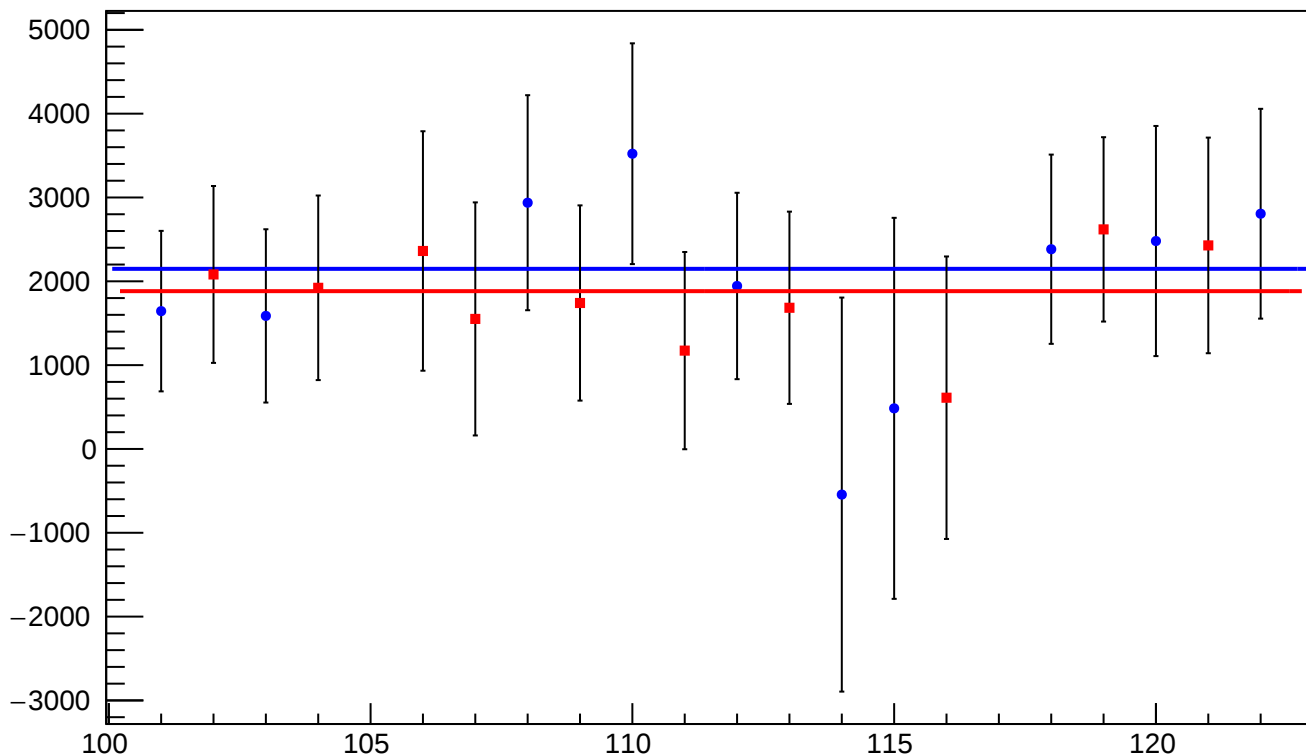


# dit\_asym\_us\_avg\_mean vs Slug, Sign Corrected



Right In: 2148.746+/-396.874  $\chi^2/\text{NDF}$ : 4.3/9

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

Right Out: 1882.473+/-385.352  $\chi^2/\text{NDF}$ : 1.8/9

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: 2011.688+/-276.469

$\chi^2/\text{NDF}$ : 6.3/19

In: 2148.746+/-396.874

$\chi^2/\text{NDF}$ : 4.3/9

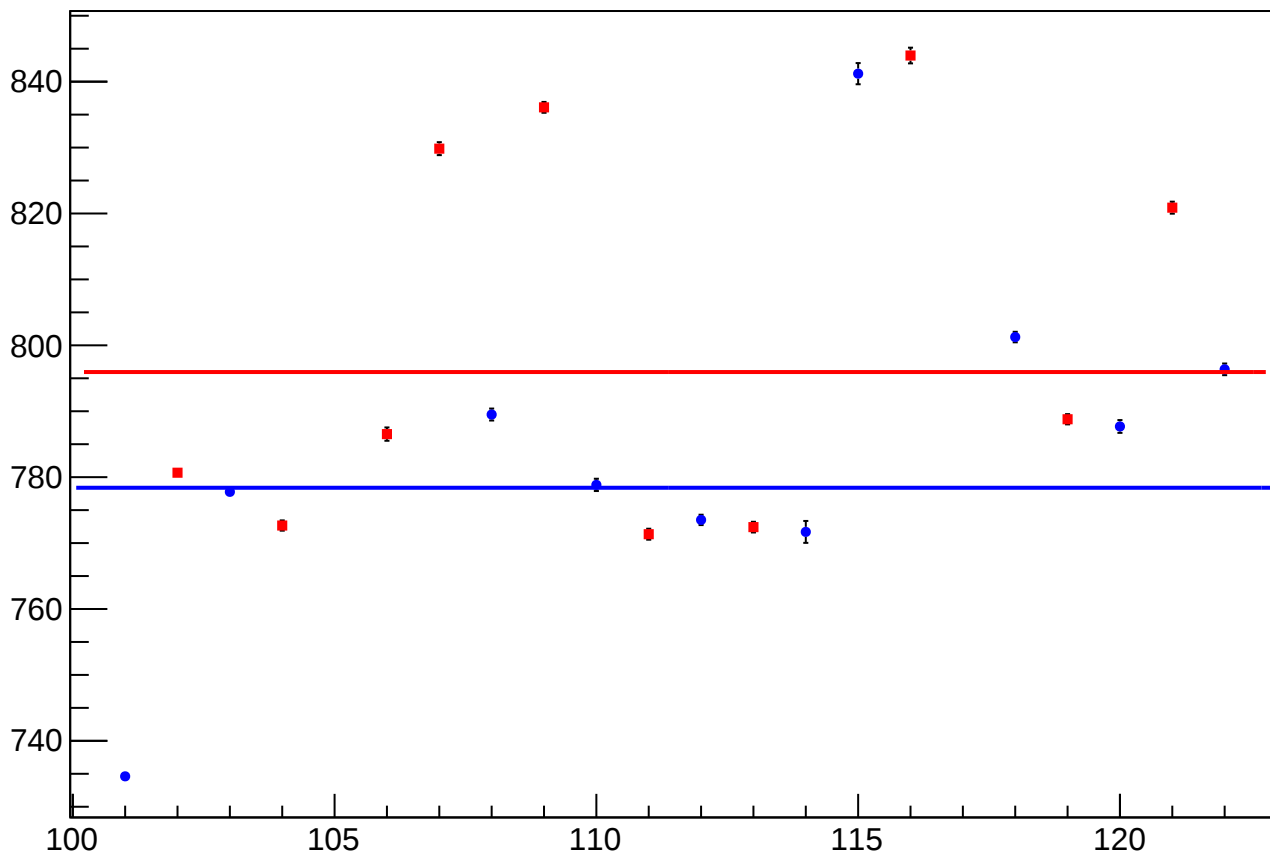
Out: 0.000+/-0.000

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

All: 2011.688+/-276.469

$\chi^2/\text{NDF}$ : 6.3/19

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



Right In: 778.393+/-0.281  $\chi^2/\text{NDF}$ : 7240.2/9

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

Right Out: 795.948+/-0.272  $\chi^2/\text{NDF}$ : 9143.4/9

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

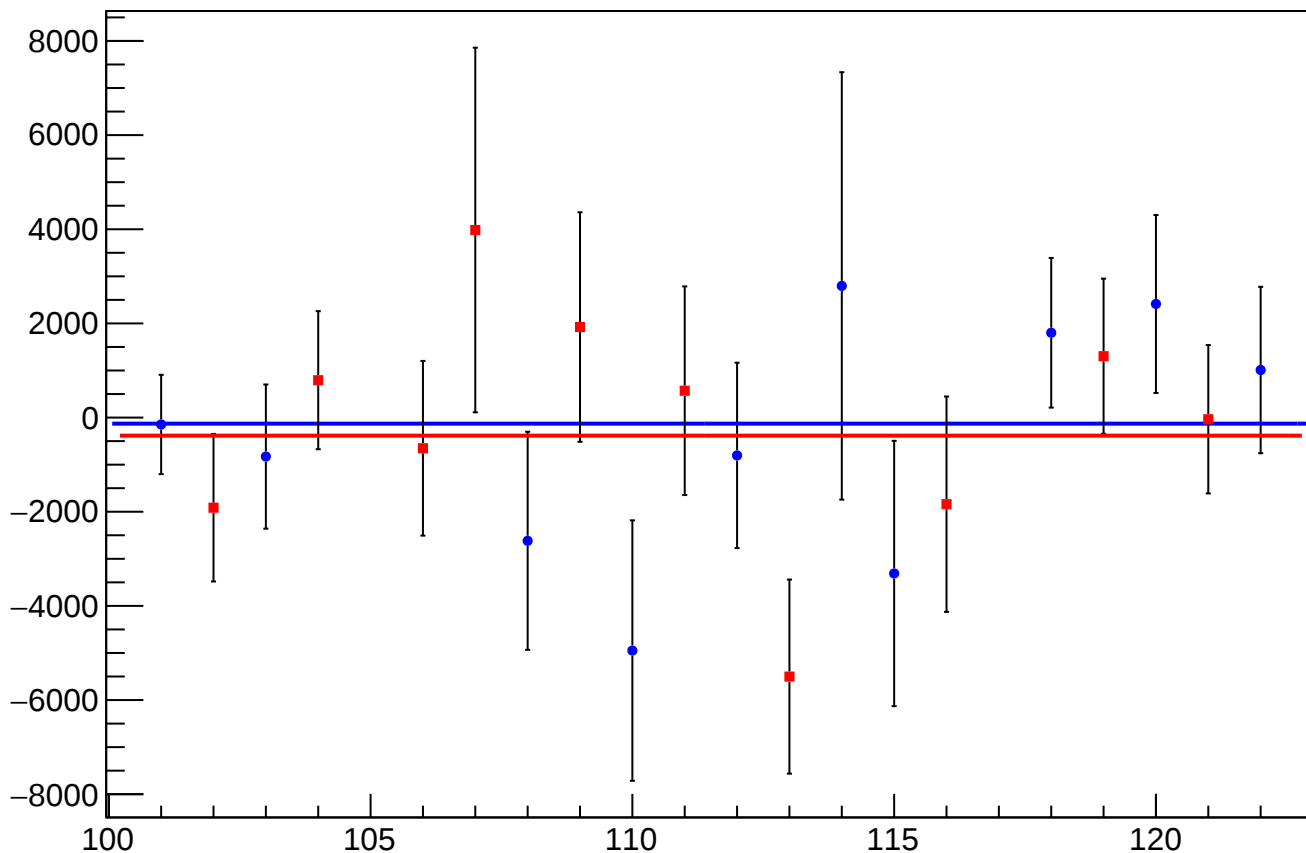
Right: 787.429+/-0.195  $\chi^2/\text{NDF}$ : 18397.7/19

In: 778.393+/-0.281  $\chi^2/\text{NDF}$ : 7240.2/9

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

All: 787.429+/-0.195  $\chi^2/\text{NDF}$ : 18397.7/19

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



Right In: -128.942+/-570.661  $\chi^2/\text{NDF}$ : 9.9/9

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

Right Out: -383.955+/-597.711  $\chi^2/\text{NDF}$ : 11.6/9

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

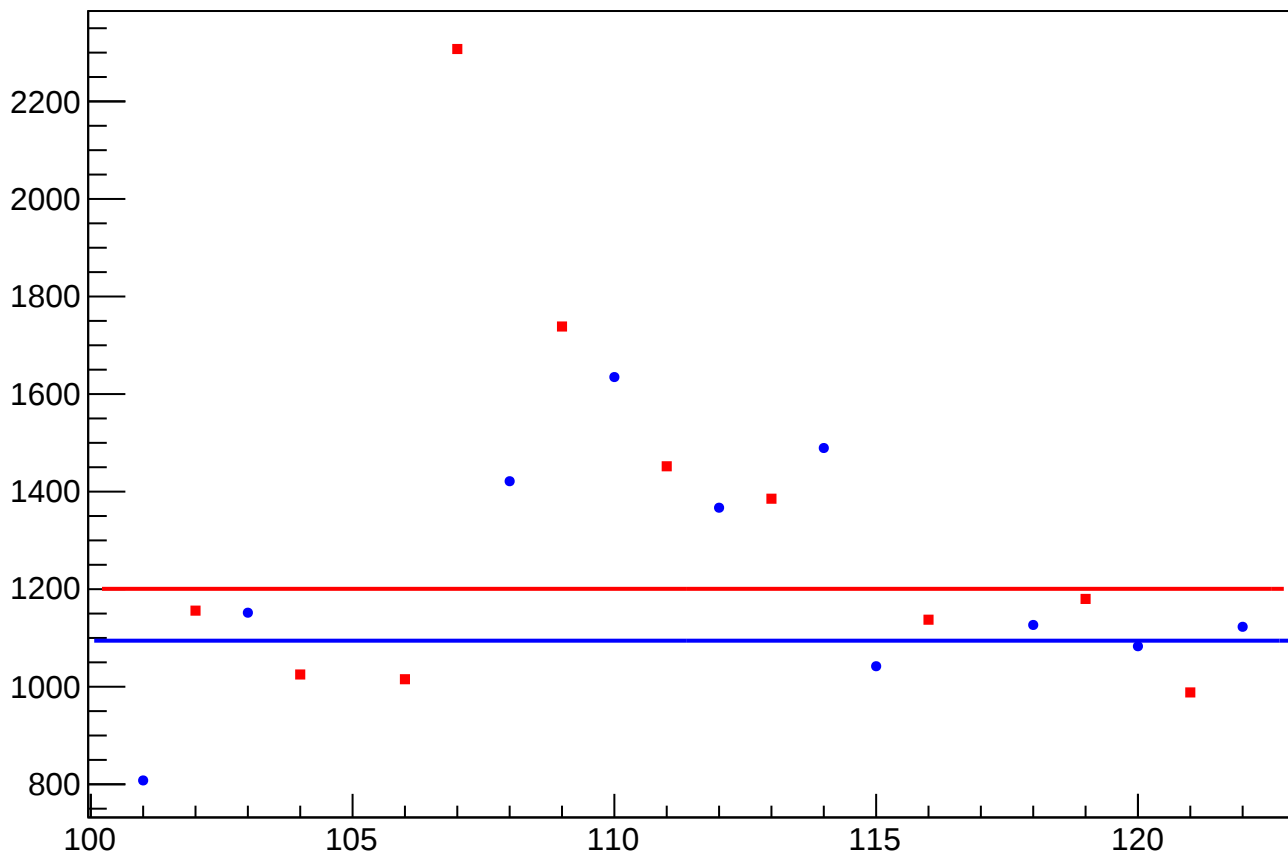
Right: -250.548+/-412.750  $\chi^2/\text{NDF}$ : 21.6/19

In: -128.942+/-570.661  $\chi^2/\text{NDF}$ : 9.9/9

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

All: -250.548+/-412.750  $\chi^2/\text{NDF}$ : 21.6/19

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



Right In: 1094.404+/-0.404  $\chi^2/\text{NDF}$ : 322166.5/9

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

Right Out: 1200.710+/-0.423  $\chi^2/\text{NDF}$ : 390878.6/9

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

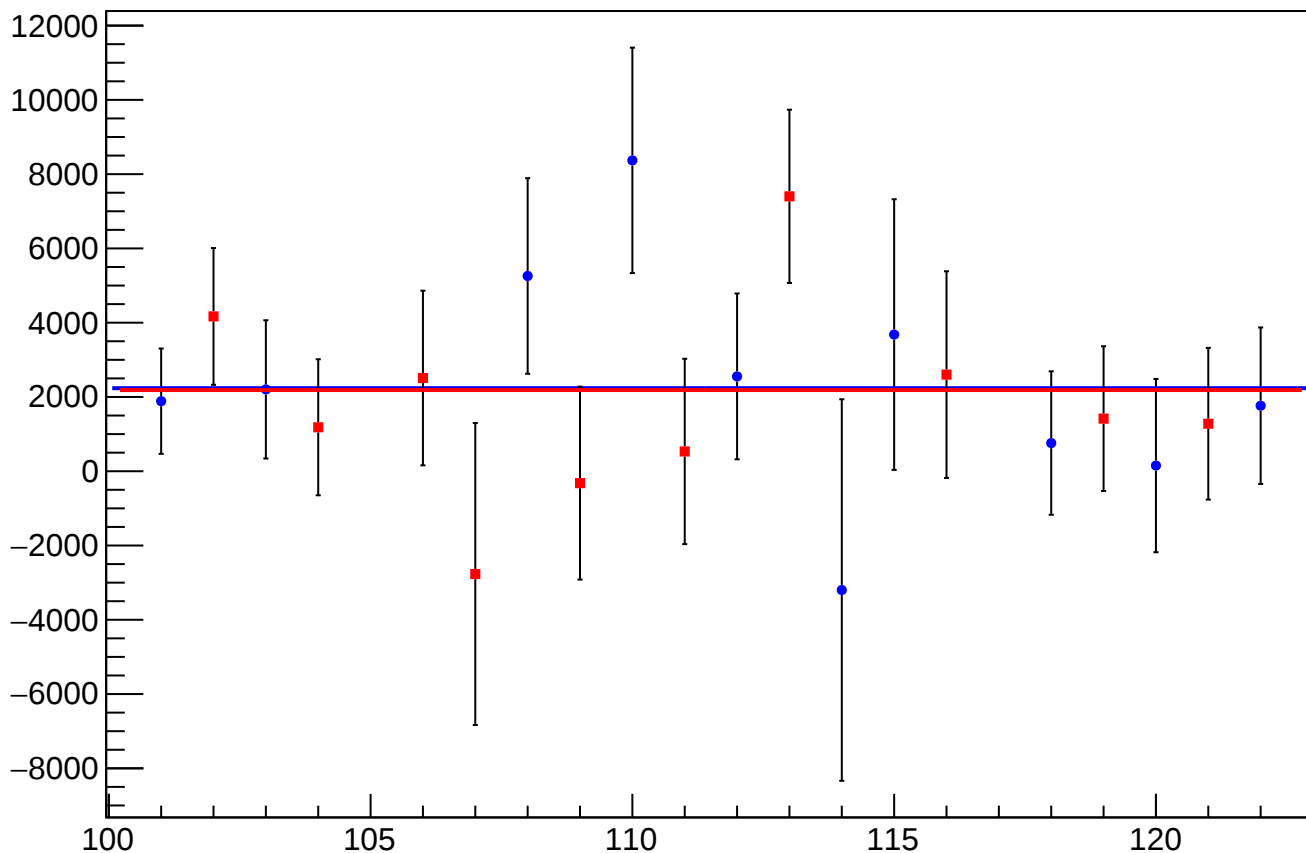
Right: 1145.097+/-0.292  $\chi^2/\text{NDF}$ : 746141.3/19

In: 1094.404+/-0.404  $\chi^2/\text{NDF}$ : 322166.5/9

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

All: 1145.097+/-0.292  $\chi^2/\text{NDF}$ : 746141.3/19

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



Right In: 2236.178+/-702.058  $\chi^2/\text{NDF}$ : 8.2/9

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

Right Out: 2186.284+/-714.585  $\chi^2/\text{NDF}$ : 9.7/9

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

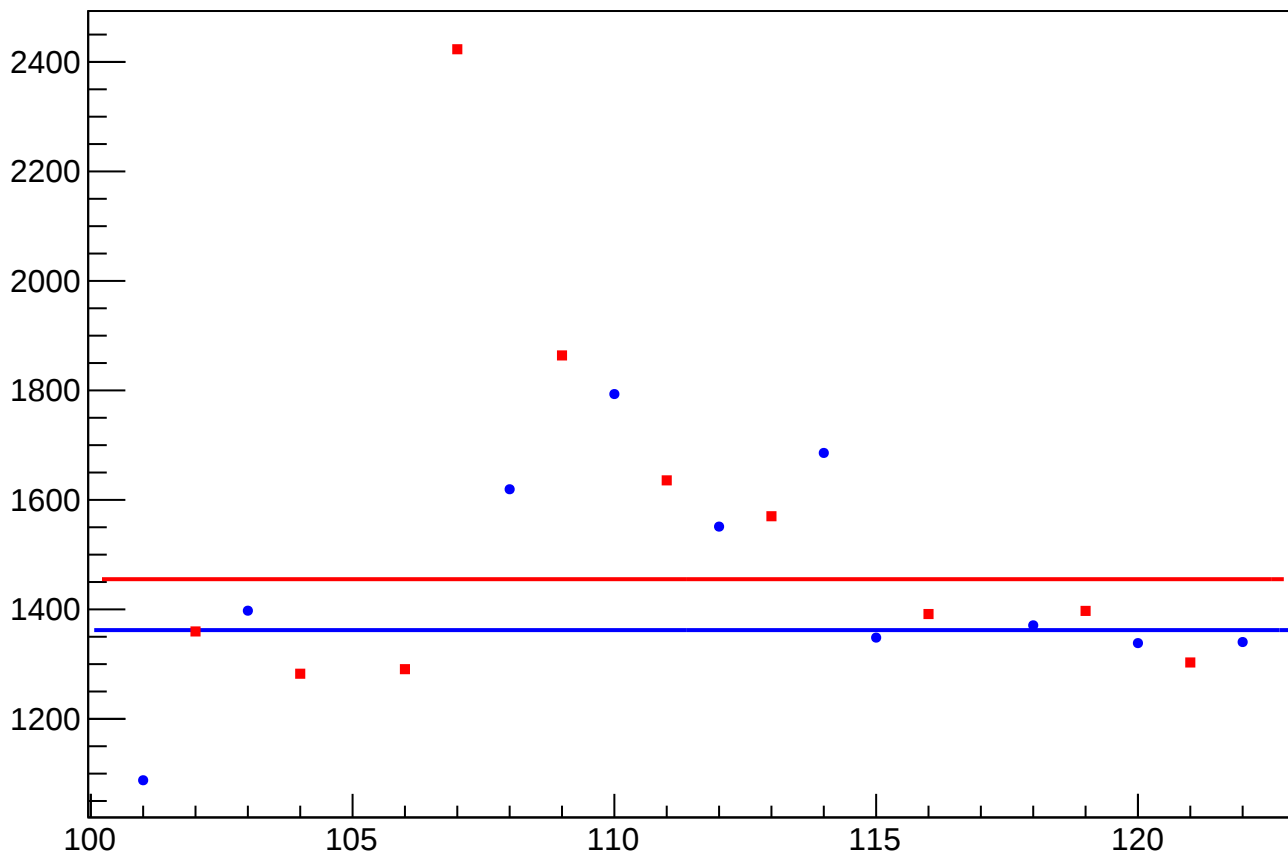
Right: 2211.672+/-500.800  $\chi^2/\text{NDF}$ : 17.9/19

In: 2236.178+/-702.058  $\chi^2/\text{NDF}$ : 8.2/9

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

All: 2211.672+/-500.800  $\chi^2/\text{NDF}$ : 17.9/19

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



Right In: 1362.156+/-0.496  $\chi^2/\text{NDF}$ : 157728.5/9

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

Right Out: 1455.160+/-0.505  $\chi^2/\text{NDF}$ : 224997.1/9

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

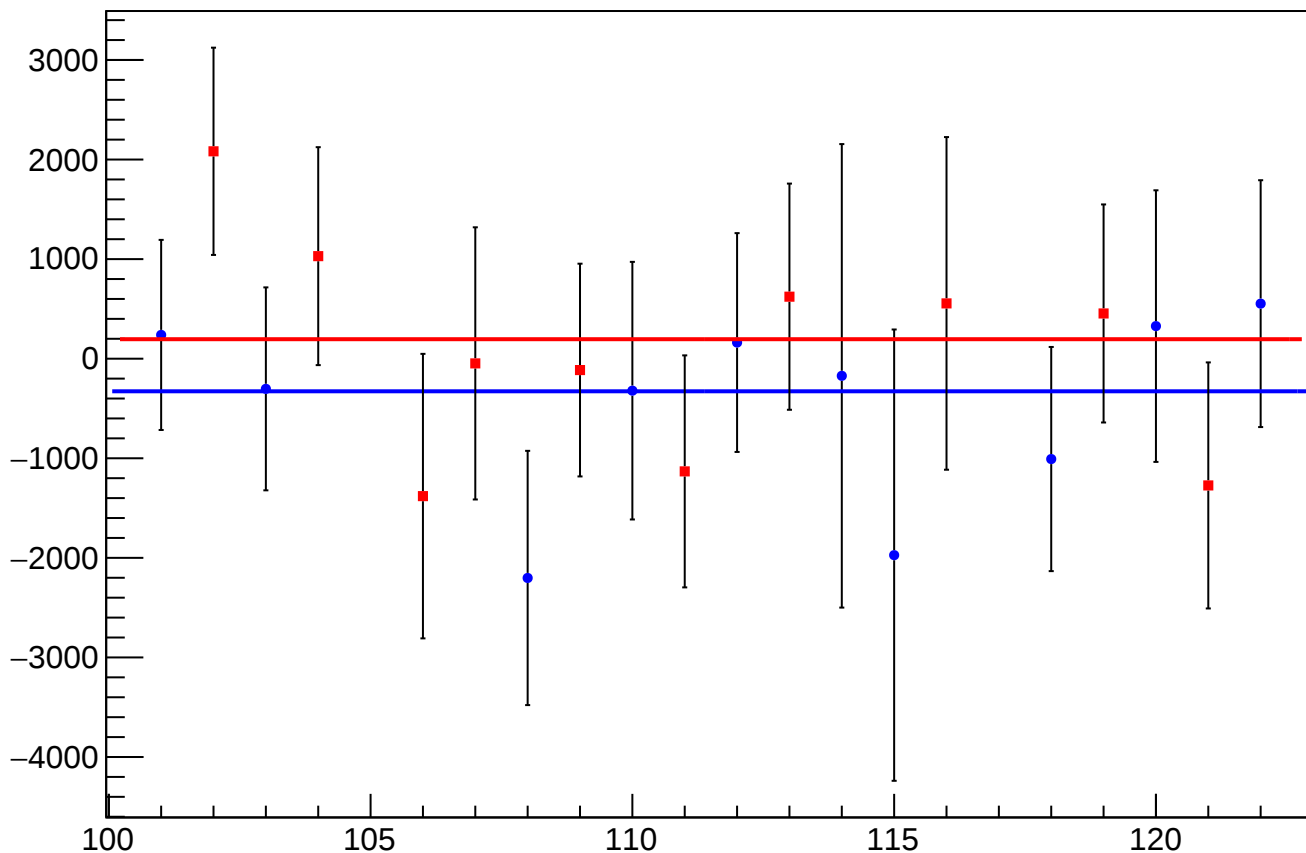
Right: 1407.836+/-0.354  $\chi^2/\text{NDF}$ : 399964.4/19

In: 1362.156+/-0.496  $\chi^2/\text{NDF}$ : 157728.5/9

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

All: 1407.836+/-0.354  $\chi^2/\text{NDF}$ : 399964.4/19

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



Right In: -327.352+/-393.524  $\chi^2/\text{NDF}$ : 4.3/9

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

Right Out: 195.796+/-377.428  $\chi^2/\text{NDF}$ : 8.2/9

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

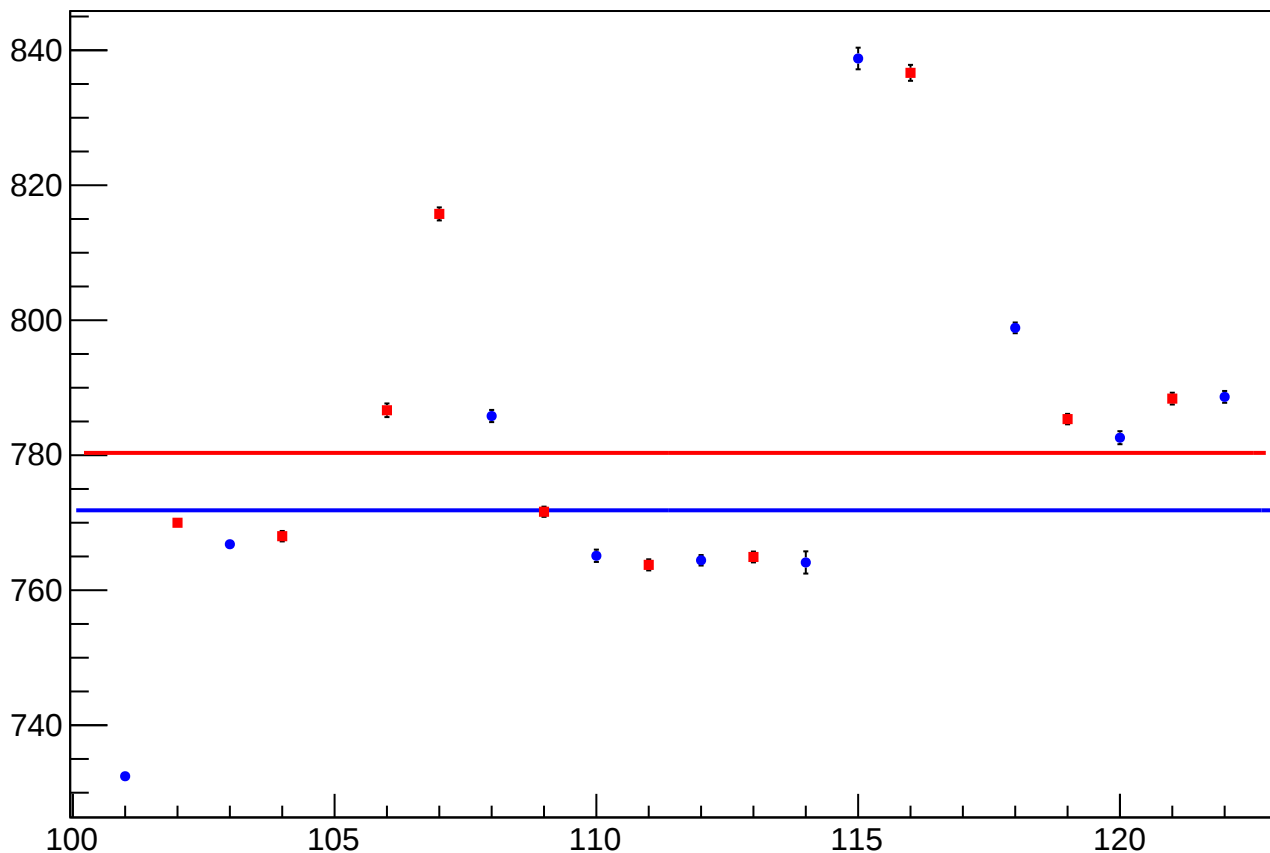
Right: -54.861+/-272.394  $\chi^2/\text{NDF}$ : 13.4/19

In: -327.352+/-393.524  $\chi^2/\text{NDF}$ : 4.3/9

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

All: -54.861+/-272.394  $\chi^2/\text{NDF}$ : 13.4/19

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



Right In: 771.838+/-0.278  $\chi^2/\text{NDF}$ : 7254.1/9

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

Right Out: 780.346+/-0.267  $\chi^2/\text{NDF}$ : 5140.6/9

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

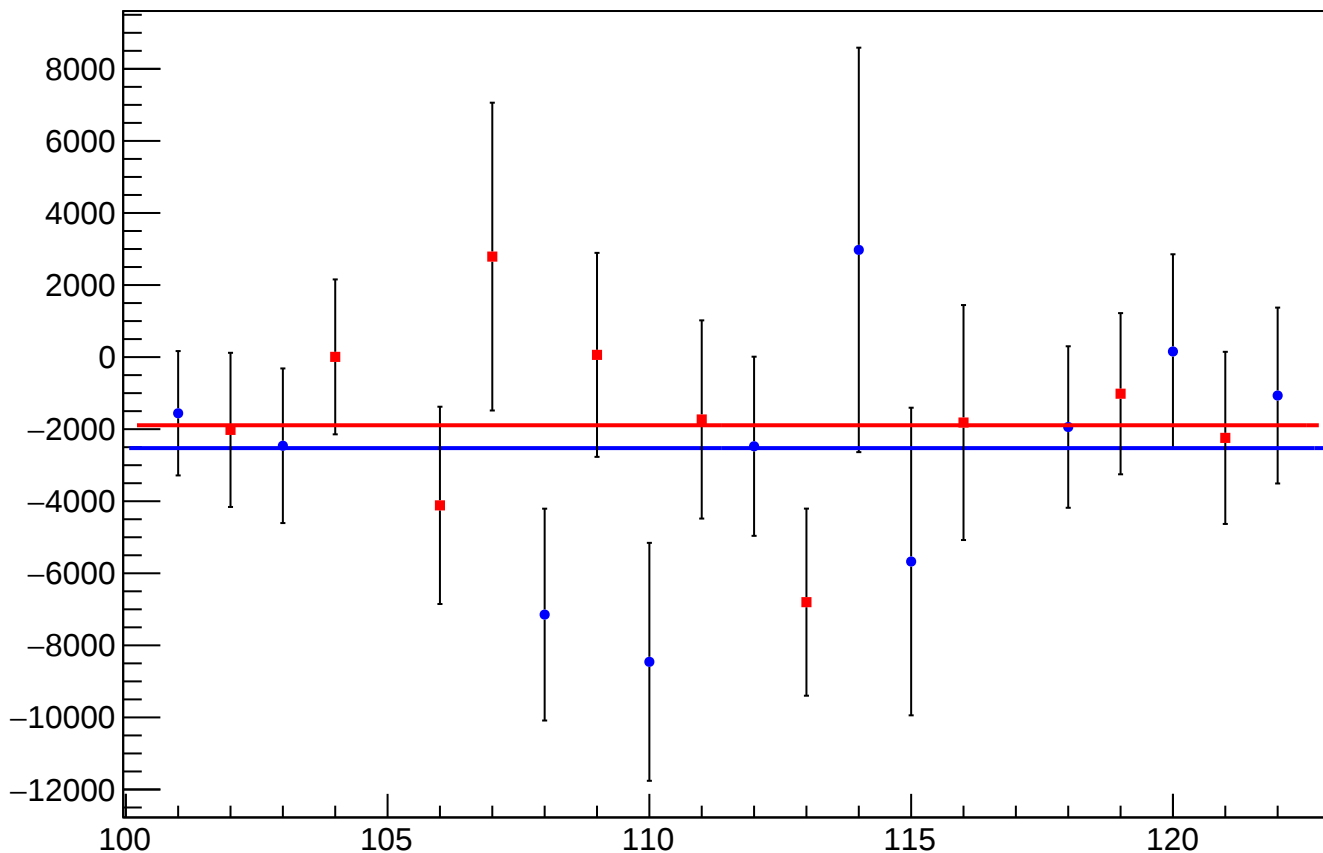
Right: 776.270+/-0.193  $\chi^2/\text{NDF}$ : 12881.6/19

In: 771.838+/-0.278  $\chi^2/\text{NDF}$ : 7254.1/9

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

All: 776.270+/-0.193  $\chi^2/\text{NDF}$ : 12881.6/19

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



Right In: -2525.675+/-812.959  $\chi^2/\text{NDF}$ : 8.9/9

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

Right Out: -1891.524+/-817.143  $\chi^2/\text{NDF}$ : 6.9/9

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

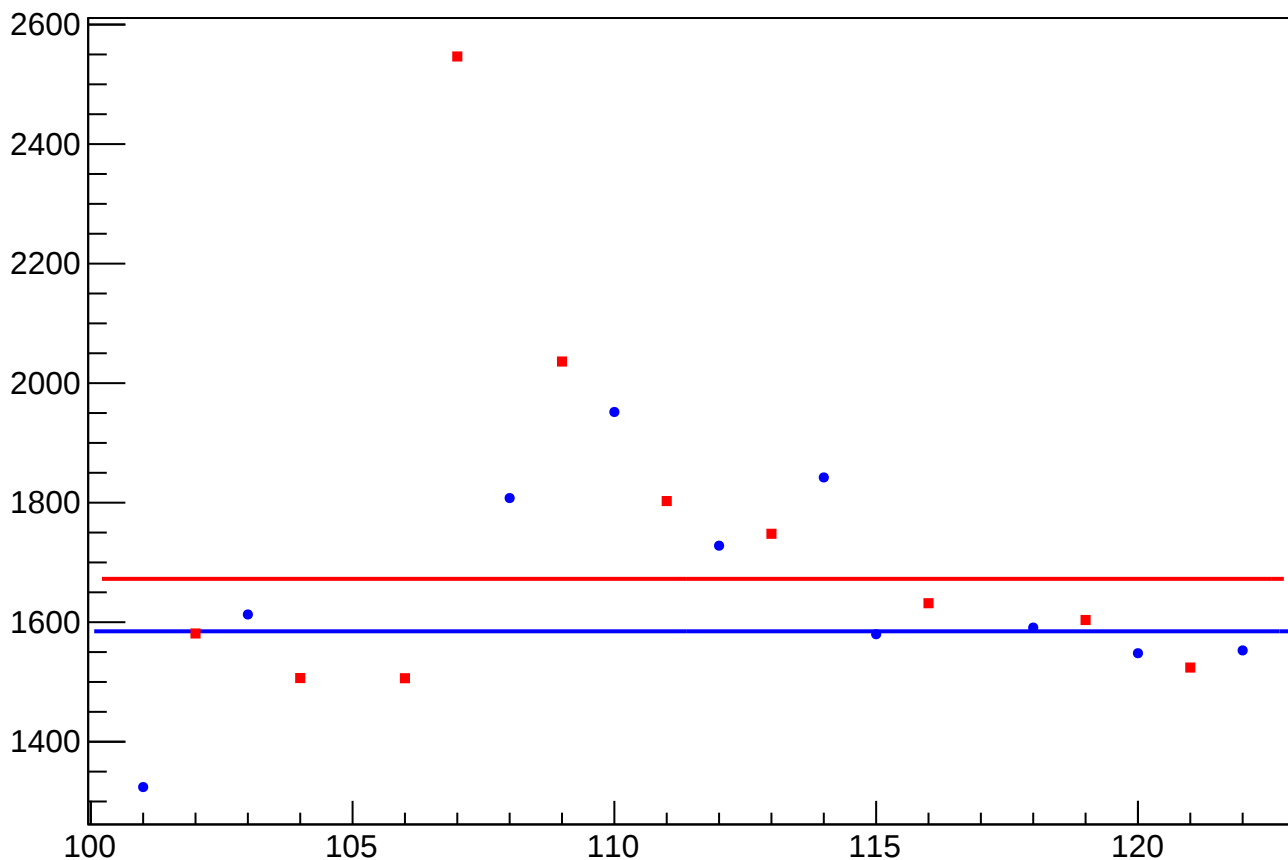
Right: -2210.227+/-576.323  $\chi^2/\text{NDF}$ : 16.1/19

