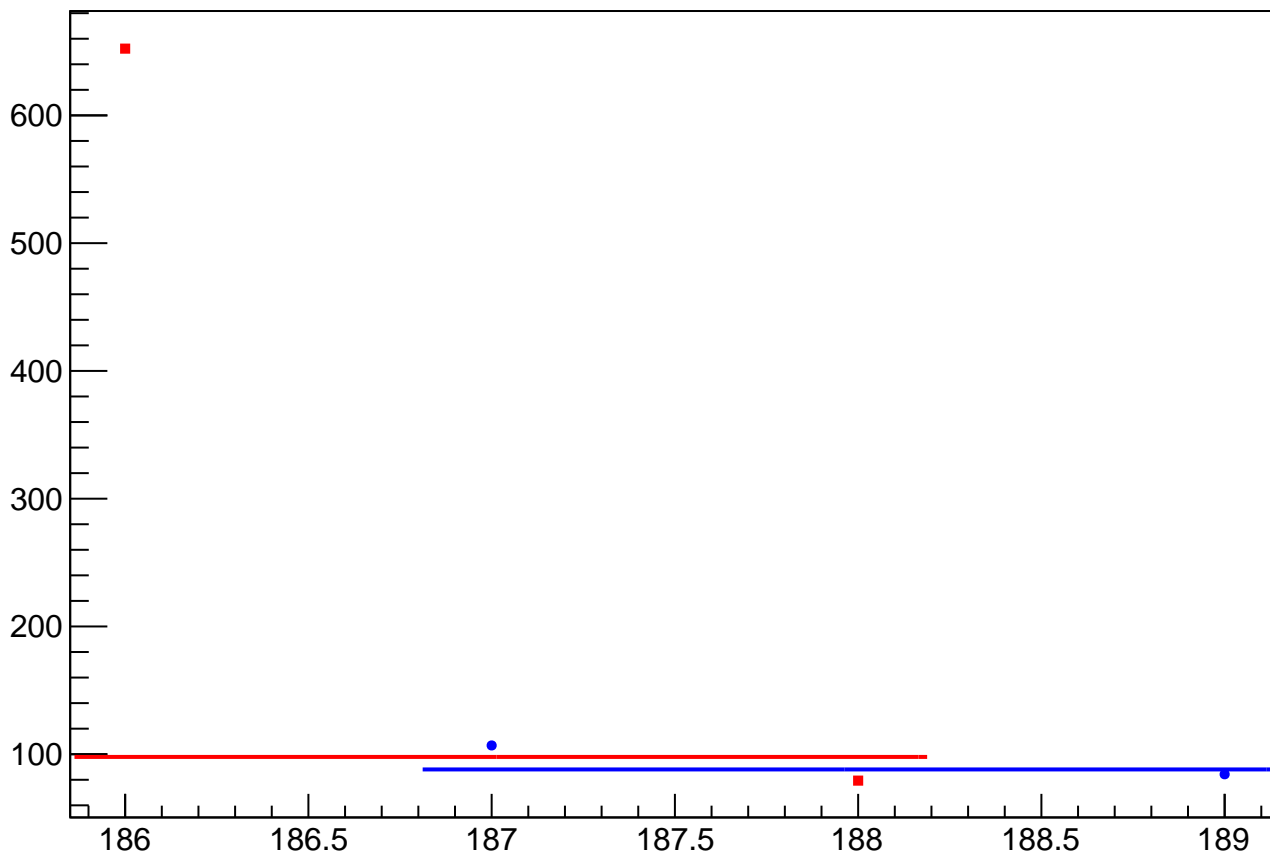
Right:  $77.446 \pm 97.213$   $\chi^2/\text{NDF}: 5.1/3$

In:  $-13.269 \pm 112.828$   $\chi^2/\text{NDF}: 2.5/1$

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

All:  $77.446 \pm 97.213$   $\chi^2/\text{NDF}: 5.1/3$

# dit\_asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 88.092+/-0.080  $\chi^2$ /NDF: 11170.7/1

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

Right Out: 97.889+/-0.135  $\chi^2$ /NDF: 560657.0/1

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

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

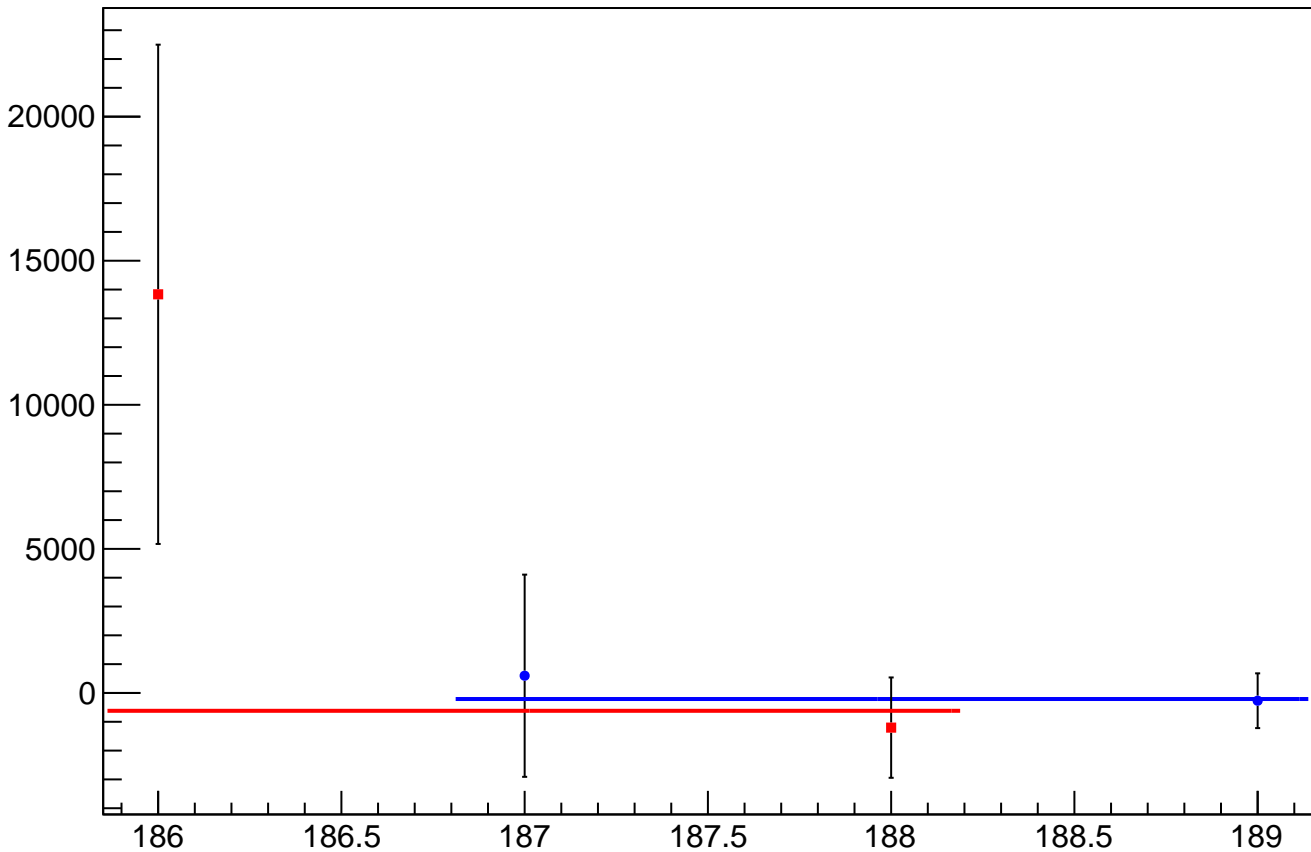
Right: 90.616+/-0.069  $\chi^2$ /NDF: 575712.8/3

In: 88.092+/-0.080  $\chi^2$ /NDF:11170.7/1

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

All: 90.616+/-0.069  $\chi^2$ /NDF: 575712.8/3

# asym\_sam1\_correction\_mean vs Slug, Sign Corrected



Right In:  $-210.020 \pm 917.062$   $\chi^2/\text{NDF}: 0.1/1$

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

Right Out:  $-619.077 \pm 1707.029$   $\chi^2/\text{NDF}: 2.9/1$

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

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

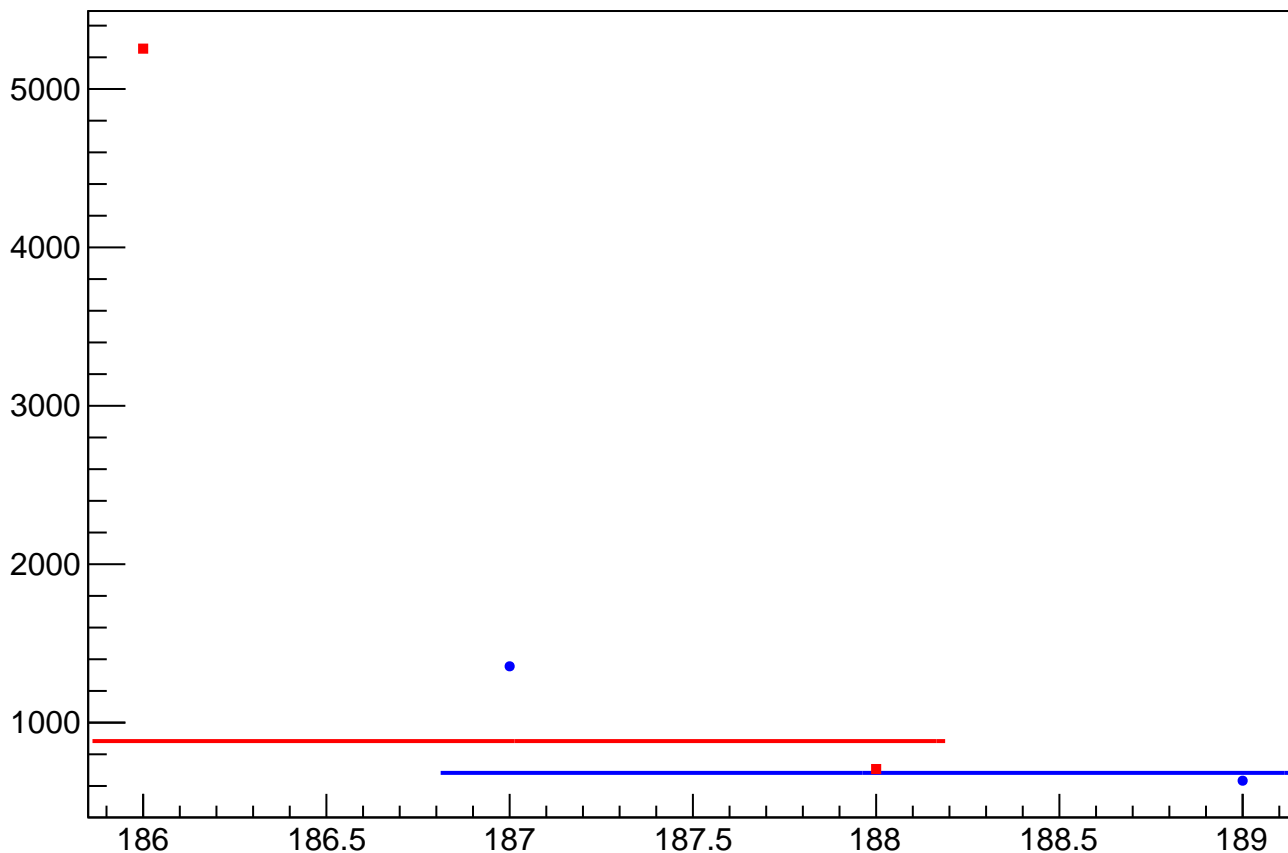
Right:  $-301.637 \pm 807.862$   $\chi^2/\text{NDF}: 3.0/3$

In:  $-210.020 \pm 917.062$   $\chi^2/\text{NDF}: 0.1/1$

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

All:  $-301.637 \pm 807.862$   $\chi^2/\text{NDF}: 3.0/3$

# asym\_sam1\_correction\_rms vs Slug, Sign Corrected



Right In: 682.722+/-0.648  $\chi^2$ /NDF: 78927.3/1

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

Right Out: 883.444+/-1.207  $\chi^2$ /NDF: 529753.3/1

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

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

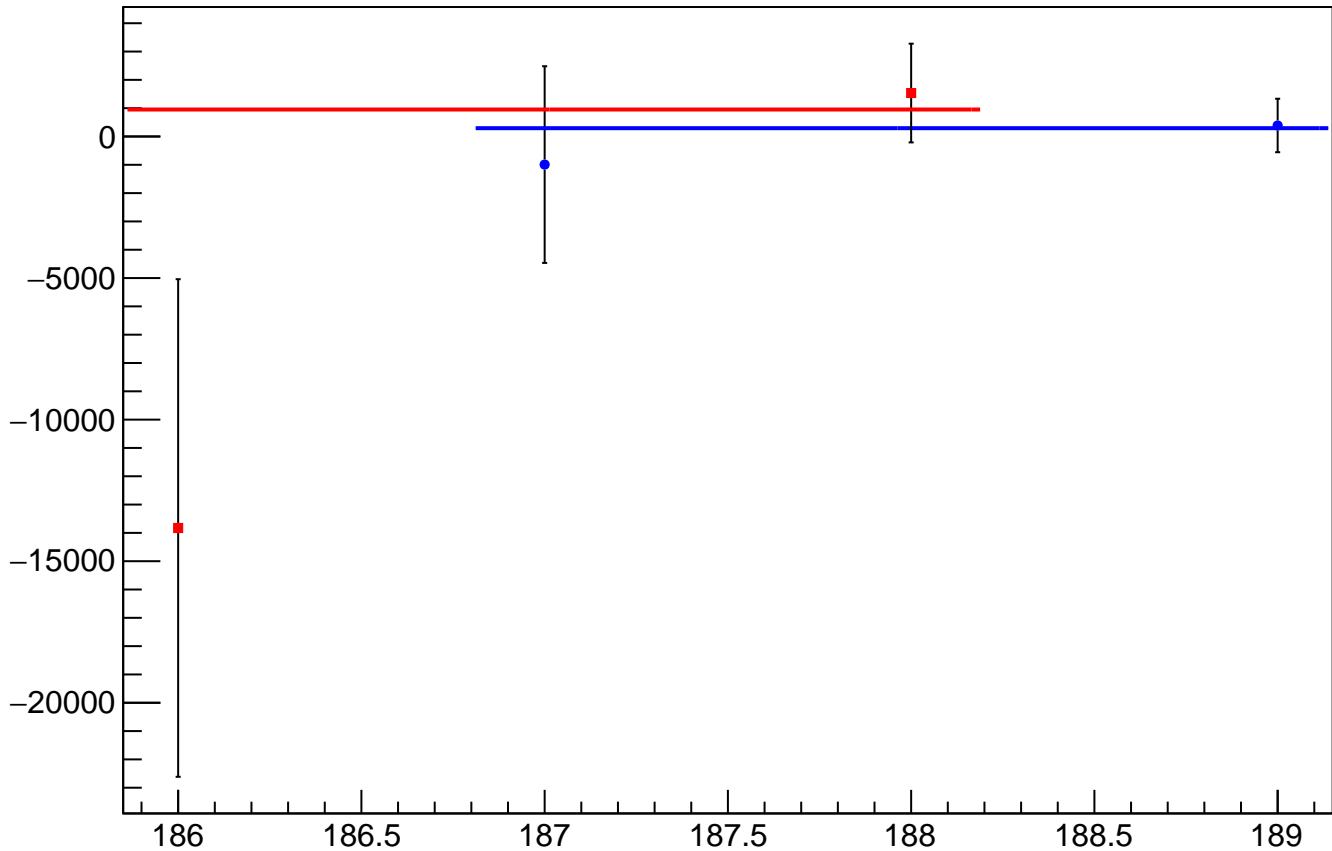
Right: 727.678+/-0.571  $\chi^2$ /NDF: 630139.9/3

In: 682.722+/-0.648  $\chi^2$ /NDF:78927.3/1

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

All: 727.678+/-0.571  $\chi^2$ /NDF: 630139.9/3

# asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 293.306+/-911.214  $\chi^2/\text{NDF}$ : 0.1/1

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

Right Out: 952.820+/-1710.054  $\chi^2/\text{NDF}$ : 2.9/1

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

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

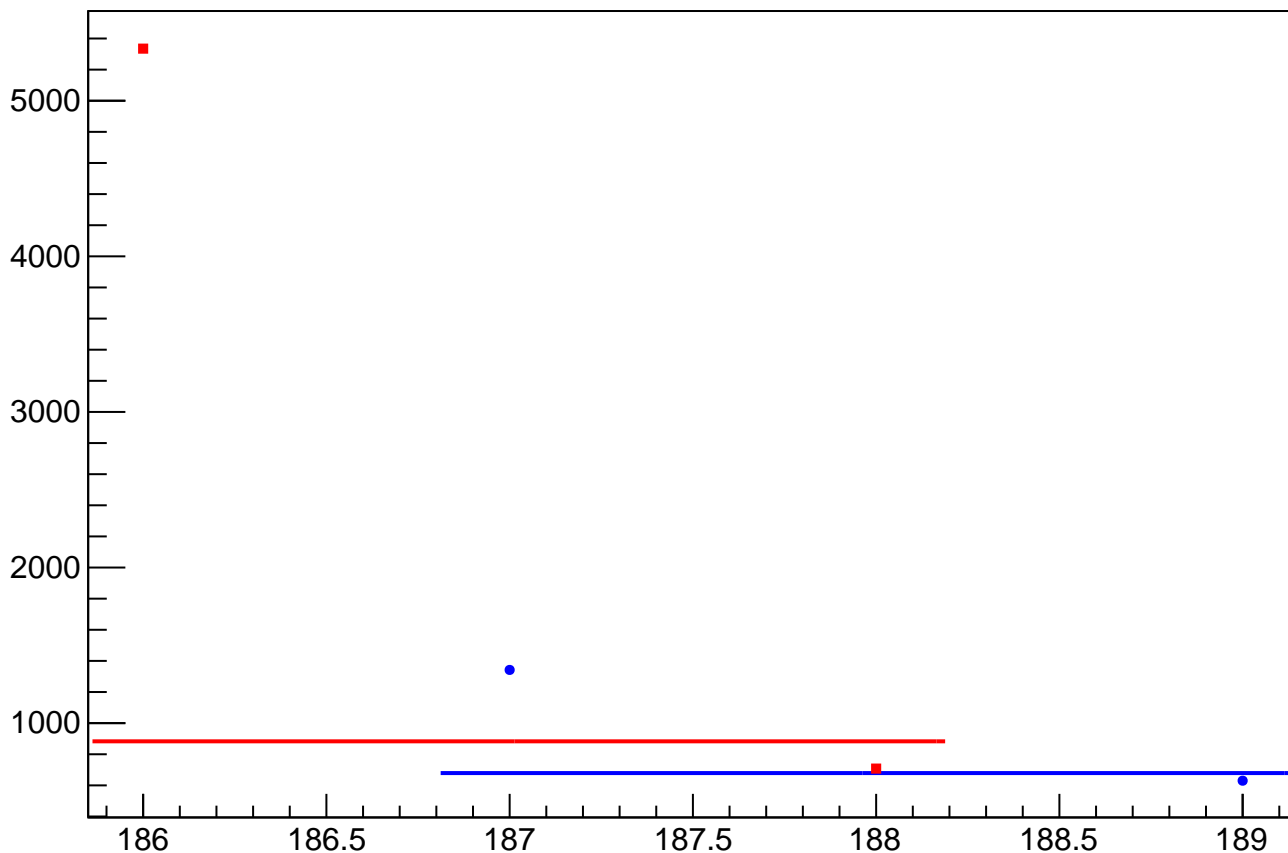
Right: 439.155+/-804.171  $\chi^2/\text{NDF}$ : 3.2/3

In: 293.306+/-911.214  $\chi^2/\text{NDF}$ : 0.1/1

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

All: 439.155+/-804.171  $\chi^2/\text{NDF}$ : 3.2/3

# asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 679.097+/-0.644  $\chi^2$ /NDF: 78226.9/1

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

Right Out: 883.102+/-1.209  $\chi^2$ /NDF: 533535.6/1

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

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

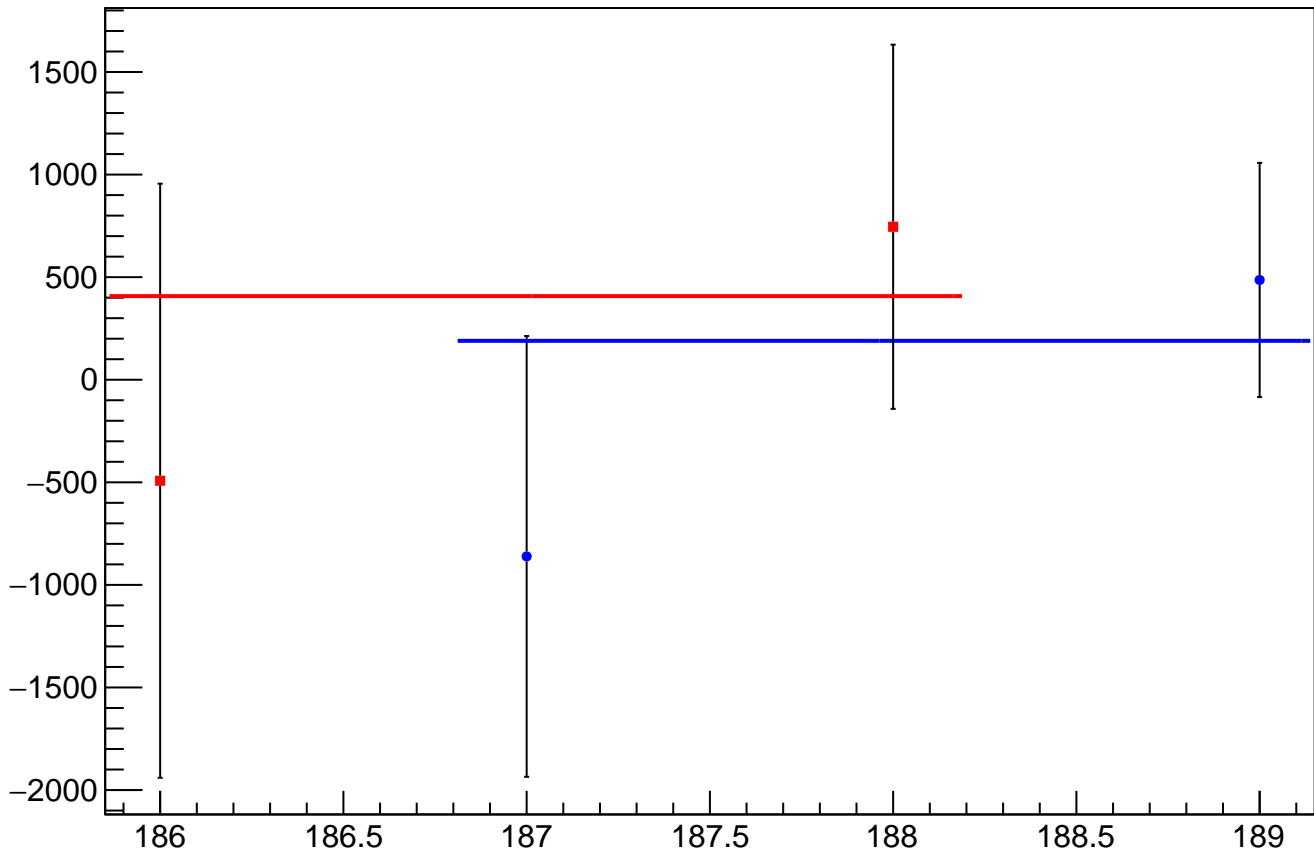
Right: 724.212+/-0.569  $\chi^2$ /NDF: 633931.6/3

In: 679.097+/-0.644  $\chi^2$ /NDF:78226.9/1

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

All: 724.212+/-0.569  $\chi^2$ /NDF: 633931.6/3

# dit\_asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 189.678+/-504.104  $\chi^2$ /NDF: 1.2/1

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

Right Out: 407.627+/-756.684  $\chi^2$ /NDF: 0.5/1

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

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

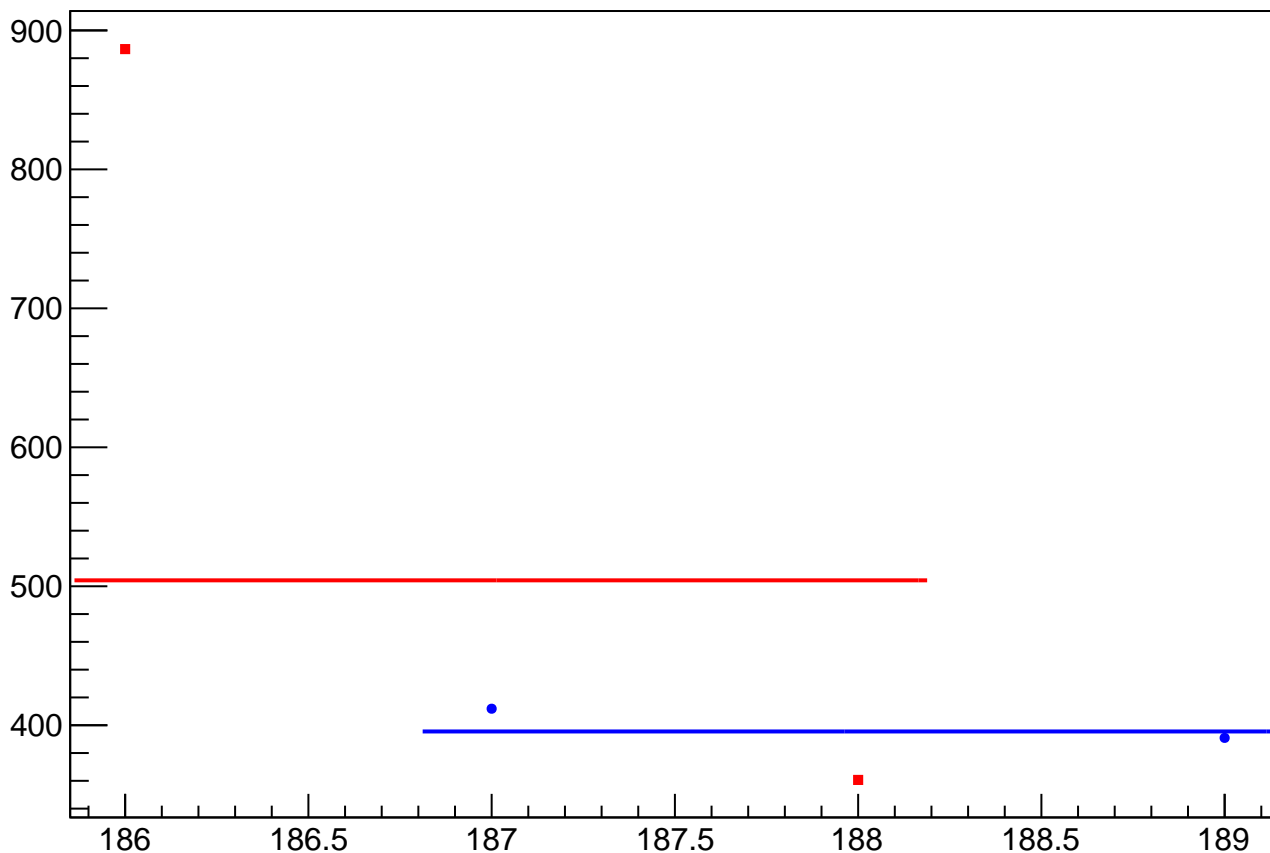
Right: 256.674+/-419.530  $\chi^2$ /NDF: 1.8/3

In: 189.678+/-504.104  $\chi^2$ /NDF:1.2/1

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

All: 256.674+/-419.530  $\chi^2$ /NDF: 1.8/3

# dit\_asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 395.522+/-0.356  $\chi^2$ /NDF: 595.2/1

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

Right Out: 504.268+/-0.535  $\chi^2$ /NDF: 191785.4/1

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

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

Right: 428.950+/-0.297  $\chi^2$ /NDF: 220990.6/3

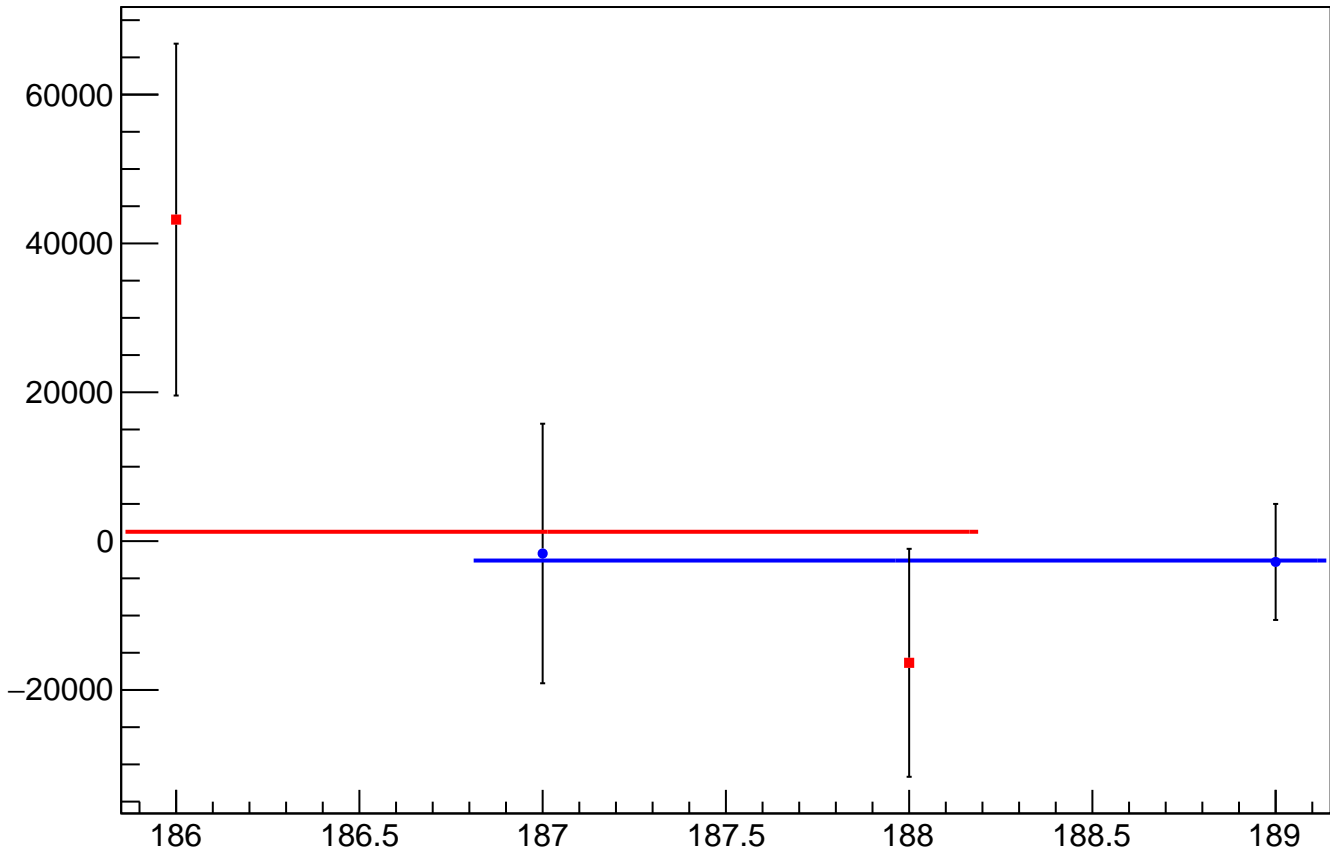
In: 395.522+/-0.356  $\chi^2$ /NDF:595.2/1

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

All: 428.950+/-0.297  $\chi^2$ /NDF: 220990.6/3



# asym\_sam2\_correction\_mean vs Slug, Sign Corrected



Right In: -2607.844+/-7115.990  $\chi^2$ /NDF: 0.0/1

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

Right Out: 1257.296+/-12853.511  $\chi^2$ /NDF: 4.5/1

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

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

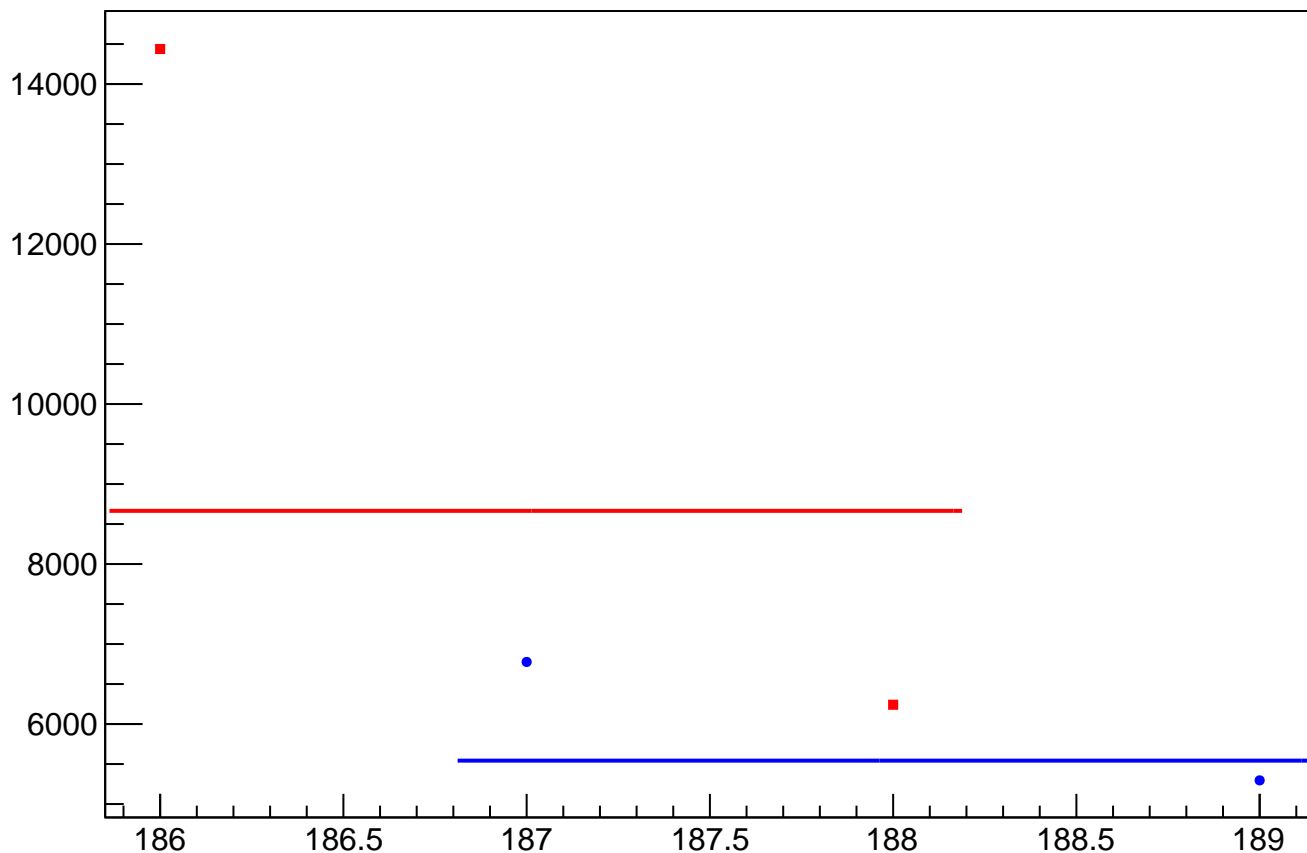
Right: -1701.102+/-6225.597  $\chi^2$ /NDF: 4.5/3

In: -2607.844+/-7115.990  $\chi^2$ /NDF:0.0/1

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

All: -1701.102+/-6225.597  $\chi^2$ /NDF: 4.5/3

# asym\_sam2\_correction\_rms vs Slug, Sign Corrected



Right In: 5542.510+/-5.032  $\chi^2$ /NDF: 12011.2/1

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

Right Out: 8664.688+/-9.089  $\chi^2$ /NDF: 169370.5/1

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

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

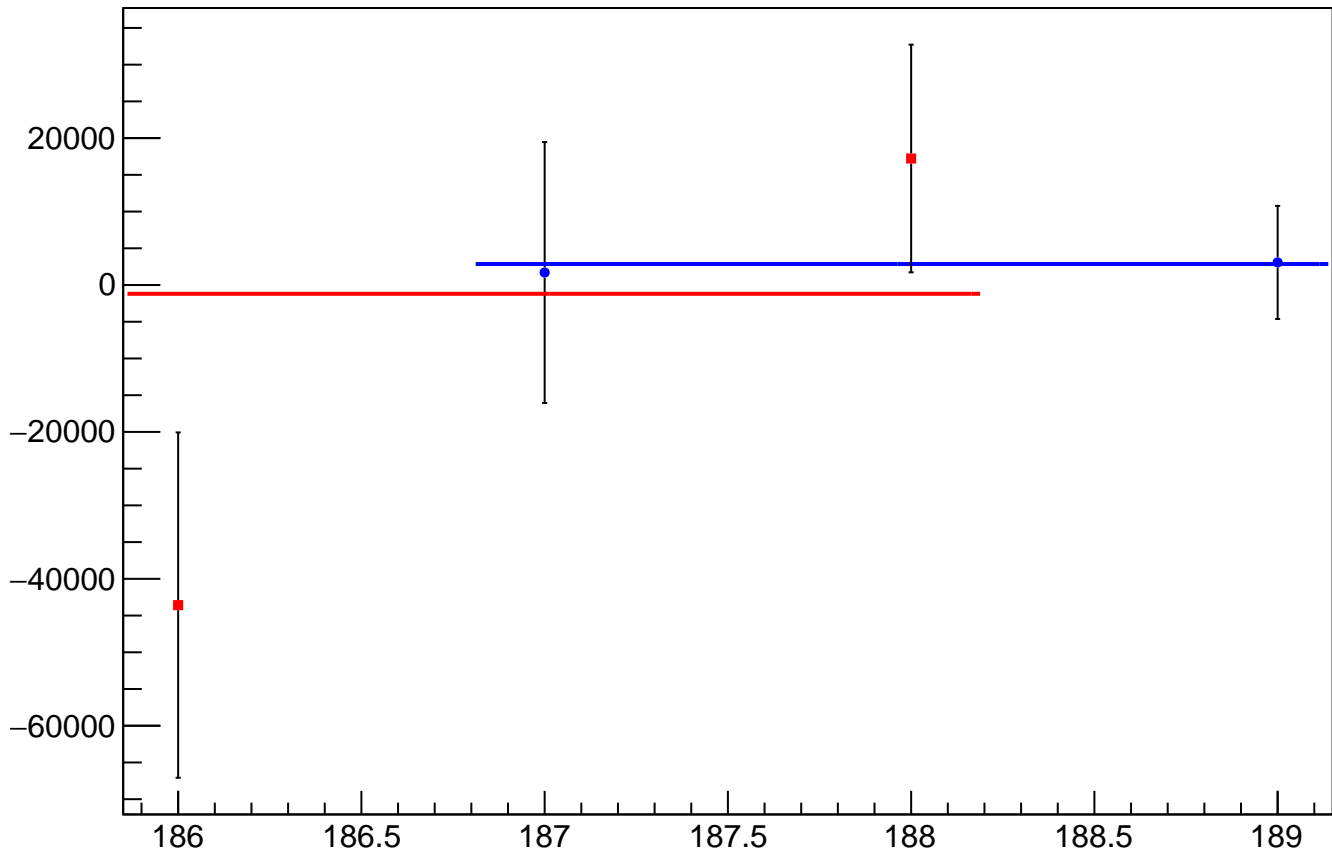
Right: 6274.957+/-4.402  $\chi^2$ /NDF: 271703.6/3

In: 5542.510+/-5.032  $\chi^2$ /NDF:12011.2/1

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

All: 6274.957+/-4.402  $\chi^2$ /NDF: 271703.6/3

# asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 2858.476+/-7061.984  $\chi^2$ /NDF: 0.0/1

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

Right Out: -1193.332+/-12938.806  $\chi^2$ /NDF: 4.7/1

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

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

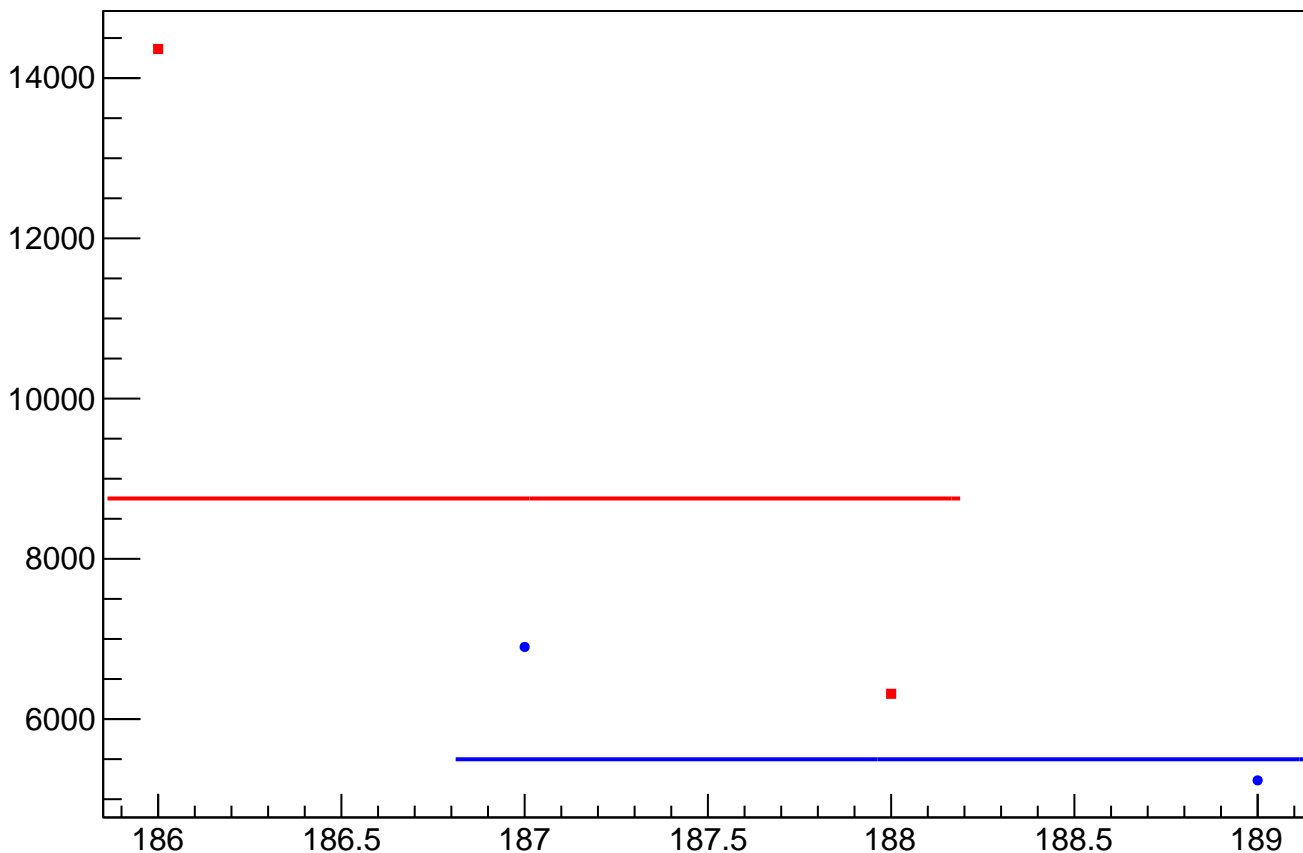
Right: 1928.495+/-6198.788  $\chi^2$ /NDF: 4.7/3

In: 2858.476+/-7061.984  $\chi^2$ /NDF:0.0/1

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

All: 1928.495+/-6198.788  $\chi^2$ /NDF: 4.7/3

# asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 5498.355+/-4.994  $\chi^2/\text{NDF}$ : 14795.7/1

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

Right Out: 8753.307+/-9.149  $\chi^2/\text{NDF}$ : 163381.4/1

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

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

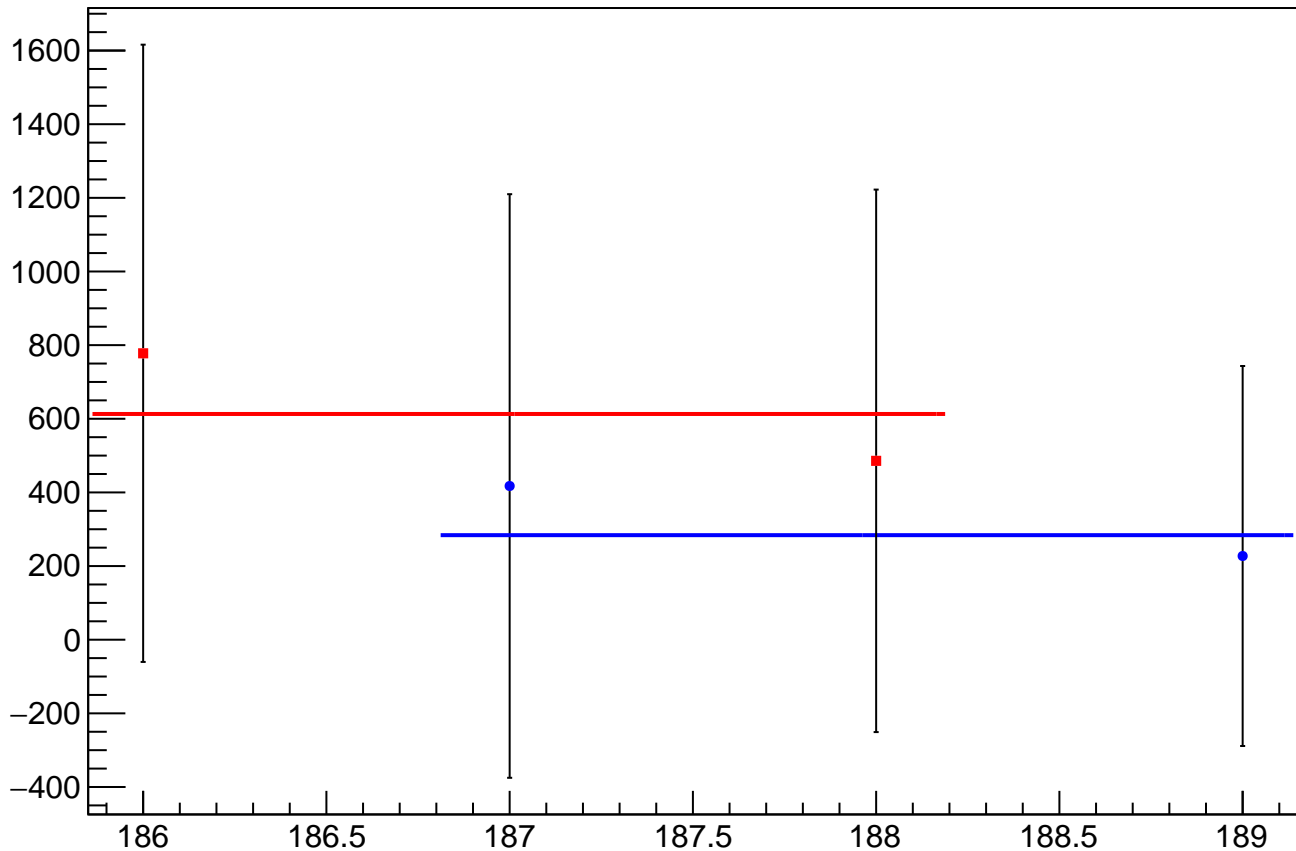
Right: 6245.439+/-4.383  $\chi^2/\text{NDF}$ : 275696.5/3

In: 5498.355+/-4.994  $\chi^2/\text{NDF}$ : 14795.7/1

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

All: 6245.439+/-4.383  $\chi^2/\text{NDF}$ : 275696.5/3

# dit\_asym\_sam3\_mean vs Slug, Sign Corrected



Right In:  $283.927 \pm 432.411$   $\chi^2/\text{NDF}: 0.0/1$

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

Right Out:  $613.036 \pm 553.324$   $\chi^2/\text{NDF}: 0.1/1$

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

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

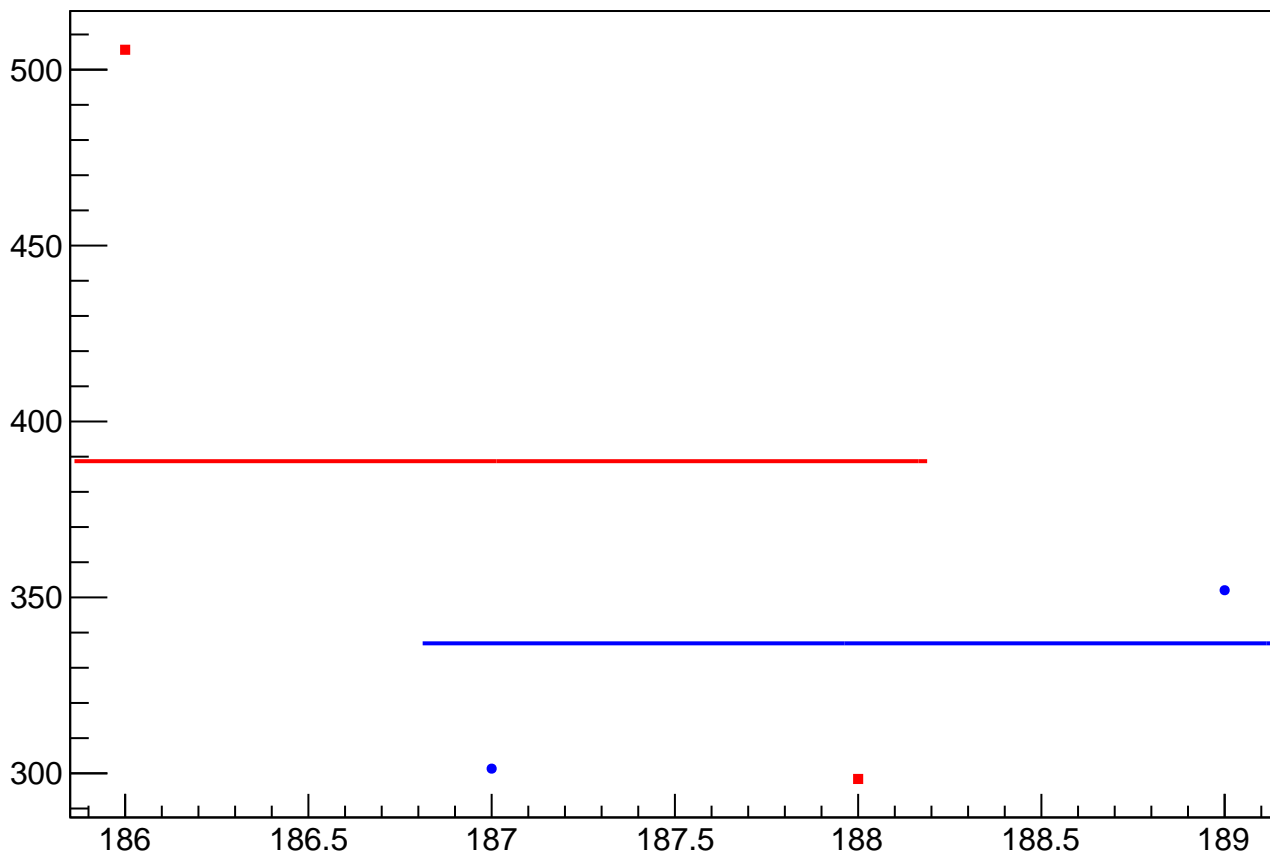
Right:  $408.711 \pm 340.713$   $\chi^2/\text{NDF}: 0.3/3$

In:  $283.927 \pm 432.411$   $\chi^2/\text{NDF}: 0.0/1$

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

All:  $408.711 \pm 340.713$   $\chi^2/\text{NDF}: 0.3/3$

# dit\_asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 336.946+/-0.306  $\chi^2/\text{NDF}$ : 5750.9/1

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

Right Out: 388.720+/-0.391  $\chi^2/\text{NDF}$ : 68996.2/1

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

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

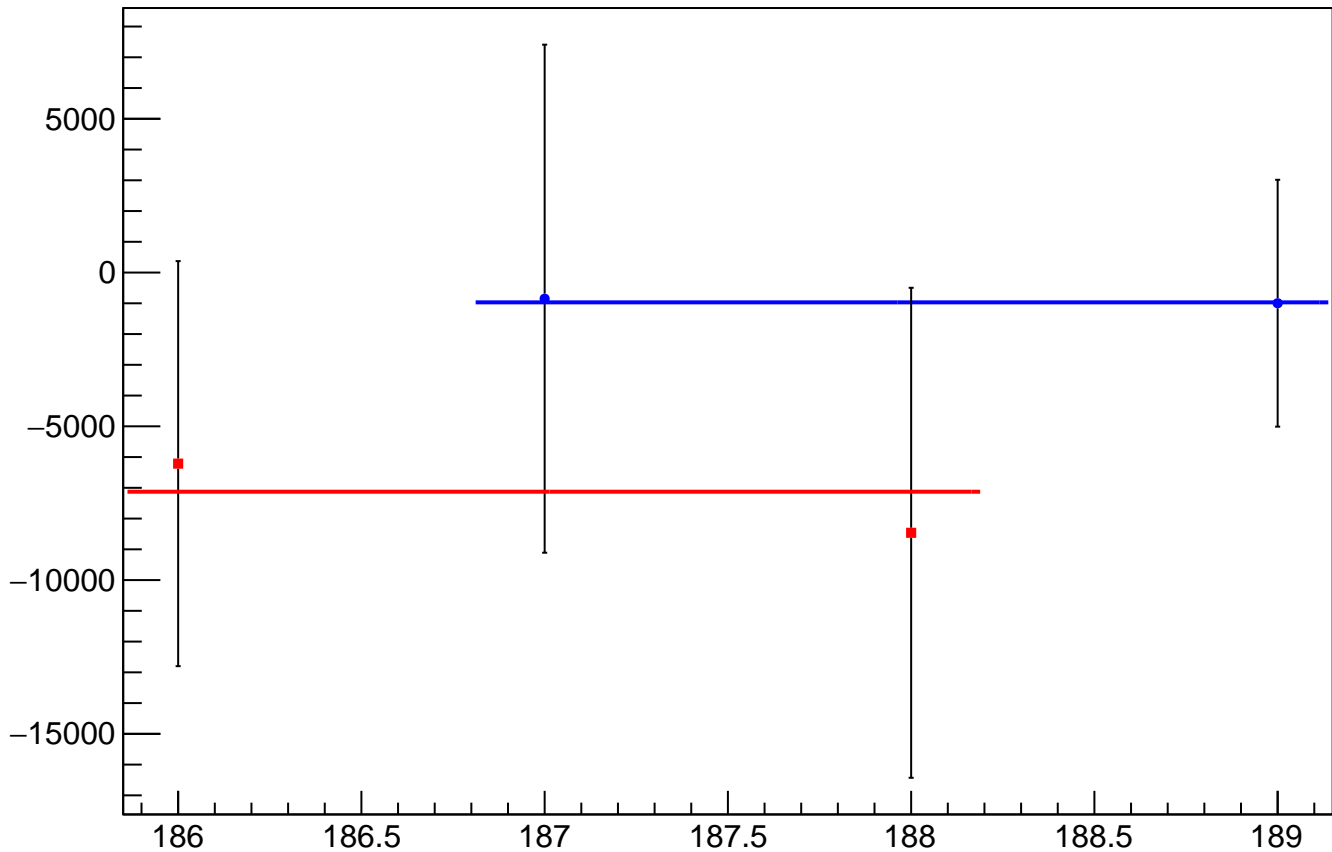
Right: 356.576+/-0.241  $\chi^2/\text{NDF}$ : 85618.5/3

In: 336.946+/-0.306  $\chi^2/\text{NDF}$ : 5750.9/1

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

All: 356.576+/-0.241  $\chi^2/\text{NDF}$ : 85618.5/3

# asym\_sam3\_correction\_mean vs Slug, Sign Corrected



Right In: -969.155+/-3609.884  $\chi^2$ /NDF: 0.0/1

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

Right Out: -7126.564+/-5075.812  $\chi^2$ /NDF: 0.0/1

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

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

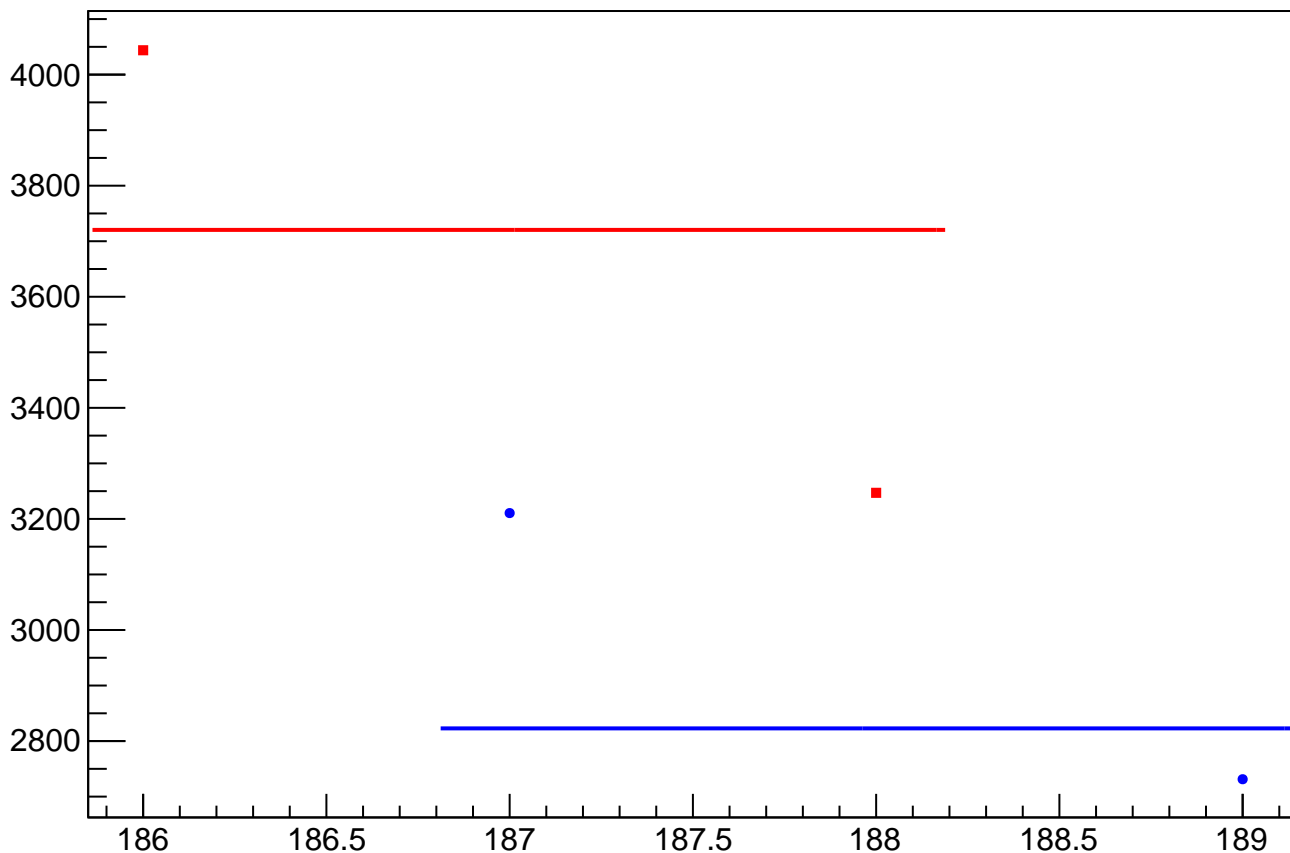
Right: -3037.426+/-2941.780  $\chi^2$ /NDF: 1.0/3

In: -969.155+/-3609.884  $\chi^2$ /NDF:0.0/1

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

All: -3037.426+/-2941.780  $\chi^2$ /NDF: 1.0/3

# asym\_sam3\_correction\_rms vs Slug, Sign Corrected



Right In: 2822.838+/-2.553  $\chi^2$ /NDF: 5446.0/1

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

Right Out: 3720.395+/-3.589  $\chi^2$ /NDF: 11886.5/1

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

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

Right: 3124.327+/-2.080  $\chi^2$ /NDF: 58863.9/3

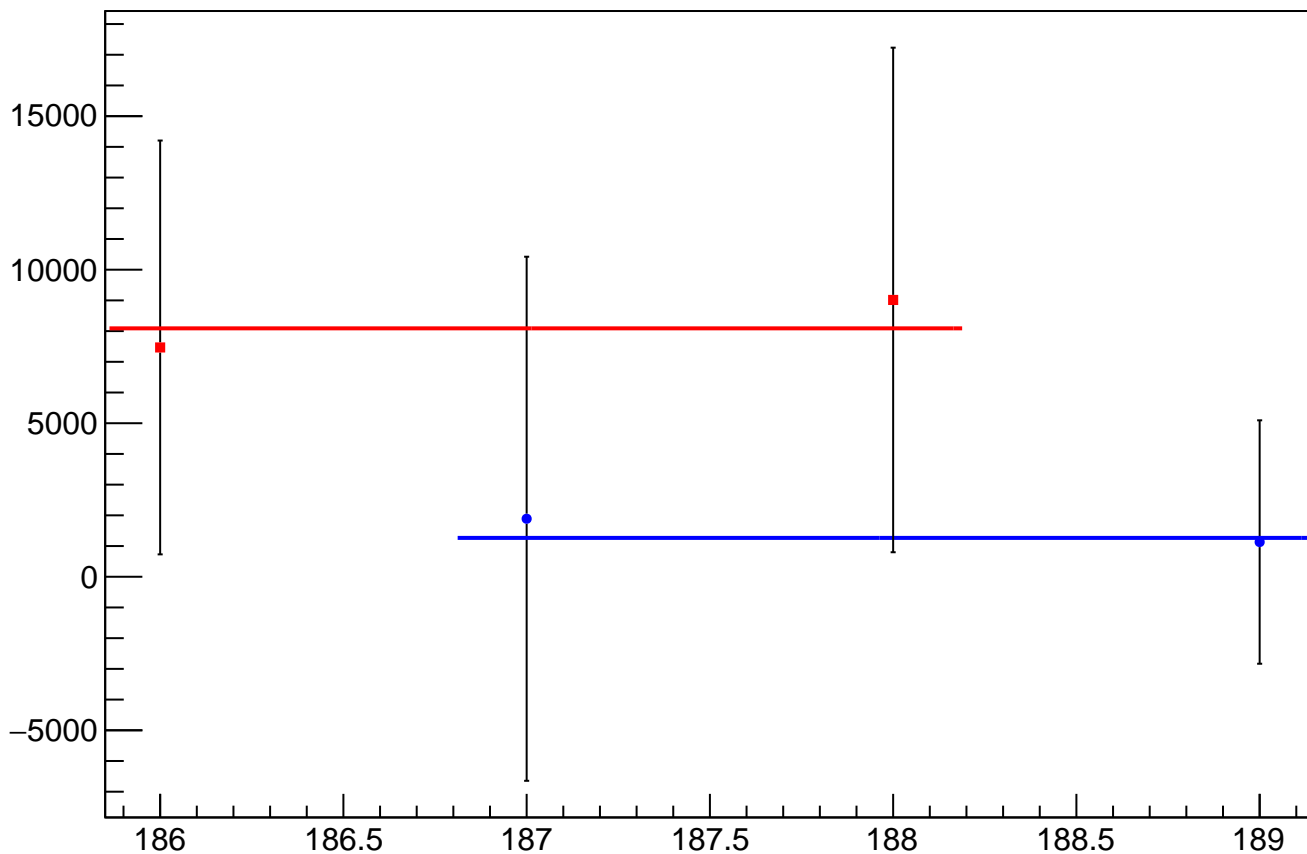
In: 2822.838+/-2.553  $\chi^2$ /NDF:5446.0/1

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

All: 3124.327+/-2.080  $\chi^2$ /NDF: 58863.9/3



# asym\_sam3\_mean vs Slug, Sign Corrected



Right In: 1265.443+/-3594.876  $\chi^2$ /NDF: 0.0/1

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

Right Out: 8089.643+/-5210.264  $\chi^2$ /NDF: 0.0/1

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

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

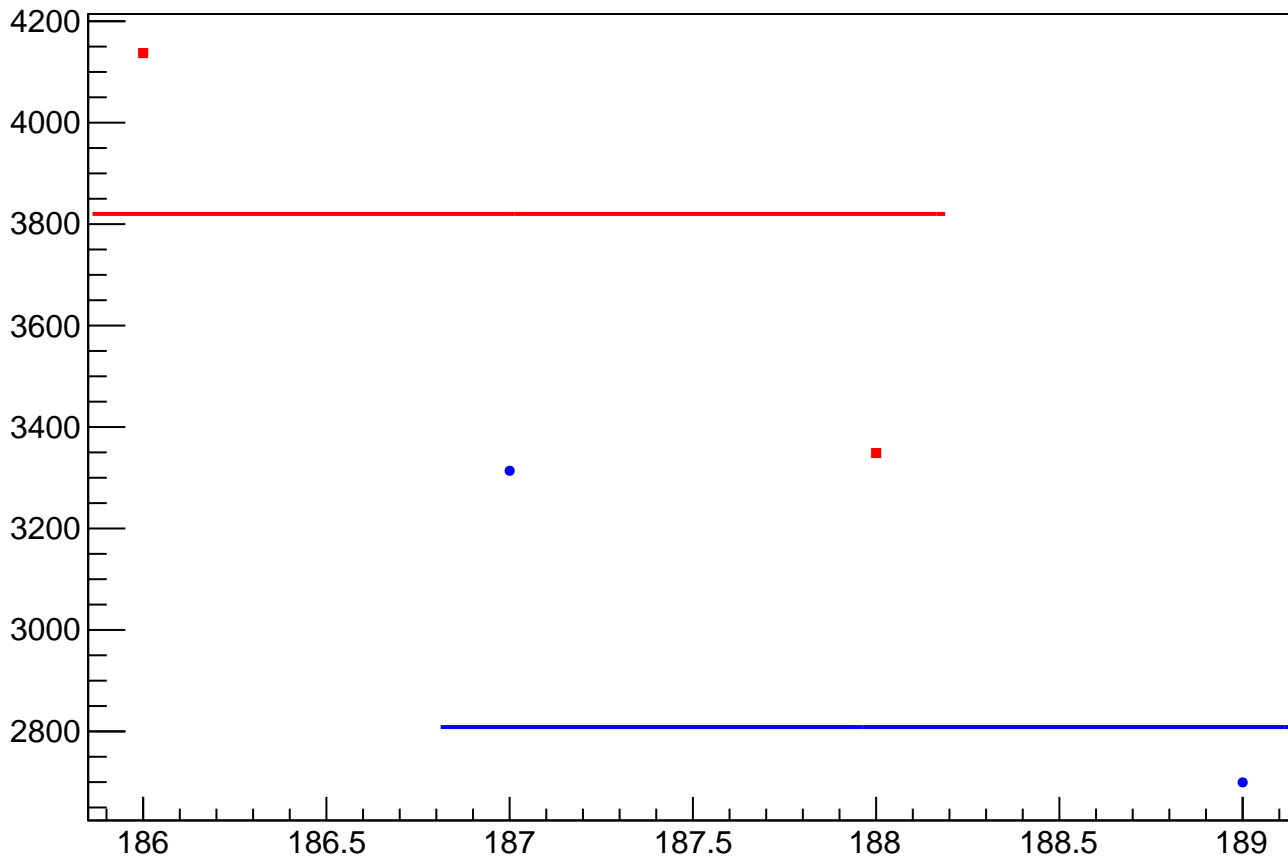
Right: 3466.344+/-2958.926  $\chi^2$ /NDF: 1.2/3

In: 1265.443+/-3594.876  $\chi^2$ /NDF:0.0/1

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

All: 3466.344+/-2958.926  $\chi^2$ /NDF: 1.2/3

# asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 2808.503+/-2.542  $\chi^2$ /NDF: 8522.5/1

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

Right Out: 3820.094+/-3.684  $\chi^2$ /NDF: 11012.0/1

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

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

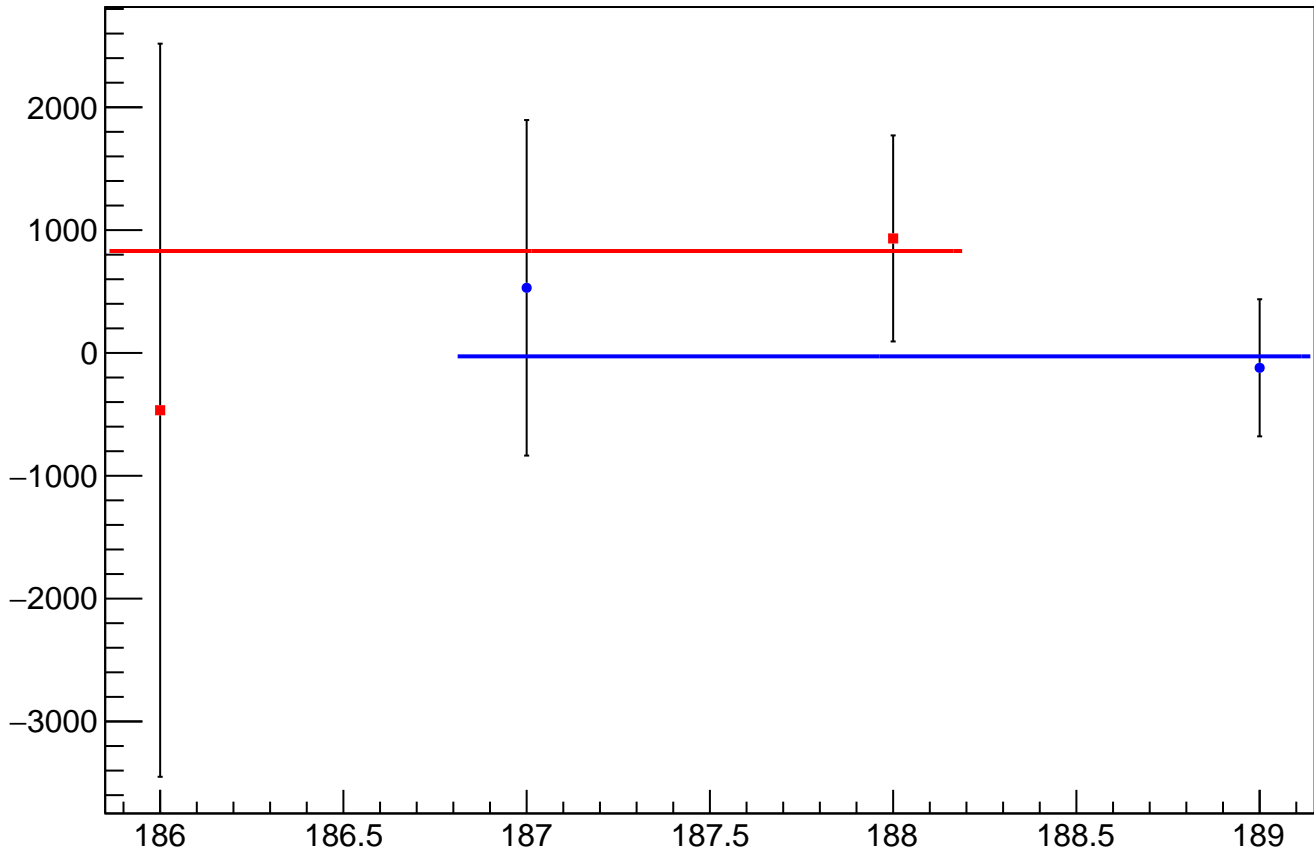
Right: 3134.755+/-2.092  $\chi^2$ /NDF: 70610.9/3

In: 2808.503+/-2.542  $\chi^2$ /NDF:8522.5/1

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

All: 3134.755+/-2.092  $\chi^2$ /NDF: 70610.9/3

# dit\_asym\_sam4\_mean vs Slug, Sign Corrected



Right In:  $-27.796 \pm 516.580$   $\chi^2/\text{NDF}: 0.2/1$

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

Right Out:  $829.843 \pm 807.388$   $\chi^2/\text{NDF}: 0.2/1$

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

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

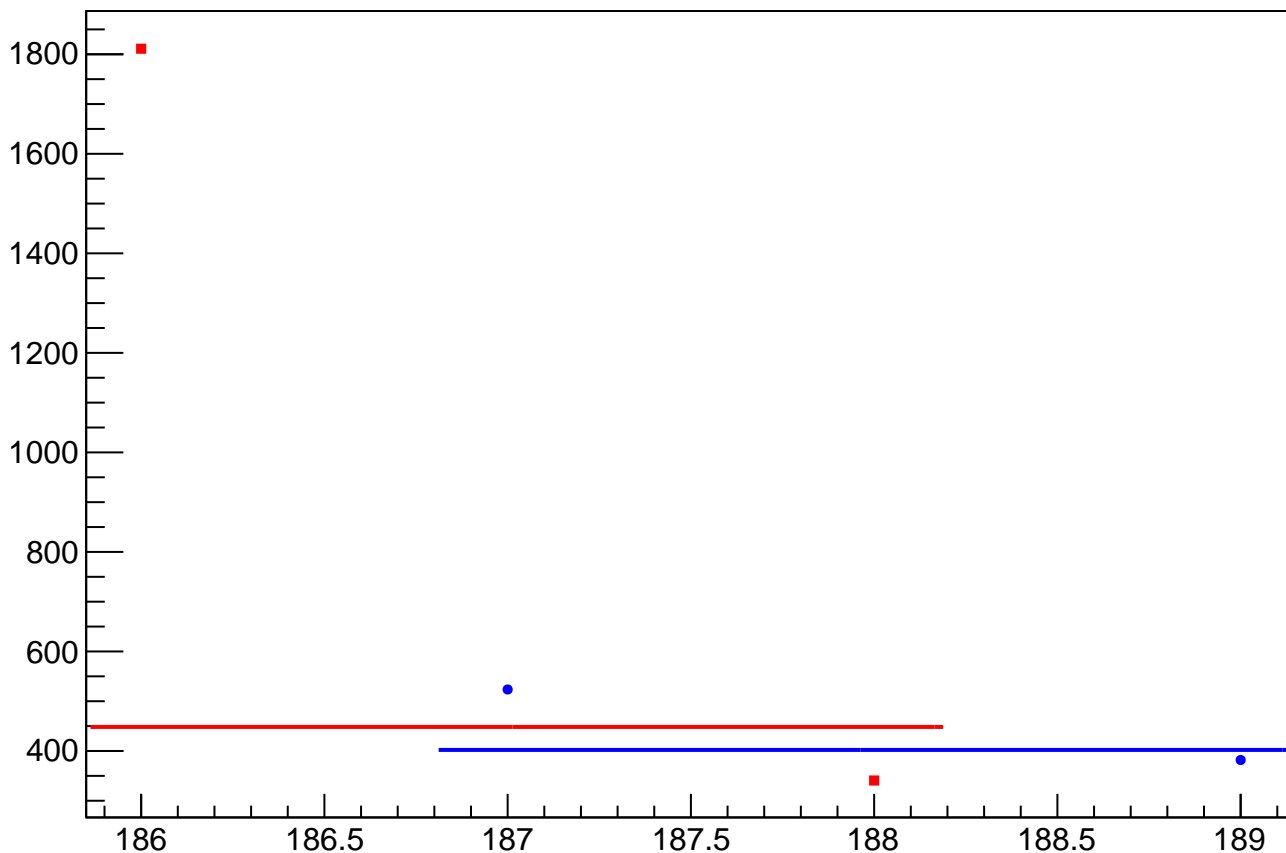
Right:  $221.314 \pm 435.137$   $\chi^2/\text{NDF}: 1.2/3$

In:  $-27.796 \pm 516.580$   $\chi^2/\text{NDF}: 0.2/1$

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

All:  $221.314 \pm 435.137$   $\chi^2/\text{NDF}: 1.2/3$

# dit\_asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 402.141+/-0.365  $\chi^2/\text{NDF}$ : 18459.4/1

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

Right Out: 448.326+/-0.571  $\chi^2/\text{NDF}$ : 450083.6/1

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

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

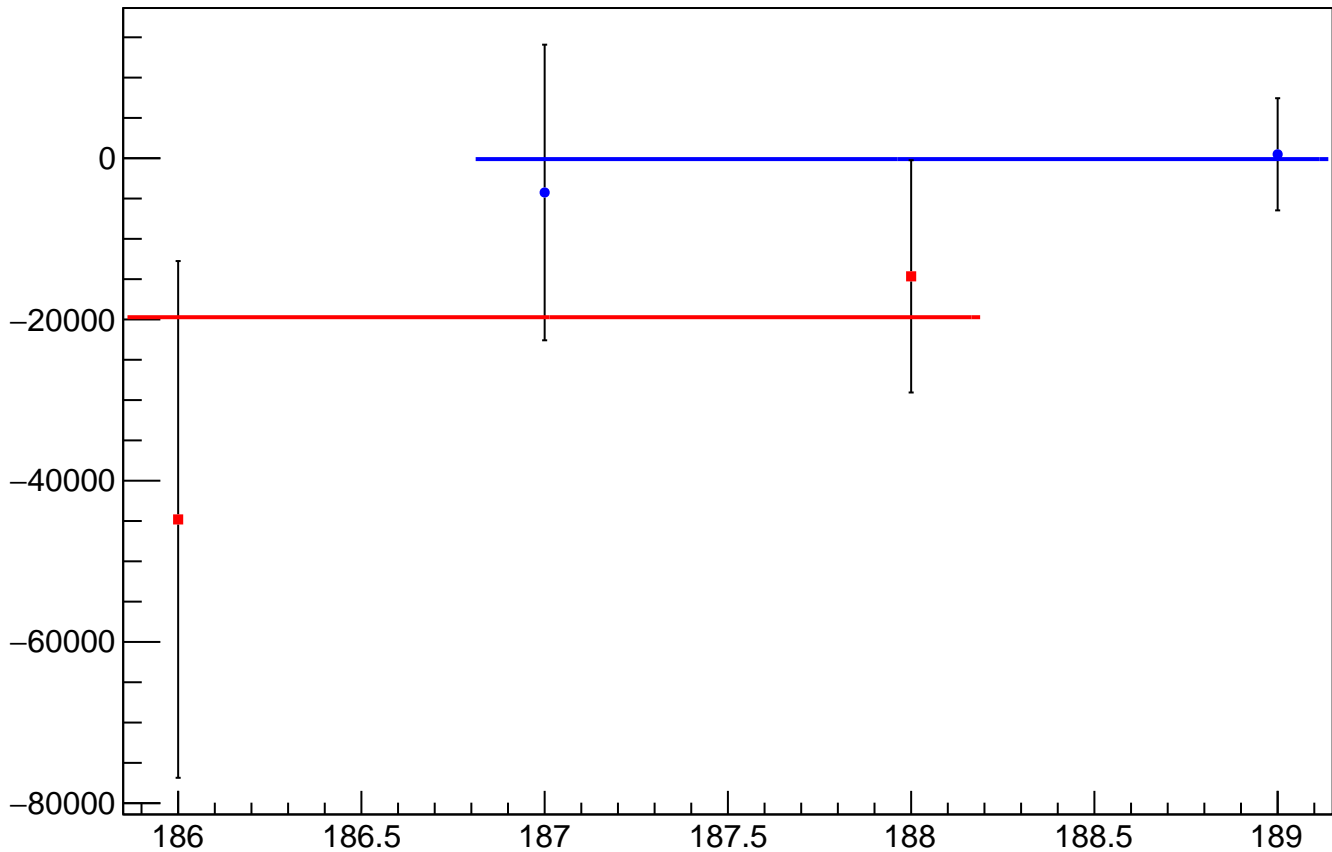
Right: 415.556+/-0.308  $\chi^2/\text{NDF}$ : 473186.5/3

In: 402.141+/-0.365  $\chi^2/\text{NDF}$ : 18459.4/1

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

All: 415.556+/-0.308  $\chi^2/\text{NDF}$ : 473186.5/3

# asym\_sam4\_correction\_mean vs Slug, Sign Corrected



Right In: -107.858+/-6504.239  $\chi^2$ /NDF: 0.1/1

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

Right Out: -19719.842+/-13141.467  $\chi^2$ /NDF: 0.7/1

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

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

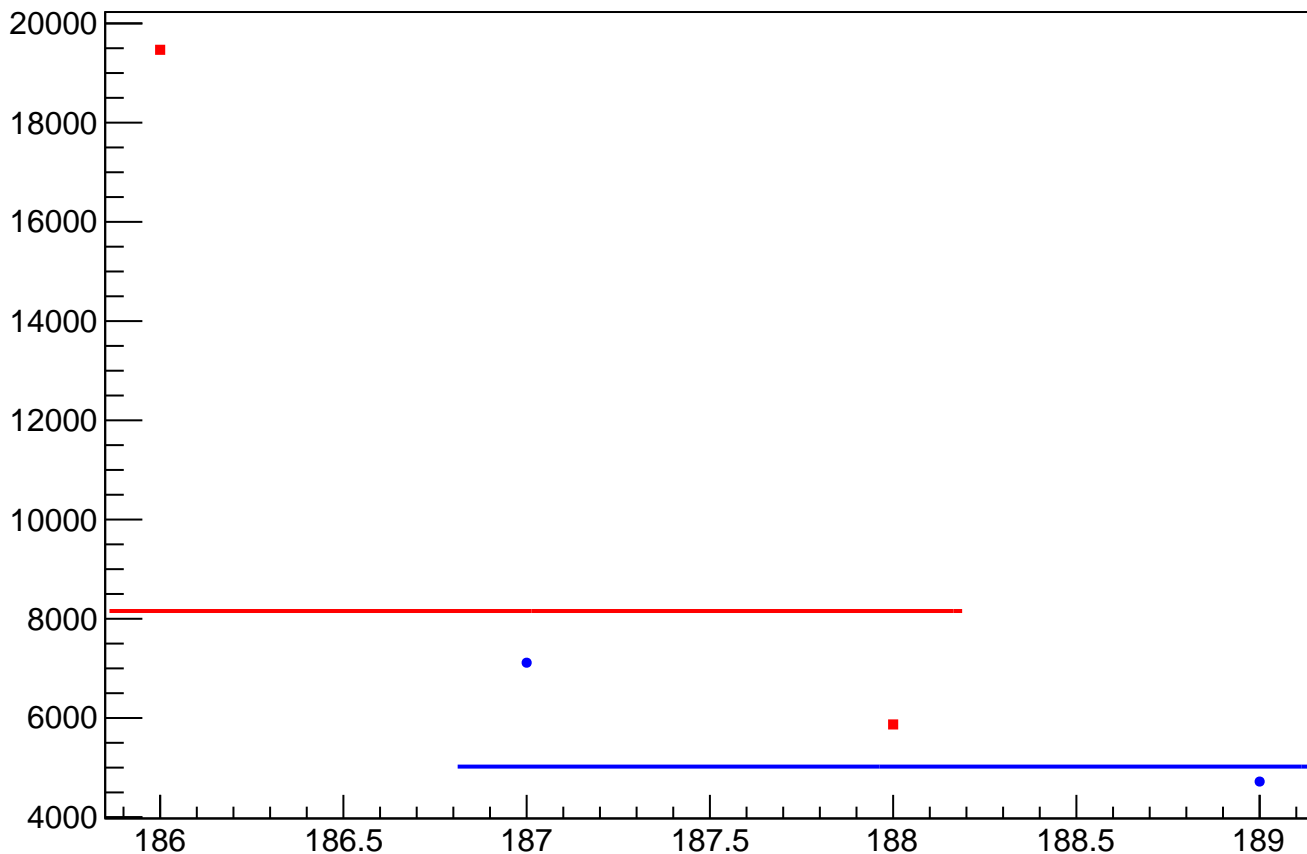
Right: -3966.811+/-5829.319  $\chi^2$ /NDF: 2.6/3

In: -107.858+/-6504.239  $\chi^2$ /NDF:0.1/1

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

All: -3966.811+/-5829.319  $\chi^2$ /NDF: 2.6/3

# asym\_sam4\_correction\_rms vs Slug, Sign Corrected



Right In: 5020.544+/-4.599  $\chi^2$ /NDF: 29848.2/1

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

Right Out: 8156.590+/-9.292  $\chi^2$ /NDF: 299510.2/1

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

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

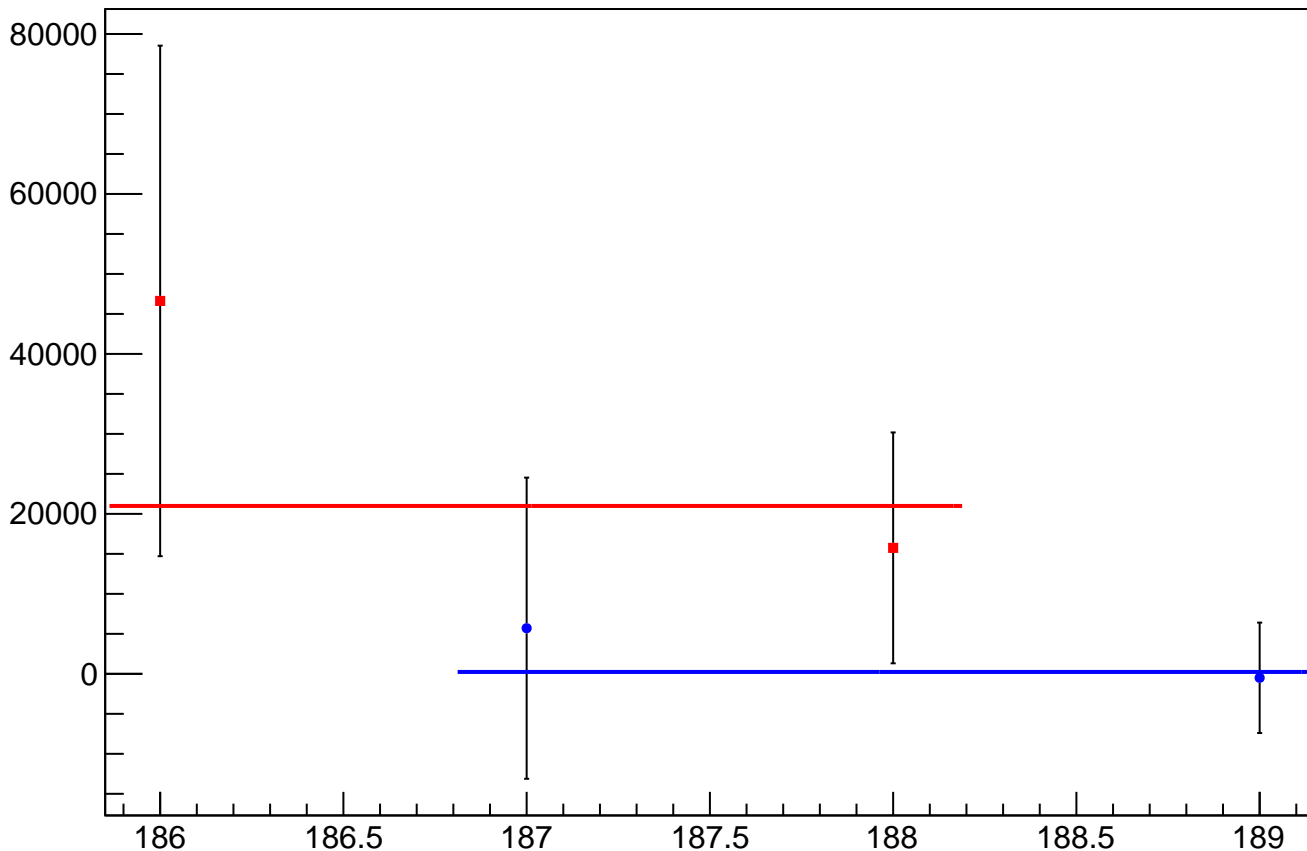
Right: 5637.608+/-4.122  $\chi^2$ /NDF: 420843.4/3

In: 5020.544+/-4.599  $\chi^2$ /NDF:29848.2/1

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

All: 5637.608+/-4.122  $\chi^2$ /NDF: 420843.4/3

# asym\_sam4\_mean vs Slug, Sign Corrected



Right In: 237.668+/-6480.508  $\chi^2/\text{NDF}$ : 0.1/1

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

Right Out: 20991.034+/-13150.467  $\chi^2/\text{NDF}$ : 0.8/1

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

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

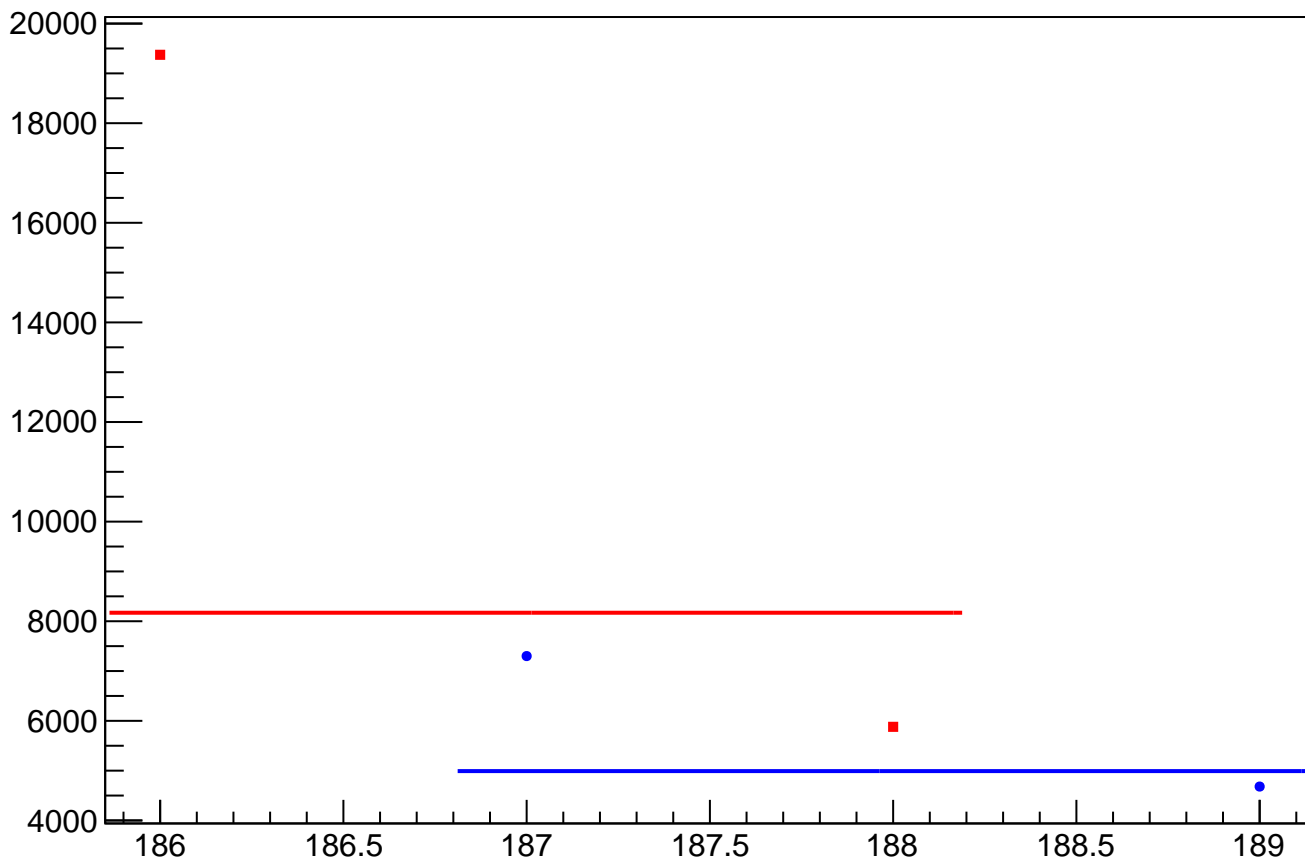
Right: 4292.810+/-5812.994  $\chi^2/\text{NDF}$ : 2.9/3

In: 237.668+/-6480.508  $\chi^2/\text{NDF}$ :0.1/1

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

All: 4292.810+/-5812.994  $\chi^2/\text{NDF}$ : 2.9/3

# asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 4991.060+/-4.582  $\chi^2/\text{NDF}$ : 34135.3/1

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

Right Out: 8170.676+/-9.299  $\chi^2/\text{NDF}$ : 296787.8/1

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

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

Right: 5612.347+/-4.110  $\chi^2/\text{NDF}$ : 424999.0/3

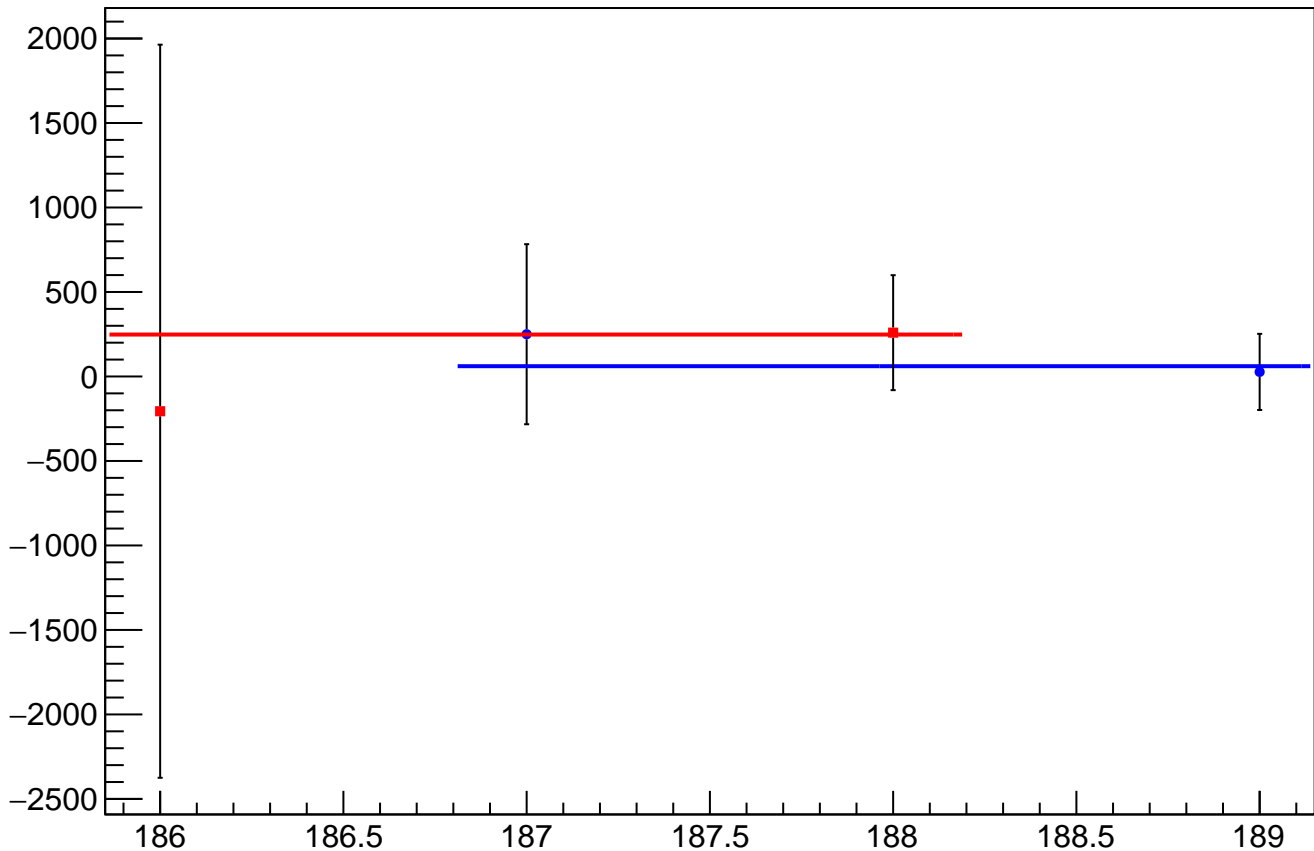
In: 4991.060+/-4.582  $\chi^2/\text{NDF}$ :34135.3/1

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

All: 5612.347+/-4.110  $\chi^2/\text{NDF}$ : 424999.0/3



# dit\_asym\_sam5\_mean vs Slug, Sign Corrected



Right In: 60.824+/-207.485  $\chi^2/\text{NDF}$ : 0.1/1

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

Right Out: 248.107+/-336.046  $\chi^2/\text{NDF}$ : 0.0/1

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

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

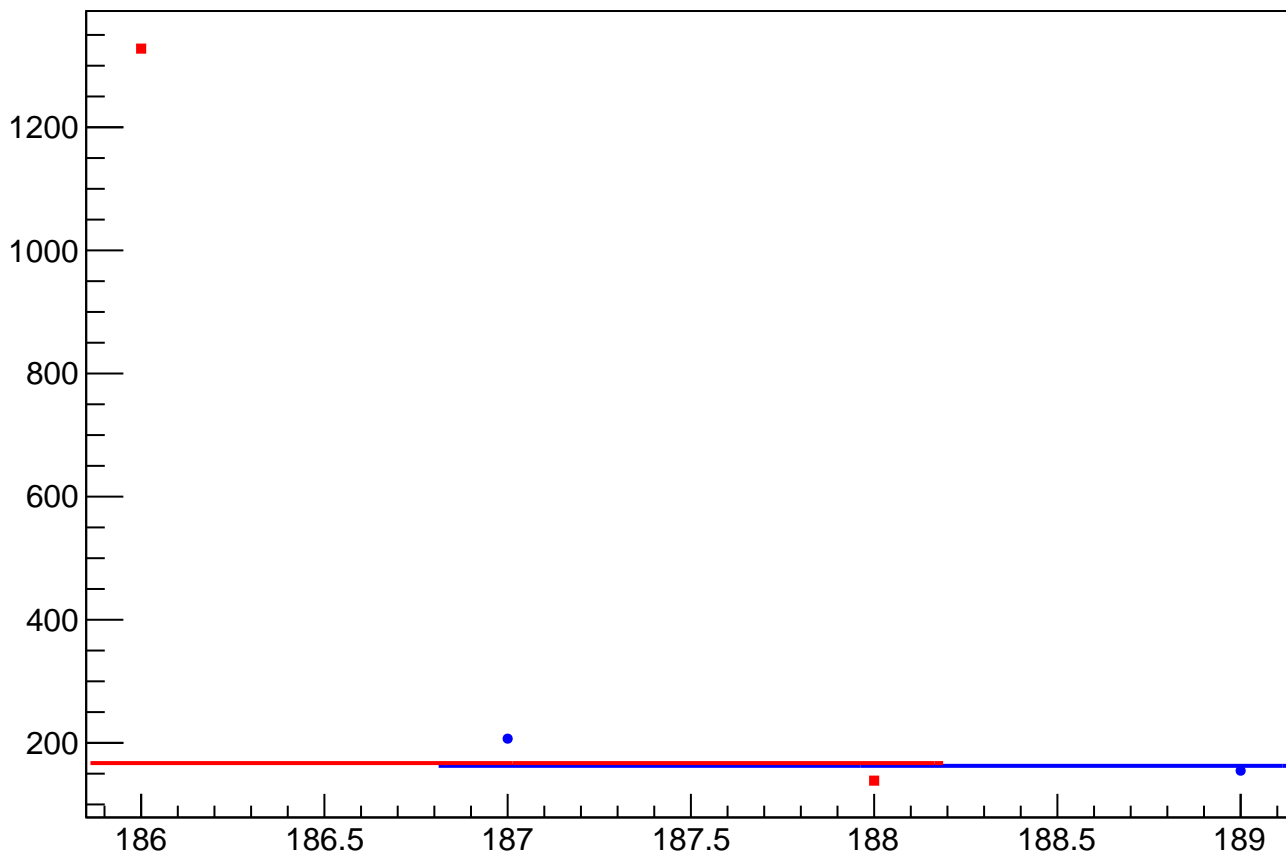
Right: 112.514+/-176.545  $\chi^2/\text{NDF}$ : 0.4/3

In: 60.824+/-207.485  $\chi^2/\text{NDF}$ : 0.1/1

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

All: 112.514+/-176.545  $\chi^2/\text{NDF}$ : 0.4/3

# dit\_asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 162.718+/-0.147  $\chi^2$ /NDF: 16181.6/1

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

Right Out: 167.186+/-0.238  $\chi^2$ /NDF: 586519.4/1

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

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

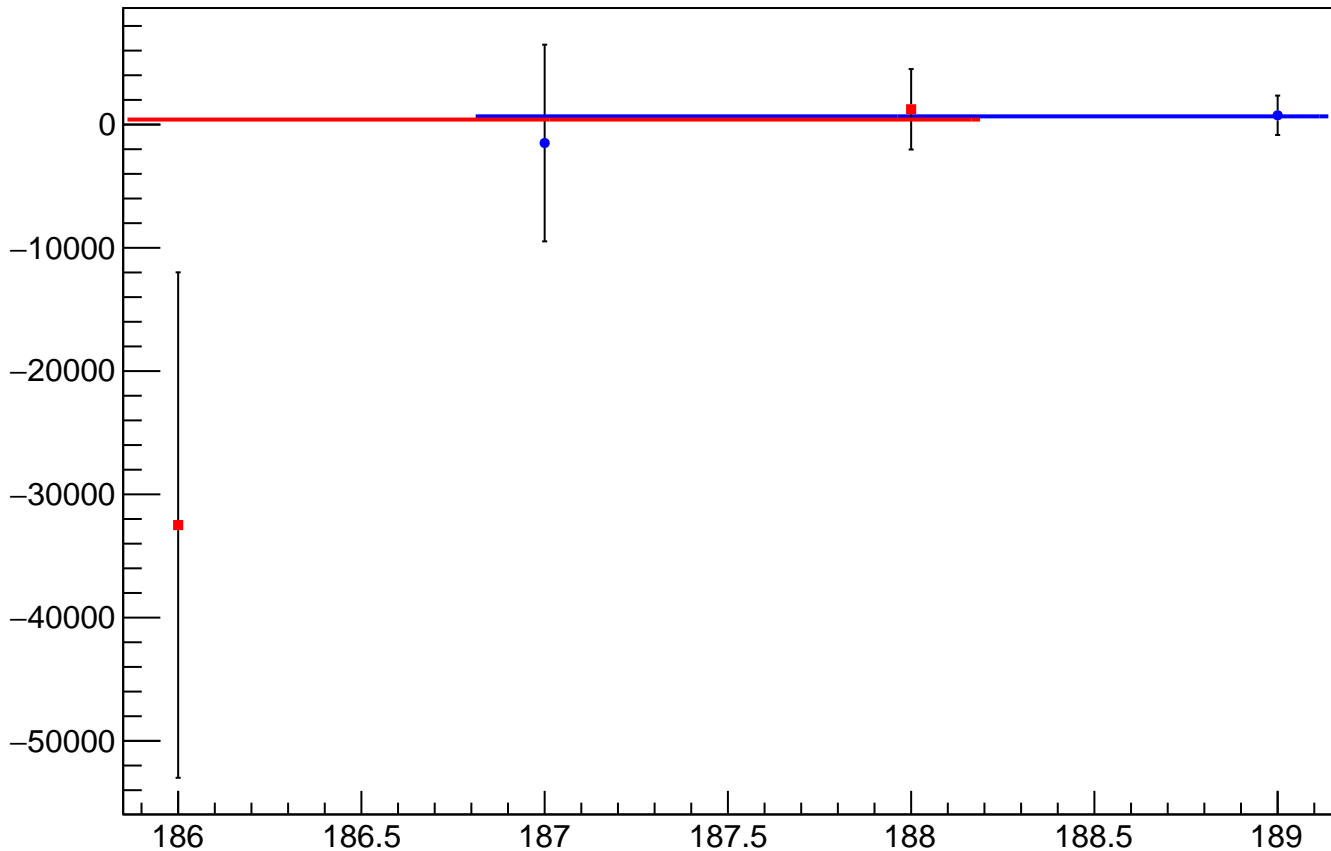
Right: 163.951+/-0.125  $\chi^2$ /NDF: 602957.0/3

In: 162.718+/-0.147  $\chi^2$ /NDF:16181.6/1

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

All: 163.951+/-0.125  $\chi^2$ /NDF: 602957.0/3

# asym\_sam5\_correction\_mean vs Slug, Sign Corrected



Right In: 665.951+/-1566.433  $\chi^2$ /NDF: 0.1/1

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

Right Out: 406.165+/-3222.657  $\chi^2$ /NDF: 2.6/1

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

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

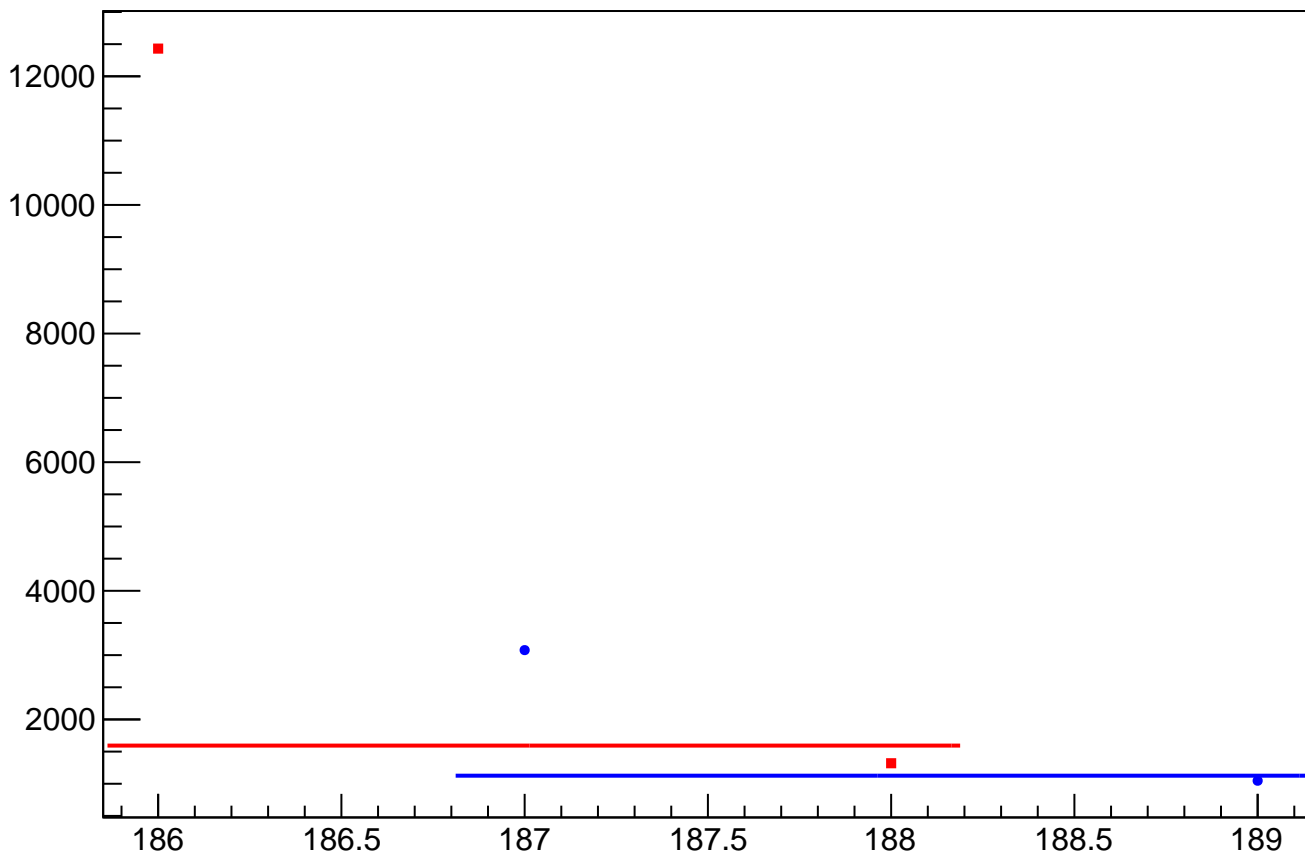
Right: 616.303+/-1408.823  $\chi^2$ /NDF: 2.7/3

In: 665.951+/-1566.433  $\chi^2$ /NDF:0.1/1

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

All: 616.303+/-1408.823  $\chi^2$ /NDF: 2.7/3

# asym\_sam5\_correction\_rms vs Slug, Sign Corrected



Right In: 1125.392+/-1.108  $\chi^2$ /NDF: 124592.7/1

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

Right Out: 1593.406+/-2.279  $\chi^2$ /NDF: 572920.8/1

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

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

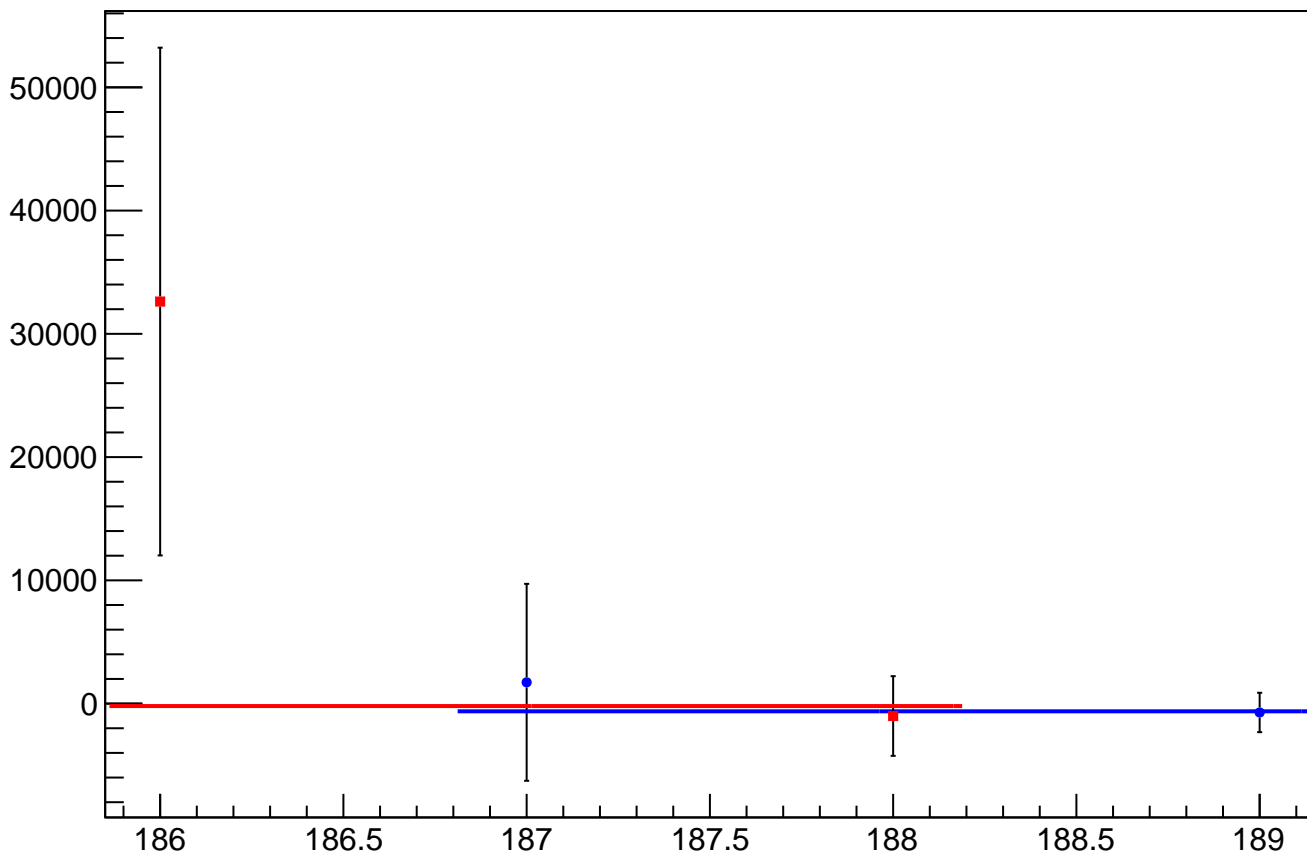
Right: 1214.834+/-0.996  $\chi^2$ /NDF: 731633.5/3

In: 1125.392+/-1.108  $\chi^2$ /NDF:124592.7/1

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

All: 1214.834+/-0.996  $\chi^2$ /NDF: 731633.5/3

# asym\_sam5\_mean vs Slug, Sign Corrected



Right In: -625.514+/-1567.030  $\chi^2/\text{NDF}$ : 0.1/1

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

Right Out: -198.783+/-3193.548  $\chi^2/\text{NDF}$ : 2.6/1

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

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

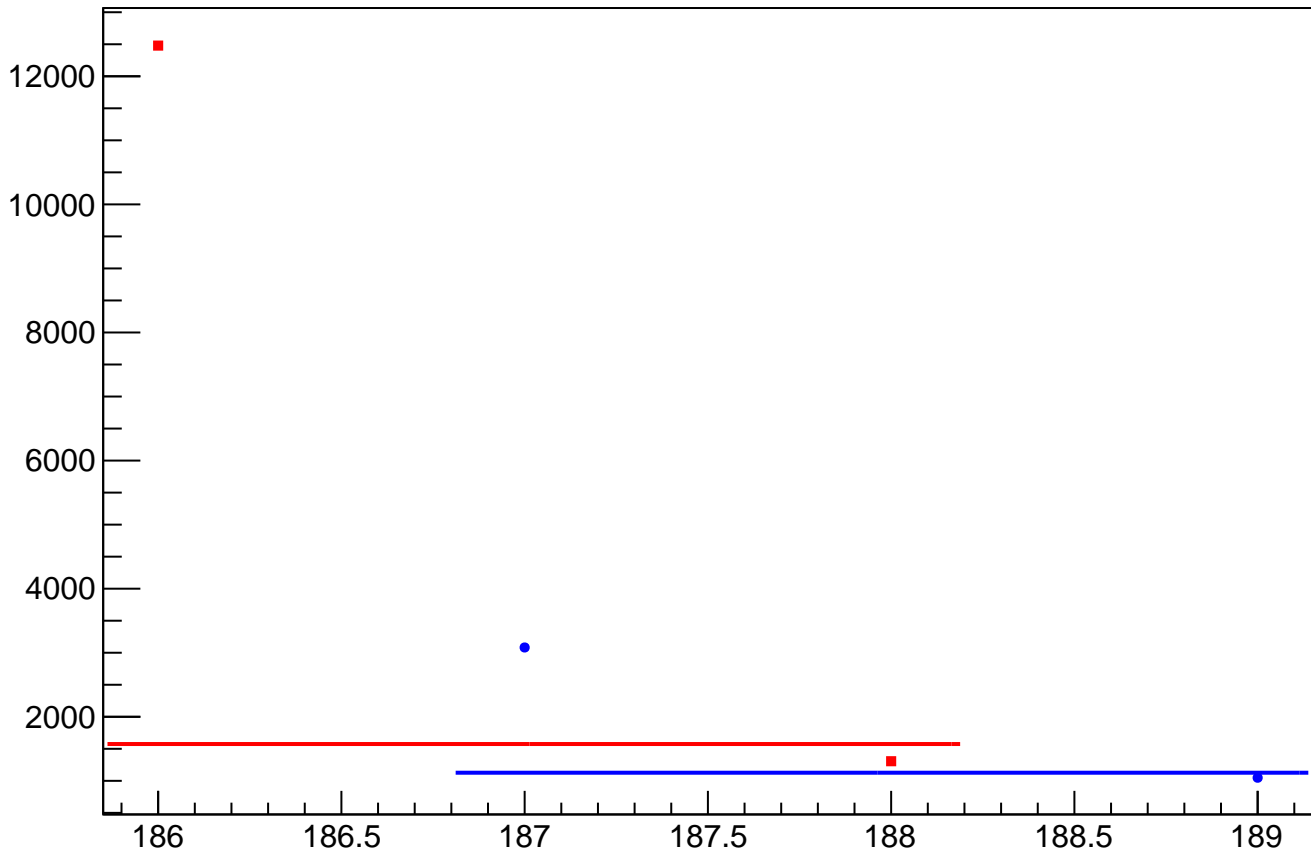
Right: -542.706+/-1406.796  $\chi^2/\text{NDF}$ : 2.7/3

In: -625.514+/-1567.030  $\chi^2/\text{NDF}$ : 0.1/1

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

All: -542.706+/-1406.796  $\chi^2/\text{NDF}$ : 2.7/3

# asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 1126.817+/-1.108  $\chi^2/\text{NDF}$ : 124563.2/1

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

Right Out: 1574.774+/-2.258  $\chi^2/\text{NDF}$ : 574229.9/1

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

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

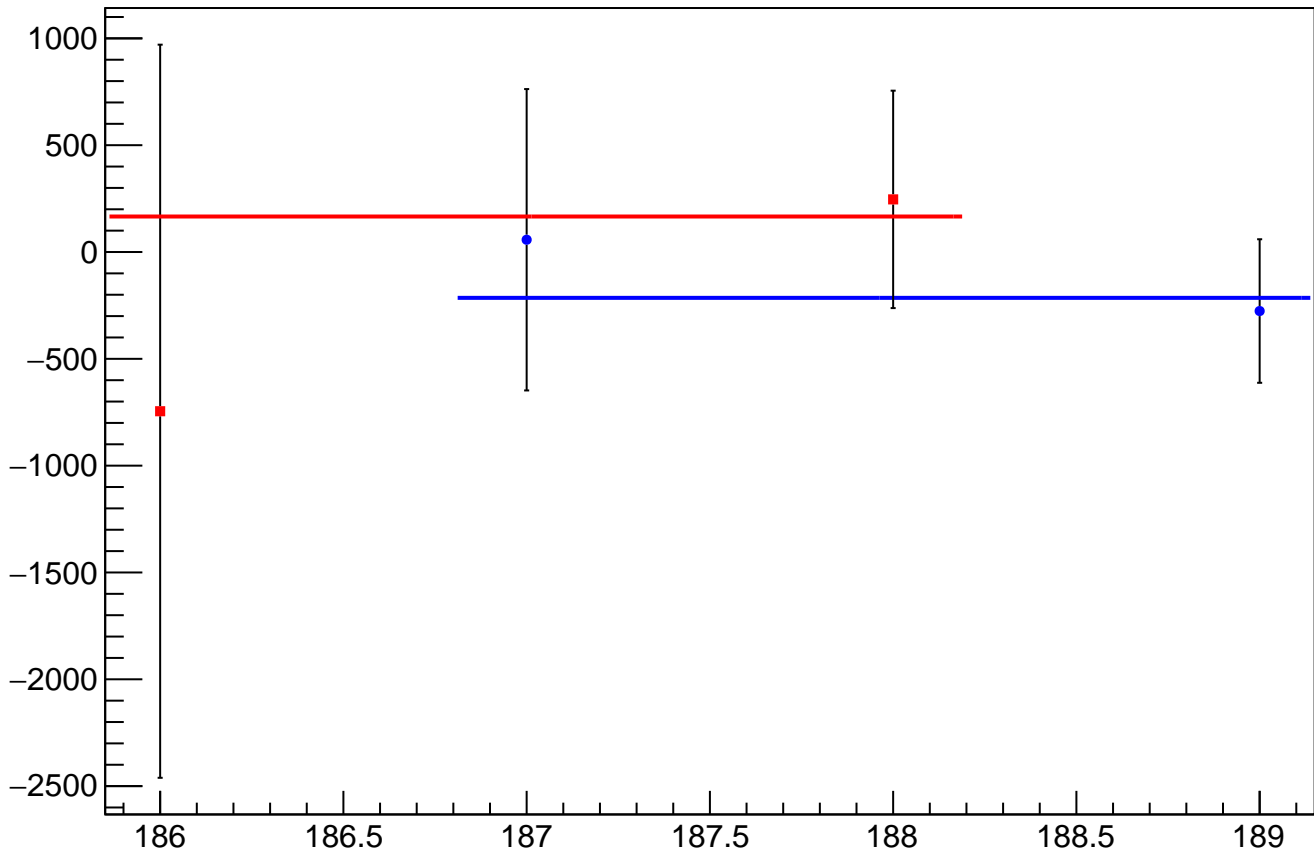
Right: 1213.744+/-0.995  $\chi^2/\text{NDF}$ : 73058.0/3

In: 1126.817+/-1.108  $\chi^2/\text{NDF}$ :124563.2/1

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

All: 1213.744+/-0.995  $\chi^2/\text{NDF}$ : 73058.0/3

# dit\_asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -214.558 +/- 303.297  $\chi^2$ /NDF: 0.2/1

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

Right Out: 166.164 +/- 487.818  $\chi^2$ /NDF: 0.3/1

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

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

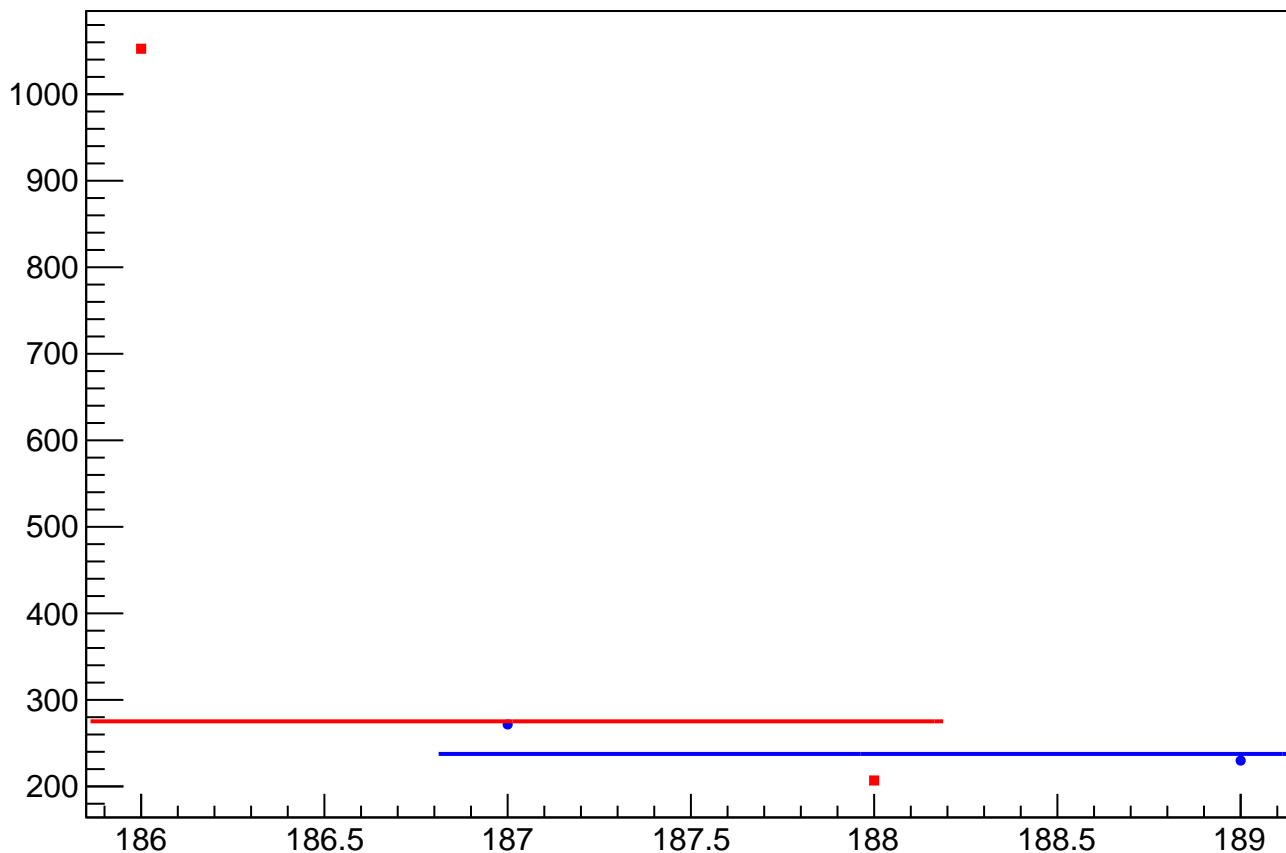
Right: -108.416 +/- 257.571  $\chi^2$ /NDF: 0.9/3

In: -214.558 +/- 303.297  $\chi^2$ /NDF: 0.2/1

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

All: -108.416 +/- 257.571  $\chi^2$ /NDF: 0.9/3

# dit\_asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 237.565 +/- 0.214  $\chi^2$ /NDF: 5711.5/1

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

Right Out: 275.221 +/- 0.345  $\chi^2$ /NDF: 446635.3/1

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

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

Right: 248.063 +/- 0.182  $\chi^2$ /NDF: 460942.0/3

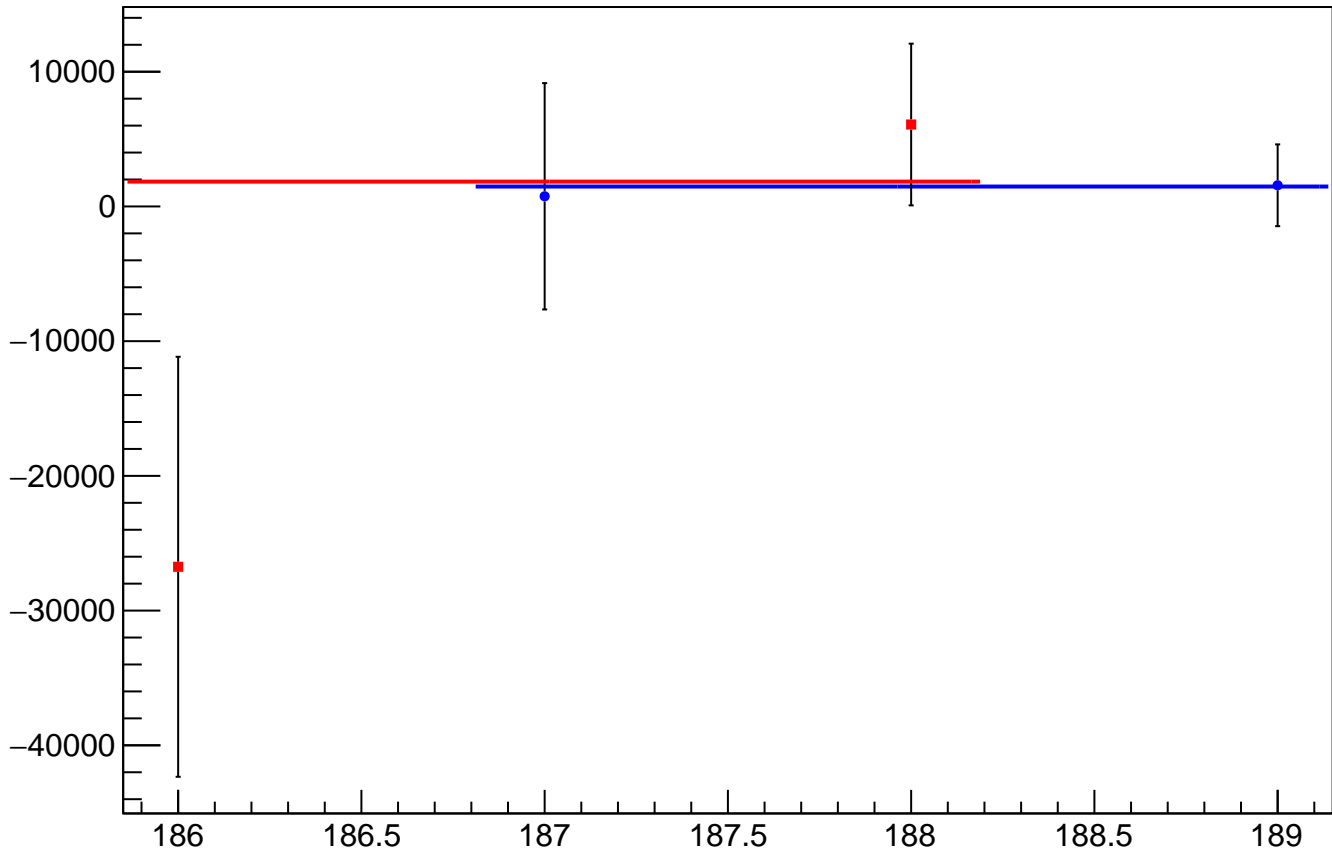
In: 237.565 +/- 0.214  $\chi^2$ /NDF: 5711.5/1

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

All: 248.063 +/- 0.182  $\chi^2$ /NDF: 460942.0/3



# asym\_sam6\_correction\_mean vs Slug, Sign Corrected



Right In: 1477.551+/-2854.310  $\chi^2$ /NDF: 0.0/1

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

Right Out: 1843.162+/-5600.820  $\chi^2$ /NDF: 3.9/1

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

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

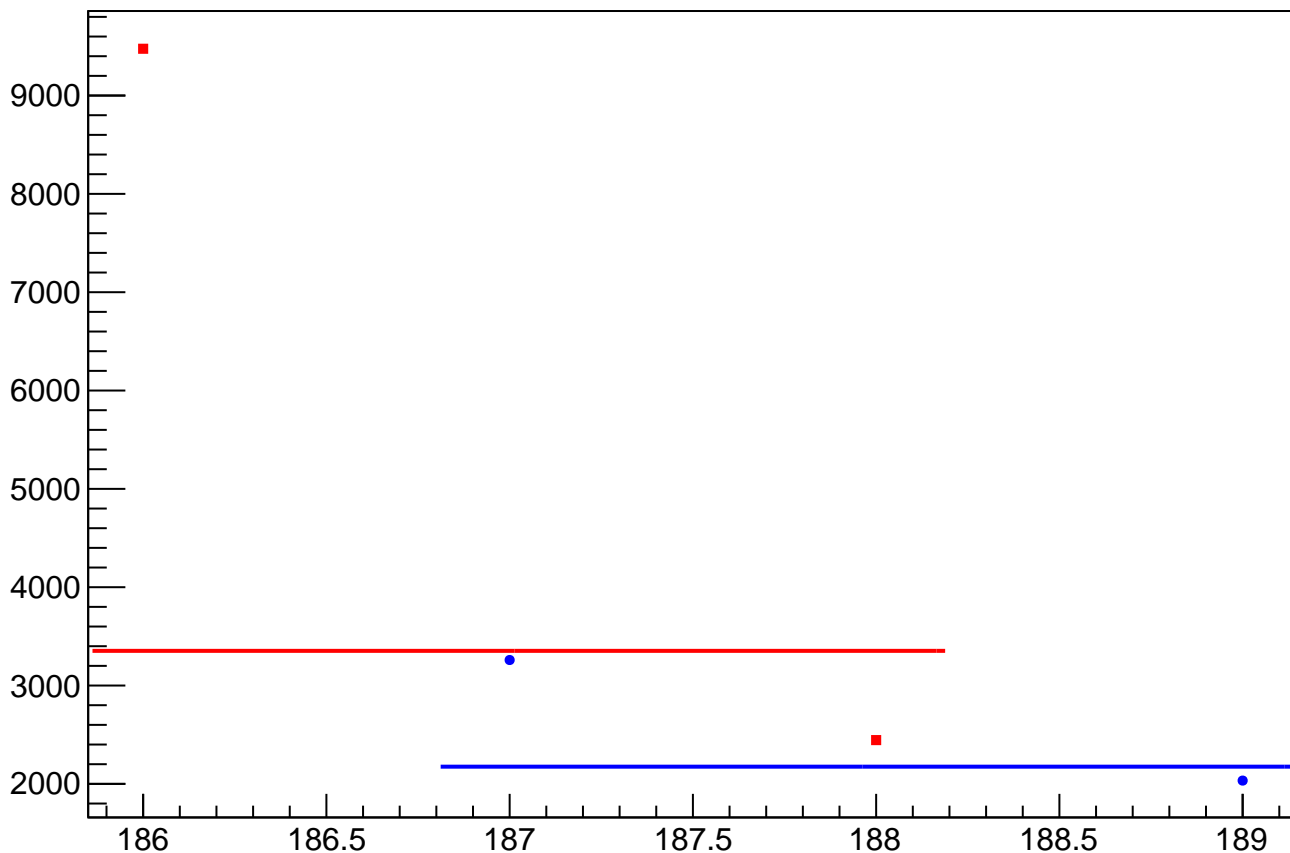
Right: 1552.929+/-2543.108  $\chi^2$ /NDF: 3.9/3

In: 1477.551+/-2854.310  $\chi^2$ /NDF:0.0/1

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

All: 1552.929+/-2543.108  $\chi^2$ /NDF: 3.9/3

# asym\_sam6\_correction\_rms vs Slug, Sign Corrected



Right In: 2174.943+/-2.018  $\chi^2$ /NDF: 37697.0/1

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

Right Out: 3352.706+/-3.960  $\chi^2$ /NDF: 354298.6/1

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

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

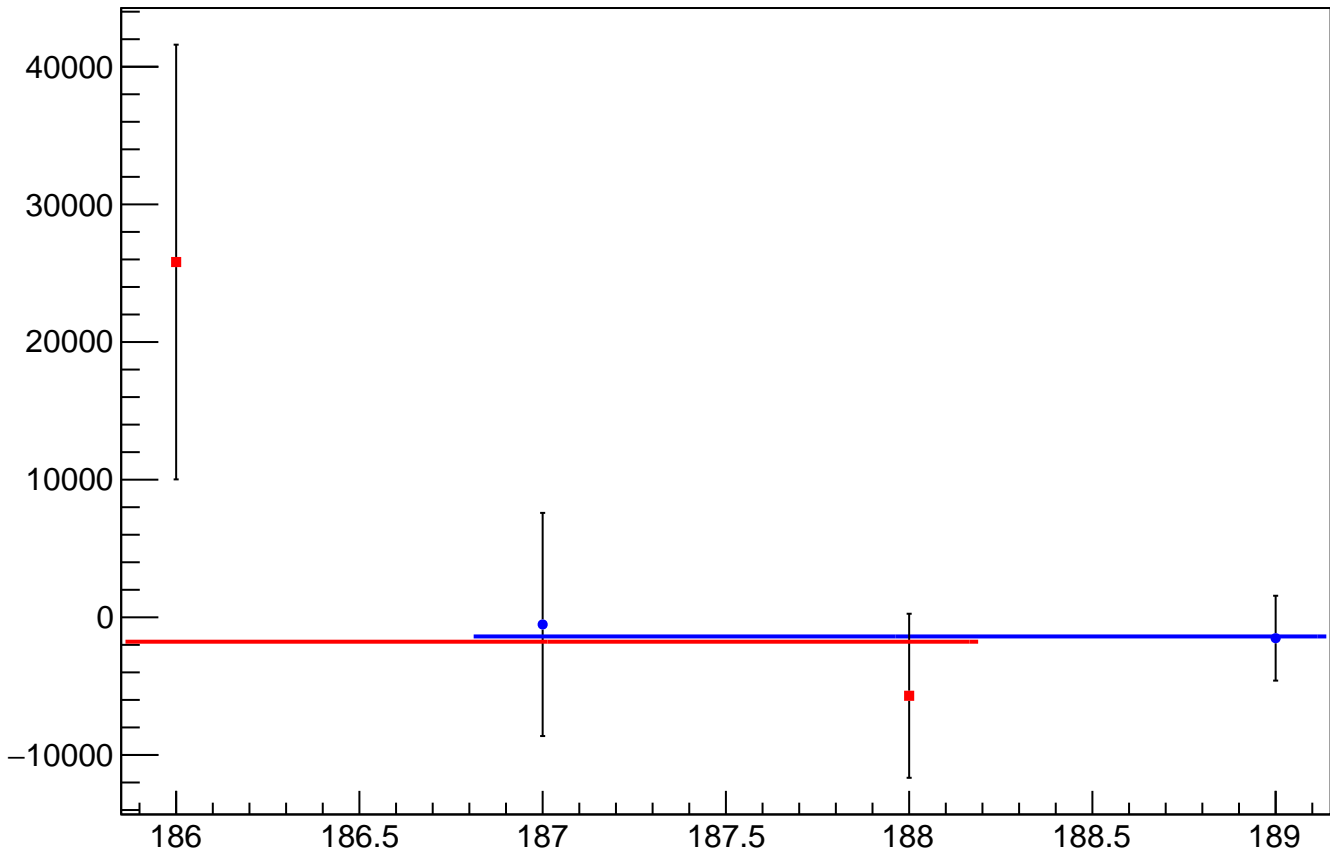
Right: 2417.763+/-1.798  $\chi^2$ /NDF: 462200.9/3

In: 2174.943+/-2.018  $\chi^2$ /NDF:37697.0/1

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

All: 2417.763+/-1.798  $\chi^2$ /NDF: 462200.9/3

# asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -1389.386+/-2881.168  $\chi^2$ /NDF: 0.0/1

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

Right Out: -1771.132+/-5575.360  $\chi^2$ /NDF: 3.5/1

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

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

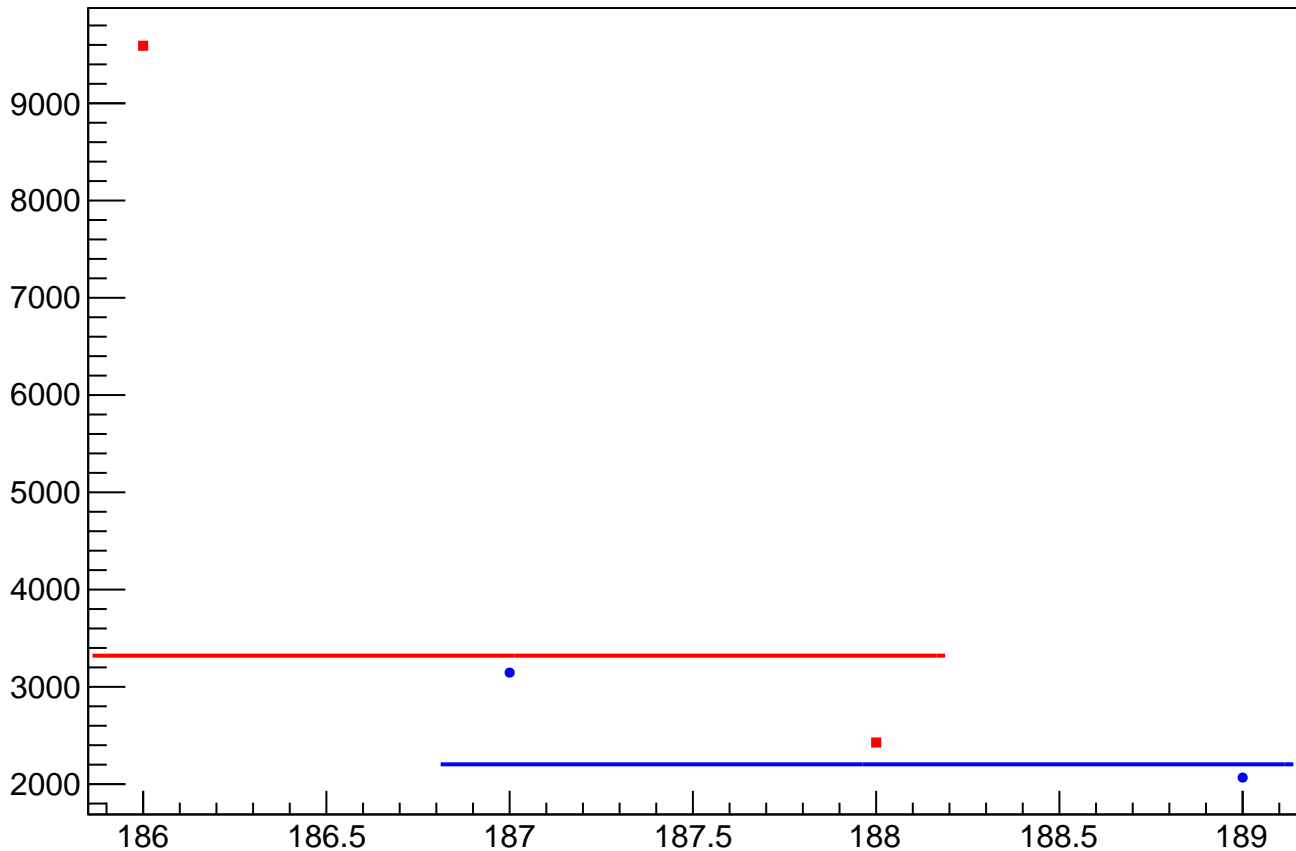
Right: -1469.844+/-2559.599  $\chi^2$ /NDF: 3.5/3

In: -1389.386+/-2881.168  $\chi^2$ /NDF:0.0/1

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

All: -1469.844+/-2559.599  $\chi^2$ /NDF: 3.5/3

# asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 2203.440+/-2.037  $\chi^2/\text{NDF}$ : 30970.1/1

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

Right Out: 3320.679+/-3.942  $\chi^2/\text{NDF}$ : 360293.4/1

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

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

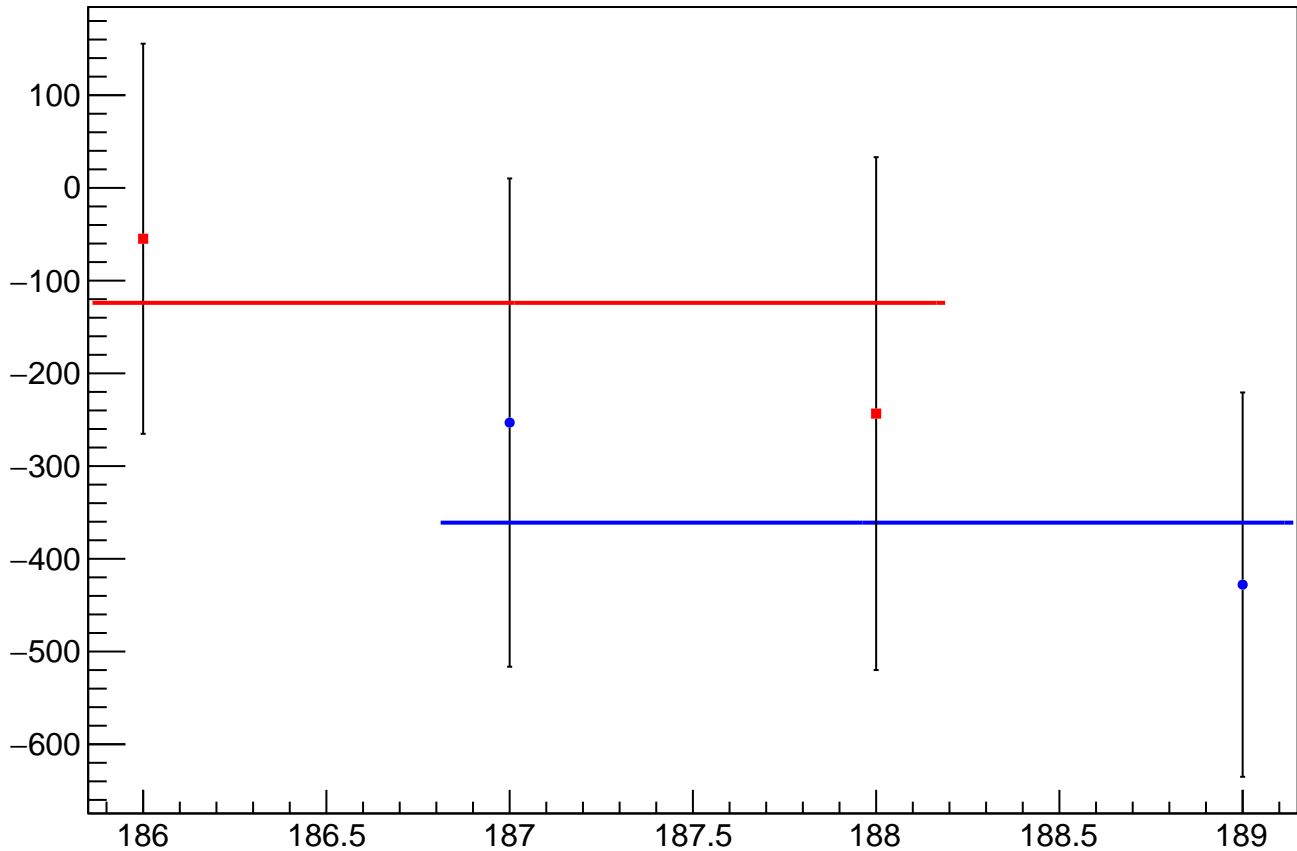
Right: 2438.915+/-1.810  $\chi^2/\text{NDF}$ : 454648.0/3

In: 2203.440+/-2.037  $\chi^2/\text{NDF}$ : 30970.1/1

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

All: 2438.915+/-1.810  $\chi^2/\text{NDF}$ : 454648.0/3

# dit\_asym\_sam7\_mean vs Slug, Sign Corrected



Right In:  $-361.000 \pm 162.845$   $\chi^2/\text{NDF}: 0.3/1$

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

Right Out:  $-123.947 \pm 167.435$   $\chi^2/\text{NDF}: 0.3/1$

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

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

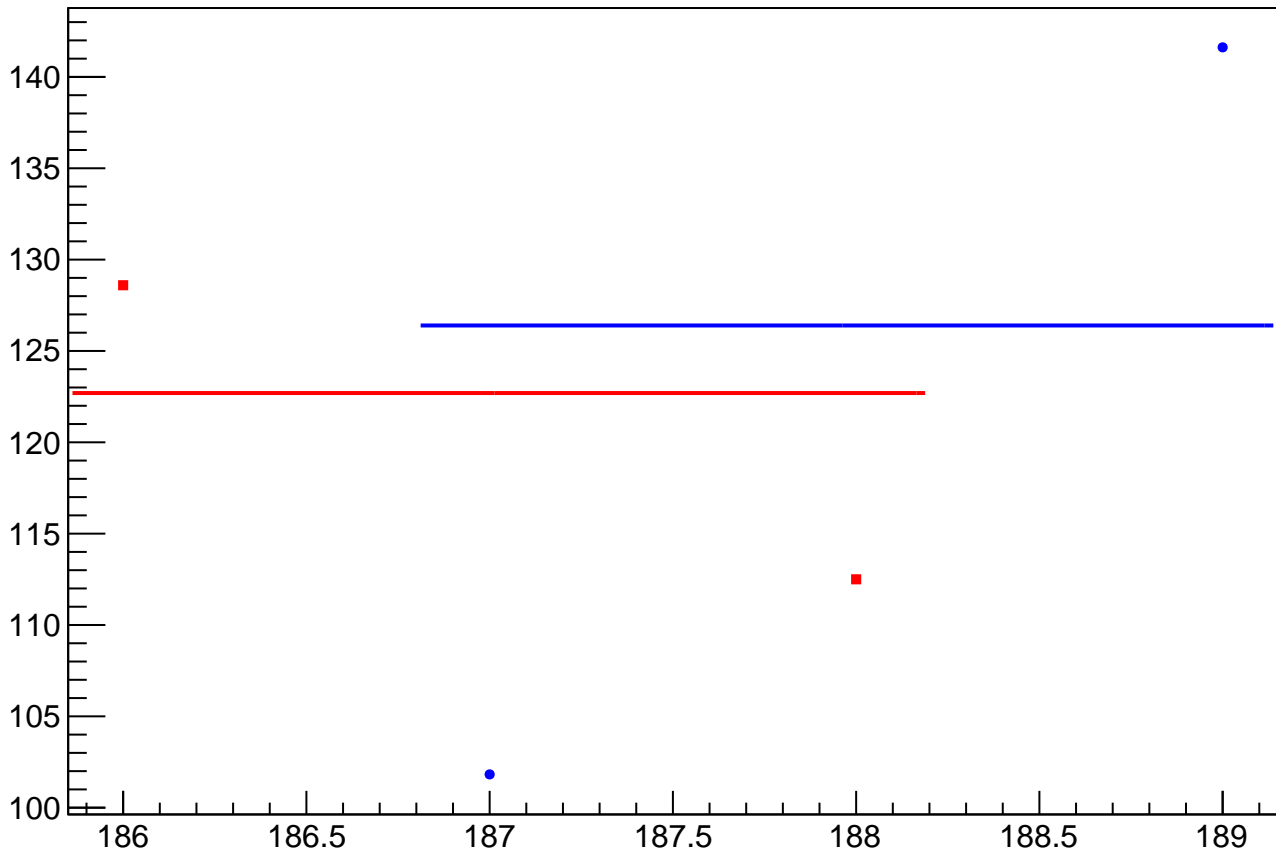
Right:  $-245.767 \pm 116.738$   $\chi^2/\text{NDF}: 1.6/3$

In:  $-361.000 \pm 162.845$   $\chi^2/\text{NDF}: 0.3/1$

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

All:  $-245.767 \pm 116.738$   $\chi^2/\text{NDF}: 1.6/3$

# dit\_asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 126.395 $\pm$ 0.115  $\chi^2$ /NDF: 28214.3/1

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

Right Out: 122.697 $\pm$ 0.118  $\chi^2$ /NDF: 4292.0/1

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

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

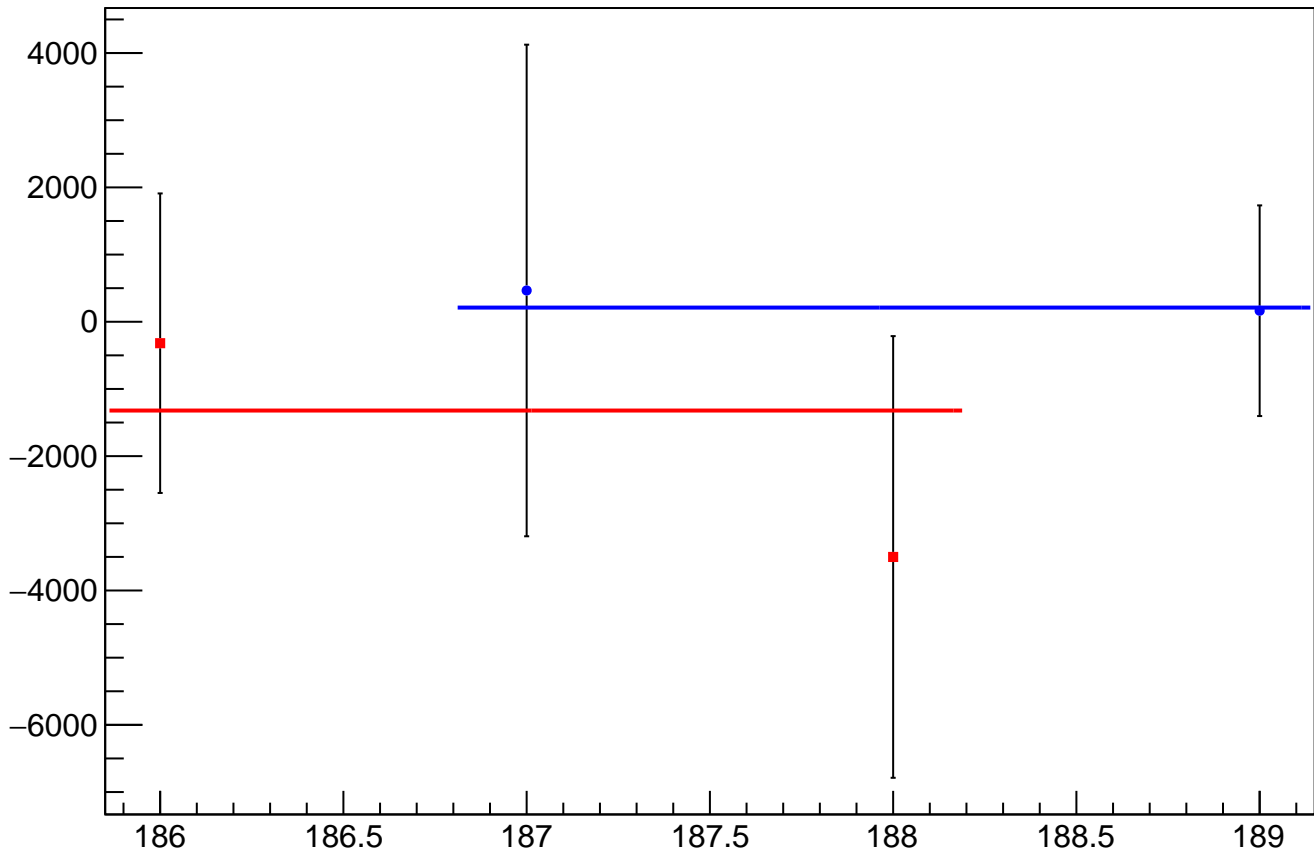
Right: 124.597 $\pm$ 0.083  $\chi^2$ /NDF: 33007.7/3

In: 126.395 $\pm$ 0.115  $\chi^2$ /NDF:28214.3/1

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

All: 124.597 $\pm$ 0.083  $\chi^2$ /NDF: 33007.7/3

# asym\_sam7\_correction\_mean vs Slug, Sign Corrected



Right In: 211.123+/-1441.110  $\chi^2$ /NDF: 0.0/1

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

Right Out: -1321.365+/-1844.975  $\chi^2$ /NDF: 0.6/1

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

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

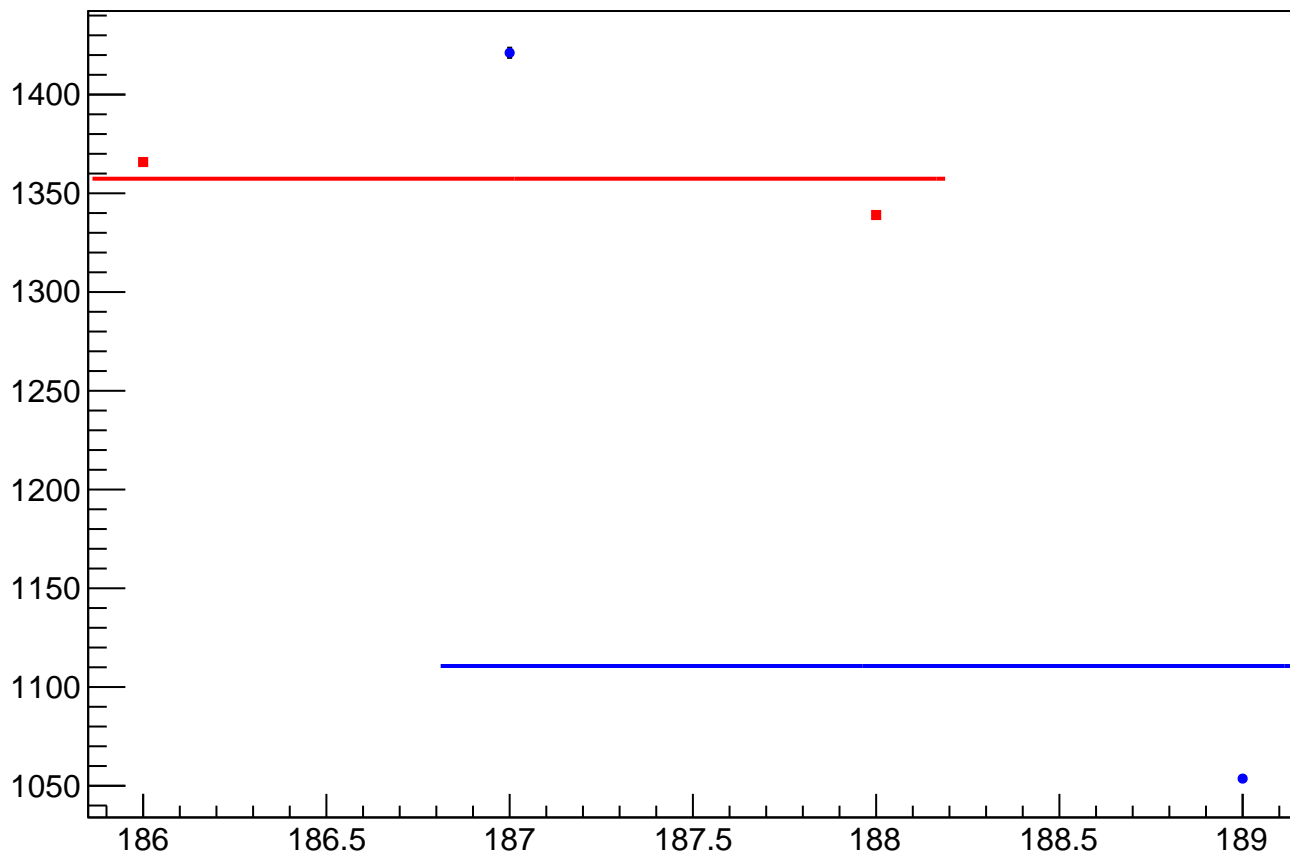
Right: -369.579+/-1135.713  $\chi^2$ /NDF: 1.1/3

In: 211.123+/-1441.110  $\chi^2$ /NDF:0.0/1

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

All: -369.579+/-1135.713  $\chi^2$ /NDF: 1.1/3

# asym\_sam7\_correction\_rms vs Slug, Sign Corrected



Right In: 1110.650+/-1.019  $\chi^2$ /NDF: 17049.6/1

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

Right Out: 1357.389+/-1.305  $\chi^2$ /NDF: 91.3/1

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

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

Right: 1204.146+/-0.803  $\chi^2$ /NDF: 39357.1/3

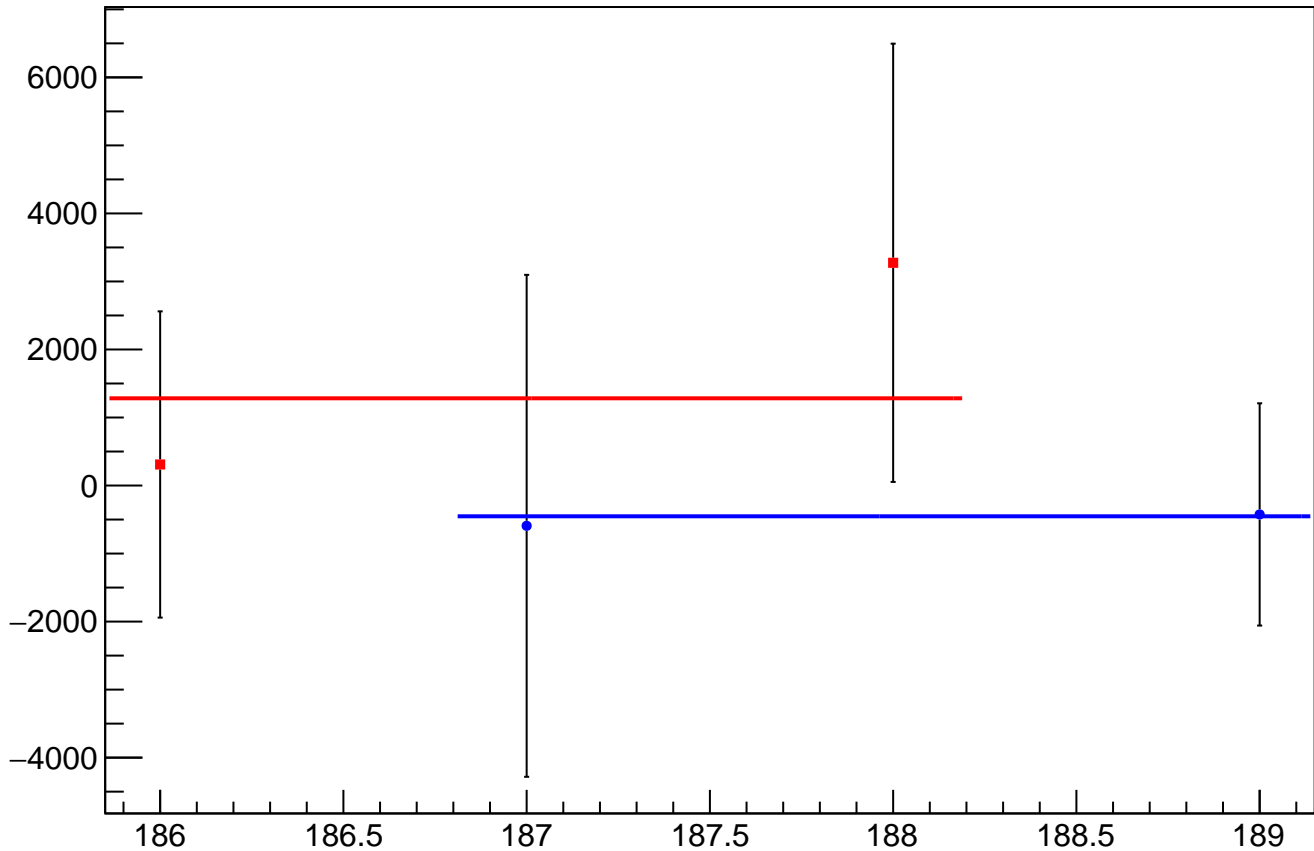
In: 1110.650+/-1.019  $\chi^2$ /NDF:17049.6/1

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

All: 1204.146+/-0.803  $\chi^2$ /NDF: 39357.1/3



# asym\_sam7\_mean vs Slug, Sign Corrected



Right In:  $-452.298 \pm 1493.737$   $\chi^2/\text{NDF}: 0.0/1$

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

Right Out:  $1282.247 \pm 1845.178$   $\chi^2/\text{NDF}: 0.6/1$

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

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

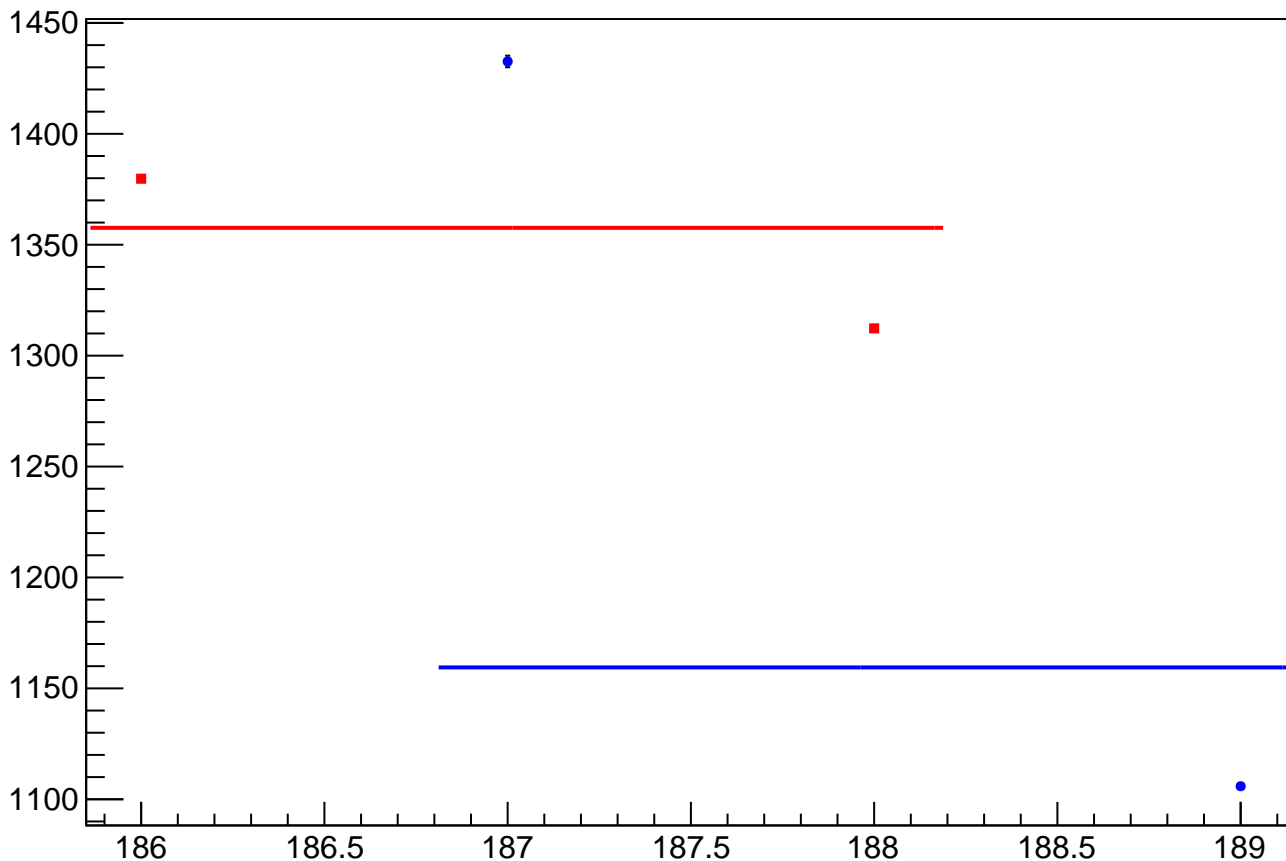
Right:  $234.404 \pm 1160.993$   $\chi^2/\text{NDF}: 1.1/3$

In:  $-452.298 \pm 1493.737$   $\chi^2/\text{NDF}: 0.0/1$

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

All:  $234.404 \pm 1160.993$   $\chi^2/\text{NDF}: 1.1/3$

# asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 1159.439+/-1.056  $\chi^2$ /NDF: 13116.0/1

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

Right Out: 1357.630+/-1.305  $\chi^2$ /NDF: 589.6/1

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

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

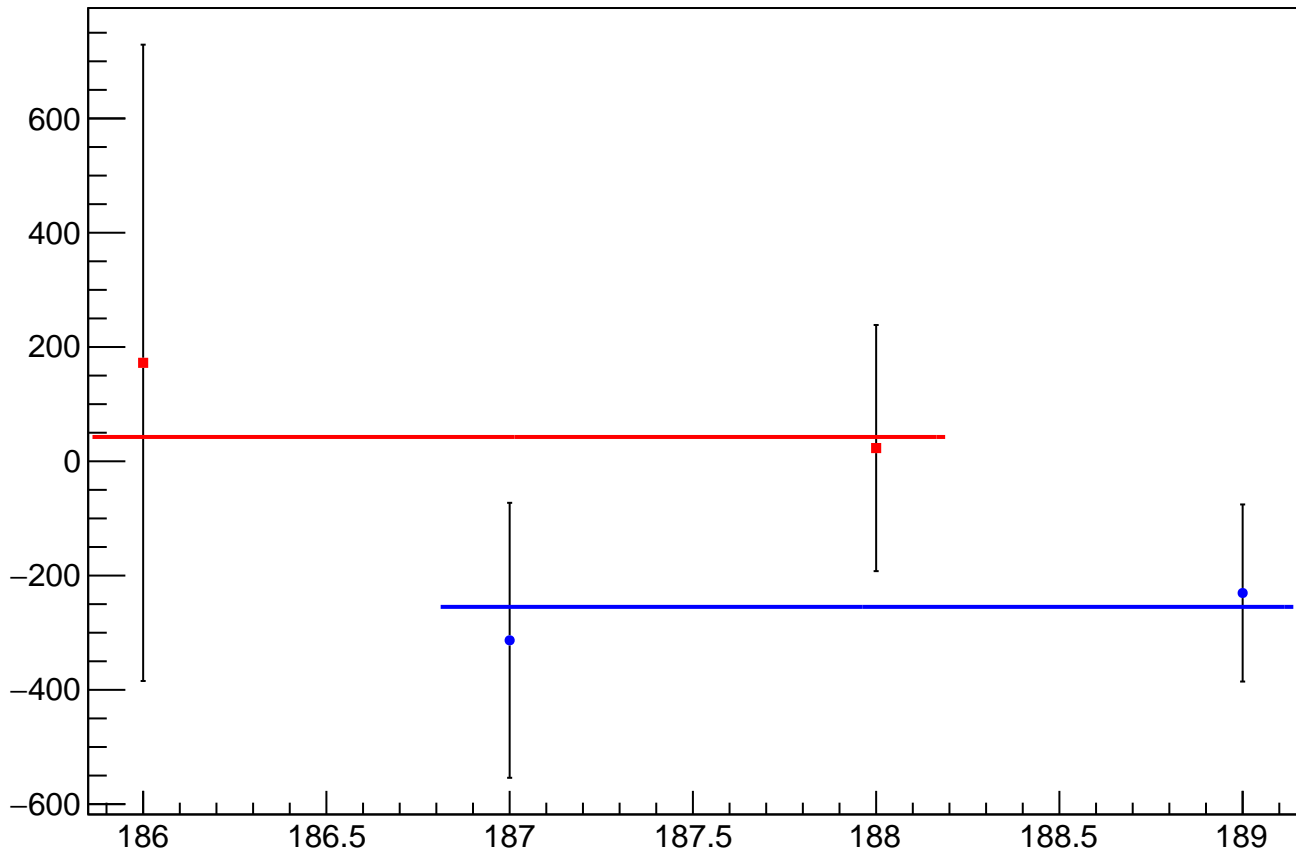
Right: 1237.902+/-0.821  $\chi^2$ /NDF: 27644.7/3

In: 1159.439+/-1.056  $\chi^2$ /NDF:13116.0/1

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

All: 1237.902+/-0.821  $\chi^2$ /NDF: 27644.7/3

# dit\_asym\_sam8\_mean vs Slug, Sign Corrected



Right In:  $-254.774 \pm 130.288$   $\chi^2/\text{NDF}: 0.1/1$

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

Right Out:  $42.578 \pm 200.884$   $\chi^2/\text{NDF}: 0.1/1$

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

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

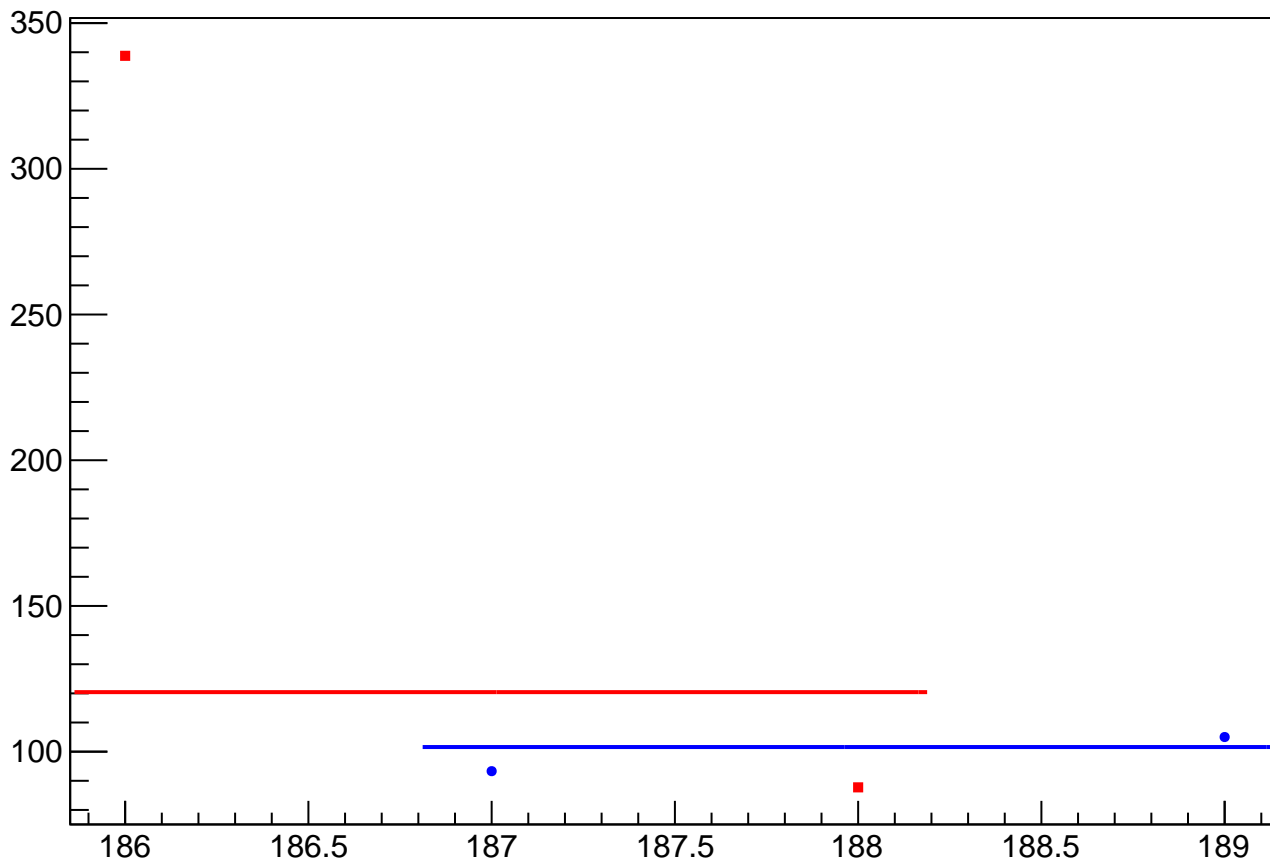
Right:  $-166.729 \pm 109.310$   $\chi^2/\text{NDF}: 1.7/3$

In:  $-254.774 \pm 130.288$   $\chi^2/\text{NDF}: 0.1/1$

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

All:  $-166.729 \pm 109.310$   $\chi^2/\text{NDF}: 1.7/3$

# dit\_asym\_sam8\_rms vs Slug, Sign Corrected



Right In:  $101.587 \pm 0.092$   $\chi^2/\text{NDF}: 3350.0/1$

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

Right Out:  $120.426 \pm 0.142$   $\chi^2/\text{NDF}: 353589.1/1$

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

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

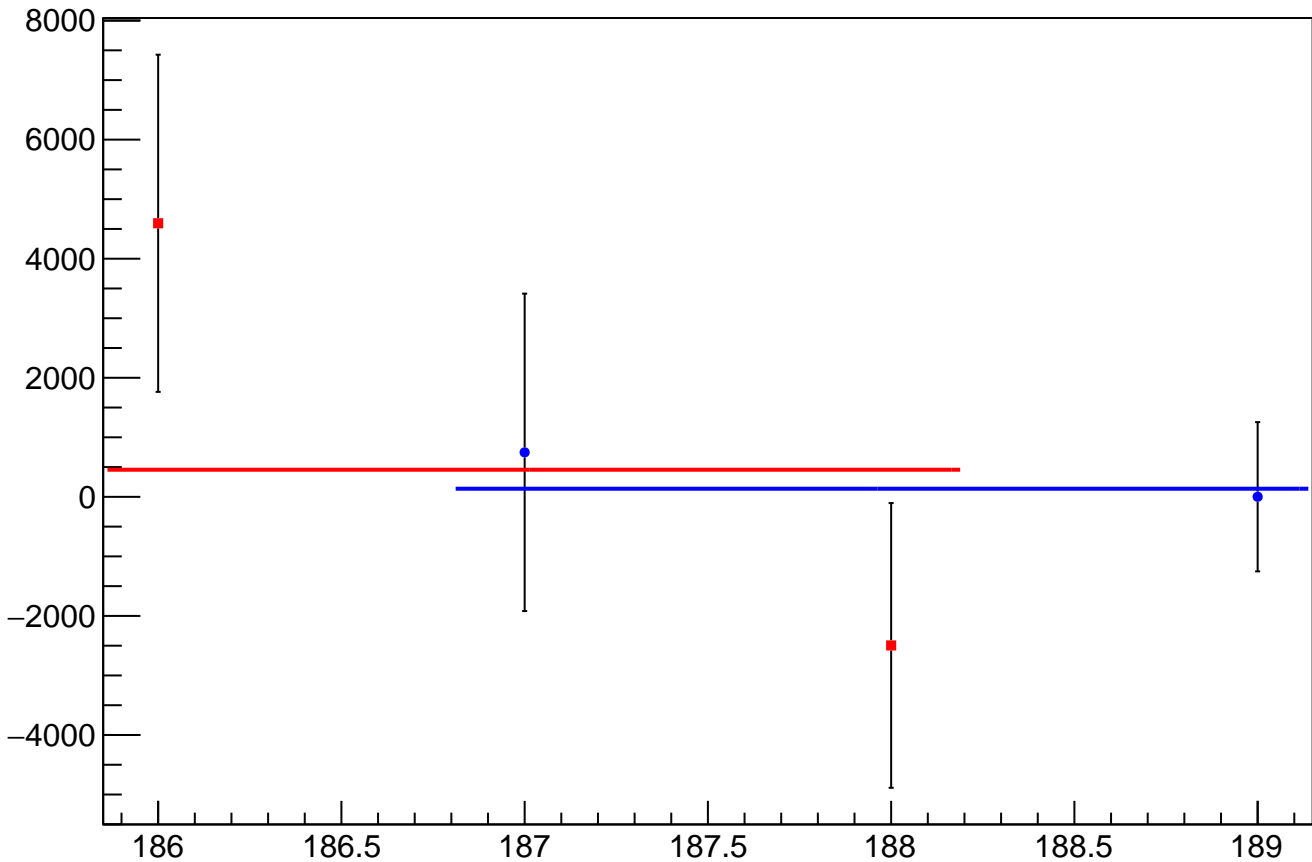
Right:  $107.165 \pm 0.077$   $\chi^2/\text{NDF}: 369321.1/3$

In:  $101.587 \pm 0.092$   $\chi^2/\text{NDF}: 3350.0/1$

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

All:  $107.165 \pm 0.077$   $\chi^2/\text{NDF}: 369321.1/3$

# asym\_sam8\_correction\_mean vs Slug, Sign Corrected



Right In: 136.490+/-1134.317  $\chi^2/\text{NDF}$ : 0.1/1

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

Right Out: 455.416+/-1826.999  $\chi^2/\text{NDF}$ : 3.7/1

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

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

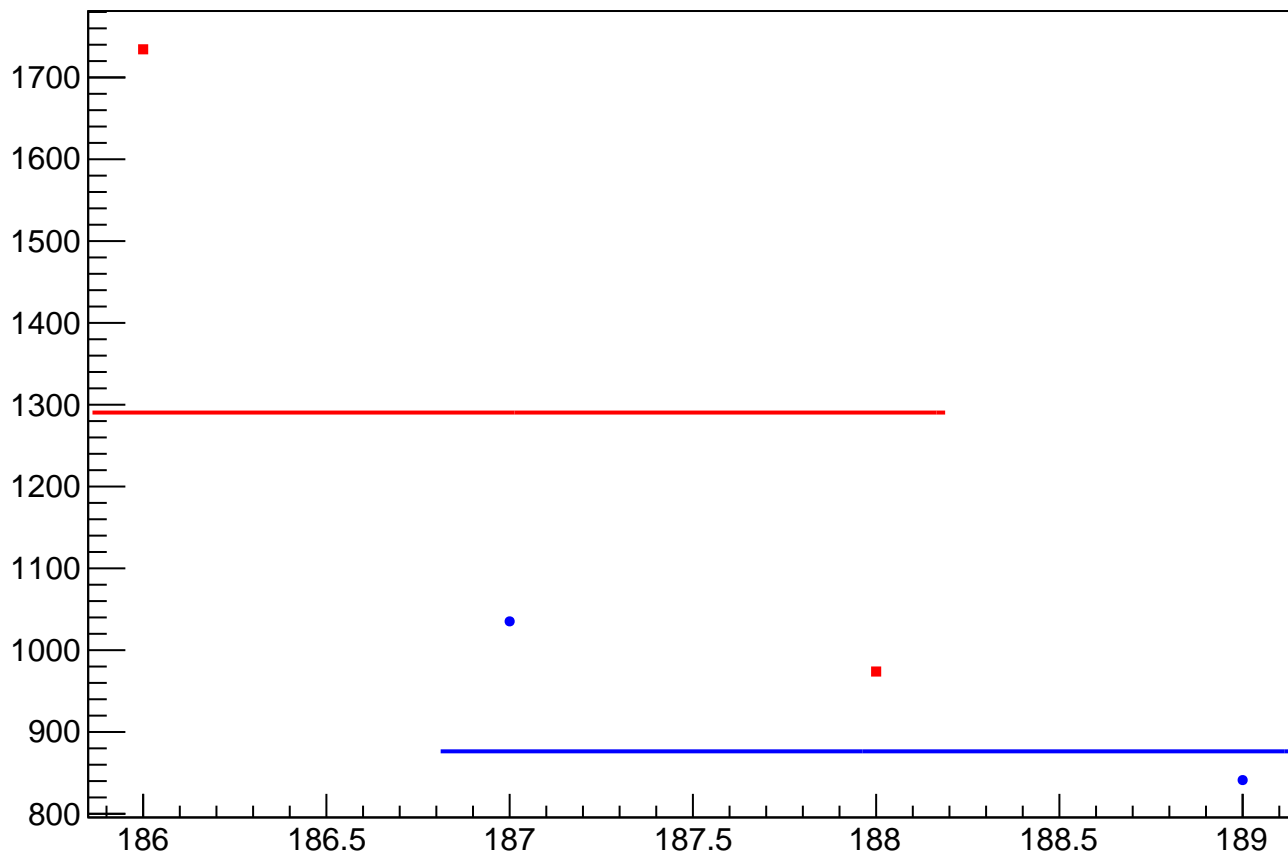
Right: 225.223+/-963.686  $\chi^2/\text{NDF}$ : 3.7/3

In: 136.490+/-1134.317  $\chi^2/\text{NDF}$ : 0.1/1

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

All: 225.223+/-963.686  $\chi^2/\text{NDF}$ : 3.7/3

# asym\_sam8\_correction\_rms vs Slug, Sign Corrected



Right In: 876.352+/-0.802  $\chi^2$ /NDF: 8672.4/1

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

Right Out: 1290.421+/-1.292  $\chi^2$ /NDF: 84198.8/1

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

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

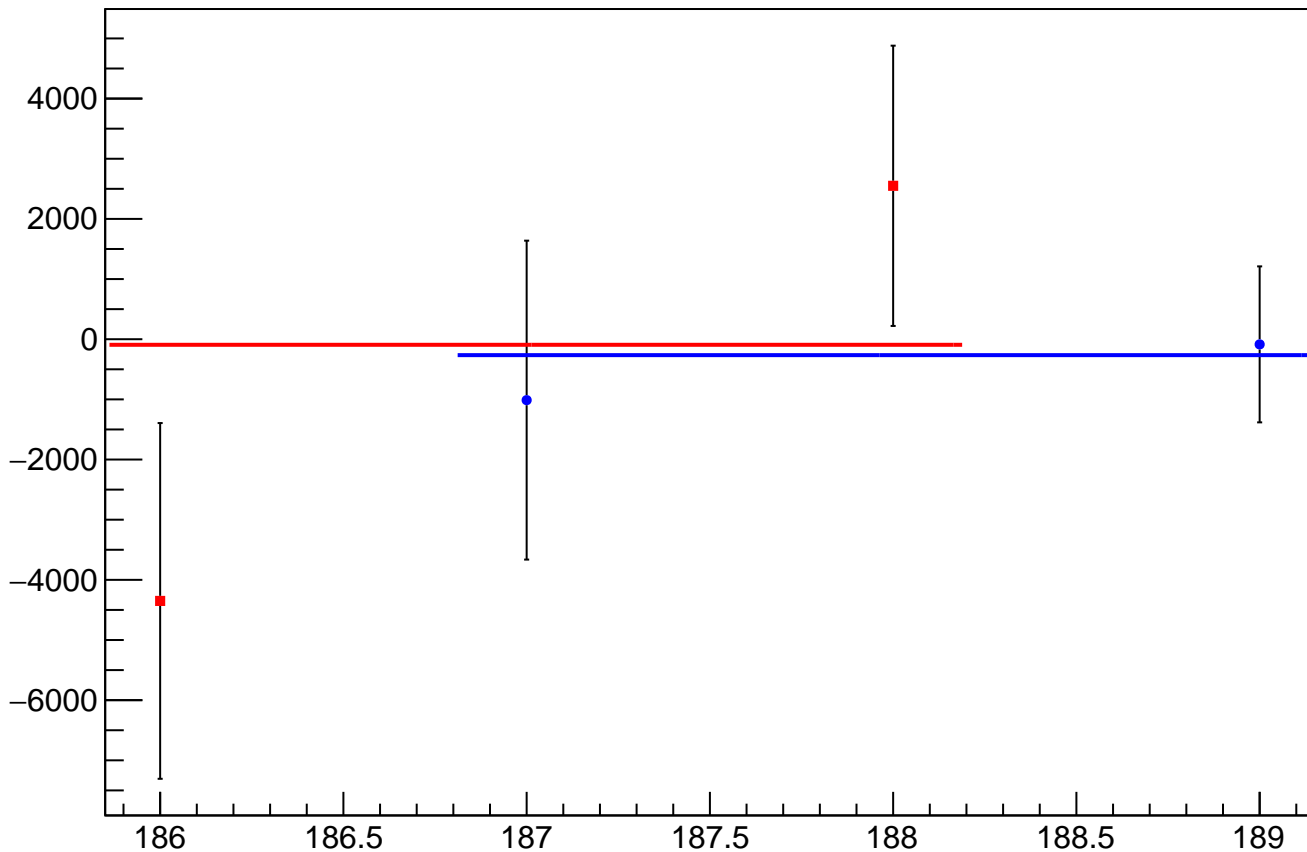
Right: 991.556+/-0.681  $\chi^2$ /NDF: 167019.7/3

In: 876.352+/-0.802  $\chi^2$ /NDF:8672.4/1

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

All: 991.556+/-0.681  $\chi^2$ /NDF: 167019.7/3

# asym\_sam8\_mean vs Slug, Sign Corrected



Right In:  $-264.591 \pm 1164.673$   $\chi^2/\text{NDF}: 0.1/1$

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

Right Out:  $-92.658 \pm 1829.868$   $\chi^2/\text{NDF}: 3.4/1$

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

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

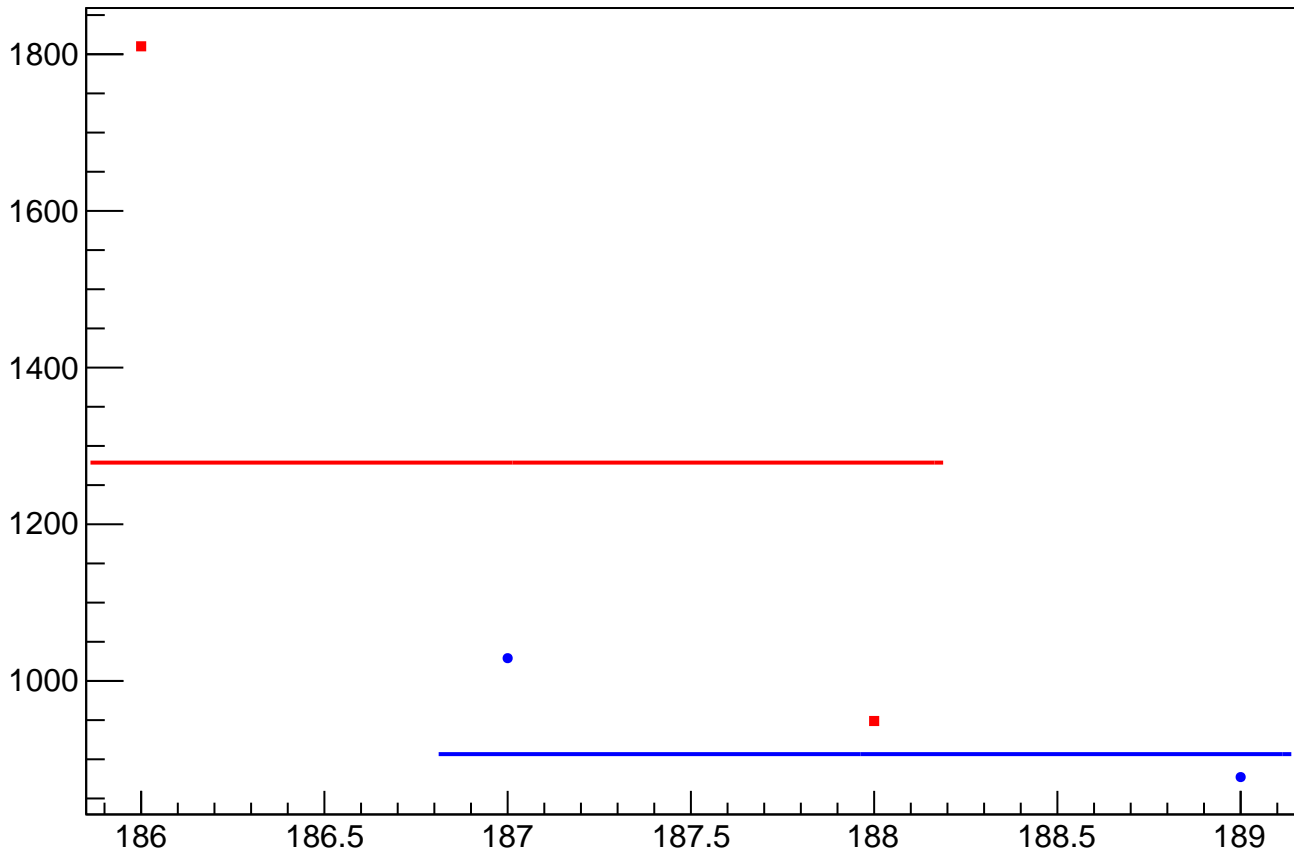
Right:  $-215.021 \pm 982.538$   $\chi^2/\text{NDF}: 3.5/3$

In:  $-264.591 \pm 1164.673$   $\chi^2/\text{NDF}: 0.1/1$

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

All:  $-215.021 \pm 982.538$   $\chi^2/\text{NDF}: 3.5/3$

# asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 906.601 $\pm$ 0.824  $\chi^2$ /NDF: 5292.2/1

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

Right Out: 1278.724 $\pm$ 1.294  $\chi^2$ /NDF: 104694.0/1

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

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

Right: 1013.888 $\pm$ 0.695  $\chi^2$ /NDF: 168850.9/3

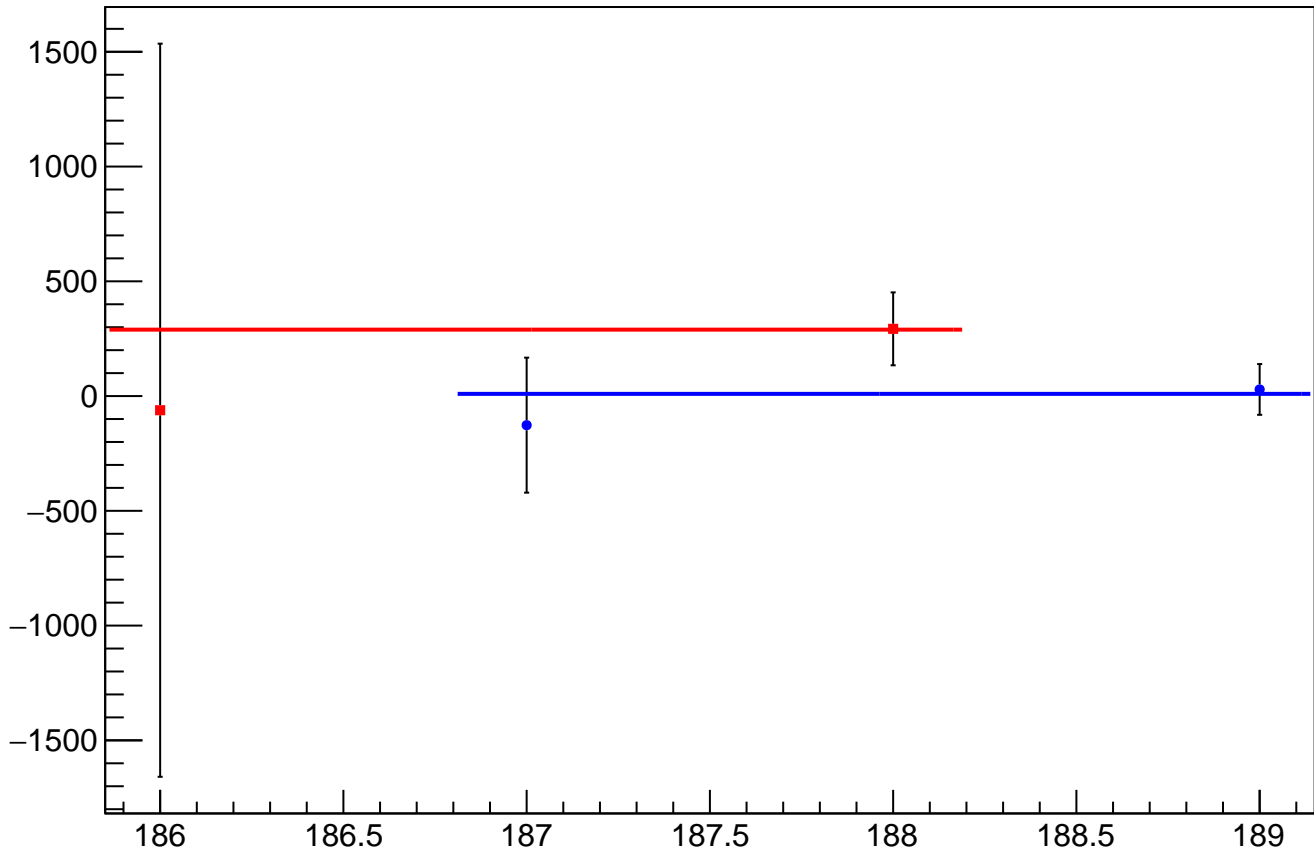
In: 906.601 $\pm$ 0.824  $\chi^2$ /NDF:5292.2/1

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

All: 1013.888 $\pm$ 0.695  $\chi^2$ /NDF: 168850.9/3



# dit\_asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: 9.614+/-103.506  $\chi^2/\text{NDF}$ : 0.2/1

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

Right Out: 289.421+/-158.037  $\chi^2/\text{NDF}$ : 0.0/1

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

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

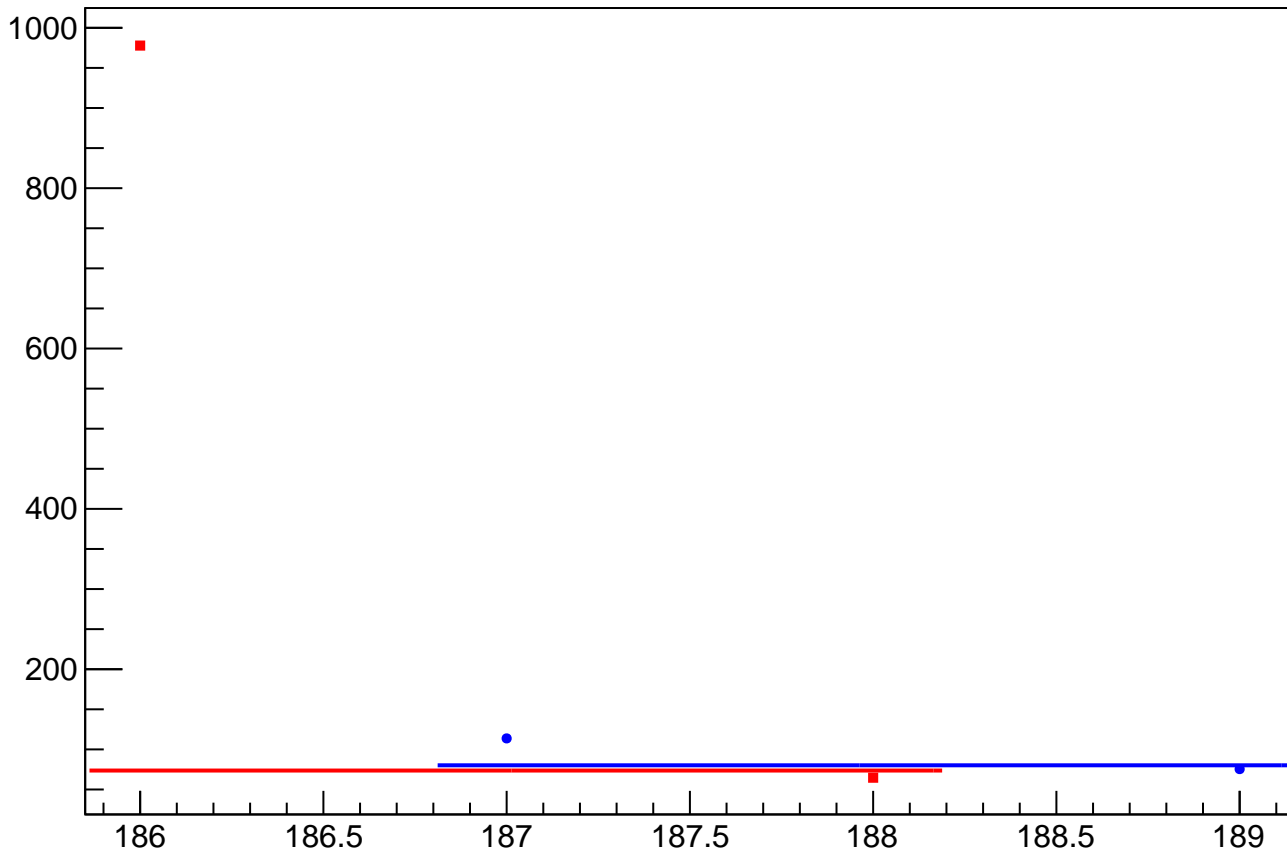
Right: 93.609+/-86.588  $\chi^2/\text{NDF}$ : 2.5/3

In: 9.614+/-103.506  $\chi^2/\text{NDF}$ :0.2/1

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

All: 93.609+/-86.588  $\chi^2/\text{NDF}$ : 2.5/3

# dit\_asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 80.171+/-0.073  $\chi^2$ /NDF: 29695.8/1

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

Right Out: 73.634+/-0.112  $\chi^2$ /NDF: 647430.6/1

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

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

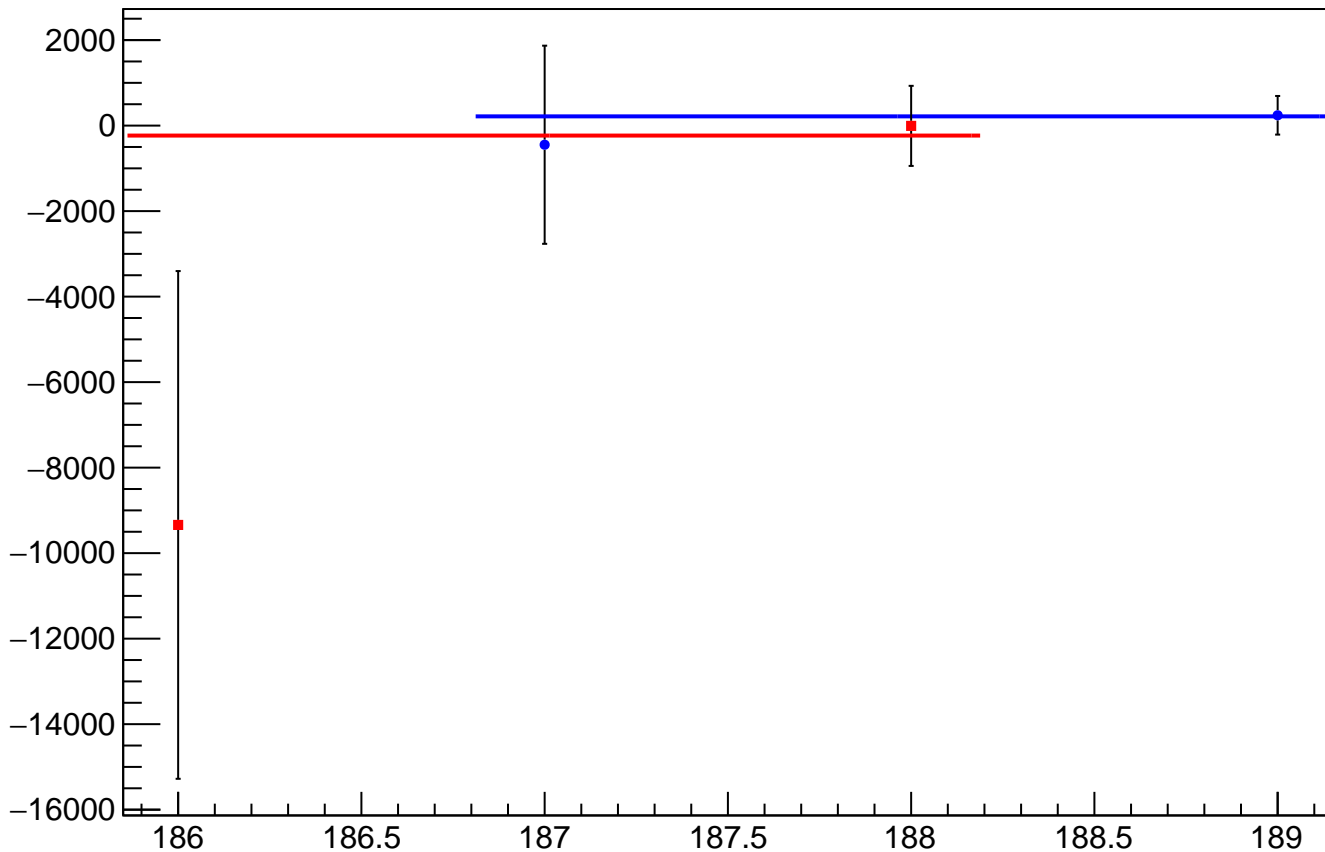
Right: 78.209+/-0.061  $\chi^2$ /NDF: 679520.7/3

In: 80.171+/-0.073  $\chi^2$ /NDF:29695.8/1

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

All: 78.209+/-0.061  $\chi^2$ /NDF: 679520.7/3

# asym\_sam\_15\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 216.043+/-443.463  $\chi^2$ /NDF: 0.1/1

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

Right Out: -233.155+/-925.209  $\chi^2$ /NDF: 2.4/1

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

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

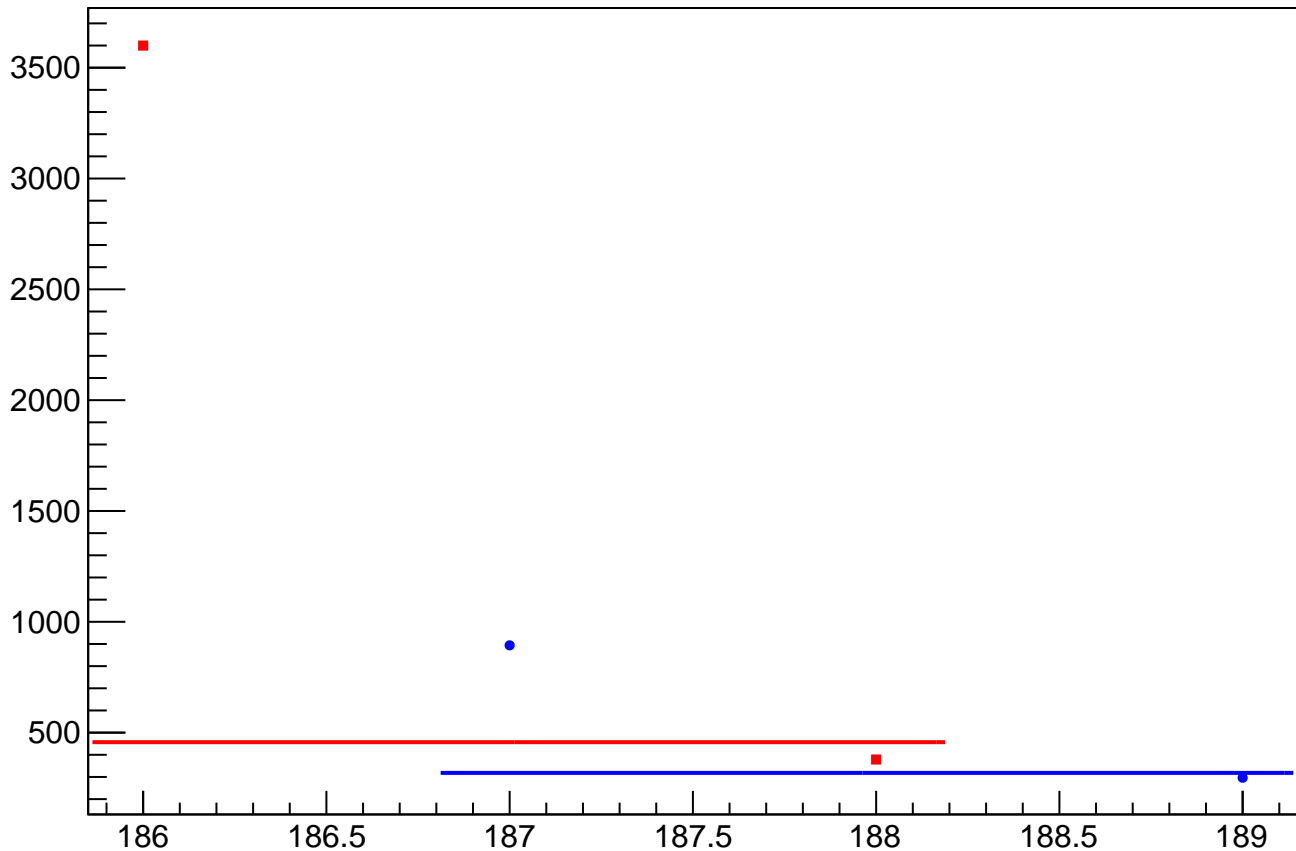
Right: 132.124+/-399.899  $\chi^2$ /NDF: 2.7/3

In: 216.043+/-443.463  $\chi^2$ /NDF:0.1/1

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

All: 132.124+/-399.899  $\chi^2$ /NDF: 2.7/3

# asym\_sam\_15\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 318.397+/-0.314  $\chi^2$ /NDF: 128030.1/1

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

Right Out: 456.914+/-0.654  $\chi^2$ /NDF: 574229.0/1

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

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

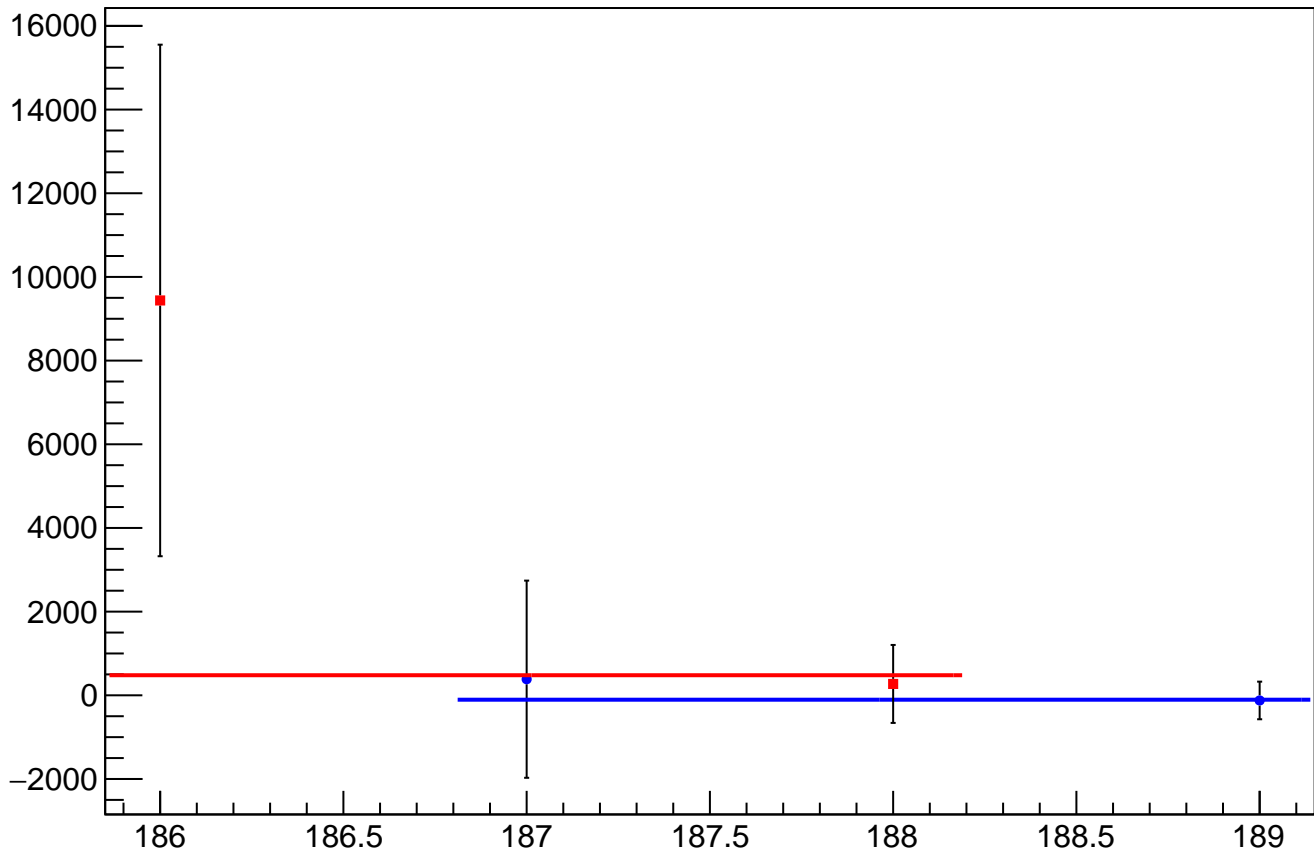
Right: 344.275+/-0.283  $\chi^2$ /NDF: 738713.0/3

In: 318.397+/-0.314  $\chi^2$ /NDF:128030.1/1

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

All: 344.275+/-0.283  $\chi^2$ /NDF: 738713.0/3

# asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: -105.186+/-441.657  $\chi^2$ /NDF: 0.0/1

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

Right Out: 479.941+/-921.135  $\chi^2$ /NDF: 2.2/1

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

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

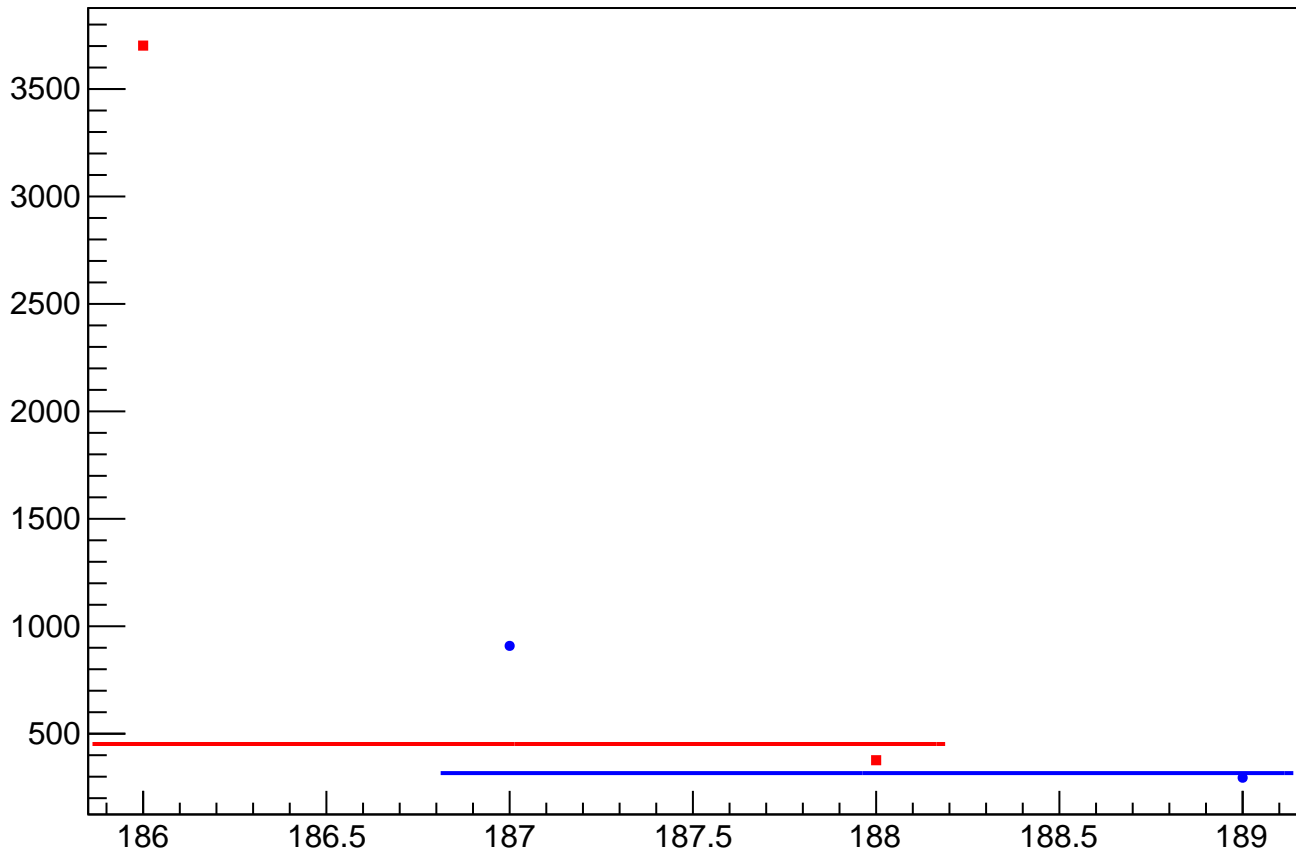
Right: 4.187+/-398.246  $\chi^2$ /NDF: 2.6/3

In: -105.186+/-441.657  $\chi^2$ /NDF:0.0/1

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

All: 4.187+/-398.246  $\chi^2$ /NDF: 2.6/3

# asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 316.704+/-0.312  $\chi^2$ /NDF: 130838.0/1

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

Right Out: 452.137+/-0.651  $\chi^2$ /NDF: 578320.6/1

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

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

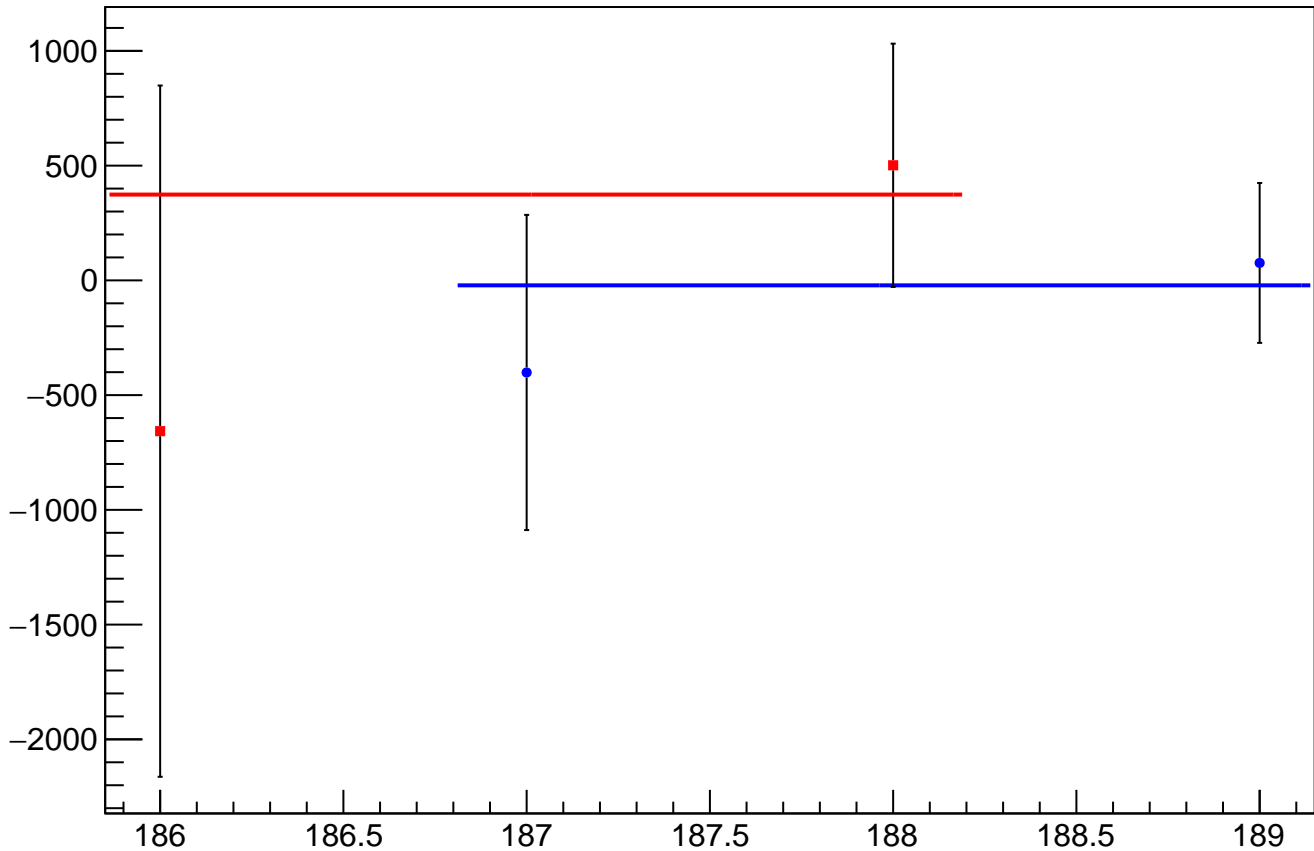
Right: 342.020+/-0.282  $\chi^2$ /NDF: 744312.0/3

In: 316.704+/-0.312  $\chi^2$ /NDF:130838.0/1

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

All: 342.020+/-0.282  $\chi^2$ /NDF: 744312.0/3

# dit\_asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In:  $-21.659 \pm 310.660$   $\chi^2/\text{NDF}: 0.4/1$

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

Right Out:  $373.871 \pm 499.906$   $\chi^2/\text{NDF}: 0.5/1$

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

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

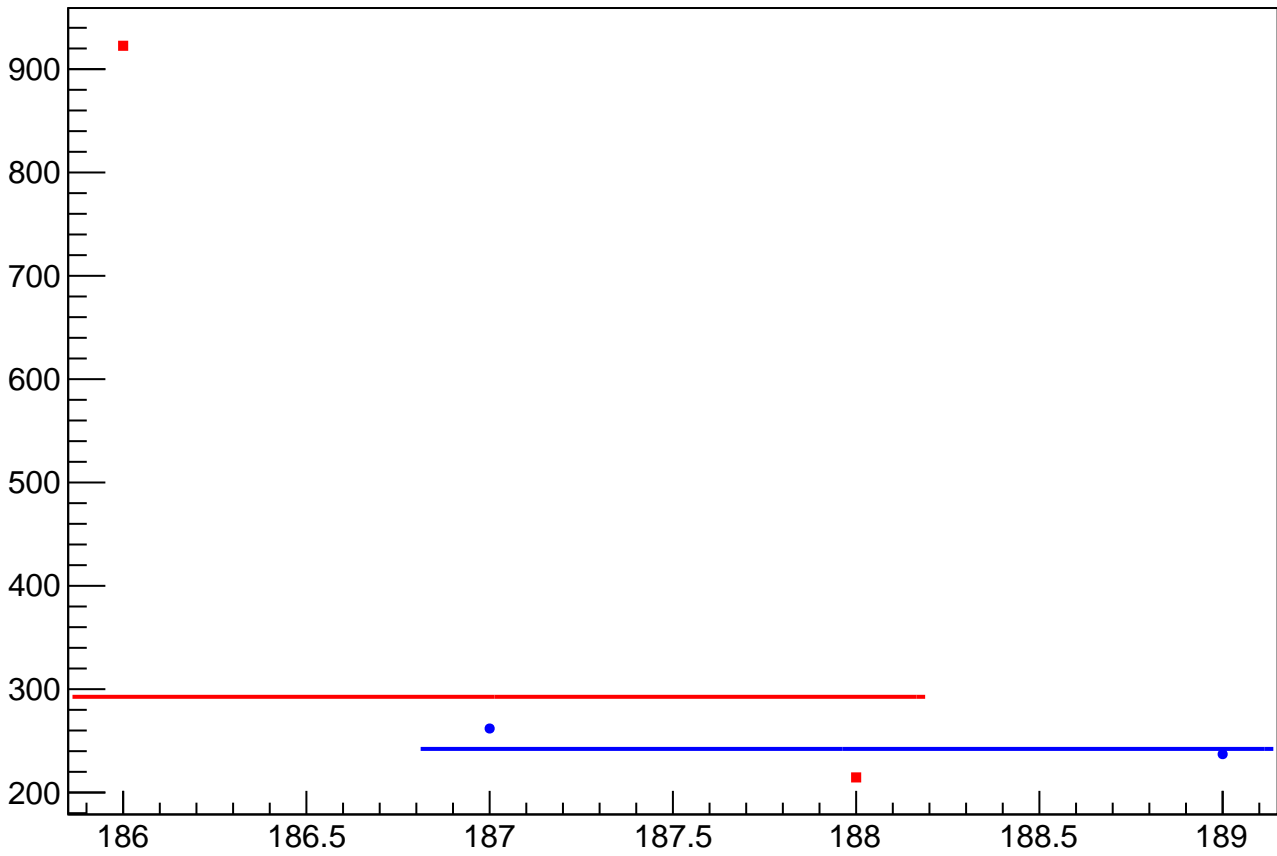
Right:  $88.533 \pm 263.861$   $\chi^2/\text{NDF}: 1.4/3$

In:  $-21.659 \pm 310.660$   $\chi^2/\text{NDF}: 0.4/1$

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

All:  $88.533 \pm 263.861$   $\chi^2/\text{NDF}: 1.4/3$

# dit\_asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 242.193+/-0.220  $\chi^2$ /NDF: 2078.2/1

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

Right Out: 292.609+/-0.353  $\chi^2$ /NDF: 393269.0/1

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

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

Right: 256.238+/-0.187  $\chi^2$ /NDF: 410022.0/3

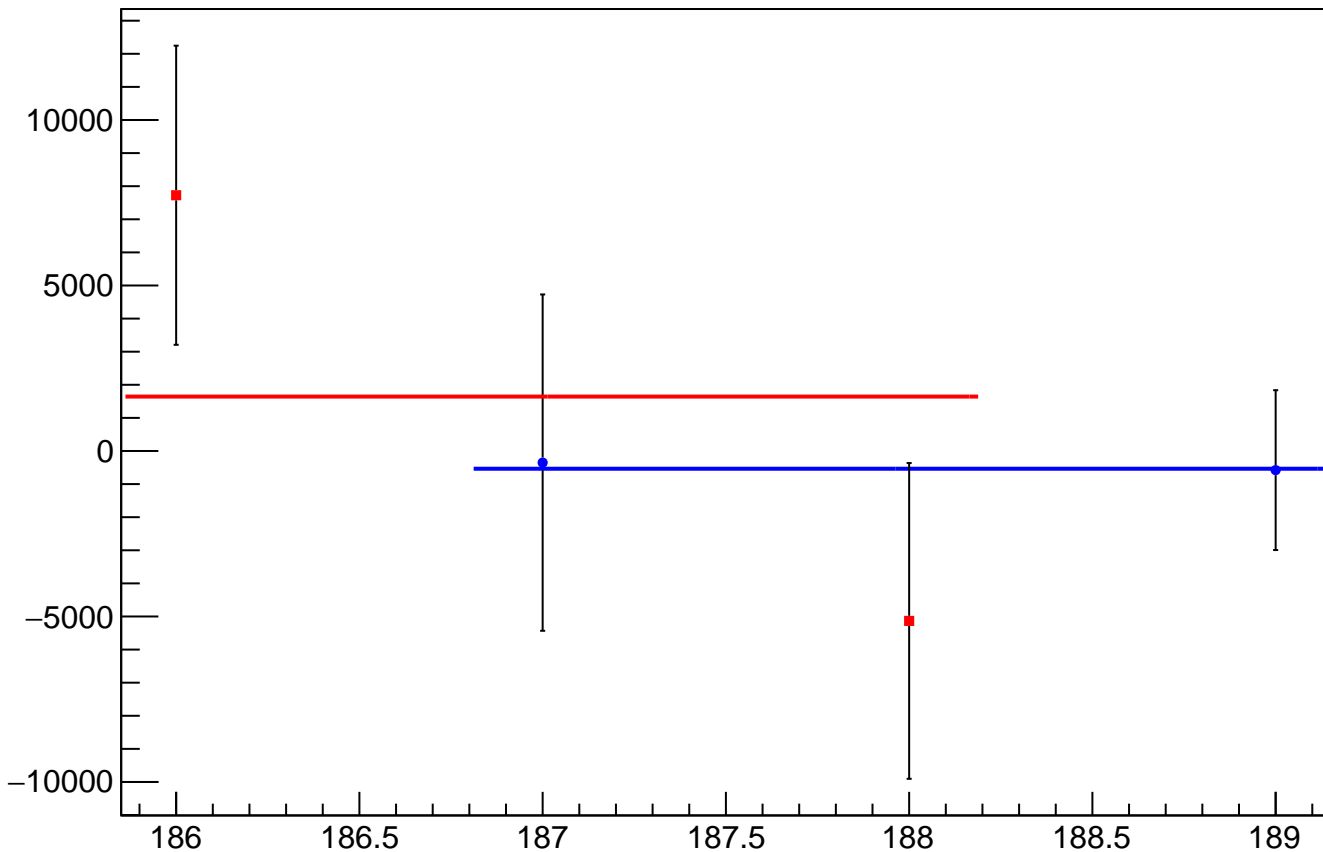
In: 242.193+/-0.220  $\chi^2$ /NDF:2078.2/1

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

All: 256.238+/-0.187  $\chi^2$ /NDF: 410022.0/3



asym\_sam\_26\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -536.147+/-2180.934  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: 1644.006+/-3280.544  $\chi^2/\text{NDF}$ : 3.8/1

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

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

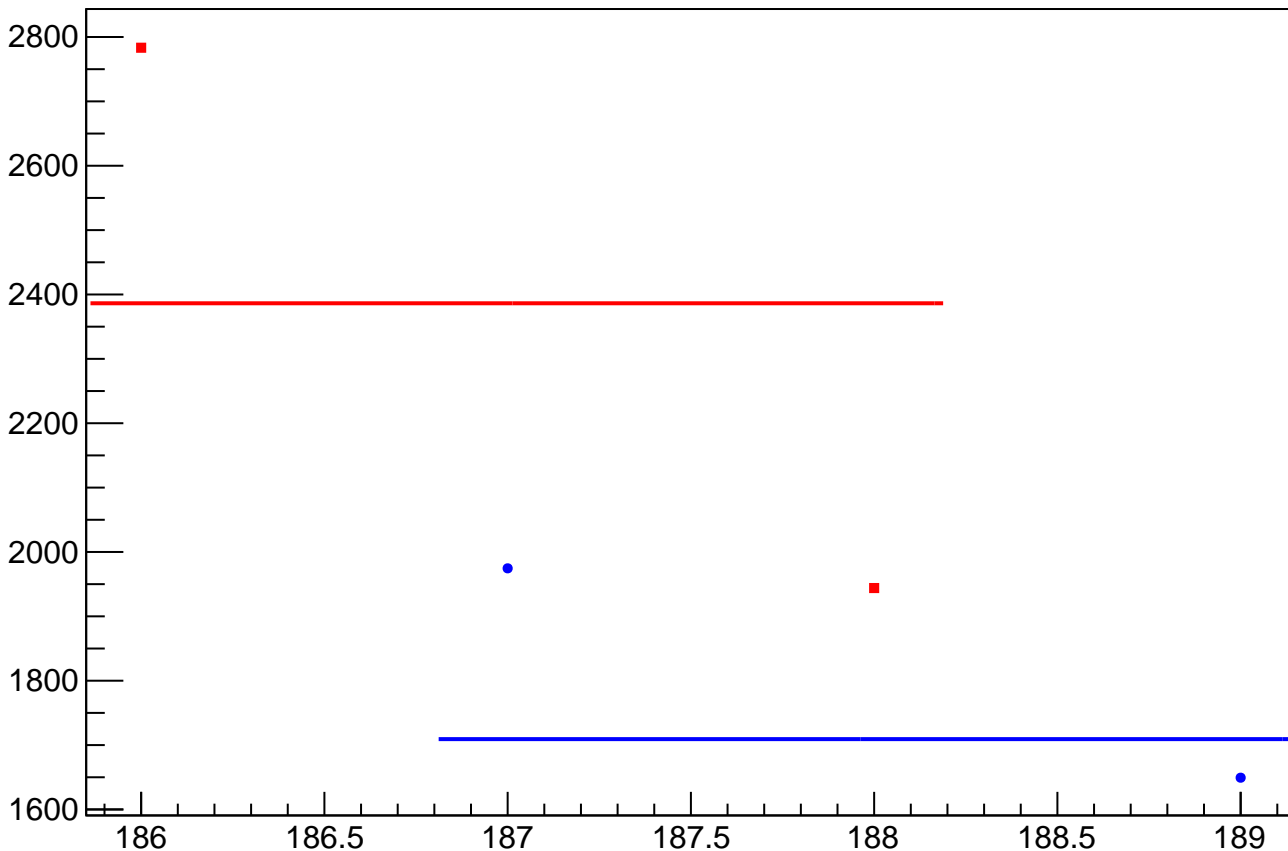
Right: 132.079+/-1816.203  $\chi^2/\text{NDF}$ : 4.1/3

In: -536.147+/-2180.934  $\chi^2/\text{NDF}$ :0.0/1

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

All: 132.079+/-1816.203  $\chi^2/\text{NDF}$ : 4.1/3

# asym\_sam\_26\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1709.257+/-1.542  $\chi^2$ /NDF: 6686.3/1

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

Right Out: 2386.333+/-2.320  $\chi^2$ /NDF: 32637.7/1

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

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

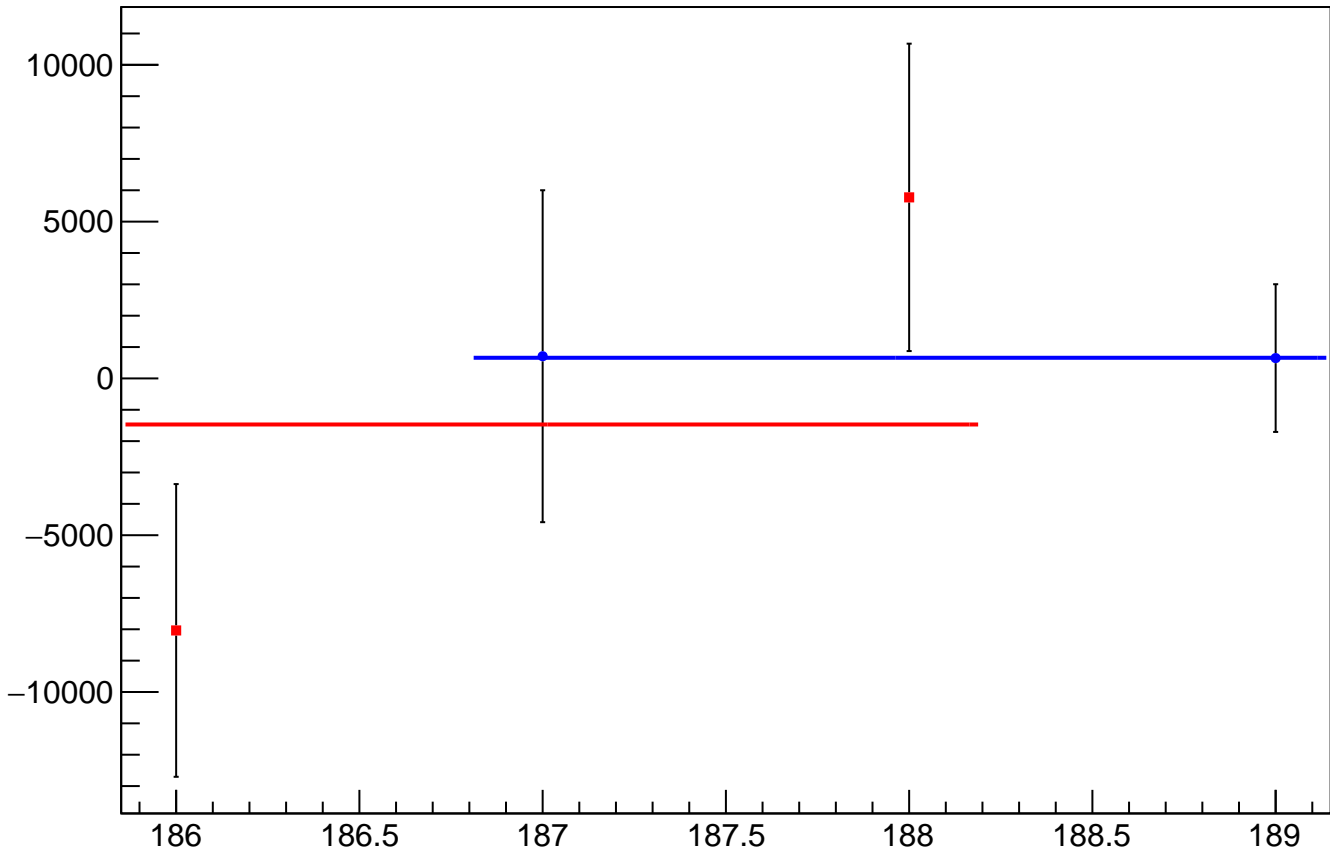
Right: 1916.784+/-1.284  $\chi^2$ /NDF: 98406.2/3

In: 1709.257+/-1.542  $\chi^2$ /NDF:6686.3/1

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

All: 1916.784+/-1.284  $\chi^2$ /NDF: 98406.2/3

# asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In: 658.374+/-2151.739  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: -1469.019+/-3380.025  $\chi^2/\text{NDF}$ : 4.2/1

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

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

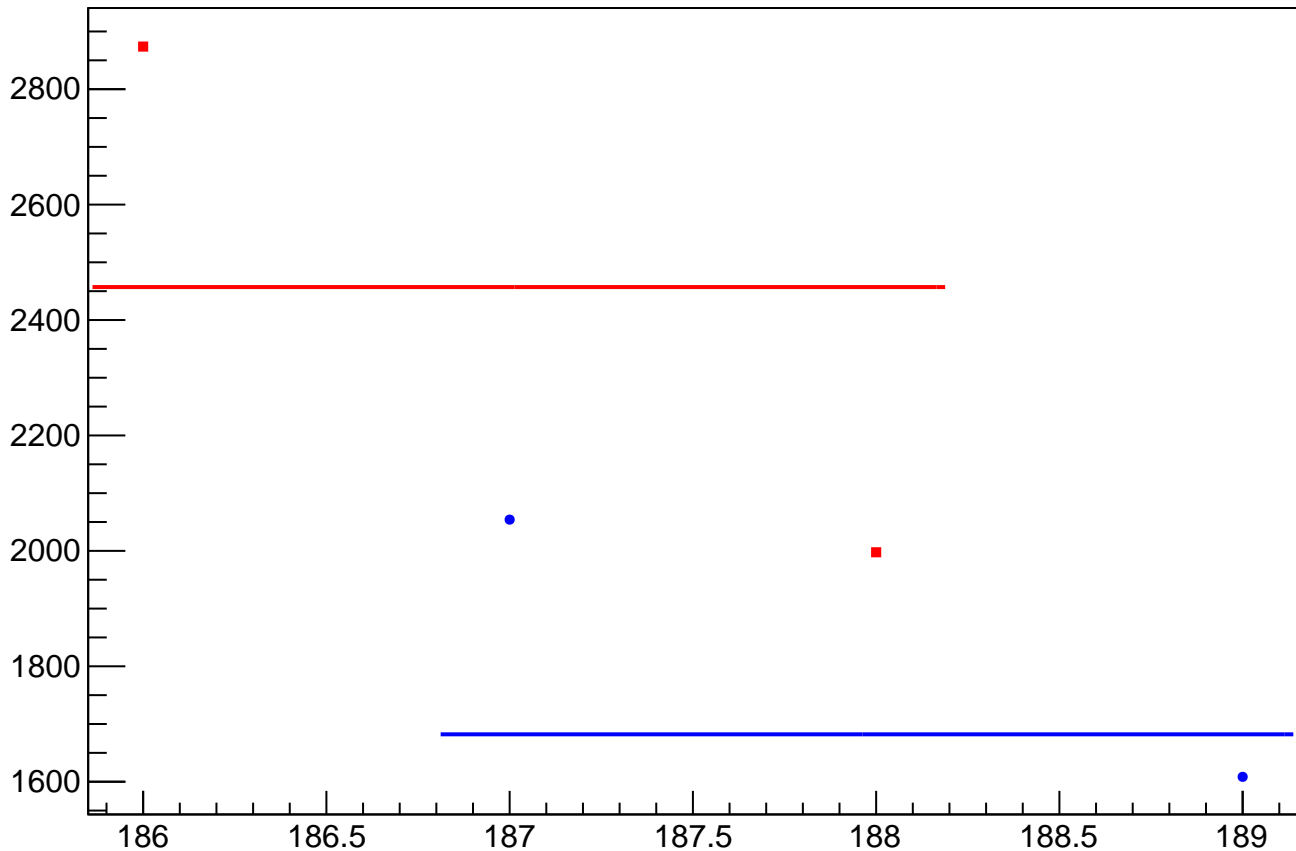
Right: 44.854+/-1815.141  $\chi^2/\text{NDF}$ : 4.4/3

In: 658.374+/-2151.739  $\chi^2/\text{NDF}$ :0.0/1

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

All: 44.854+/-1815.141  $\chi^2/\text{NDF}$ : 4.4/3

# asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 1682.123+/-1.522  $\chi^2$ /NDF: 11838.2/1

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

Right Out: 2457.111+/-2.390  $\chi^2$ /NDF: 33523.8/1

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

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

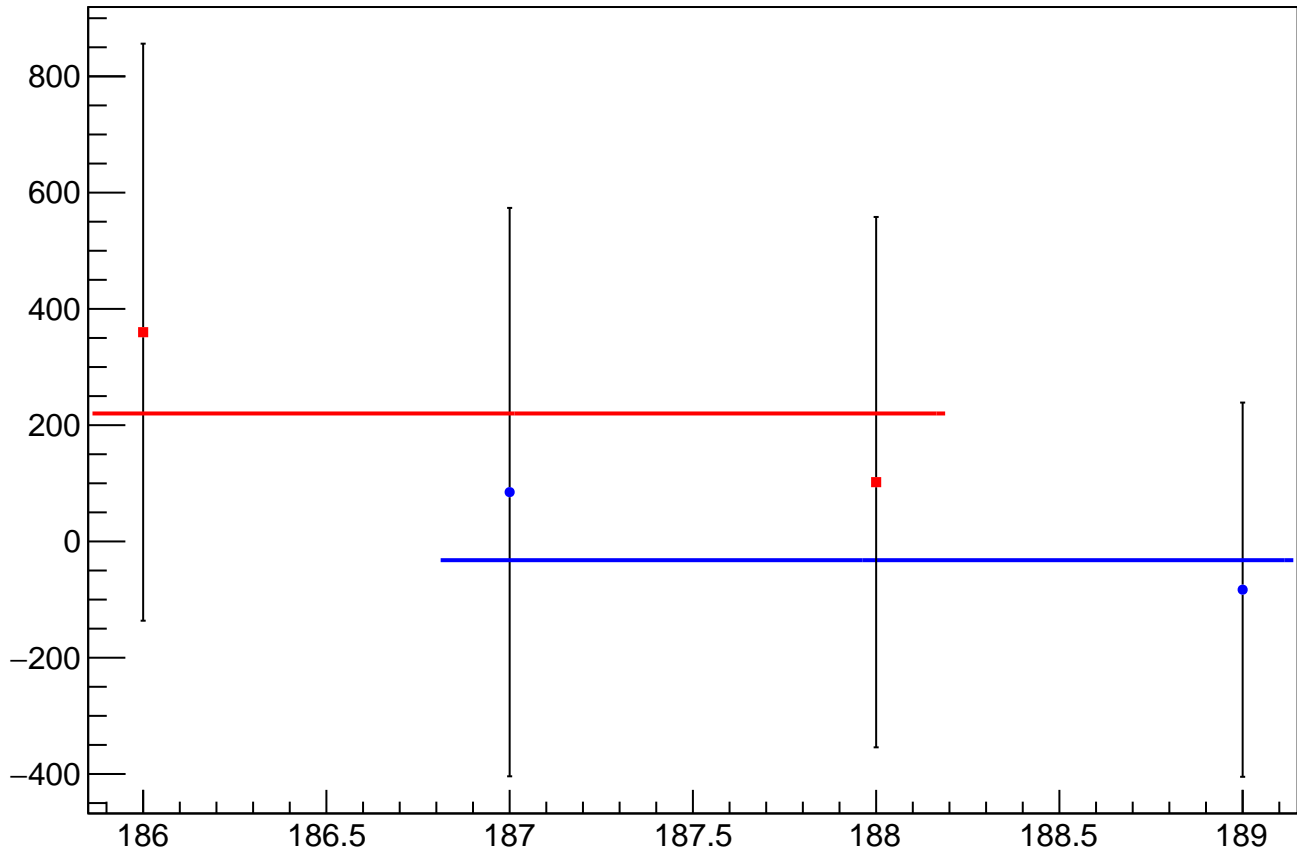
Right: 1905.622+/-1.283  $\chi^2$ /NDF: 120182.8/3

In: 1682.123+/-1.522  $\chi^2$ /NDF:11838.2/1

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

All: 1905.622+/-1.283  $\chi^2$ /NDF: 120182.8/3

# dit\_asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In:  $-32.230 \pm 268.816$   $\chi^2/\text{NDF}: 0.1/1$

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

Right Out:  $220.117 \pm 335.830$   $\chi^2/\text{NDF}: 0.1/1$

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

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

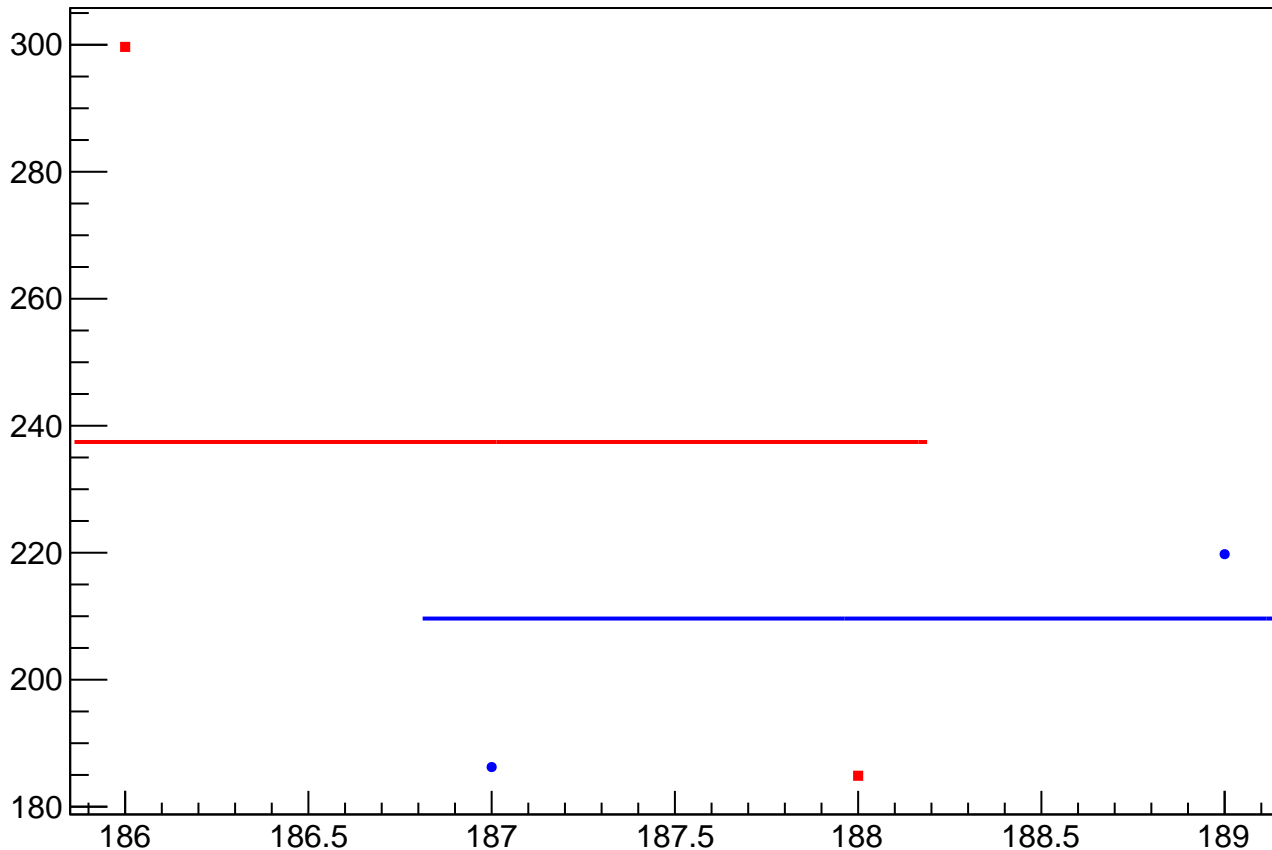
Right:  $66.315 \pm 209.864$   $\chi^2/\text{NDF}: 0.6/3$

In:  $-32.230 \pm 268.816$   $\chi^2/\text{NDF}: 0.1/1$

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

All:  $66.315 \pm 209.864$   $\chi^2/\text{NDF}: 0.6/3$

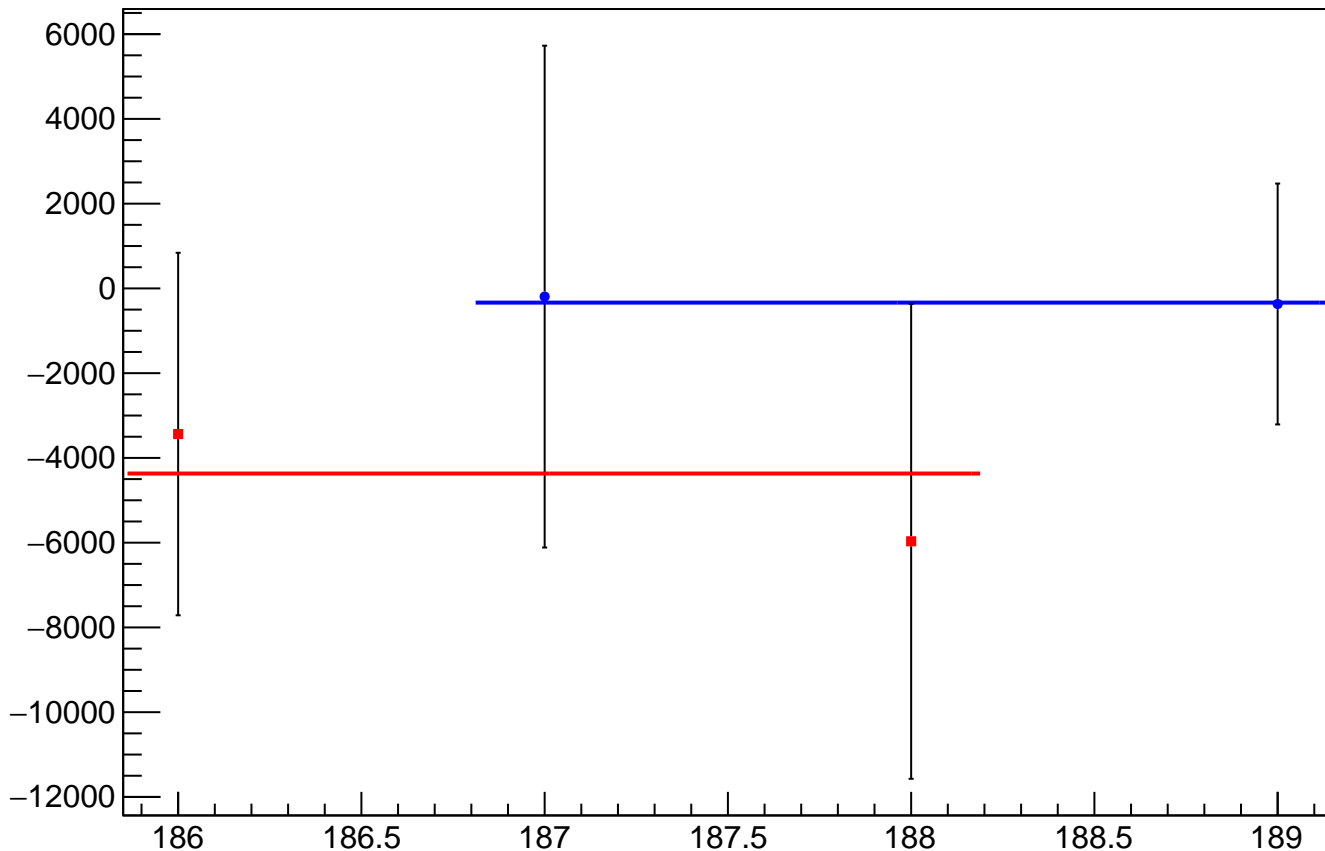
# dit\_asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 209.633+/-0.190  $\chi^2$ /NDF: 6562.9/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 237.441+/-0.237  $\chi^2$ /NDF: 58005.5/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 220.492+/-0.148  $\chi^2$ /NDF: 72926.6/3  
In: 209.633+/-0.190  $\chi^2$ /NDF:6562.9/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 220.492+/-0.148  $\chi^2$ /NDF: 72926.6/3

asym\_sam\_37\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -335.154+/-2562.279  $\chi^2/\text{NDF}$ : 0.0/1

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

Right Out: -4368.308+/-3400.043  $\chi^2/\text{NDF}$ : 0.1/1

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

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

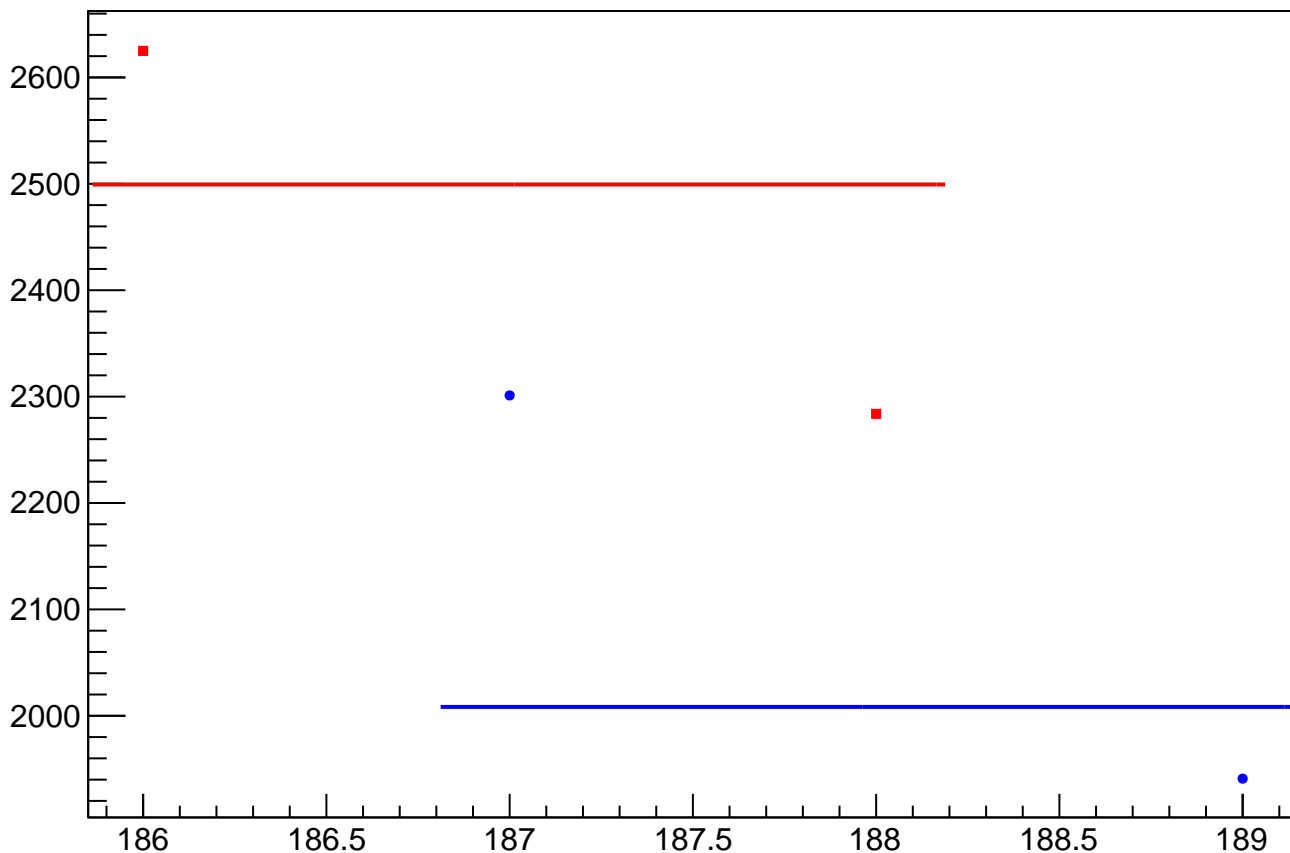
Right: -1796.006+/-2046.280  $\chi^2/\text{NDF}$ : 1.0/3

In: -335.154+/-2562.279  $\chi^2/\text{NDF}$ :0.0/1

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

All: -1796.006+/-2046.280  $\chi^2/\text{NDF}$ : 1.0/3

# asym\_sam\_37\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 2008.360+/-1.812  $\chi^2$ /NDF: 6015.3/1

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

Right Out: 2499.394+/-2.404  $\chi^2$ /NDF: 4682.6/1

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

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

Right: 2186.218+/-1.447  $\chi^2$ /NDF: 37302.8/3

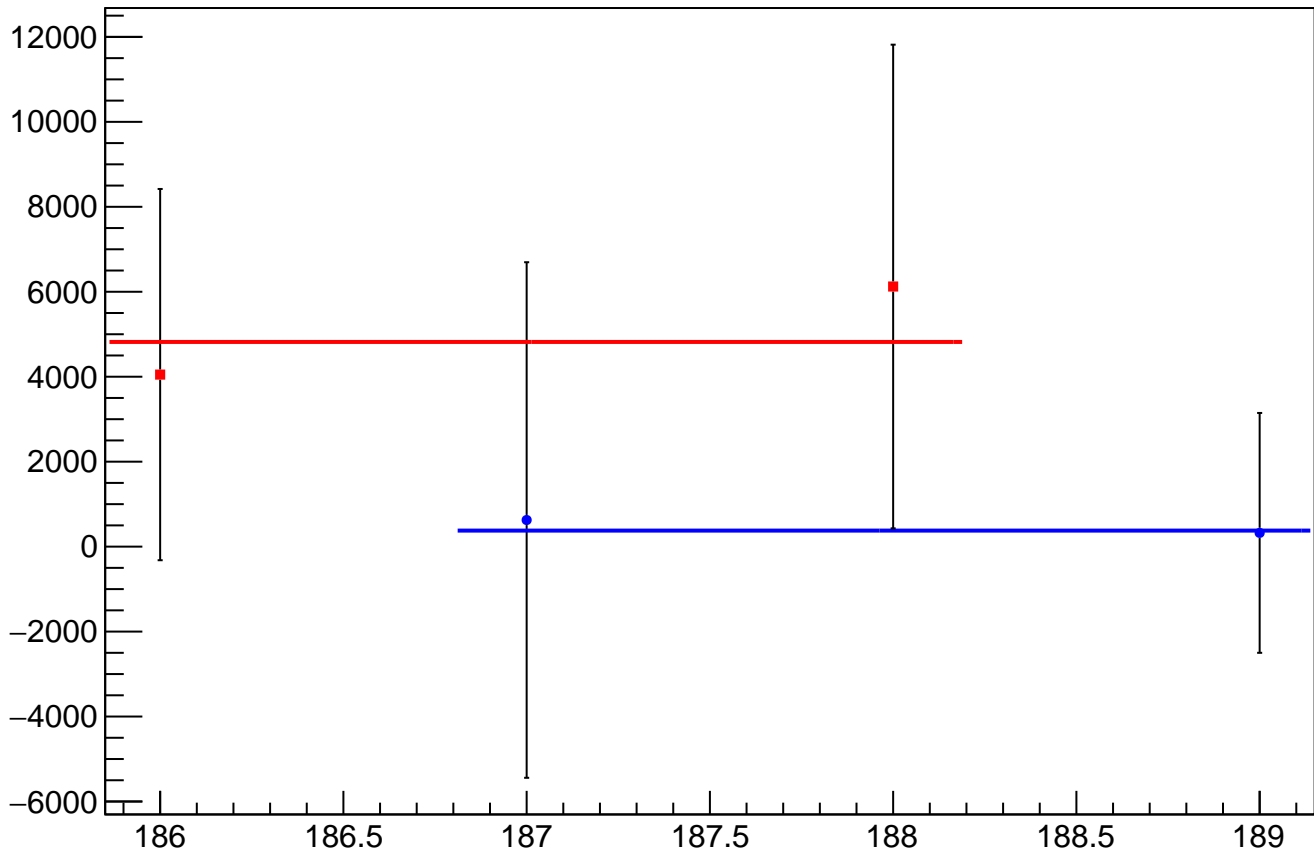
In: 2008.360+/-1.812  $\chi^2$ /NDF:6015.3/1

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

All: 2186.218+/-1.447  $\chi^2$ /NDF: 37302.8/3



# asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In: 377.408+/-2559.931  $\chi^2$ /NDF: 0.0/1

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

Right Out: 4818.699+/-3466.572  $\chi^2$ /NDF: 0.1/1

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

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

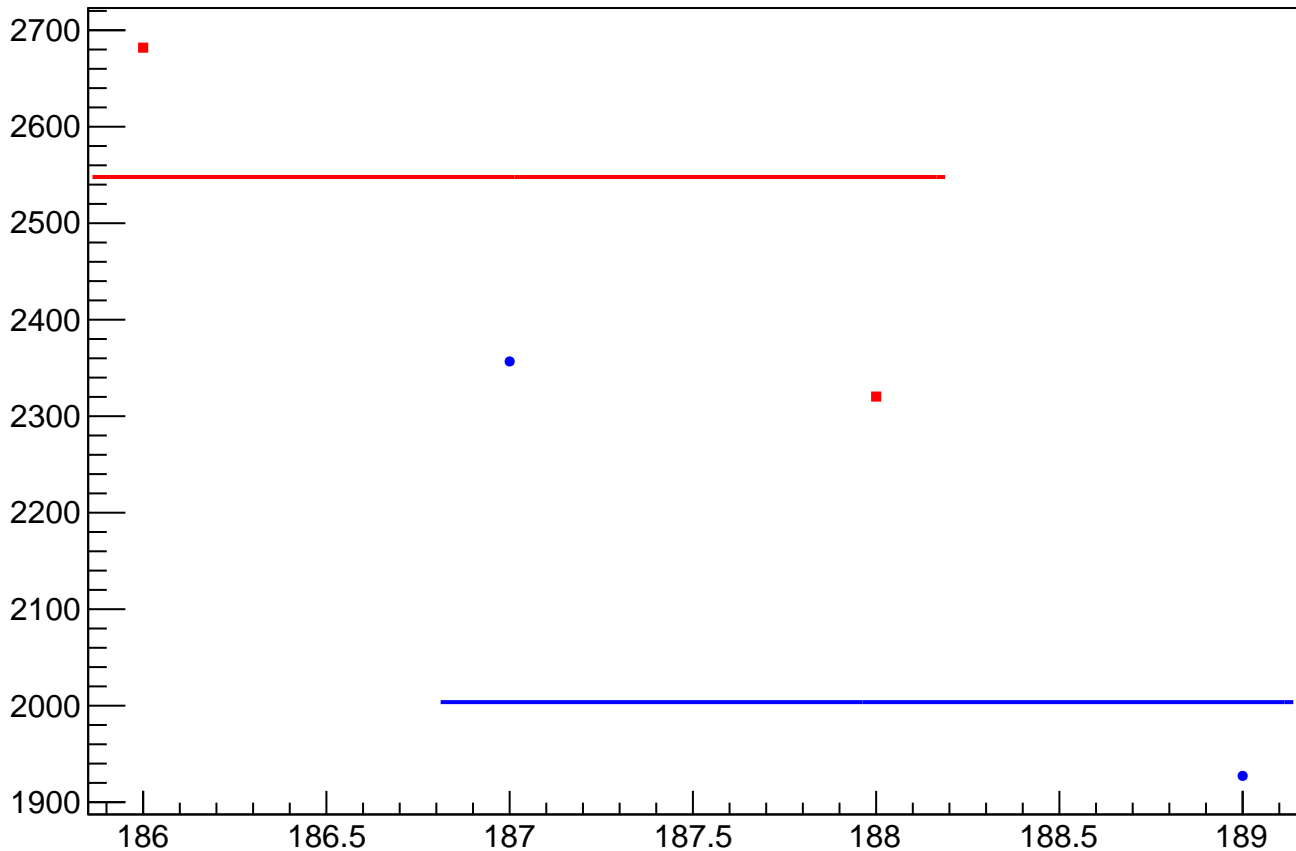
Right: 1944.683+/-2059.293  $\chi^2$ /NDF: 1.1/3

In: 377.408+/-2559.931  $\chi^2$ /NDF:0.0/1

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

All: 1944.683+/-2059.293  $\chi^2$ /NDF: 1.1/3

# asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 2003.685+/-1.810  $\chi^2$ /NDF: 8233.9/1

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

Right Out: 2547.884+/-2.451  $\chi^2$ /NDF: 5076.5/1

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

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

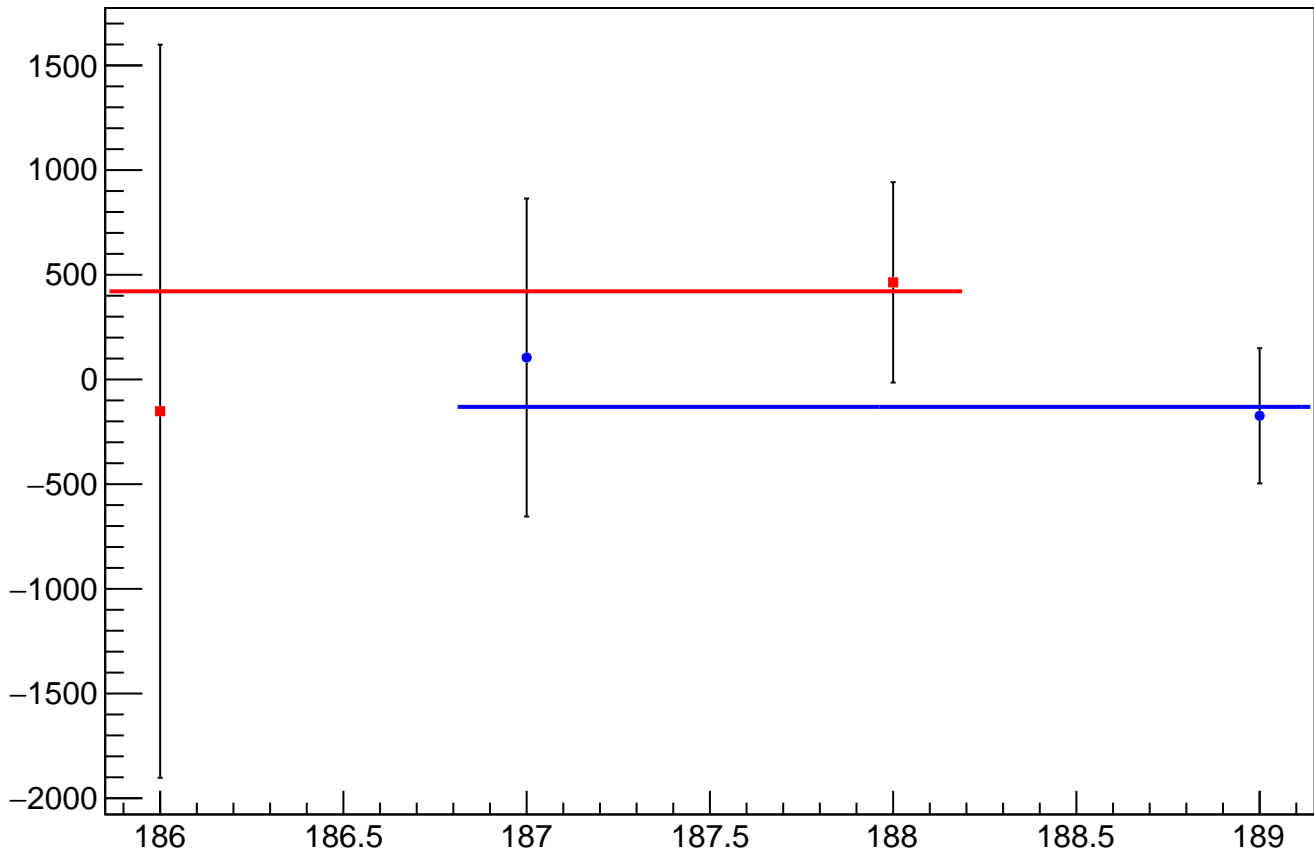
Right: 2195.726+/-1.456  $\chi^2$ /NDF: 45205.6/3

In: 2003.685+/-1.810  $\chi^2$ /NDF:8233.9/1

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

All: 2195.726+/-1.456  $\chi^2$ /NDF: 45205.6/3

# dit\_asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In: -130.832+/-297.178  $\chi^2$ /NDF: 0.1/1

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

Right Out: 421.073+/-461.621  $\chi^2$ /NDF: 0.1/1

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

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

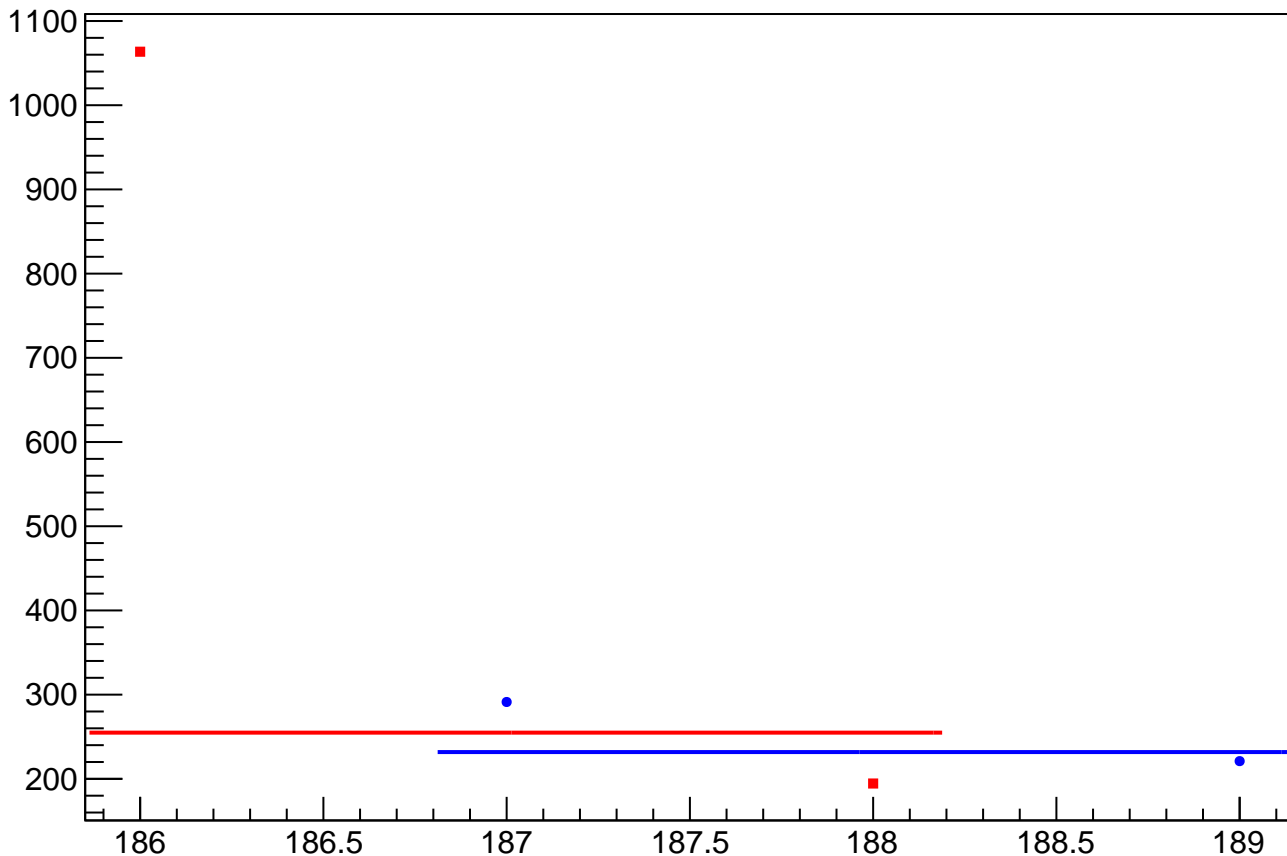
Right: 30.880+/-249.876  $\chi^2$ /NDF: 1.2/3

In: -130.832+/-297.178  $\chi^2$ /NDF:0.1/1

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

All: 30.880+/-249.876  $\chi^2$ /NDF: 1.2/3

# dit\_asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 231.799+/-0.210  $\chi^2$ /NDF: 14489.5/1

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

Right Out: 254.879+/-0.326  $\chi^2$ /NDF: 458570.4/1

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

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

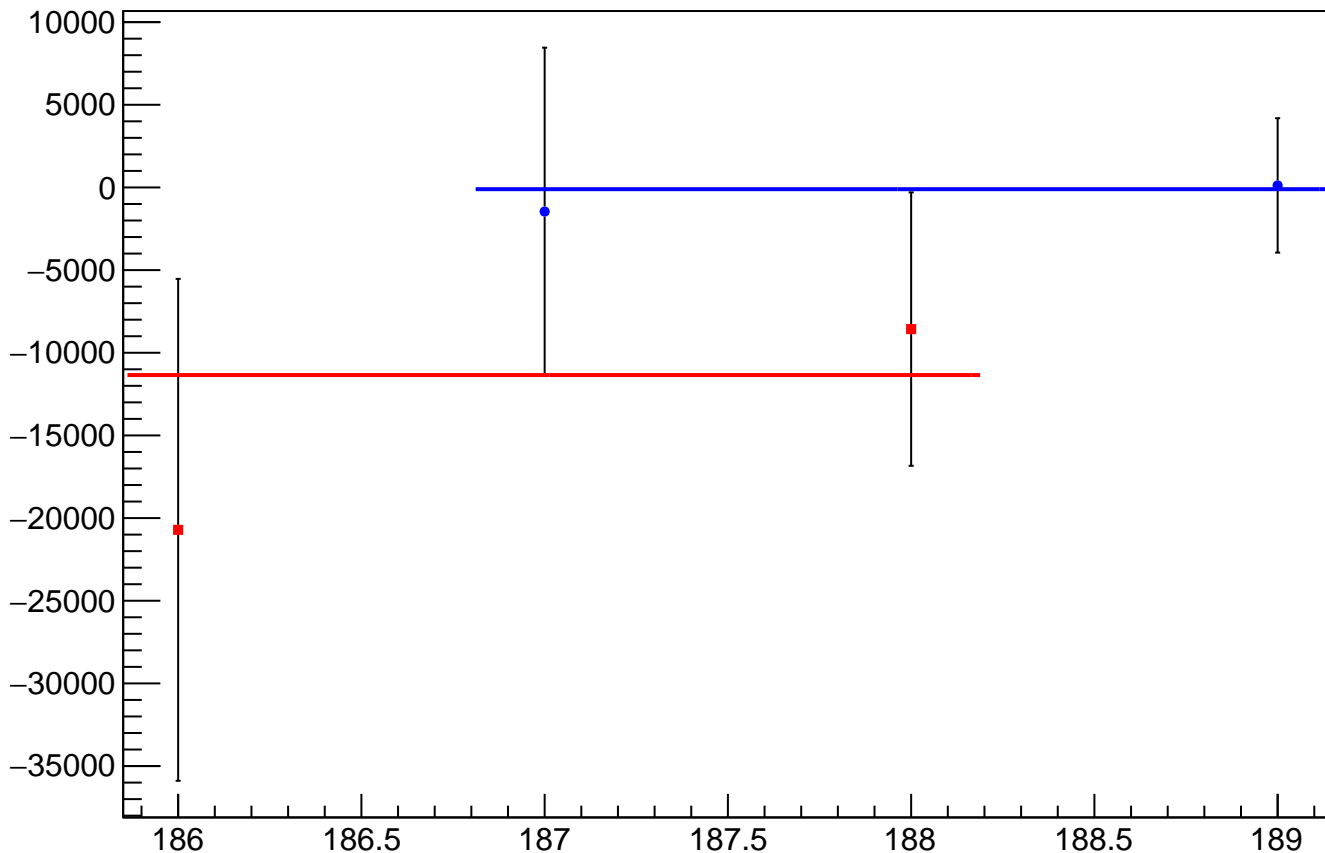
Right: 238.562+/-0.177  $\chi^2$ /NDF: 476594.2/3

In: 231.799+/-0.210  $\chi^2$ /NDF:14489.5/1

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

All: 238.562+/-0.177  $\chi^2$ /NDF: 476594.2/3

asym\_sam\_48\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -104.626+/-3760.799  $\chi^2$ /NDF: 0.0/1

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

Right Out: -11347.796+/-7261.908  $\chi^2$ /NDF: 0.5/1

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

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

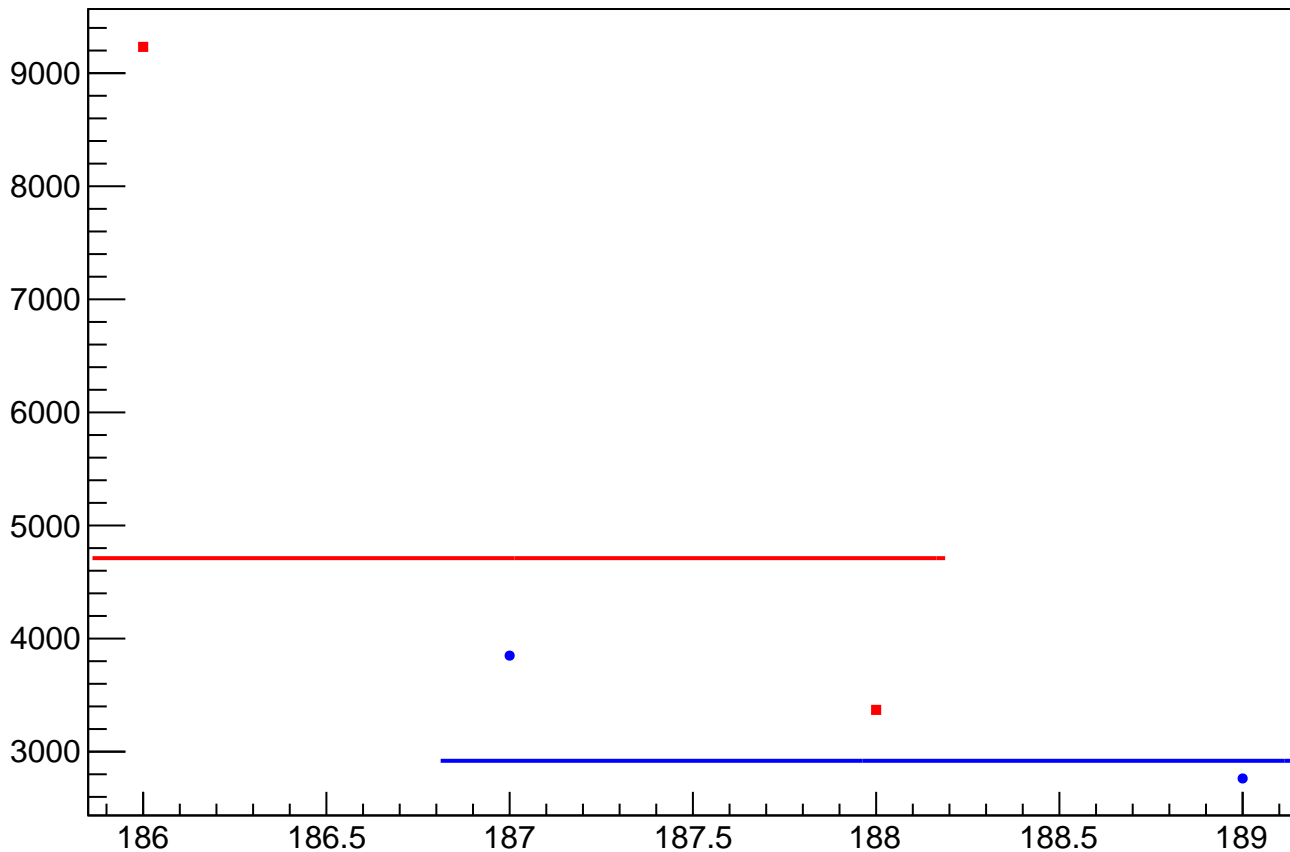
Right: -2482.341+/-3339.537  $\chi^2$ /NDF: 2.4/3

In: -104.626+/-3760.799  $\chi^2$ /NDF:0.0/1

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

All: -2482.341+/-3339.537  $\chi^2$ /NDF: 2.4/3

# asym\_sam\_48\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 2919.238+/-2.659  $\chi^2$ /NDF: 20558.4/1

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

Right Out: 4711.210+/-5.135  $\chi^2$ /NDF: 230072.8/1

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

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

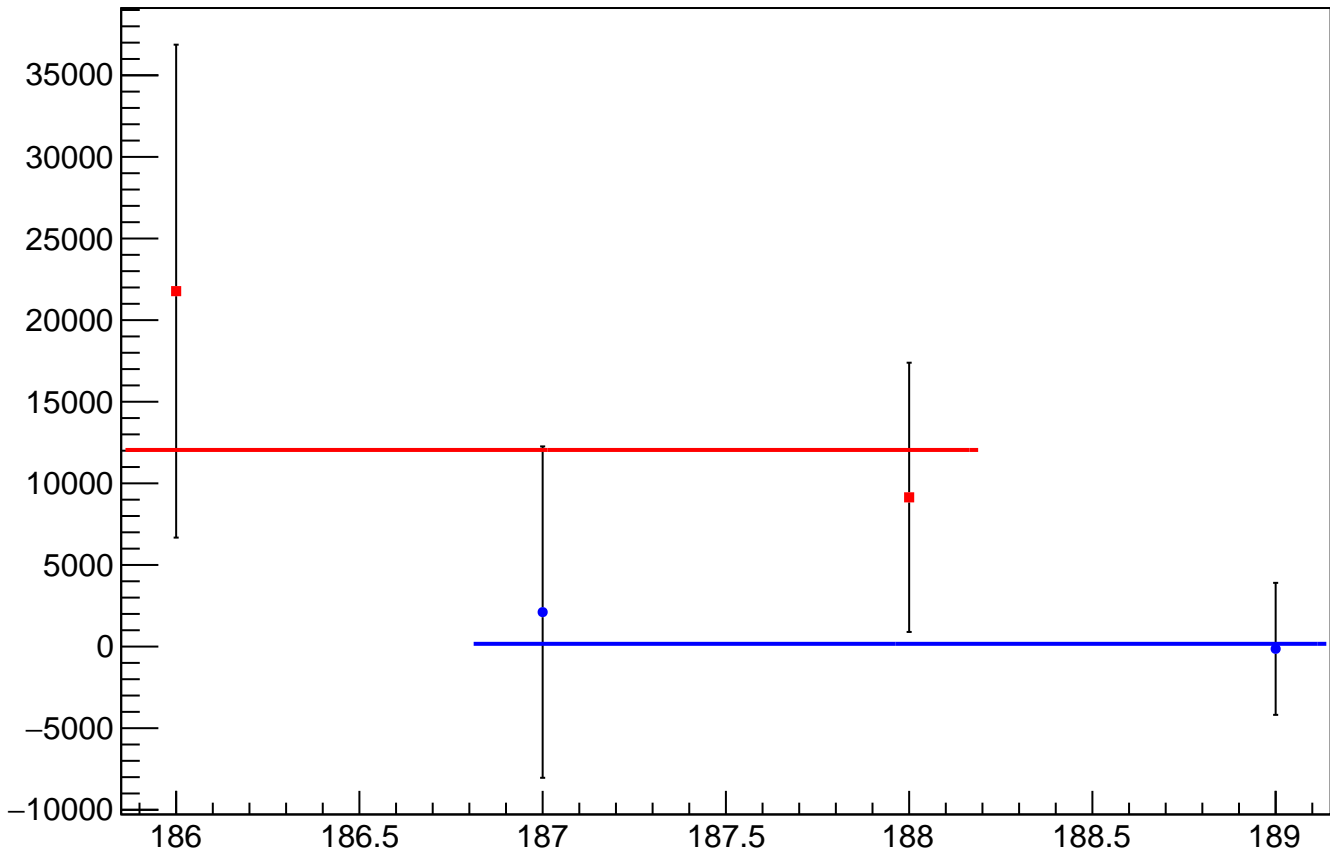
Right: 3298.206+/-2.361  $\chi^2$ /NDF: 346660.3/3

In: 2919.238+/-2.659  $\chi^2$ /NDF:20558.4/1

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

All: 3298.206+/-2.361  $\chi^2$ /NDF: 346660.3/3

# asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In: 168.338 +/- 3756.585  $\chi^2/\text{NDF}: 0.0/1$

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

Right Out: 12046.074 +/- 7238.328  $\chi^2/\text{NDF}: 0.5/1$

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

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

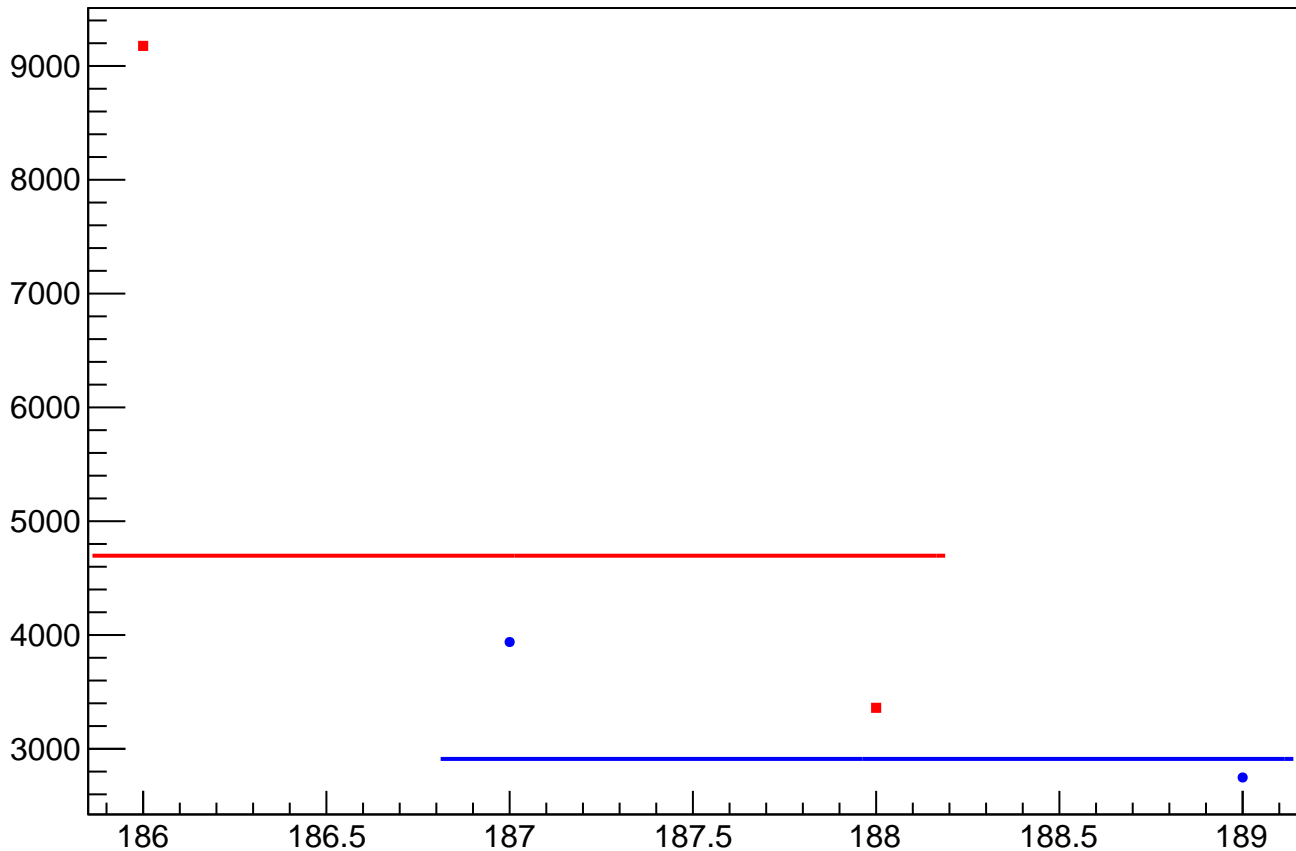
Right: 2688.704 +/- 3334.289  $\chi^2/\text{NDF}: 2.7/3$

In: 168.338 +/- 3756.585  $\chi^2/\text{NDF}: 0.0/1$

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

All: 2688.704 +/- 3334.289  $\chi^2/\text{NDF}: 2.7/3$

# asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 2911.294+/-2.656  $\chi^2$ /NDF: 23729.3/1

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

Right Out: 4696.943+/-5.118  $\chi^2$ /NDF: 228539.1/1

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

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

Right: 3290.195+/-2.358  $\chi^2$ /NDF: 348156.8/3

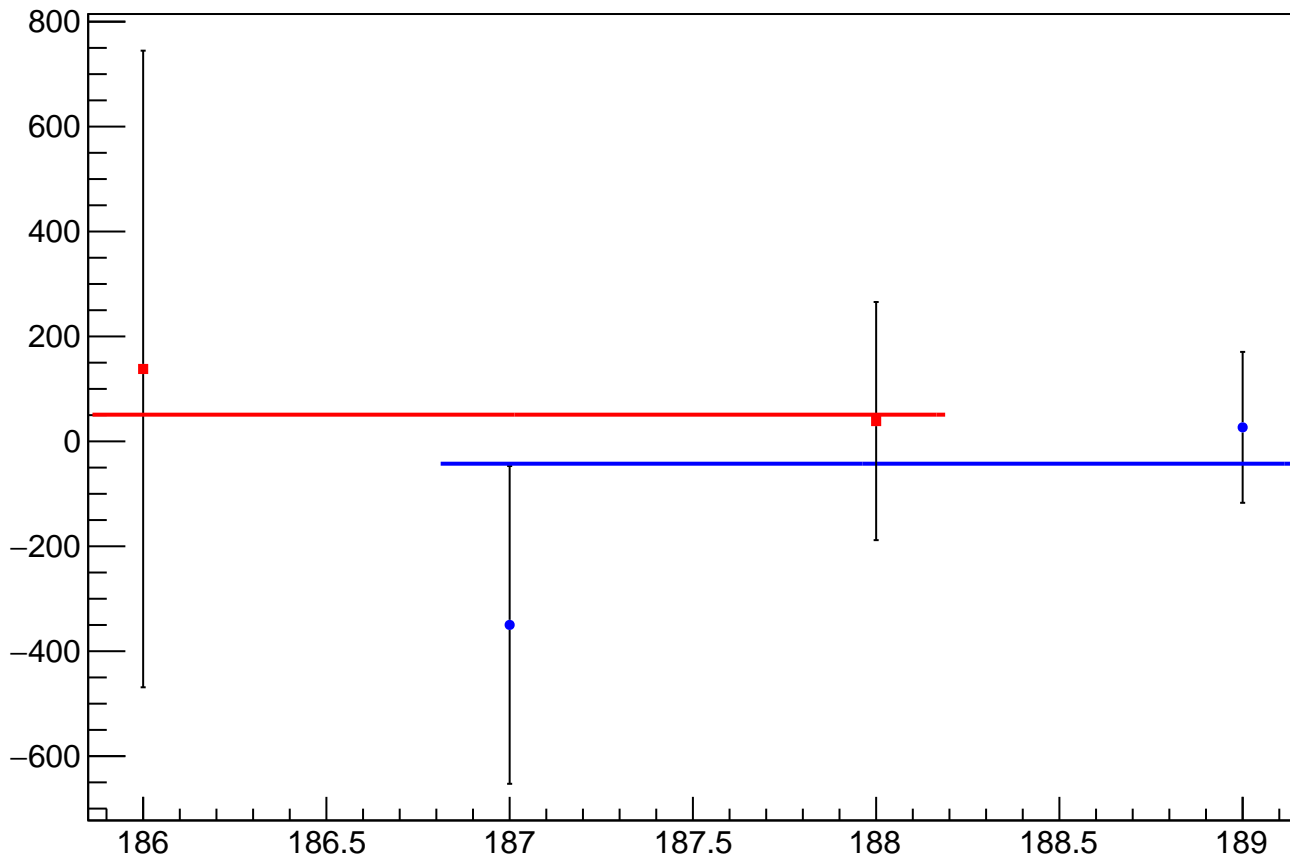
In: 2911.294+/-2.656  $\chi^2$ /NDF:23729.3/1

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

All: 3290.195+/-2.358  $\chi^2$ /NDF: 348156.8/3



# dit\_asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In:  $-42.580 \pm 129.922$   $\chi^2/\text{NDF}: 1.3/1$

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

Right Out:  $50.885 \pm 212.581$   $\chi^2/\text{NDF}: 0.0/1$

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

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

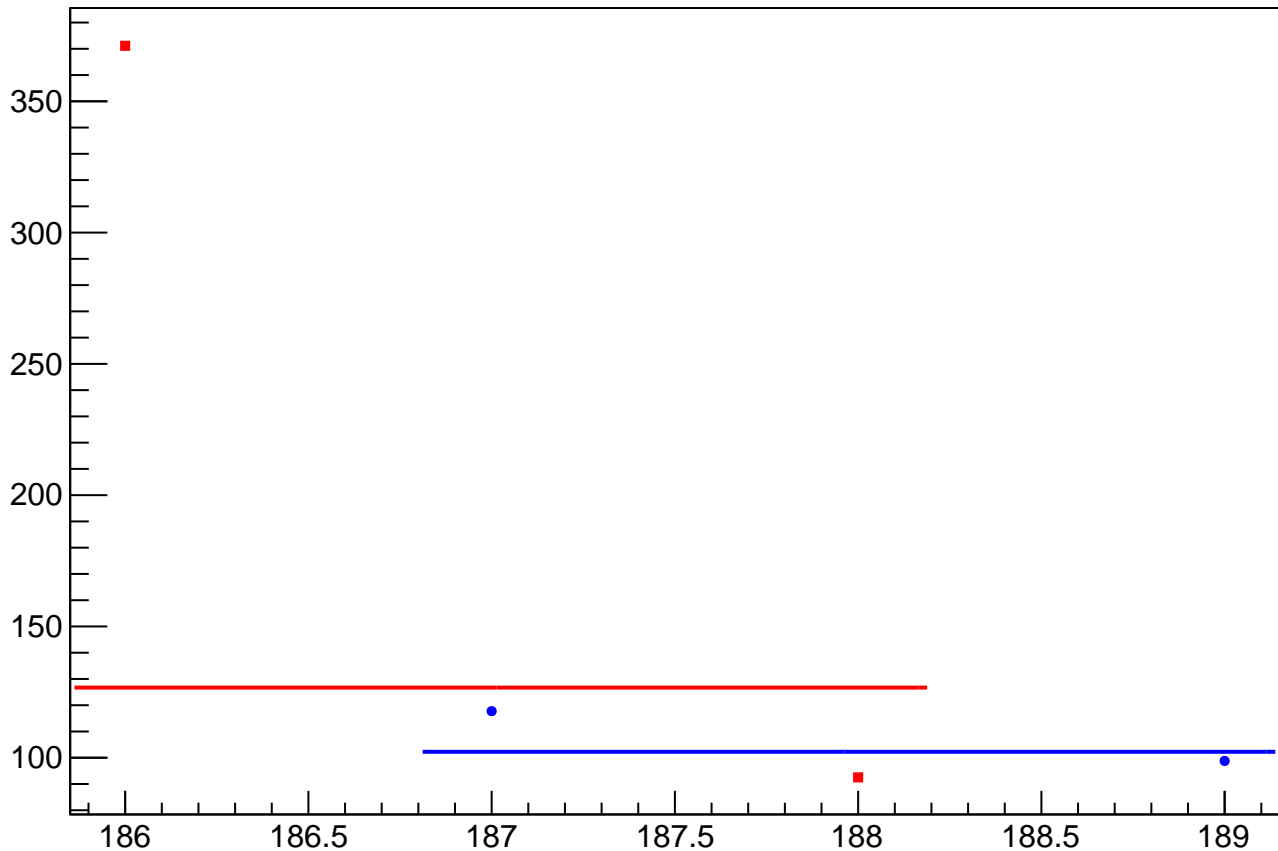
Right:  $-17.163 \pm 110.857$   $\chi^2/\text{NDF}: 1.4/3$

In:  $-42.580 \pm 129.922$   $\chi^2/\text{NDF}: 1.3/1$

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

All:  $-17.163 \pm 110.857$   $\chi^2/\text{NDF}: 1.4/3$

# dit\_asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 102.267+/-0.092  $\chi^2$ /NDF: 6401.3/1

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

Right Out: 126.723+/-0.150  $\chi^2$ /NDF: 369965.8/1

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

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

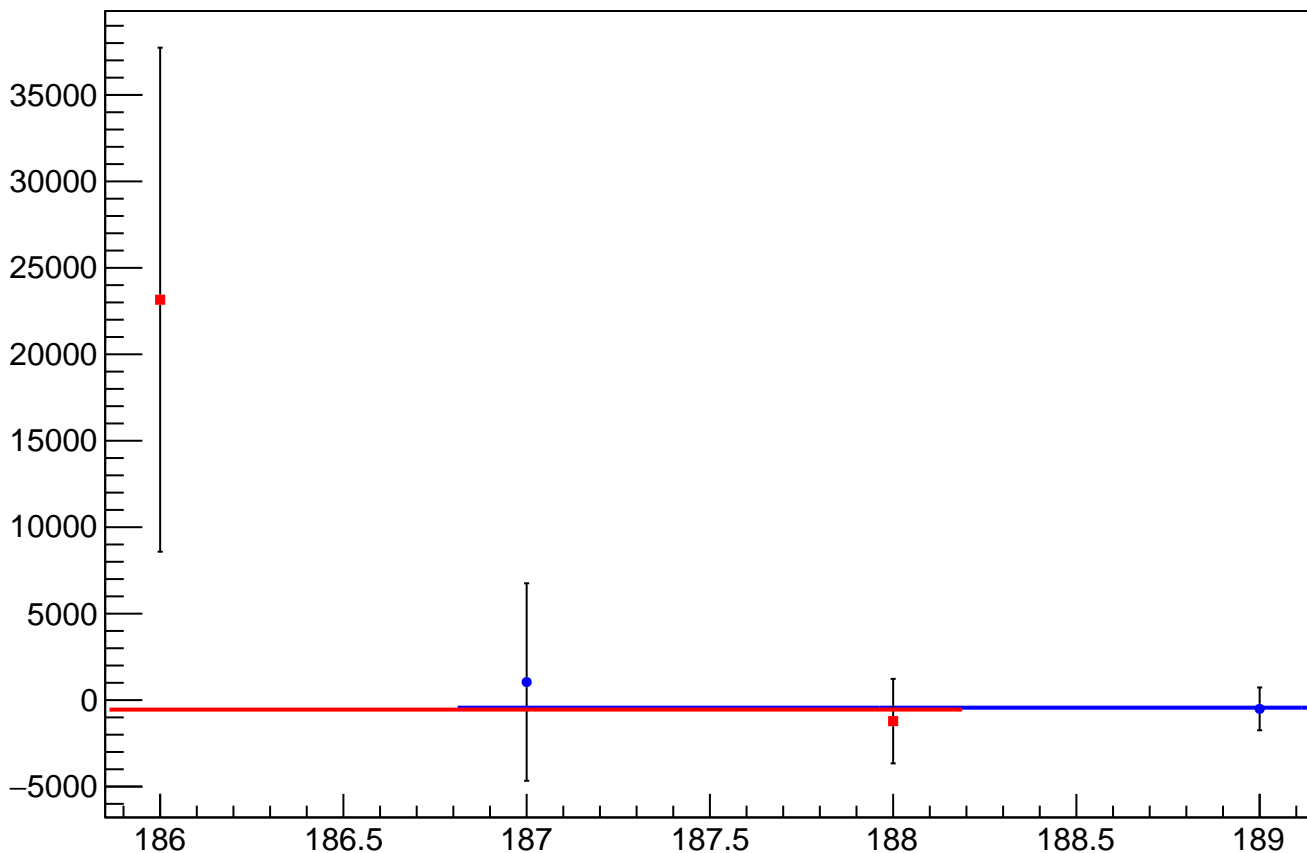
Right: 108.917+/-0.078  $\chi^2$ /NDF: 395638.8/3

In: 102.267+/-0.092  $\chi^2$ /NDF:6401.3/1

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

All: 108.917+/-0.078  $\chi^2$ /NDF: 395638.8/3

# asym\_sam\_15\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -437.622+/-1210.109  $\chi^2/\text{NDF}$ : 0.1/1

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

Right Out: -549.578+/-2409.843  $\chi^2/\text{NDF}$ : 2.7/1

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

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

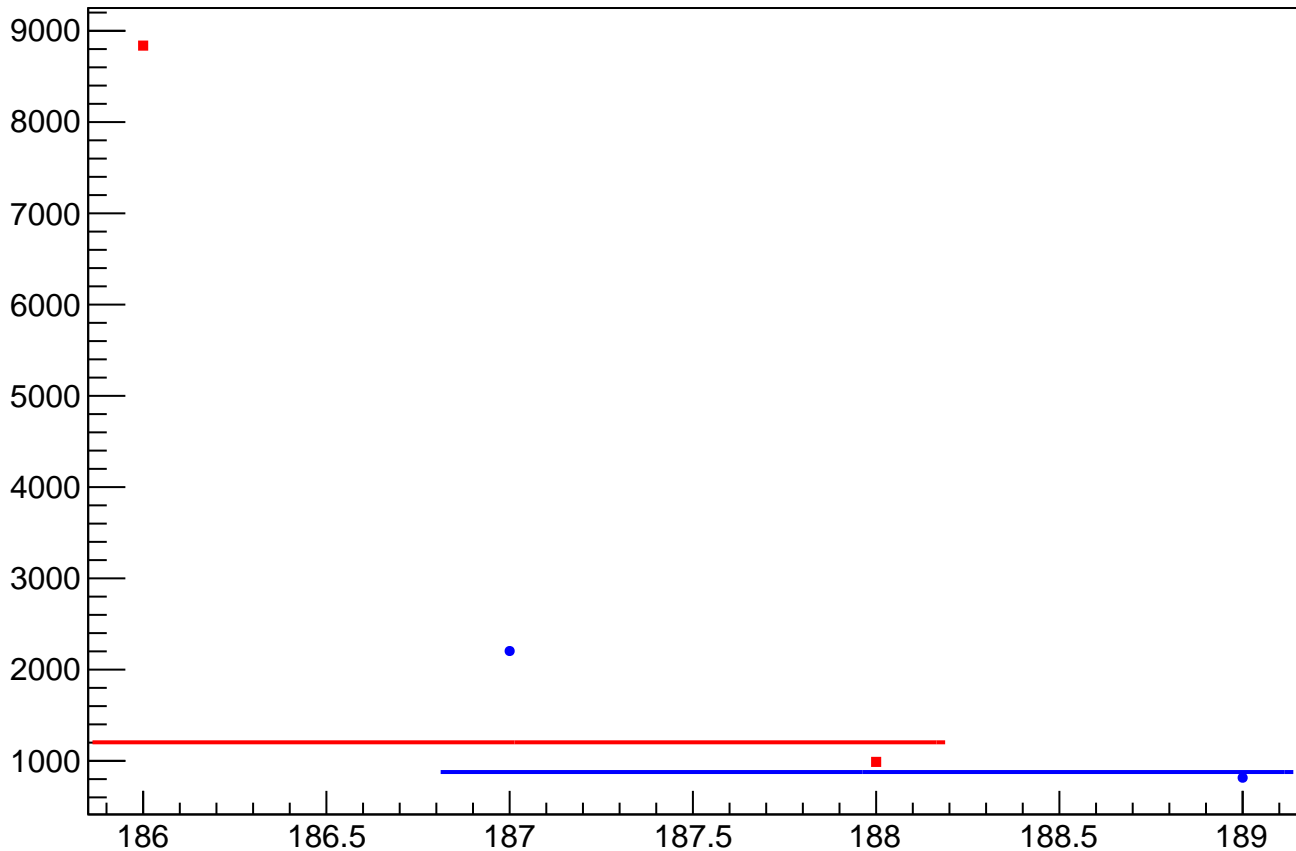
Right: -460.168+/-1081.422  $\chi^2/\text{NDF}$ : 2.8/3

In: -437.622+/-1210.109  $\chi^2/\text{NDF}$ : 0.1/1

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

All: -460.168+/-1081.422  $\chi^2/\text{NDF}$ : 2.8/3

# asym\_sam\_15\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 877.769+/-0.856  $\chi^2$ /NDF: 112910.0/1

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

Right Out: 1203.375+/-1.704  $\chi^2$ /NDF: 564107.1/1

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

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

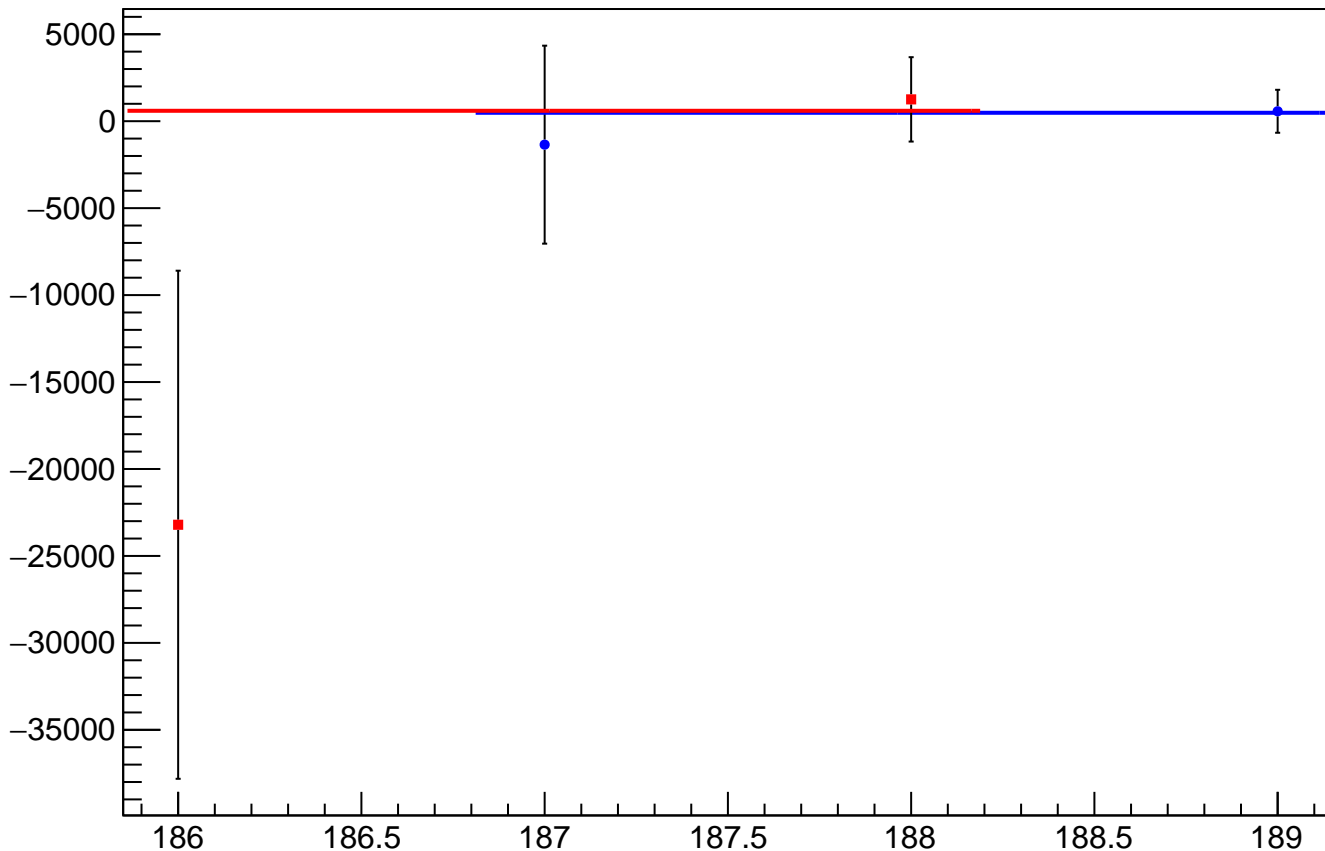
Right: 943.339+/-0.765  $\chi^2$ /NDF: 706176.5/3

In: 877.769+/-0.856  $\chi^2$ /NDF:112910.0/1

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

All: 943.339+/-0.765  $\chi^2$ /NDF: 706176.5/3

# asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In: 483.710+/-1207.161  $\chi^2$ /NDF: 0.1/1

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

Right Out: 598.245+/-2393.222  $\chi^2$ /NDF: 2.7/1

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

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

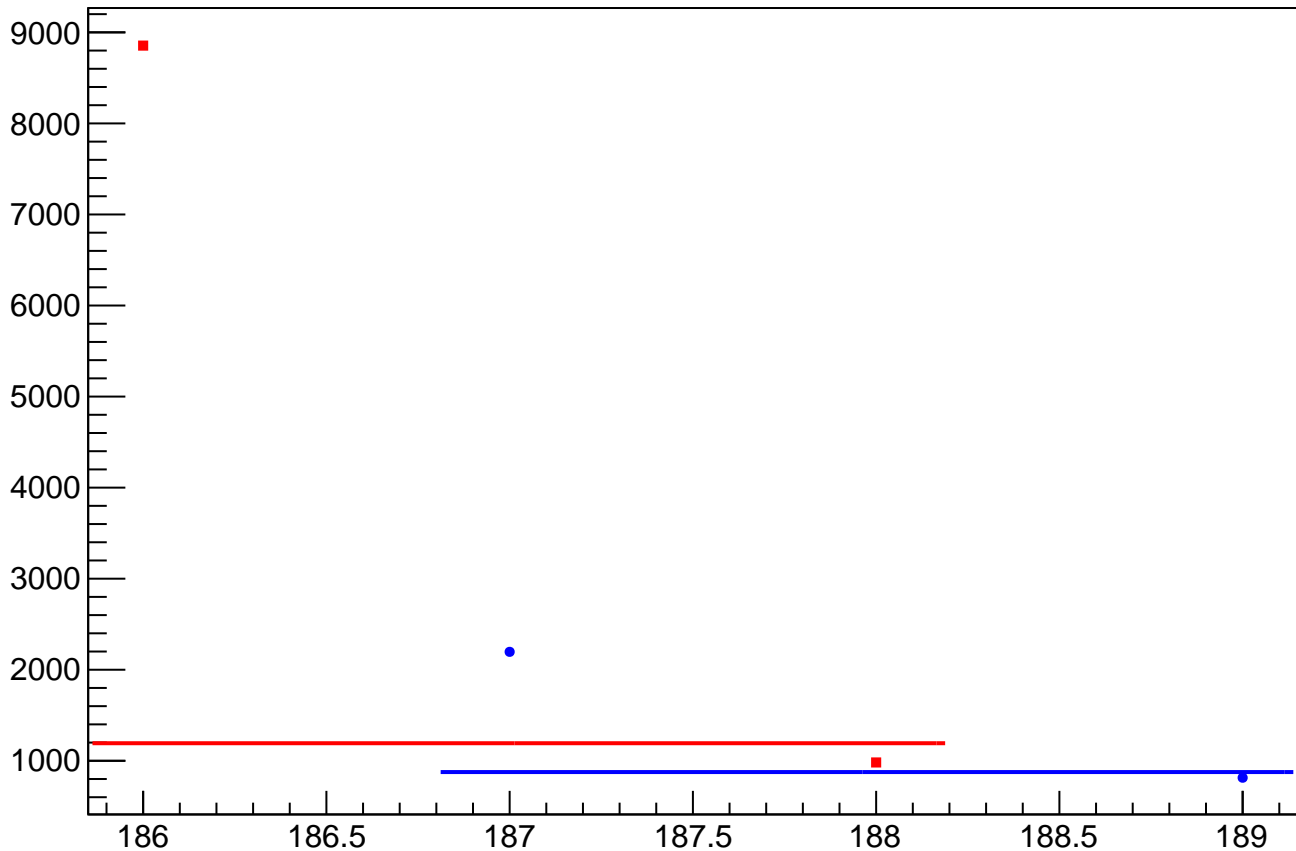
Right: 506.940+/-1077.811  $\chi^2$ /NDF: 2.8/3

In: 483.710+/-1207.161  $\chi^2$ /NDF:0.1/1

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

All: 506.940+/-1077.811  $\chi^2$ /NDF: 2.8/3

# asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 876.288+/-0.854  $\chi^2$ /NDF: 112659.5/1

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

Right Out: 1192.973+/-1.692  $\chi^2$ /NDF: 565241.3/1

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

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

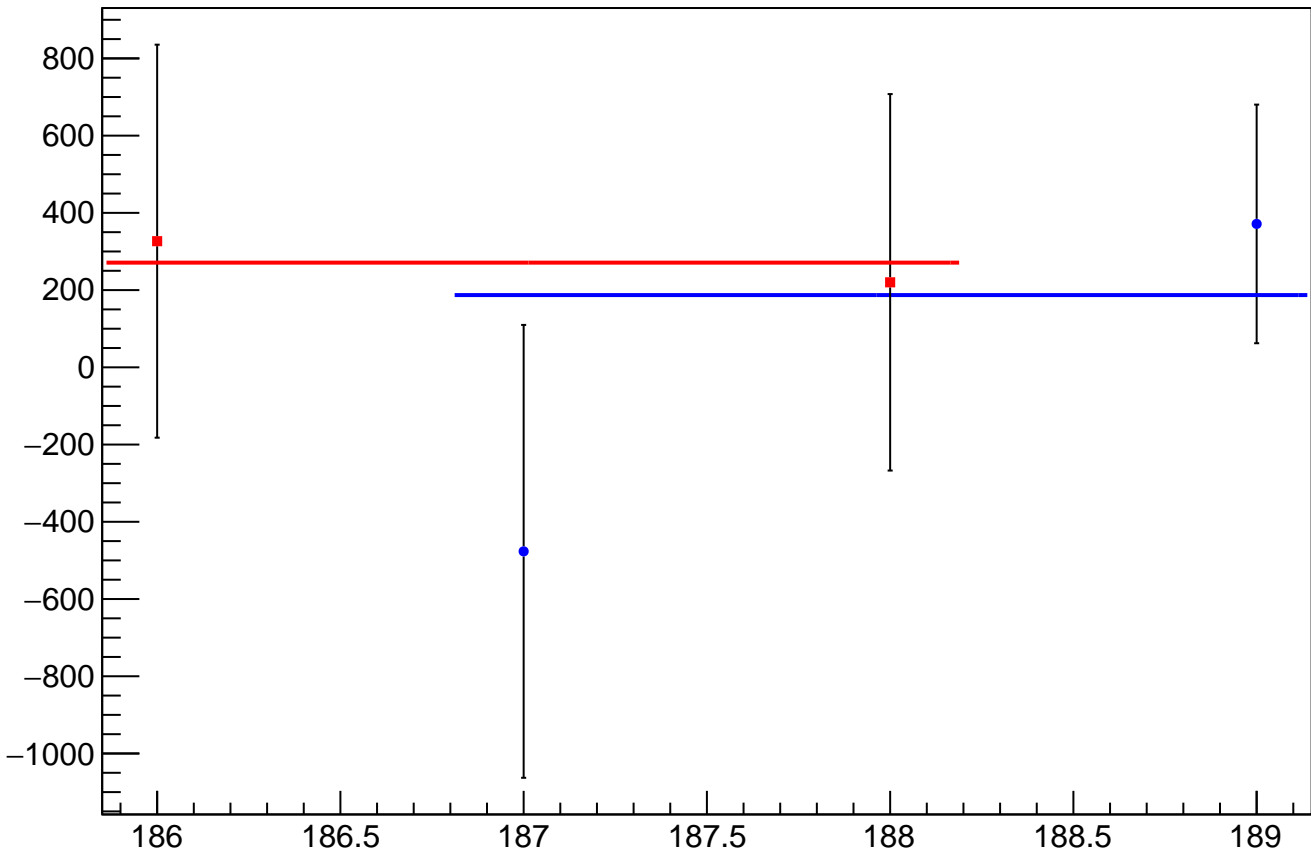
Right: 940.519+/-0.762  $\chi^2$ /NDF: 705818.1/3

In: 876.288+/-0.854  $\chi^2$ /NDF:112659.5/1

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

All: 940.519+/-0.762  $\chi^2$ /NDF: 705818.1/3

# dit\_asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In:  $187.114 \pm 273.353$   $\chi^2/\text{NDF}: 1.6/1$

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

Right Out:  $271.125 \pm 352.023$   $\chi^2/\text{NDF}: 0.0/1$

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

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

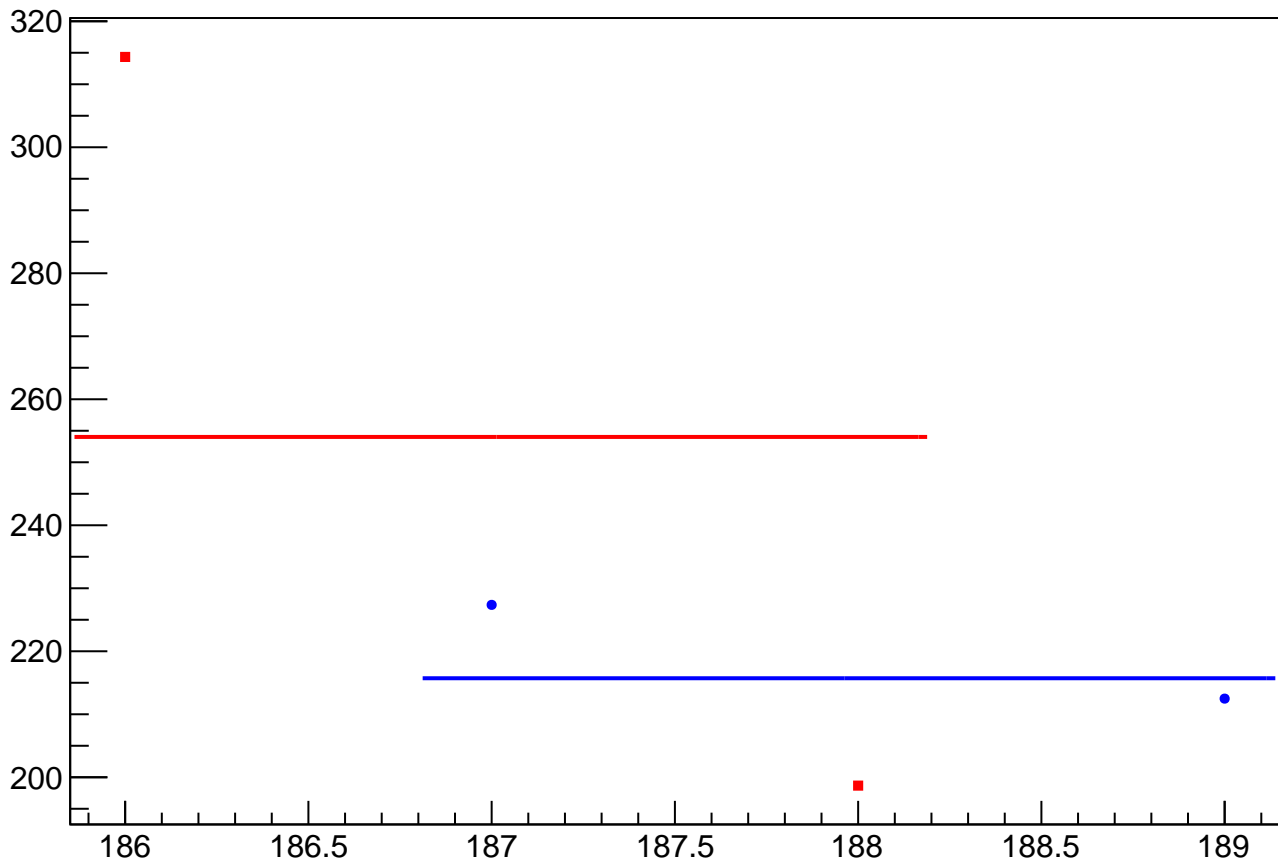
Right:  $218.716 \pm 215.903$   $\chi^2/\text{NDF}: 1.7/3$

In:  $187.114 \pm 273.353$   $\chi^2/\text{NDF}: 1.6/1$

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

All:  $218.716 \pm 215.903$   $\chi^2/\text{NDF}: 1.7/3$

# dit\_asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 215.717 $\pm$ 0.193  $\chi^2$ /NDF: 1008.0/1

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

Right Out: 254.020 $\pm$ 0.249  $\chi^2$ /NDF: 53878.7/1

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

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

Right: 230.125 $\pm$ 0.153  $\chi^2$ /NDF: 69658.3/3

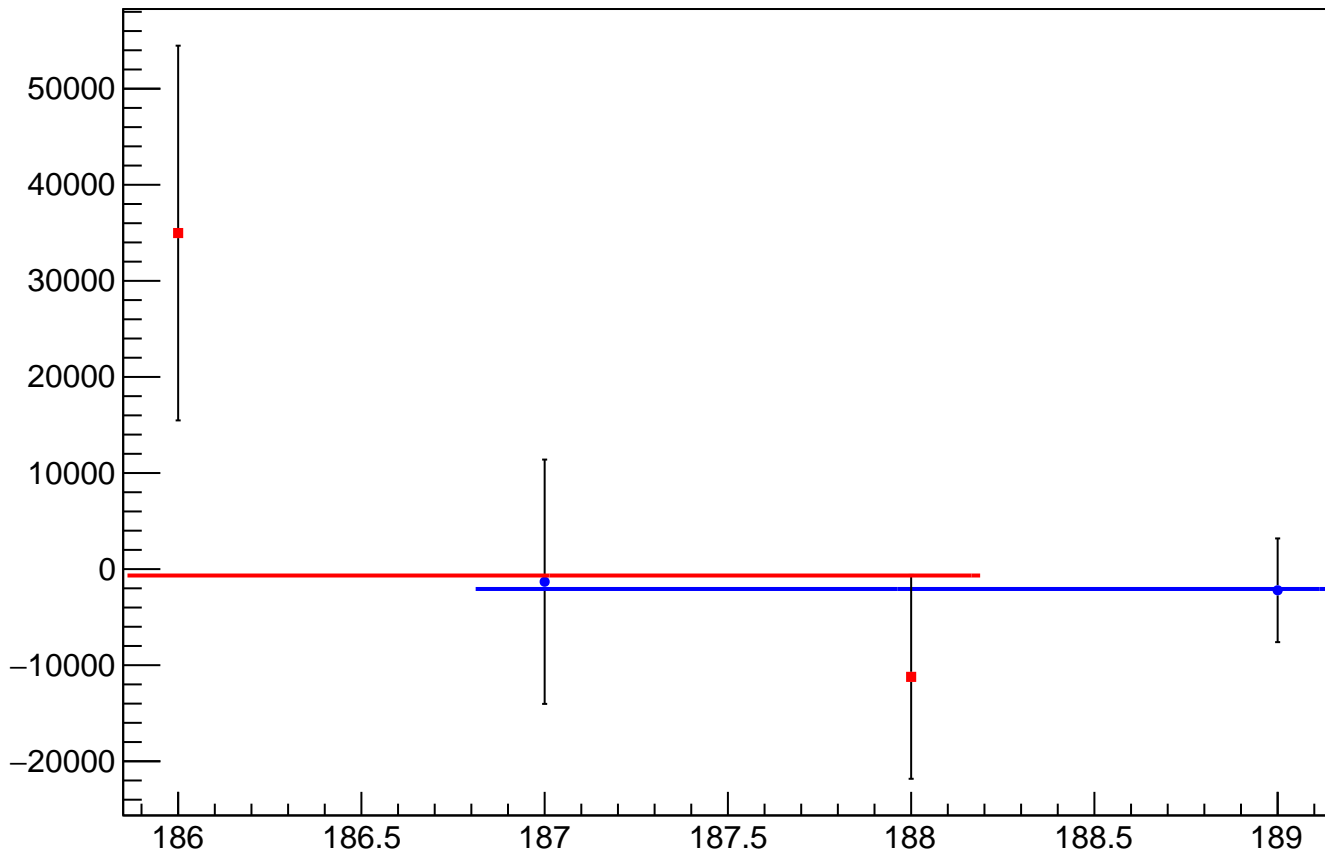
In: 215.717 $\pm$ 0.193  $\chi^2$ /NDF:1008.0/1

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

All: 230.125 $\pm$ 0.153  $\chi^2$ /NDF: 69658.3/3



# asym\_sam\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In:  $-2068.084 \pm 4968.034$   $\chi^2/\text{NDF}: 0.0/1$

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

Right Out:  $-667.237 \pm 9318.998$   $\chi^2/\text{NDF}: 4.3/1$

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

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

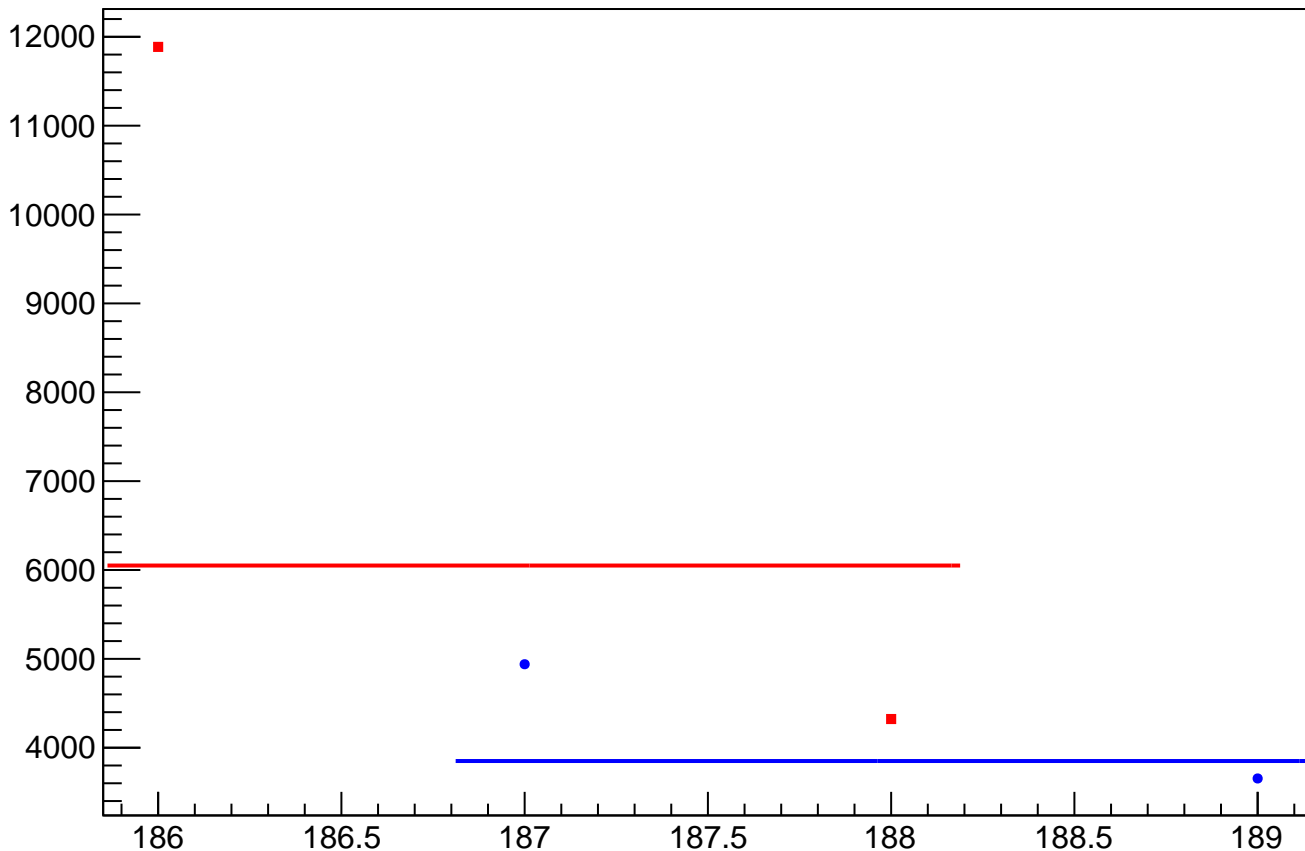
Right:  $-1758.066 \pm 4383.969$   $\chi^2/\text{NDF}: 4.4/3$

In:  $-2068.084 \pm 4968.034$   $\chi^2/\text{NDF}: 0.0/1$

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

All:  $-1758.066 \pm 4383.969$   $\chi^2/\text{NDF}: 4.4/3$

# asym\_sam\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 3850.433+/-3.513  $\chi^2$ /NDF: 17323.3/1

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

Right Out: 6050.211+/-6.590  $\chi^2$ /NDF: 232154.6/1

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

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

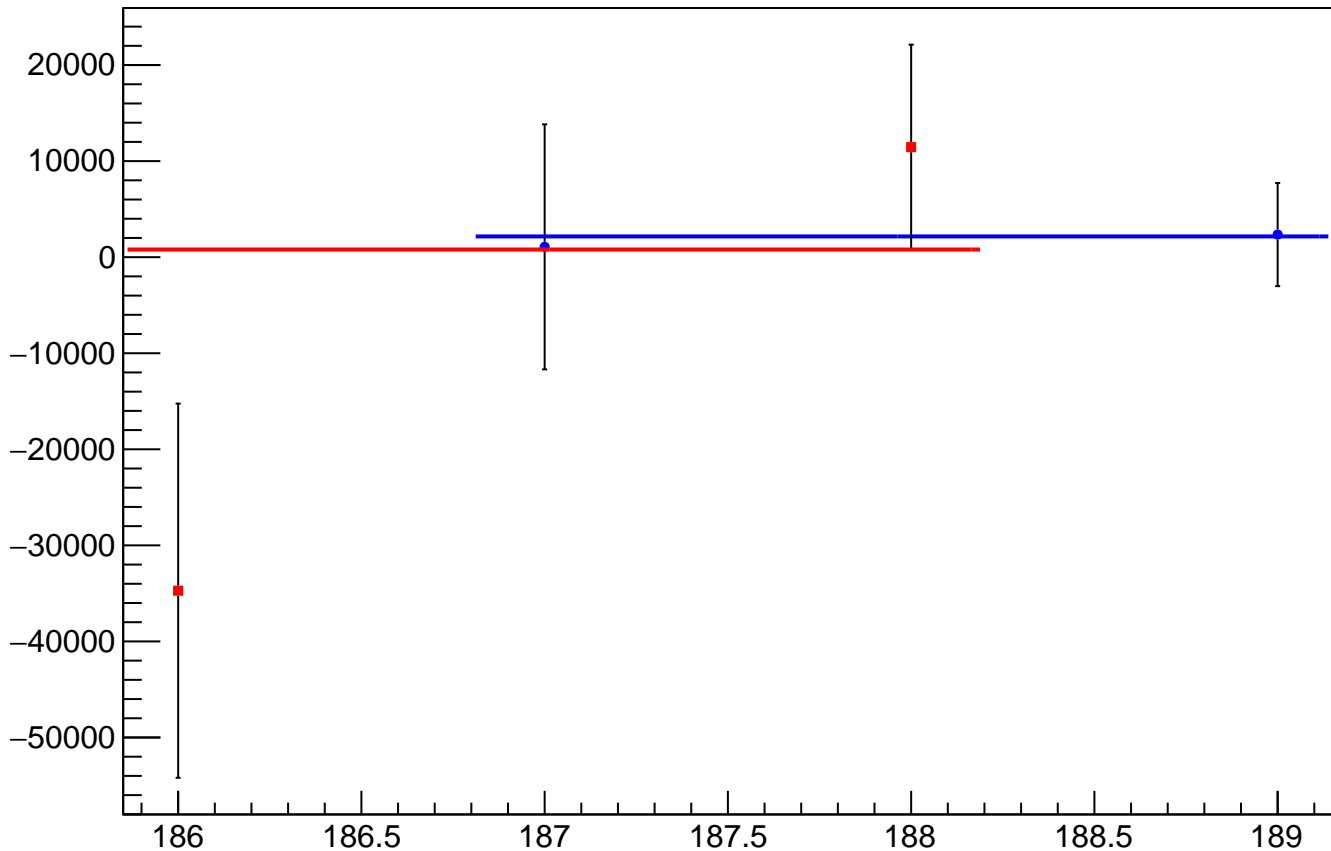
Right: 4337.261+/-3.100  $\chi^2$ /NDF: 336257.0/3

In: 3850.433+/-3.513  $\chi^2$ /NDF:17323.3/1

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

All: 4337.261+/-3.100  $\chi^2$ /NDF: 336257.0/3

# asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 2159.443+/-4946.996  $\chi^2$ /NDF: 0.0/1

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

Right Out: 797.273+/-9356.939  $\chi^2$ /NDF: 4.3/1

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

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

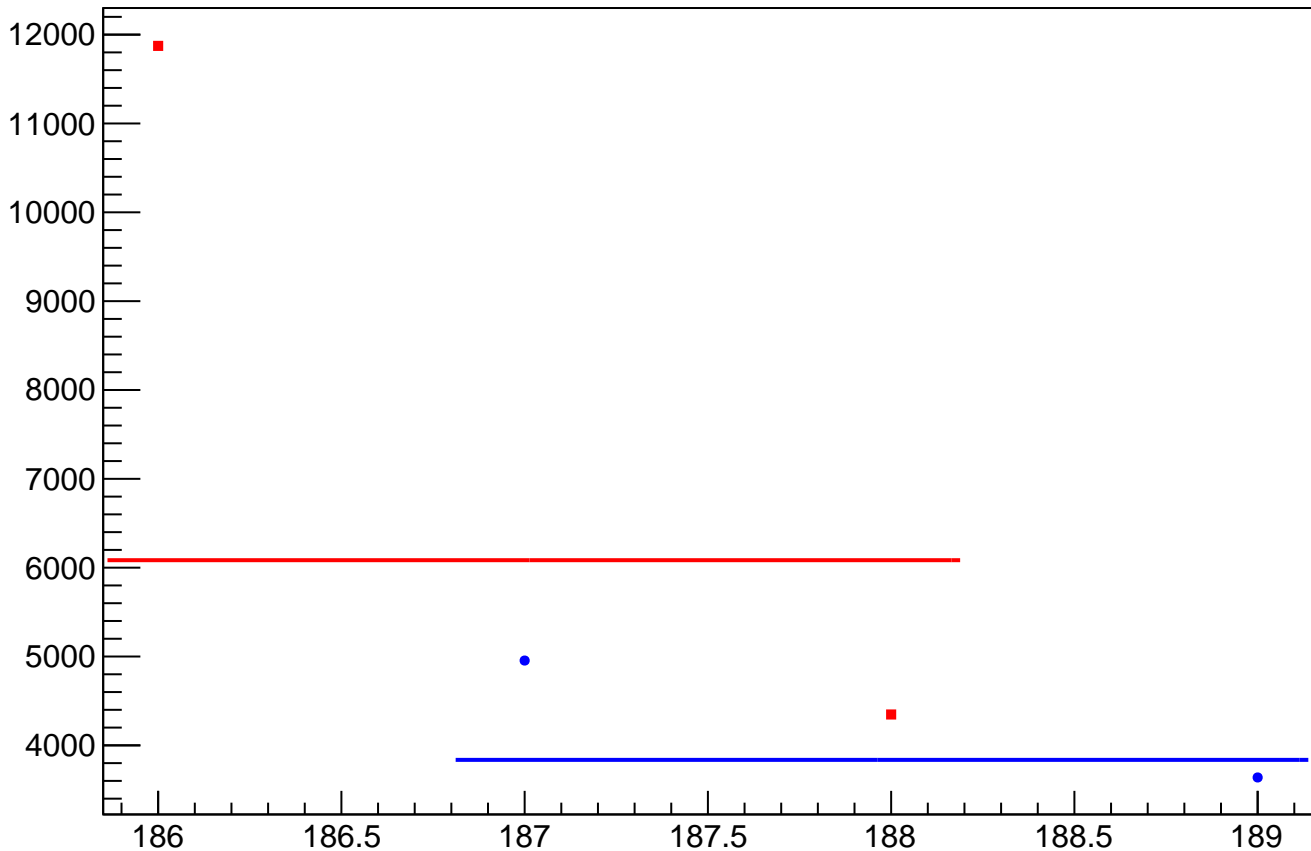
Right: 1861.866+/-4373.385  $\chi^2$ /NDF: 4.3/3

In: 2159.443+/-4946.996  $\chi^2$ /NDF:0.0/1

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

All: 1861.866+/-4373.385  $\chi^2$ /NDF: 4.3/3

# asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 3836.628+/-3.498  $\chi^2/\text{NDF}$ : 18089.9/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6084.233+/-6.616  $\chi^2/\text{NDF}$ : 229664.4/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

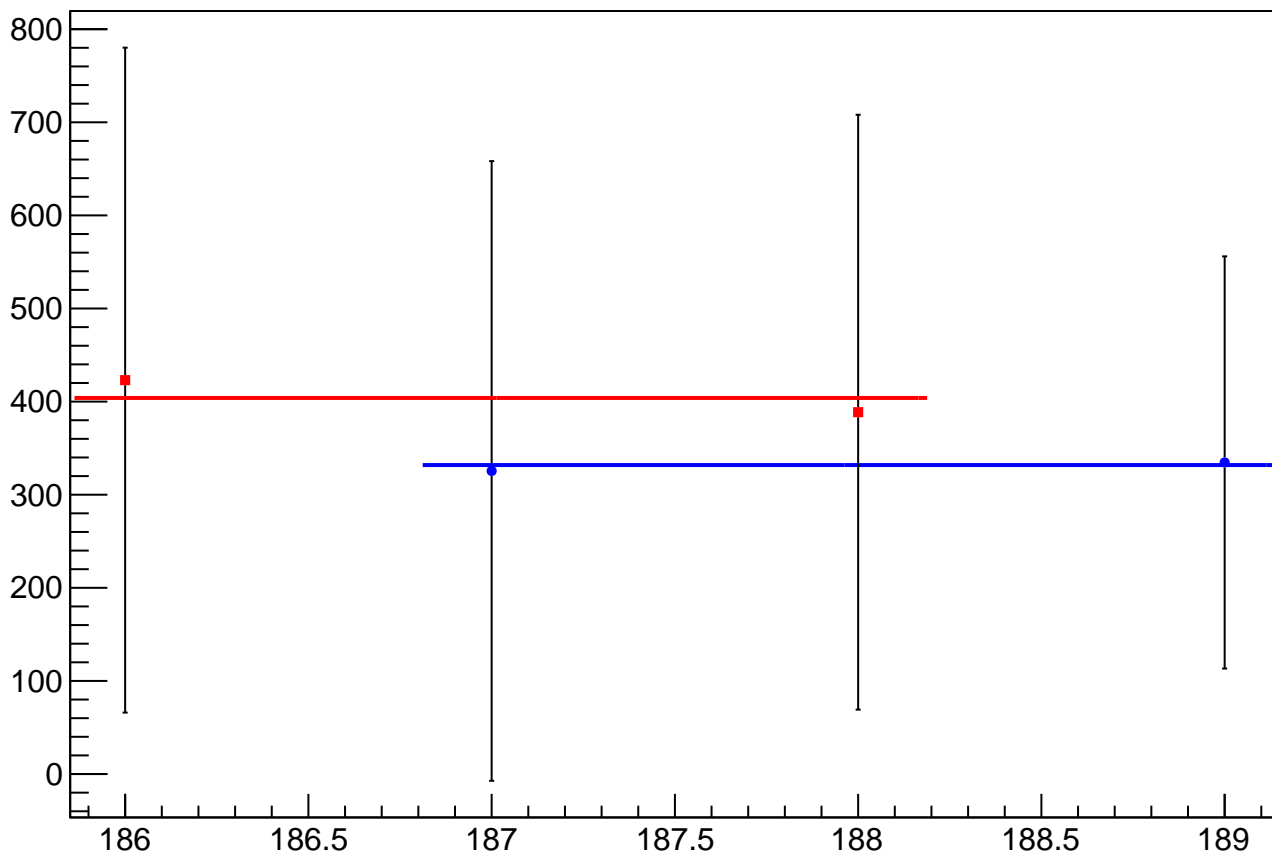
Right: 4327.635+/-3.092  $\chi^2/\text{NDF}$ : 337943.6/3

In: 3836.628+/-3.498  $\chi^2/\text{NDF}$ : 18089.9/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4327.635+/-3.092  $\chi^2/\text{NDF}$ : 337943.6/3

# dit\_asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 331.857+/-184.303  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 403.938+/-238.083  $\chi^2/\text{NDF}$ : 0.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

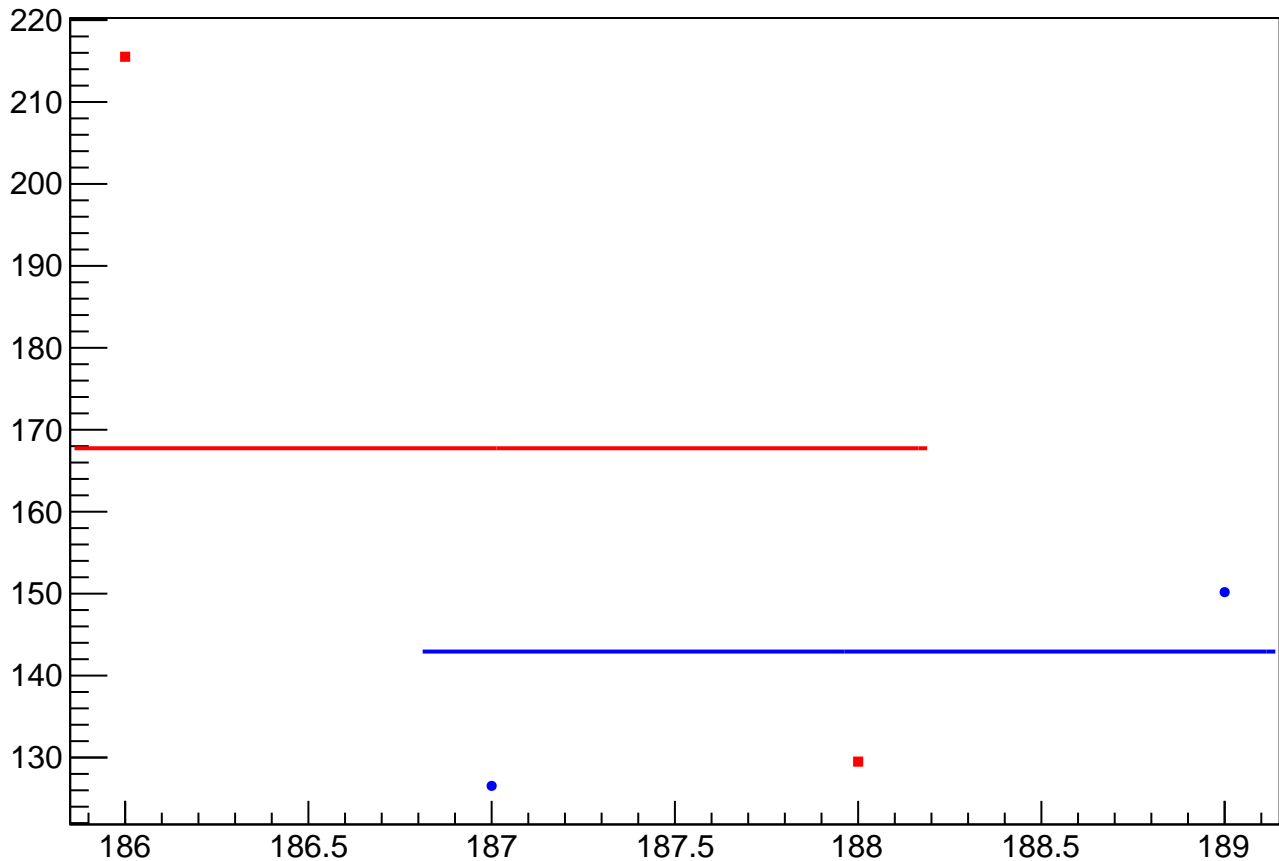
Right: 358.866+/-145.738  $\chi^2/\text{NDF}$ : 0.1/3

In: 331.857+/-184.303  $\chi^2/\text{NDF}$ :0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 358.866+/-145.738  $\chi^2/\text{NDF}$ : 0.1/3

# dit\_asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 142.932+/-0.130  $\chi^2/\text{NDF}$ : 6998.5/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 167.743+/-0.168  $\chi^2/\text{NDF}$ : 64473.3/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

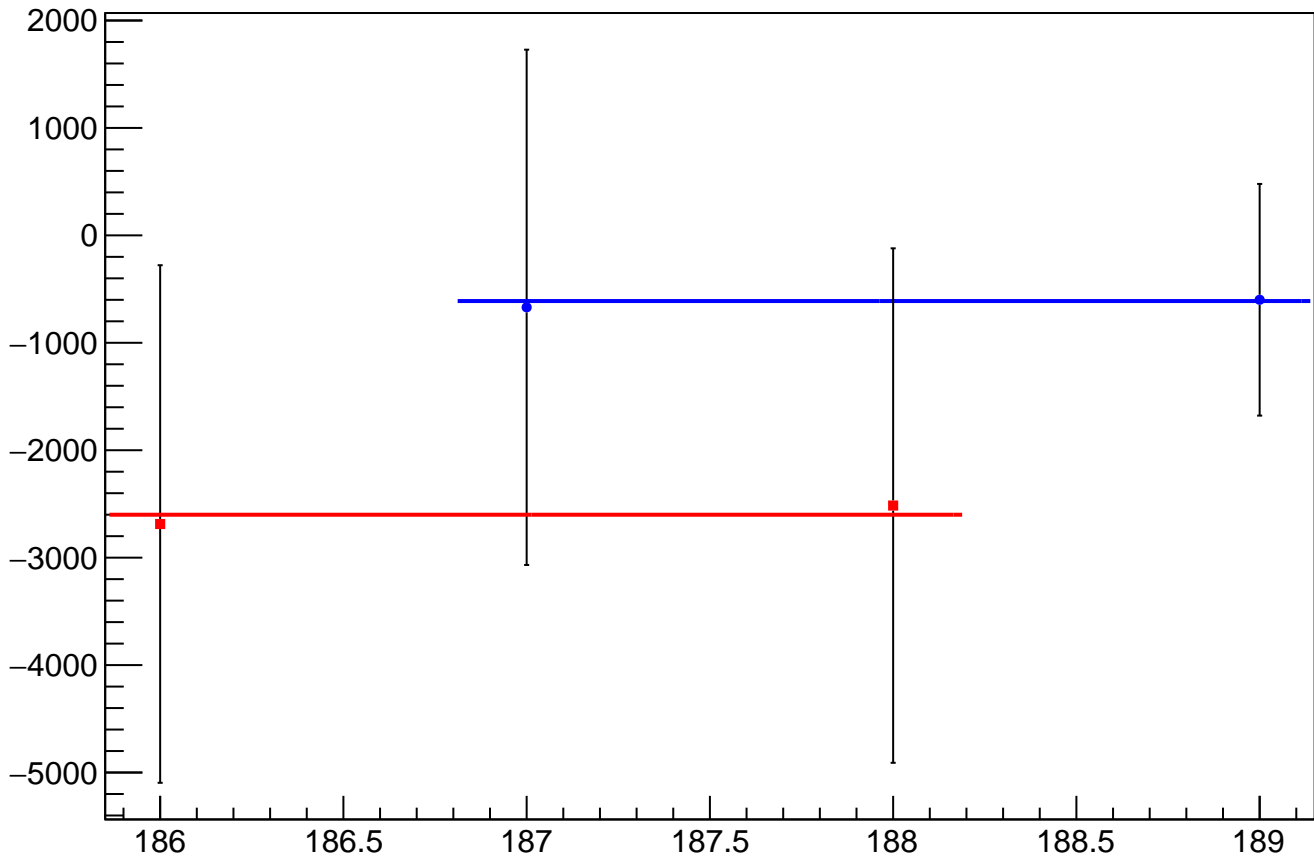
Right: 152.229+/-0.103  $\chi^2/\text{NDF}$ : 85052.5/3

In: 142.932+/-0.130  $\chi^2/\text{NDF}$ : 6998.5/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 152.229+/-0.103  $\chi^2/\text{NDF}$ : 85052.5/3

asym\_sam\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -611.383+/-983.406  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2600.414+/-1698.226  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

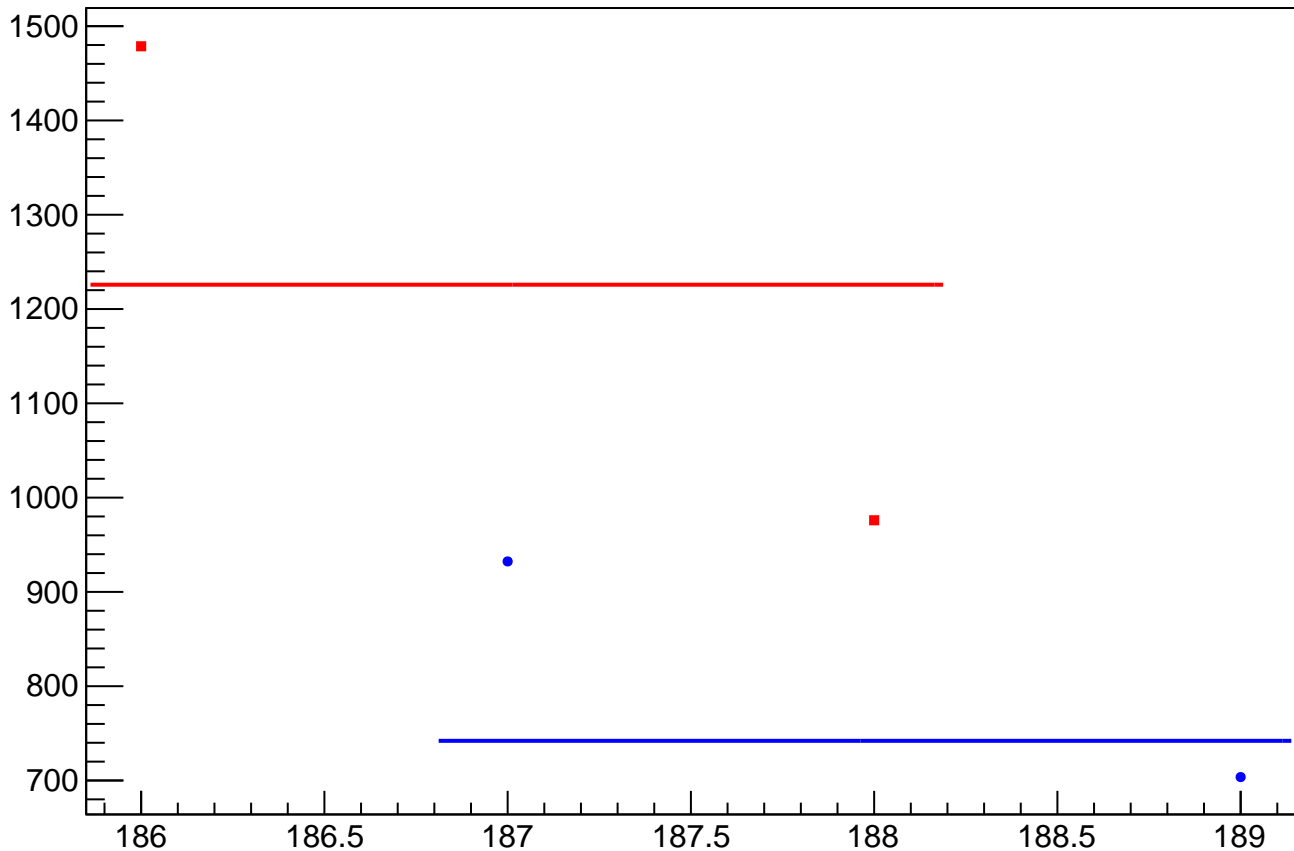
Right: -1110.874+/-851.017  $\chi^2$ /NDF: 1.0/3

In: -611.383+/-983.406  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1110.874+/-851.017  $\chi^2$ /NDF: 1.0/3

# asym\_sam\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 742.072+/-0.695  $\chi^2$ /NDF: 15131.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1225.808+/-1.201  $\chi^2$ /NDF: 43809.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 863.549+/-0.602  $\chi^2$ /NDF: 180466.4/3

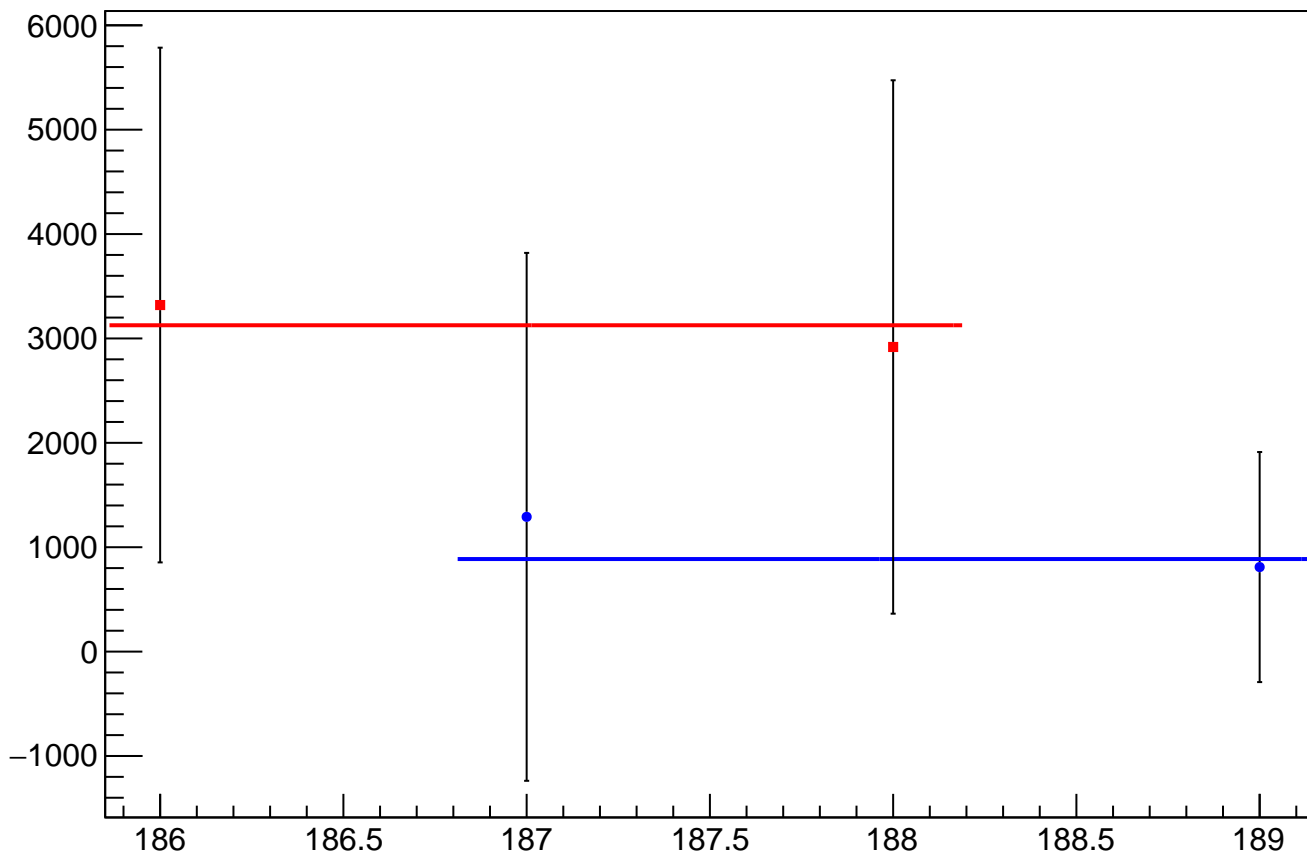
In: 742.072+/-0.695  $\chi^2$ /NDF:15131.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 863.549+/-0.602  $\chi^2$ /NDF: 180466.4/3



# asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 886.689+/-1010.251  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3126.348+/-1774.189  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

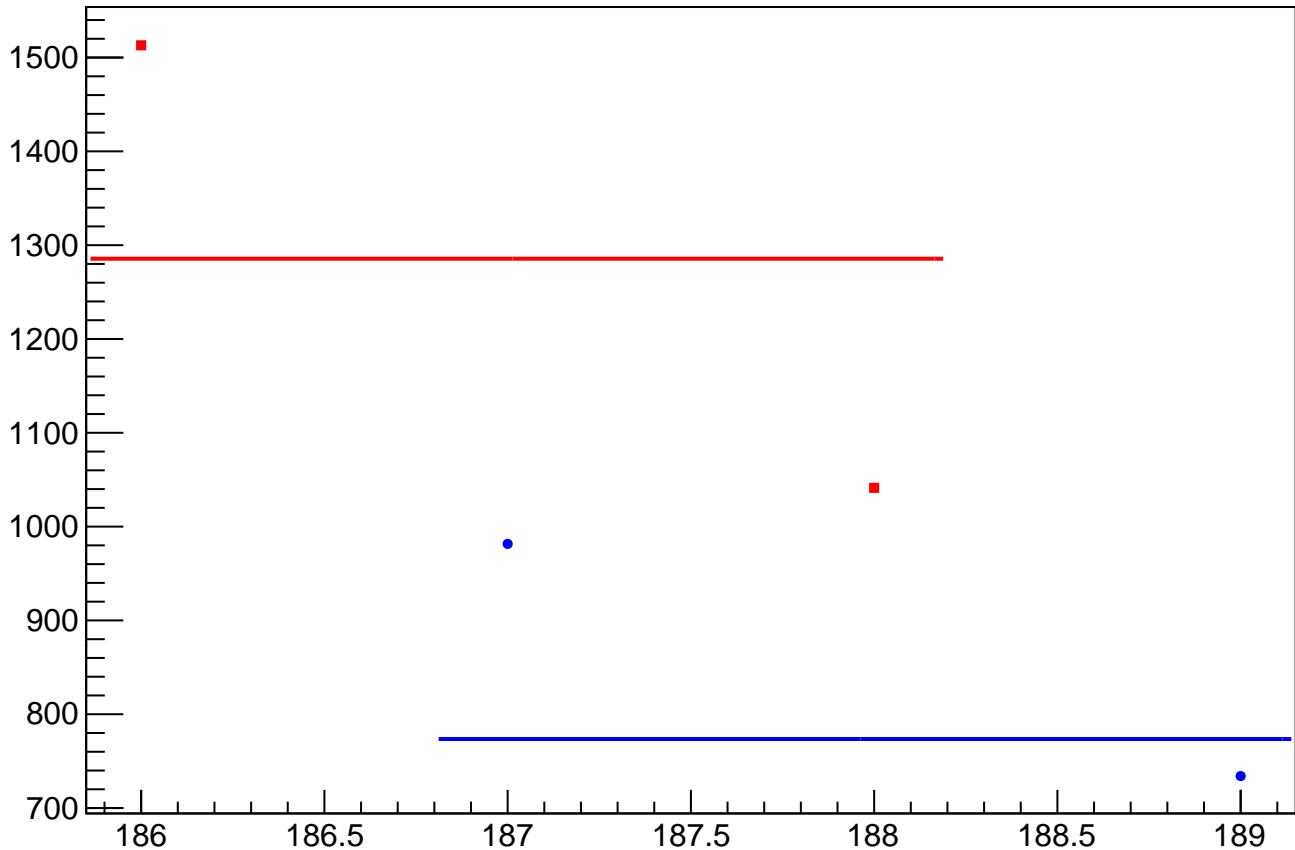
Right: 1435.061+/-877.903  $\chi^2$ /NDF: 1.2/3

In: 886.689+/-1010.251  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1435.061+/-877.903  $\chi^2$ /NDF: 1.2/3

# asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 773.595+/-0.714  $\chi^2$ /NDF: 16103.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1285.584+/-1.255  $\chi^2$ /NDF: 35302.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

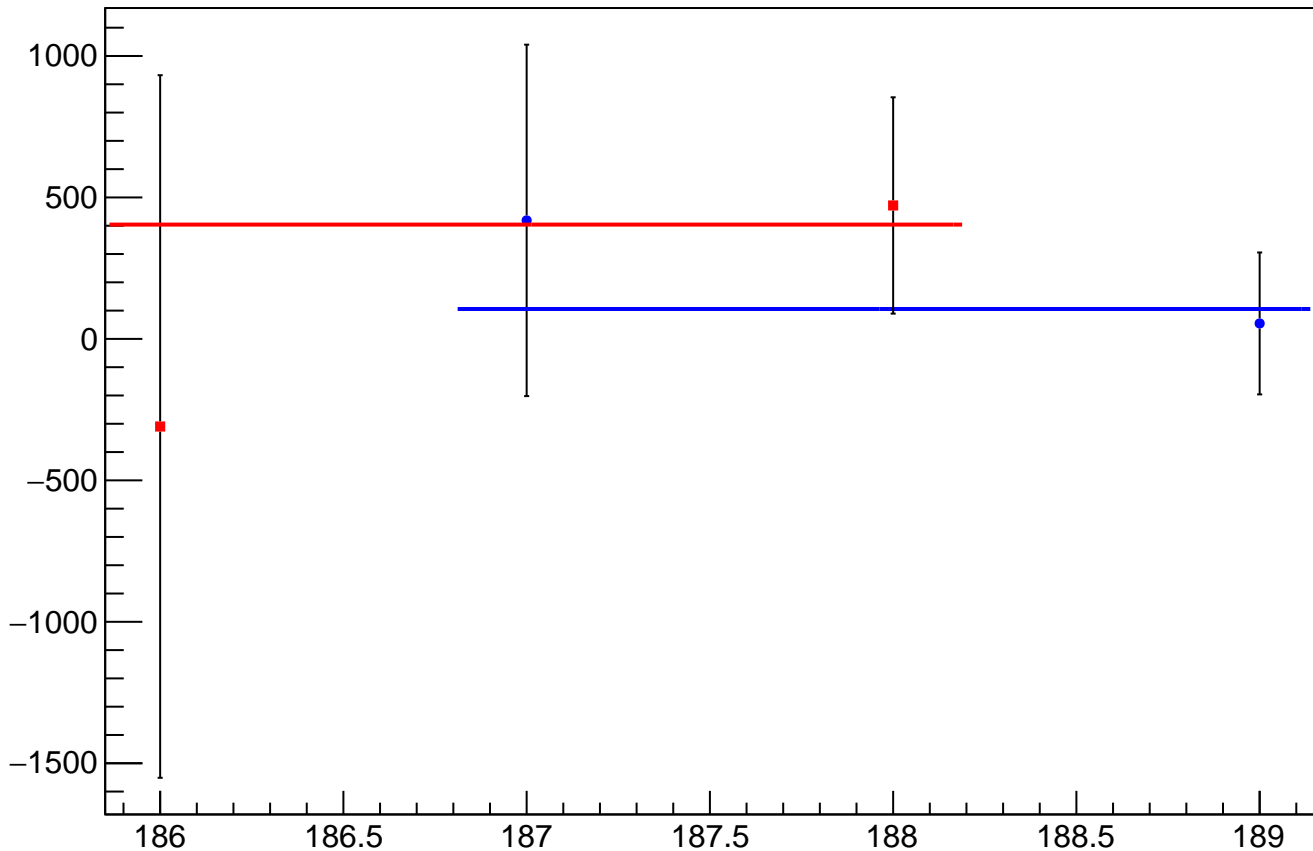
Right: 898.954+/-0.621  $\chi^2$ /NDF: 177178.5/3

In: 773.595+/-0.714  $\chi^2$ /NDF:16103.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 898.954+/-0.621  $\chi^2$ /NDF: 177178.5/3

# dit\_asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 105.719 +/- 232.564  $\chi^2/NDF: 0.3/1$

Left Out: 0.000 +/- 0.000  $\chi^2/NDF: 0.0/0$

Right Out: 404.040 +/- 365.371  $\chi^2/NDF: 0.4/1$

Left In: 0.000 +/- 0.000  $\chi^2/NDF: 0.0/0$

Left: 0.000 +/- 0.000  $\chi^2/NDF: 0.0/0$

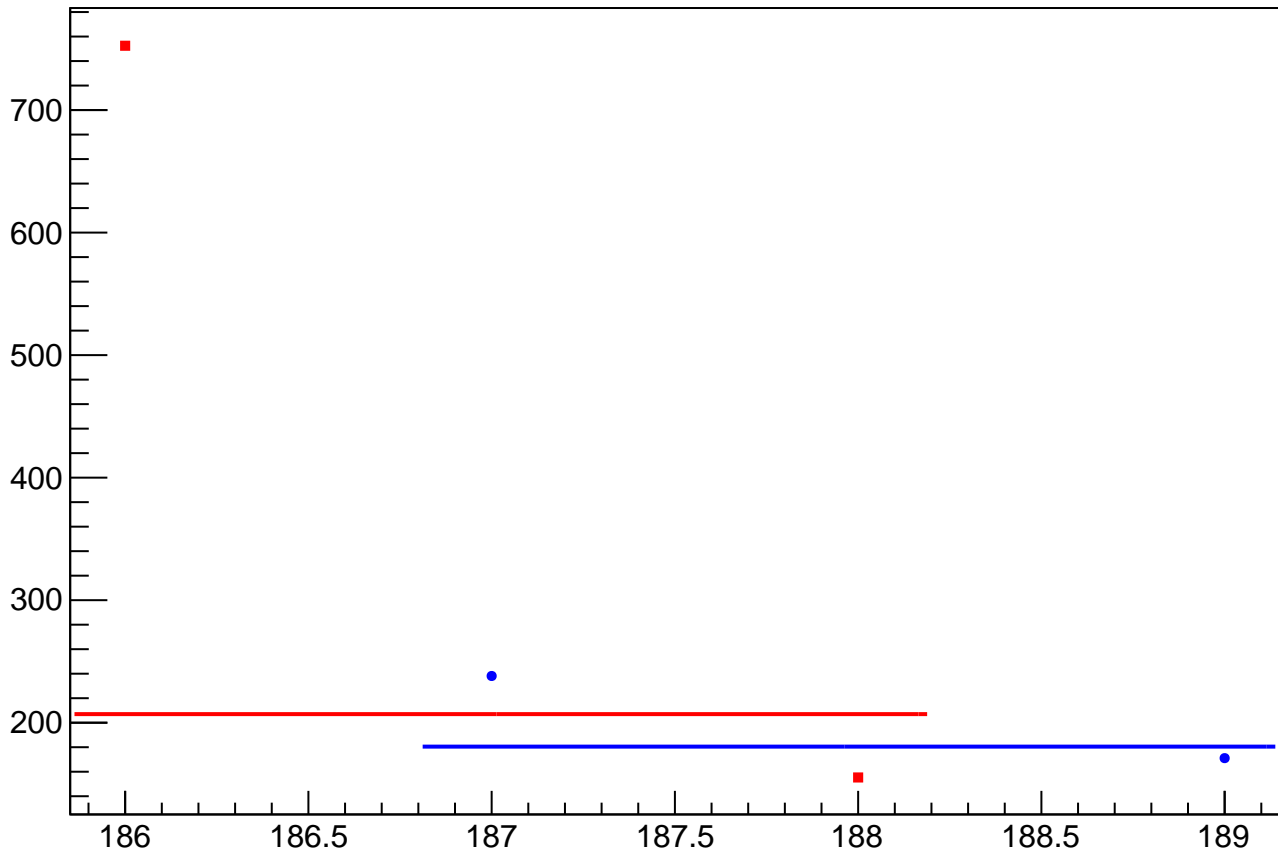
Right: 191.735 +/- 196.192  $\chi^2/NDF: 1.1/3$

In: 105.719 +/- 232.564  $\chi^2/NDF: 0.3/1$

Out: 0.000 +/- 0.000  $\chi^2/NDF: 0.0/0$

All: 191.735 +/- 196.192  $\chi^2/NDF: 1.1/3$

# dit\_asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 180.486+/-0.164  $\chi^2/\text{NDF}$ : 20039.9/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 207.010+/-0.258  $\chi^2/\text{NDF}$ : 422526.9/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

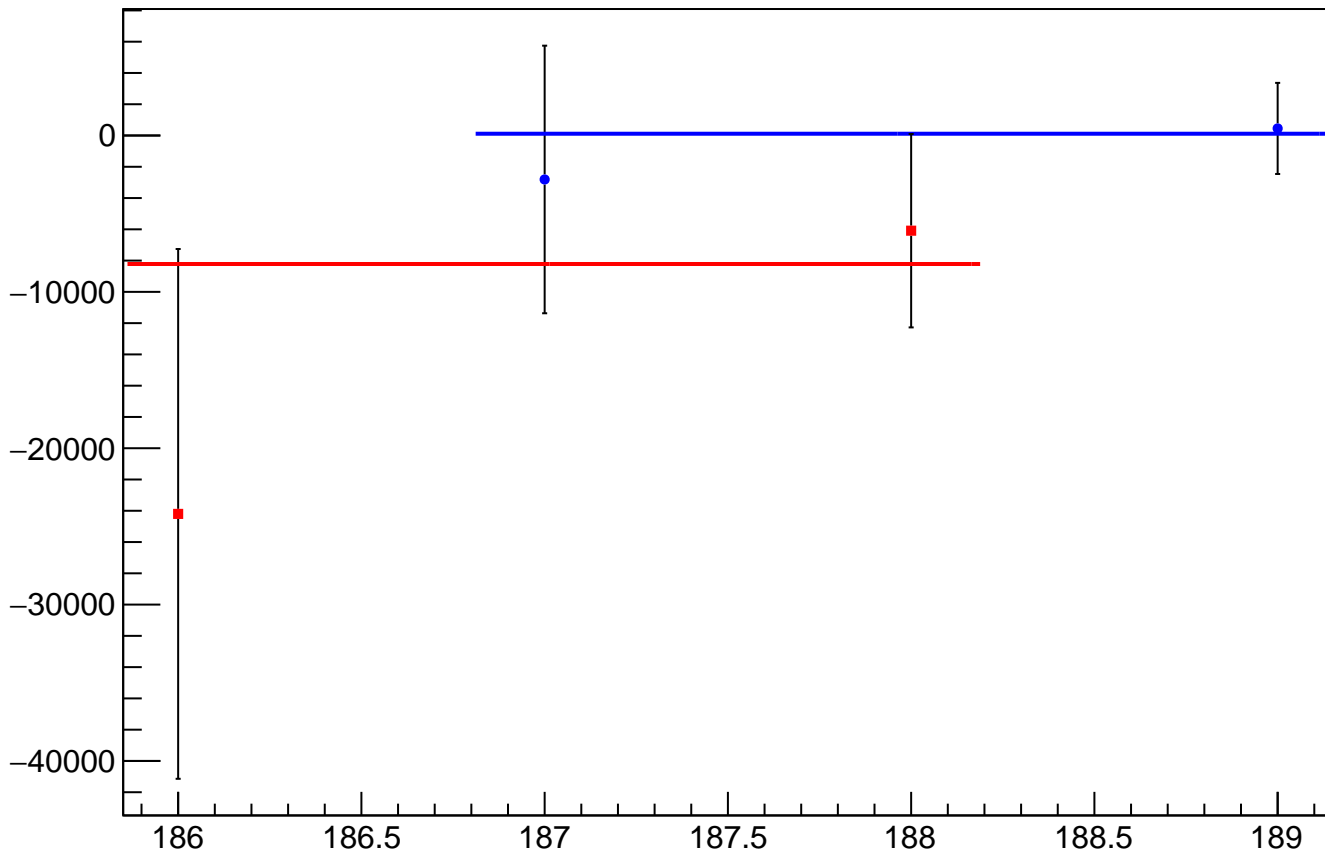
Right: 188.134+/-0.139  $\chi^2/\text{NDF}$ : 450067.8/3

In: 180.486+/-0.164  $\chi^2/\text{NDF}$ :20039.9/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 188.134+/-0.139  $\chi^2/\text{NDF}$ : 450067.8/3

asym\_sam\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 113.615+/-2757.552  $\chi^2/NDF: 0.1/1$

Left Out: 0.000+/-0.000  $\chi^2/NDF: 0.0/0$

Right Out: -8217.785+/-5810.450  $\chi^2/NDF: 1.0/1$

Left In: 0.000+/-0.000  $\chi^2/NDF: 0.0/0$

Left: 0.000+/-0.000  $\chi^2/NDF: 0.0/0$

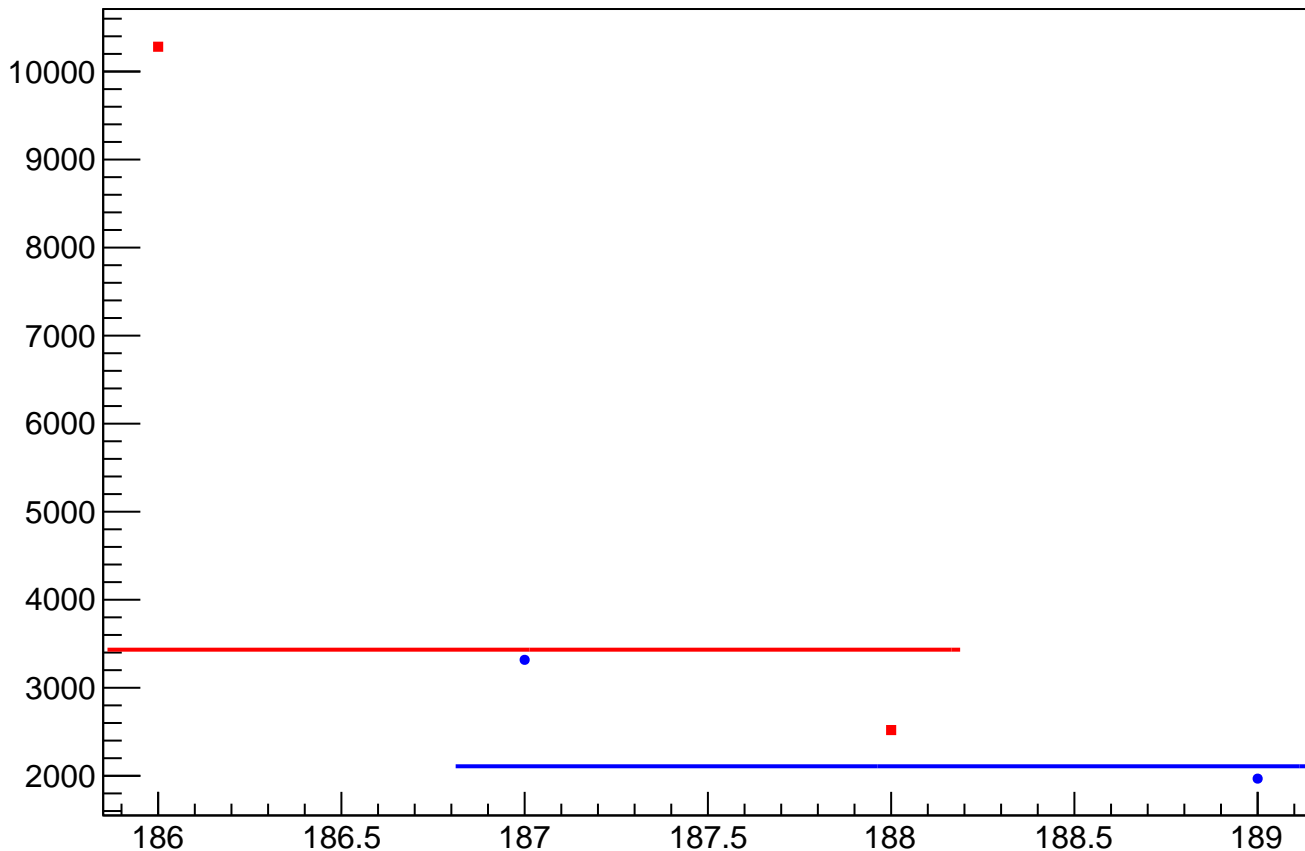
Right: -1417.923+/-2491.235  $\chi^2/NDF: 2.8/3$

In: 113.615+/-2757.552  $\chi^2/NDF: 0.1/1$

Out: 0.000+/-0.000  $\chi^2/NDF: 0.0/0$

All: -1417.923+/-2491.235  $\chi^2/NDF: 2.8/3$

# asym\_sam\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 2108.270+/-1.950  $\chi^2$ /NDF: 44559.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3432.749+/-4.109  $\chi^2$ /NDF: 370443.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

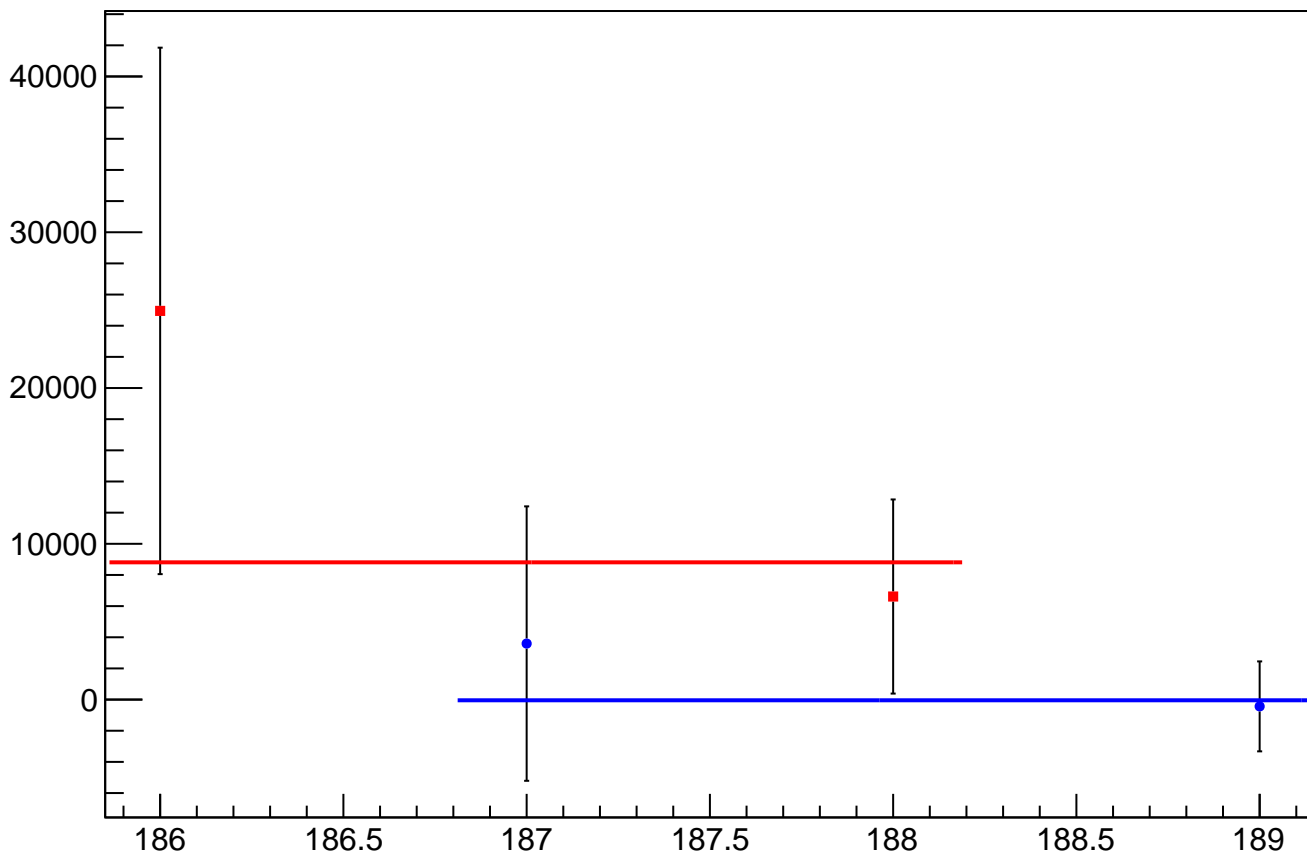
Right: 2351.745+/-1.762  $\chi^2$ /NDF: 499819.8/3

In: 2108.270+/-1.950  $\chi^2$ /NDF:44559.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2351.745+/-1.762  $\chi^2$ /NDF: 499819.8/3

# asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In:  $-45.183 \pm 2743.608$   $\chi^2/\text{NDF}: 0.2/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $8810.720 \pm 5846.109$   $\chi^2/\text{NDF}: 1.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

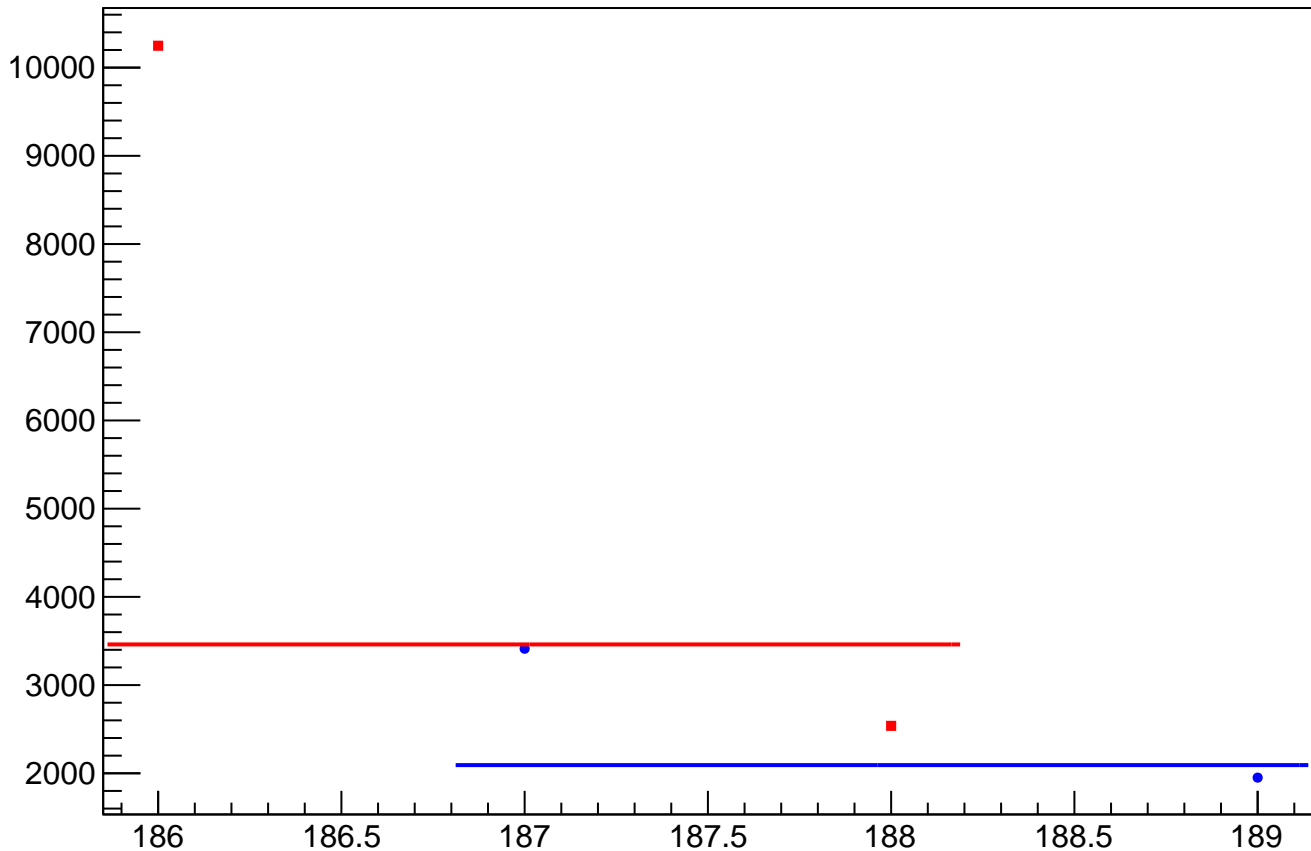
Right:  $1553.254 \pm 2483.695$   $\chi^2/\text{NDF}: 3.1/3$

In:  $-45.183 \pm 2743.608$   $\chi^2/\text{NDF}: 0.2/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $1553.254 \pm 2483.695$   $\chi^2/\text{NDF}: 3.1/3$

# asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 2092.722+/-1.940  $\chi^2/\text{NDF}$ : 49700.8/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3460.847+/-4.134  $\chi^2/\text{NDF}$ : 366559.8/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 2339.660+/-1.756  $\chi^2/\text{NDF}$ : 506024.2/3

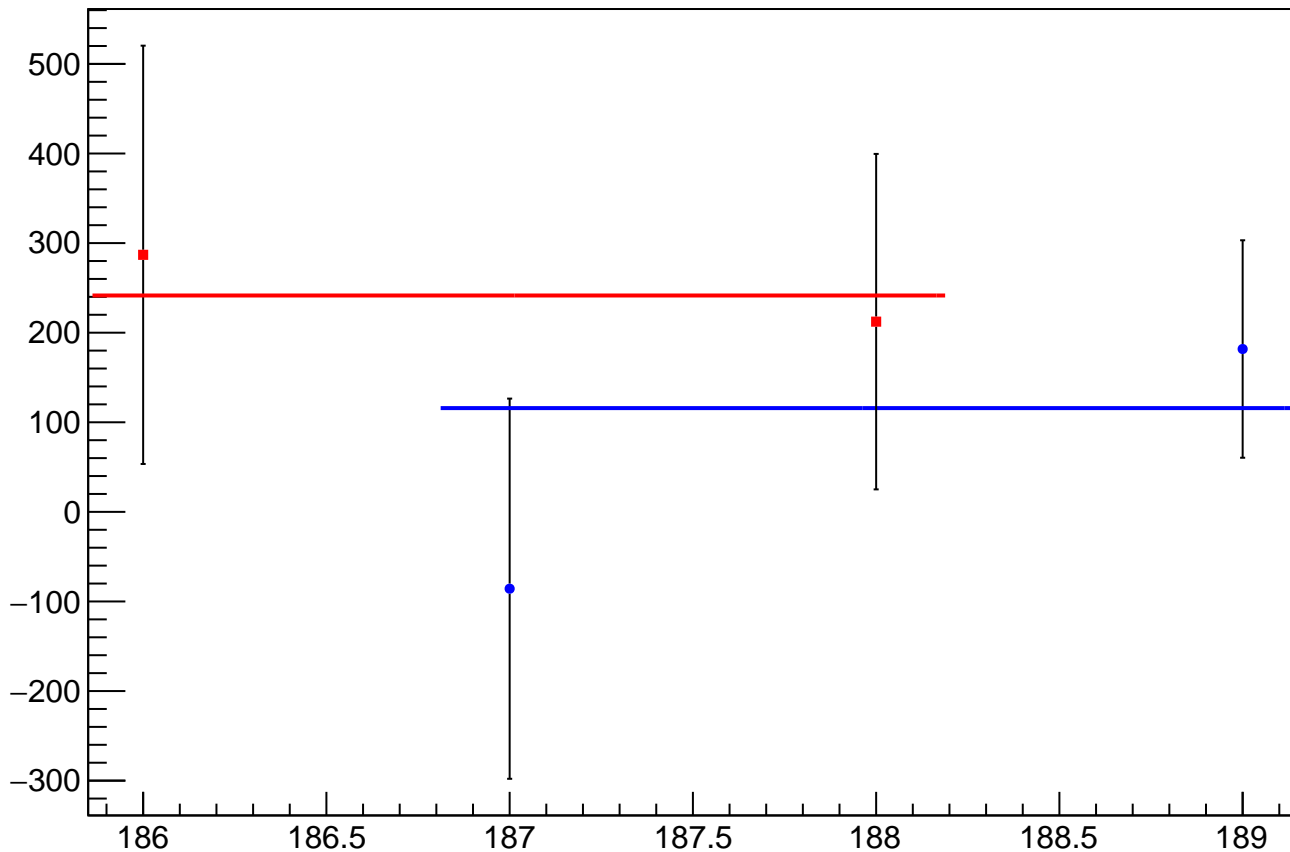
In: 2092.722+/-1.940  $\chi^2/\text{NDF}$ : 49700.8/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2339.660+/-1.756  $\chi^2/\text{NDF}$ : 506024.2/3



# dit\_asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 115.827 $\pm$ 105.350  $\chi^2$ /NDF: 1.2/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 241.517 $\pm$ 146.053  $\chi^2$ /NDF: 0.1/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

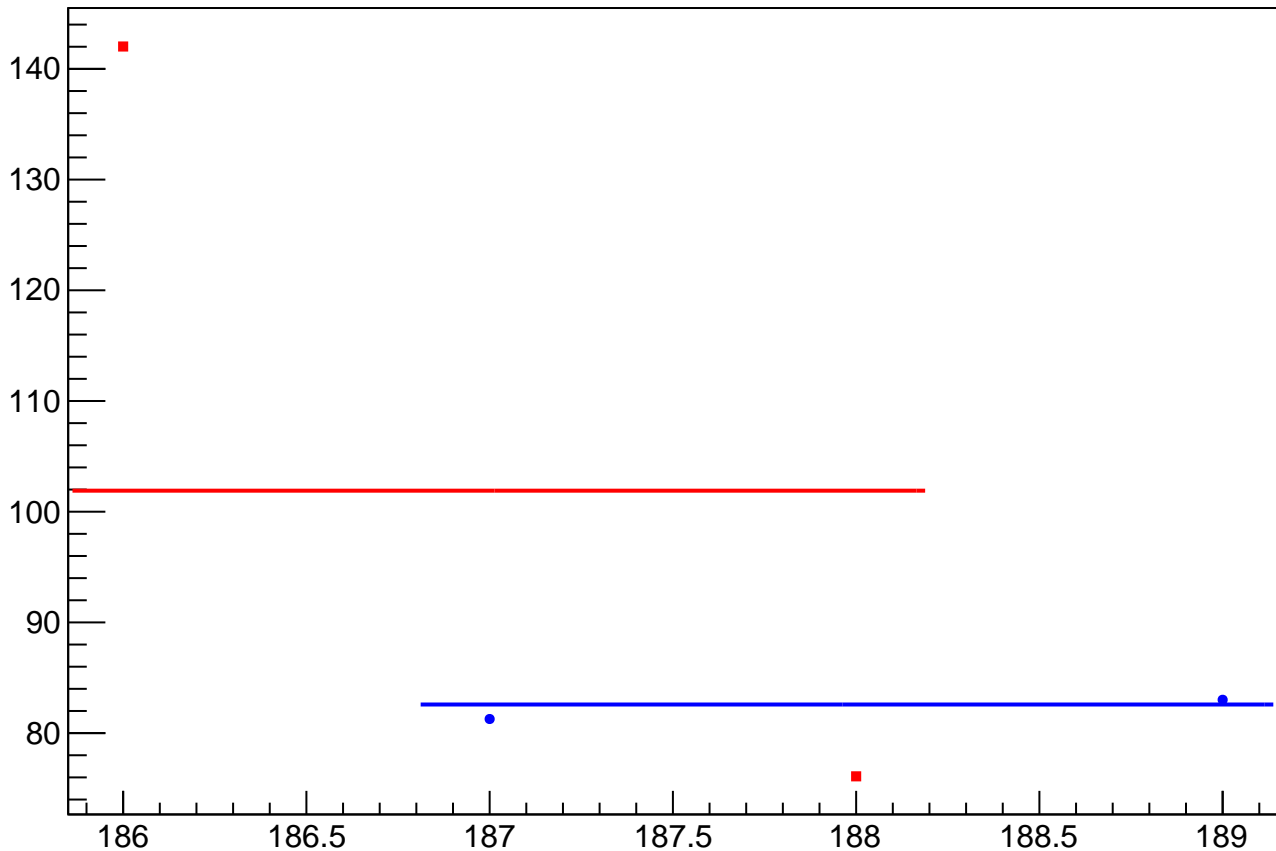
Right: 158.842 $\pm$ 85.442  $\chi^2$ /NDF: 1.7/3

In: 115.827 $\pm$ 105.350  $\chi^2$ /NDF:1.2/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 158.842 $\pm$ 85.442  $\chi^2$ /NDF: 1.7/3

# dit\_asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 82.584+/-0.074  $\chi^2$ /NDF: 101.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 101.900+/-0.103  $\chi^2$ /NDF: 97065.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

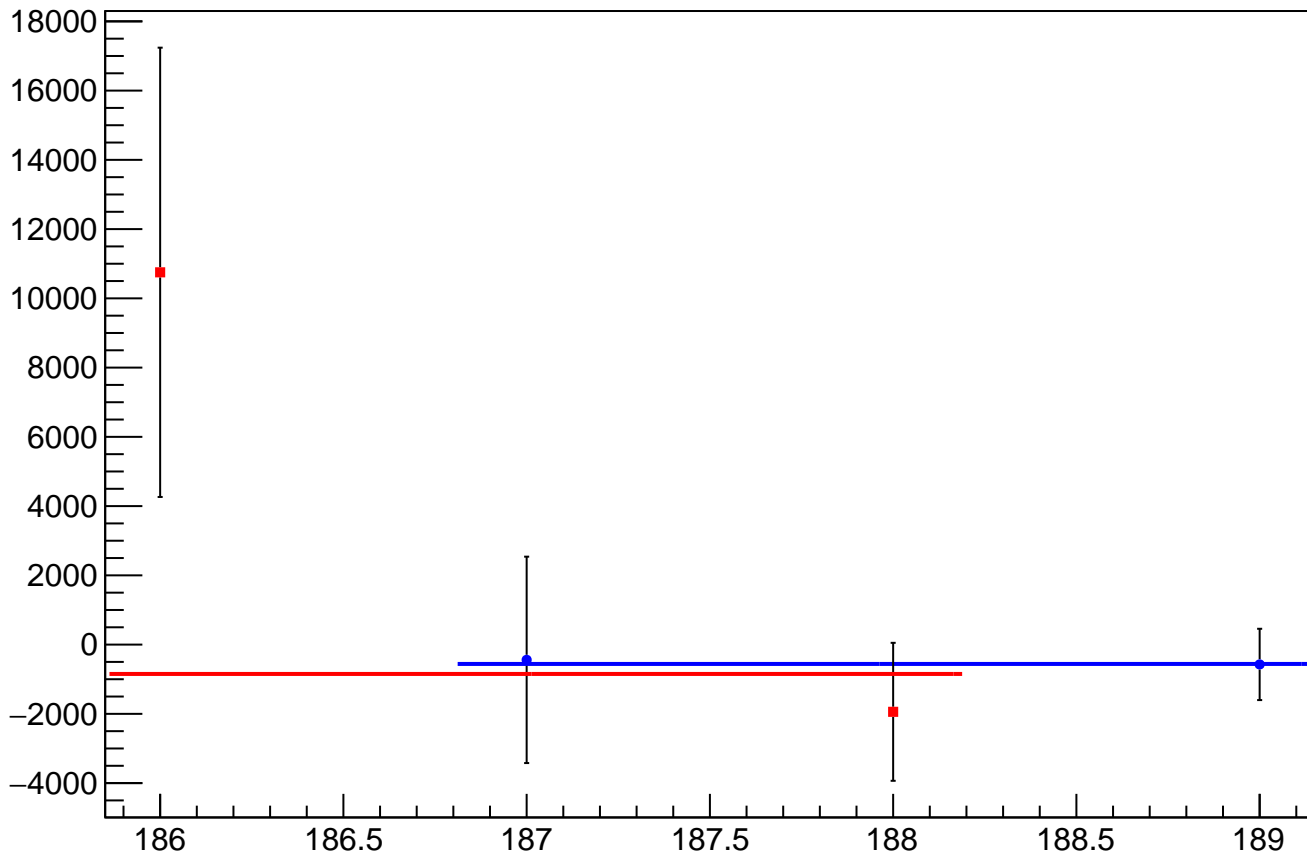
Right: 89.195+/-0.060  $\chi^2$ /NDF: 120174.7/3

In: 82.584+/-0.074  $\chi^2$ /NDF:101.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 89.195+/-0.060  $\chi^2$ /NDF: 120174.7/3

asym\_sam\_13\_57\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -558.558+/-973.196  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -847.513+/-1904.565  $\chi^2$ /NDF: 3.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

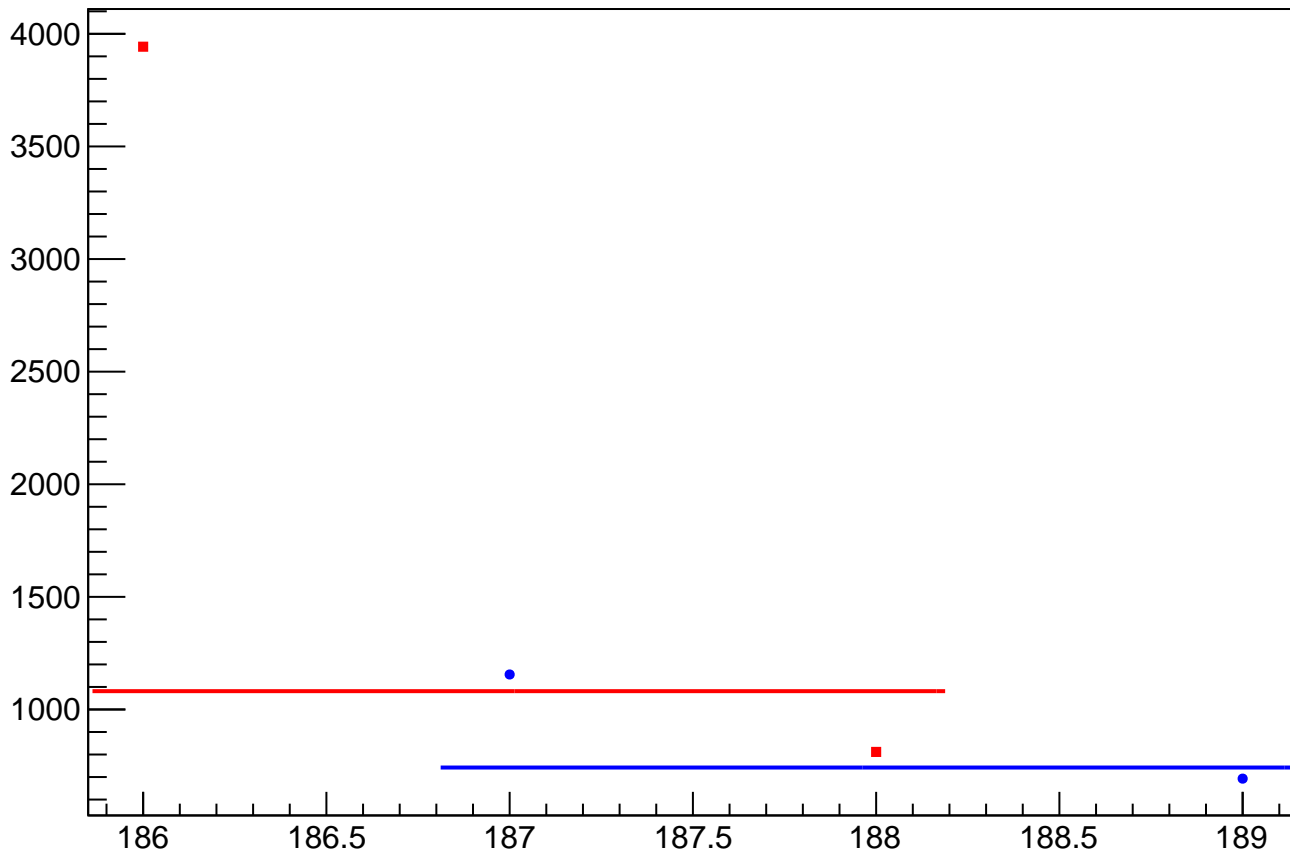
Right: -618.384+/-866.613  $\chi^2$ /NDF: 3.5/3

In: -558.558+/-973.196  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -618.384+/-866.613  $\chi^2$ /NDF: 3.5/3

# asym\_sam\_13\_57\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 742.217+/-0.688  $\chi^2$ /NDF: 43020.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1081.318+/-1.347  $\chi^2$ /NDF: 425705.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

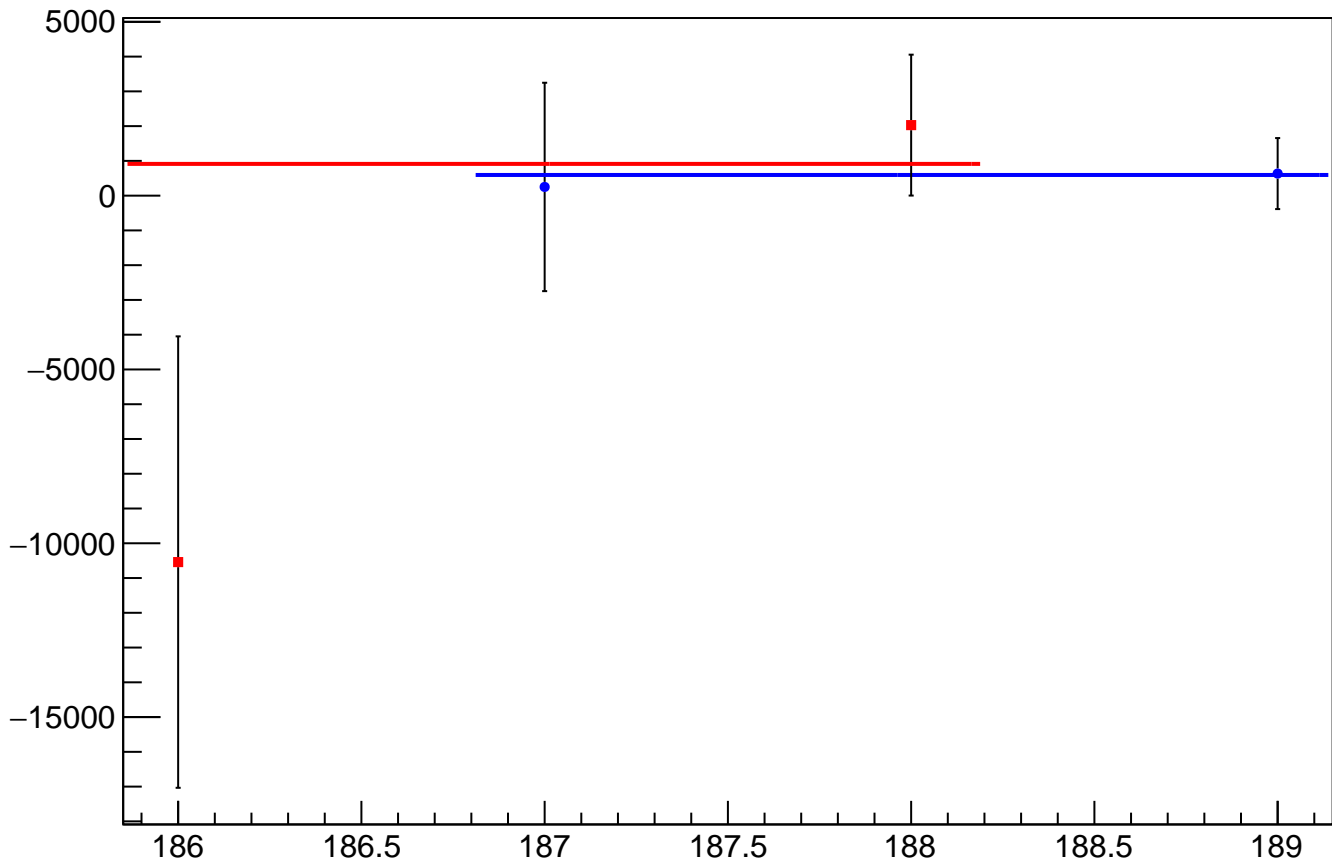
Right: 812.425+/-0.613  $\chi^2$ /NDF: 519000.6/3

In: 742.217+/-0.688  $\chi^2$ /NDF:43020.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 812.425+/-0.613  $\chi^2$ /NDF: 519000.6/3

# asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 595.036+/-966.843  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 913.431+/-1934.435  $\chi^2$ /NDF: 3.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

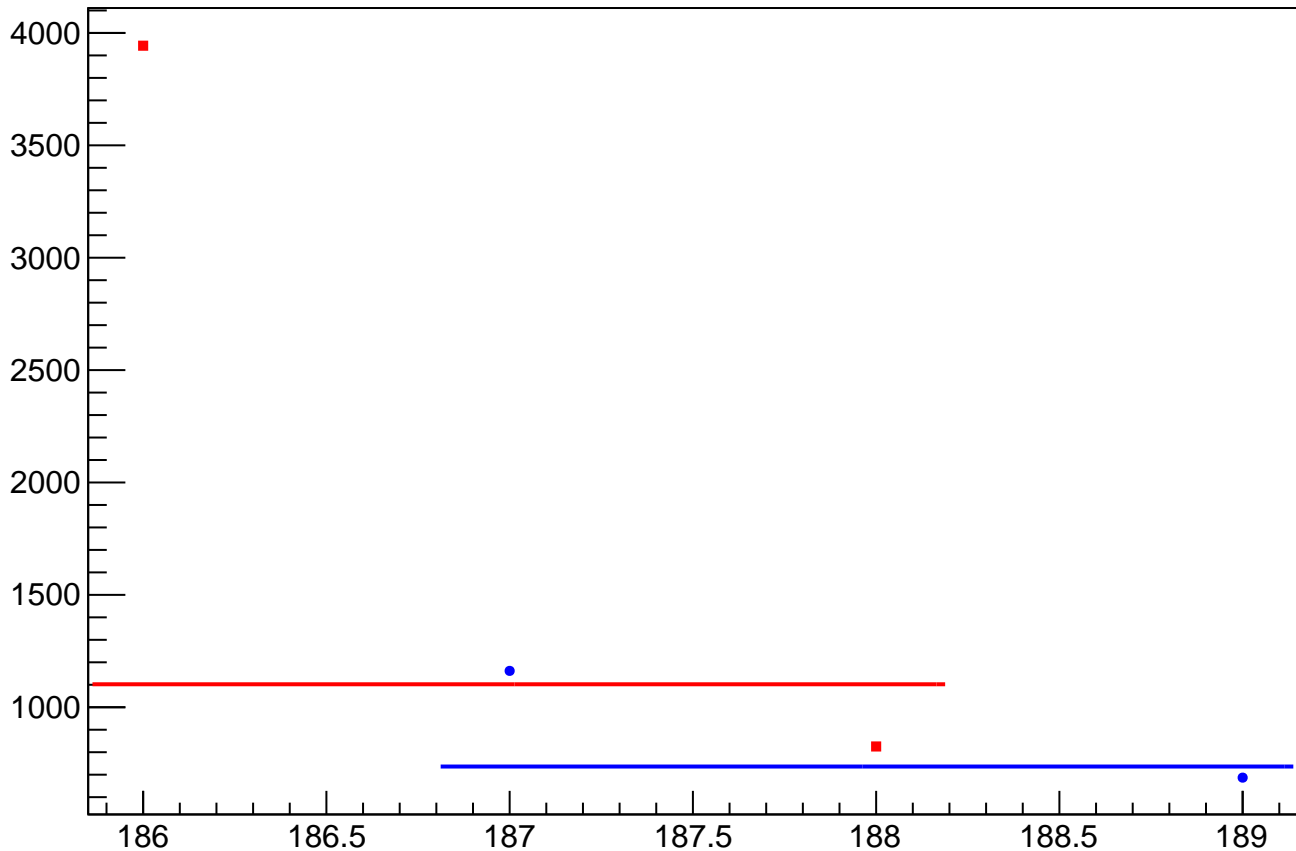
Right: 658.676+/-864.838  $\chi^2$ /NDF: 3.5/3

In: 595.036+/-966.843  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 658.676+/-864.838  $\chi^2$ /NDF: 3.5/3

# asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 736.292+/-0.684  $\chi^2$ /NDF: 44998.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1102.247+/-1.368  $\chi^2$ /NDF: 420168.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

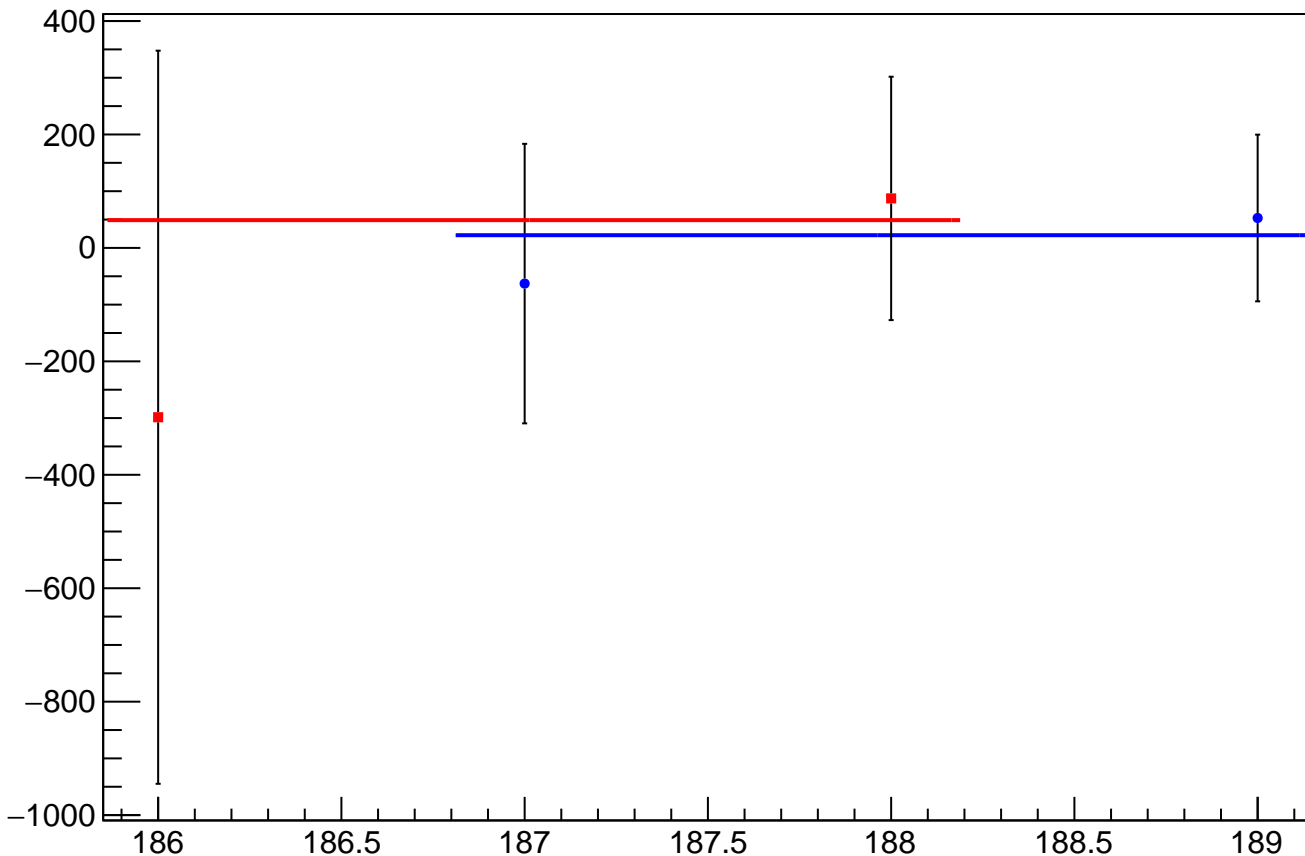
Right: 809.438+/-0.612  $\chi^2$ /NDF: 522437.7/3

In: 736.292+/-0.684  $\chi^2$ /NDF:44998.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 809.438+/-0.612  $\chi^2$ /NDF: 522437.7/3

# dit\_asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 22.413+/-126.211  $\chi^2$ /NDF: 0.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 48.984+/-203.609  $\chi^2$ /NDF: 0.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

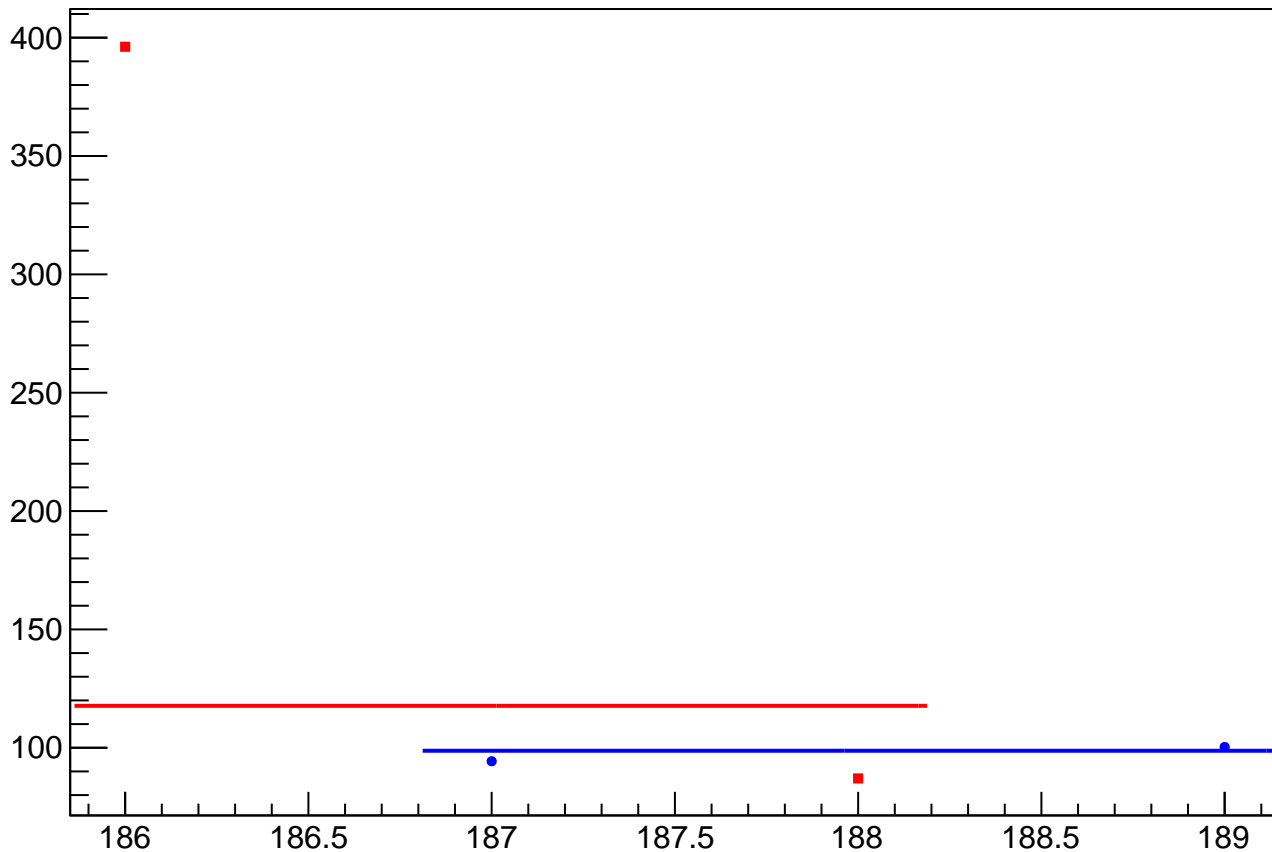
Right: 29.788+/-107.273  $\chi^2$ /NDF: 0.5/3

In: 22.413+/-126.211  $\chi^2$ /NDF:0.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 29.788+/-107.273  $\chi^2$ /NDF: 0.5/3

# dit\_asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 98.737 $\pm$ 0.089  $\chi^2$ /NDF: 876.6/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 117.718 $\pm$ 0.144  $\chi^2$ /NDF: 412161.3/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 104.006 $\pm$ 0.076  $\chi^2$ /NDF: 425594.2/3

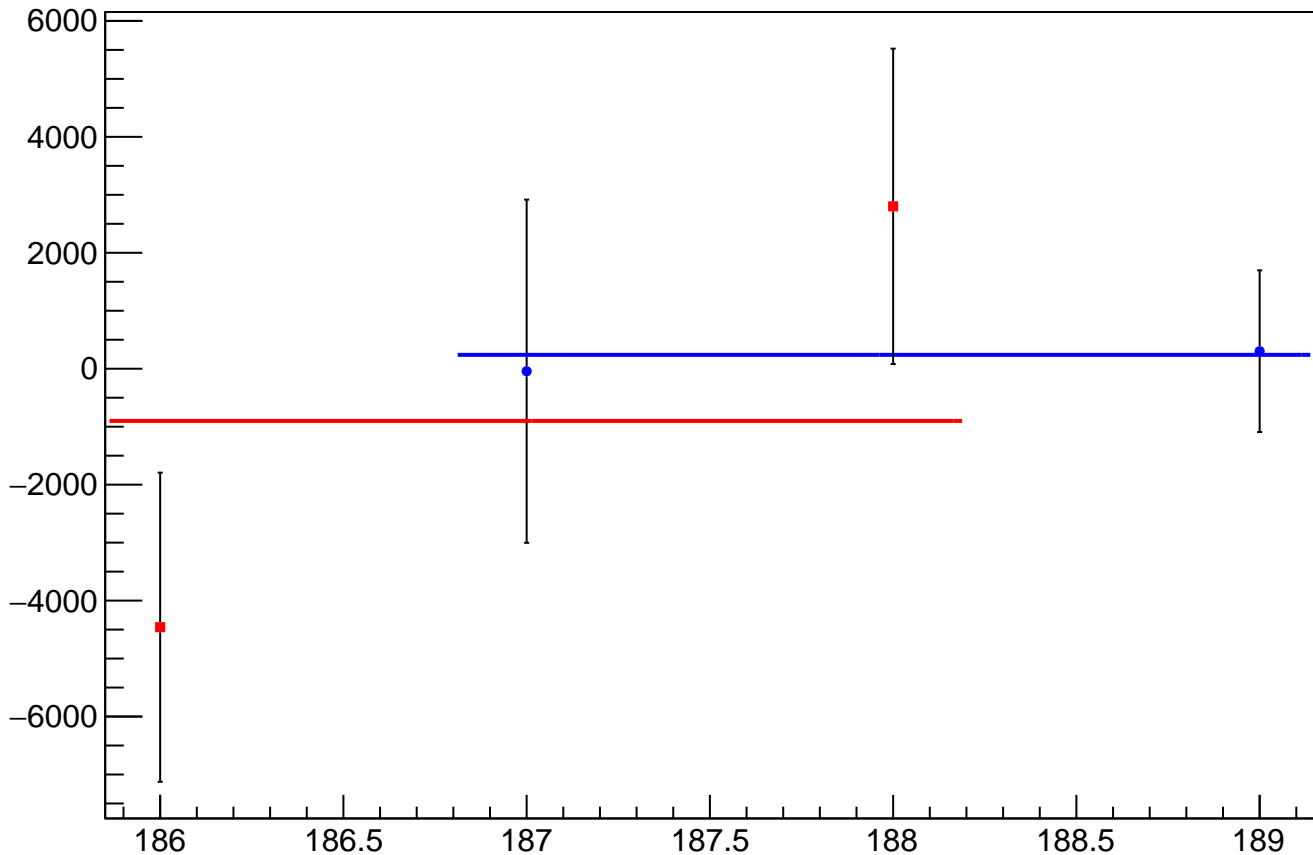
In: 98.737 $\pm$ 0.089  $\chi^2$ /NDF:876.6/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 104.006 $\pm$ 0.076  $\chi^2$ /NDF: 425594.2/3



asym\_sam\_15\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 239.574+/-1261.654  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -900.551+/-1904.169  $\chi^2$ /NDF: 3.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

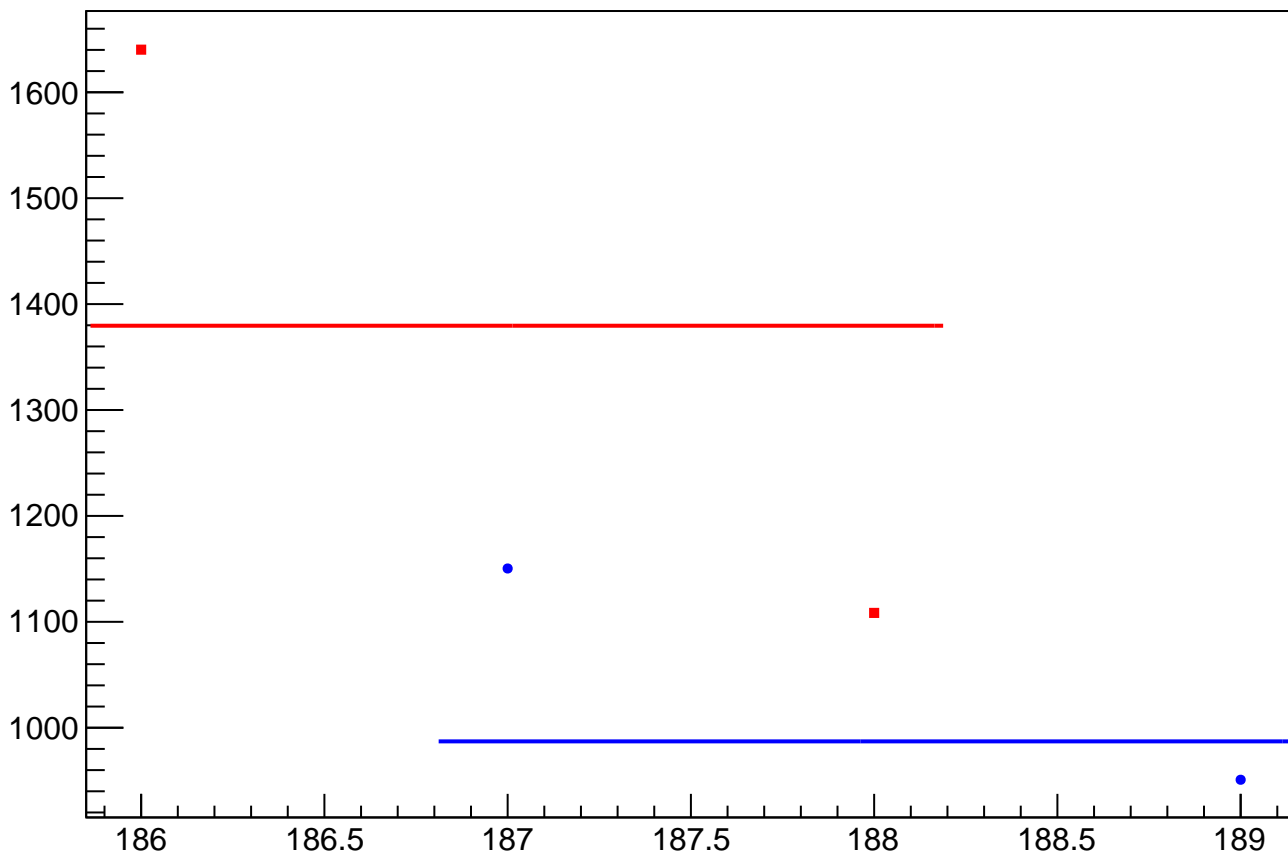
Right: -108.251+/-1051.742  $\chi^2$ /NDF: 3.9/3

In: 239.574+/-1261.654  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -108.251+/-1051.742  $\chi^2$ /NDF: 3.9/3

# asym\_sam\_15\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 987.124+/-0.892  $\chi^2$ /NDF: 7432.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1379.571+/-1.346  $\chi^2$ /NDF: 38984.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

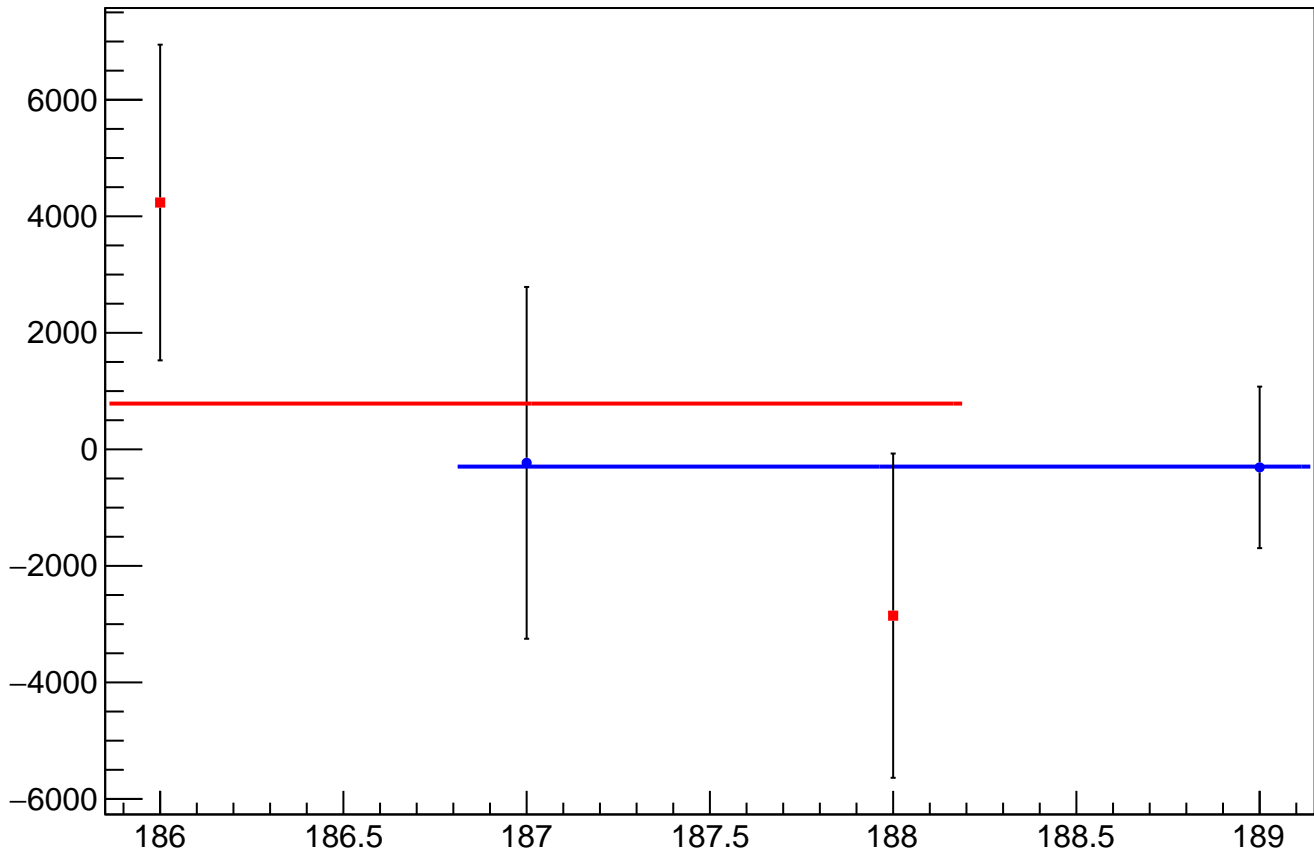
Right: 1106.850+/-0.744  $\chi^2$ /NDF: 105453.3/3

In: 987.124+/-0.892  $\chi^2$ /NDF:7432.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1106.850+/-0.744  $\chi^2$ /NDF: 105453.3/3

# asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In: -295.819+/-1259.520  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 785.696+/-1941.217  $\chi^2/\text{NDF}$ : 3.3/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

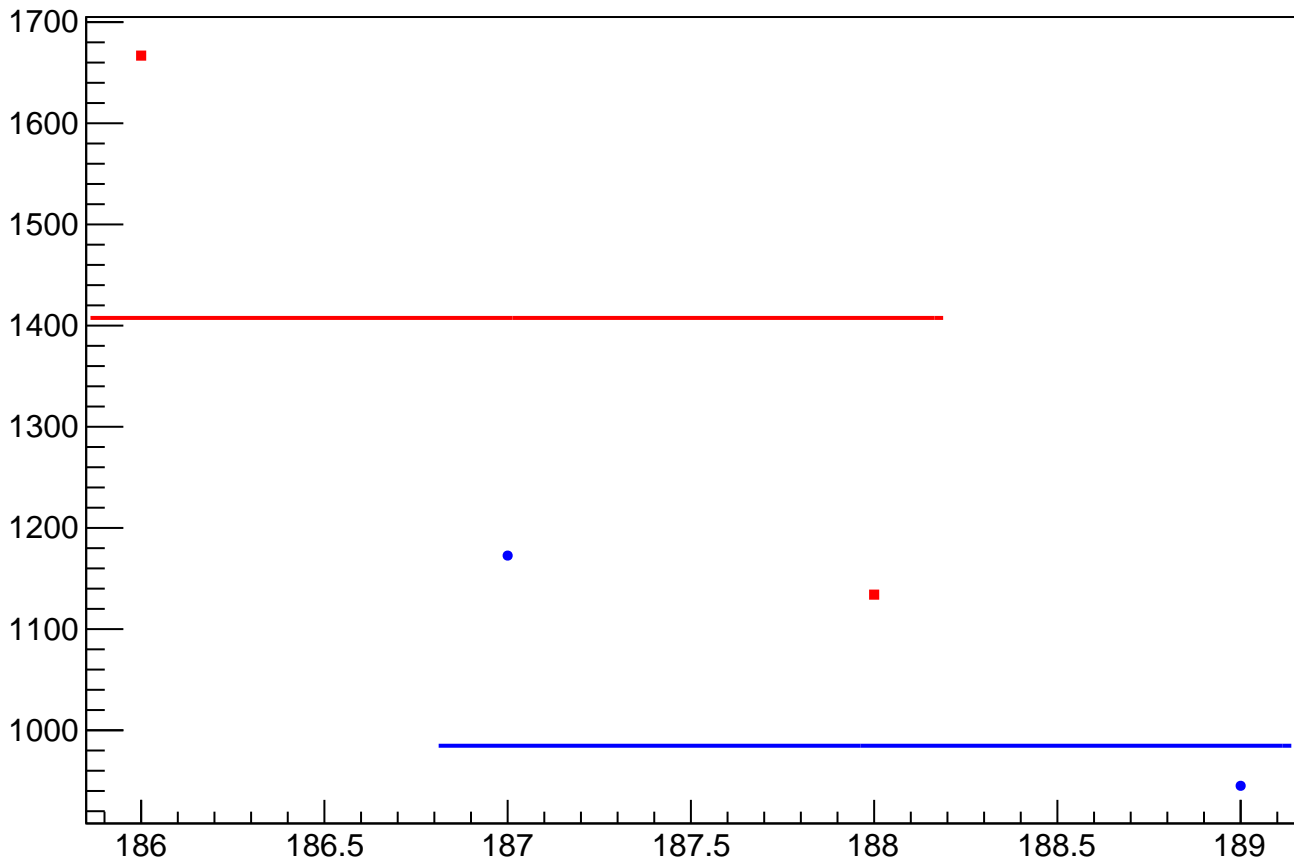
Right: 24.592+/-1056.601  $\chi^2/\text{NDF}$ : 3.6/3

In: -295.819+/-1259.520  $\chi^2/\text{NDF}$ : 0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 24.592+/-1056.601  $\chi^2/\text{NDF}$ : 3.6/3

# asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 984.711+/-0.891  $\chi^2$ /NDF: 9385.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1407.590+/-1.373  $\chi^2$ /NDF: 37641.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

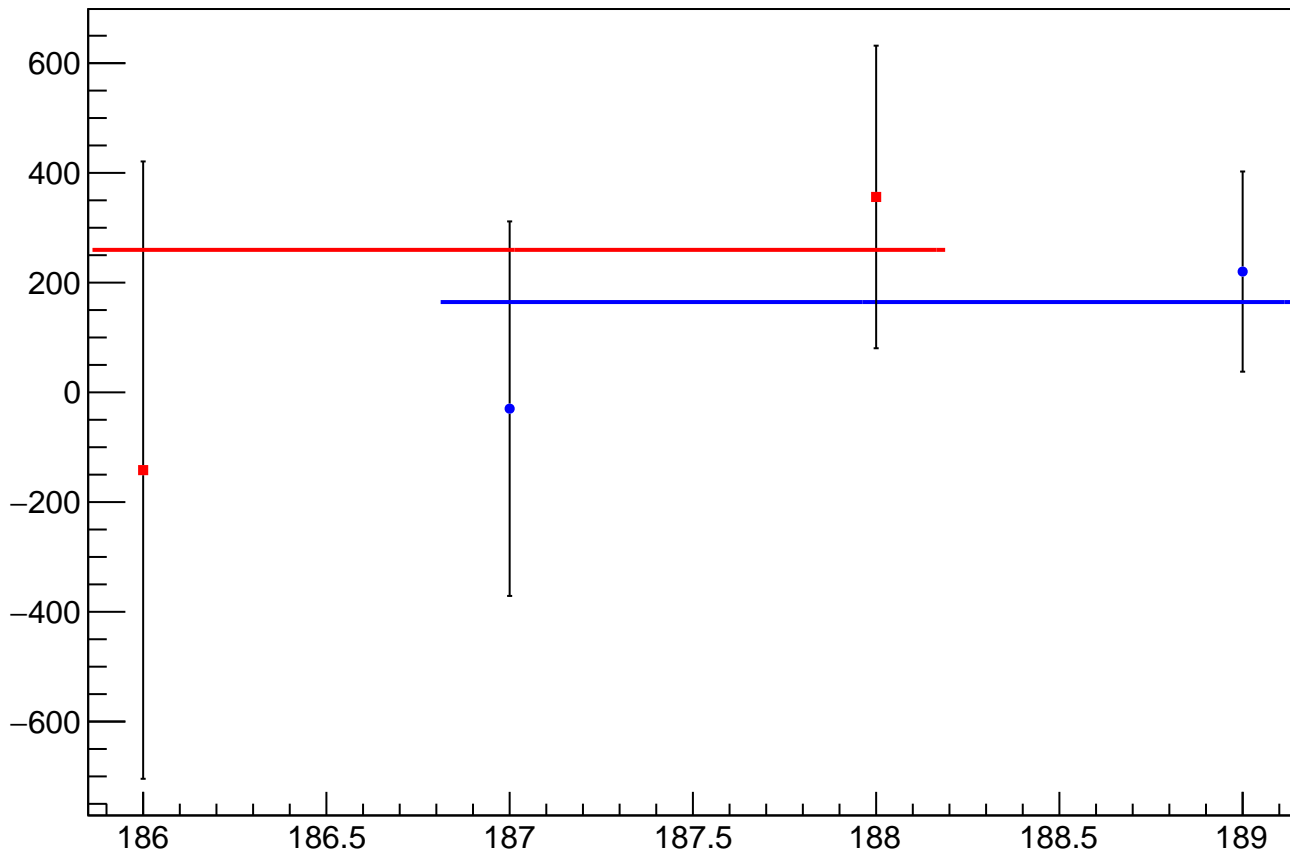
Right: 1109.993+/-0.747  $\chi^2$ /NDF: 113818.4/3

In: 984.711+/-0.891  $\chi^2$ /NDF:9385.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1109.993+/-0.747  $\chi^2$ /NDF: 113818.4/3

# dit\_asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 164.586+/-160.902  $\chi^2/\text{NDF}$ : 0.4/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 259.700+/-247.604  $\chi^2/\text{NDF}$ : 0.6/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

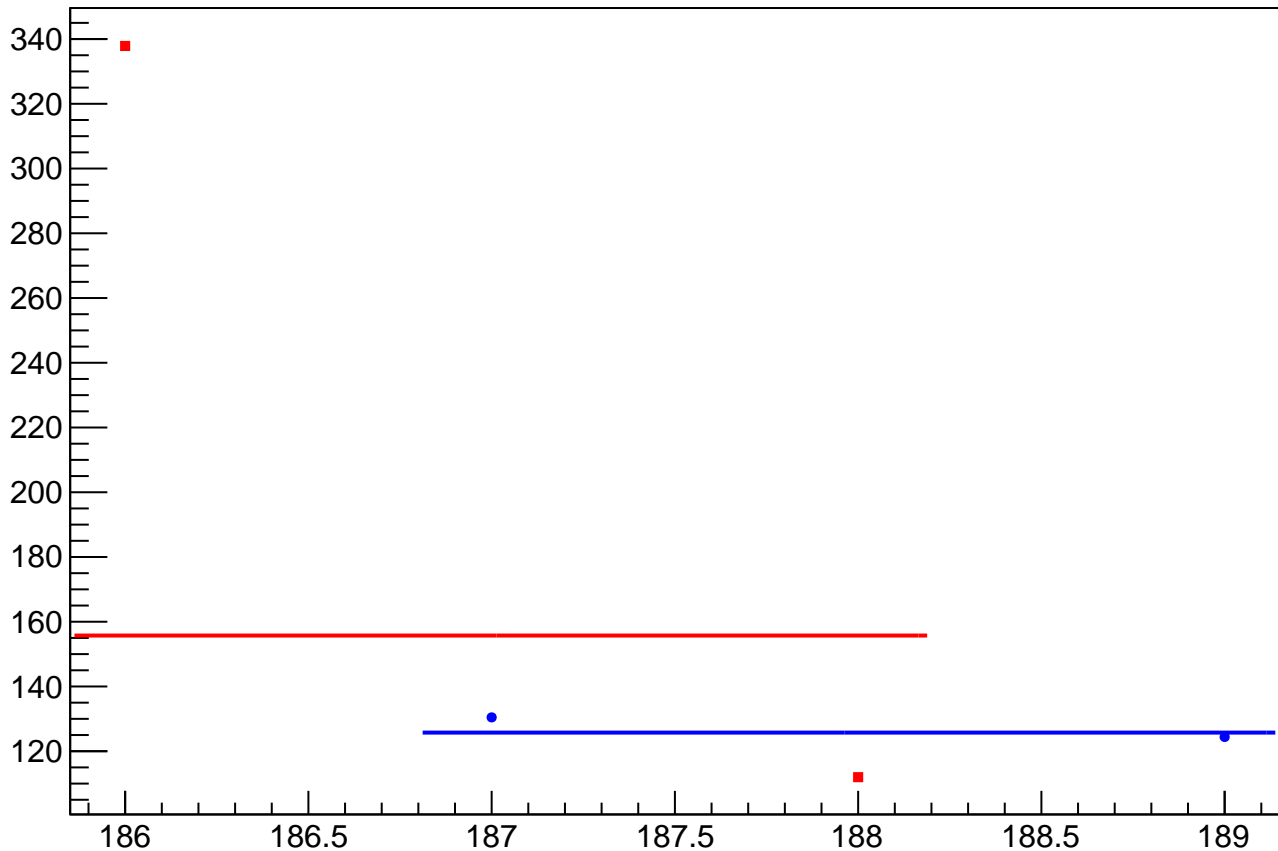
Right: 192.826+/-134.918  $\chi^2/\text{NDF}$ : 1.2/3

In: 164.586+/-160.902  $\chi^2/\text{NDF}$ :0.4/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 192.826+/-134.918  $\chi^2/\text{NDF}$ : 1.2/3

# dit\_asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 125.751+/-0.114  $\chi^2/\text{NDF}$ : 488.1/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 155.735+/-0.175  $\chi^2/\text{NDF}$ : 259953.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

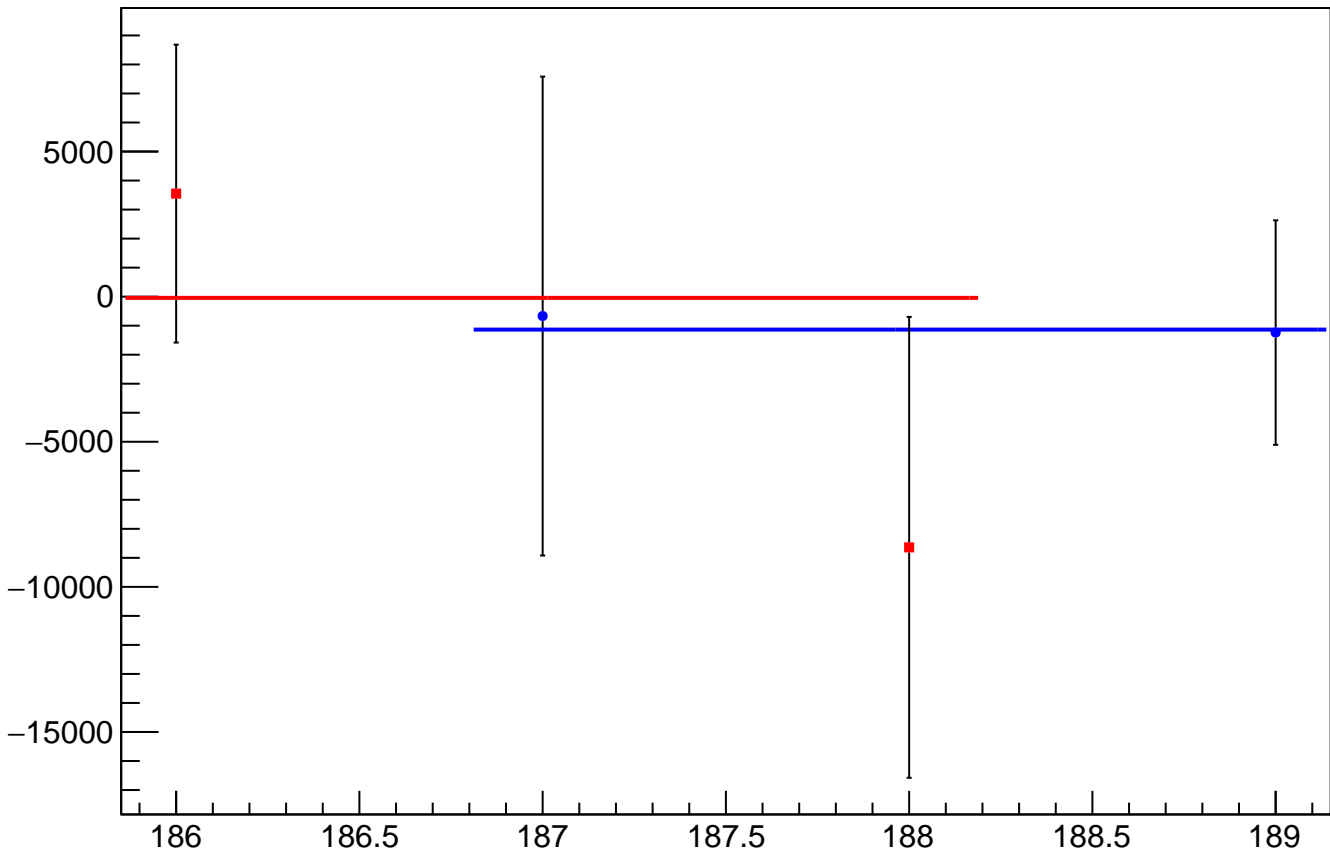
Right: 134.653+/-0.095  $\chi^2/\text{NDF}$ : 281061.4/3

In: 125.751+/-0.114  $\chi^2/\text{NDF}$ :488.1/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 134.653+/-0.095  $\chi^2/\text{NDF}$ : 281061.4/3

asym\_sam\_24\_68\_dd\_correction\_mean vs Slug, Sign Corrected



Right In:  $-1135.470 \pm 3502.113$   $\chi^2/\text{NDF}: 0.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-41.766 \pm 4310.108$   $\chi^2/\text{NDF}: 1.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

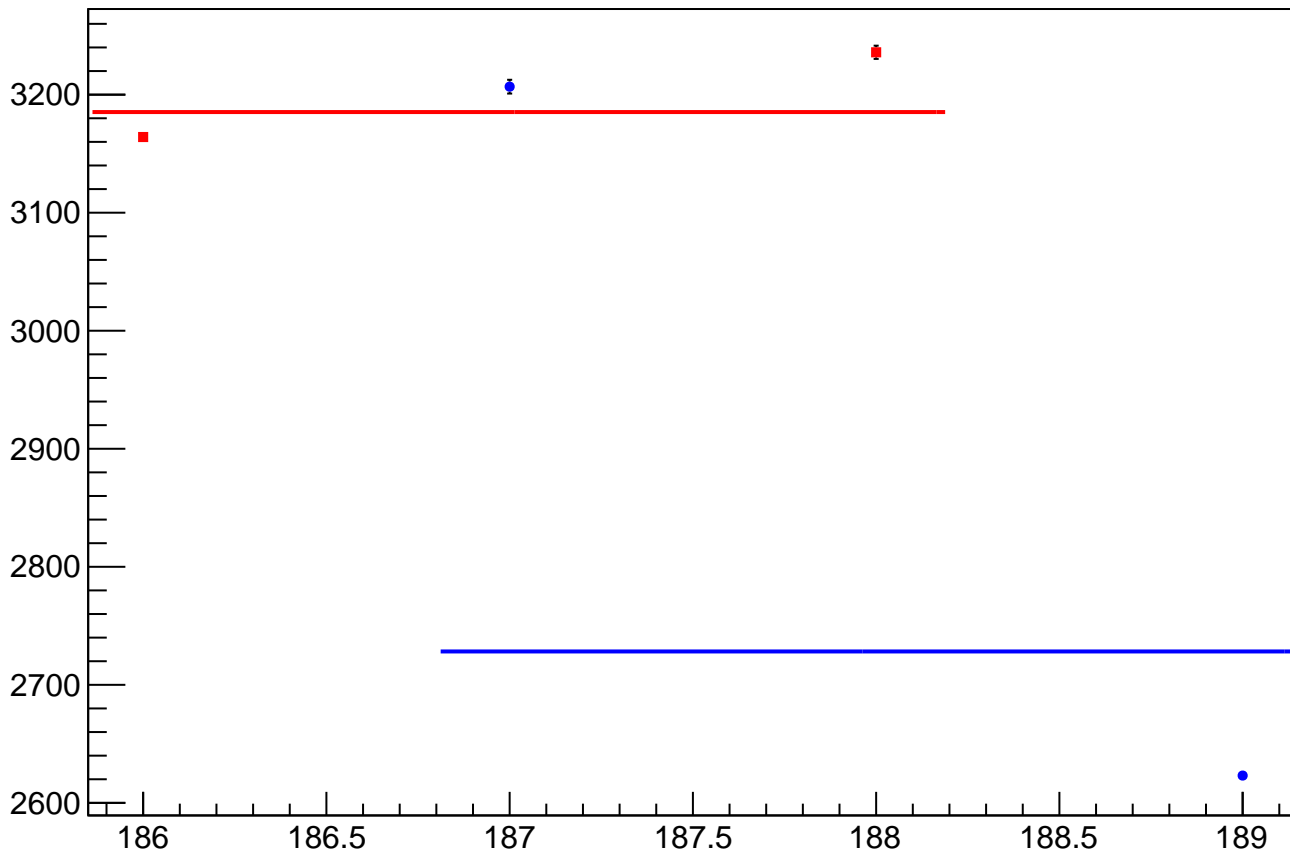
Right:  $-700.540 \pm 2717.992$   $\chi^2/\text{NDF}: 1.7/3$

In:  $-1135.470 \pm 3502.113$   $\chi^2/\text{NDF}: 0.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-700.540 \pm 2717.992$   $\chi^2/\text{NDF}: 1.7/3$

# asym\_sam\_24\_68\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 2728.278+/-2.476  $\chi^2$ /NDF: 8204.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3185.266+/-3.048  $\chi^2$ /NDF: 115.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 2910.007+/-1.922  $\chi^2$ /NDF: 21862.6/3

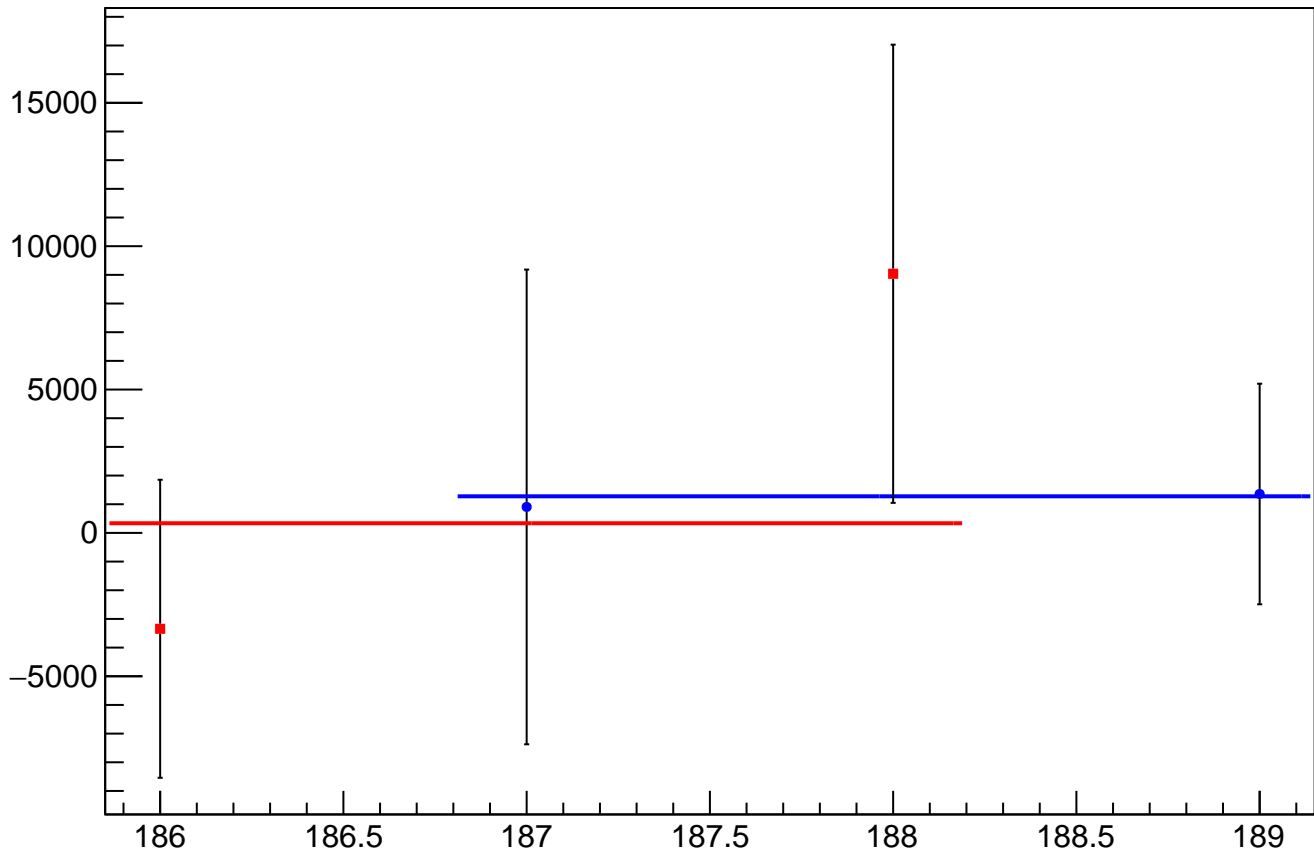
In: 2728.278+/-2.476  $\chi^2$ /NDF:8204.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2910.007+/-1.922  $\chi^2$ /NDF: 21862.6/3



# asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 1276.589+/-3488.776  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 336.960+/-4356.692  $\chi^2$ /NDF: 1.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

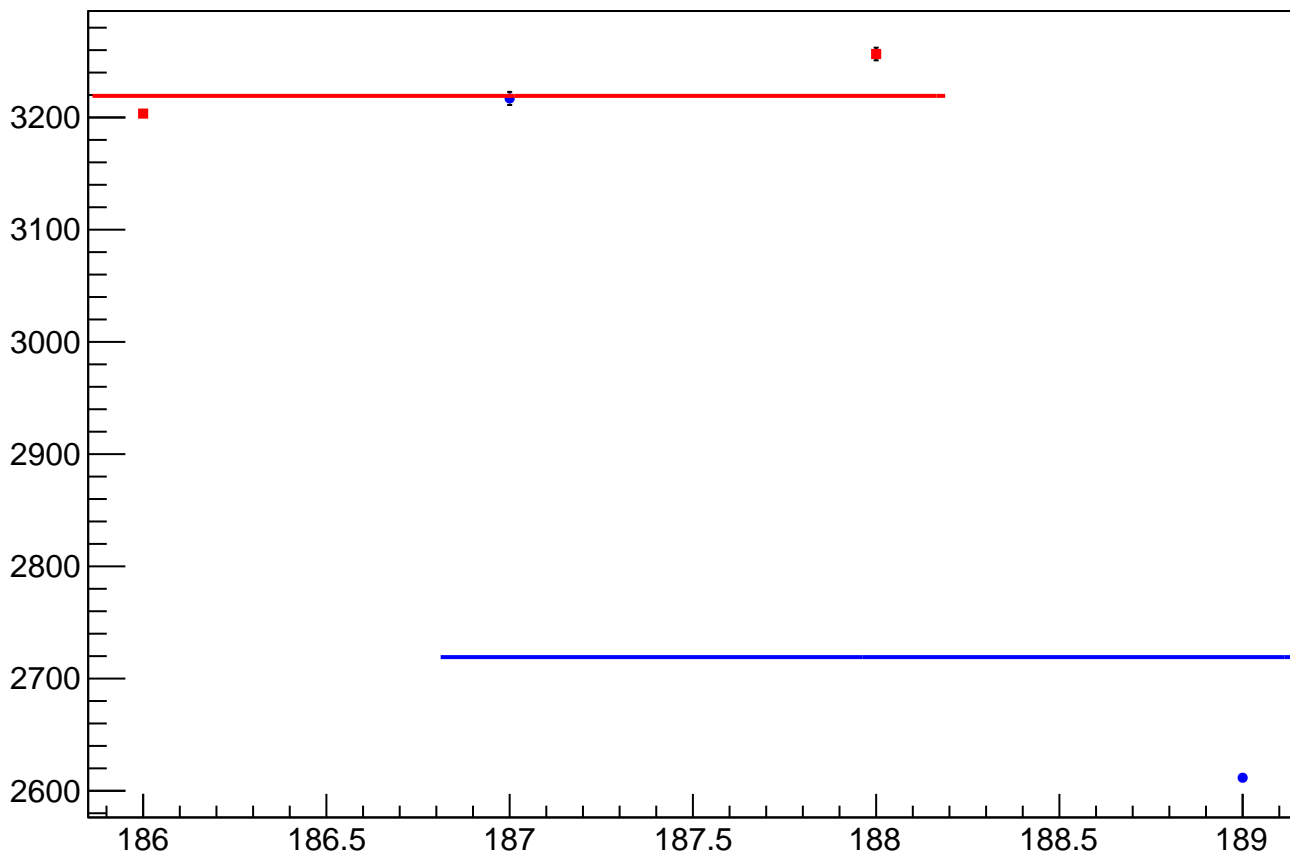
Right: 909.465+/-2723.232  $\chi^2$ /NDF: 1.7/3

In: 1276.589+/-3488.776  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 909.465+/-2723.232  $\chi^2$ /NDF: 1.7/3

# asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 2719.133+/-2.467  $\chi^2$ /NDF: 8793.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3219.233+/-3.081  $\chi^2$ /NDF: 62.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

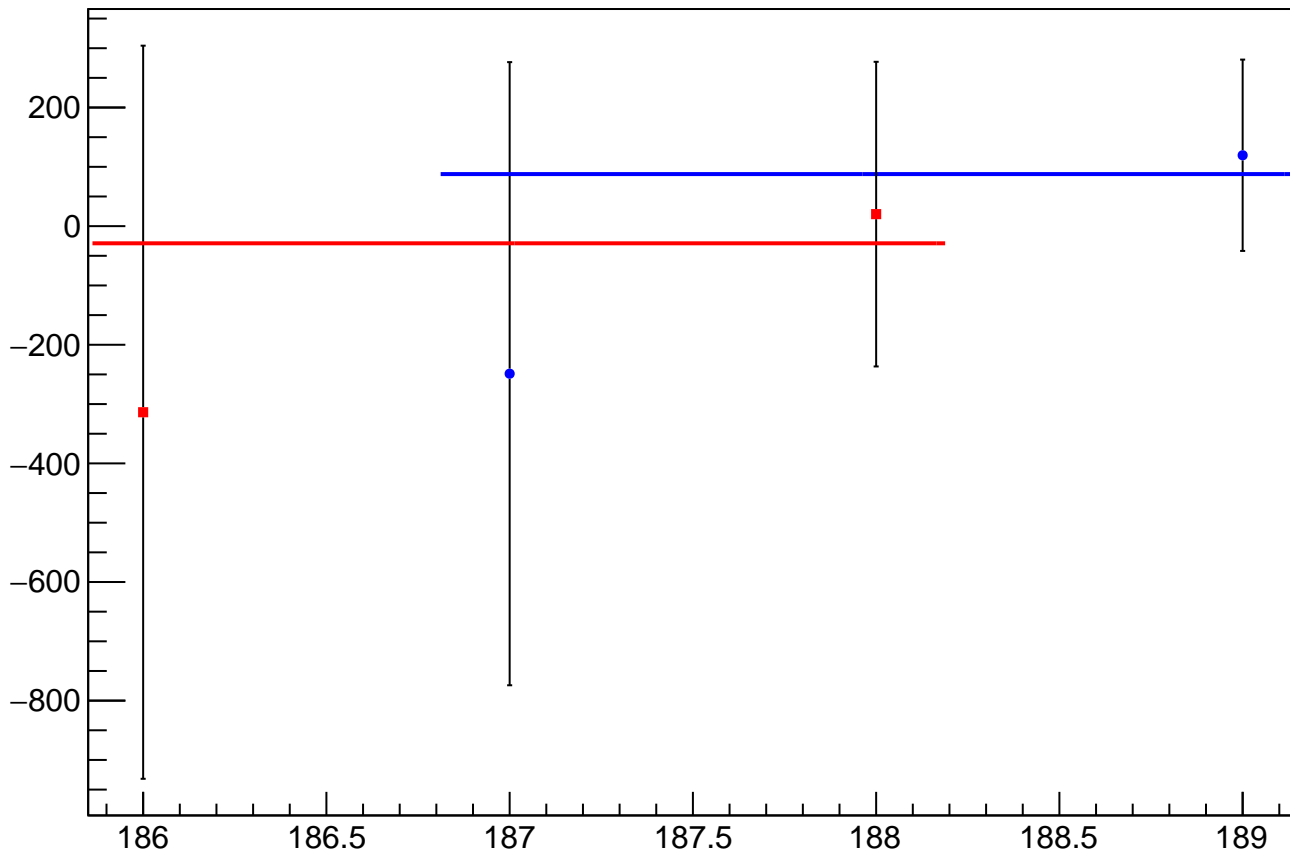
Right: 2914.527+/-1.926  $\chi^2$ /NDF: 24912.0/3

In: 2719.133+/-2.467  $\chi^2$ /NDF:8793.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2914.527+/-1.926  $\chi^2$ /NDF: 24912.0/3

# dit\_asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 87.779+/-154.187  $\chi^2/\text{NDF}$ : 0.4/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -28.930+/-237.164  $\chi^2/\text{NDF}$ : 0.2/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

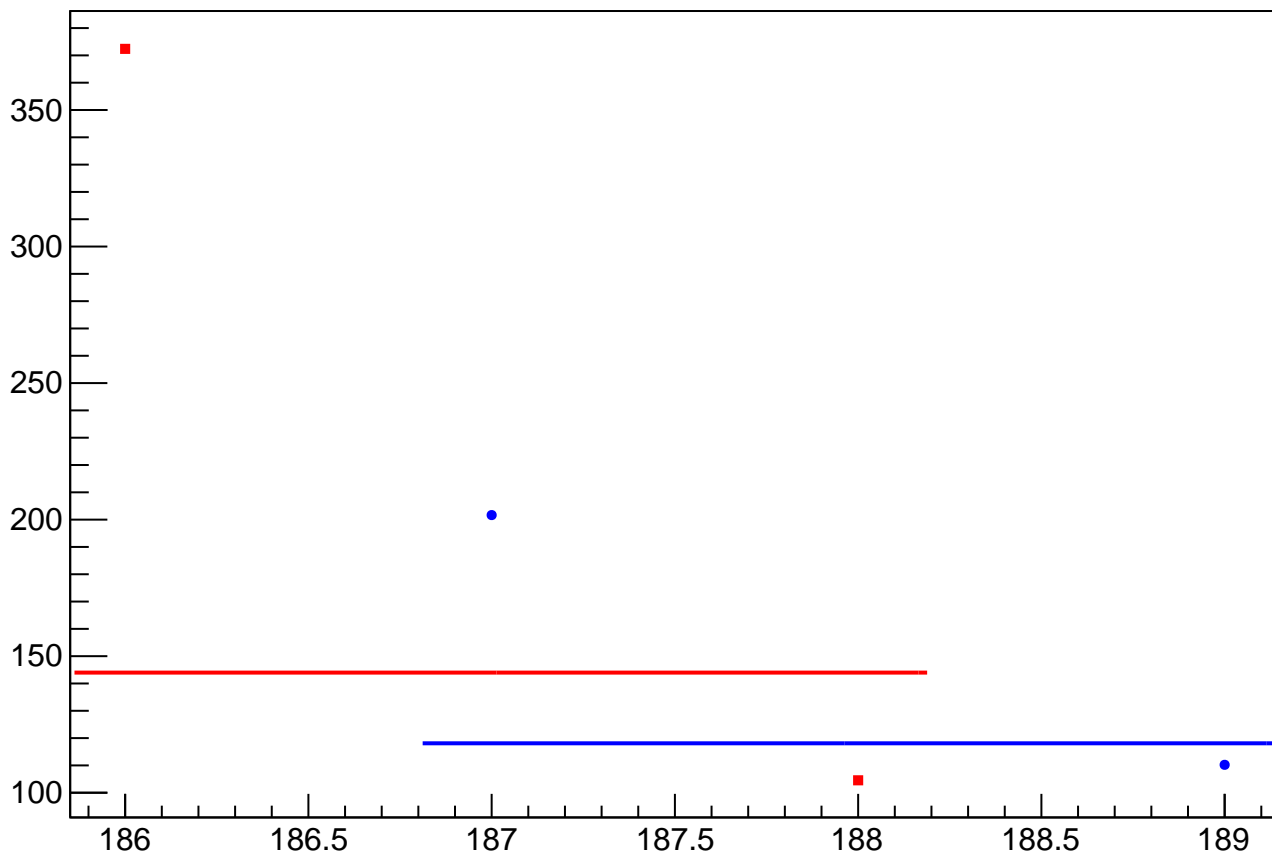
Right: 53.105+/-129.270  $\chi^2/\text{NDF}$ : 0.9/3

In: 87.779+/-154.187  $\chi^2/\text{NDF}$ : 0.4/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 53.105+/-129.270  $\chi^2/\text{NDF}$ : 0.9/3

# dit\_asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 118.096+/-0.109  $\chi^2$ /NDF: 55389.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 143.987+/-0.168  $\chi^2$ /NDF: 320311.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

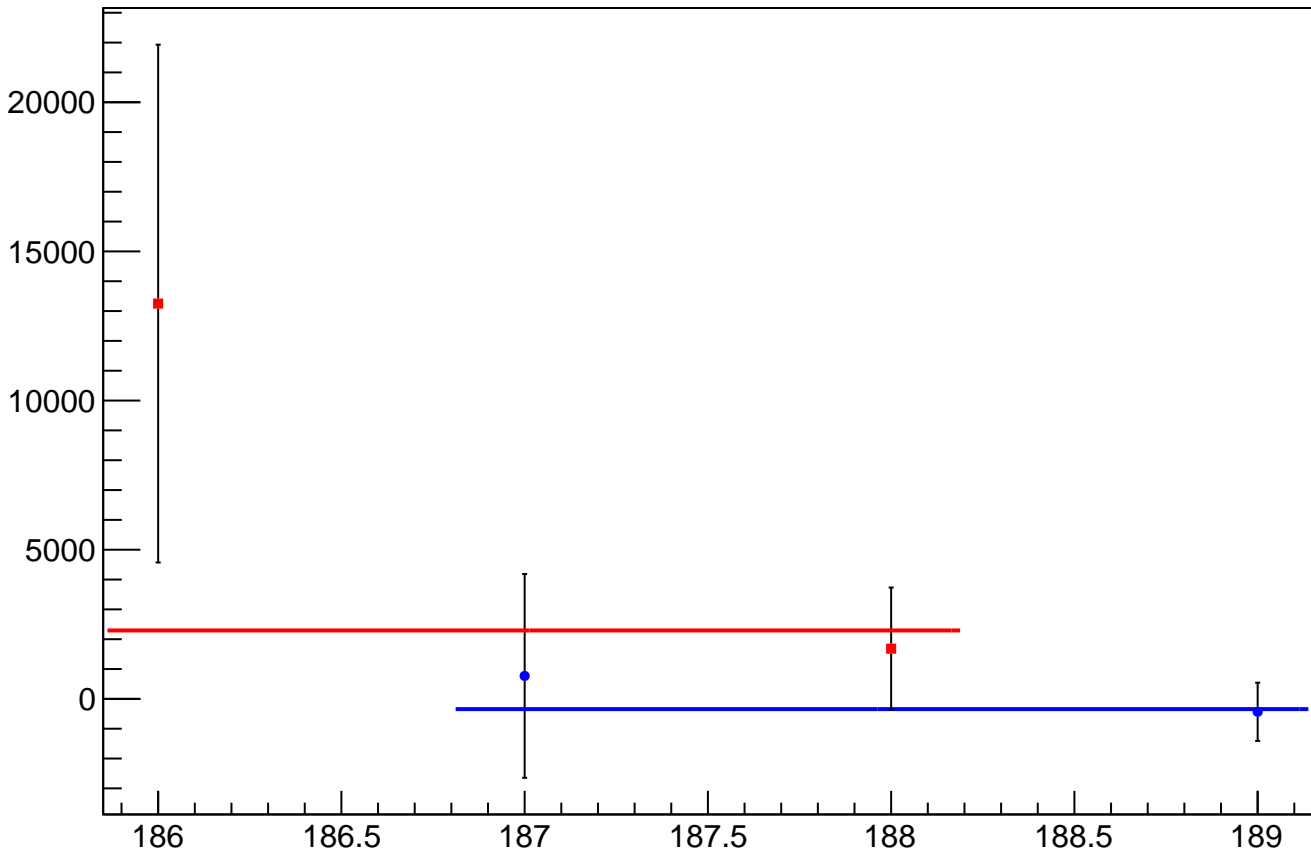
Right: 125.788+/-0.091  $\chi^2$ /NDF: 392454.4/3

In: 118.096+/-0.109  $\chi^2$ /NDF:55389.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 125.788+/-0.091  $\chi^2$ /NDF: 392454.4/3

asym\_sam\_26\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -343.127+/-938.690  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2293.995+/-1994.263  $\chi^2$ /NDF: 1.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

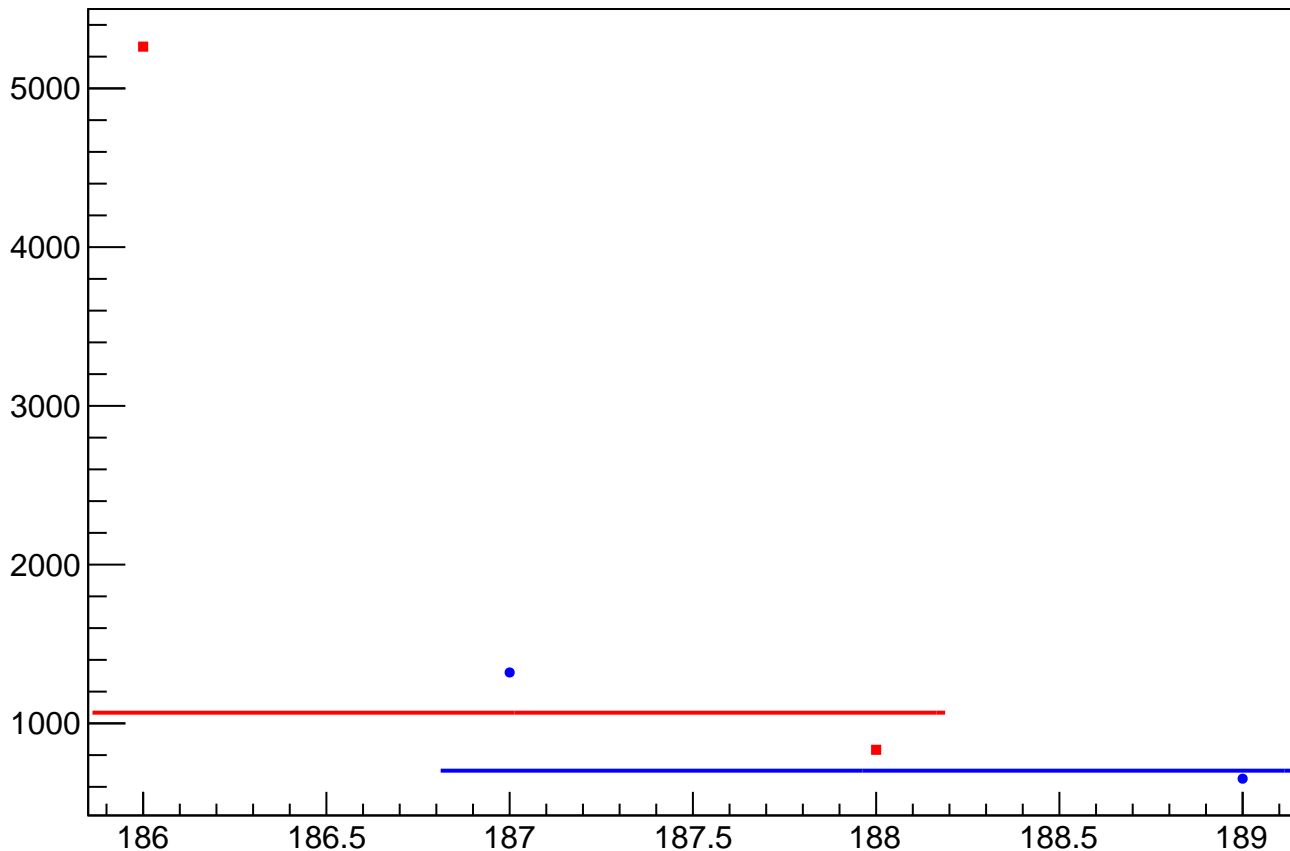
Right: 135.169+/-849.309  $\chi^2$ /NDF: 3.2/3

In: -343.127+/-938.690  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 135.169+/-849.309  $\chi^2$ /NDF: 3.2/3

asym\_sam\_26\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 701.998+/-0.664  $\chi^2$ /NDF: 70987.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1067.315+/-1.410  $\chi^2$ /NDF: 493410.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

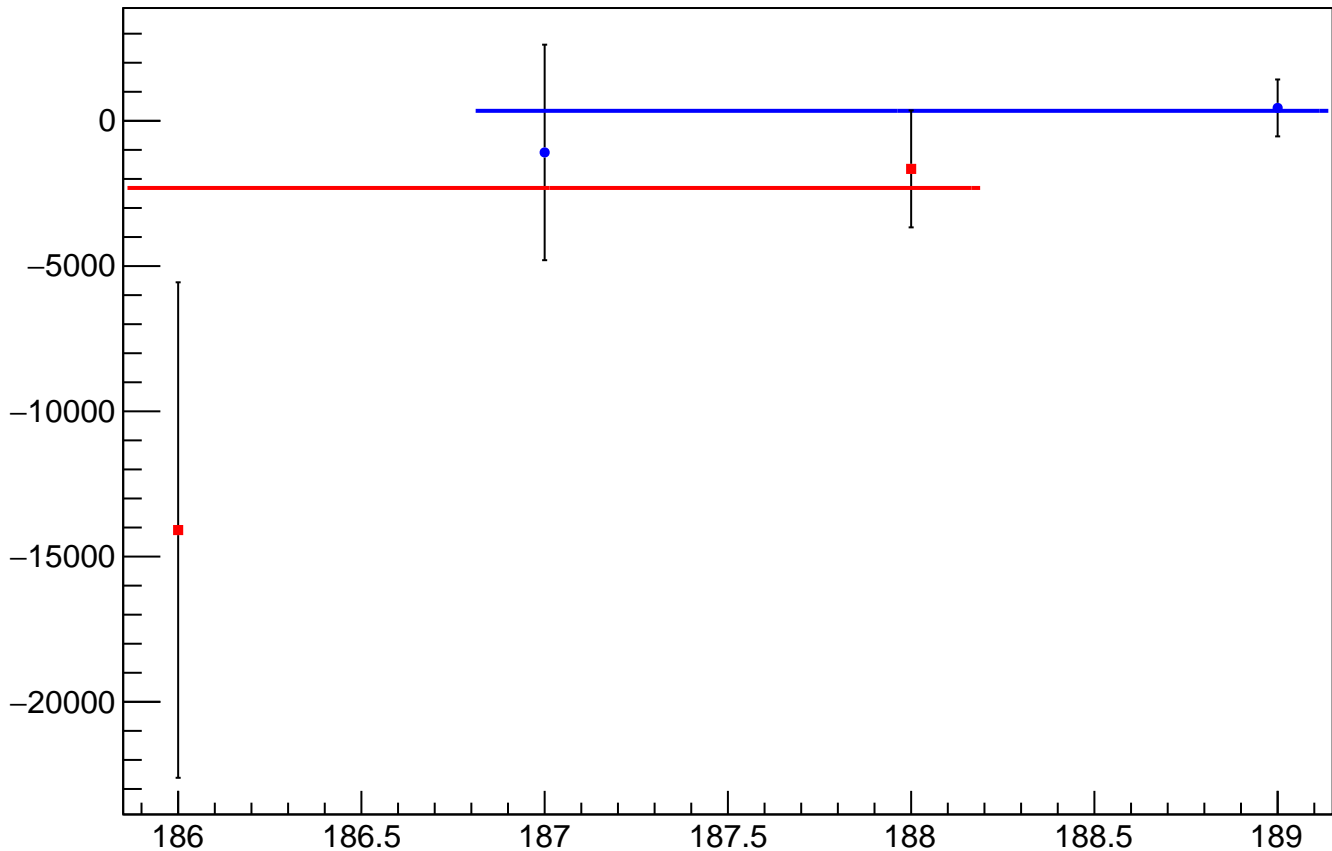
Right: 768.256+/-0.601  $\chi^2$ /NDF: 619337.4/3

In: 701.998+/-0.664  $\chi^2$ /NDF:70987.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 768.256+/-0.601  $\chi^2$ /NDF: 619337.4/3

# asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 344.326+/-947.183  $\chi^2$ /NDF: 0.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2310.559+/-1958.918  $\chi^2$ /NDF: 2.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

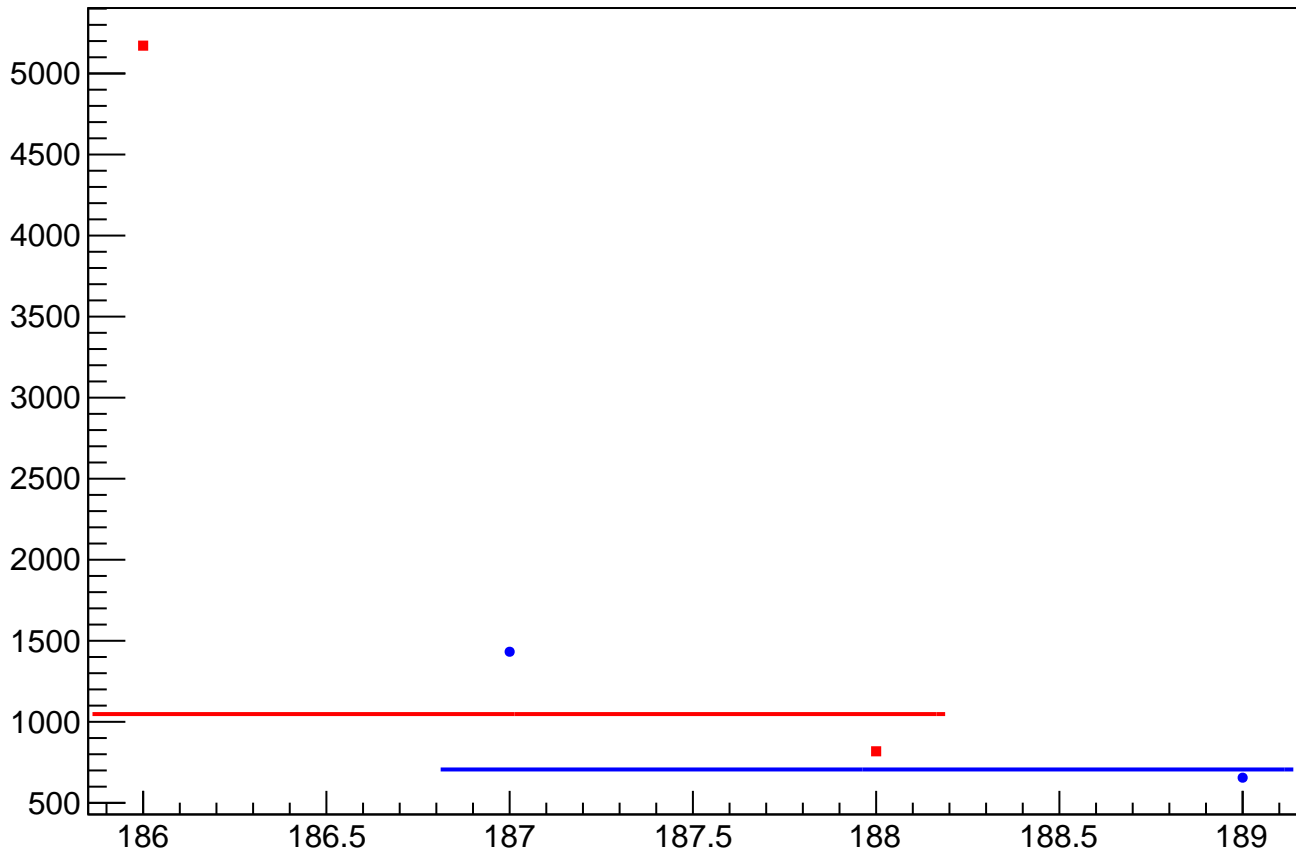
Right: -158.755+/-852.731  $\chi^2$ /NDF: 3.7/3

In: 344.326+/-947.183  $\chi^2$ /NDF:0.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -158.755+/-852.731  $\chi^2$ /NDF: 3.7/3

# asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 706.045+/-0.670  $\chi^2/\text{NDF}$ : 82030.2/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1047.864+/-1.385  $\chi^2/\text{NDF}$ : 493679.6/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 770.817+/-0.603  $\chi^2/\text{NDF}$ : 625066.4/3

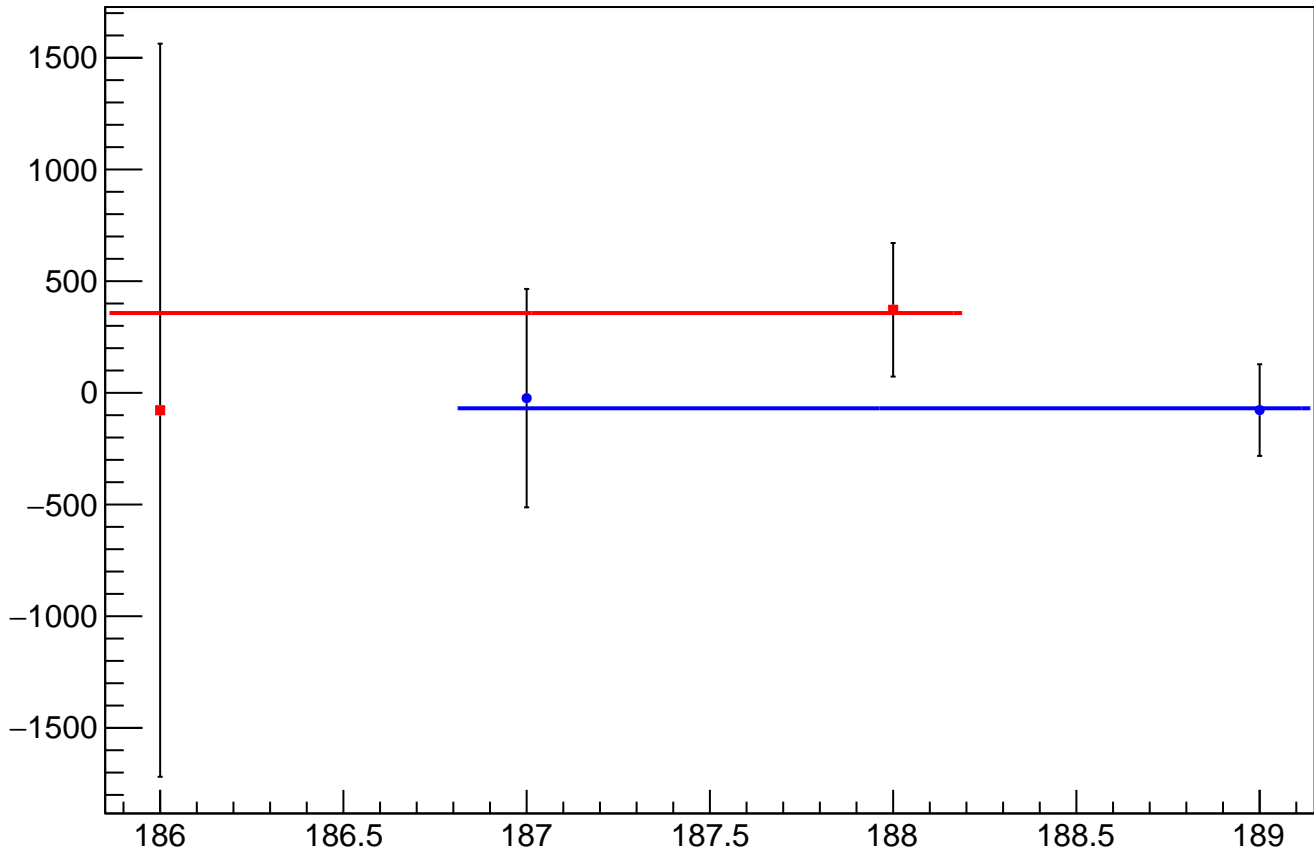
In: 706.045+/-0.670  $\chi^2/\text{NDF}$ : 82030.2/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 770.817+/-0.603  $\chi^2/\text{NDF}$ : 625066.4/3



# dit\_asym\_sam\_1548\_avg\_mean vs Slug, Sign Corrected



Right In: -69.145+/-189.183  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 357.377+/-294.170  $\chi^2/\text{NDF}$ : 0.1/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

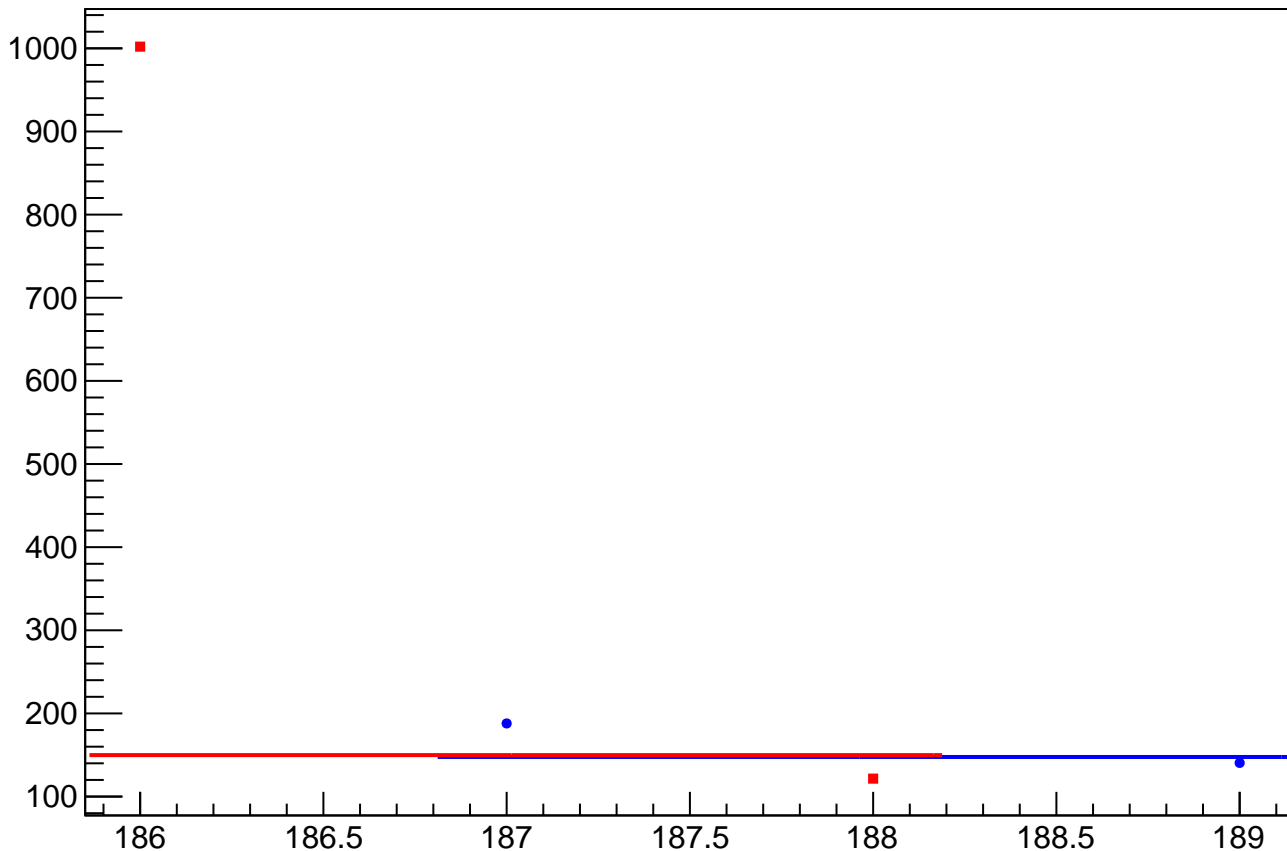
Right: 55.647+/-159.119  $\chi^2/\text{NDF}$ : 1.6/3

In: -69.145+/-189.183  $\chi^2/\text{NDF}$ : 0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 55.647+/-159.119  $\chi^2/\text{NDF}$ : 1.6/3

# dit\_asym\_sam\_1548\_avg\_rms vs Slug, Sign Corrected



Right In: 147.616+/-0.134  $\chi^2$ /NDF: 16009.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 149.877+/-0.208  $\chi^2$ /NDF: 557197.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

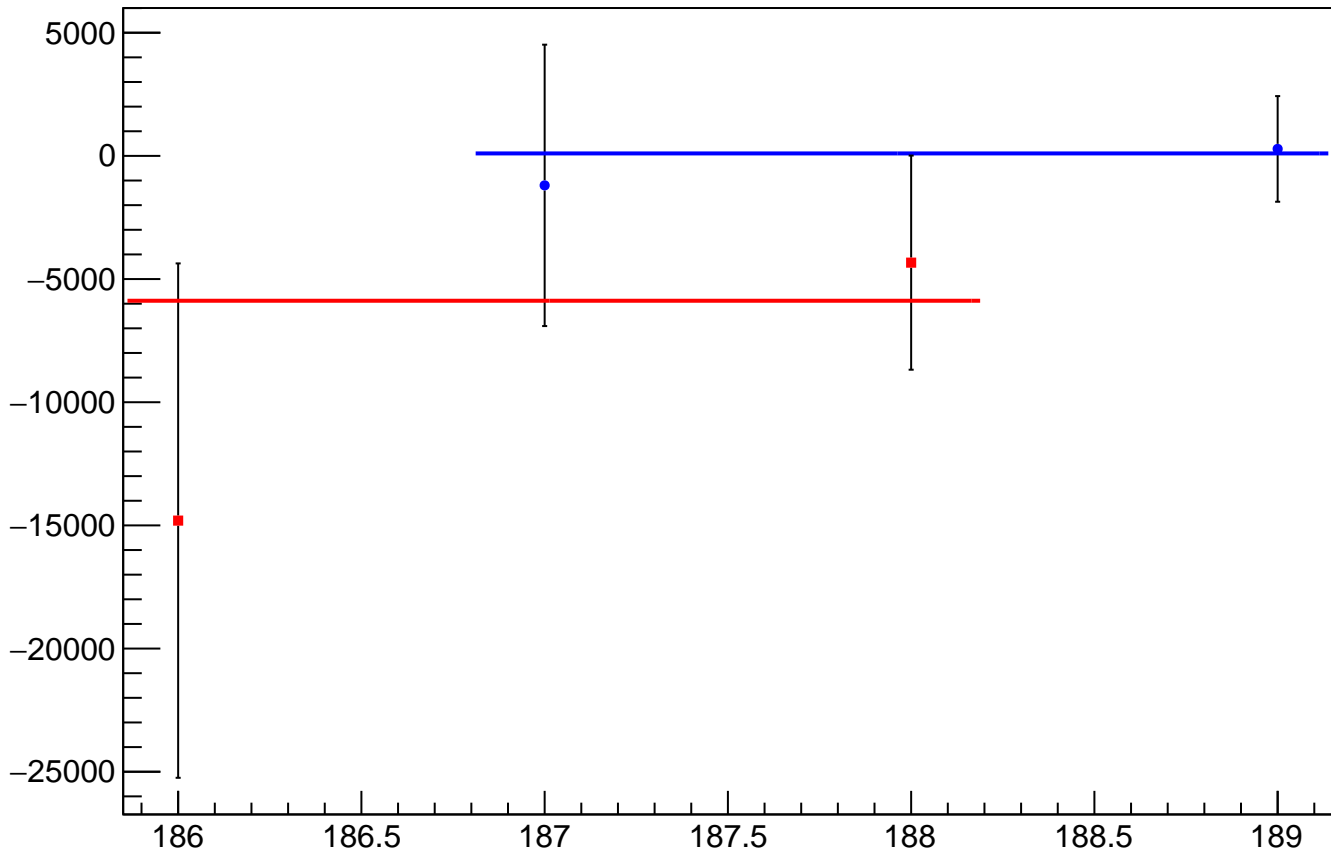
Right: 148.278+/-0.113  $\chi^2$ /NDF: 573290.5/3

In: 147.616+/-0.134  $\chi^2$ /NDF:16009.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 148.278+/-0.113  $\chi^2$ /NDF: 573290.5/3

asym\_sam\_1548\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 100.226+/-2007.506  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5880.394+/-4012.342  $\chi^2$ /NDF: 0.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

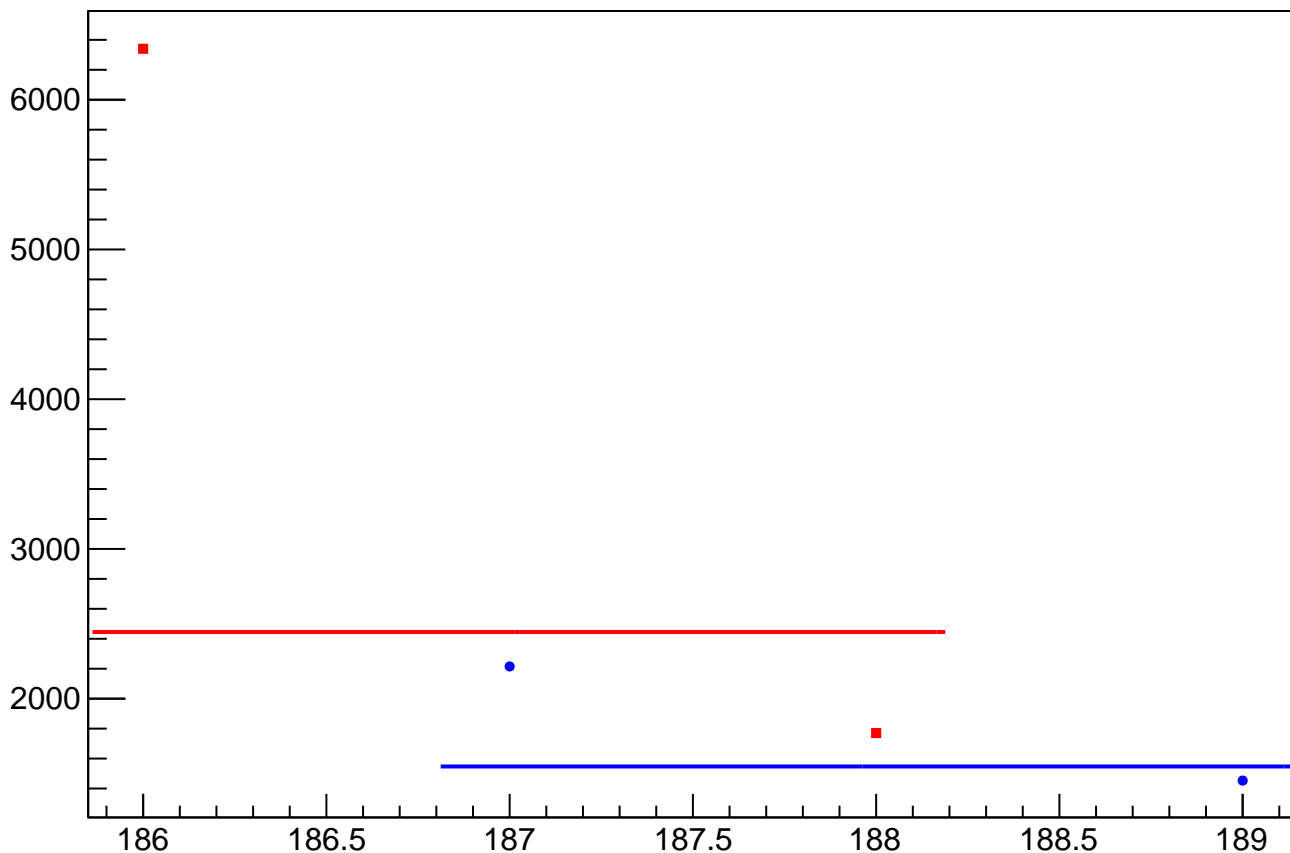
Right: -1097.171+/-1795.329  $\chi^2$ /NDF: 2.7/3

In: 100.226+/-2007.506  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1097.171+/-1795.329  $\chi^2$ /NDF: 2.7/3

# asym\_sam\_1548\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1547.168+/-1.420  $\chi^2$ /NDF: 31216.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2445.277+/-2.837  $\chi^2$ /NDF: 326582.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

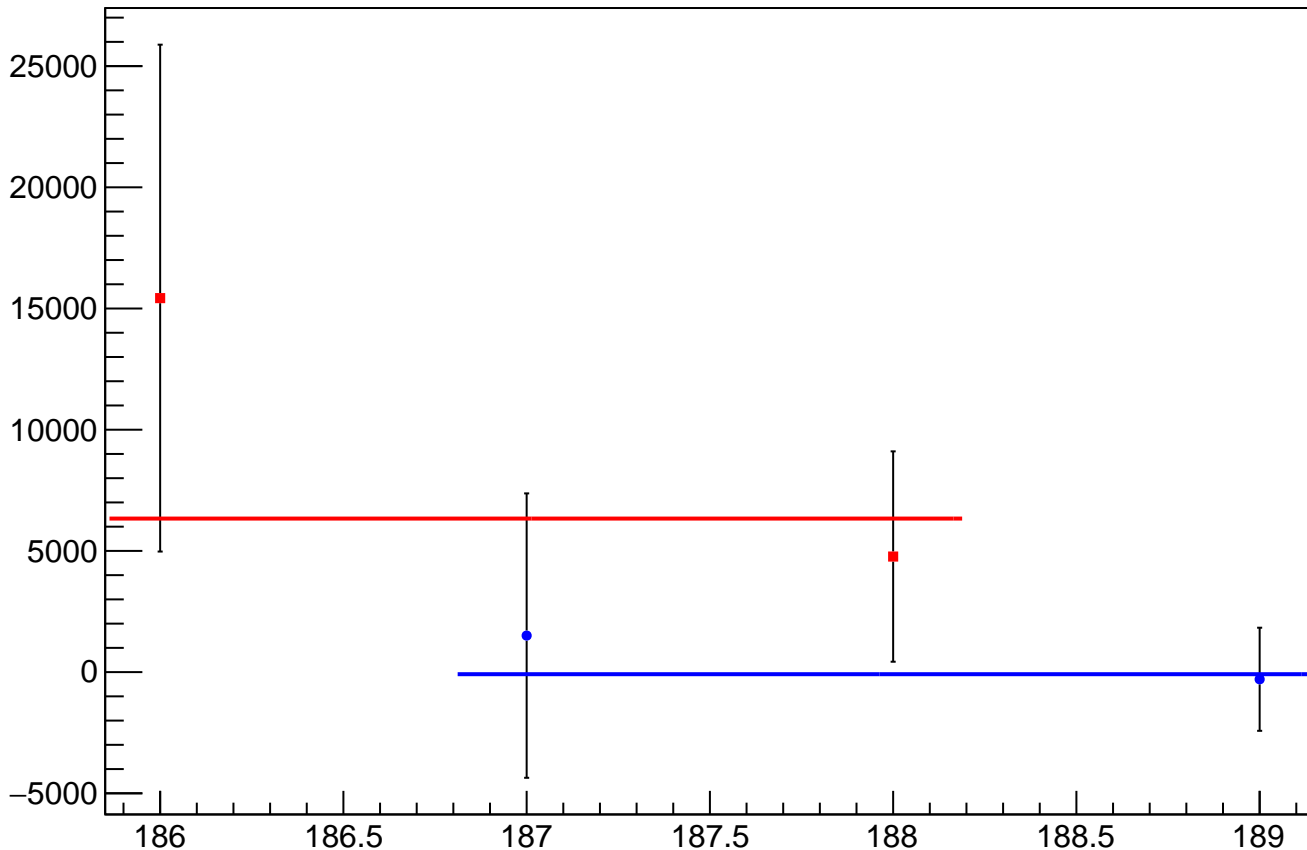
Right: 1726.981+/-1.269  $\chi^2$ /NDF: 437941.5/3

In: 1547.168+/-1.420  $\chi^2$ /NDF:31216.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1726.981+/-1.269  $\chi^2$ /NDF: 437941.5/3

# asym\_sam\_1548\_avg\_mean vs Slug, Sign Corrected



Right In: -86.056+/-1999.529  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6334.138+/-4007.878  $\chi^2$ /NDF: 0.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

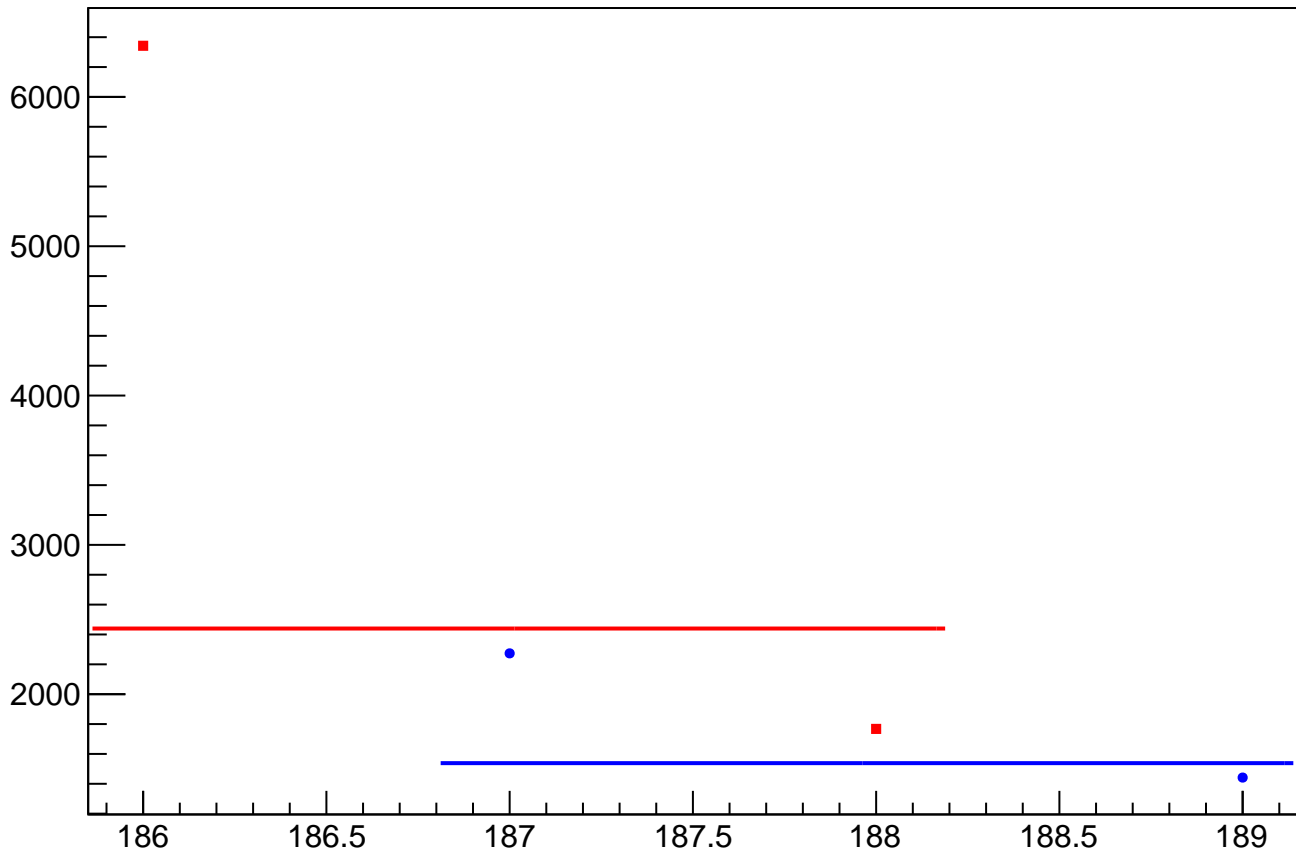
Right: 1193.463+/-1789.220  $\chi^2$ /NDF: 3.0/3

In: -86.056+/-1999.529  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1193.463+/-1789.220  $\chi^2$ /NDF: 3.0/3

# asym\_sam\_1548\_avg\_rms vs Slug, Sign Corrected



Right In: 1538.277+/-1.414  $\chi^2/\text{NDF}$ : 35542.6/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2439.811+/-2.834  $\chi^2/\text{NDF}$ : 326639.1/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

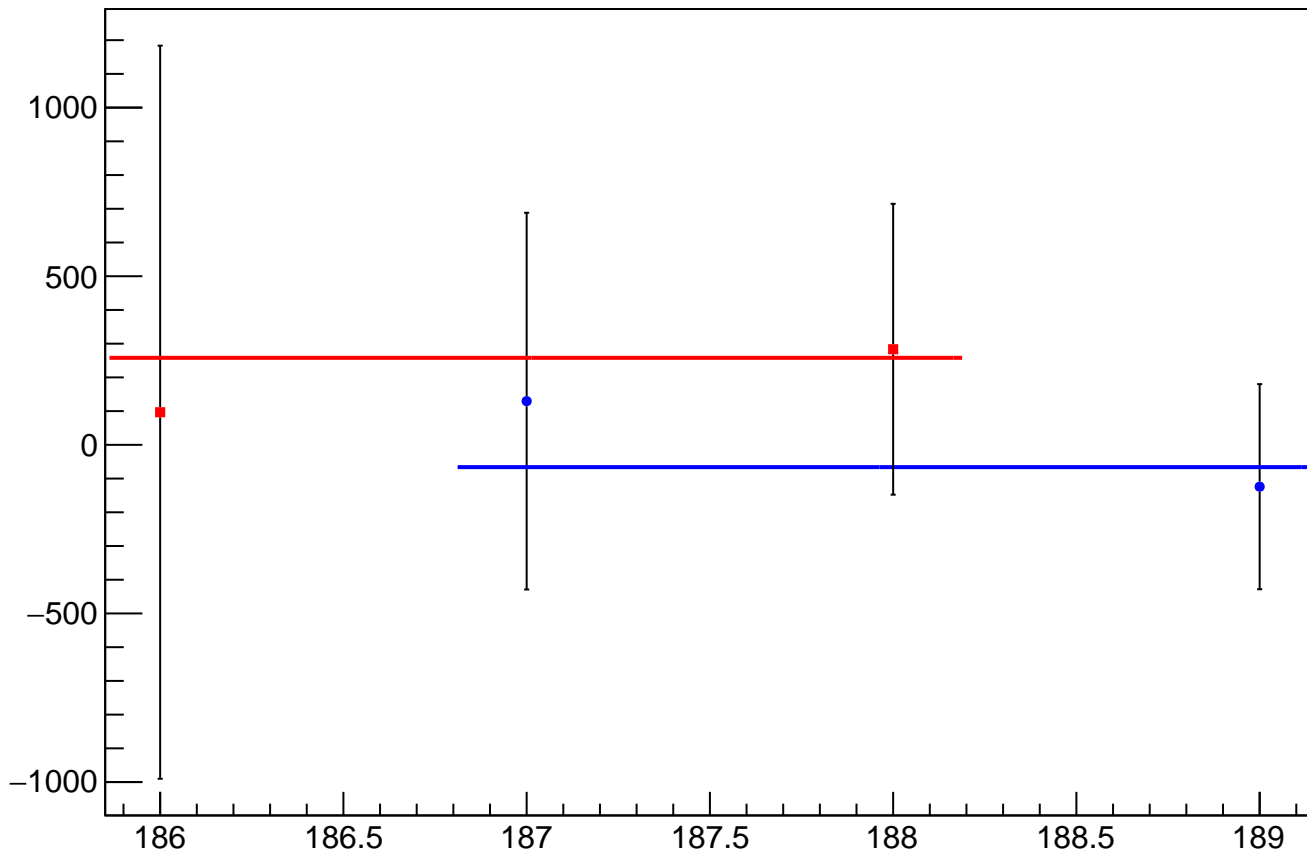
Right: 1717.950+/-1.265  $\chi^2/\text{NDF}$ : 443210.1/3

In: 1538.277+/-1.414  $\chi^2/\text{NDF}$ : 35542.6/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1717.950+/-1.265  $\chi^2/\text{NDF}$ : 443210.1/3

# dit\_asym\_sam\_3748\_avg\_mean vs Slug, Sign Corrected



Right In:  $-66.080 \pm 267.110$   $\chi^2/\text{NDF}: 0.2/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $258.052 \pm 400.837$   $\chi^2/\text{NDF}: 0.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

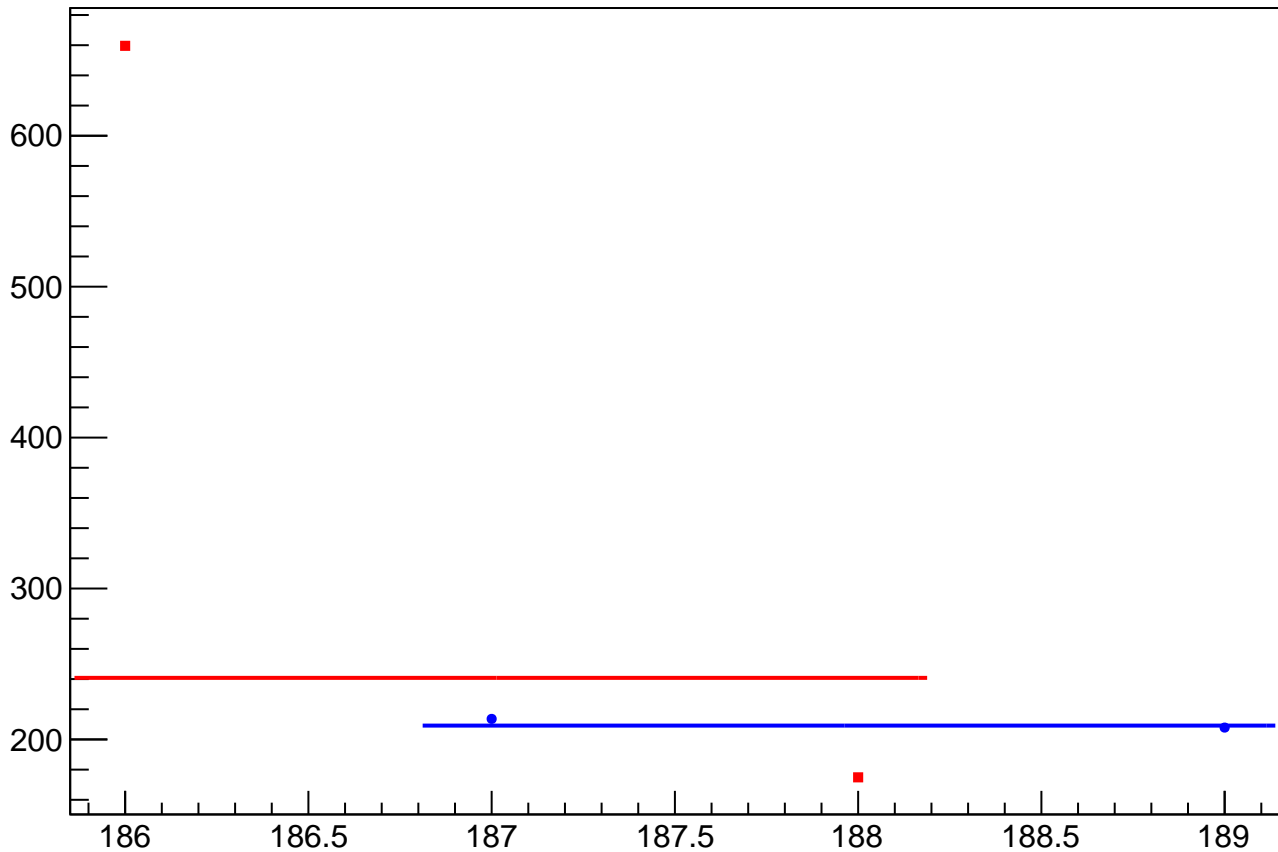
Right:  $33.594 \pm 222.279$   $\chi^2/\text{NDF}: 0.6/3$

In:  $-66.080 \pm 267.110$   $\chi^2/\text{NDF}: 0.2/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $33.594 \pm 222.279$   $\chi^2/\text{NDF}: 0.6/3$

# dit\_asym\_sam\_3748\_avg\_rms vs Slug, Sign Corrected



Right In: 209.172+/-0.189  $\chi^2$ /NDF: 163.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 240.798+/-0.283  $\chi^2$ /NDF: 343587.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 218.897+/-0.157  $\chi^2$ /NDF: 352372.9/3

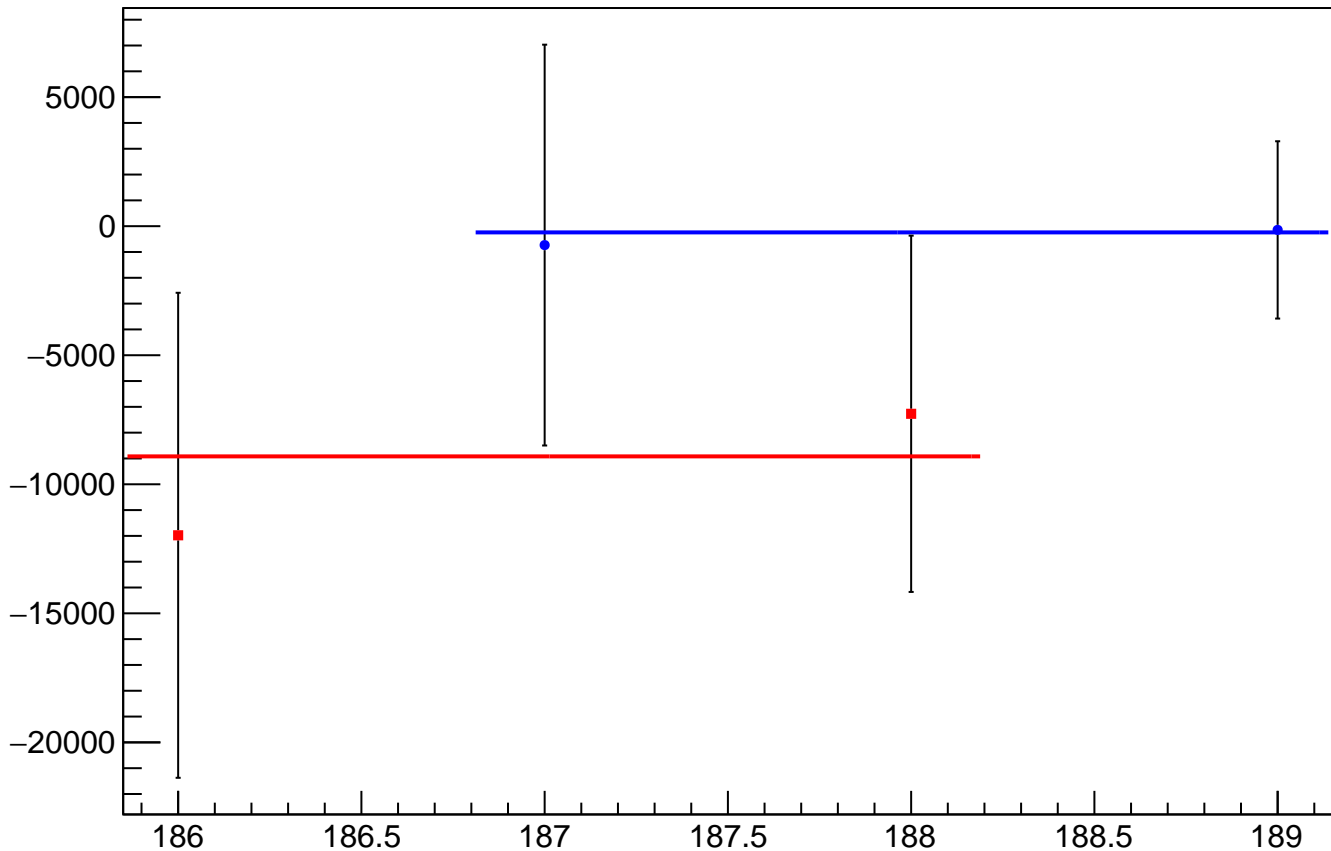
In: 209.172+/-0.189  $\chi^2$ /NDF:163.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 218.897+/-0.157  $\chi^2$ /NDF: 352372.9/3



asym\_sam\_3748\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -240.879+/-3141.309  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -8919.170+/-5562.592  $\chi^2/\text{NDF}$ : 0.2/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

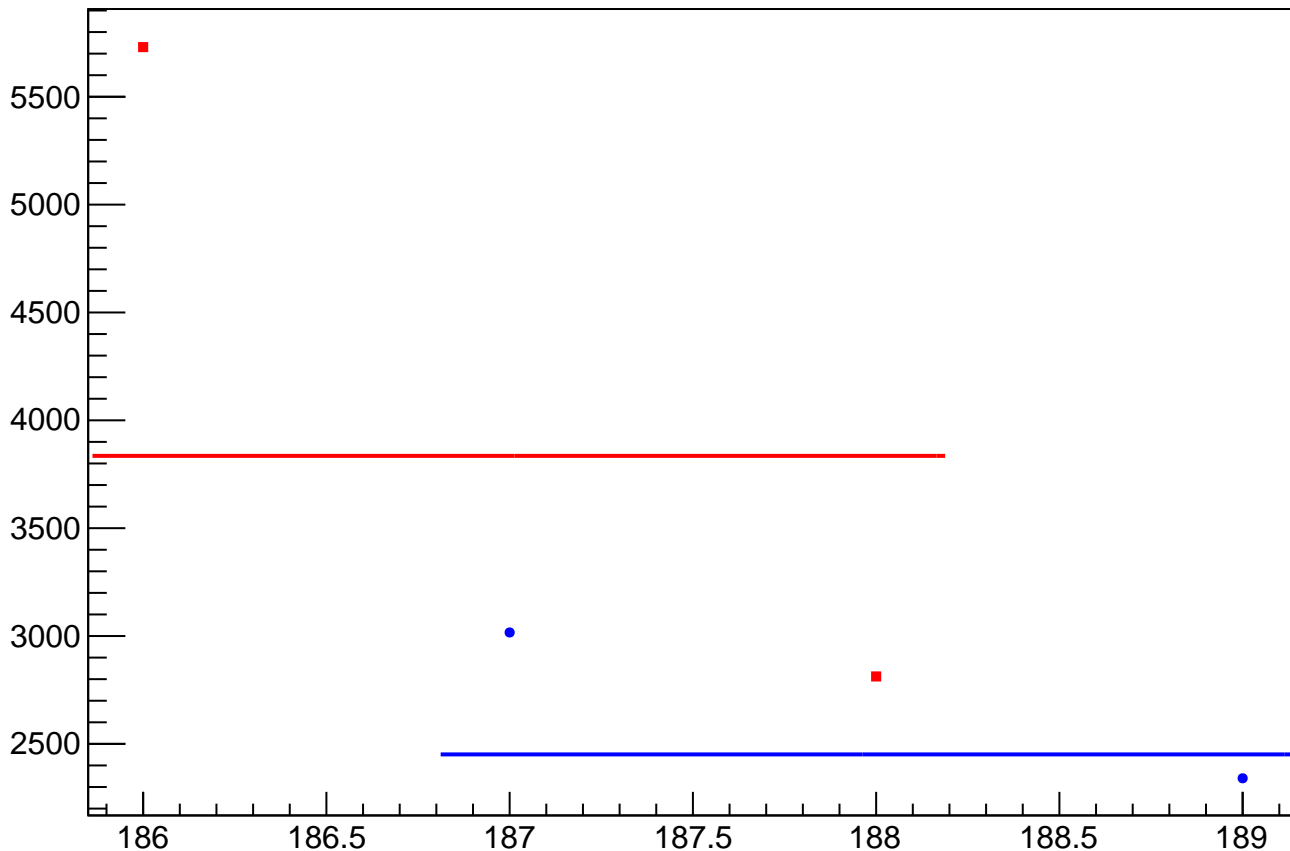
Right: -2339.269+/-2735.289  $\chi^2/\text{NDF}$ : 2.0/3

In: -240.879+/-3141.309  $\chi^2/\text{NDF}$ :0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -2339.269+/-2735.289  $\chi^2/\text{NDF}$ : 2.0/3

# asym\_sam\_3748\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 2451.171+/-2.221  $\chi^2$ /NDF: 12677.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3835.227+/-3.933  $\chi^2$ /NDF: 125259.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

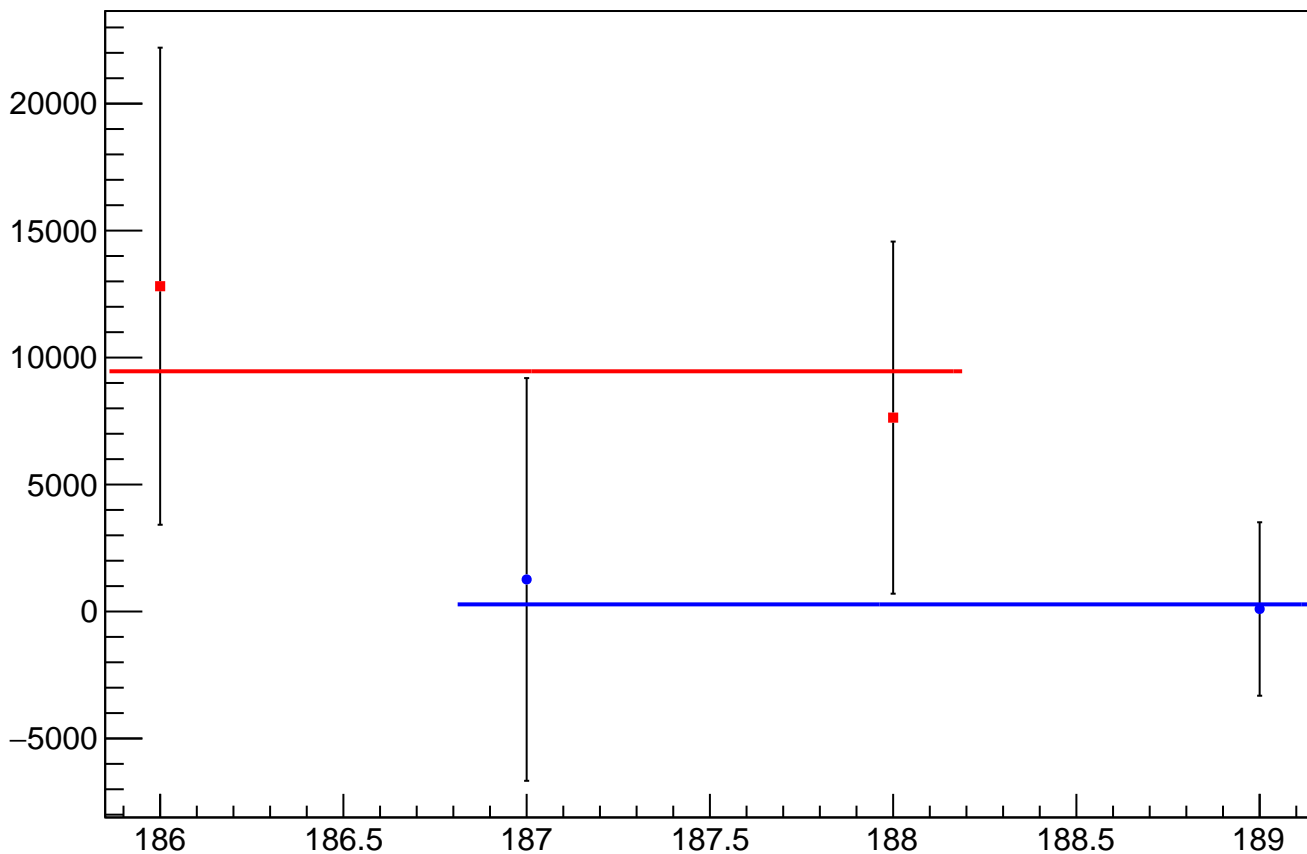
Right: 2785.833+/-1.934  $\chi^2$ /NDF: 231815.8/3

In: 2451.171+/-2.221  $\chi^2$ /NDF:12677.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2785.833+/-1.934  $\chi^2$ /NDF: 231815.8/3

# asym\_sam\_3748\_avg\_mean vs Slug, Sign Corrected



Right In: 281.028+/-3136.701  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 9459.781+/-5578.257  $\chi^2$ /NDF: 0.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

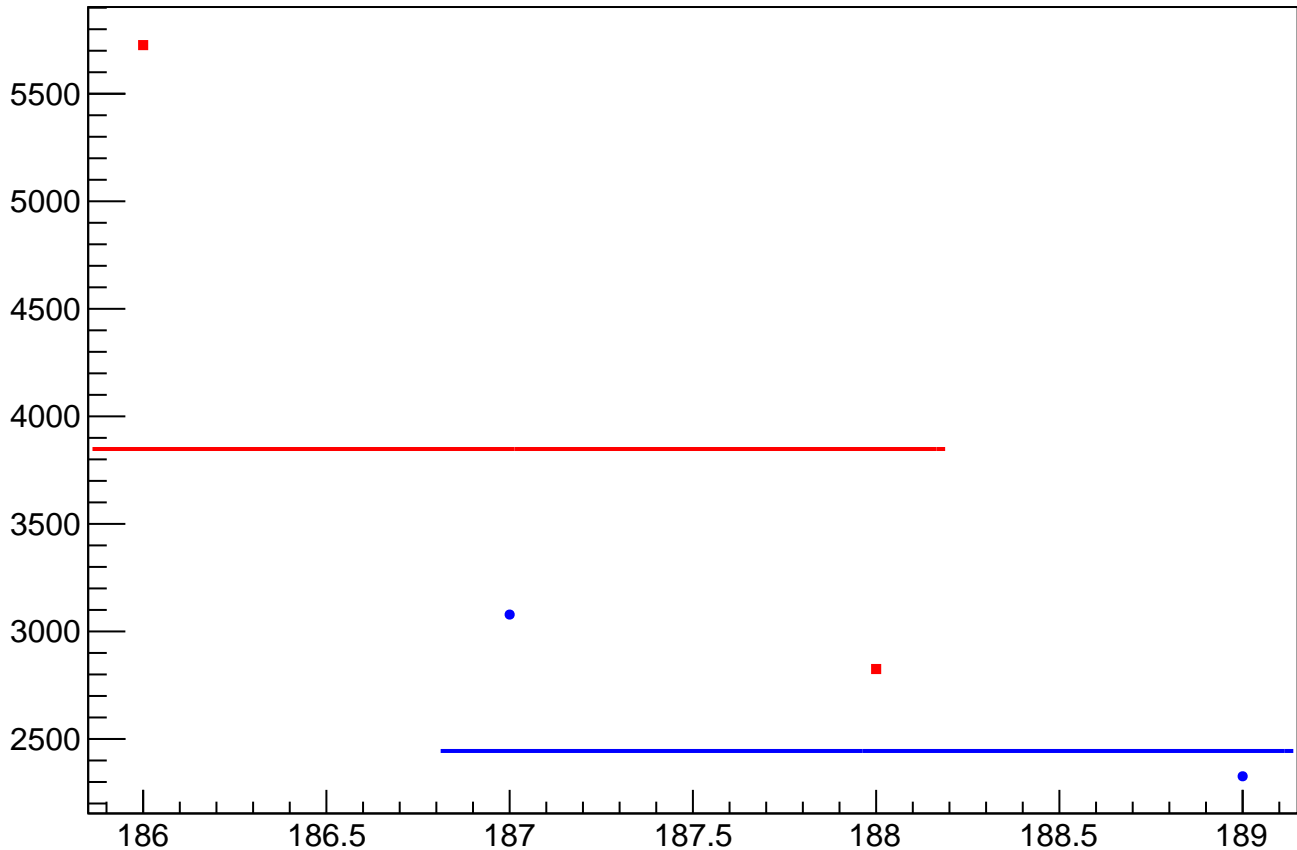
Right: 2486.056+/-2734.096  $\chi^2$ /NDF: 2.3/3

In: 281.028+/-3136.701  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2486.056+/-2734.096  $\chi^2$ /NDF: 2.3/3

# asym\_sam\_3748\_avg\_rms vs Slug, Sign Corrected



Right In: 2444.230+/-2.218  $\chi^2$ /NDF: 15169.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3848.229+/-3.944  $\chi^2$ /NDF: 123476.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

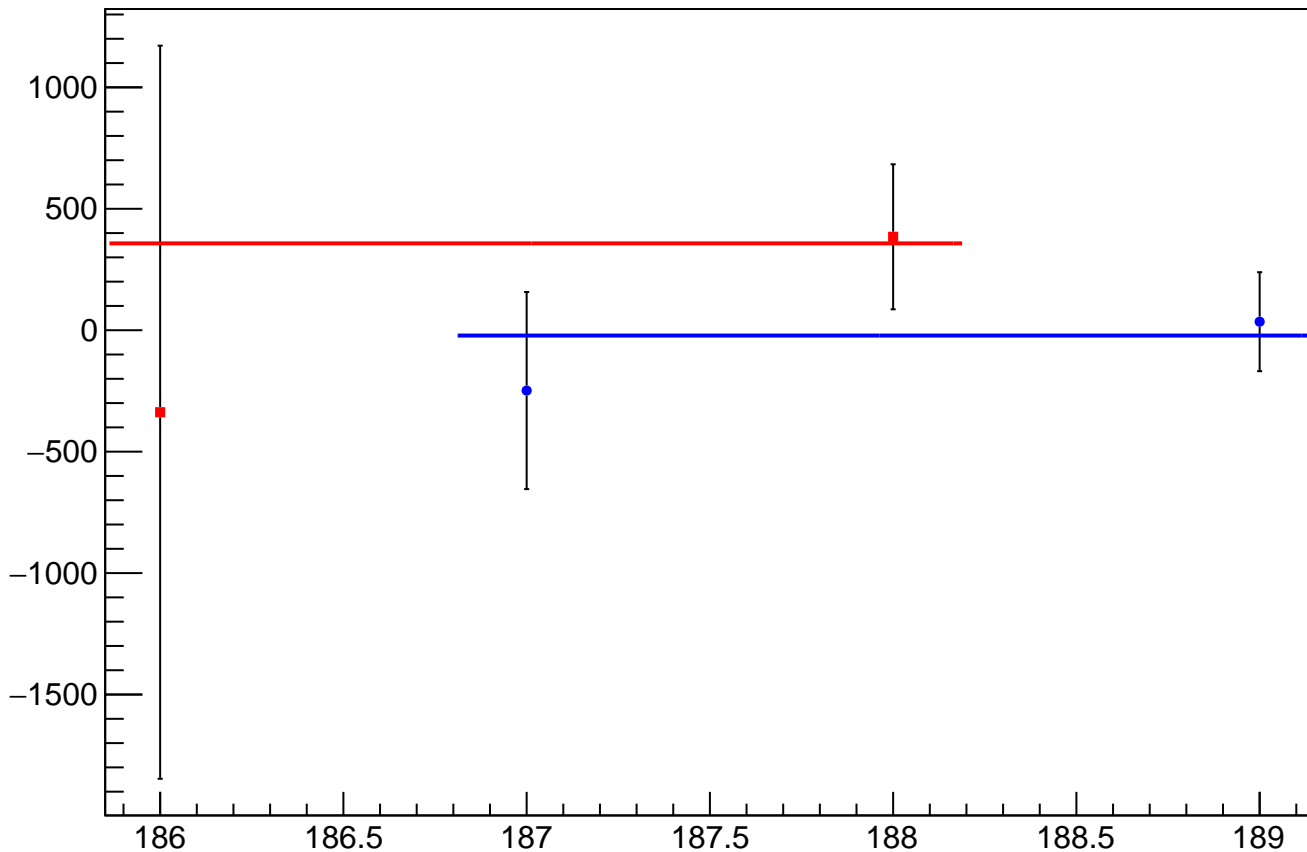
Right: 2781.515+/-1.933  $\chi^2$ /NDF: 234907.0/3

In: 2444.230+/-2.218  $\chi^2$ /NDF:15169.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2781.515+/-1.933  $\chi^2$ /NDF: 234907.0/3

# dit\_asym\_sam\_1526\_avg\_mean vs Slug, Sign Corrected



Right In: -21.949+/-182.065  $\chi^2/\text{NDF}$ : 0.4/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 357.516+/-292.916  $\chi^2/\text{NDF}$ : 0.2/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

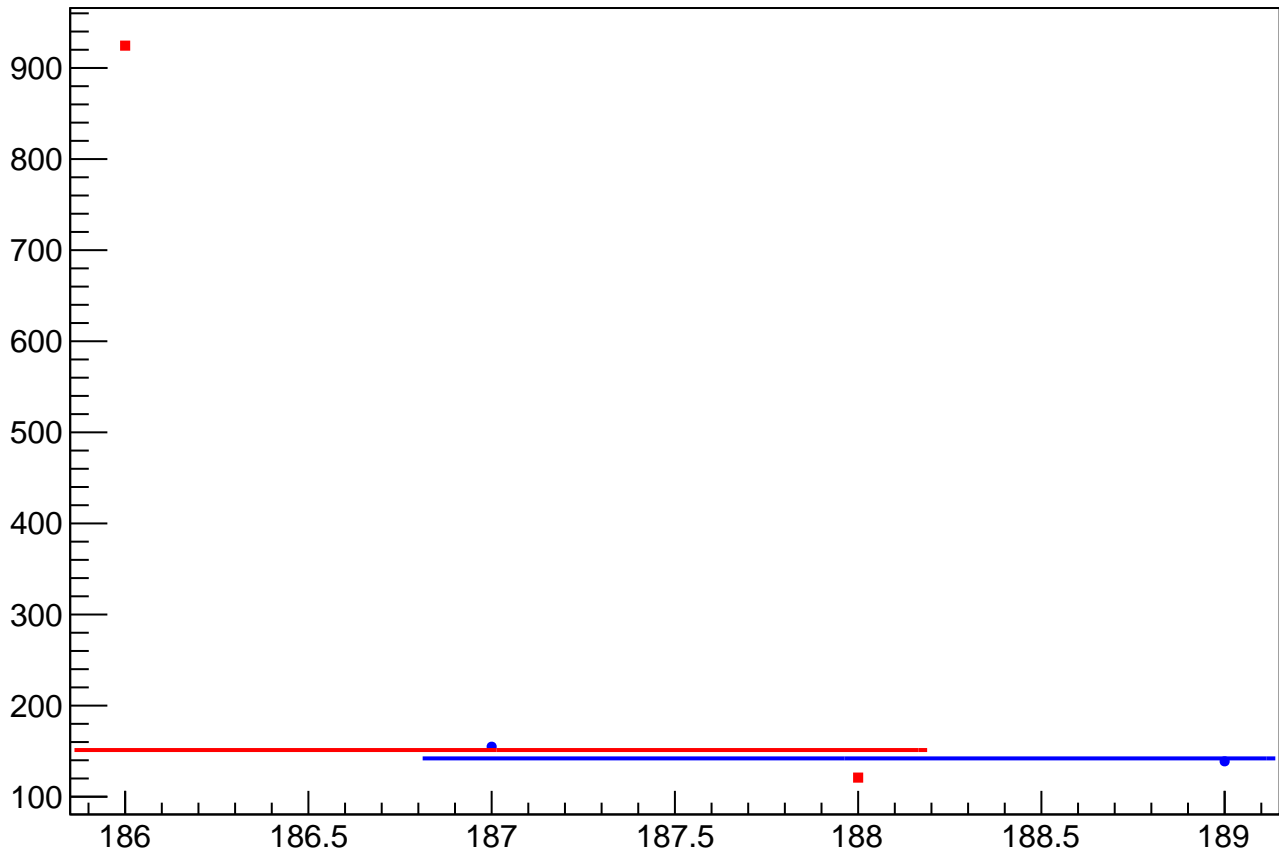
Right: 83.799+/-154.629  $\chi^2/\text{NDF}$ : 1.8/3

In: -21.949+/-182.065  $\chi^2/\text{NDF}$ : 0.4/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 83.799+/-154.629  $\chi^2/\text{NDF}$ : 1.8/3

# dit\_asym\_sam\_1526\_avg\_rms vs Slug, Sign Corrected



Right In: 142.054+/-0.129  $\chi^2$ /NDF: 2512.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 151.232+/-0.207  $\chi^2$ /NDF: 545545.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

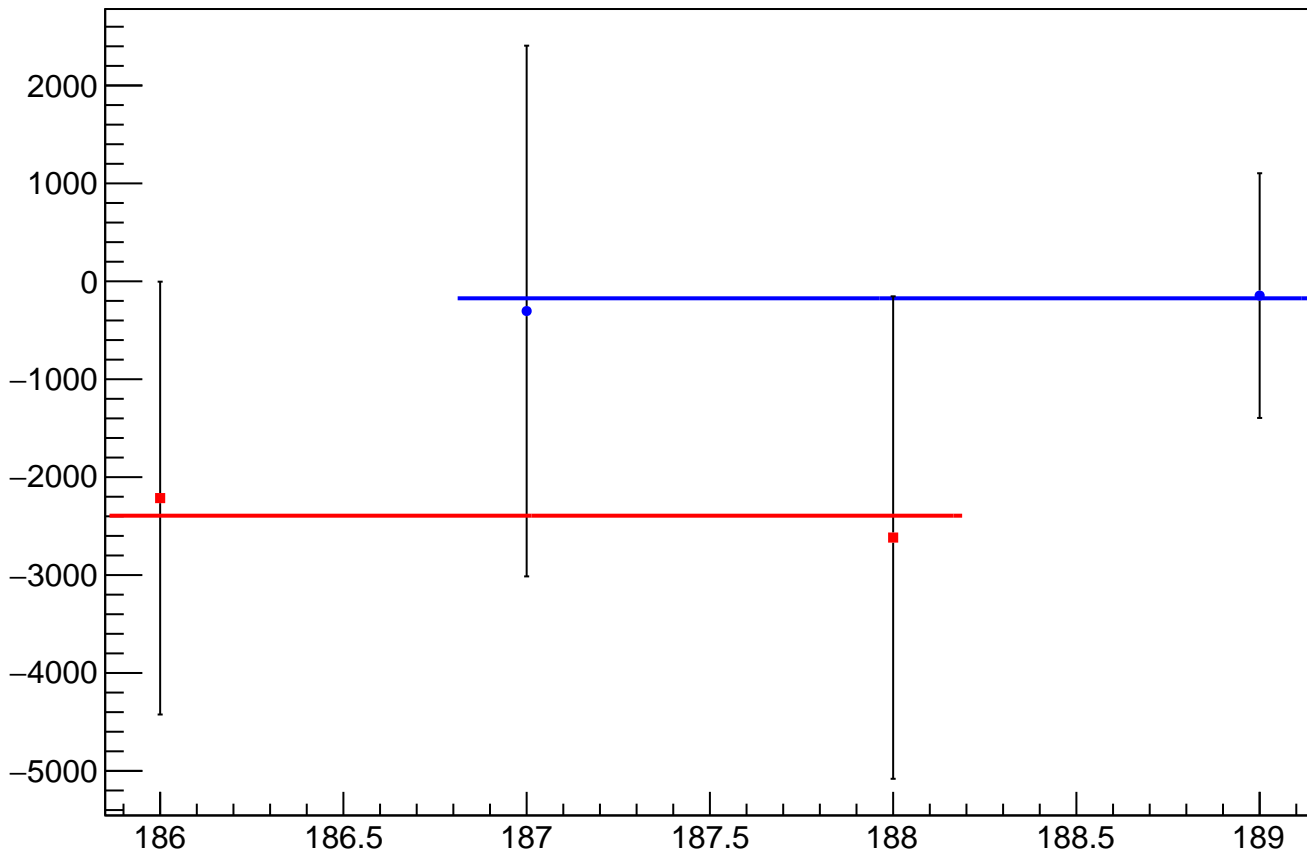
Right: 144.612+/-0.109  $\chi^2$ /NDF: 549473.9/3

In: 142.054+/-0.129  $\chi^2$ /NDF:2512.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 144.612+/-0.109  $\chi^2$ /NDF: 549473.9/3

asym\_sam\_1526\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -173.560+/-1134.740  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2393.632+/-1645.176  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

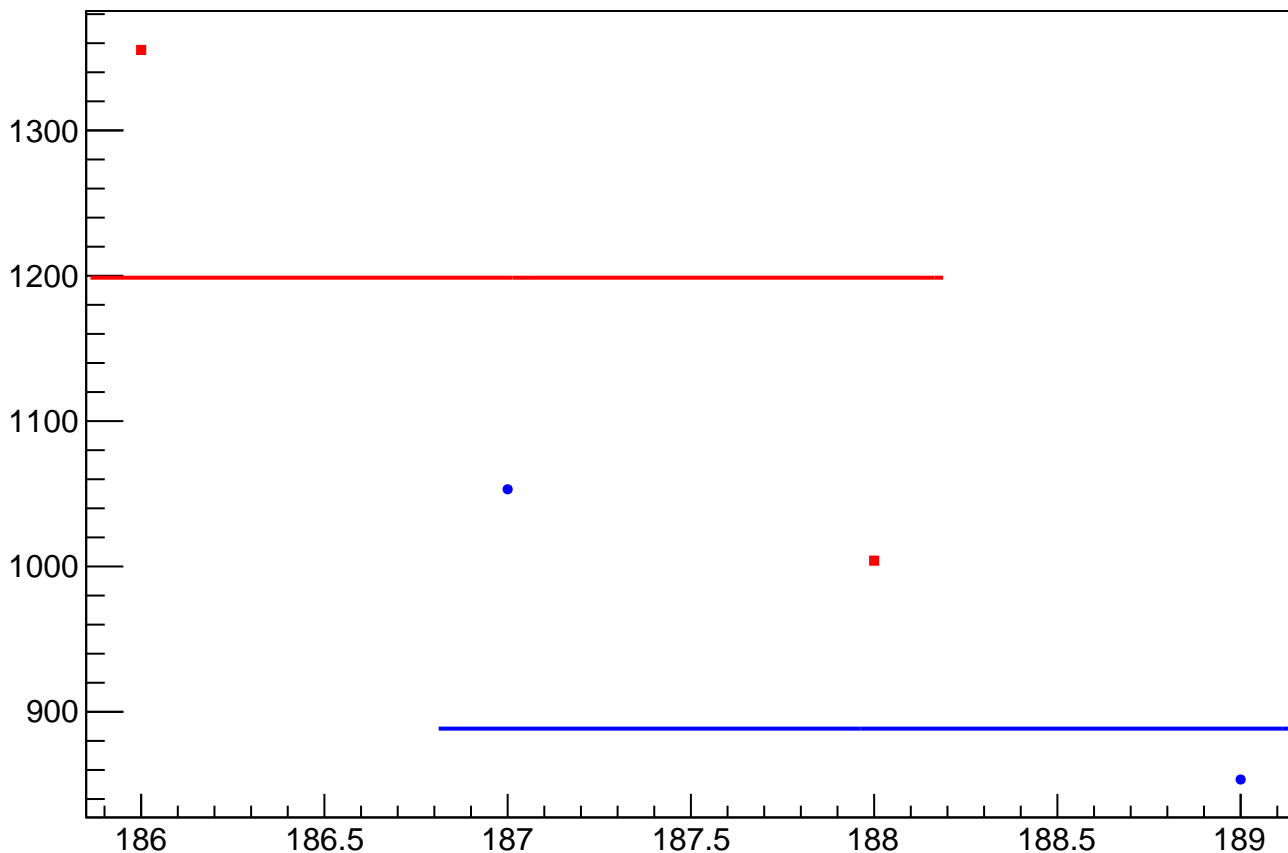
Right: -889.251+/-934.096  $\chi^2$ /NDF: 1.3/3

In: -173.560+/-1134.740  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -889.251+/-934.096  $\chi^2$ /NDF: 1.3/3

asym\_sam\_1526\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 888.440+/-0.802  $\chi^2$ /NDF: 8954.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1198.679+/-1.163  $\chi^2$ /NDF: 22538.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 988.452+/-0.661  $\chi^2$ /NDF: 79687.1/3

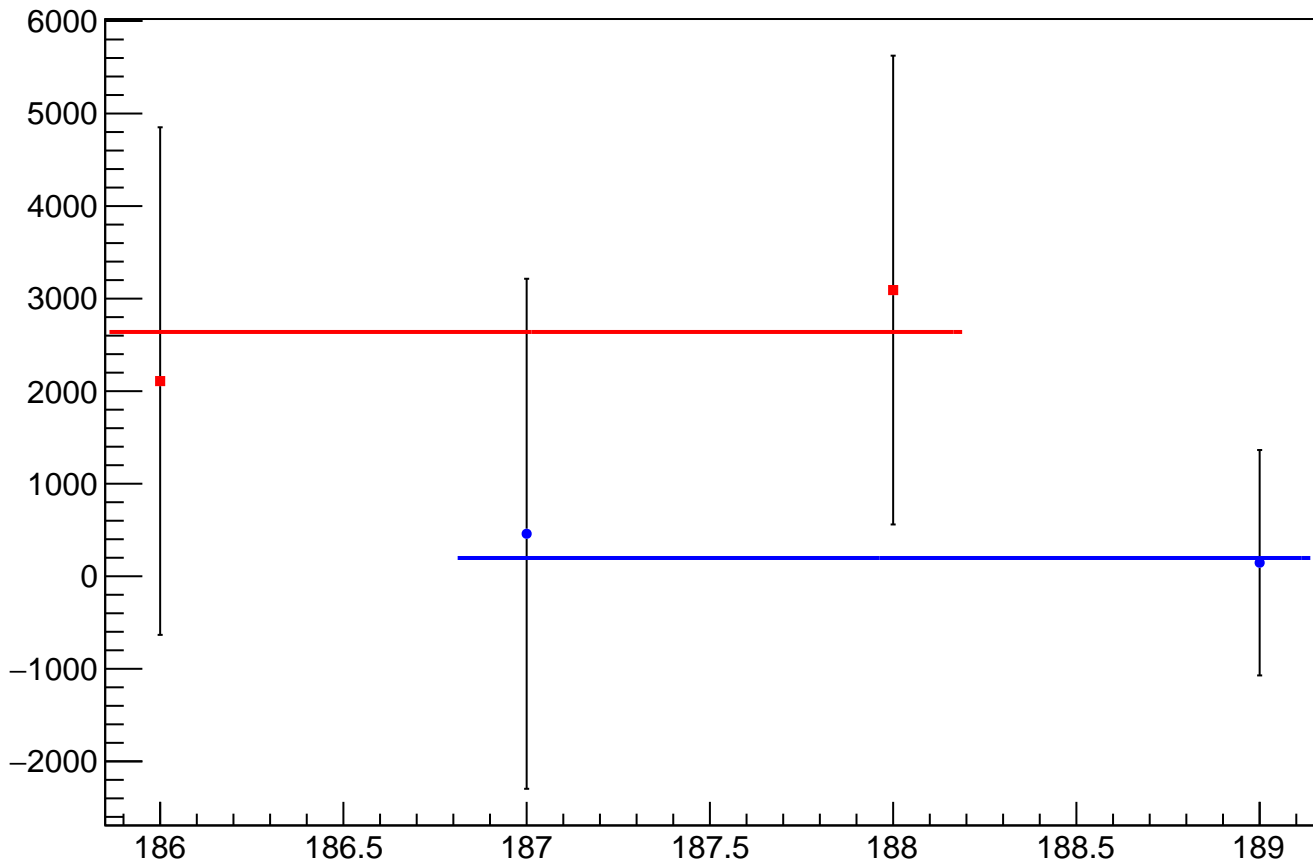
In: 888.440+/-0.802  $\chi^2$ /NDF:8954.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 988.452+/-0.661  $\chi^2$ /NDF: 79687.1/3



# asym\_sam\_1526\_avg\_mean vs Slug, Sign Corrected



Right In: 197.403+/-1113.925  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 2639.729+/-1860.649  $\chi^2/\text{NDF}$ : 0.1/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

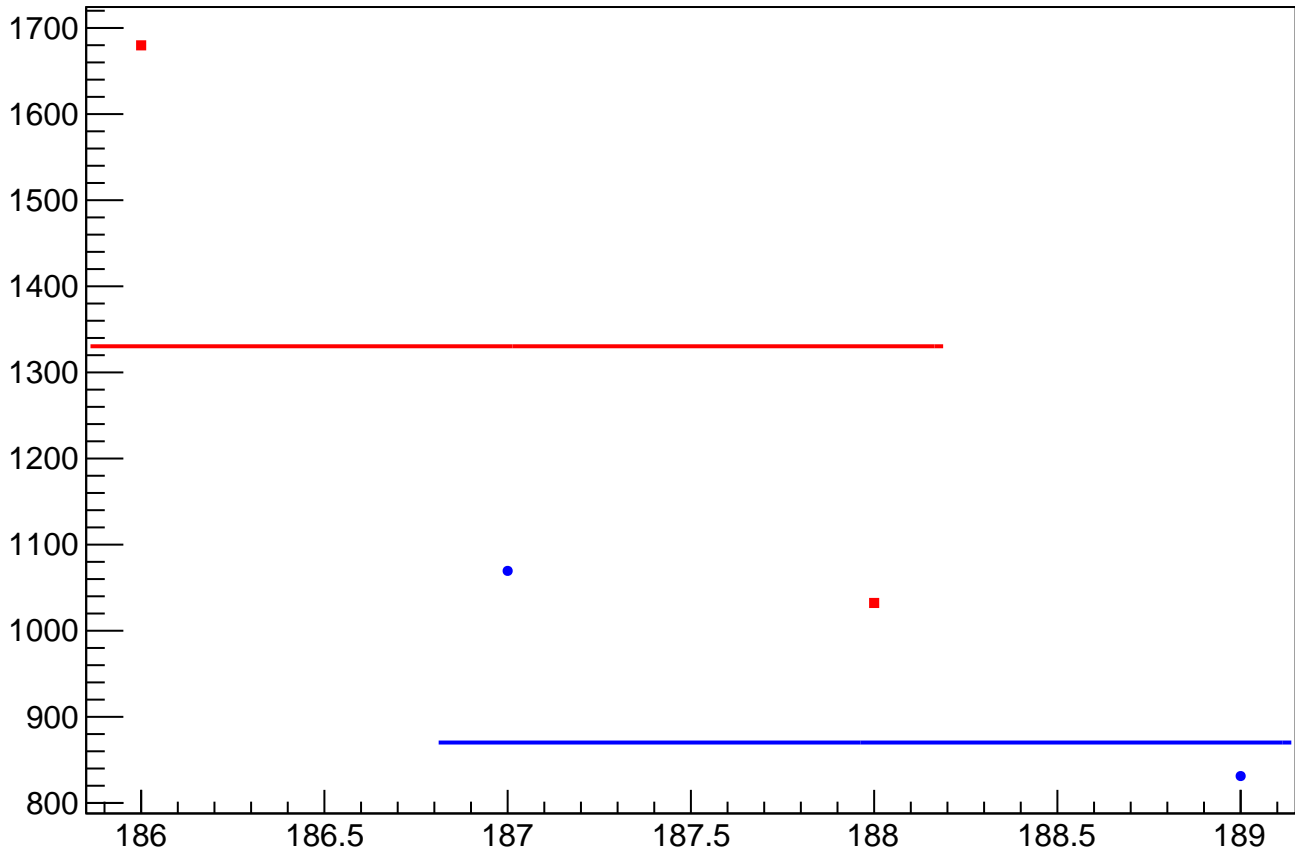
Right: 841.802+/-955.741  $\chi^2/\text{NDF}$ : 1.3/3

In: 197.403+/-1113.925  $\chi^2/\text{NDF}$ :0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 841.802+/-955.741  $\chi^2/\text{NDF}$ : 1.3/3

# asym\_sam\_1526\_avg\_rms vs Slug, Sign Corrected



Right In: 870.176+/-0.788  $\chi^2/\text{NDF}$ : 12510.1/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1330.354+/-1.316  $\chi^2/\text{NDF}$ : 60185.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

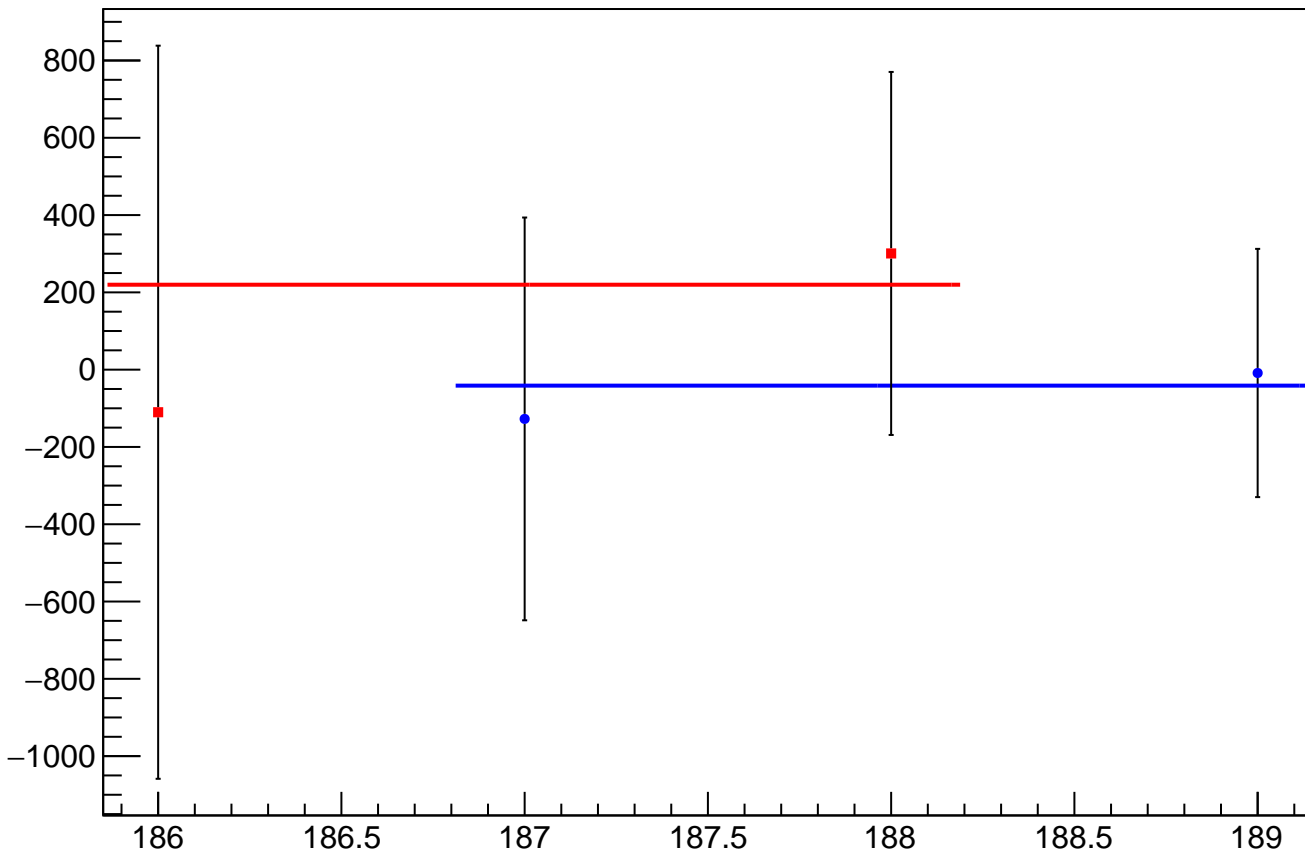
Right: 991.593+/-0.676  $\chi^2/\text{NDF}$ : 162753.0/3

In: 870.176+/-0.788  $\chi^2/\text{NDF}$ : 12510.1/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 991.593+/-0.676  $\chi^2/\text{NDF}$ : 162753.0/3

# dit\_asym\_sam\_3726\_avg\_mean vs Slug, Sign Corrected



Right In:  $-41.336 \pm 273.416$   $\chi^2/\text{NDF}: 0.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $219.804 \pm 420.906$   $\chi^2/\text{NDF}: 0.2/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

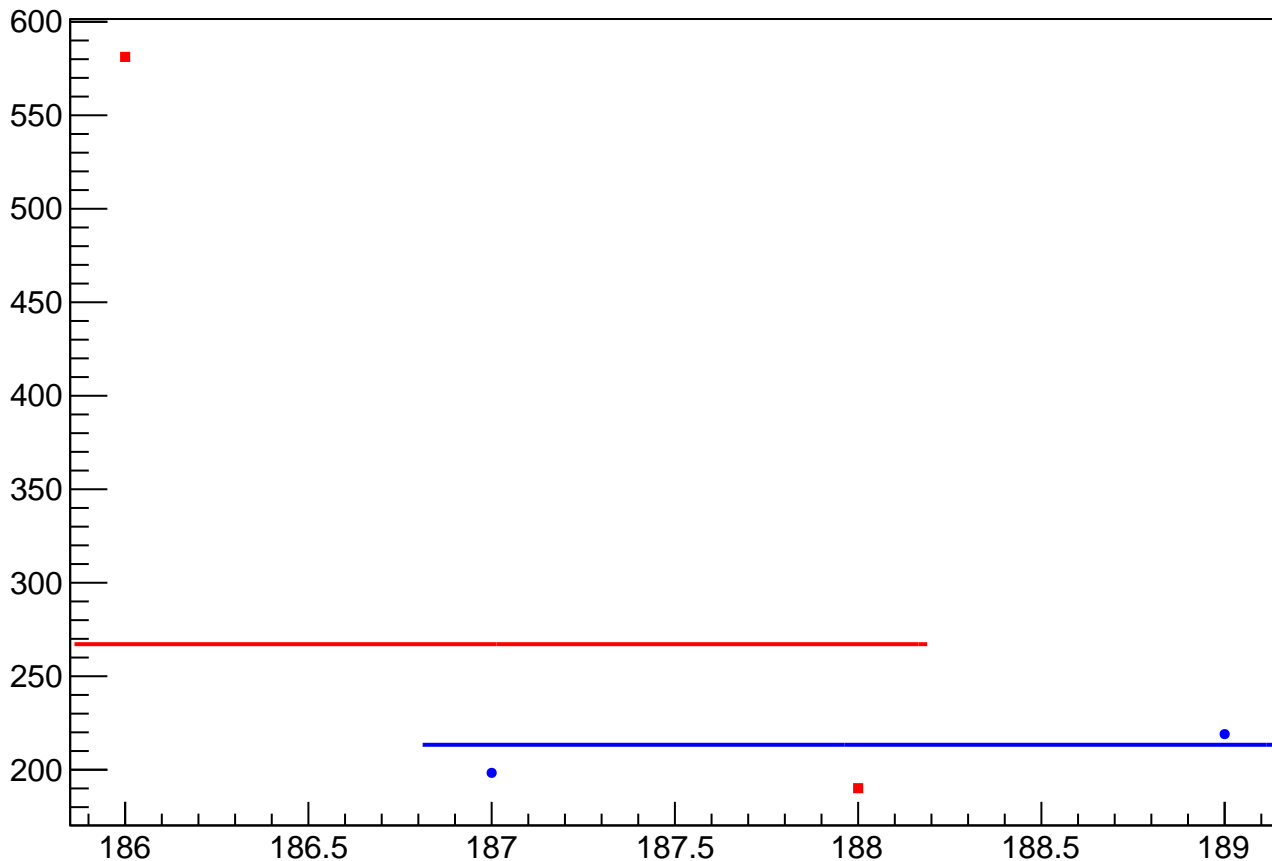
Right:  $36.157 \pm 229.287$   $\chi^2/\text{NDF}: 0.5/3$

In:  $-41.336 \pm 273.416$   $\chi^2/\text{NDF}: 0.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $36.157 \pm 229.287$   $\chi^2/\text{NDF}: 0.5/3$

# dit\_asym\_sam\_3726\_avg\_rms vs Slug, Sign Corrected



Right In: 213.348+/-0.193  $\chi^2$ /NDF: 2292.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 267.146+/-0.298  $\chi^2$ /NDF: 273027.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

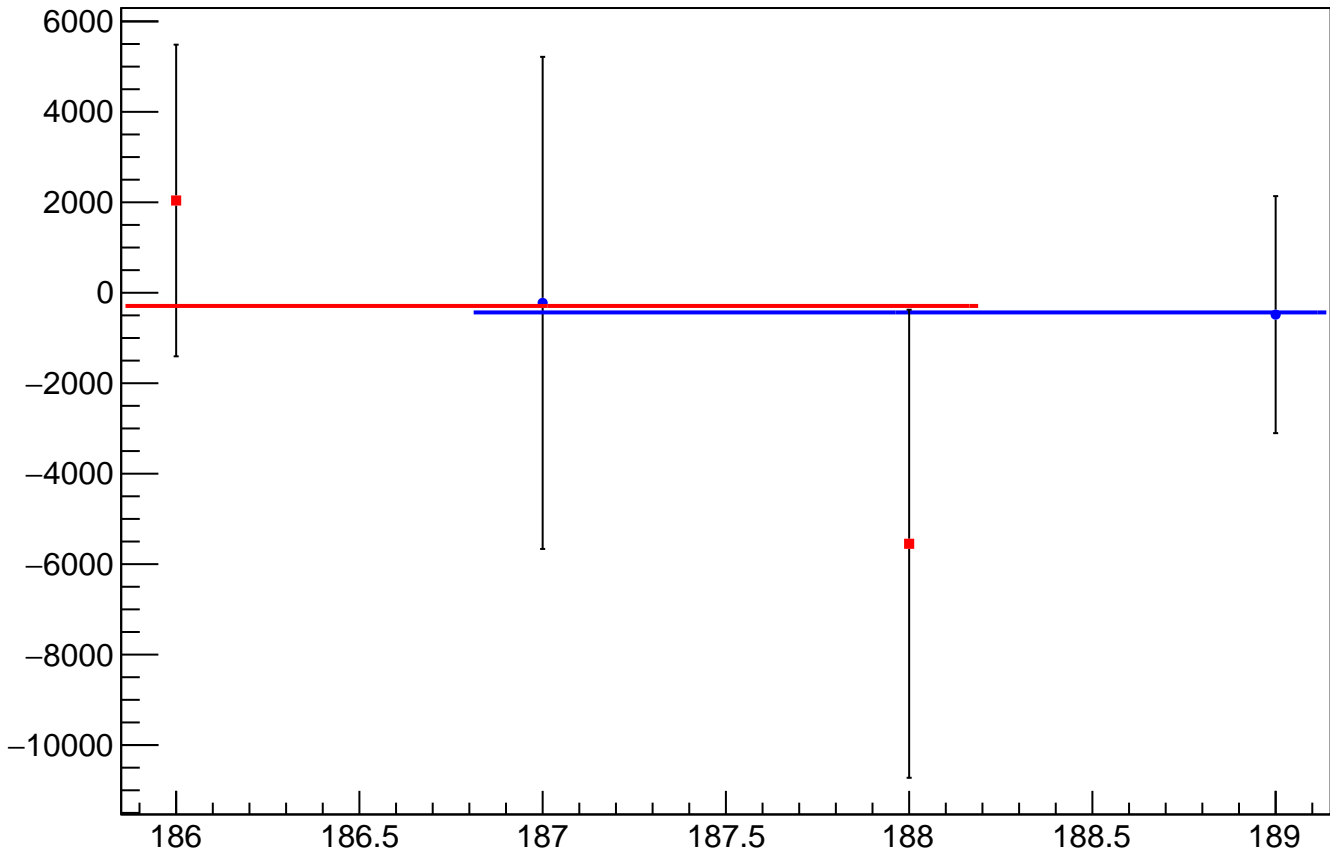
Right: 229.312+/-0.162  $\chi^2$ /NDF: 298297.3/3

In: 213.348+/-0.193  $\chi^2$ /NDF:2292.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 229.312+/-0.162  $\chi^2$ /NDF: 298297.3/3

asym\_sam\_3726\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -434.701+/-2360.811  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -291.282+/-2867.747  $\chi^2$ /NDF: 1.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

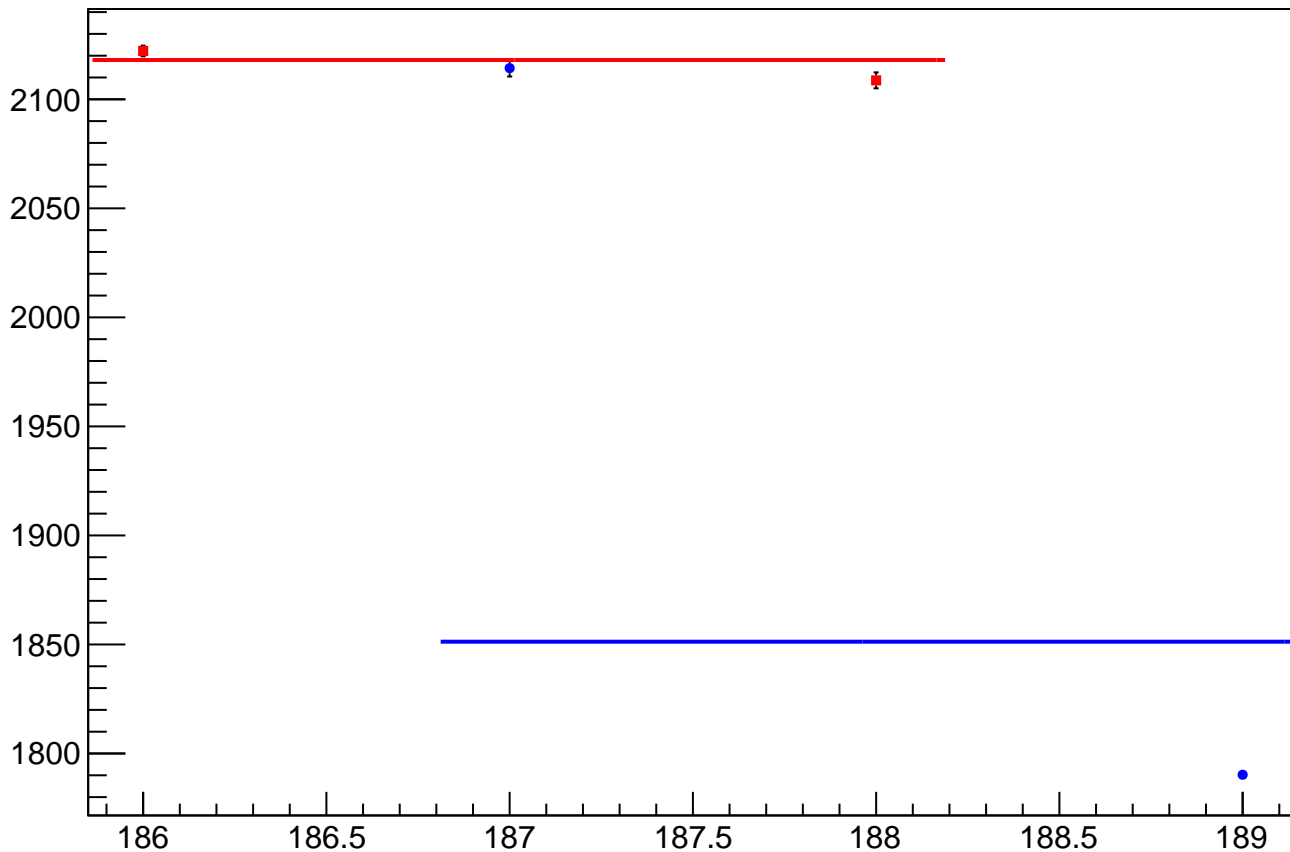
Right: -376.767+/-1822.651  $\chi^2$ /NDF: 1.5/3

In: -434.701+/-2360.811  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -376.767+/-1822.651  $\chi^2$ /NDF: 1.5/3

# asym\_sam\_3726\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1851.273+/-1.669  $\chi^2$ /NDF: 5759.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2118.020+/-2.028  $\chi^2$ /NDF: 9.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

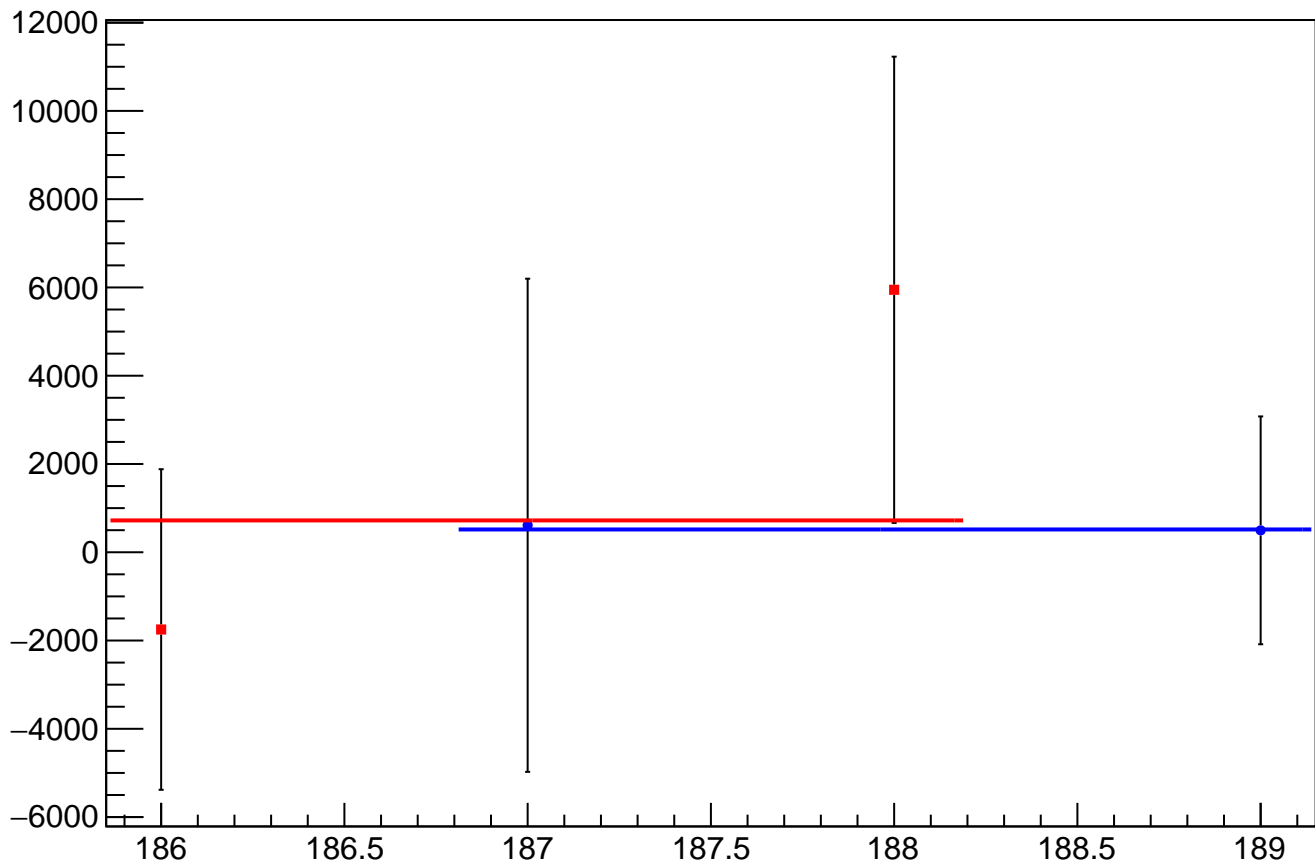
Right: 1959.025+/-1.289  $\chi^2$ /NDF: 16082.9/3

In: 1851.273+/-1.669  $\chi^2$ /NDF:5759.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1959.025+/-1.289  $\chi^2$ /NDF: 16082.9/3

# asym\_sam\_3726\_avg\_mean vs Slug, Sign Corrected



Right In: 516.559+/-2343.083  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 721.250+/-2992.765  $\chi^2$ /NDF: 1.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

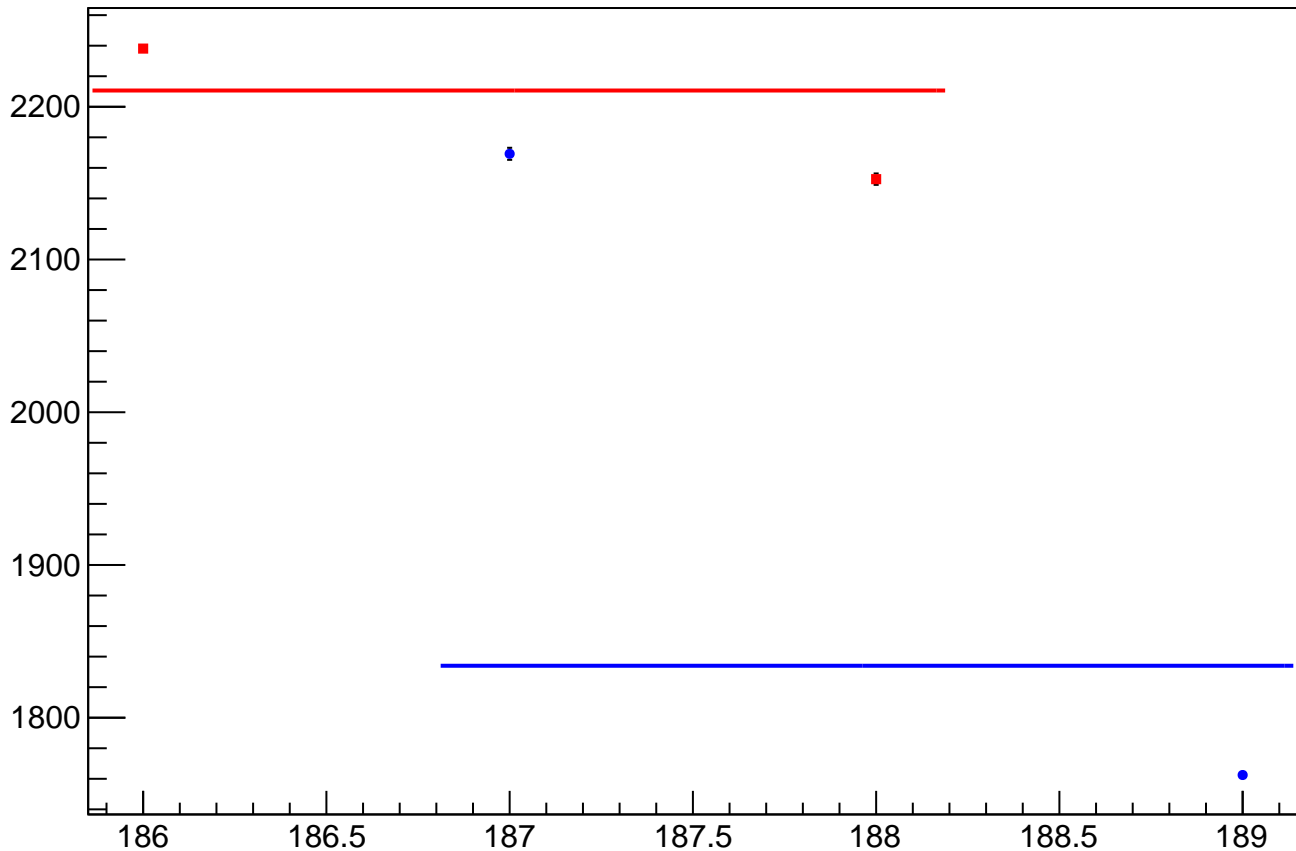
Right: 594.345+/-1844.915  $\chi^2$ /NDF: 1.4/3

In: 516.559+/-2343.083  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 594.345+/-1844.915  $\chi^2$ /NDF: 1.4/3

# asym\_sam\_3726\_avg\_rms vs Slug, Sign Corrected



Right In: 1834.018+/-1.657  $\chi^2$ /NDF: 8734.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2210.653+/-2.116  $\chi^2$ /NDF: 355.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 1977.147+/-1.305  $\chi^2$ /NDF: 28728.8/3

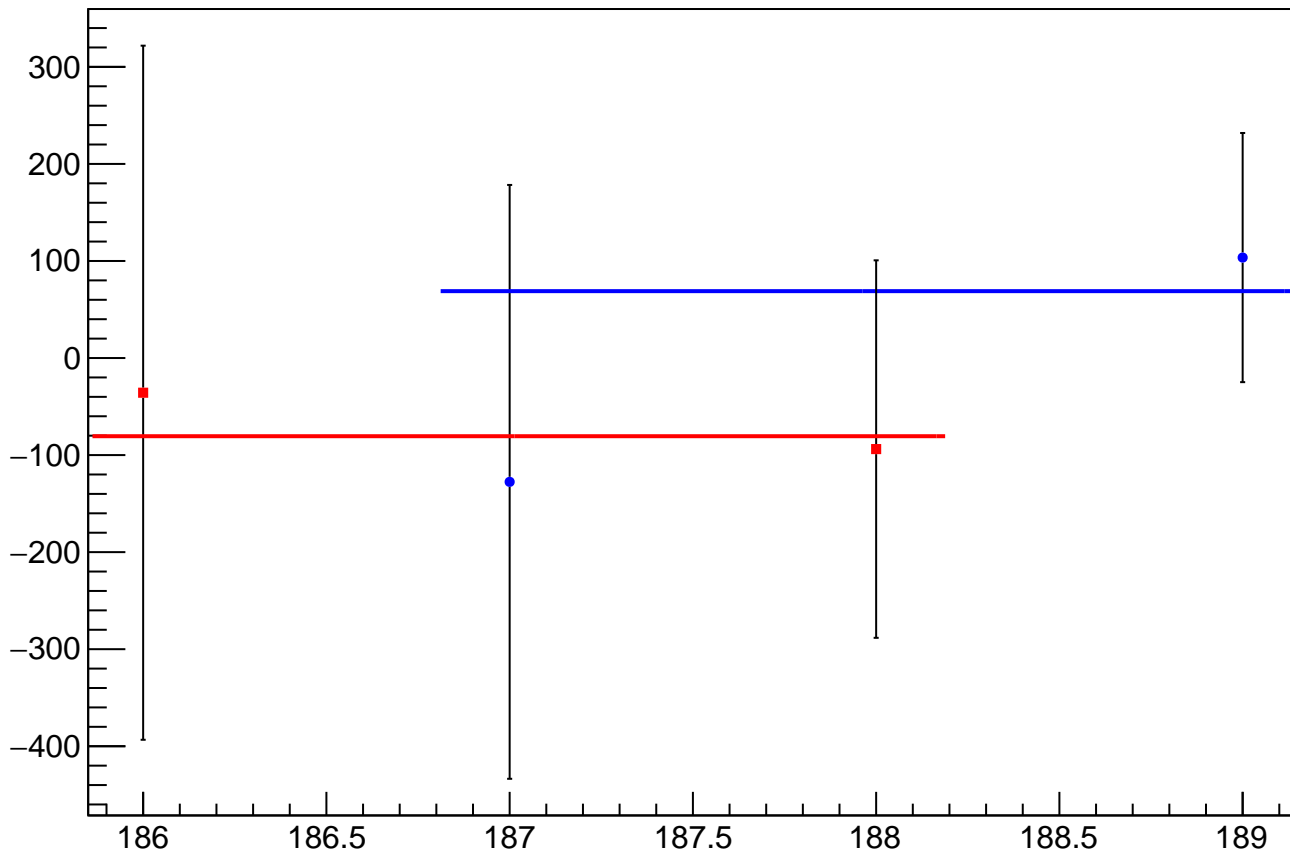
In: 1834.018+/-1.657  $\chi^2$ /NDF:8734.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1977.147+/-1.305  $\chi^2$ /NDF: 28728.8/3



# dit\_asym\_sam\_15\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 68.918+/-118.374  $\chi^2/\text{NDF}$ : 0.5/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -80.558+/-170.853  $\chi^2/\text{NDF}$ : 0.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

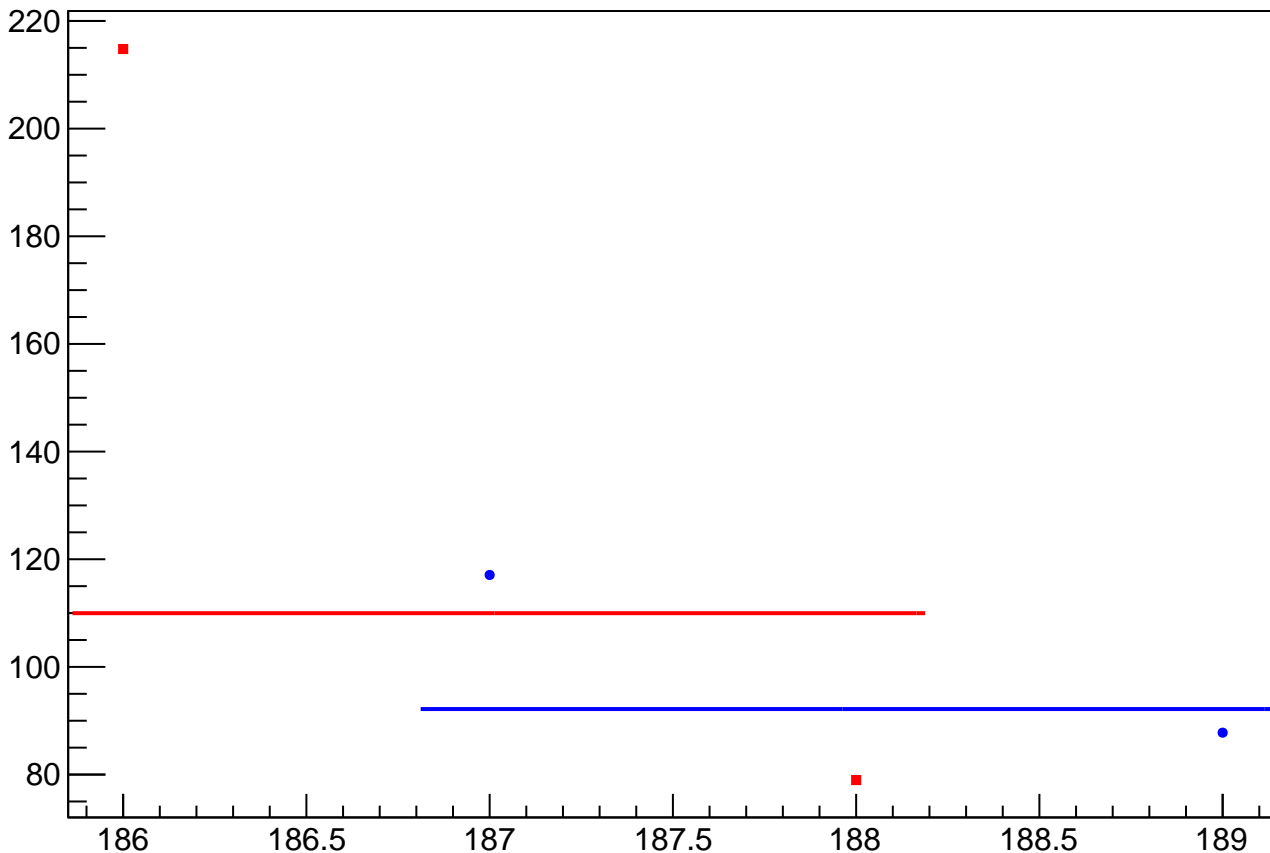
Right: 20.437+/-97.302  $\chi^2/\text{NDF}$ : 1.0/3

In: 68.918+/-118.374  $\chi^2/\text{NDF}$ : 0.5/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 20.437+/-97.302  $\chi^2/\text{NDF}$ : 1.0/3

# dit\_asym\_sam\_15\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 92.169+/-0.084  $\chi^2$ /NDF: 15597.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 109.980+/-0.121  $\chi^2$ /NDF: 222610.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

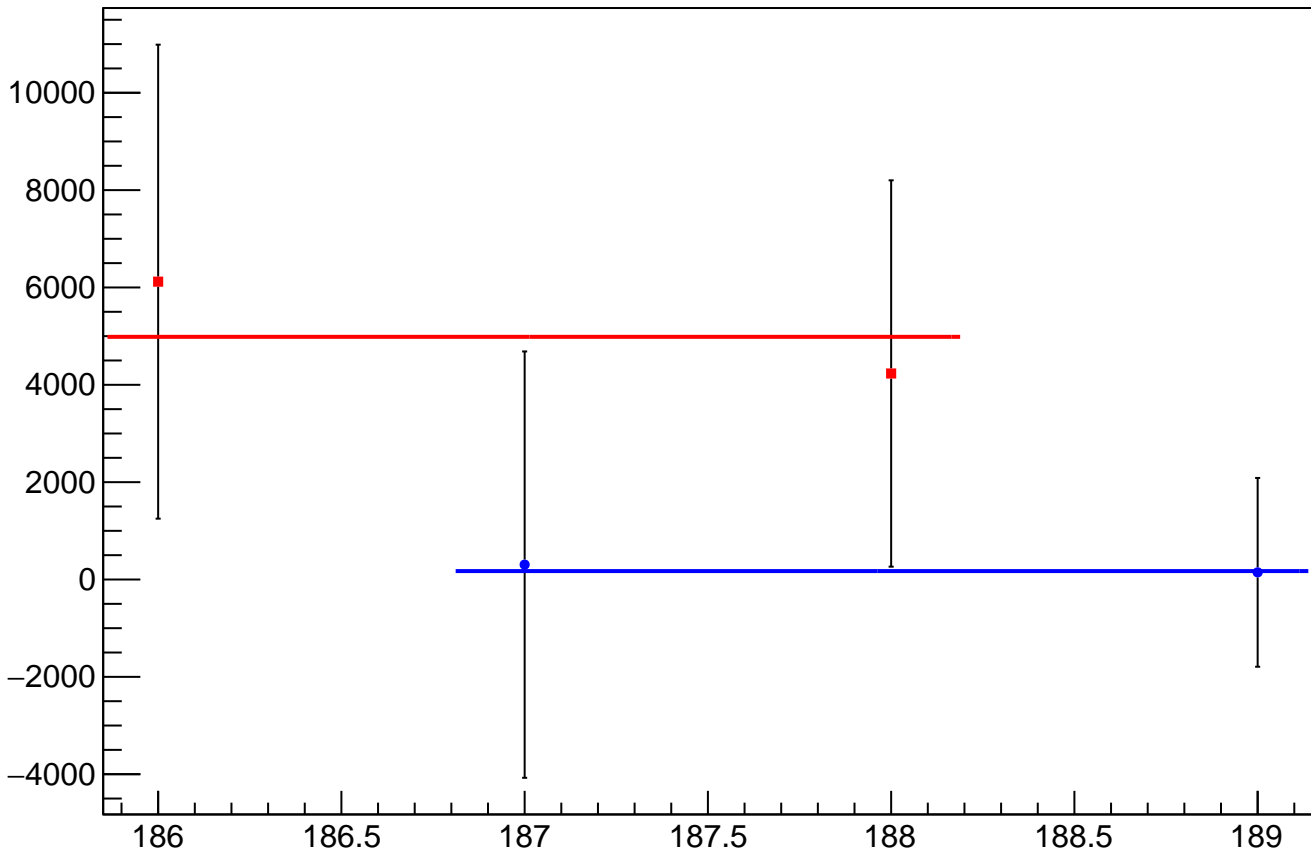
Right: 97.946+/-0.069  $\chi^2$ /NDF: 252893.4/3

In: 92.169+/-0.084  $\chi^2$ /NDF:15597.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 97.946+/-0.069  $\chi^2$ /NDF: 252893.4/3

asym\_sam\_15\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 173.290+/-1773.295  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4985.758+/-3076.326  $\chi^2$ /NDF: 0.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

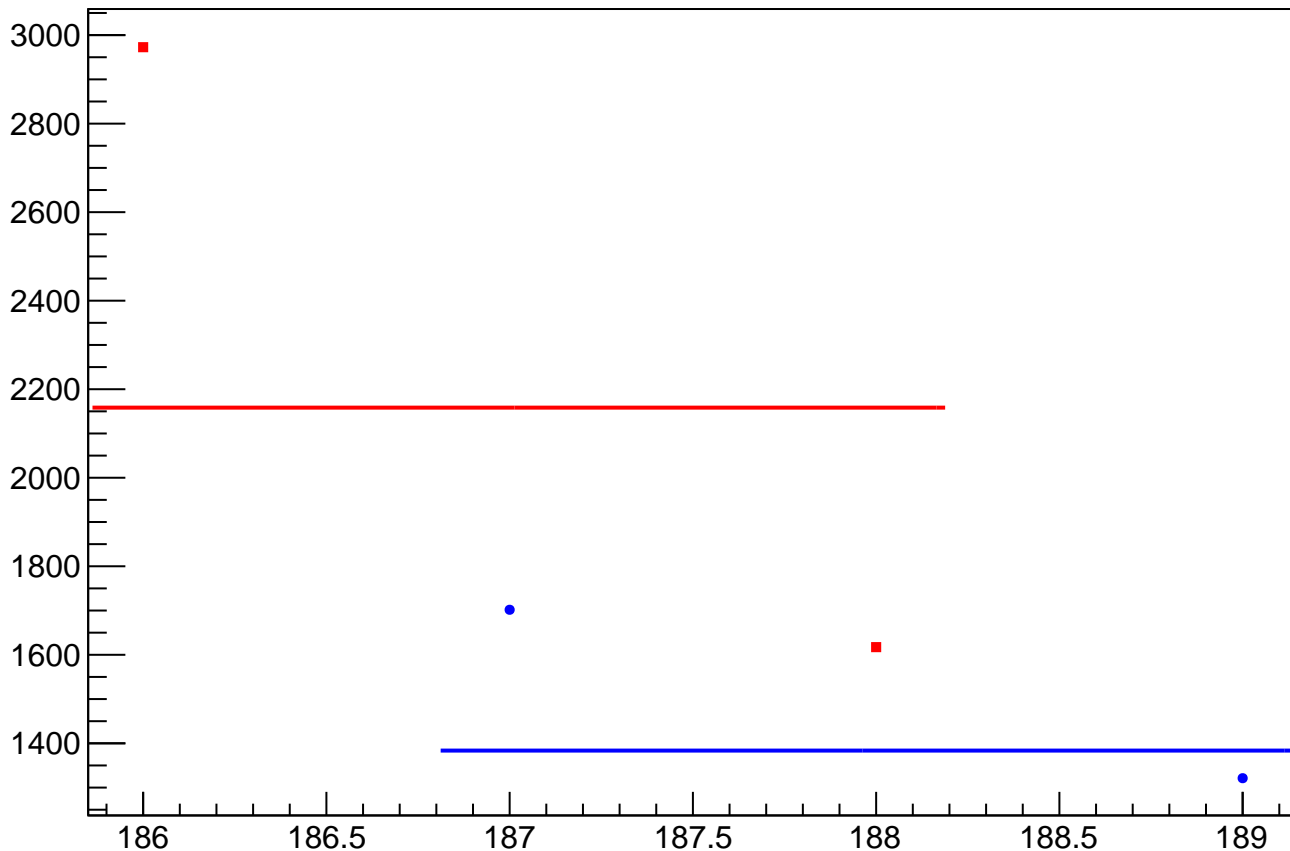
Right: 1373.539+/-1536.329  $\chi^2$ /NDF: 1.9/3

In: 173.290+/-1773.295  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1373.539+/-1536.329  $\chi^2$ /NDF: 1.9/3

# asym\_sam\_15\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1383.604+/-1.254  $\chi^2$ /NDF: 12620.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2158.399+/-2.175  $\chi^2$ /NDF: 93111.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

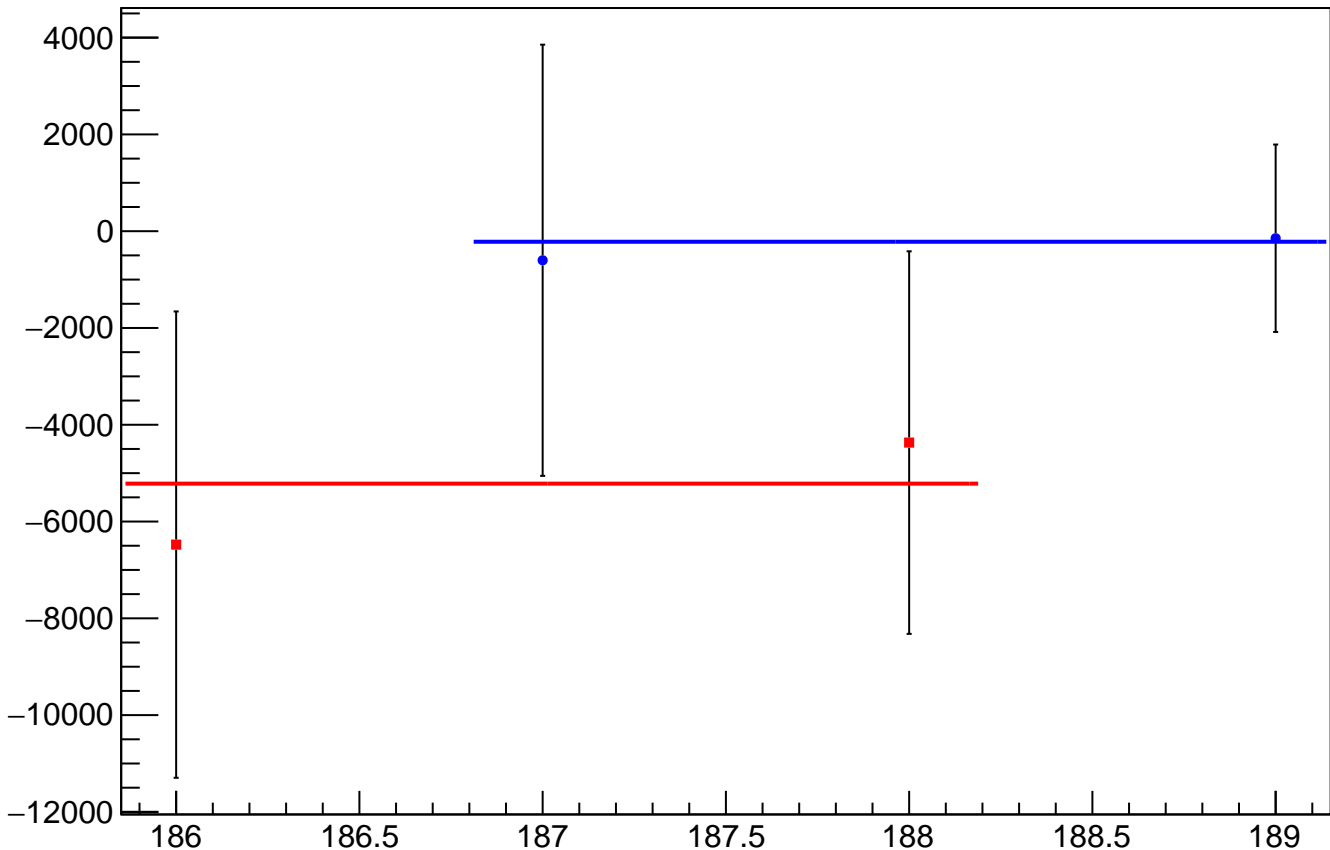
Right: 1576.841+/-1.086  $\chi^2$ /NDF: 200956.0/3

In: 1383.604+/-1.254  $\chi^2$ /NDF:12620.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1576.841+/-1.086  $\chi^2$ /NDF: 200956.0/3

# asym\_sam\_15\_48\_dd\_mean vs Slug, Sign Corrected



Right In: -218.147+/-1775.959  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5216.603+/-3056.102  $\chi^2$ /NDF: 0.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

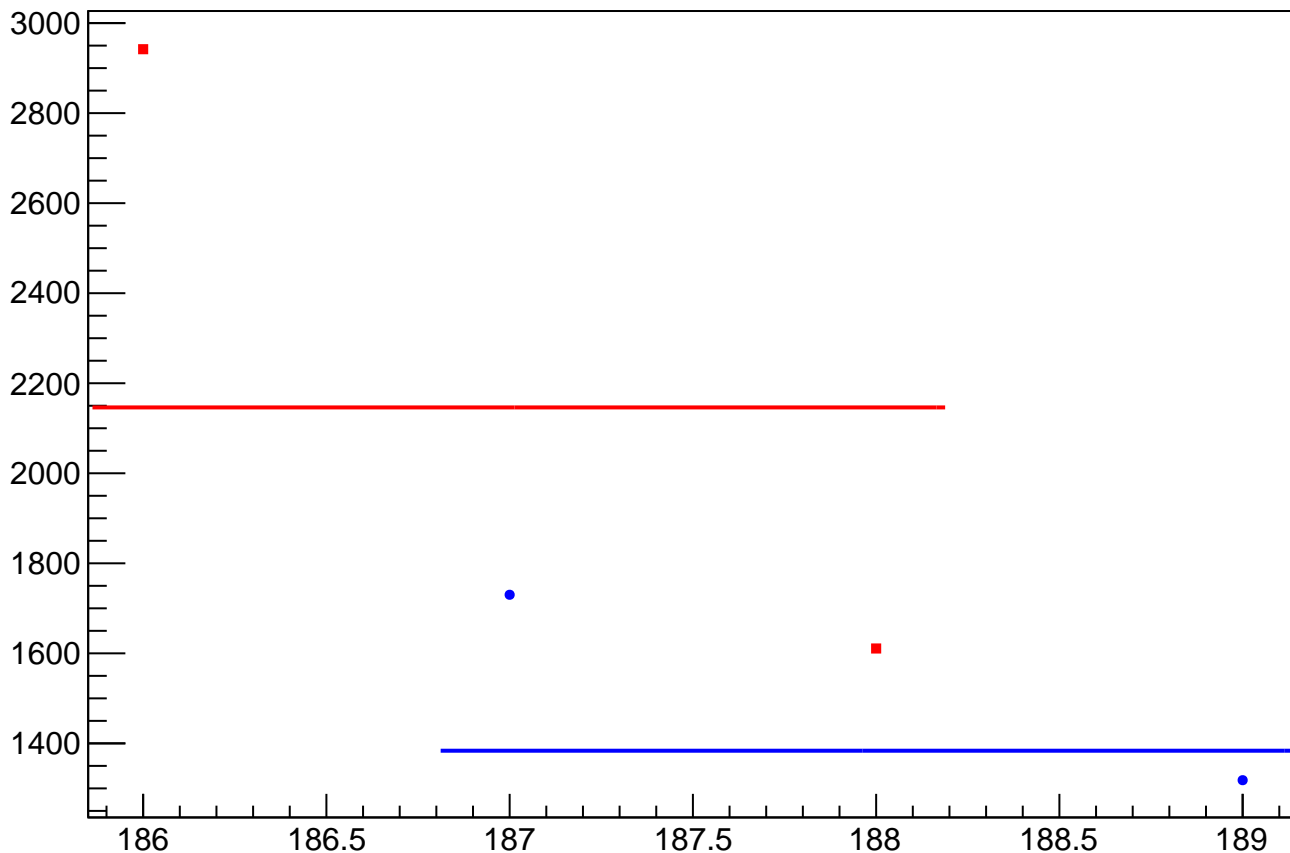
Right: -1479.997+/-1535.514  $\chi^2$ /NDF: 2.1/3

In: -218.147+/-1775.959  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1479.997+/-1535.514  $\chi^2$ /NDF: 2.1/3

# asym\_sam\_15\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 1383.697+/-1.256  $\chi^2$ /NDF: 14377.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2146.282+/-2.161  $\chi^2$ /NDF: 91245.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

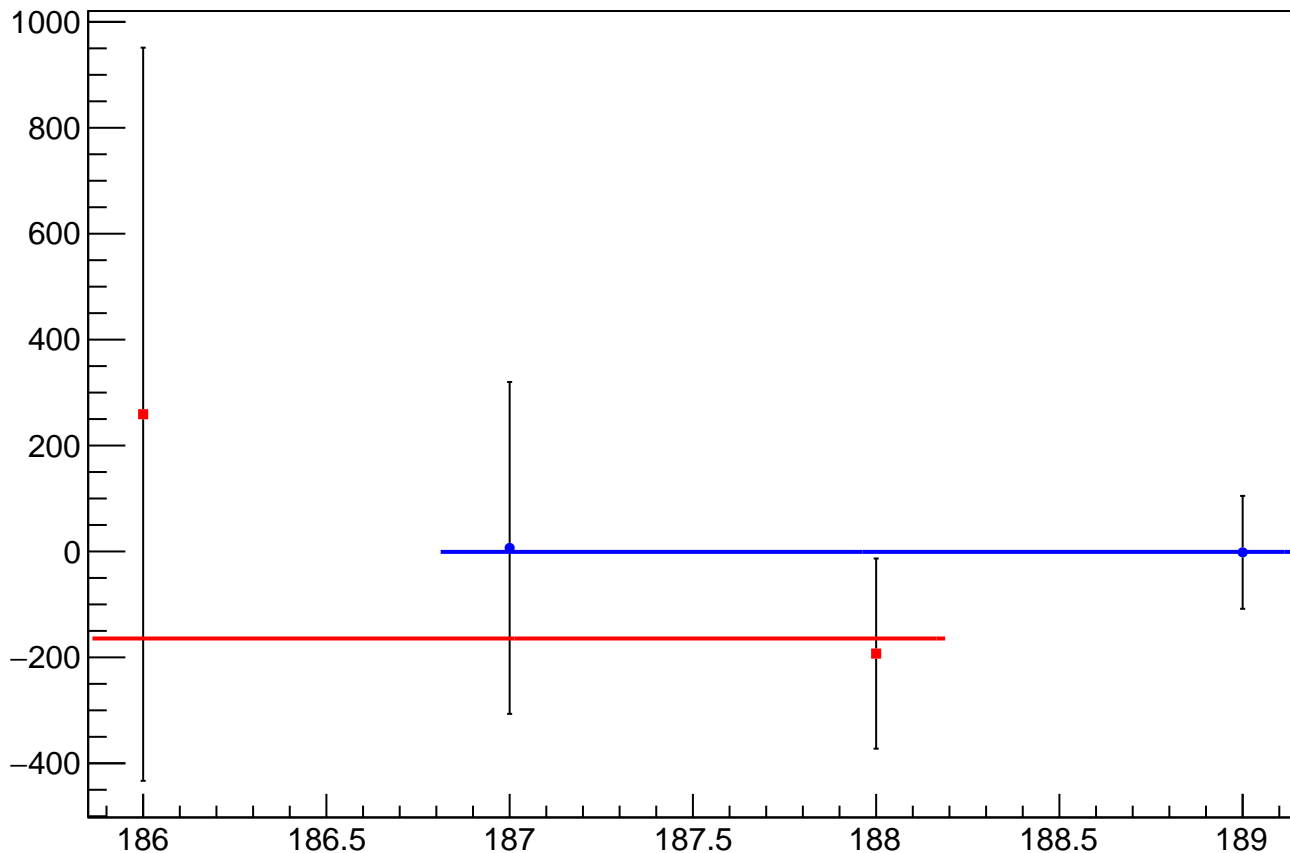
Right: 1576.210+/-1.086  $\chi^2$ /NDF: 198714.5/3

In: 1383.697+/-1.256  $\chi^2$ /NDF:14377.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1576.210+/-1.086  $\chi^2$ /NDF: 198714.5/3

# dit\_asym\_sam\_37\_48\_dd\_mean vs Slug, Sign Corrected



Right In:  $-0.799 \pm 100.927$   $\chi^2/\text{NDF}: 0.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-164.344 \pm 173.810$   $\chi^2/\text{NDF}: 0.4/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

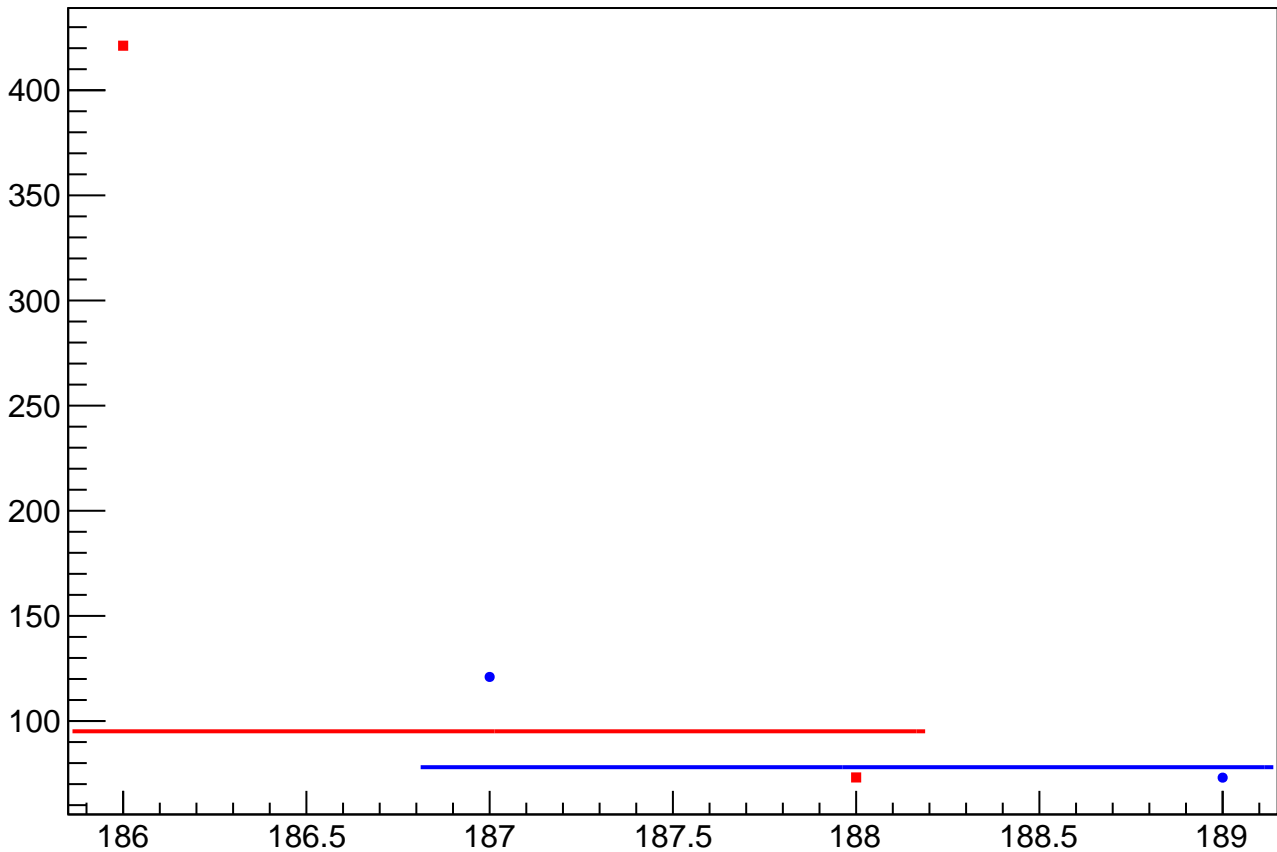
Right:  $-42.039 \pm 87.280$   $\chi^2/\text{NDF}: 1.1/3$

In:  $-0.799 \pm 100.927$   $\chi^2/\text{NDF}: 0.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-42.039 \pm 87.280$   $\chi^2/\text{NDF}: 1.1/3$

# dit\_asym\_sam\_37\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 78.049+/-0.071  $\chi^2$ /NDF: 41877.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 95.117+/-0.123  $\chi^2$ /NDF: 473687.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 82.353+/-0.062  $\chi^2$ /NDF: 529988.3/3

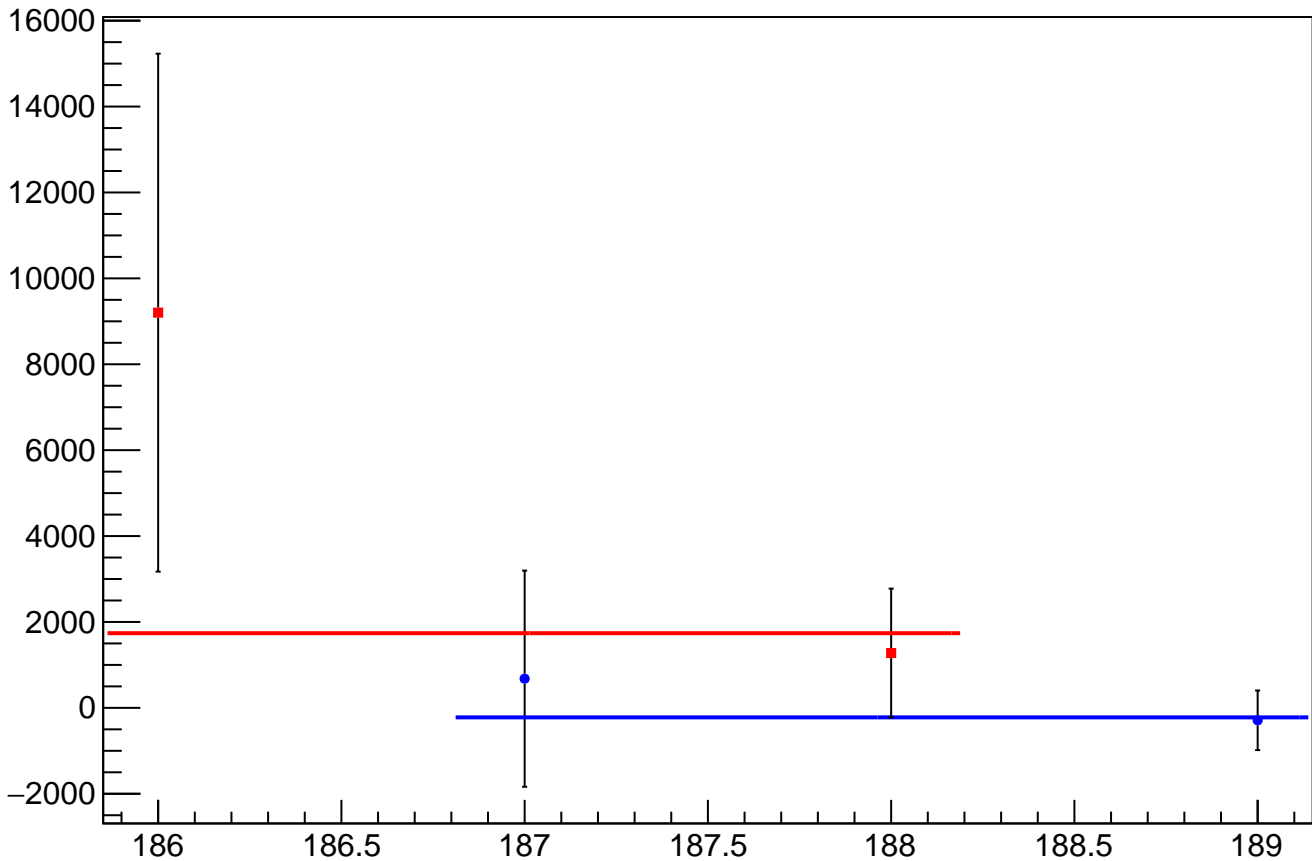
In: 78.049+/-0.071  $\chi^2$ /NDF:41877.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 82.353+/-0.062  $\chi^2$ /NDF: 529988.3/3



asym\_sam\_37\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -221.085+/-668.885  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1738.650+/-1455.032  $\chi^2$ /NDF: 1.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

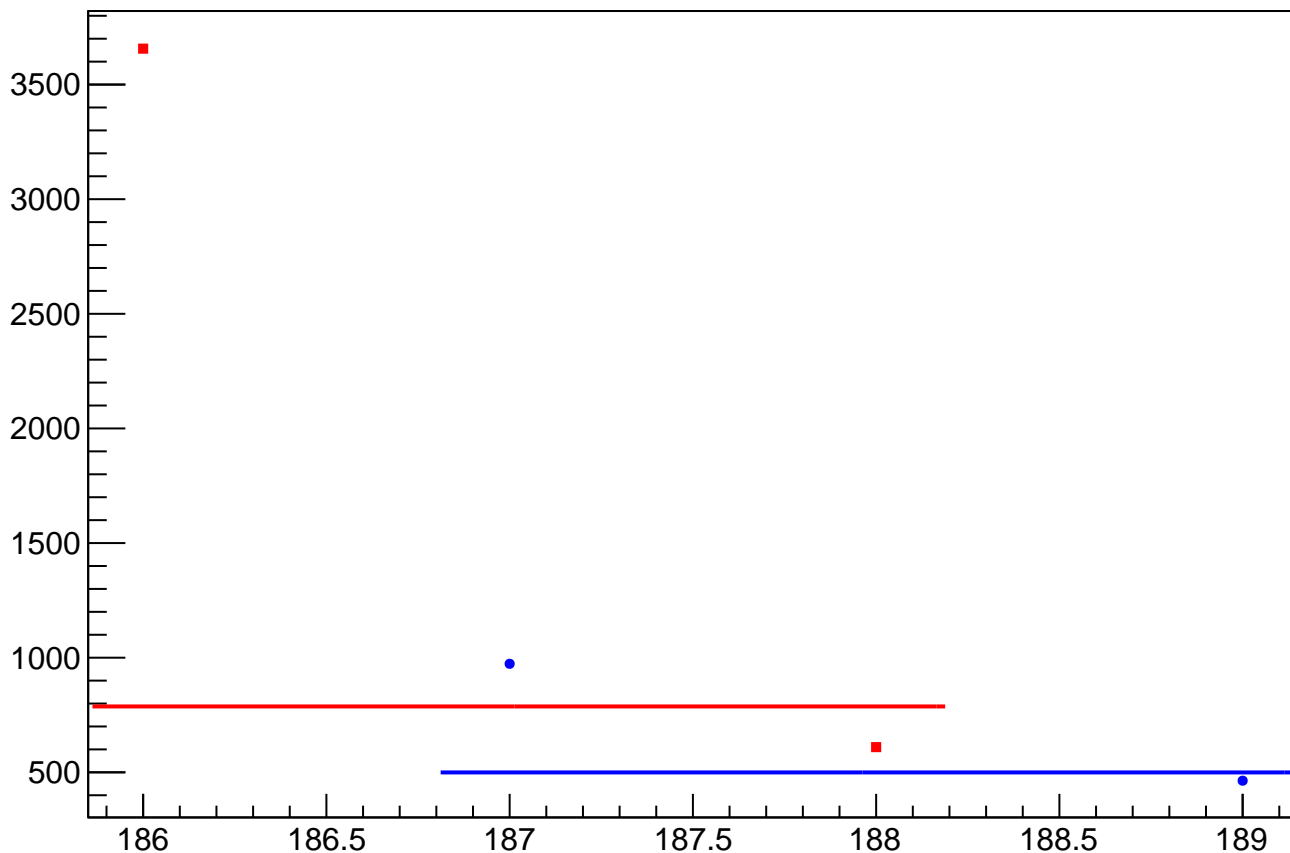
Right: 120.811+/-607.744  $\chi^2$ /NDF: 3.3/3

In: -221.085+/-668.885  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 120.811+/-607.744  $\chi^2$ /NDF: 3.3/3

# asym\_sam\_37\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 499.524+/-0.473  $\chi^2$ /NDF: 76274.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 787.343+/-1.029  $\chi^2$ /NDF: 480893.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

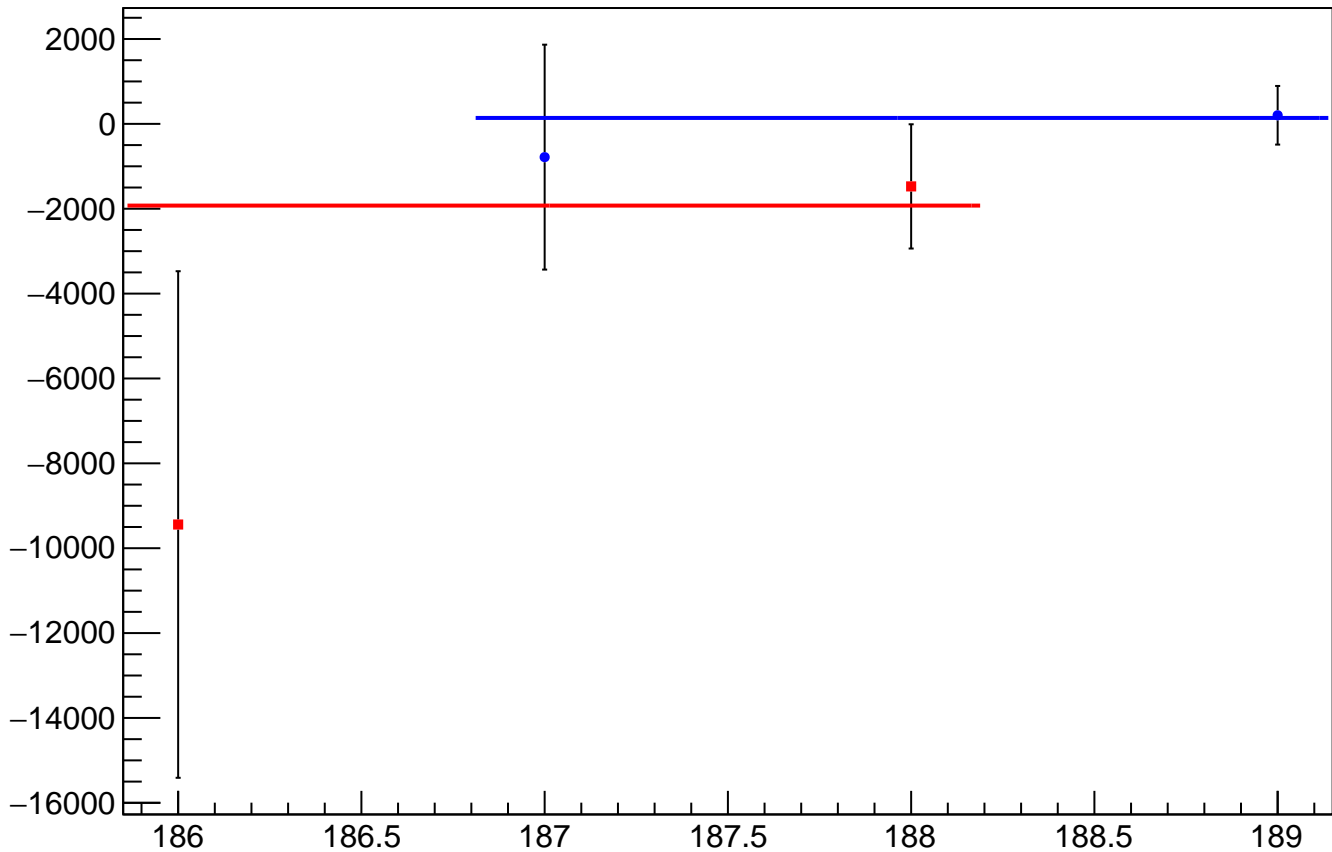
Right: 549.737+/-0.430  $\chi^2$ /NDF: 621773.1/3

In: 499.524+/-0.473  $\chi^2$ /NDF:76274.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 549.737+/-0.430  $\chi^2$ /NDF: 621773.1/3

# asym\_sam\_37\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 139.802+/-668.669  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1925.731+/-1421.906  $\chi^2$ /NDF: 1.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

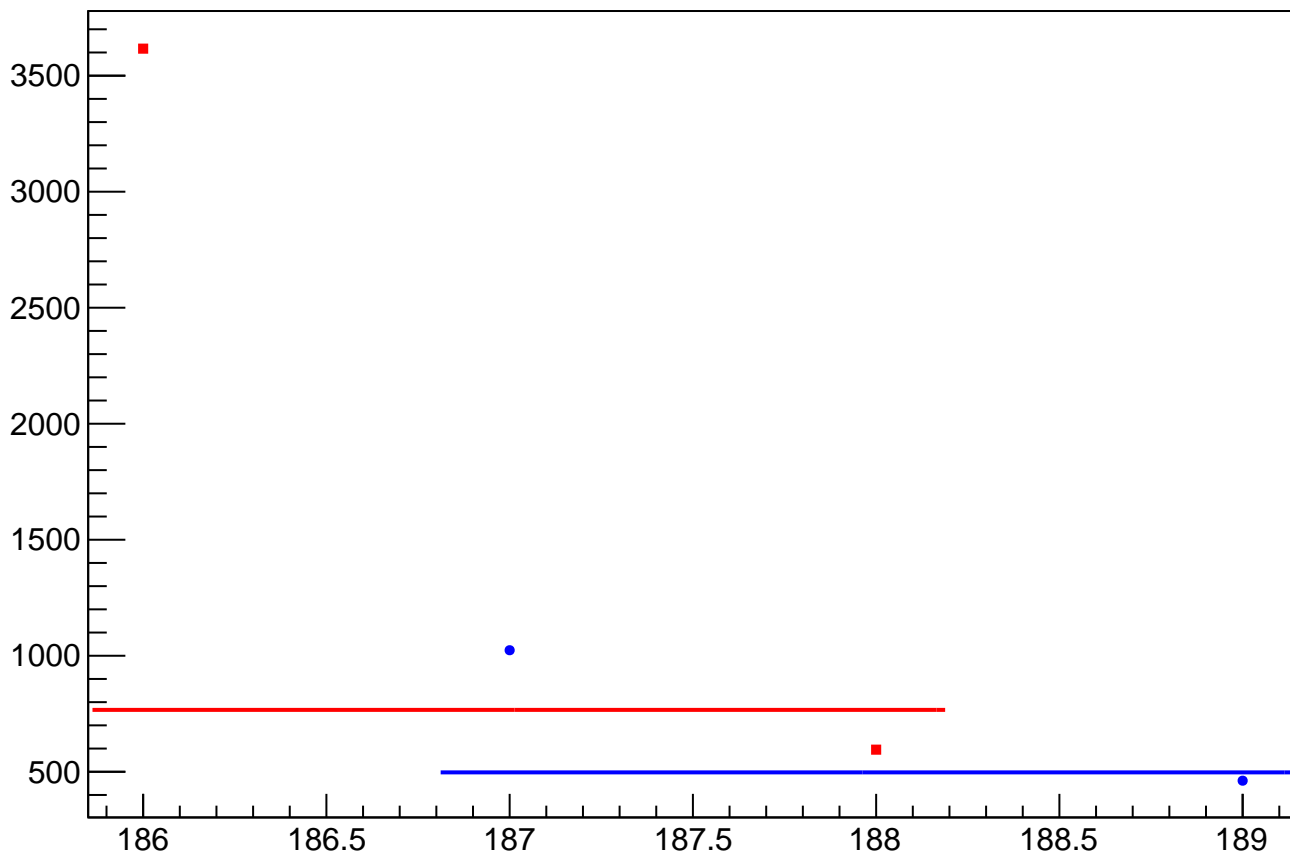
Right: -234.261+/-605.100  $\chi^2$ /NDF: 3.5/3

In: 139.802+/-668.669  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -234.261+/-605.100  $\chi^2$ /NDF: 3.5/3

# asym\_sam\_37\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 497.347+/-0.473  $\chi^2/\text{NDF}$ : 84293.4/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 766.696+/-1.005  $\chi^2/\text{NDF}$ : 483308.4/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

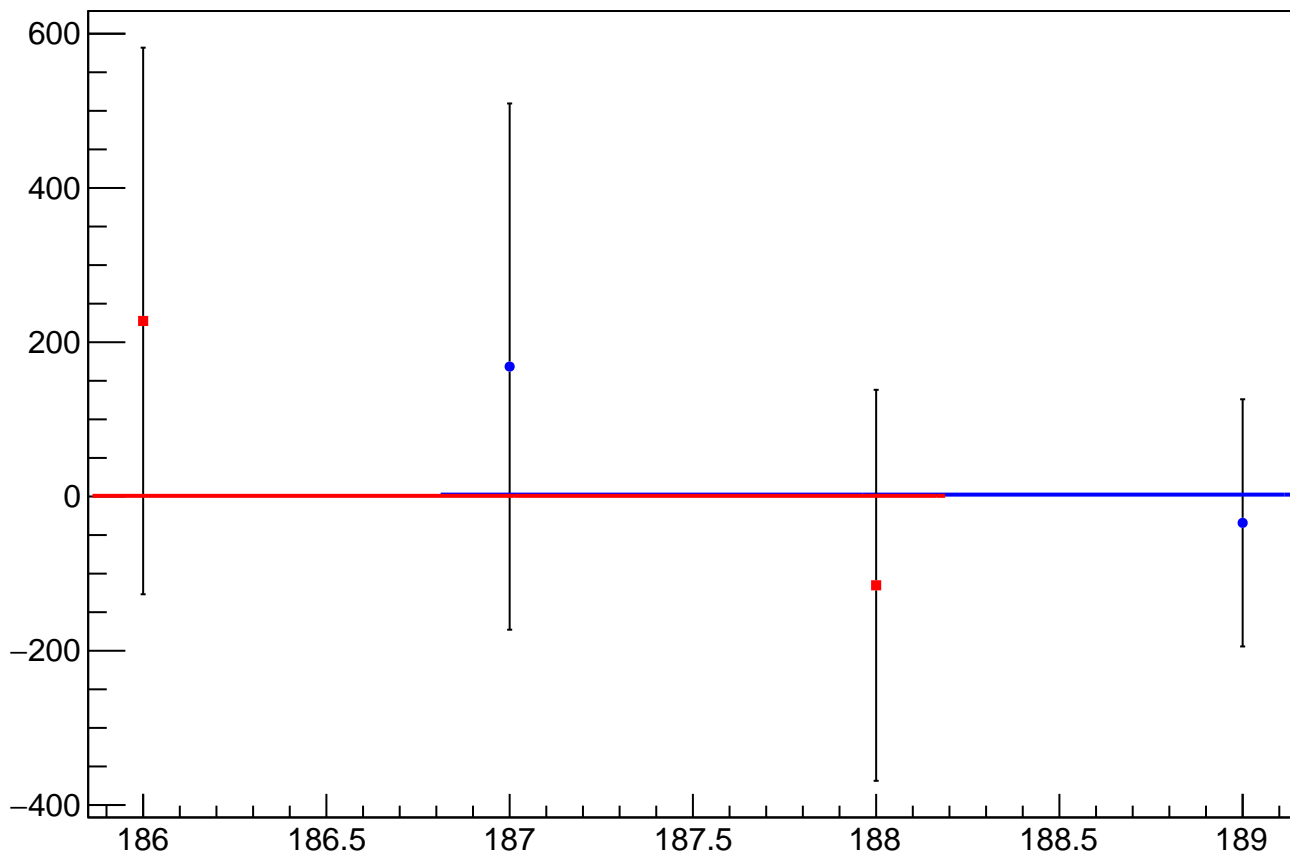
Right: 546.126+/-0.428  $\chi^2/\text{NDF}$ : 626371.2/3

In: 497.347+/-0.473  $\chi^2/\text{NDF}$ : 84293.4/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 546.126+/-0.428  $\chi^2/\text{NDF}$ : 626371.2/3

# dit\_asym\_sam\_15\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 2.439+/-145.028  $\chi^2$ /NDF: 0.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.846+/-206.143  $\chi^2$ /NDF: 0.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

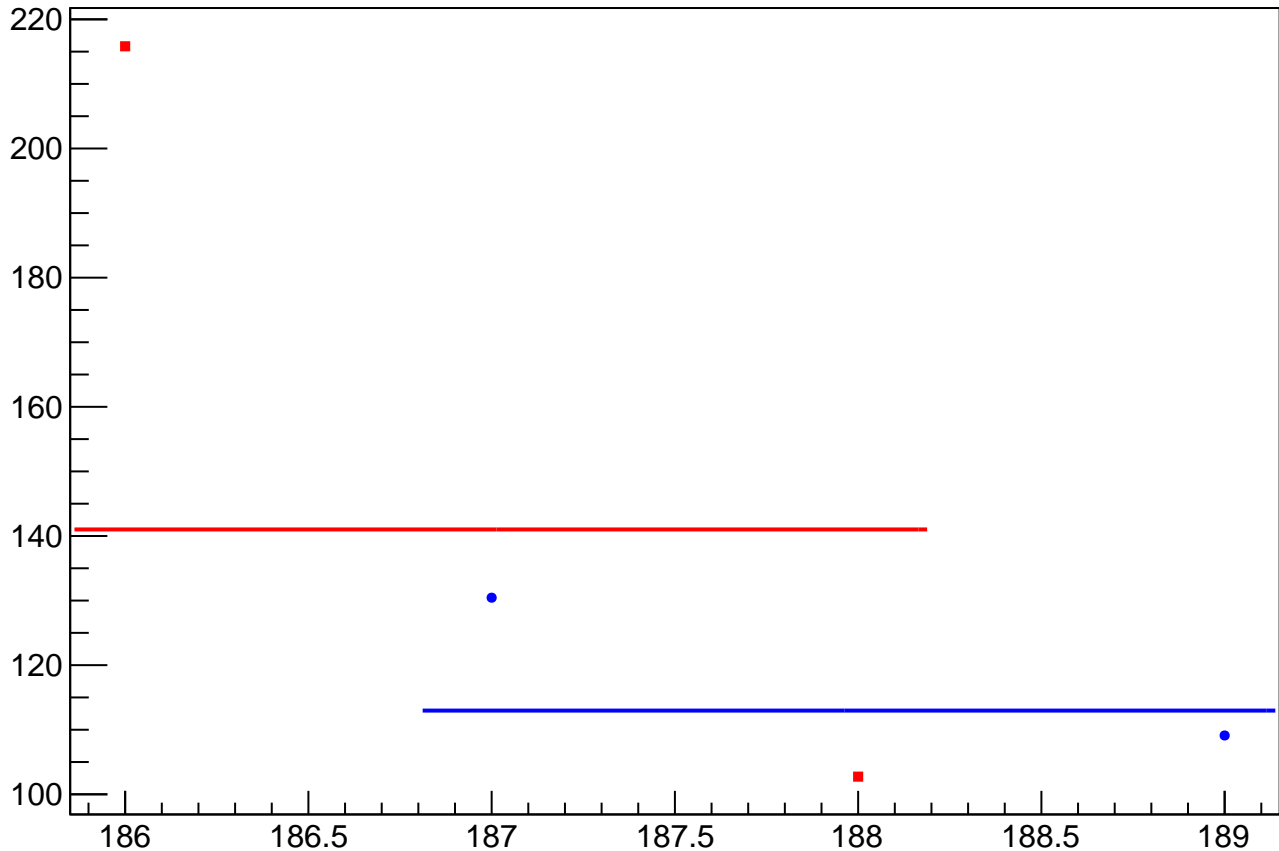
Right: 1.912+/-118.614  $\chi^2$ /NDF: 0.9/3

In: 2.439+/-145.028  $\chi^2$ /NDF:0.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.912+/-118.614  $\chi^2$ /NDF: 0.9/3

# dit\_asym\_sam\_15\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 112.966 $\pm$ 0.103  $\chi^2$ /NDF: 6409.8/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 141.013 $\pm$ 0.146  $\chi^2$ /NDF: 134772.9/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

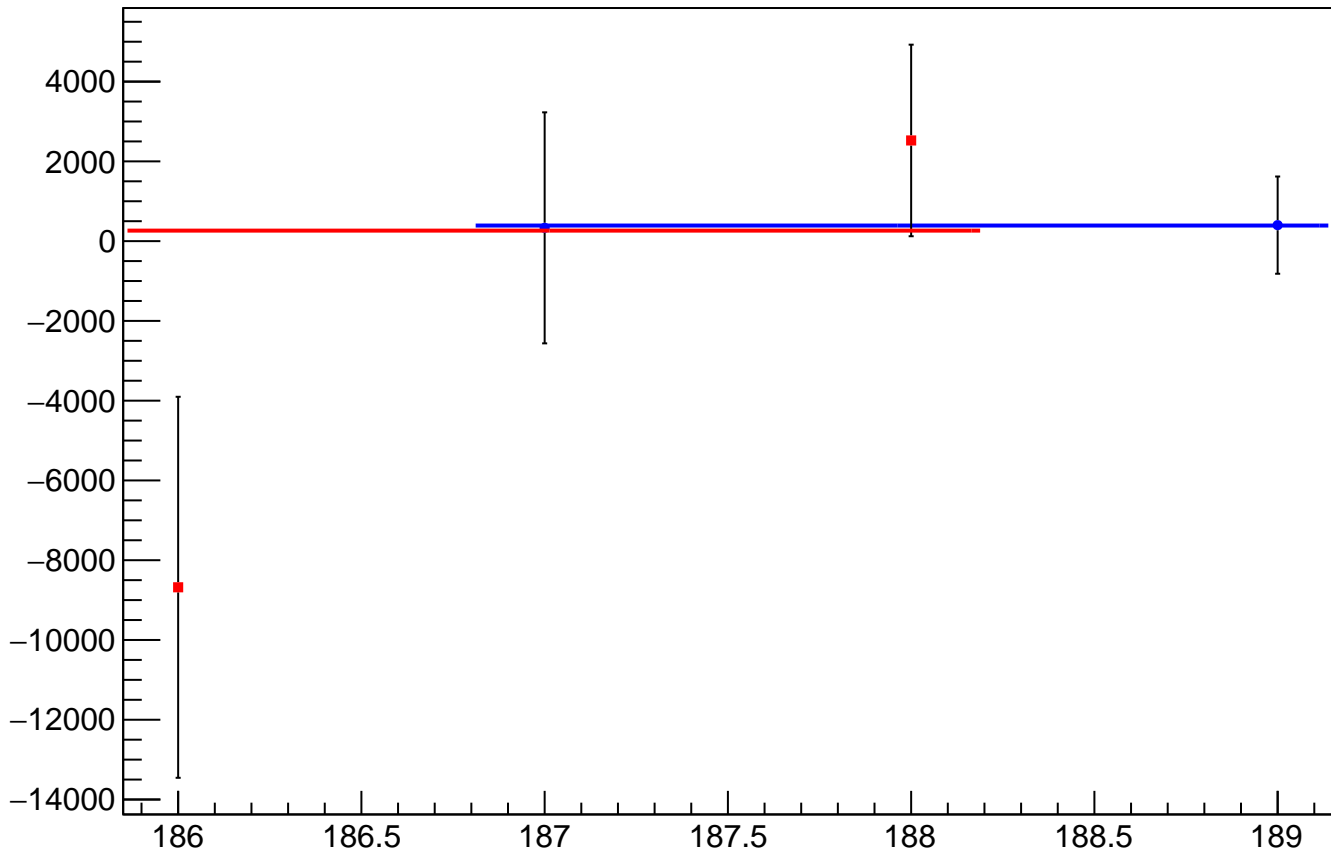
Right: 122.252 $\pm$ 0.084  $\chi^2$ /NDF: 165947.5/3

In: 112.966 $\pm$ 0.103  $\chi^2$ /NDF:6409.8/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 122.252 $\pm$ 0.084  $\chi^2$ /NDF: 165947.5/3

asym\_sam\_15\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 391.105+/-1123.474  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 263.791+/-2145.642  $\chi^2$ /NDF: 4.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

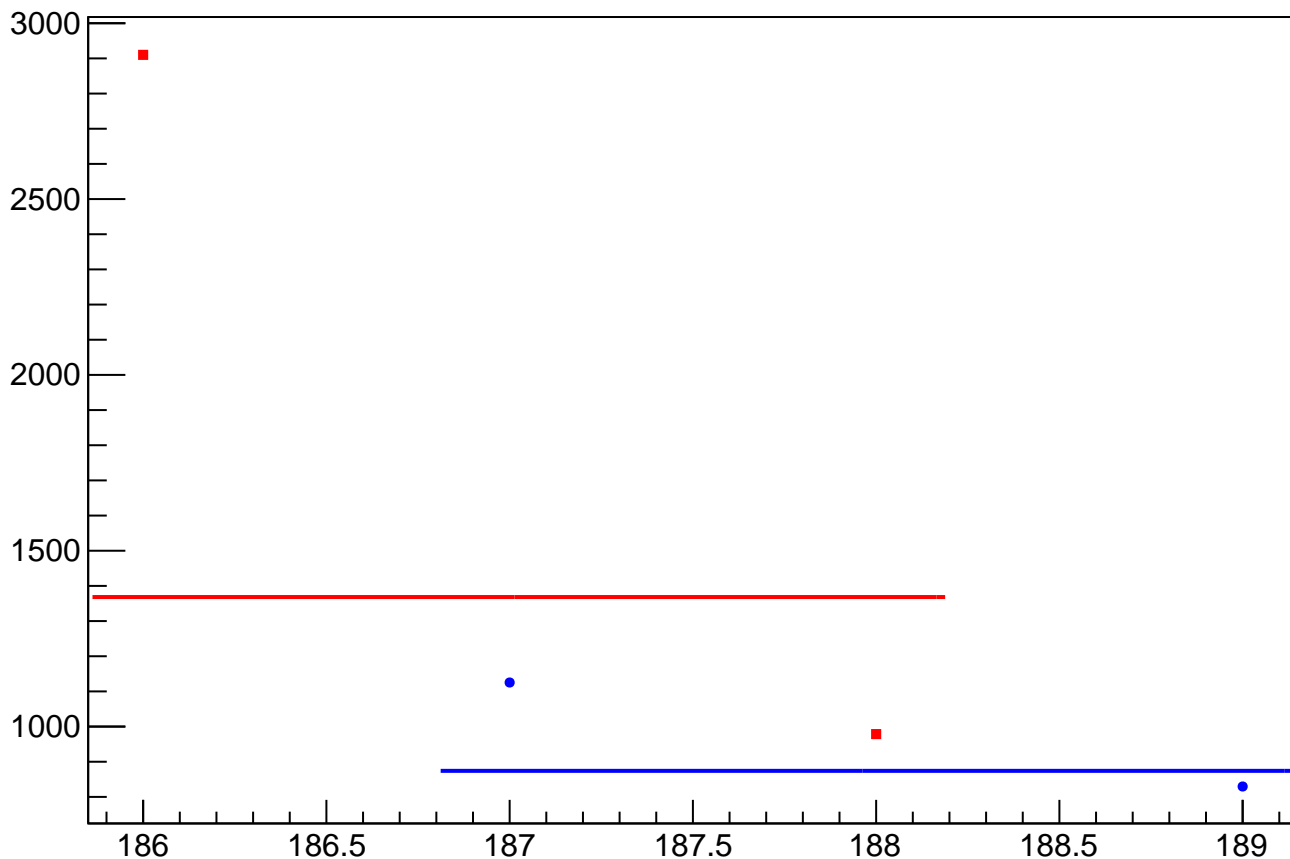
Right: 363.710+/-995.291  $\chi^2$ /NDF: 4.4/3

In: 391.105+/-1123.474  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 363.710+/-995.291  $\chi^2$ /NDF: 4.4/3

# asym\_sam\_15\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 874.100+/-0.794  $\chi^2$ /NDF: 17710.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1368.334+/-1.517  $\chi^2$ /NDF: 261028.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 980.446+/-0.704  $\chi^2$ /NDF: 362021.7/3

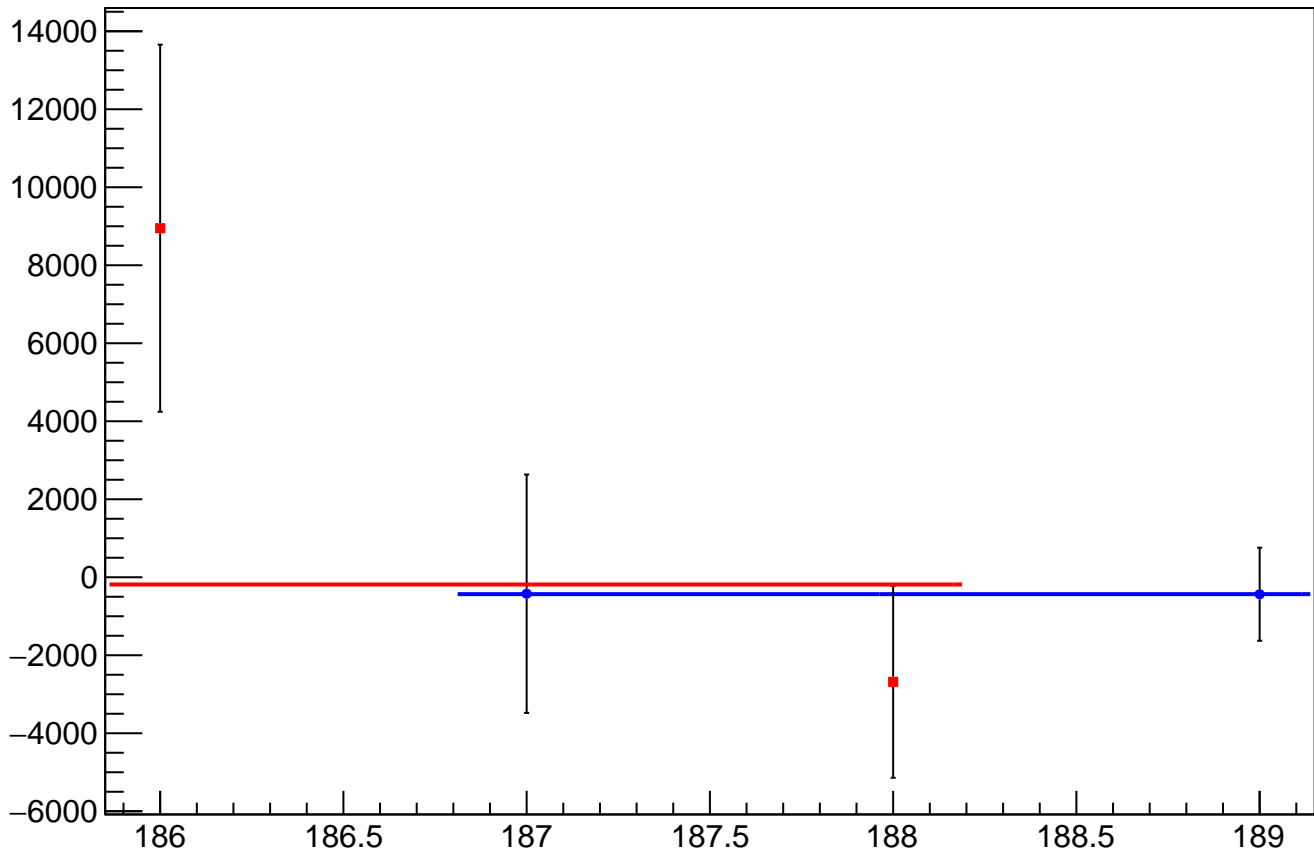
In: 874.100+/-0.794  $\chi^2$ /NDF:17710.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 980.446+/-0.704  $\chi^2$ /NDF: 362021.7/3



# asym\_sam\_15\_26\_dd\_mean vs Slug, Sign Corrected



Right In:  $-433.052 \pm 1111.388$   $\chi^2/\text{NDF}: 0.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-185.154 \pm 2180.377$   $\chi^2/\text{NDF}: 4.8/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

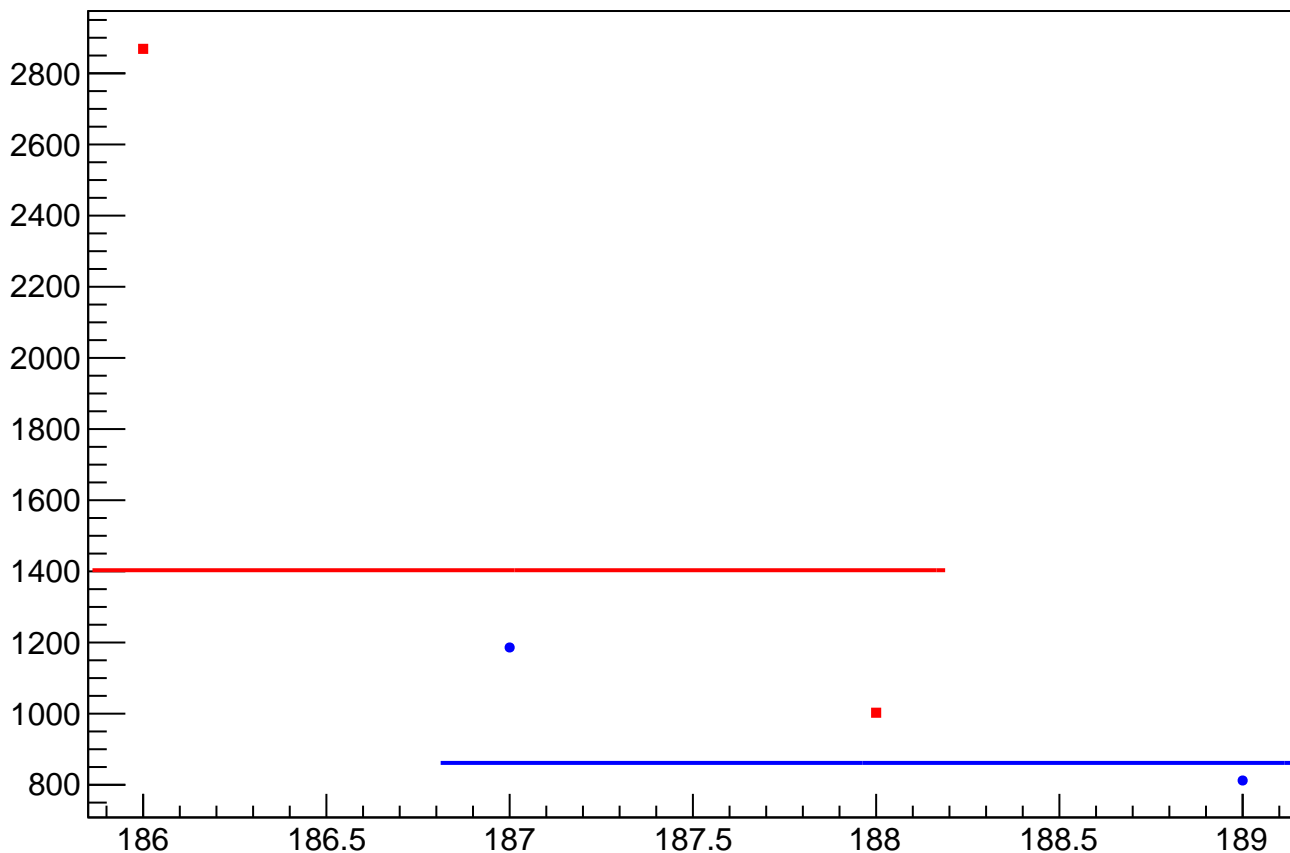
Right:  $-381.927 \pm 990.175$   $\chi^2/\text{NDF}: 4.8/3$

In:  $-433.052 \pm 1111.388$   $\chi^2/\text{NDF}: 0.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-381.927 \pm 990.175$   $\chi^2/\text{NDF}: 4.8/3$

# asym\_sam\_15\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 861.588+/-0.786  $\chi^2$ /NDF: 25984.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1403.201+/-1.542  $\chi^2$ /NDF: 246967.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

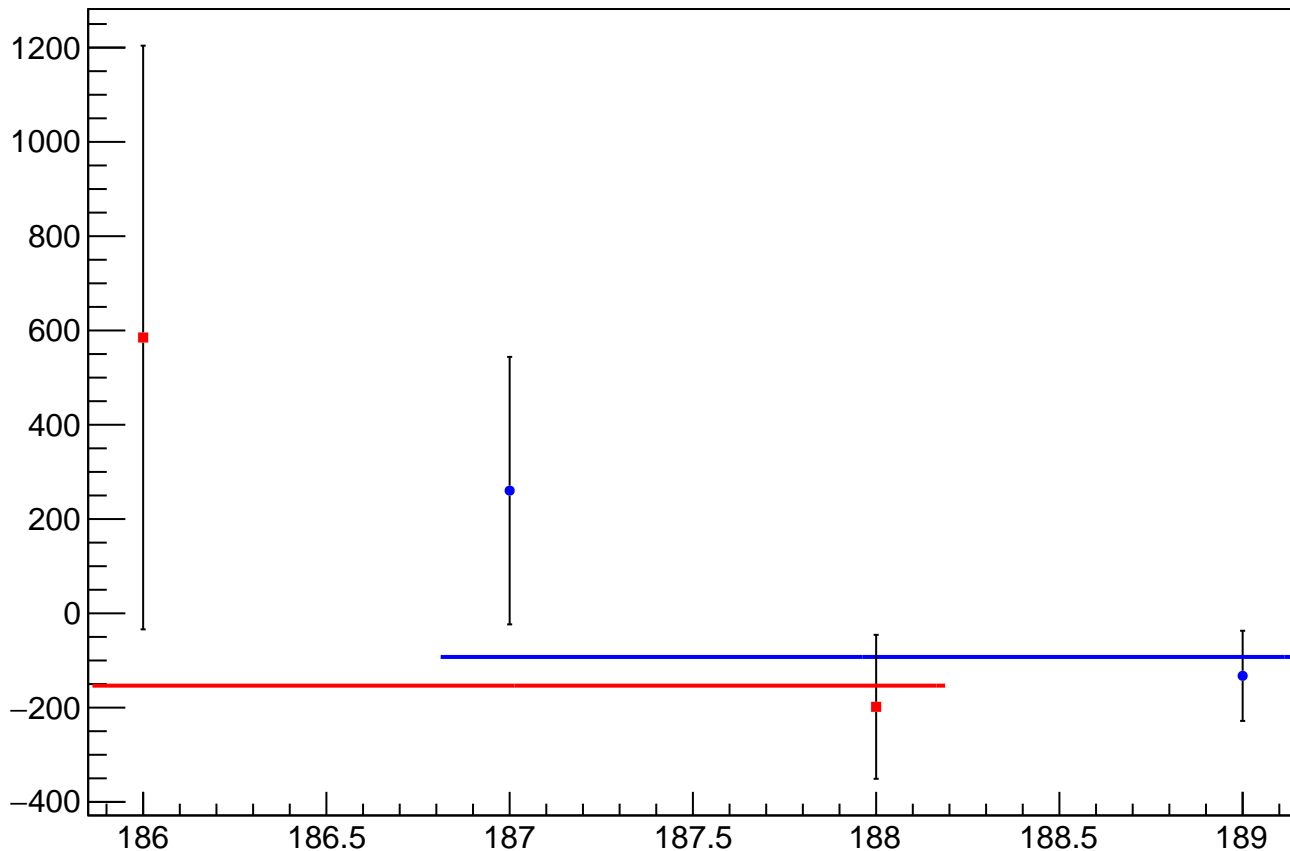
Right: 973.287+/-0.700  $\chi^2$ /NDF: 370908.9/3

In: 861.588+/-0.786  $\chi^2$ /NDF:25984.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 973.287+/-0.700  $\chi^2$ /NDF: 370908.9/3

# dit\_asym\_sam\_37\_26\_dd\_mean vs Slug, Sign Corrected



Right In:  $-92.487 \pm 90.601$   $\chi^2/\text{NDF}$ : 1.7/1

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-153.360 \pm 148.236$   $\chi^2/\text{NDF}$ : 1.5/1

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

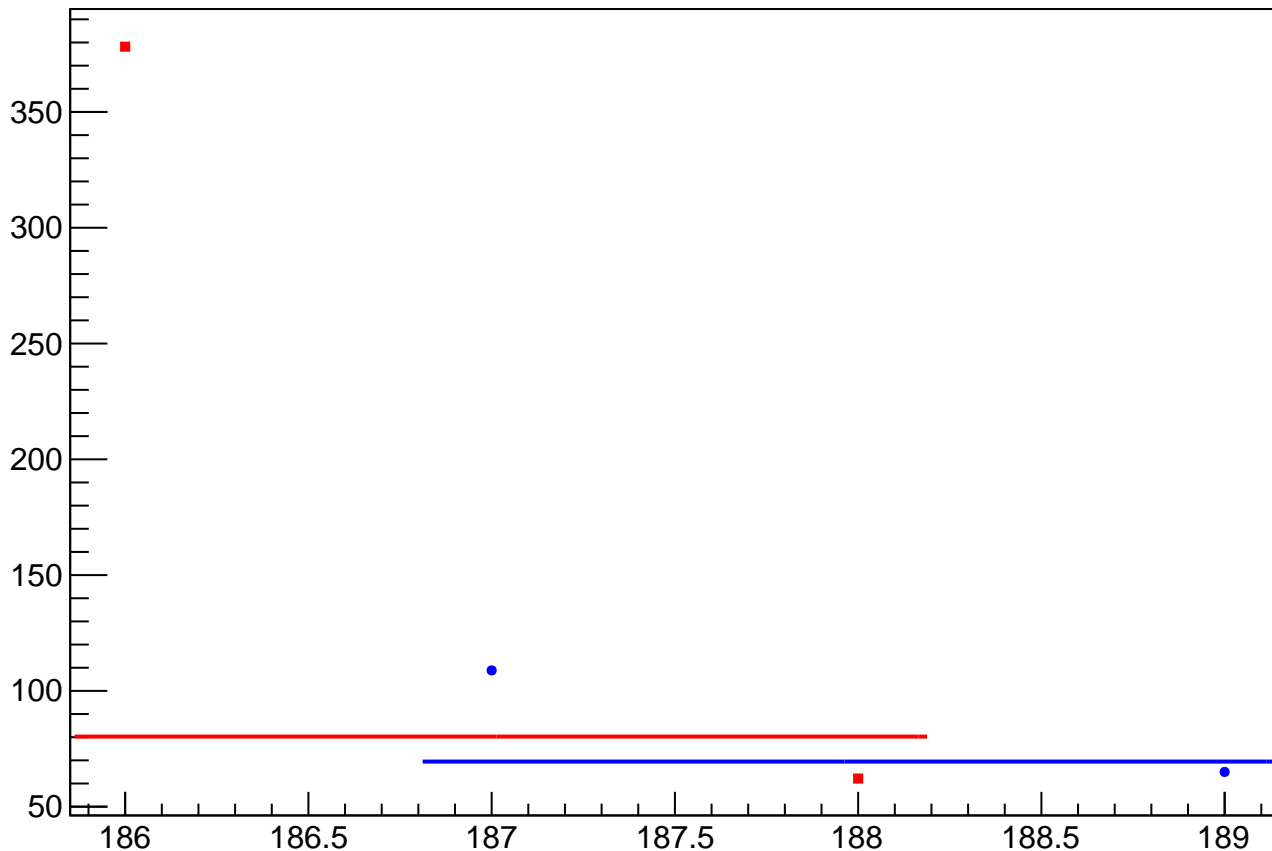
Right:  $-109.042 \pm 77.305$   $\chi^2/\text{NDF}$ : 3.4/3

In:  $-92.487 \pm 90.601$   $\chi^2/\text{NDF}$ : 1.7/1

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-109.042 \pm 77.305$   $\chi^2/\text{NDF}$ : 3.4/3

# dit\_asym\_sam\_37\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 69.474+/-0.064  $\chi^2$ /NDF: 42908.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 80.266+/-0.105  $\chi^2$ /NDF: 491433.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

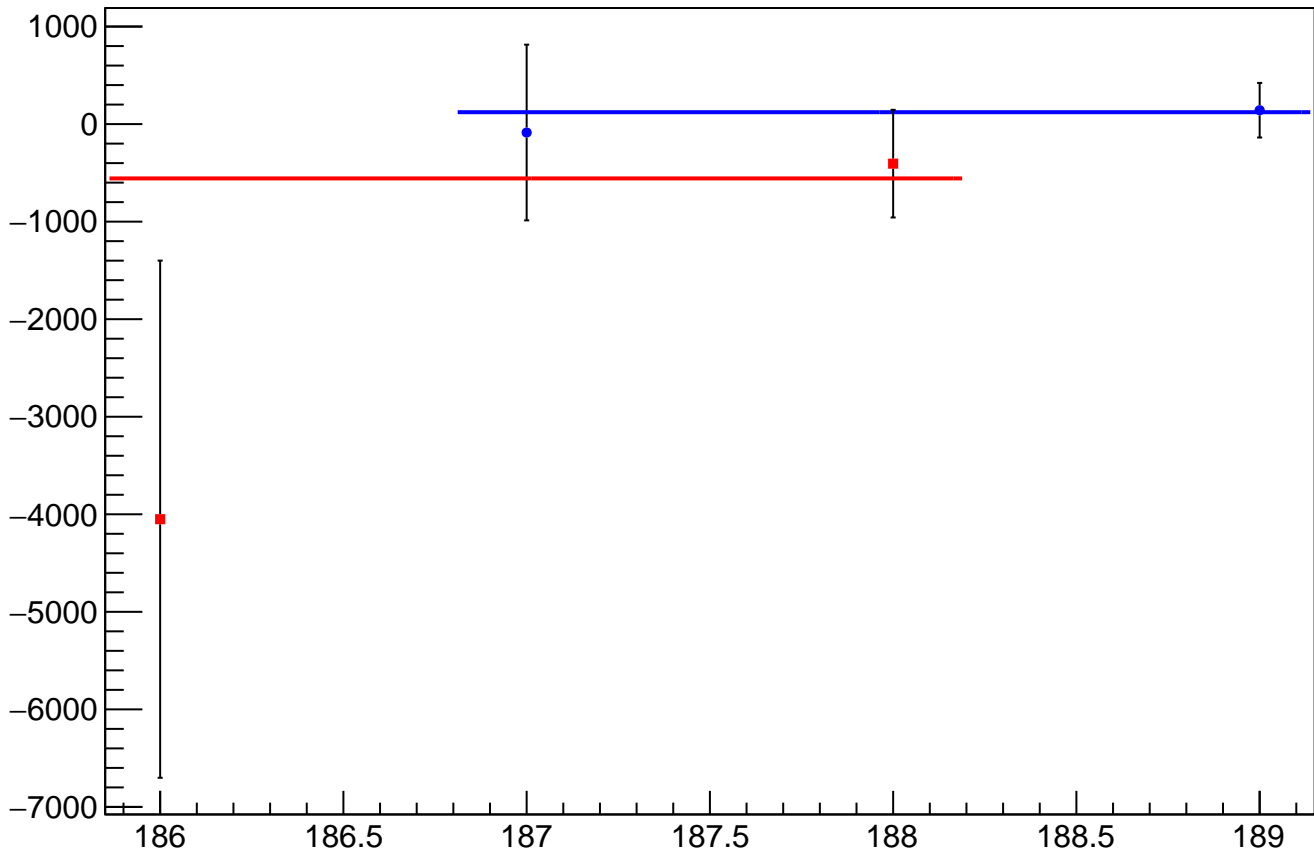
Right: 72.409+/-0.055  $\chi^2$ /NDF: 542060.1/3

In: 69.474+/-0.064  $\chi^2$ /NDF:42908.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 72.409+/-0.055  $\chi^2$ /NDF: 542060.1/3

# asym\_sam\_37\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 122.070+/-267.200  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -556.858+/-540.188  $\chi^2$ /NDF: 1.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

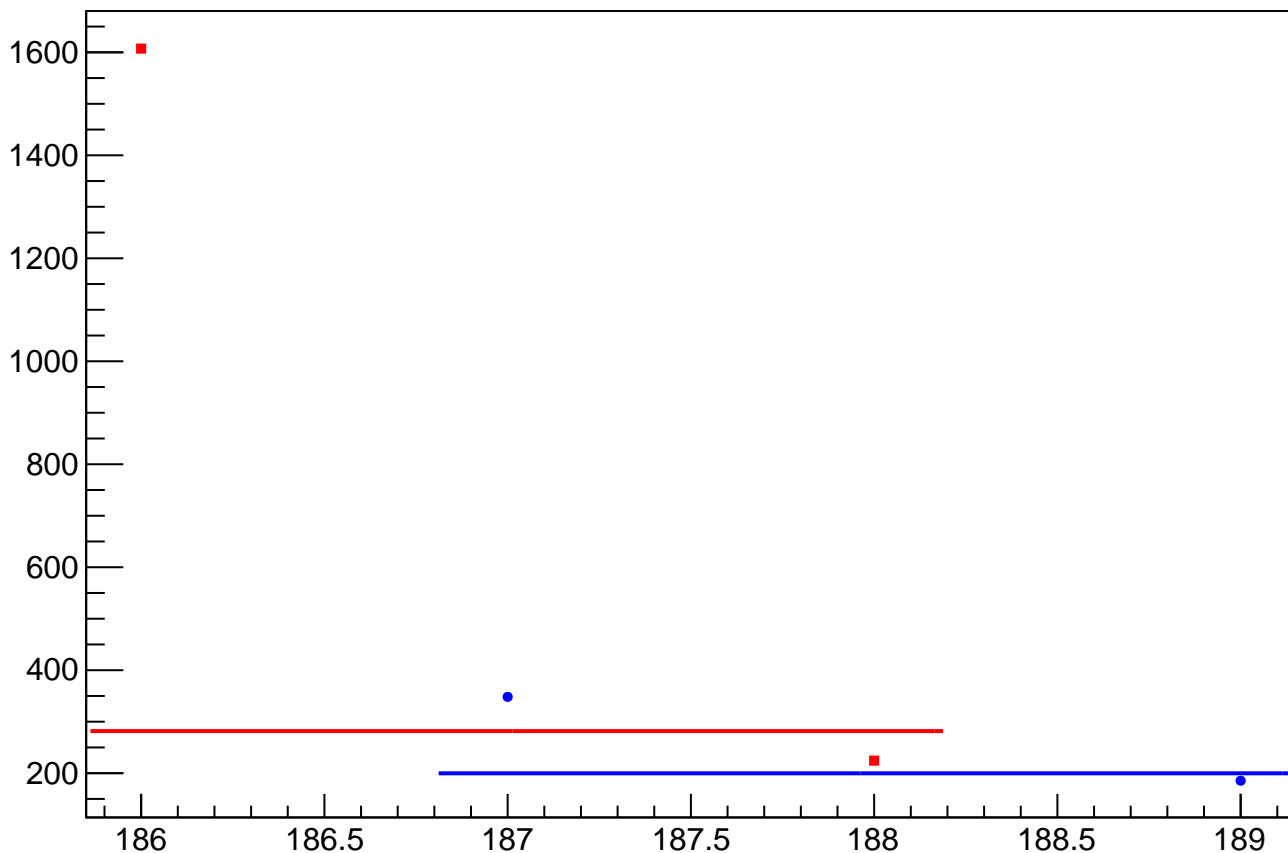
Right: -11.390+/-239.502  $\chi^2$ /NDF: 3.1/3

In: 122.070+/-267.200  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -11.390+/-239.502  $\chi^2$ /NDF: 3.1/3

# asym\_sam\_37\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 199.752+/-0.189  $\chi^2$ /NDF: 59606.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 281.777+/-0.382  $\chi^2$ /NDF: 521584.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

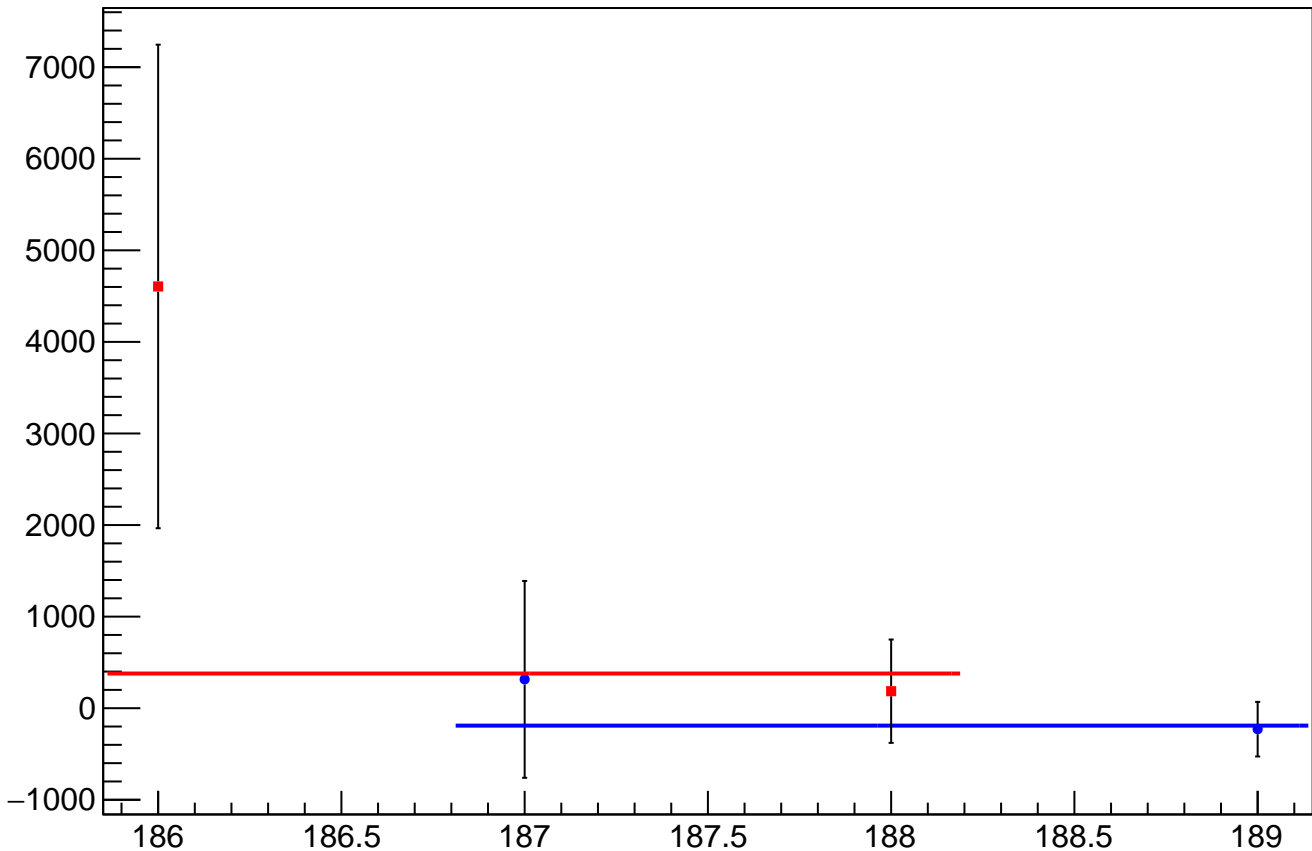
Right: 215.876+/-0.169  $\chi^2$ /NDF: 618240.8/3

In: 199.752+/-0.189  $\chi^2$ /NDF:59606.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 215.876+/-0.169  $\chi^2$ /NDF: 618240.8/3

# asym\_sam\_37\_26\_dd\_mean vs Slug, Sign Corrected



Right In: -190.213+/-287.148  $\chi^2$ /NDF: 0.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 378.773+/-551.788  $\chi^2$ /NDF: 2.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

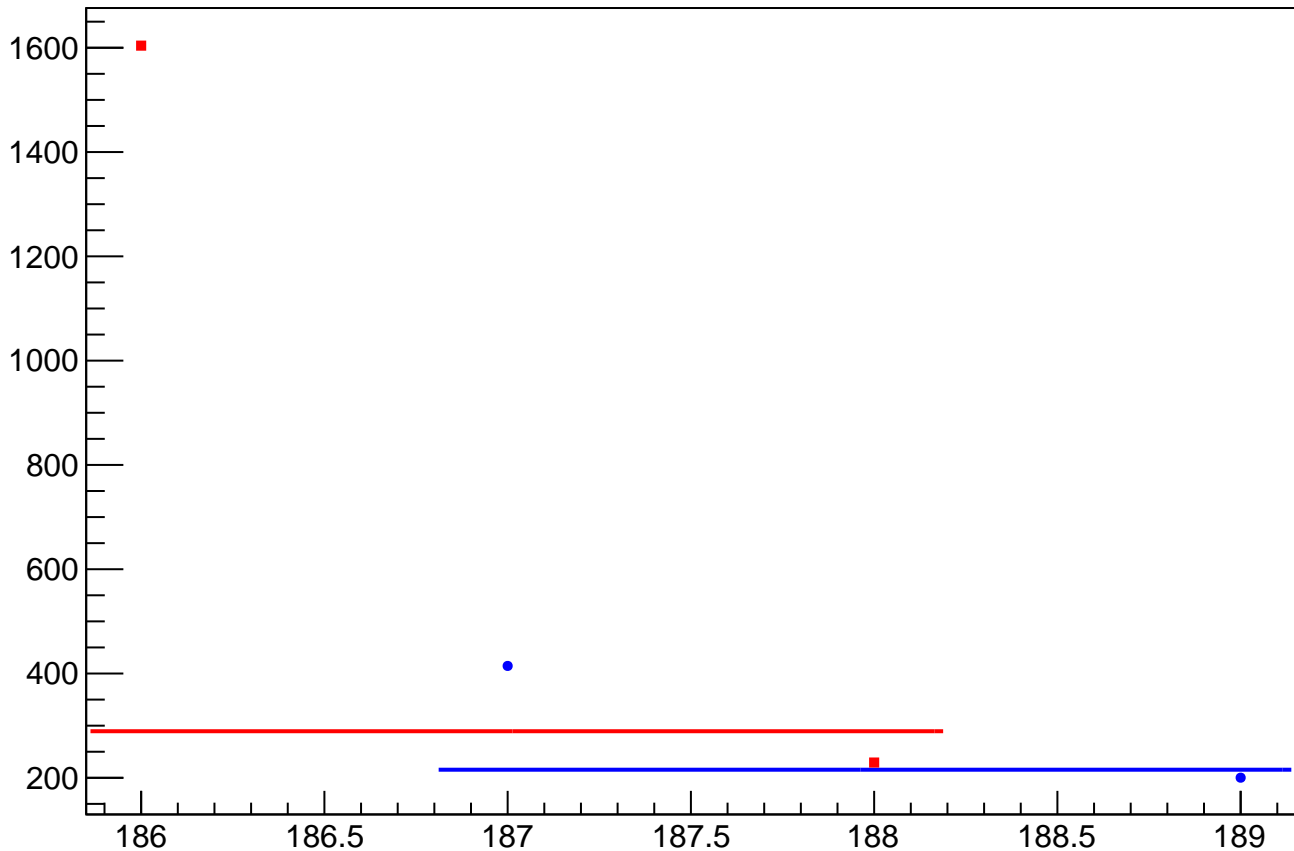
Right: -68.961+/-254.721  $\chi^2$ /NDF: 3.8/3

In: -190.213+/-287.148  $\chi^2$ /NDF:0.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -68.961+/-254.721  $\chi^2$ /NDF: 3.8/3

# asym\_sam\_37\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 215.536 $\pm$ 0.203  $\chi^2$ /NDF: 73849.2/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 289.335 $\pm$ 0.390  $\chi^2$ /NDF: 518569.4/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 231.263 $\pm$ 0.180  $\chi^2$ /NDF: 620570.6/3

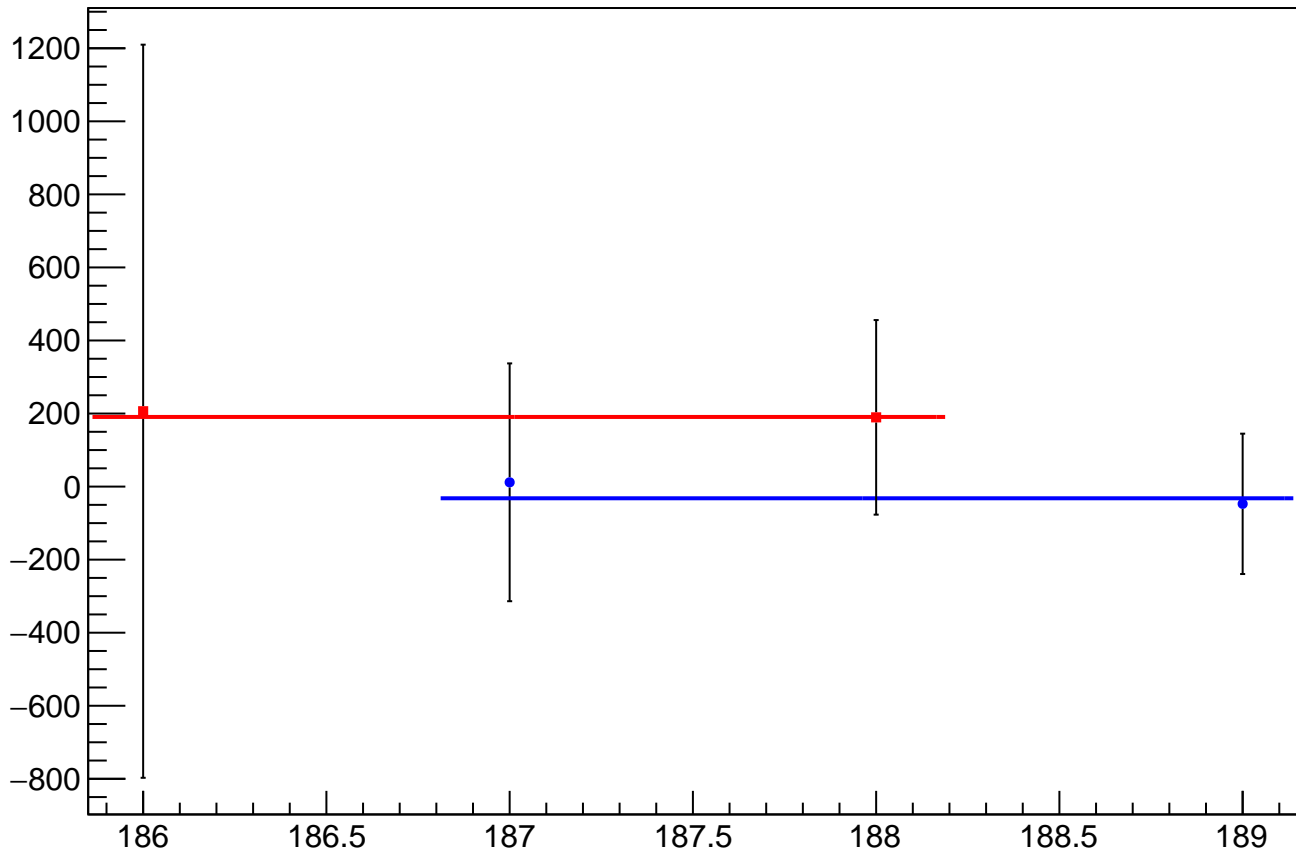
In: 215.536 $\pm$ 0.203  $\chi^2$ /NDF:73849.2/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 231.263 $\pm$ 0.180  $\chi^2$ /NDF: 620570.6/3



# dit\_asym\_sam\_1357\_avg\_mean vs Slug, Sign Corrected



Right In:  $-32.007 \pm 165.455$   $\chi^2/\text{NDF}: 0.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $190.662 \pm 257.446$   $\chi^2/\text{NDF}: 0.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

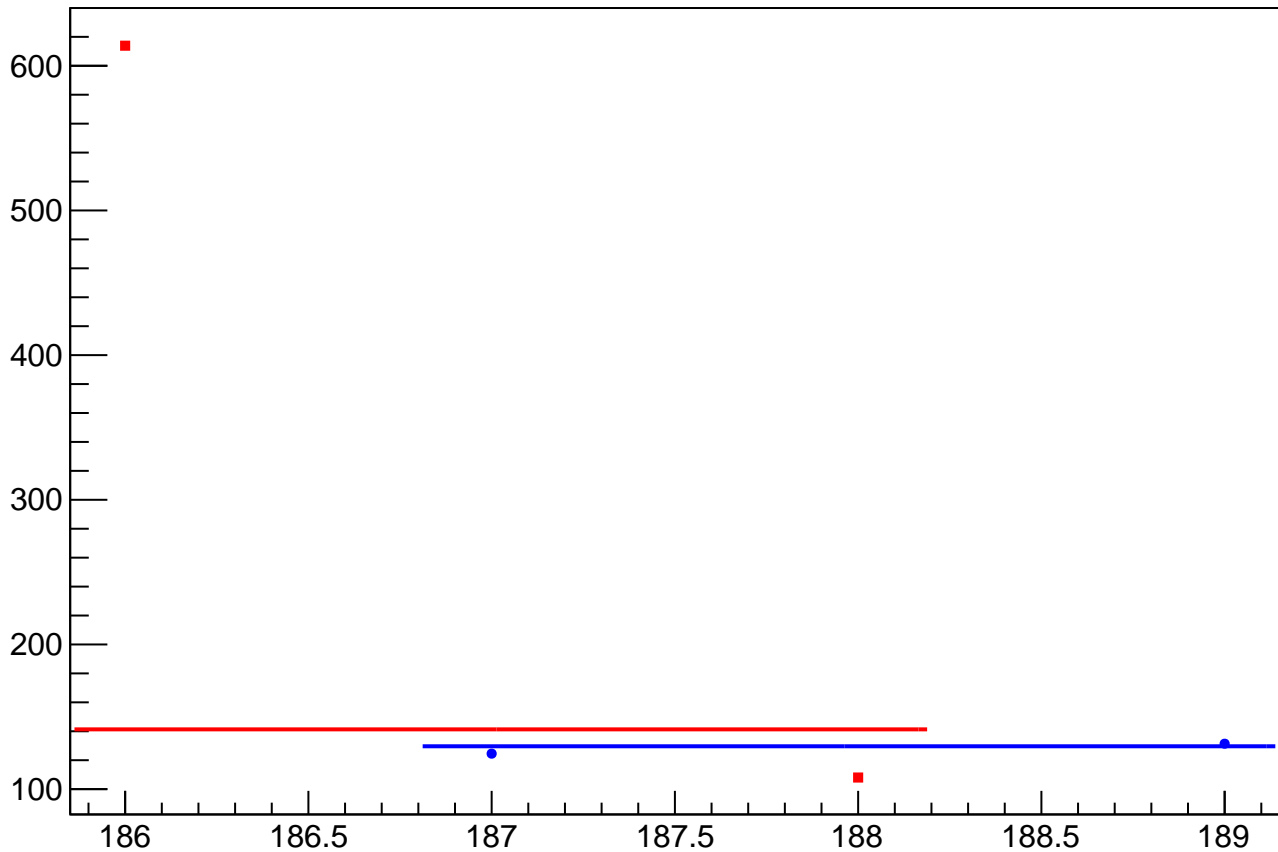
Right:  $33.080 \pm 139.188$   $\chi^2/\text{NDF}: 0.6/3$

In:  $-32.007 \pm 165.455$   $\chi^2/\text{NDF}: 0.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $33.080 \pm 139.188$   $\chi^2/\text{NDF}: 0.6/3$

# dit\_asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 129.625 $\pm$ 0.117  $\chi^2$ /NDF: 661.1/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 141.318 $\pm$ 0.182  $\chi^2$ /NDF: 474746.0/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

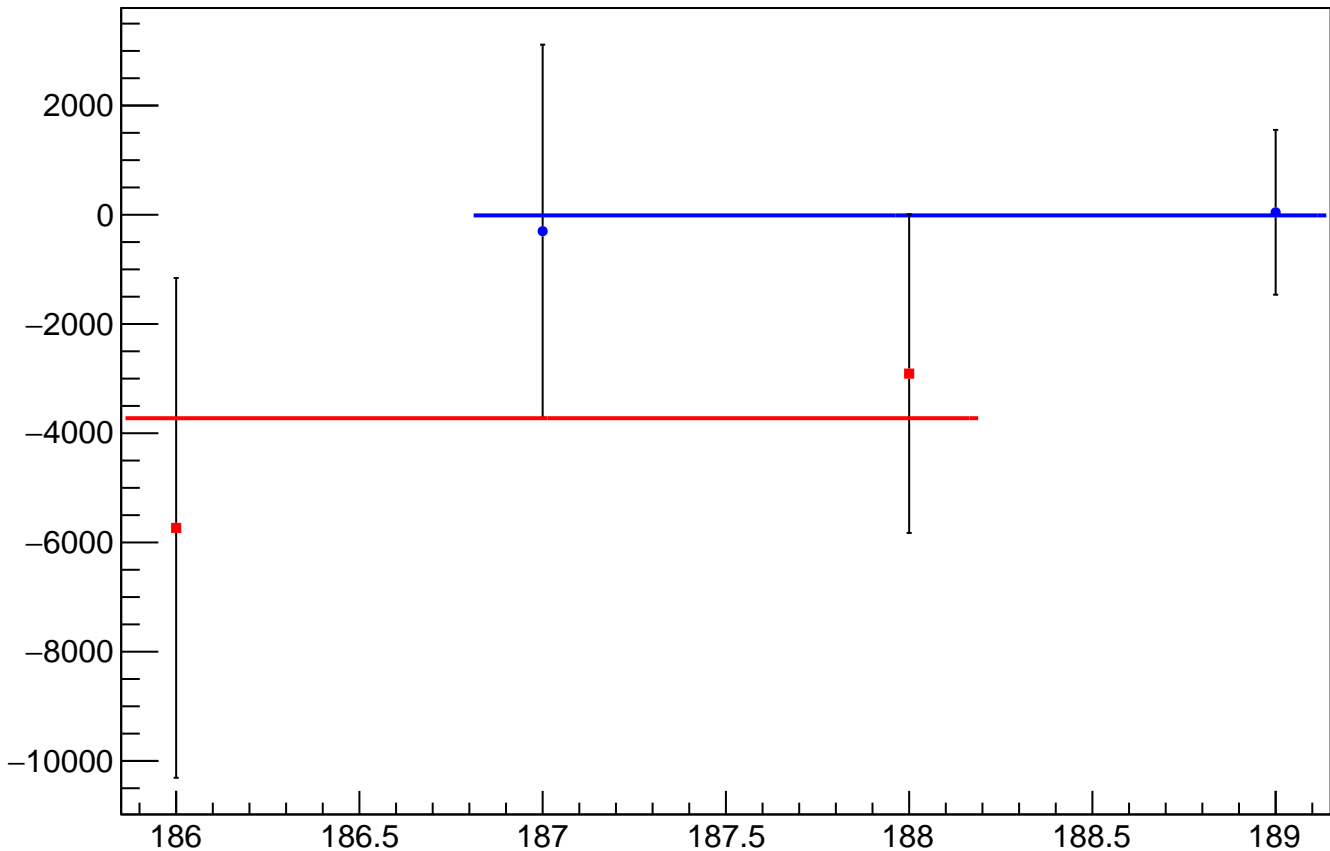
Right: 133.043 $\pm$ 0.098  $\chi^2$ /NDF: 478326.7/3

In: 129.625 $\pm$ 0.117  $\chi^2$ /NDF:661.1/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 133.043 $\pm$ 0.098  $\chi^2$ /NDF: 478326.7/3

asym\_sam\_1357\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -11.414+/-1380.002  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -3724.866+/-2460.270  $\chi^2$ /NDF: 0.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

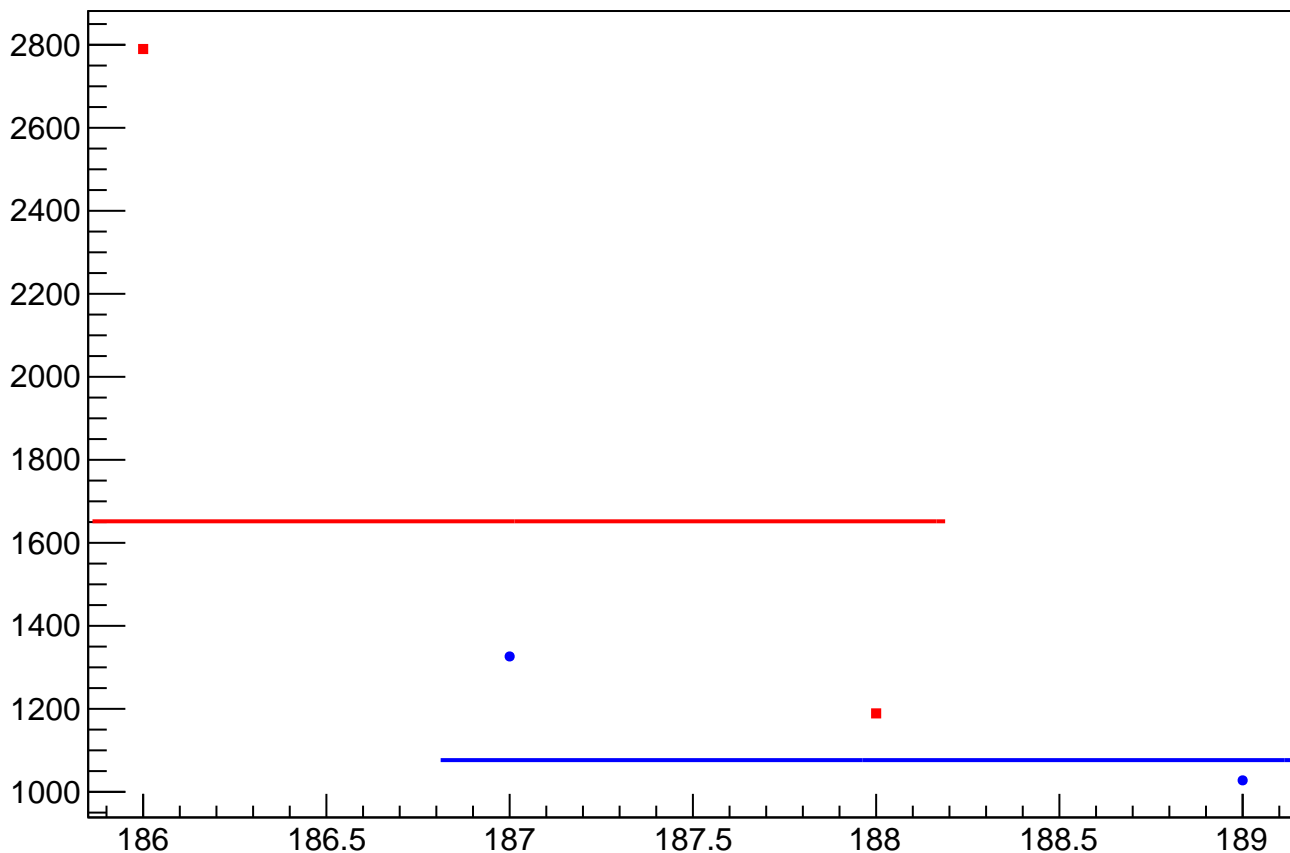
Right: -900.144+/-1203.590  $\chi^2$ /NDF: 2.0/3

In: -11.414+/-1380.002  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -900.144+/-1203.590  $\chi^2$ /NDF: 2.0/3

# asym\_sam\_1357\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1076.463+/-0.976  $\chi^2$ /NDF: 12791.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1651.867+/-1.740  $\chi^2$ /NDF: 174023.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

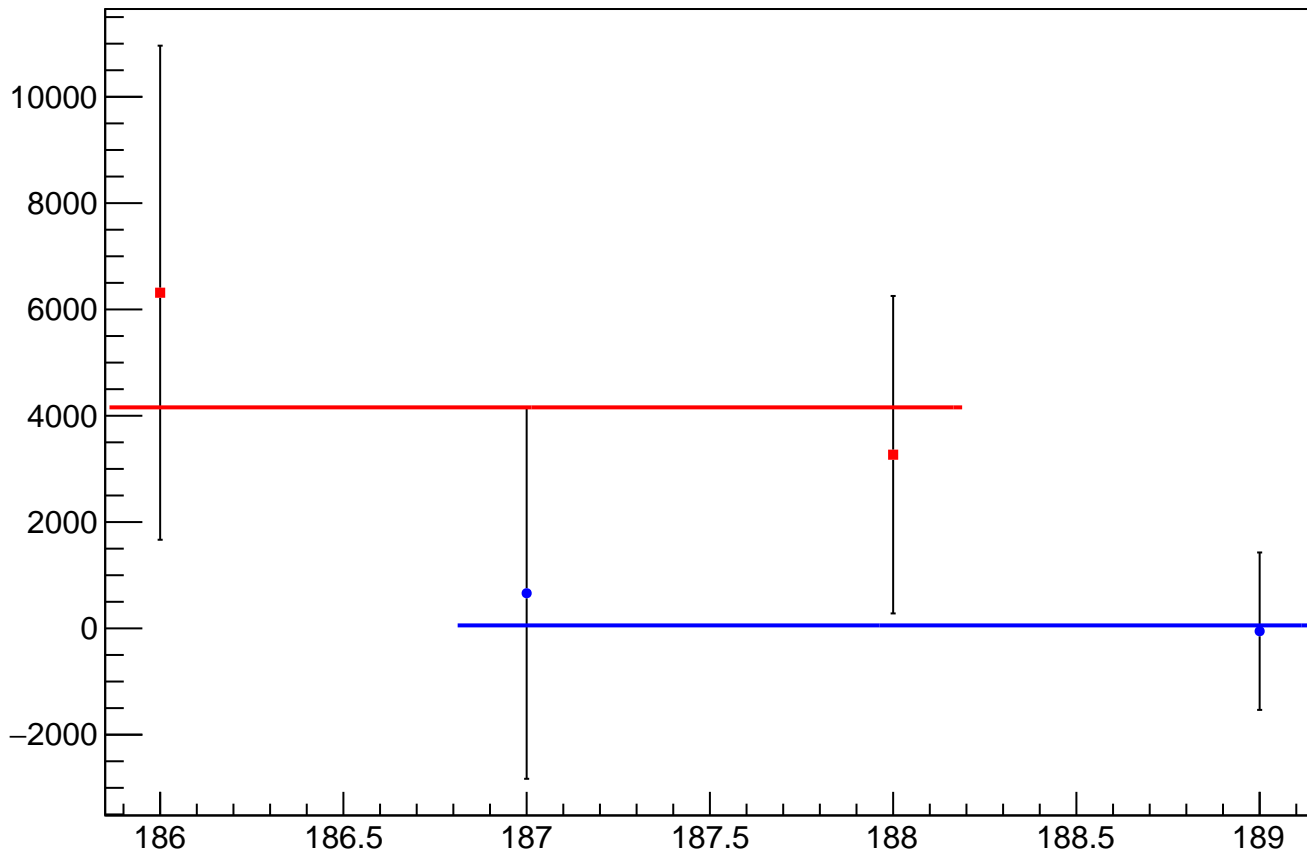
Right: 1214.173+/-0.851  $\chi^2$ /NDF: 270031.1/3

In: 1076.463+/-0.976  $\chi^2$ /NDF:12791.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1214.173+/-0.851  $\chi^2$ /NDF: 270031.1/3

# asym\_sam\_1357\_avg\_mean vs Slug, Sign Corrected



Right In: 56.117+/-1363.193  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4157.867+/-2512.239  $\chi^2$ /NDF: 0.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

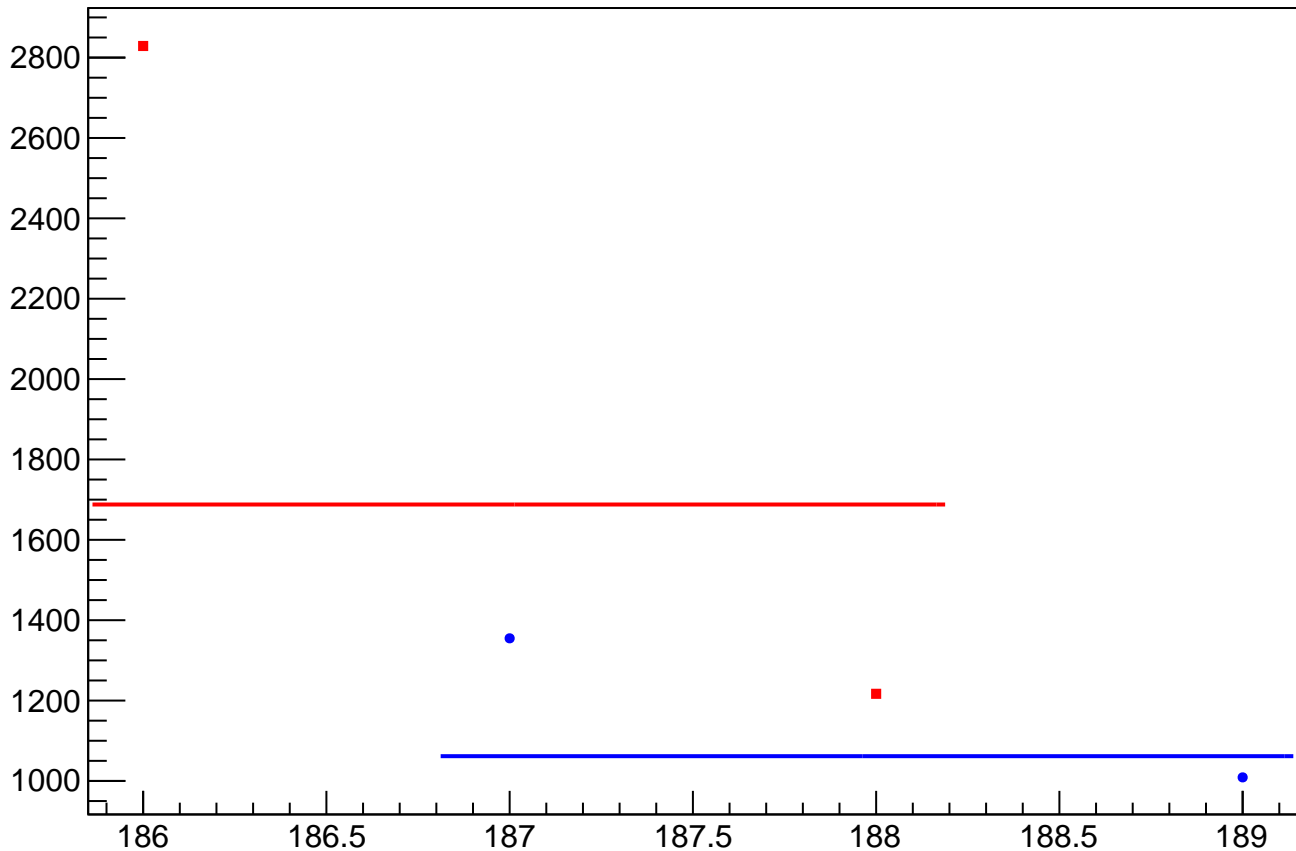
Right: 989.116+/-1198.166  $\chi^2$ /NDF: 2.4/3

In: 56.117+/-1363.193  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 989.116+/-1198.166  $\chi^2$ /NDF: 2.4/3

# asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 1061.636+/-0.964  $\chi^2/\text{NDF}$ : 16653.2/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 1687.894+/-1.776  $\chi^2/\text{NDF}$ : 170312.6/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

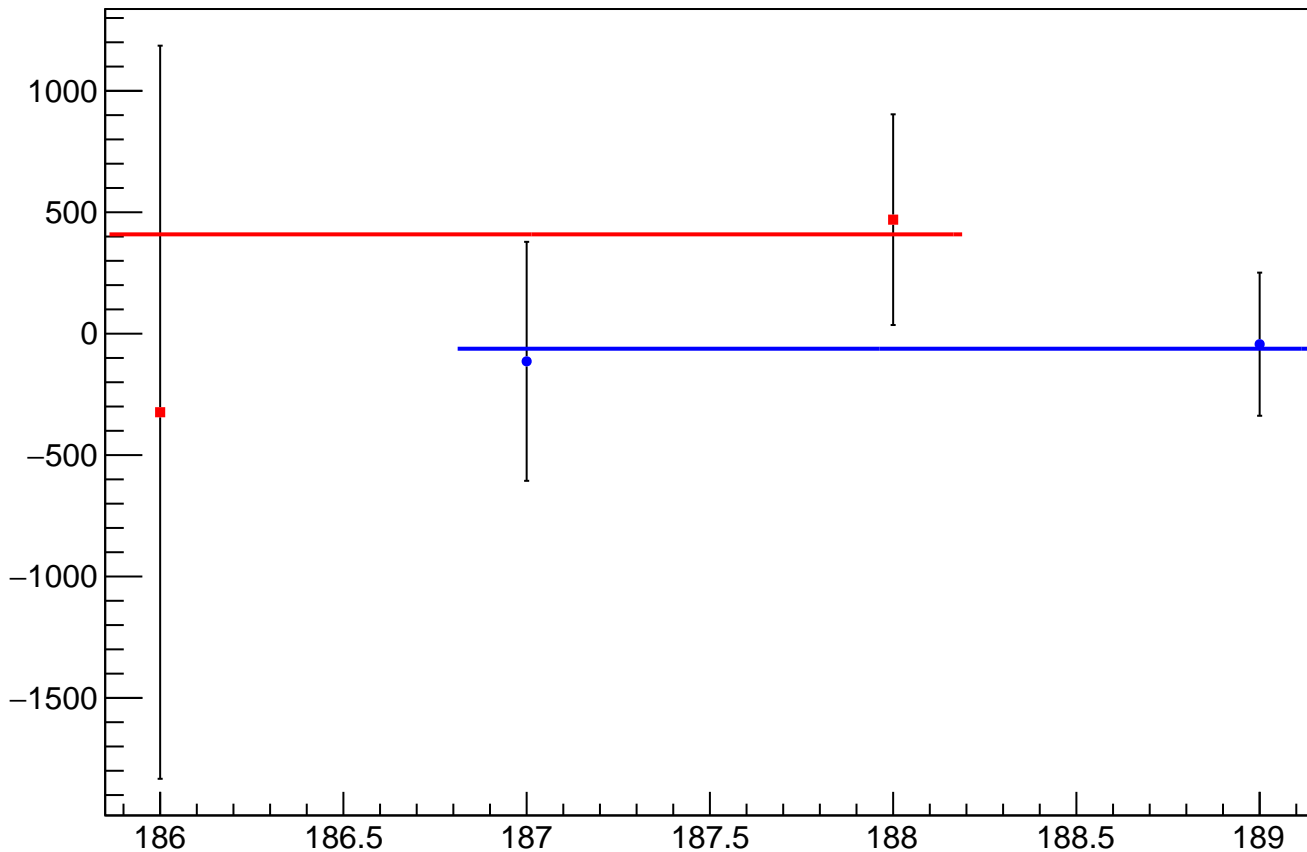
Right: 1204.087+/-0.847  $\chi^2/\text{NDF}$ : 282979.5/3

In: 1061.636+/-0.964  $\chi^2/\text{NDF}$ :16653.2/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 1204.087+/-0.847  $\chi^2/\text{NDF}$ : 282979.5/3

# dit\_asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In:  $-61.944 \pm 252.835$   $\chi^2/\text{NDF}: 0.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $409.036 \pm 416.975$   $\chi^2/\text{NDF}: 0.3/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

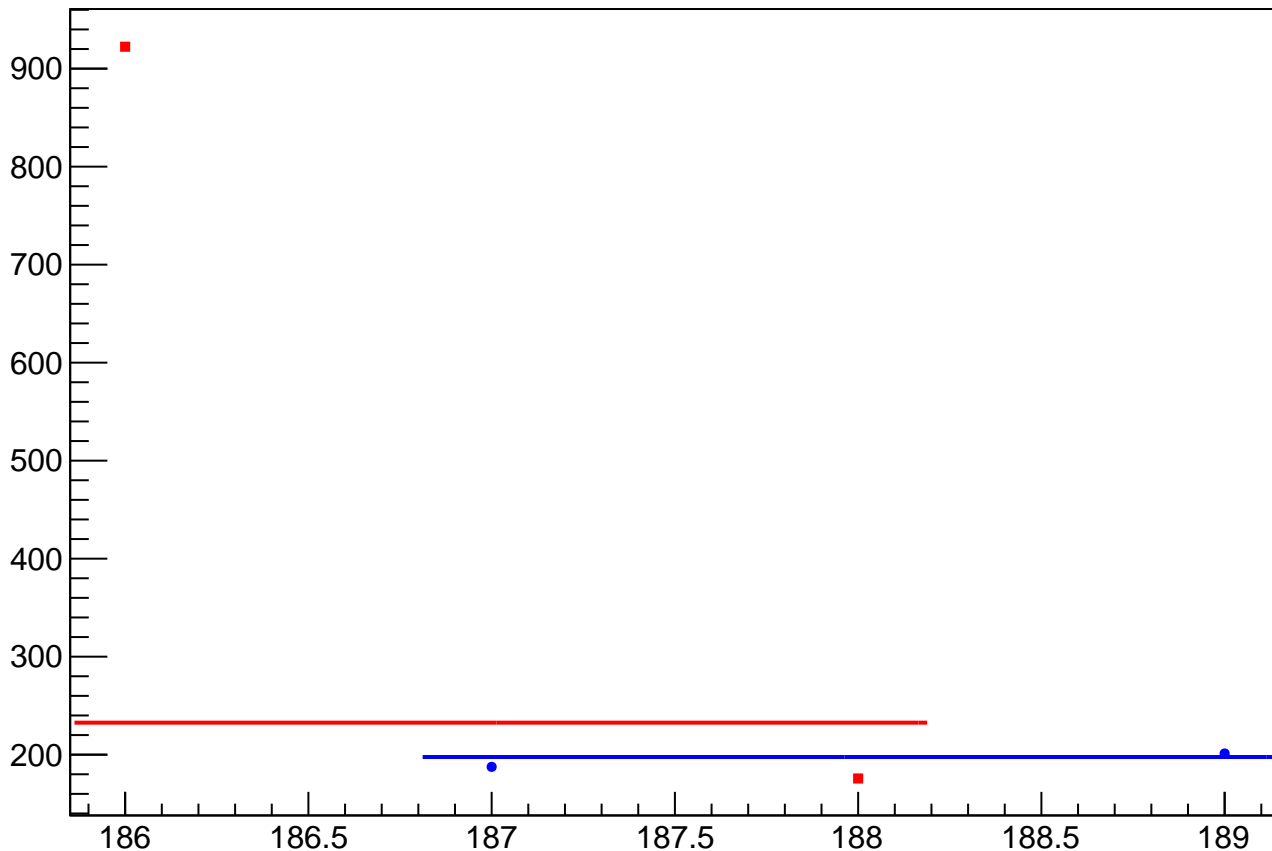
Right:  $64.668 \pm 216.195$   $\chi^2/\text{NDF}: 1.2/3$

In:  $-61.944 \pm 252.835$   $\chi^2/\text{NDF}: 0.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $64.668 \pm 216.195$   $\chi^2/\text{NDF}: 1.2/3$

# dit\_asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 197.613 $\pm$ 0.179  $\chi^2$ /NDF: 1131.9/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 232.659 $\pm$ 0.295  $\chi^2$ /NDF: 451987.3/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 207.035 $\pm$ 0.153  $\chi^2$ /NDF: 463449.4/3

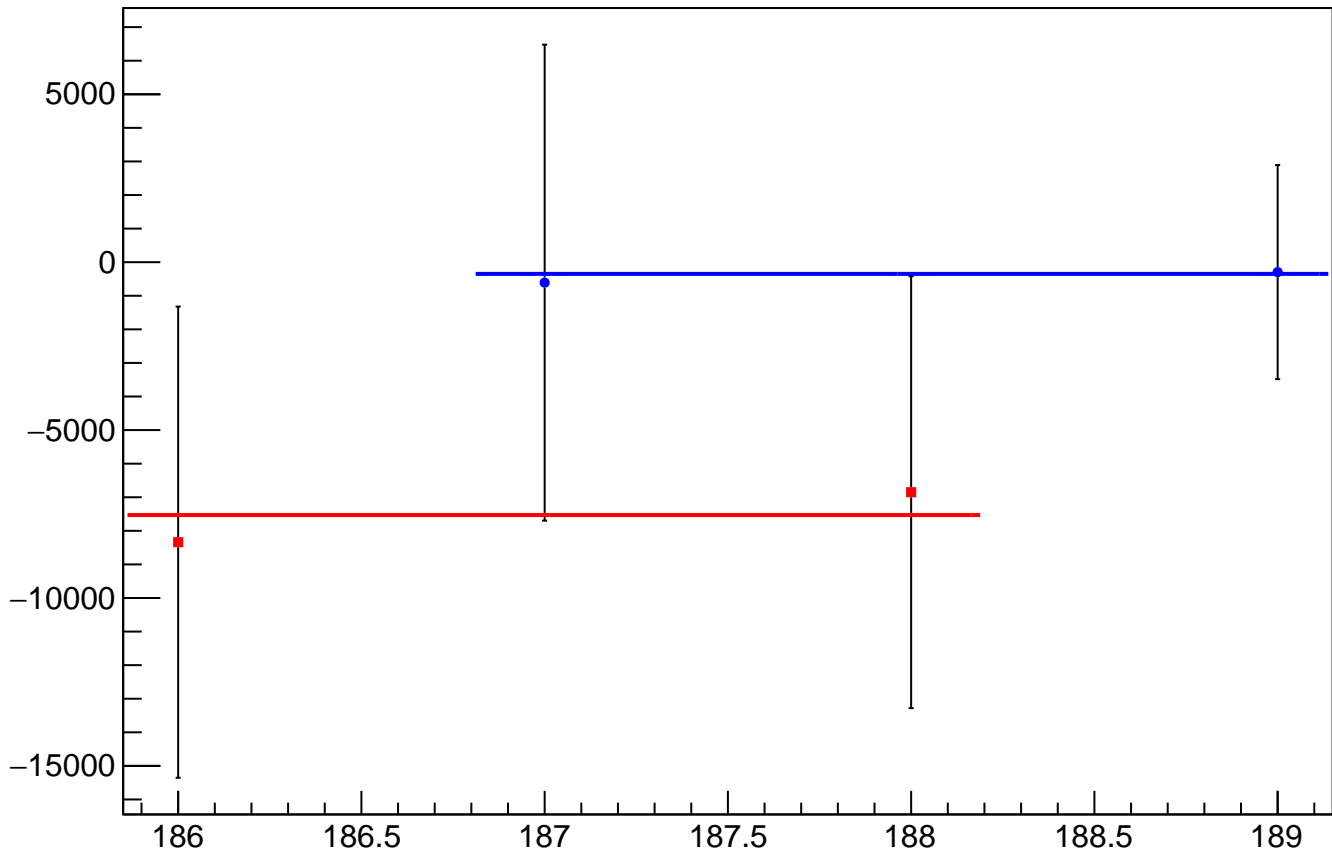
In: 197.613 $\pm$ 0.179  $\chi^2$ /NDF:1131.9/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 207.035 $\pm$ 0.153  $\chi^2$ /NDF: 463449.4/3



asym\_sam\_2468\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -348.265+/-2907.405  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7529.209+/-4740.621  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

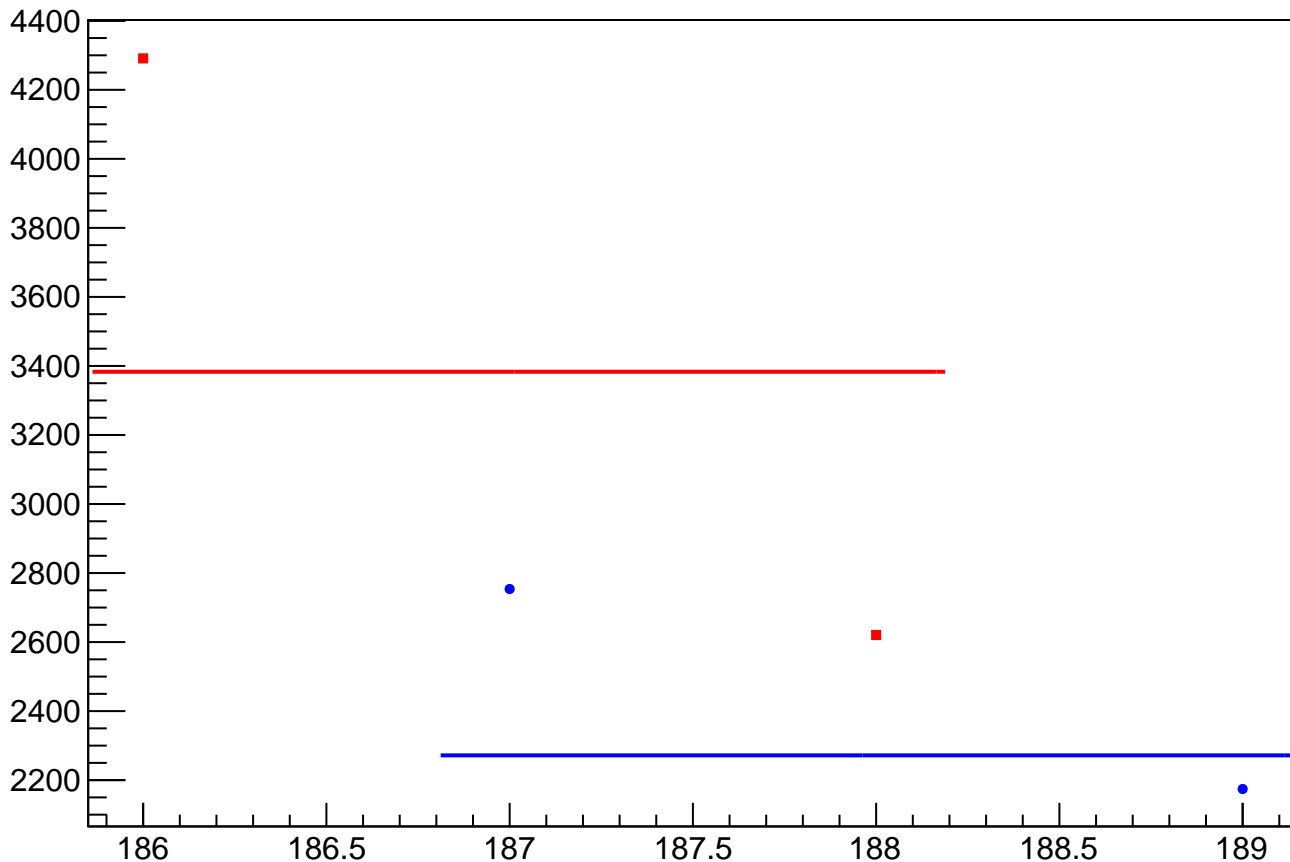
Right: -2311.002+/-2478.423  $\chi^2$ /NDF: 1.7/3

In: -348.265+/-2907.405  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2311.002+/-2478.423  $\chi^2$ /NDF: 1.7/3

# asym\_sam\_2468\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 2271.800+/-2.056  $\chi^2$ /NDF: 11122.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3383.153+/-3.352  $\chi^2$ /NDF: 61621.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

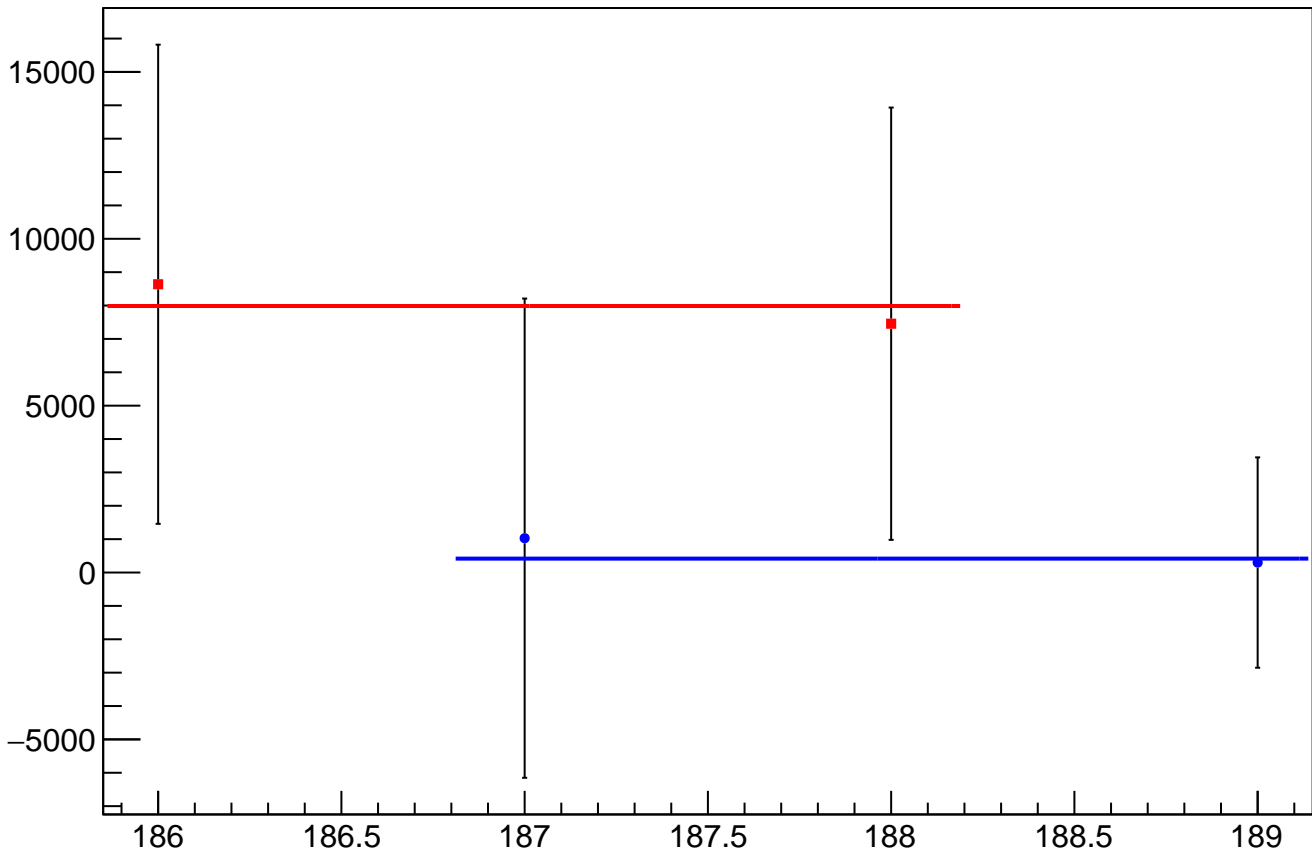
Right: 2575.561+/-1.753  $\chi^2$ /NDF: 152616.7/3

In: 2271.800+/-2.056  $\chi^2$ /NDF:11122.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2575.561+/-1.753  $\chi^2$ /NDF: 152616.7/3

# asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In: 416.847+/-2885.814  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 7986.359+/-4808.782  $\chi^2/\text{NDF}$ : 0.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

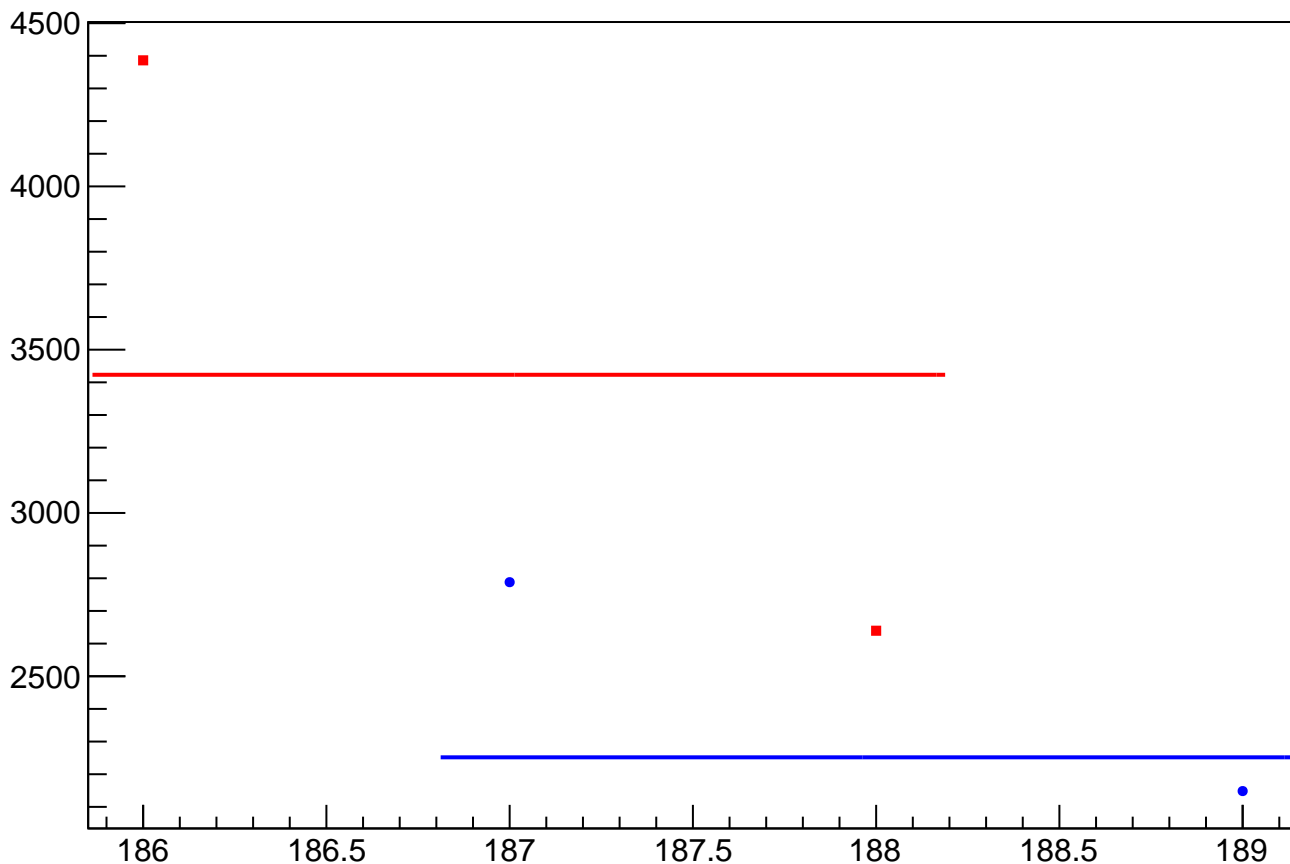
Right: 2421.098+/-2474.441  $\chi^2/\text{NDF}$ : 1.8/3

In: 416.847+/-2885.814  $\chi^2/\text{NDF}$ :0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 2421.098+/-2474.441  $\chi^2/\text{NDF}$ : 1.8/3

# asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 2251.736+/-2.041  $\chi^2$ /NDF: 13309.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3423.146+/-3.400  $\chi^2$ /NDF: 65269.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

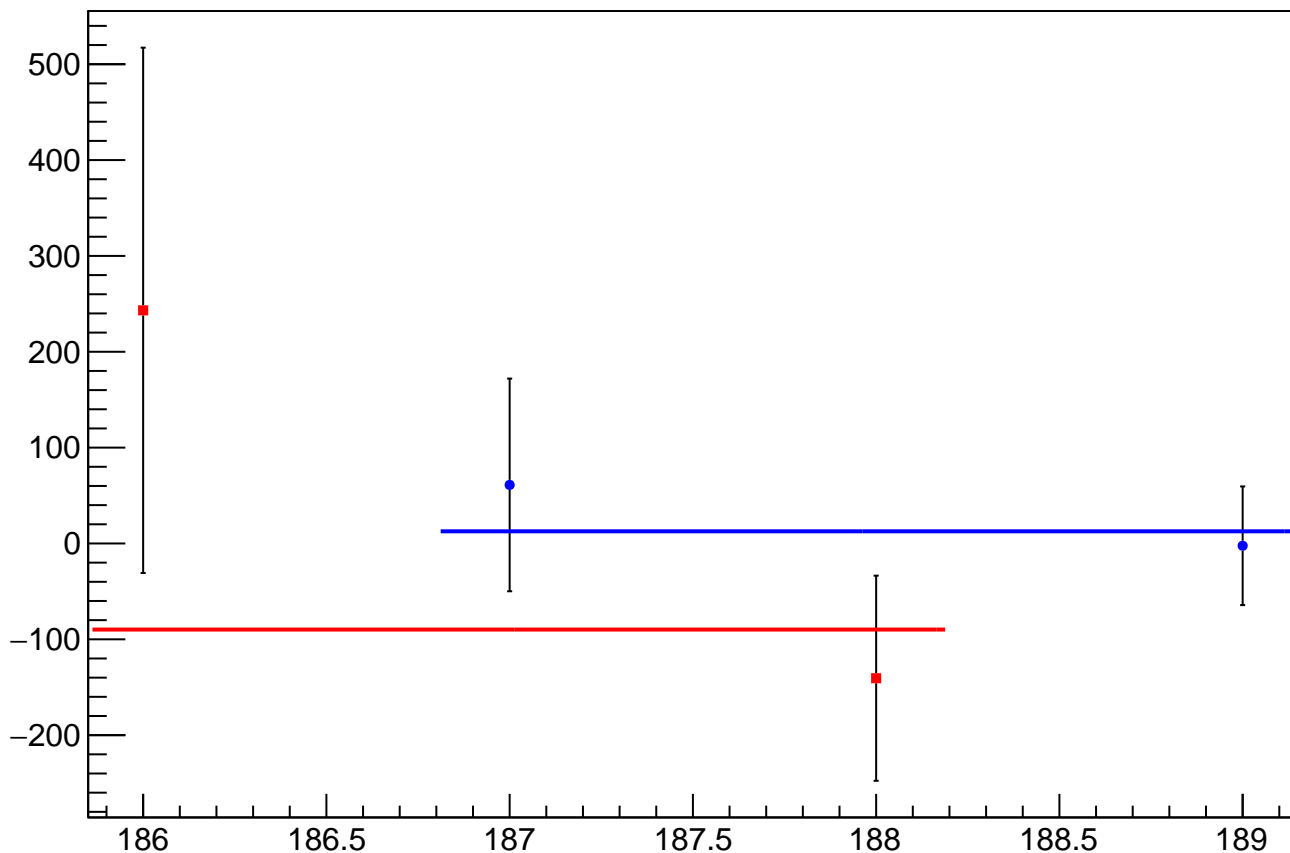
Right: 2561.901+/-1.750  $\chi^2$ /NDF: 165834.8/3

In: 2251.736+/-2.041  $\chi^2$ /NDF:13309.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2561.901+/-1.750  $\chi^2$ /NDF: 165834.8/3

dit\_asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In: 12.675+/-54.063  $\chi^2$ /NDF: 0.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -89.818+/-99.681  $\chi^2$ /NDF: 1.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

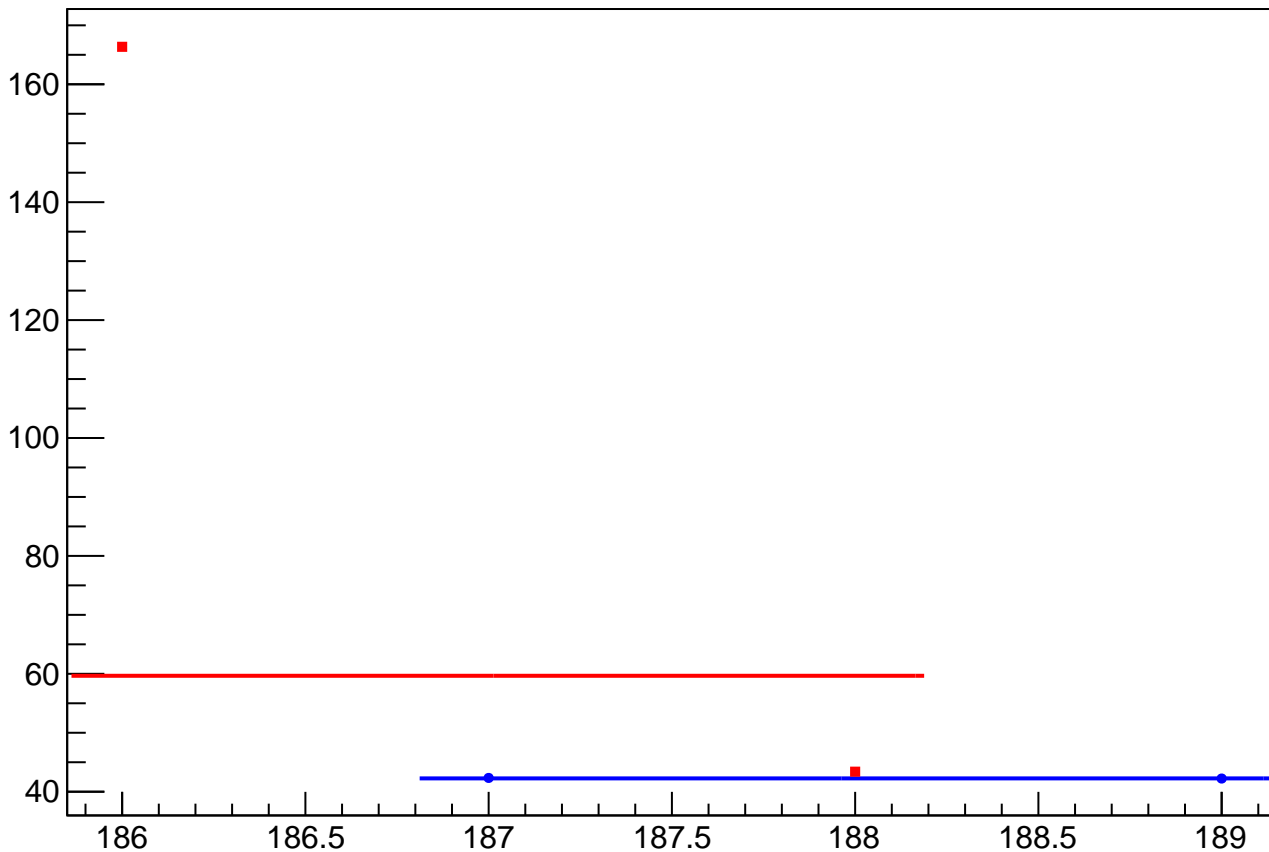
Right: -10.621+/-47.523  $\chi^2$ /NDF: 2.8/3

In: 12.675+/-54.063  $\chi^2$ /NDF:0.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -10.621+/-47.523  $\chi^2$ /NDF: 2.8/3

# dit\_asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 42.259+/-0.038  $\chi^2$ /NDF: 1.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 59.665+/-0.070  $\chi^2$ /NDF: 349363.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

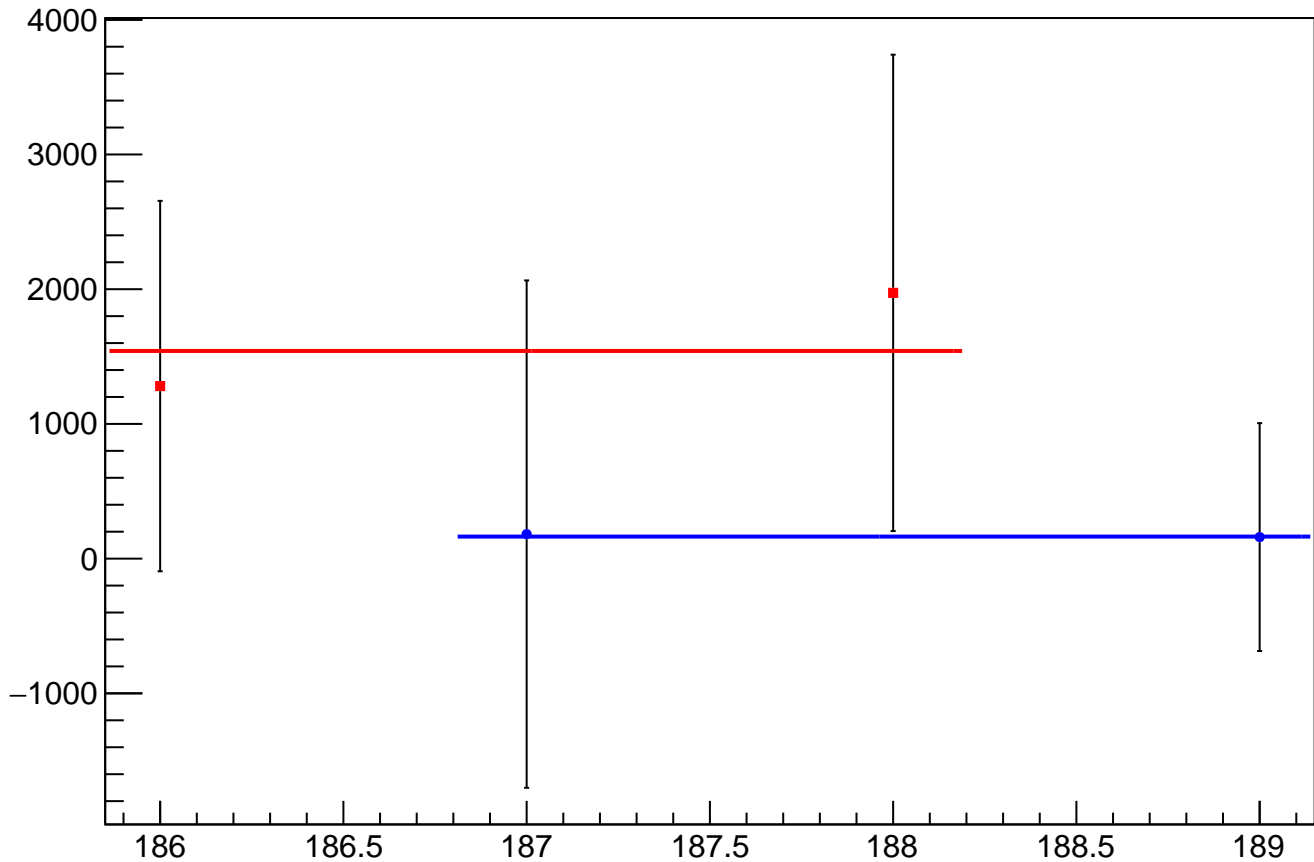
Right: 46.215+/-0.034  $\chi^2$ /NDF: 396487.1/3

In: 42.259+/-0.038  $\chi^2$ /NDF:1.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 46.215+/-0.034  $\chi^2$ /NDF: 396487.1/3

asym\_sam\_1357\_2468\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 163.721+/-771.577  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1541.586+/-1085.281  $\chi^2$ /NDF: 0.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

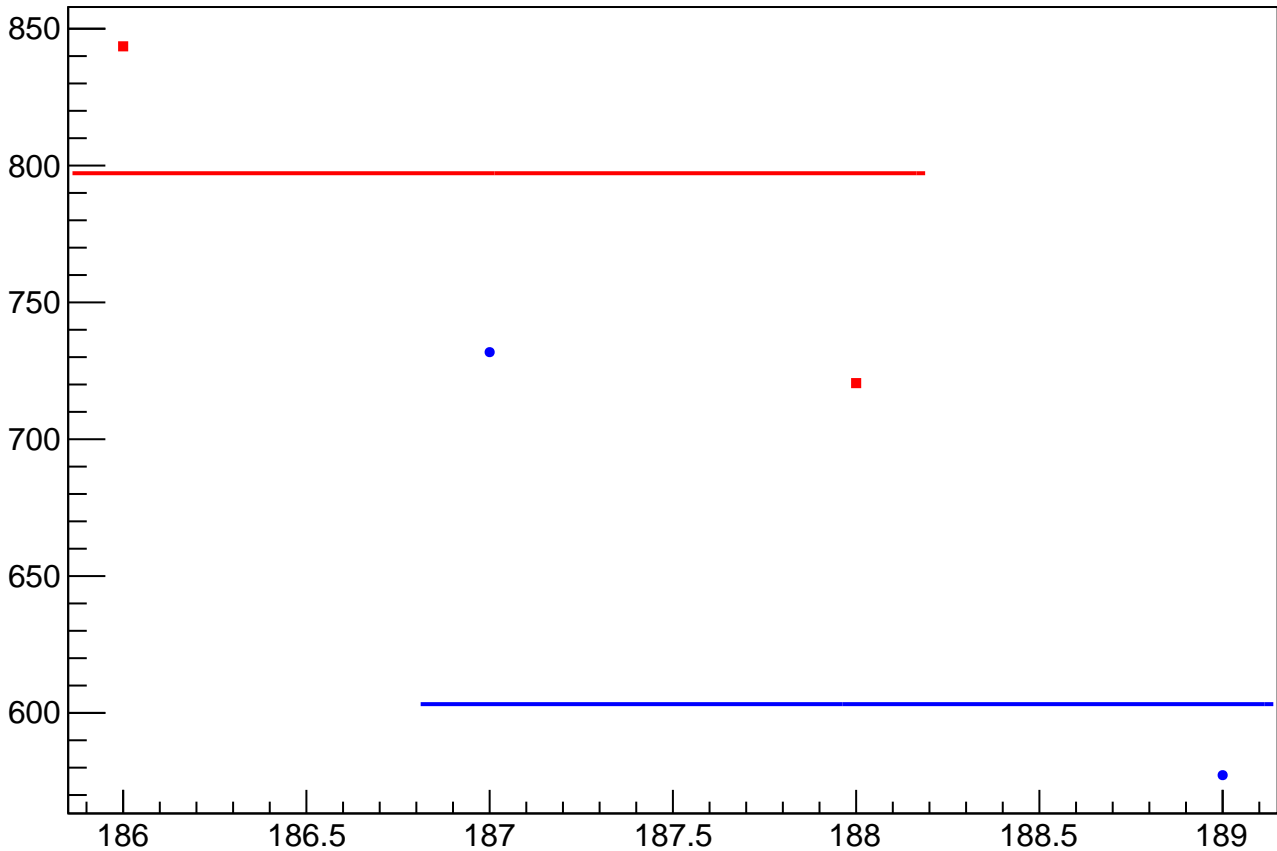
Right: 626.332+/-628.850  $\chi^2$ /NDF: 1.2/3

In: 163.721+/-771.577  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 626.332+/-628.850  $\chi^2$ /NDF: 1.2/3

asym\_sam\_1357\_2468\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 603.206+/-0.546  $\chi^2$ /NDF: 11212.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 797.198+/-0.767  $\chi^2$ /NDF: 6038.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 668.338+/-0.445  $\chi^2$ /NDF: 59697.9/3

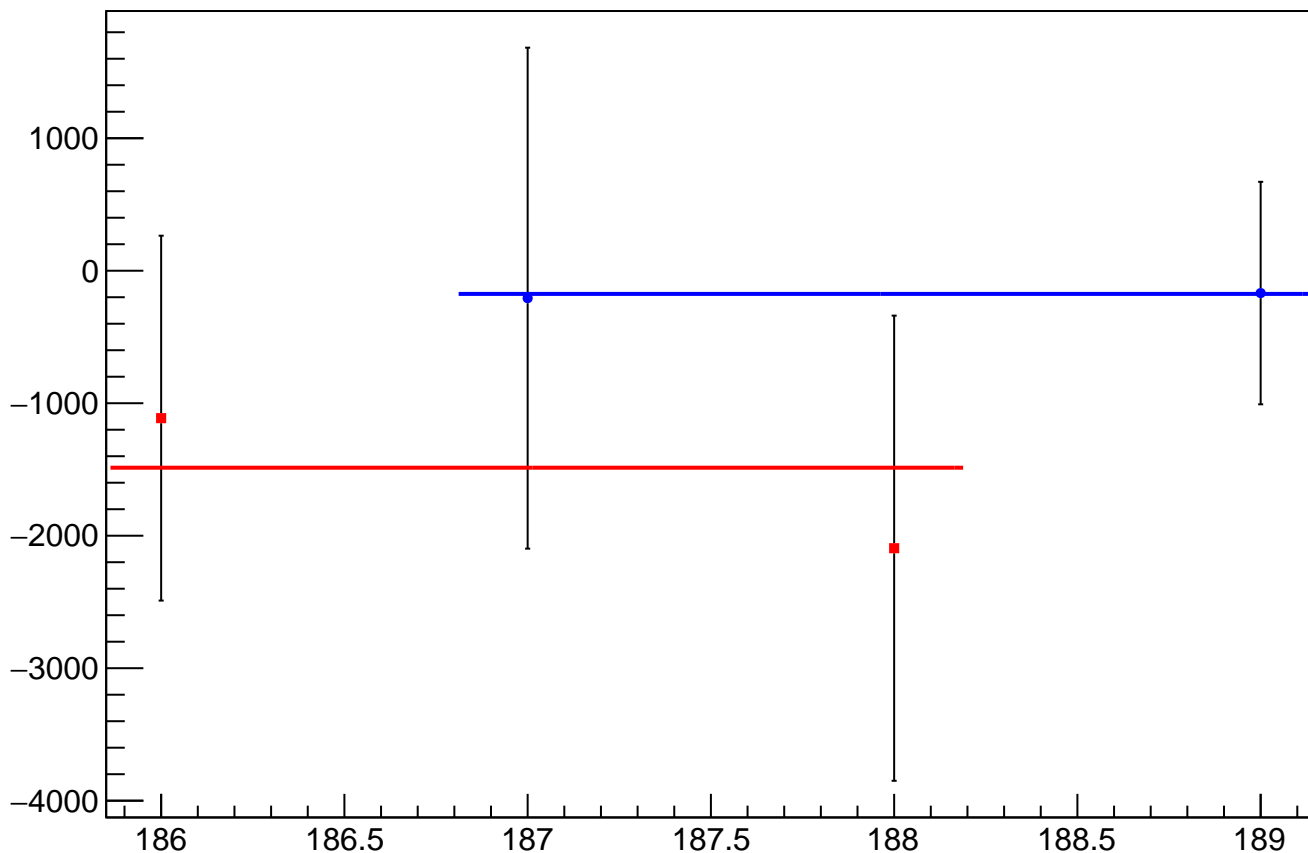
In: 603.206+/-0.546  $\chi^2$ /NDF:11212.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 668.338+/-0.445  $\chi^2$ /NDF: 59697.9/3



# asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In: -174.929+/-767.345  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1486.586+/-1083.430  $\chi^2$ /NDF: 0.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

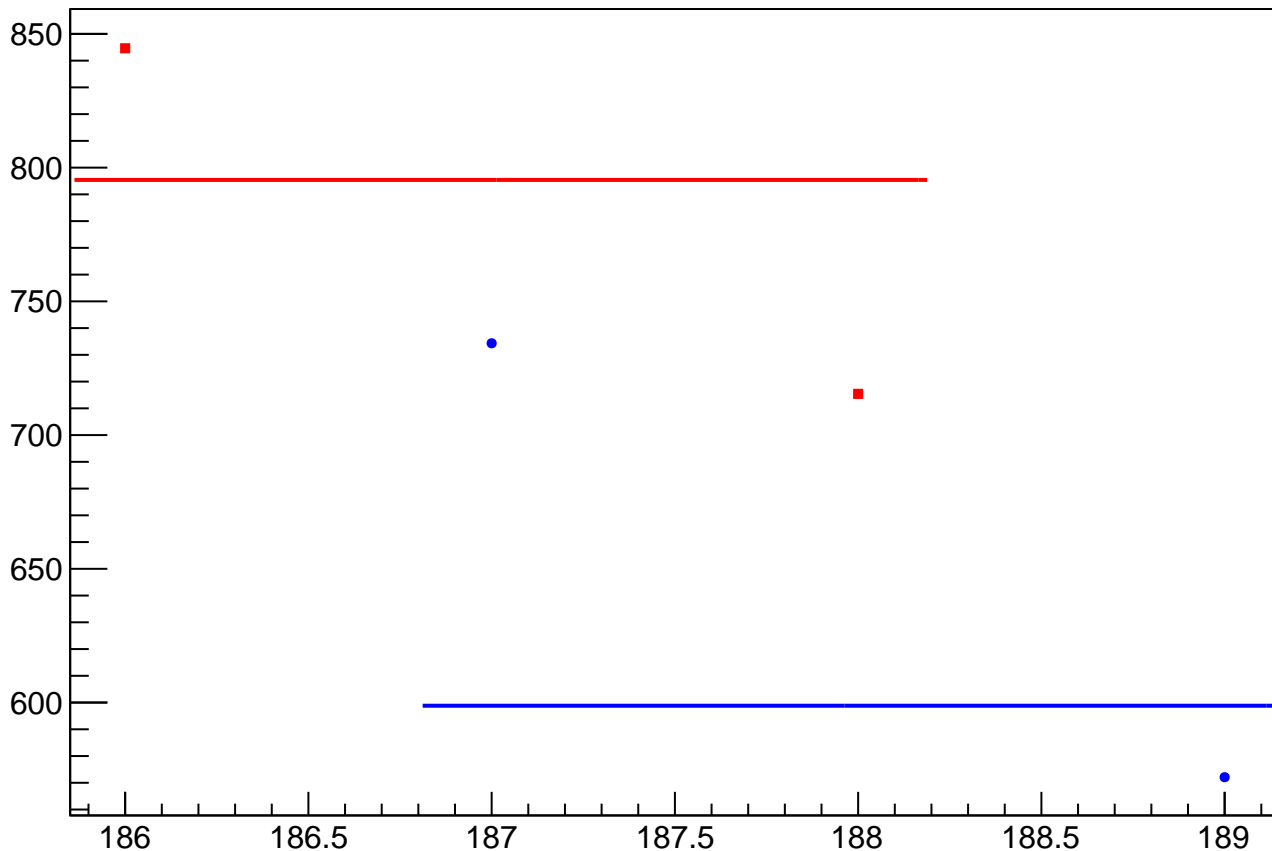
Right: -613.095+/-626.195  $\chi^2$ /NDF: 1.2/3

In: -174.929+/-767.345  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -613.095+/-626.195  $\chi^2$ /NDF: 1.2/3

# asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 598.812+/-0.543  $\chi^2/\text{NDF}$ : 12303.2/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 795.405+/-0.766  $\chi^2/\text{NDF}$ : 6708.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

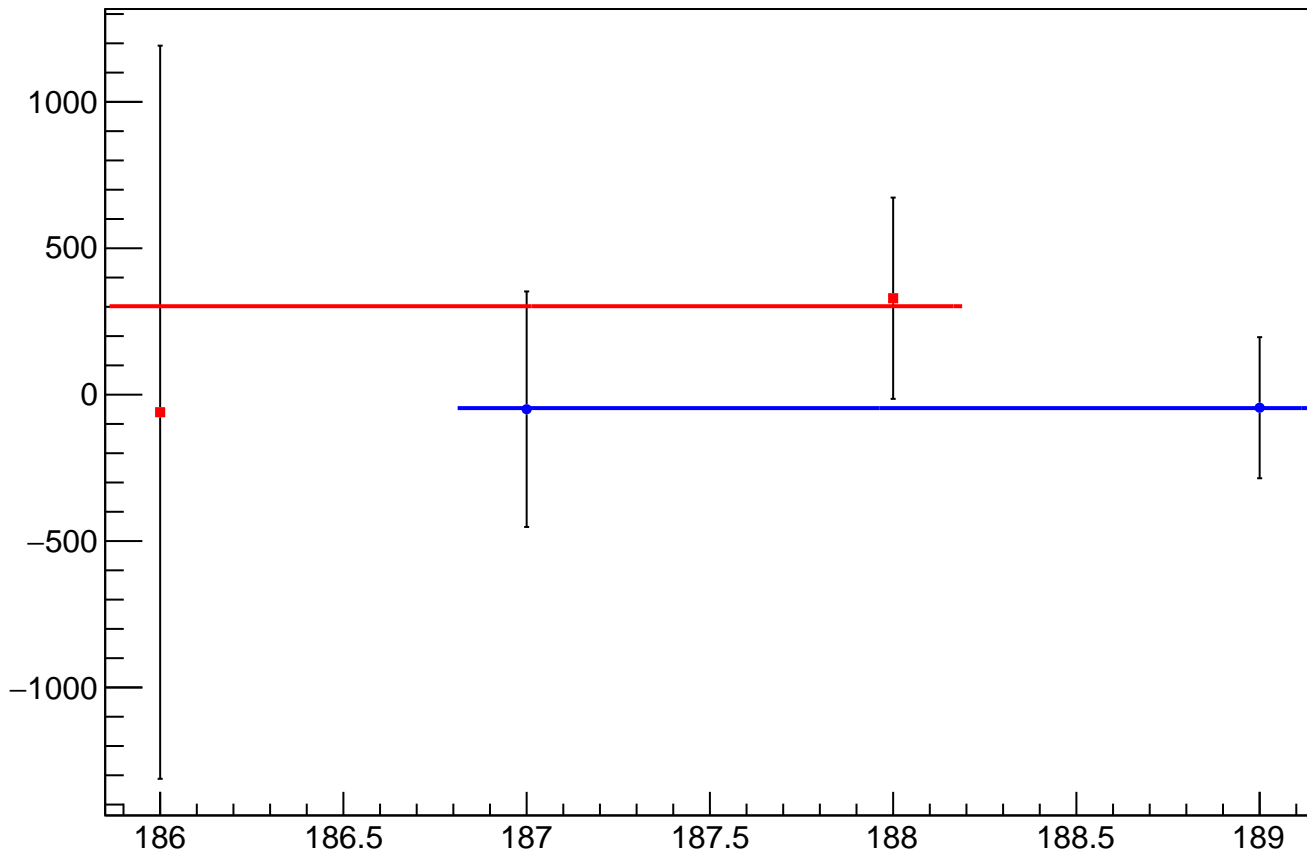
Right: 664.485+/-0.443  $\chi^2/\text{NDF}$ : 62864.4/3

In: 598.812+/-0.543  $\chi^2/\text{NDF}$ :12303.2/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 664.485+/-0.443  $\chi^2/\text{NDF}$ : 62864.4/3

dit\_asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In:  $-45.908 \pm 206.687$   $\chi^2/\text{NDF}: 0.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $302.089 \pm 331.463$   $\chi^2/\text{NDF}: 0.1/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

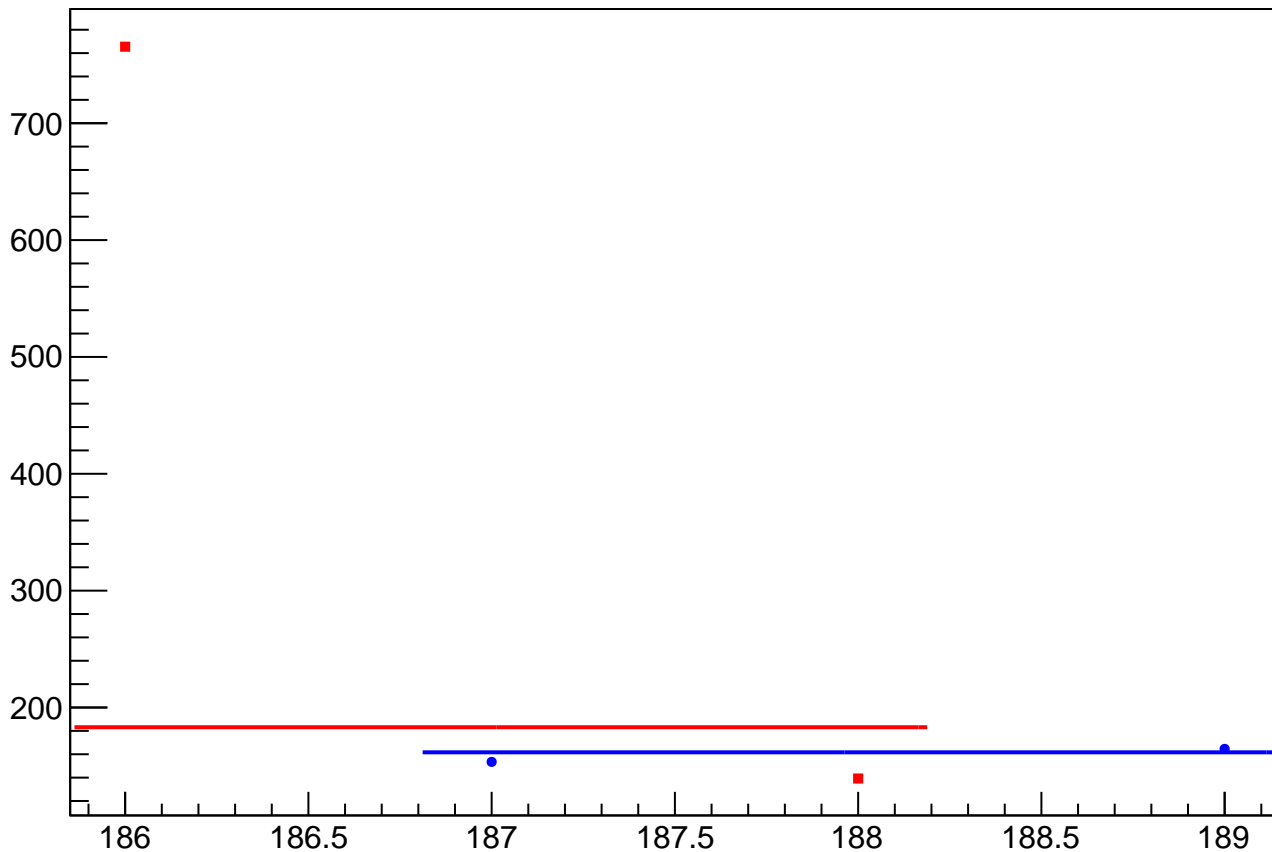
Right:  $51.520 \pm 175.383$   $\chi^2/\text{NDF}: 0.9/3$

In:  $-45.908 \pm 206.687$   $\chi^2/\text{NDF}: 0.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $51.520 \pm 175.383$   $\chi^2/\text{NDF}: 0.9/3$

# dit\_asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 161.651+/-0.146  $\chi^2$ /NDF: 1126.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 183.130+/-0.234  $\chi^2$ /NDF: 465330.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

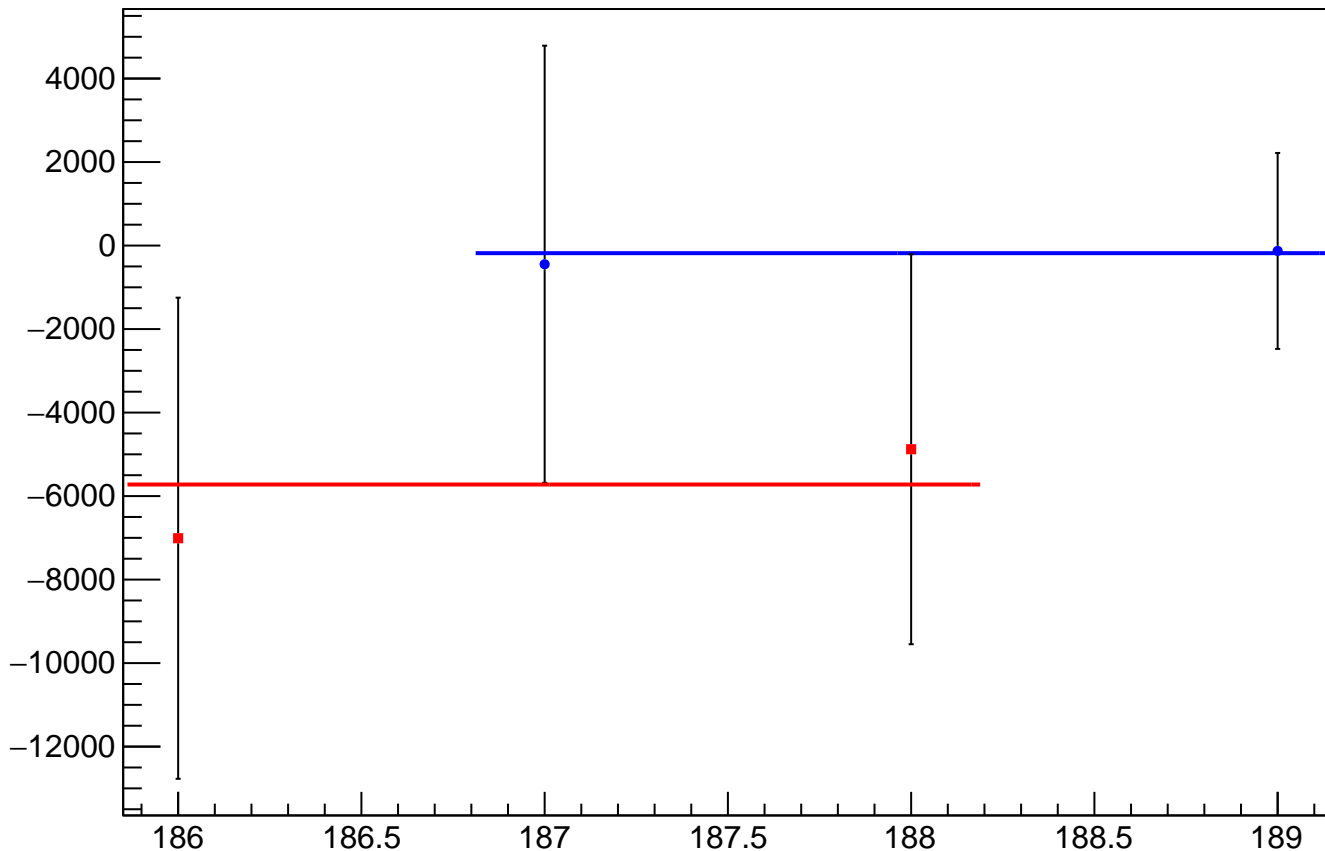
Right: 167.664+/-0.124  $\chi^2$ /NDF: 472503.8/3

In: 161.651+/-0.146  $\chi^2$ /NDF:1126.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 167.664+/-0.124  $\chi^2$ /NDF: 472503.8/3

asym\_sam\_12345678\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -181.986+/-2140.987  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5723.024+/-3627.819  $\chi^2$ /NDF: 0.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

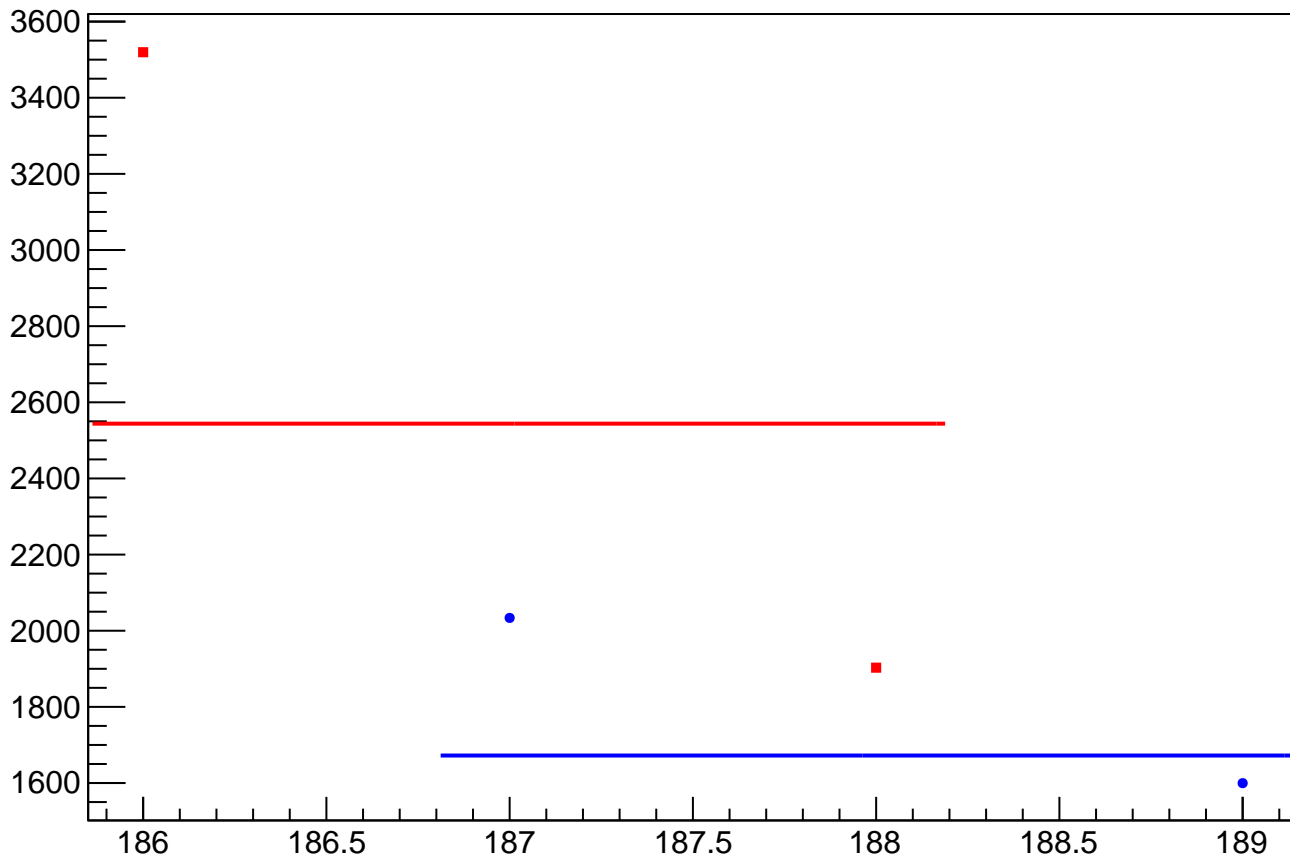
Right: -1613.336+/-1843.839  $\chi^2$ /NDF: 1.8/3

In: -181.986+/-2140.987  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1613.336+/-1843.839  $\chi^2$ /NDF: 1.8/3

asym\_sam\_12345678\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1672.241+/-1.514  $\chi^2$ /NDF: 11452.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2543.903+/-2.565  $\chi^2$ /NDF: 95022.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

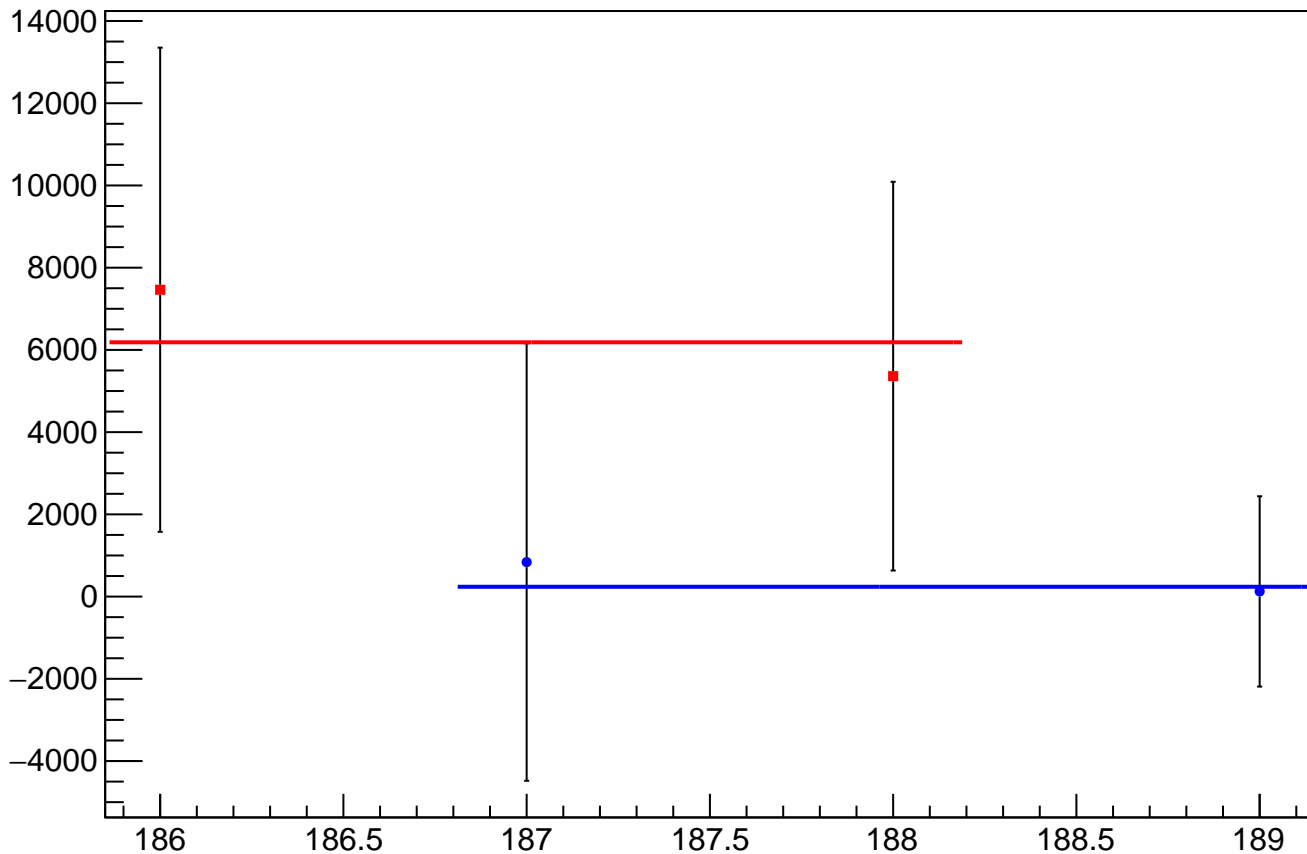
Right: 1897.407+/-1.304  $\chi^2$ /NDF: 192110.5/3

In: 1672.241+/-1.514  $\chi^2$ /NDF:11452.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1897.407+/-1.304  $\chi^2$ /NDF: 192110.5/3

# asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In: 238.964±/2122.447  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6185.448±/3686.362  $\chi^2$ /NDF: 0.1/1

Left In: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/0.000  $\chi^2$ /NDF: 0.0/0

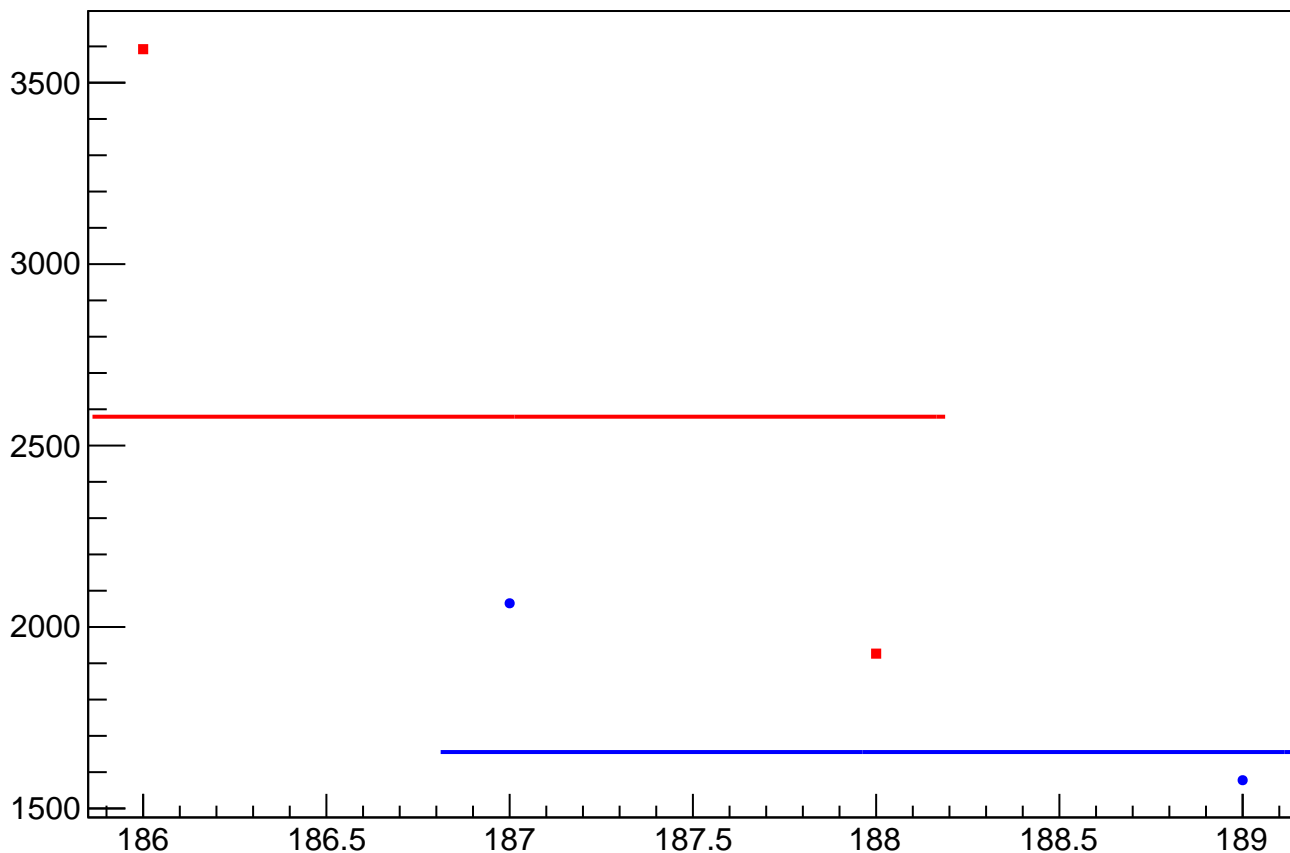
Right: 1719.429±/1839.361  $\chi^2$ /NDF: 2.0/3

In: 238.964±/2122.447  $\chi^2$ /NDF:0.0/1

Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

All: 1719.429±/1839.361  $\chi^2$ /NDF: 2.0/3

# asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 1655.429+/-1.501  $\chi^2$ /NDF: 14124.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2579.538+/-2.607  $\chi^2$ /NDF: 97324.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 1885.500+/-1.301  $\chi^2$ /NDF: 205842.7/3

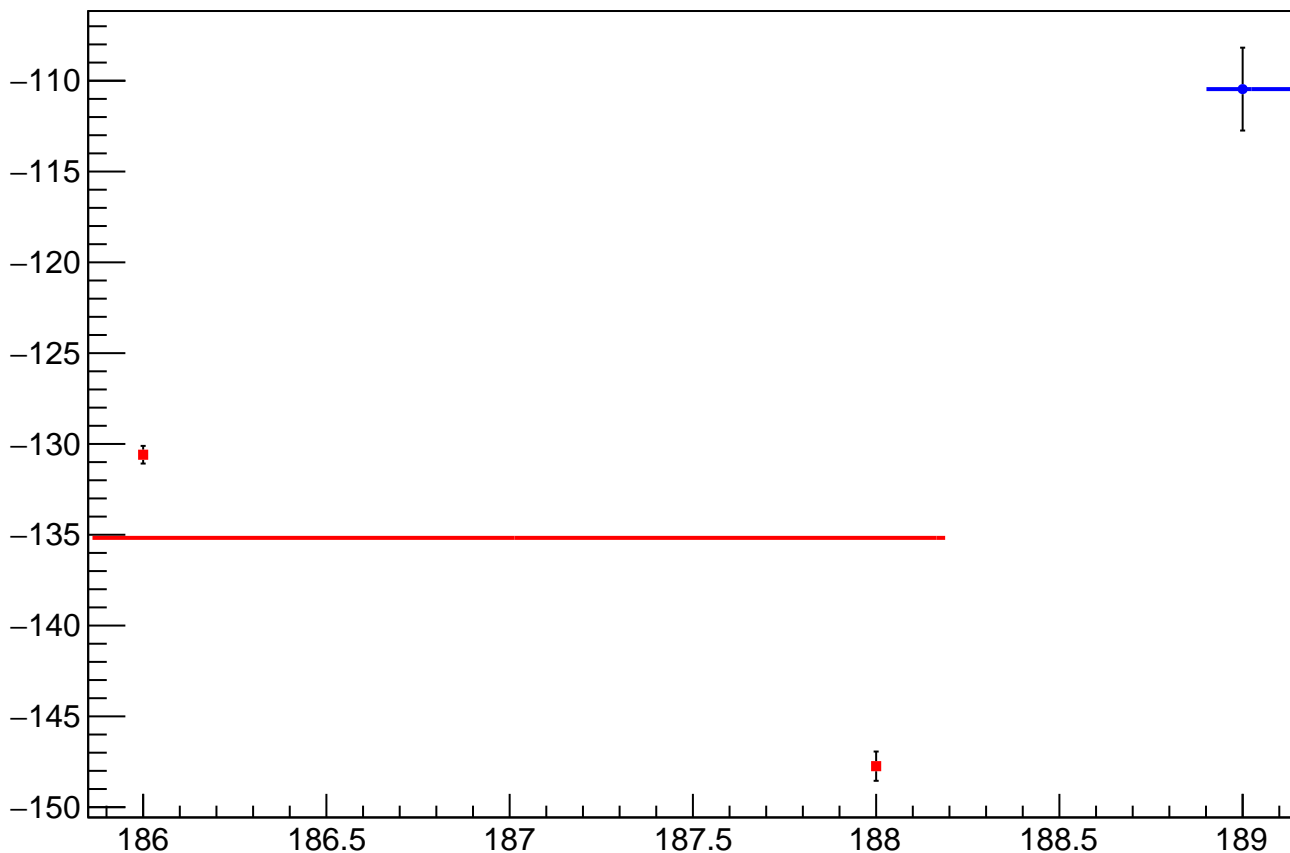
In: 1655.429+/-1.501  $\chi^2$ /NDF:14124.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1885.500+/-1.301  $\chi^2$ /NDF: 205842.7/3



# dit\_usl\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-110.461 \pm 2.282$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-135.171 \pm 0.416$   $\chi^2/\text{NDF}: 332.2/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

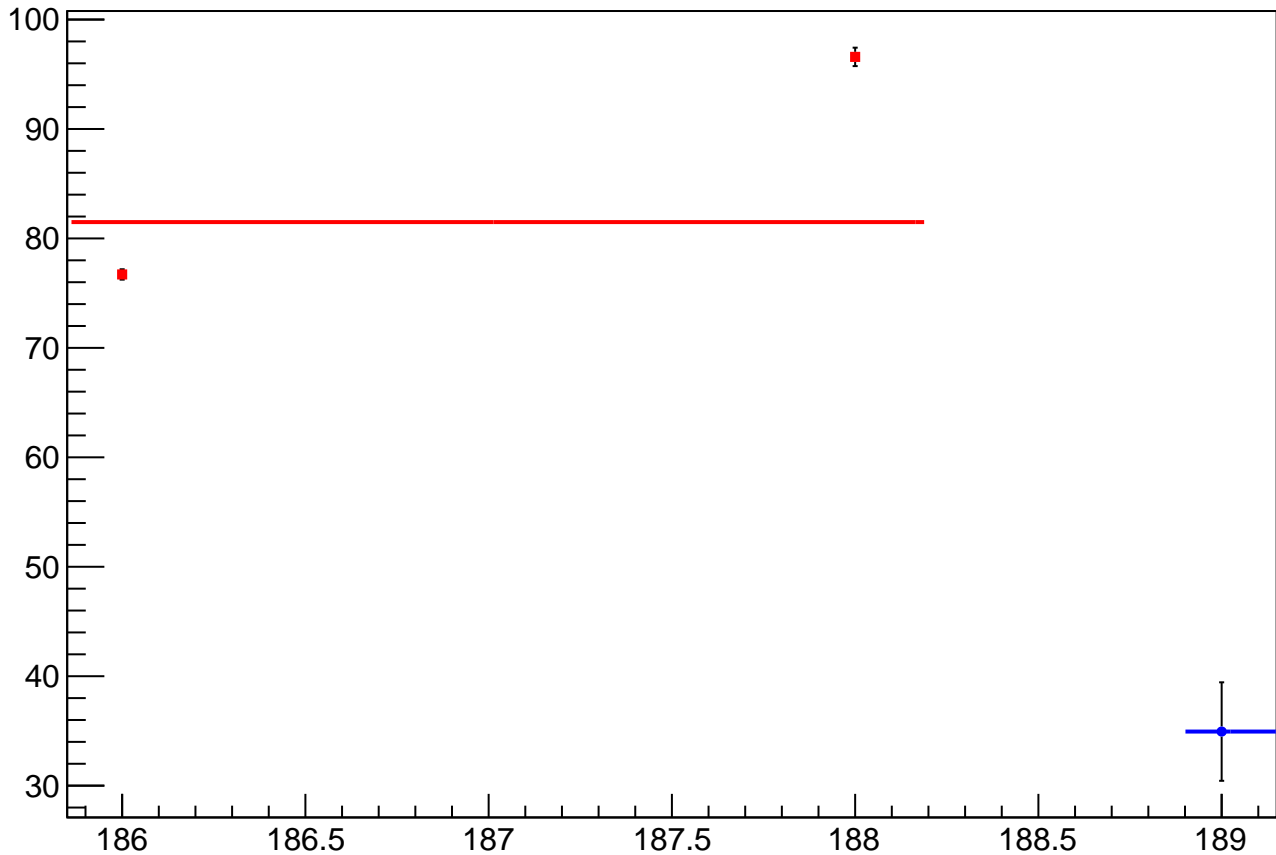
Right:  $-134.375 \pm 0.409$   $\chi^2/\text{NDF}: 445.7/2$

In:  $-110.461 \pm 2.282$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-134.375 \pm 0.409$   $\chi^2/\text{NDF}: 445.7/2$

# dit\_usl\_4eX\_slope vs Slug, Sign Corrected



Right In: 34.943+/-4.499  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 81.493+/-0.413  $\chi^2$ /NDF: 423.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

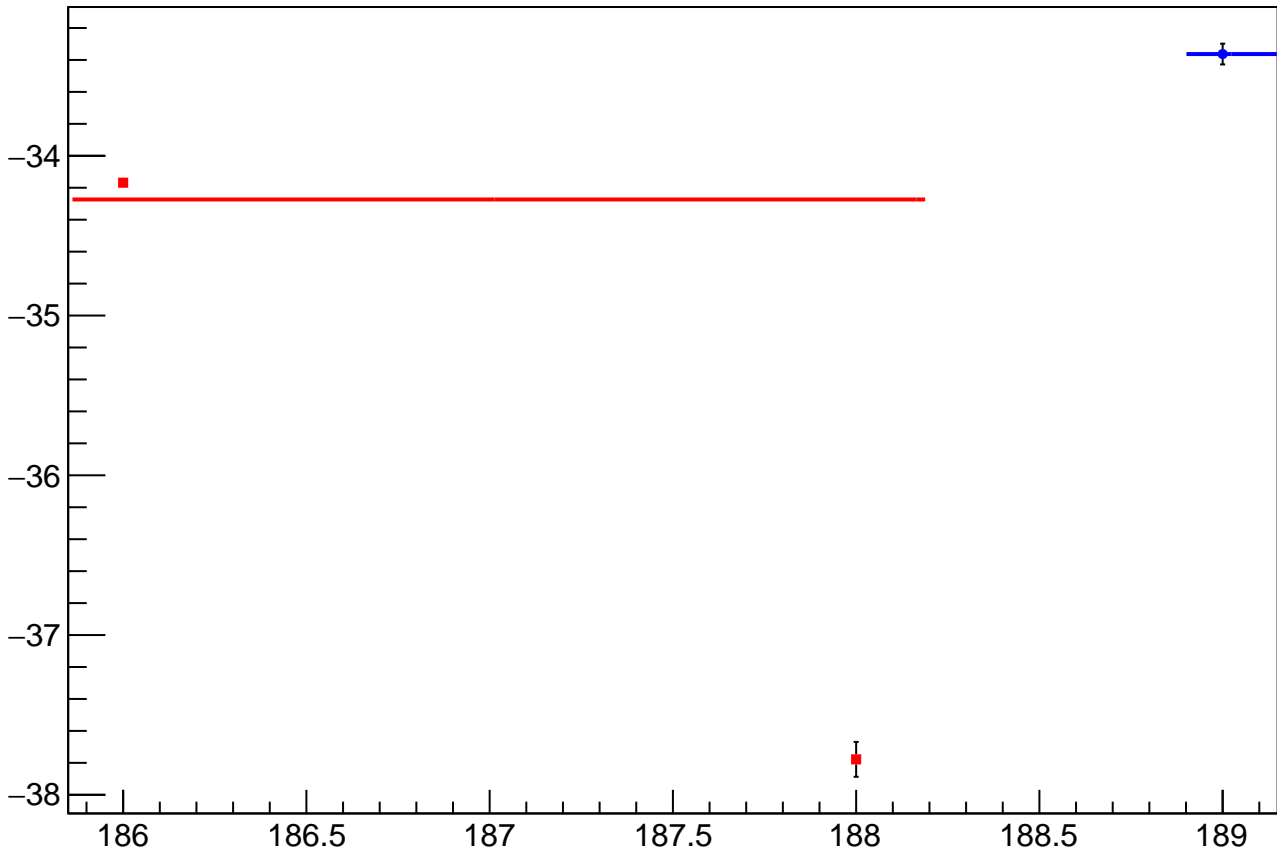
Right: 81.104+/-0.411  $\chi^2$ /NDF: 529.6/2

In: 34.943+/-4.499  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 81.104+/-0.411  $\chi^2$ /NDF: 529.6/2

# dit\_usl\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-33.363 \pm 0.065$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-34.273 \pm 0.019$   $\chi^2/\text{NDF}: 1061.5/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

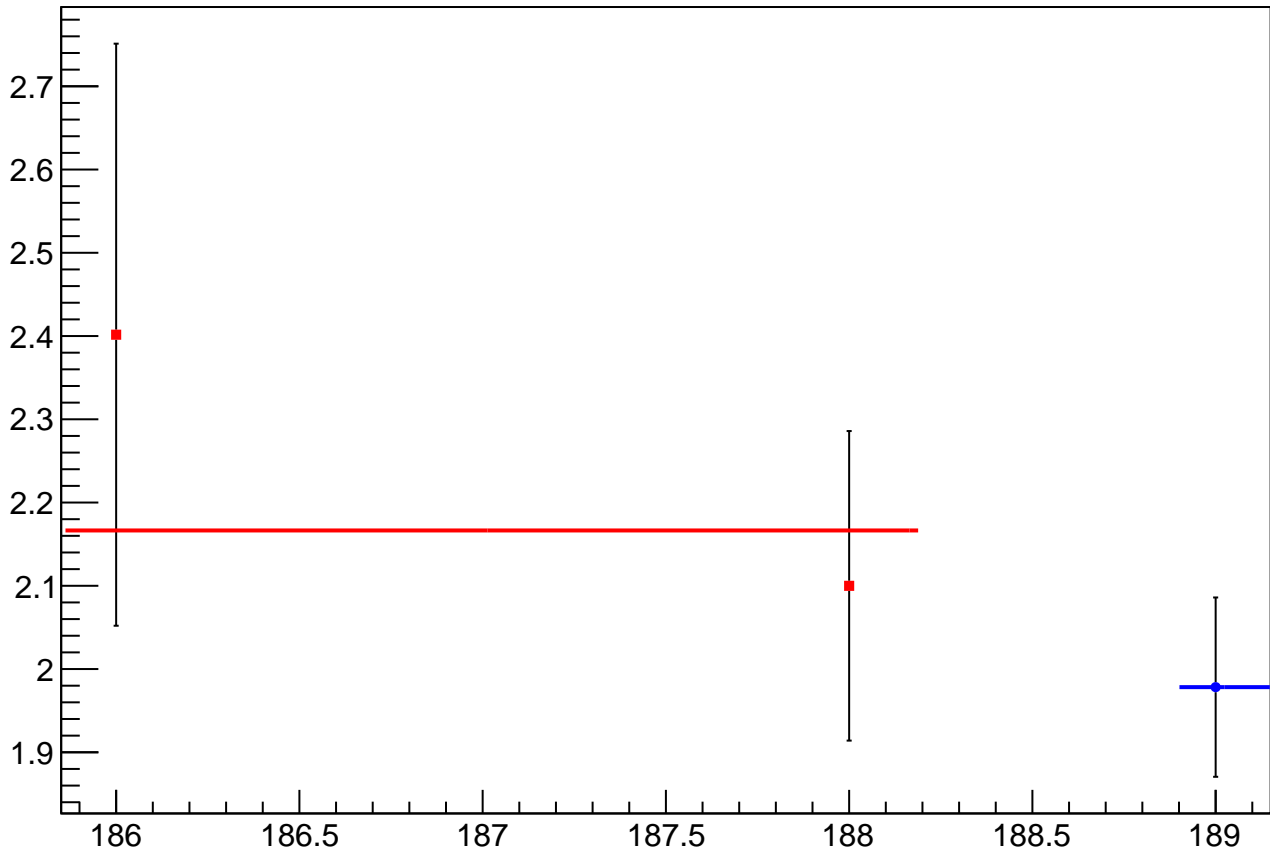
Right:  $-34.204 \pm 0.018$   $\chi^2/\text{NDF}: 1242.5/2$

In:  $-33.363 \pm 0.065$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-34.204 \pm 0.018$   $\chi^2/\text{NDF}: 1242.5/2$

# dit\_usl\_4aY\_slope vs Slug, Sign Corrected



Right In: 1.978 $\pm$ 0.108  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.166 $\pm$ 0.164  $\chi^2$ /NDF: 0.6/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

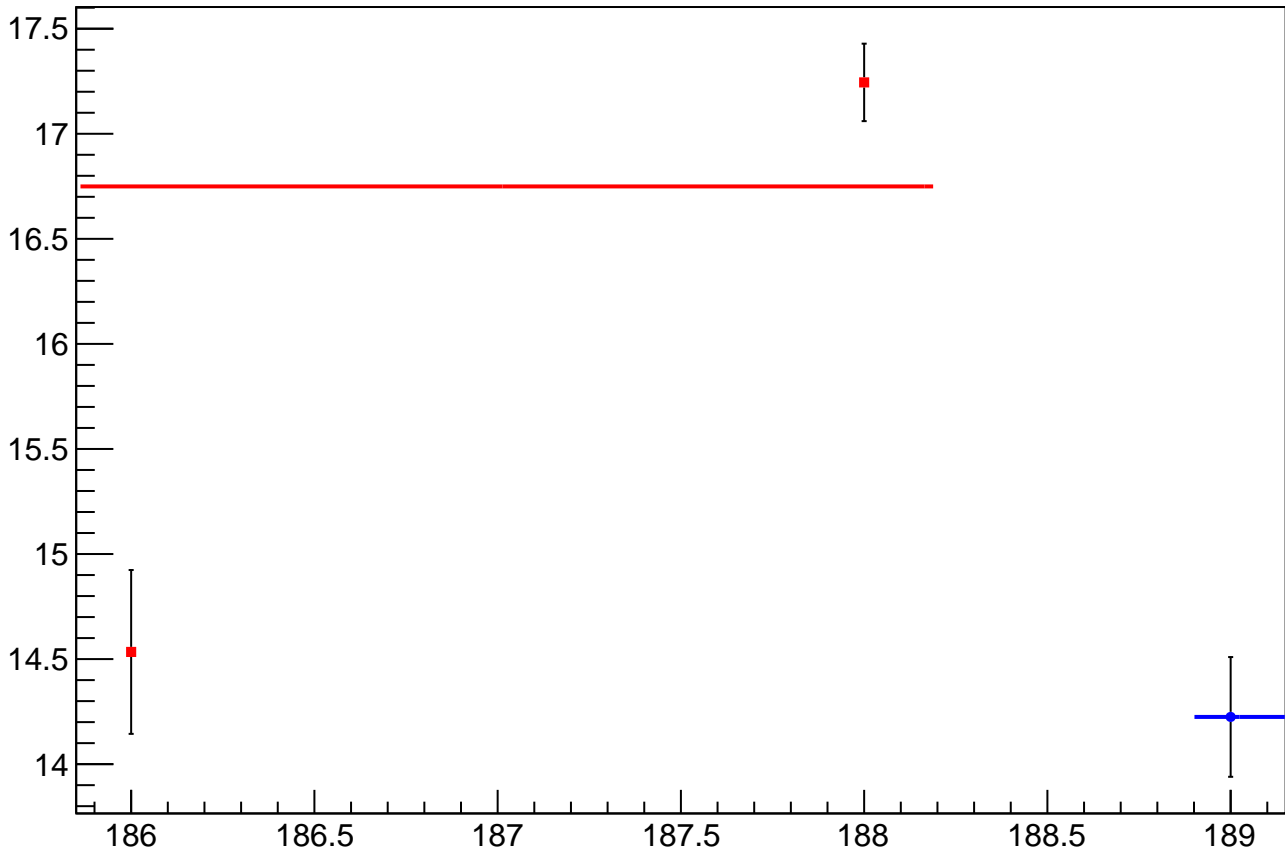
Right: 2.035 $\pm$ 0.090  $\chi^2$ /NDF: 1.5/2

In: 1.978 $\pm$ 0.108  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.035 $\pm$ 0.090  $\chi^2$ /NDF: 1.5/2

# dit\_usl\_4eY\_slope vs Slug, Sign Corrected



Right In: 14.225+/-0.285  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 16.749+/-0.167  $\chi^2$ /NDF: 39.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