In: -2525.675+/-812.959  $\chi^2/\text{NDF}$ : 8.9/9

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

All: -2210.227+/-576.323  $\chi^2/\text{NDF}$ : 16.1/19

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



Right In: 1584.768+/-0.575  $\chi^2/\text{NDF}$ : 93751.4/9

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

Right Out: 1672.536+/-0.578  $\chi^2/\text{NDF}$ : 155806.6/9

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

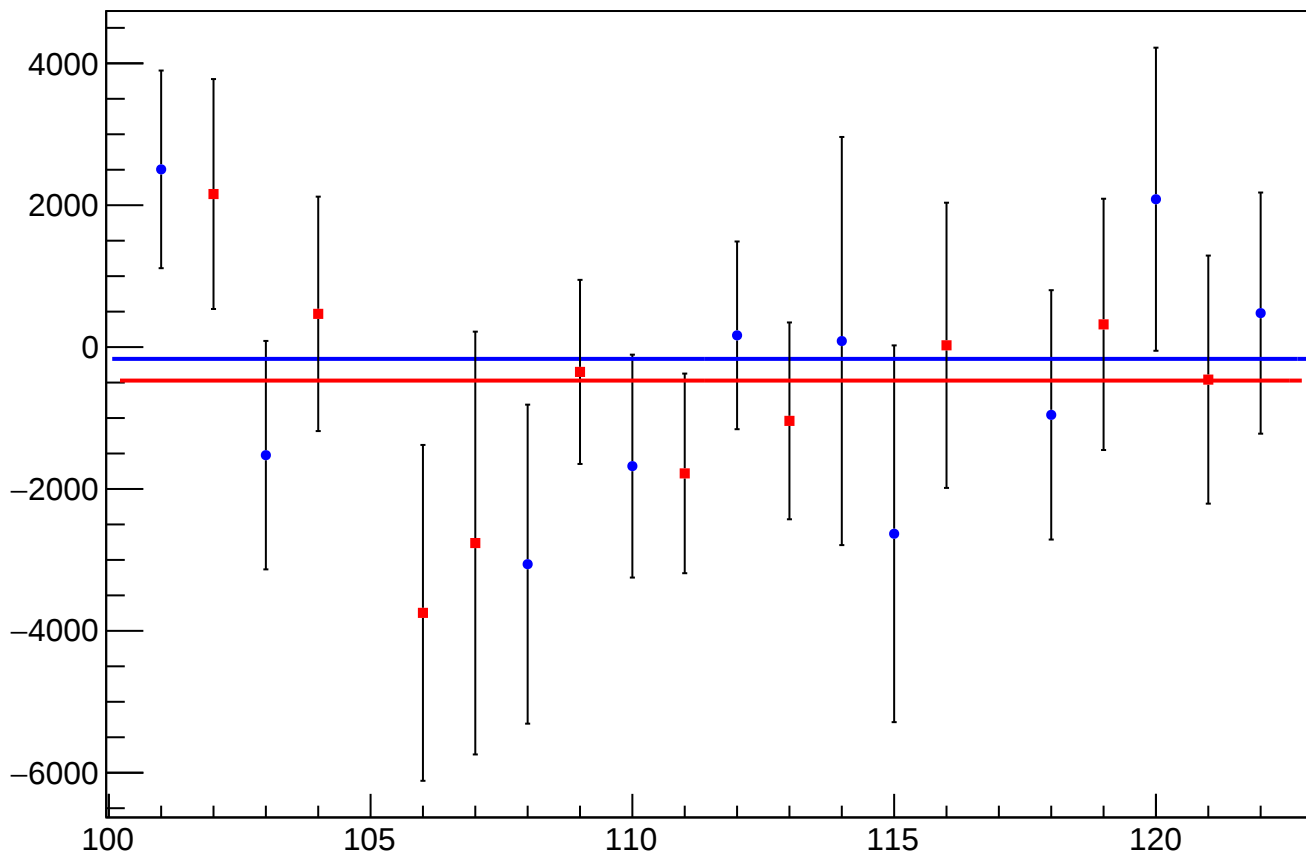
Right: 1628.426+/-0.408  $\chi^2/\text{NDF}$ : 261153.7/19

In: 1584.768+/-0.575  $\chi^2/\text{NDF}$ : 93751.4/9

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

All: 1628.426+/-0.408  $\chi^2/\text{NDF}$ : 261153.7/19

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



Right In: -166.149+/-556.676  $\chi^2/\text{NDF}$ : 9.4/9

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

Right Out: -471.963+/-530.725  $\chi^2/\text{NDF}$ : 6.8/9

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

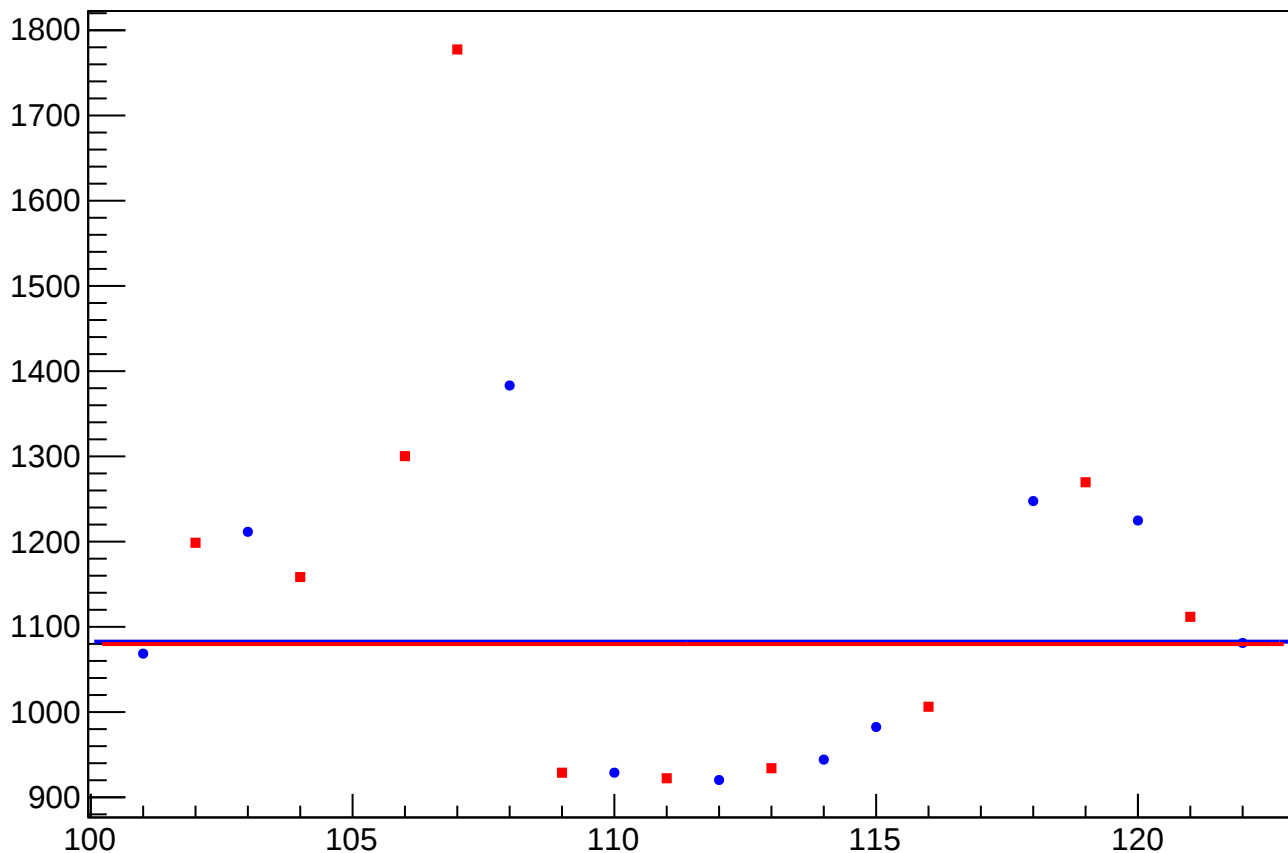
Right: -326.350+/-384.126  $\chi^2/\text{NDF}$ : 16.3/19

In: -166.149+/-556.676  $\chi^2/\text{NDF}$ : 9.4/9

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

All: -326.350+/-384.126  $\chi^2/\text{NDF}$ : 16.3/19

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



Right In: 1082.634+/-0.394  $\chi^2/\text{NDF}$ : 131955.6/9

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

Right Out: 1079.767+/-0.375  $\chi^2/\text{NDF}$ : 242764.7/9

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

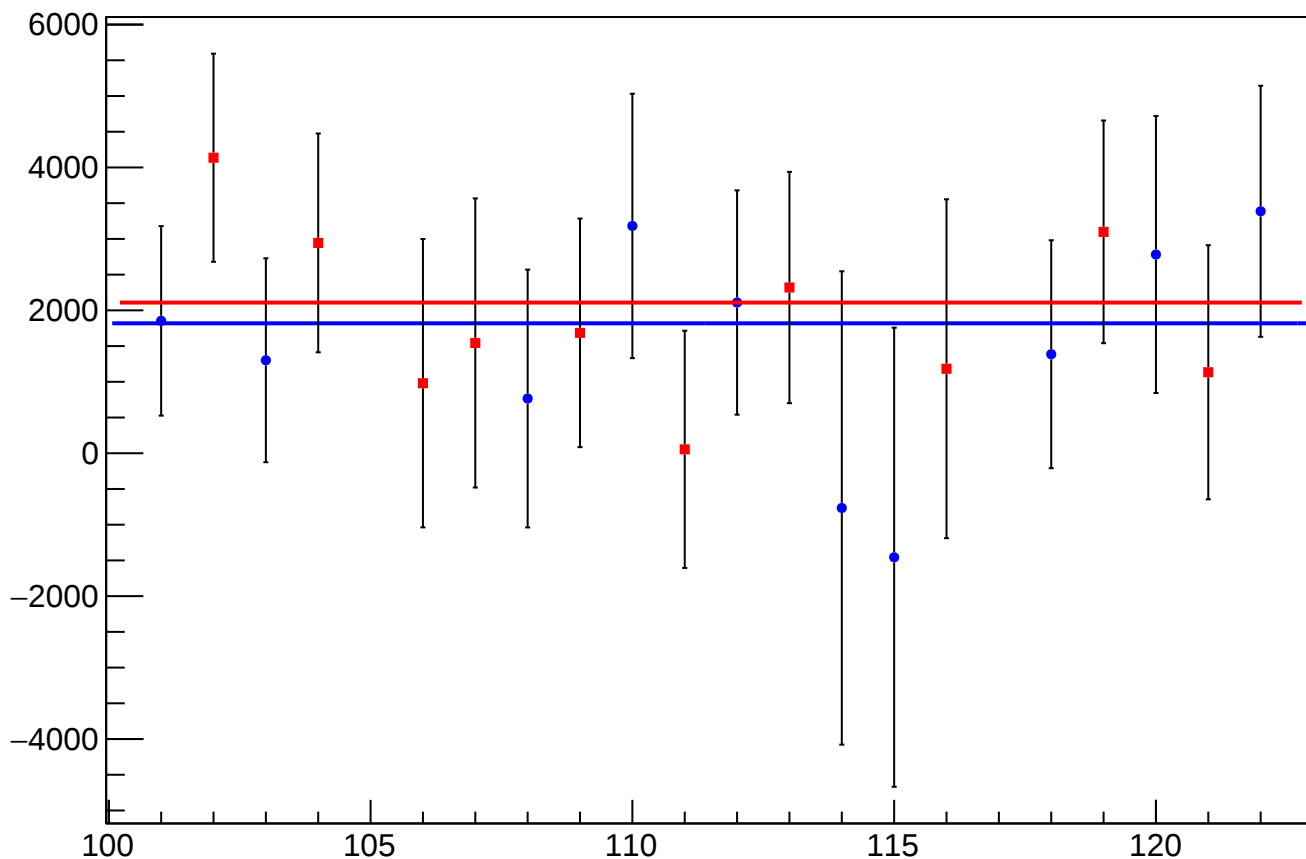
Right: 1081.132+/-0.272  $\chi^2/\text{NDF}$ : 374748.1/19

In: 1082.634+/-0.394  $\chi^2/\text{NDF}$ : 131955.6/9

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

All: 1081.132+/-0.272  $\chi^2/\text{NDF}$ : 374748.1/19

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



Right In: 1818.682 $\pm$ 555.936  $\chi^2$ /NDF: 3.8/9

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

Right Out: 2109.121 $\pm$ 540.050  $\chi^2$ /NDF: 5.1/9

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

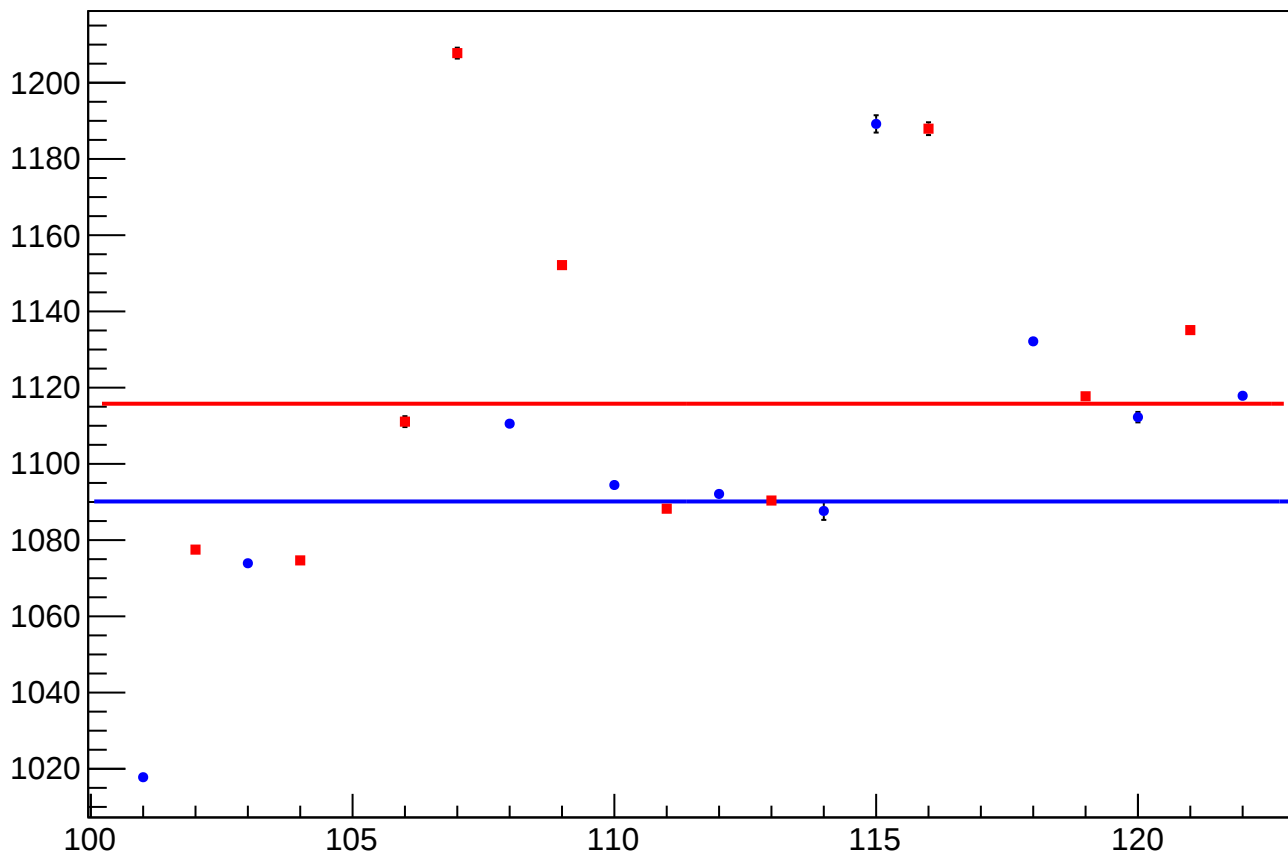
Right: 1968.110 $\pm$ 387.368  $\chi^2$ /NDF: 9.1/19

In: 1818.682 $\pm$ 555.936  $\chi^2$ /NDF: 3.8/9

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

All: 1968.110 $\pm$ 387.368  $\chi^2$ /NDF: 9.1/19

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



Right In: 1090.140+/-0.393  $\chi^2/\text{NDF}$ : 10526.6/9

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

Right Out: 1115.785+/-0.382  $\chi^2/\text{NDF}$ : 11133.6/9

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

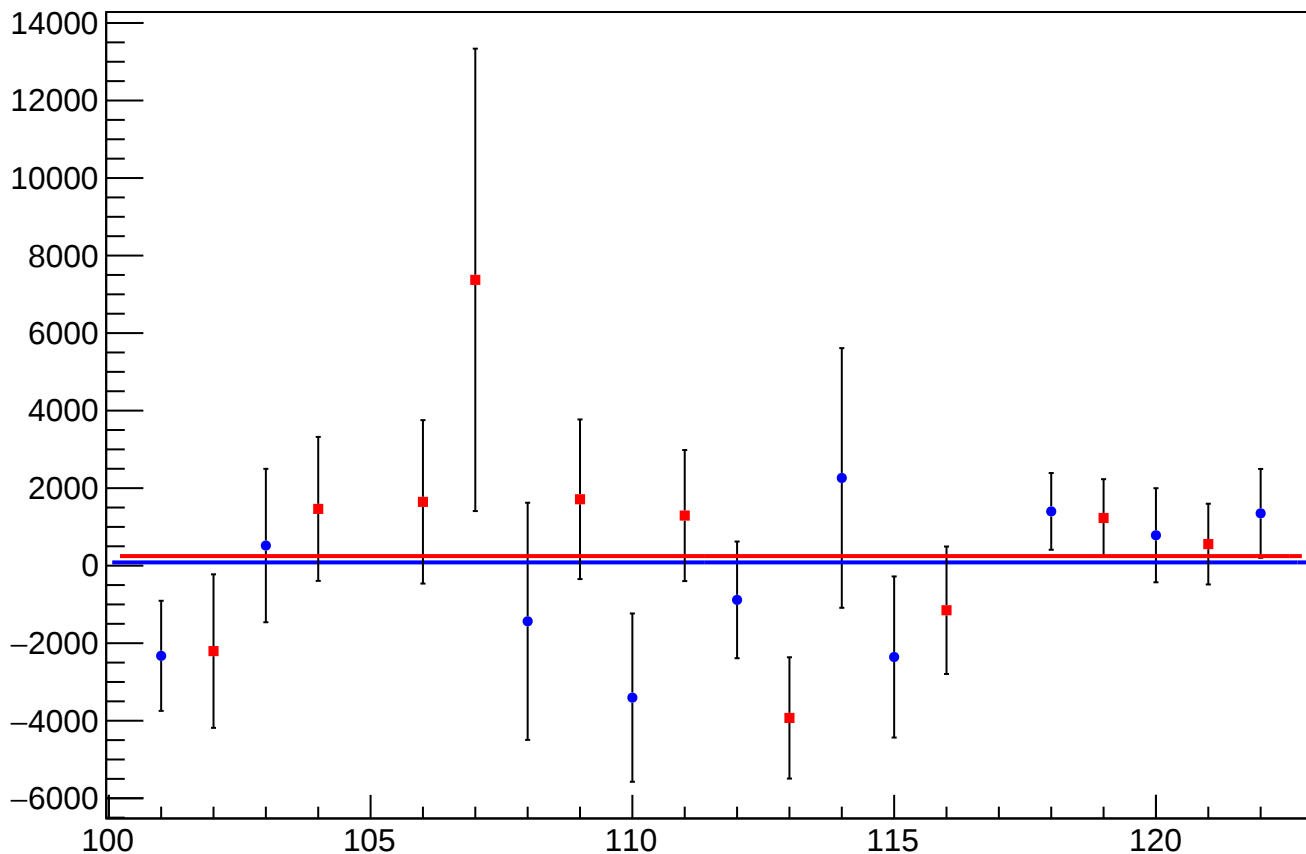
Right: 1103.334+/-0.274  $\chi^2/\text{NDF}$ : 23849.8/19

In: 1090.140+/-0.393  $\chi^2/\text{NDF}$ : 10526.6/9

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

All: 1103.334+/-0.274  $\chi^2/\text{NDF}$ : 23849.8/19

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



Right In: 84.277+/-482.546  $\chi^2/\text{NDF}$ : 11.3/9

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

Right Out: 247.162+/-494.956  $\chi^2/\text{NDF}$ : 13.6/9

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

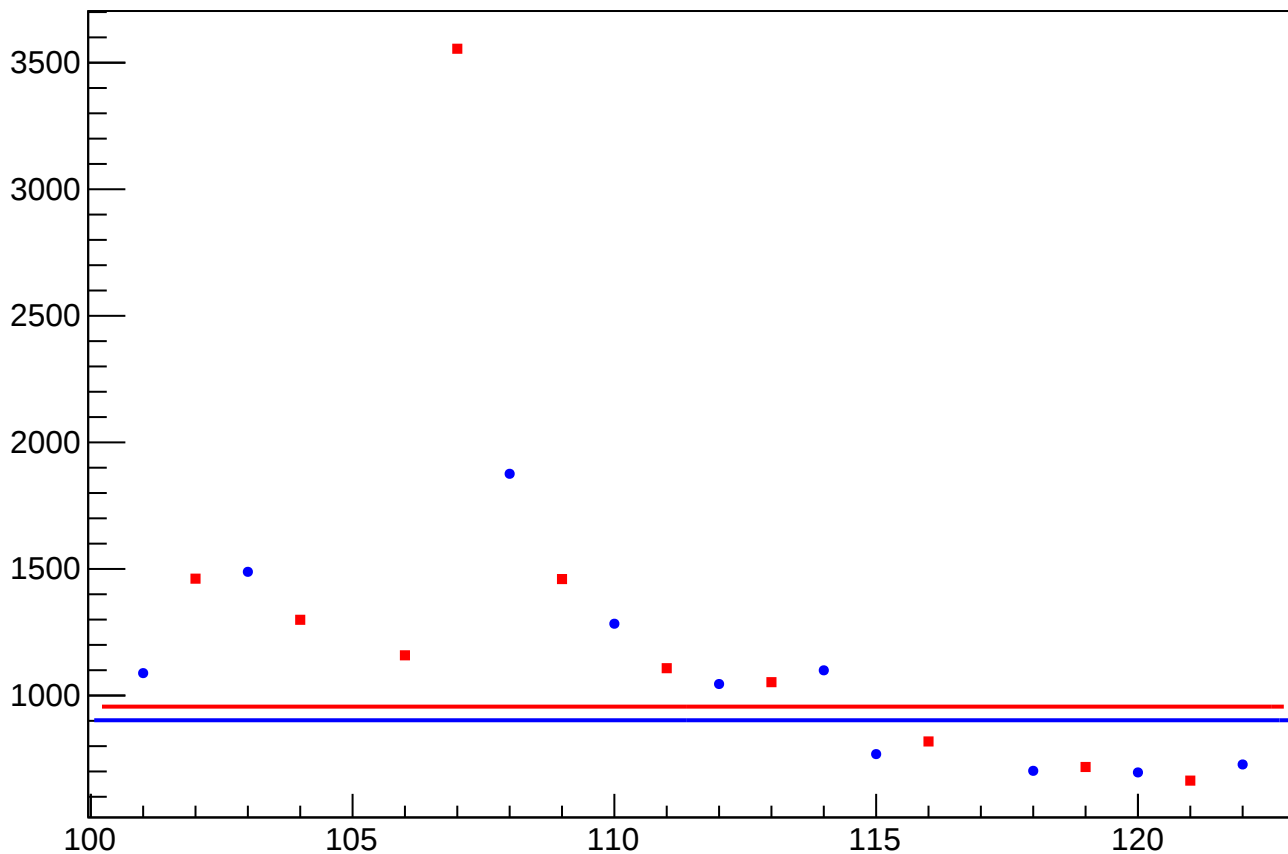
Right: 163.652+/-345.516  $\chi^2/\text{NDF}$ : 25.0/19

In: 84.277+/-482.546  $\chi^2/\text{NDF}$ : 11.3/9

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

All: 163.652+/-345.516  $\chi^2/\text{NDF}$ : 25.0/19

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



Right In: 902.282+/-0.341  $\chi^2/\text{NDF}$ : 693347.6/9

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

Right Out: 956.152+/-0.350  $\chi^2/\text{NDF}$ : 1025384.5/9

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

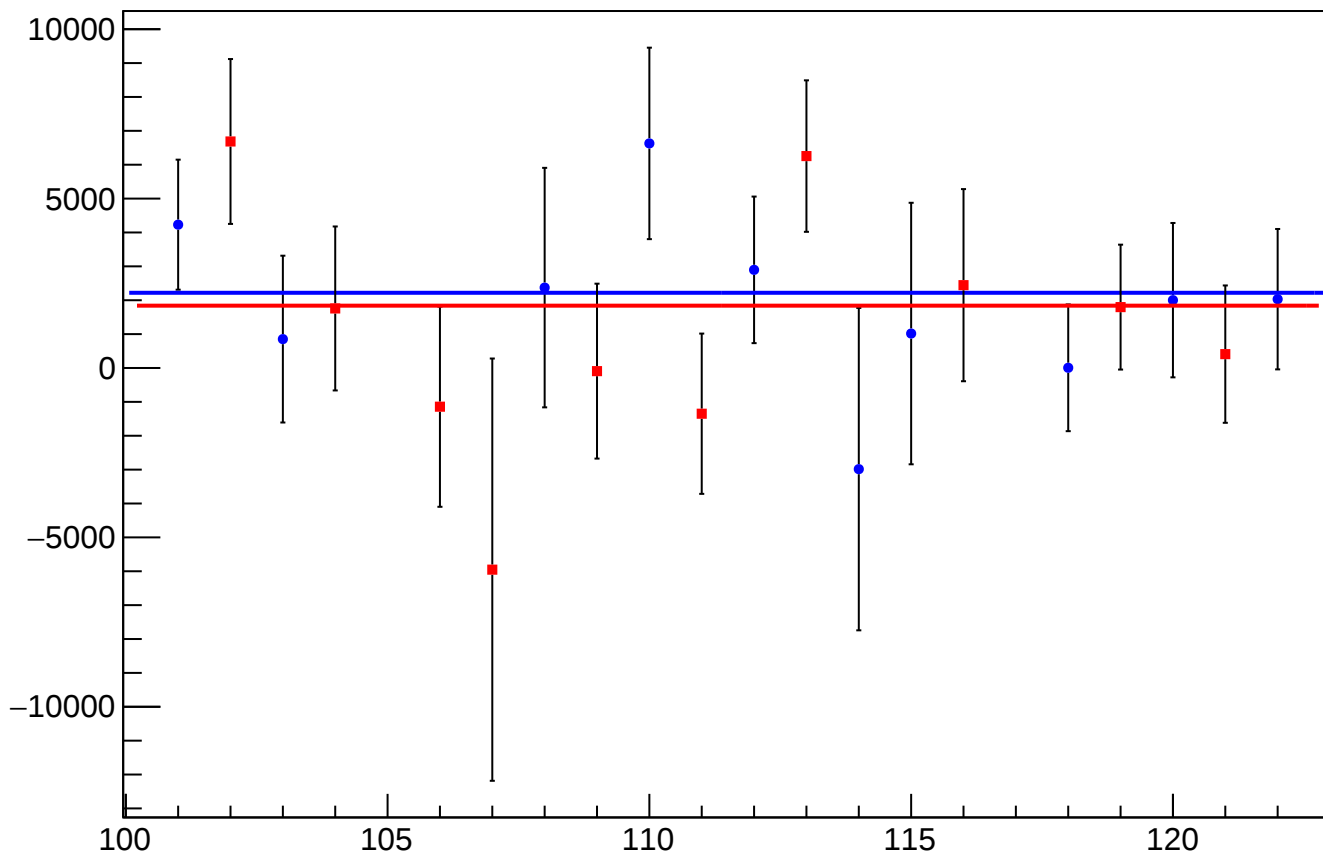
Right: 928.533+/-0.244  $\chi^2/\text{NDF}$ : 1730878.5/19

In: 902.282+/-0.341  $\chi^2/\text{NDF}$ :693347.6/9

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

All: 928.533+/-0.244  $\chi^2/\text{NDF}$ : 1730878.5/19

# asym\_usl\_mean vs Slug, Sign Corrected



Right In: 2219.872+/-771.941  $\chi^2/\text{NDF}$ : 6.7/9

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

Right Out: 1839.650+/-773.627  $\chi^2/\text{NDF}$ : 13.4/9

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

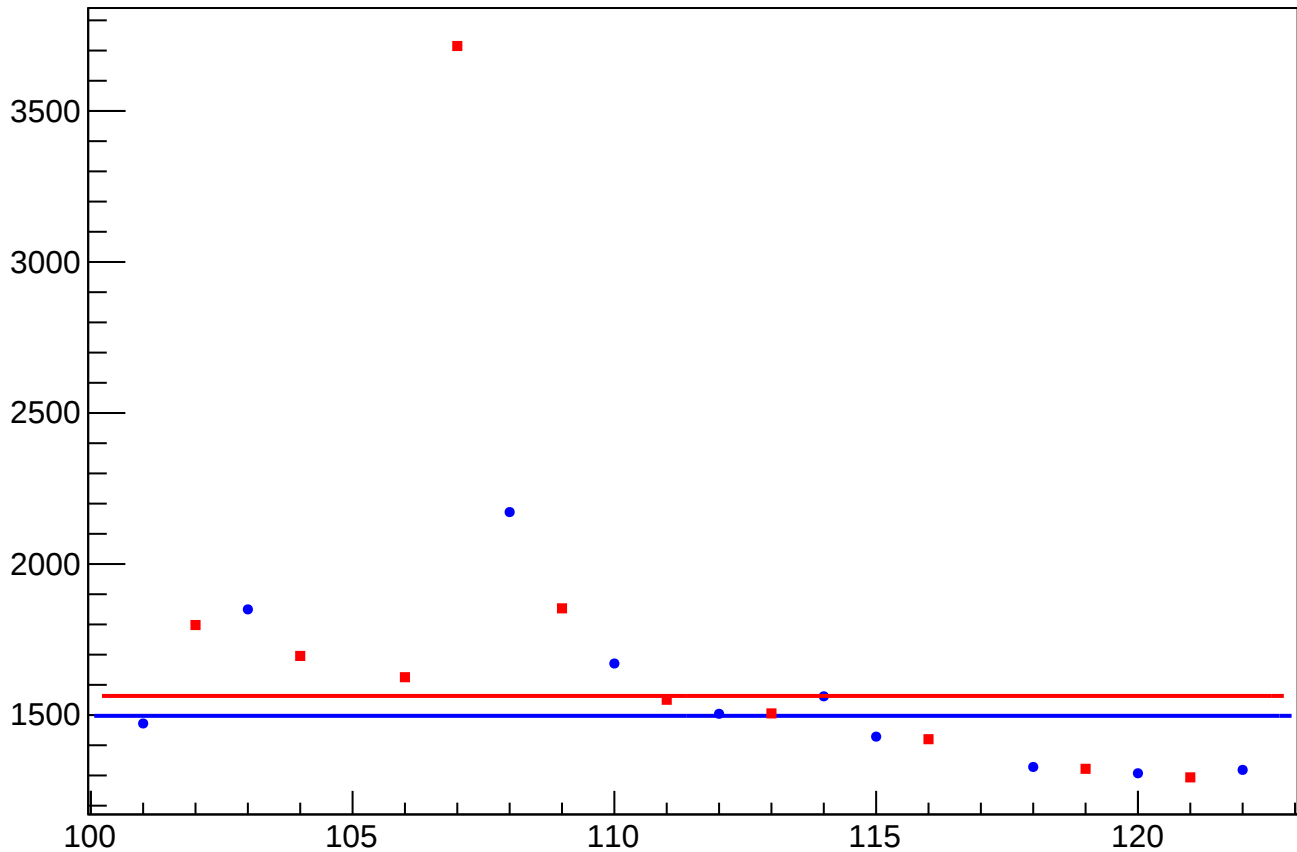
Right: 2030.176+/-546.440  $\chi^2/\text{NDF}$ : 20.1/19

In: 2219.872+/-771.941  $\chi^2/\text{NDF}$ : 6.7/9

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

All: 2030.176+/-546.440  $\chi^2/\text{NDF}$ : 20.1/19

# asym\_usl\_rms vs Slug, Sign Corrected



Right In: 1497.403+/-0.546  $\chi^2/\text{NDF}$ : 167938.5/9

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

Right Out: 1563.298+/-0.547  $\chi^2/\text{NDF}$ : 365280.2/9

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

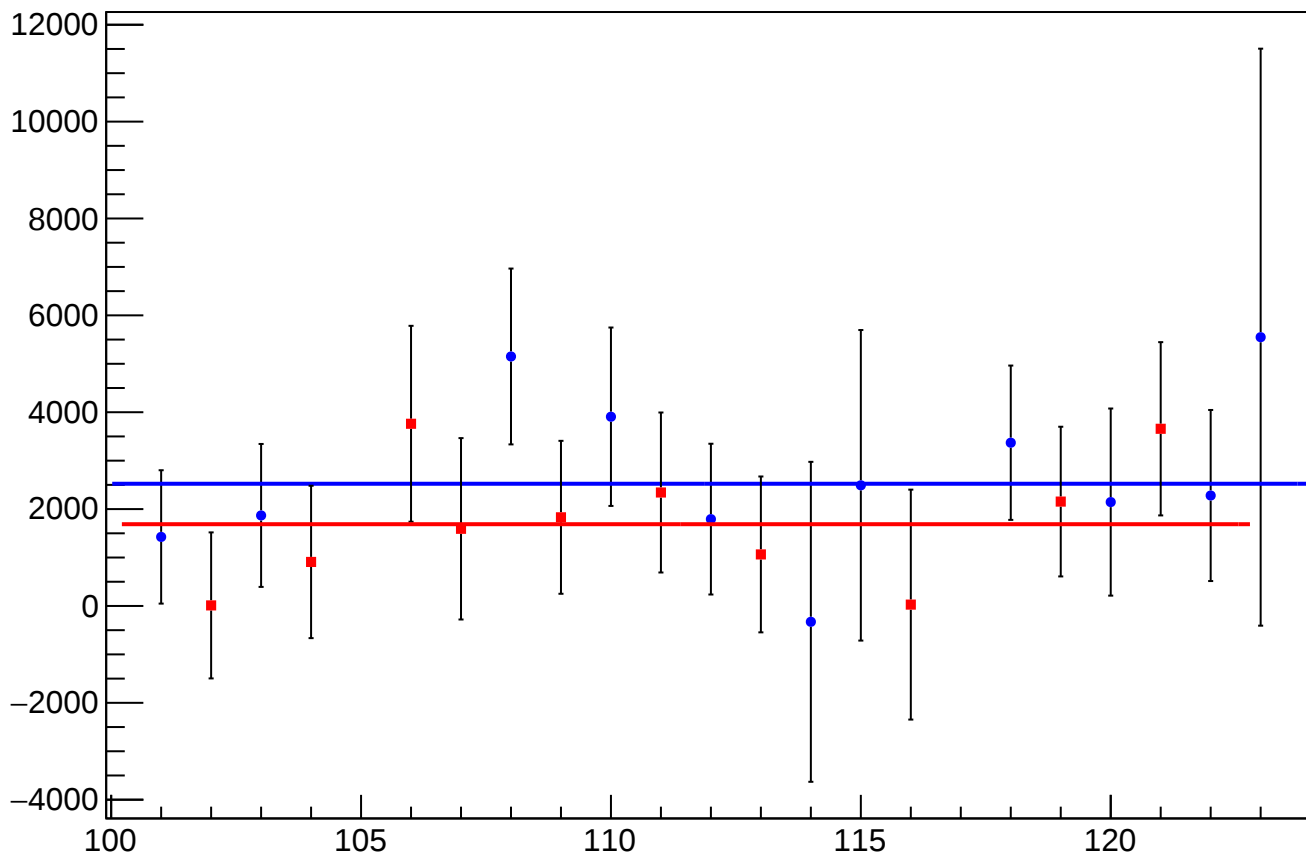
Right: 1530.278+/-0.386  $\chi^2/\text{NDF}$ : 540489.8/19

In: 1497.403+/-0.546  $\chi^2/\text{NDF}$ : 167938.5/9

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

All: 1530.278+/-0.386  $\chi^2/\text{NDF}$ : 540489.8/19

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



Right In: 2523.167+/-559.230  $\chi^2/\text{NDF}$ : 5.1/10

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

Right Out: 1688.039+/-539.414  $\chi^2/\text{NDF}$ : 4.6/9

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

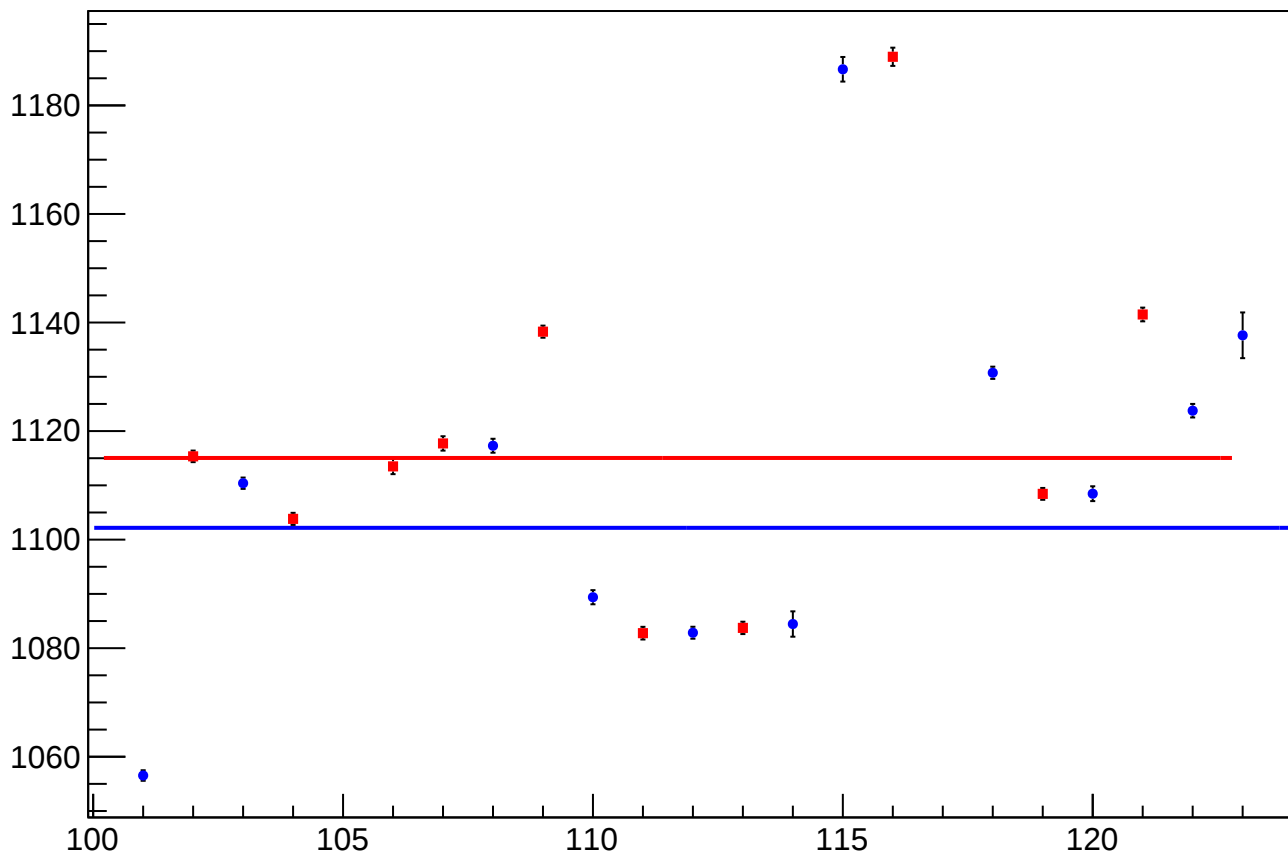
Right: 2090.544+/-388.240  $\chi^2/\text{NDF}$ : 10.9/20