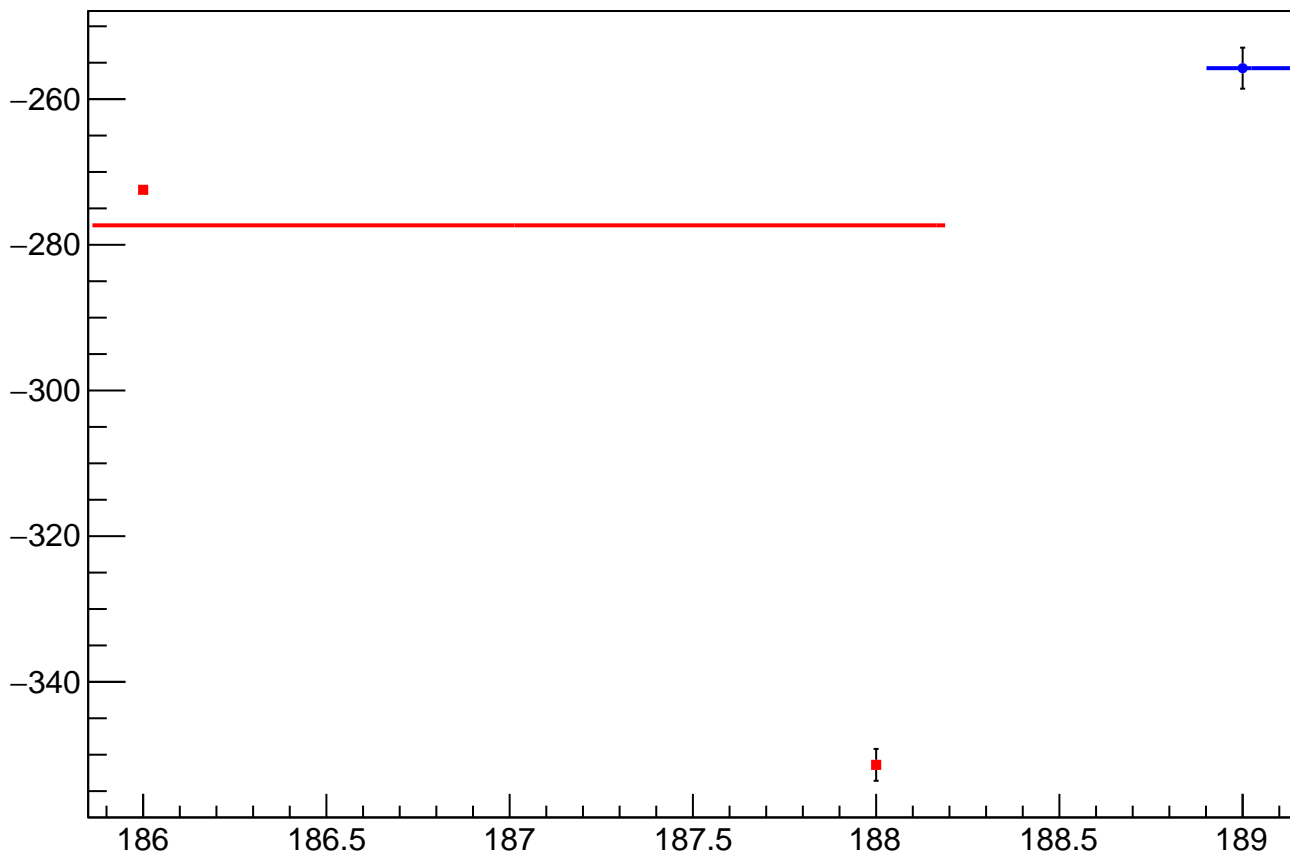
Right: 16.106+/-0.144  $\chi^2$ /NDF: 98.0/2

In: 14.225+/-0.285  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 16.106+/-0.144  $\chi^2$ /NDF: 98.0/2

# dit\_usr\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-255.751 \pm 2.815$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-277.327 \pm 0.544$   $\chi^2/\text{NDF}: 1220.4/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

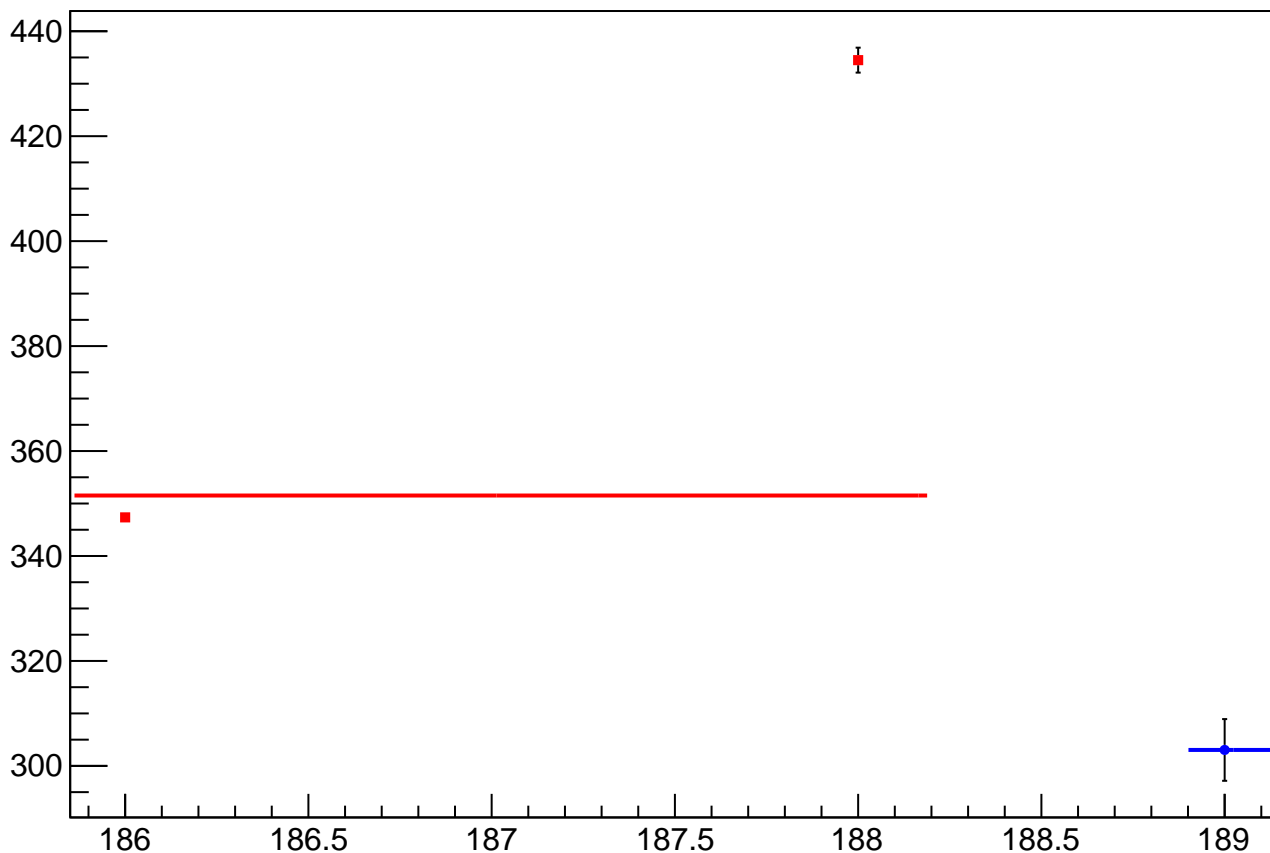
Right:  $-276.550 \pm 0.534$   $\chi^2/\text{NDF}: 1277.0/2$

In:  $-255.751 \pm 2.815$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-276.550 \pm 0.534$   $\chi^2/\text{NDF}: 1277.0/2$

# dit\_usr\_4eX\_slope vs Slug, Sign Corrected



Right In: 303.041+/-5.880  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 351.524+/-0.520  $\chi^2$ /NDF: 1279.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

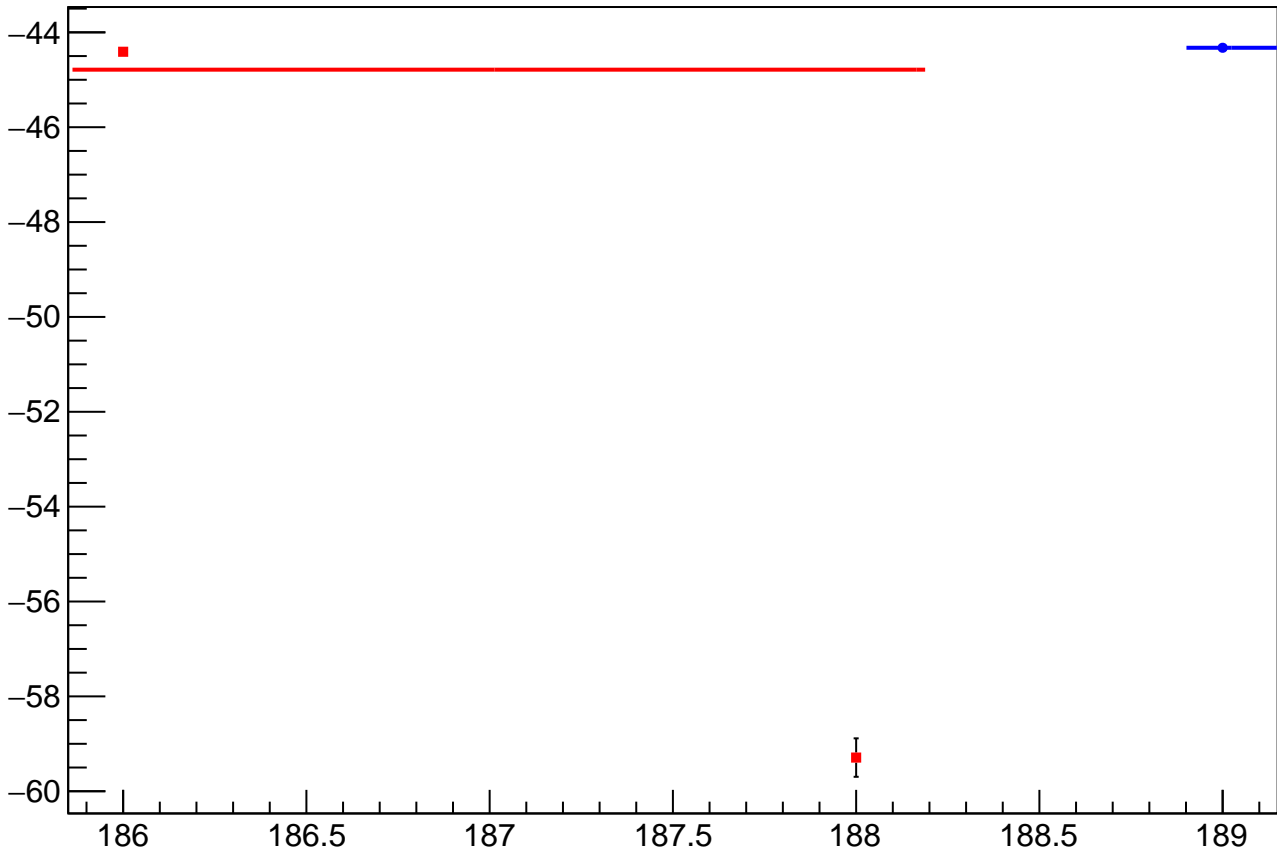
Right: 351.148+/-0.518  $\chi^2$ /NDF: 1347.3/2

In: 303.041+/-5.880  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 351.148+/-0.518  $\chi^2$ /NDF: 1347.3/2

# dit\_usr\_11X12X\_slope vs Slug, Sign Corrected



Right In: -44.325+/-0.086  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -44.787+/-0.065  $\chi^2$ /NDF: 1313.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -44.621+/-0.052  $\chi^2$ /NDF: 1332.0/2

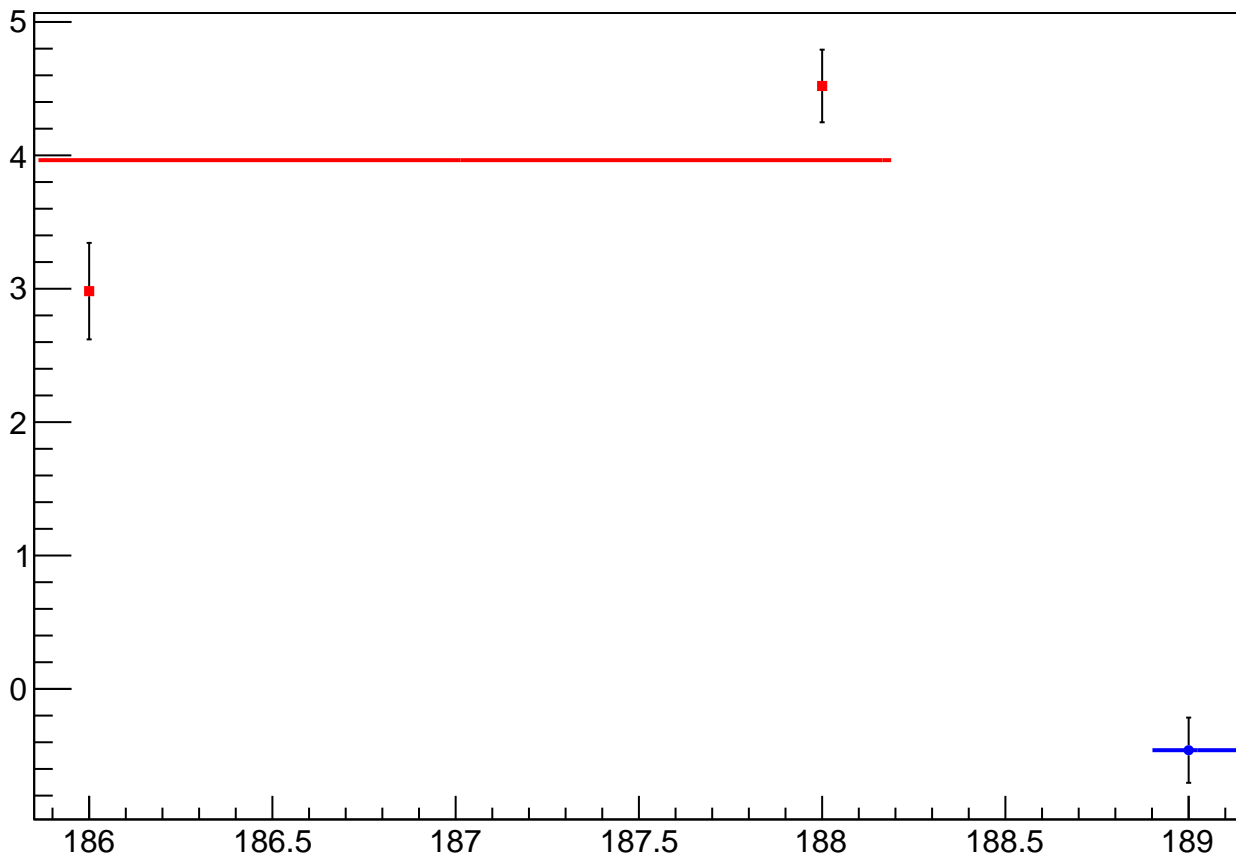
In: -44.325+/-0.086  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -44.621+/-0.052  $\chi^2$ /NDF: 1332.0/2



# dit\_usr\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.460 \pm 0.244$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $3.964 \pm 0.218$   $\chi^2/\text{NDF}: 11.5/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

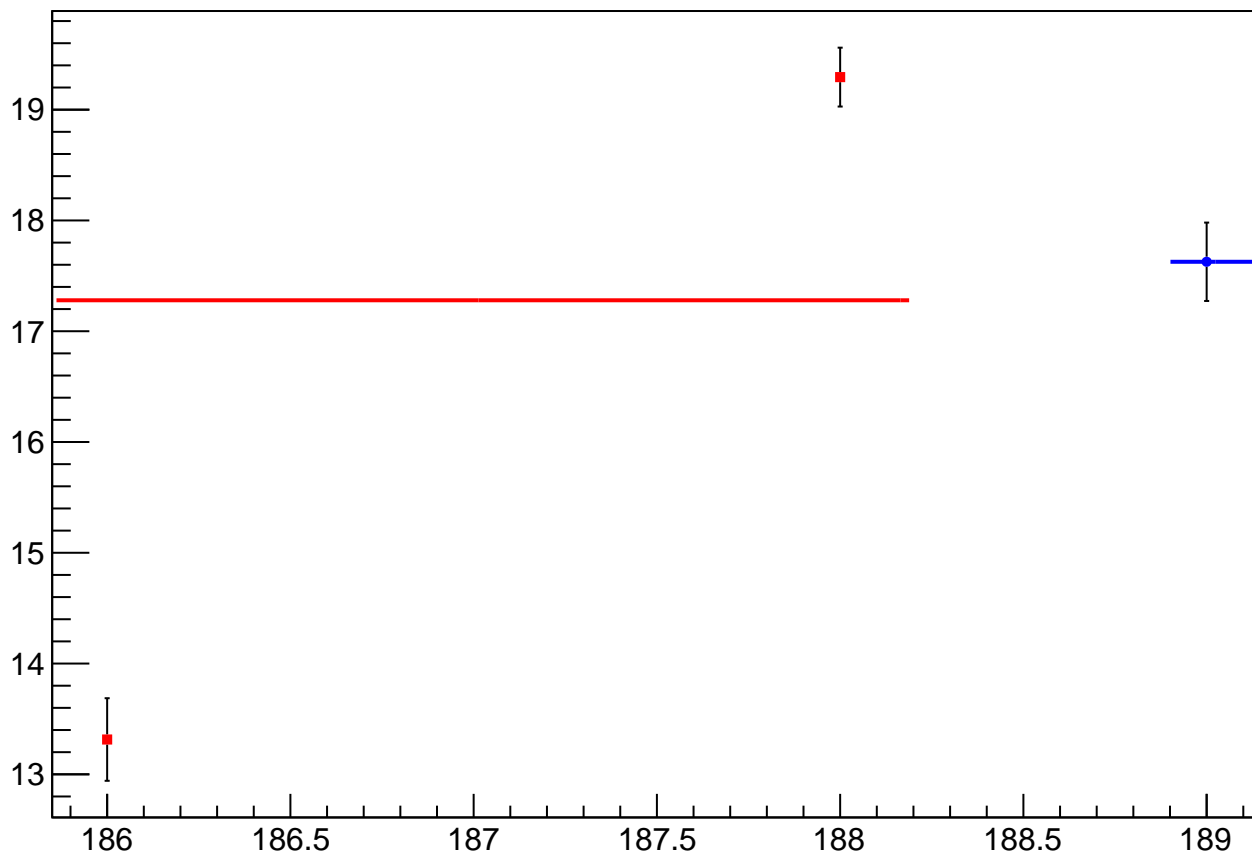
Right:  $2.009 \pm 0.162$   $\chi^2/\text{NDF}: 194.4/2$

In:  $-0.460 \pm 0.244$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $2.009 \pm 0.162$   $\chi^2/\text{NDF}: 194.4/2$

# dit\_usr\_4eY\_slope vs Slug, Sign Corrected



Right In: 17.627 $\pm$ 0.354  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.279 $\pm$ 0.216  $\chi^2$ /NDF: 170.6/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

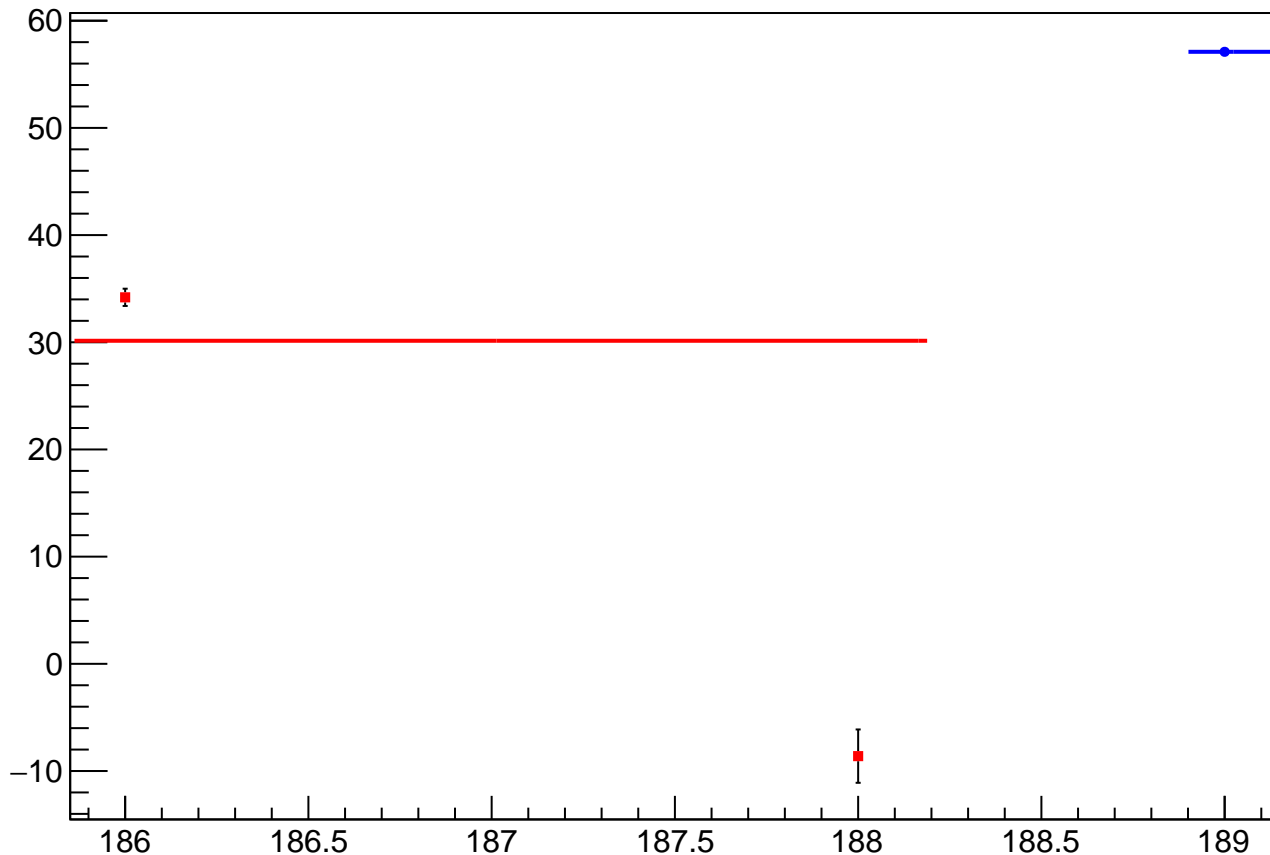
Right: 17.374 $\pm$ 0.185  $\chi^2$ /NDF: 171.3/2

In: 17.627 $\pm$ 0.354  $\chi^2$ /NDF: 0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.374 $\pm$ 0.185  $\chi^2$ /NDF: 171.3/2

# dit\_atl1\_4aX\_slope vs Slug, Sign Corrected



Right In: 57.100 $\pm$ 0.199  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 30.140 $\pm$ 0.766  $\chi^2$ /NDF: 267.9/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

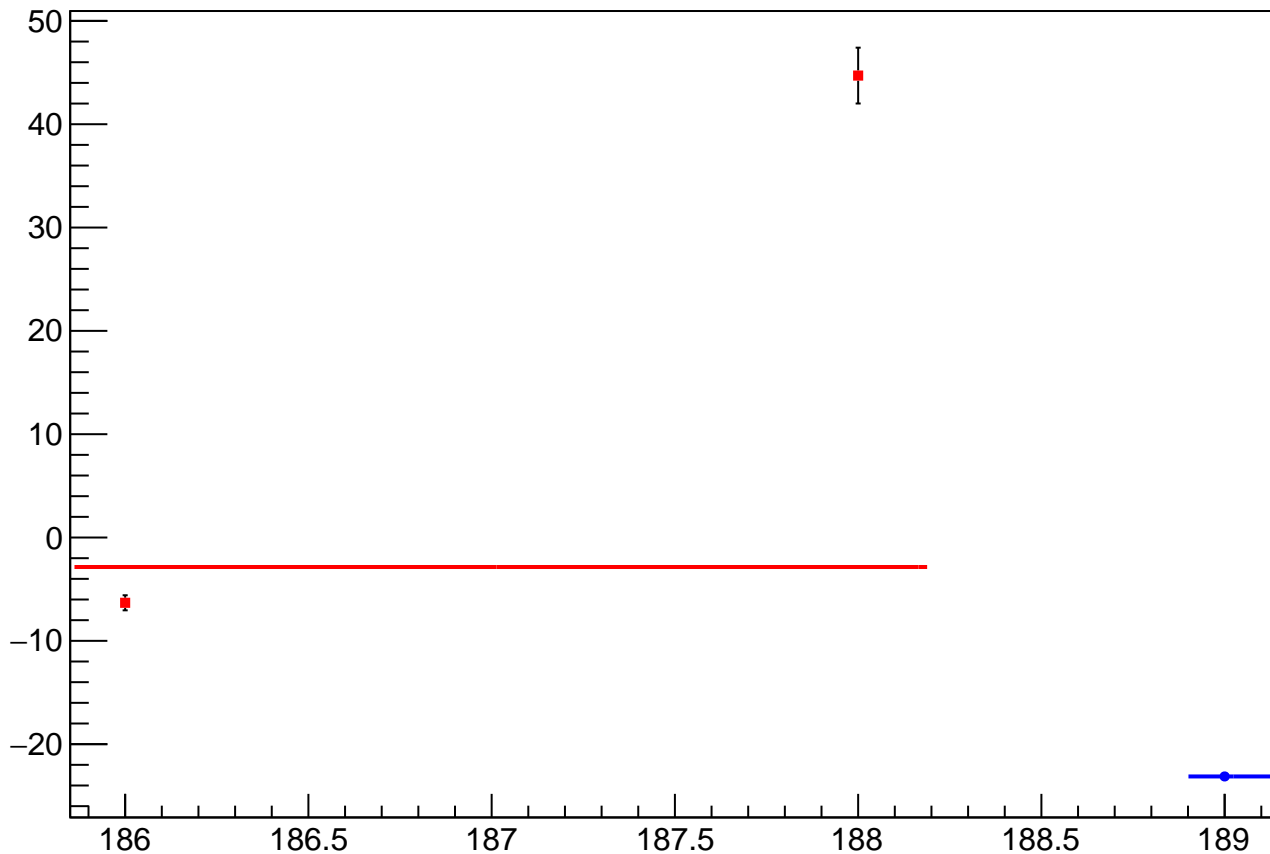
Right: 55.391 $\pm$ 0.193  $\chi^2$ /NDF: 1429.3/2

In: 57.100 $\pm$ 0.199  $\chi^2$ /NDF: 0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 55.391 $\pm$ 0.193  $\chi^2$ /NDF: 1429.3/2

# dit\_atl1\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-23.124 \pm 0.421$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-2.853 \pm 0.704$   $\chi^2/\text{NDF}: 332.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

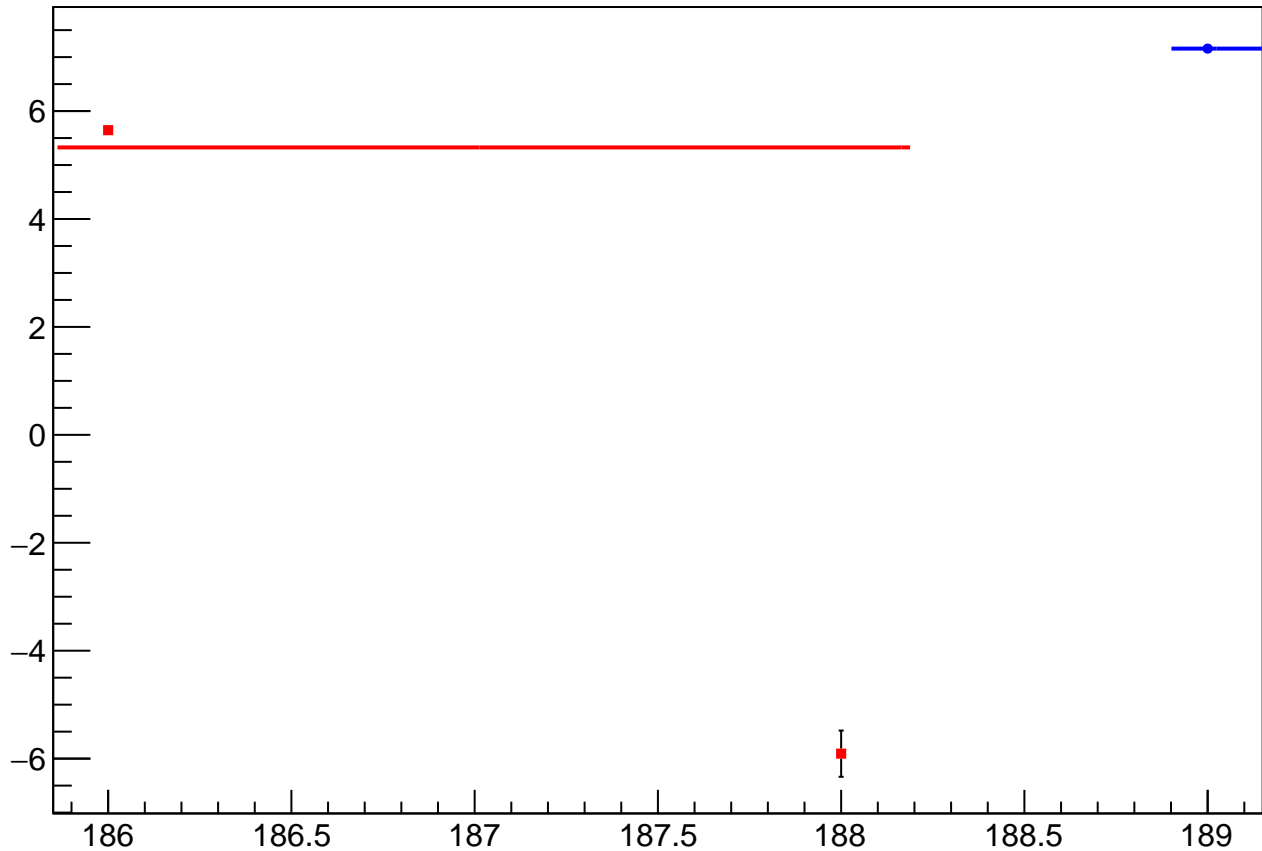
Right:  $-17.792 \pm 0.361$   $\chi^2/\text{NDF}: 943.9/2$

In:  $-23.124 \pm 0.421$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-17.792 \pm 0.361$   $\chi^2/\text{NDF}: 943.9/2$

# dit\_atl1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 7.157 $\pm$ 0.091  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 5.326 $\pm$ 0.071  $\chi^2$ /NDF: 707.1/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

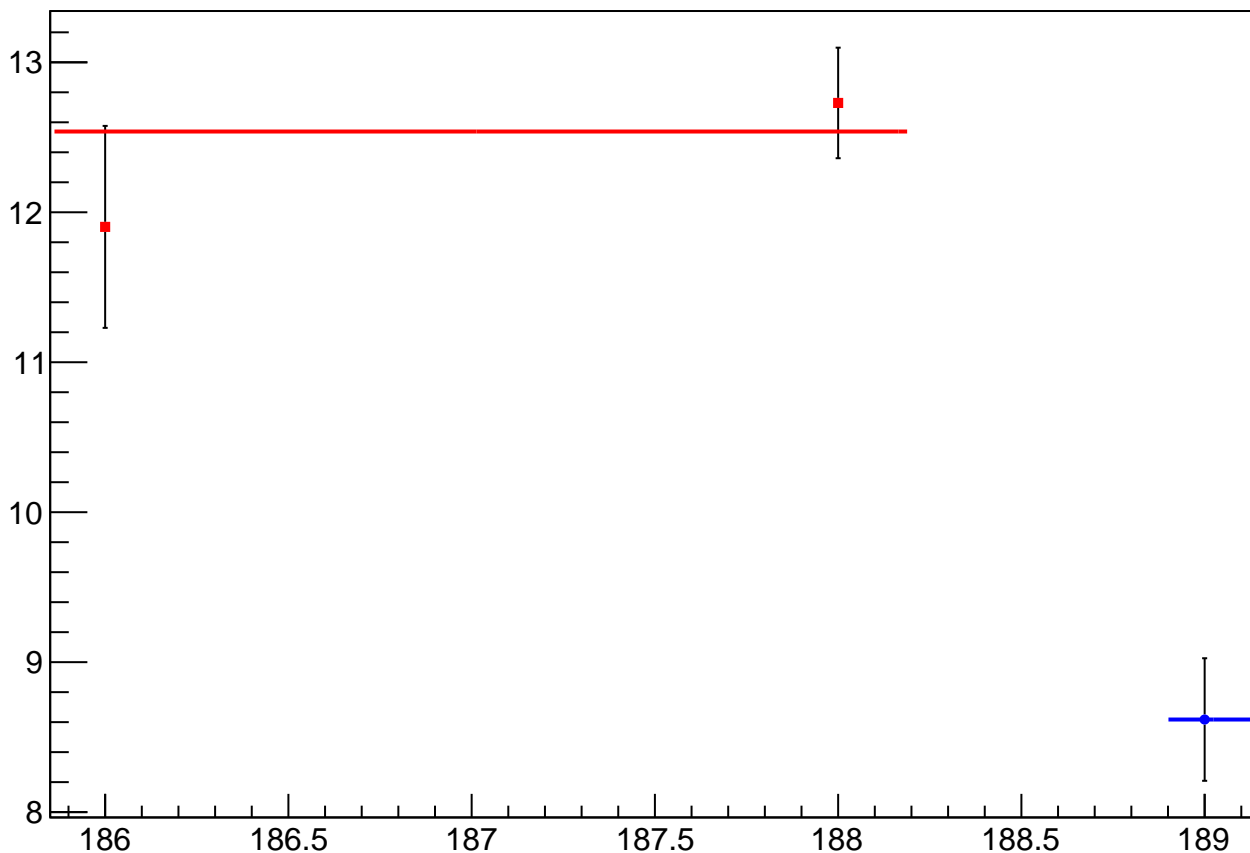
Right: 6.018 $\pm$ 0.056  $\chi^2$ /NDF: 956.5/2

In: 7.157 $\pm$ 0.091  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 6.018 $\pm$ 0.056  $\chi^2$ /NDF: 956.5/2

# dit\_atl1\_4aY\_slope vs Slug, Sign Corrected



Right In: 8.617 $\pm$ 0.409  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 12.539 $\pm$ 0.323  $\chi^2$ /NDF: 1.2/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

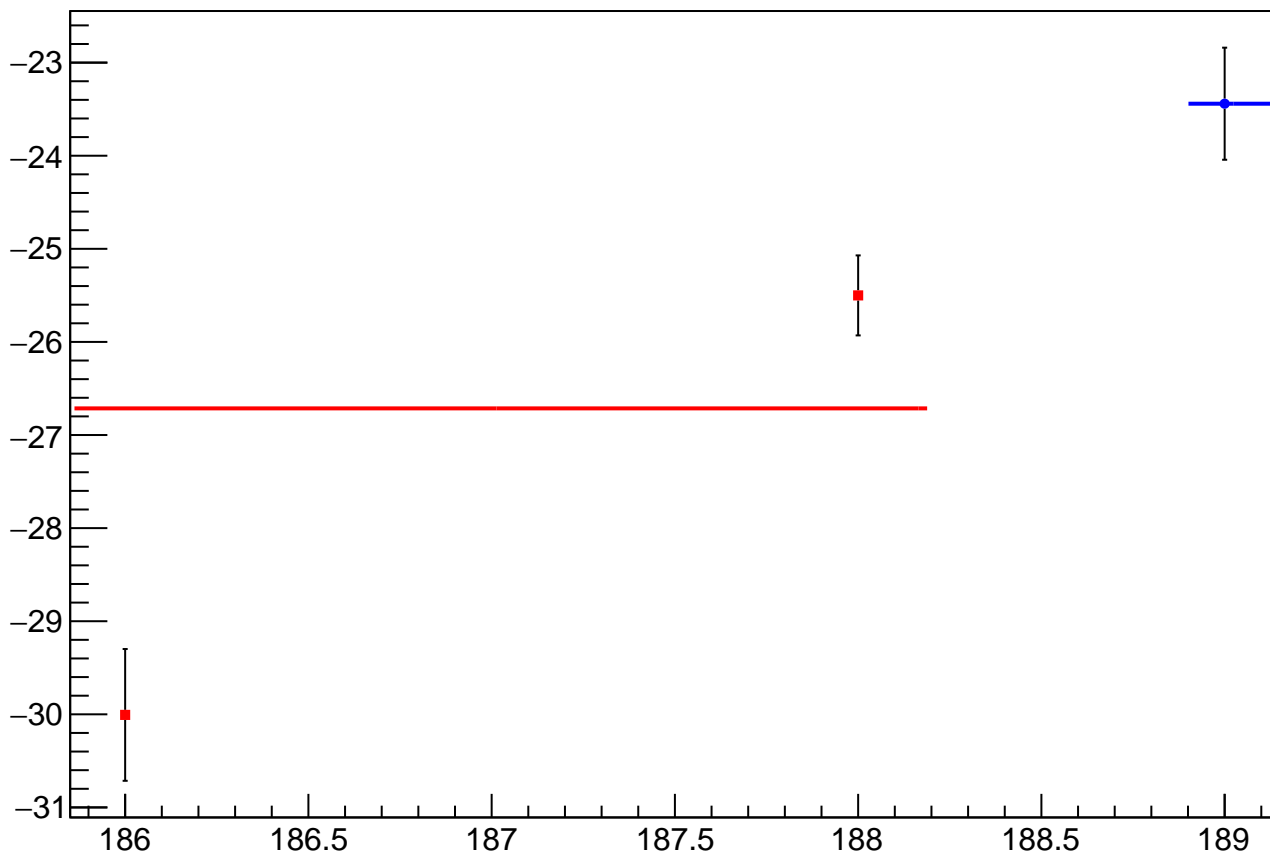
Right: 11.029 $\pm$ 0.254  $\chi^2$ /NDF: 57.8/2

In: 8.617 $\pm$ 0.409  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 11.029 $\pm$ 0.254  $\chi^2$ /NDF: 57.8/2

# dit\_atl1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-23.441 \pm 0.602$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-26.714 \pm 0.367$   $\chi^2/\text{NDF}: 29.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

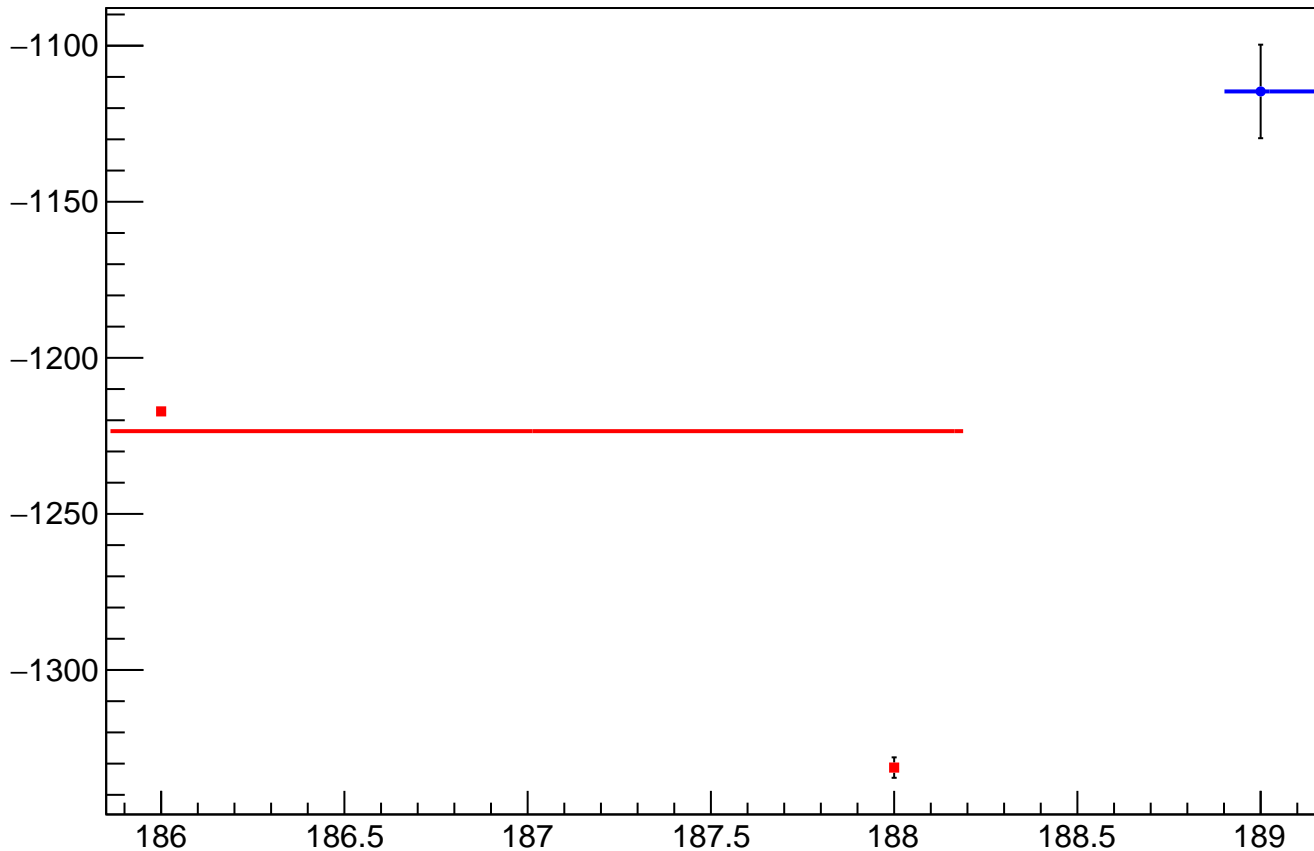
Right:  $-25.826 \pm 0.314$   $\chi^2/\text{NDF}: 51.2/2$

In:  $-23.441 \pm 0.602$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-25.826 \pm 0.314$   $\chi^2/\text{NDF}: 51.2/2$

# dit\_atl2\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-1114.653 \pm 14.982$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1223.486 \pm 0.771$   $\chi^2/\text{NDF}: 1147.9/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-1223.198 \pm 0.770$   $\chi^2/\text{NDF}: 1200.6/2$

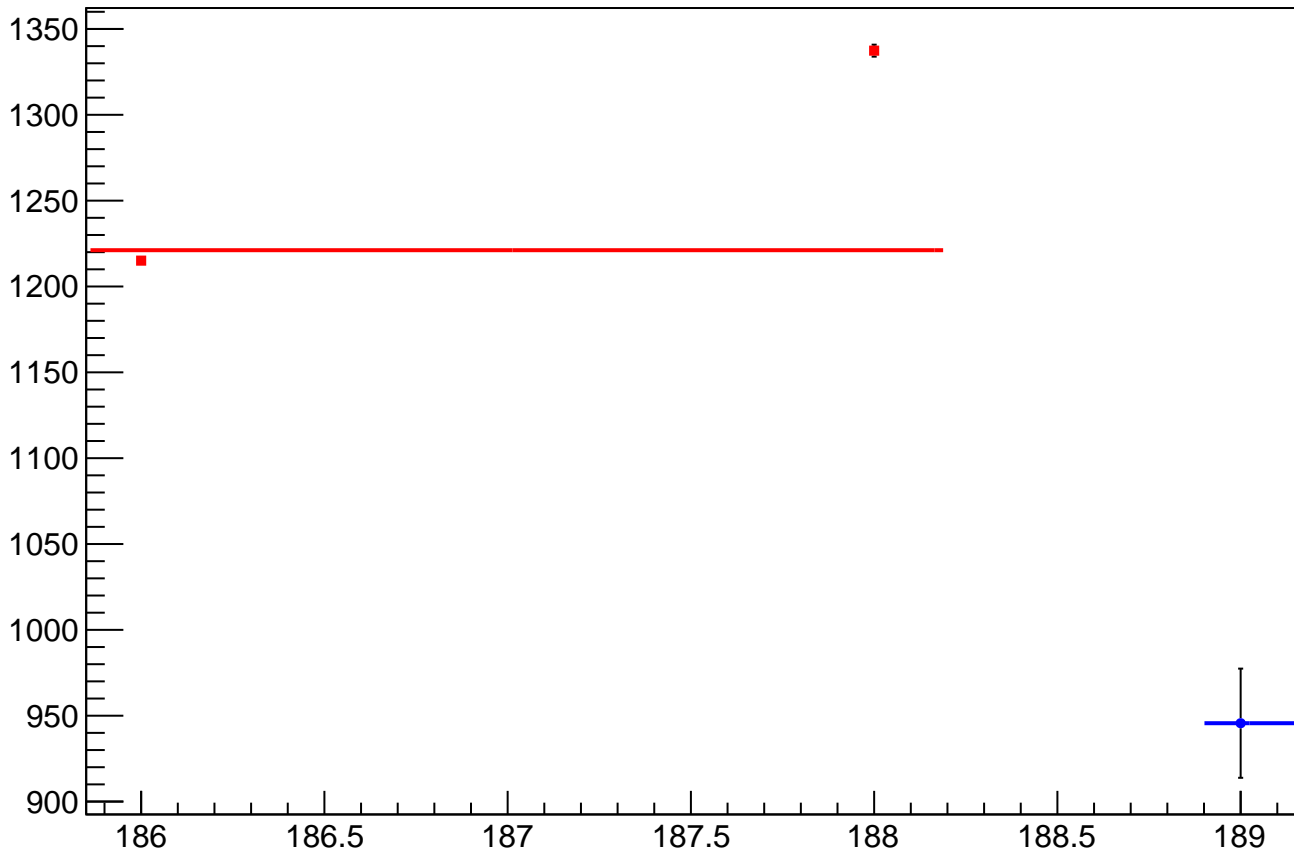
In:  $-1114.653 \pm 14.982$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1223.198 \pm 0.770$   $\chi^2/\text{NDF}: 1200.6/2$



# dit\_atl2\_4eX\_slope vs Slug, Sign Corrected



Right In:  $945.630 \pm 31.796$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $1221.138 \pm 0.777$   $\chi^2/\text{NDF}: 1171.3/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

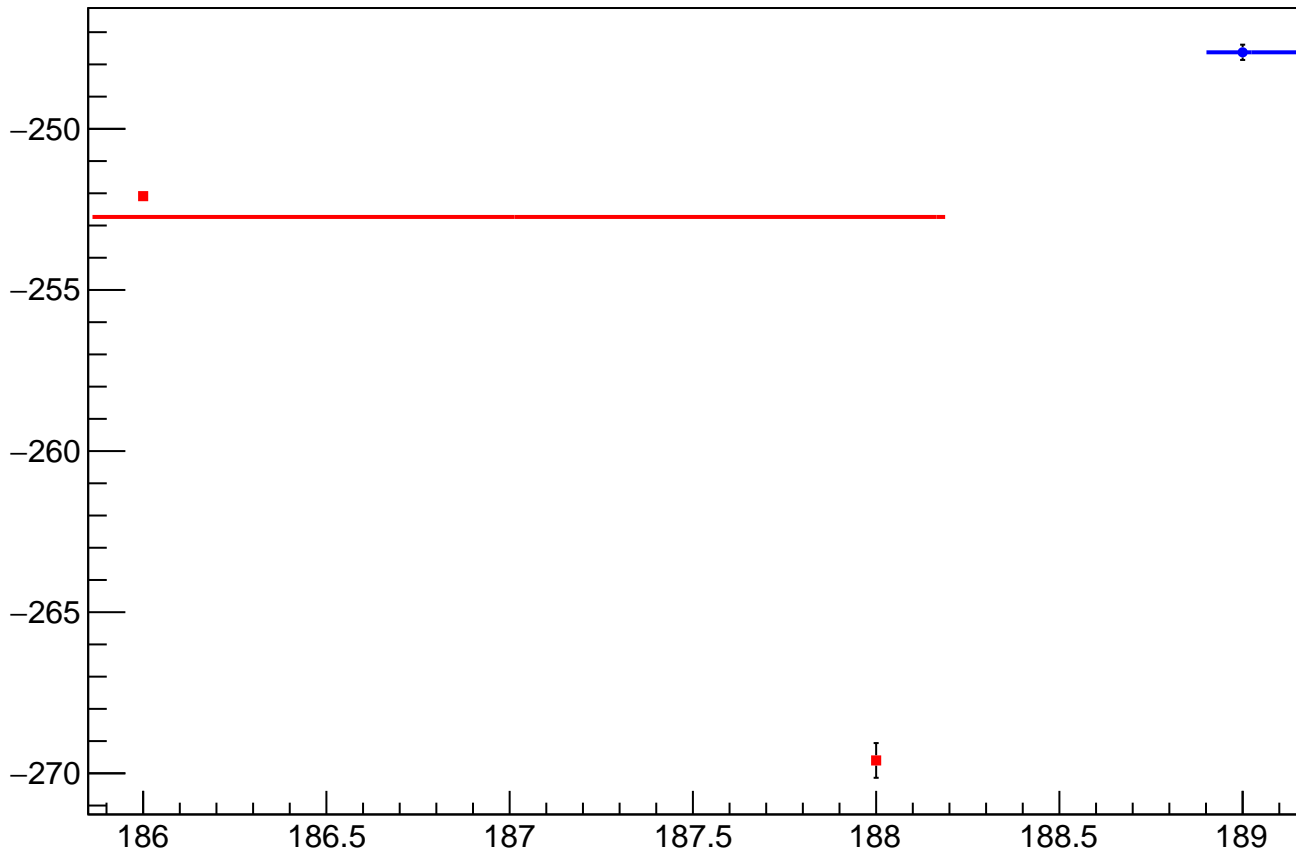
Right:  $1220.974 \pm 0.776$   $\chi^2/\text{NDF}: 1246.3/2$

In:  $945.630 \pm 31.796$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $1220.974 \pm 0.776$   $\chi^2/\text{NDF}: 1246.3/2$

# dit\_atl2\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-247.625 \pm 0.237$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-252.734 \pm 0.103$   $\chi^2/\text{NDF}: 1016.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

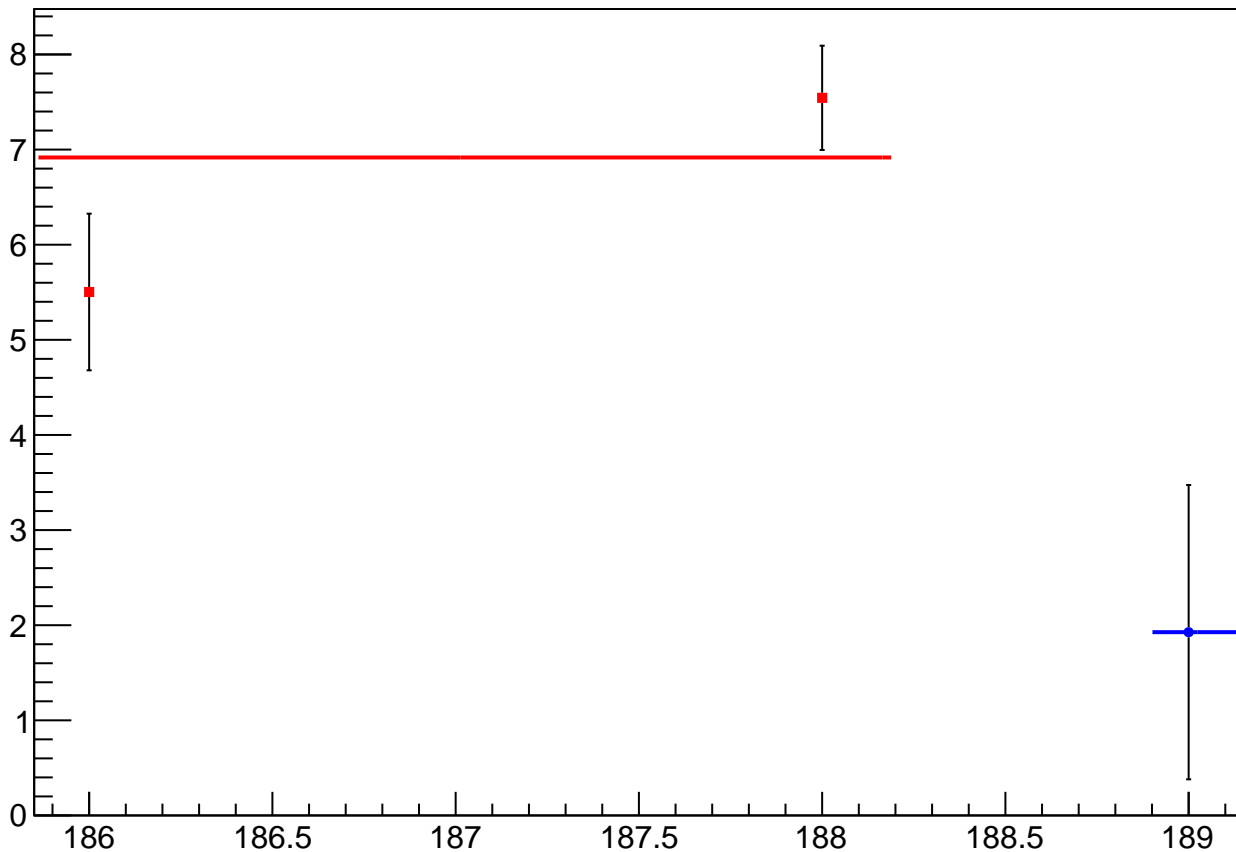
Right:  $-251.917 \pm 0.095$   $\chi^2/\text{NDF}: 1406.6/2$

In:  $-247.625 \pm 0.237$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-251.917 \pm 0.095$   $\chi^2/\text{NDF}: 1406.6/2$

# dit\_atl2\_4aY\_slope vs Slug, Sign Corrected



Right In: 1.927+/-1.547  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.917+/-0.456  $\chi^2/\text{NDF}$ : 4.3/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

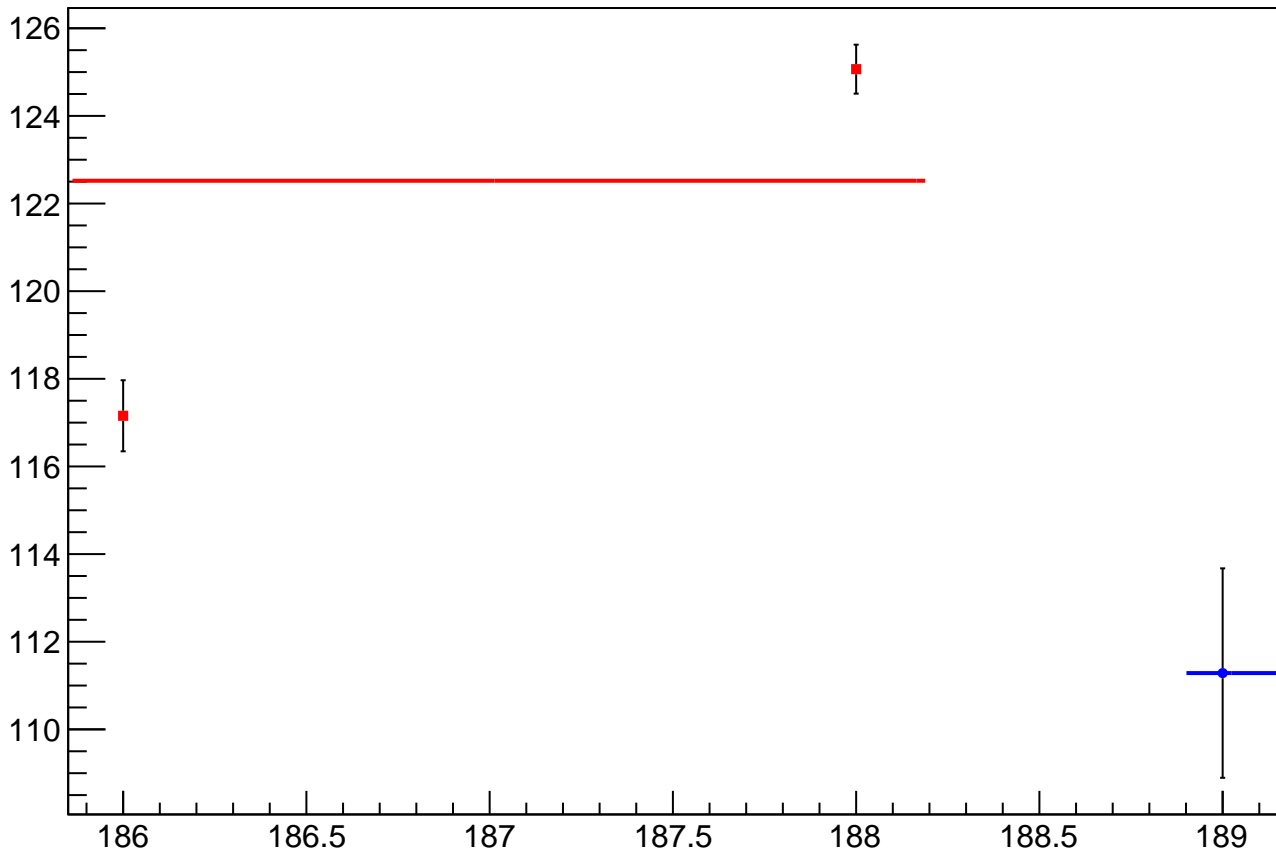
Right: 6.518+/-0.438  $\chi^2/\text{NDF}$ : 13.8/2

In: 1.927+/-1.547  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.518+/-0.438  $\chi^2/\text{NDF}$ : 13.8/2

# dit\_atl2\_4eY\_slope vs Slug, Sign Corrected



Right In: 111.285 $\pm$ 2.390  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 122.520 $\pm$ 0.460  $\chi^2$ /NDF: 64.5/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

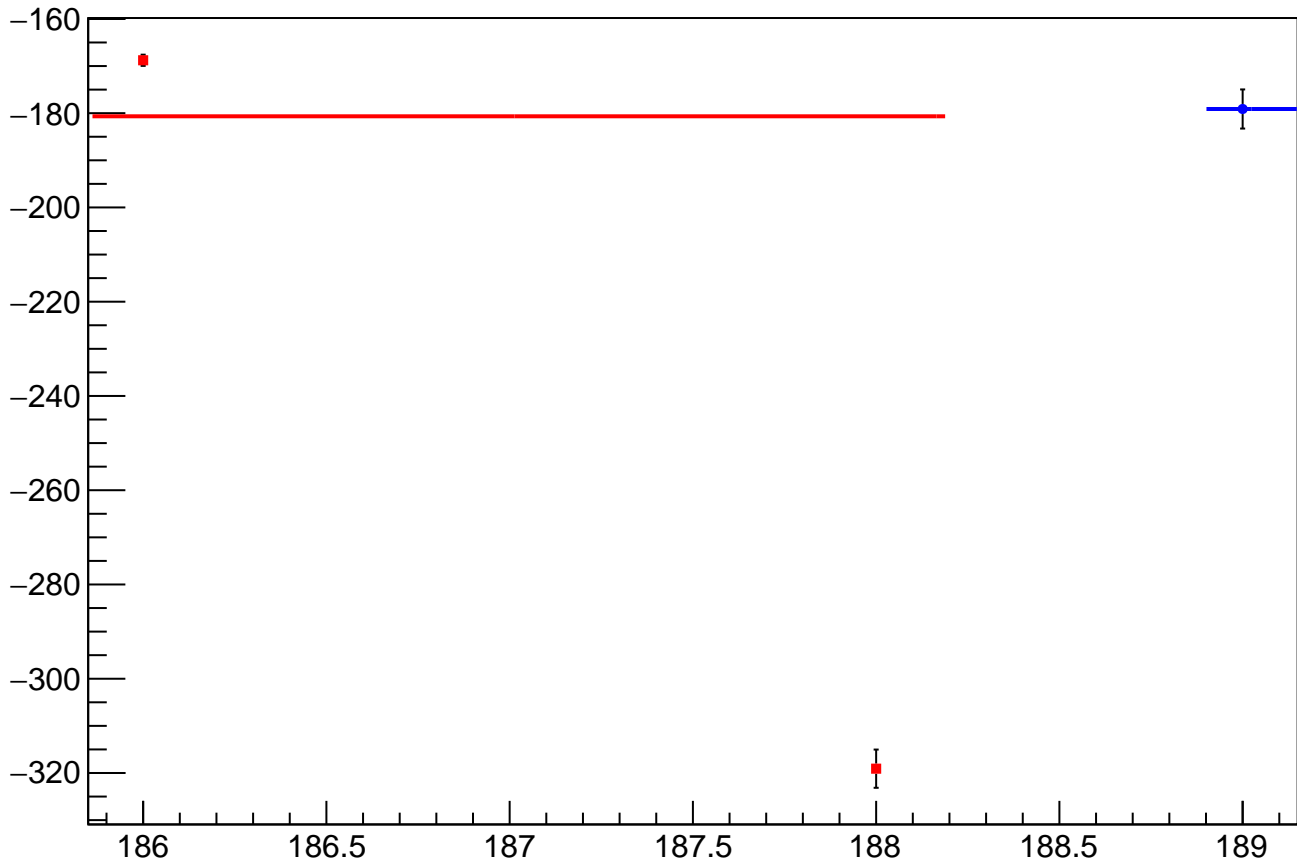
Right: 122.118 $\pm$ 0.452  $\chi^2$ /NDF: 85.8/2

In: 111.285 $\pm$ 2.390  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 122.118 $\pm$ 0.452  $\chi^2$ /NDF: 85.8/2

# dit\_atr1\_4aX\_slope vs Slug, Sign Corrected



Right In: -179.113+/-4.151  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -180.662+/-1.141  $\chi^2$ /NDF: 1264.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

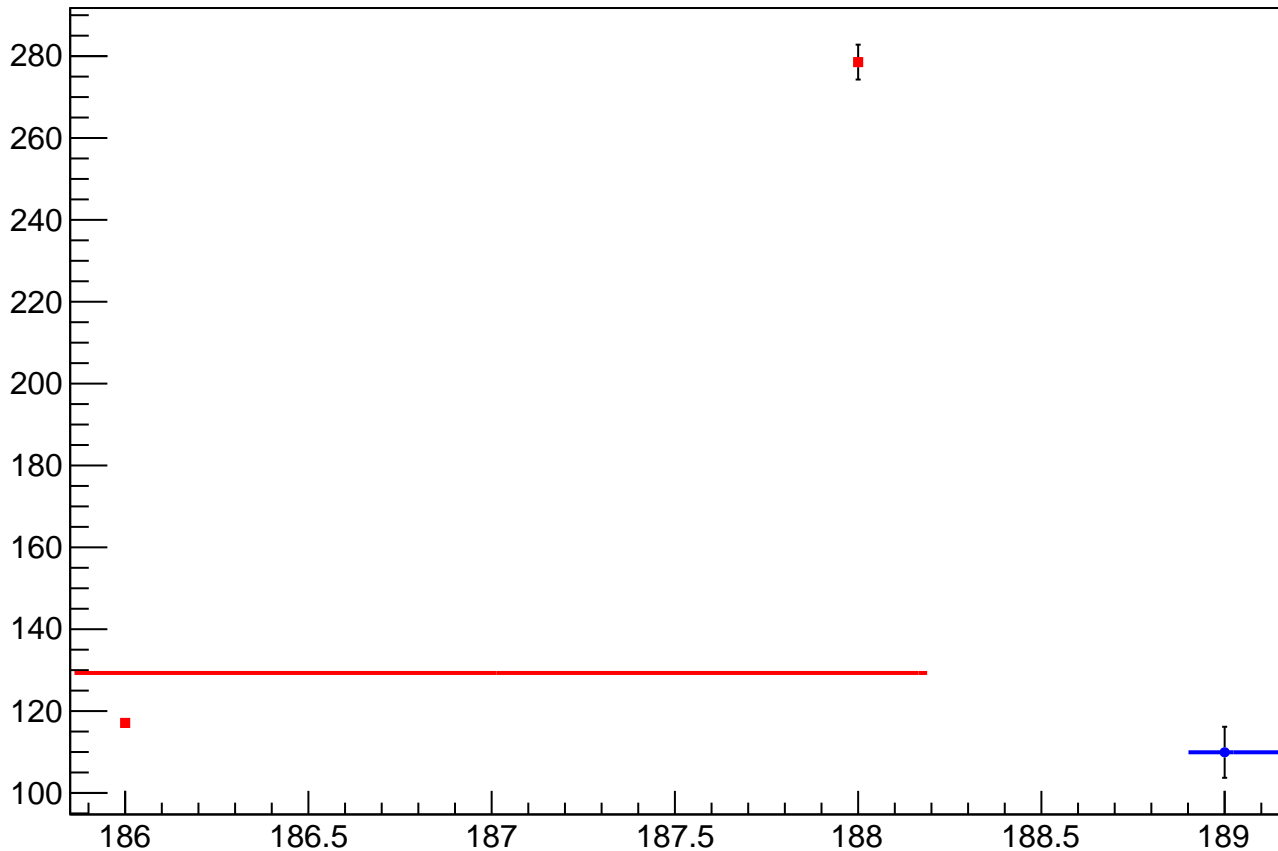
Right: -180.553+/-1.100  $\chi^2$ /NDF: 1264.4/2

In: -179.113+/-4.151  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -180.553+/-1.100  $\chi^2$ /NDF: 1264.4/2

# dit\_atr1\_4eX\_slope vs Slug, Sign Corrected



Right In: 109.934 $\pm$ 6.233  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 129.313 $\pm$ 1.171  $\chi^2$ /NDF: 1328.3/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

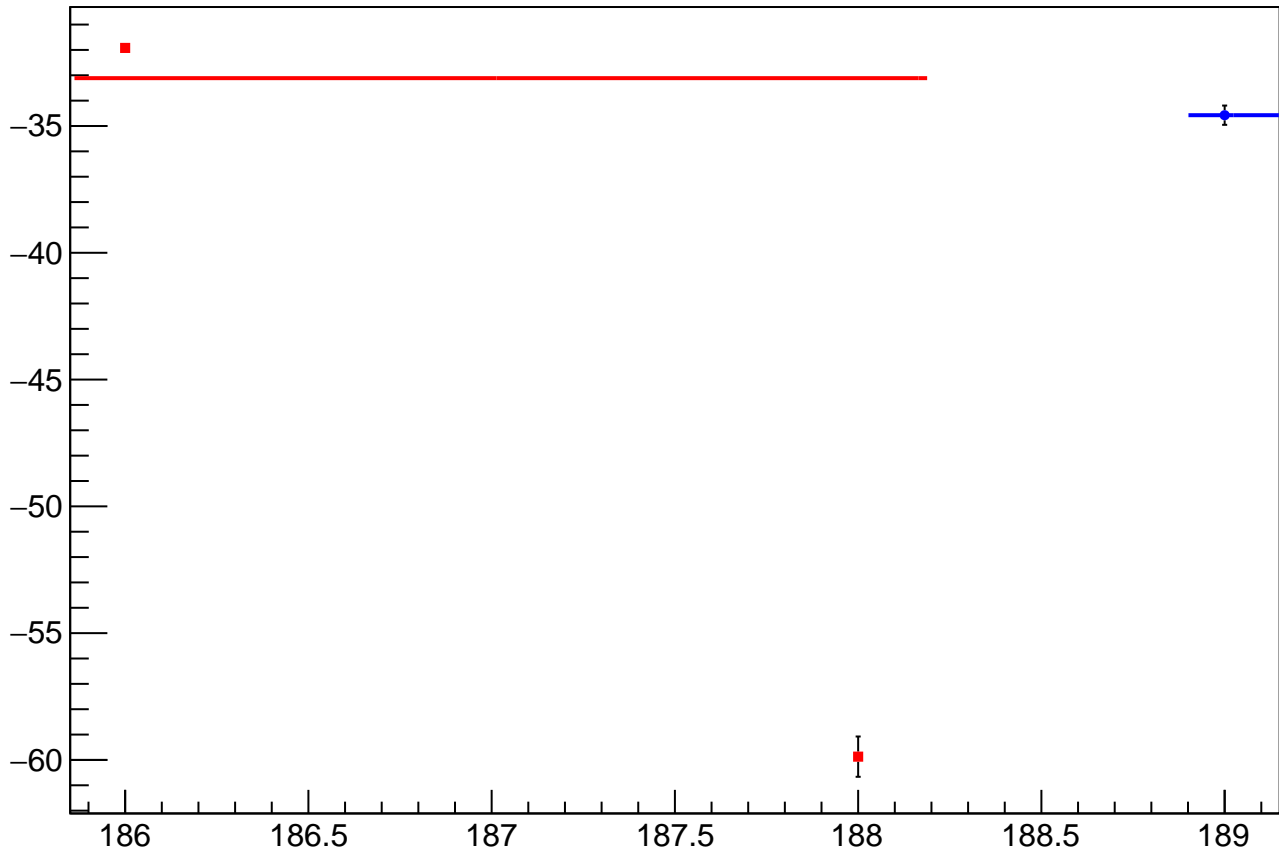
Right: 128.652 $\pm$ 1.151  $\chi^2$ /NDF: 1337.6/2

In: 109.934 $\pm$ 6.233  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 128.652 $\pm$ 1.151  $\chi^2$ /NDF: 1337.6/2

# dit\_atr1\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-34.574 \pm 0.380$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-33.113 \pm 0.164$   $\chi^2/\text{NDF}: 1184.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

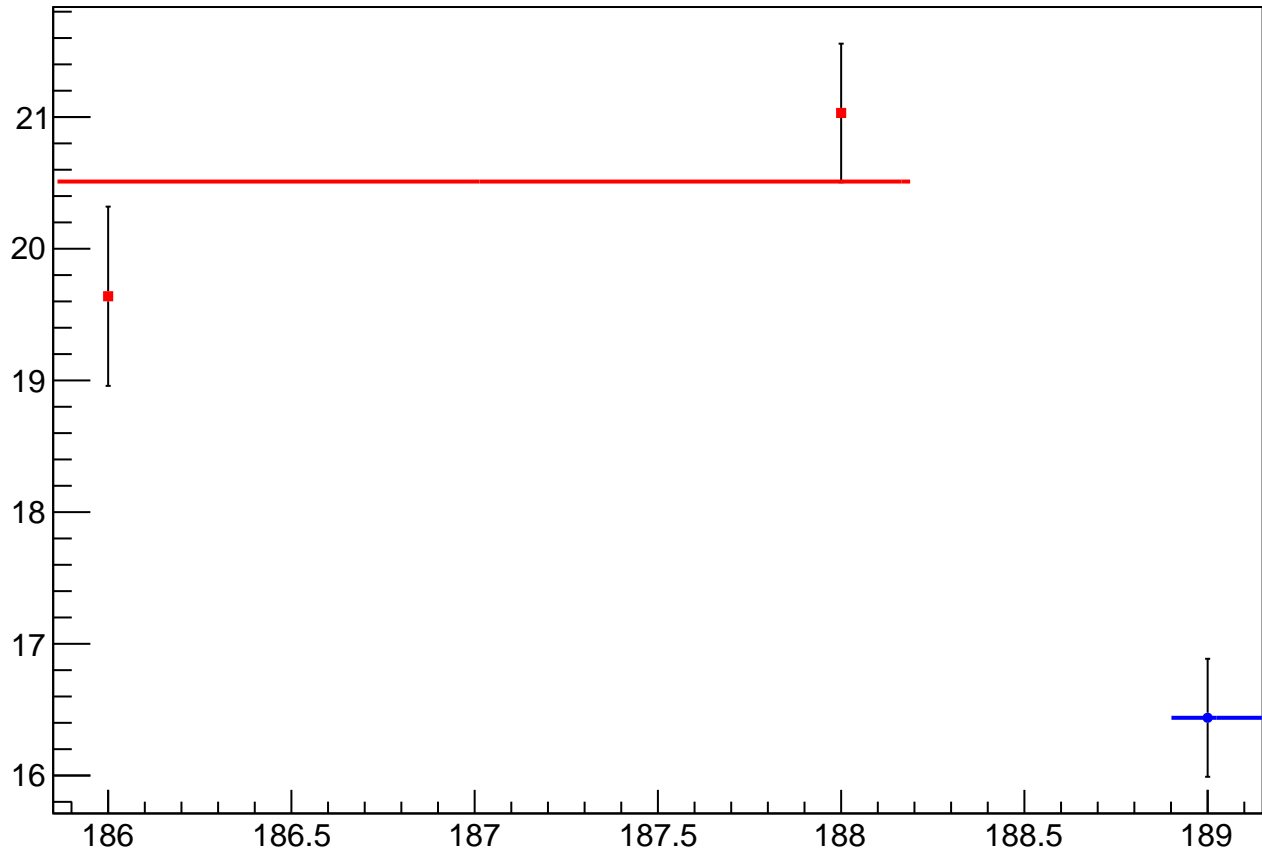
Right:  $-33.343 \pm 0.151$   $\chi^2/\text{NDF}: 1197.1/2$

In:  $-34.574 \pm 0.380$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-33.343 \pm 0.151$   $\chi^2/\text{NDF}: 1197.1/2$

# dit\_atr1\_4aY\_slope vs Slug, Sign Corrected



Right In: 16.438 $\pm$ 0.448  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 20.510 $\pm$ 0.416  $\chi^2$ /NDF: 2.6/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 18.624 $\pm$ 0.305  $\chi^2$ /NDF: 46.9/2

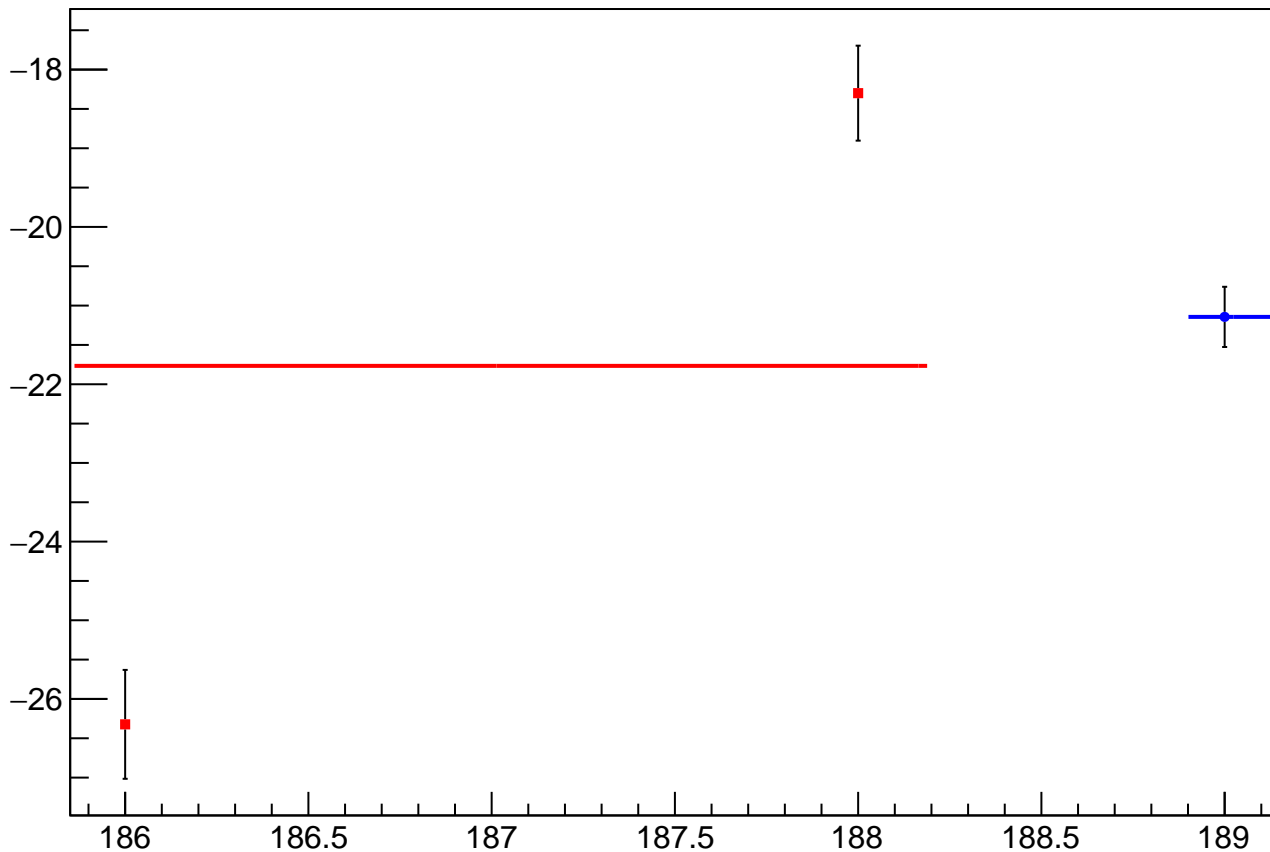
In: 16.438 $\pm$ 0.448  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 18.624 $\pm$ 0.305  $\chi^2$ /NDF: 46.9/2



# dit\_atr1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-21.144 \pm 0.383$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-21.766 \pm 0.455$   $\chi^2/\text{NDF}: 76.3/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

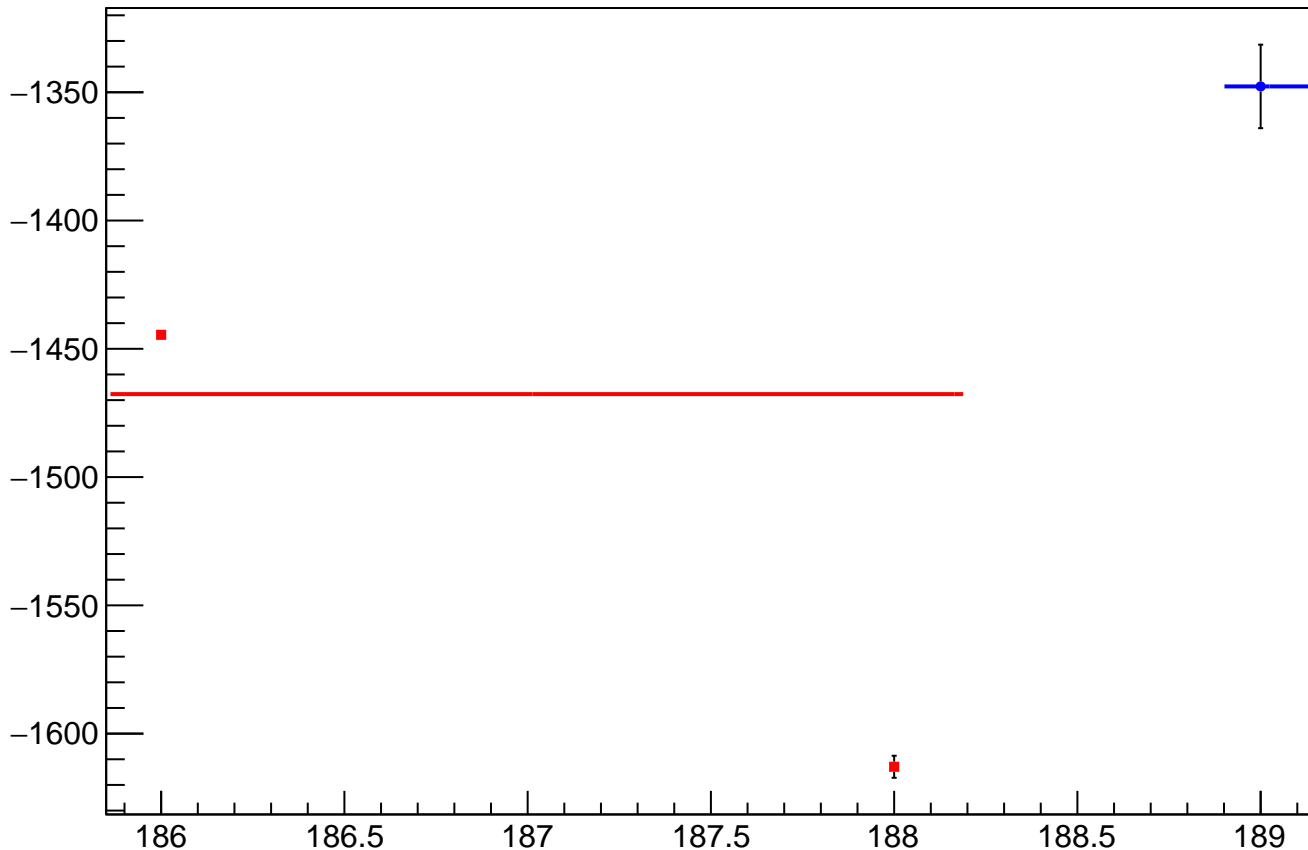
Right:  $-21.402 \pm 0.293$   $\chi^2/\text{NDF}: 77.4/2$

In:  $-21.144 \pm 0.383$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-21.402 \pm 0.293$   $\chi^2/\text{NDF}: 77.4/2$

# dit\_atr2\_4aX\_slope vs Slug, Sign Corrected



Right In: -1347.724+/-16.276  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1467.655+/-1.593  $\chi^2$ /NDF: 1323.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

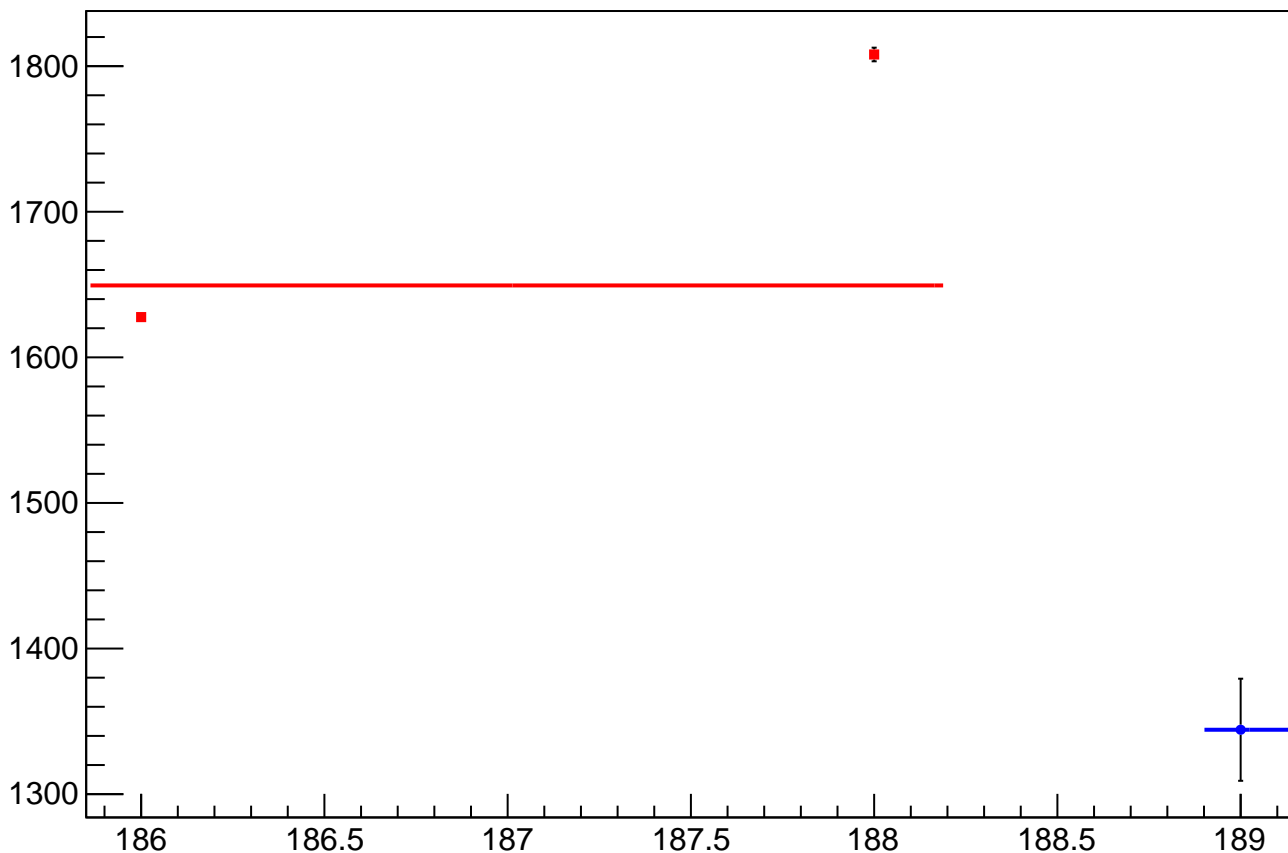
Right: -1466.518+/-1.585  $\chi^2$ /NDF: 1377.5/2

In: -1347.724+/-16.276  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1466.518+/-1.585  $\chi^2$ /NDF: 1377.5/2

# dit\_atr2\_4eX\_slope vs Slug, Sign Corrected



Right In: 1344.229+/-35.059  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1649.391+/-1.626  $\chi^2$ /NDF: 1304.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

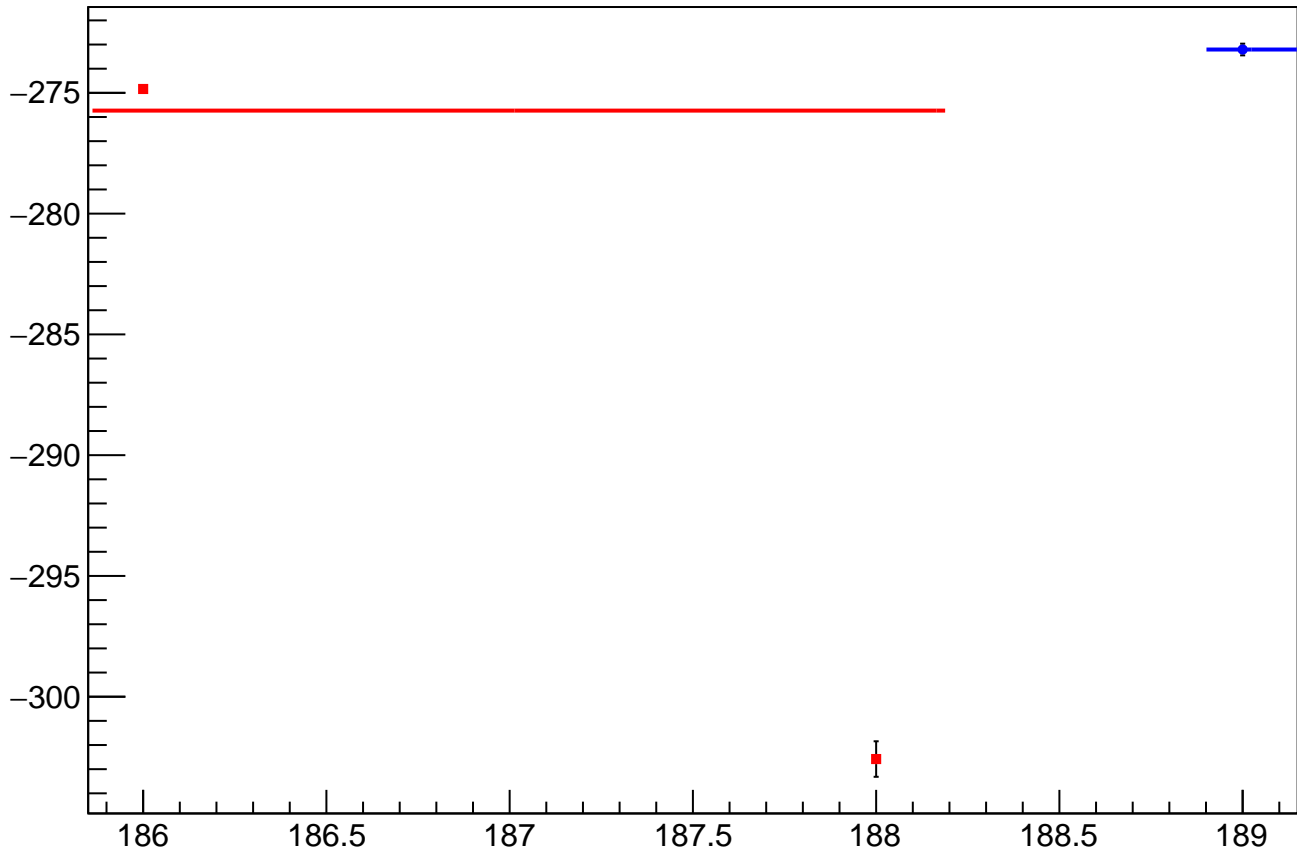
Right: 1648.736+/-1.624  $\chi^2$ /NDF: 1380.3/2

In: 1344.229+/-35.059  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1648.736+/-1.624  $\chi^2$ /NDF: 1380.3/2

# dit\_atr2\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-273.206 \pm 0.242$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-275.735 \pm 0.132$   $\chi^2/\text{NDF}: 1377.3/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

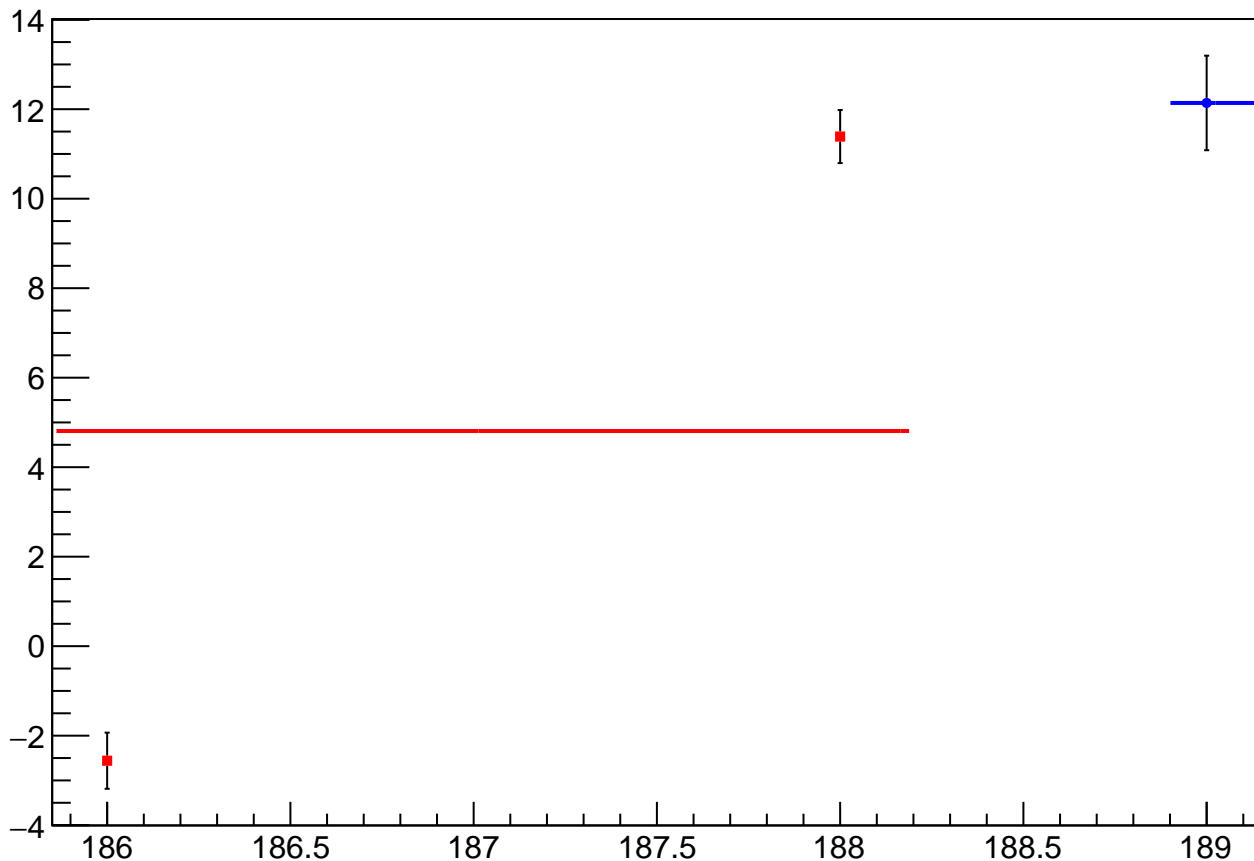
Right:  $-275.155 \pm 0.116$   $\chi^2/\text{NDF}: 1461.3/2$

In:  $-273.206 \pm 0.242$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-275.155 \pm 0.116$   $\chi^2/\text{NDF}: 1461.3/2$

# dit\_atr2\_4aY\_slope vs Slug, Sign Corrected



Right In: 12.140+/-1.056  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.809+/-0.431  $\chi^2$ /NDF: 261.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

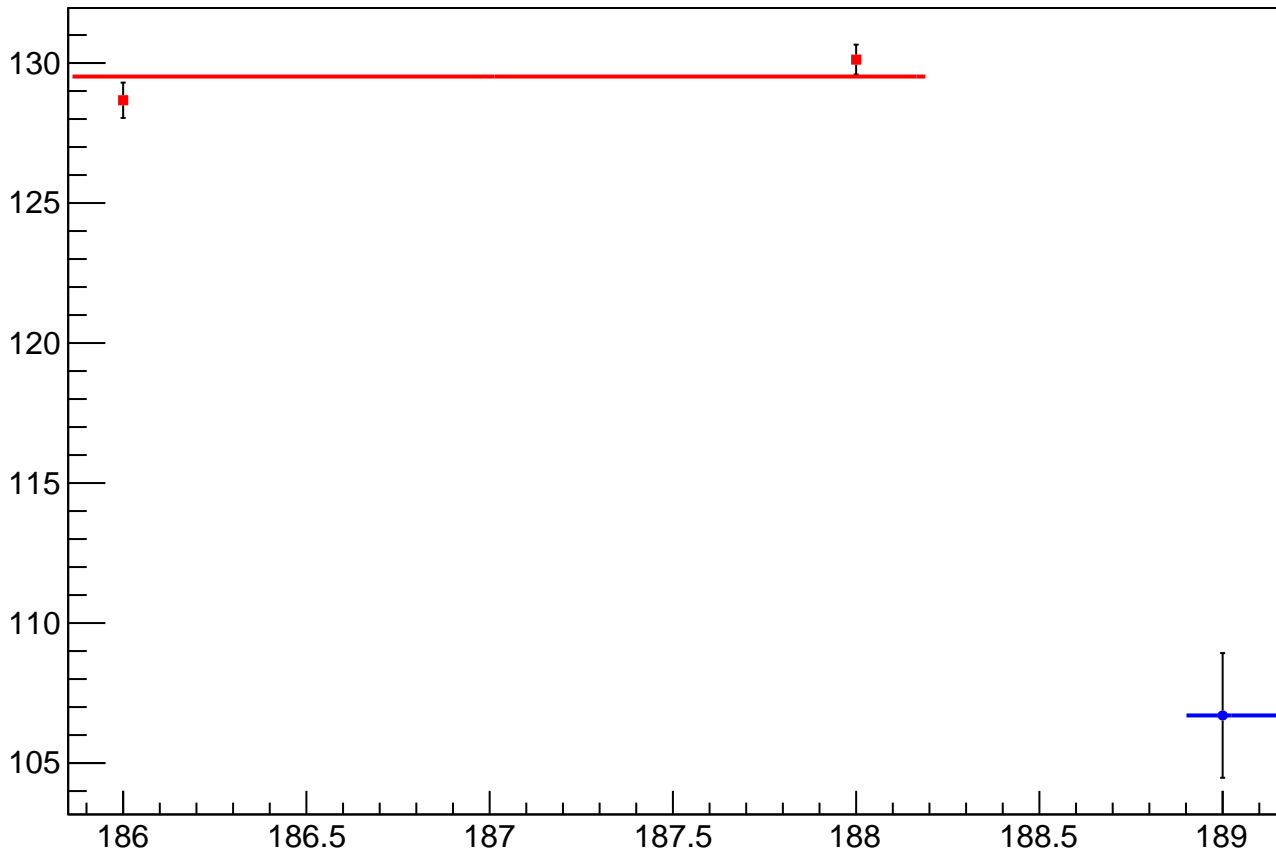
Right: 5.854+/-0.399  $\chi^2$ /NDF: 302.4/2

In: 12.140+/-1.056  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 5.854+/-0.399  $\chi^2$ /NDF: 302.4/2

# dit\_atr2\_4eY\_slope vs Slug, Sign Corrected



Right In: 106.701 $\pm$ 2.227  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 129.517 $\pm$ 0.407  $\chi^2$ /NDF: 3.1/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

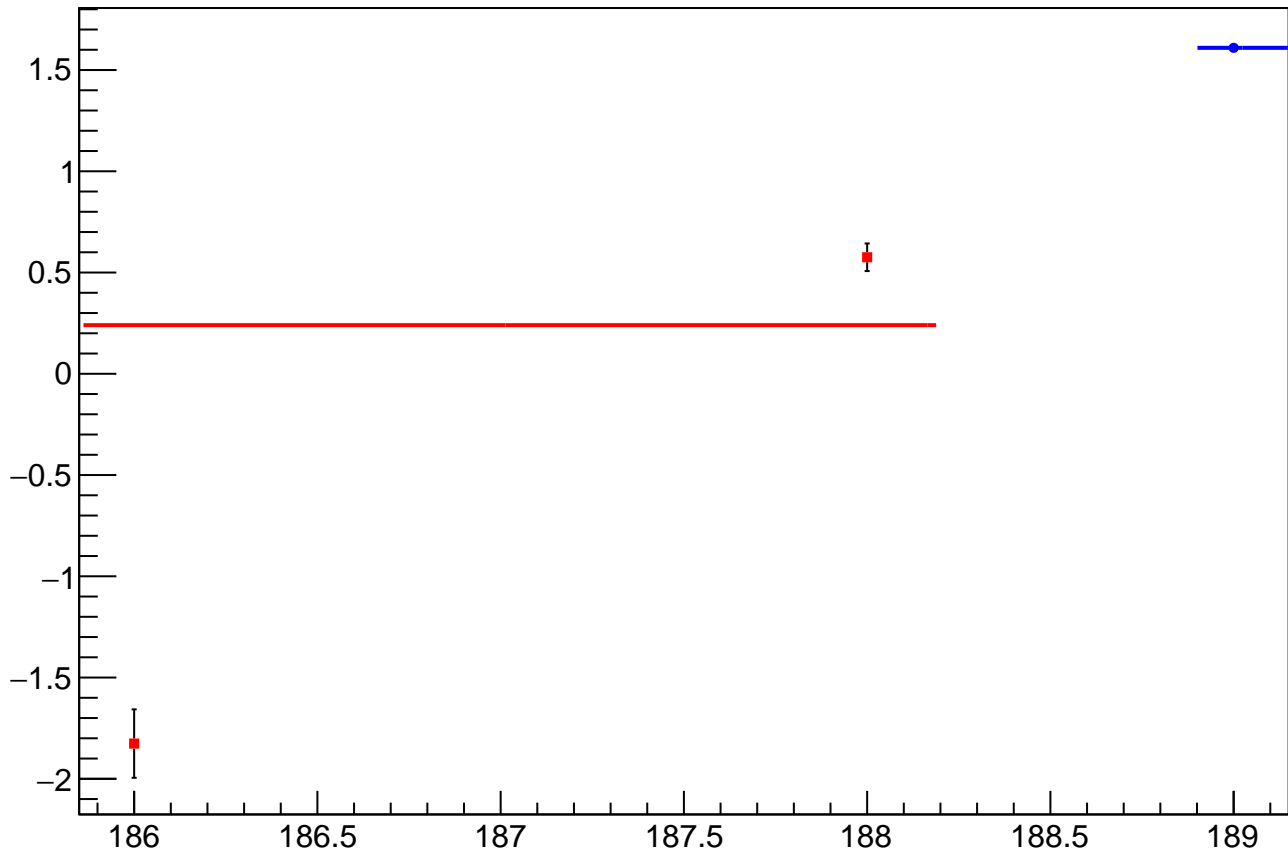
Right: 128.779 $\pm$ 0.401  $\chi^2$ /NDF: 104.7/2

In: 106.701 $\pm$ 2.227  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 128.779 $\pm$ 0.401  $\chi^2$ /NDF: 104.7/2

# dit\_sam1\_4aX\_slope vs Slug, Sign Corrected



Right In: 1.610 $\pm$ 0.016  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.240 $\pm$ 0.063  $\chi^2$ /NDF: 173.8/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

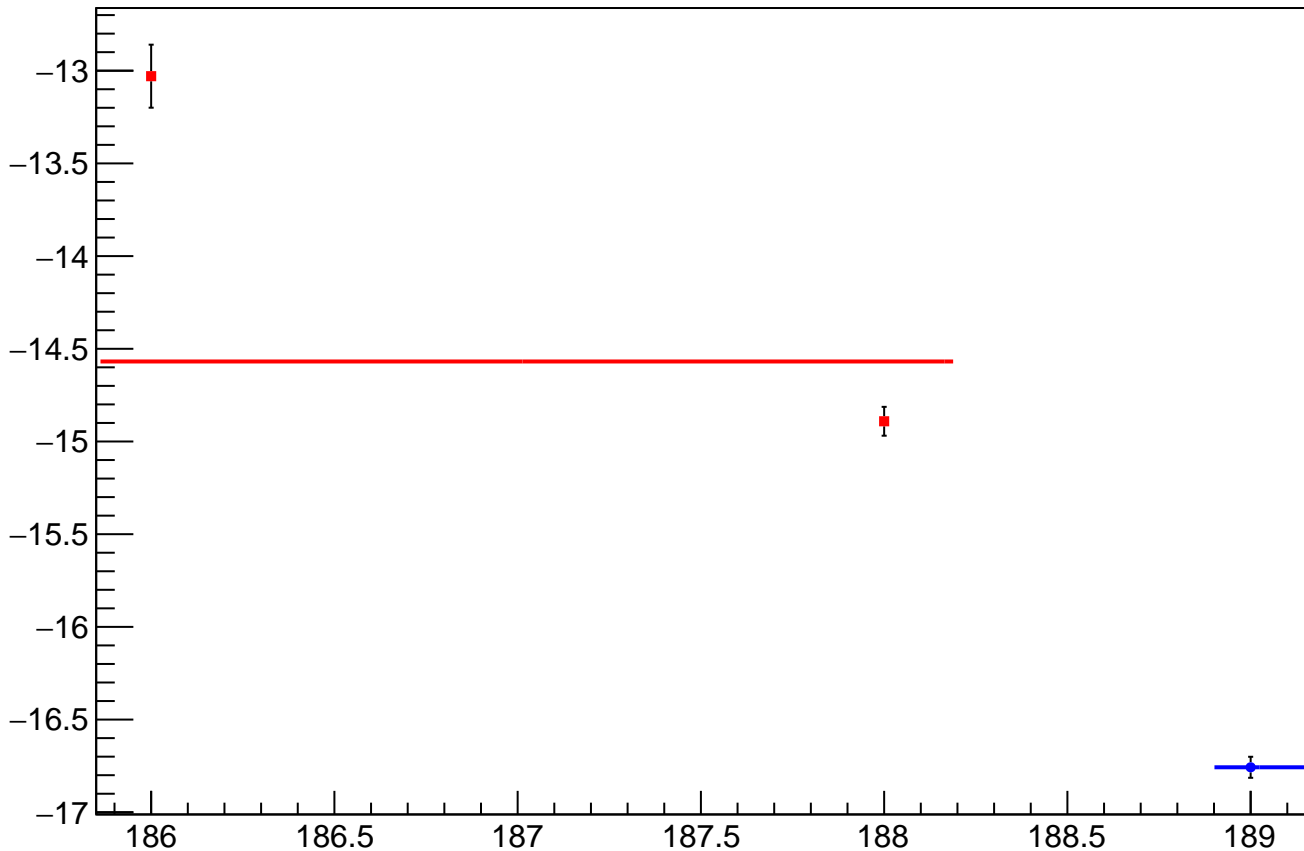
Right: 1.531 $\pm$ 0.015  $\chi^2$ /NDF: 617.2/2

In: 1.610 $\pm$ 0.016  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.531 $\pm$ 0.015  $\chi^2$ /NDF: 617.2/2

# dit\_sam1\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-16.757 \pm 0.057$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-14.568 \pm 0.071$   $\chi^2/\text{NDF}: 99.1/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-15.901 \pm 0.044$   $\chi^2/\text{NDF}: 681.8/2$

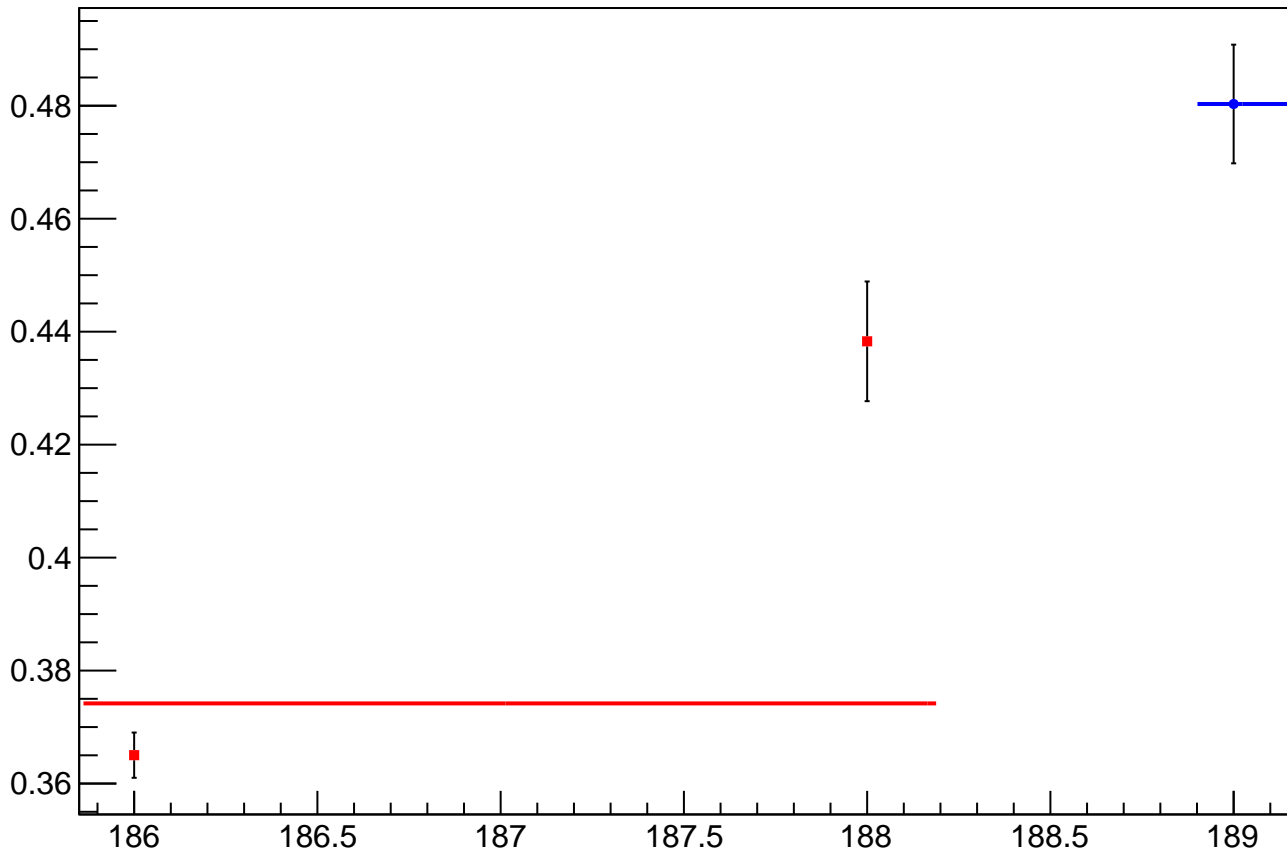
In:  $-16.757 \pm 0.057$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-15.901 \pm 0.044$   $\chi^2/\text{NDF}: 681.8/2$



# dit\_sam1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.480 $\pm$ 0.011  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.374 $\pm$ 0.004  $\chi^2$ /NDF: 41.8/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

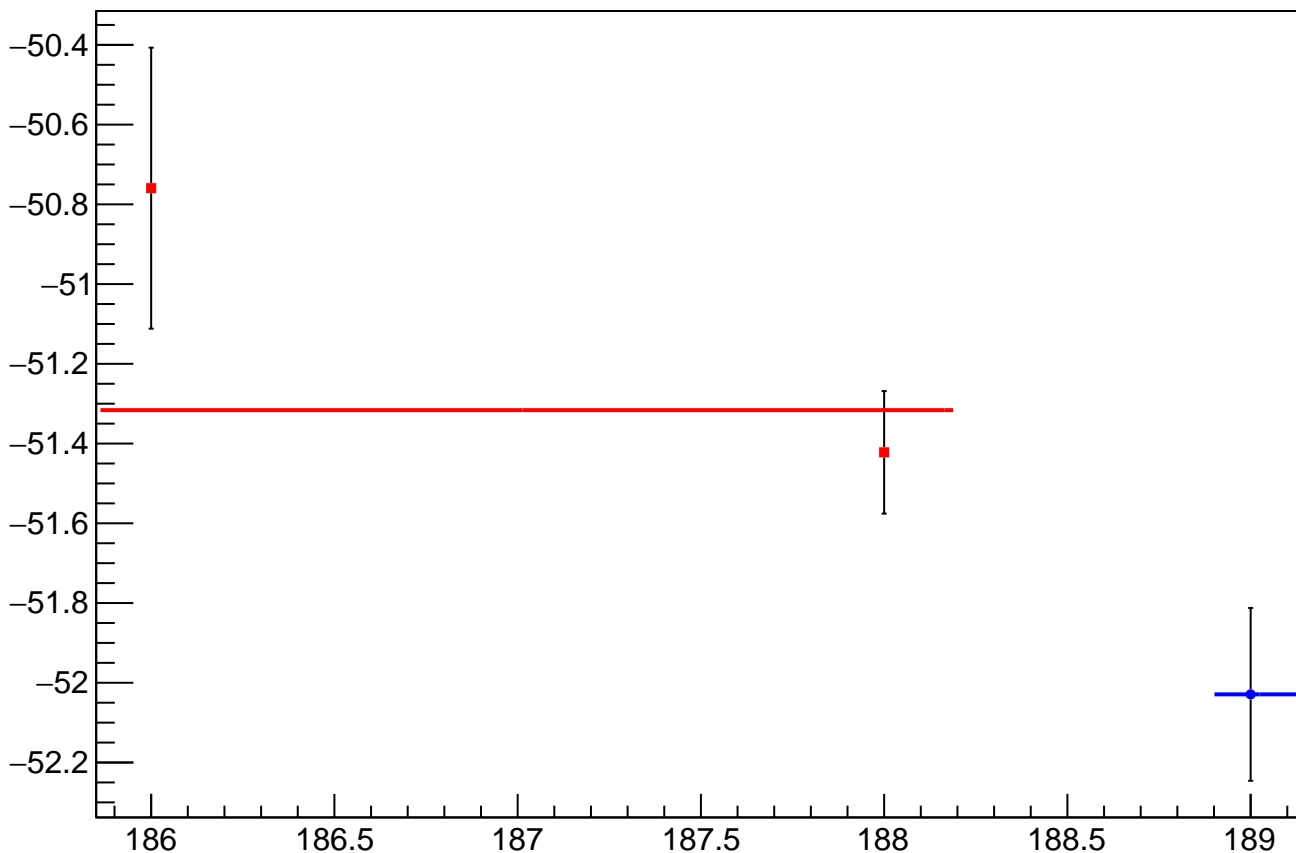
Right: 0.386 $\pm$ 0.004  $\chi^2$ /NDF: 132.4/2

In: 0.480 $\pm$ 0.011  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.386 $\pm$ 0.004  $\chi^2$ /NDF: 132.4/2

# dit\_sam1\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-52.029 \pm 0.217$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-51.316 \pm 0.141$   $\chi^2/\text{NDF}: 3.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

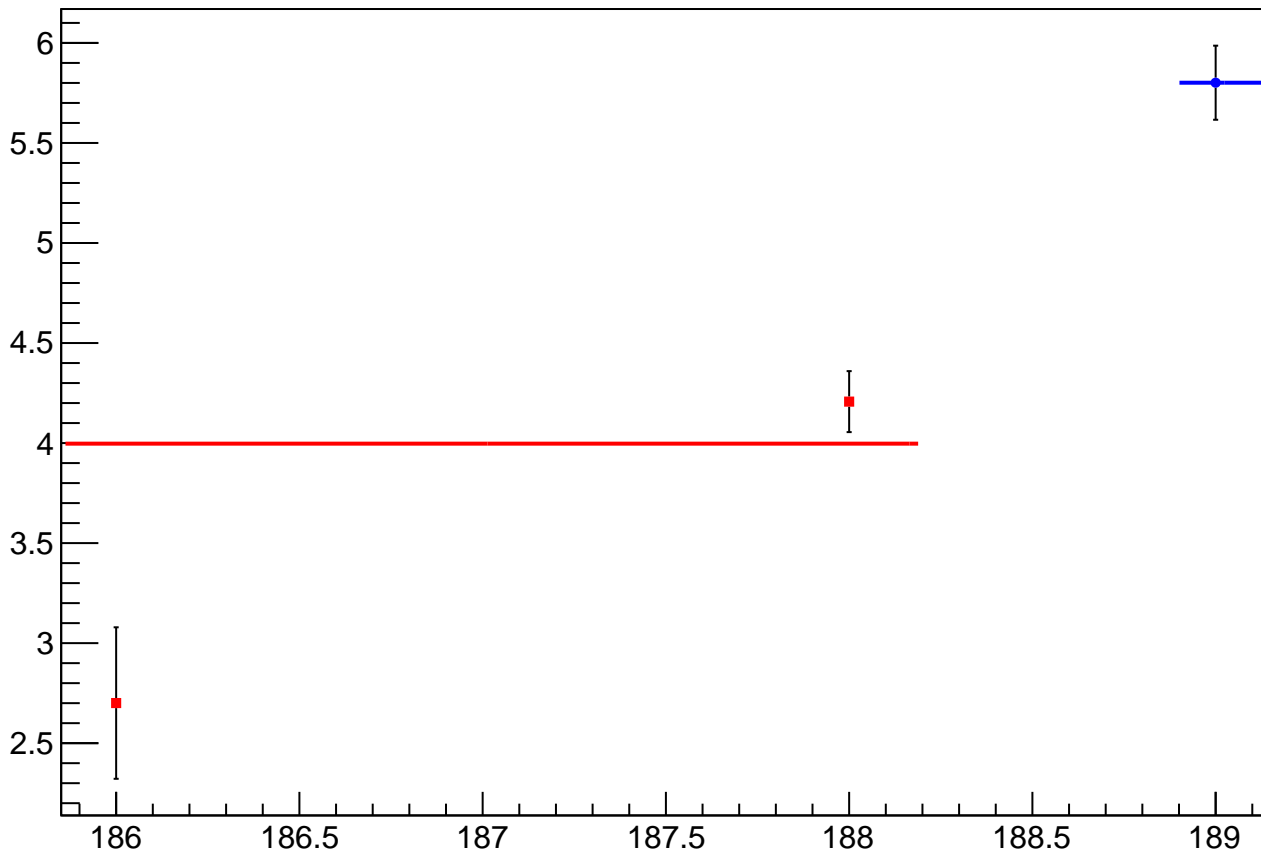
Right:  $-51.528 \pm 0.118$   $\chi^2/\text{NDF}: 10.6/2$

In:  $-52.029 \pm 0.217$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-51.528 \pm 0.118$   $\chi^2/\text{NDF}: 10.6/2$

# dit\_sam1\_4eY\_slope vs Slug, Sign Corrected



Right In: 5.801 $\pm$ 0.185  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3.997 $\pm$ 0.141  $\chi^2$ /NDF: 13.6/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

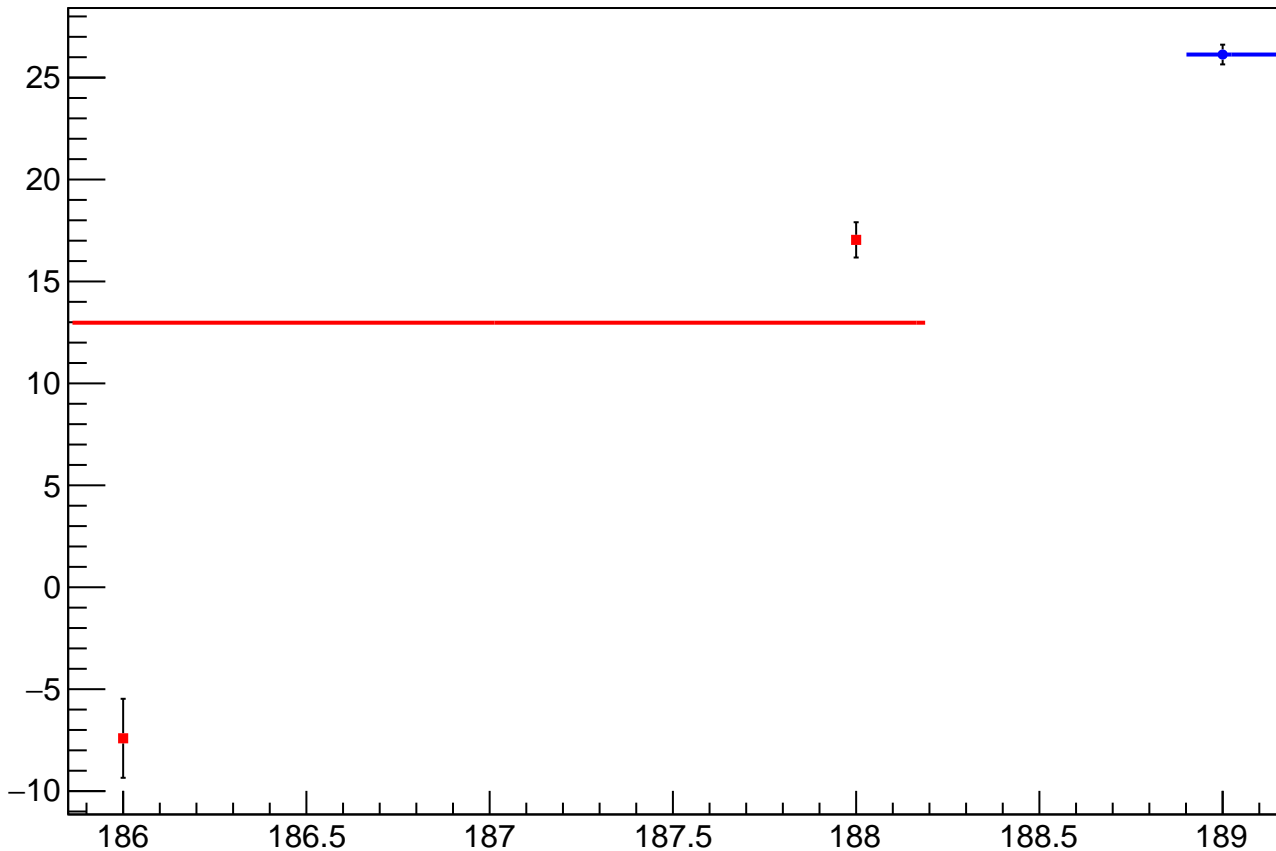
Right: 4.662 $\pm$ 0.112  $\chi^2$ /NDF: 73.6/2

In: 5.801 $\pm$ 0.185  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 4.662 $\pm$ 0.112  $\chi^2$ /NDF: 73.6/2

# dit\_sam2\_4aX\_slope vs Slug, Sign Corrected



Right In: 26.131 $\pm$ 0.484  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 12.977 $\pm$ 0.790  $\chi^2$ /NDF: 132.8/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

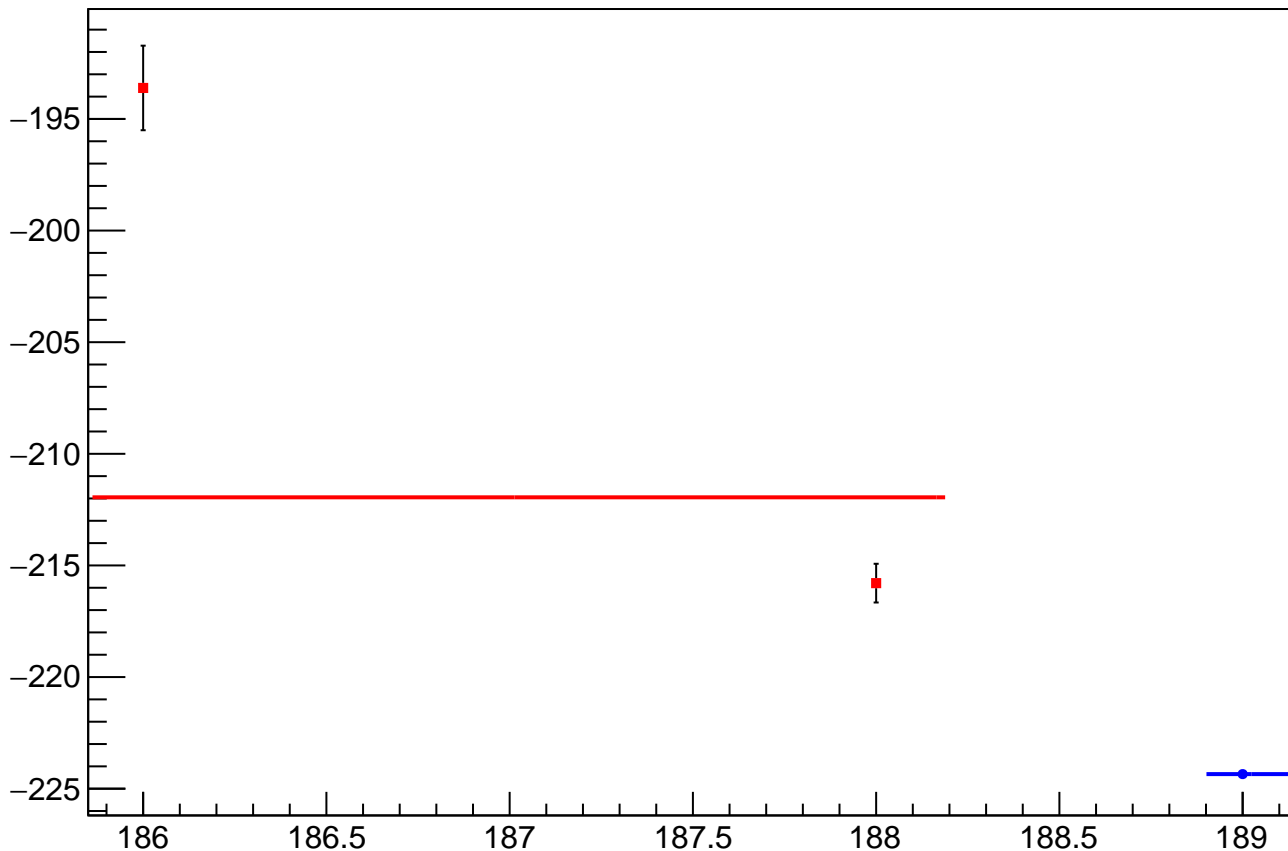
Right: 22.541 $\pm$ 0.413  $\chi^2$ /NDF: 334.4/2

In: 26.131 $\pm$ 0.484  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 22.541 $\pm$ 0.413  $\chi^2$ /NDF: 334.4/2

# dit\_sam2\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-224.347 \pm 0.210$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-211.949 \pm 0.788$   $\chi^2/\text{NDF}: 113.4/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

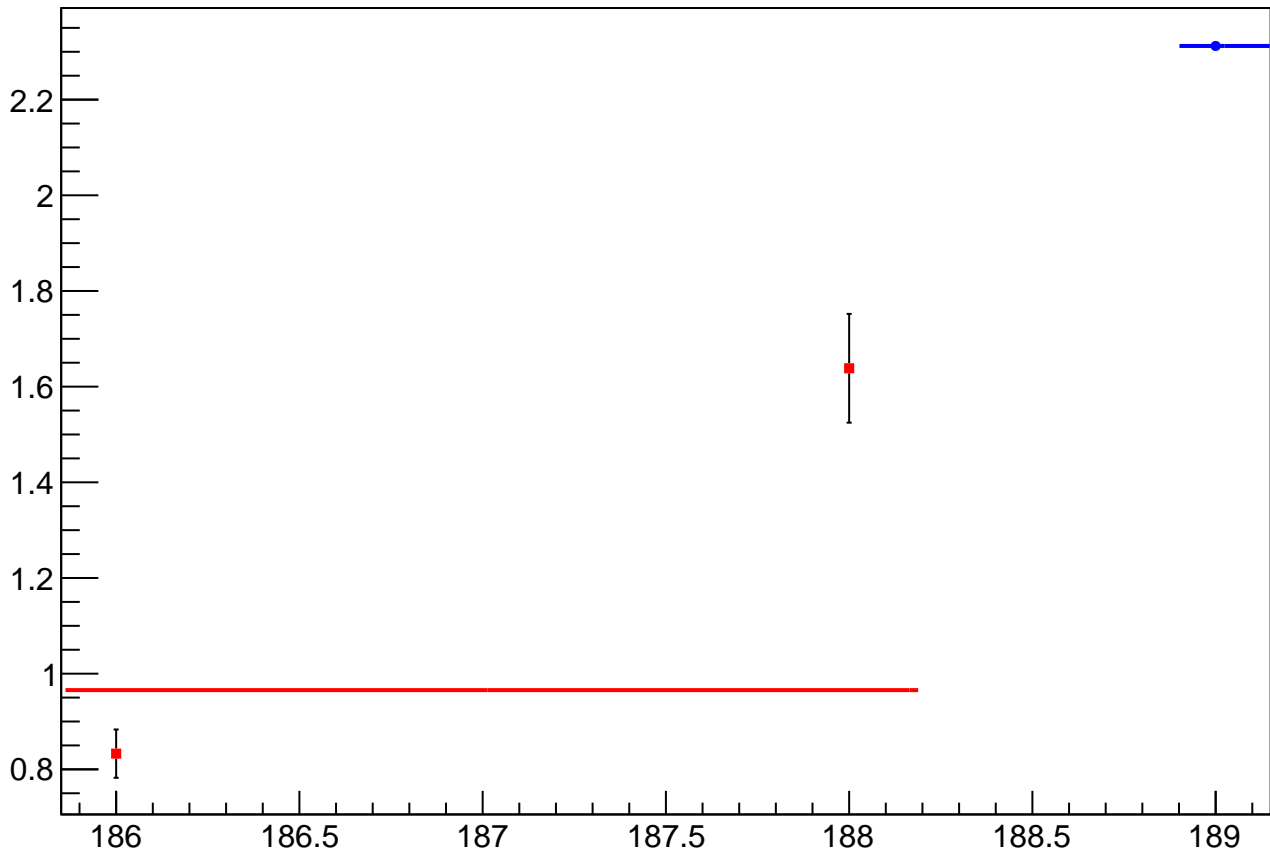
Right:  $-223.522 \pm 0.203$   $\chi^2/\text{NDF}: 344.3/2$

In:  $-224.347 \pm 0.210$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-223.522 \pm 0.203$   $\chi^2/\text{NDF}: 344.3/2$

# dit\_sam2\_11X12X\_slope vs Slug, Sign Corrected



Right In: 2.312 $\pm$ 0.003  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.966 $\pm$ 0.046  $\chi^2$ /NDF: 41.9/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

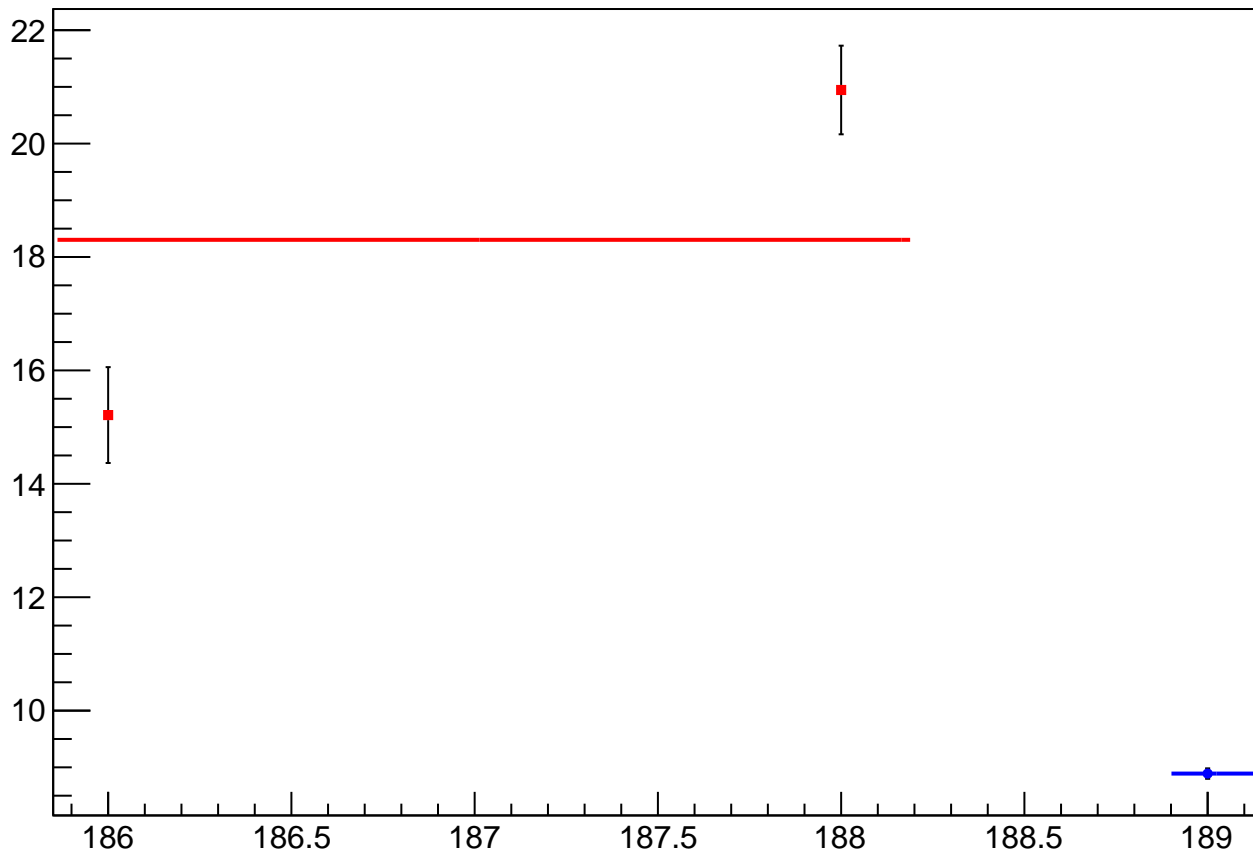
Right: 2.308 $\pm$ 0.003  $\chi^2$ /NDF: 889.9/2

In: 2.312 $\pm$ 0.003  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.308 $\pm$ 0.003  $\chi^2$ /NDF: 889.9/2

# dit\_sam2\_4aY\_slope vs Slug, Sign Corrected



Right In: 8.890 $\pm$ 0.092  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 18.303 $\pm$ 0.574  $\chi^2$ /NDF: 24.8/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

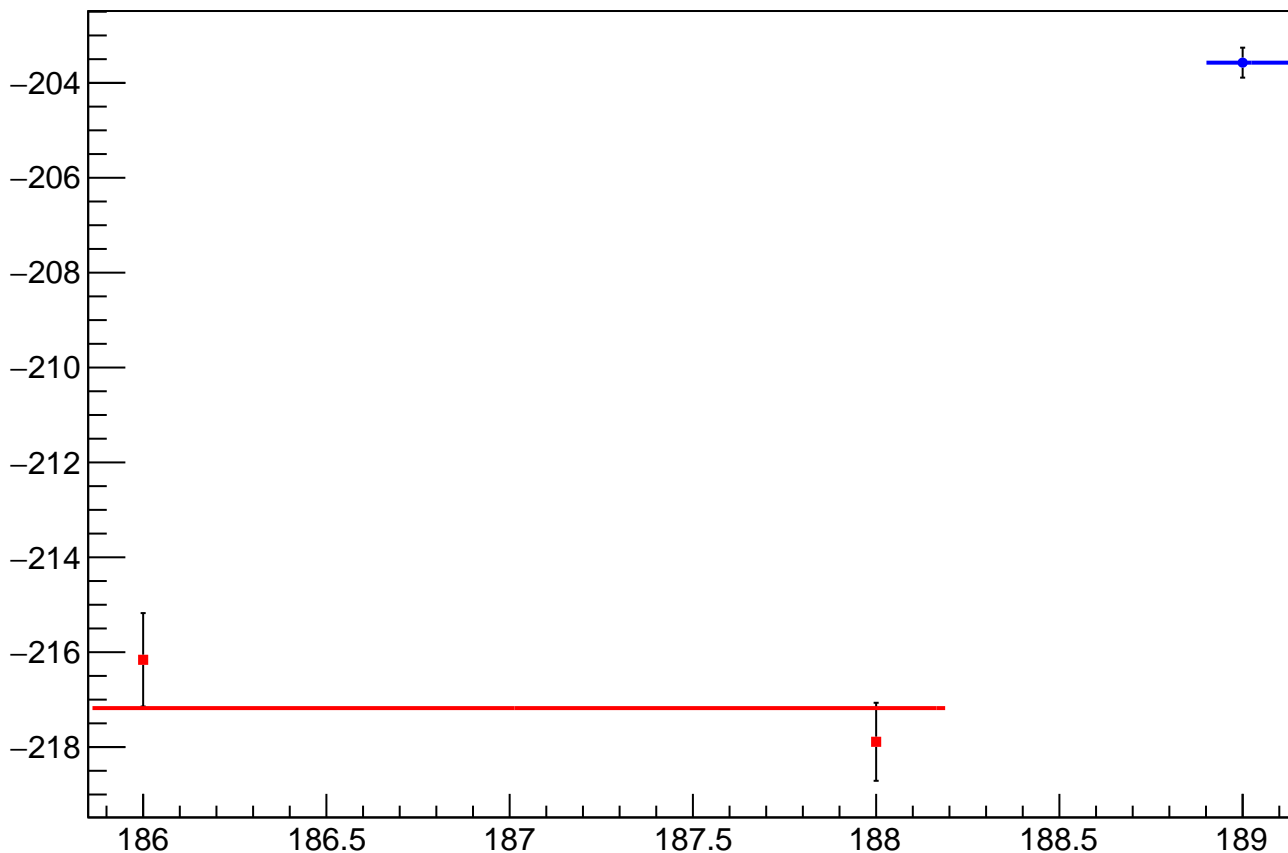
Right: 9.126 $\pm$ 0.091  $\chi^2$ /NDF: 287.1/2

In: 8.890 $\pm$ 0.092  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 9.126 $\pm$ 0.091  $\chi^2$ /NDF: 287.1/2

# dit\_sam2\_4eY\_slope vs Slug, Sign Corrected



Right In: -203.573+/-0.316  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -217.179+/-0.631  $\chi^2$ /NDF: 1.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -206.299+/-0.283  $\chi^2$ /NDF: 373.4/2

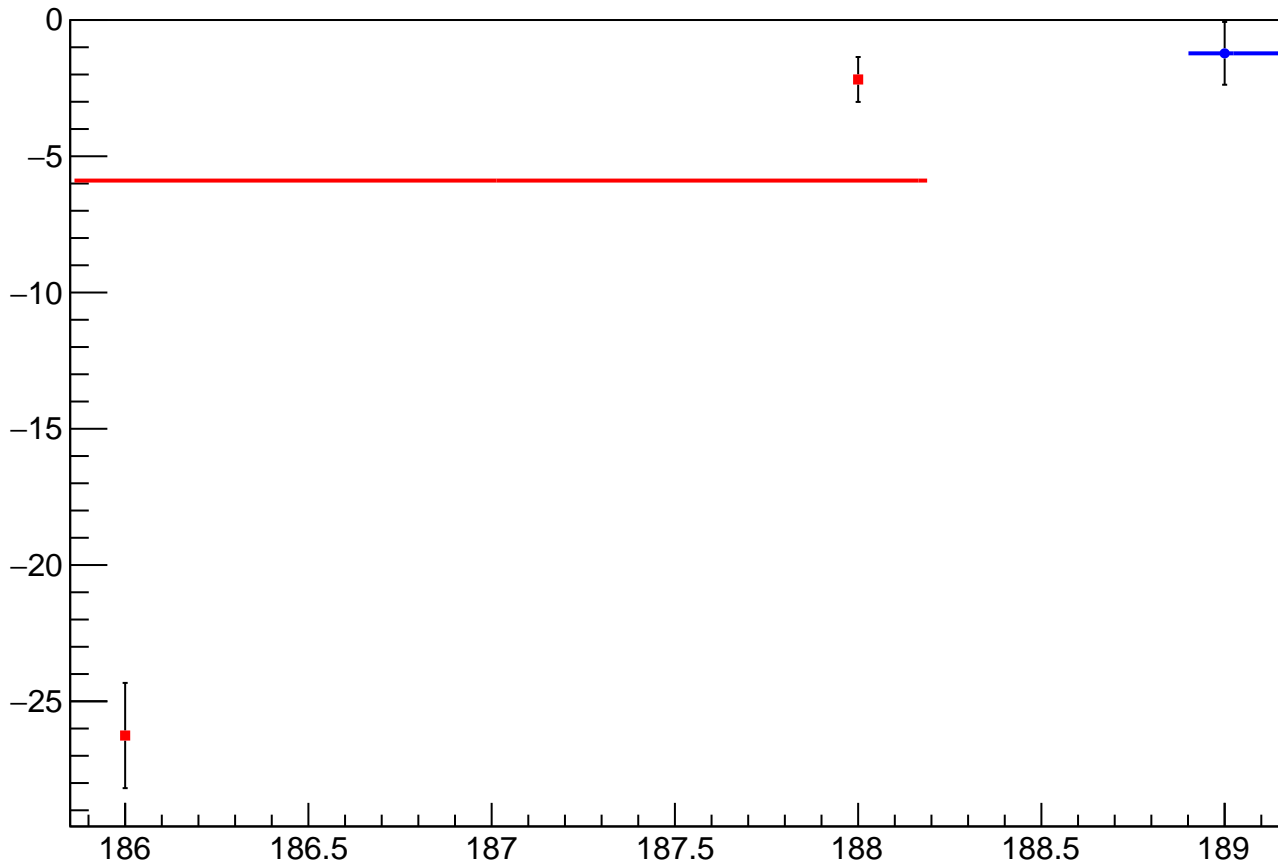
In: -203.573+/-0.316  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -206.299+/-0.283  $\chi^2$ /NDF: 373.4/2



# dit\_sam3\_4aX\_slope vs Slug, Sign Corrected



Right In: -1.223+/-1.152  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5.892+/-0.758  $\chi^2$ /NDF: 131.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

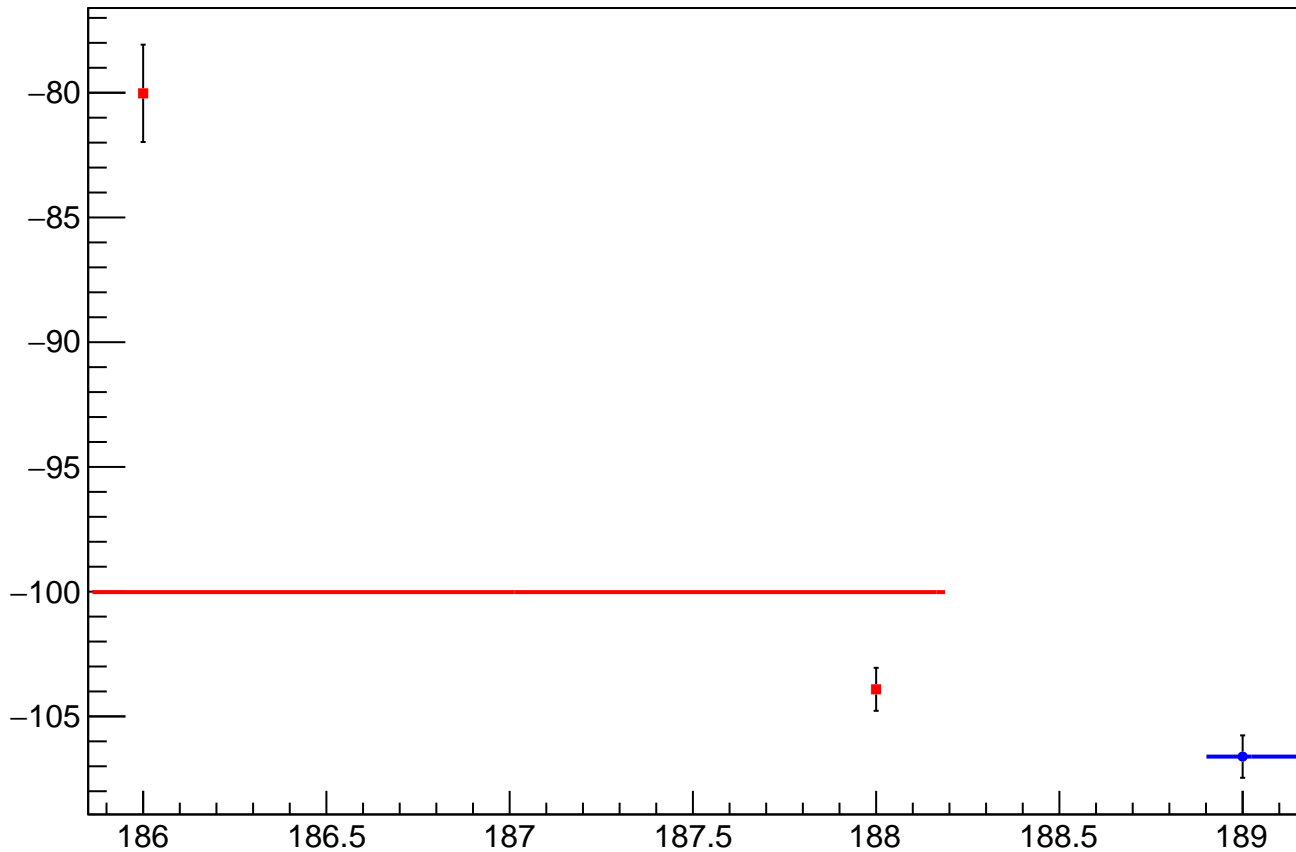
Right: -4.481+/-0.633  $\chi^2$ /NDF: 143.0/2

In: -1.223+/-1.152  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -4.481+/-0.633  $\chi^2$ /NDF: 143.0/2

# dit\_sam3\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-106.611 \pm 0.850$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-100.018 \pm 0.788$   $\chi^2/\text{NDF}: 125.5/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

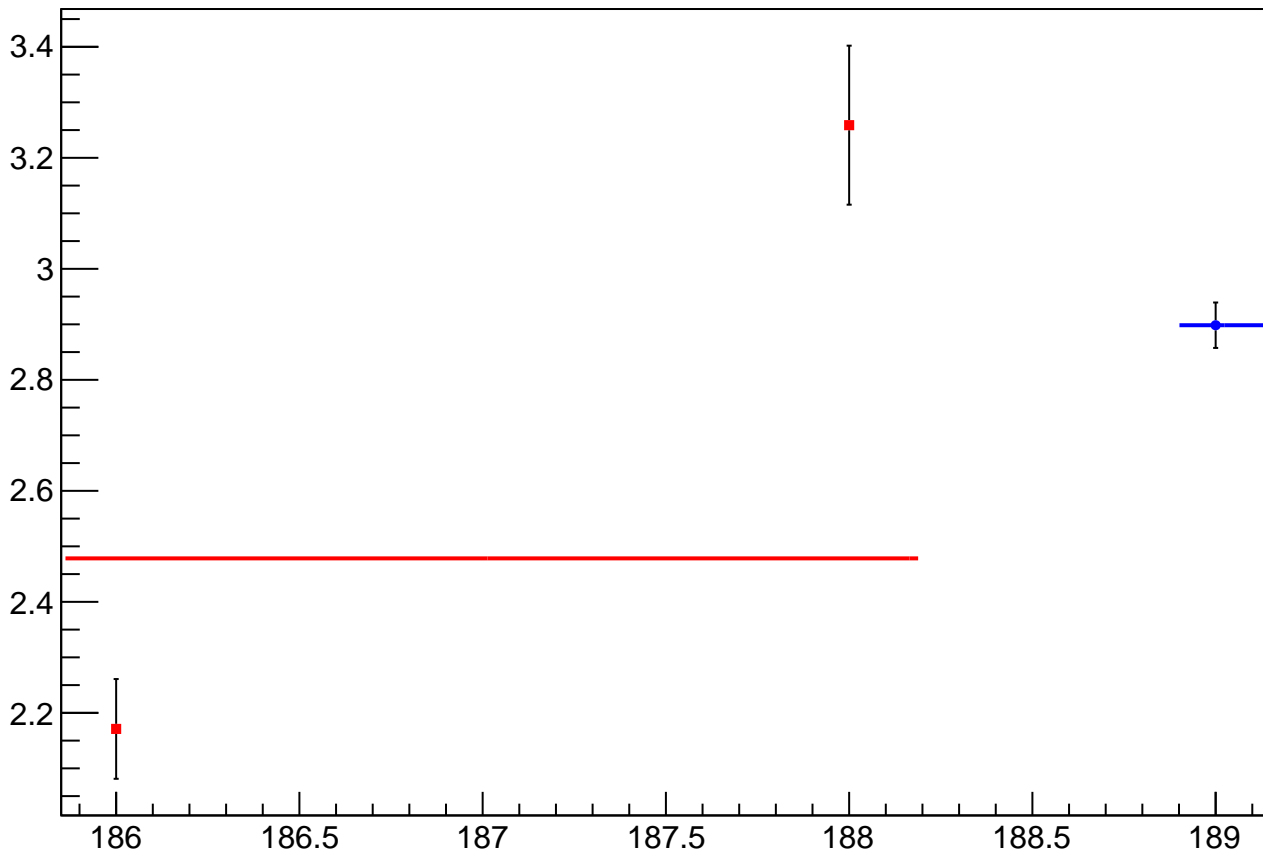
Right:  $-103.066 \pm 0.578$   $\chi^2/\text{NDF}: 157.8/2$

In:  $-106.611 \pm 0.850$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-103.066 \pm 0.578$   $\chi^2/\text{NDF}: 157.8/2$

# dit\_sam3\_11X12X\_slope vs Slug, Sign Corrected



Right In: 2.898 $\pm$ 0.041  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.478 $\pm$ 0.076  $\chi^2$ /NDF: 41.4/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

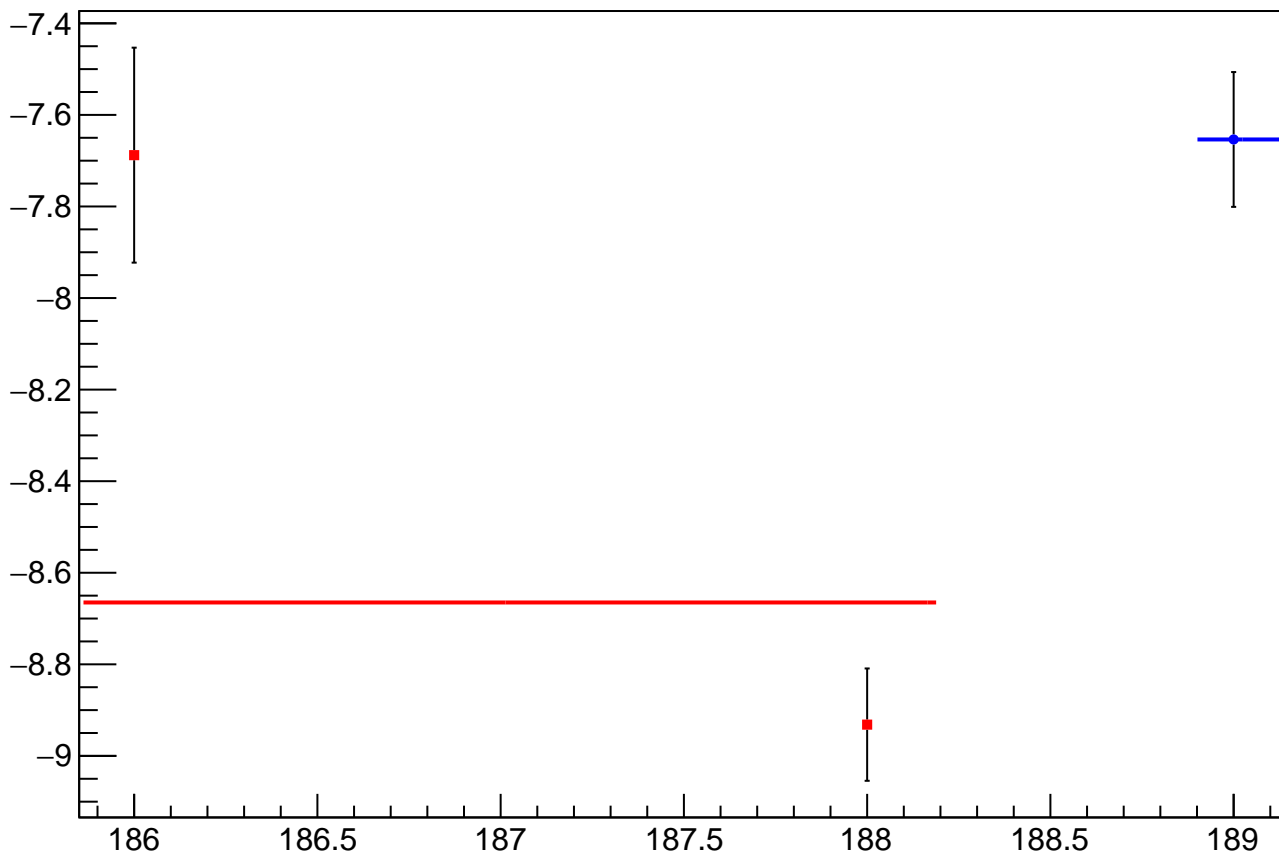
Right: 2.804 $\pm$ 0.036  $\chi^2$ /NDF: 65.0/2

In: 2.898 $\pm$ 0.041  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.804 $\pm$ 0.036  $\chi^2$ /NDF: 65.0/2

# dit\_sam3\_4aY\_slope vs Slug, Sign Corrected



Right In: -7.654+/-0.147  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -8.665+/-0.109  $\chi^2$ /NDF: 22.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

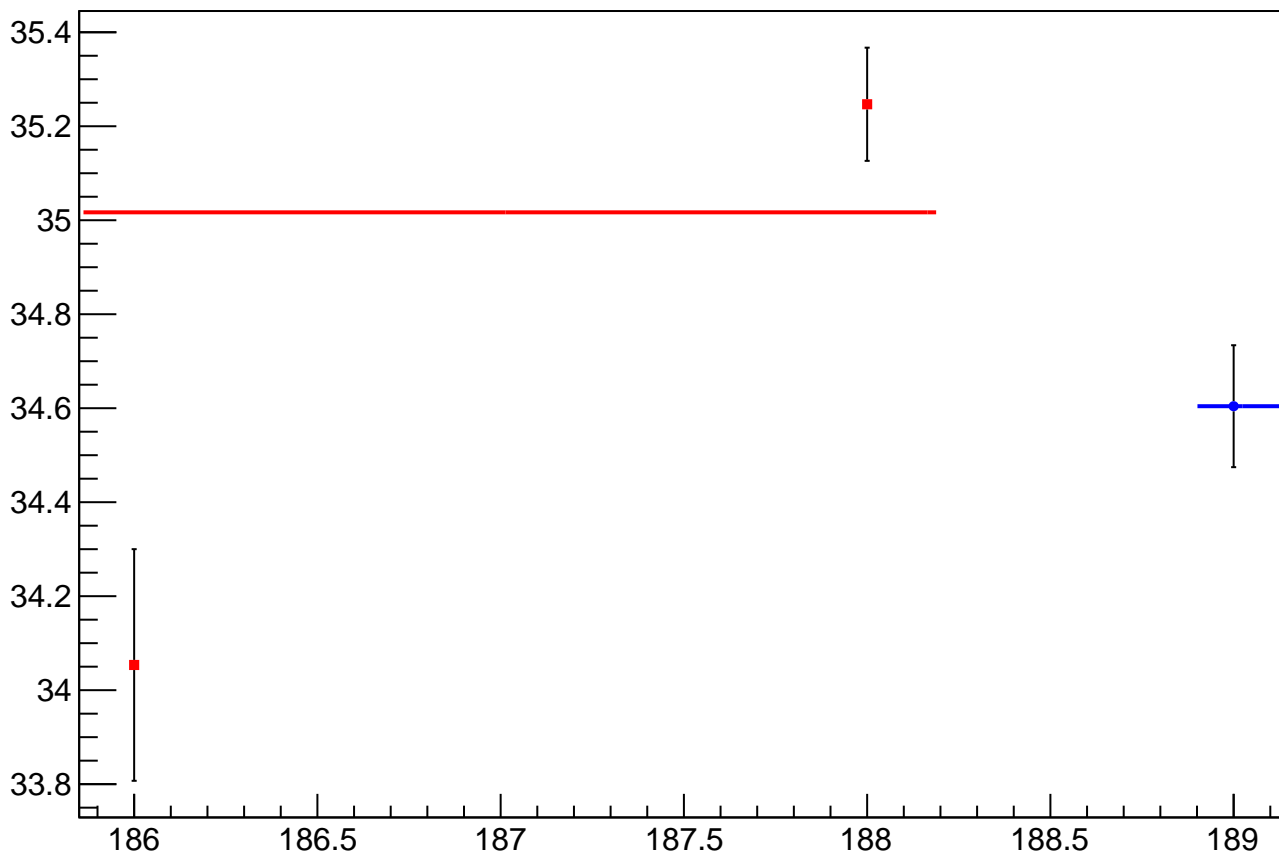
Right: -8.308+/-0.087  $\chi^2$ /NDF: 52.6/2

In: -7.654+/-0.147  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -8.308+/-0.087  $\chi^2$ /NDF: 52.6/2

# dit\_sam3\_4eY\_slope vs Slug, Sign Corrected



Right In: 34.604 $\pm$ 0.130  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 35.017 $\pm$ 0.108  $\chi^2$ /NDF: 18.9/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

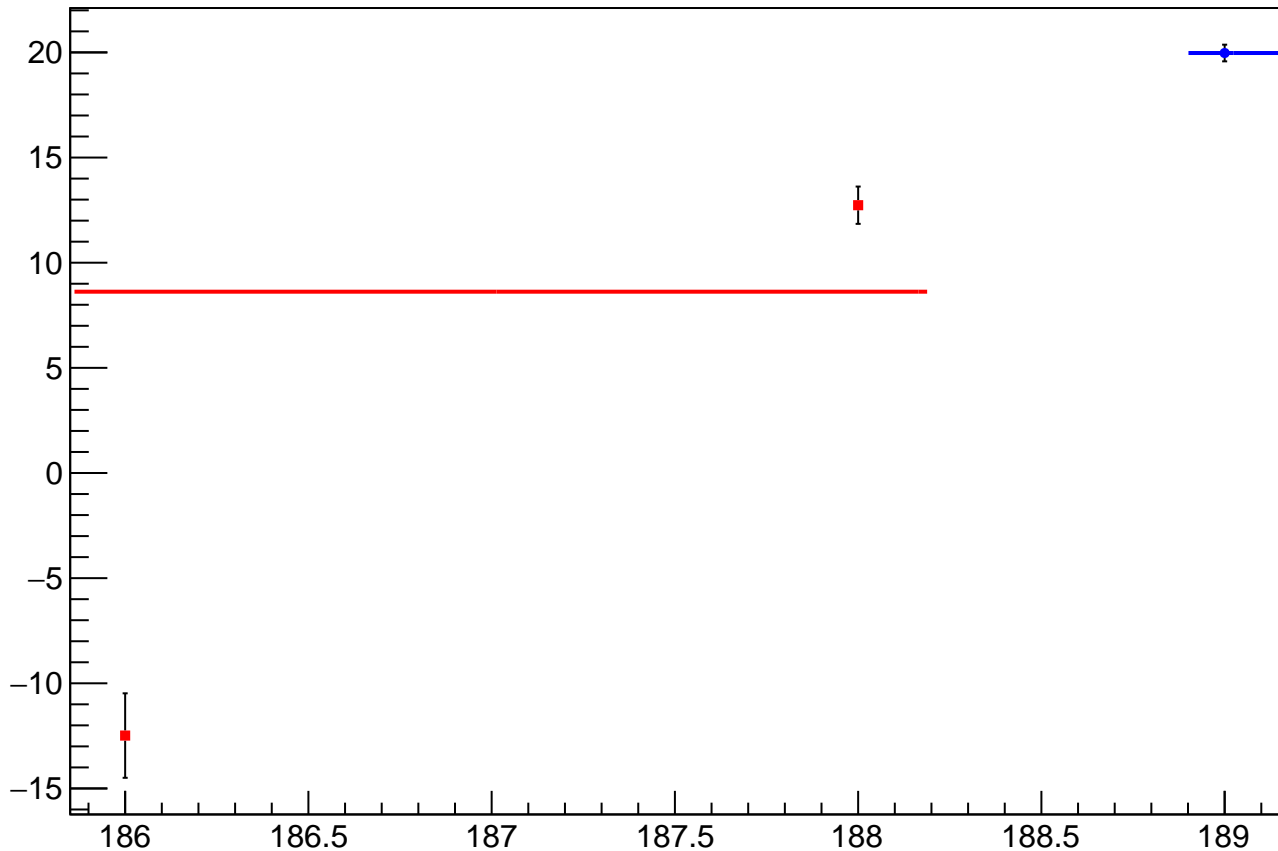
Right: 34.848 $\pm$ 0.083  $\chi^2$ /NDF: 24.9/2

In: 34.604 $\pm$ 0.130  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 34.848 $\pm$ 0.083  $\chi^2$ /NDF: 24.9/2

# dit\_sam4\_4aX\_slope vs Slug, Sign Corrected



Right In: 19.971 $\pm$ 0.397  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.622 $\pm$ 0.811  $\chi^2$ /NDF: 131.9/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

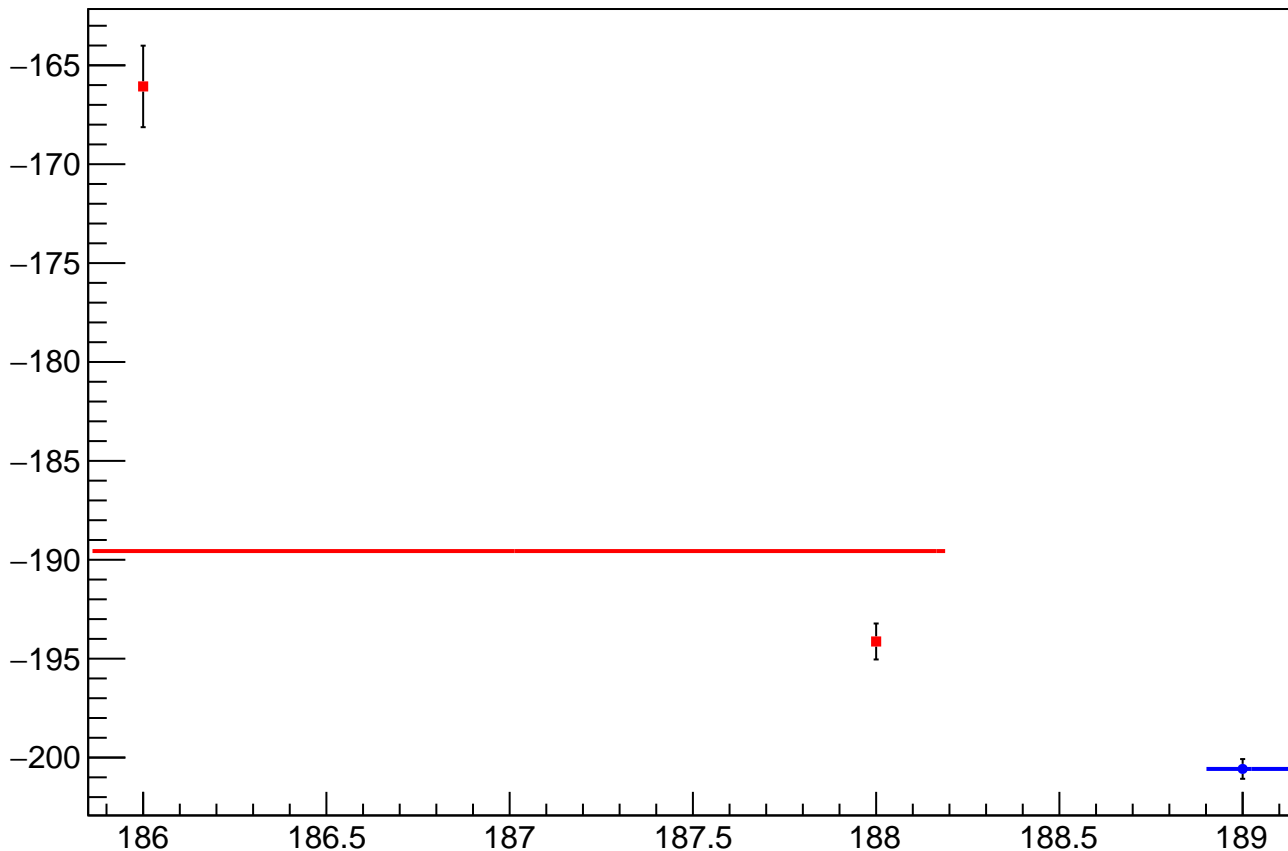
Right: 17.782 $\pm$ 0.356  $\chi^2$ /NDF: 290.0/2

In: 19.971 $\pm$ 0.397  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 17.782 $\pm$ 0.356  $\chi^2$ /NDF: 290.0/2

# dit\_sam4\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-200.575 \pm 0.499$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-189.560 \pm 0.832$   $\chi^2/\text{NDF}: 155.3/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

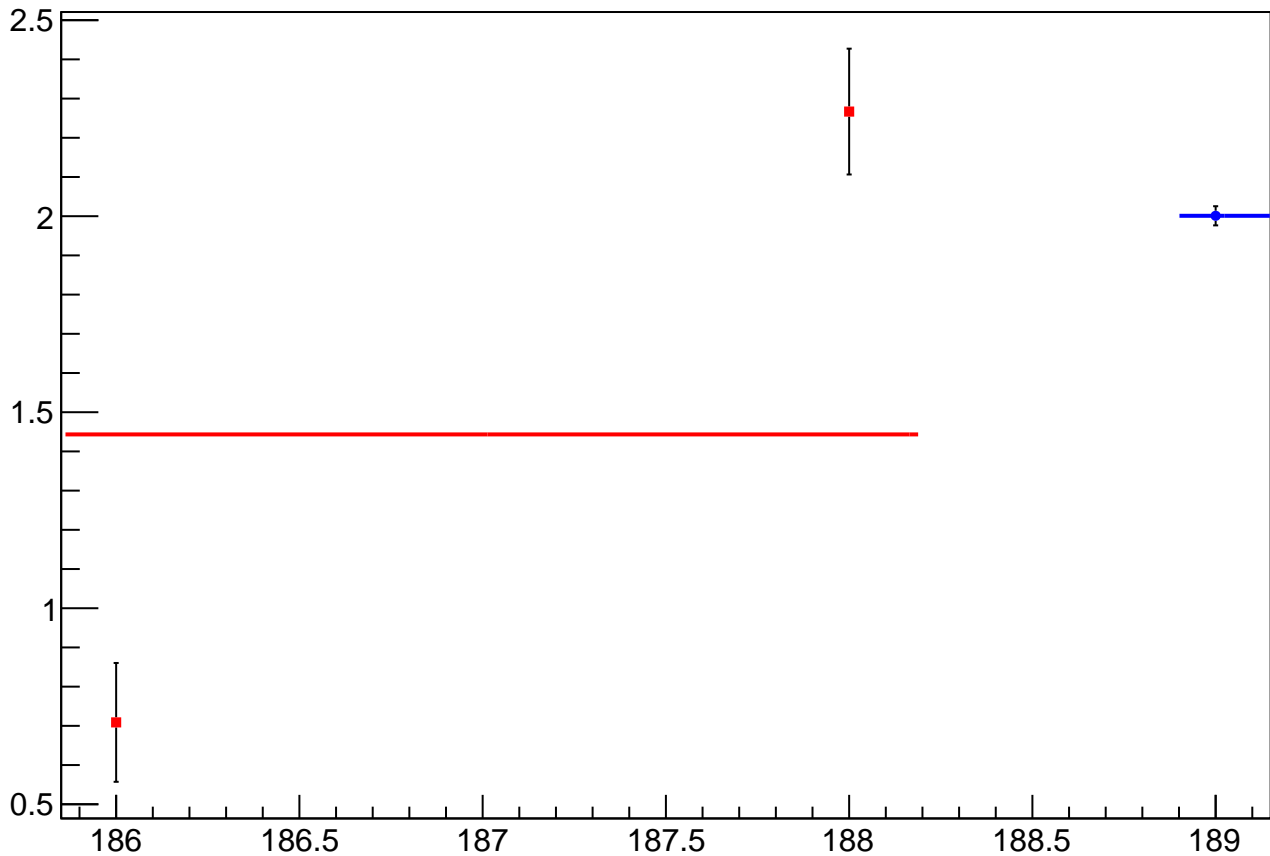
Right:  $-197.661 \pm 0.428$   $\chi^2/\text{NDF}: 284.3/2$

In:  $-200.575 \pm 0.499$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-197.661 \pm 0.428$   $\chi^2/\text{NDF}: 284.3/2$

# dit\_sam4\_11X12X\_slope vs Slug, Sign Corrected



Right In: 2.001 $\pm$ 0.024  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.443 $\pm$ 0.110  $\chi^2$ /NDF: 49.8/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 1.975 $\pm$ 0.024  $\chi^2$ /NDF: 74.2/2

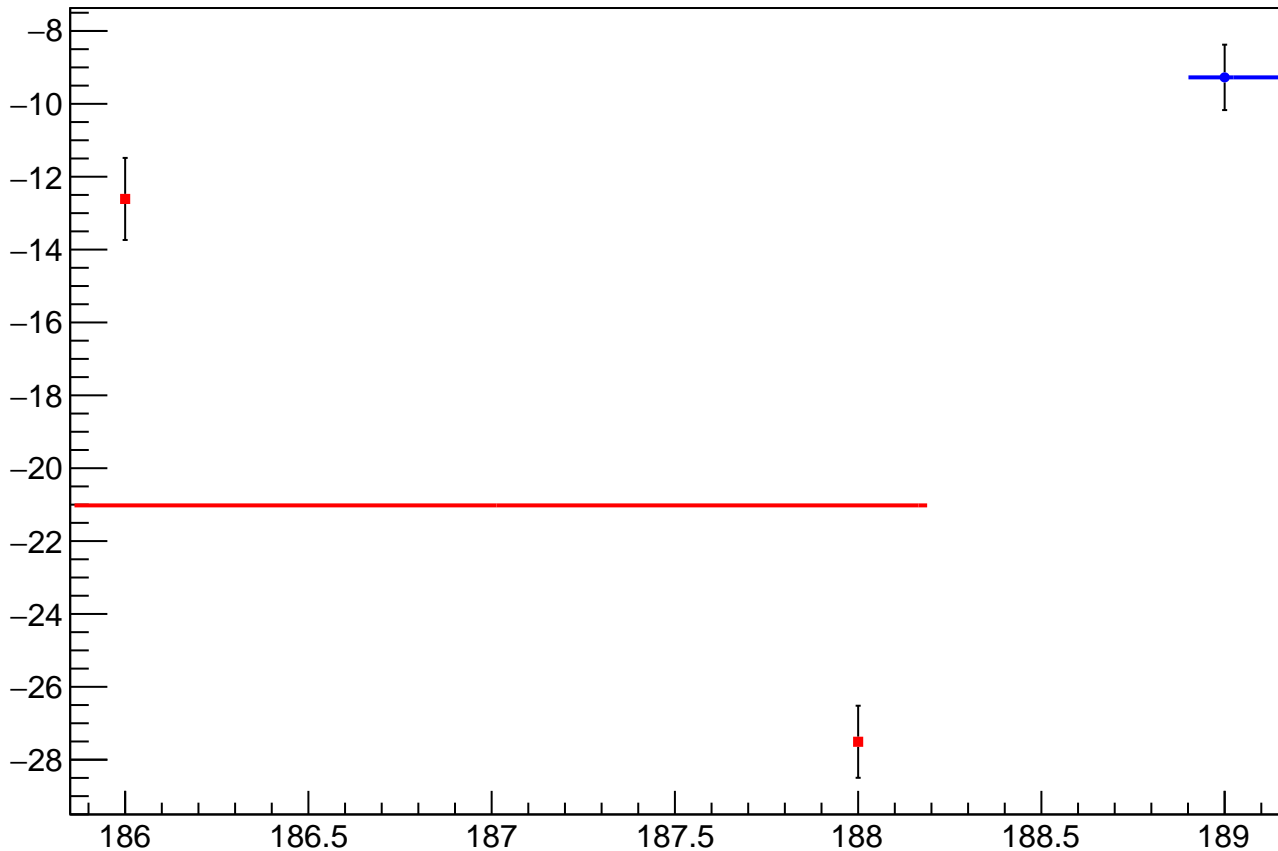
In: 2.001 $\pm$ 0.024  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.975 $\pm$ 0.024  $\chi^2$ /NDF: 74.2/2



# dit\_sam4\_4aY\_slope vs Slug, Sign Corrected



Right In: -9.274+/-0.898  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -21.021+/-0.743  $\chi^2$ /NDF: 98.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

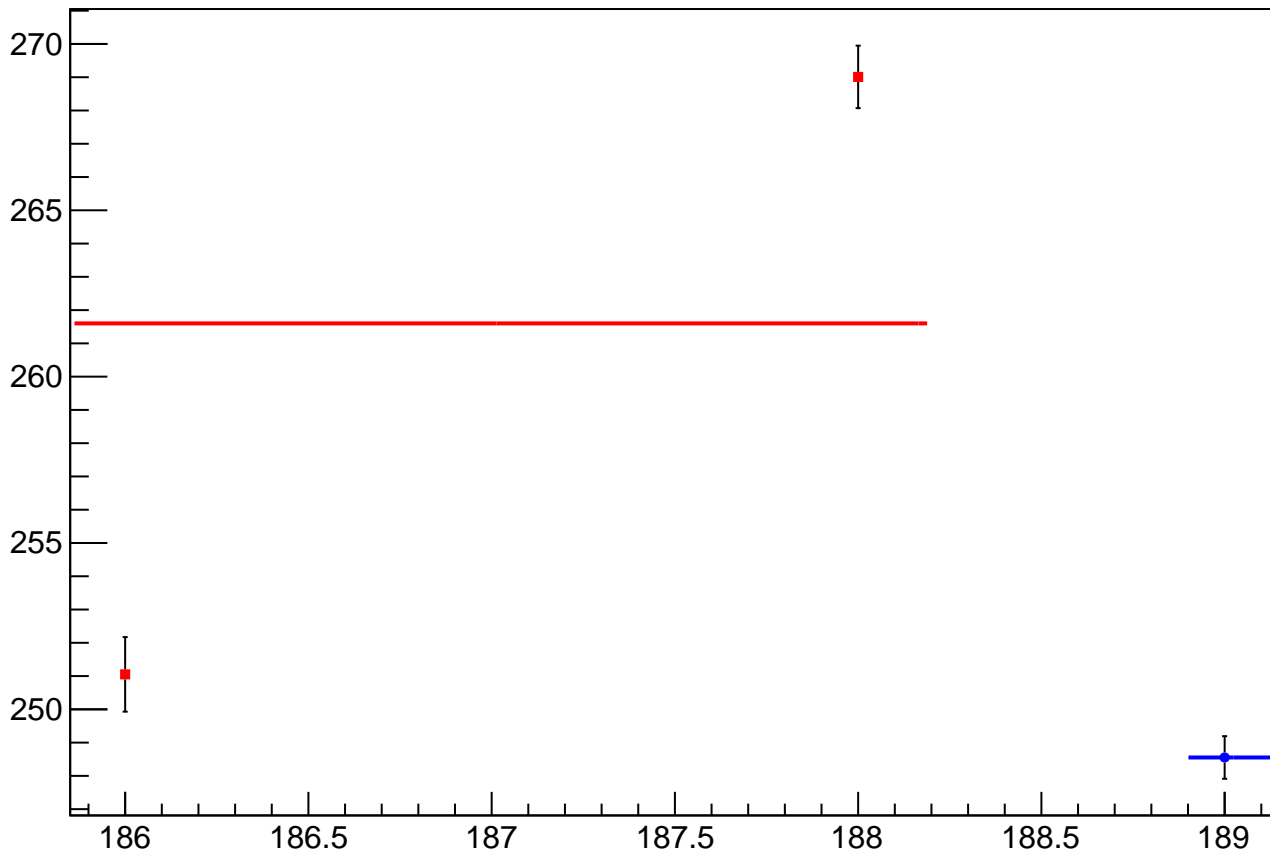
Right: -16.243+/-0.572  $\chi^2$ /NDF: 200.4/2

In: -9.274+/-0.898  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -16.243+/-0.572  $\chi^2$ /NDF: 200.4/2

# dit\_sam4\_4eY\_slope vs Slug, Sign Corrected



Right In: 248.553 $\pm$ 0.641  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 261.601 $\pm$ 0.720  $\chi^2$ /NDF: 150.8/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

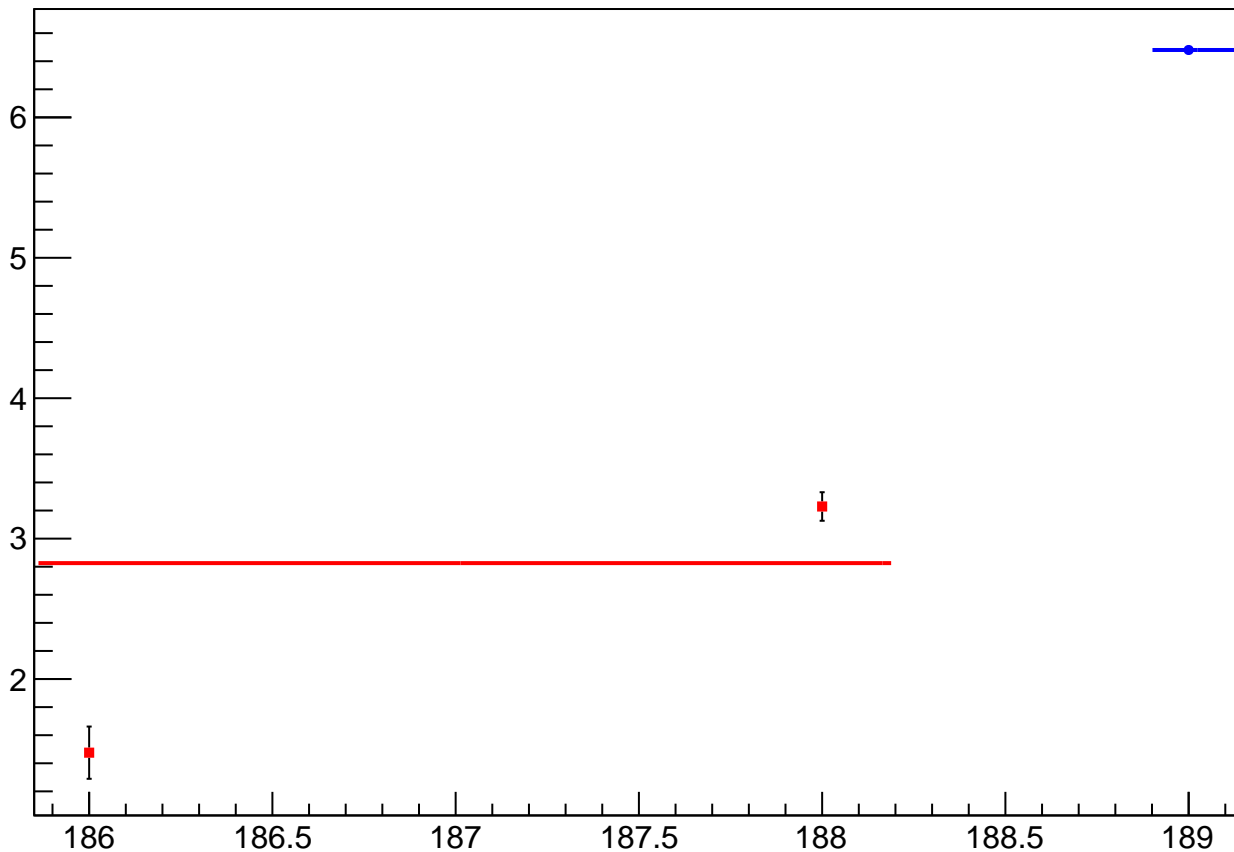
Right: 254.321 $\pm$ 0.479  $\chi^2$ /NDF: 334.1/2

In: 248.553 $\pm$ 0.641  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 254.321 $\pm$ 0.479  $\chi^2$ /NDF: 334.1/2

# dit\_sam5\_4aX\_slope vs Slug, Sign Corrected



Right In: 6.480 $\pm$ 0.031  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.826 $\pm$ 0.089  $\chi^2$ /NDF: 68.4/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

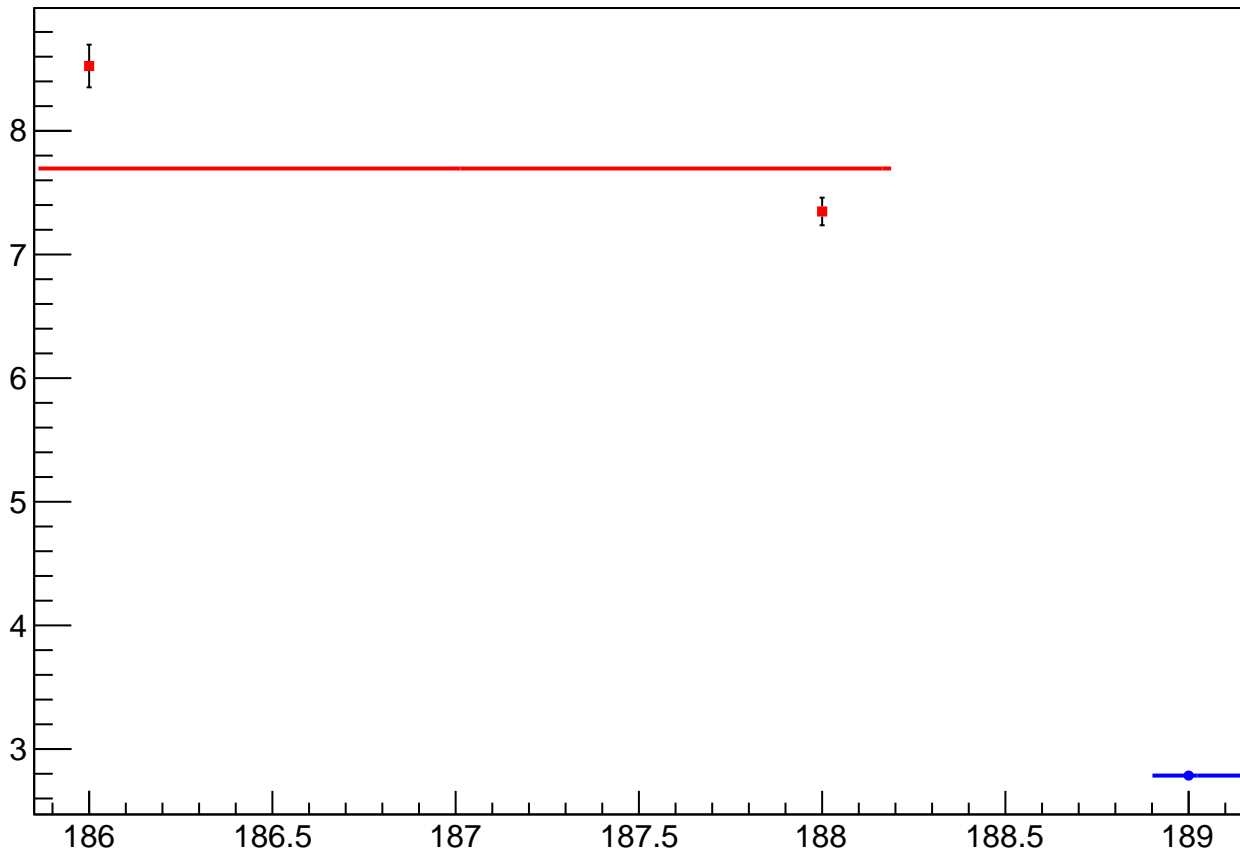
Right: 6.092 $\pm$ 0.029  $\chi^2$ /NDF: 1567.8/2

In: 6.480 $\pm$ 0.031  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 6.092 $\pm$ 0.029  $\chi^2$ /NDF: 1567.8/2

# dit\_sam5\_4eX\_slope vs Slug, Sign Corrected



Right In: 2.785+/-0.018  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 7.696+/-0.094  $\chi^2$ /NDF: 32.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

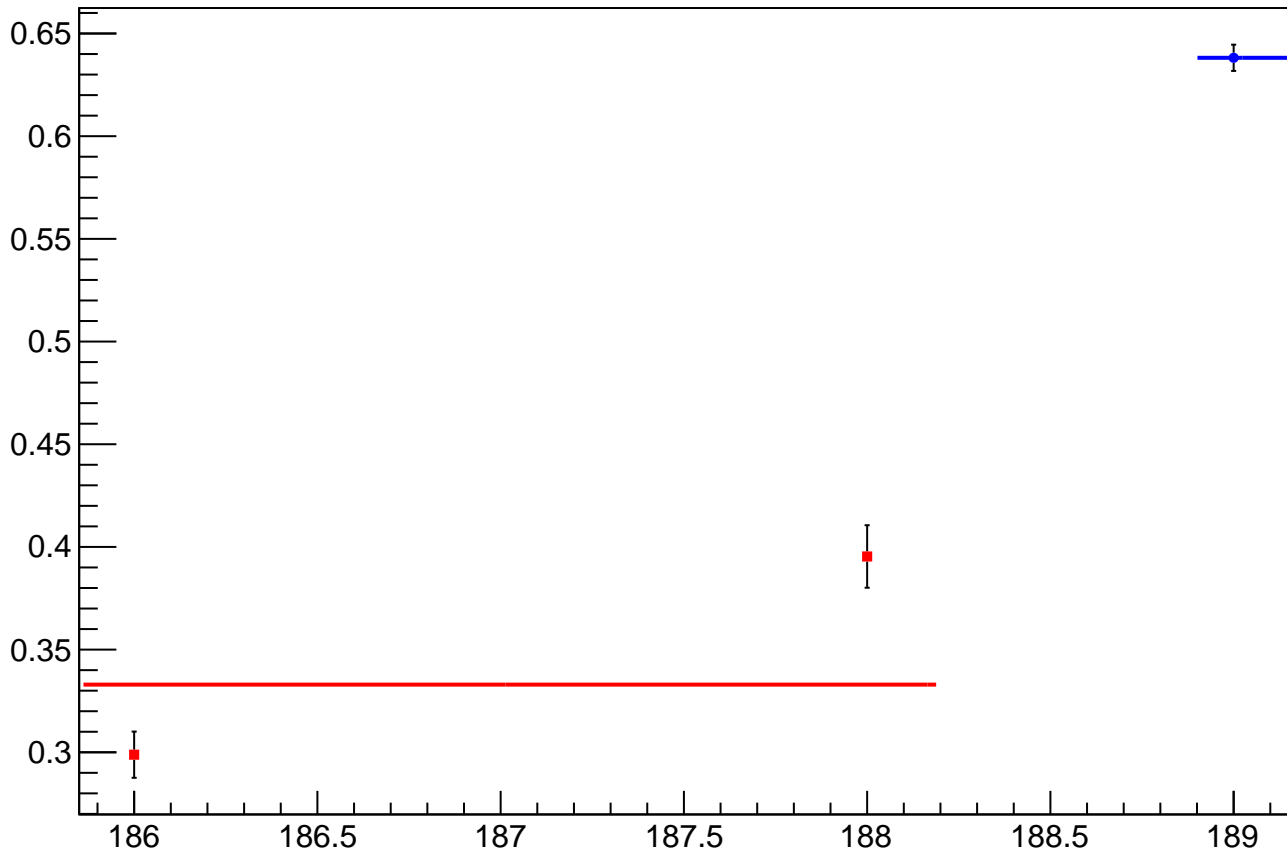
Right: 2.960+/-0.018  $\chi^2$ /NDF: 2679.3/2

In: 2.785+/-0.018  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2.960+/-0.018  $\chi^2$ /NDF: 2679.3/2

# dit\_sam5\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.638 $\pm$ 0.006  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.333 $\pm$ 0.009  $\chi^2$ /NDF: 26.0/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

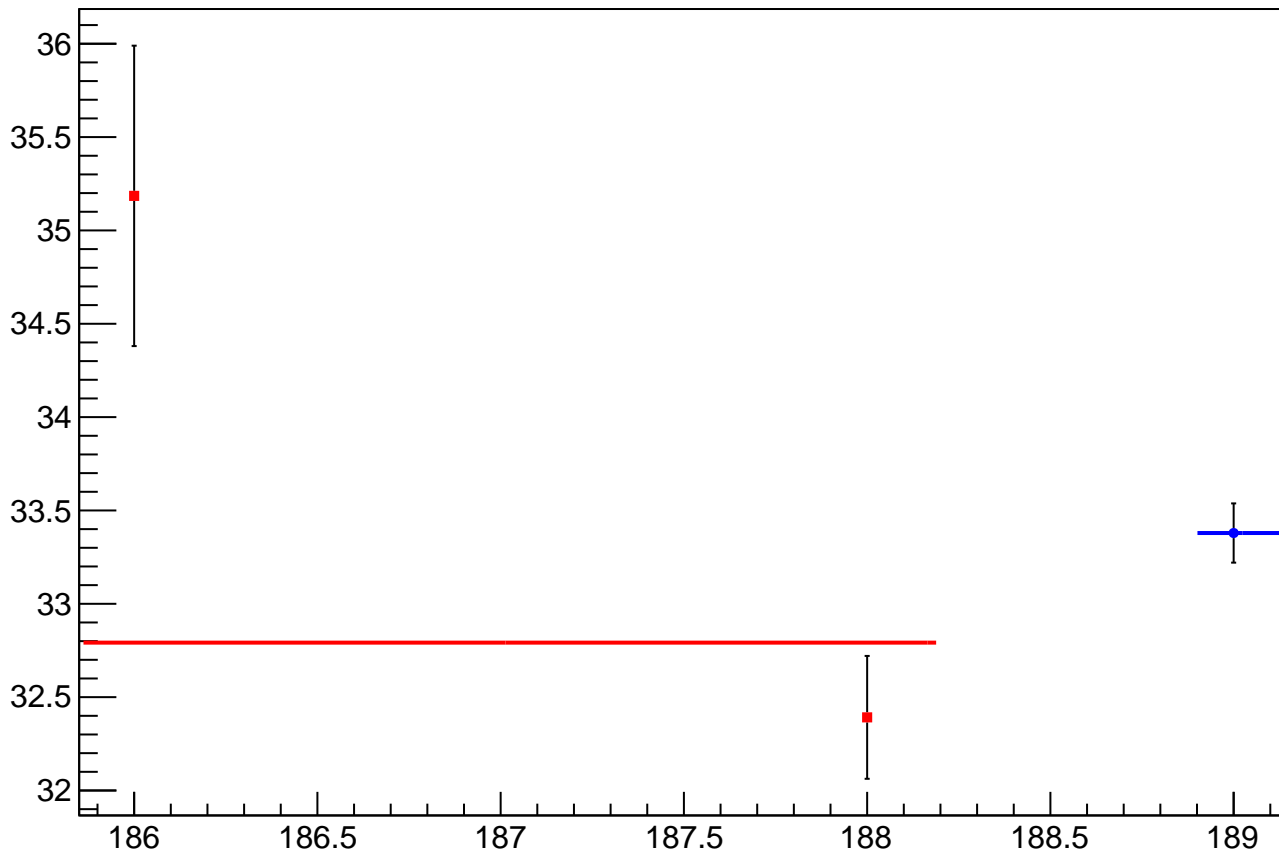
Right: 0.537 $\pm$ 0.005  $\chi^2$ /NDF: 784.9/2

In: 0.638 $\pm$ 0.006  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.537 $\pm$ 0.005  $\chi^2$ /NDF: 784.9/2

# dit\_sam5\_4aY\_slope vs Slug, Sign Corrected



Right In: 33.379 $\pm$ 0.159  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 32.792 $\pm$ 0.305  $\chi^2$ /NDF: 10.3/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

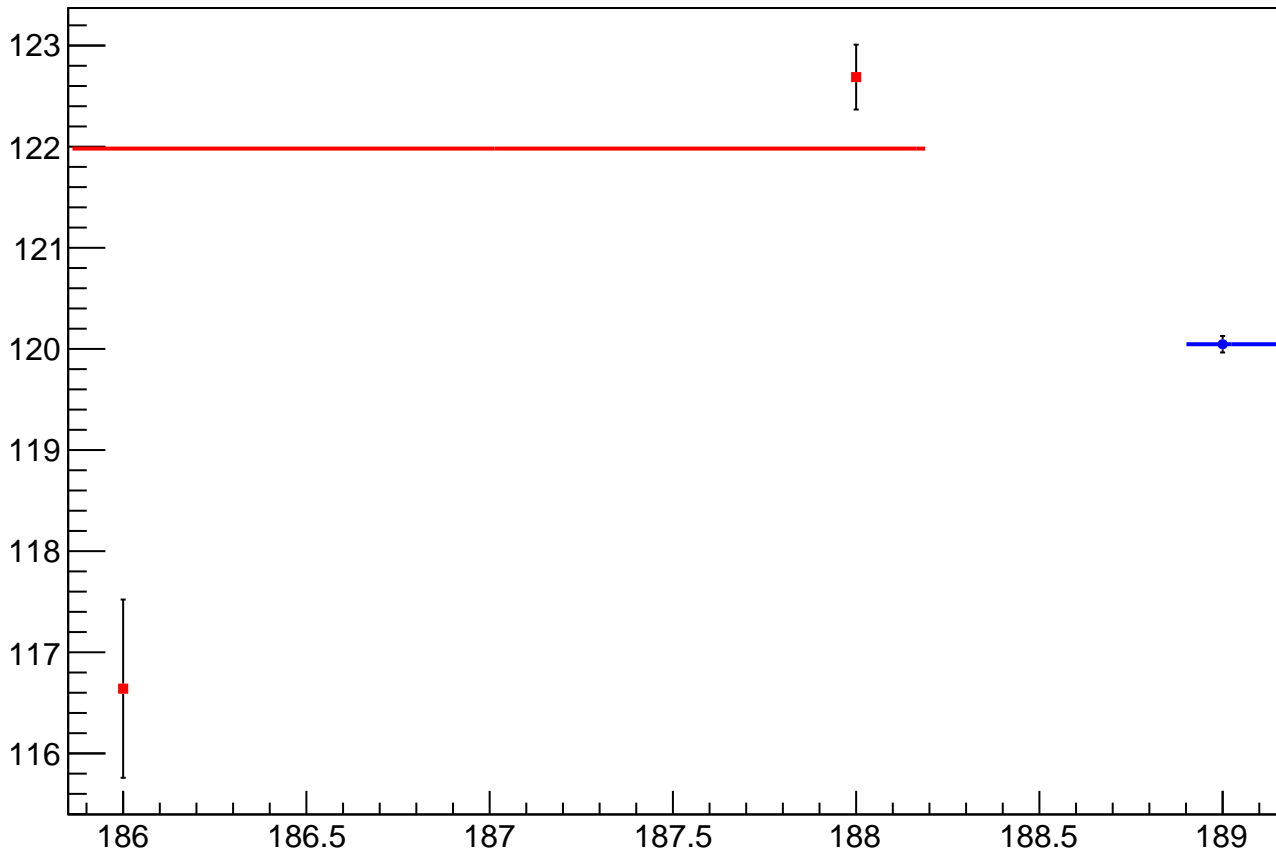
Right: 33.254 $\pm$ 0.141  $\chi^2$ /NDF: 13.2/2

In: 33.379 $\pm$ 0.159  $\chi^2$ /NDF: 0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 33.254 $\pm$ 0.141  $\chi^2$ /NDF: 13.2/2

# dit\_sam5\_4eY\_slope vs Slug, Sign Corrected



Right In: 120.046 $\pm$ 0.082  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 121.981 $\pm$ 0.301  $\chi^2$ /NDF: 41.6/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

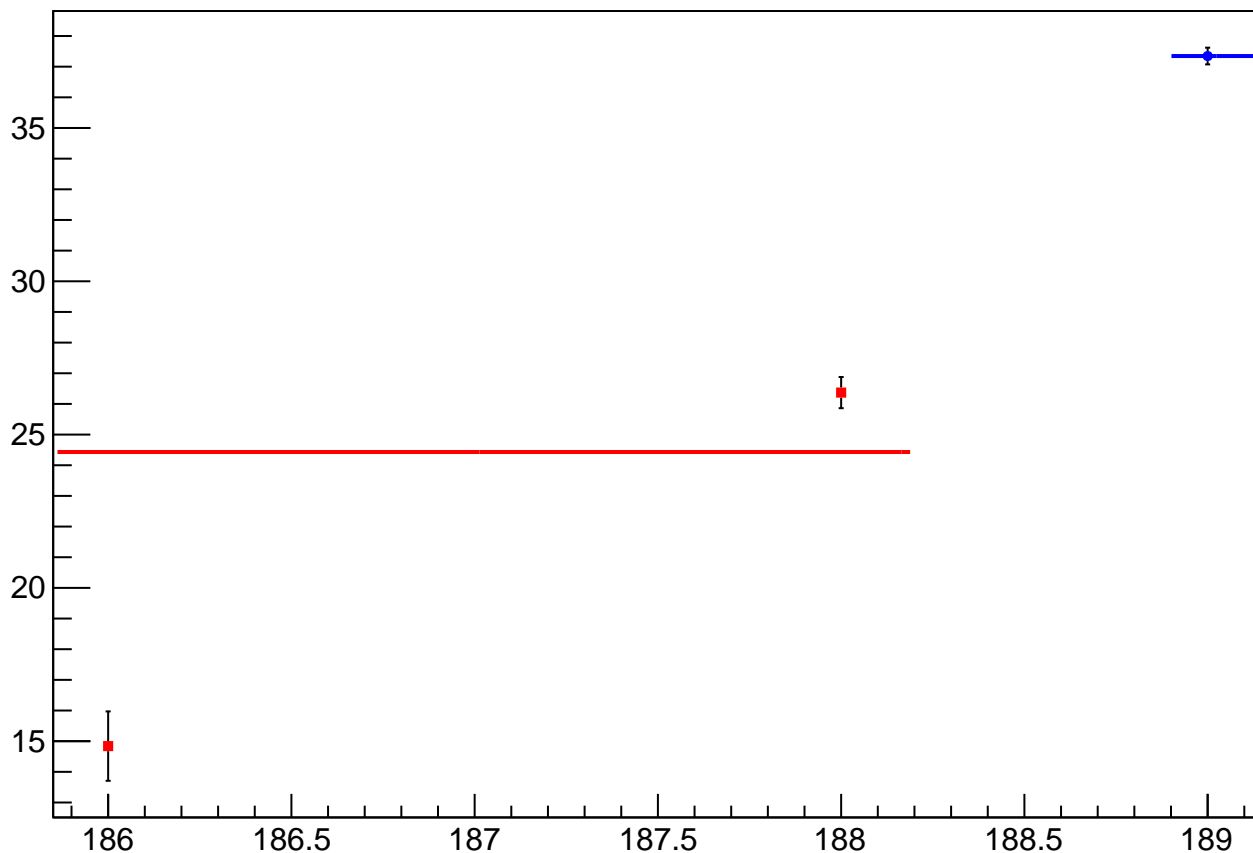
Right: 120.179 $\pm$ 0.079  $\chi^2$ /NDF: 80.0/2

In: 120.046 $\pm$ 0.082  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 120.179 $\pm$ 0.079  $\chi^2$ /NDF: 80.0/2

# dit\_sam6\_4aX\_slope vs Slug, Sign Corrected



Right In: 37.347 $\pm$ 0.273  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 24.432 $\pm$ 0.464  $\chi^2$ /NDF: 86.4/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 34.025 $\pm$ 0.235  $\chi^2$ /NDF: 662.0/2

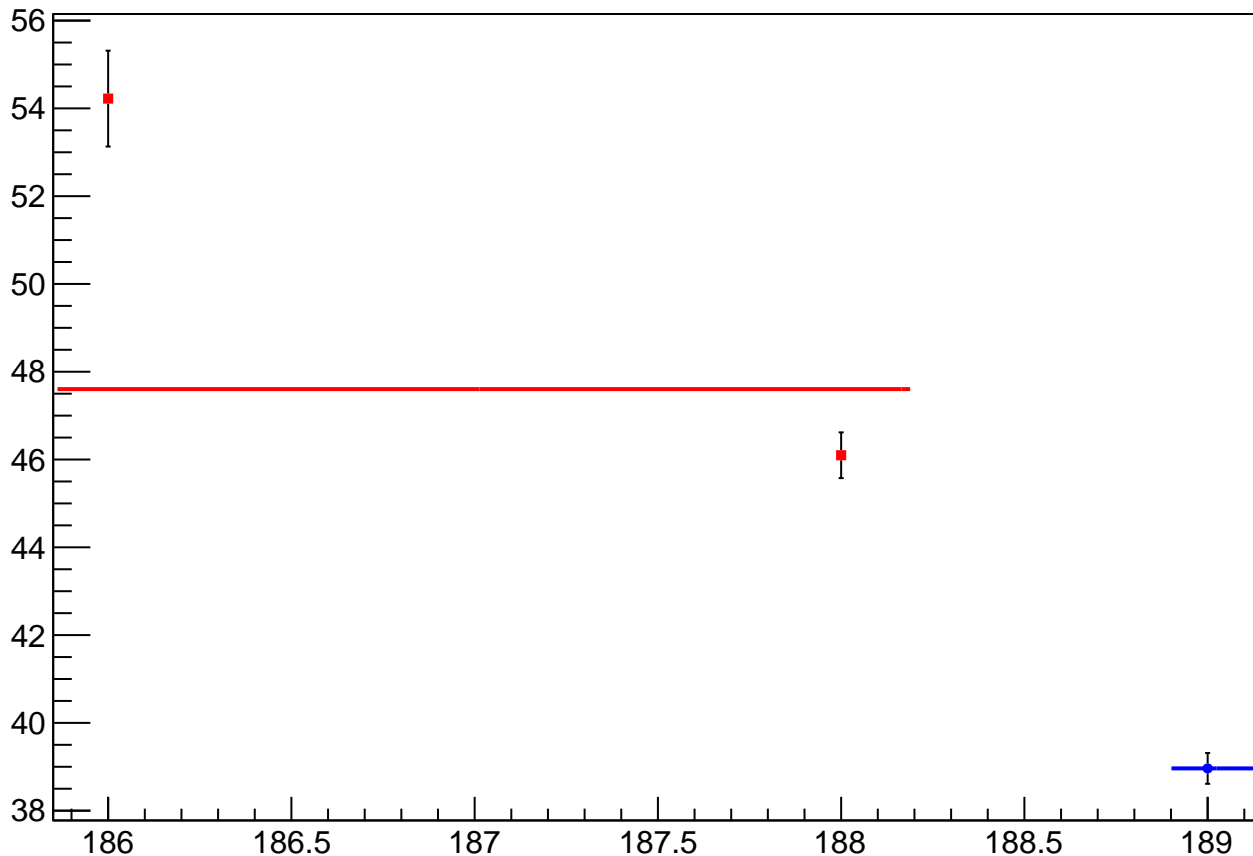
In: 37.347 $\pm$ 0.273  $\chi^2$ /NDF: 0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 34.025 $\pm$ 0.235  $\chi^2$ /NDF: 662.0/2



# dit\_sam6\_4eX\_slope vs Slug, Sign Corrected



Right In: 38.963 $\pm$ 0.351  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 47.604 $\pm$ 0.470  $\chi^2$ /NDF: 45.1/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

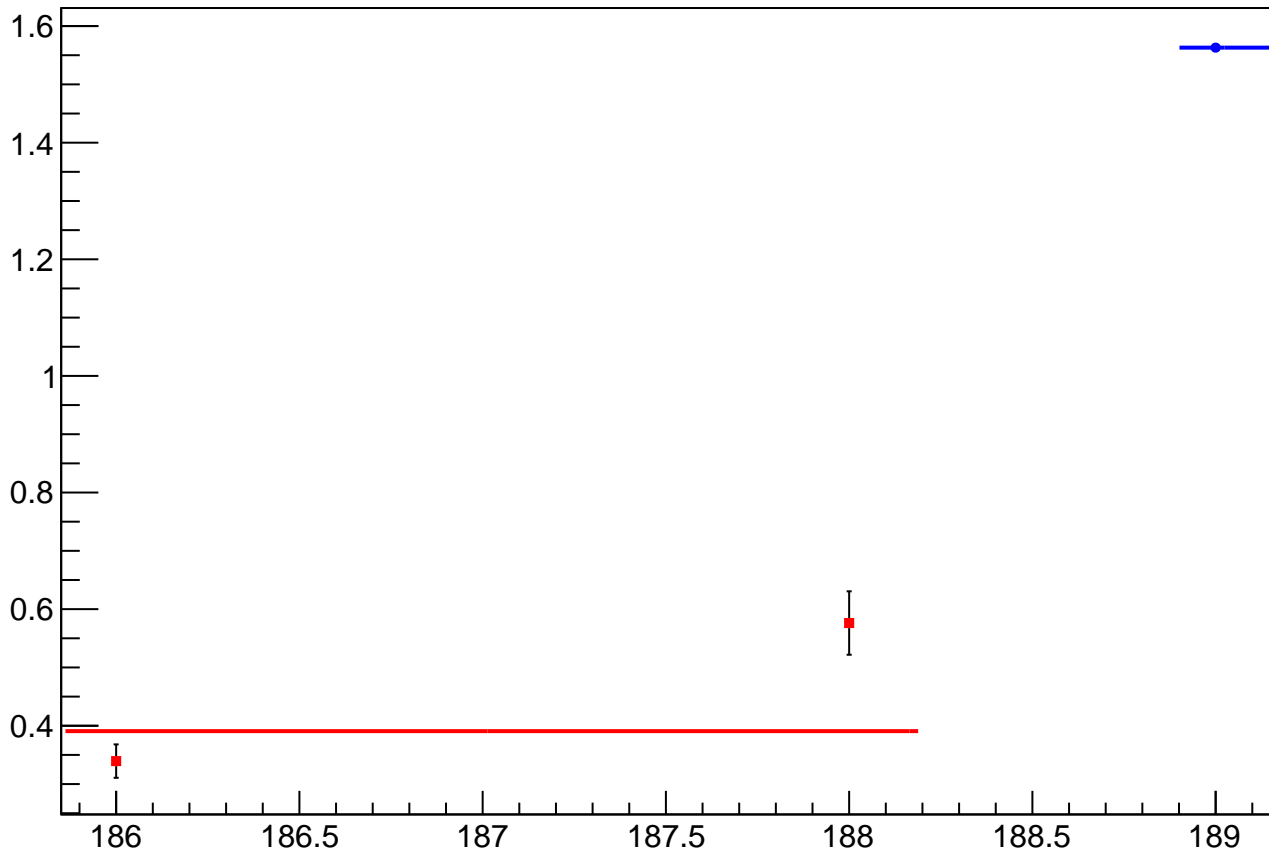
Right: 42.055 $\pm$ 0.281  $\chi^2$ /NDF: 261.9/2

In: 38.963 $\pm$ 0.351  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 42.055 $\pm$ 0.281  $\chi^2$ /NDF: 261.9/2

# dit\_sam6\_11X12X\_slope vs Slug, Sign Corrected



Right In: 1.563 $\pm$ 0.005  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.391 $\pm$ 0.025  $\chi^2$ /NDF: 14.8/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

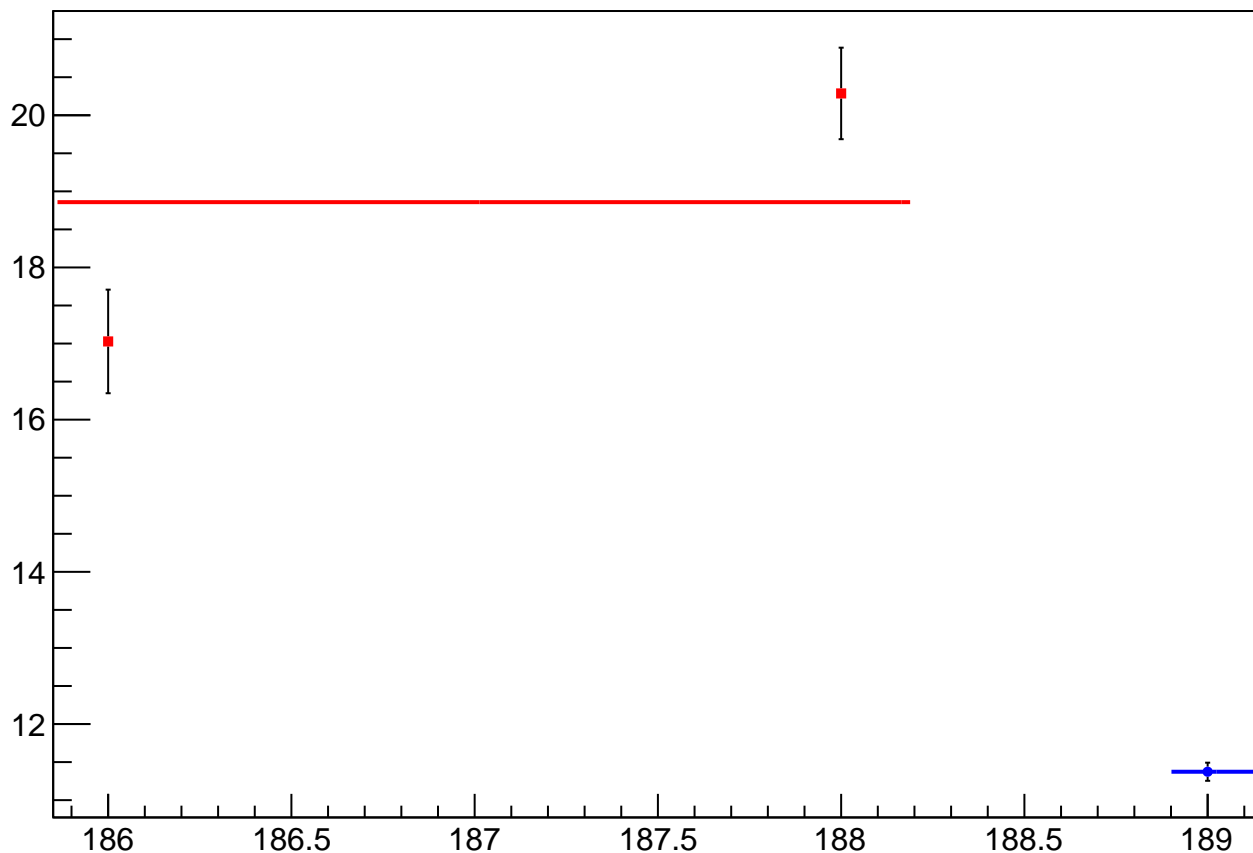
Right: 1.518 $\pm$ 0.005  $\chi^2$ /NDF: 2071.5/2

In: 1.563 $\pm$ 0.005  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.518 $\pm$ 0.005  $\chi^2$ /NDF: 2071.5/2

# dit\_sam6\_4aY\_slope vs Slug, Sign Corrected



Right In: 11.373+/-0.119  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 18.858+/-0.451  $\chi^2$ /NDF: 12.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

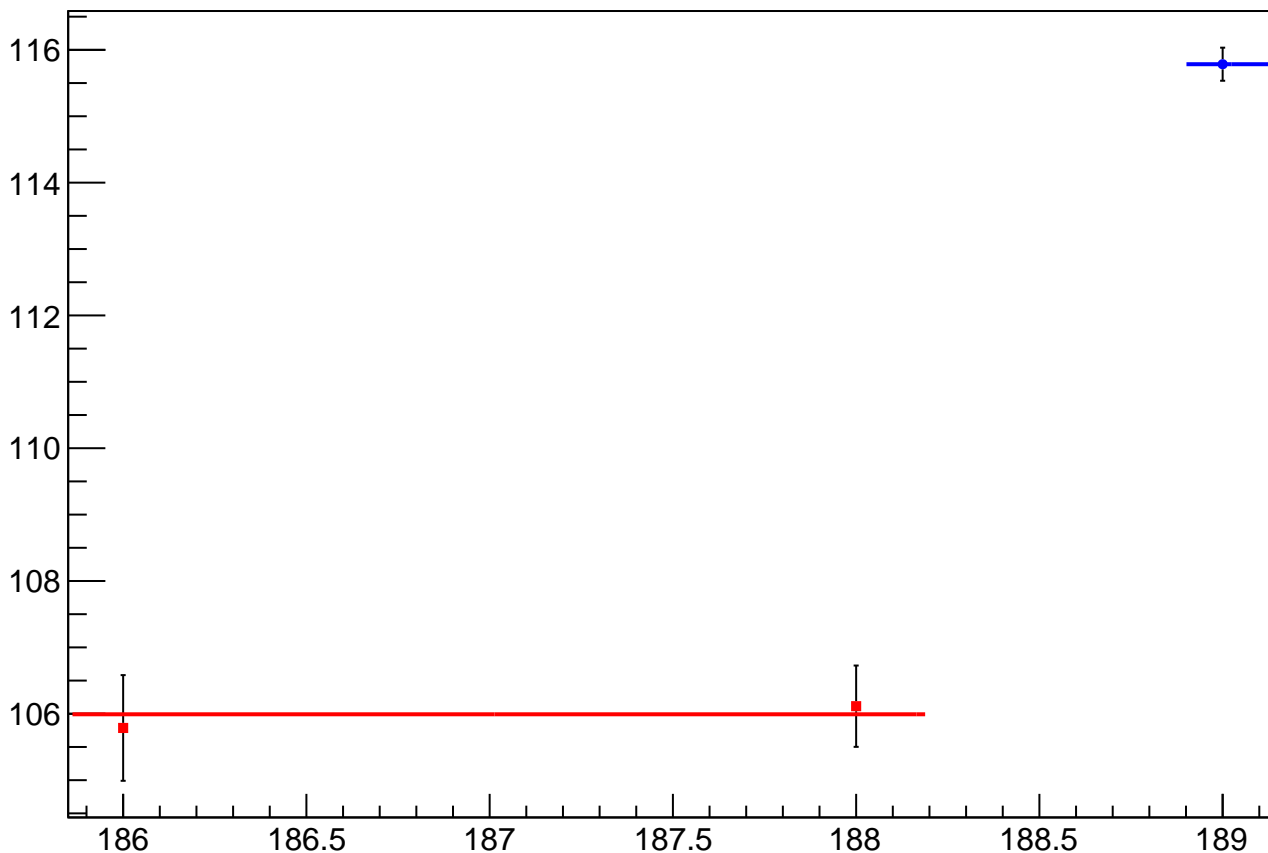
Right: 11.861+/-0.115  $\chi^2$ /NDF: 270.8/2

In: 11.373+/-0.119  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 11.861+/-0.115  $\chi^2$ /NDF: 270.8/2

# dit\_sam6\_4eY\_slope vs Slug, Sign Corrected



Right In: 115.784 $\pm$ 0.249  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 105.992 $\pm$ 0.485  $\chi^2$ /NDF: 0.1/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

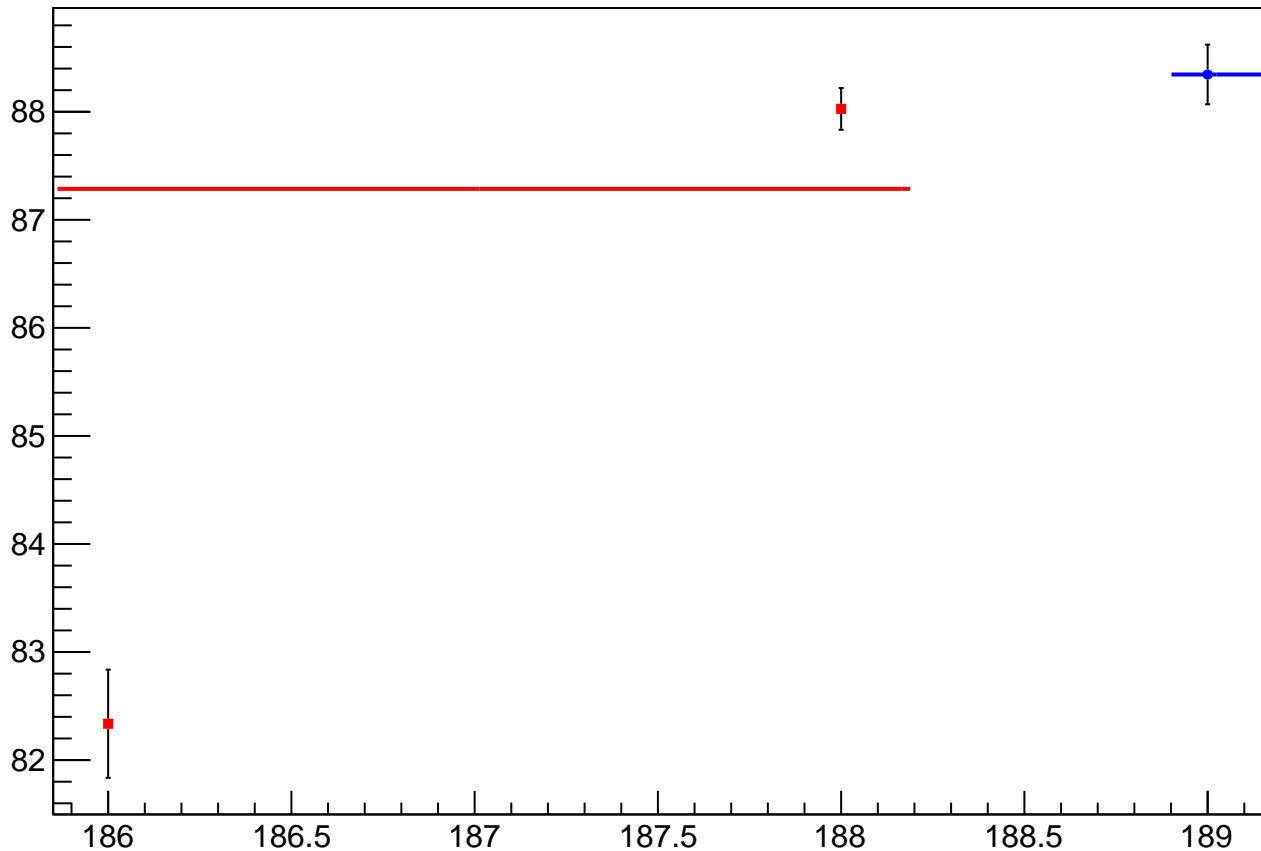
Right: 113.742 $\pm$ 0.222  $\chi^2$ /NDF: 322.2/2

In: 115.784 $\pm$ 0.249  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 113.742 $\pm$ 0.222  $\chi^2$ /NDF: 322.2/2

# dit\_sam7\_4aX\_slope vs Slug, Sign Corrected



Right In: 88.345 $\pm$ 0.276  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 87.287 $\pm$ 0.181  $\chi^2$ /NDF: 112.4/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

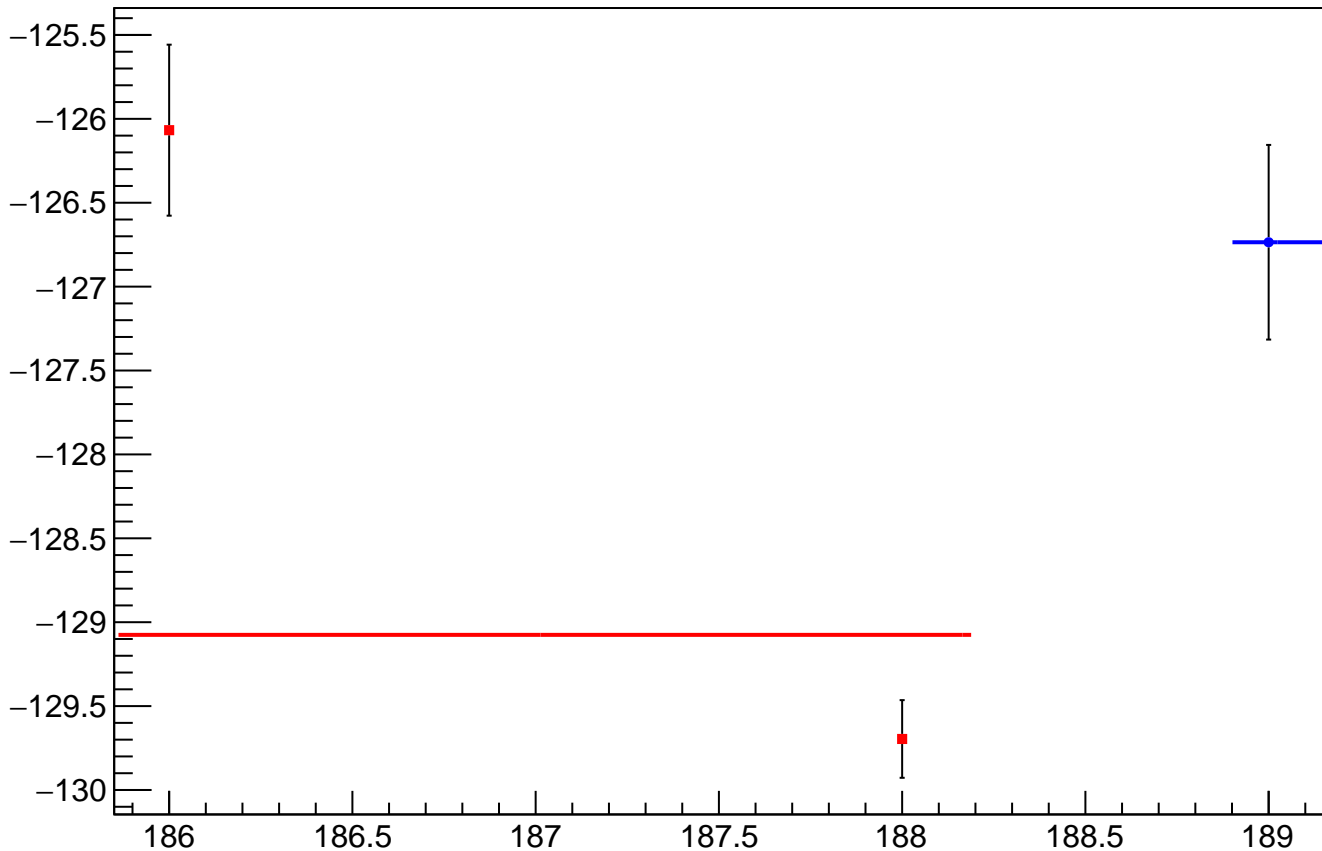
Right: 87.604 $\pm$ 0.151  $\chi^2$ /NDF: 122.7/2

In: 88.345 $\pm$ 0.276  $\chi^2$ /NDF: 0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 87.604 $\pm$ 0.151  $\chi^2$ /NDF: 122.7/2

# dit\_sam7\_4eX\_slope vs Slug, Sign Corrected



Right In: -126.735+/-0.580  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -129.075+/-0.211  $\chi^2$ /NDF: 42.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

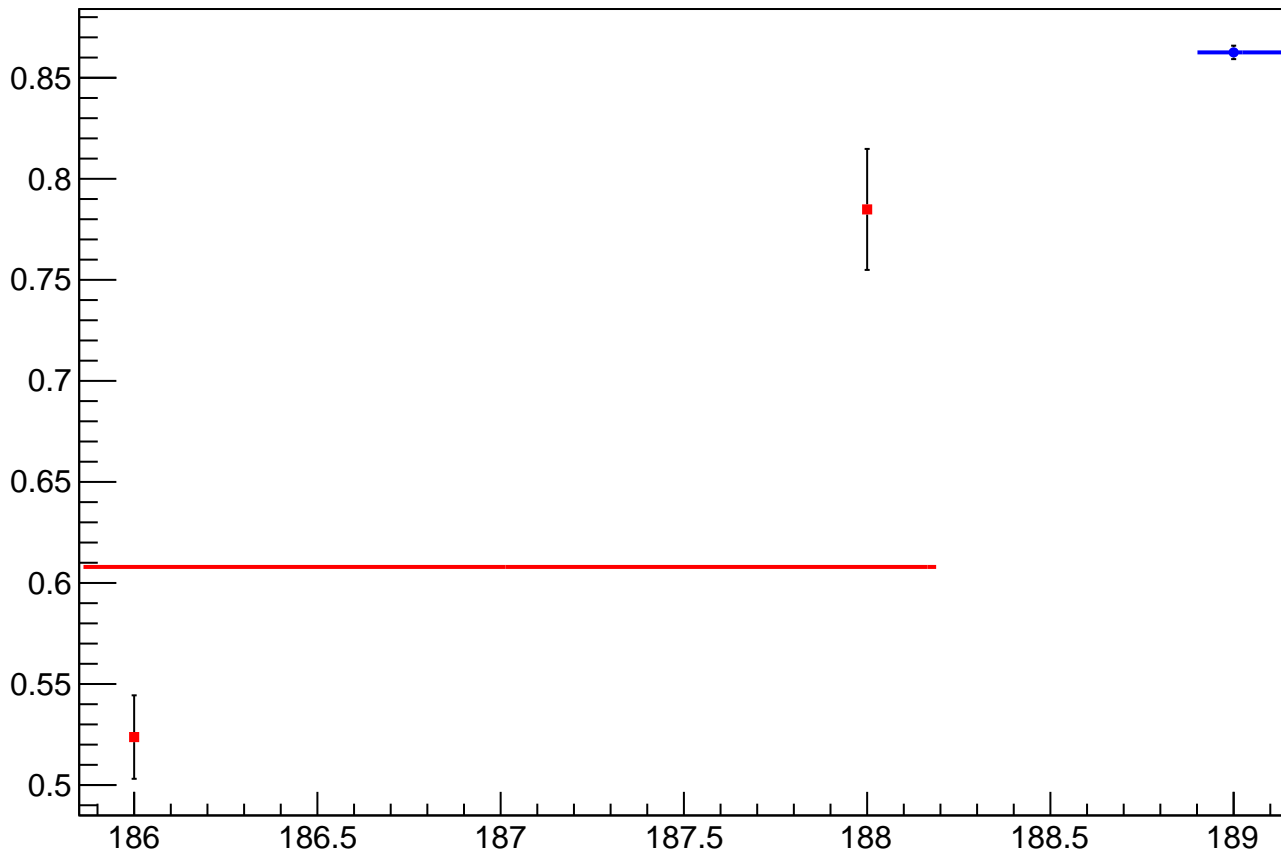
Right: -128.803+/-0.198  $\chi^2$ /NDF: 56.4/2

In: -126.735+/-0.580  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -128.803+/-0.198  $\chi^2$ /NDF: 56.4/2

# dit\_sam7\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.863 $\pm$ 0.003  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.608 $\pm$ 0.017  $\chi^2$ /NDF: 51.5/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

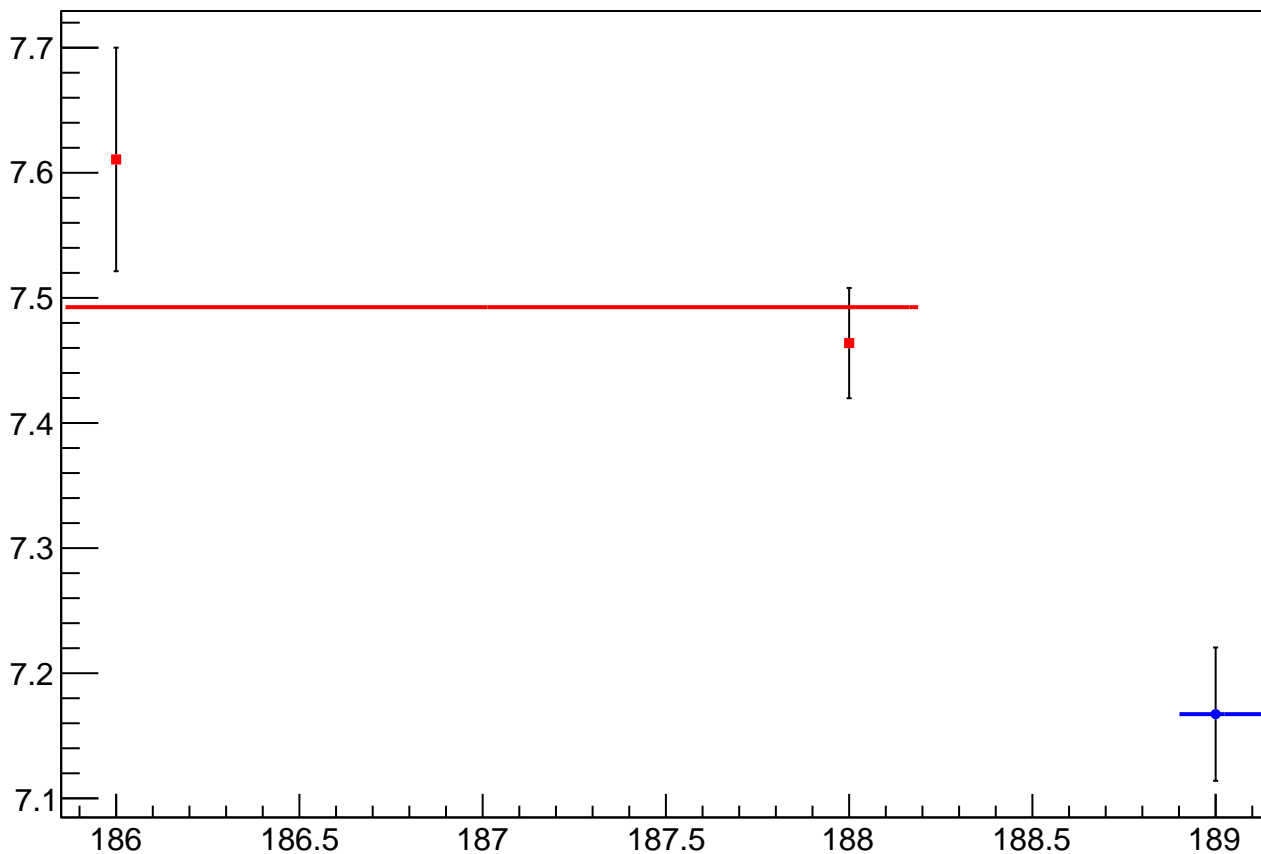
Right: 0.853 $\pm$ 0.003  $\chi^2$ /NDF: 267.6/2

In: 0.863 $\pm$ 0.003  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.853 $\pm$ 0.003  $\chi^2$ /NDF: 267.6/2

# dit\_sam7\_4aY\_slope vs Slug, Sign Corrected



Right In: 7.167+/-0.053  $\chi^2/\text{NDF}$ : 0.0/0

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.493+/-0.040  $\chi^2/\text{NDF}$ : 2.2/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 7.377+/-0.032  $\chi^2/\text{NDF}$ : 26.2/2

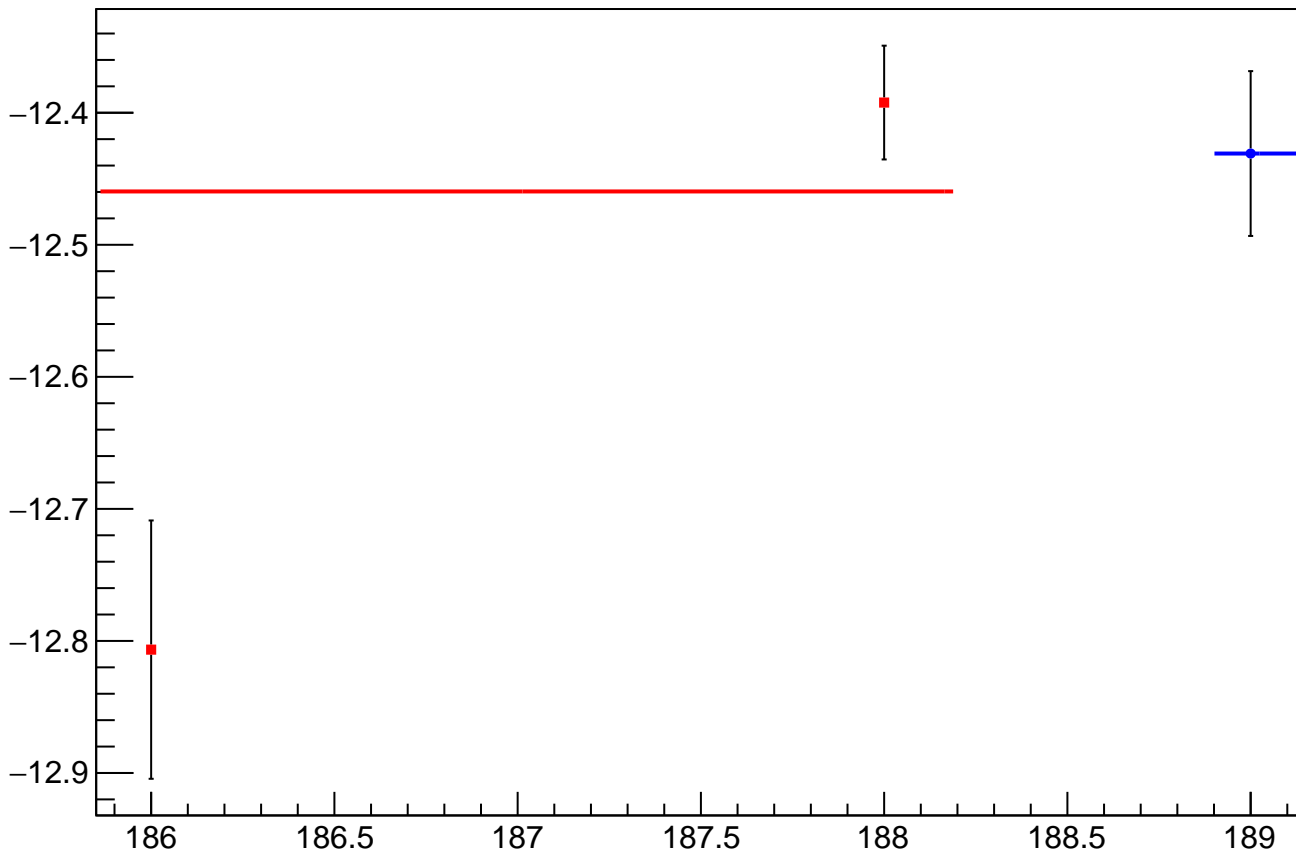
In: 7.167+/-0.053  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.377+/-0.032  $\chi^2/\text{NDF}$ : 26.2/2



# dit\_sam7\_4eY\_slope vs Slug, Sign Corrected



Right In: -12.431+/-0.062  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -12.460+/-0.039  $\chi^2$ /NDF: 15.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

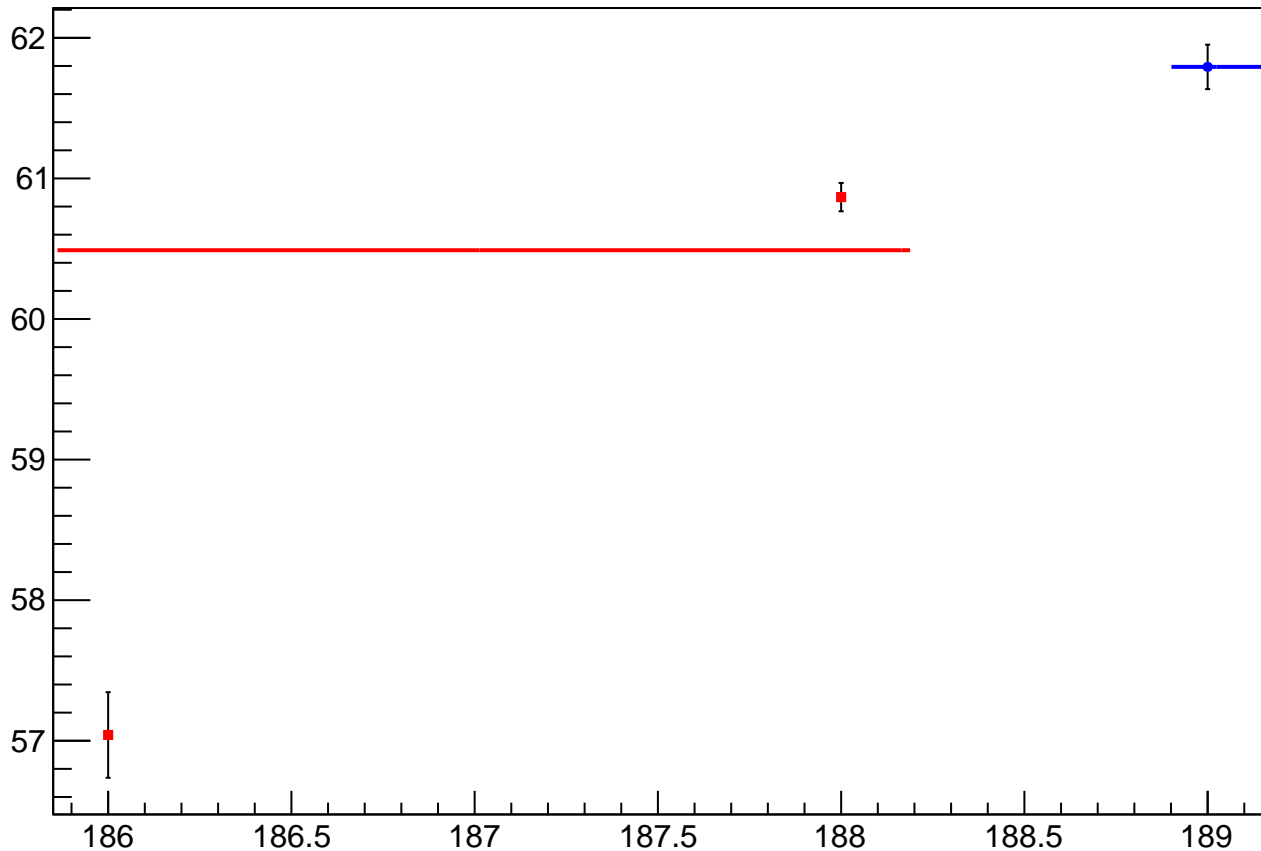
Right: -12.451+/-0.033  $\chi^2$ /NDF: 15.2/2

In: -12.431+/-0.062  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -12.451+/-0.033  $\chi^2$ /NDF: 15.2/2

# dit\_sam8\_4aX\_slope vs Slug, Sign Corrected



Right In: 61.794+/-0.158  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 60.489+/-0.096  $\chi^2$ /NDF: 142.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

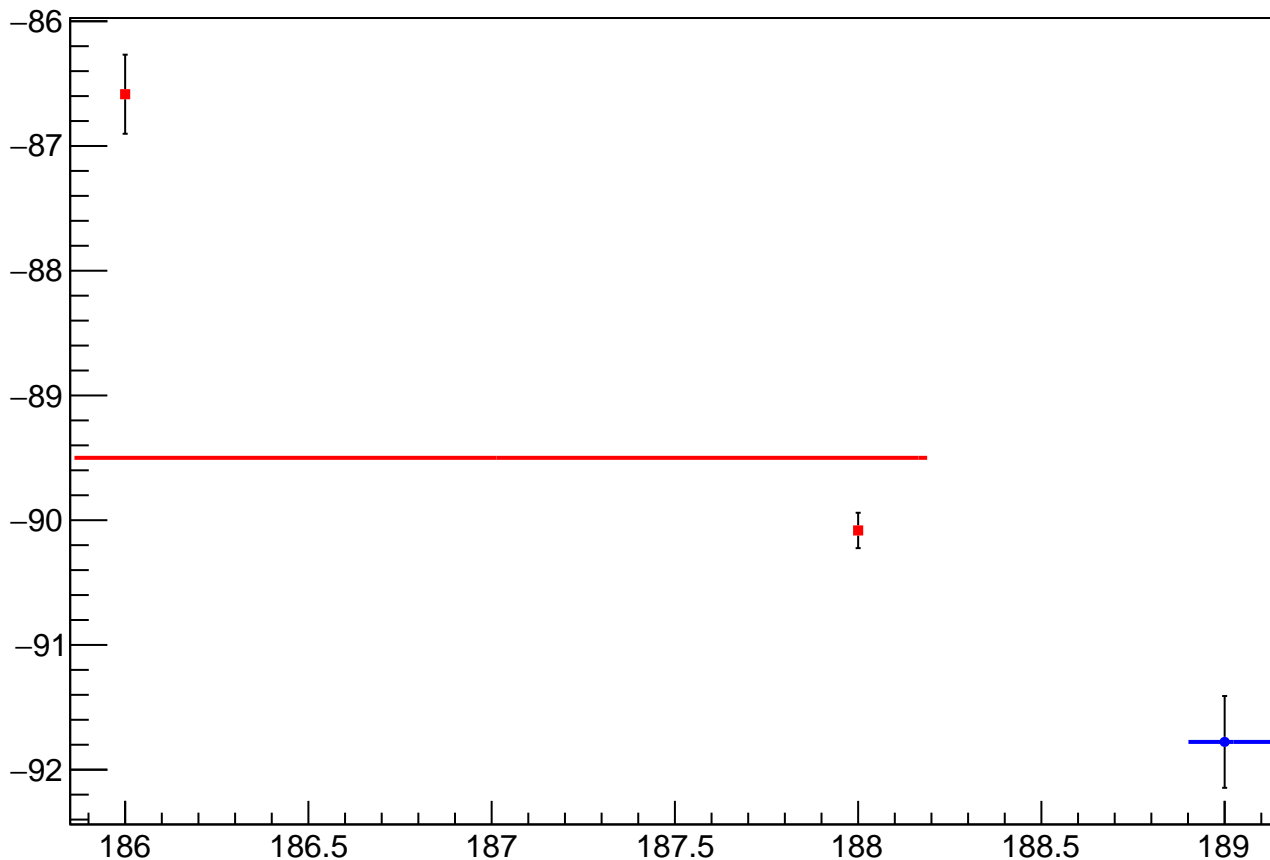
Right: 60.839+/-0.082  $\chi^2$ /NDF: 192.0/2

In: 61.794+/-0.158  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 60.839+/-0.082  $\chi^2$ /NDF: 192.0/2

# dit\_sam8\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-91.777 \pm 0.368$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-89.500 \pm 0.129$   $\chi^2/\text{NDF}: 101.5/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

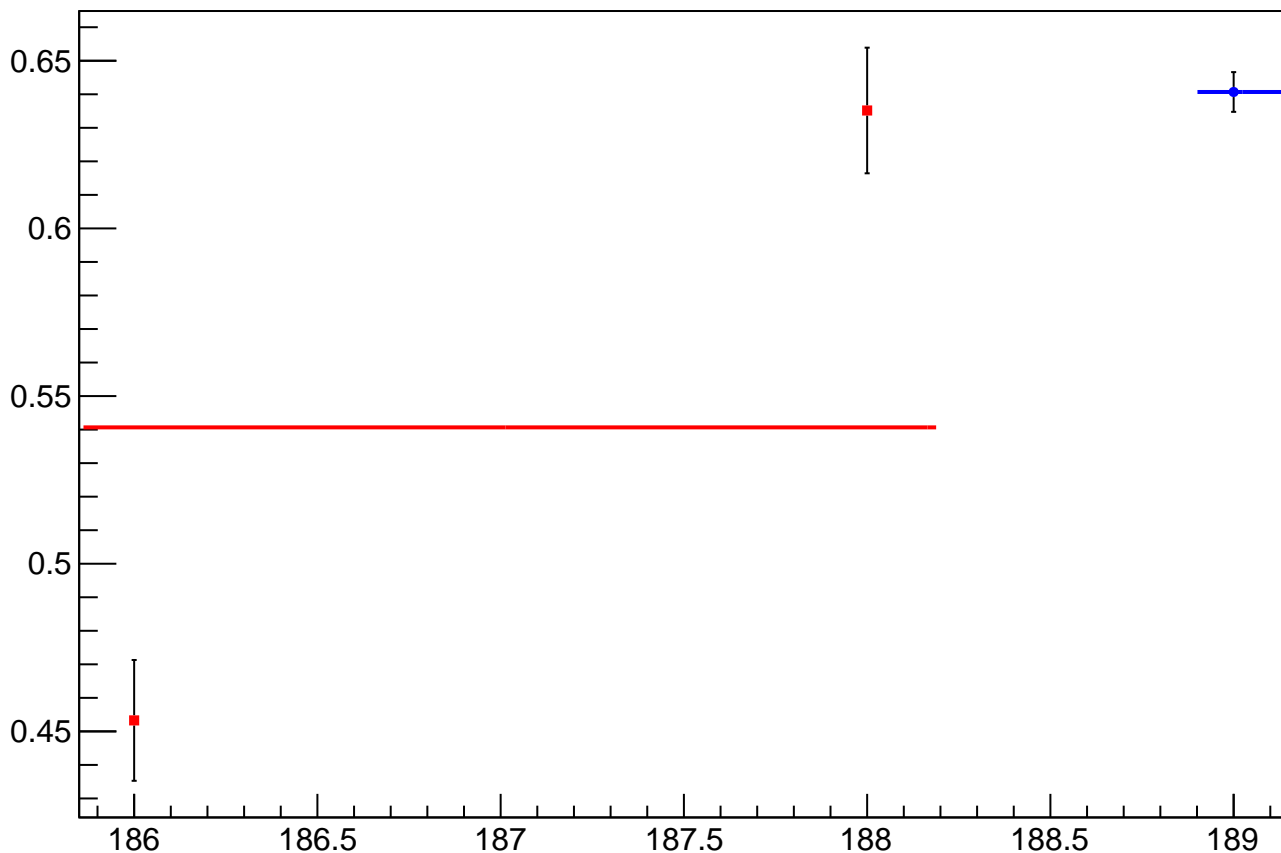
Right:  $-89.751 \pm 0.122$   $\chi^2/\text{NDF}: 135.6/2$

In:  $-91.777 \pm 0.368$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-89.751 \pm 0.122$   $\chi^2/\text{NDF}: 135.6/2$

# dit\_sam8\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.641 $\pm$ 0.006  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.541 $\pm$ 0.013  $\chi^2$ /NDF: 49.0/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

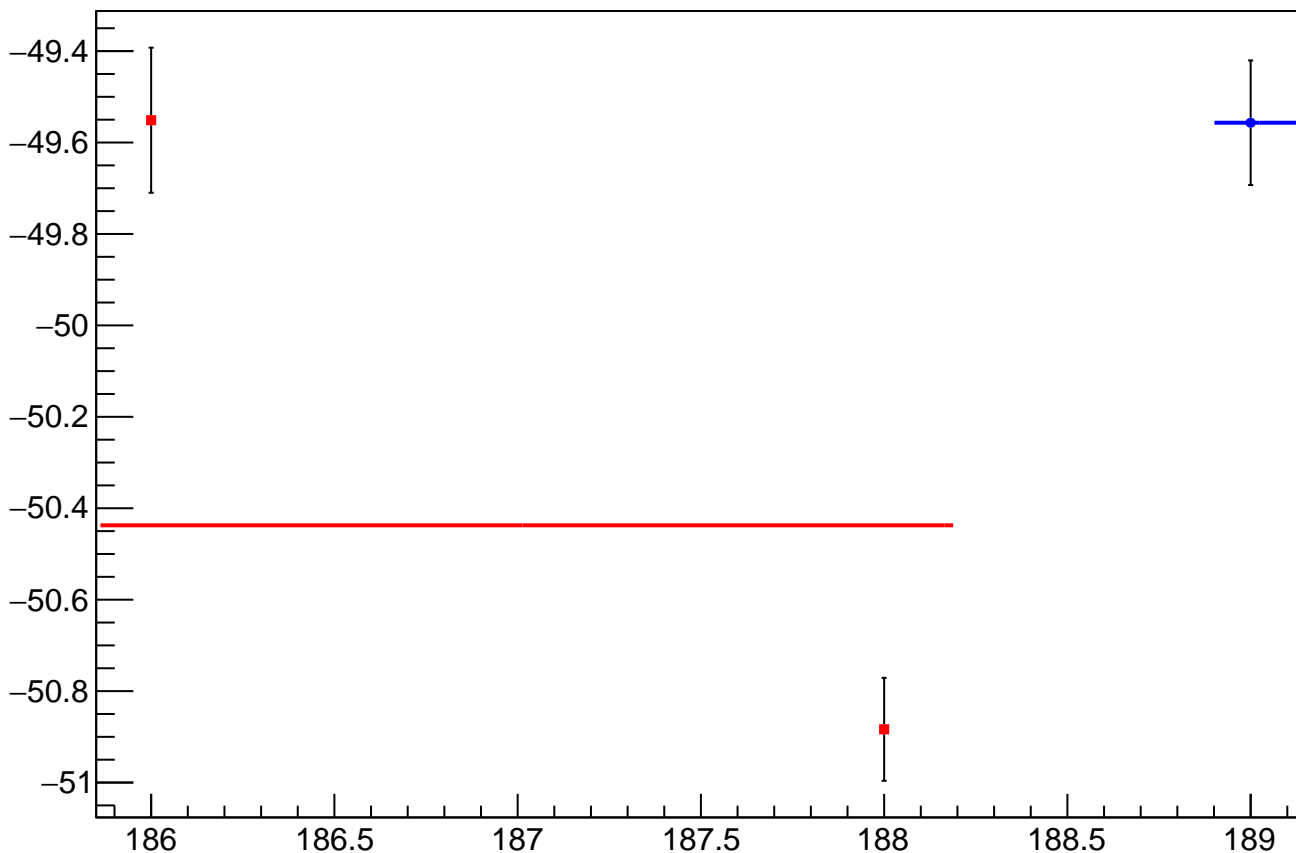
Right: 0.623 $\pm$ 0.005  $\chi^2$ /NDF: 98.1/2

In: 0.641 $\pm$ 0.006  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.623 $\pm$ 0.005  $\chi^2$ /NDF: 98.1/2

# dit\_sam8\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-49.557 \pm 0.136$   $\chi^2/\text{NDF}: 0.0/0$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-50.437 \pm 0.092$   $\chi^2/\text{NDF}: 46.9/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

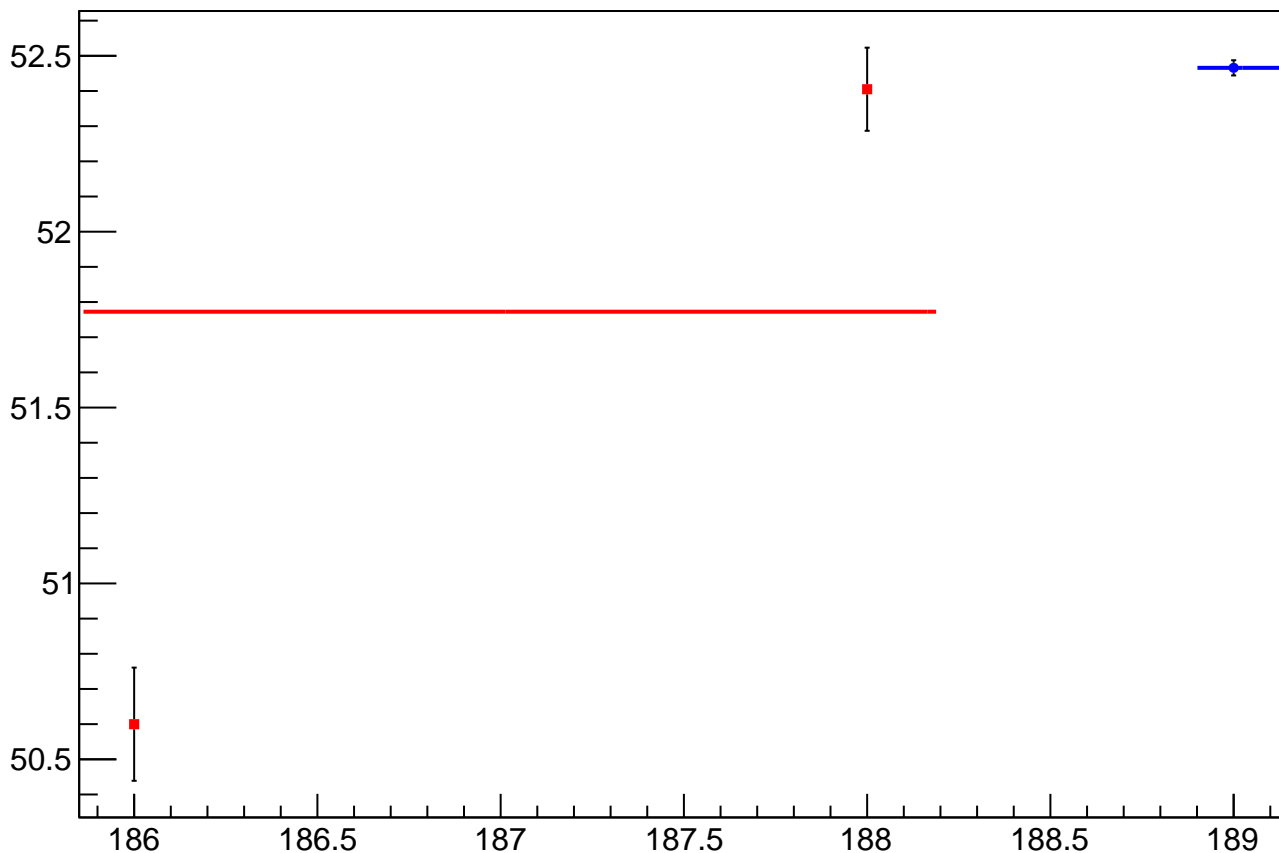
Right:  $-50.162 \pm 0.076$   $\chi^2/\text{NDF}: 75.6/2$

In:  $-49.557 \pm 0.136$   $\chi^2/\text{NDF}: 0.0/0$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-50.162 \pm 0.076$   $\chi^2/\text{NDF}: 75.6/2$

# dit\_sam8\_4eY\_slope vs Slug, Sign Corrected



Right In: 52.466+/-0.022  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 51.773+/-0.095  $\chi^2$ /NDF: 81.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

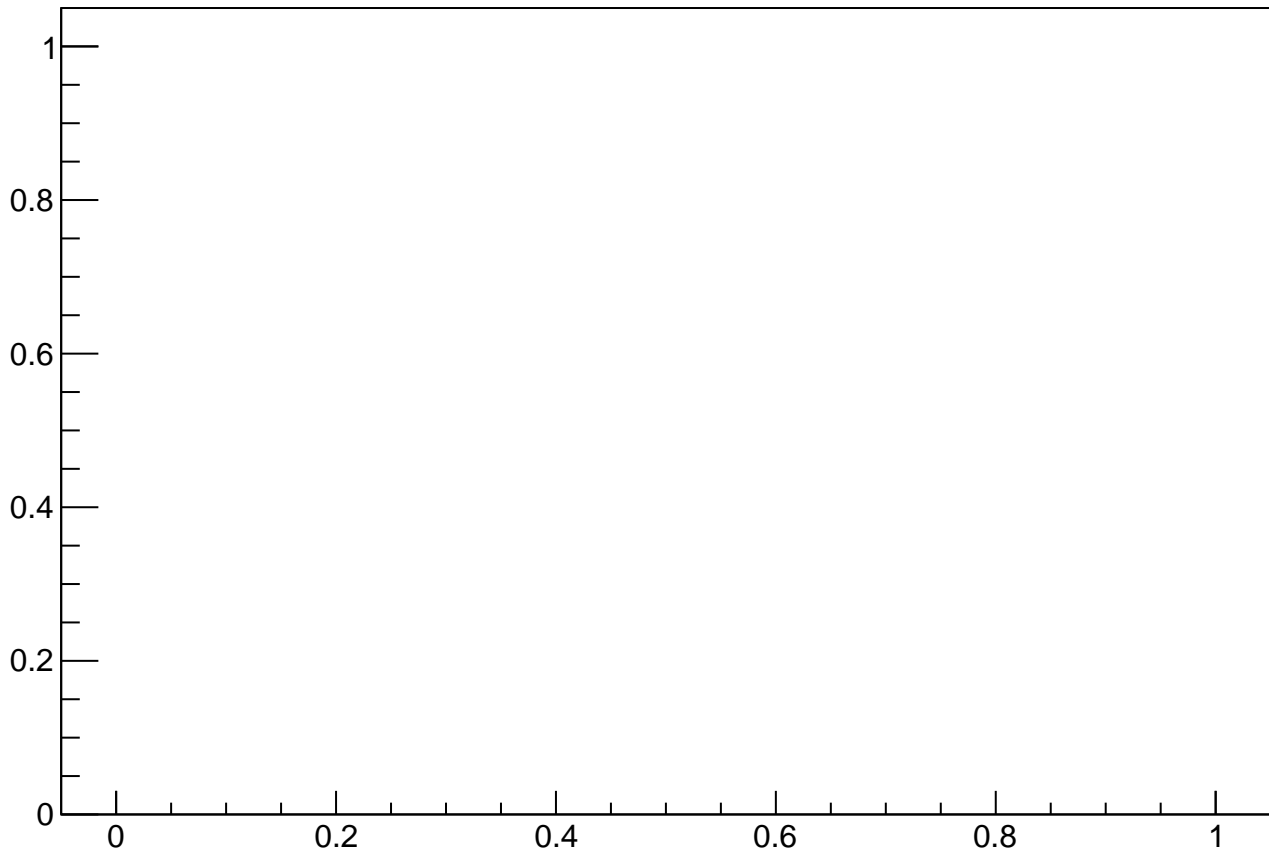
Right: 52.432+/-0.021  $\chi^2$ /NDF: 132.2/2

In: 52.466+/-0.022  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 52.432+/-0.021  $\chi^2$ /NDF: 132.2/2

# dit\_4aX\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

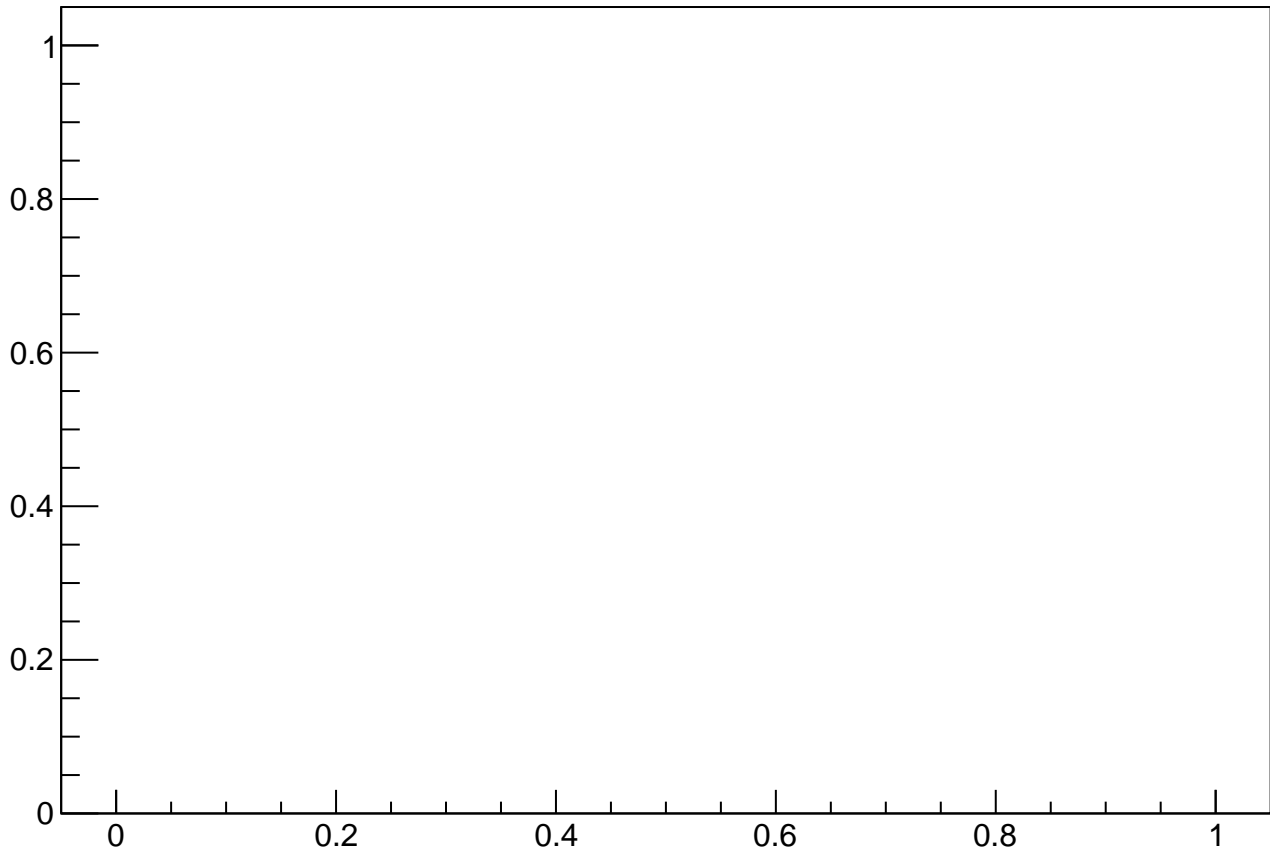
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

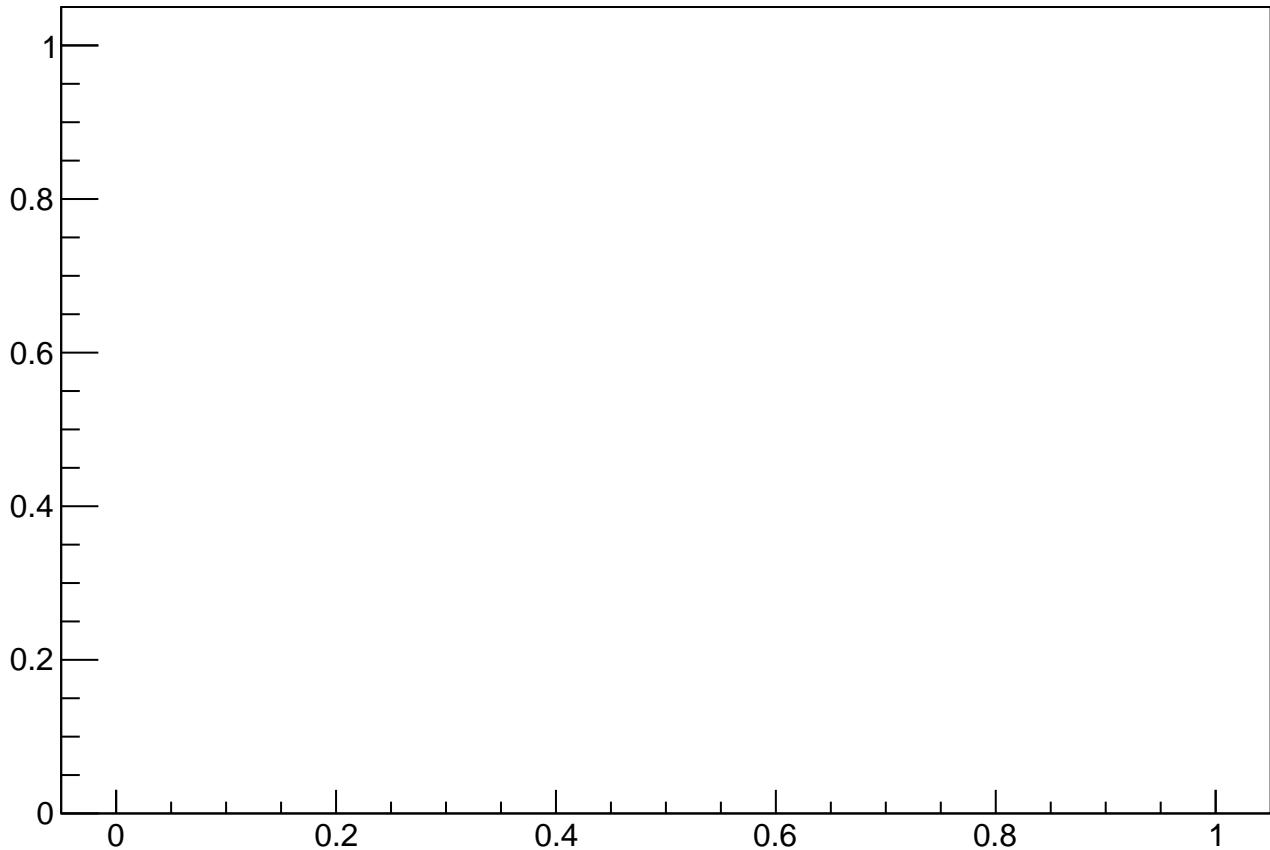
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

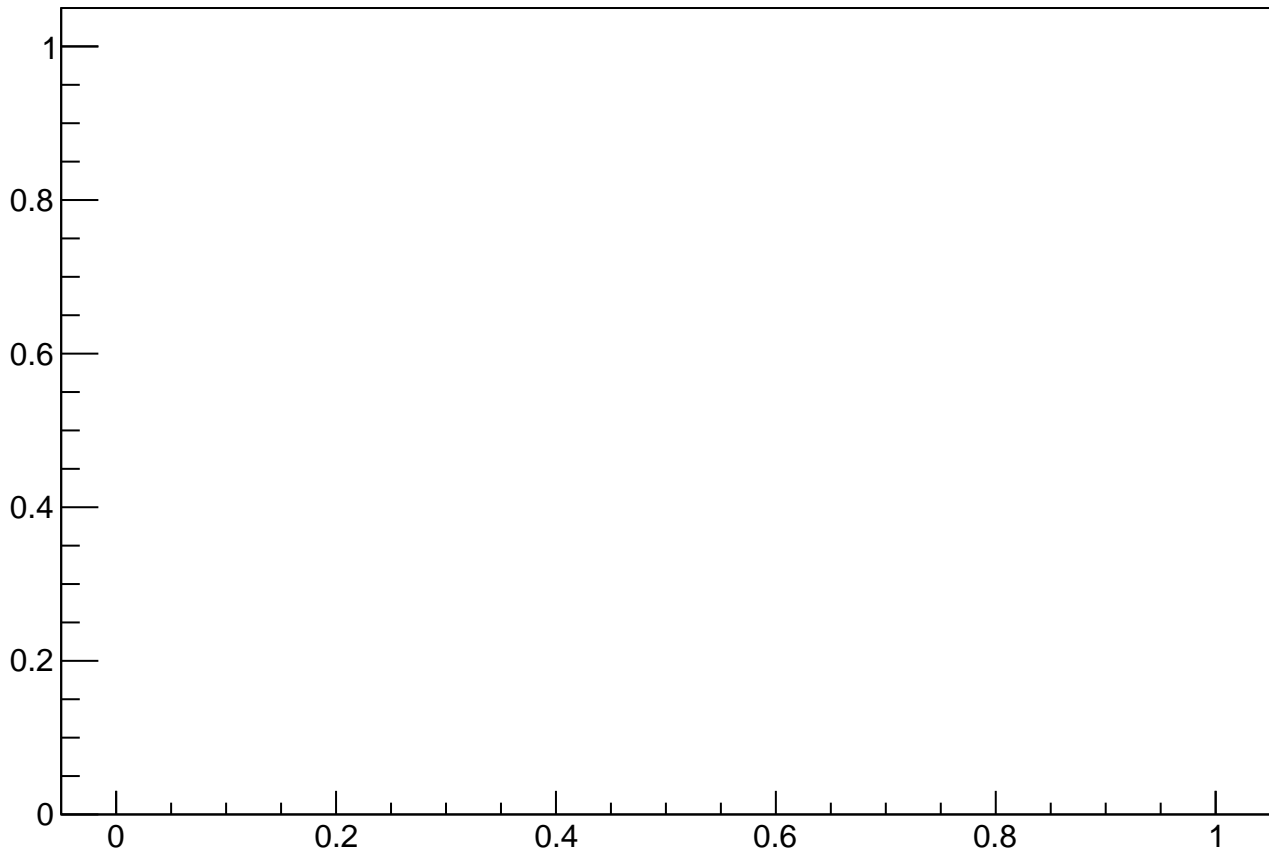
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

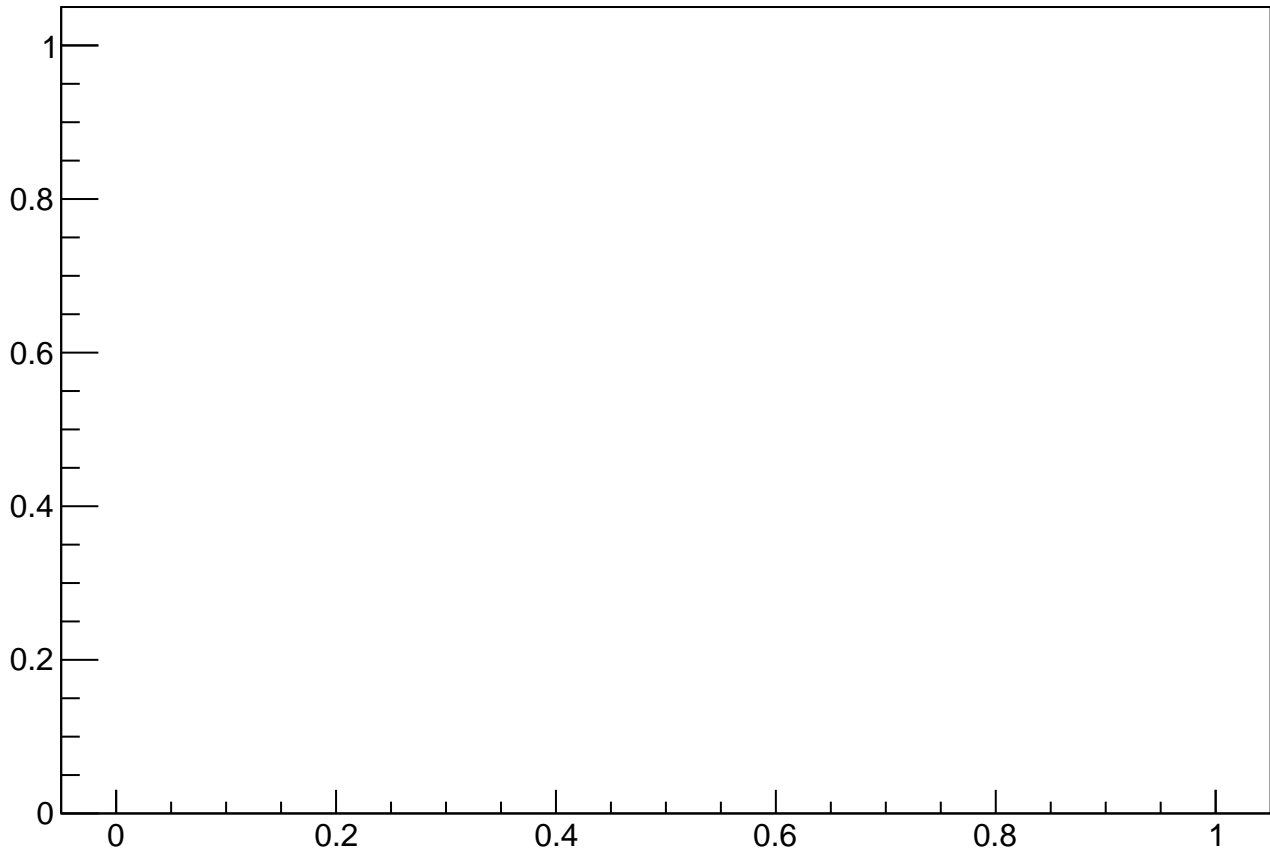
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

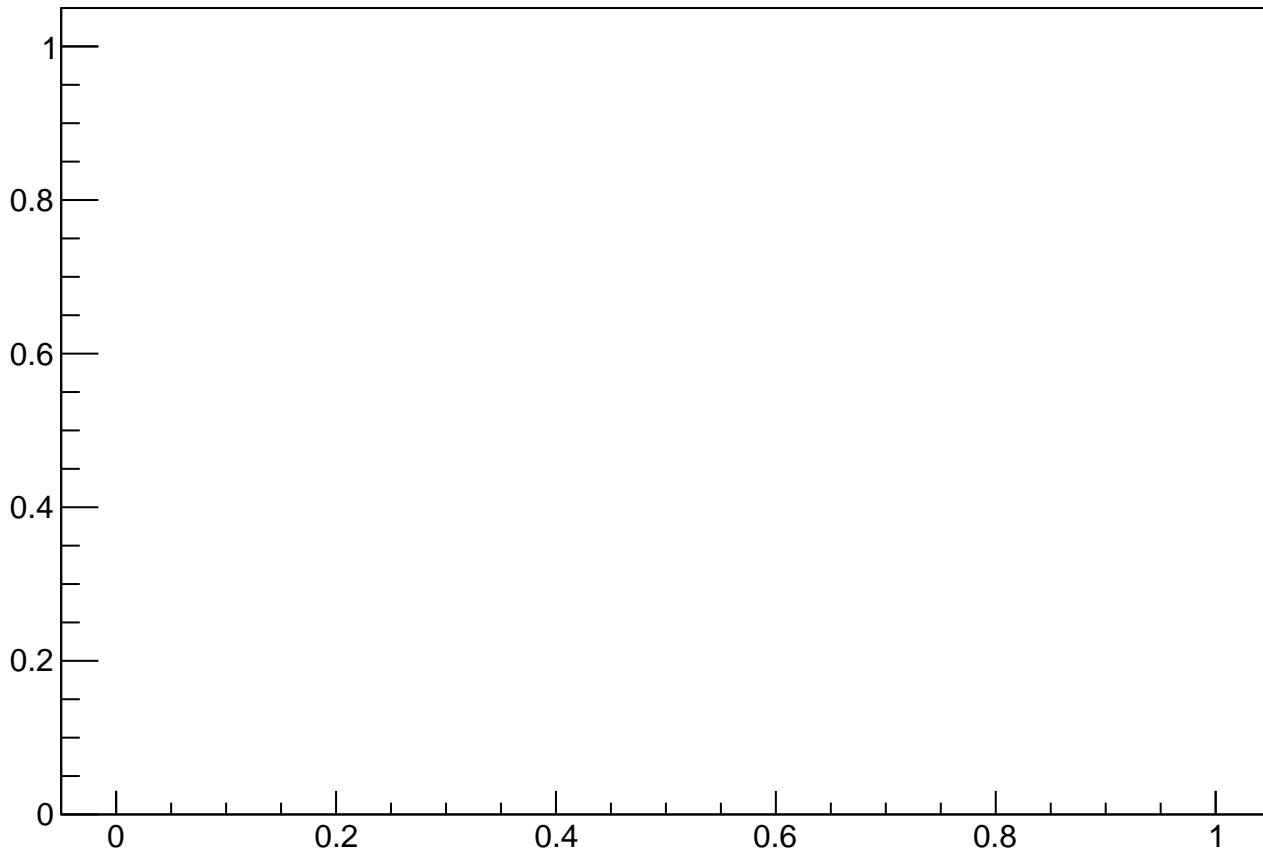
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

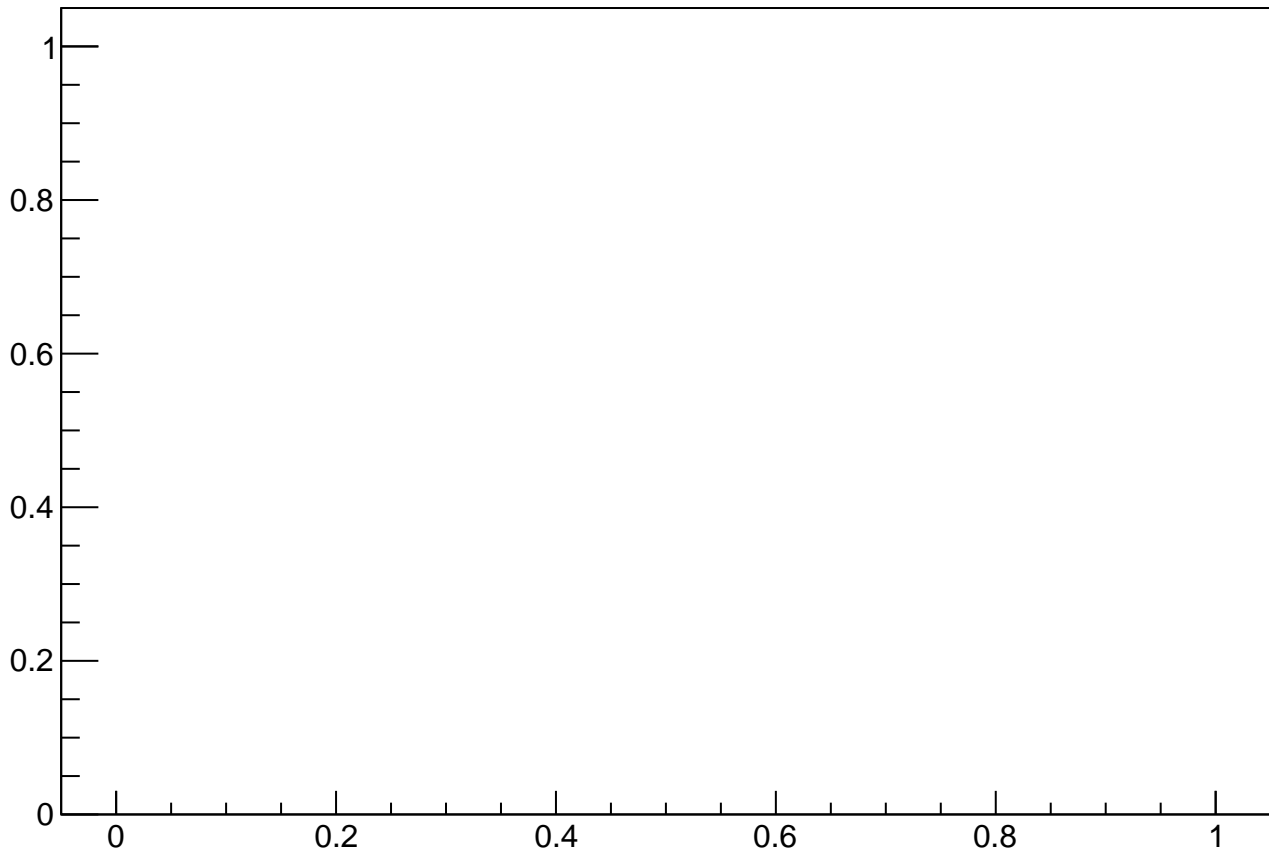
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

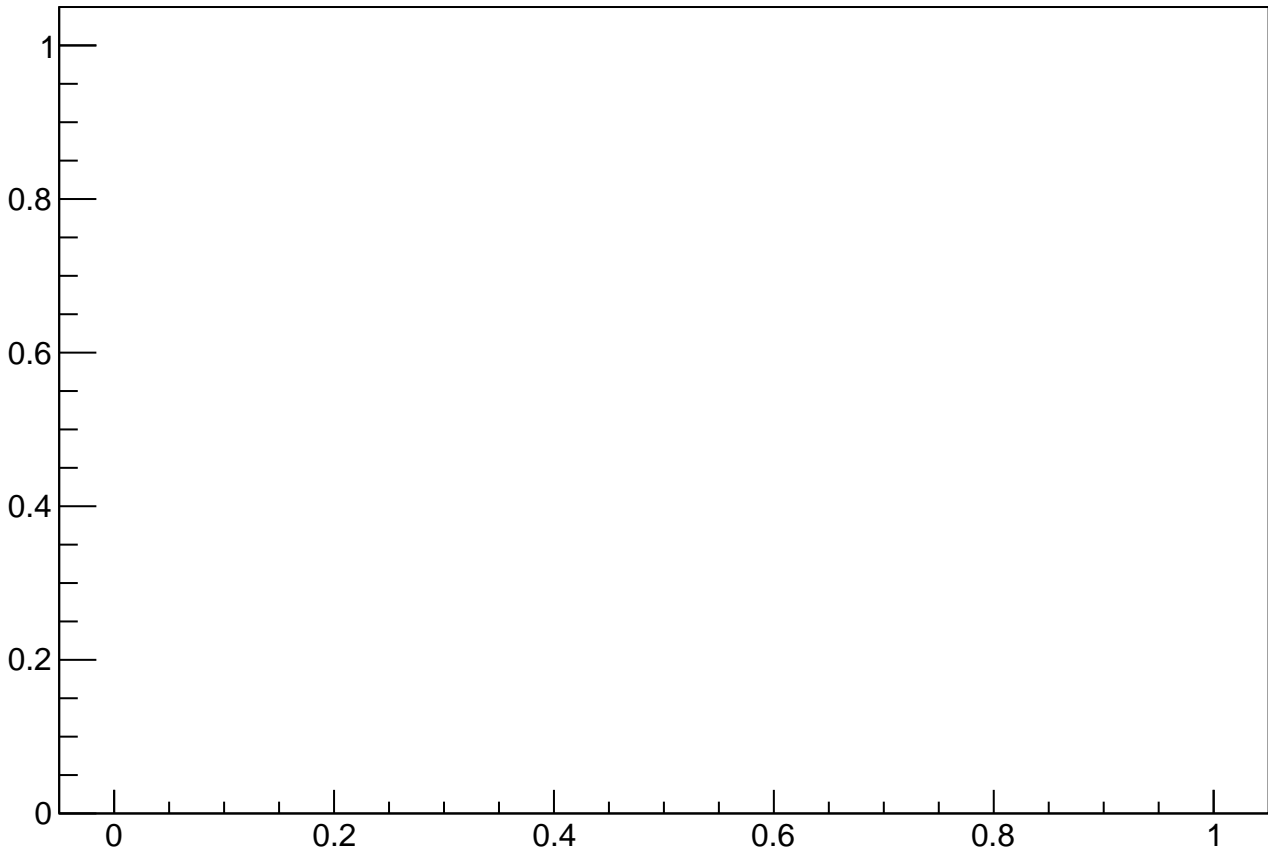
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_4aY\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

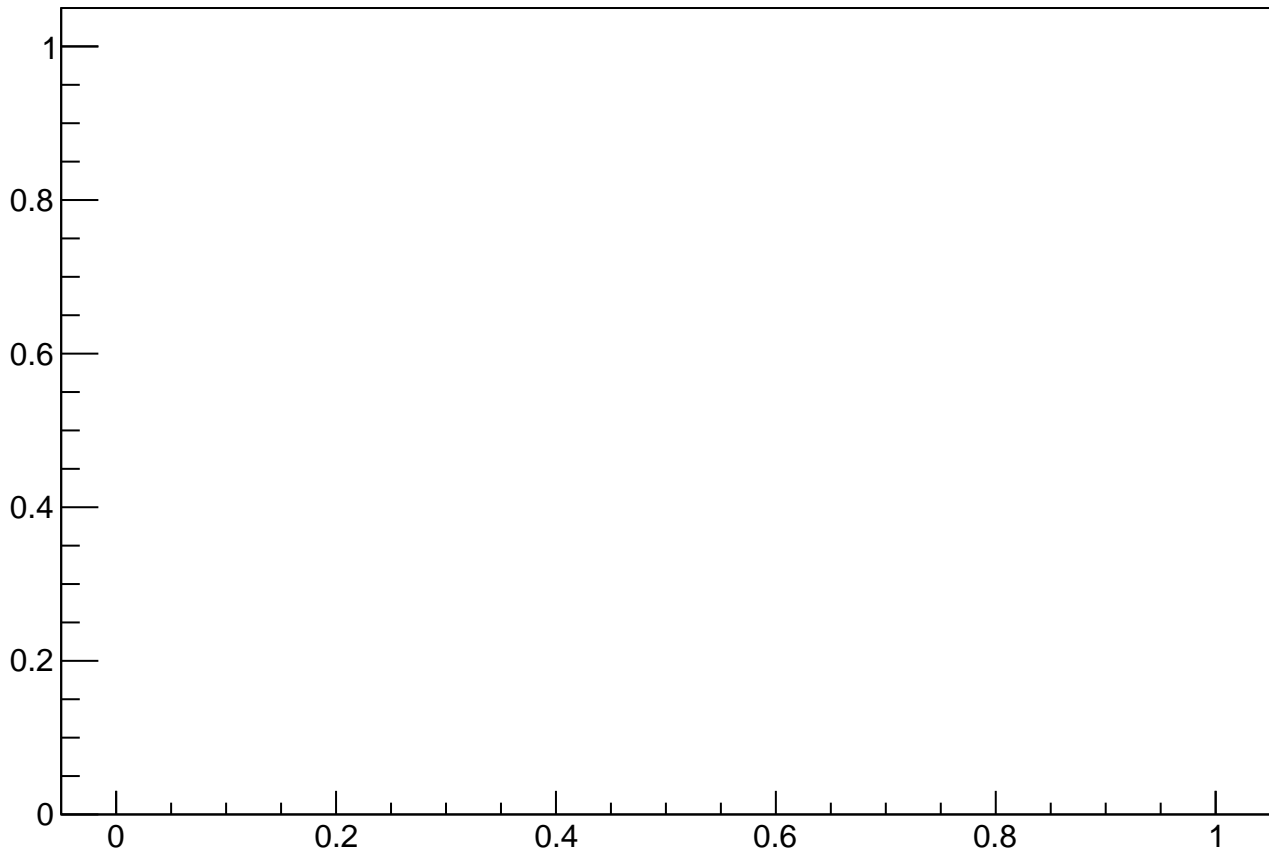
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

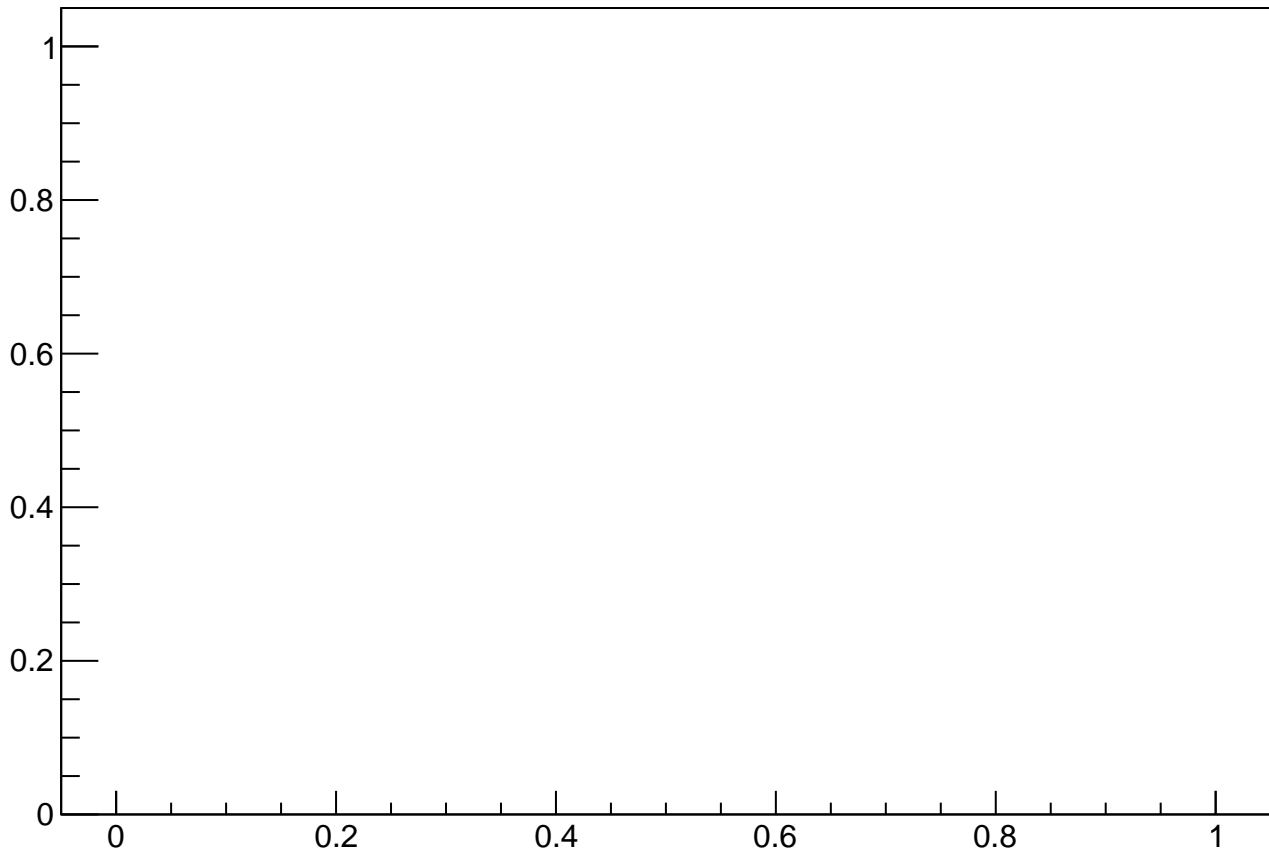
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

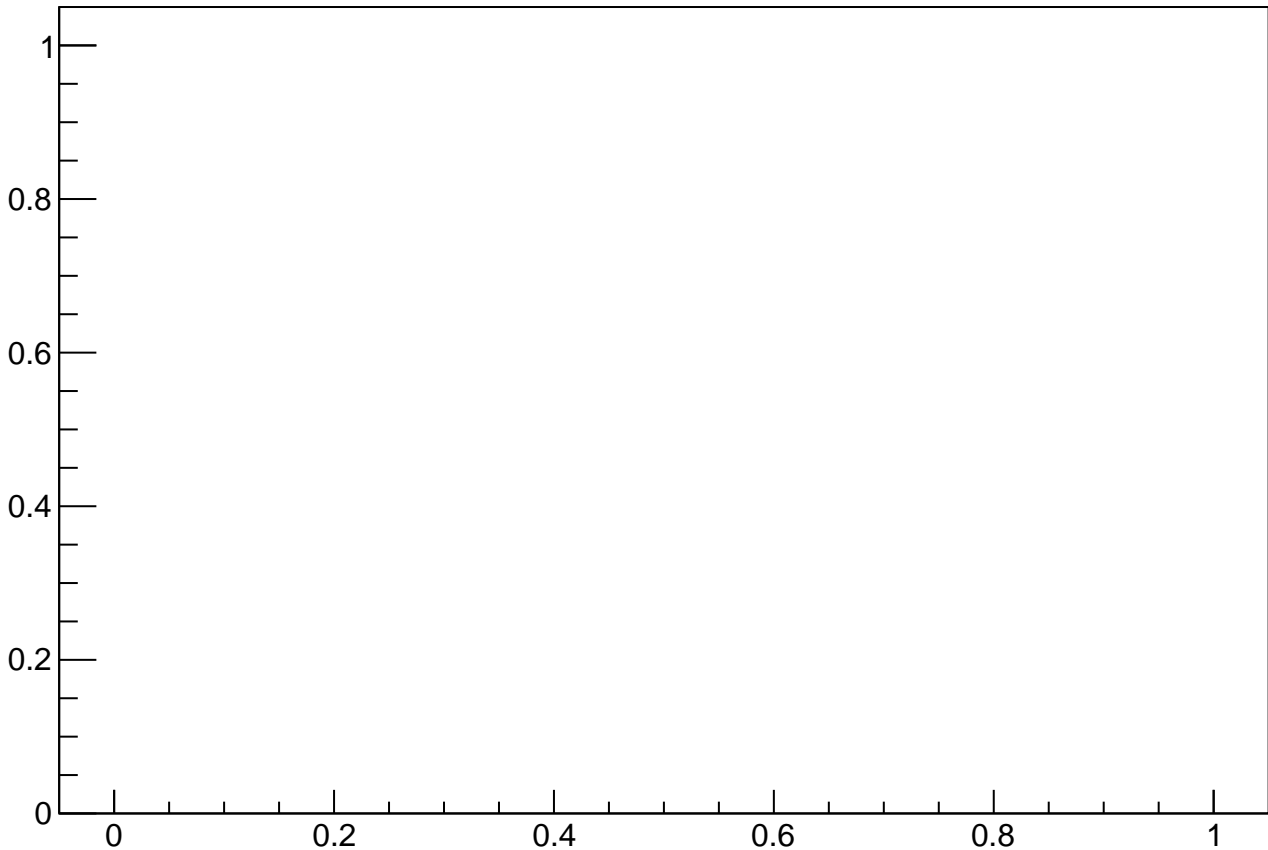
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

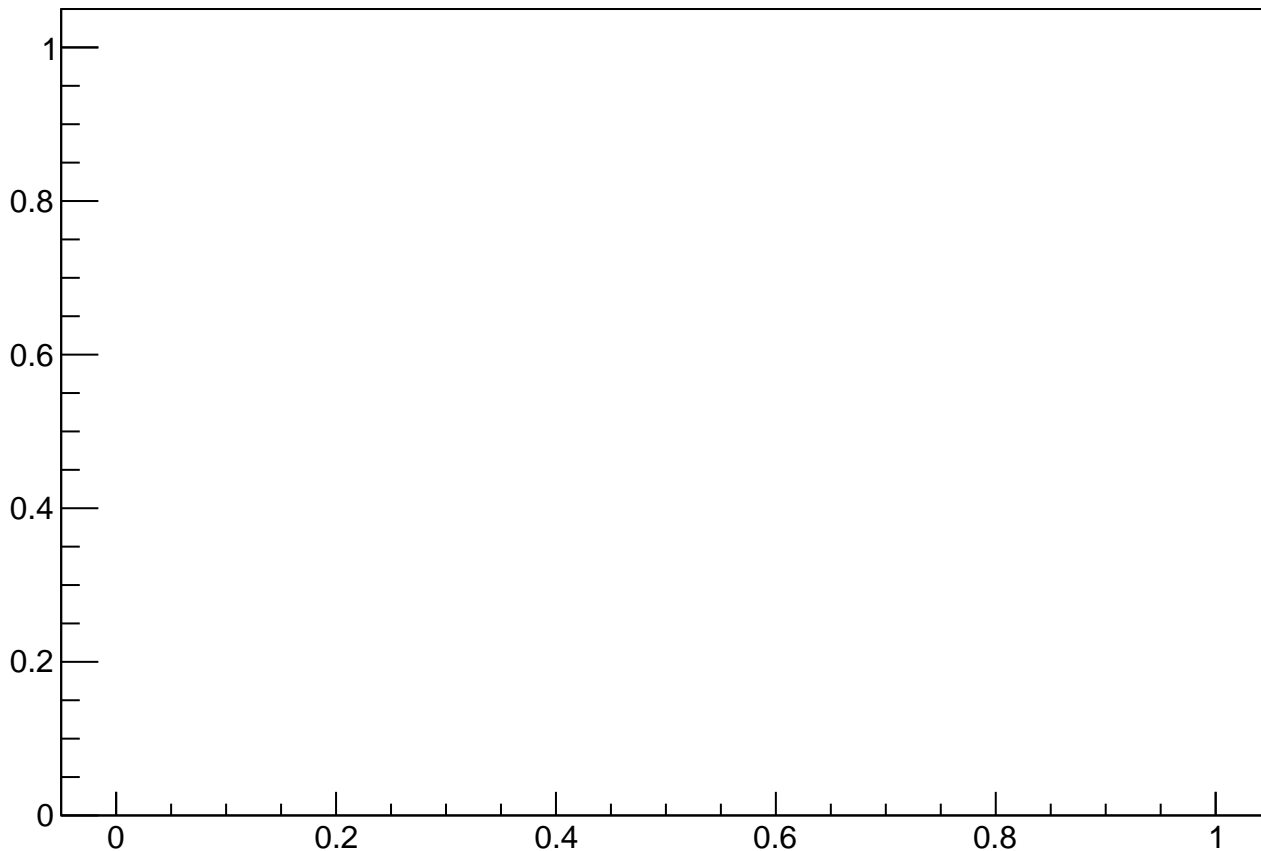
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

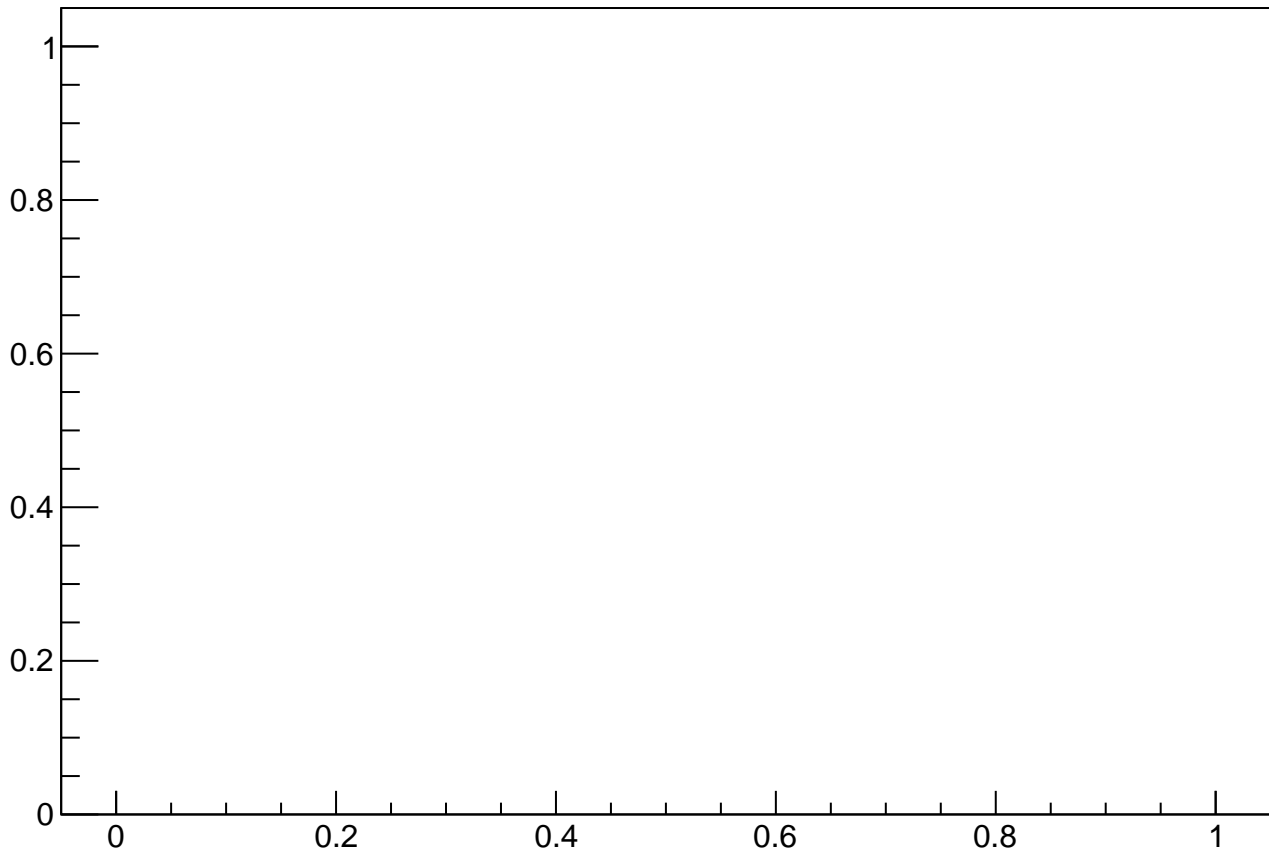
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

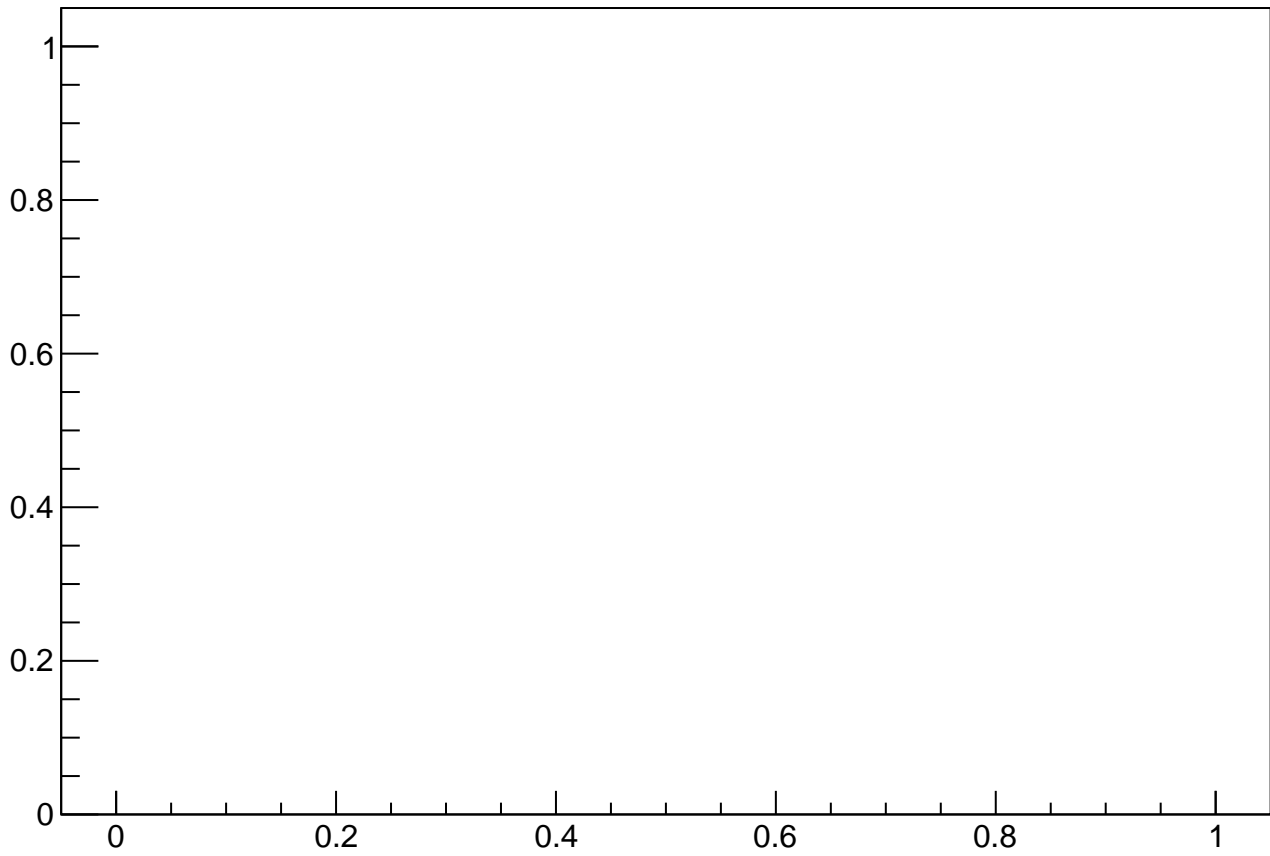
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usr\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

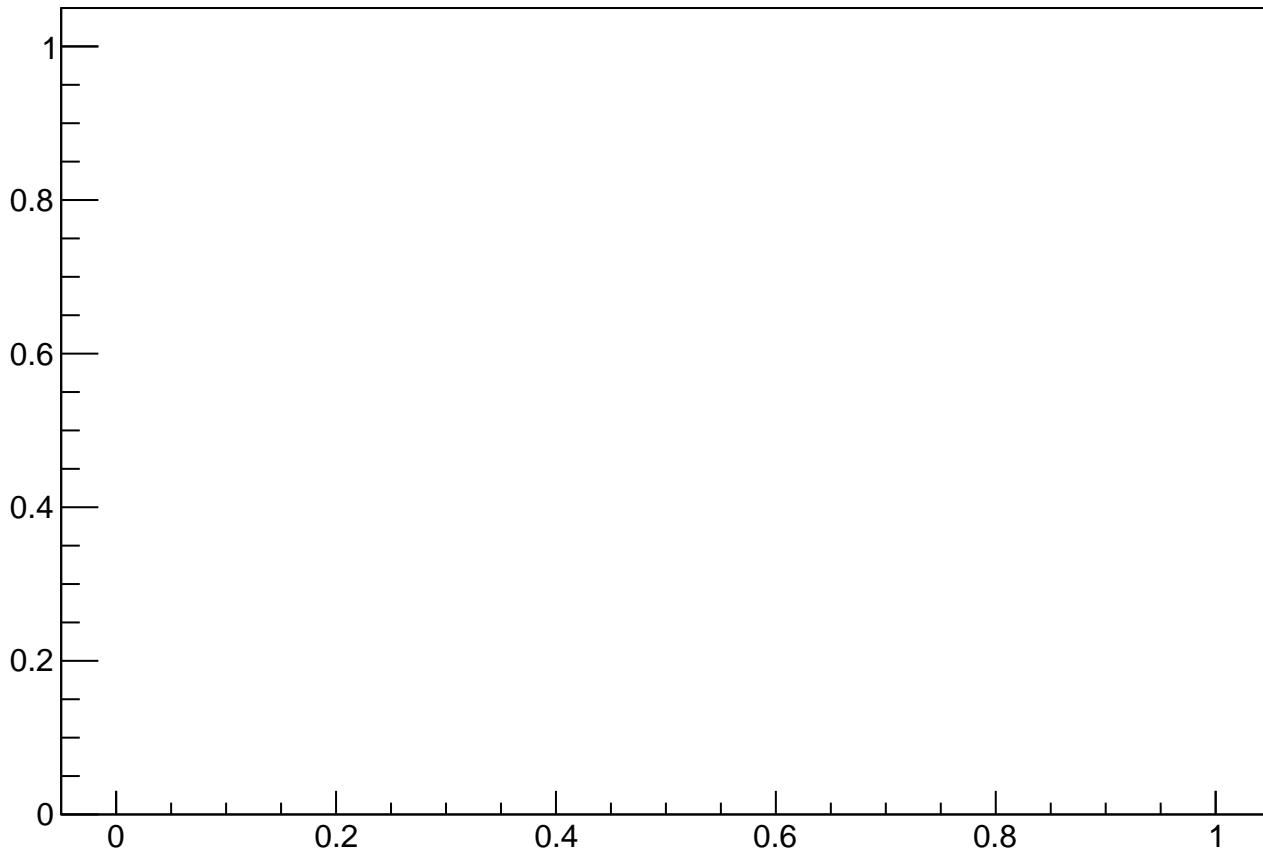
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

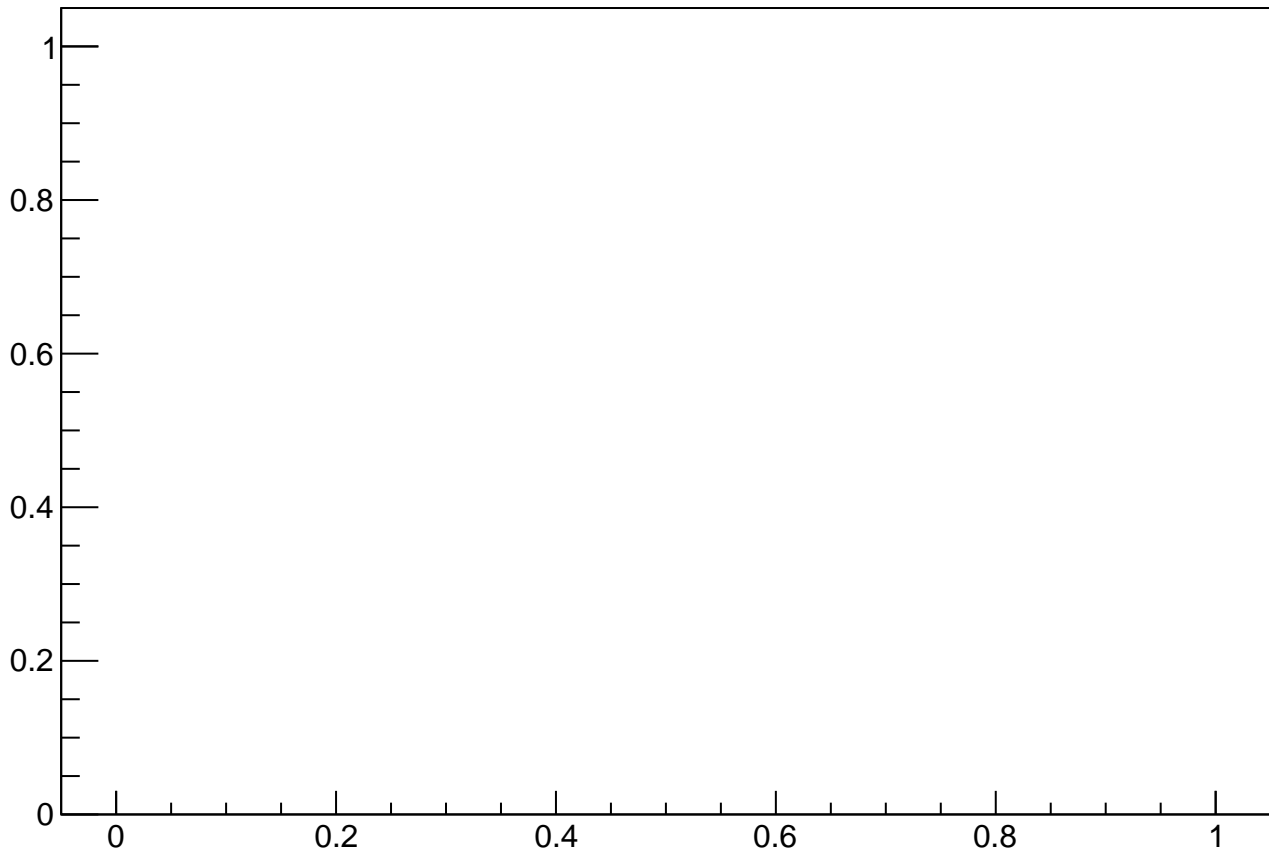
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

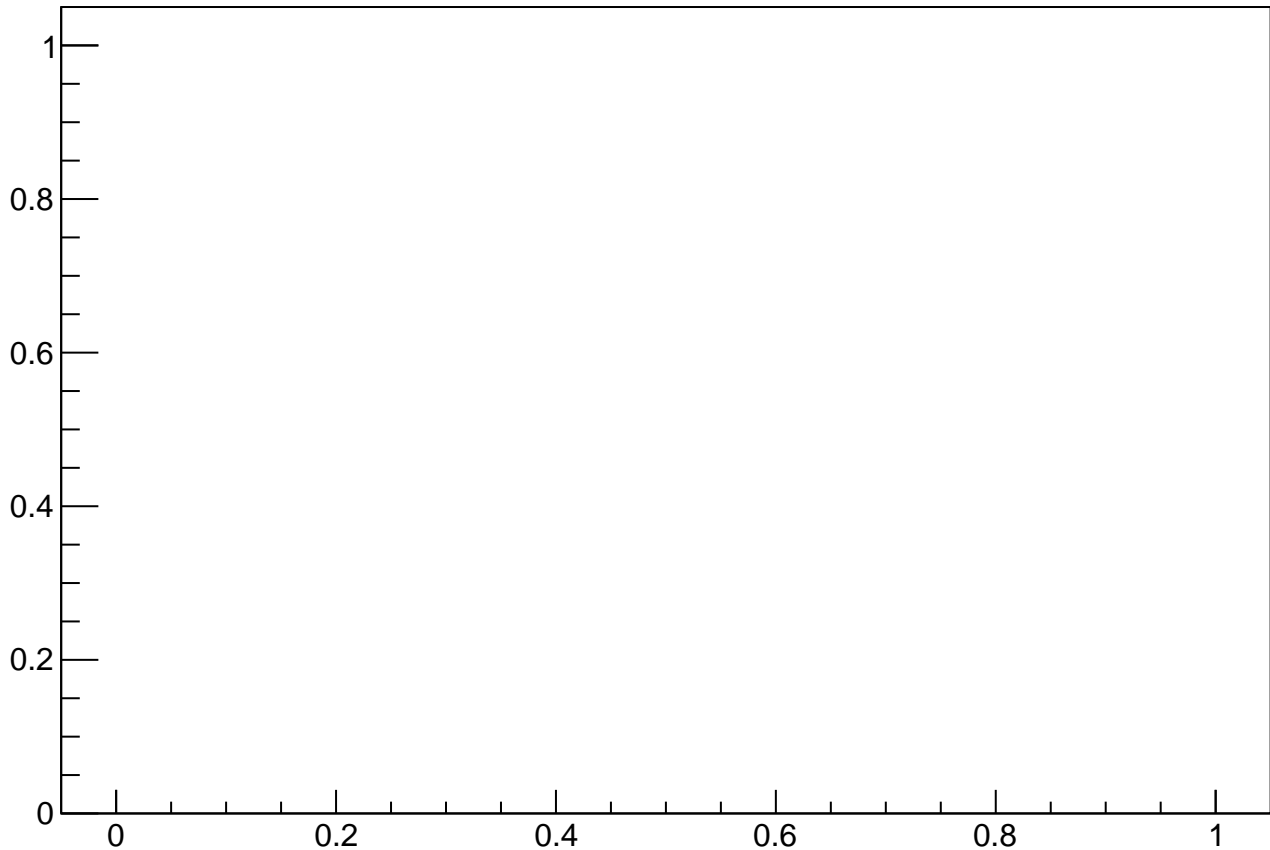
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

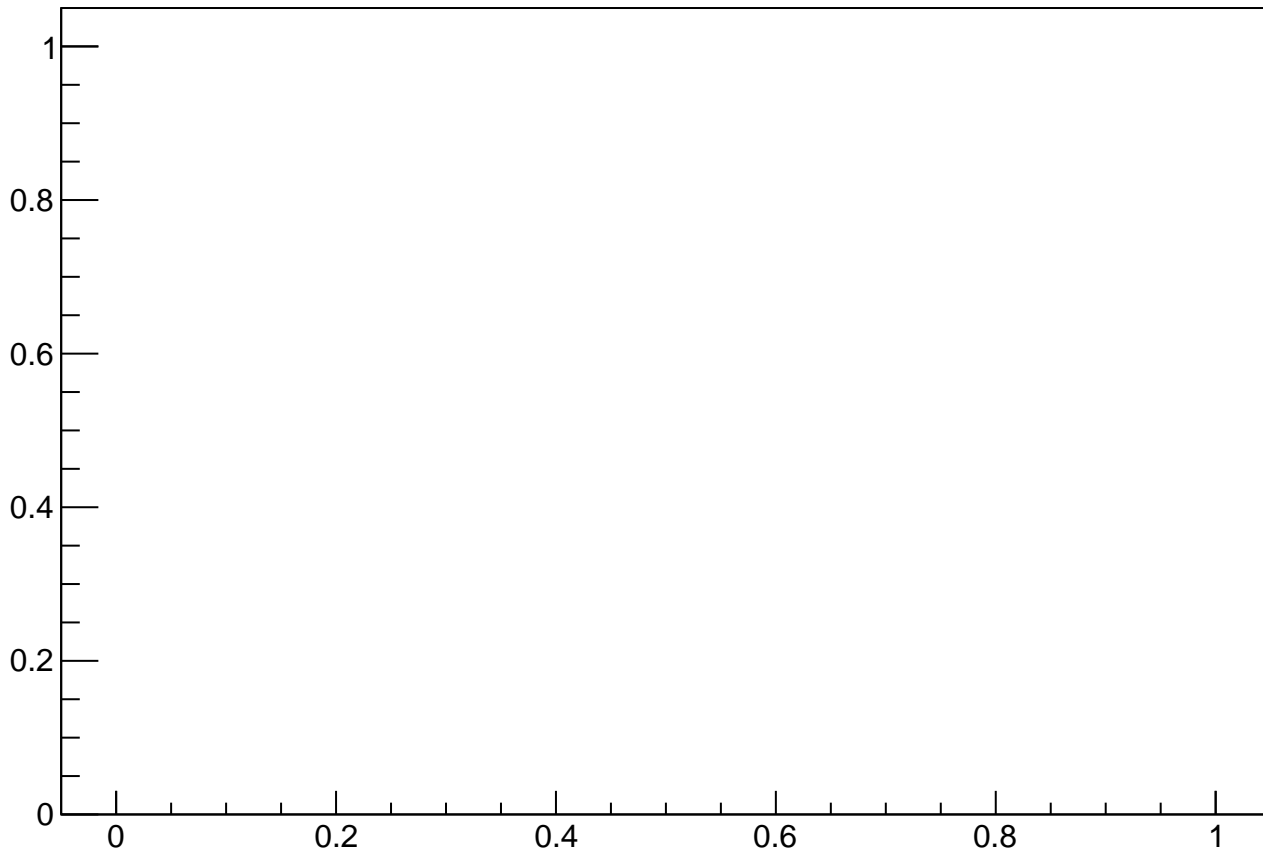
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

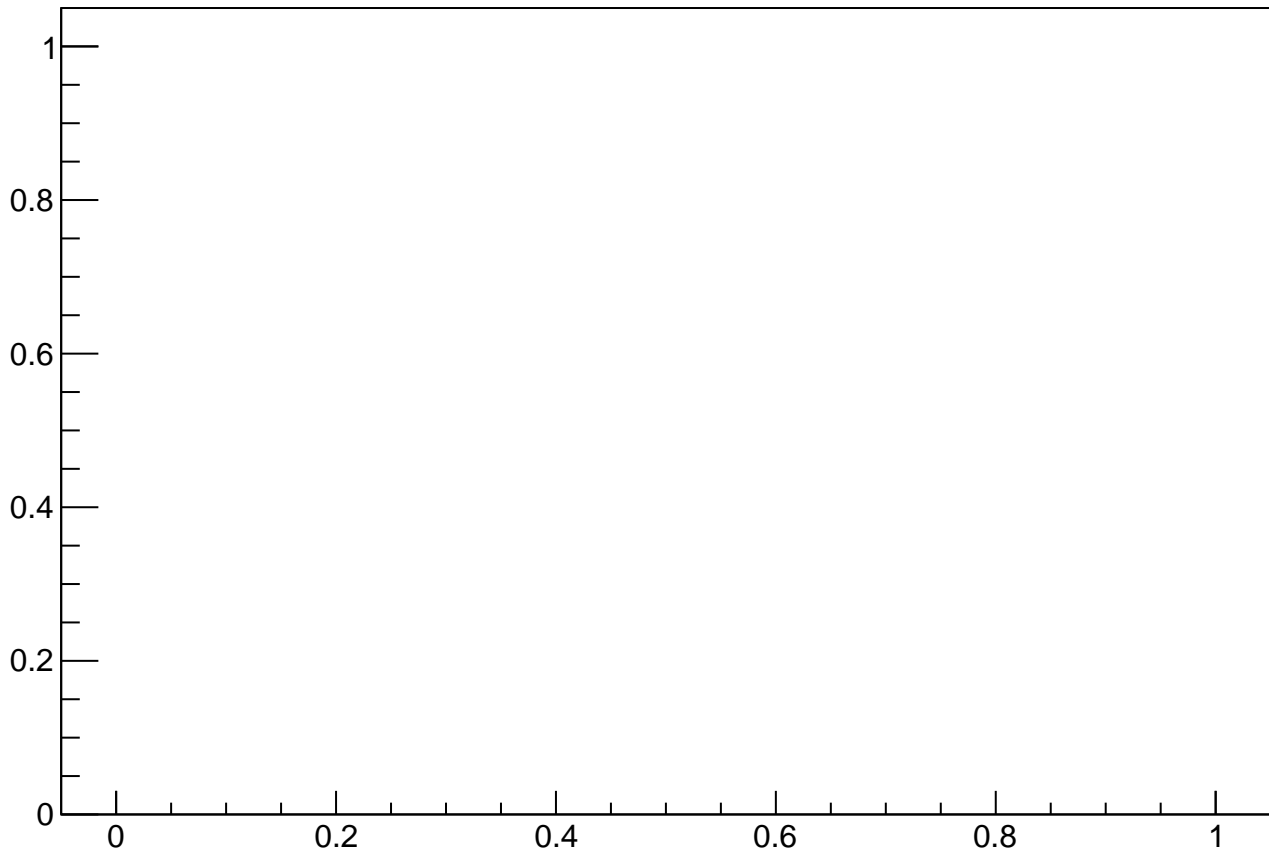
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

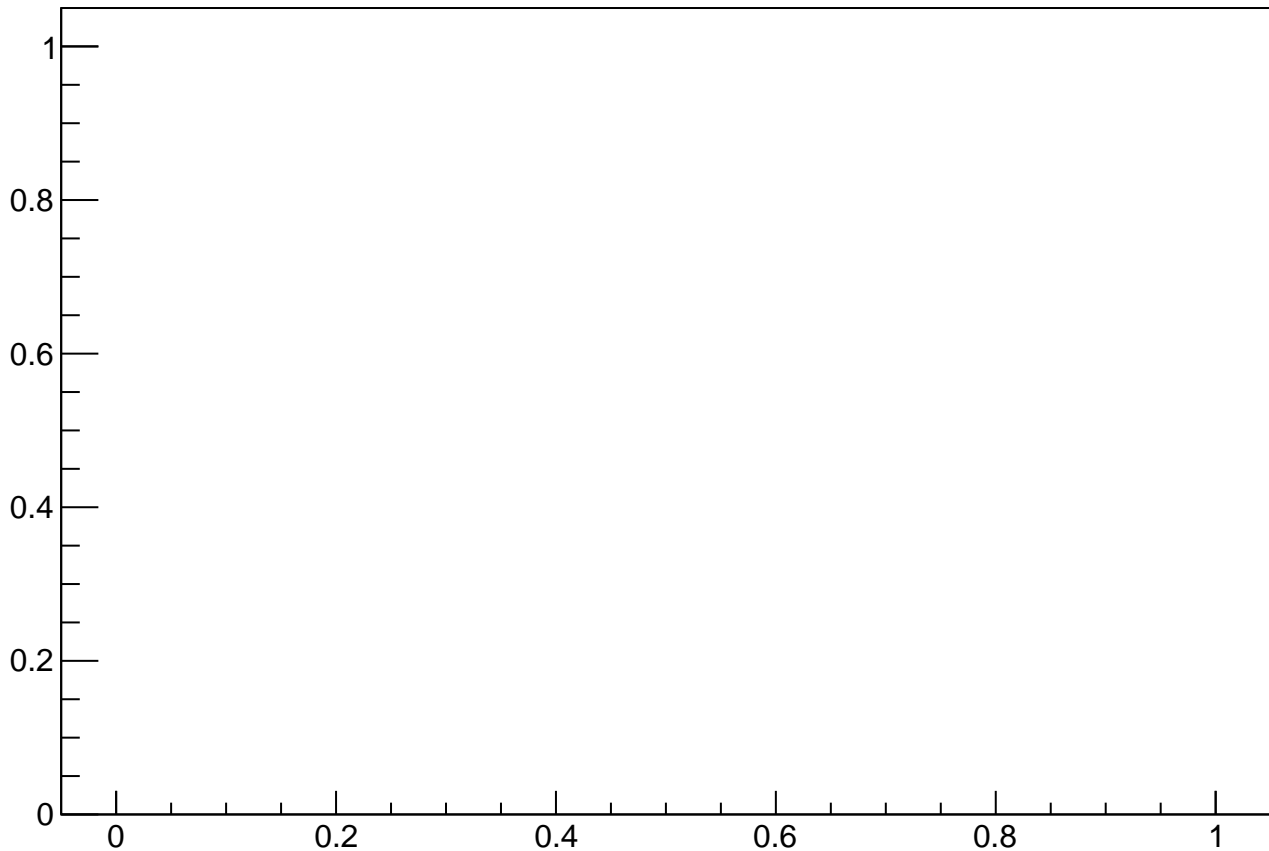
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

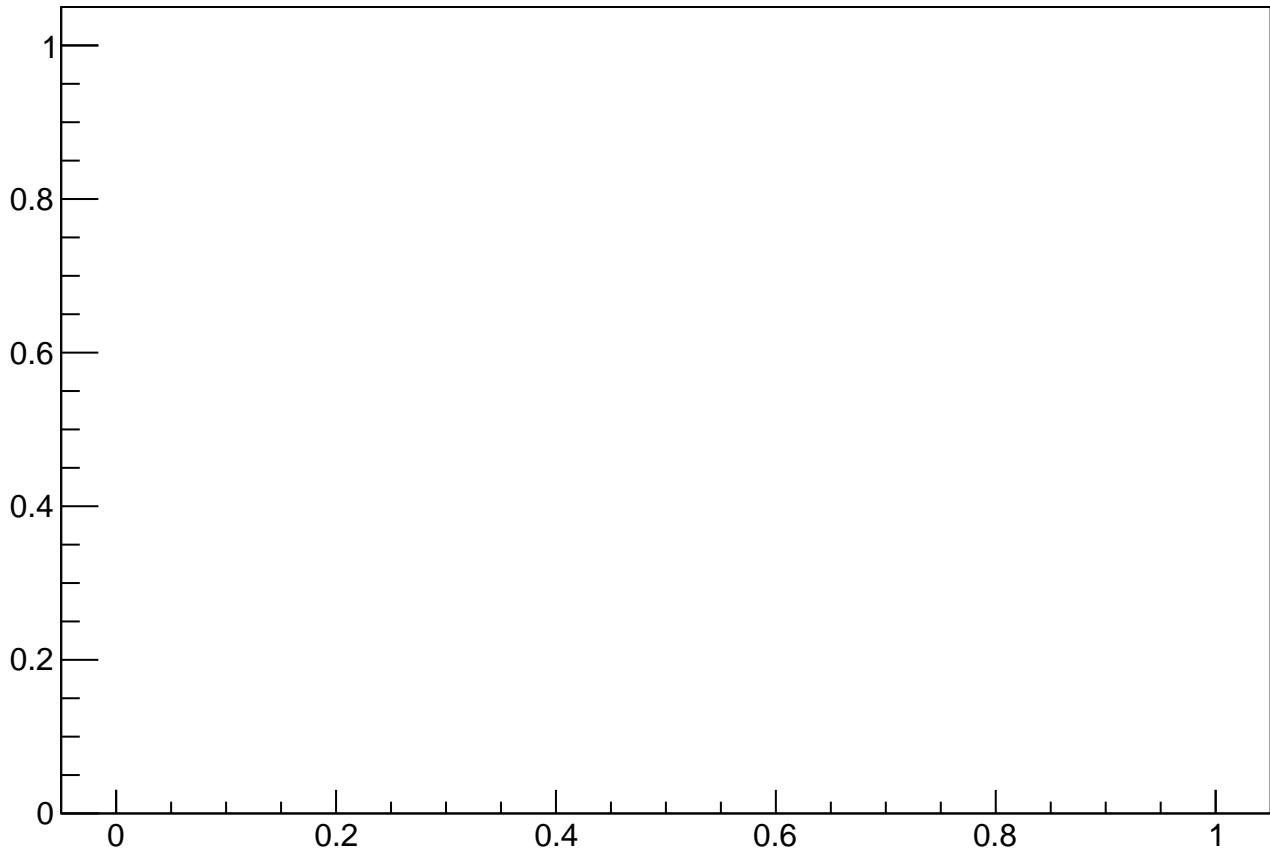
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

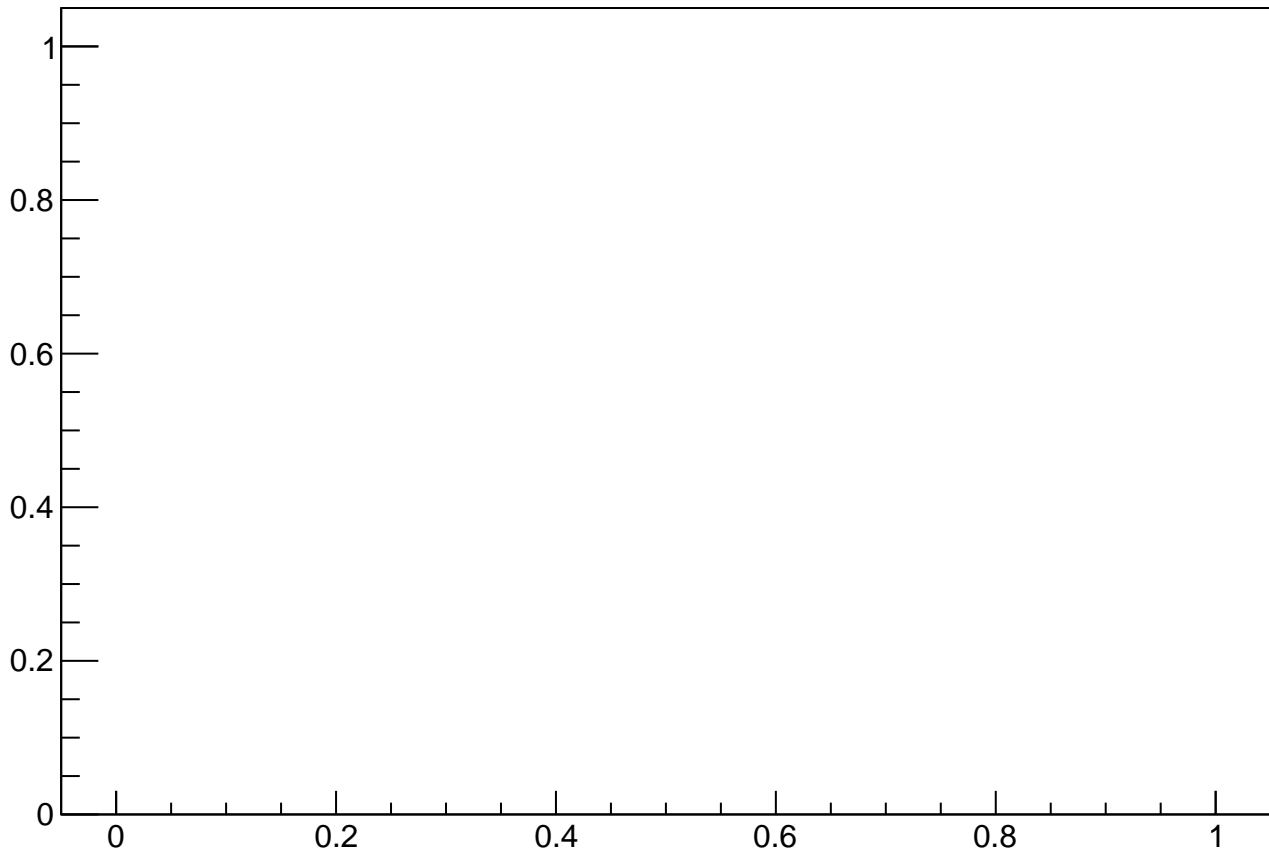
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

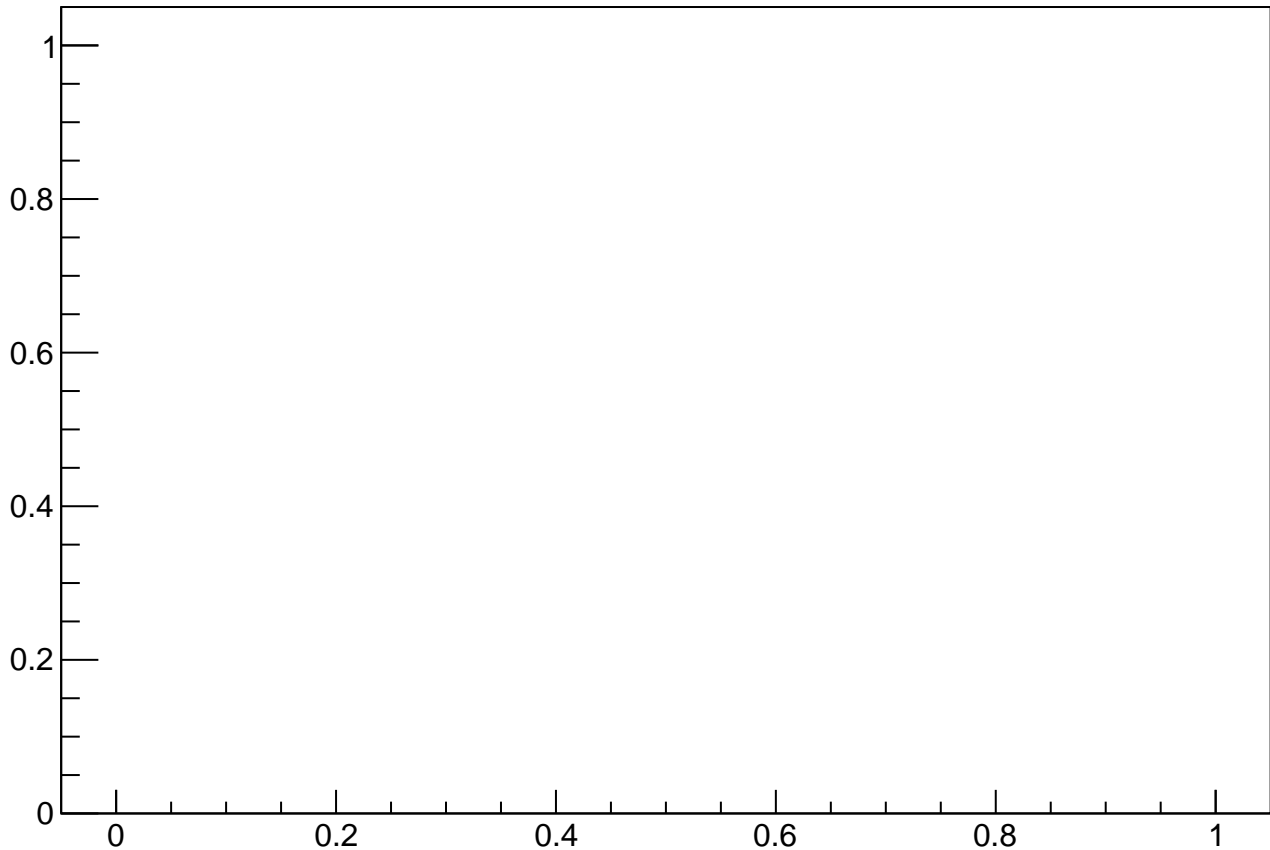
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

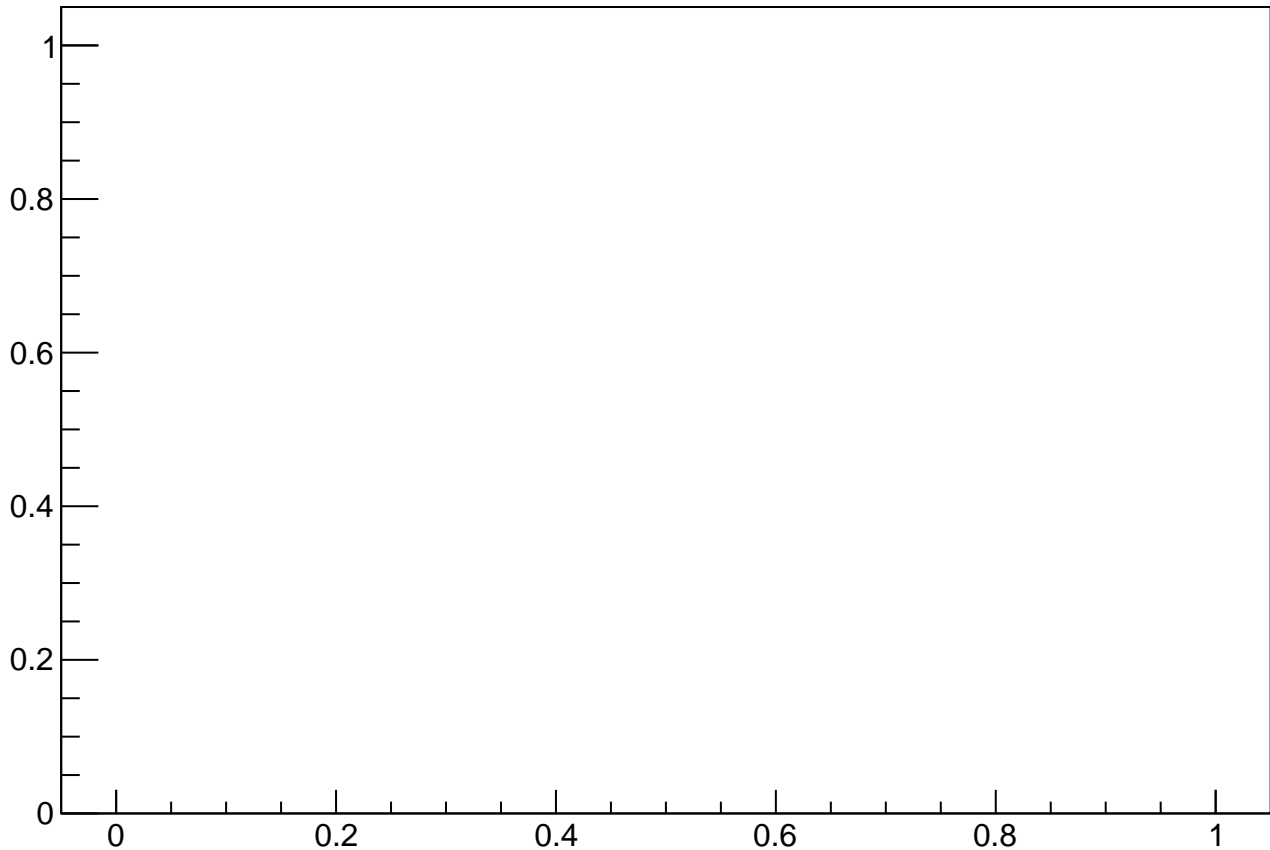
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

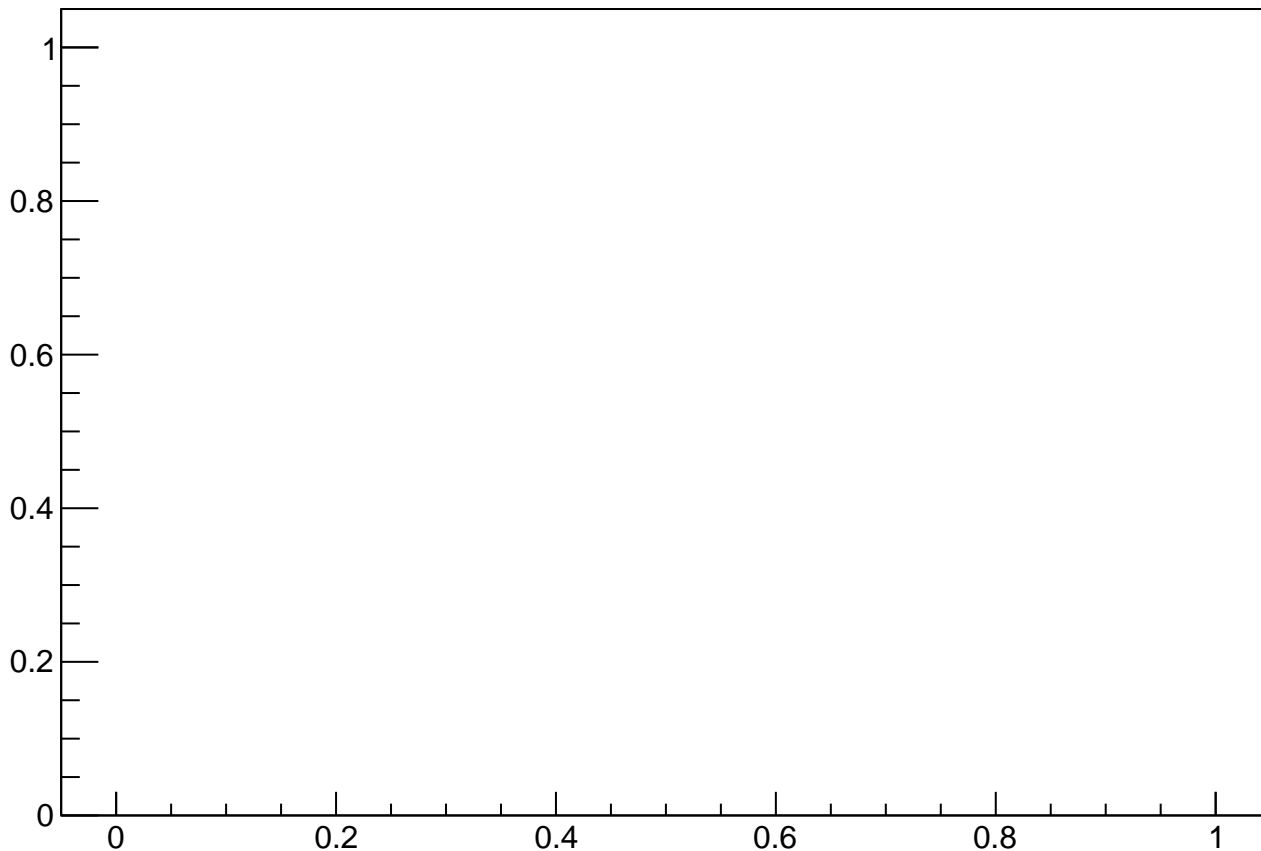
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

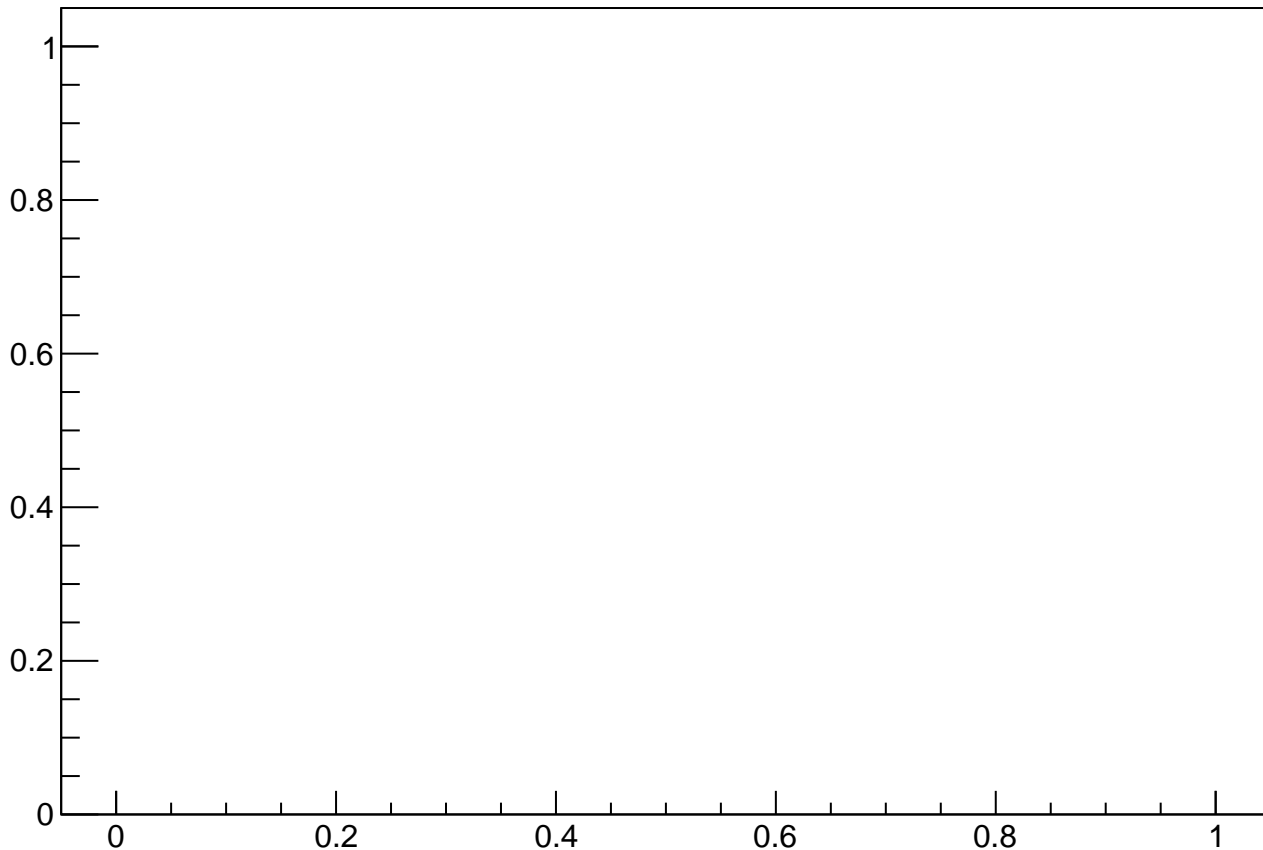
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam1\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

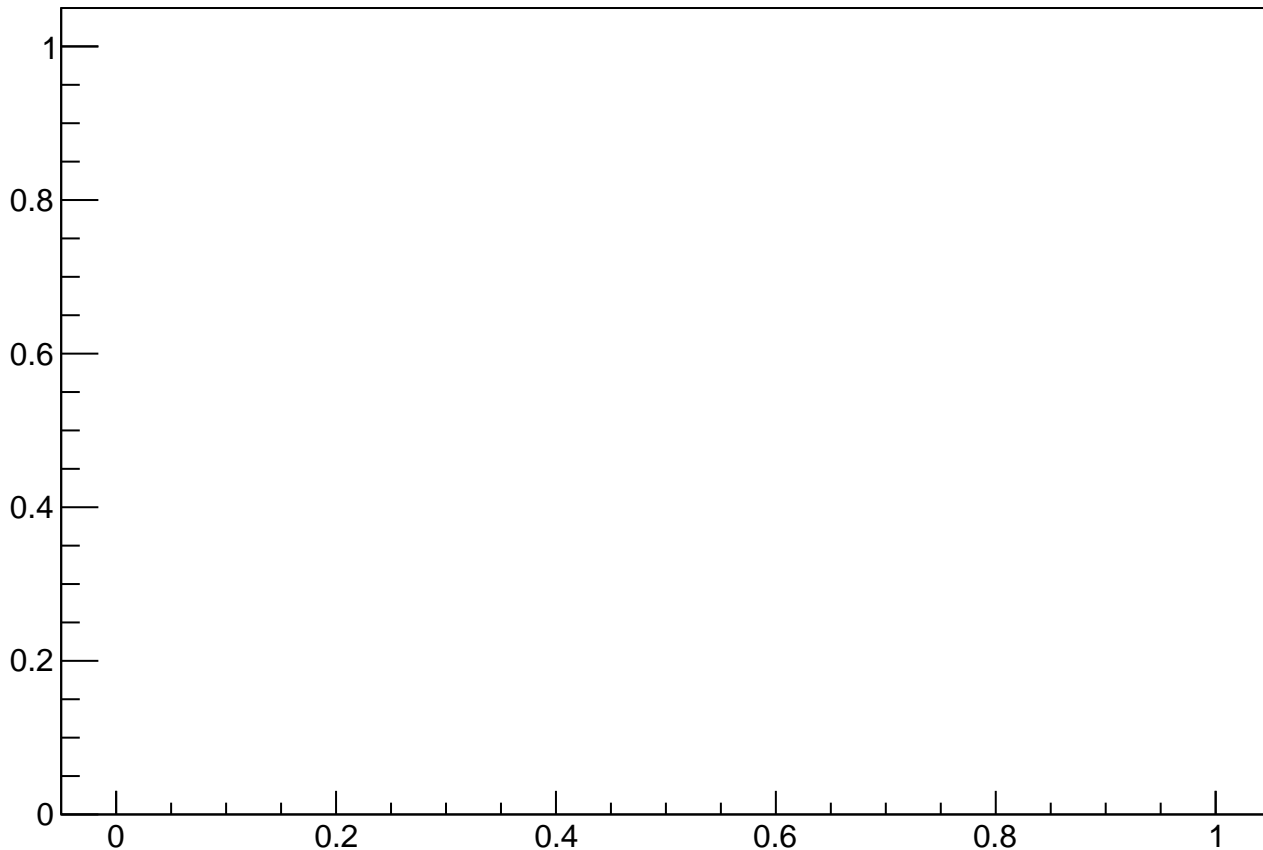
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

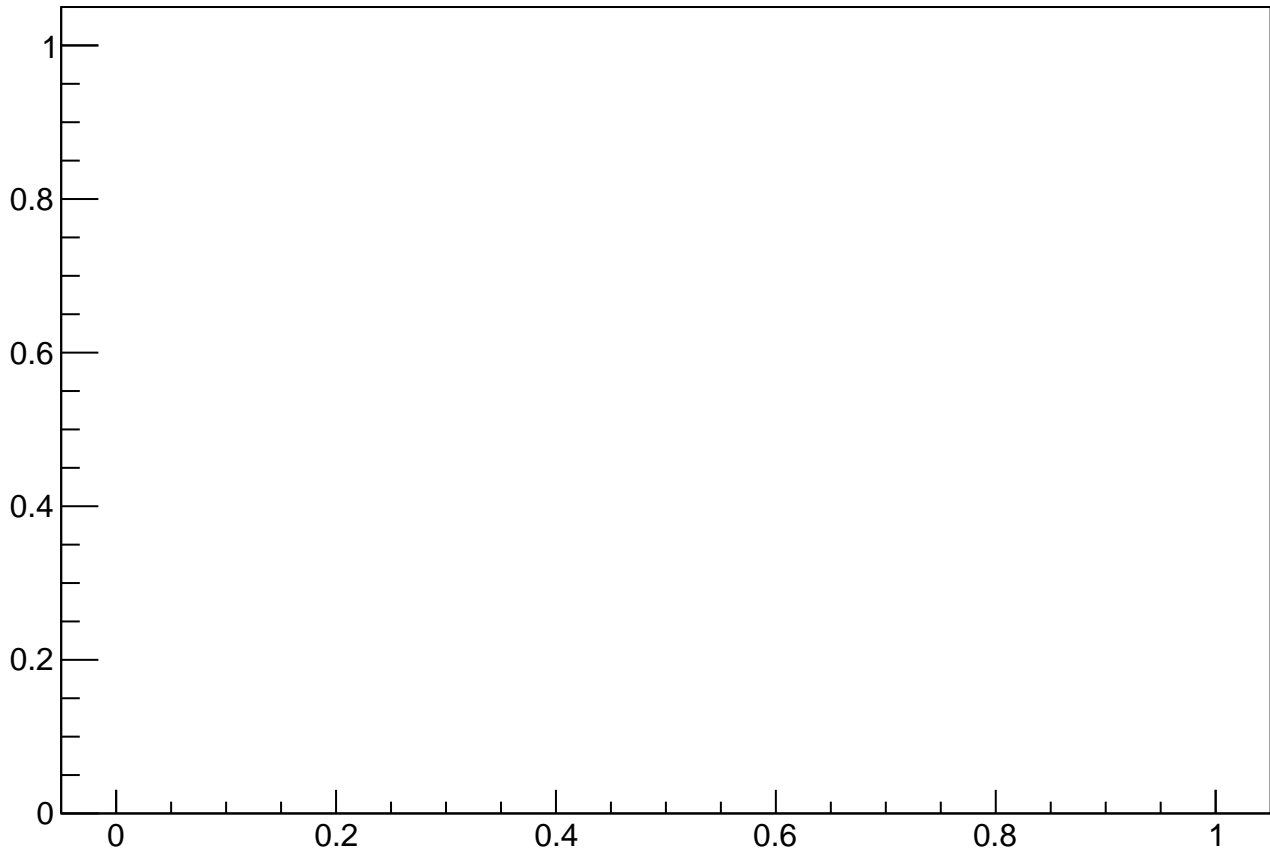
# dit\_sam1\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

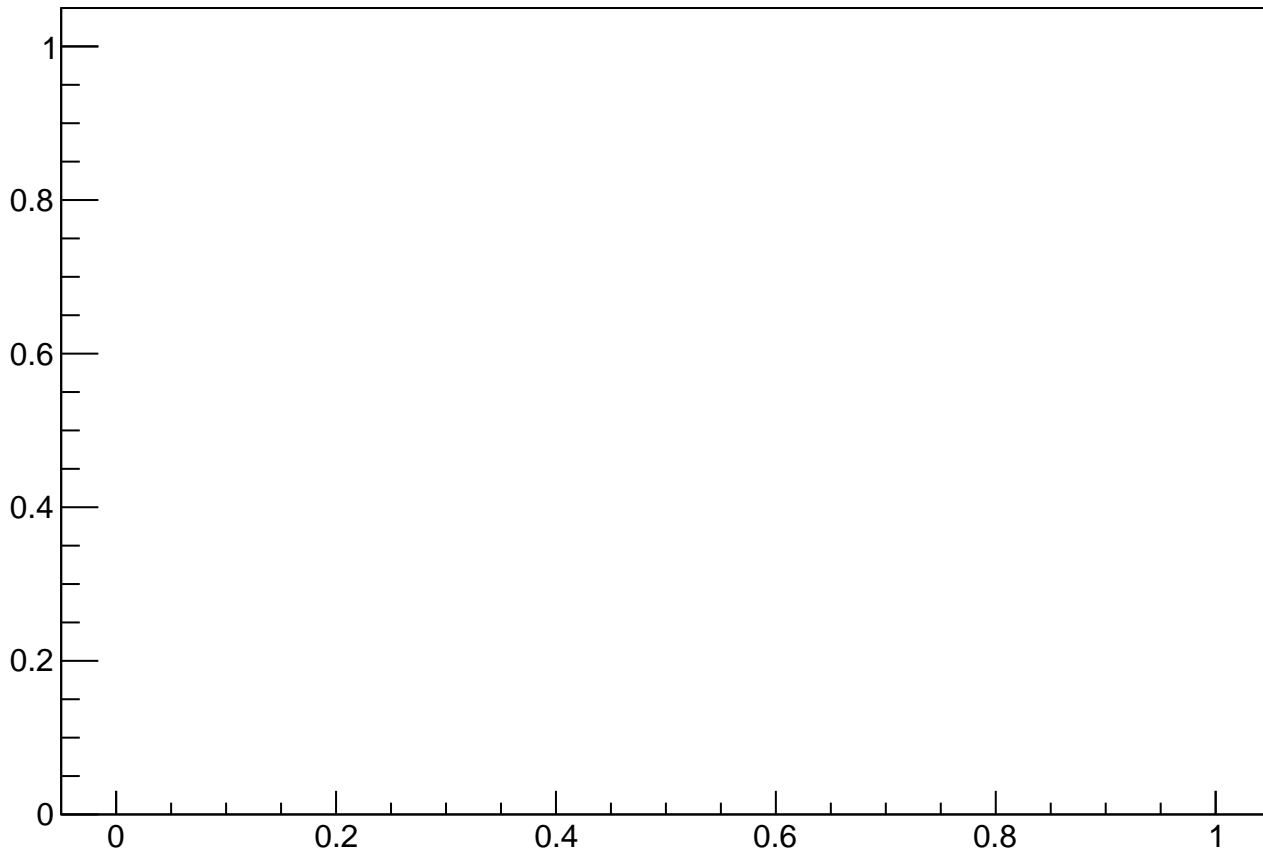
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

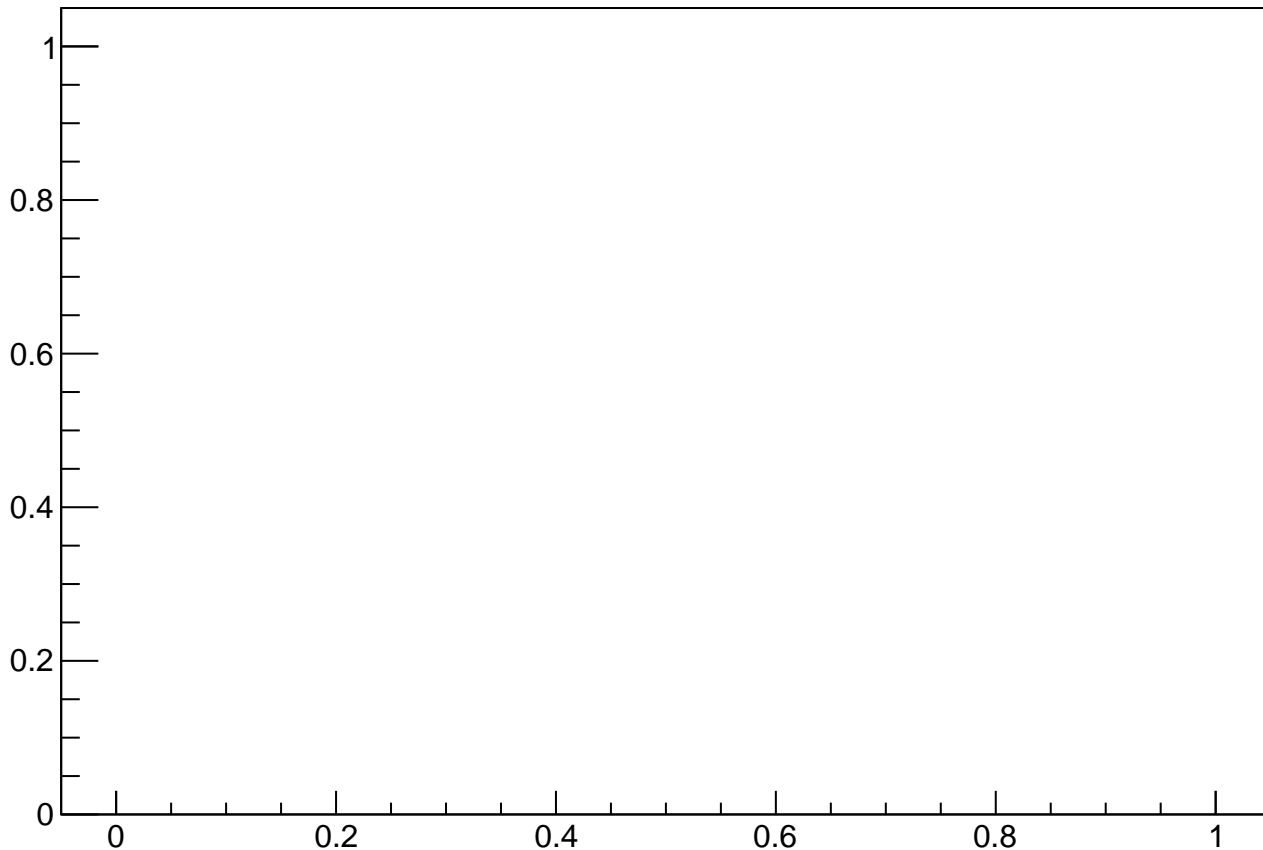
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

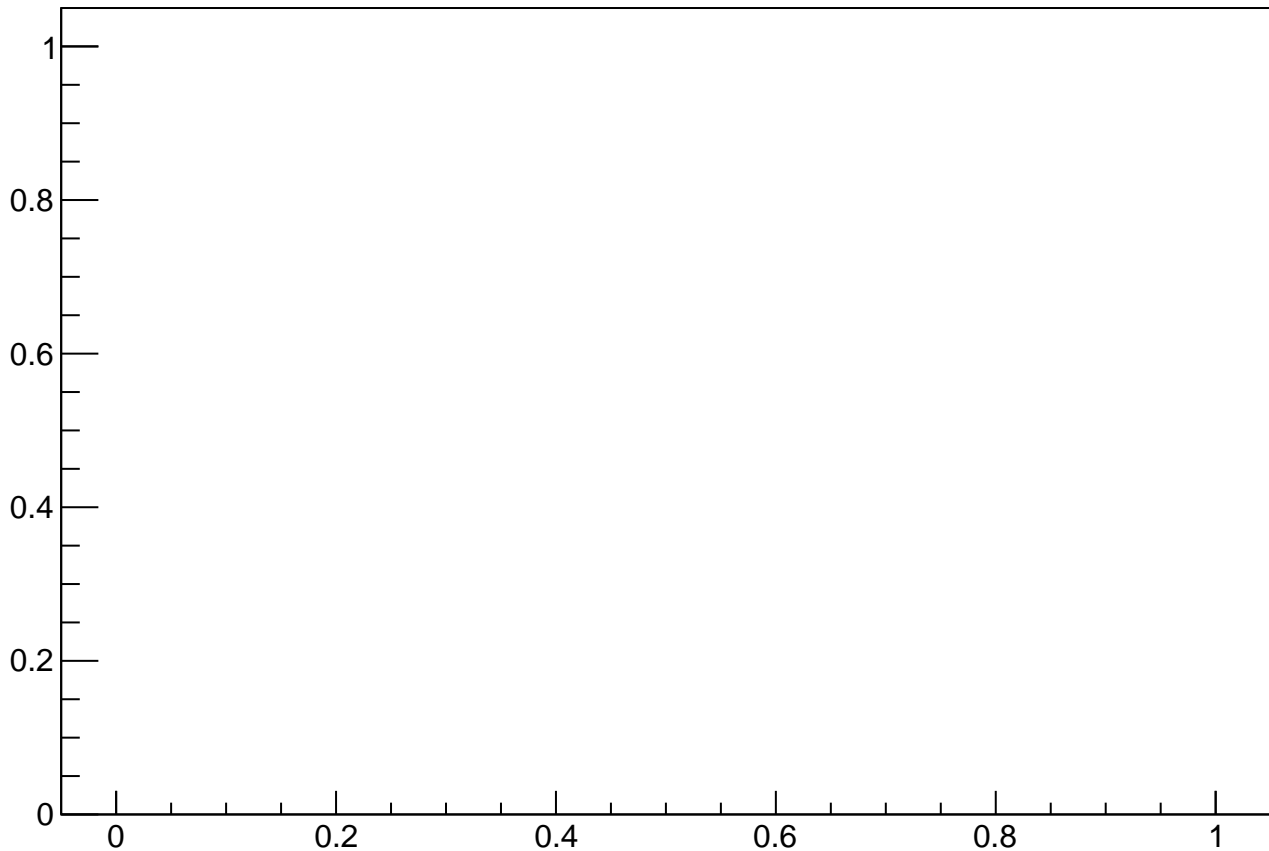
# dit\_sam2\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

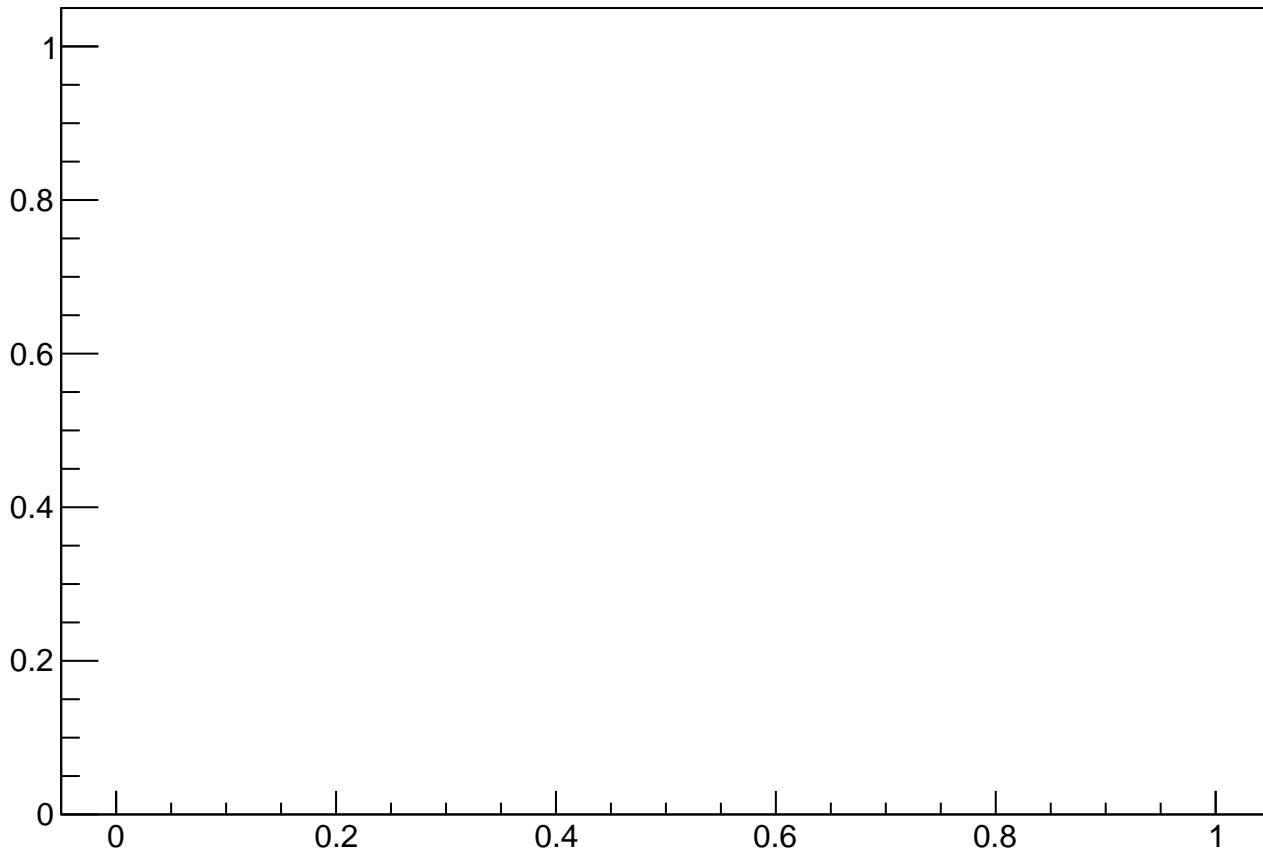
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

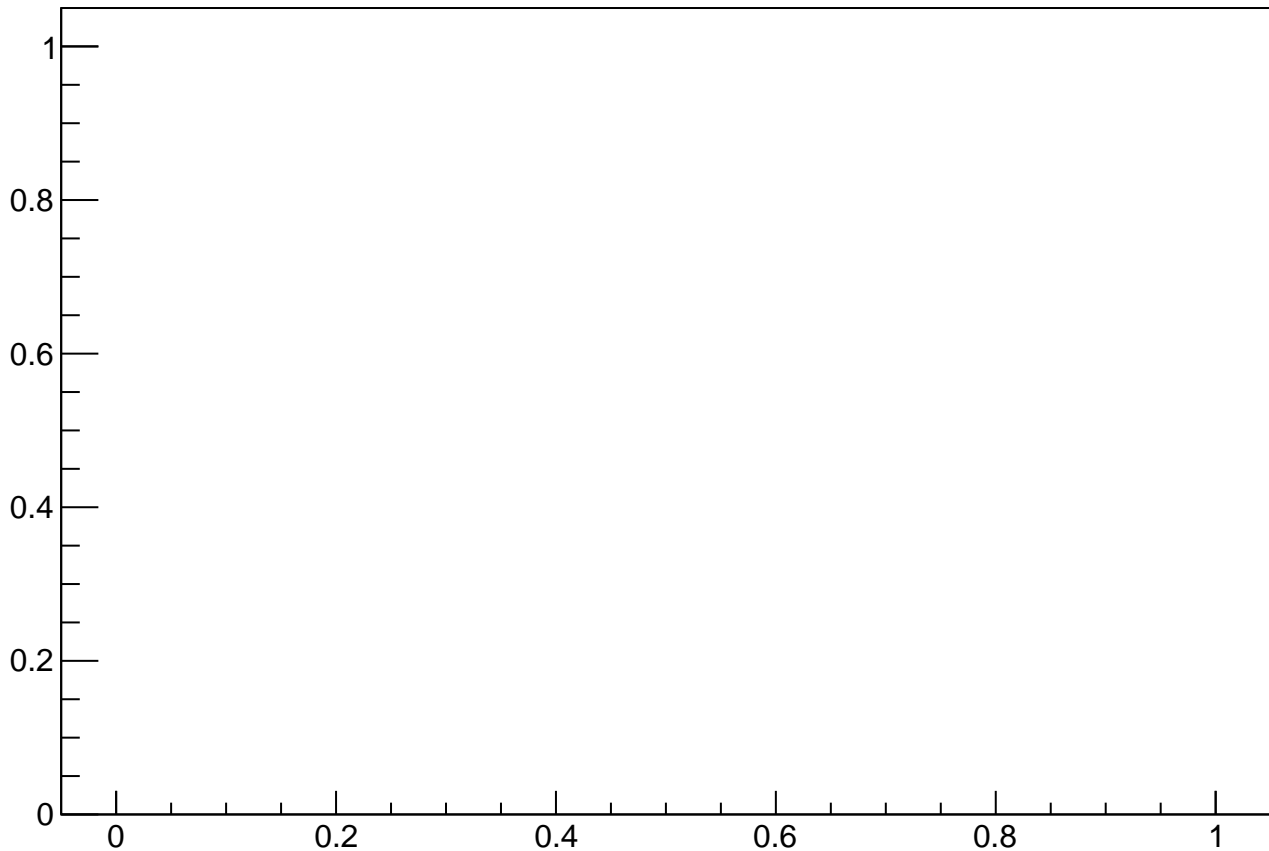
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam4\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

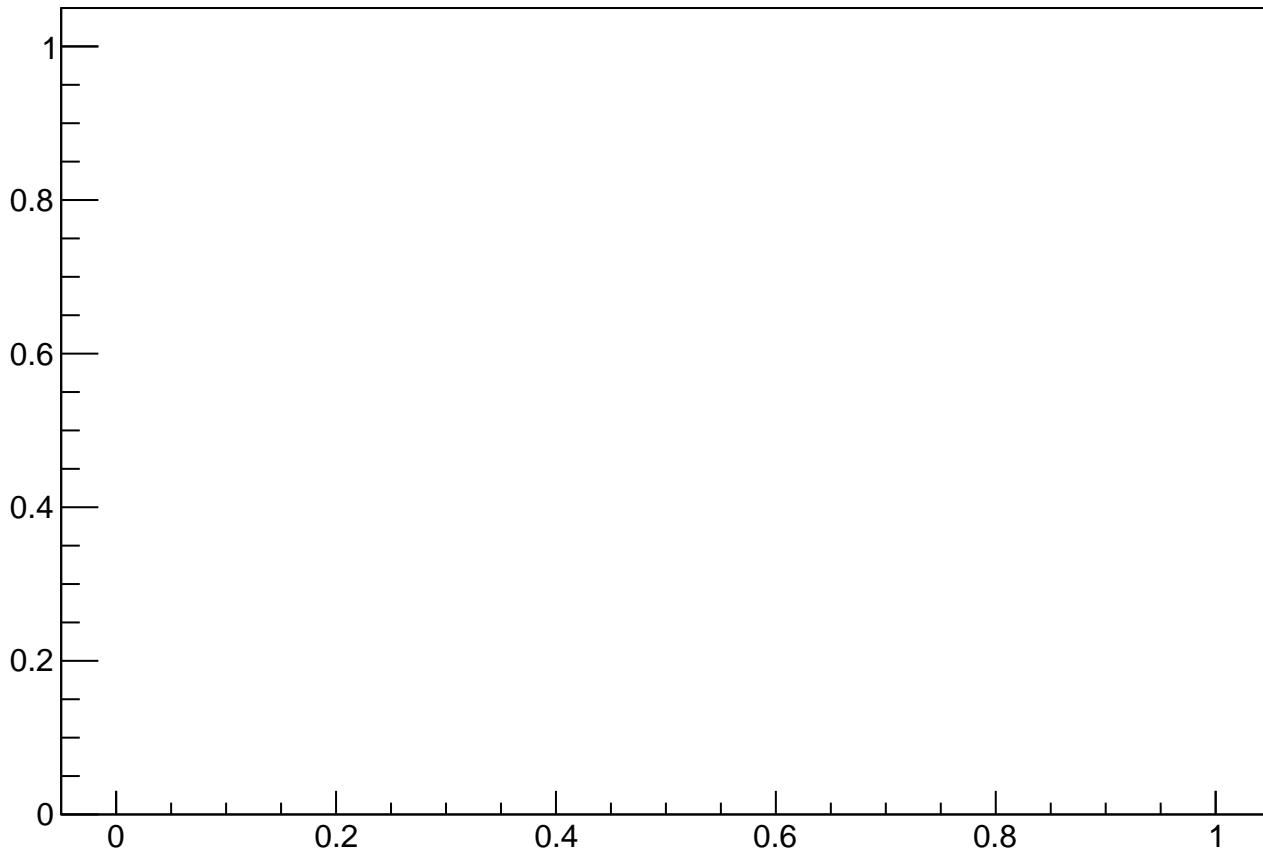
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

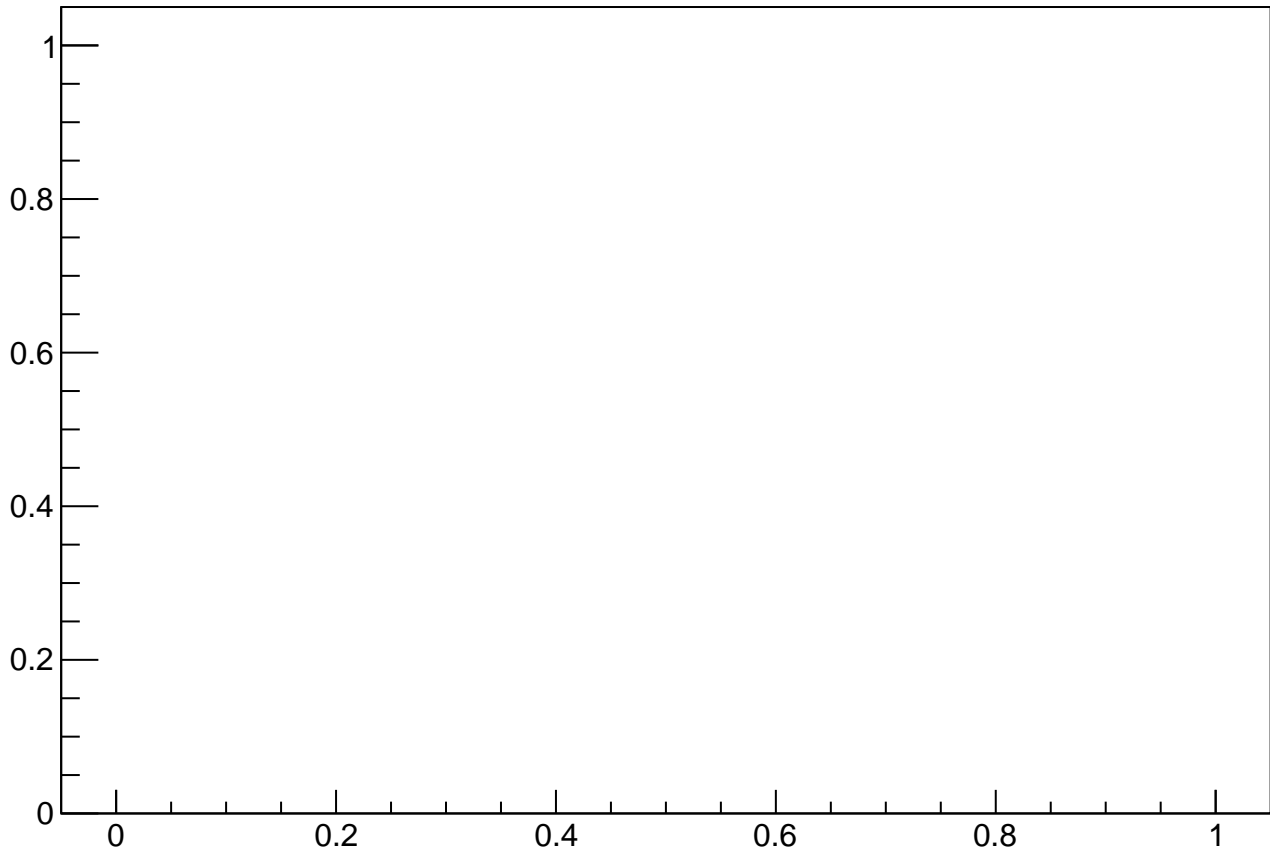
# dit\_sam4\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

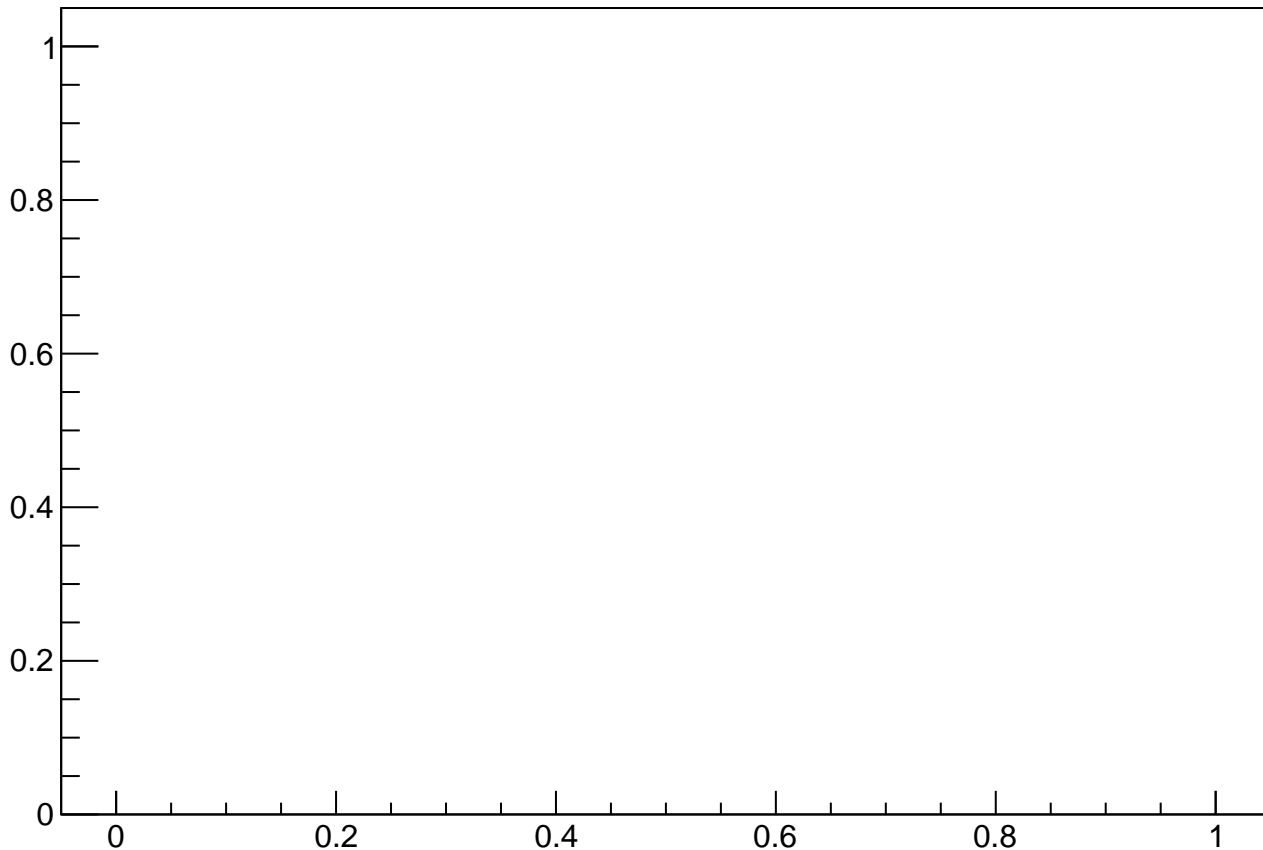
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

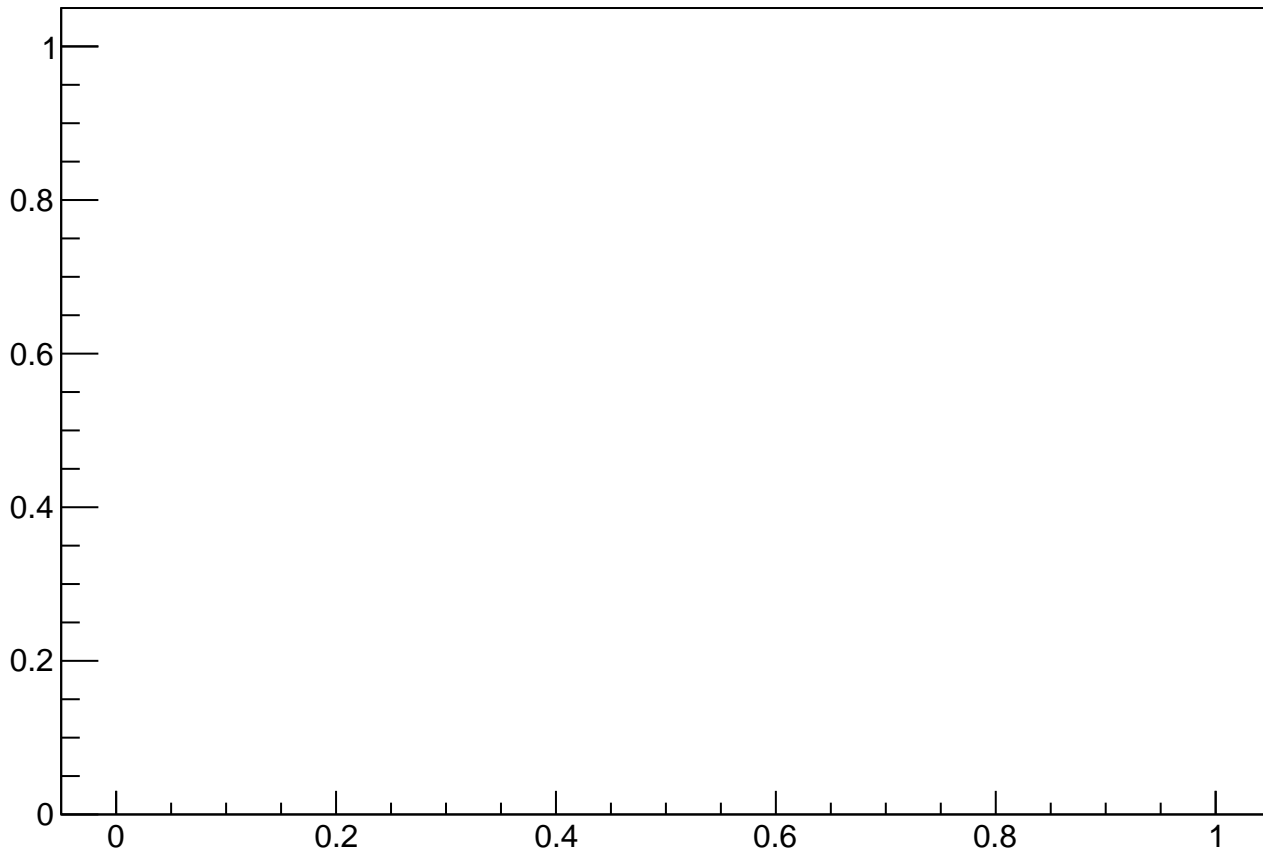
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

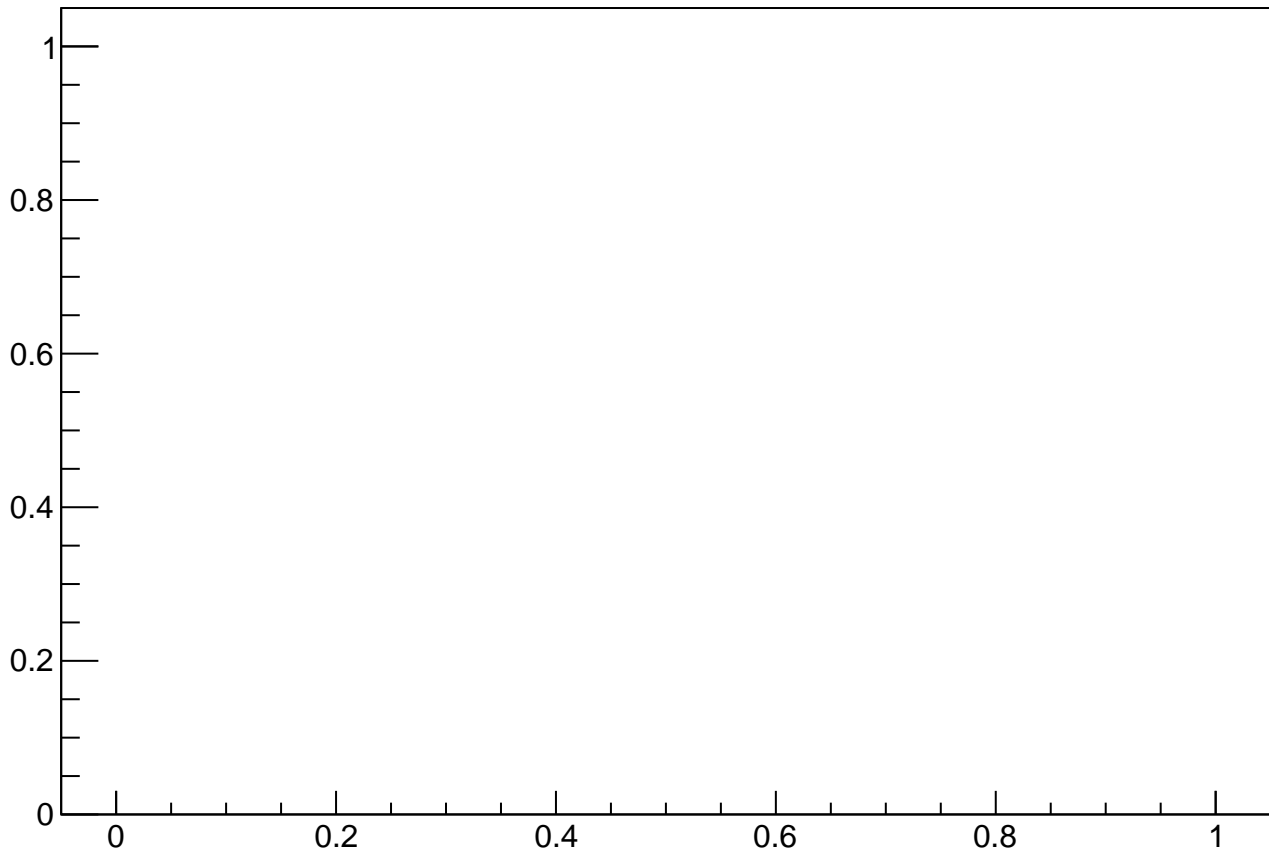
# dit\_sam5\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

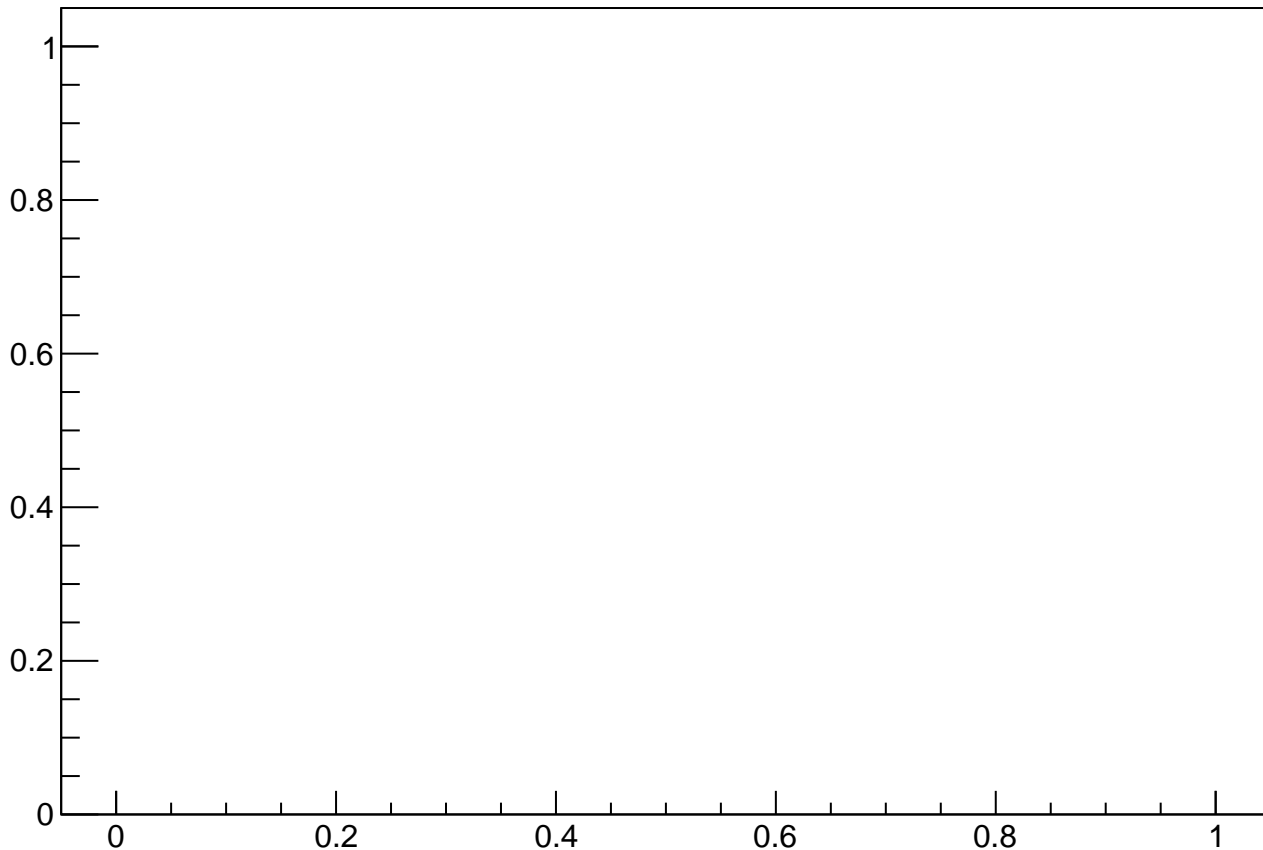
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



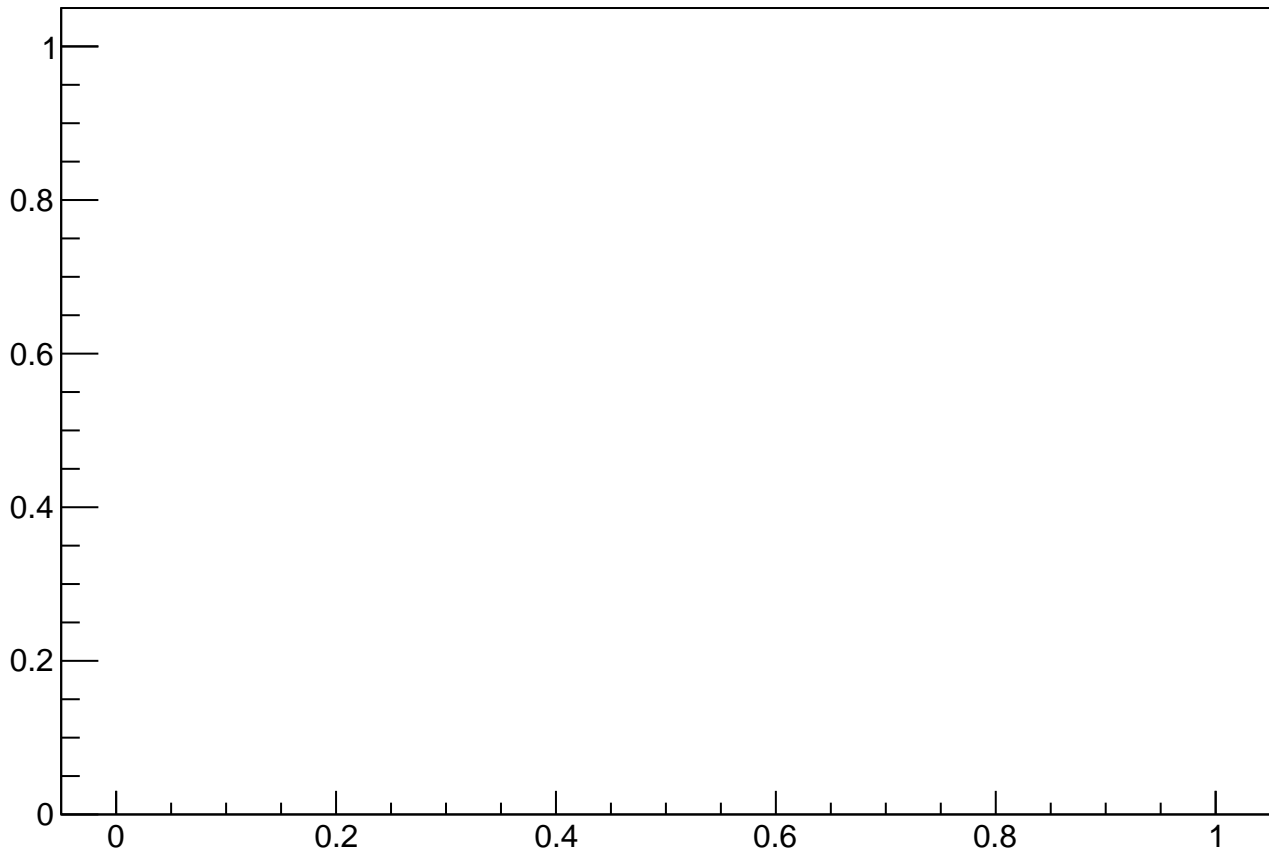
# dit\_sam6\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