In: 2523.167+/-559.230  $\chi^2/\text{NDF}$ : 5.1/10

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

All: 2090.544+/-388.240  $\chi^2/\text{NDF}$ : 10.9/20

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



Right In: 1102.175+/-0.395  $\chi^2/\text{NDF}$ : 5282.8/10

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

Right Out: 1115.046+/-0.381  $\chi^2/\text{NDF}$ : 4475.4/9

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

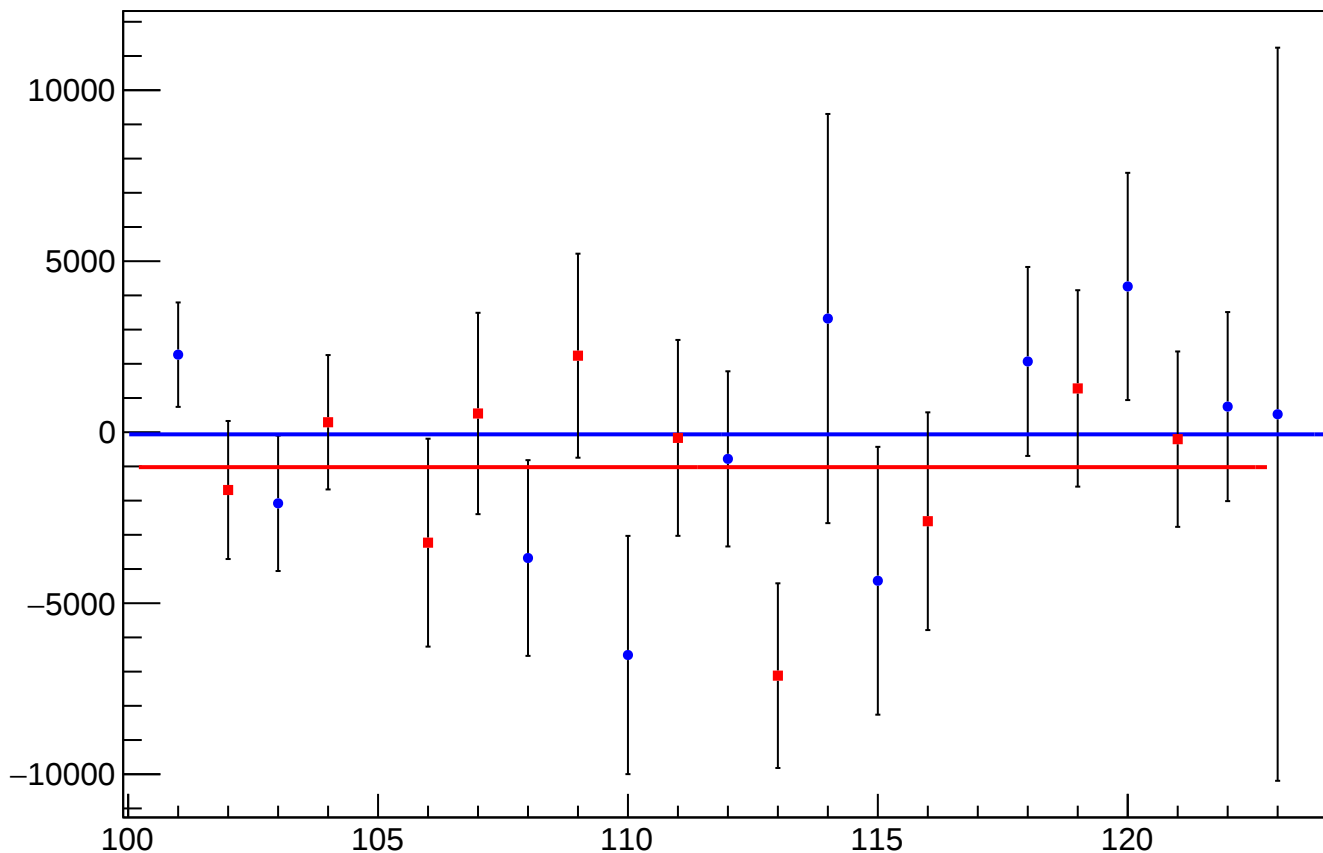
Right: 1108.843+/-0.275  $\chi^2/\text{NDF}$ : 10306.9/20

In: 1102.175+/-0.395  $\chi^2/\text{NDF}$ : 5282.8/10

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

All: 1108.843+/-0.275  $\chi^2/\text{NDF}$ : 10306.9/20

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



Right In: -62.437+/-817.675  $\chi^2/\text{NDF}$ : 12.4/10

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

Right Out: -1021.418+/-824.275  $\chi^2/\text{NDF}$ : 8.7/9

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

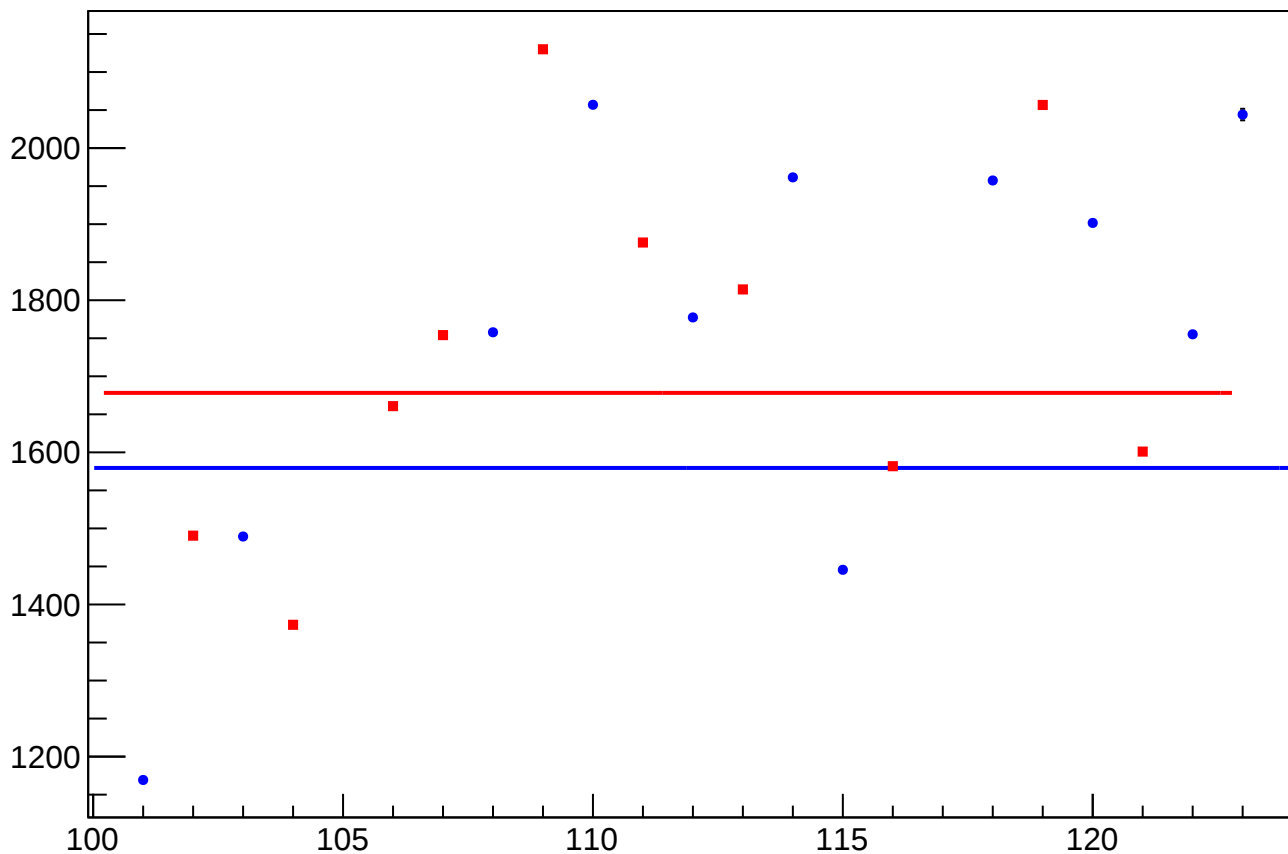
Right: -538.073+/-580.503  $\chi^2/\text{NDF}$ : 21.8/20

In: -62.437+/-817.675  $\chi^2/\text{NDF}$ : 12.4/10

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

All: -538.073+/-580.503  $\chi^2/\text{NDF}$ : 21.8/20

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



Right In: 1579.517+/-0.578  $\chi^2/\text{NDF}$ : 284406.6/10

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

Right Out: 1678.188+/-0.583  $\chi^2/\text{NDF}$ : 165753.4/9

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

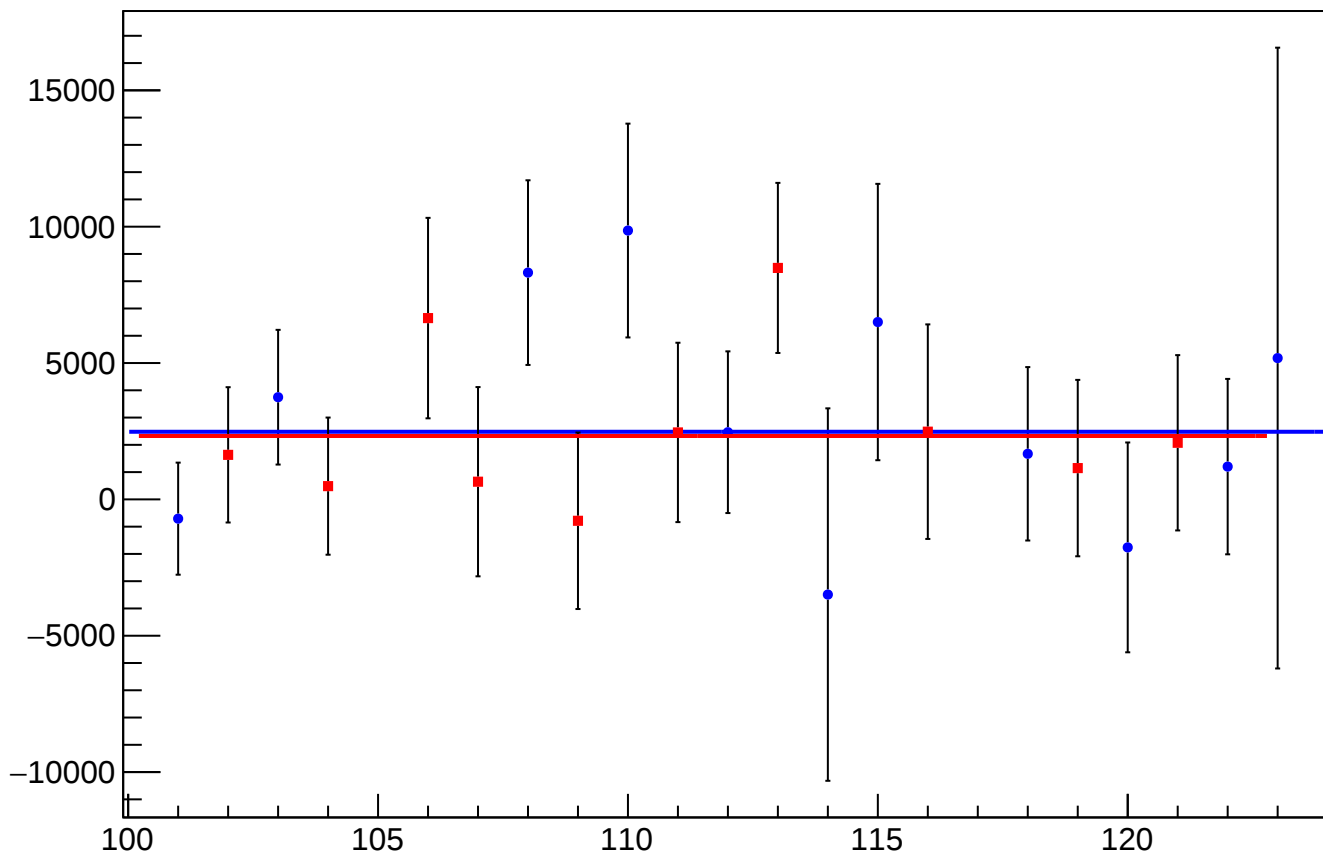
Right: 1628.456+/-0.410  $\chi^2/\text{NDF}$ : 464604.7/20

In: 1579.517+/-0.578  $\chi^2/\text{NDF}$ : 284406.6/10

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

All: 1628.456+/-0.410  $\chi^2/\text{NDF}$ : 464604.7/20

# asym\_usr\_mean vs Slug, Sign Corrected



Right In: 2479.666+/-1000.956  $\chi^2/\text{NDF}$ : 12.1/10

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

Right Out: 2324.598+/-987.498  $\chi^2/\text{NDF}$ : 7.2/9

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

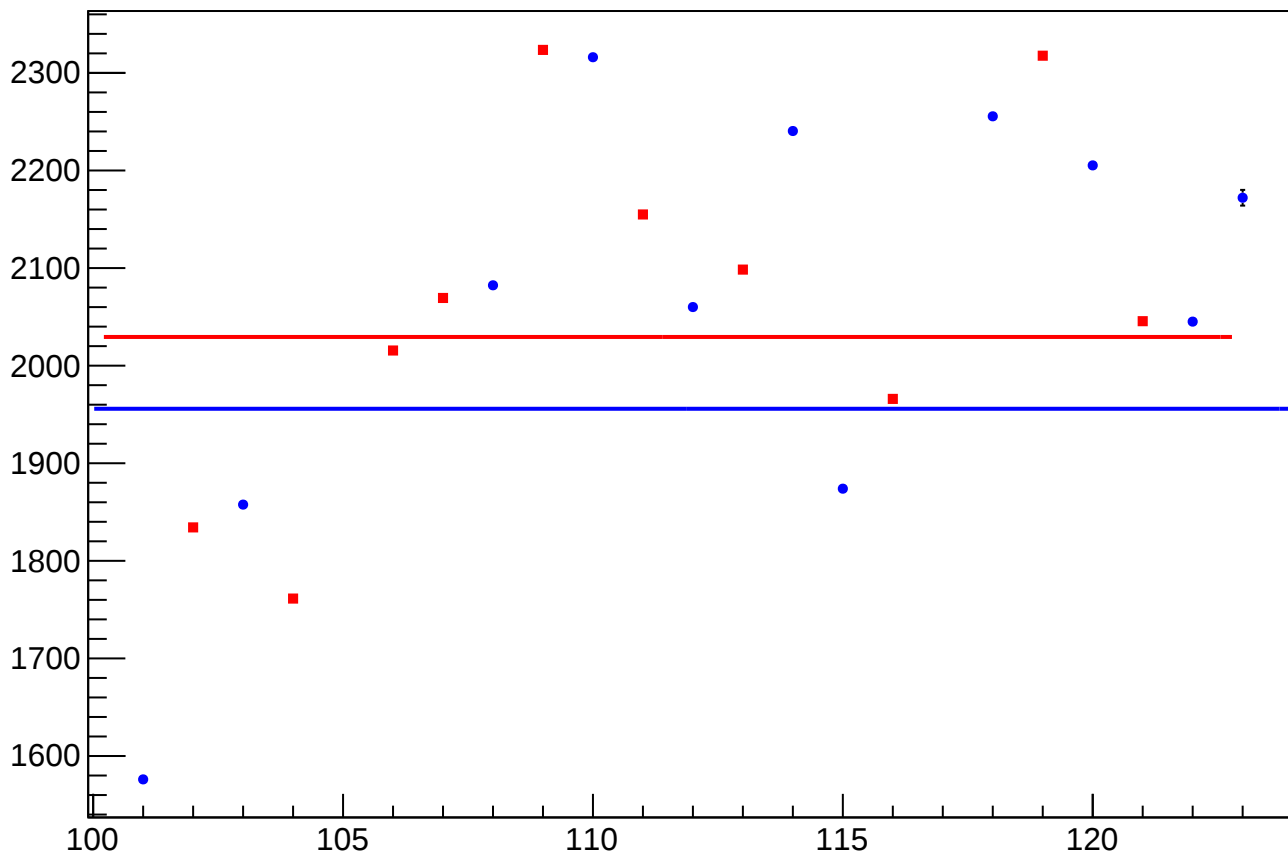
Right: 2401.083+/-702.976  $\chi^2/\text{NDF}$ : 19.3/20

In: 2479.666+/-1000.956  $\chi^2/\text{NDF}$ : 12.1/10

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

All: 2401.083+/-702.976  $\chi^2/\text{NDF}$ : 19.3/20

# asym\_usr\_rms vs Slug, Sign Corrected



Right In: 1955.827 $\pm$ 0.708  $\chi^2$ /NDF: 126068.2/10

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

Right Out: 2029.415 $\pm$ 0.698  $\chi^2$ /NDF: 72273.6/9

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

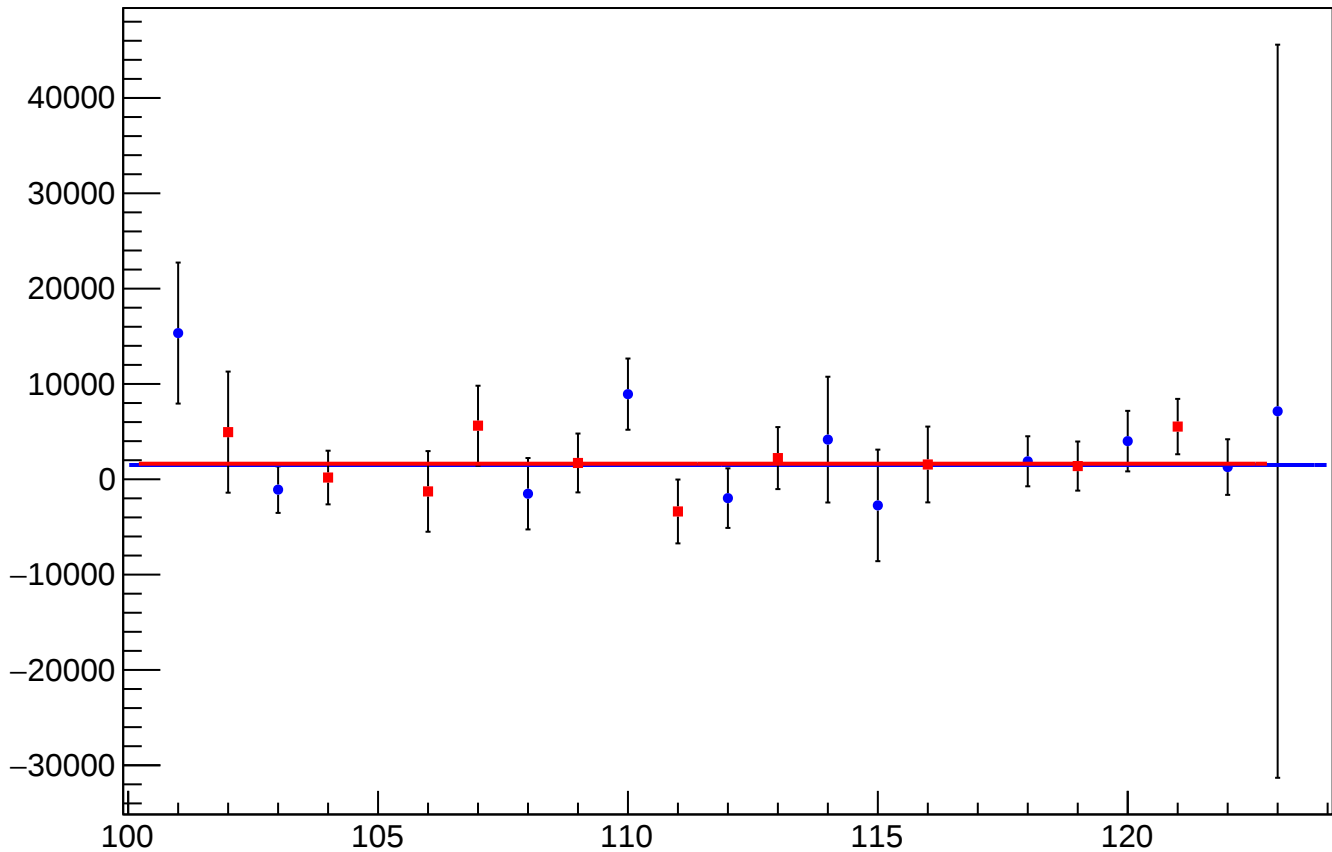
Right: 1993.119 $\pm$ 0.497  $\chi^2$ /NDF: 203819.8/20

In: 1955.827 $\pm$ 0.708  $\chi^2$ /NDF:126068.2/10

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

All: 1993.119 $\pm$ 0.497  $\chi^2$ /NDF: 203819.8/20

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



Right In: 1499.827+/-1086.872  $\chi^2/\text{NDF}$ : 11.8/10

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

Right Out: 1634.275+/-1062.989  $\chi^2/\text{NDF}$ : 6.0/9

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

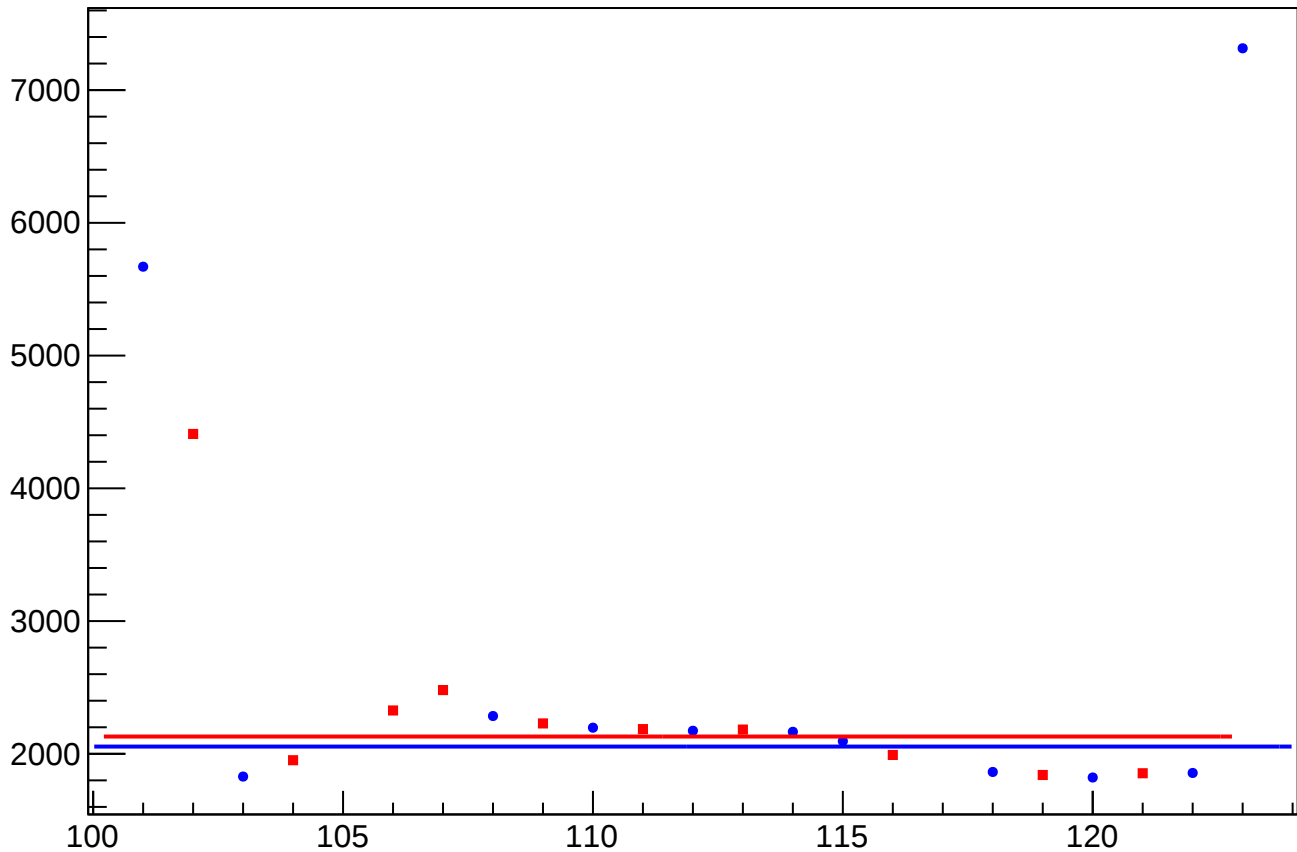
Right: 1568.544+/-759.950  $\chi^2/\text{NDF}$ : 17.8/20

In: 1499.827+/-1086.872  $\chi^2/\text{NDF}$ : 11.8/10

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

All: 1568.544+/-759.950  $\chi^2/\text{NDF}$ : 17.8/20

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



Right In: 2054.618+/-0.769  $\chi^2/\text{NDF}$ : 577118.8/10

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

Right Out: 2130.205+/-0.752  $\chi^2/\text{NDF}$ : 332923.8/9

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

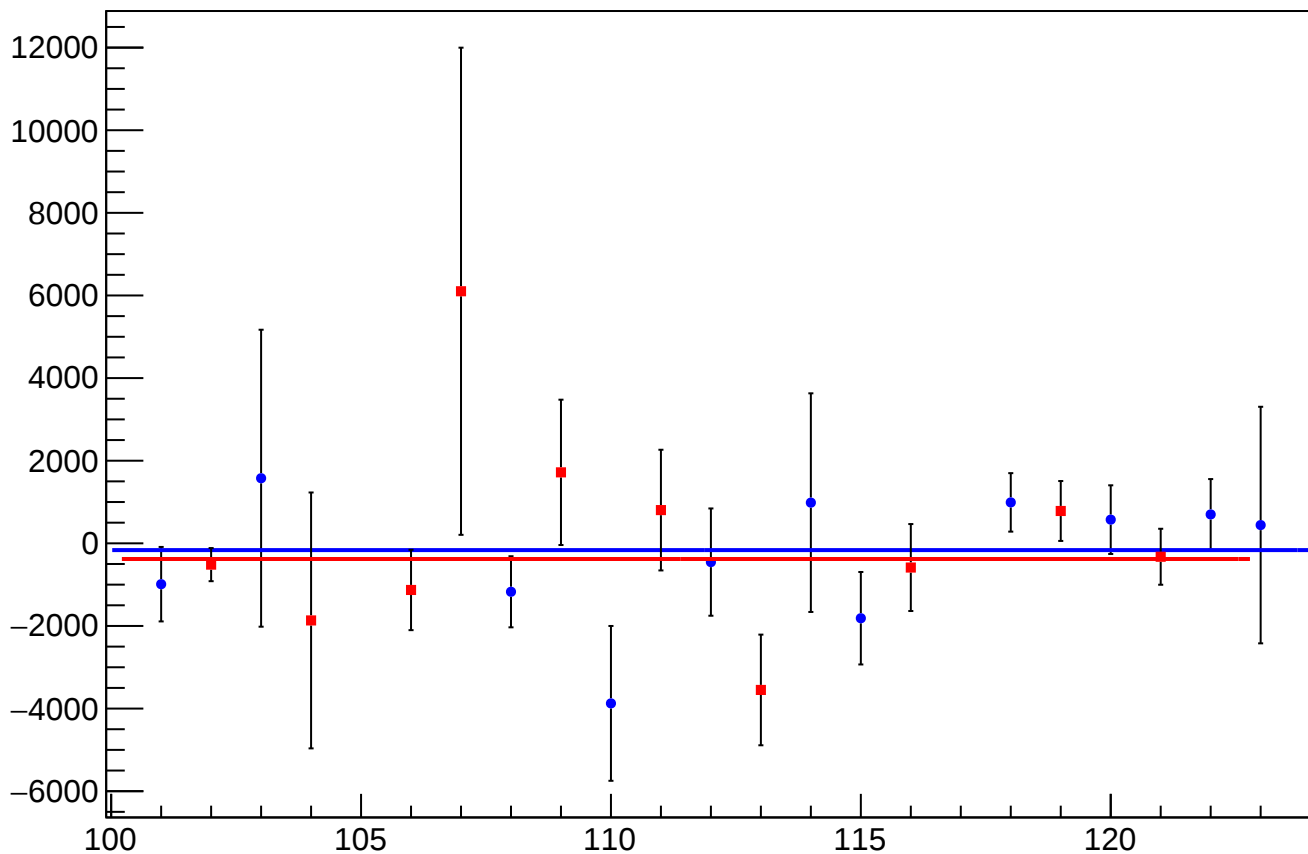
Right: 2093.251+/-0.537  $\chi^2/\text{NDF}$ : 914986.7/20

In: 2054.618+/-0.769  $\chi^2/\text{NDF}$ : 577118.8/10

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

All: 2093.251+/-0.537  $\chi^2/\text{NDF}$ : 914986.7/20

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



Right In: -163.734+/-326.018  $\chi^2/\text{NDF}$ : 13.3/10

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

Right Out: -379.157+/-269.762  $\chi^2/\text{NDF}$ : 12.4/9

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

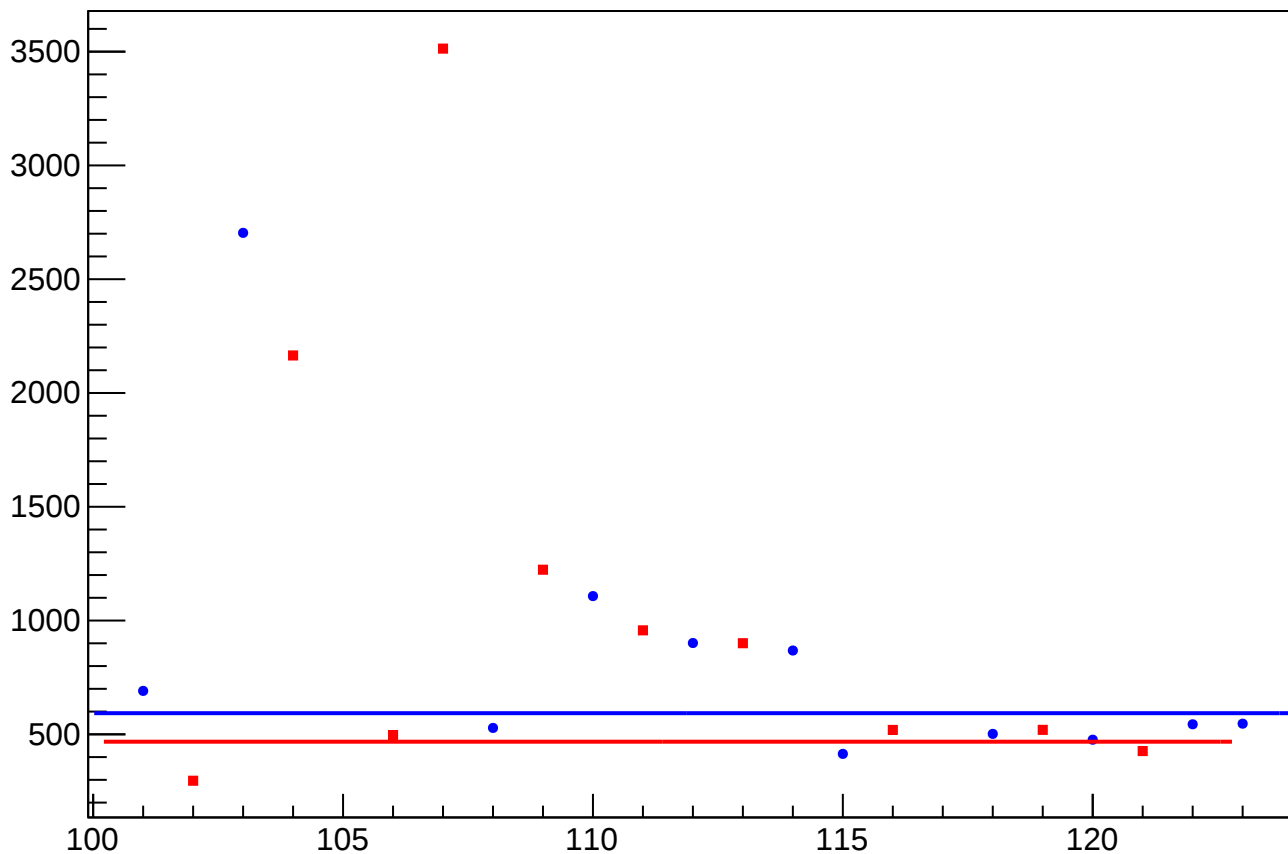
Right: -291.607+/-207.838  $\chi^2/\text{NDF}$ : 26.0/20

In: -163.734+/-326.018  $\chi^2/\text{NDF}$ :13.3/10

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

All: -291.607+/-207.838  $\chi^2/\text{NDF}$ : 26.0/20

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



Right In: 592.937+/-0.231  $\chi^2/\text{NDF}$ : 1140346.4/10

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

Right Out: 467.612+/-0.191  $\chi^2/\text{NDF}$ : 2326953.6/9

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

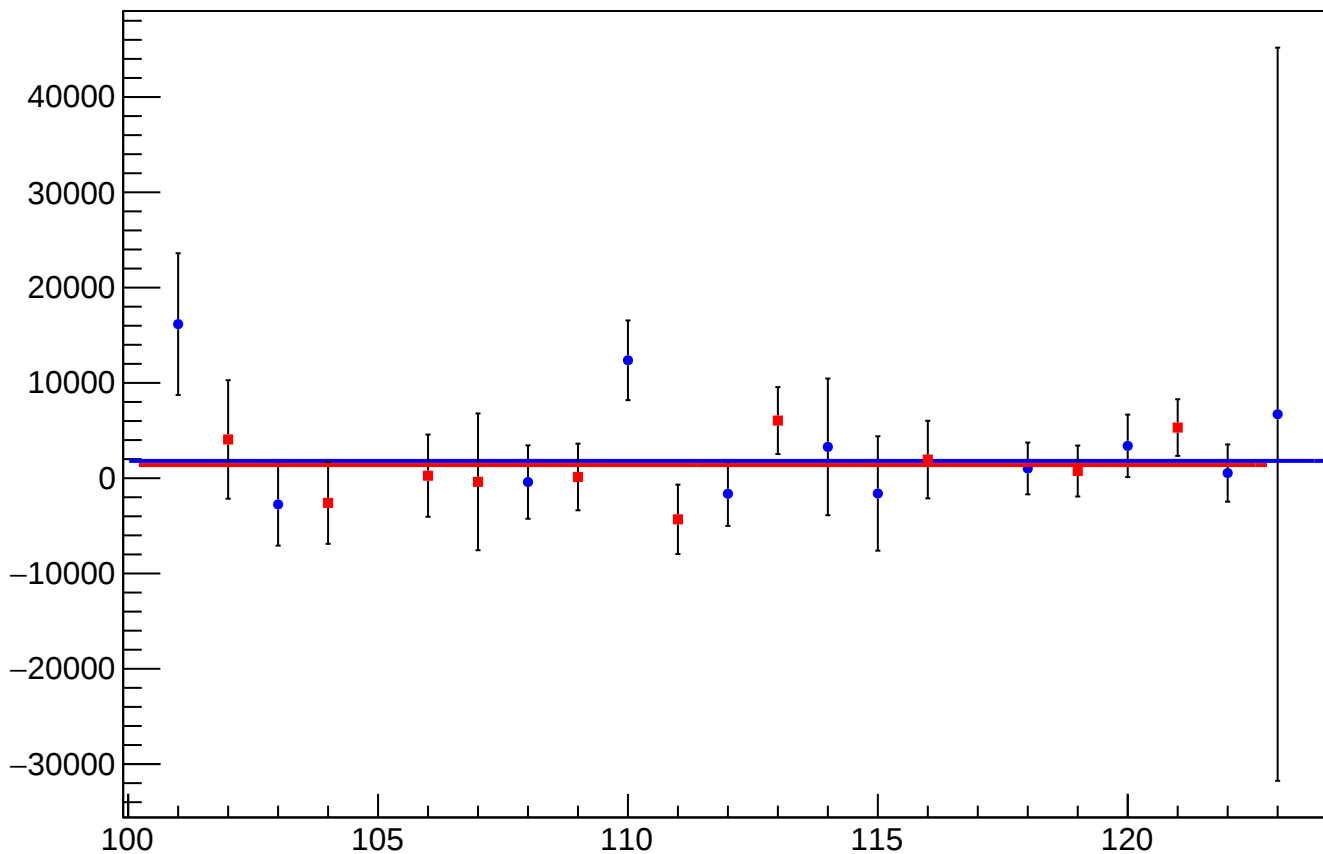
Right: 518.545+/-0.147  $\chi^2/\text{NDF}$ : 3642730.7/20

In: 592.937+/-0.231  $\chi^2/\text{NDF}$ :1140346.4/10

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

All: 518.545+/-0.147  $\chi^2/\text{NDF}$ : 3642730.7/20

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



Right In: 1815.939+/-1220.388  $\chi^2/\text{NDF}$ : 13.5/10

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

Right Out: 1378.610+/-1191.017  $\chi^2/\text{NDF}$ : 7.3/9

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

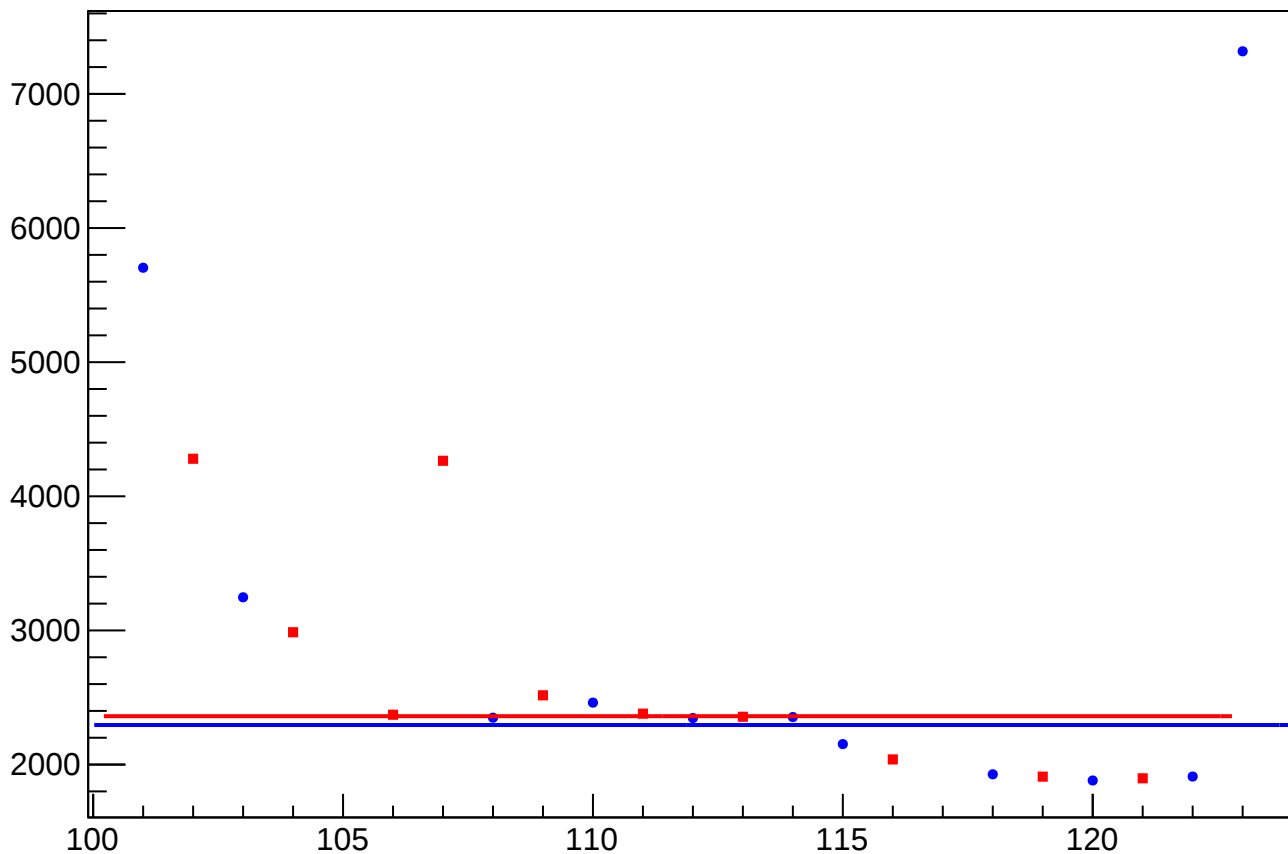
Right: 1591.949+/-852.371  $\chi^2/\text{NDF}$ : 20.9/20

In: 1815.939+/-1220.388  $\chi^2/\text{NDF}$ : 13.5/10

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

All: 1591.949+/-852.371  $\chi^2/\text{NDF}$ : 20.9/20

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



Right In: 2294.907+/-0.863  $\chi^2/\text{NDF}$ : 657405.1/10

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

Right Out: 2360.667+/-0.842  $\chi^2/\text{NDF}$ : 495653.5/9

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

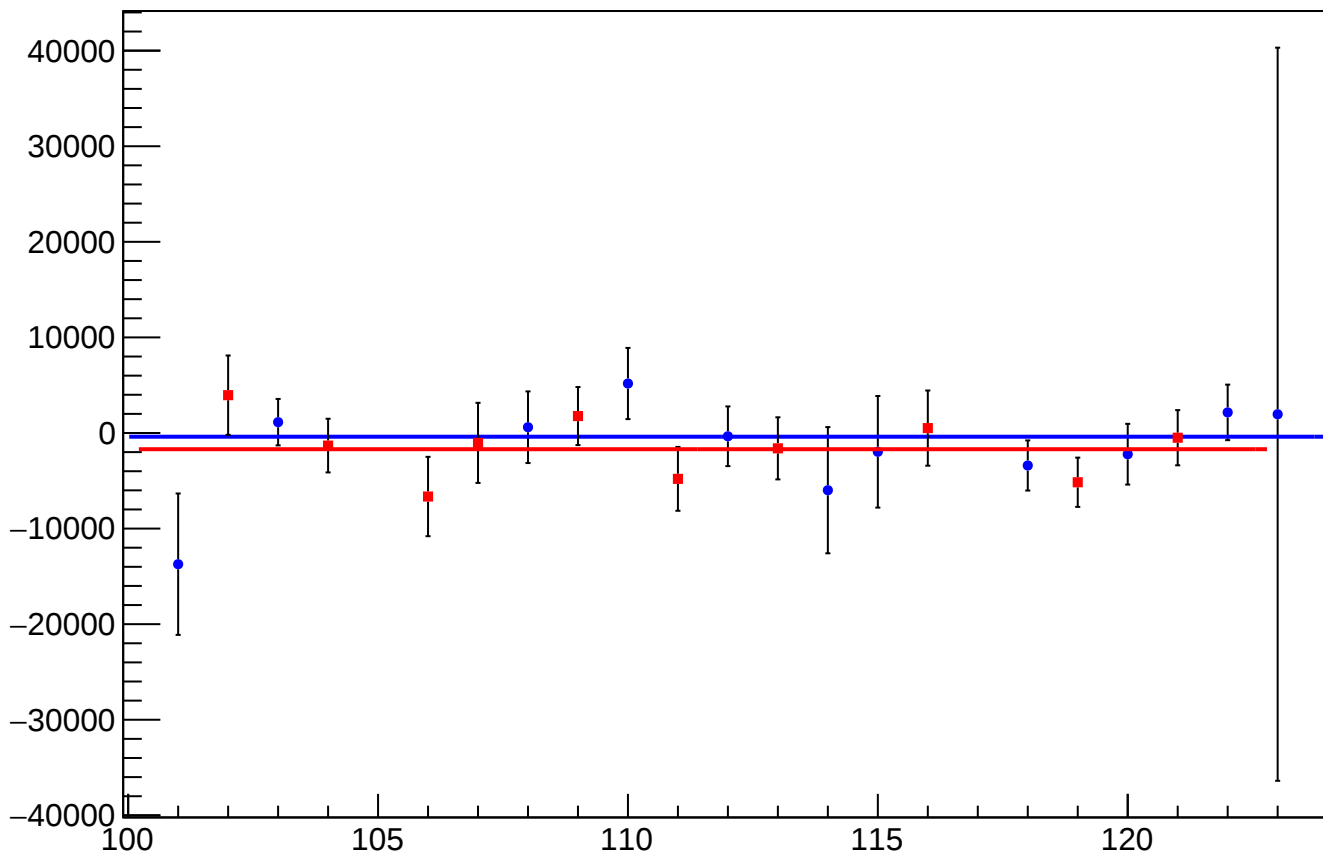
Right: 2328.588+/-0.603  $\chi^2/\text{NDF}$ : 1156032.9/20

In: 2294.907+/-0.863  $\chi^2/\text{NDF}$ : 657405.1/10

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

All: 2328.588+/-0.603  $\chi^2/\text{NDF}$ : 1156032.9/20

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



Right In:  $-388.833 \pm 1084.896$   $\chi^2/\text{NDF}: 9.2/10$

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

Right Out:  $-1696.898 \pm 1038.207$   $\chi^2/\text{NDF}: 7.8/9$

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

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

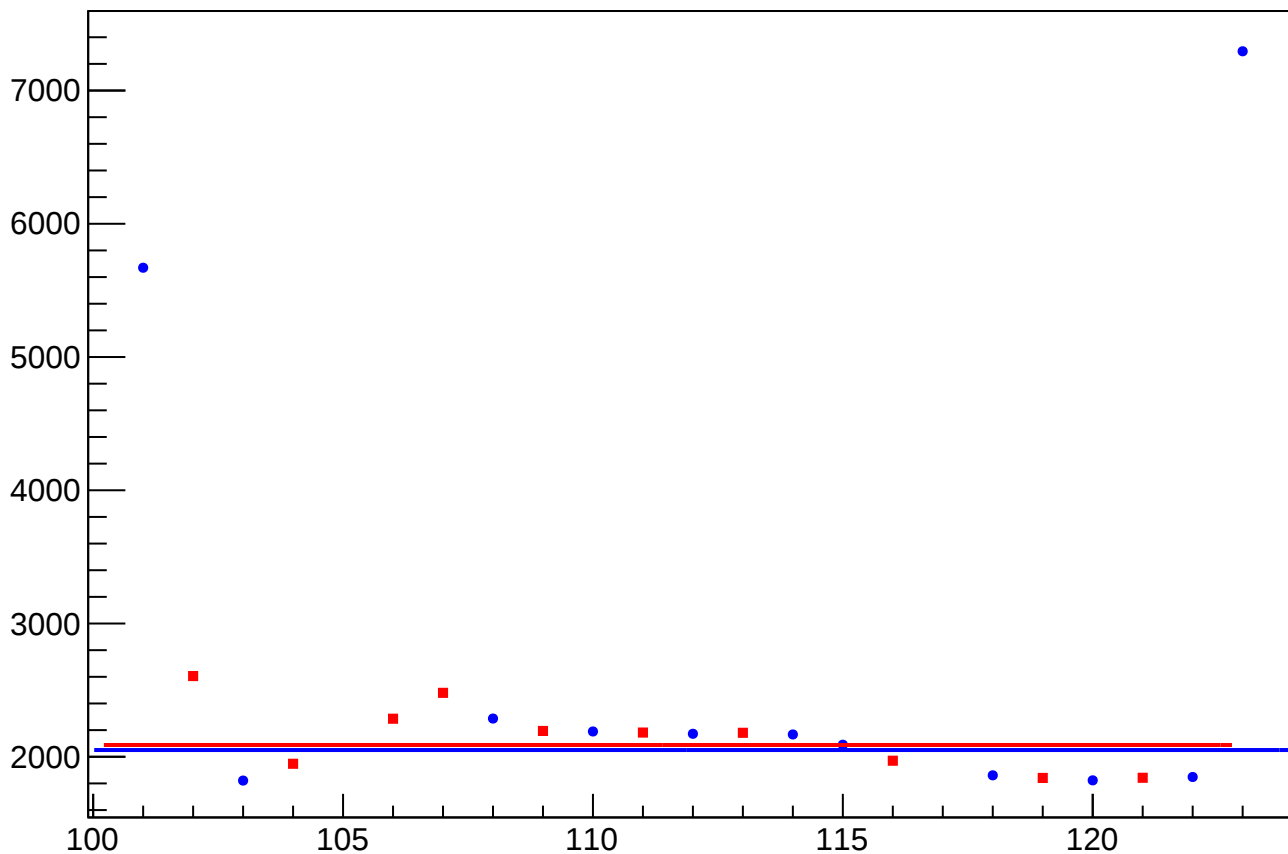
Right:  $-1071.617 \pm 750.086$   $\chi^2/\text{NDF}: 17.7/20$

In:  $-388.833 \pm 1084.896$   $\chi^2/\text{NDF}: 9.2/10$

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

All:  $-1071.617 \pm 750.086$   $\chi^2/\text{NDF}: 17.7/20$

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



Right In: 2050.529+/-0.767  $\chi^2/\text{NDF}$ : 579110.2/10

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

Right Out: 2088.356+/-0.734  $\chi^2/\text{NDF}$ : 98362.3/9

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

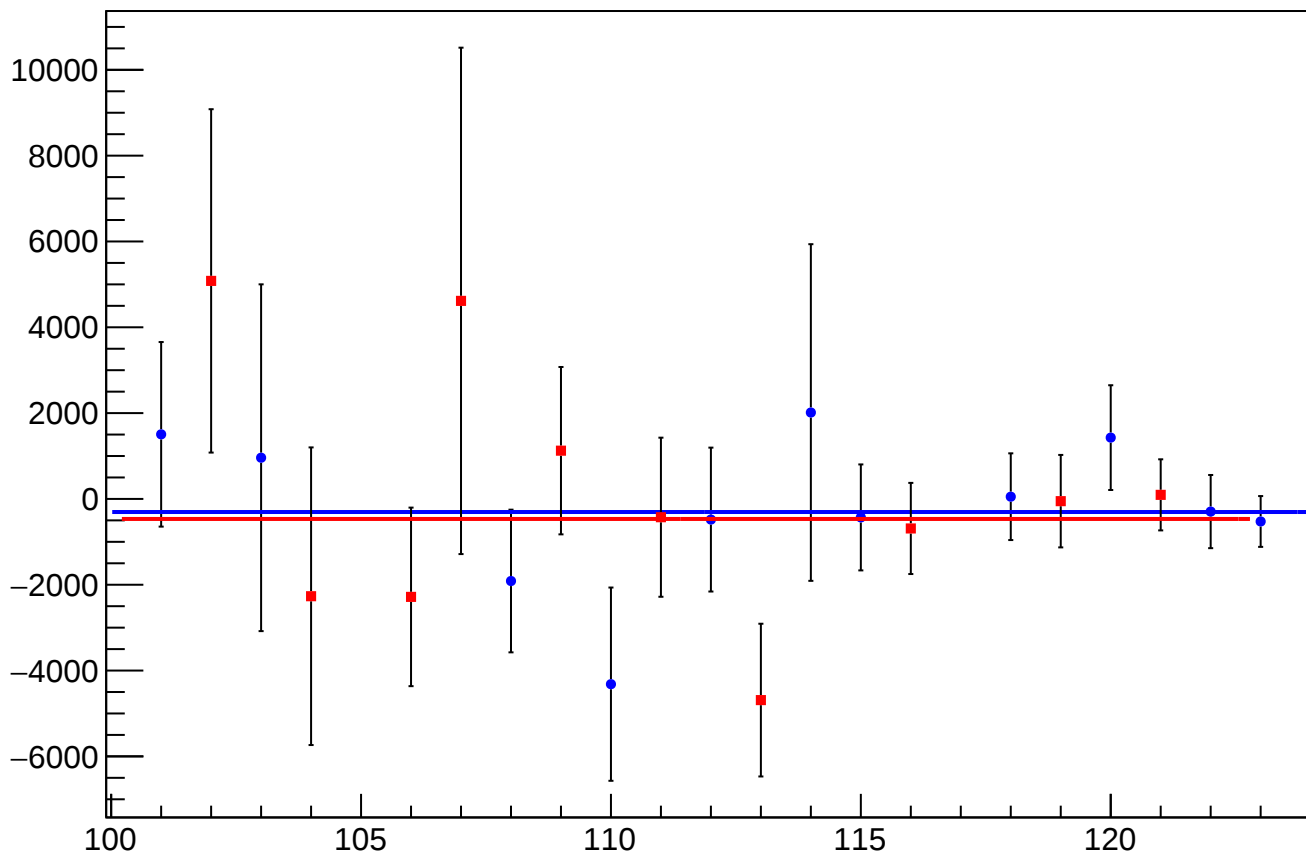
Right: 2070.274+/-0.530  $\chi^2/\text{NDF}$ : 678741.6/20

In: 2050.529+/-0.767  $\chi^2/\text{NDF}$ : 579110.2/10

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

All: 2070.274+/-0.530  $\chi^2/\text{NDF}$ : 678741.6/20

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



Right In: -305.115+/-358.235  $\chi^2/\text{NDF}$ : 7.6/10

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

Right Out: -466.828+/-472.440  $\chi^2/\text{NDF}$ : 10.6/9

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

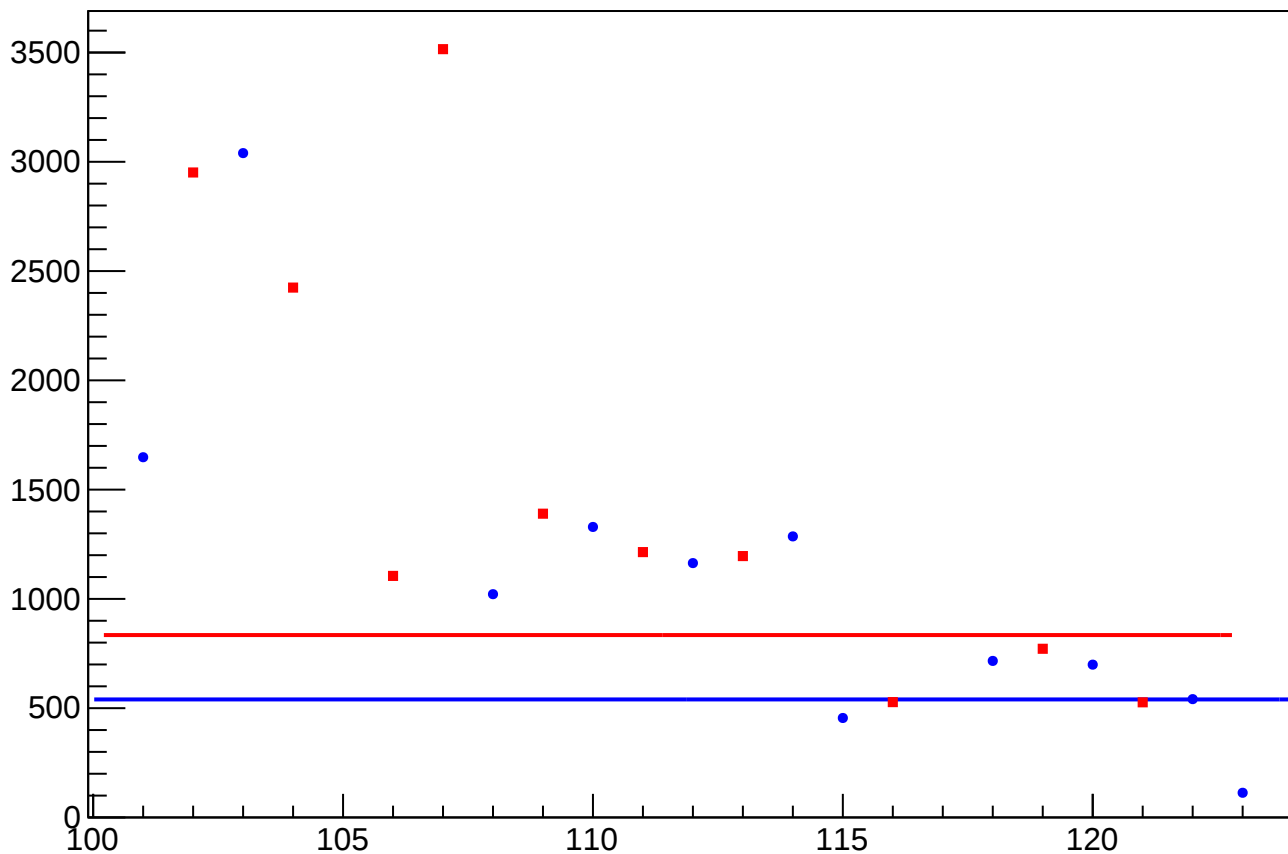
Right: -364.151+/-285.451  $\chi^2/\text{NDF}$ : 18.3/20

In: -305.115+/-358.235  $\chi^2/\text{NDF}$ : 7.6/10

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

All: -364.151+/-285.451  $\chi^2/\text{NDF}$ : 18.3/20

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



Right In: 540.008+/-0.253  $\chi^2/\text{NDF}$ : 3204138.0/10

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

Right Out: 834.543+/-0.334  $\chi^2/\text{NDF}$ : 2204740.0/9

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

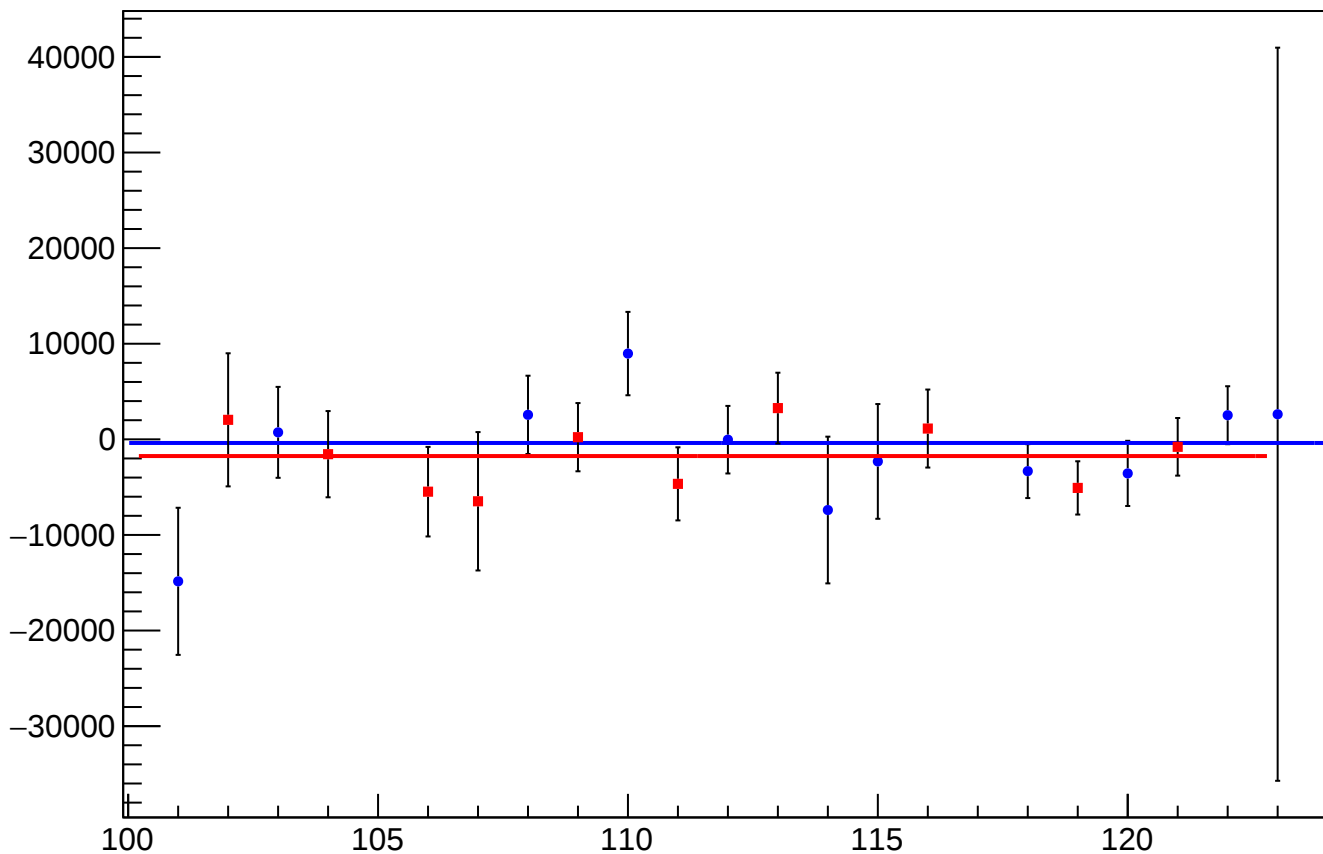
Right: 647.533+/-0.202  $\chi^2/\text{NDF}$ : 5902438.3/20

In: 540.008+/-0.253  $\chi^2/\text{NDF}$ : 3204138.0/10

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

All: 647.533+/-0.202  $\chi^2/\text{NDF}$ : 5902438.3/20

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



Right In:  $-380.239 \pm 1270.293$   $\chi^2/\text{NDF}: 12.5/10$

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

Right Out:  $-1749.119 \pm 1237.132$   $\chi^2/\text{NDF}: 6.1/9$

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

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

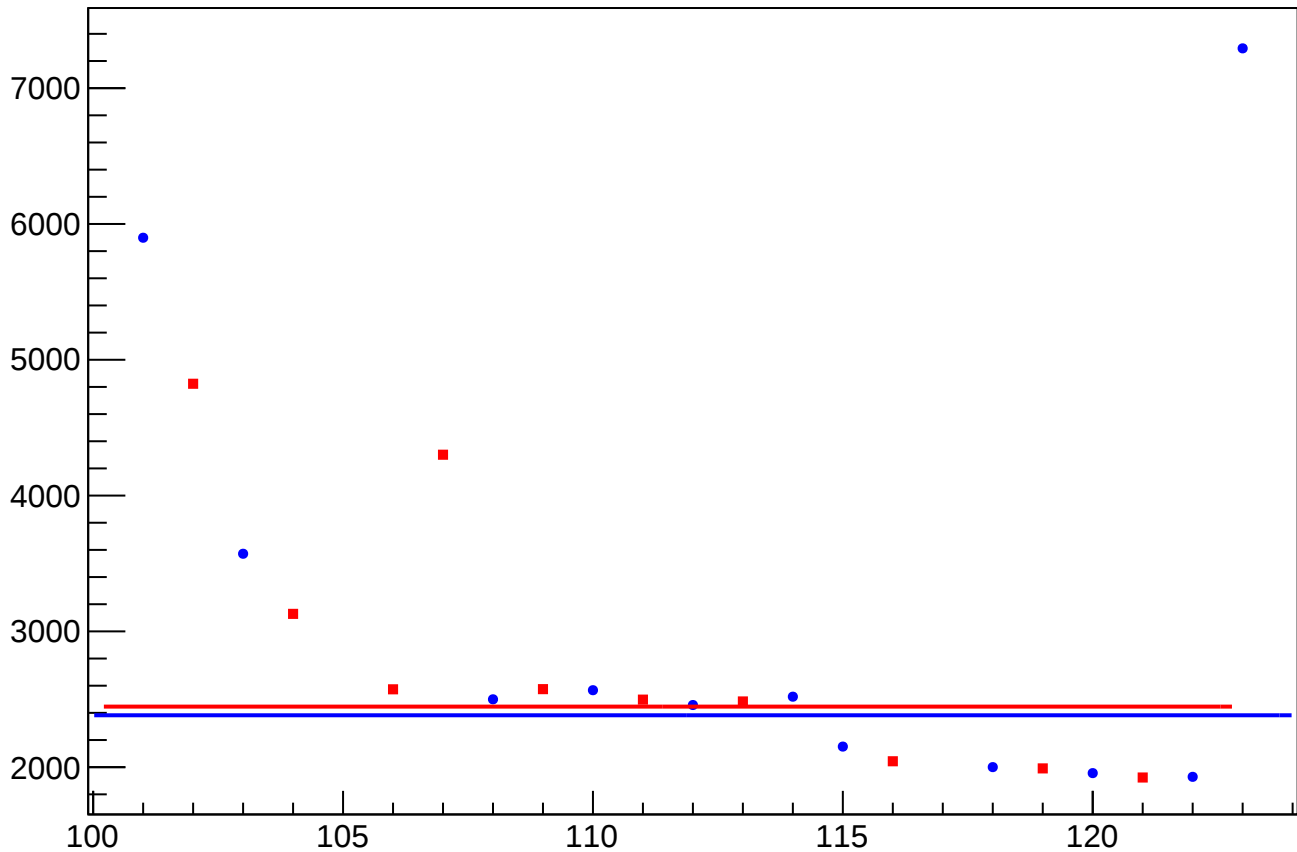
Right:  $-1082.780 \pm 886.276$   $\chi^2/\text{NDF}: 19.3/20$

In:  $-380.239 \pm 1270.293$   $\chi^2/\text{NDF}: 12.5/10$

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

All:  $-1082.780 \pm 886.276$   $\chi^2/\text{NDF}: 19.3/20$

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



Right In: 2382.217+/-0.898  $\chi^2/\text{NDF}$ : 698127.9/10

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

Right Out: 2446.047+/-0.875  $\chi^2/\text{NDF}$ : 547985.5/9

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

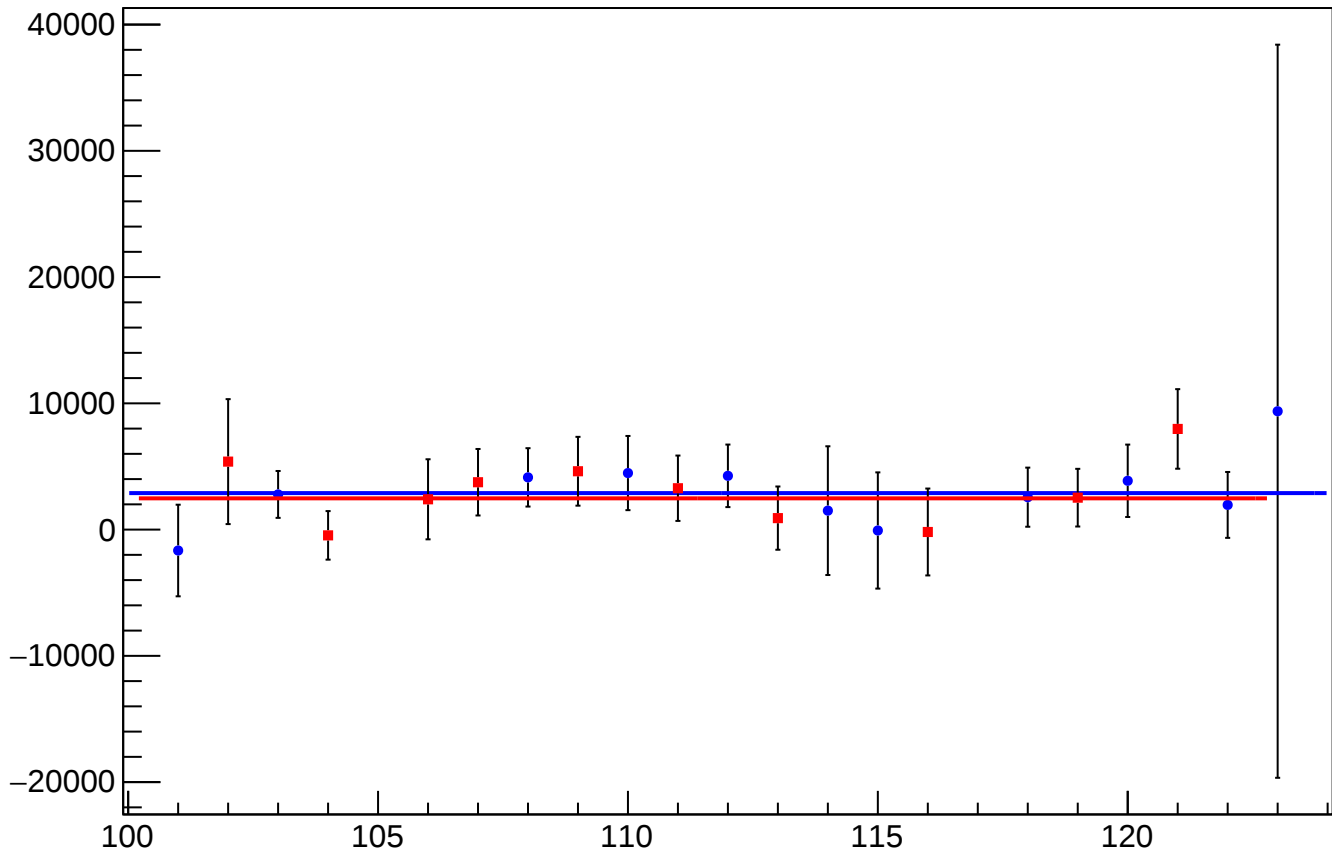
Right: 2414.976+/-0.627  $\chi^2/\text{NDF}$ : 1248705.1/20

In: 2382.217+/-0.898  $\chi^2/\text{NDF}$ : 698127.9/10

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

All: 2414.976+/-0.627  $\chi^2/\text{NDF}$ : 1248705.1/20

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



Right In: 2891.352+/-854.382  $\chi^2/\text{NDF}$ : 3.3/10

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

Right Out: 2475.382+/-852.819  $\chi^2/\text{NDF}$ : 7.7/9

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

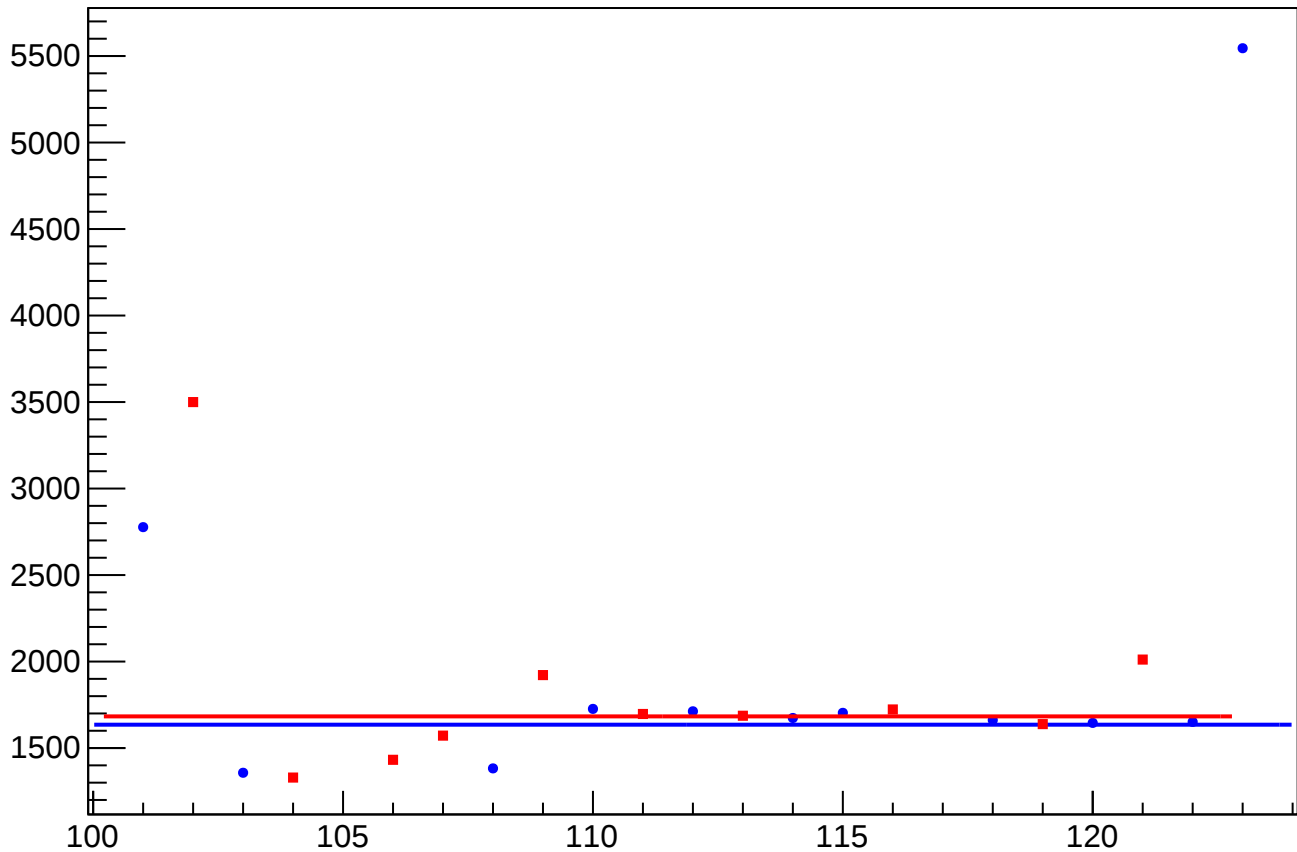
Right: 2682.986+/-603.586  $\chi^2/\text{NDF}$ : 11.0/20

In: 2891.352+/-854.382  $\chi^2/\text{NDF}$ : 3.3/10

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

All: 2682.986+/-603.586  $\chi^2/\text{NDF}$ : 11.0/20

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



Right In: 1635.055+/-0.604  $\chi^2/\text{NDF}$ : 307859.8/10

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

Right Out: 1683.077+/-0.603  $\chi^2/\text{NDF}$ : 391599.1/9

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

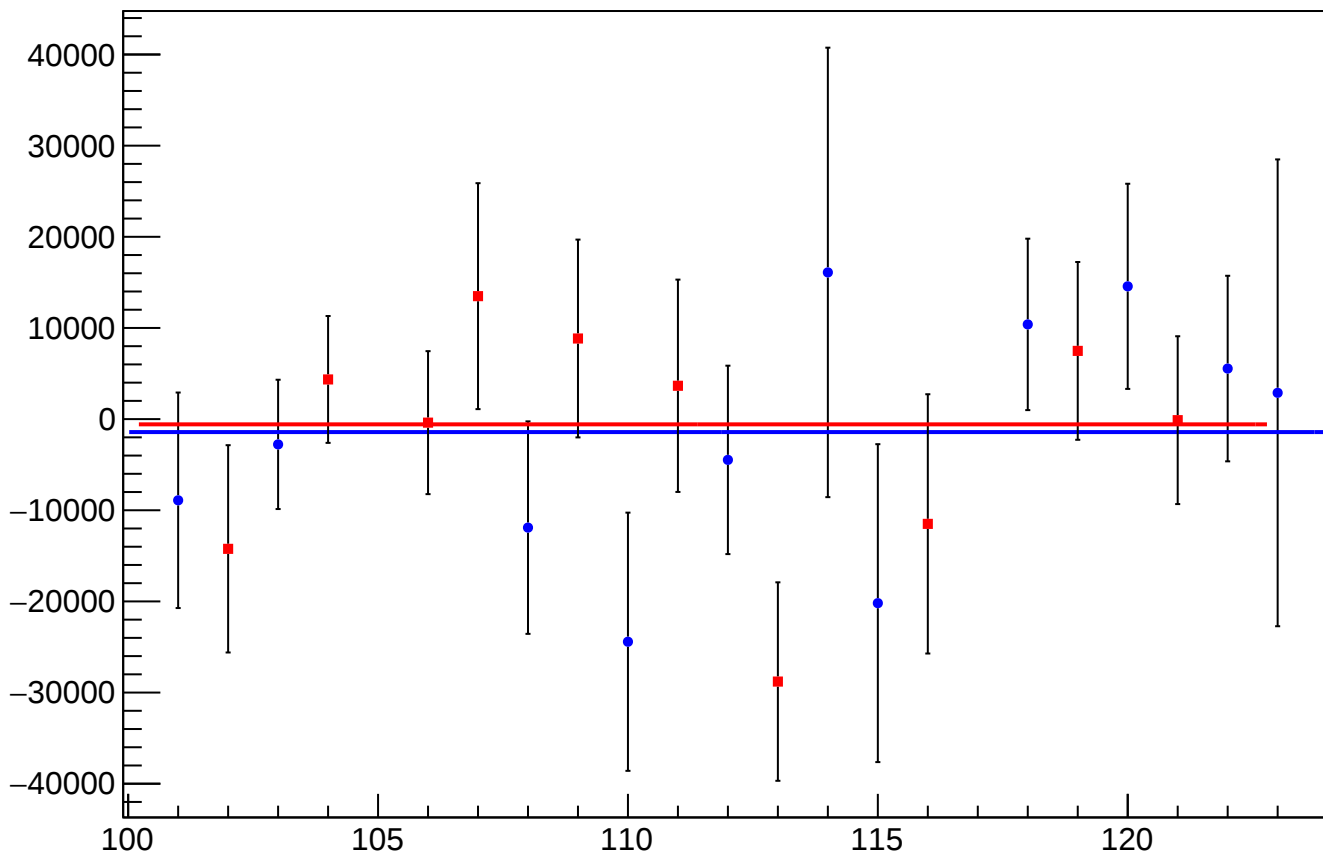
Right: 1659.120+/-0.427  $\chi^2/\text{NDF}$ : 702625.1/20