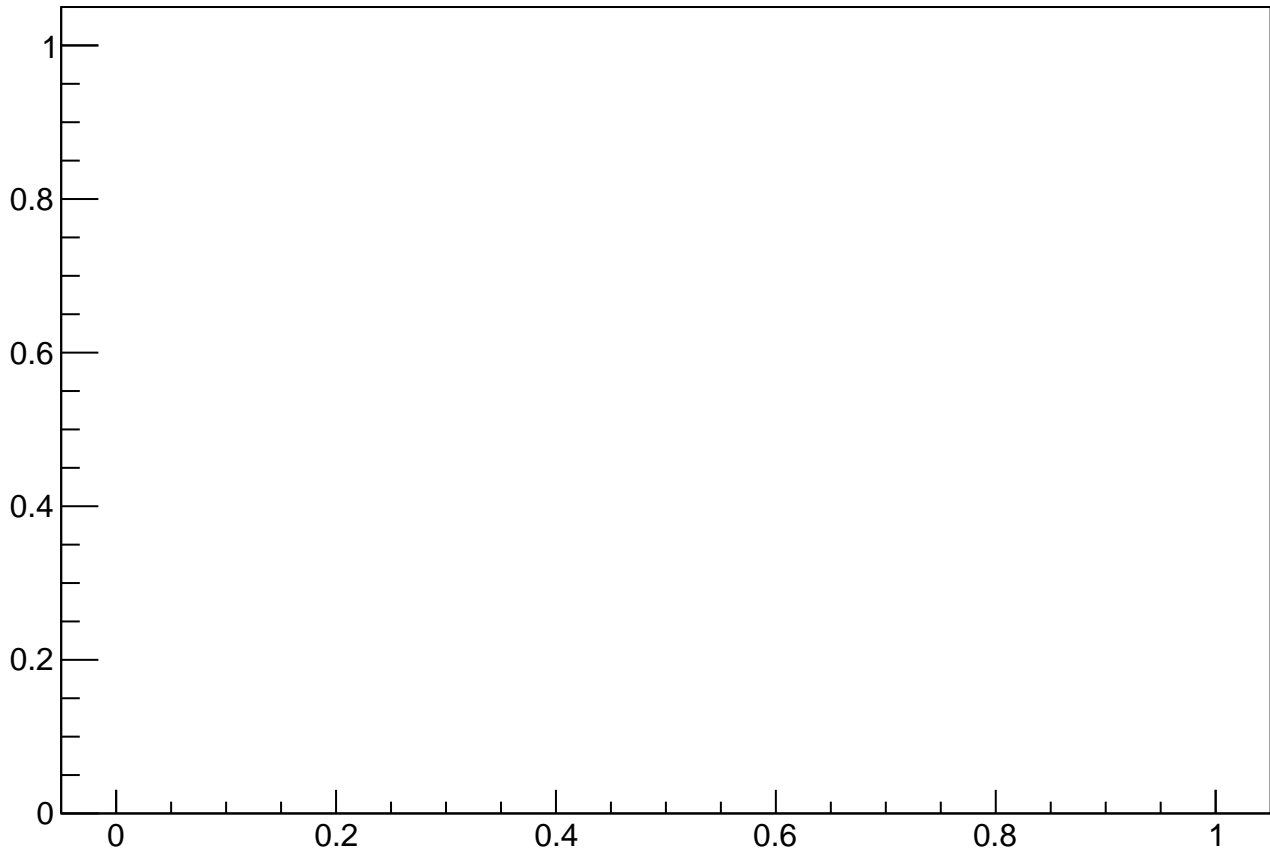
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

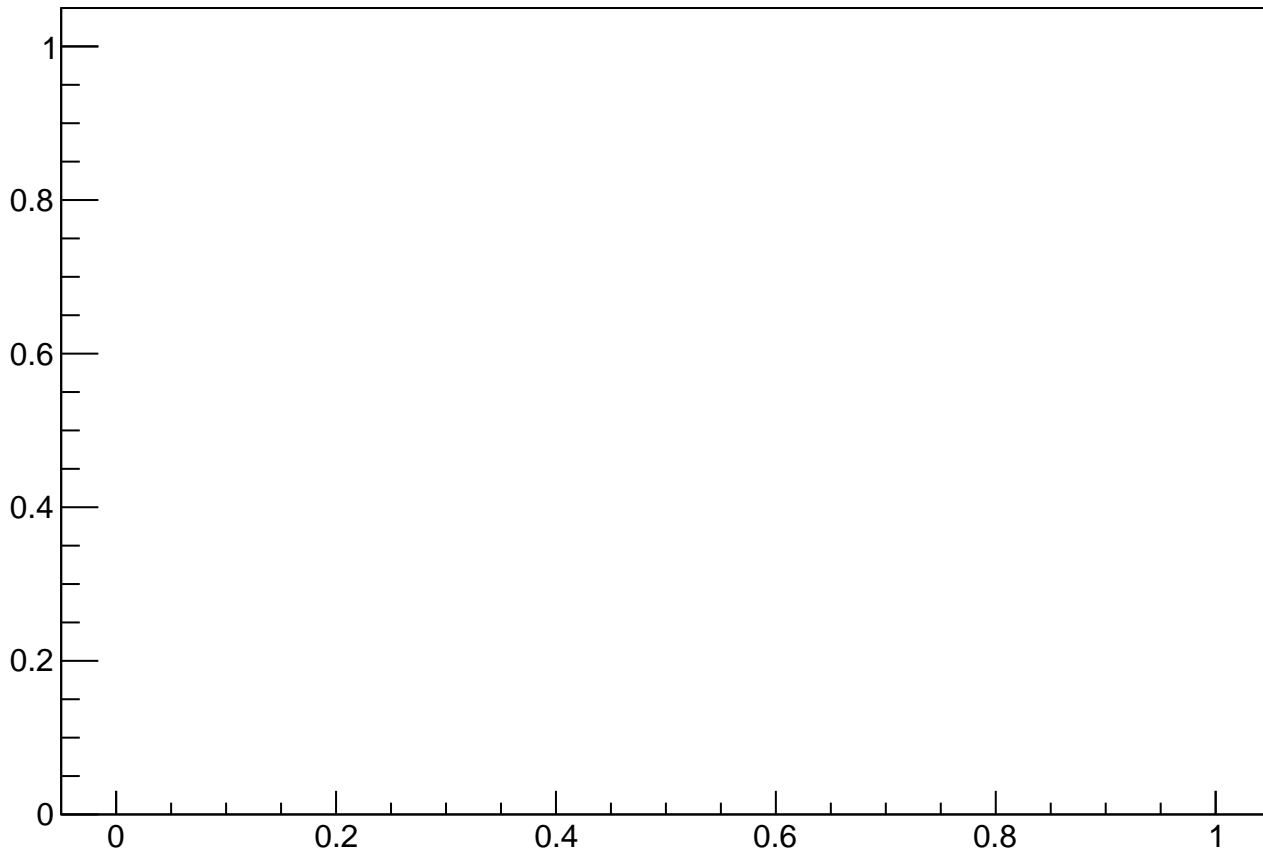
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

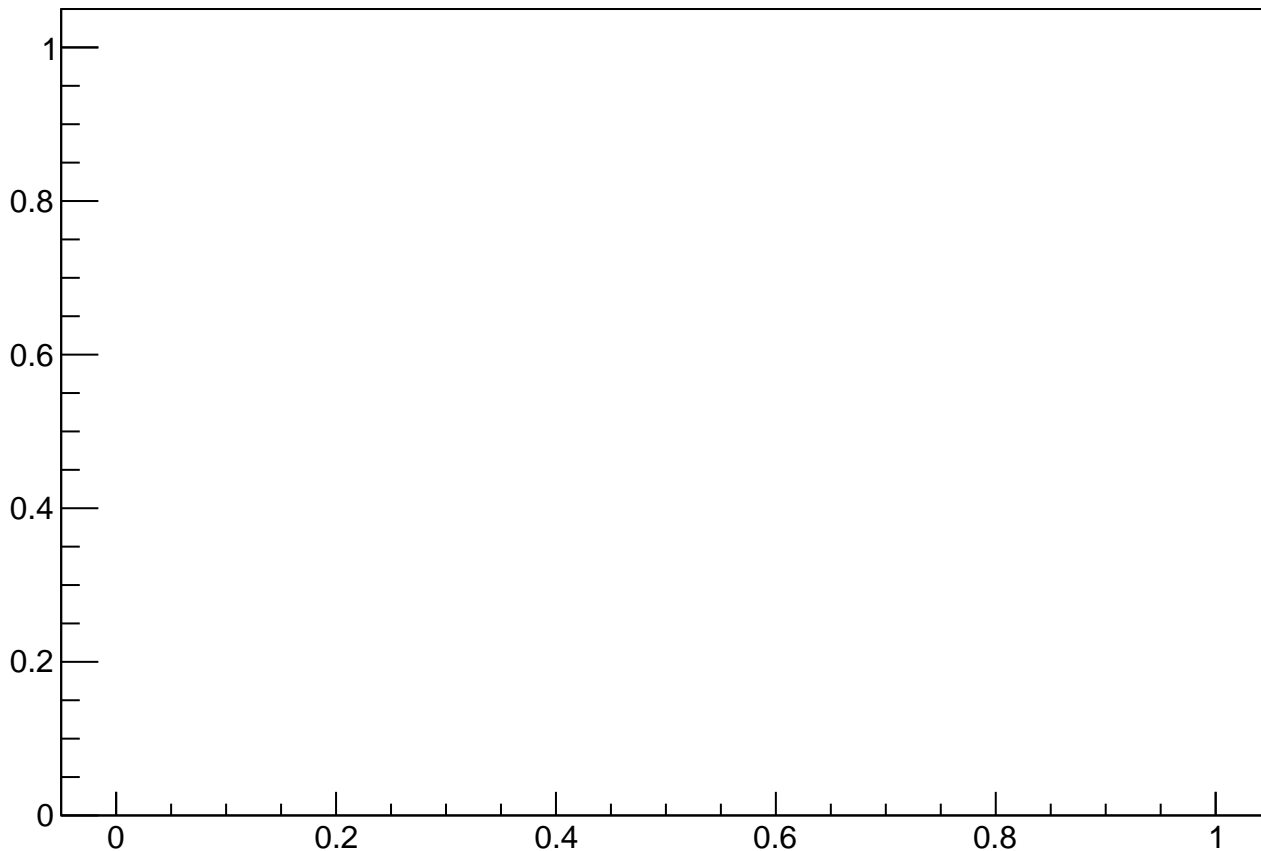
# dit\_sam7\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

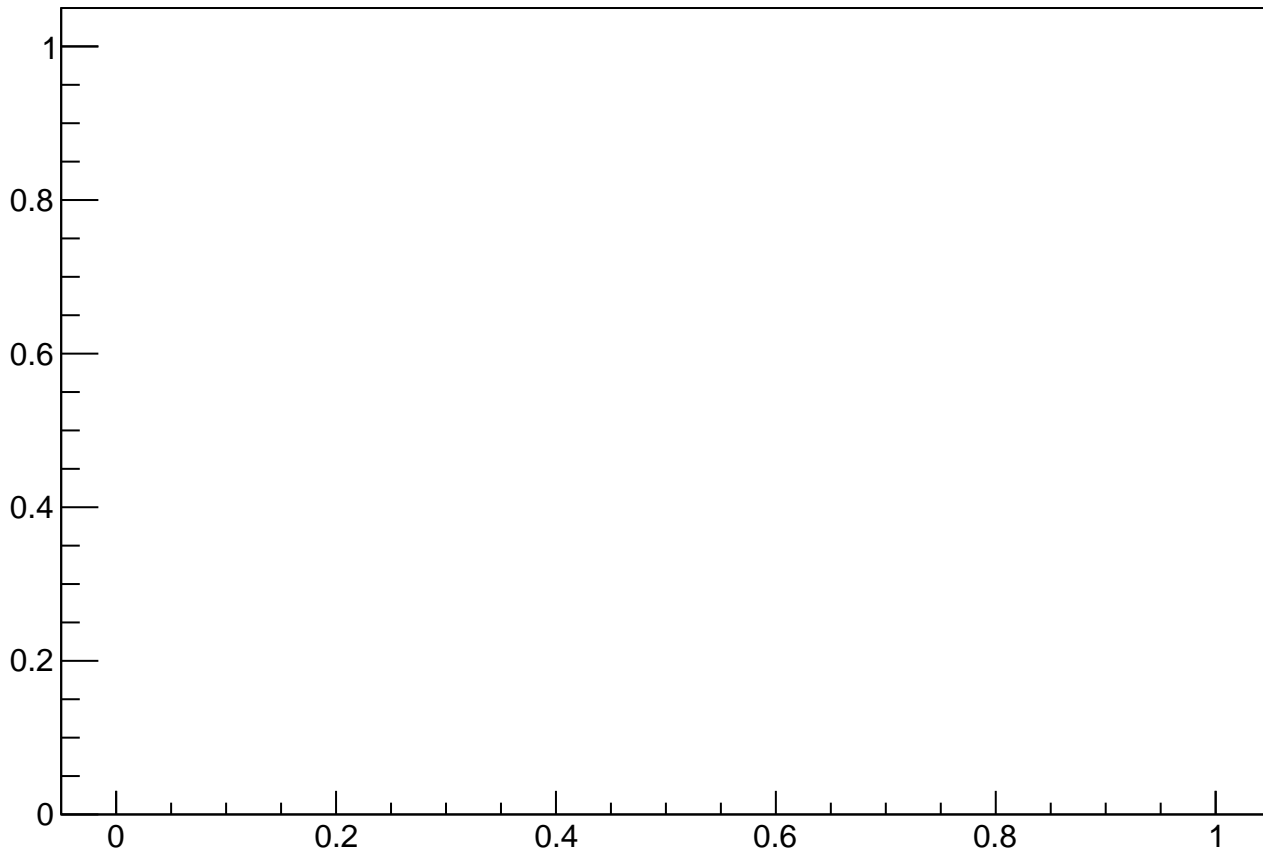
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil1\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

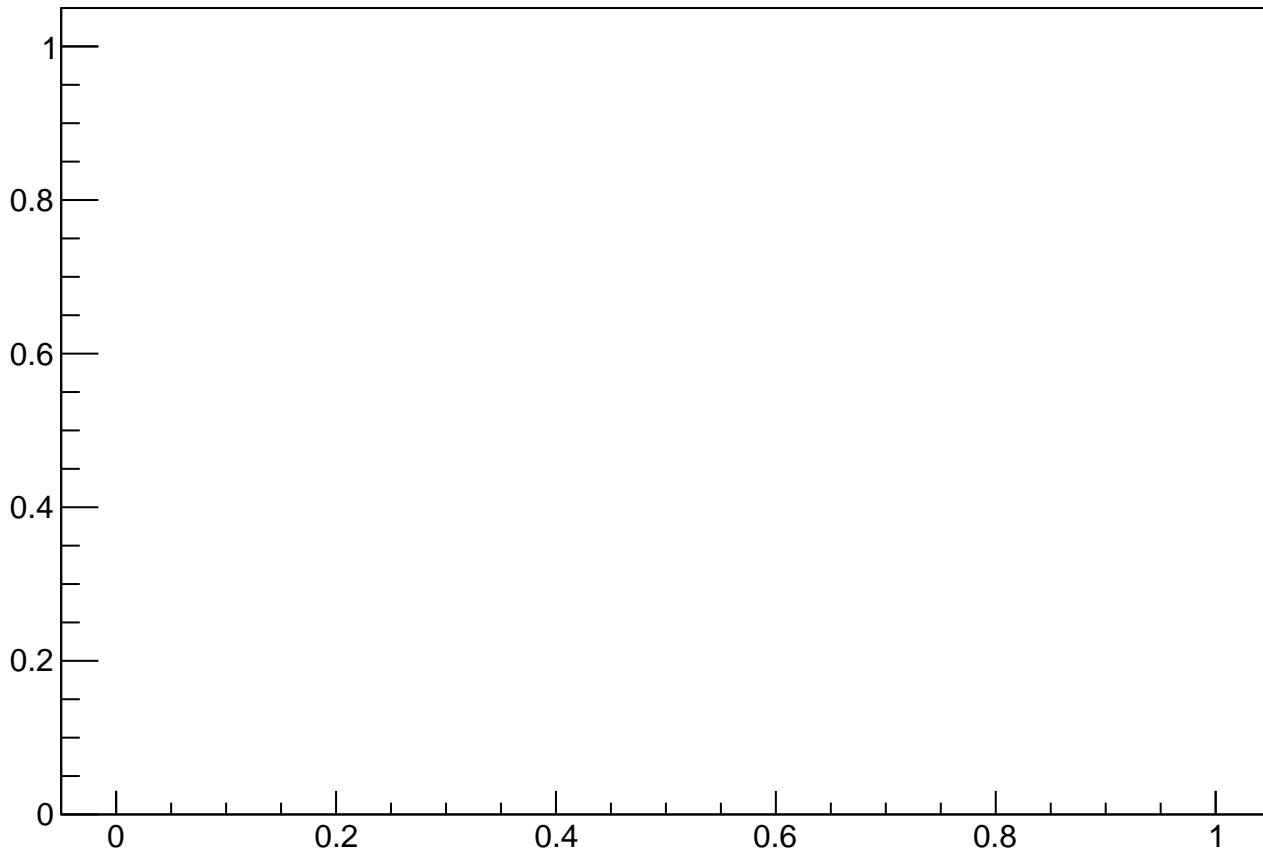
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

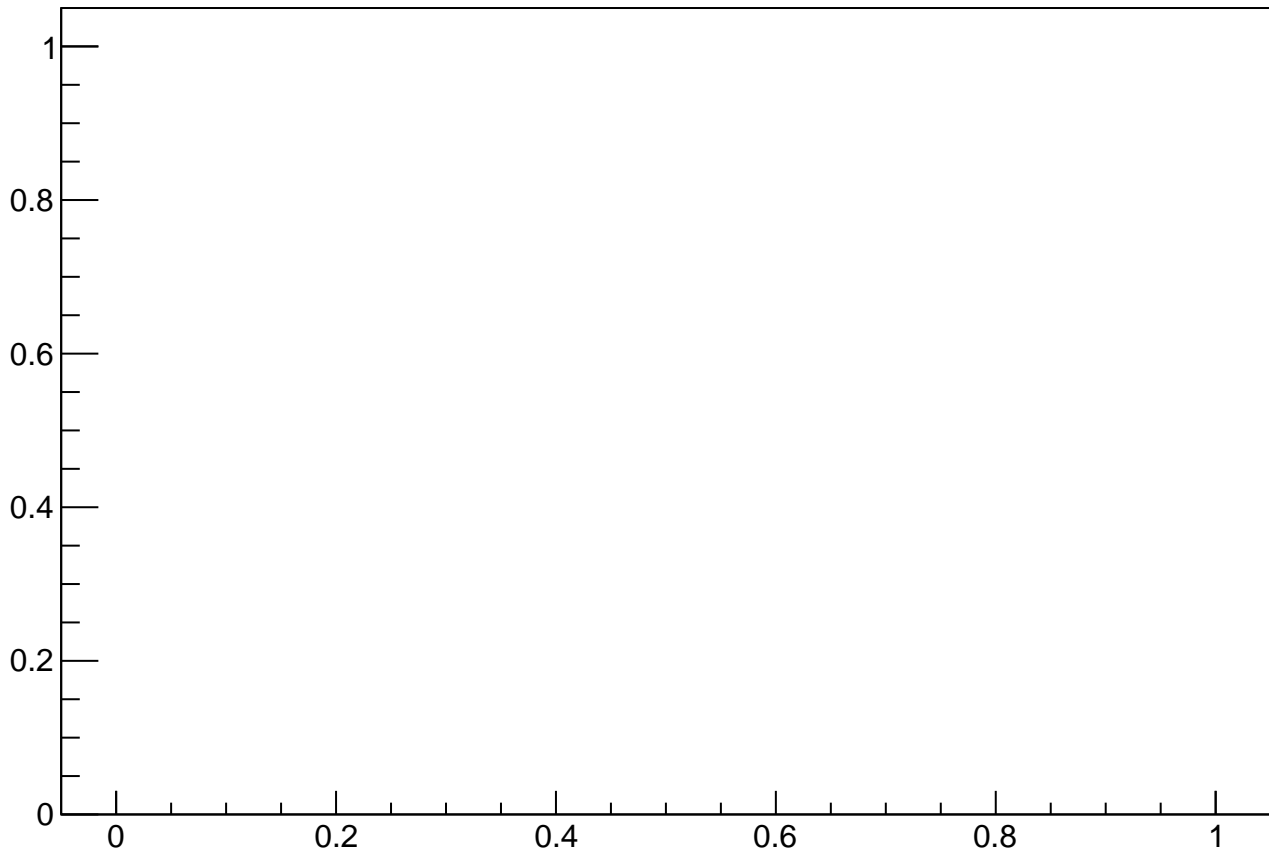
# dit\_sam8\_coil1\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

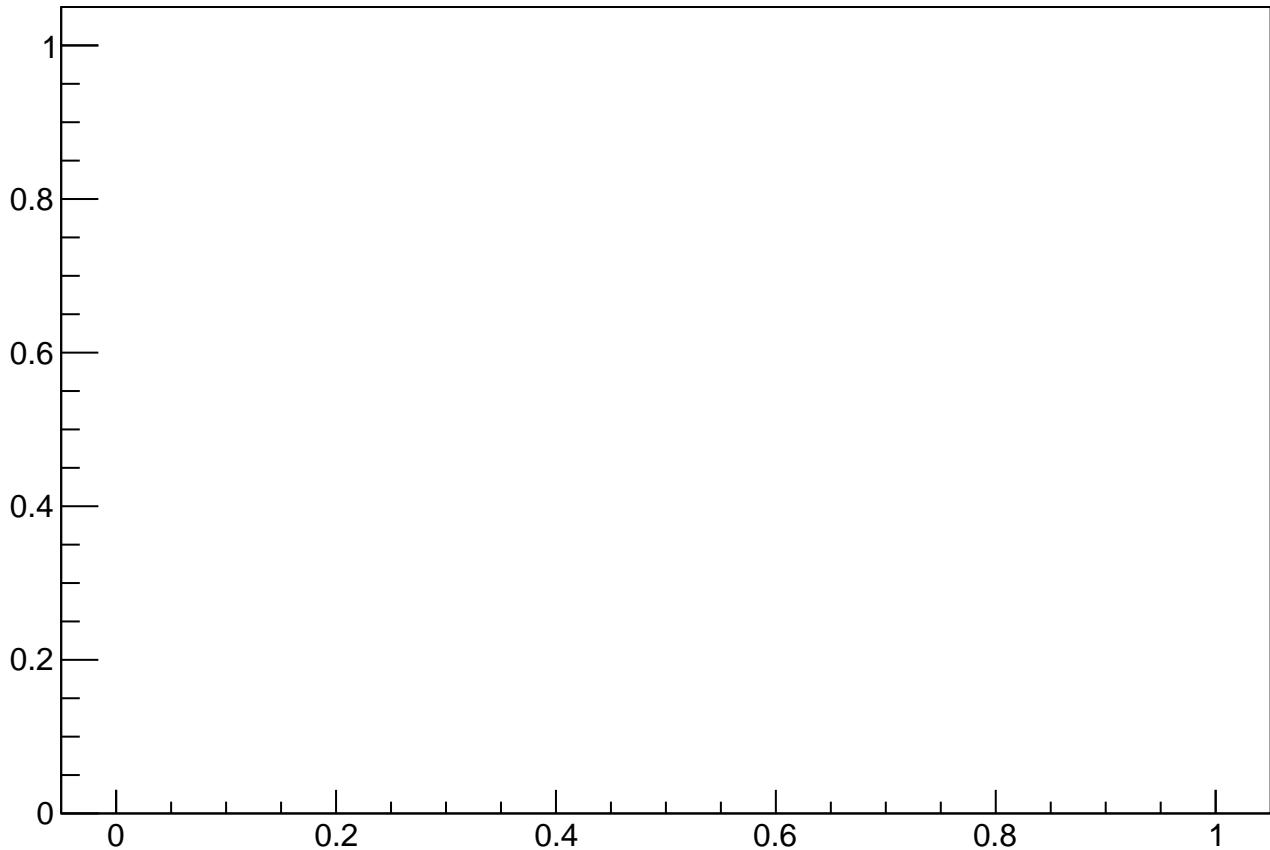
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_4aX\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

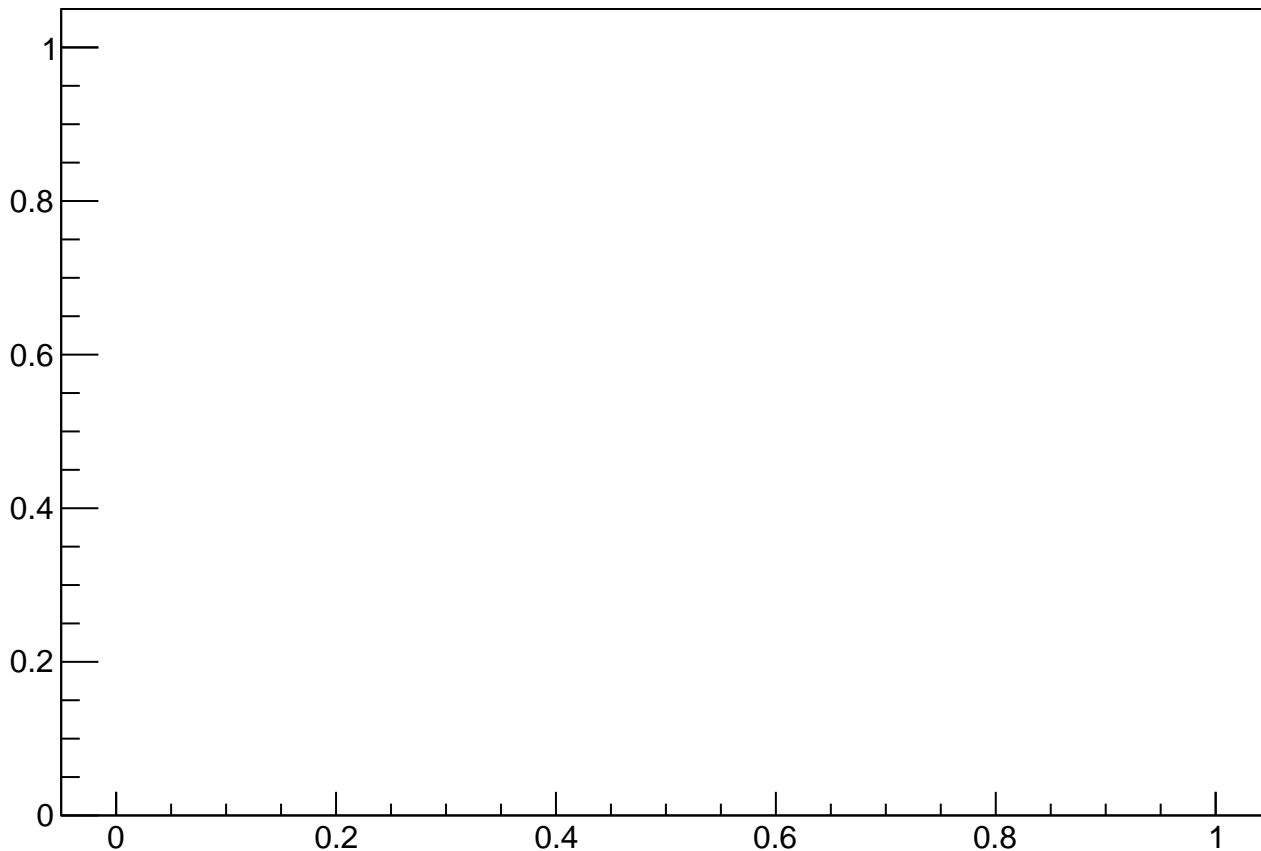
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

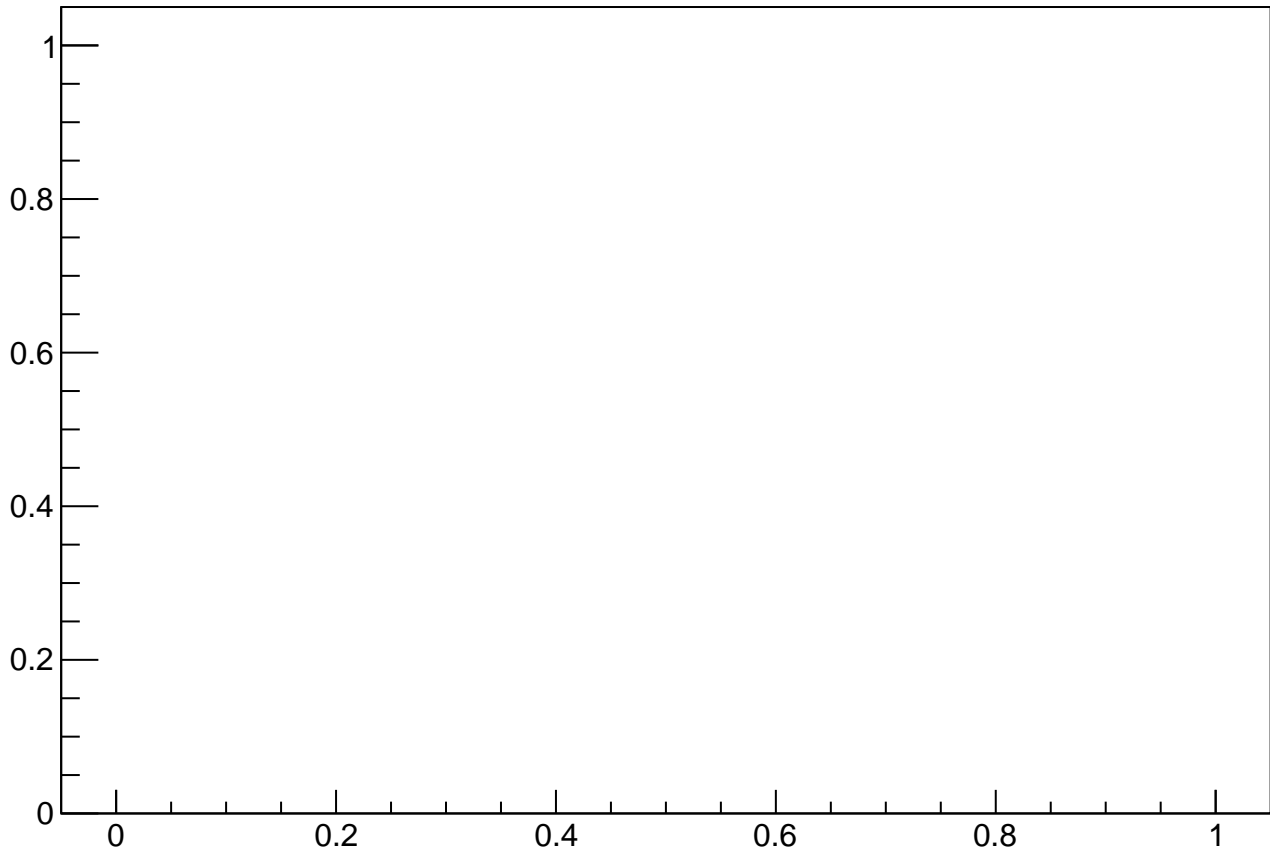
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

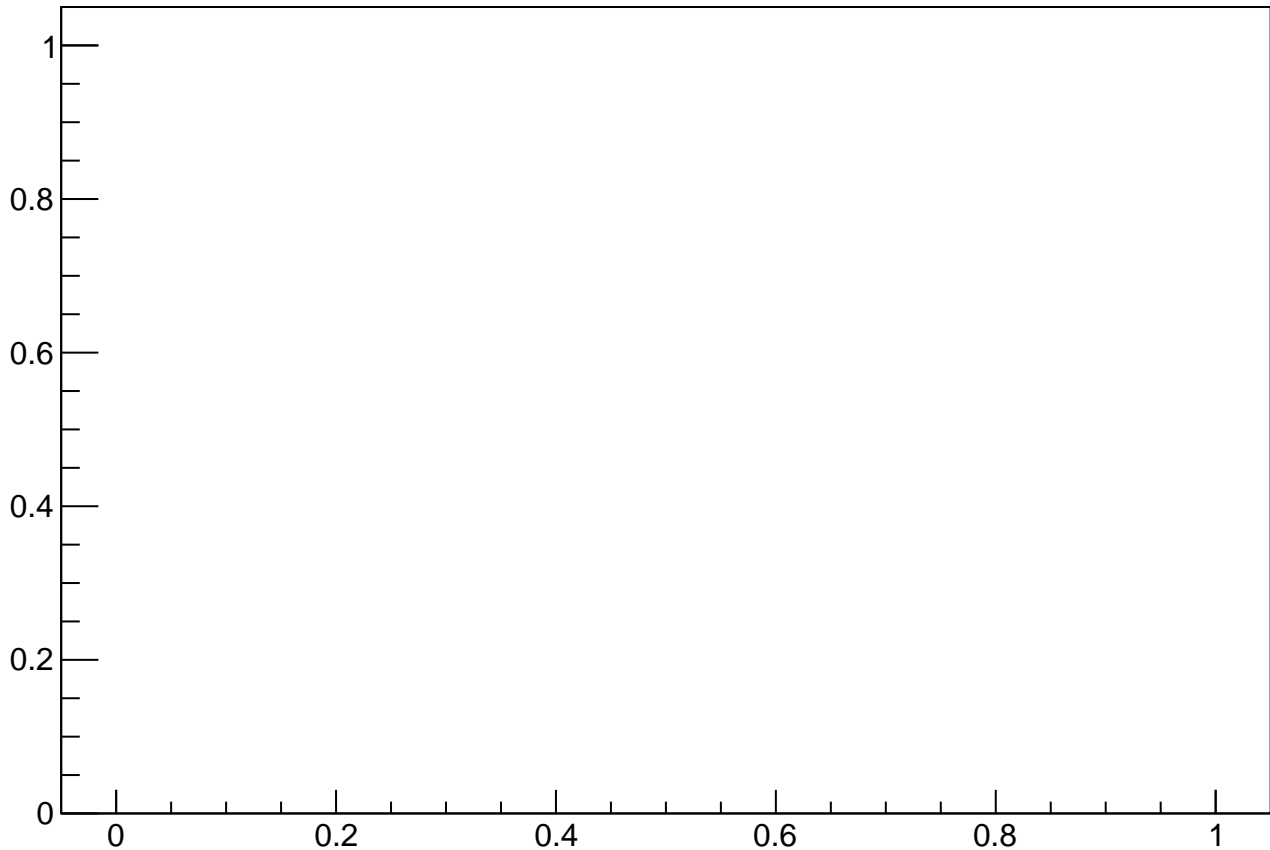
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

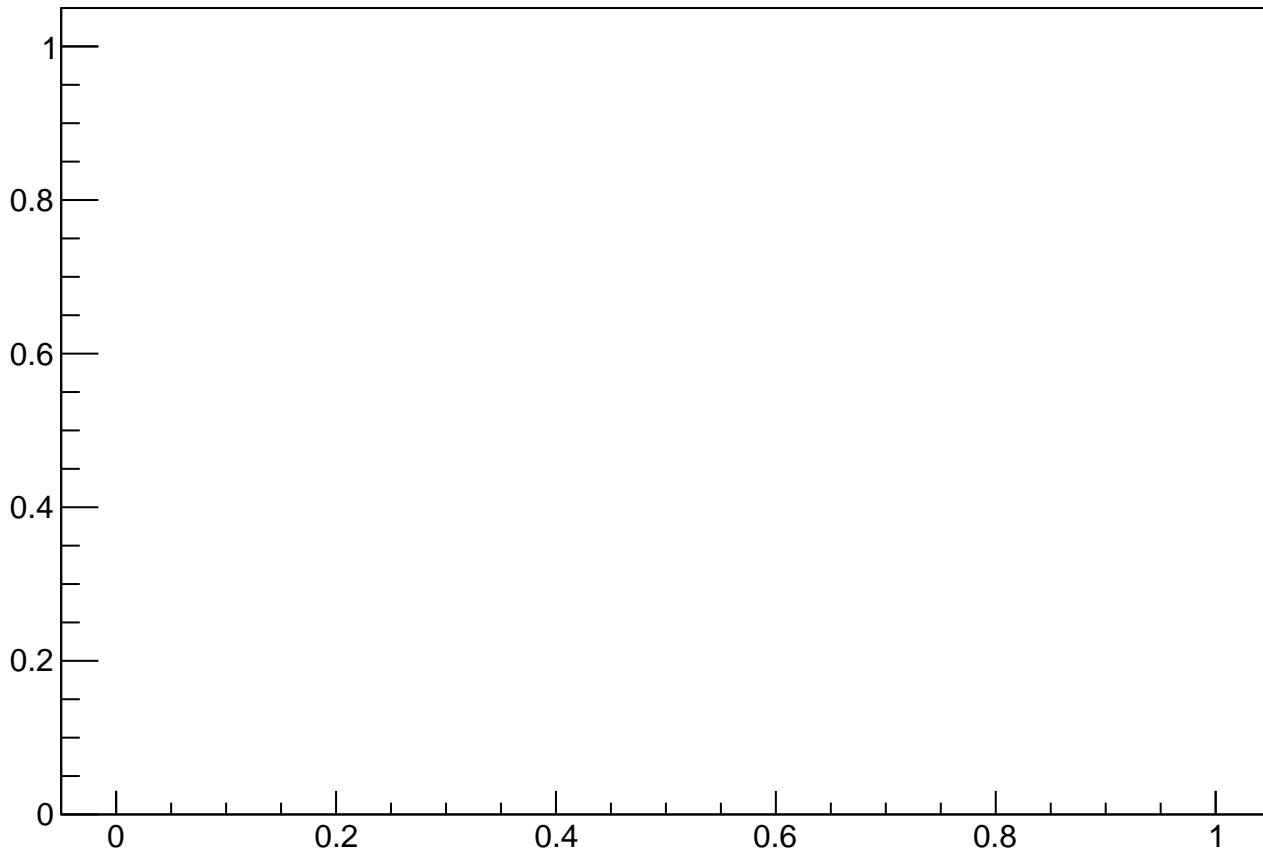
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

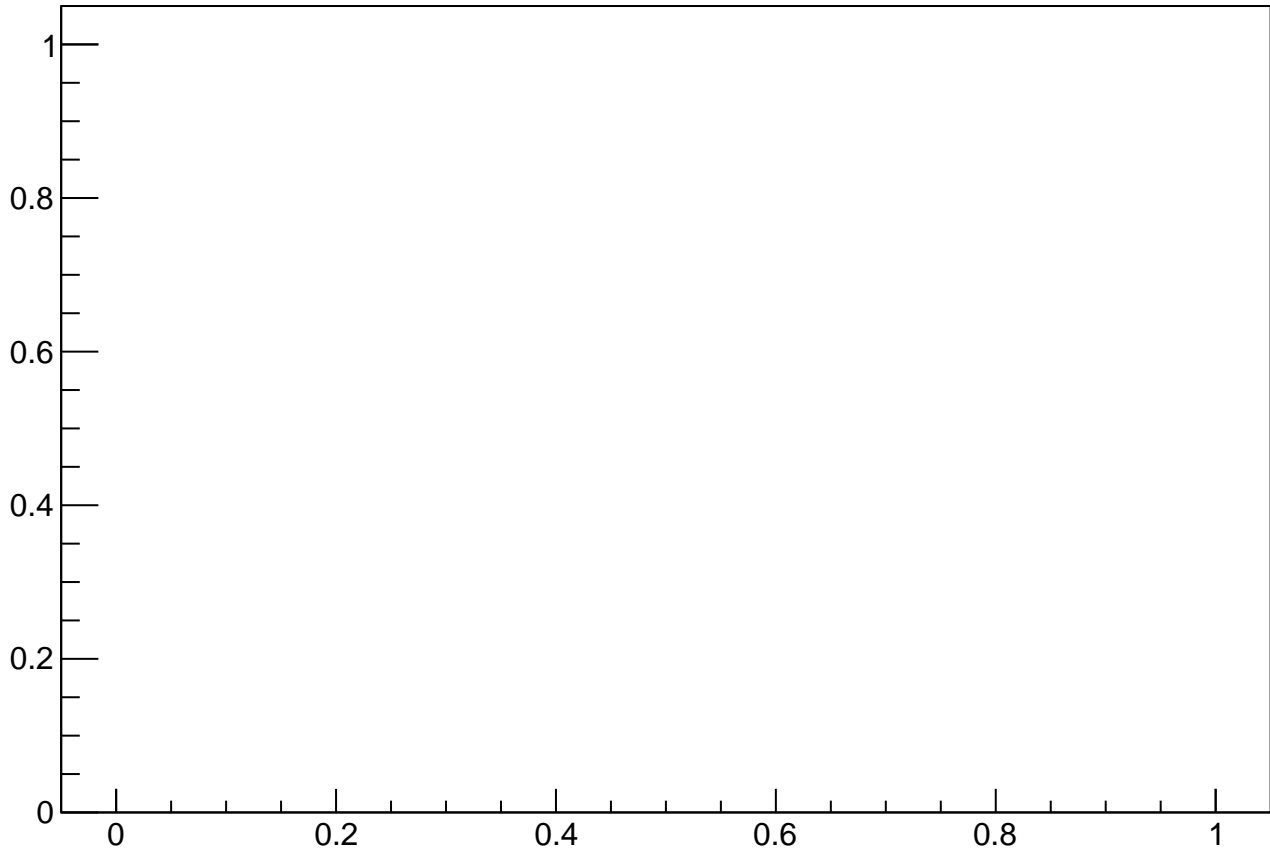
# dit\_11X12X\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

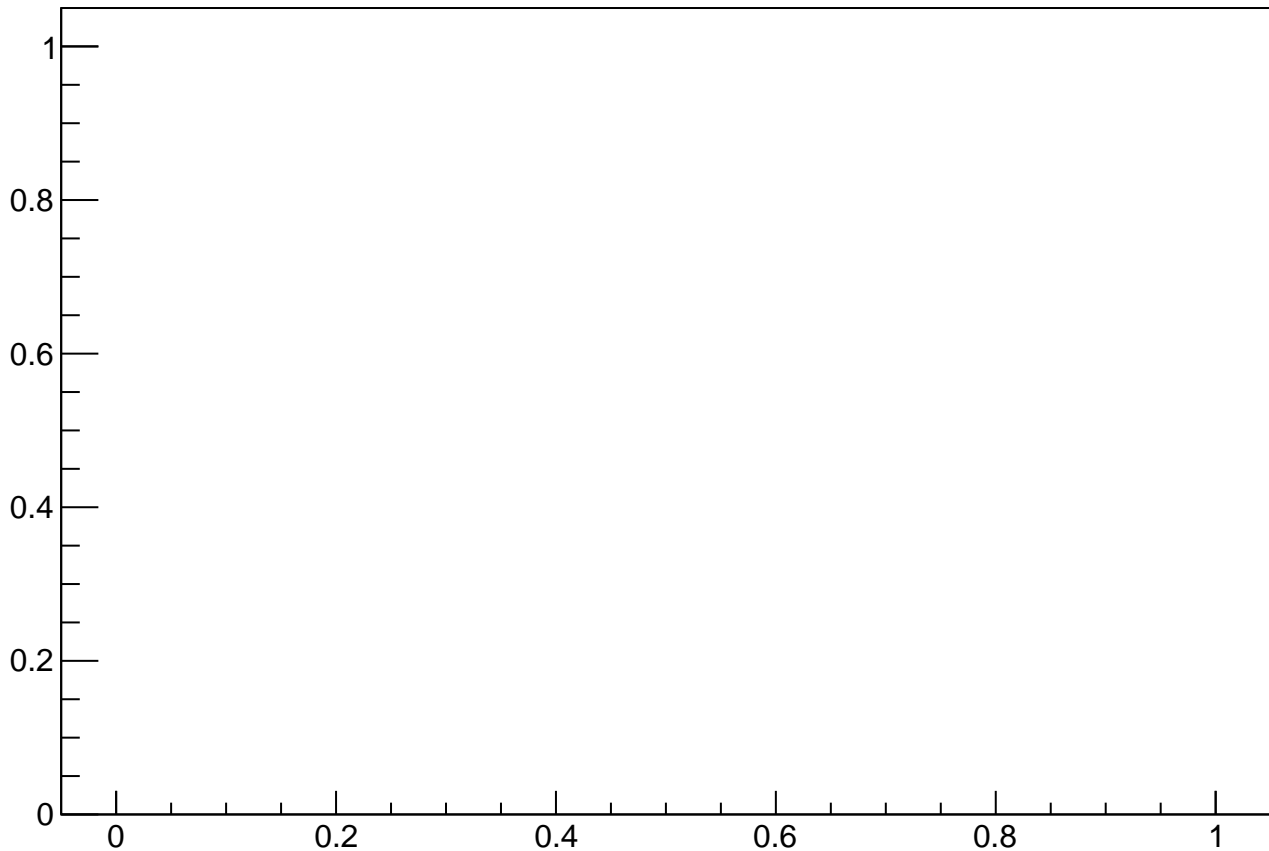
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aY\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

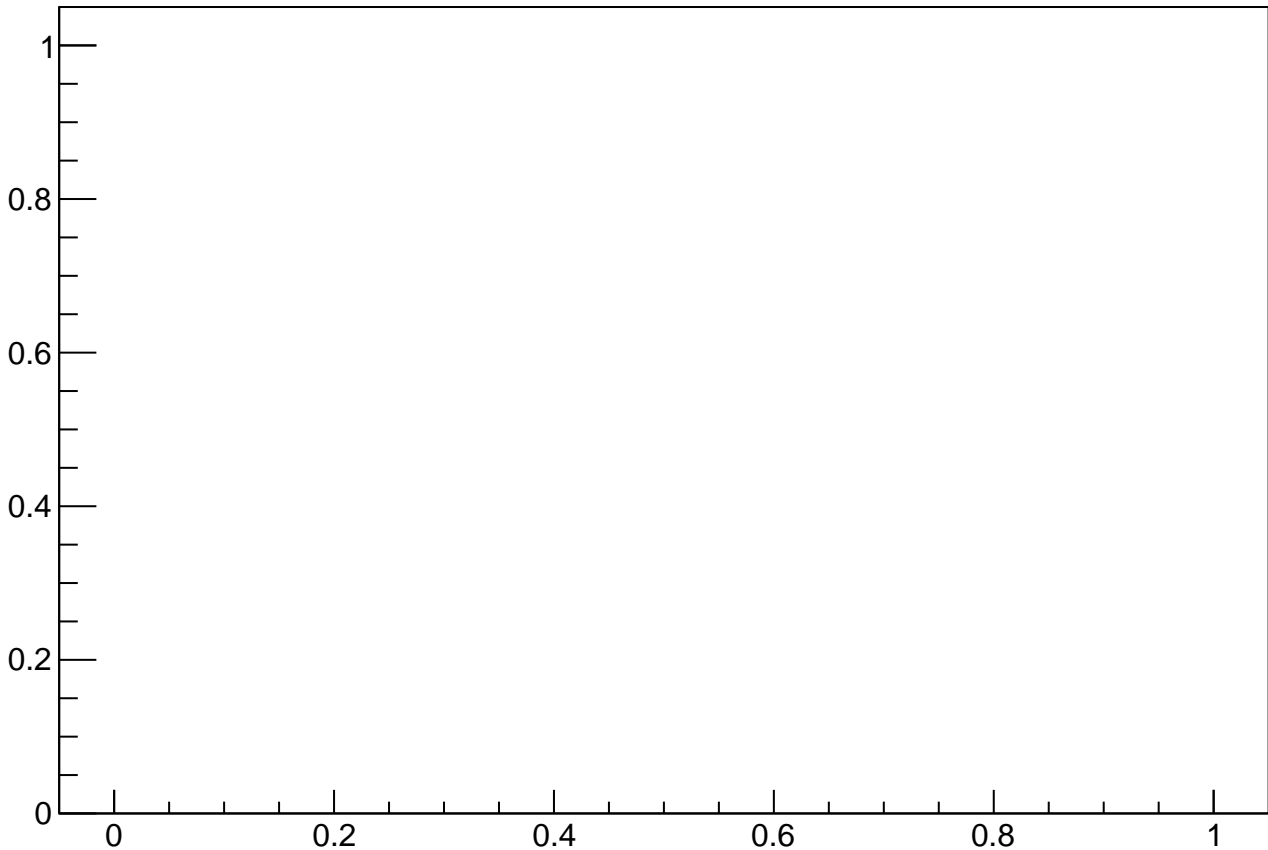
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

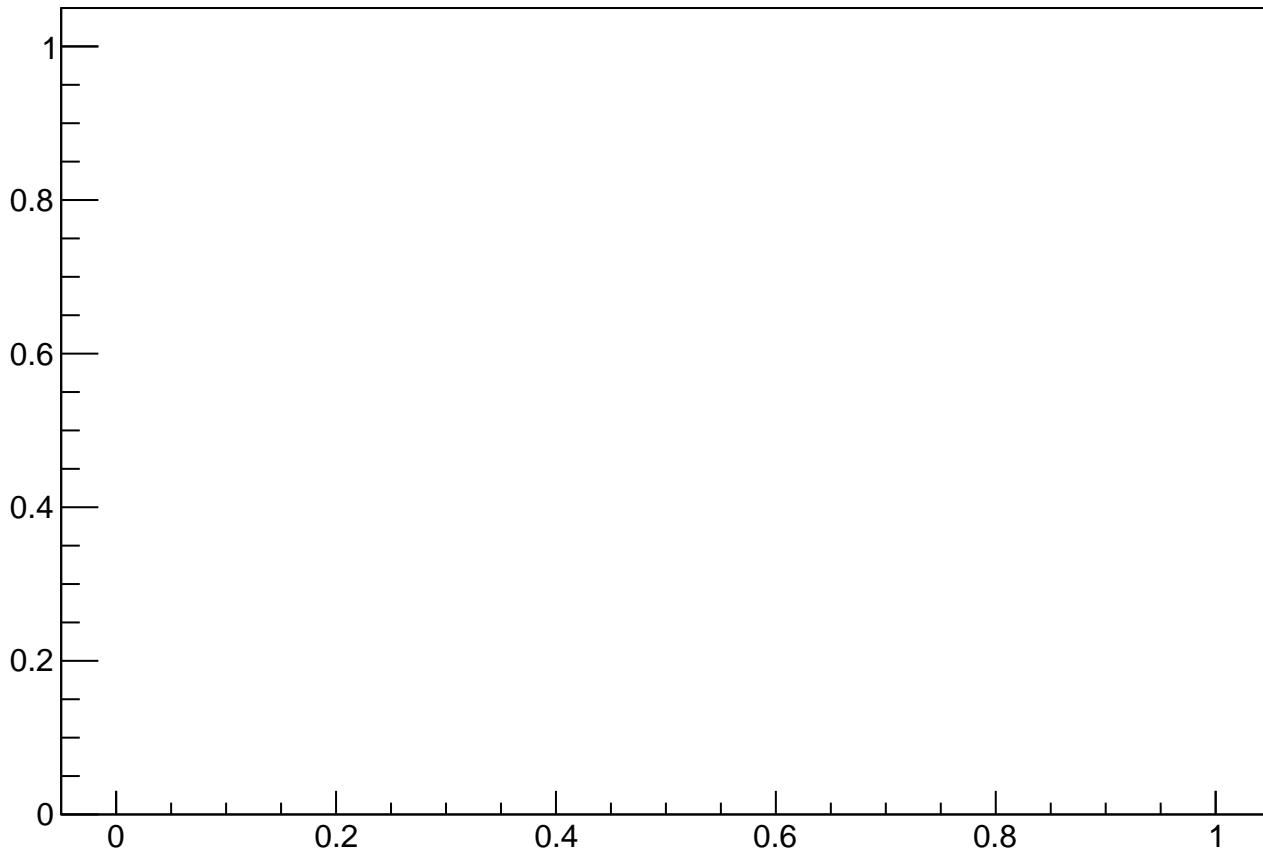
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

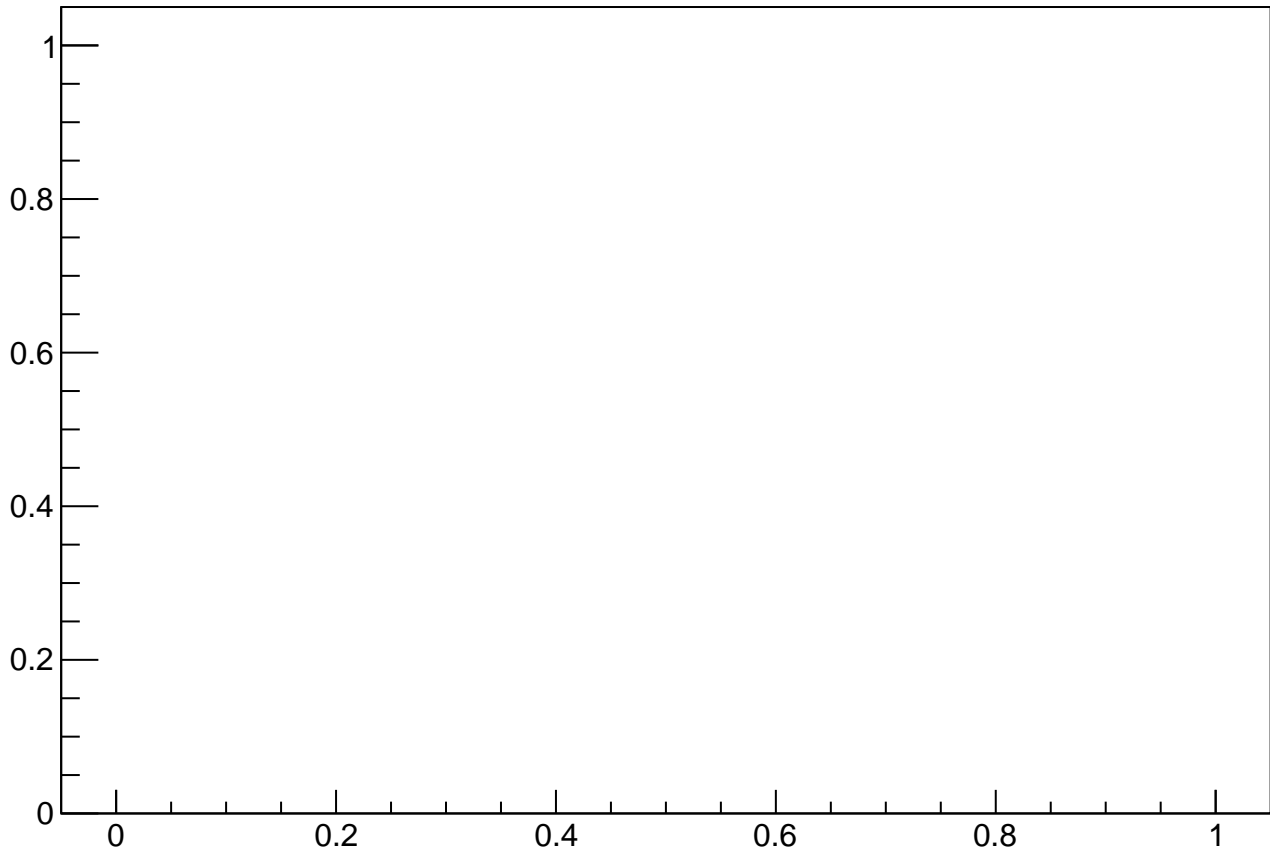
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

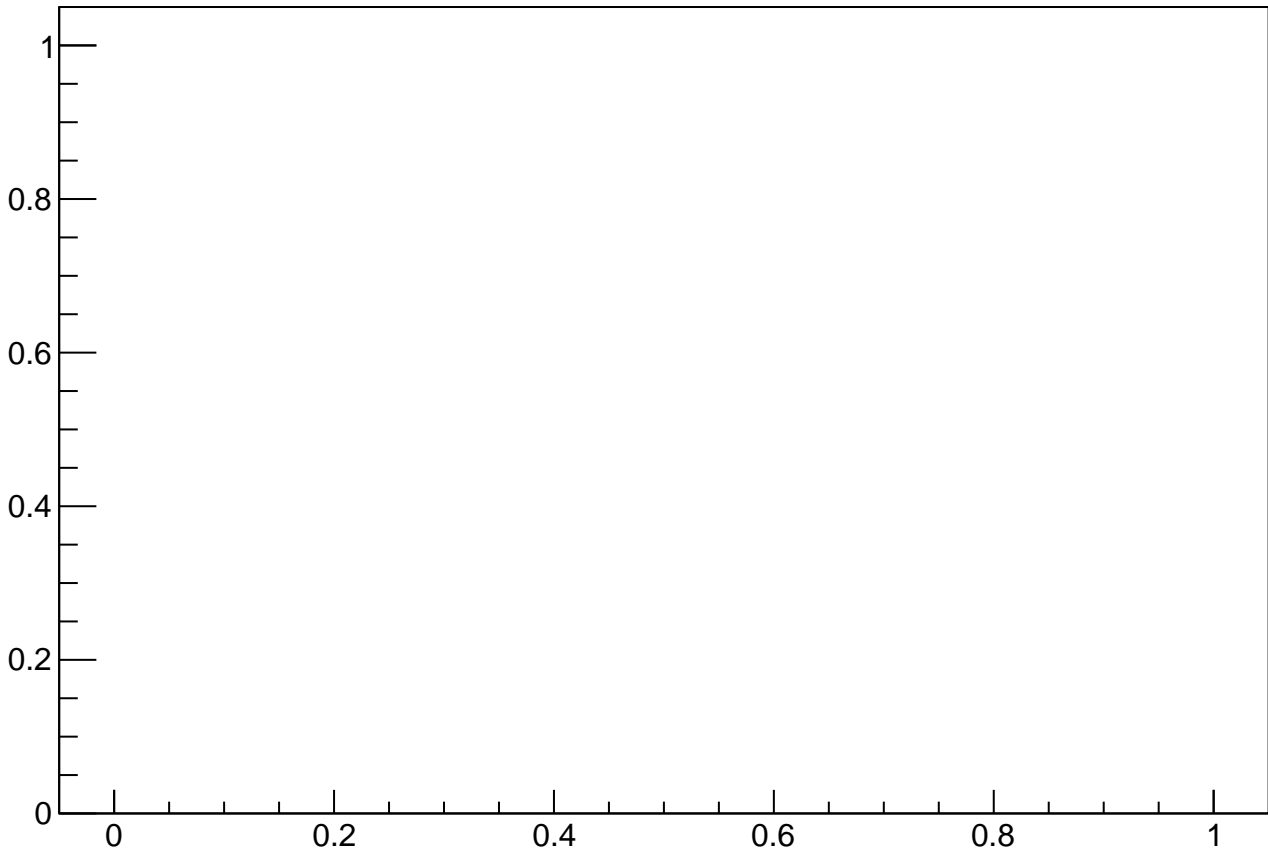
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

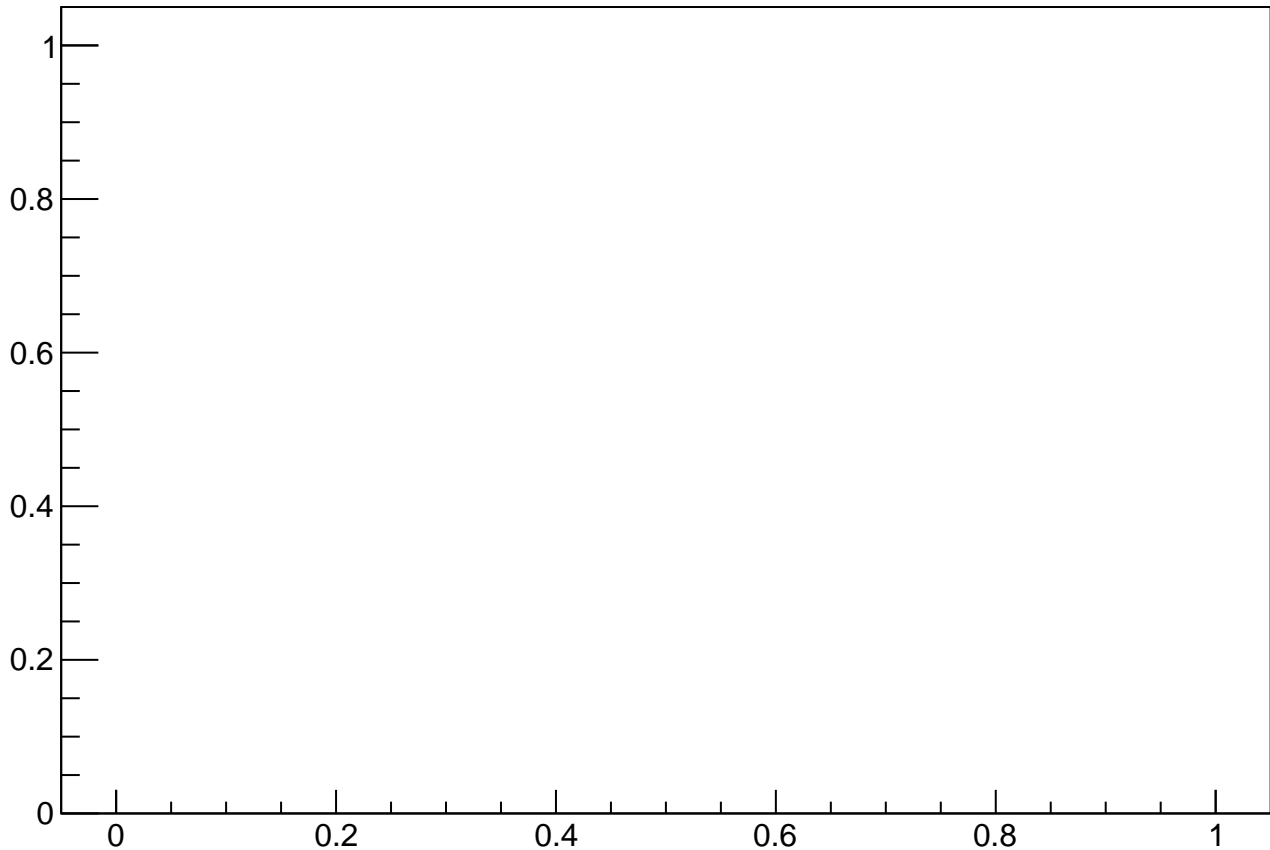
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

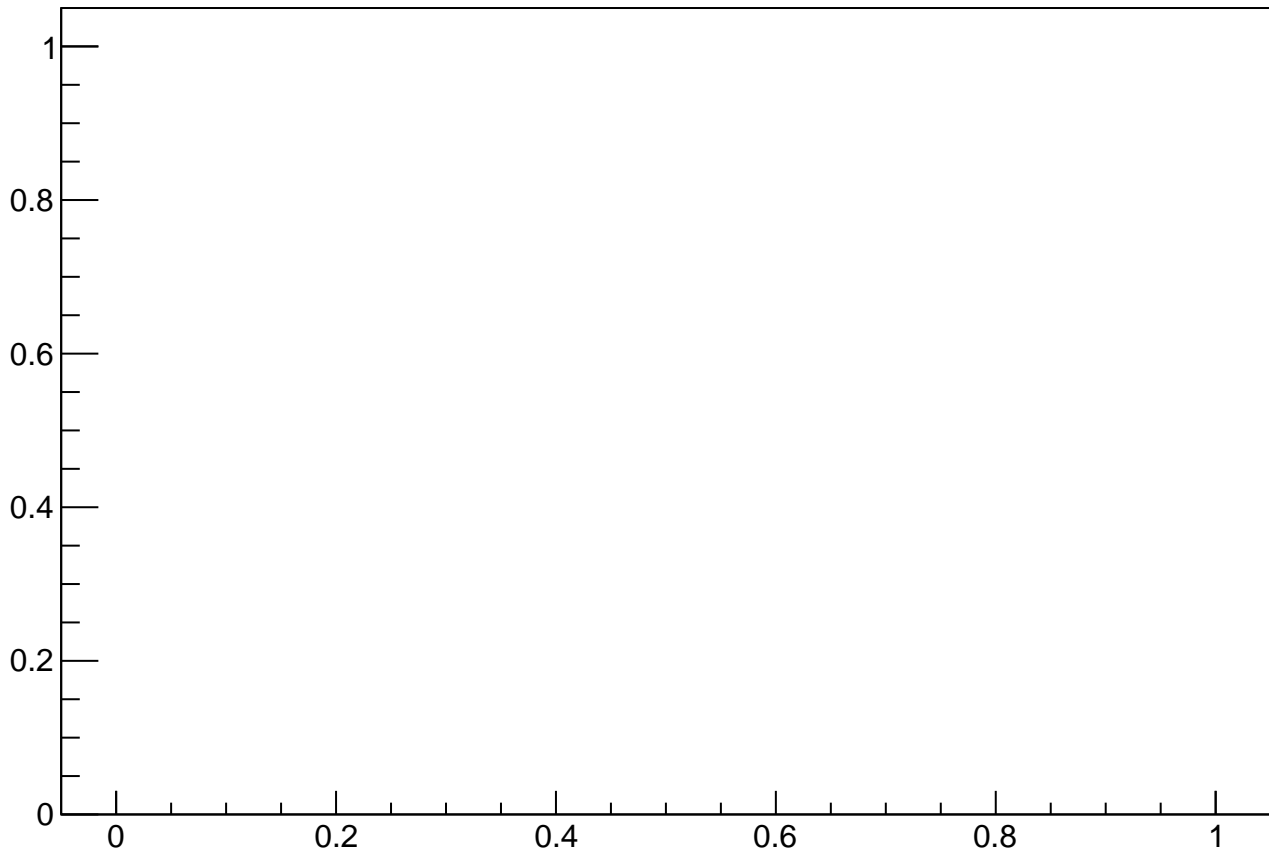
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

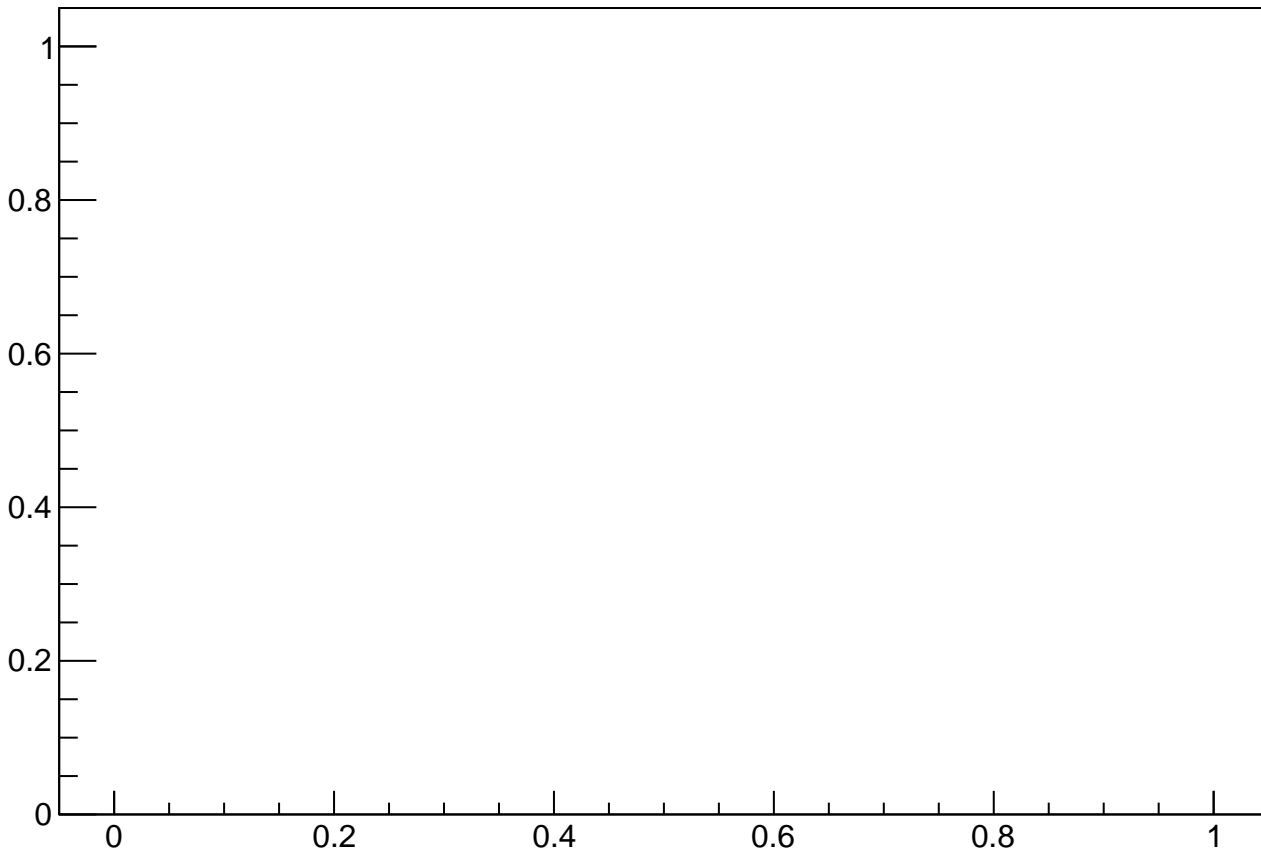
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usl\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

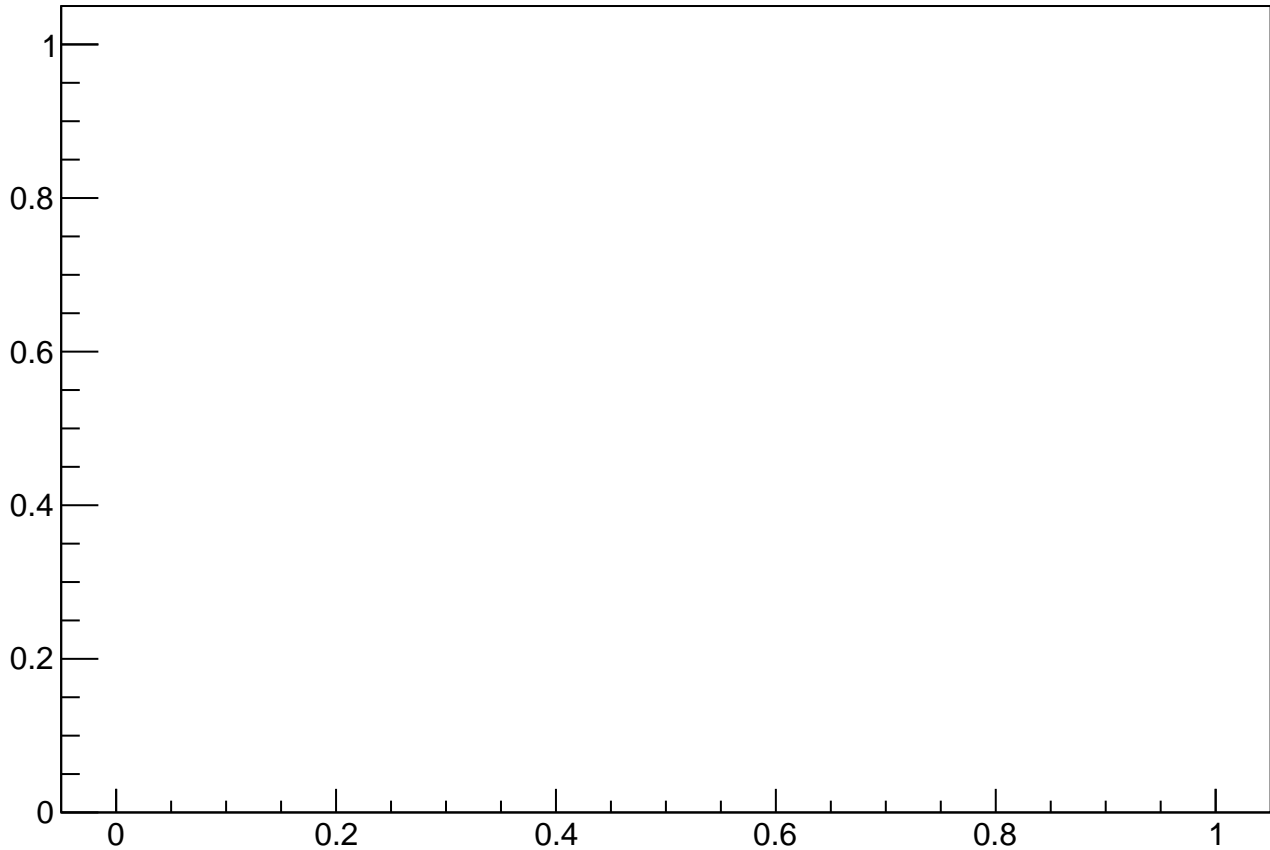
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

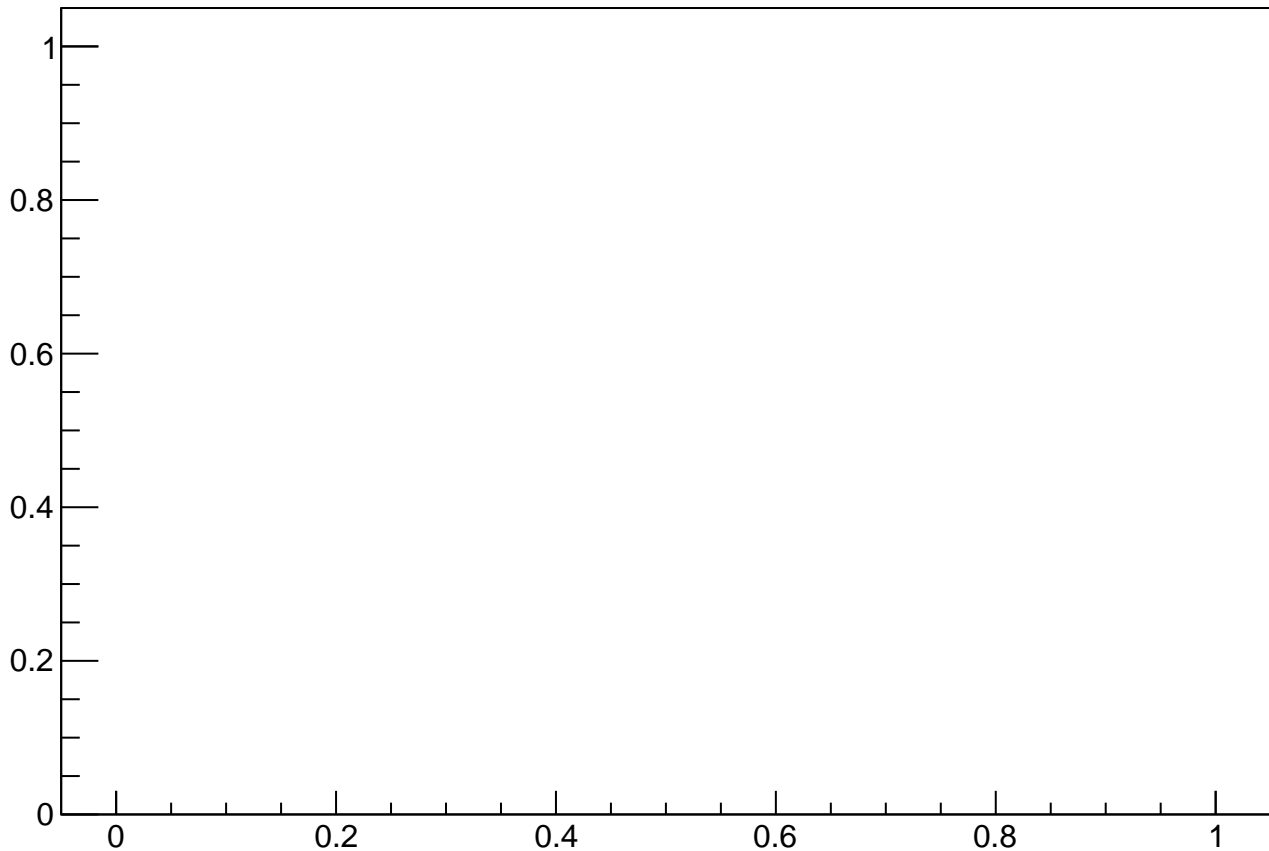
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

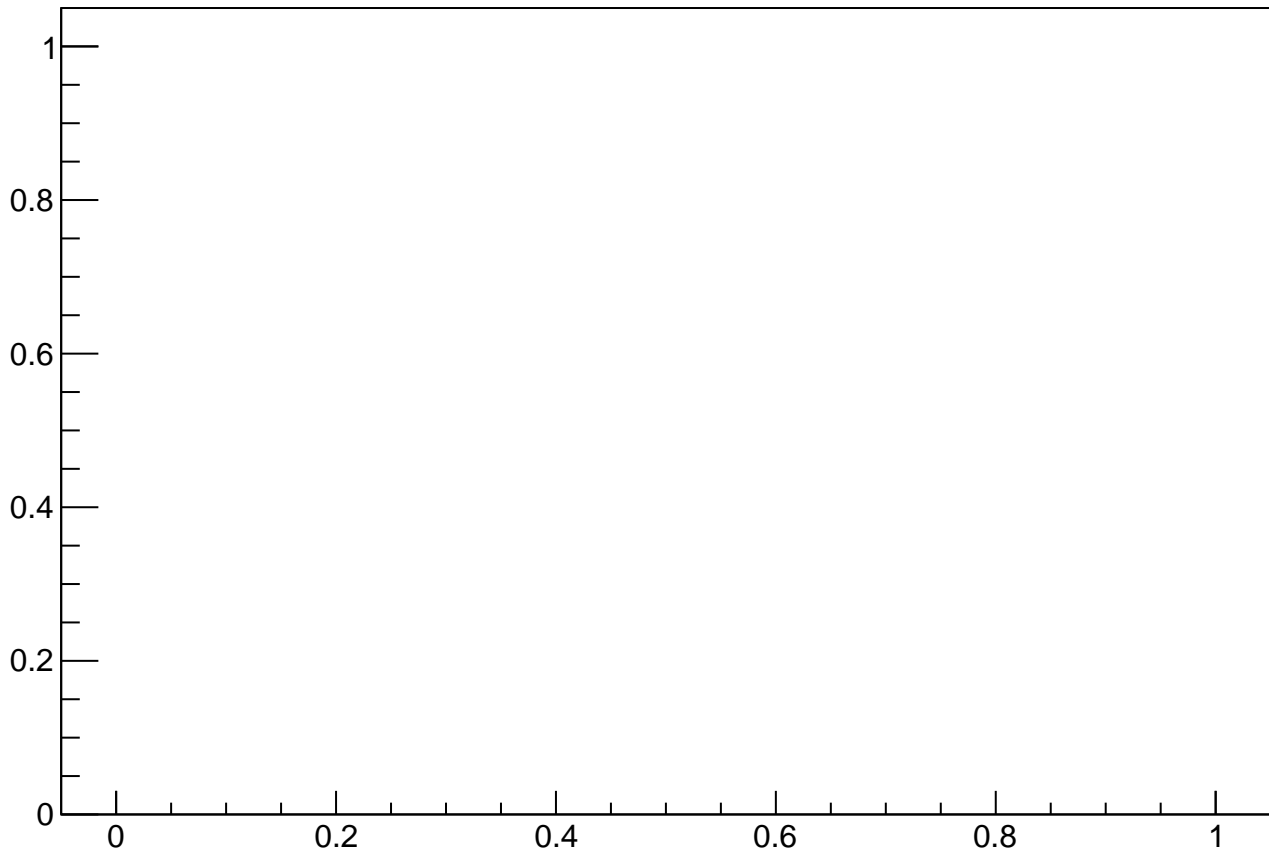
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl2\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

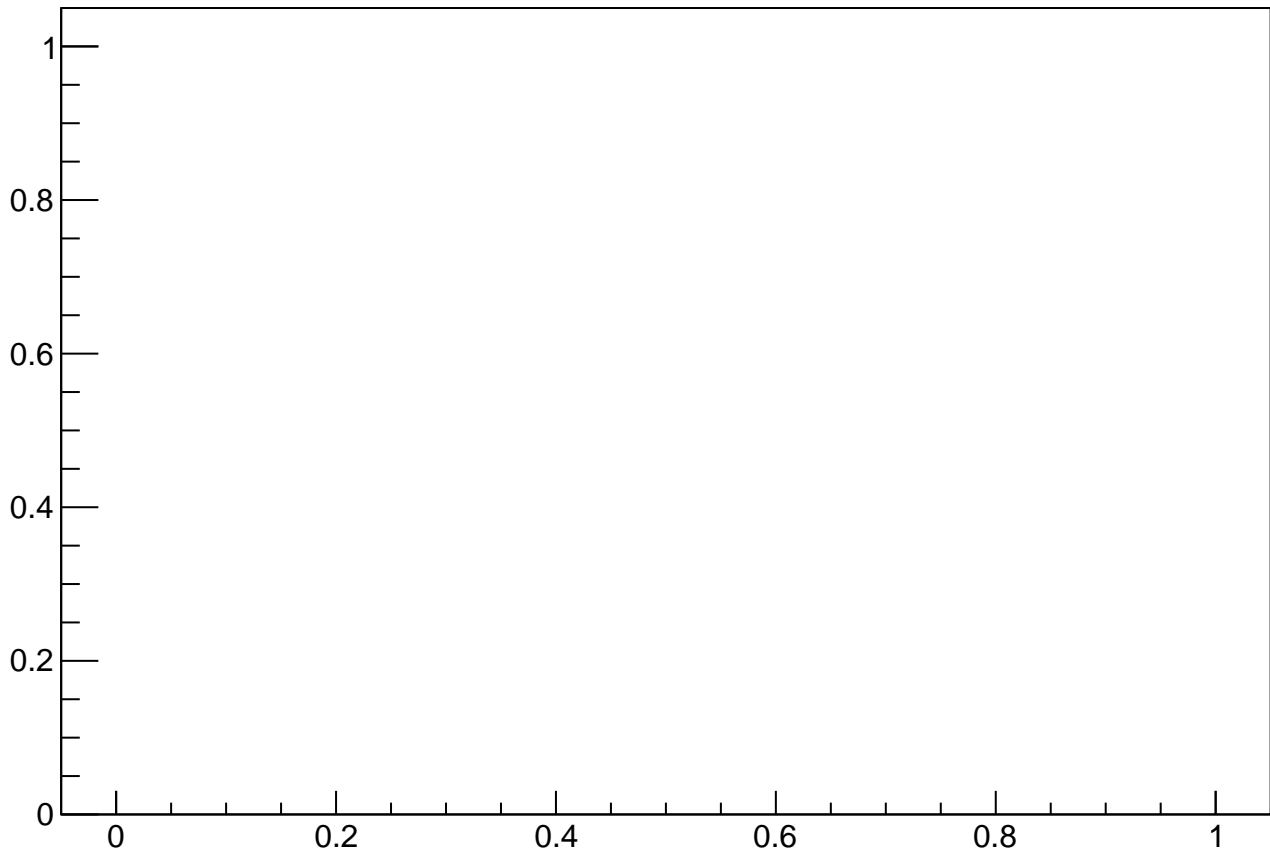
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

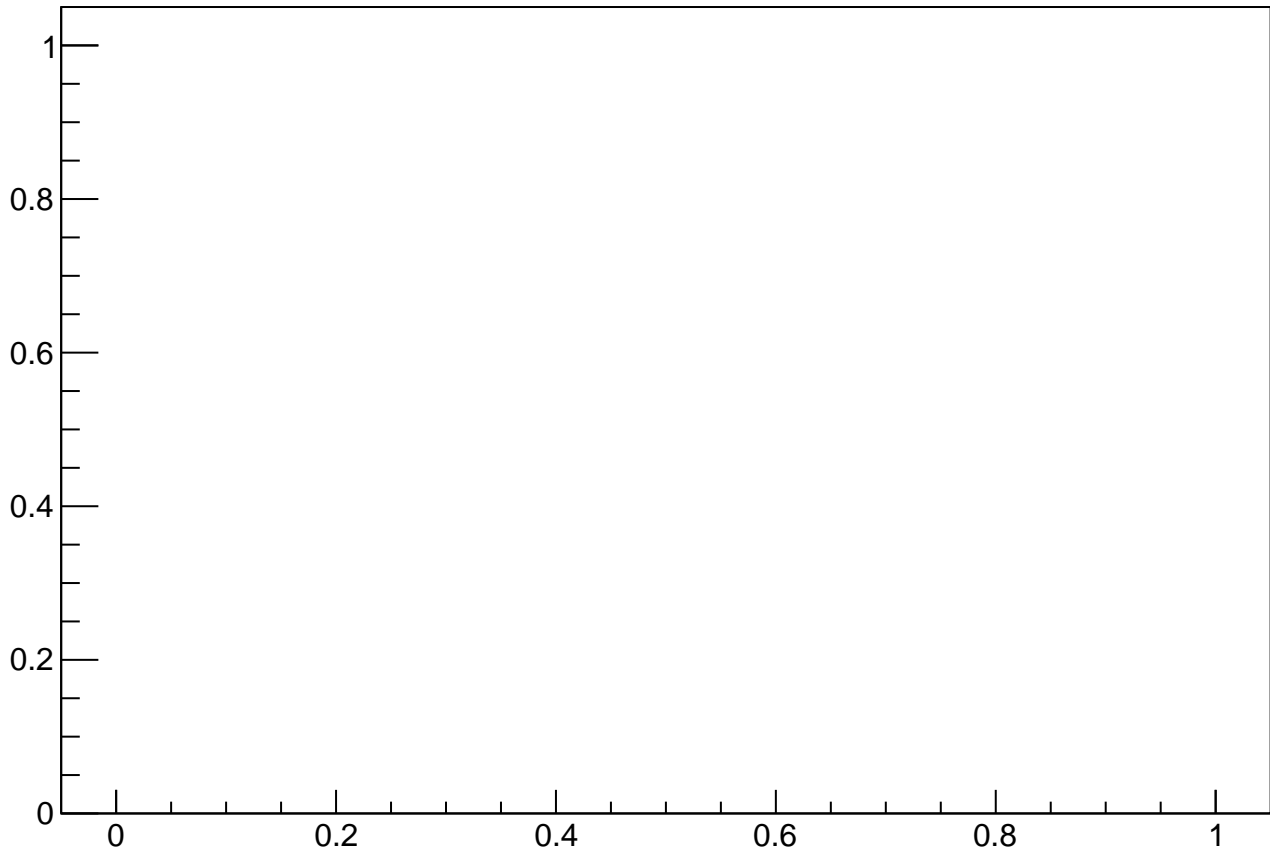
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

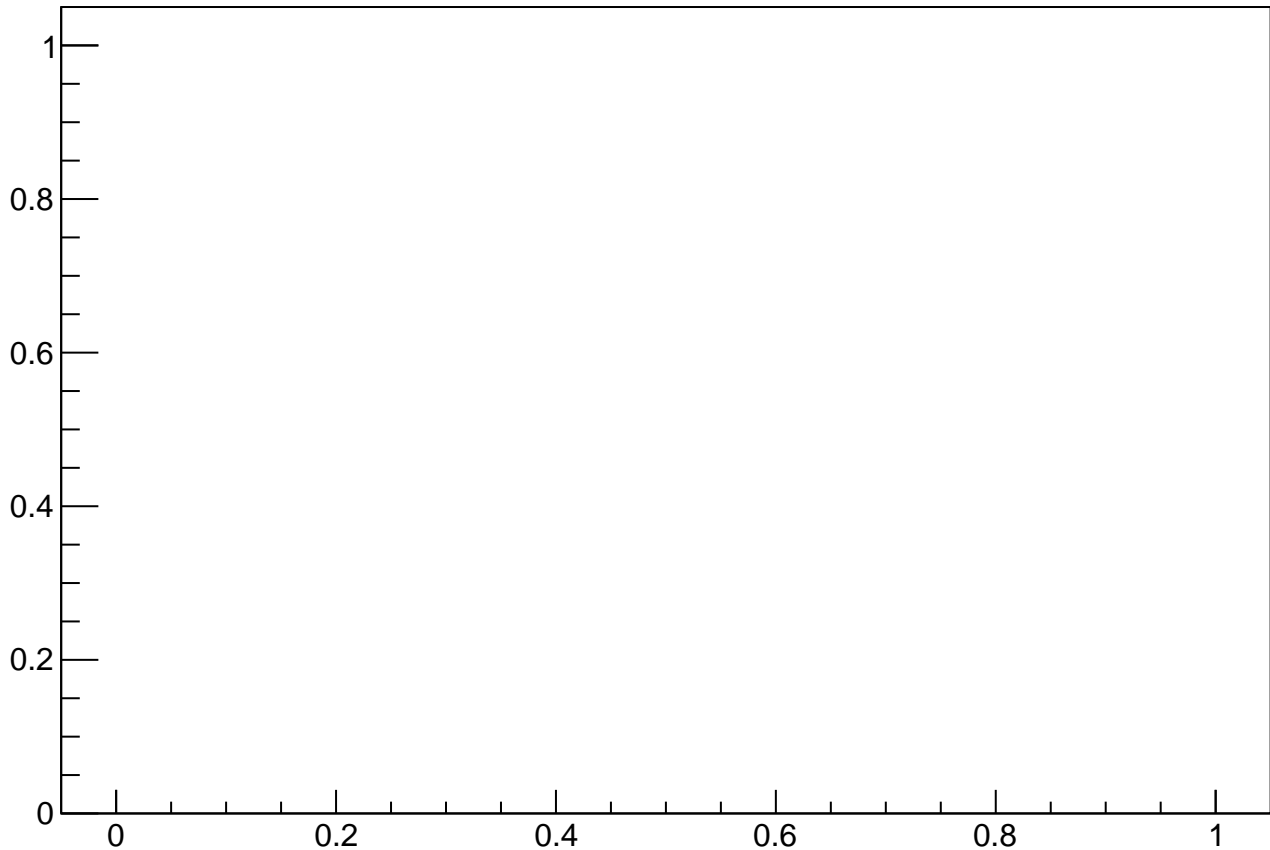
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

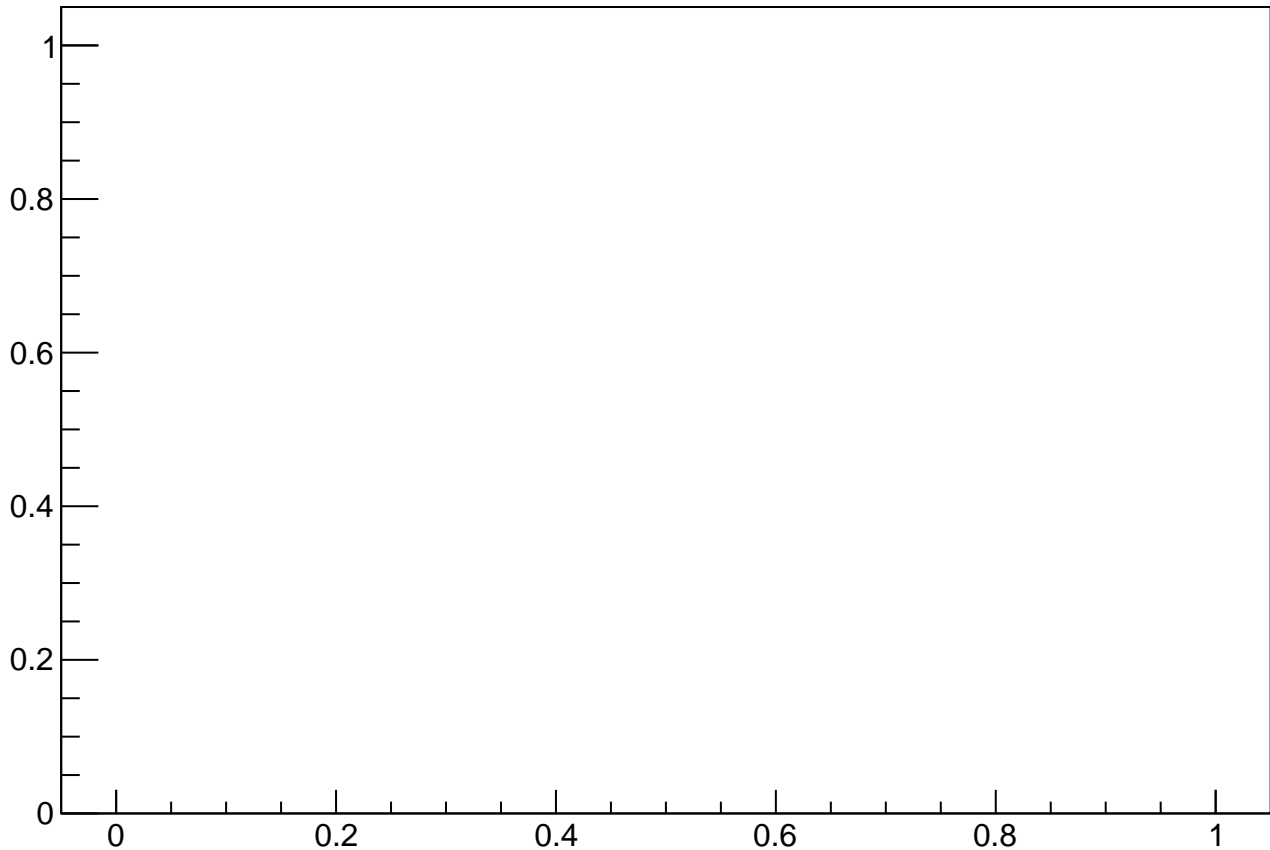
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

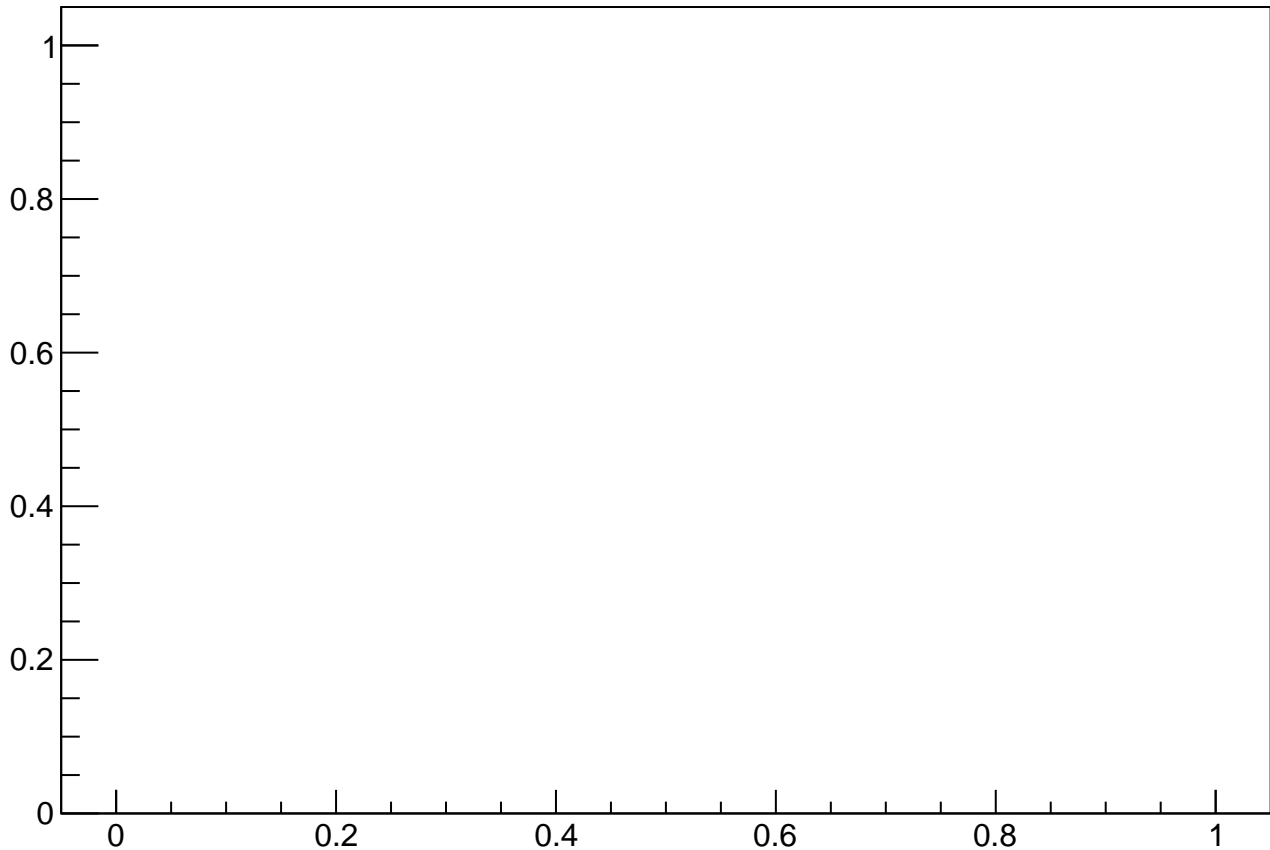
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

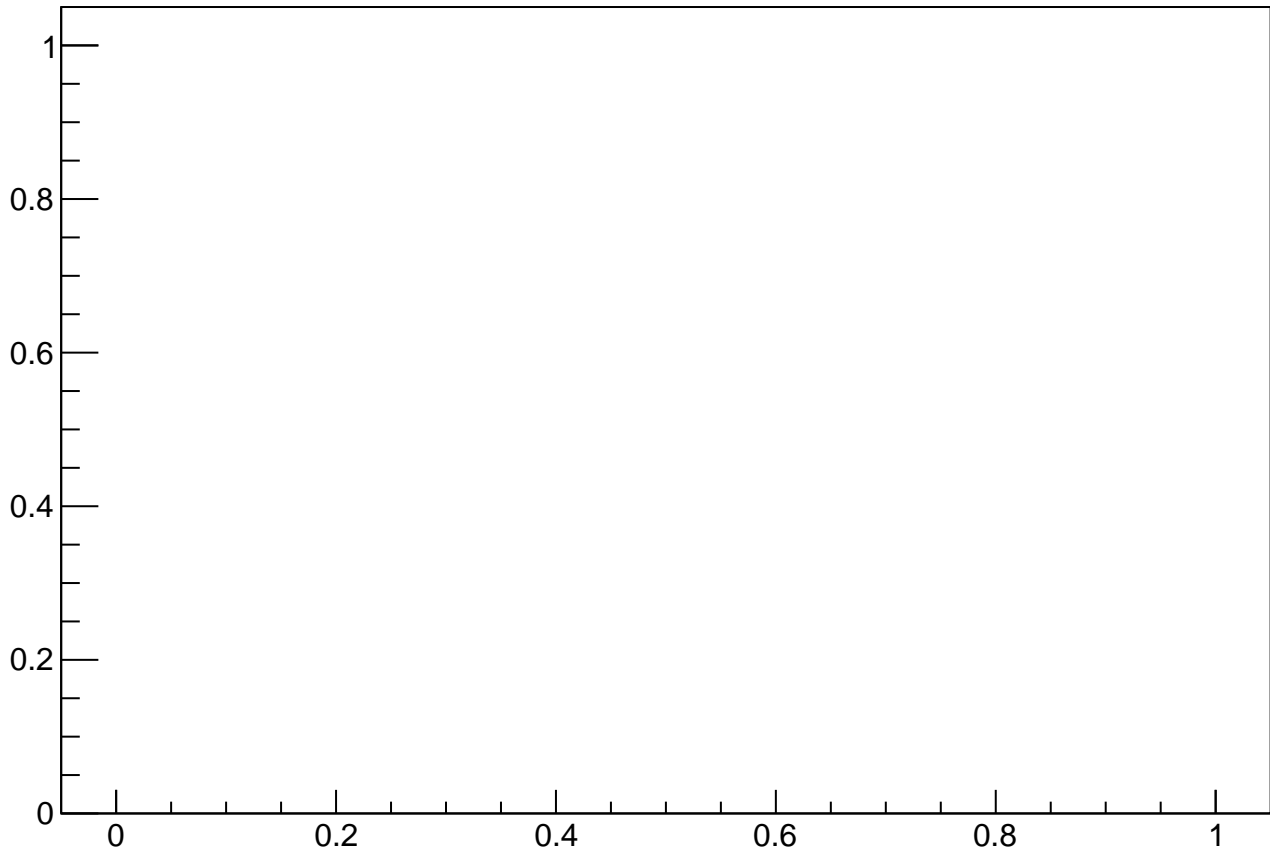
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

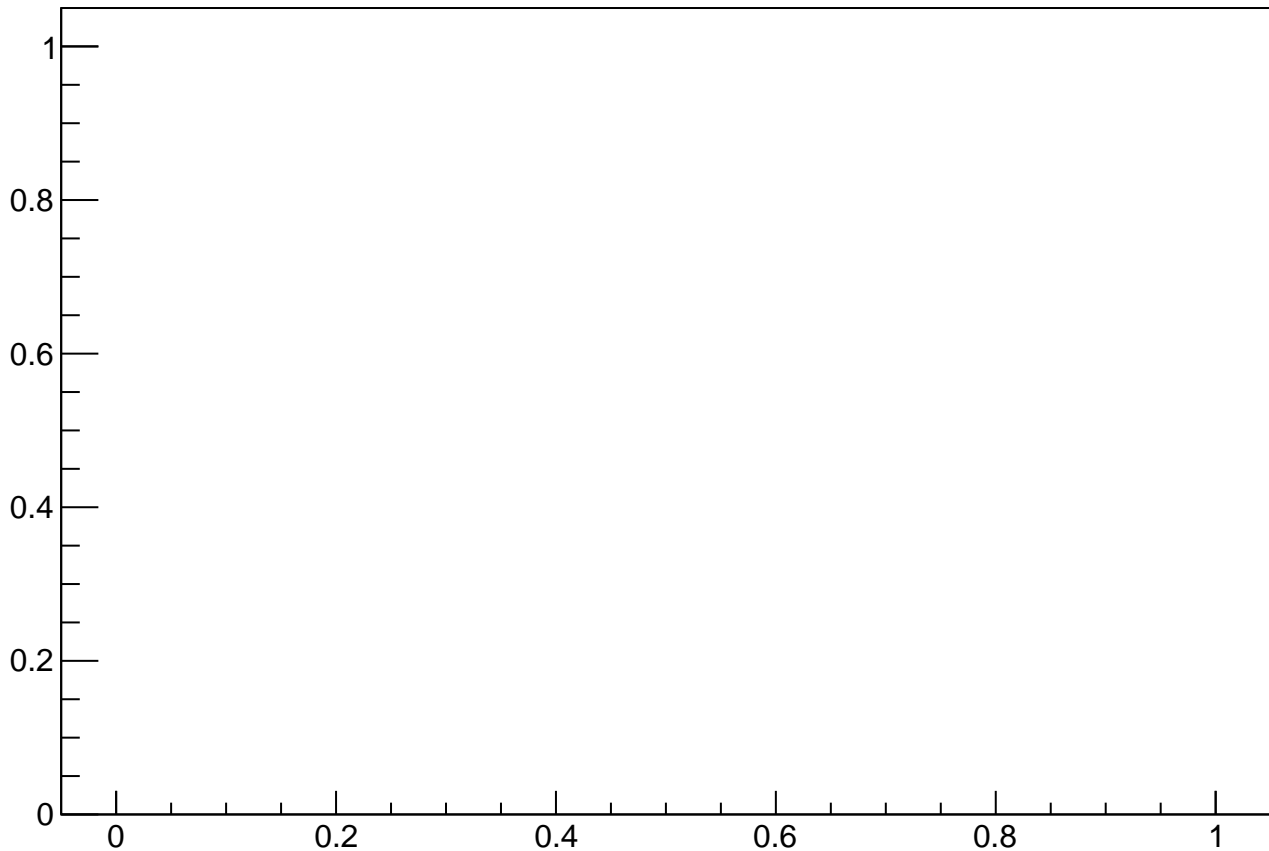
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam1\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

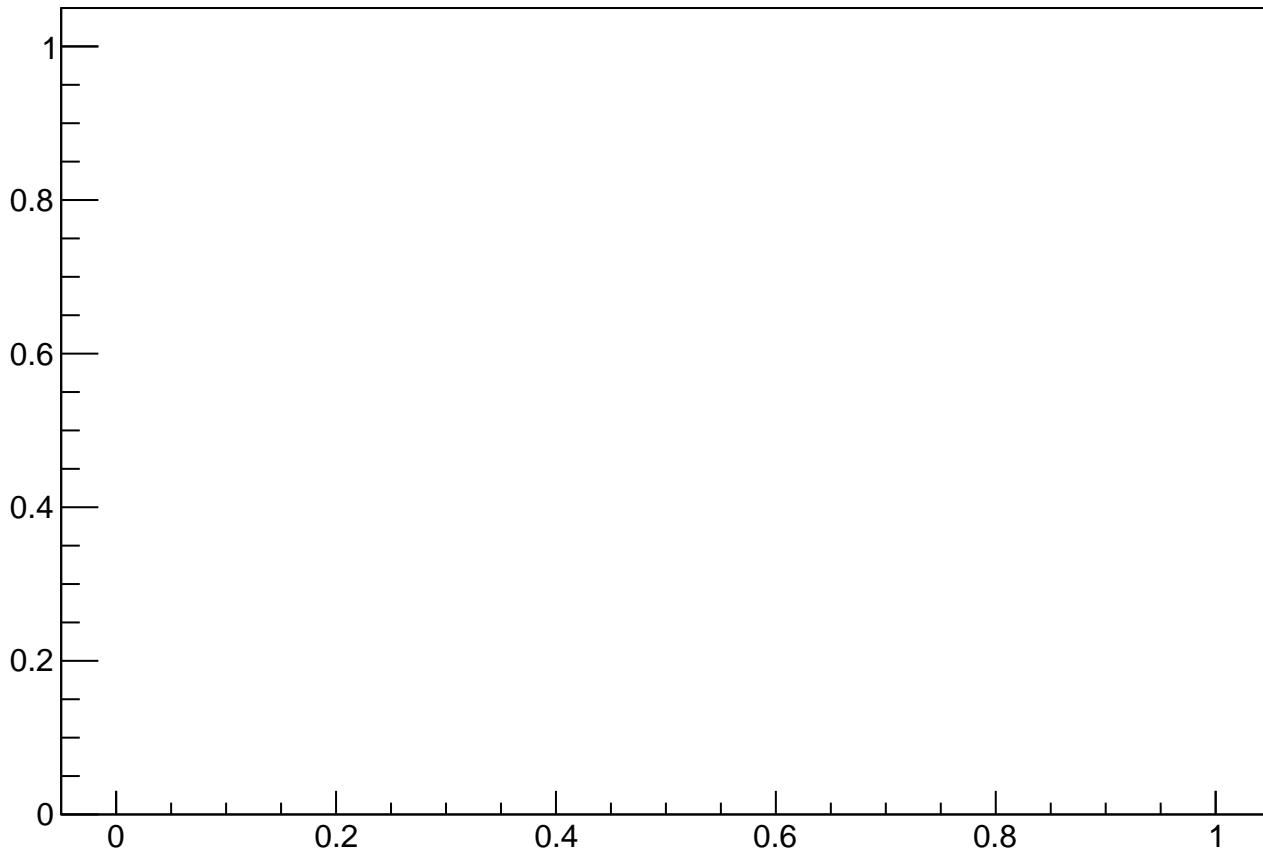
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

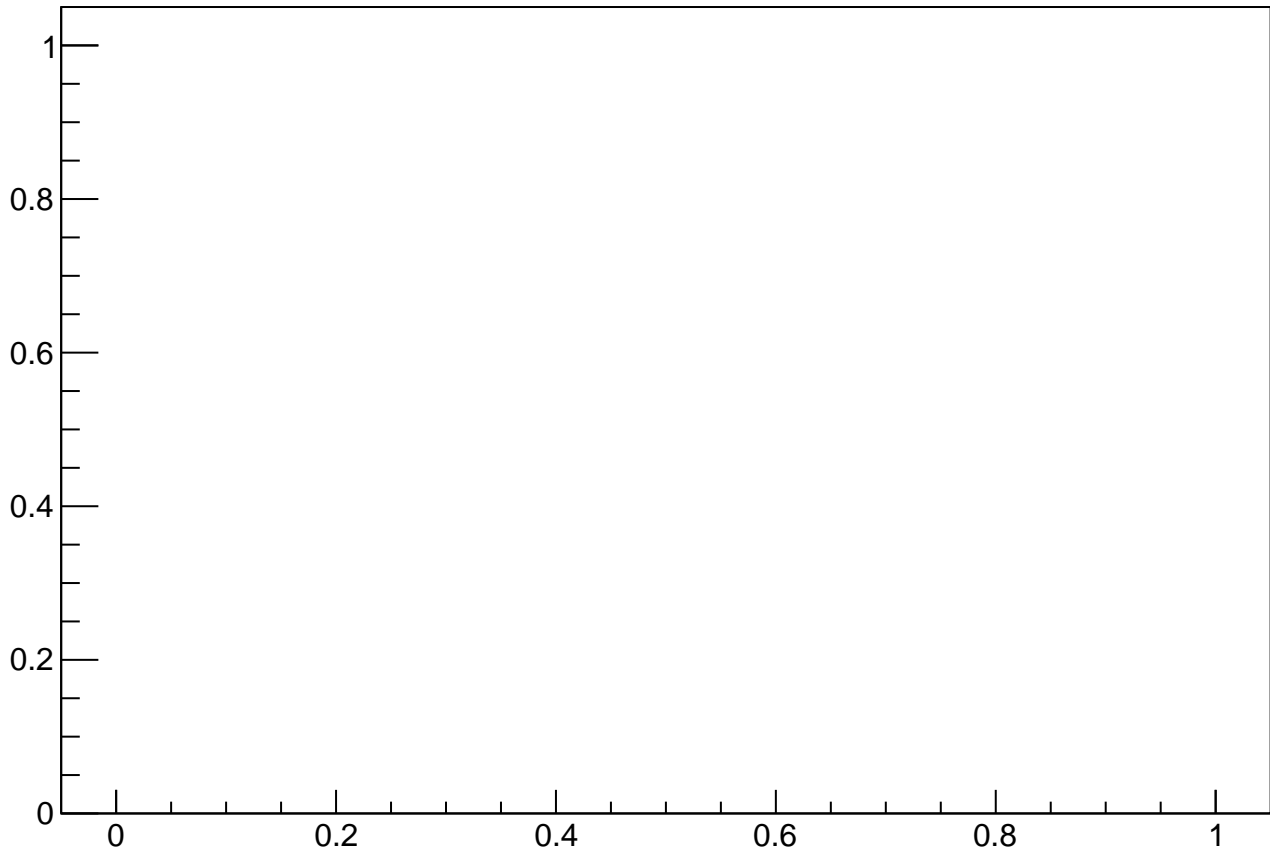
# dit\_sam1\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

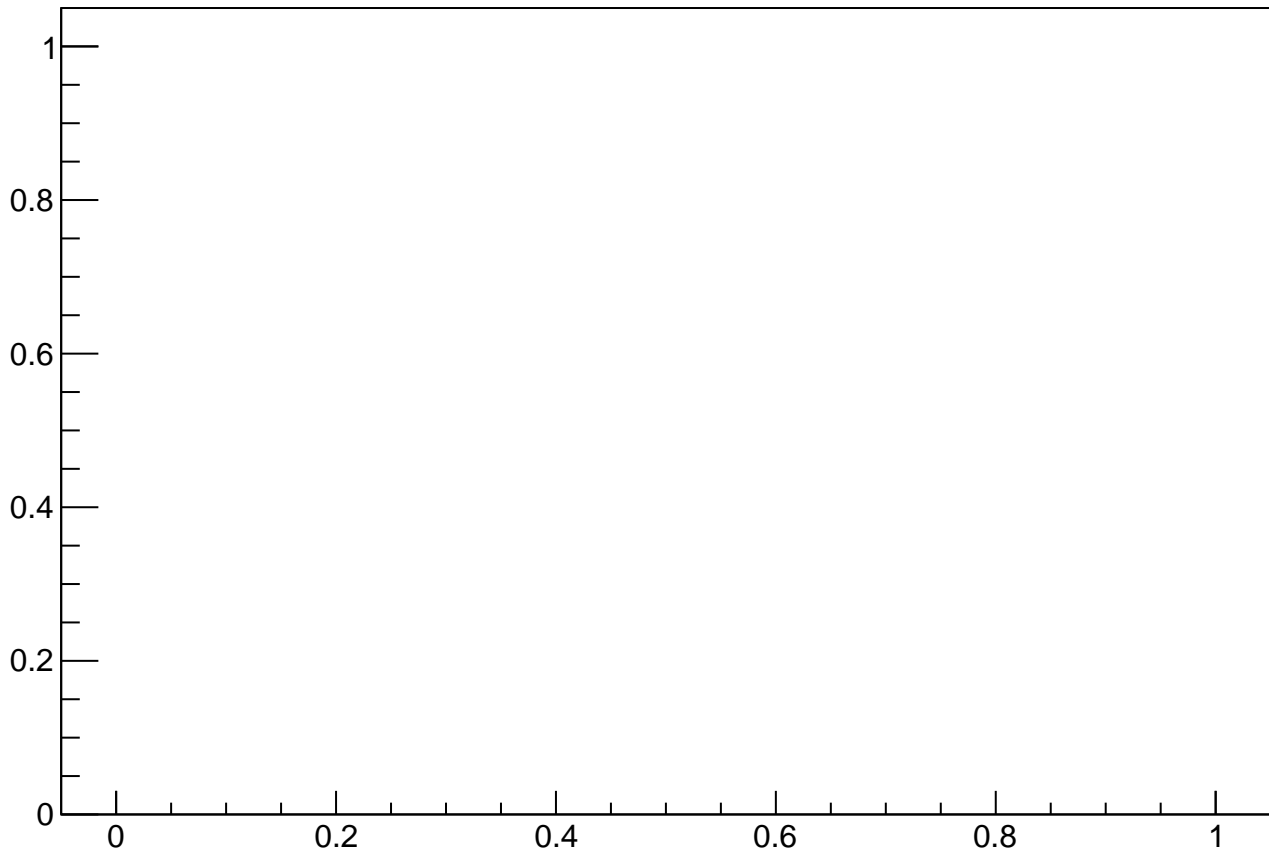
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

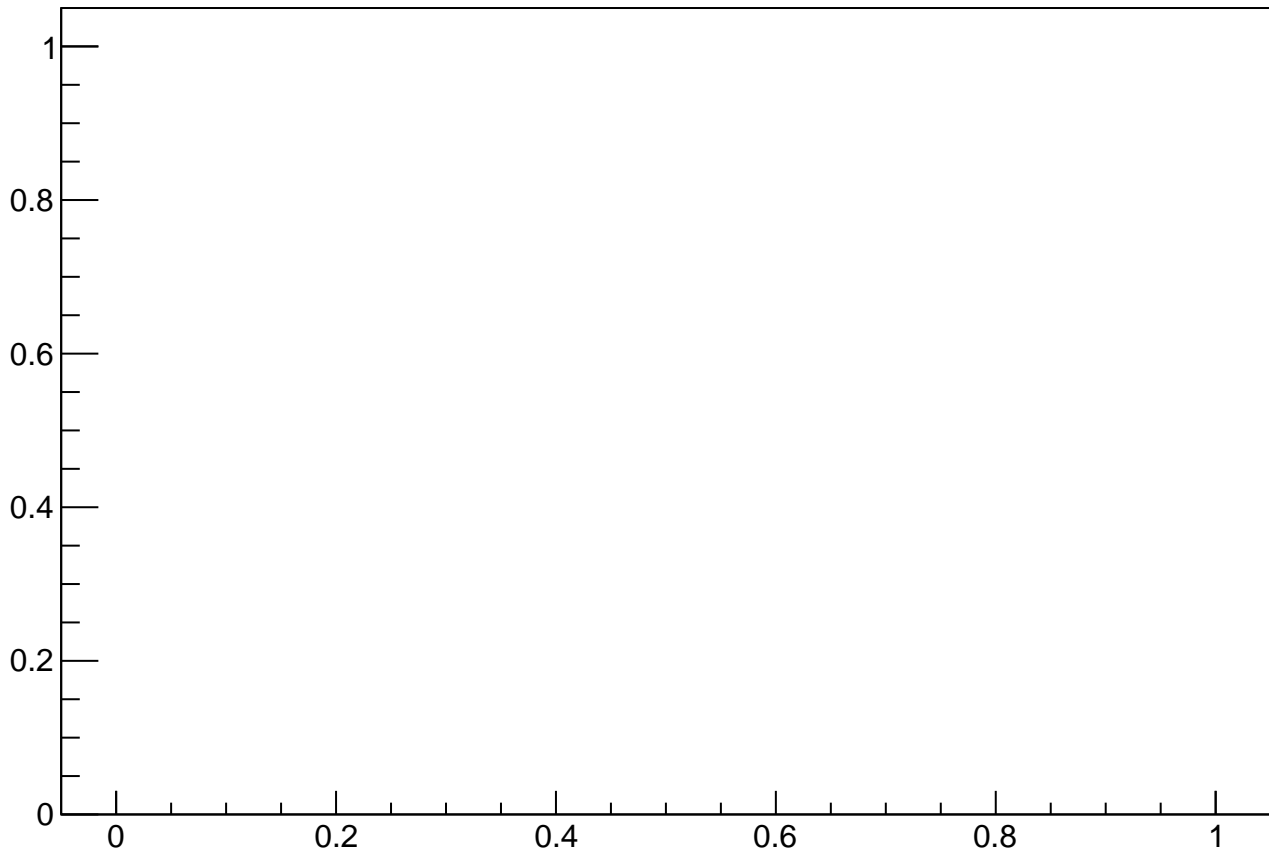
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam3\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

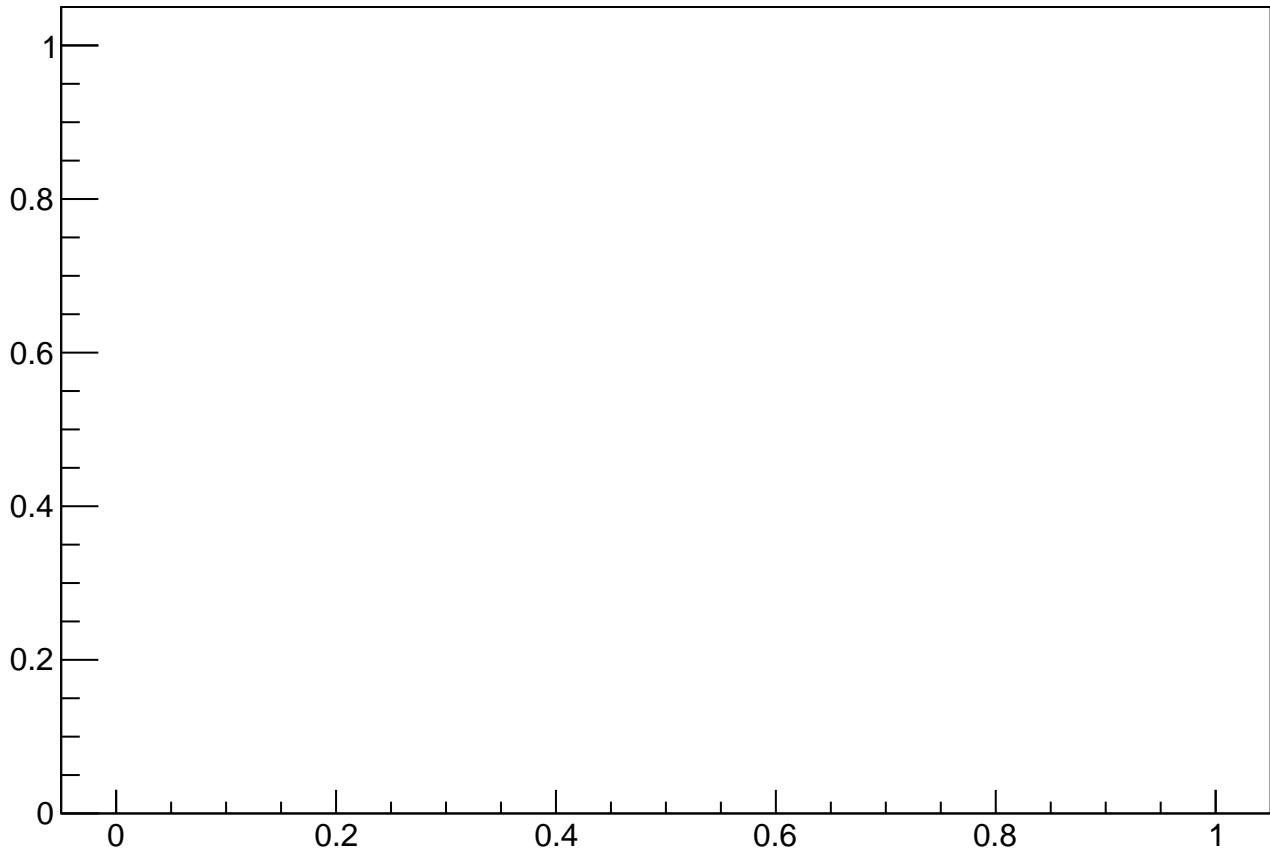
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

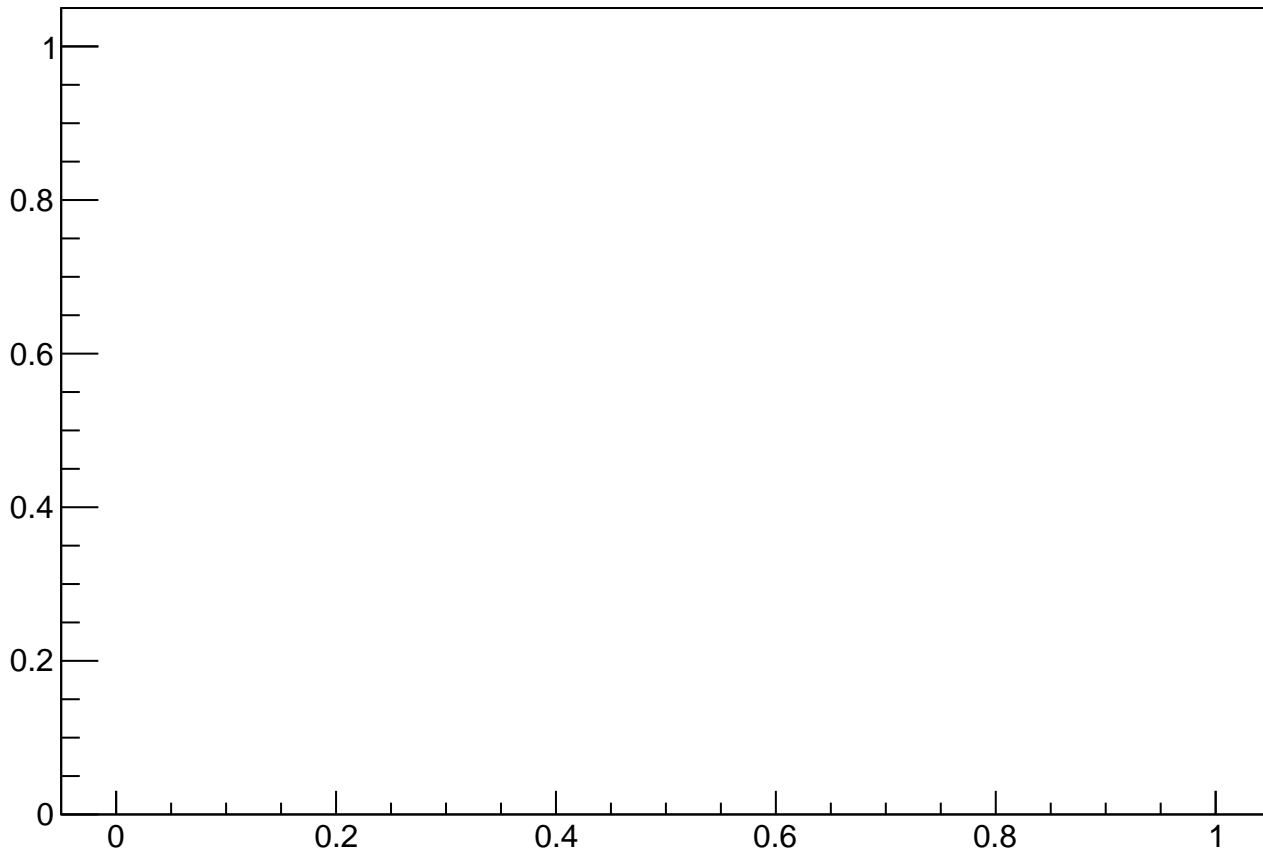
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

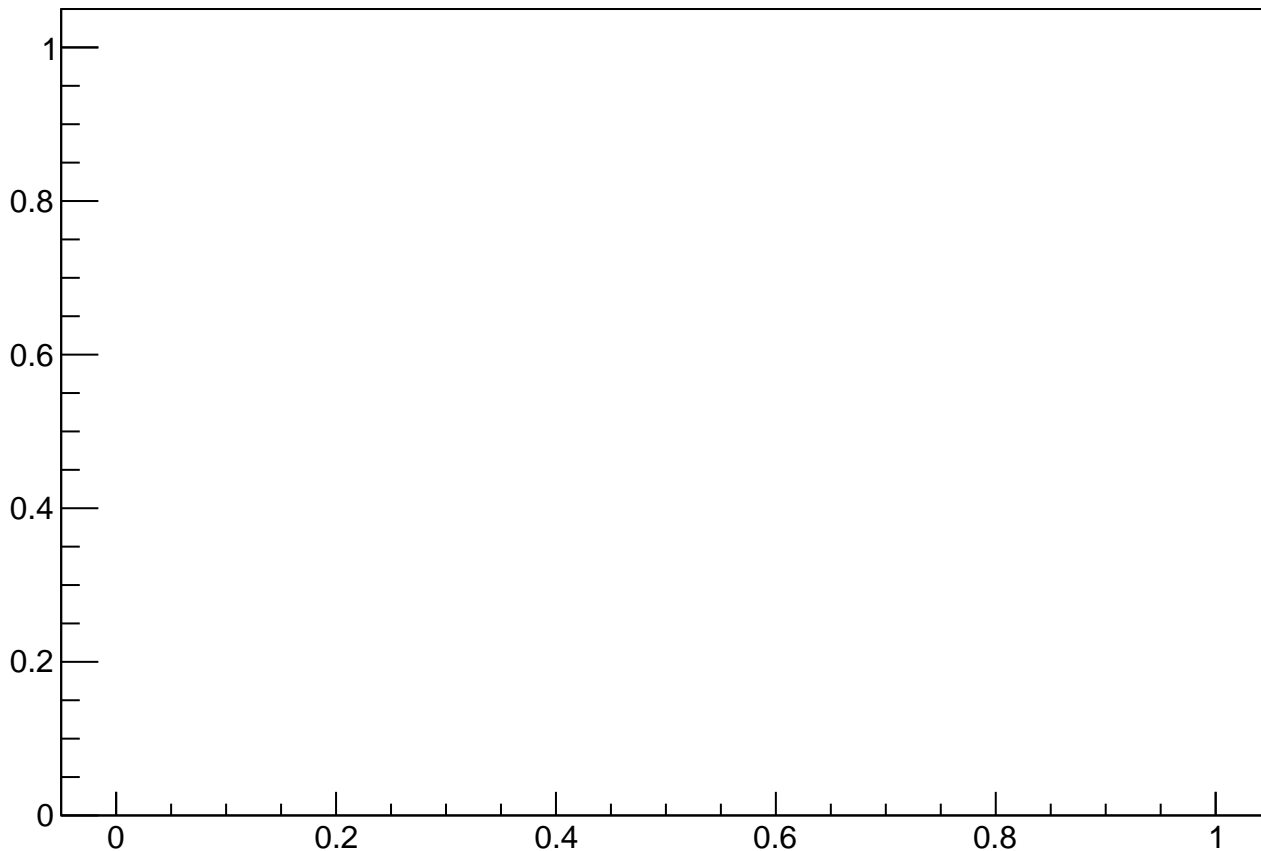
# dit\_sam4\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

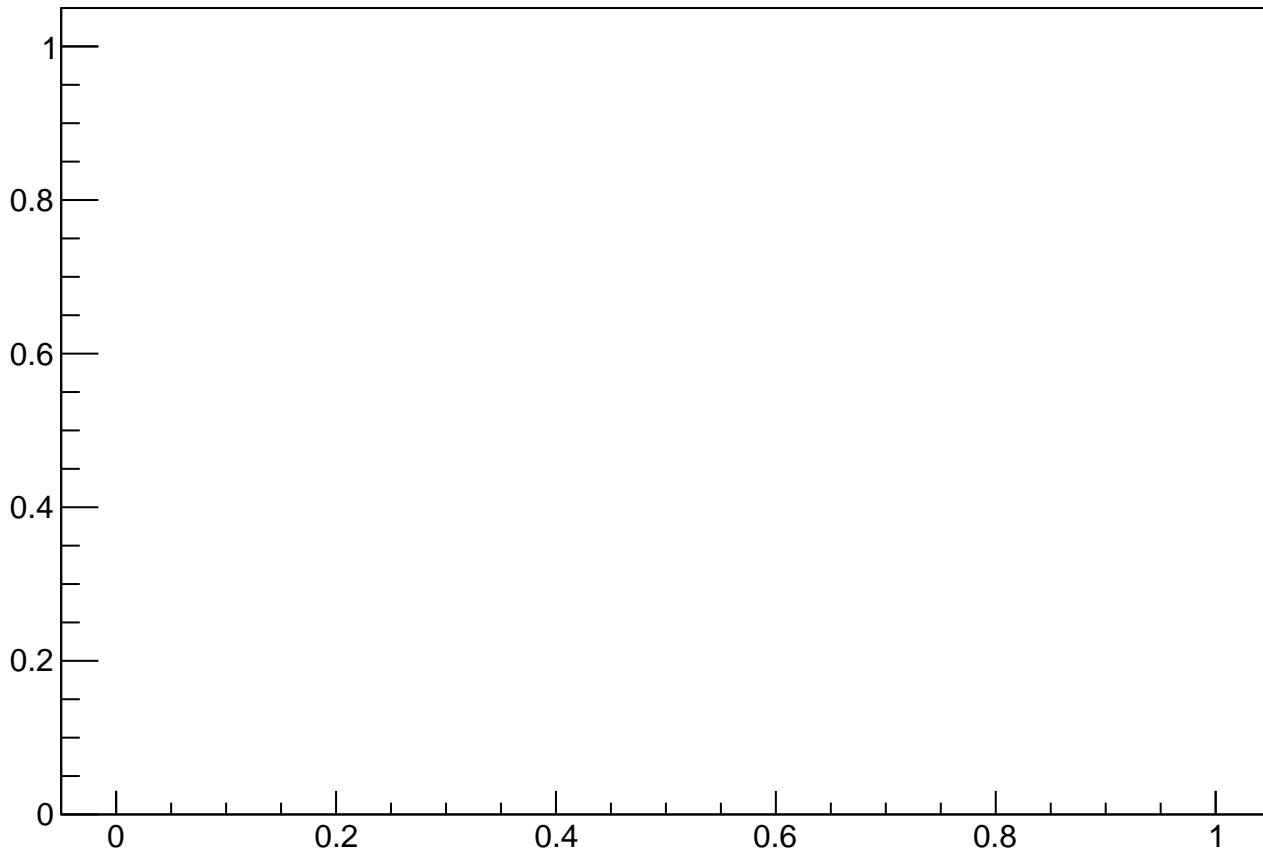
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

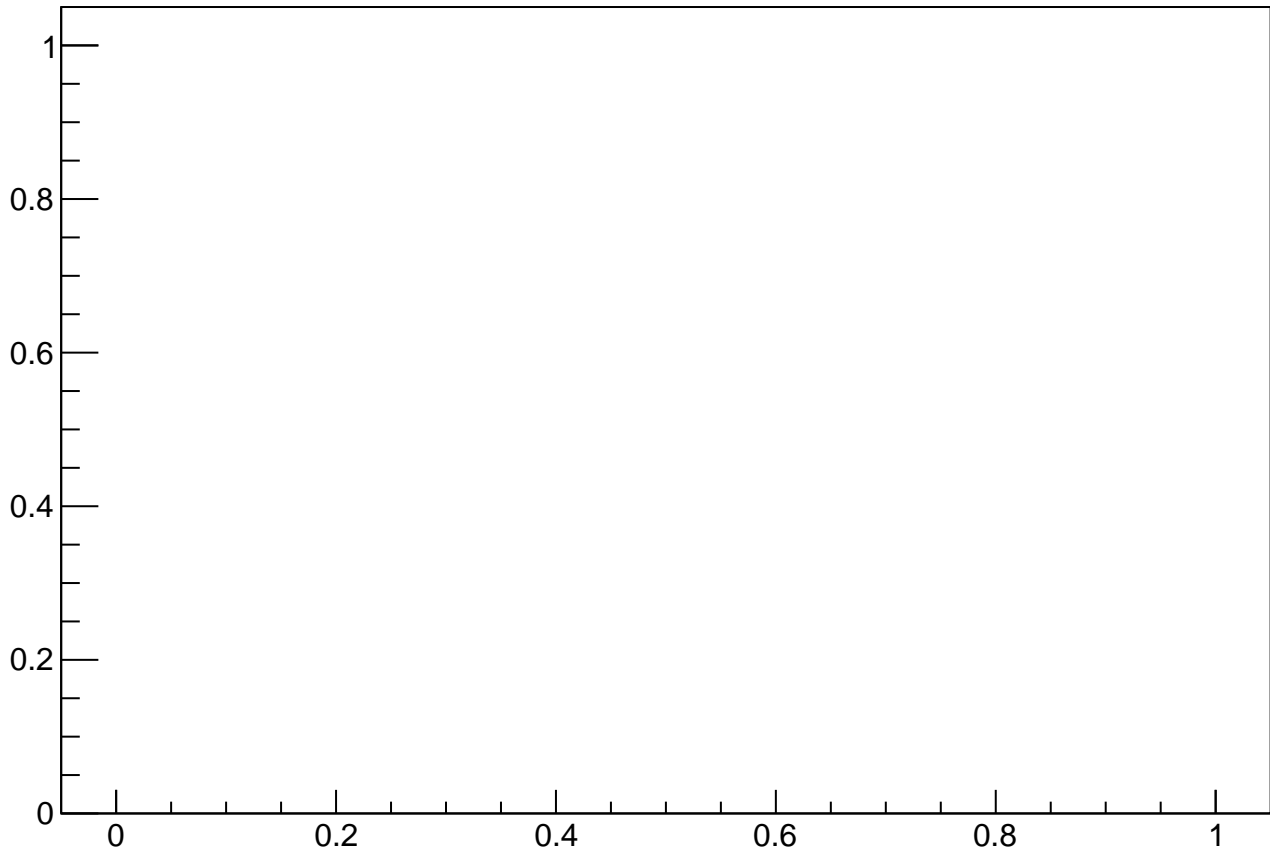
# dit\_sam5\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

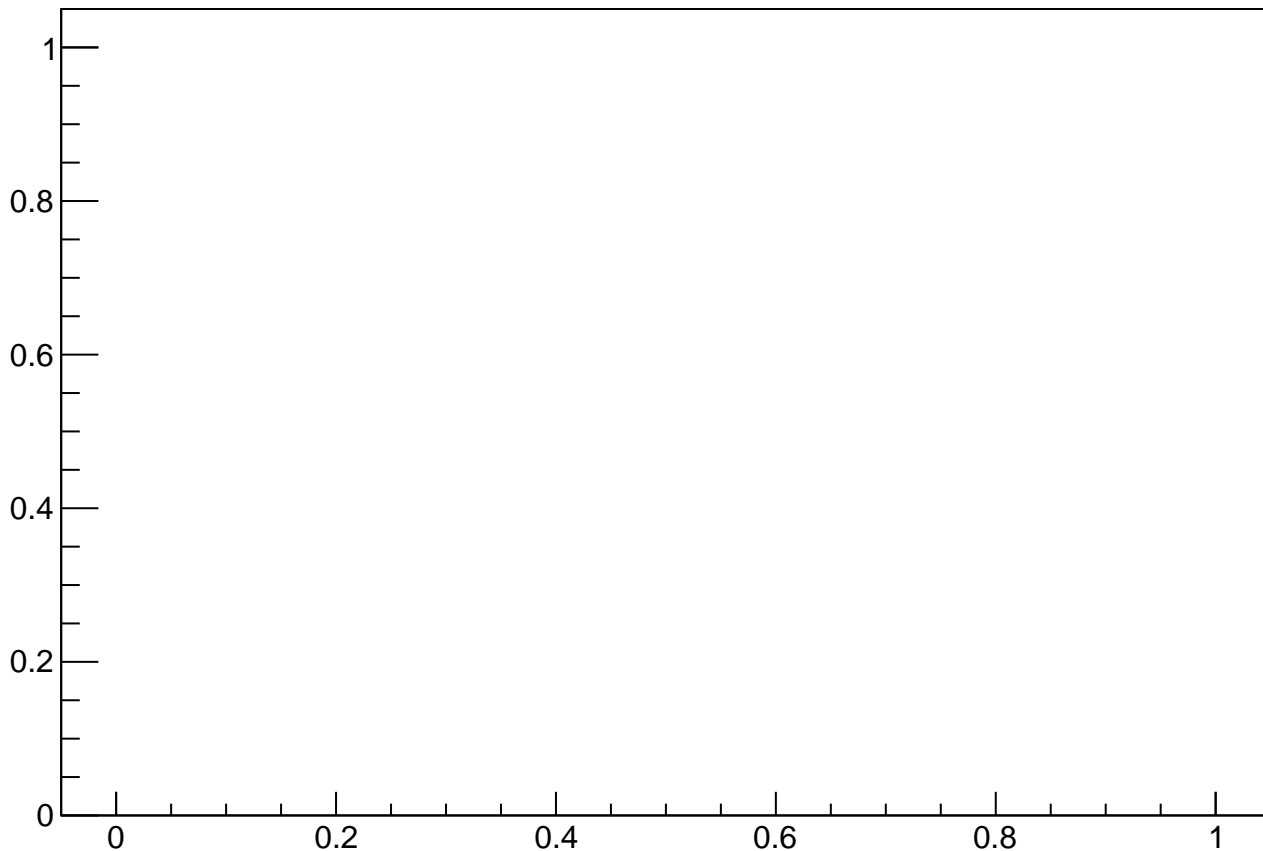
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

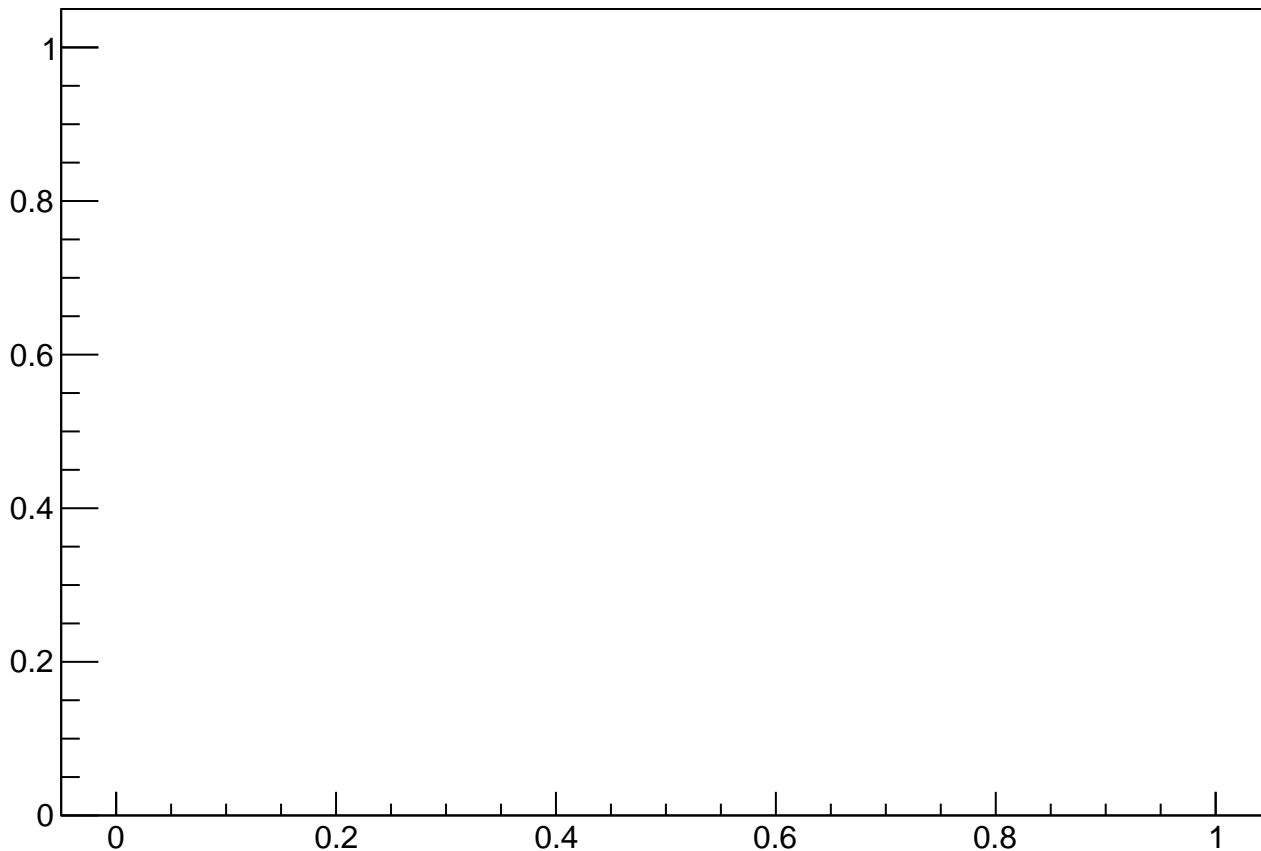
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

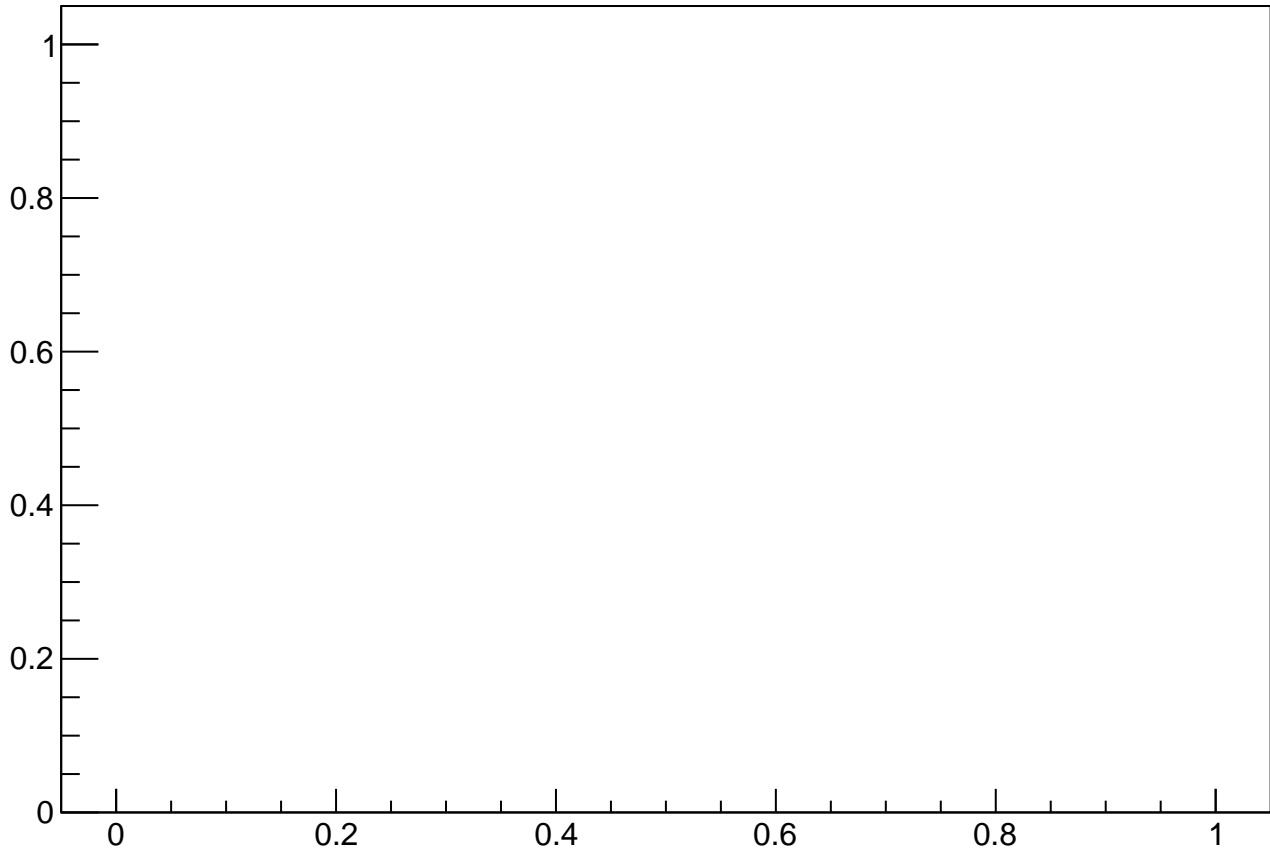
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil5\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

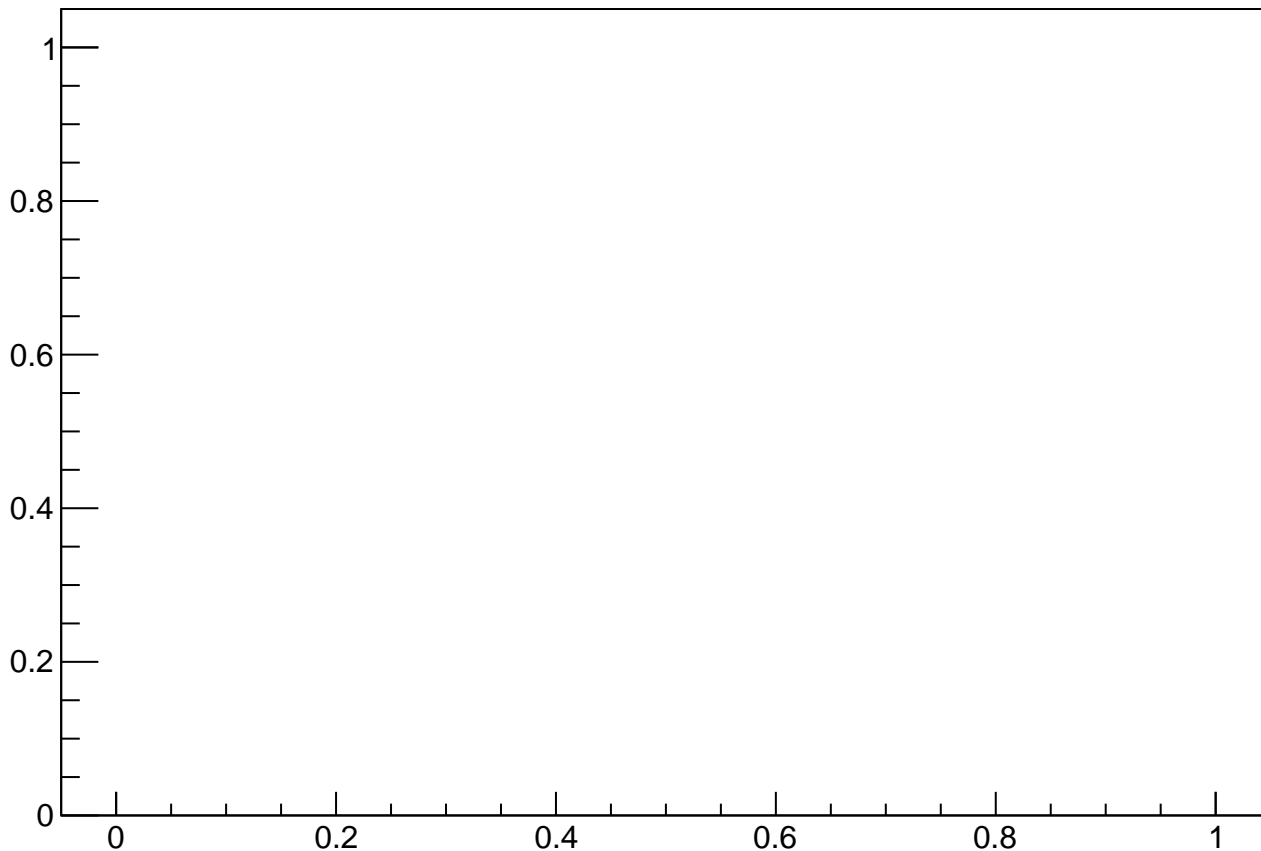
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil5\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

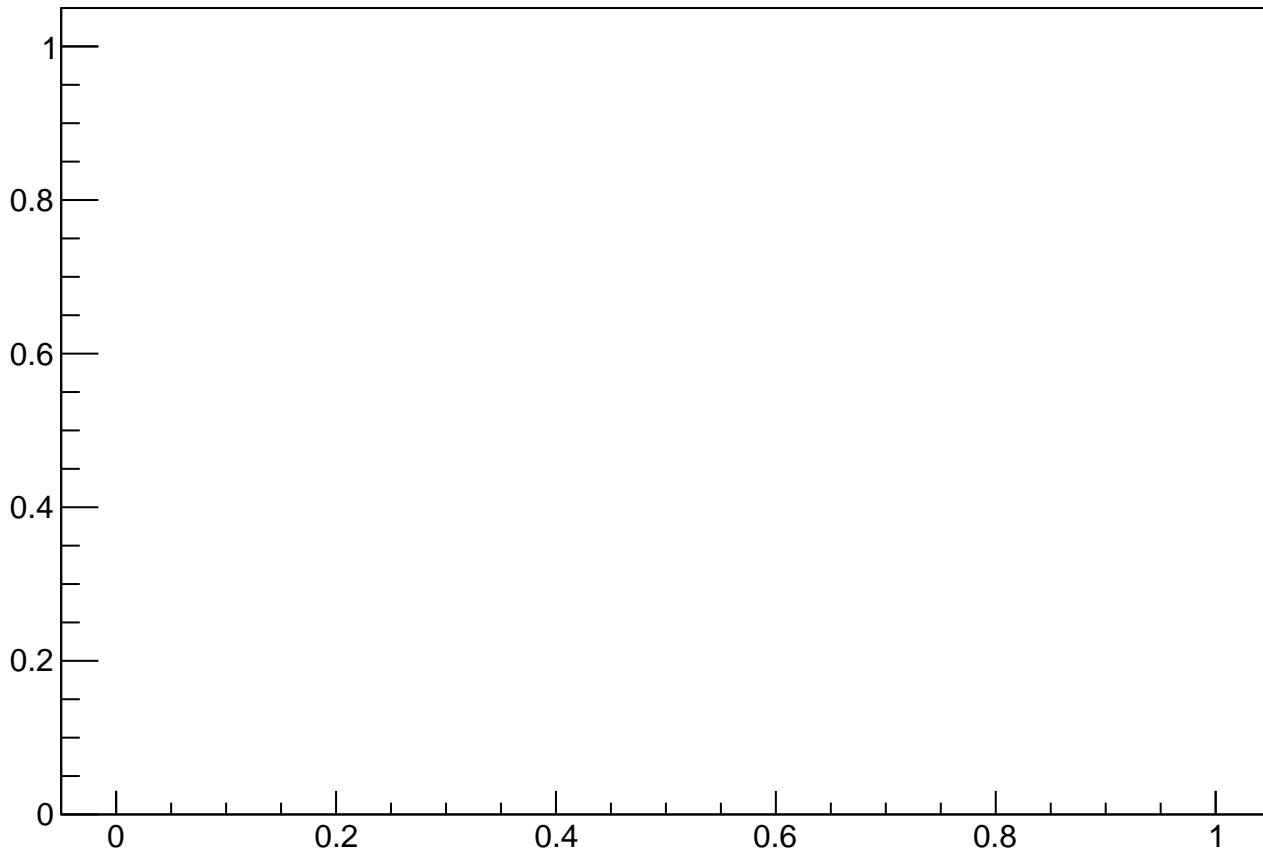
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil5\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

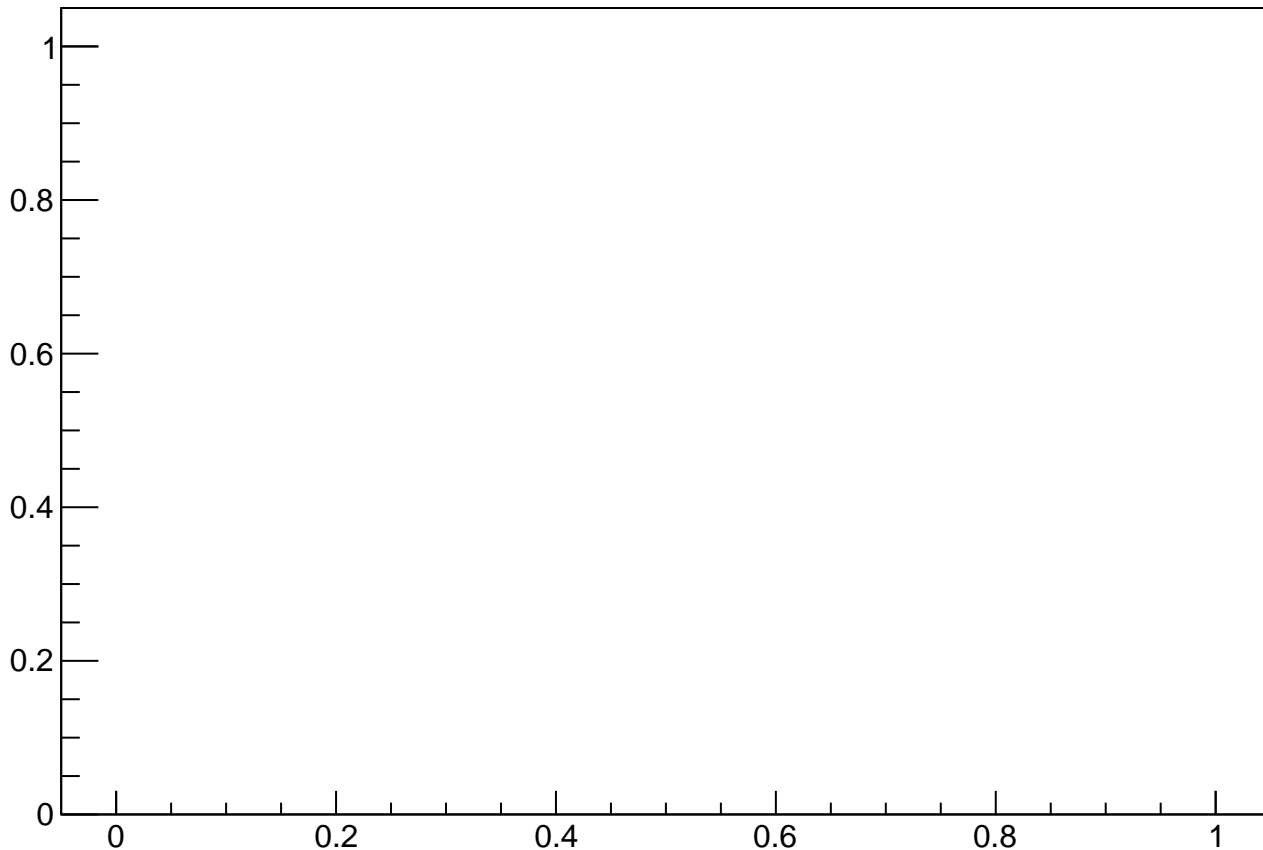
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil5\_Ndata\_mean vs Slug, Sign Corrected

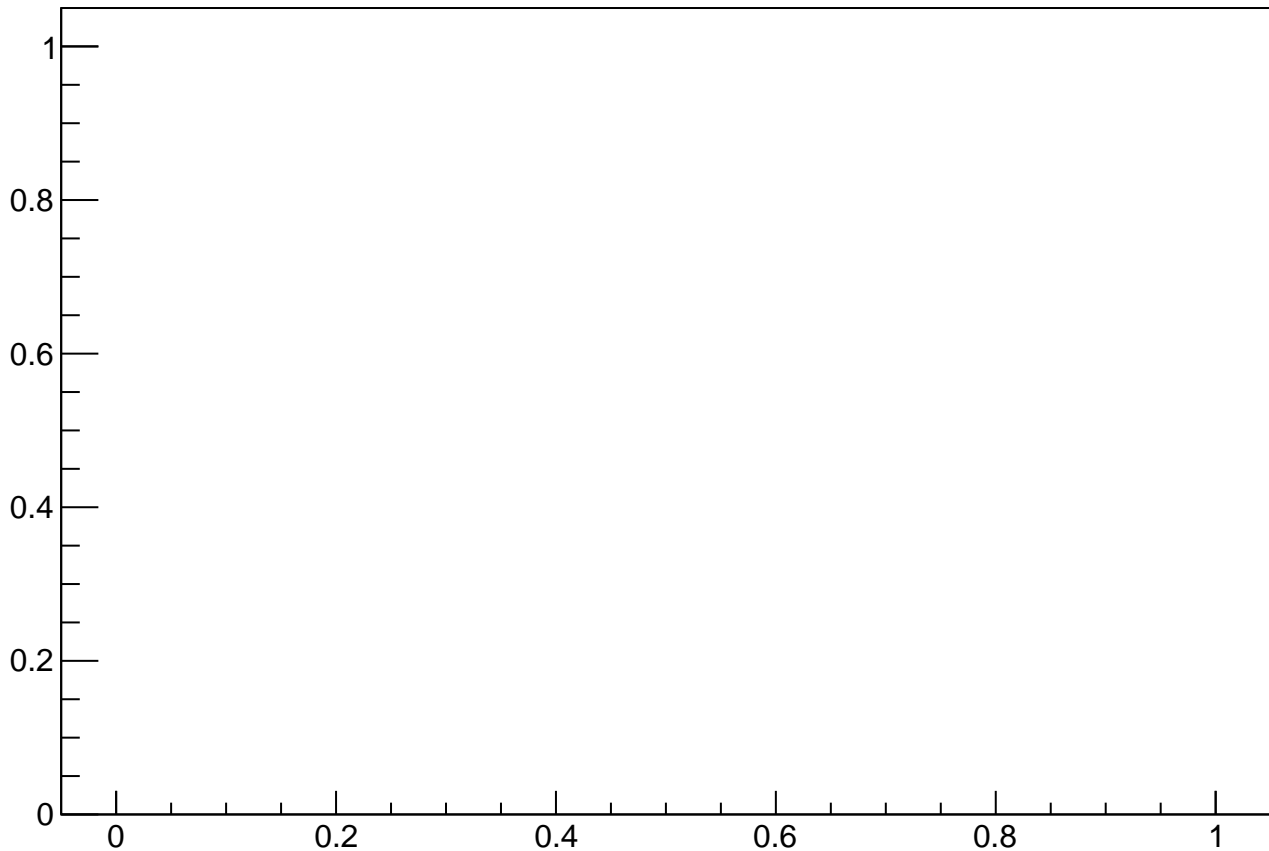


Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_4aX\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

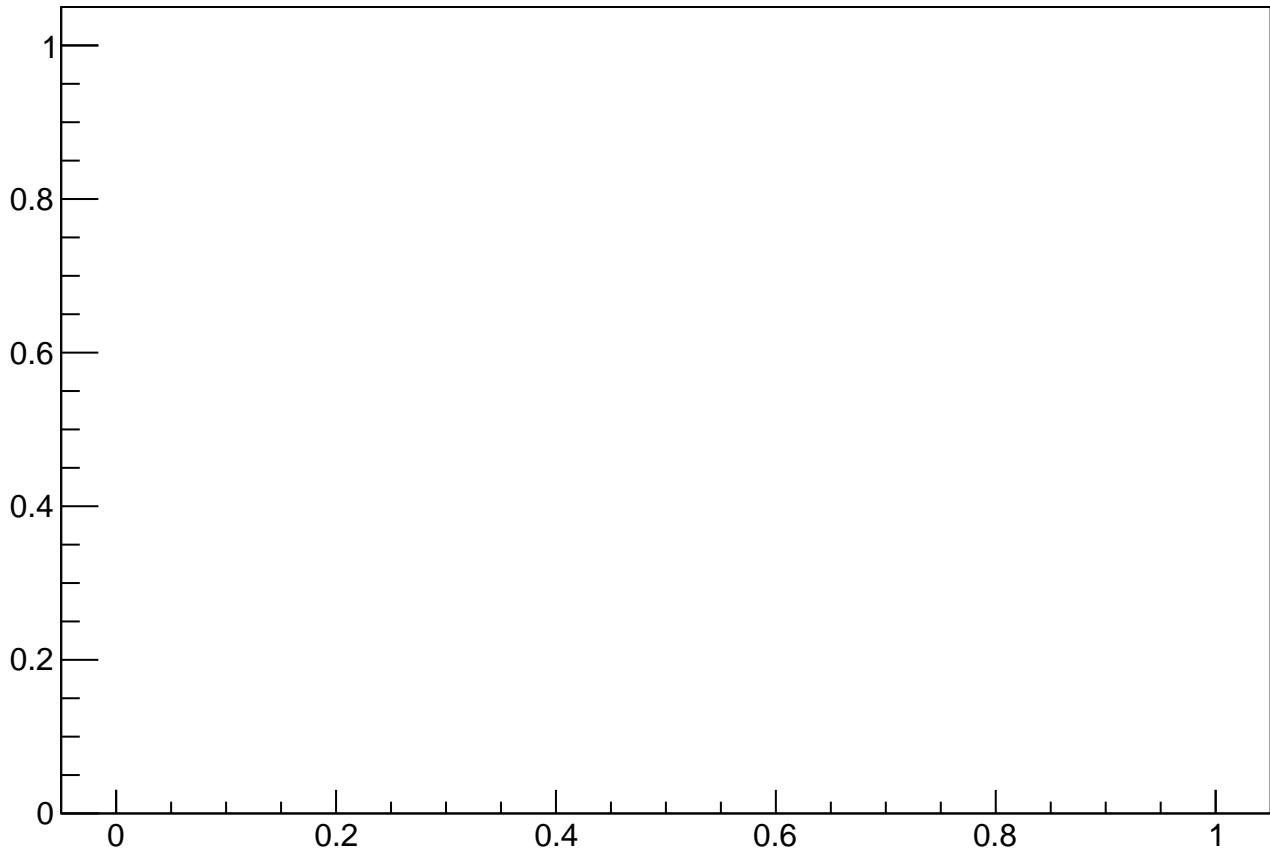
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

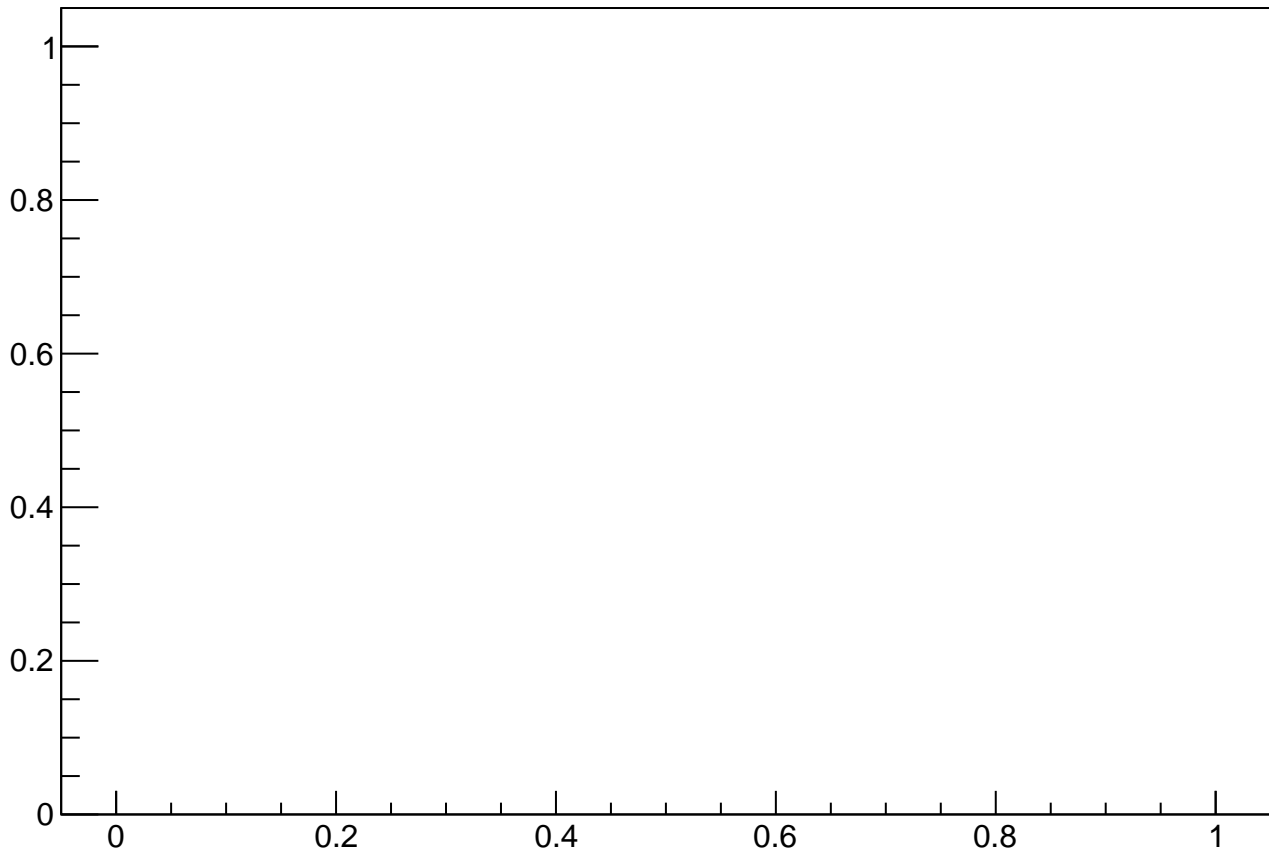
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

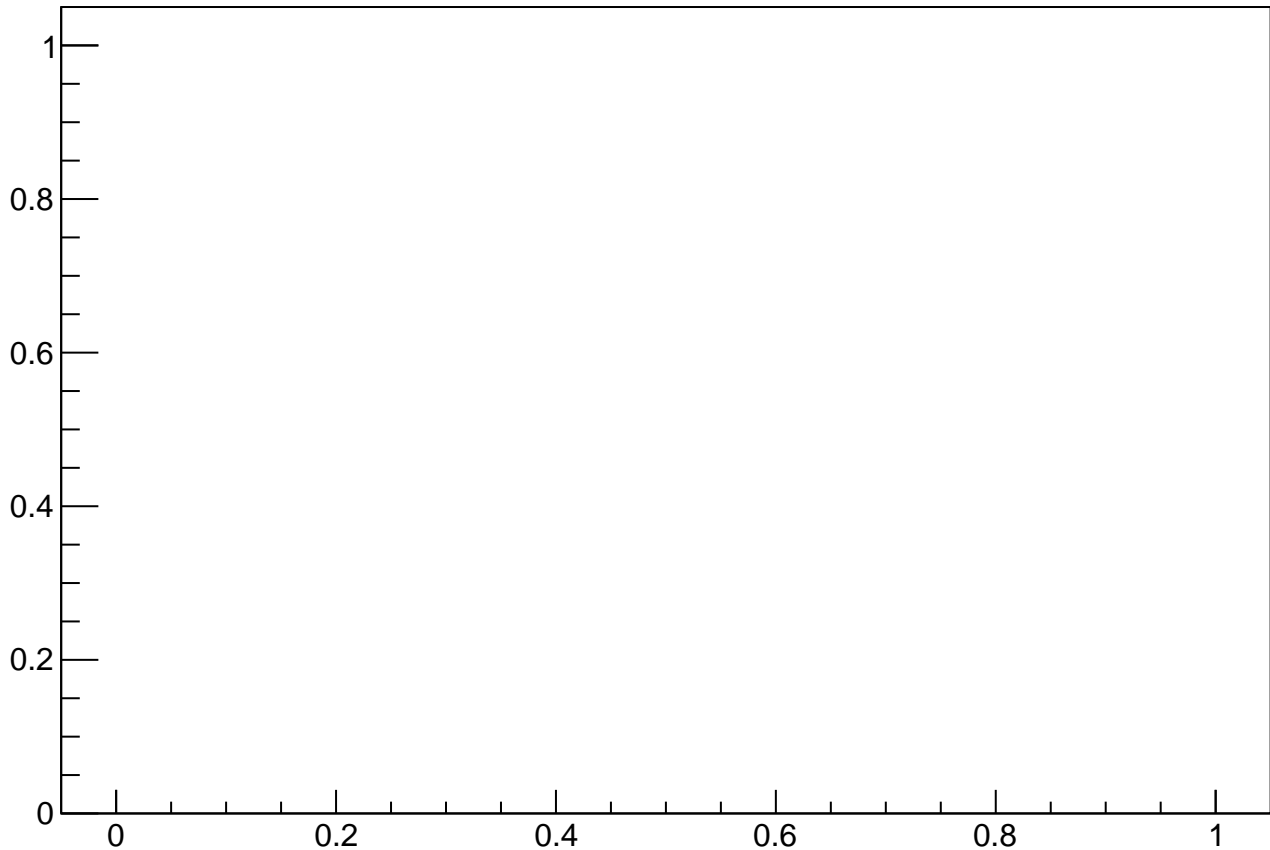
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

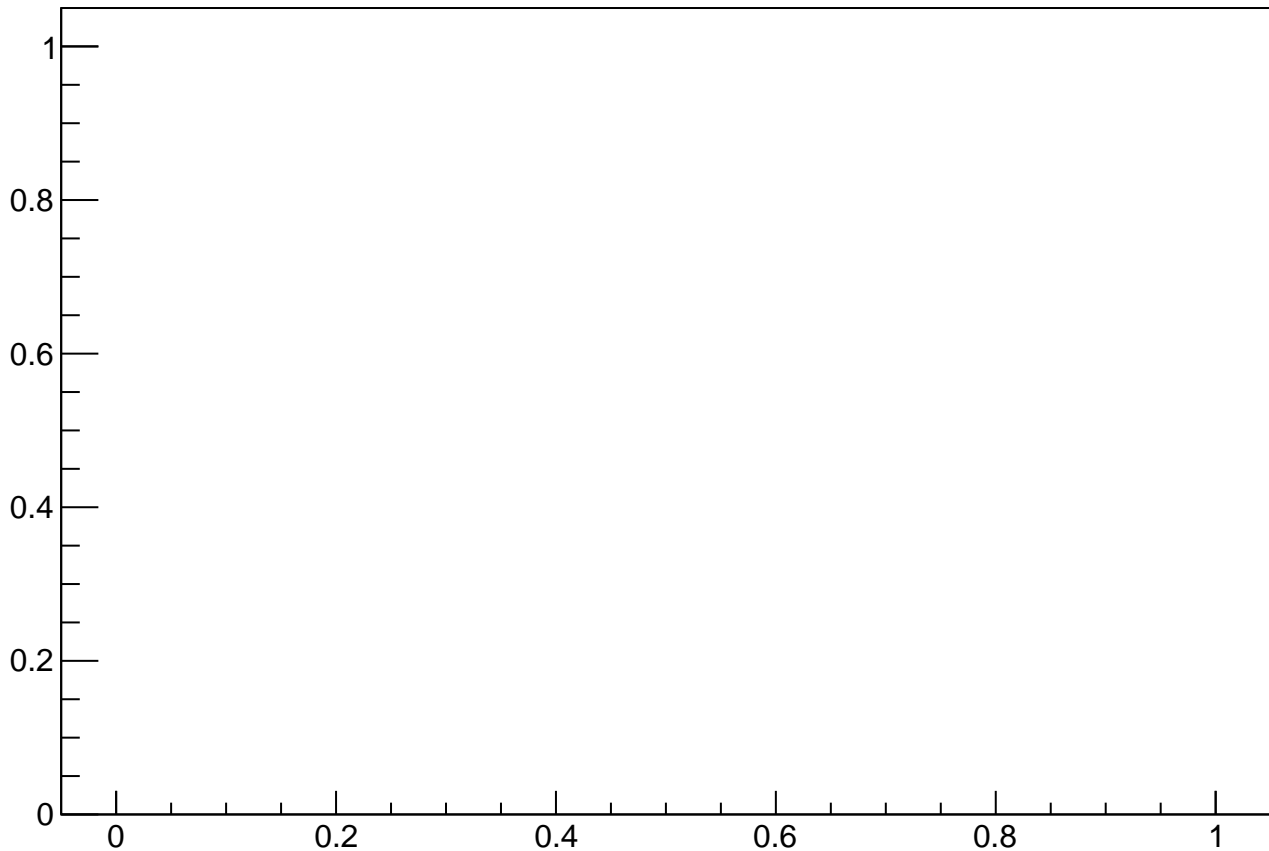
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_11X12X\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

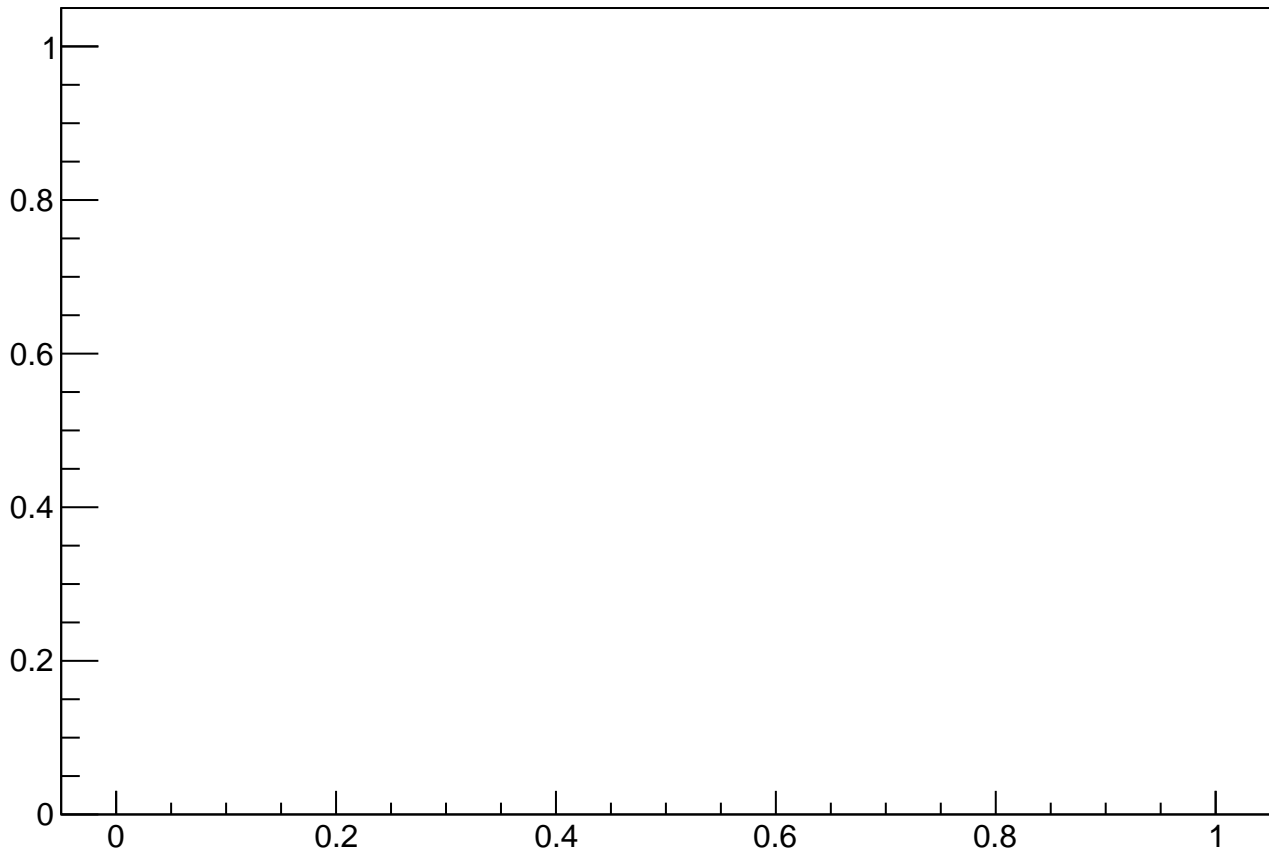
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aY\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

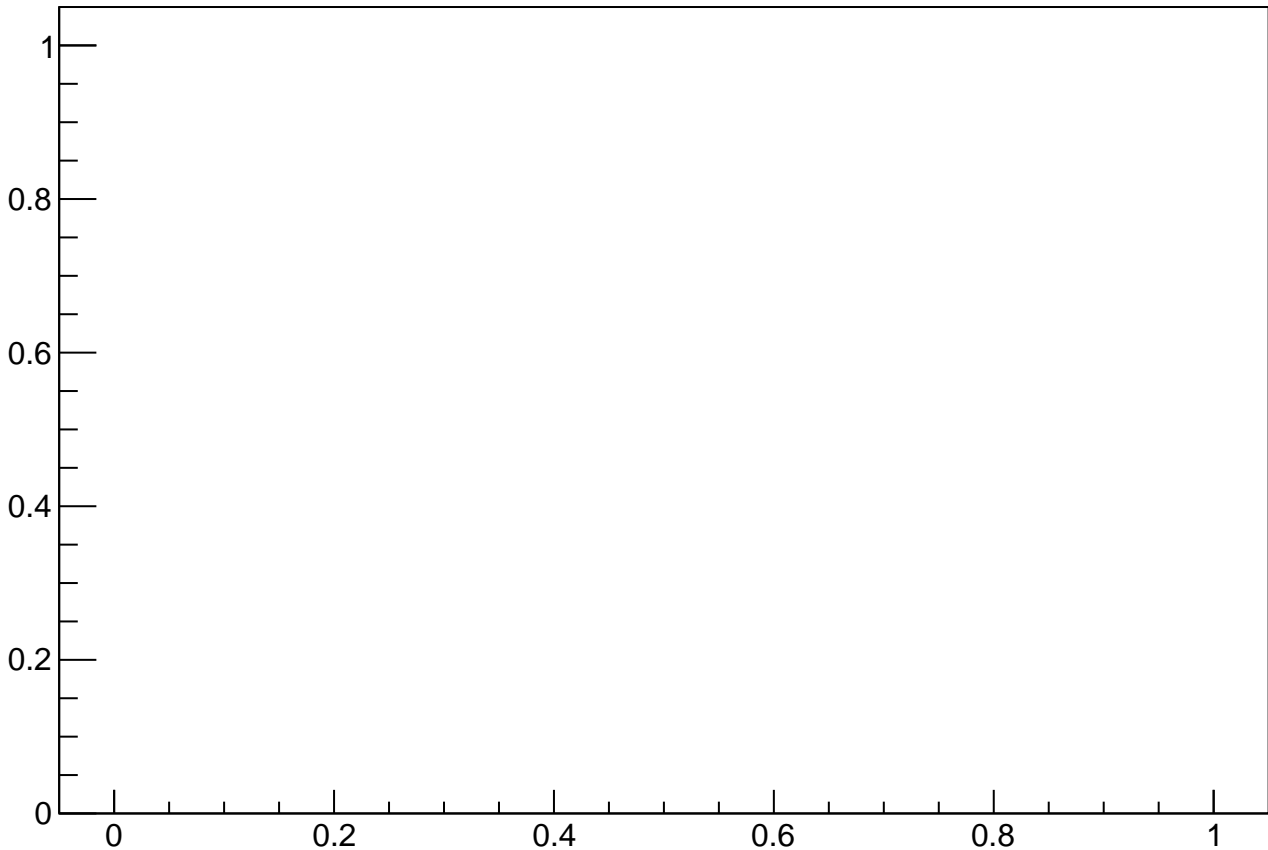
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

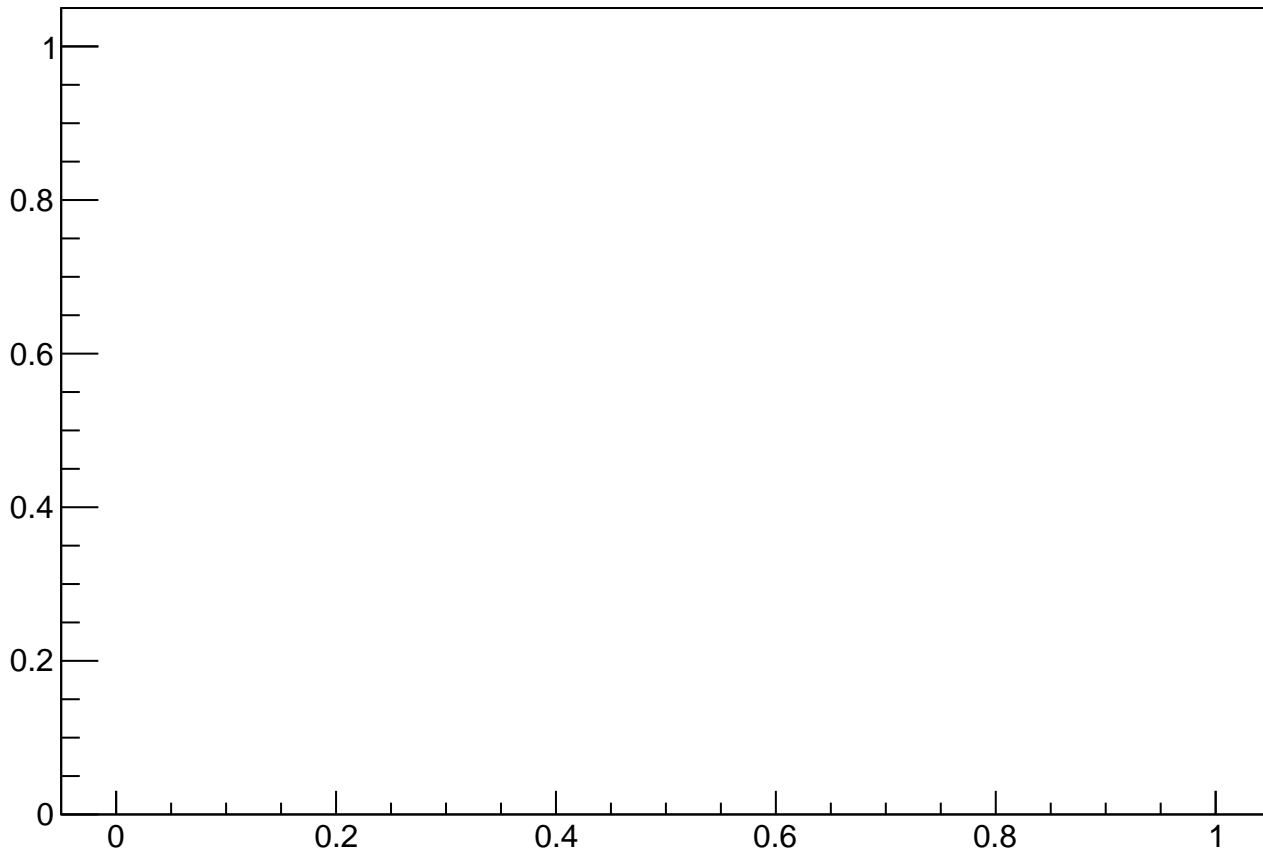
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

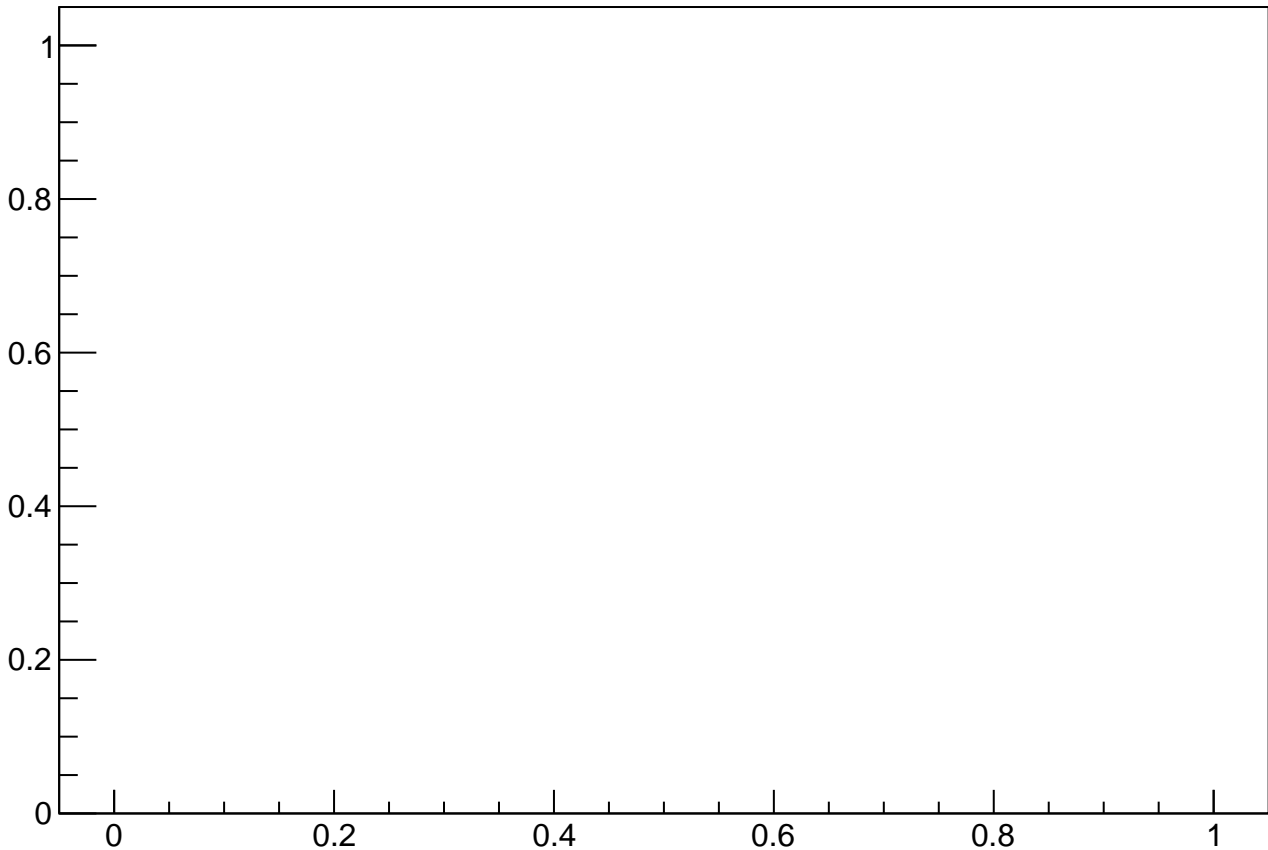
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

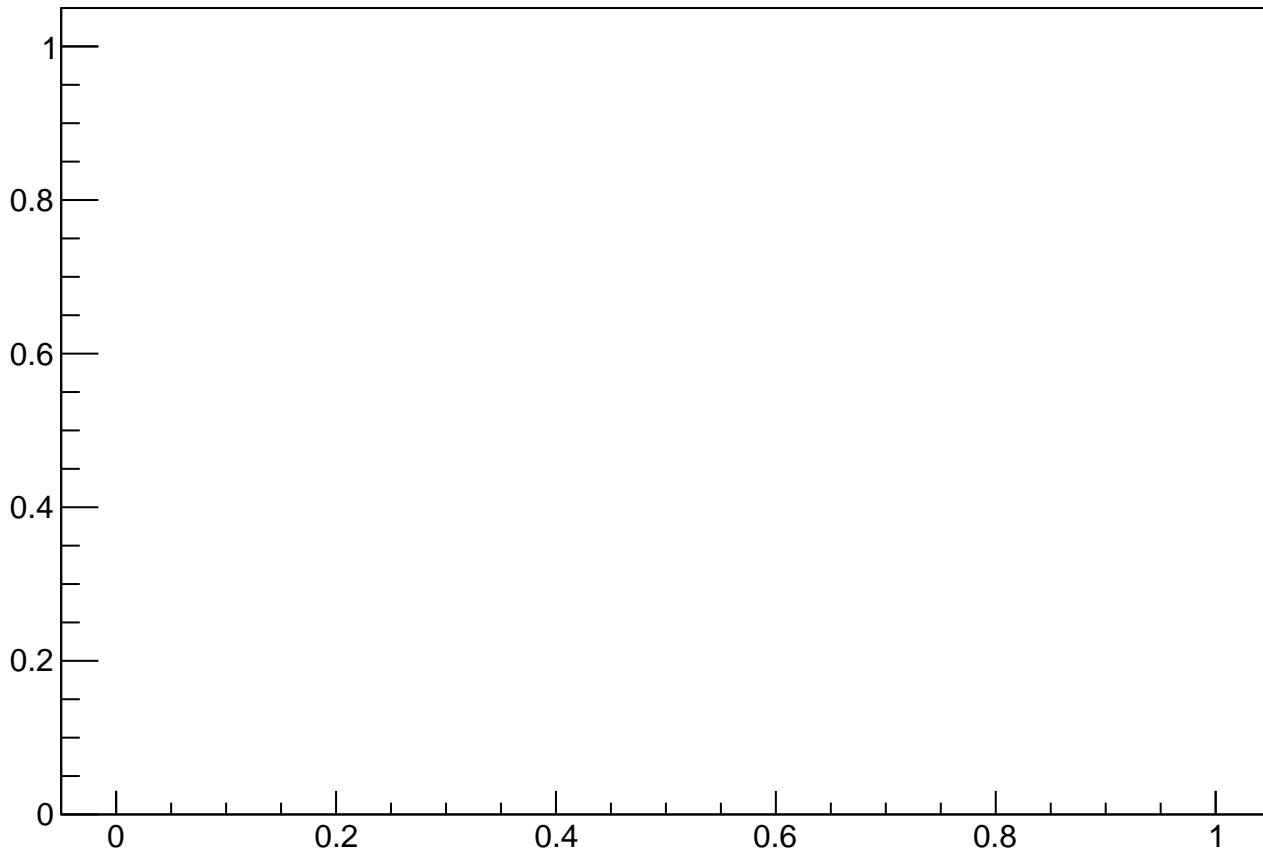
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

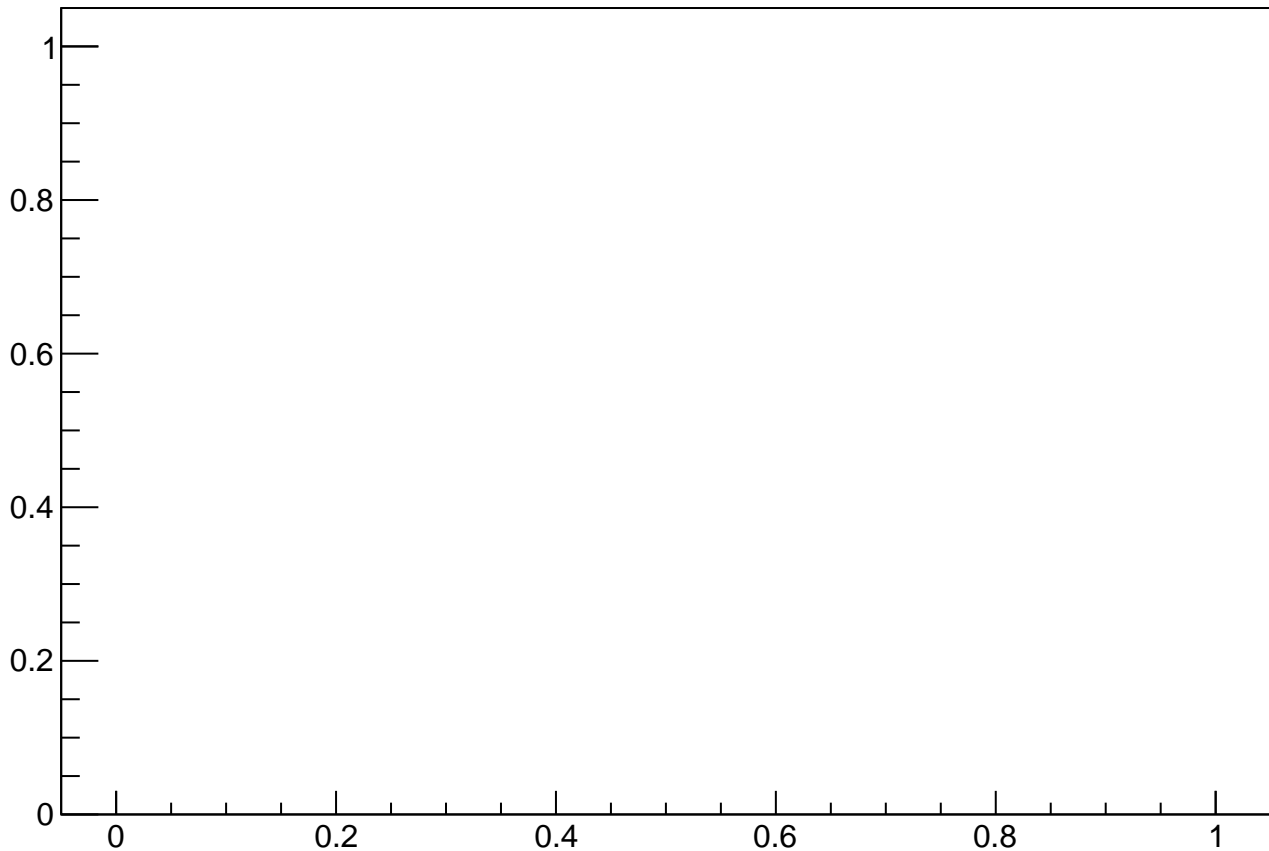
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_usl\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

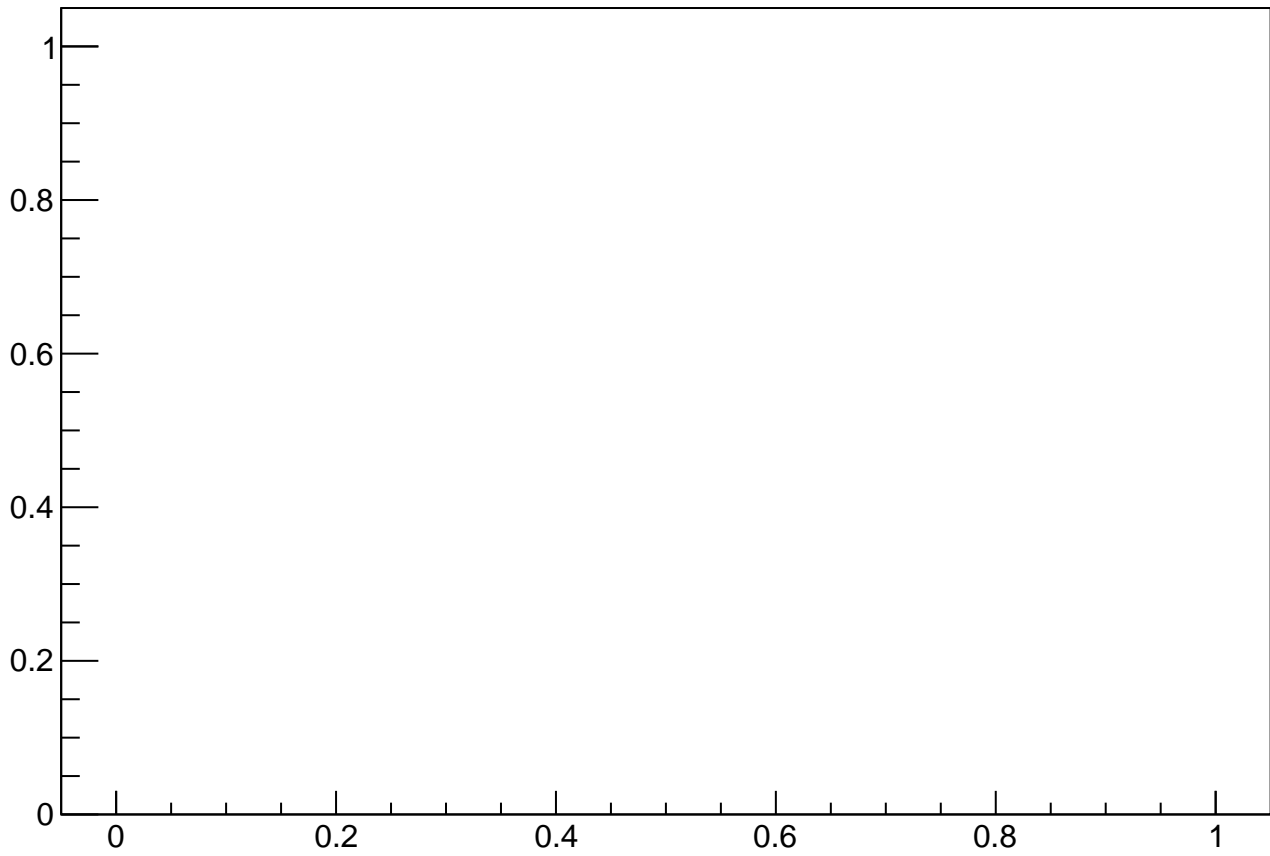
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usl\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

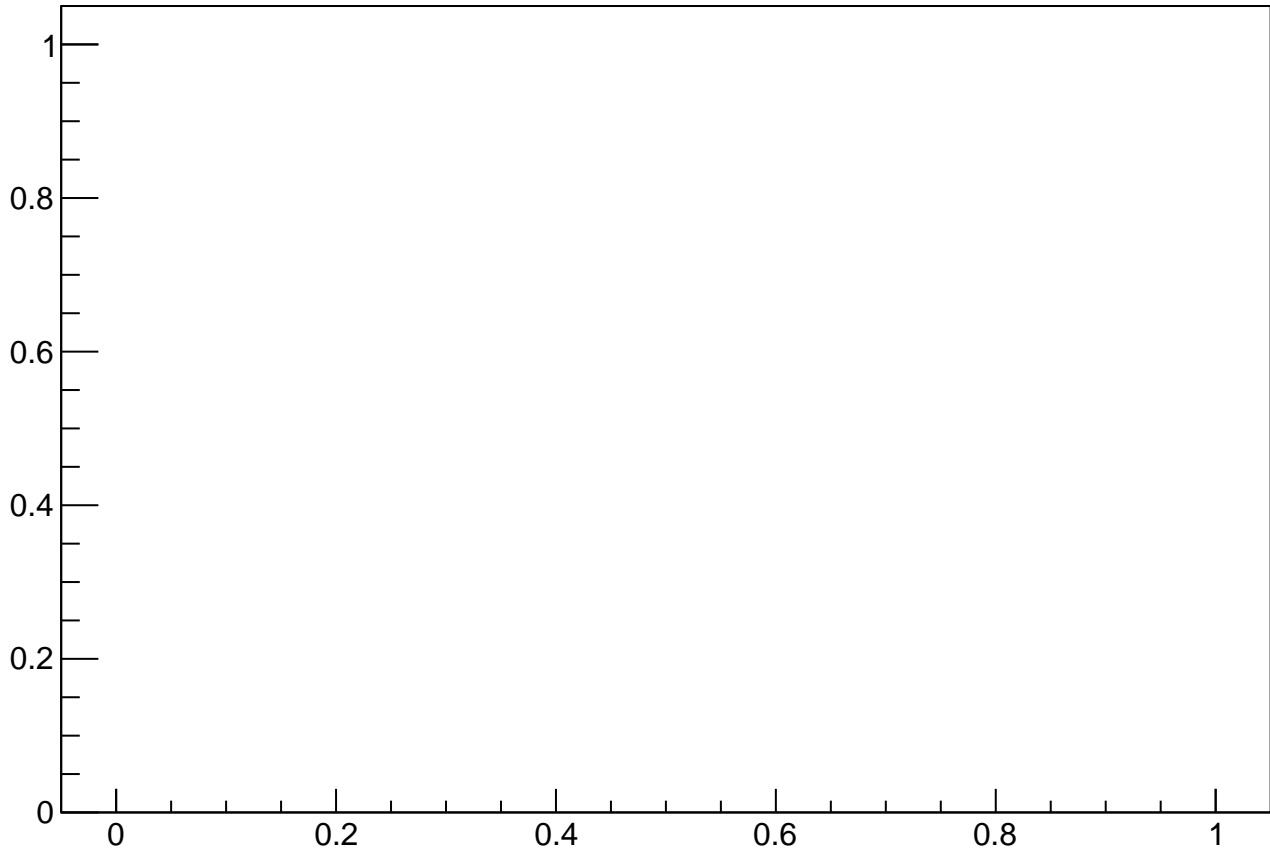
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

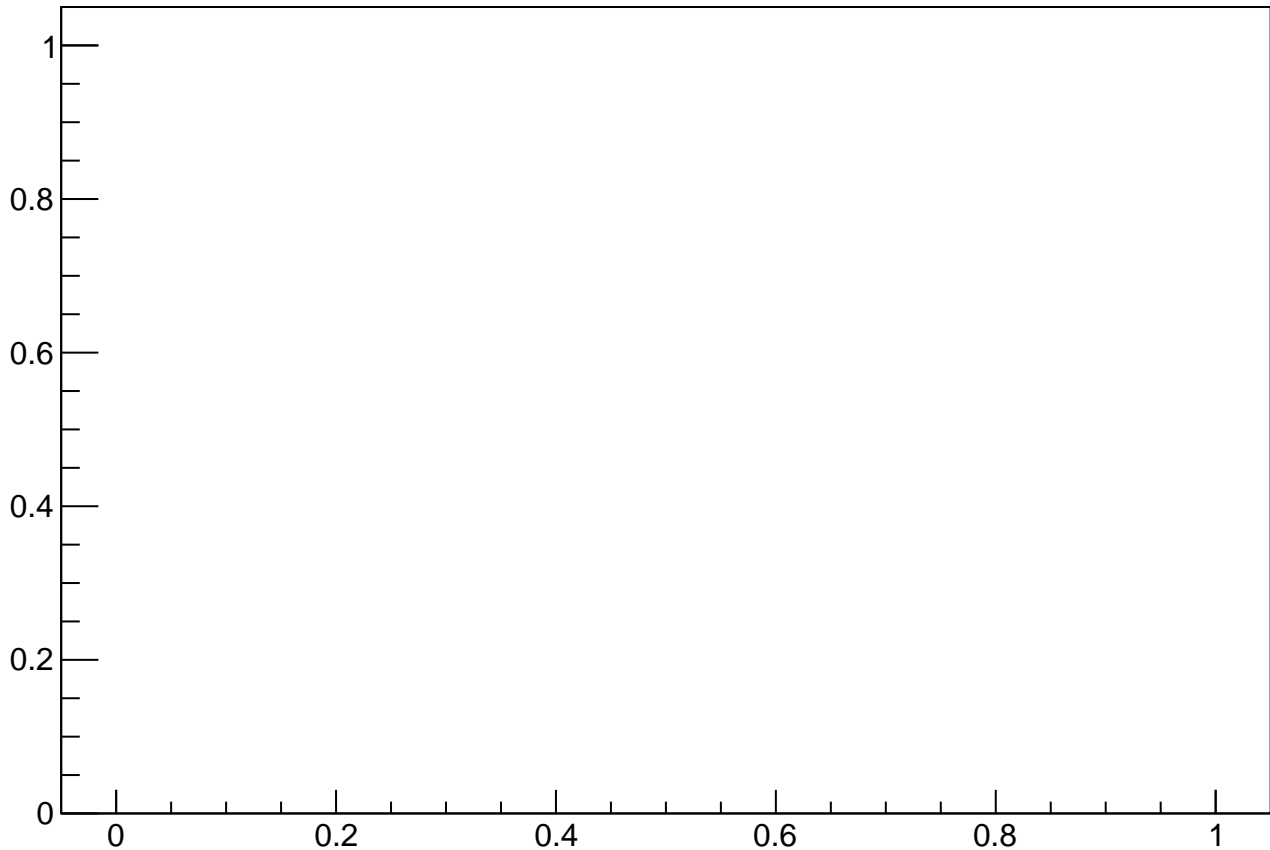
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

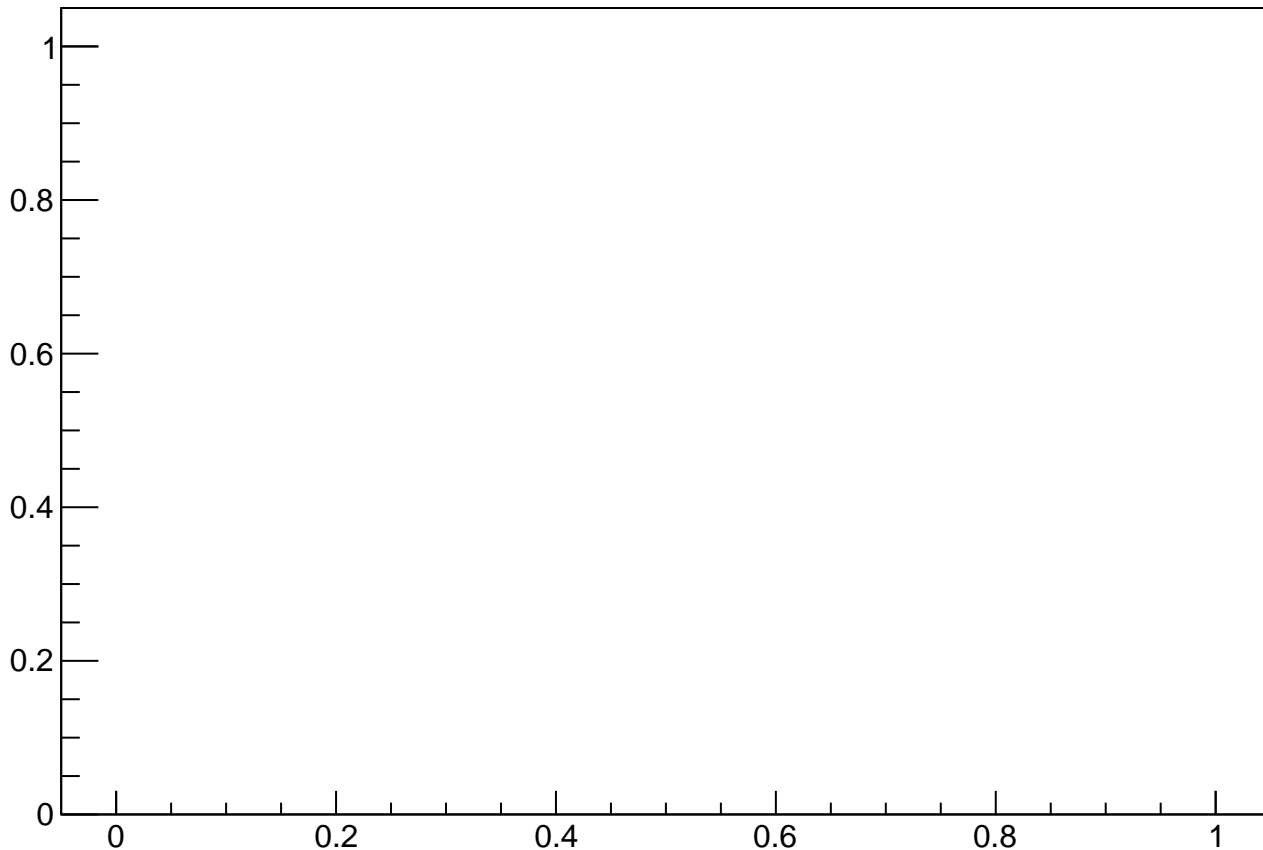
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

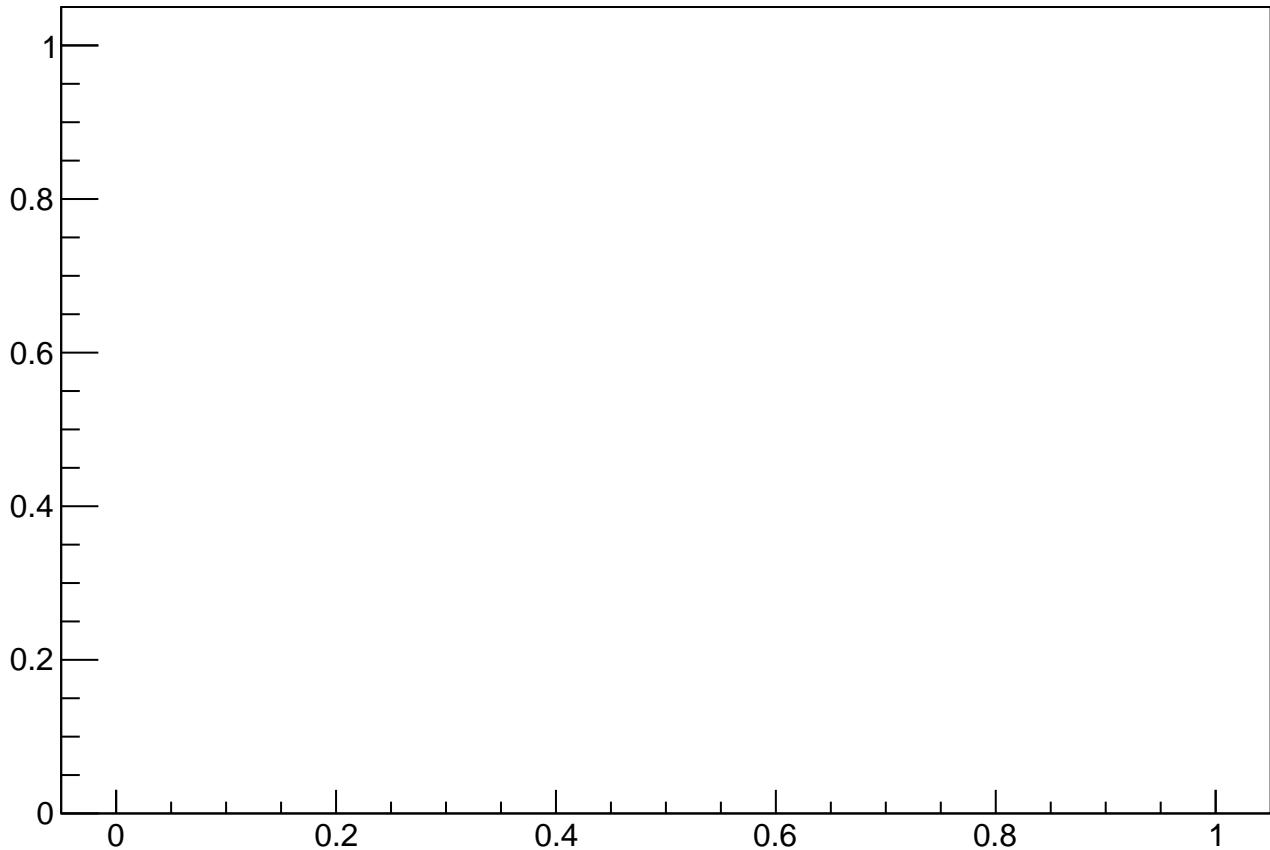
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl2\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

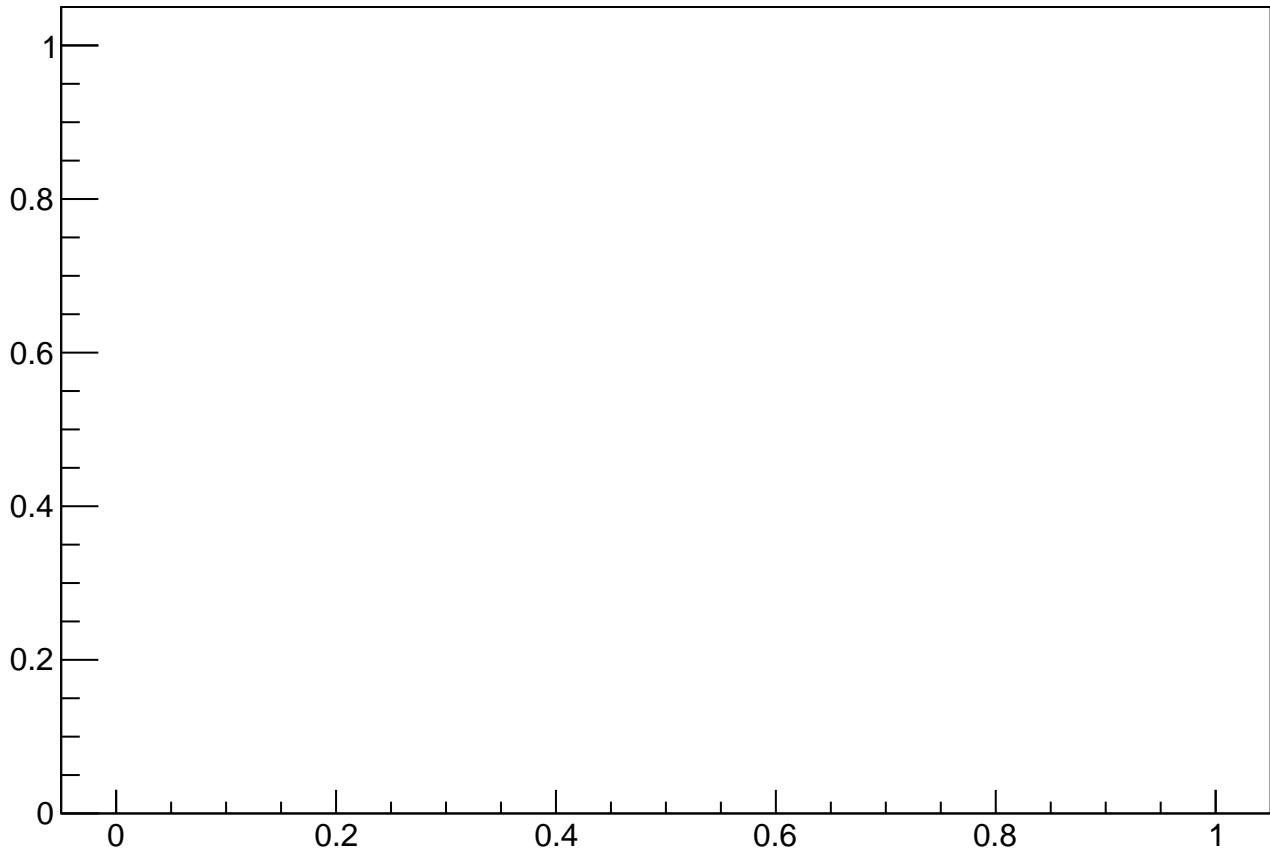
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl2\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

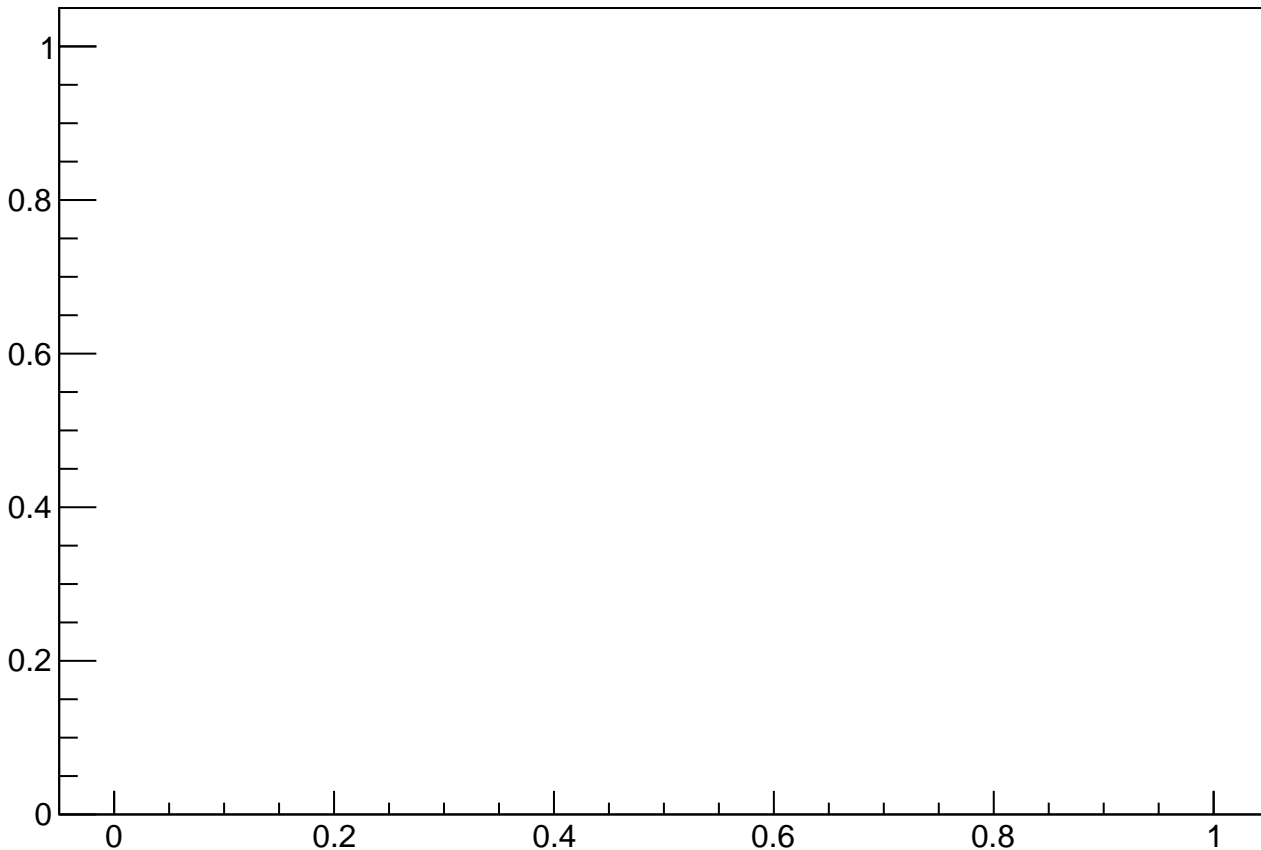
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

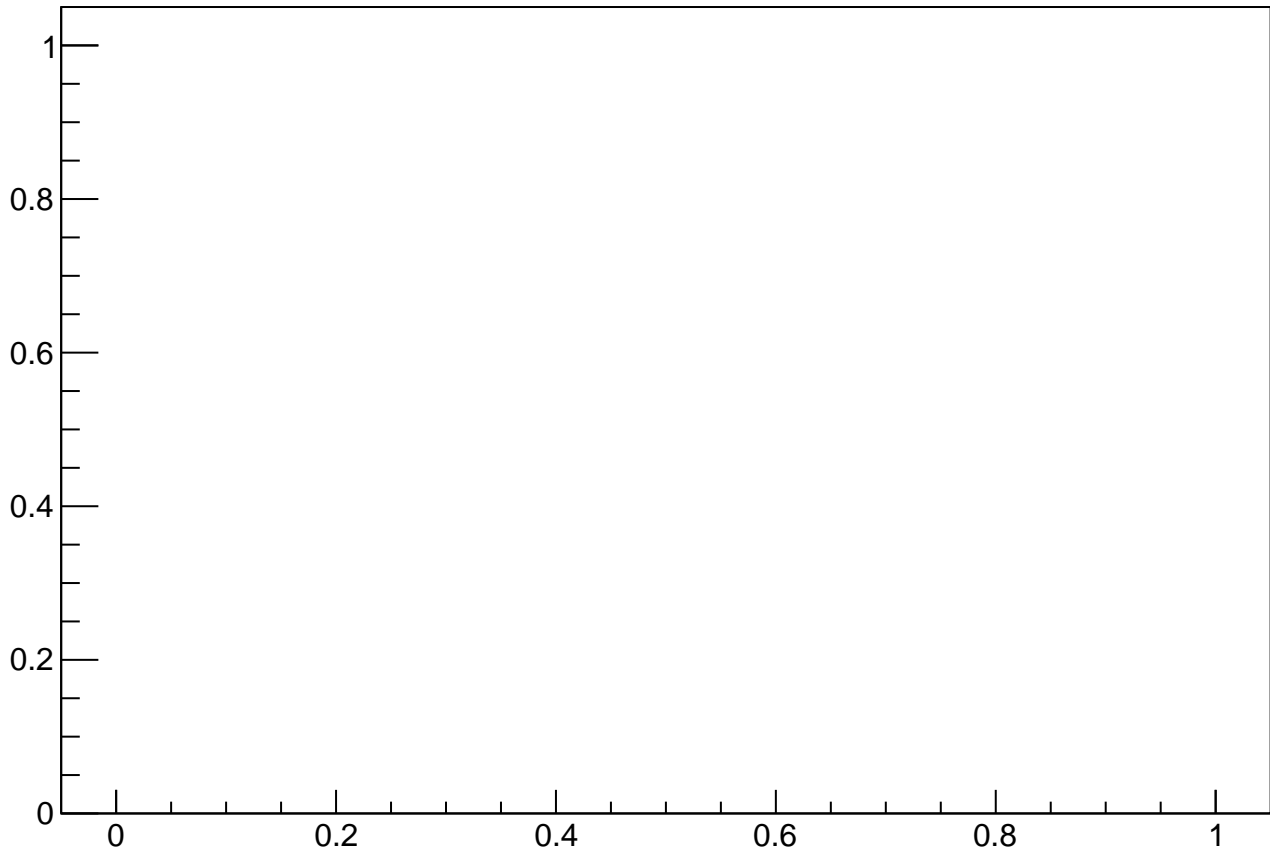
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

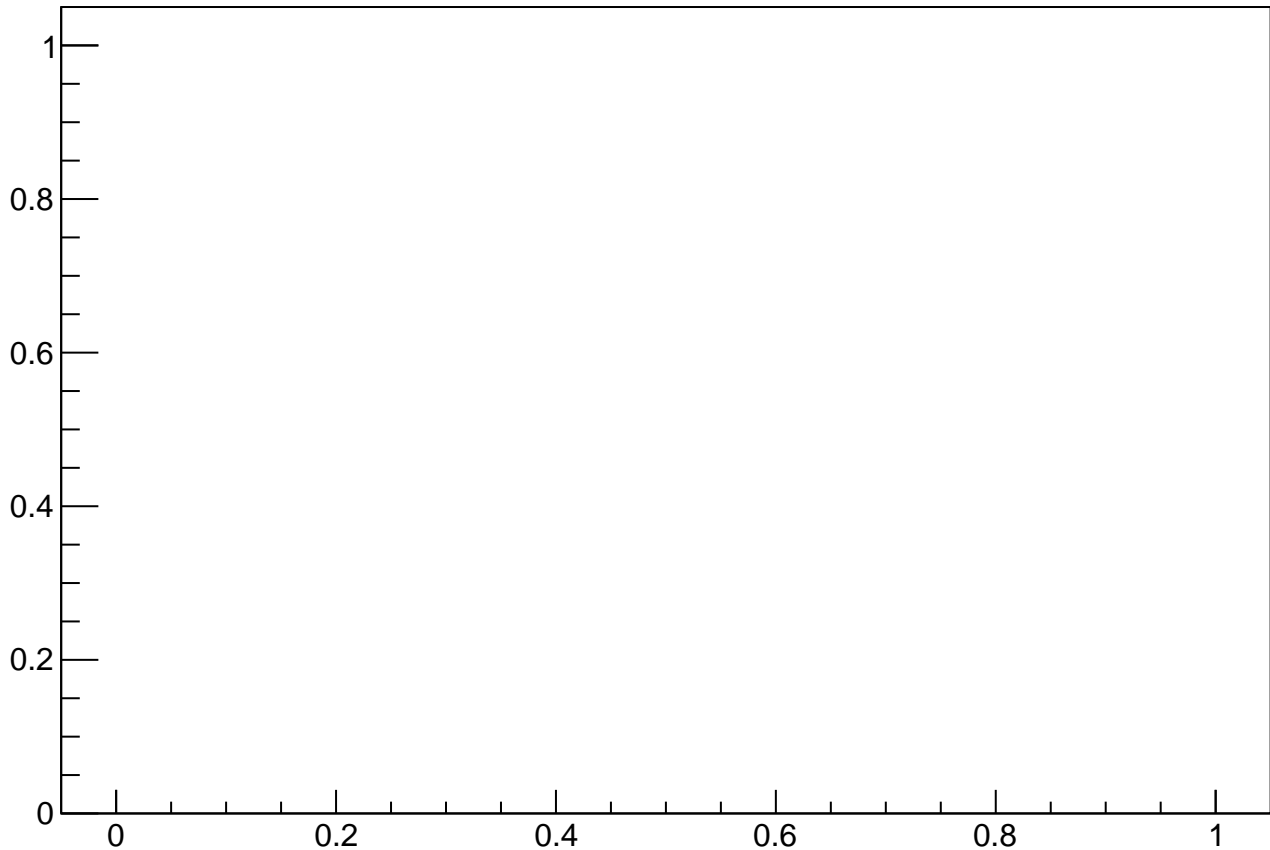
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

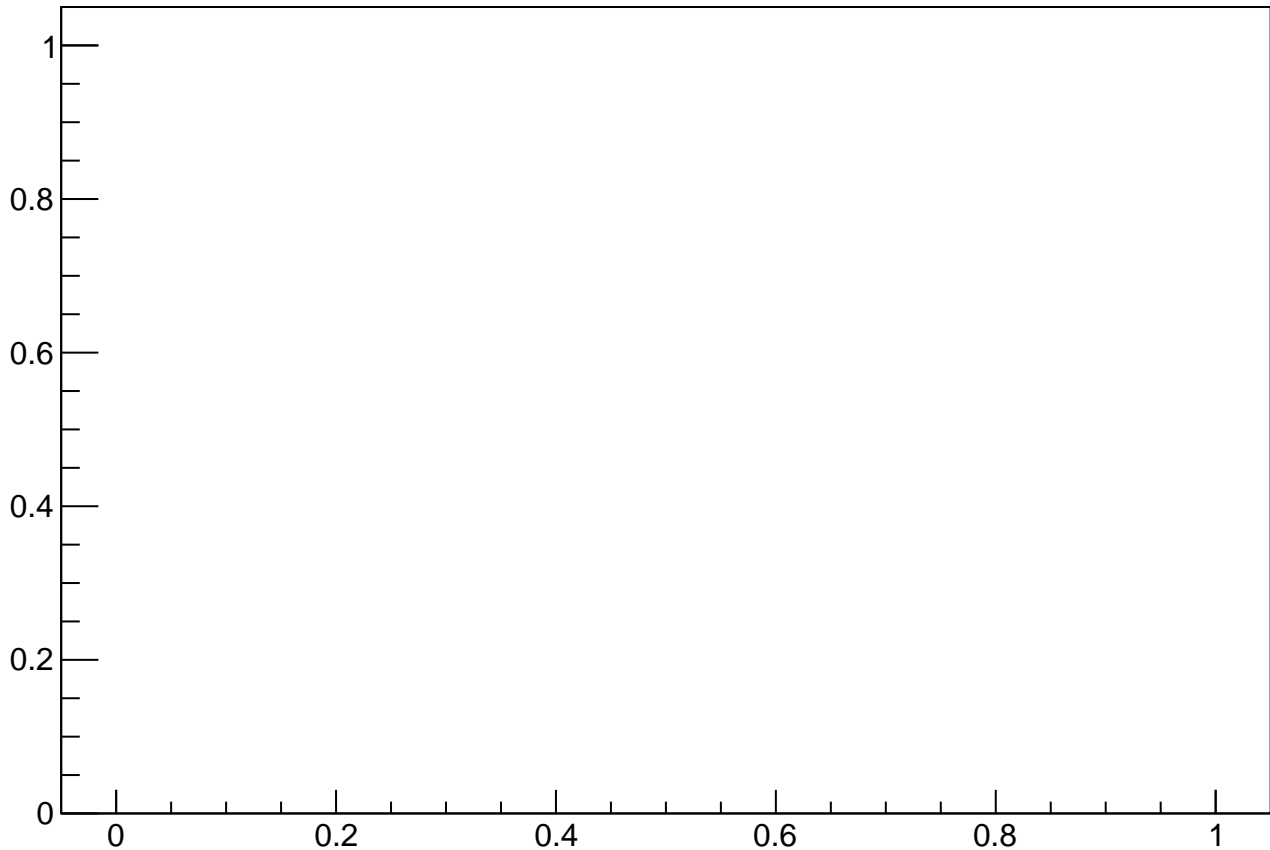
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

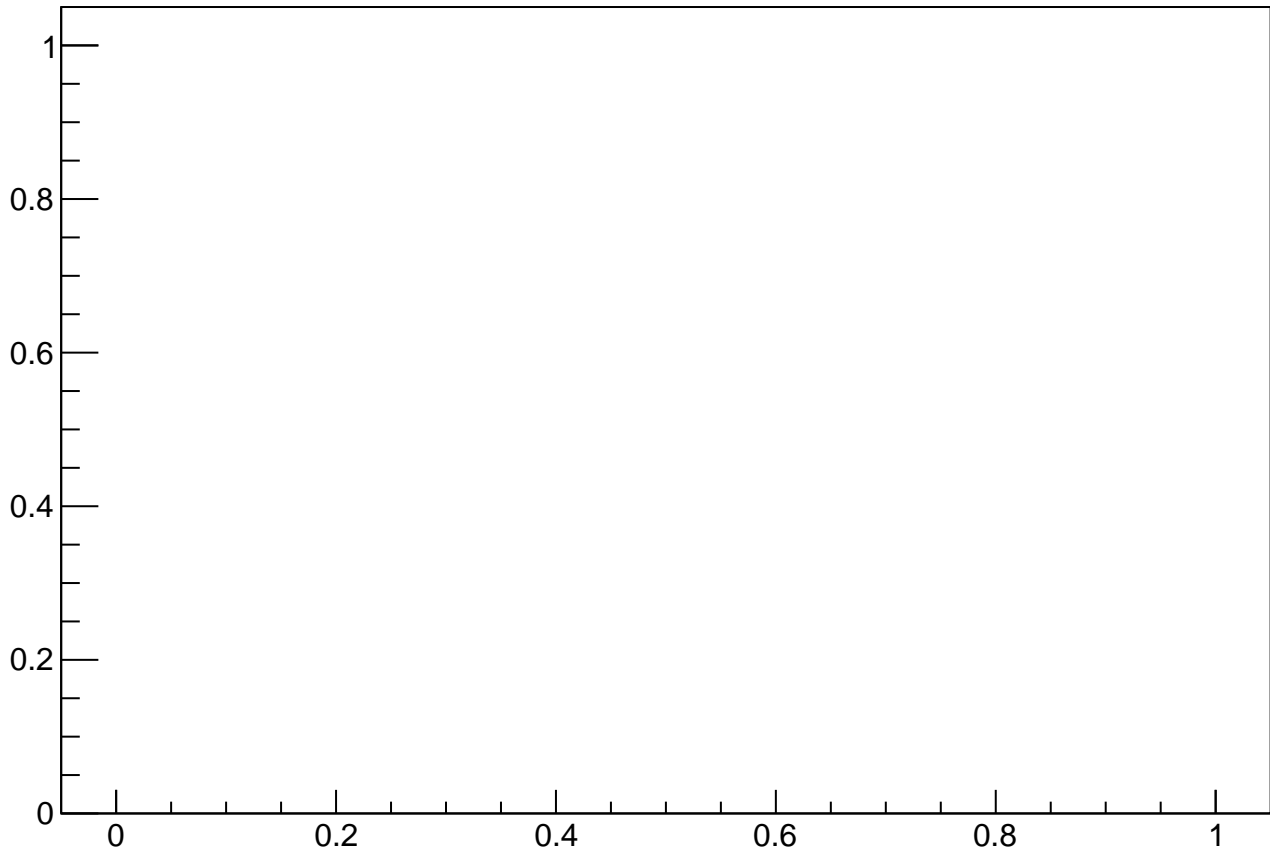
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_atr2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

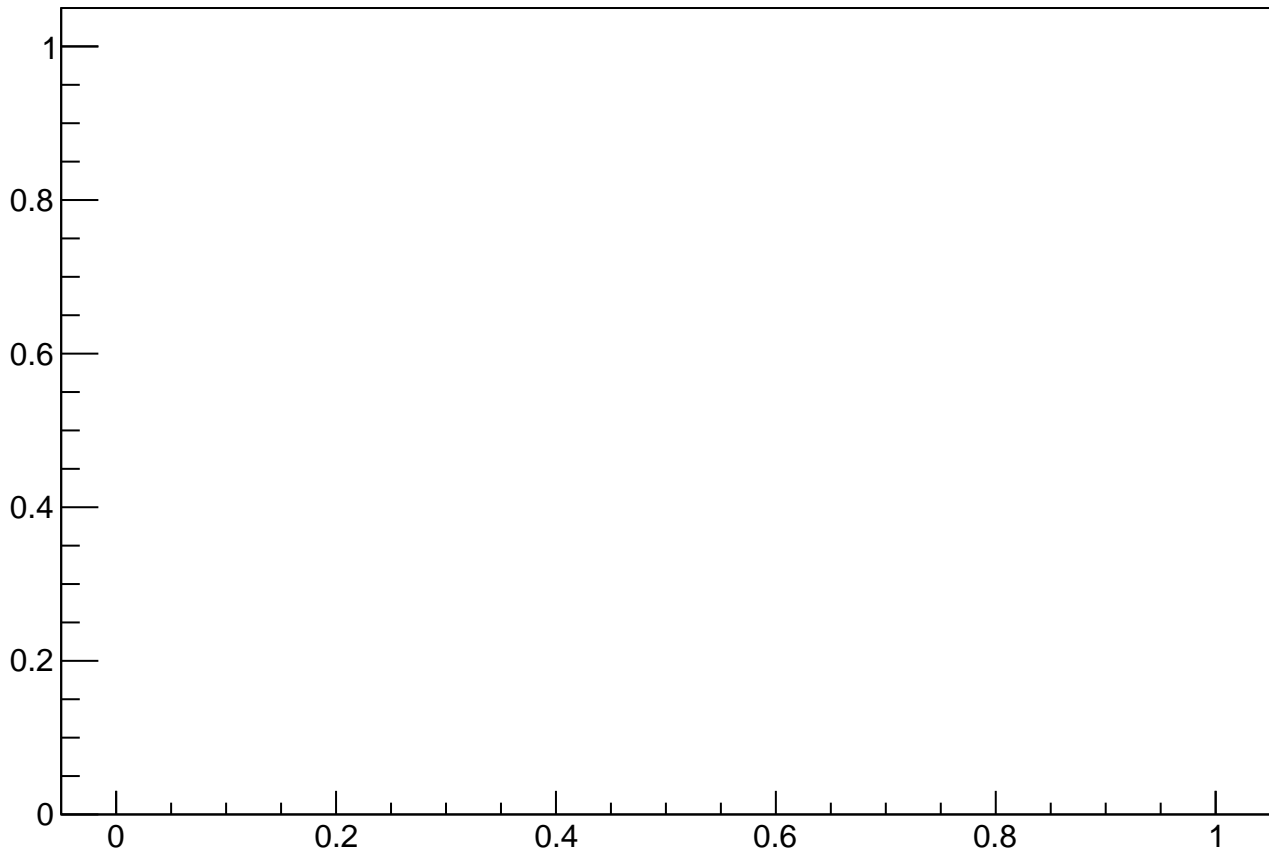
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

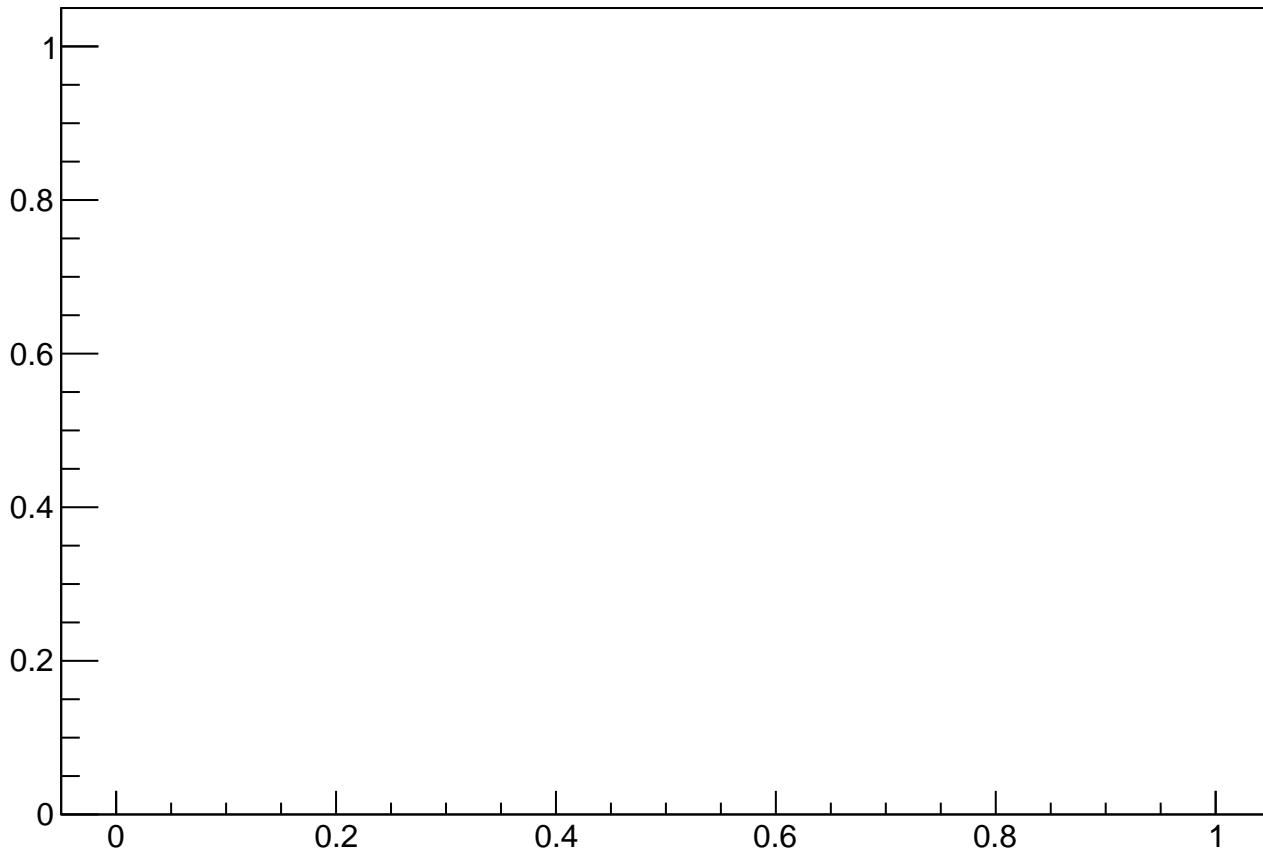
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

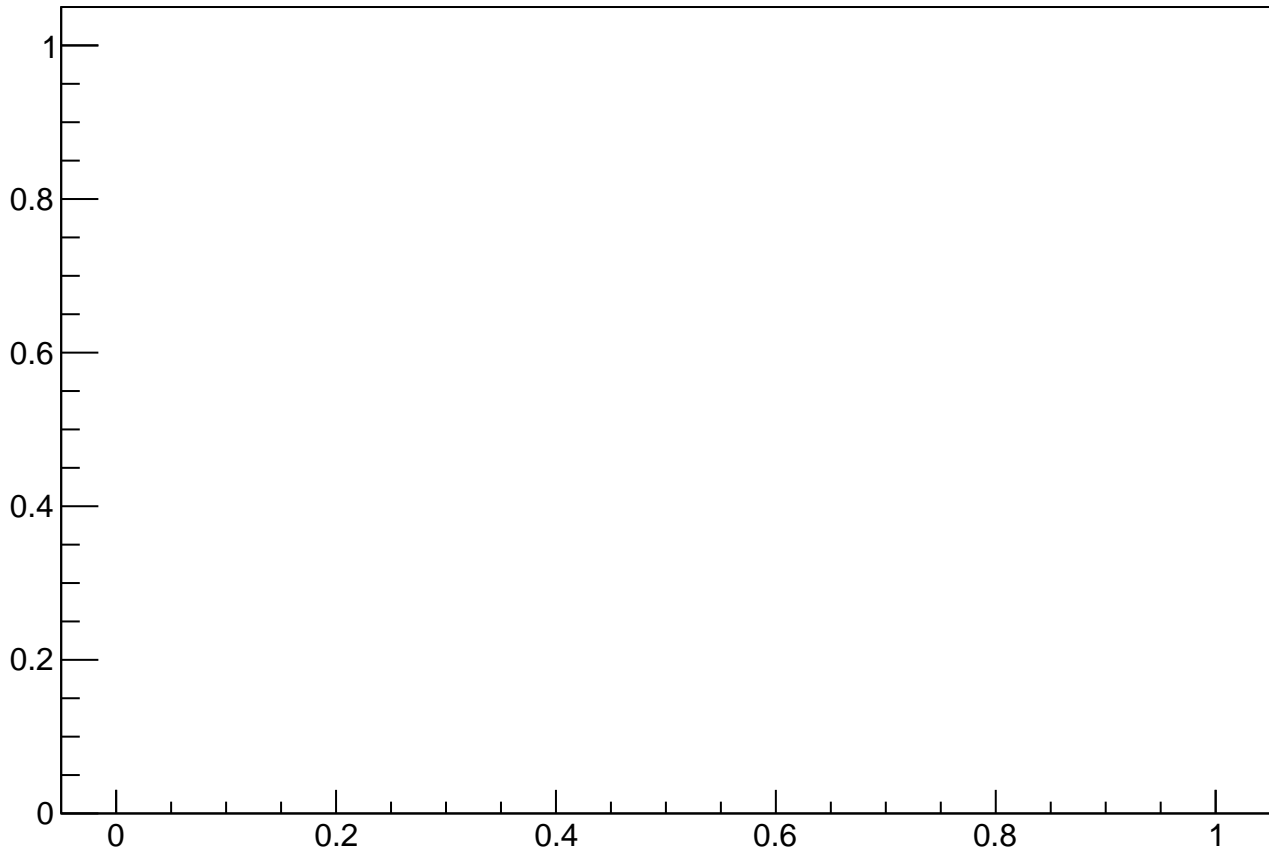
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

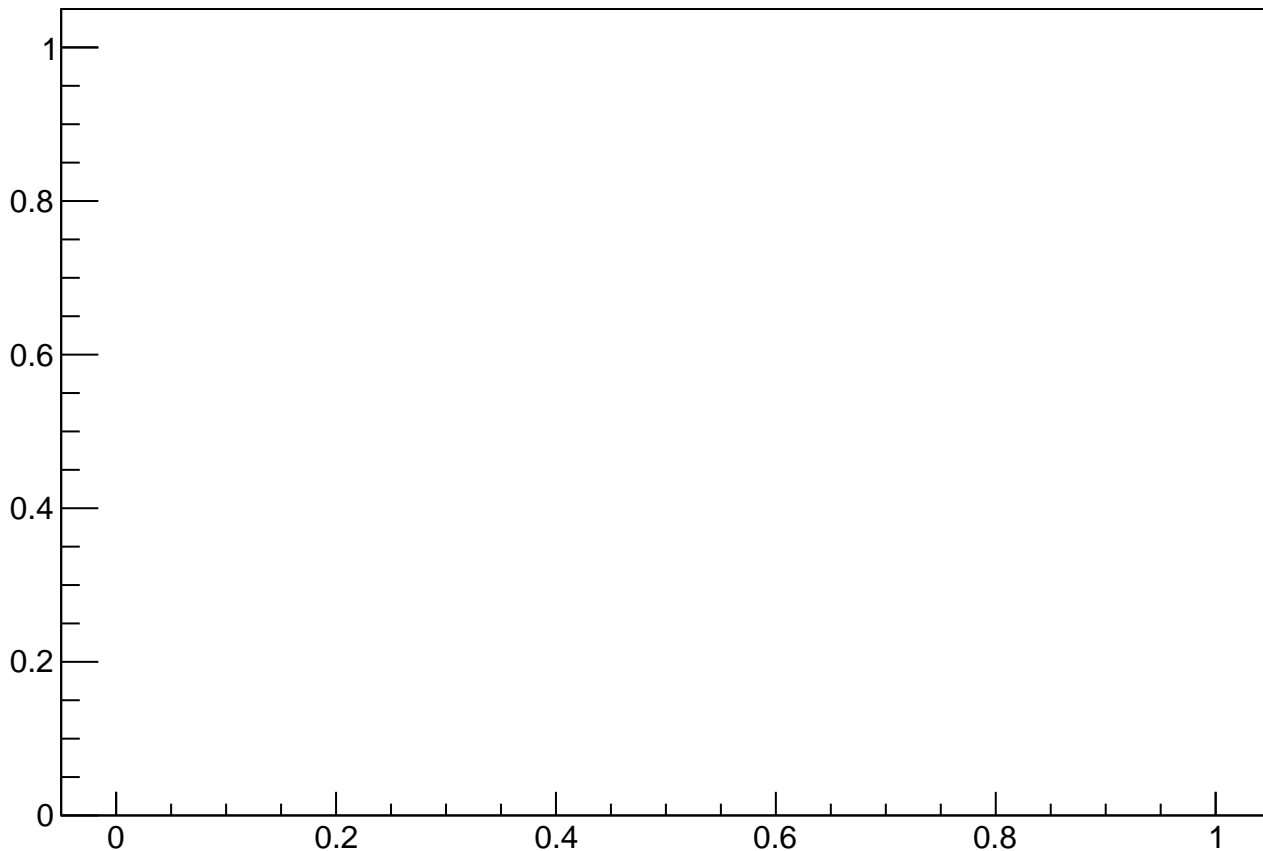
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam2\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

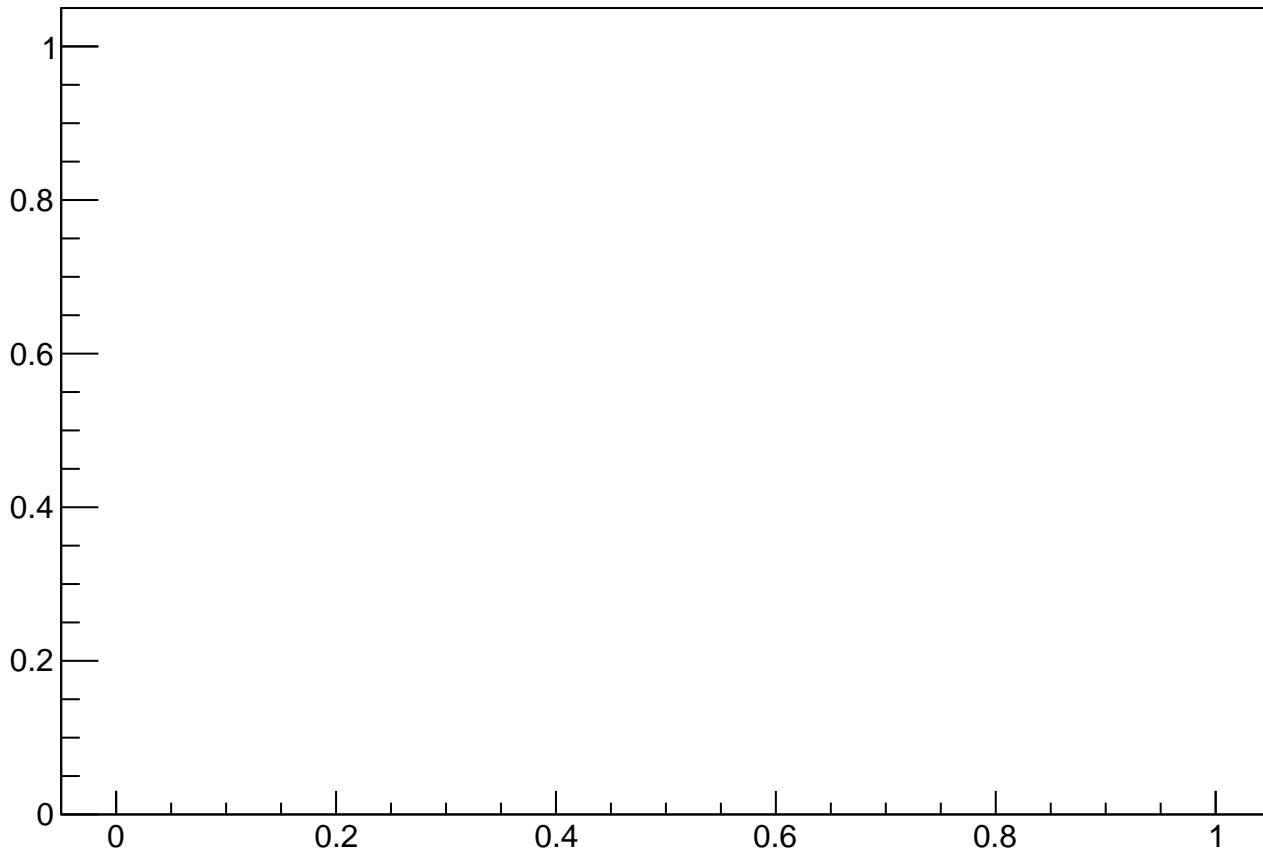
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

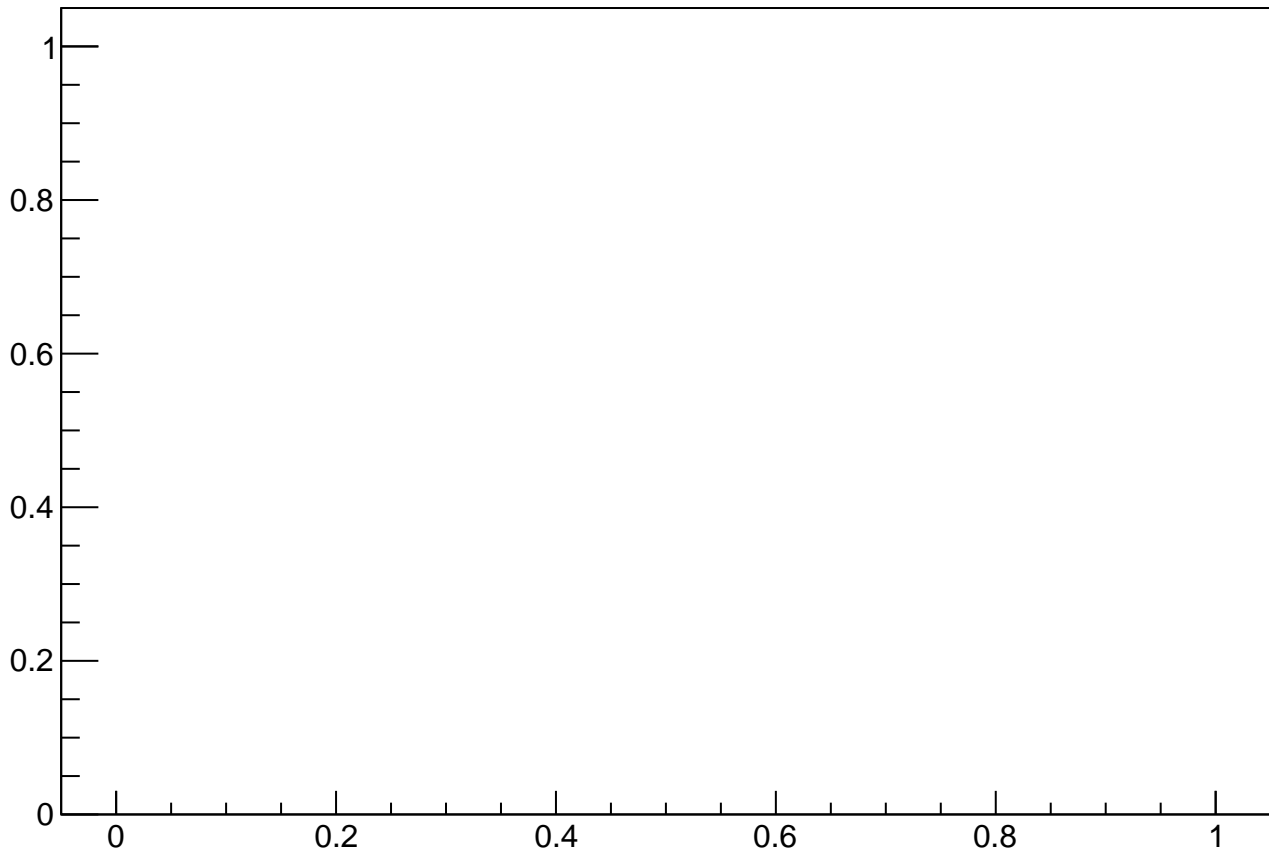
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

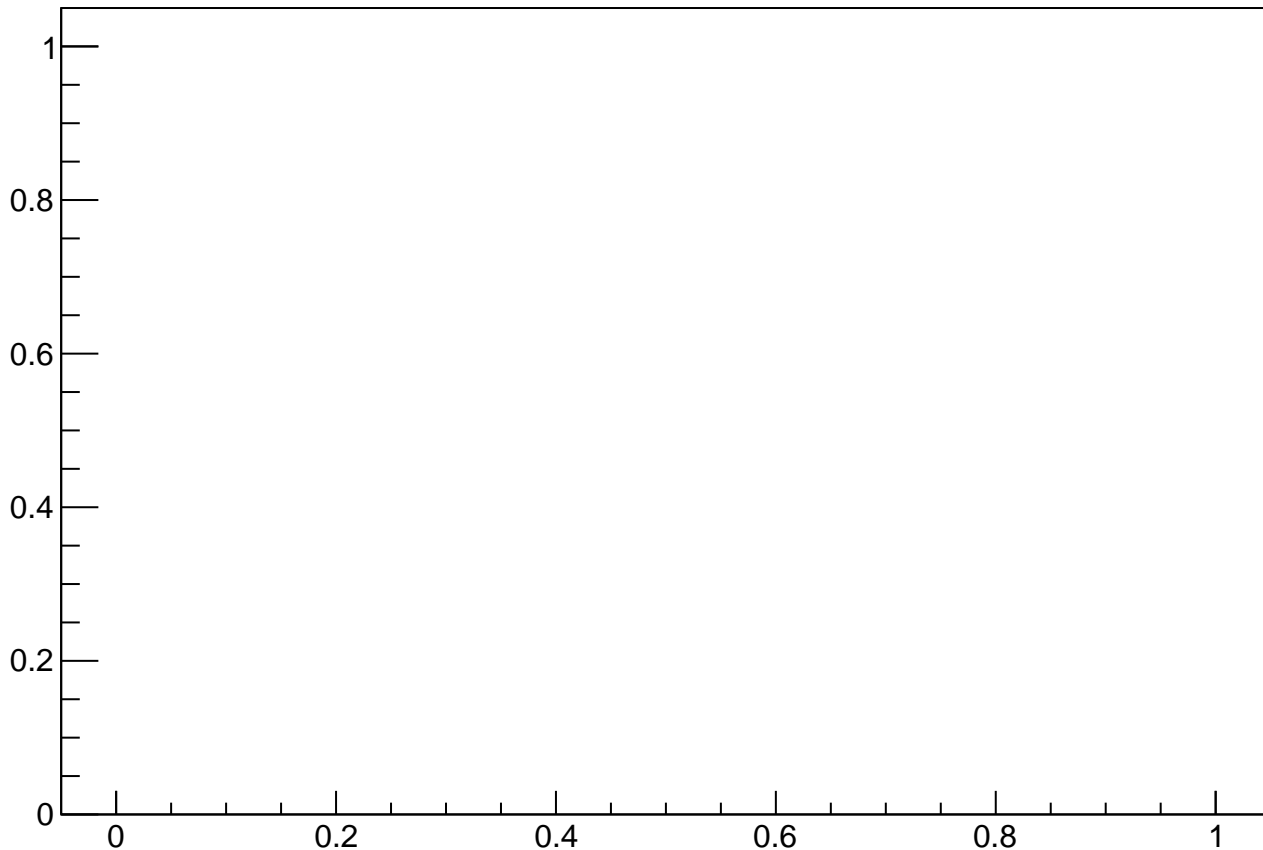
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam3\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

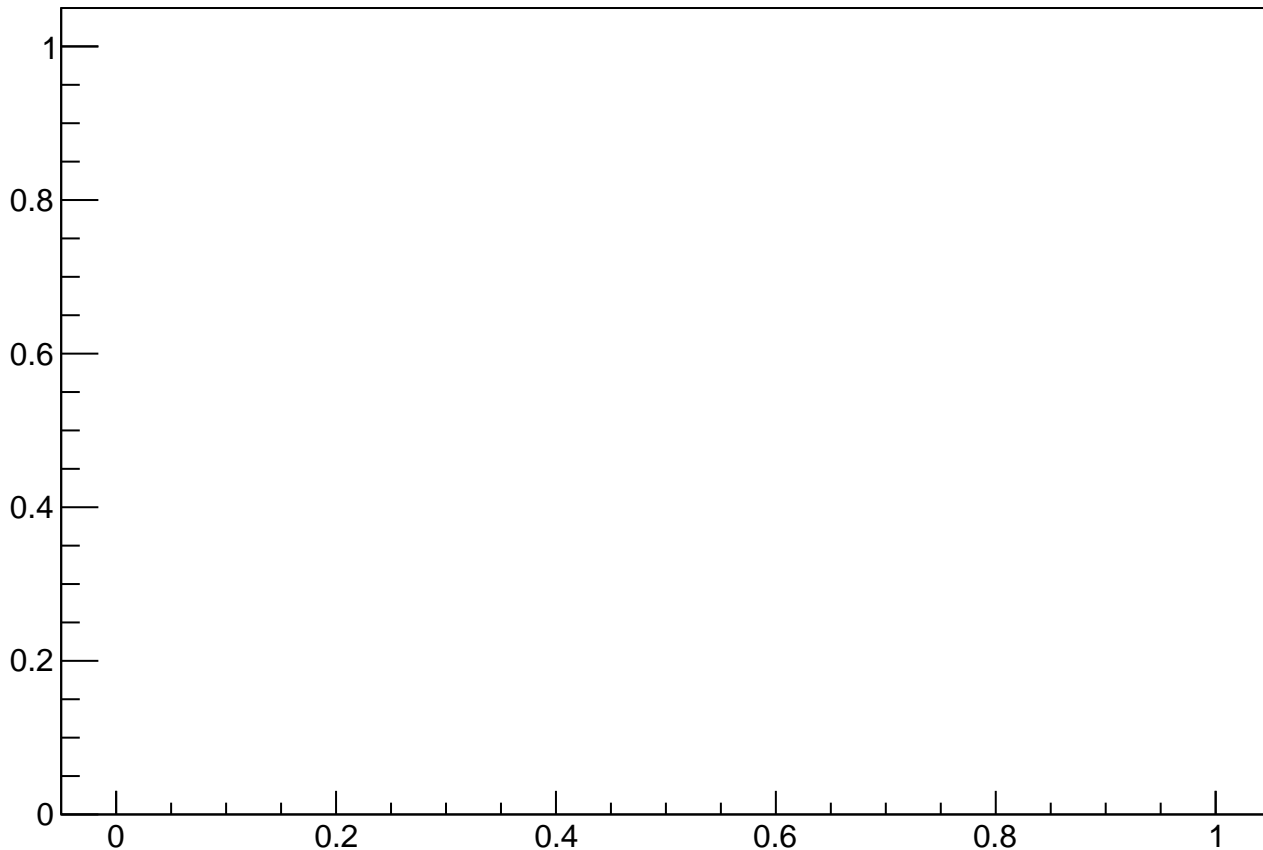
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

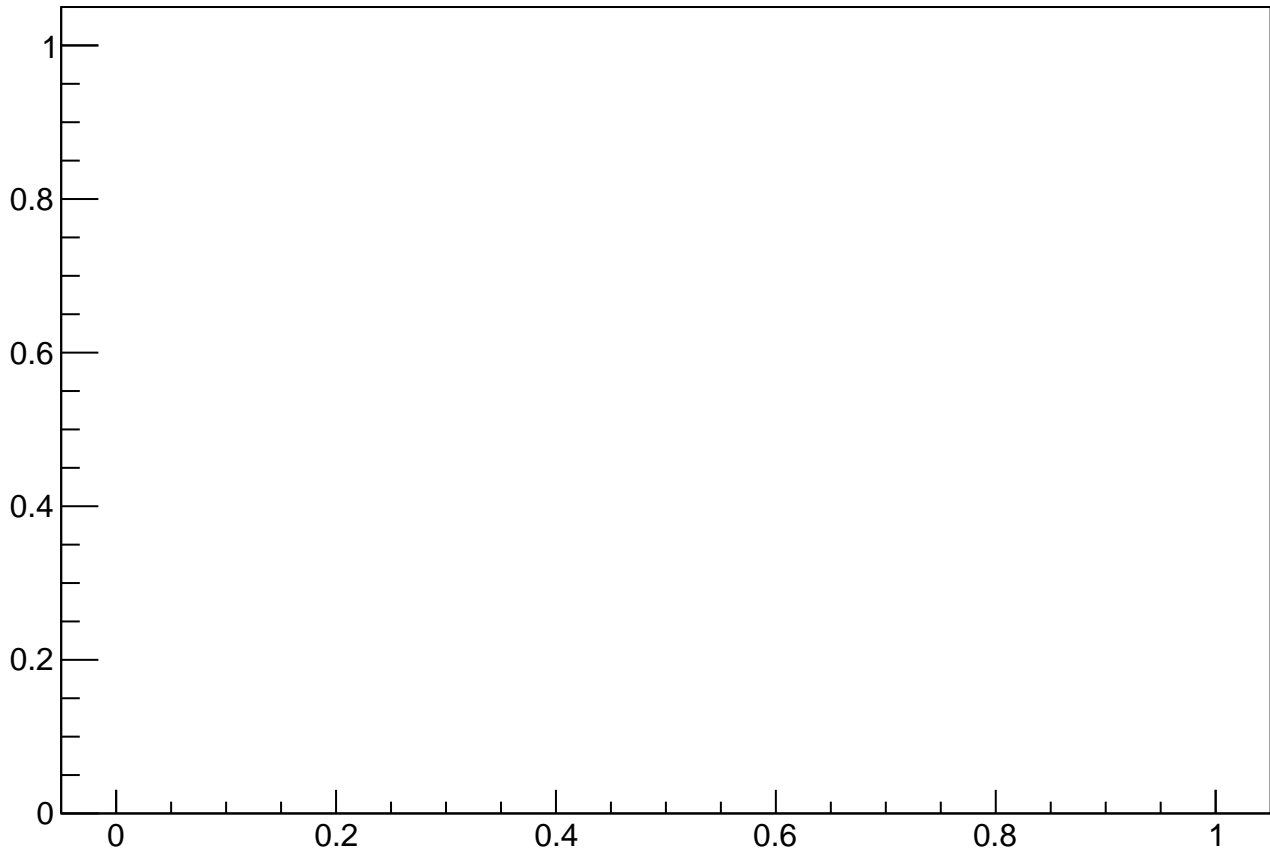
# dit\_sam3\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

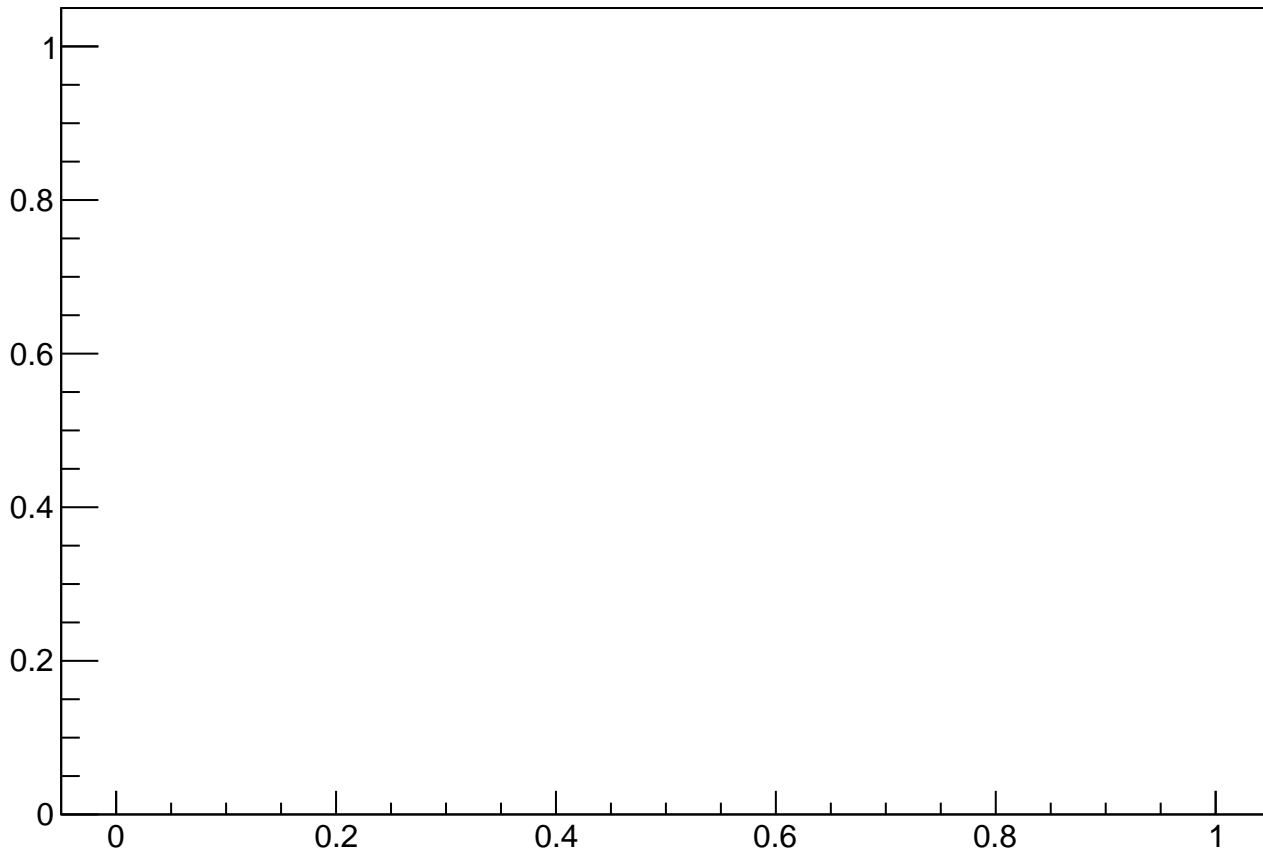
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

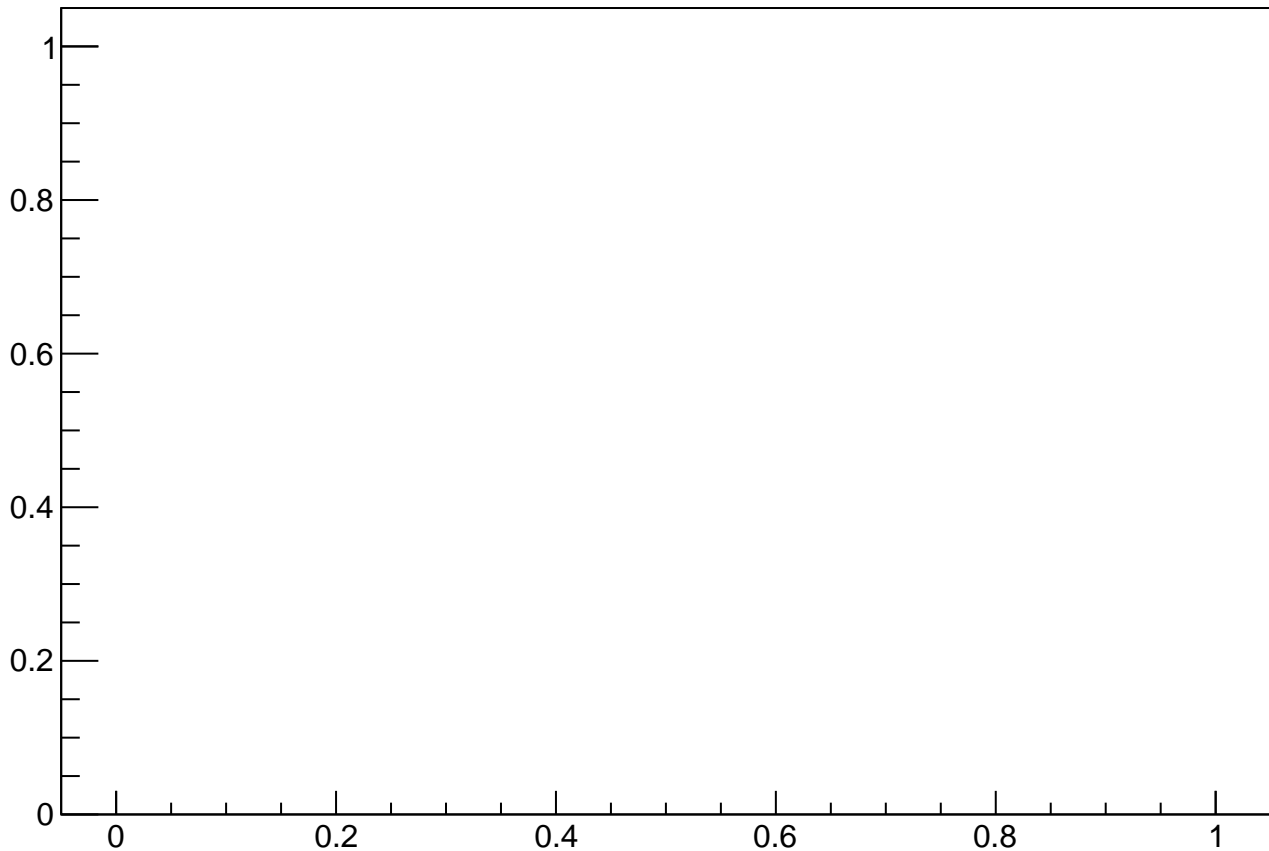
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

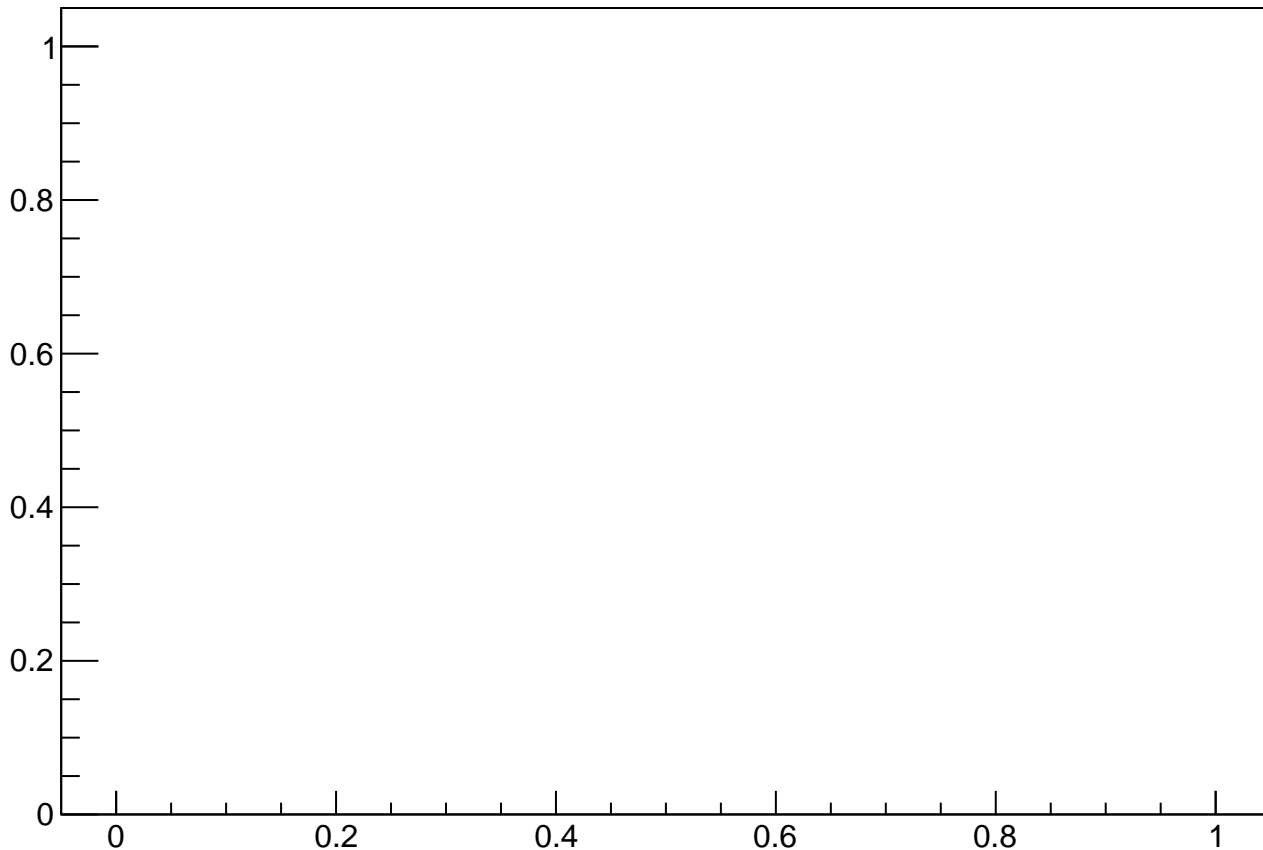
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil7\_Ndata\_mean vs Slug, Sign Corrected

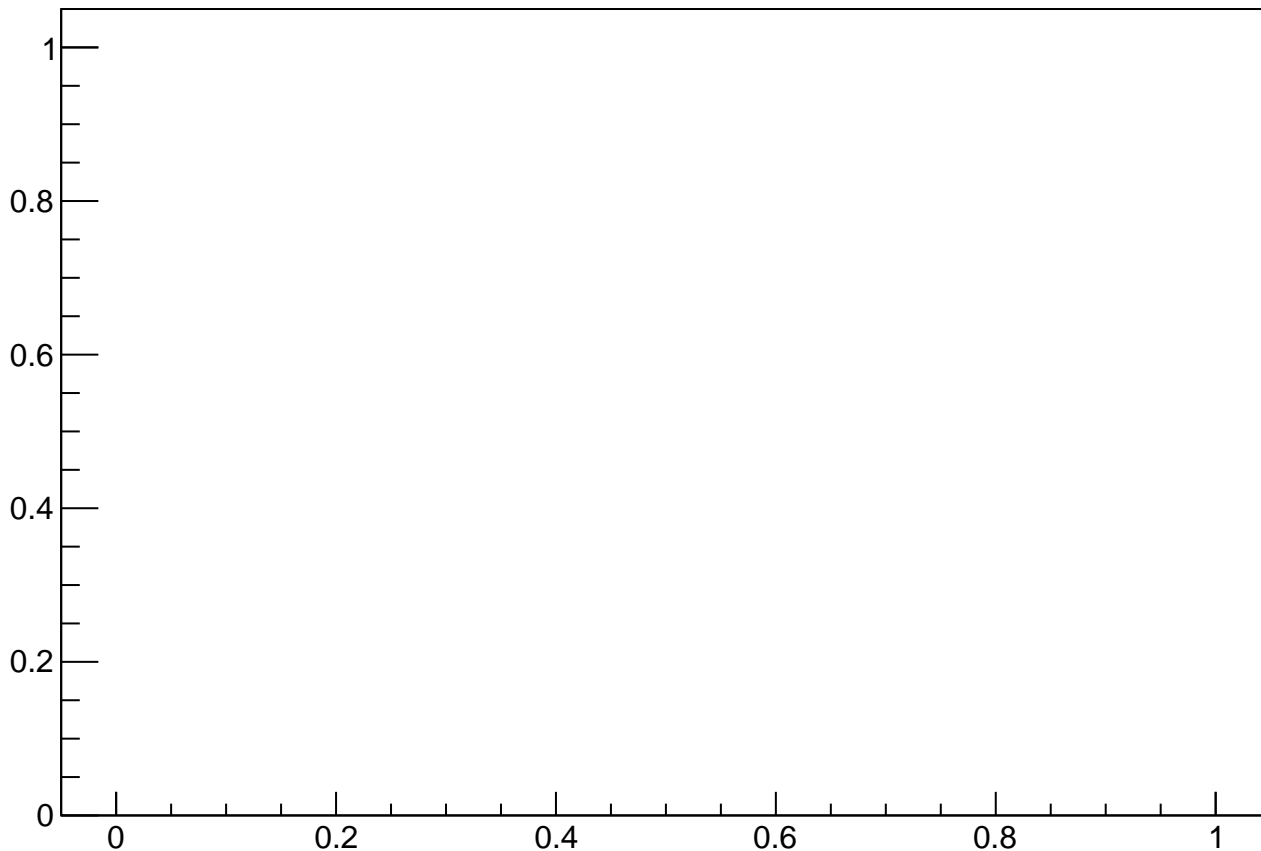


Right In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam6\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

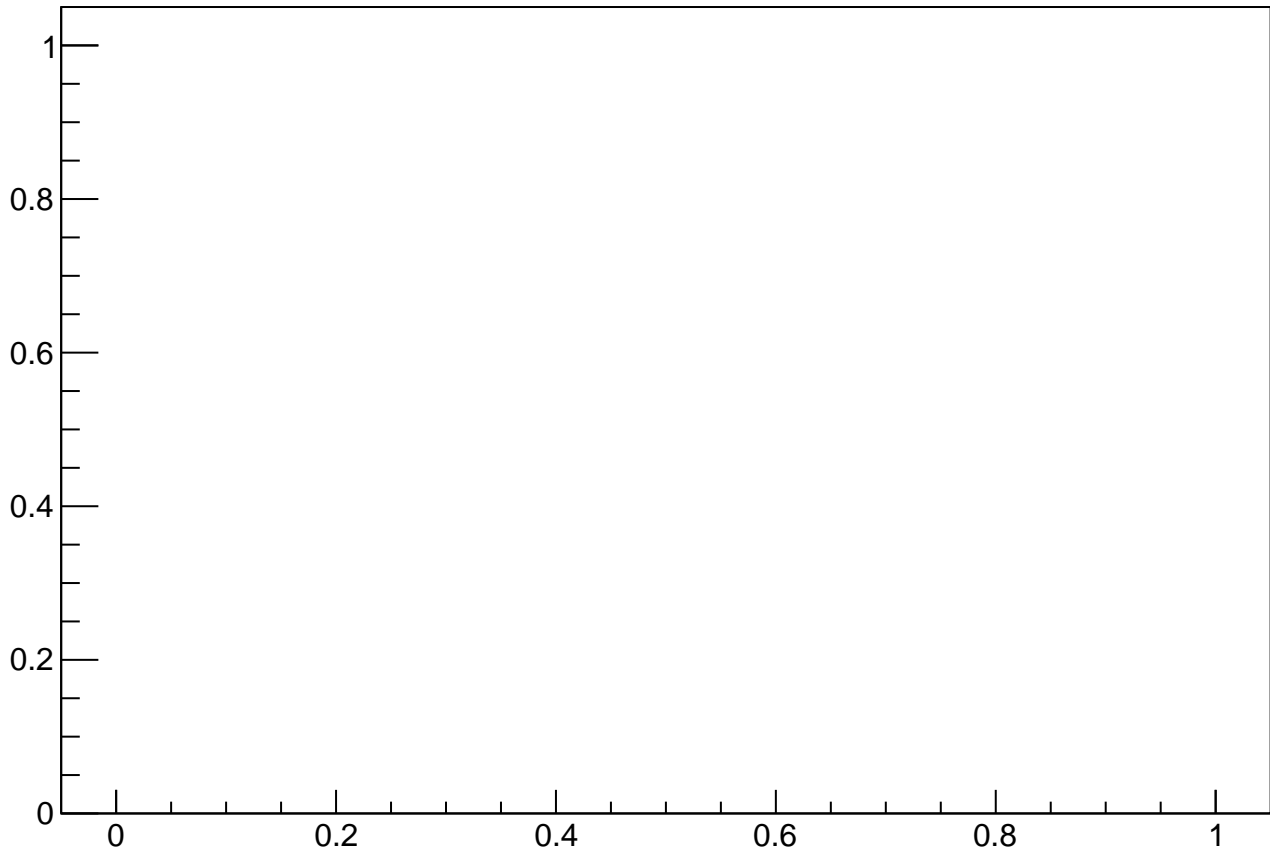
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

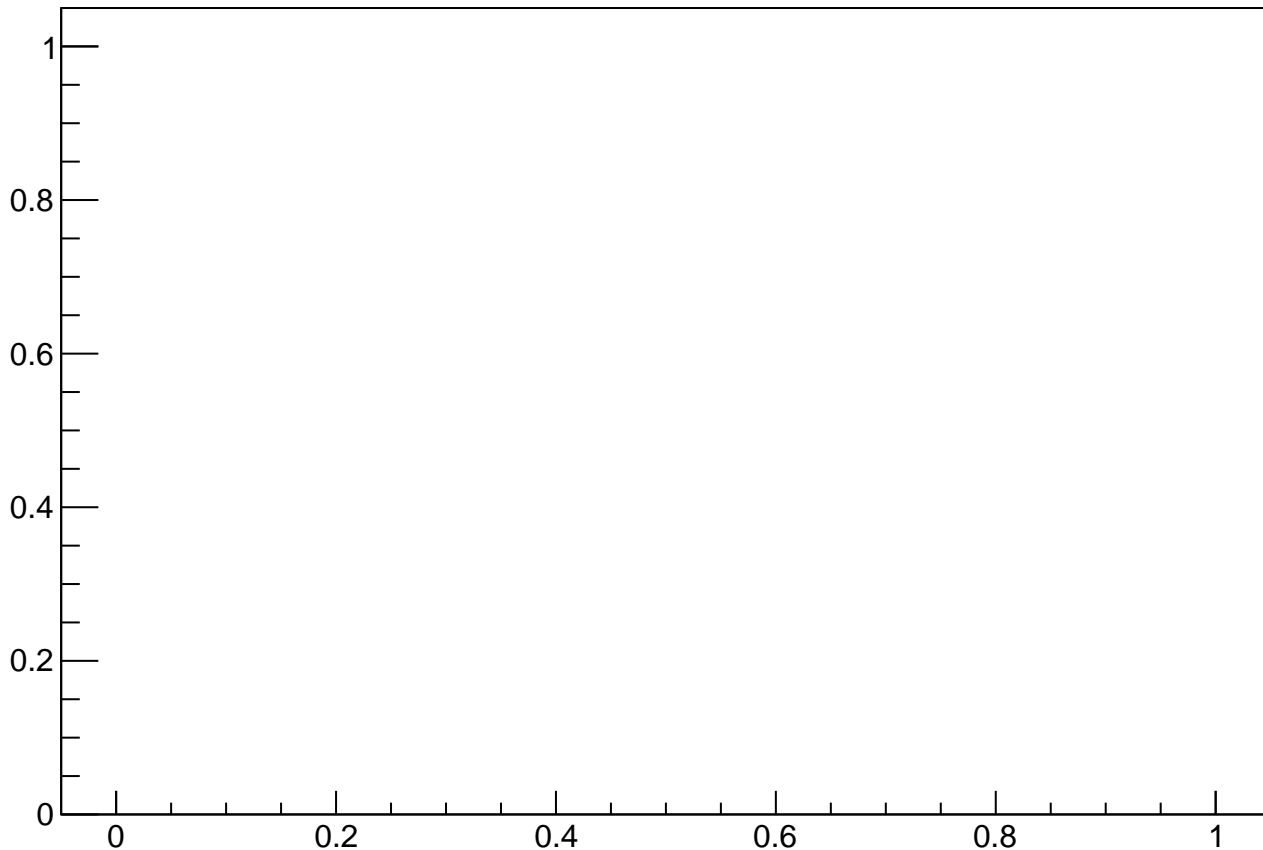
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

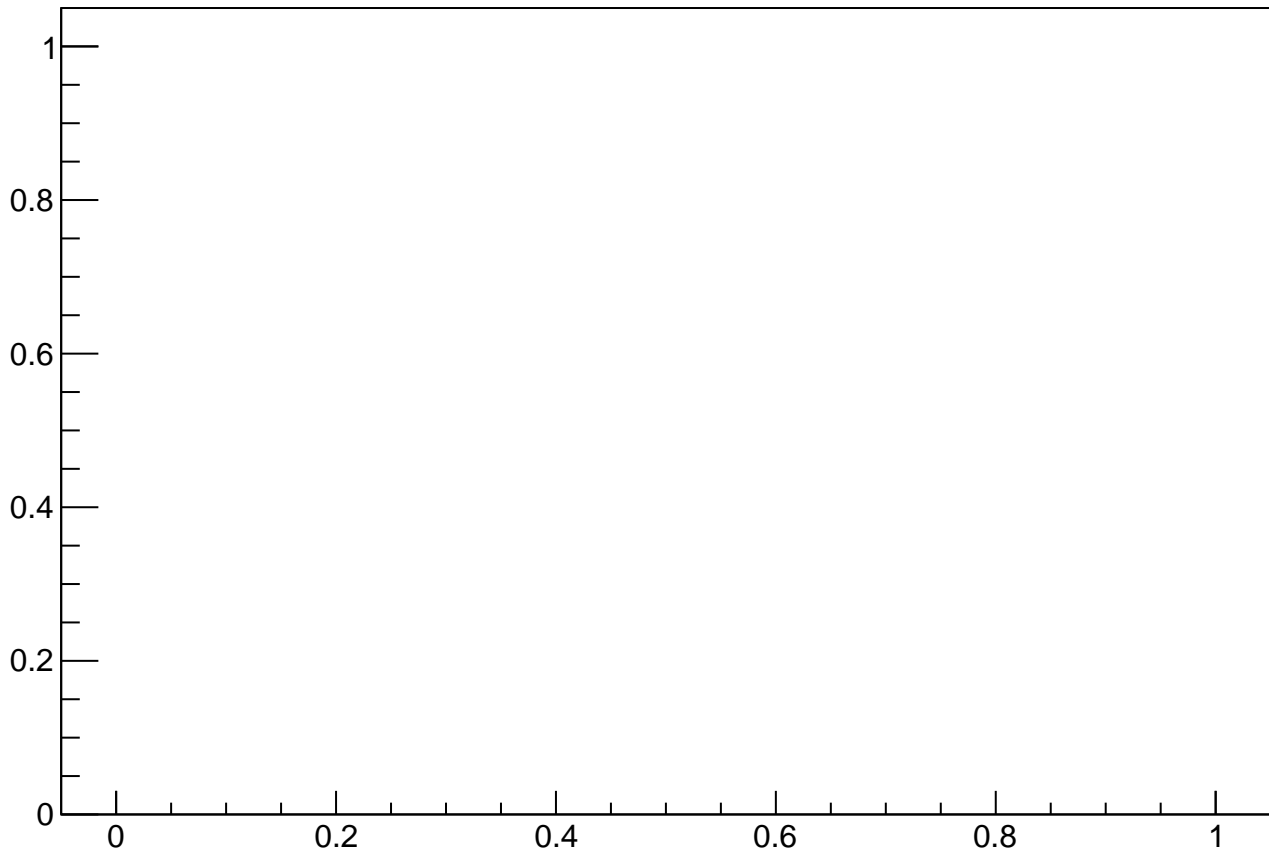
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil7\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil7\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

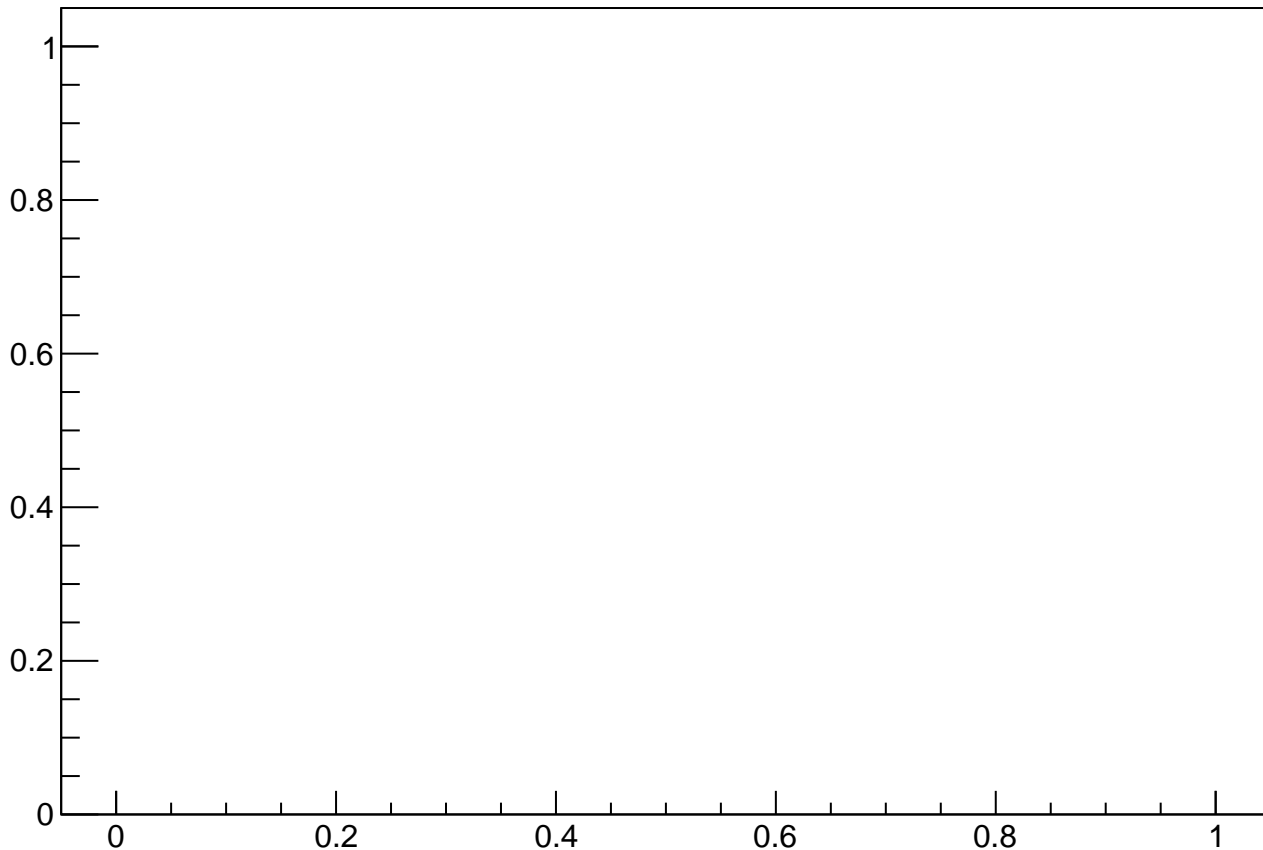
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



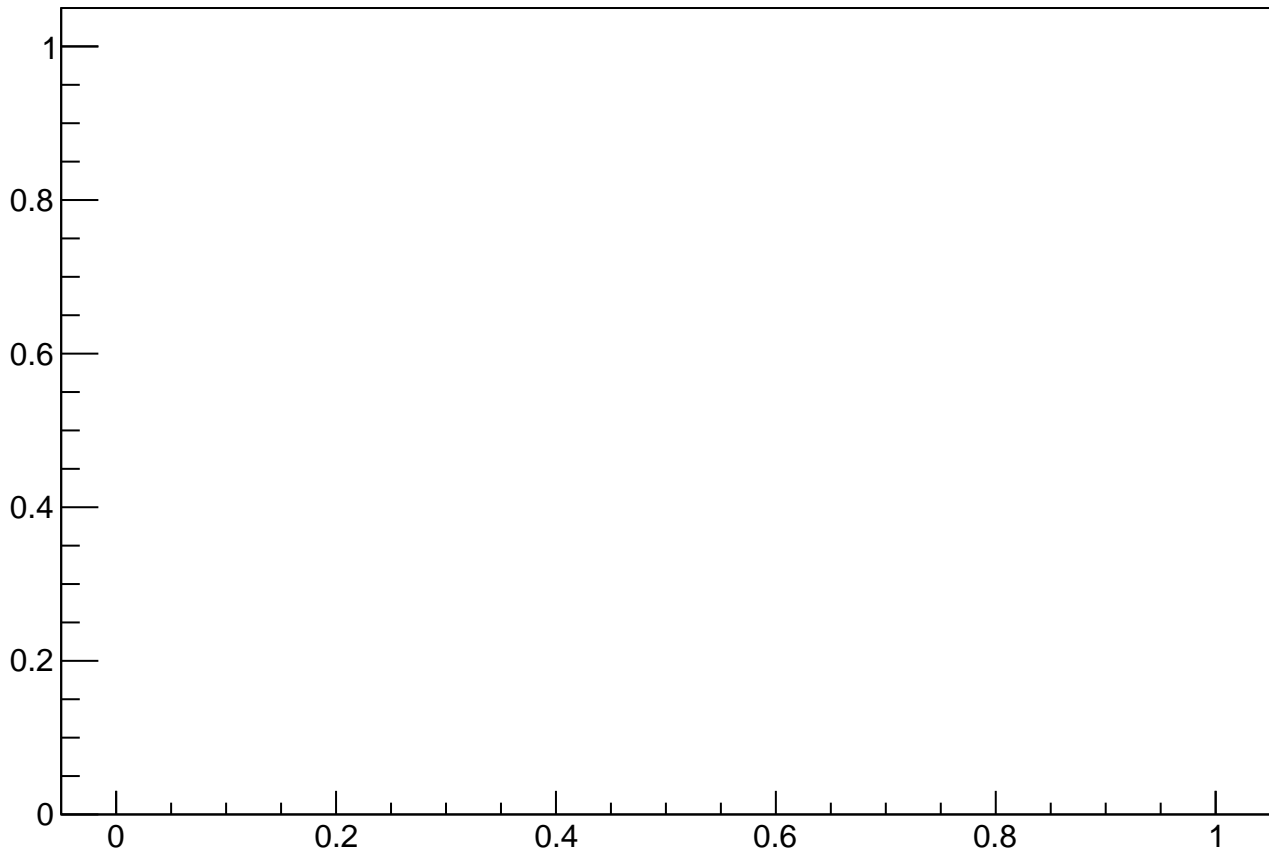
# dit\_sam8\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

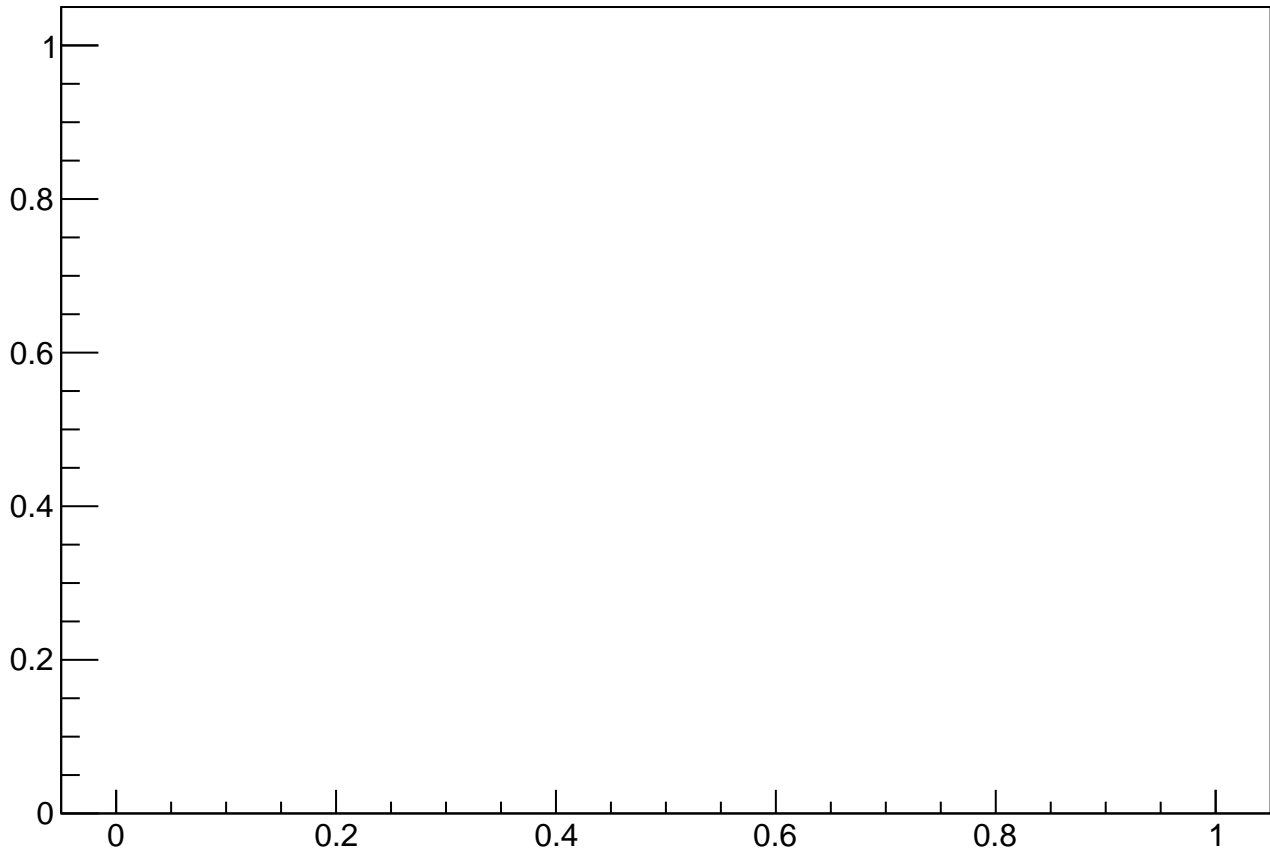
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

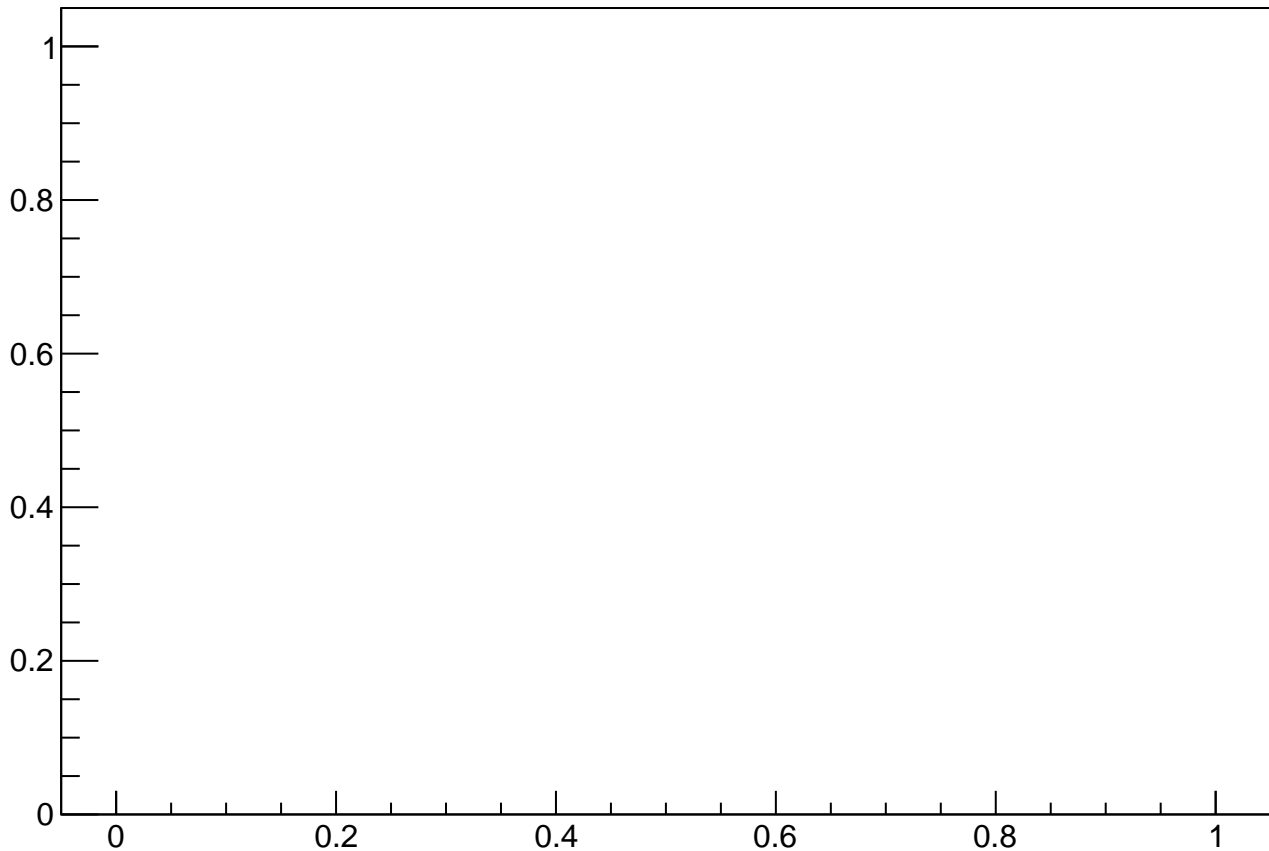
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

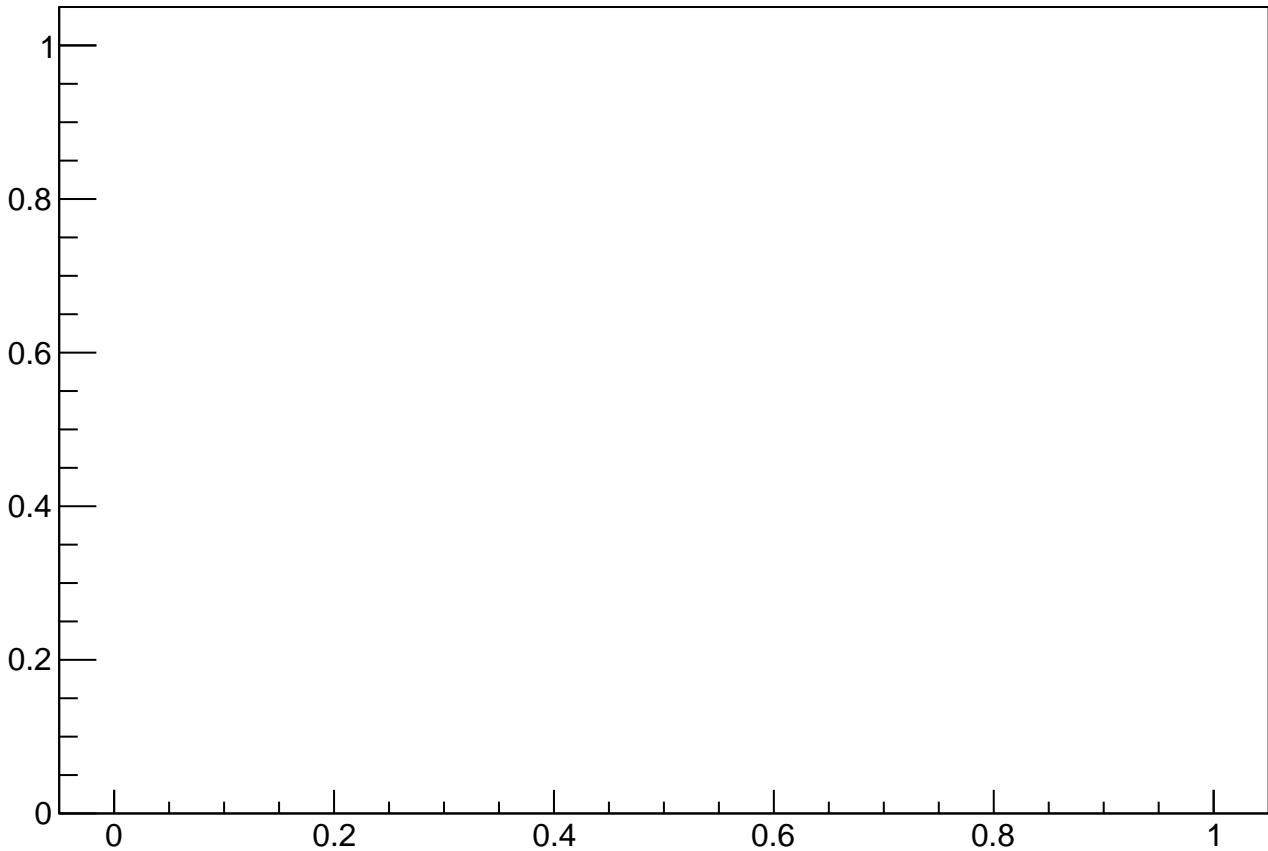
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

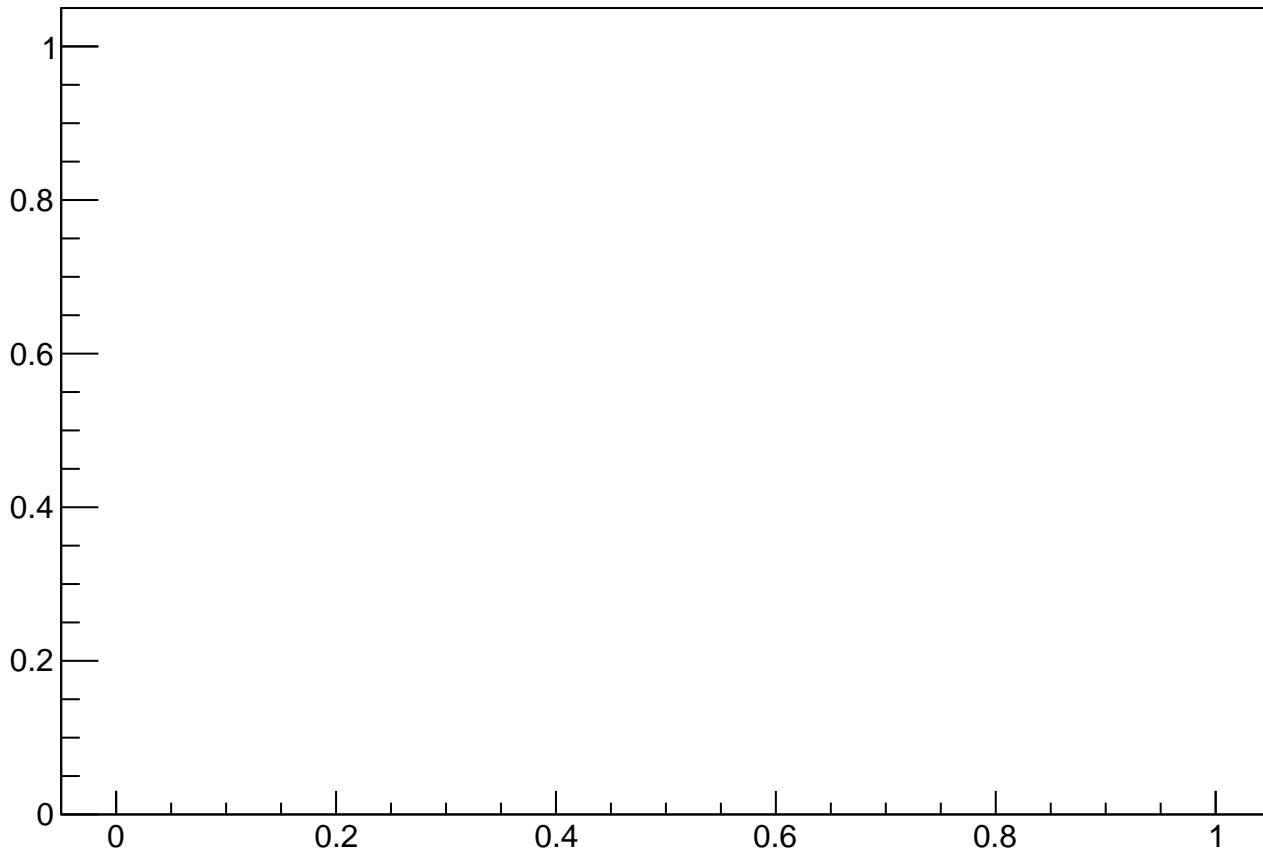
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

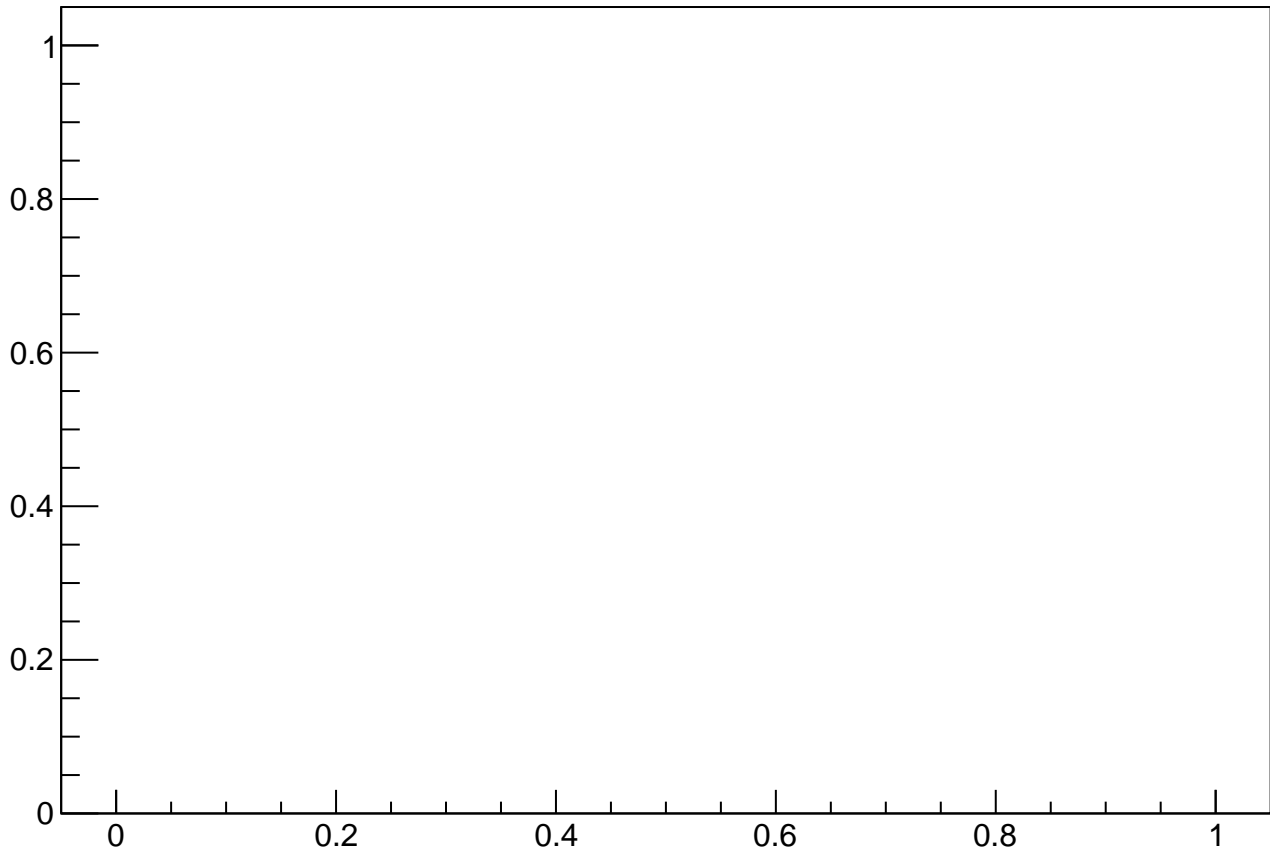
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_11X12X\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

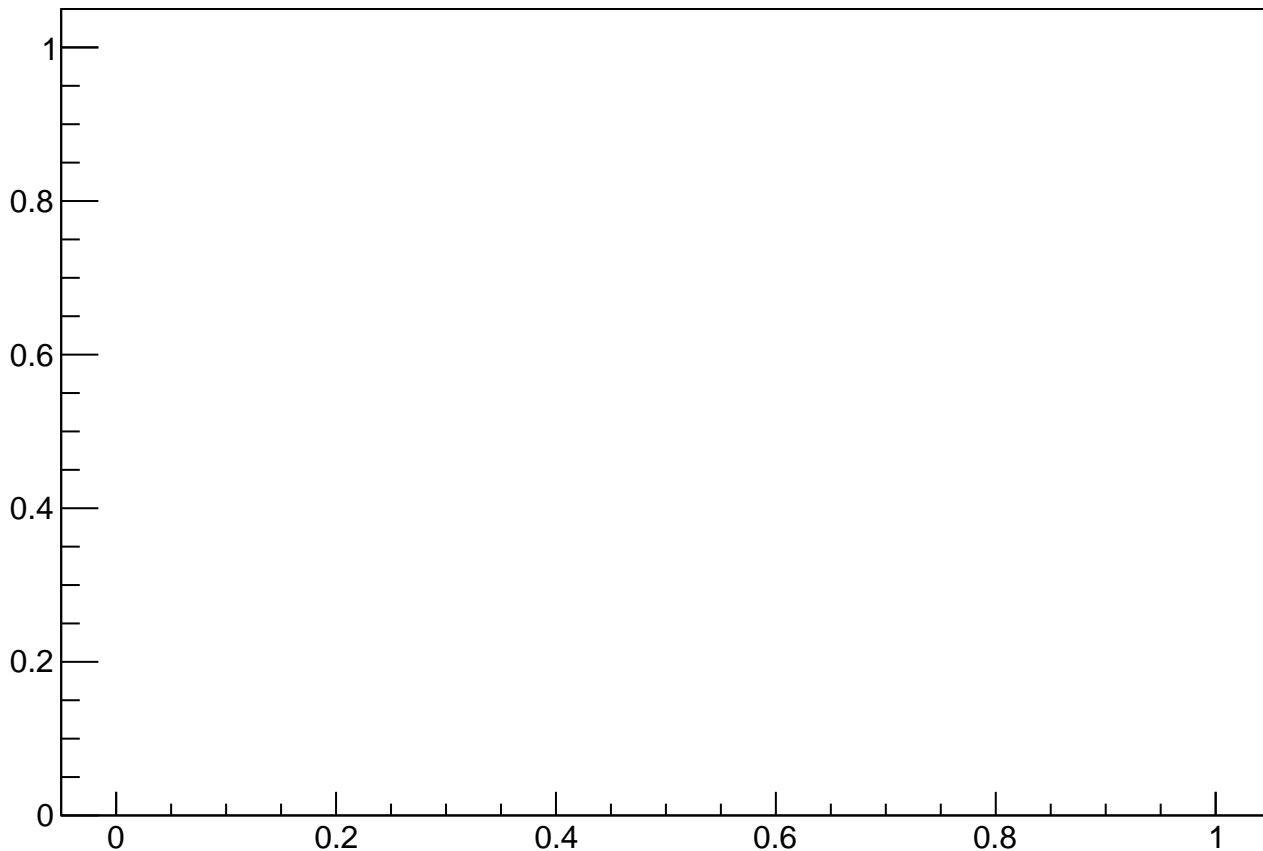
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

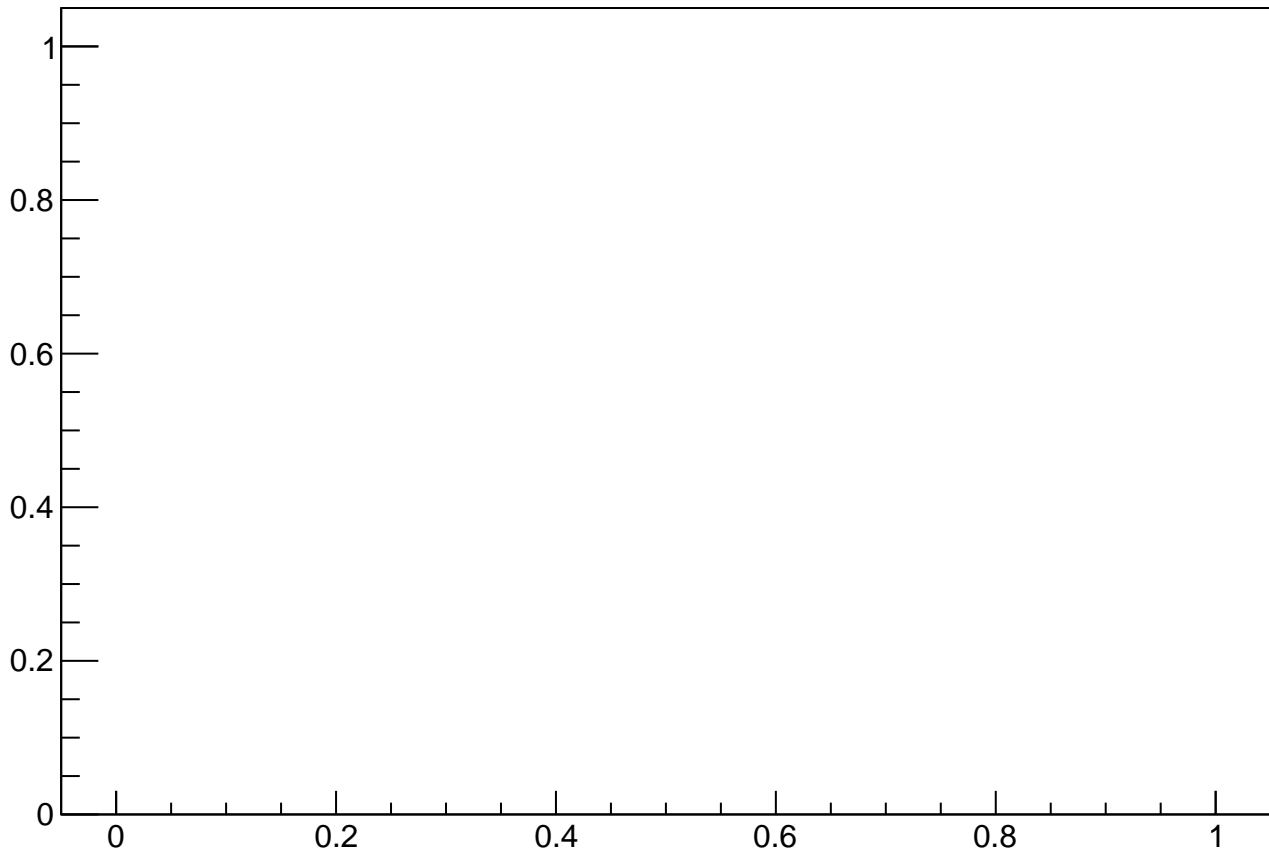
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

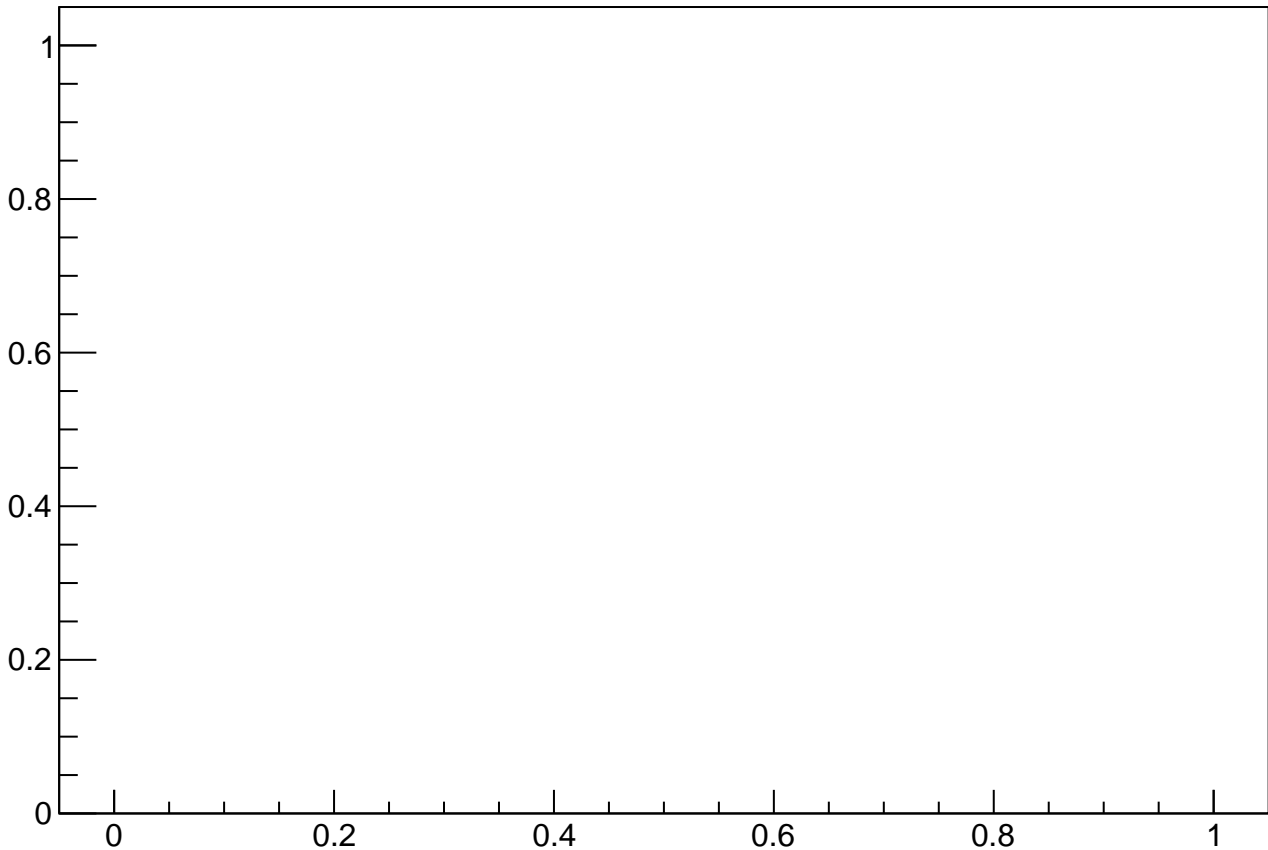
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

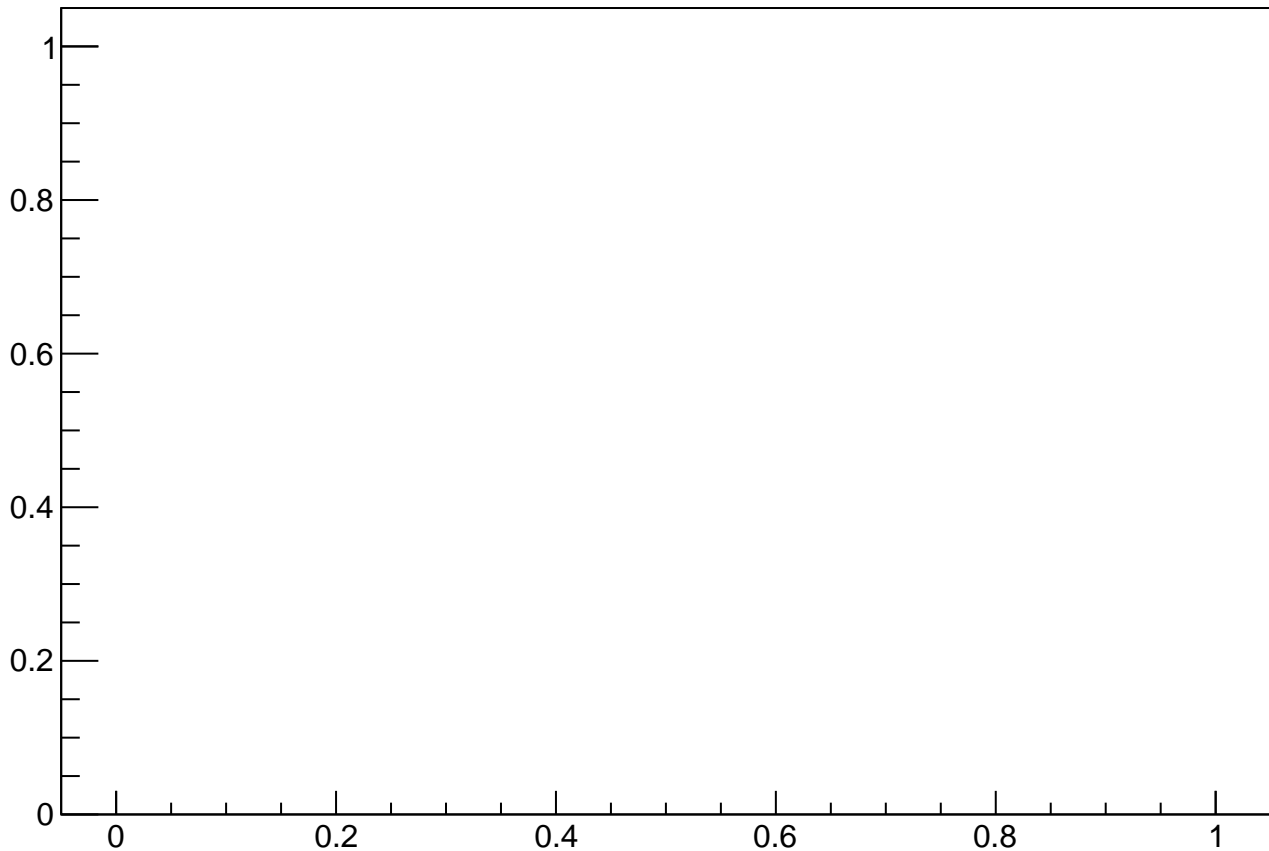
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

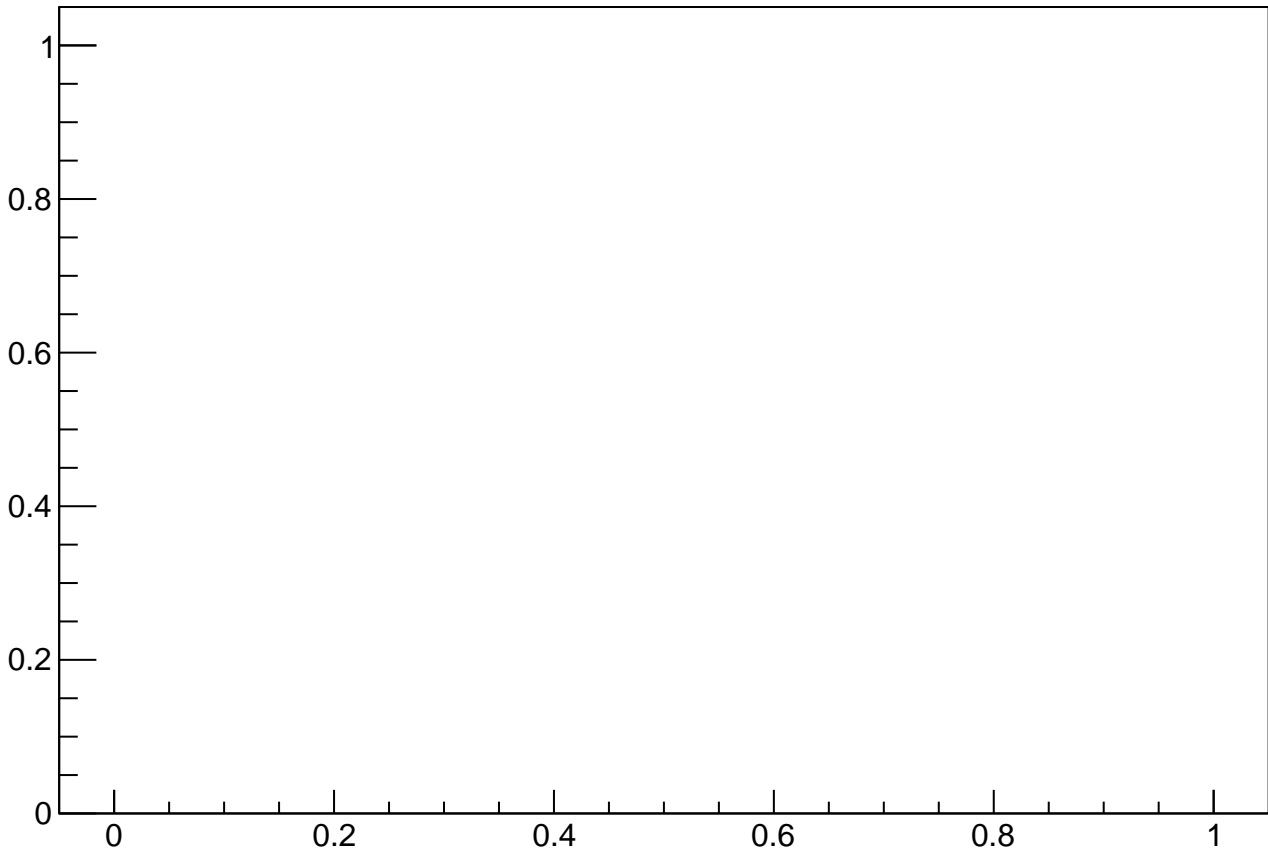
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

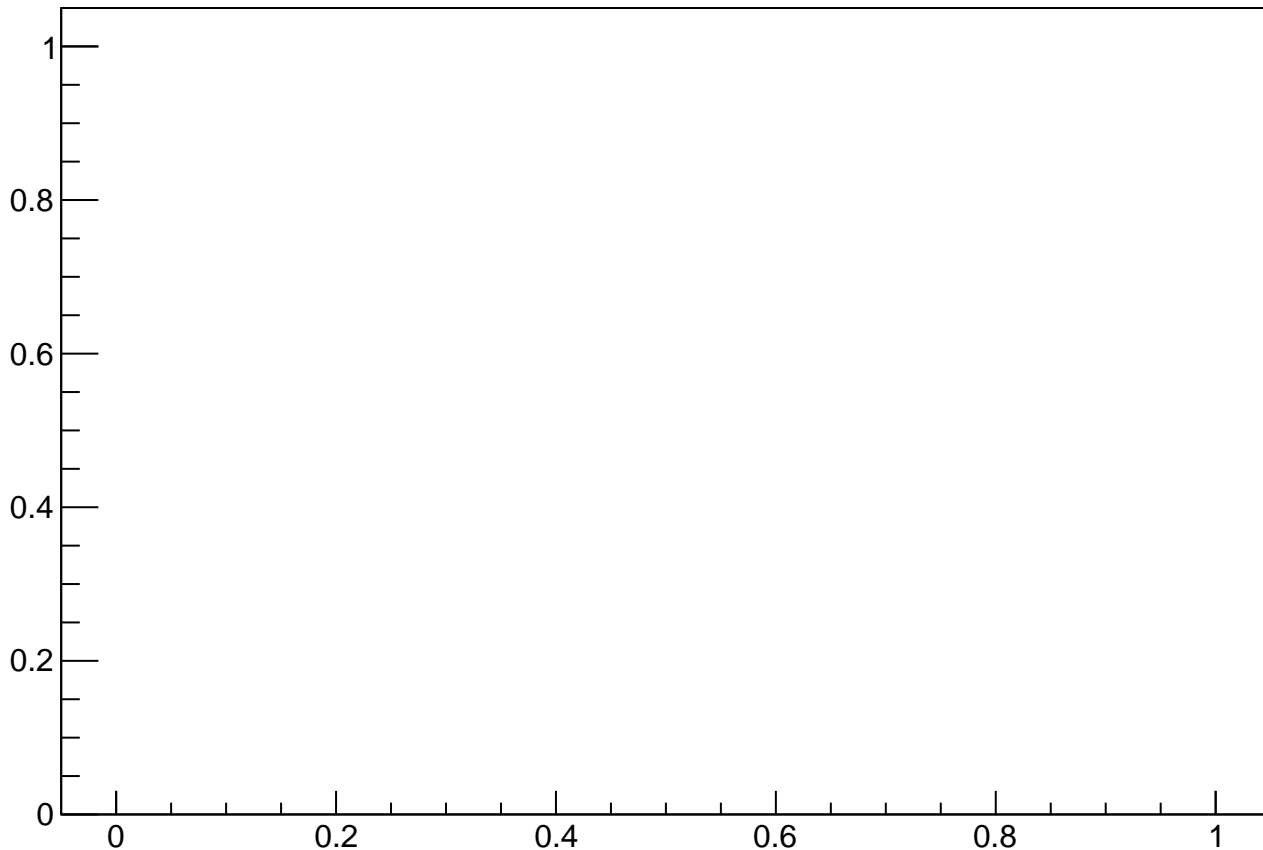
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

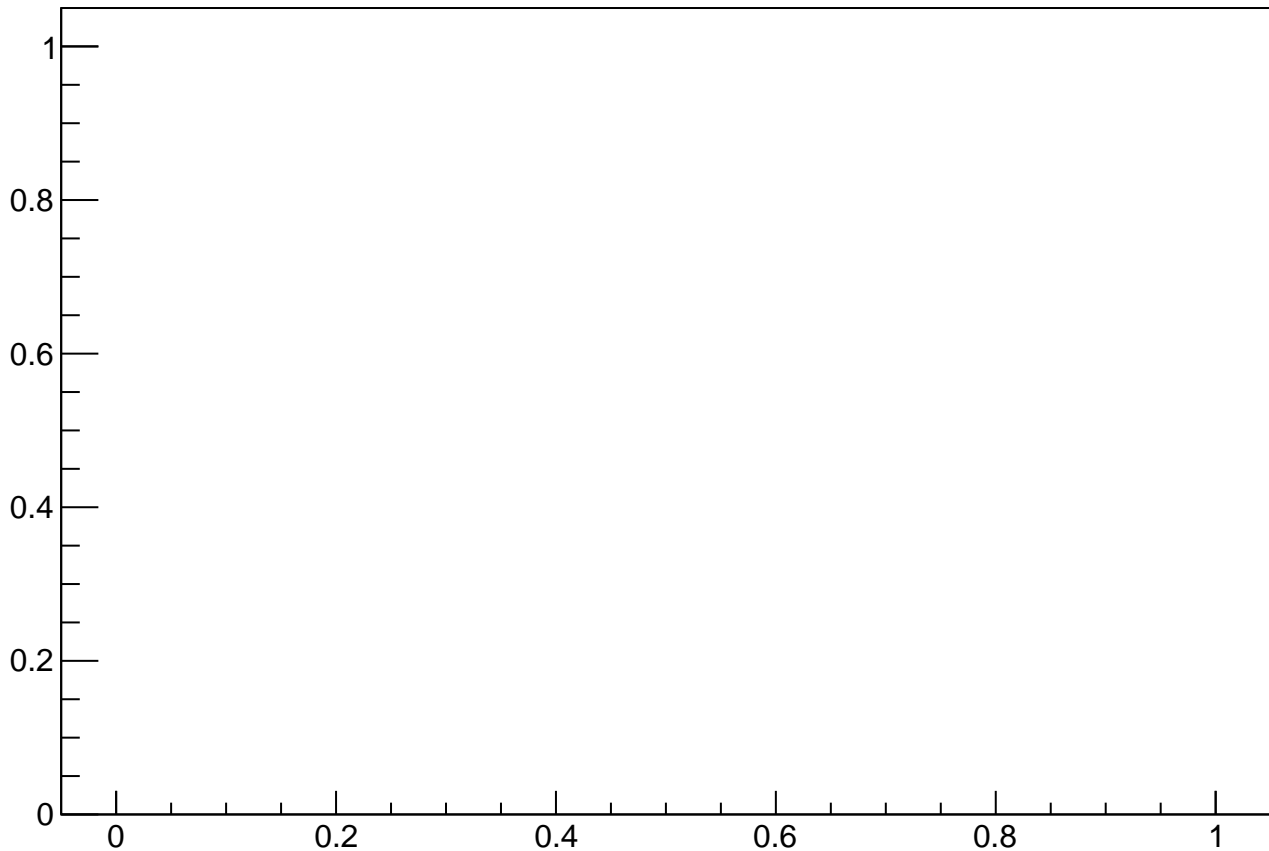
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_usl\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

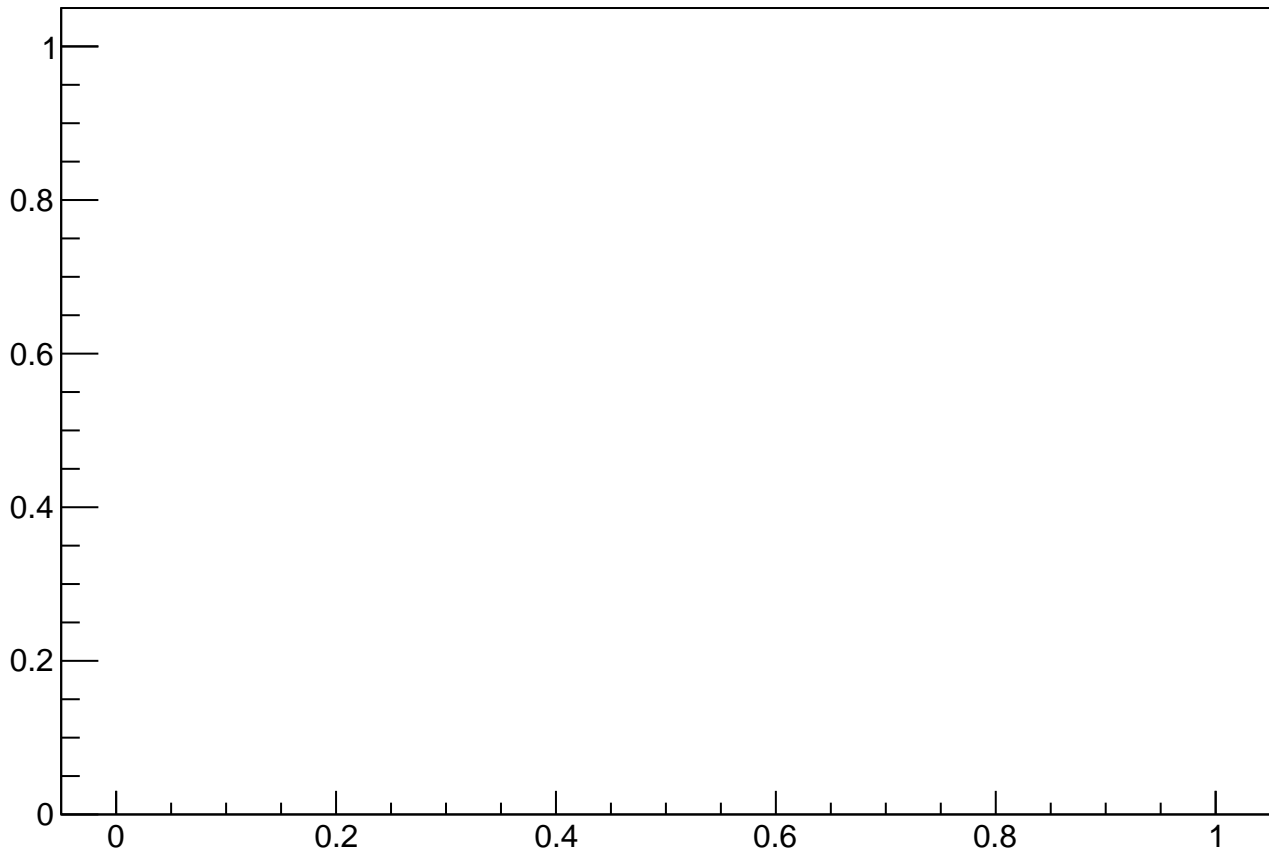
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

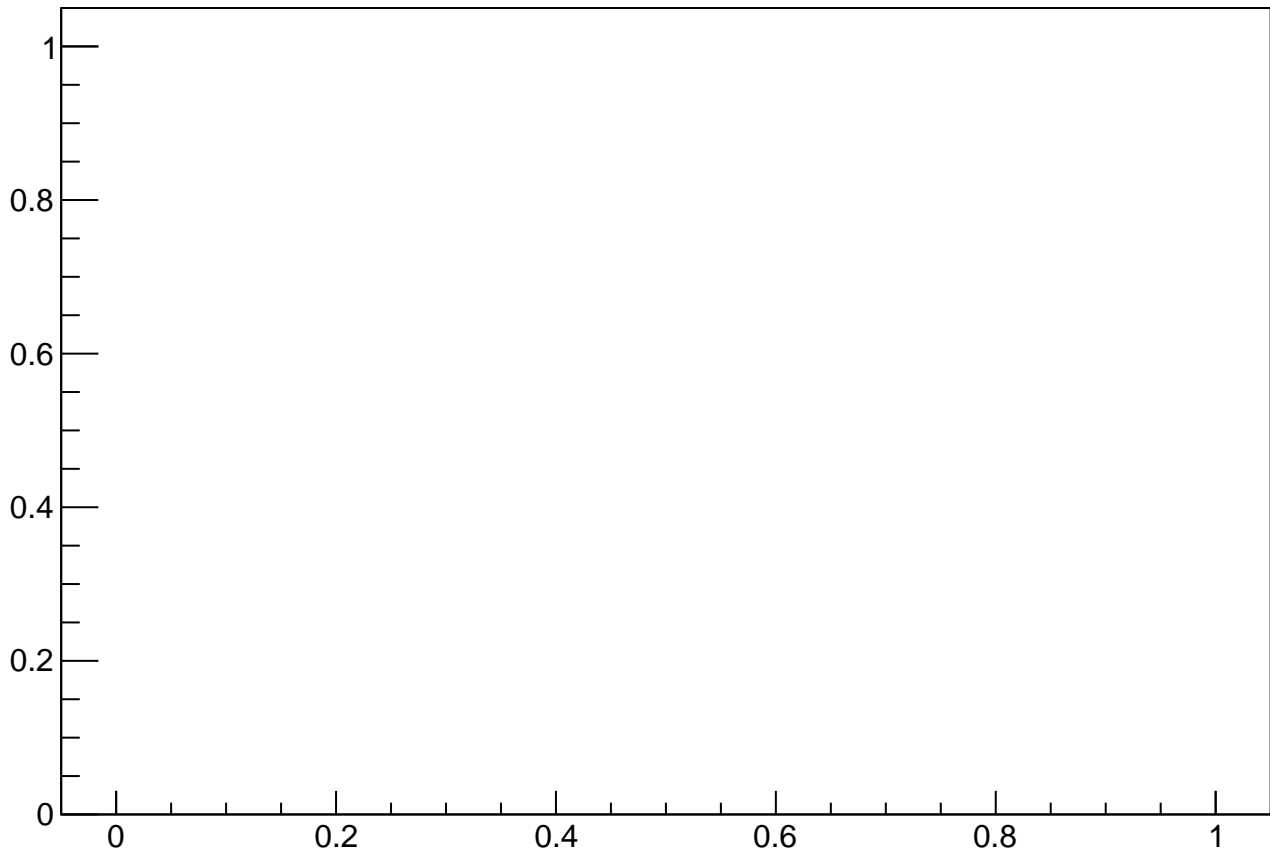
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_usr\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

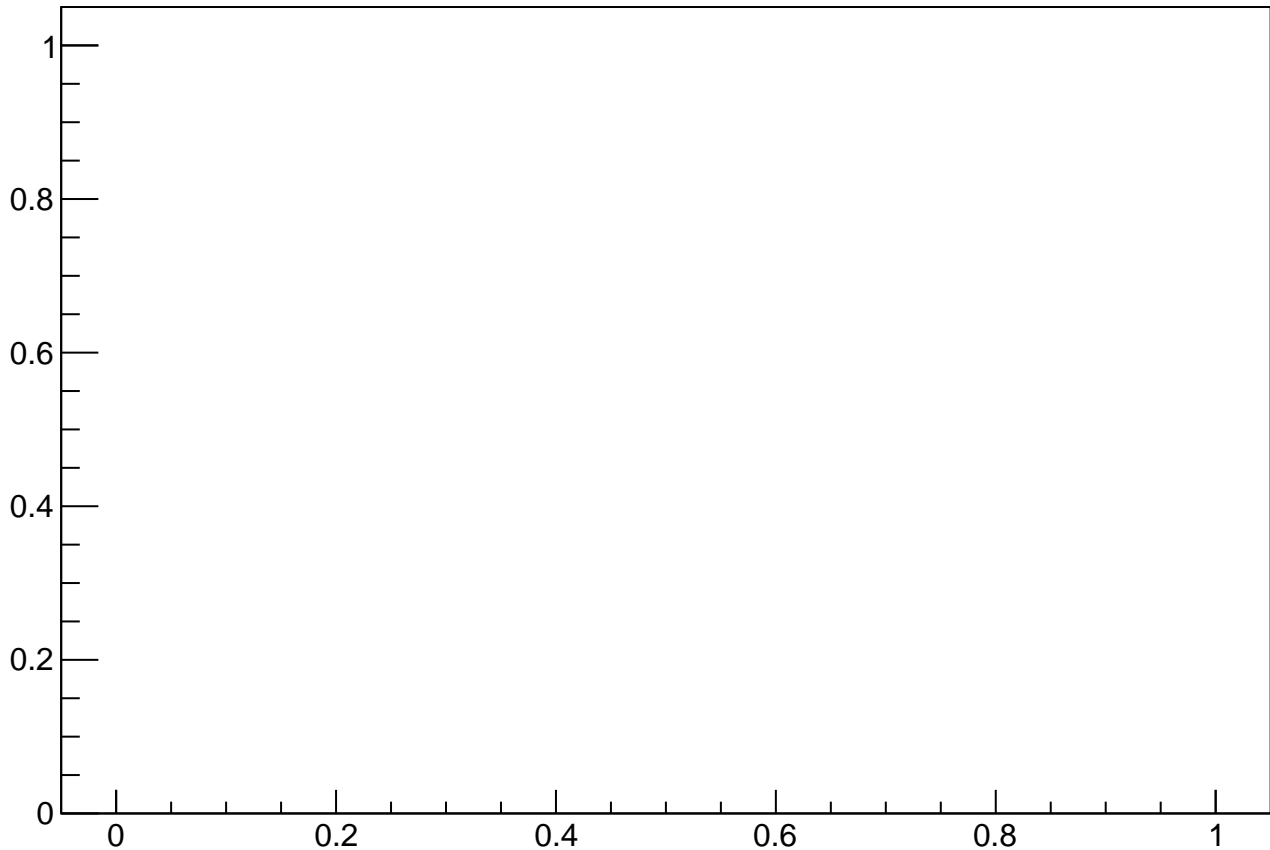
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

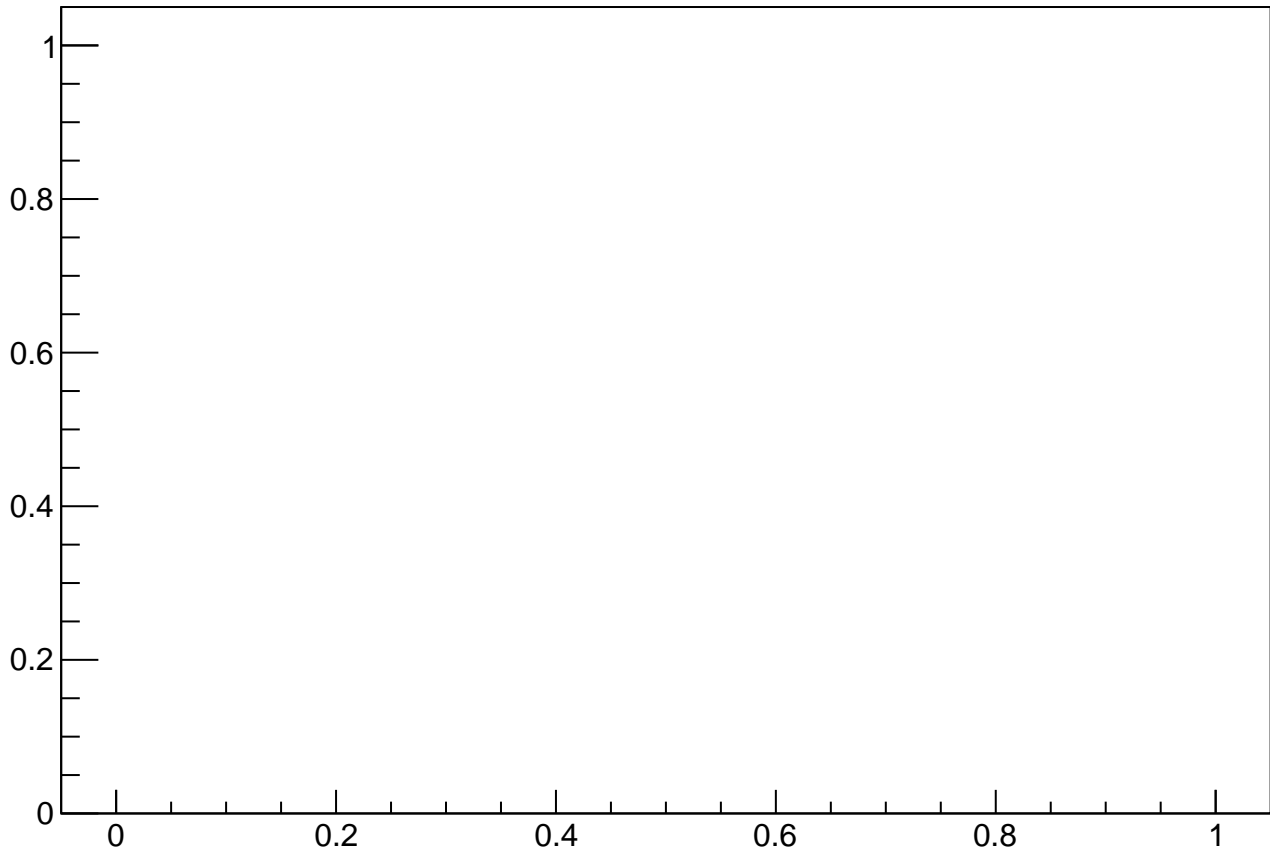
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atl1\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

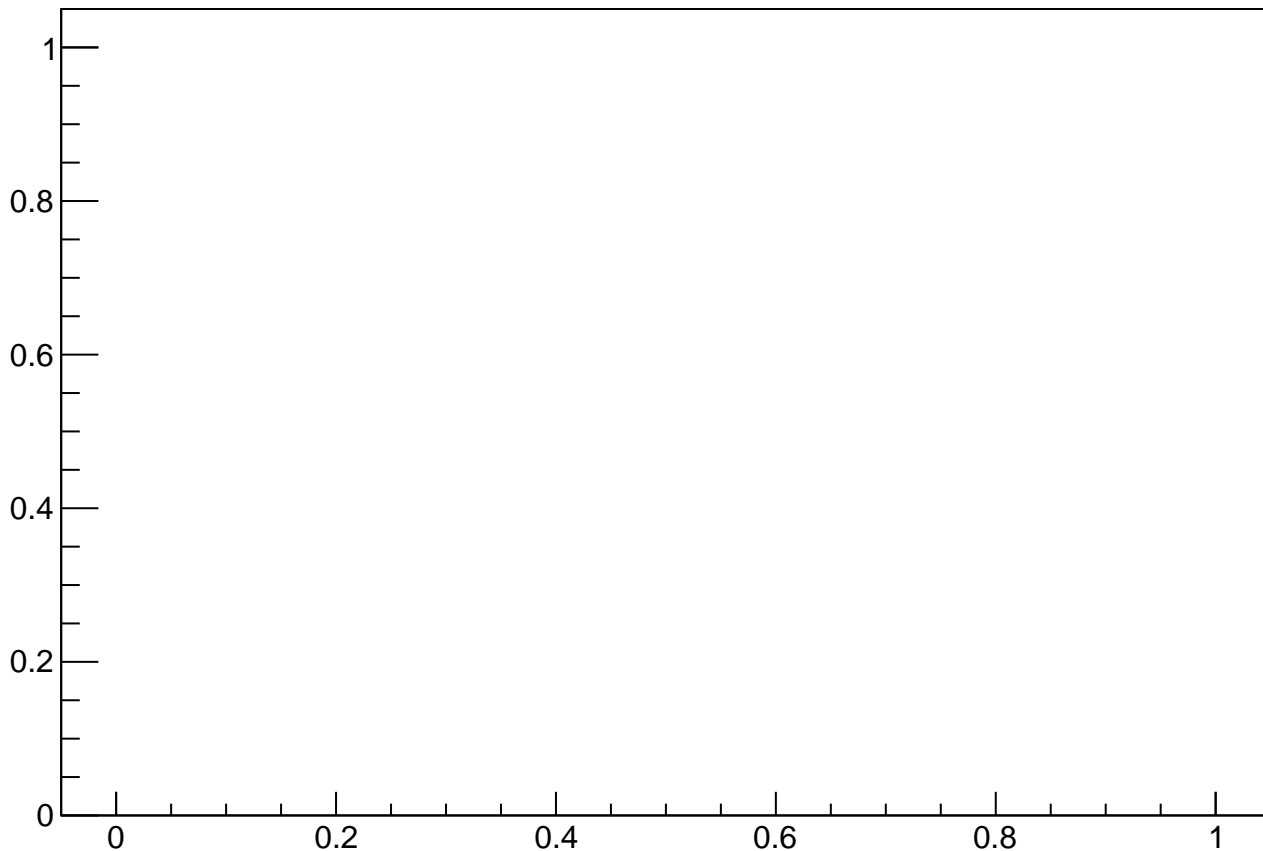
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

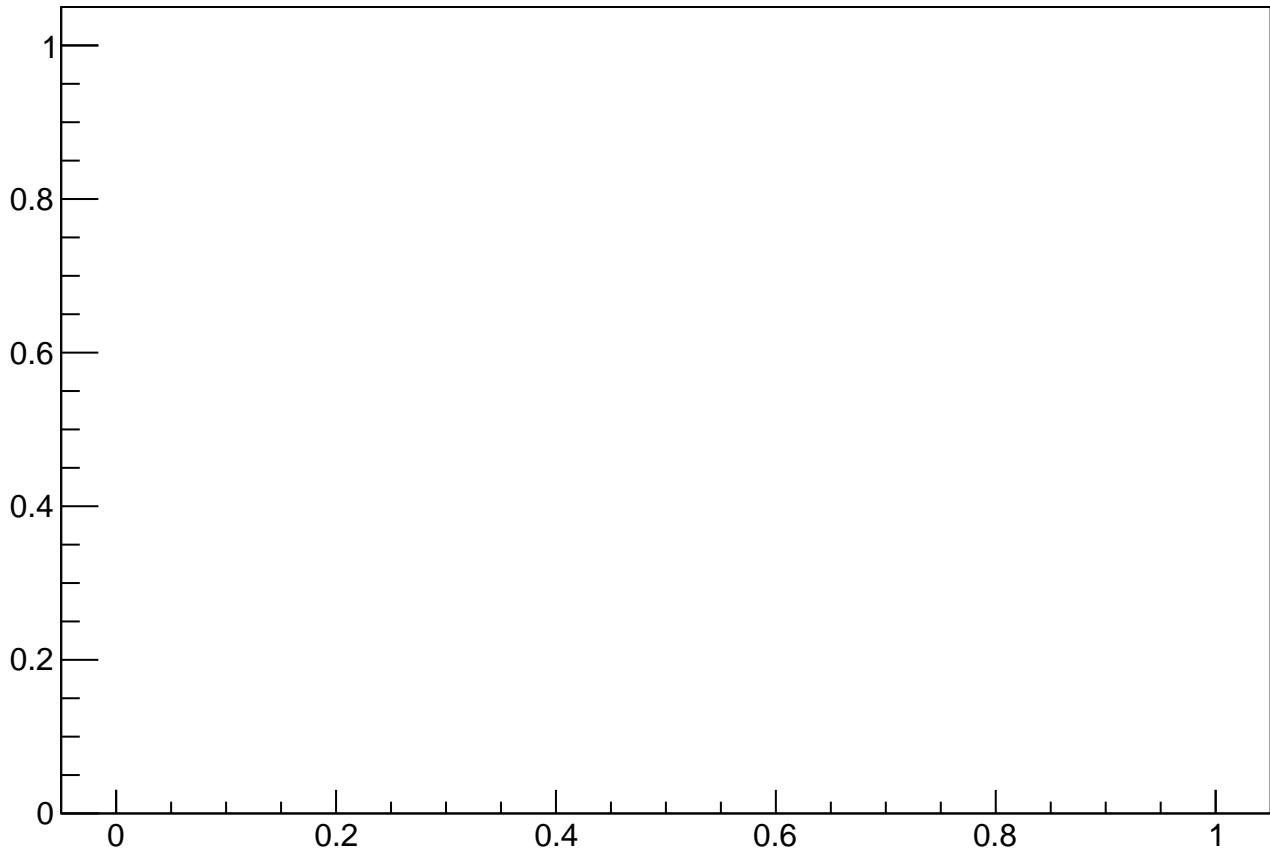
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

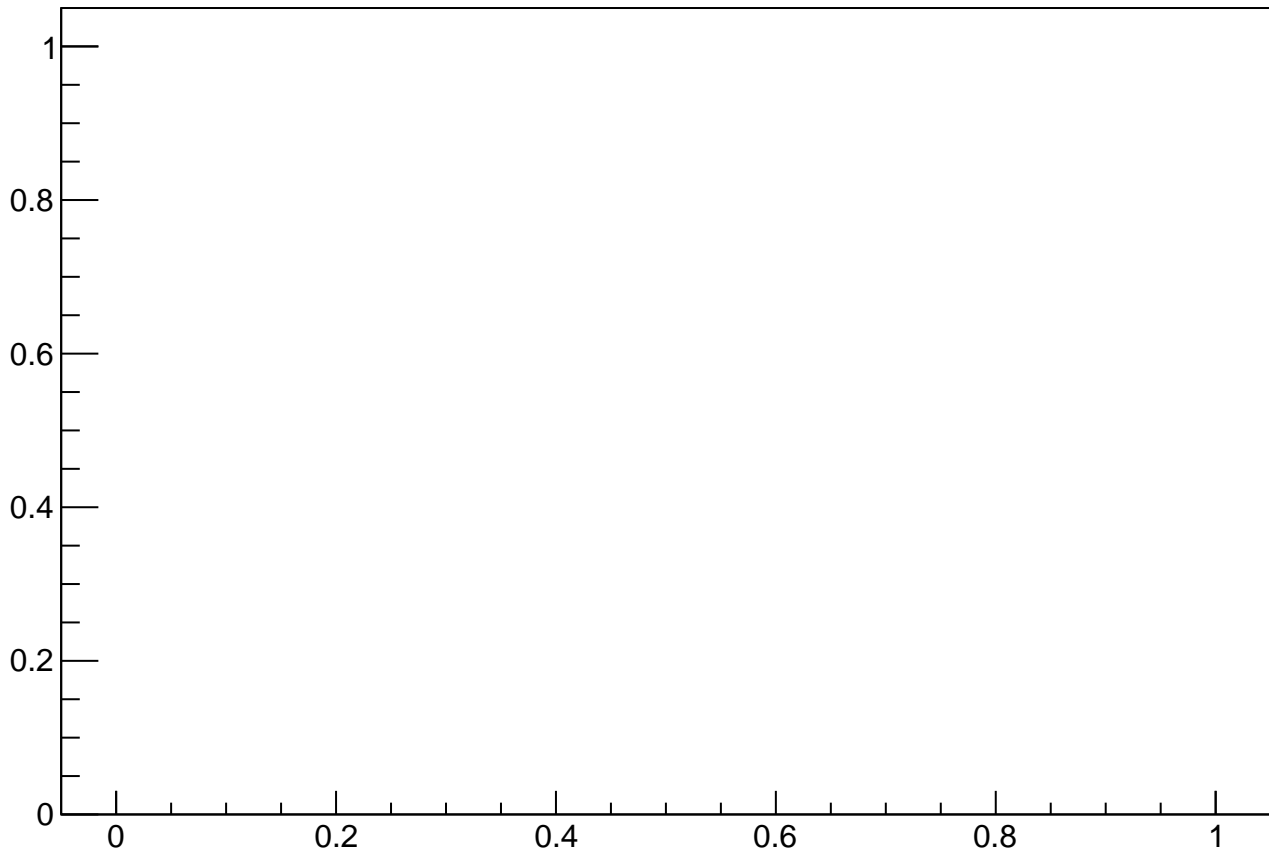
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

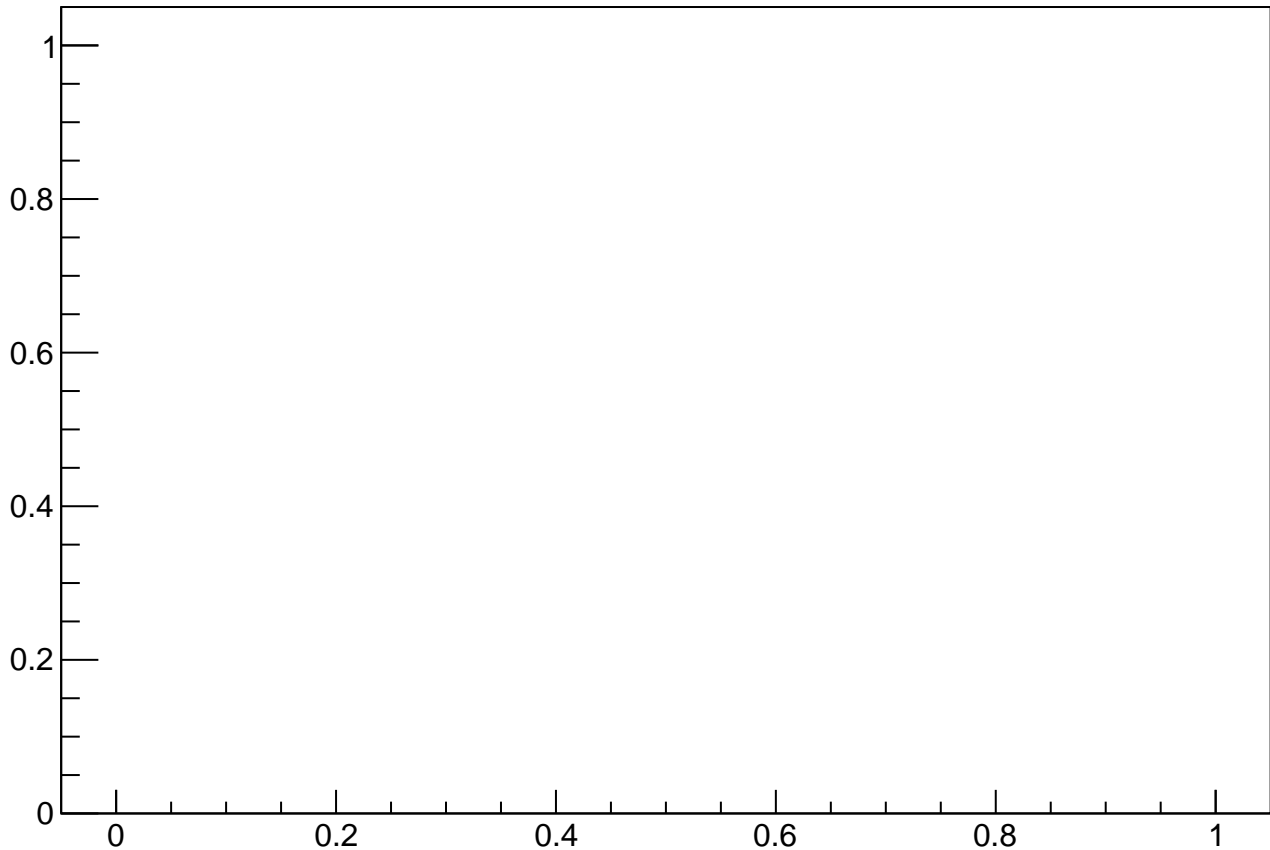
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

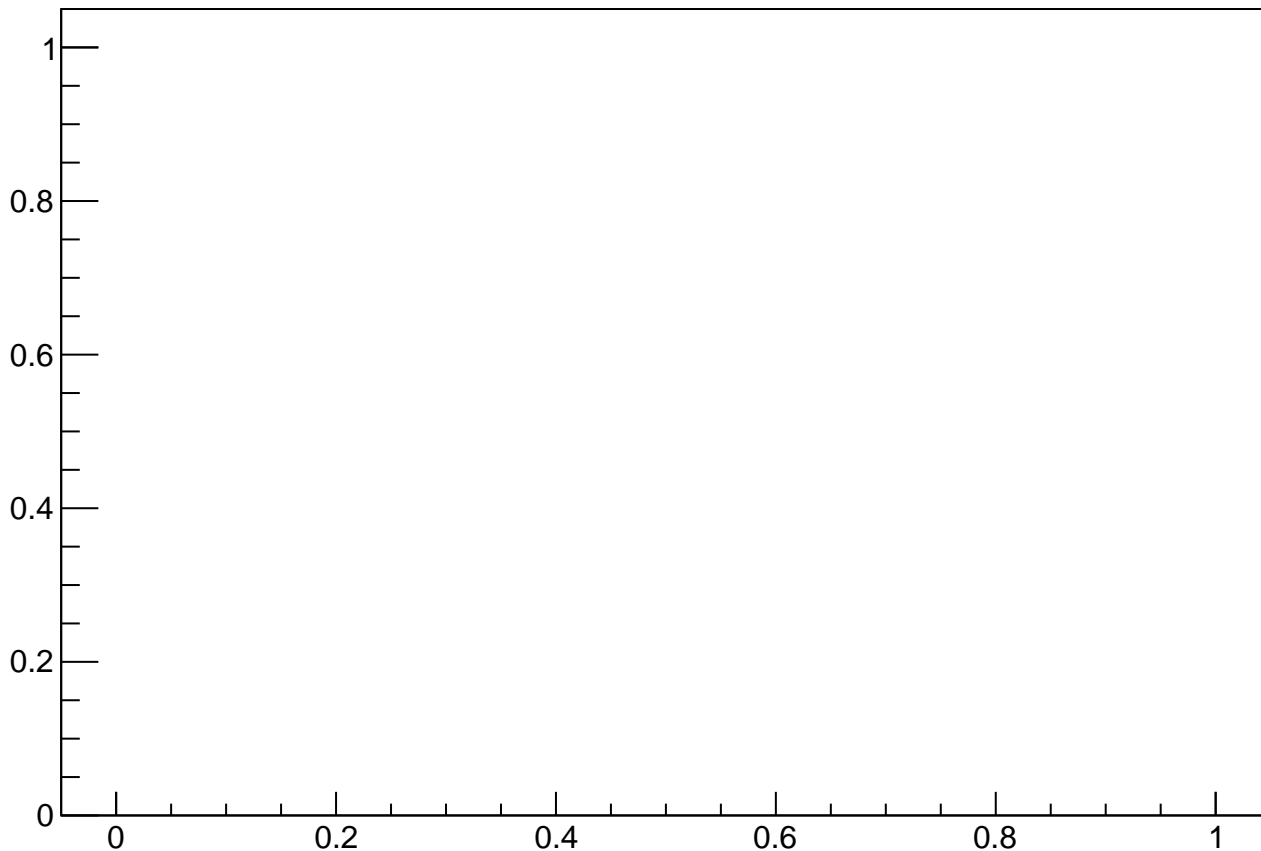
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

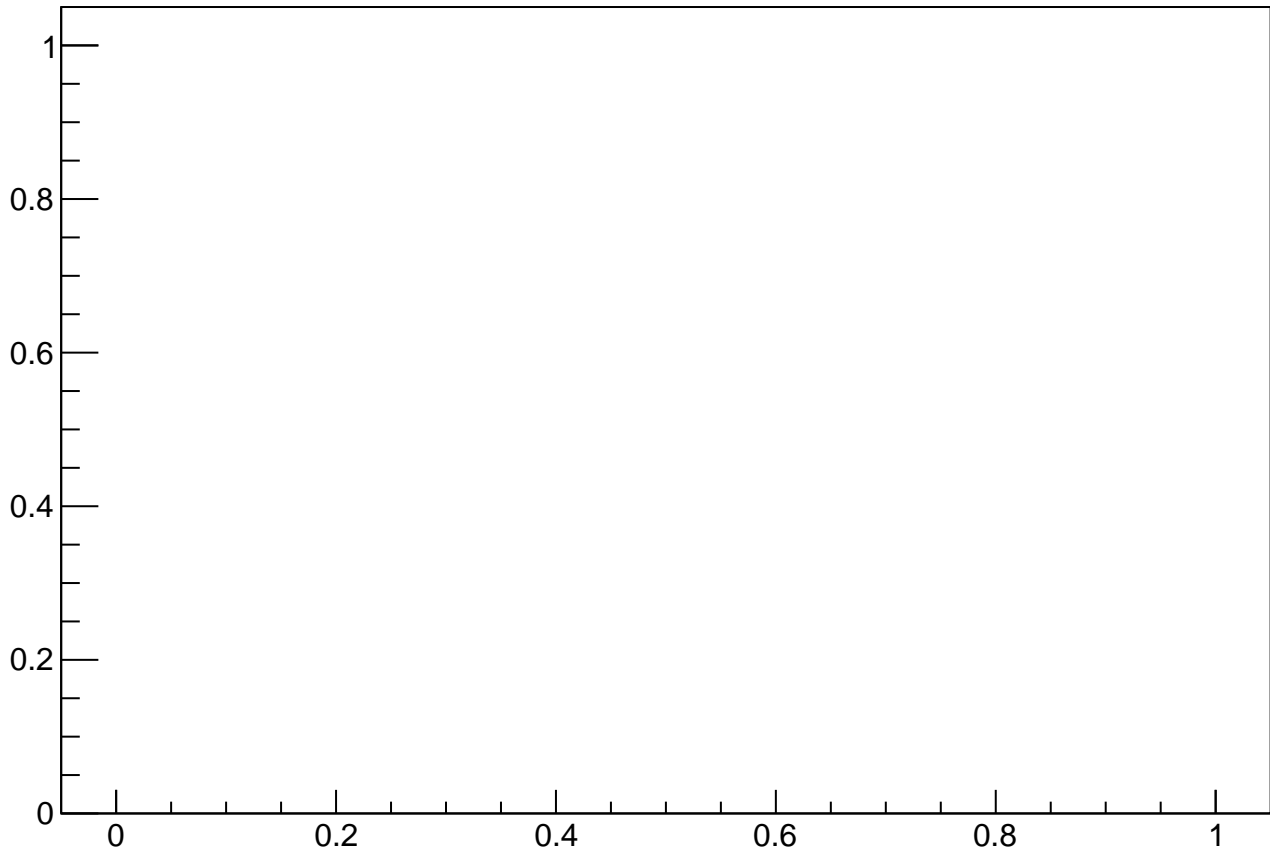
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

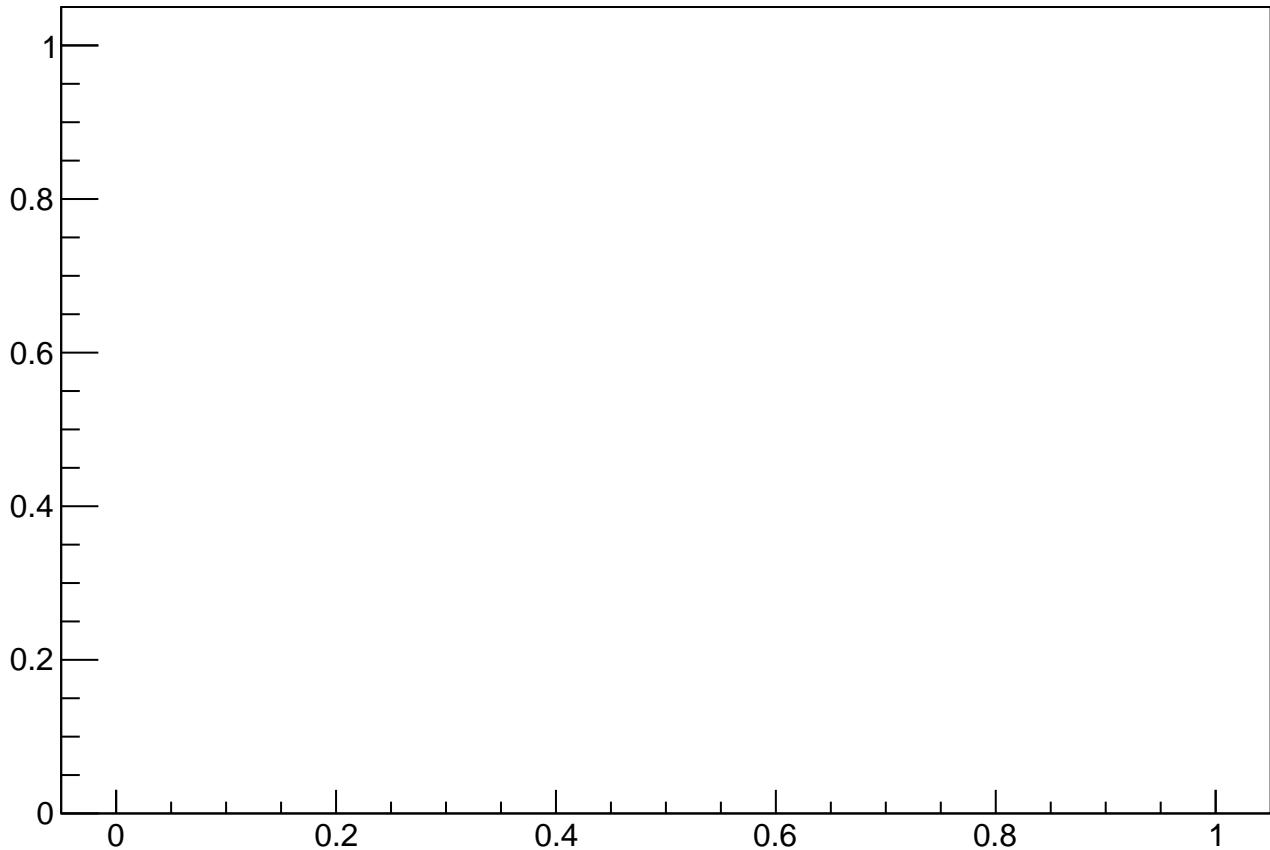
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atr2\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

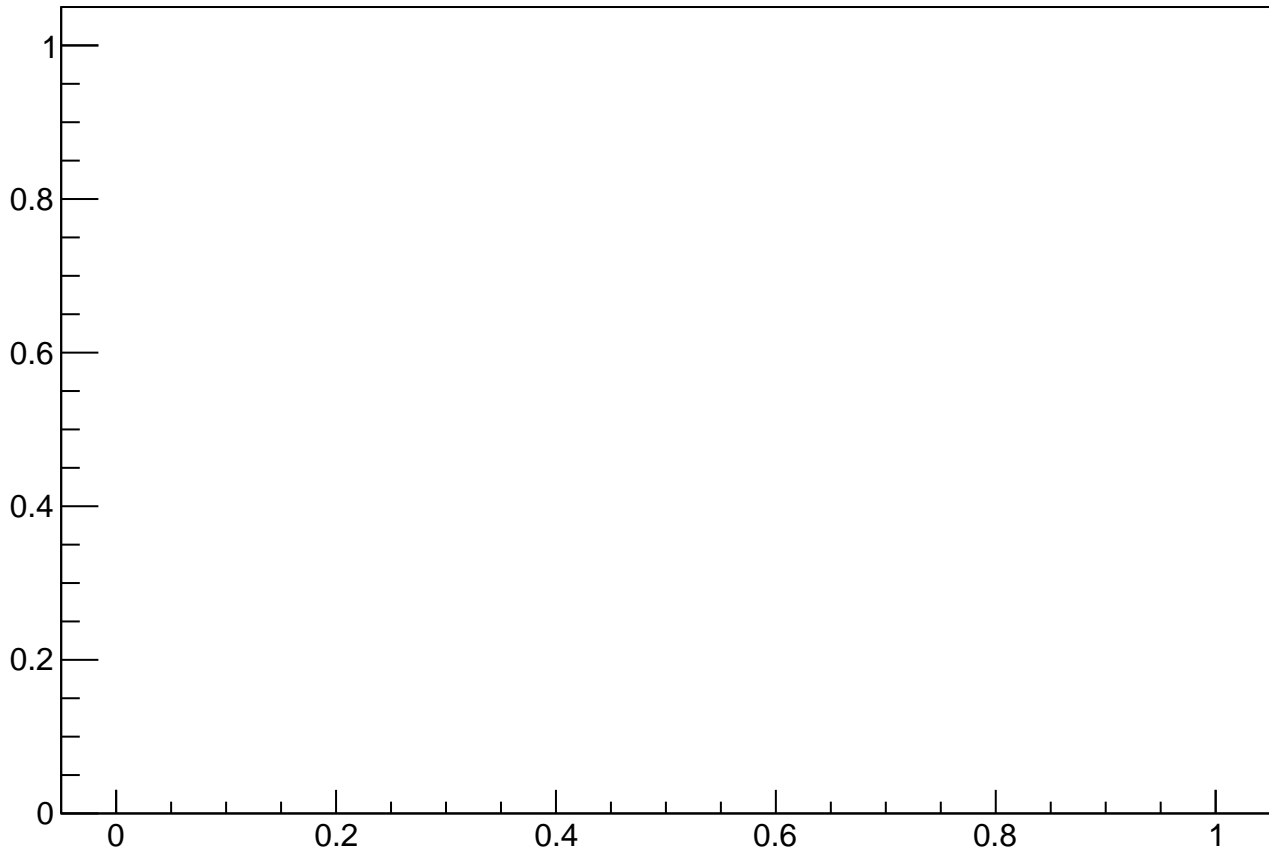
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

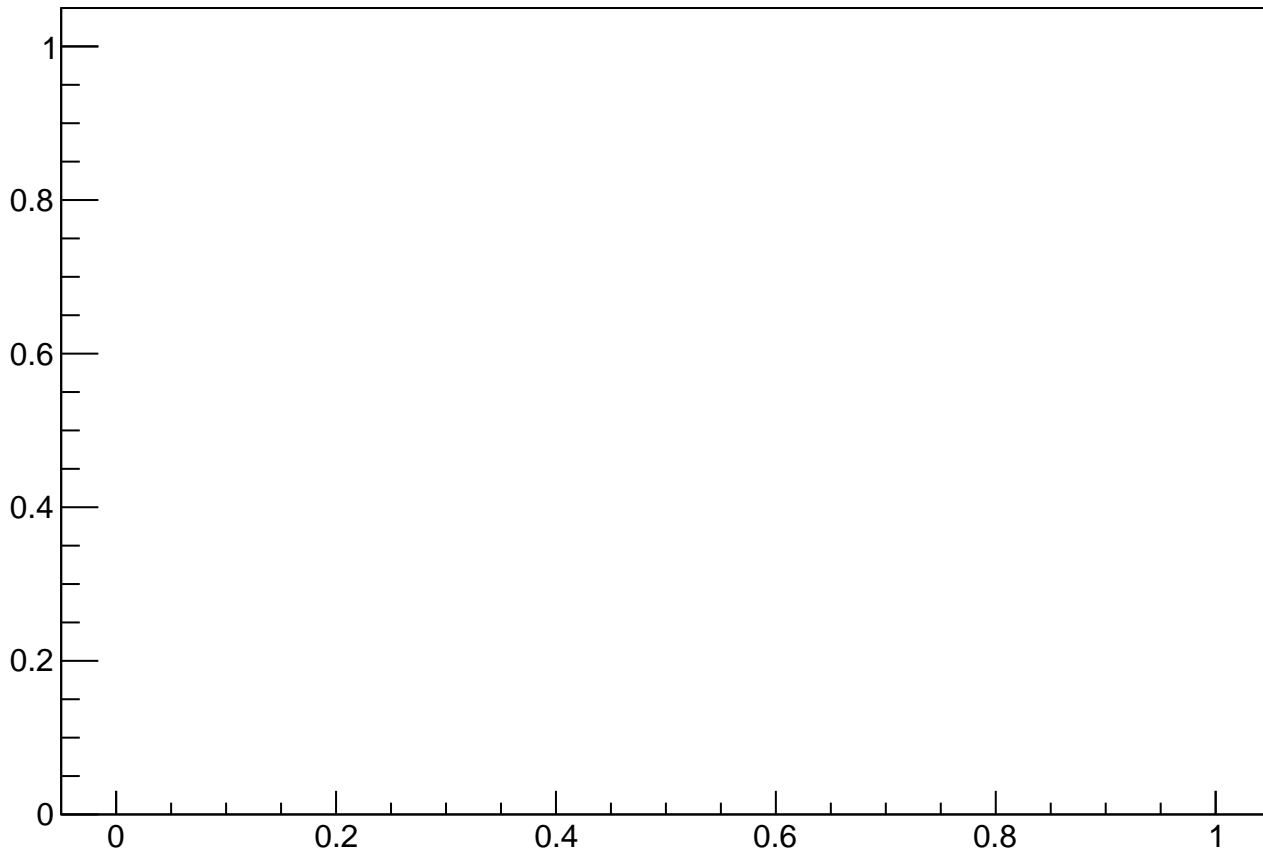
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

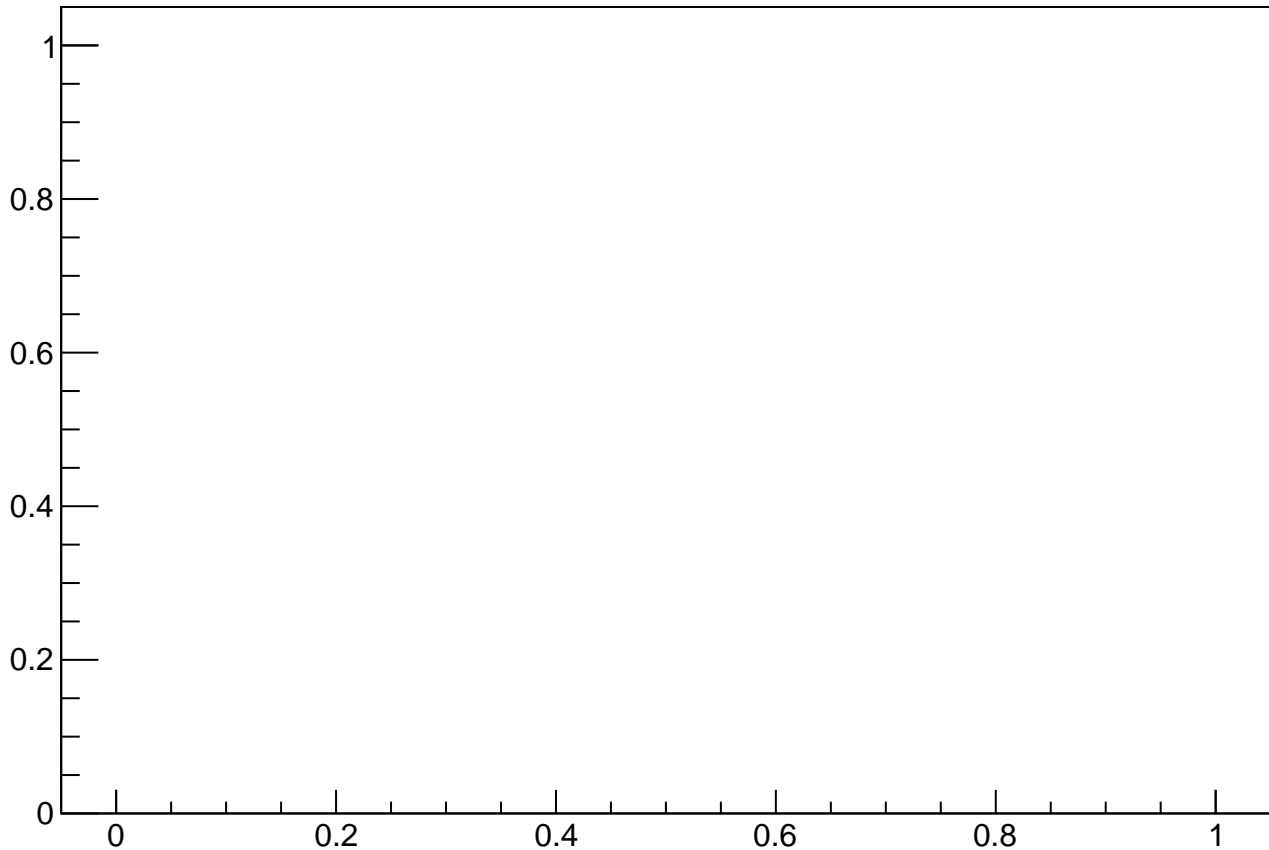
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

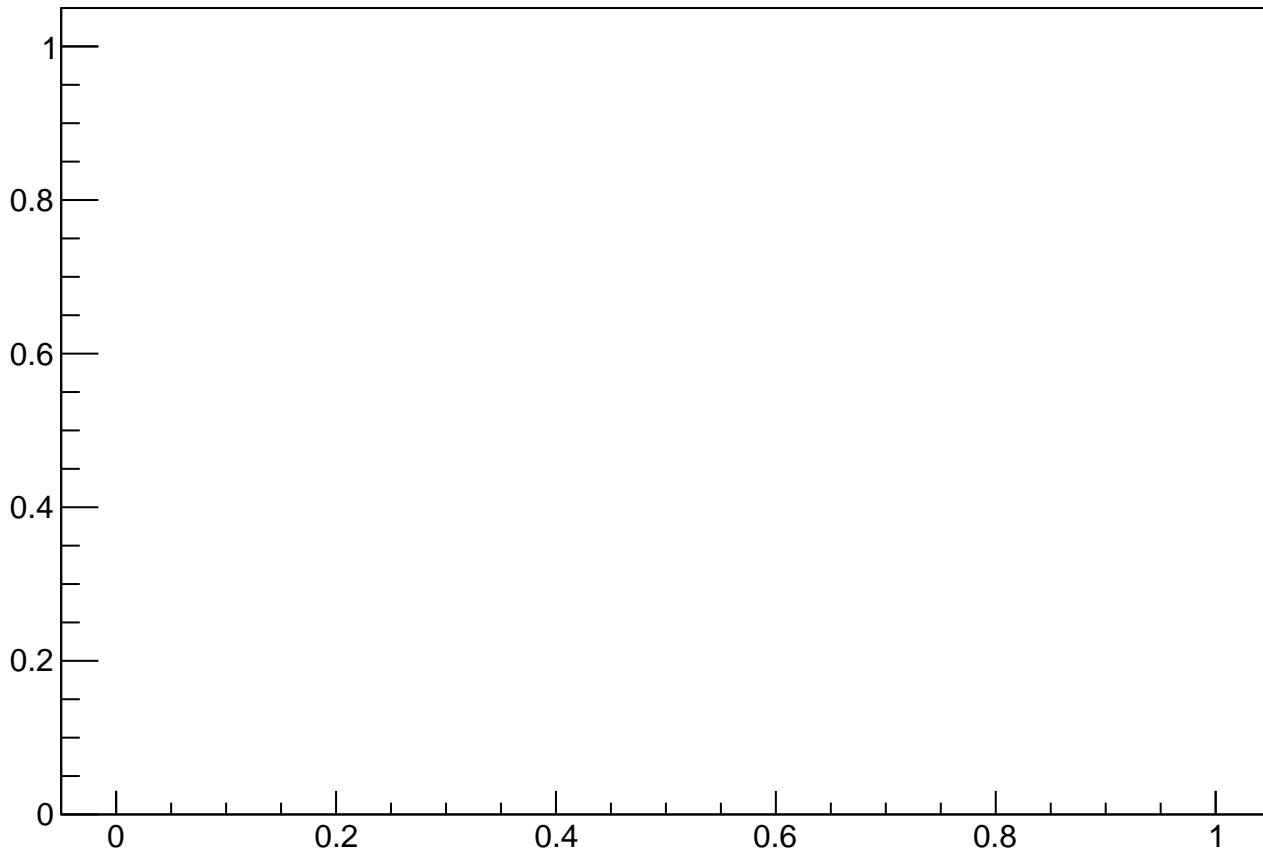
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

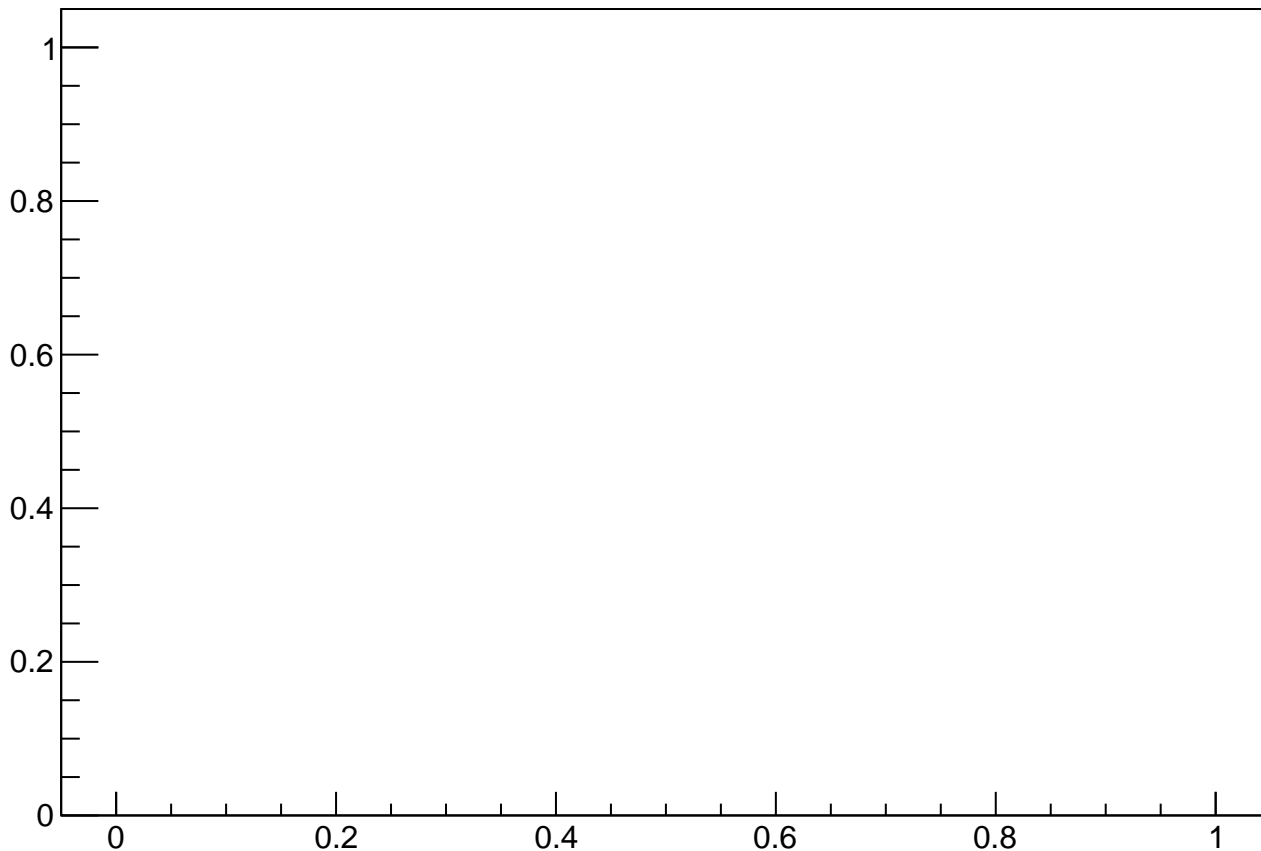
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam3\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