In: 1635.055+/-0.604  $\chi^2/\text{NDF}$ :307859.8/10

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

All: 1659.120+/-0.427  $\chi^2/\text{NDF}$ : 702625.1/20

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



Right In: -1422.651+/-3449.112  $\chi^2/\text{NDF}$ : 9.7/10

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

Right Out: -574.648+/-3120.242  $\chi^2/\text{NDF}$ : 12.1/9

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

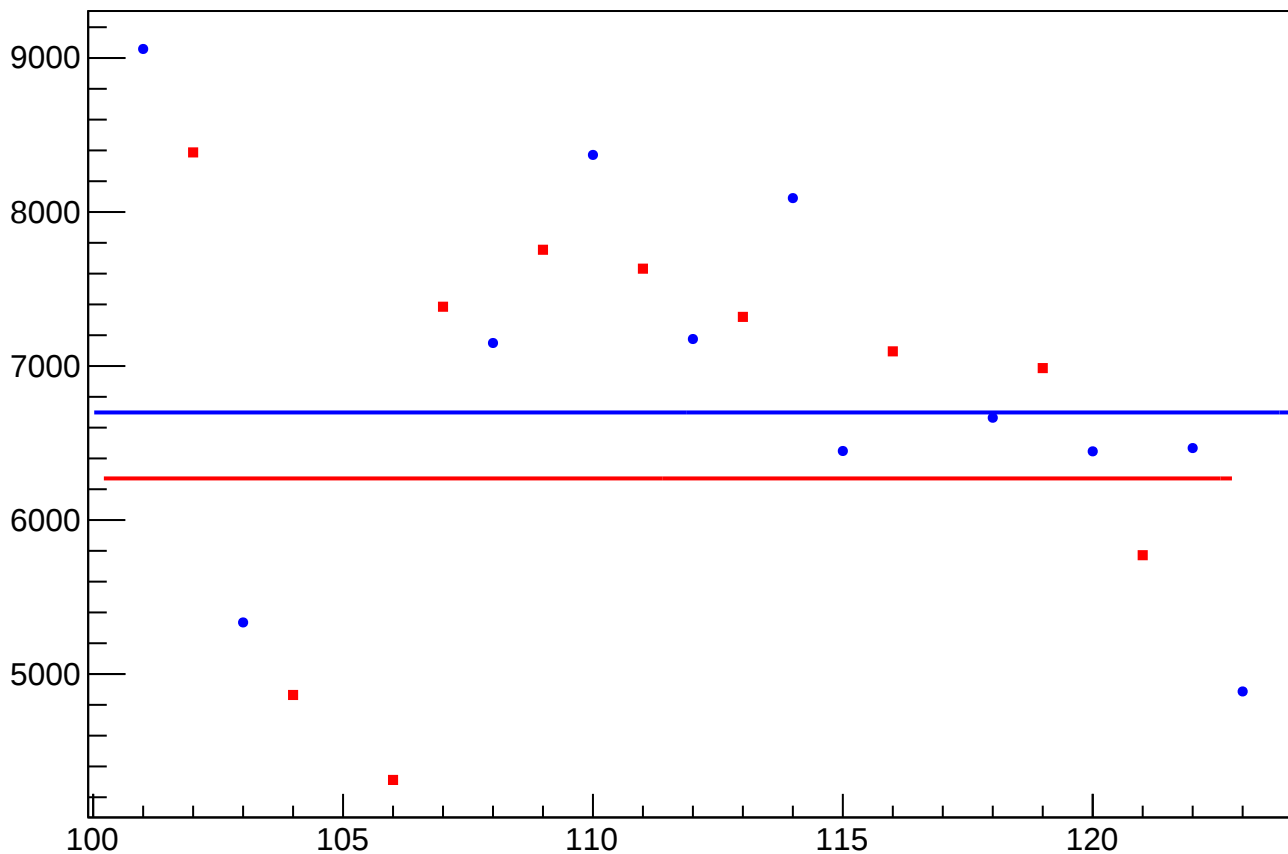
Right: -956.304+/-2313.899  $\chi^2/\text{NDF}$ : 21.9/20

In: -1422.651+/-3449.112  $\chi^2/\text{NDF}$ : 9.7/10

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

All: -956.304+/-2313.899  $\chi^2/\text{NDF}$ : 21.9/20

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



Right In: 6698.518+/-2.439  $\chi^2/\text{NDF}$ : 207629.5/10

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

Right Out: 6270.135+/-2.206  $\chi^2/\text{NDF}$ : 398538.1/9

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

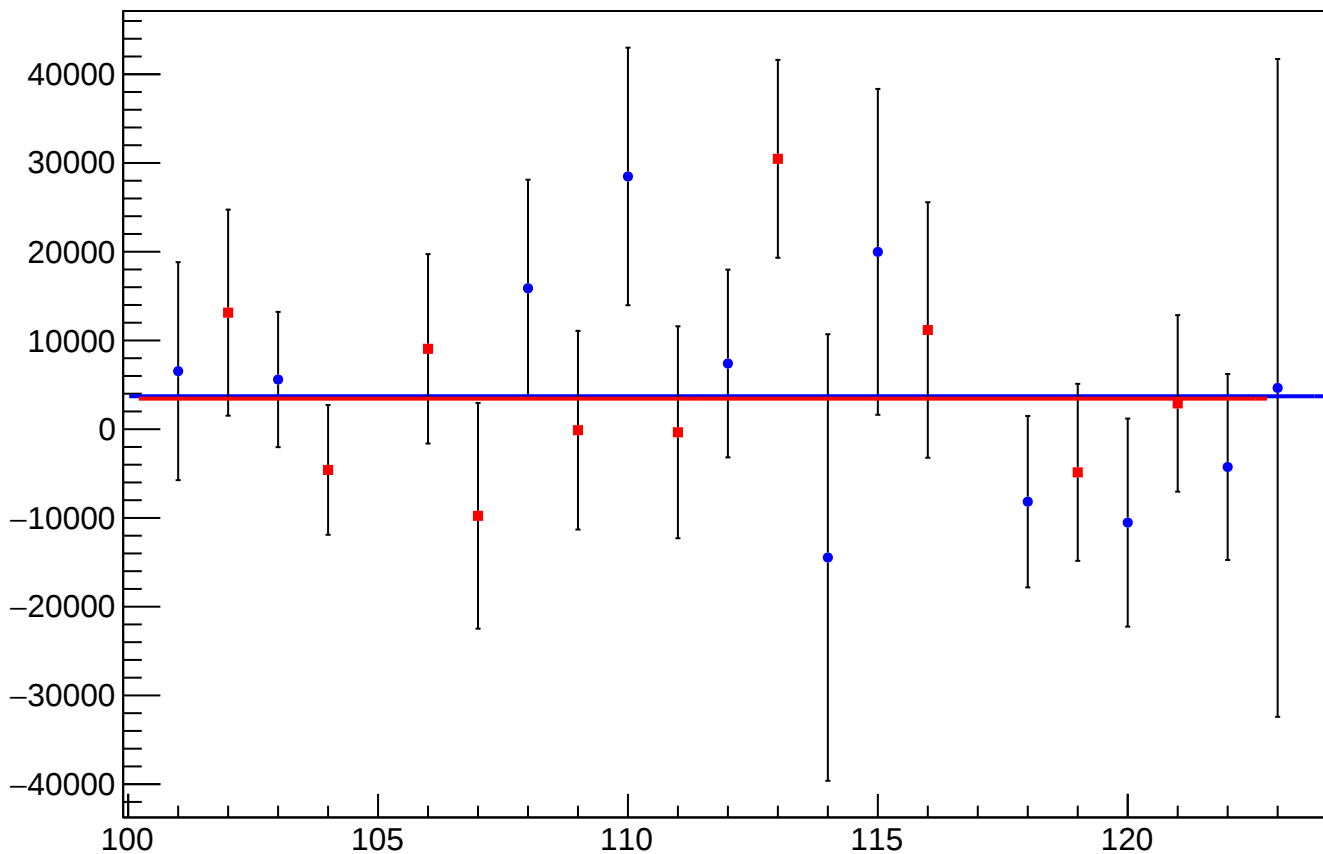
Right: 6462.934+/-1.636  $\chi^2/\text{NDF}$ : 623134.0/20

In: 6698.518+/-2.439  $\chi^2/\text{NDF}$ : 207629.5/10

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

All: 6462.934+/-1.636  $\chi^2/\text{NDF}$ : 623134.0/20

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



Right In: 3712.083+/-3613.355  $\chi^2/\text{NDF}$ : 9.0/10

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

Right Out: 3445.146+/-3349.763  $\chi^2/\text{NDF}$ : 10.3/9

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

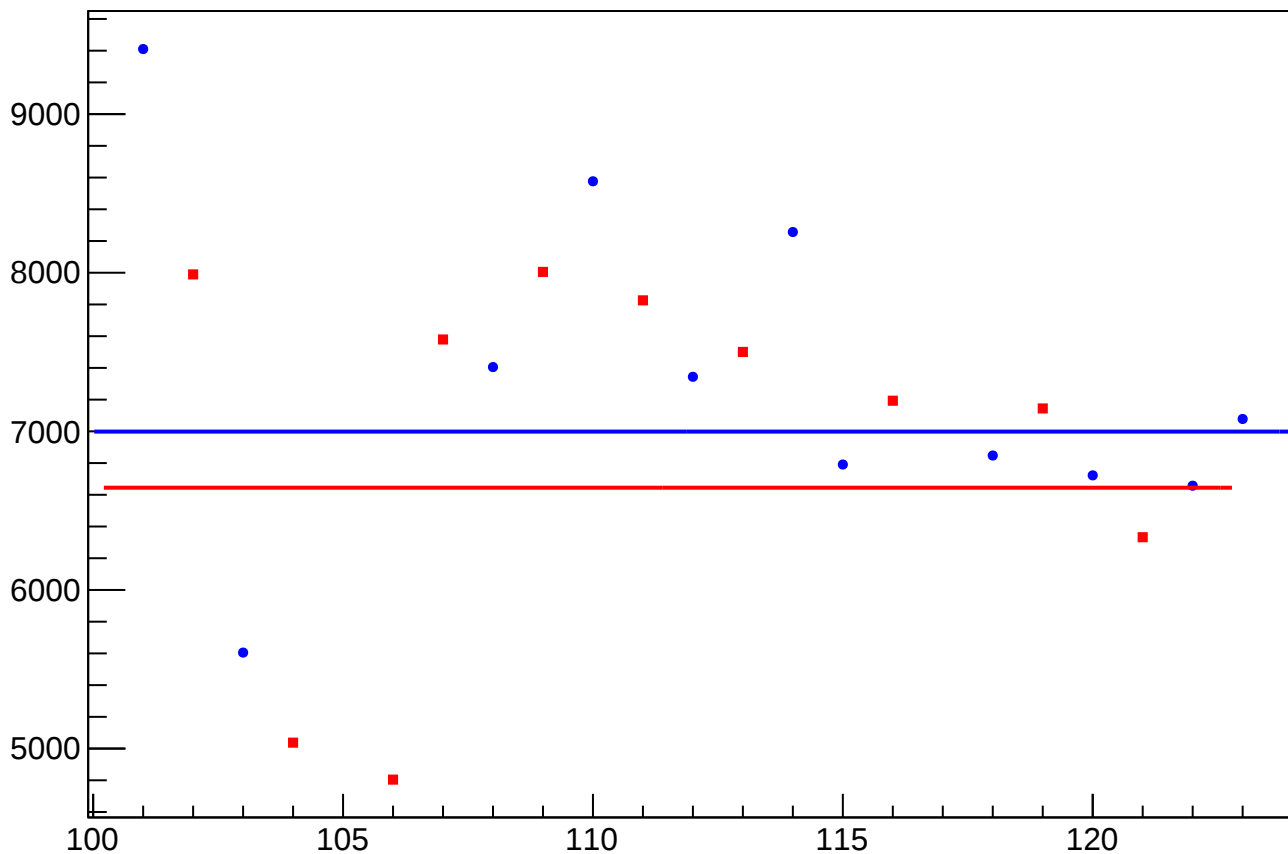
Right: 3568.524+/-2456.546  $\chi^2/\text{NDF}$ : 19.3/20

In: 3712.083+/-3613.355  $\chi^2/\text{NDF}$ : 9.0/10

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

All: 3568.524+/-2456.546  $\chi^2/\text{NDF}$ : 19.3/20

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



Right In: 6998.443+/-2.555  $\chi^2/\text{NDF}$ : 180970.3/10

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

Right Out: 6644.615+/-2.368  $\chi^2/\text{NDF}$ : 264838.6/9

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

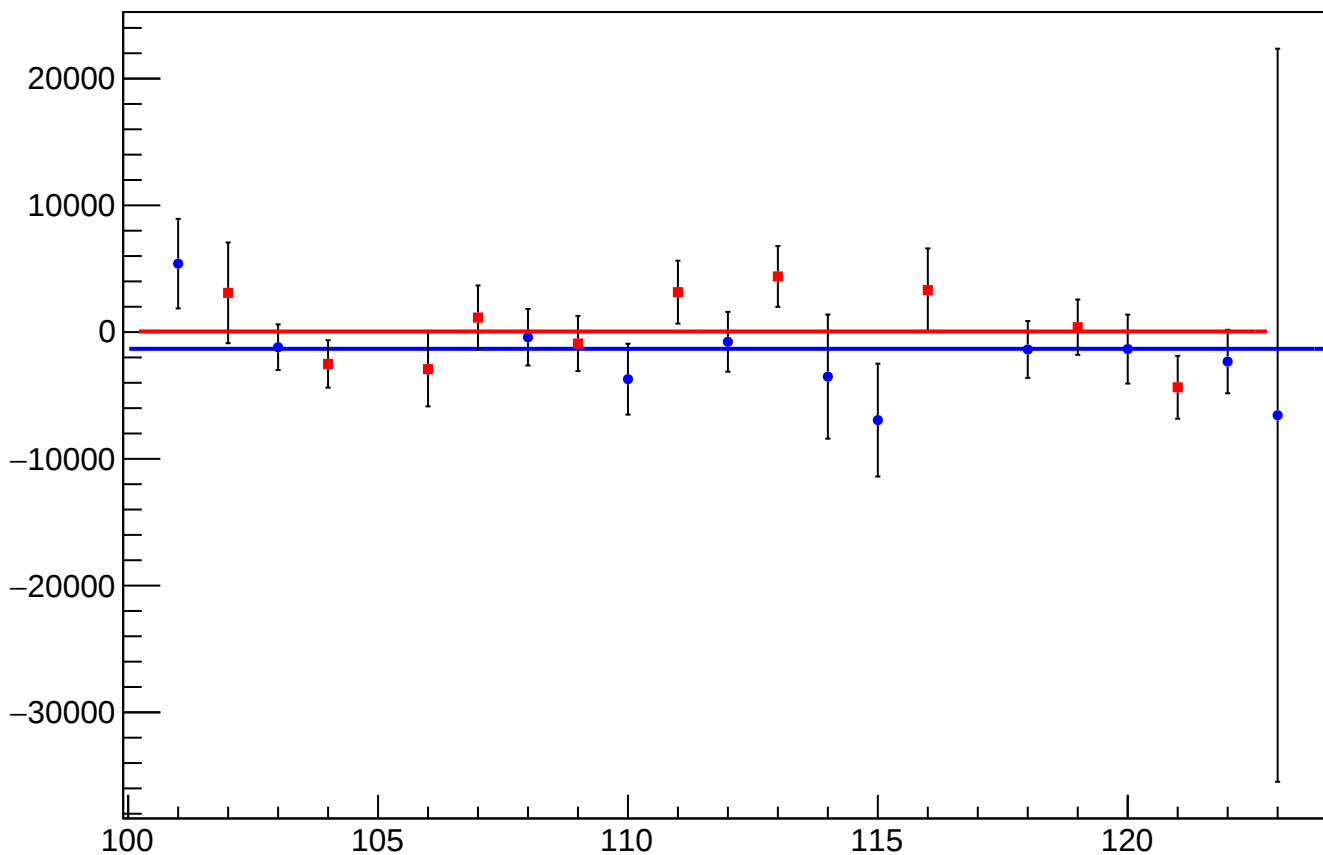
Right: 6808.128+/-1.737  $\chi^2/\text{NDF}$ : 456124.8/20

In: 6998.443+/-2.555  $\chi^2/\text{NDF}$ : 180970.3/10

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

All: 6808.128+/-1.737  $\chi^2/\text{NDF}$ : 456124.8/20

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



Right In: -1319.293+/-820.885  $\chi^2/\text{NDF}$ : 6.6/10

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

Right Out: 51.372+/-782.493  $\chi^2/\text{NDF}$ : 12.9/9

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

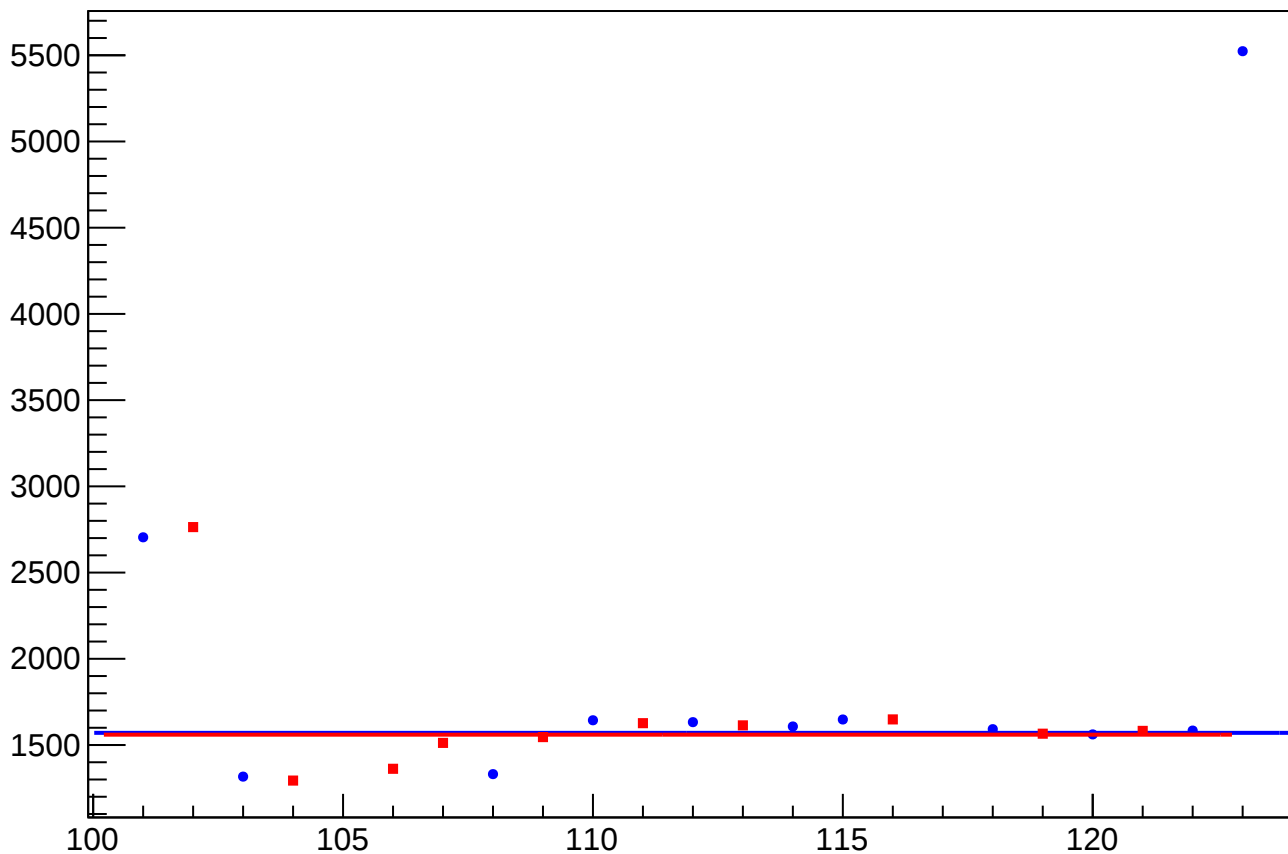
Right: -601.159+/-566.392  $\chi^2/\text{NDF}$ : 20.9/20

In: -1319.293+/-820.885  $\chi^2/\text{NDF}$ : 6.6/10

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

All: -601.159+/-566.392  $\chi^2/\text{NDF}$ : 20.9/20

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



Right In: 1570.588+/-0.580  $\chi^2/\text{NDF}$ : 309896.0/10

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

Right Out: 1559.983+/-0.553  $\chi^2/\text{NDF}$ : 237849.8/9

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

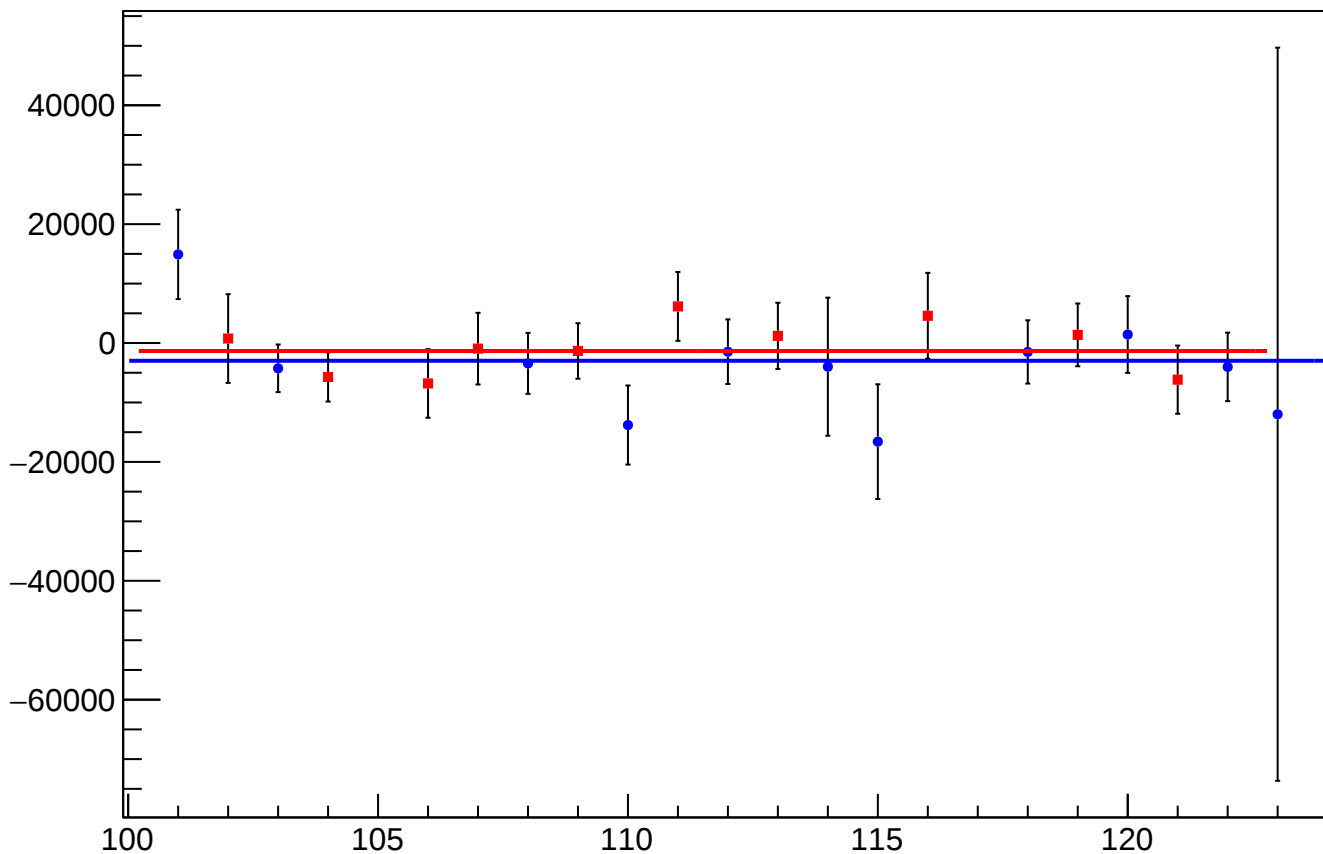
Right: 1565.032+/-0.400  $\chi^2/\text{NDF}$ : 547920.7/20

In: 1570.588+/-0.580  $\chi^2/\text{NDF}$ : 309896.0/10

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

All: 1565.032+/-0.400  $\chi^2/\text{NDF}$ : 547920.7/20

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



Right In: -2984.218+/-1881.931  $\chi^2/\text{NDF}$ : 11.1/10

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

Right Out: -1340.953+/-1747.665  $\chi^2/\text{NDF}$ : 5.6/9

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

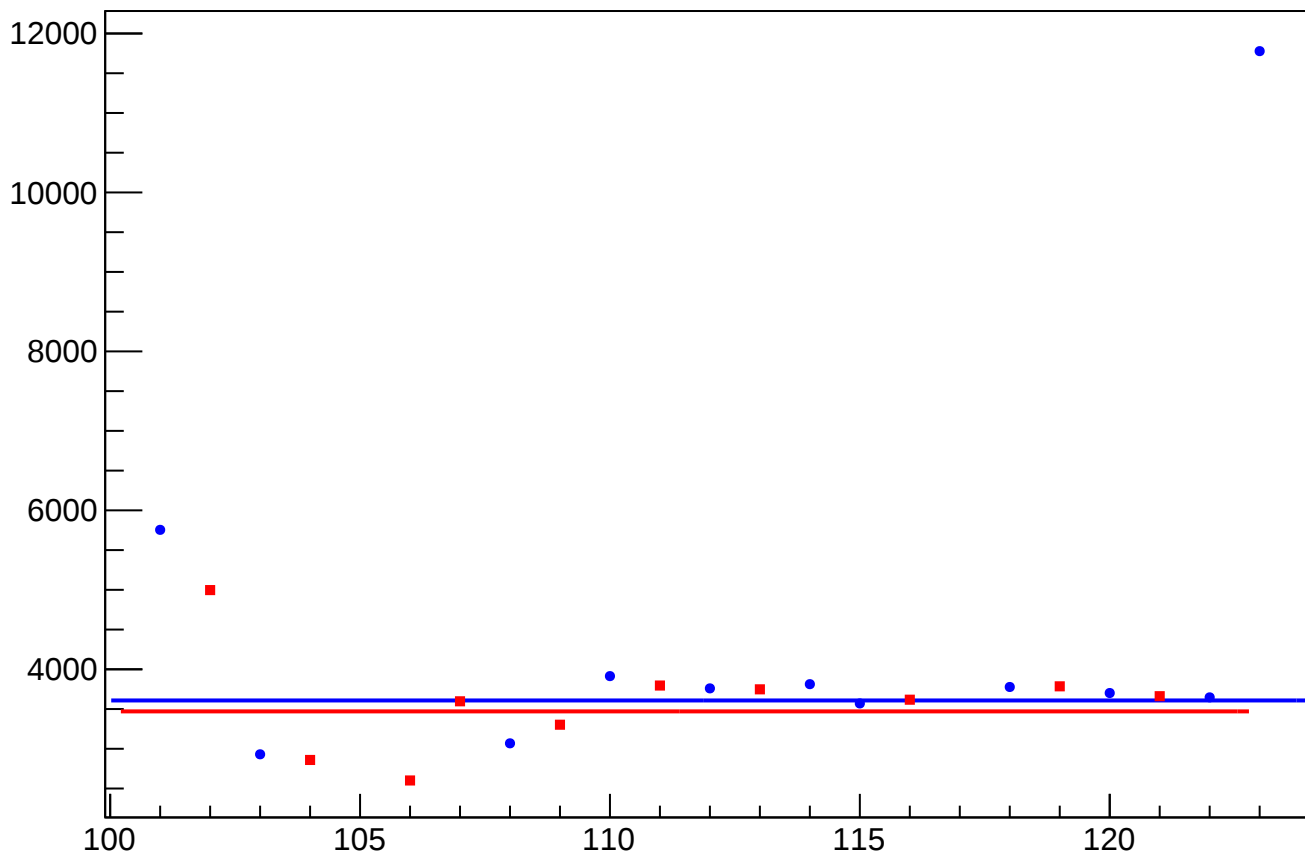
Right: -2101.881+/-1280.624  $\chi^2/\text{NDF}$ : 17.1/20

In: -2984.218+/-1881.931  $\chi^2/\text{NDF}$ : 11.1/10

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

All: -2101.881+/-1280.624  $\chi^2/\text{NDF}$ : 17.1/20

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



Right In: 3608.010+/-1.331  $\chi^2$ /NDF: 286556.4/10

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

Right Out: 3470.431+/-1.236  $\chi^2$ /NDF: 197710.5/9

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

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

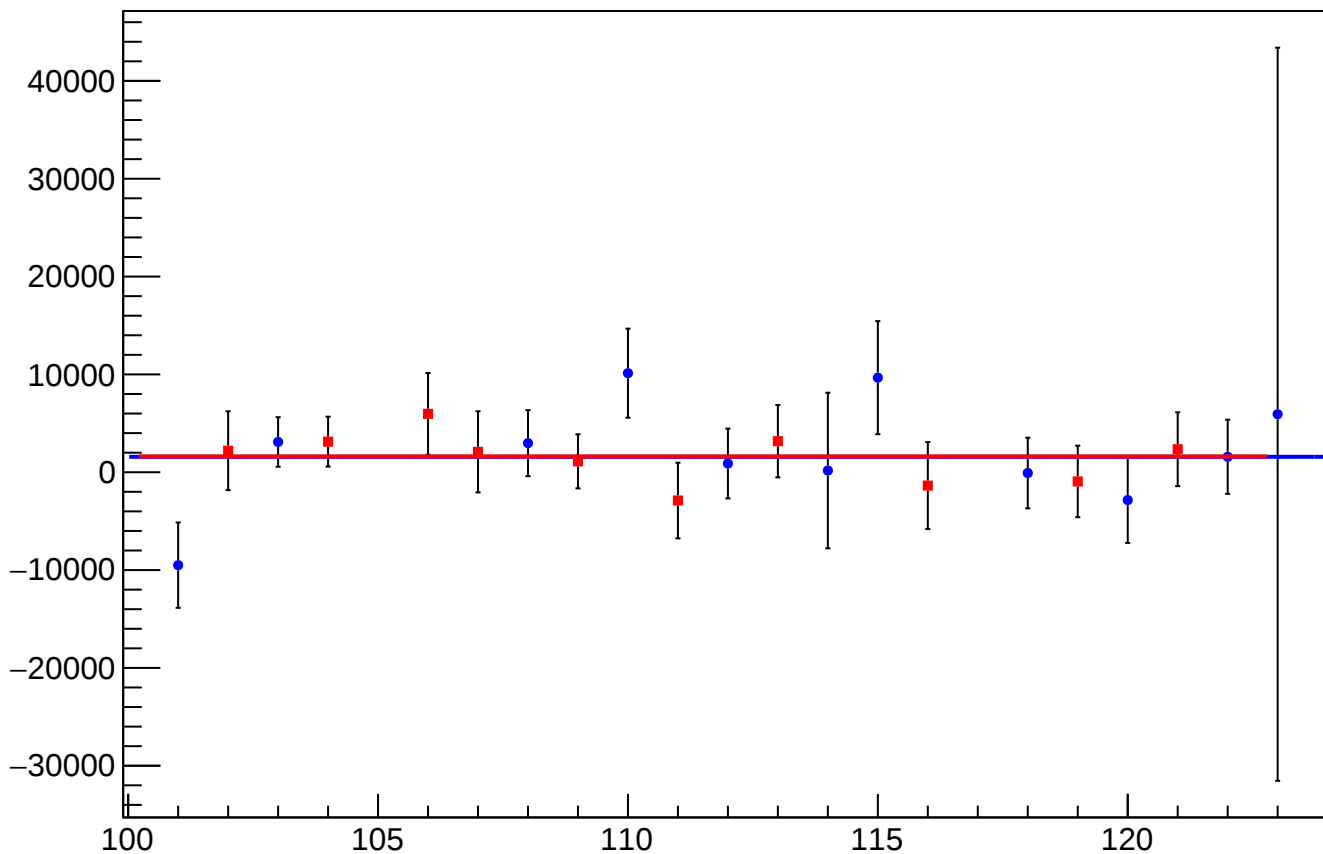
Right: 3534.136+/-0.906  $\chi^2$ /NDF: 490006.3/20

In: 3608.010+/-1.331  $\chi^2$ /NDF:286556.4/10

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

All: 3534.136+/-0.906  $\chi^2$ /NDF: 490006.3/20

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



Right In: 1579.595+/-1223.364  $\chi^2/\text{NDF}$ : 13.8/10

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

Right Out: 1617.193+/-1119.956  $\chi^2/\text{NDF}$ : 4.0/9

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

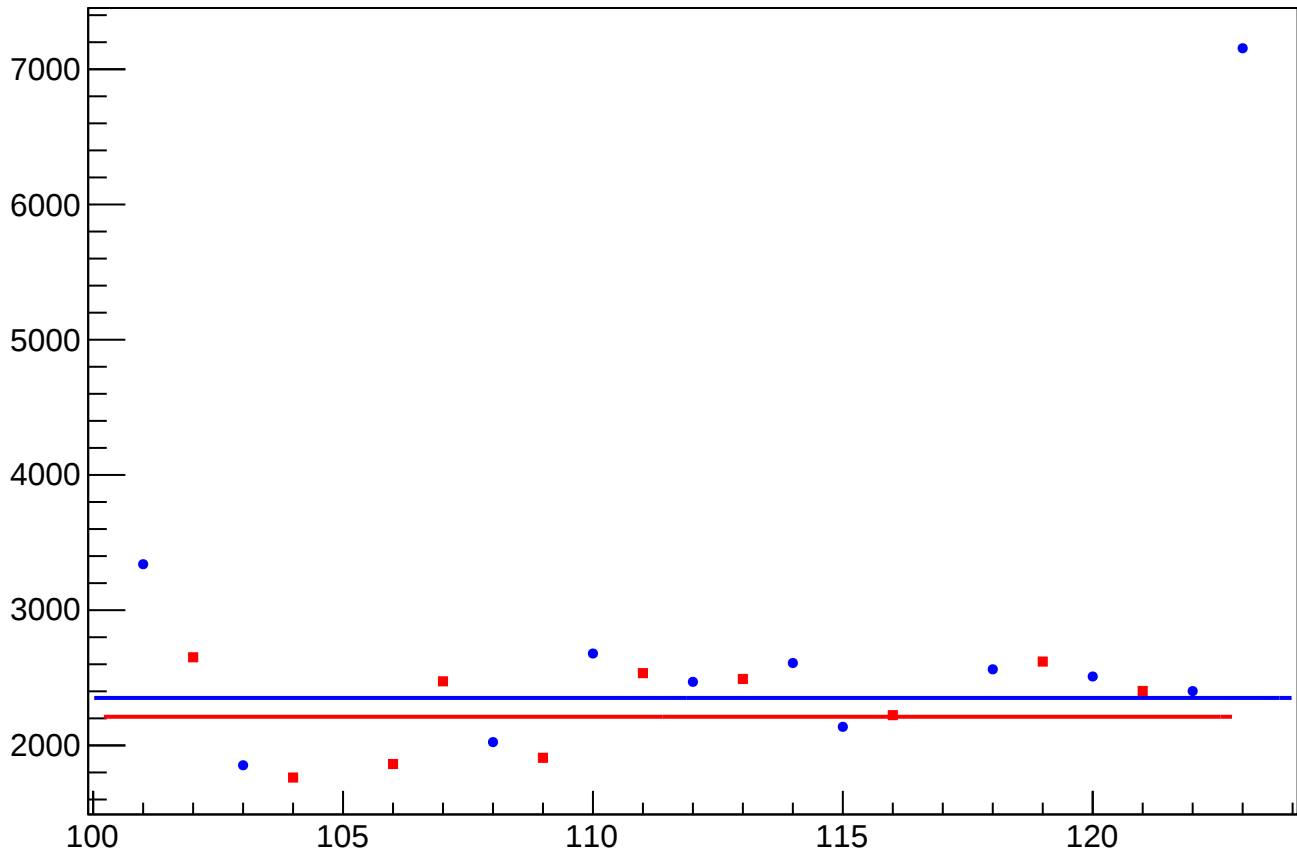
Right: 1600.050+/-826.071  $\chi^2/\text{NDF}$ : 17.8/20

In: 1579.595+/-1223.364  $\chi^2/\text{NDF}$ : 13.8/10

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

All: 1600.050+/-826.071  $\chi^2/\text{NDF}$ : 17.8/20

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



Right In: 2351.127+/-0.865  $\chi^2/\text{NDF}$ : 259146.6/10

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

Right Out: 2211.900+/-0.792  $\chi^2/\text{NDF}$ : 187471.3/9

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

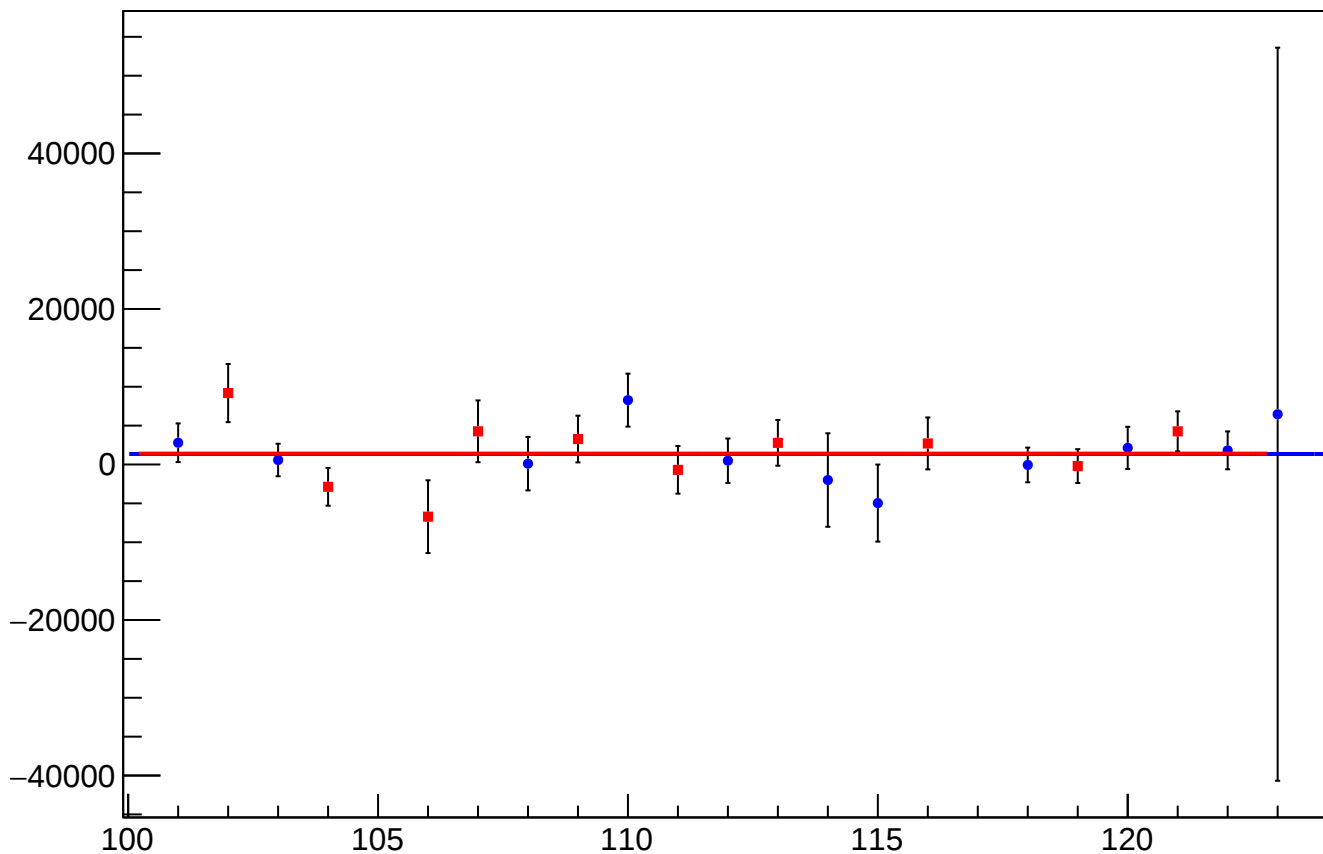
Right: 2275.381+/-0.584  $\chi^2/\text{NDF}$ : 460710.9/20