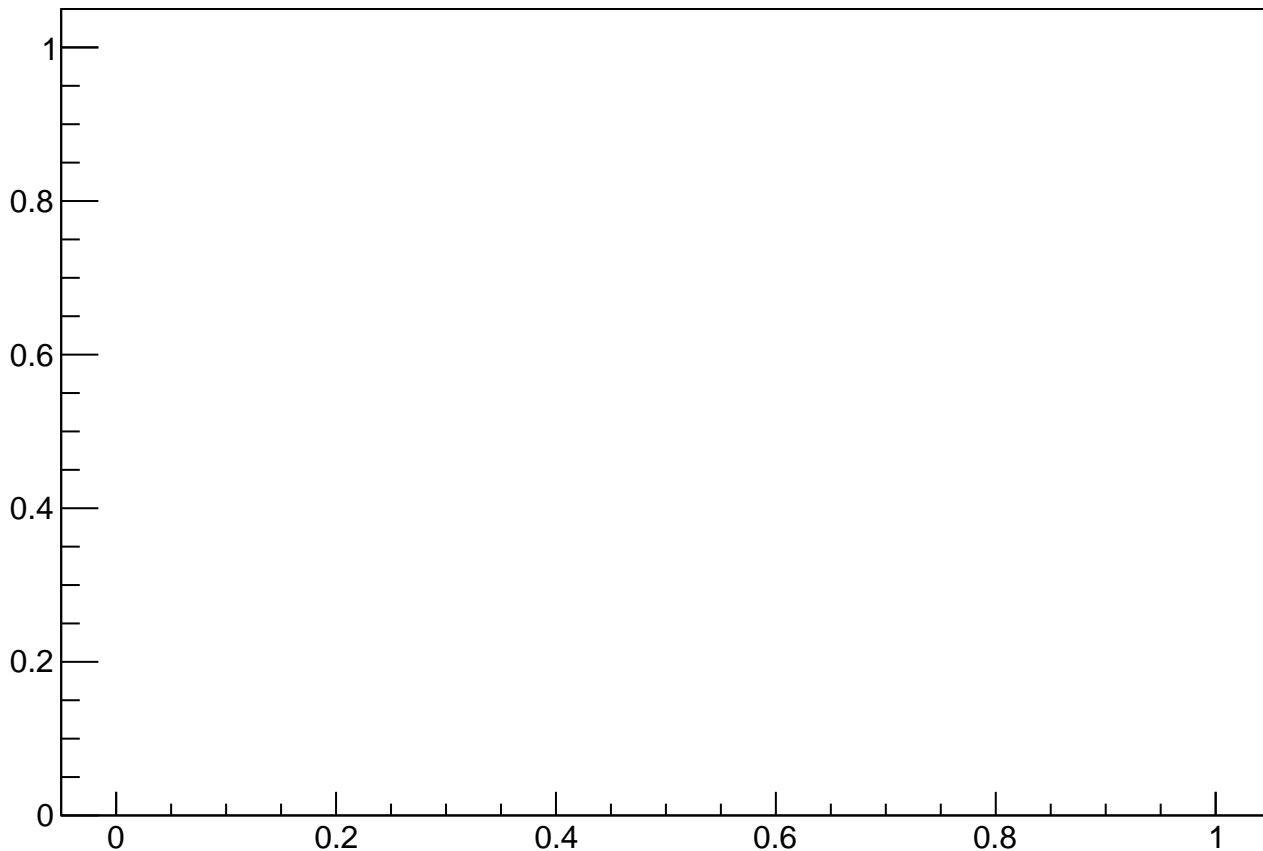
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam3\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

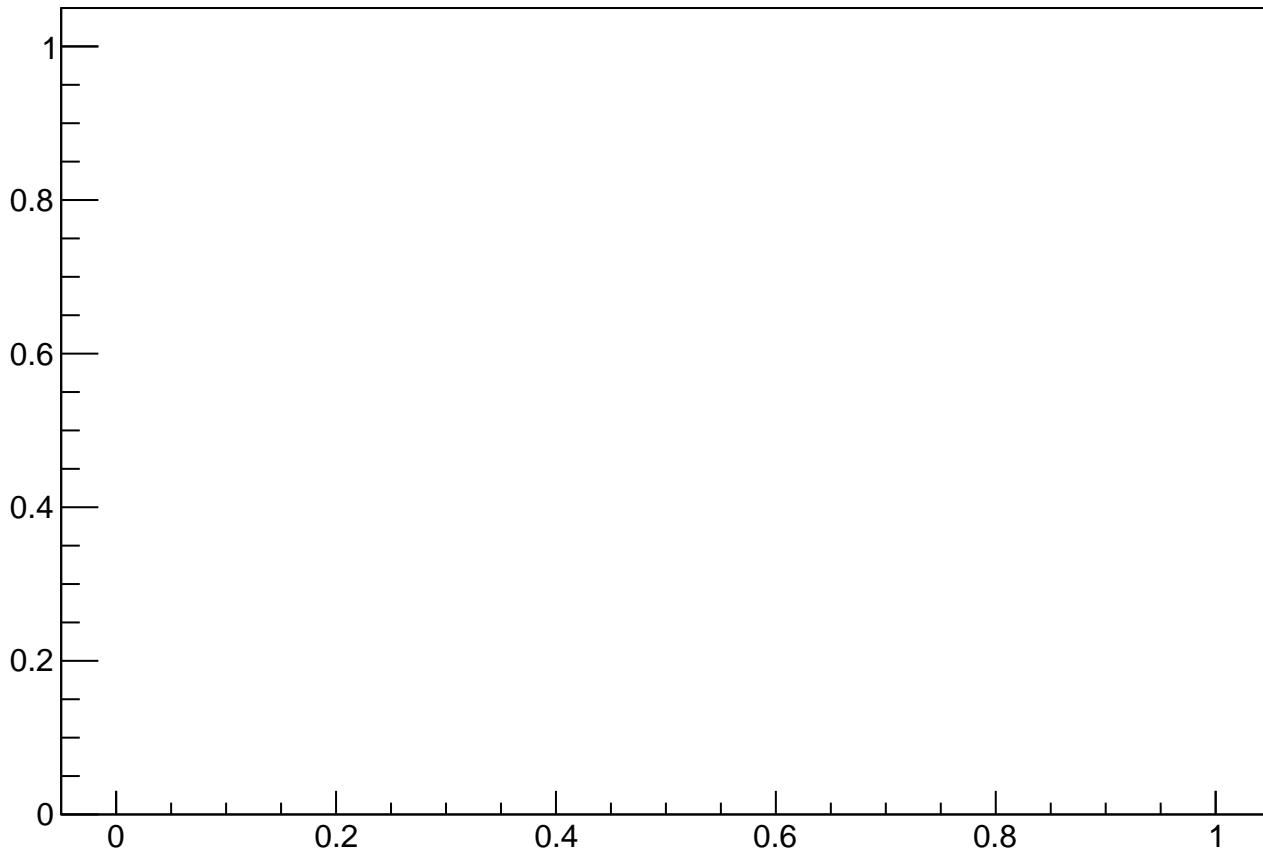
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

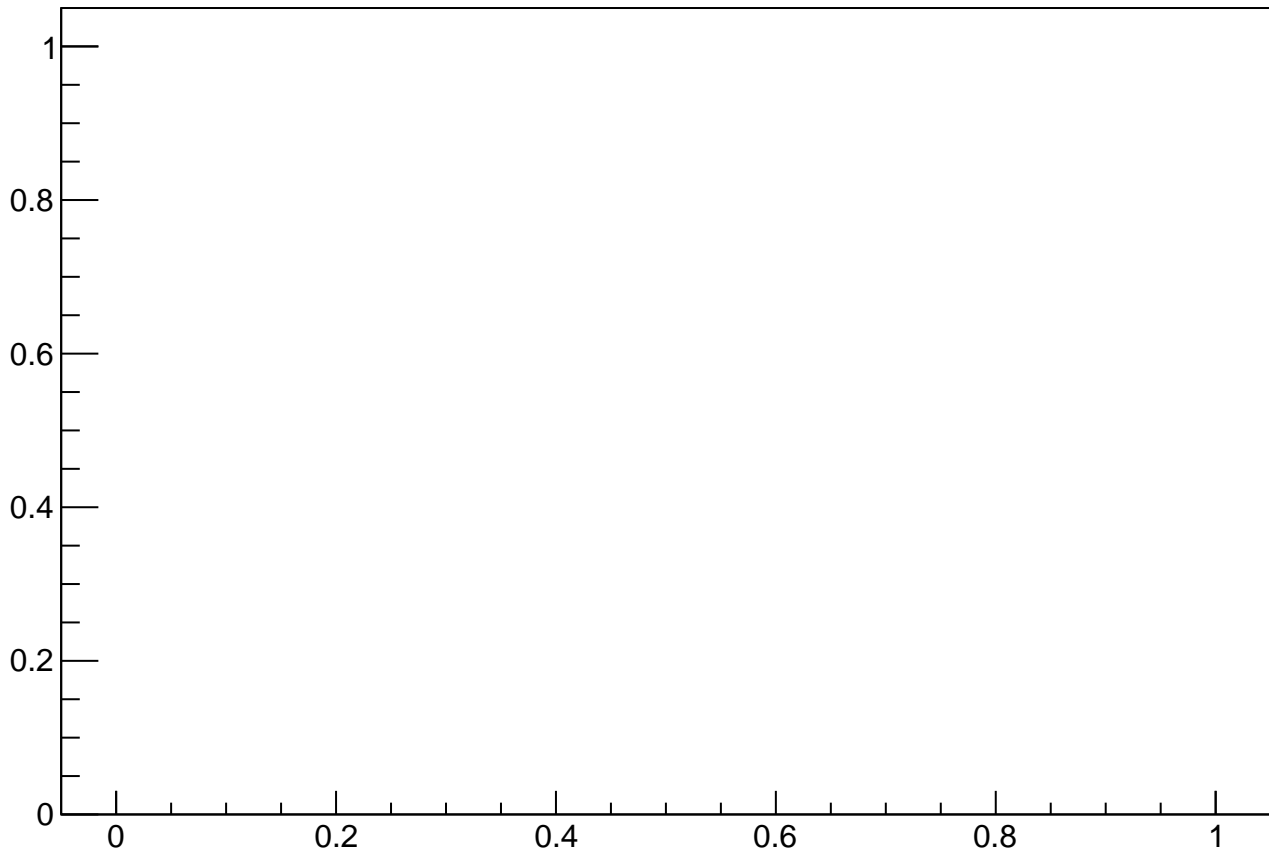
# dit\_sam3\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

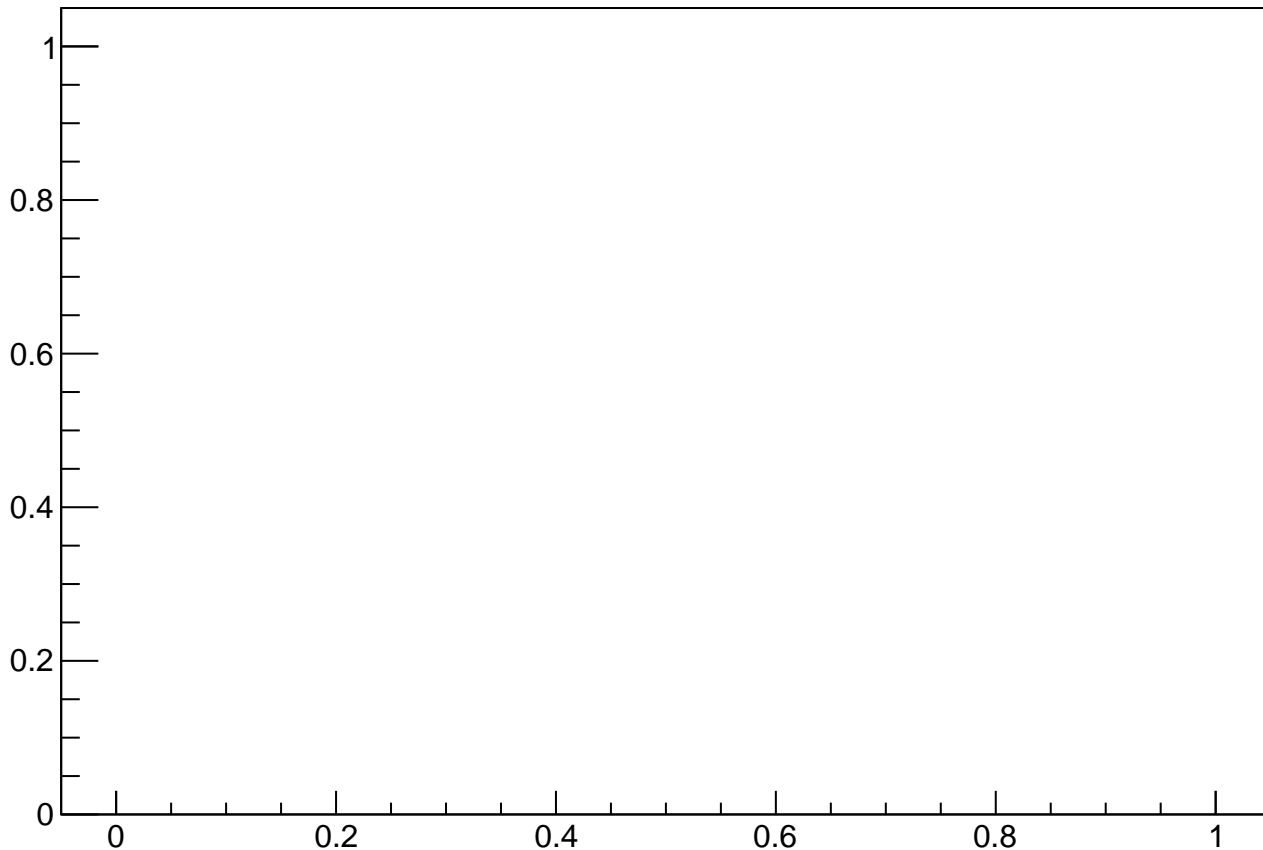
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam4\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

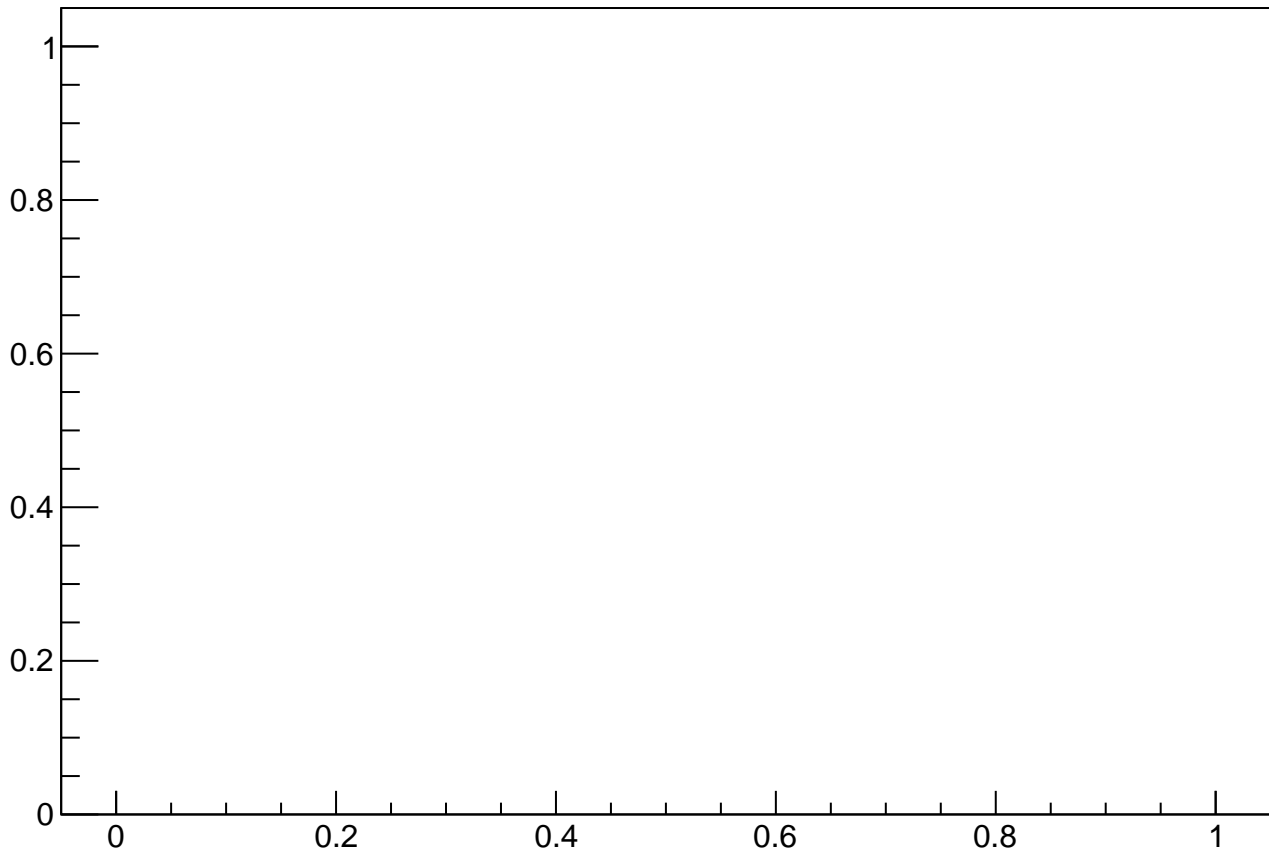
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

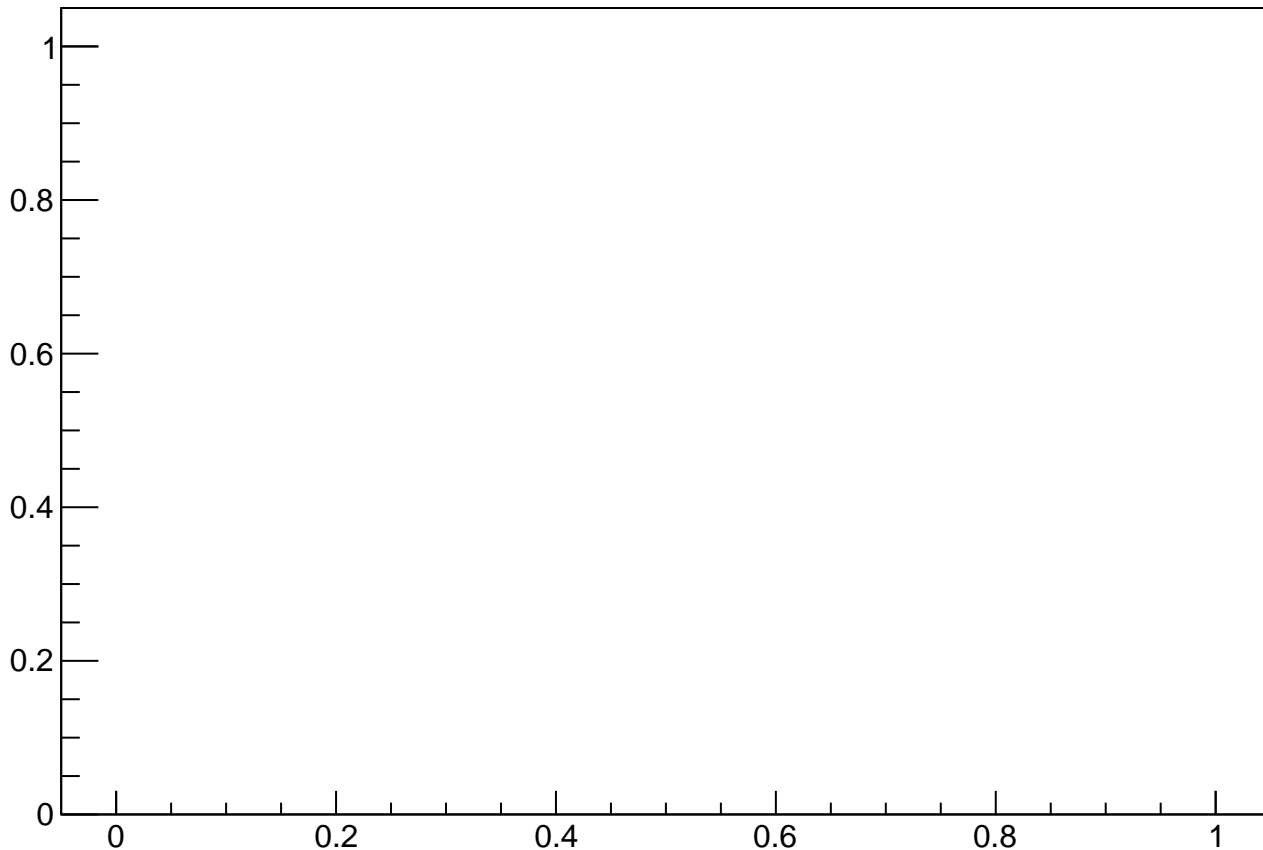
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam5\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam5\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

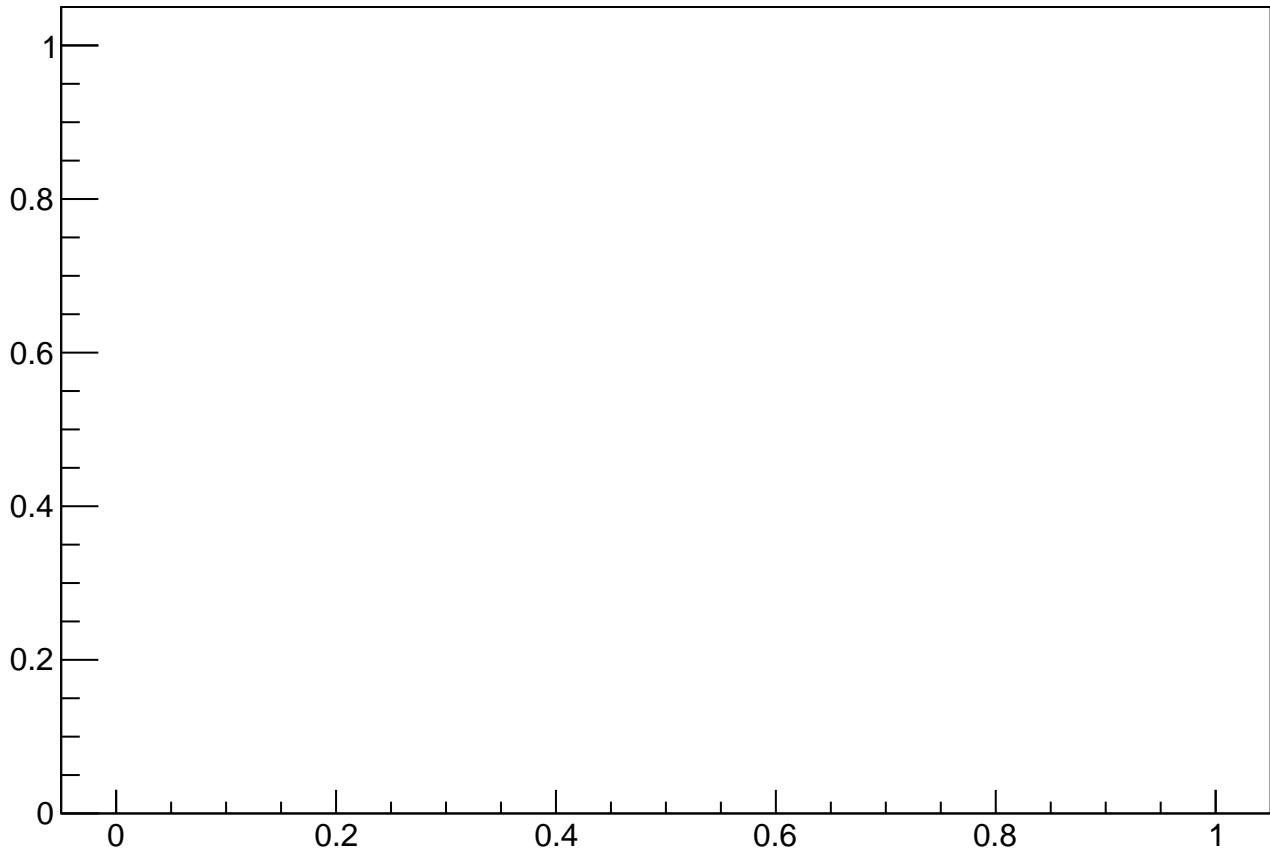
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

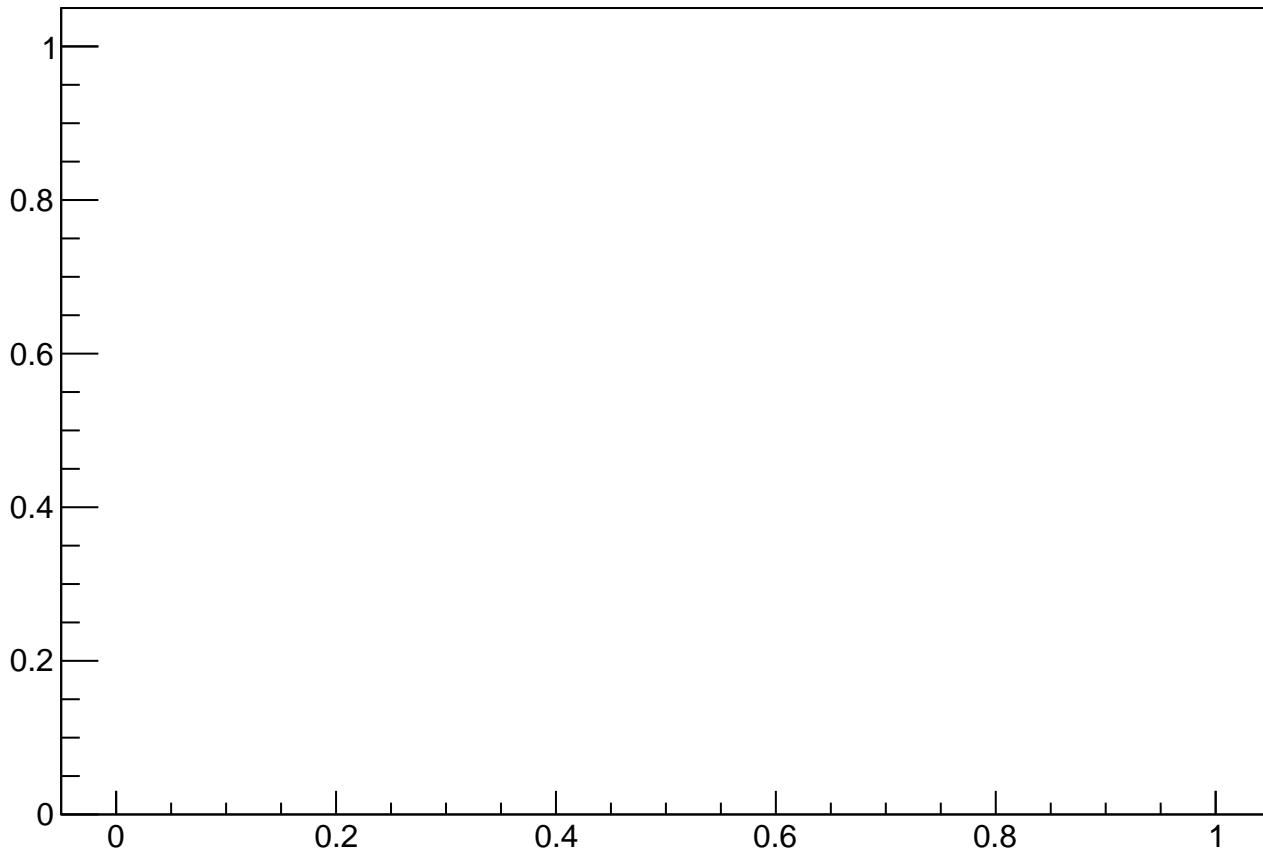
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

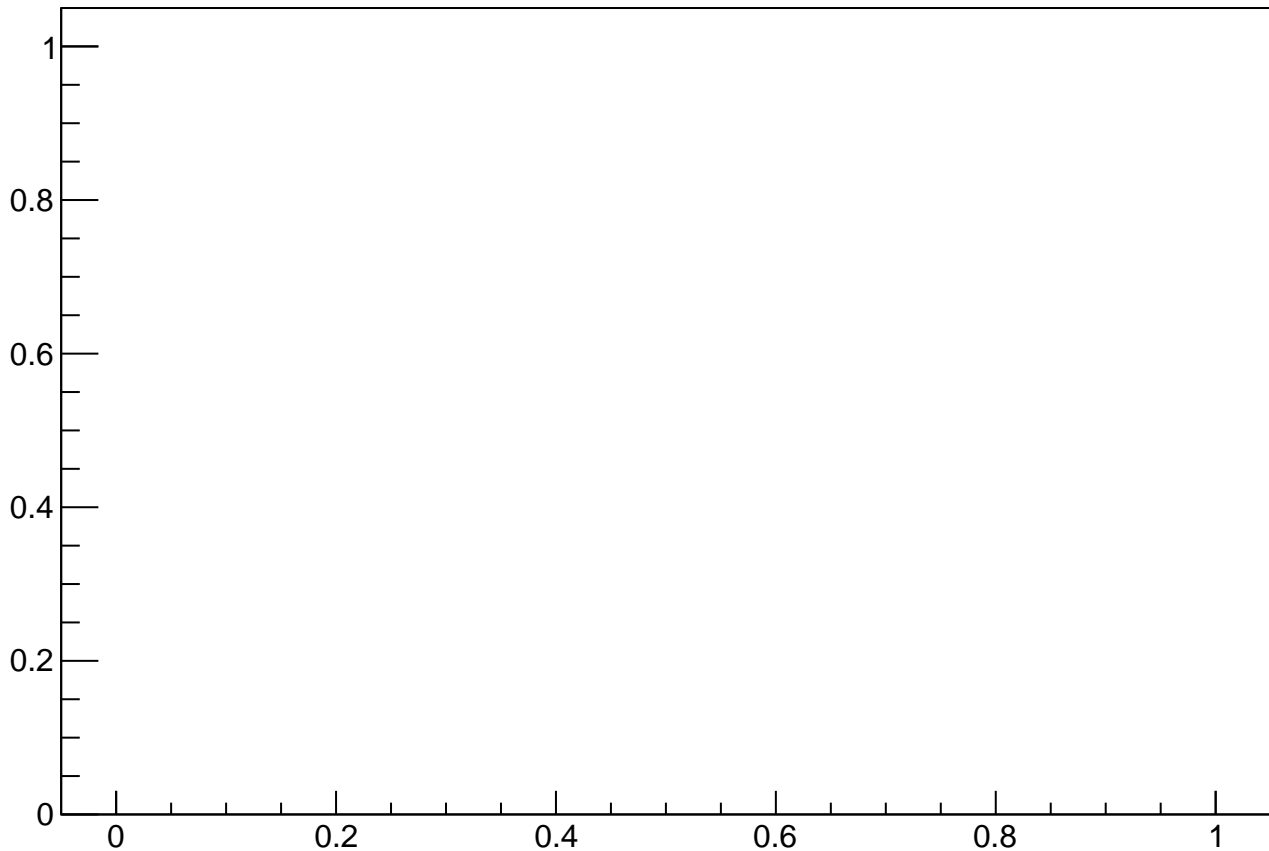
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

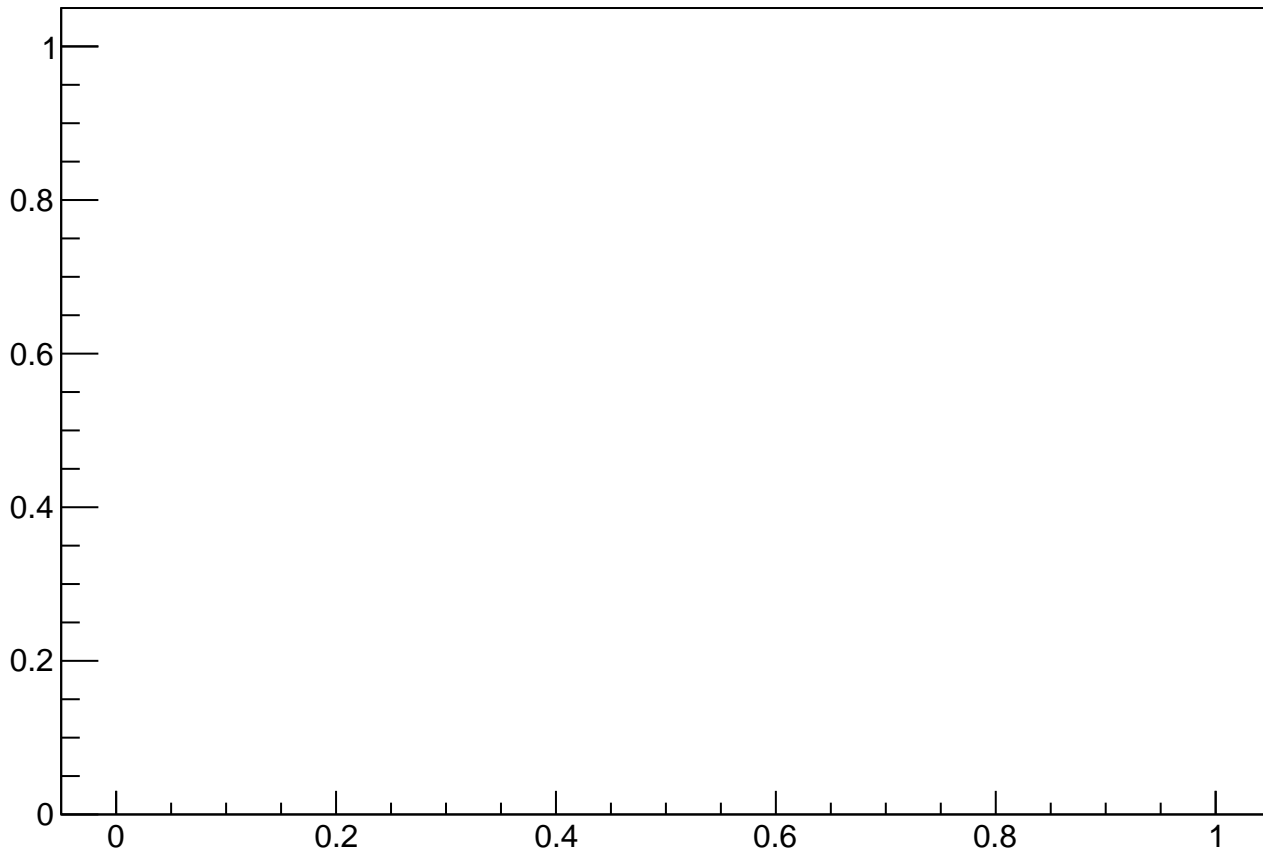
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

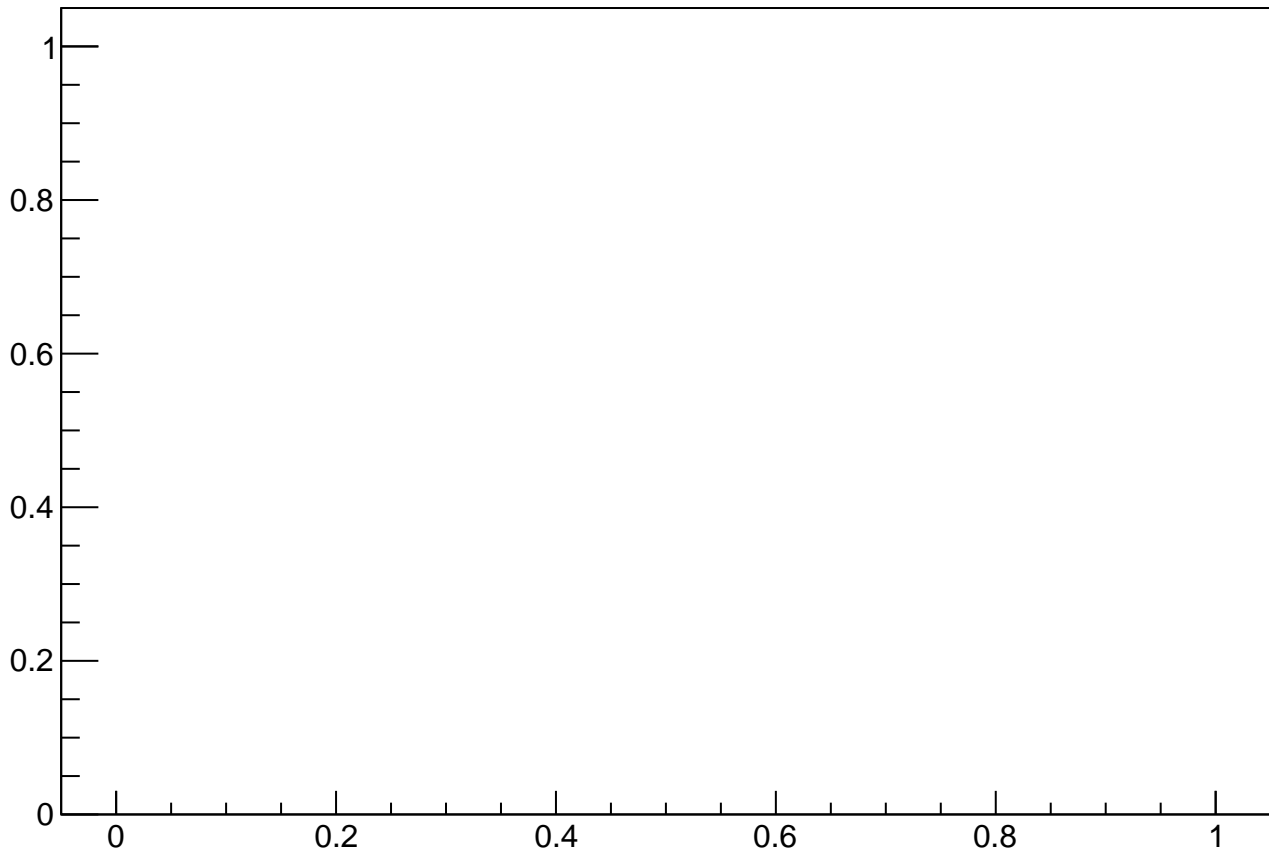
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil4\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

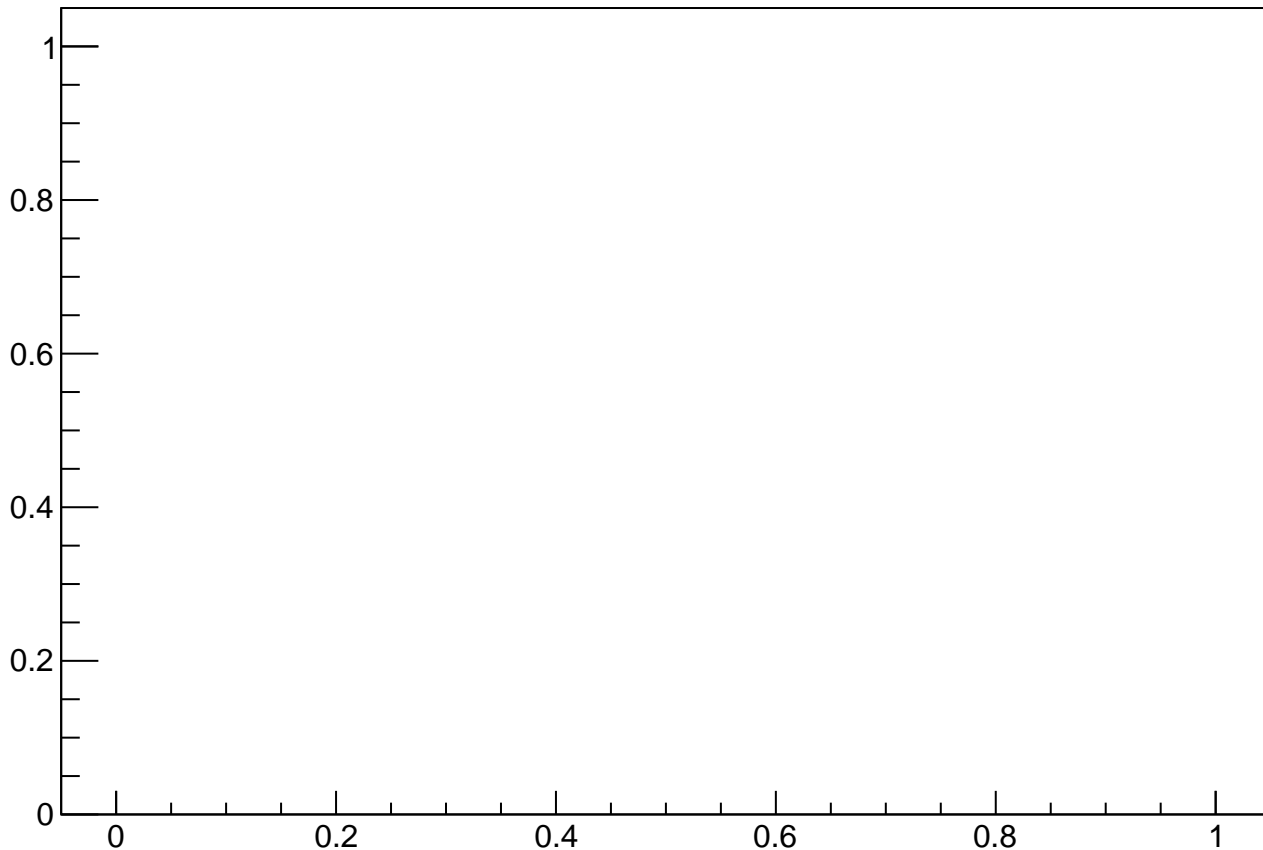
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam8\_coil4\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam8\_coil4\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

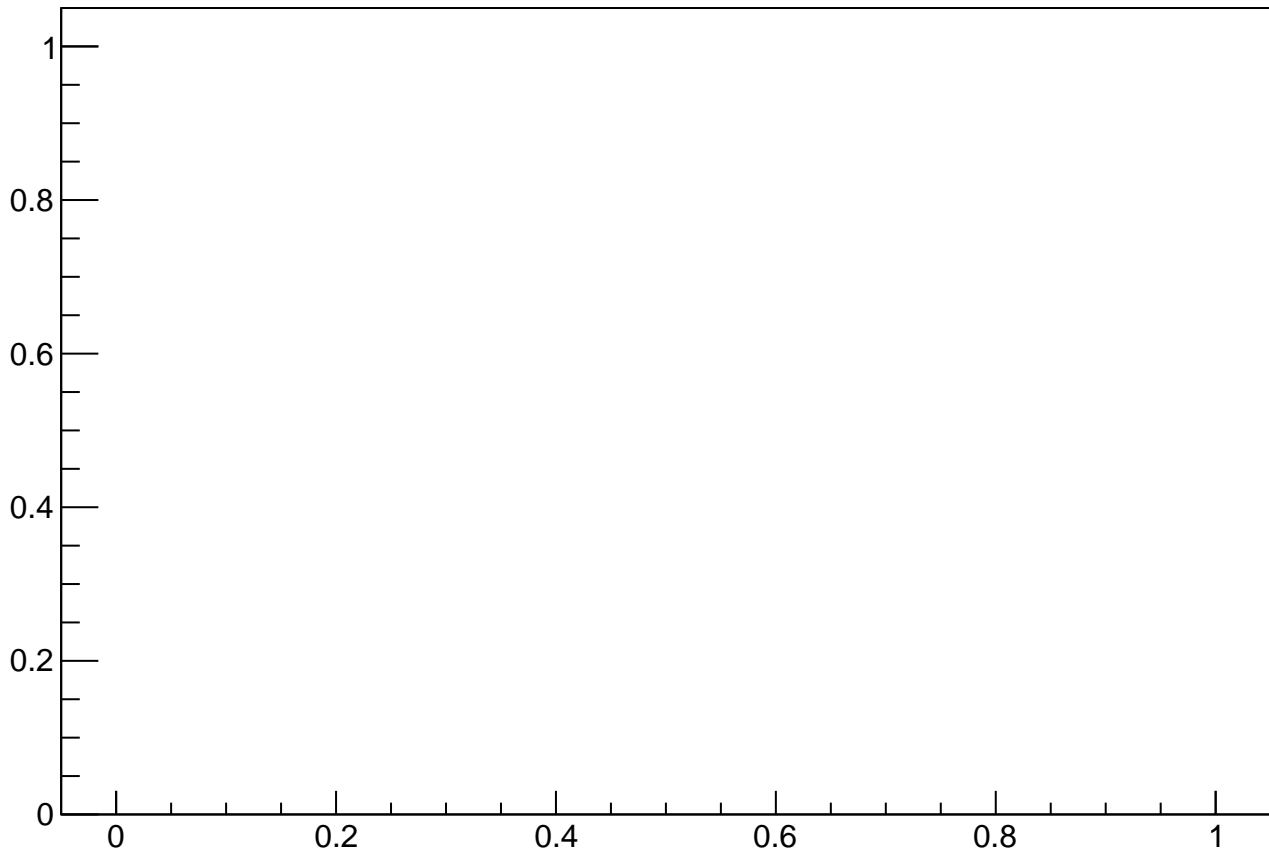
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

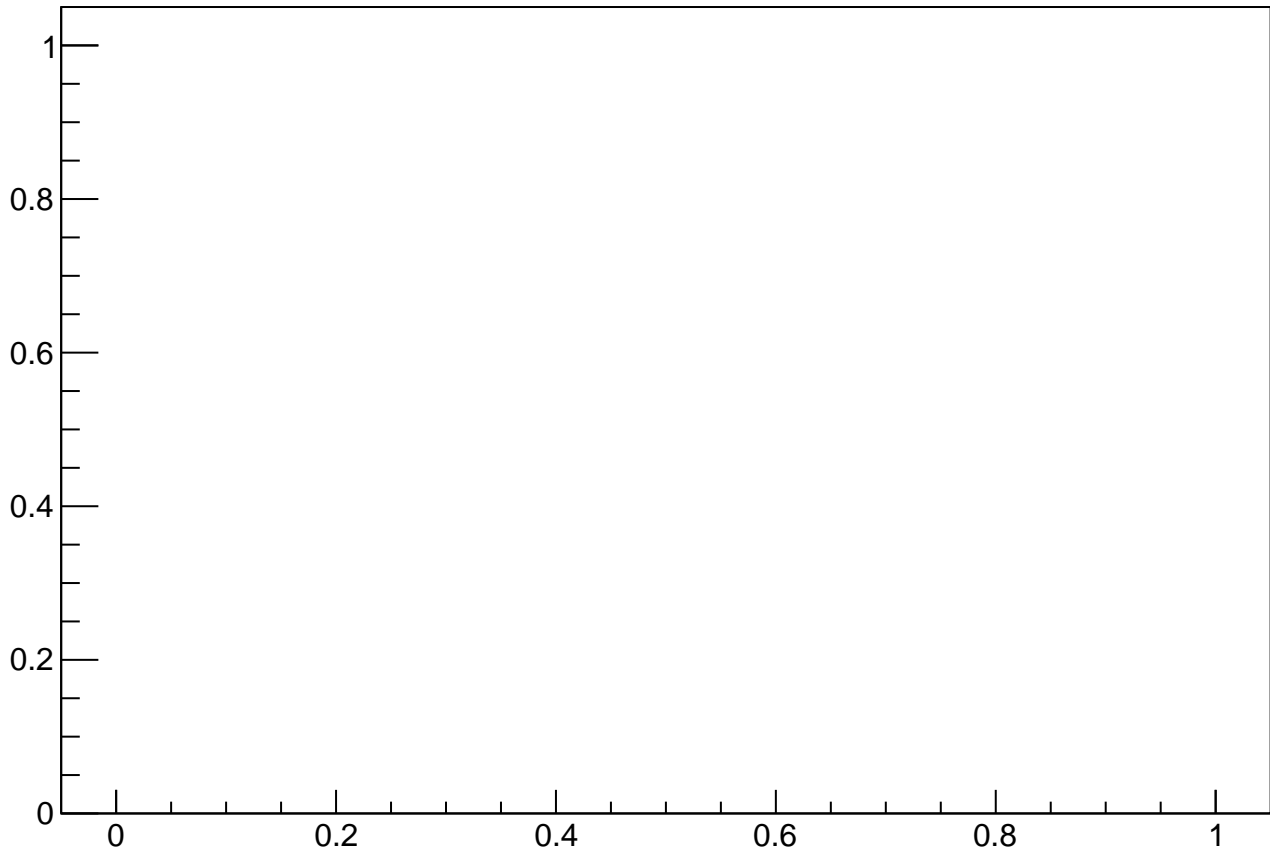
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4aX\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

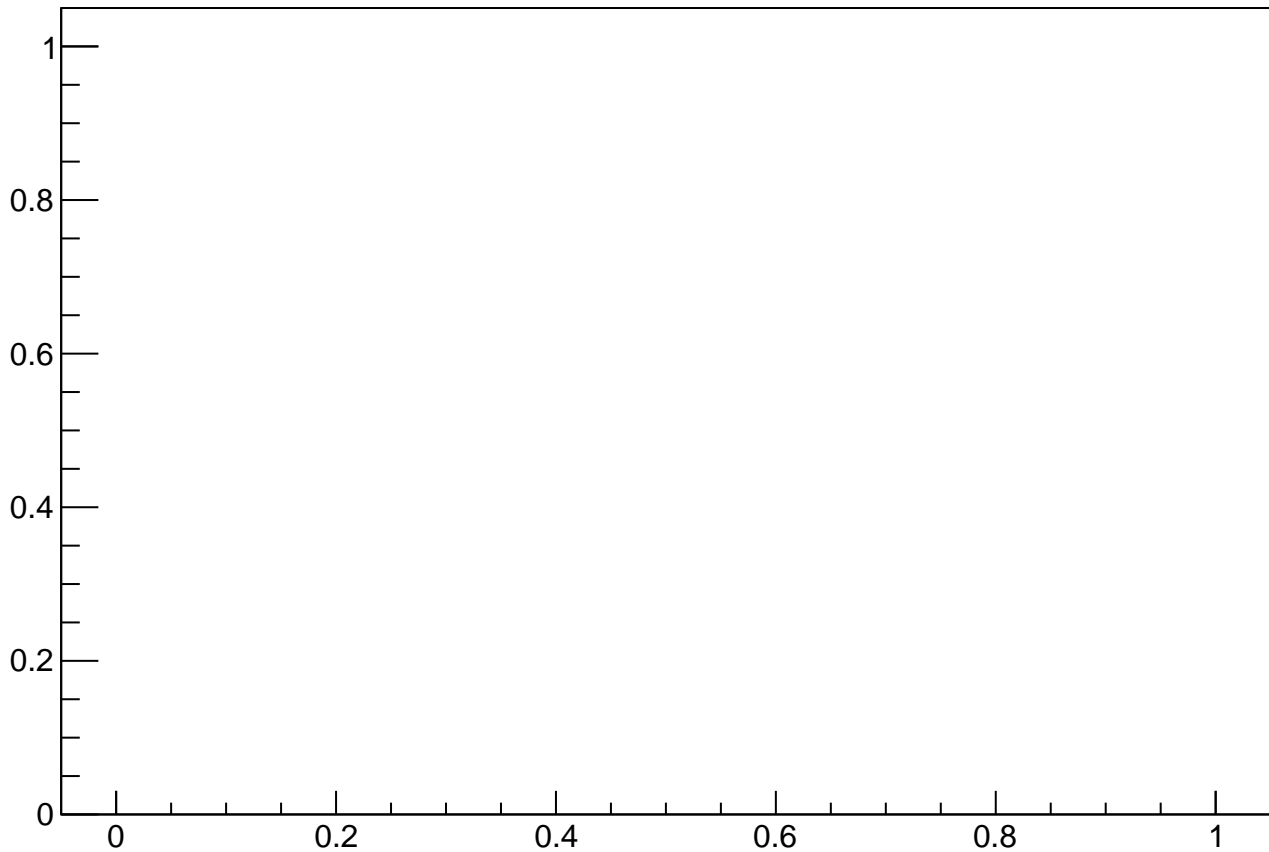
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

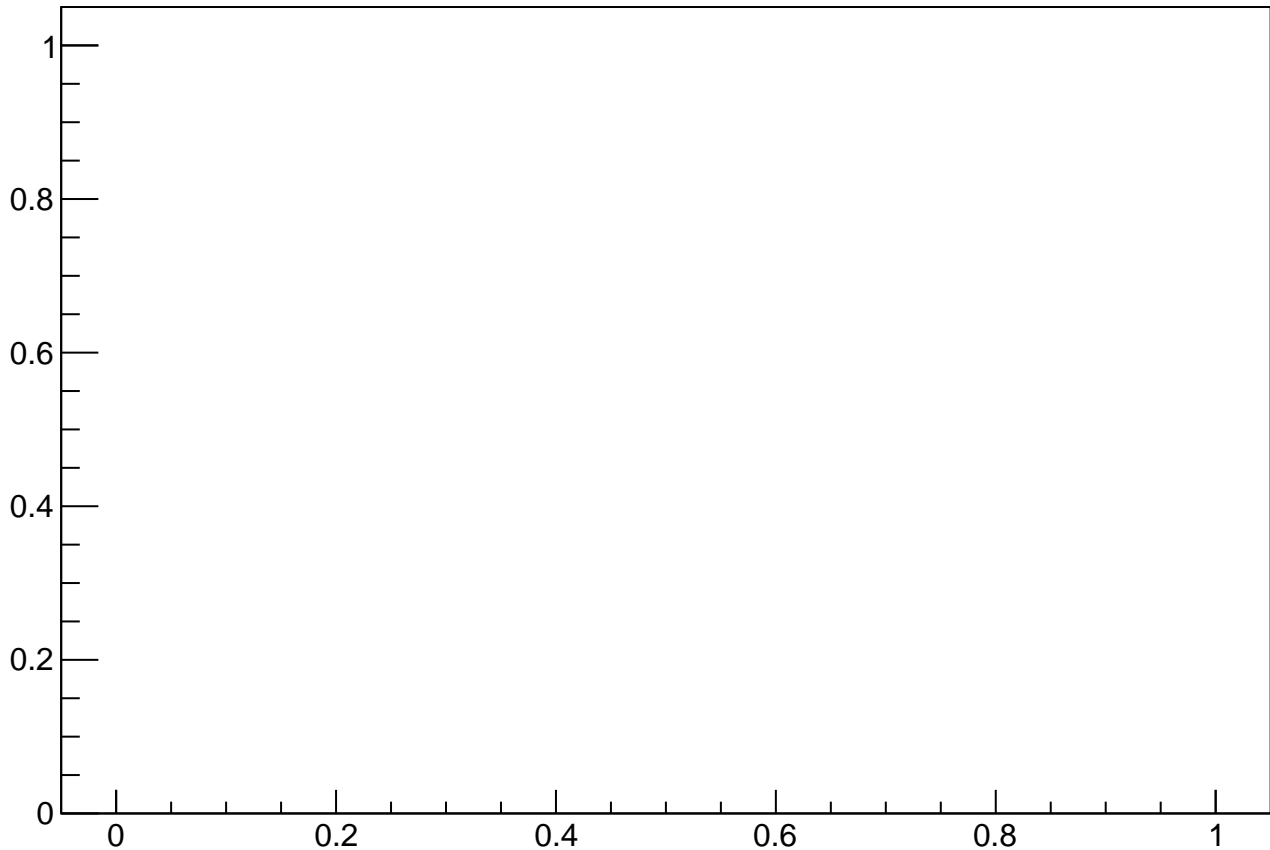
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eX\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eX\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

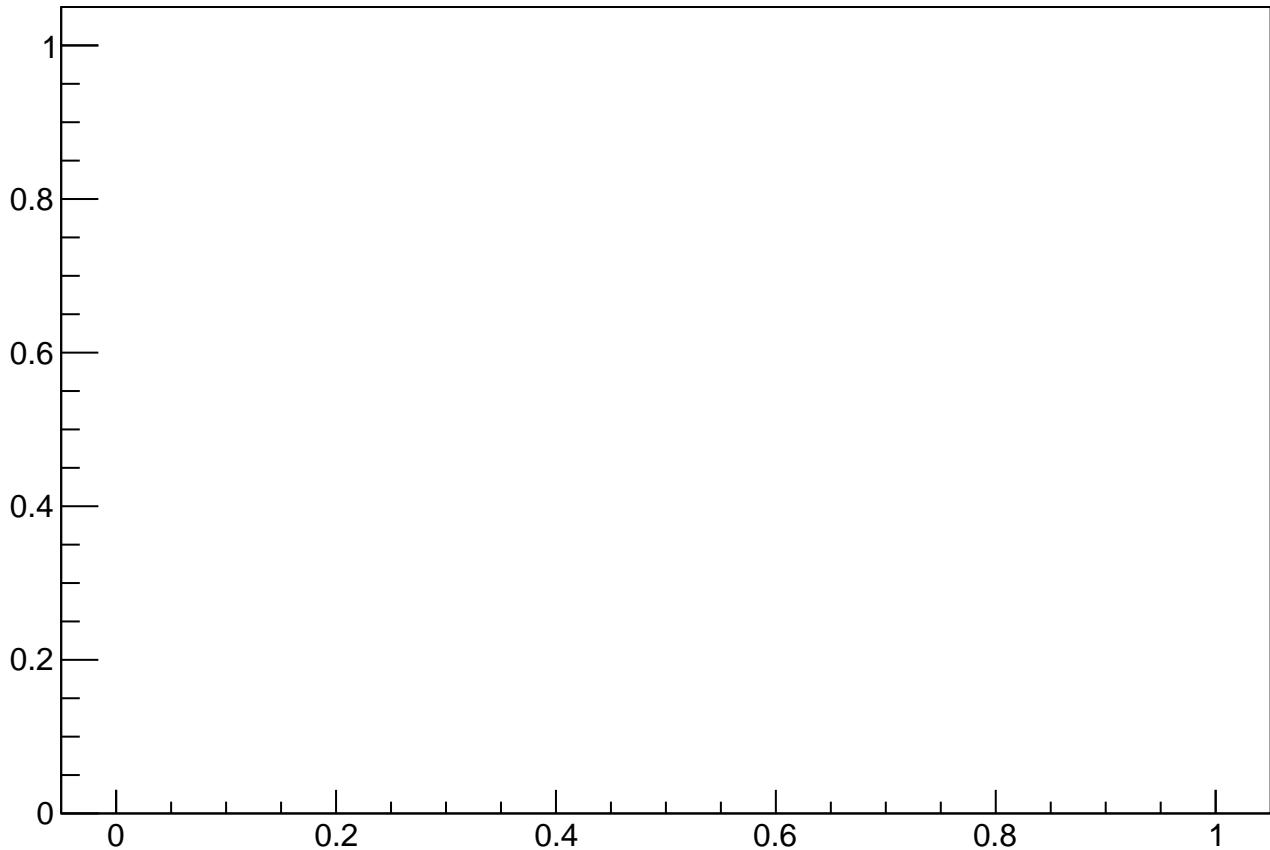
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_11X12X\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_11X12X\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

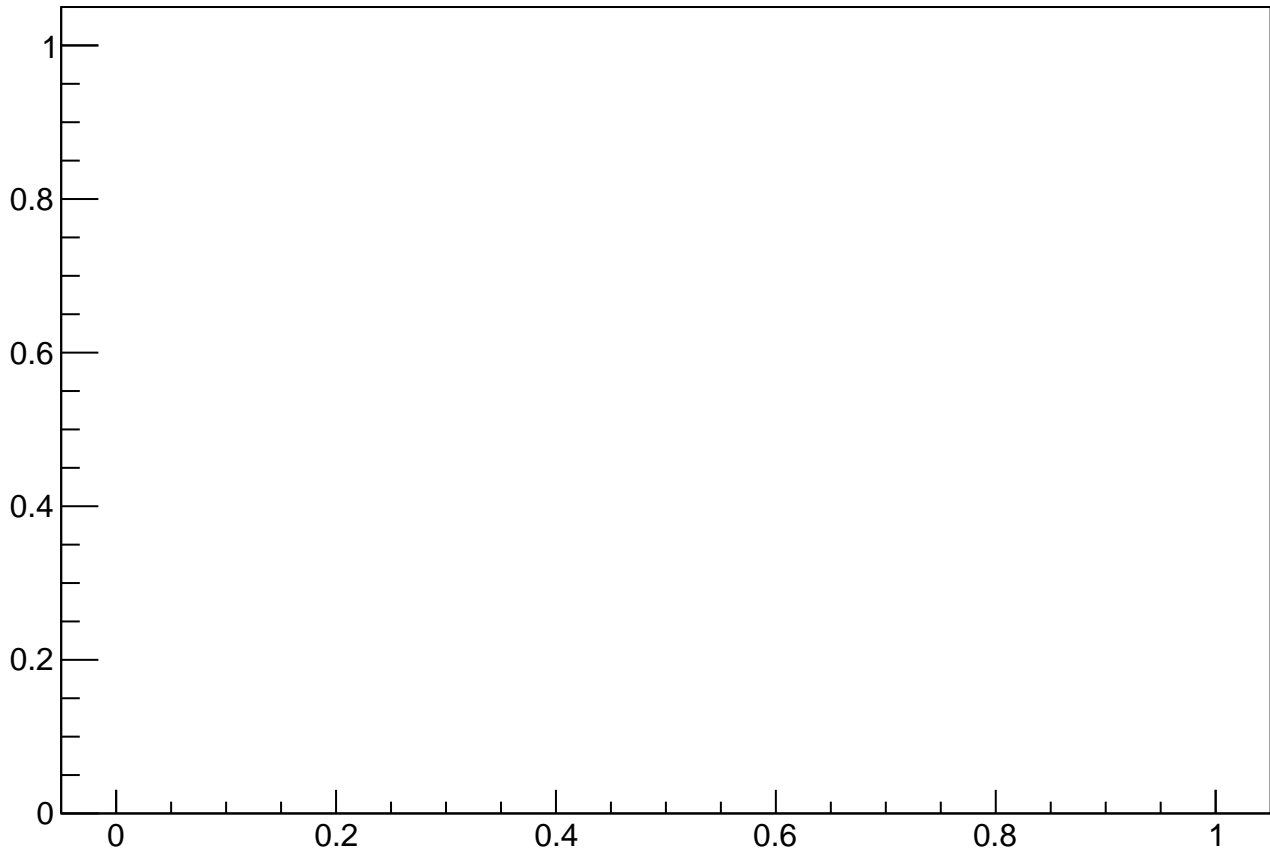
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_11X12X\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

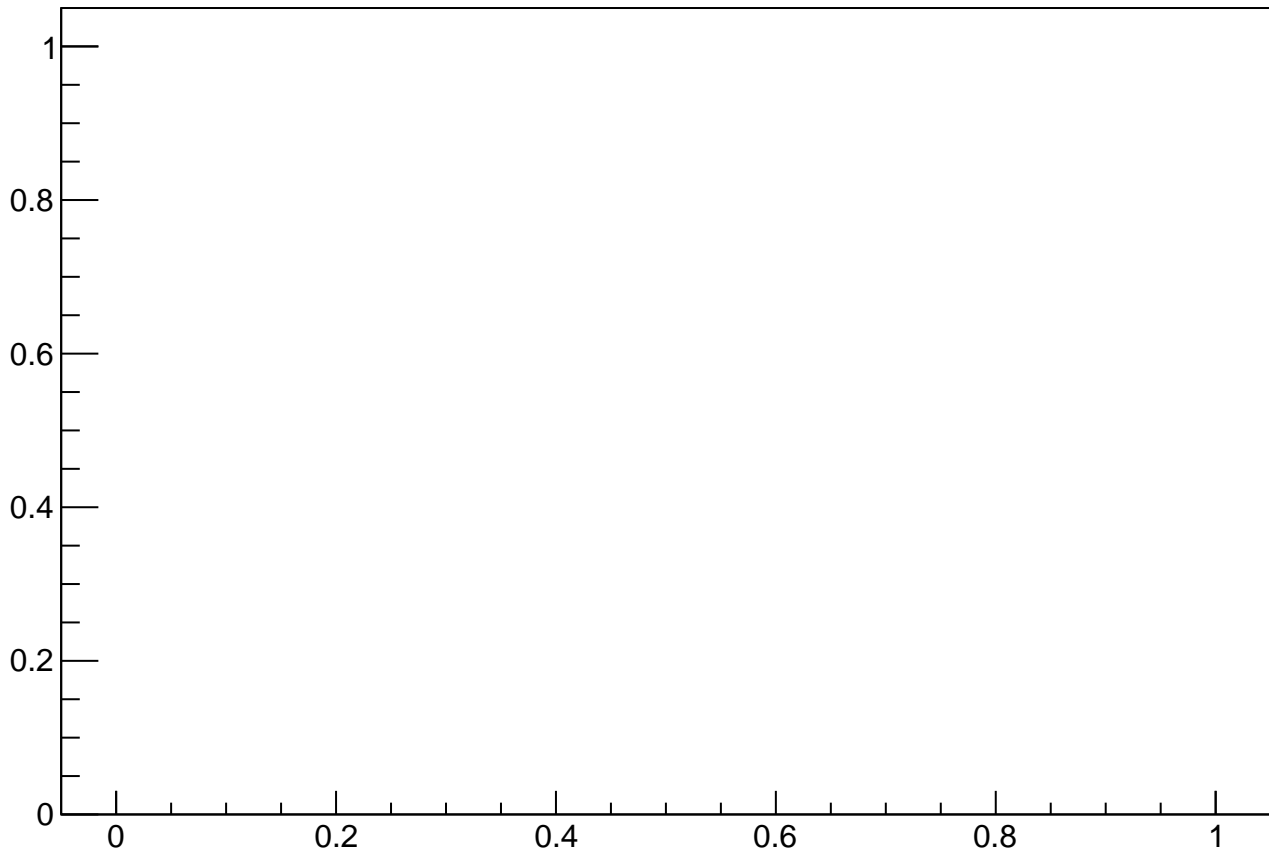
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

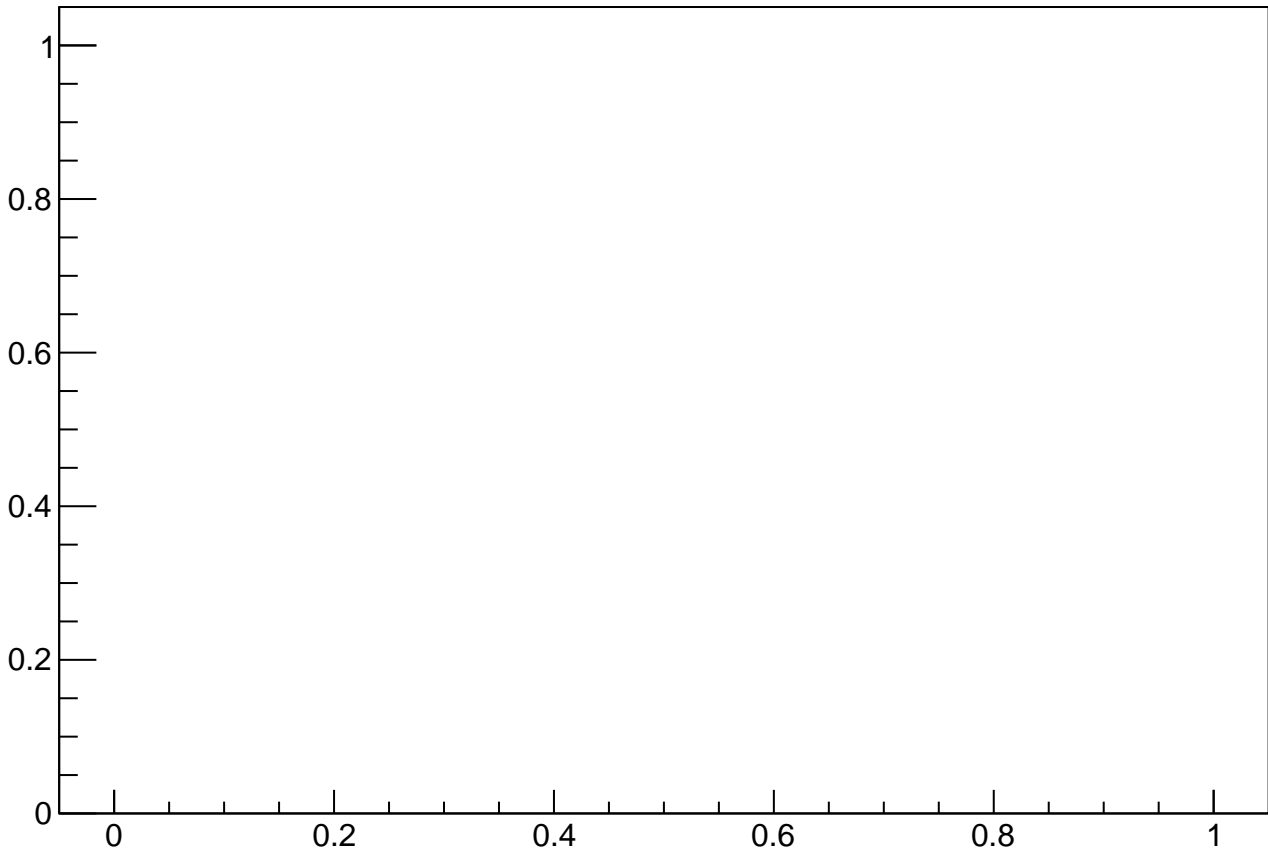
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

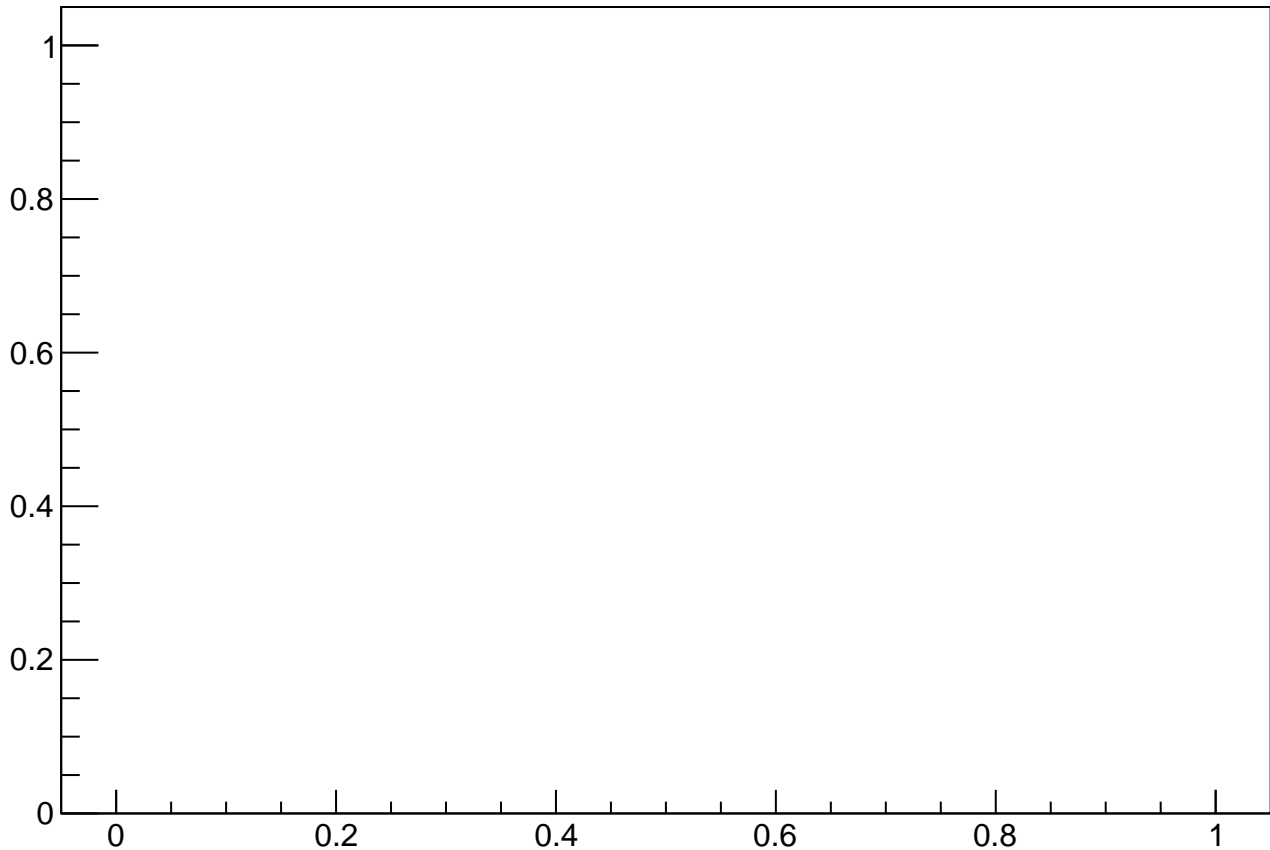
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4aY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

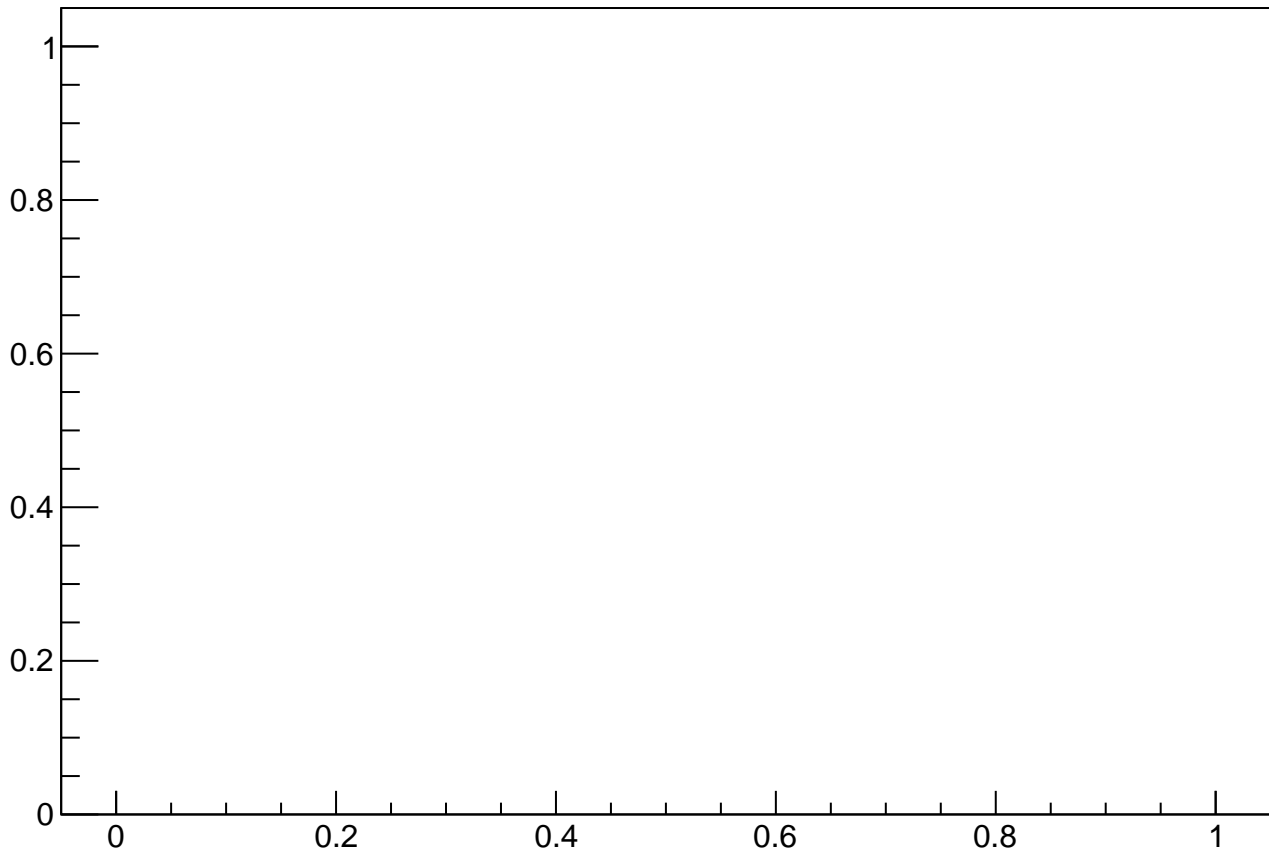
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_4eY\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

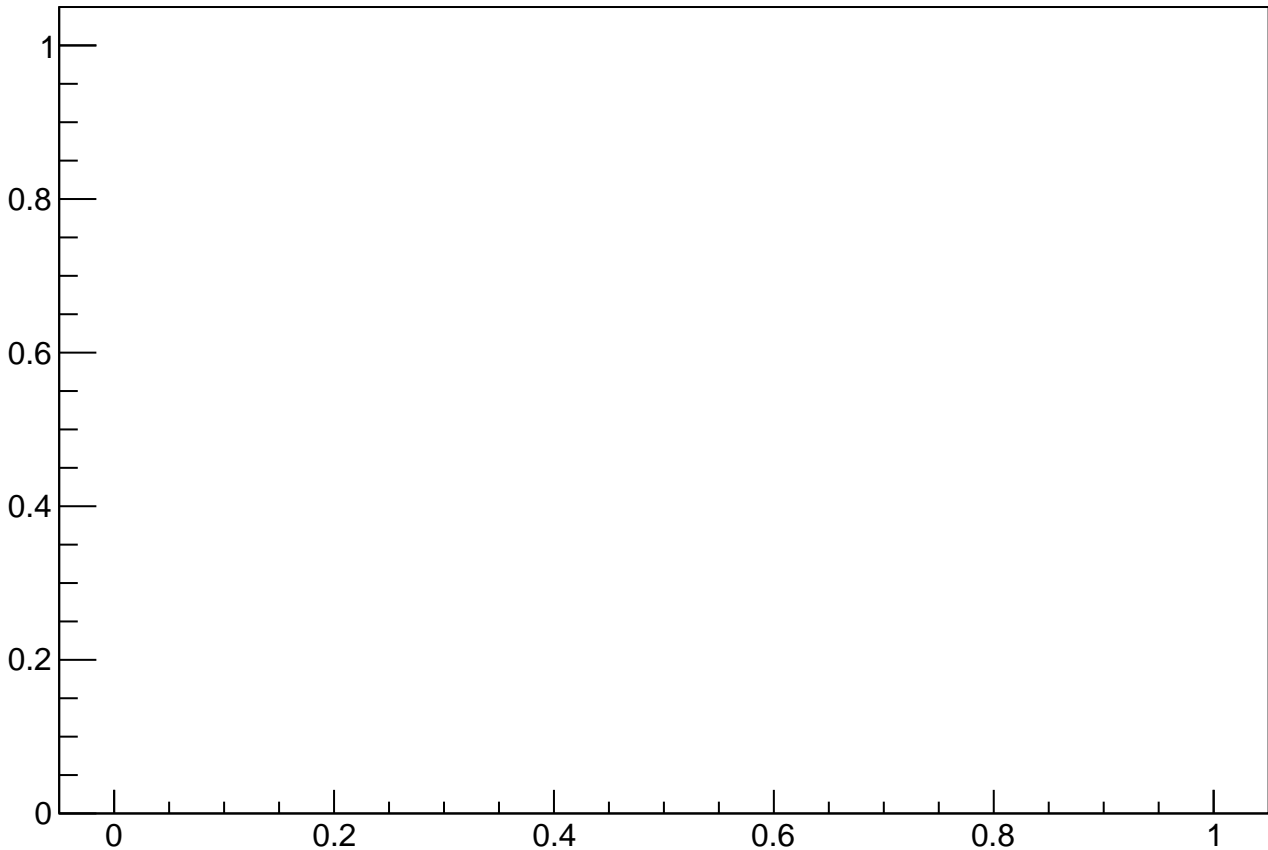
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_4eY\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

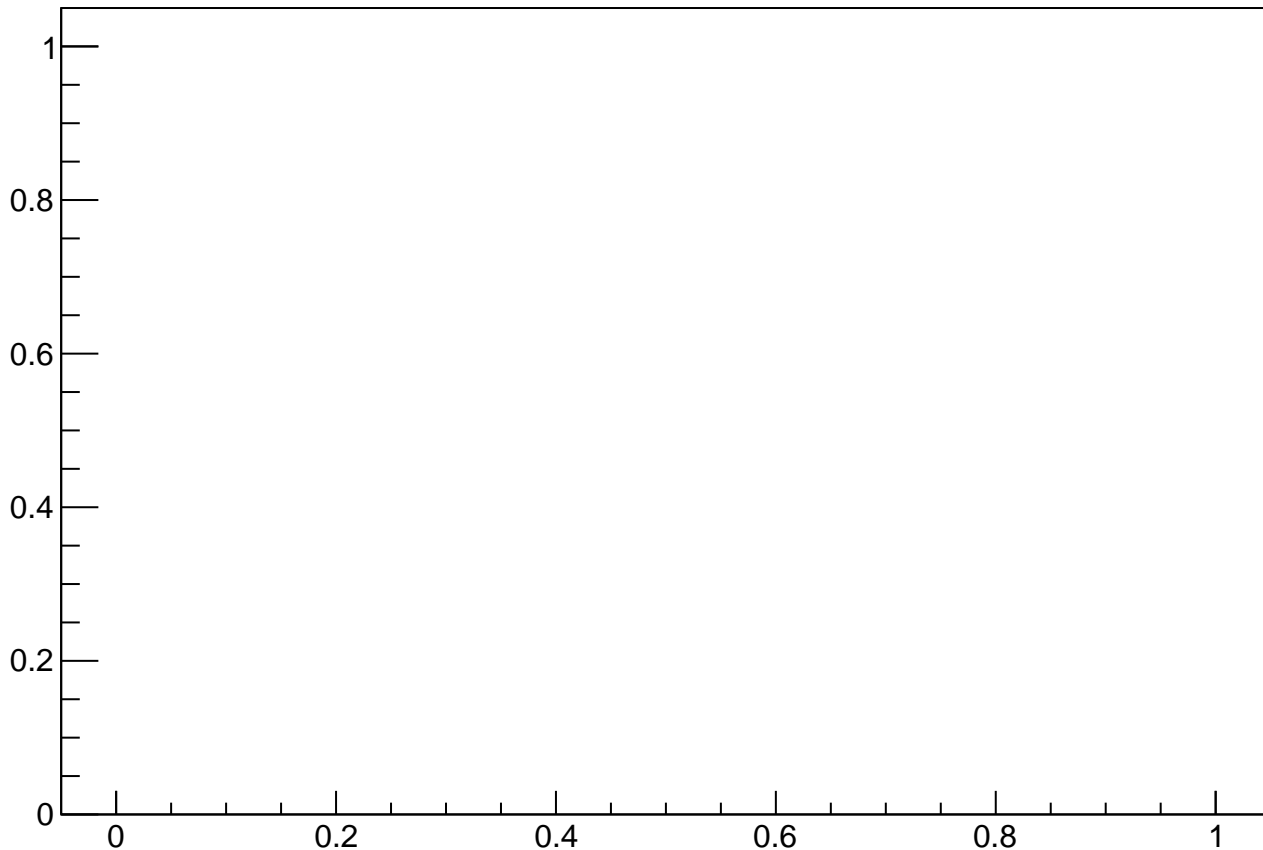
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_4eY\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

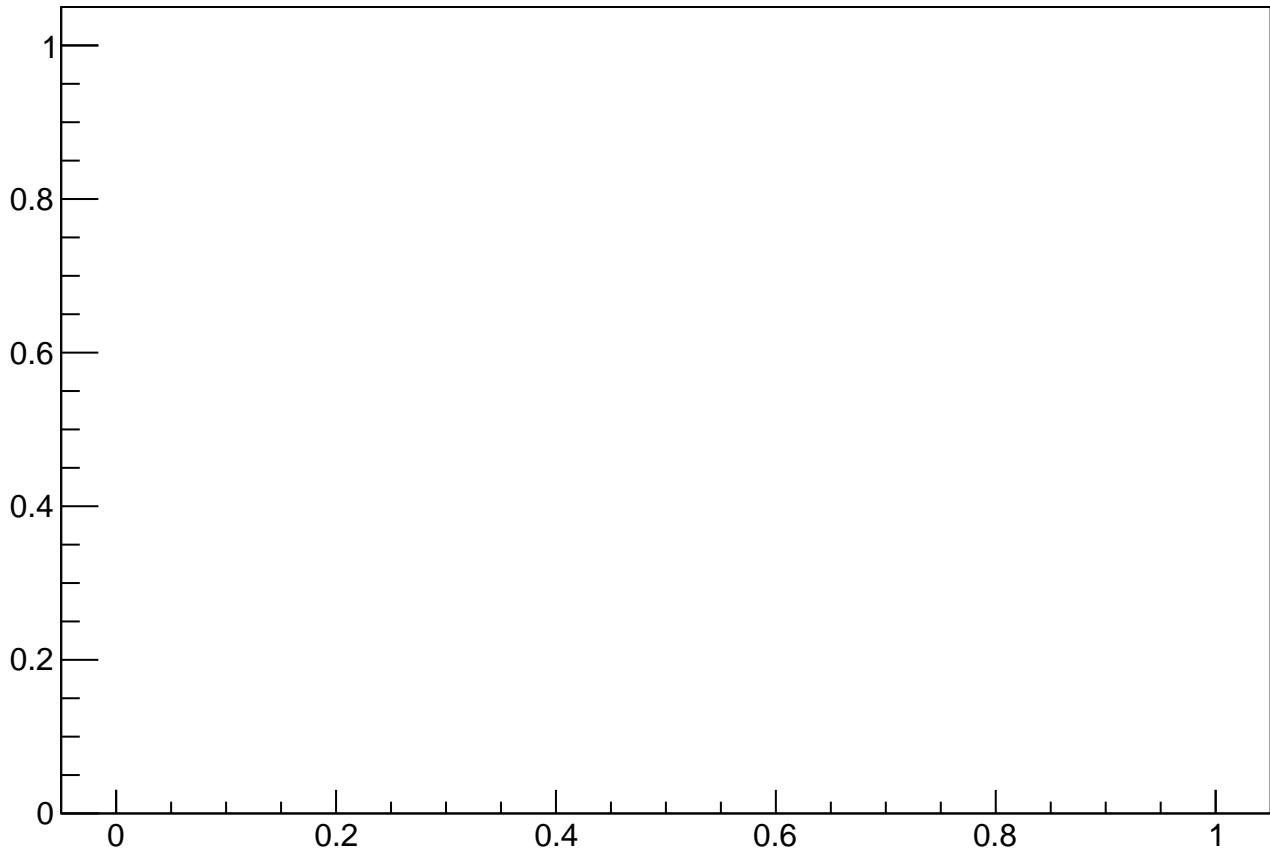
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

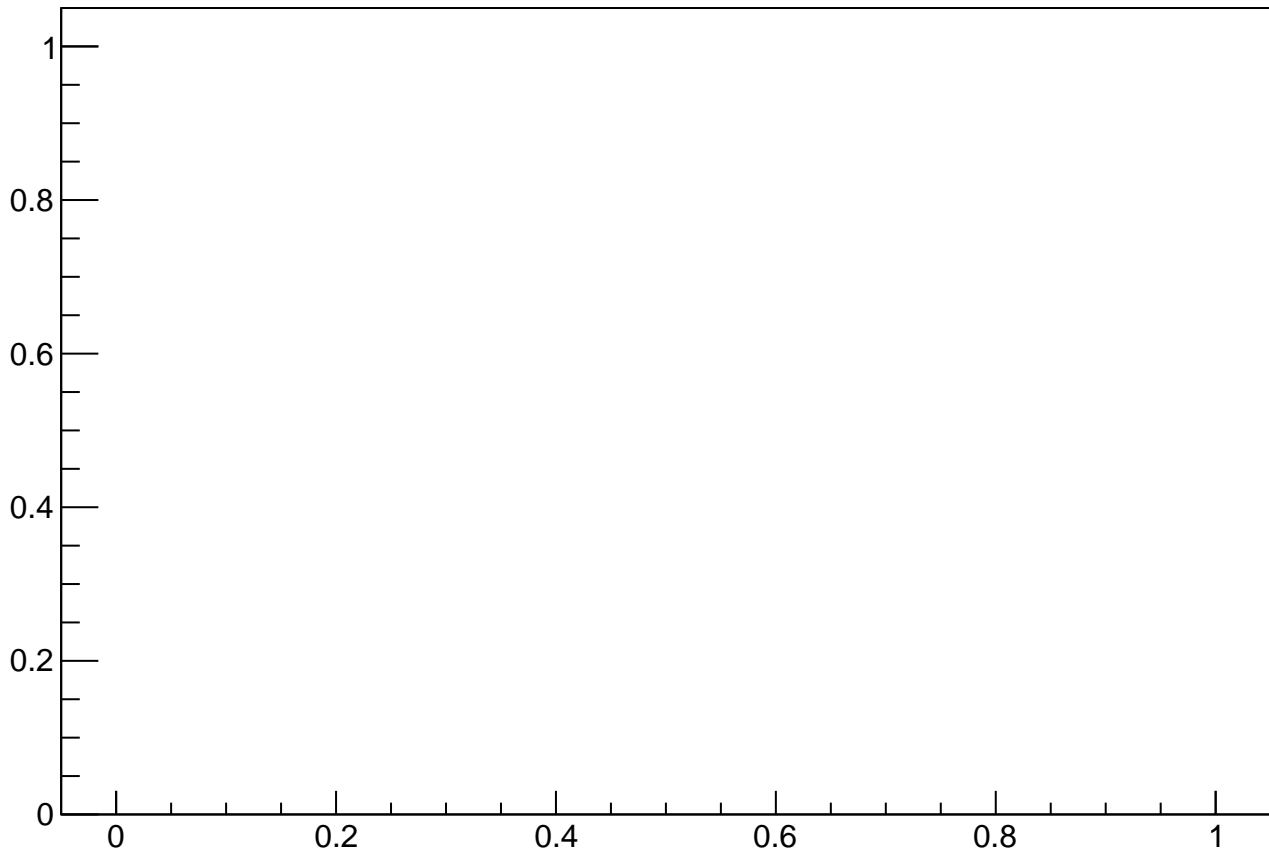
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

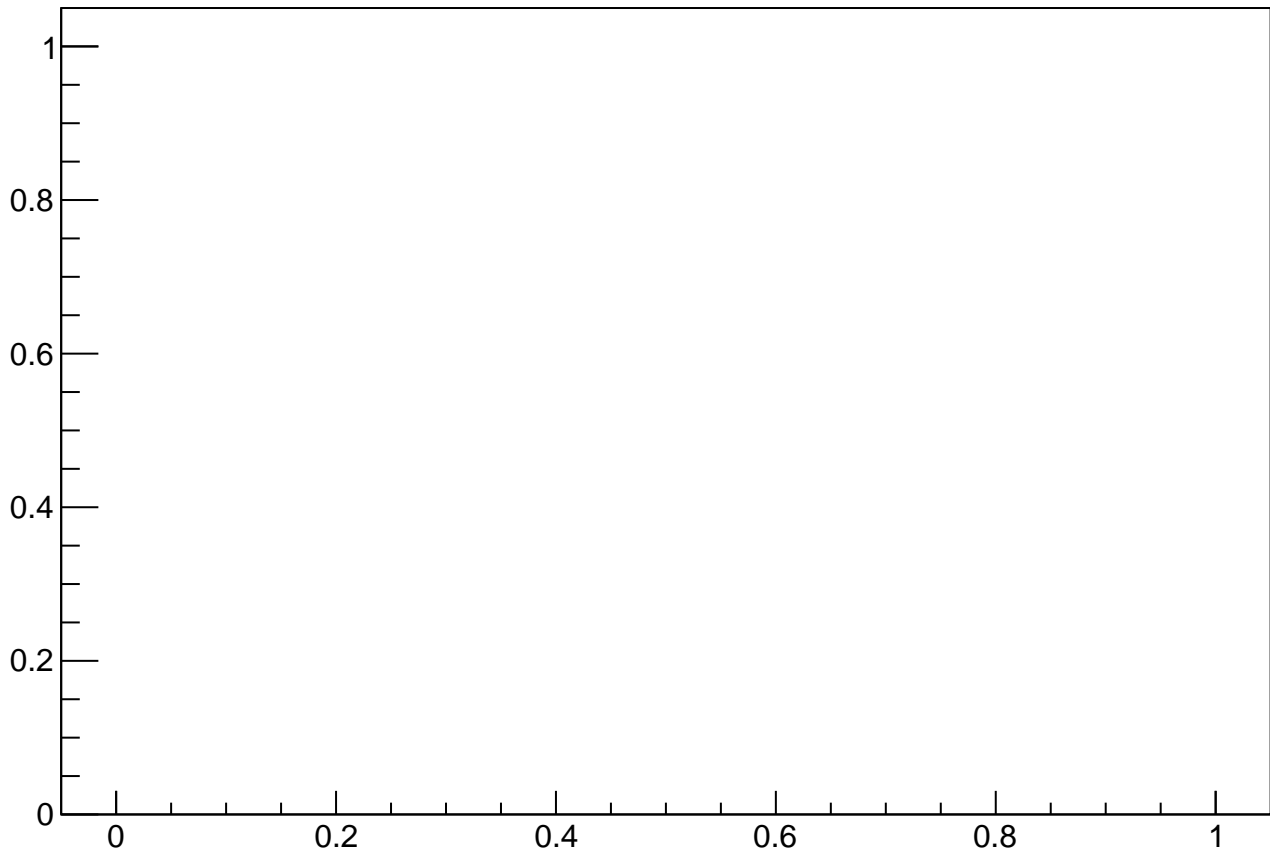
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usl\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_usr\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

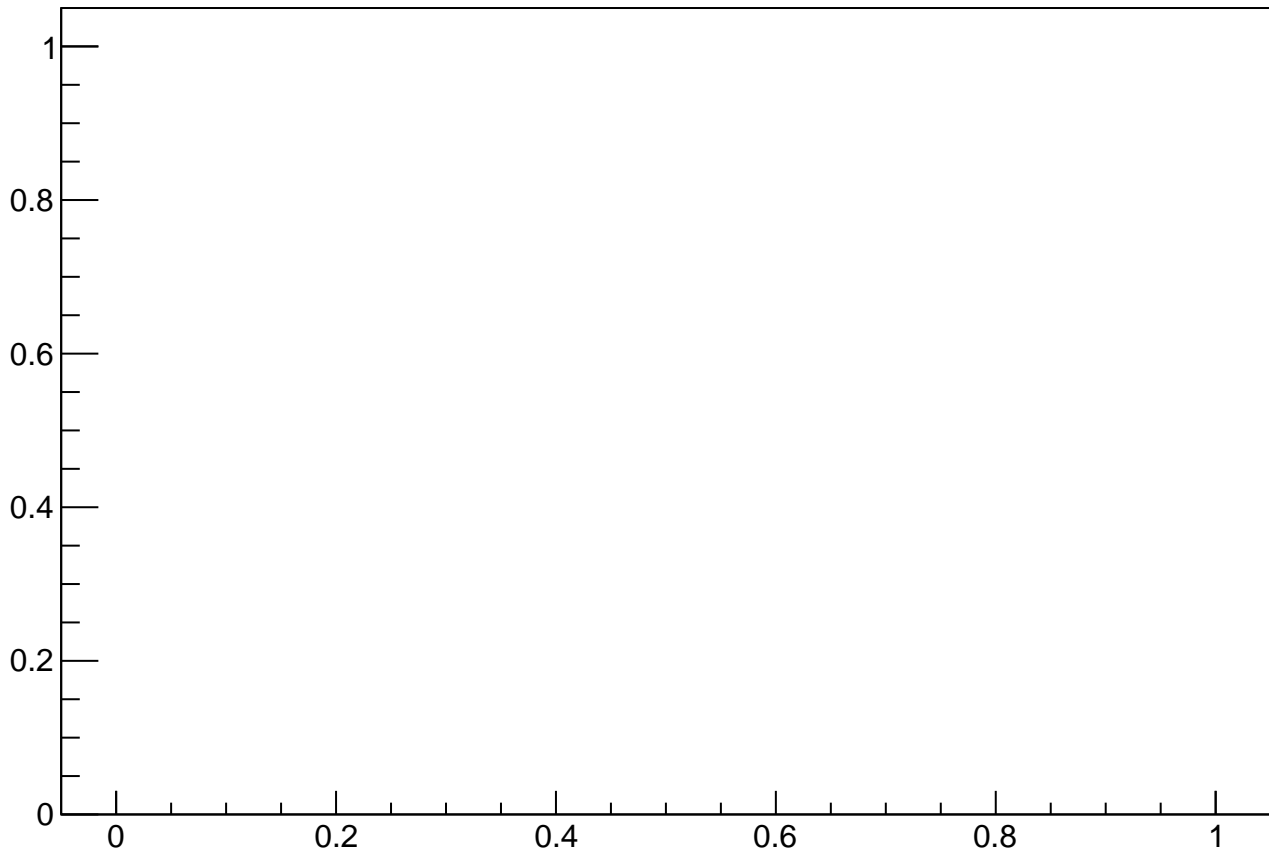
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

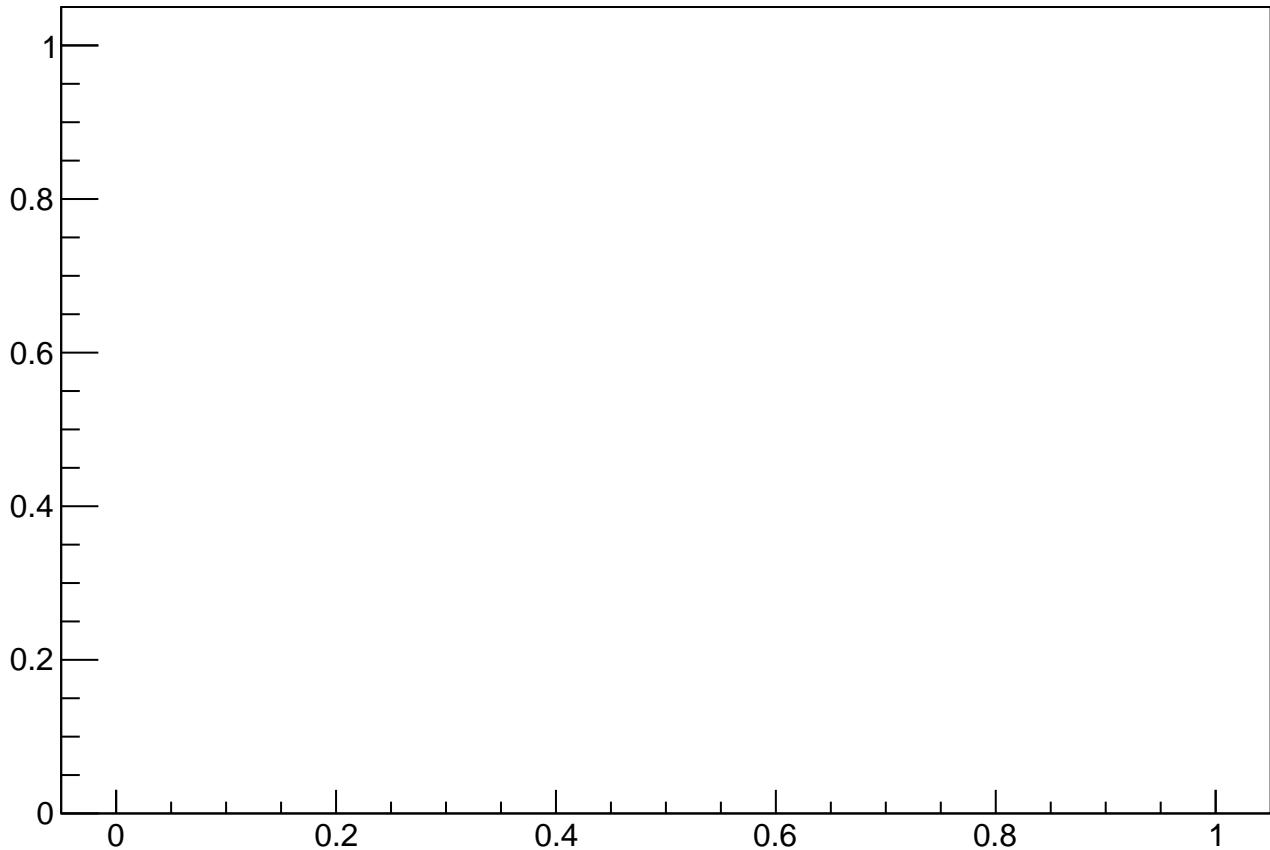
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atl1\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

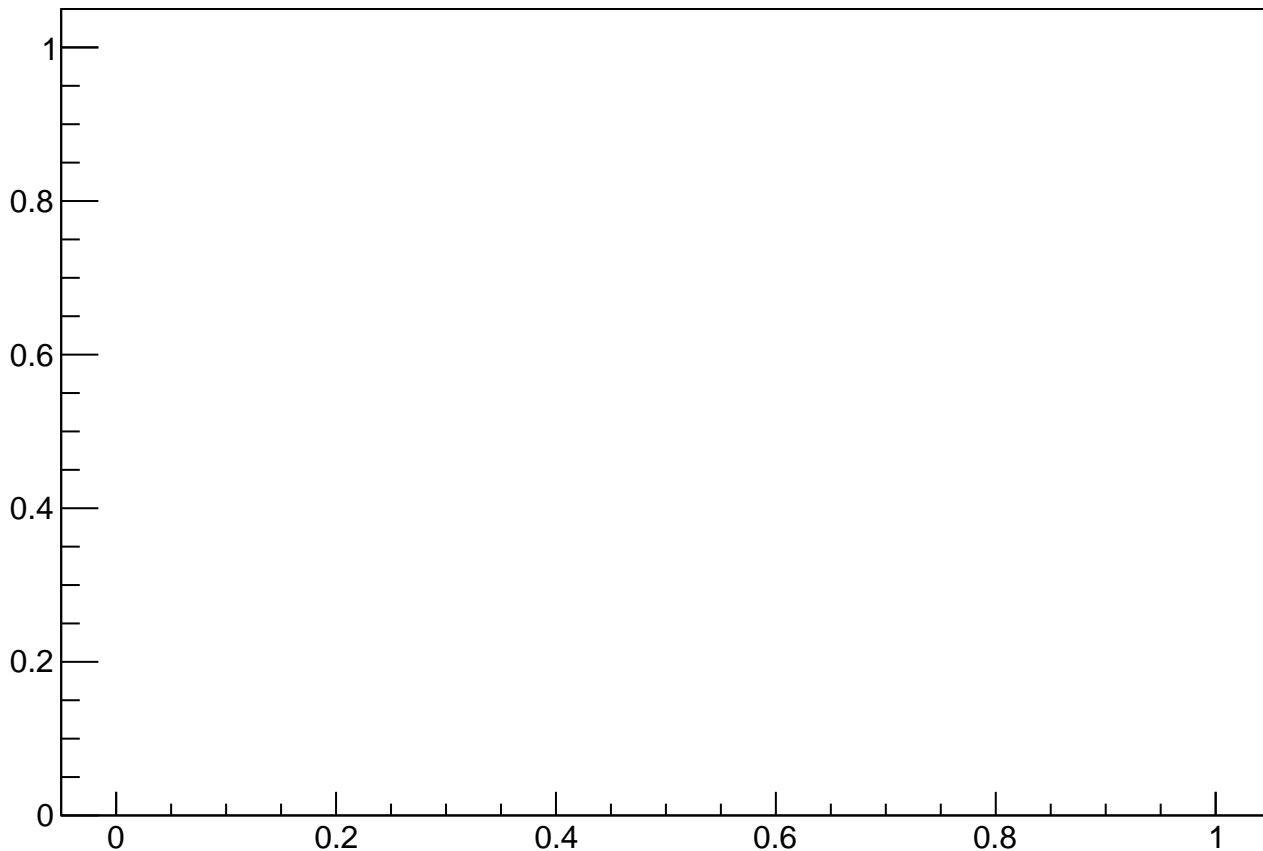
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

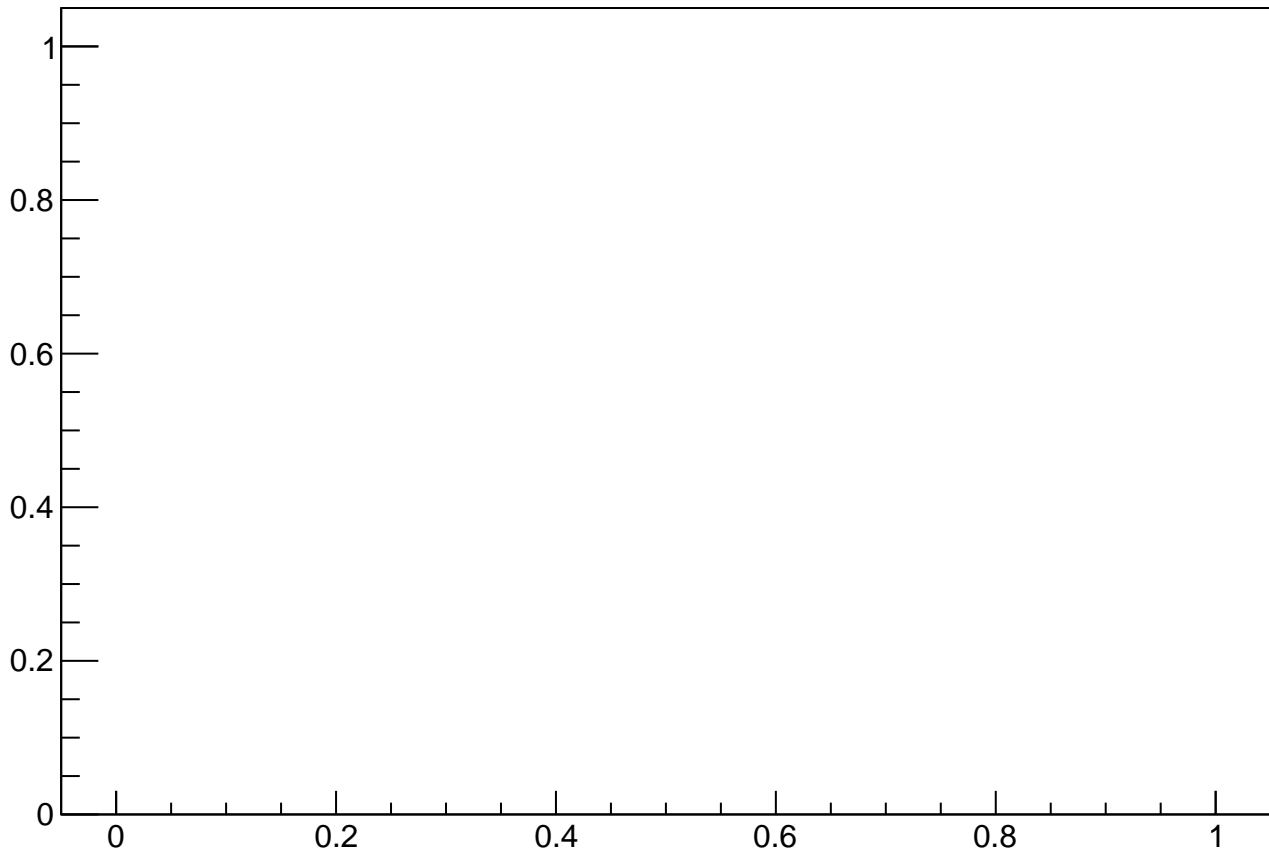
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

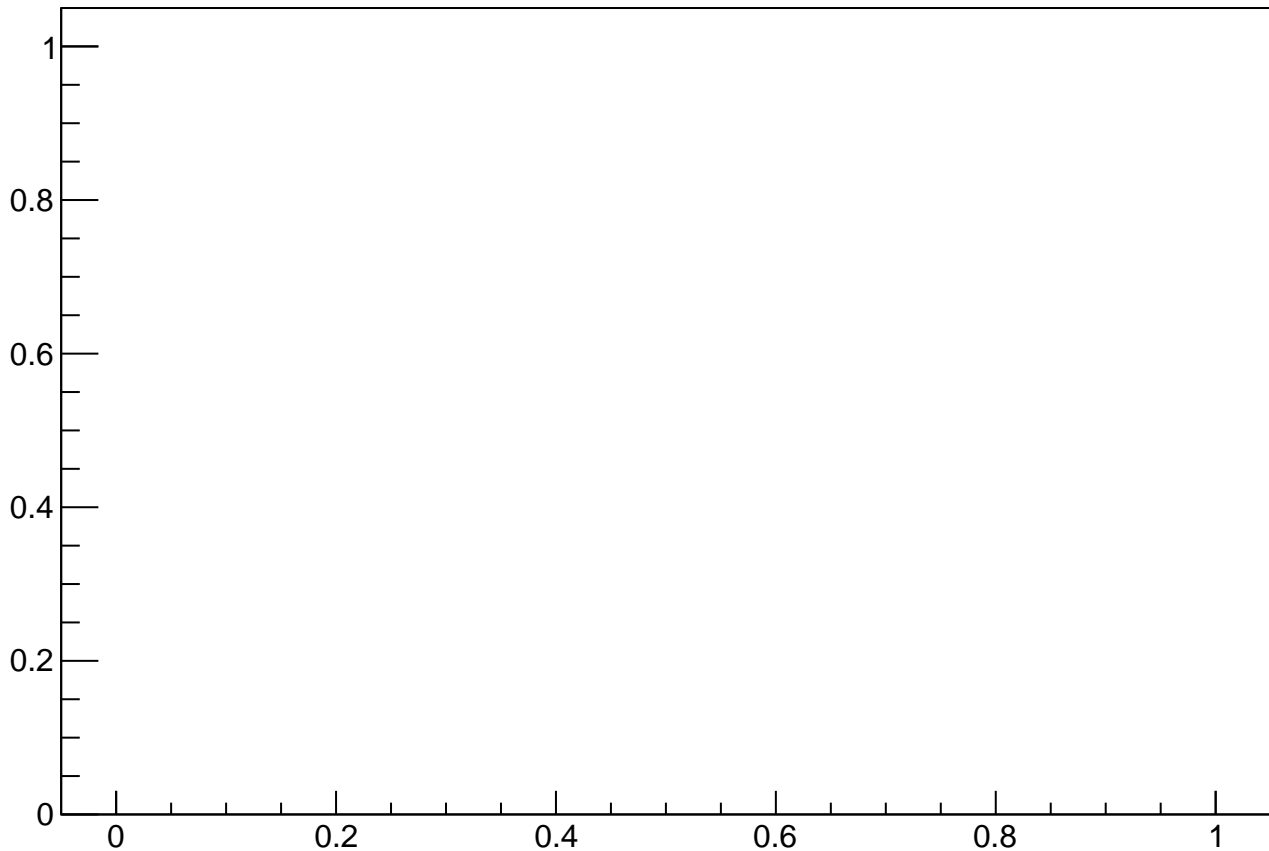
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atl2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

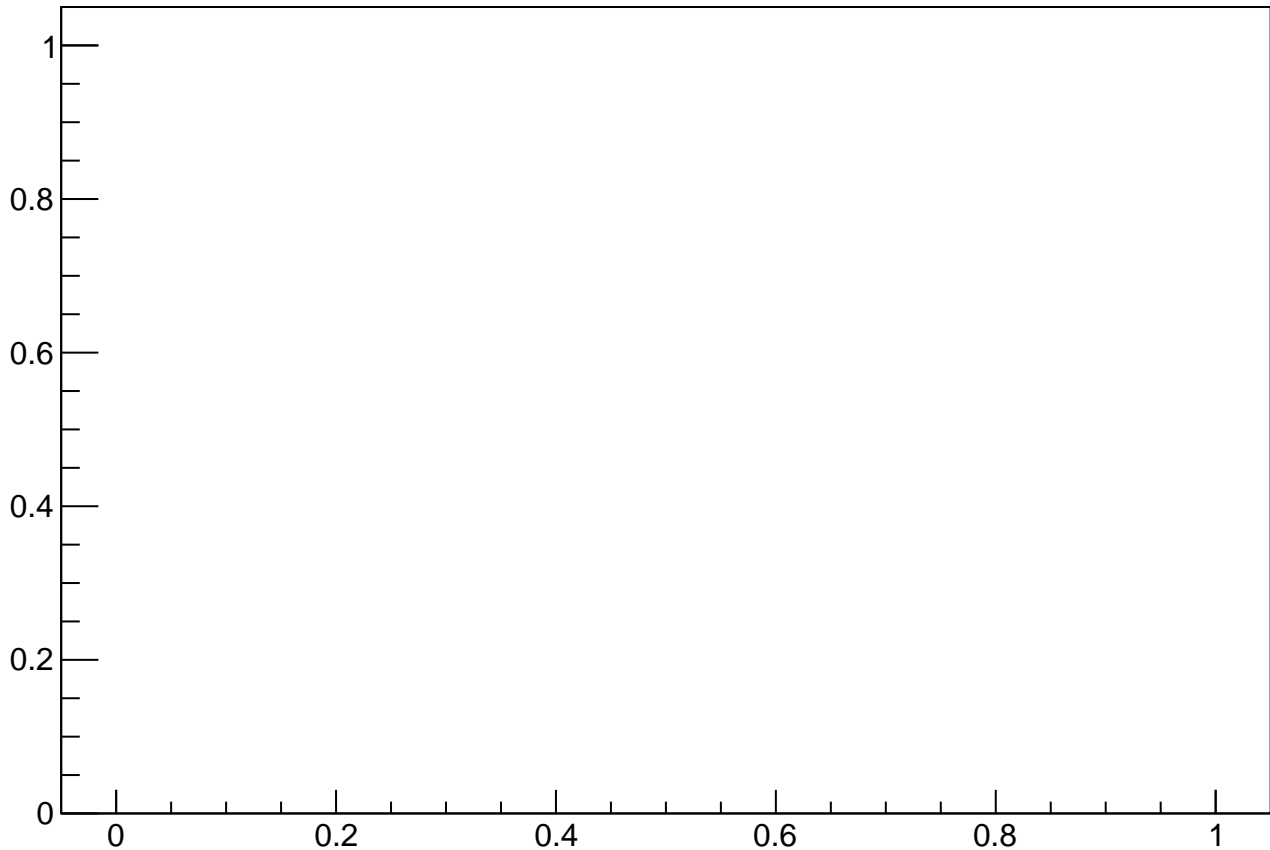
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

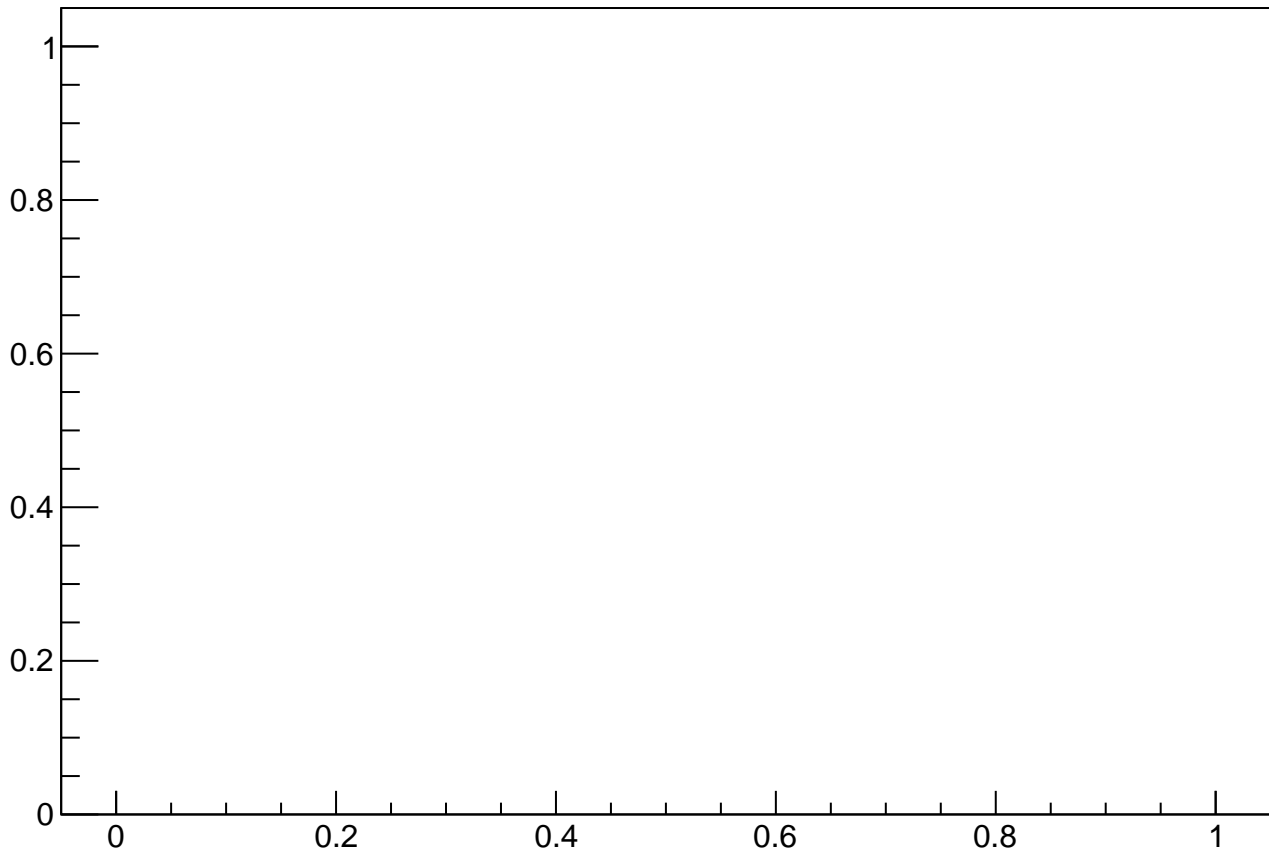
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

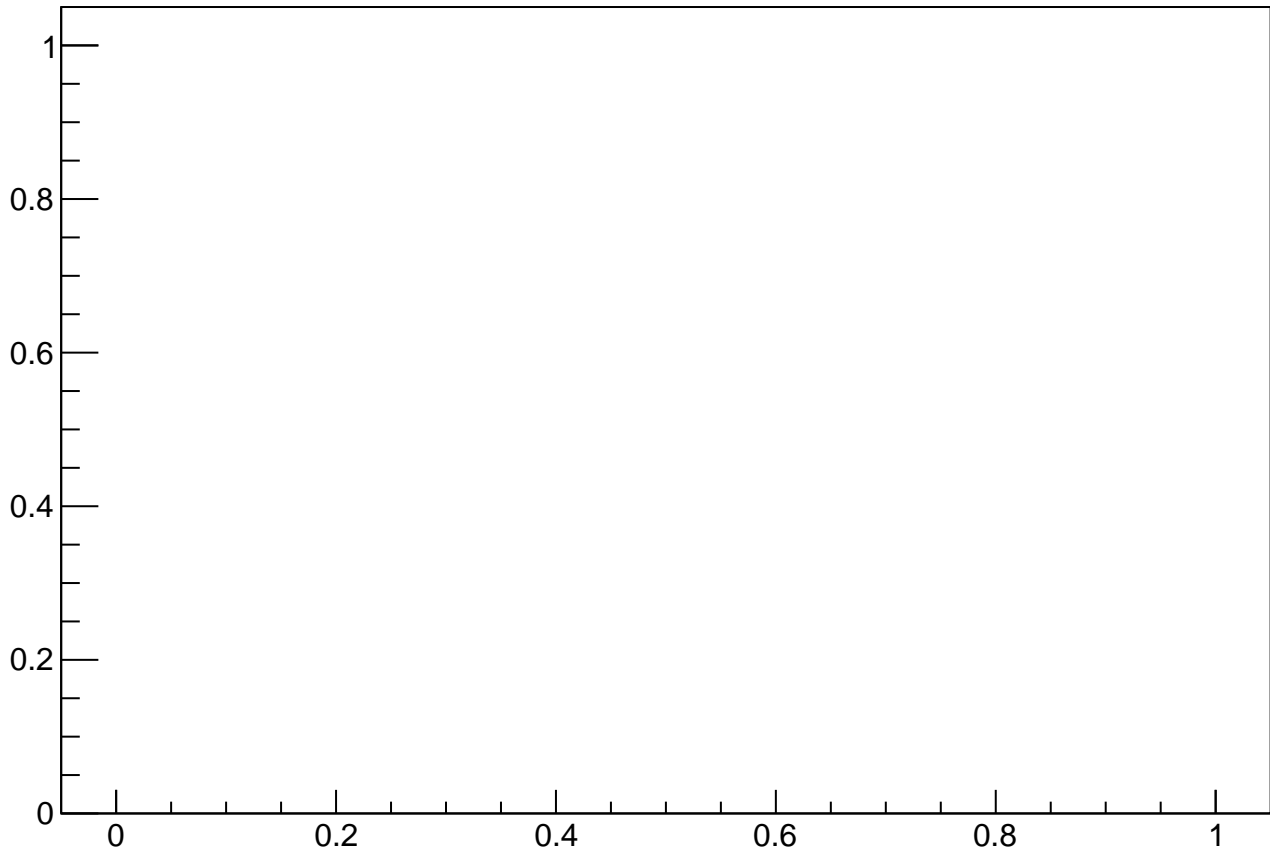
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

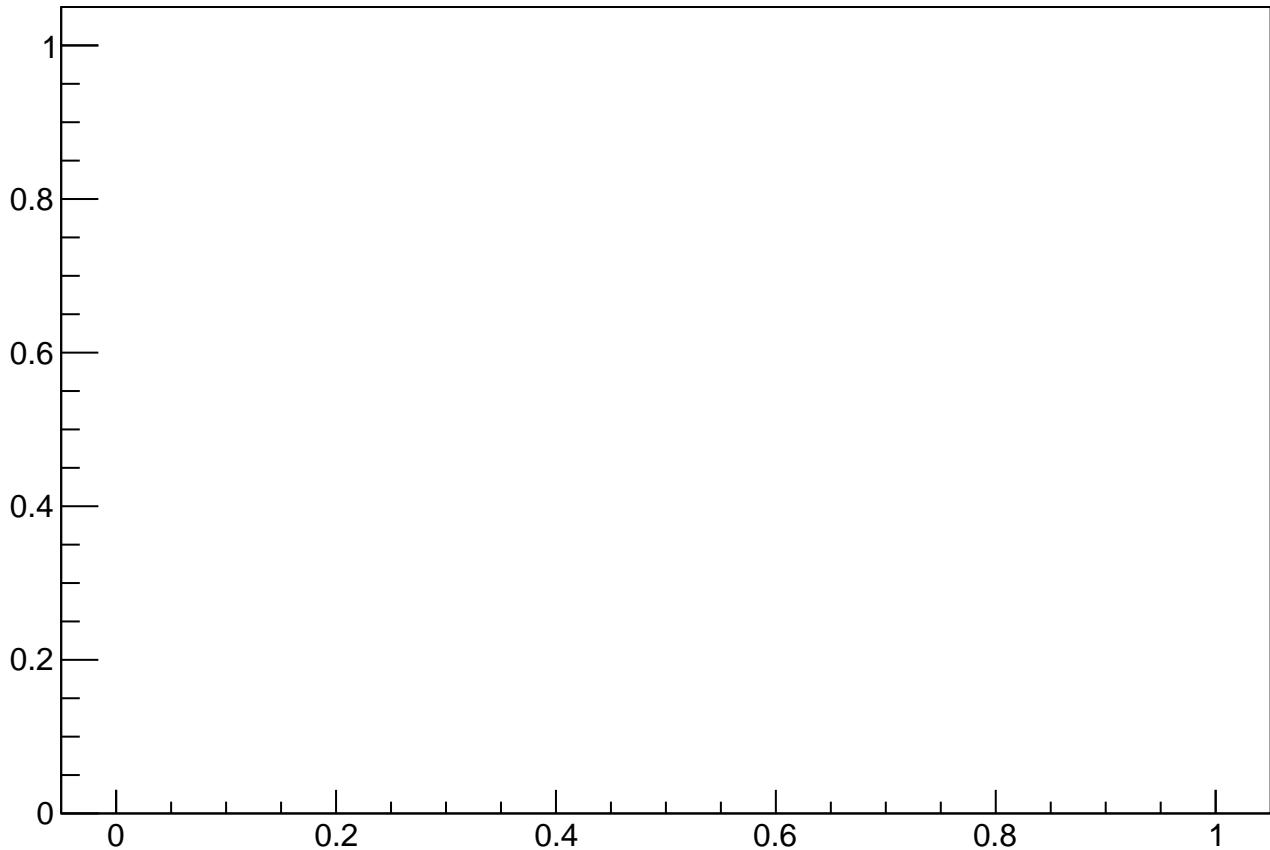
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_atr2\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

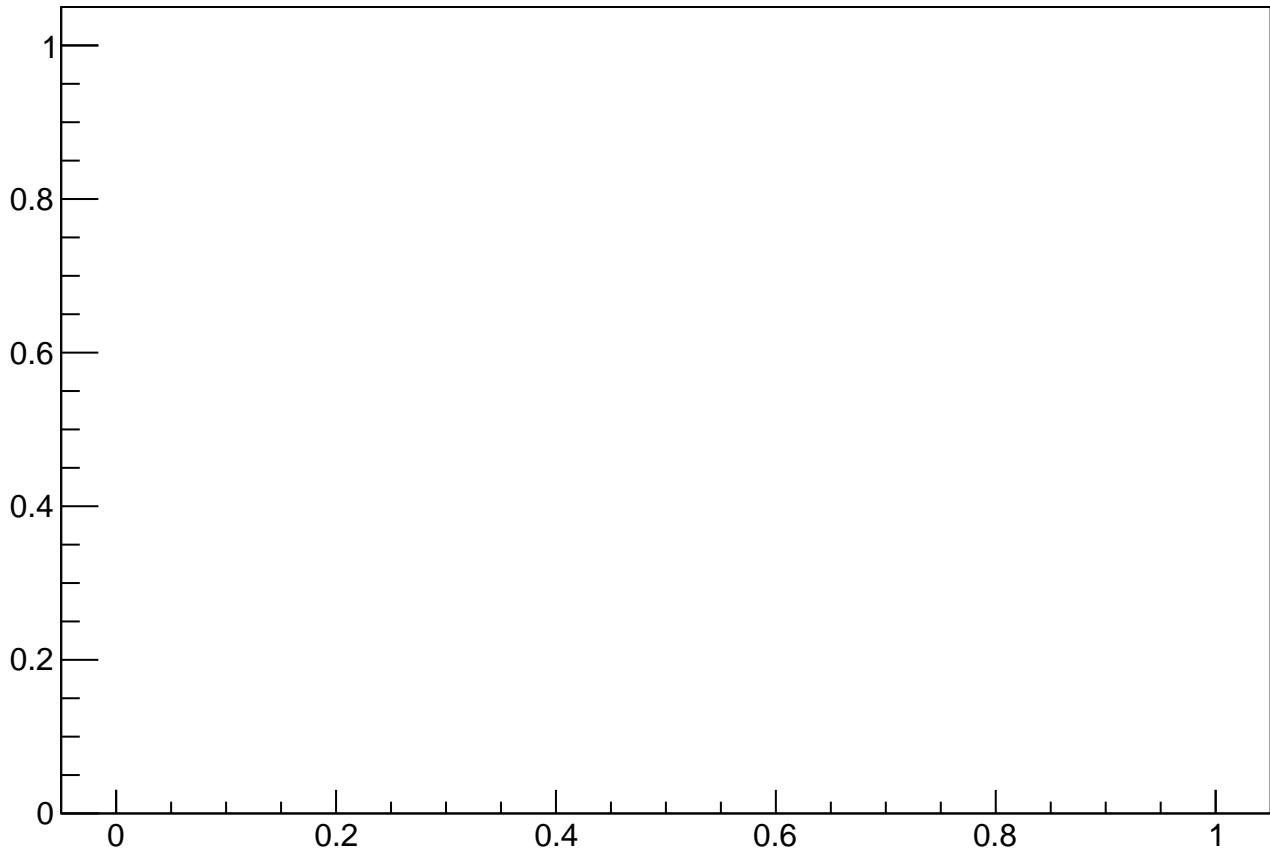
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_atr2\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_atr2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

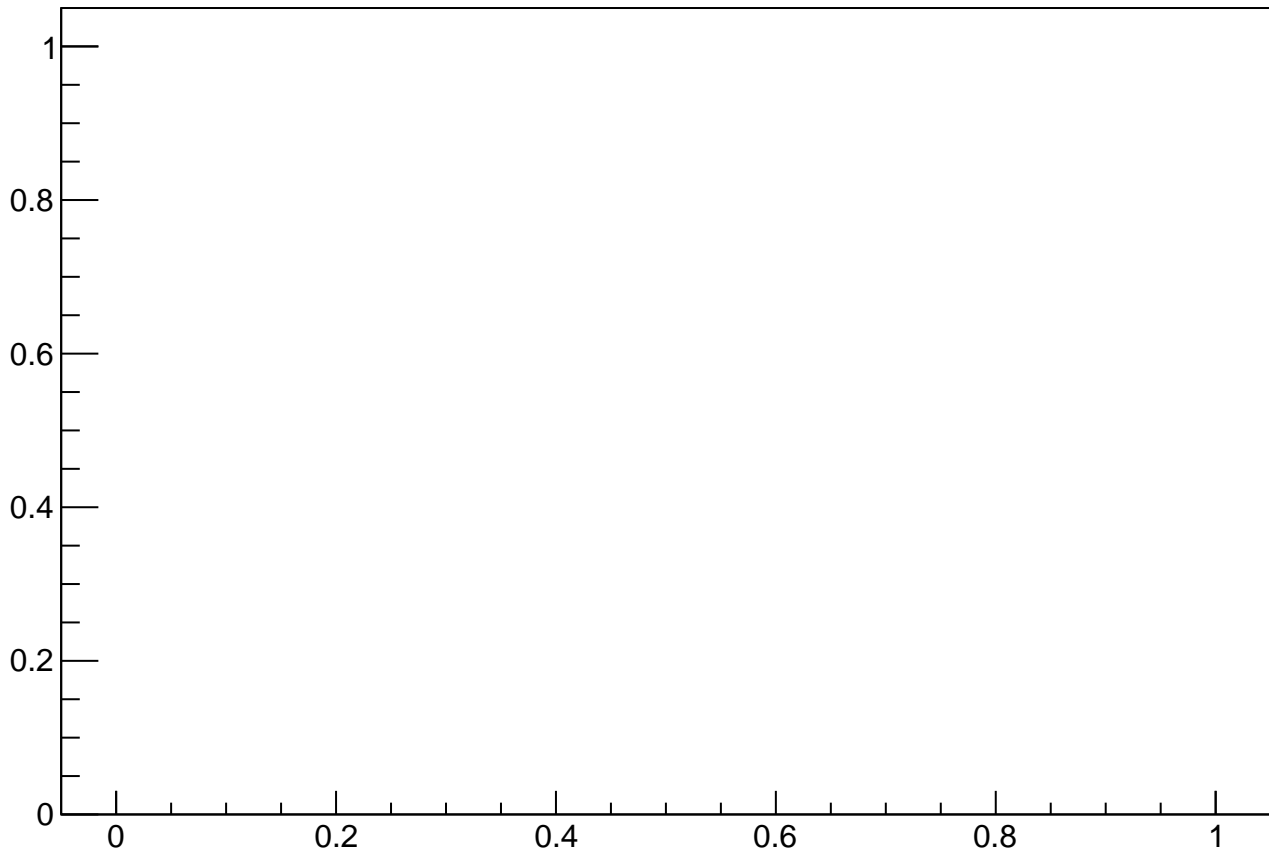
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam1\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam1\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

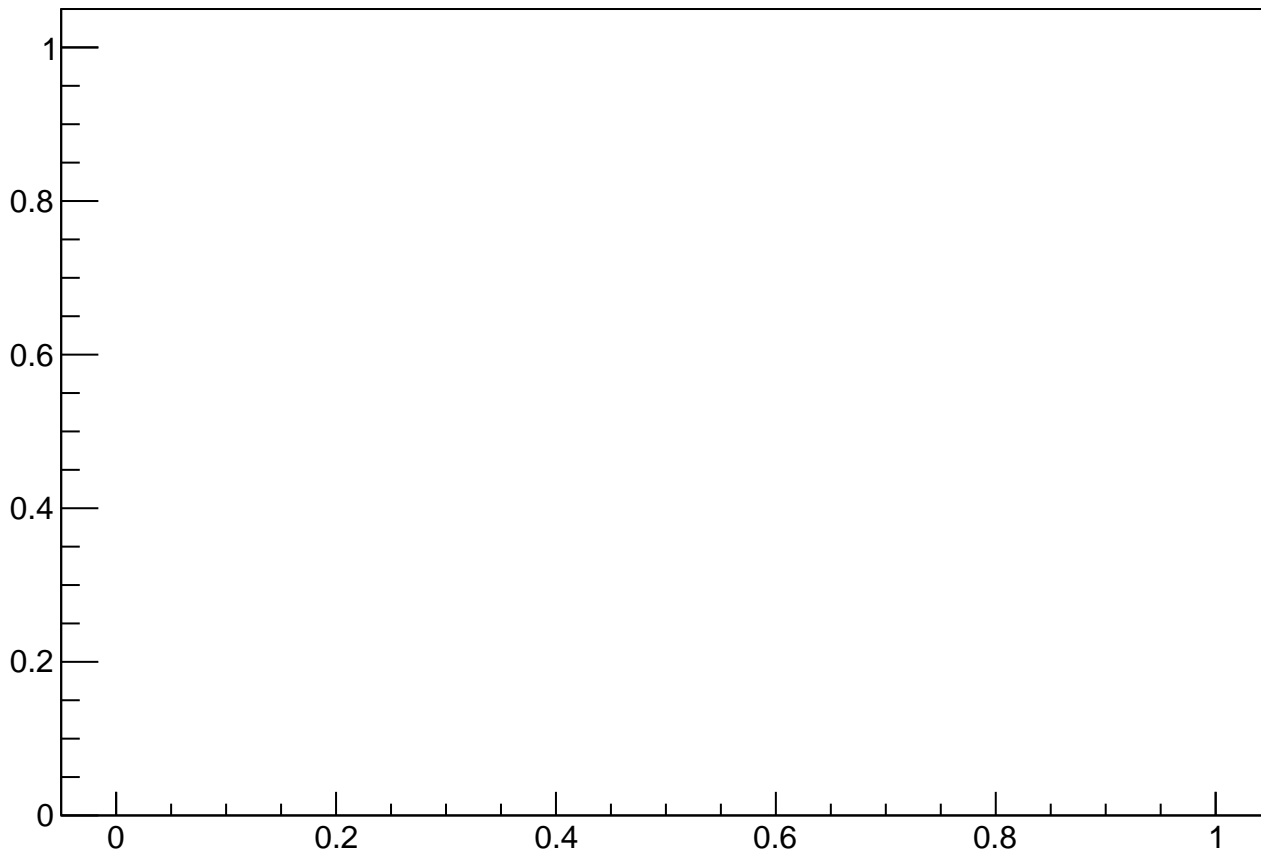
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

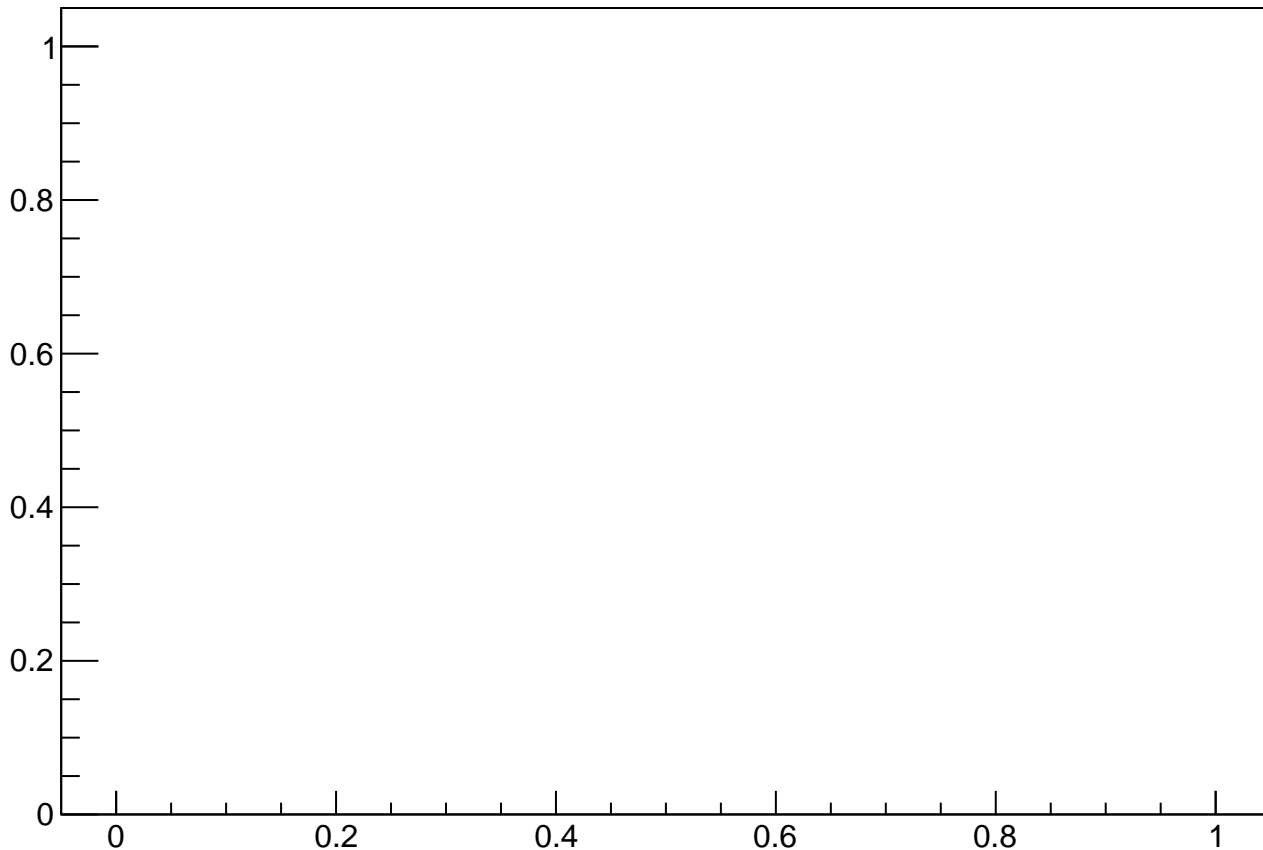
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam2\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

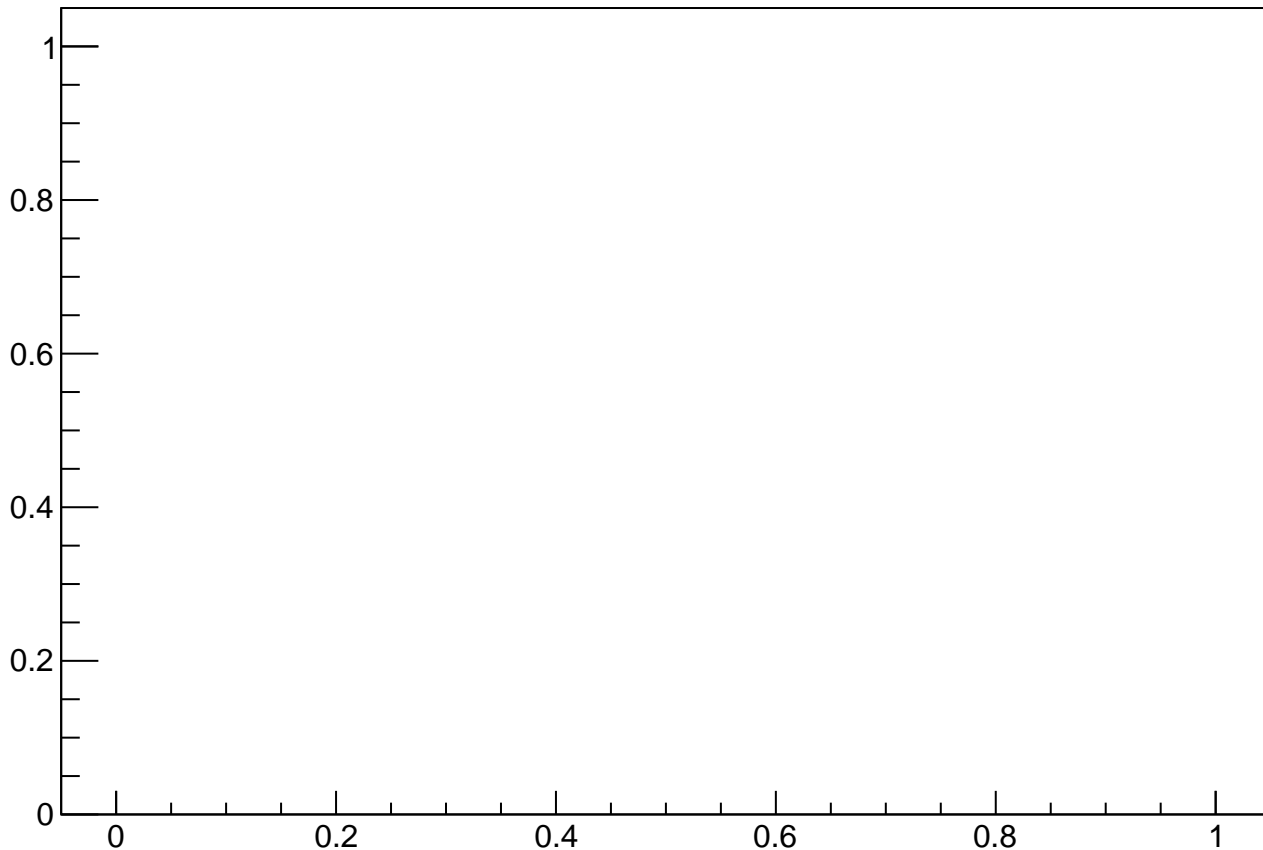
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



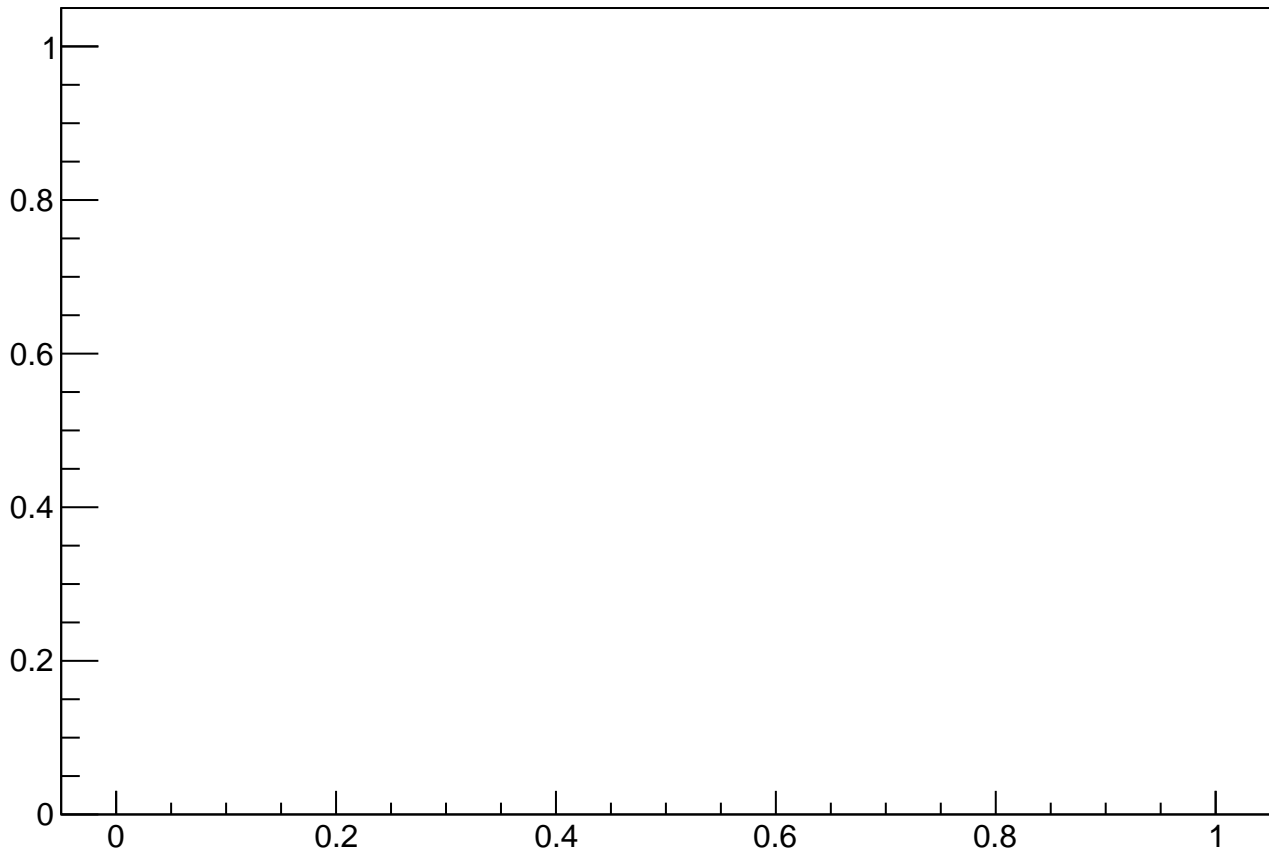
# dit\_sam2\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

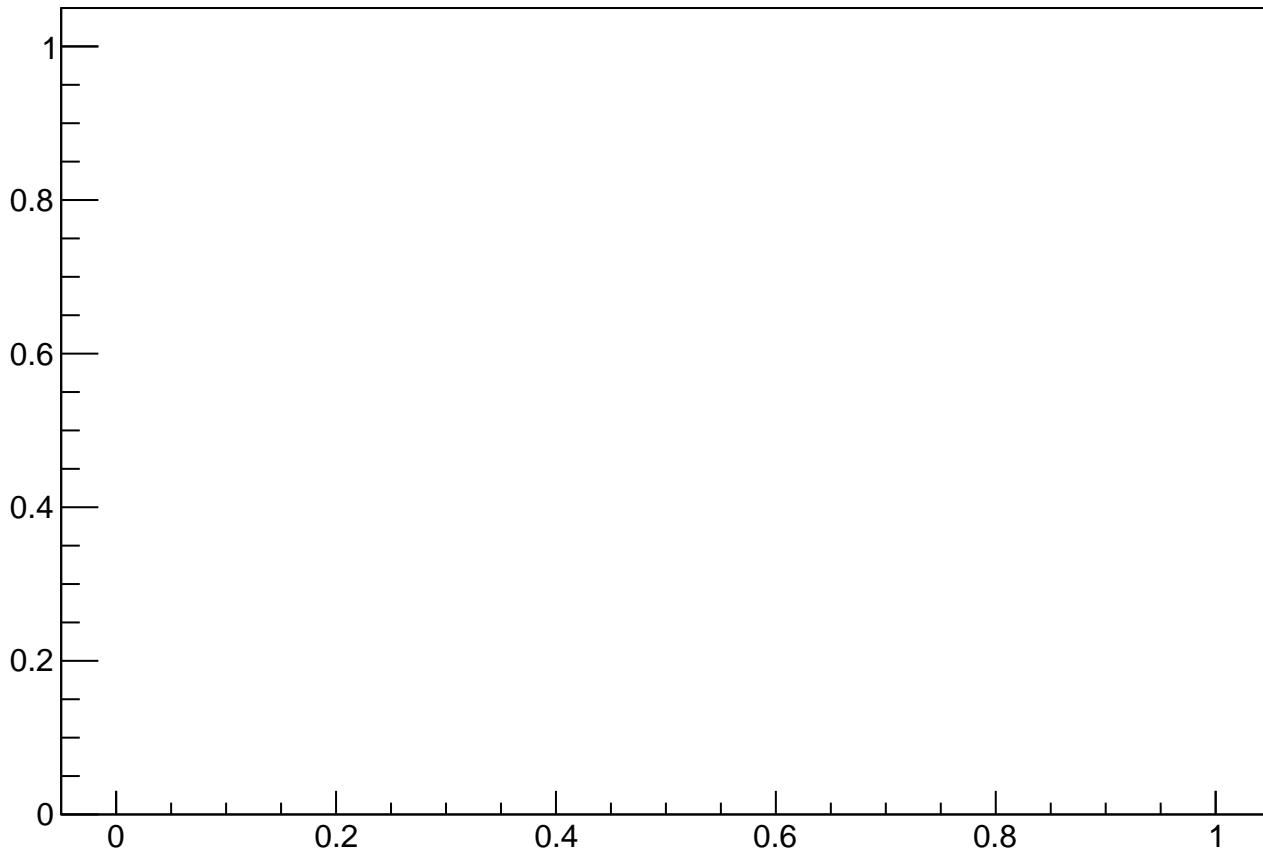
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam3\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

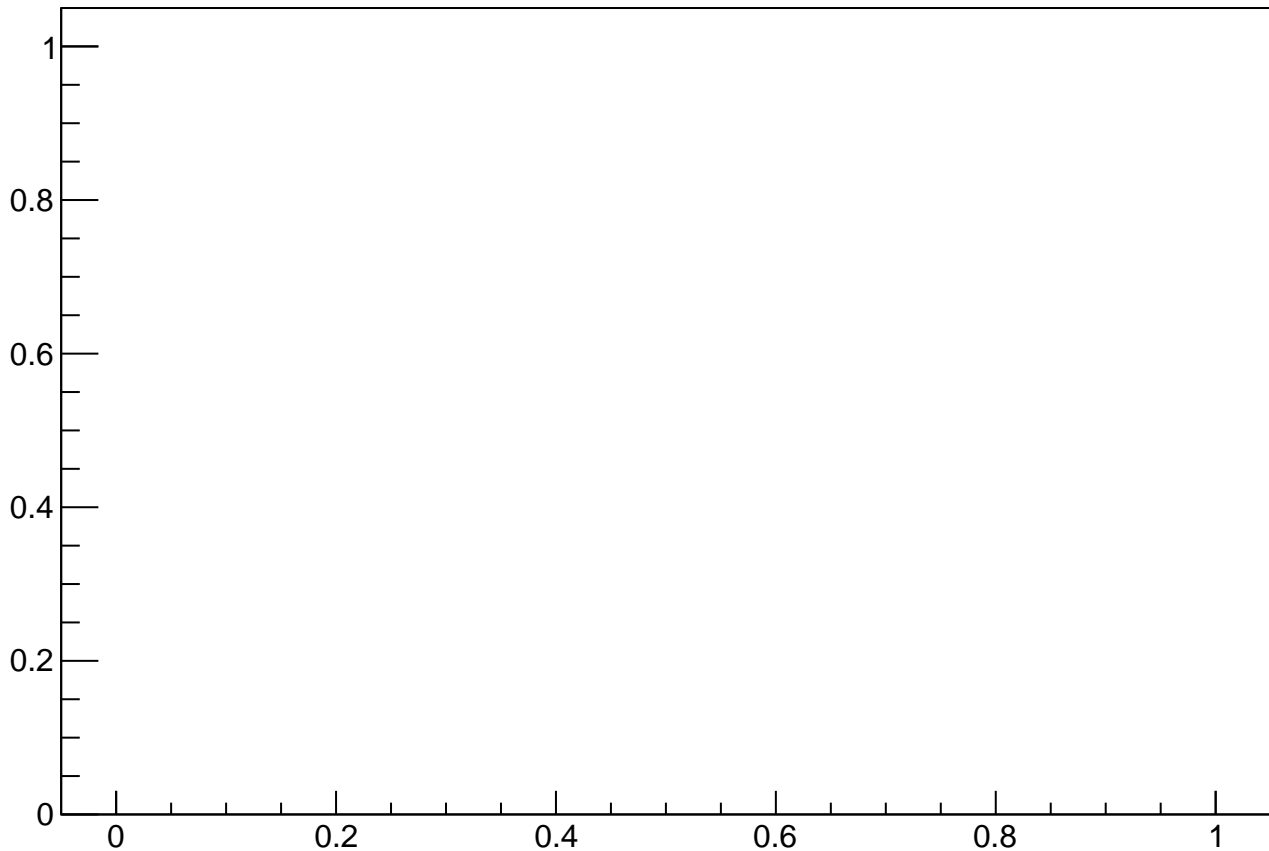
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam4\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

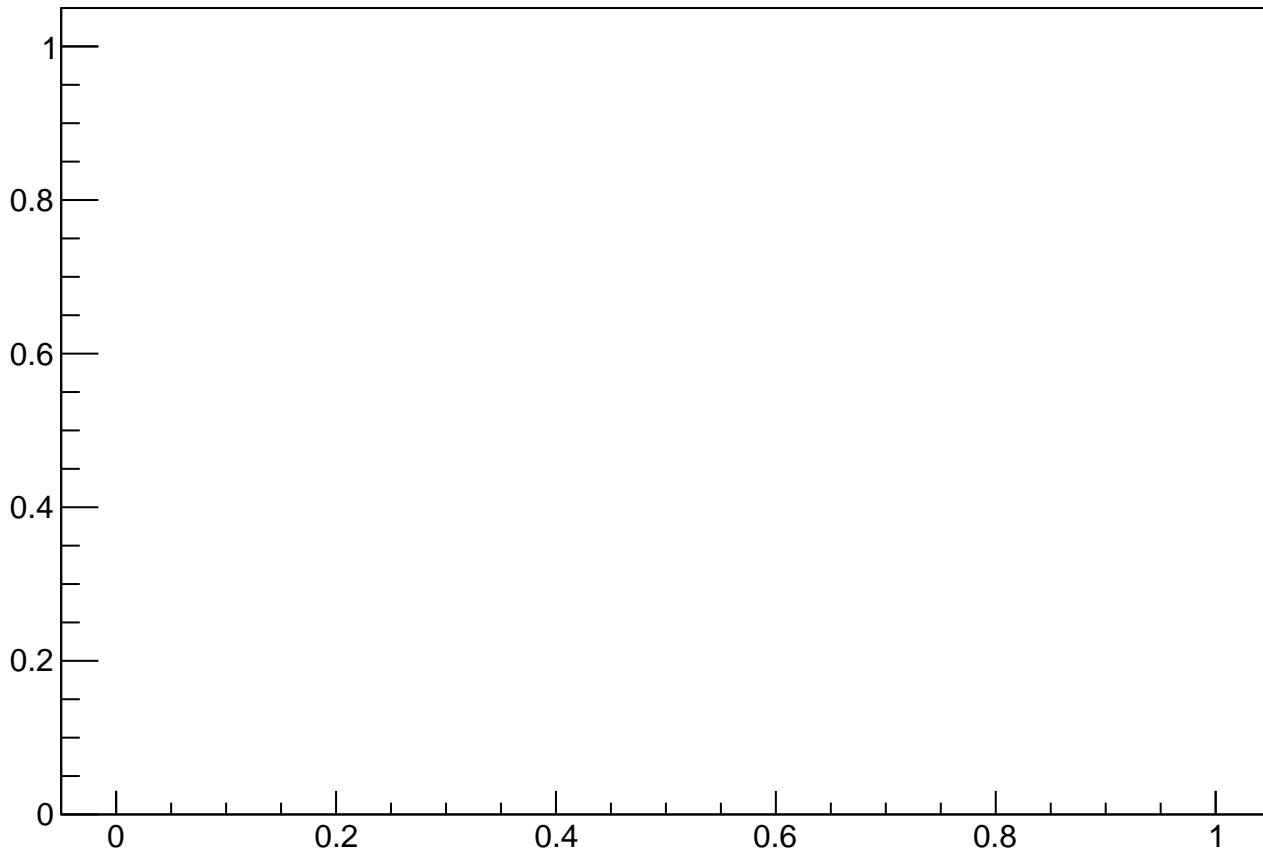
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

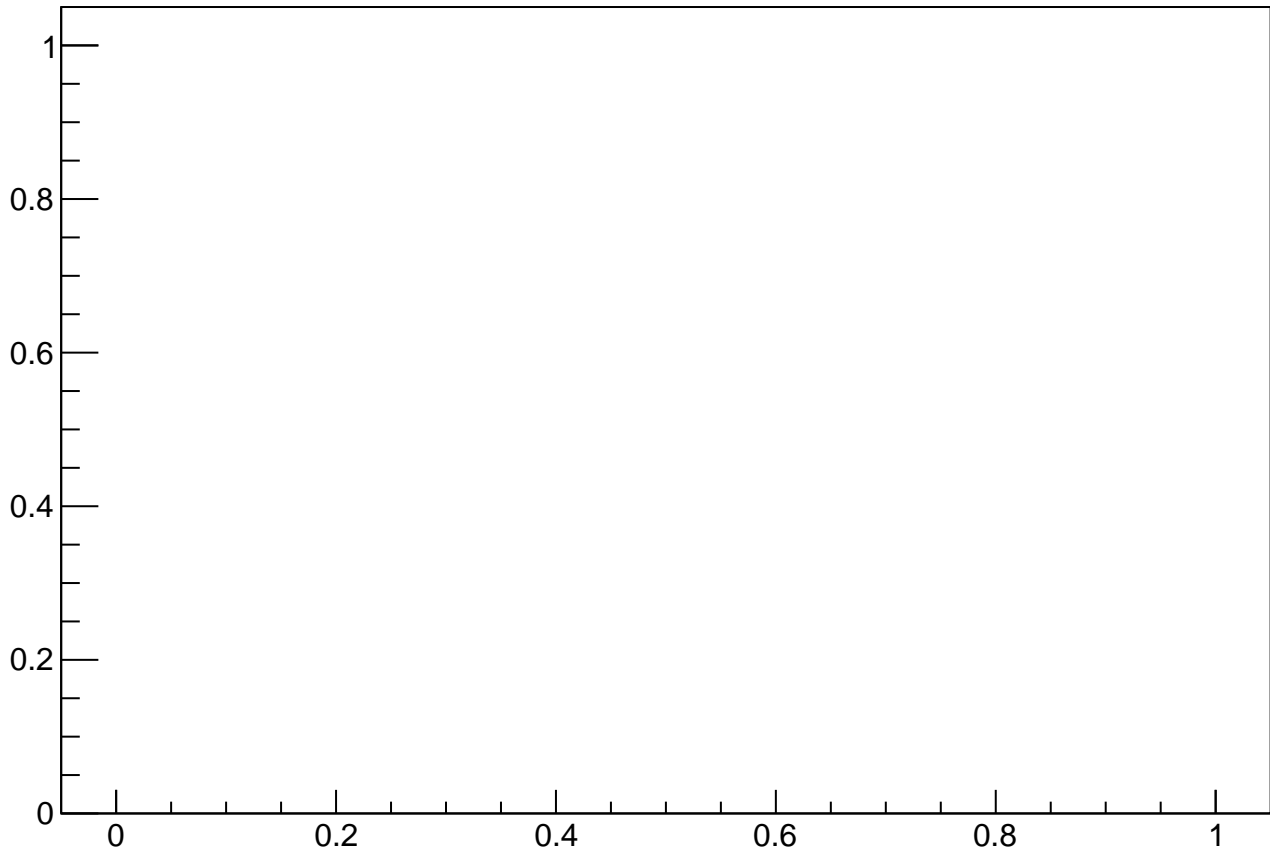
# dit\_sam4\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam5\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

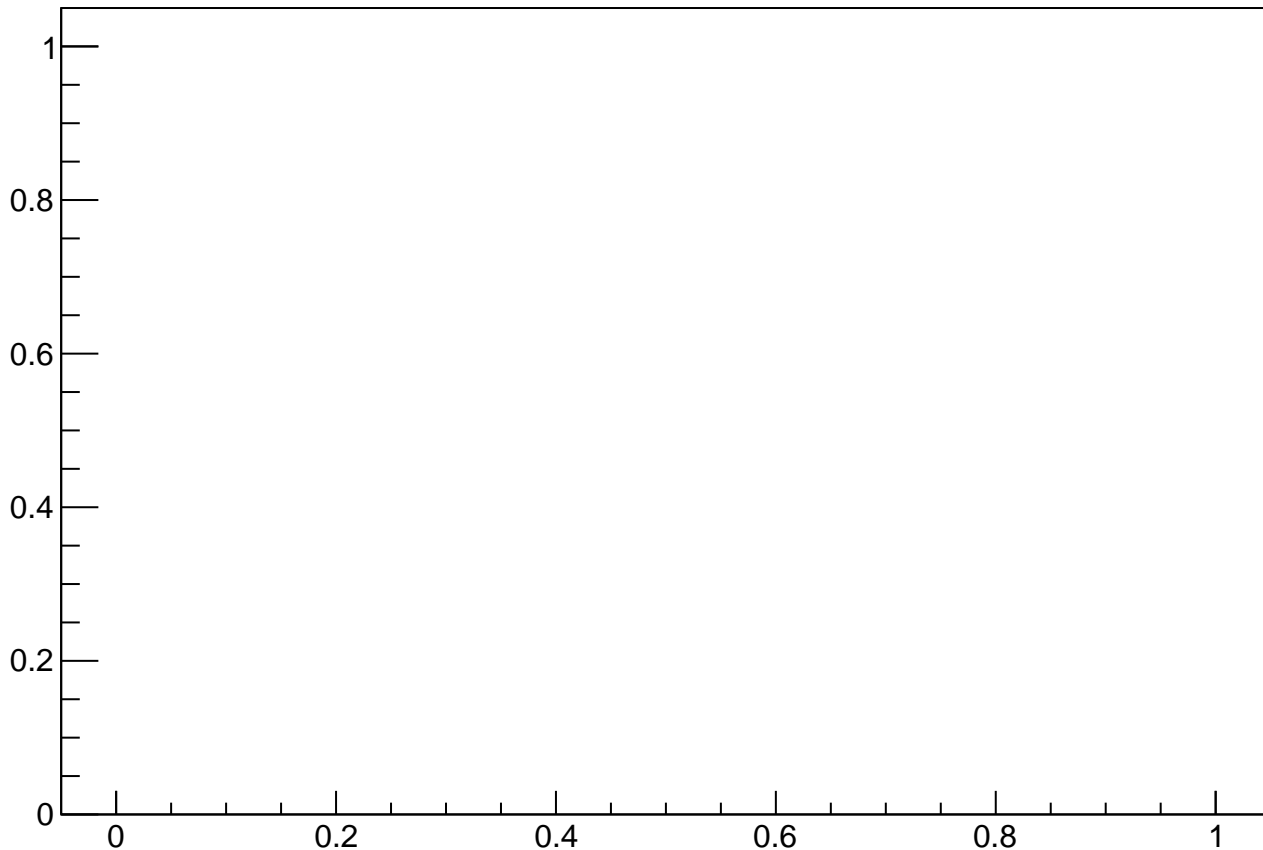
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_sam5\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

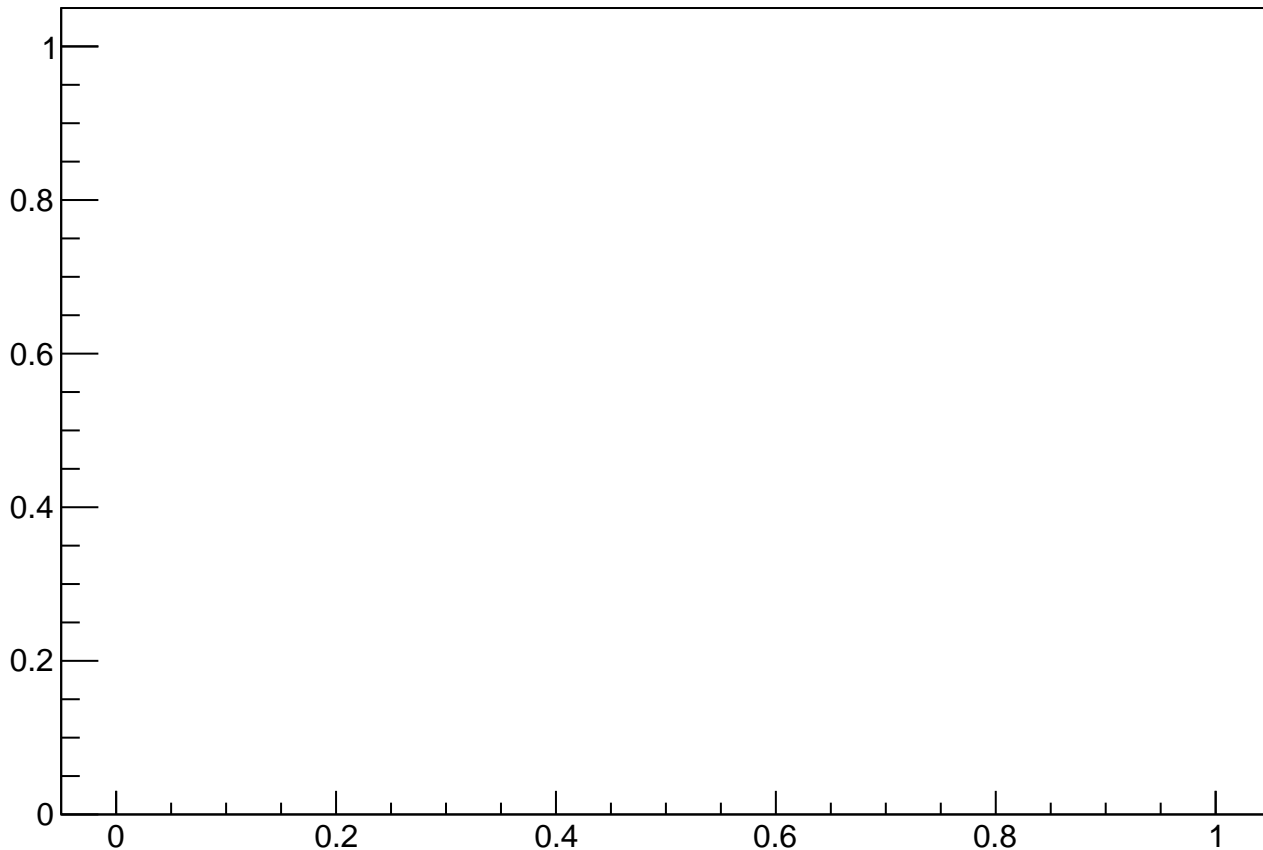
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

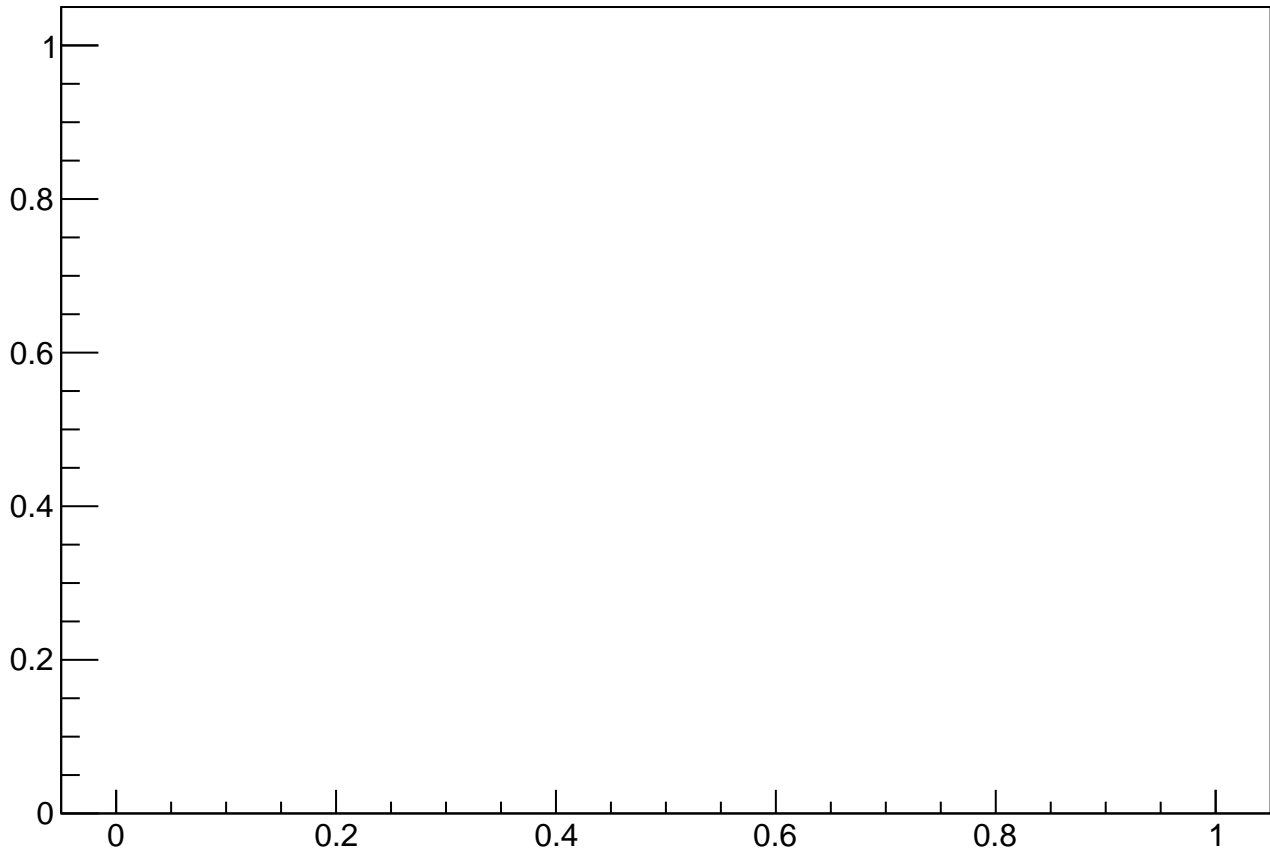
# dit\_sam5\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam6\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

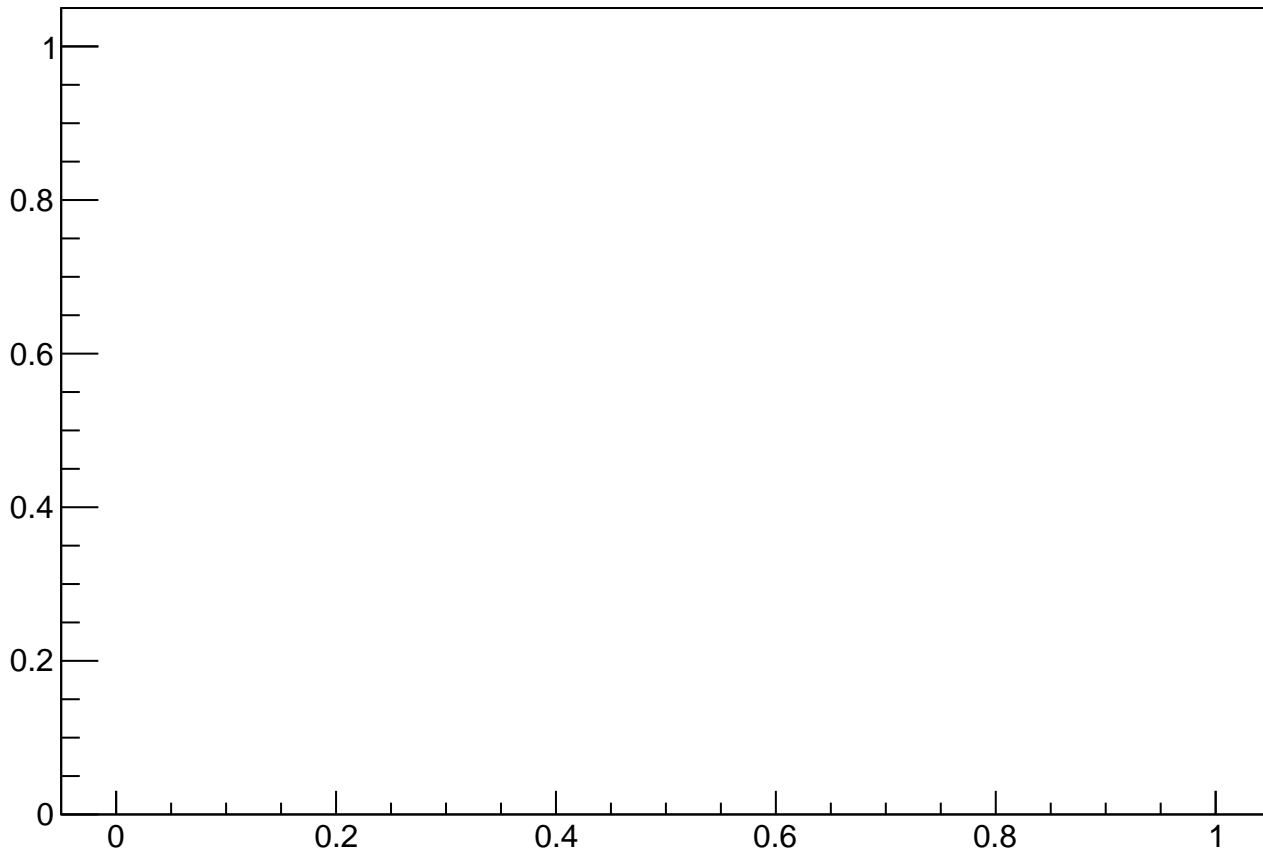
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam6\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

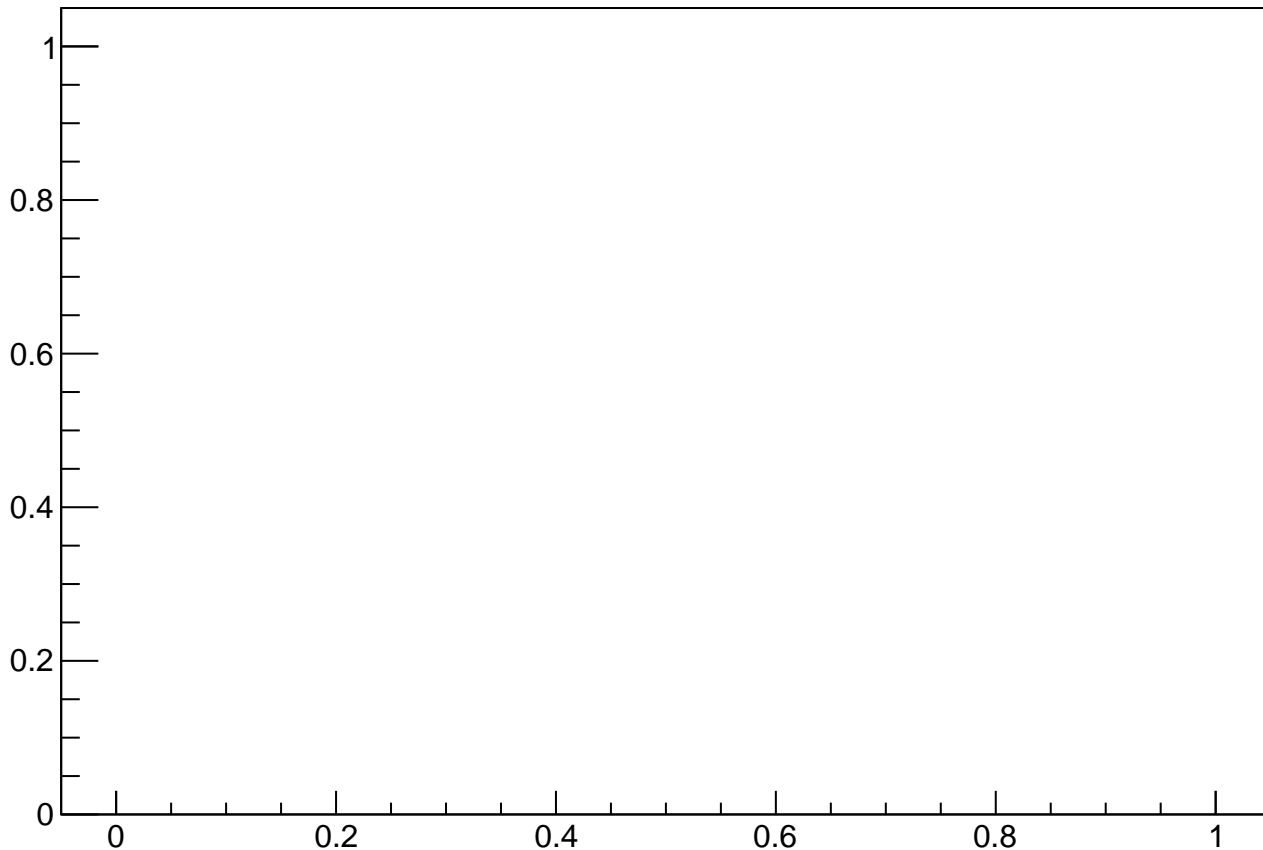
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

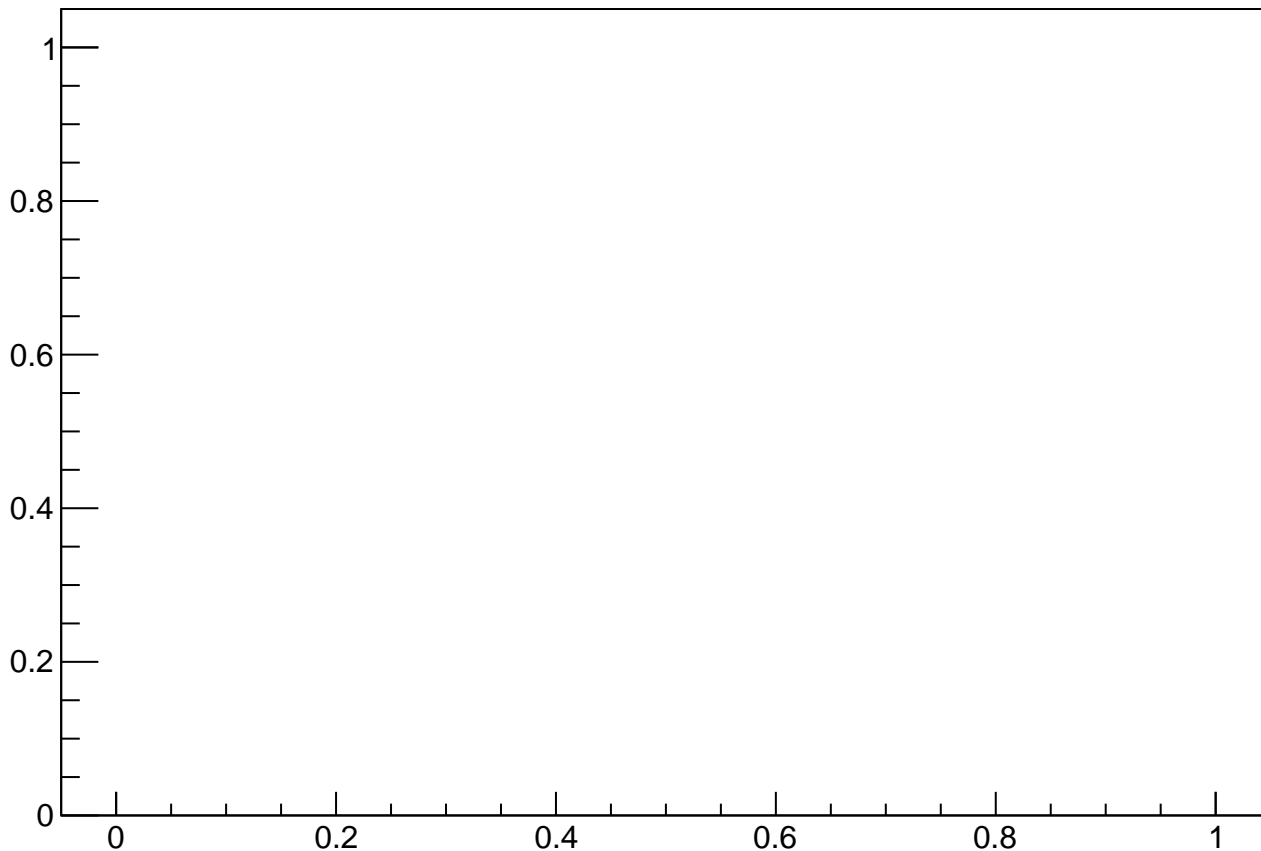
# dit\_sam6\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_sam7\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam7\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

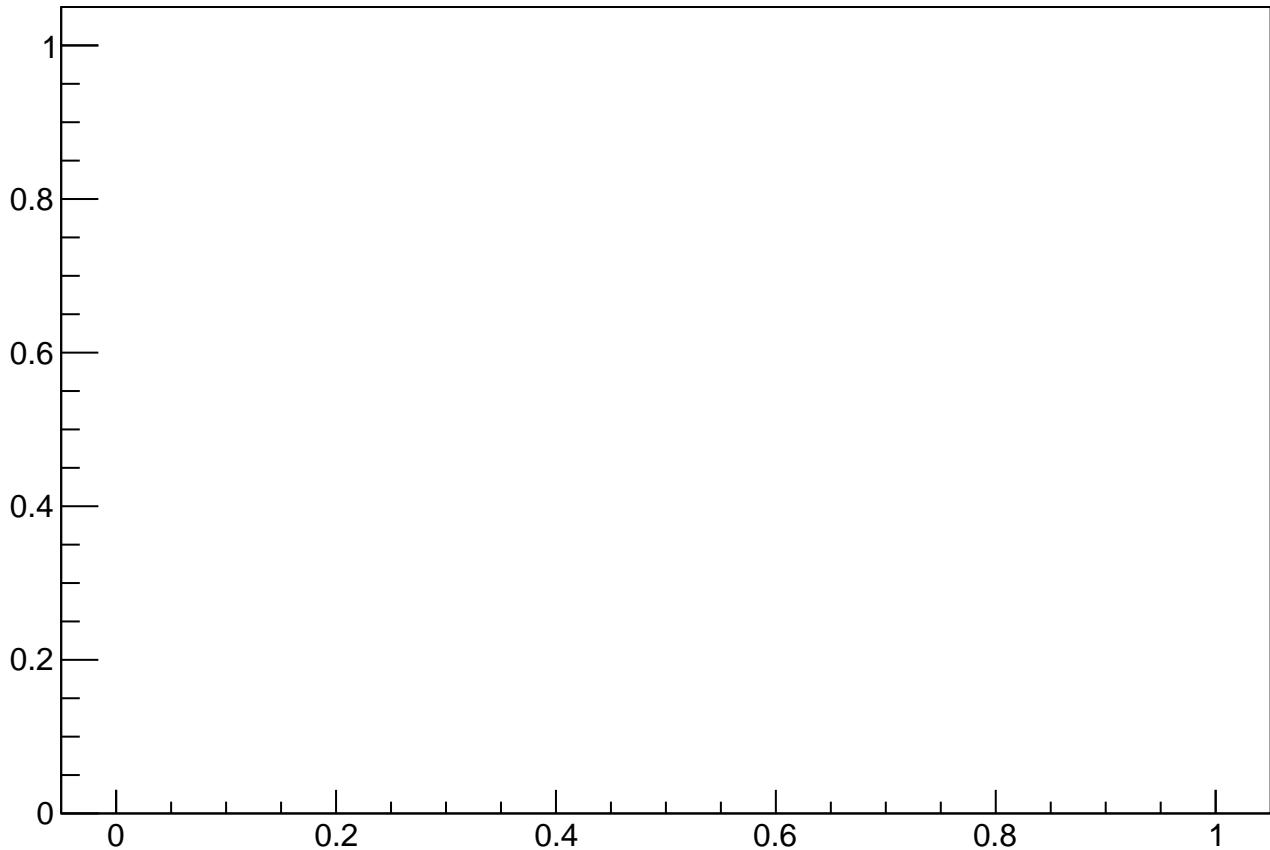
In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0



# dit\_sam8\_coil6\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

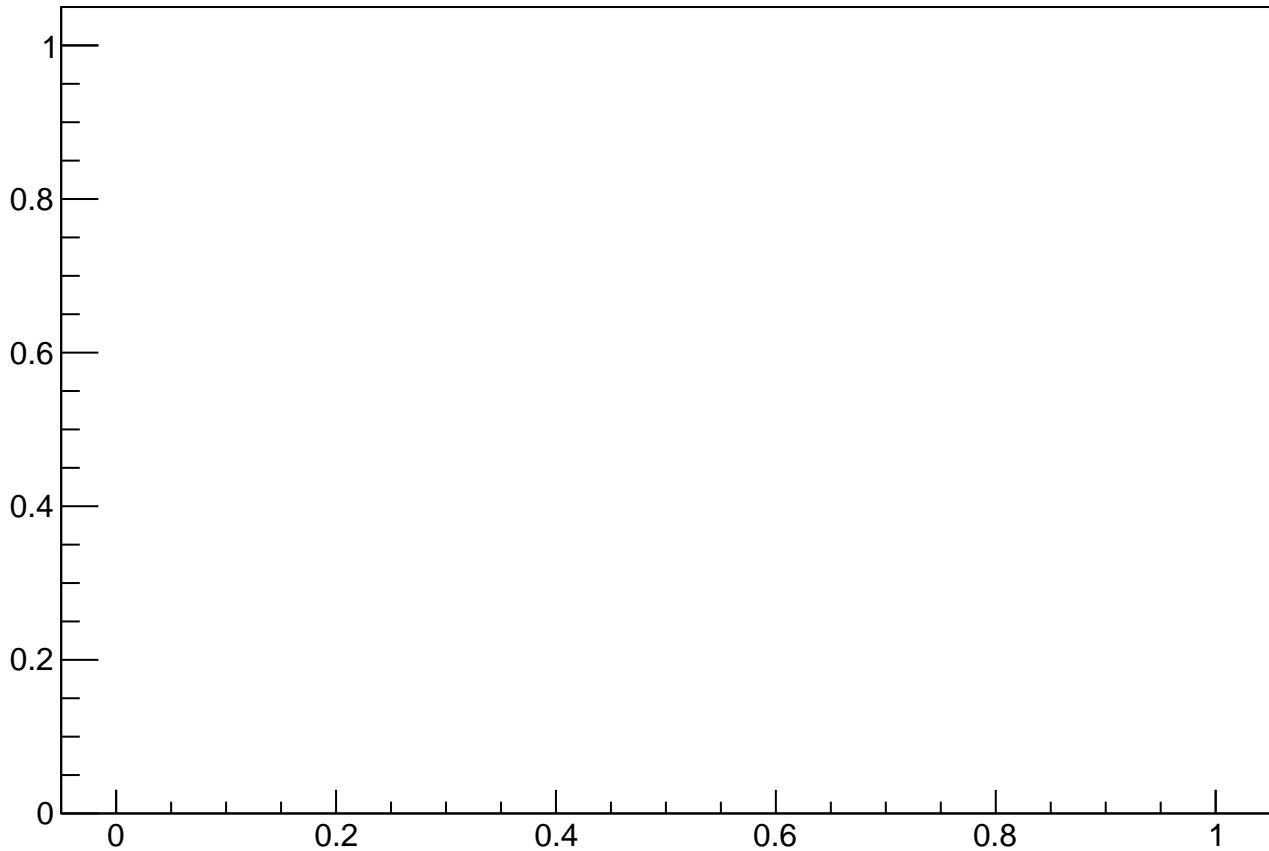
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil6\_err\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_sam8\_coil6\_Ndata\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

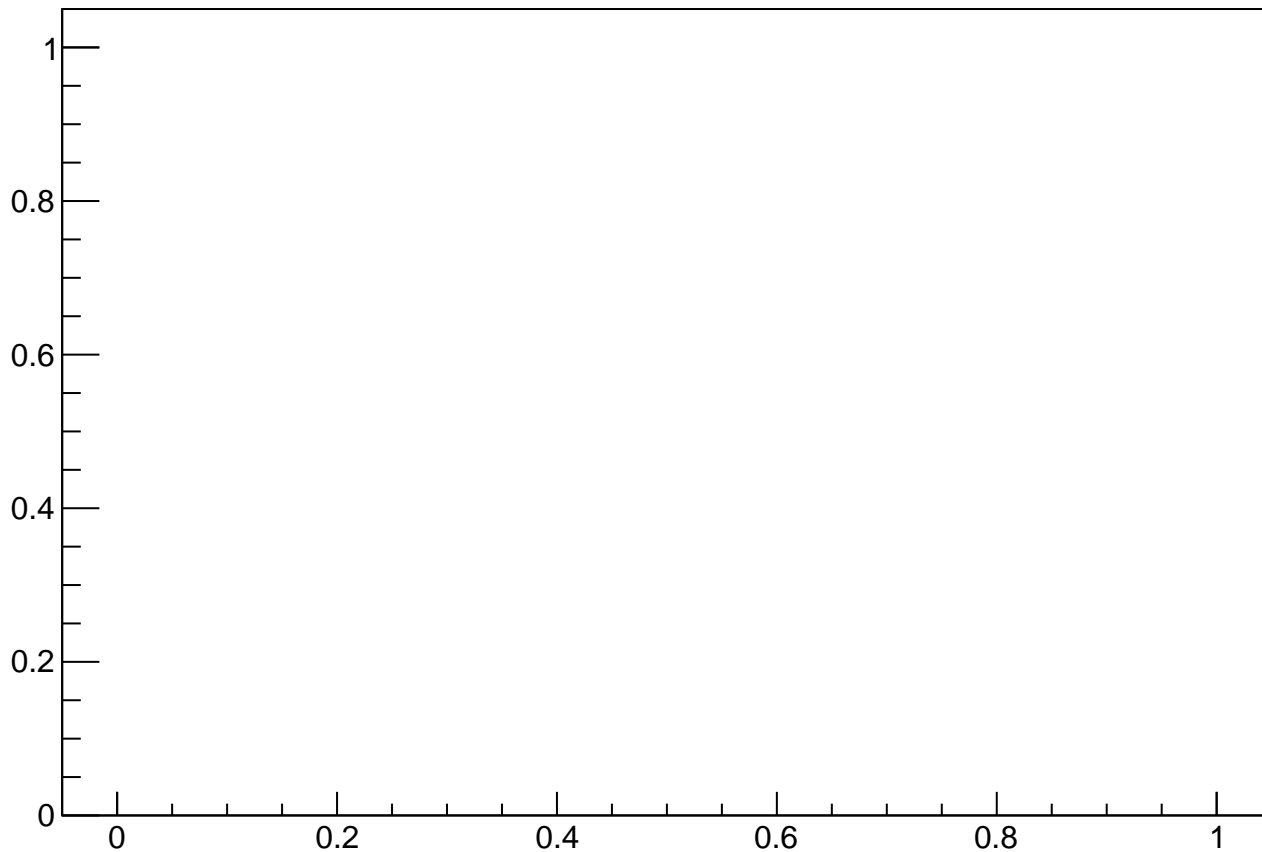
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_run\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

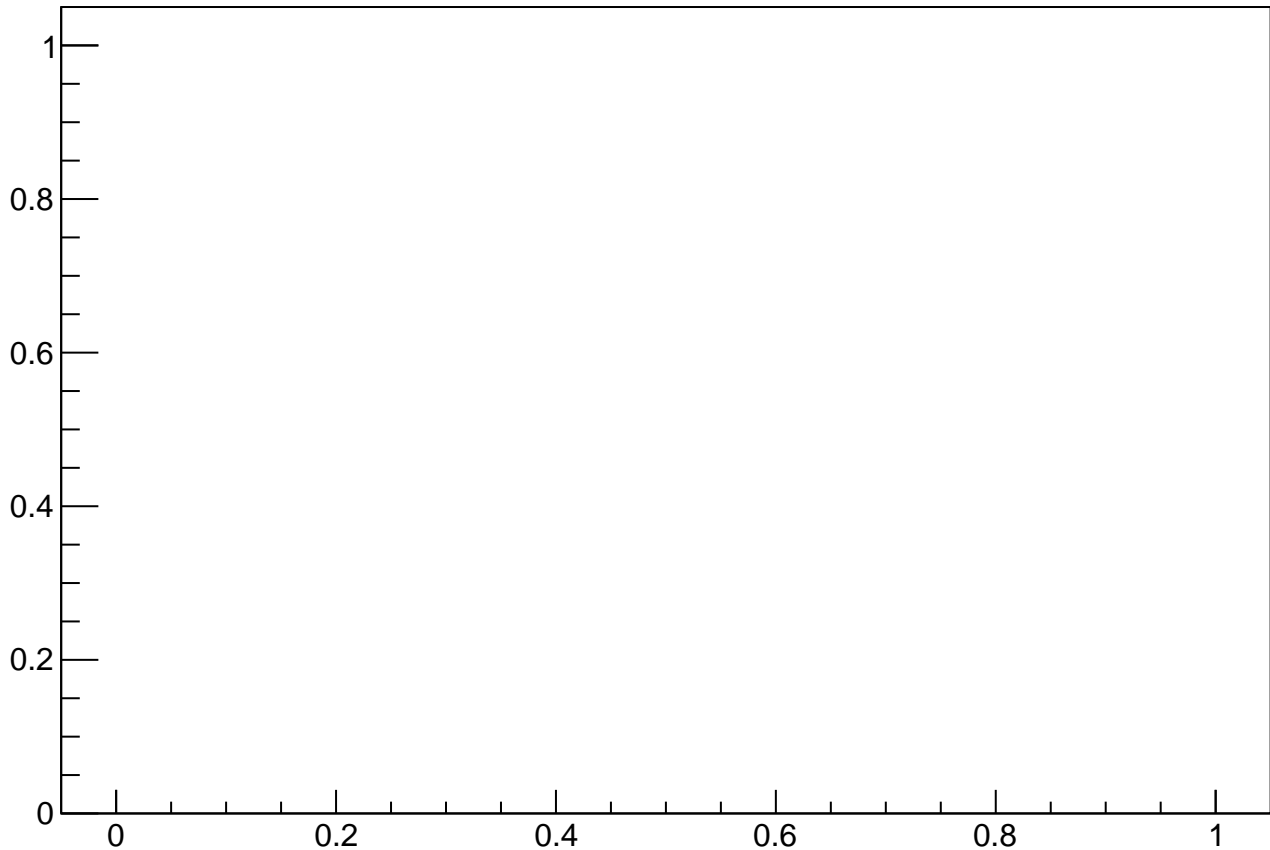
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_run\_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

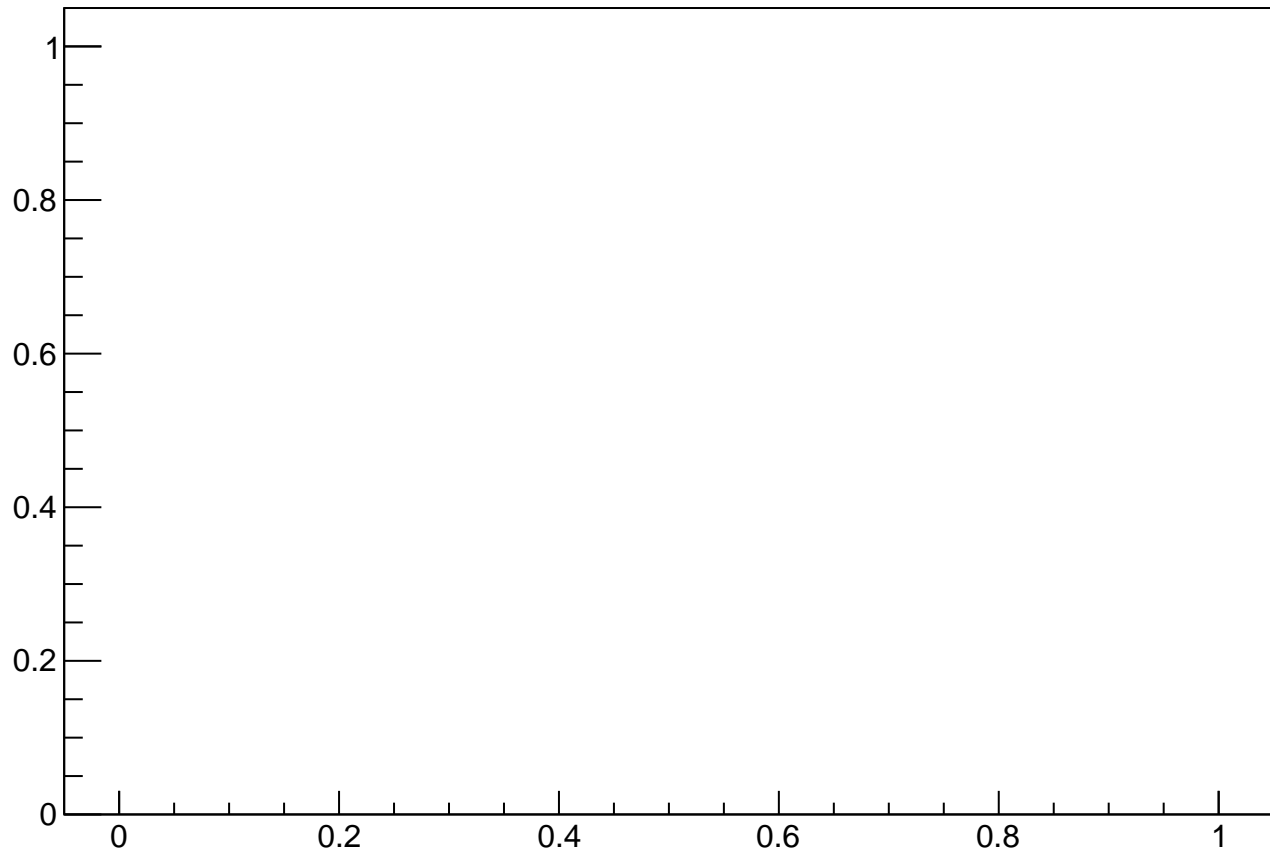
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_slug\_slope vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

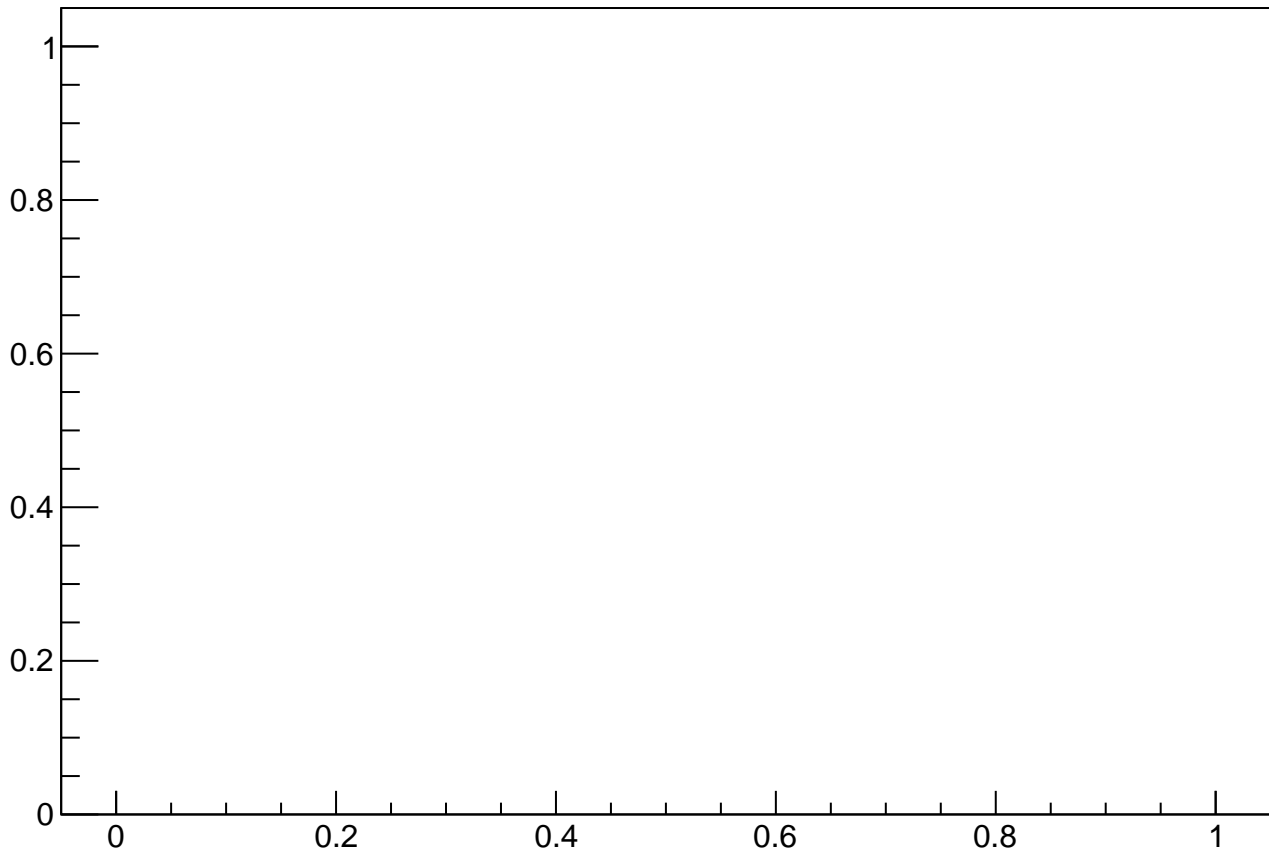
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

# dit\_cyclenum\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

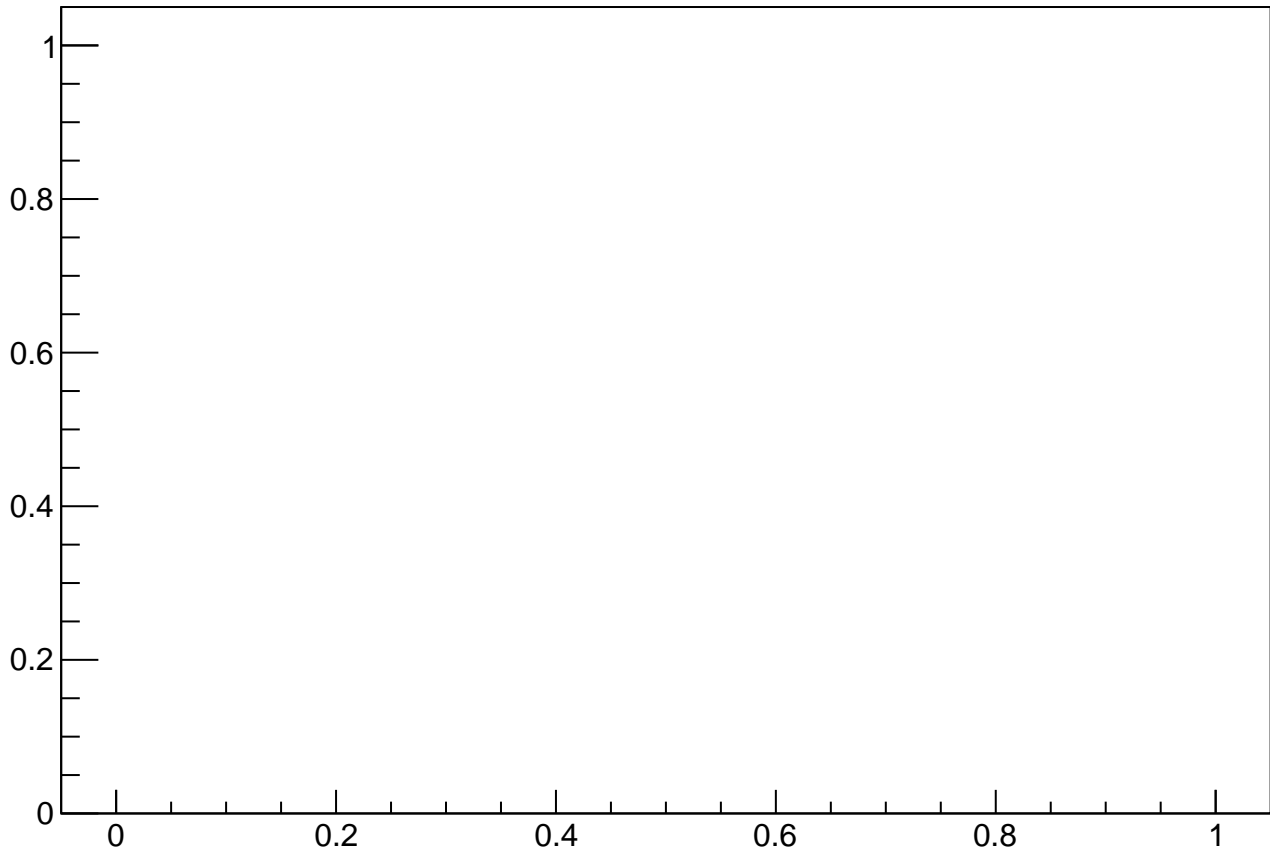
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_cyclenum\_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

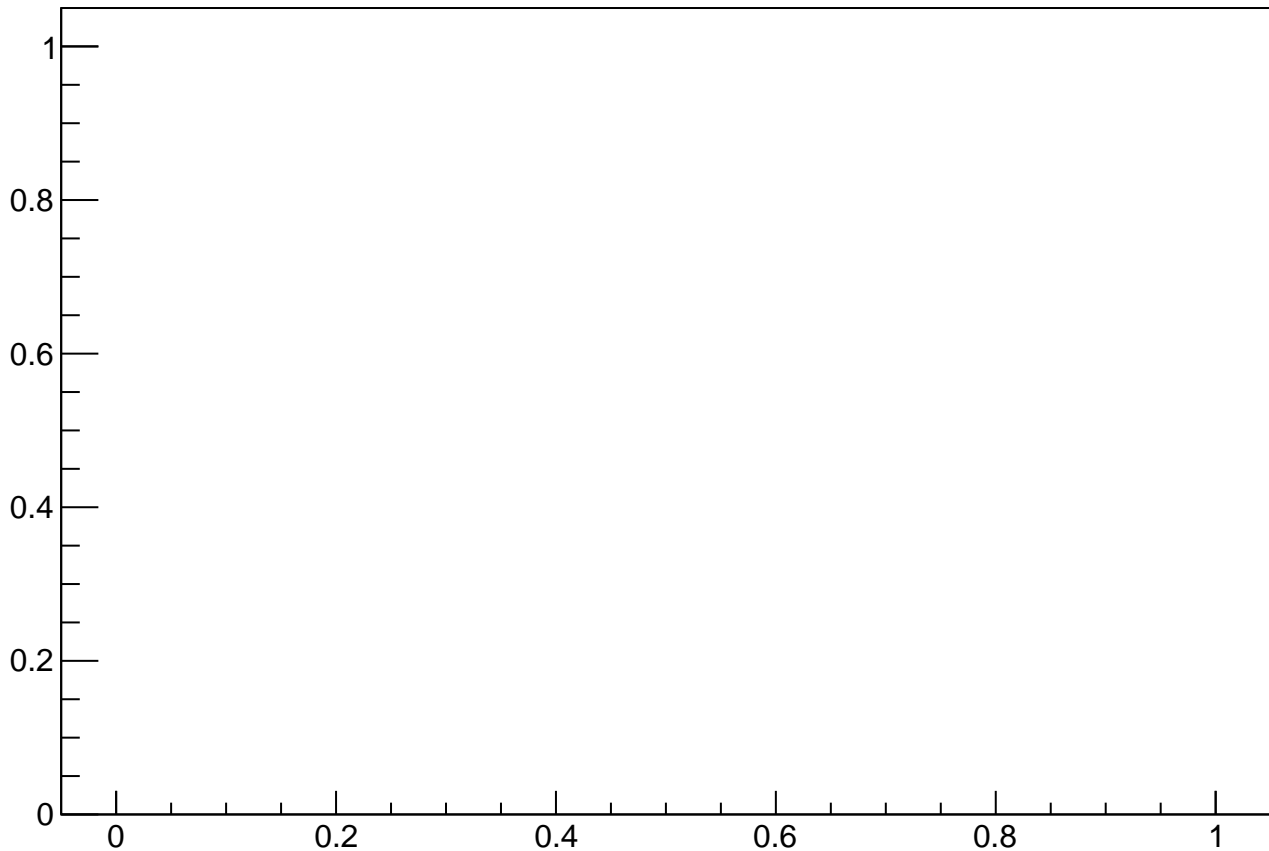
In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0



# dit\_scandata1\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

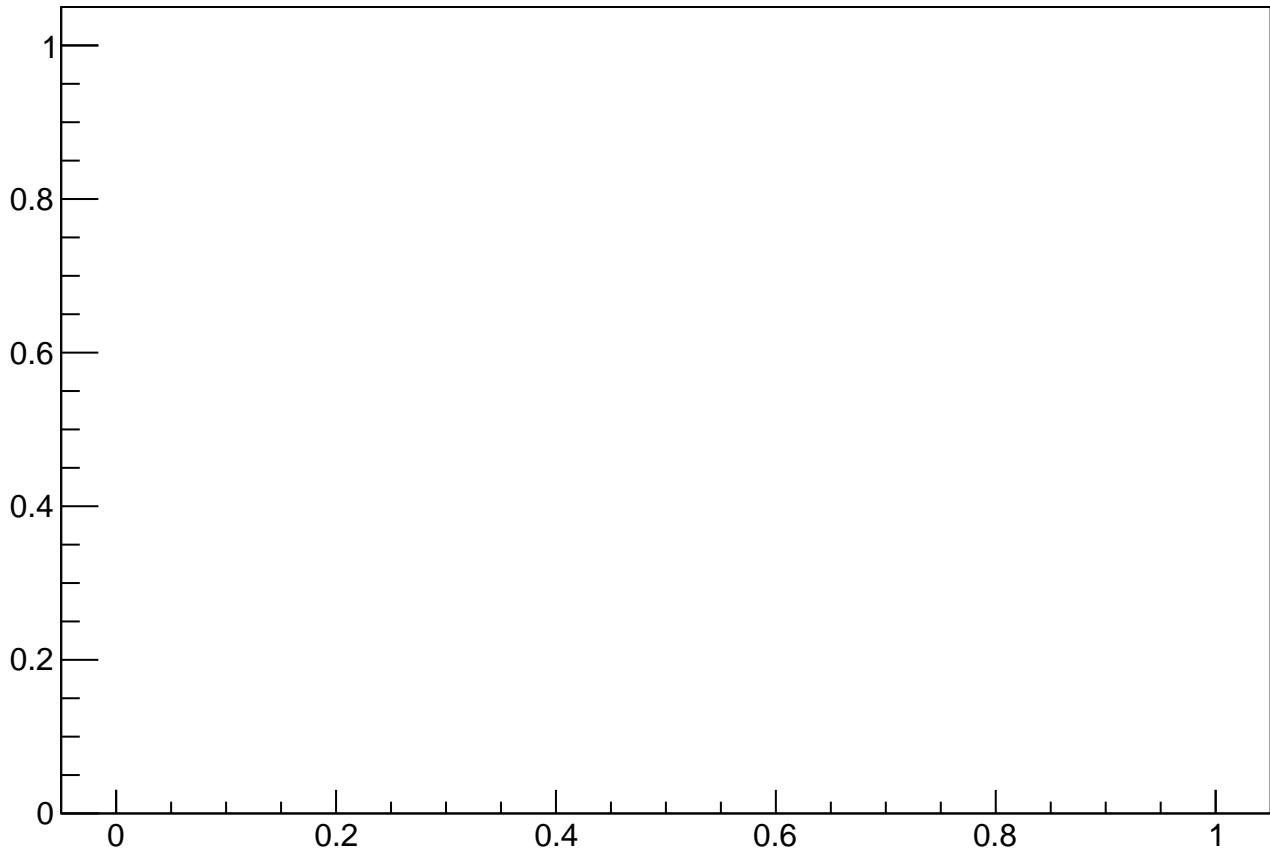
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata1\_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

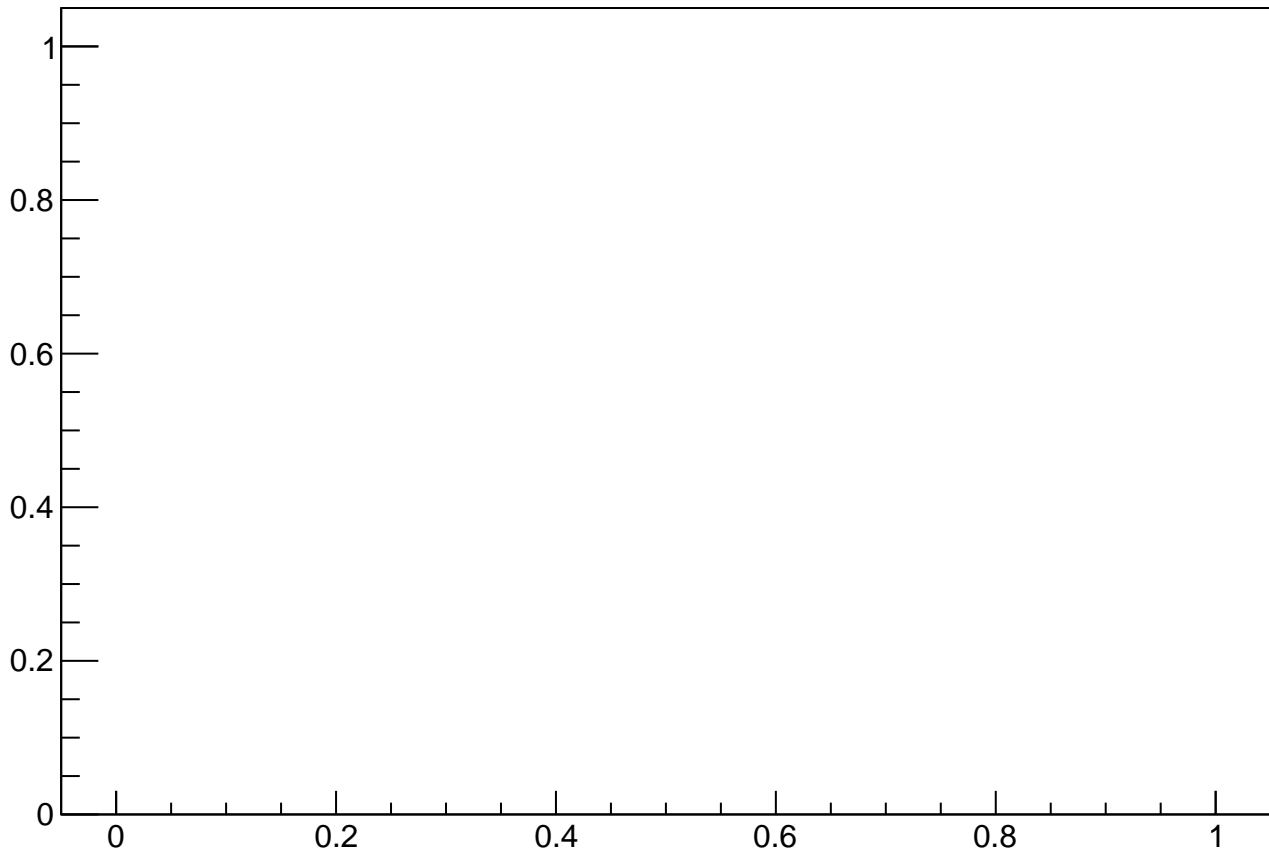
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

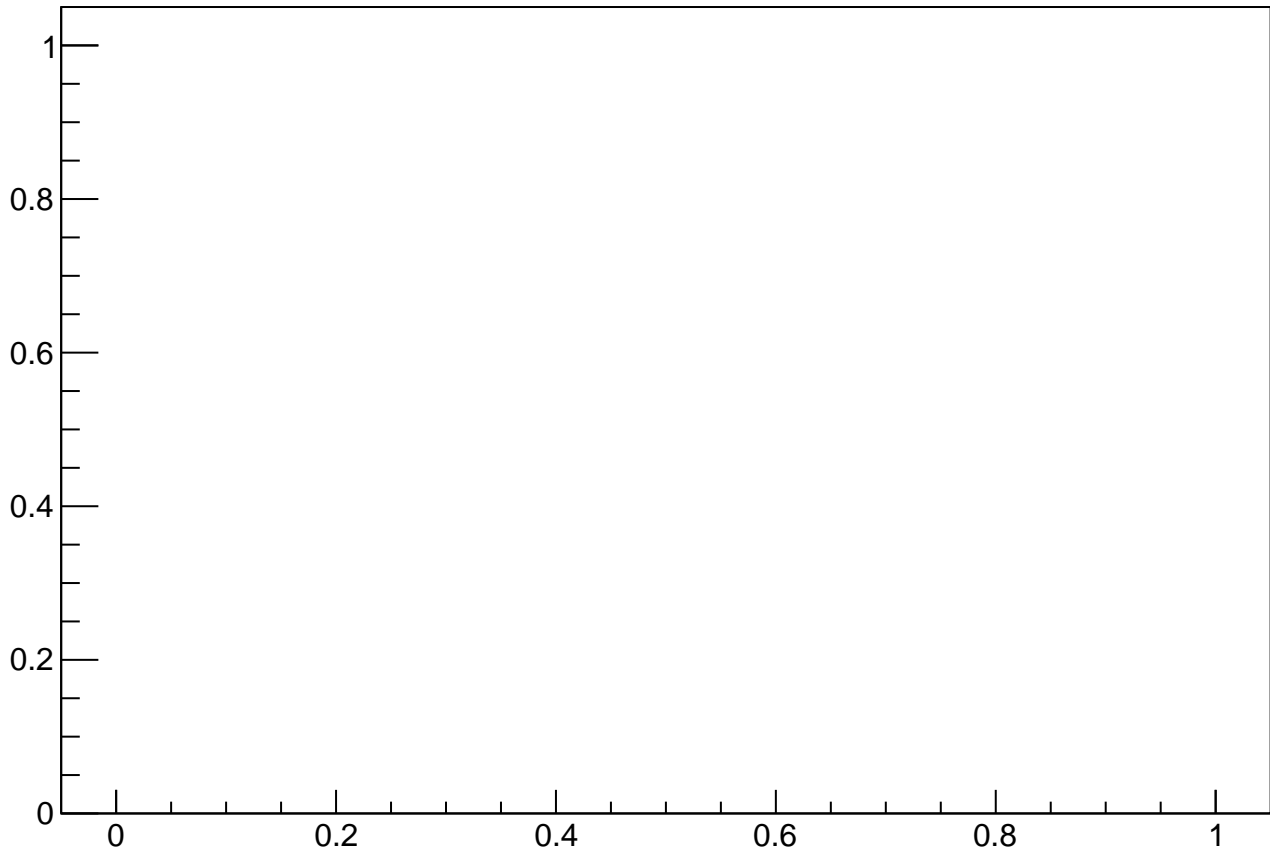
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_scandata2\_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

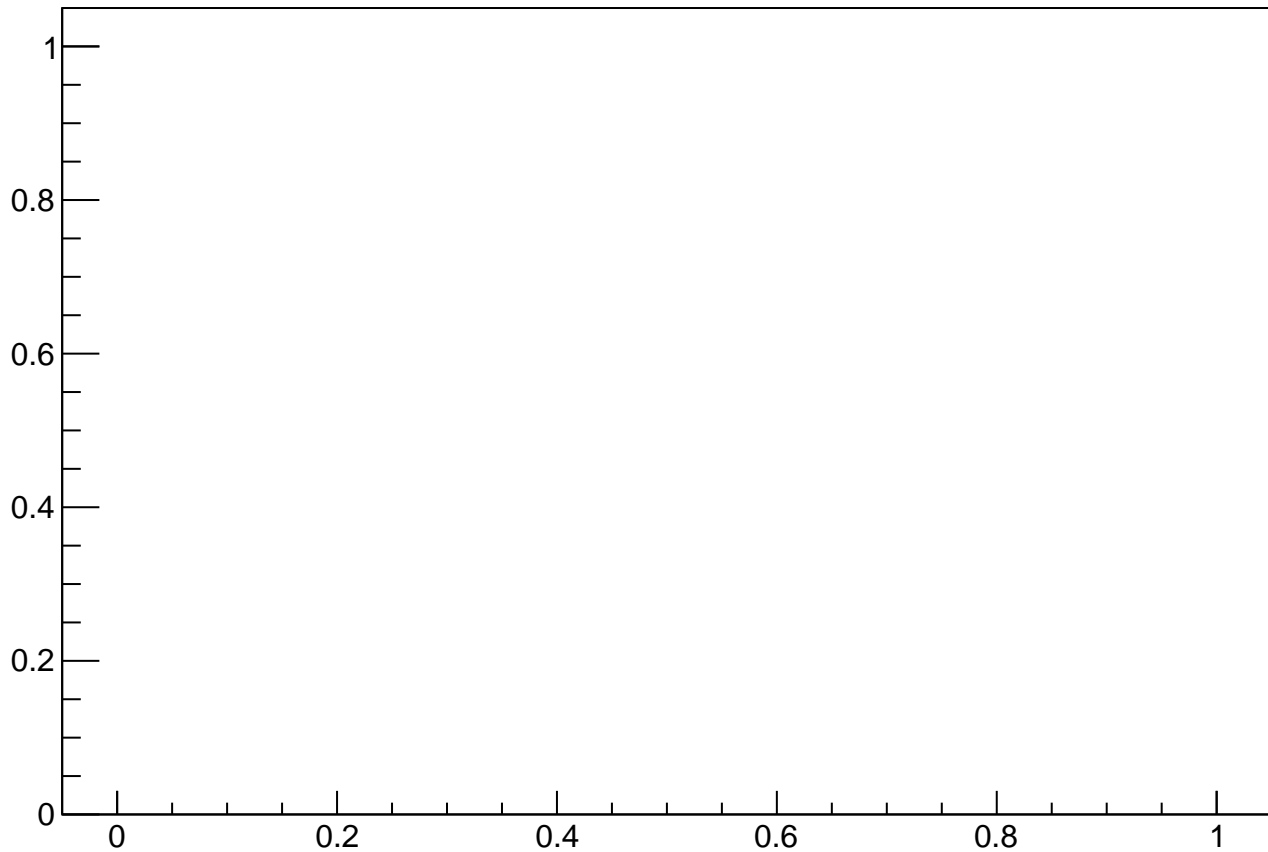
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_mean vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

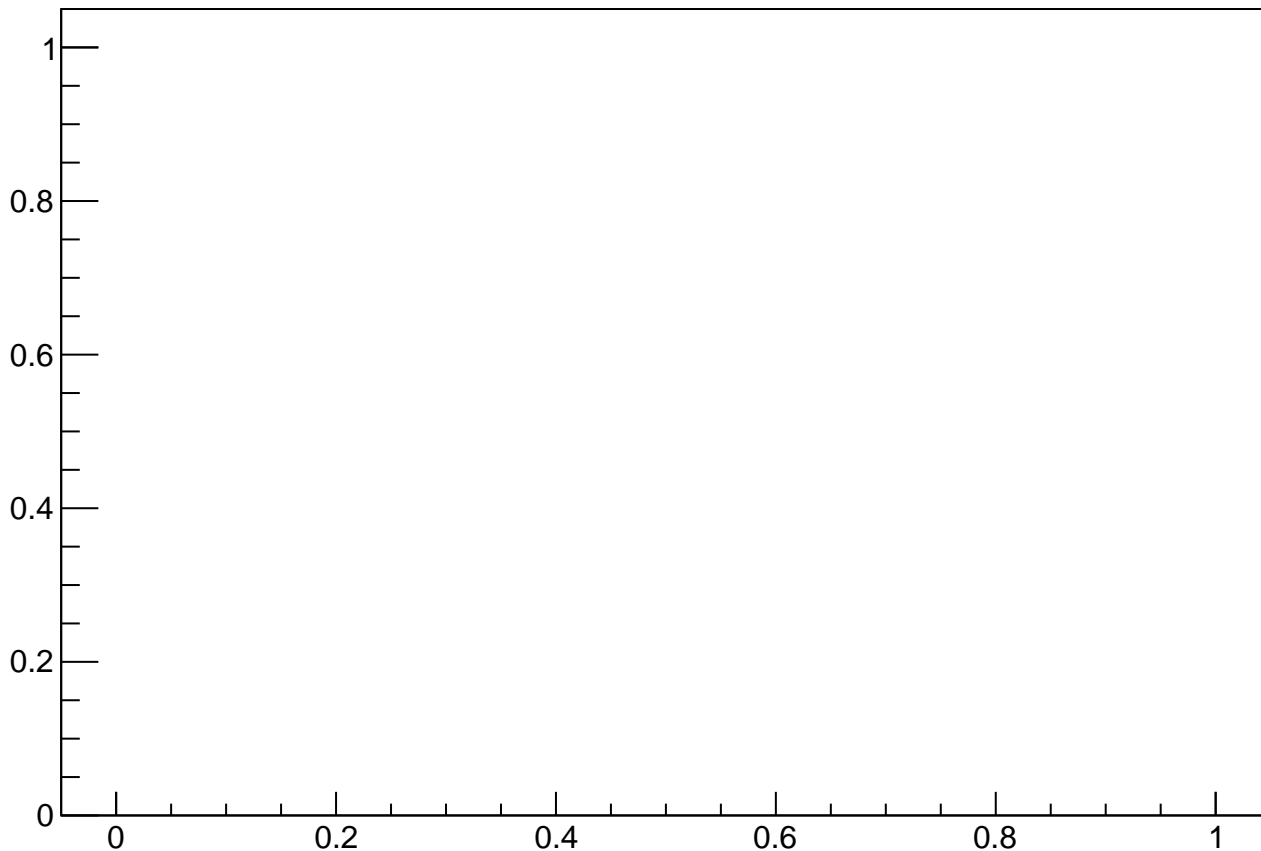
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_flag\_rms vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

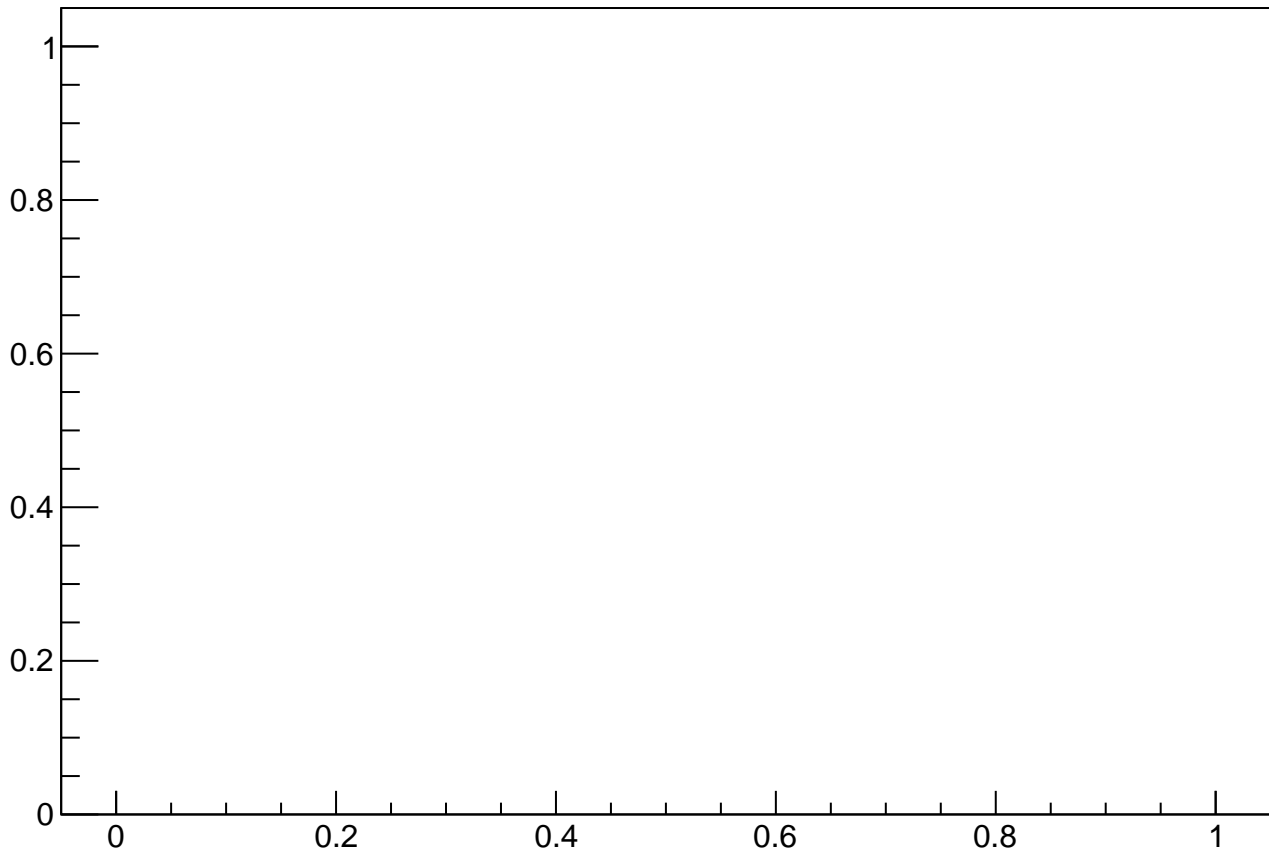
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# dit\_segment\_slope vs Slug, Sign Corrected



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

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

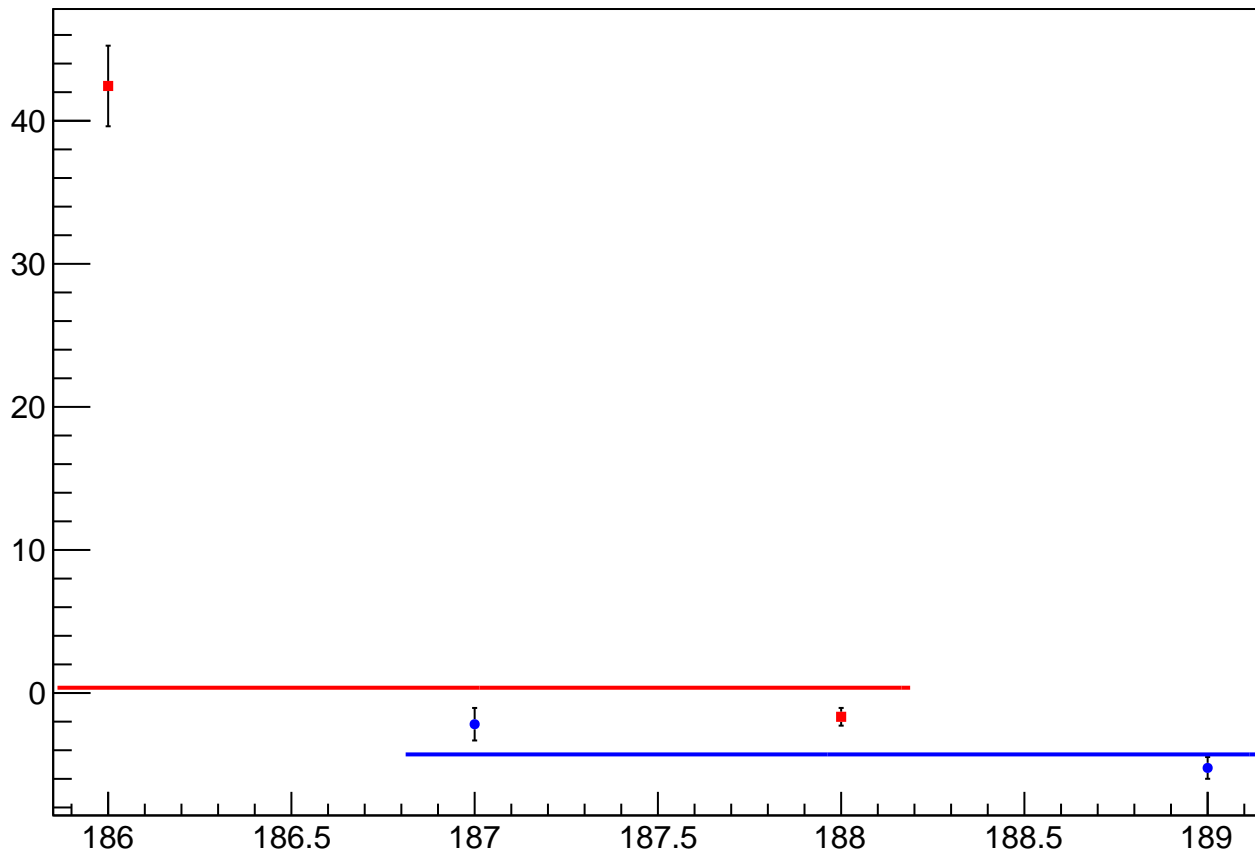
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

# reg\_asym\_sam1\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-4.292 \pm 0.632$   $\chi^2/\text{NDF}: 5.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.370 \pm 0.605$   $\chi^2/\text{NDF}: 233.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-1.858 \pm 0.437$   $\chi^2/\text{NDF}: 267.1/3$

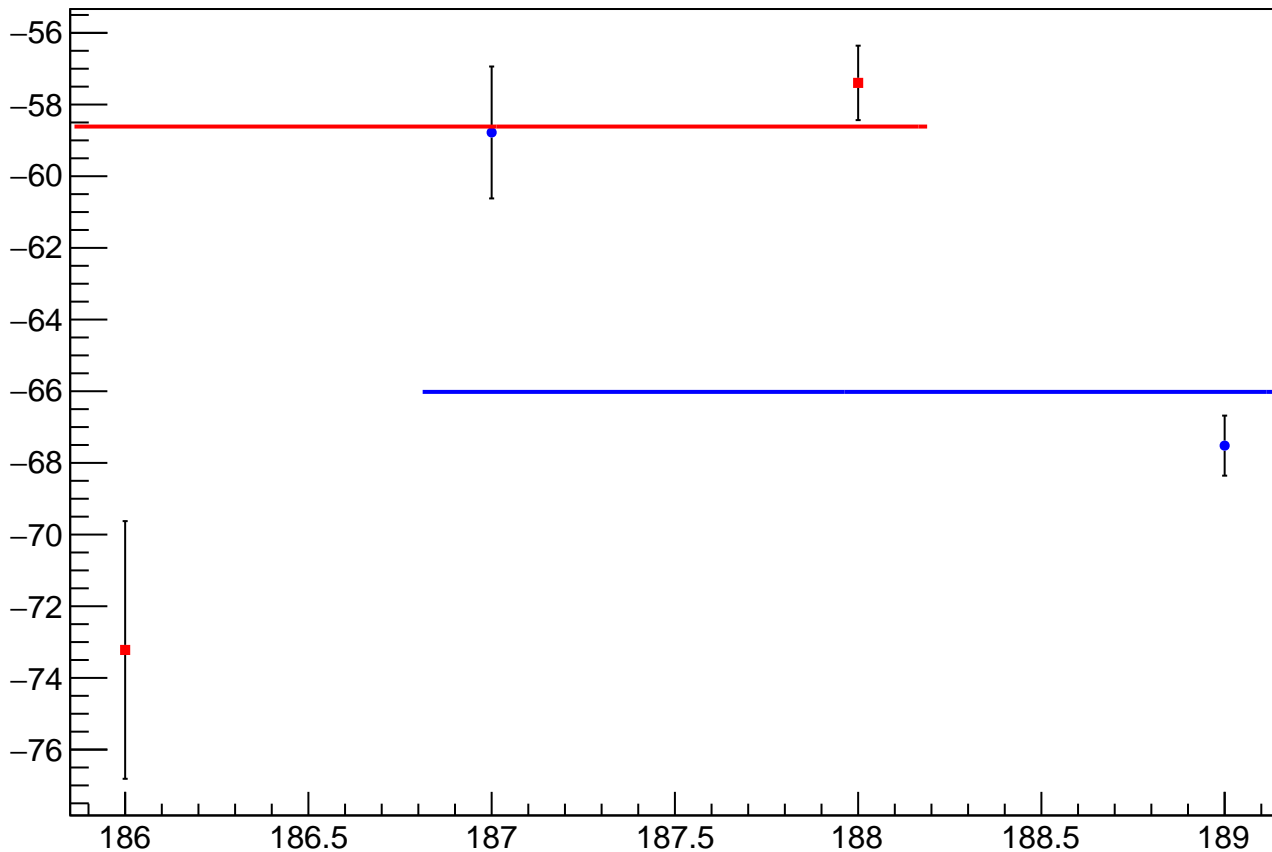
In:  $-4.292 \pm 0.632$   $\chi^2/\text{NDF}: 5.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.858 \pm 0.437$   $\chi^2/\text{NDF}: 267.1/3$



# reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -66.018+/-0.763  $\chi^2$ /NDF: 18.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -58.614+/-0.998  $\chi^2$ /NDF: 17.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

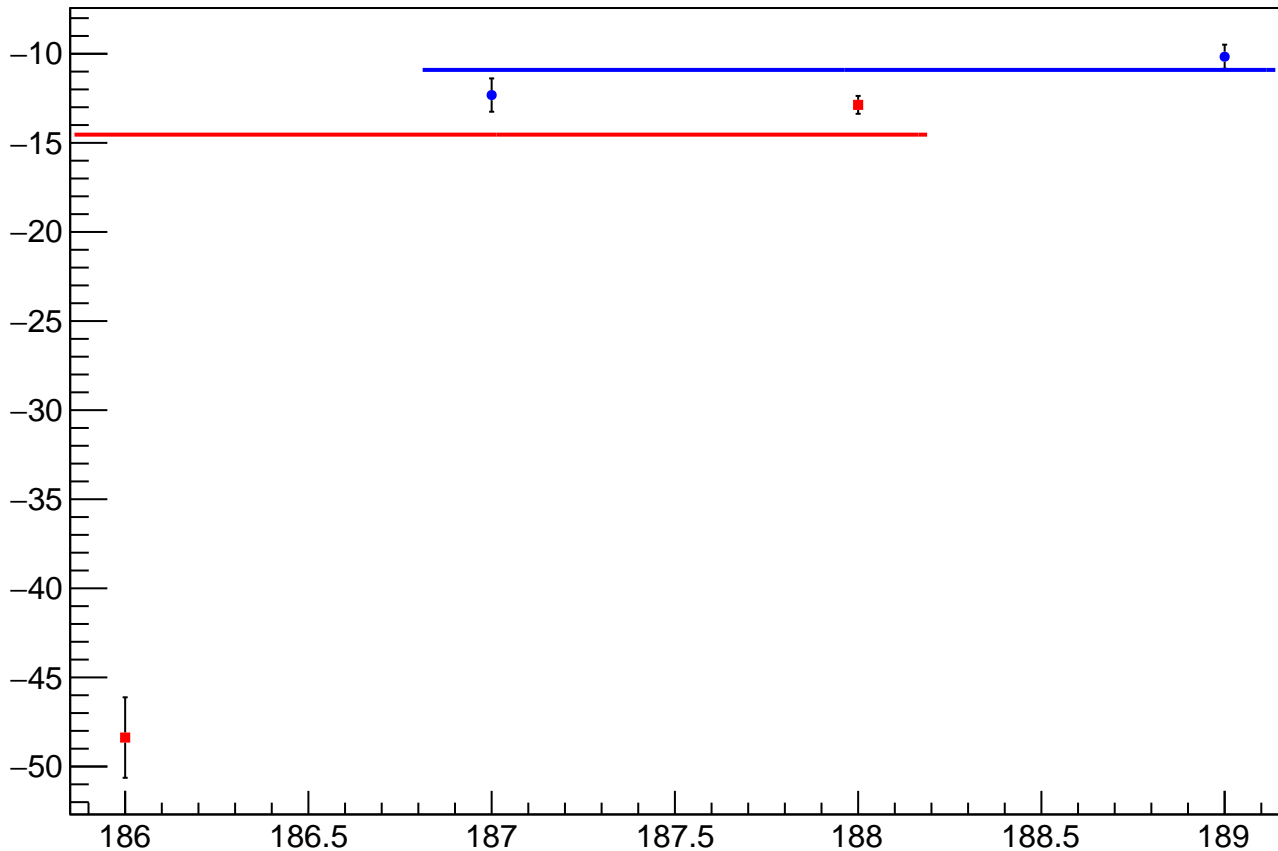
Right: -63.288+/-0.606  $\chi^2$ /NDF: 71.3/3

In: -66.018+/-0.763  $\chi^2$ /NDF:18.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -63.288+/-0.606  $\chi^2$ /NDF: 71.3/3

# reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-10.905 \pm 0.548$   $\chi^2/\text{NDF}: 3.5/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-14.538 \pm 0.490$   $\chi^2/\text{NDF}: 235.5/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

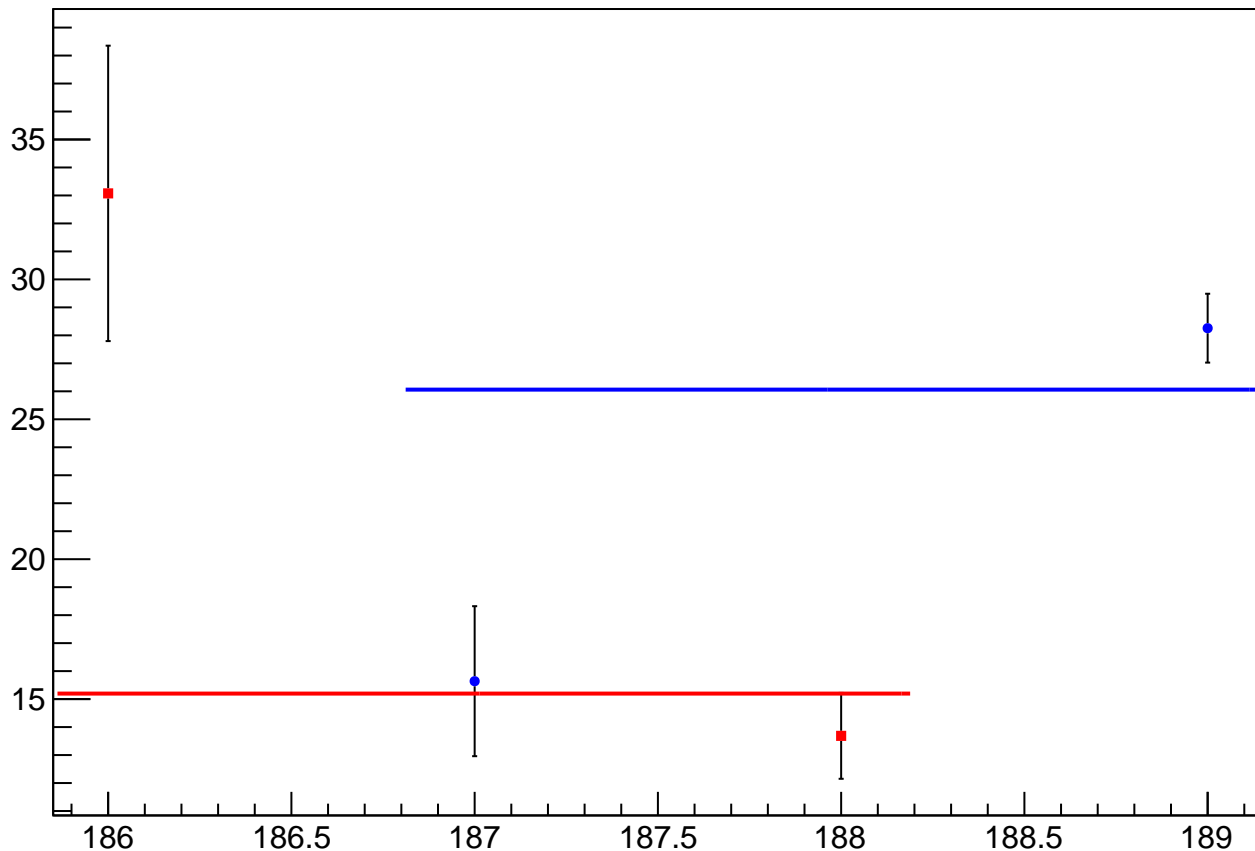
Right:  $-12.924 \pm 0.365$   $\chi^2/\text{NDF}: 263.4/3$

In:  $-10.905 \pm 0.548$   $\chi^2/\text{NDF}: 3.5/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-12.924 \pm 0.365$   $\chi^2/\text{NDF}: 263.4/3$

# reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 26.061+/-1.118  $\chi^2$ /NDF: 18.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 15.197+/-1.474  $\chi^2$ /NDF: 12.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

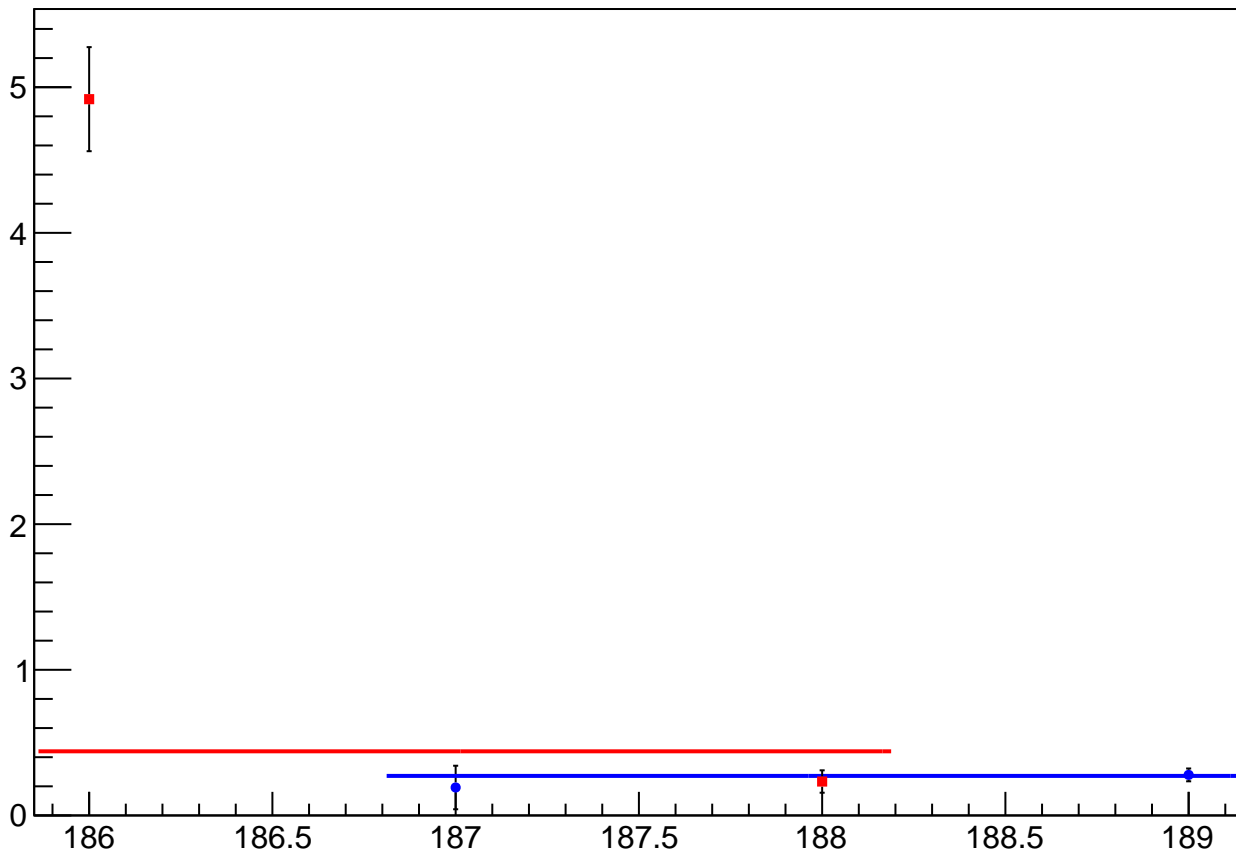
Right: 22.091+/-0.891  $\chi^2$ /NDF: 65.2/3

In: 26.061+/-1.118  $\chi^2$ /NDF:18.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 22.091+/-0.891  $\chi^2$ /NDF: 65.2/3

# reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.272+/-0.042  $\chi^2$ /NDF: 0.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.440+/-0.075  $\chi^2$ /NDF: 164.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

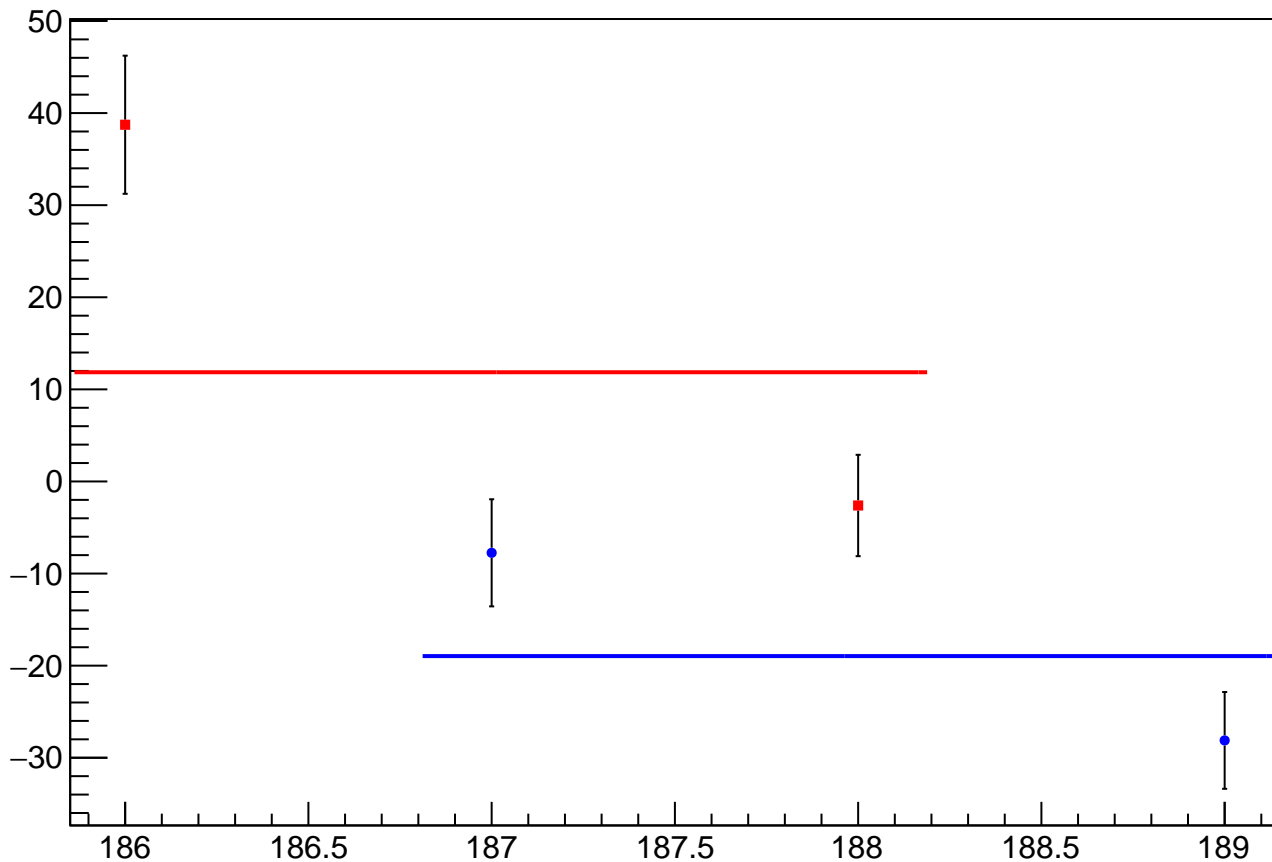
Right: 0.312+/-0.037  $\chi^2$ /NDF: 168.5/3

In: 0.272+/-0.042  $\chi^2$ /NDF:0.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.312+/-0.037  $\chi^2$ /NDF: 168.5/3

# reg\_asym\_sam2\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-18.963 \pm 3.898$   $\chi^2/\text{NDF}: 6.8/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $11.858 \pm 4.436$   $\chi^2/\text{NDF}: 19.8/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

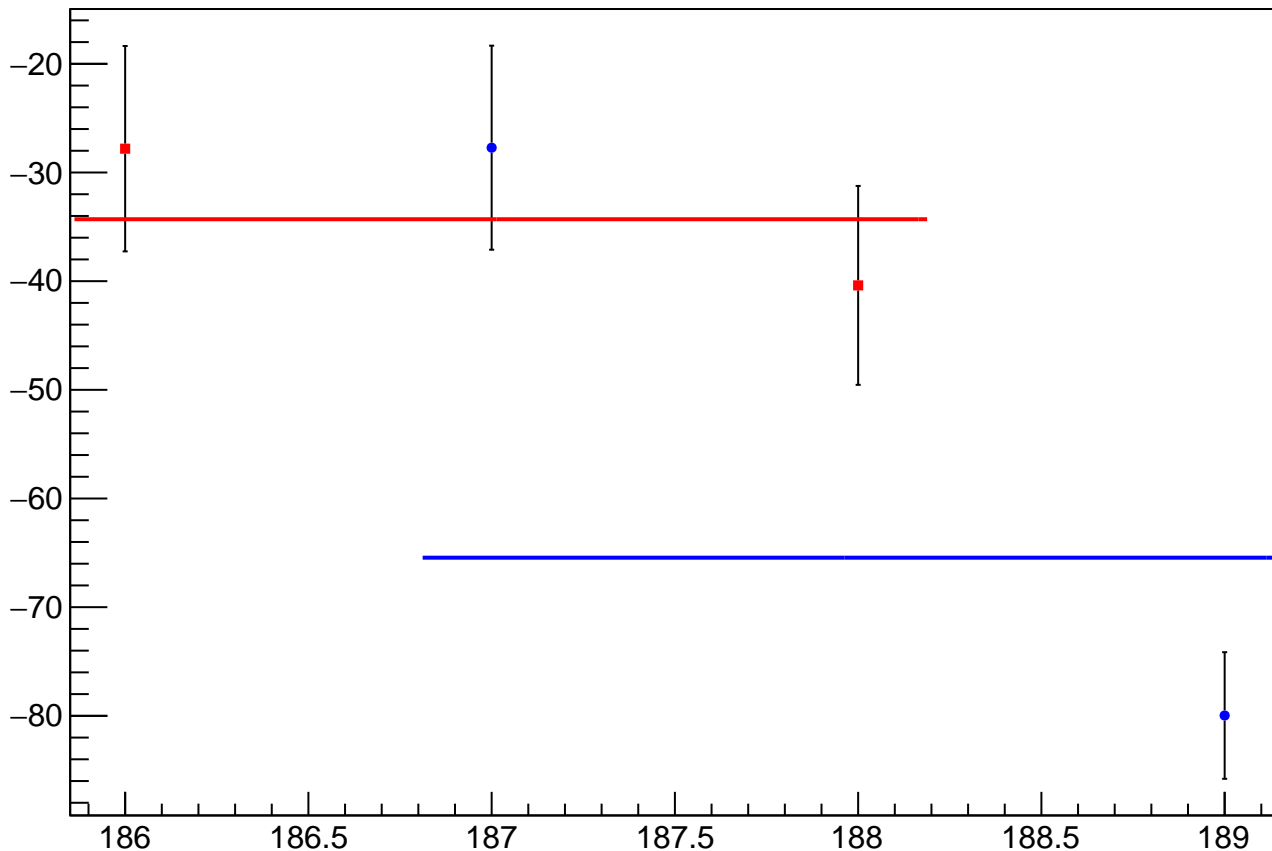
Right:  $-5.533 \pm 2.928$   $\chi^2/\text{NDF}: 53.7/3$

In:  $-18.963 \pm 3.898$   $\chi^2/\text{NDF}: 6.8/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.533 \pm 2.928$   $\chi^2/\text{NDF}: 53.7/3$

# reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -65.446±/4.950  $\chi^2$ /NDF: 22.4/1

Left Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Right Out: -34.300±/6.574  $\chi^2$ /NDF: 0.9/1

Left In: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/0.000  $\chi^2$ /NDF: 0.0/0

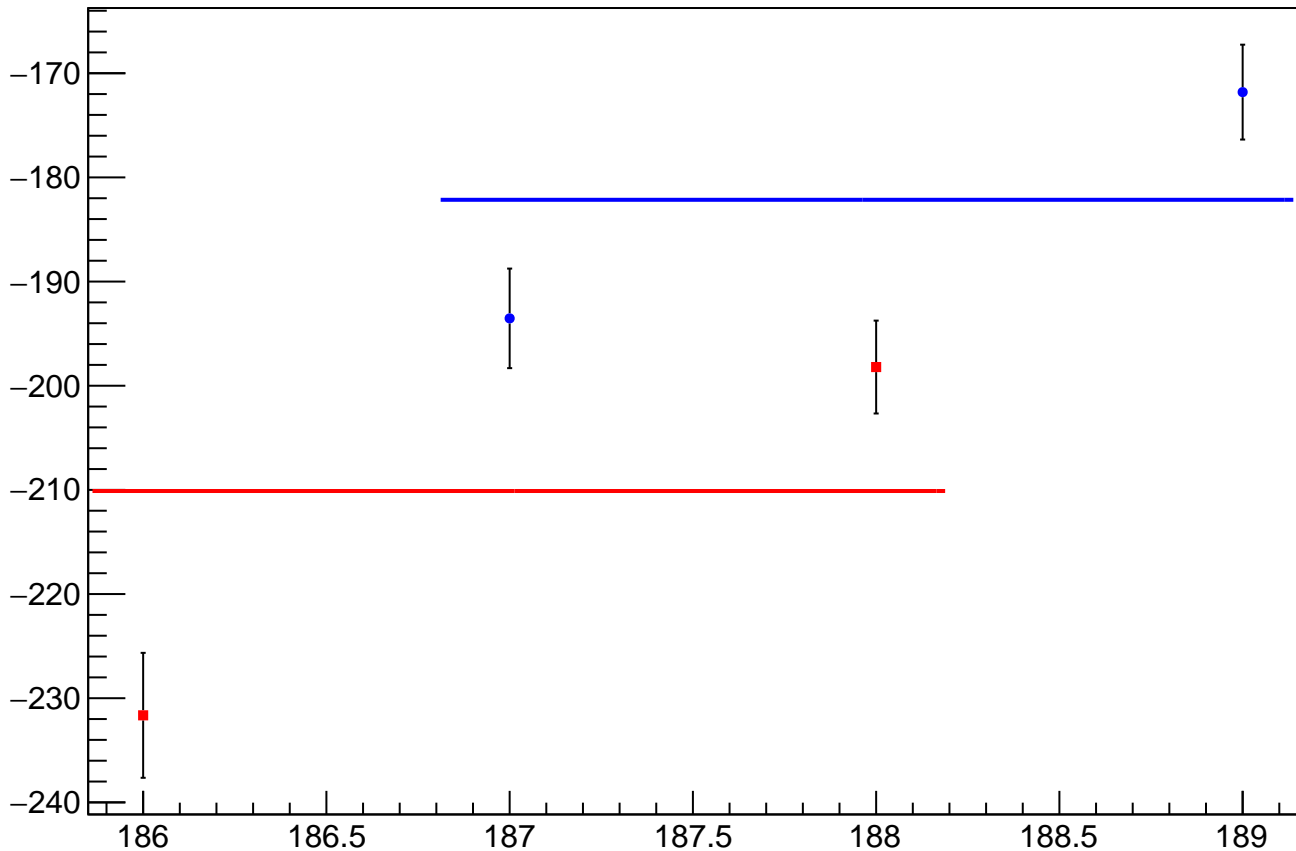
Right: -54.179±/3.954  $\chi^2$ /NDF: 37.6/3

In: -65.446±/4.950  $\chi^2$ /NDF:22.4/1

Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

All: -54.179±/3.954  $\chi^2$ /NDF: 37.6/3

# reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-182.150 \pm 3.297$   $\chi^2/\text{NDF}: 10.8/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-210.107 \pm 3.578$   $\chi^2/\text{NDF}: 20.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

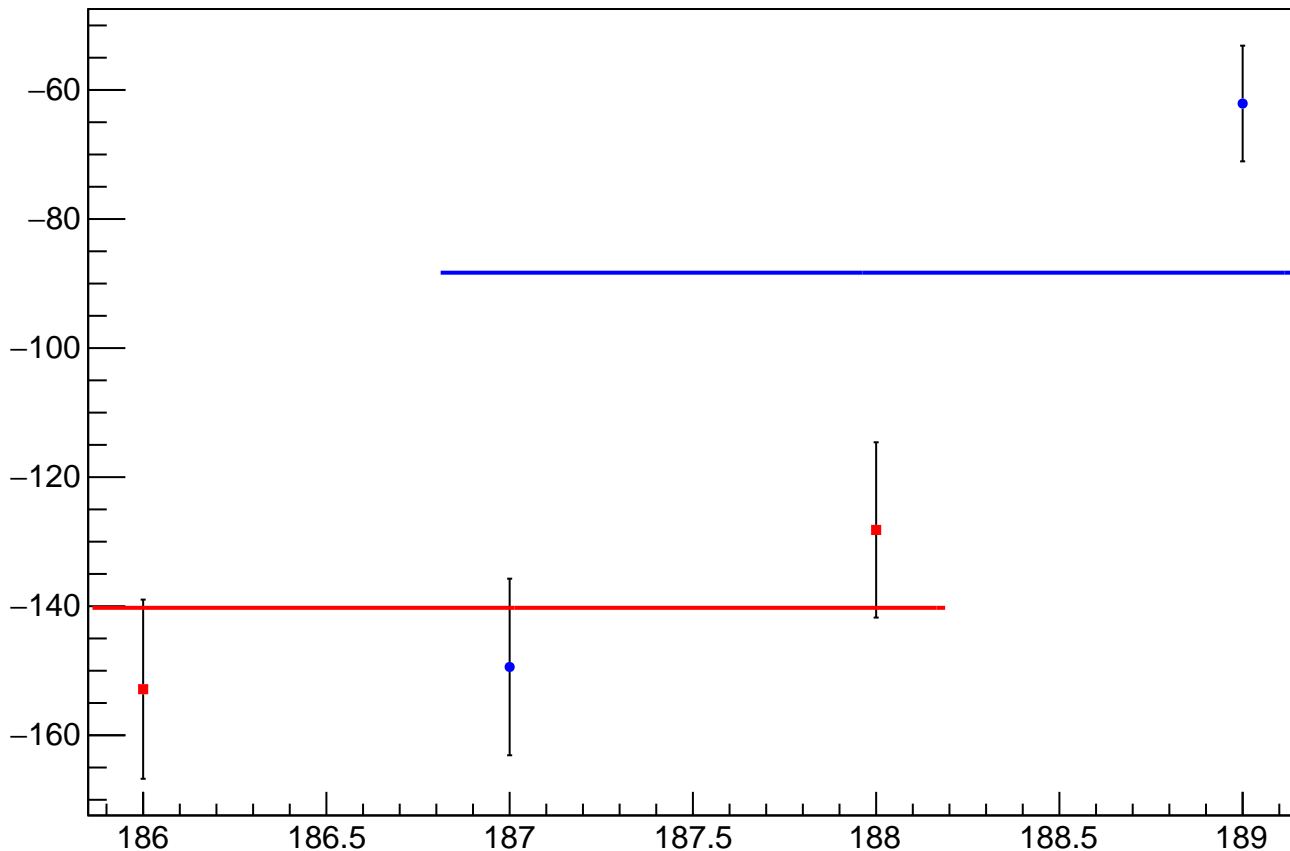
Right:  $-194.988 \pm 2.425$   $\chi^2/\text{NDF}: 63.9/3$

In:  $-182.150 \pm 3.297$   $\chi^2/\text{NDF}: 10.8/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-194.988 \pm 2.425$   $\chi^2/\text{NDF}: 63.9/3$

# reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-88.315 \pm 7.499$   $\chi^2/\text{NDF}: 28.5/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-140.250 \pm 9.710$   $\chi^2/\text{NDF}: 1.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-107.718 \pm 5.935$   $\chi^2/\text{NDF}: 48.0/3$

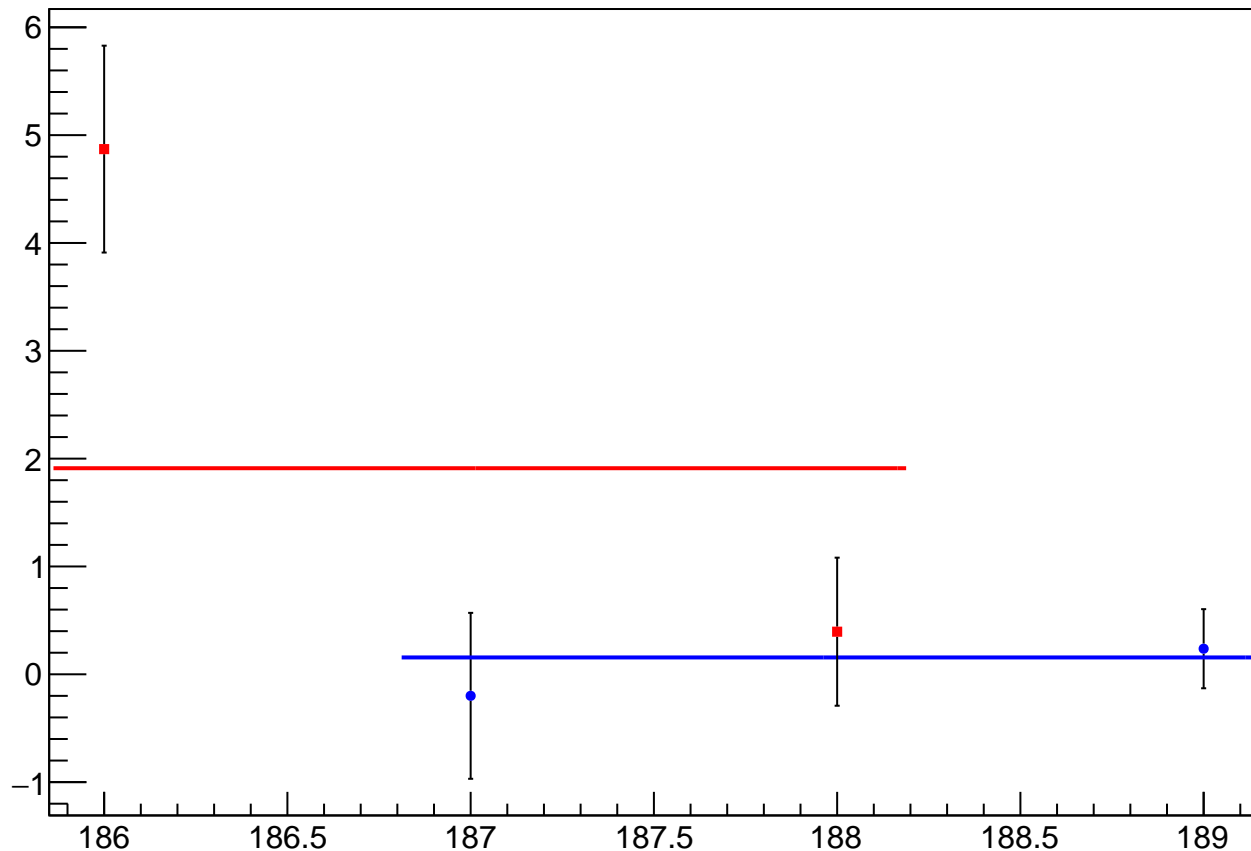
In:  $-88.315 \pm 7.499$   $\chi^2/\text{NDF}: 28.5/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-107.718 \pm 5.935$   $\chi^2/\text{NDF}: 48.0/3$



# reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.156+/-0.331  $\chi^2/\text{NDF}$ : 0.3/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.911+/-0.558  $\chi^2/\text{NDF}$ : 14.4/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

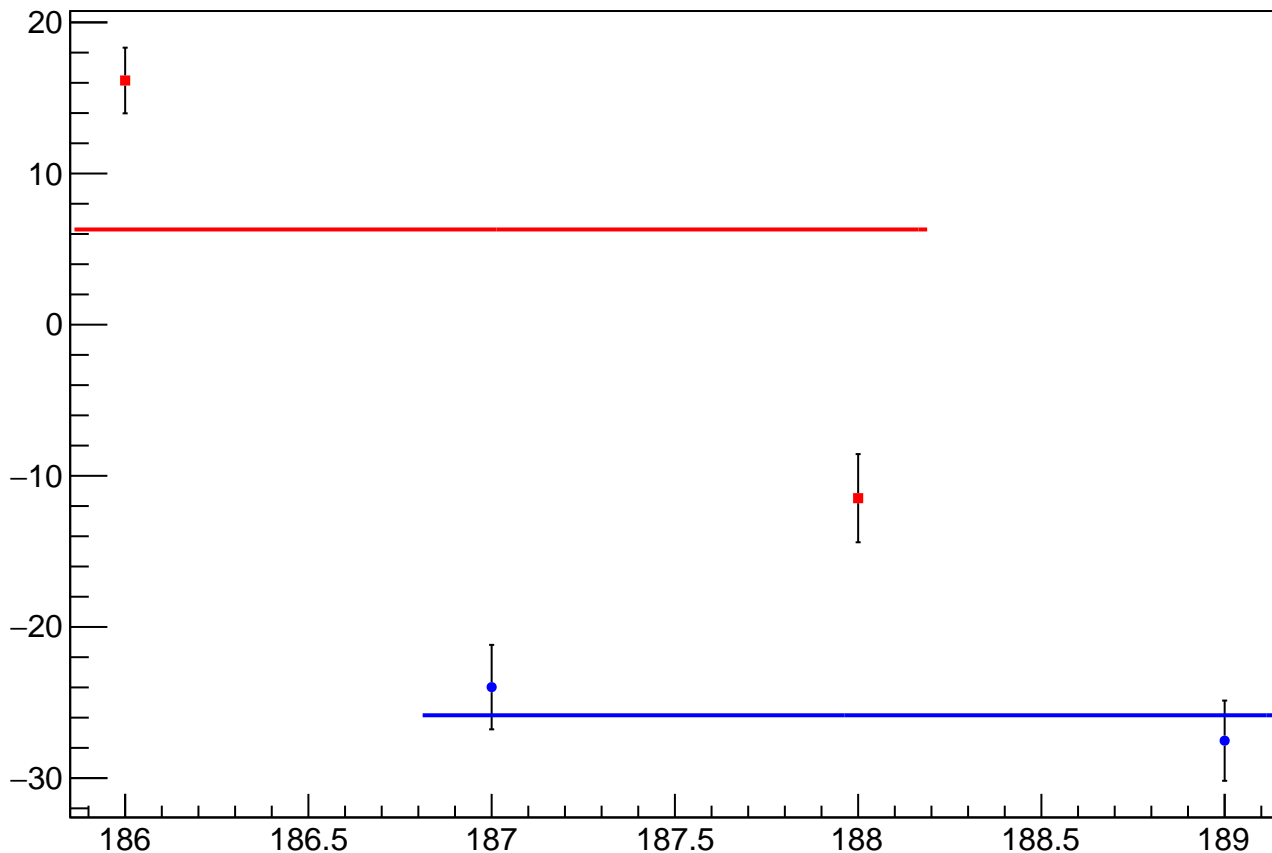
Right: 0.613+/-0.285  $\chi^2/\text{NDF}$ : 22.0/3

In: 0.156+/-0.331  $\chi^2/\text{NDF}$ : 0.3/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.613+/-0.285  $\chi^2/\text{NDF}$ : 22.0/3

# reg\_asym\_sam3\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-25.843 \pm 1.924$   $\chi^2/\text{NDF}: 0.8/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $6.299 \pm 1.742$   $\chi^2/\text{NDF}: 57.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

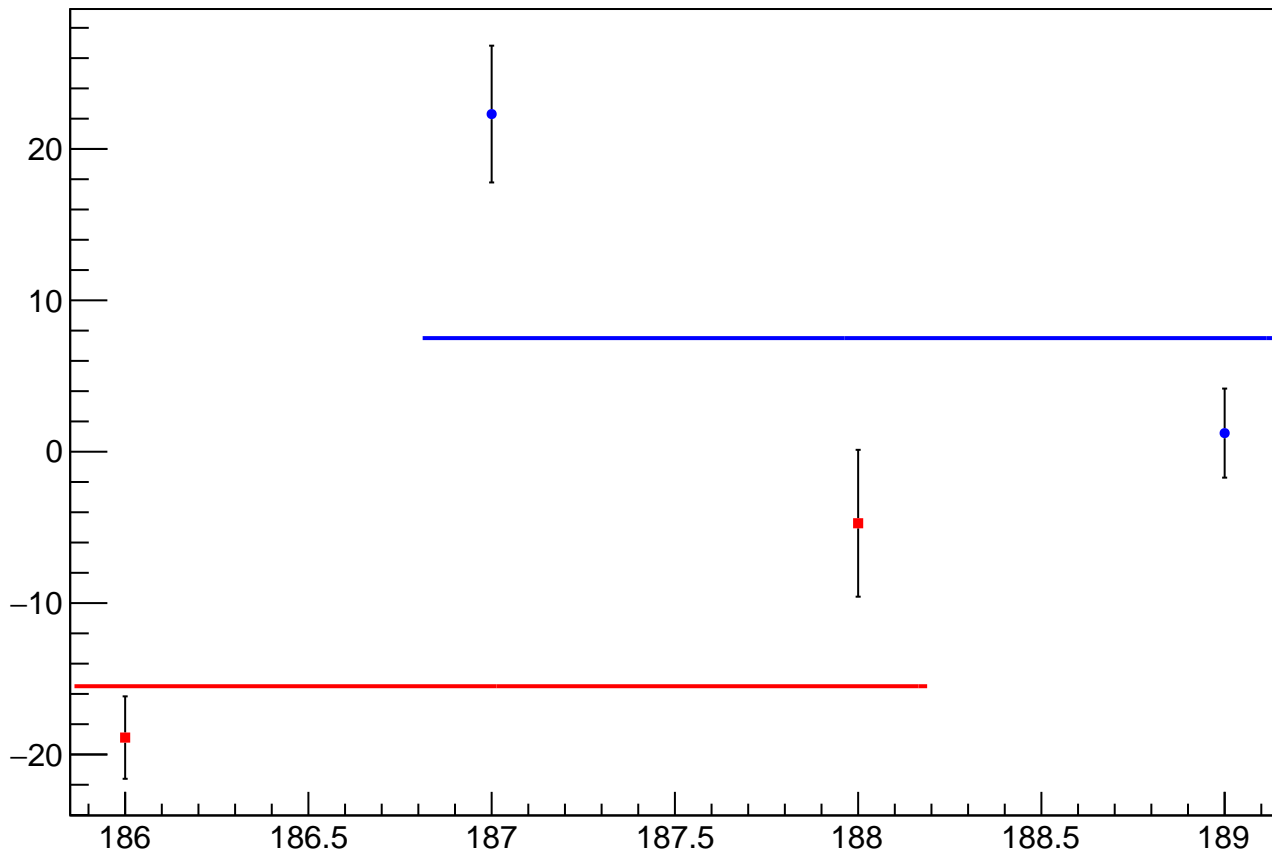
Right:  $-8.183 \pm 1.291$   $\chi^2/\text{NDF}: 211.9/3$

In:  $-25.843 \pm 1.924$   $\chi^2/\text{NDF}: 0.8/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-8.183 \pm 1.291$   $\chi^2/\text{NDF}: 211.9/3$

reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.504+/-2.465  $\chi^2$ /NDF: 15.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -15.492+/-2.374  $\chi^2$ /NDF: 6.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

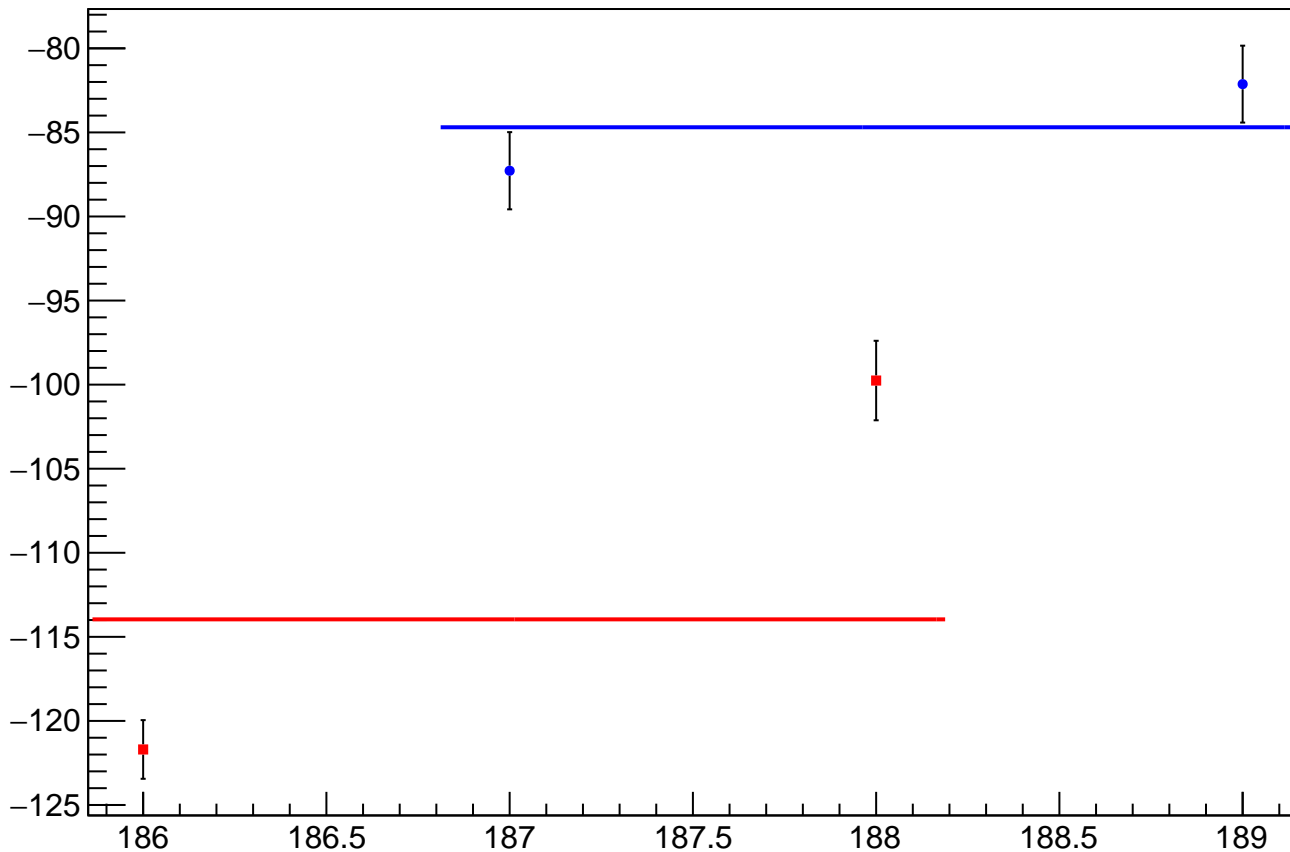
Right: -4.425+/-1.710  $\chi^2$ /NDF: 66.9/3

In: 7.504+/-2.465  $\chi^2$ /NDF:15.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -4.425+/-1.710  $\chi^2$ /NDF: 66.9/3

# reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-84.694 \pm 1.620$   $\chi^2/\text{NDF}: 2.5/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-113.960 \pm 1.404$   $\chi^2/\text{NDF}: 55.8/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

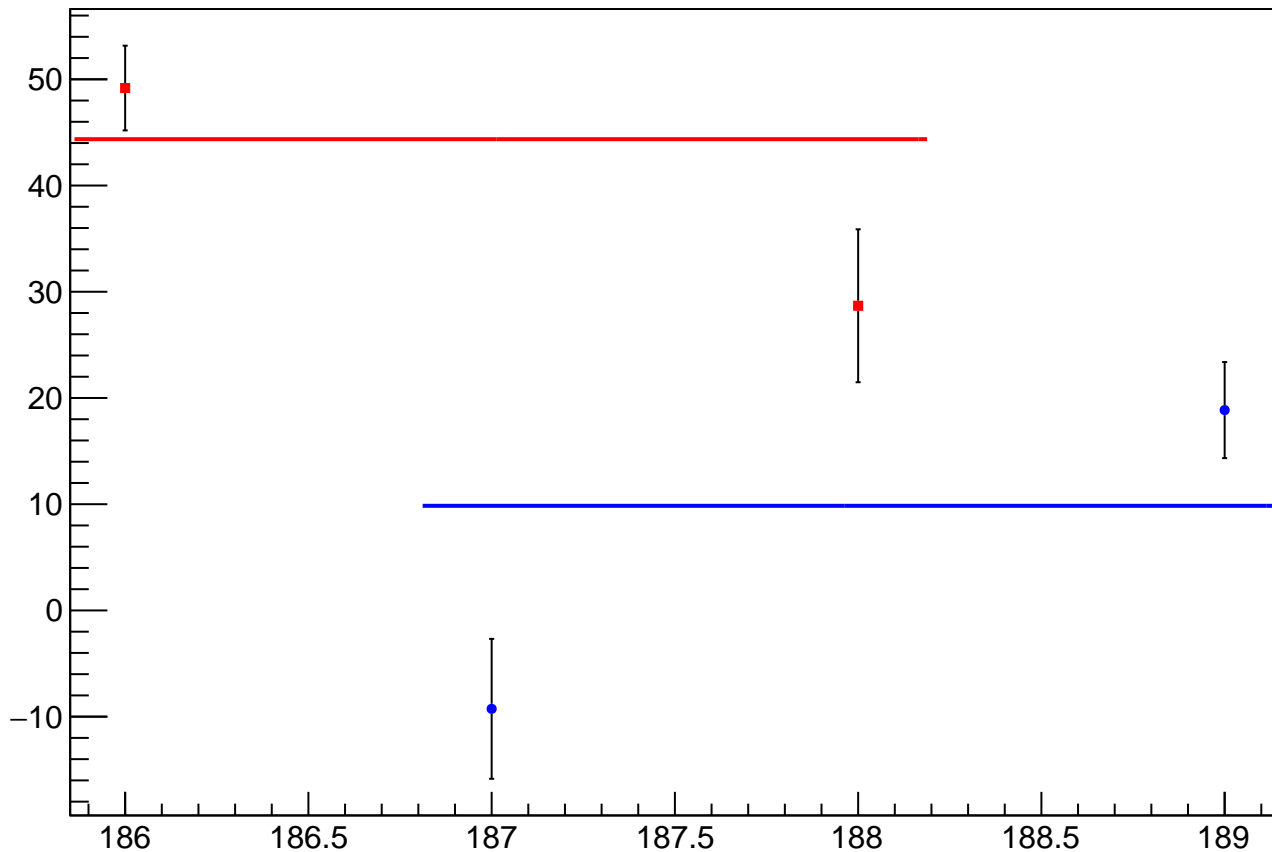
Right:  $-101.412 \pm 1.061$   $\chi^2/\text{NDF}: 244.6/3$

In:  $-84.694 \pm 1.620$   $\chi^2/\text{NDF}: 2.5/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-101.412 \pm 1.061$   $\chi^2/\text{NDF}: 244.6/3$

# reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 9.849+/-3.728  $\chi^2$ /NDF: 12.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 44.364+/-3.489  $\chi^2$ /NDF: 6.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

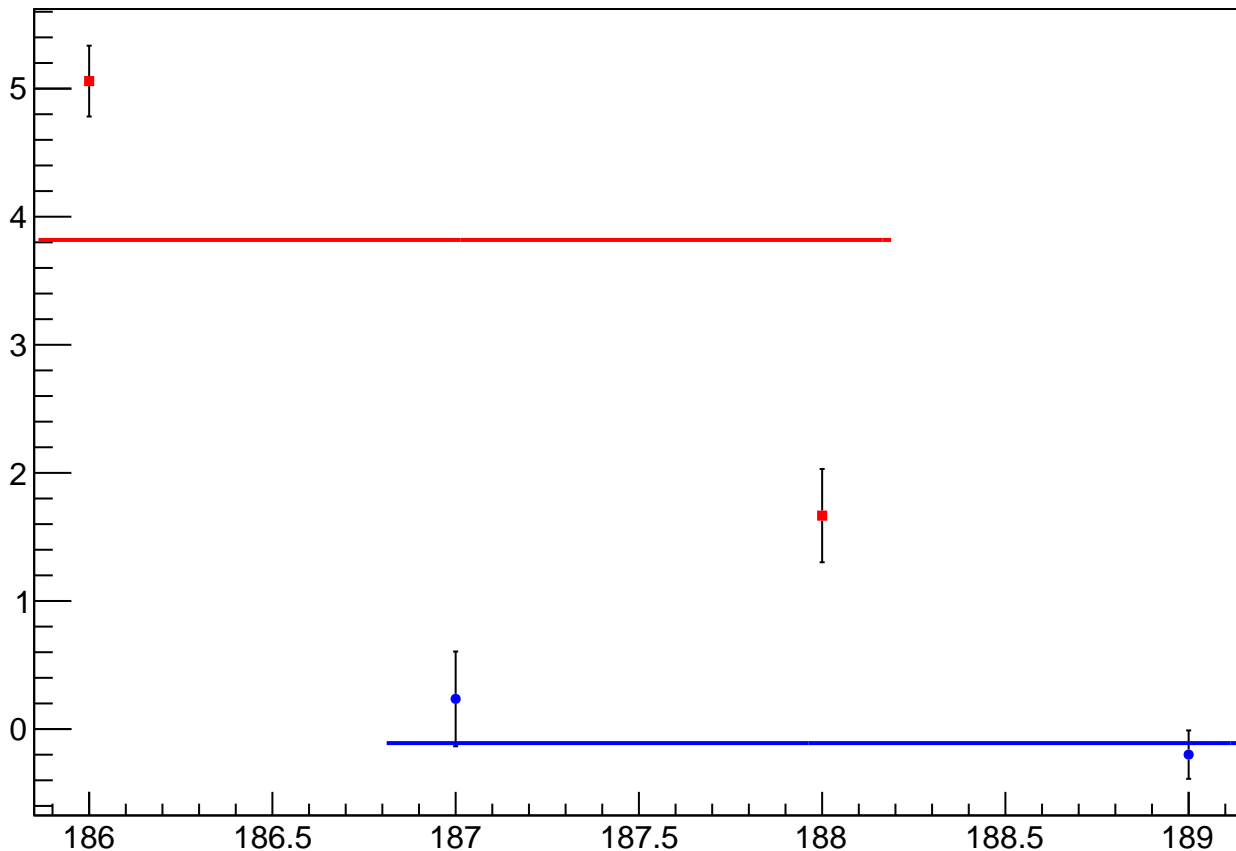
Right: 28.251+/-2.547  $\chi^2$ /NDF: 64.3/3

In: 9.849+/-3.728  $\chi^2$ /NDF:12.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 28.251+/-2.547  $\chi^2$ /NDF: 64.3/3

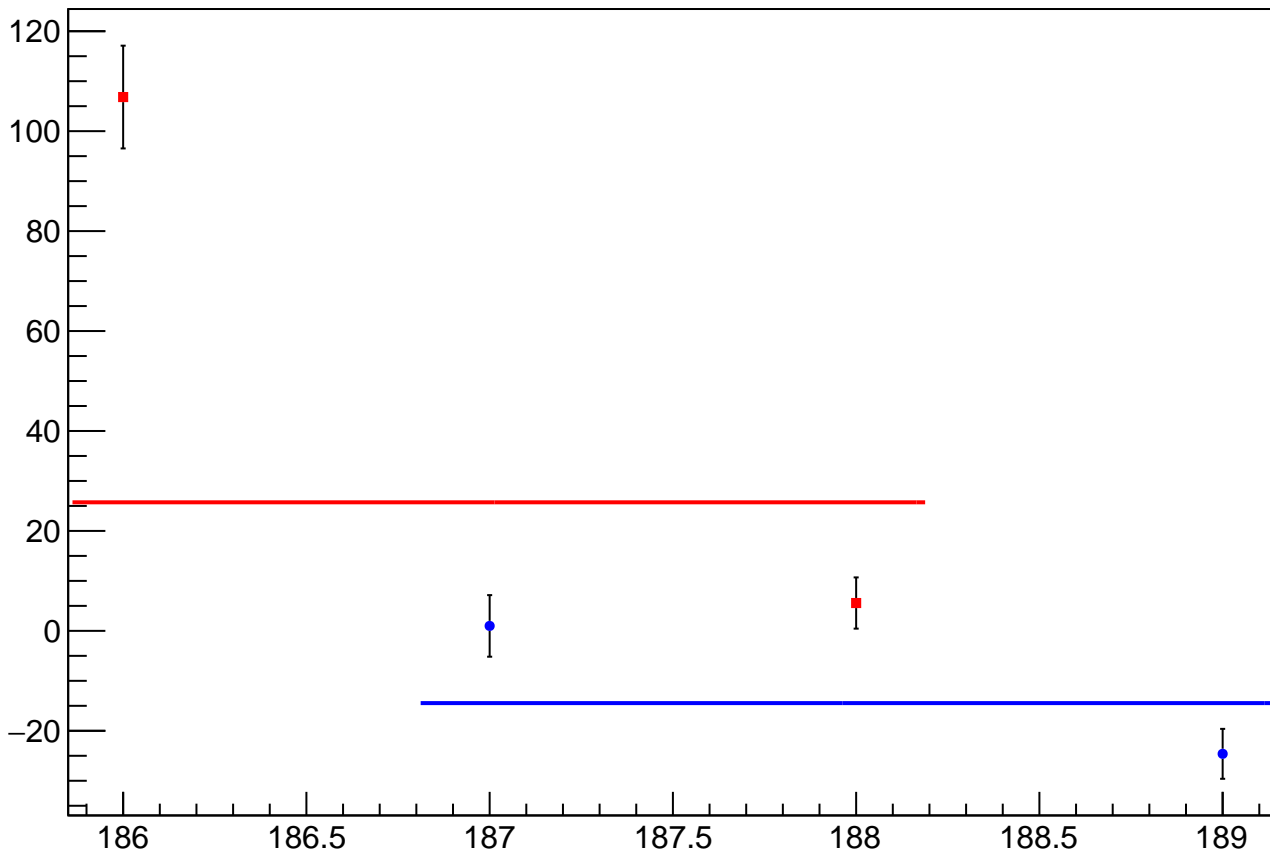
# reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.110 \pm 0.168$   $\chi^2/\text{NDF}: 1.1/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $3.819 \pm 0.220$   $\chi^2/\text{NDF}: 55.1/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $1.338 \pm 0.134$   $\chi^2/\text{NDF}: 257.3/3$   
 In:  $-0.110 \pm 0.168$   $\chi^2/\text{NDF}: 1.1/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $1.338 \pm 0.134$   $\chi^2/\text{NDF}: 257.3/3$

# reg\_asym\_sam4\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-14.457 \pm 3.881$   $\chi^2/\text{NDF}: 10.4/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $25.725 \pm 4.587$   $\chi^2/\text{NDF}: 77.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

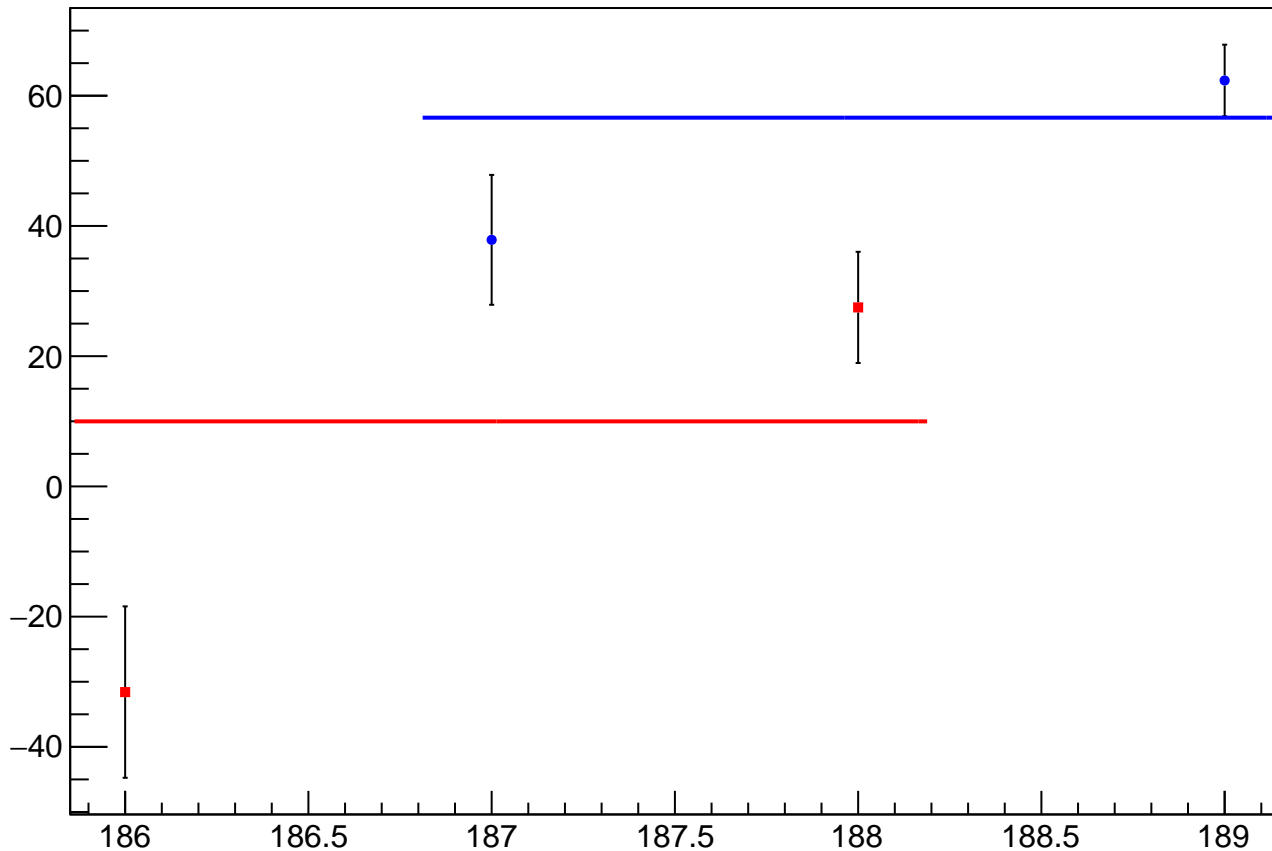
Right:  $2.307 \pm 2.963$   $\chi^2/\text{NDF}: 132.8/3$

In:  $-14.457 \pm 3.881$   $\chi^2/\text{NDF}: 10.4/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $2.307 \pm 2.963$   $\chi^2/\text{NDF}: 132.8/3$

# reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 56.628+/-4.818  $\chi^2$ /NDF: 4.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 9.987+/-7.164  $\chi^2$ /NDF: 14.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 42.105+/-3.998  $\chi^2$ /NDF: 48.0/3

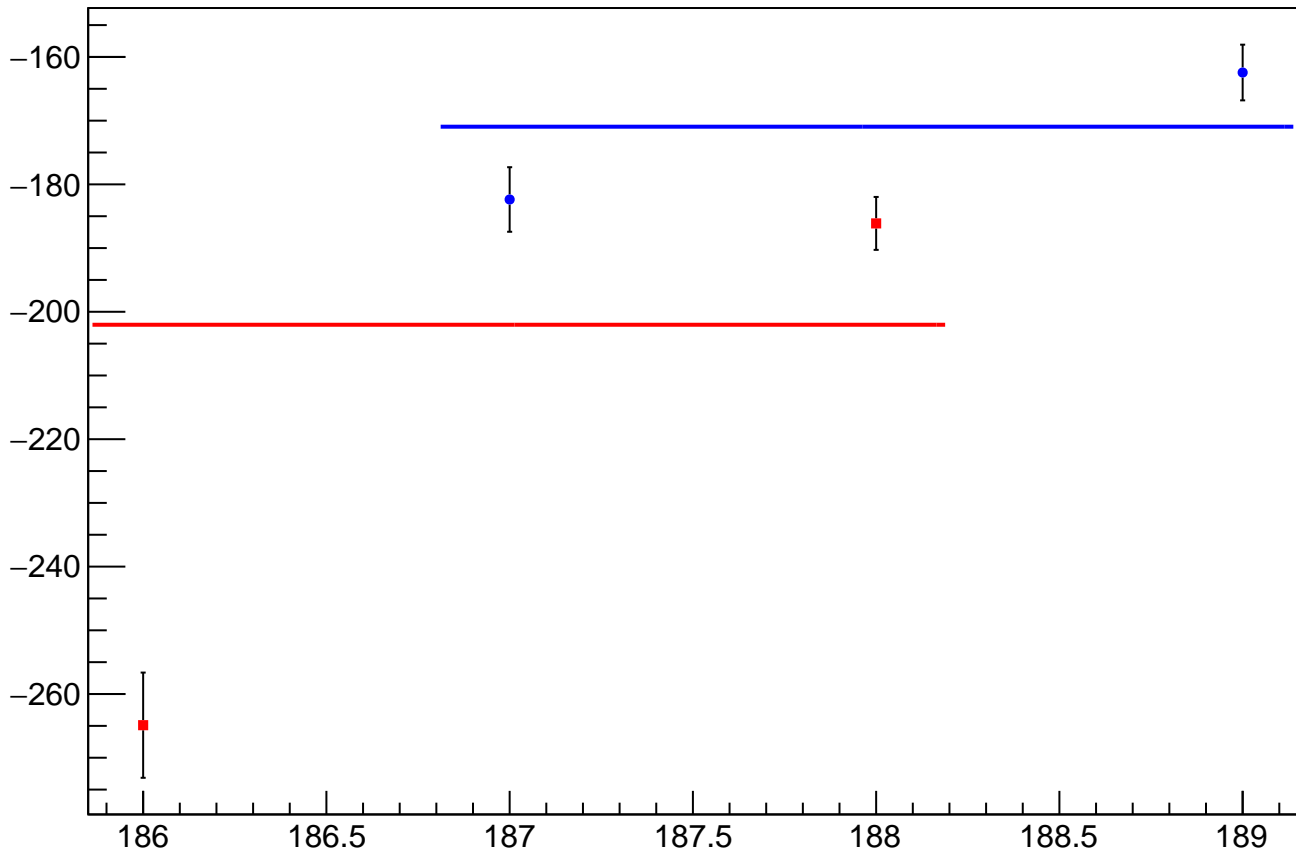
In: 56.628+/-4.818  $\chi^2$ /NDF:4.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 42.105+/-3.998  $\chi^2$ /NDF: 48.0/3



# reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -170.947+/-3.310  $\chi^2$ /NDF: 8.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -202.036+/-3.711  $\chi^2$ /NDF: 72.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

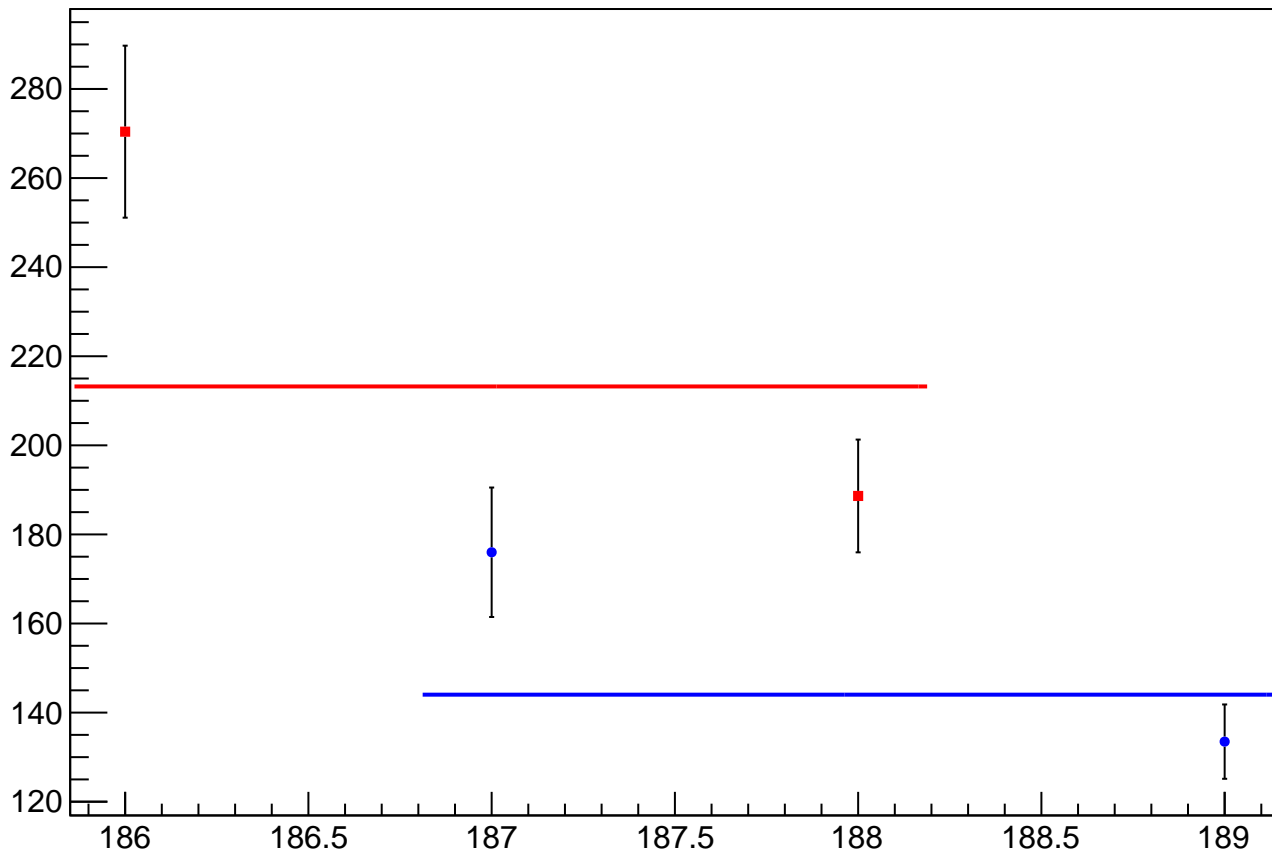
Right: -184.722+/-2.470  $\chi^2$ /NDF: 120.6/3

In: -170.947+/-3.310  $\chi^2$ /NDF:8.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -184.722+/-2.470  $\chi^2$ /NDF: 120.6/3

# reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 144.026+/-7.236  $\chi^2$ /NDF: 6.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 213.218+/-10.586  $\chi^2$ /NDF: 12.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

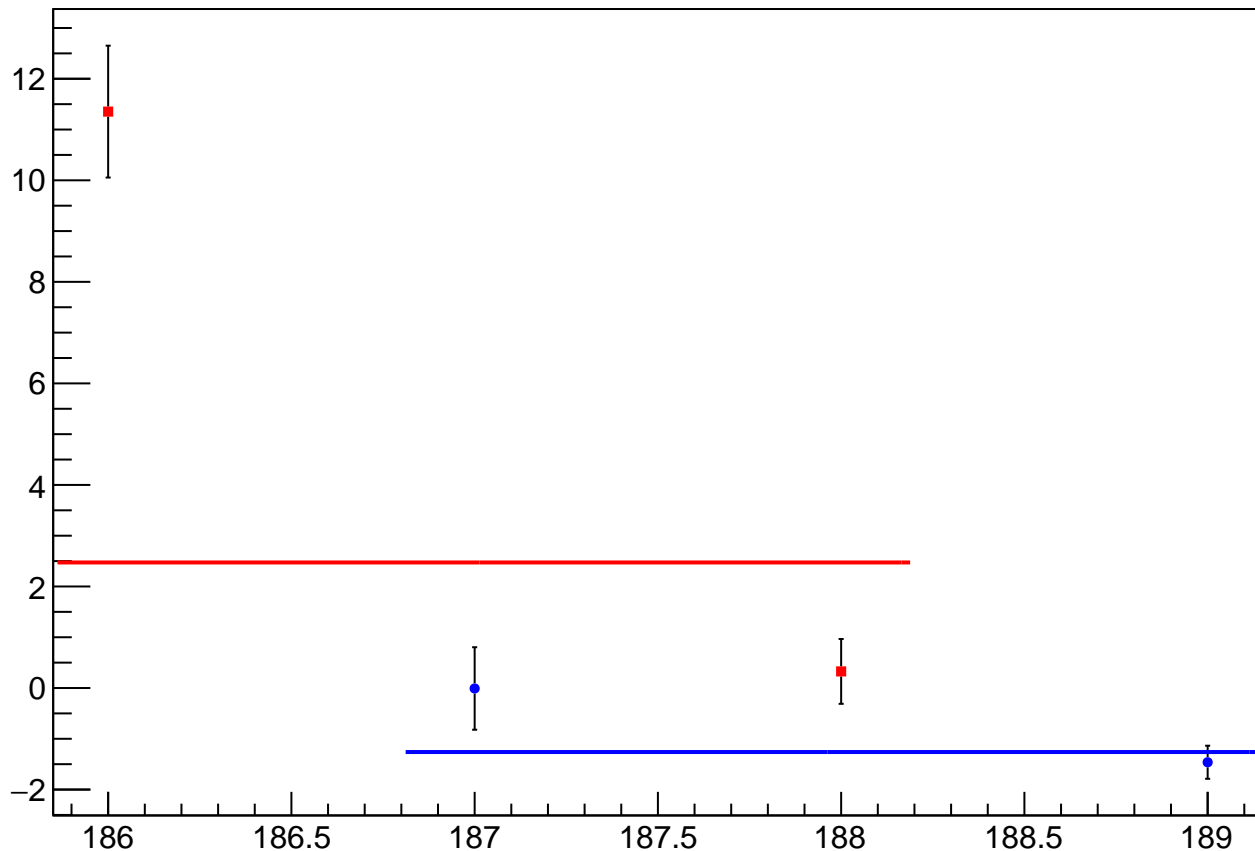
Right: 166.062+/-5.974  $\chi^2$ /NDF: 48.1/3

In: 144.026+/-7.236  $\chi^2$ /NDF:6.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 166.062+/-5.974  $\chi^2$ /NDF: 48.1/3

# reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.261+/-0.302  $\chi^2$ /NDF: 2.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.473+/-0.573  $\chi^2$ /NDF: 58.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

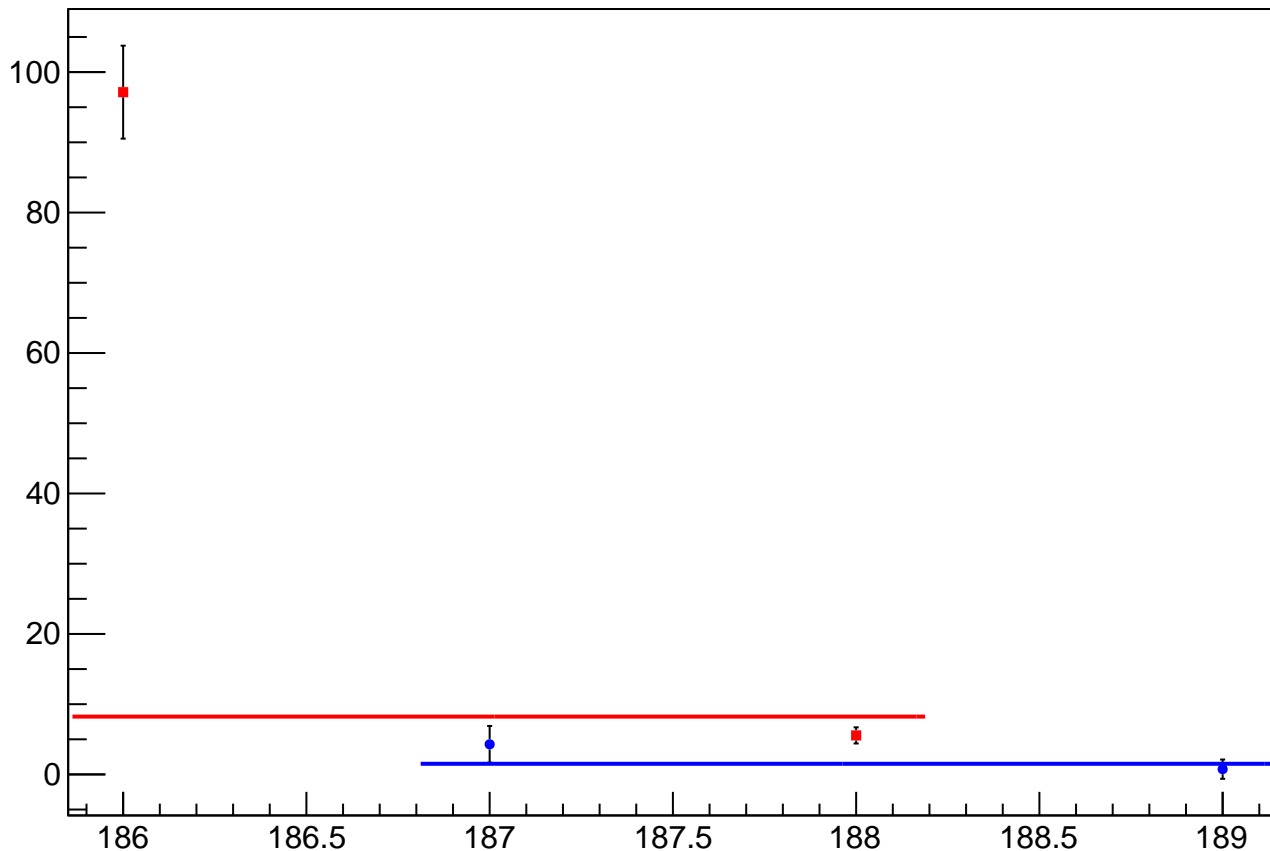
Right: -0.447+/-0.267  $\chi^2$ /NDF: 94.0/3

In: -1.261+/-0.302  $\chi^2$ /NDF:2.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -0.447+/-0.267  $\chi^2$ /NDF: 94.0/3

# reg\_asym\_sam5\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 1.515+/-1.216  $\chi^2$ /NDF: 1.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.233+/-1.132  $\chi^2$ /NDF: 185.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

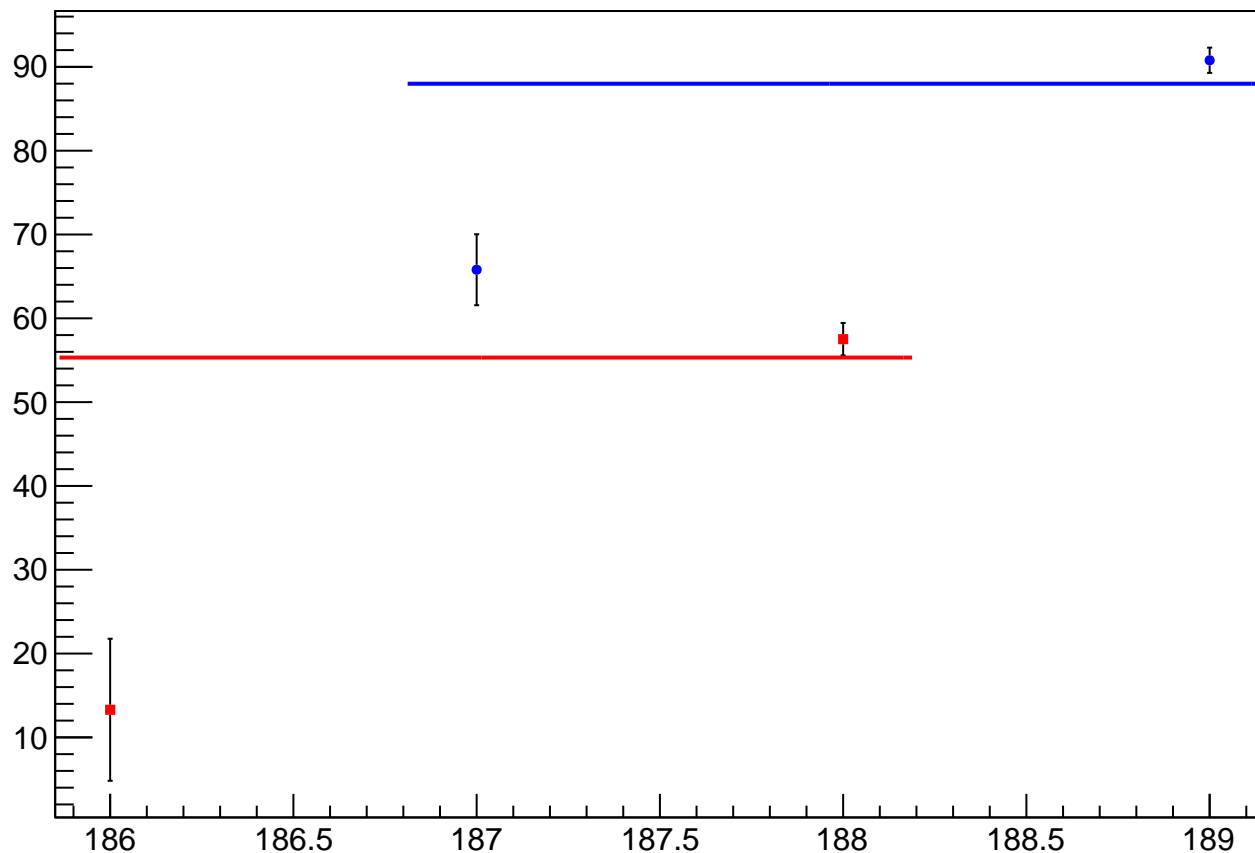
Right: 5.114+/-0.828  $\chi^2$ /NDF: 203.6/3

In: 1.515+/-1.216  $\chi^2$ /NDF:1.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 5.114+/-0.828  $\chi^2$ /NDF: 203.6/3

# reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 87.990+/-1.417  $\chi^2$ /NDF: 30.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 55.316+/-1.888  $\chi^2$ /NDF: 25.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

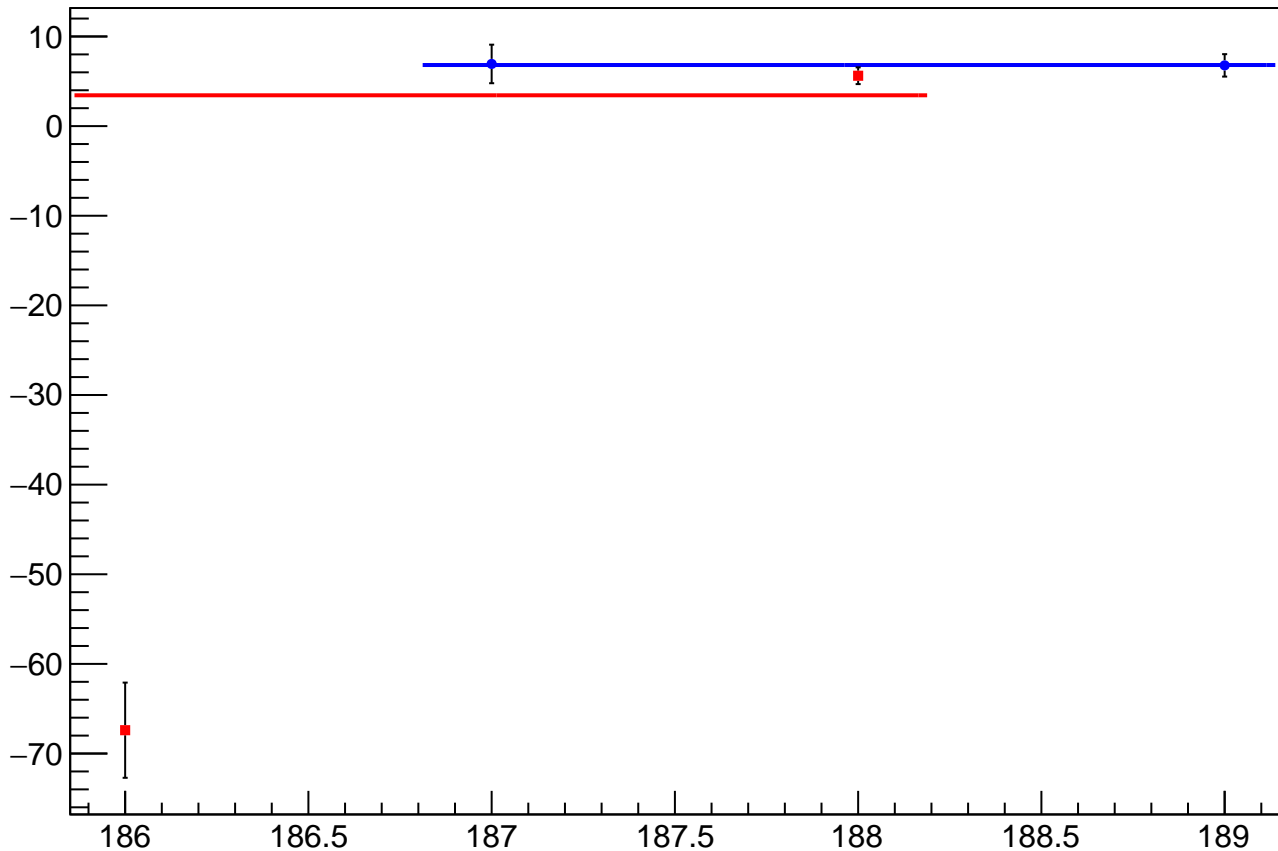
Right: 76.213+/-1.134  $\chi^2$ /NDF: 248.3/3

In: 87.990+/-1.417  $\chi^2$ /NDF:30.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 76.213+/-1.134  $\chi^2$ /NDF: 248.3/3

reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.816+/-1.082  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.438+/-0.918  $\chi^2/\text{NDF}$ : 183.4/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

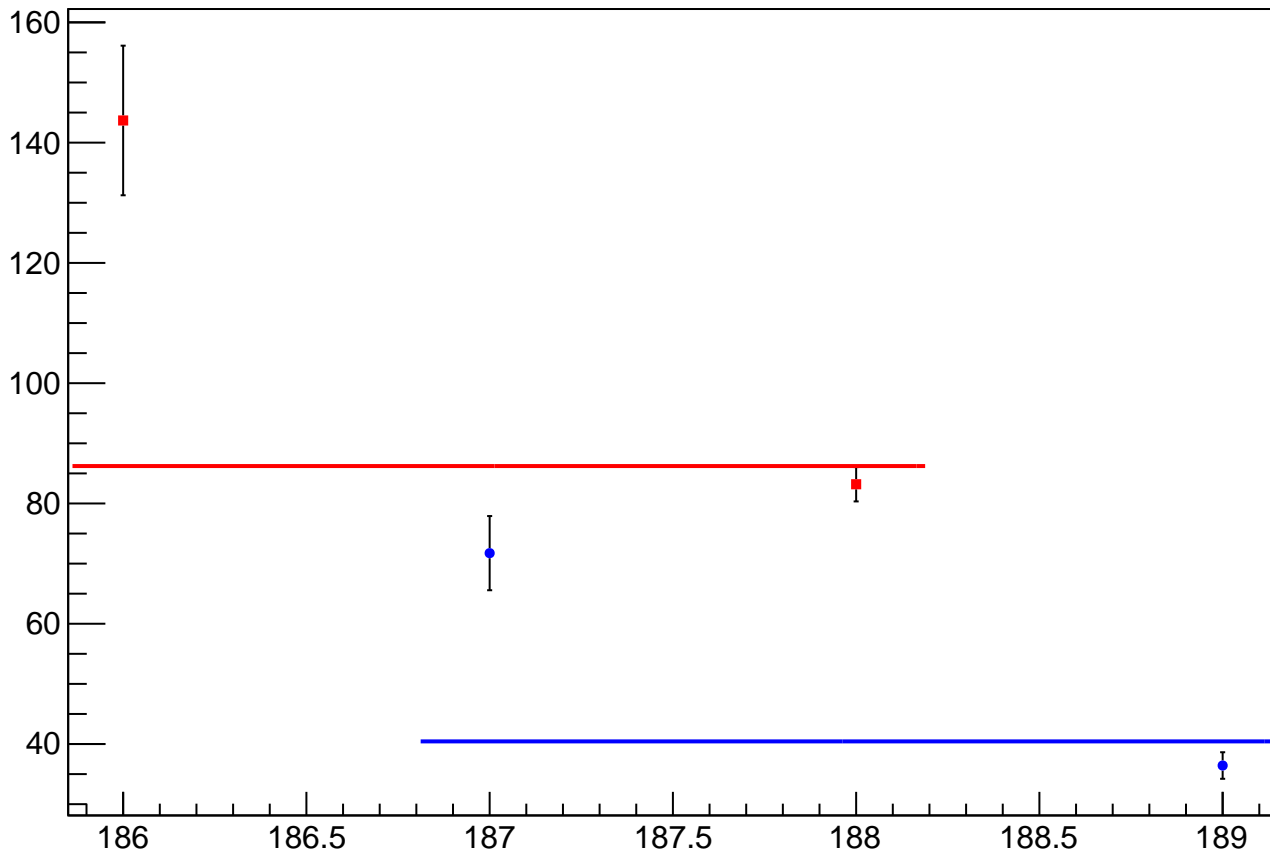
Right: 4.852+/-0.700  $\chi^2/\text{NDF}$ : 189.1/3

In: 6.816+/-1.082  $\chi^2/\text{NDF}$ : 0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.852+/-0.700  $\chi^2/\text{NDF}$ : 189.1/3

# reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 40.438+/-2.079  $\chi^2$ /NDF: 29.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 86.221+/-2.782  $\chi^2$ /NDF: 22.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

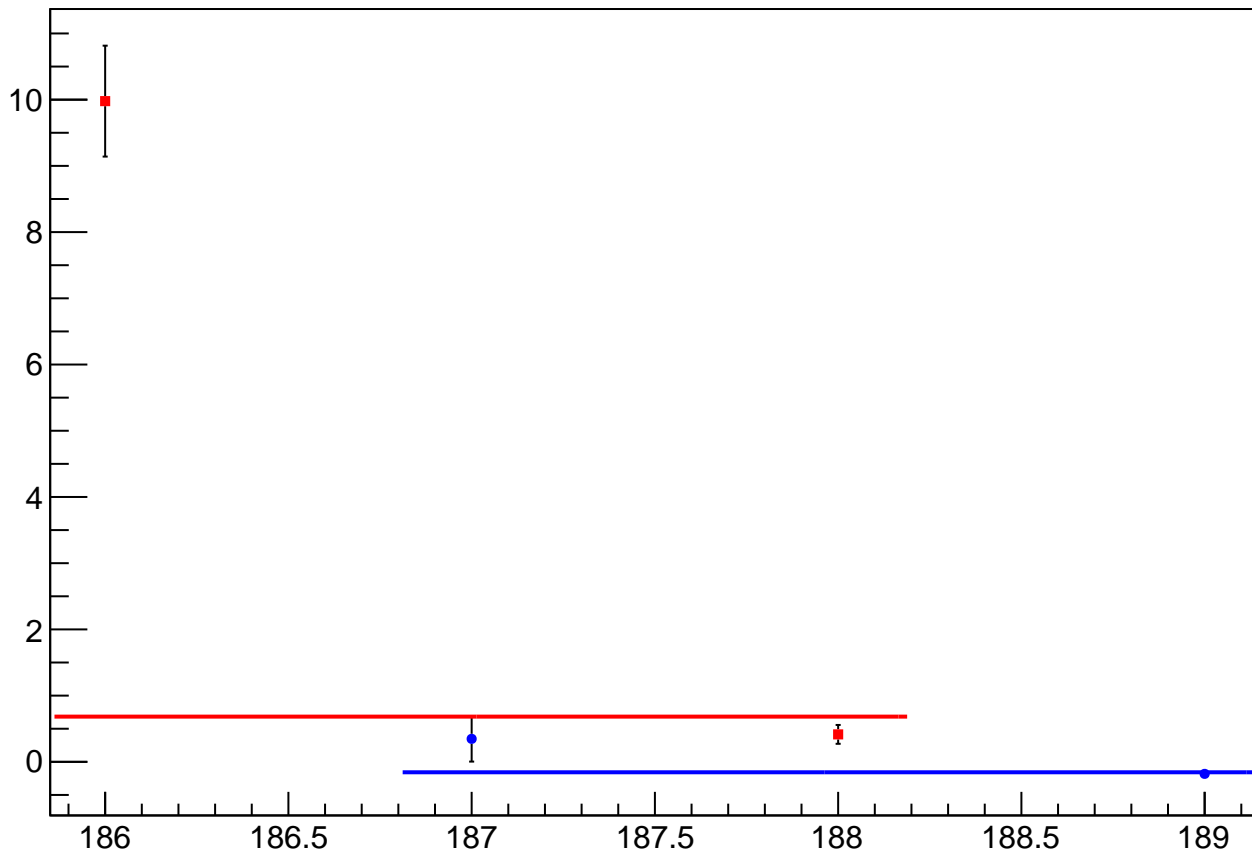
Right: 56.846+/-1.665  $\chi^2$ /NDF: 225.3/3

In: 40.438+/-2.079  $\chi^2$ /NDF:29.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 56.846+/-1.665  $\chi^2$ /NDF: 225.3/3

# reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.158 \pm 0.073$   $\chi^2/\text{NDF}: 2.3/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $0.683 \pm 0.140$   $\chi^2/\text{NDF}: 126.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $0.021 \pm 0.065$   $\chi^2/\text{NDF}: 157.3/3$

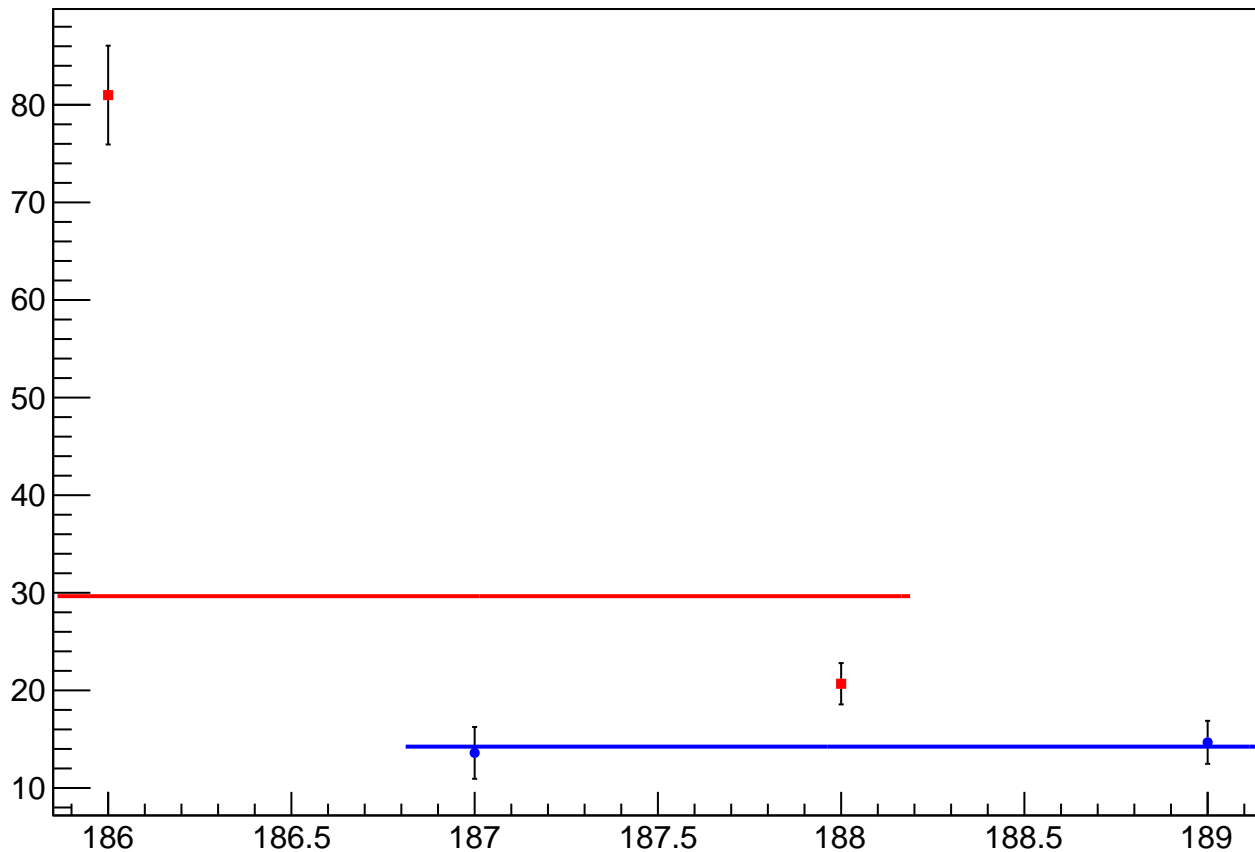
In:  $-0.158 \pm 0.073$   $\chi^2/\text{NDF}: 2.3/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $0.021 \pm 0.065$   $\chi^2/\text{NDF}: 157.3/3$



# reg\_asym\_sam6\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 14.236+/-1.695  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 29.652+/-1.952  $\chi^2$ /NDF: 120.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

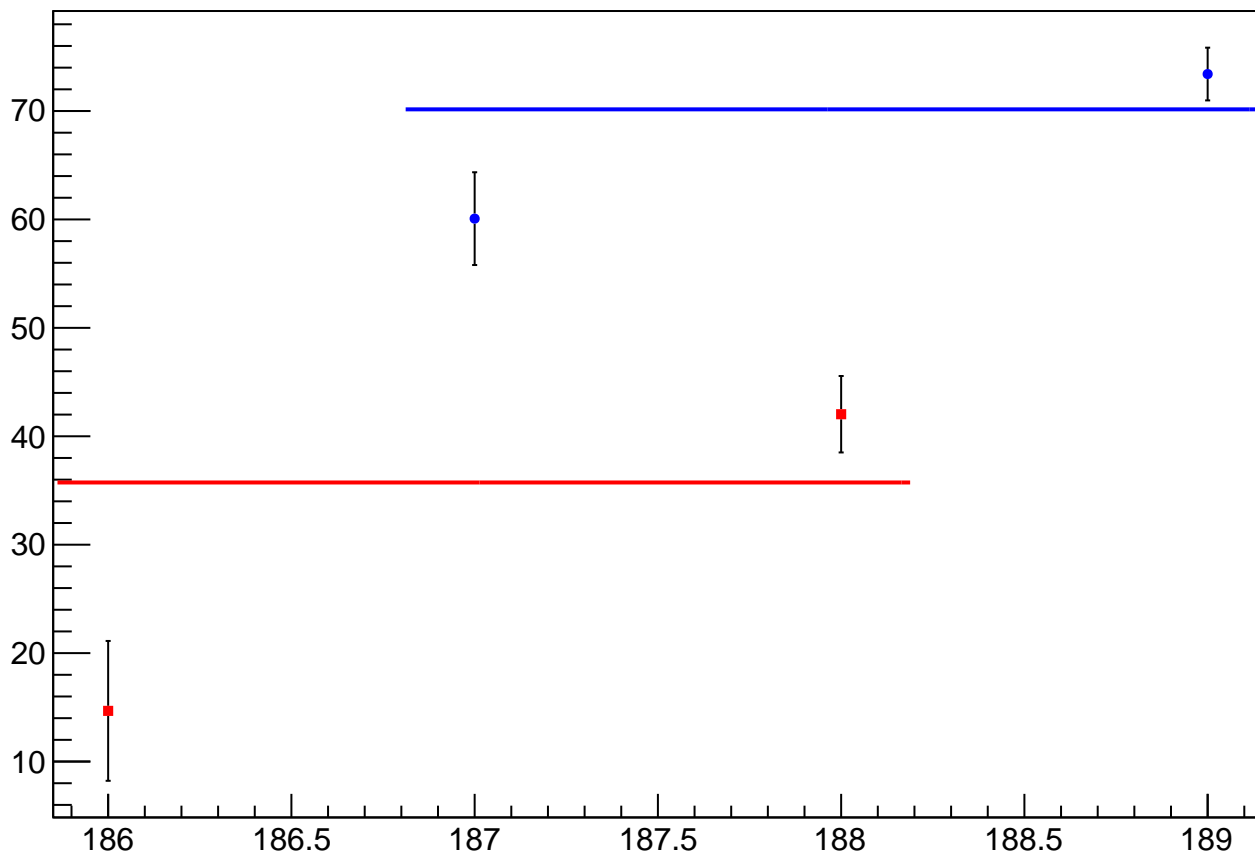
Right: 20.863+/-1.280  $\chi^2$ /NDF: 156.5/3

In: 14.236+/-1.695  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 20.863+/-1.280  $\chi^2$ /NDF: 156.5/3

# reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 70.154+/-2.114  $\chi^2$ /NDF: 7.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 35.739+/-3.093  $\chi^2$ /NDF: 13.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

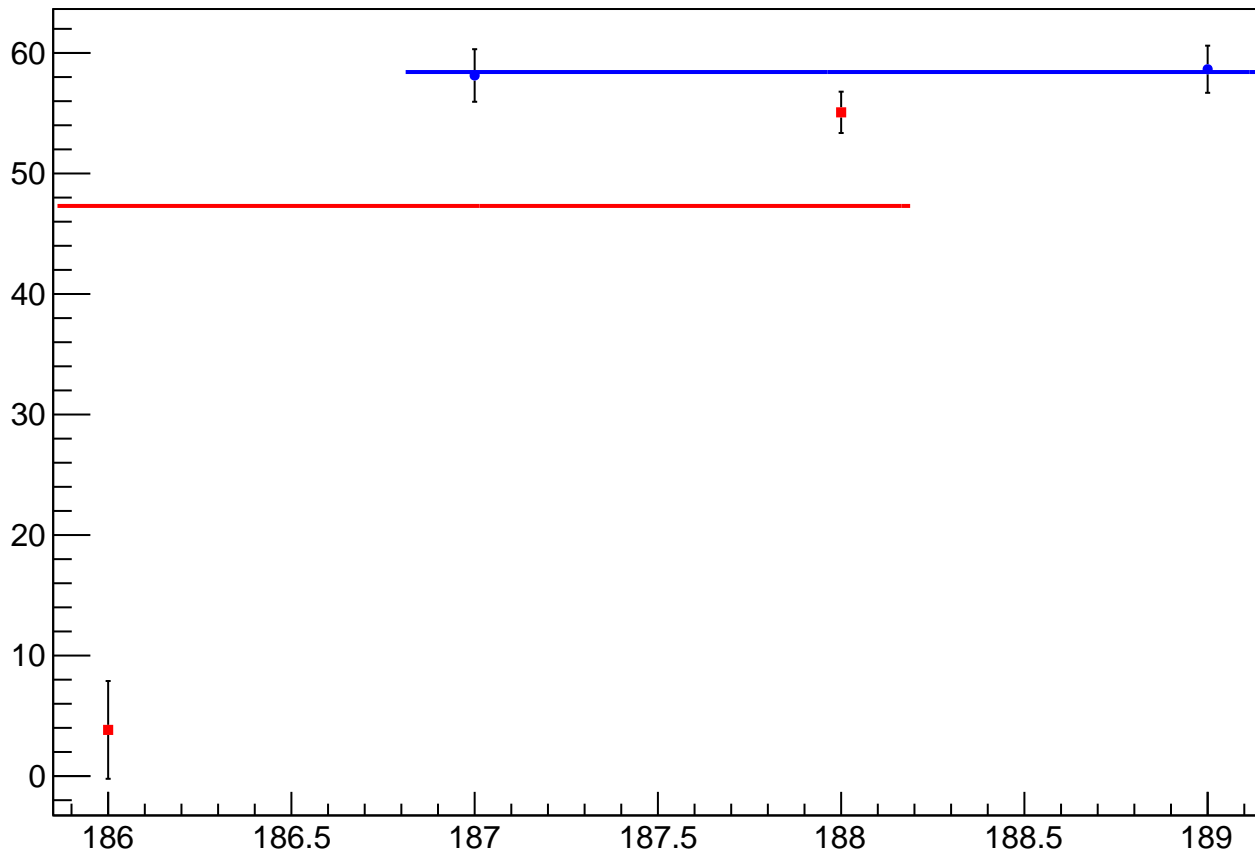
Right: 59.197+/-1.745  $\chi^2$ /NDF: 105.6/3

In: 70.154+/-2.114  $\chi^2$ /NDF:7.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 59.197+/-1.745  $\chi^2$ /NDF: 105.6/3

# reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 58.419+/-1.456  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 47.307+/-1.579  $\chi^2$ /NDF: 135.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

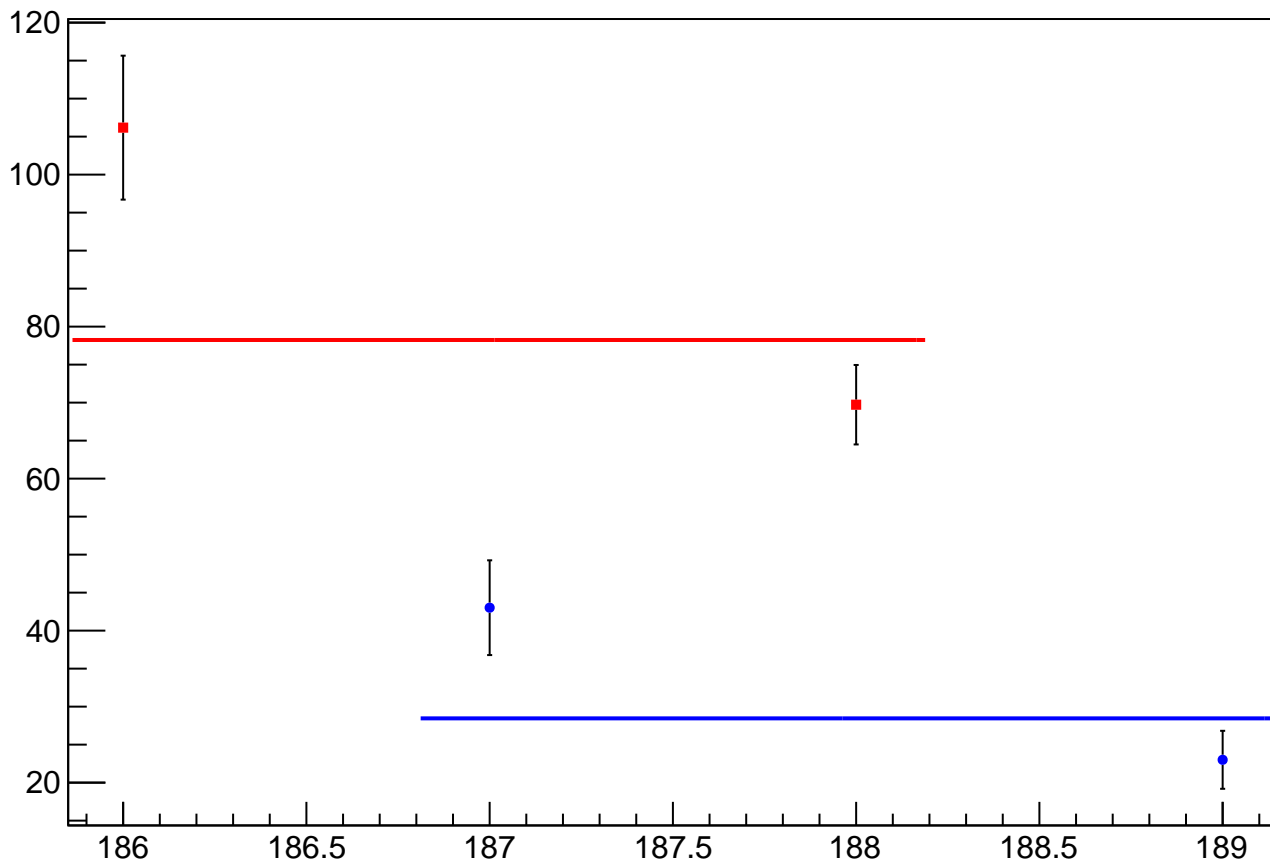
Right: 53.313+/-1.071  $\chi^2$ /NDF: 162.1/3

In: 58.419+/-1.456  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 53.313+/-1.071  $\chi^2$ /NDF: 162.1/3

# reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 28.456+/-3.253  $\chi^2$ /NDF: 7.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 78.241+/-4.577  $\chi^2$ /NDF: 11.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

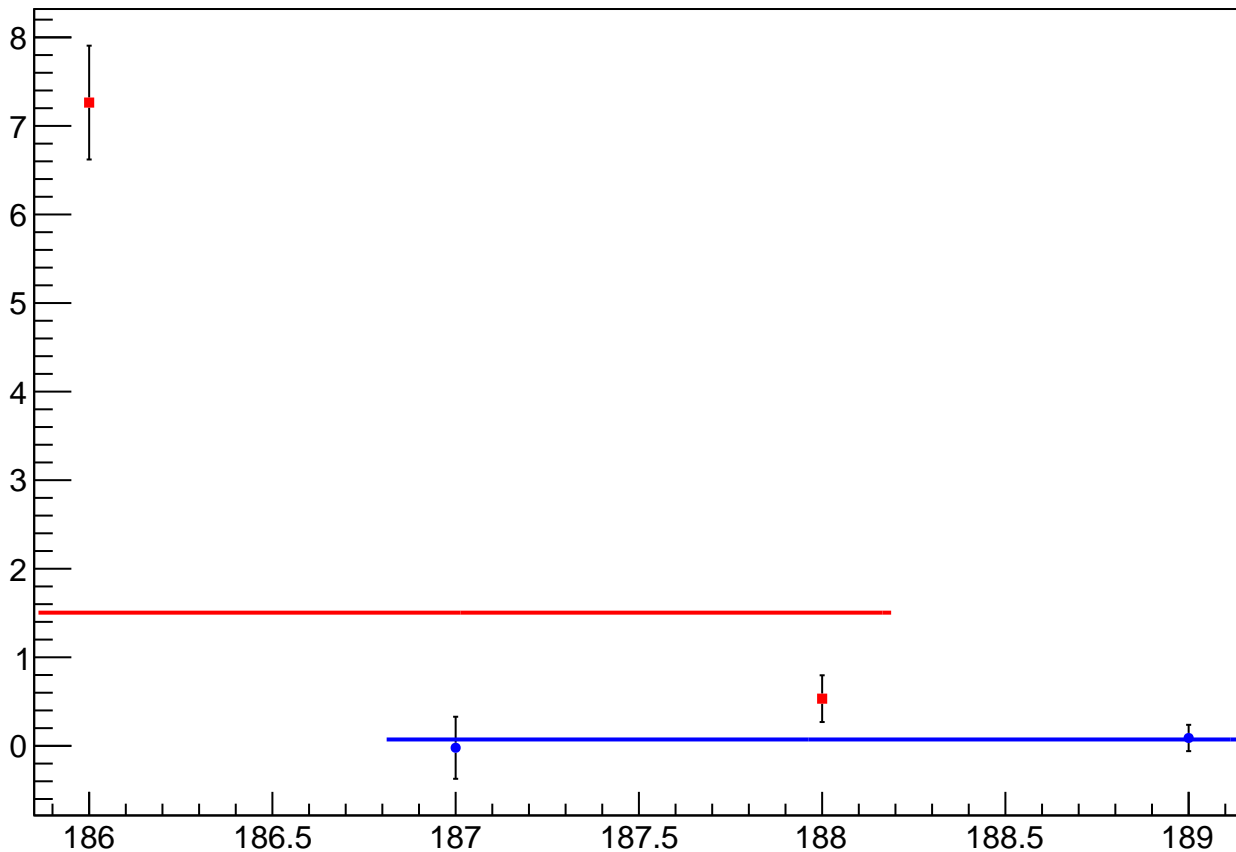
Right: 45.167+/-2.652  $\chi^2$ /NDF: 97.5/3

In: 28.456+/-3.253  $\chi^2$ /NDF:7.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 45.167+/-2.652  $\chi^2$ /NDF: 97.5/3

# reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.072+/-0.137  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.504+/-0.244  $\chi^2$ /NDF: 93.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

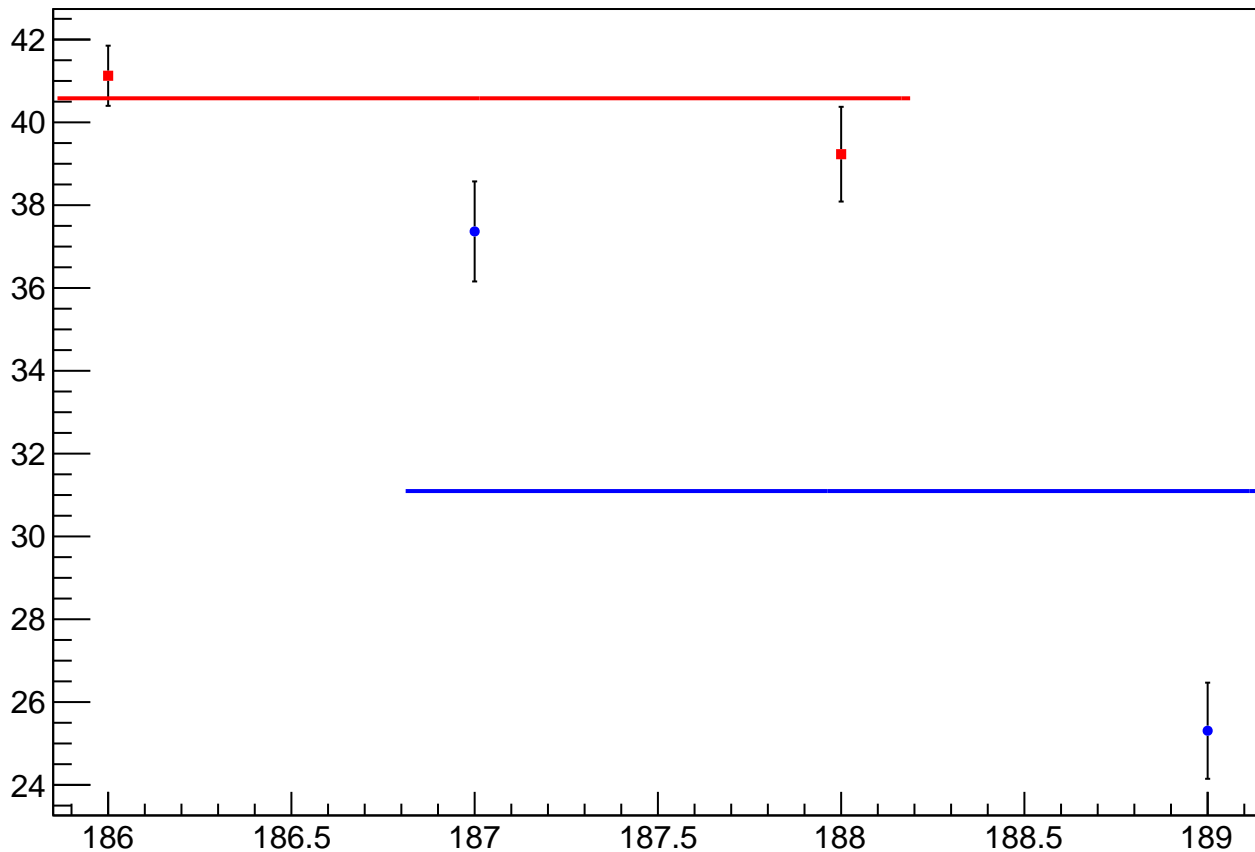
Right: 0.414+/-0.119  $\chi^2$ /NDF: 120.2/3

In: 0.072+/-0.137  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.414+/-0.119  $\chi^2$ /NDF: 120.2/3

# reg\_asym\_sam7\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 31.096+/-0.837  $\chi^2$ /NDF: 51.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 40.581+/-0.613  $\chi^2$ /NDF: 2.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

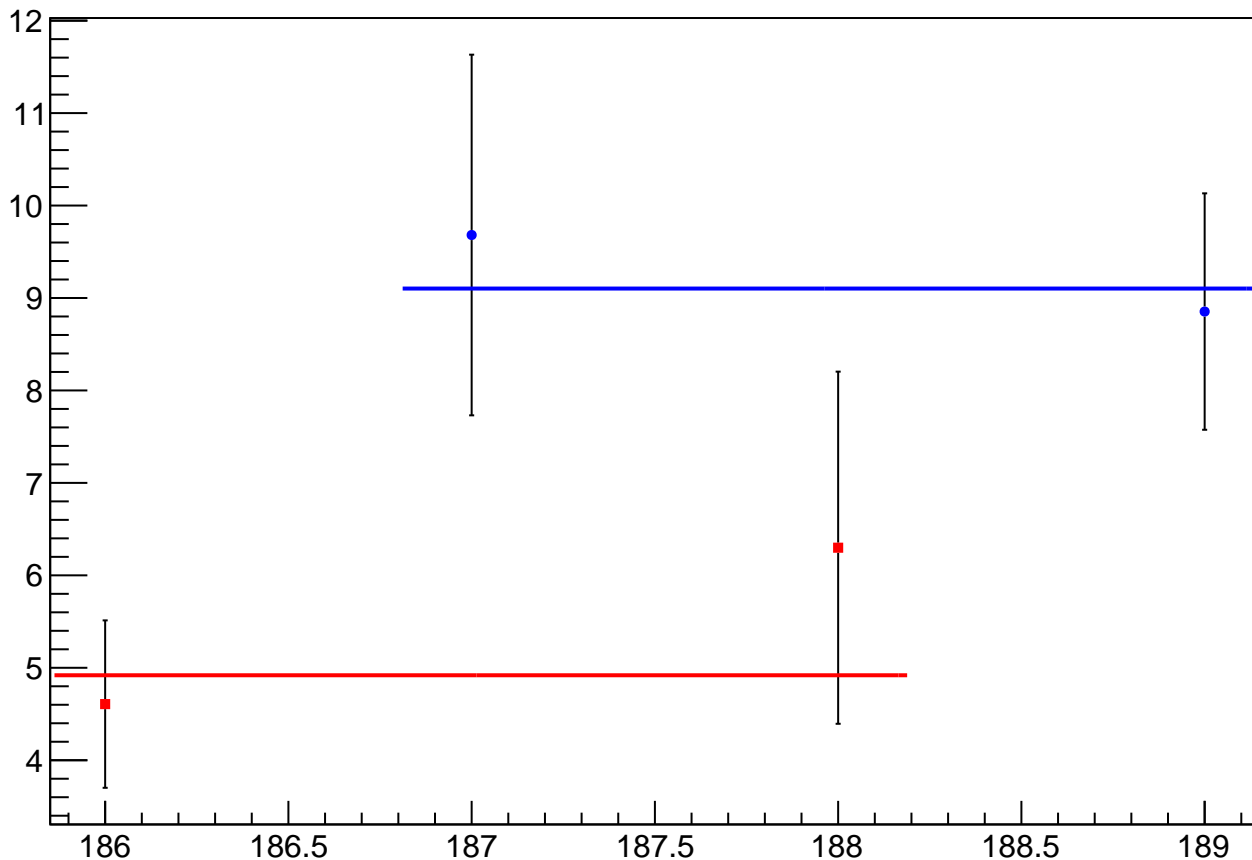
Right: 37.268+/-0.495  $\chi^2$ /NDF: 137.3/3

In: 31.096+/-0.837  $\chi^2$ /NDF:51.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 37.268+/-0.495  $\chi^2$ /NDF: 137.3/3

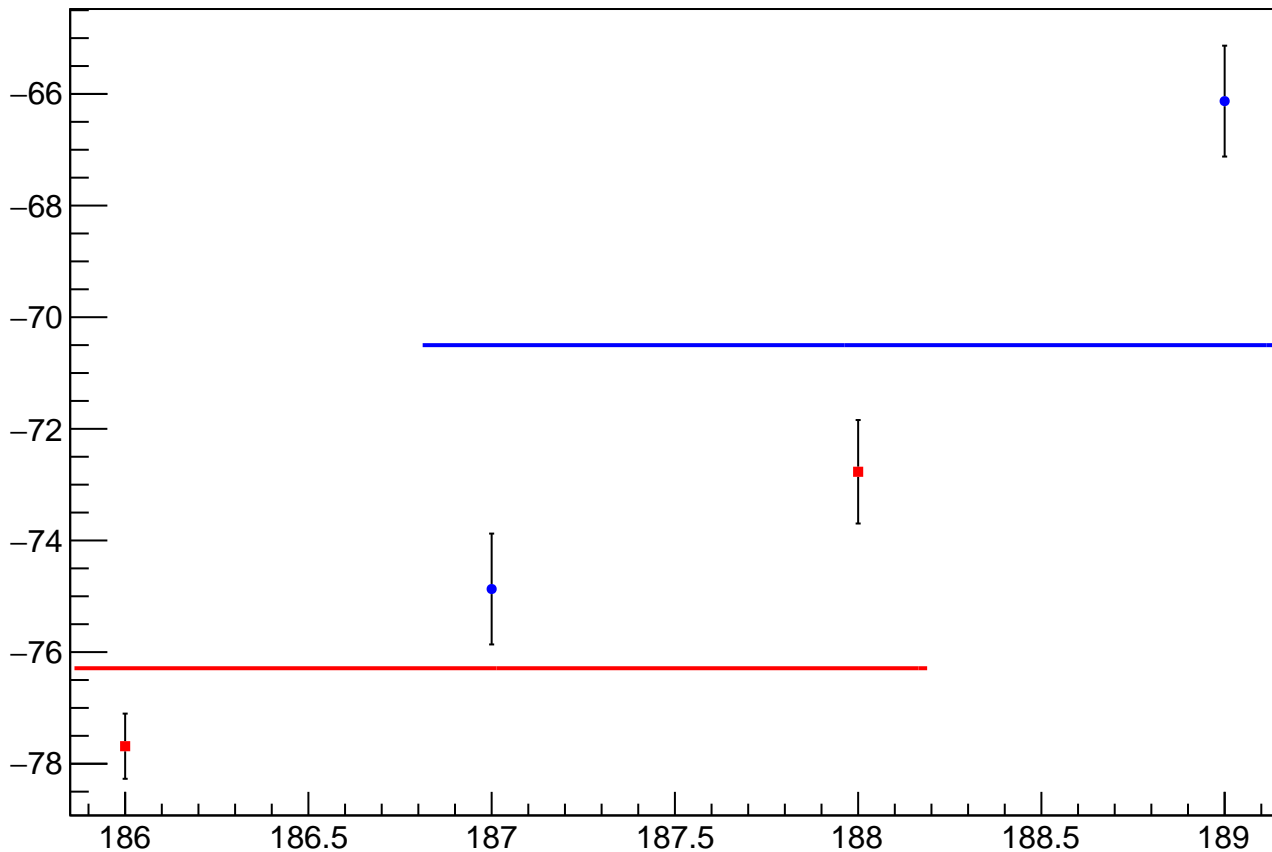
# reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.102+/-1.069  $\chi^2$ /NDF: 0.1/1  
 Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: 4.919+/-0.818  $\chi^2$ /NDF: 0.6/1  
 Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
 Right: 6.463+/-0.650  $\chi^2$ /NDF: 10.4/3  
 In: 9.102+/-1.069  $\chi^2$ /NDF:0.1/1  
 Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 All: 6.463+/-0.650  $\chi^2$ /NDF: 10.4/3

# reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-70.501 \pm 0.702$   $\chi^2/\text{NDF}: 38.7/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-76.289 \pm 0.494$   $\chi^2/\text{NDF}: 20.1/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-74.372 \pm 0.404$   $\chi^2/\text{NDF}: 104.3/3$

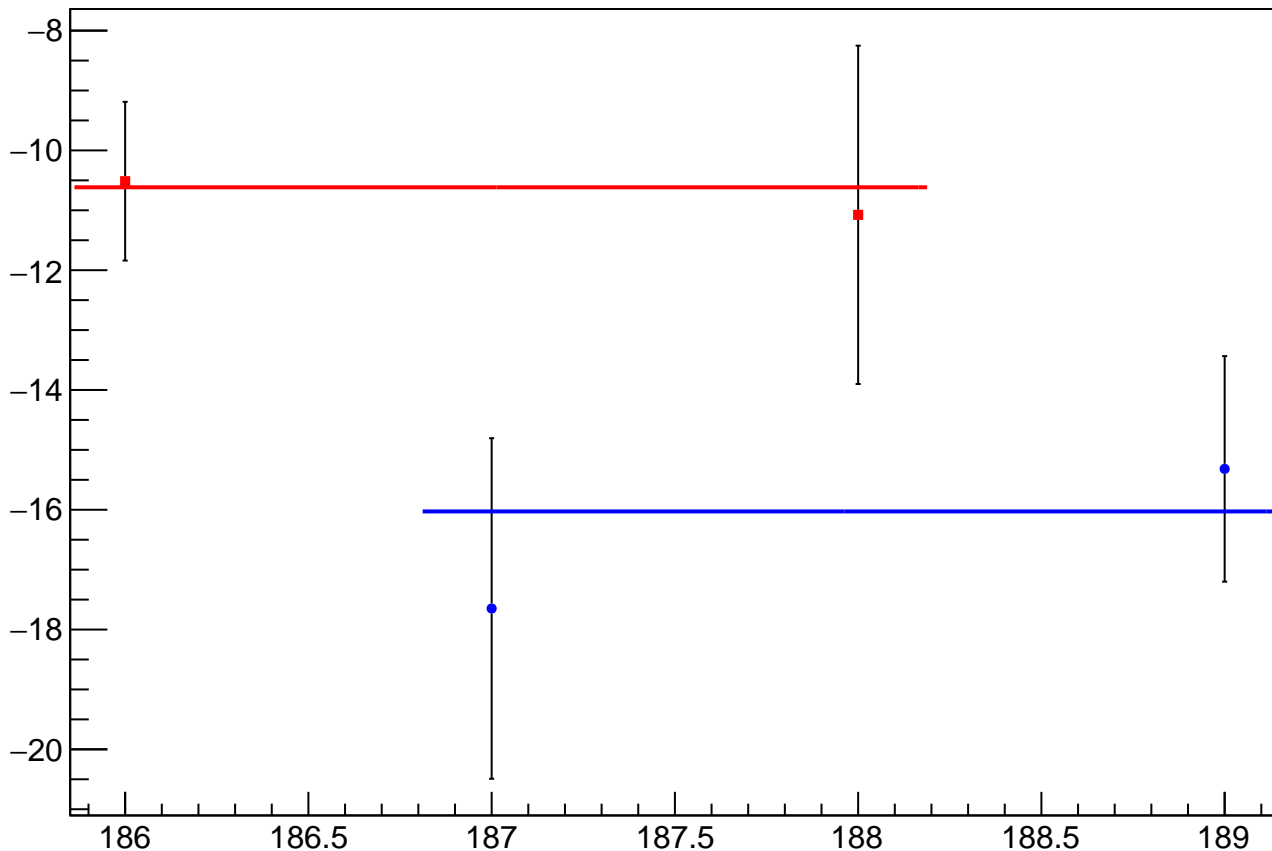
In:  $-70.501 \pm 0.702$   $\chi^2/\text{NDF}: 38.7/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-74.372 \pm 0.404$   $\chi^2/\text{NDF}: 104.3/3$



# reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -16.028+/-1.570  $\chi^2/\text{NDF}$ : 0.5/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -10.616+/-1.200  $\chi^2/\text{NDF}$ : 0.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

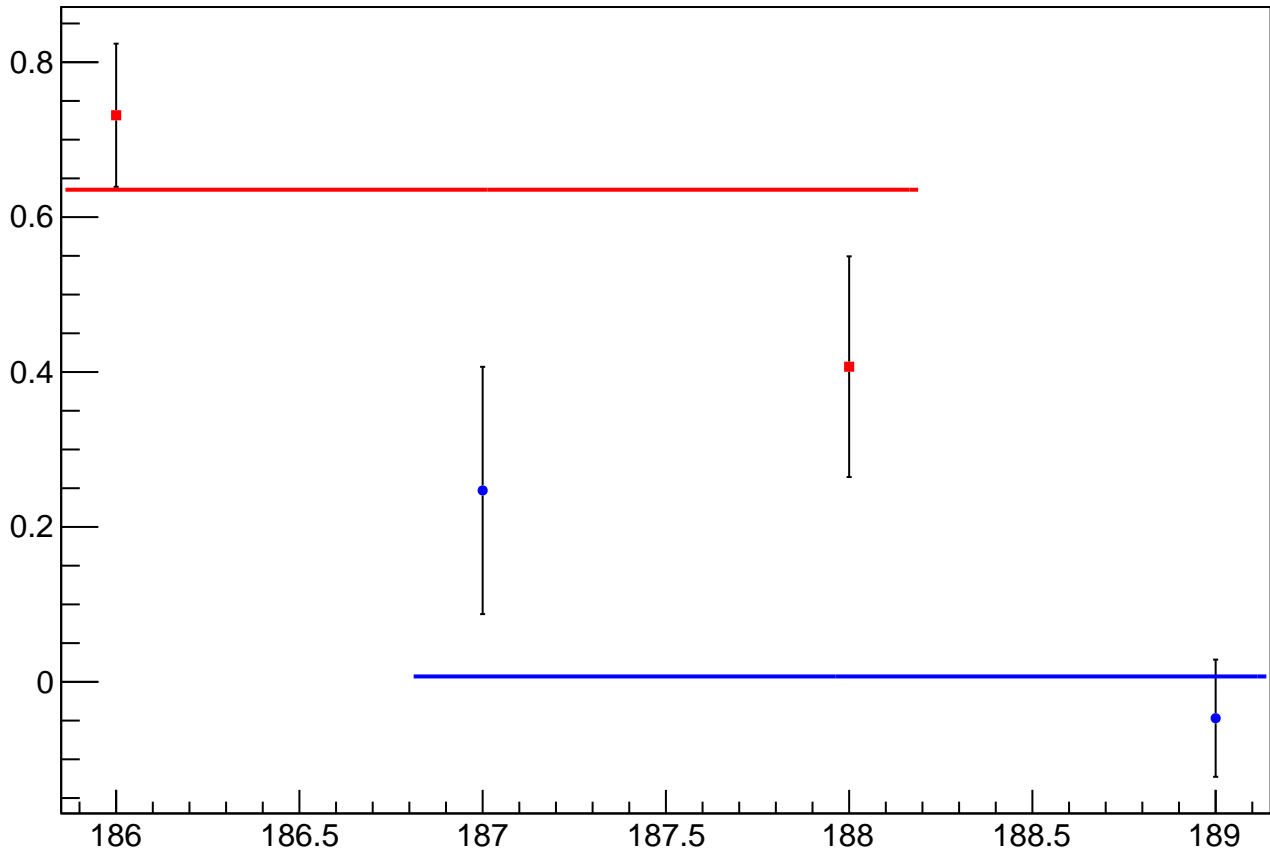
Right: -12.611+/-0.953  $\chi^2/\text{NDF}$ : 8.0/3

In: -16.028+/-1.570  $\chi^2/\text{NDF}$ : 0.5/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -12.611+/-0.953  $\chi^2/\text{NDF}$ : 8.0/3

# reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.068  $\chi^2$ /NDF: 2.8/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.635 $\pm$ 0.078  $\chi^2$ /NDF: 3.7/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

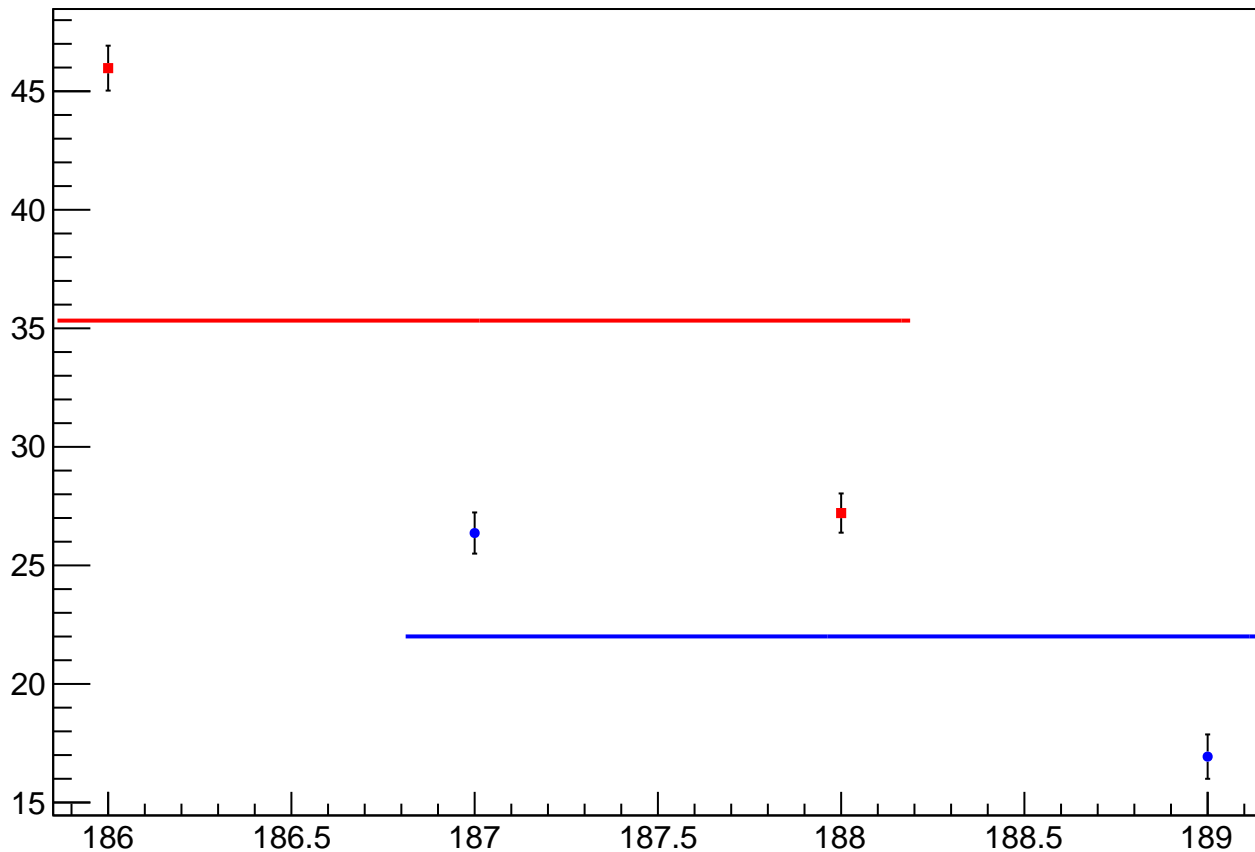
Right: 0.282 $\pm$ 0.051  $\chi^2$ /NDF: 43.4/3

In: 0.007 $\pm$ 0.068  $\chi^2$ /NDF:2.8/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.282 $\pm$ 0.051  $\chi^2$ /NDF: 43.4/3

# reg\_asym\_sam8\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 22.004 $\pm$ 0.636  $\chi^2$ /NDF: 54.6/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 35.327 $\pm$ 0.623  $\chi^2$ /NDF: 222.7/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

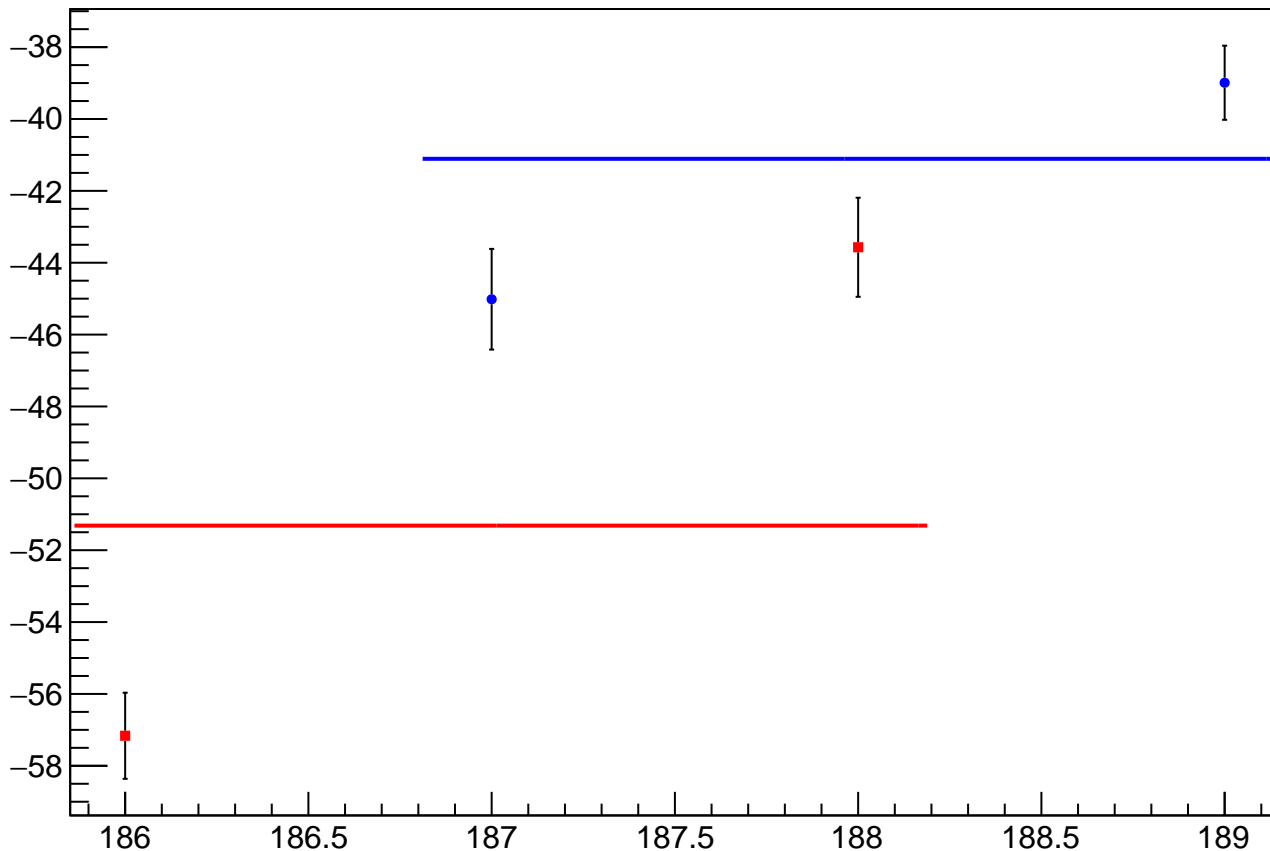
Right: 28.805 $\pm$ 0.445  $\chi^2$ /NDF: 501.0/3

In: 22.004 $\pm$ 0.636  $\chi^2$ /NDF:54.6/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 28.805 $\pm$ 0.445  $\chi^2$ /NDF: 501.0/3

# reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-41.108 \pm 0.831$   $\chi^2/\text{NDF}: 12.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-51.316 \pm 0.904$   $\chi^2/\text{NDF}: 55.4/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

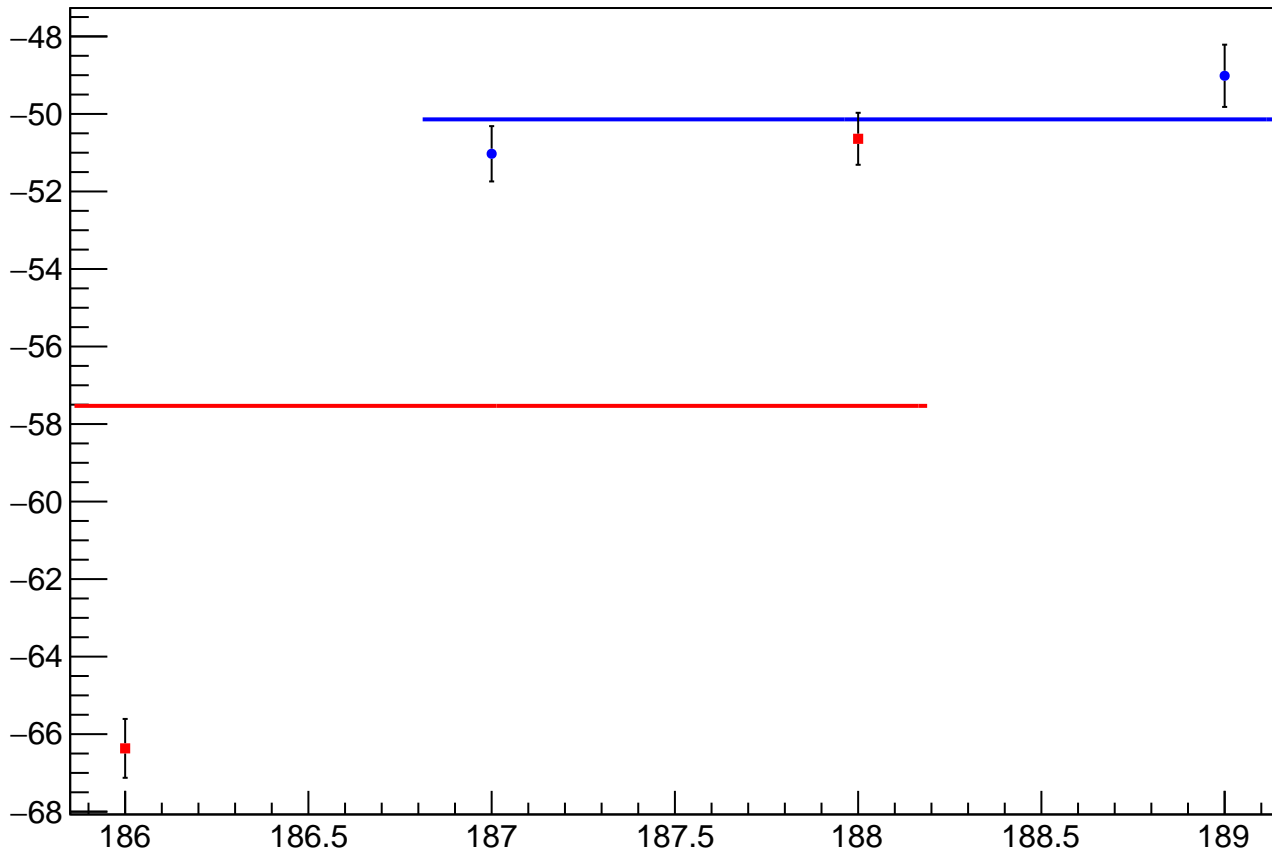
Right:  $-45.781 \pm 0.612$   $\chi^2/\text{NDF}: 136.5/3$

In:  $-41.108 \pm 0.831$   $\chi^2/\text{NDF}: 12.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-45.781 \pm 0.612$   $\chi^2/\text{NDF}: 136.5/3$

reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -50.140+/-0.533  $\chi^2$ /NDF: 3.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -57.531+/-0.503  $\chi^2$ /NDF: 241.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

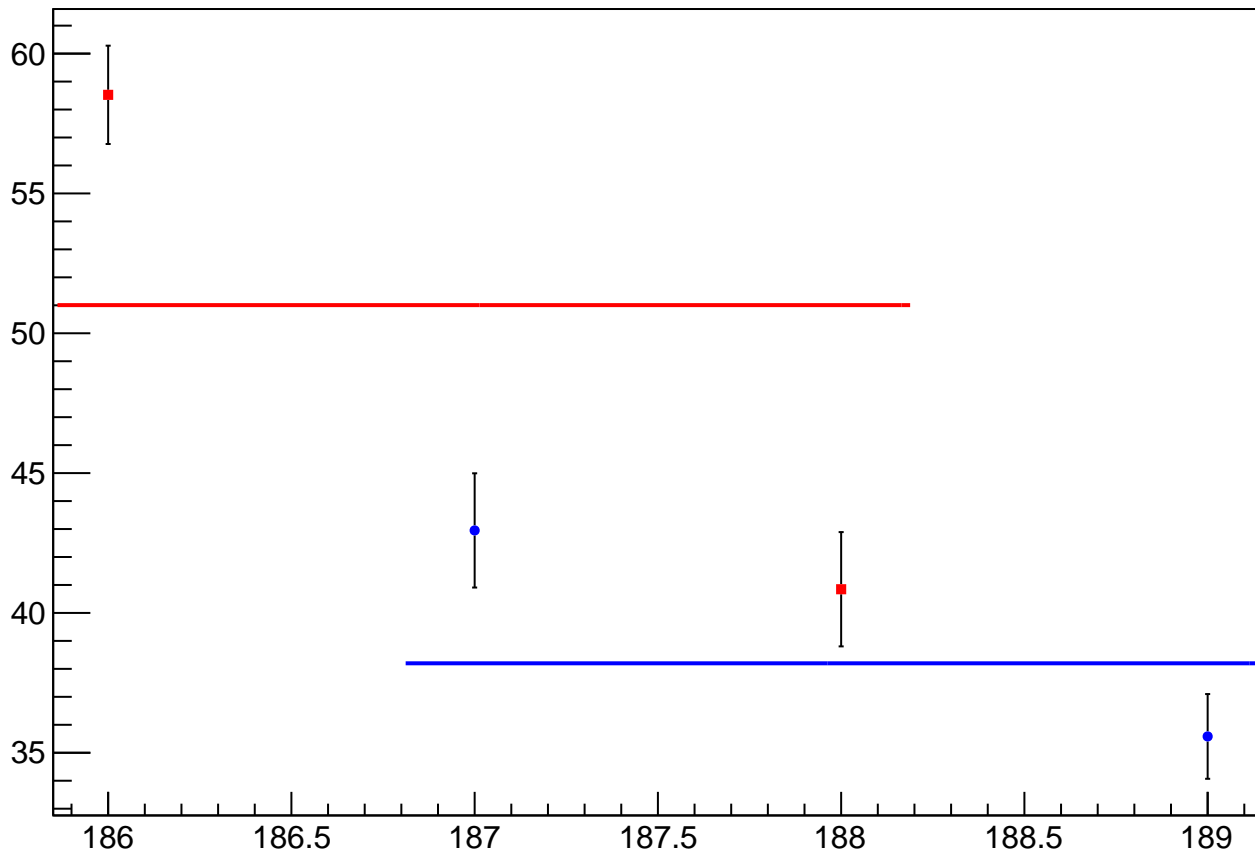
Right: -54.055+/-0.366  $\chi^2$ /NDF: 346.3/3

In: -50.140+/-0.533  $\chi^2$ /NDF:3.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -54.055+/-0.366  $\chi^2$ /NDF: 346.3/3

# reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 38.199+/-1.217  $\chi^2$ /NDF: 8.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 51.007+/-1.333  $\chi^2$ /NDF: 43.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

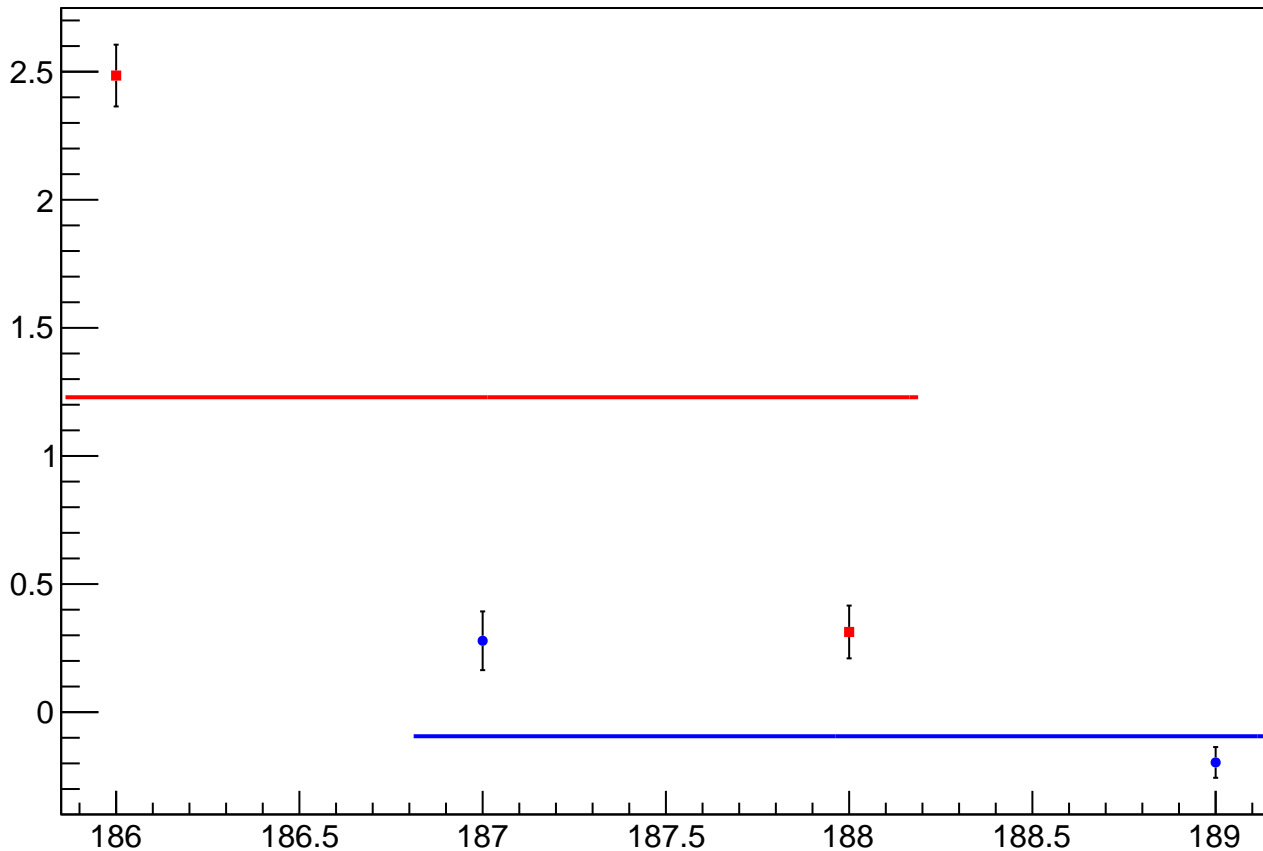
Right: 44.022+/-0.899  $\chi^2$ /NDF: 101.8/3

In: 38.199+/-1.217  $\chi^2$ /NDF:8.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 44.022+/-0.899  $\chi^2$ /NDF: 101.8/3

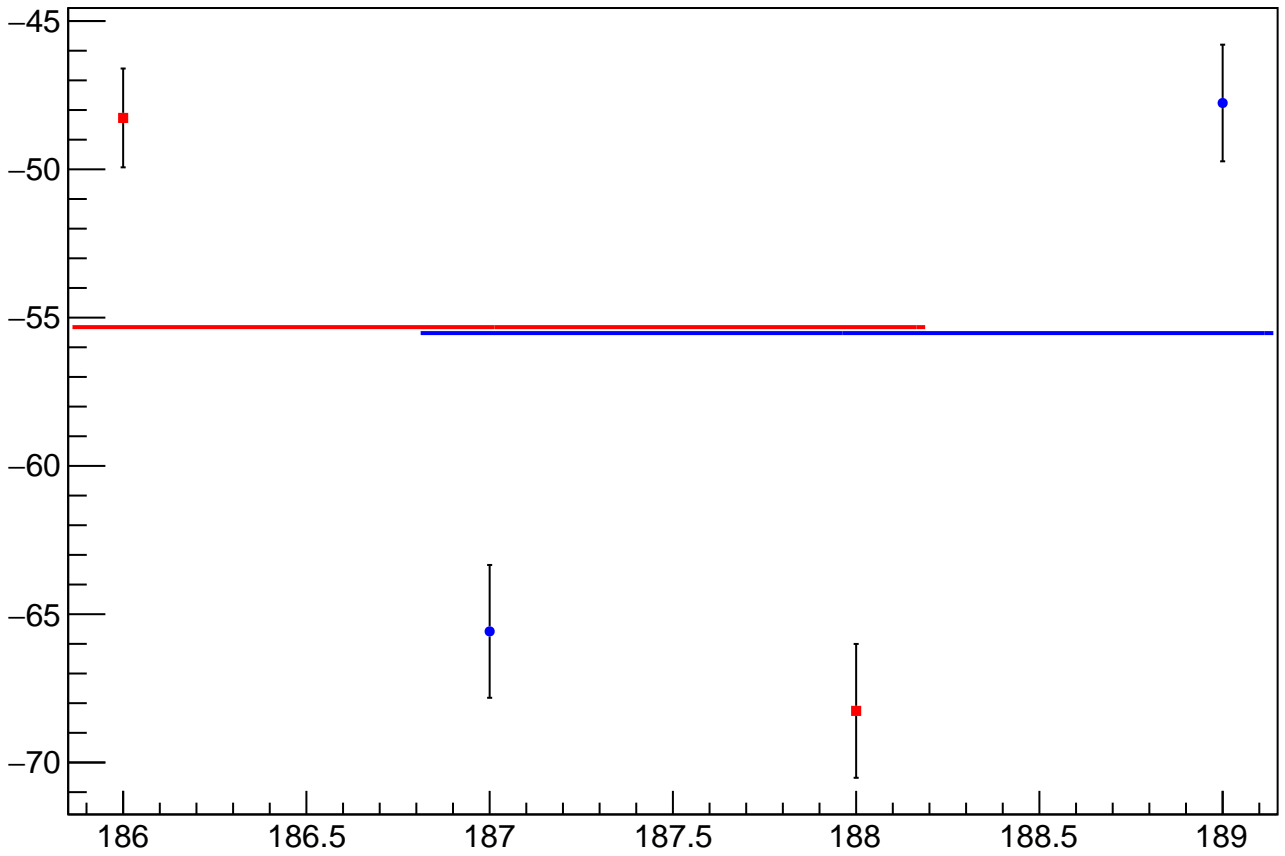
# reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.094 \pm 0.053$   $\chi^2/\text{NDF}: 13.5/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $1.229 \pm 0.078$   $\chi^2/\text{NDF}: 187.6/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $0.323 \pm 0.044$   $\chi^2/\text{NDF}: 396.5/3$   
 In:  $-0.094 \pm 0.053$   $\chi^2/\text{NDF}: 13.5/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $0.323 \pm 0.044$   $\chi^2/\text{NDF}: 396.5/3$

# reg\_asym\_usl\_diff\_bpm1X\_slope vs Slug, Sign Corrected

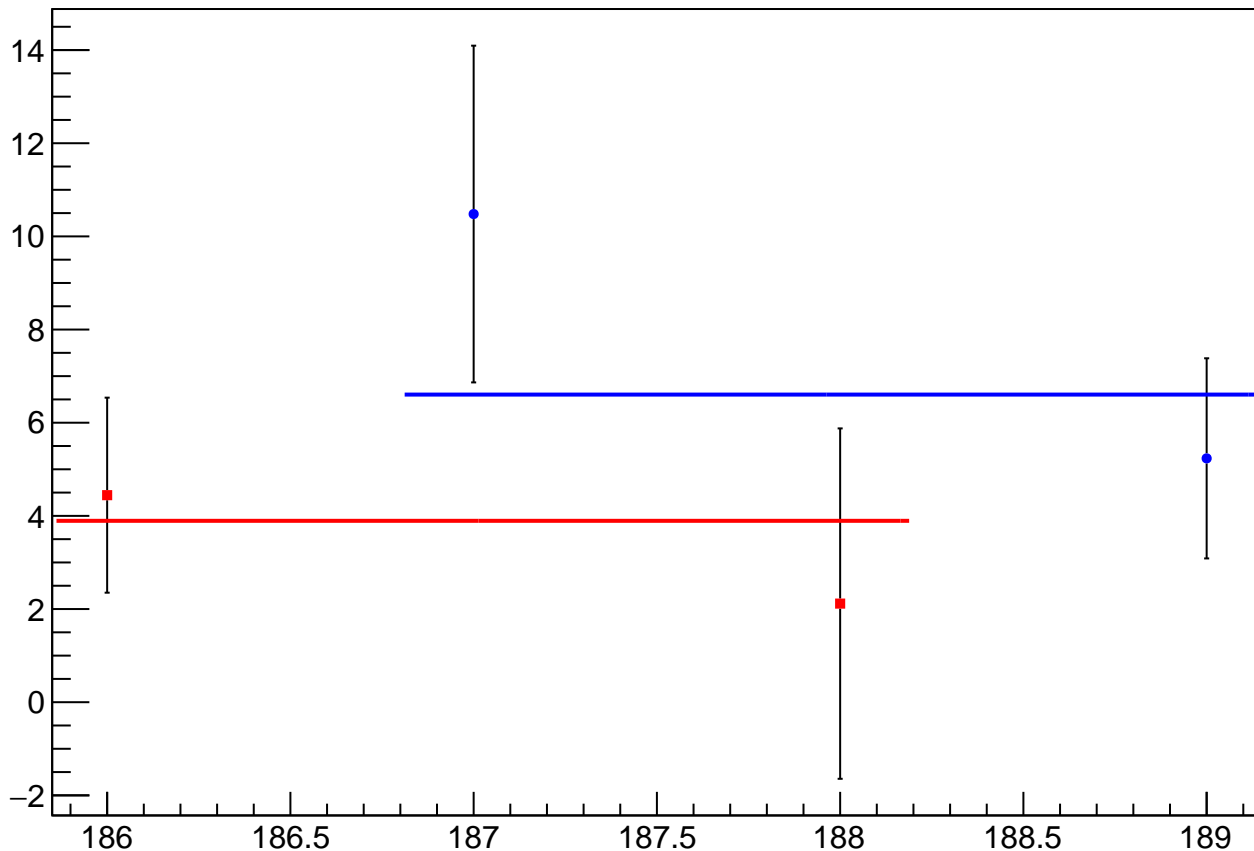


Right In: -55.522+/-1.478  $\chi^2$ /NDF: 35.7/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: -55.320+/-1.340  $\chi^2$ /NDF: 50.8/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: -55.411+/-0.993  $\chi^2$ /NDF: 86.5/3  
In: -55.522+/-1.478  $\chi^2$ /NDF:35.7/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: -55.411+/-0.993  $\chi^2$ /NDF: 86.5/3



# reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.604 $\pm$ 1.847  $\chi^2$ /NDF: 1.6/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3.894 $\pm$ 1.829  $\chi^2$ /NDF: 0.3/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

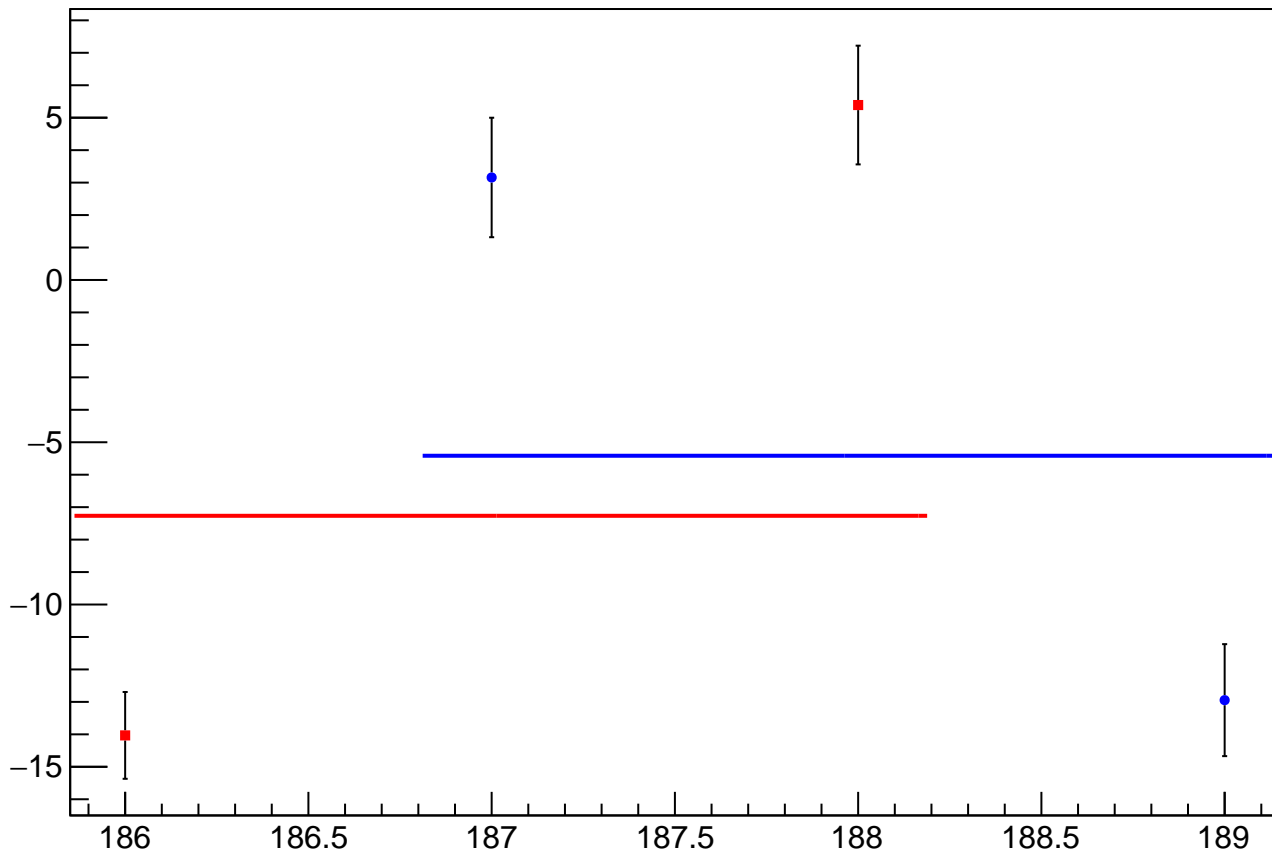
Right: 5.236 $\pm$ 1.300  $\chi^2$ /NDF: 2.9/3

In: 6.604 $\pm$ 1.847  $\chi^2$ /NDF:1.6/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 5.236 $\pm$ 1.300  $\chi^2$ /NDF: 2.9/3

# reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -5.416+/-1.259  $\chi^2$ /NDF: 40.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7.266+/-1.080  $\chi^2$ /NDF: 73.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

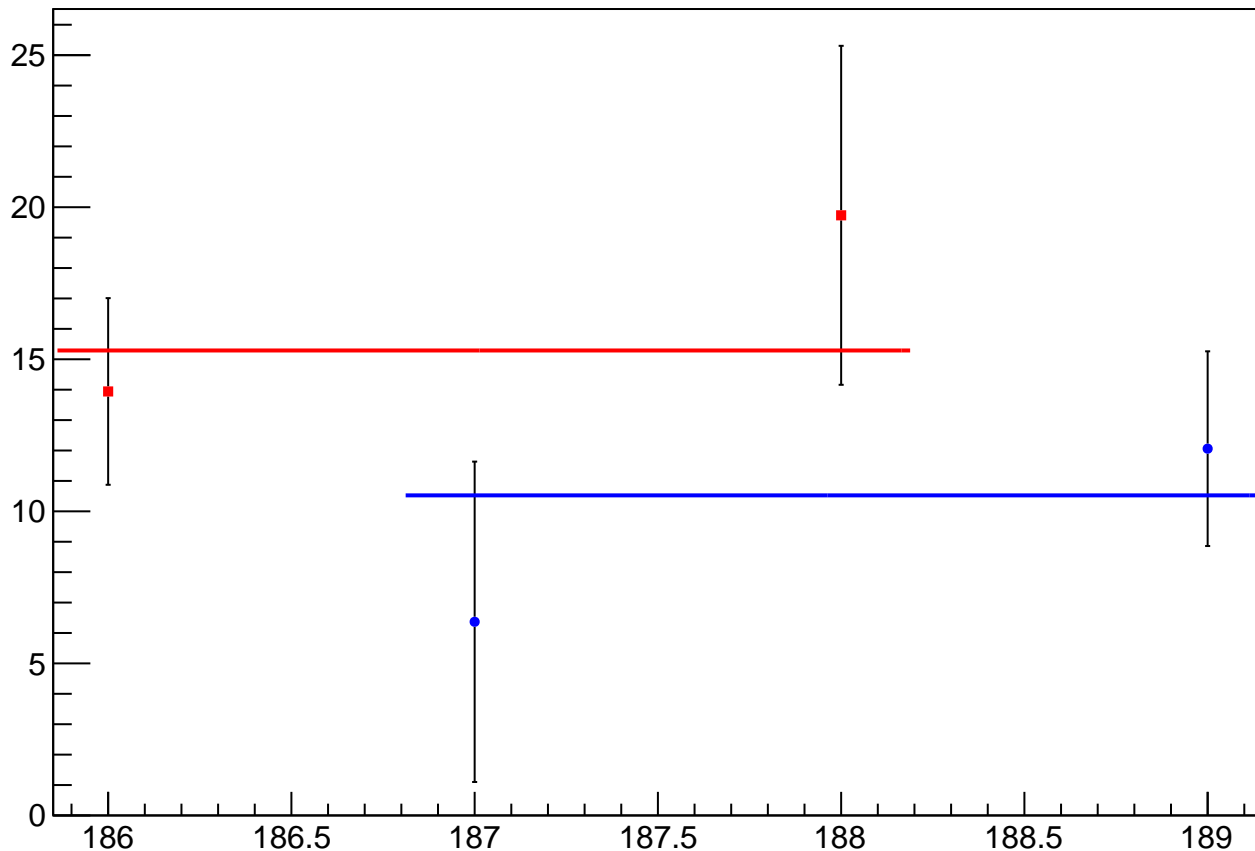
Right: -6.482+/-0.819  $\chi^2$ /NDF: 115.5/3

In: -5.416+/-1.259  $\chi^2$ /NDF:40.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -6.482+/-0.819  $\chi^2$ /NDF: 115.5/3

# reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 10.525+/-2.736  $\chi^2$ /NDF: 0.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 15.289+/-2.688  $\chi^2$ /NDF: 0.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

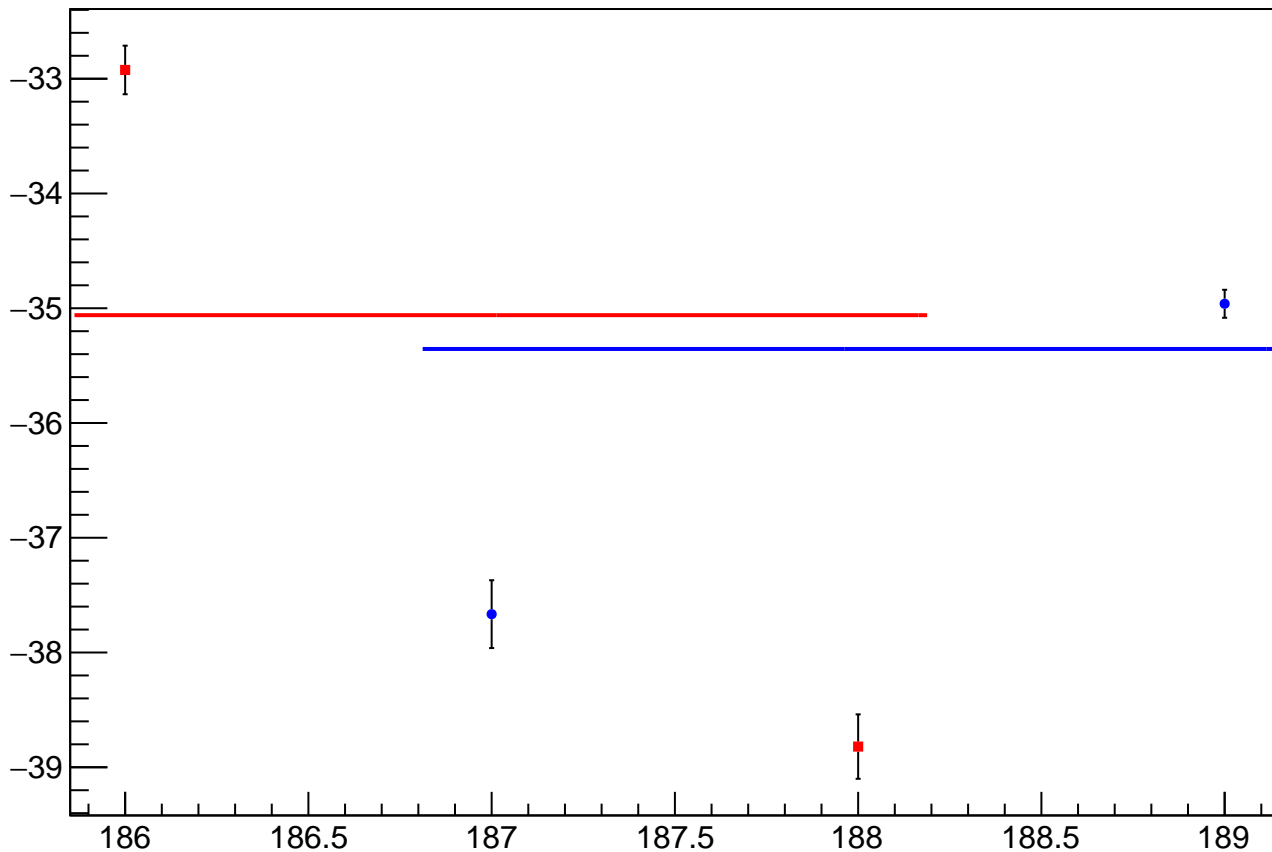
Right: 12.949+/-1.917  $\chi^2$ /NDF: 3.2/3

In: 10.525+/-2.736  $\chi^2$ /NDF:0.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 12.949+/-1.917  $\chi^2$ /NDF: 3.2/3

# reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -35.355+/-0.113  $\chi^2/\text{NDF}$ : 71.6/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -35.060+/-0.169  $\chi^2/\text{NDF}$ : 281.2/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

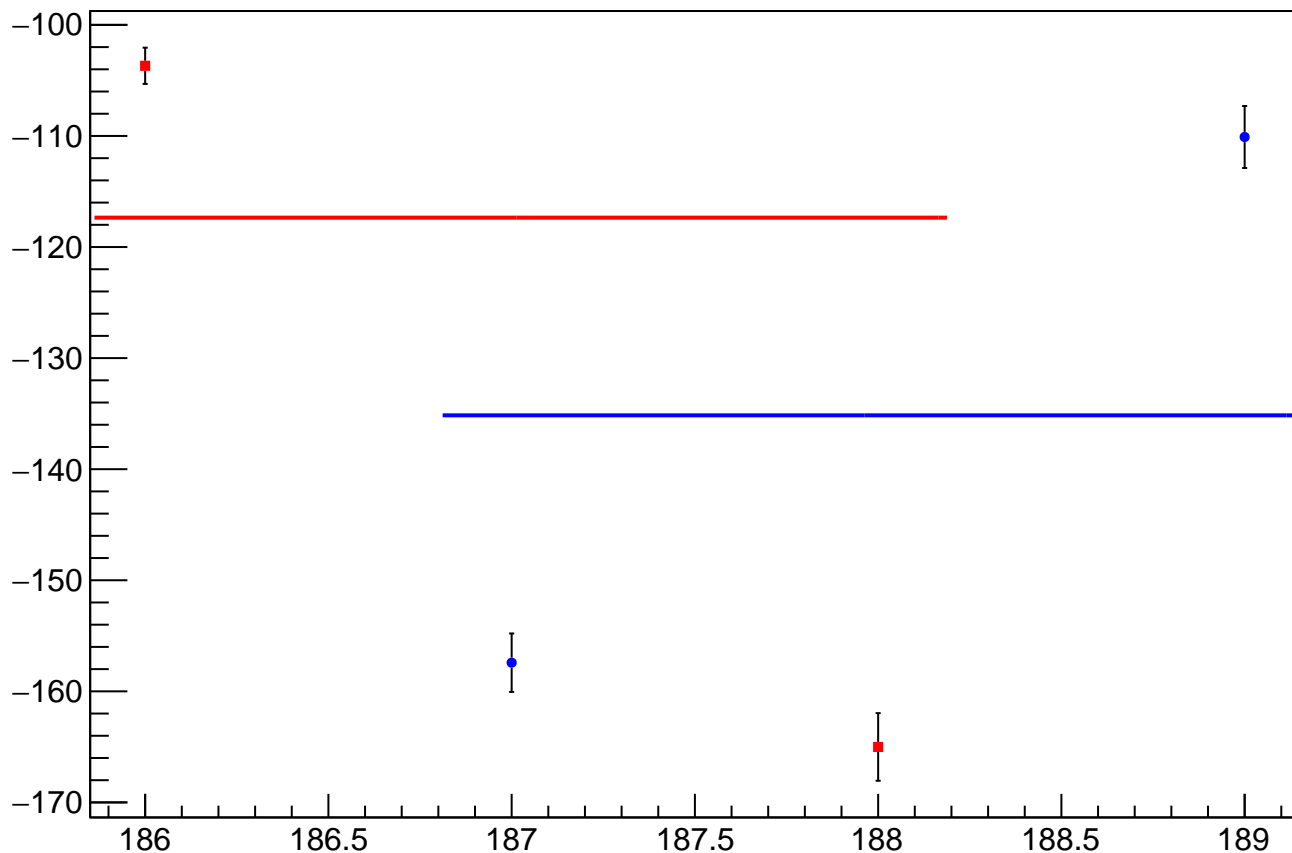
Right: -35.264+/-0.094  $\chi^2/\text{NDF}$ : 354.9/3

In: -35.355+/-0.113  $\chi^2/\text{NDF}$ : 71.6/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -35.264+/-0.094  $\chi^2/\text{NDF}$ : 354.9/3

# reg\_asym\_usr\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-135.152 \pm 1.915$   $\chi^2/\text{NDF}: 152.2/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-117.354 \pm 1.438$   $\chi^2/\text{NDF}: 314.9/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

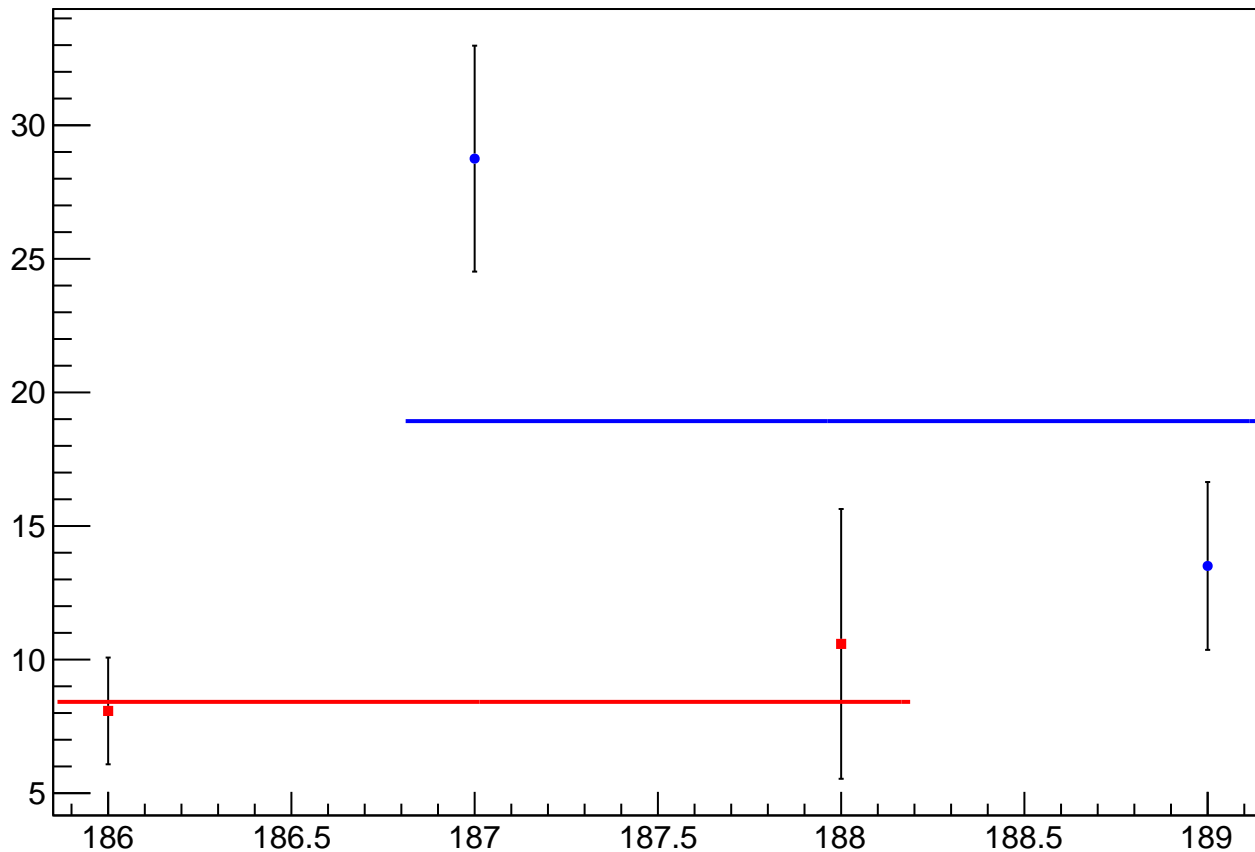
Right:  $-123.773 \pm 1.150$   $\chi^2/\text{NDF}: 522.4/3$

In:  $-135.152 \pm 1.915$   $\chi^2/\text{NDF}: 152.2/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-123.773 \pm 1.150$   $\chi^2/\text{NDF}: 522.4/3$

# reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 18.926 $\pm$ 2.522  $\chi^2$ /NDF: 8.4/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.418 $\pm$ 1.857  $\chi^2$ /NDF: 0.2/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

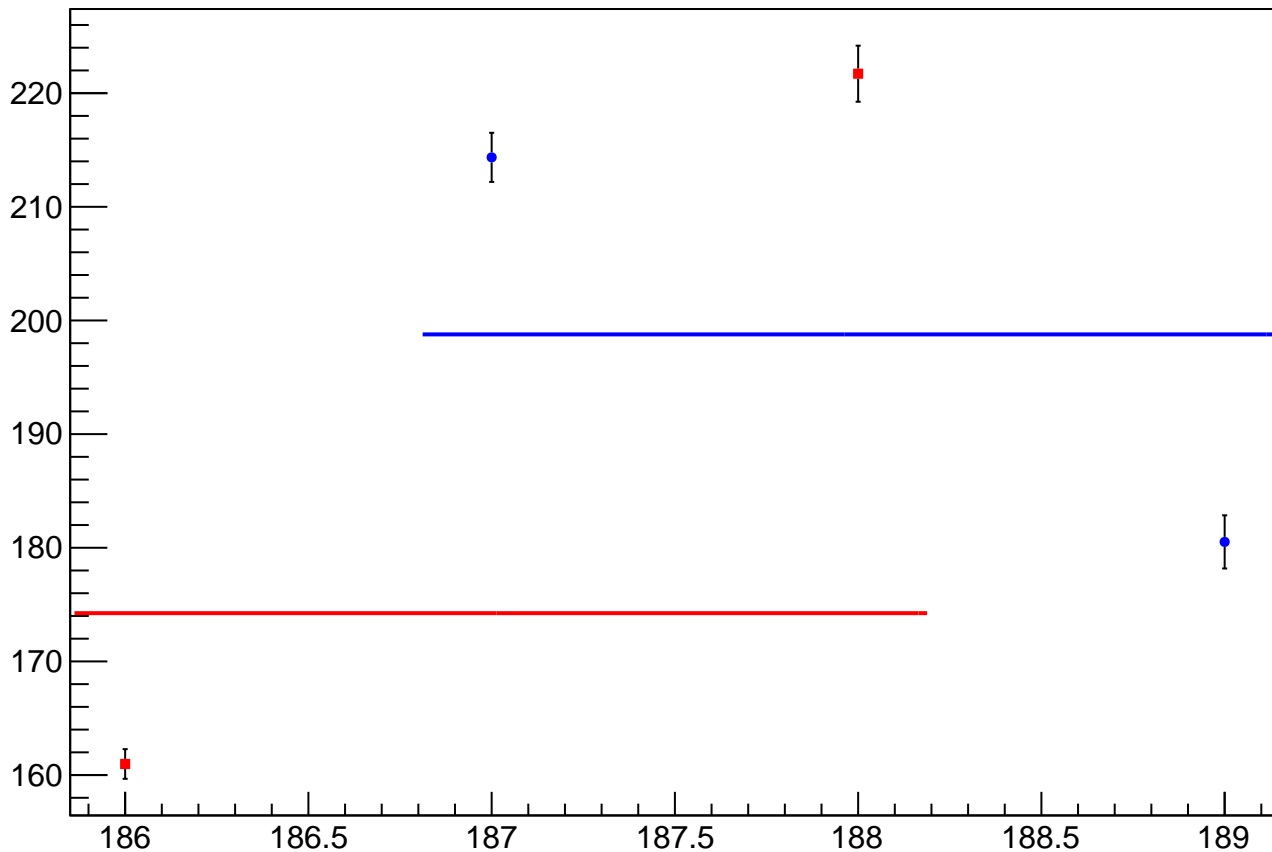
Right: 12.114 $\pm$ 1.496  $\chi^2$ /NDF: 19.8/3

In: 18.926 $\pm$ 2.522  $\chi^2$ /NDF:8.4/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 12.114 $\pm$ 1.496  $\chi^2$ /NDF: 19.8/3

# reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 198.775+/-1.588  $\chi^2$ /NDF: 112.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 174.246+/-1.153  $\chi^2$ /NDF: 473.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

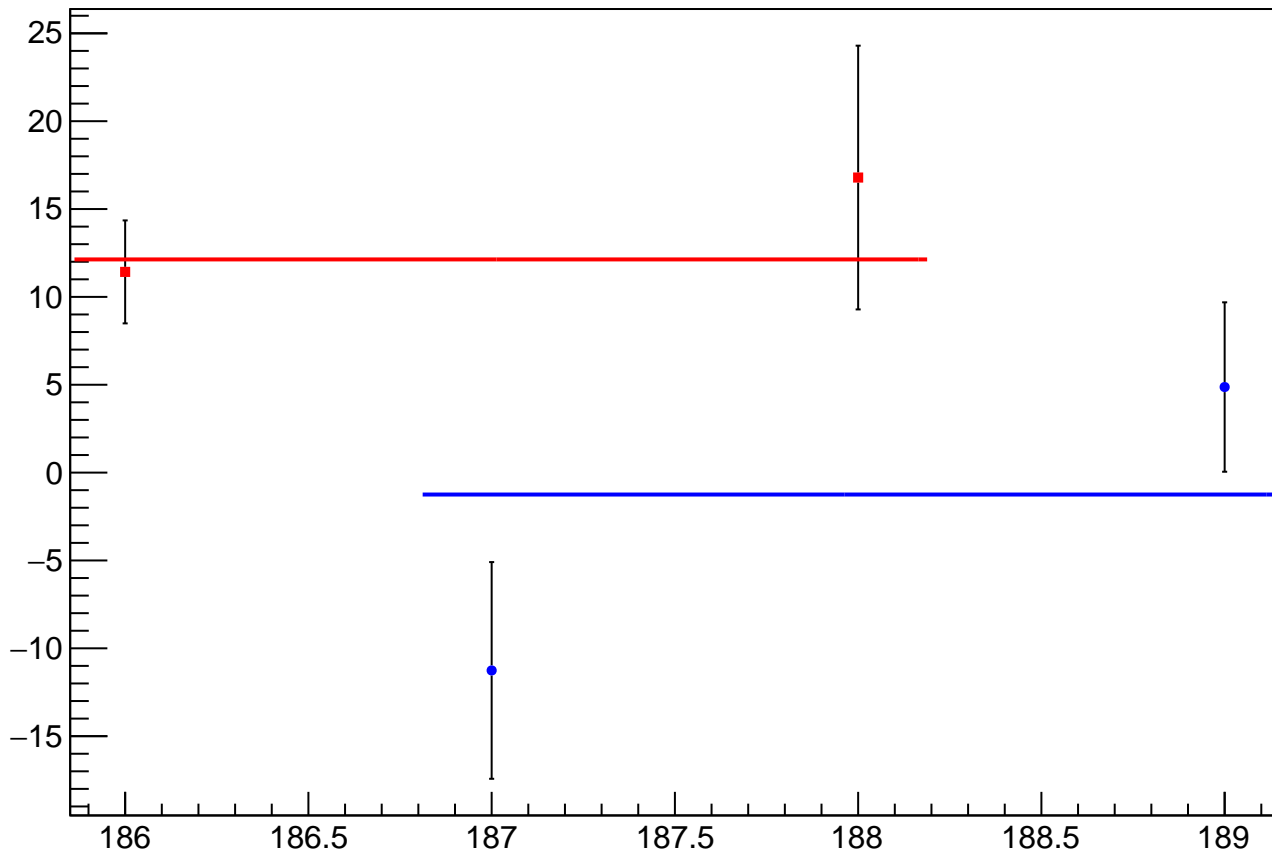
Right: 182.720+/-0.933  $\chi^2$ /NDF: 742.7/3

In: 198.775+/-1.588  $\chi^2$ /NDF:112.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 182.720+/-0.933  $\chi^2$ /NDF: 742.7/3

# reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.248+/-3.798  $\chi^2$ /NDF: 4.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 12.133+/-2.729  $\chi^2$ /NDF: 0.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 7.576+/-2.216  $\chi^2$ /NDF: 12.9/3

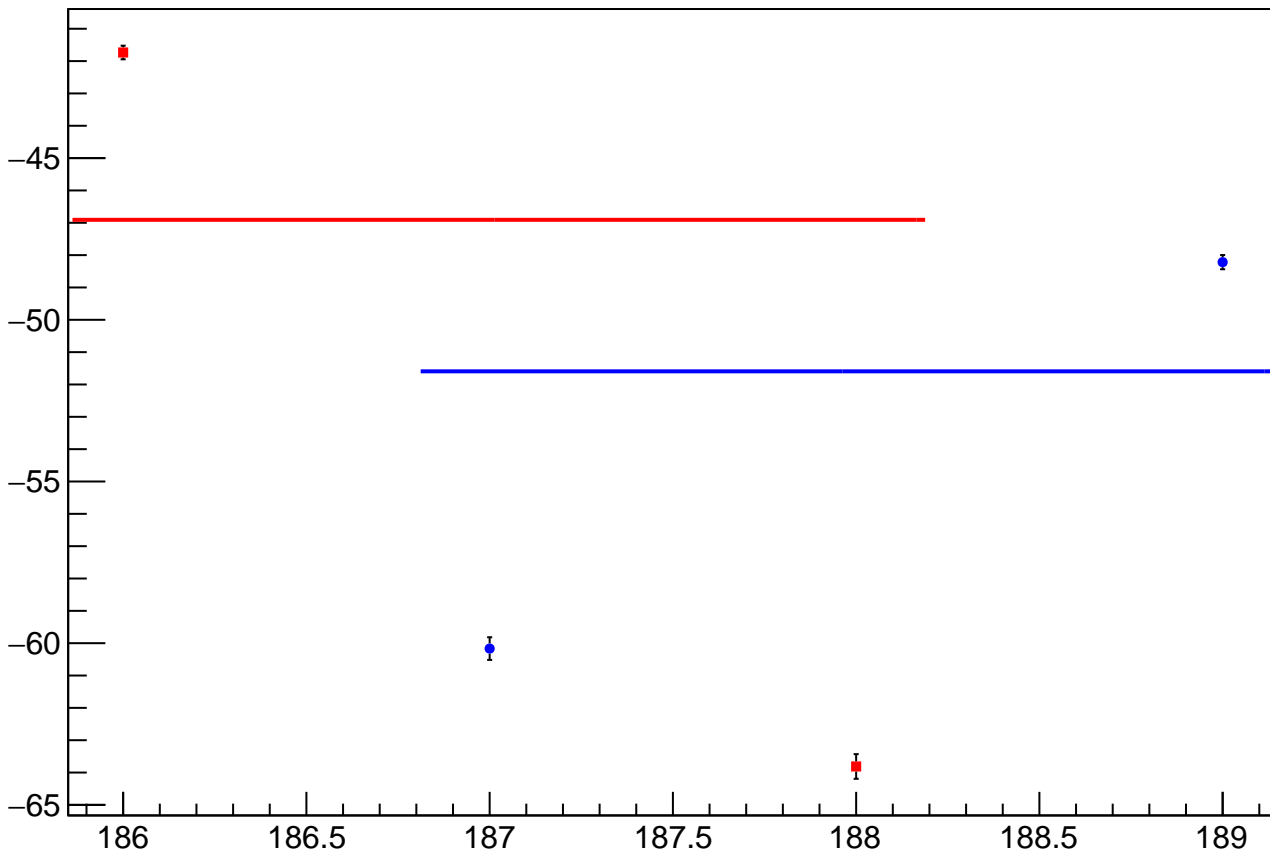
In: -1.248+/-3.798  $\chi^2$ /NDF:4.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 7.576+/-2.216  $\chi^2$ /NDF: 12.9/3



# reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-51.593 \pm 0.186$   $\chi^2/\text{NDF}: 835.3/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-46.908 \pm 0.185$   $\chi^2/\text{NDF}: 2565.5/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

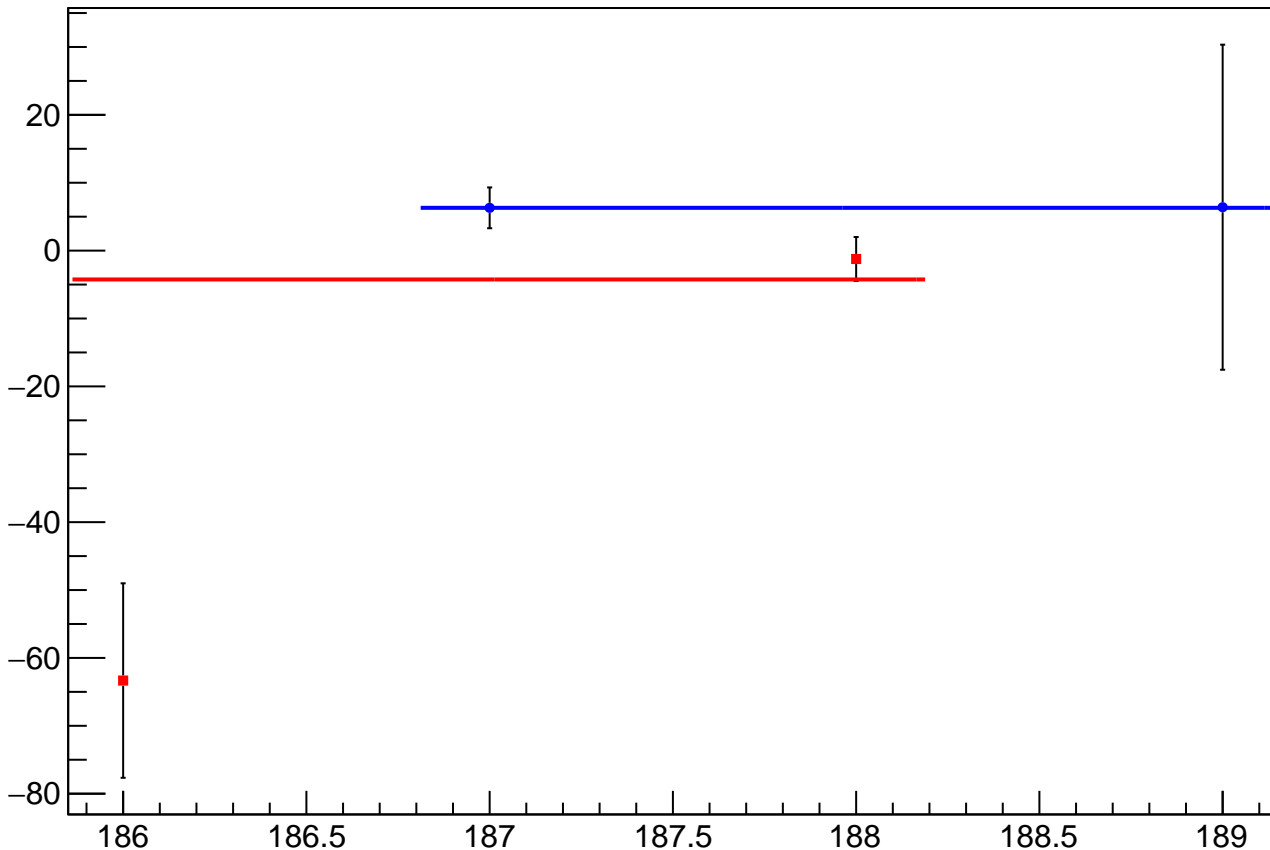
Right:  $-49.232 \pm 0.131$   $\chi^2/\text{NDF}: 3720.1/3$

In:  $-51.593 \pm 0.186$   $\chi^2/\text{NDF}: 835.3/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-49.232 \pm 0.131$   $\chi^2/\text{NDF}: 3720.1/3$

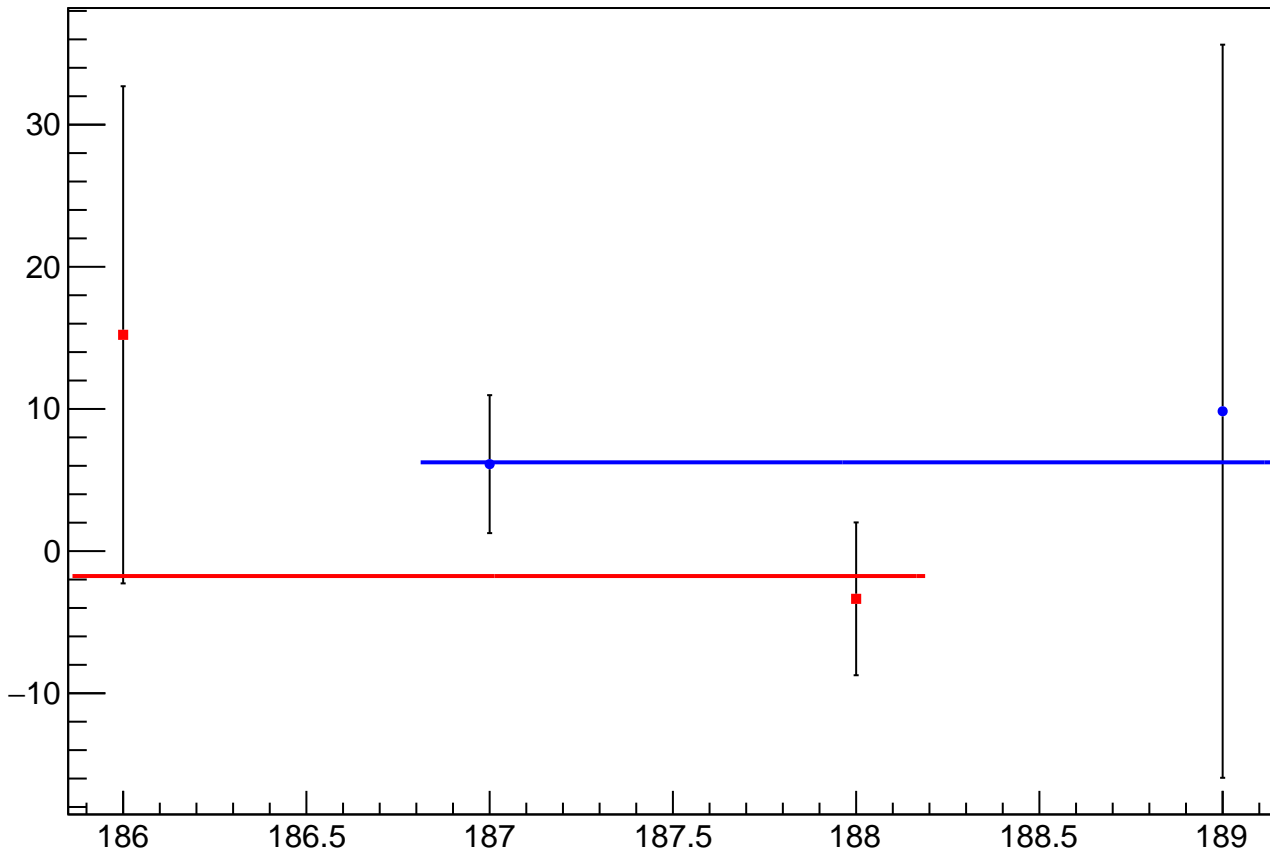
# reg\_asym\_dsl\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 6.306+/-2.984  $\chi^2$ /NDF: 0.0/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: -4.248+/-3.158  $\chi^2$ /NDF: 17.9/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 1.328+/-2.169  $\chi^2$ /NDF: 23.8/3  
In: 6.306+/-2.984  $\chi^2$ /NDF:0.0/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 1.328+/-2.169  $\chi^2$ /NDF: 23.8/3

# reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.246+/-4.769  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -1.754+/-5.138  $\chi^2/\text{NDF}$ : 1.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

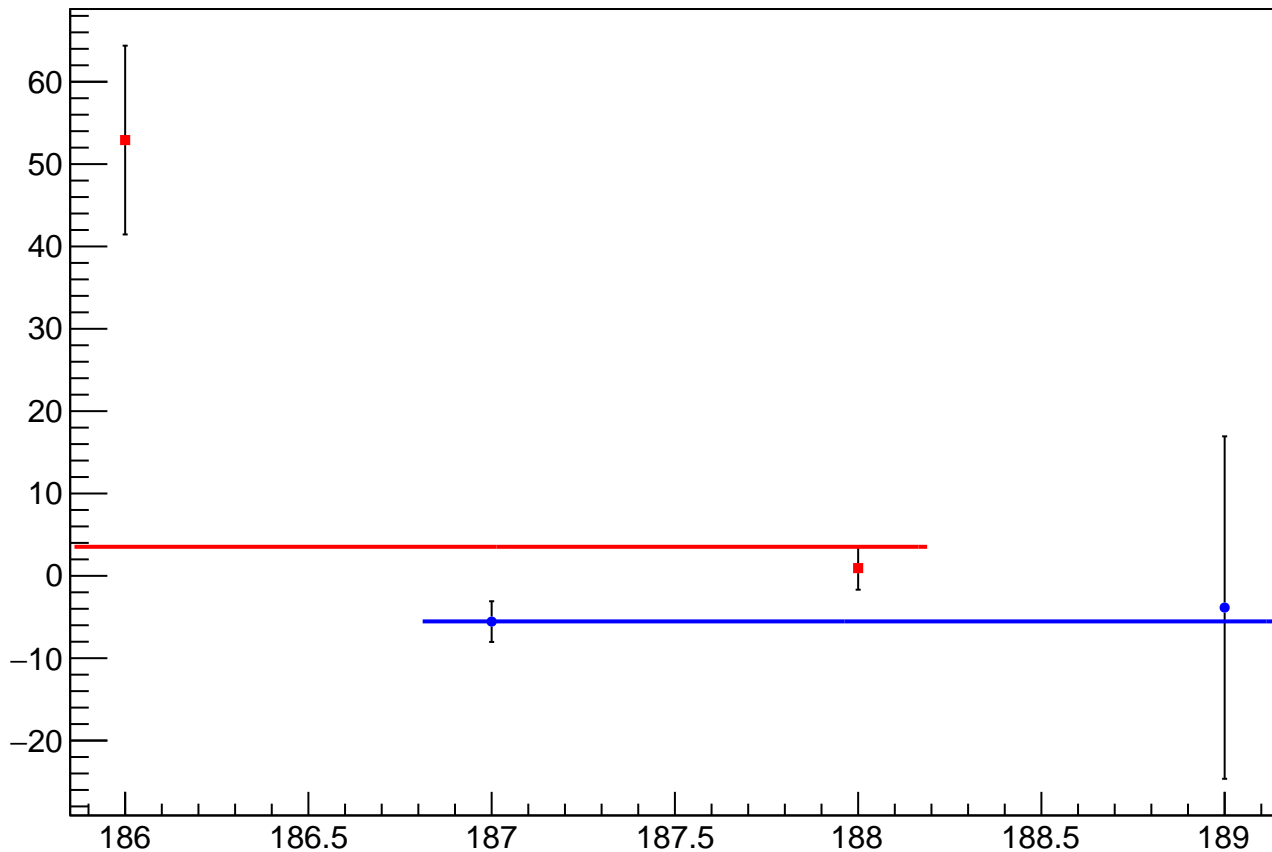
Right: 2.543+/-3.495  $\chi^2/\text{NDF}$ : 2.4/3

In: 6.246+/-4.769  $\chi^2/\text{NDF}$ :0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 2.543+/-3.495  $\chi^2/\text{NDF}$ : 2.4/3

# reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -5.533+/-2.453  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3.528+/-2.557  $\chi^2$ /NDF: 19.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

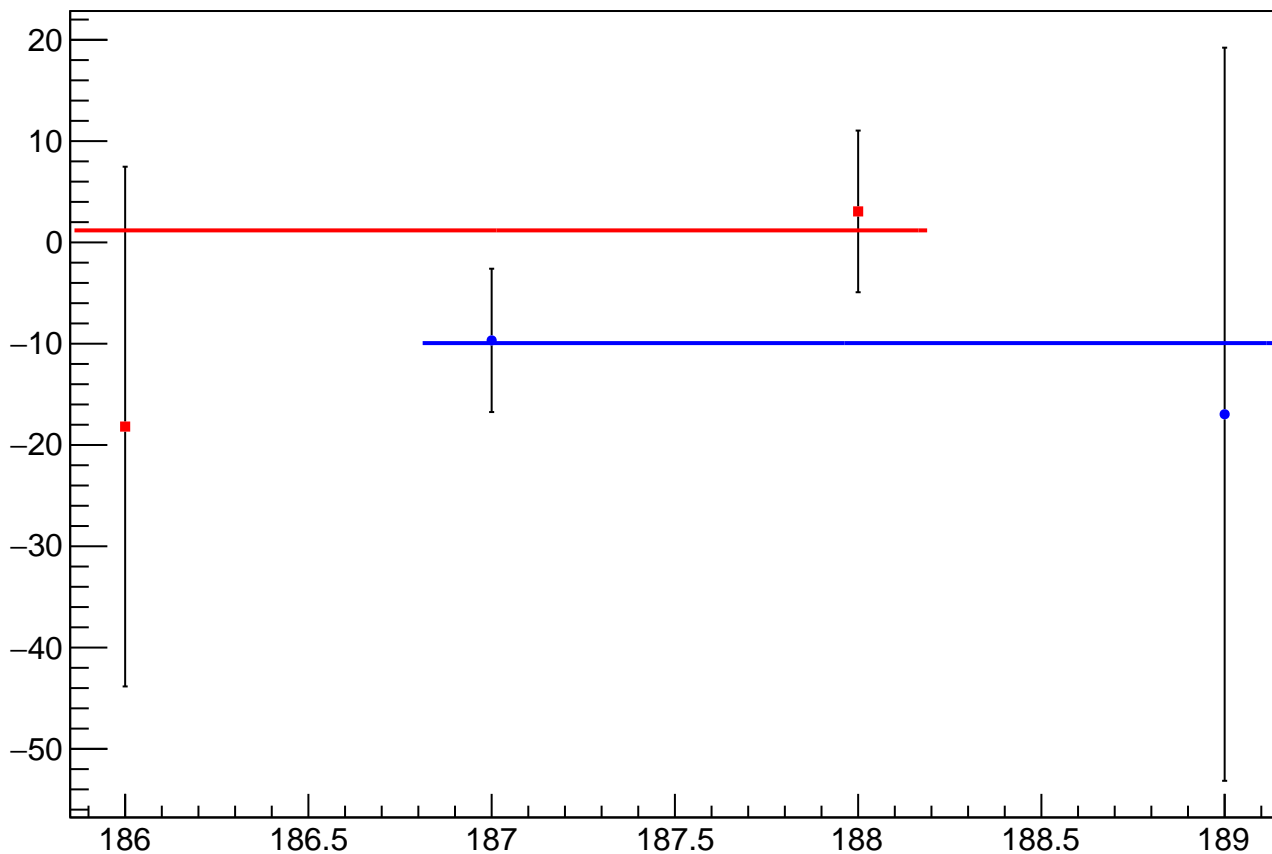
Right: -1.190+/-1.770  $\chi^2$ /NDF: 26.1/3

In: -5.533+/-2.453  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1.190+/-1.770  $\chi^2$ /NDF: 26.1/3

# reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -9.941+/-6.943  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.187+/-7.620  $\chi^2$ /NDF: 0.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

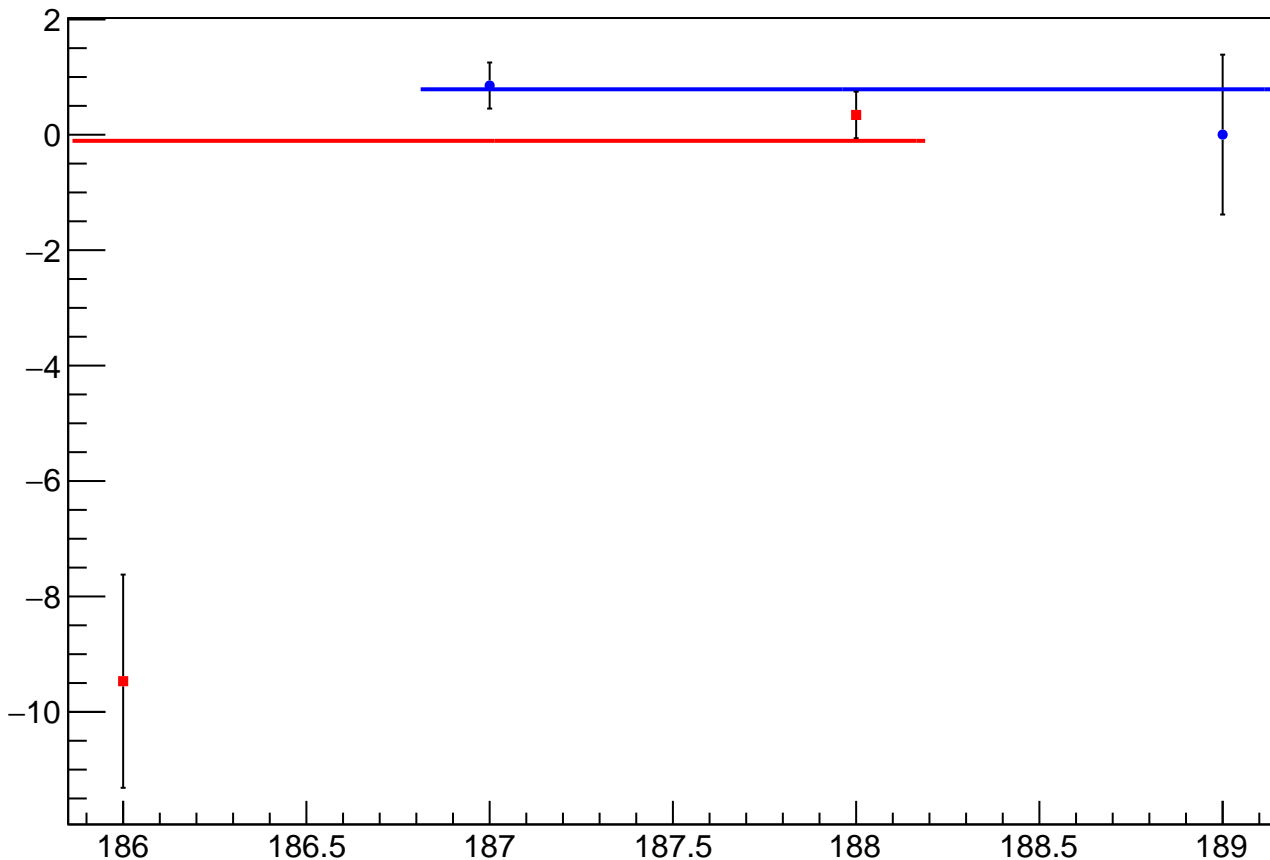
Right: -4.893+/-5.132  $\chi^2$ /NDF: 1.8/3

In: -9.941+/-6.943  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -4.893+/-5.132  $\chi^2$ /NDF: 1.8/3

# reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.787+/-0.383  $\chi^2$ /NDF: 0.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.106+/-0.395  $\chi^2$ /NDF: 26.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

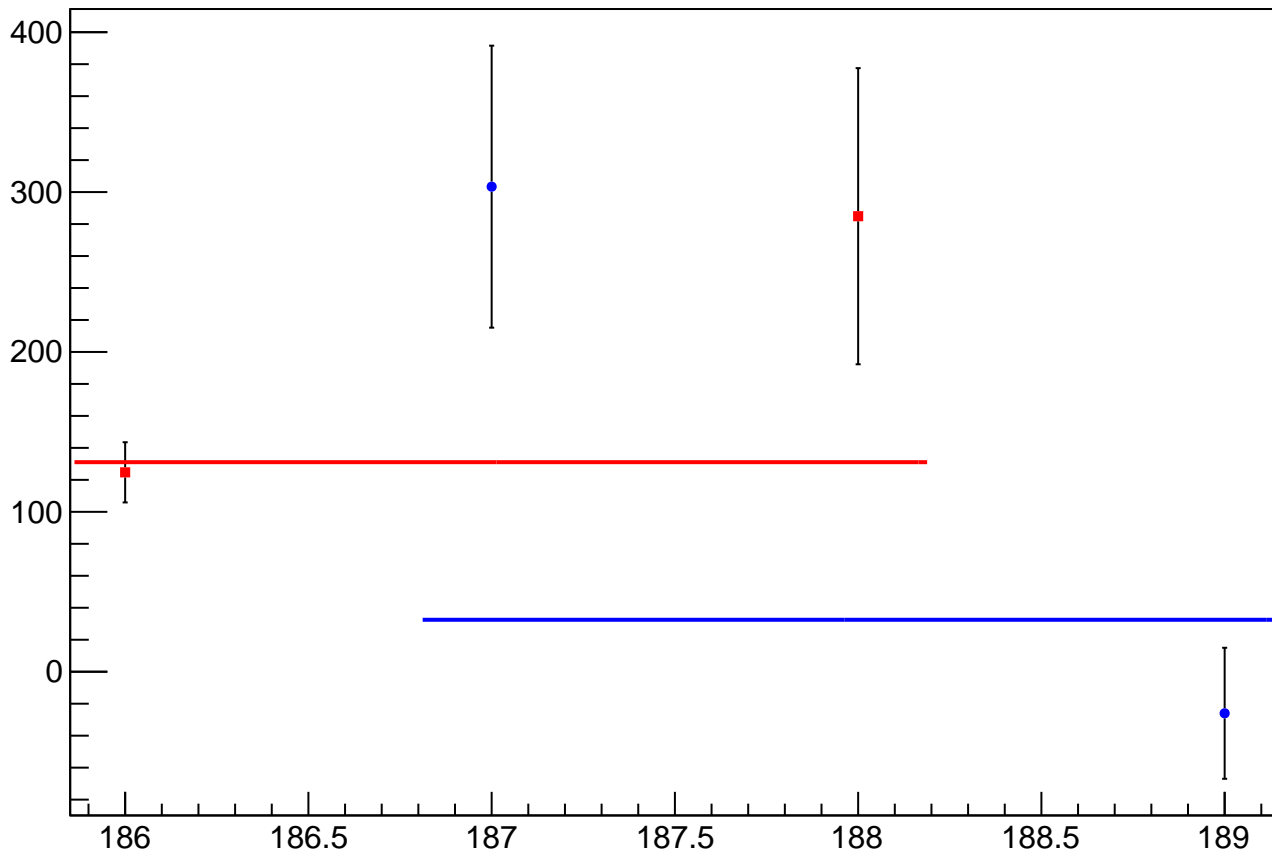
Right: 0.354+/-0.275  $\chi^2$ /NDF: 29.9/3

In: 0.787+/-0.383  $\chi^2$ /NDF:0.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.354+/-0.275  $\chi^2$ /NDF: 29.9/3

# reg\_asym\_dsr\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 32.486+/-37.161  $\chi^2$ /NDF: 11.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 131.060+/-18.444  $\chi^2$ /NDF: 2.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

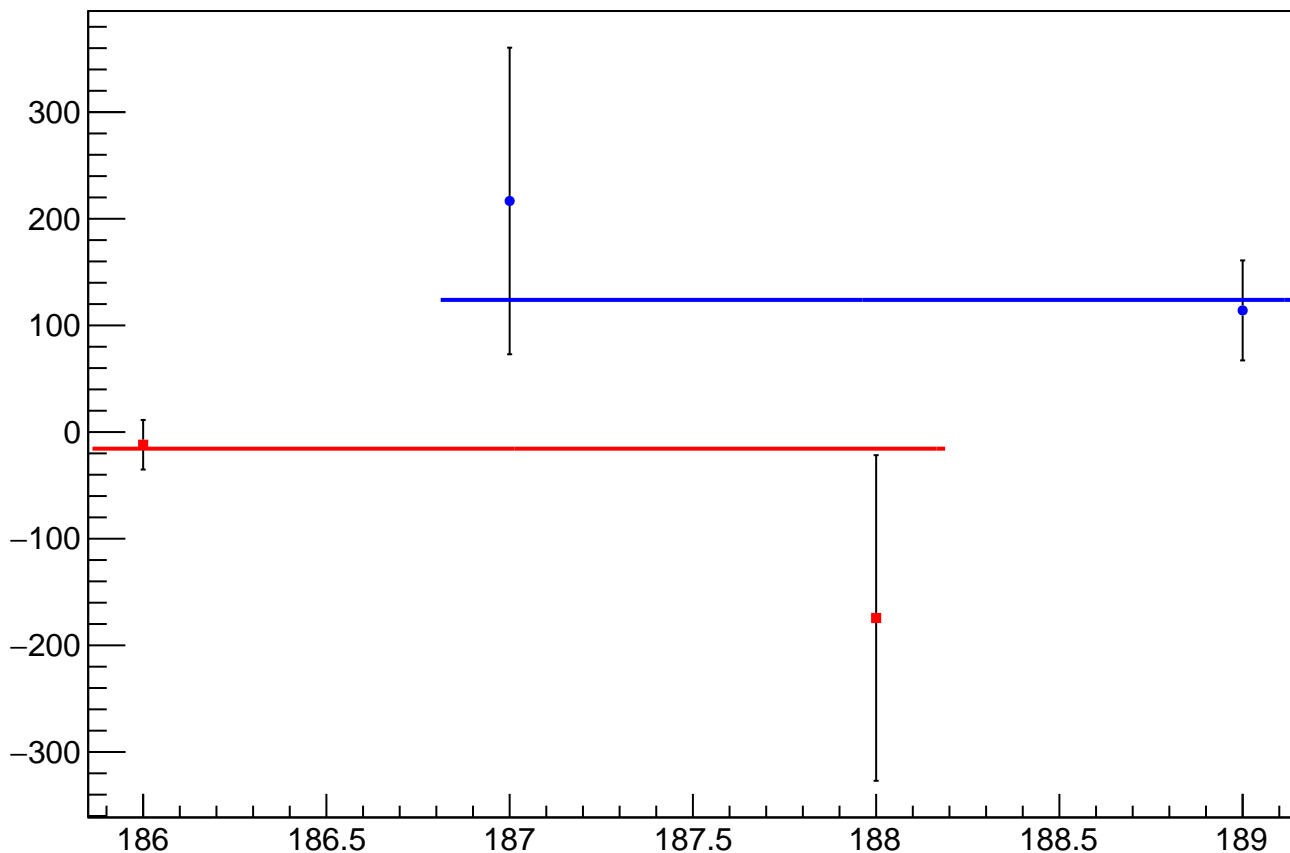
Right: 111.577+/-16.521  $\chi^2$ /NDF: 20.0/3

In: 32.486+/-37.161  $\chi^2$ /NDF:11.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 111.577+/-16.521  $\chi^2$ /NDF: 20.0/3

# reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 123.942 $\pm$ 44.575  $\chi^2$ /NDF: 0.5/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -15.566 $\pm$ 22.984  $\chi^2$ /NDF: 1.1/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 13.736 $\pm$ 20.429  $\chi^2$ /NDF: 9.3/3

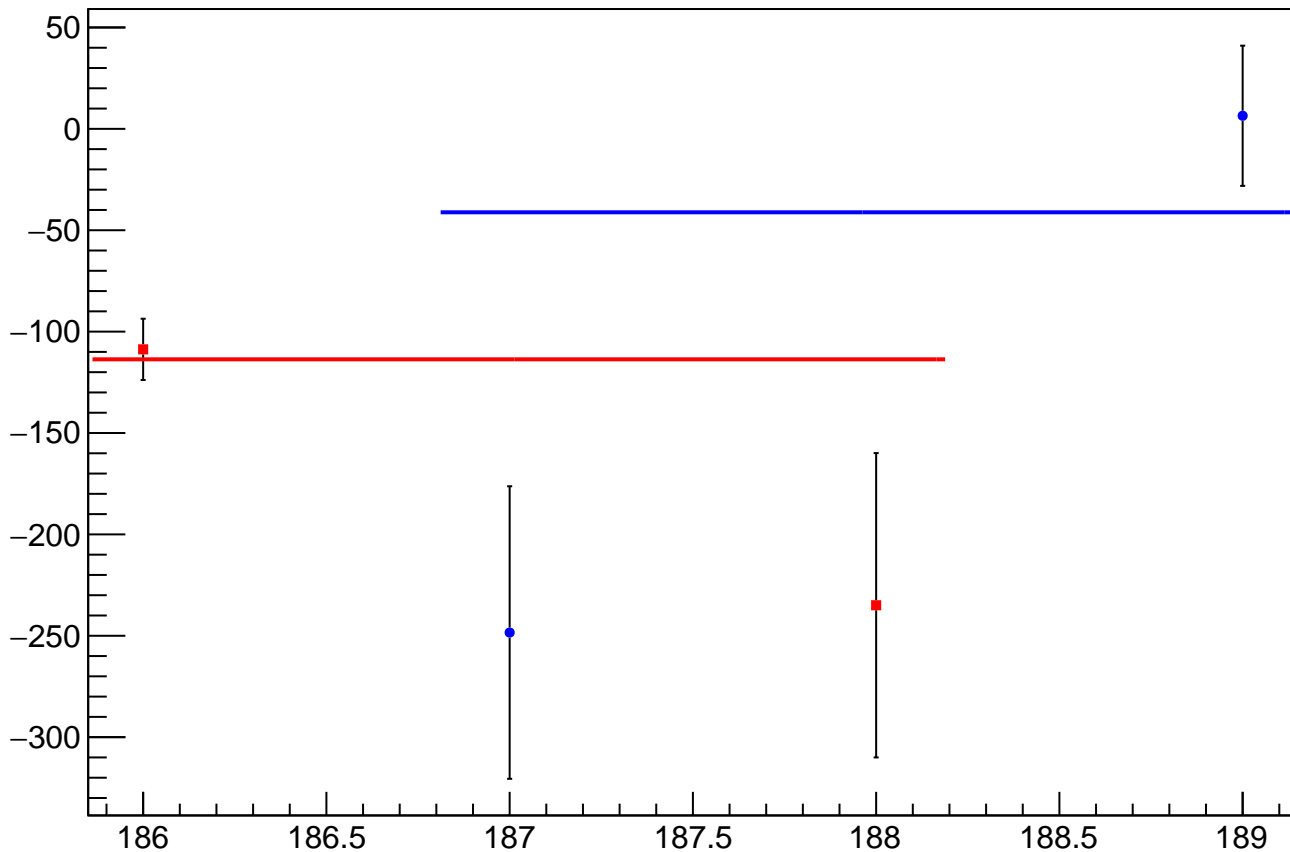
In: 123.942 $\pm$ 44.575  $\chi^2$ /NDF:0.5/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 13.736 $\pm$ 20.429  $\chi^2$ /NDF: 9.3/3



# reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-41.153 \pm 31.175$   $\chi^2/\text{NDF}: 10.2/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-113.659 \pm 14.810$   $\chi^2/\text{NDF}: 2.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

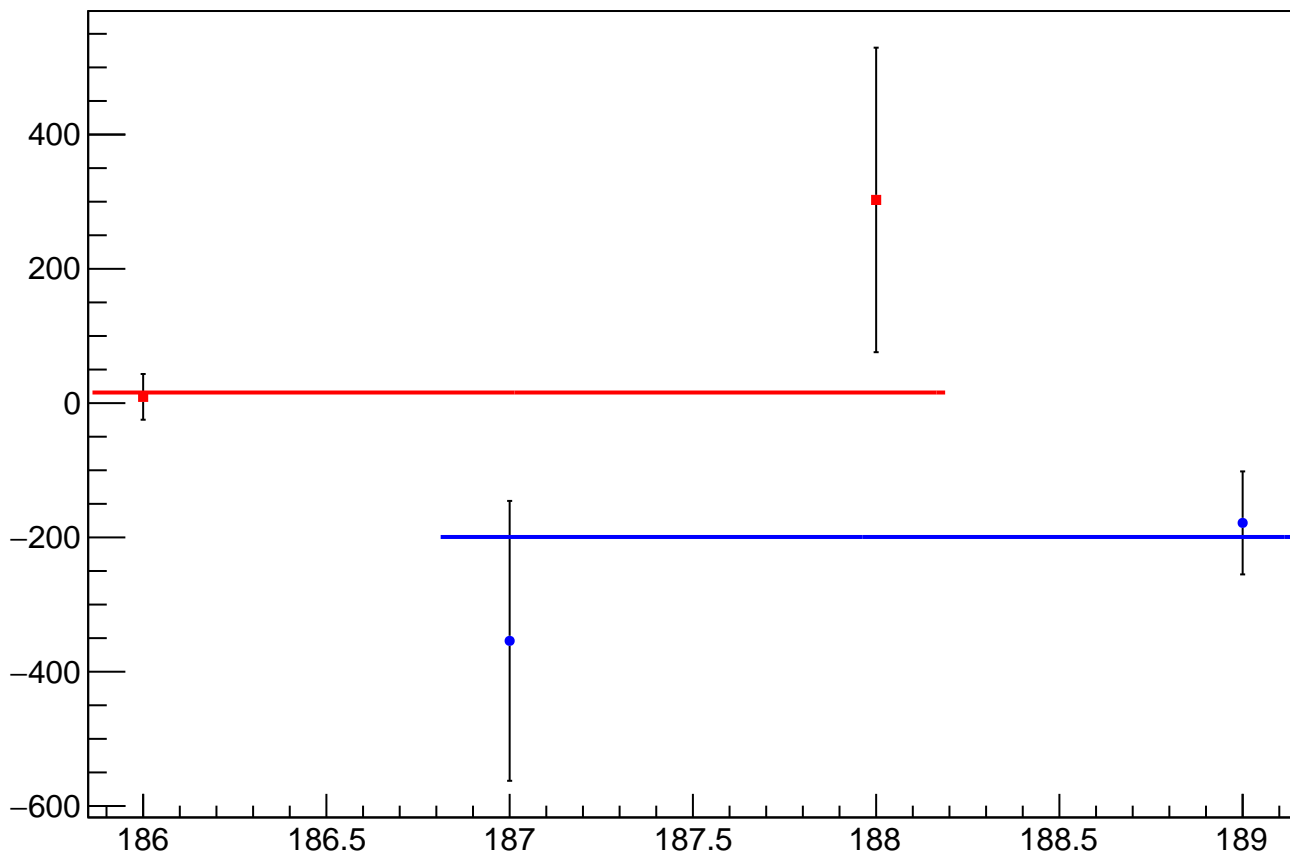
Right:  $-100.309 \pm 13.377$   $\chi^2/\text{NDF}: 17.3/3$

In:  $-41.153 \pm 31.175$   $\chi^2/\text{NDF}: 10.2/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-100.309 \pm 13.377$   $\chi^2/\text{NDF}: 17.3/3$

# reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-199.337 \pm 71.983$   $\chi^2/\text{NDF}: 0.6/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $15.810 \pm 33.672$   $\chi^2/\text{NDF}: 1.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

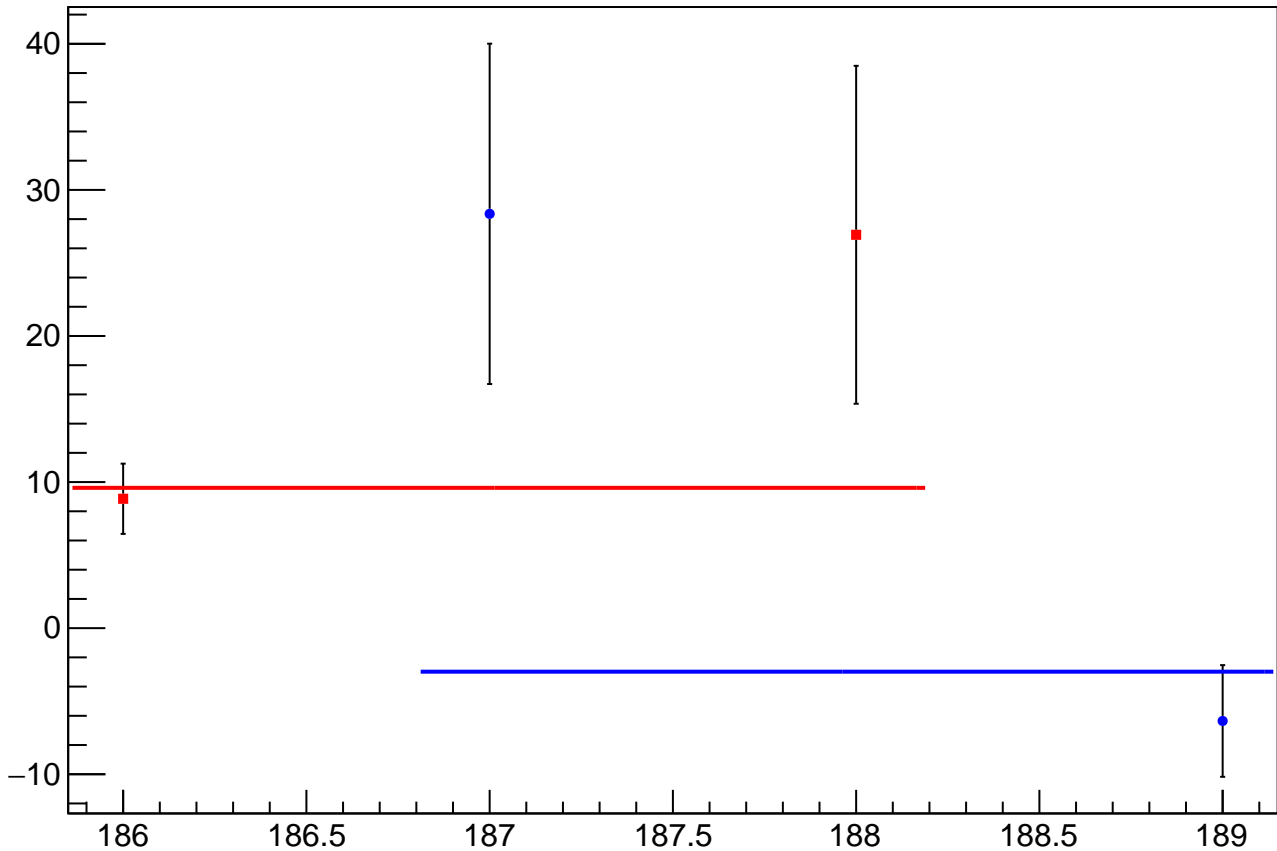
Right:  $-22.816 \pm 30.500$   $\chi^2/\text{NDF}: 9.6/3$

In:  $-199.337 \pm 71.983$   $\chi^2/\text{NDF}: 0.6/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-22.816 \pm 30.500$   $\chi^2/\text{NDF}: 9.6/3$

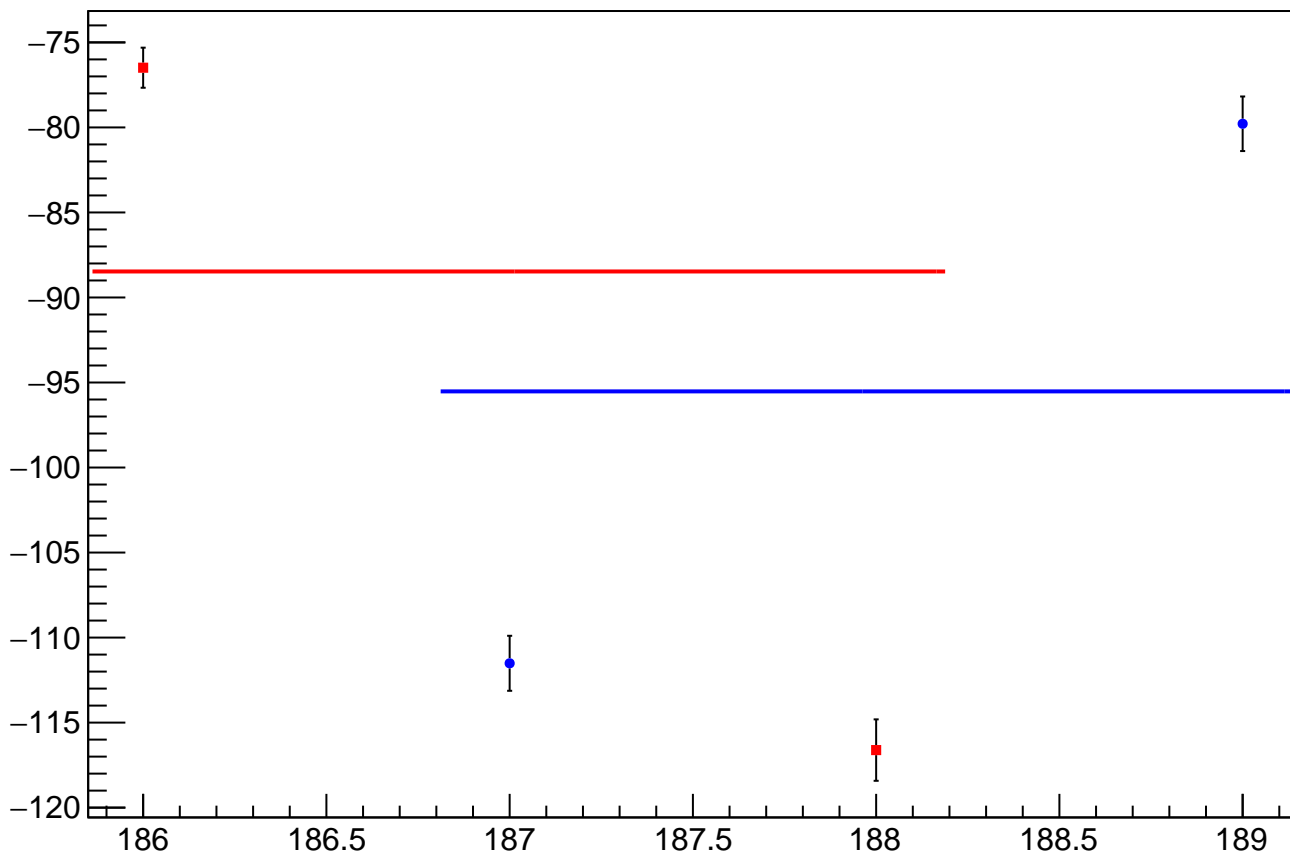
# reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-2.980 \pm 3.631$   $\chi^2/\text{NDF}: 8.0/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $9.606 \pm 2.354$   $\chi^2/\text{NDF}: 2.3/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $5.883 \pm 1.975$   $\chi^2/\text{NDF}: 18.8/3$   
 In:  $-2.980 \pm 3.631$   $\chi^2/\text{NDF}: 8.0/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $5.883 \pm 1.975$   $\chi^2/\text{NDF}: 18.8/3$

# reg\_asym\_us\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-95.522 \pm 1.139$   $\chi^2/\text{NDF}: 193.9/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-88.471 \pm 0.987$   $\chi^2/\text{NDF}: 346.2/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

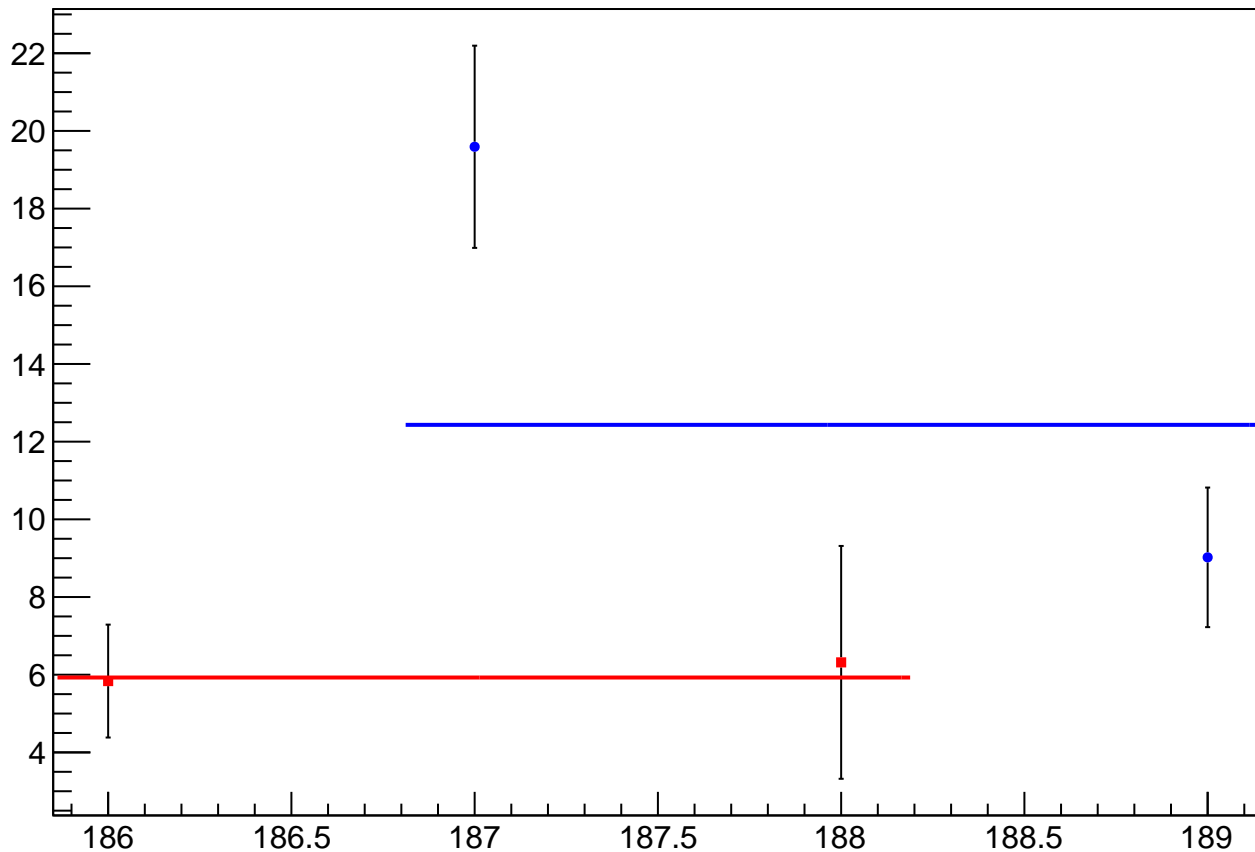
Right:  $-91.495 \pm 0.746$   $\chi^2/\text{NDF}: 562.0/3$

In:  $-95.522 \pm 1.139$   $\chi^2/\text{NDF}: 193.9/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-91.495 \pm 0.746$   $\chi^2/\text{NDF}: 562.0/3$

# reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 12.433±/1.479  $\chi^2$ /NDF: 11.2/1

Left Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Right Out: 5.928±/1.308  $\chi^2$ /NDF: 0.0/1

Left In: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/0.000  $\chi^2$ /NDF: 0.0/0

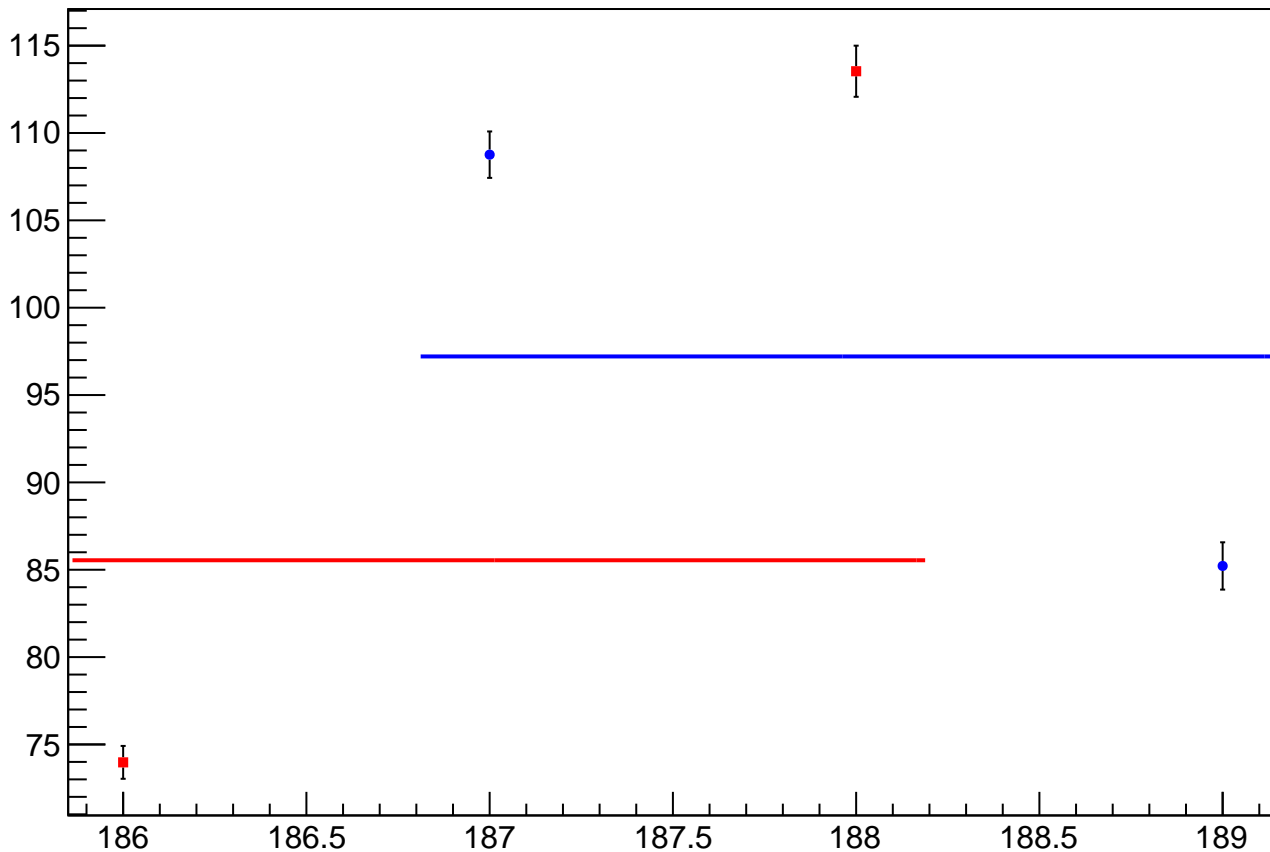
Right: 8.783±/0.980  $\chi^2$ /NDF: 22.0/3

In: 12.433±/1.479  $\chi^2$ /NDF:11.2/1

Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

All: 8.783±/0.980  $\chi^2$ /NDF: 22.0/3

# reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 97.209+/-0.948  $\chi^2$ /NDF: 154.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 85.543+/-0.791  $\chi^2$ /NDF: 517.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

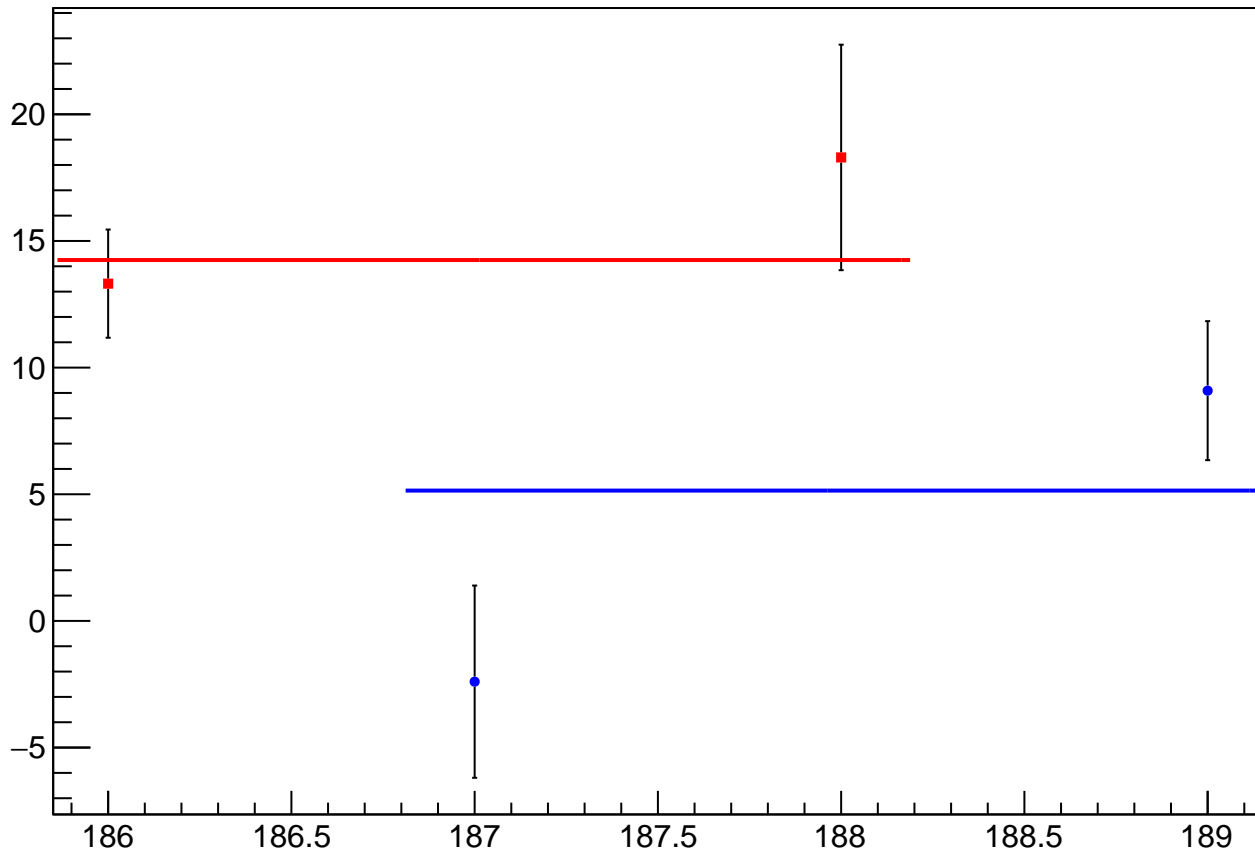
Right: 90.332+/-0.608  $\chi^2$ /NDF: 760.4/3

In: 97.209+/-0.948  $\chi^2$ /NDF:154.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 90.332+/-0.608  $\chi^2$ /NDF: 760.4/3

# reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.145+/-2.224  $\chi^2/\text{NDF}$ : 6.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.247+/-1.925  $\chi^2/\text{NDF}$ : 1.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

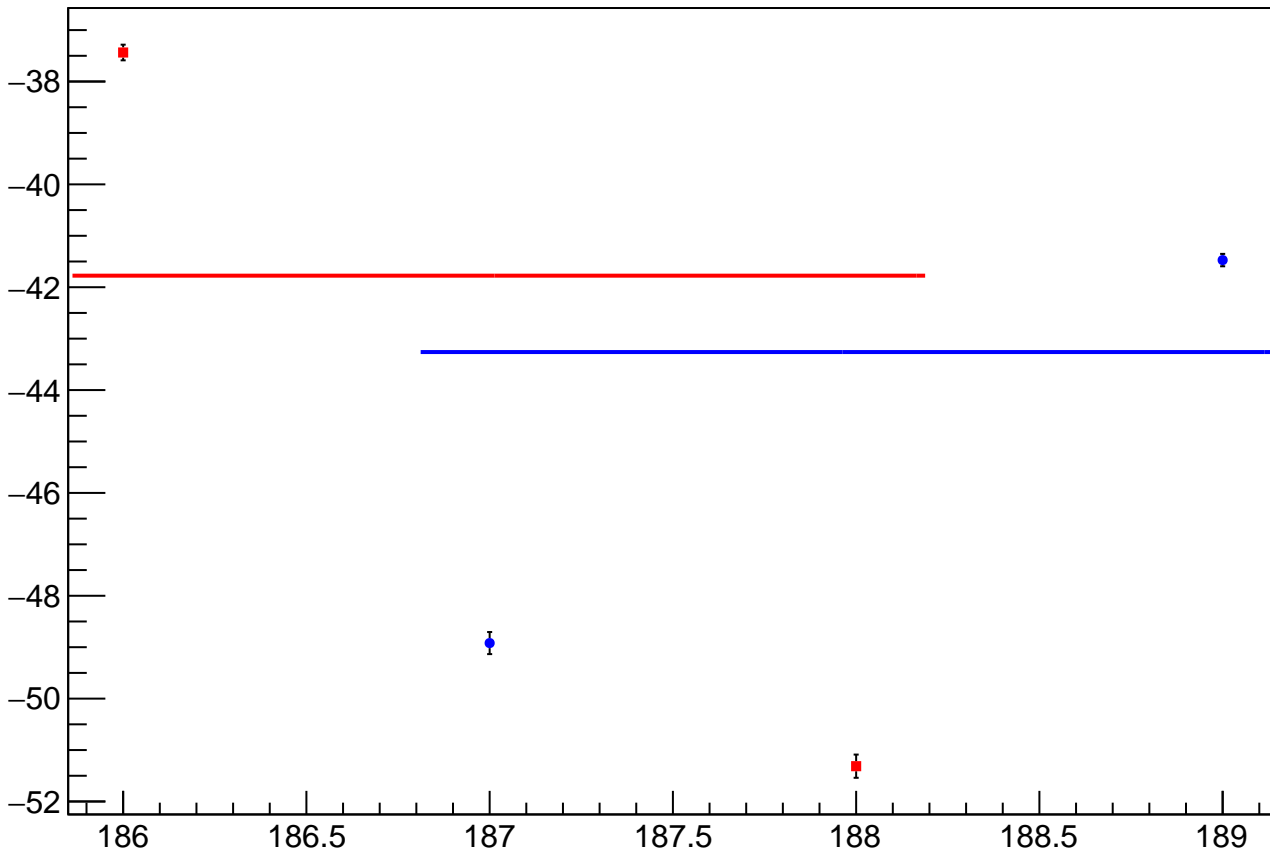
Right: 10.347+/-1.456  $\chi^2/\text{NDF}$ : 16.6/3

In: 5.145+/-2.224  $\chi^2/\text{NDF}$ : 6.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.347+/-1.456  $\chi^2/\text{NDF}$ : 16.6/3

# reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -43.261+/-0.105  $\chi^2$ /NDF: 914.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -41.775+/-0.126  $\chi^2$ /NDF: 2596.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -42.652+/-0.081  $\chi^2$ /NDF: 3592.8/3

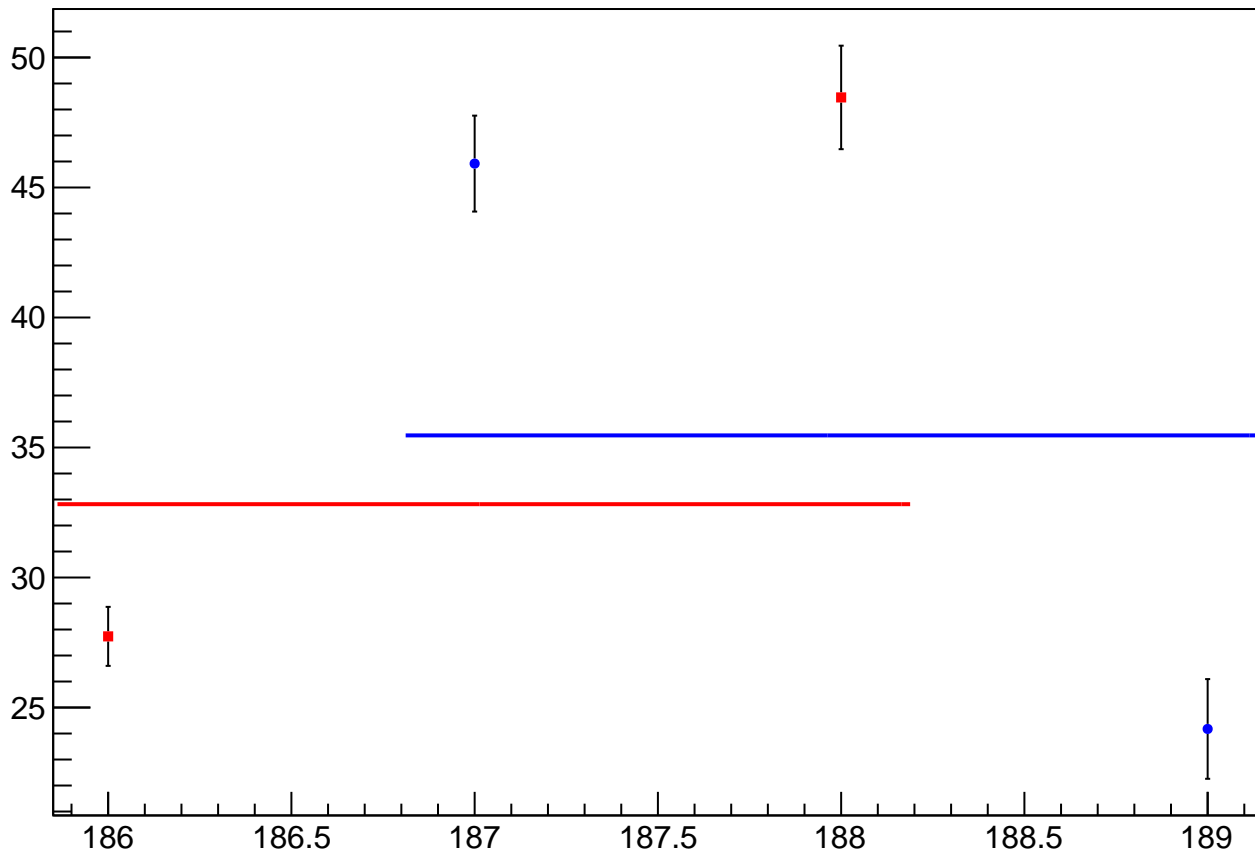
In: -43.261+/-0.105  $\chi^2$ /NDF:914.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -42.652+/-0.081  $\chi^2$ /NDF: 3592.8/3



# reg\_asym\_us\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 35.466+/-1.329  $\chi^2$ /NDF: 66.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 32.820+/-0.986  $\chi^2$ /NDF: 81.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

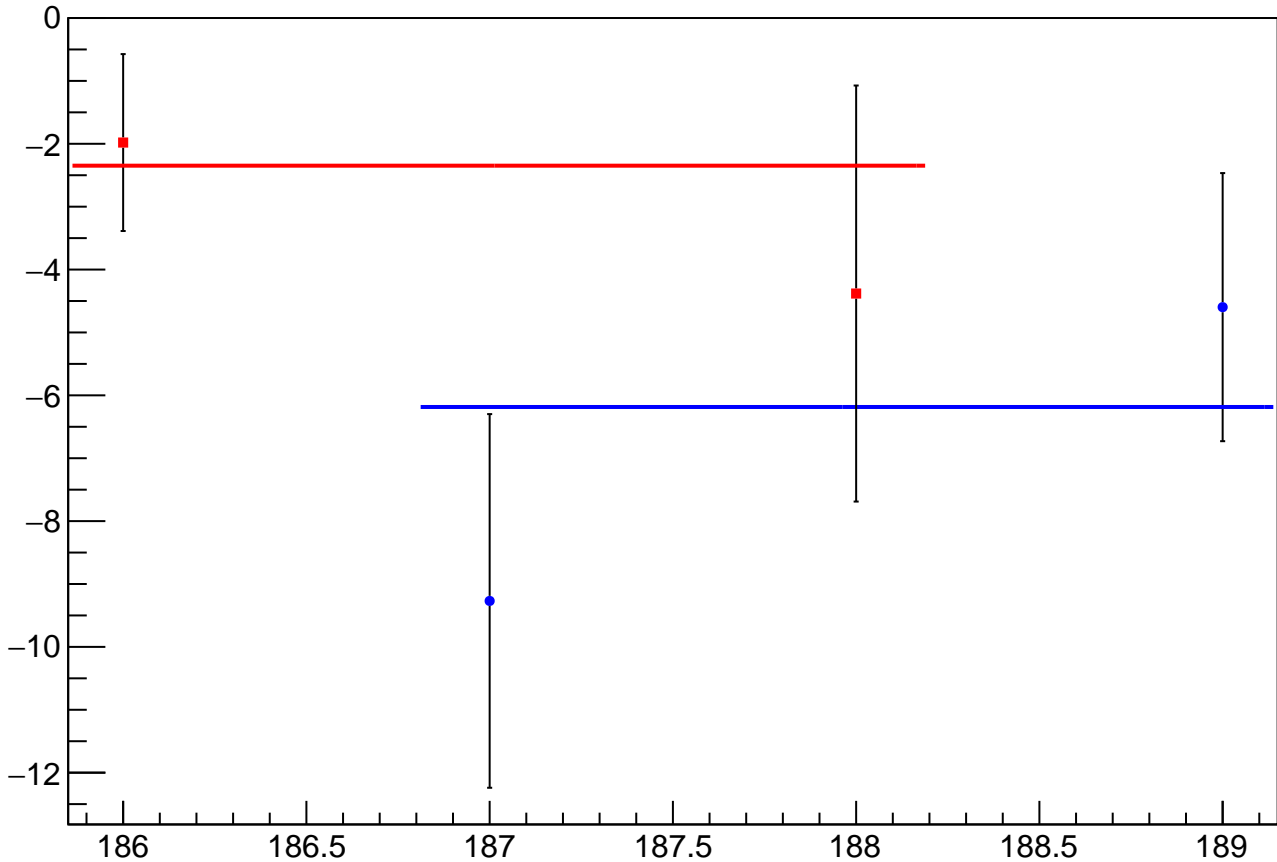
Right: 33.759+/-0.792  $\chi^2$ /NDF: 151.2/3

In: 35.466+/-1.329  $\chi^2$ /NDF:66.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 33.759+/-0.792  $\chi^2$ /NDF: 151.2/3

# reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.185±/1.732  $\chi^2$ /NDF: 1.6/1

Left Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.348±/1.294  $\chi^2$ /NDF: 0.4/1

Left In: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/0.000  $\chi^2$ /NDF: 0.0/0

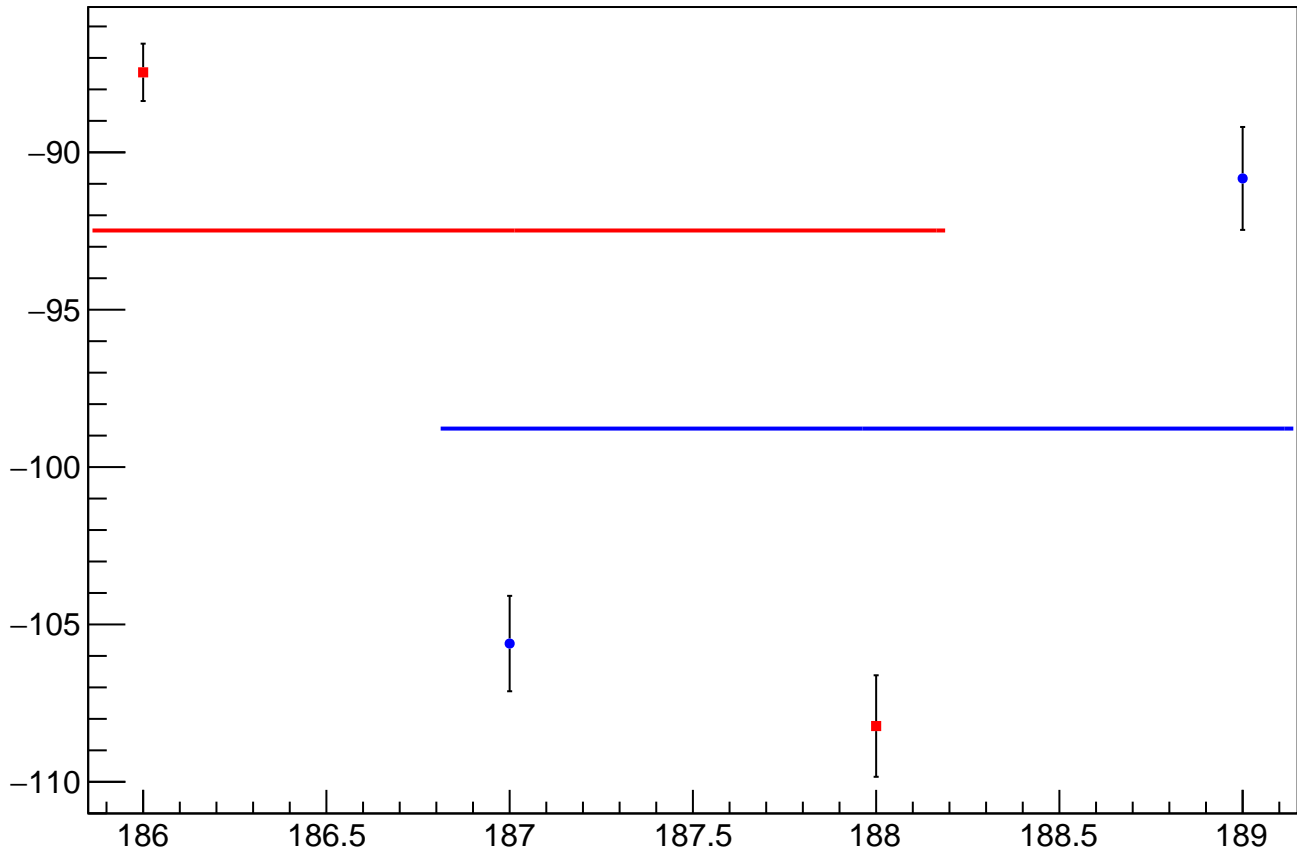
Right: -3.723±/1.037  $\chi^2$ /NDF: 5.2/3

In: -6.185±/1.732  $\chi^2$ /NDF:1.6/1

Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

All: -3.723±/1.037  $\chi^2$ /NDF: 5.2/3

# reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-98.777 \pm 1.112$   $\chi^2/\text{NDF}: 43.9/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-92.483 \pm 0.793$   $\chi^2/\text{NDF}: 125.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

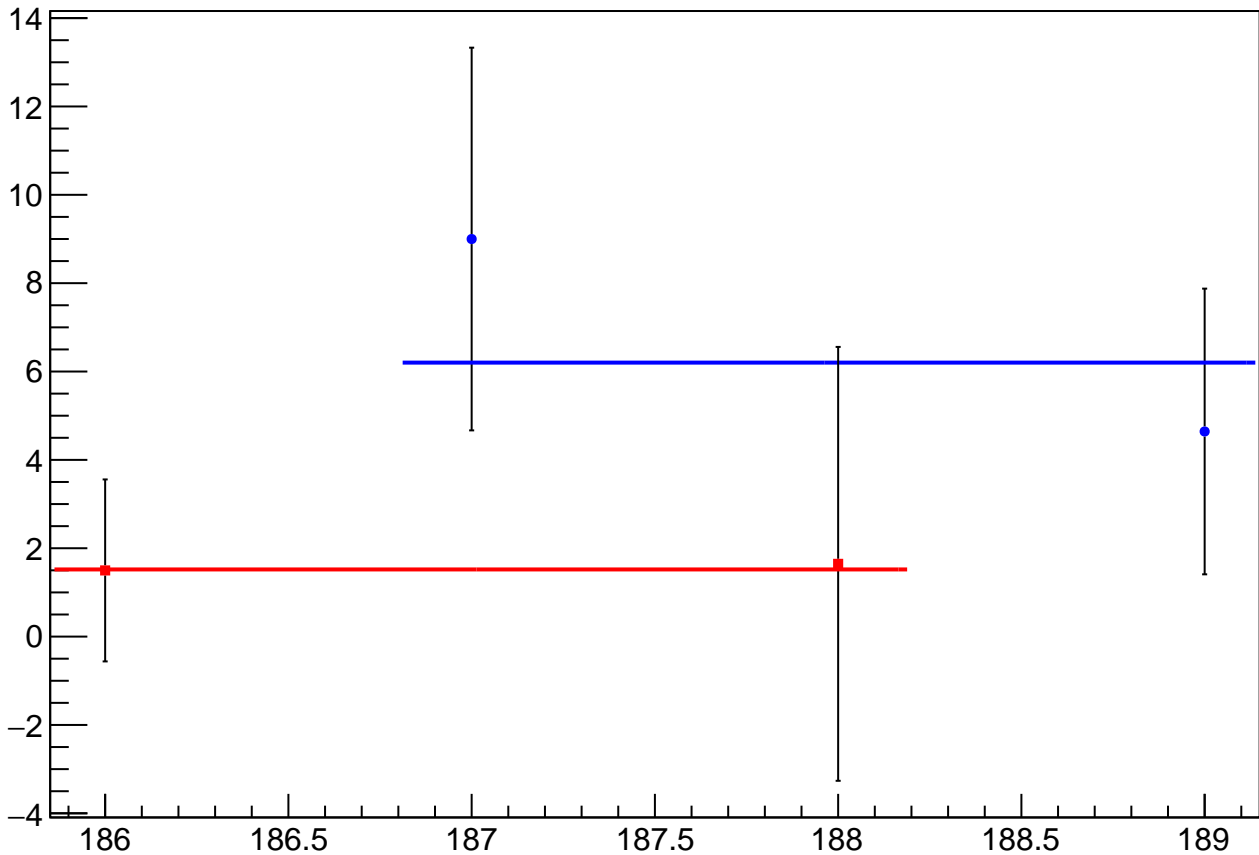
Right:  $-94.607 \pm 0.646$   $\chi^2/\text{NDF}: 190.9/3$

In:  $-98.777 \pm 1.112$   $\chi^2/\text{NDF}: 43.9/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-94.607 \pm 0.646$   $\chi^2/\text{NDF}: 190.9/3$

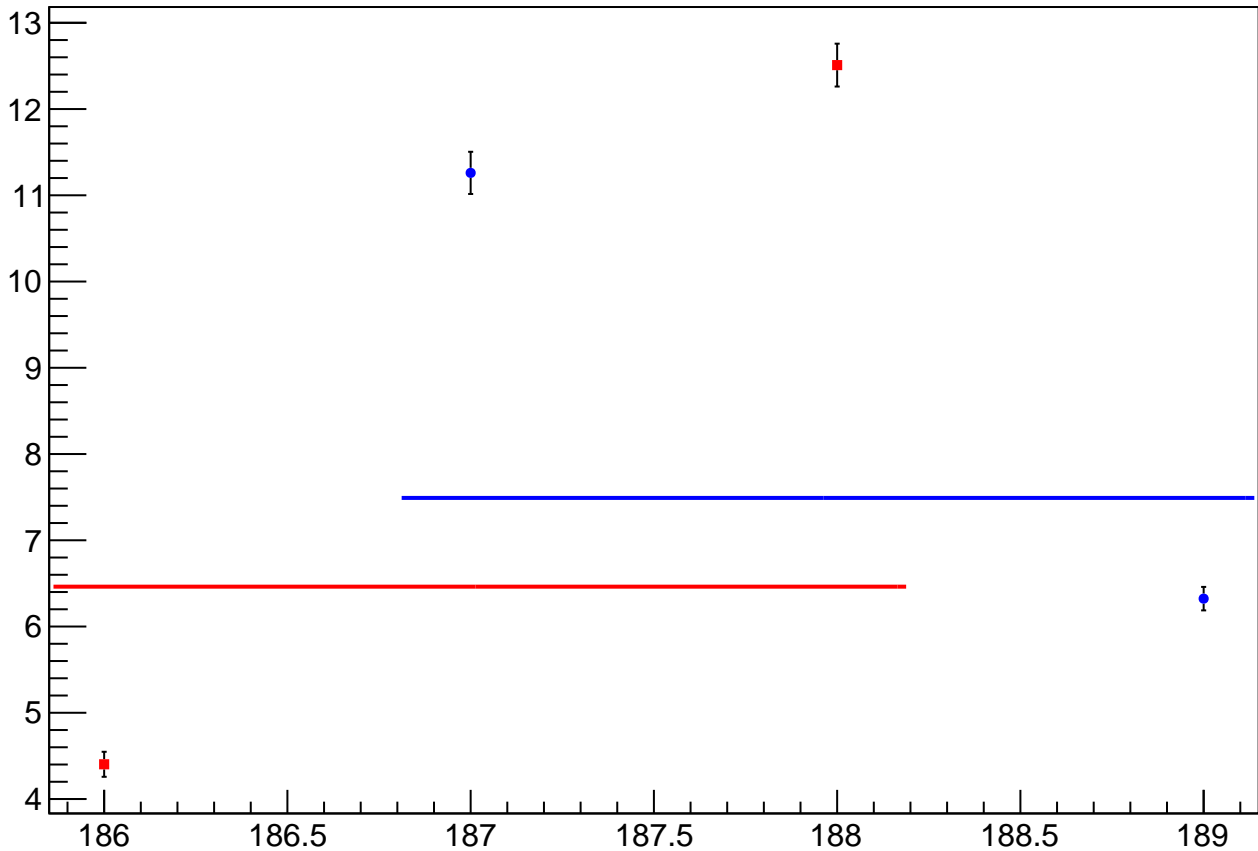
# reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 6.202 $\pm$ 2.591  $\chi^2$ /NDF: 0.6/1  
 Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: 1.520 $\pm$ 1.899  $\chi^2$ /NDF: 0.0/1  
 Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0  
 Right: 3.156 $\pm$ 1.532  $\chi^2$ /NDF: 2.8/3  
 In: 6.202 $\pm$ 2.591  $\chi^2$ /NDF:0.6/1  
 Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0  
 All: 3.156 $\pm$ 1.532  $\chi^2$ /NDF: 2.8/3

# reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 7.491+/-0.119  $\chi^2$ /NDF: 311.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6.462+/-0.125  $\chi^2$ /NDF: 793.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

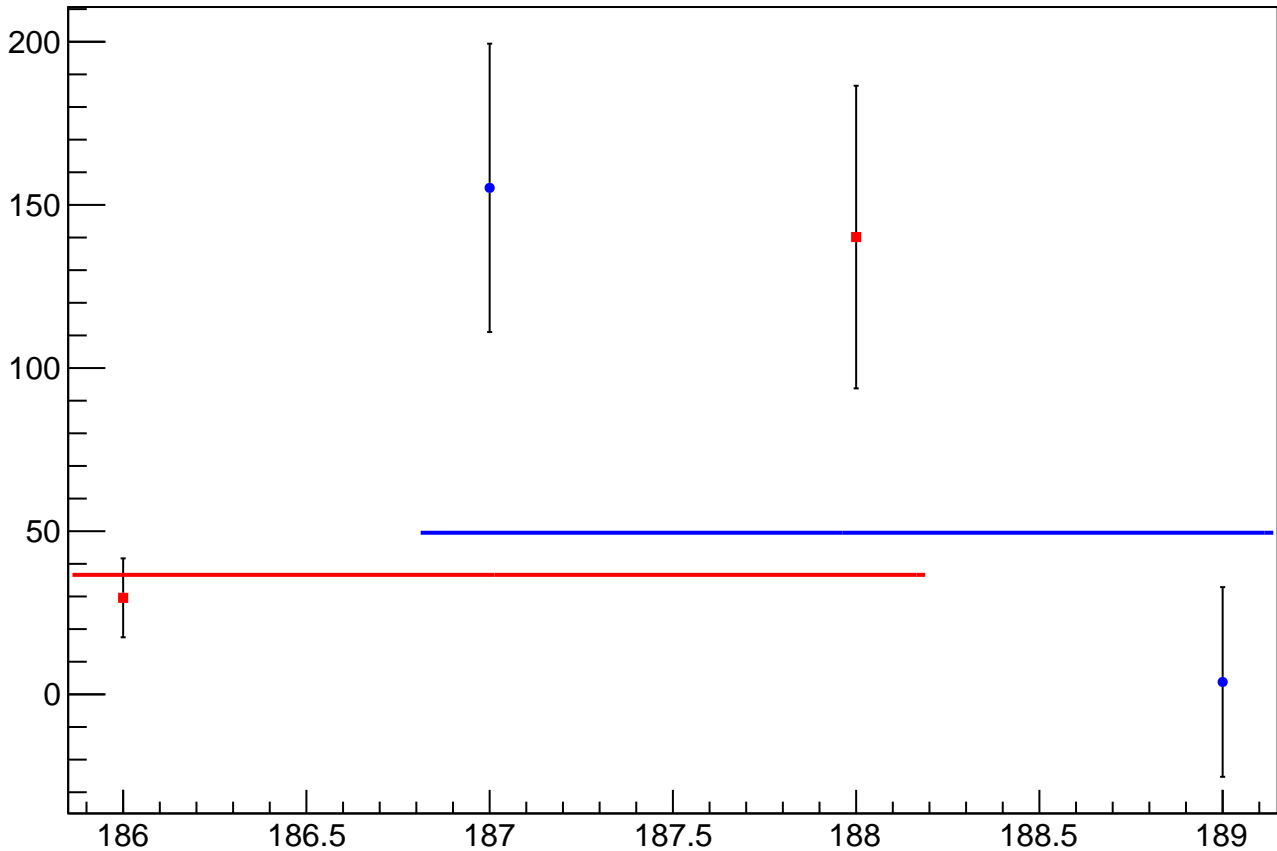
Right: 7.003+/-0.086  $\chi^2$ /NDF: 1140.3/3

In: 7.491+/-0.119  $\chi^2$ /NDF:311.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 7.003+/-0.086  $\chi^2$ /NDF: 1140.3/3

# reg\_asym\_ds\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 49.527+/-24.282  $\chi^2$ /NDF: 8.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 36.622+/-11.701  $\chi^2$ /NDF: 5.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

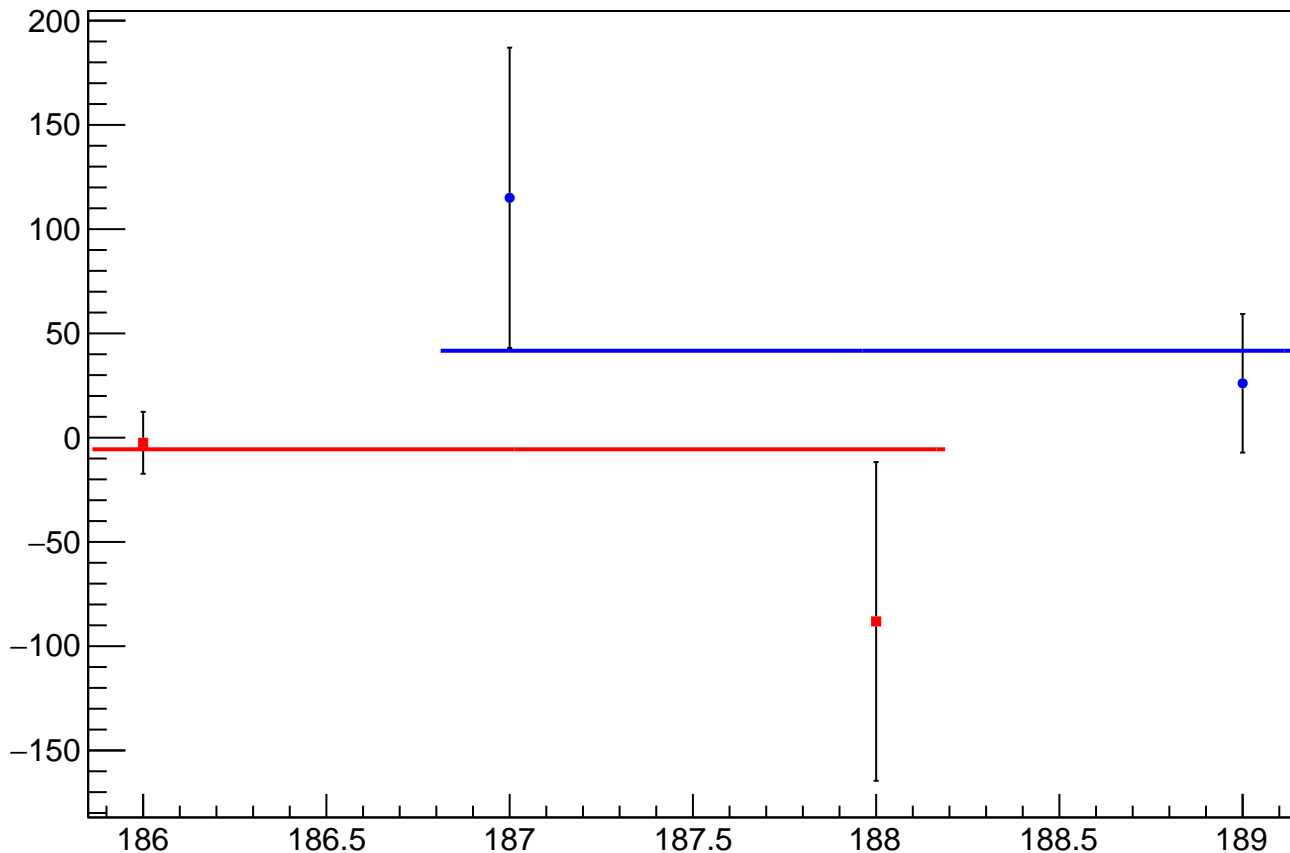
Right: 39.054+/-10.541  $\chi^2$ /NDF: 13.7/3

In: 49.527+/-24.282  $\chi^2$ /NDF:8.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 39.054+/-10.541  $\chi^2$ /NDF: 13.7/3

# reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 41.688+/-30.175  $\chi^2$ /NDF: 1.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5.577+/-14.580  $\chi^2$ /NDF: 1.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

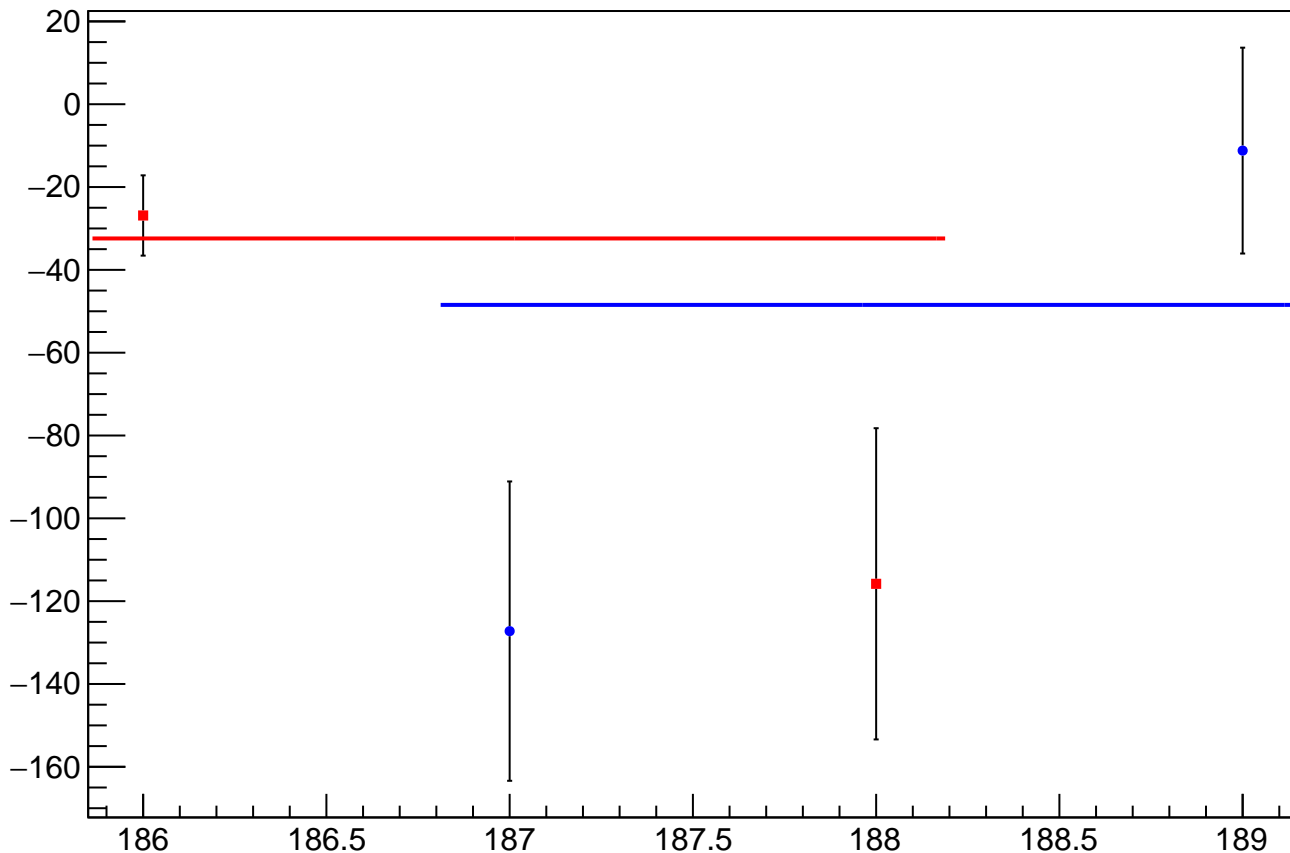
Right: 3.369+/-13.128  $\chi^2$ /NDF: 4.5/3

In: 41.688+/-30.175  $\chi^2$ /NDF:1.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 3.369+/-13.128  $\chi^2$ /NDF: 4.5/3

reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-35.201 \pm 8.532$   $\chi^2/\text{NDF}: 12.8/3$

In:  $-48.459 \pm 20.480$   $\chi^2/\text{NDF}: 7.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-35.201 \pm 8.532$   $\chi^2/\text{NDF}: 12.8/3$

Right In:  $-48.459 \pm 20.480$   $\chi^2/\text{NDF}: 7.0/1$

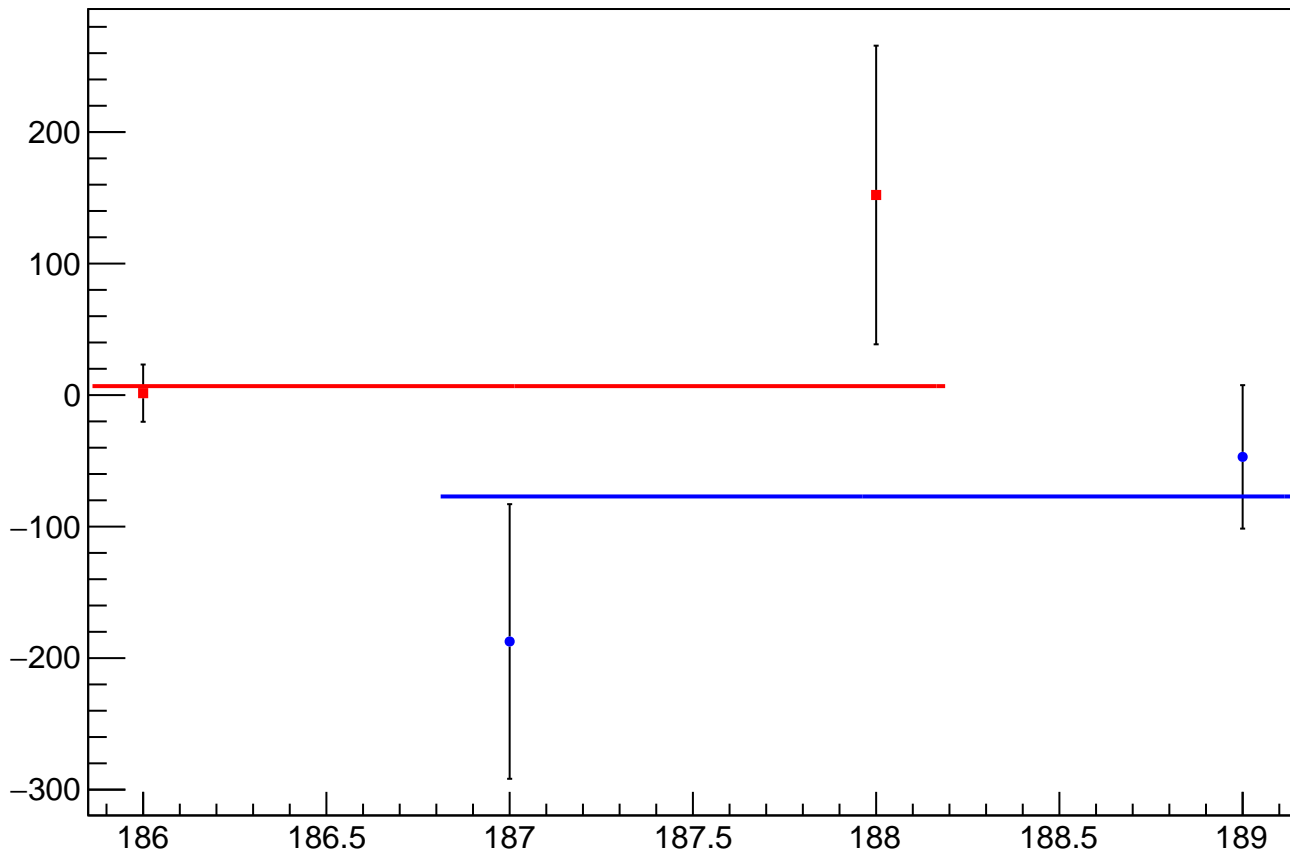
Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-32.417 \pm 9.386$   $\chi^2/\text{NDF}: 5.3/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$



# reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -6.900+/-19.550  $\chi^2$ /NDF: 5.6/3

In: -77.075+/-48.345  $\chi^2$ /NDF:1.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -6.900+/-19.550  $\chi^2$ /NDF: 5.6/3

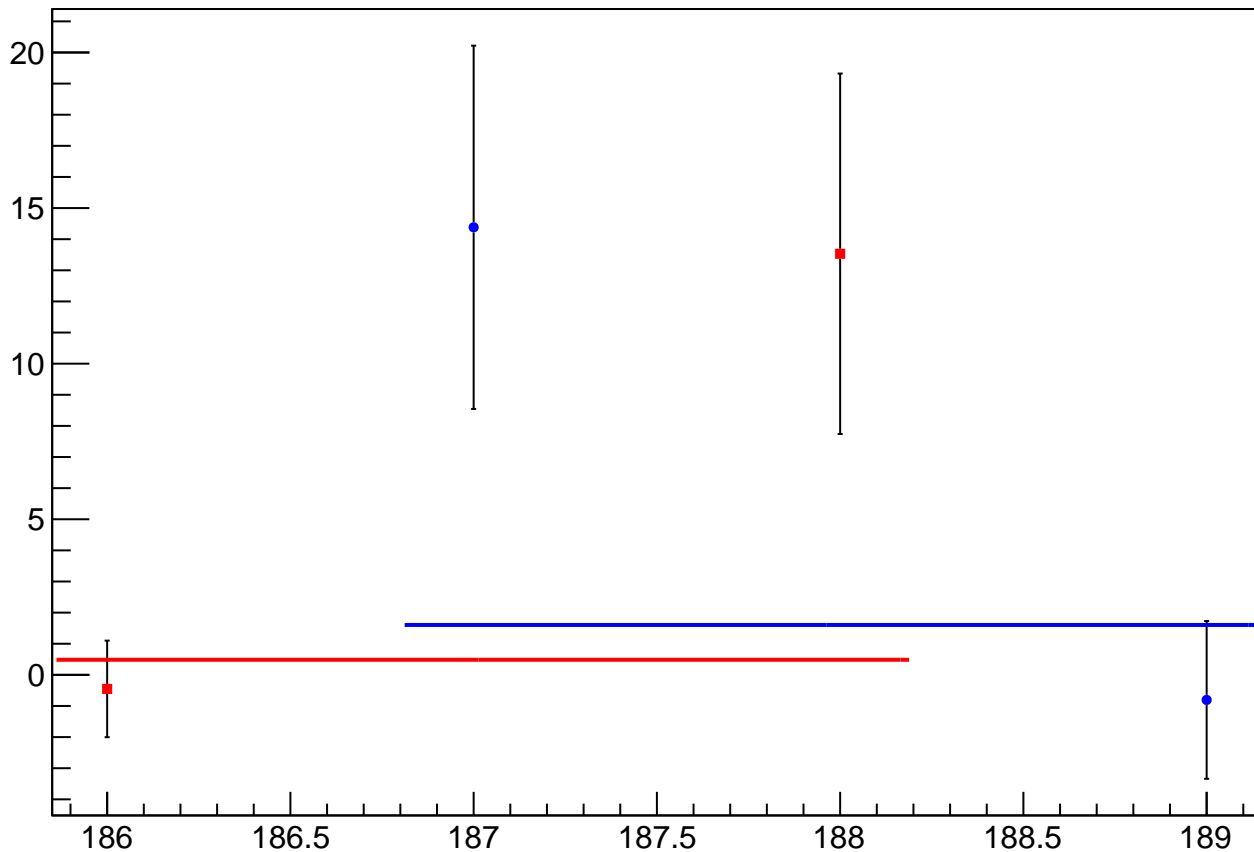
Right In: -77.075+/-48.345  $\chi^2$ /NDF: 1.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6.818+/-21.375  $\chi^2$ /NDF: 1.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

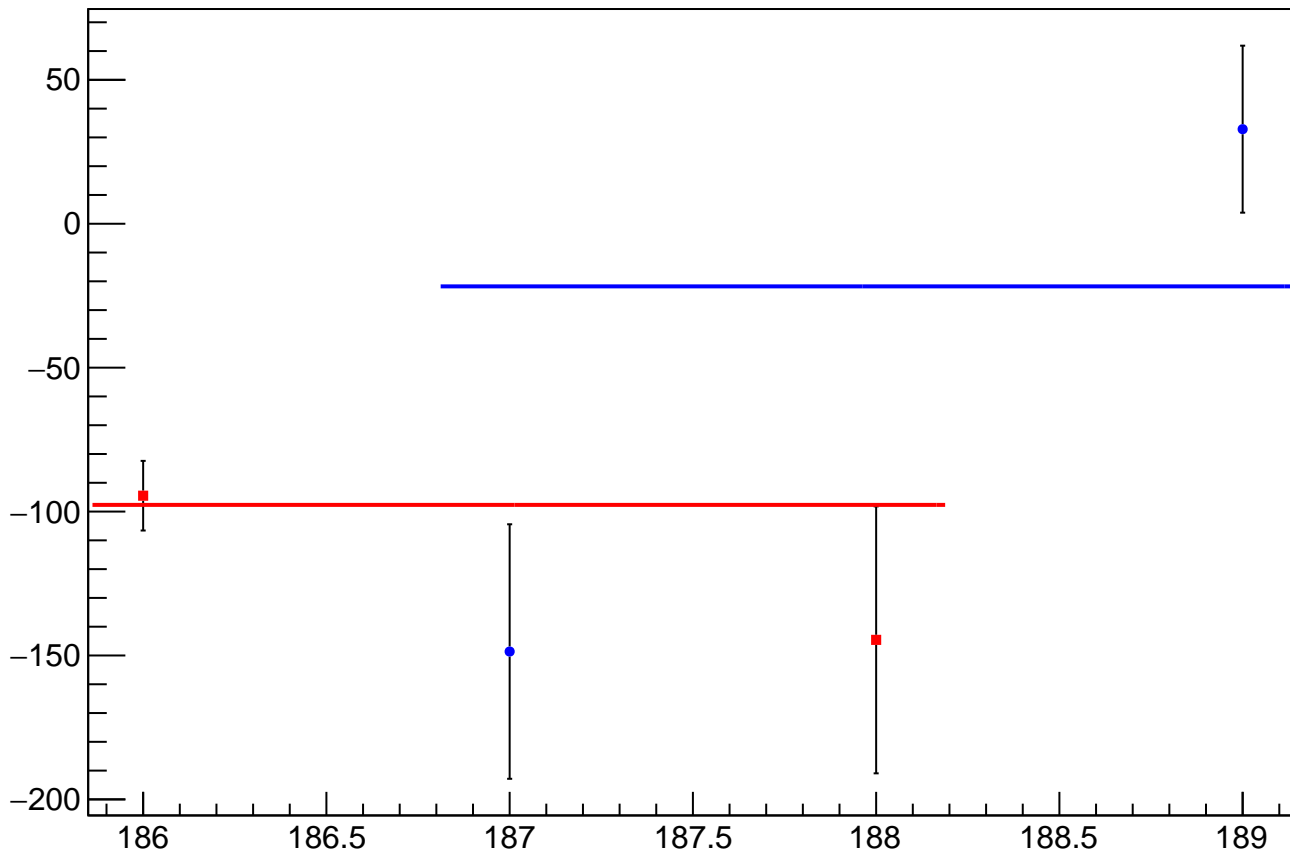
reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 1.603+/-2.325  $\chi^2$ /NDF: 5.7/1  
 Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: 0.485+/-1.499  $\chi^2$ /NDF: 5.4/1  
 Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
 Right: 0.813+/-1.260  $\chi^2$ /NDF: 11.3/3  
 In: 1.603+/-2.325  $\chi^2$ /NDF:5.7/1  
 Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 All: 0.813+/-1.260  $\chi^2$ /NDF: 11.3/3

# reg\_asym\_ds\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -21.759±-24.256  $\chi^2$ /NDF: 11.8/1

Left Out: 0.000±-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -97.678±-11.706  $\chi^2$ /NDF: 1.1/1

Left In: 0.000±-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±-0.000  $\chi^2$ /NDF: 0.0/0

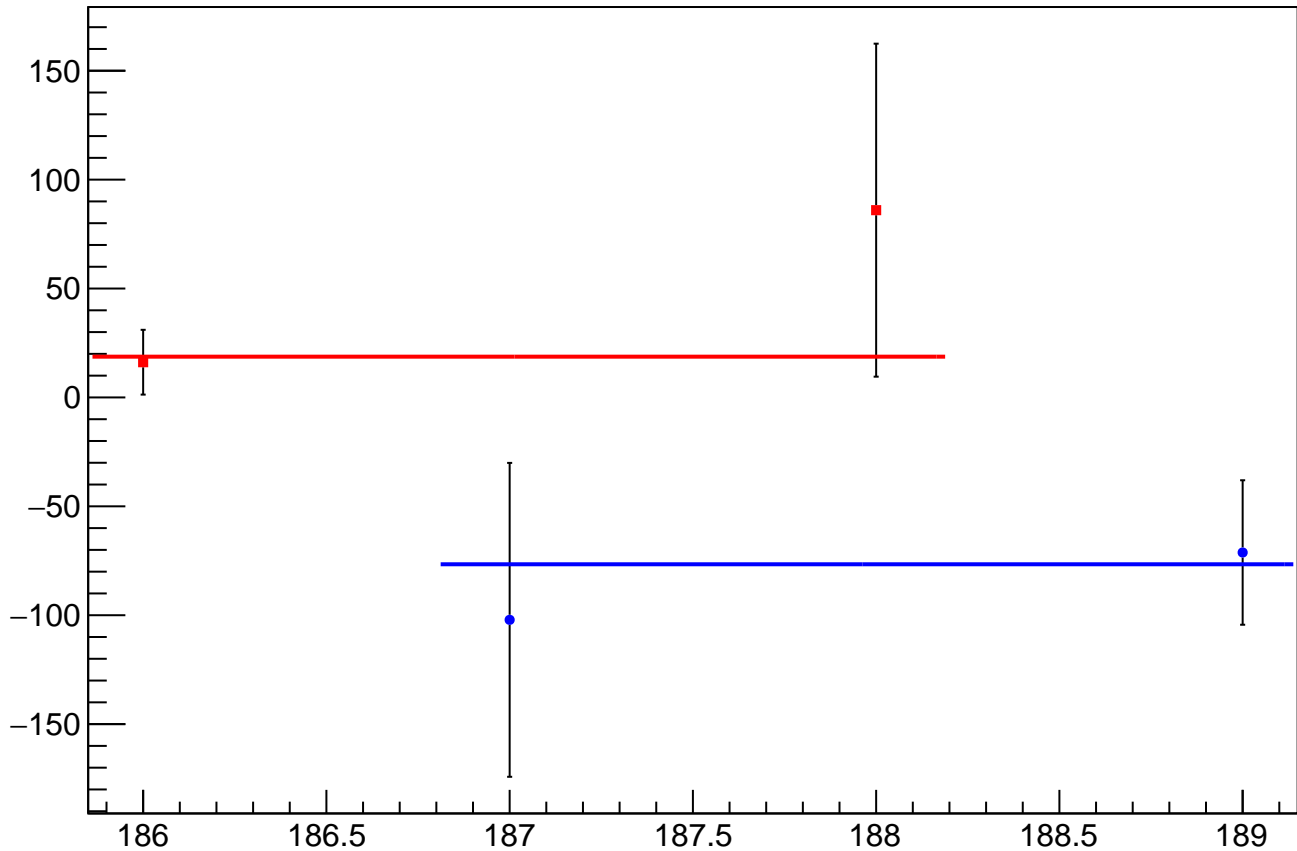
Right: -83.337±-10.543  $\chi^2$ /NDF: 20.8/3

In: -21.759±-24.256  $\chi^2$ /NDF:11.8/1

Out: 0.000±-0.000  $\chi^2$ /NDF:0.0/0

All: -83.337±-10.543  $\chi^2$ /NDF: 20.8/3

# reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-76.608 \pm 30.130$   $\chi^2/\text{NDF}: 0.2/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $18.716 \pm 14.600$   $\chi^2/\text{NDF}: 0.8/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

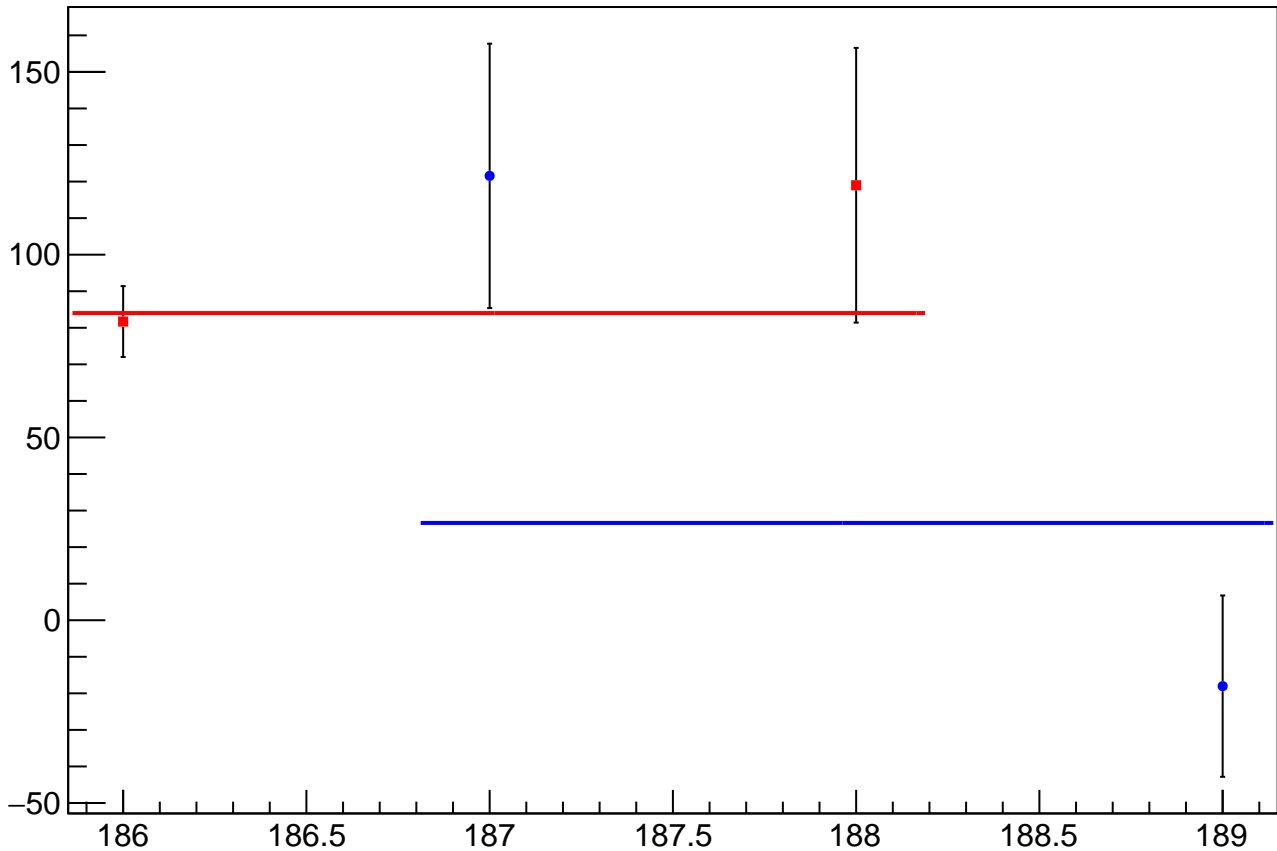
Right:  $0.590 \pm 13.139$   $\chi^2/\text{NDF}: 9.1/3$

In:  $-76.608 \pm 30.130$   $\chi^2/\text{NDF}: 0.2/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $0.590 \pm 13.139$   $\chi^2/\text{NDF}: 9.1/3$

# reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 26.616±/-20.453  $\chi^2$ /NDF: 10.1/1

Left Out: 0.000±/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 84.034±/-9.391  $\chi^2$ /NDF: 0.9/1

Left In: 0.000±/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/-0.000  $\chi^2$ /NDF: 0.0/0

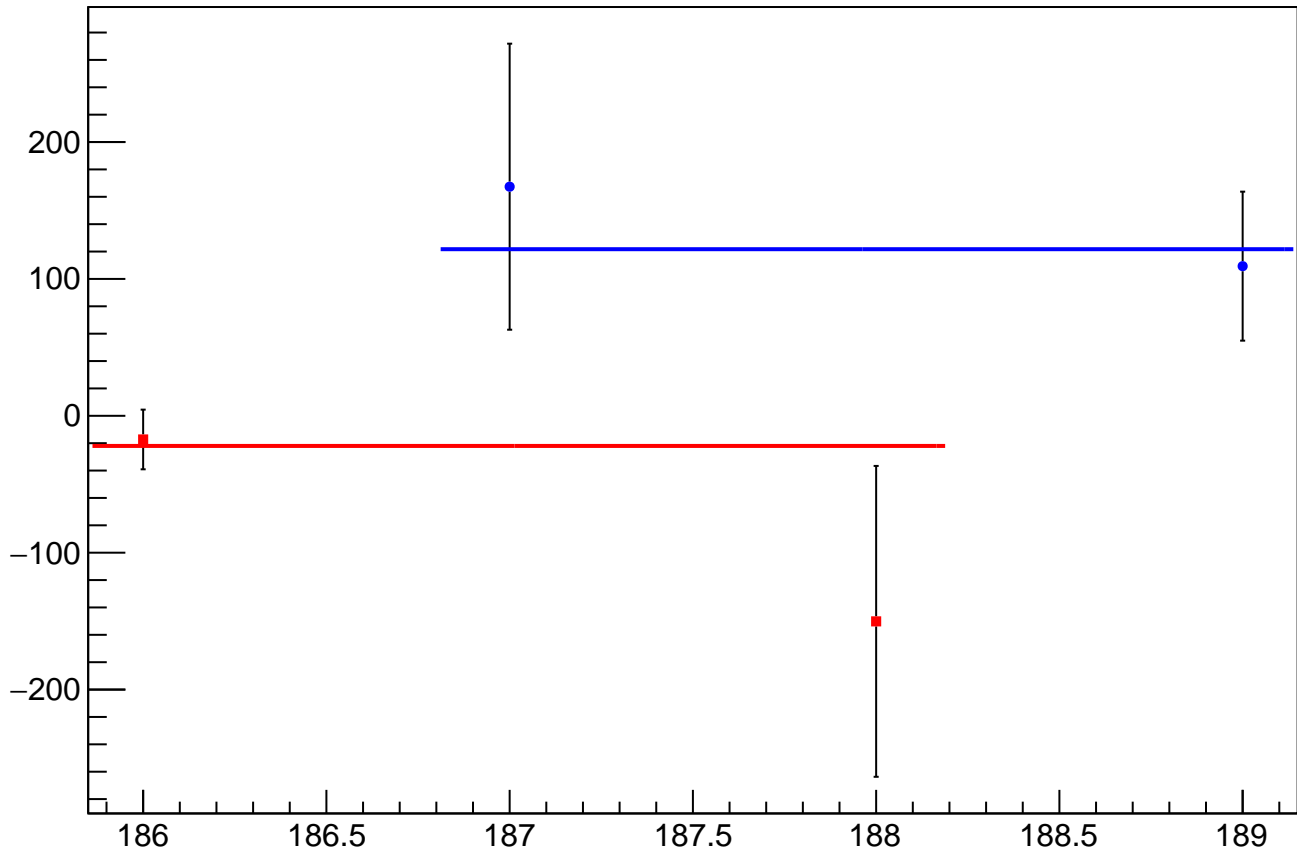
Right: 74.038±/-8.534  $\chi^2$ /NDF: 17.6/3

In: 26.616±/-20.453  $\chi^2$ /NDF:10.1/1

Out: 0.000±/-0.000  $\chi^2$ /NDF:0.0/0

All: 74.038±/-8.534  $\chi^2$ /NDF: 17.6/3

# reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 121.718+/-48.269  $\chi^2$ /NDF: 0.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -22.008+/-21.405  $\chi^2$ /NDF: 1.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

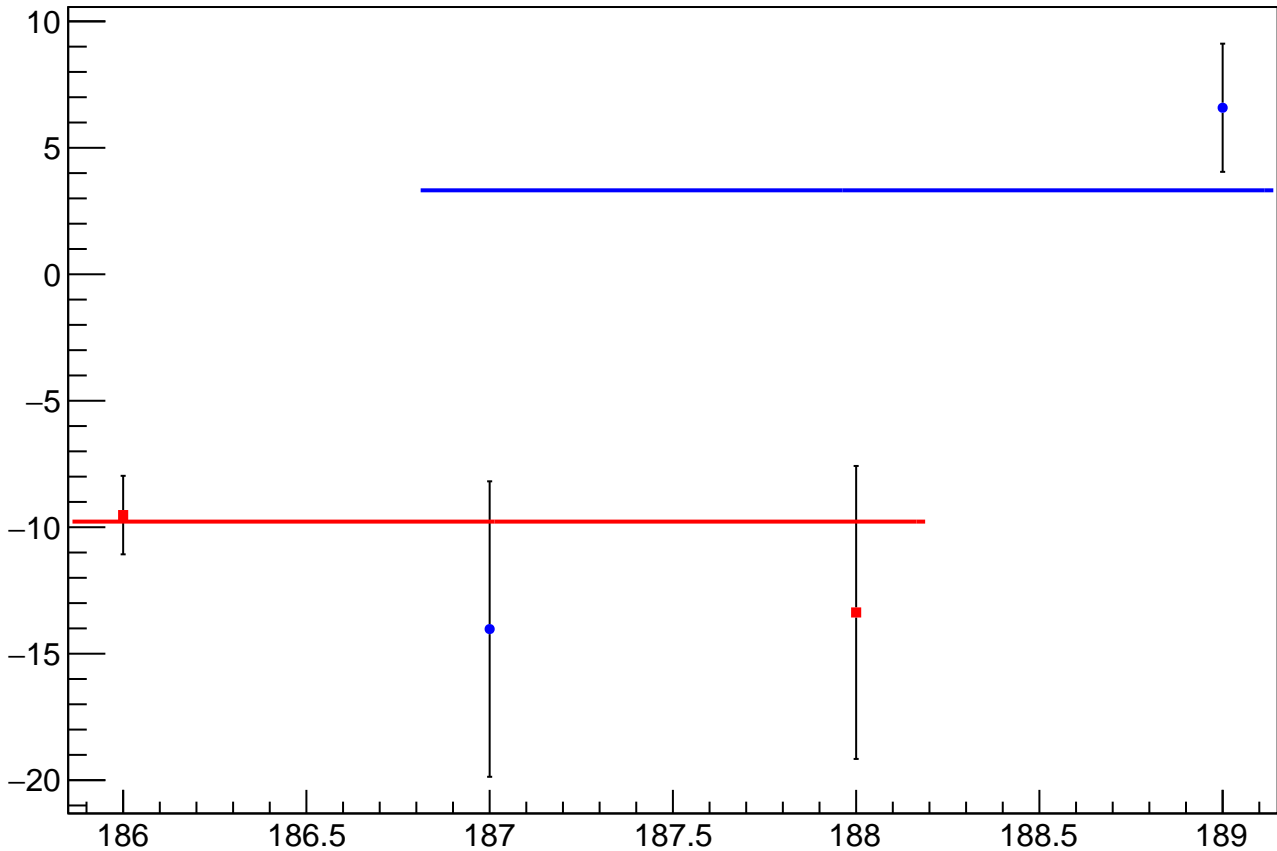
Right: 1.612+/-19.568  $\chi^2$ /NDF: 9.0/3

In: 121.718+/-48.269  $\chi^2$ /NDF:0.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.612+/-19.568  $\chi^2$ /NDF: 9.0/3

# reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 3.320+/-2.324  $\chi^2$ /NDF: 10.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -9.778+/-1.499  $\chi^2$ /NDF: 0.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

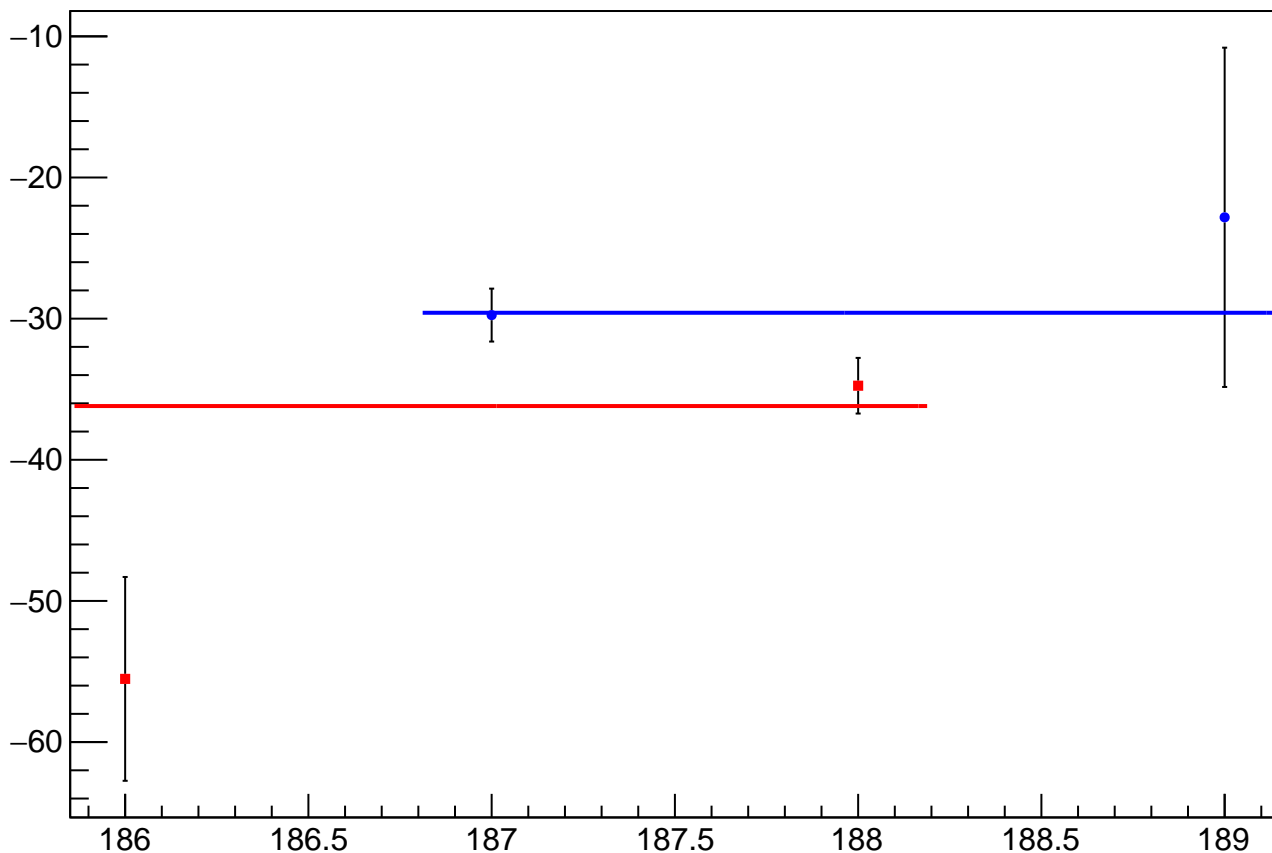
Right: -5.931+/-1.260  $\chi^2$ /NDF: 33.3/3

In: 3.320+/-2.324  $\chi^2$ /NDF:10.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -5.931+/-1.260  $\chi^2$ /NDF: 33.3/3

# reg\_asym\_left\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -29.583±/1.853  $\chi^2$ /NDF: 0.3/1

Left Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Right Out: -36.193±/1.902  $\chi^2$ /NDF: 7.7/1

Left In: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/0.000  $\chi^2$ /NDF: 0.0/0

Right: -32.802±/1.327  $\chi^2$ /NDF: 14.2/3

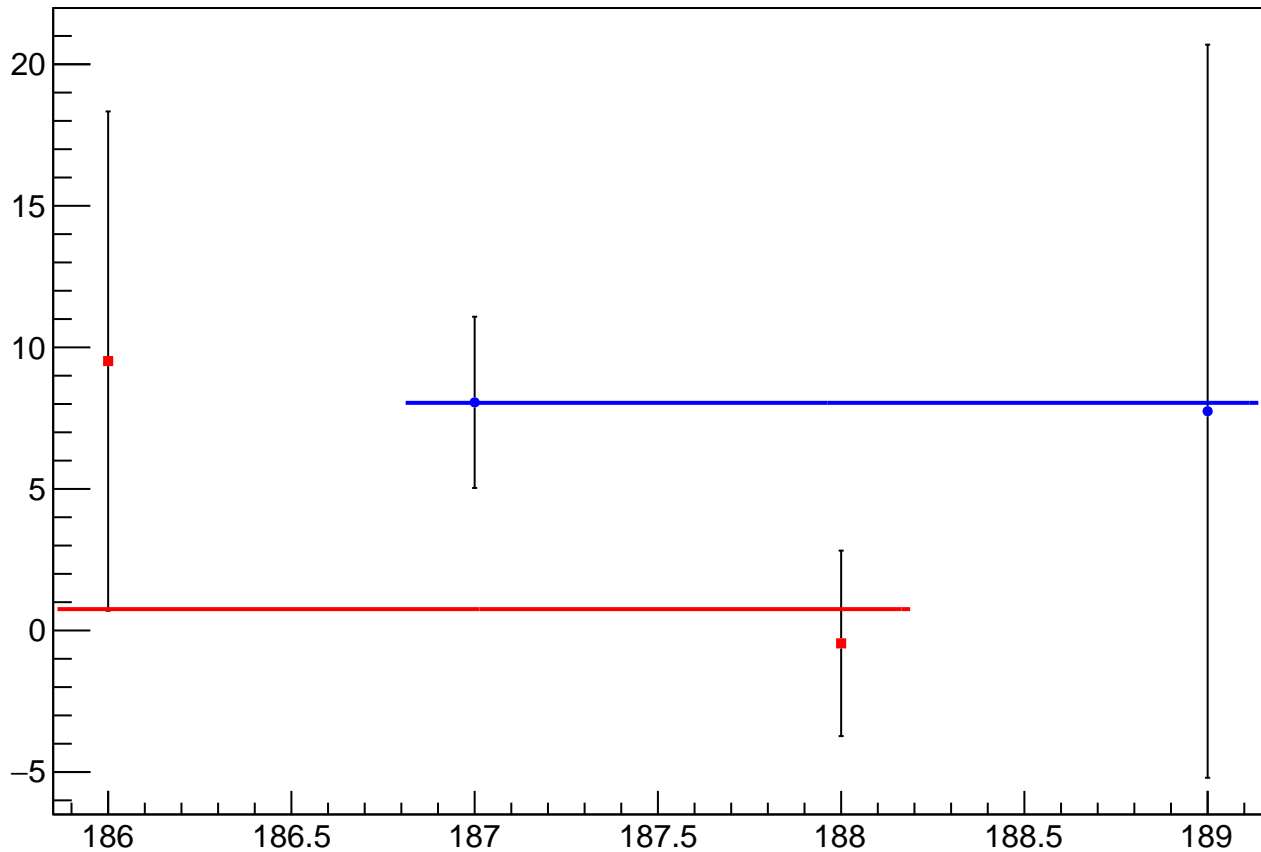
In: -29.583±/1.853  $\chi^2$ /NDF:0.3/1

Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

All: -32.802±/1.327  $\chi^2$ /NDF: 14.2/3



reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.041+/-2.946  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.755+/-3.071  $\chi^2/\text{NDF}$ : 1.1/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

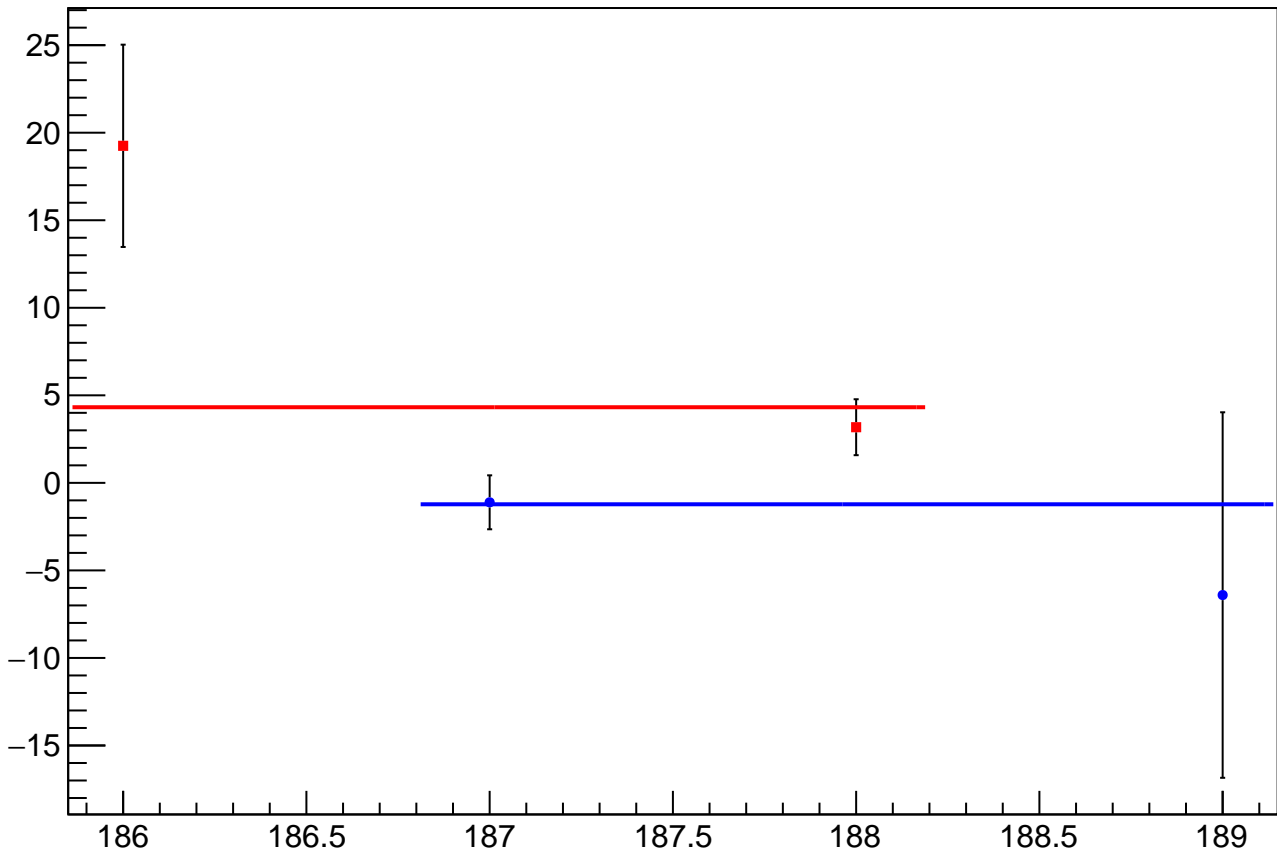
Right: 4.550+/-2.126  $\chi^2/\text{NDF}$ : 4.1/3

In: 8.041+/-2.946  $\chi^2/\text{NDF}$ : 0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.550+/-2.126  $\chi^2/\text{NDF}$ : 4.1/3

reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.223+/-1.524  $\chi^2$ /NDF: 0.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.320+/-1.539  $\chi^2$ /NDF: 7.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

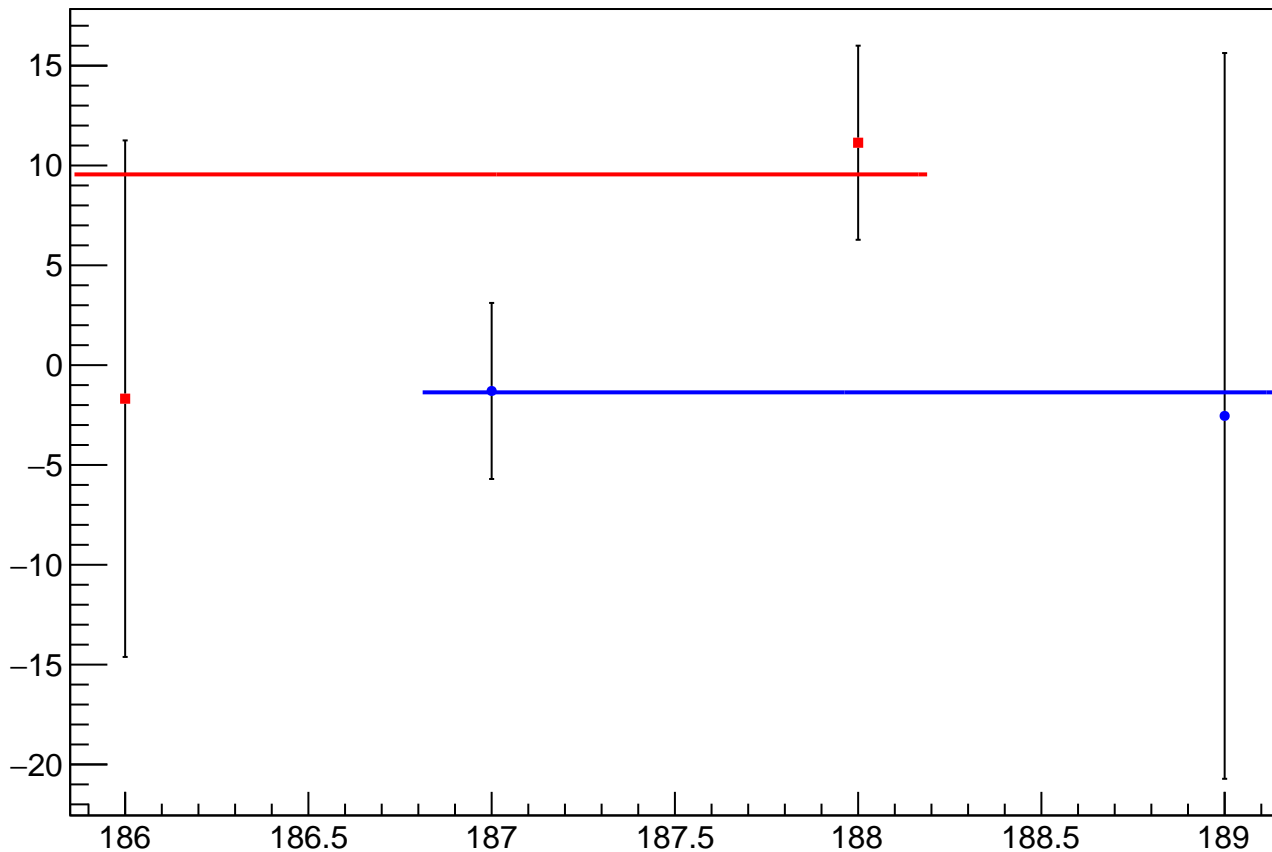
Right: 1.520+/-1.083  $\chi^2$ /NDF: 14.0/3

In: -1.223+/-1.524  $\chi^2$ /NDF:0.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.520+/-1.083  $\chi^2$ /NDF: 14.0/3

reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.363+/-4.285  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 9.554+/-4.551  $\chi^2$ /NDF: 0.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

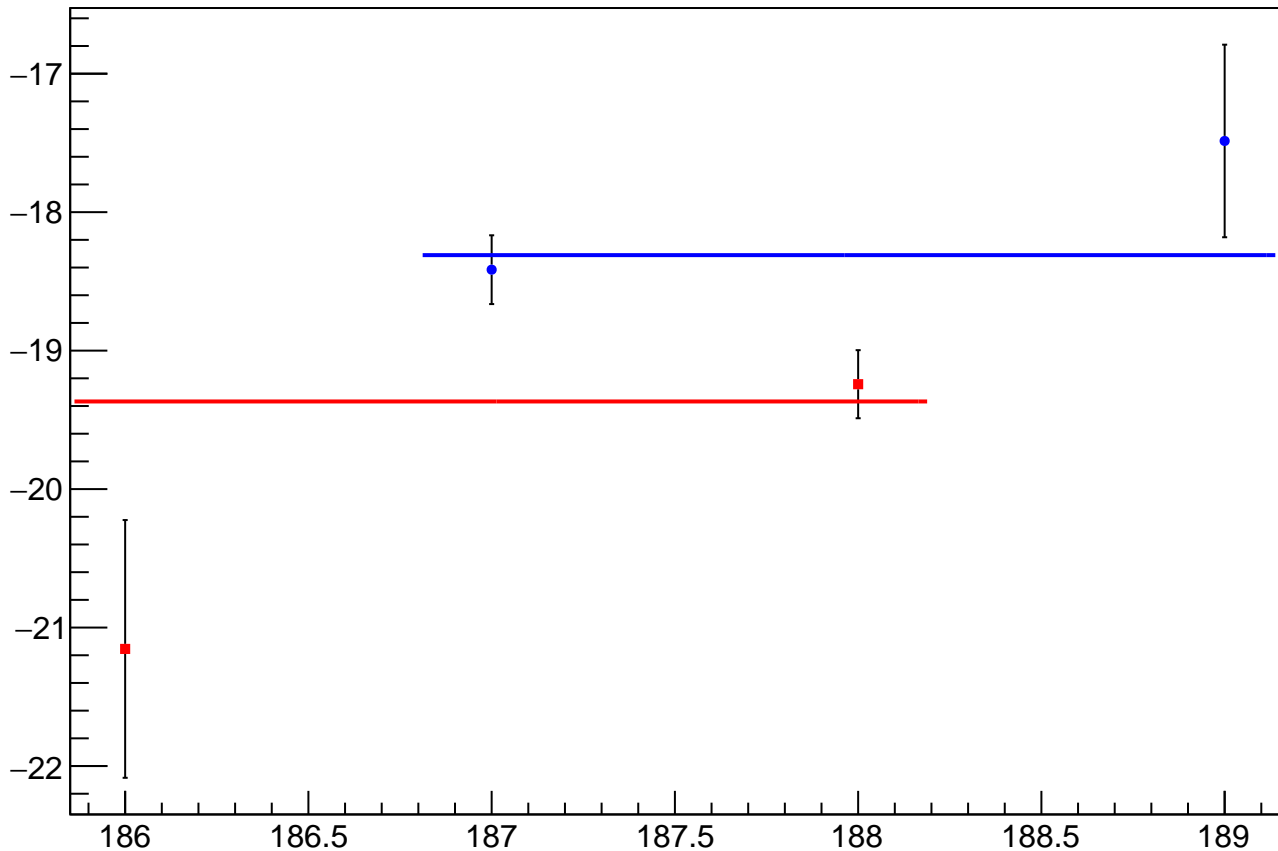
Right: 3.768+/-3.120  $\chi^2$ /NDF: 3.9/3

In: -1.363+/-4.285  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 3.768+/-3.120  $\chi^2$ /NDF: 3.9/3

# reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-18.310 \pm 0.234$   $\chi^2/\text{NDF}: 1.6/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-19.367 \pm 0.238$   $\chi^2/\text{NDF}: 3.9/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

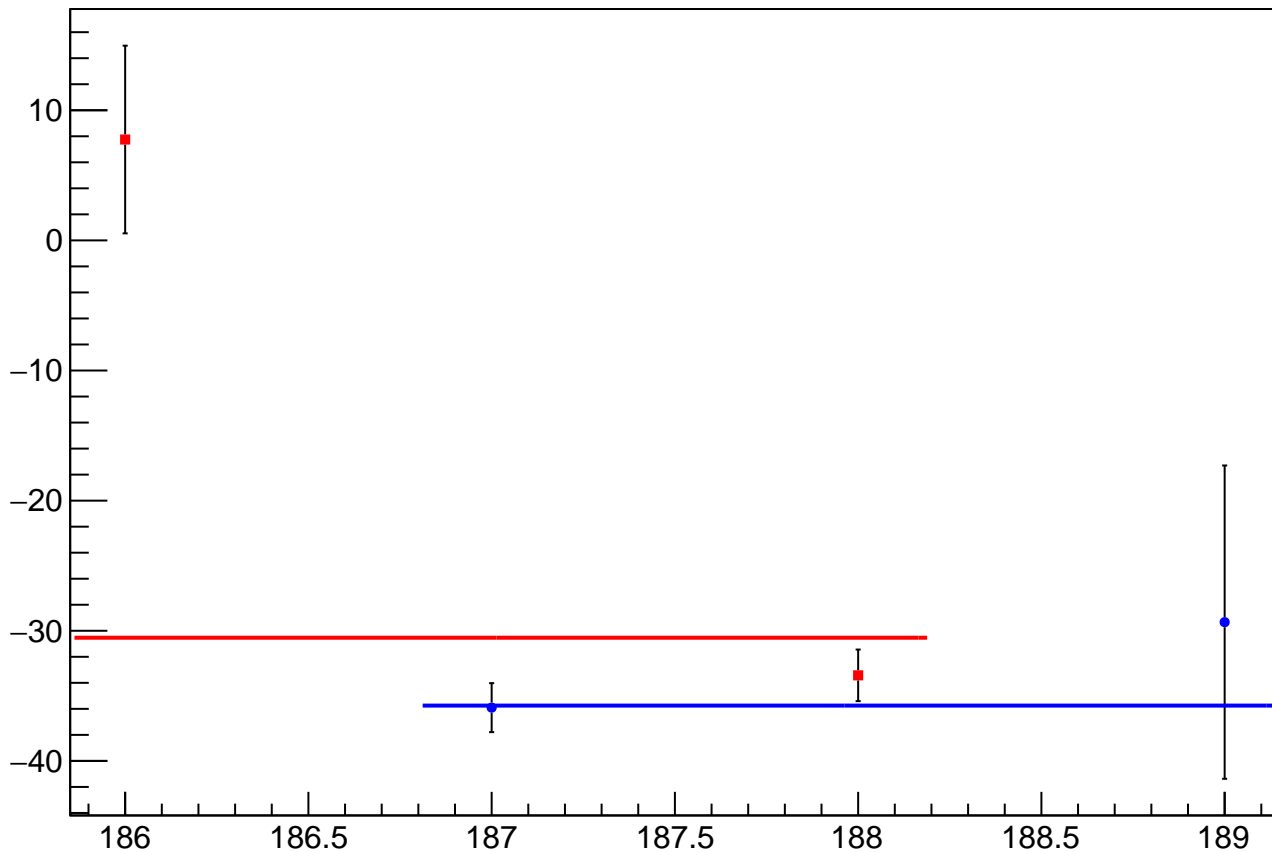
Right:  $-18.830 \pm 0.167$   $\chi^2/\text{NDF}: 15.6/3$

In:  $-18.310 \pm 0.234$   $\chi^2/\text{NDF}: 1.6/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-18.830 \pm 0.167$   $\chi^2/\text{NDF}: 15.6/3$

# reg\_asym\_left\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -35.749 $\pm$ 1.859  $\chi^2$ /NDF: 0.3/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -30.534 $\pm$ 1.911  $\chi^2$ /NDF: 30.3/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

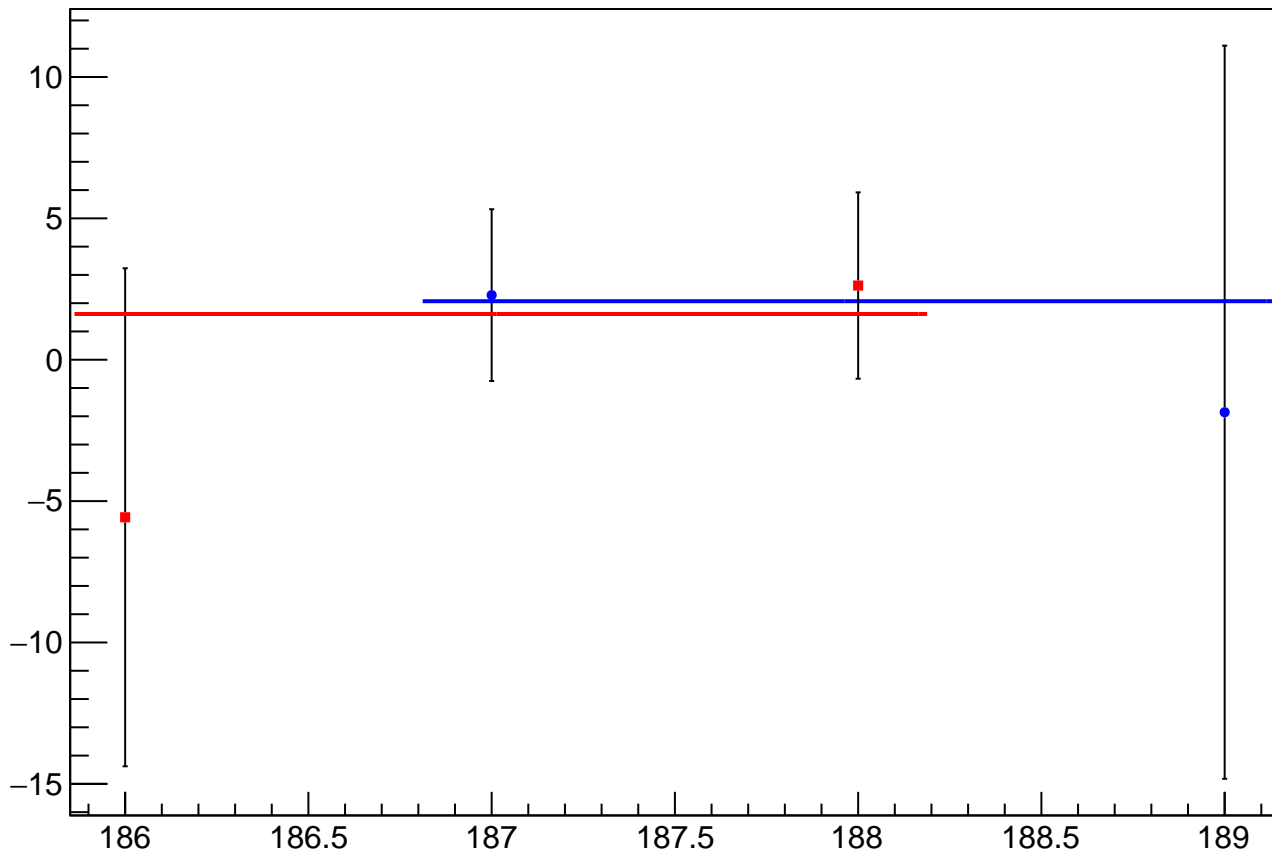
Right: -33.213 $\pm$ 1.332  $\chi^2$ /NDF: 34.4/3

In: -35.749 $\pm$ 1.859  $\chi^2$ /NDF:0.3/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -33.213 $\pm$ 1.332  $\chi^2$ /NDF: 34.4/3

reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.070+/-2.957  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.618+/-3.086  $\chi^2$ /NDF: 0.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

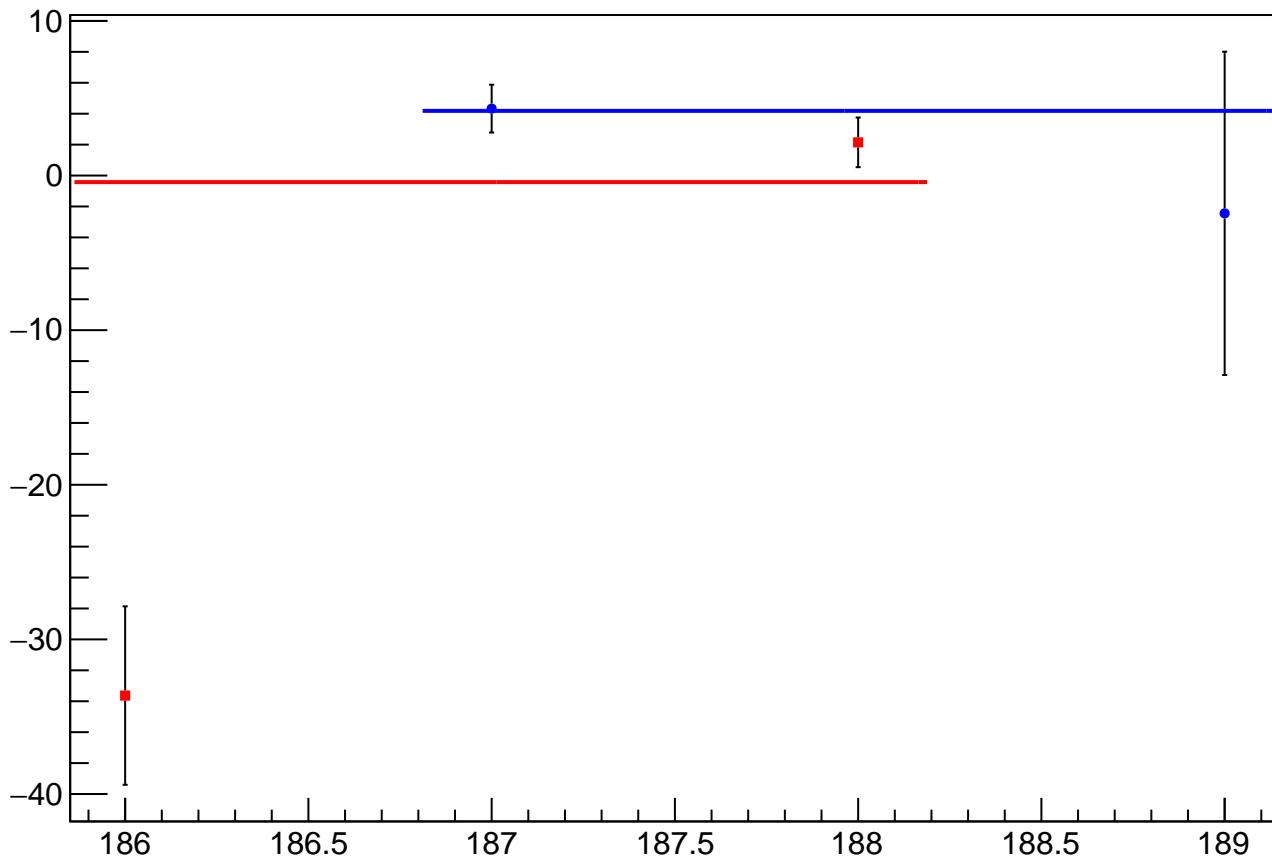
Right: 1.853+/-2.135  $\chi^2$ /NDF: 0.9/3

In: 2.070+/-2.957  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.853+/-2.135  $\chi^2$ /NDF: 0.9/3

# reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 4.184+/-1.529  $\chi^2$ /NDF: 0.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.424+/-1.547  $\chi^2$ /NDF: 35.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

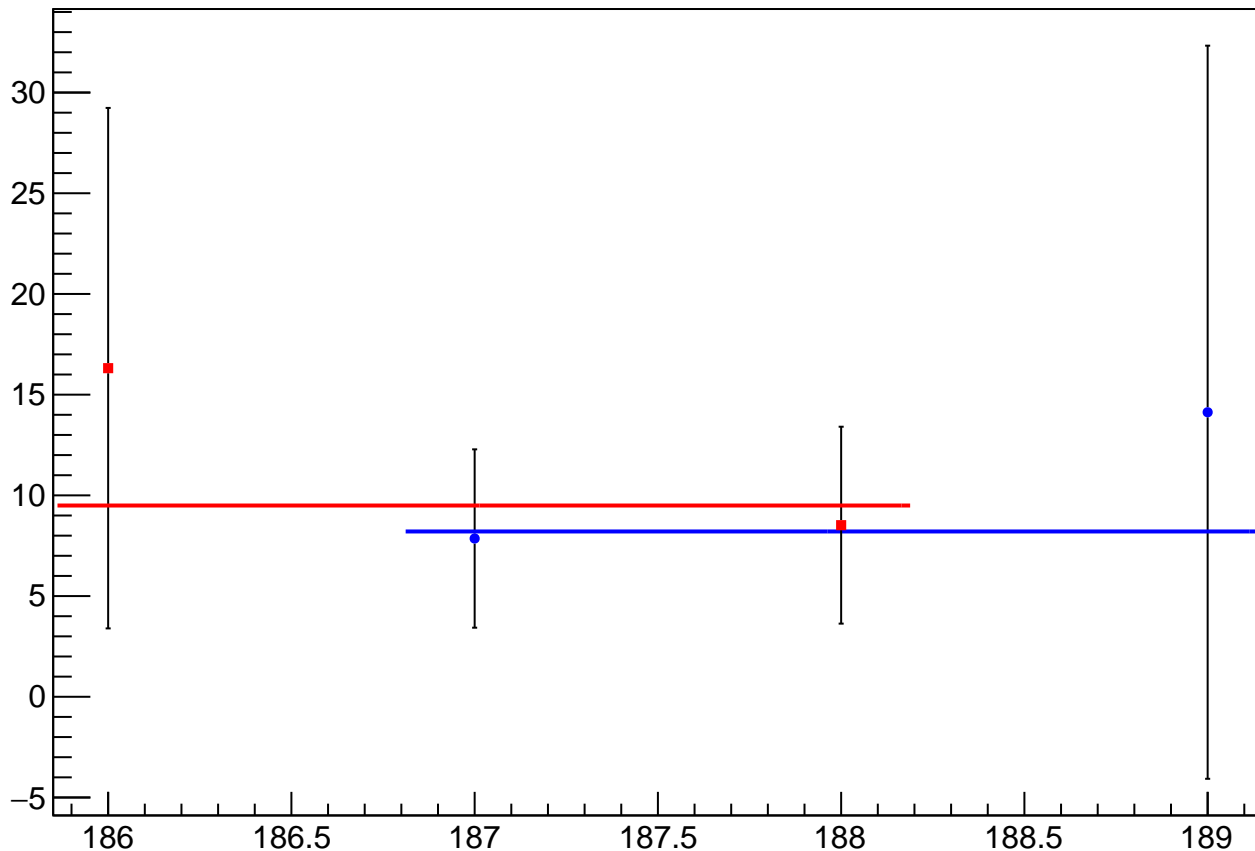
Right: 1.906+/-1.088  $\chi^2$ /NDF: 40.6/3

In: 4.184+/-1.529  $\chi^2$ /NDF:0.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.906+/-1.088  $\chi^2$ /NDF: 40.6/3

reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.208+/-4.302  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 9.496+/-4.572  $\chi^2$ /NDF: 0.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 8.813+/-3.133  $\chi^2$ /NDF: 0.5/3

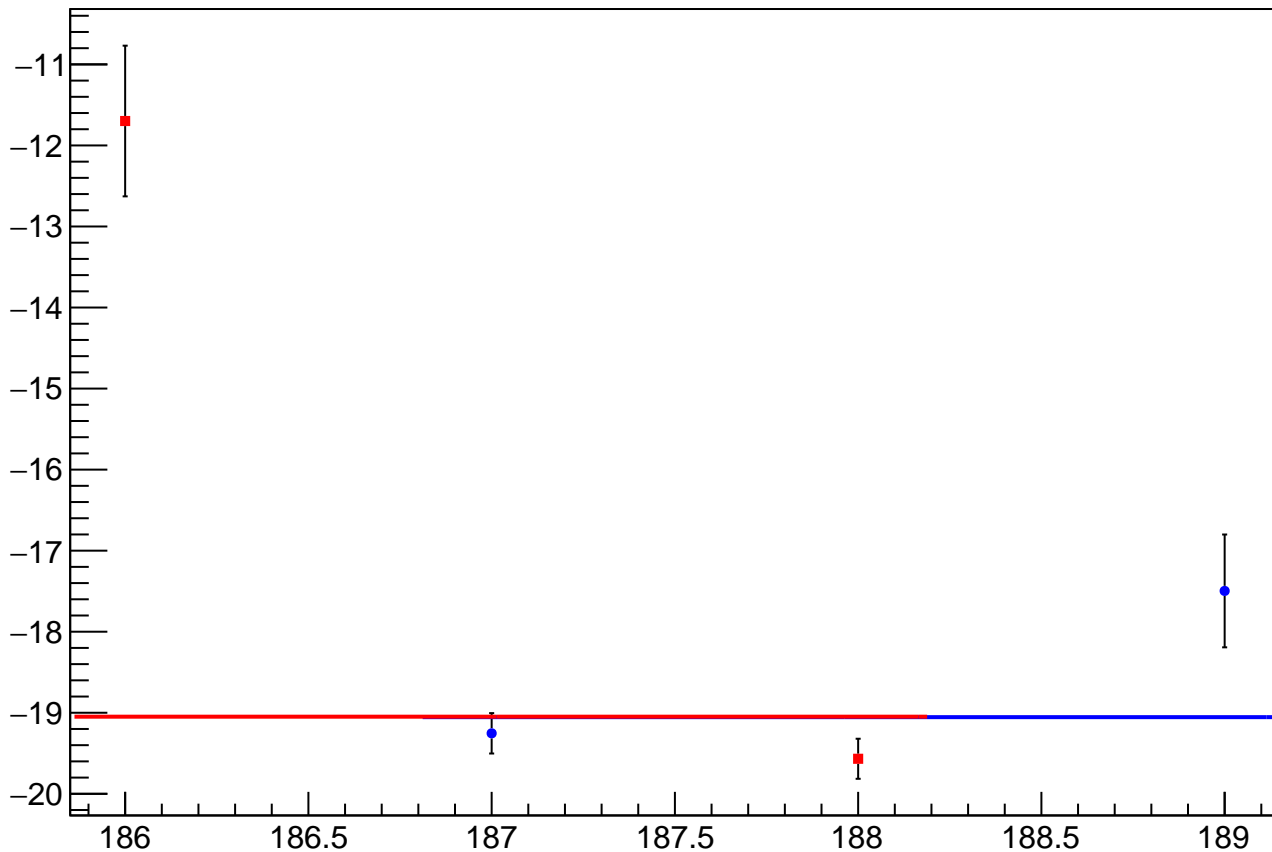
In: 8.208+/-4.302  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 8.813+/-3.133  $\chi^2$ /NDF: 0.5/3



# reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.054 \pm 0.235$   $\chi^2/\text{NDF}: 5.6/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-19.048 \pm 0.239$   $\chi^2/\text{NDF}: 66.9/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

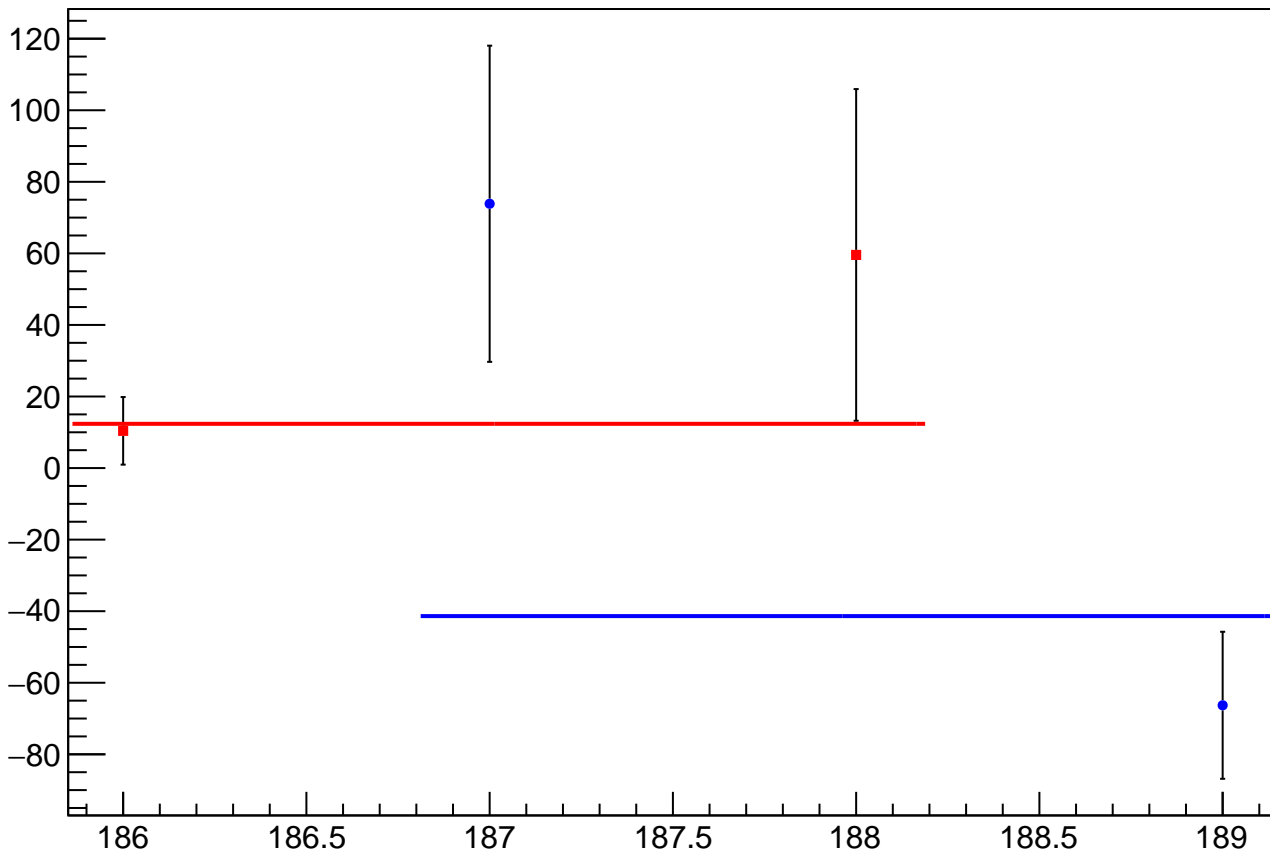
Right:  $-19.051 \pm 0.167$   $\chi^2/\text{NDF}: 72.6/3$

In:  $-19.054 \pm 0.235$   $\chi^2/\text{NDF}: 5.6/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-19.051 \pm 0.167$   $\chi^2/\text{NDF}: 72.6/3$

# reg\_asym\_right\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -41.374+/-18.631  $\chi^2$ /NDF: 8.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 12.365+/-9.257  $\chi^2$ /NDF: 1.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

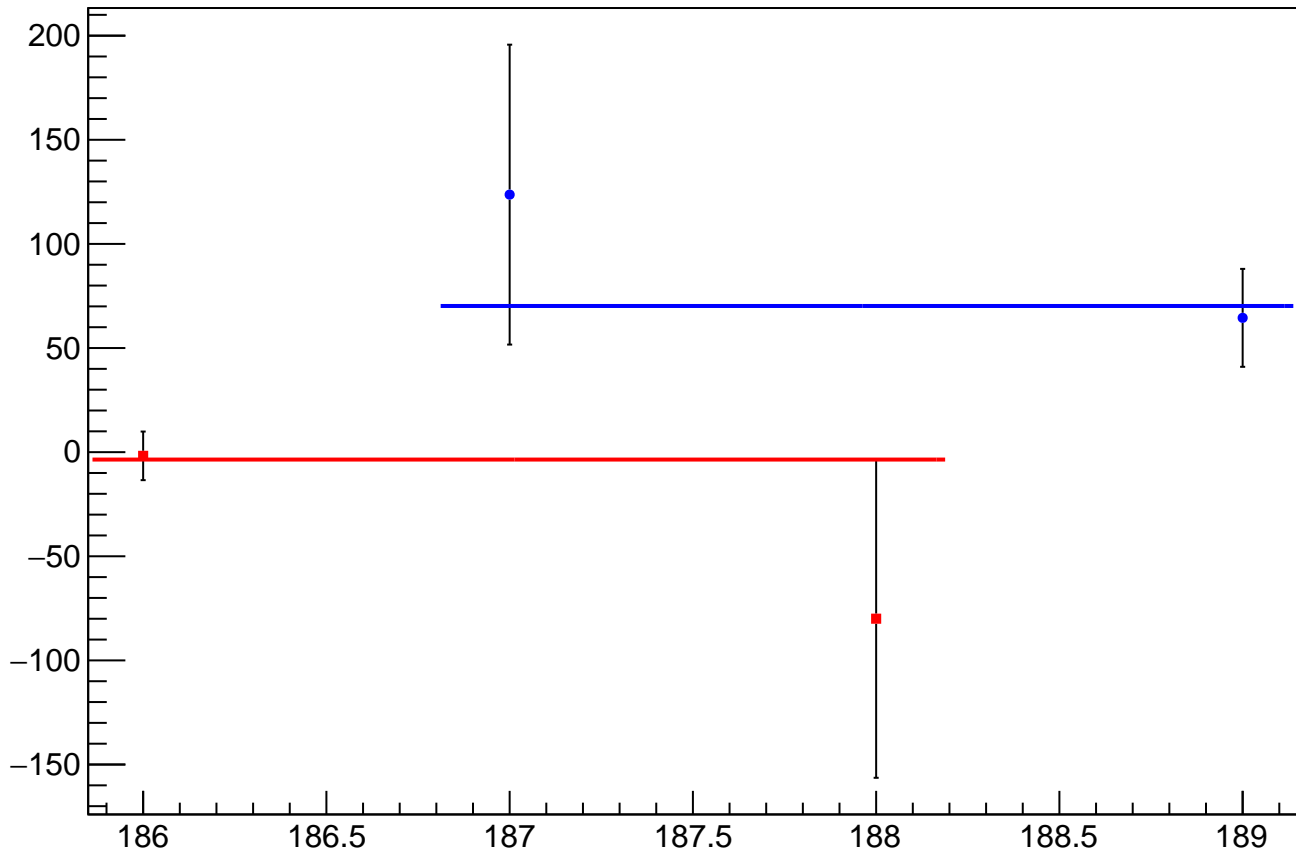
Right: 1.726+/-8.290  $\chi^2$ /NDF: 16.0/3

In: -41.374+/-18.631  $\chi^2$ /NDF:8.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.726+/-8.290  $\chi^2$ /NDF: 16.0/3

reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 70.196+/-22.351  $\chi^2$ /NDF: 0.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -3.556+/-11.535  $\chi^2$ /NDF: 1.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

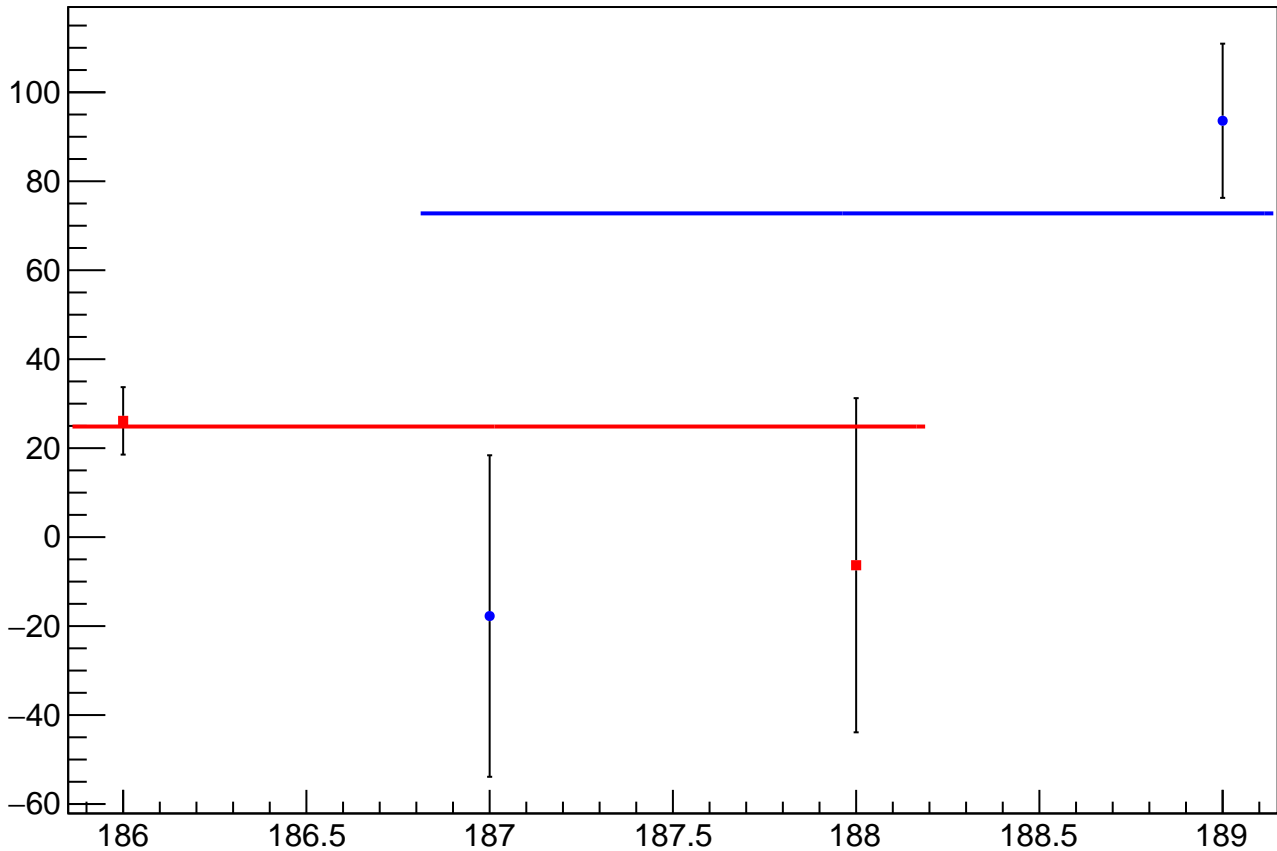
Right: 11.956+/-10.251  $\chi^2$ /NDF: 10.2/3

In: 70.196+/-22.351  $\chi^2$ /NDF:0.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 11.956+/-10.251  $\chi^2$ /NDF: 10.2/3

# reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 72.776+/-15.628  $\chi^2$ /NDF: 7.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 24.861+/-7.433  $\chi^2$ /NDF: 0.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

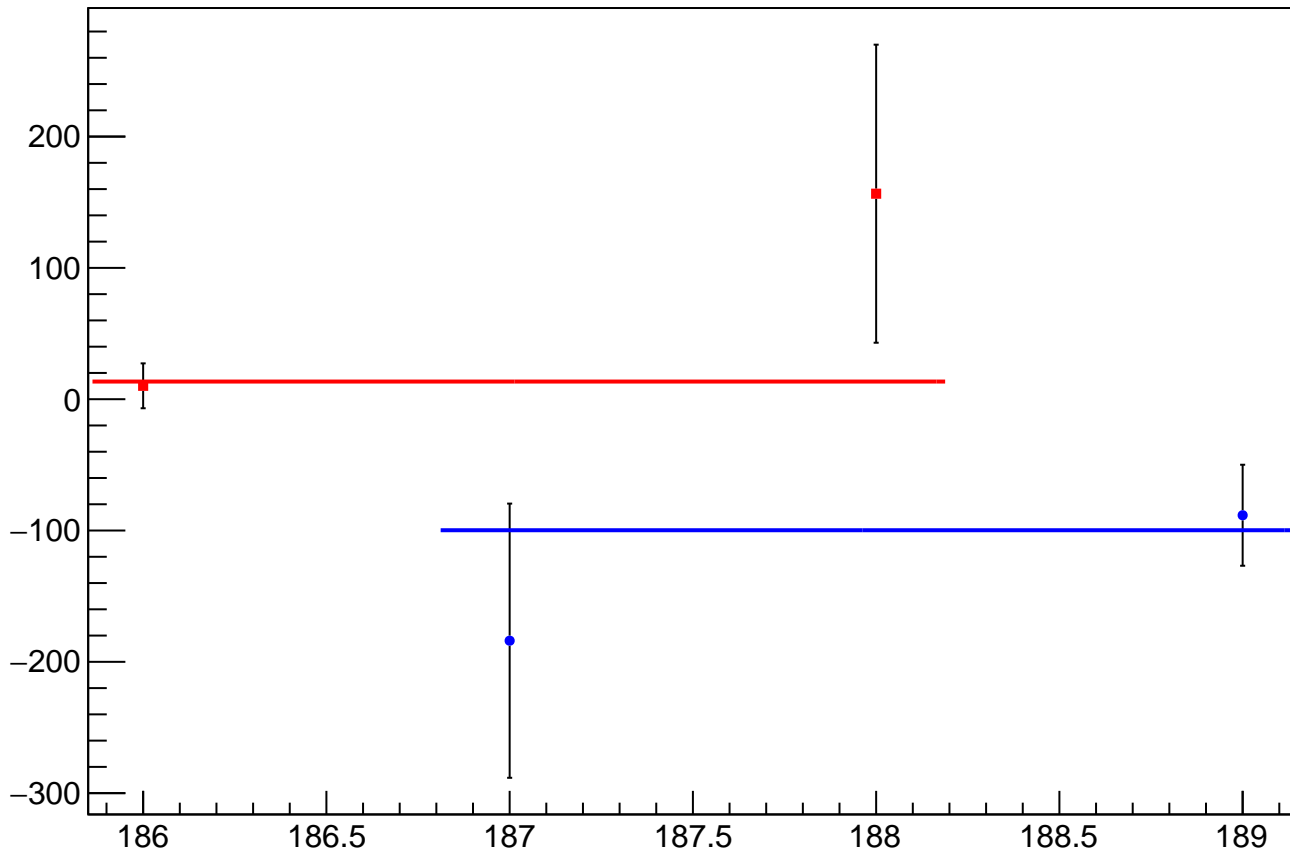
Right: 33.699+/-6.712  $\chi^2$ /NDF: 16.1/3

In: 72.776+/-15.628  $\chi^2$ /NDF:7.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 33.699+/-6.712  $\chi^2$ /NDF: 16.1/3

reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -6.919+/-15.304  $\chi^2$ /NDF: 10.4/3

In: -99.781+/-36.089  $\chi^2$ /NDF: 0.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

All: -6.919+/-15.304  $\chi^2$ /NDF: 10.4/3

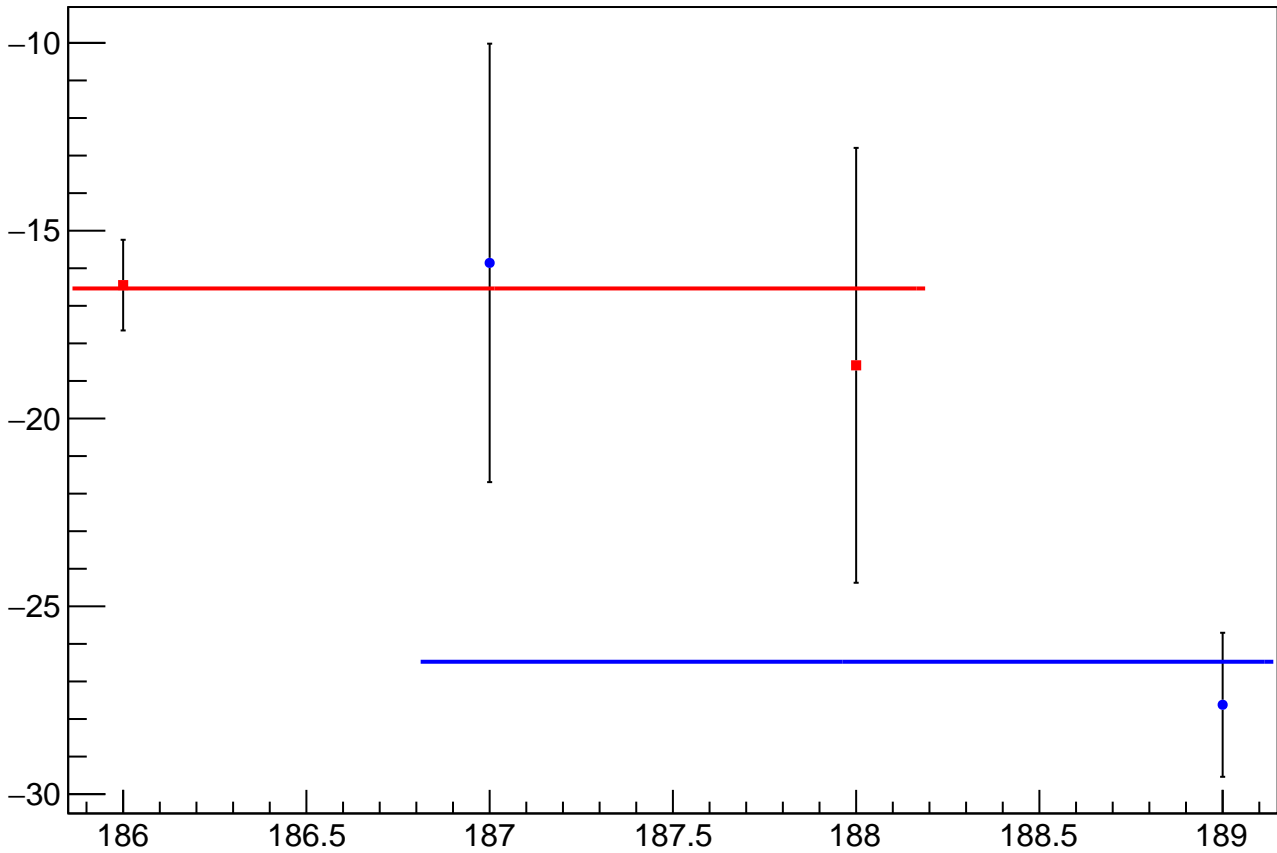
Right In: -99.781+/-36.089  $\chi^2$ /NDF: 0.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 13.444+/-16.899  $\chi^2$ /NDF: 1.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -26.475+/-1.821  $\chi^2$ /NDF: 3.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -16.538+/-1.181  $\chi^2$ /NDF: 0.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

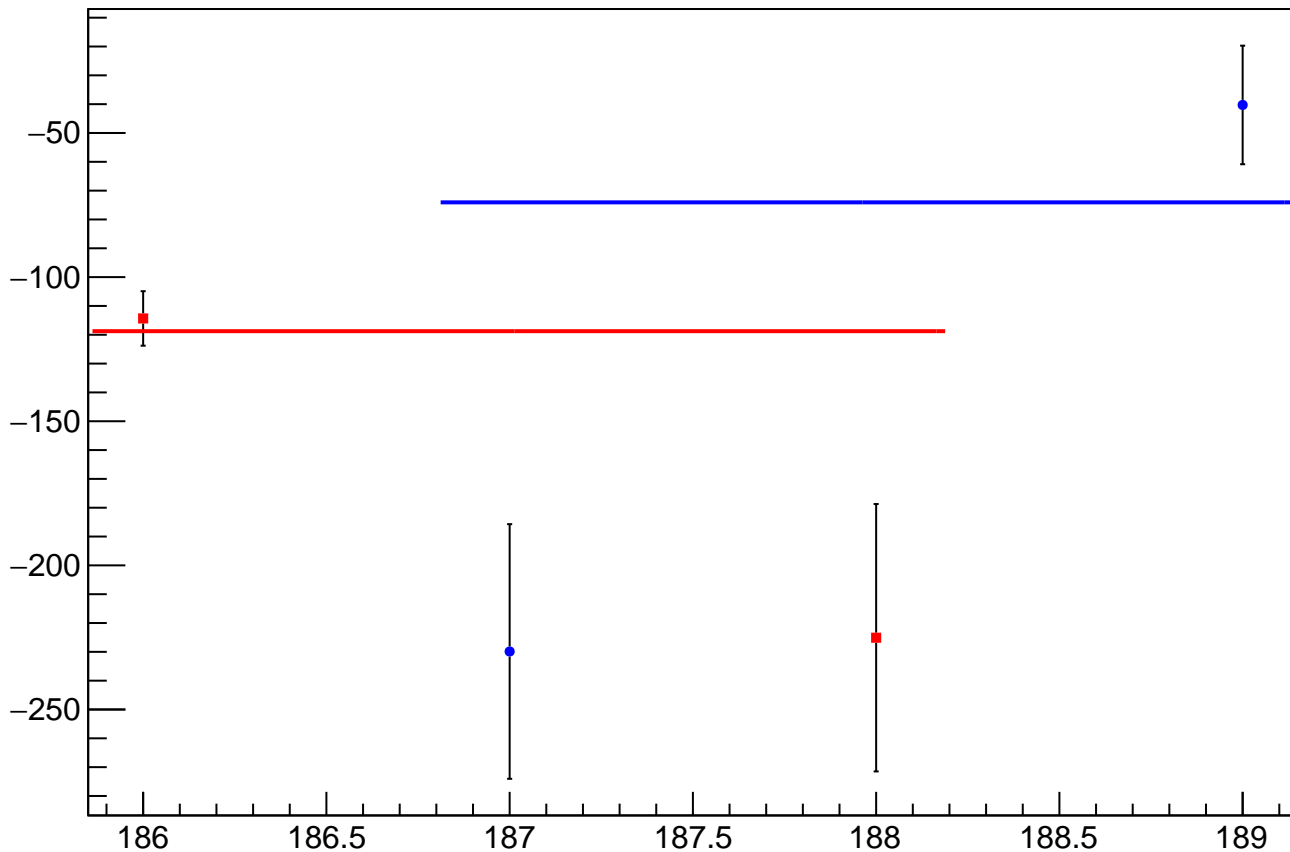
Right: -19.481+/-0.991  $\chi^2$ /NDF: 24.8/3

In: -26.475+/-1.821  $\chi^2$ /NDF:3.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -19.481+/-0.991  $\chi^2$ /NDF: 24.8/3

# reg\_asym\_right\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-74.065 \pm 18.646$   $\chi^2/\text{NDF}: 15.1/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-118.758 \pm 9.263$   $\chi^2/\text{NDF}: 5.5/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

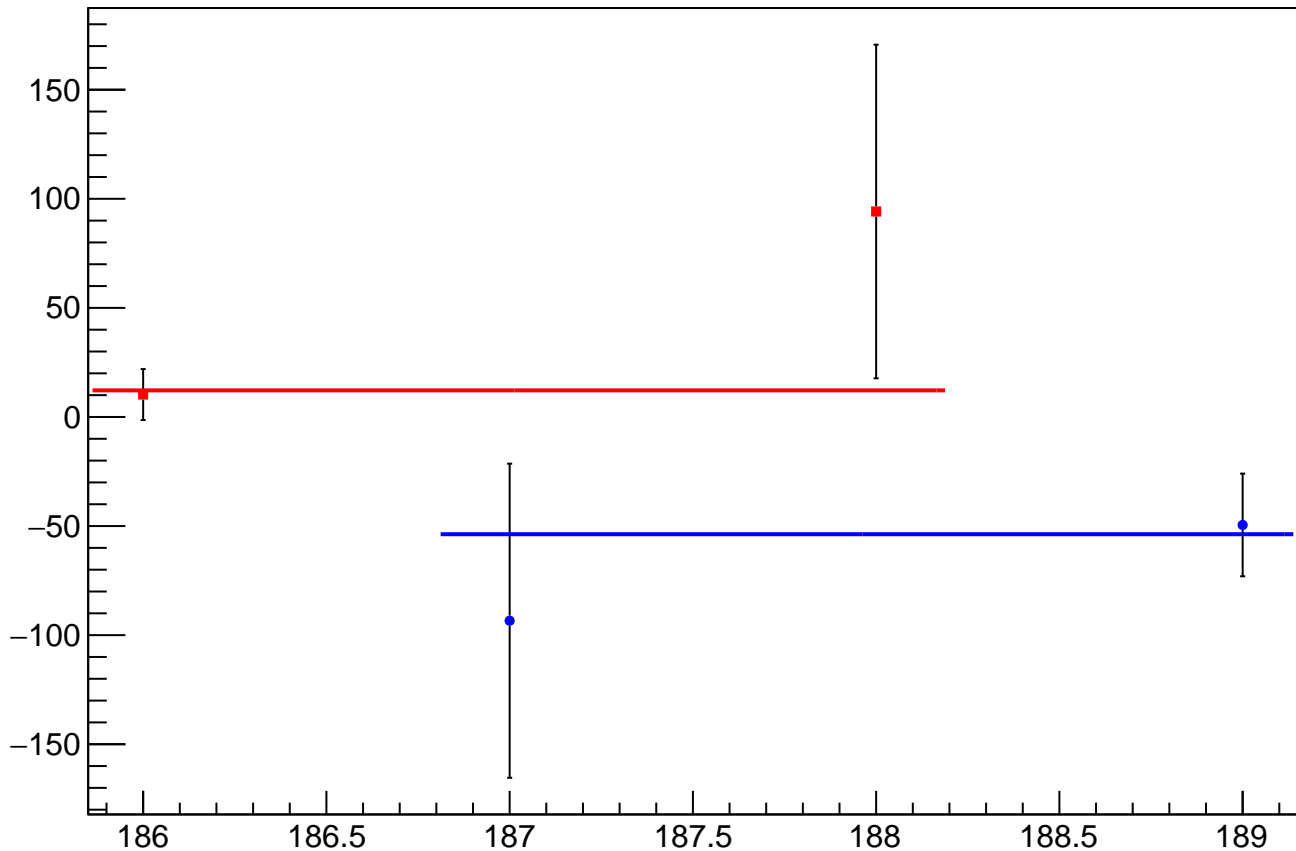
Right:  $-109.910 \pm 8.296$   $\chi^2/\text{NDF}: 25.2/3$

In:  $-74.065 \pm 18.646$   $\chi^2/\text{NDF}: 15.1/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-109.910 \pm 8.296$   $\chi^2/\text{NDF}: 25.2/3$

reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -53.739 +/- 22.371  $\chi^2$ /NDF: 0.3/1

Left Out: 0.000 +/- 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 12.194 +/- 11.544  $\chi^2$ /NDF: 1.2/1

Left In: 0.000 +/- 0.000  $\chi^2$ /NDF: 0.0/0

Left: 0.000 +/- 0.000  $\chi^2$ /NDF: 0.0/0

Right: -1.671 +/- 10.258  $\chi^2$ /NDF: 8.4/3

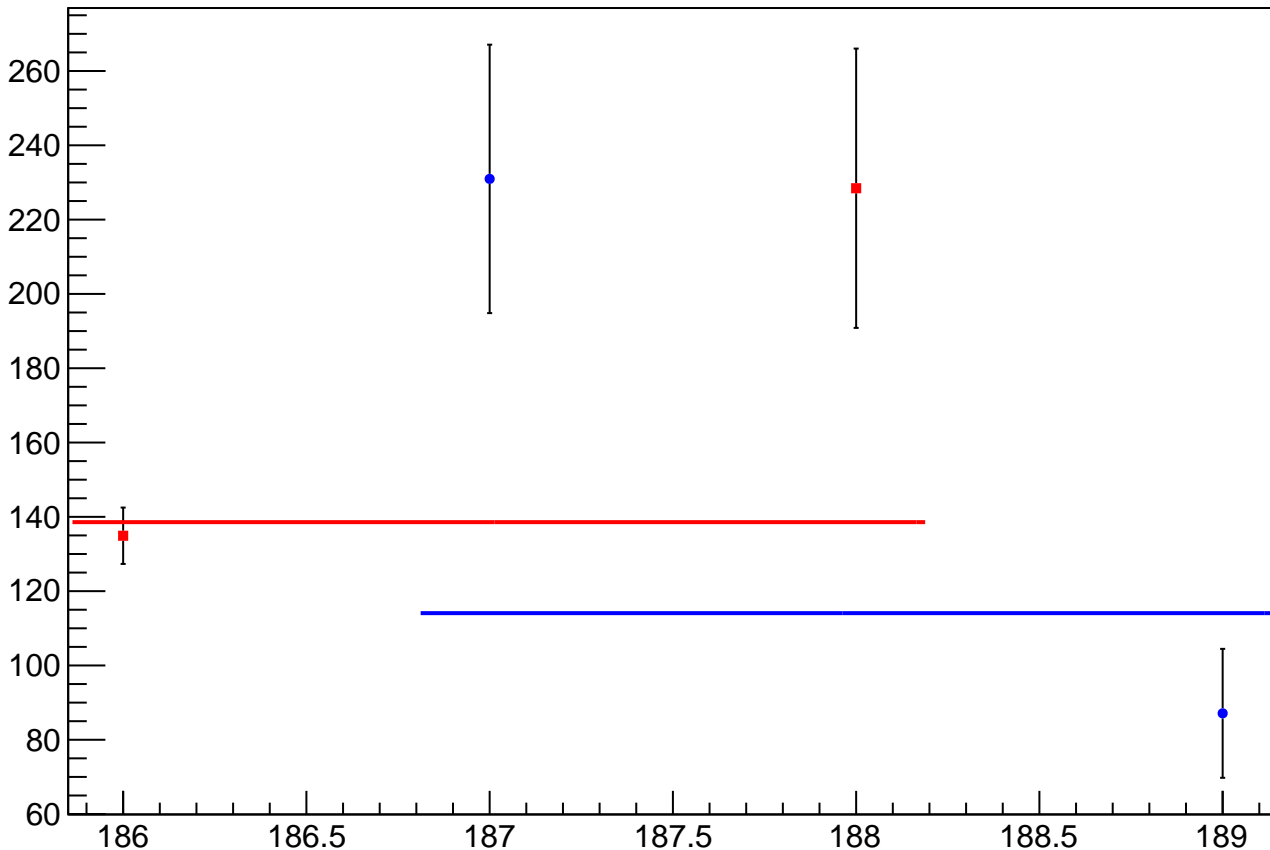
In: -53.739 +/- 22.371  $\chi^2$ /NDF: 0.3/1

Out: 0.000 +/- 0.000  $\chi^2$ /NDF: 0.0/0

All: -1.671 +/- 10.258  $\chi^2$ /NDF: 8.4/3



# reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 114.081+/-15.641  $\chi^2$ /NDF: 12.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 138.575+/-7.438  $\chi^2$ /NDF: 5.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

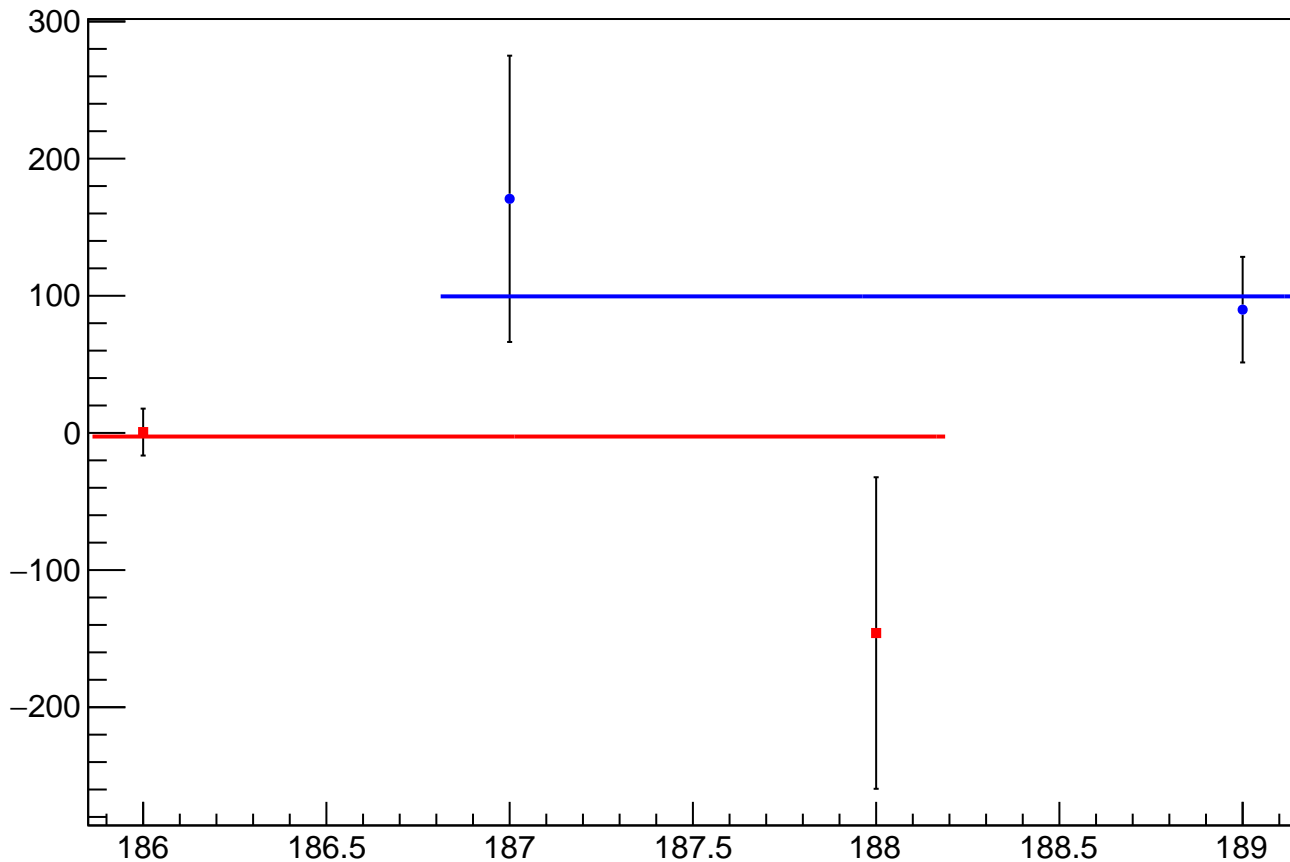
Right: 134.057+/-6.717  $\chi^2$ /NDF: 20.8/3

In: 114.081+/-15.641  $\chi^2$ /NDF:12.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 134.057+/-6.717  $\chi^2$ /NDF: 20.8/3

reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 99.558+/-36.122  $\chi^2$ /NDF: 0.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.635+/-16.912  $\chi^2$ /NDF: 1.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

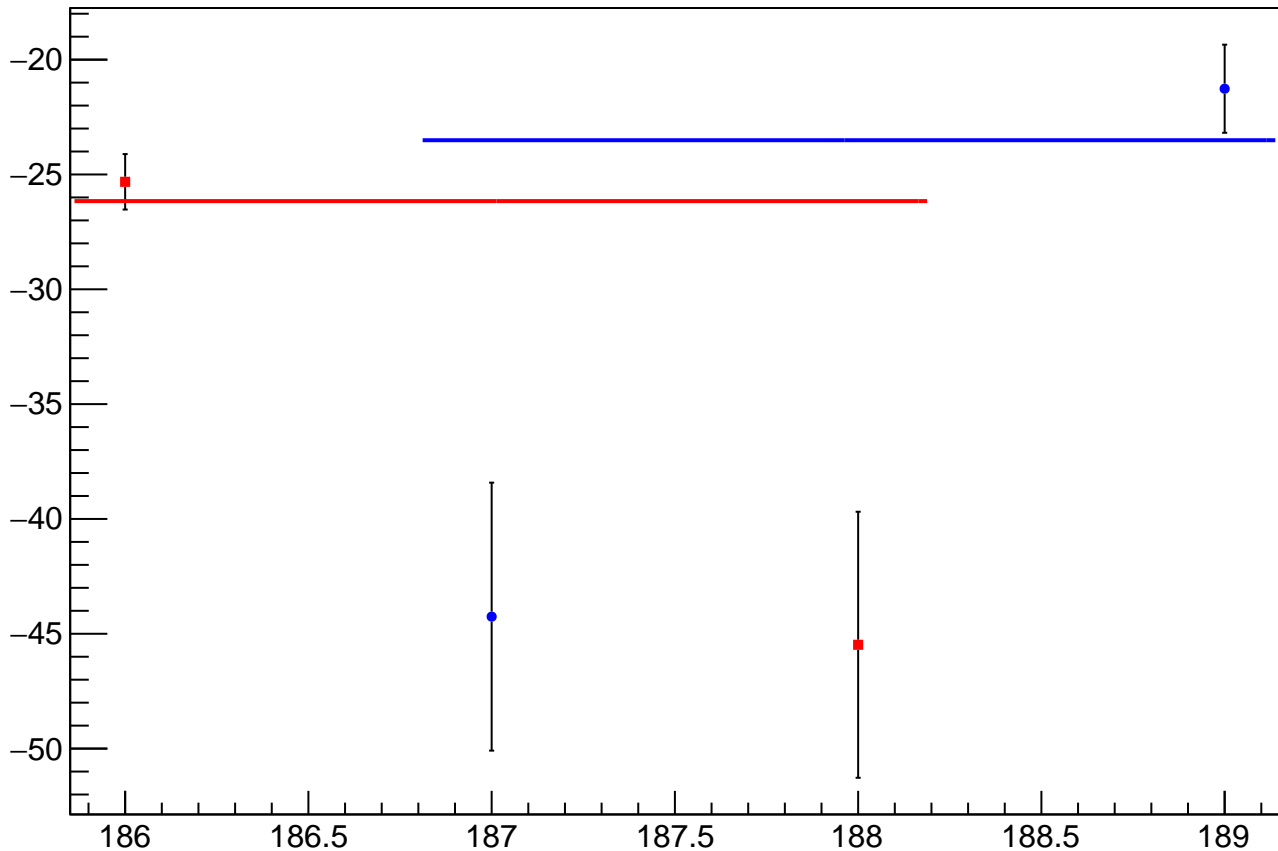
Right: 15.739+/-15.316  $\chi^2$ /NDF: 8.7/3

In: 99.558+/-36.122  $\chi^2$ /NDF:0.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 15.739+/-15.316  $\chi^2$ /NDF: 8.7/3

# reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -23.509+/-1.822  $\chi^2$ /NDF: 14.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -26.159+/-1.182  $\chi^2$ /NDF: 11.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

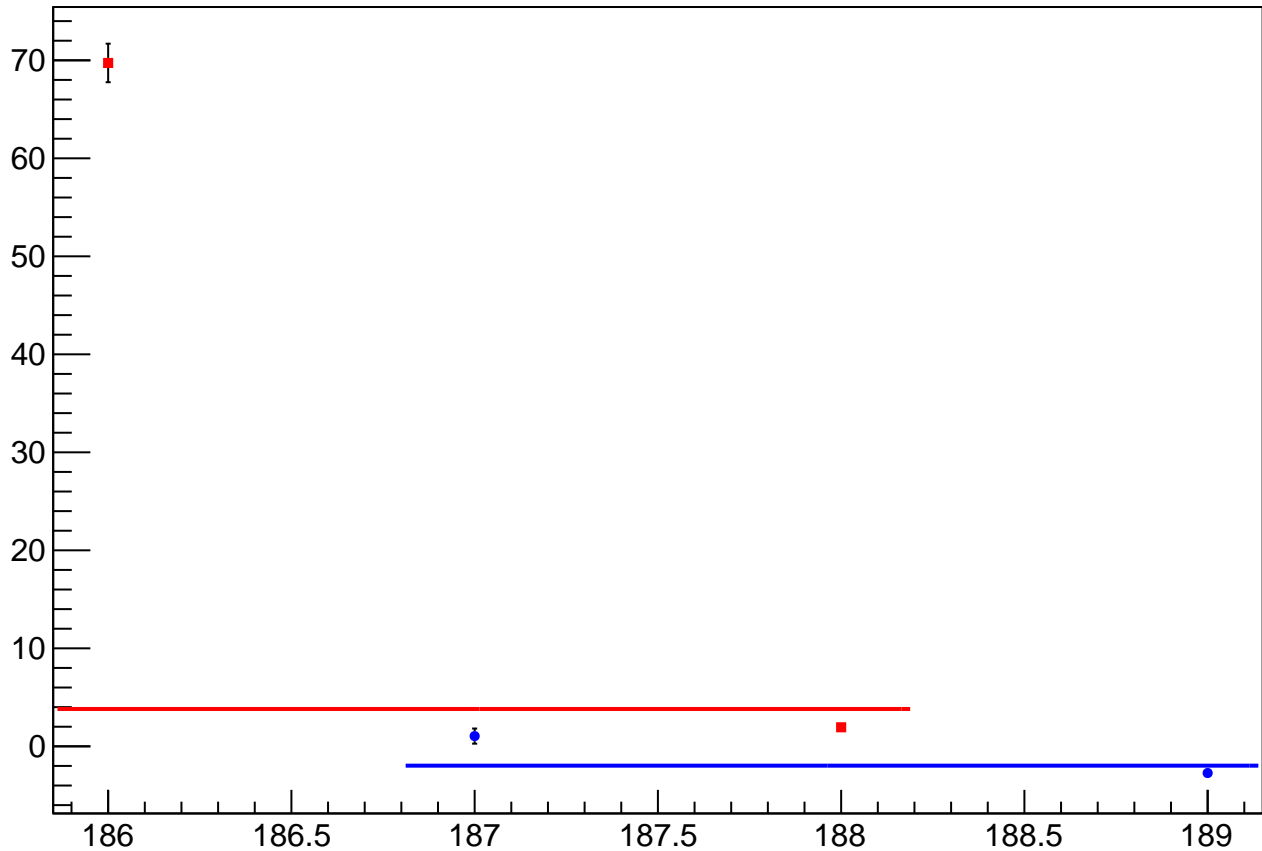
Right: -25.374+/-0.992  $\chi^2$ /NDF: 27.1/3

In: -23.509+/-1.822  $\chi^2$ /NDF:14.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -25.374+/-0.992  $\chi^2$ /NDF: 27.1/3

# reg\_asym\_sam\_15\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-1.972 \pm 0.344$   $\chi^2/\text{NDF}: 19.1/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $3.812 \pm 0.327$   $\chi^2/\text{NDF}: 1155.1/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

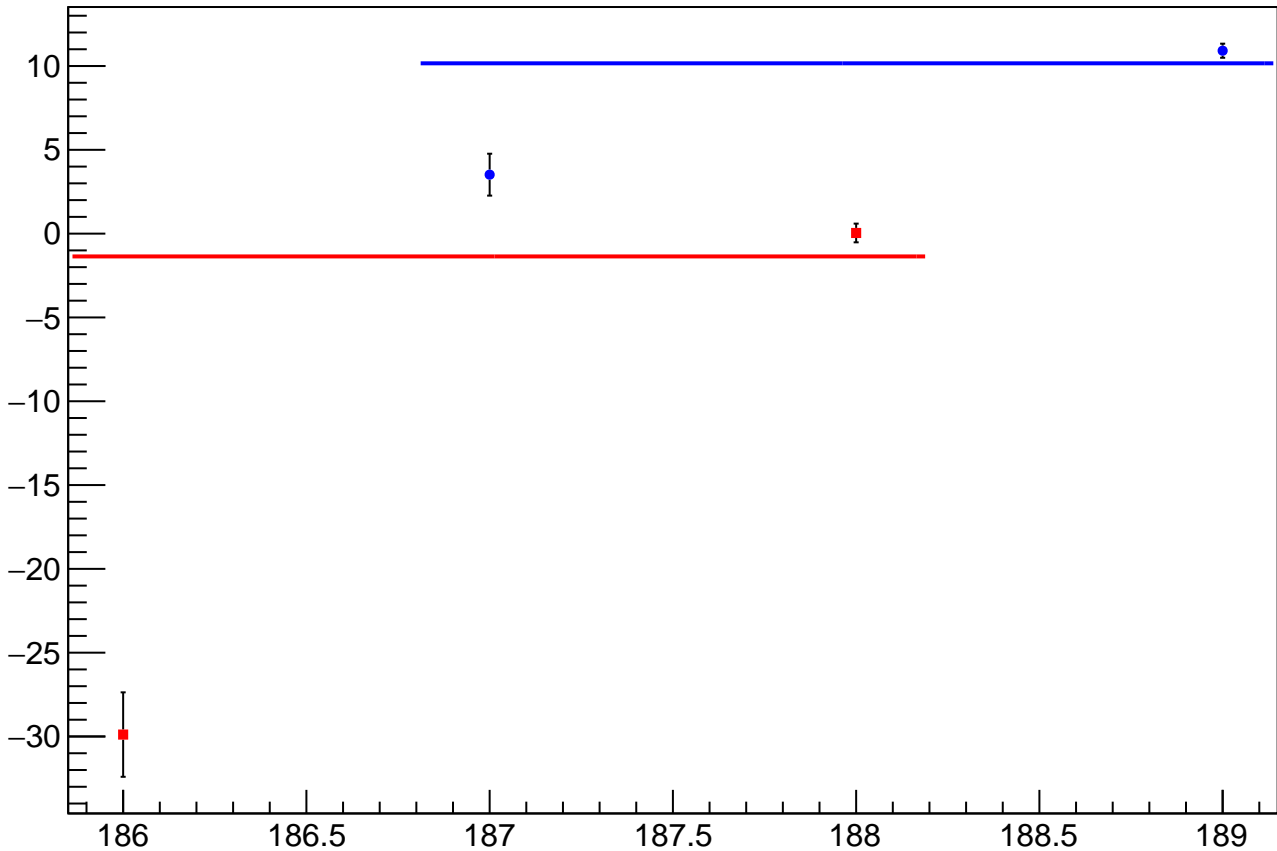
Right:  $1.073 \pm 0.237$   $\chi^2/\text{NDF}: 1322.7/3$

In:  $-1.972 \pm 0.344$   $\chi^2/\text{NDF}: 19.1/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $1.073 \pm 0.237$   $\chi^2/\text{NDF}: 1322.7/3$

reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.161+/-0.399  $\chi^2$ /NDF: 31.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.360+/-0.545  $\chi^2$ /NDF: 134.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

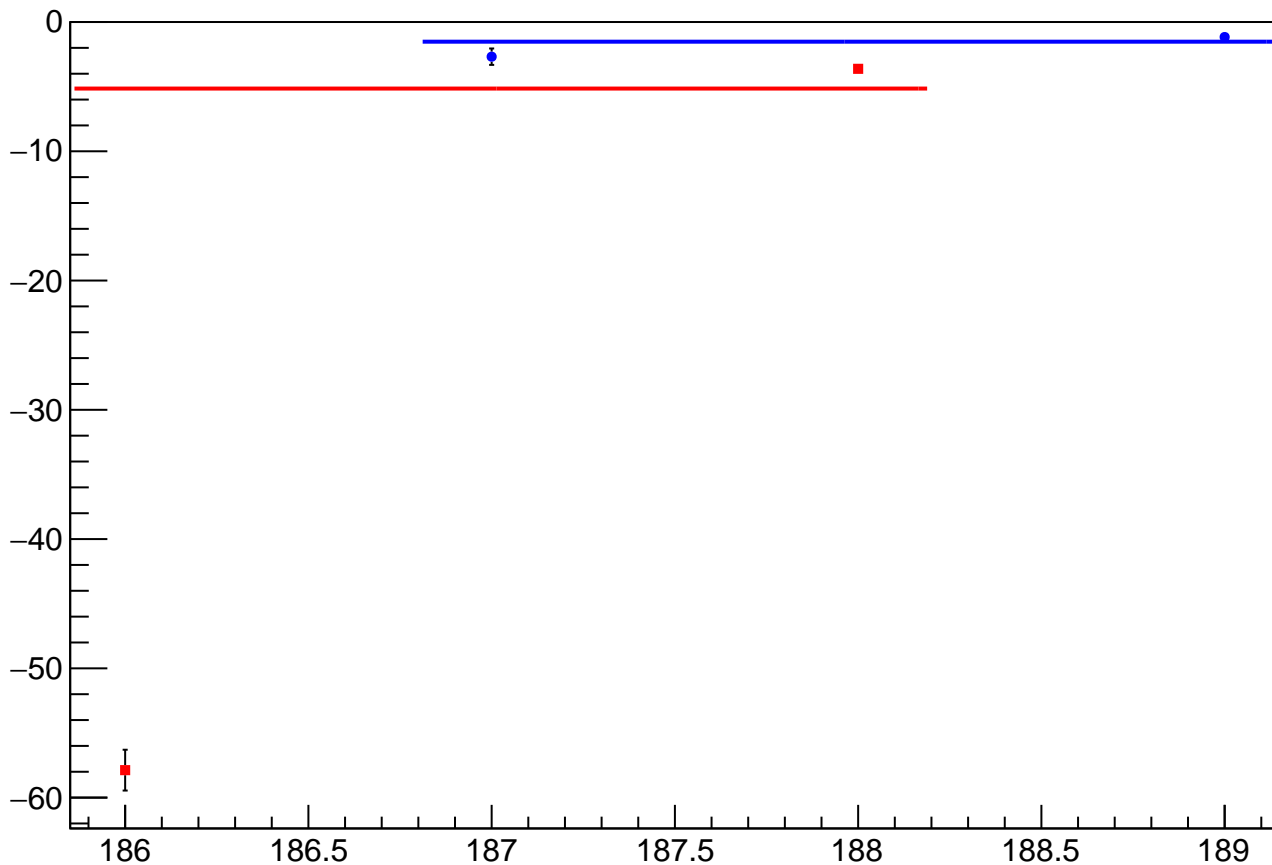
Right: 6.145+/-0.322  $\chi^2$ /NDF: 457.3/3

In: 10.161+/-0.399  $\chi^2$ /NDF:31.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 6.145+/-0.322  $\chi^2$ /NDF: 457.3/3

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.522+/-0.309  $\chi^2$ /NDF: 4.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5.148+/-0.265  $\chi^2$ /NDF: 1148.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

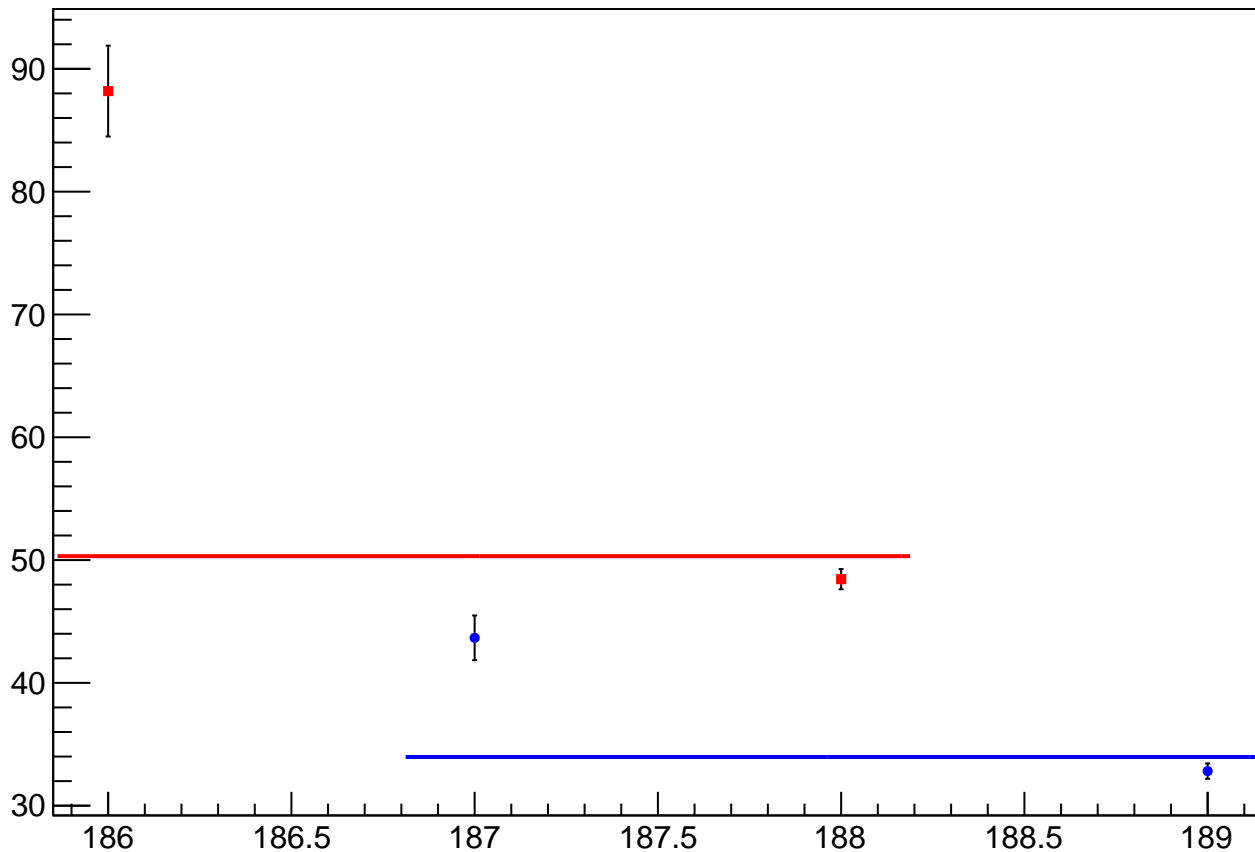
Right: -3.610+/-0.201  $\chi^2$ /NDF: 1231.9/3

In: -1.522+/-0.309  $\chi^2$ /NDF:4.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -3.610+/-0.201  $\chi^2$ /NDF: 1231.9/3

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 33.963+/-0.592  $\chi^2$ /NDF: 31.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 50.319+/-0.803  $\chi^2$ /NDF: 110.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

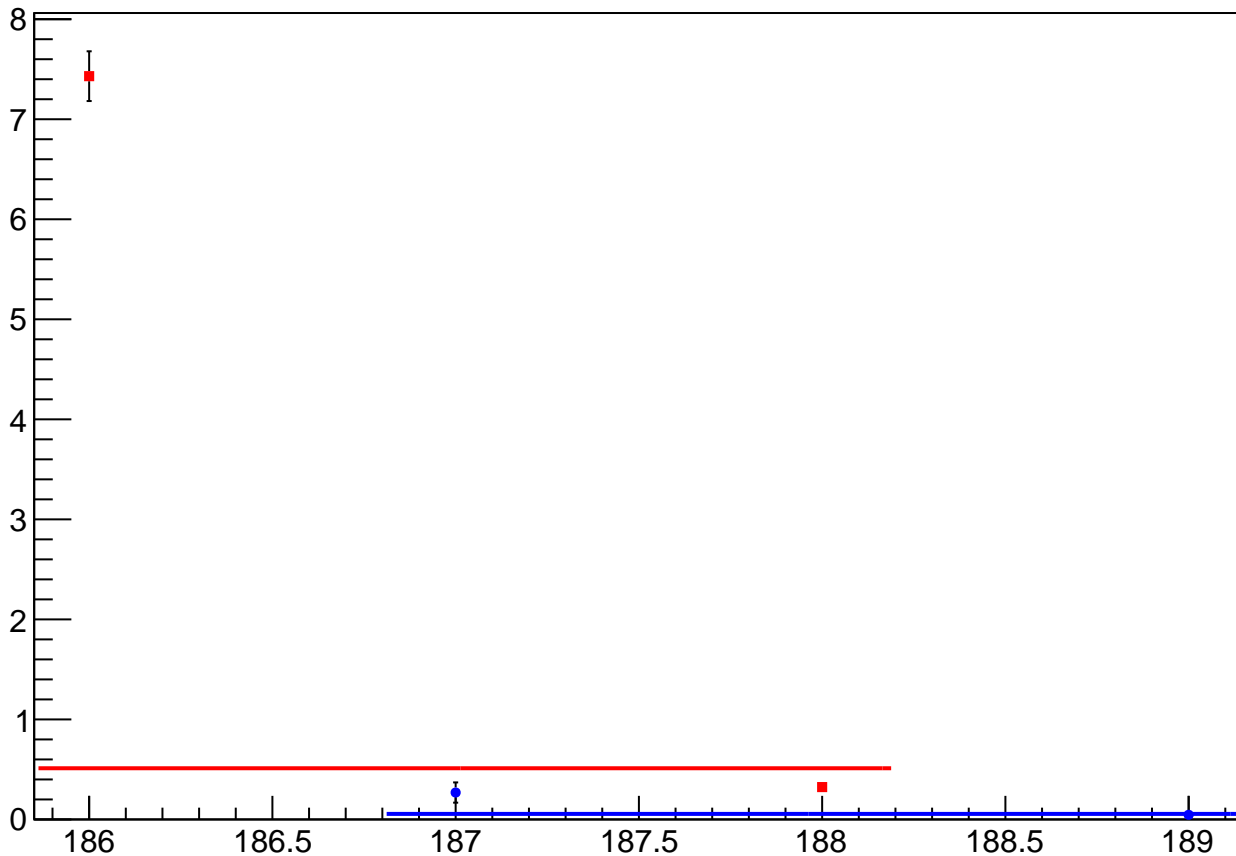
Right: 39.725+/-0.476  $\chi^2$ /NDF: 410.9/3

In: 33.963+/-0.592  $\chi^2$ /NDF:31.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 39.725+/-0.476  $\chi^2$ /NDF: 410.9/3

# reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected

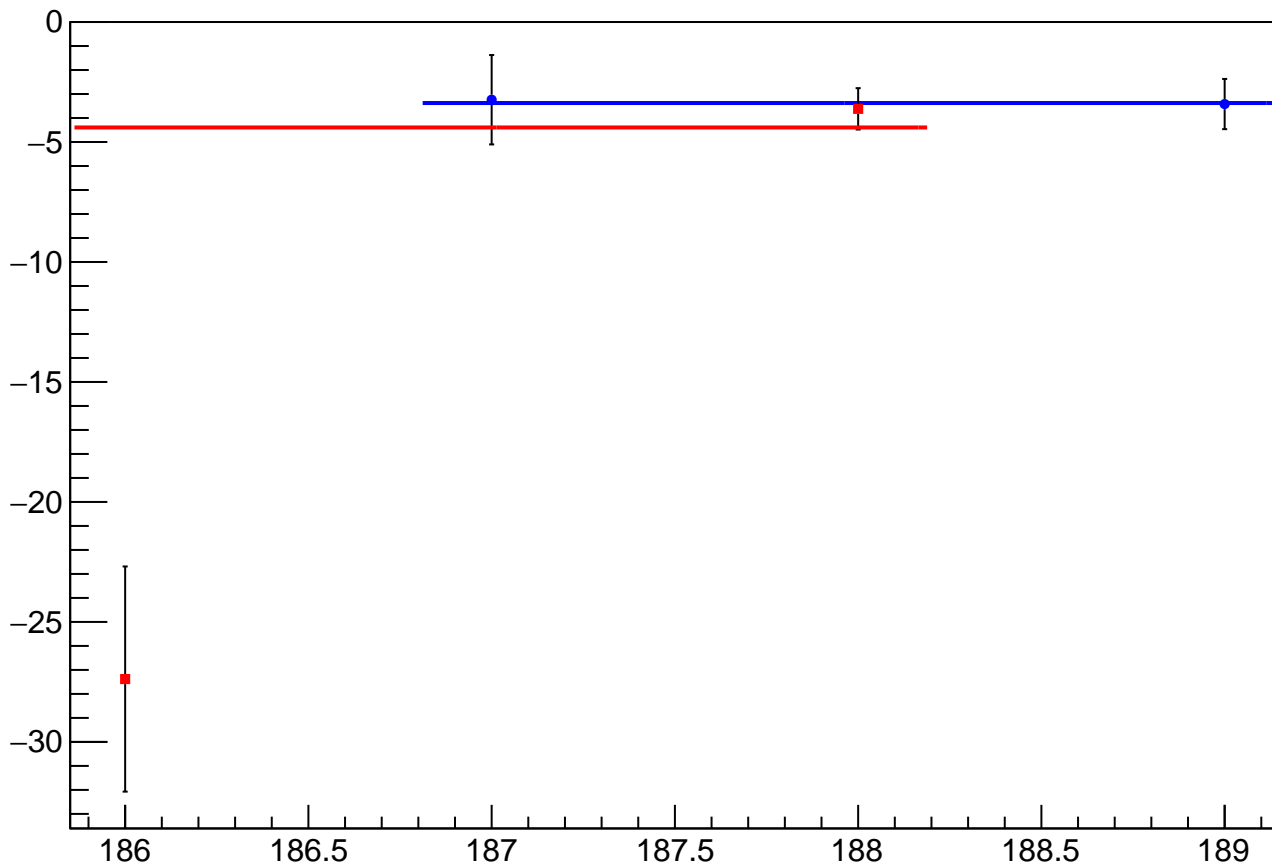


Right In: 0.056+/-0.021  $\chi^2$ /NDF: 4.6/1  
 Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: 0.512+/-0.040  $\chi^2$ /NDF: 795.4/1  
 Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
 Right: 0.150+/-0.018  $\chi^2$ /NDF: 901.0/3  
 In: 0.056+/-0.021  $\chi^2$ /NDF:4.6/1  
 Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 All: 0.150+/-0.018  $\chi^2$ /NDF: 901.0/3



reg\_asym\_sam\_15\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -3.376+/-0.912  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -4.394+/-0.848  $\chi^2$ /NDF: 24.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

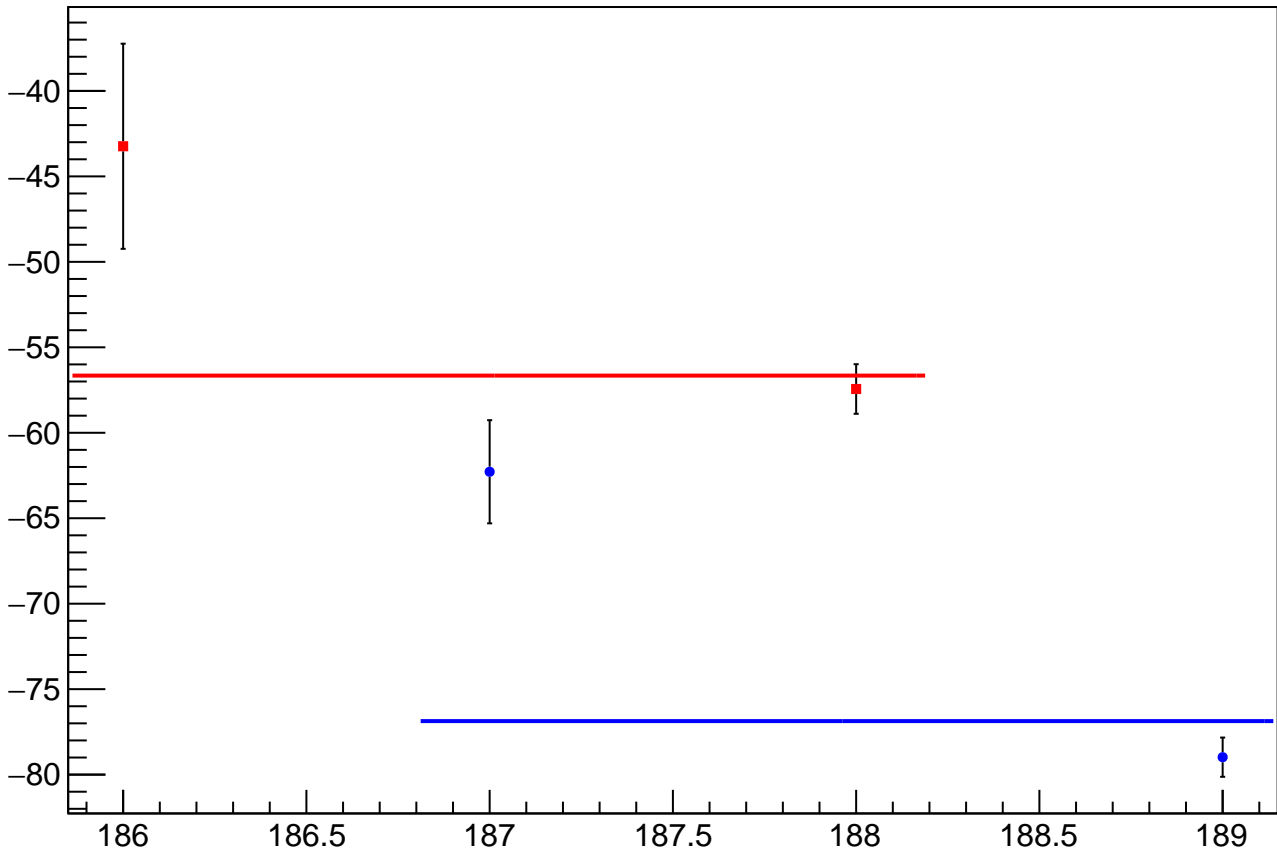
Right: -3.922+/-0.621  $\chi^2$ /NDF: 25.5/3

In: -3.376+/-0.912  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -3.922+/-0.621  $\chi^2$ /NDF: 25.5/3

reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -76.869+/-1.073  $\chi^2$ /NDF: 26.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -56.654+/-1.411  $\chi^2$ /NDF: 5.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

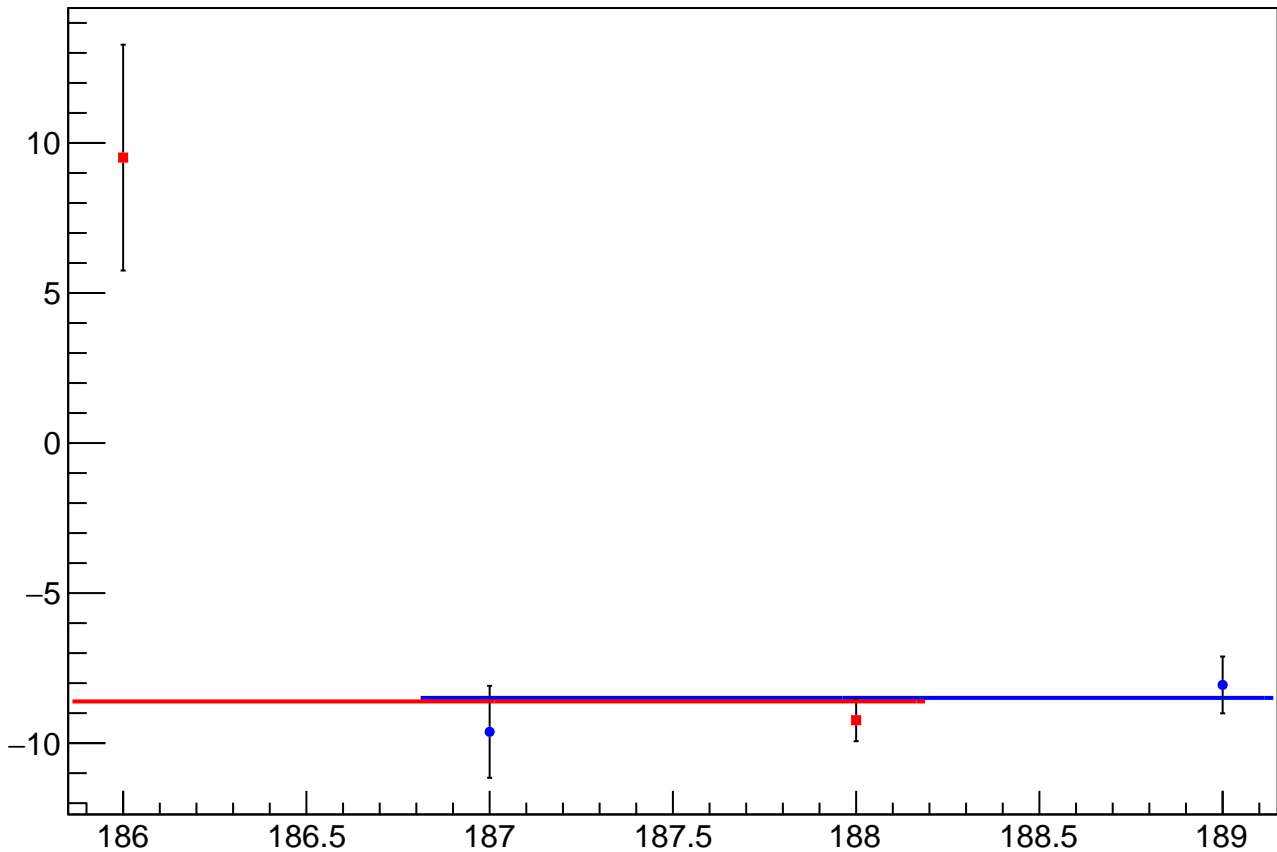
Right: -69.461+/-0.854  $\chi^2$ /NDF: 162.1/3

In: -76.869+/-1.073  $\chi^2$ /NDF:26.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -69.461+/-0.854  $\chi^2$ /NDF: 162.1/3

reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -8.492+/-0.805  $\chi^2$ /NDF: 0.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -8.611+/-0.687  $\chi^2$ /NDF: 24.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

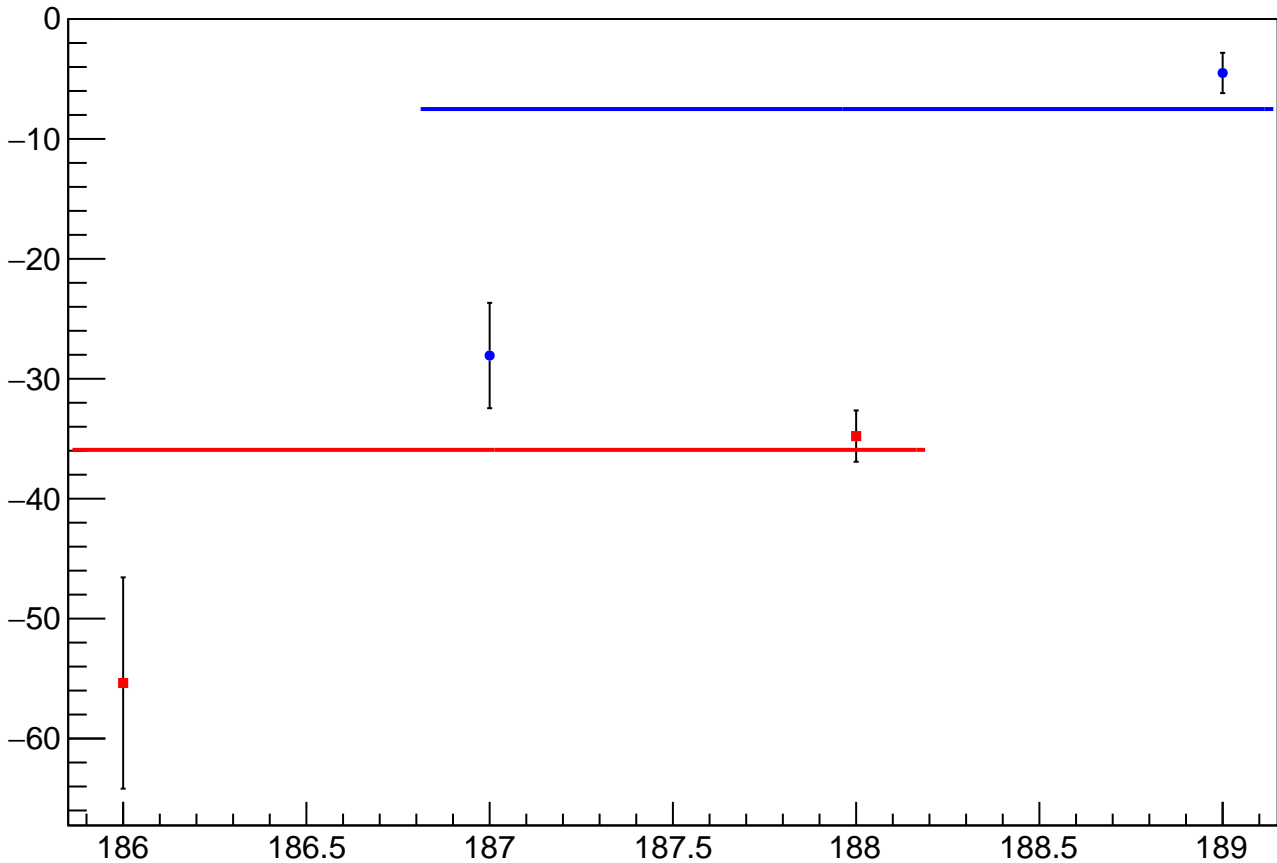
Right: -8.561+/-0.523  $\chi^2$ /NDF: 24.8/3

In: -8.492+/-0.805  $\chi^2$ /NDF:0.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -8.561+/-0.523  $\chi^2$ /NDF: 24.8/3

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -7.507+/-1.570  $\chi^2$ /NDF: 25.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -35.927+/-2.080  $\chi^2$ /NDF: 5.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

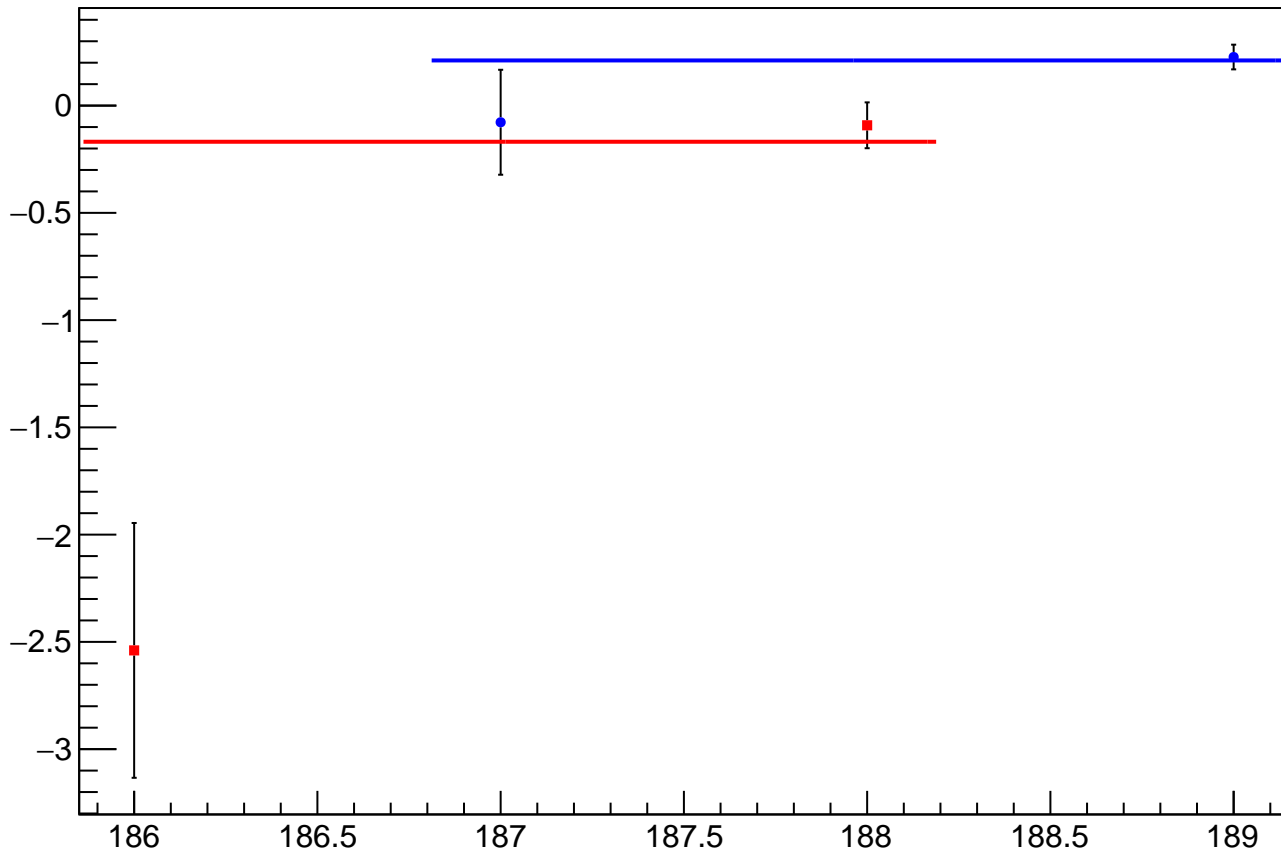
Right: -17.824+/-1.253  $\chi^2$ /NDF: 149.2/3

In: -7.507+/-1.570  $\chi^2$ /NDF:25.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -17.824+/-1.253  $\chi^2$ /NDF: 149.2/3

reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.211+/-0.056  $\chi^2$ /NDF: 1.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.169+/-0.105  $\chi^2$ /NDF: 16.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

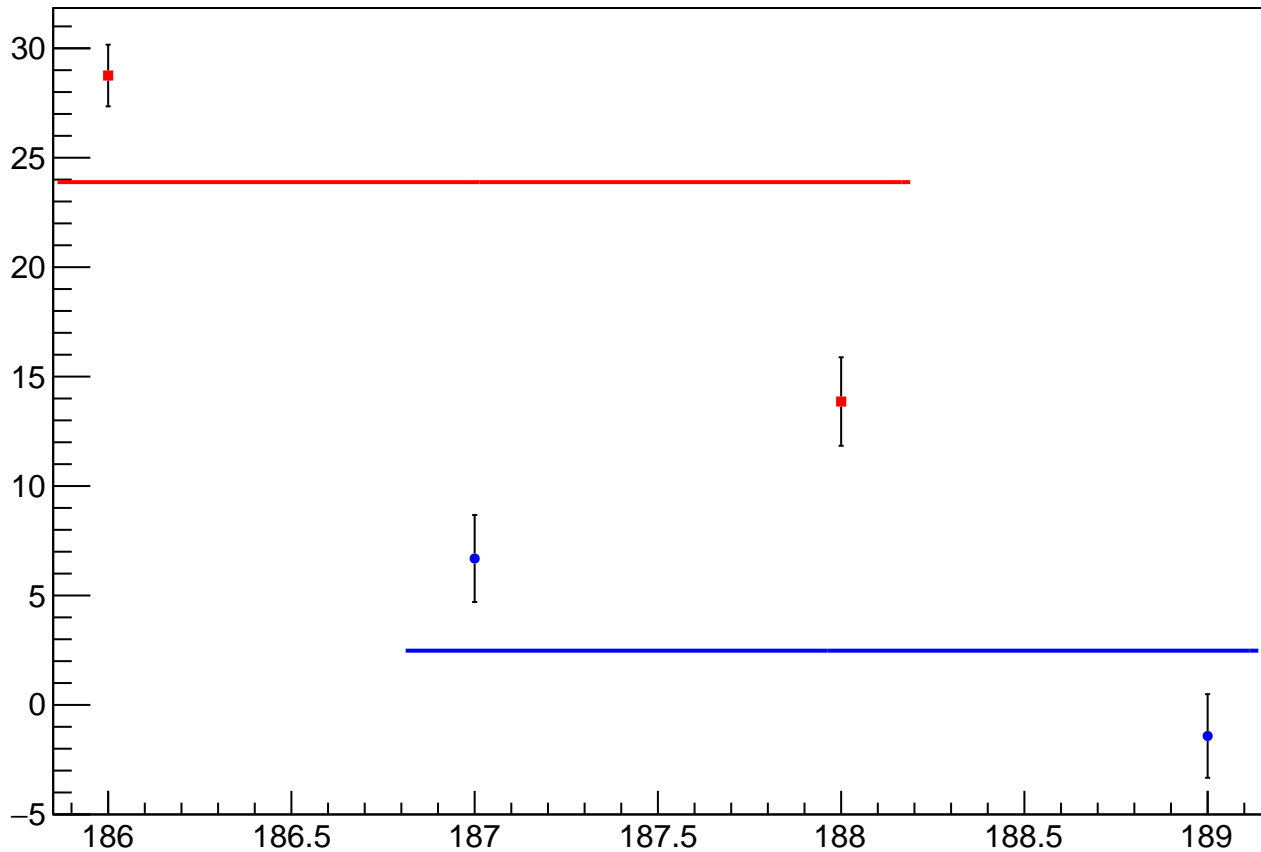
Right: 0.127+/-0.049  $\chi^2$ /NDF: 28.0/3

In: 0.211+/-0.056  $\chi^2$ /NDF:1.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.127+/-0.049  $\chi^2$ /NDF: 28.0/3

# reg\_asym\_sam\_37\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 2.479+/-1.377  $\chi^2$ /NDF: 8.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 23.884+/-1.156  $\chi^2$ /NDF: 36.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

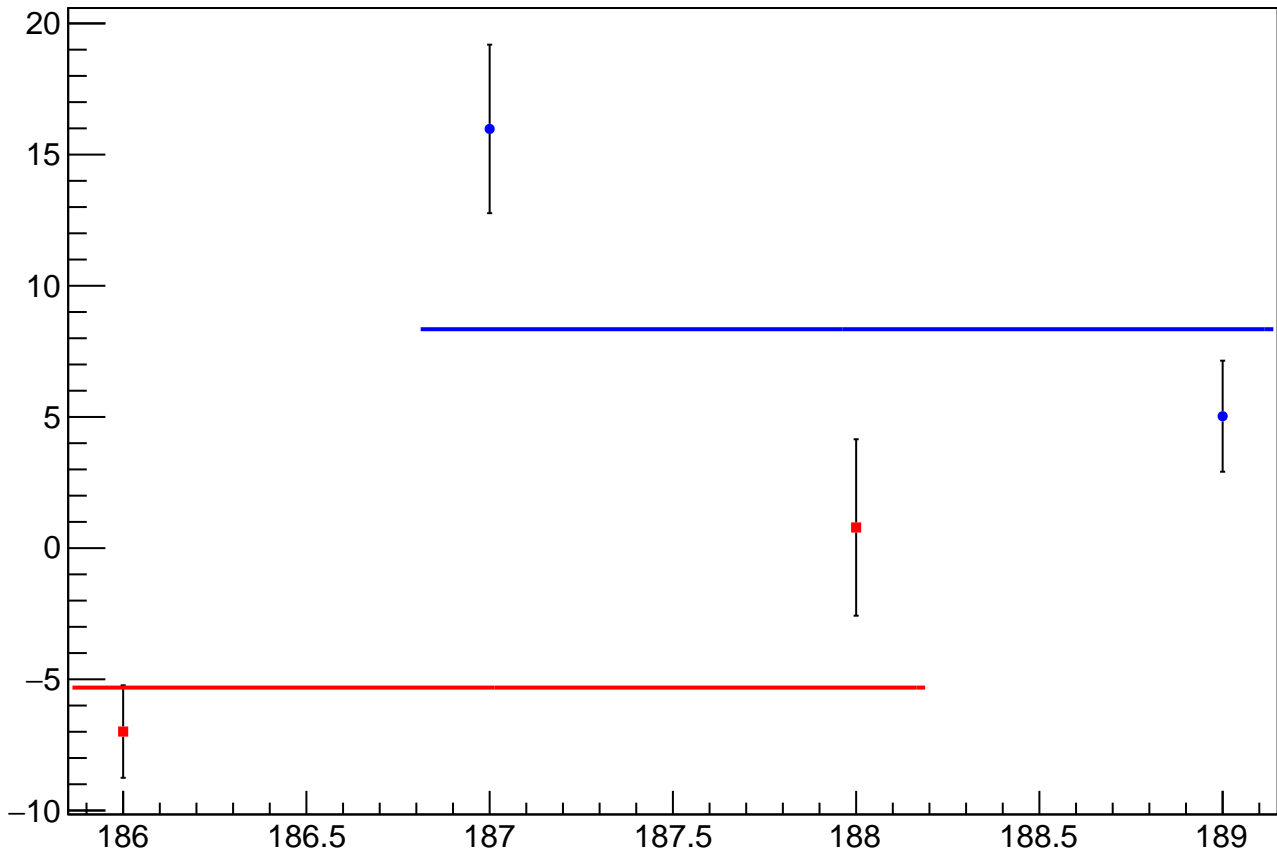
Right: 15.036+/-0.886  $\chi^2$ /NDF: 186.9/3

In: 2.479+/-1.377  $\chi^2$ /NDF:8.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 15.036+/-0.886  $\chi^2$ /NDF: 186.9/3

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.344+/-1.767  $\chi^2$ /NDF: 8.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5.315+/-1.561  $\chi^2$ /NDF: 4.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

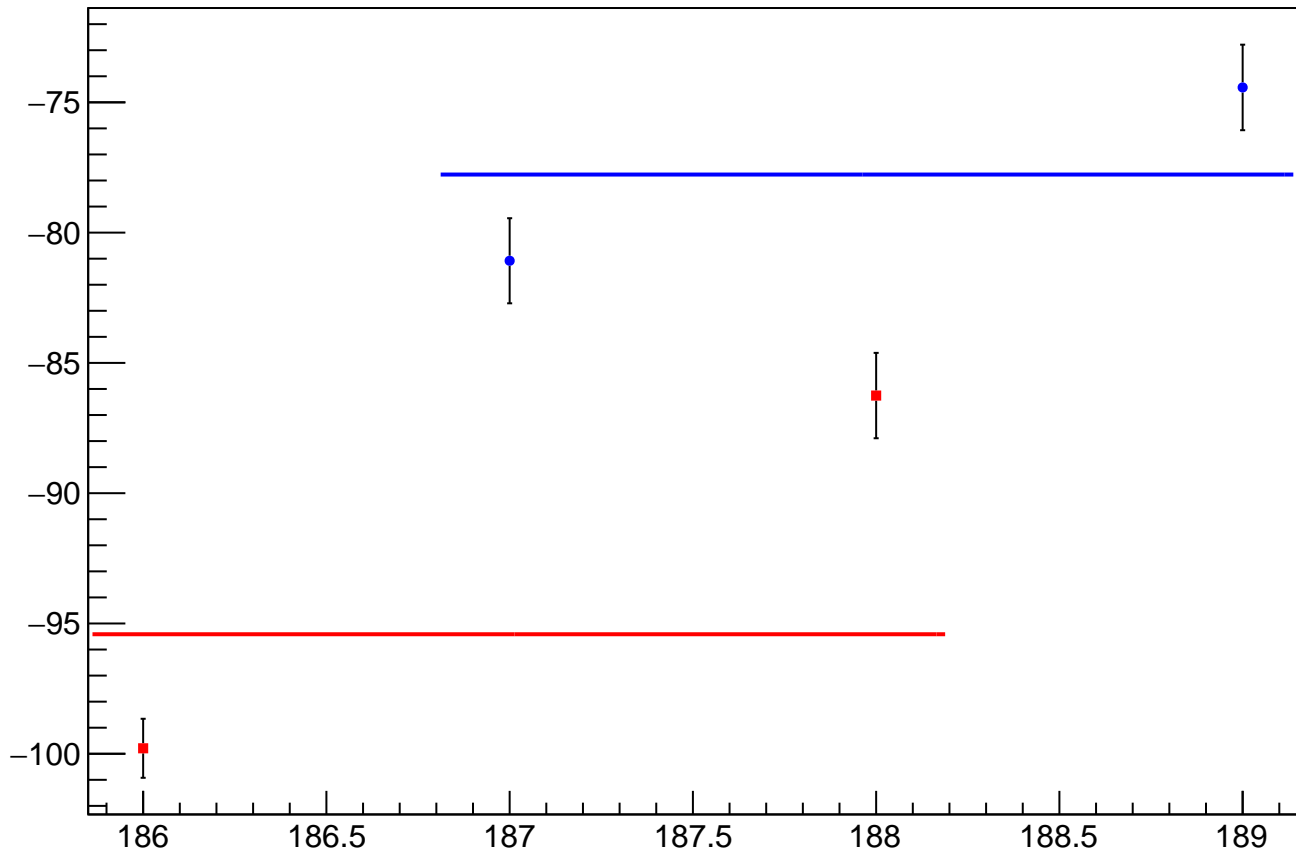
Right: 0.671+/-1.170  $\chi^2$ /NDF: 45.9/3

In: 8.344+/-1.767  $\chi^2$ /NDF:8.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.671+/-1.170  $\chi^2$ /NDF: 45.9/3

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-77.771 \pm 1.158$   $\chi^2/\text{NDF}: 8.3/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-95.413 \pm 0.932$   $\chi^2/\text{NDF}: 46.2/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-88.479 \pm 0.726$   $\chi^2/\text{NDF}: 195.4/3$

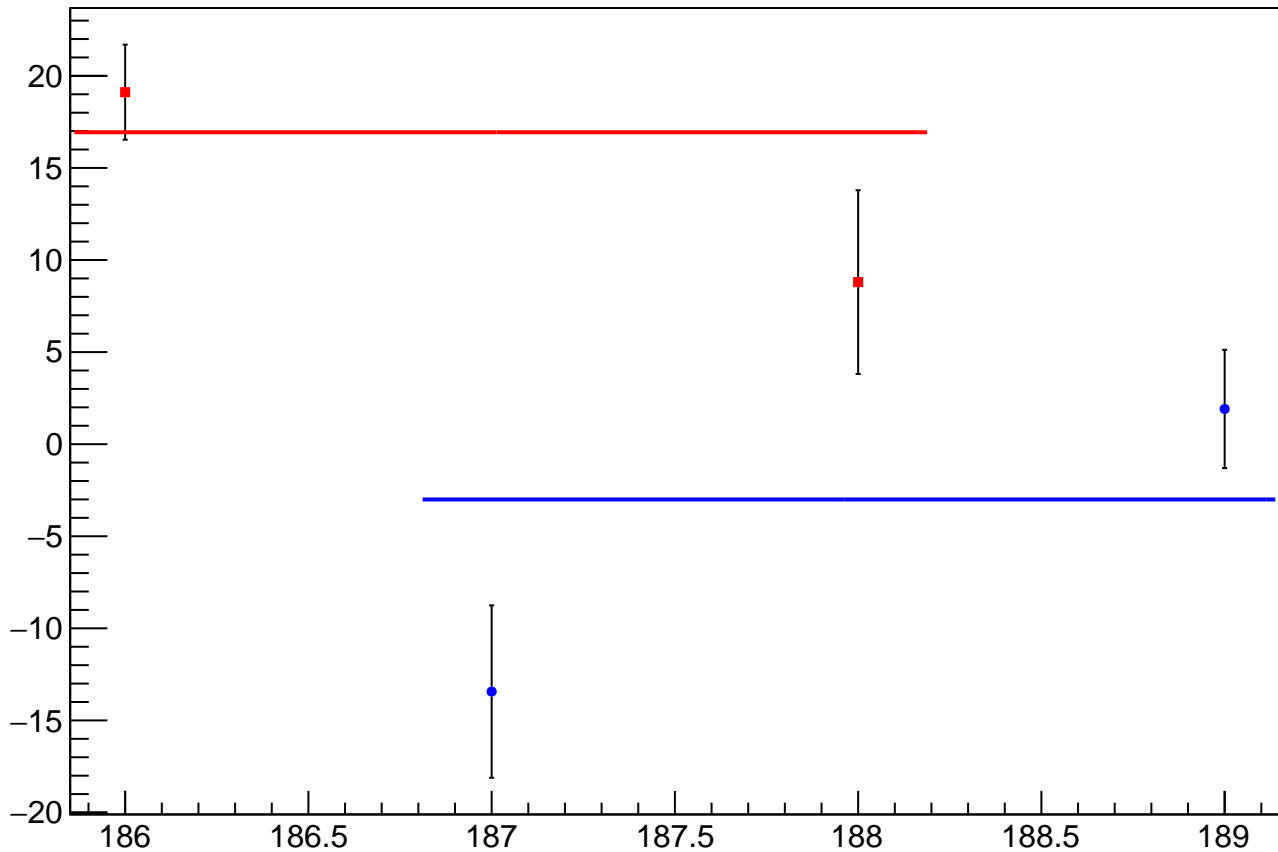
In:  $-77.771 \pm 1.158$   $\chi^2/\text{NDF}: 8.3/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-88.479 \pm 0.726$   $\chi^2/\text{NDF}: 195.4/3$



# reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -3.003+/-2.649  $\chi^2$ /NDF: 7.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 16.937+/-2.292  $\chi^2$ /NDF: 3.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

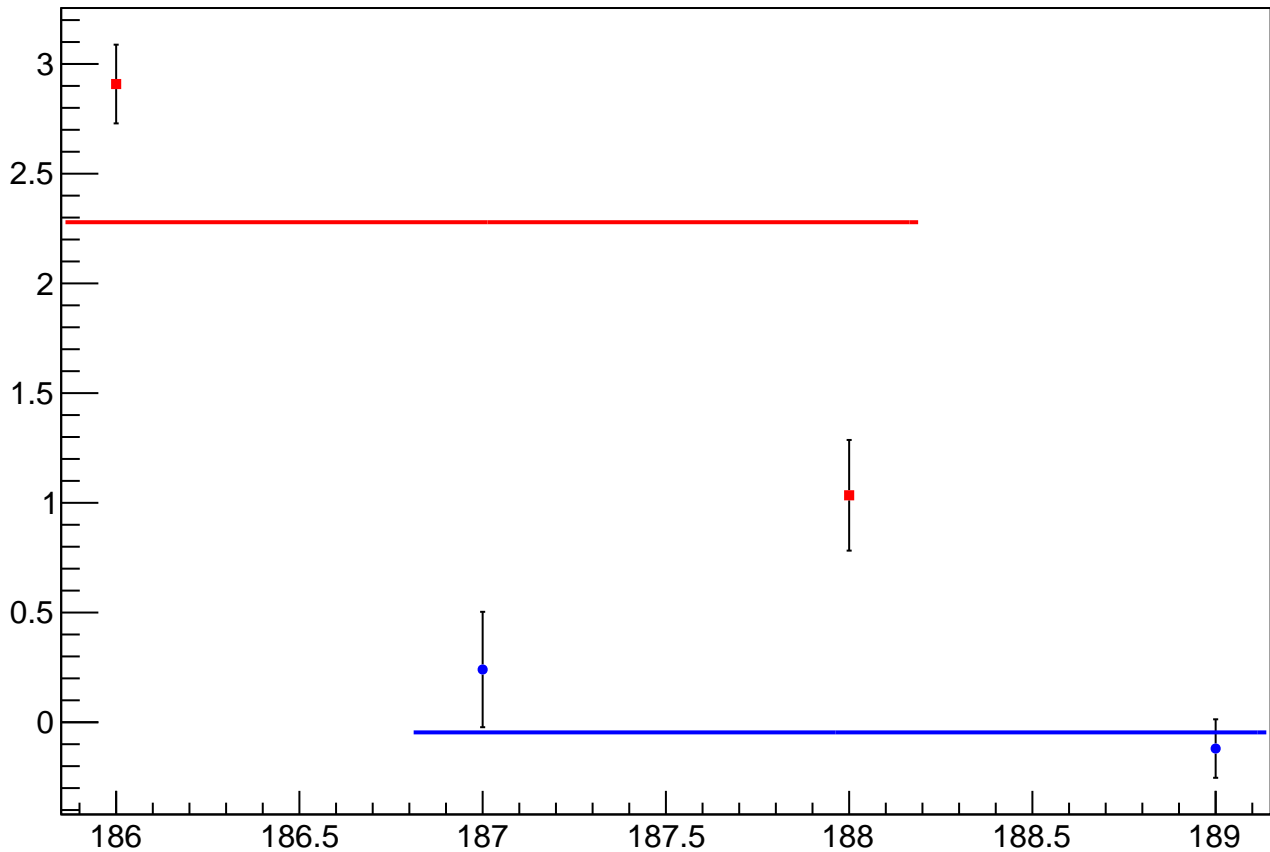
Right: 8.402+/-1.733  $\chi^2$ /NDF: 43.1/3

In: -3.003+/-2.649  $\chi^2$ /NDF:7.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 8.402+/-1.733  $\chi^2$ /NDF: 43.1/3

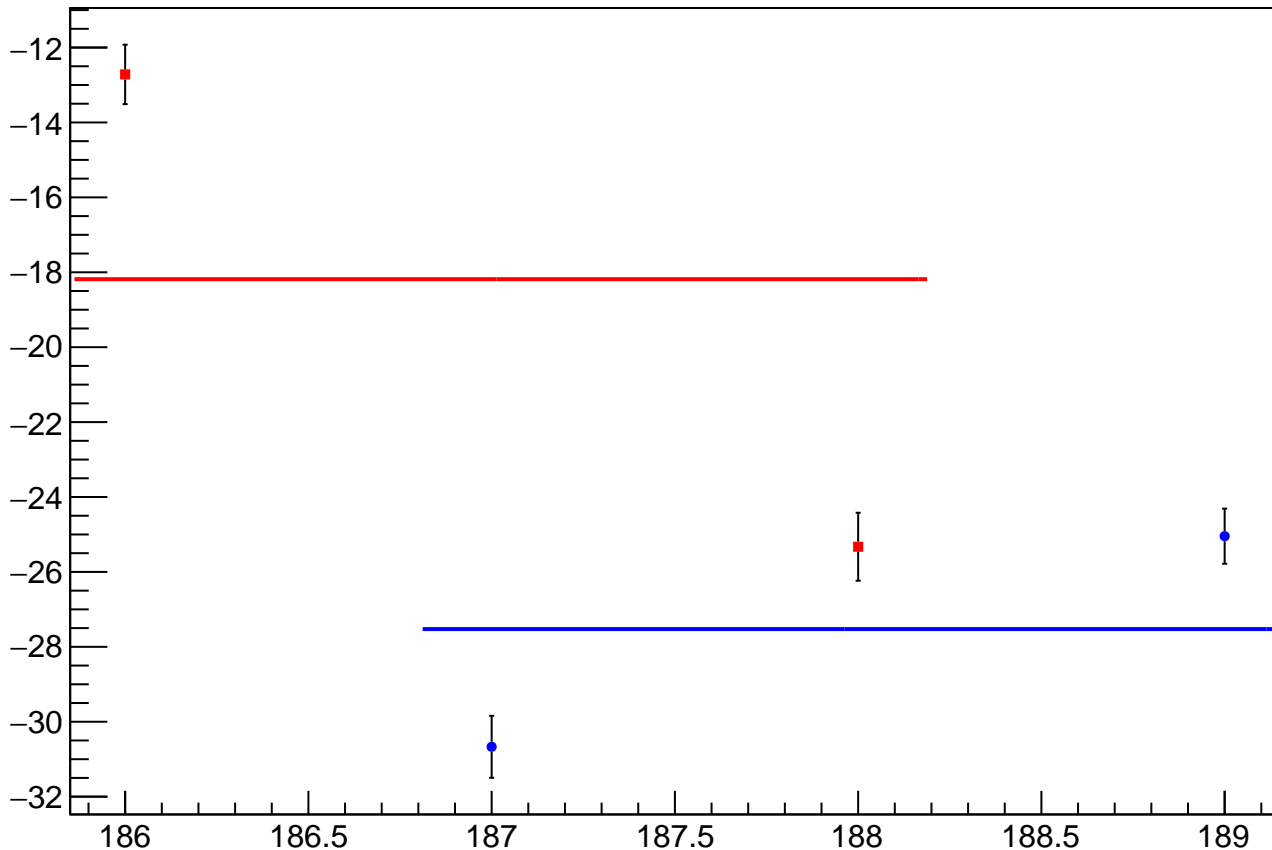
reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.046 \pm 0.119$   $\chi^2/\text{NDF}: 1.5/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $2.279 \pm 0.146$   $\chi^2/\text{NDF}: 36.7/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $0.880 \pm 0.092$   $\chi^2/\text{NDF}: 190.5/3$   
 In:  $-0.046 \pm 0.119$   $\chi^2/\text{NDF}: 1.5/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $0.880 \pm 0.092$   $\chi^2/\text{NDF}: 190.5/3$

reg\_asym\_sam\_37\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -27.526+/-0.550  $\chi^2$ /NDF: 25.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -18.184+/-0.597  $\chi^2$ /NDF: 109.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

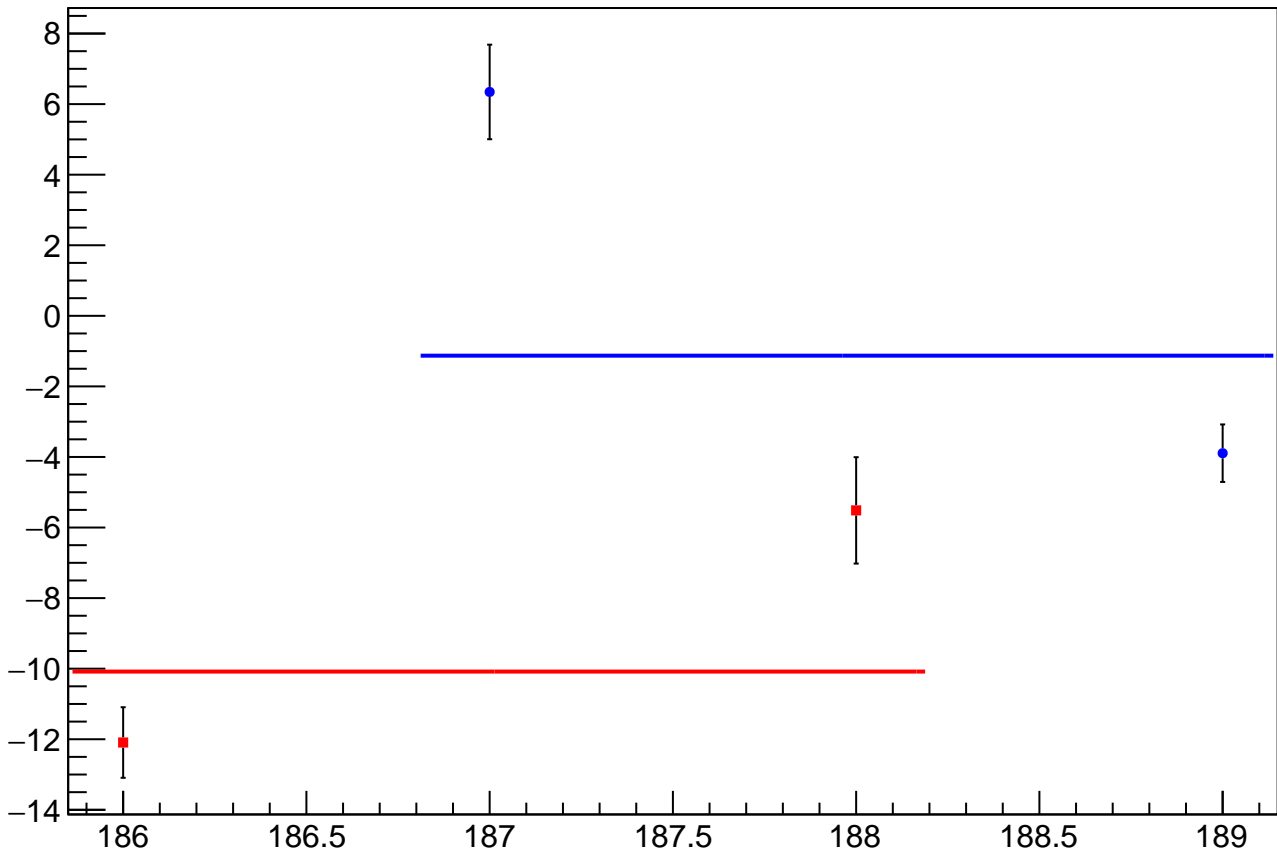
Right: -23.243+/-0.405  $\chi^2$ /NDF: 267.7/3

In: -27.526+/-0.550  $\chi^2$ /NDF:25.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -23.243+/-0.405  $\chi^2$ /NDF: 267.7/3

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -1.129+/-0.696  $\chi^2$ /NDF: 42.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -10.082+/-0.833  $\chi^2$ /NDF: 13.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

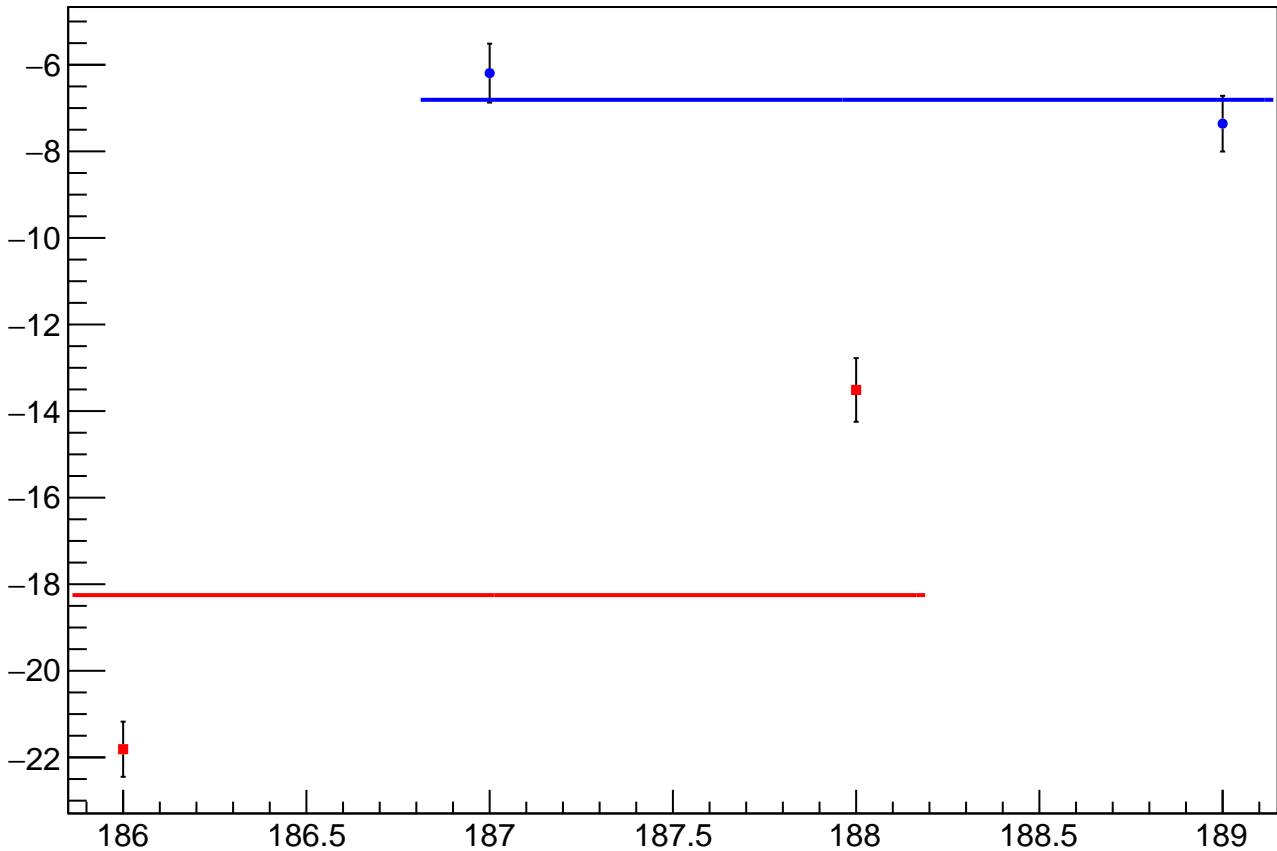
Right: -4.809+/-0.534  $\chi^2$ /NDF: 123.8/3

In: -1.129+/-0.696  $\chi^2$ /NDF:42.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -4.809+/-0.534  $\chi^2$ /NDF: 123.8/3

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -6.809+/-0.467  $\chi^2$ /NDF: 1.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -18.251+/-0.481  $\chi^2$ /NDF: 72.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

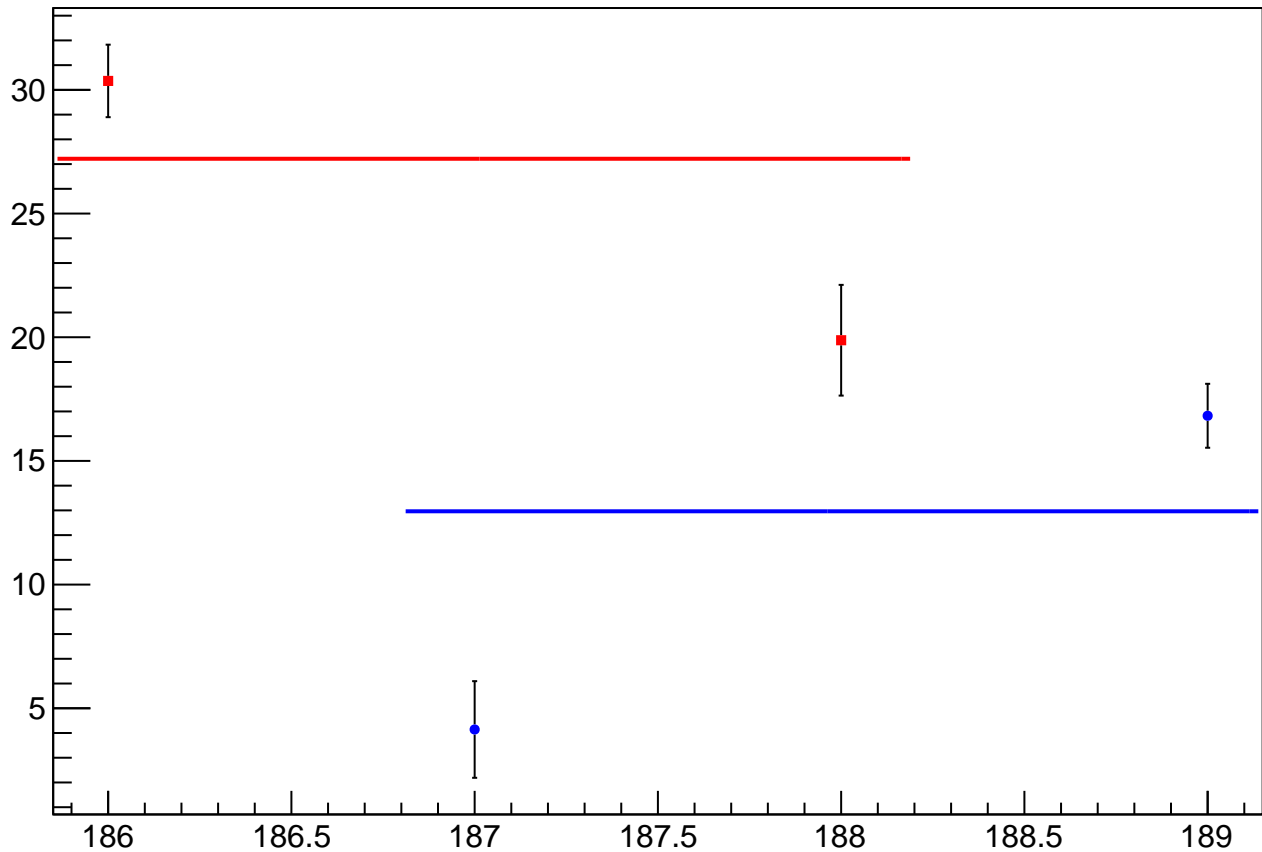
Right: -12.361+/-0.335  $\chi^2$ /NDF: 365.1/3

In: -6.809+/-0.467  $\chi^2$ /NDF:1.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -12.361+/-0.335  $\chi^2$ /NDF: 365.1/3

# reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 12.963+/-1.078  $\chi^2$ /NDF: 29.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 27.215+/-1.226  $\chi^2$ /NDF: 15.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

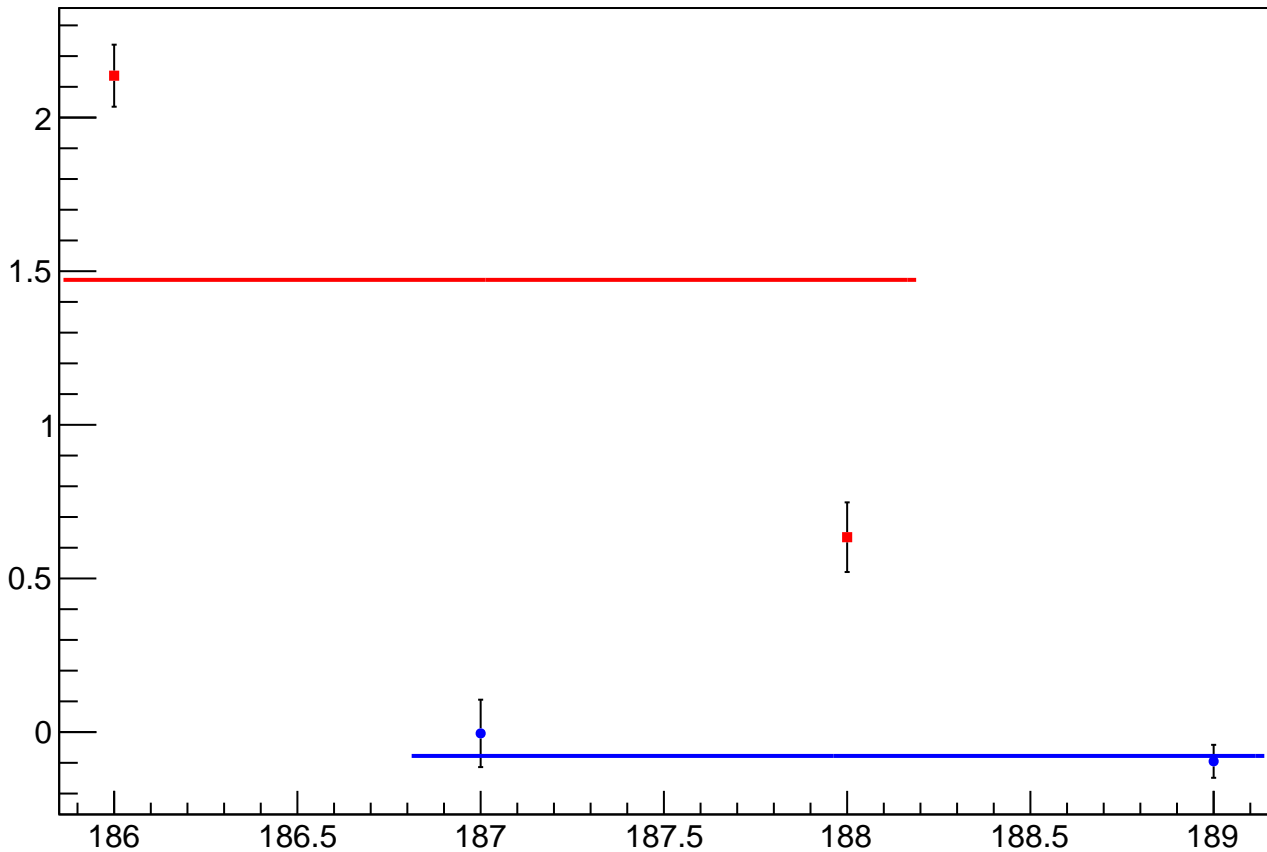
Right: 19.176+/-0.810  $\chi^2$ /NDF: 120.9/3

In: 12.963+/-1.078  $\chi^2$ /NDF:29.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 19.176+/-0.810  $\chi^2$ /NDF: 120.9/3

# reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.078+/-0.048  $\chi^2$ /NDF: 0.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.472+/-0.075  $\chi^2$ /NDF: 97.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

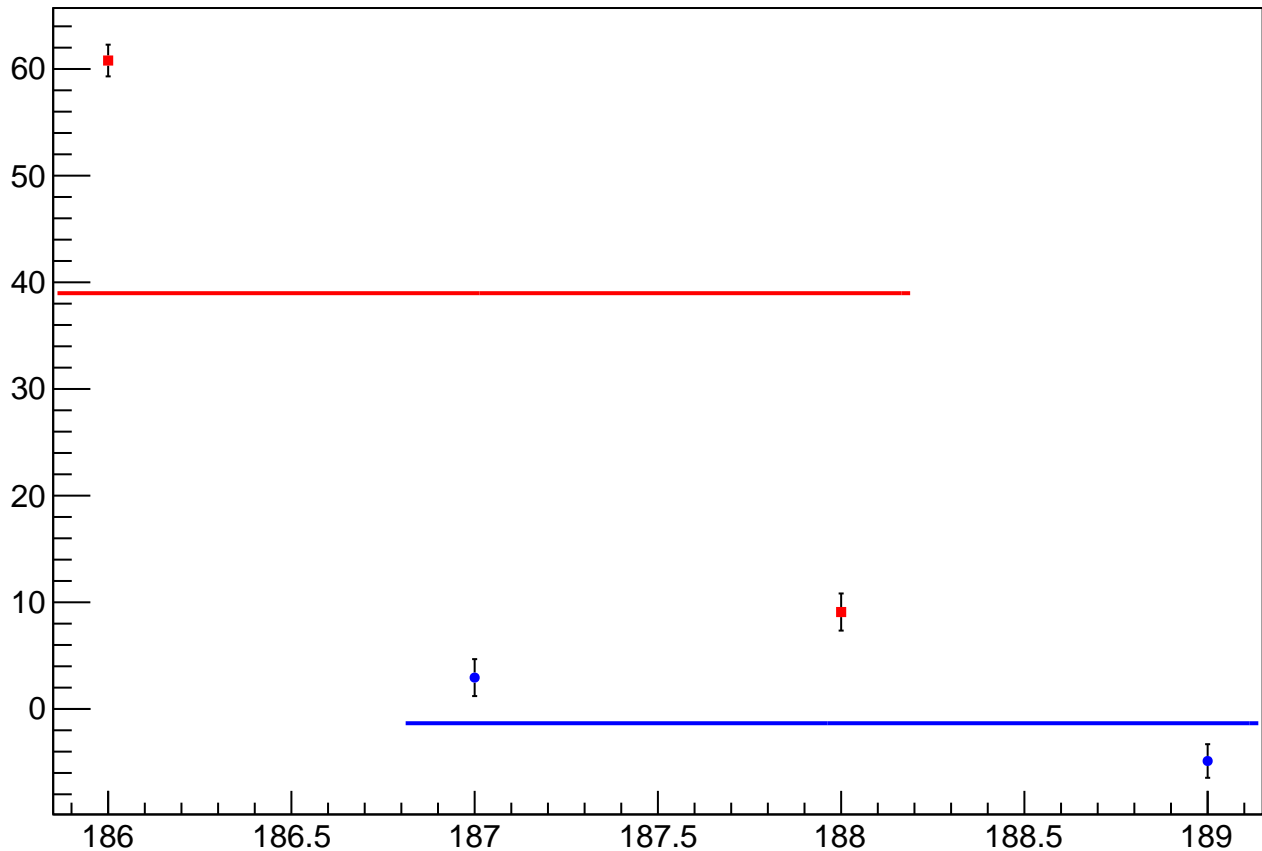
Right: 0.372+/-0.041  $\chi^2$ /NDF: 398.4/3

In: -0.078+/-0.048  $\chi^2$ /NDF:0.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.372+/-0.041  $\chi^2$ /NDF: 398.4/3

# reg\_asym\_sam\_26\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -1.338+/-1.166  $\chi^2$ /NDF: 11.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 38.981+/-1.130  $\chi^2$ /NDF: 510.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 19.441+/-0.811  $\chi^2$ /NDF: 1138.1/3

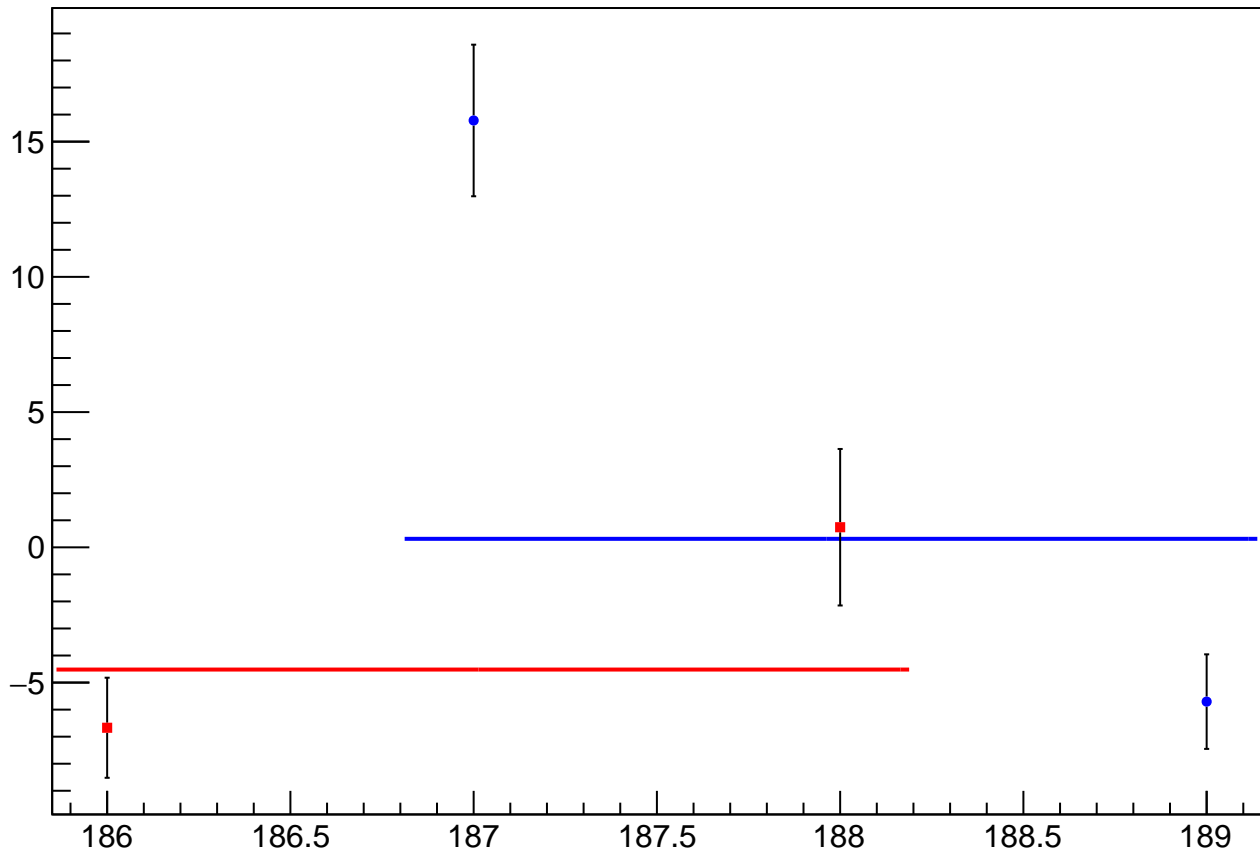
In: -1.338+/-1.166  $\chi^2$ /NDF:11.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 19.441+/-0.811  $\chi^2$ /NDF: 1138.1/3



reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.315+/-1.483  $\chi^2$ /NDF: 42.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -4.519+/-1.559  $\chi^2$ /NDF: 4.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

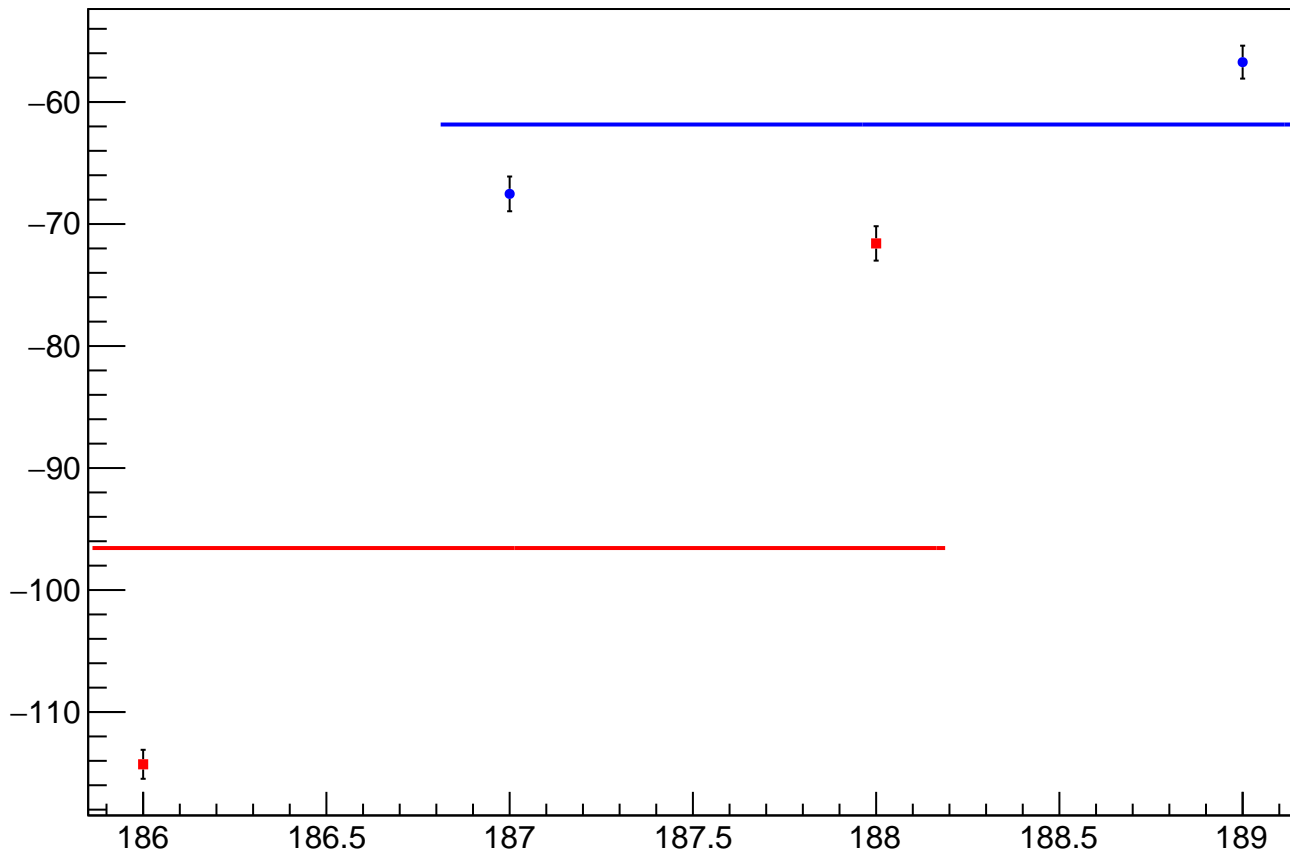
Right: -1.982+/-1.075  $\chi^2$ /NDF: 52.0/3

In: 0.315+/-1.483  $\chi^2$ /NDF:42.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1.982+/-1.075  $\chi^2$ /NDF: 52.0/3

reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -61.842+/-0.980  $\chi^2$ /NDF: 30.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -96.557+/-0.909  $\chi^2$ /NDF: 536.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

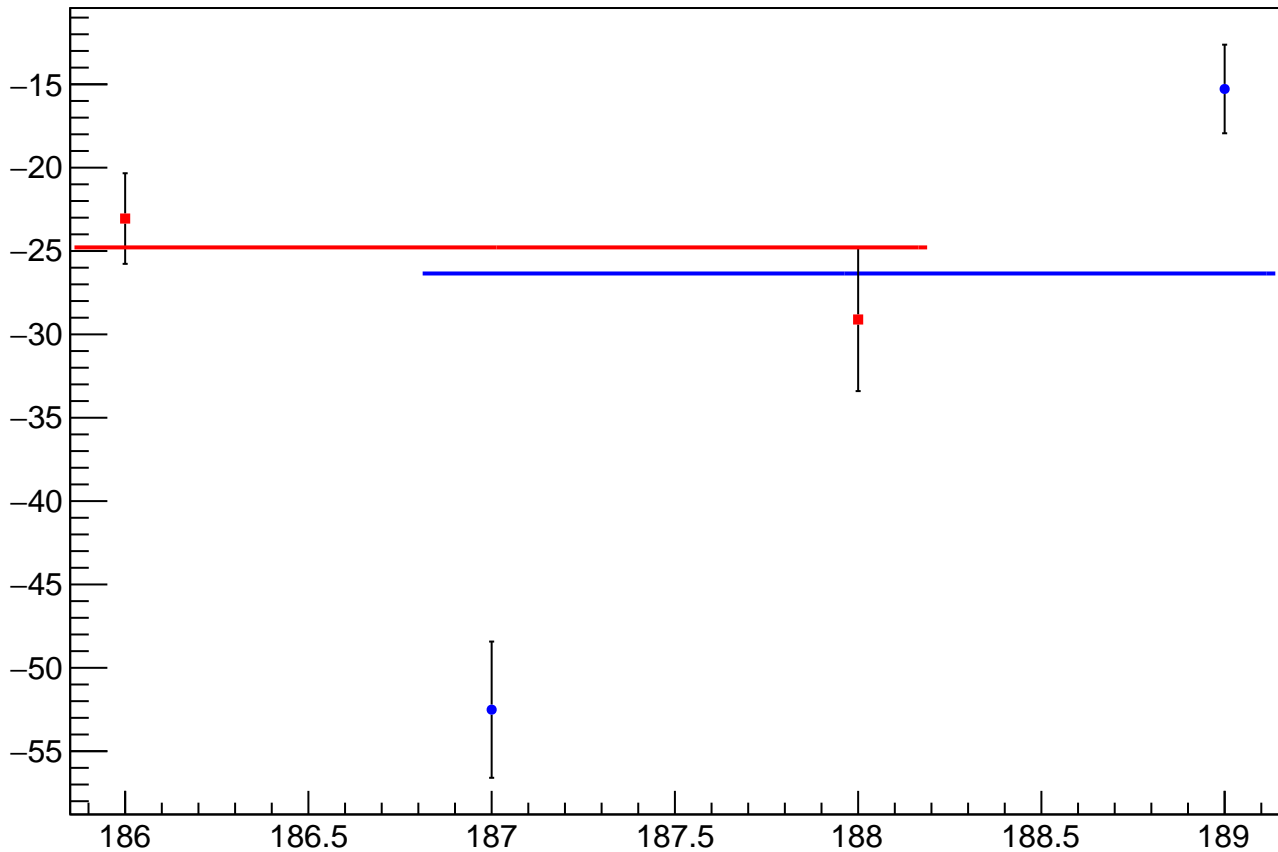
Right: -80.504+/-0.666  $\chi^2$ /NDF: 1241.6/3

In: -61.842+/-0.980  $\chi^2$ /NDF:30.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -80.504+/-0.666  $\chi^2$ /NDF: 1241.6/3

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -26.348+/-2.228  $\chi^2$ /NDF: 58.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -24.783+/-2.296  $\chi^2$ /NDF: 1.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

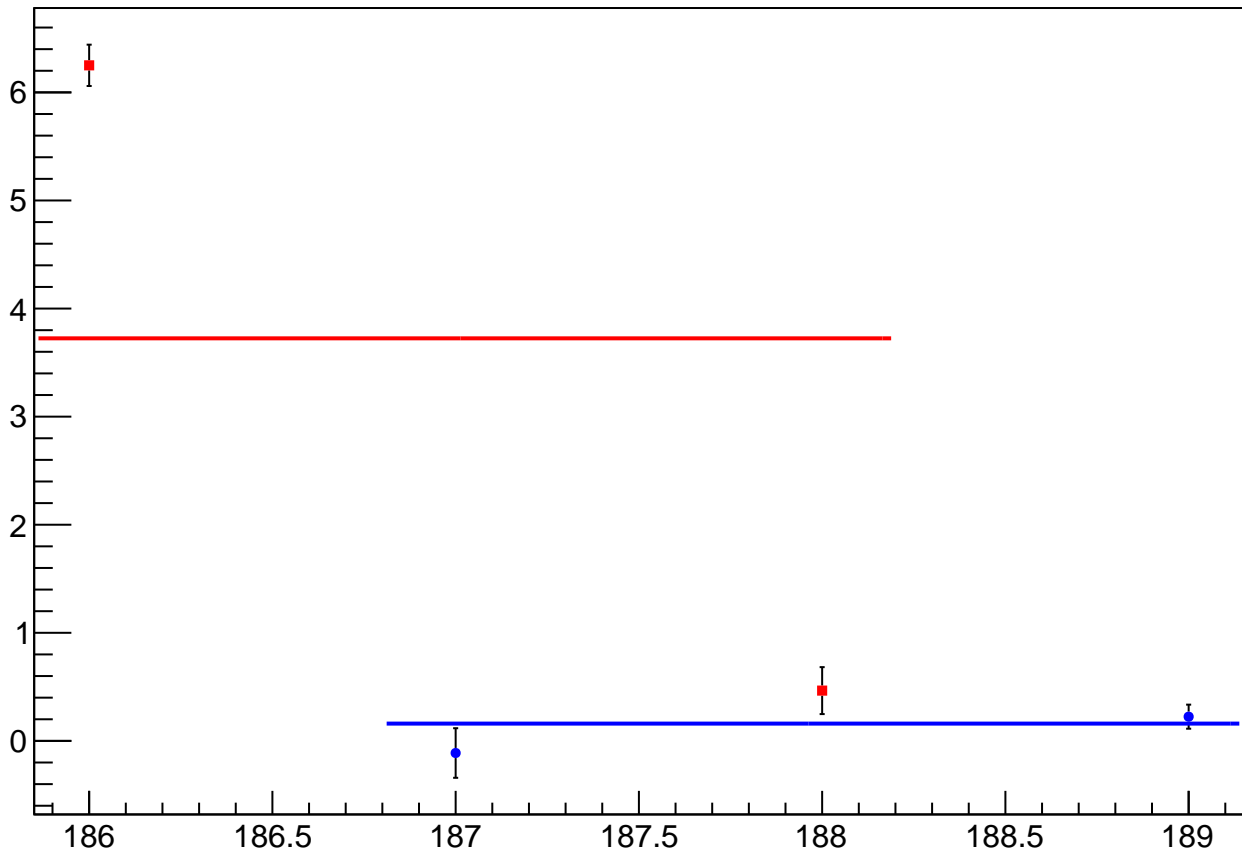
Right: -25.589+/-1.599  $\chi^2$ /NDF: 60.0/3

In: -26.348+/-2.228  $\chi^2$ /NDF:58.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -25.589+/-1.599  $\chi^2$ /NDF: 60.0/3

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.160+/-0.100  $\chi^2/\text{NDF}$ : 1.7/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.724+/-0.143  $\chi^2/\text{NDF}$ : 399.8/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

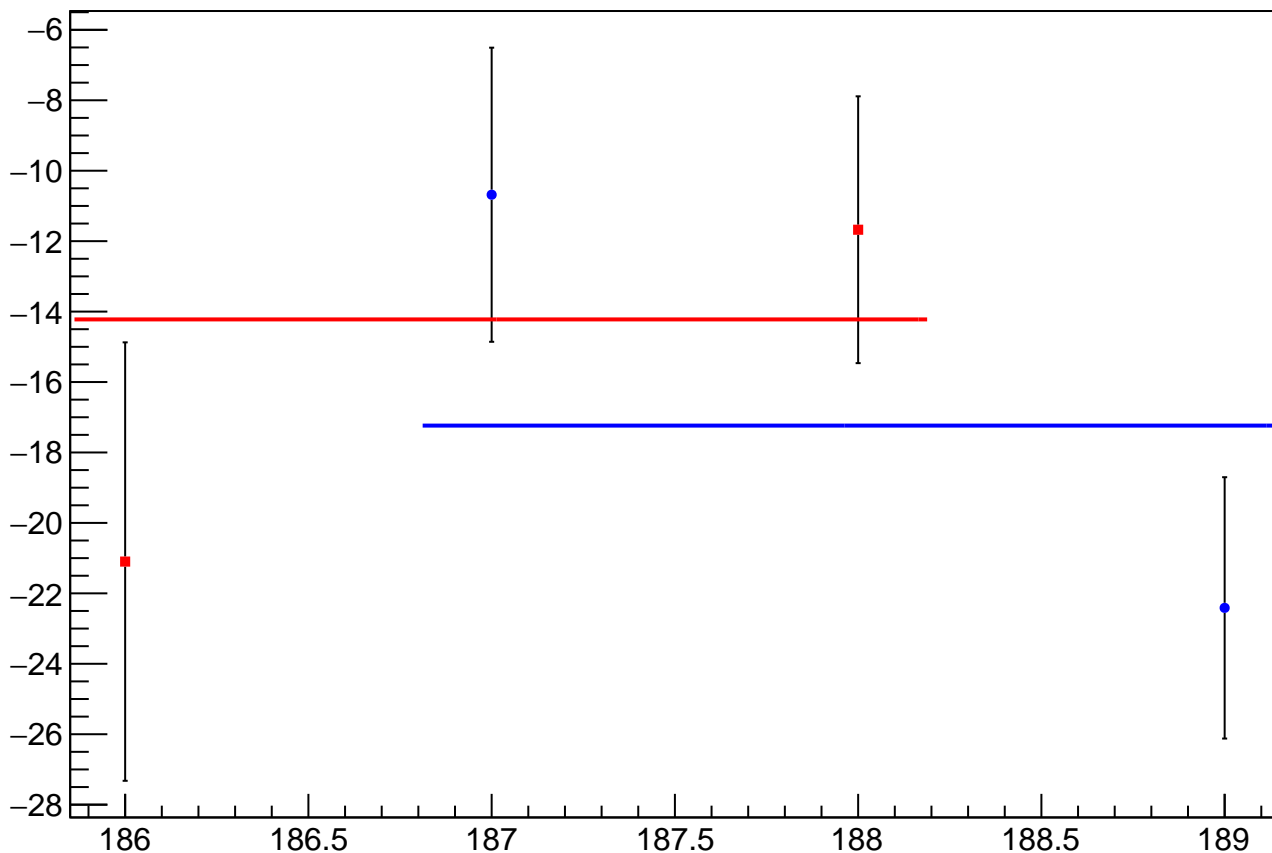
Right: 1.328+/-0.082  $\chi^2/\text{NDF}$ : 816.5/3

In: 0.160+/-0.100  $\chi^2/\text{NDF}$ : 1.7/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.328+/-0.082  $\chi^2/\text{NDF}$ : 816.5/3

reg\_asym\_sam\_26\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -17.237+/-2.774  $\chi^2$ /NDF: 4.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -14.222+/-3.236  $\chi^2$ /NDF: 1.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

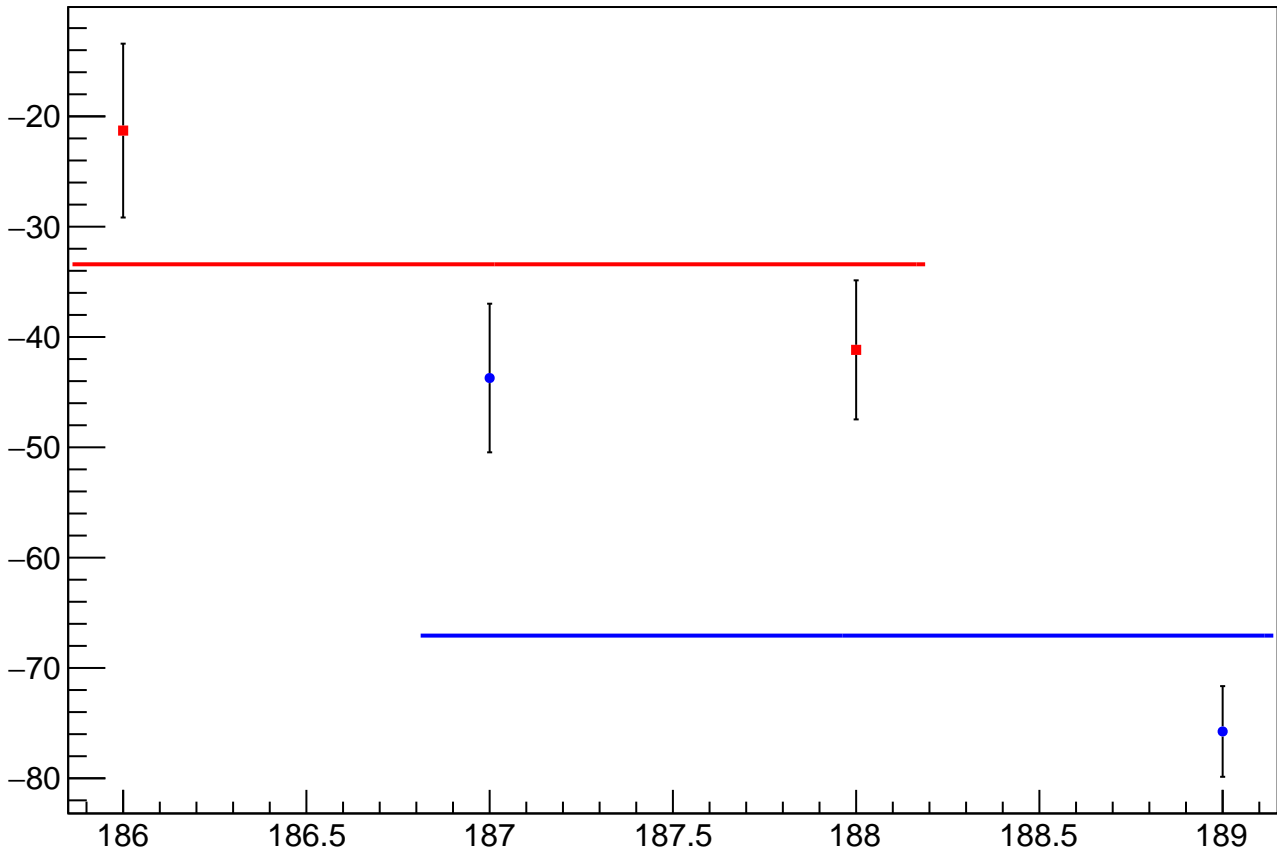
Right: -15.960+/-2.106  $\chi^2$ /NDF: 6.6/3

In: -17.237+/-2.774  $\chi^2$ /NDF:4.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -15.960+/-2.106  $\chi^2$ /NDF: 6.6/3

# reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -67.067+/-3.508  $\chi^2$ /NDF: 16.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -33.409+/-4.922  $\chi^2$ /NDF: 3.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

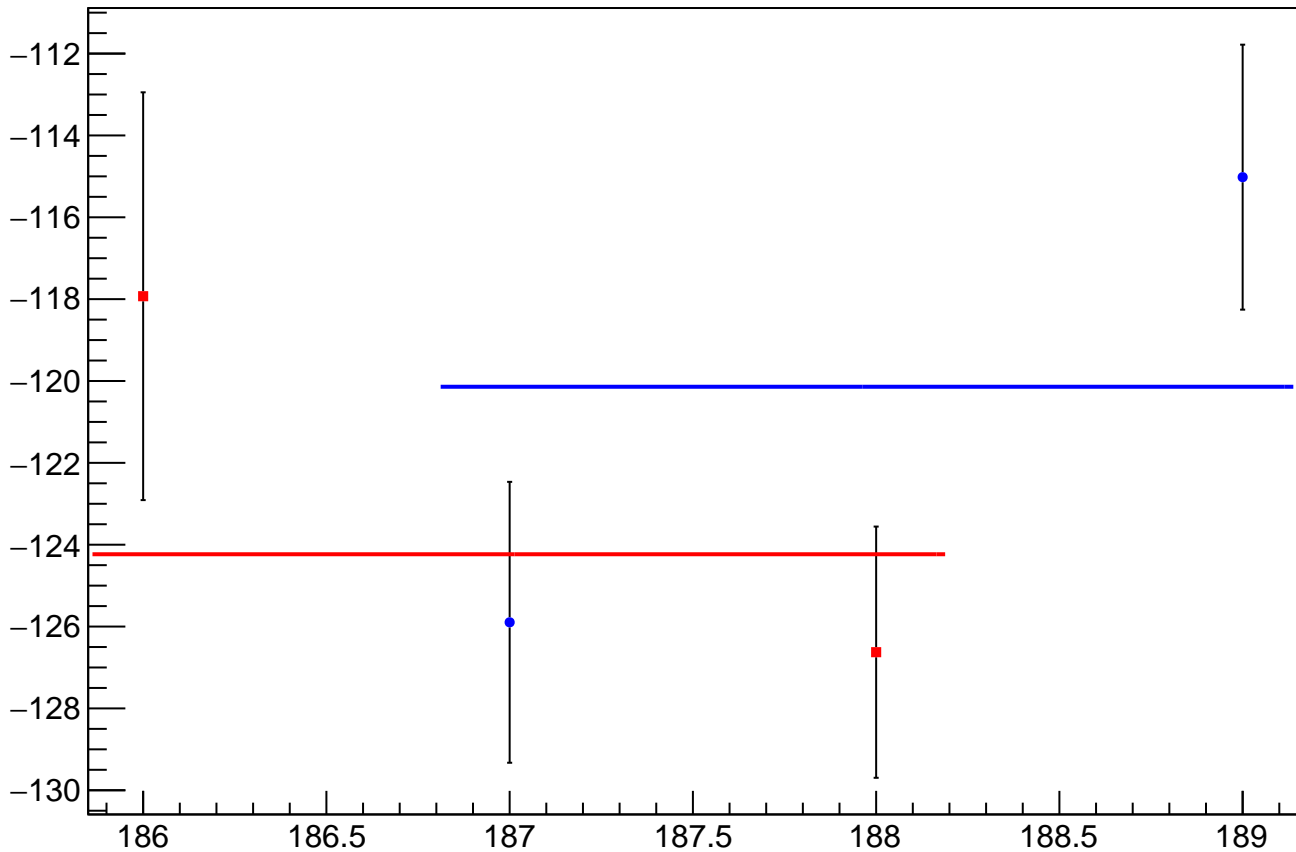
Right: -55.727+/-2.857  $\chi^2$ /NDF: 51.4/3

In: -67.067+/-3.508  $\chi^2$ /NDF:16.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -55.727+/-2.857  $\chi^2$ /NDF: 51.4/3

reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -120.141+/-2.355  $\chi^2$ /NDF: 5.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -124.233+/-2.613  $\chi^2$ /NDF: 2.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

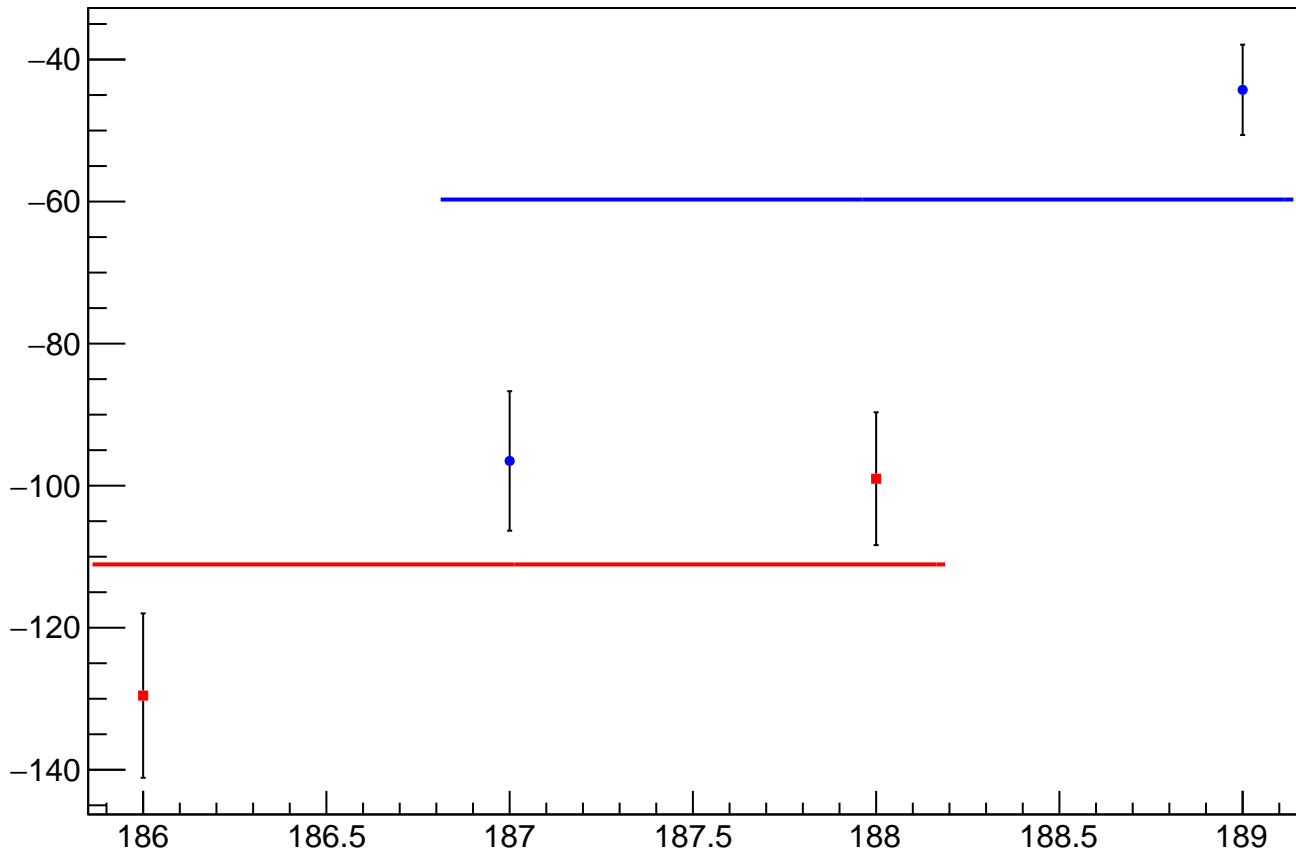
Right: -121.975+/-1.749  $\chi^2$ /NDF: 8.9/3

In: -120.141+/-2.355  $\chi^2$ /NDF:5.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -121.975+/-1.749  $\chi^2$ /NDF: 8.9/3

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -59.711+/-5.338  $\chi^2$ /NDF: 19.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -111.085+/-7.275  $\chi^2$ /NDF: 4.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -77.691+/-4.304  $\chi^2$ /NDF: 56.6/3

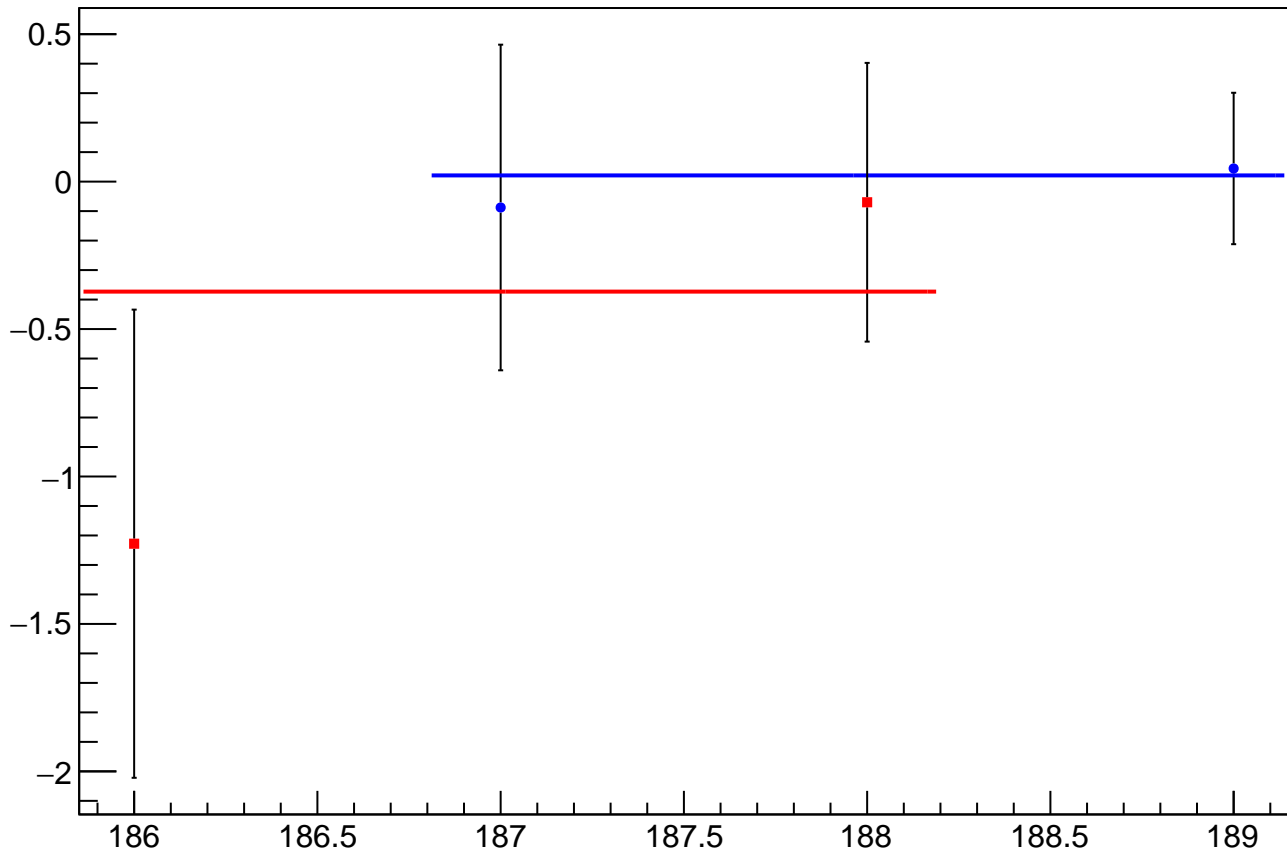
In: -59.711+/-5.338  $\chi^2$ /NDF:19.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -77.691+/-4.304  $\chi^2$ /NDF: 56.6/3



reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.233  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.373+/-0.406  $\chi^2$ /NDF: 1.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

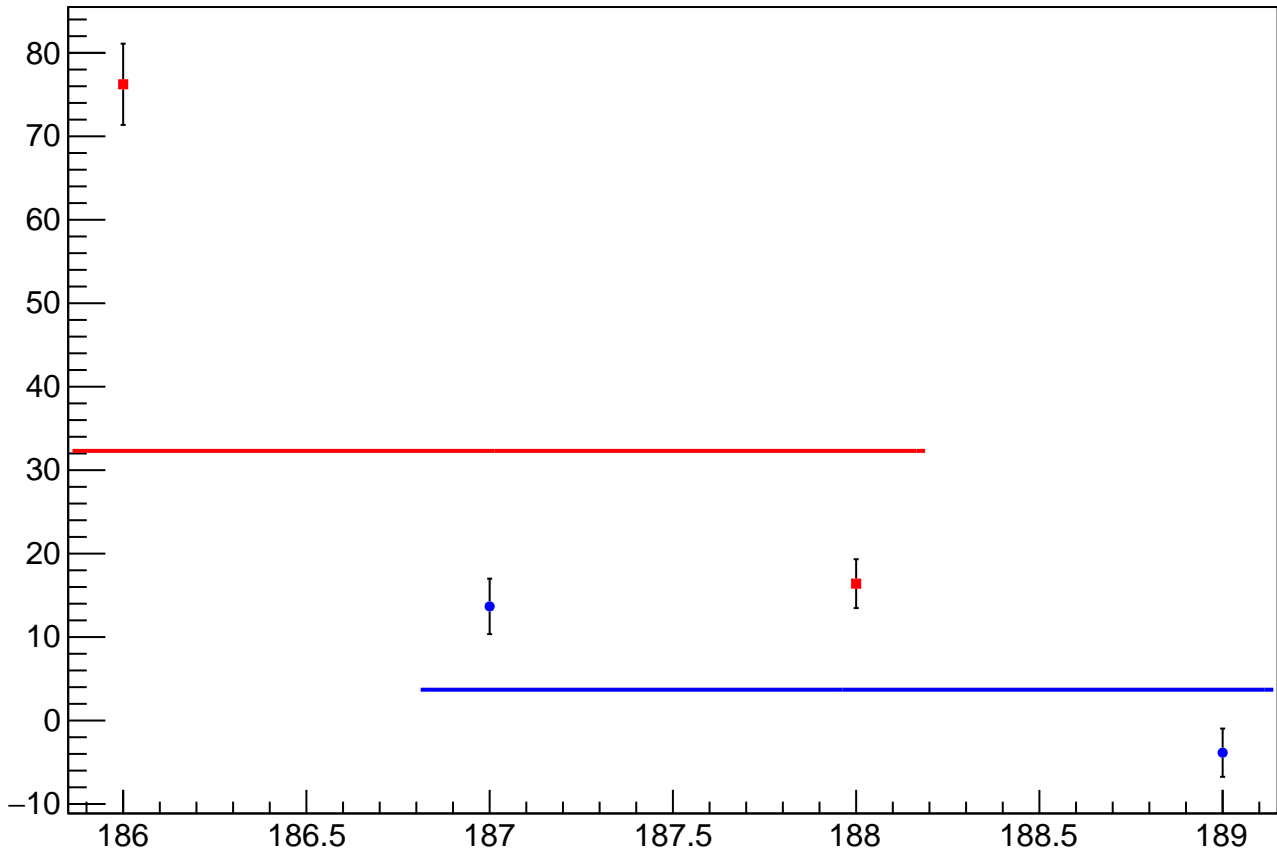
Right: -0.076+/-0.202  $\chi^2$ /NDF: 2.3/3

In: 0.021+/-0.233  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -0.076+/-0.202  $\chi^2$ /NDF: 2.3/3

# reg\_asym\_sam\_48\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 3.694+/-2.180  $\chi^2$ /NDF: 15.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 32.310+/-2.510  $\chi^2$ /NDF: 111.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

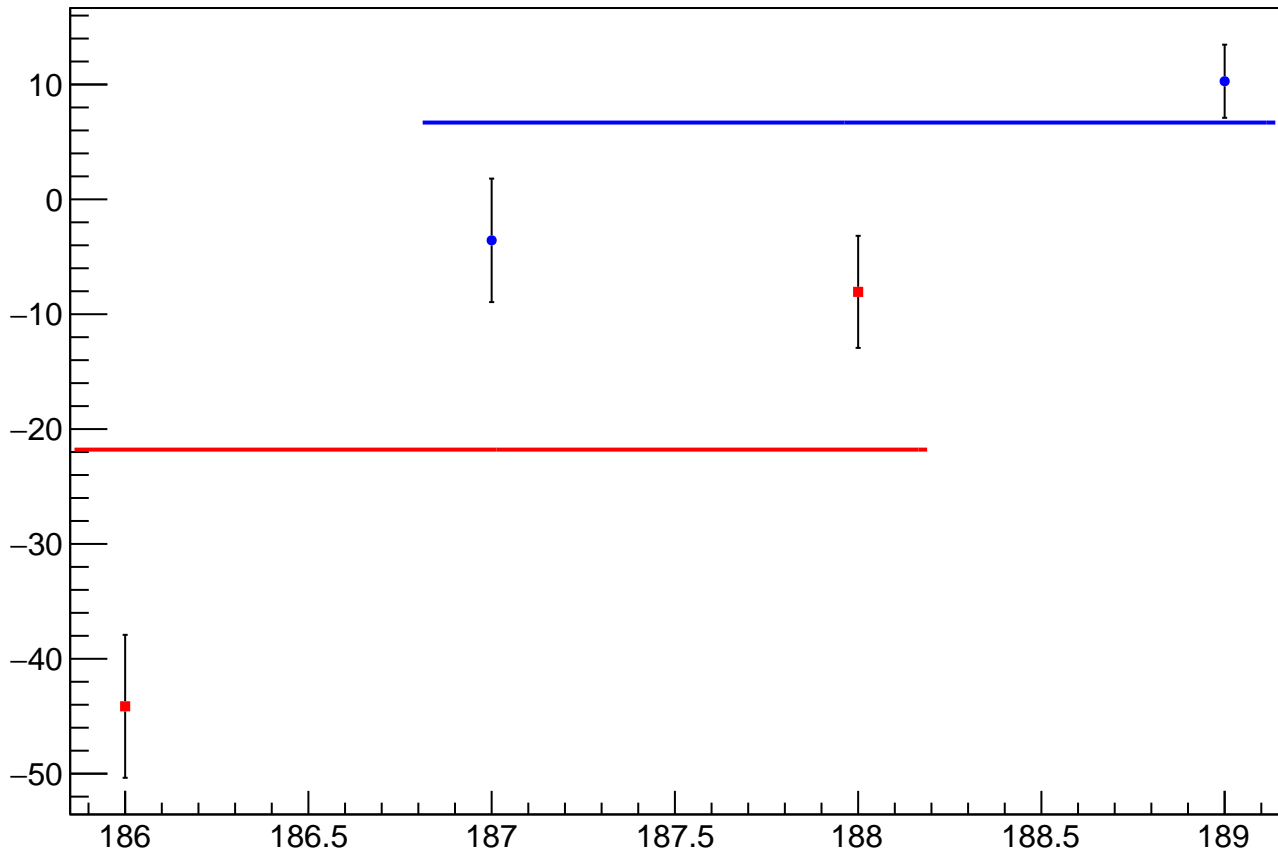
Right: 16.004+/-1.646  $\chi^2$ /NDF: 200.9/3

In: 3.694+/-2.180  $\chi^2$ /NDF:15.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 16.004+/-1.646  $\chi^2$ /NDF: 200.9/3

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.686+/-2.739  $\chi^2$ /NDF: 4.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -21.788+/-3.839  $\chi^2$ /NDF: 20.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

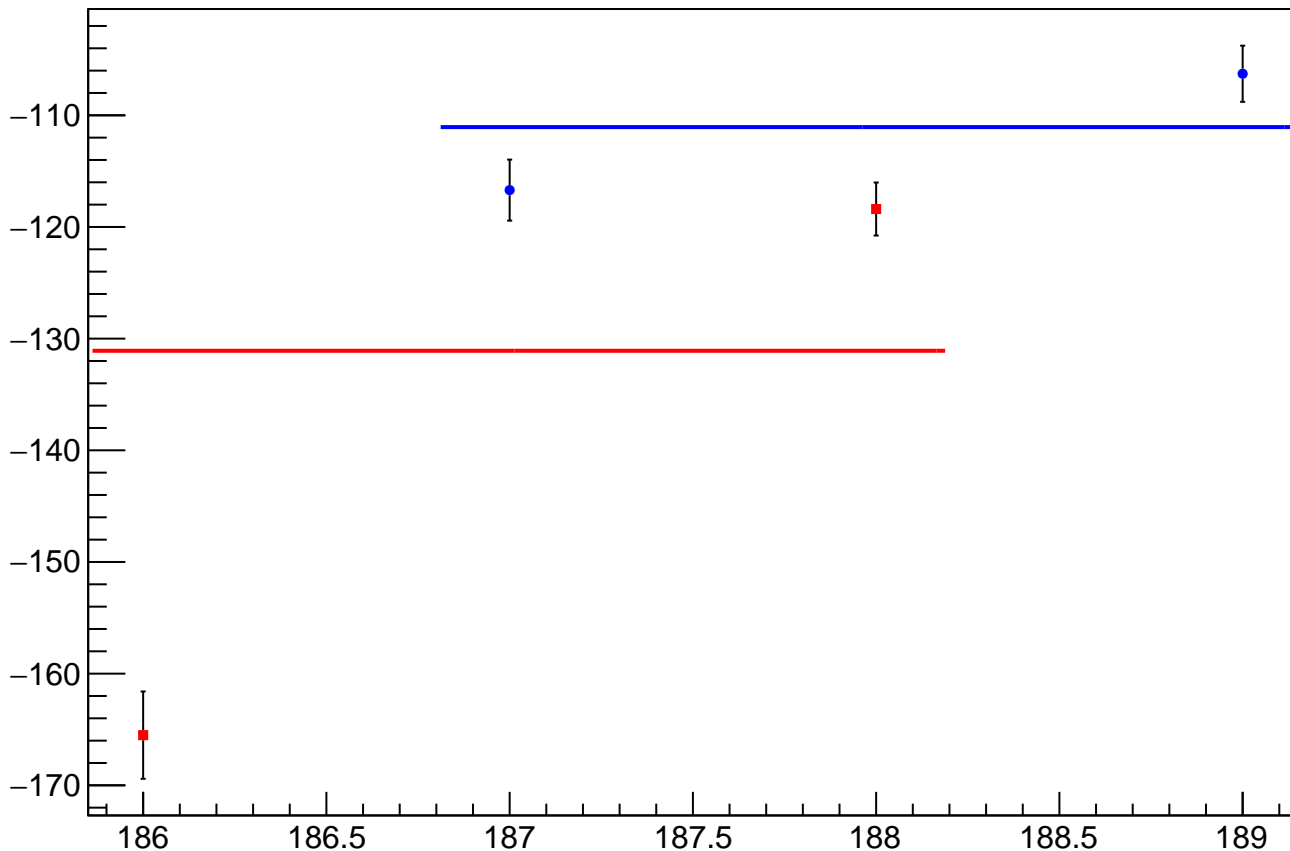
Right: -2.919+/-2.230  $\chi^2$ /NDF: 62.2/3

In: 6.686+/-2.739  $\chi^2$ /NDF:4.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.919+/-2.230  $\chi^2$ /NDF: 62.2/3

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -111.057+/-1.850  $\chi^2$ /NDF: 7.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -131.087+/-2.029  $\chi^2$ /NDF: 106.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

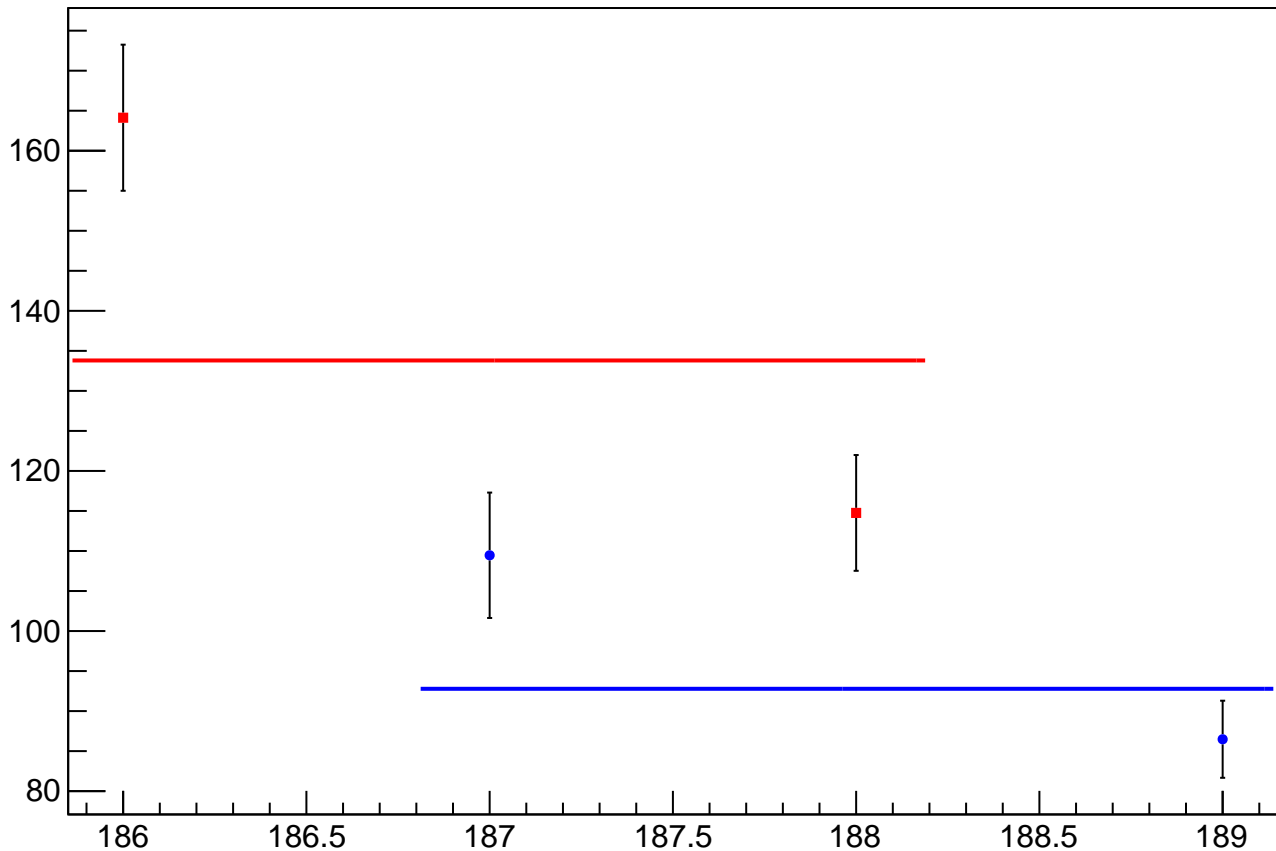
Right: -120.149+/-1.367  $\chi^2$ /NDF: 167.2/3

In: -111.057+/-1.850  $\chi^2$ /NDF:7.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -120.149+/-1.367  $\chi^2$ /NDF: 167.2/3

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 92.786+/-4.102  $\chi^2$ /NDF: 6.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 133.801+/-5.668  $\chi^2$ /NDF: 18.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

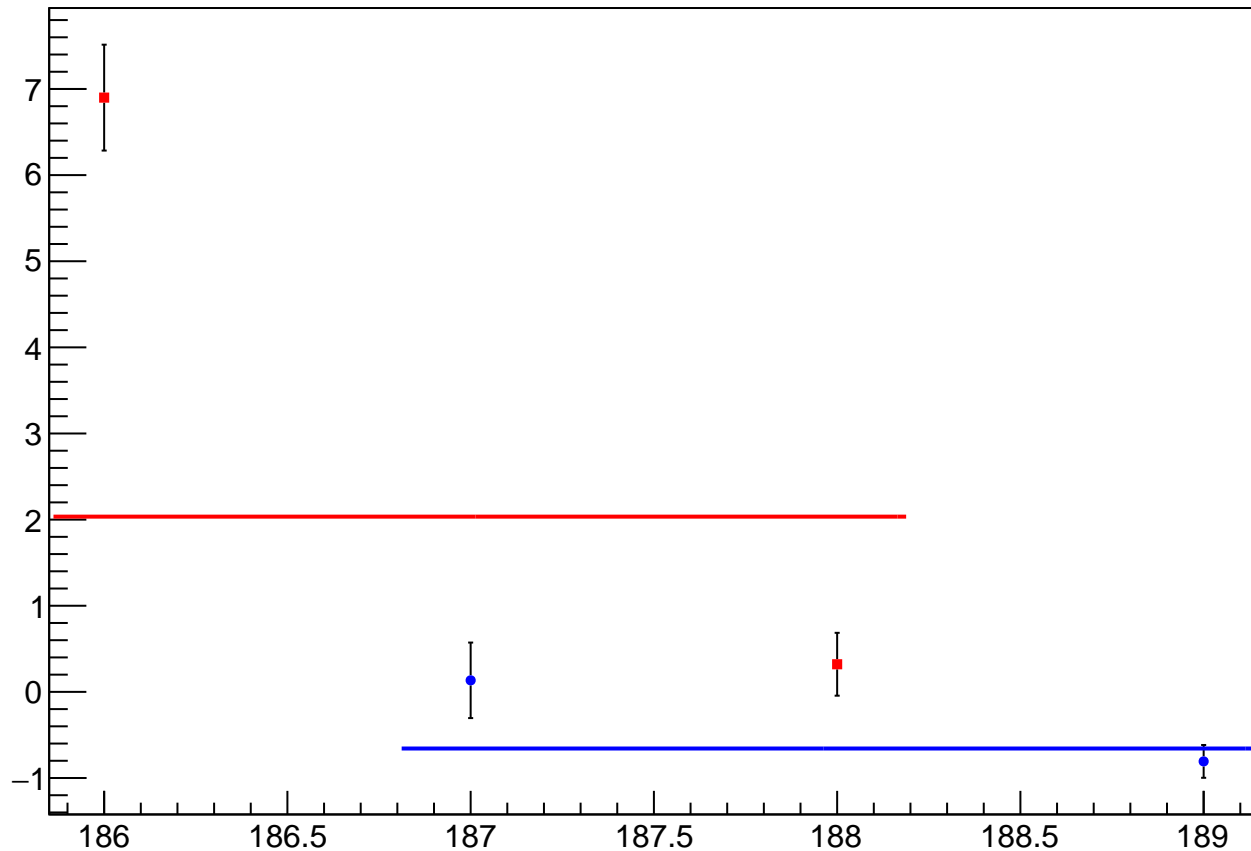
Right: 106.883+/-3.323  $\chi^2$ /NDF: 58.6/3

In: 92.786+/-4.102  $\chi^2$ /NDF:6.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 106.883+/-3.323  $\chi^2$ /NDF: 58.6/3

# reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.658 \pm 0.175$   $\chi^2/\text{NDF}: 3.9/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $2.035 \pm 0.314$   $\chi^2/\text{NDF}: 84.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

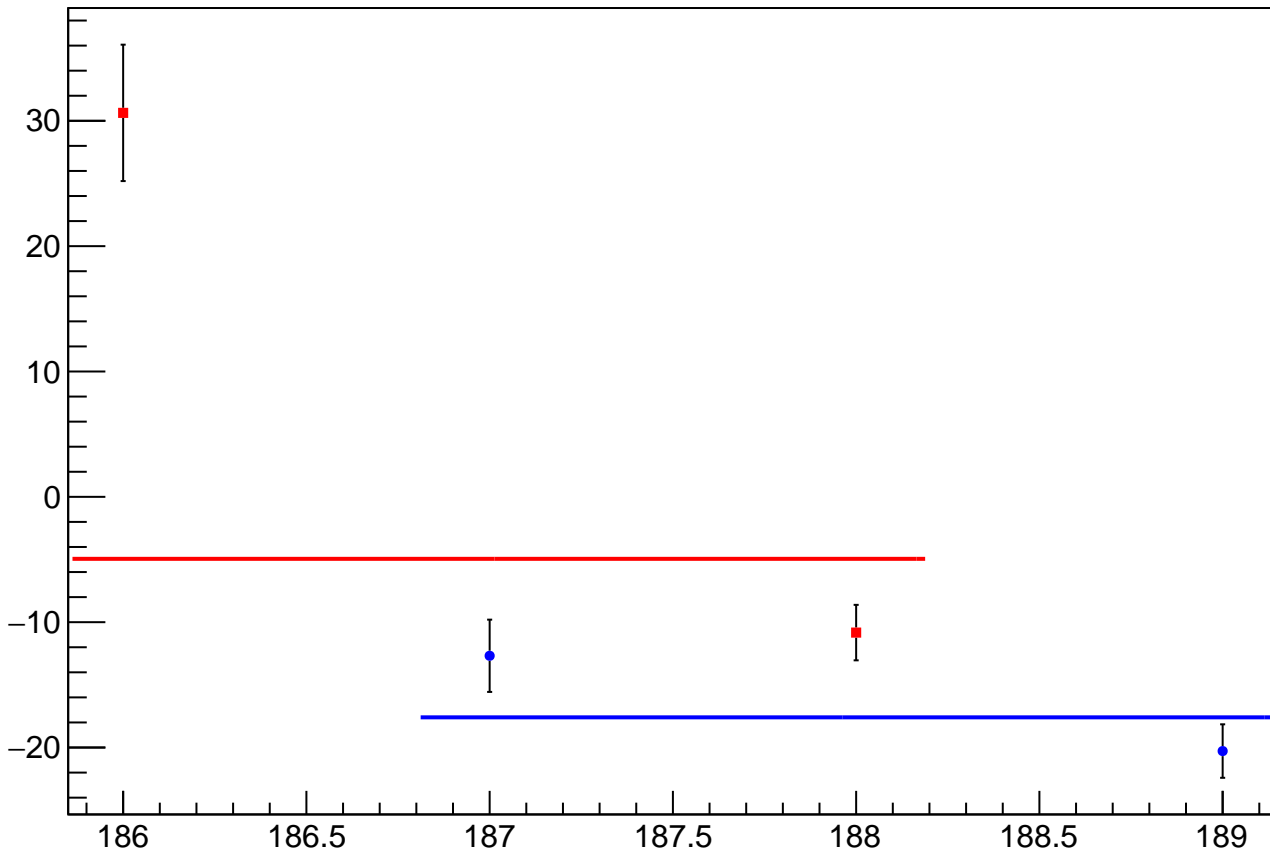
Right:  $-0.020 \pm 0.153$   $\chi^2/\text{NDF}: 144.8/3$

In:  $-0.658 \pm 0.175$   $\chi^2/\text{NDF}: 3.9/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.020 \pm 0.153$   $\chi^2/\text{NDF}: 144.8/3$

# reg\_asym\_sam\_48\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-17.592 \pm 1.715$   $\chi^2/\text{NDF}: 4.5/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-4.946 \pm 2.050$   $\chi^2/\text{NDF}: 49.8/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

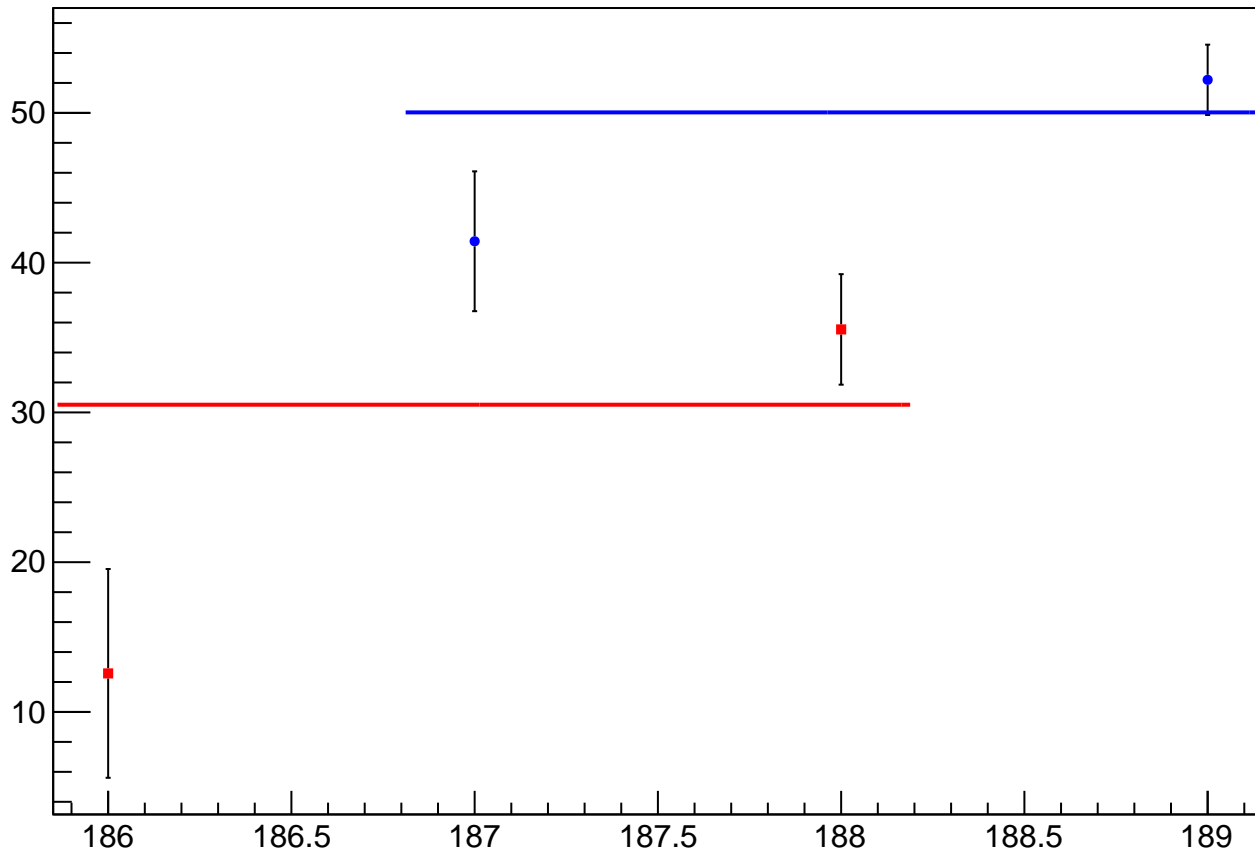
Right:  $-12.385 \pm 1.315$   $\chi^2/\text{NDF}: 76.7/3$

In:  $-17.592 \pm 1.715$   $\chi^2/\text{NDF}: 4.5/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-12.385 \pm 1.315$   $\chi^2/\text{NDF}: 76.7/3$

# reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 50.033+/-2.097  $\chi^2$ /NDF: 4.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 30.515+/-3.261  $\chi^2$ /NDF: 8.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 44.323+/-1.764  $\chi^2$ /NDF: 38.1/3

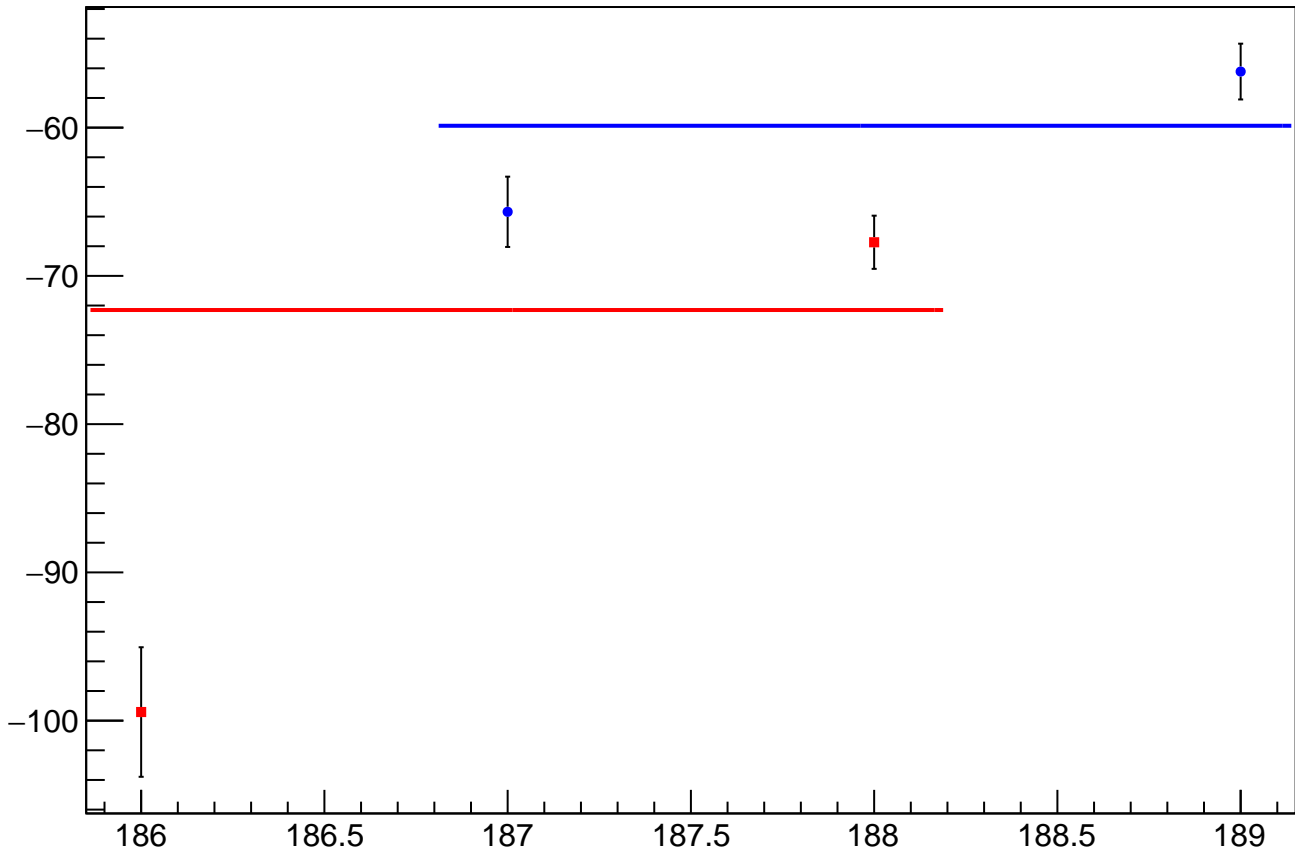
In: 50.033+/-2.097  $\chi^2$ /NDF:4.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 44.323+/-1.764  $\chi^2$ /NDF: 38.1/3



reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-59.874 \pm 1.474$   $\chi^2/\text{NDF}: 9.8/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-72.302 \pm 1.659$   $\chi^2/\text{NDF}: 45.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

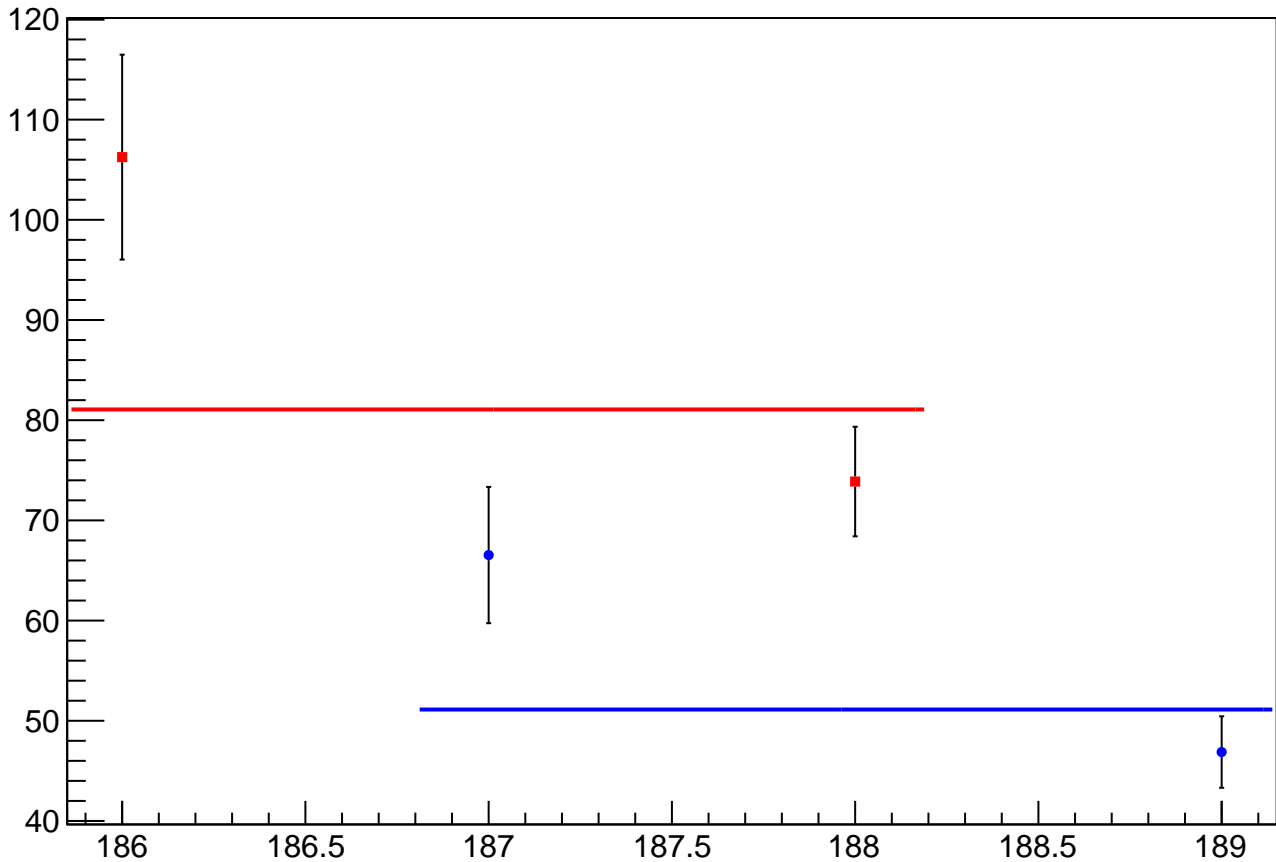
Right:  $-65.355 \pm 1.102$   $\chi^2/\text{NDF}: 86.1/3$

In:  $-59.874 \pm 1.474$   $\chi^2/\text{NDF}: 9.8/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-65.355 \pm 1.102$   $\chi^2/\text{NDF}: 86.1/3$

reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 51.122+/-3.160  $\chi^2$ /NDF: 6.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 81.074+/-4.821  $\chi^2$ /NDF: 7.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

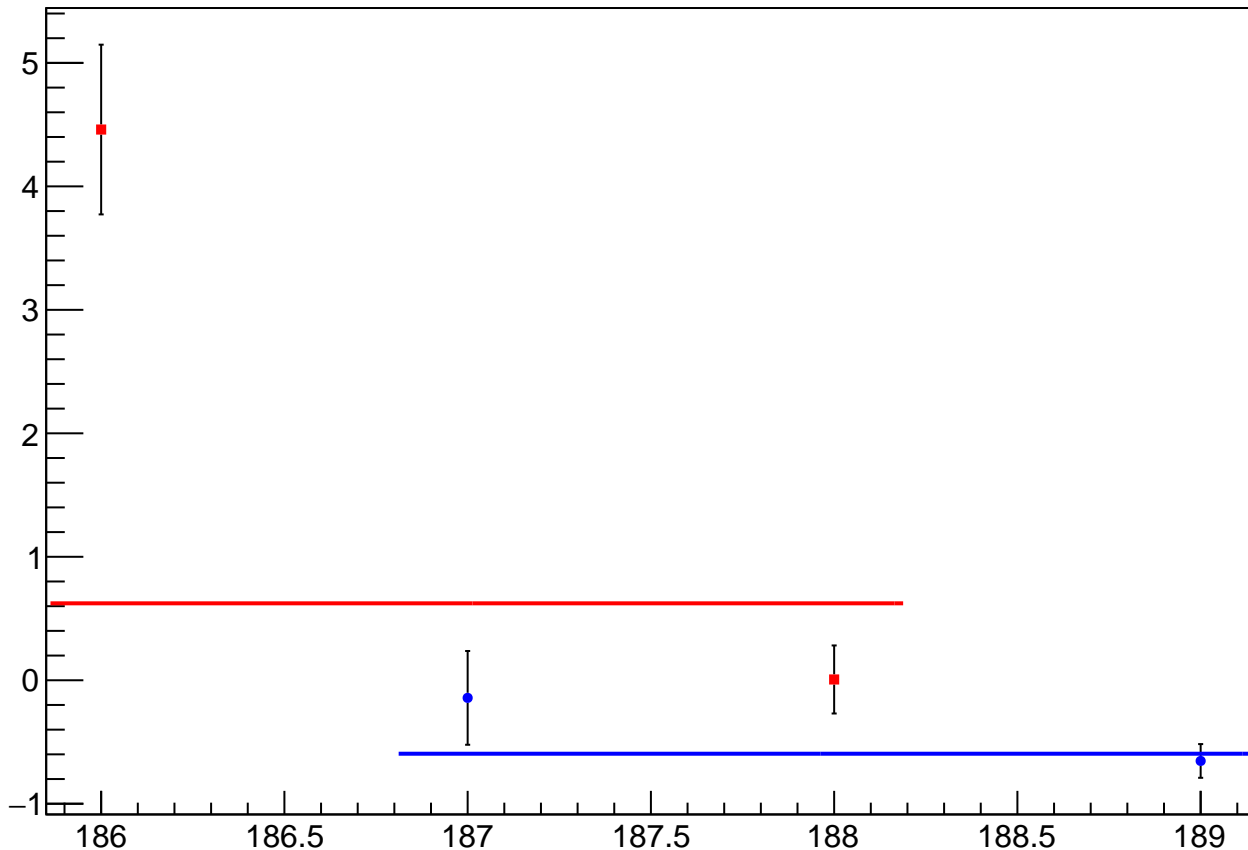
Right: 60.122+/-2.643  $\chi^2$ /NDF: 41.4/3

In: 51.122+/-3.160  $\chi^2$ /NDF:6.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 60.122+/-2.643  $\chi^2$ /NDF: 41.4/3

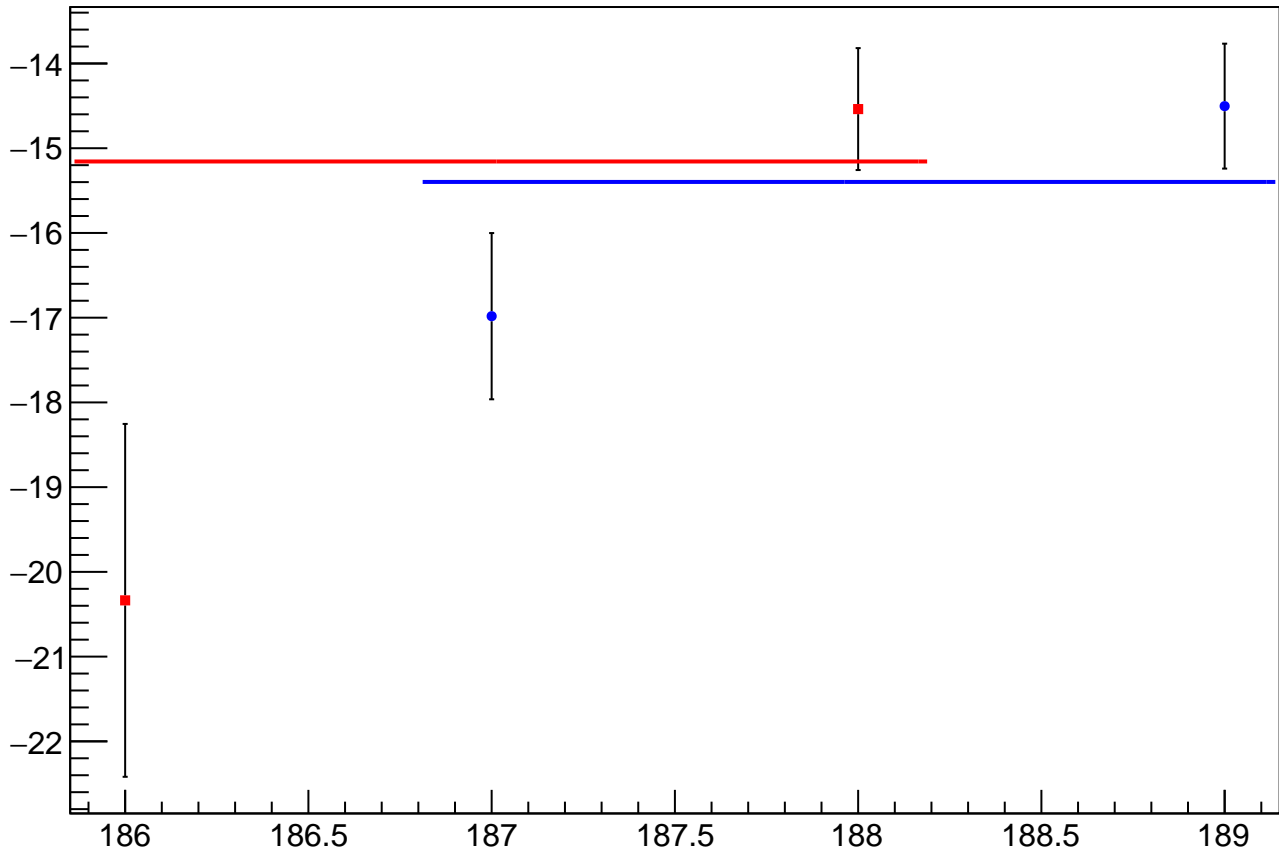
# reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.595+/-0.128  $\chi^2$ /NDF: 1.6/1  
 Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: 0.623+/-0.256  $\chi^2$ /NDF: 36.2/1  
 Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
 Right: -0.350+/-0.115  $\chi^2$ /NDF: 55.9/3  
 In: -0.595+/-0.128  $\chi^2$ /NDF:1.6/1  
 Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 All: -0.350+/-0.115  $\chi^2$ /NDF: 55.9/3

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-15.398 \pm 0.589$   $\chi^2/\text{NDF}: 4.1/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-15.156 \pm 0.680$   $\chi^2/\text{NDF}: 6.9/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

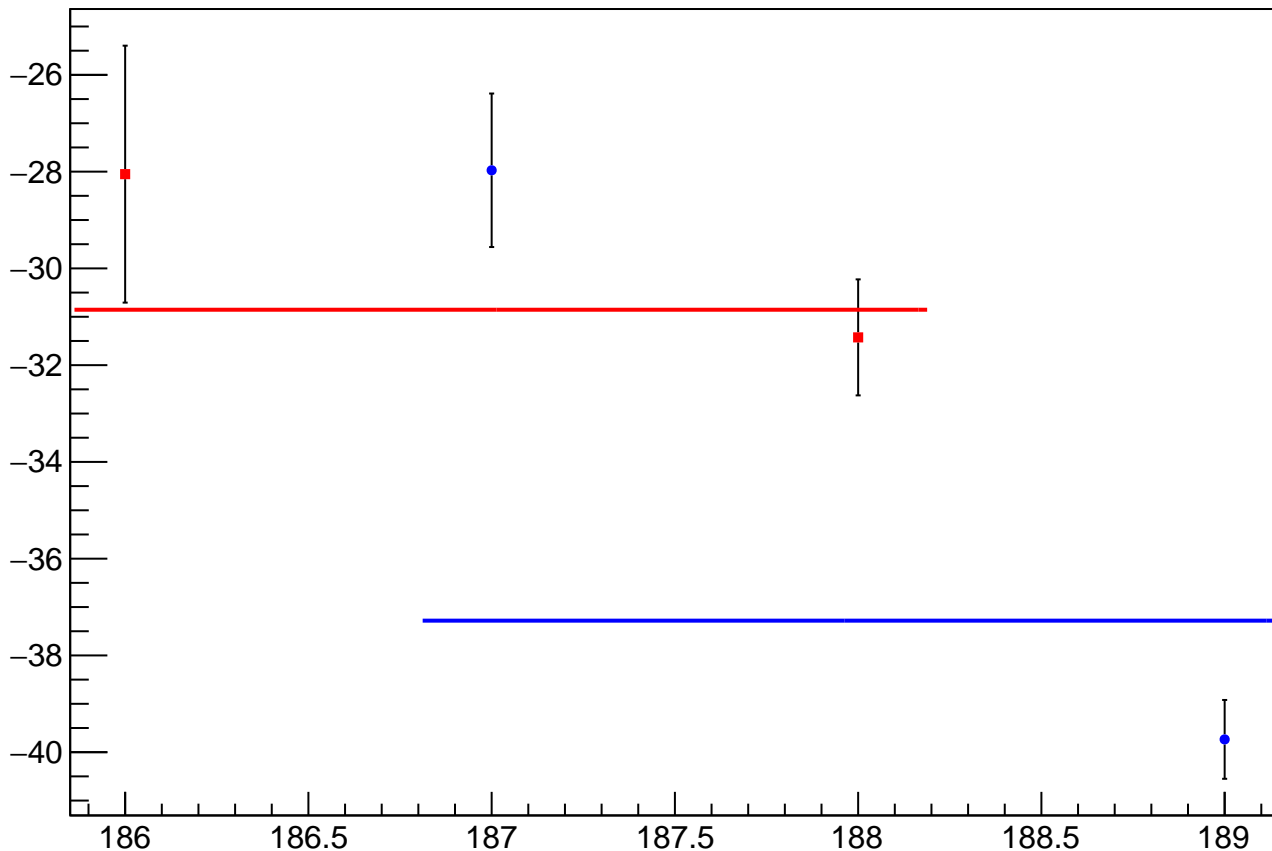
Right:  $-15.294 \pm 0.445$   $\chi^2/\text{NDF}: 11.1/3$

In:  $-15.398 \pm 0.589$   $\chi^2/\text{NDF}: 4.1/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-15.294 \pm 0.445$   $\chi^2/\text{NDF}: 11.1/3$

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -37.281+/-0.725  $\chi^2$ /NDF: 43.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -30.854+/-1.093  $\chi^2$ /NDF: 1.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

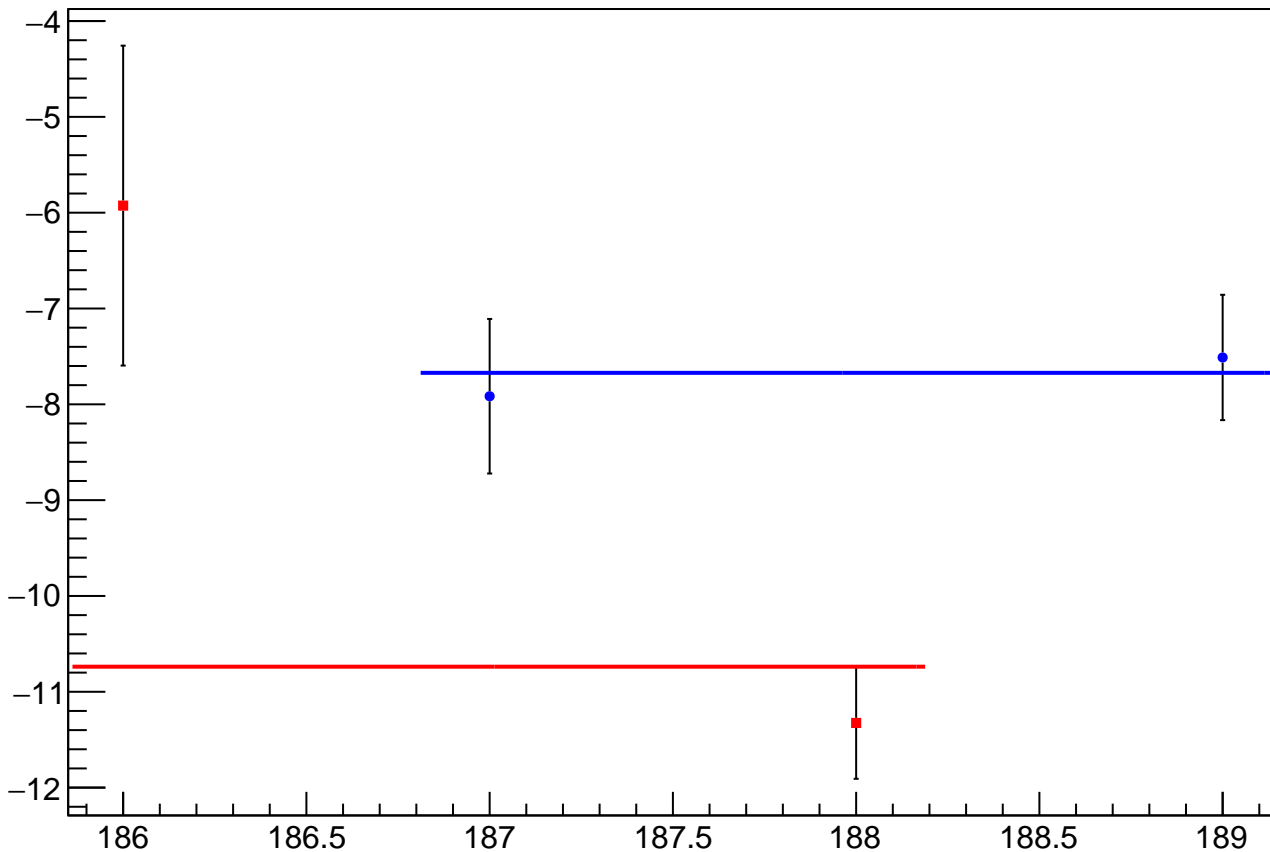
Right: -35.318+/-0.604  $\chi^2$ /NDF: 68.9/3