In: 2351.127+/-0.865  $\chi^2/\text{NDF}$ : 259146.6/10

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

All: 2275.381+/-0.584  $\chi^2/\text{NDF}$ : 460710.9/20

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



Right In: 1348.843+/-891.842  $\chi^2/\text{NDF}$ : 7.3/10

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

Right Out: 1397.604+/-938.577  $\chi^2/\text{NDF}$ : 14.0/9

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

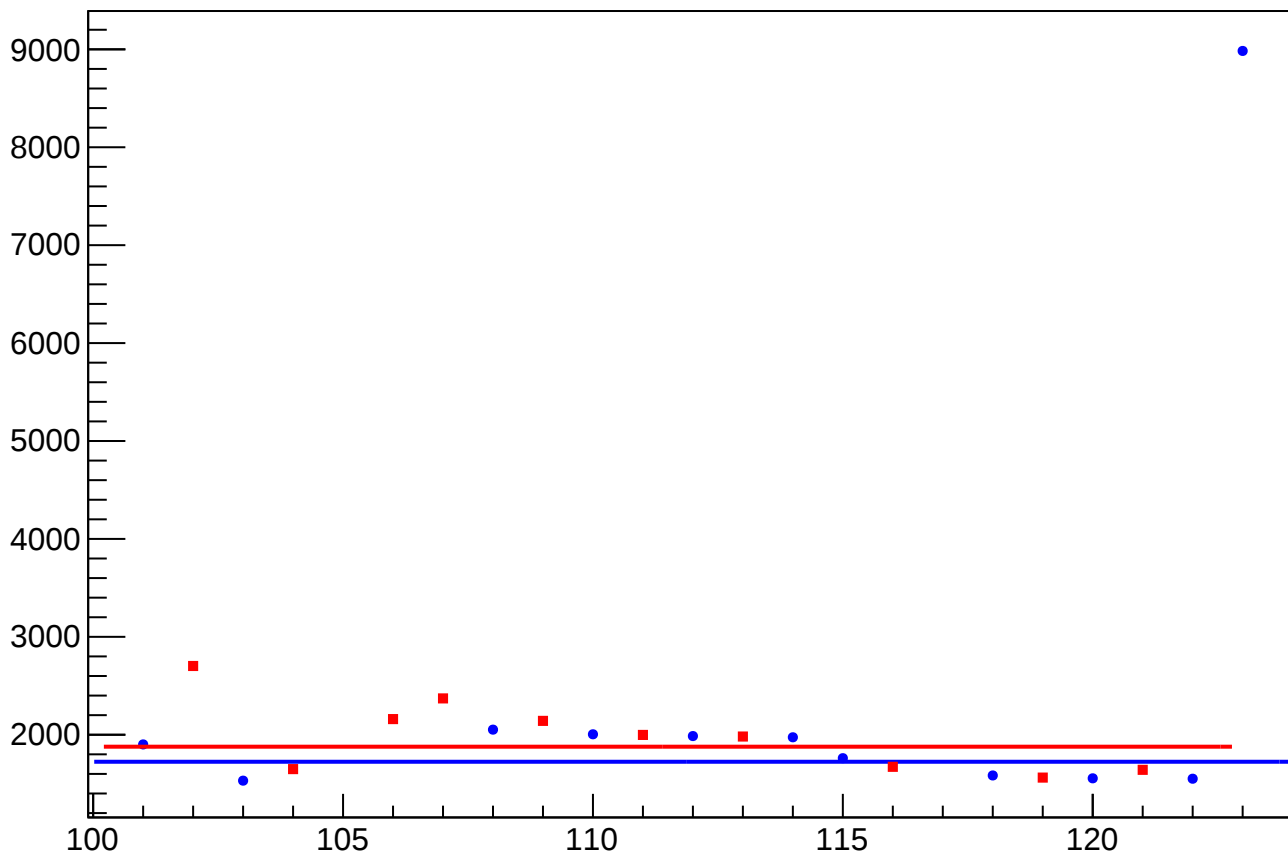
Right: 1371.979+/-646.518  $\chi^2/\text{NDF}$ : 21.3/20

In: 1348.843+/-891.842  $\chi^2/\text{NDF}$ : 7.3/10

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

All: 1371.979+/-646.518  $\chi^2/\text{NDF}$ : 21.3/20

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



Right In: 1724.168+/-0.631  $\chi^2/\text{NDF}$ : 152544.7/10

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

Right Out: 1878.008+/-0.661  $\chi^2/\text{NDF}$ : 241872.9/9

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

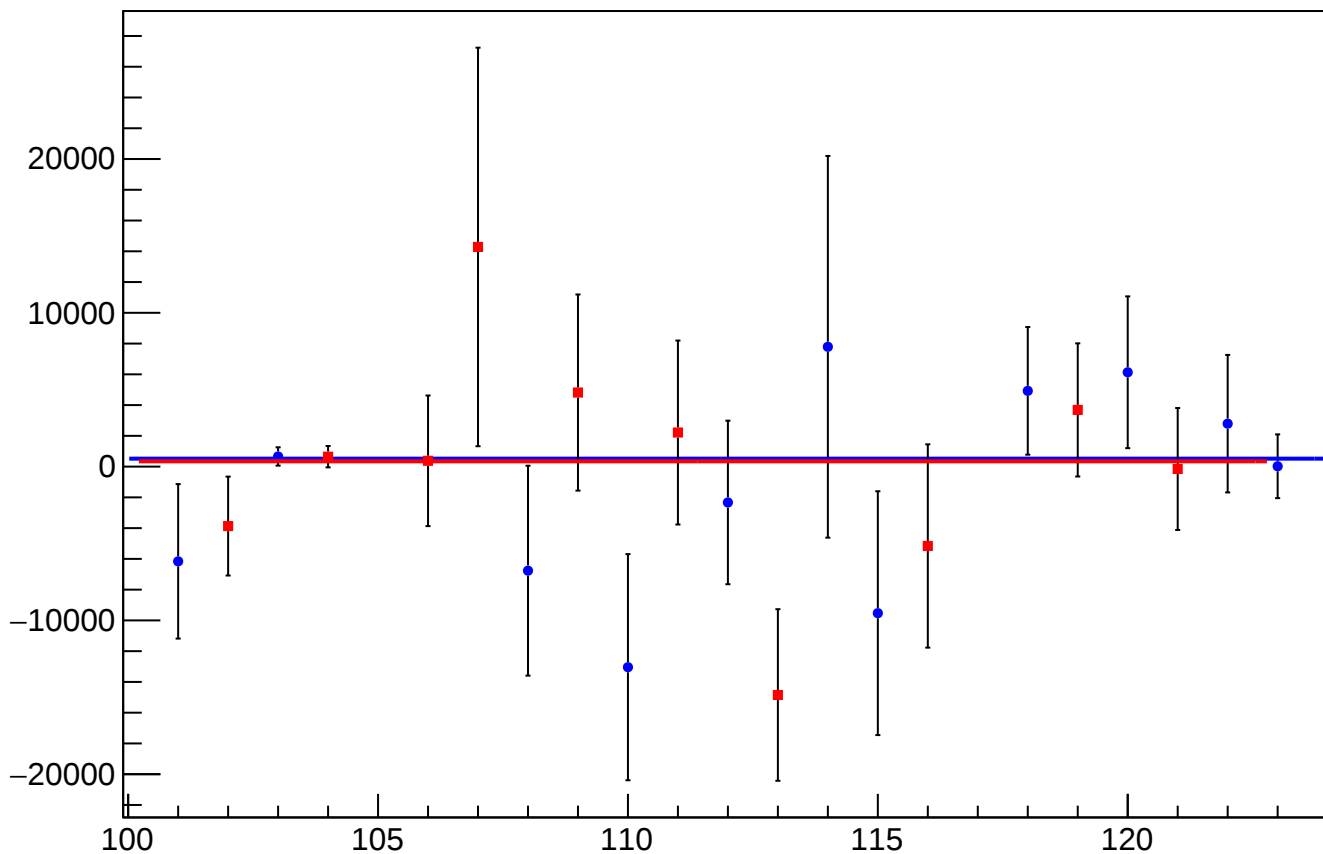
Right: 1797.469+/-0.456  $\chi^2/\text{NDF}$ : 422772.9/20

In: 1724.168+/-0.631  $\chi^2/\text{NDF}$ : 152544.7/10

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

All: 1797.469+/-0.456  $\chi^2/\text{NDF}$ : 422772.9/20

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



Right In: 517.353+/-547.968  $\chi^2/\text{NDF}$ : 11.3/10

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

Right Out: 343.656+/-637.867  $\chi^2/\text{NDF}$ : 12.4/9

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

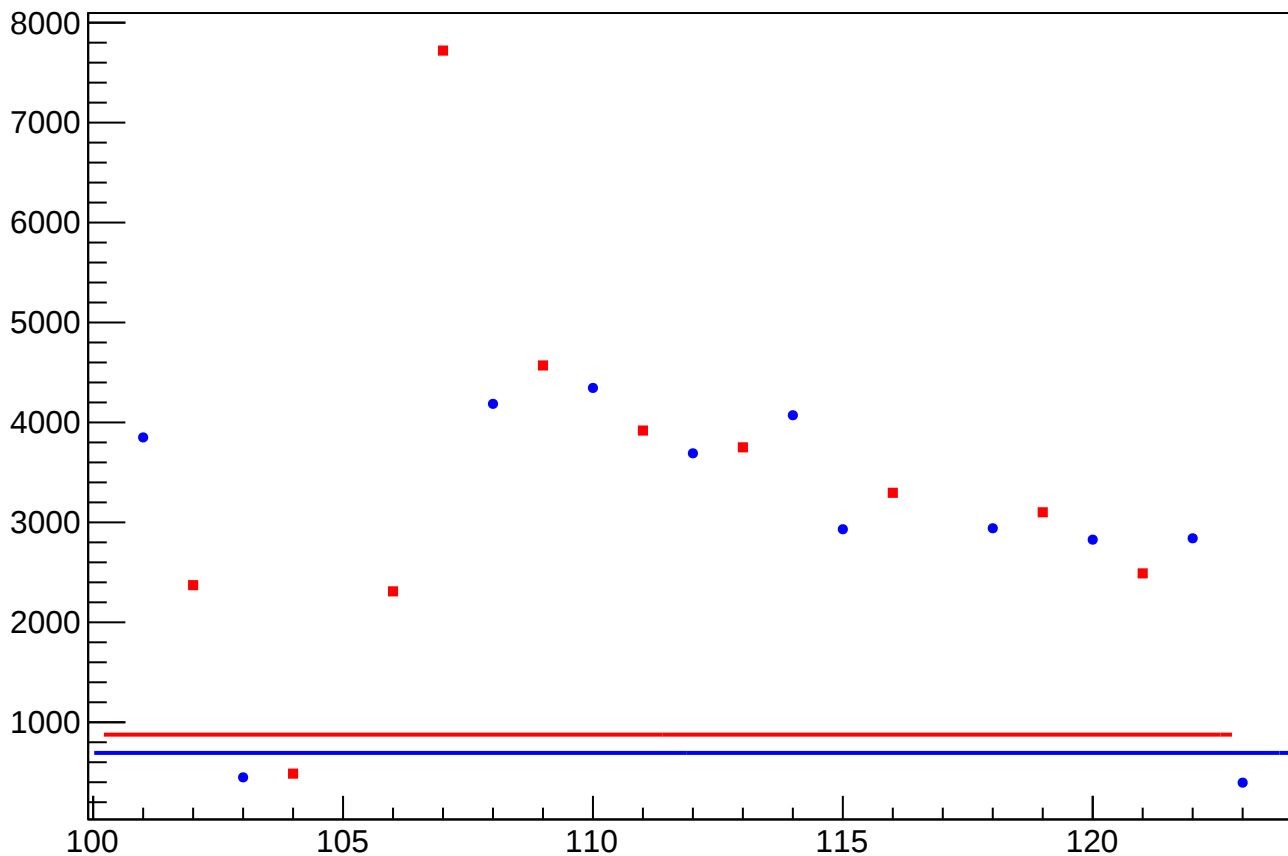
Right: 443.598+/-415.654  $\chi^2/\text{NDF}$ : 23.8/20

In: 517.353+/-547.968  $\chi^2/\text{NDF}$ :11.3/10

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

All: 443.598+/-415.654  $\chi^2/\text{NDF}$ : 23.8/20

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



Right In: 693.384+/-0.387  $\chi^2/\text{NDF}$ : 4550747.8/10

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

Right Out: 876.325+/-0.451  $\chi^2/\text{NDF}$ : 4698781.5/9

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

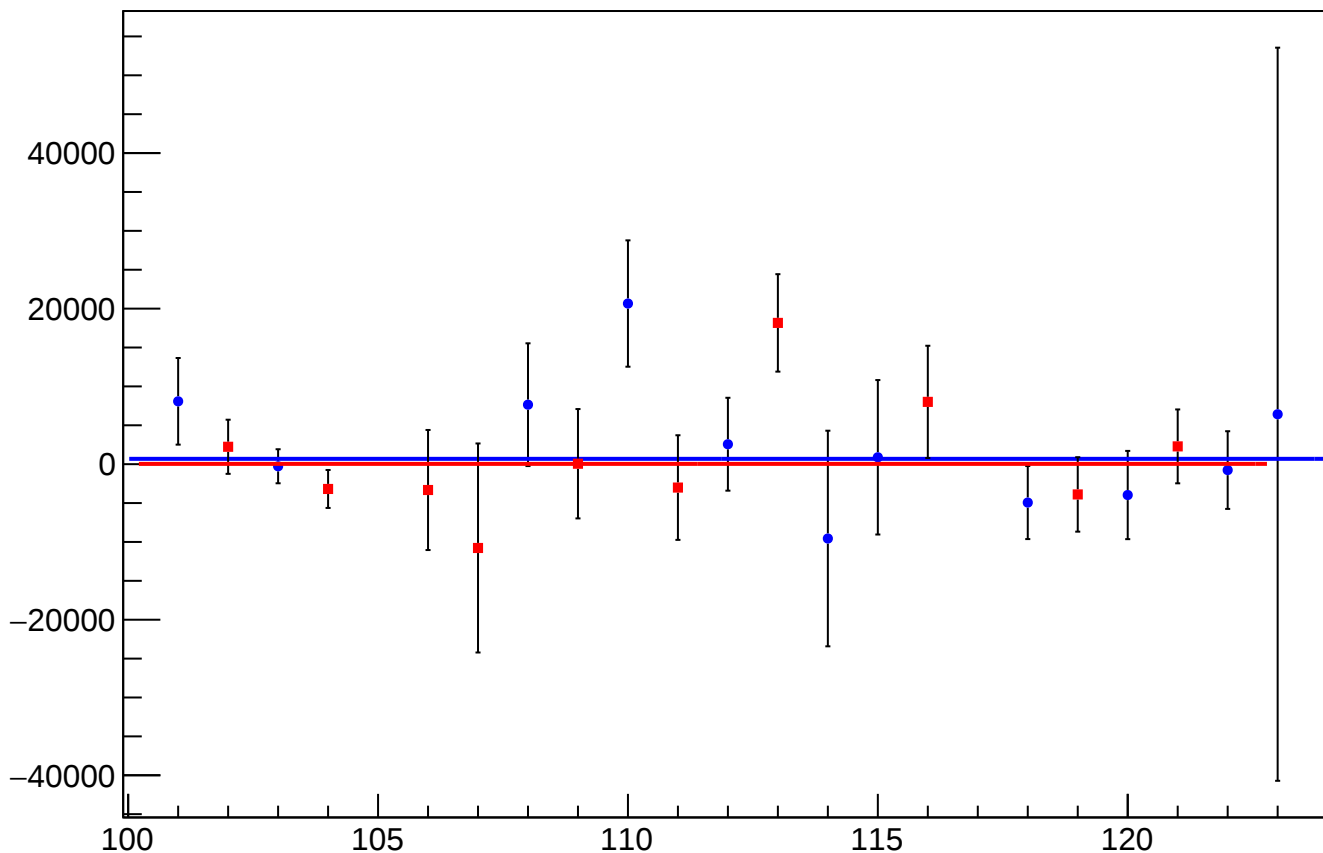
Right: 771.065+/-0.294  $\chi^2/\text{NDF}$ : 9344184.4/20

In: 693.384+/-0.387  $\chi^2/\text{NDF}$ :4550747.8/10

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

All: 771.065+/-0.294  $\chi^2/\text{NDF}$ : 9344184.4/20

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



Right In: 686.327+/-1520.426  $\chi^2/\text{NDF}$ : 11.6/10

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

Right Out: 37.391+/-1494.313  $\chi^2/\text{NDF}$ : 13.7/9

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

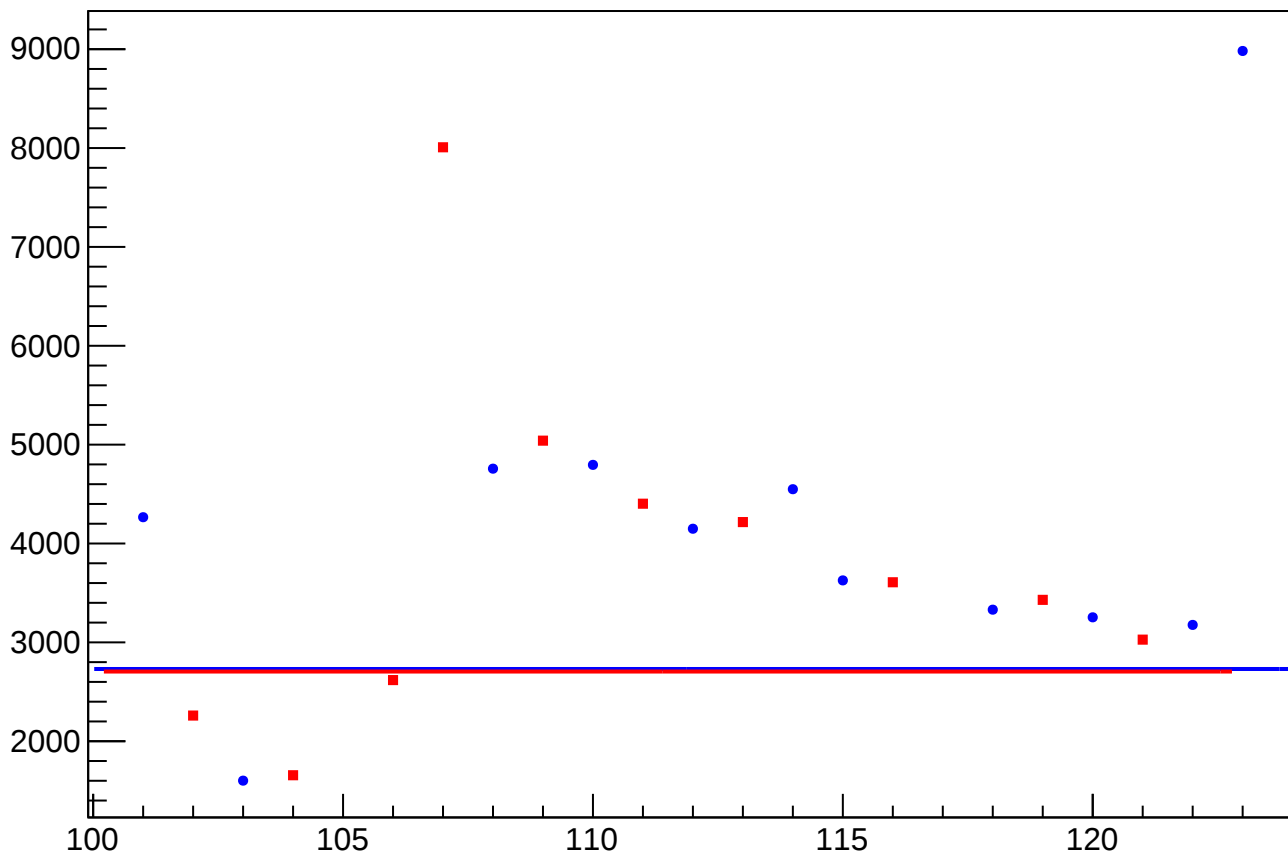
Right: 356.238+/-1065.751  $\chi^2/\text{NDF}$ : 25.4/20

In: 686.327+/-1520.426  $\chi^2/\text{NDF}$ : 11.6/10

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

All: 356.238+/-1065.751  $\chi^2/\text{NDF}$ : 25.4/20

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



Right In: 2730.719+/-1.075  $\chi^2/\text{NDF}$ : 1210015.8/10

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

Right Out: 2704.943+/-1.036  $\chi^2/\text{NDF}$ : 1265244.0/9

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

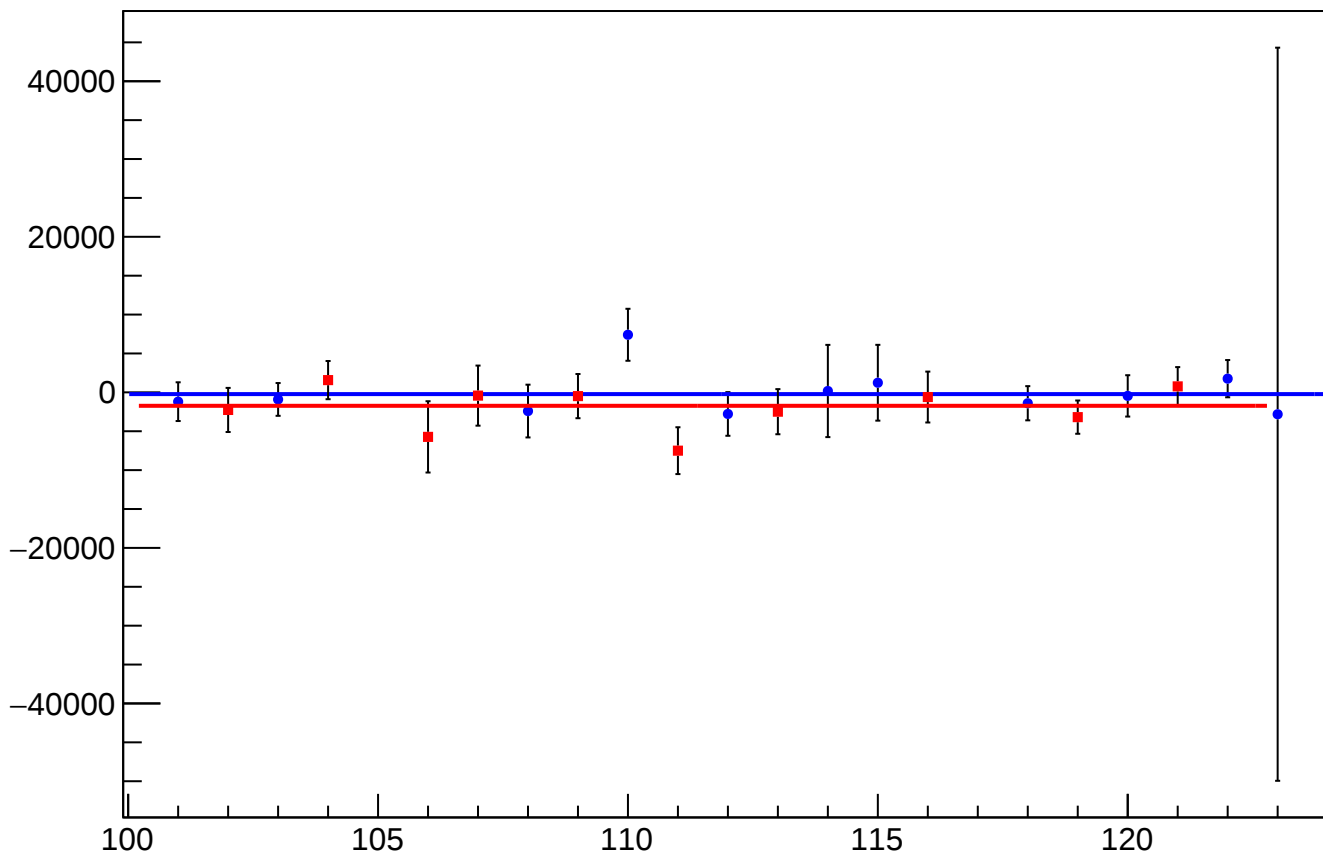
Right: 2717.355+/-0.746  $\chi^2/\text{NDF}$ : 2475557.8/20

In: 2730.719+/-1.075  $\chi^2/\text{NDF}$ : 1210015.8/10

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

All: 2717.355+/-0.746  $\chi^2/\text{NDF}$ : 2475557.8/20

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



Right In: -224.915+/-882.518  $\chi^2/\text{NDF}$ : 7.8/10

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

Right Out: -1729.530+/-900.659  $\chi^2/\text{NDF}$ : 8.2/9

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

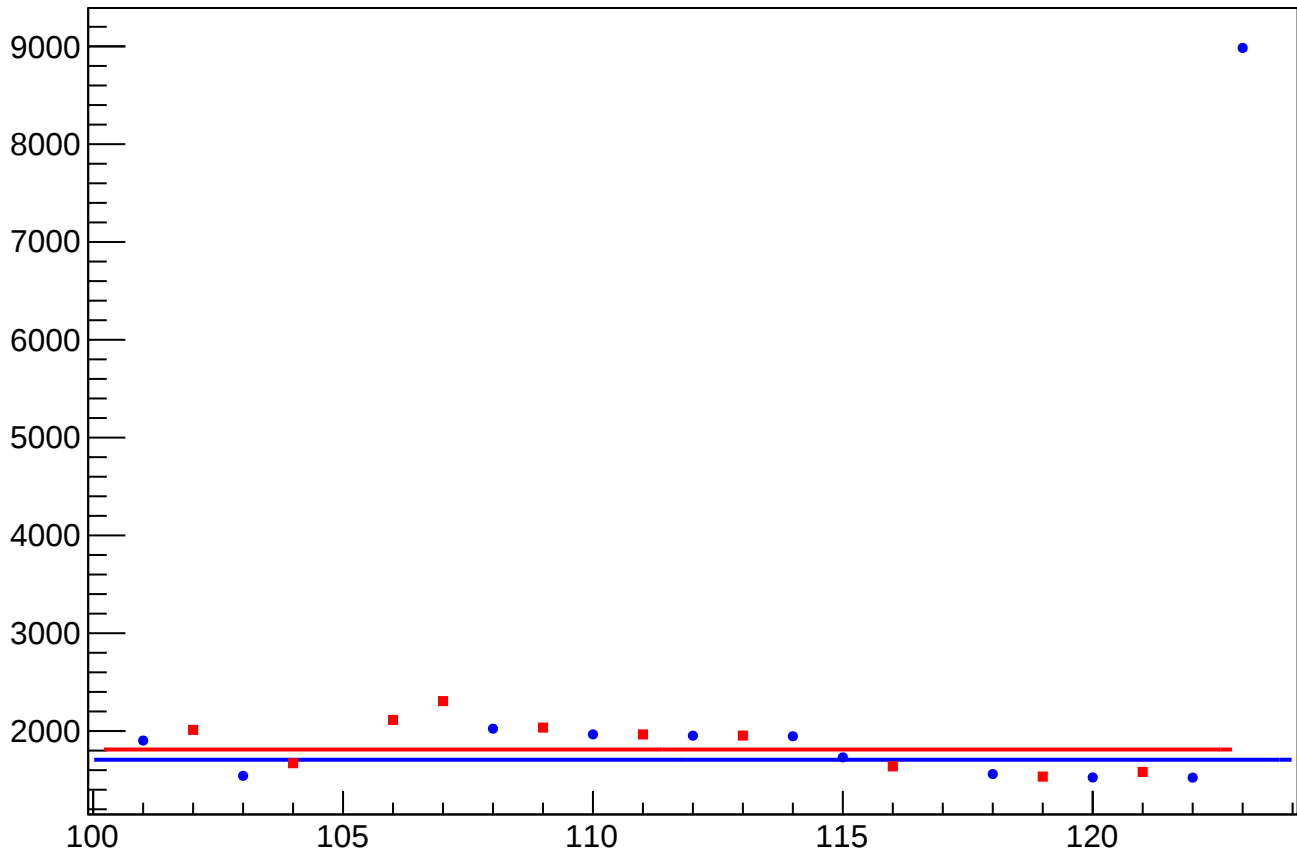
Right: -961.917+/-630.351  $\chi^2/\text{NDF}$ : 17.5/20

In: -224.915+/-882.518  $\chi^2/\text{NDF}$ : 7.8/10

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

All: -961.917+/-630.351  $\chi^2/\text{NDF}$ : 17.5/20

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



Right In: 1706.356+/-0.624  $\chi^2/\text{NDF}$ : 150409.3/10

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

Right Out: 1810.981+/-0.634  $\chi^2/\text{NDF}$ : 138538.5/9

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

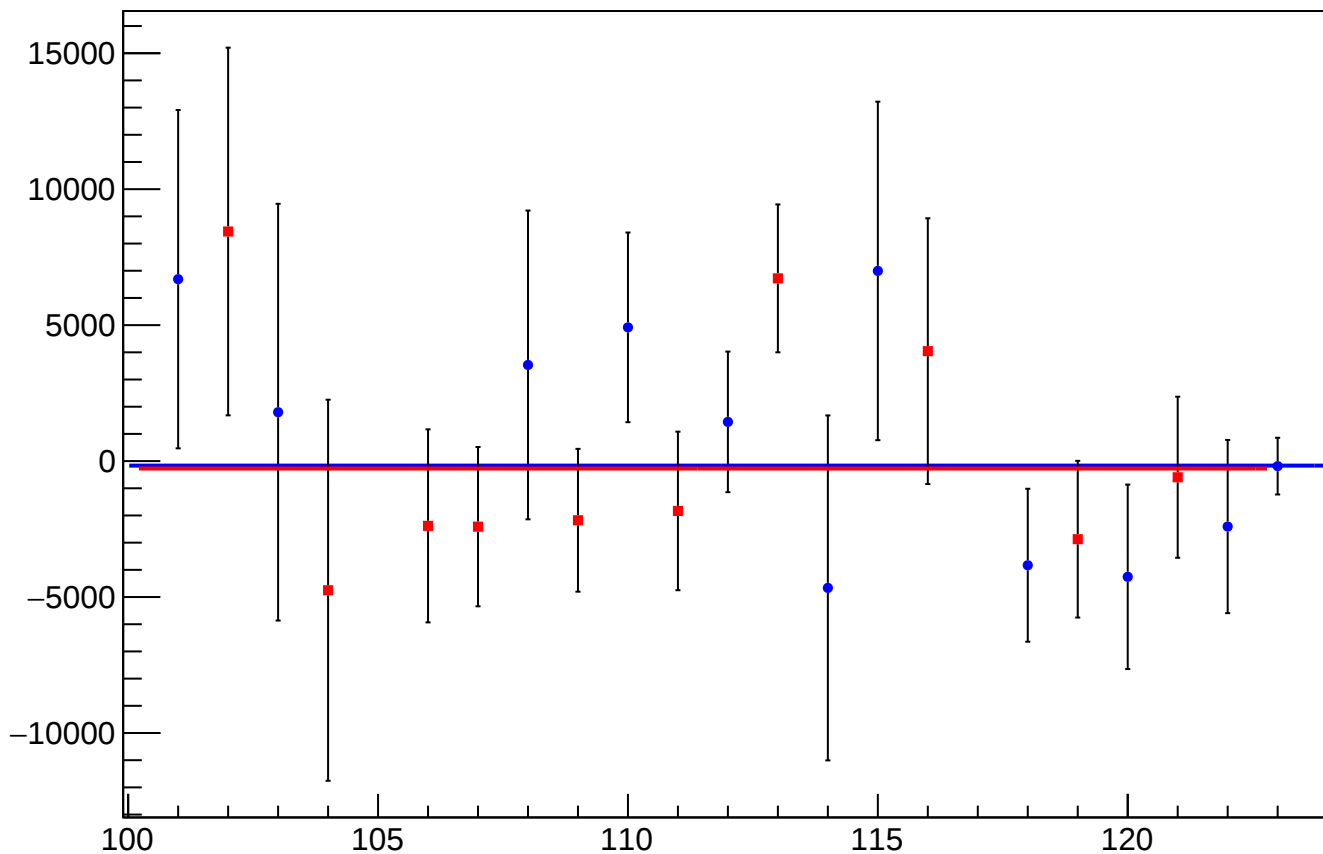
Right: 1757.810+/-0.445  $\chi^2/\text{NDF}$ : 302771.9/20

In: 1706.356+/-0.624  $\chi^2/\text{NDF}$ : 150409.3/10

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

All: 1757.810+/-0.445  $\chi^2/\text{NDF}$ : 302771.9/20

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



Right In: -166.383+/-793.528  $\chi^2/\text{NDF}$ : 9.7/10

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

Right Out: -273.564+/-1046.970  $\chi^2/\text{NDF}$ : 12.0/9

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

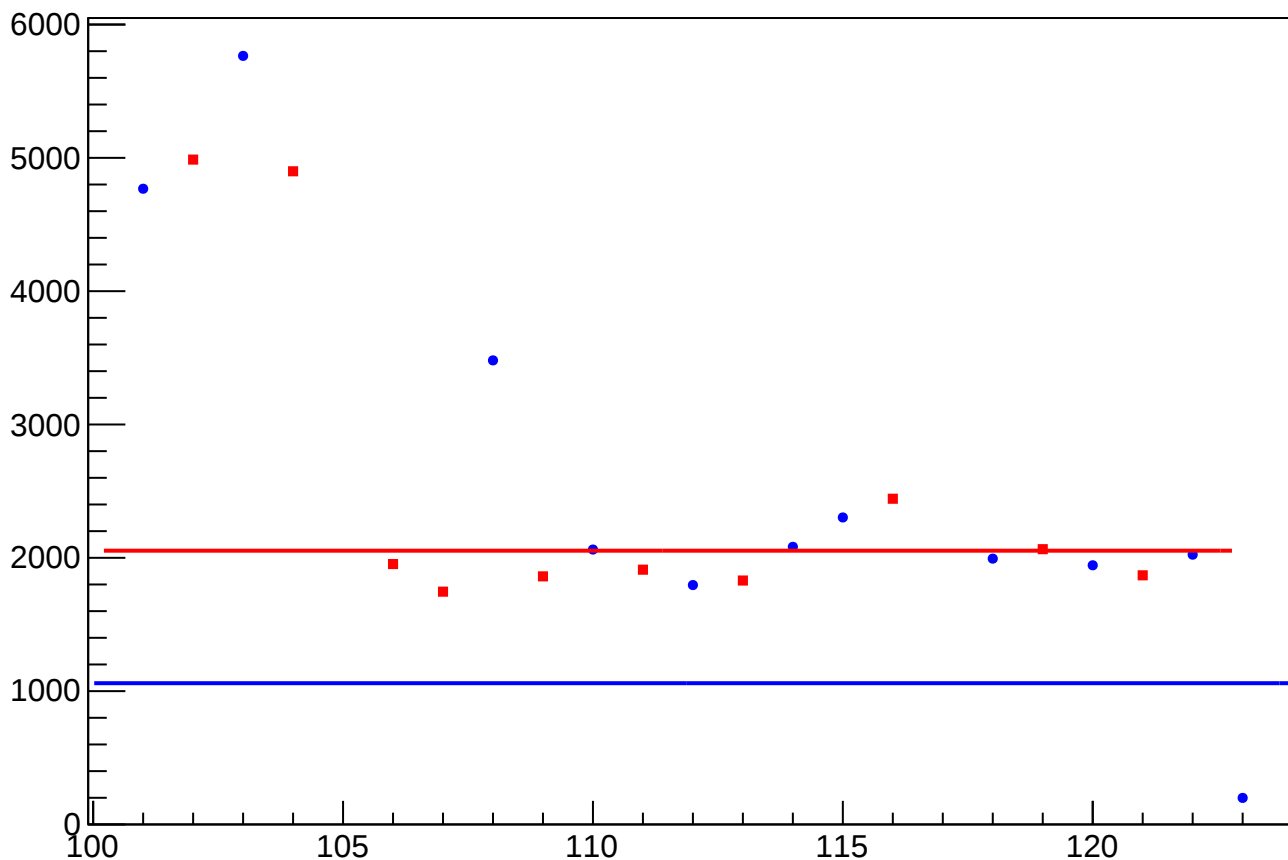
Right: -205.489+/-632.408  $\chi^2/\text{NDF}$ : 21.7/20

In: -166.383+/-793.528  $\chi^2/\text{NDF}$ :9.7/10

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

All: -205.489+/-632.408  $\chi^2/\text{NDF}$ : 21.7/20

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



Right In: 1059.547+/-0.561  $\chi^2/\text{NDF}$ : 4189560.5/10

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

Right Out: 2053.510+/-0.740  $\chi^2/\text{NDF}$ : 779549.8/9

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

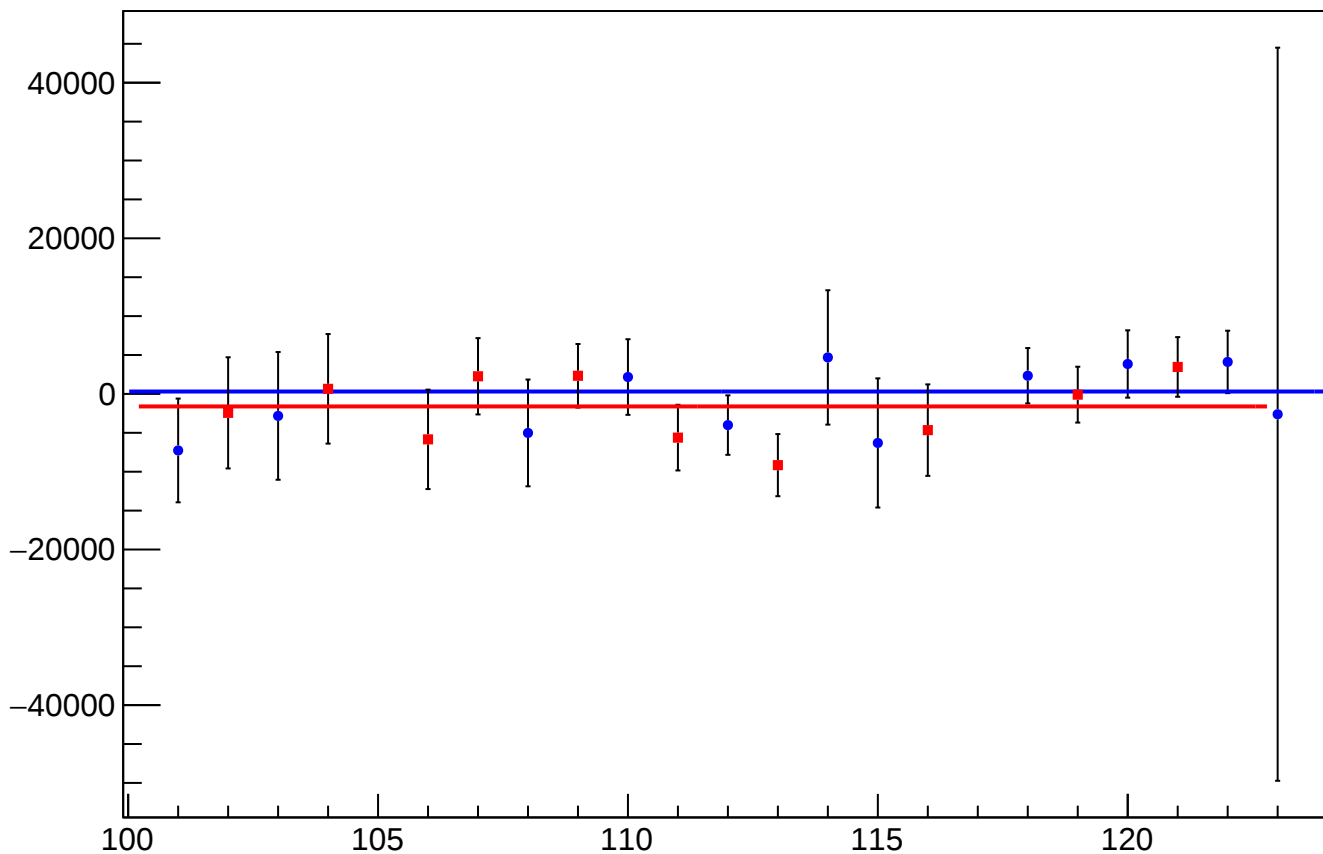
Right: 1422.204+/-0.447  $\chi^2/\text{NDF}$ : 6114022.6/20