In: -37.281+/-0.725  $\chi^2$ /NDF:43.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -35.318+/-0.604  $\chi^2$ /NDF: 68.9/3

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -7.671+/-0.508  $\chi^2$ /NDF: 0.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -10.738+/-0.550  $\chi^2$ /NDF: 9.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

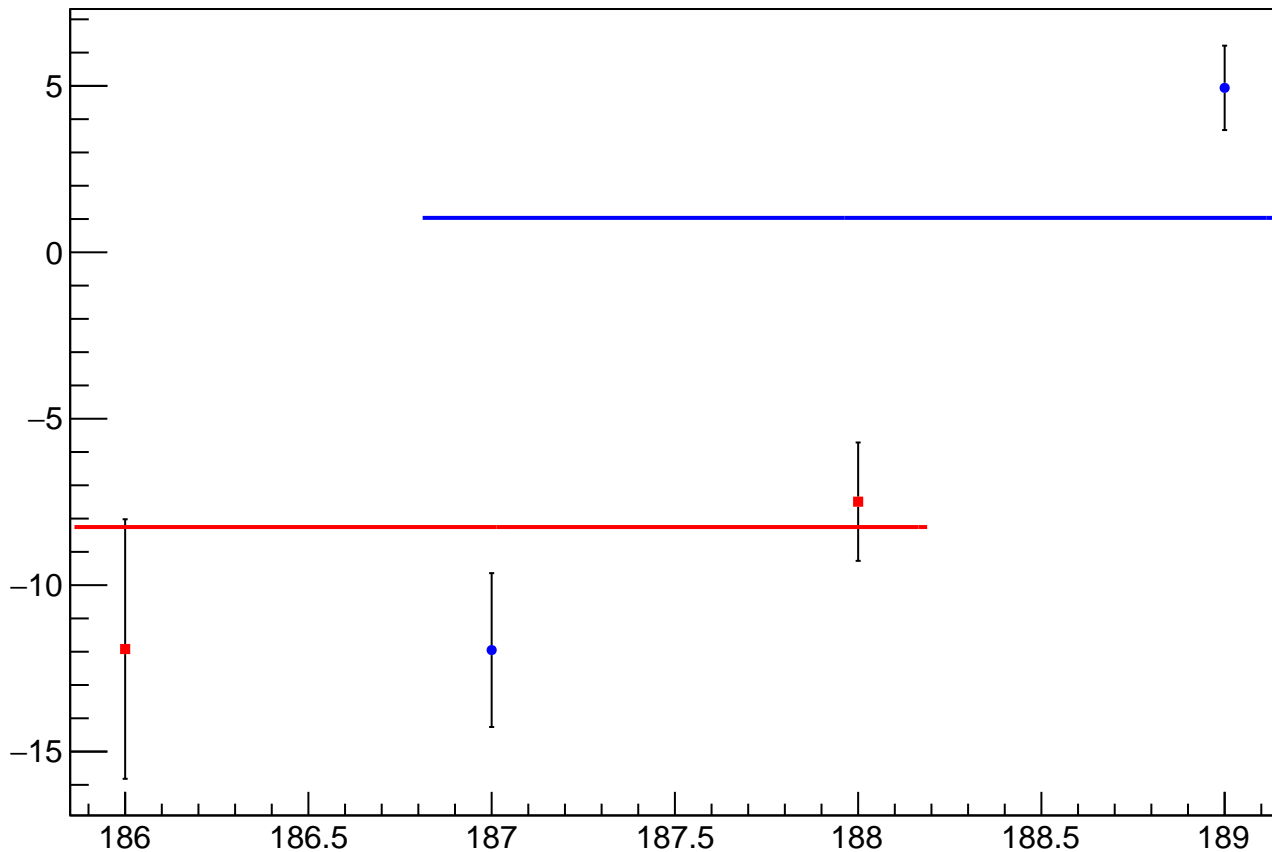
Right: -9.082+/-0.373  $\chi^2$ /NDF: 26.2/3

In: -7.671+/-0.508  $\chi^2$ /NDF:0.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -9.082+/-0.373  $\chi^2$ /NDF: 26.2/3

# reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 1.035+/-1.111  $\chi^2/\text{NDF}$ : 41.1/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -8.254+/-1.618  $\chi^2/\text{NDF}$ : 1.1/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

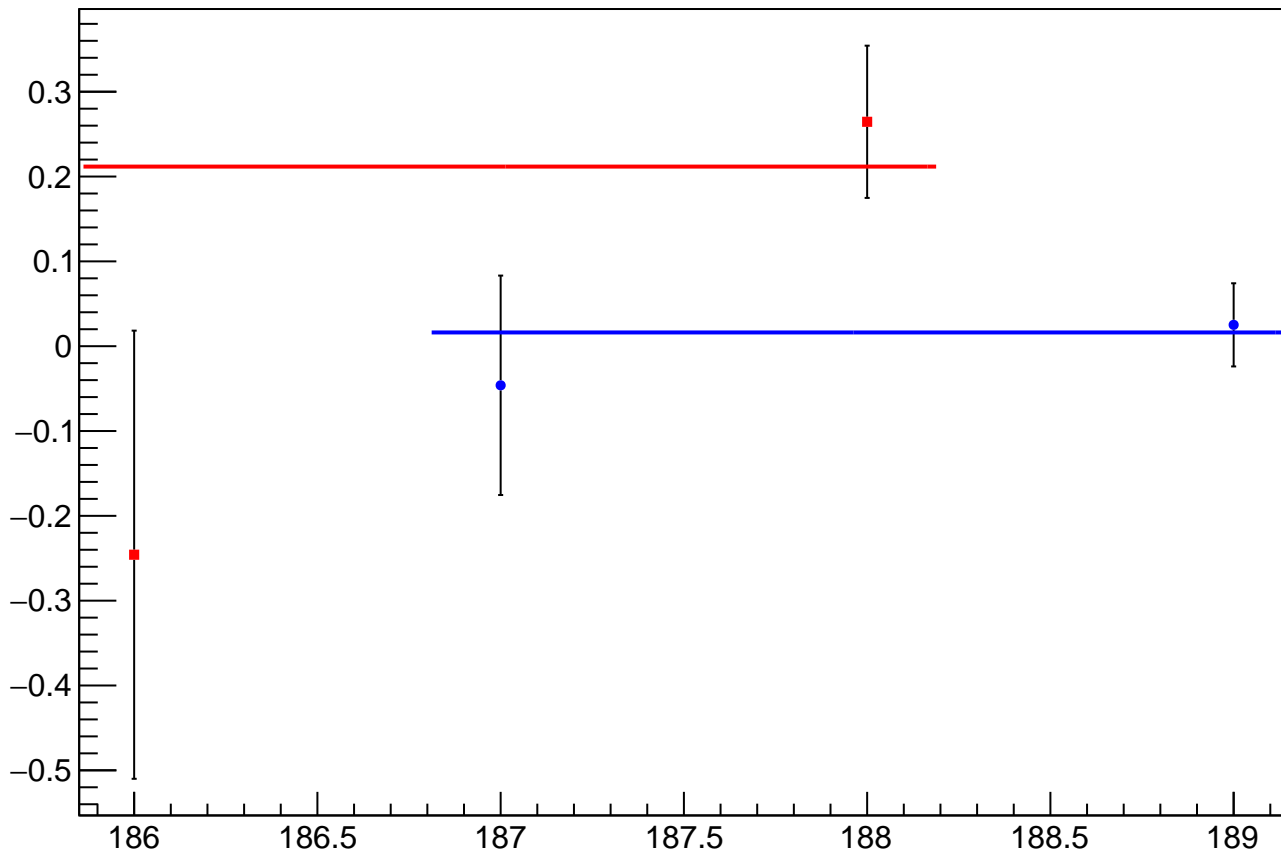
Right: -1.944+/-0.916  $\chi^2/\text{NDF}$ : 64.5/3

In: 1.035+/-1.111  $\chi^2/\text{NDF}$ : 41.1/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.944+/-0.916  $\chi^2/\text{NDF}$ : 64.5/3

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.016+/-0.046  $\chi^2$ /NDF: 0.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.212+/-0.085  $\chi^2$ /NDF: 3.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.060+/-0.040  $\chi^2$ /NDF: 7.7/3

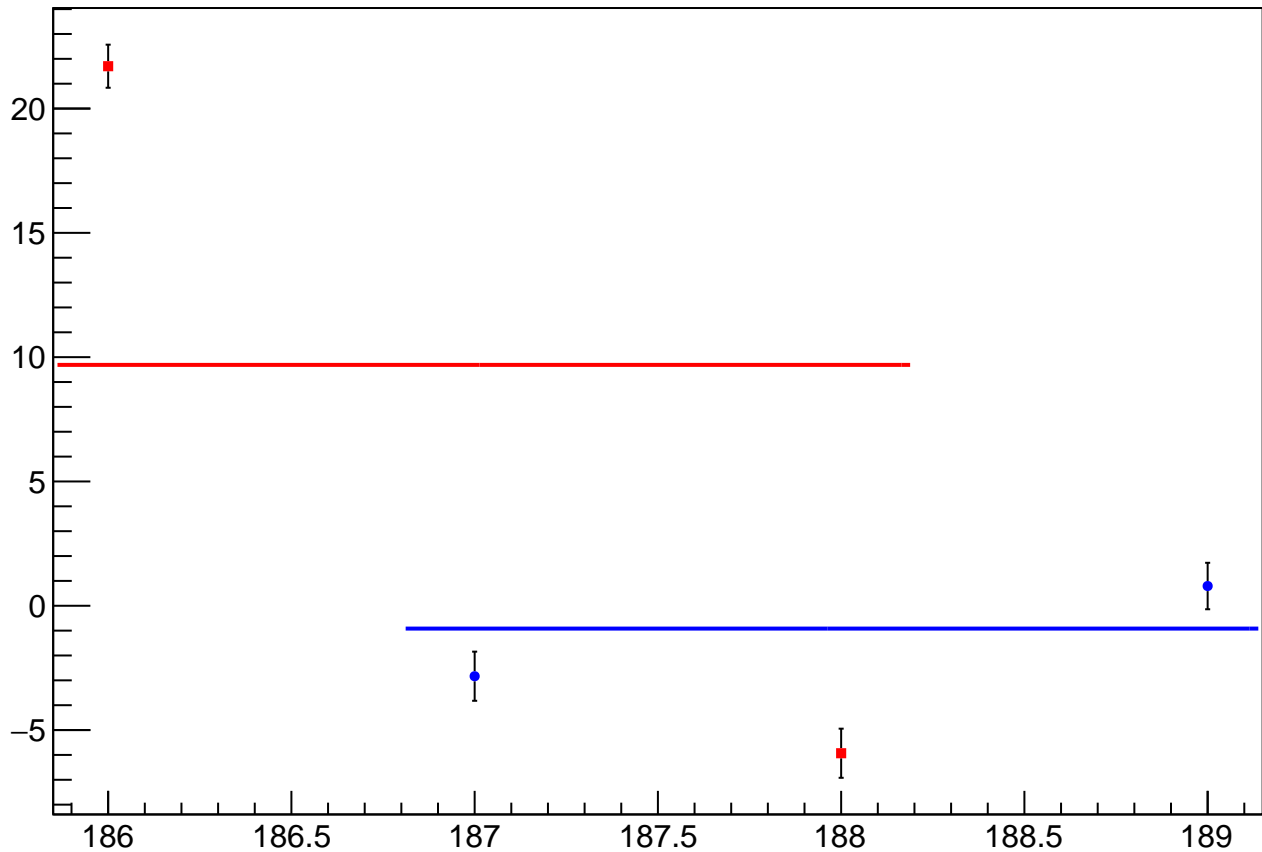
In: 0.016+/-0.046  $\chi^2$ /NDF:0.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.060+/-0.040  $\chi^2$ /NDF: 7.7/3



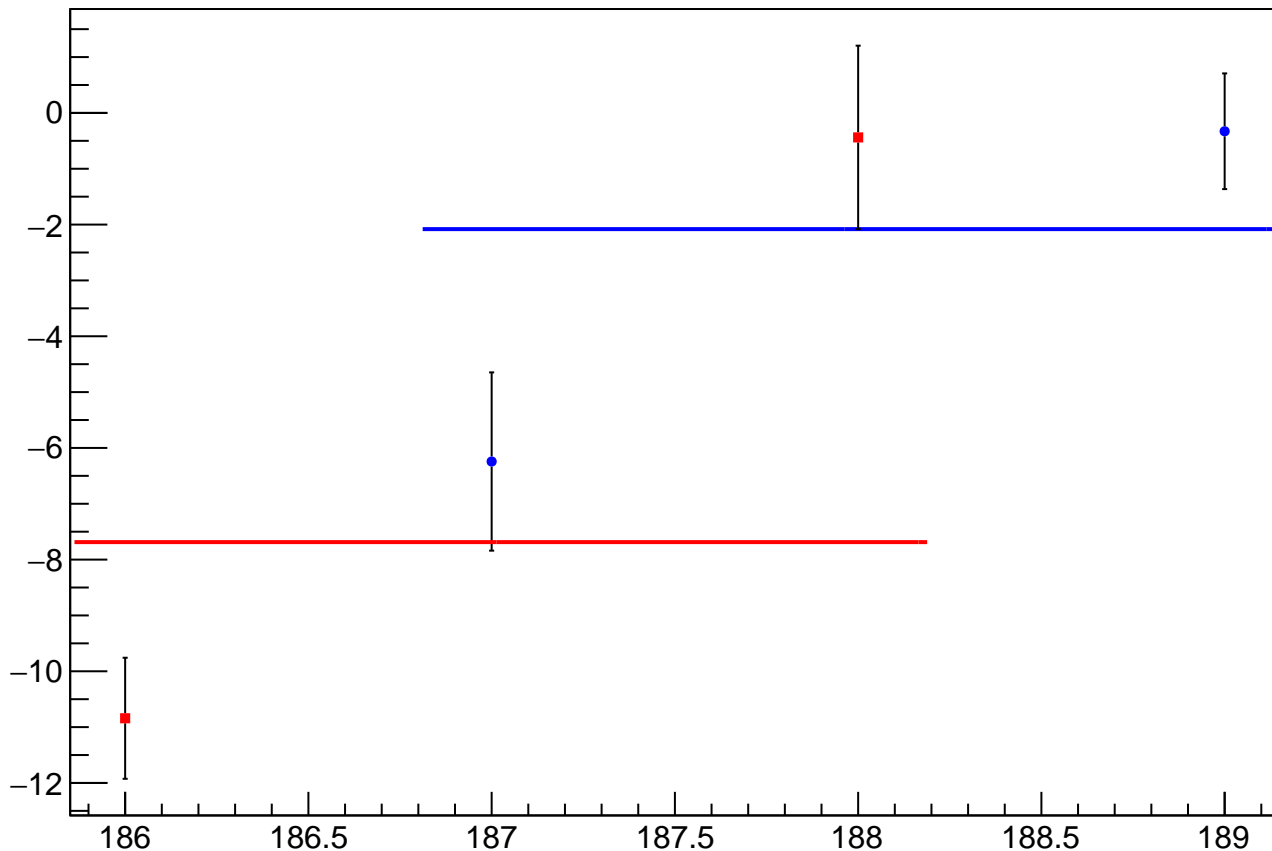
# reg\_asym\_sam\_15\_37\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-0.918 \pm 0.679$   $\chi^2/\text{NDF}: 7.1/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $9.689 \pm 0.651$   $\chi^2/\text{NDF}: 442.2/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $4.605 \pm 0.470$   $\chi^2/\text{NDF}: 576.4/3$   
 In:  $-0.918 \pm 0.679$   $\chi^2/\text{NDF}: 7.1/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $4.605 \pm 0.470$   $\chi^2/\text{NDF}: 576.4/3$

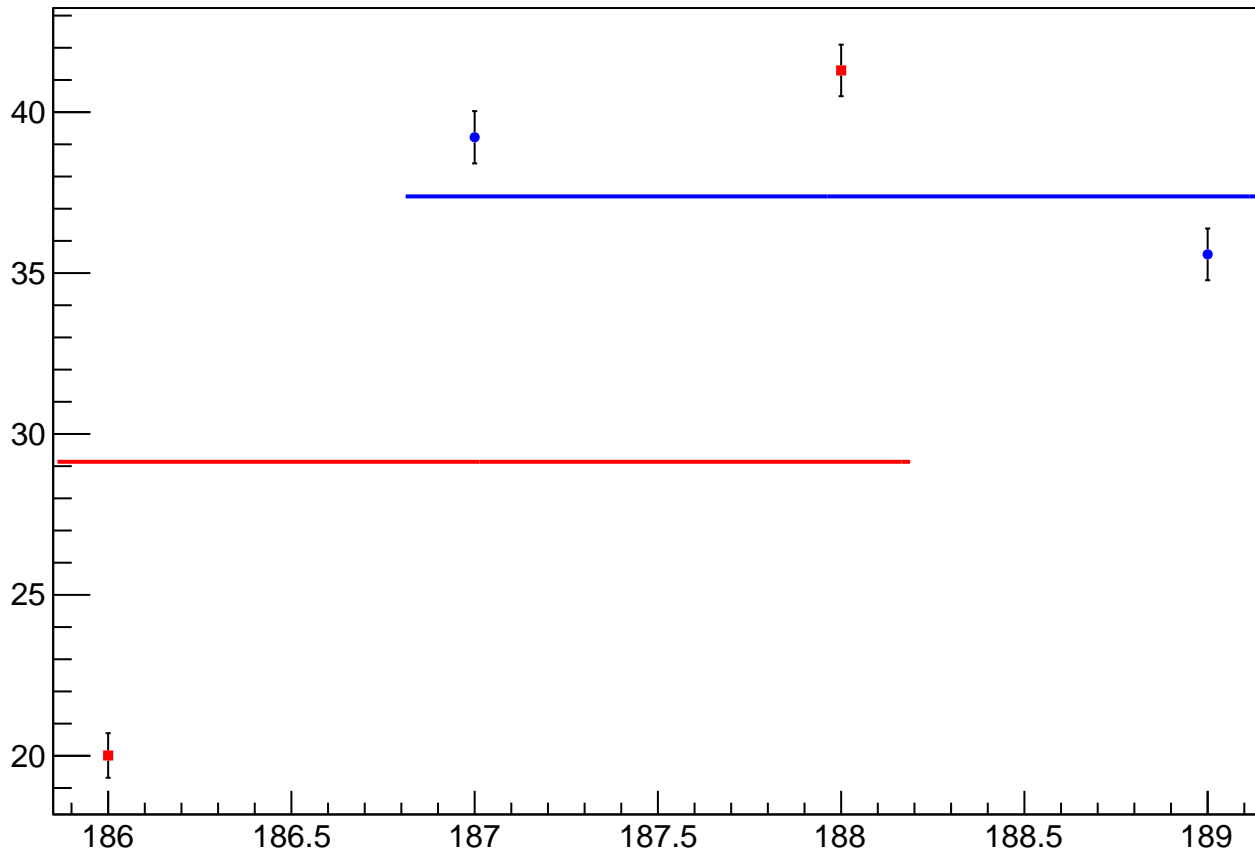
reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -2.081+/-0.869  $\chi^2$ /NDF: 9.7/1  
 Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: -7.687+/-0.905  $\chi^2$ /NDF: 27.9/1  
 Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
 Right: -4.771+/-0.627  $\chi^2$ /NDF: 57.6/3  
 In: -2.081+/-0.869  $\chi^2$ /NDF:9.7/1  
 Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 All: -4.771+/-0.627  $\chi^2$ /NDF: 57.6/3

# reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 37.382 $\pm$ 0.571  $\chi^2$ /NDF: 10.1/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 29.136 $\pm$ 0.524  $\chi^2$ /NDF: 403.9/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

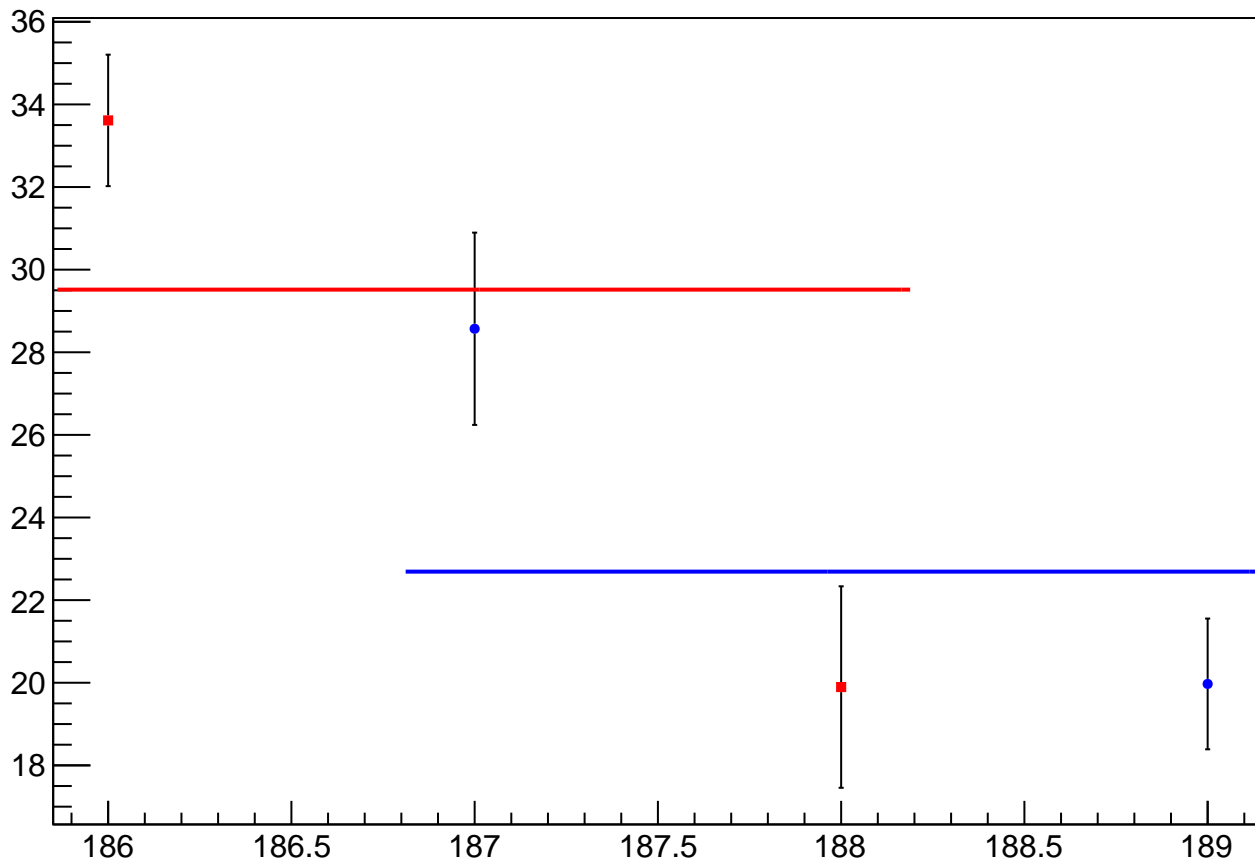
Right: 32.904 $\pm$ 0.386  $\chi^2$ /NDF: 527.1/3

In: 37.382 $\pm$ 0.571  $\chi^2$ /NDF:10.1/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 32.904 $\pm$ 0.386  $\chi^2$ /NDF: 527.1/3

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 22.690+/-1.309  $\chi^2$ /NDF: 9.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 29.517+/-1.333  $\chi^2$ /NDF: 22.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

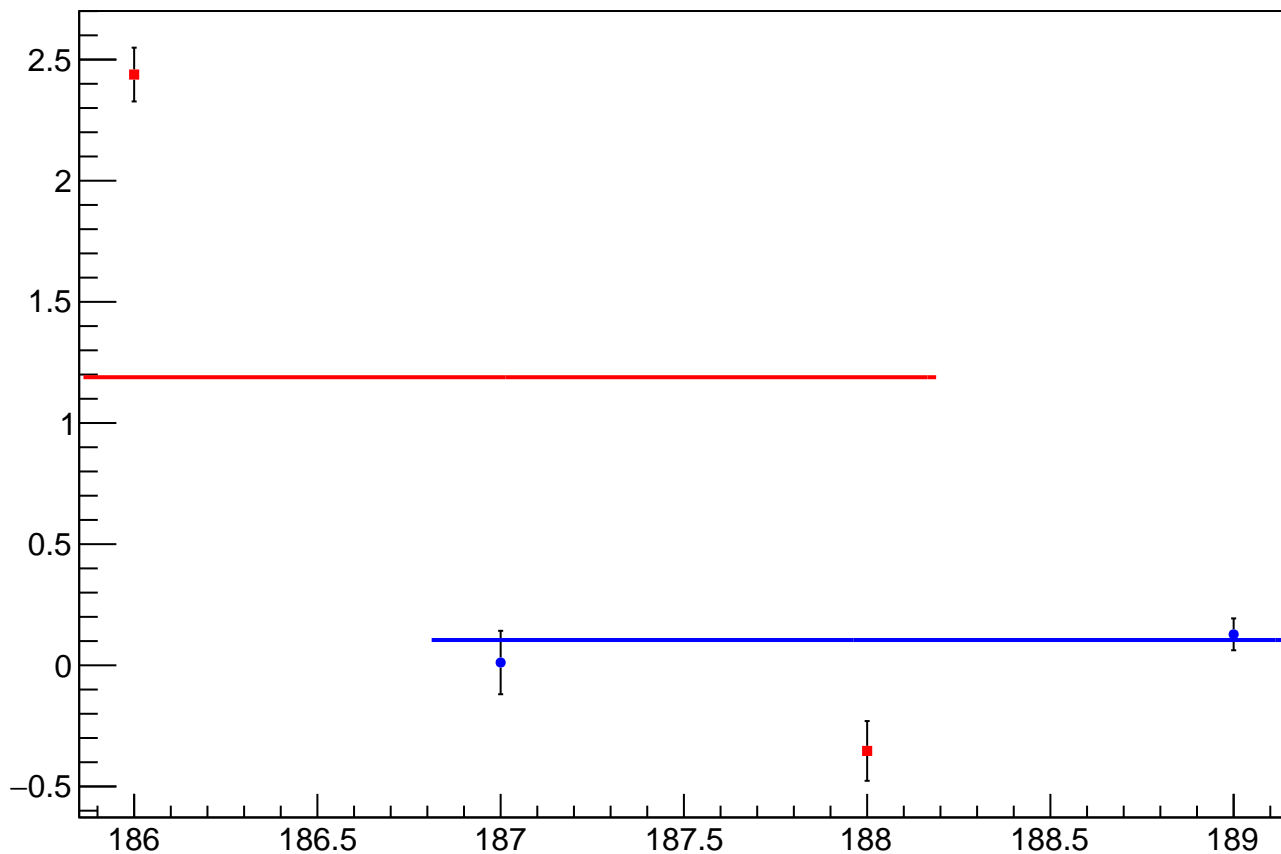
Right: 26.041+/-0.934  $\chi^2$ /NDF: 44.9/3

In: 22.690+/-1.309  $\chi^2$ /NDF:9.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 26.041+/-0.934  $\chi^2$ /NDF: 44.9/3

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.104+/-0.059  $\chi^2$ /NDF: 0.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.189+/-0.082  $\chi^2$ /NDF: 283.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

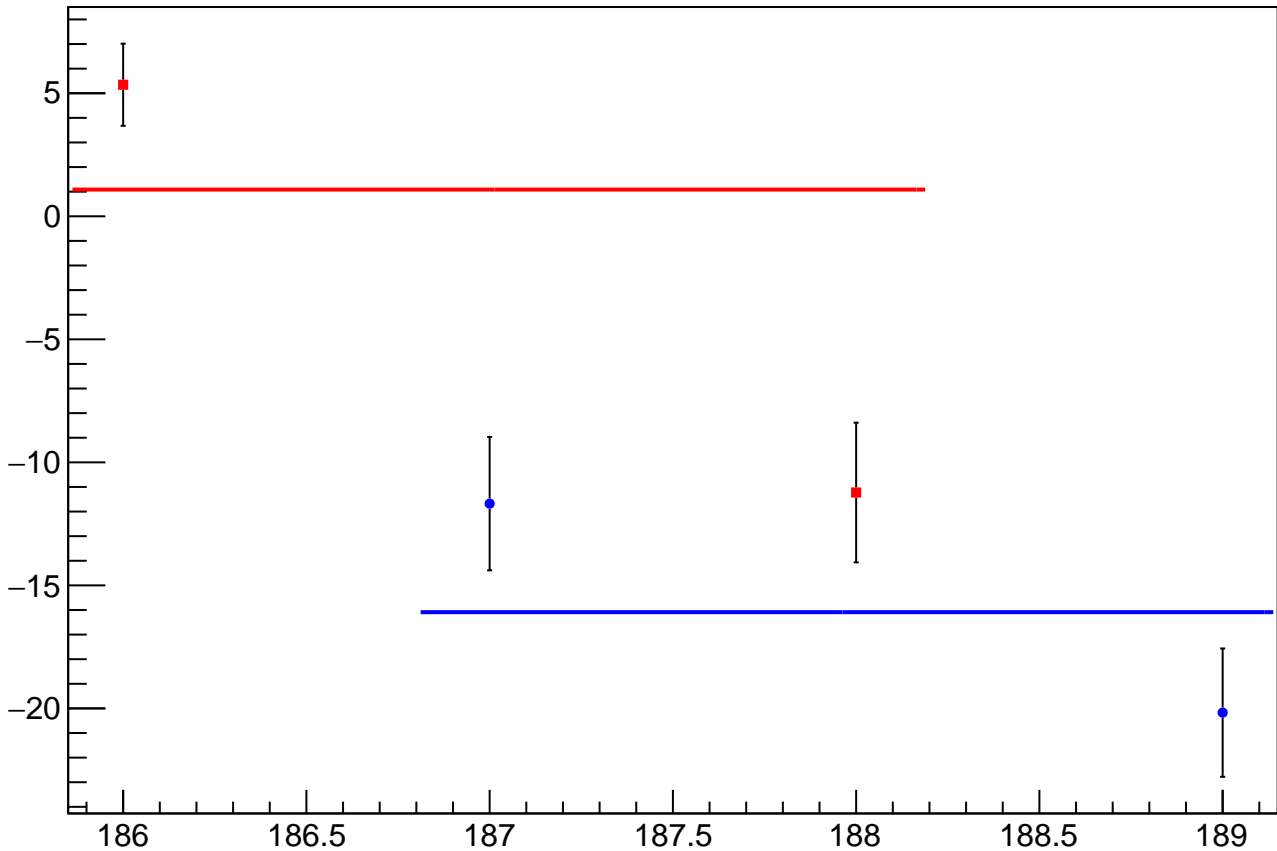
Right: 0.469+/-0.048  $\chi^2$ /NDF: 398.7/3

In: 0.104+/-0.059  $\chi^2$ /NDF:0.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.469+/-0.048  $\chi^2$ /NDF: 398.7/3

# reg\_asym\_sam\_24\_68\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -16.089+/-1.879  $\chi^2$ /NDF: 5.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.086+/-1.439  $\chi^2$ /NDF: 25.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

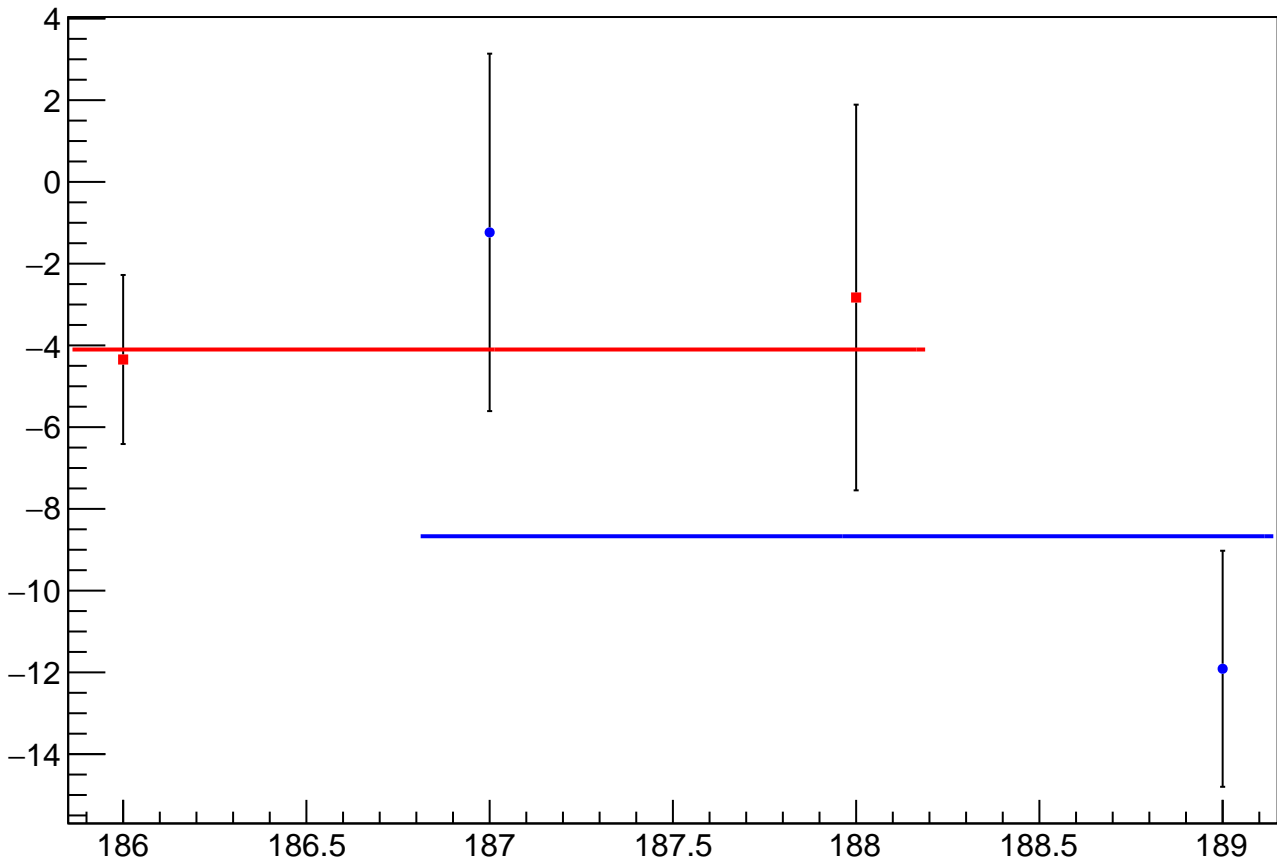
Right: -5.260+/-1.142  $\chi^2$ /NDF: 83.1/3

In: -16.089+/-1.879  $\chi^2$ /NDF:5.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -5.260+/-1.142  $\chi^2$ /NDF: 83.1/3

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -8.669+/-2.410  $\chi^2$ /NDF: 4.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -4.101+/-1.894  $\chi^2$ /NDF: 0.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

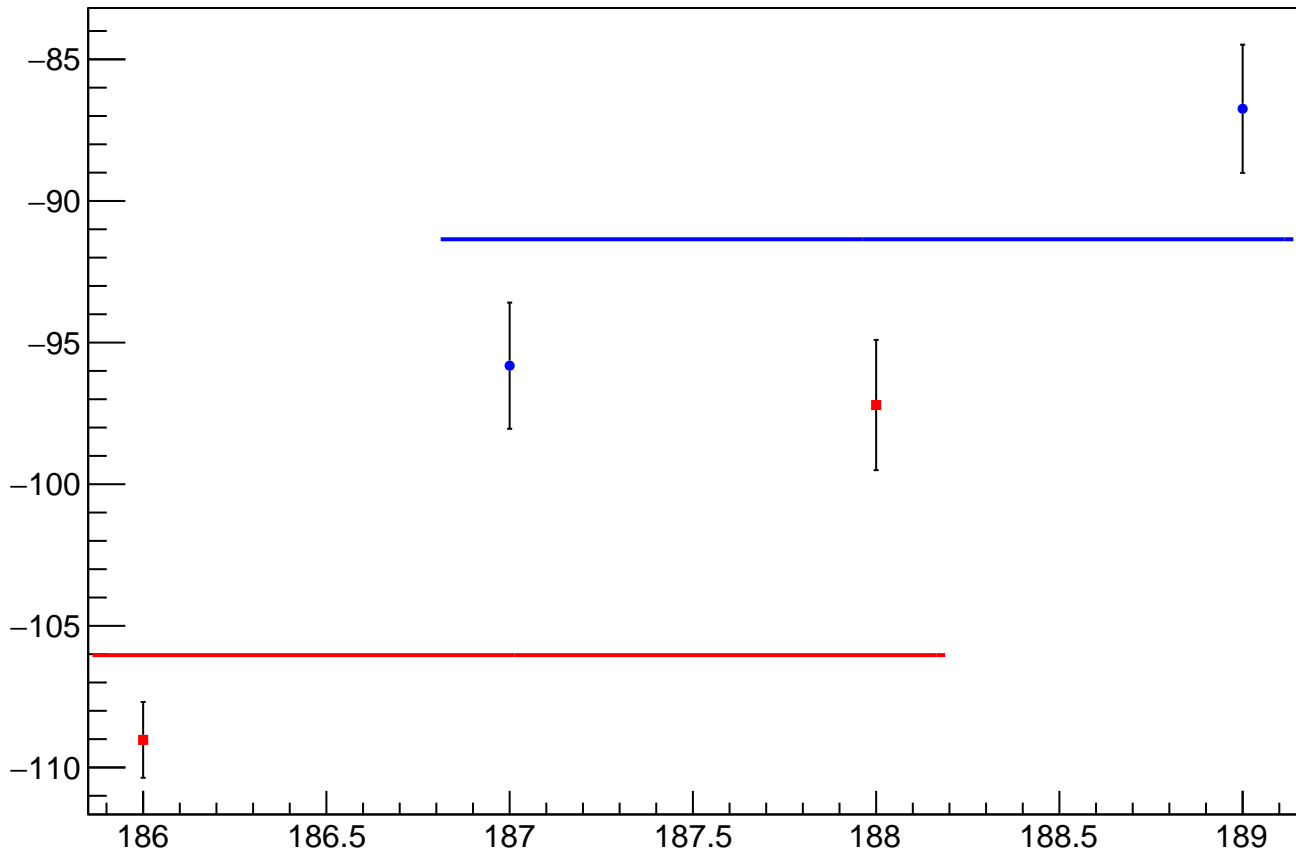
Right: -5.845+/-1.489  $\chi^2$ /NDF: 6.5/3

In: -8.669+/-2.410  $\chi^2$ /NDF:4.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -5.845+/-1.489  $\chi^2$ /NDF: 6.5/3

# reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-91.353 \pm 1.588$   $\chi^2/\text{NDF}: 8.2/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-106.032 \pm 1.157$   $\chi^2/\text{NDF}: 19.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-100.941 \pm 0.935$   $\chi^2/\text{NDF}: 83.7/3$

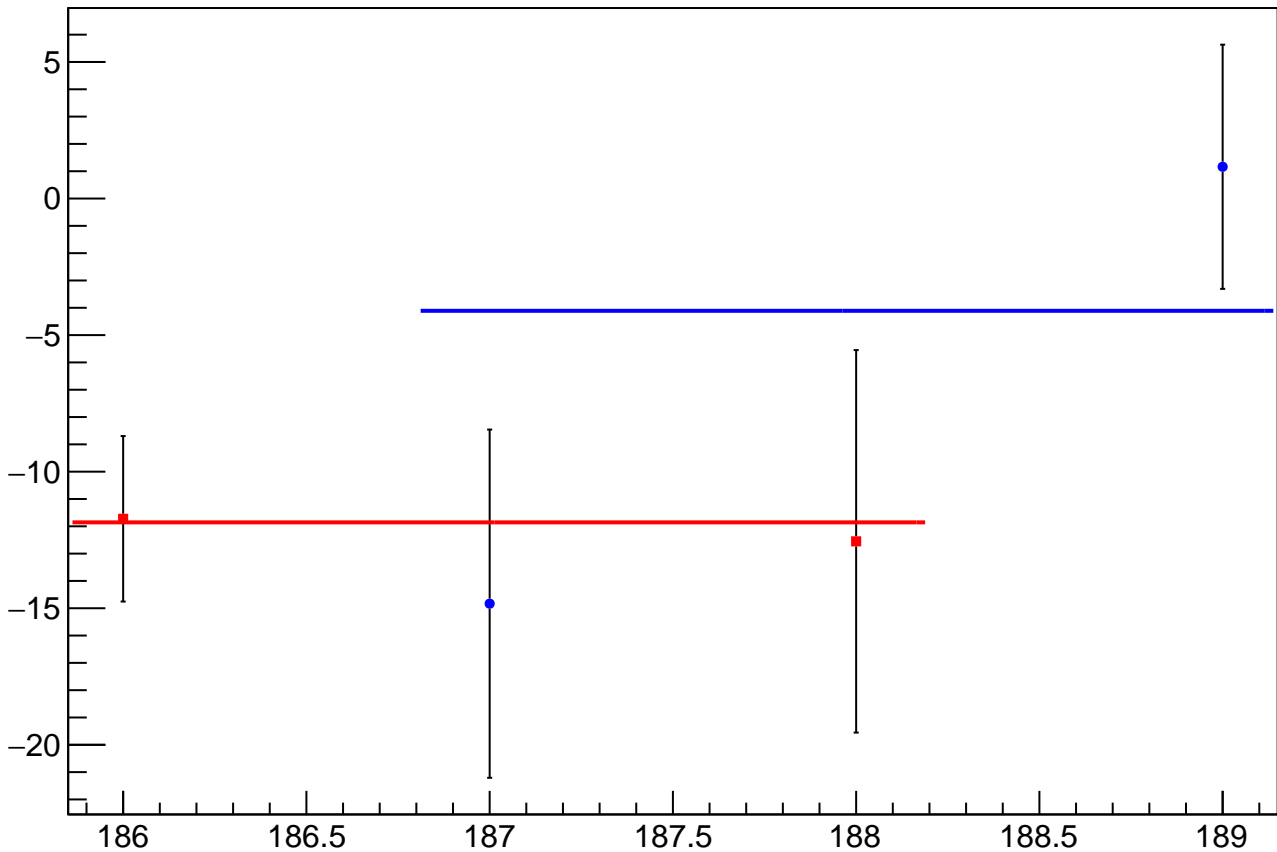
In:  $-91.353 \pm 1.588$   $\chi^2/\text{NDF}: 8.2/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-100.941 \pm 0.935$   $\chi^2/\text{NDF}: 83.7/3$



reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -4.110+/-3.660  $\chi^2$ /NDF: 4.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -11.856+/-2.780  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

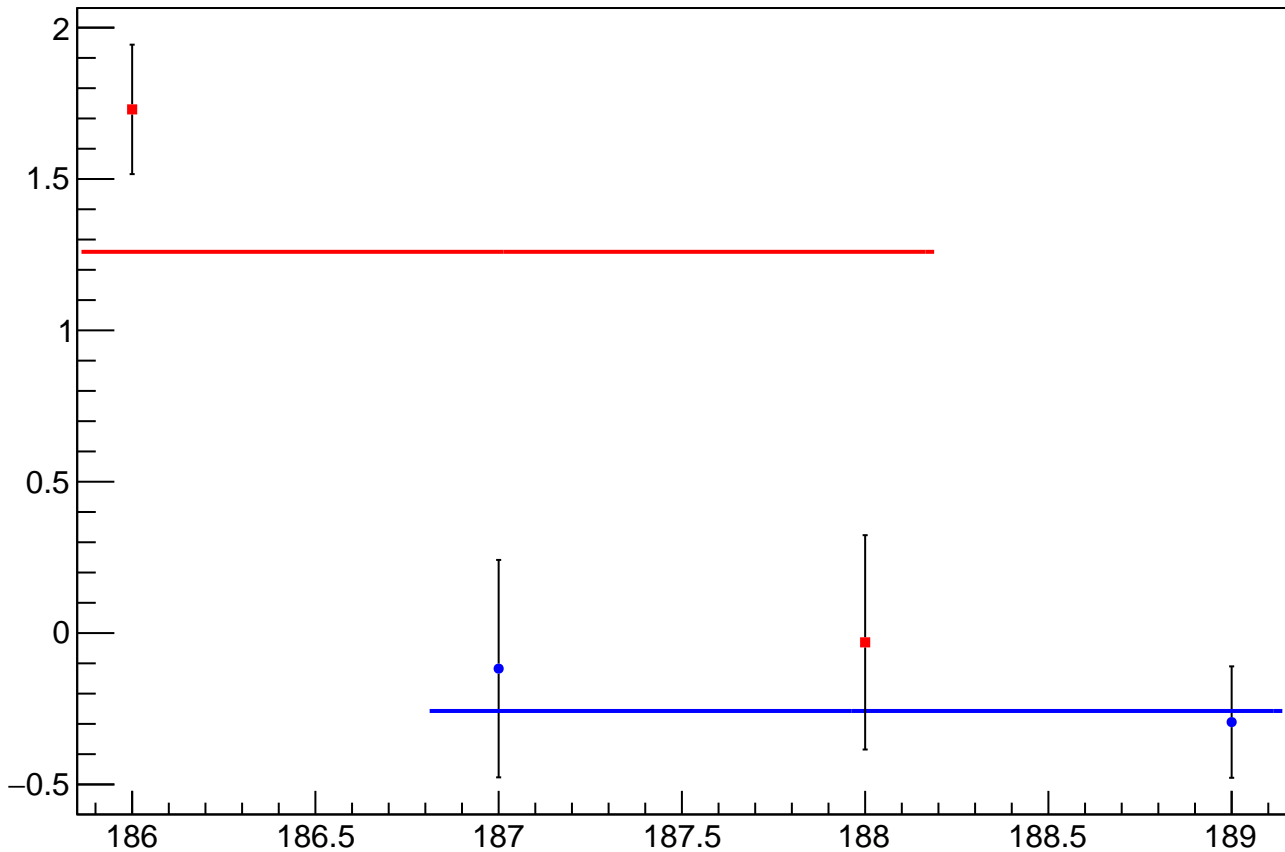
Right: -9.022+/-2.214  $\chi^2$ /NDF: 7.1/3

In: -4.110+/-3.660  $\chi^2$ /NDF:4.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -9.022+/-2.214  $\chi^2$ /NDF: 7.1/3

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.257 \pm 0.164$   $\chi^2/\text{NDF}: 0.2/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $1.259 \pm 0.183$   $\chi^2/\text{NDF}: 18.1/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

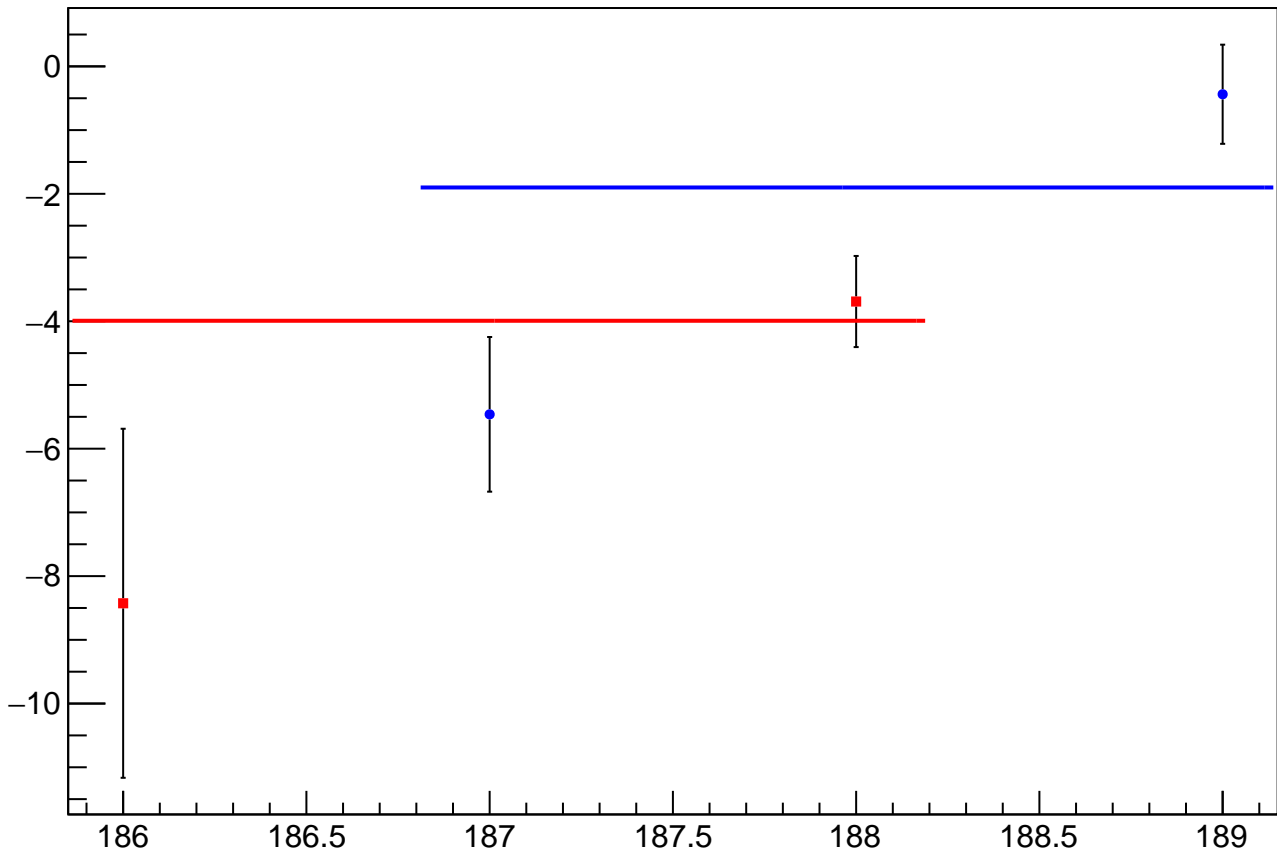
Right:  $0.417 \pm 0.122$   $\chi^2/\text{NDF}: 56.5/3$

In:  $-0.257 \pm 0.164$   $\chi^2/\text{NDF}: 0.2/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $0.417 \pm 0.122$   $\chi^2/\text{NDF}: 56.5/3$

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -1.900+/-0.655  $\chi^2$ /NDF: 12.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -3.993+/-0.692  $\chi^2$ /NDF: 2.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

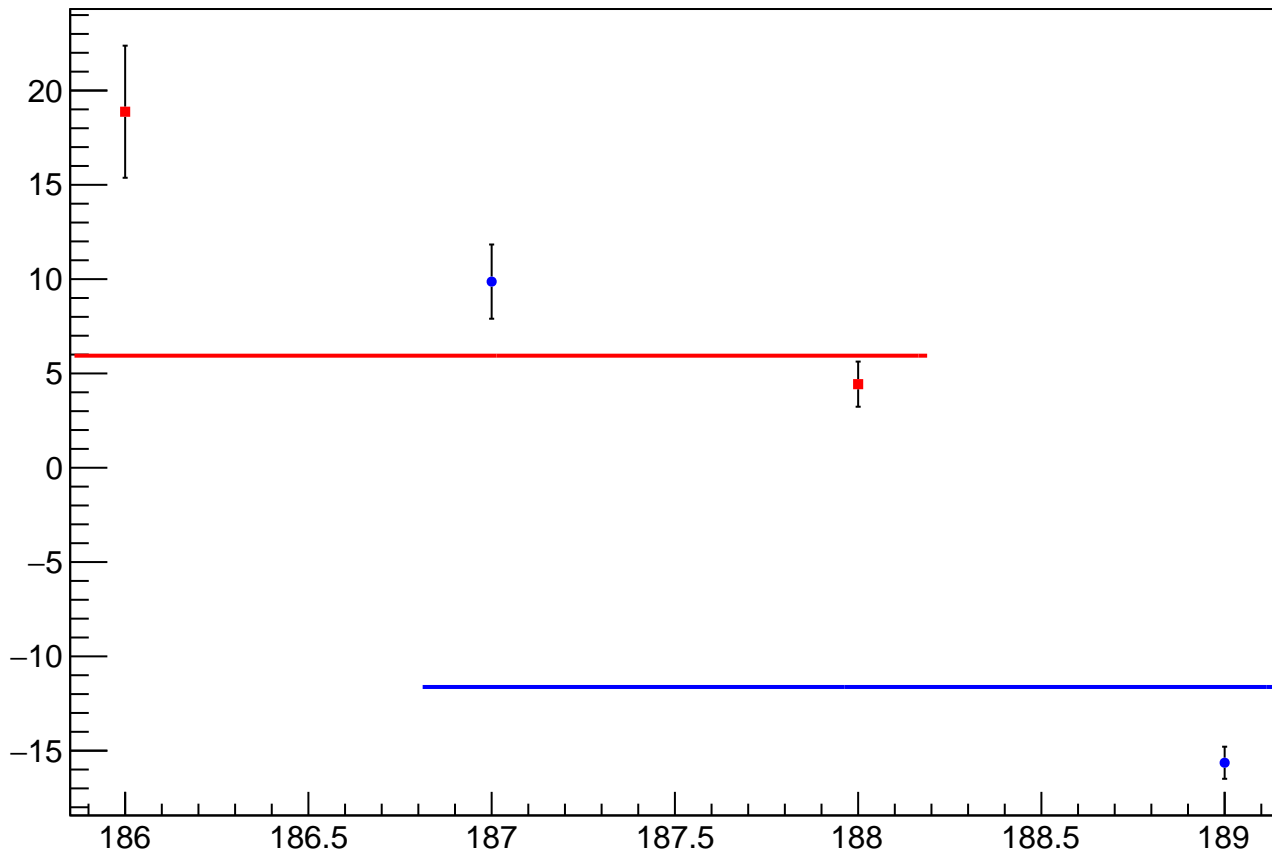
Right: -2.889+/-0.476  $\chi^2$ /NDF: 19.8/3

In: -1.900+/-0.655  $\chi^2$ /NDF:12.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.889+/-0.476  $\chi^2$ /NDF: 19.8/3

# reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-11.623 \pm 0.781$   $\chi^2/\text{NDF}: 141.5/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $5.942 \pm 1.132$   $\chi^2/\text{NDF}: 15.2/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

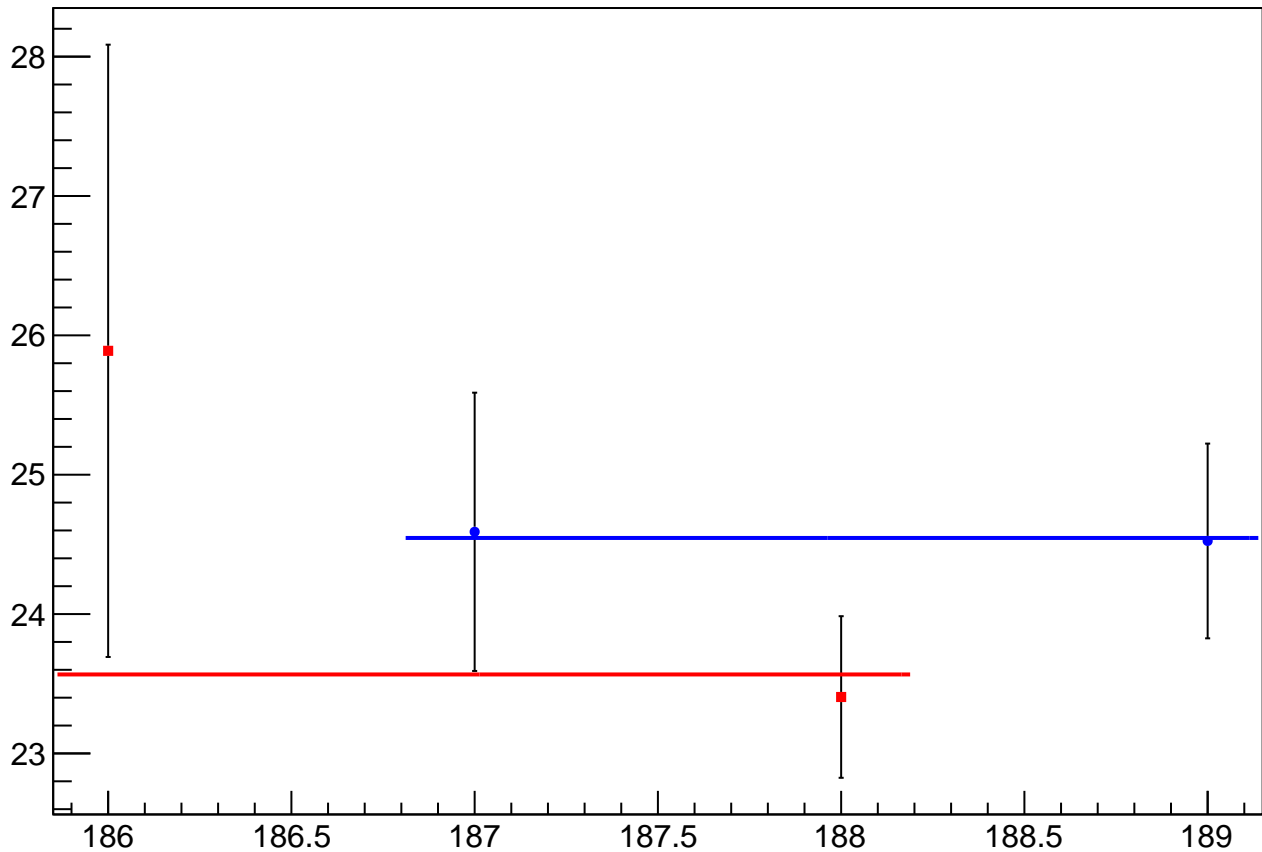
Right:  $-5.961 \pm 0.643$   $\chi^2/\text{NDF}: 319.8/3$

In:  $-11.623 \pm 0.781$   $\chi^2/\text{NDF}: 141.5/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.961 \pm 0.643$   $\chi^2/\text{NDF}: 319.8/3$

# reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 24.546 $\pm$ 0.572  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 23.567 $\pm$ 0.561  $\chi^2$ /NDF: 1.2/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

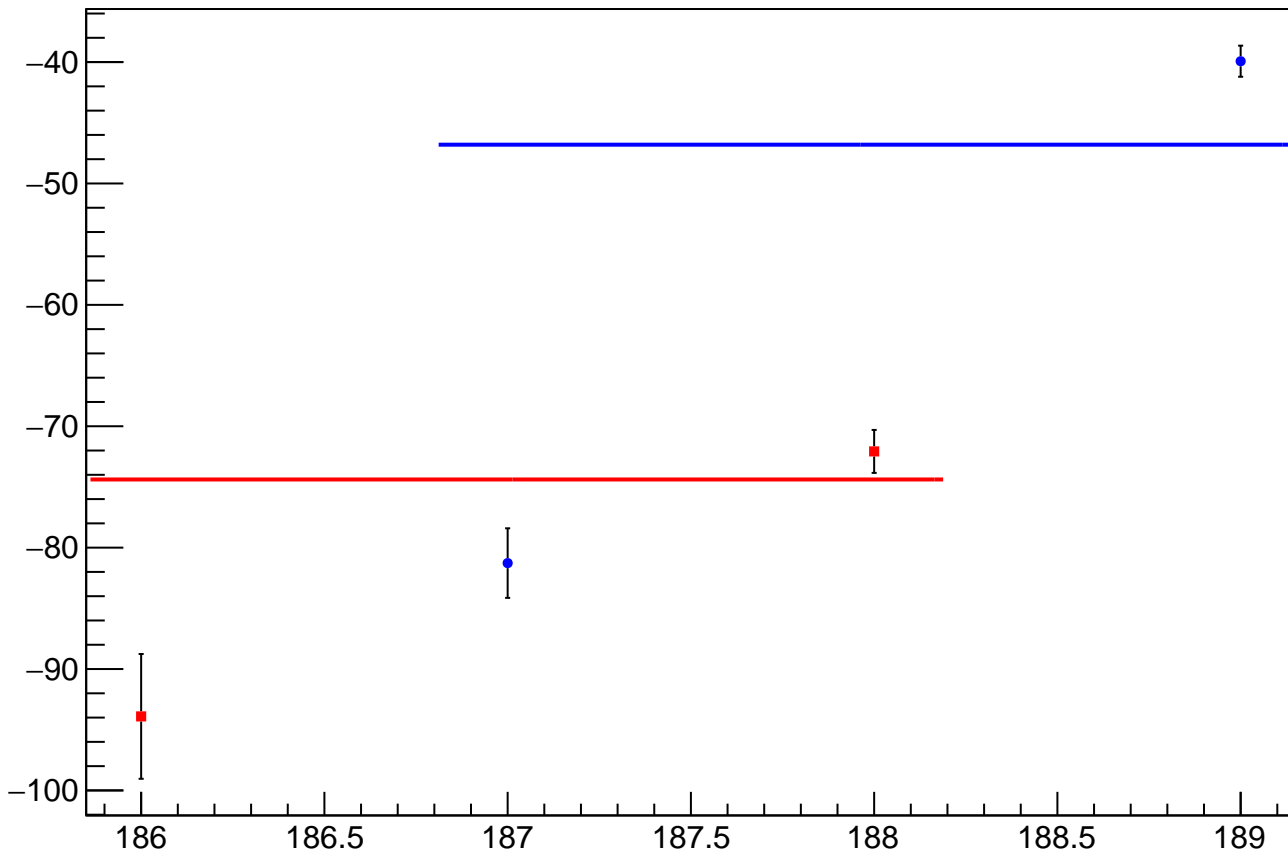
Right: 24.046 $\pm$ 0.401  $\chi^2$ /NDF: 2.7/3

In: 24.546 $\pm$ 0.572  $\chi^2$ /NDF:0.0/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 24.046 $\pm$ 0.401  $\chi^2$ /NDF: 2.7/3

# reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -46.805+/-1.169  $\chi^2$ /NDF: 173.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -74.384+/-1.673  $\chi^2$ /NDF: 16.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

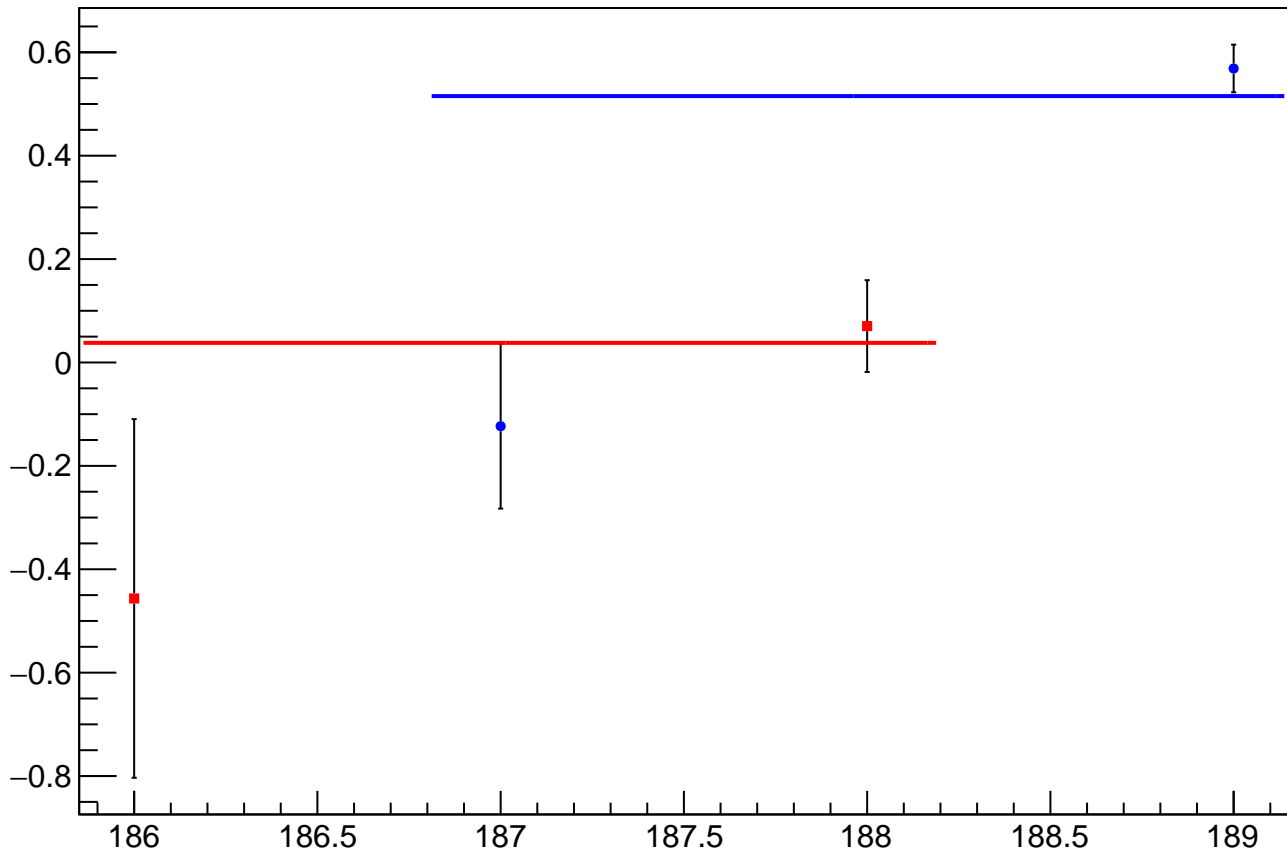
Right: -55.851+/-0.958  $\chi^2$ /NDF: 372.3/3

In: -46.805+/-1.169  $\chi^2$ /NDF:173.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -55.851+/-0.958  $\chi^2$ /NDF: 372.3/3

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.515+/-0.044  $\chi^2$ /NDF: 17.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.038+/-0.086  $\chi^2$ /NDF: 2.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

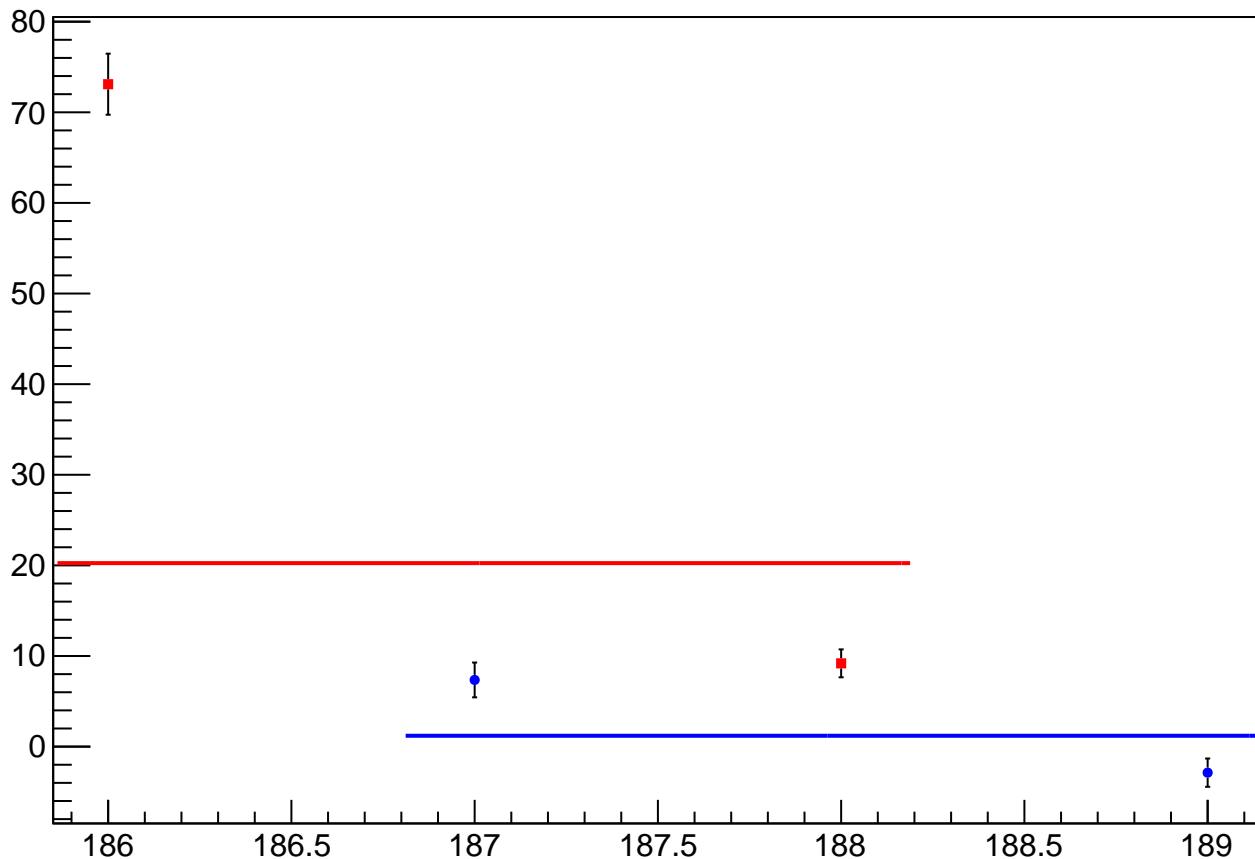
Right: 0.415+/-0.039  $\chi^2$ /NDF: 43.9/3

In: 0.515+/-0.044  $\chi^2$ /NDF:17.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.415+/-0.039  $\chi^2$ /NDF: 43.9/3

reg\_asym\_sam\_1548\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 1.199+/-1.211  $\chi^2$ /NDF: 17.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 20.251+/-1.401  $\chi^2$ /NDF: 297.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 9.345+/-0.916  $\chi^2$ /NDF: 420.5/3

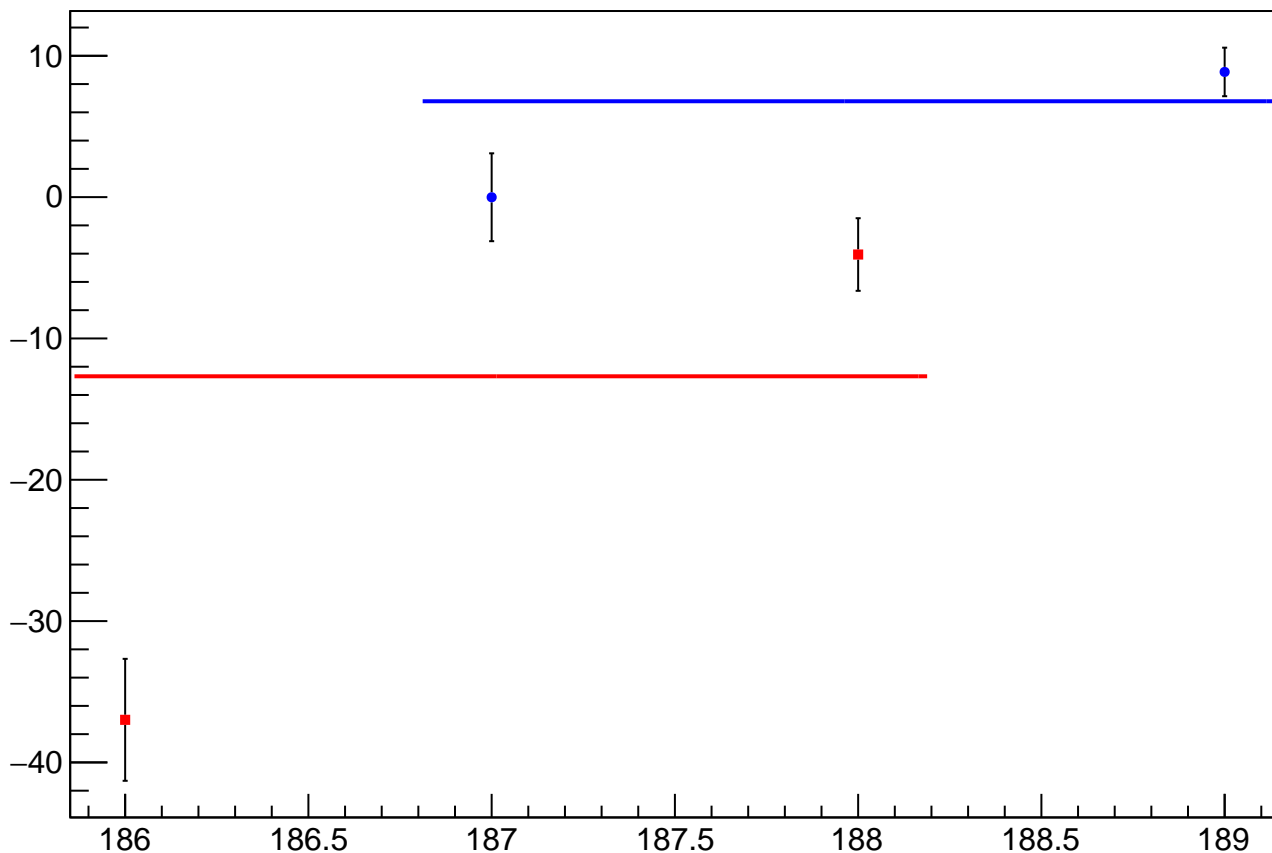
In: 1.199+/-1.211  $\chi^2$ /NDF:17.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 9.345+/-0.916  $\chi^2$ /NDF: 420.5/3



reg\_asym\_sam\_1548\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.785+/-1.503  $\chi^2$ /NDF: 6.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -12.678+/-2.207  $\chi^2$ /NDF: 43.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

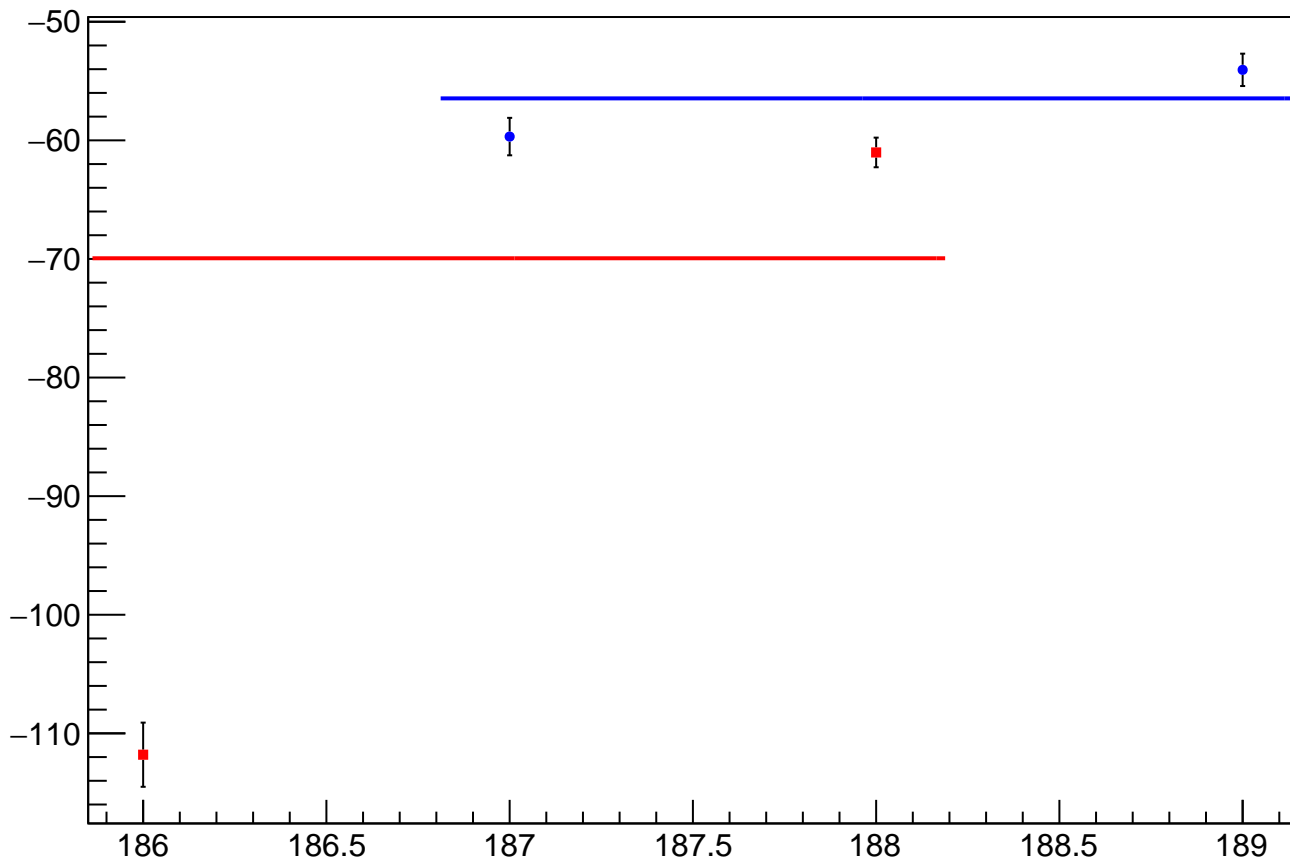
Right: 0.617+/-1.242  $\chi^2$ /NDF: 102.3/3

In: 6.785+/-1.503  $\chi^2$ /NDF:6.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.617+/-1.242  $\chi^2$ /NDF: 102.3/3

reg\_asym\_sam\_1548\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -56.462+/-1.032  $\chi^2$ /NDF: 7.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -69.943+/-1.134  $\chi^2$ /NDF: 290.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

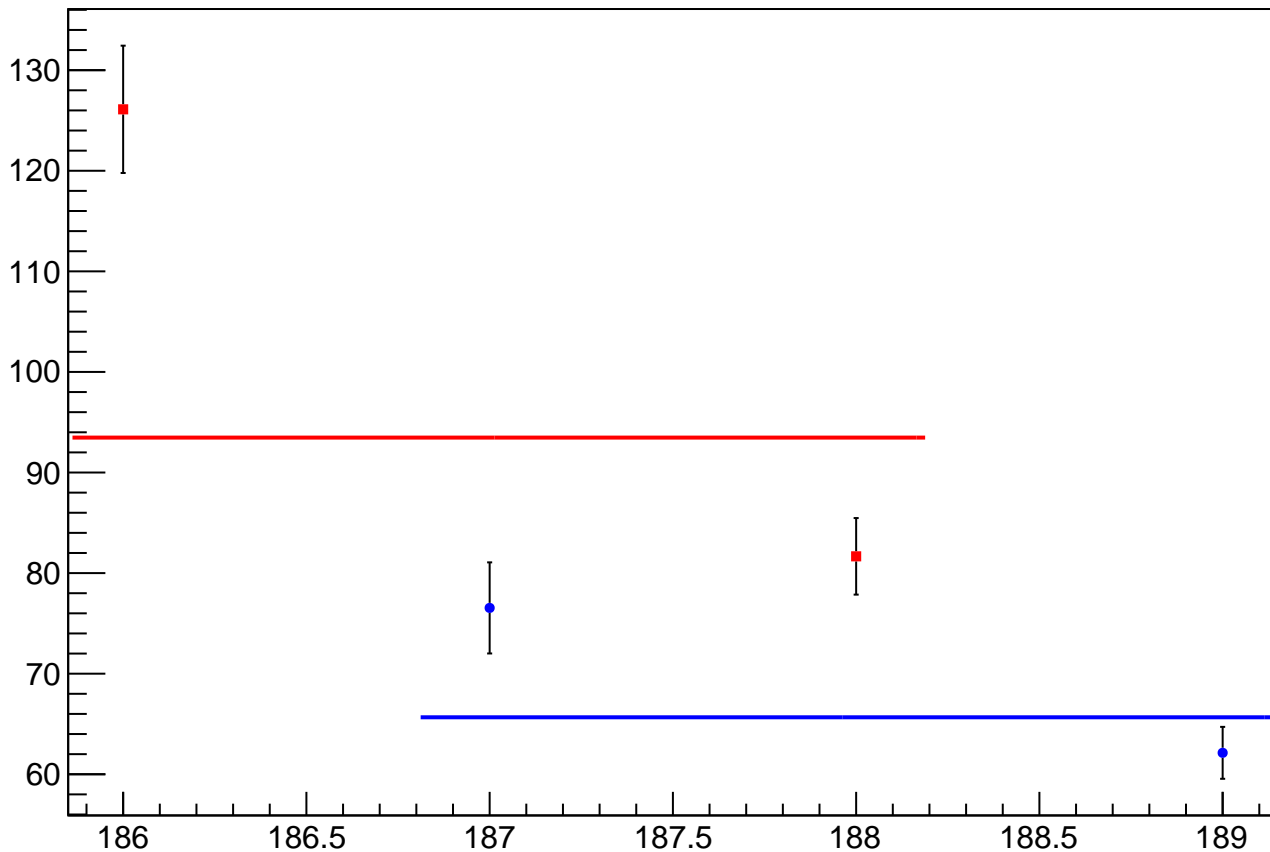
Right: -62.571+/-0.763  $\chi^2$ /NDF: 374.9/3

In: -56.462+/-1.032  $\chi^2$ /NDF:7.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -62.571+/-0.763  $\chi^2$ /NDF: 374.9/3

# reg\_asym\_sam\_1548\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 65.665+/-2.243  $\chi^2$ /NDF: 7.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 93.472+/-3.262  $\chi^2$ /NDF: 36.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

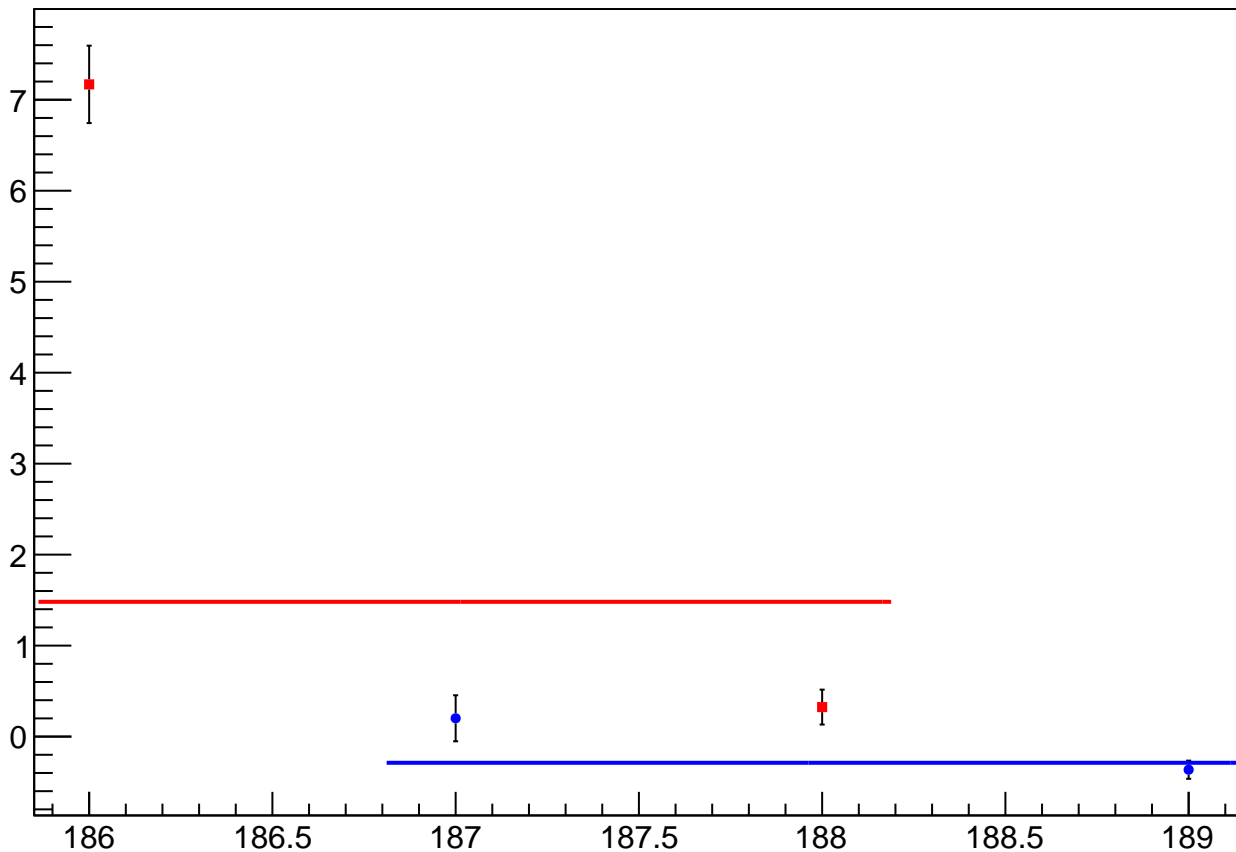
Right: 74.591+/-1.848  $\chi^2$ /NDF: 93.2/3

In: 65.665+/-2.243  $\chi^2$ /NDF:7.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 74.591+/-1.848  $\chi^2$ /NDF: 93.2/3

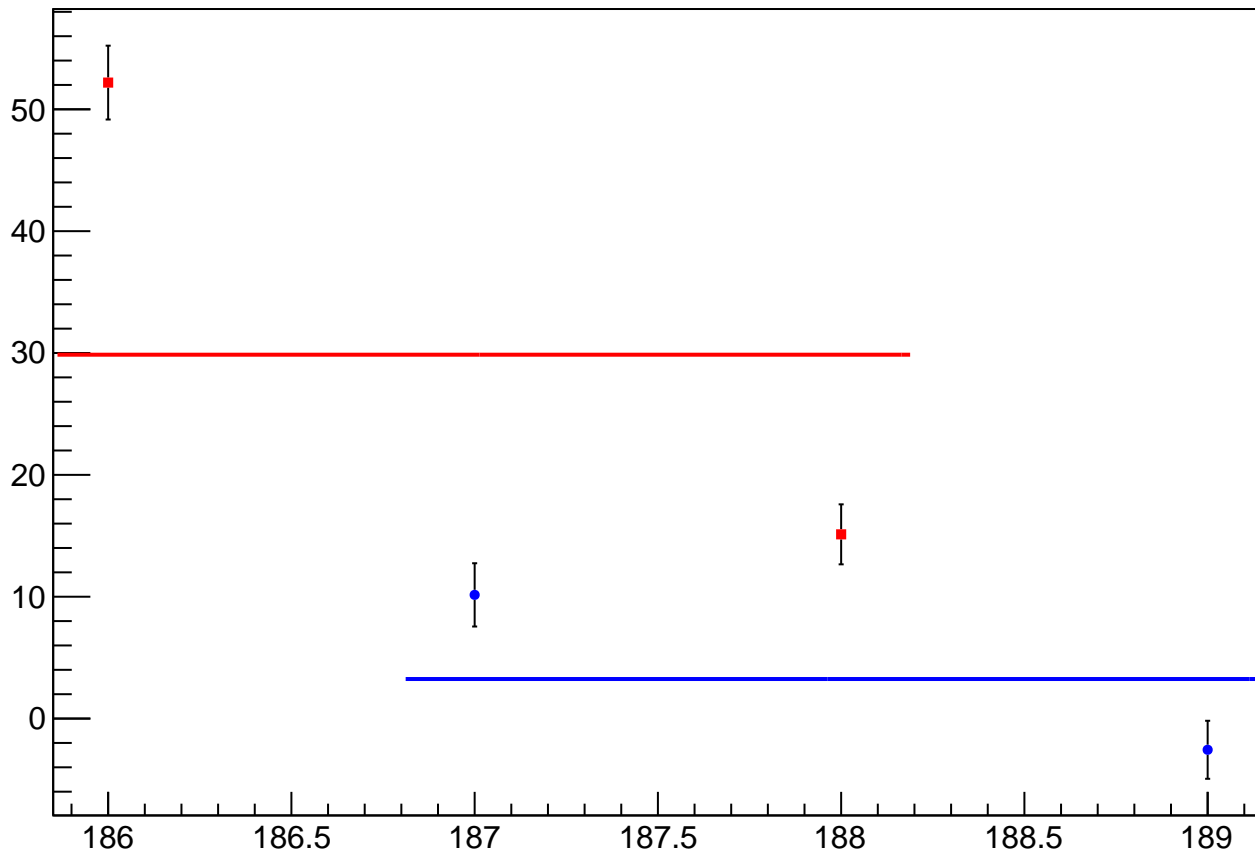
# reg\_asym\_sam\_1548\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.288 \pm 0.093$   $\chi^2/\text{NDF}: 4.3/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $1.481 \pm 0.175$   $\chi^2/\text{NDF}: 215.1/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $0.101 \pm 0.082$   $\chi^2/\text{NDF}: 299.2/3$   
 In:  $-0.288 \pm 0.093$   $\chi^2/\text{NDF}: 4.3/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $0.101 \pm 0.082$   $\chi^2/\text{NDF}: 299.2/3$

# reg\_asym\_sam\_3748\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 3.246+/-1.755  $\chi^2$ /NDF: 13.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 29.861+/-1.911  $\chi^2$ /NDF: 90.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

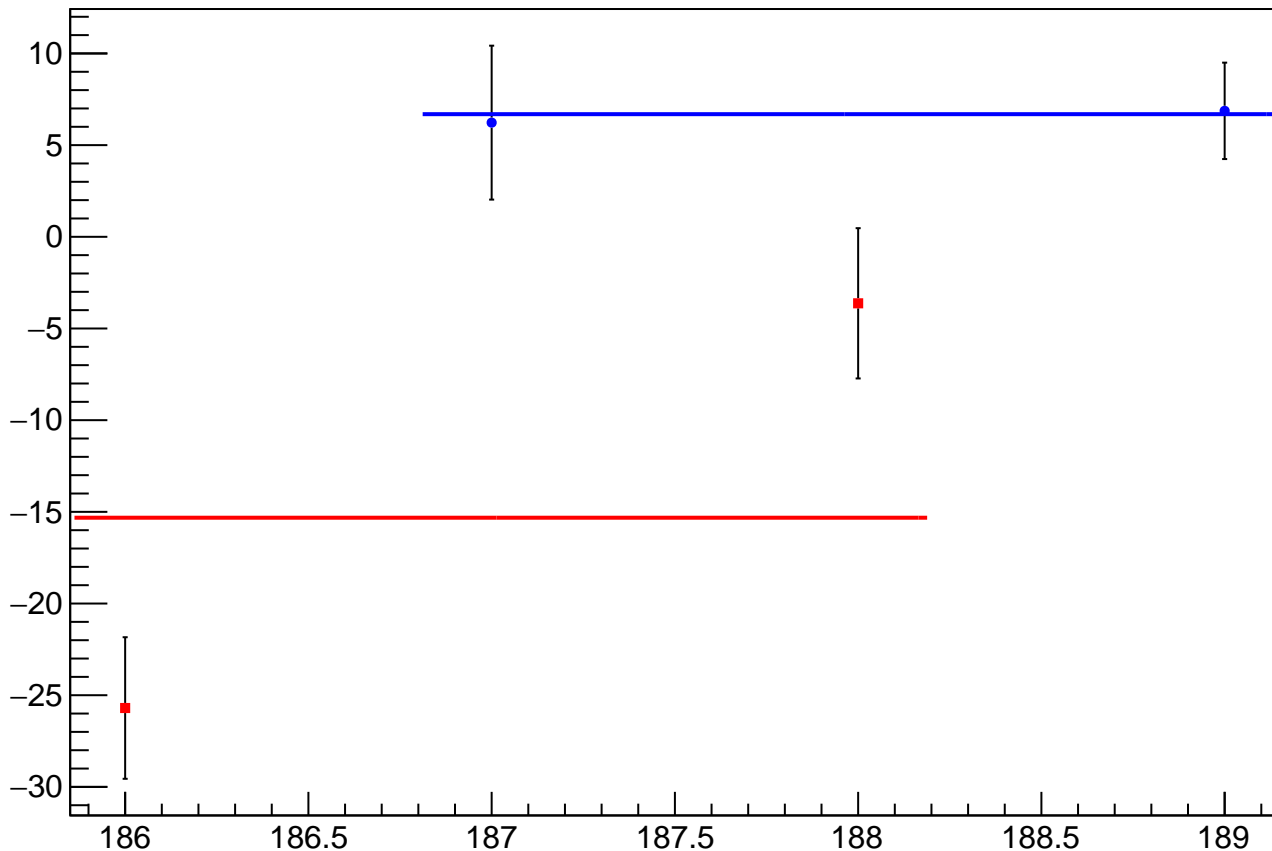
Right: 15.421+/-1.292  $\chi^2$ /NDF: 208.4/3

In: 3.246+/-1.755  $\chi^2$ /NDF:13.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 15.421+/-1.292  $\chi^2$ /NDF: 208.4/3

reg\_asym\_sam\_3748\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.689+/-2.228  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -15.320+/-2.810  $\chi^2$ /NDF: 15.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

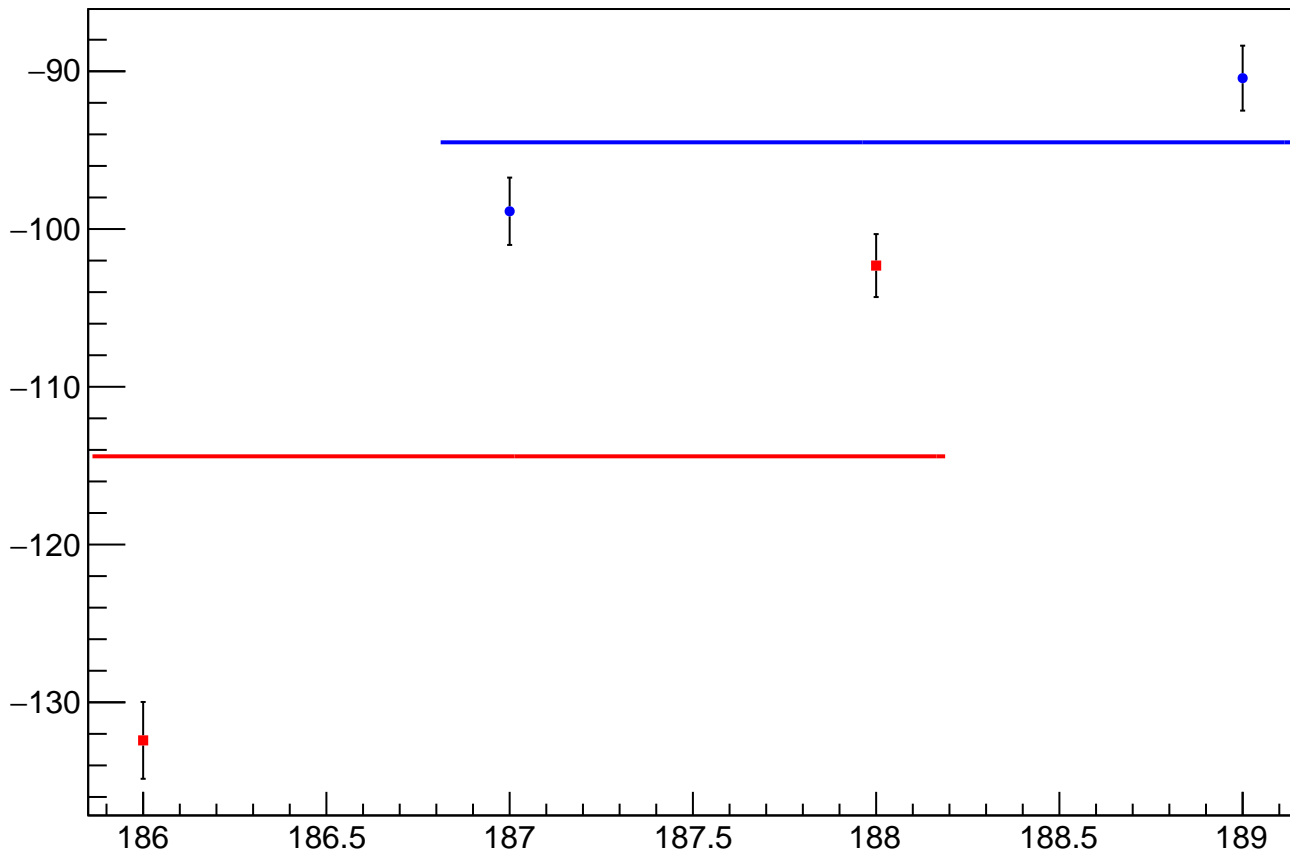
Right: -1.807+/-1.746  $\chi^2$ /NDF: 53.0/3

In: 6.689+/-2.228  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1.807+/-1.746  $\chi^2$ /NDF: 53.0/3

# reg\_asym\_sam\_3748\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -94.503+/-1.482  $\chi^2$ /NDF: 8.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -114.407+/-1.543  $\chi^2$ /NDF: 91.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

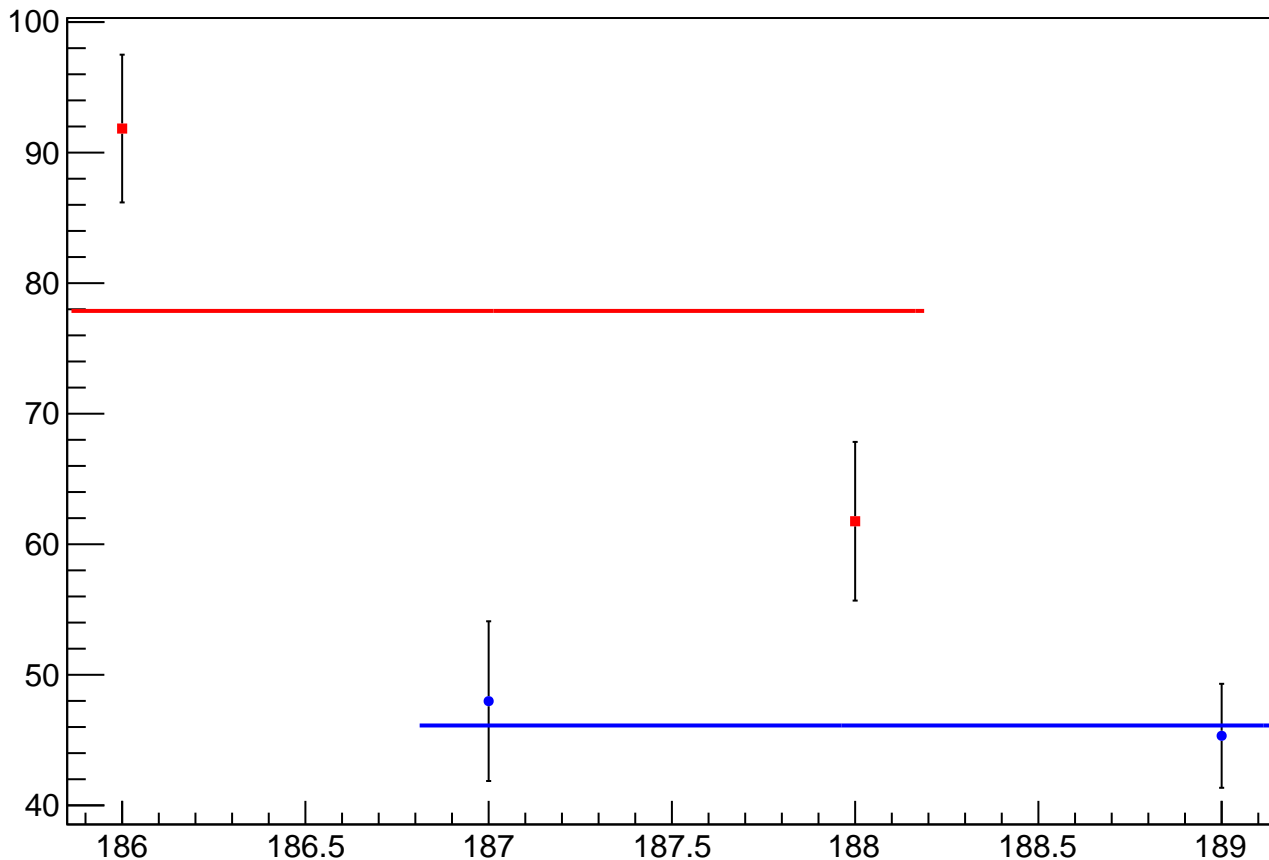
Right: -104.049+/-1.069  $\chi^2$ /NDF: 186.1/3

In: -94.503+/-1.482  $\chi^2$ /NDF:8.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -104.049+/-1.069  $\chi^2$ /NDF: 186.1/3

reg\_asym\_sam\_3748\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 46.118+/-3.338  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 77.874+/-4.142  $\chi^2$ /NDF: 13.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 58.620+/-2.599  $\chi^2$ /NDF: 48.9/3

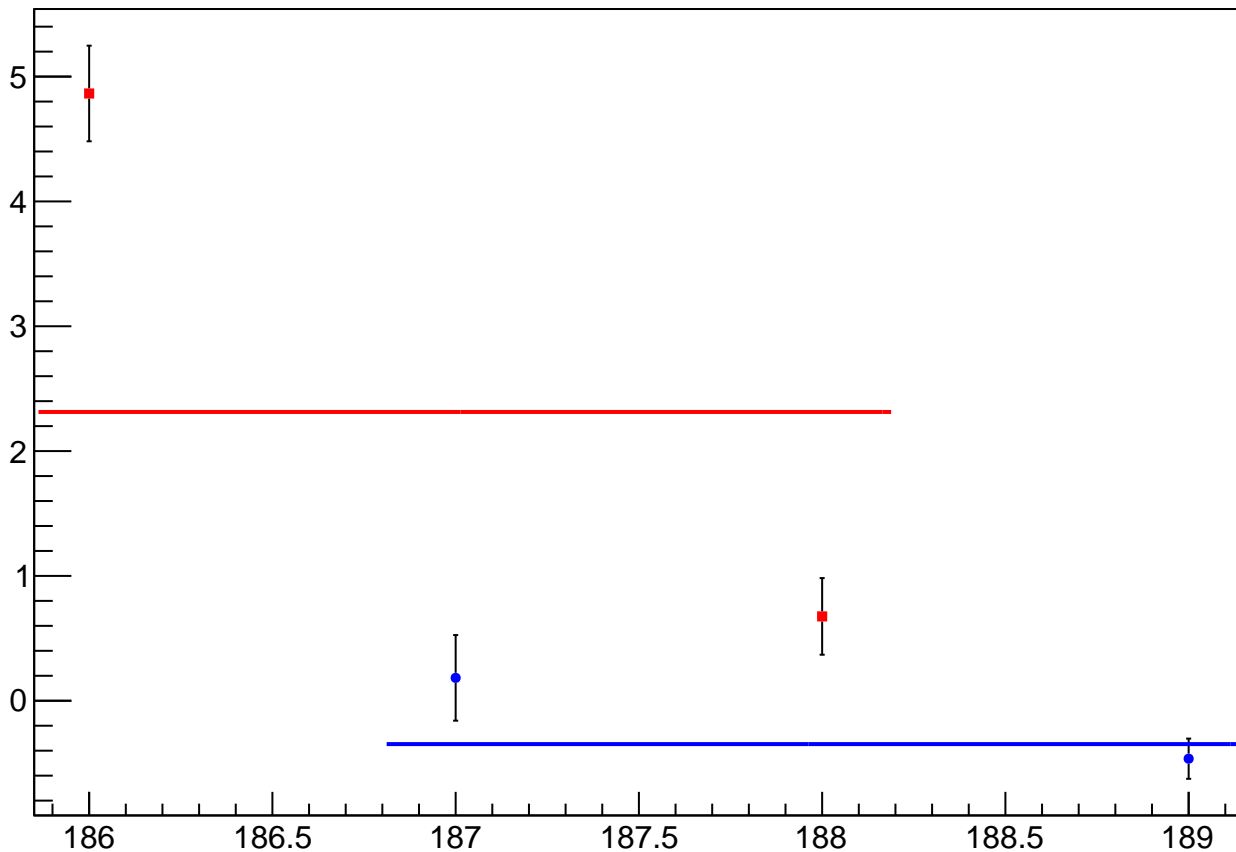
In: 46.118+/-3.338  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 58.620+/-2.599  $\chi^2$ /NDF: 48.9/3



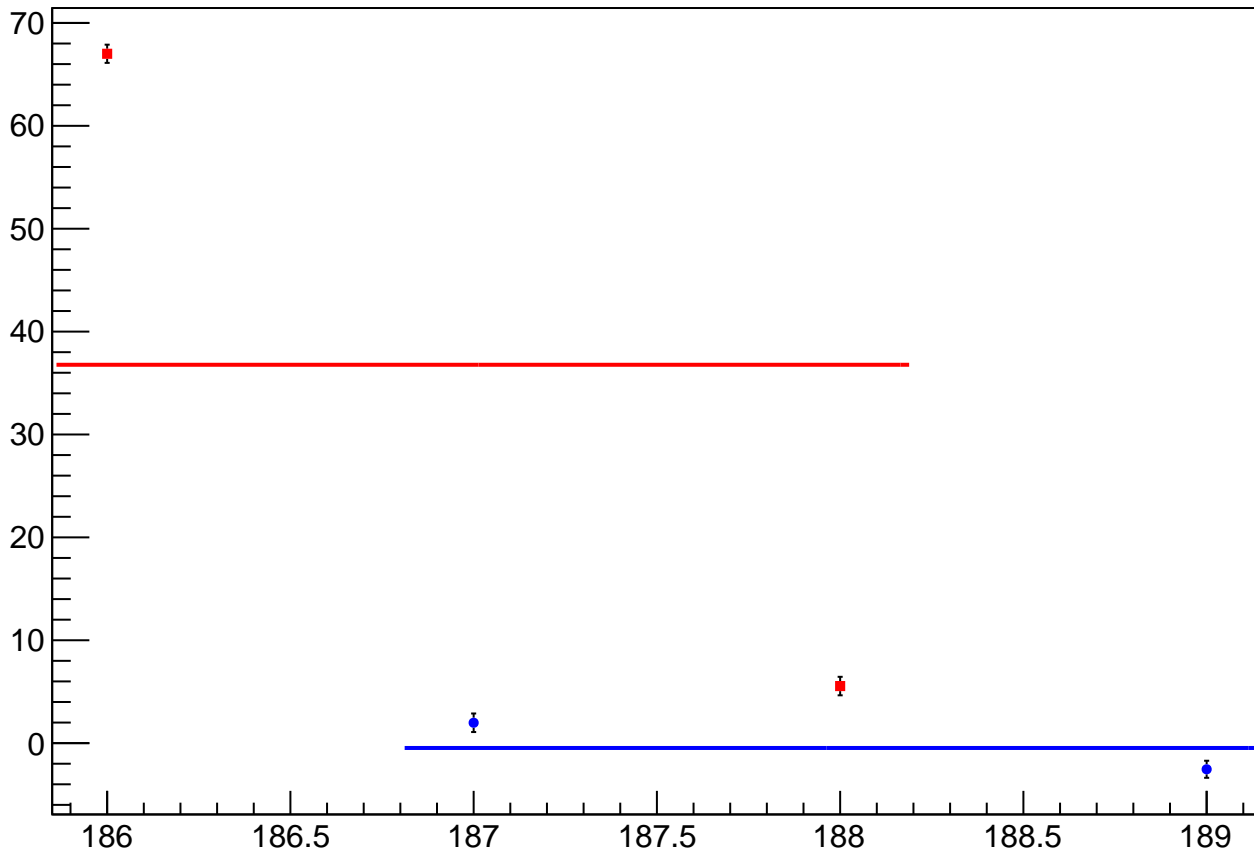
# reg\_asym\_sam\_3748\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.347 \pm 0.146$   $\chi^2/\text{NDF}$ : 2.9/1  
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out:  $2.313 \pm 0.239$   $\chi^2/\text{NDF}$ : 72.8/1  
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 Right:  $0.372 \pm 0.125$   $\chi^2/\text{NDF}$ : 165.8/3  
 In:  $-0.347 \pm 0.146$   $\chi^2/\text{NDF}$ : 2.9/1  
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0  
 All:  $0.372 \pm 0.125$   $\chi^2/\text{NDF}$ : 165.8/3

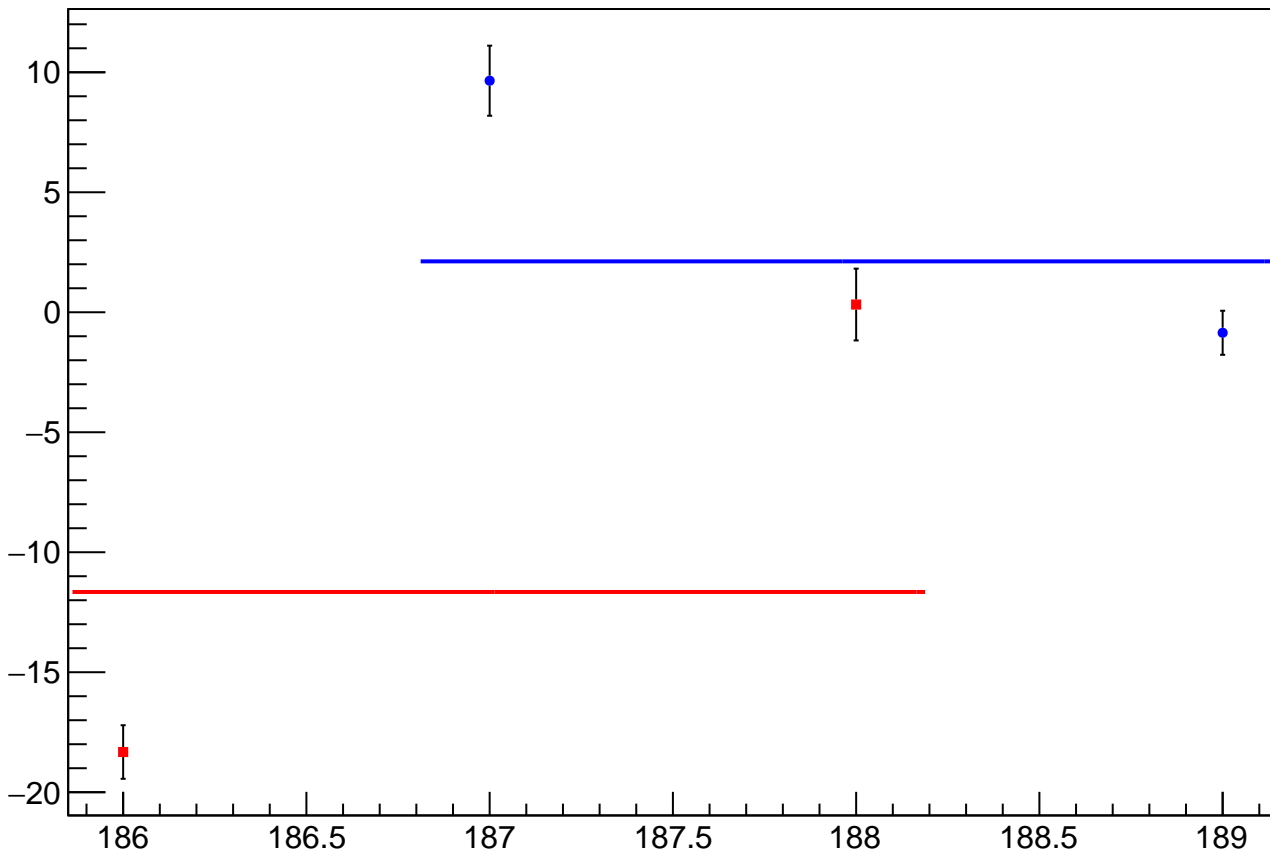
# reg\_asym\_sam\_1526\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-0.469 \pm 0.610$   $\chi^2/\text{NDF}: 13.6/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $36.776 \pm 0.631$   $\chi^2/\text{NDF}: 2372.6/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $17.541 \pm 0.439$   $\chi^2/\text{NDF}: 4186.9/3$   
 In:  $-0.469 \pm 0.610$   $\chi^2/\text{NDF}: 13.6/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $17.541 \pm 0.439$   $\chi^2/\text{NDF}: 4186.9/3$

reg\_asym\_sam\_1526\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.121+/-0.777  $\chi^2$ /NDF: 37.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -11.656+/-0.895  $\chi^2$ /NDF: 99.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

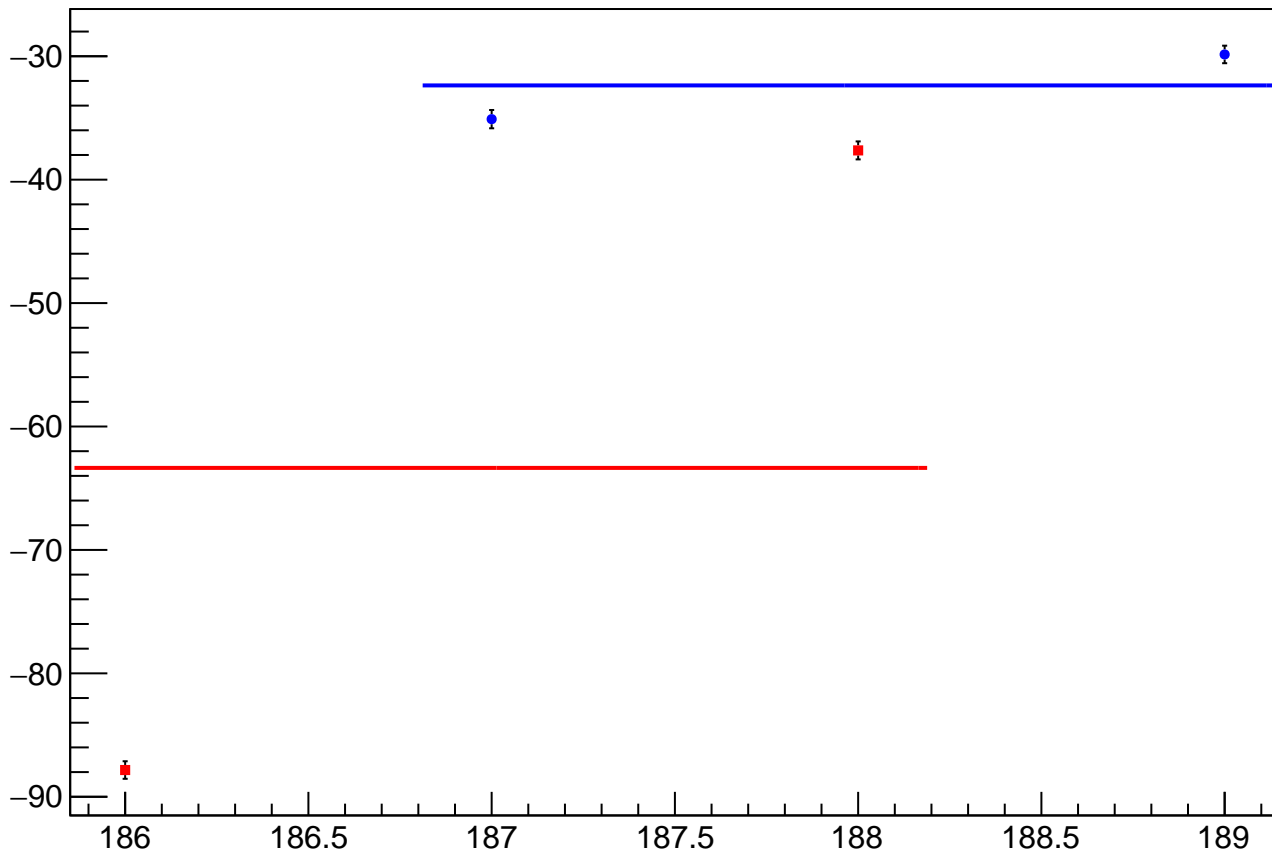
Right: -3.804+/-0.587  $\chi^2$ /NDF: 272.1/3

In: 2.121+/-0.777  $\chi^2$ /NDF:37.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -3.804+/-0.587  $\chi^2$ /NDF: 272.1/3

# reg\_asym\_sam\_1526\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-32.364 \pm 0.513$   $\chi^2/\text{NDF}: 26.1/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-63.354 \pm 0.509$   $\chi^2/\text{NDF}: 2431.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

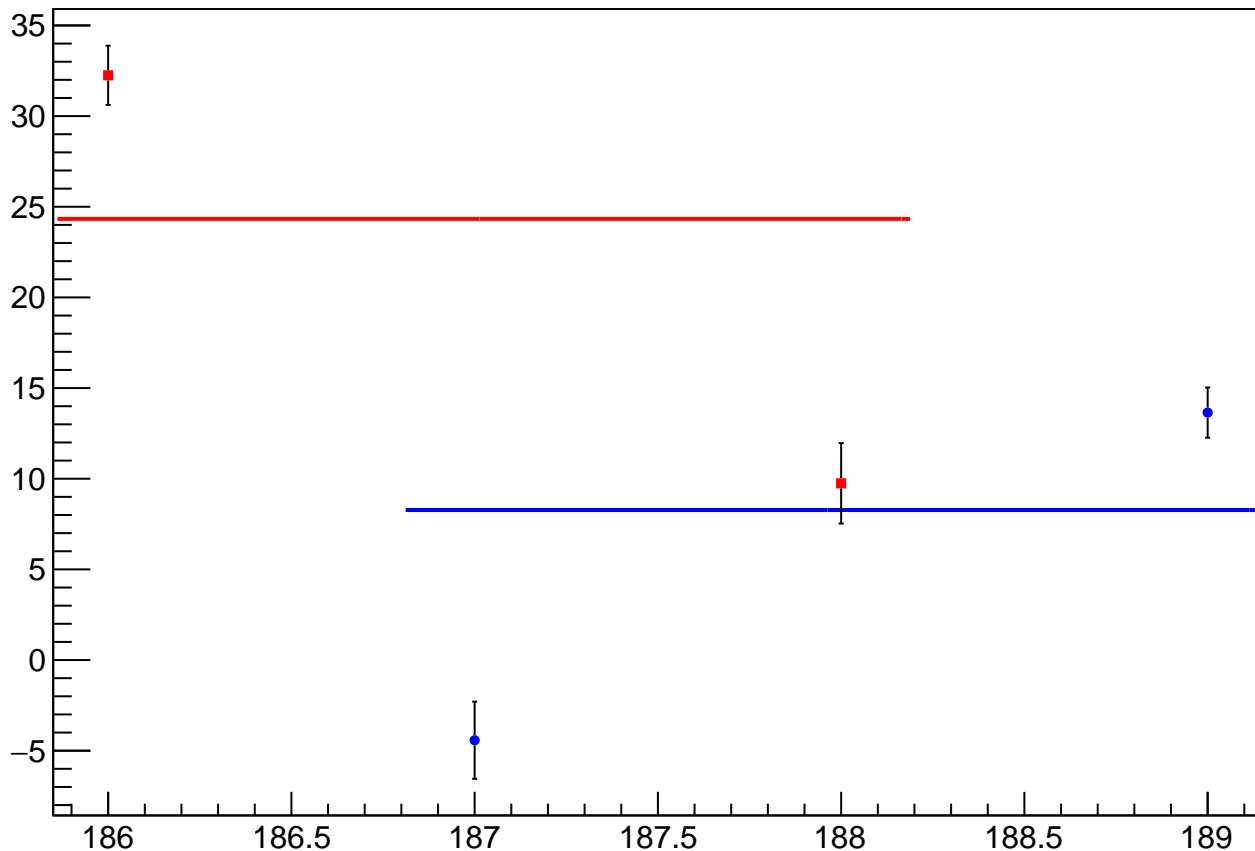
Right:  $-47.982 \pm 0.361$   $\chi^2/\text{NDF}: 4297.1/3$

In:  $-32.364 \pm 0.513$   $\chi^2/\text{NDF}: 26.1/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-47.982 \pm 0.361$   $\chi^2/\text{NDF}: 4297.1/3$

# reg\_asym\_sam\_1526\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.275+/-1.161  $\chi^2$ /NDF: 50.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 24.332+/-1.317  $\chi^2$ /NDF: 66.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

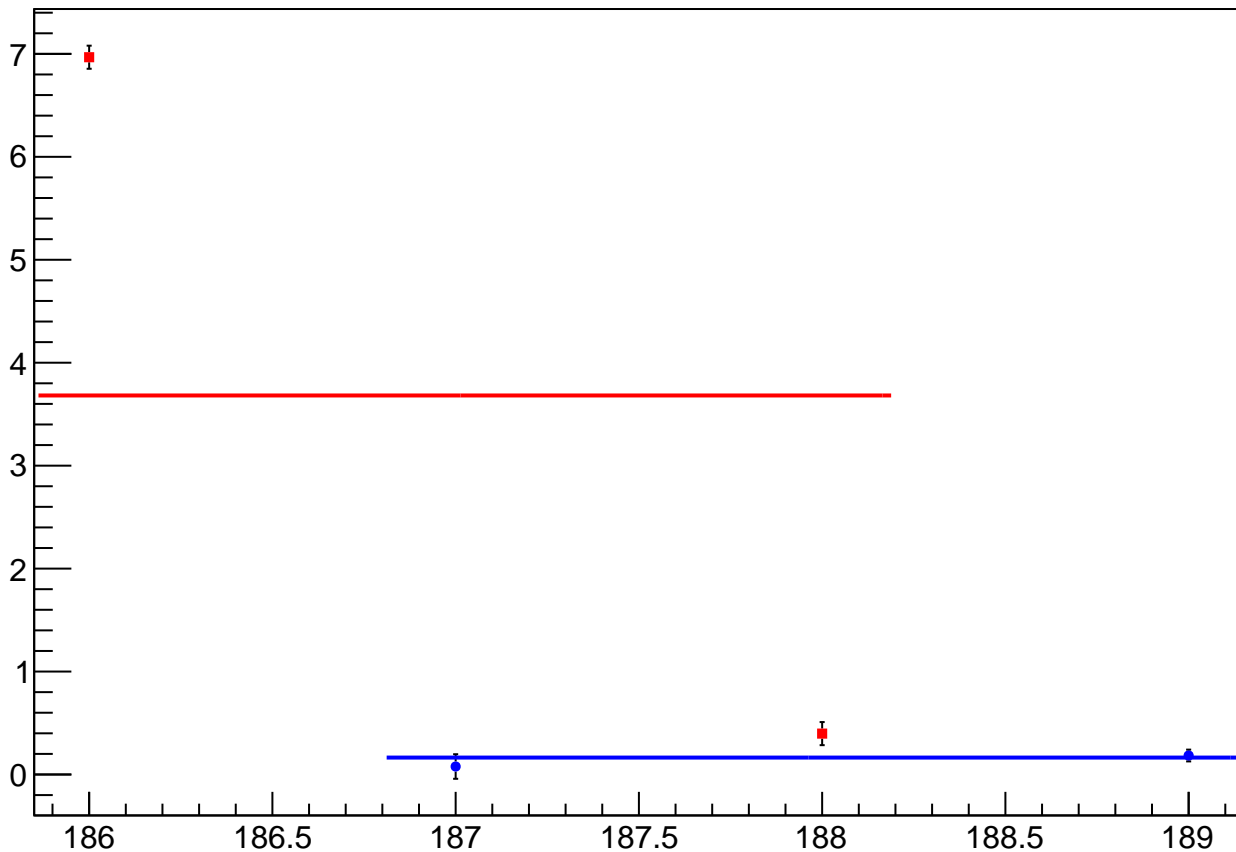
Right: 15.297+/-0.871  $\chi^2$ /NDF: 201.0/3

In: 8.275+/-1.161  $\chi^2$ /NDF:50.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 15.297+/-0.871  $\chi^2$ /NDF: 201.0/3

# reg\_asym\_sam\_1526\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.164+/-0.052  $\chi^2/\text{NDF}$ : 0.7/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.682+/-0.079  $\chi^2/\text{NDF}$ : 1715.3/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

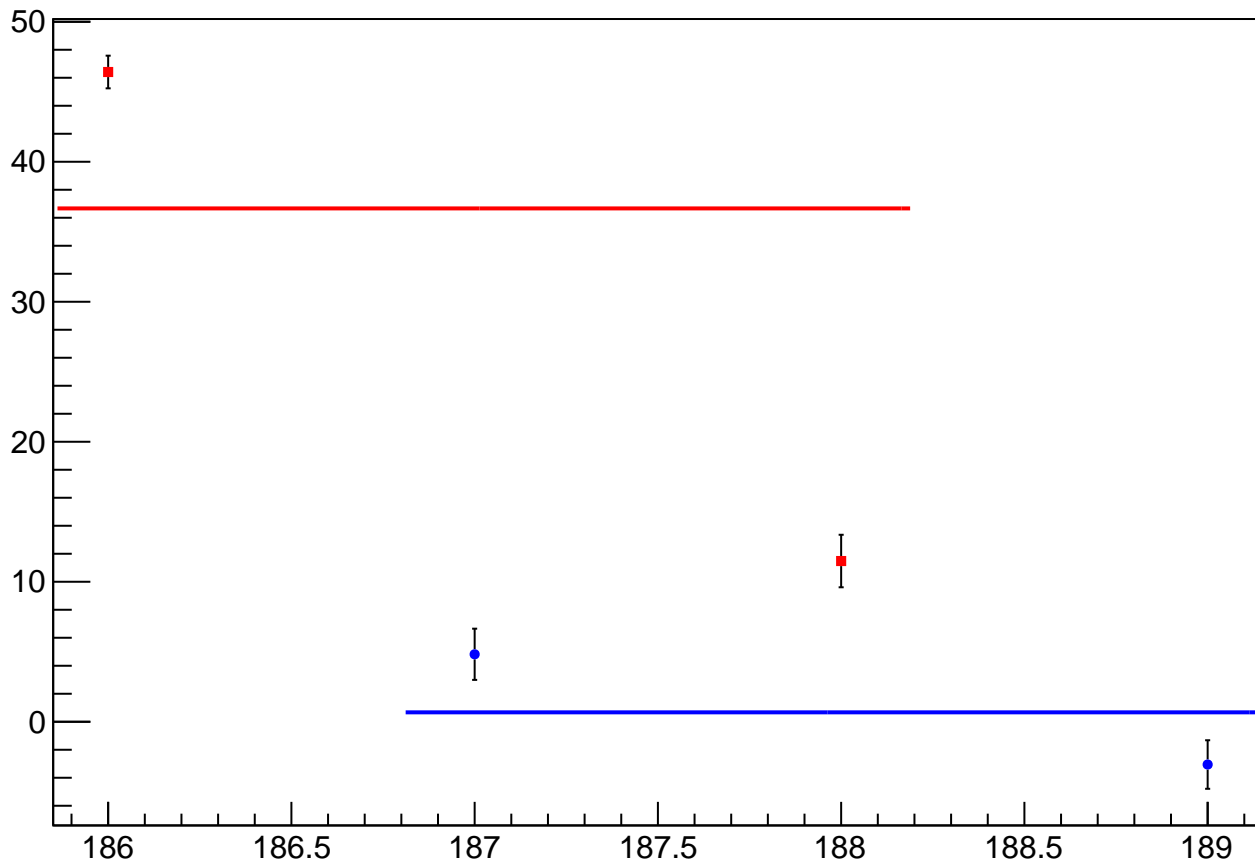
Right: 1.211+/-0.043  $\chi^2/\text{NDF}$ : 3097.2/3

In: 0.164+/-0.052  $\chi^2/\text{NDF}$ : 0.7/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.211+/-0.043  $\chi^2/\text{NDF}$ : 3097.2/3

# reg\_asym\_sam\_3726\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 0.673+/-1.258  $\chi^2$ /NDF: 9.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 36.667+/-0.991  $\chi^2$ /NDF: 250.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

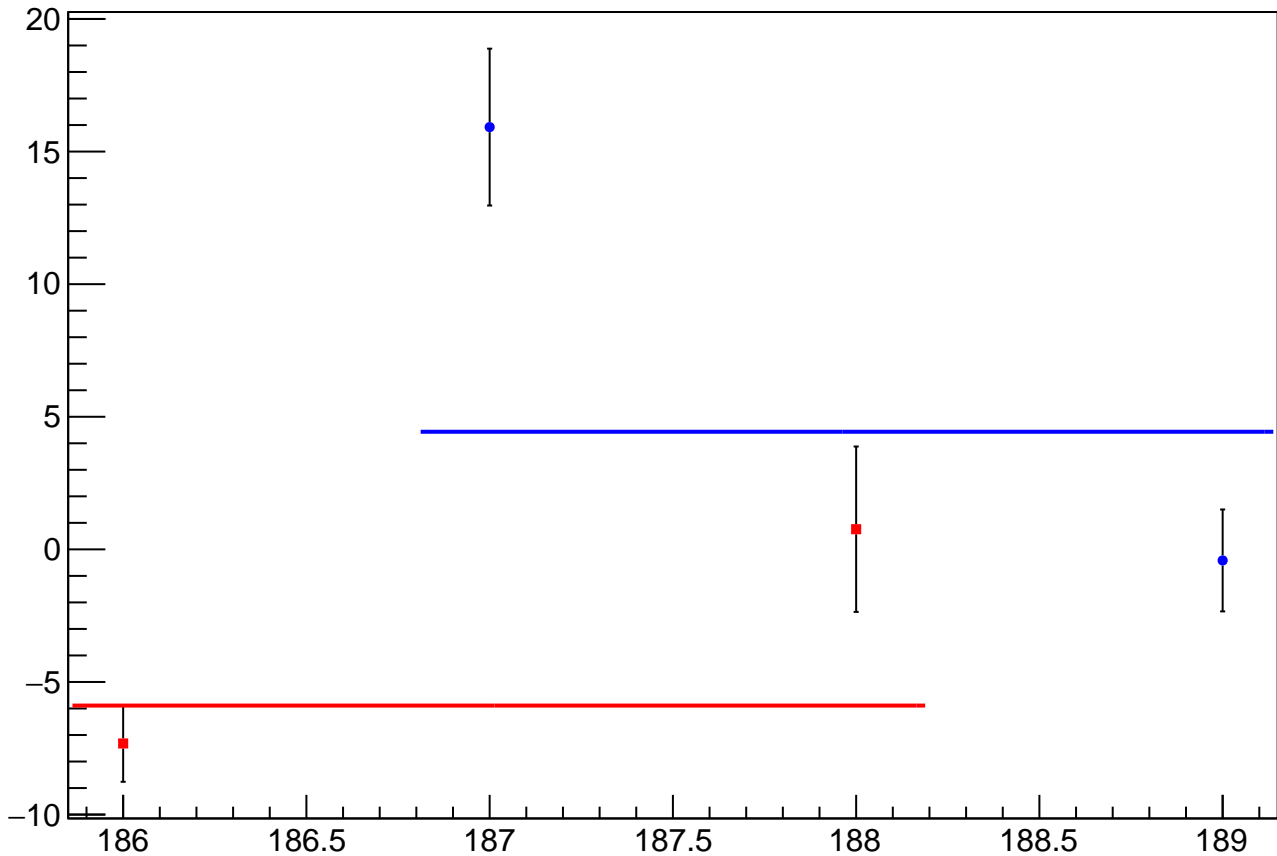
Right: 22.896+/-0.778  $\chi^2$ /NDF: 765.1/3

In: 0.673+/-1.258  $\chi^2$ /NDF:9.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 22.896+/-0.778  $\chi^2$ /NDF: 765.1/3

reg\_asym\_sam\_3726\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.435+/-1.611  $\chi^2$ /NDF: 21.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5.890+/-1.312  $\chi^2$ /NDF: 5.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -1.776+/-1.017  $\chi^2$ /NDF: 51.7/3

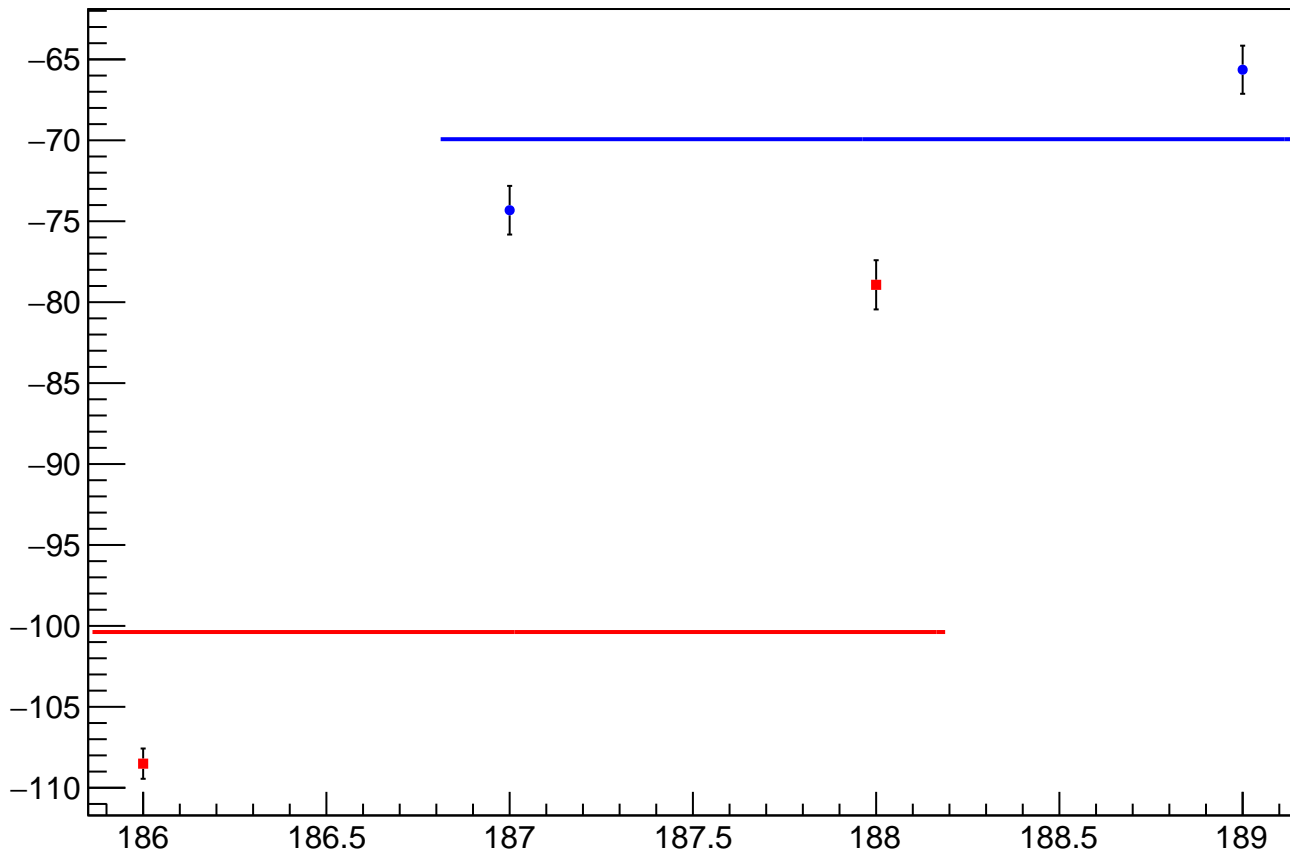
In: 4.435+/-1.611  $\chi^2$ /NDF:21.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1.776+/-1.017  $\chi^2$ /NDF: 51.7/3



# reg\_asym\_sam\_3726\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-69.931 \pm 1.057$   $\chi^2/\text{NDF}: 16.9/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-100.378 \pm 0.797$   $\chi^2/\text{NDF}: 274.8/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

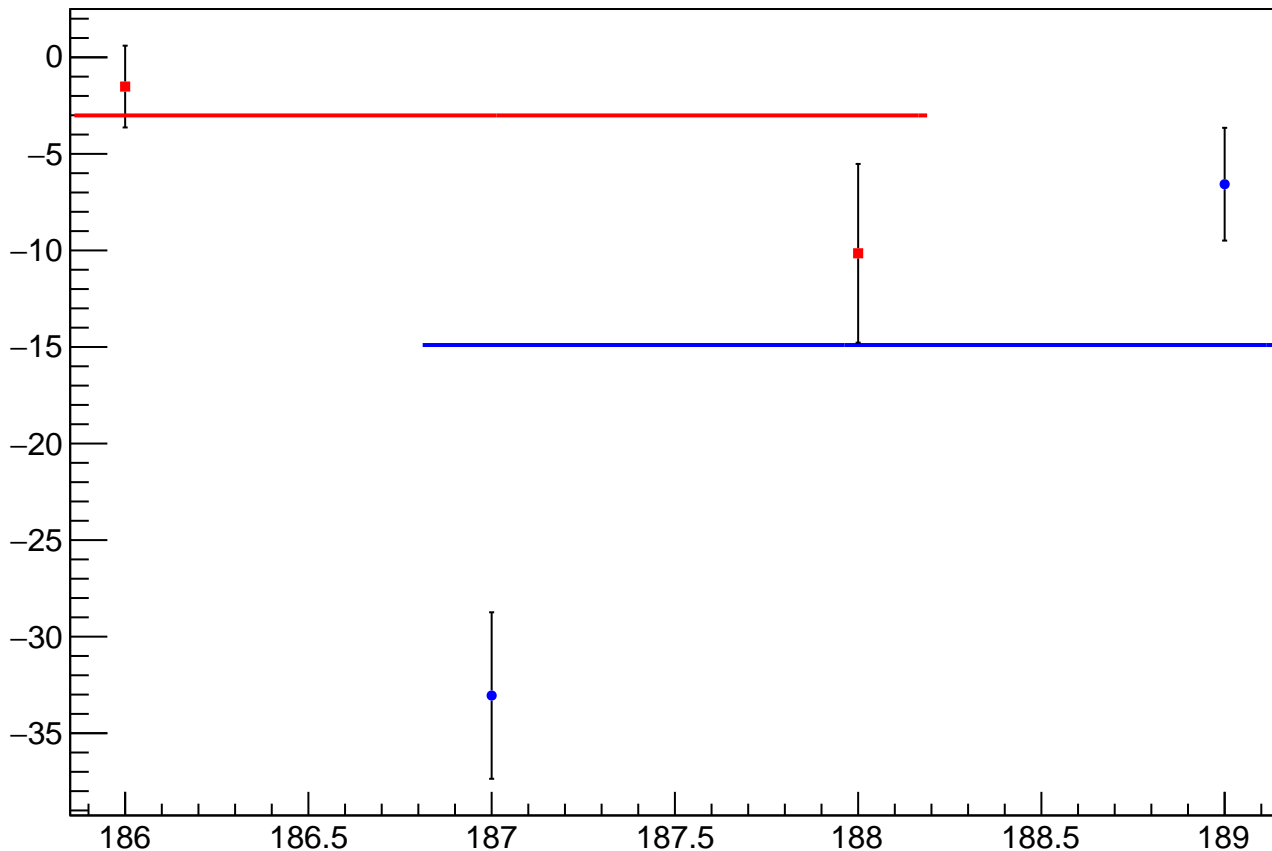
Right:  $-89.347 \pm 0.636$   $\chi^2/\text{NDF}: 820.8/3$

In:  $-69.931 \pm 1.057$   $\chi^2/\text{NDF}: 16.9/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-89.347 \pm 0.636$   $\chi^2/\text{NDF}: 820.8/3$

reg\_asym\_sam\_3726\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -14.898 $\pm$ 2.418  $\chi^2$ /NDF: 25.9/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -3.009 $\pm$ 1.926  $\chi^2$ /NDF: 2.9/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

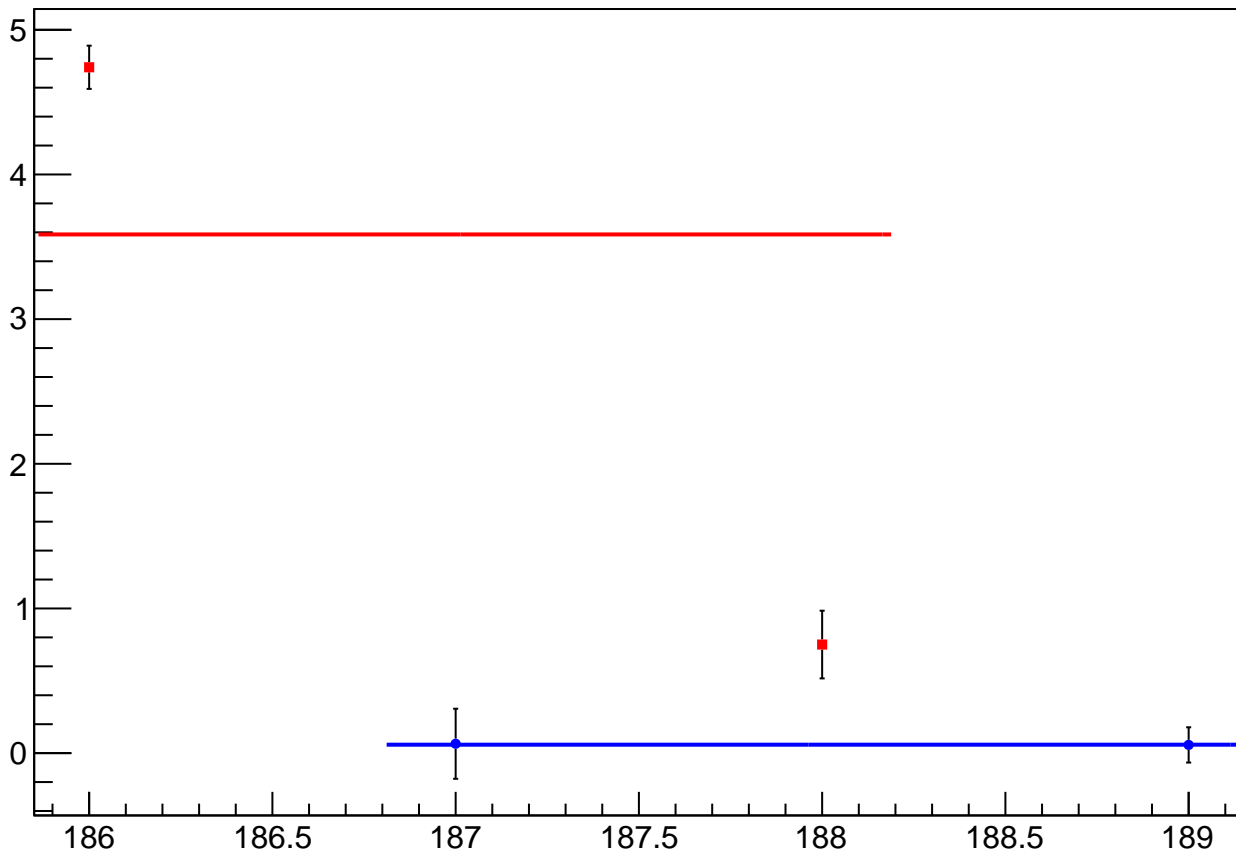
Right: -7.623 $\pm$ 1.506  $\chi^2$ /NDF: 43.5/3

In: -14.898 $\pm$ 2.418  $\chi^2$ /NDF:25.9/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -7.623 $\pm$ 1.506  $\chi^2$ /NDF: 43.5/3

# reg\_asym\_sam\_3726\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.058+/-0.109  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3.585+/-0.126  $\chi^2$ /NDF: 206.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

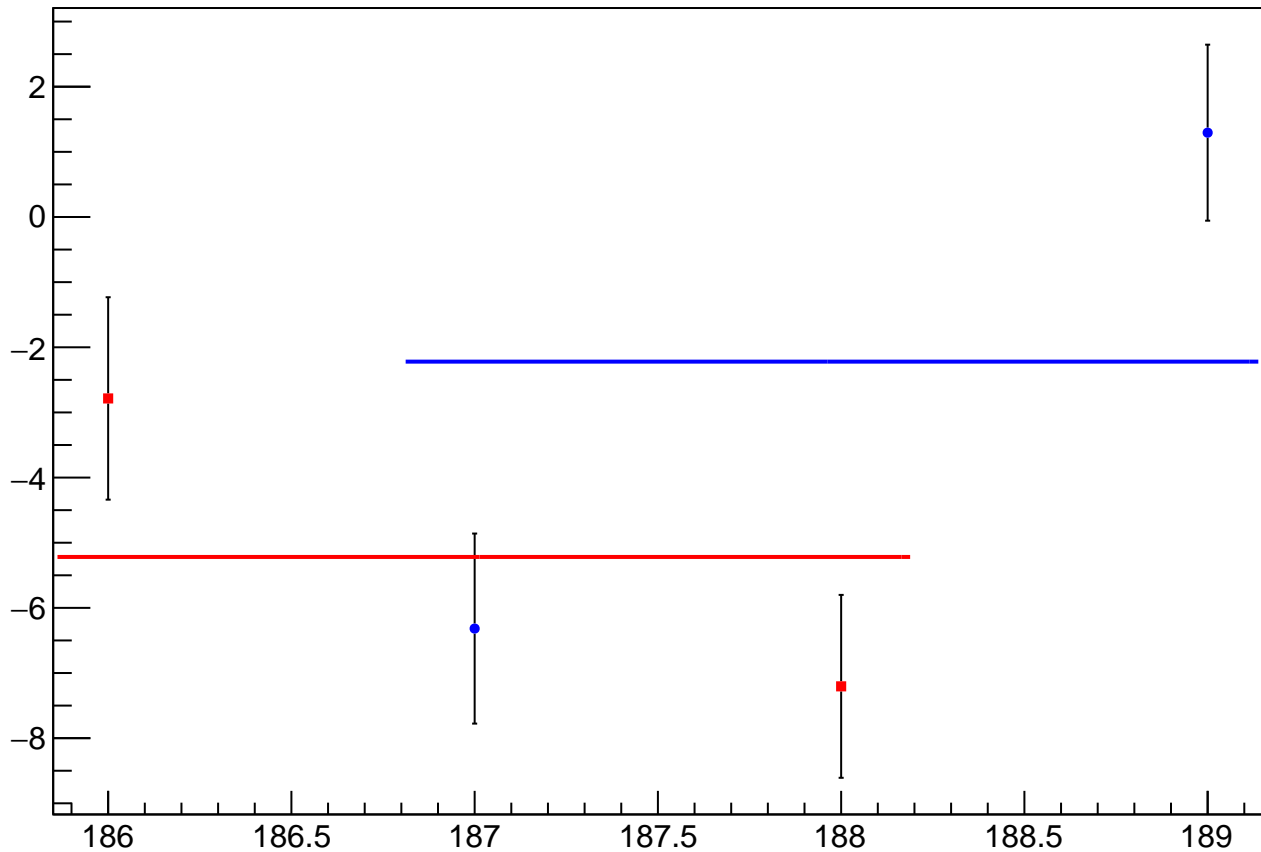
Right: 1.568+/-0.082  $\chi^2$ /NDF: 655.6/3

In: 0.058+/-0.109  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.568+/-0.082  $\chi^2$ /NDF: 655.6/3

# reg\_asym\_sam\_15\_48\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -2.220±/0.991  $\chi^2$ /NDF: 14.7/1

Left Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Right Out: -5.218±/1.042  $\chi^2$ /NDF: 4.5/1

Left In: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/0.000  $\chi^2$ /NDF: 0.0/0

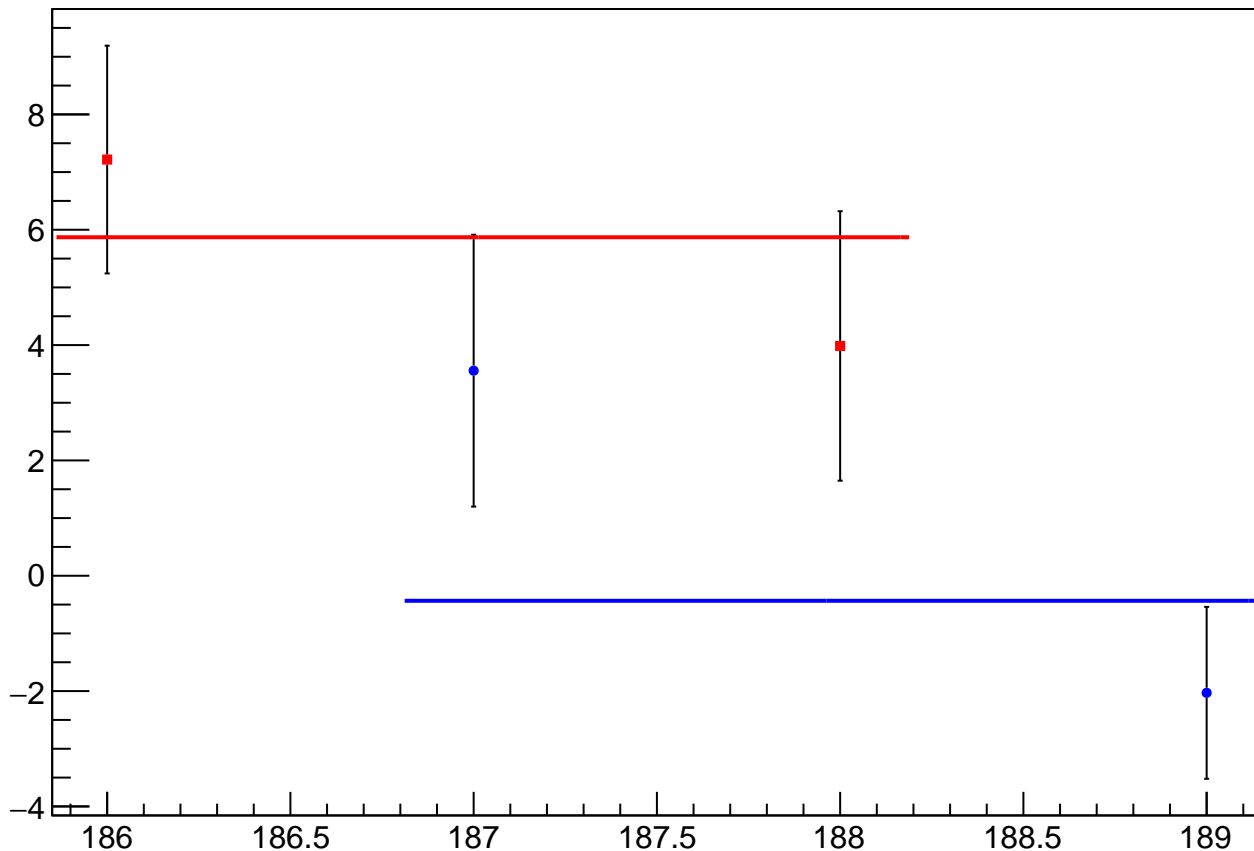
Right: -3.645±/0.718  $\chi^2$ /NDF: 23.5/3

In: -2.220±/0.991  $\chi^2$ /NDF:14.7/1

Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

All: -3.645±/0.718  $\chi^2$ /NDF: 23.5/3

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.434+/-1.260  $\chi^2$ /NDF: 4.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 5.870+/-1.508  $\chi^2$ /NDF: 1.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

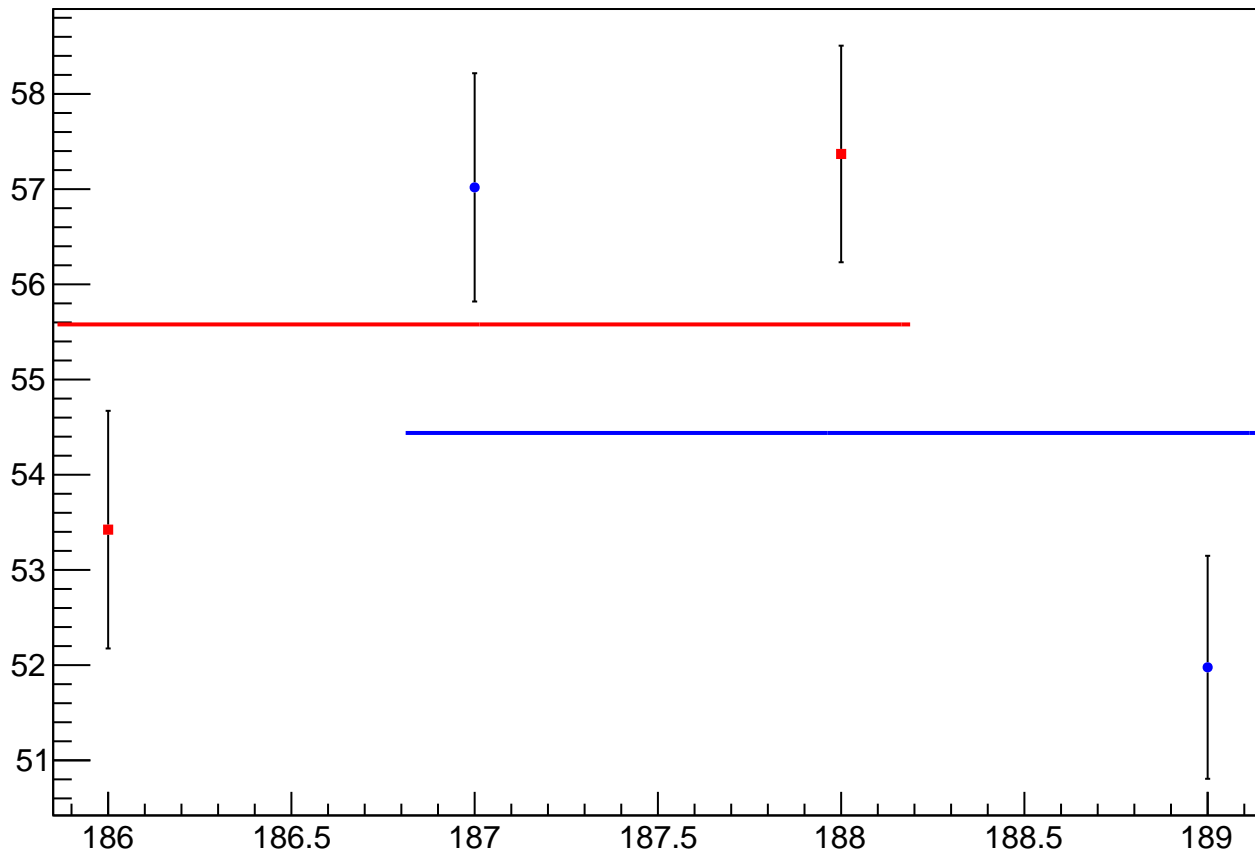
Right: 2.157+/-0.967  $\chi^2$ /NDF: 15.4/3

In: -0.434+/-1.260  $\chi^2$ /NDF:4.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2.157+/-0.967  $\chi^2$ /NDF: 15.4/3

# reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 54.439+/-0.838  $\chi^2$ /NDF: 9.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 55.579+/-0.841  $\chi^2$ /NDF: 5.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

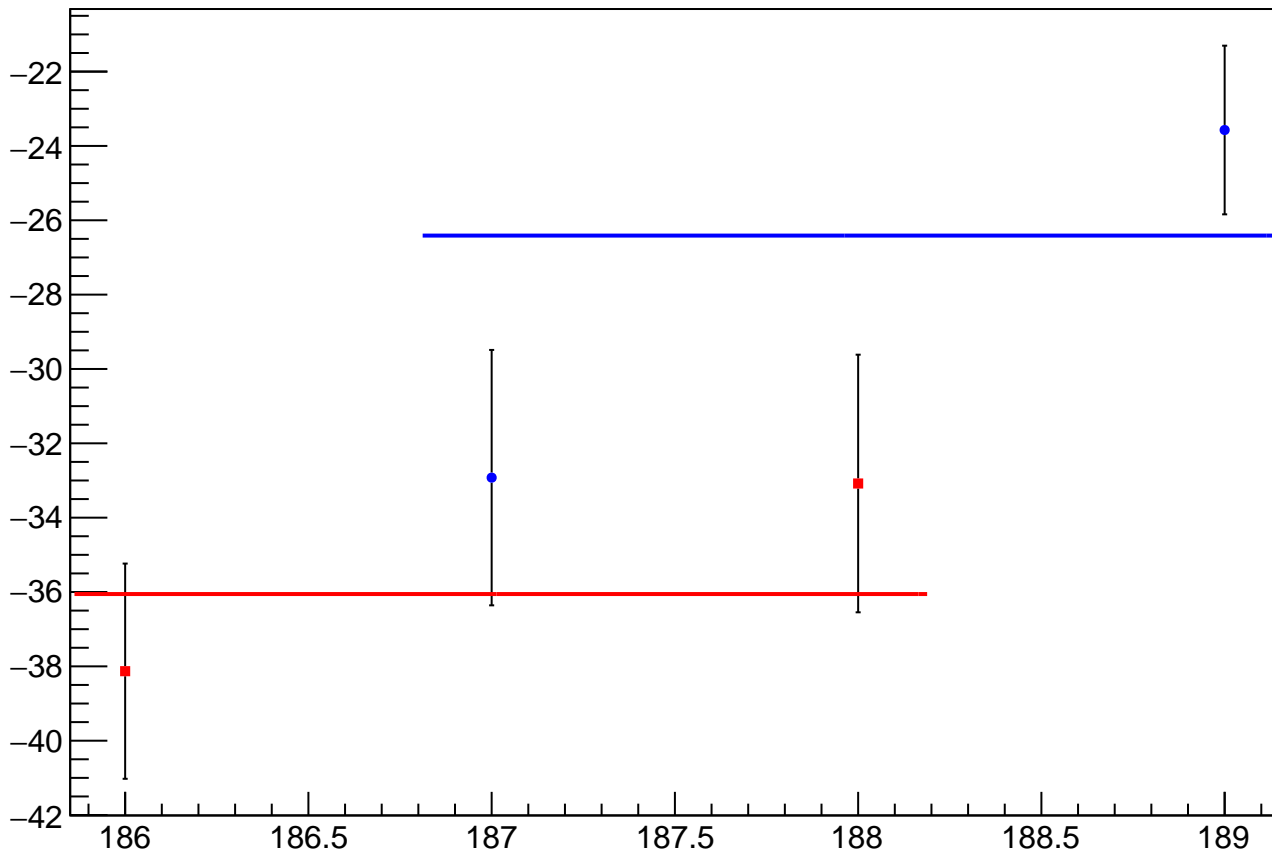
Right: 55.007+/-0.593  $\chi^2$ /NDF: 15.4/3

In: 54.439+/-0.838  $\chi^2$ /NDF:9.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 55.007+/-0.593  $\chi^2$ /NDF: 15.4/3

# reg\_asym\_sam\_15\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -26.412+/-1.893  $\chi^2/\text{NDF}$ : 5.2/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -36.055+/-2.222  $\chi^2/\text{NDF}$ : 1.3/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

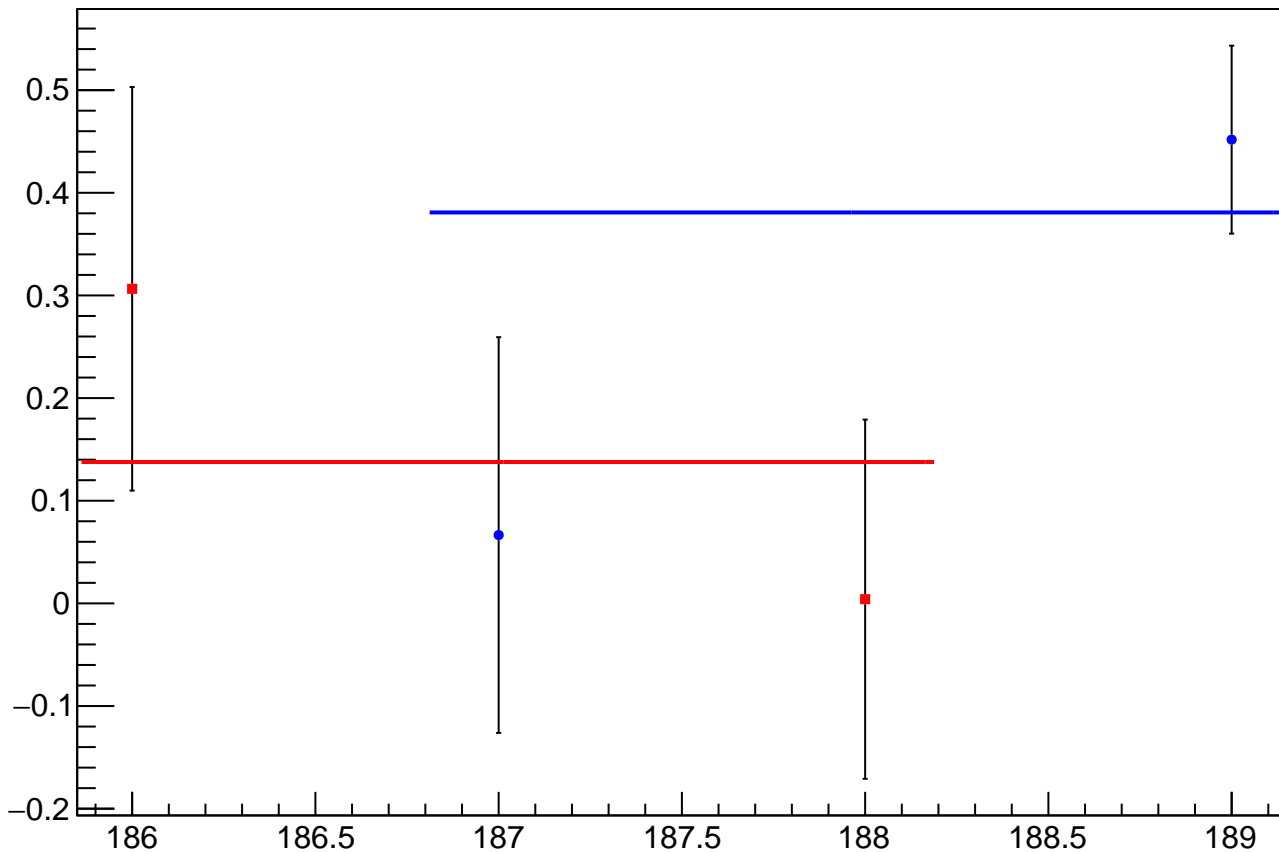
Right: -30.468+/-1.441  $\chi^2/\text{NDF}$ : 17.3/3

In: -26.412+/-1.893  $\chi^2/\text{NDF}$ :5.2/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -30.468+/-1.441  $\chi^2/\text{NDF}$ : 17.3/3

reg\_asym\_sam\_15\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.381+/-0.083  $\chi^2$ /NDF: 3.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.138+/-0.131  $\chi^2$ /NDF: 1.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.311+/-0.070  $\chi^2$ /NDF: 7.0/3

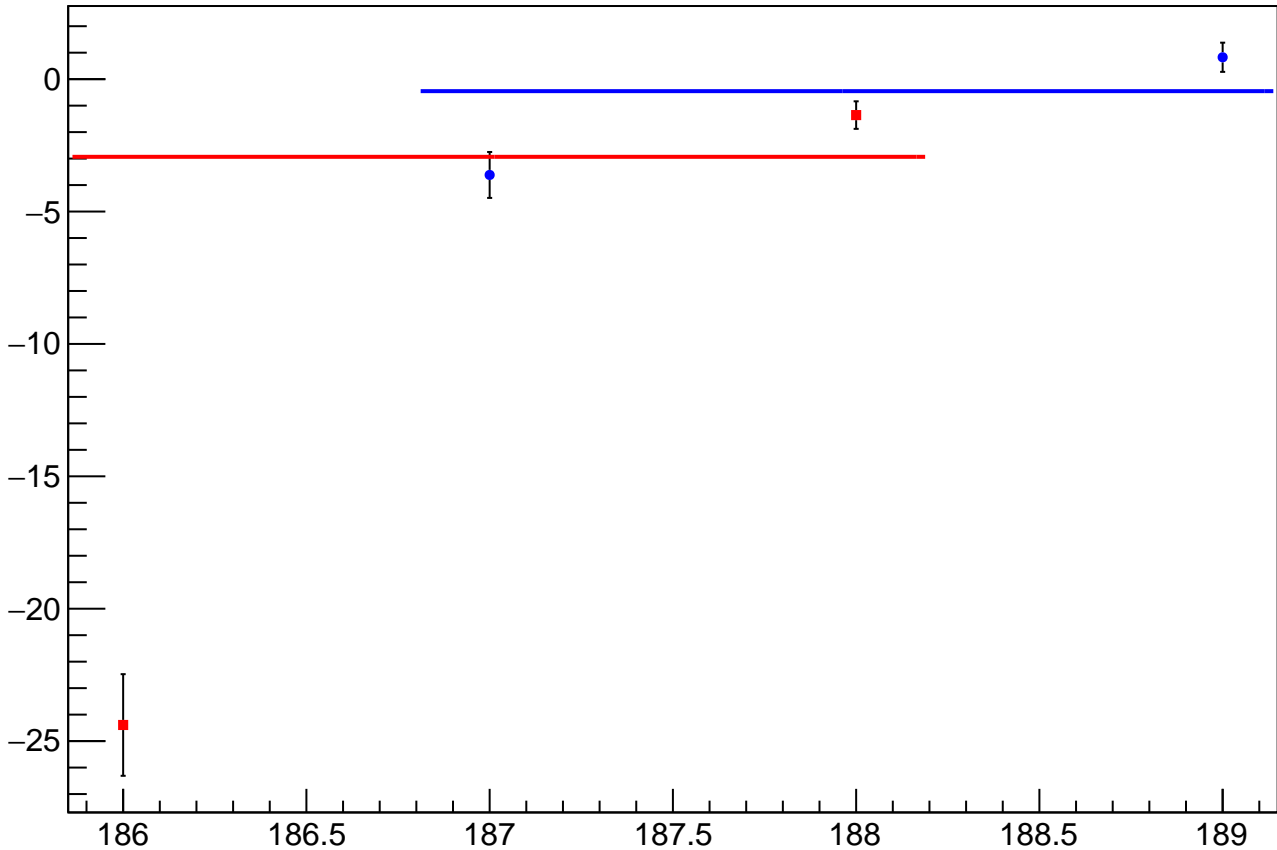
In: 0.381+/-0.083  $\chi^2$ /NDF:3.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.311+/-0.070  $\chi^2$ /NDF: 7.0/3



# reg\_asym\_sam\_37\_48\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-0.453 \pm 0.465$   $\chi^2/\text{NDF}: 18.7/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-2.933 \pm 0.502$   $\chi^2/\text{NDF}: 134.2/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

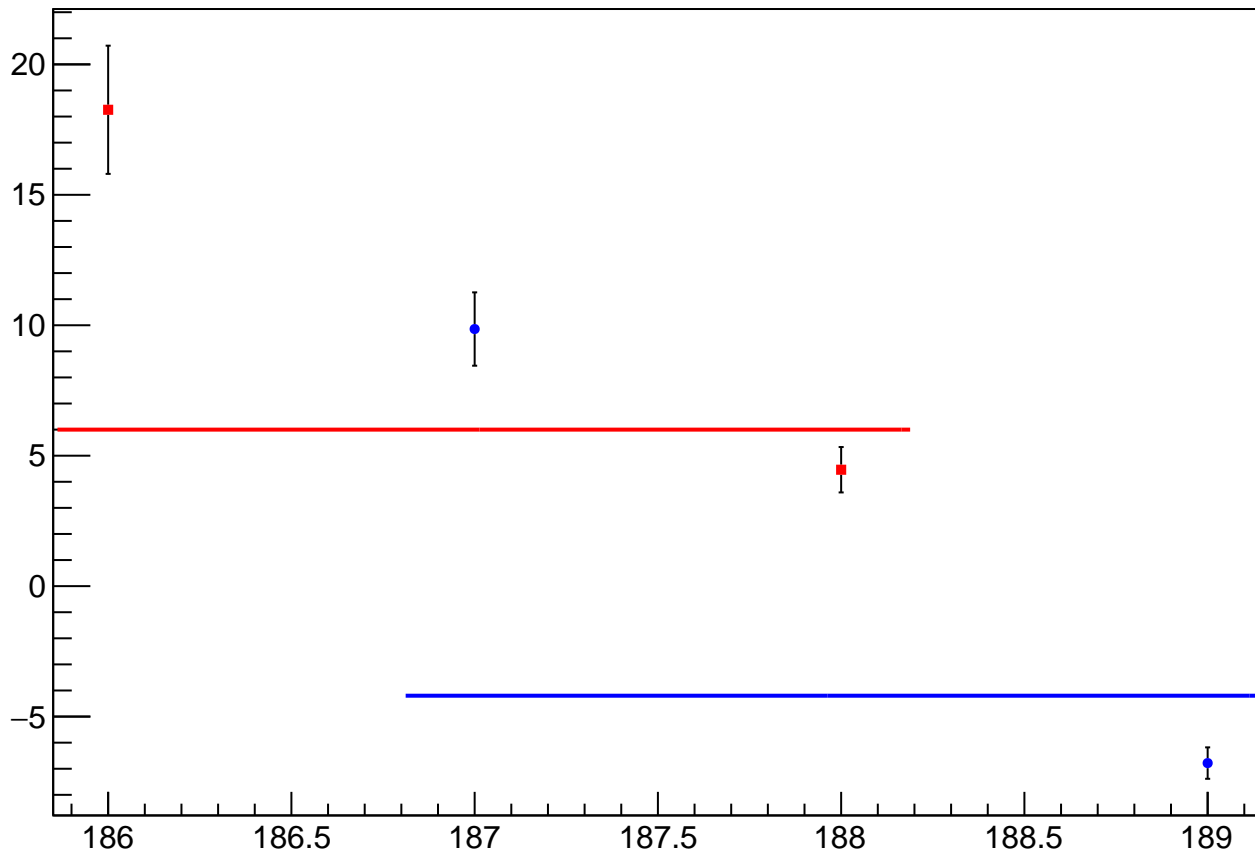
Right:  $-1.599 \pm 0.341$   $\chi^2/\text{NDF}: 166.0/3$

In:  $-0.453 \pm 0.465$   $\chi^2/\text{NDF}: 18.7/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.599 \pm 0.341$   $\chi^2/\text{NDF}: 166.0/3$

reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-4.200 \pm 0.554$   $\chi^2/\text{NDF}: 118.4/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $5.999 \pm 0.820$   $\chi^2/\text{NDF}: 28.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

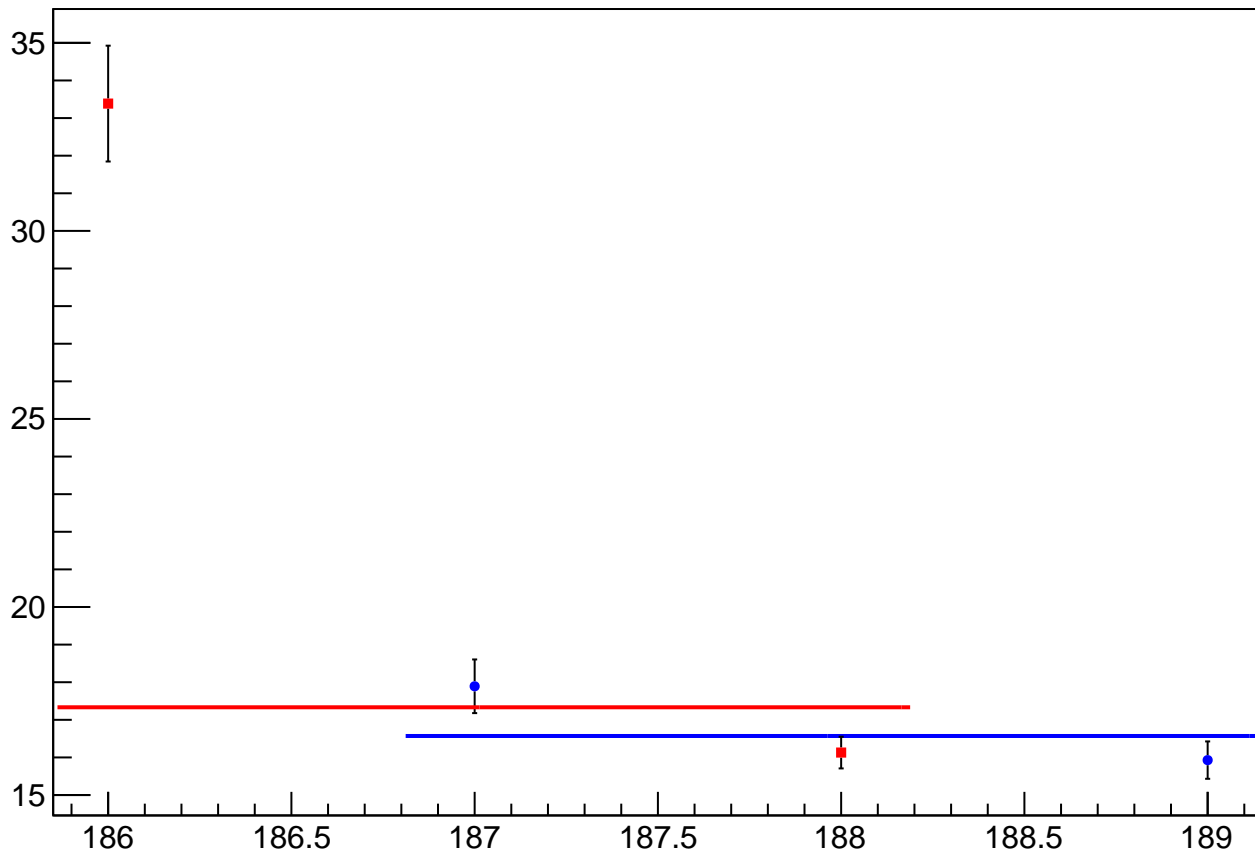
Right:  $-1.007 \pm 0.459$   $\chi^2/\text{NDF}: 252.6/3$

In:  $-4.200 \pm 0.554$   $\chi^2/\text{NDF}: 118.4/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-1.007 \pm 0.459$   $\chi^2/\text{NDF}: 252.6/3$

# reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 16.570 $\pm$ 0.408  $\chi^2$ /NDF: 5.1/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 17.333 $\pm$ 0.407  $\chi^2$ /NDF: 116.8/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

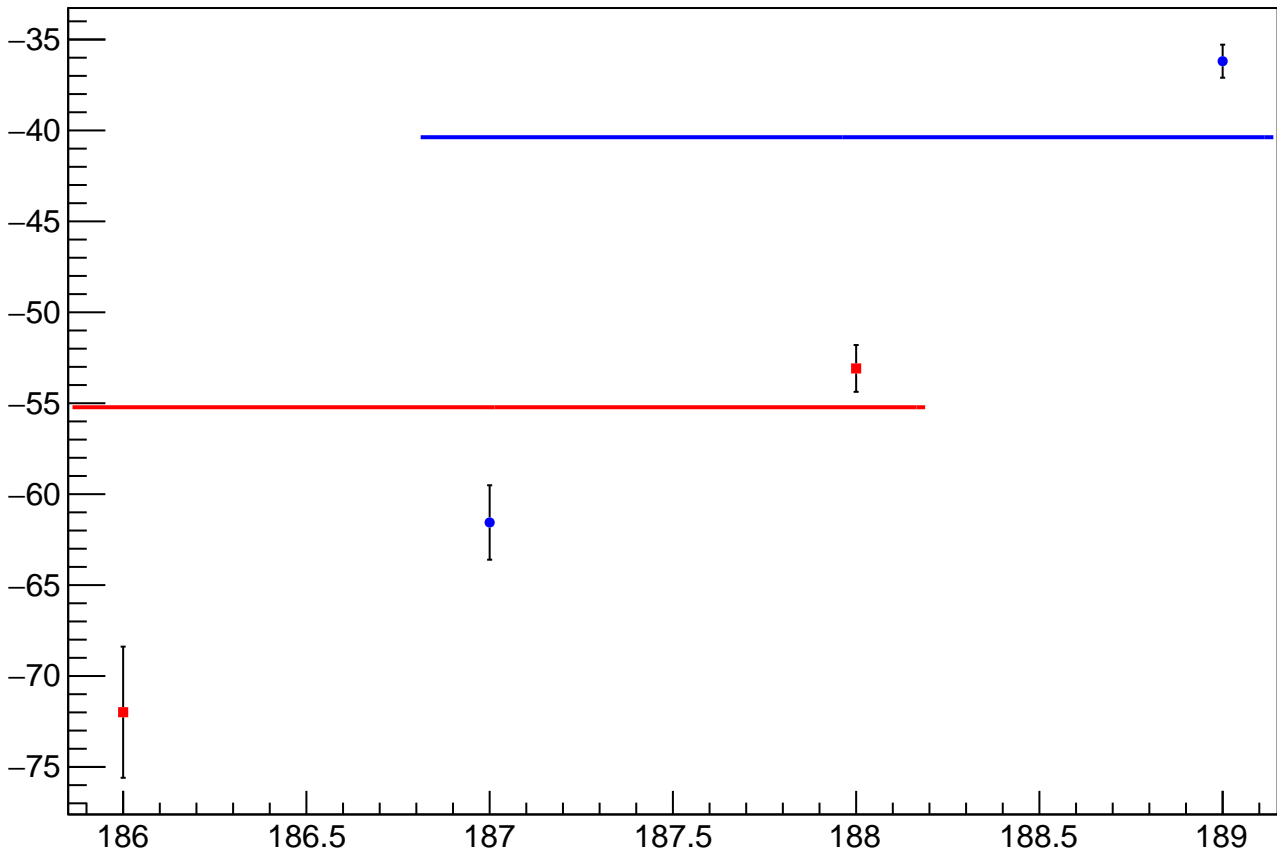
Right: 16.953 $\pm$ 0.288  $\chi^2$ /NDF: 123.6/3

In: 16.570 $\pm$ 0.408  $\chi^2$ /NDF:5.1/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 16.953 $\pm$ 0.288  $\chi^2$ /NDF: 123.6/3

# reg\_asym\_sam\_37\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-40.372 \pm 0.831$   $\chi^2/\text{NDF}: 128.3/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-55.221 \pm 1.212$   $\chi^2/\text{NDF}: 24.4/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

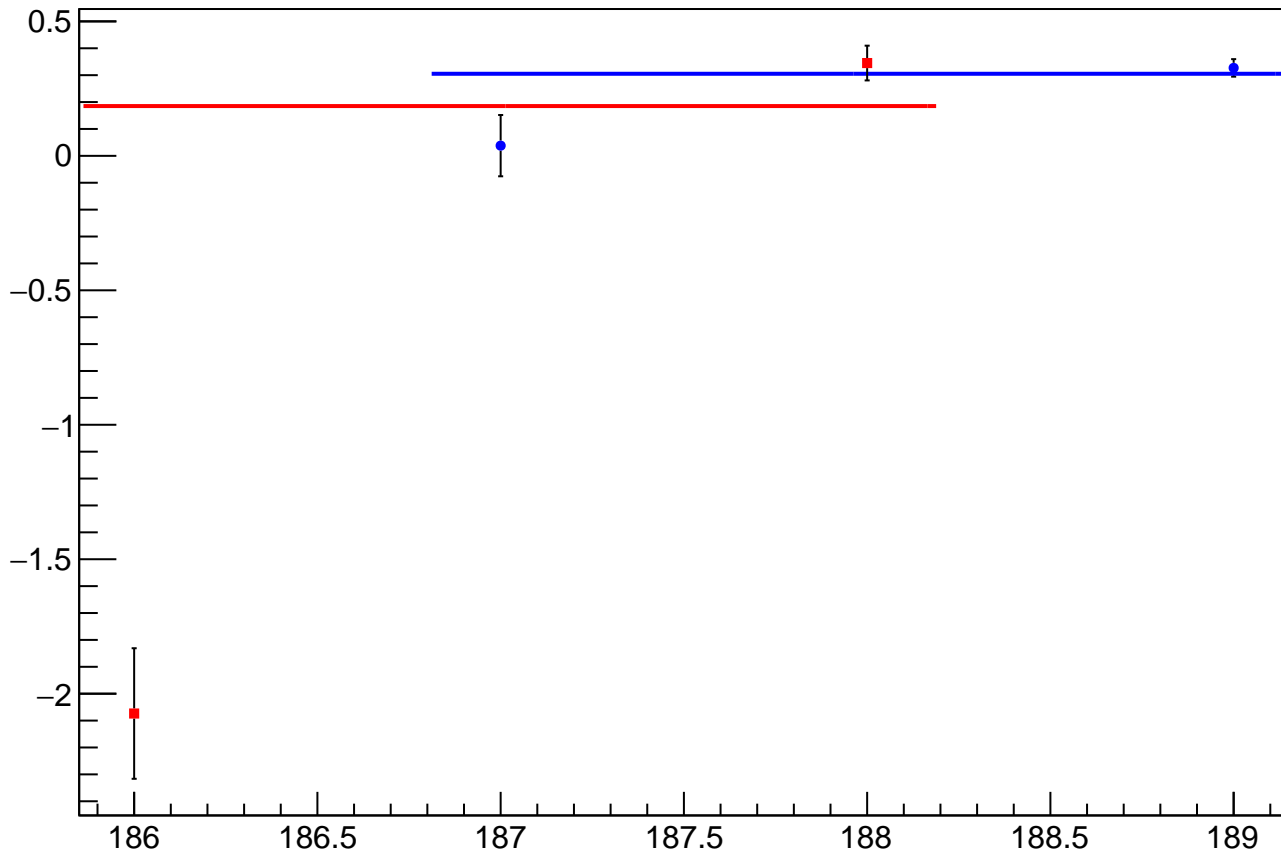
Right:  $-45.120 \pm 0.685$   $\chi^2/\text{NDF}: 254.8/3$

In:  $-40.372 \pm 0.831$   $\chi^2/\text{NDF}: 128.3/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-45.120 \pm 0.685$   $\chi^2/\text{NDF}: 254.8/3$

reg\_asym\_sam\_37\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.305 $\pm$ 0.031  $\chi^2$ /NDF: 6.0/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.185 $\pm$ 0.062  $\chi^2$ /NDF: 92.7/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

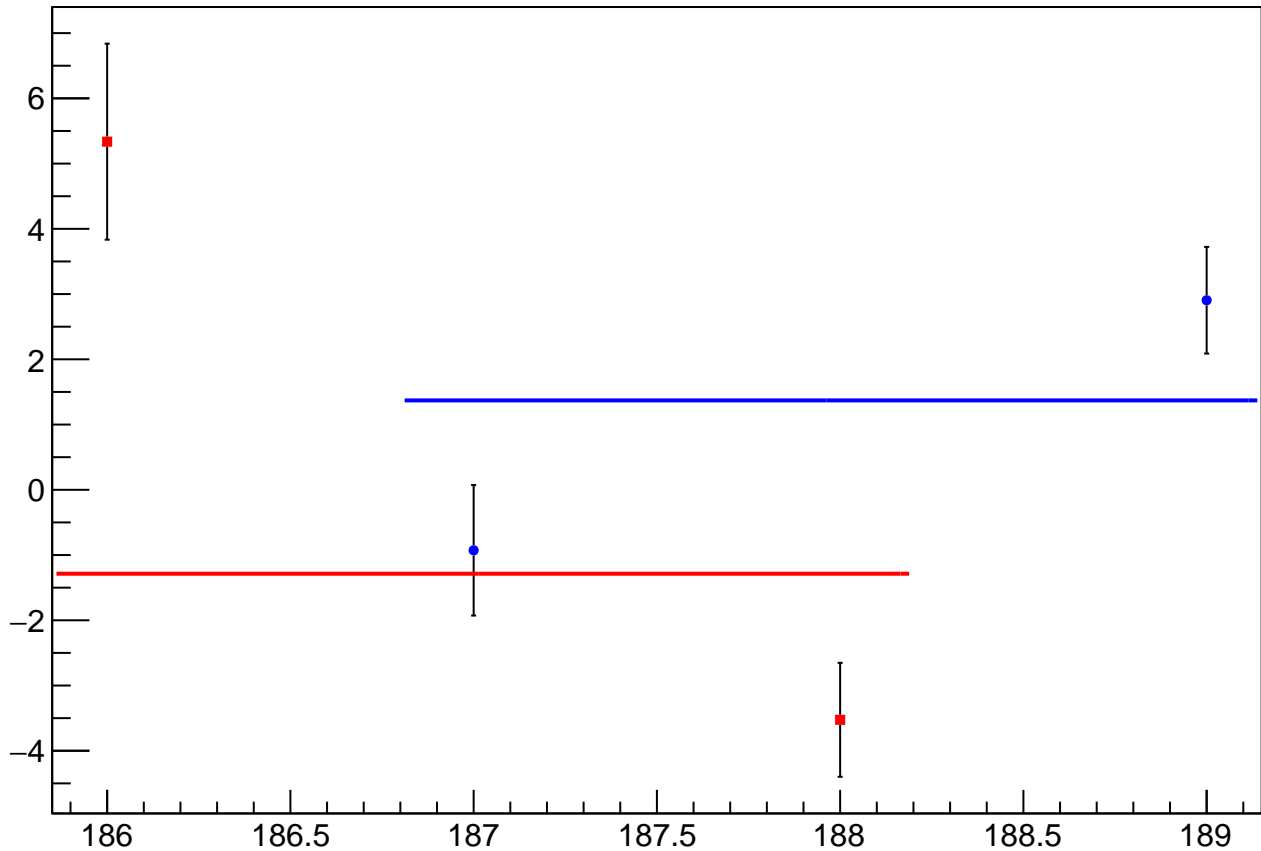
Right: 0.281 $\pm$ 0.028  $\chi^2$ /NDF: 101.6/3

In: 0.305 $\pm$ 0.031  $\chi^2$ /NDF:6.0/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.281 $\pm$ 0.028  $\chi^2$ /NDF: 101.6/3

# reg\_asym\_sam\_15\_26\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $1.370 \pm 0.633$   $\chi^2/\text{NDF}: 8.8/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.286 \pm 0.755$   $\chi^2/\text{NDF}: 26.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

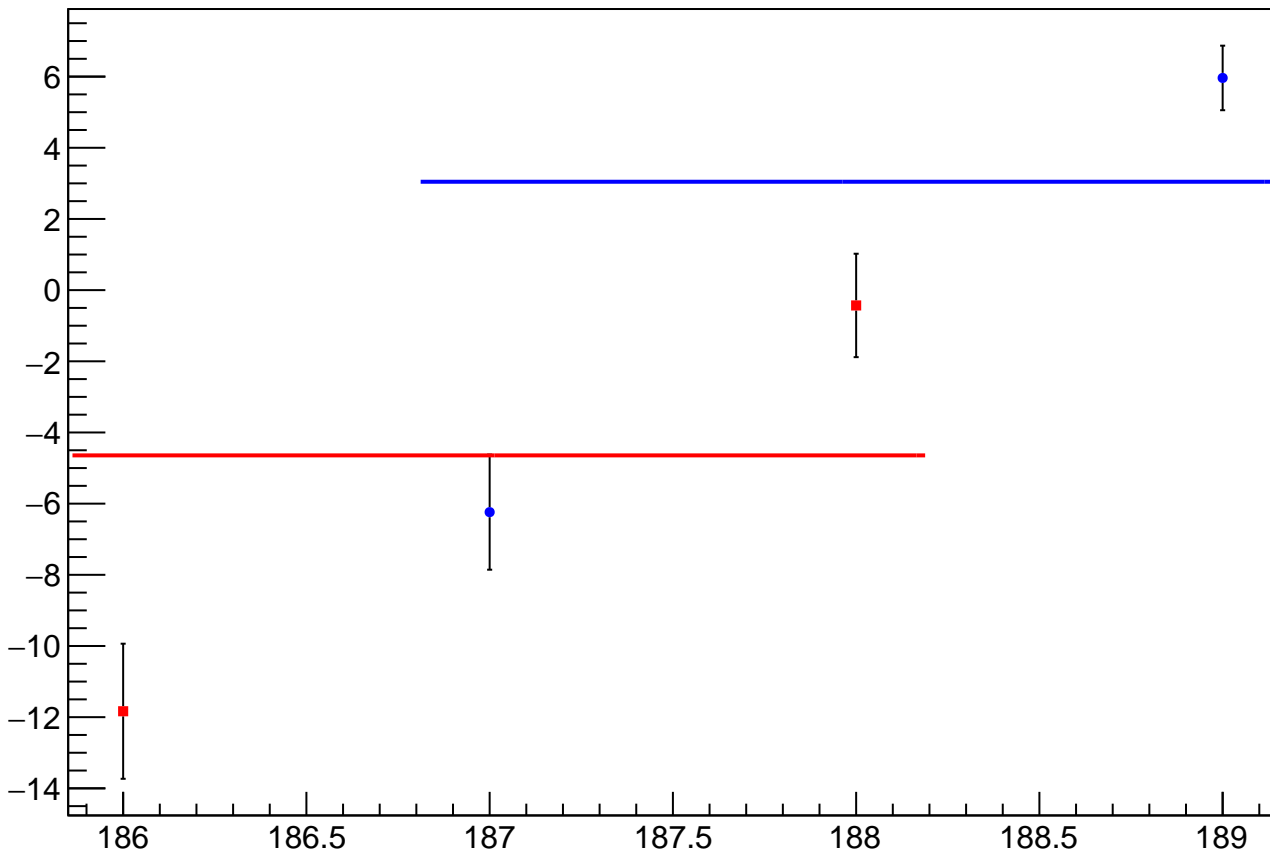
Right:  $0.274 \pm 0.485$   $\chi^2/\text{NDF}: 42.1/3$

In:  $1.370 \pm 0.633$   $\chi^2/\text{NDF}: 8.8/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $0.274 \pm 0.485$   $\chi^2/\text{NDF}: 42.1/3$

# reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.045+/-0.791  $\chi^2$ /NDF: 43.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -4.644+/-1.154  $\chi^2$ /NDF: 22.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

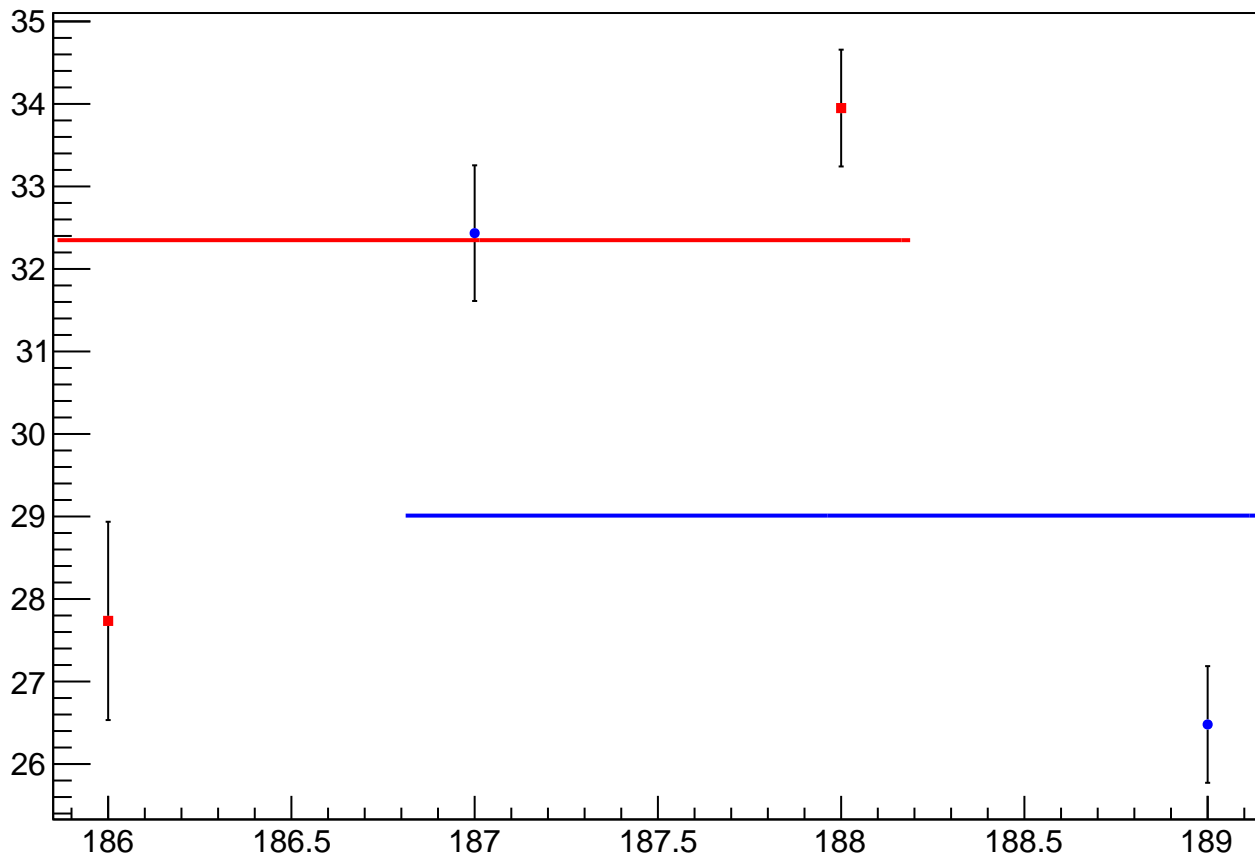
Right: 0.587+/-0.652  $\chi^2$ /NDF: 96.2/3

In: 3.045+/-0.791  $\chi^2$ /NDF:43.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.587+/-0.652  $\chi^2$ /NDF: 96.2/3

# reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 29.011+/-0.536  $\chi^2$ /NDF: 30.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 32.349+/-0.610  $\chi^2$ /NDF: 19.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 30.466+/-0.403  $\chi^2$ /NDF: 66.9/3

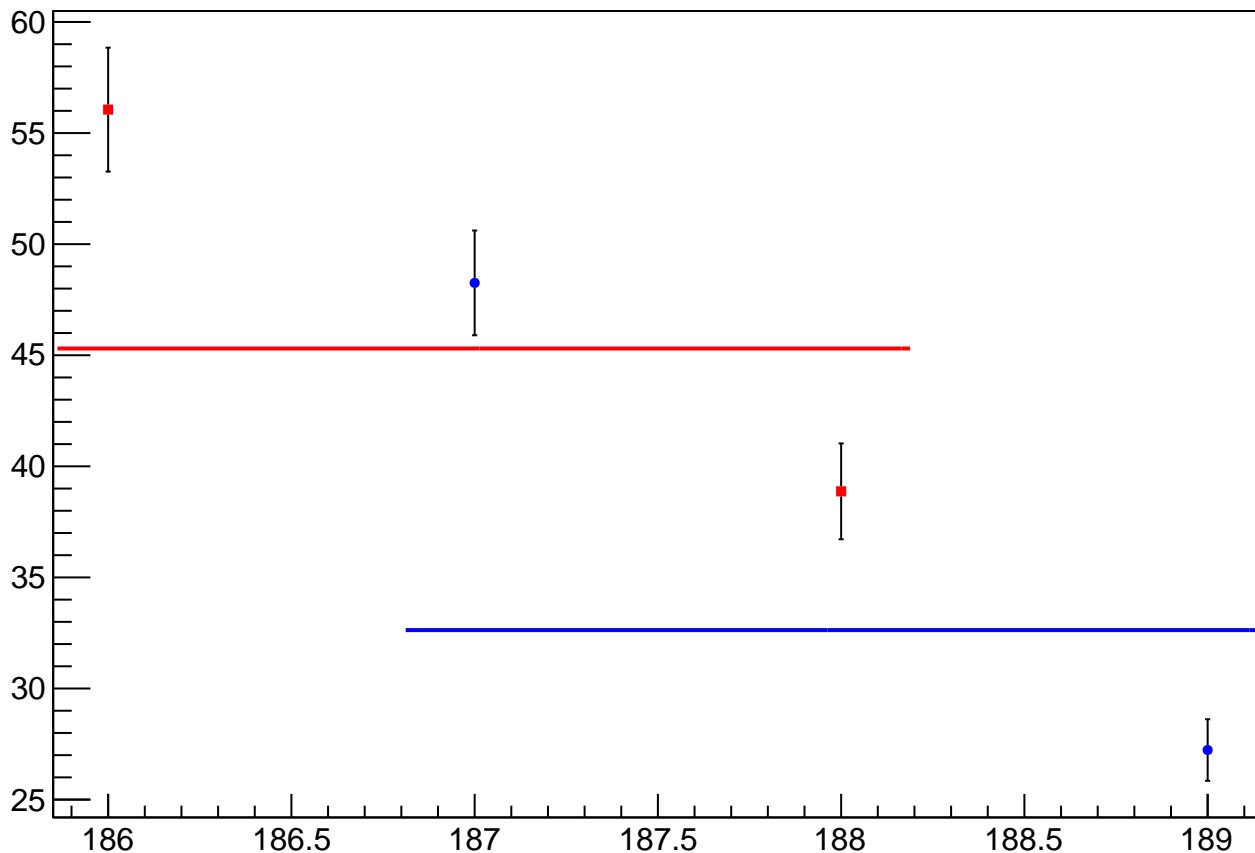
In: 29.011+/-0.536  $\chi^2$ /NDF:30.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 30.466+/-0.403  $\chi^2$ /NDF: 66.9/3



reg\_asym\_sam\_15\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 32.628+/-1.195  $\chi^2$ /NDF: 59.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 45.303+/-1.706  $\chi^2$ /NDF: 23.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

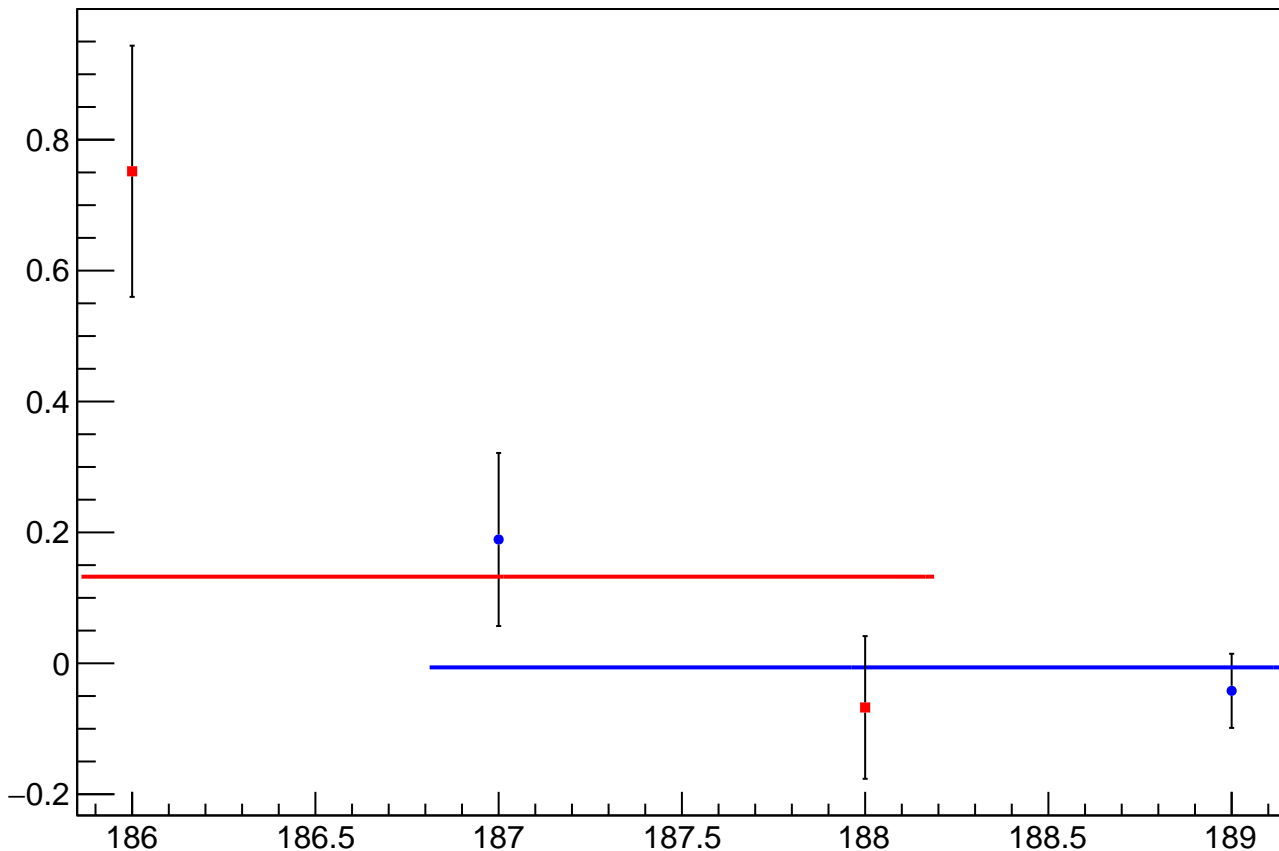
Right: 36.799+/-0.979  $\chi^2$ /NDF: 119.9/3

In: 32.628+/-1.195  $\chi^2$ /NDF:59.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 36.799+/-0.979  $\chi^2$ /NDF: 119.9/3

# reg\_asym\_sam\_15\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.052  $\chi^2$ /NDF: 2.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.132+/-0.095  $\chi^2$ /NDF: 13.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

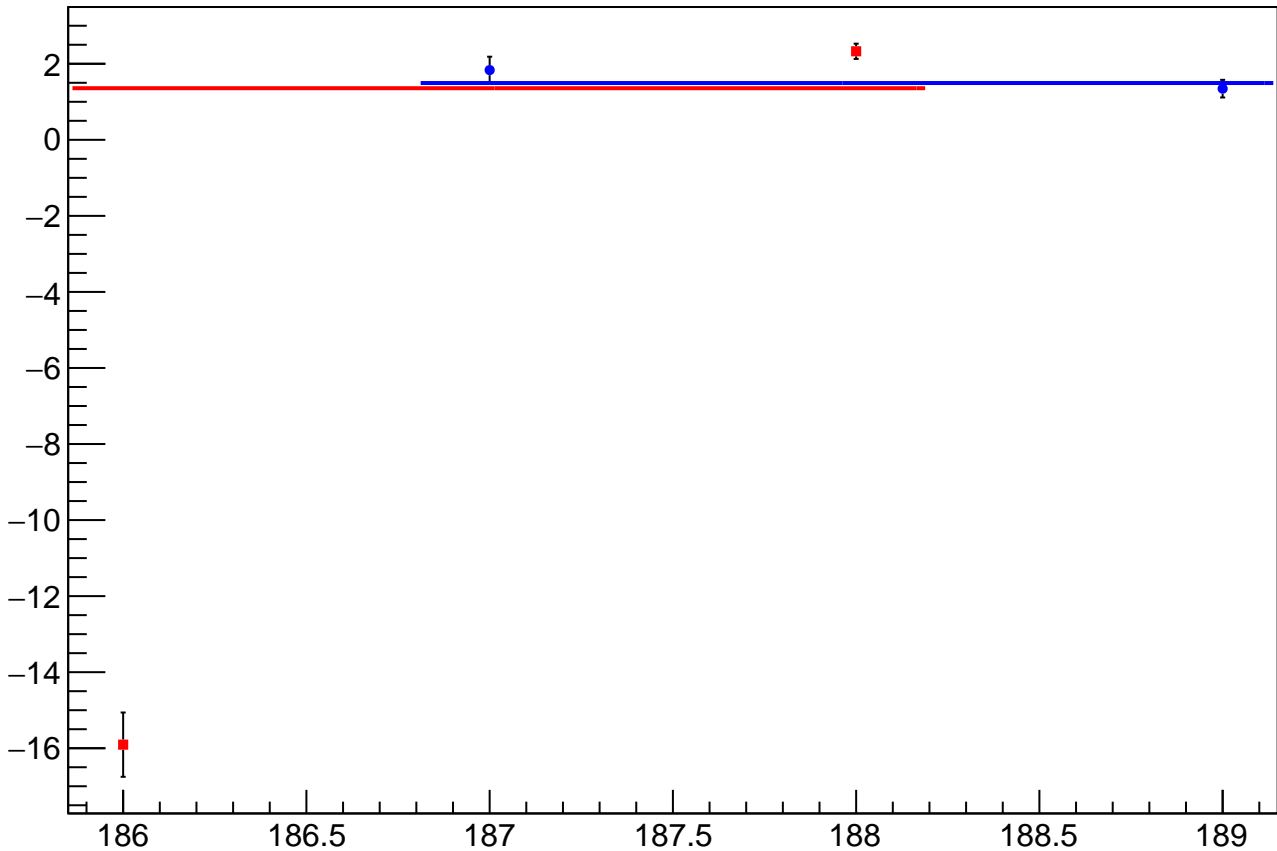
Right: 0.026+/-0.046  $\chi^2$ /NDF: 18.0/3

In: -0.006+/-0.052  $\chi^2$ /NDF:2.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.026+/-0.046  $\chi^2$ /NDF: 18.0/3

# reg\_asym\_sam\_37\_26\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 1.494+/-0.194  $\chi^2$ /NDF: 1.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 1.357+/-0.195  $\chi^2$ /NDF: 440.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

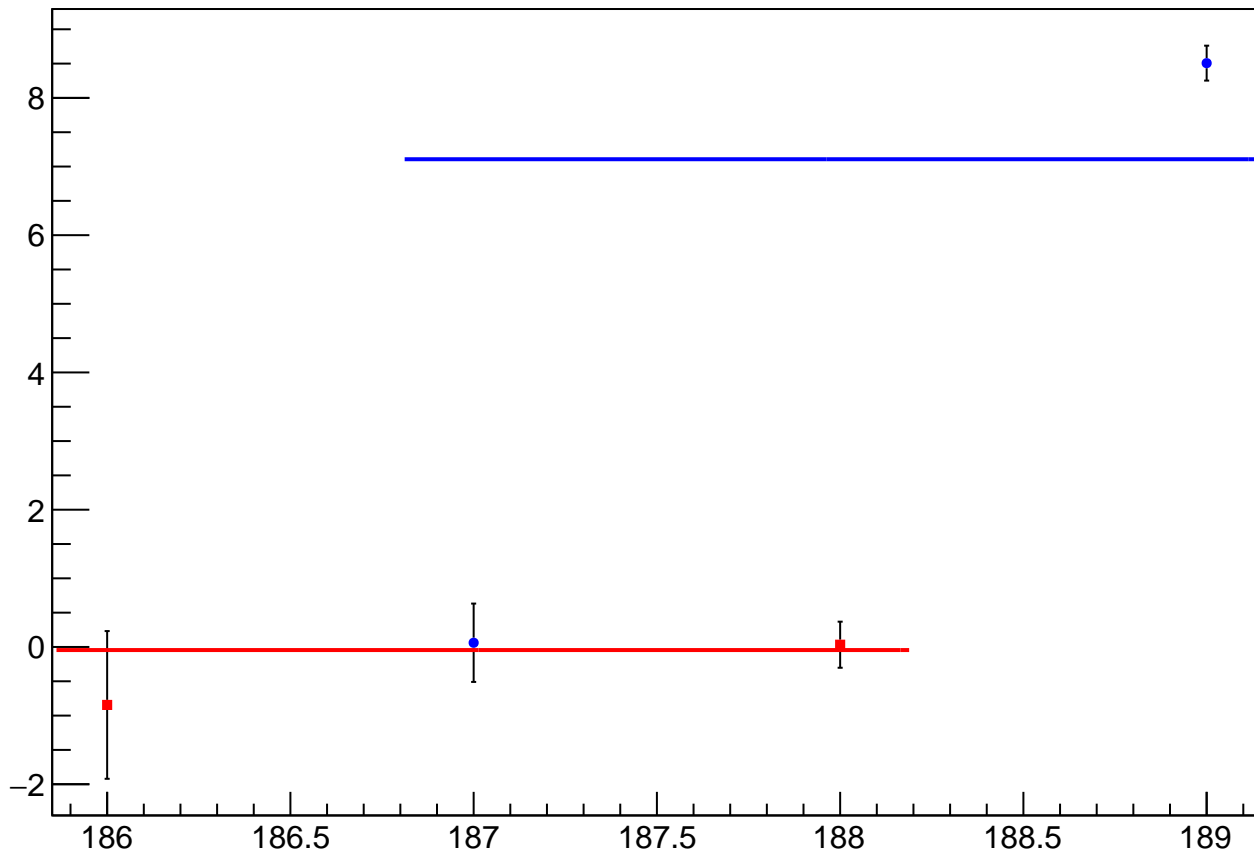
Right: 1.426+/-0.137  $\chi^2$ /NDF: 442.0/3

In: 1.494+/-0.194  $\chi^2$ /NDF:1.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.426+/-0.137  $\chi^2$ /NDF: 442.0/3

# reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.107+/-0.232  $\chi^2$ /NDF: 182.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.045+/-0.320  $\chi^2$ /NDF: 0.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

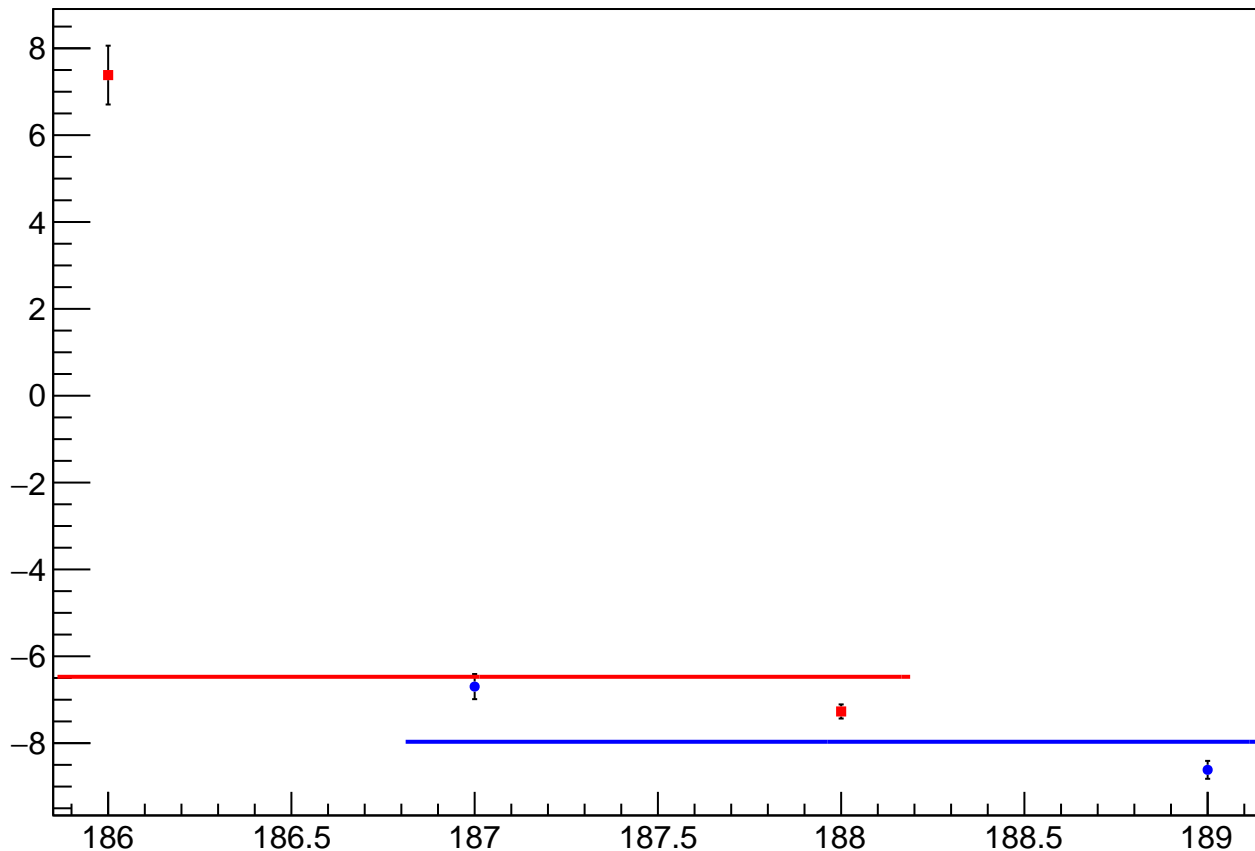
Right: 4.641+/-0.188  $\chi^2$ /NDF: 509.6/3

In: 7.107+/-0.232  $\chi^2$ /NDF:182.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 4.641+/-0.188  $\chi^2$ /NDF: 509.6/3

# reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-7.968 \pm 0.168$   $\chi^2/\text{NDF}: 29.1/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.472 \pm 0.158$   $\chi^2/\text{NDF}: 442.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

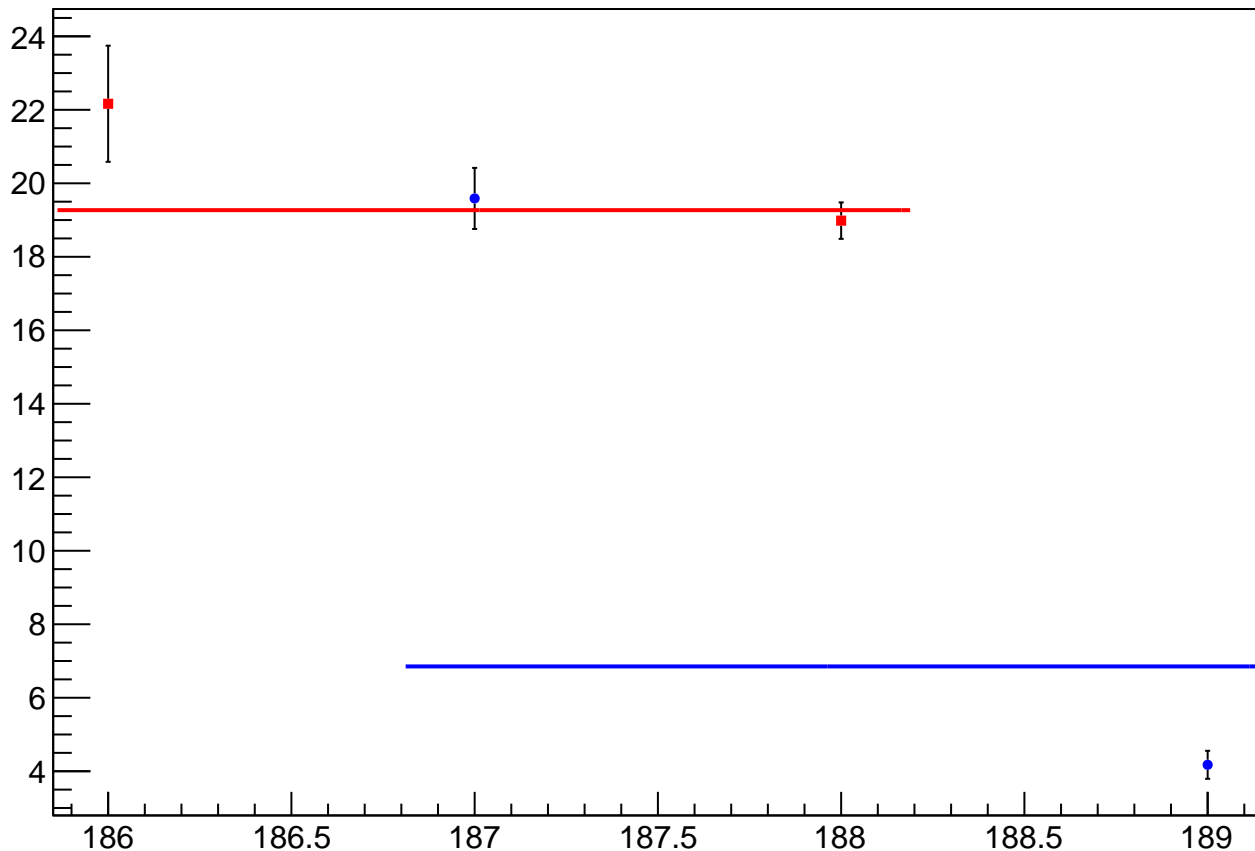
Right:  $-7.175 \pm 0.115$   $\chi^2/\text{NDF}: 513.8/3$

In:  $-7.968 \pm 0.168$   $\chi^2/\text{NDF}: 29.1/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-7.175 \pm 0.115$   $\chi^2/\text{NDF}: 513.8/3$

# reg\_asym\_sam\_37\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 6.852+/-0.346  $\chi^2$ /NDF: 284.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 19.269+/-0.473  $\chi^2$ /NDF: 3.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

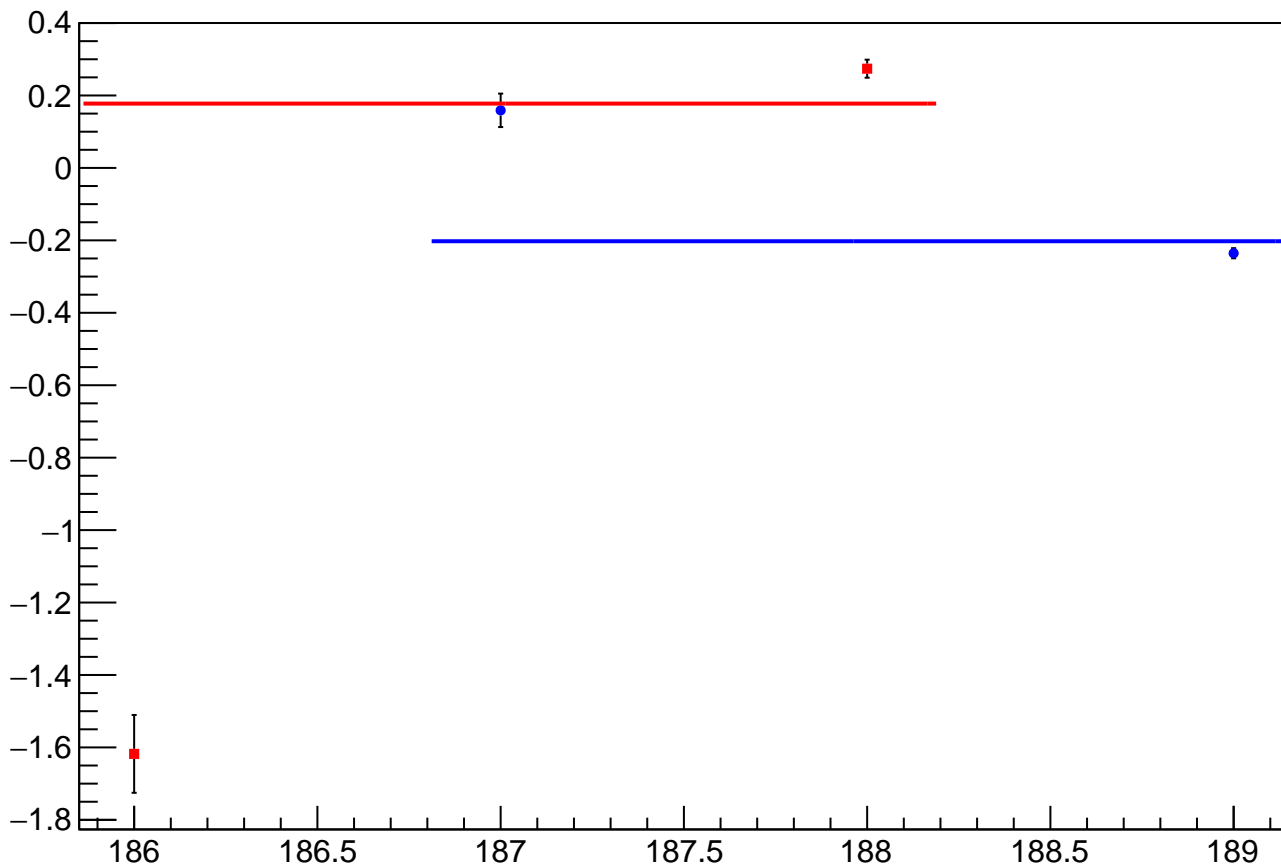
Right: 11.183+/-0.280  $\chi^2$ /NDF: 735.9/3

In: 6.852+/-0.346  $\chi^2$ /NDF:284.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 11.183+/-0.280  $\chi^2$ /NDF: 735.9/3

reg\_asym\_sam\_37\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.202+/-0.013  $\chi^2$ /NDF: 66.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.178+/-0.024  $\chi^2$ /NDF: 294.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

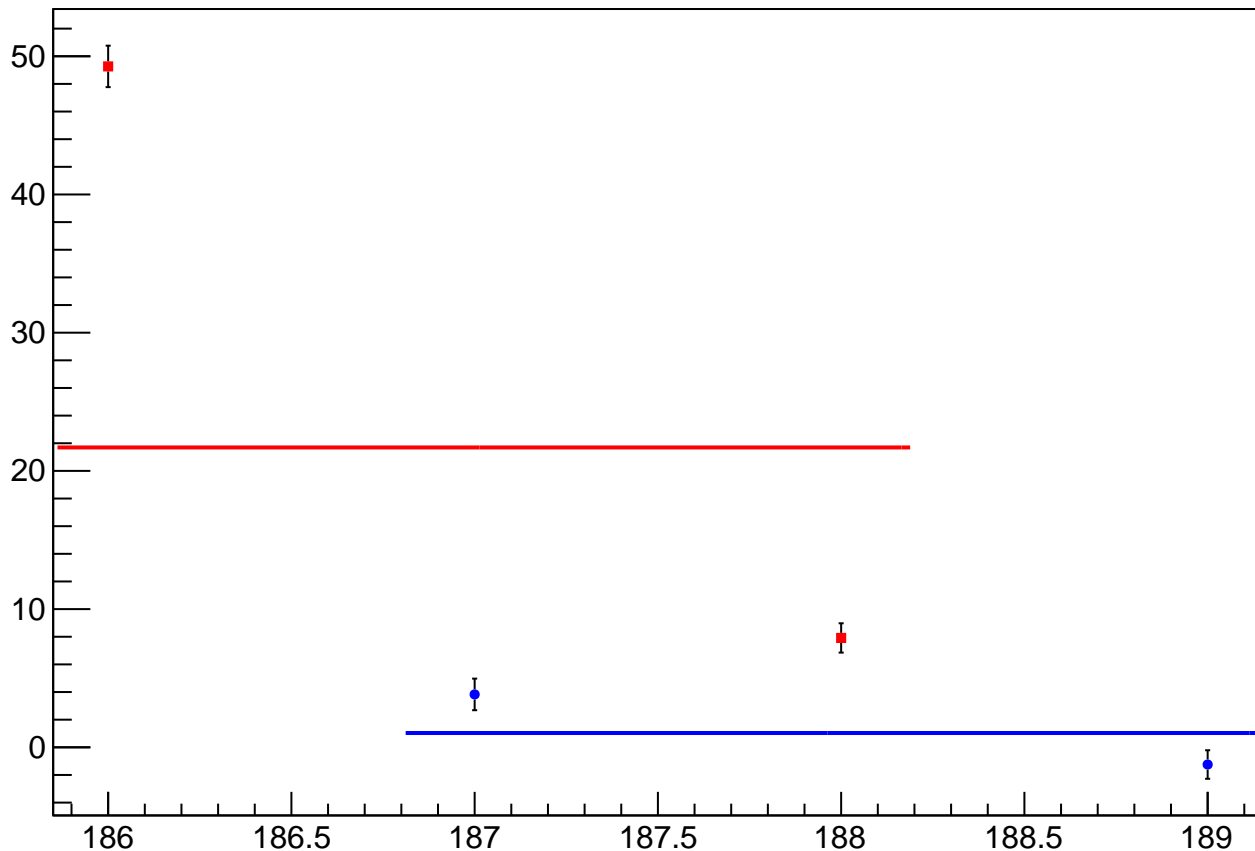
Right: -0.114+/-0.012  $\chi^2$ /NDF: 549.3/3

In: -0.202+/-0.013  $\chi^2$ /NDF:66.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -0.114+/-0.012  $\chi^2$ /NDF: 549.3/3

# reg\_asym\_sam\_1357\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 1.036+/-0.766  $\chi^2$ /NDF: 10.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 21.697+/-0.866  $\chi^2$ /NDF: 506.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 10.110+/-0.574  $\chi^2$ /NDF: 837.0/3

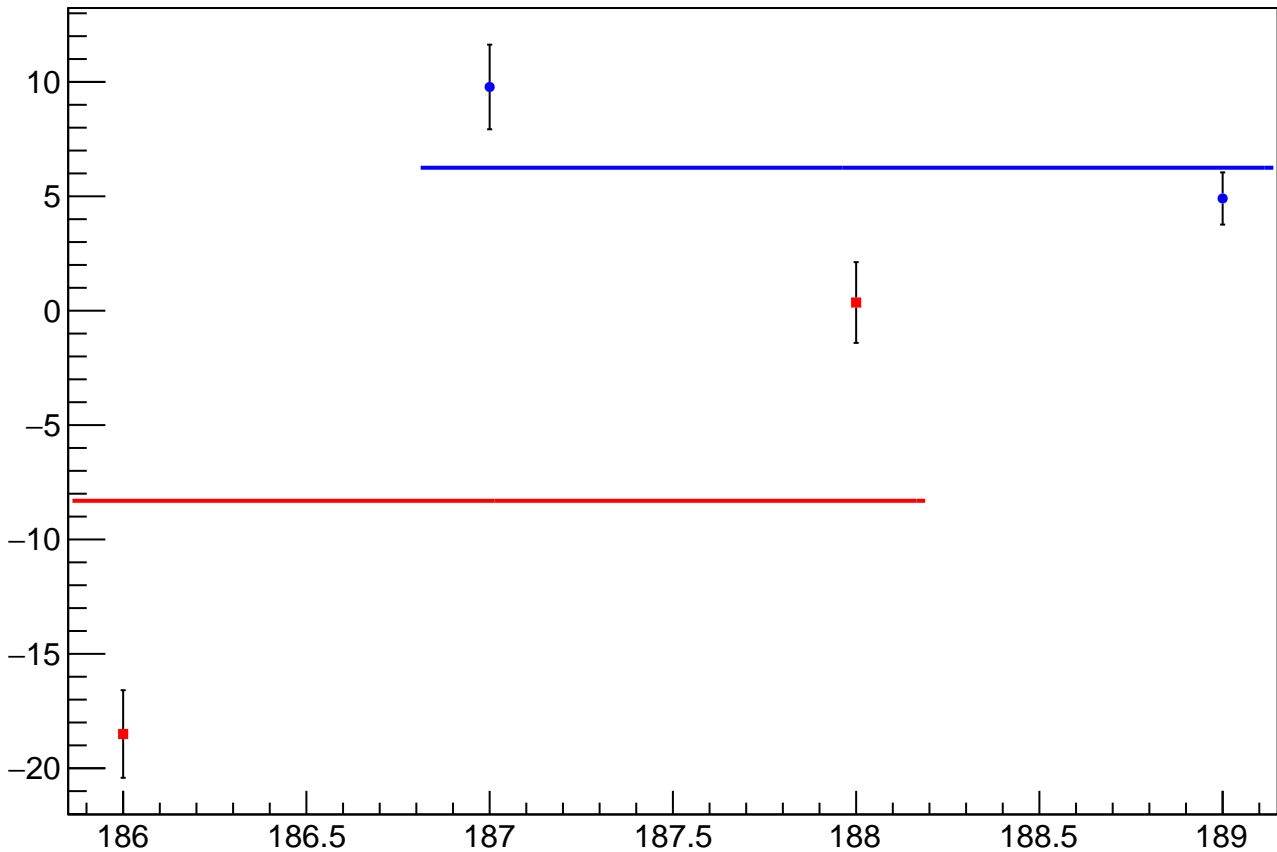
In: 1.036+/-0.766  $\chi^2$ /NDF:10.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 10.110+/-0.574  $\chi^2$ /NDF: 837.0/3



# reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.249+/-0.971  $\chi^2$ /NDF: 5.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -8.309+/-1.298  $\chi^2$ /NDF: 52.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

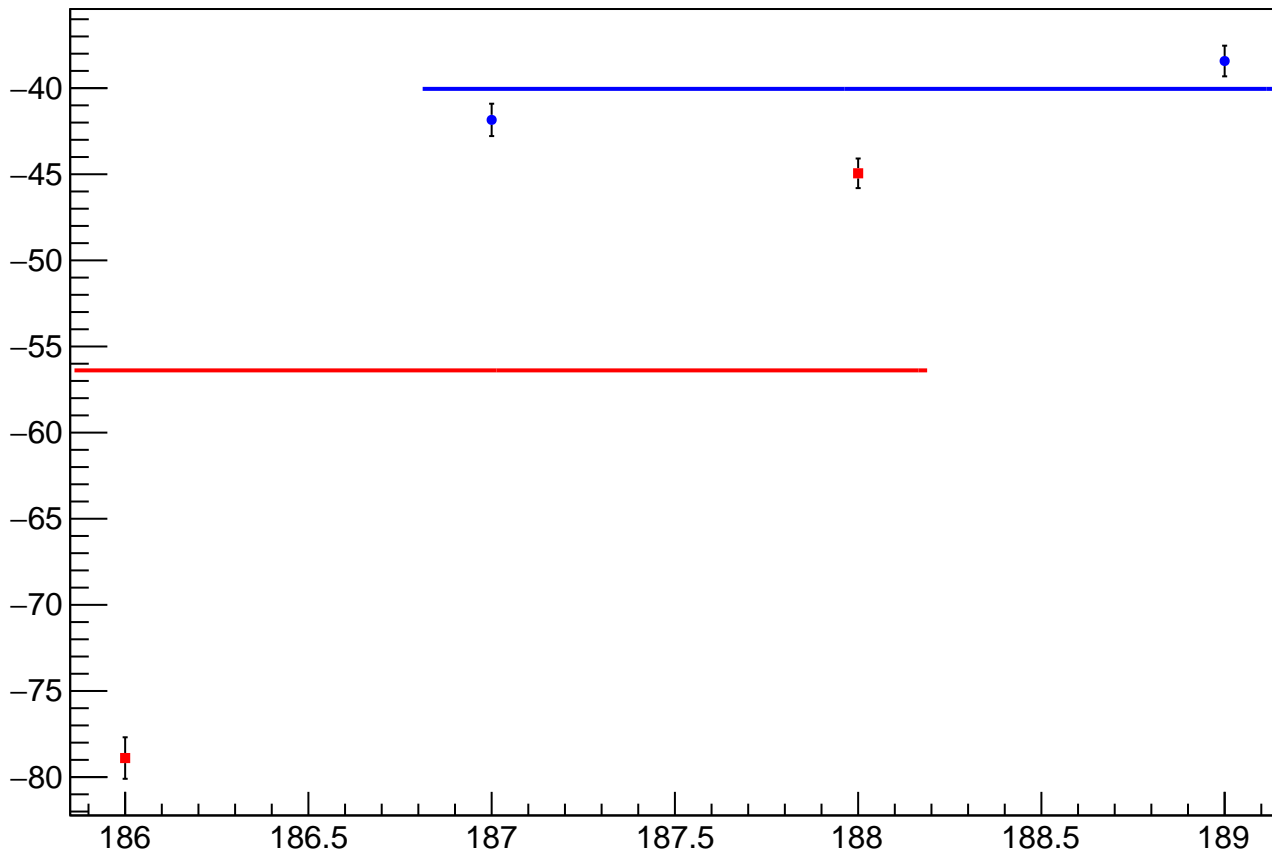
Right: 1.022+/-0.778  $\chi^2$ /NDF: 138.2/3

In: 6.249+/-0.971  $\chi^2$ /NDF:5.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.022+/-0.778  $\chi^2$ /NDF: 138.2/3

# reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-40.043 \pm 0.646$   $\chi^2/\text{NDF}: 7.0/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-56.387 \pm 0.700$   $\chi^2/\text{NDF}: 526.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

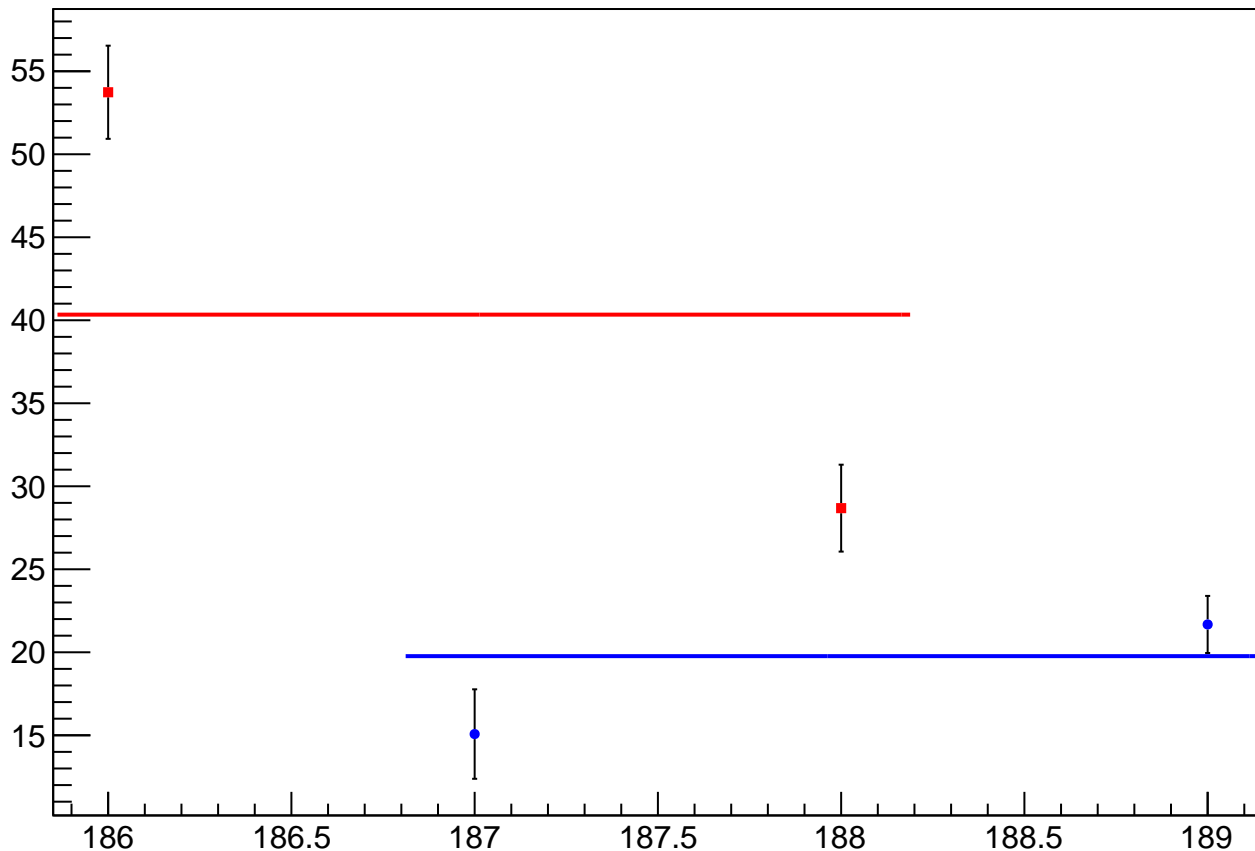
Right:  $-47.567 \pm 0.475$   $\chi^2/\text{NDF}: 827.4/3$

In:  $-40.043 \pm 0.646$   $\chi^2/\text{NDF}: 7.0/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-47.567 \pm 0.475$   $\chi^2/\text{NDF}: 827.4/3$

# reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 19.767+/-1.449  $\chi^2$ /NDF: 4.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 40.339+/-1.914  $\chi^2$ /NDF: 42.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

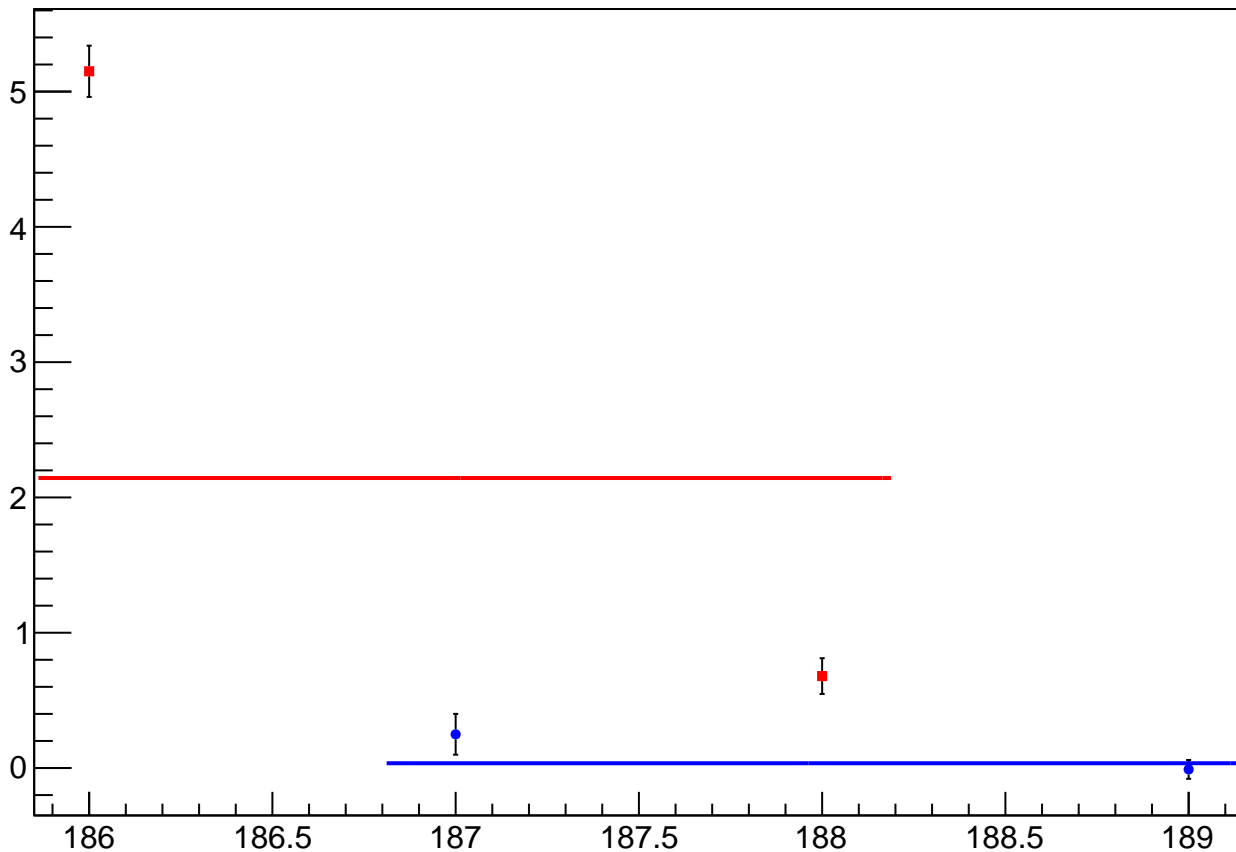
Right: 27.263+/-1.155  $\chi^2$ /NDF: 120.3/3

In: 19.767+/-1.449  $\chi^2$ /NDF:4.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 27.263+/-1.155  $\chi^2$ /NDF: 120.3/3

# reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.035+/-0.063  $\chi^2$ /NDF: 2.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.144+/-0.108  $\chi^2$ /NDF: 374.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

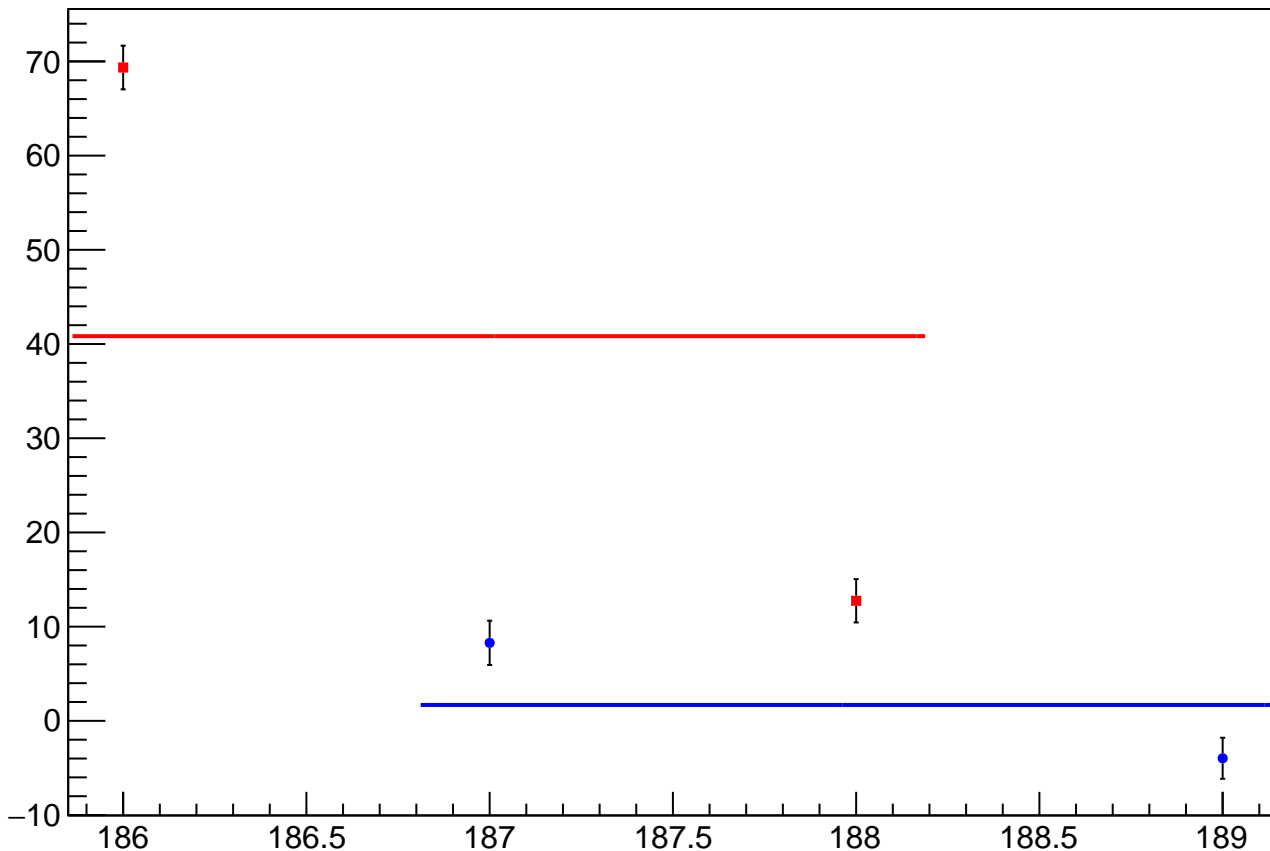
Right: 0.570+/-0.055  $\chi^2$ /NDF: 659.5/3

In: 0.035+/-0.063  $\chi^2$ /NDF:2.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.570+/-0.055  $\chi^2$ /NDF: 659.5/3

# reg\_asym\_sam\_2468\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 1.687+/-1.598  $\chi^2$ /NDF: 14.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 40.834+/-1.632  $\chi^2$ /NDF: 300.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

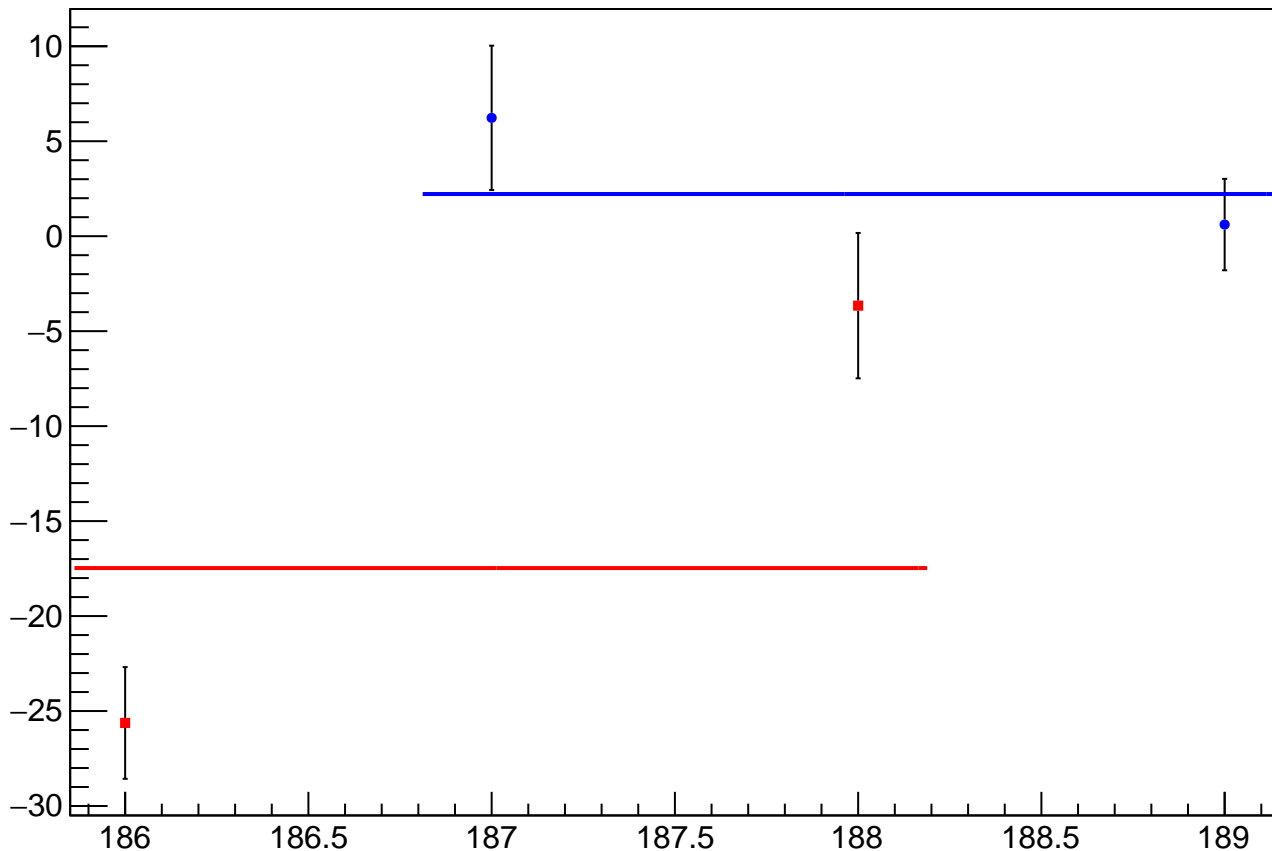
Right: 20.838+/-1.142  $\chi^2$ /NDF: 609.0/3

In: 1.687+/-1.598  $\chi^2$ /NDF:14.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 20.838+/-1.142  $\chi^2$ /NDF: 609.0/3

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.219+/-2.033  $\chi^2$ /NDF: 1.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -17.473+/-2.331  $\chi^2$ /NDF: 20.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

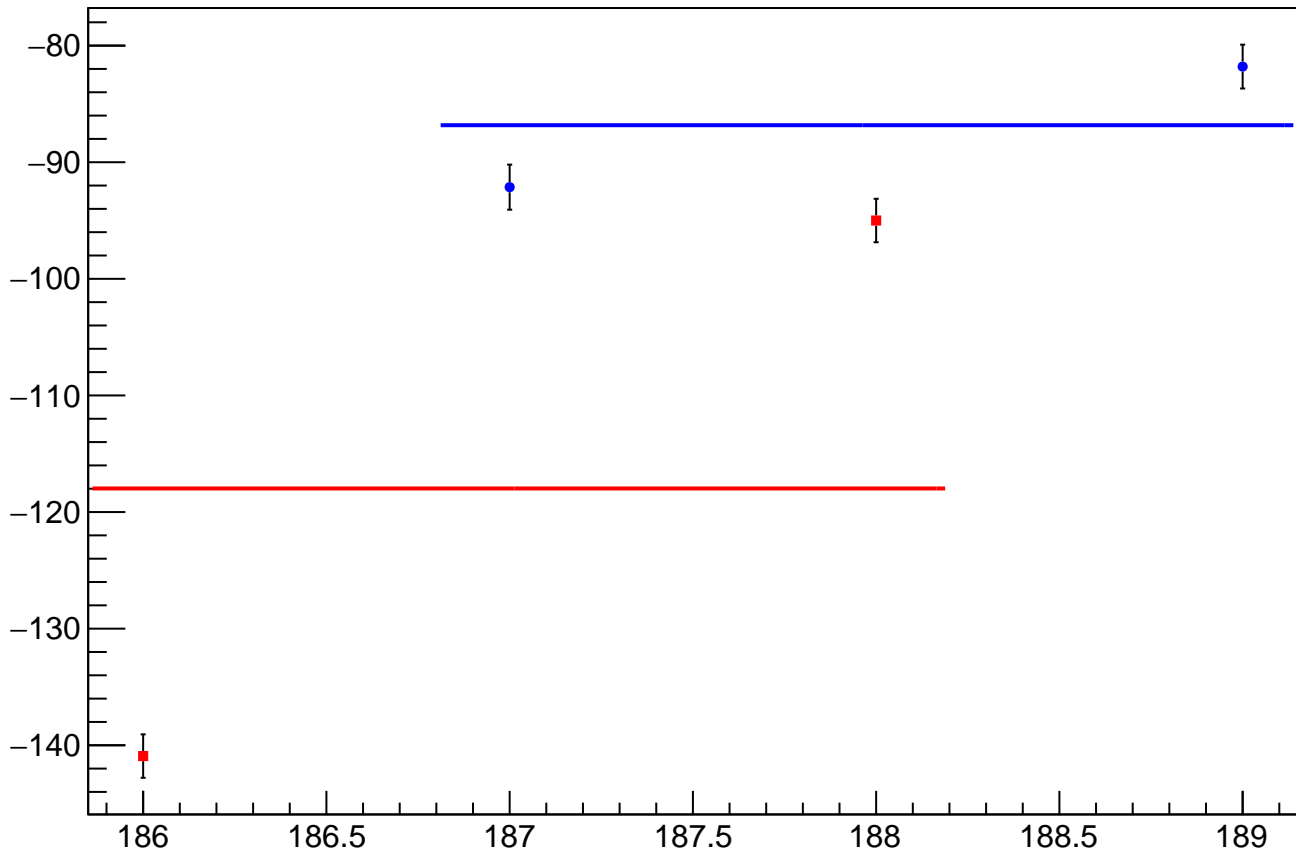
Right: -6.287+/-1.532  $\chi^2$ /NDF: 62.8/3

In: 2.219+/-2.033  $\chi^2$ /NDF:1.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -6.287+/-1.532  $\chi^2$ /NDF: 62.8/3

# reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-86.825 \pm 1.347$   $\chi^2/\text{NDF}: 14.7/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-117.977 \pm 1.317$   $\chi^2/\text{NDF}: 303.8/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

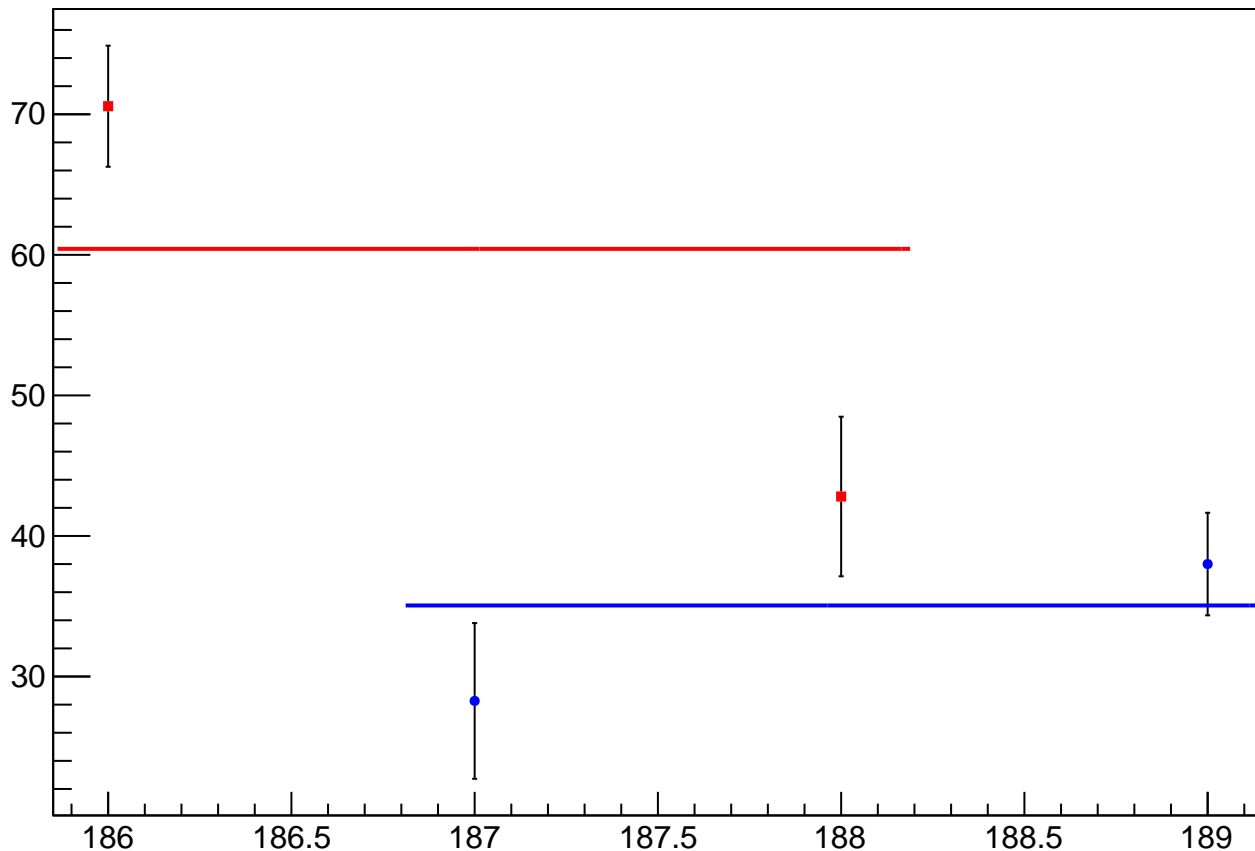
Right:  $-102.749 \pm 0.942$   $\chi^2/\text{NDF}: 591.9/3$

In:  $-86.825 \pm 1.347$   $\chi^2/\text{NDF}: 14.7/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-102.749 \pm 0.942$   $\chi^2/\text{NDF}: 591.9/3$

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 35.055+/-3.047  $\chi^2$ /NDF: 2.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 60.427+/-3.432  $\chi^2$ /NDF: 15.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 46.240+/-2.279  $\chi^2$ /NDF: 47.9/3

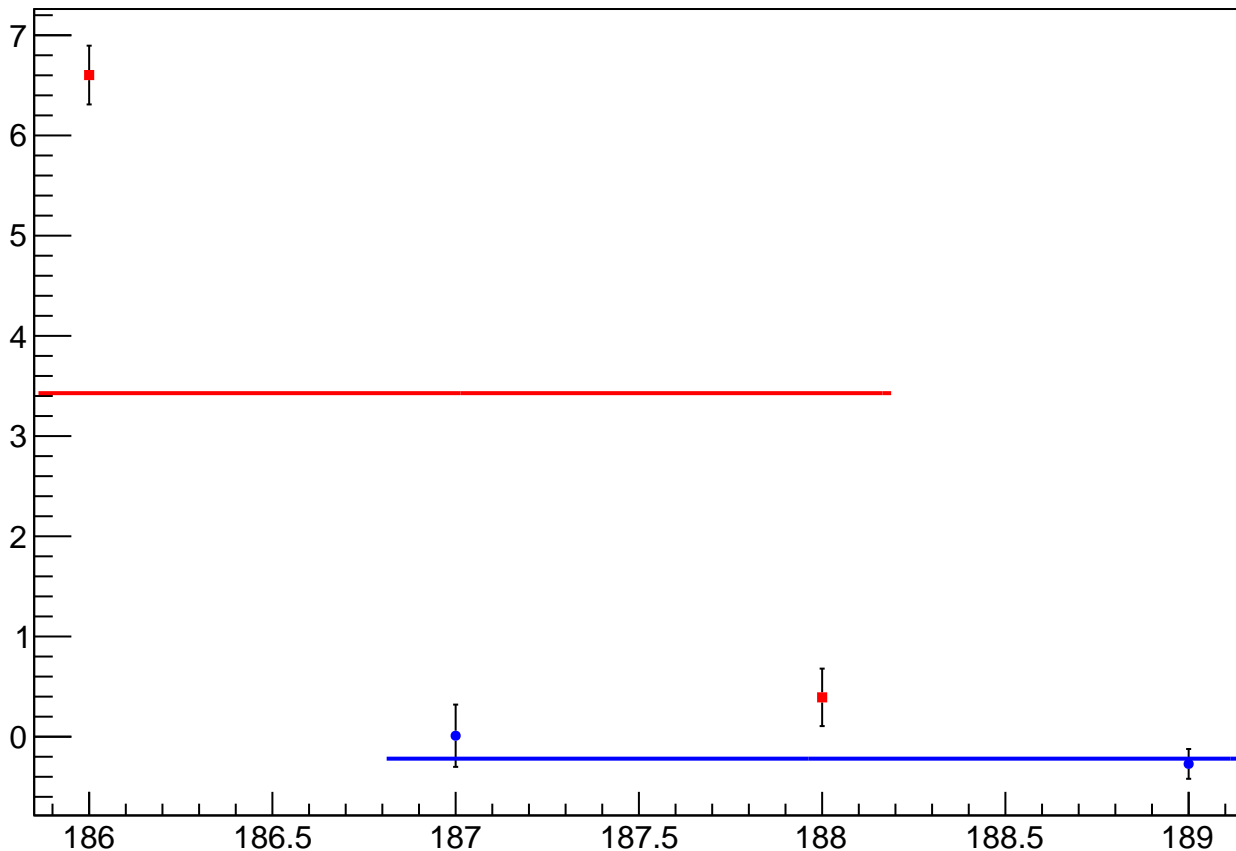
In: 35.055+/-3.047  $\chi^2$ /NDF:2.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 46.240+/-2.279  $\chi^2$ /NDF: 47.9/3



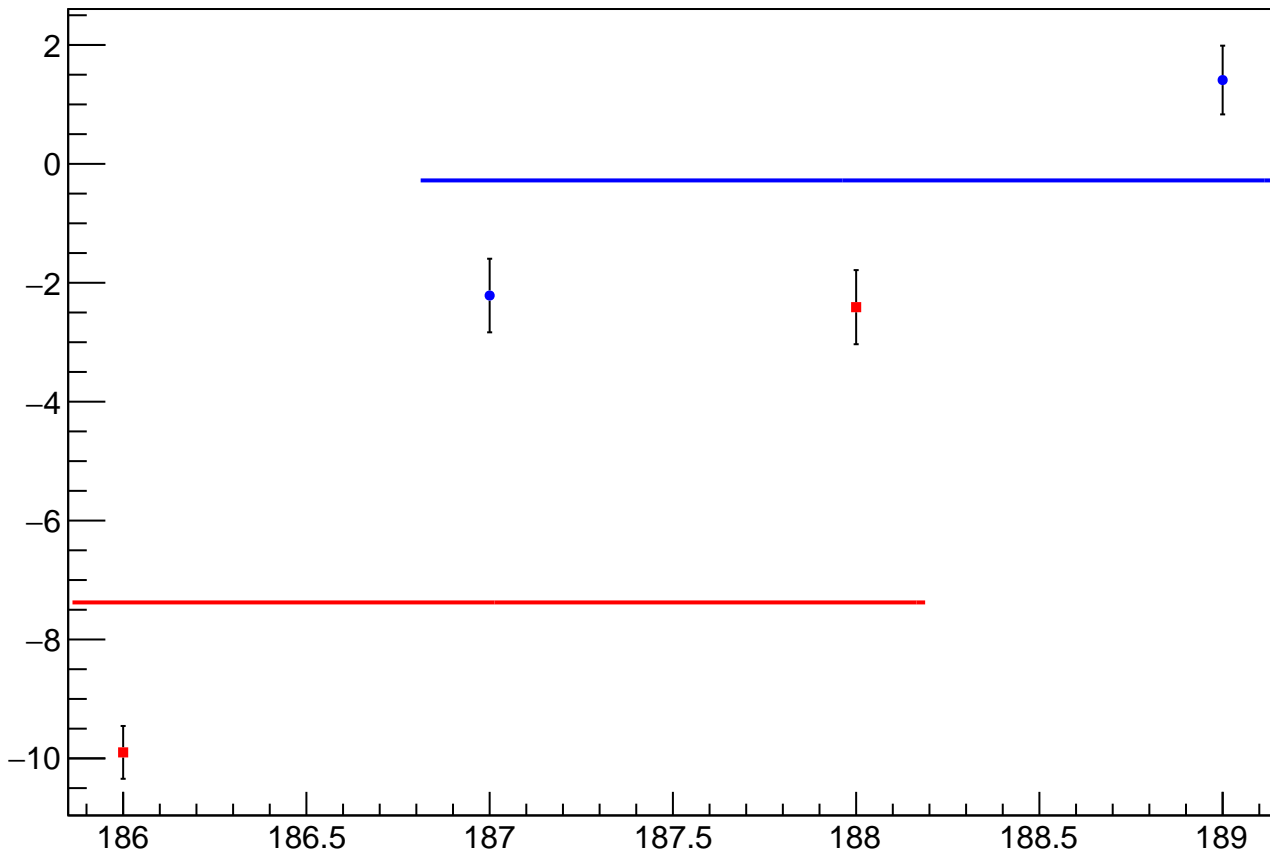
# reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.219 \pm 0.134$   $\chi^2/\text{NDF}: 0.7/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $3.428 \pm 0.205$   $\chi^2/\text{NDF}: 229.3/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $0.874 \pm 0.112$   $\chi^2/\text{NDF}: 451.6/3$   
 In:  $-0.219 \pm 0.134$   $\chi^2/\text{NDF}: 0.7/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $0.874 \pm 0.112$   $\chi^2/\text{NDF}: 451.6/3$

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-0.278 \pm 0.422$   $\chi^2/\text{NDF}: 18.3/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-7.377 \pm 0.362$   $\chi^2/\text{NDF}: 95.7/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

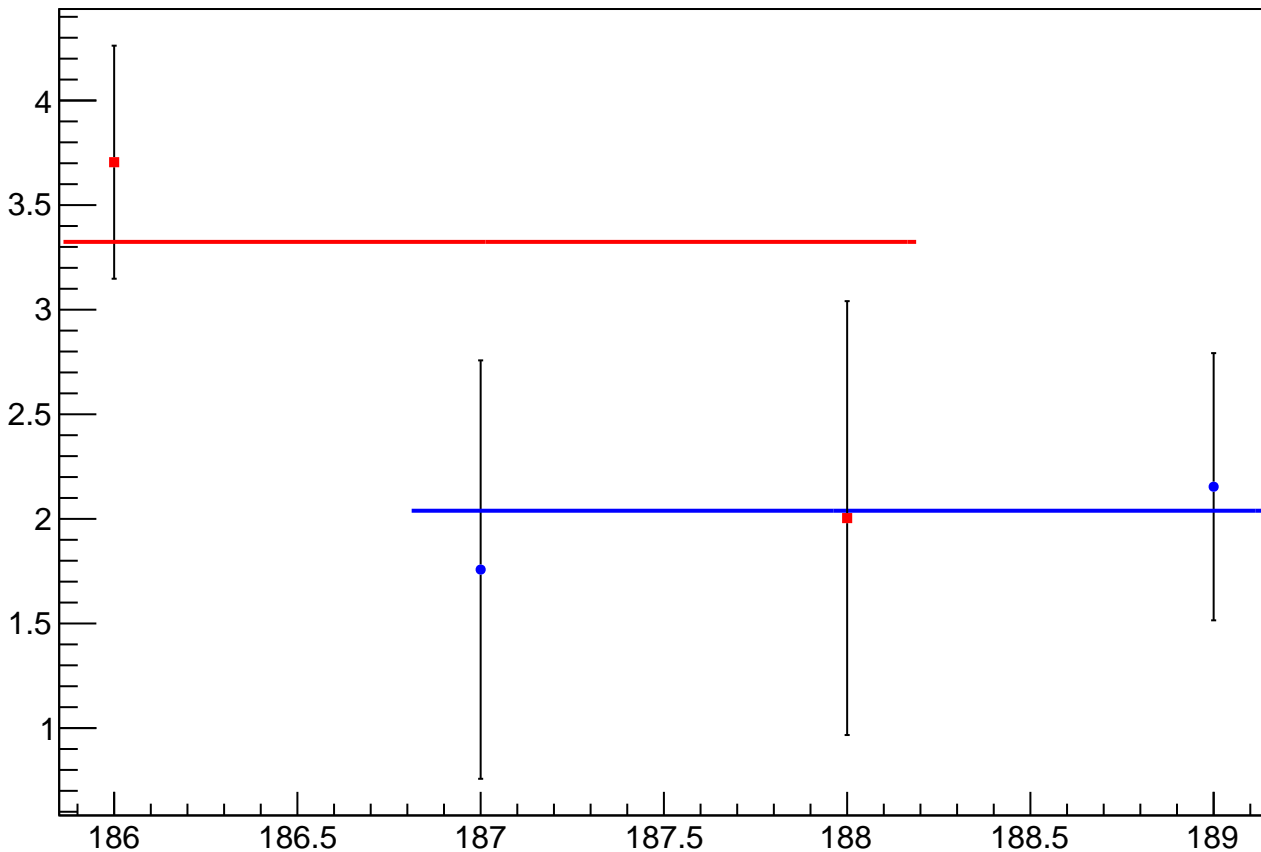
Right:  $-4.373 \pm 0.275$   $\chi^2/\text{NDF}: 276.9/3$

In:  $-0.278 \pm 0.422$   $\chi^2/\text{NDF}: 18.3/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-4.373 \pm 0.275$   $\chi^2/\text{NDF}: 276.9/3$

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.039+/-0.538  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 3.324+/-0.491  $\chi^2$ /NDF: 2.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

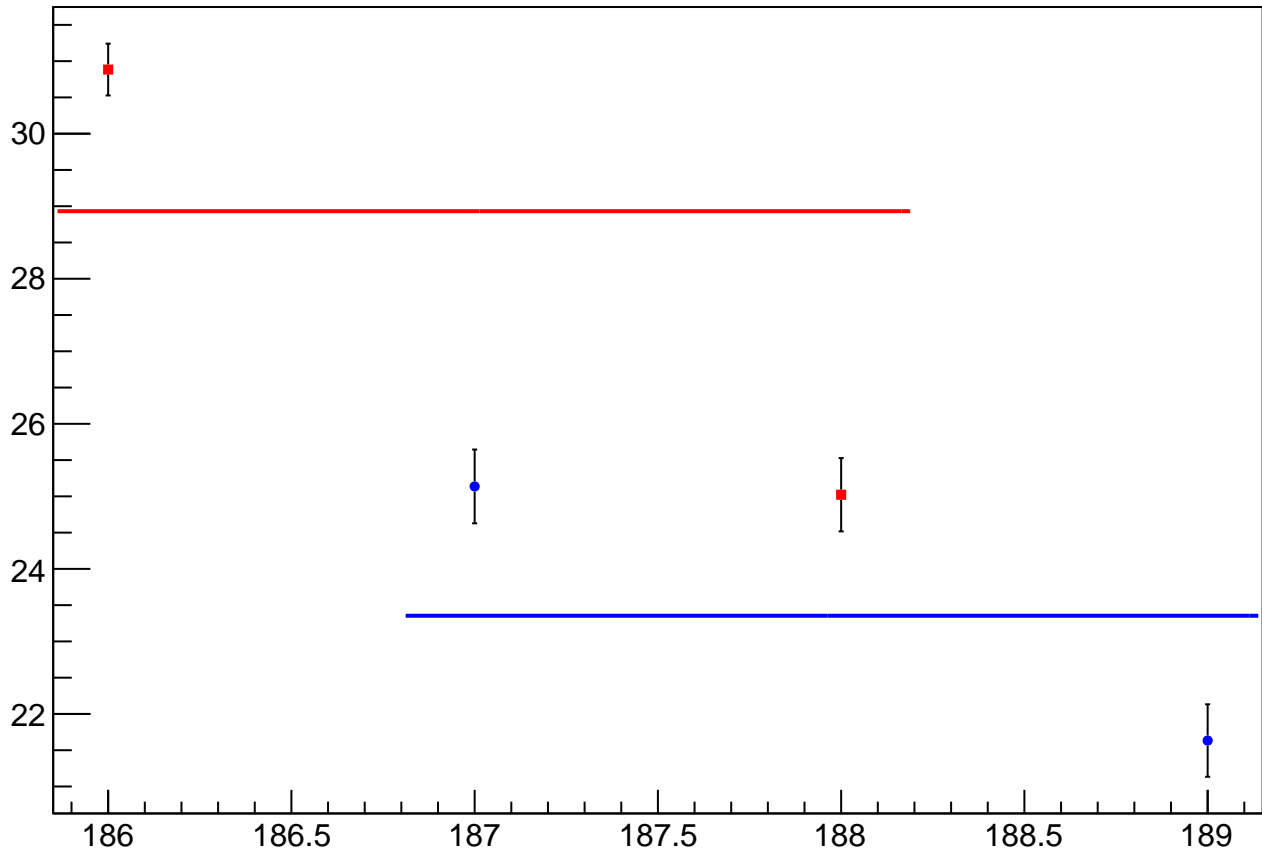
Right: 2.741+/-0.363  $\chi^2$ /NDF: 5.3/3

In: 2.039+/-0.538  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 2.741+/-0.363  $\chi^2$ /NDF: 5.3/3

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 23.354+/-0.357  $\chi^2$ /NDF: 24.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 28.932+/-0.292  $\chi^2$ /NDF: 89.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

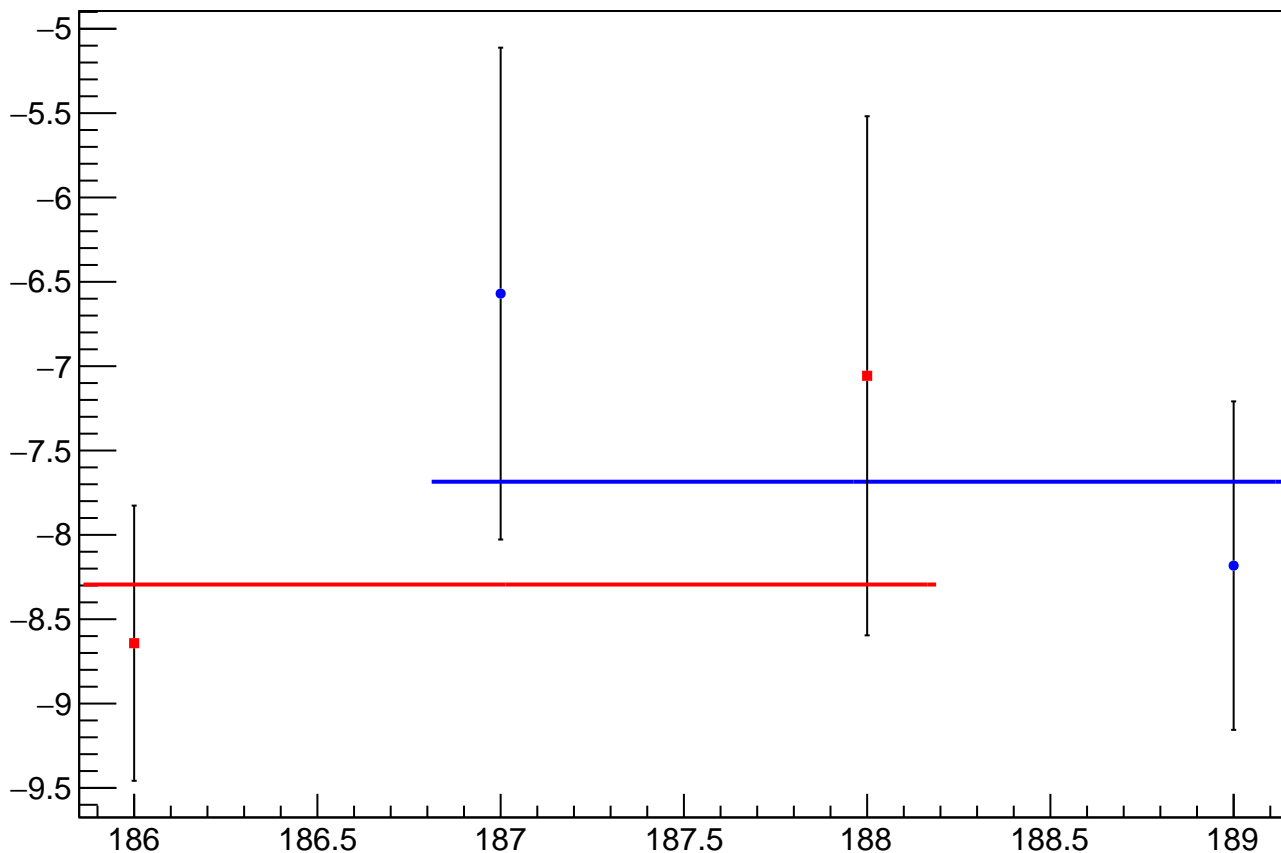
Right: 26.697+/-0.226  $\chi^2$ /NDF: 260.6/3

In: 23.354+/-0.357  $\chi^2$ /NDF:24.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 26.697+/-0.226  $\chi^2$ /NDF: 260.6/3

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -7.685+/-0.810  $\chi^2$ /NDF: 0.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -8.294+/-0.721  $\chi^2$ /NDF: 0.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

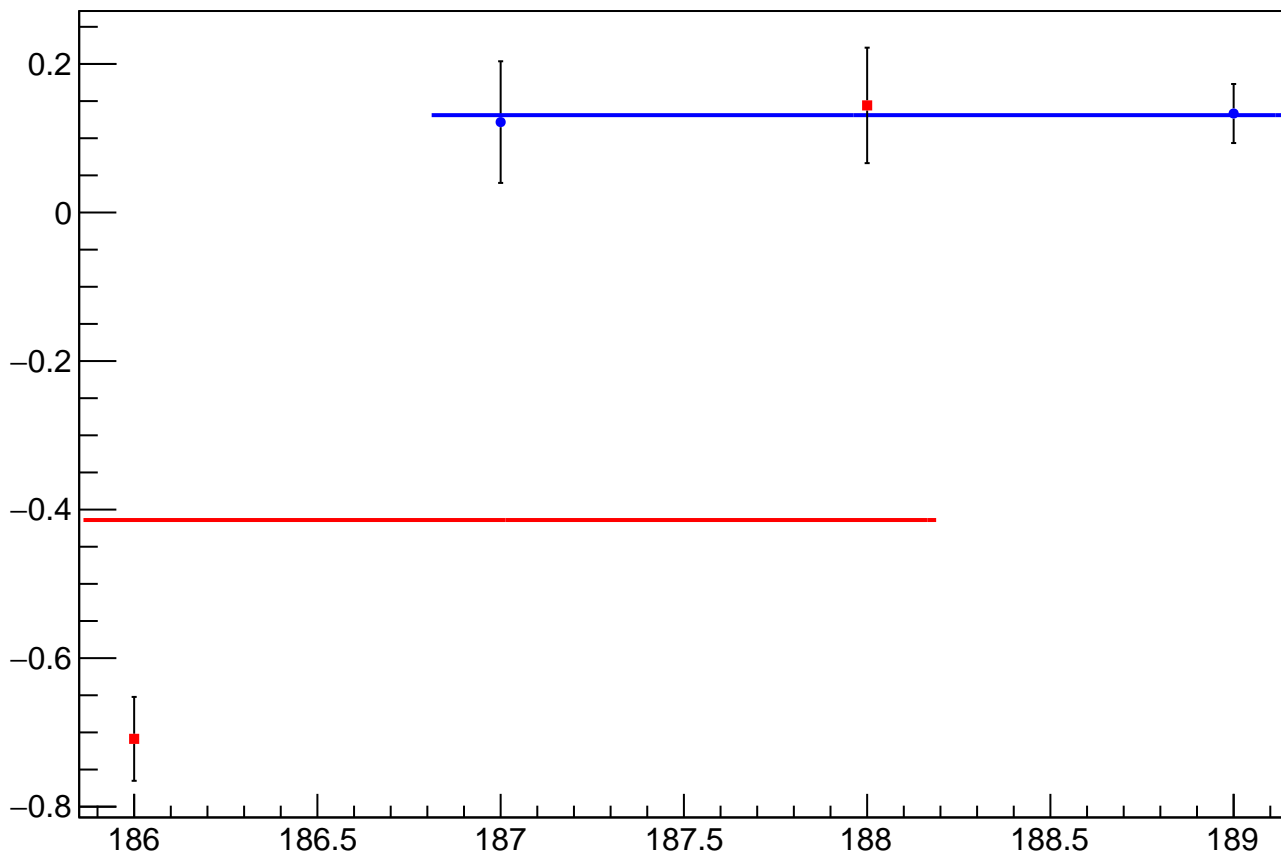
Right: -8.025+/-0.538  $\chi^2$ /NDF: 2.0/3

In: -7.685+/-0.810  $\chi^2$ /NDF:0.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -8.025+/-0.538  $\chi^2$ /NDF: 2.0/3

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.131+/-0.036  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.414+/-0.046  $\chi^2$ /NDF: 78.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

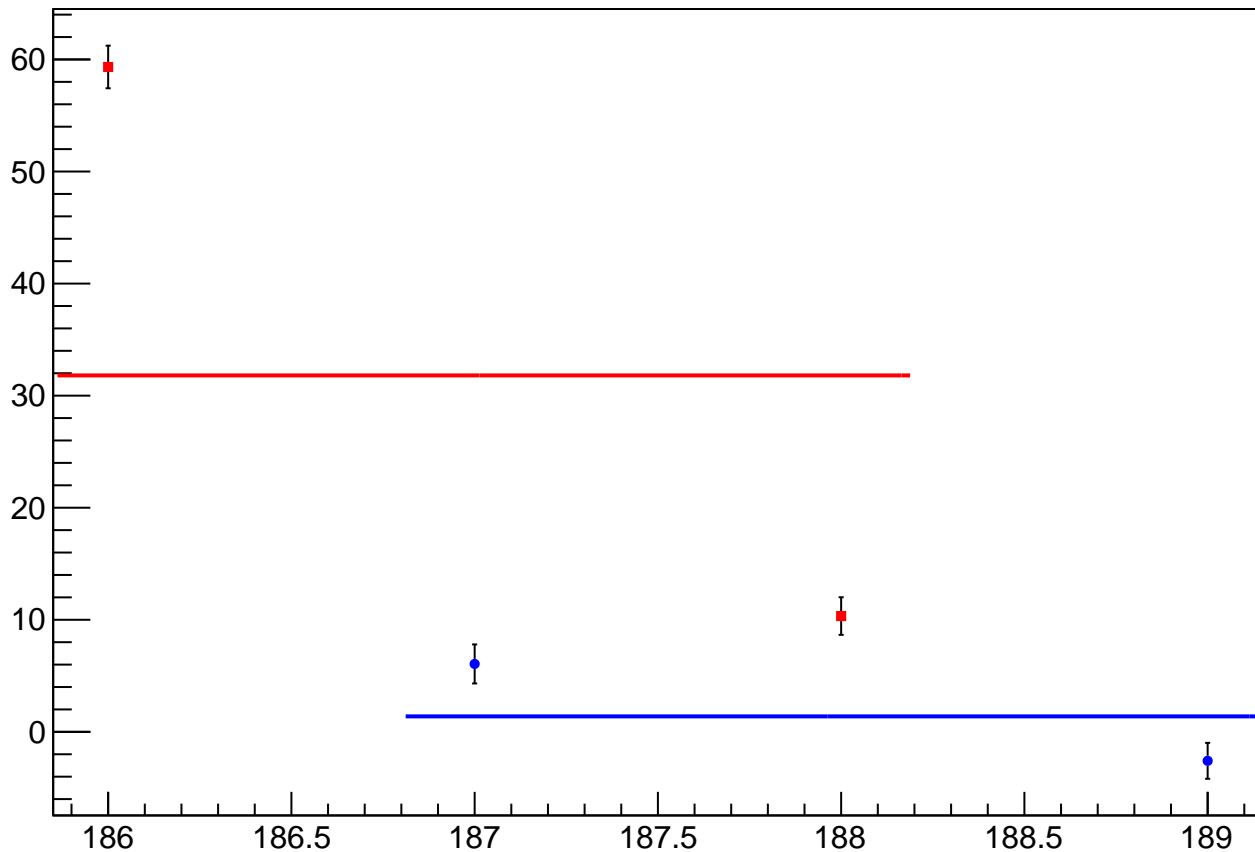
Right: -0.076+/-0.028  $\chi^2$ /NDF: 167.1/3

In: 0.131+/-0.036  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -0.076+/-0.028  $\chi^2$ /NDF: 167.1/3

reg\_asym\_sam\_12345678\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 1.380+/-1.180  $\chi^2$ /NDF: 13.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 31.806+/-1.258  $\chi^2$ /NDF: 373.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

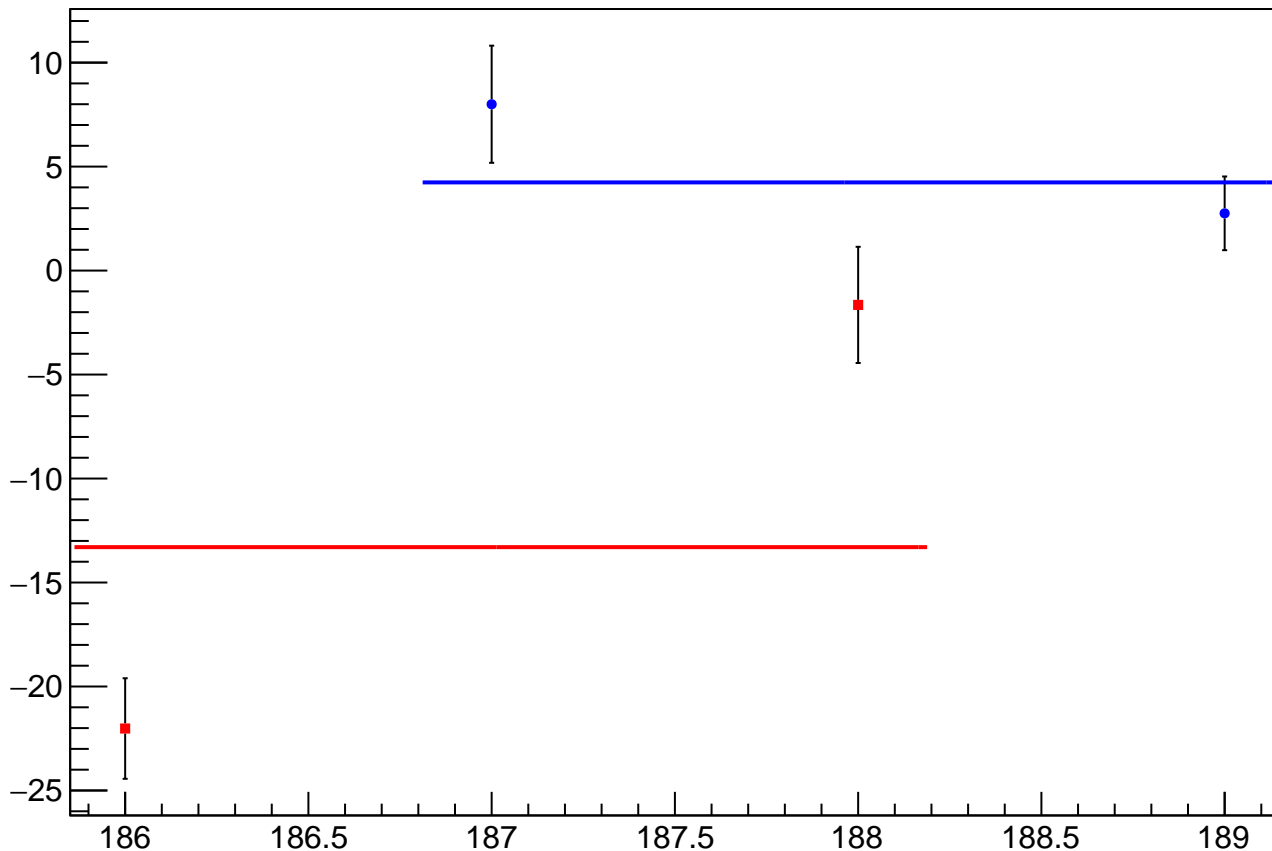
Right: 15.612+/-0.861  $\chi^2$ /NDF: 697.9/3

In: 1.380+/-1.180  $\chi^2$ /NDF:13.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 15.612+/-0.861  $\chi^2$ /NDF: 697.9/3

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.240+/-1.500  $\chi^2/\text{NDF}$ : 2.5/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -13.299+/-1.828  $\chi^2/\text{NDF}$ : 30.4/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: -2.815+/-1.159  $\chi^2/\text{NDF}$ : 87.9/3

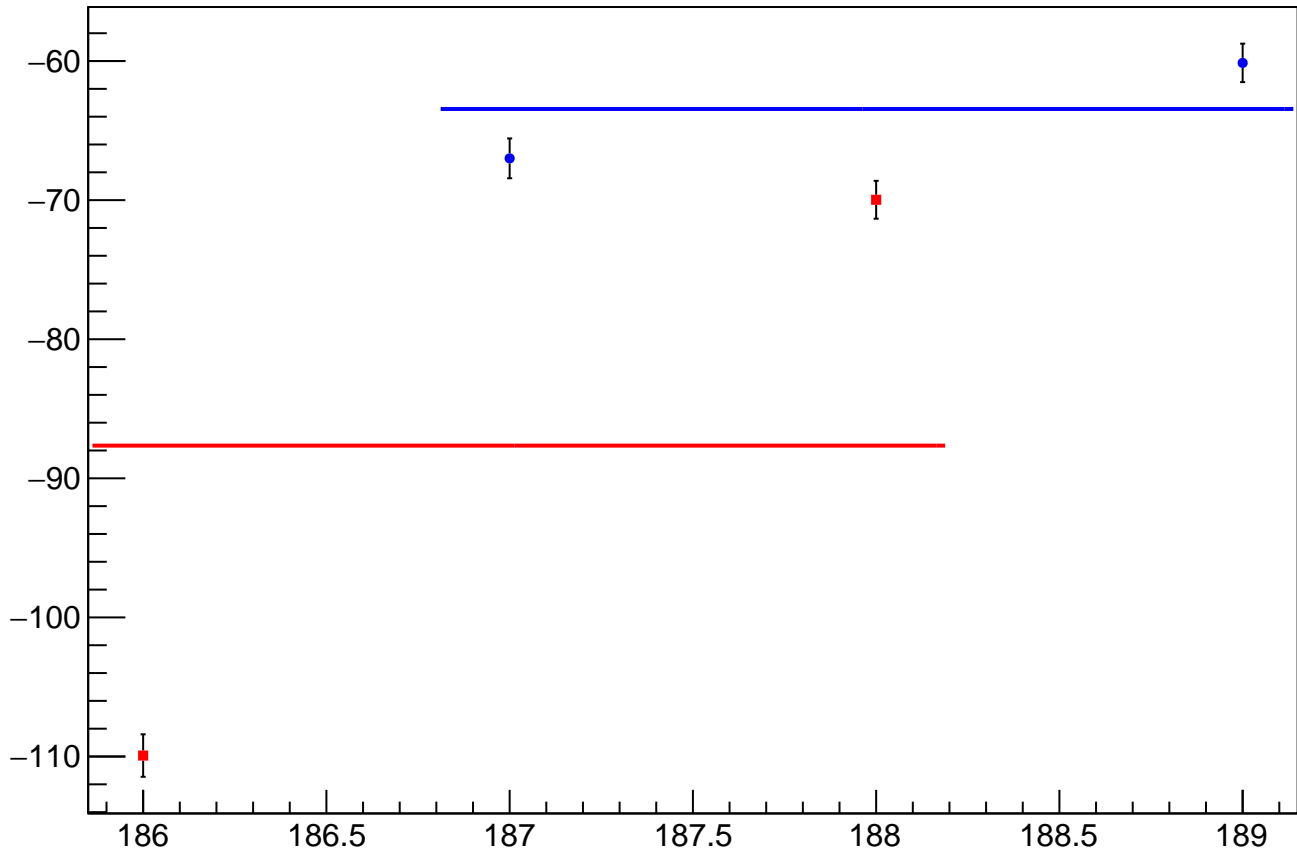
In: 4.240+/-1.500  $\chi^2/\text{NDF}$ : 2.5/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.815+/-1.159  $\chi^2/\text{NDF}$ : 87.9/3



reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -63.447+/-0.995  $\chi^2$ /NDF: 11.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -87.649+/-1.016  $\chi^2$ /NDF: 381.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

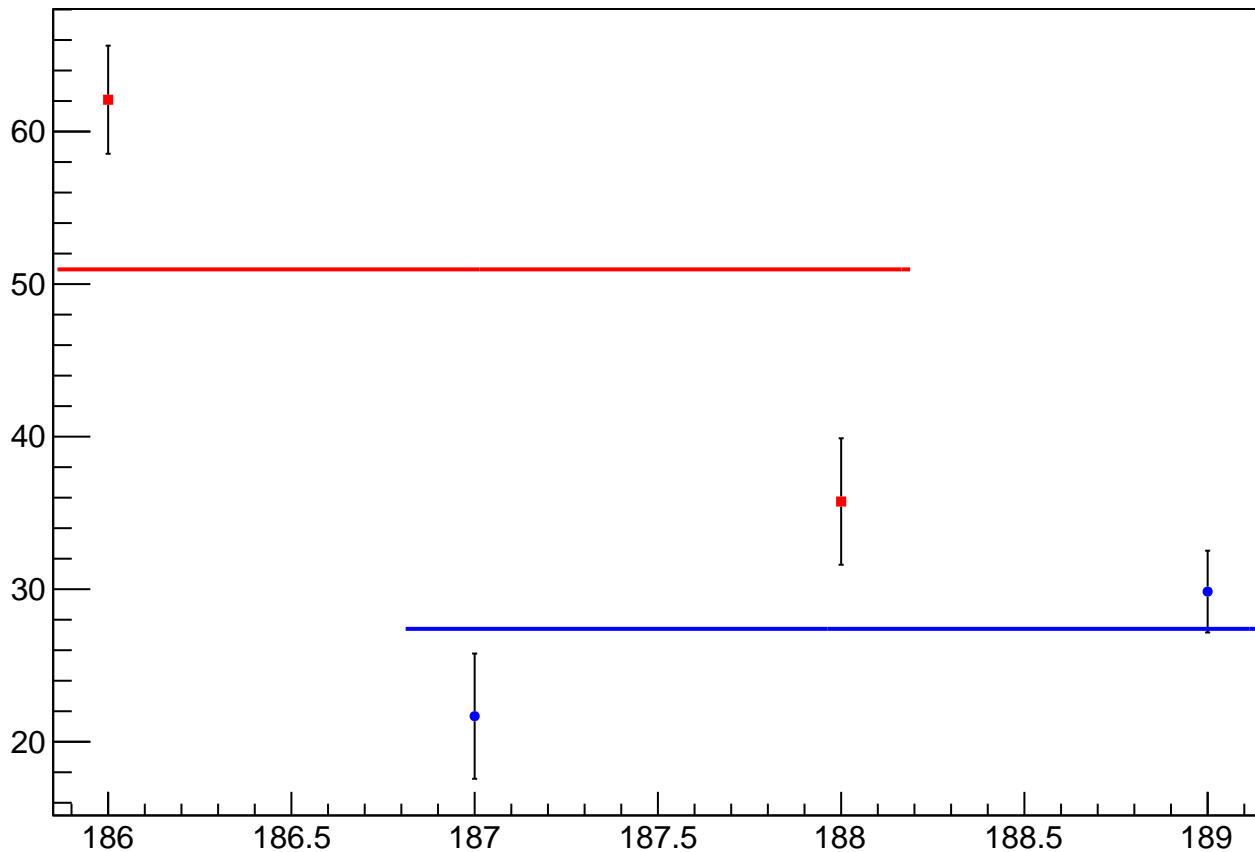
Right: -75.291+/-0.711  $\chi^2$ /NDF: 683.2/3

In: -63.447+/-0.995  $\chi^2$ /NDF:11.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -75.291+/-0.711  $\chi^2$ /NDF: 683.2/3

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 27.402+/-2.245  $\chi^2$ /NDF: 2.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 50.964+/-2.693  $\chi^2$ /NDF: 23.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

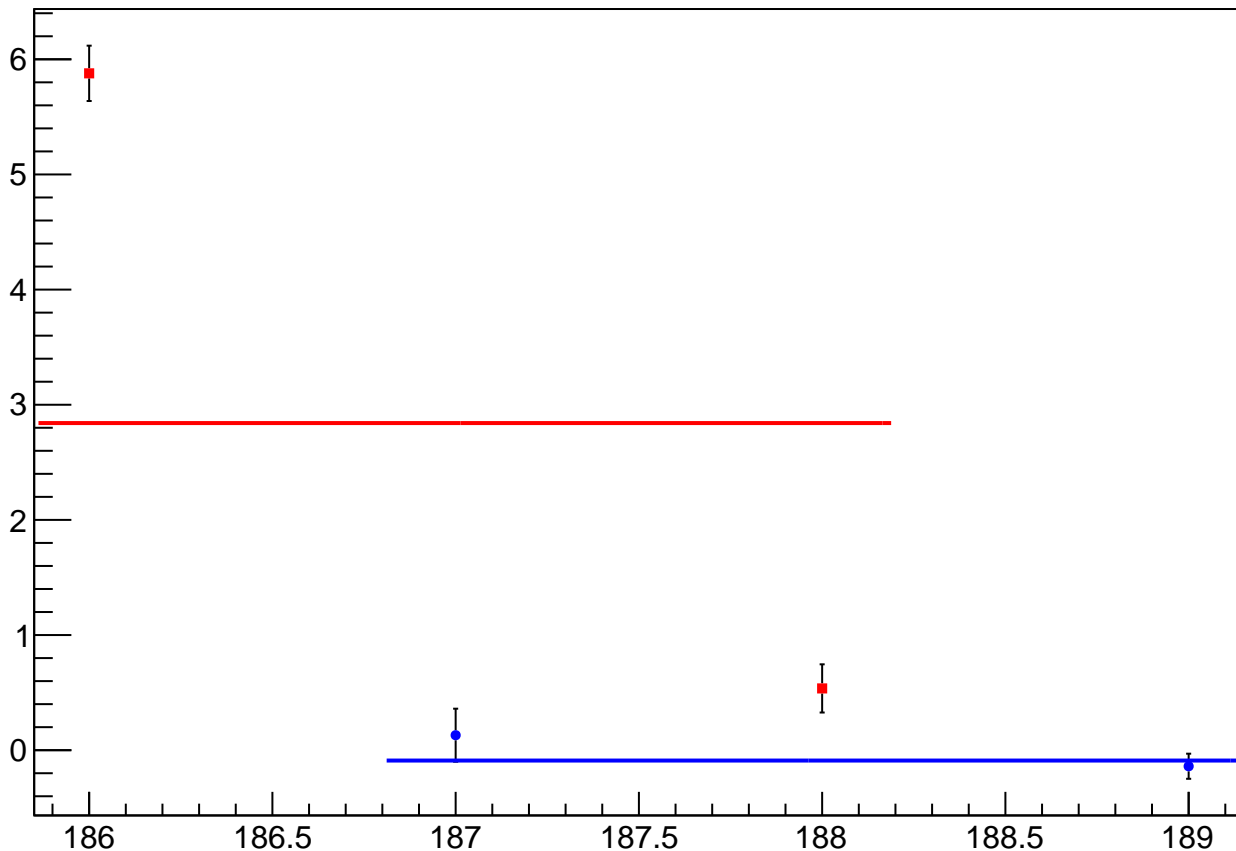
Right: 37.061+/-1.724  $\chi^2$ /NDF: 71.3/3

In: 27.402+/-2.245  $\chi^2$ /NDF:2.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 37.061+/-1.724  $\chi^2$ /NDF: 71.3/3

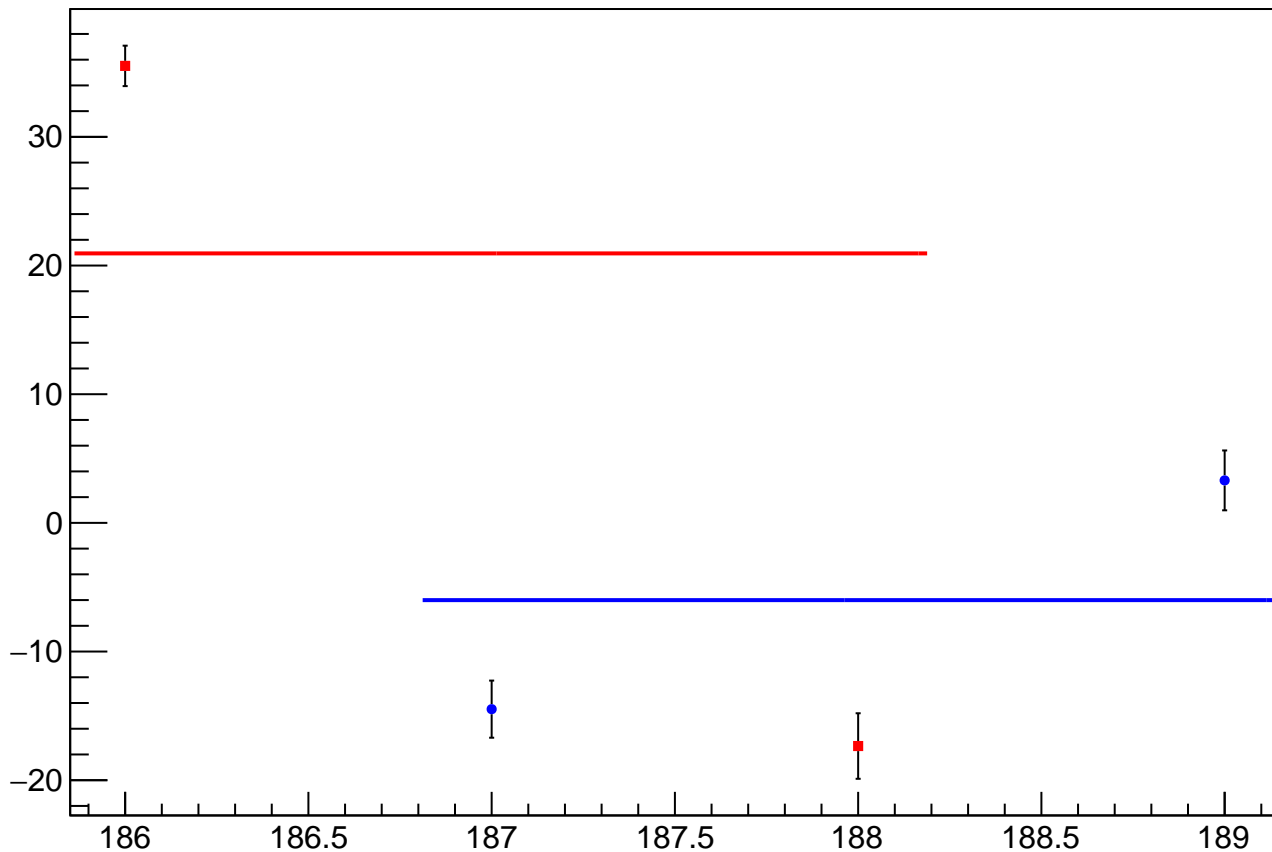
reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.090+/-0.099  $\chi^2$ /NDF: 1.1/1  
 Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: 2.841+/-0.158  $\chi^2$ /NDF: 281.0/1  
 Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
 Right: 0.732+/-0.084  $\chi^2$ /NDF: 530.3/3  
 In: -0.090+/-0.099  $\chi^2$ /NDF:1.1/1  
 Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 All: 0.732+/-0.084  $\chi^2$ /NDF: 530.3/3

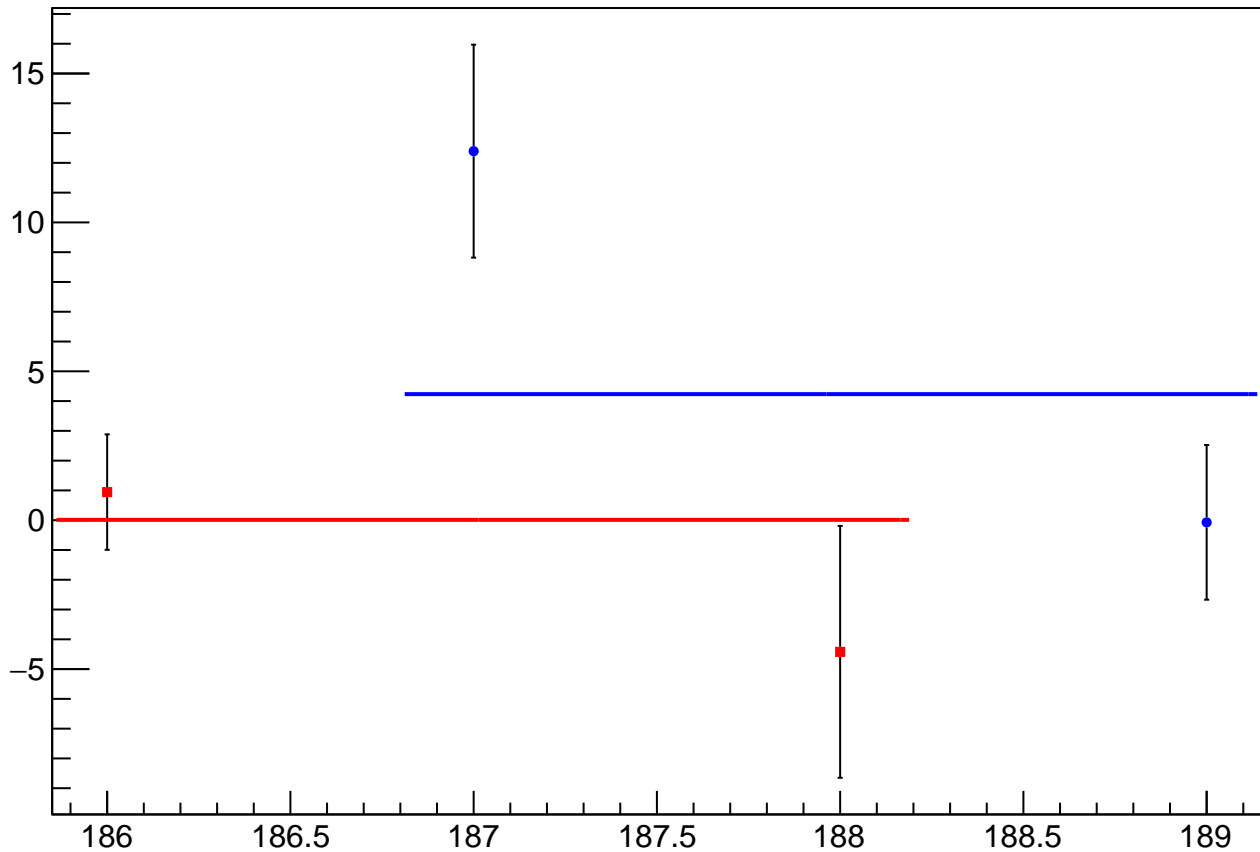
# reg\_asym\_atl1\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-6.004 \pm 1.606$   $\chi^2/\text{NDF}: 30.6/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $20.944 \pm 1.337$   $\chi^2/\text{NDF}: 312.0/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $9.909 \pm 1.028$   $\chi^2/\text{NDF}: 508.9/3$   
 In:  $-6.004 \pm 1.606$   $\chi^2/\text{NDF}: 30.6/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $9.909 \pm 1.028$   $\chi^2/\text{NDF}: 508.9/3$

# reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.233+/-2.101  $\chi^2/\text{NDF}$ : 8.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.012+/-1.763  $\chi^2/\text{NDF}$ : 1.3/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

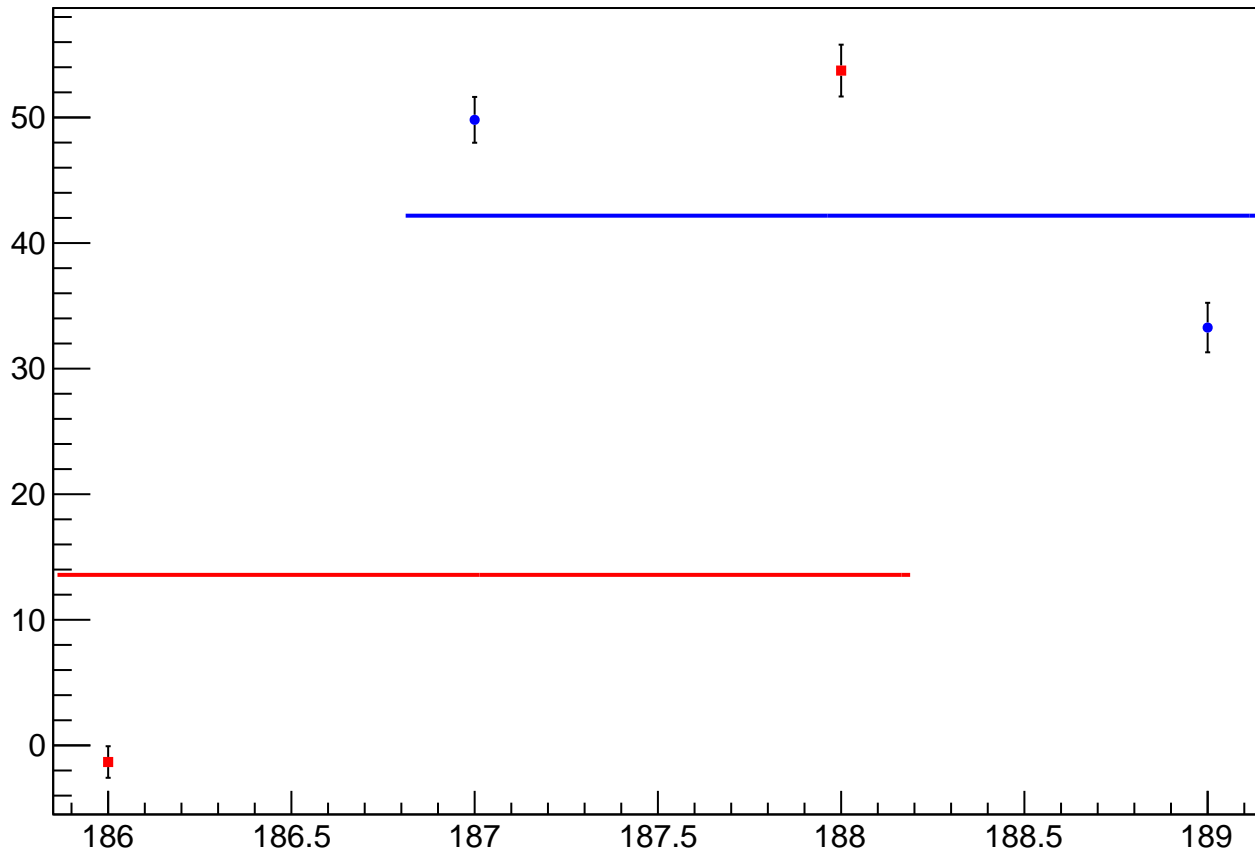
Right: 1.755+/-1.351  $\chi^2/\text{NDF}$ : 11.7/3

In: 4.233+/-2.101  $\chi^2/\text{NDF}$ : 8.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.755+/-1.351  $\chi^2/\text{NDF}$ : 11.7/3

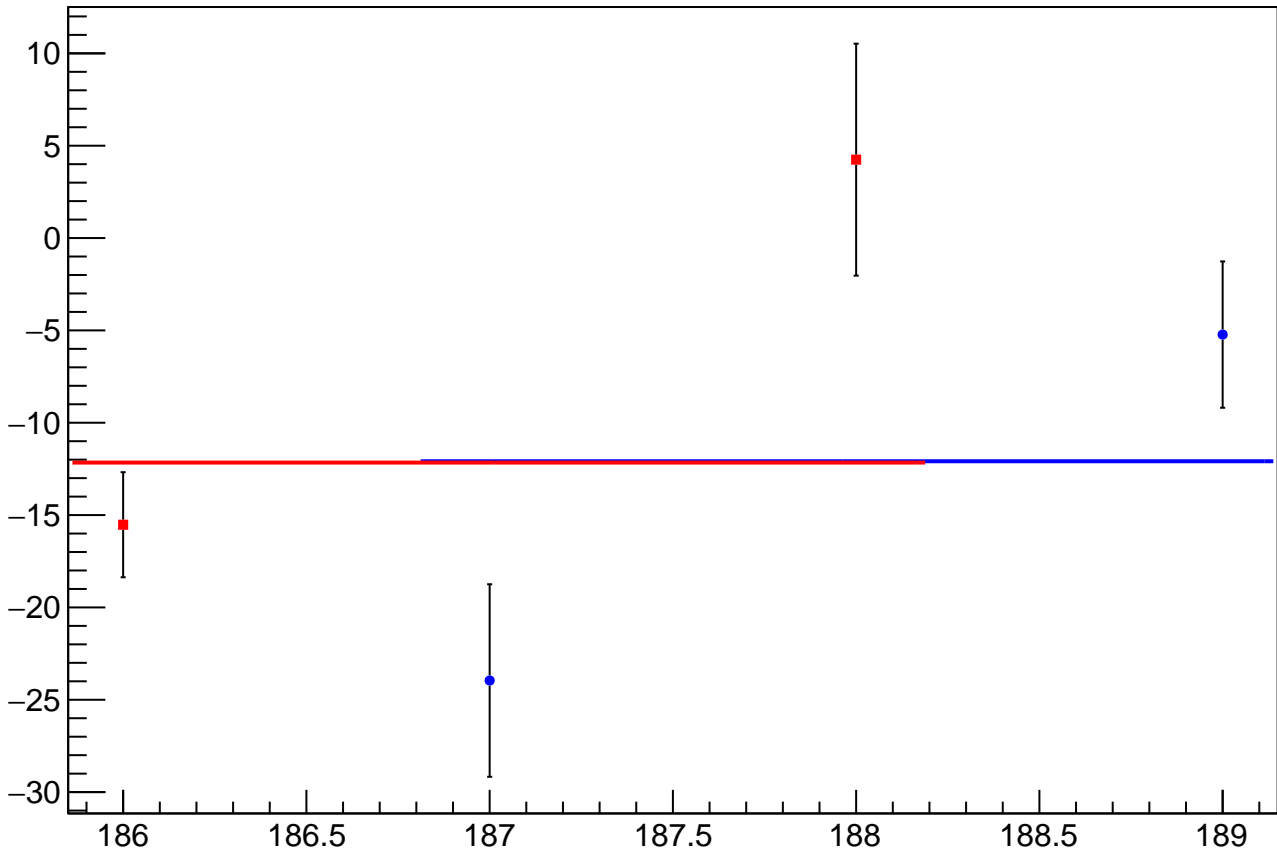
# reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 42.180+/-1.338  $\chi^2$ /NDF: 38.0/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 13.578+/-1.074  $\chi^2$ /NDF: 519.2/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 24.776+/-0.837  $\chi^2$ /NDF: 835.1/3  
In: 42.180+/-1.338  $\chi^2$ /NDF:38.0/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 24.776+/-0.837  $\chi^2$ /NDF: 835.1/3

# reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -12.085+/-3.154  $\chi^2$ /NDF: 8.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -12.157+/-2.592  $\chi^2$ /NDF: 8.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

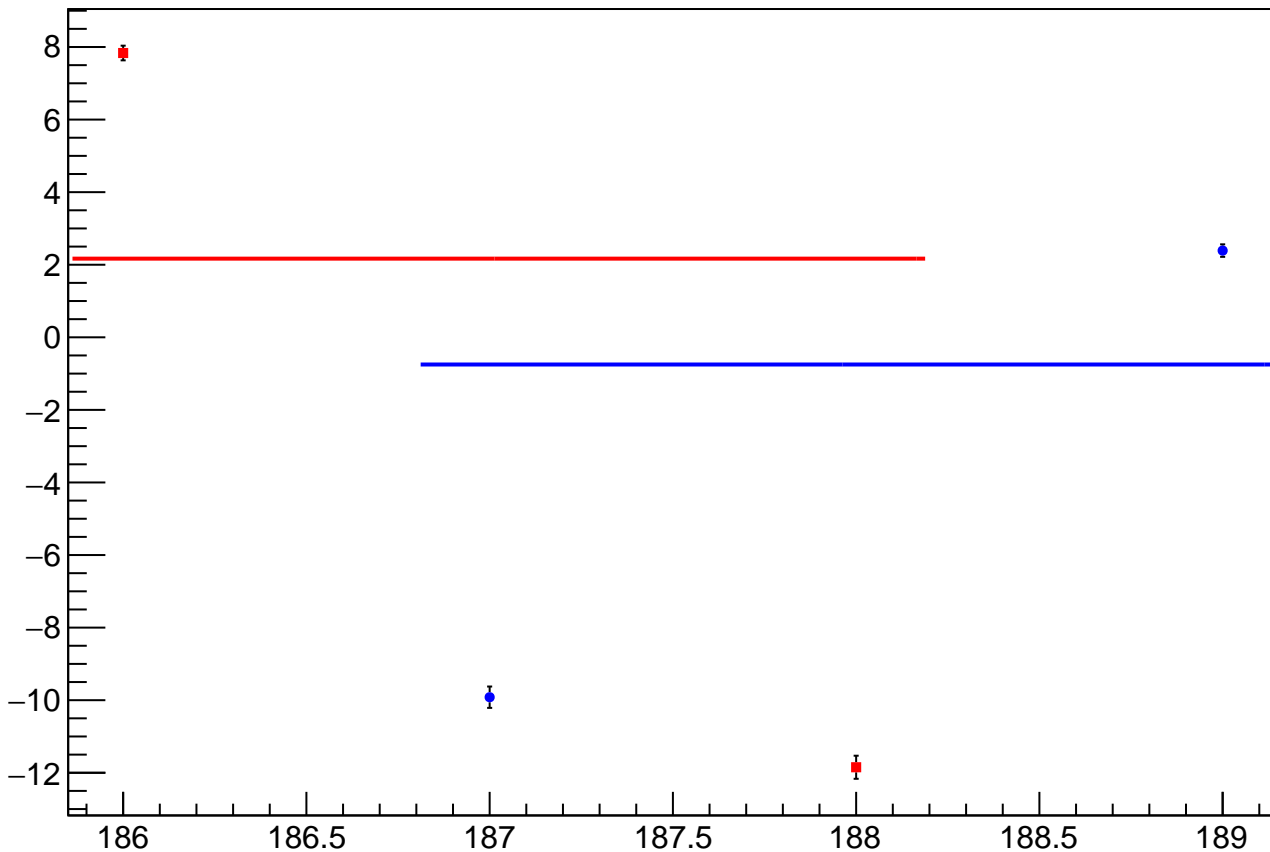
Right: -12.128+/-2.003  $\chi^2$ /NDF: 16.4/3

In: -12.085+/-3.154  $\chi^2$ /NDF:8.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -12.128+/-2.003  $\chi^2$ /NDF: 16.4/3

# reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.749+/-0.149  $\chi^2$ /NDF: 1302.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.168+/-0.171  $\chi^2$ /NDF: 2725.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 0.509+/-0.112  $\chi^2$ /NDF: 4194.9/3

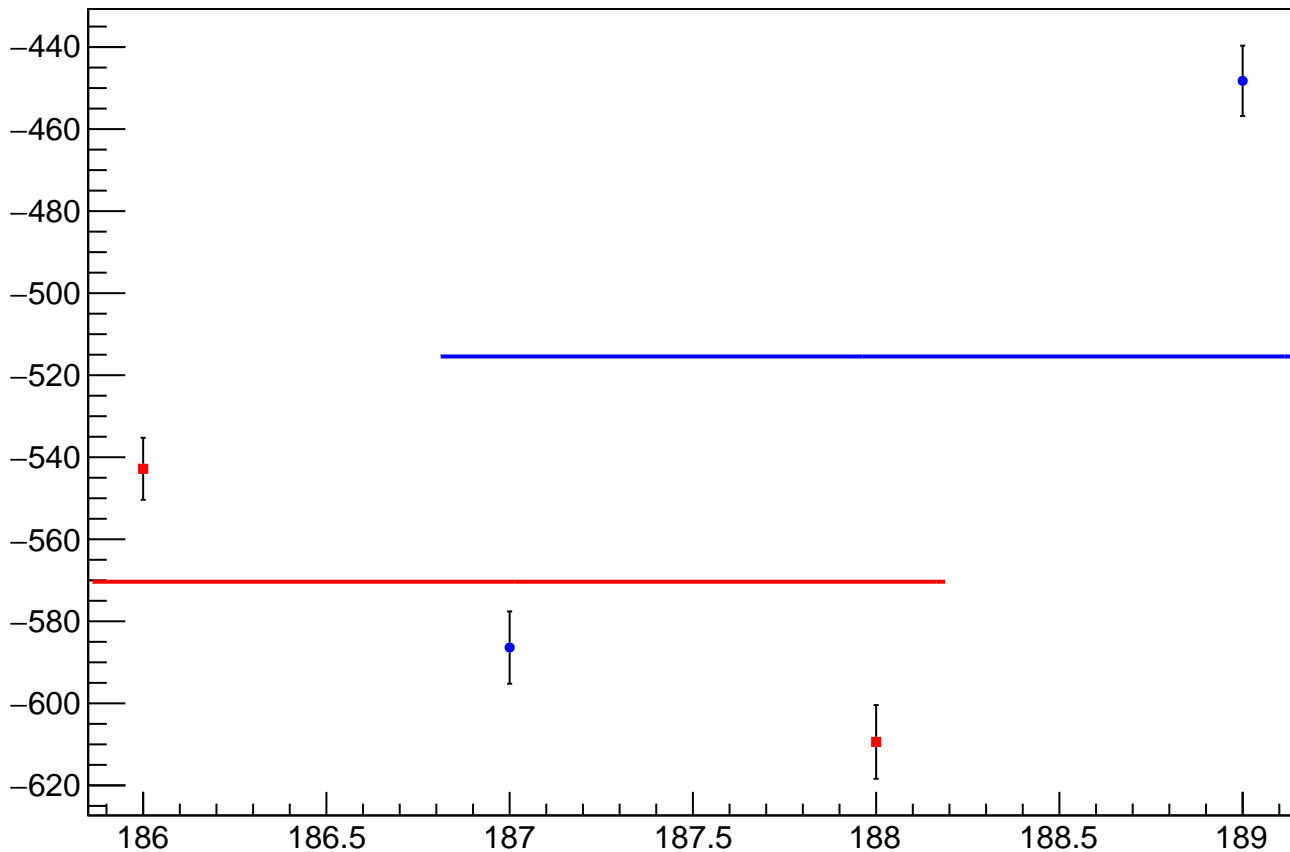
In: -0.749+/-0.149  $\chi^2$ /NDF:1302.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.509+/-0.112  $\chi^2$ /NDF: 4194.9/3



# reg\_asym\_atl2\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -515.432+/-6.149  $\chi^2$ /NDF: 126.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -570.352+/-5.785  $\chi^2$ /NDF: 32.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

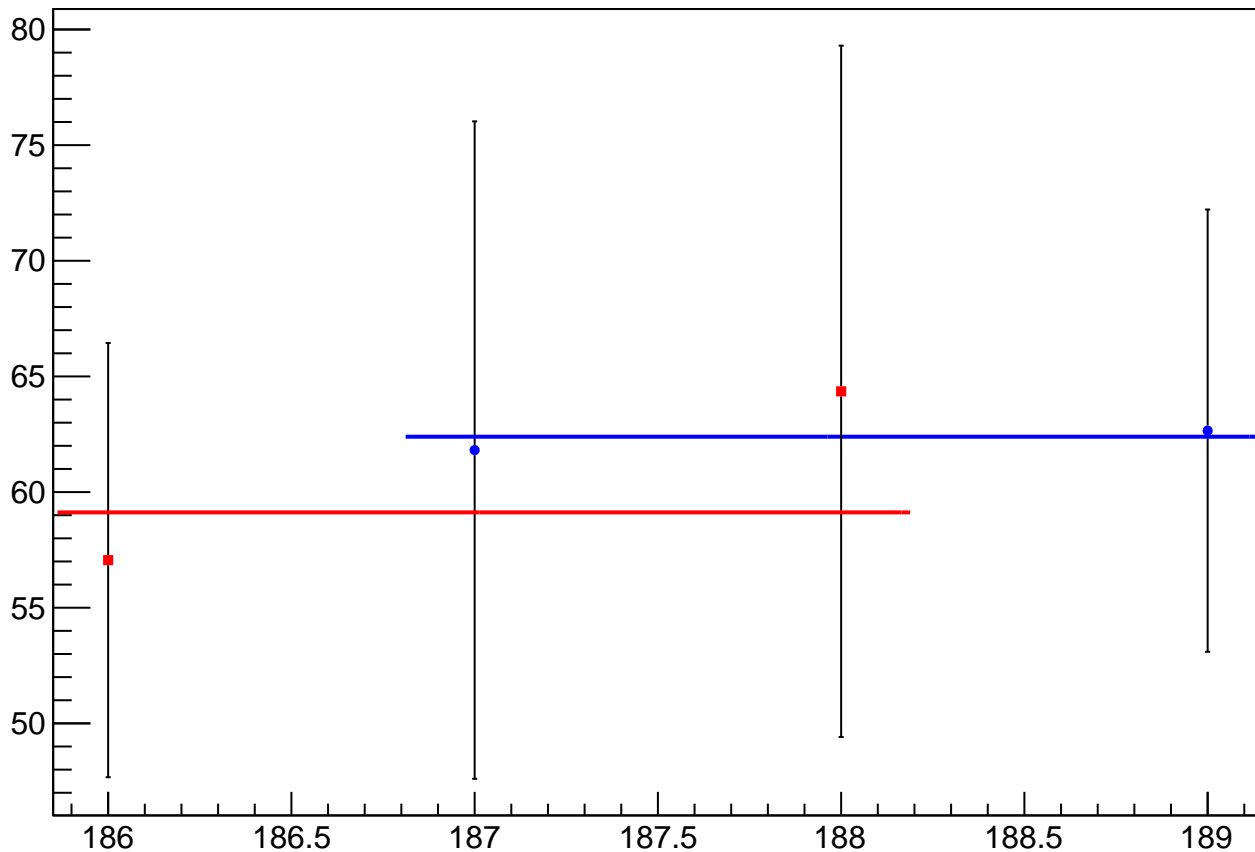
Right: -544.562+/-4.213  $\chi^2$ /NDF: 200.6/3

In: -515.432+/-6.149  $\chi^2$ /NDF:126.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -544.562+/-4.213  $\chi^2$ /NDF: 200.6/3

# reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 62.394+/-7.933  $\chi^2/\text{NDF}$ : 0.0/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 59.122+/-7.949  $\chi^2/\text{NDF}$ : 0.2/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

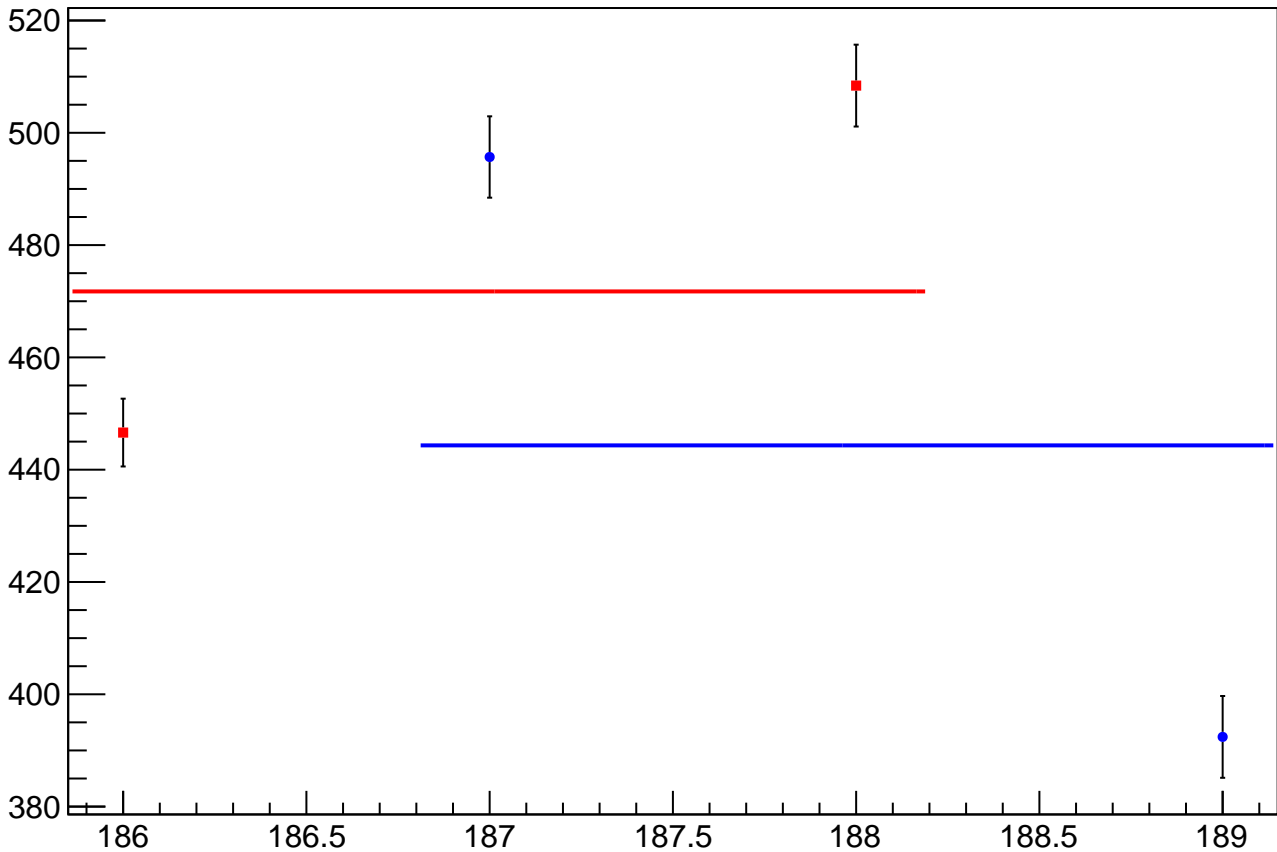
Right: 60.761+/-5.615  $\chi^2/\text{NDF}$ : 0.3/3

In: 62.394+/-7.933  $\chi^2/\text{NDF}$ : 0.0/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 60.761+/-5.615  $\chi^2/\text{NDF}$ : 0.3/3

# reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 444.329+/-5.137  $\chi^2$ /NDF: 101.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 471.747+/-4.649  $\chi^2$ /NDF: 42.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

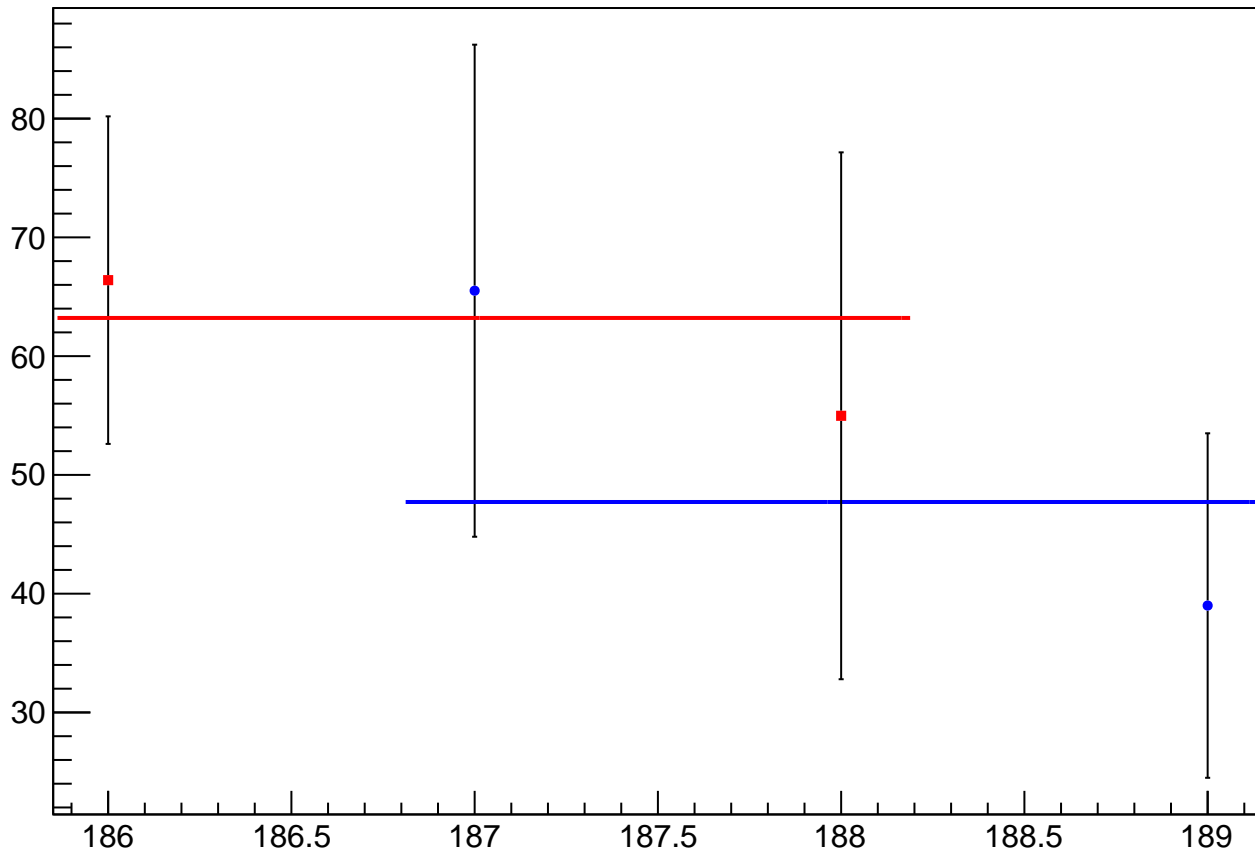
Right: 459.400+/-3.447  $\chi^2$ /NDF: 159.3/3

In: 444.329+/-5.137  $\chi^2$ /NDF:101.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 459.400+/-3.447  $\chi^2$ /NDF: 159.3/3

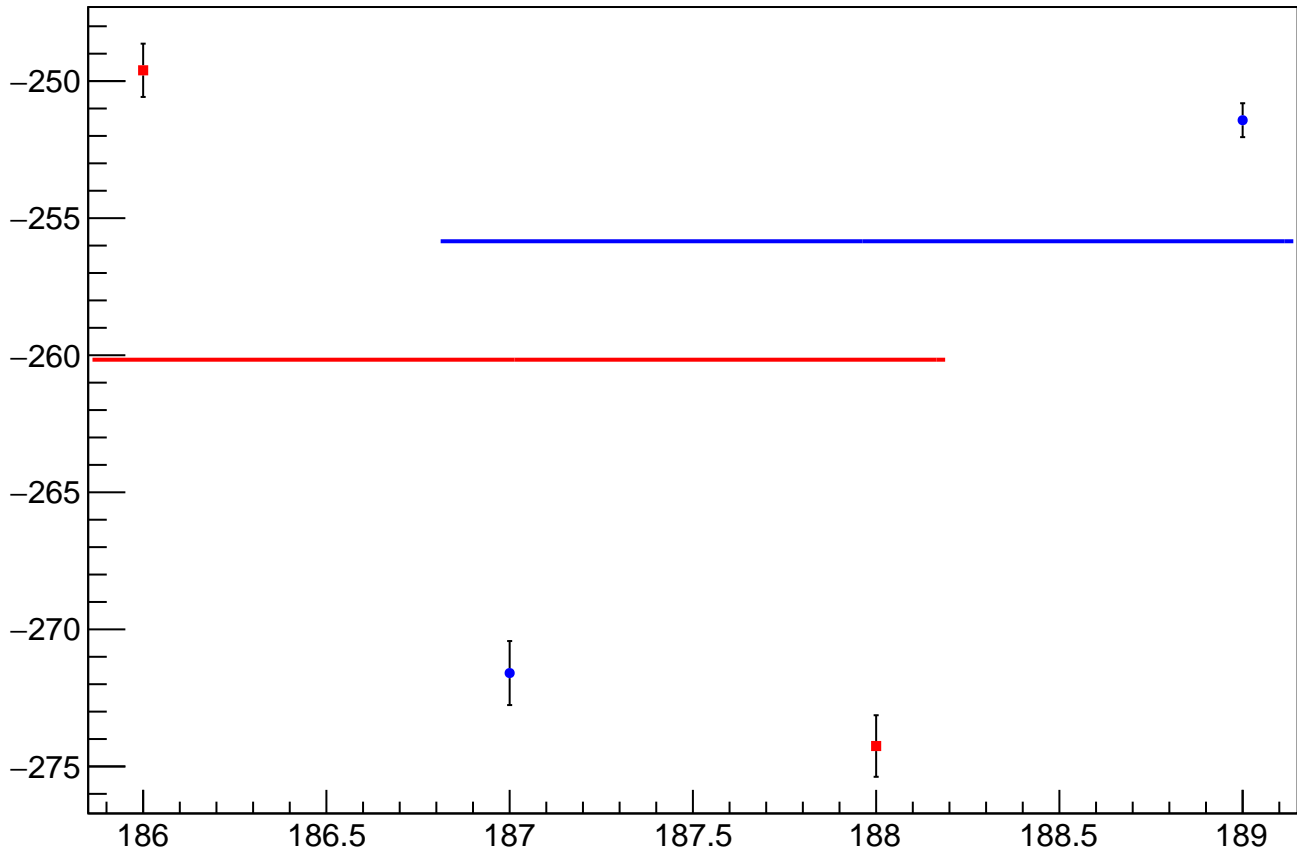
# reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 47.719+/-11.880  $\chi^2/\text{NDF}$ : 1.1/1  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0  
 Right Out: 63.215+/-11.711  $\chi^2/\text{NDF}$ : 0.2/1  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right: 55.579+/-8.340  $\chi^2/\text{NDF}$ : 2.2/3  
 In: 47.719+/-11.880  $\chi^2/\text{NDF}$ :1.1/1  
 Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0  
 All: 55.579+/-8.340  $\chi^2/\text{NDF}$ : 2.2/3

# reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -255.842+/-0.546  $\chi^2$ /NDF: 233.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -260.163+/-0.735  $\chi^2$ /NDF: 275.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

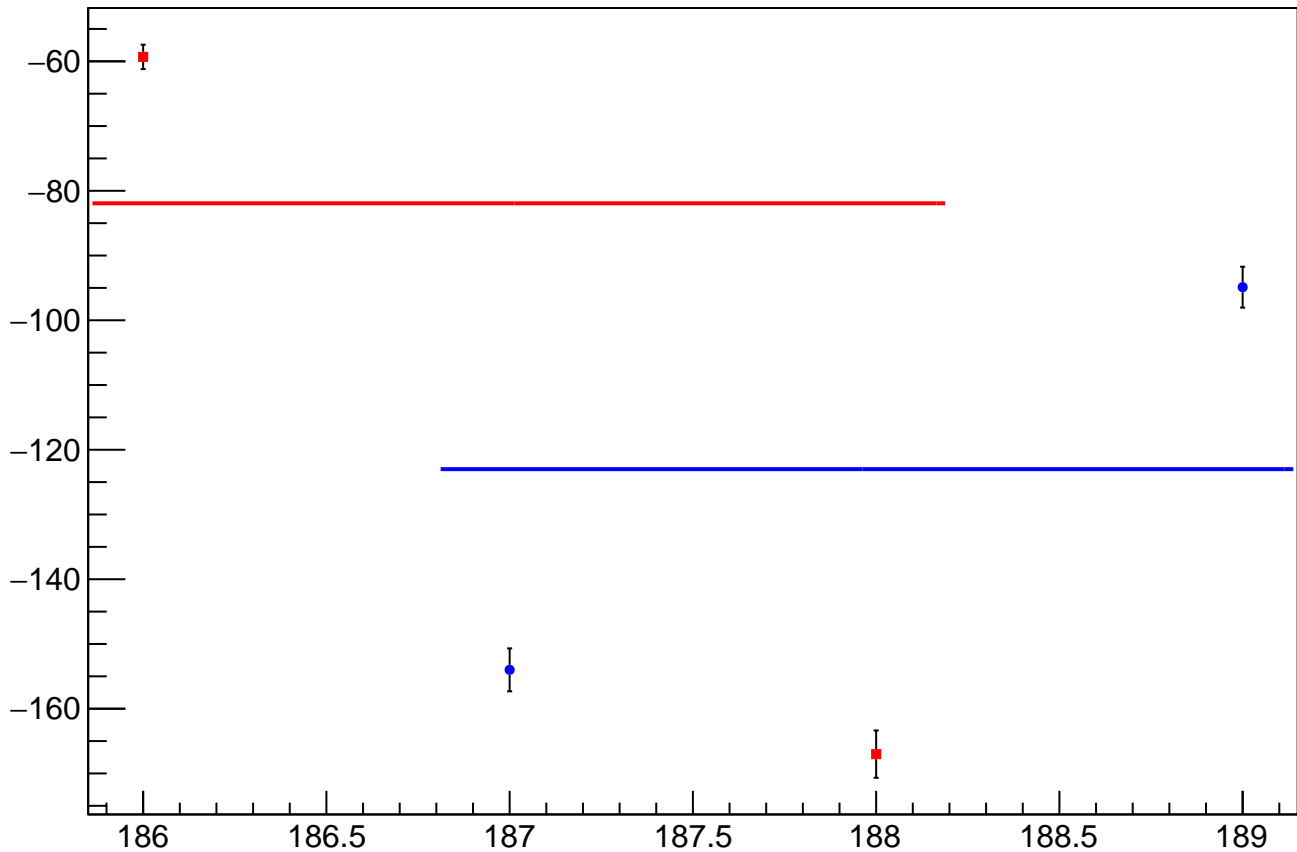
Right: -257.381+/-0.438  $\chi^2$ /NDF: 530.7/3

In: -255.842+/-0.546  $\chi^2$ /NDF:233.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -257.381+/-0.438  $\chi^2$ /NDF: 530.7/3

# reg\_asym\_atr1\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-122.997 \pm 2.288$   $\chi^2/\text{NDF}: 166.5/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-81.931 \pm 1.676$   $\chi^2/\text{NDF}: 684.8/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

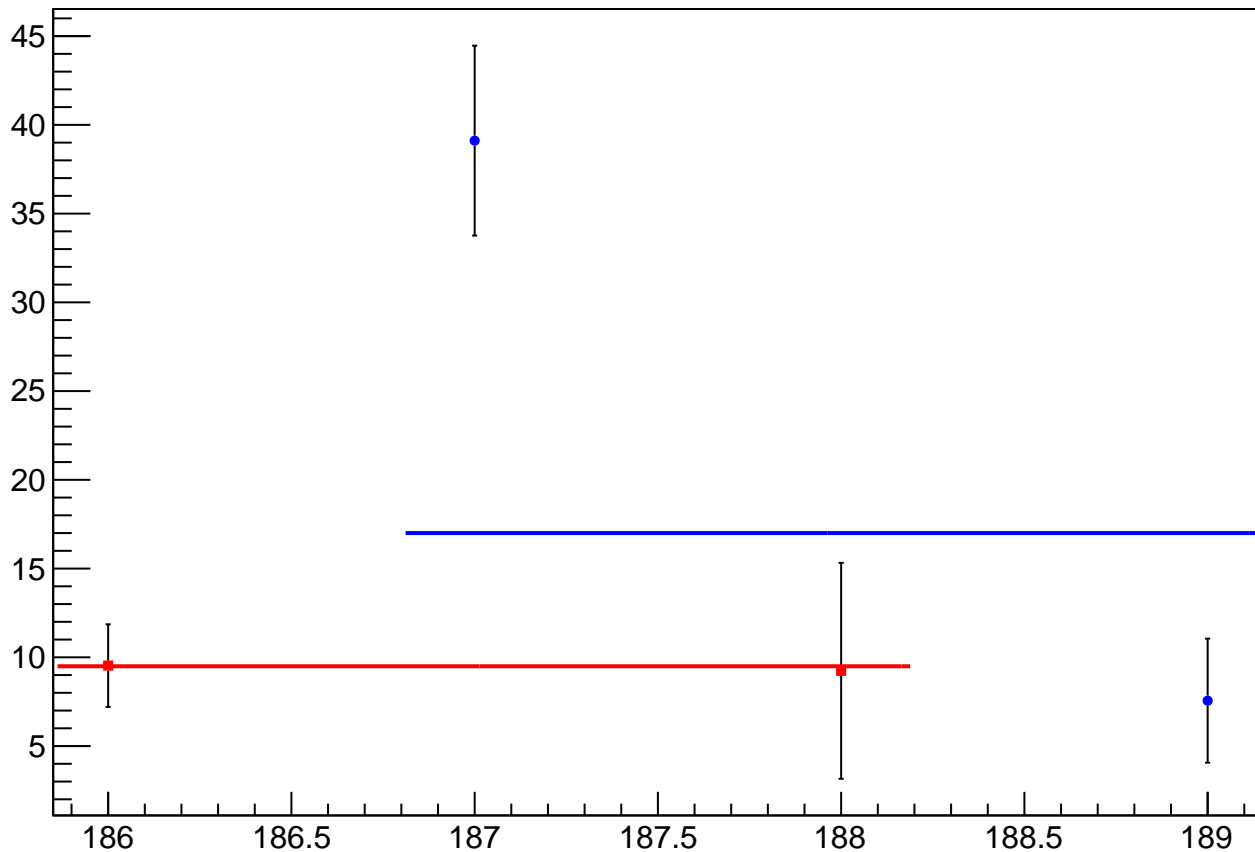
Right:  $-96.273 \pm 1.352$   $\chi^2/\text{NDF}: 1060.9/3$

In:  $-122.997 \pm 2.288$   $\chi^2/\text{NDF}: 166.5/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-96.273 \pm 1.352$   $\chi^2/\text{NDF}: 1060.9/3$

# reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 17.001+/-2.927  $\chi^2$ /NDF: 24.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 9.496+/-2.173  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

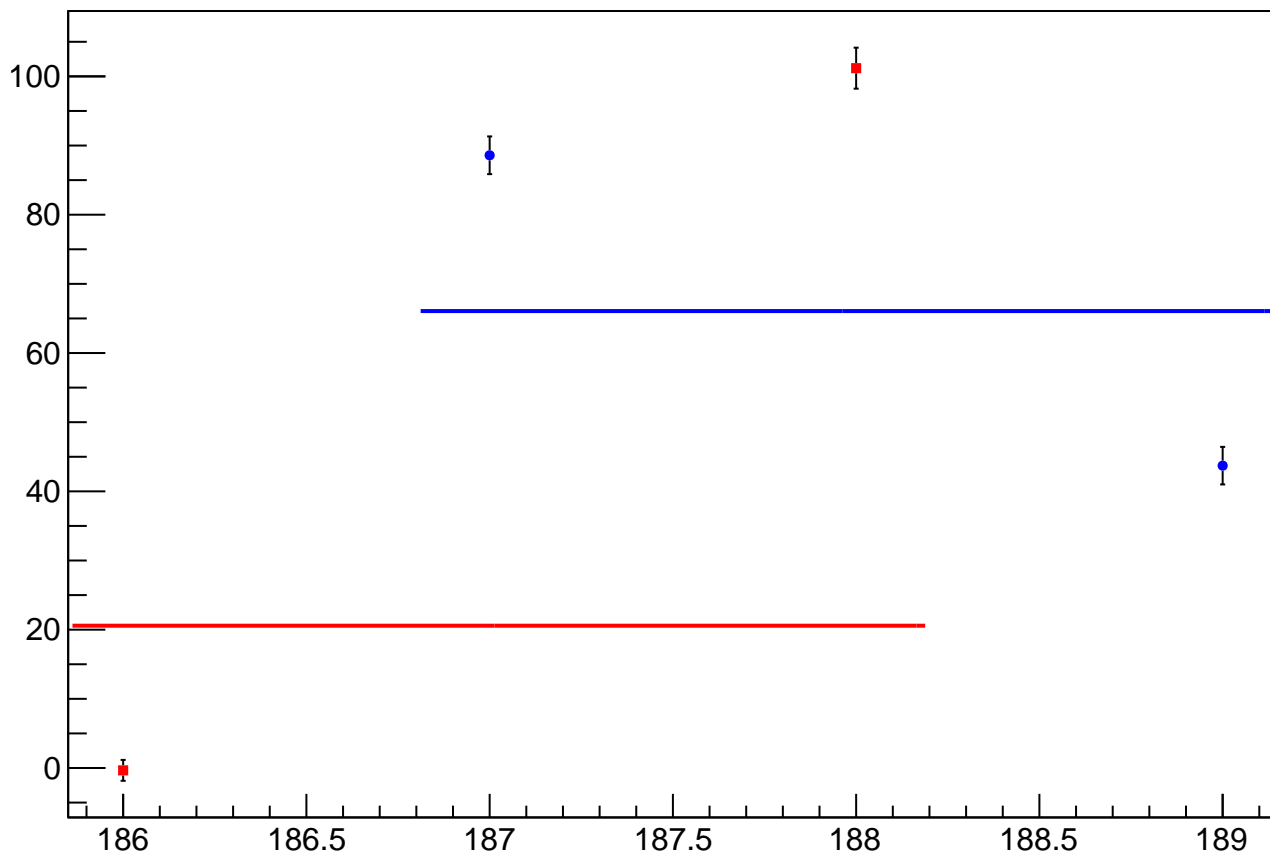
Right: 12.163+/-1.745  $\chi^2$ /NDF: 28.6/3

In: 17.001+/-2.927  $\chi^2$ /NDF:24.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 12.163+/-1.745  $\chi^2$ /NDF: 28.6/3

# reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 66.067+/-1.924  $\chi^2$ /NDF: 136.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 20.575+/-1.345  $\chi^2$ /NDF: 931.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 35.513+/-1.103  $\chi^2$ /NDF: 1442.8/3

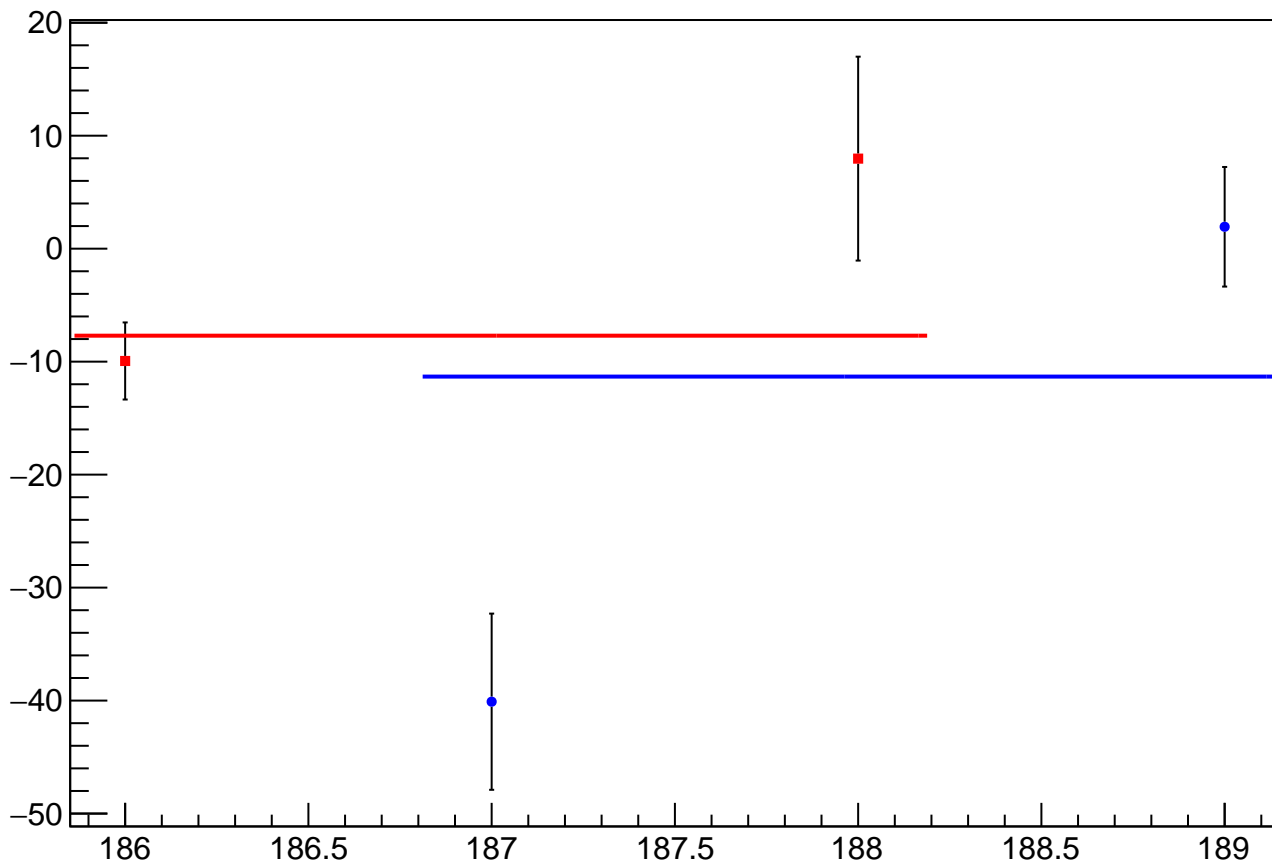
In: 66.067+/-1.924  $\chi^2$ /NDF:136.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 35.513+/-1.103  $\chi^2$ /NDF: 1442.8/3



# reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-11.322 \pm 4.379$   $\chi^2/\text{NDF}: 19.9/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-7.702 \pm 3.191$   $\chi^2/\text{NDF}: 3.4/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

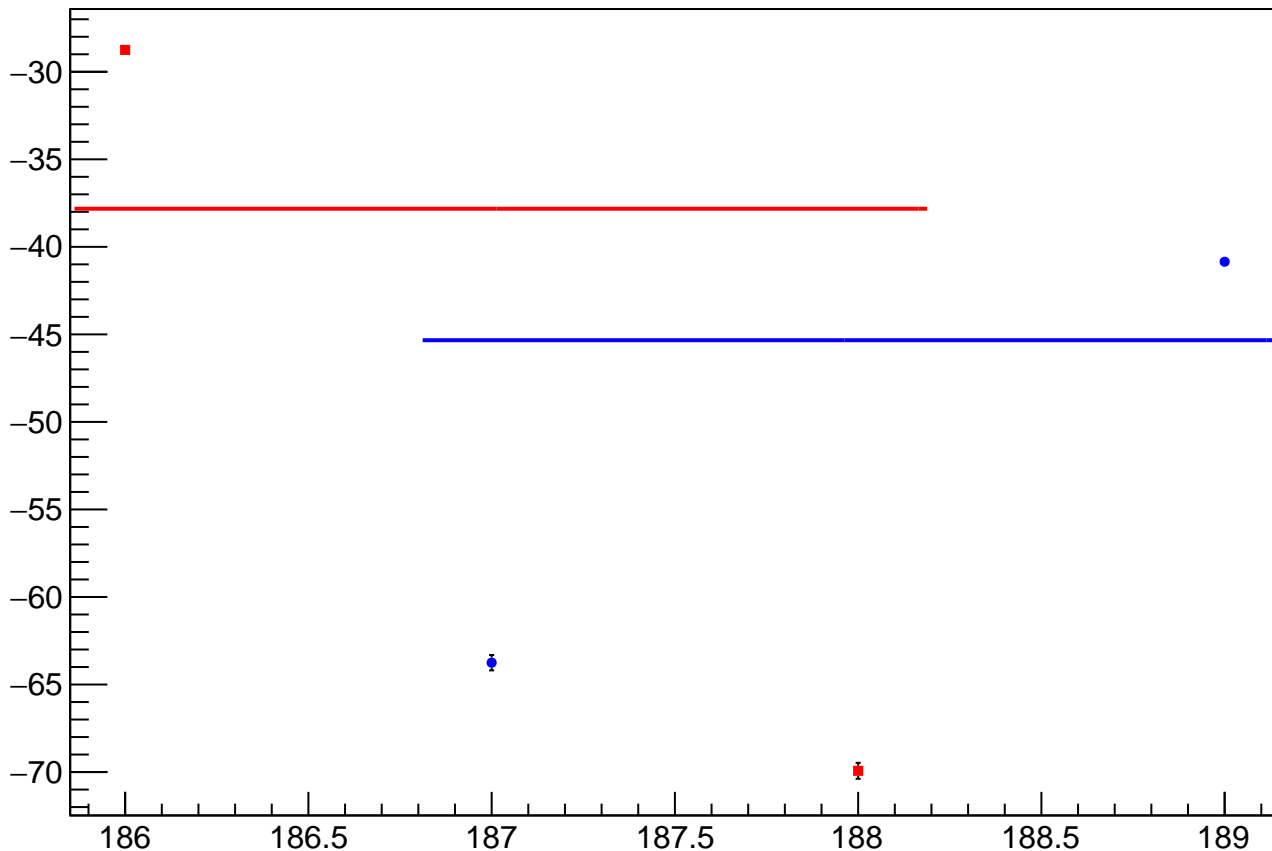
Right:  $-8.957 \pm 2.579$   $\chi^2/\text{NDF}: 23.8/3$

In:  $-11.322 \pm 4.379$   $\chi^2/\text{NDF}: 19.9/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-8.957 \pm 2.579$   $\chi^2/\text{NDF}: 23.8/3$

# reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -45.333+/-0.194  $\chi^2$ /NDF: 2188.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -37.821+/-0.214  $\chi^2$ /NDF: 6356.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

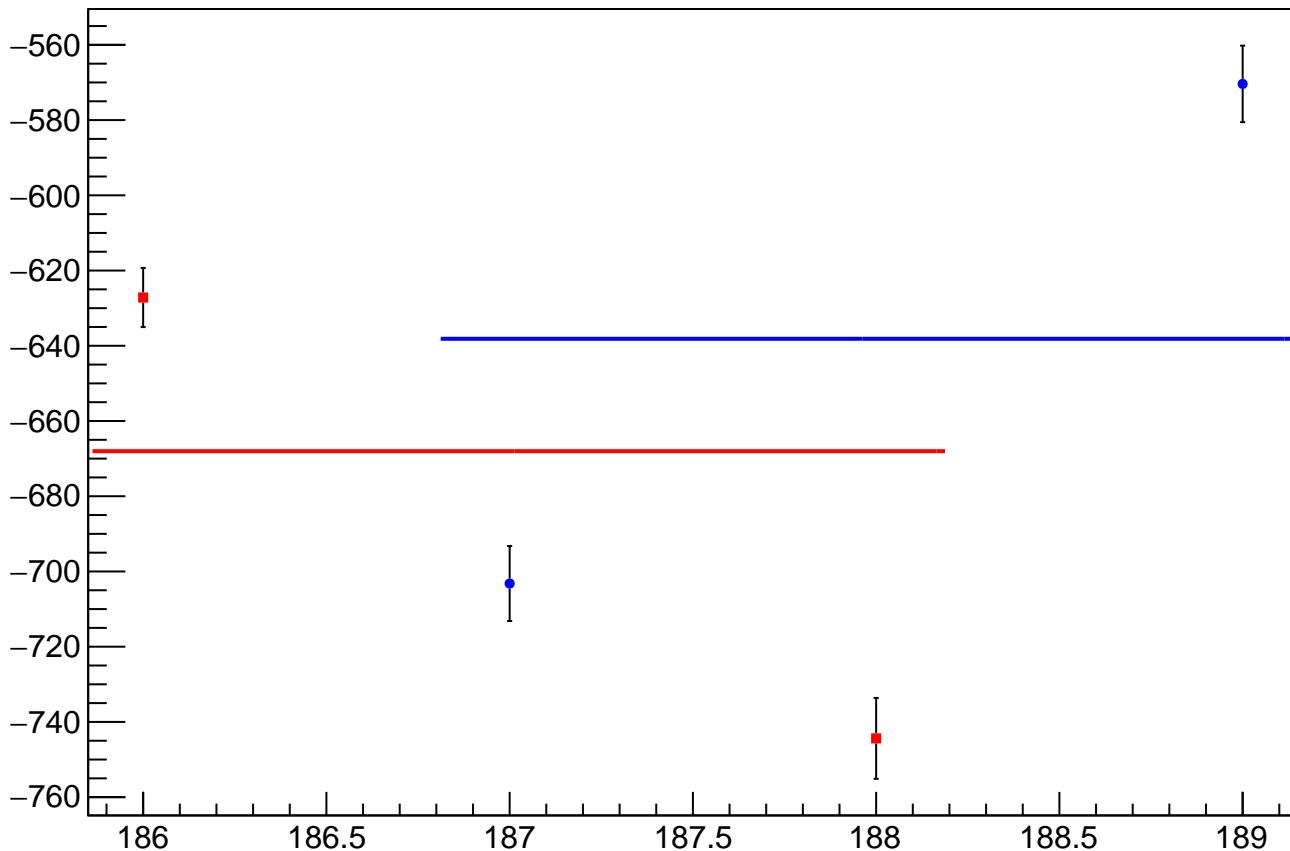
Right: -41.940+/-0.144  $\chi^2$ /NDF: 9220.0/3

In: -45.333+/-0.194  $\chi^2$ /NDF:2188.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -41.940+/-0.144  $\chi^2$ /NDF: 9220.0/3

# reg\_asym\_atr2\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -638.143+/-7.117  $\chi^2$ /NDF: 87.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -668.018+/-6.346  $\chi^2$ /NDF: 77.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

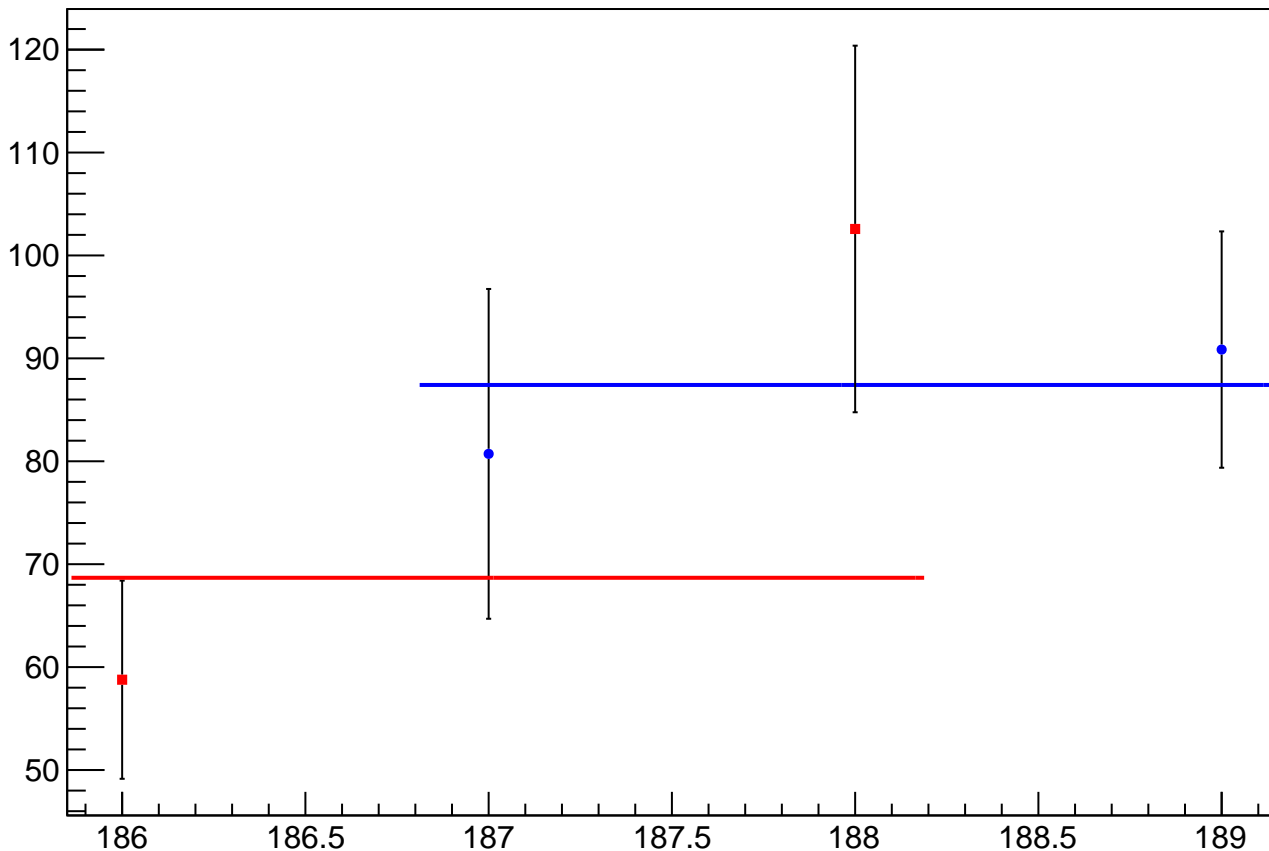
Right: -654.786+/-4.736  $\chi^2$ /NDF: 174.3/3

In: -638.143+/-7.117  $\chi^2$ /NDF:87.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -654.786+/-4.736  $\chi^2$ /NDF: 174.3/3

# reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 87.416+/-9.334  $\chi^2$ /NDF: 0.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 68.679+/-8.470  $\chi^2$ /NDF: 4.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

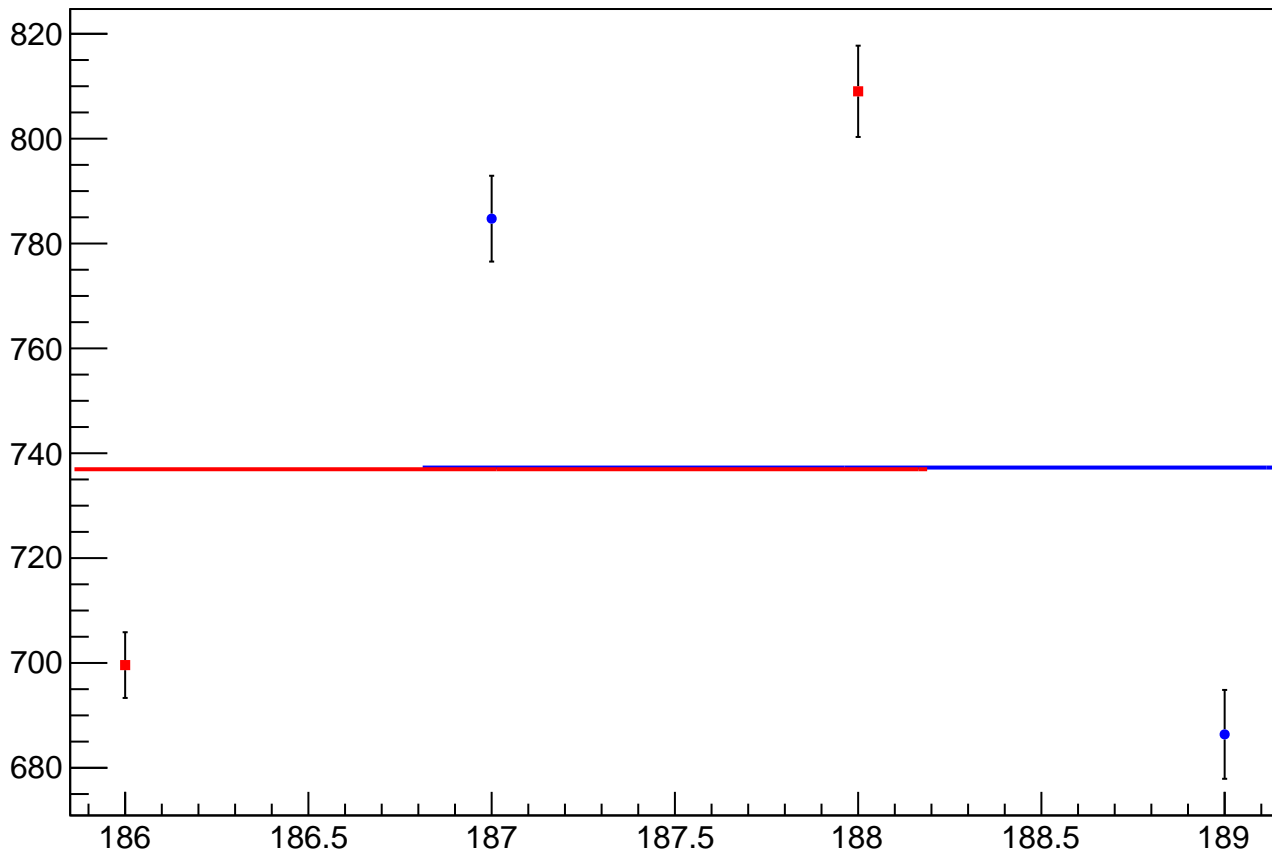
Right: 77.141+/-6.272  $\chi^2$ /NDF: 7.2/3

In: 87.416+/-9.334  $\chi^2$ /NDF:0.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 77.141+/-6.272  $\chi^2$ /NDF: 7.2/3

# reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $737.270 \pm 5.887$   $\chi^2/\text{NDF}: 69.7/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $736.948 \pm 5.087$   $\chi^2/\text{NDF}: 104.1/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

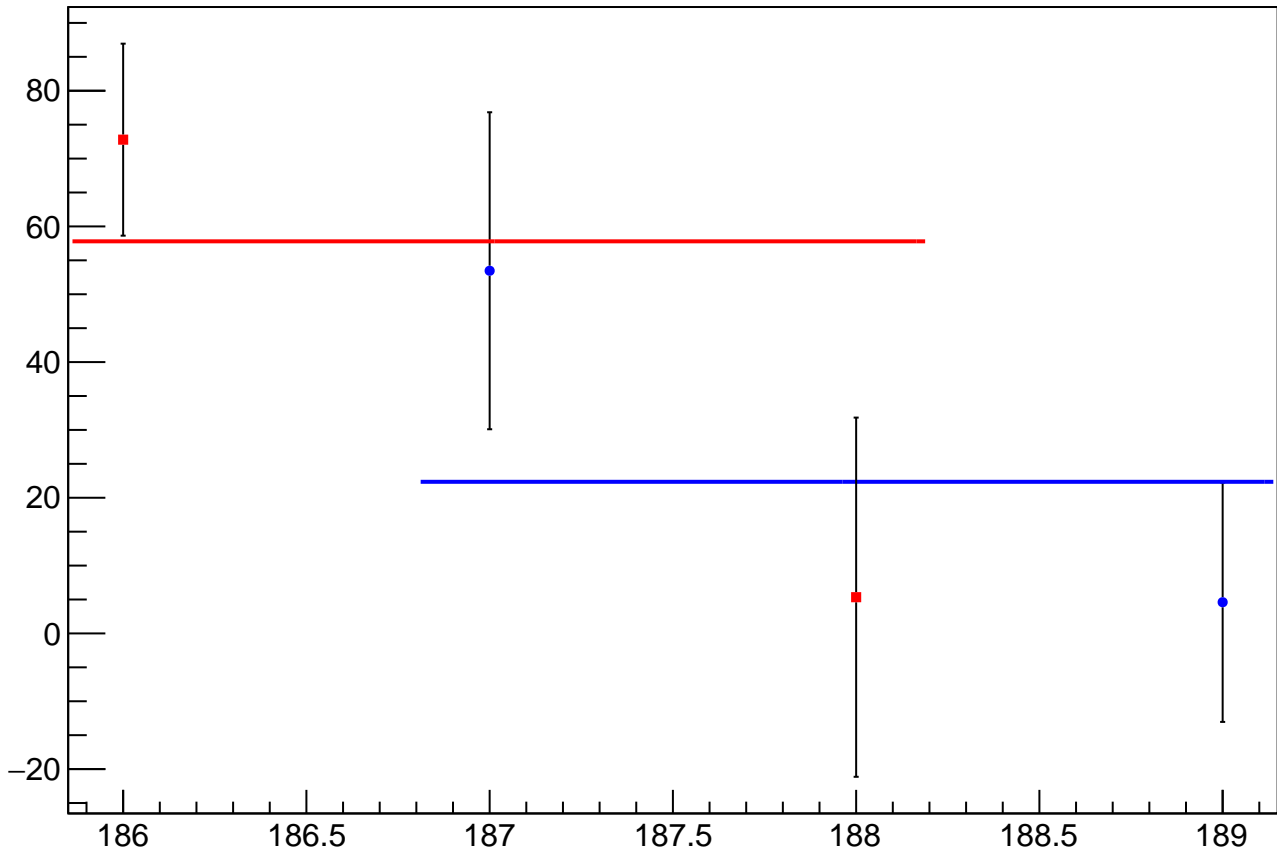
Right:  $737.086 \pm 3.849$   $\chi^2/\text{NDF}: 173.8/3$

In:  $737.270 \pm 5.887$   $\chi^2/\text{NDF}: 69.7/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $737.086 \pm 3.849$   $\chi^2/\text{NDF}: 173.8/3$

# reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 22.351+/-14.083  $\chi^2$ /NDF: 2.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 57.802+/-12.481  $\chi^2$ /NDF: 5.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

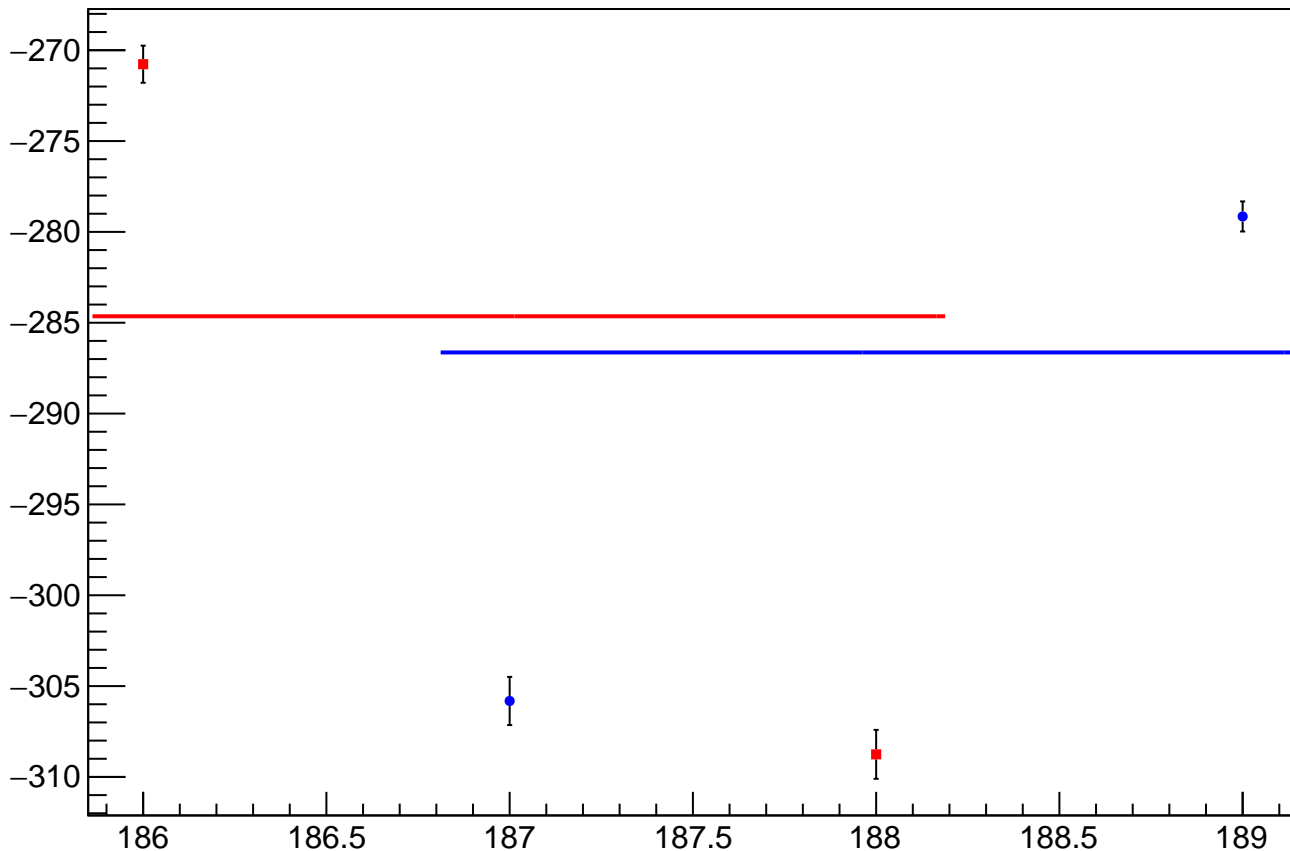
Right: 42.207+/-9.340  $\chi^2$ /NDF: 11.4/3

In: 22.351+/-14.083  $\chi^2$ /NDF:2.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 42.207+/-9.340  $\chi^2$ /NDF: 11.4/3

# reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -286.635+/-0.702  $\chi^2$ /NDF: 291.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -284.645+/-0.813  $\chi^2$ /NDF: 505.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

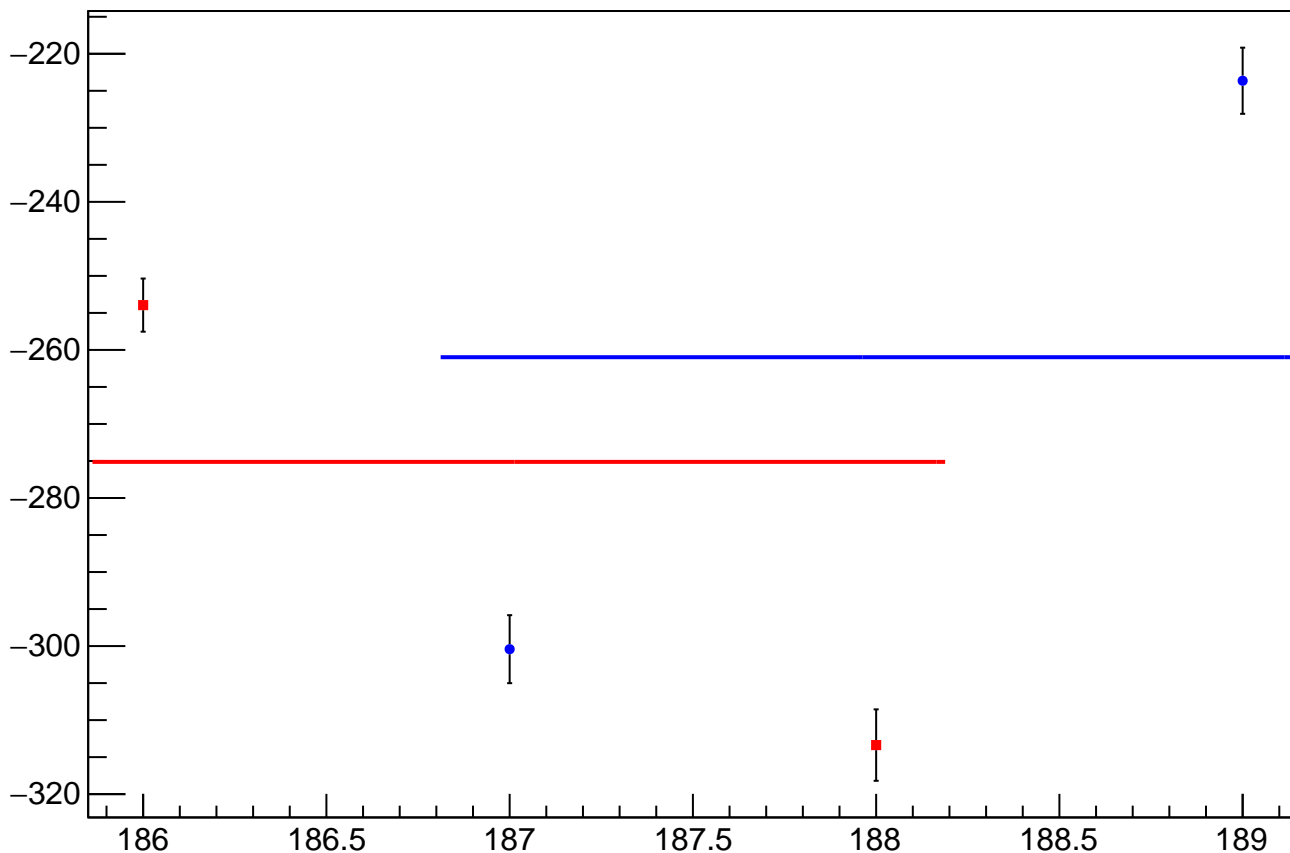
Right: -285.785+/-0.531  $\chi^2$ /NDF: 800.3/3

In: -286.635+/-0.702  $\chi^2$ /NDF:291.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -285.785+/-0.531  $\chi^2$ /NDF: 800.3/3

# reg\_asym\_atl\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -260.983+/-3.202  $\chi^2$ /NDF: 143.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -275.122+/-2.880  $\chi^2$ /NDF: 97.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -268.800+/-2.141  $\chi^2$ /NDF: 252.1/3

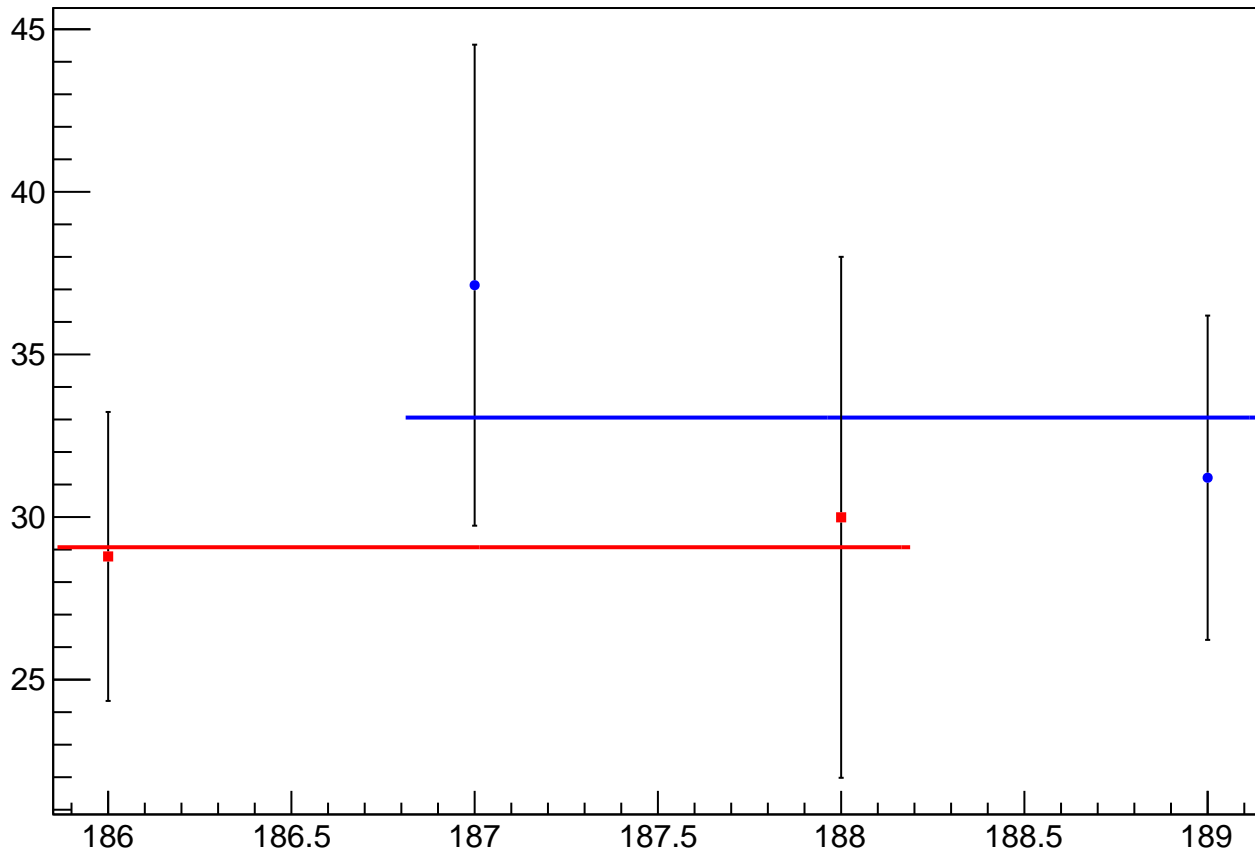
In: -260.983+/-3.202  $\chi^2$ /NDF:143.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -268.800+/-2.141  $\chi^2$ /NDF: 252.1/3



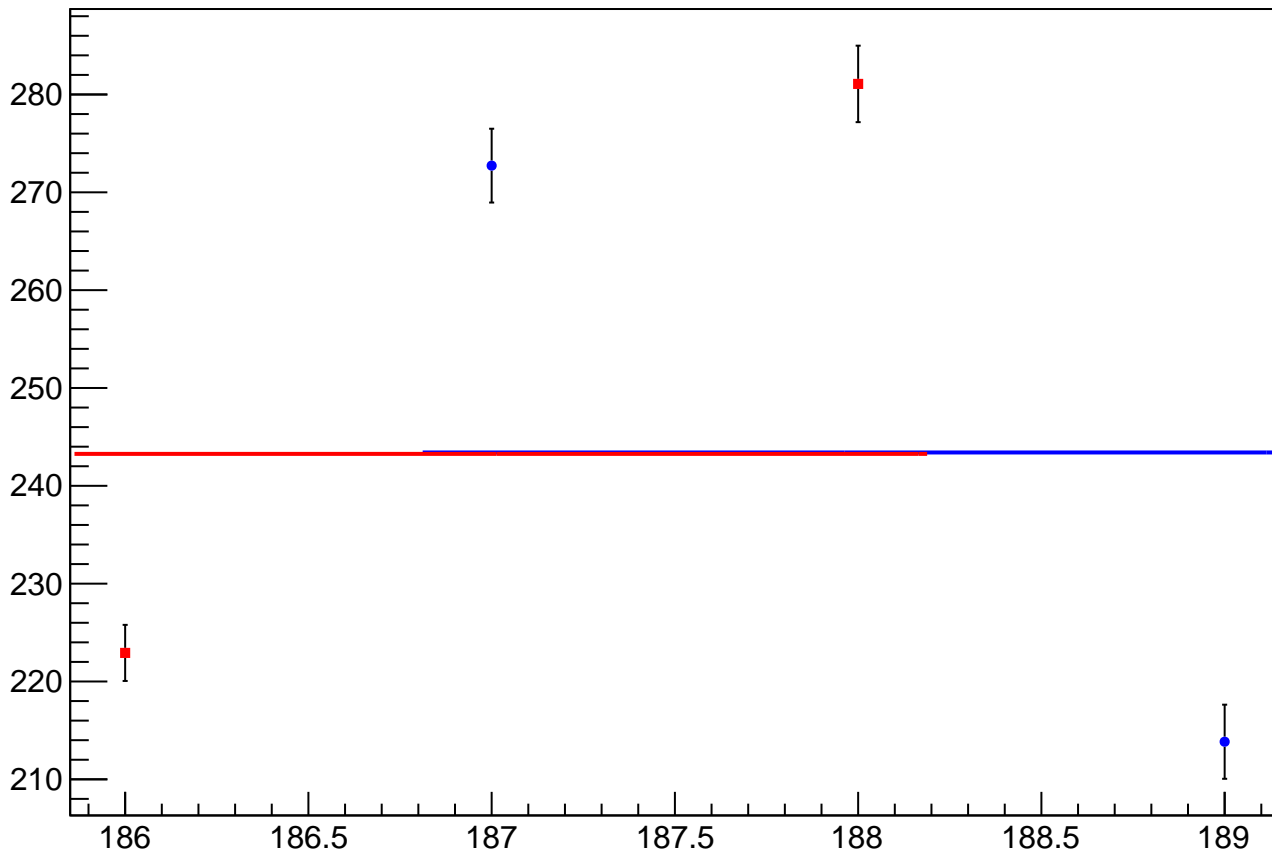
reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 33.059+/-4.134  $\chi^2$ /NDF: 0.4/1  
 Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 Right Out: 29.072+/-3.885  $\chi^2$ /NDF: 0.0/1  
 Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
 Right: 30.942+/-2.831  $\chi^2$ /NDF: 1.0/3  
 In: 33.059+/-4.134  $\chi^2$ /NDF:0.4/1  
 Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
 All: 30.942+/-2.831  $\chi^2$ /NDF: 1.0/3

# reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 243.409+/-2.673  $\chi^2$ /NDF: 121.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 243.264+/-2.312  $\chi^2$ /NDF: 144.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

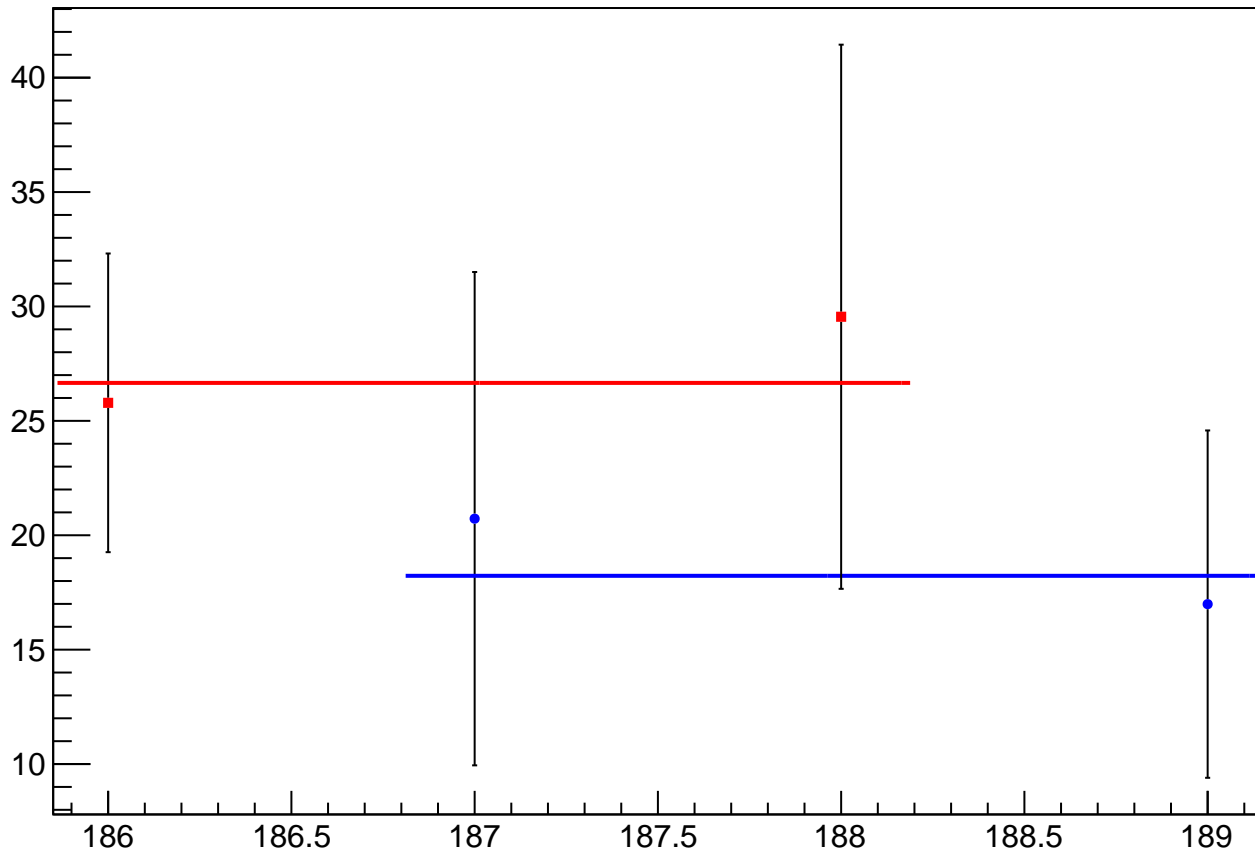
Right: 243.326+/-1.749  $\chi^2$ /NDF: 265.3/3

In: 243.409+/-2.673  $\chi^2$ /NDF:121.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 243.326+/-1.749  $\chi^2$ /NDF: 265.3/3

reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 18.228+/-6.207  $\chi^2$ /NDF: 0.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 26.659+/-5.722  $\chi^2$ /NDF: 0.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