In: 1059.547+/-0.561  $\chi^2/\text{NDF}$ : 4189560.5/10

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

All: 1422.204+/-0.447  $\chi^2/\text{NDF}$ : 6114022.6/20

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



Right In: 308.019+/-1596.781  $\chi^2/\text{NDF}$ : 6.2/10

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

Right Out: -1610.301+/-1475.723  $\chi^2/\text{NDF}$ : 8.8/9

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

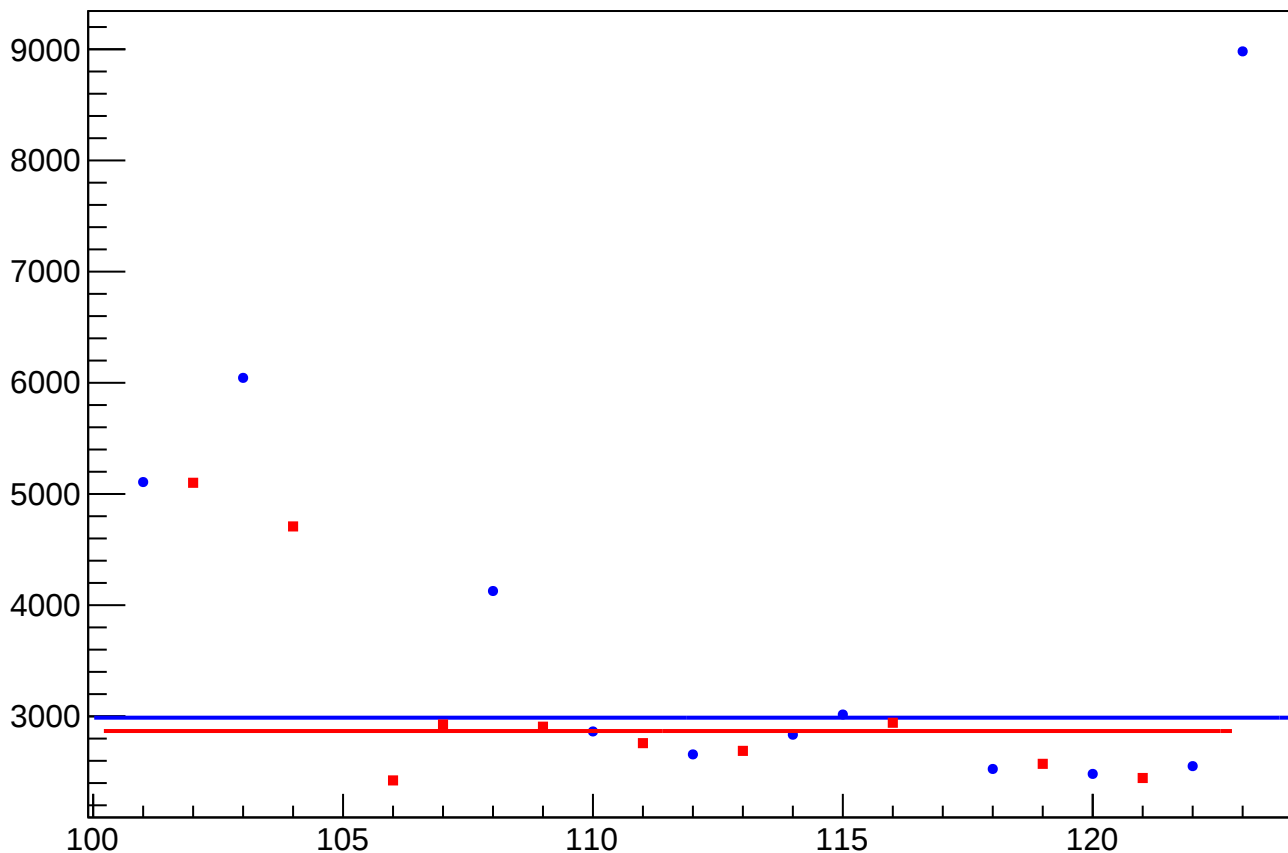
Right: -726.607+/-1083.767  $\chi^2/\text{NDF}$ : 15.8/20

In: 308.019+/-1596.781  $\chi^2/\text{NDF}$ : 6.2/10

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

All: -726.607+/-1083.767  $\chi^2/\text{NDF}$ : 15.8/20

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



Right In: 2988.041+/-1.129  $\chi^2/\text{NDF}$ : 668297.0/10

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

Right Out: 2868.060+/-1.024  $\chi^2/\text{NDF}$ : 392619.6/9

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

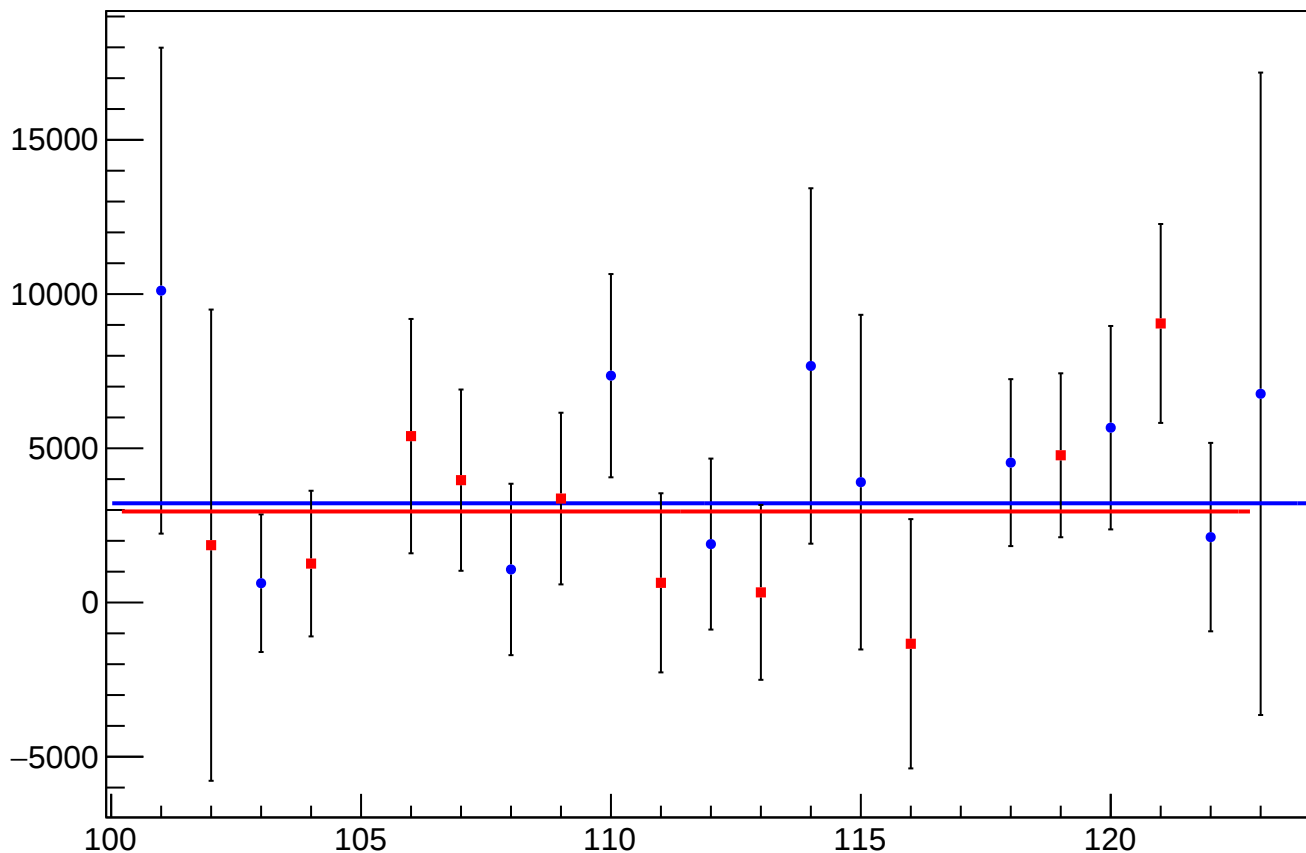
Right: 2922.194+/-0.758  $\chi^2/\text{NDF}$ : 1067113.9/20

In: 2988.041+/-1.129  $\chi^2/\text{NDF}$ :668297.0/10

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

All: 2922.194+/-0.758  $\chi^2/\text{NDF}$ : 1067113.9/20

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



Right In: 3217.125+/-1011.348  $\chi^2/\text{NDF}$ : 6.2/10

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

Right Out: 2951.622+/-974.622  $\chi^2/\text{NDF}$ : 7.7/9

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

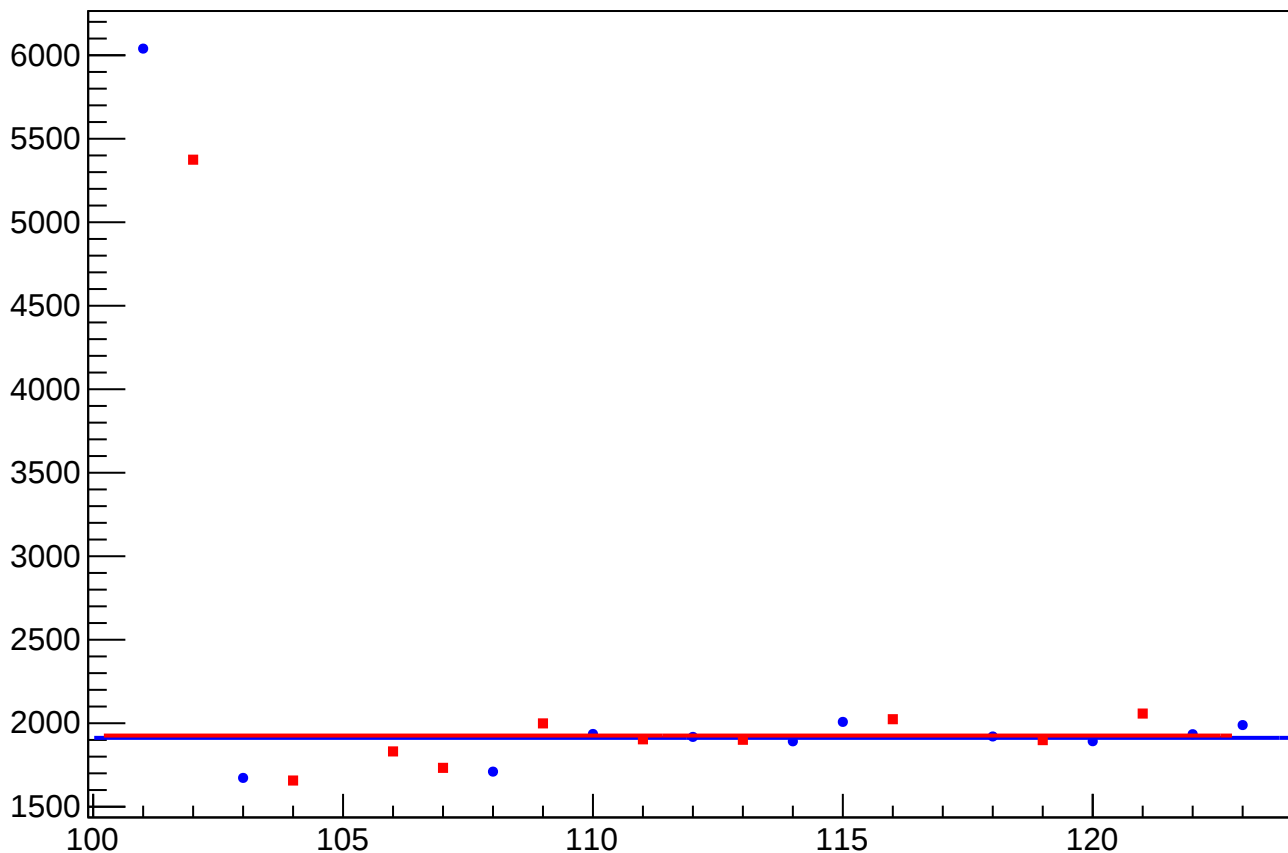
Right: 3079.465+/-701.786  $\chi^2/\text{NDF}$ : 13.9/20

In: 3217.125+/-1011.348  $\chi^2/\text{NDF}$ : 6.2/10

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

All: 3079.465+/-701.786  $\chi^2/\text{NDF}$ : 13.9/20

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



Right In: 1912.480+/-0.715  $\chi^2/\text{NDF}$ : 583730.5/10

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

Right Out: 1926.254+/-0.688  $\chi^2/\text{NDF}$ : 450051.9/9

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

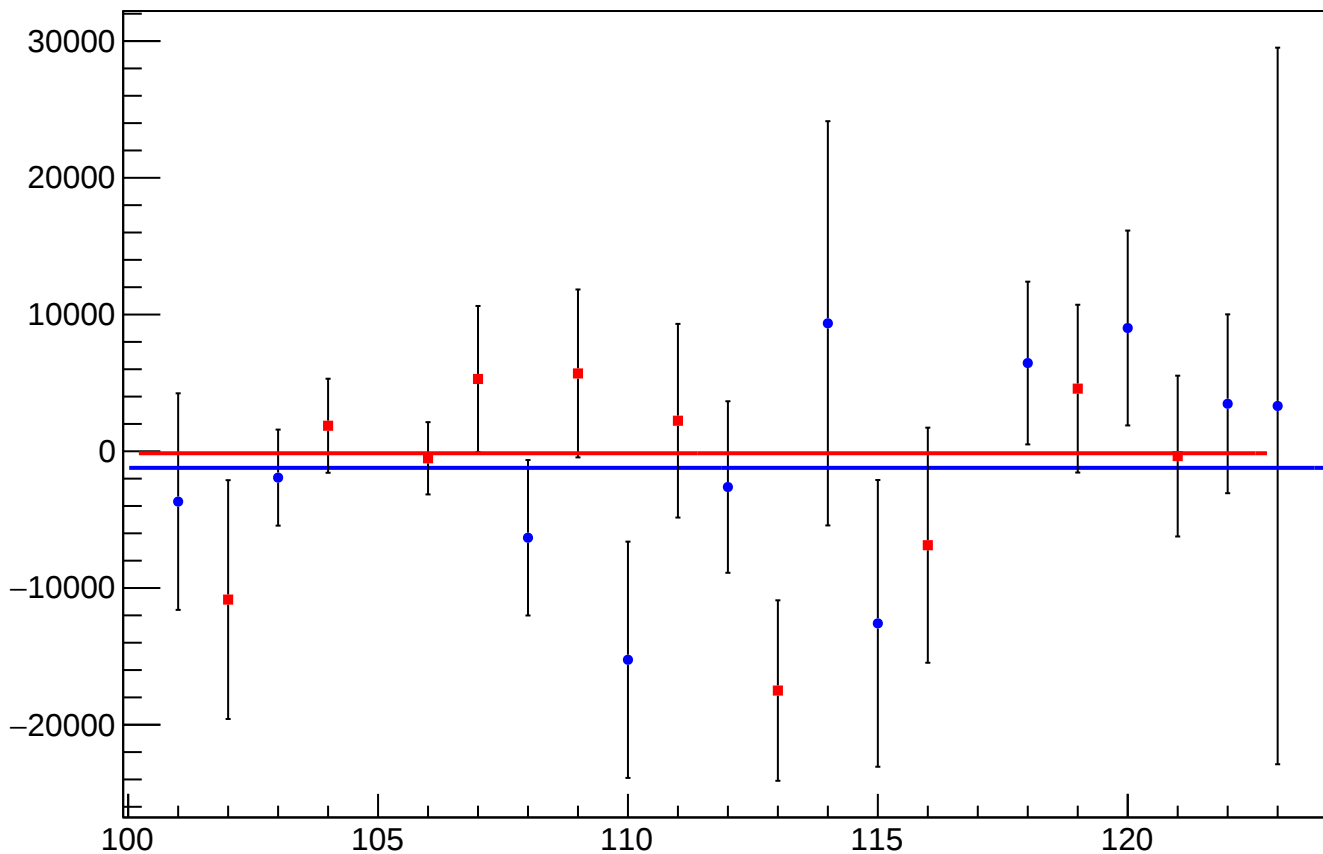
Right: 1919.628+/-0.496  $\chi^2/\text{NDF}$ : 1033975.0/20

In: 1912.480+/-0.715  $\chi^2/\text{NDF}$ : 583730.5/10

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

All: 1919.628+/-0.496  $\chi^2/\text{NDF}$ : 1033975.0/20

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



Right In: -1211.558+/-1987.414  $\chi^2/\text{NDF}$ : 9.6/10

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

Right Out: -143.647+/-1553.550  $\chi^2/\text{NDF}$ : 12.0/9

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

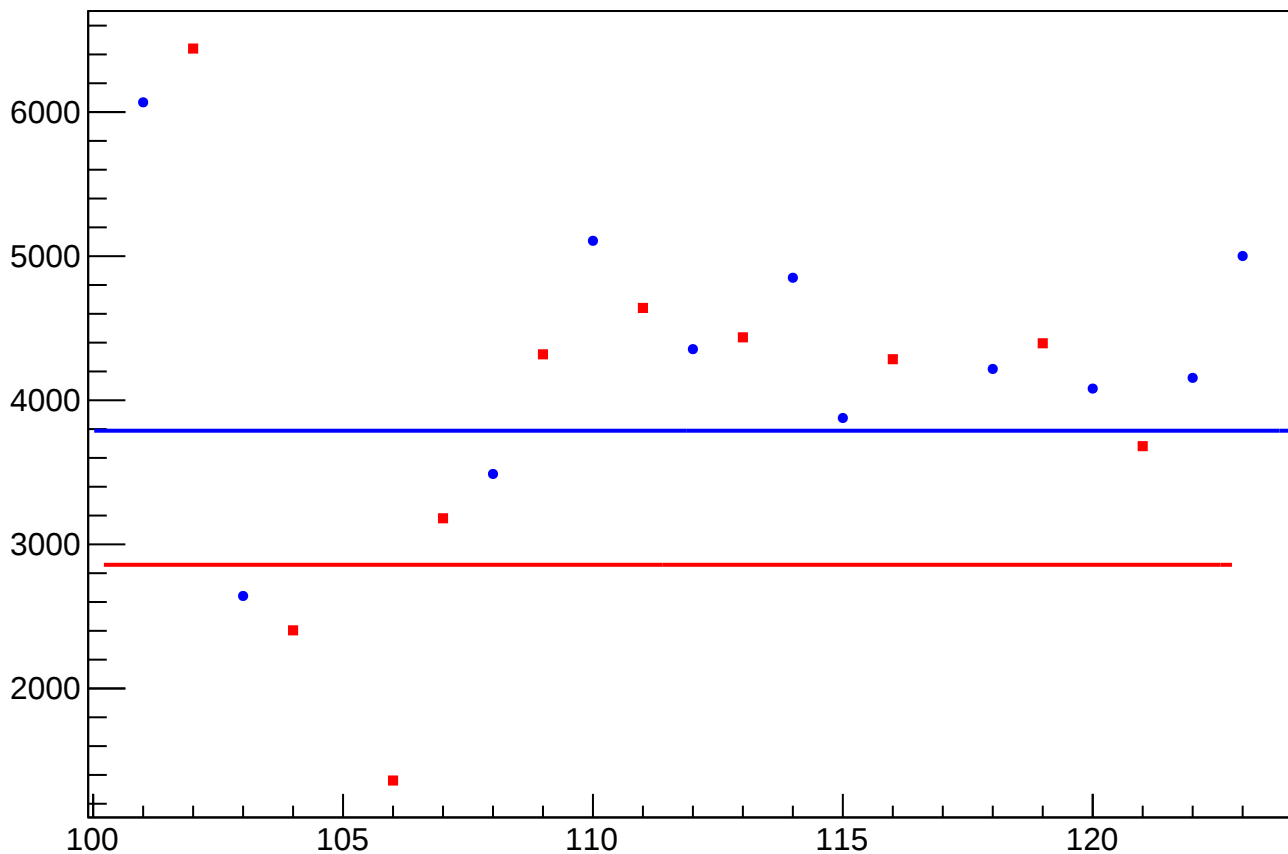
Right: -548.690+/-1223.971  $\chi^2/\text{NDF}$ : 21.8/20

In: -1211.558+/-1987.414  $\chi^2/\text{NDF}$ : 9.6/10

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

All: -548.690+/-1223.971  $\chi^2/\text{NDF}$ : 21.8/20

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



Right In: 3788.775+/-1.405  $\chi^2/\text{NDF}$ : 481975.6/10

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

Right Out: 2858.247+/-1.099  $\chi^2/\text{NDF}$ : 1594690.4/9

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

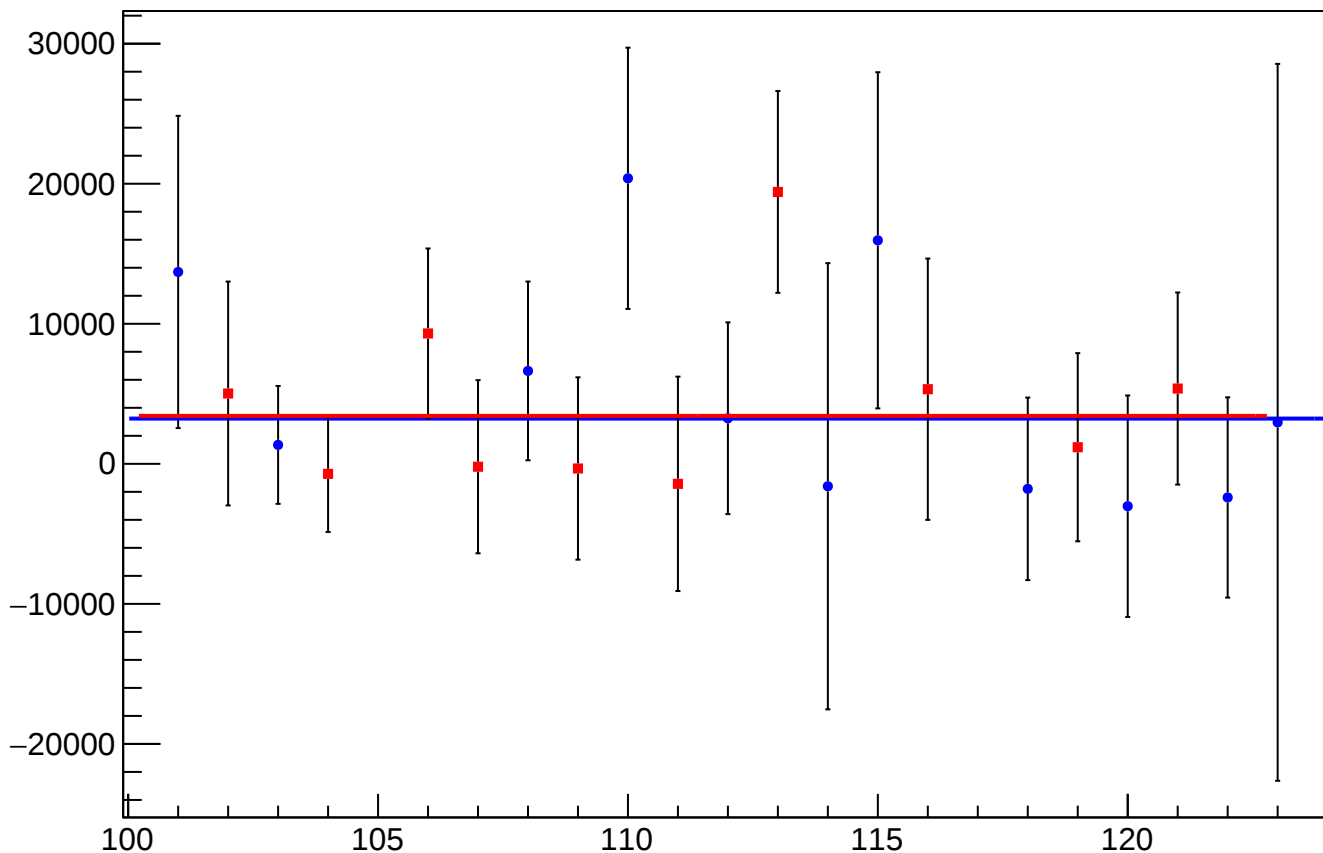
Right: 3211.182+/-0.865  $\chi^2/\text{NDF}$ : 2348813.3/20

In: 3788.775+/-1.405  $\chi^2/\text{NDF}$ : 481975.6/10

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

All: 3211.182+/-0.865  $\chi^2/\text{NDF}$ : 2348813.3/20

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



Right In: 3231.410+/-2273.890  $\chi^2/\text{NDF}$ : 7.8/10

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

Right Out: 3424.849+/-2033.441  $\chi^2/\text{NDF}$ : 8.2/9

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

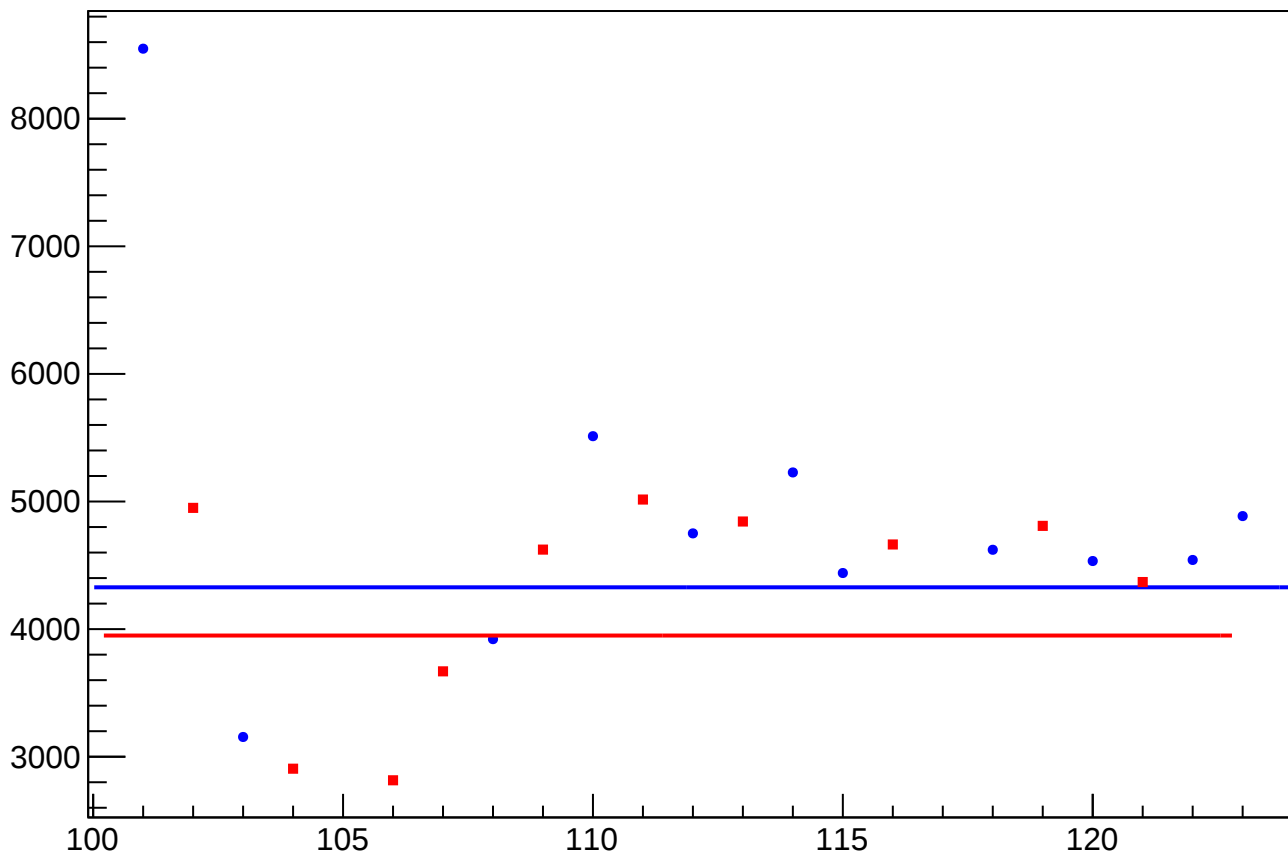
Right: 3338.894+/-1515.766  $\chi^2/\text{NDF}$ : 16.0/20

In: 3231.410+/-2273.890  $\chi^2/\text{NDF}$ : 7.8/10

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

All: 3338.894+/-1515.766  $\chi^2/\text{NDF}$ : 16.0/20

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



Right In: 4327.680+/-1.608  $\chi^2/\text{NDF}$ : 504840.3/10

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

Right Out: 3949.732+/-1.426  $\chi^2/\text{NDF}$ : 384674.5/9

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

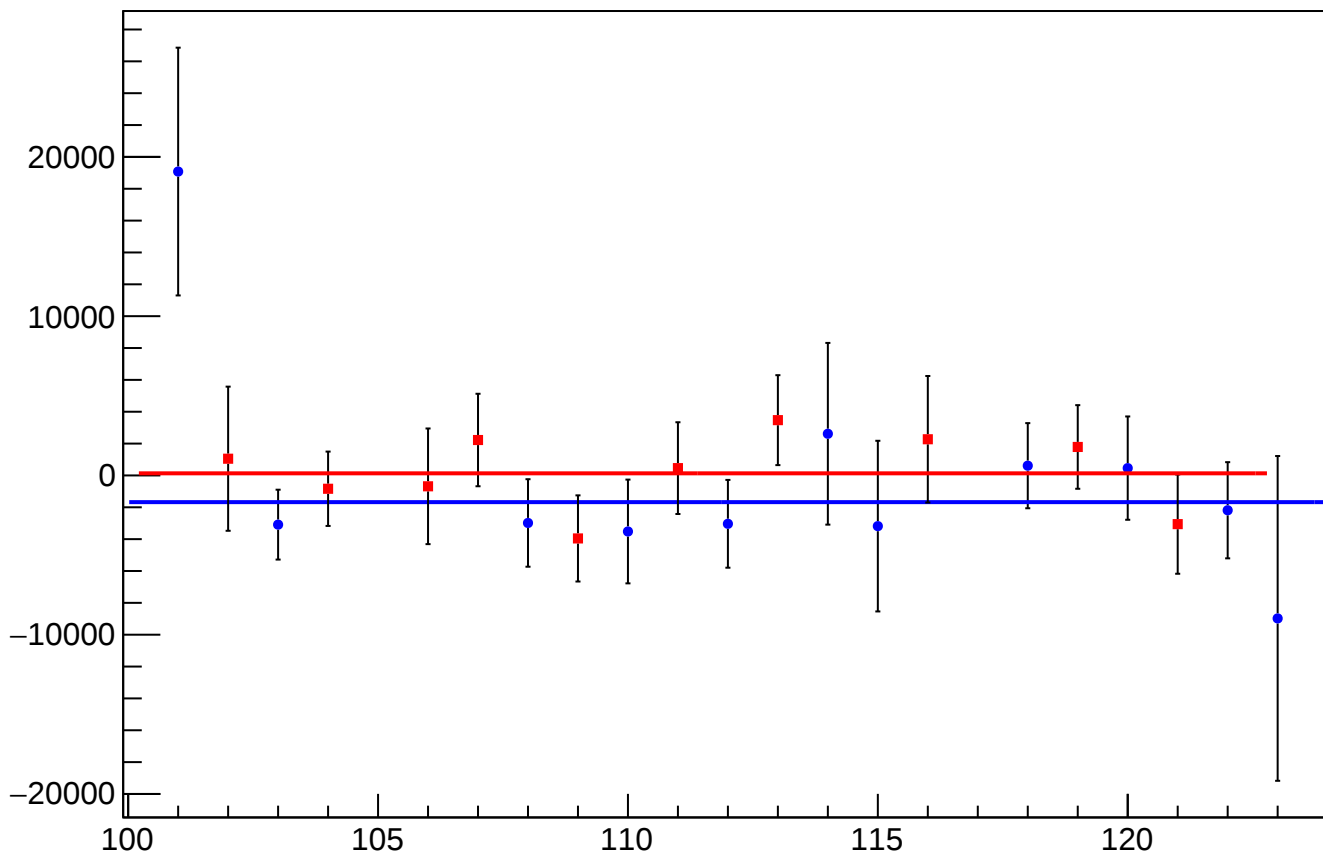
Right: 4116.177+/-1.067  $\chi^2/\text{NDF}$ : 920434.9/20

In: 4327.680+/-1.608  $\chi^2/\text{NDF}$ :504840.3/10

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

All: 4116.177+/-1.067  $\chi^2/\text{NDF}$ : 920434.9/20

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



Right In: -1676.332+/-998.679  $\chi^2/\text{NDF}$ : 10.7/10

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

Right Out: 132.401+/-944.509  $\chi^2/\text{NDF}$ : 6.2/9

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

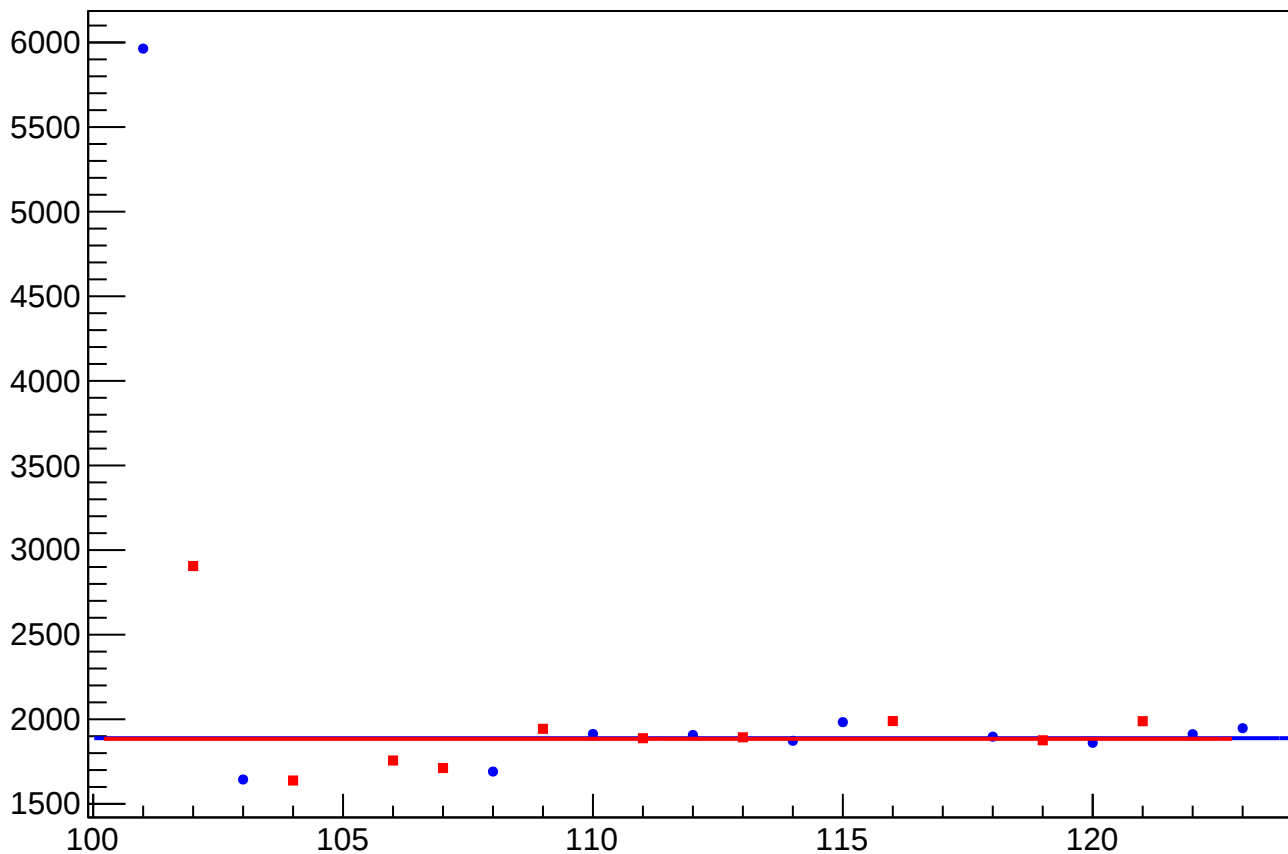
Right: -721.583+/-686.220  $\chi^2/\text{NDF}$ : 18.6/20