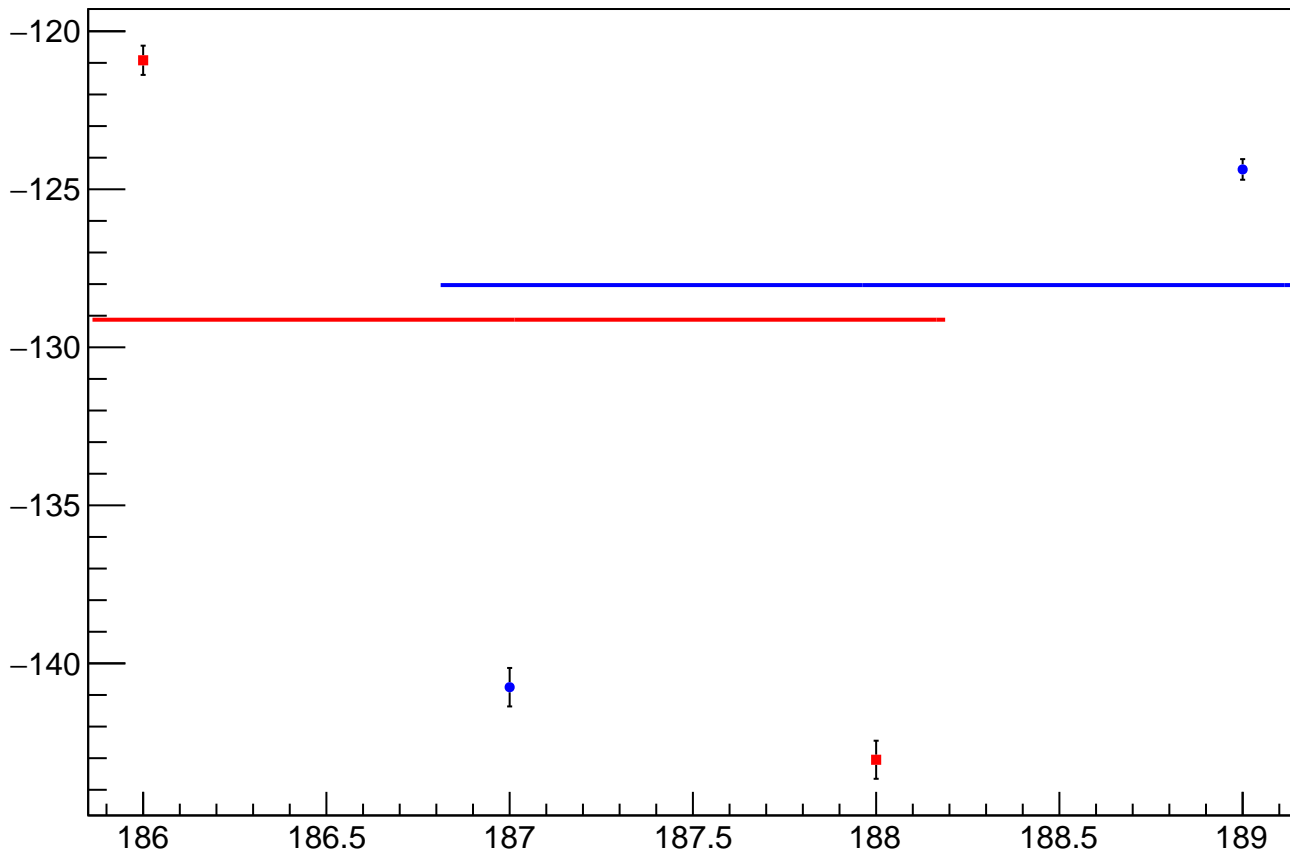
Right: 22.785+/-4.207  $\chi^2$ /NDF: 1.2/3

In: 18.228+/-6.207  $\chi^2$ /NDF:0.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 22.785+/-4.207  $\chi^2$ /NDF: 1.2/3

# reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -128.031+/-0.288  $\chi^2$ /NDF: 562.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -129.126+/-0.367  $\chi^2$ /NDF: 848.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

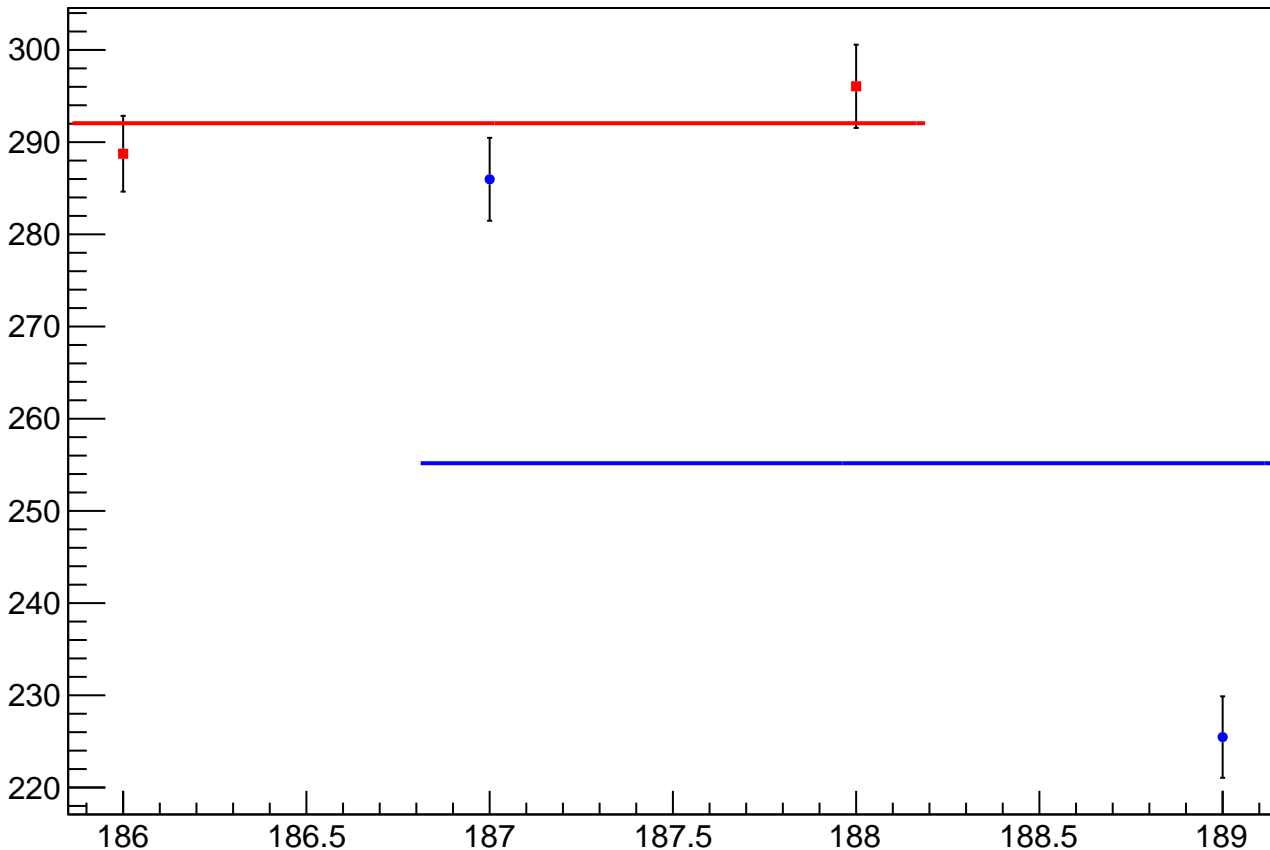
Right: -128.448+/-0.226  $\chi^2$ /NDF: 1416.9/3

In: -128.031+/-0.288  $\chi^2$ /NDF:562.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -128.448+/-0.226  $\chi^2$ /NDF: 1416.9/3

# reg\_asym\_atl\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 255.175+/-3.152  $\chi^2$ /NDF: 92.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 292.052+/-3.041  $\chi^2$ /NDF: 1.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

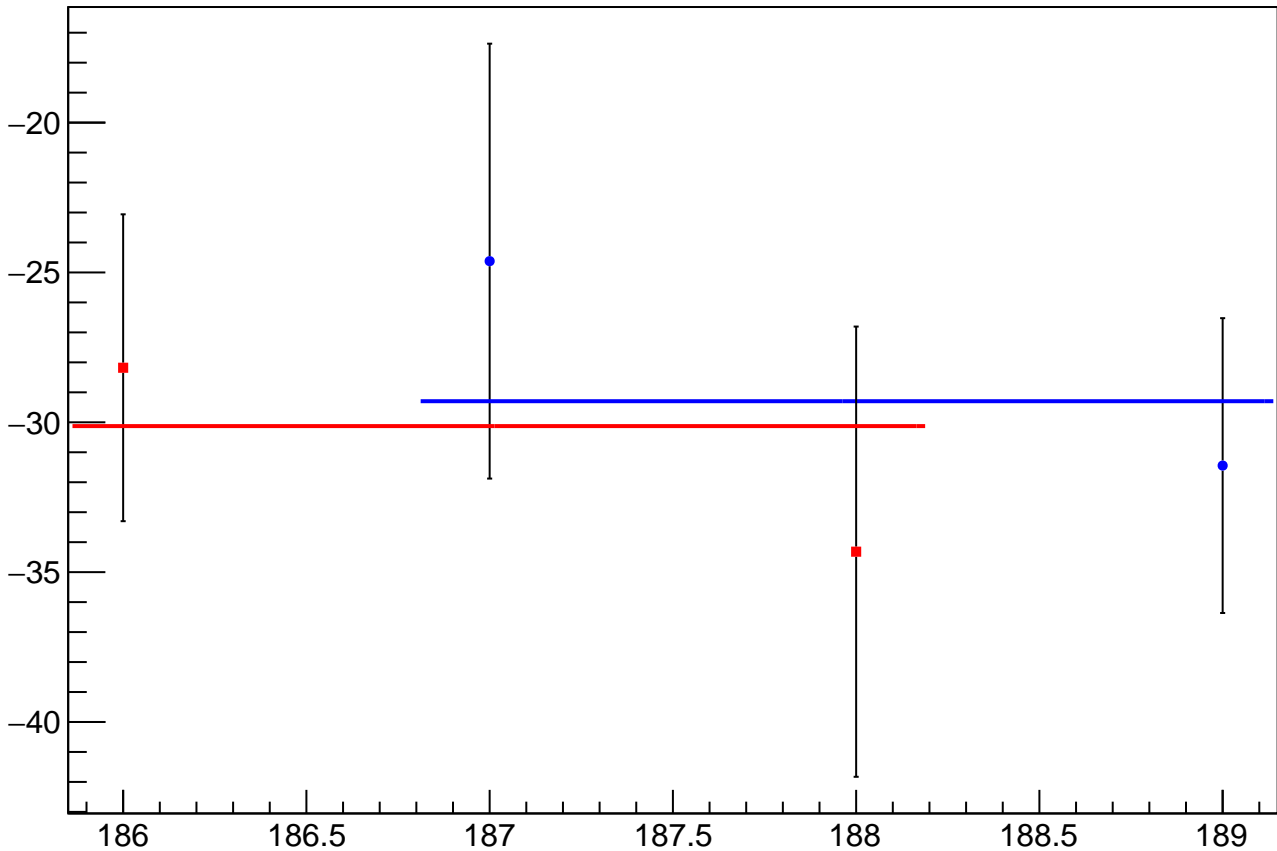
Right: 274.274+/-2.189  $\chi^2$ /NDF: 164.4/3

In: 255.175+/-3.152  $\chi^2$ /NDF:92.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 274.274+/-2.189  $\chi^2$ /NDF: 164.4/3

reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -29.296 $\pm$ 4.071  $\chi^2$ /NDF: 0.6/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -30.127 $\pm$ 4.231  $\chi^2$ /NDF: 0.5/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

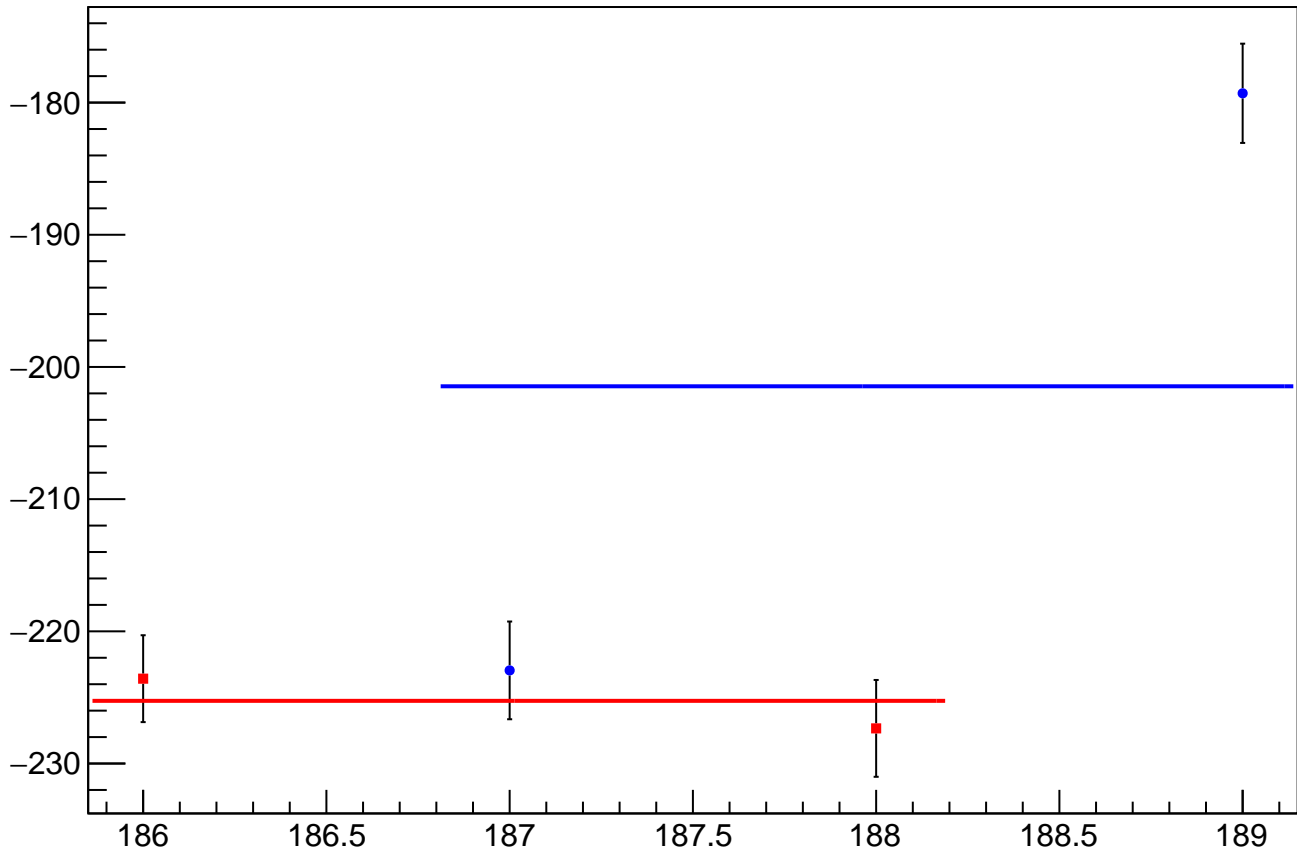
Right: -29.695 $\pm$ 2.934  $\chi^2$ /NDF: 1.1/3

In: -29.296 $\pm$ 4.071  $\chi^2$ /NDF:0.6/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -29.695 $\pm$ 2.934  $\chi^2$ /NDF: 1.1/3

# reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-201.463 \pm 2.634$   $\chi^2/\text{NDF}$ : 68.7/1

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-225.258 \pm 2.446$   $\chi^2/\text{NDF}$ : 0.6/1

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

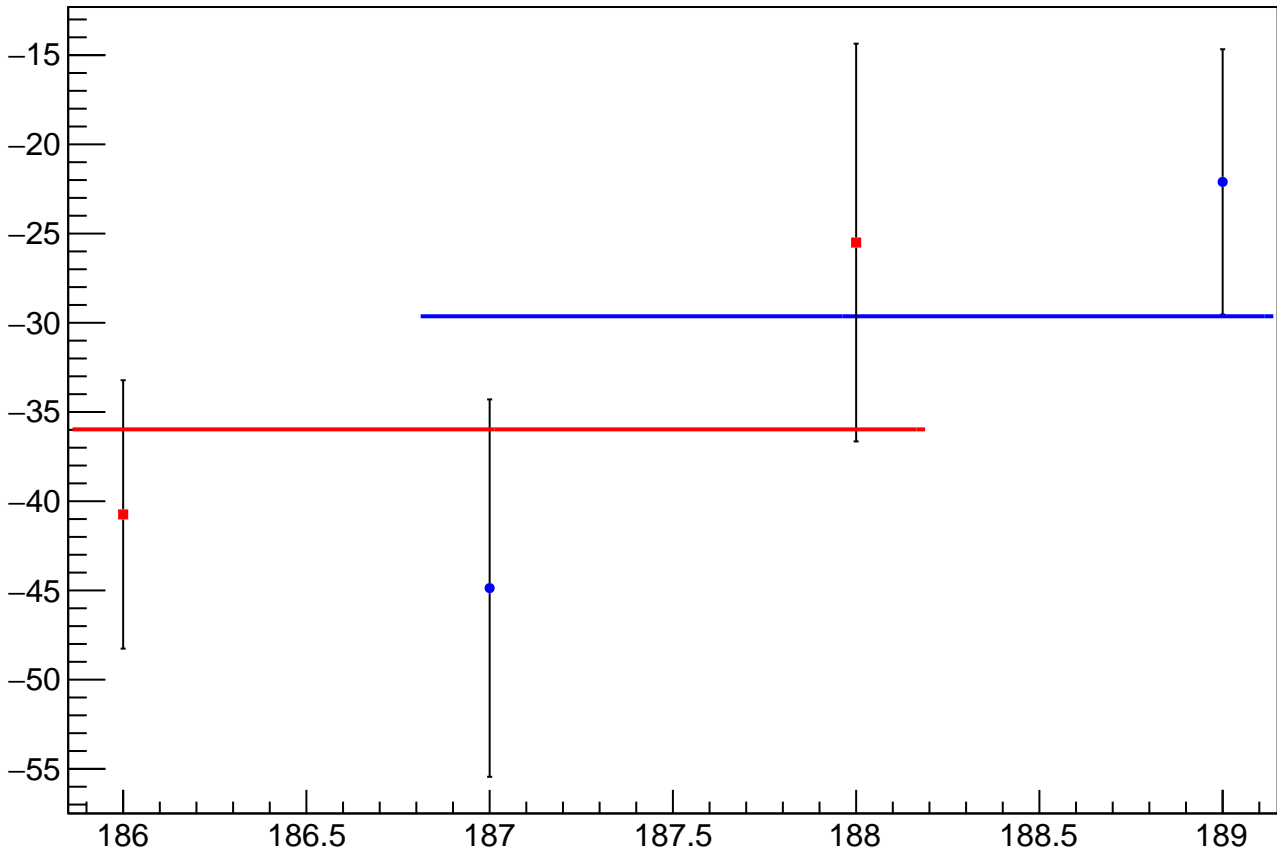
Right:  $-214.241 \pm 1.792$   $\chi^2/\text{NDF}$ : 113.1/3

In:  $-201.463 \pm 2.634$   $\chi^2/\text{NDF}$ : 68.7/1

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-214.241 \pm 1.792$   $\chi^2/\text{NDF}$ : 113.1/3

reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -29.635+/-6.083  $\chi^2$ /NDF: 3.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -35.974+/-6.234  $\chi^2$ /NDF: 1.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -32.726+/-4.354  $\chi^2$ /NDF: 4.9/3

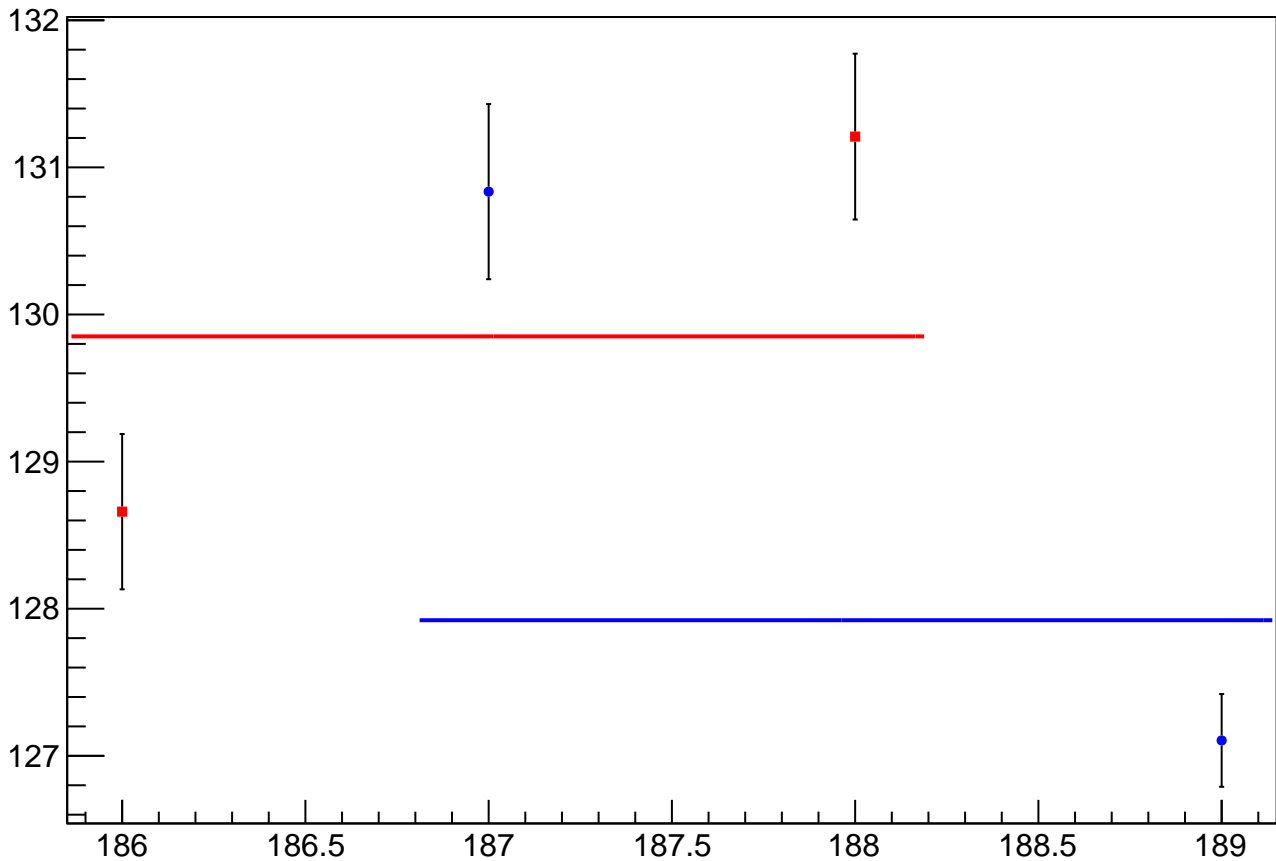
In: -29.635+/-6.083  $\chi^2$ /NDF:3.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -32.726+/-4.354  $\chi^2$ /NDF: 4.9/3



# reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 127.922+/-0.279  $\chi^2$ /NDF: 30.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 129.851+/-0.385  $\chi^2$ /NDF: 10.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

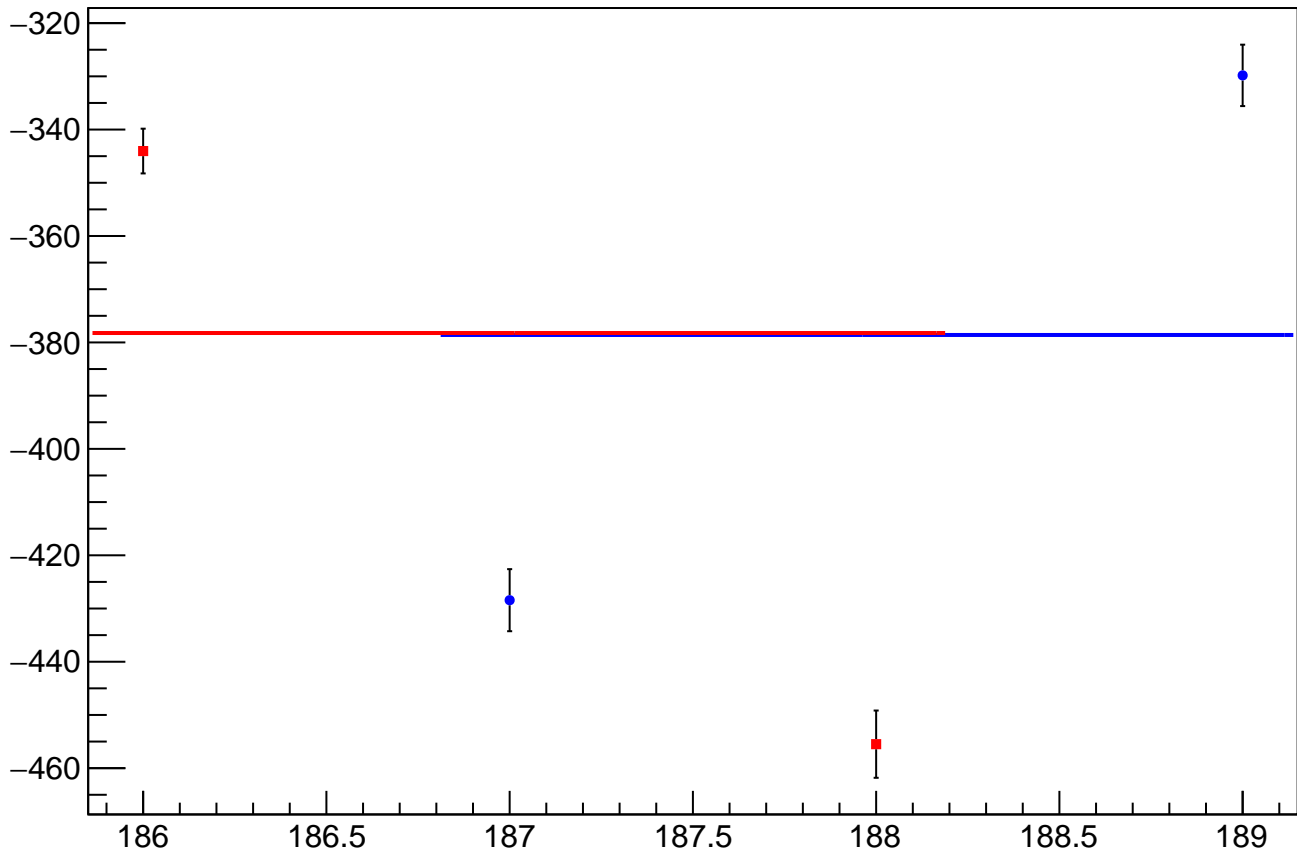
Right: 128.584+/-0.226  $\chi^2$ /NDF: 58.0/3

In: 127.922+/-0.279  $\chi^2$ /NDF:30.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 128.584+/-0.226  $\chi^2$ /NDF: 58.0/3

# reg\_asym\_atr\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -378.599+/-4.102  $\chi^2$ /NDF: 144.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -378.230+/-3.500  $\chi^2$ /NDF: 215.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

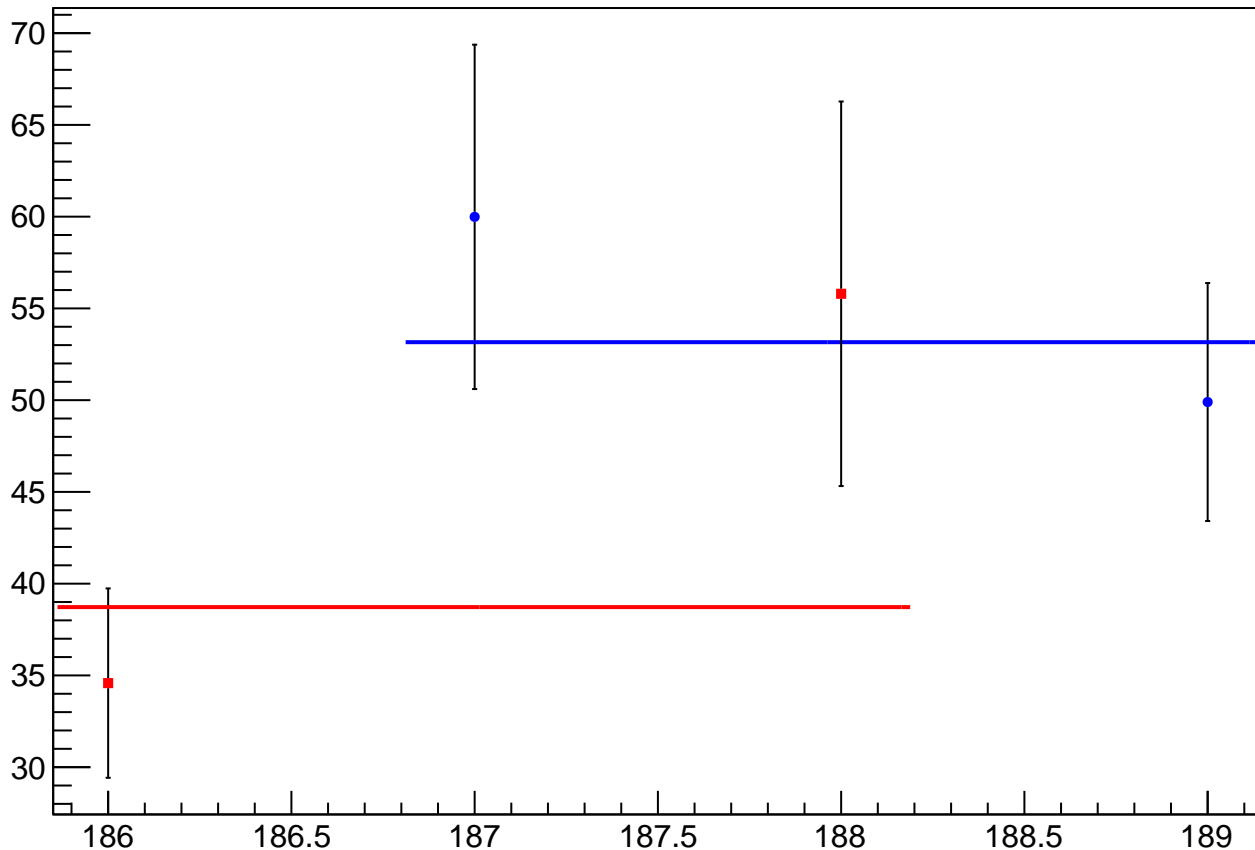
Right: -378.386+/-2.662  $\chi^2$ /NDF: 360.1/3

In: -378.599+/-4.102  $\chi^2$ /NDF:144.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -378.386+/-2.662  $\chi^2$ /NDF: 360.1/3

reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 53.160+/-5.335  $\chi^2$ /NDF: 0.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 38.722+/-4.629  $\chi^2$ /NDF: 3.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

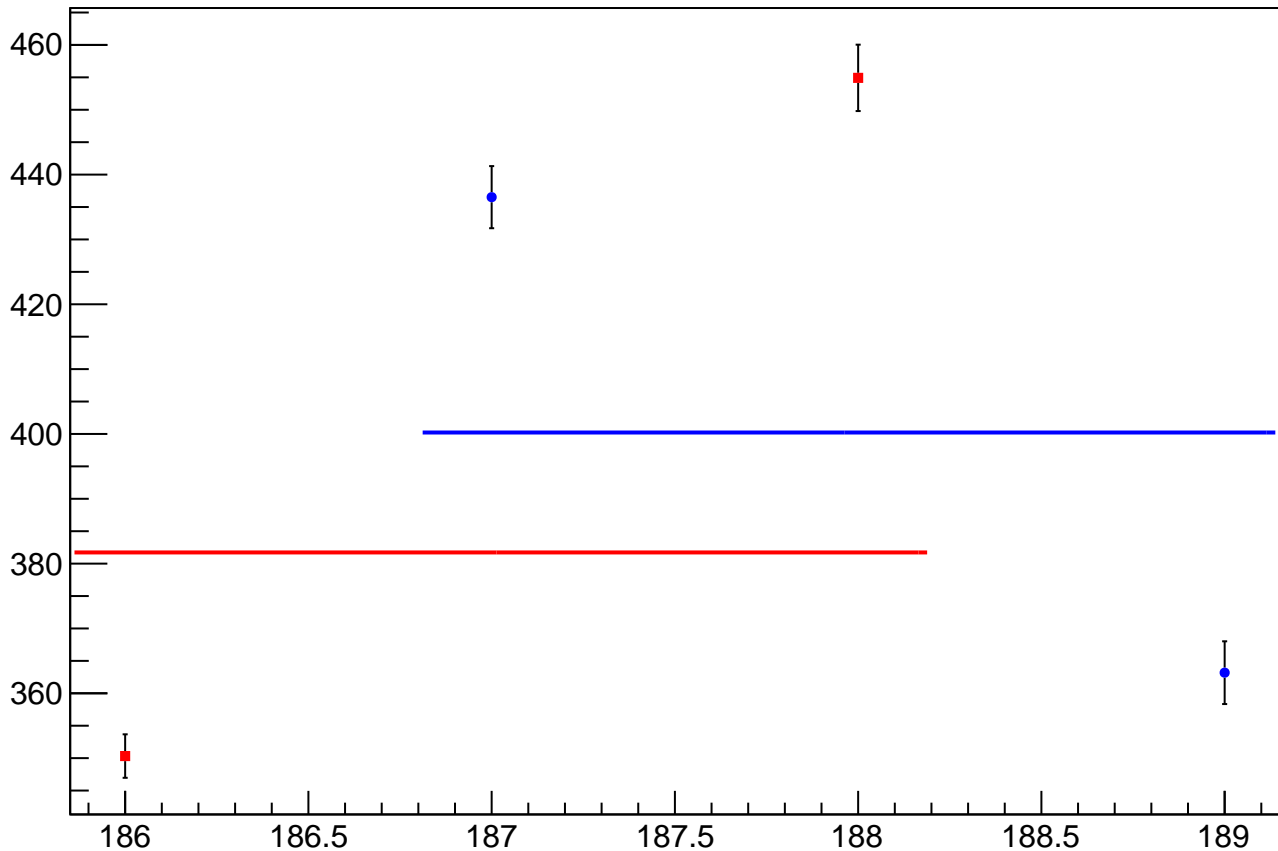
Right: 44.924+/-3.496  $\chi^2$ /NDF: 8.3/3

In: 53.160+/-5.335  $\chi^2$ /NDF:0.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 44.924+/-3.496  $\chi^2$ /NDF: 8.3/3

# reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 400.222+/-3.404  $\chi^2$ /NDF: 116.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 381.724+/-2.805  $\chi^2$ /NDF: 292.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

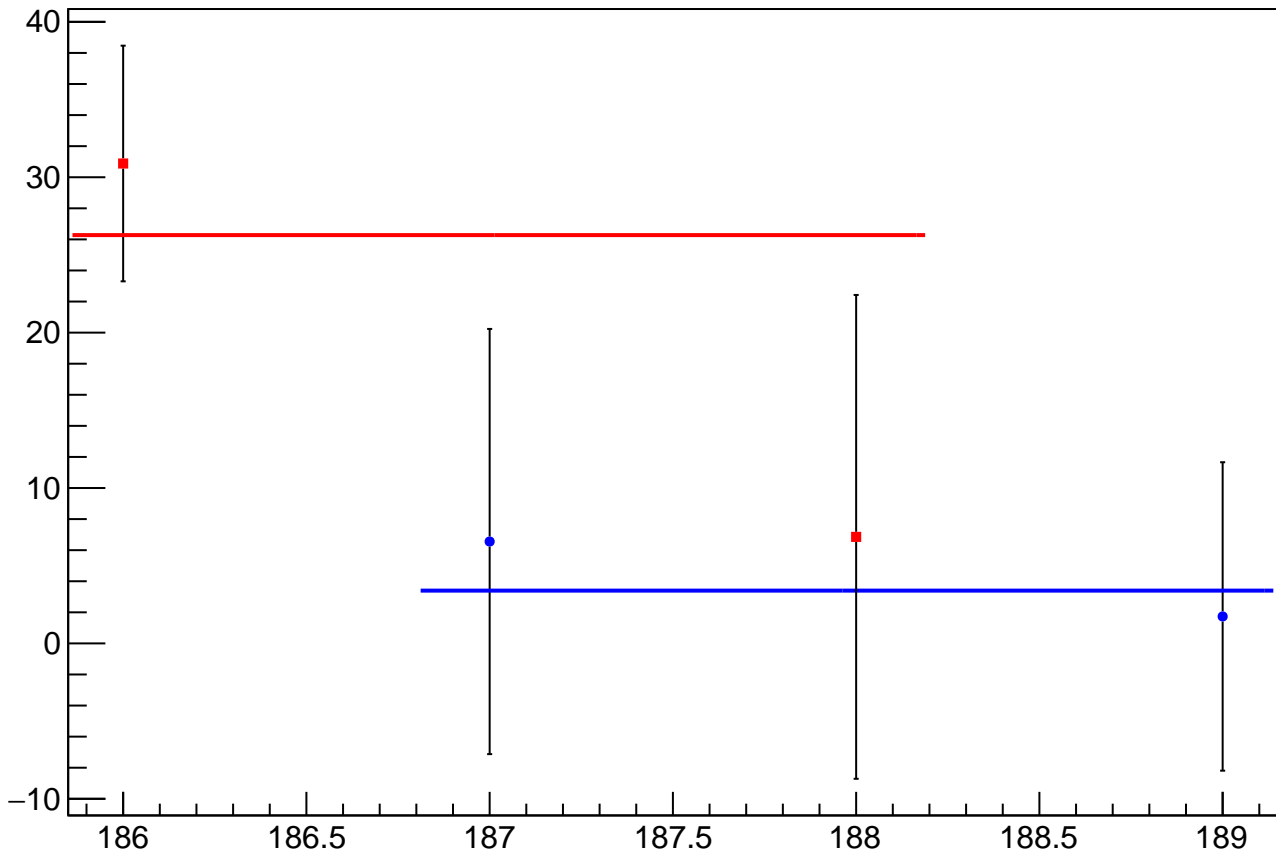
Right: 389.204+/-2.165  $\chi^2$ /NDF: 425.8/3

In: 400.222+/-3.404  $\chi^2$ /NDF:116.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 389.204+/-2.165  $\chi^2$ /NDF: 425.8/3

# reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 3.397+/-8.034  $\chi^2/\text{NDF}$ : 0.1/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 26.277+/-6.818  $\chi^2/\text{NDF}$ : 1.9/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

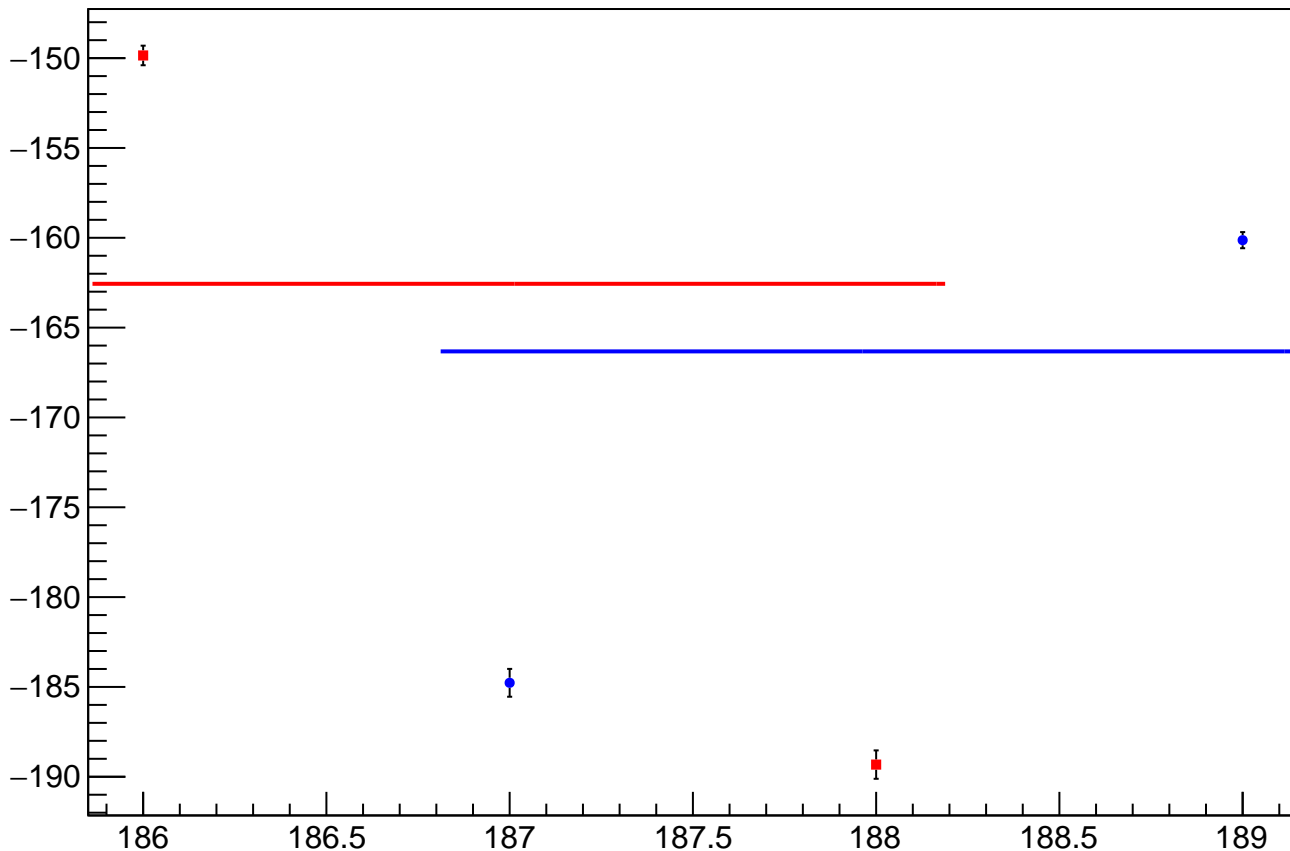
Right: 16.698+/-5.198  $\chi^2/\text{NDF}$ : 6.7/3

In: 3.397+/-8.034  $\chi^2/\text{NDF}$ : 0.1/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 16.698+/-5.198  $\chi^2/\text{NDF}$ : 6.7/3

# reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -166.323+/-0.388  $\chi^2$ /NDF: 757.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -162.561+/-0.449  $\chi^2$ /NDF: 1689.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

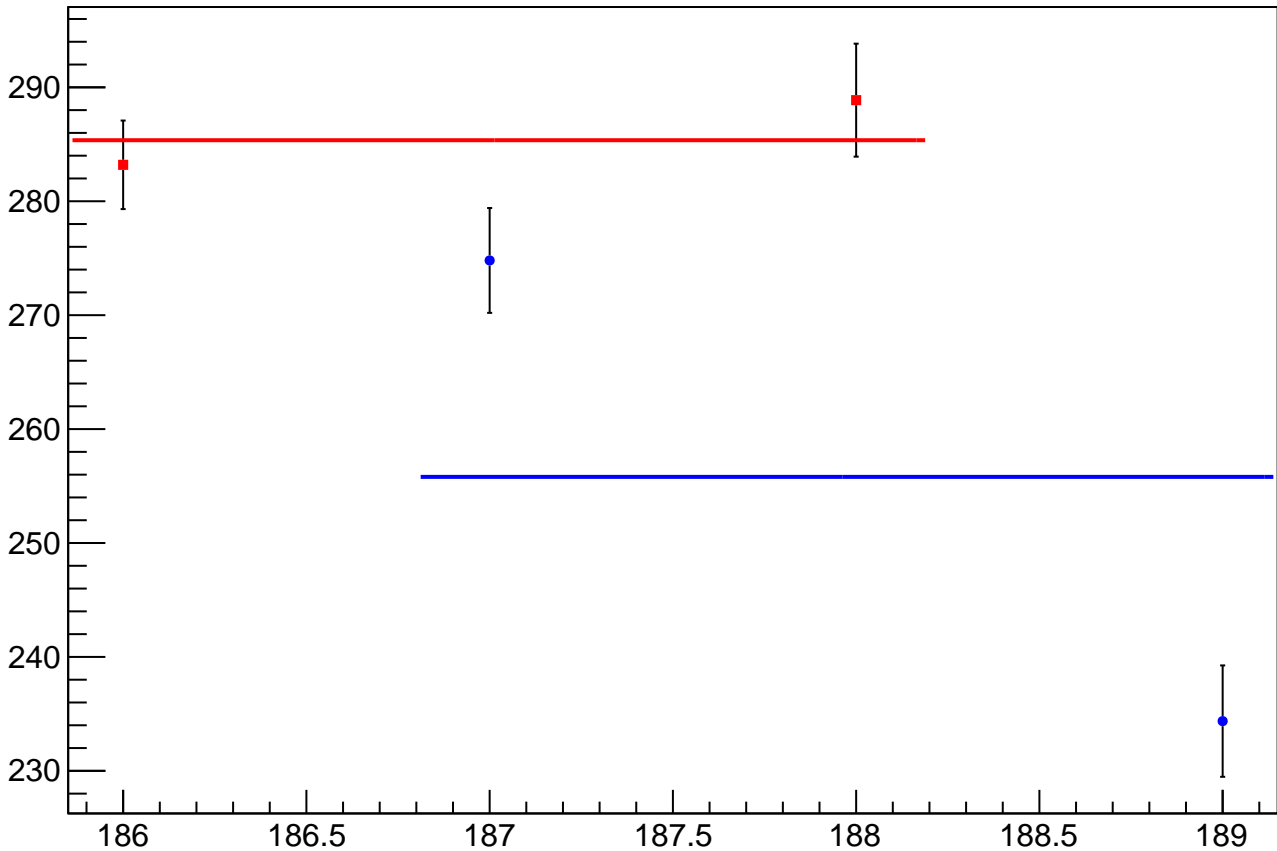
Right: -164.712+/-0.294  $\chi^2$ /NDF: 2487.3/3

In: -166.323+/-0.388  $\chi^2$ /NDF:757.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -164.712+/-0.294  $\chi^2$ /NDF: 2487.3/3

# reg\_asym\_atr\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $255.805 \pm 3.351$   $\chi^2/\text{NDF}: 36.3/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $285.357 \pm 3.059$   $\chi^2/\text{NDF}: 0.8/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

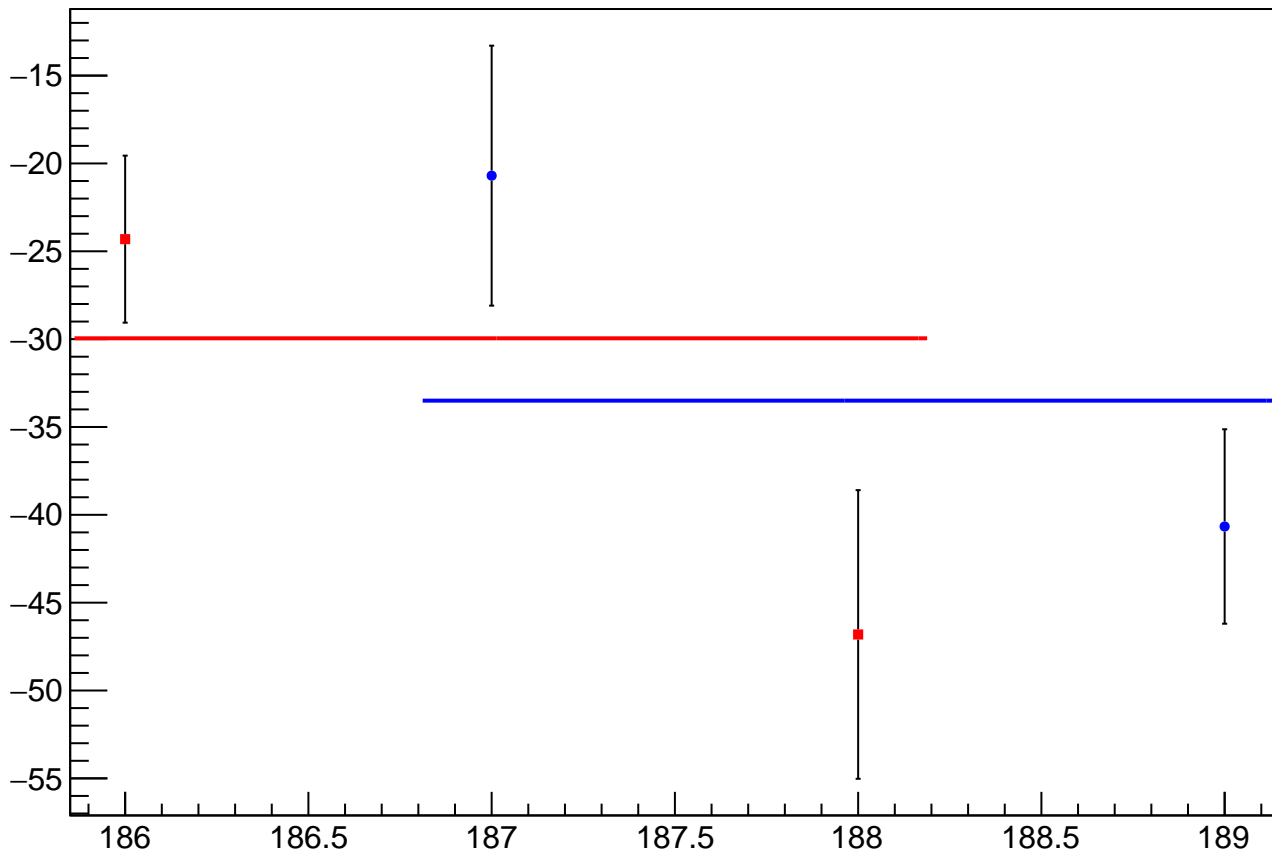
Right:  $271.925 \pm 2.259$   $\chi^2/\text{NDF}: 79.5/3$

In:  $255.805 \pm 3.351$   $\chi^2/\text{NDF}: 36.3/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $271.925 \pm 2.259$   $\chi^2/\text{NDF}: 79.5/3$

reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -31.596+/-3.015  $\chi^2$ /NDF: 10.6/3

In: -33.501+/-4.431  $\chi^2$ /NDF:4.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -31.596+/-3.015  $\chi^2$ /NDF: 10.6/3

Right In: -33.501+/-4.431  $\chi^2$ /NDF: 4.7/1

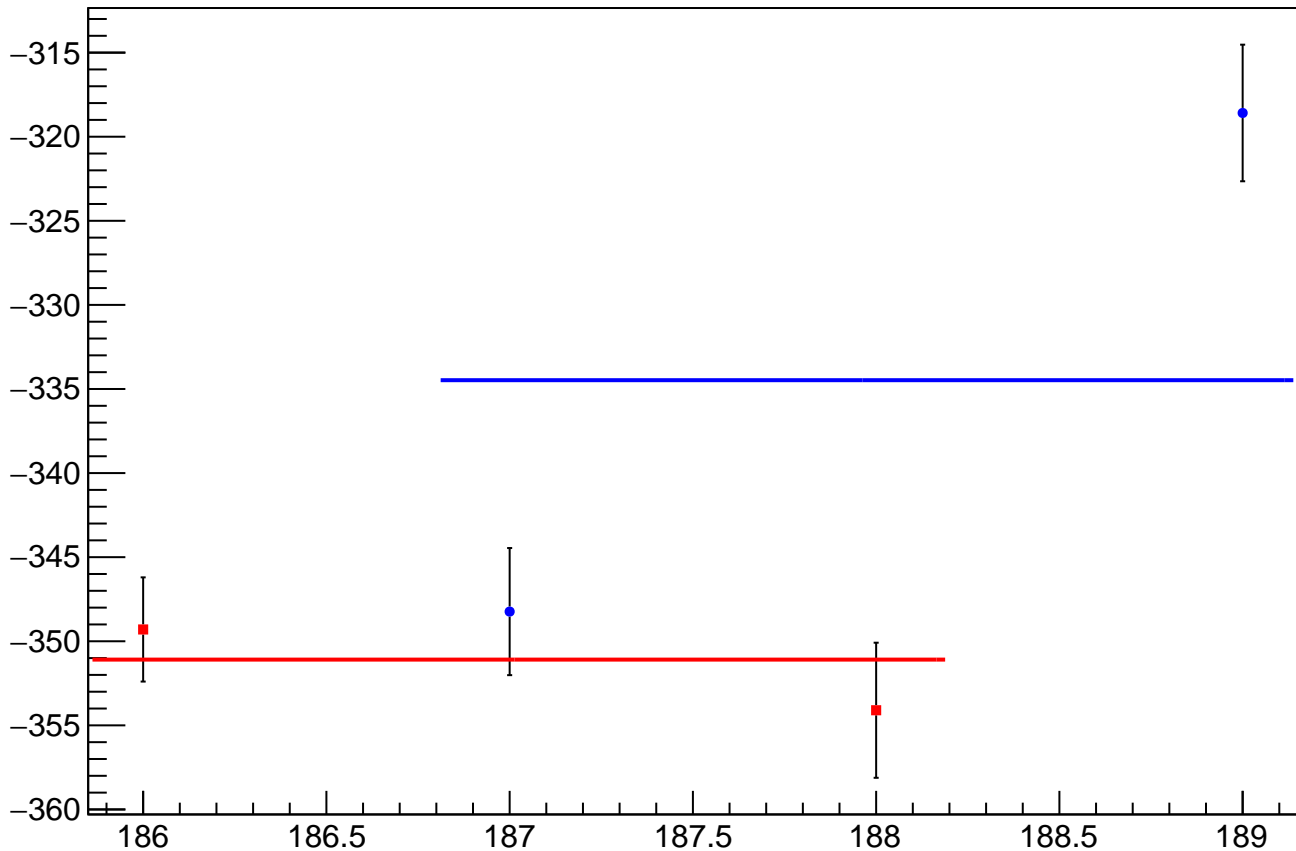
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -29.953+/-4.114  $\chi^2$ /NDF: 5.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0



# reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-334.477 \pm 2.767$   $\chi^2/\text{NDF}: 28.6/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-351.090 \pm 2.453$   $\chi^2/\text{NDF}: 0.9/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

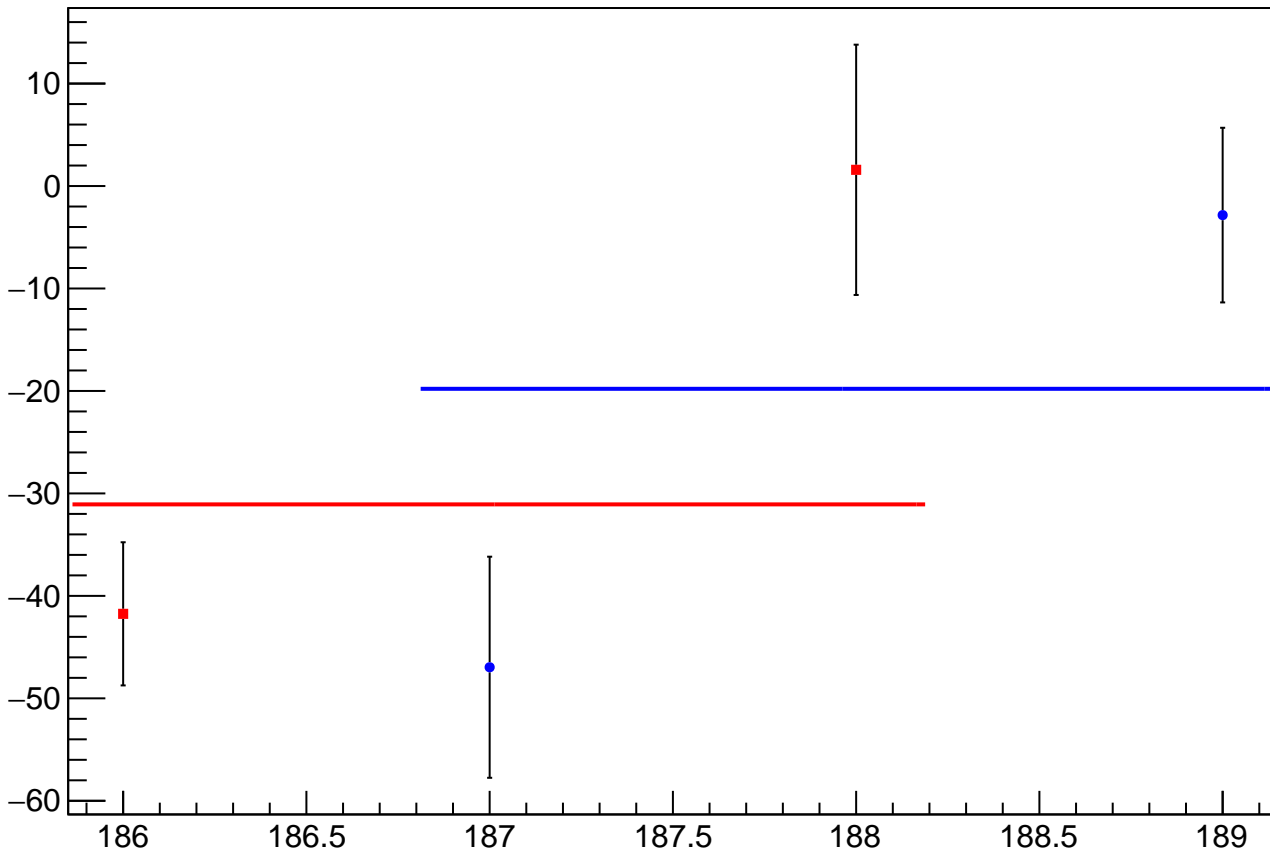
Right:  $-343.778 \pm 1.835$   $\chi^2/\text{NDF}: 49.6/3$

In:  $-334.477 \pm 2.767$   $\chi^2/\text{NDF}: 28.6/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-343.778 \pm 1.835$   $\chi^2/\text{NDF}: 49.6/3$

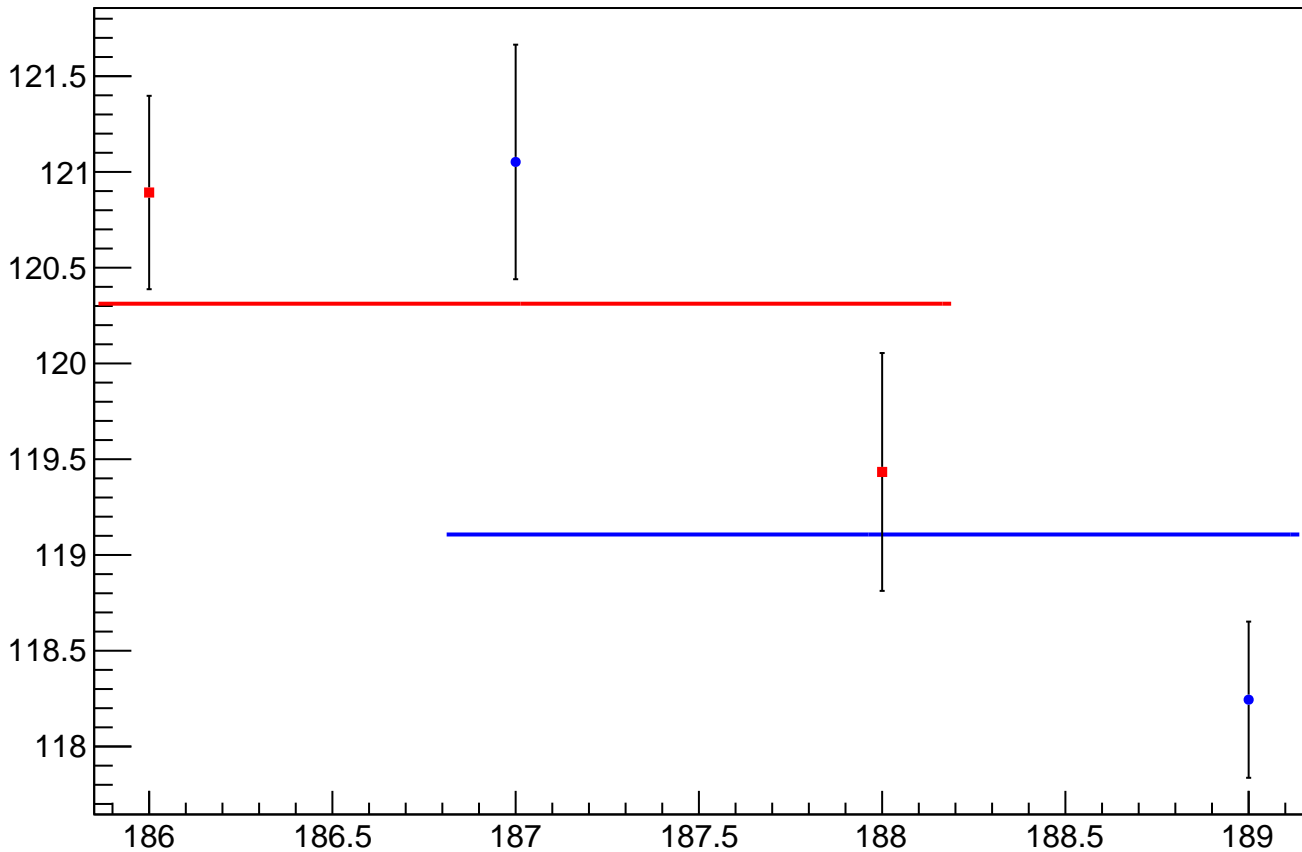
# reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -19.790+/-6.688  $\chi^2/\text{NDF}$ : 10.3/1  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0  
 Right Out: -31.070+/-6.064  $\chi^2/\text{NDF}$ : 9.5/1  
 Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right: -25.981+/-4.492  $\chi^2/\text{NDF}$ : 21.3/3  
 In: -19.790+/-6.688  $\chi^2/\text{NDF}$ :10.3/1  
 Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0  
 All: -25.981+/-4.492  $\chi^2/\text{NDF}$ : 21.3/3

# reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 119.107 $\pm$ 0.339  $\chi^2$ /NDF: 14.6/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 120.312 $\pm$ 0.392  $\chi^2$ /NDF: 3.3/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

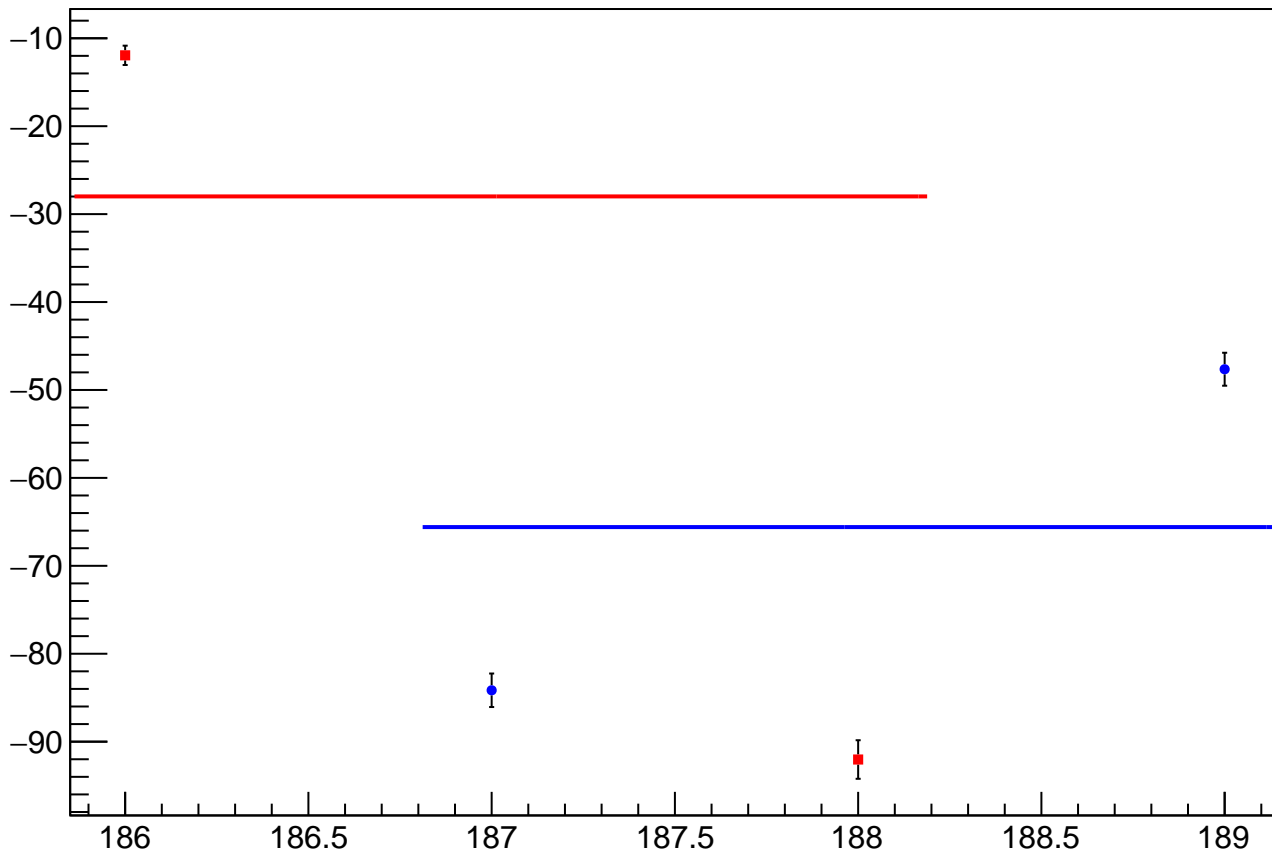
Right: 119.624 $\pm$ 0.257  $\chi^2$ /NDF: 23.3/3

In: 119.107 $\pm$ 0.339  $\chi^2$ /NDF:14.6/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 119.624 $\pm$ 0.257  $\chi^2$ /NDF: 23.3/3

# reg\_asym\_at1\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-65.595 \pm 1.336$   $\chi^2/\text{NDF}: 186.6/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-27.987 \pm 0.982$   $\chi^2/\text{NDF}: 1066.1/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

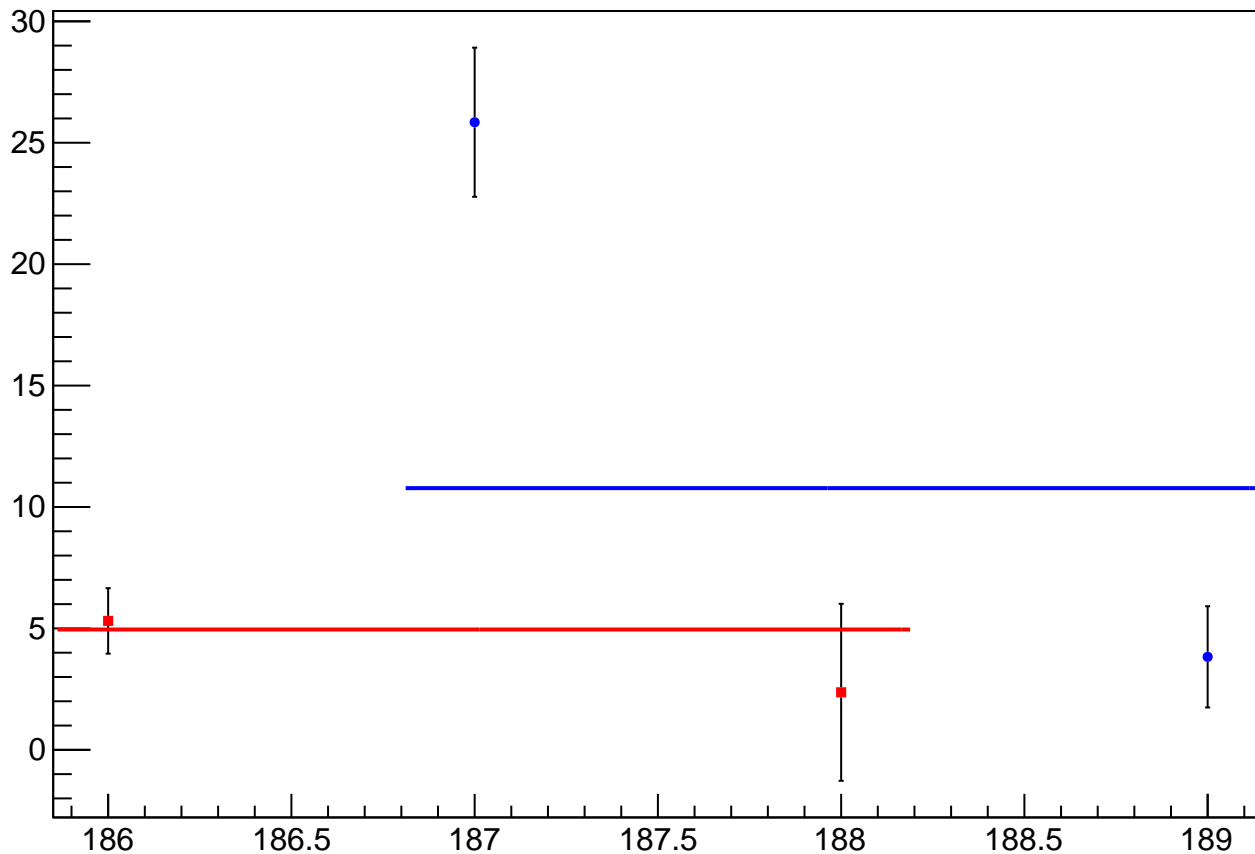
Right:  $-41.171 \pm 0.791$   $\chi^2/\text{NDF}: 1767.0/3$

In:  $-65.595 \pm 1.336$   $\chi^2/\text{NDF}: 186.6/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-41.171 \pm 0.791$   $\chi^2/\text{NDF}: 1767.0/3$

reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.777+/-1.725  $\chi^2$ /NDF: 35.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.956+/-1.264  $\chi^2$ /NDF: 0.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

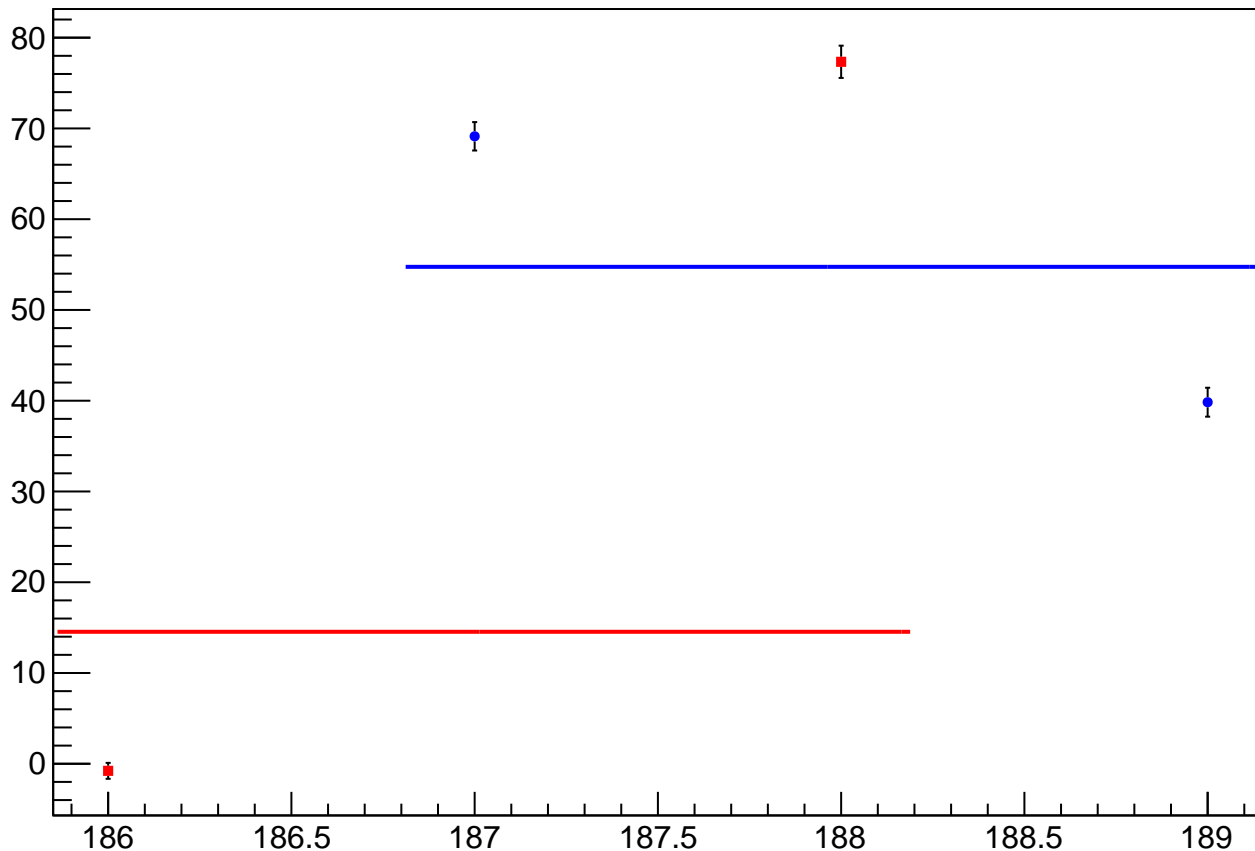
Right: 6.990+/-1.020  $\chi^2$ /NDF: 43.2/3

In: 10.777+/-1.725  $\chi^2$ /NDF:35.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 6.990+/-1.020  $\chi^2$ /NDF: 43.2/3

# reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 54.751+/-1.117  $\chi^2$ /NDF: 171.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 14.541+/-0.787  $\chi^2$ /NDF: 1553.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

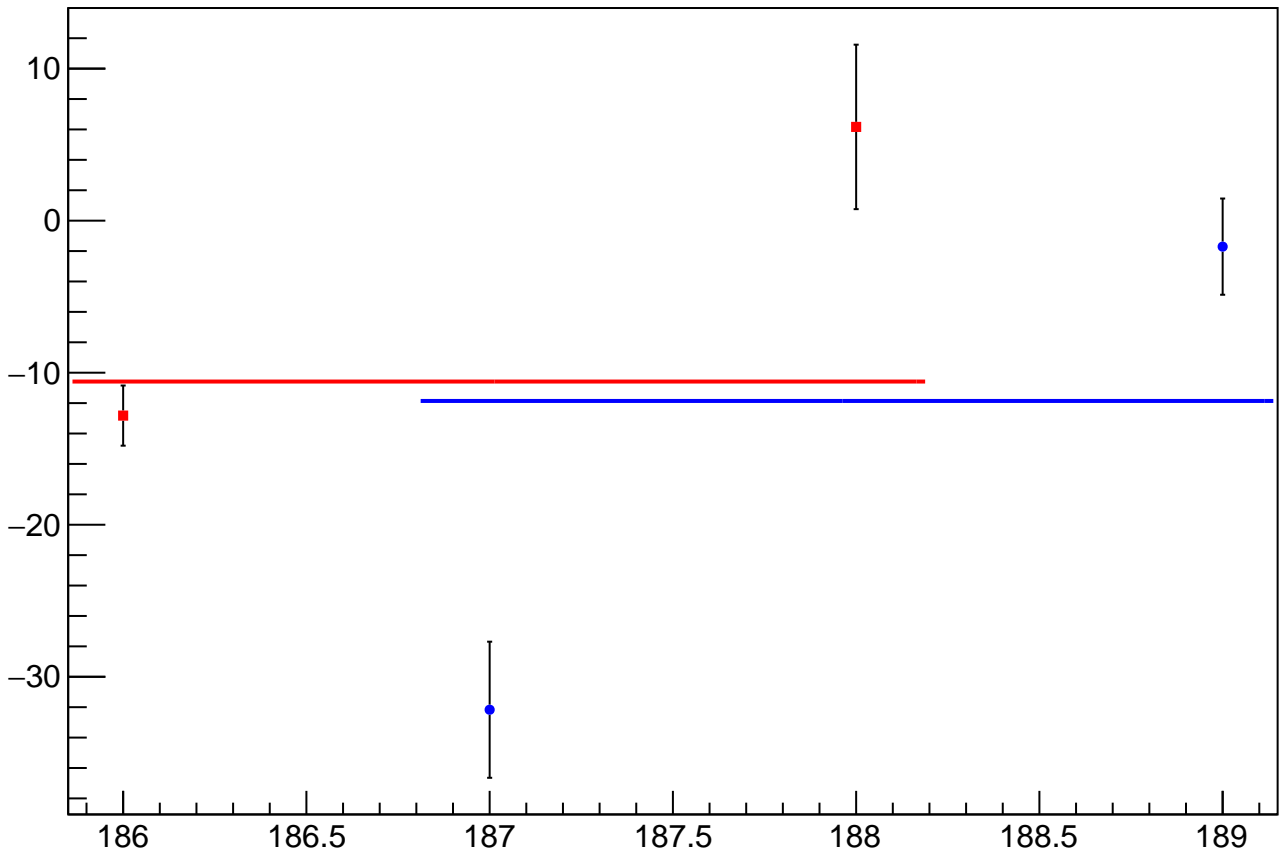
Right: 27.879+/-0.643  $\chi^2$ /NDF: 2590.7/3

In: 54.751+/-1.117  $\chi^2$ /NDF:171.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 27.879+/-0.643  $\chi^2$ /NDF: 2590.7/3

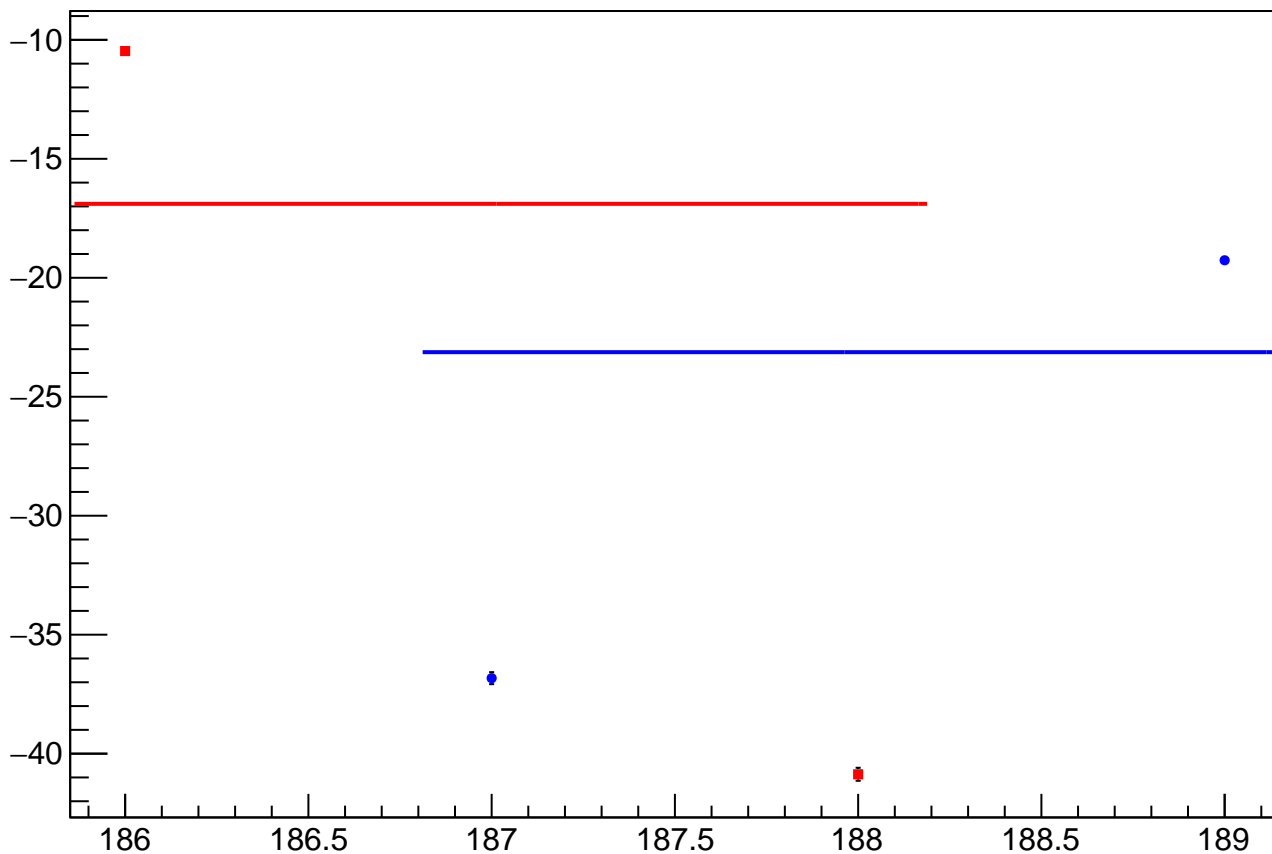
reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -11.858+/-2.584  $\chi^2$ /NDF: 30.9/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: -10.582+/-1.858  $\chi^2$ /NDF: 10.9/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: -11.017+/-1.508  $\chi^2$ /NDF: 41.9/3  
In: -11.858+/-2.584  $\chi^2$ /NDF:30.9/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: -11.017+/-1.508  $\chi^2$ /NDF: 41.9/3

# reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -23.126 $\pm$ 0.118  $\chi^2$ /NDF: 3771.5/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -16.892 $\pm$ 0.126  $\chi^2$ /NDF: 9719.7/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: -20.198 $\pm$ 0.086  $\chi^2$ /NDF: 14792.3/3

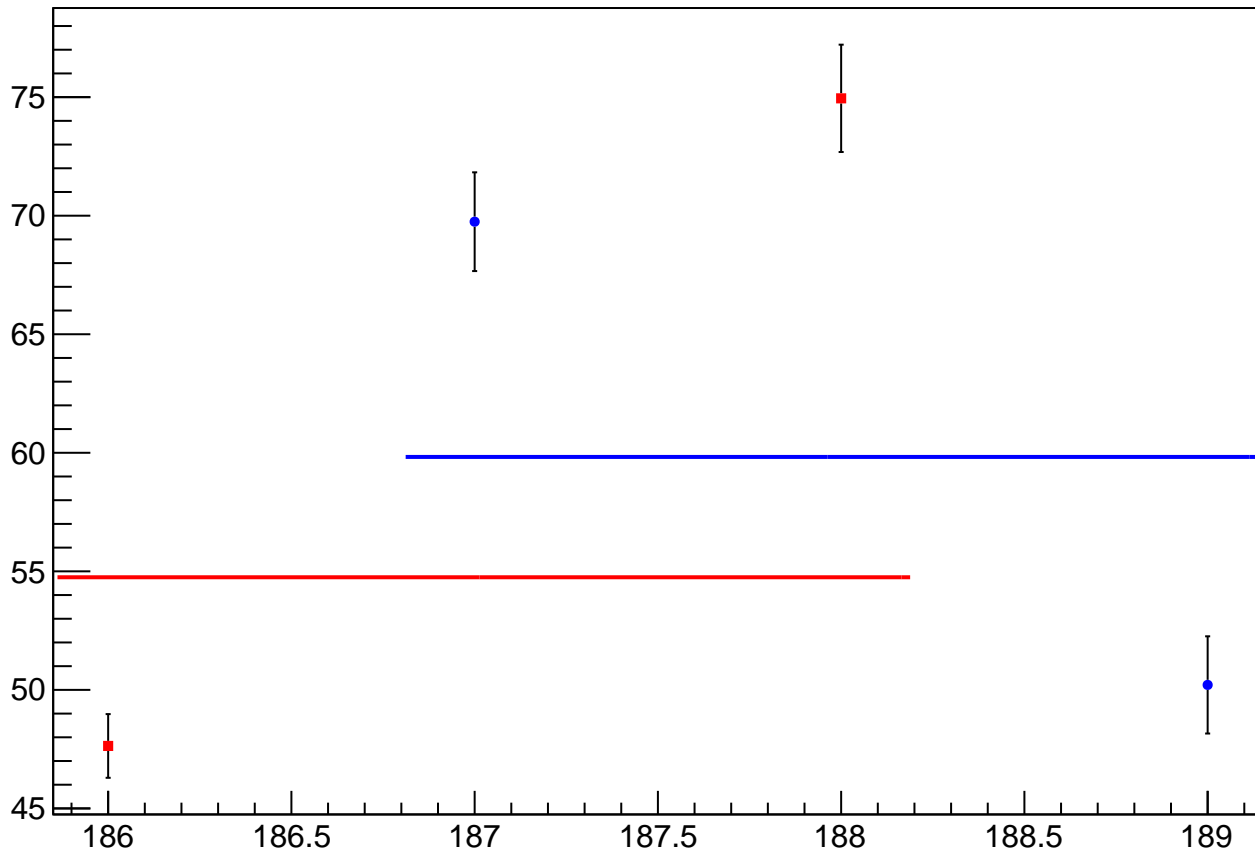
In: -23.126 $\pm$ 0.118  $\chi^2$ /NDF:3771.5/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -20.198 $\pm$ 0.086  $\chi^2$ /NDF: 14792.3/3



# reg\_asym\_at1\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 59.825+/-1.461  $\chi^2$ /NDF: 44.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 54.750+/-1.155  $\chi^2$ /NDF: 107.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

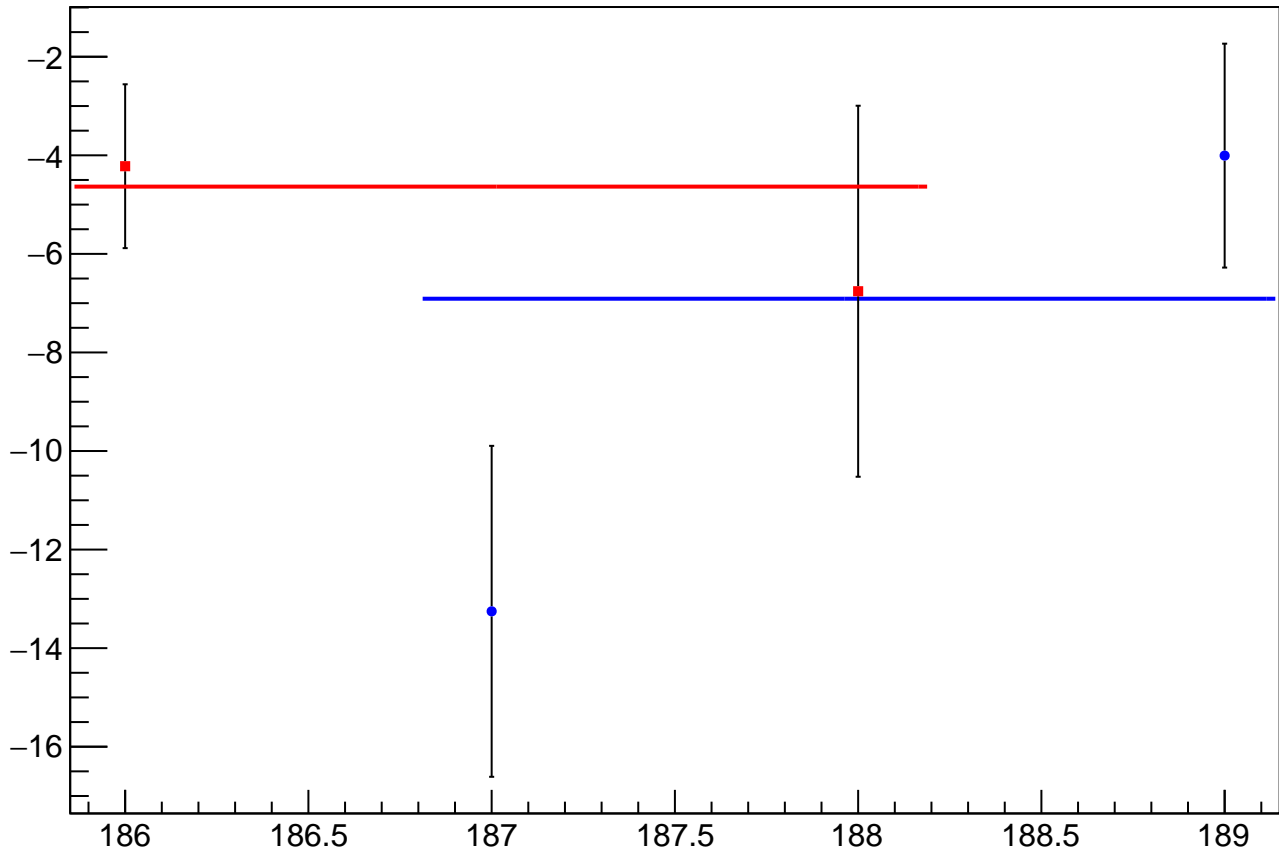
Right: 56.703+/-0.906  $\chi^2$ /NDF: 159.8/3

In: 59.825+/-1.461  $\chi^2$ /NDF:44.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 56.703+/-0.906  $\chi^2$ /NDF: 159.8/3

reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-6.910 \pm 1.882$   $\chi^2/\text{NDF}: 5.2/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-4.635 \pm 1.521$   $\chi^2/\text{NDF}: 0.4/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

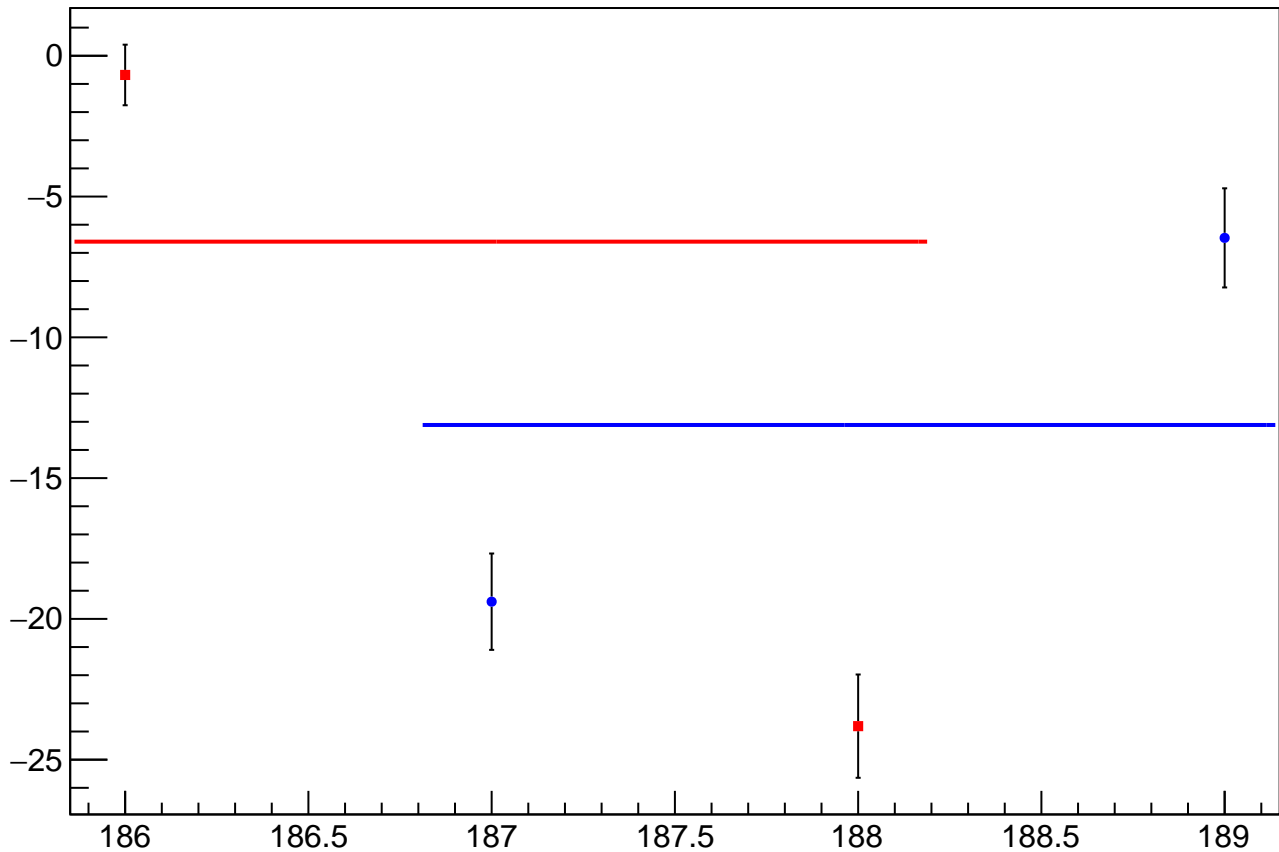
Right:  $-5.534 \pm 1.183$   $\chi^2/\text{NDF}: 6.5/3$

In:  $-6.910 \pm 1.882$   $\chi^2/\text{NDF}: 5.2/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-5.534 \pm 1.183$   $\chi^2/\text{NDF}: 6.5/3$

# reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-13.113 \pm 1.227$   $\chi^2/\text{NDF}: 27.7/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-6.602 \pm 0.928$   $\chi^2/\text{NDF}: 118.3/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

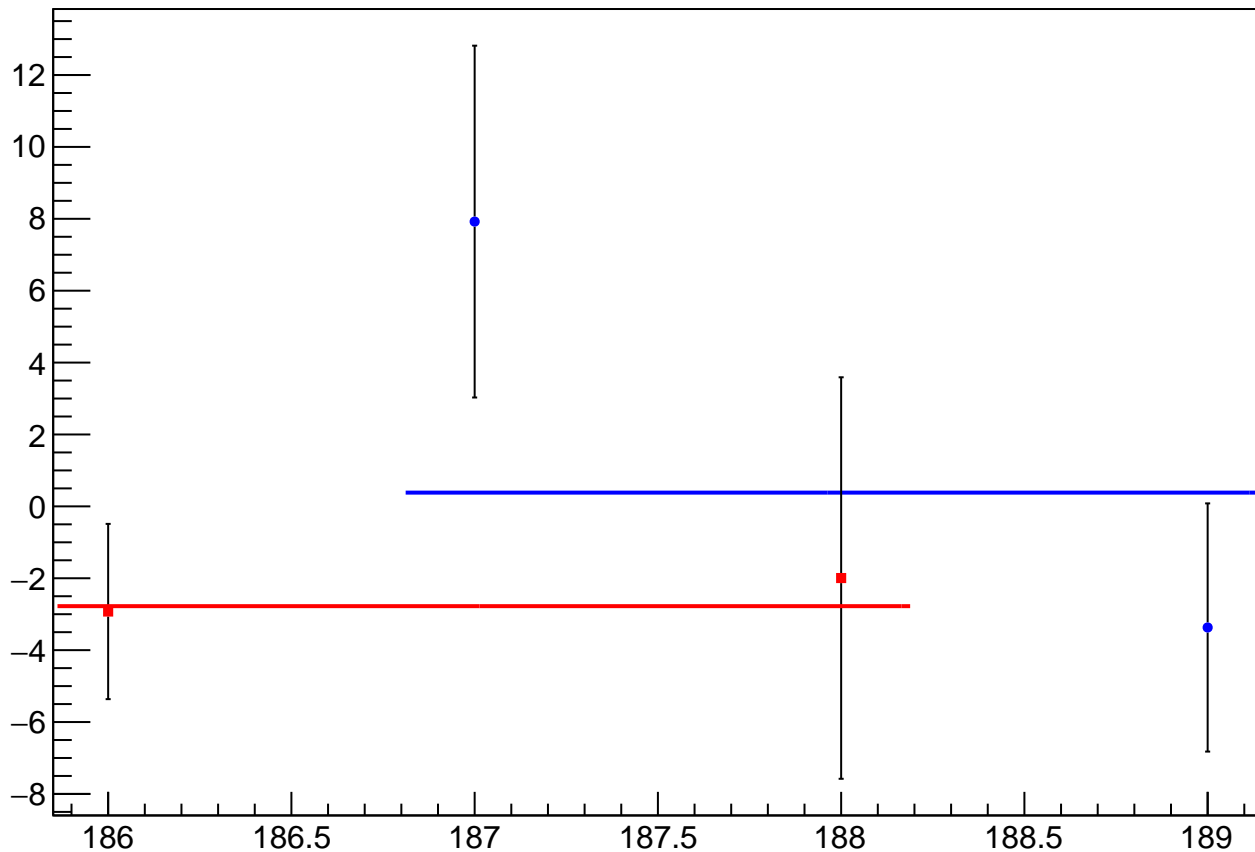
Right:  $-8.971 \pm 0.740$   $\chi^2/\text{NDF}: 163.9/3$

In:  $-13.113 \pm 1.227$   $\chi^2/\text{NDF}: 27.7/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-8.971 \pm 0.740$   $\chi^2/\text{NDF}: 163.9/3$

reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.383+/-2.821  $\chi^2$ /NDF: 3.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.776+/-2.234  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

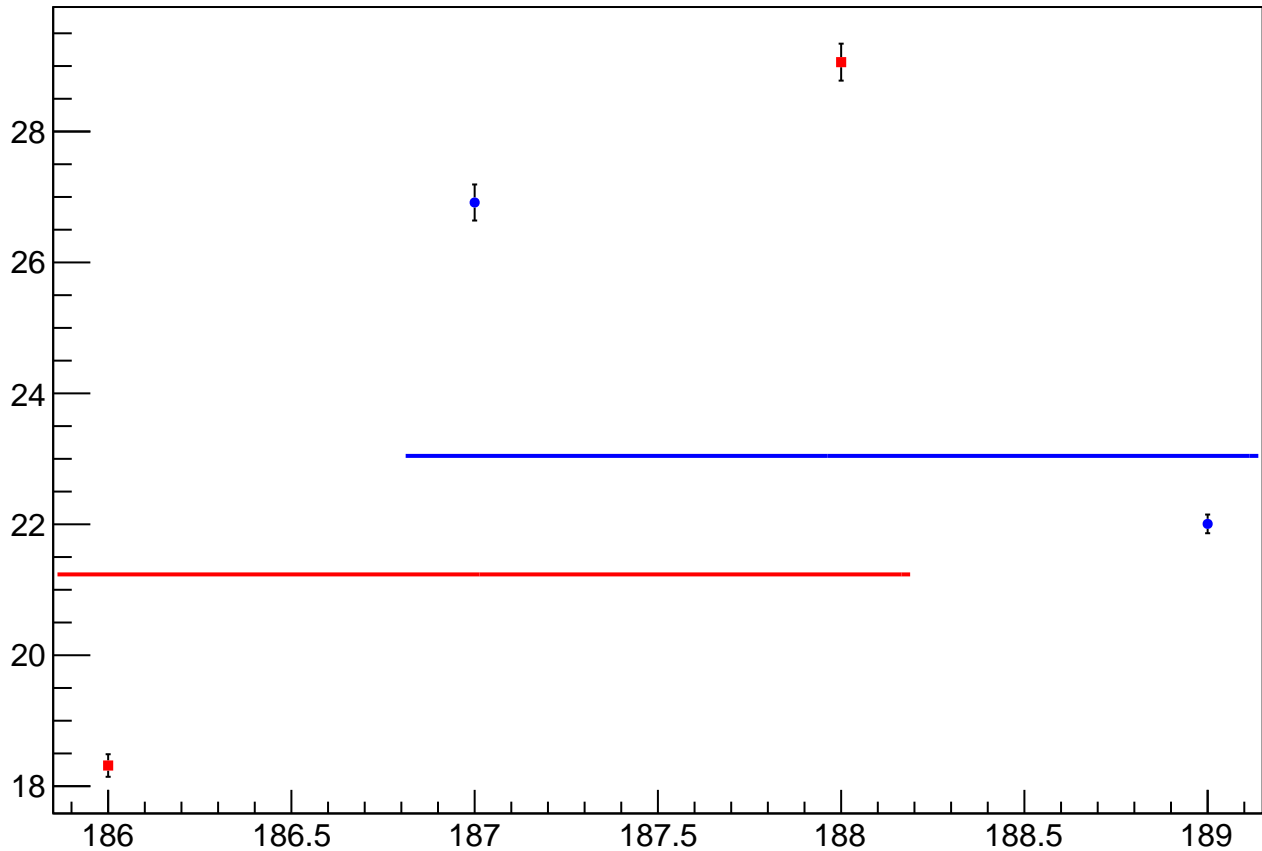
Right: -1.559+/-1.751  $\chi^2$ /NDF: 4.3/3

In: 0.383+/-2.821  $\chi^2$ /NDF:3.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -1.559+/-1.751  $\chi^2$ /NDF: 4.3/3

# reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 23.045+/-0.127  $\chi^2$ /NDF: 250.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 21.235+/-0.147  $\chi^2$ /NDF: 1055.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

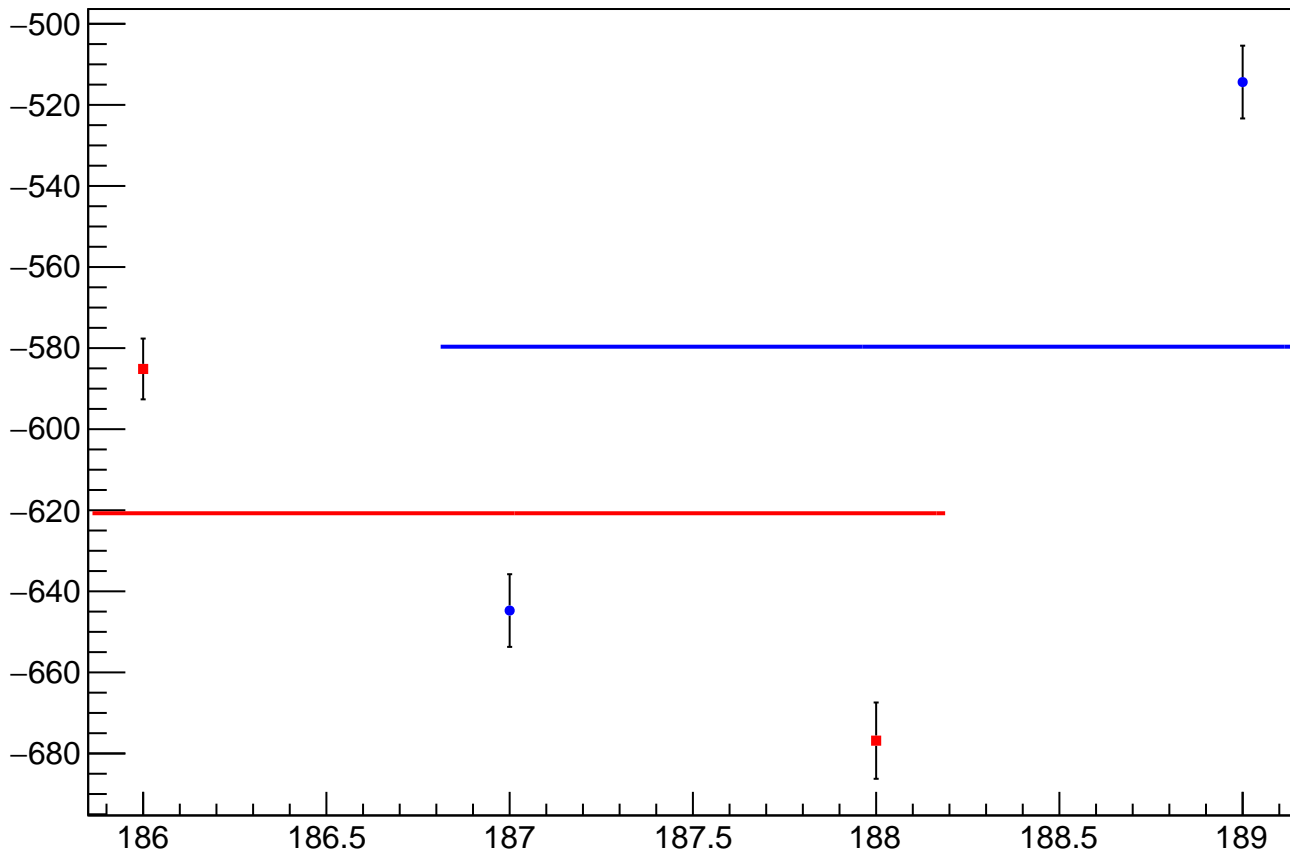
Right: 22.274+/-0.096  $\chi^2$ /NDF: 1392.6/3

In: 23.045+/-0.127  $\chi^2$ /NDF:250.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 22.274+/-0.096  $\chi^2$ /NDF: 1392.6/3

# reg\_asym\_at2\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $-579.652 \pm 6.344$   $\chi^2/\text{NDF}: 105.6/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-620.740 \pm 5.864$   $\chi^2/\text{NDF}: 58.1/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

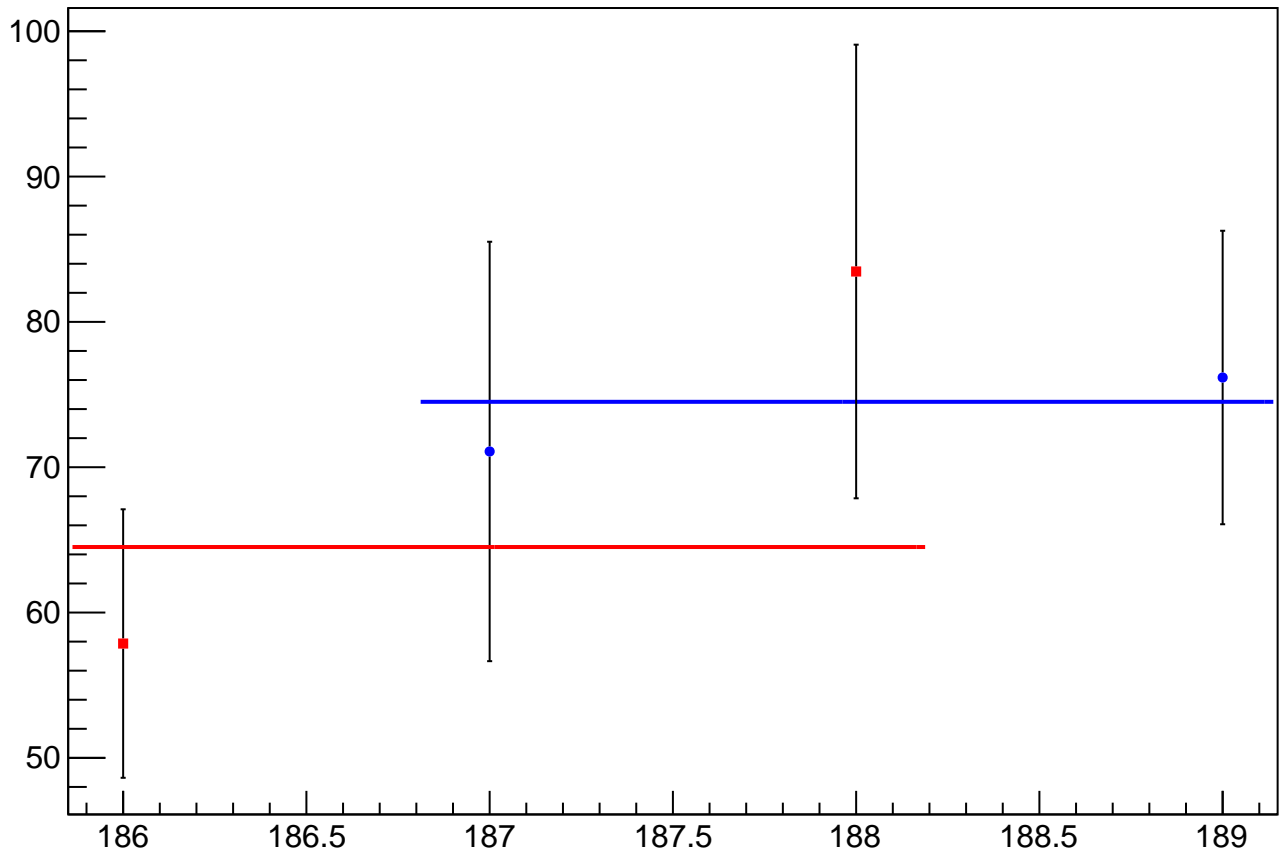
Right:  $-601.808 \pm 4.306$   $\chi^2/\text{NDF}: 186.3/3$

In:  $-579.652 \pm 6.344$   $\chi^2/\text{NDF}: 105.6/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-601.808 \pm 4.306$   $\chi^2/\text{NDF}: 186.3/3$

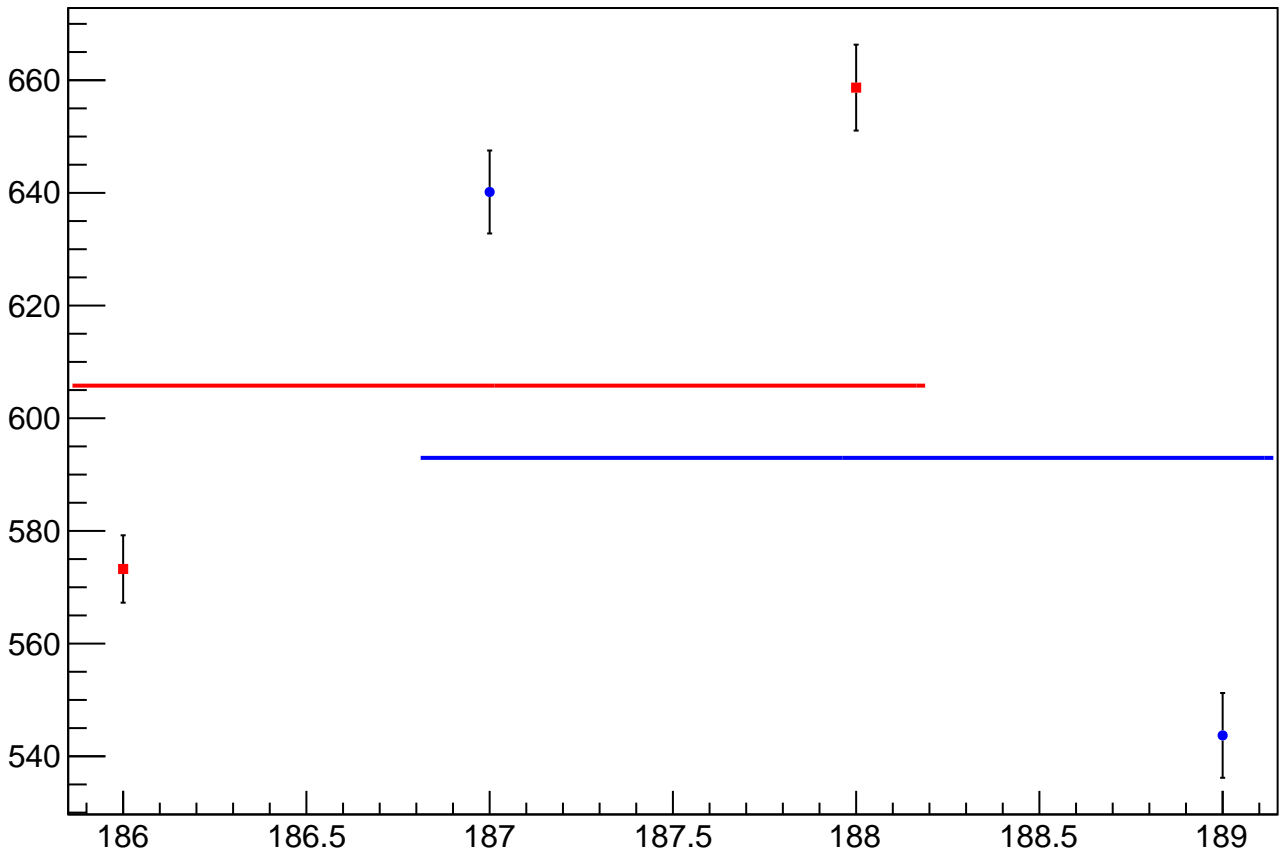
reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 74.500+/-8.273  $\chi^2$ /NDF: 0.1/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 64.509+/-7.950  $\chi^2$ /NDF: 2.0/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 69.305+/-5.732  $\chi^2$ /NDF: 2.8/3  
In: 74.500+/-8.273  $\chi^2$ /NDF:0.1/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 69.305+/-5.732  $\chi^2$ /NDF: 2.8/3

reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected

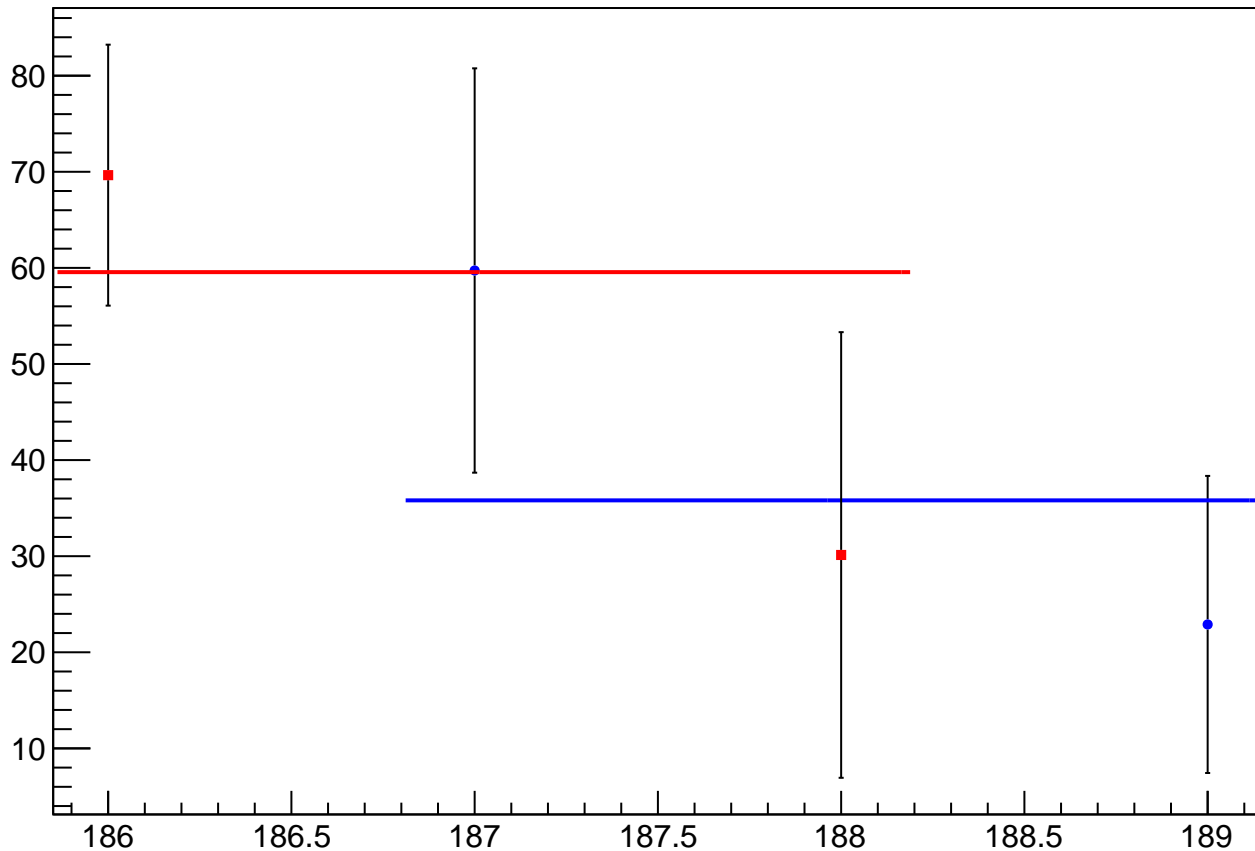


Right In: 592.968+/-5.263  $\chi^2$ /NDF: 83.9/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 605.788+/-4.705  $\chi^2$ /NDF: 77.8/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 600.093+/-3.508  $\chi^2$ /NDF: 165.0/3  
In: 592.968+/-5.263  $\chi^2$ /NDF:83.9/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 600.093+/-3.508  $\chi^2$ /NDF: 165.0/3



# reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 35.808+/-12.457  $\chi^2$ /NDF: 2.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 59.558+/-11.717  $\chi^2$ /NDF: 2.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

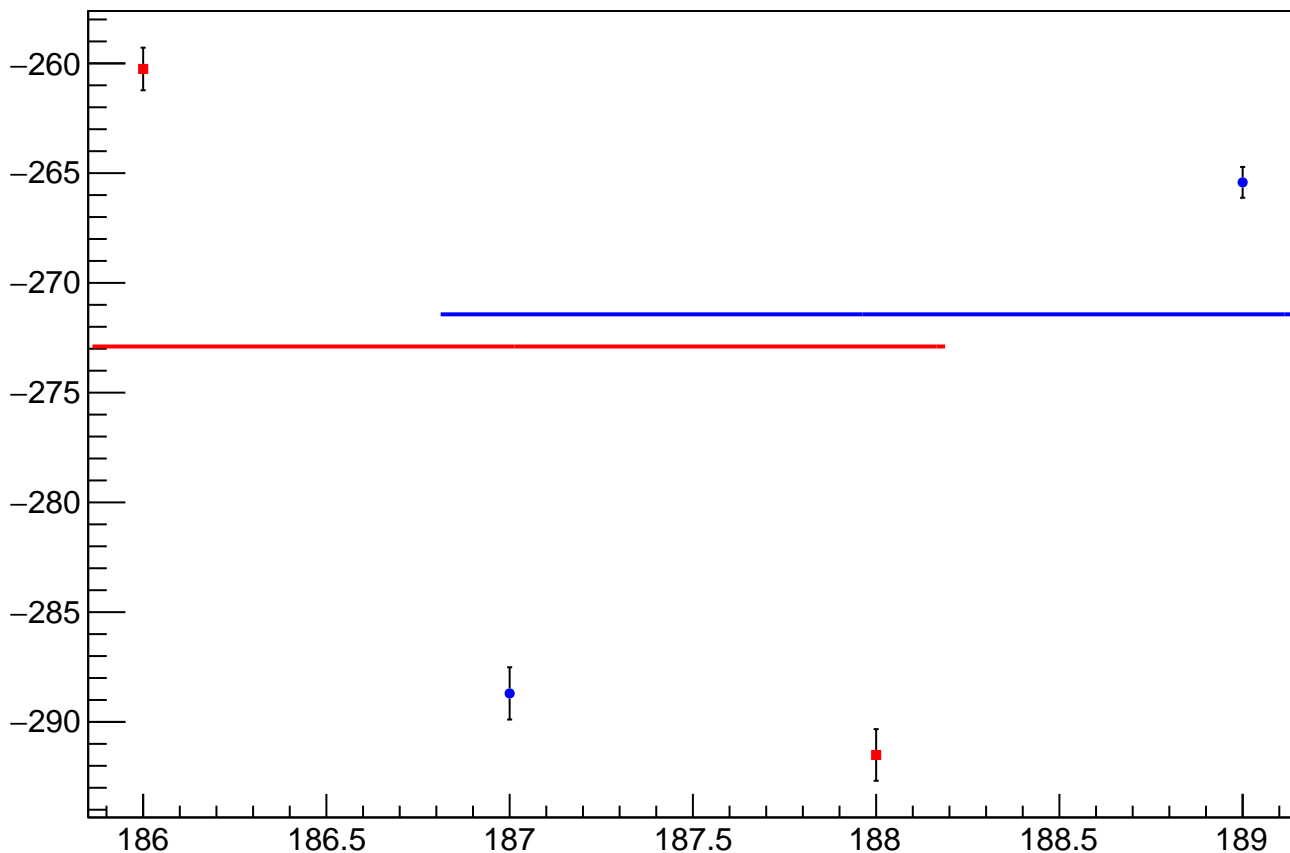
Right: 48.410+/-8.535  $\chi^2$ /NDF: 6.1/3

In: 35.808+/-12.457  $\chi^2$ /NDF:2.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 48.410+/-8.535  $\chi^2$ /NDF: 6.1/3

# reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -271.432+/-0.605  $\chi^2$ /NDF: 283.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -272.897+/-0.749  $\chi^2$ /NDF: 419.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

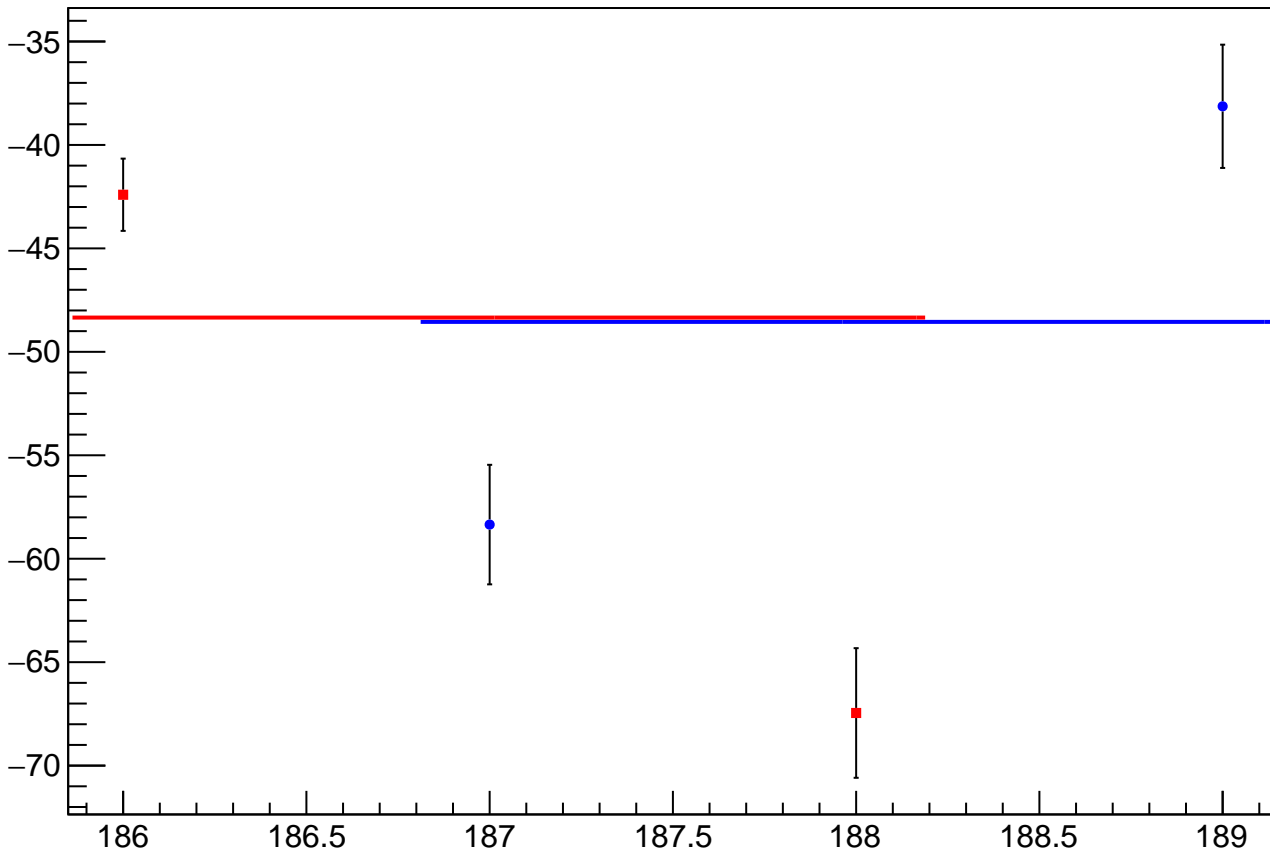
Right: -272.011+/-0.470  $\chi^2$ /NDF: 705.9/3

In: -271.432+/-0.605  $\chi^2$ /NDF:283.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -272.011+/-0.470  $\chi^2$ /NDF: 705.9/3

# reg\_asym\_at2\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -48.552+/-2.074  $\chi^2$ /NDF: 23.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -48.344+/-1.525  $\chi^2$ /NDF: 48.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

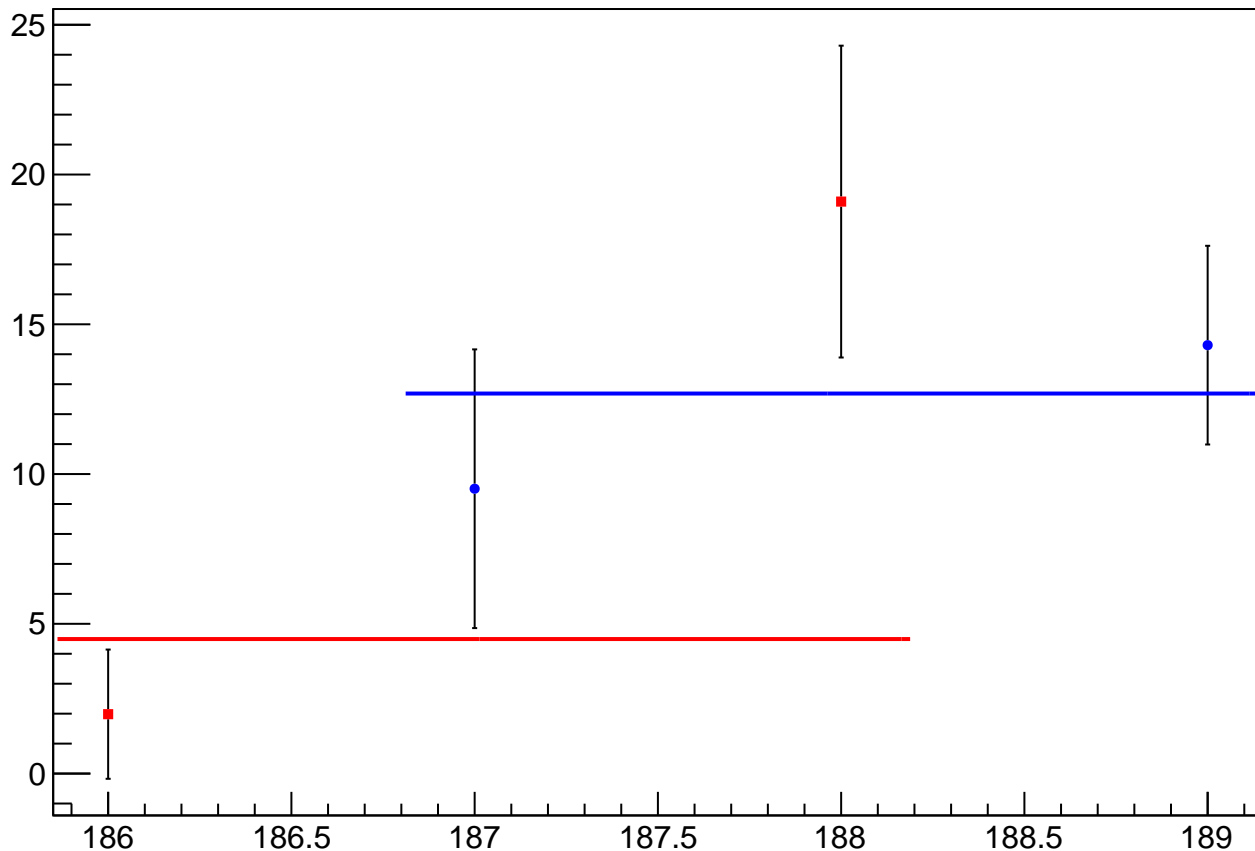
Right: -48.417+/-1.229  $\chi^2$ /NDF: 72.5/3

In: -48.552+/-2.074  $\chi^2$ /NDF:23.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -48.417+/-1.229  $\chi^2$ /NDF: 72.5/3

reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 12.688+/-2.701  $\chi^2$ /NDF: 0.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.491+/-1.993  $\chi^2$ /NDF: 9.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

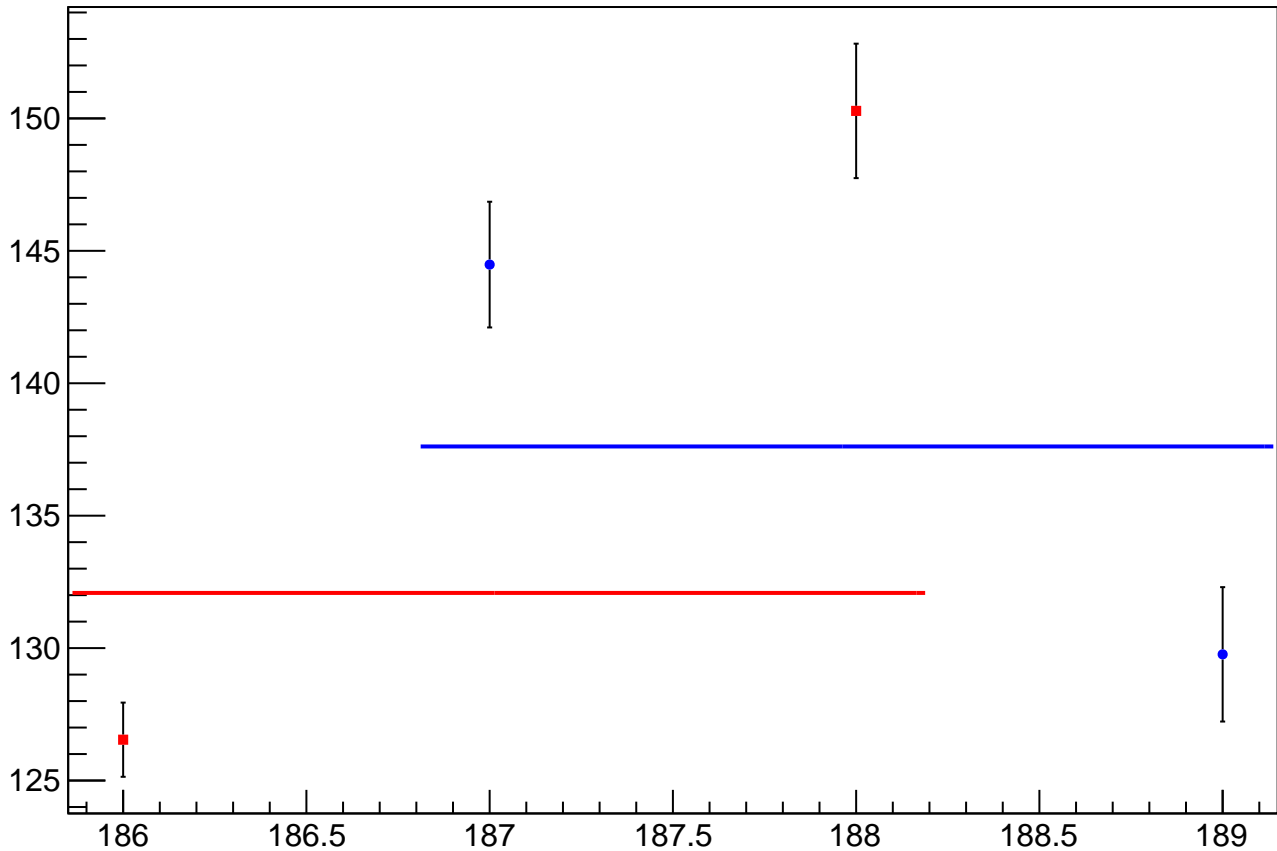
Right: 7.381+/-1.604  $\chi^2$ /NDF: 15.9/3

In: 12.688+/-2.701  $\chi^2$ /NDF:0.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 7.381+/-1.604  $\chi^2$ /NDF: 15.9/3

# reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 137.613+/-1.733  $\chi^2$ /NDF: 17.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 132.083+/-1.226  $\chi^2$ /NDF: 67.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

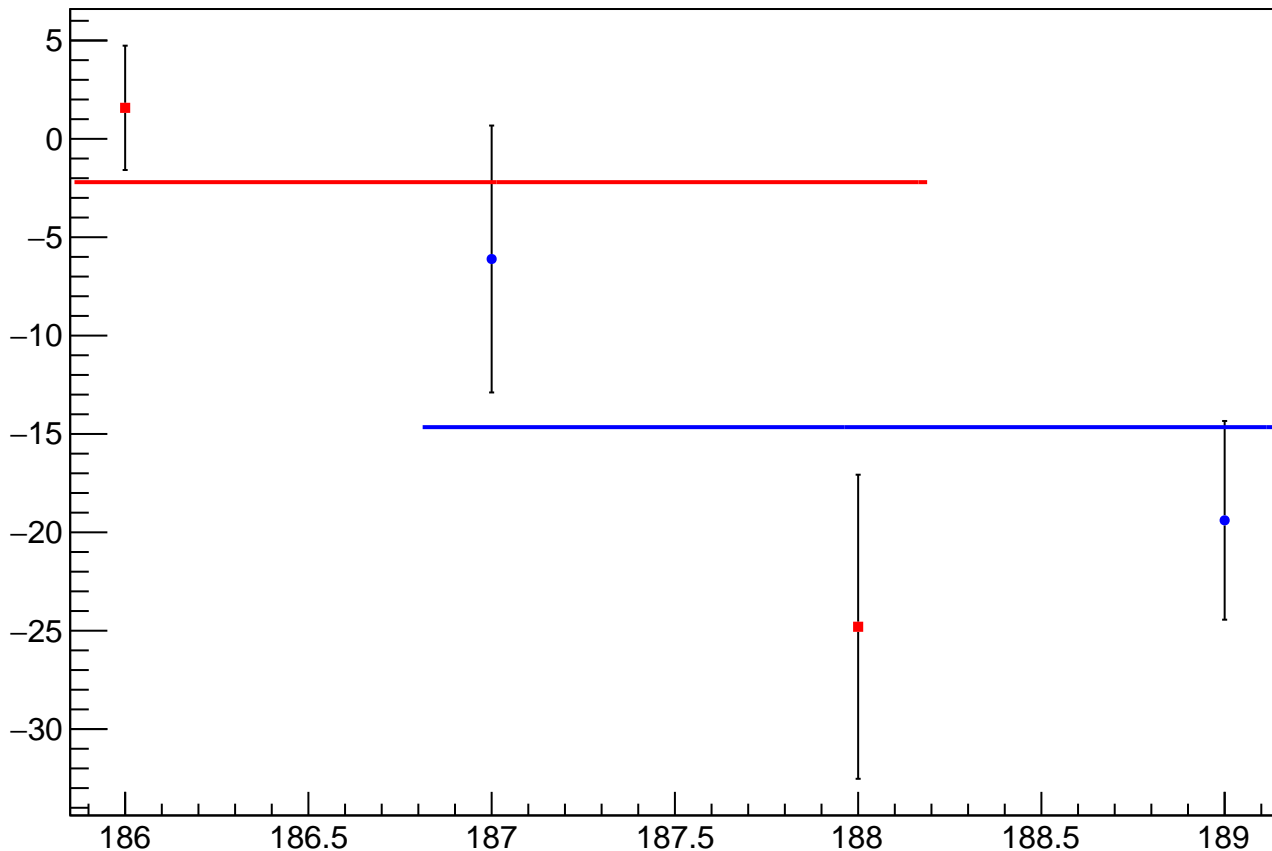
Right: 133.928+/-1.001  $\chi^2$ /NDF: 91.8/3

In: 137.613+/-1.733  $\chi^2$ /NDF:17.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 133.928+/-1.001  $\chi^2$ /NDF: 91.8/3

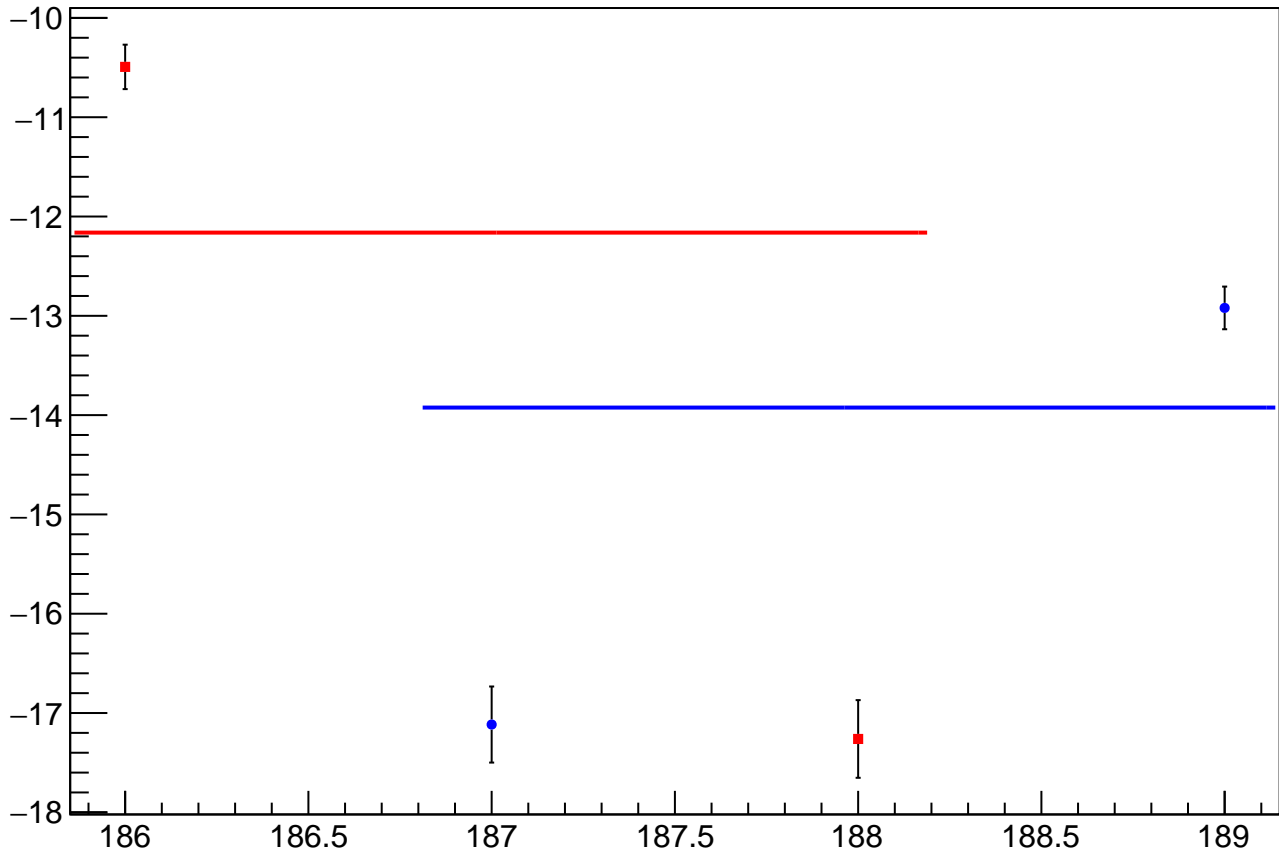
# reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-14.654 \pm 4.051$   $\chi^2/\text{NDF}: 2.5/1$   
 Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right Out:  $-2.201 \pm 2.925$   $\chi^2/\text{NDF}: 10.0/1$   
 Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 Right:  $-6.468 \pm 2.371$   $\chi^2/\text{NDF}: 18.7/3$   
 In:  $-14.654 \pm 4.051$   $\chi^2/\text{NDF}: 2.5/1$   
 Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$   
 All:  $-6.468 \pm 2.371$   $\chi^2/\text{NDF}: 18.7/3$

# reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-13.924 \pm 0.187$   $\chi^2/\text{NDF}: 91.3/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-12.162 \pm 0.194$   $\chi^2/\text{NDF}: 225.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

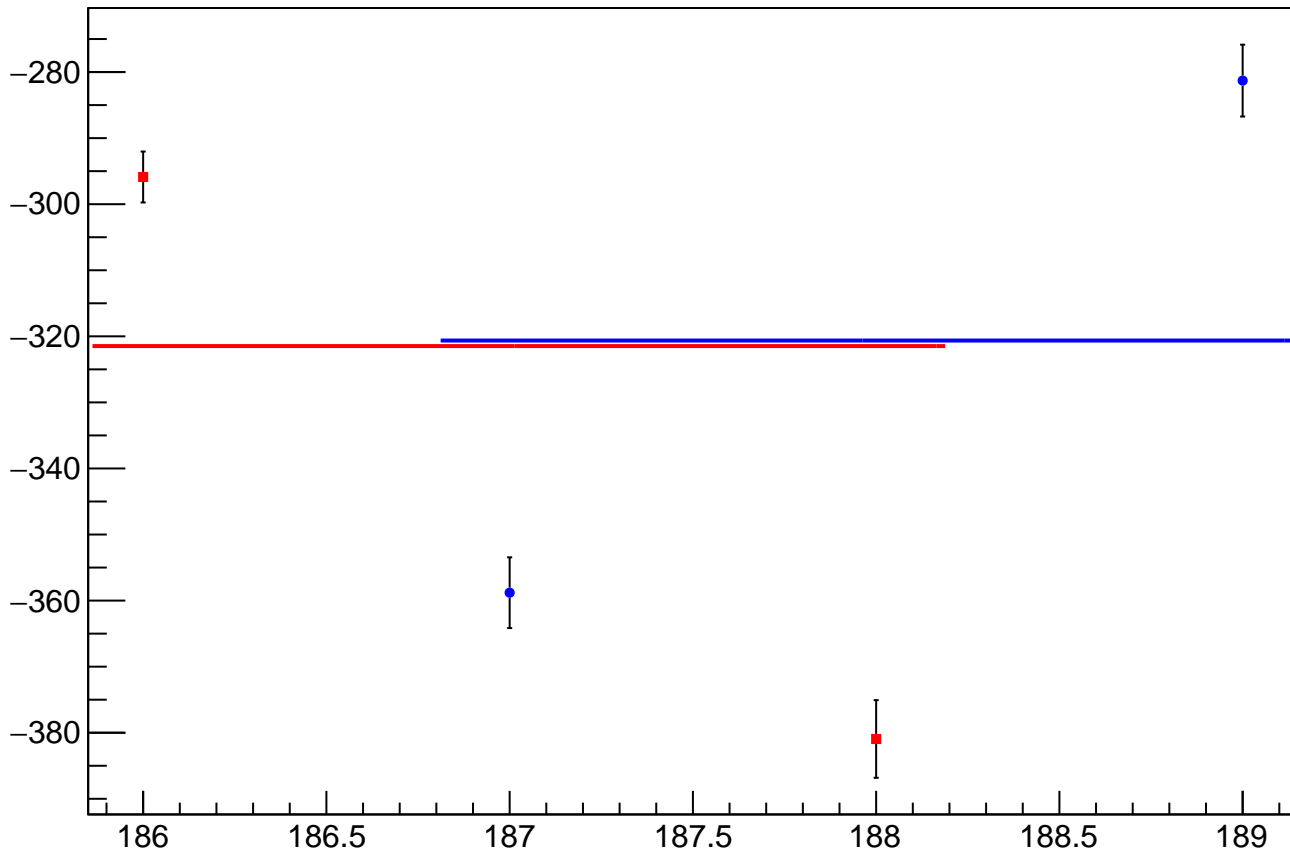
Right:  $-13.075 \pm 0.135$   $\chi^2/\text{NDF}: 359.5/3$

In:  $-13.924 \pm 0.187$   $\chi^2/\text{NDF}: 91.3/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-13.075 \pm 0.135$   $\chi^2/\text{NDF}: 359.5/3$

# reg\_asym\_atl1r2\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -320.636+/-3.816  $\chi^2$ /NDF: 103.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -321.476+/-3.224  $\chi^2$ /NDF: 146.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -321.126+/-2.462  $\chi^2$ /NDF: 249.6/3

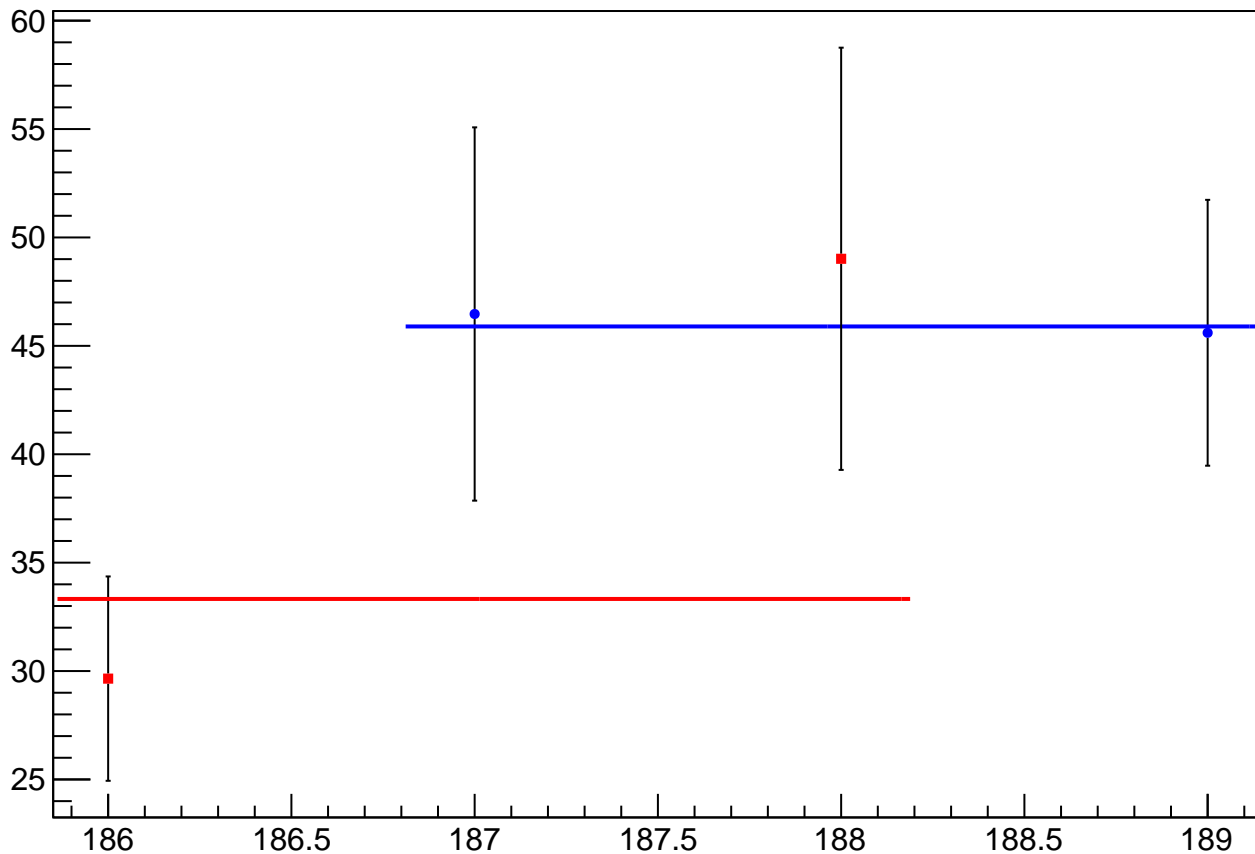
In: -320.636+/-3.816  $\chi^2$ /NDF:103.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -321.126+/-2.462  $\chi^2$ /NDF: 249.6/3



reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 45.895+/-4.994  $\chi^2$ /NDF: 0.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 33.326+/-4.242  $\chi^2$ /NDF: 3.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

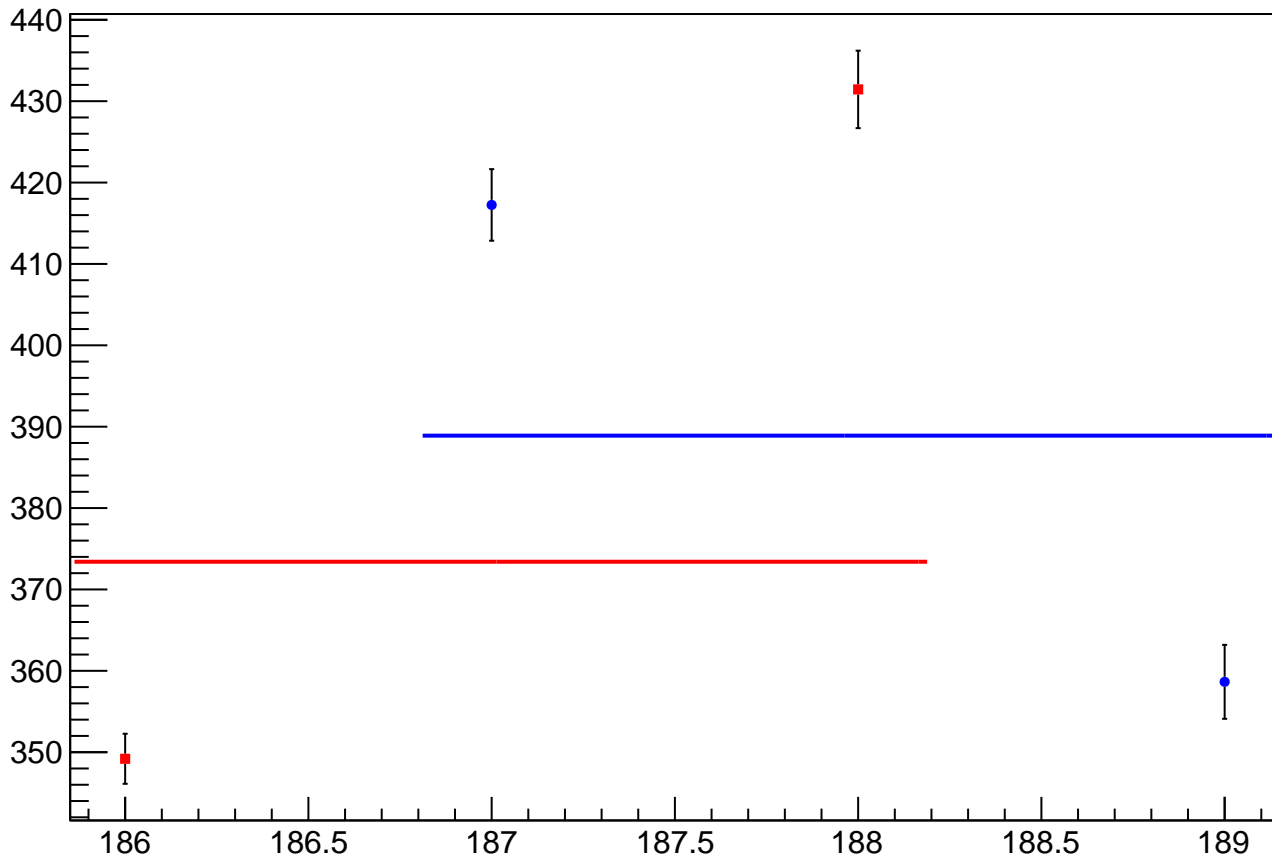
Right: 38.593+/-3.233  $\chi^2$ /NDF: 6.9/3

In: 45.895+/-4.994  $\chi^2$ /NDF:0.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 38.593+/-3.233  $\chi^2$ /NDF: 6.9/3

reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 388.899+/-3.160  $\chi^2$ /NDF: 85.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 373.405+/-2.583  $\chi^2$ /NDF: 210.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

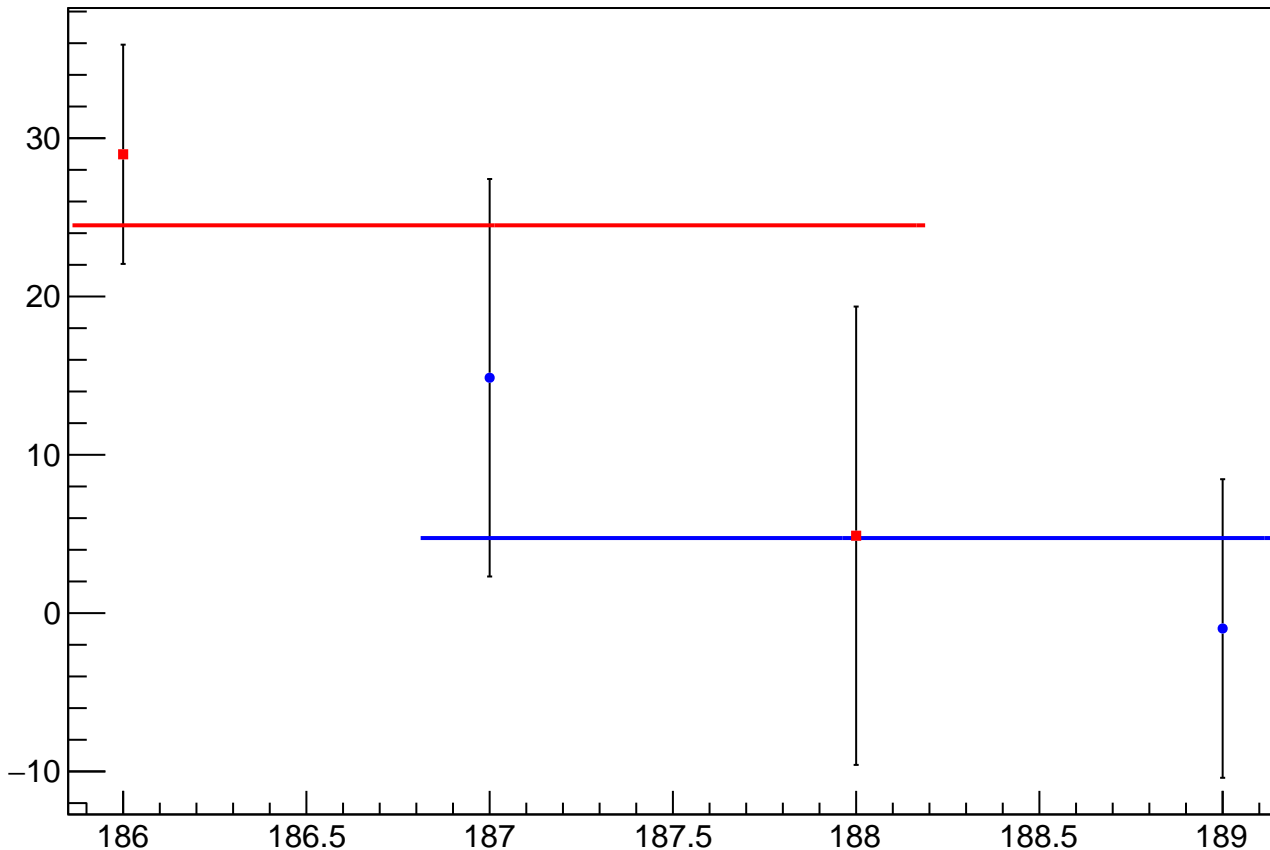
Right: 379.609+/-2.000  $\chi^2$ /NDF: 311.0/3

In: 388.899+/-3.160  $\chi^2$ /NDF:85.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 379.609+/-2.000  $\chi^2$ /NDF: 311.0/3

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.742+/-7.540  $\chi^2$ /NDF: 1.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 24.496+/-6.247  $\chi^2$ /NDF: 2.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

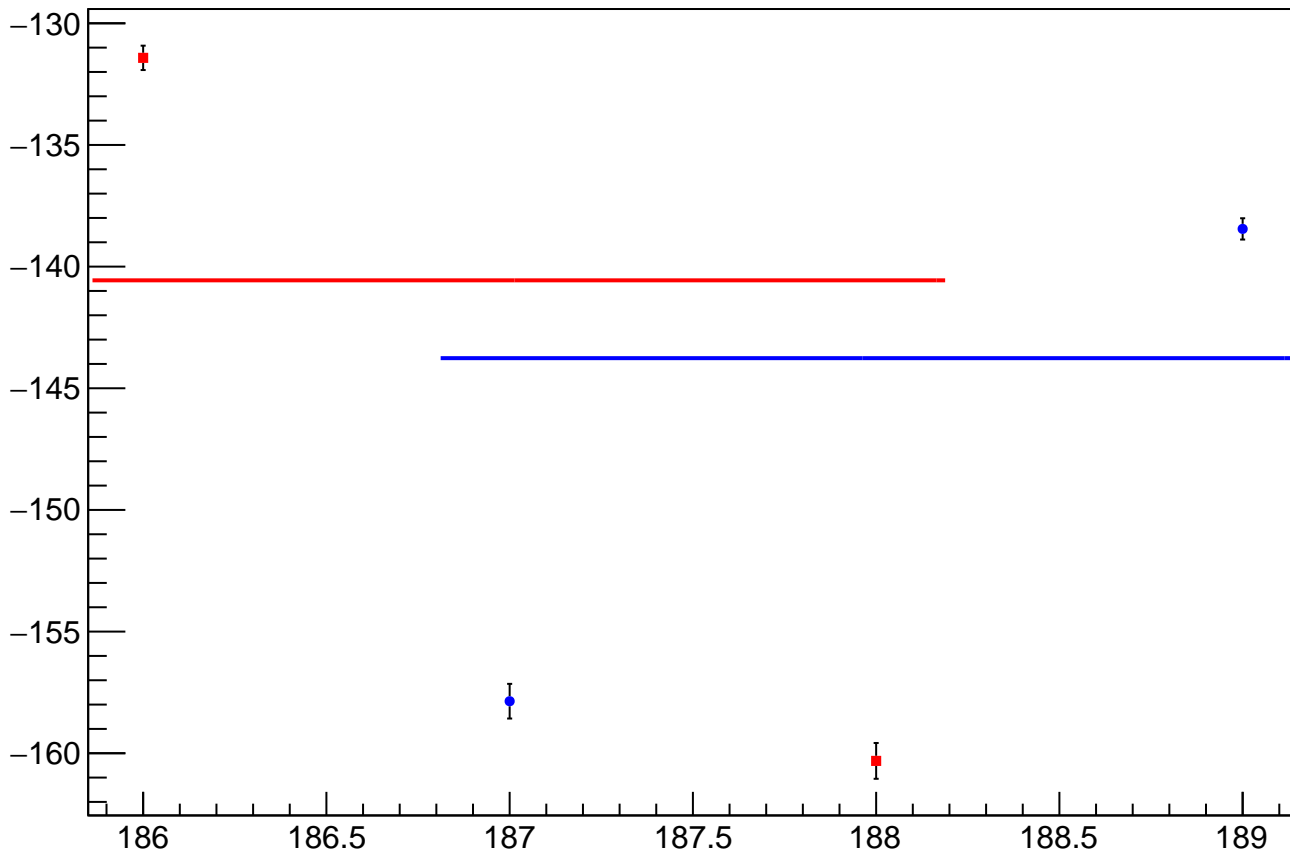
Right: 16.456+/-4.810  $\chi^2$ /NDF: 7.3/3

In: 4.742+/-7.540  $\chi^2$ /NDF:1.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 16.456+/-4.810  $\chi^2$ /NDF: 7.3/3

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -143.762+/-0.373  $\chi^2$ /NDF: 539.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -140.564+/-0.414  $\chi^2$ /NDF: 1053.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

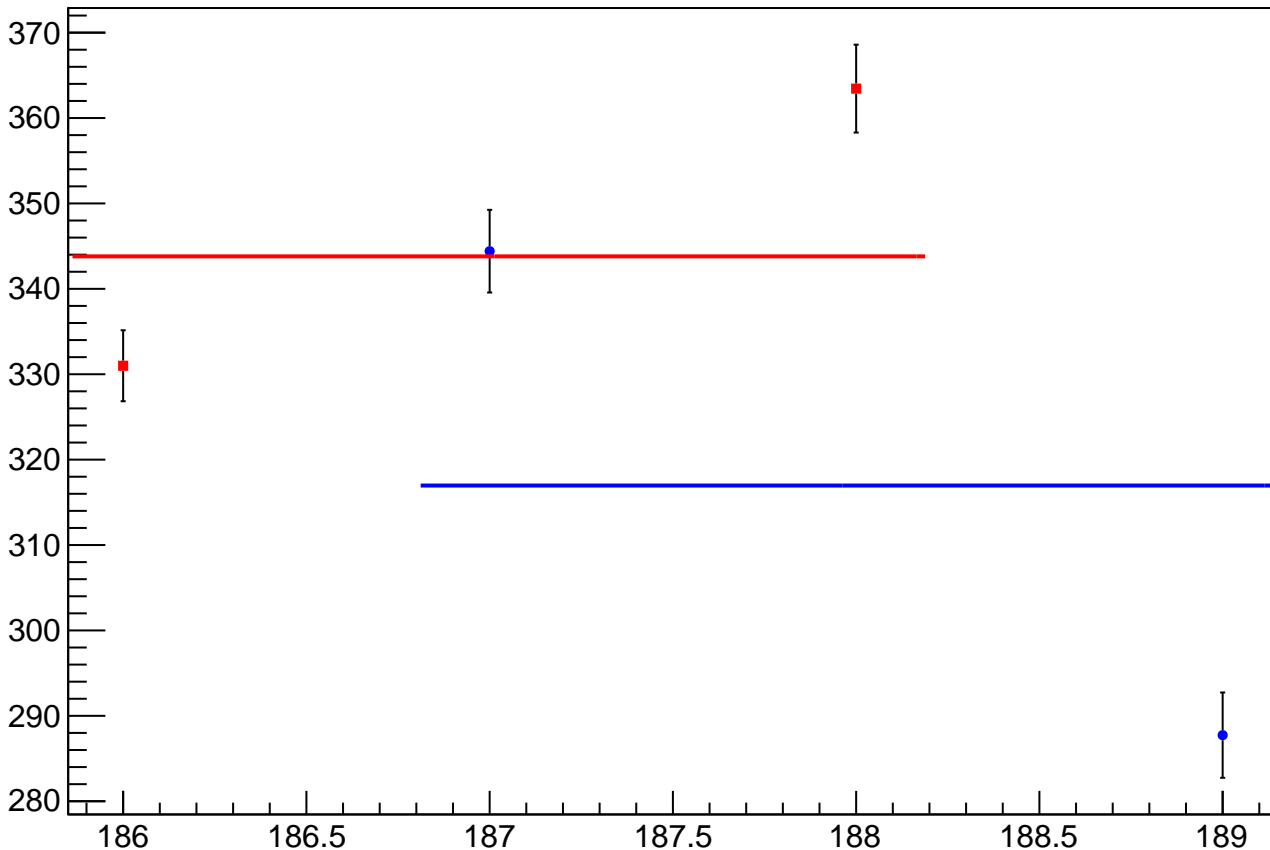
Right: -142.330+/-0.277  $\chi^2$ /NDF: 1625.8/3

In: -143.762+/-0.373  $\chi^2$ /NDF:539.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -142.330+/-0.277  $\chi^2$ /NDF: 1625.8/3

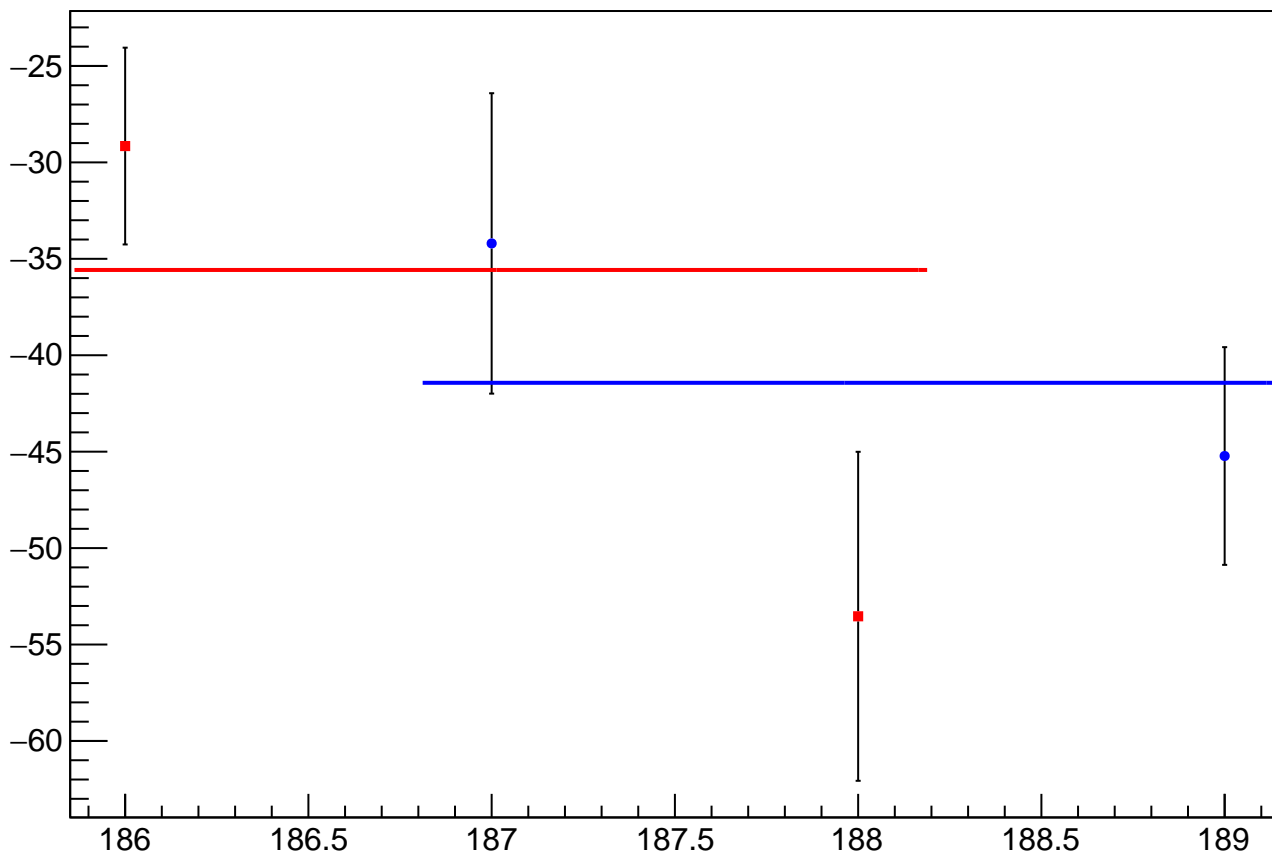
# reg\_asym\_atl1r2\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 316.967+/-3.476  $\chi^2$ /NDF: 66.4/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 343.802+/-3.233  $\chi^2$ /NDF: 24.1/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 331.354+/-2.367  $\chi^2$ /NDF: 122.4/3  
In: 316.967+/-3.476  $\chi^2$ /NDF:66.4/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 331.354+/-2.367  $\chi^2$ /NDF: 122.4/3

# reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -41.429+/-4.571  $\chi^2$ /NDF: 1.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -35.578+/-4.378  $\chi^2$ /NDF: 6.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

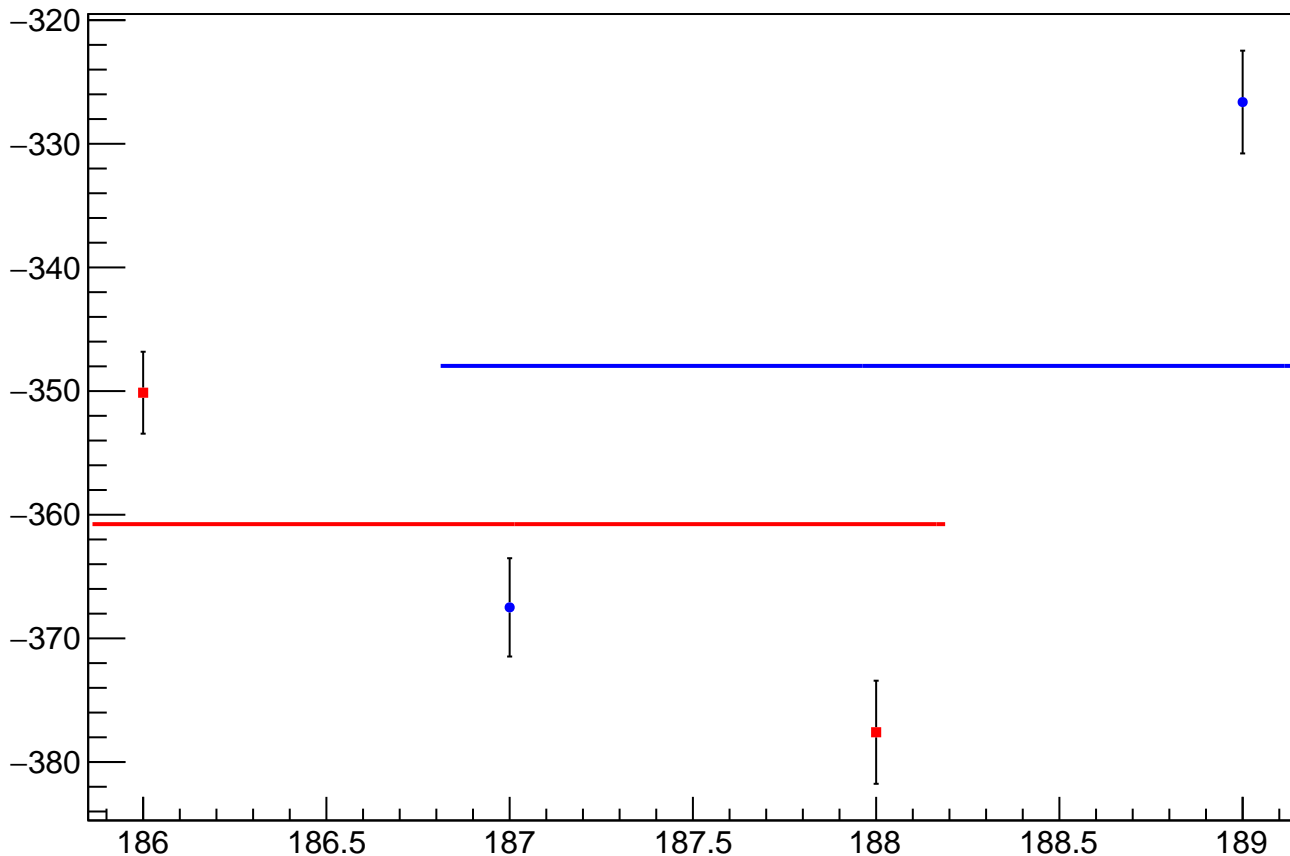
Right: -38.378+/-3.162  $\chi^2$ /NDF: 8.2/3

In: -41.429+/-4.571  $\chi^2$ /NDF:1.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -38.378+/-3.162  $\chi^2$ /NDF: 8.2/3

# reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-347.963 \pm 2.873$   $\chi^2/\text{NDF}: 50.5/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-360.761 \pm 2.594$   $\chi^2/\text{NDF}: 26.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

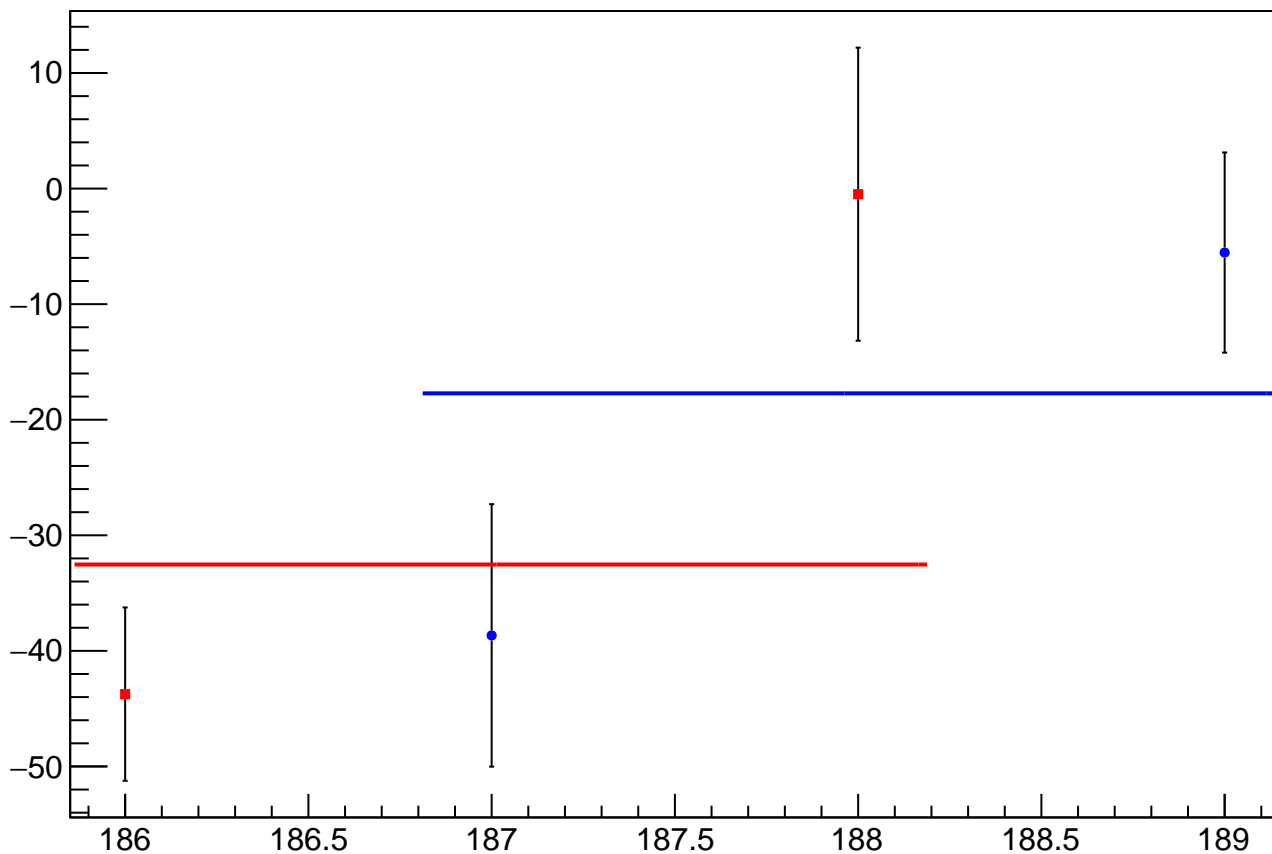
Right:  $-355.013 \pm 1.925$   $\chi^2/\text{NDF}: 88.0/3$

In:  $-347.963 \pm 2.873$   $\chi^2/\text{NDF}: 50.5/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-355.013 \pm 1.925$   $\chi^2/\text{NDF}: 88.0/3$

reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-17.718 \pm 6.887$   $\chi^2/\text{NDF}: 5.4/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-32.529 \pm 6.455$   $\chi^2/\text{NDF}: 8.6/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-25.602 \pm 4.710$   $\chi^2/\text{NDF}: 16.5/3$

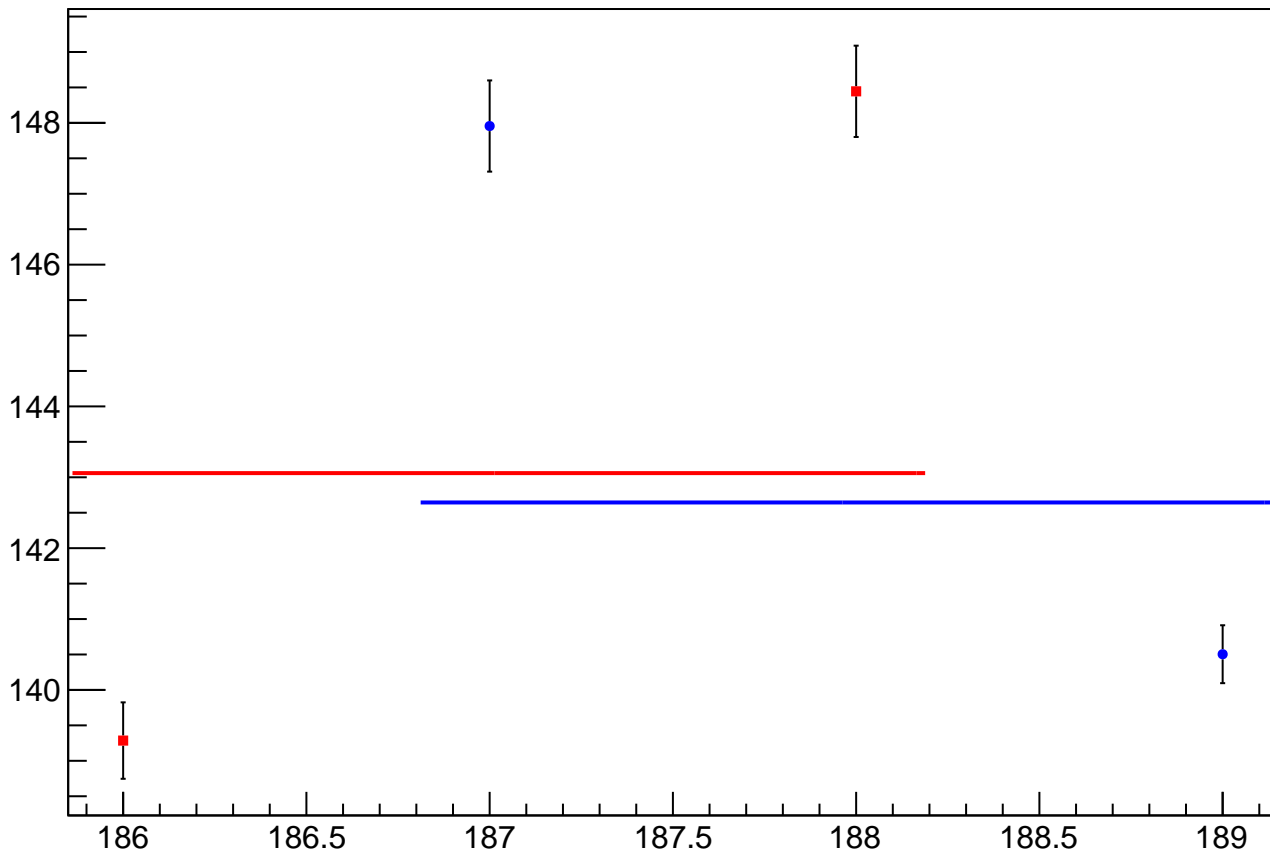
In:  $-17.718 \pm 6.887$   $\chi^2/\text{NDF}: 5.4/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-25.602 \pm 4.710$   $\chi^2/\text{NDF}: 16.5/3$



# reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 142.645 $\pm$ 0.345  $\chi^2$ /NDF: 95.6/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 143.059 $\pm$ 0.413  $\chi^2$ /NDF: 118.9/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

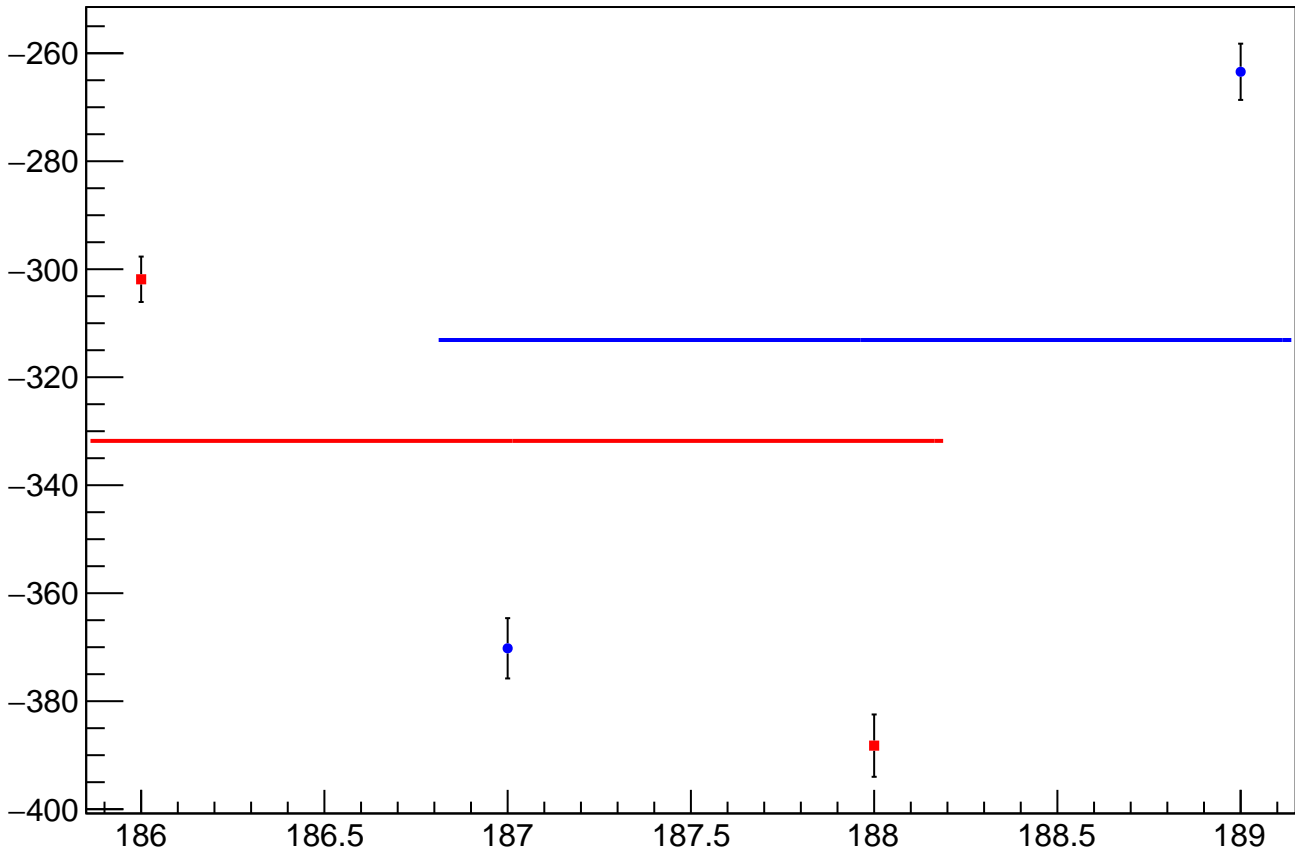
Right: 142.815 $\pm$ 0.265  $\chi^2$ /NDF: 215.1/3

In: 142.645 $\pm$ 0.345  $\chi^2$ /NDF:95.6/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 142.815 $\pm$ 0.265  $\chi^2$ /NDF: 215.1/3

reg\_asym\_atr1l2\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -313.109+/-3.809  $\chi^2$ /NDF: 195.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -331.794+/-3.398  $\chi^2$ /NDF: 146.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

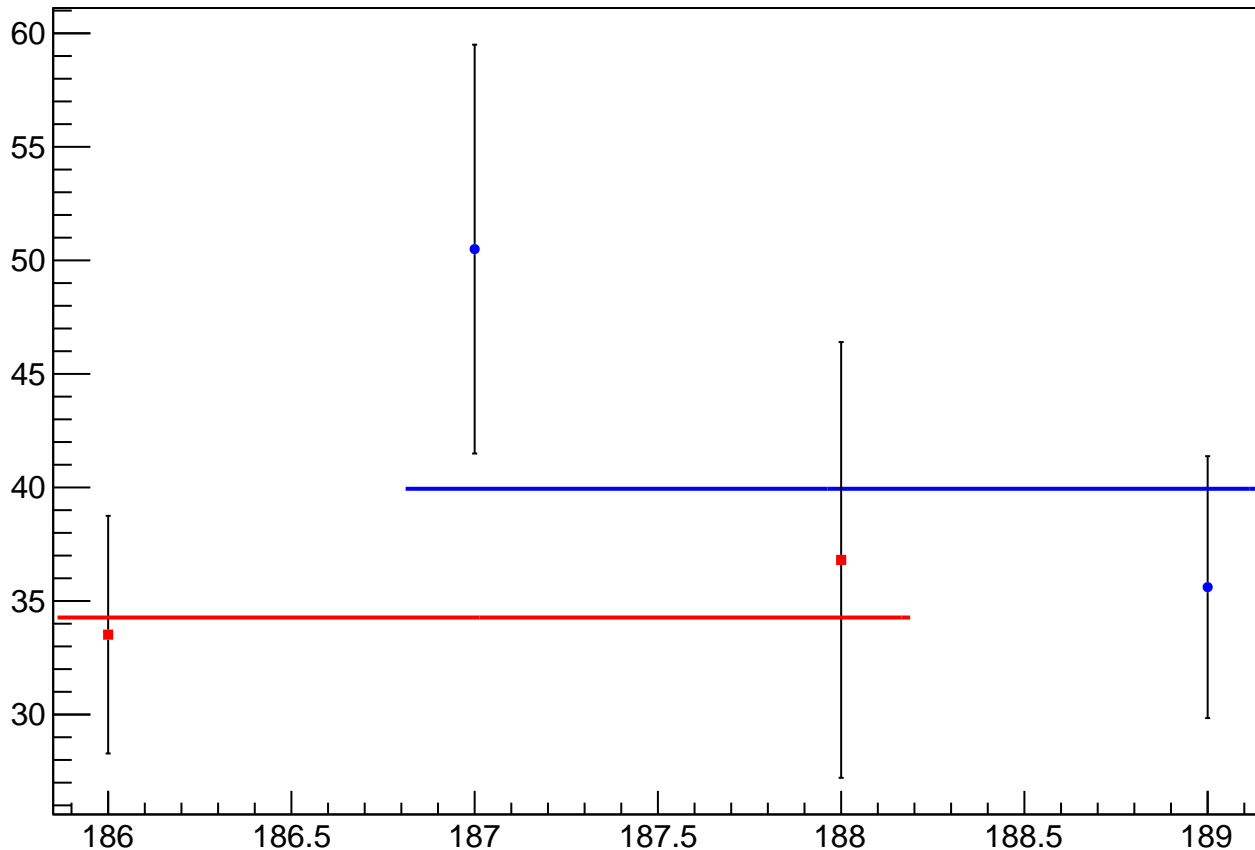
Right: -323.512+/-2.536  $\chi^2$ /NDF: 355.2/3

In: -313.109+/-3.809  $\chi^2$ /NDF:195.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -323.512+/-2.536  $\chi^2$ /NDF: 355.2/3

reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 39.942±/4.856  $\chi^2$ /NDF: 1.9/1

Left Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Right Out: 34.272±/4.594  $\chi^2$ /NDF: 0.1/1

Left In: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/0.000  $\chi^2$ /NDF: 0.0/0

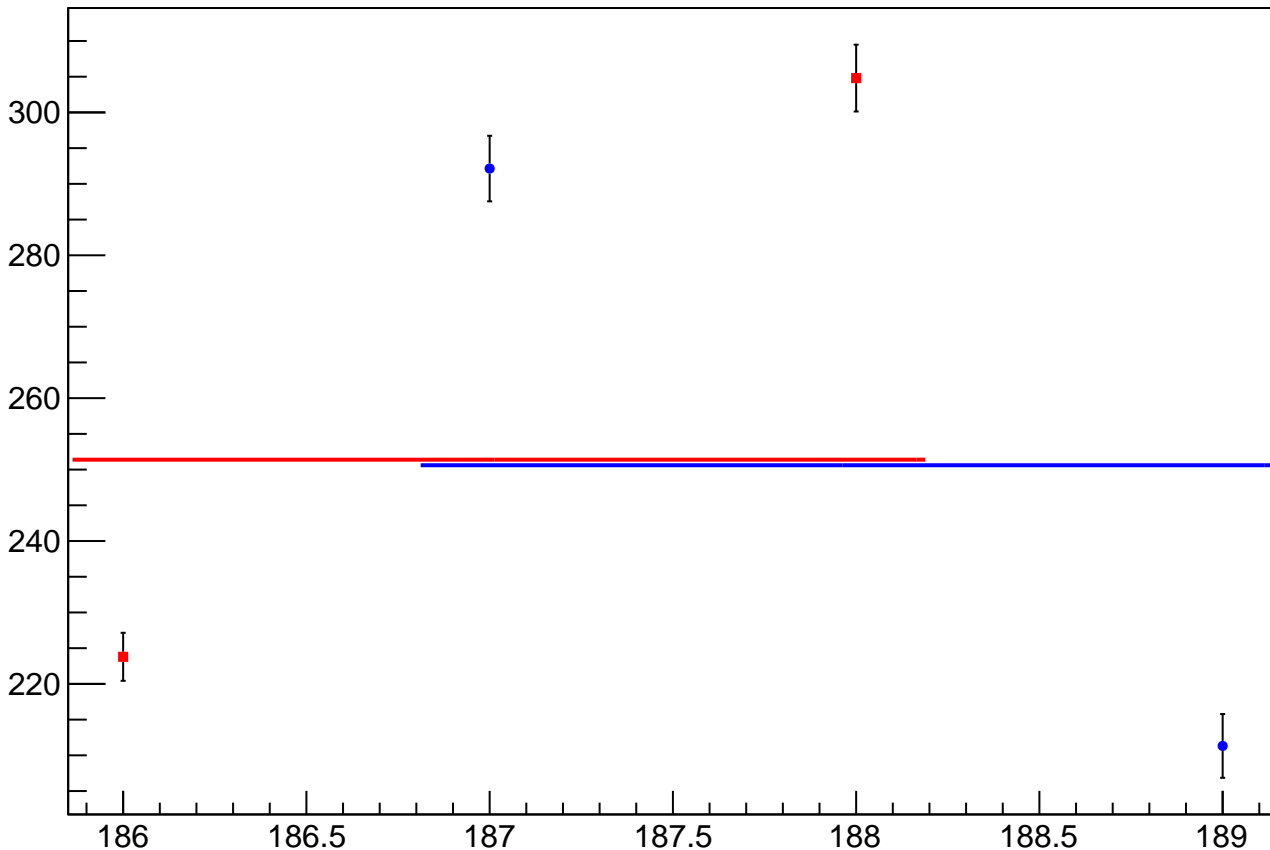
Right: 36.950±/3.337  $\chi^2$ /NDF: 2.7/3

In: 39.942±/4.856  $\chi^2$ /NDF:1.9/1

Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

All: 36.950±/3.337  $\chi^2$ /NDF: 2.7/3

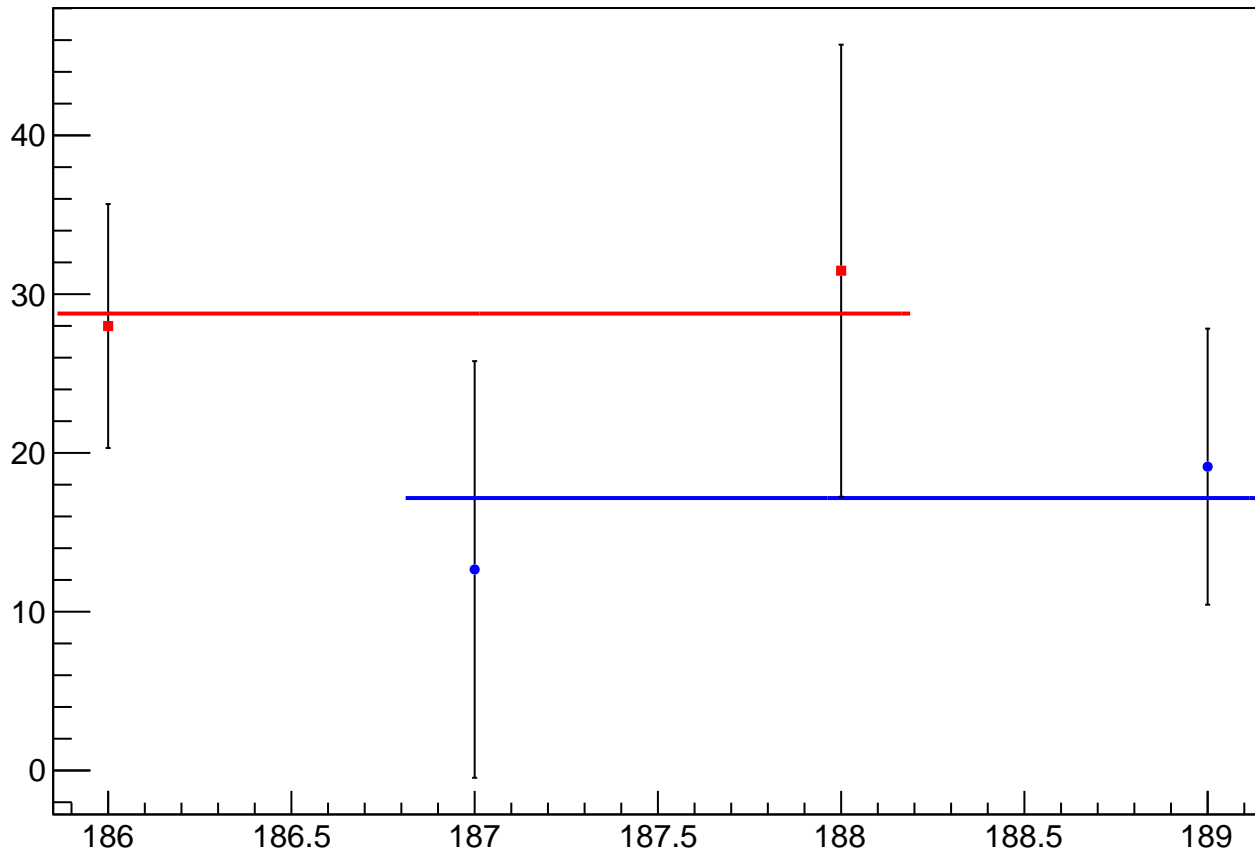
# reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 250.609+/-3.199  $\chi^2$ /NDF: 159.4/1  
Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
Right Out: 251.387+/-2.730  $\chi^2$ /NDF: 197.8/1  
Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0  
Right: 251.059+/-2.077  $\chi^2$ /NDF: 357.2/3  
In: 250.609+/-3.199  $\chi^2$ /NDF:159.4/1  
Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0  
All: 251.059+/-2.077  $\chi^2$ /NDF: 357.2/3

reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 17.158+/-7.248  $\chi^2$ /NDF: 0.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 28.778+/-6.761  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

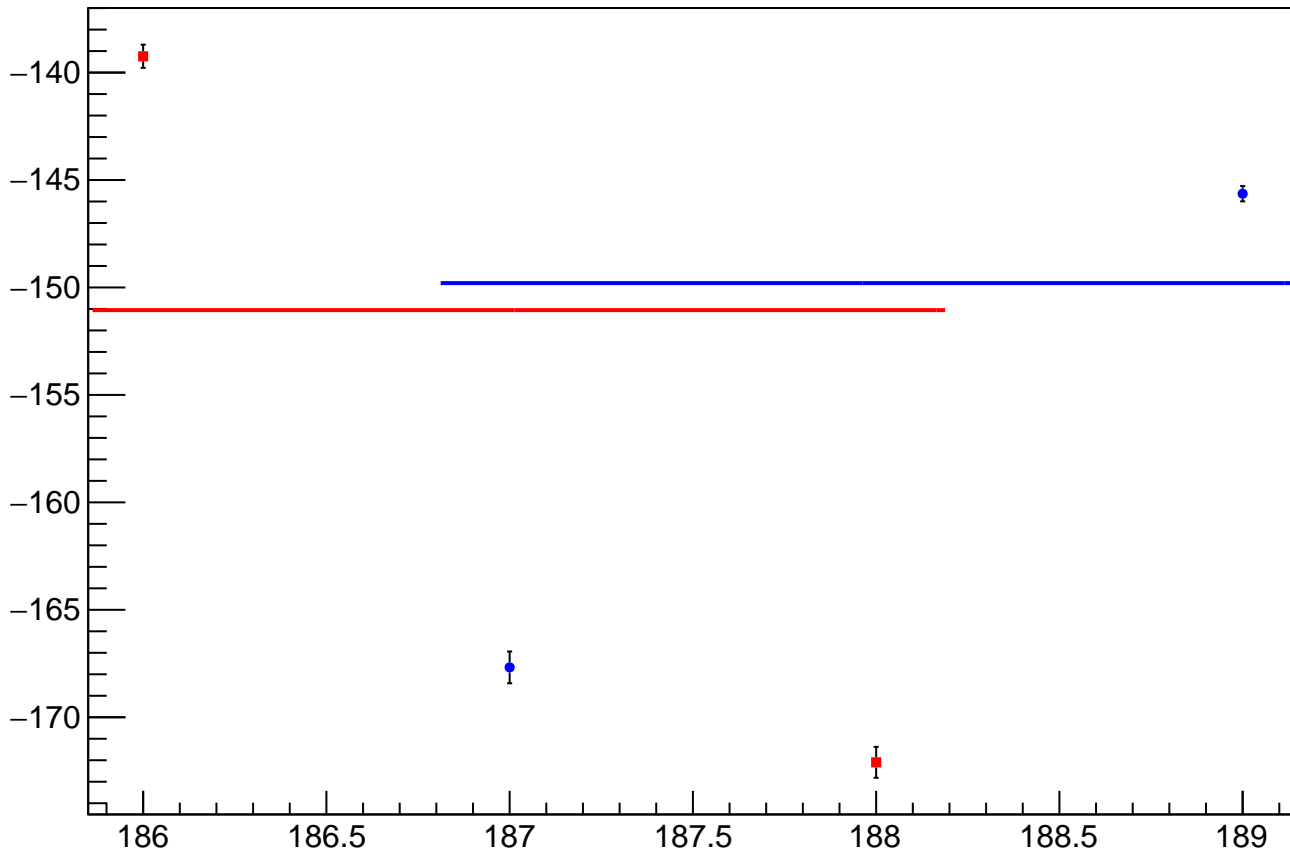
Right: 23.372+/-4.944  $\chi^2$ /NDF: 1.6/3

In: 17.158+/-7.248  $\chi^2$ /NDF:0.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 23.372+/-4.944  $\chi^2$ /NDF: 1.6/3

reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -149.797+/-0.321  $\chi^2$ /NDF: 721.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -151.054+/-0.432  $\chi^2$ /NDF: 1333.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

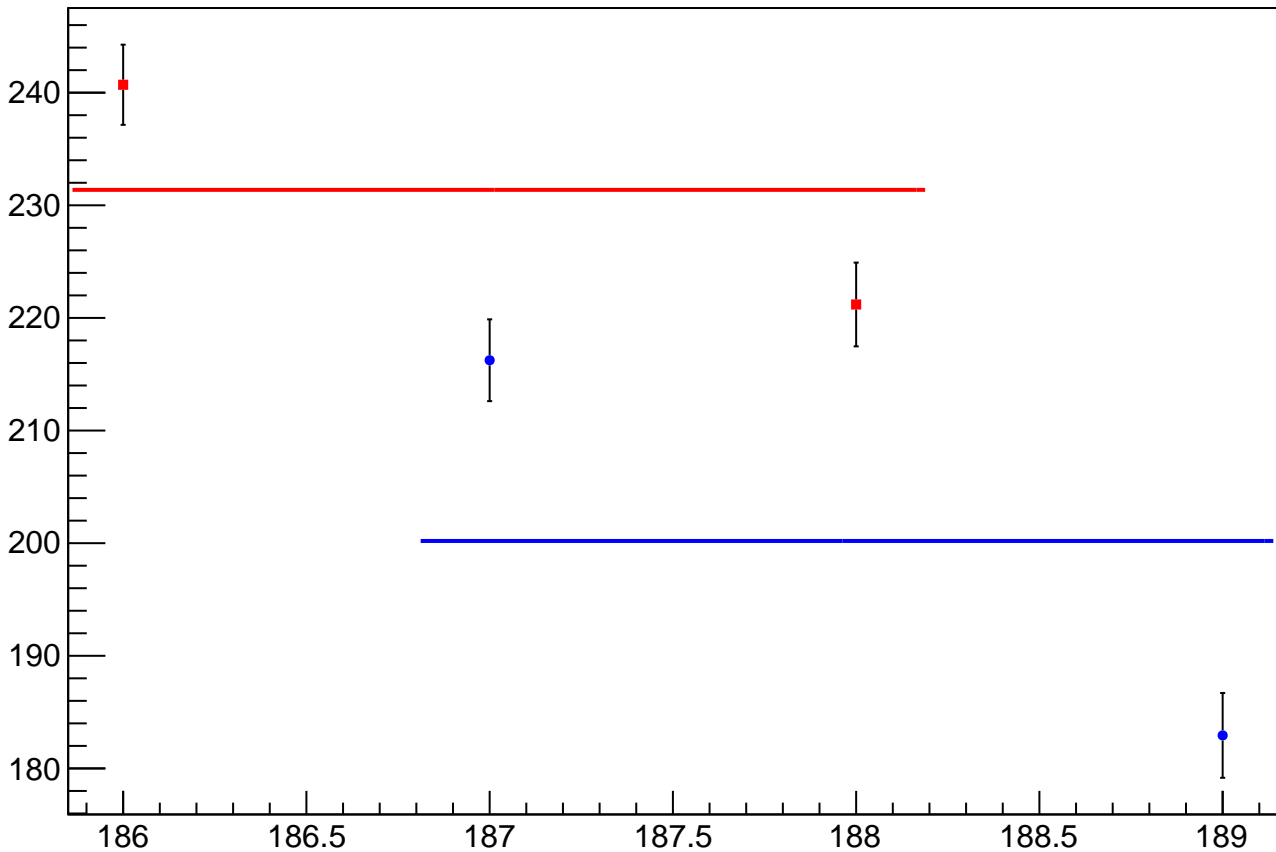
Right: -150.245+/-0.258  $\chi^2$ /NDF: 2060.6/3

In: -149.797+/-0.321  $\chi^2$ /NDF:721.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -150.245+/-0.258  $\chi^2$ /NDF: 2060.6/3

# reg\_asym\_atr1l2\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 200.197 $\pm$ 2.614  $\chi^2$ /NDF: 40.5/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 231.372 $\pm$ 2.571  $\chi^2$ /NDF: 14.4/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

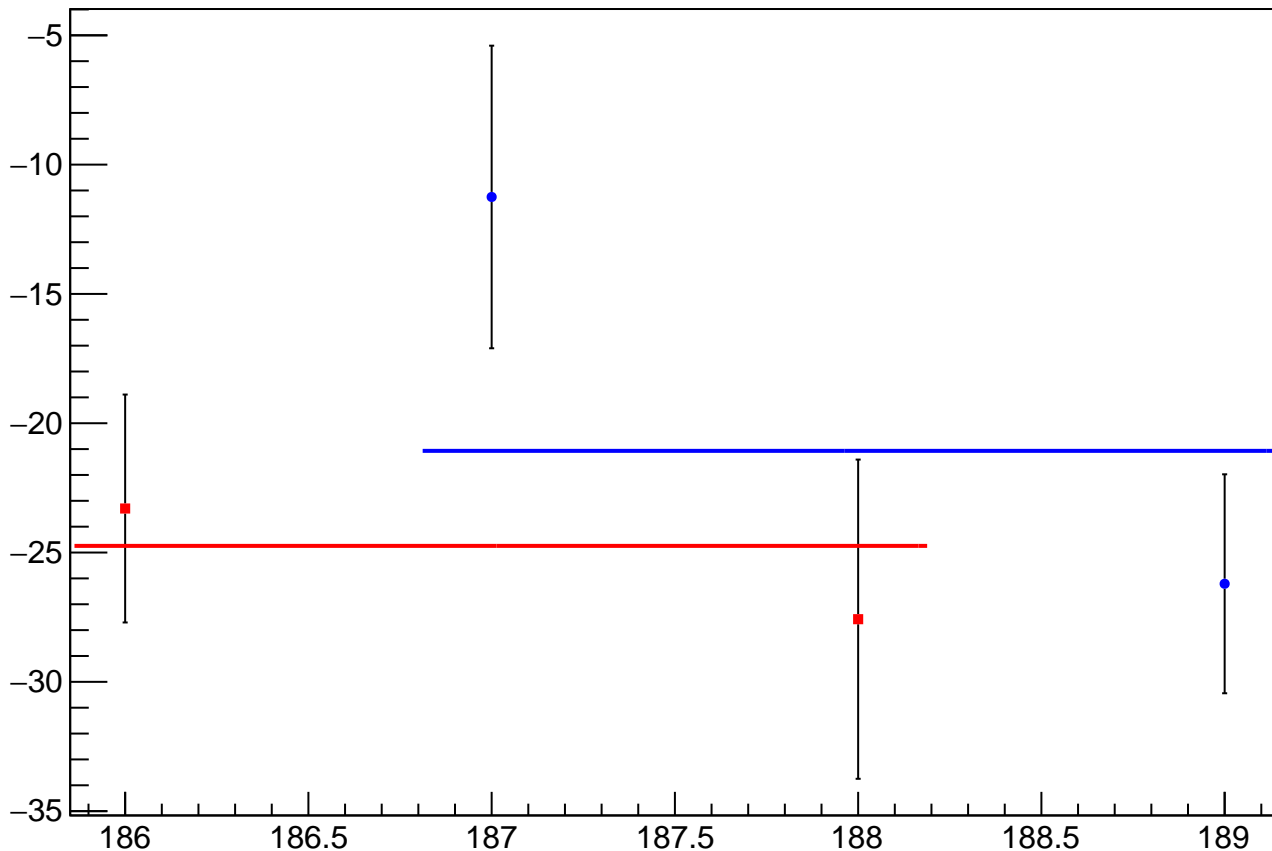
Right: 216.040 $\pm$ 1.833  $\chi^2$ /NDF: 127.2/3

In: 200.197 $\pm$ 2.614  $\chi^2$ /NDF:40.5/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 216.040 $\pm$ 1.833  $\chi^2$ /NDF: 127.2/3

reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -21.068+/-3.430  $\chi^2$ /NDF: 4.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -24.743+/-3.586  $\chi^2$ /NDF: 0.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: -22.823+/-2.479  $\chi^2$ /NDF: 5.2/3

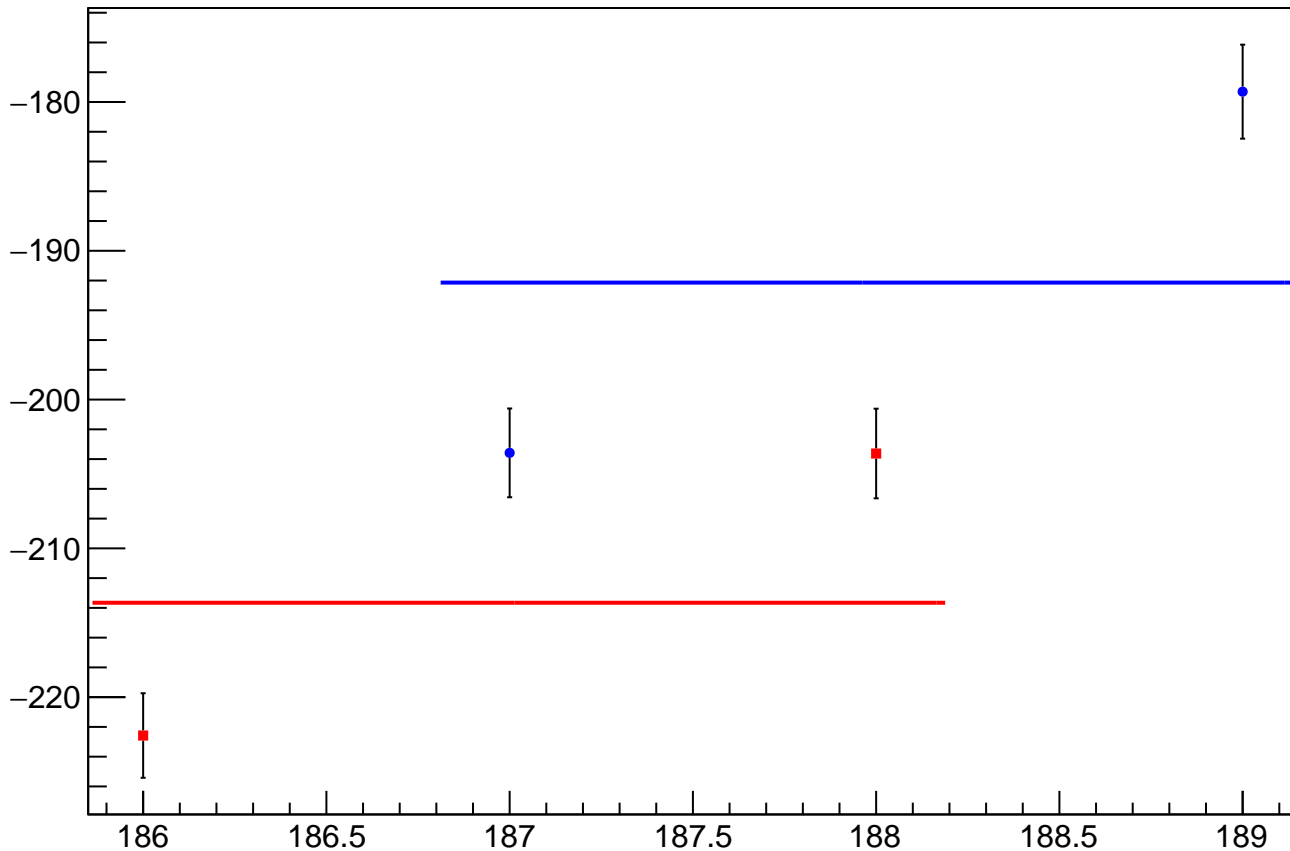
In: -21.068+/-3.430  $\chi^2$ /NDF:4.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -22.823+/-2.479  $\chi^2$ /NDF: 5.2/3



# reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -192.137+/-2.169  $\chi^2$ /NDF: 31.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -213.655+/-2.067  $\chi^2$ /NDF: 20.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

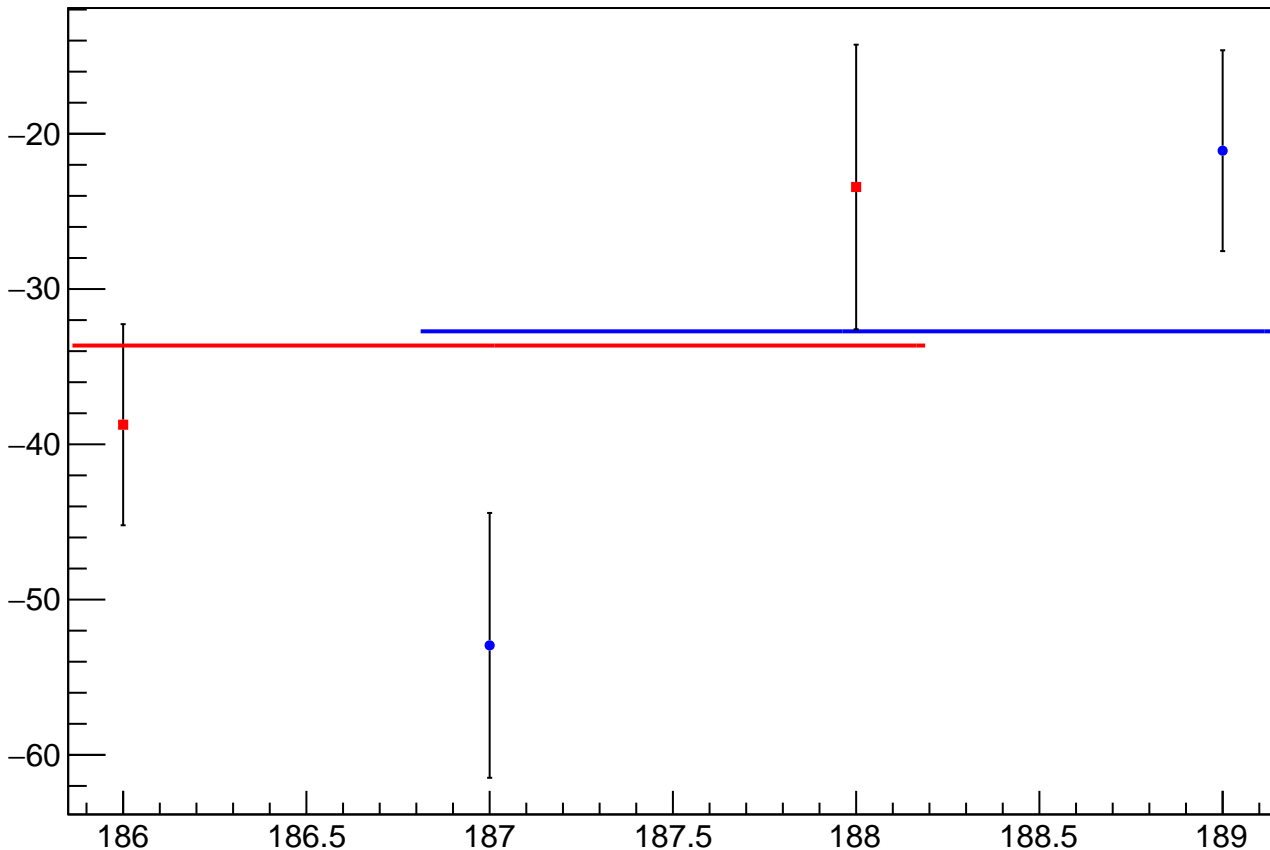
Right: -203.412+/-1.496  $\chi^2$ /NDF: 103.7/3

In: -192.137+/-2.169  $\chi^2$ /NDF:31.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -203.412+/-1.496  $\chi^2$ /NDF: 103.7/3

reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -32.723+/-5.154  $\chi^2$ /NDF: 8.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -33.638+/-5.289  $\chi^2$ /NDF: 1.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

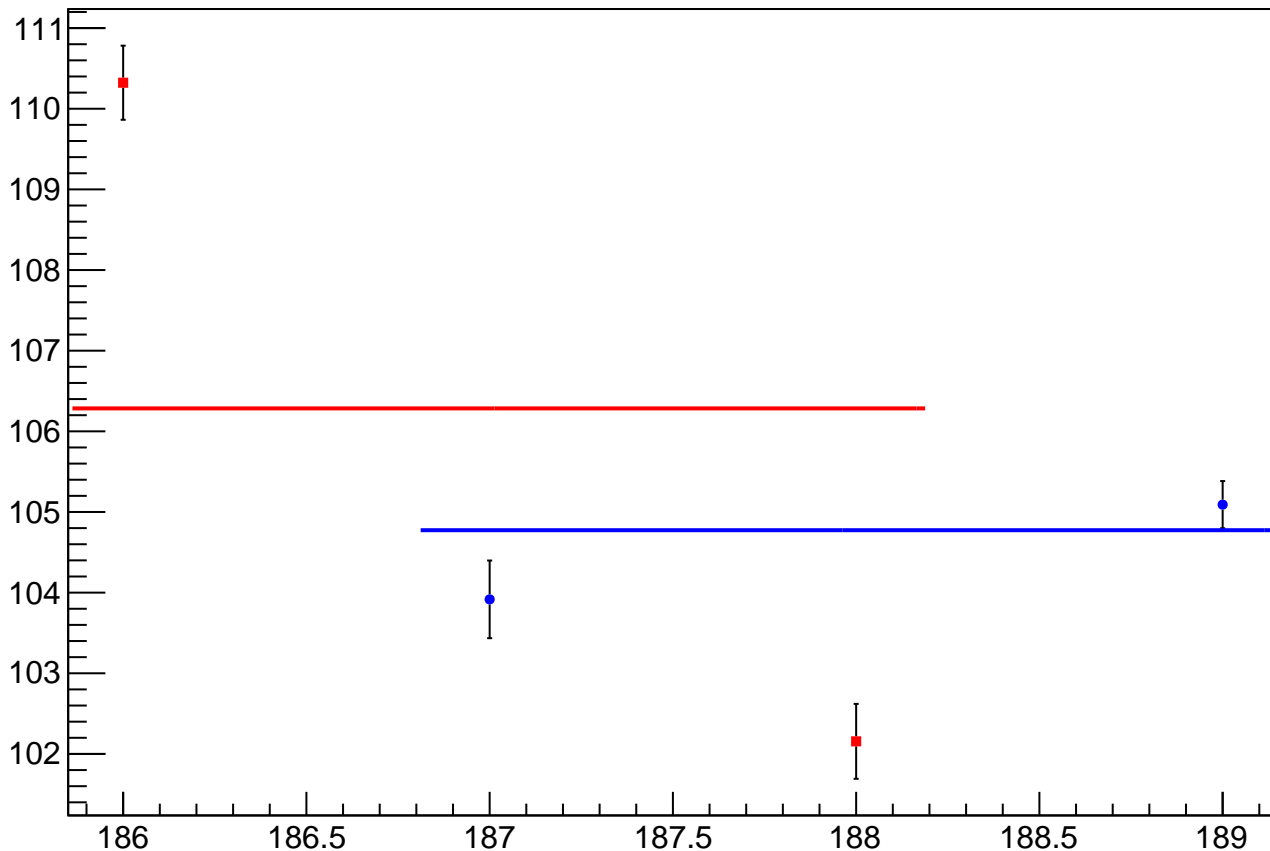
Right: -33.169+/-3.691  $\chi^2$ /NDF: 10.7/3

In: -32.723+/-5.154  $\chi^2$ /NDF:8.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -33.169+/-3.691  $\chi^2$ /NDF: 10.7/3

# reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 104.774 $\pm$ 0.250  $\chi^2$ /NDF: 4.3/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 106.284 $\pm$ 0.327  $\chi^2$ /NDF: 156.3/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

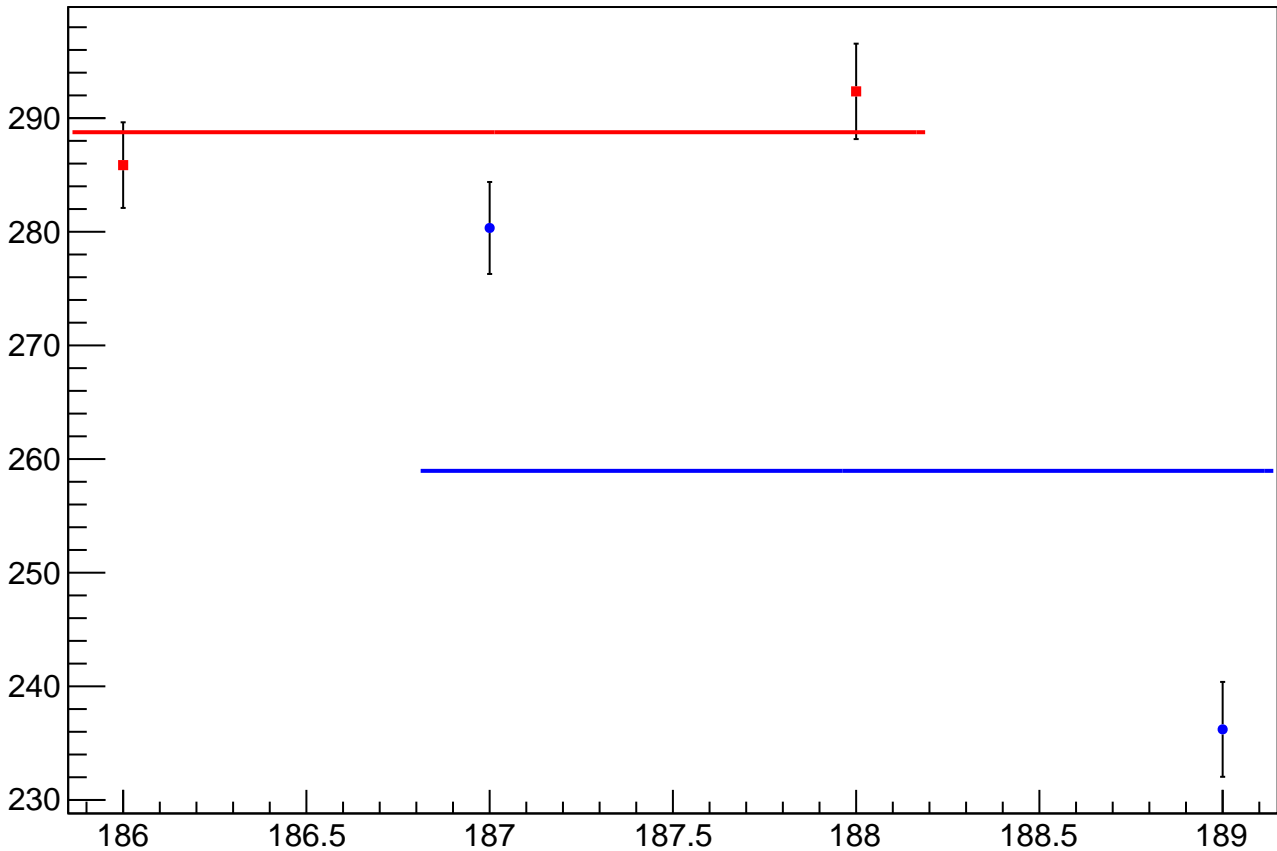
Right: 105.332 $\pm$ 0.199  $\chi^2$ /NDF: 174.1/3

In: 104.774 $\pm$ 0.250  $\chi^2$ /NDF:4.3/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 105.332 $\pm$ 0.199  $\chi^2$ /NDF: 174.1/3

# reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In:  $258.962 \pm 2.906$   $\chi^2/\text{NDF}: 57.6/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $288.761 \pm 2.804$   $\chi^2/\text{NDF}: 1.3/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

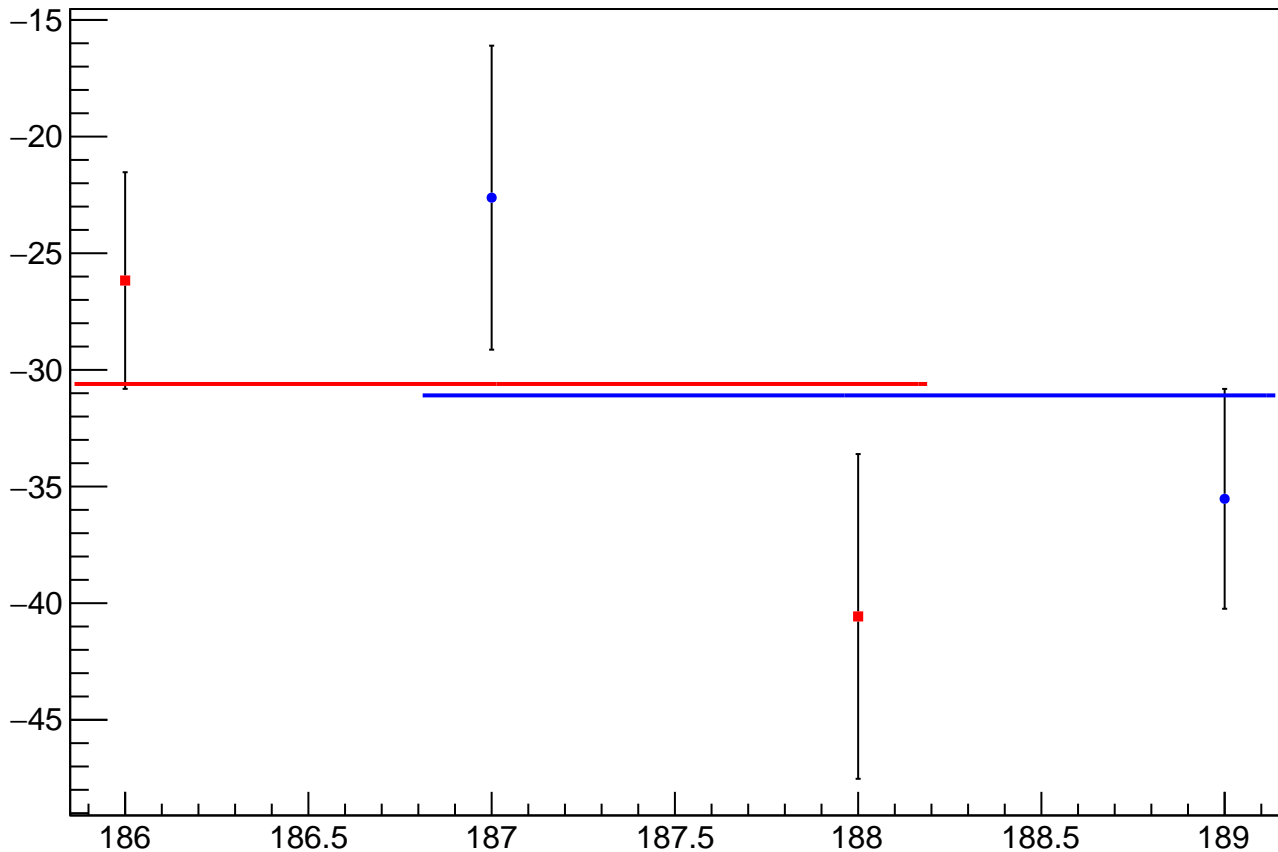
Right:  $274.393 \pm 2.018$   $\chi^2/\text{NDF}: 113.4/3$

In:  $258.962 \pm 2.906$   $\chi^2/\text{NDF}: 57.6/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $274.393 \pm 2.018$   $\chi^2/\text{NDF}: 113.4/3$

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -31.093+/-3.818  $\chi^2$ /NDF: 2.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -30.603+/-3.862  $\chi^2$ /NDF: 3.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

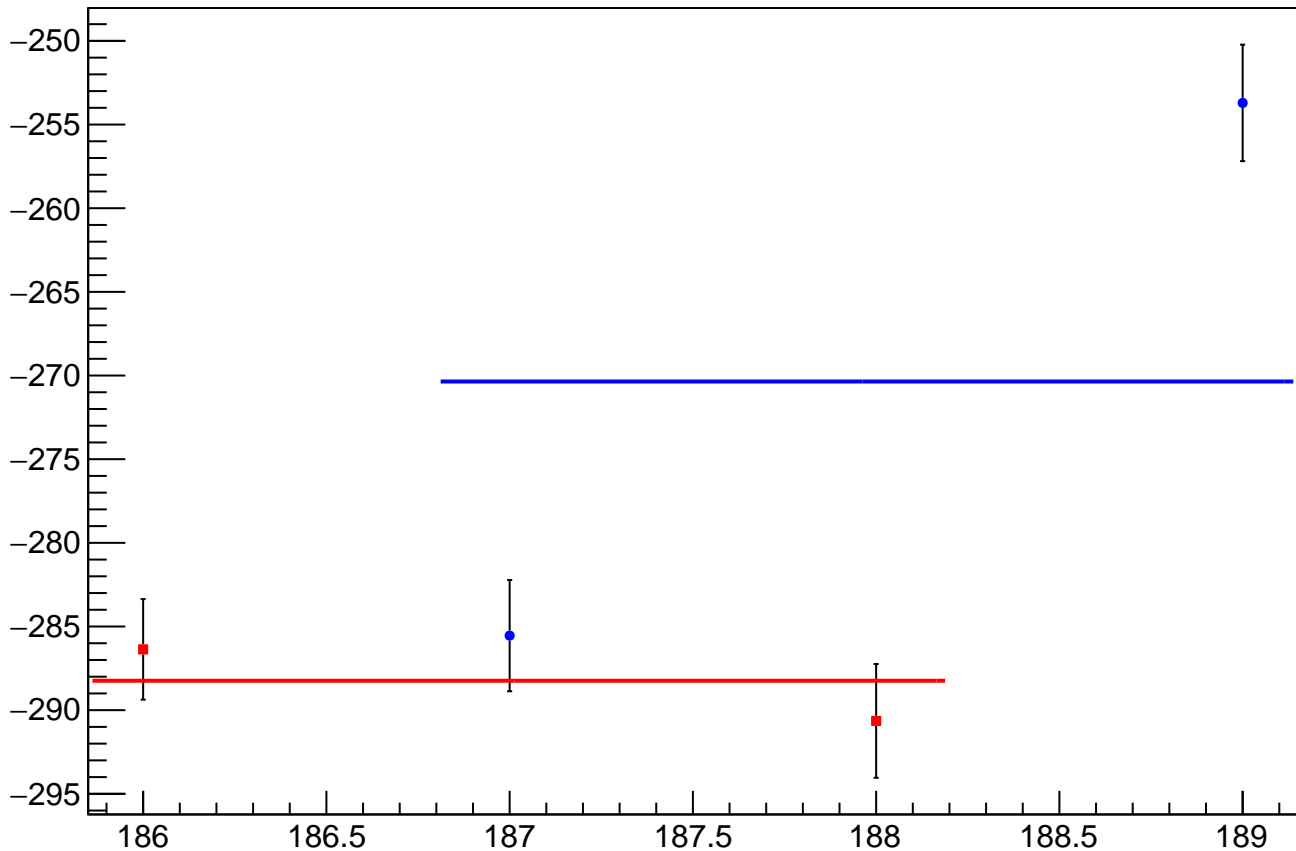
Right: -30.851+/-2.715  $\chi^2$ /NDF: 5.5/3

In: -31.093+/-3.818  $\chi^2$ /NDF:2.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -30.851+/-2.715  $\chi^2$ /NDF: 5.5/3

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-270.358 \pm 2.404$   $\chi^2/\text{NDF}: 43.8/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-288.241 \pm 2.252$   $\chi^2/\text{NDF}: 0.9/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

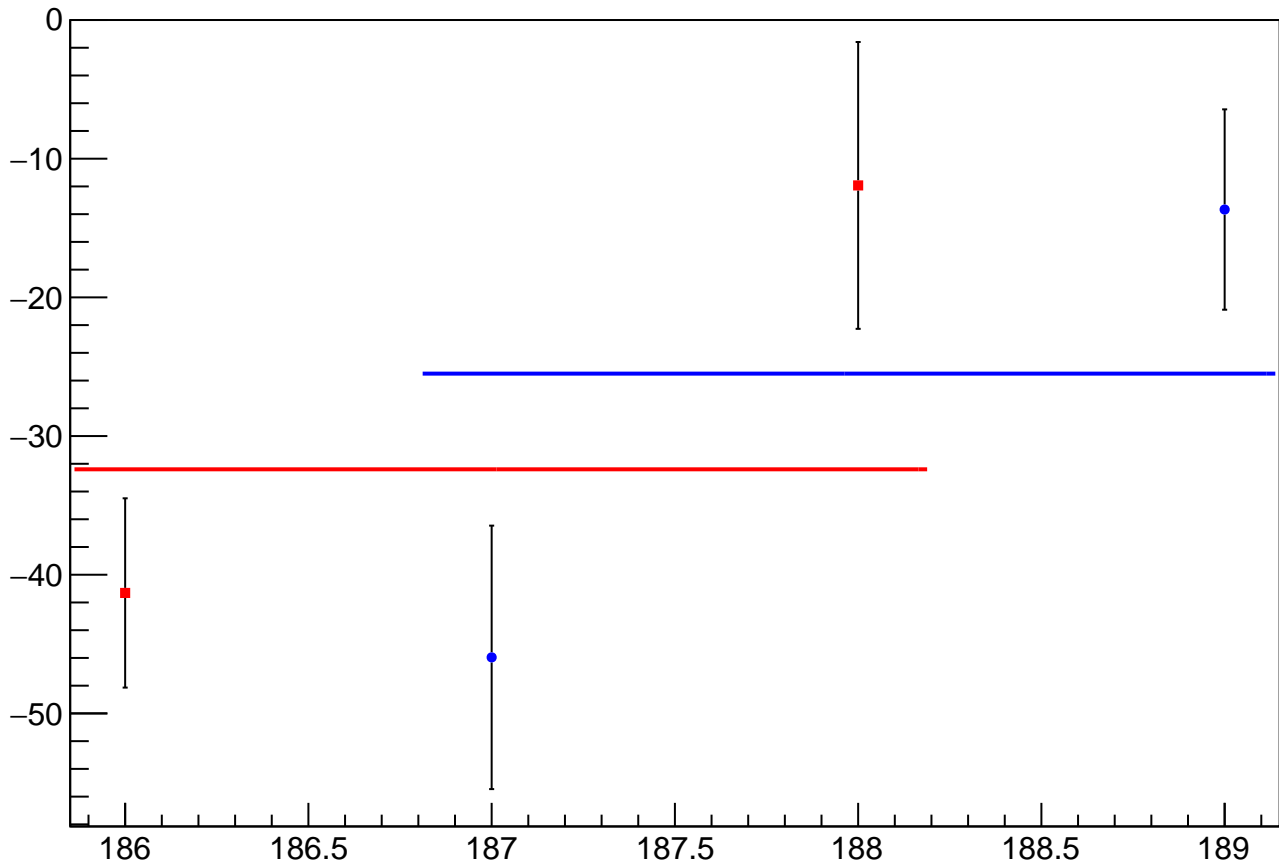
Right:  $-279.884 \pm 1.643$   $\chi^2/\text{NDF}: 74.1/3$

In:  $-270.358 \pm 2.404$   $\chi^2/\text{NDF}: 43.8/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-279.884 \pm 1.643$   $\chi^2/\text{NDF}: 74.1/3$

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -25.498+/-5.750  $\chi^2$ /NDF: 7.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -32.398+/-5.696  $\chi^2$ /NDF: 5.6/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

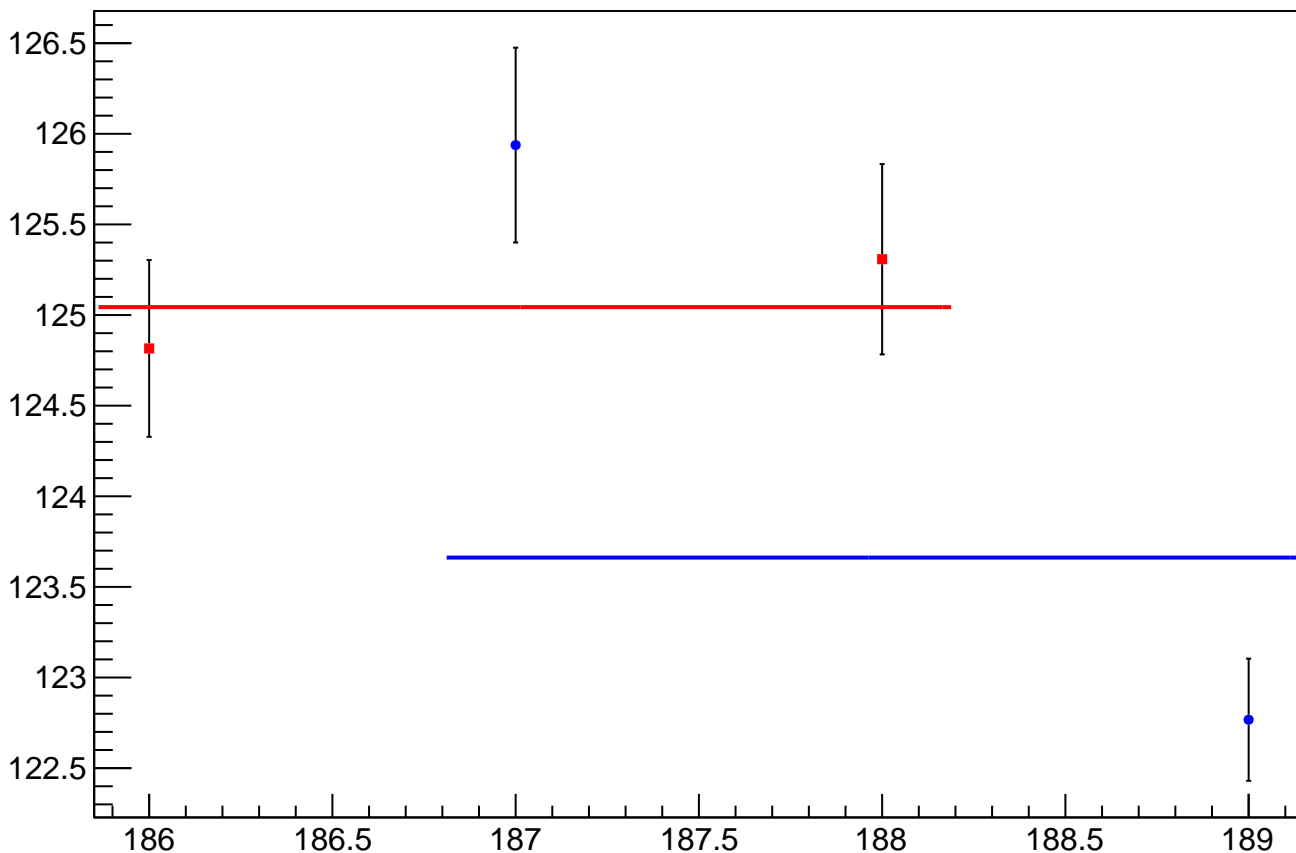
Right: -28.981+/-4.047  $\chi^2$ /NDF: 13.7/3

In: -25.498+/-5.750  $\chi^2$ /NDF:7.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -28.981+/-4.047  $\chi^2$ /NDF: 13.7/3

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 123.662 $\pm$ 0.285  $\chi^2$ /NDF: 25.0/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 125.044 $\pm$ 0.357  $\chi^2$ /NDF: 0.5/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right: 124.200 $\pm$ 0.223  $\chi^2$ /NDF: 34.6/3

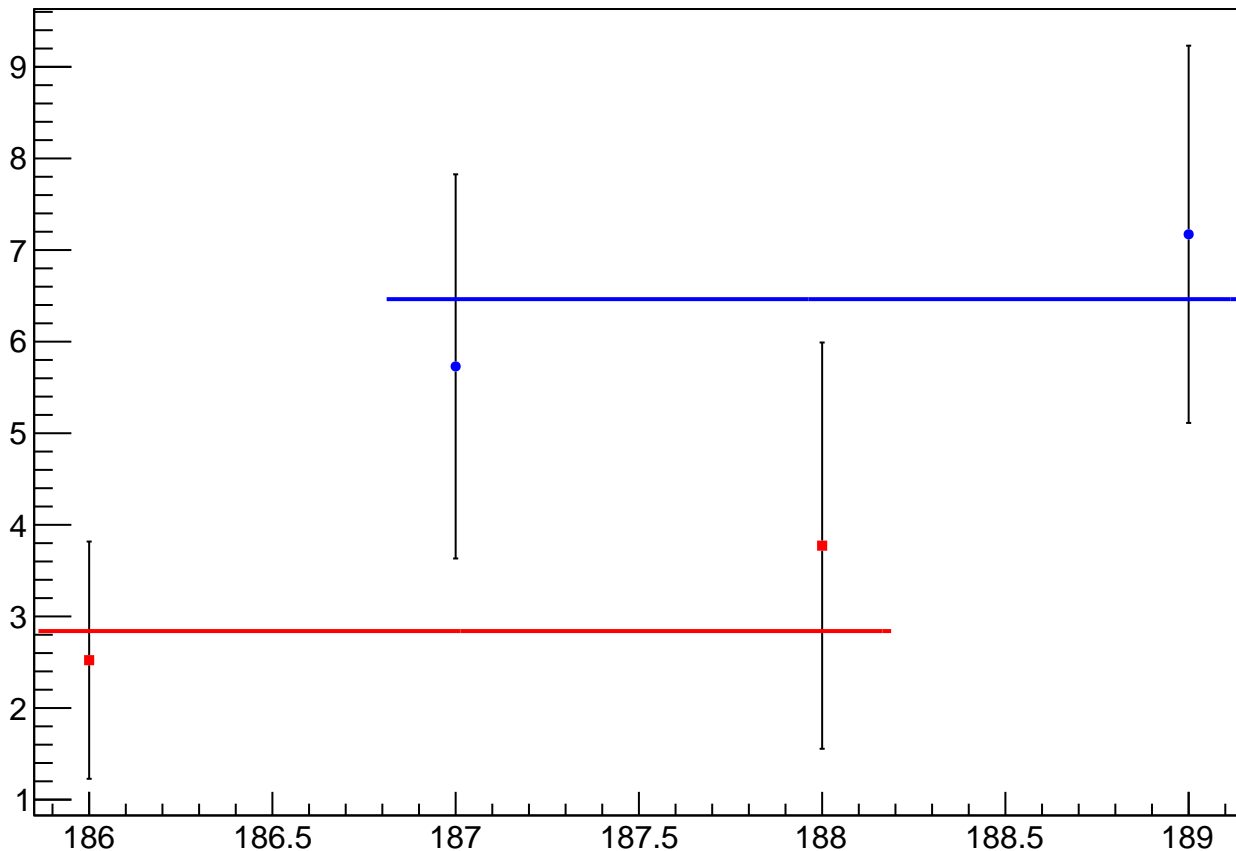
In: 123.662 $\pm$ 0.285  $\chi^2$ /NDF:25.0/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 124.200 $\pm$ 0.223  $\chi^2$ /NDF: 34.6/3



reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 6.464+/-1.469  $\chi^2/\text{NDF}$ : 0.2/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.840+/-1.118  $\chi^2/\text{NDF}$ : 0.2/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

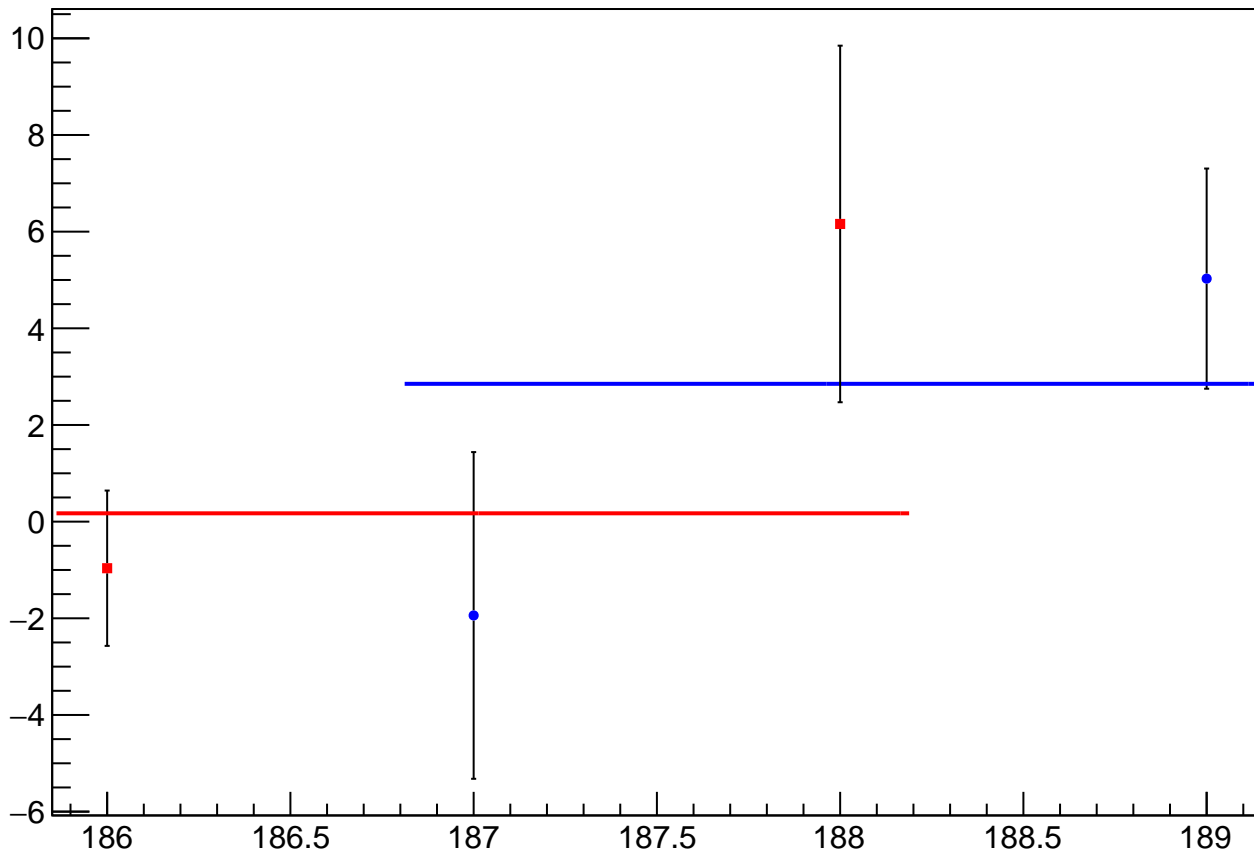
Right: 4.169+/-0.890  $\chi^2/\text{NDF}$ : 4.3/3

In: 6.464+/-1.469  $\chi^2/\text{NDF}$ : 0.2/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.169+/-0.890  $\chi^2/\text{NDF}$ : 4.3/3

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.851+/-1.889  $\chi^2$ /NDF: 2.9/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.172+/-1.473  $\chi^2$ /NDF: 3.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

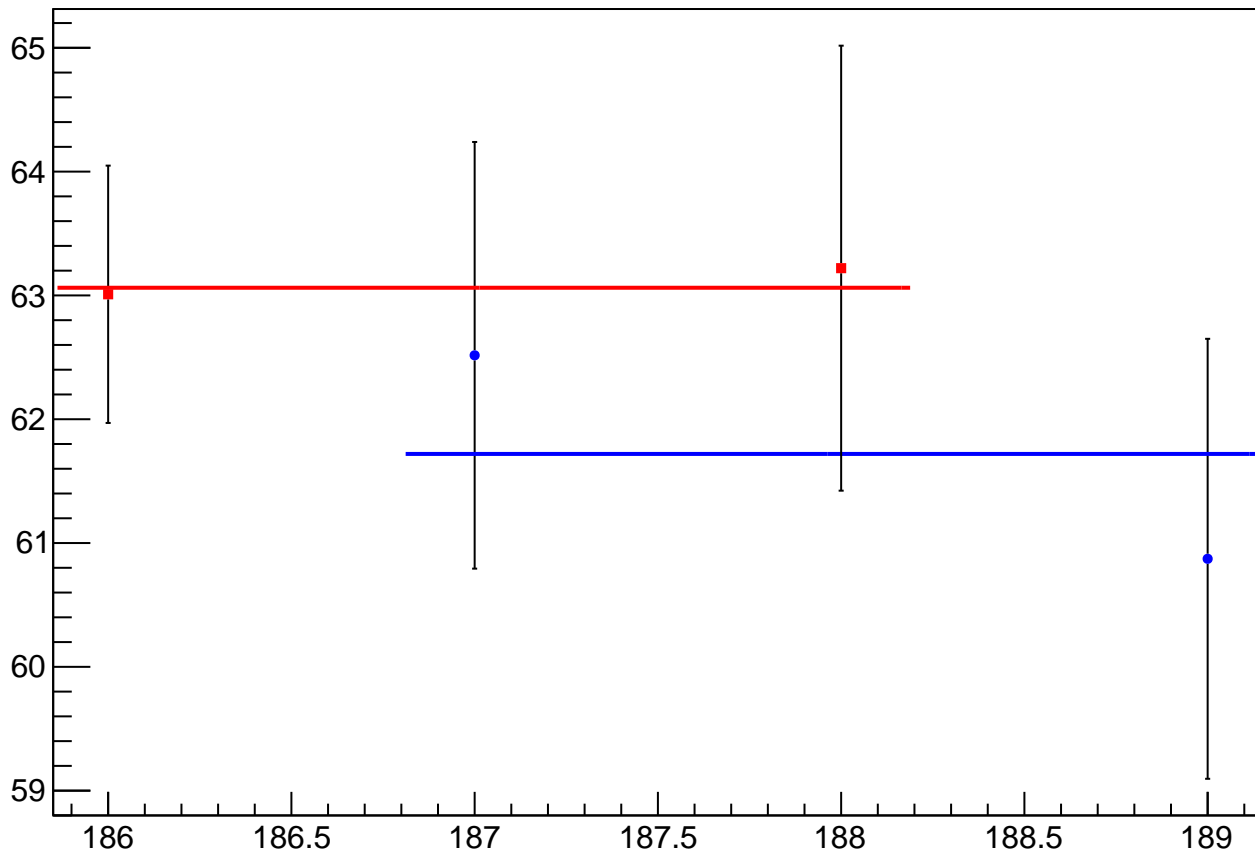
Right: 1.185+/-1.162  $\chi^2$ /NDF: 7.3/3

In: 2.851+/-1.889  $\chi^2$ /NDF:2.9/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 1.185+/-1.162  $\chi^2$ /NDF: 7.3/3

# reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 61.720+/-1.237  $\chi^2$ /NDF: 0.4/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 63.062+/-0.900  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

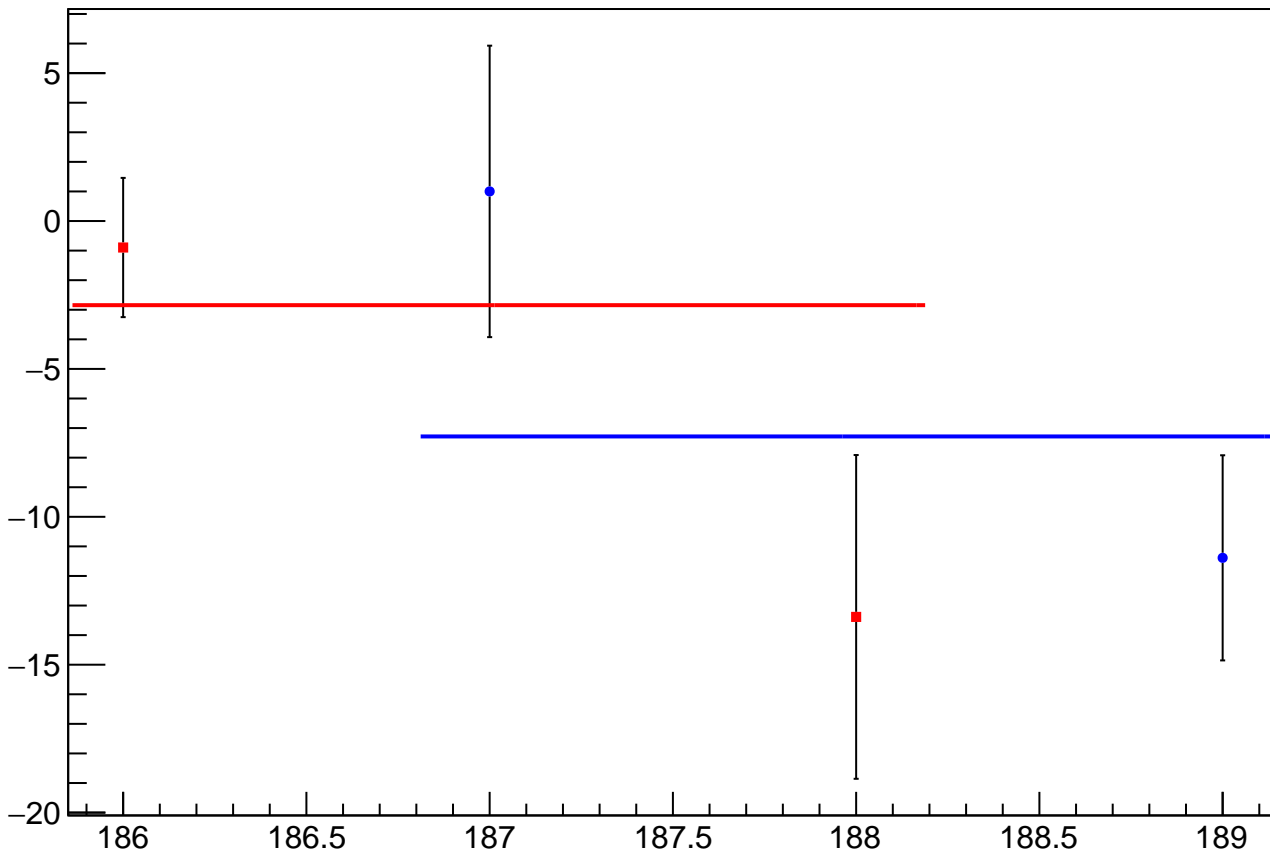
Right: 62.598+/-0.728  $\chi^2$ /NDF: 1.2/3

In: 61.720+/-1.237  $\chi^2$ /NDF:0.4/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 62.598+/-0.728  $\chi^2$ /NDF: 1.2/3

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -7.283+/-2.836  $\chi^2$ /NDF: 4.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.845+/-2.162  $\chi^2$ /NDF: 4.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

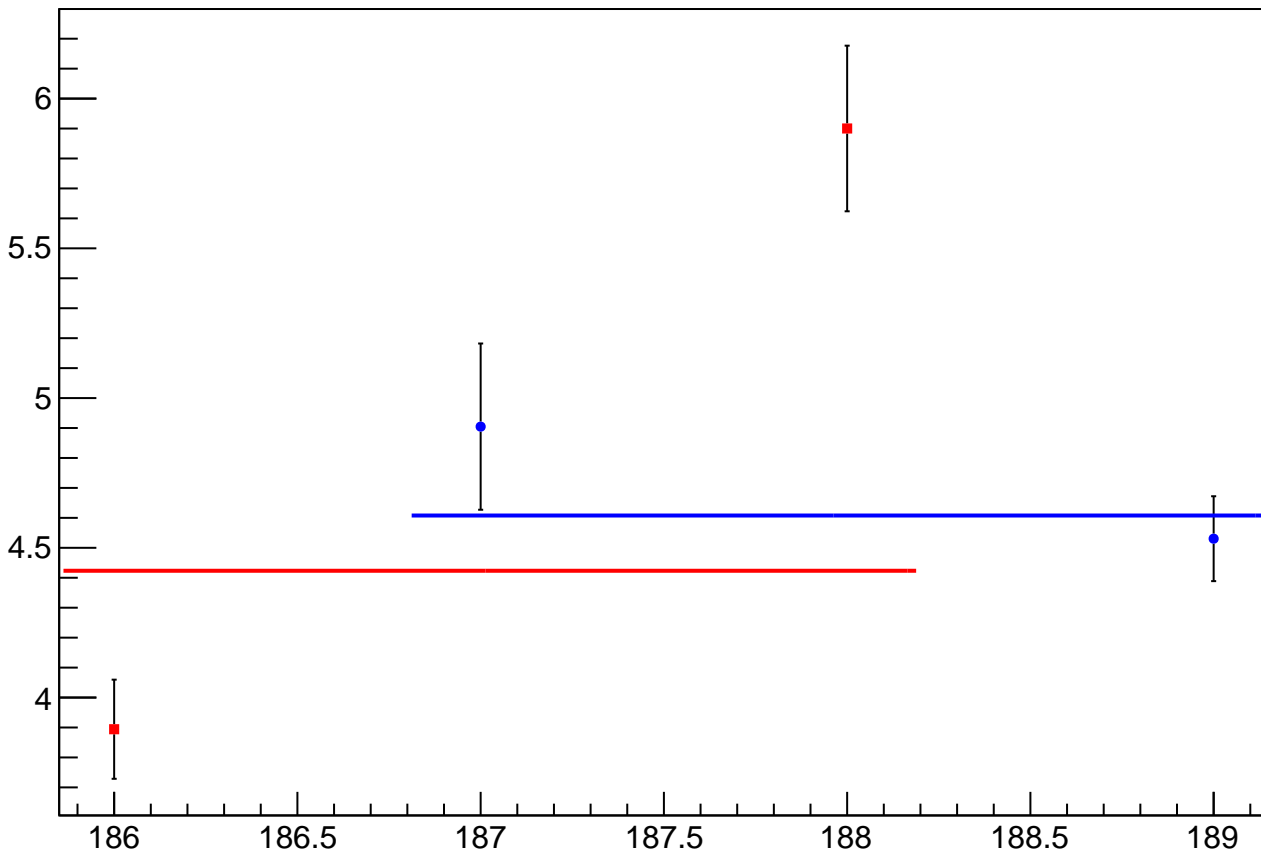
Right: -4.476+/-1.719  $\chi^2$ /NDF: 10.2/3

In: -7.283+/-2.836  $\chi^2$ /NDF:4.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -4.476+/-1.719  $\chi^2$ /NDF: 10.2/3

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 4.608 $\pm$ 0.126  $\chi^2$ /NDF: 1.4/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.423 $\pm$ 0.142  $\chi^2$ /NDF: 38.7/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

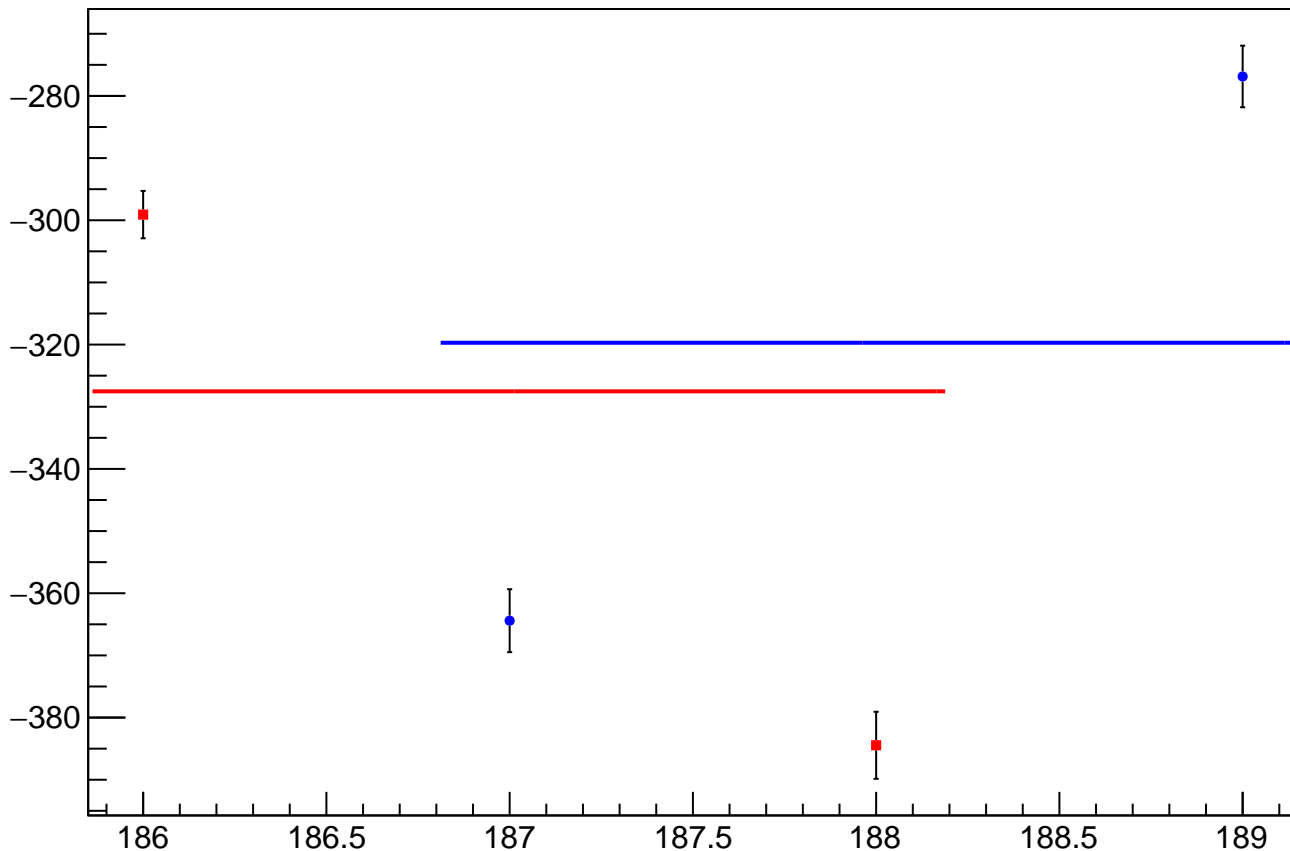
Right: 4.526 $\pm$ 0.094  $\chi^2$ /NDF: 41.1/3

In: 4.608 $\pm$ 0.126  $\chi^2$ /NDF:1.4/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 4.526 $\pm$ 0.094  $\chi^2$ /NDF: 41.1/3

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: -319.705+/-3.541  $\chi^2$ /NDF: 152.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -327.520+/-3.112  $\chi^2$ /NDF: 167.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

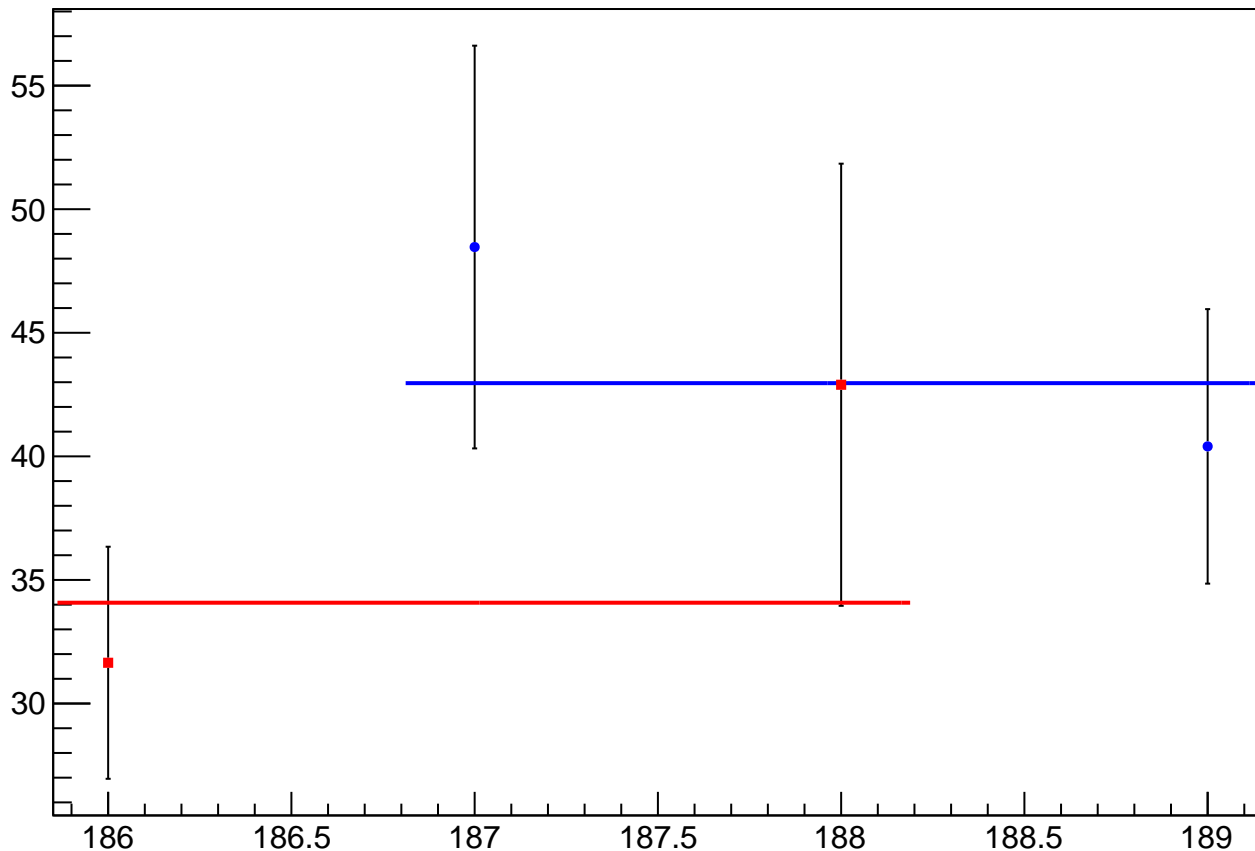
Right: -324.115+/-2.337  $\chi^2$ /NDF: 322.7/3

In: -319.705+/-3.541  $\chi^2$ /NDF:152.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -324.115+/-2.337  $\chi^2$ /NDF: 322.7/3

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 42.962+/-4.589  $\chi^2$ /NDF: 0.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 34.079+/-4.157  $\chi^2$ /NDF: 1.2/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

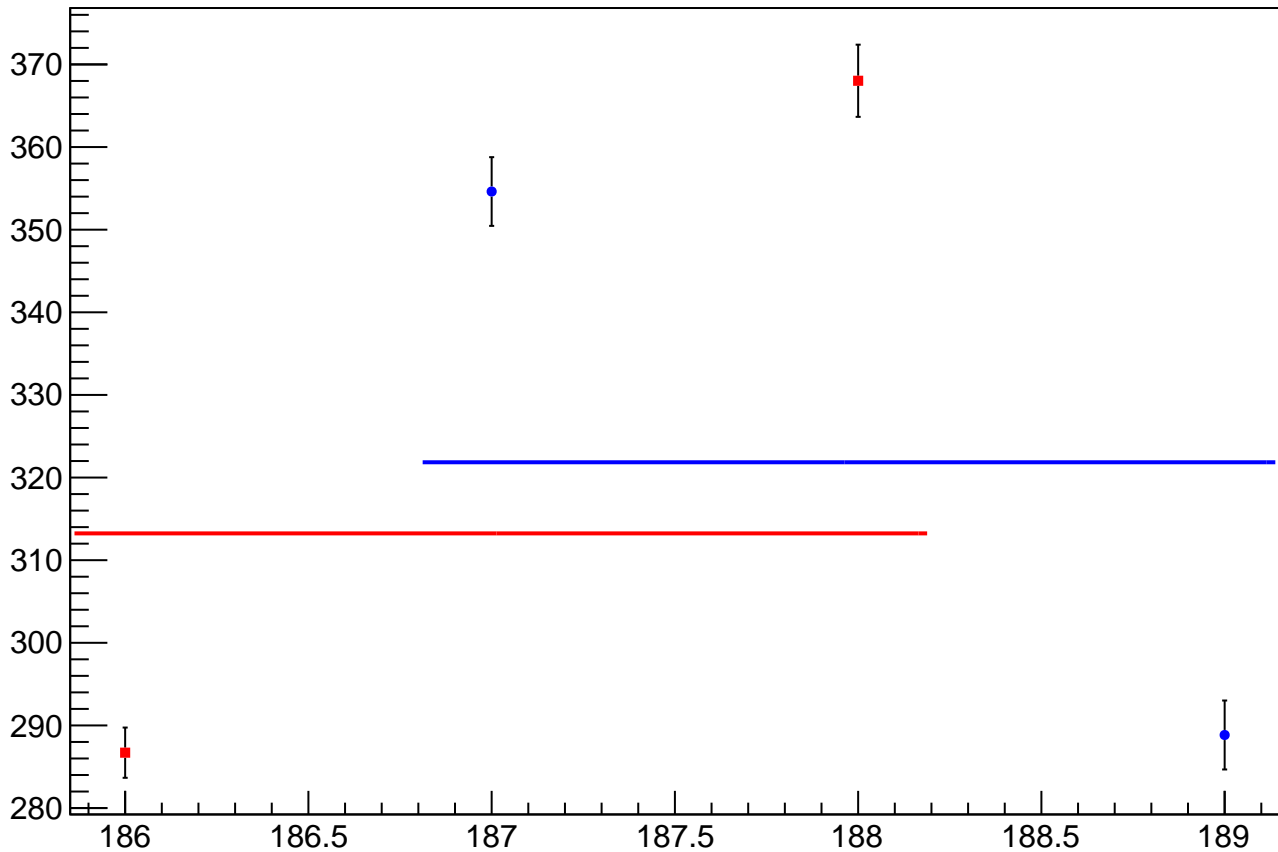
Right: 38.083+/-3.081  $\chi^2$ /NDF: 4.0/3

In: 42.962+/-4.589  $\chi^2$ /NDF:0.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 38.083+/-3.081  $\chi^2$ /NDF: 4.0/3

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 321.850+/-2.946  $\chi^2$ /NDF: 124.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 313.243+/-2.495  $\chi^2$ /NDF: 233.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

Right: 316.839+/-1.904  $\chi^2$ /NDF: 363.1/3

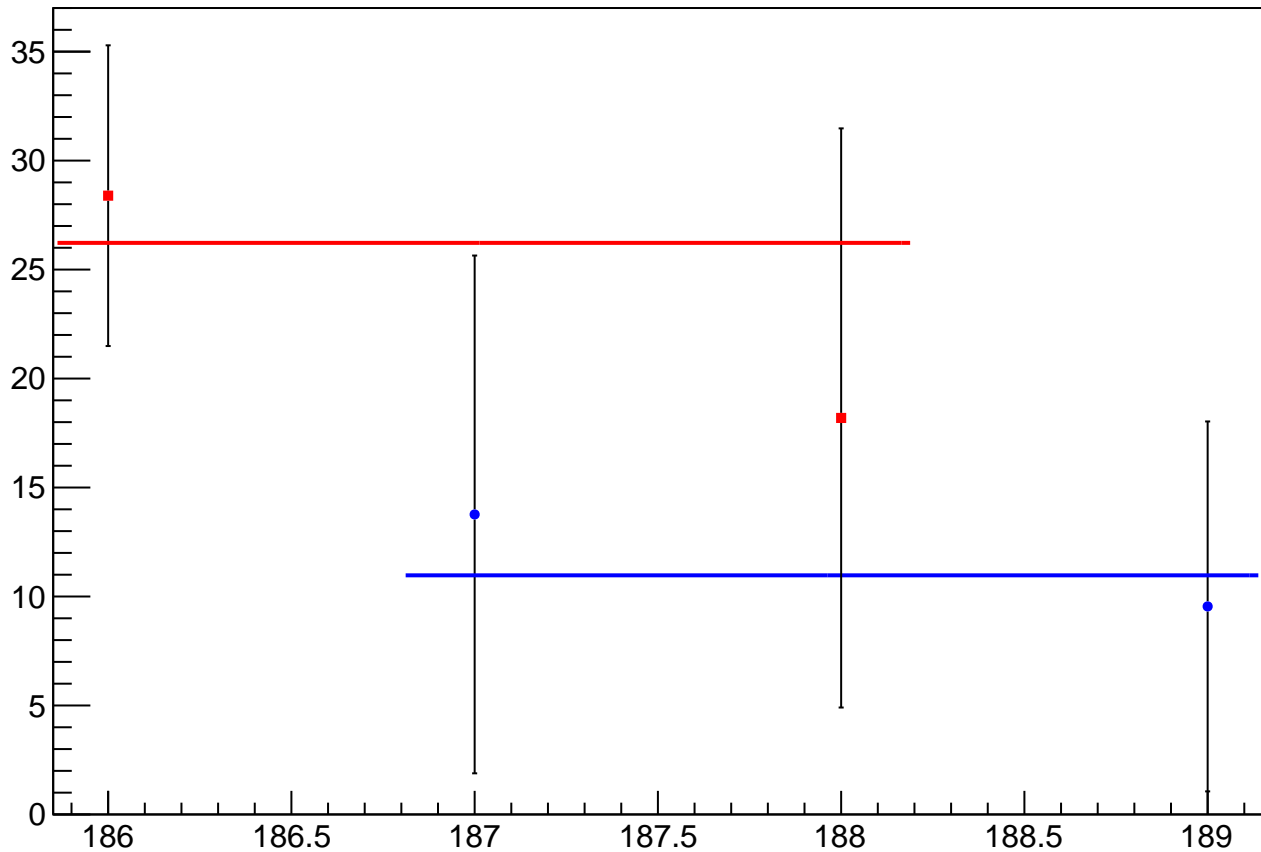
In: 321.850+/-2.946  $\chi^2$ /NDF:124.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 316.839+/-1.904  $\chi^2$ /NDF: 363.1/3



reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 10.971+/-6.905  $\chi^2/\text{NDF}$ : 0.1/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 26.225+/-6.123  $\chi^2/\text{NDF}$ : 0.5/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

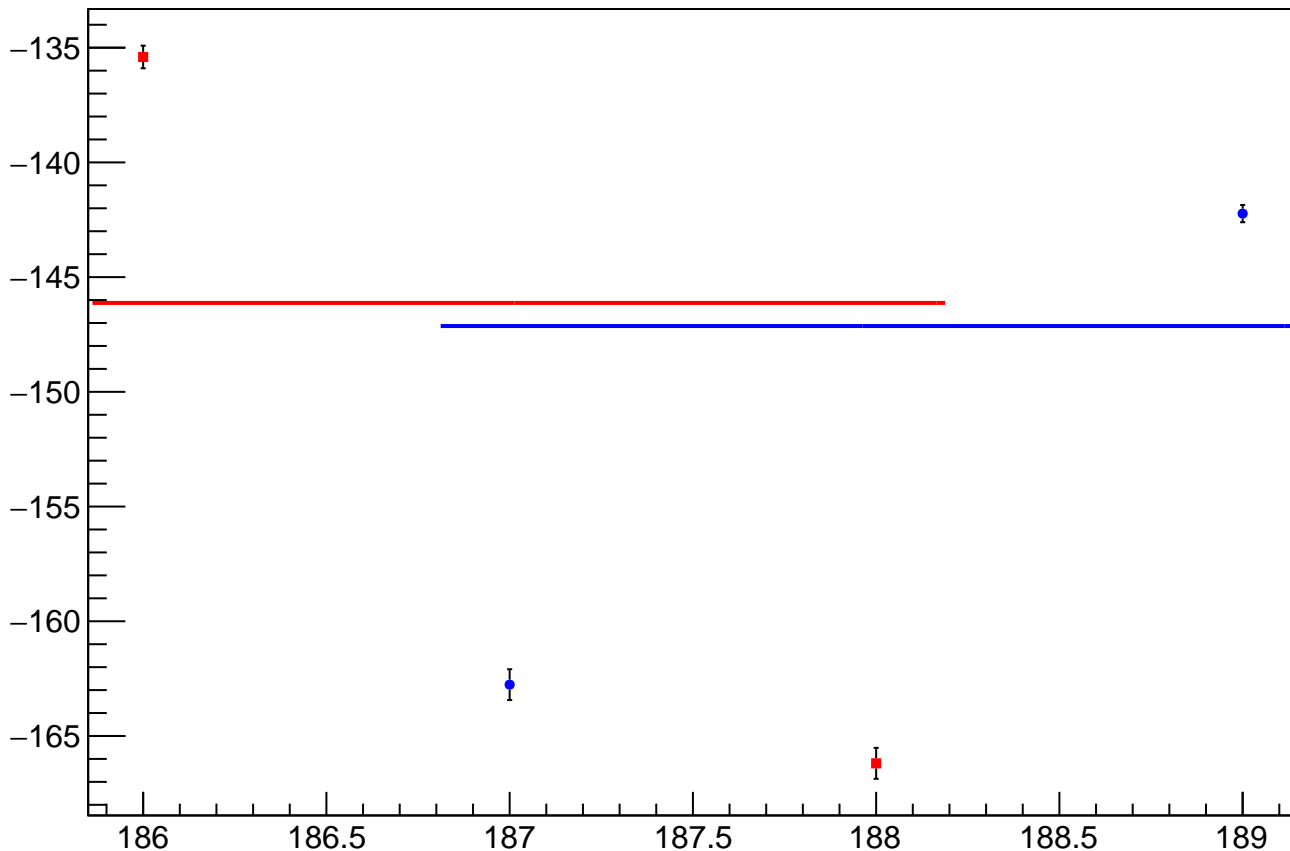
Right: 19.511+/-4.581  $\chi^2/\text{NDF}$ : 3.3/3

In: 10.971+/-6.905  $\chi^2/\text{NDF}$ : 0.1/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 19.511+/-4.581  $\chi^2/\text{NDF}$ : 3.3/3

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -147.132+/-0.328  $\chi^2$ /NDF: 710.8/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -146.124+/-0.398  $\chi^2$ /NDF: 1359.5/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

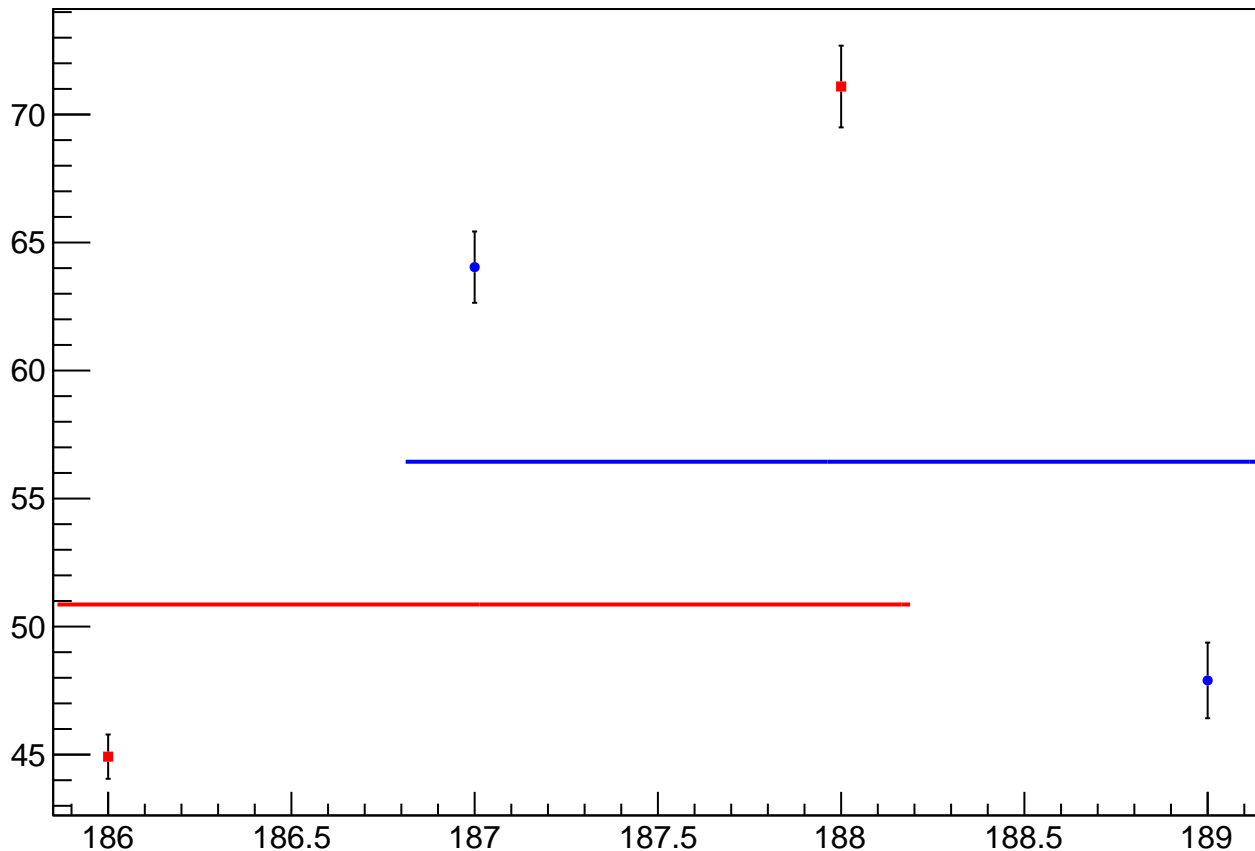
Right: -146.724+/-0.253  $\chi^2$ /NDF: 2074.2/3

In: -147.132+/-0.328  $\chi^2$ /NDF:710.8/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -146.724+/-0.253  $\chi^2$ /NDF: 2074.2/3

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 56.439+/-1.013  $\chi^2$ /NDF: 63.2/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 50.863+/-0.760  $\chi^2$ /NDF: 208.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

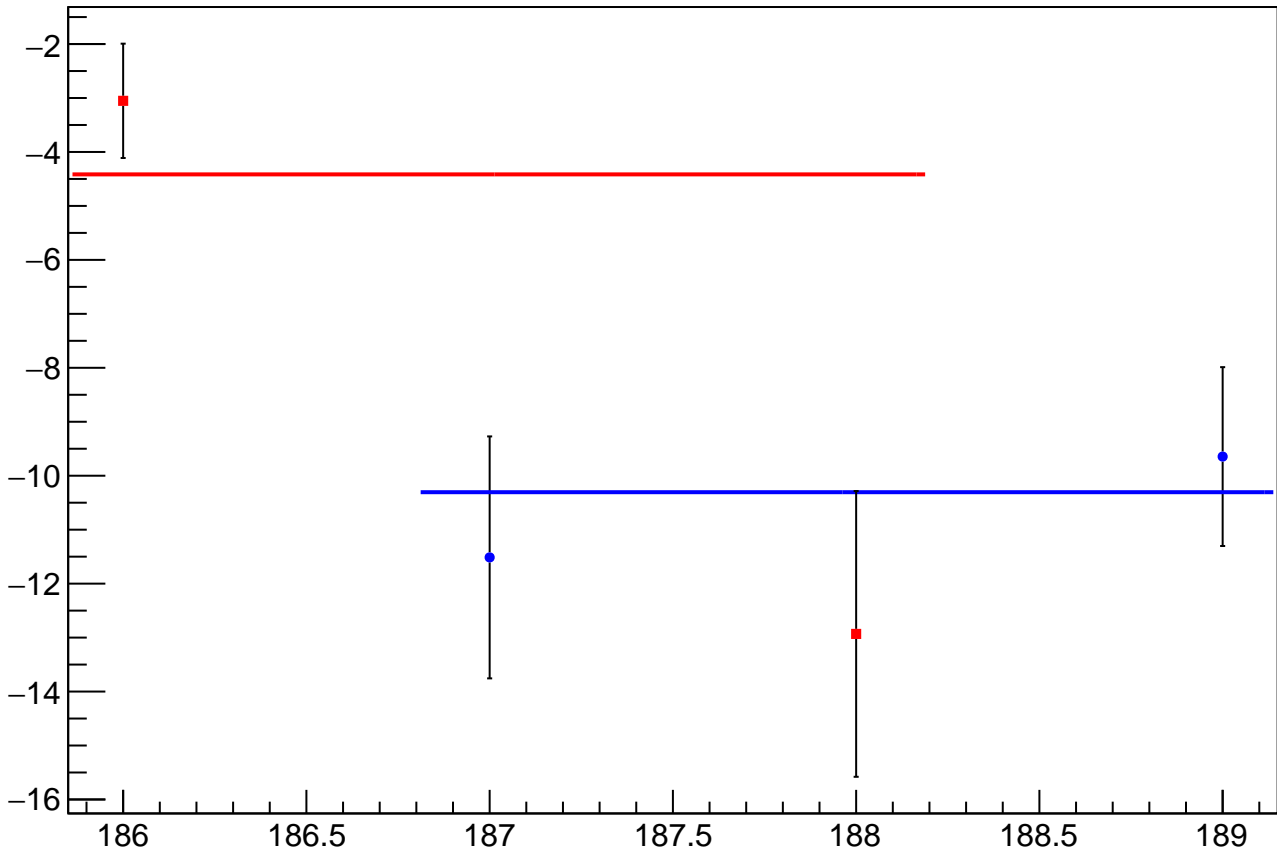
Right: 52.871+/-0.608  $\chi^2$ /NDF: 290.6/3

In: 56.439+/-1.013  $\chi^2$ /NDF:63.2/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 52.871+/-0.608  $\chi^2$ /NDF: 290.6/3

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-10.305 \pm 1.333$   $\chi^2/\text{NDF}: 0.4/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-4.416 \pm 0.984$   $\chi^2/\text{NDF}: 12.0/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

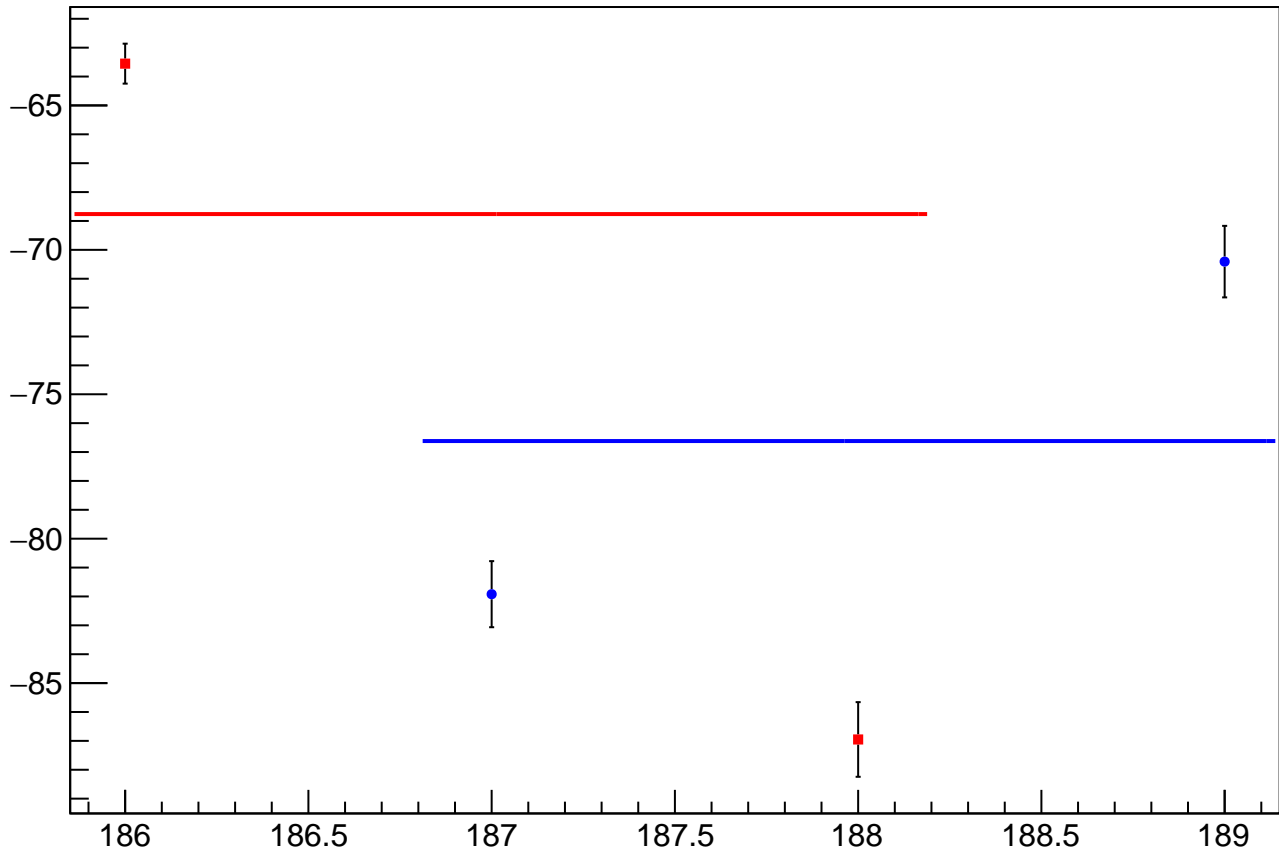
Right:  $-6.492 \pm 0.791$   $\chi^2/\text{NDF}: 25.1/3$

In:  $-10.305 \pm 1.333$   $\chi^2/\text{NDF}: 0.4/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-6.492 \pm 0.791$   $\chi^2/\text{NDF}: 25.1/3$

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -76.620+/-0.840  $\chi^2$ /NDF: 46.6/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -68.761+/-0.610  $\chi^2$ /NDF: 254.8/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

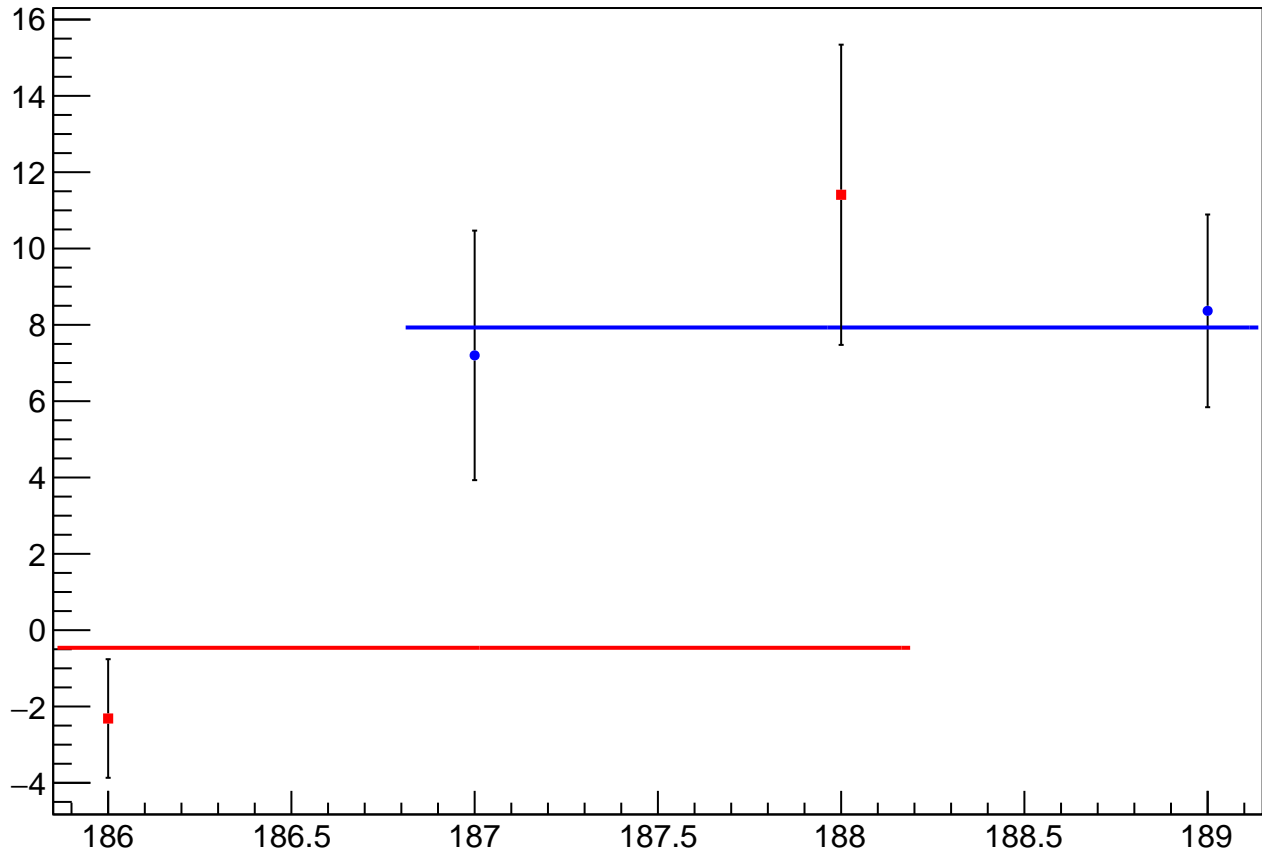
Right: -71.472+/-0.494  $\chi^2$ /NDF: 358.7/3

In: -76.620+/-0.840  $\chi^2$ /NDF:46.6/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -71.472+/-0.494  $\chi^2$ /NDF: 358.7/3

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 7.931+/-1.998  $\chi^2/\text{NDF}$ : 0.1/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.462+/-1.445  $\chi^2/\text{NDF}$ : 10.5/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

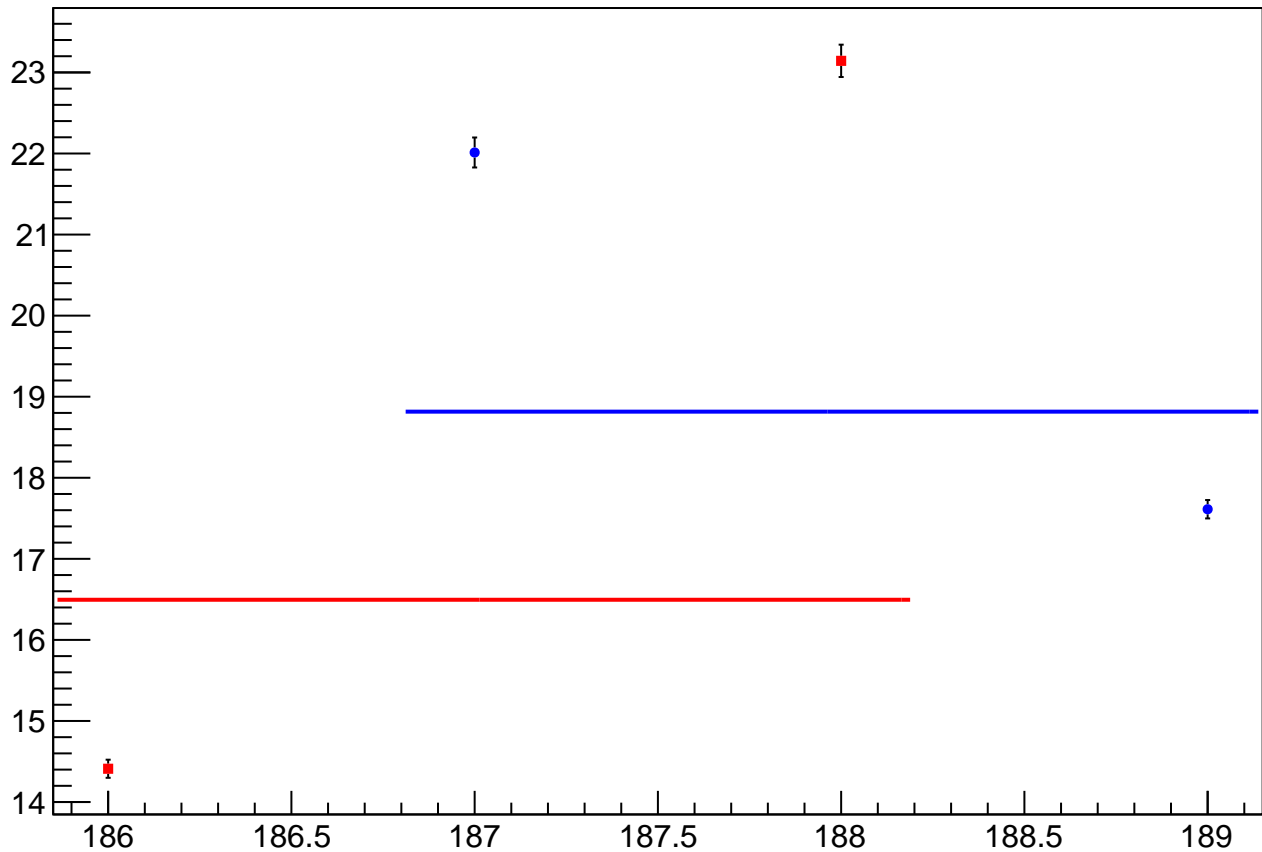
Right: 2.420+/-1.171  $\chi^2/\text{NDF}$ : 22.2/3

In: 7.931+/-1.998  $\chi^2/\text{NDF}$ : 0.1/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.420+/-1.171  $\chi^2/\text{NDF}$ : 22.2/3

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 18.816+/-0.097  $\chi^2$ /NDF: 411.3/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 16.495+/-0.097  $\chi^2$ /NDF: 1459.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

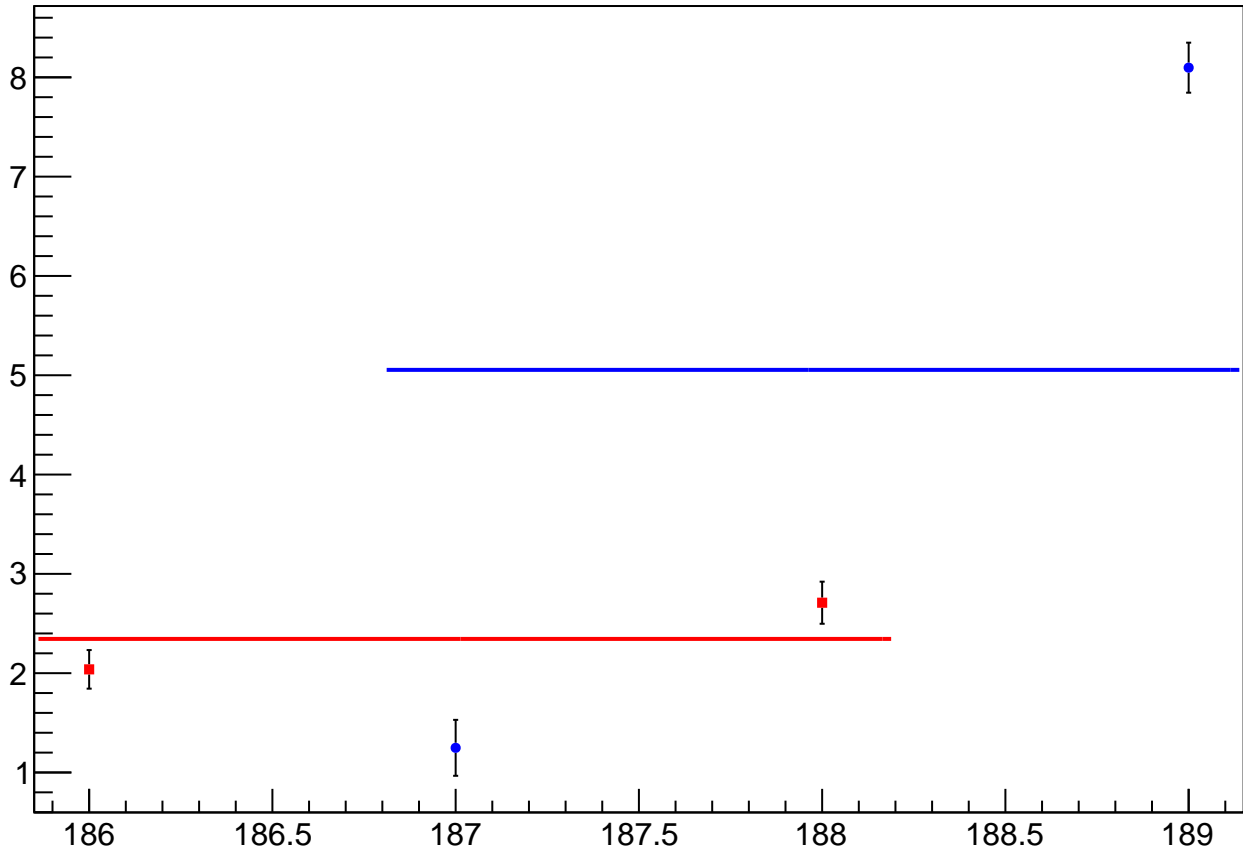
Right: 17.664+/-0.069  $\chi^2$ /NDF: 2156.0/3

In: 18.816+/-0.097  $\chi^2$ /NDF:411.3/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 17.664+/-0.069  $\chi^2$ /NDF: 2156.0/3

# reg\_asym\_bcm\_an\_ds3\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 5.054+/-0.188  $\chi^2/\text{NDF}$ : 328.6/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.345+/-0.143  $\chi^2/\text{NDF}$ : 5.4/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 3.342+/-0.114  $\chi^2/\text{NDF}$ : 465.7/3

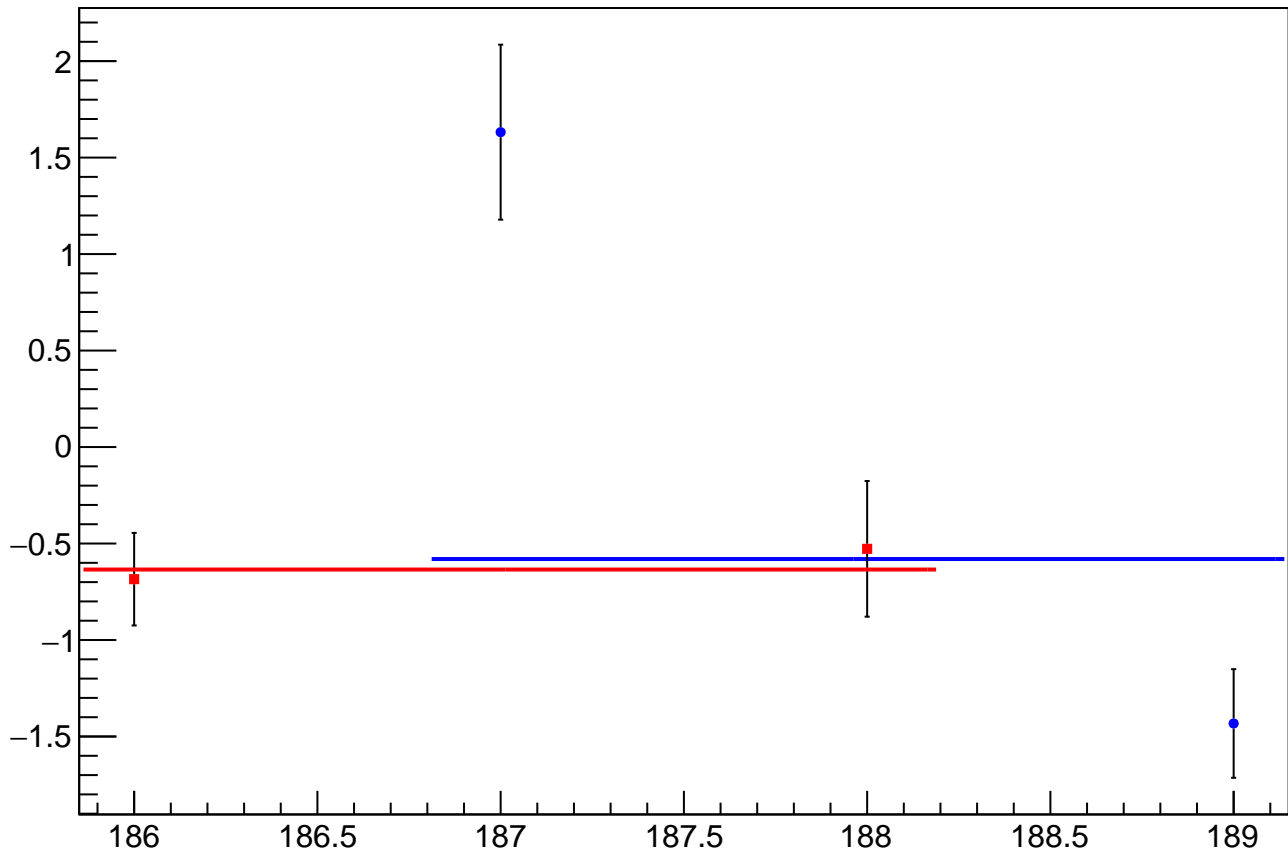
In: 5.054+/-0.188  $\chi^2/\text{NDF}$ : 328.6/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.342+/-0.114  $\chi^2/\text{NDF}$ : 465.7/3



reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.580+/-0.239  $\chi^2$ /NDF: 33.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.635+/-0.198  $\chi^2$ /NDF: 0.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

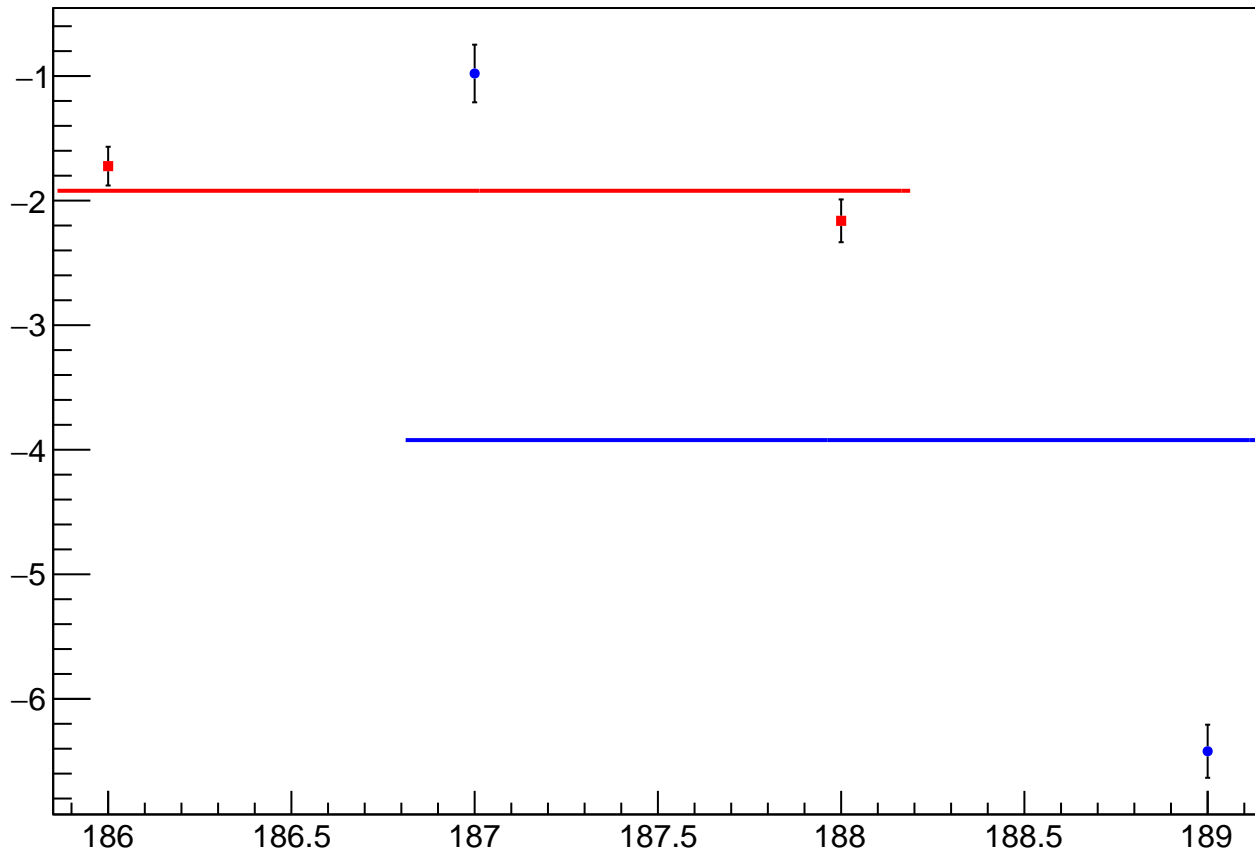
Right: -0.613+/-0.153  $\chi^2$ /NDF: 33.1/3

In: -0.580+/-0.239  $\chi^2$ /NDF:33.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -0.613+/-0.153  $\chi^2$ /NDF: 33.1/3

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -3.923±/0.157  $\chi^2$ /NDF: 299.1/1

Left Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.921±/0.115  $\chi^2$ /NDF: 3.6/1

Left In: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/0.000  $\chi^2$ /NDF: 0.0/0

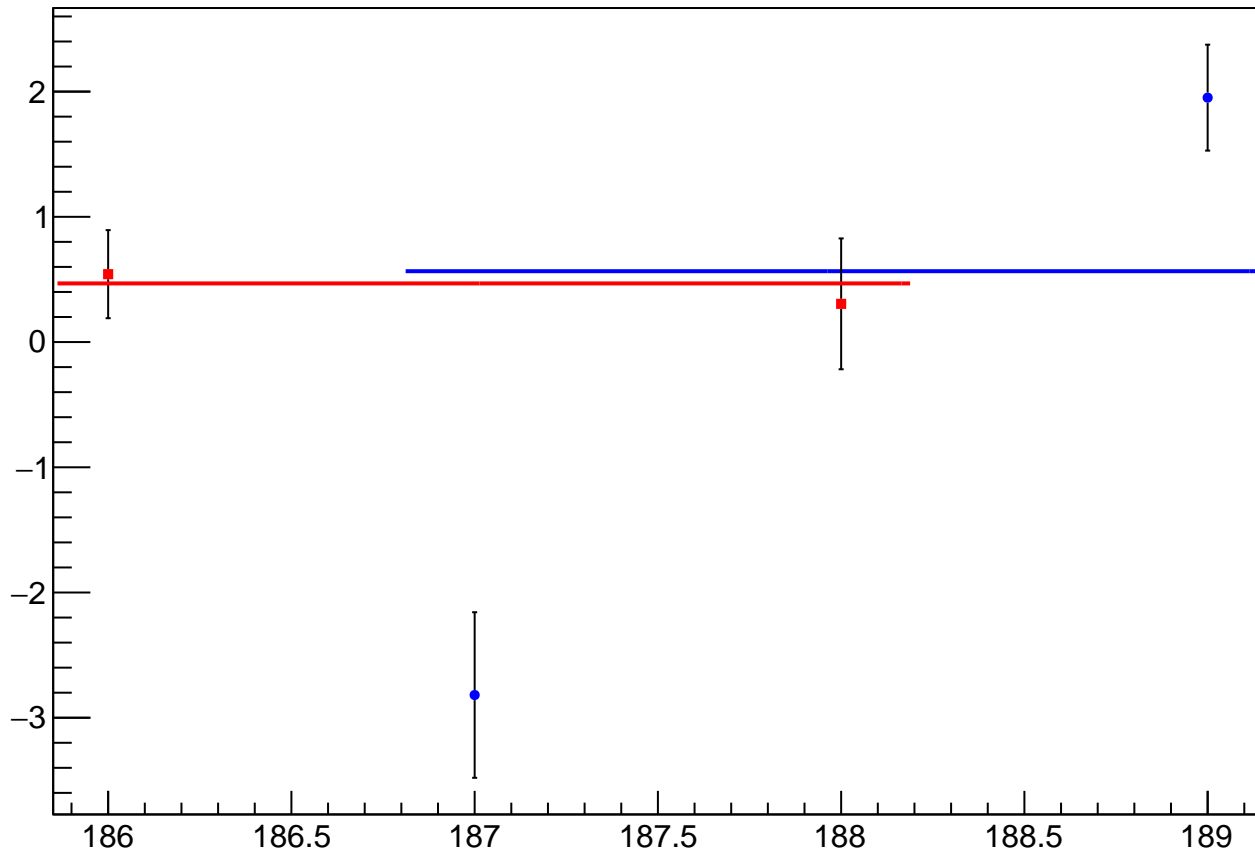
Right: -2.624±/0.093  $\chi^2$ /NDF: 408.4/3

In: -3.923±/0.157  $\chi^2$ /NDF:299.1/1

Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

All: -2.624±/0.093  $\chi^2$ /NDF: 408.4/3

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.566 $\pm$ 0.356  $\chi^2$ /NDF: 36.9/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.468 $\pm$ 0.292  $\chi^2$ /NDF: 0.1/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

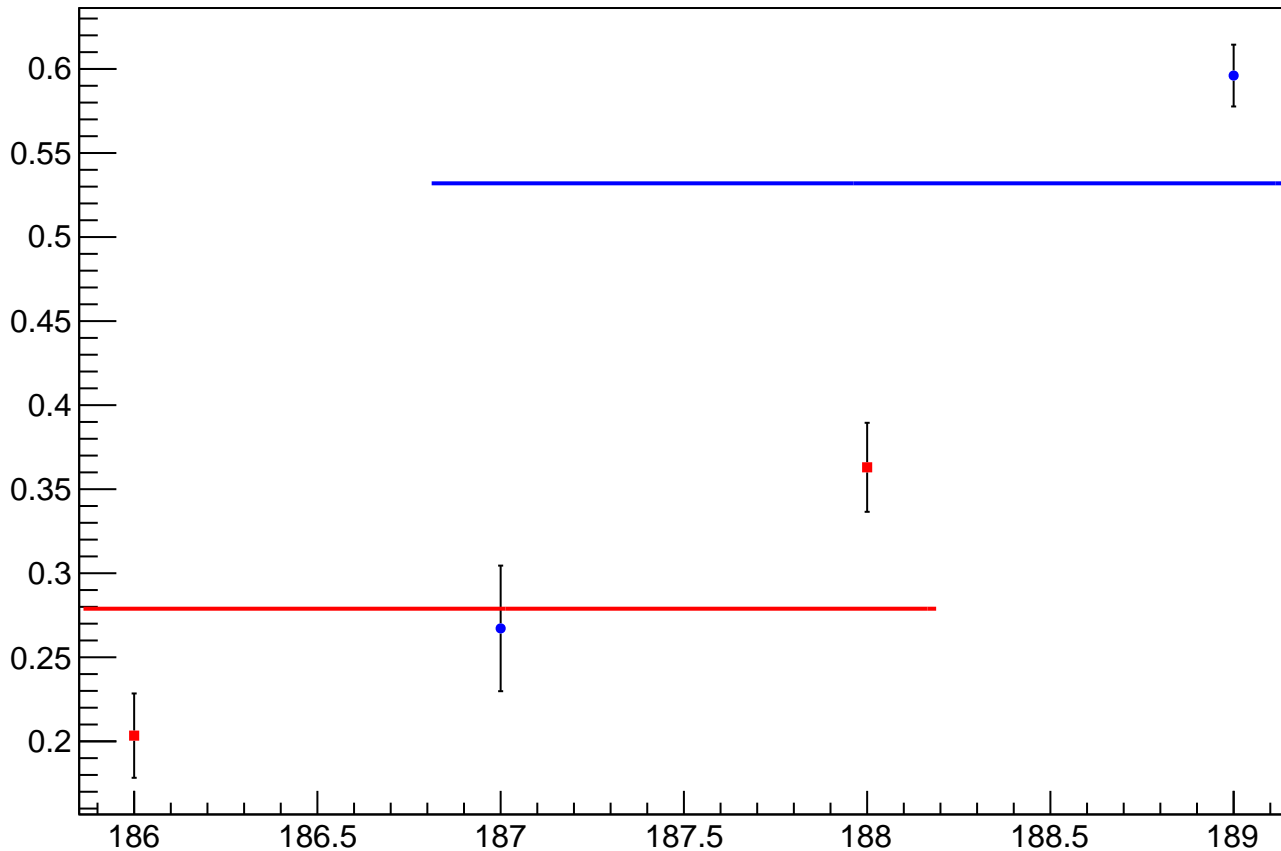
Right: 0.507 $\pm$ 0.226  $\chi^2$ /NDF: 37.1/3

In: 0.566 $\pm$ 0.356  $\chi^2$ /NDF:36.9/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.507 $\pm$ 0.226  $\chi^2$ /NDF: 37.1/3

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.532 $\pm$ 0.016  $\chi^2$ /NDF: 62.4/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.279 $\pm$ 0.018  $\chi^2$ /NDF: 19.2/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

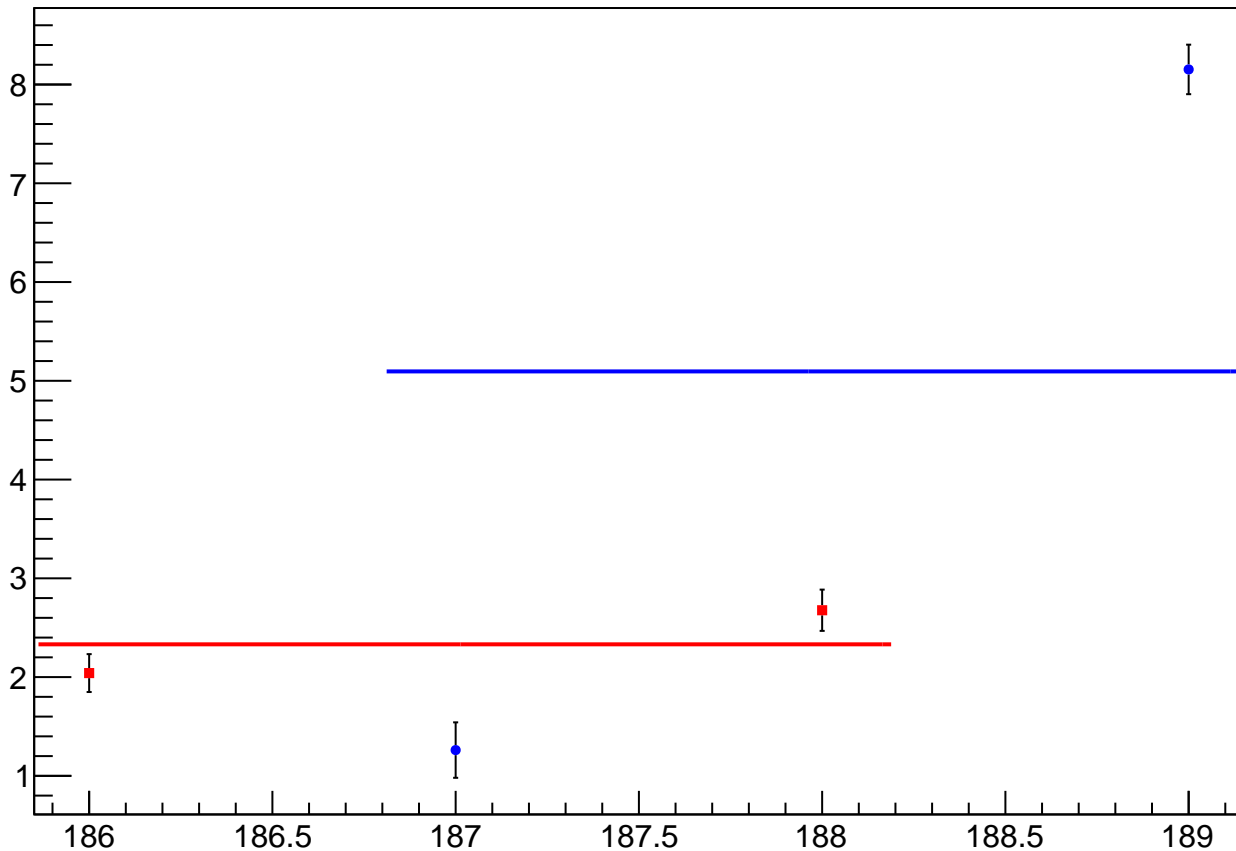
Right: 0.418 $\pm$ 0.012  $\chi^2$ /NDF: 187.6/3

In: 0.532 $\pm$ 0.016  $\chi^2$ /NDF:62.4/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.418 $\pm$ 0.012  $\chi^2$ /NDF: 187.6/3

# reg\_asym\_bcm\_an\_ds\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 5.095+/-0.187  $\chi^2/\text{NDF}$ : 335.3/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.332+/-0.141  $\chi^2/\text{NDF}$ : 5.0/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

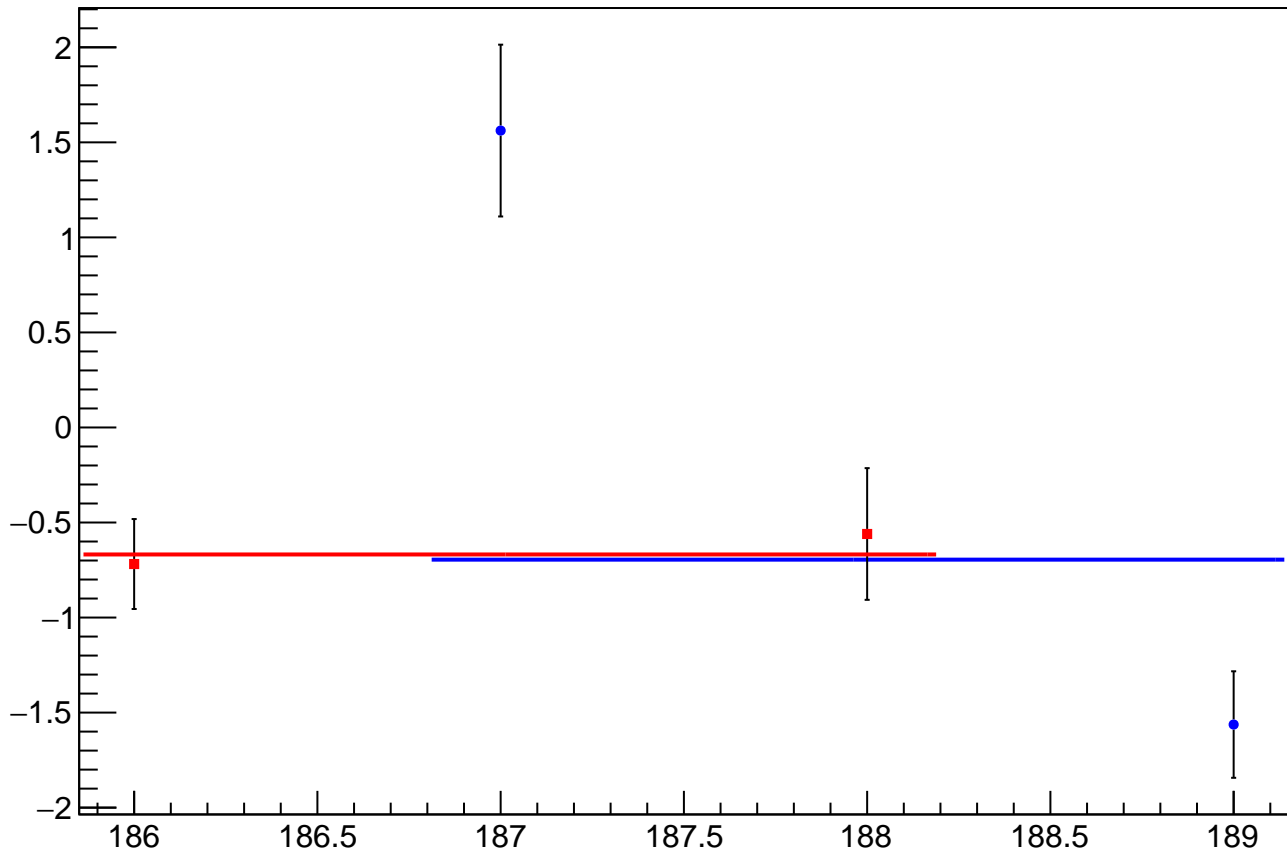
Right: 3.336+/-0.113  $\chi^2/\text{NDF}$ : 479.4/3

In: 5.095+/-0.187  $\chi^2/\text{NDF}$ : 335.3/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.336+/-0.113  $\chi^2/\text{NDF}$ : 479.4/3

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.695+/-0.238  $\chi^2$ /NDF: 34.5/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.668+/-0.195  $\chi^2$ /NDF: 0.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

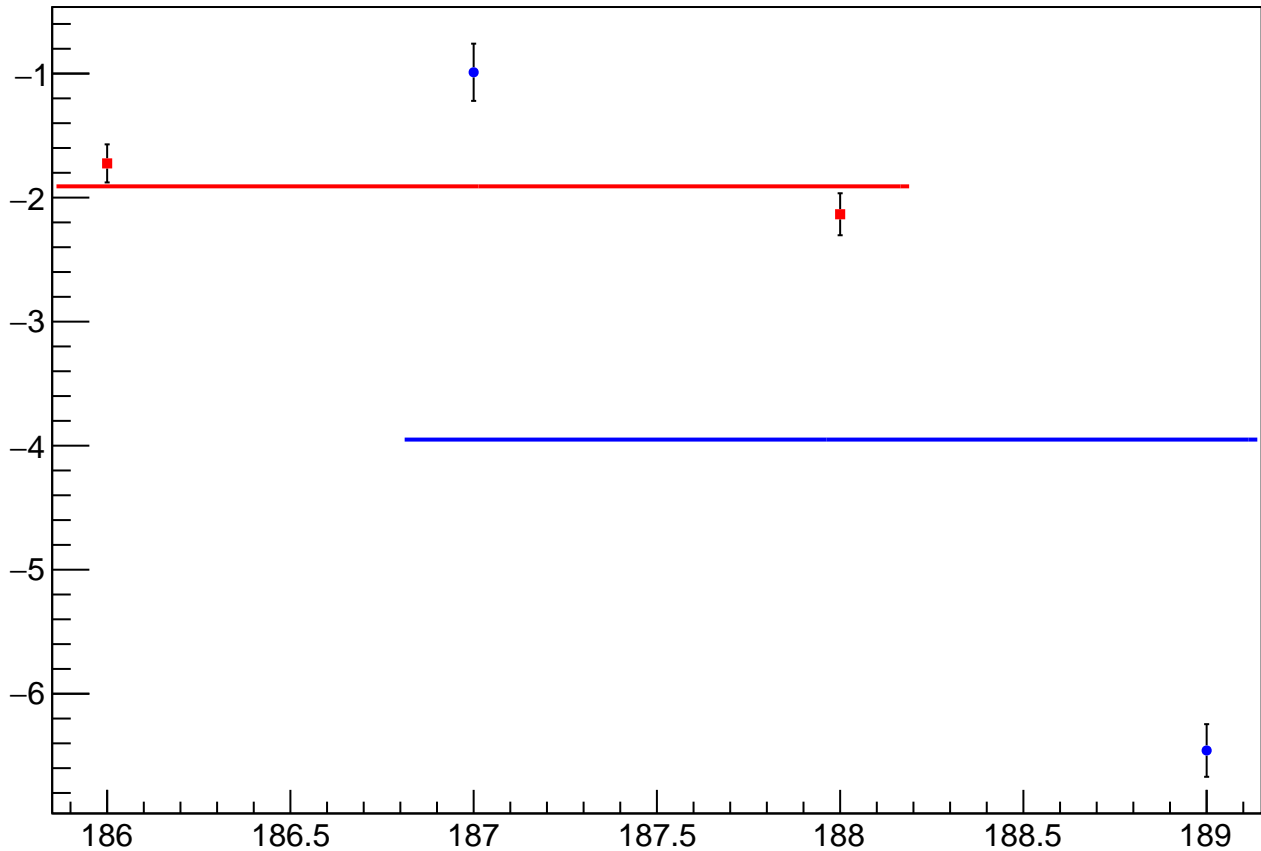
Right: -0.679+/-0.151  $\chi^2$ /NDF: 34.7/3

In: -0.695+/-0.238  $\chi^2$ /NDF:34.5/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -0.679+/-0.151  $\chi^2$ /NDF: 34.7/3

# reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-3.951 \pm 0.156$   $\chi^2/\text{NDF}: 304.5/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-1.909 \pm 0.114$   $\chi^2/\text{NDF}: 3.2/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

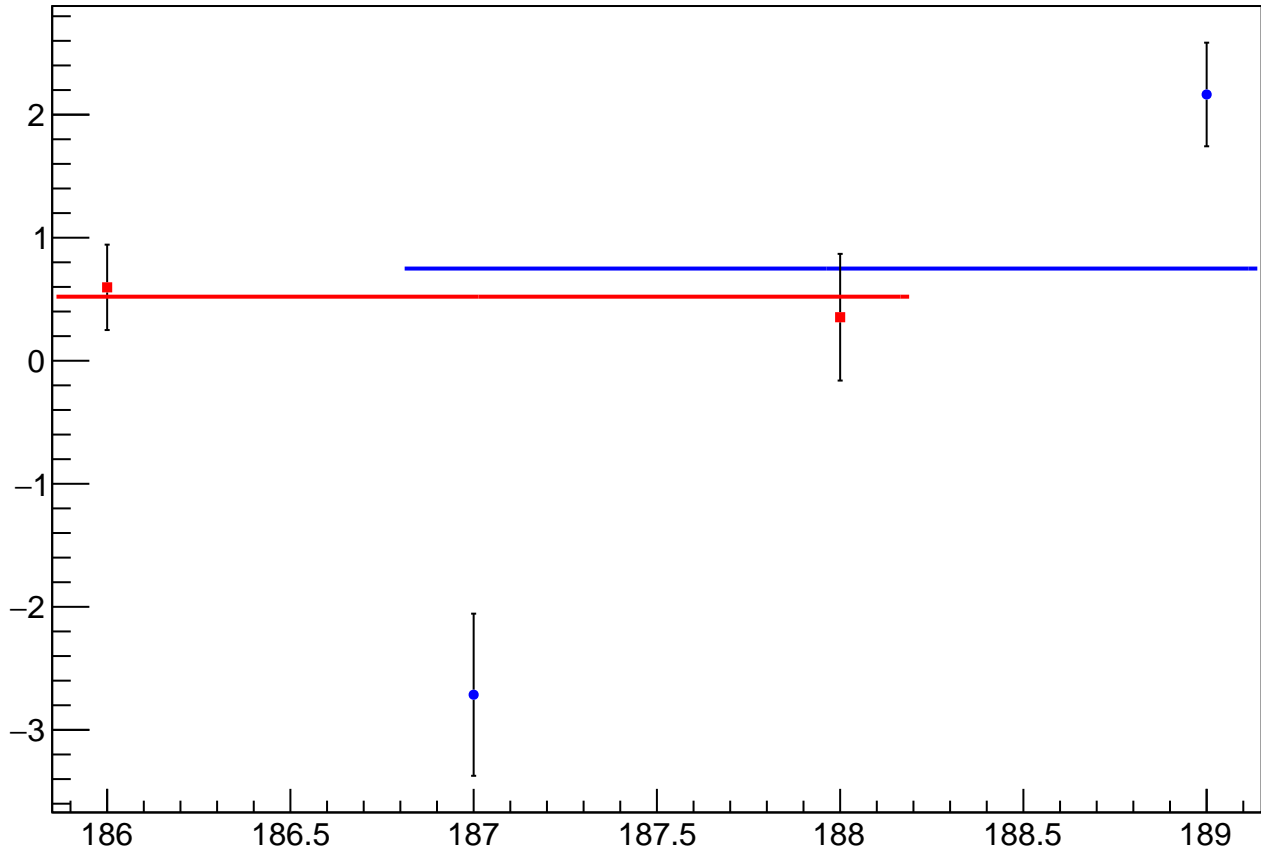
Right:  $-2.617 \pm 0.092$   $\chi^2/\text{NDF}: 419.4/3$

In:  $-3.951 \pm 0.156$   $\chi^2/\text{NDF}: 304.5/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-2.617 \pm 0.092$   $\chi^2/\text{NDF}: 419.4/3$

# reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.749+/-0.355  $\chi^2/\text{NDF}$ : 38.9/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.521+/-0.288  $\chi^2/\text{NDF}$ : 0.2/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.611+/-0.223  $\chi^2/\text{NDF}$ : 39.3/3

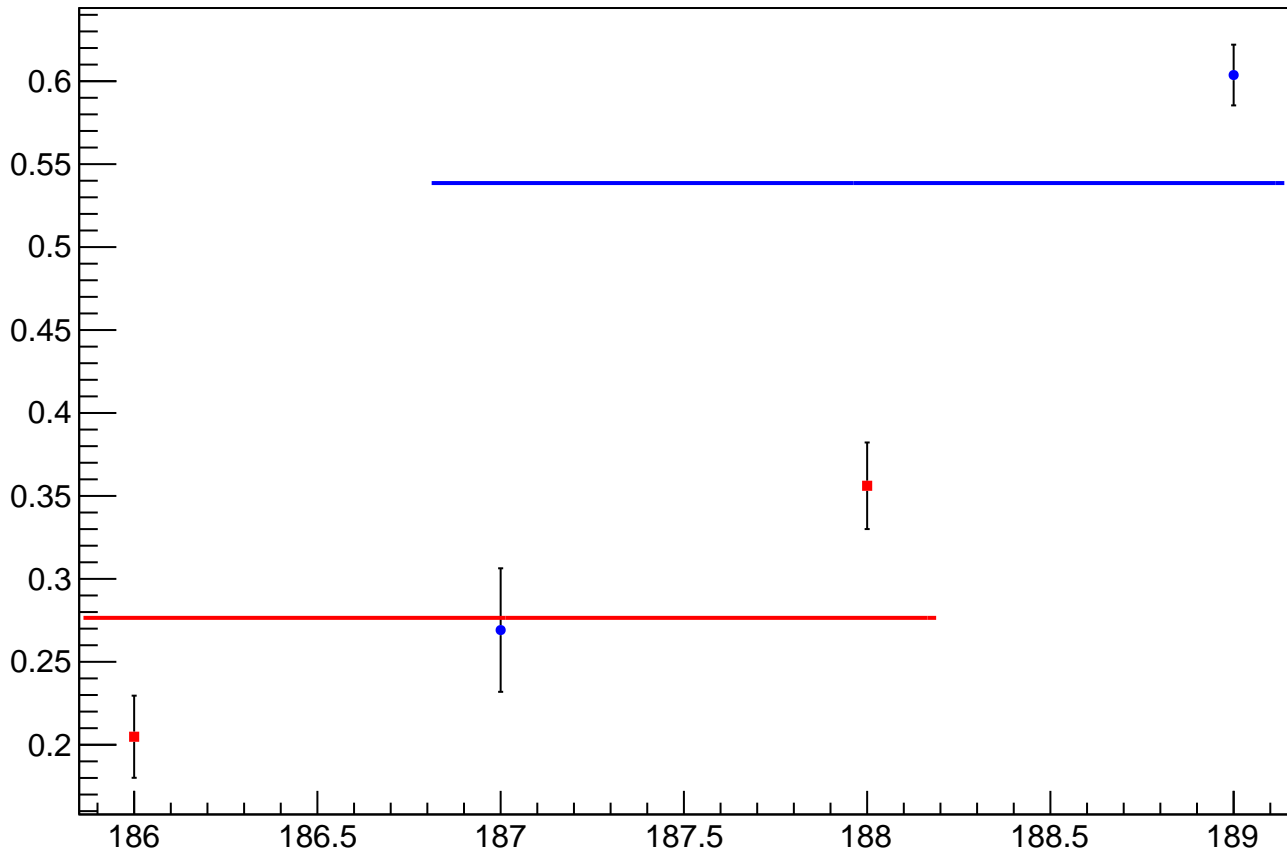
In: 0.749+/-0.355  $\chi^2/\text{NDF}$ :38.9/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.611+/-0.223  $\chi^2/\text{NDF}$ : 39.3/3



reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.539+/-0.016  $\chi^2$ /NDF: 65.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.277+/-0.018  $\chi^2$ /NDF: 17.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

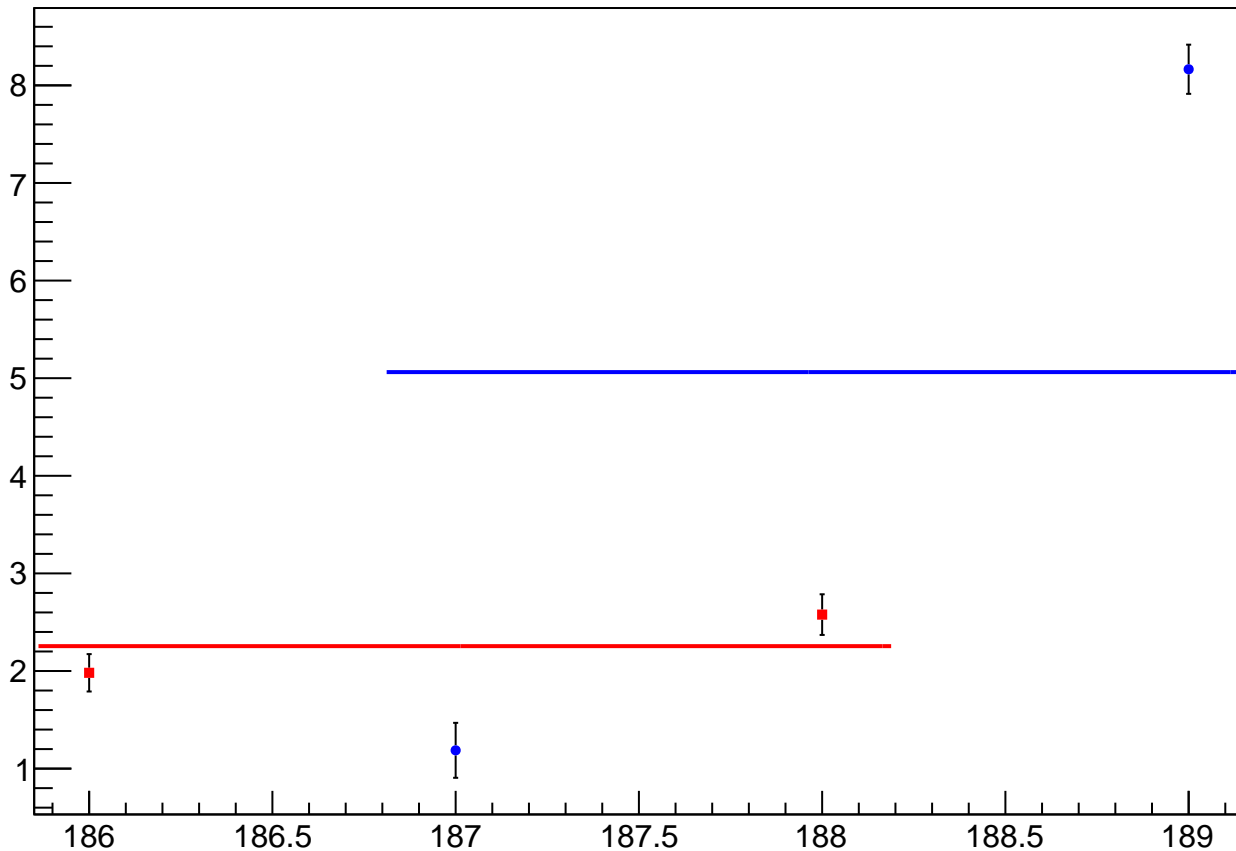
Right: 0.419+/-0.012  $\chi^2$ /NDF: 198.7/3

In: 0.539+/-0.016  $\chi^2$ /NDF:65.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.419+/-0.012  $\chi^2$ /NDF: 198.7/3

reg\_asym\_bcm\_an\_us\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 5.062+/-0.188  $\chi^2/\text{NDF}$ : 341.2/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 2.255+/-0.141  $\chi^2/\text{NDF}$ : 4.4/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

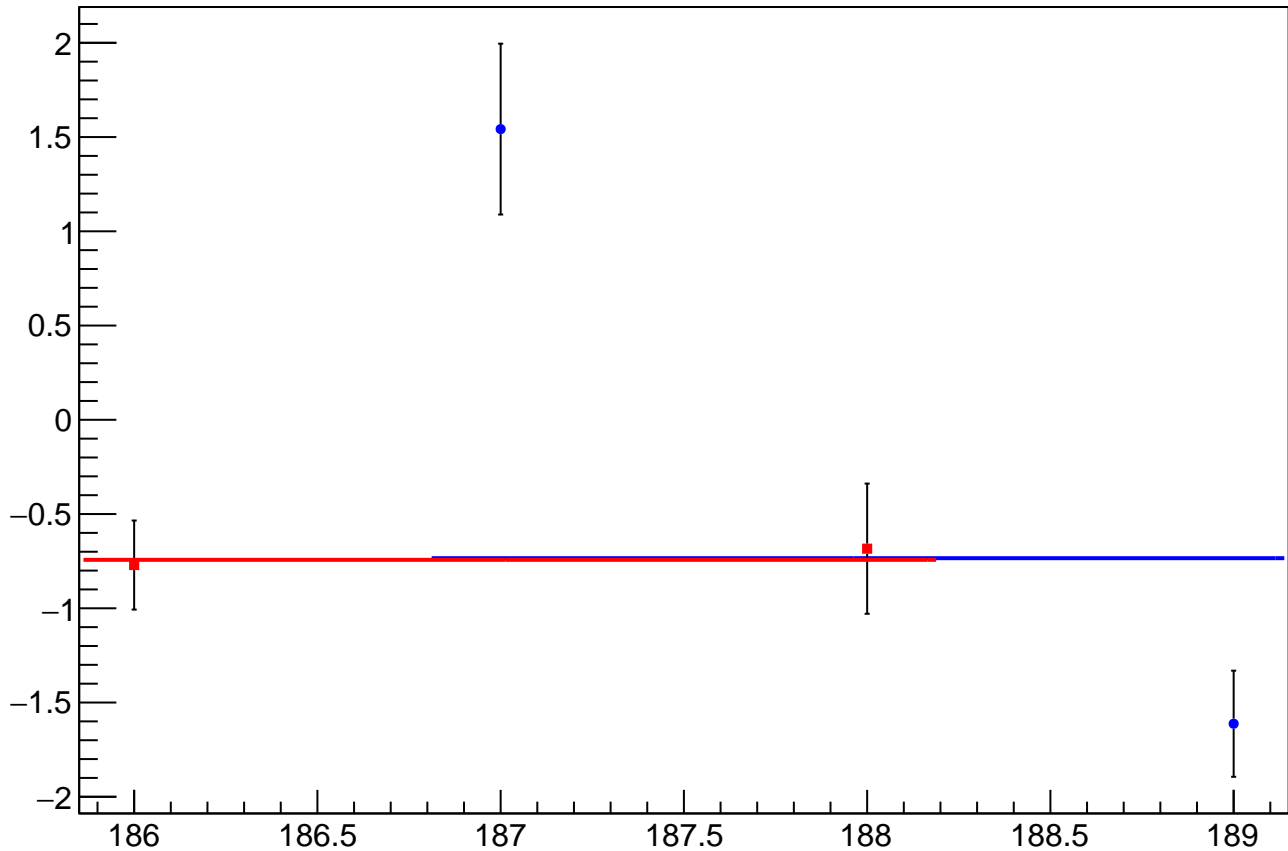
Right: 3.267+/-0.113  $\chi^2/\text{NDF}$ : 488.7/3

In: 5.062+/-0.188  $\chi^2/\text{NDF}$ :341.2/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 3.267+/-0.113  $\chi^2/\text{NDF}$ : 488.7/3

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.734+/-0.239  $\chi^2$ /NDF: 35.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.743+/-0.195  $\chi^2$ /NDF: 0.0/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

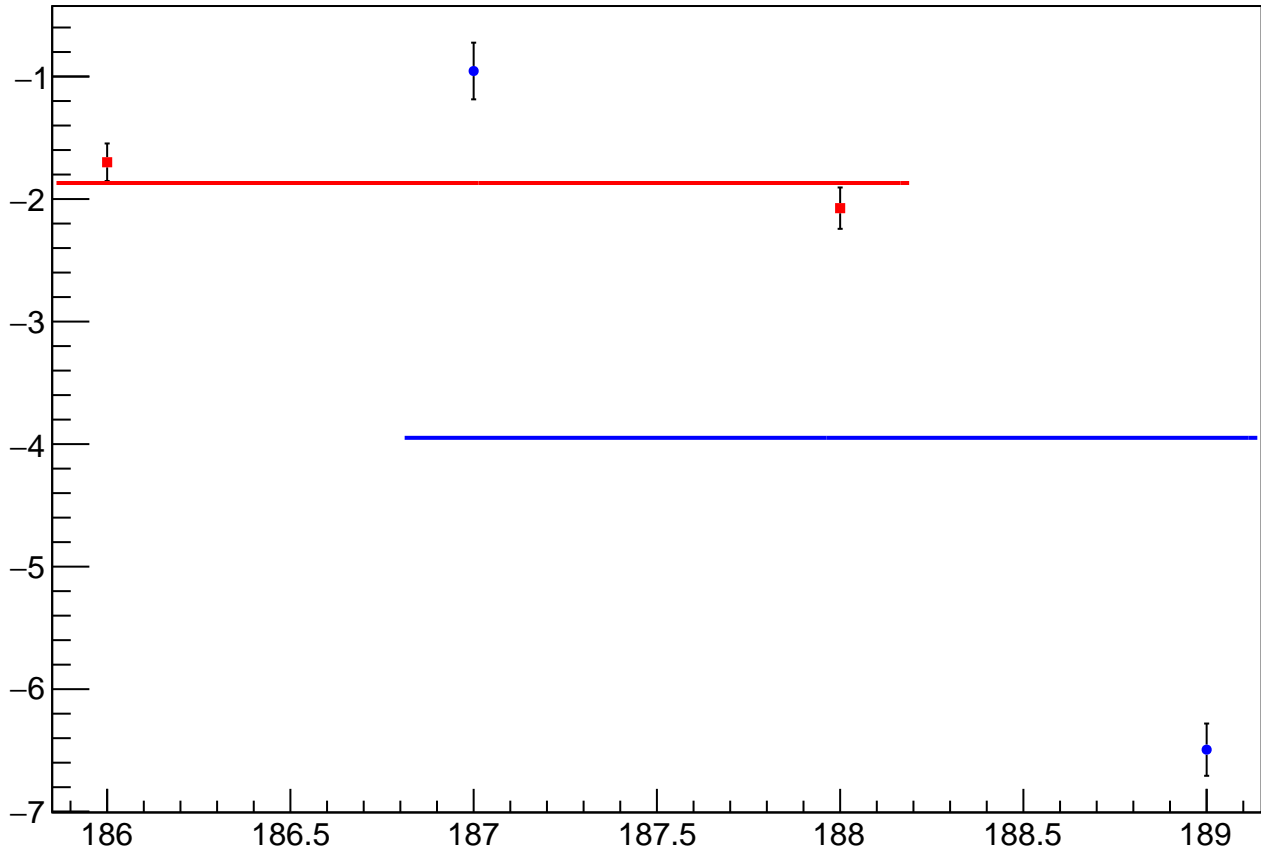
Right: -0.739+/-0.151  $\chi^2$ /NDF: 35.0/3

In: -0.734+/-0.239  $\chi^2$ /NDF:35.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -0.739+/-0.151  $\chi^2$ /NDF: 35.0/3

# reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -3.949+/-0.157  $\chi^2$ /NDF: 310.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.869+/-0.113  $\chi^2$ /NDF: 2.7/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

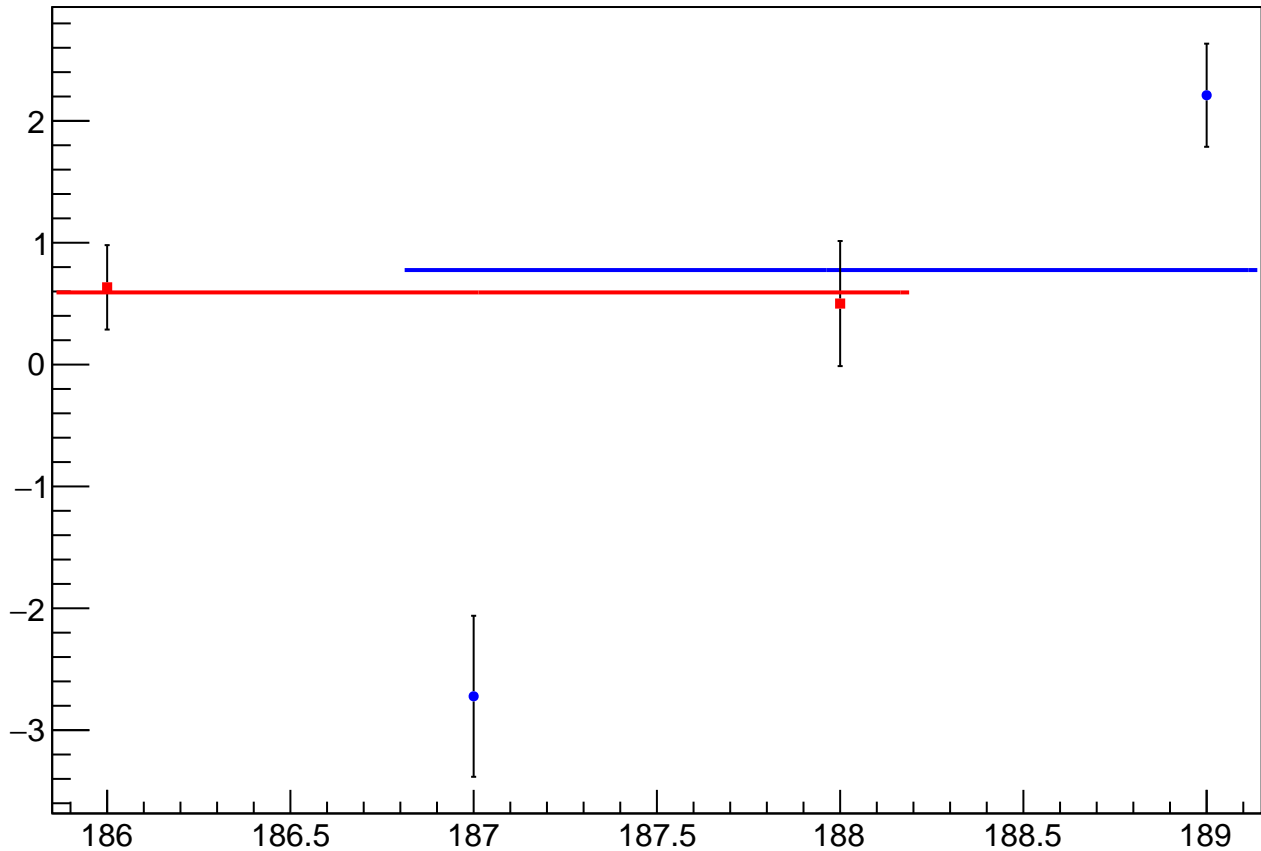
Right: -2.584+/-0.092  $\chi^2$ /NDF: 428.2/3

In: -3.949+/-0.157  $\chi^2$ /NDF:310.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.584+/-0.092  $\chi^2$ /NDF: 428.2/3

# reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.776 $\pm$ 0.356  $\chi^2$ /NDF: 39.5/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.592 $\pm$ 0.287  $\chi^2$ /NDF: 0.0/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

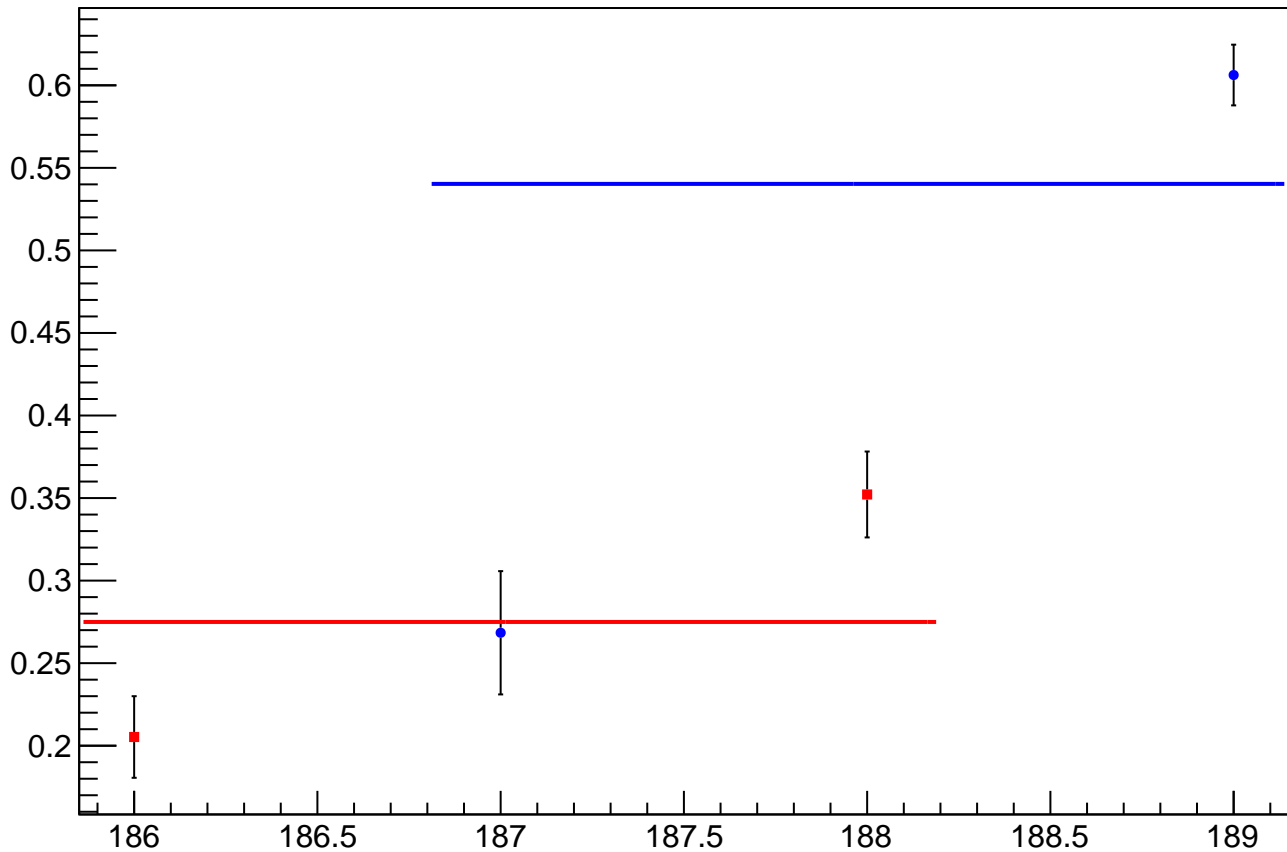
Right: 0.665 $\pm$ 0.224  $\chi^2$ /NDF: 39.7/3

In: 0.776 $\pm$ 0.356  $\chi^2$ /NDF:39.5/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.665 $\pm$ 0.224  $\chi^2$ /NDF: 39.7/3

reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.540 $\pm$ 0.016  $\chi^2$ /NDF: 65.9/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.275 $\pm$ 0.018  $\chi^2$ /NDF: 16.8/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

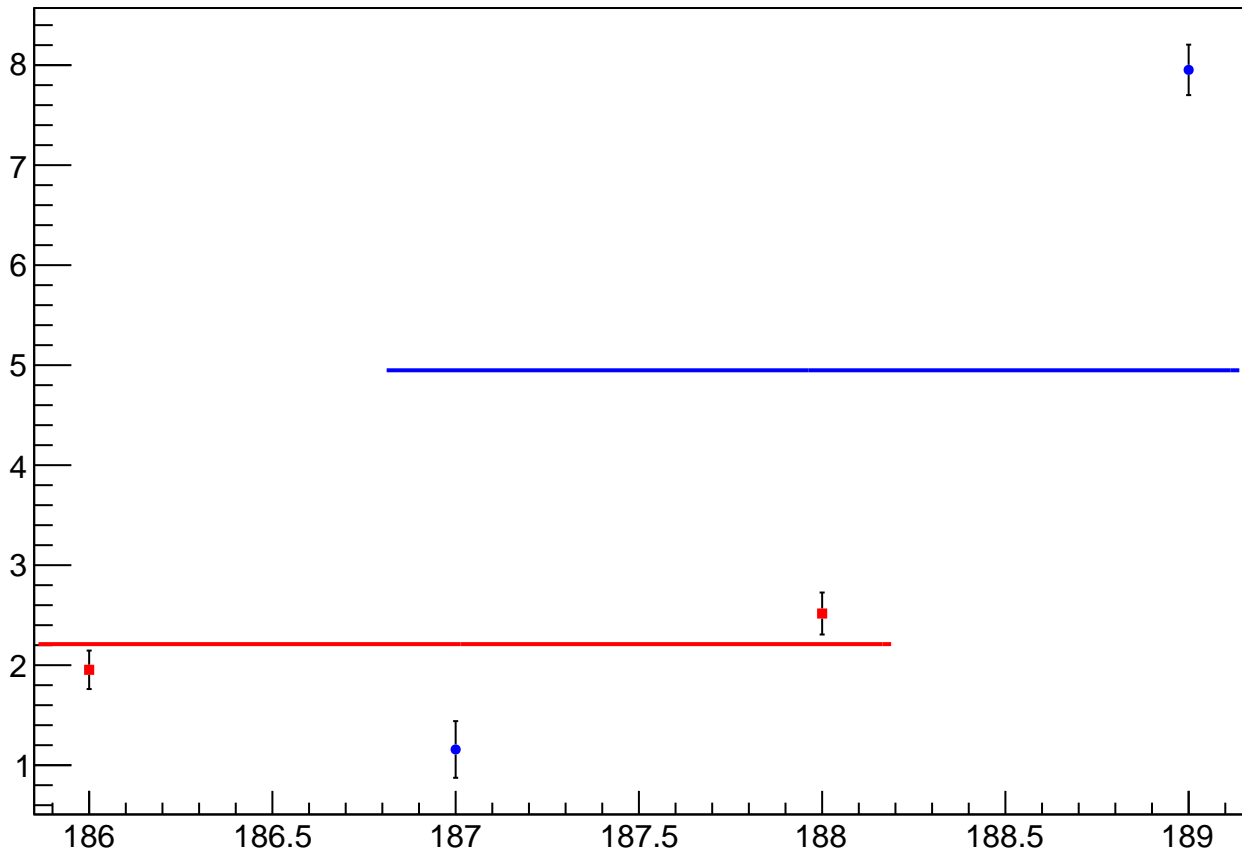
Right: 0.419 $\pm$ 0.012  $\chi^2$ /NDF: 201.3/3

In: 0.540 $\pm$ 0.016  $\chi^2$ /NDF:65.9/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.419 $\pm$ 0.012  $\chi^2$ /NDF: 201.3/3

reg\_asym\_bcm\_dg\_ds\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 4.949+/-0.188  $\chi^2/\text{NDF}$ : 320.9/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 2.211+/-0.142  $\chi^2/\text{NDF}$ : 3.9/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

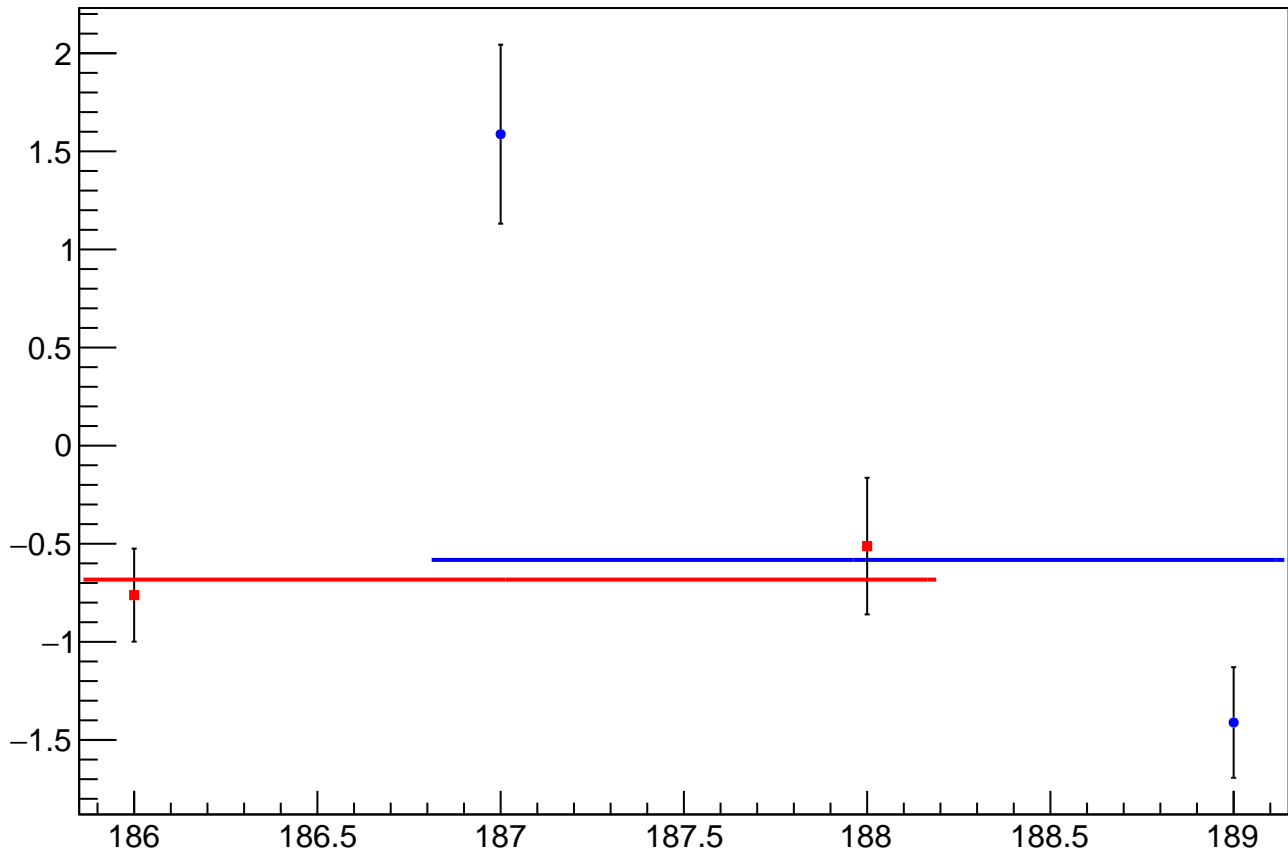
Right: 3.201+/-0.113  $\chi^2/\text{NDF}$ : 459.7/3

In: 4.949+/-0.188  $\chi^2/\text{NDF}$ :320.9/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 3.201+/-0.113  $\chi^2/\text{NDF}$ : 459.7/3

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.582 \pm 0.240$   $\chi^2/\text{NDF}: 31.3/1$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.683 \pm 0.196$   $\chi^2/\text{NDF}: 0.4/1$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right:  $-0.643 \pm 0.152$   $\chi^2/\text{NDF}: 31.7/3$

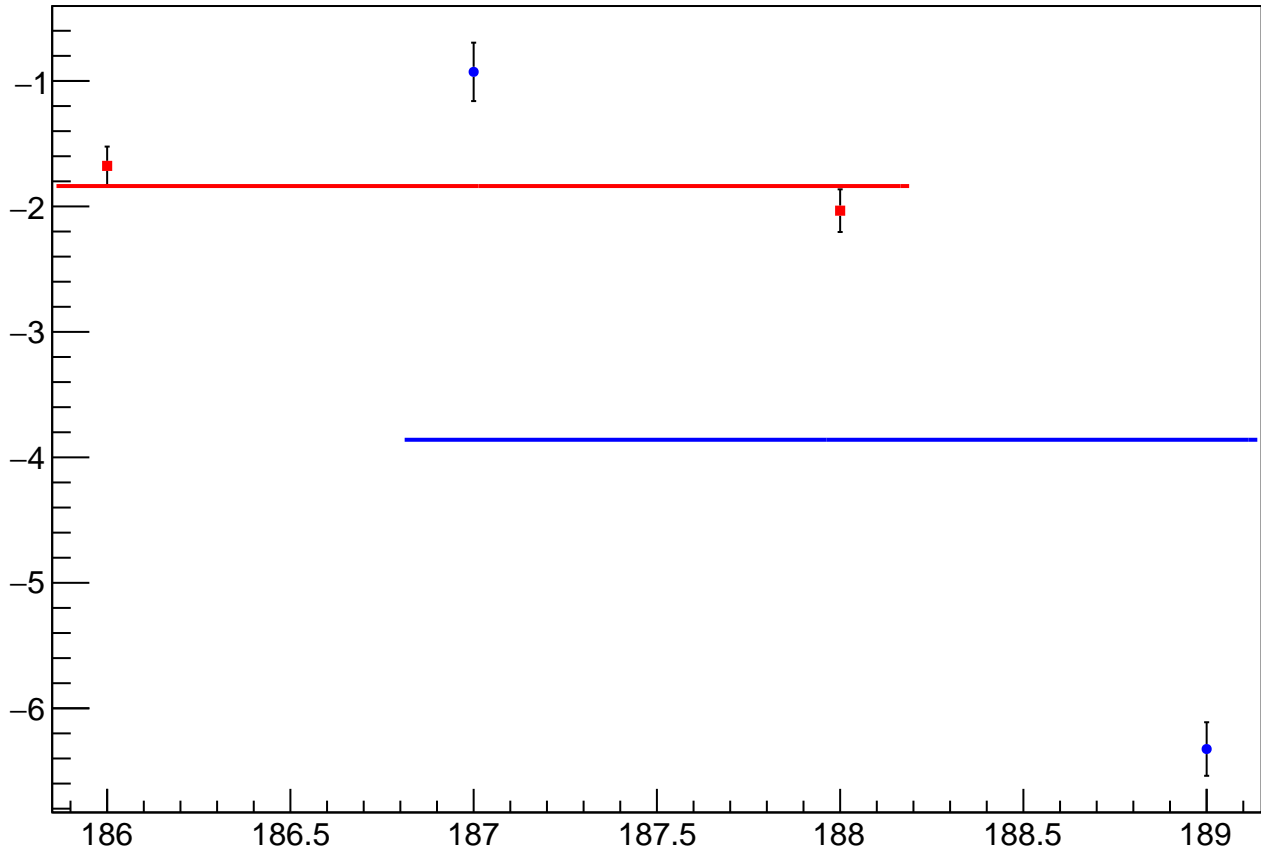
In:  $-0.582 \pm 0.240$   $\chi^2/\text{NDF}: 31.3/1$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.643 \pm 0.152$   $\chi^2/\text{NDF}: 31.7/3$



reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -3.860+/-0.157  $\chi^2$ /NDF: 292.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.838+/-0.114  $\chi^2$ /NDF: 2.4/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

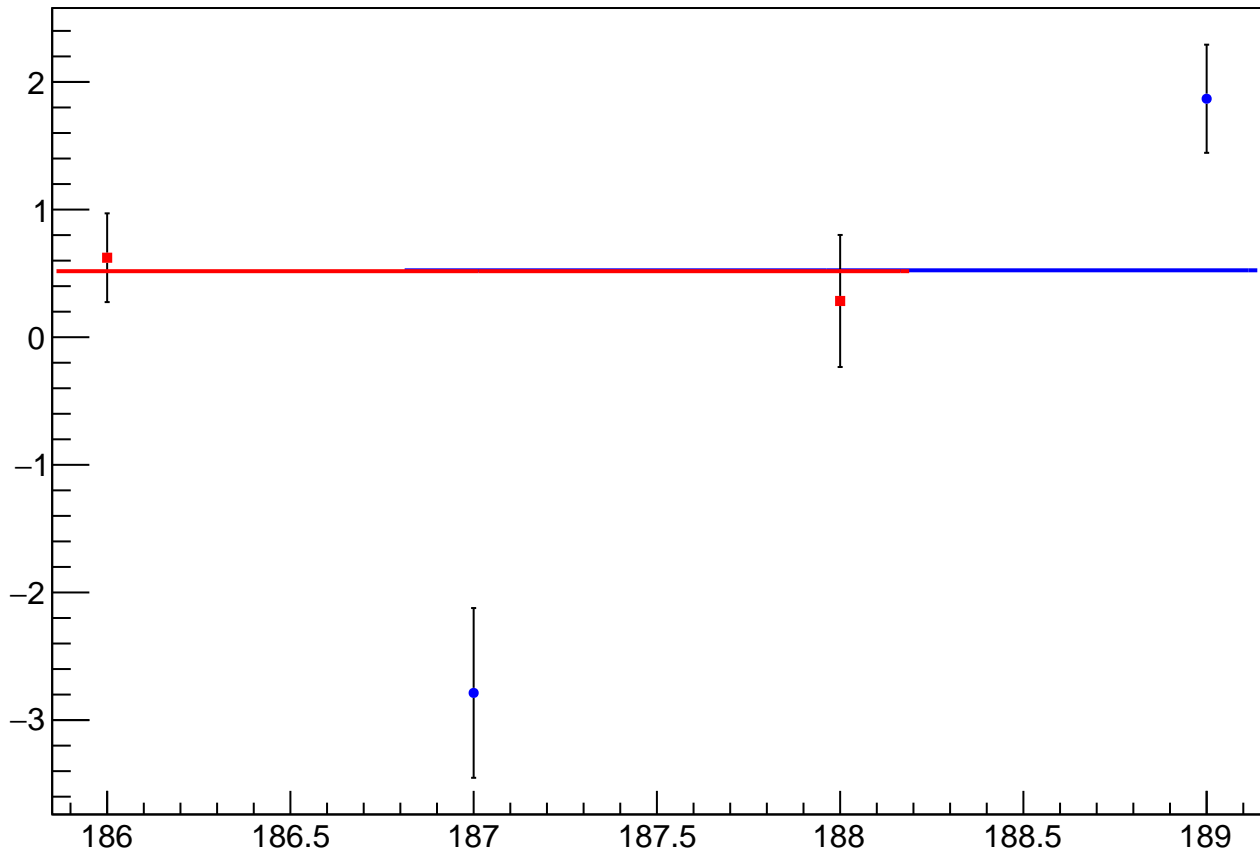
Right: -2.535+/-0.092  $\chi^2$ /NDF: 402.8/3

In: -3.860+/-0.157  $\chi^2$ /NDF:292.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.535+/-0.092  $\chi^2$ /NDF: 402.8/3

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.524+/-0.357  $\chi^2/\text{NDF}$ : 34.9/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.517+/-0.289  $\chi^2/\text{NDF}$ : 0.3/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

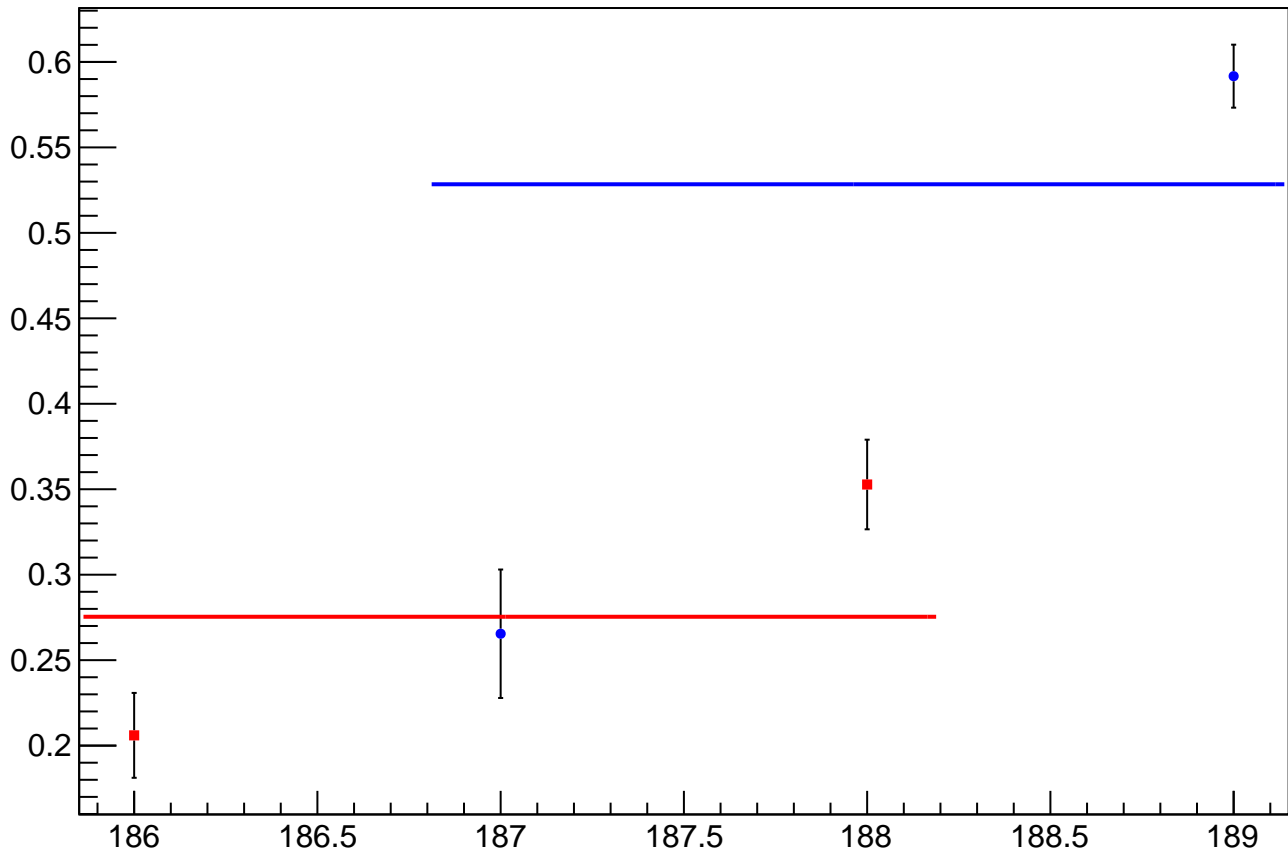
Right: 0.520+/-0.225  $\chi^2/\text{NDF}$ : 35.2/3

In: 0.524+/-0.357  $\chi^2/\text{NDF}$ : 34.9/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.520+/-0.225  $\chi^2/\text{NDF}$ : 35.2/3

reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.528 $\pm$ 0.017  $\chi^2$ /NDF: 60.7/1

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.275 $\pm$ 0.018  $\chi^2$ /NDF: 16.5/1

Left In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

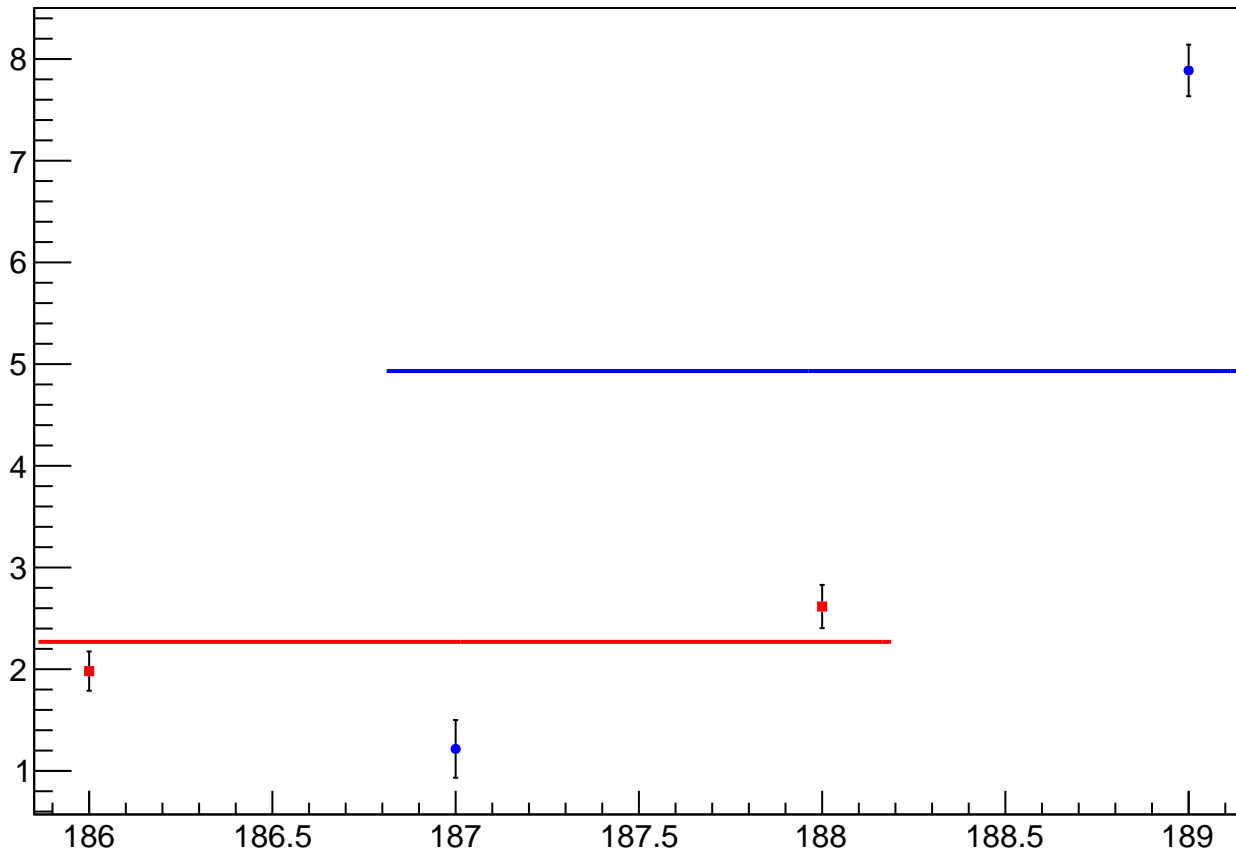
Right: 0.413 $\pm$ 0.012  $\chi^2$ /NDF: 184.2/3

In: 0.528 $\pm$ 0.017  $\chi^2$ /NDF:60.7/1

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.413 $\pm$ 0.012  $\chi^2$ /NDF: 184.2/3

reg\_asym\_bcm\_dg\_us\_diff\_bpm1X\_slope vs Slug, Sign Corrected



Right In: 4.932+/-0.189  $\chi^2$ /NDF: 307.1/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.269+/-0.143  $\chi^2$ /NDF: 4.9/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

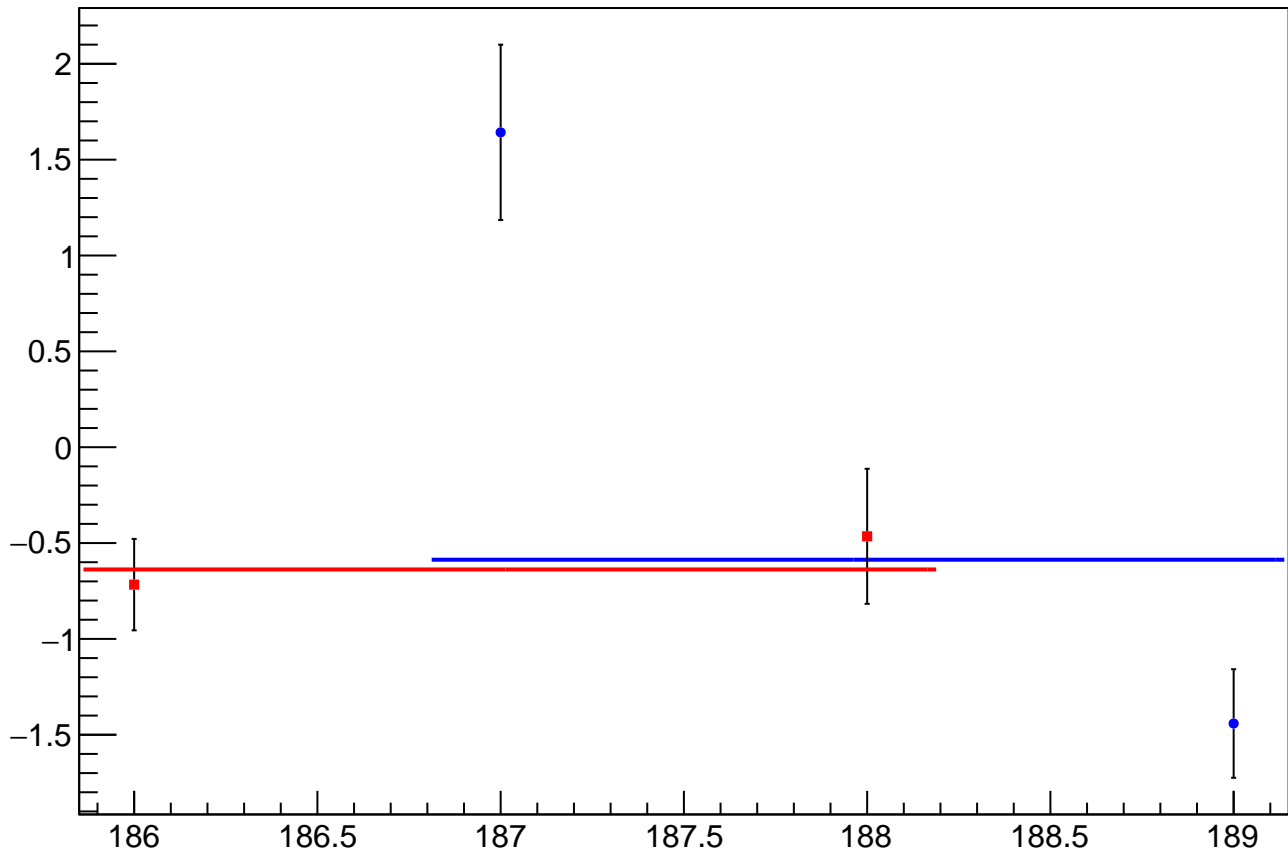
Right: 3.238+/-0.114  $\chi^2$ /NDF: 438.1/3

In: 4.932+/-0.189  $\chi^2$ /NDF:307.1/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 3.238+/-0.114  $\chi^2$ /NDF: 438.1/3

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.587±/0.241  $\chi^2$ /NDF: 32.9/1

Left Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.638±/0.197  $\chi^2$ /NDF: 0.4/1

Left In: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000±/0.000  $\chi^2$ /NDF: 0.0/0

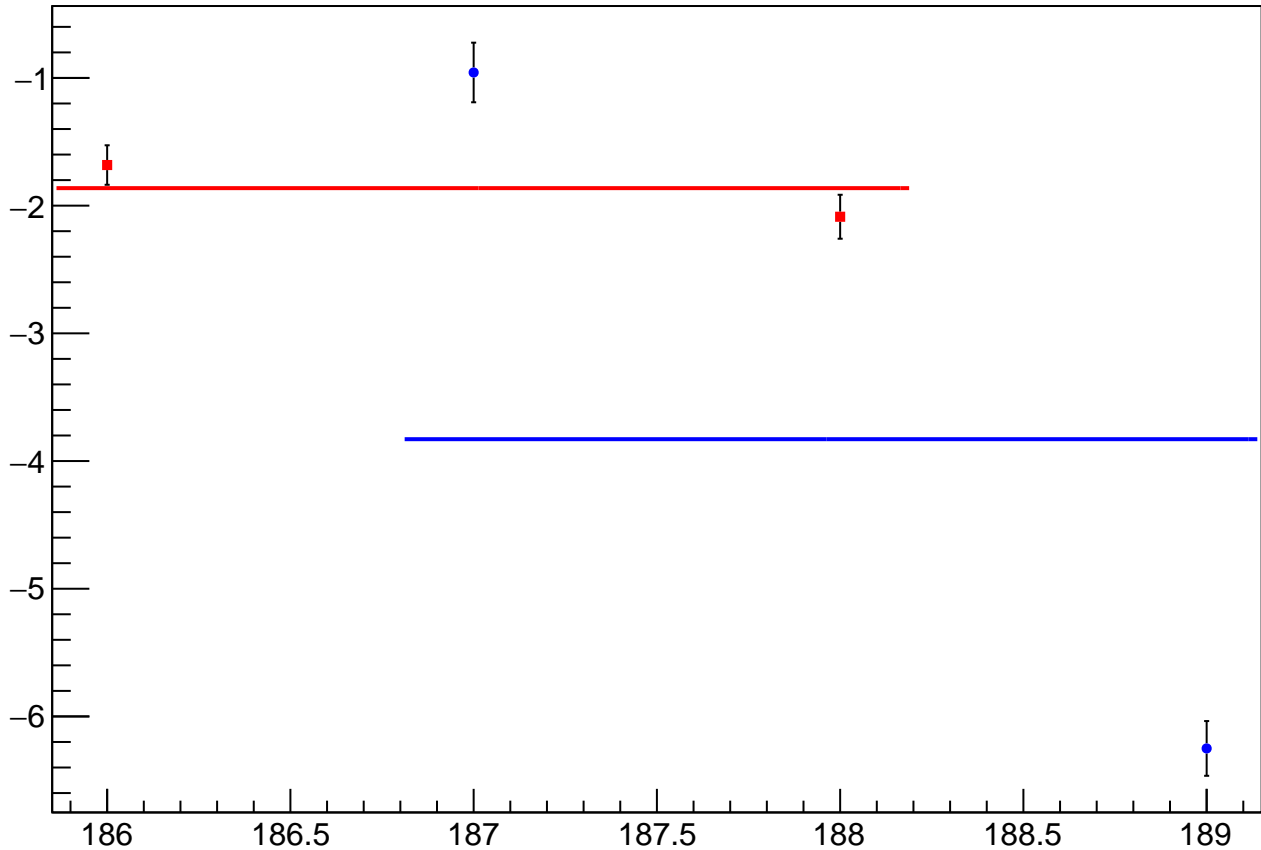
Right: -0.617±/0.153  $\chi^2$ /NDF: 33.2/3

In: -0.587±/0.241  $\chi^2$ /NDF:32.9/1

Out: 0.000±/0.000  $\chi^2$ /NDF:0.0/0

All: -0.617±/0.153  $\chi^2$ /NDF: 33.2/3

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -3.829+/-0.158  $\chi^2$ /NDF: 279.0/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -1.863+/-0.115  $\chi^2$ /NDF: 3.1/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

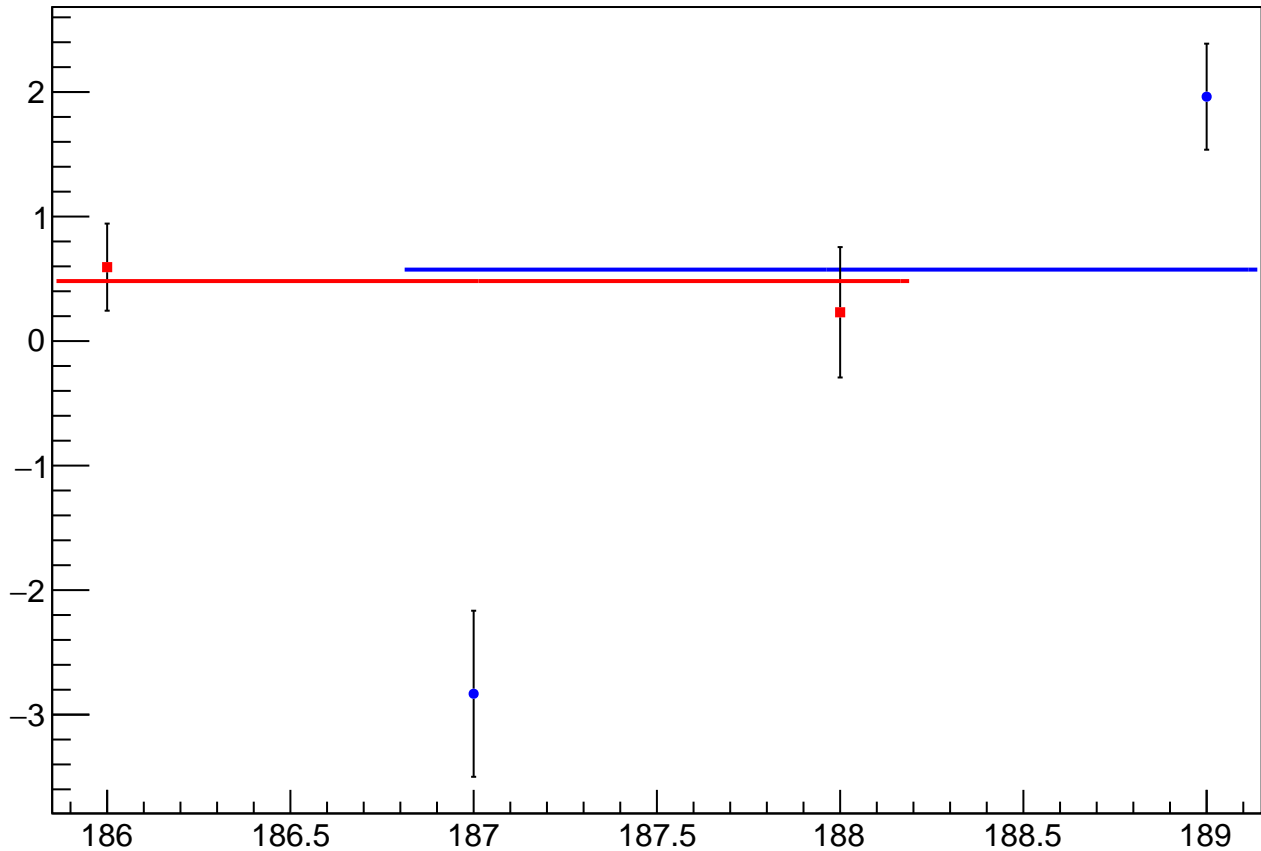
Right: -2.545+/-0.093  $\chi^2$ /NDF: 383.3/3

In: -3.829+/-0.158  $\chi^2$ /NDF:279.0/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.545+/-0.093  $\chi^2$ /NDF: 383.3/3

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.574+/-0.359  $\chi^2$ /NDF: 36.7/1

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.482+/-0.291  $\chi^2$ /NDF: 0.3/1

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

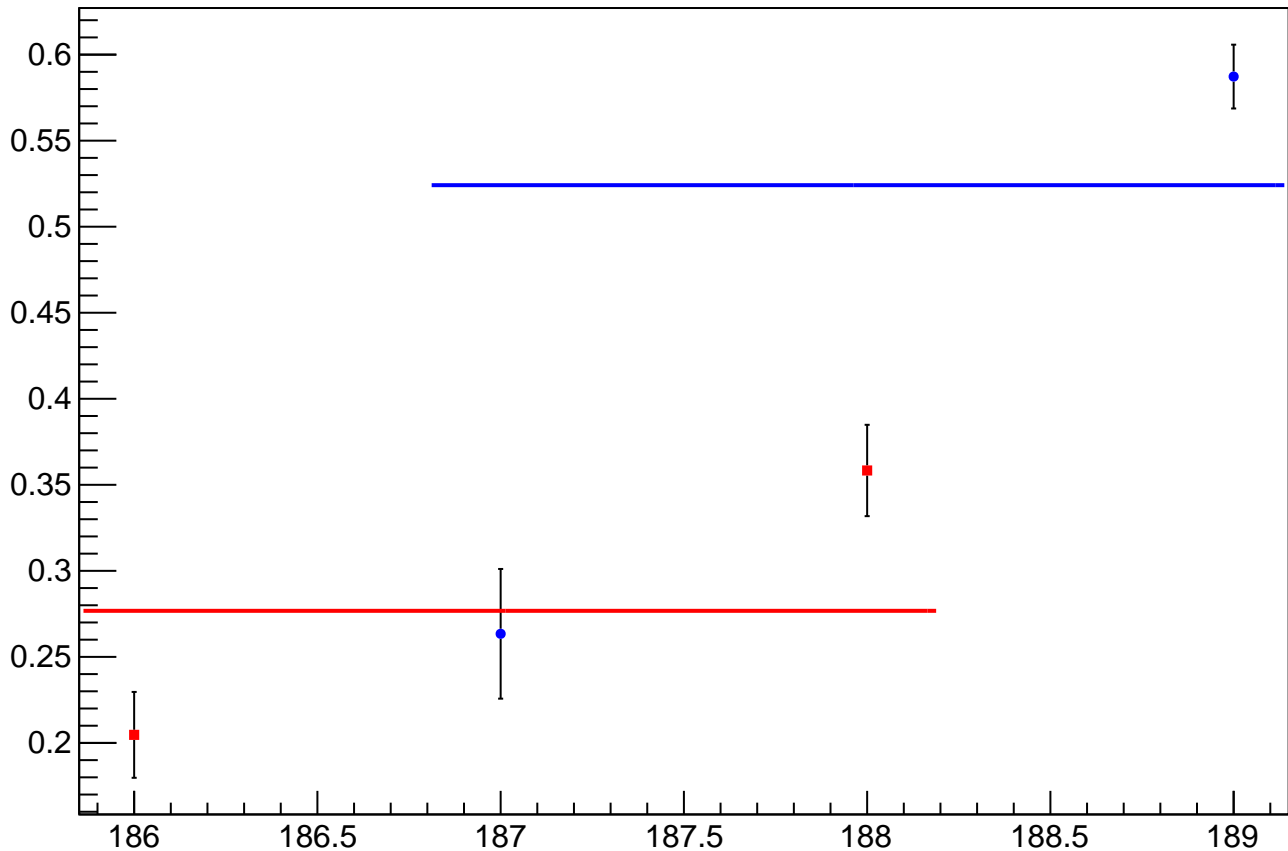
Right: 0.518+/-0.226  $\chi^2$ /NDF: 37.1/3

In: 0.574+/-0.359  $\chi^2$ /NDF:36.7/1

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 0.518+/-0.226  $\chi^2$ /NDF: 37.1/3

reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.524+/-0.017  $\chi^2/\text{NDF}$ : 59.4/1

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.277+/-0.018  $\chi^2/\text{NDF}$ : 17.8/1

Left In: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Left: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right: 0.411+/-0.012  $\chi^2/\text{NDF}$ : 178.0/3

In: 0.524+/-0.017  $\chi^2/\text{NDF}$ :59.4/1

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.411+/-0.012  $\chi^2/\text{NDF}$ : 178.0/3