In: -1676.332+/-998.679  $\chi^2/\text{NDF}$ : 10.7/10

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

All: -721.583+/-686.220  $\chi^2/\text{NDF}$ : 18.6/20

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



Right In: 1888.261+/-0.706  $\chi^2/\text{NDF}$ : 585292.7/10

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

Right Out: 1884.427+/-0.667  $\chi^2/\text{NDF}$ : 138415.0/9

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

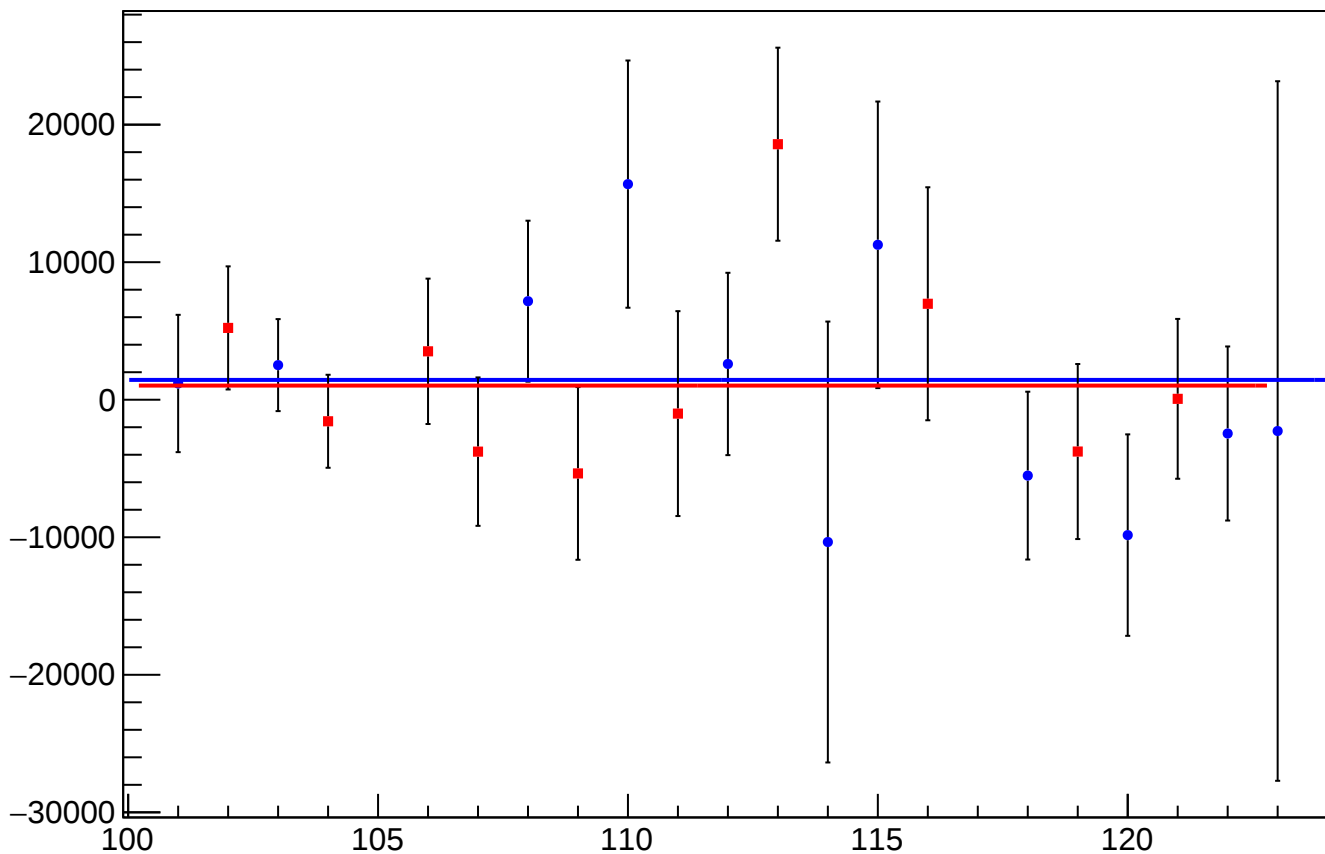
Right: 1886.235+/-0.485  $\chi^2/\text{NDF}$ : 723723.3/20

In: 1888.261+/-0.706  $\chi^2/\text{NDF}$ : 585292.7/10

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

All: 1886.235+/-0.485  $\chi^2/\text{NDF}$ : 723723.3/20

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



Right In: 1440.737+/-1893.262  $\chi^2/\text{NDF}$ : 9.1/10

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

Right Out: 1028.516+/-1716.305  $\chi^2/\text{NDF}$ : 10.9/9

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

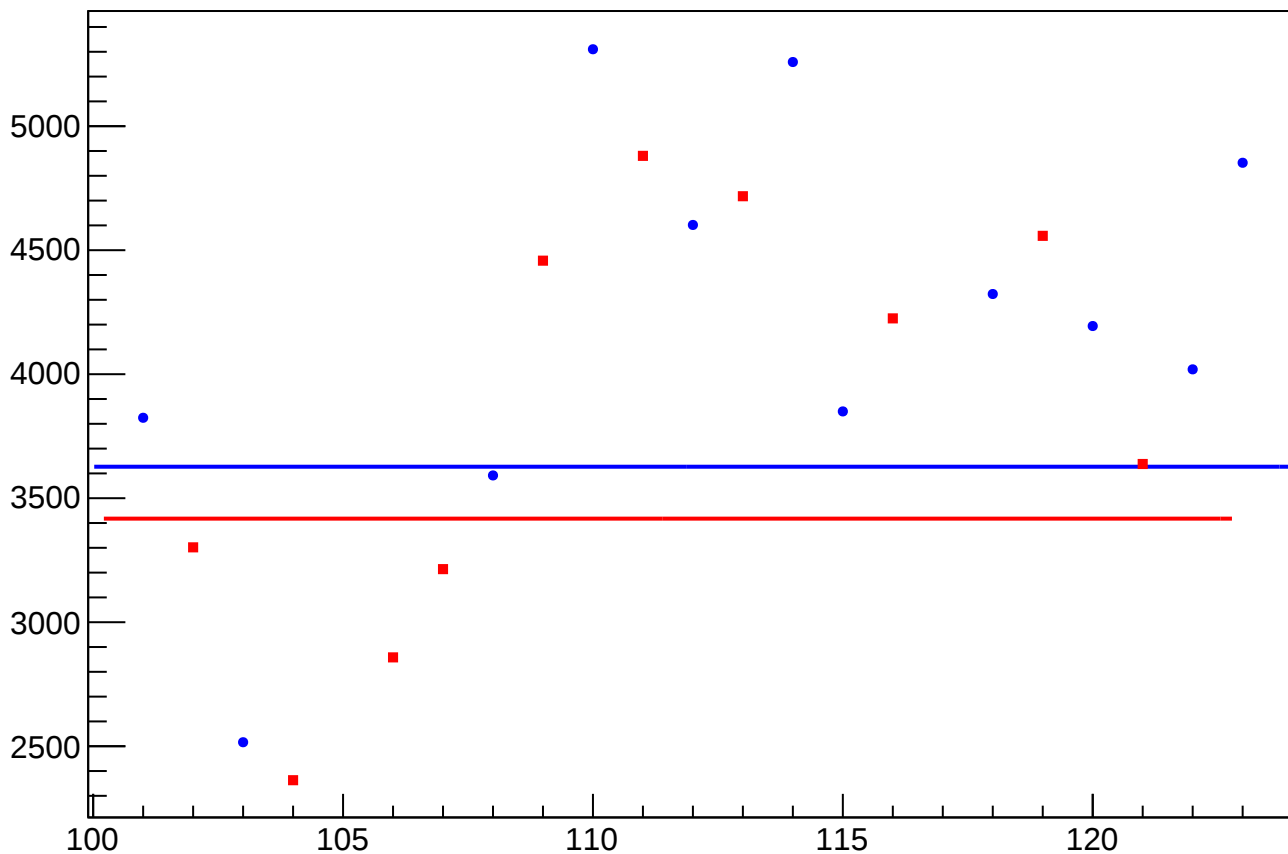
Right: 1214.466+/-1271.580  $\chi^2/\text{NDF}$ : 20.1/20

In: 1440.737+/-1893.262  $\chi^2/\text{NDF}$ : 9.1/10

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

All: 1214.466+/-1271.580  $\chi^2/\text{NDF}$ : 20.1/20

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



Right In: 3626.985+/-1.339  $\chi^2/\text{NDF}$ : 409259.0/10

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

Right Out: 3417.655+/-1.214  $\chi^2/\text{NDF}$ : 507094.8/9

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

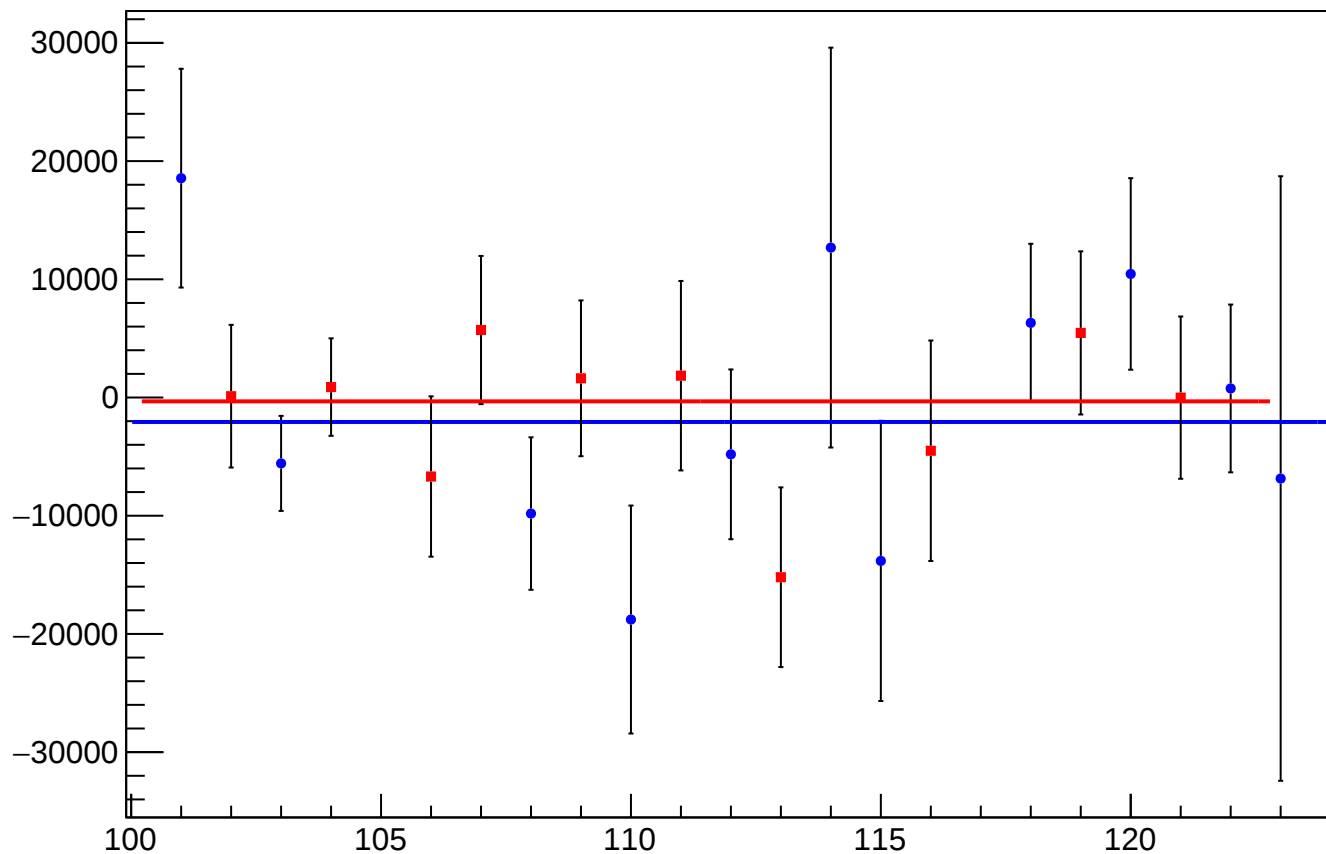
Right: 3512.082+/-0.899  $\chi^2/\text{NDF}$ : 929774.3/20

In: 3626.985+/-1.339  $\chi^2/\text{NDF}$ : 409259.0/10

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

All: 3512.082+/-0.899  $\chi^2/\text{NDF}$ : 929774.3/20

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



Right In: -2069.080+/-2251.240  $\chi^2/\text{NDF}$ : 16.2/10

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

Right Out: -325.617+/-2028.118  $\chi^2/\text{NDF}$ : 6.8/9

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

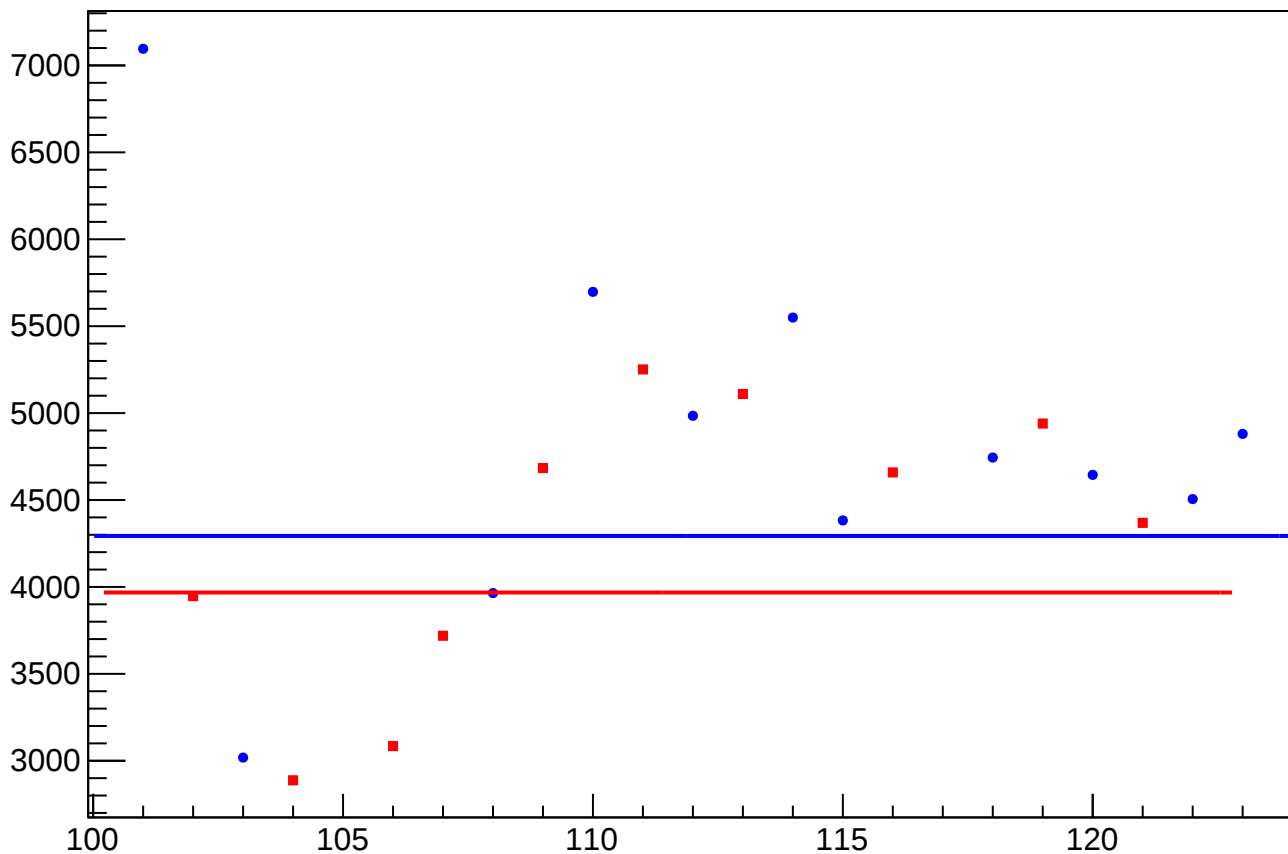
Right: -1106.692+/-1506.822  $\chi^2/\text{NDF}$ : 23.3/20

In: -2069.080+/-2251.240  $\chi^2/\text{NDF}$ : 16.2/10

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

All: -1106.692+/-1506.822  $\chi^2/\text{NDF}$ : 23.3/20

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



Right In: 4293.359+/-1.592  $\chi^2/\text{NDF}$ : 477545.8/10

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

Right Out: 3967.961+/-1.423  $\chi^2/\text{NDF}$ : 357984.0/9

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

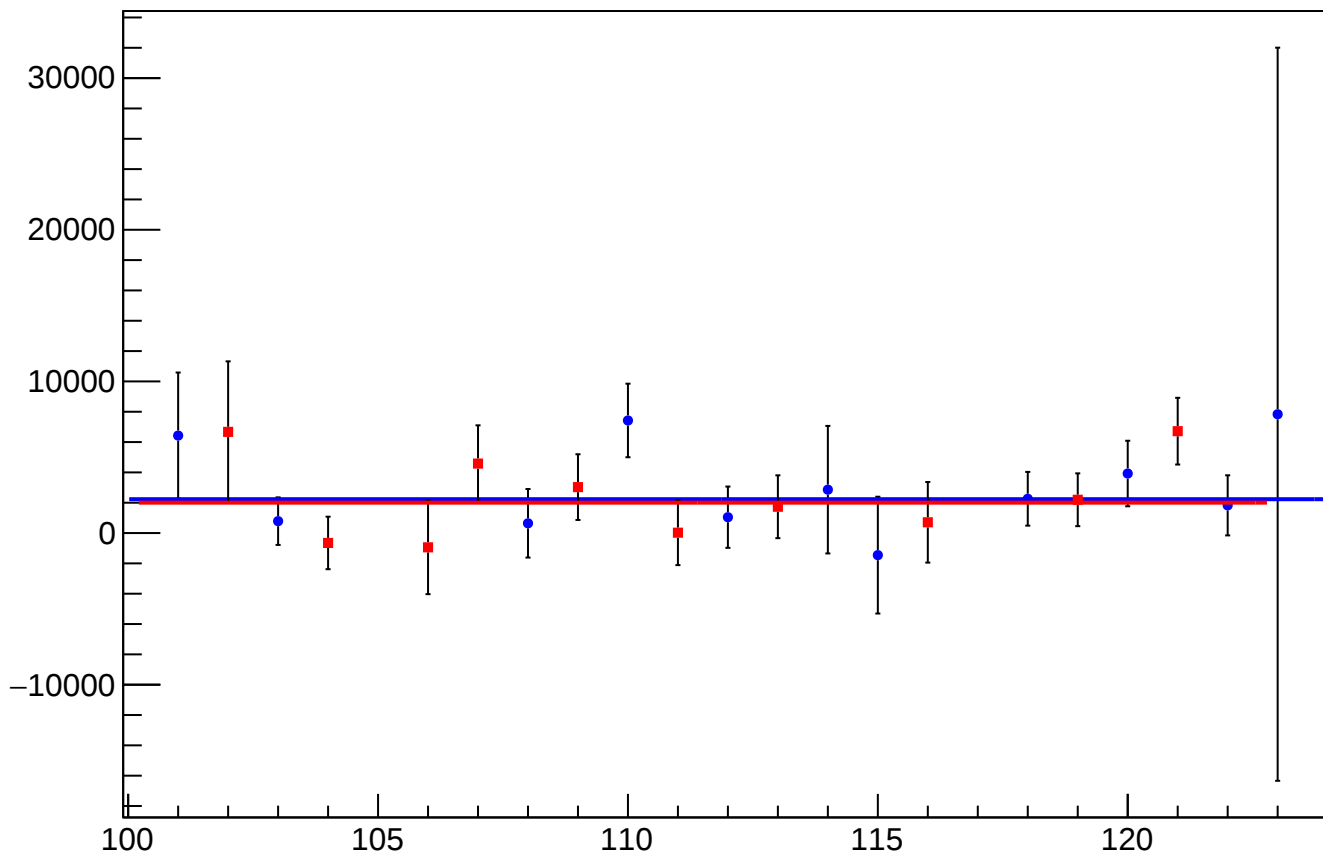
Right: 4112.455+/-1.061  $\chi^2/\text{NDF}$ : 858759.8/20

In: 4293.359+/-1.592  $\chi^2/\text{NDF}$ : 477545.8/10

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

All: 4112.455+/-1.061  $\chi^2/\text{NDF}$ : 858759.8/20

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



Right In: 2232.130+/-709.282  $\chi^2/\text{NDF}$ : 8.9/10

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

Right Out: 2004.895+/-709.828  $\chi^2/\text{NDF}$ : 11.3/9

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

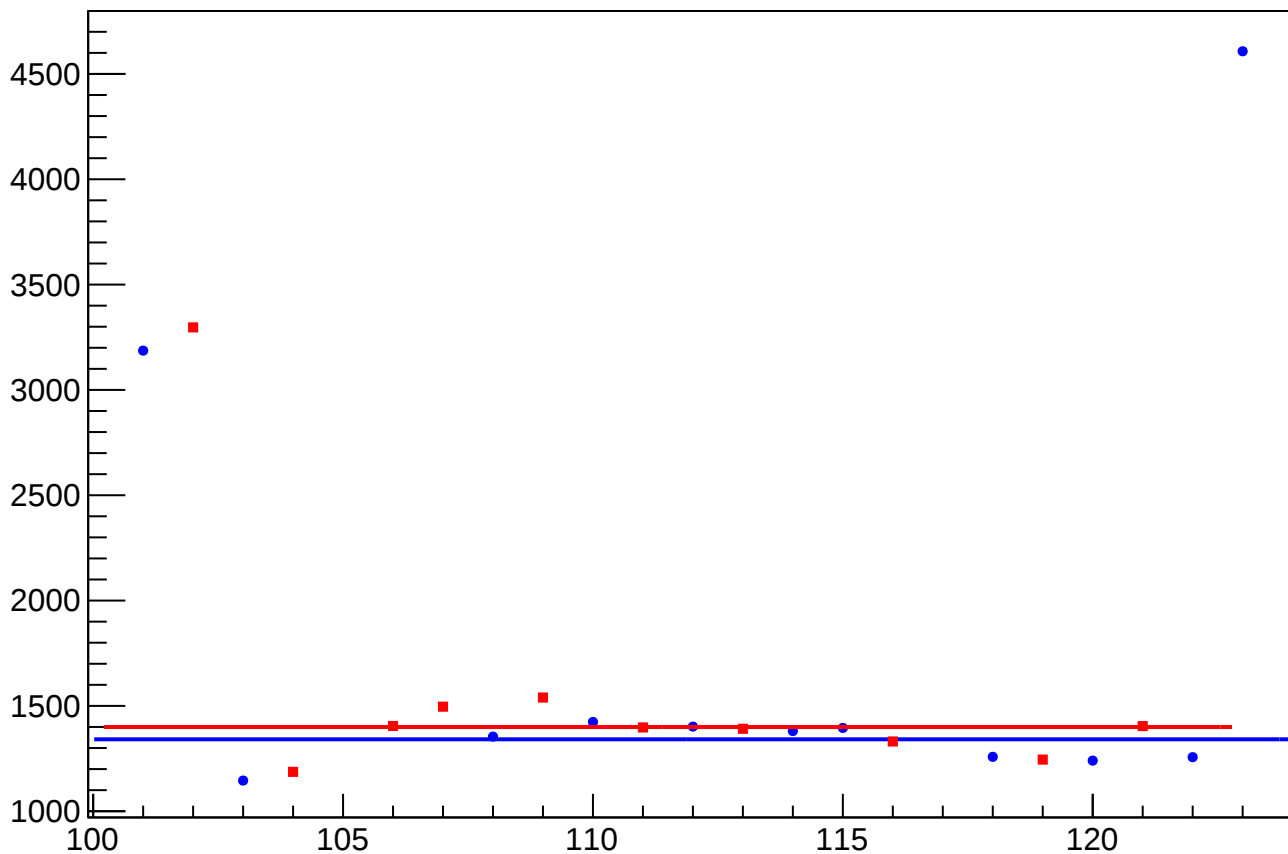
Right: 2118.600+/-501.731  $\chi^2/\text{NDF}$ : 20.2/20

In: 2232.130+/-709.282  $\chi^2/\text{NDF}$ : 8.9/10

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

All: 2118.600+/-501.731  $\chi^2/\text{NDF}$ : 20.2/20

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



Right In: 1341.454+/-0.502  $\chi^2/\text{NDF}$ : 478961.8/10

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

Right Out: 1399.742+/-0.502  $\chi^2/\text{NDF}$ : 391506.6/9

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

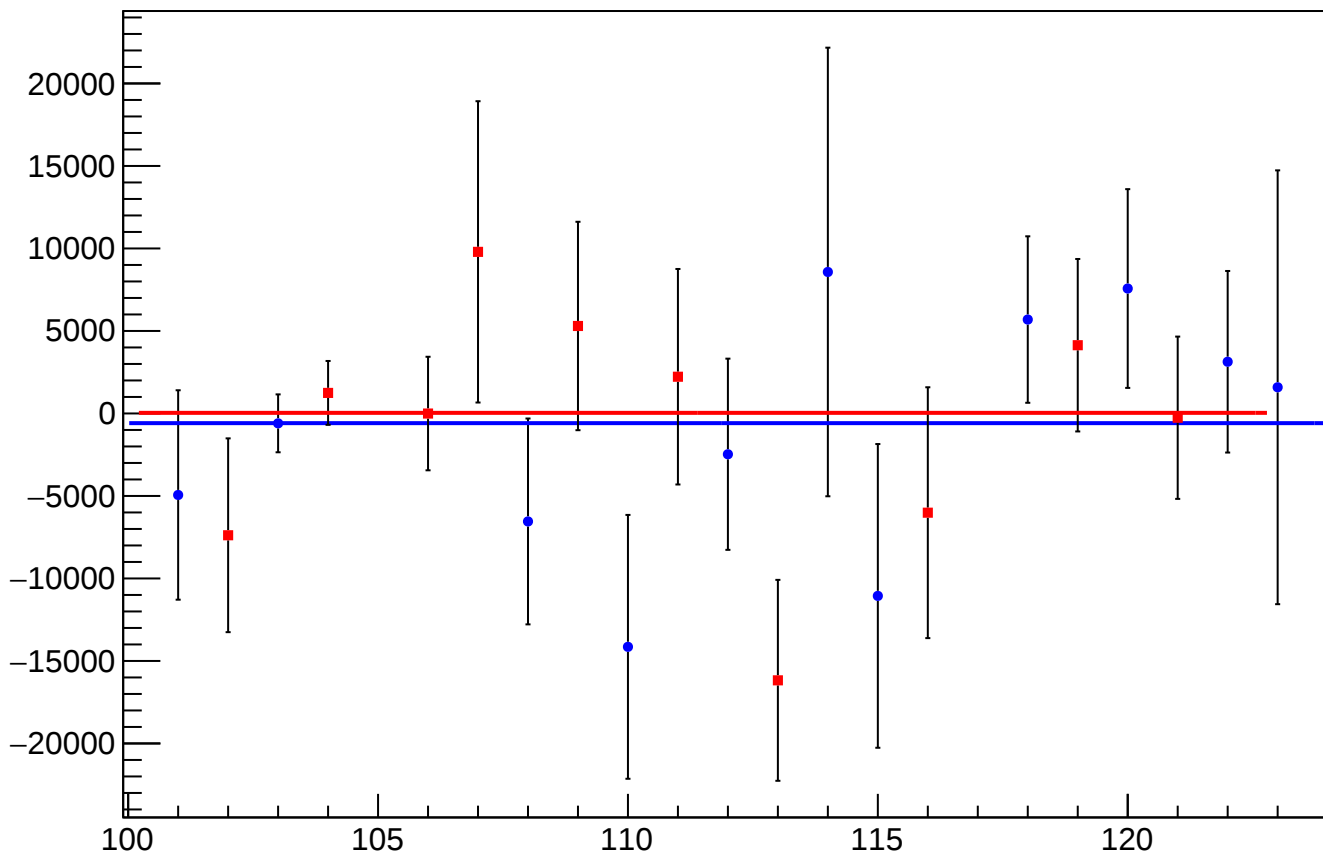
Right: 1370.599+/-0.355  $\chi^2/\text{NDF}$ : 877222.1/20

In: 1341.454+/-0.502  $\chi^2/\text{NDF}$ : 478961.8/10

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

All: 1370.599+/-0.355  $\chi^2/\text{NDF}$ : 877222.1/20

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



Right In: -587.282+/-1356.112  $\chi^2/\text{NDF}$ : 10.0/10

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

Right Out: 36.638+/-1332.637  $\chi^2/\text{NDF}$ : 12.3/9

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

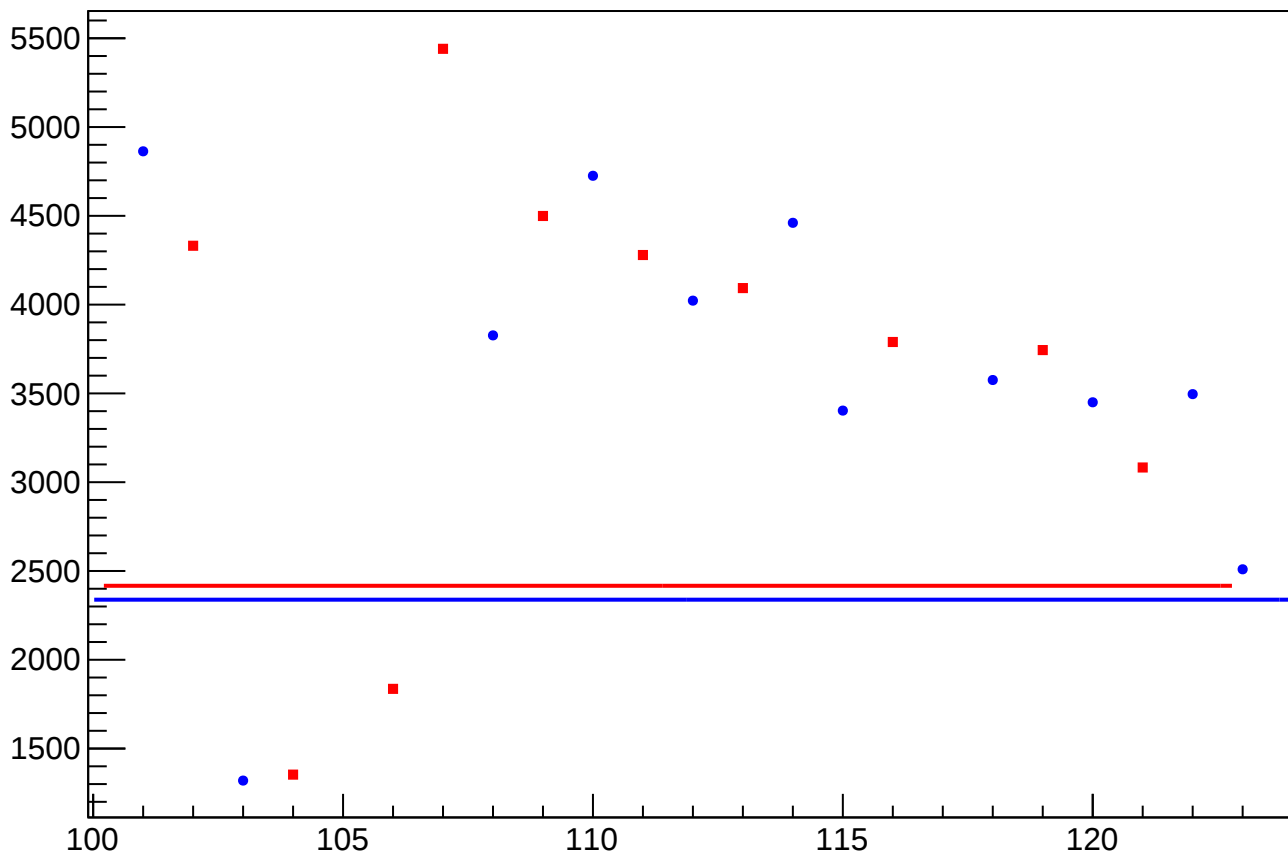
Right: -269.875+/-950.508  $\chi^2/\text{NDF}$ : 22.4/20

In: -587.282+/-1356.112  $\chi^2/\text{NDF}$ : 10.0/10

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

All: -269.875+/-950.508  $\chi^2/\text{NDF}$ : 22.4/20

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



Right In: 2338.369+/-0.959  $\chi^2/\text{NDF}$ : 1804807.6/10

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

Right Out: 2416.635+/-0.942  $\chi^2/\text{NDF}$ : 1855251.2/9

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

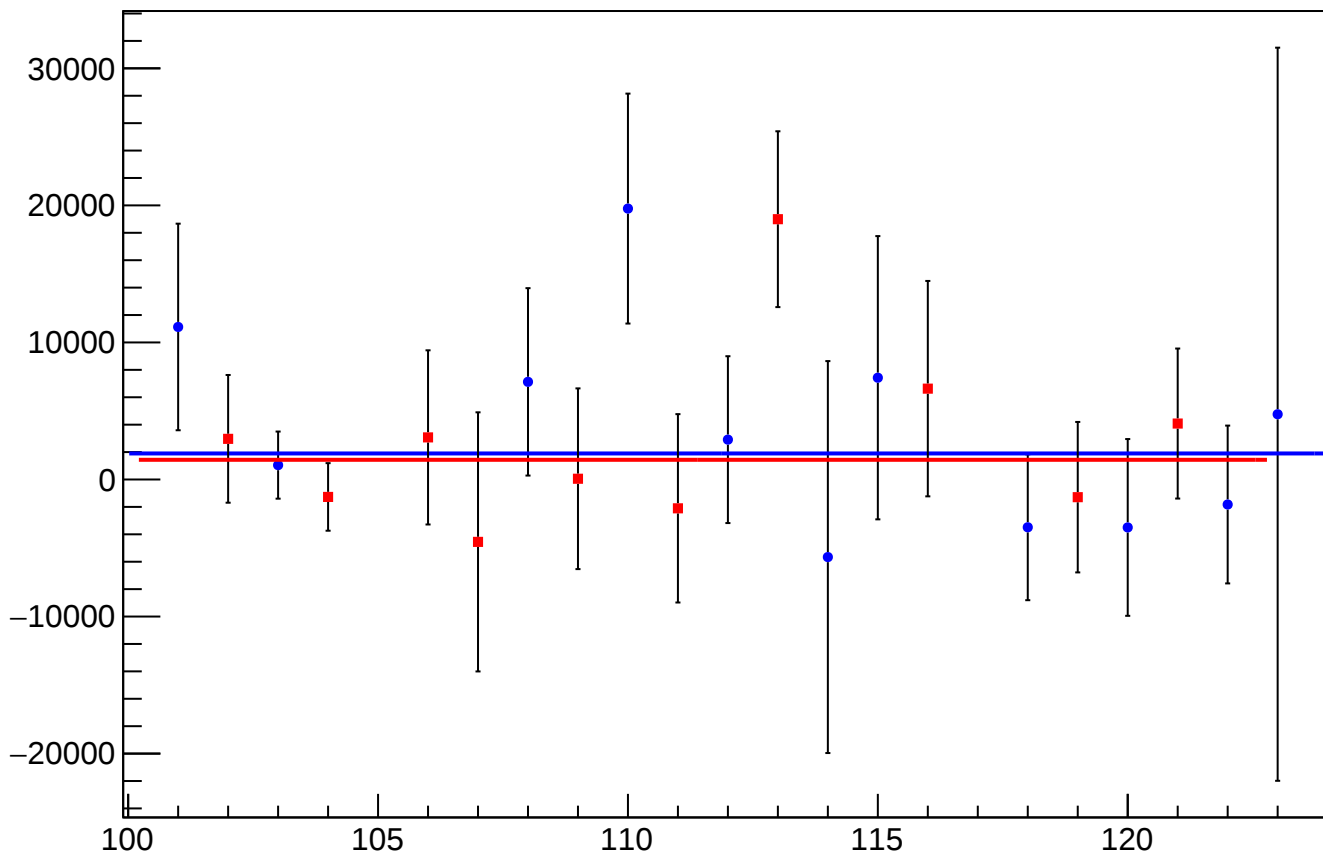
Right: 2378.185+/-0.672  $\chi^2/\text{NDF}$ : 3663447.9/20

In: 2338.369+/-0.959  $\chi^2/\text{NDF}$ : 1804807.6/10

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

All: 2378.185+/-0.672  $\chi^2/\text{NDF}$ : 3663447.9/20

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



Right In: 1899.766+/-1685.141  $\chi^2/\text{NDF}$ : 9.5/10

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

Right Out: 1436.804+/-1585.549  $\chi^2/\text{NDF}$ : 10.5/9

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

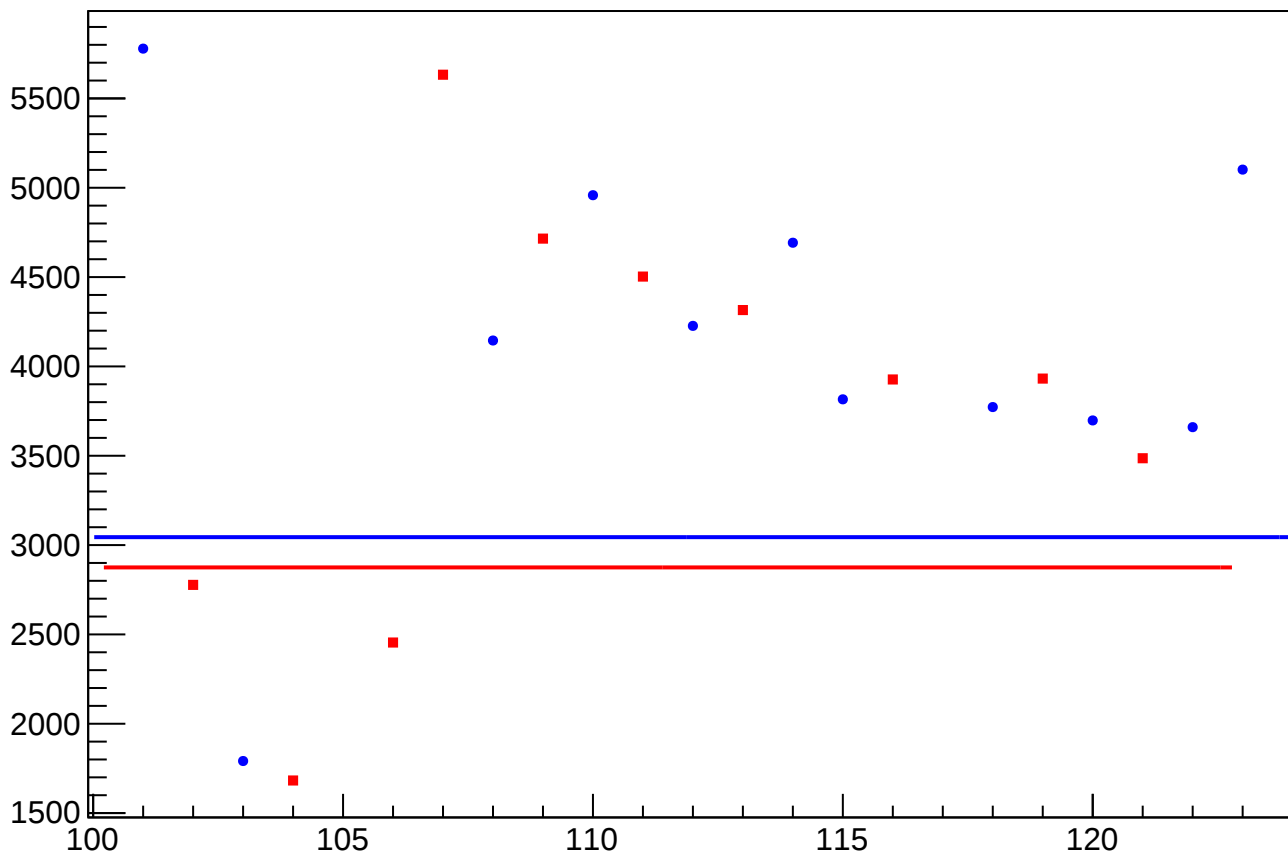
Right: 1654.201+/-1154.756  $\chi^2/\text{NDF}$ : 20.0/20

In: 1899.766+/-1685.141  $\chi^2/\text{NDF}$ : 9.5/10

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

All: 1654.201+/-1154.756  $\chi^2/\text{NDF}$ : 20.0/20

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



Right In: 3044.364+/-1.192  $\chi^2/\text{NDF}$ : 1148782.3/10

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

Right Out: 2874.965+/-1.108  $\chi^2/\text{NDF}$ : 1155091.1/9

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

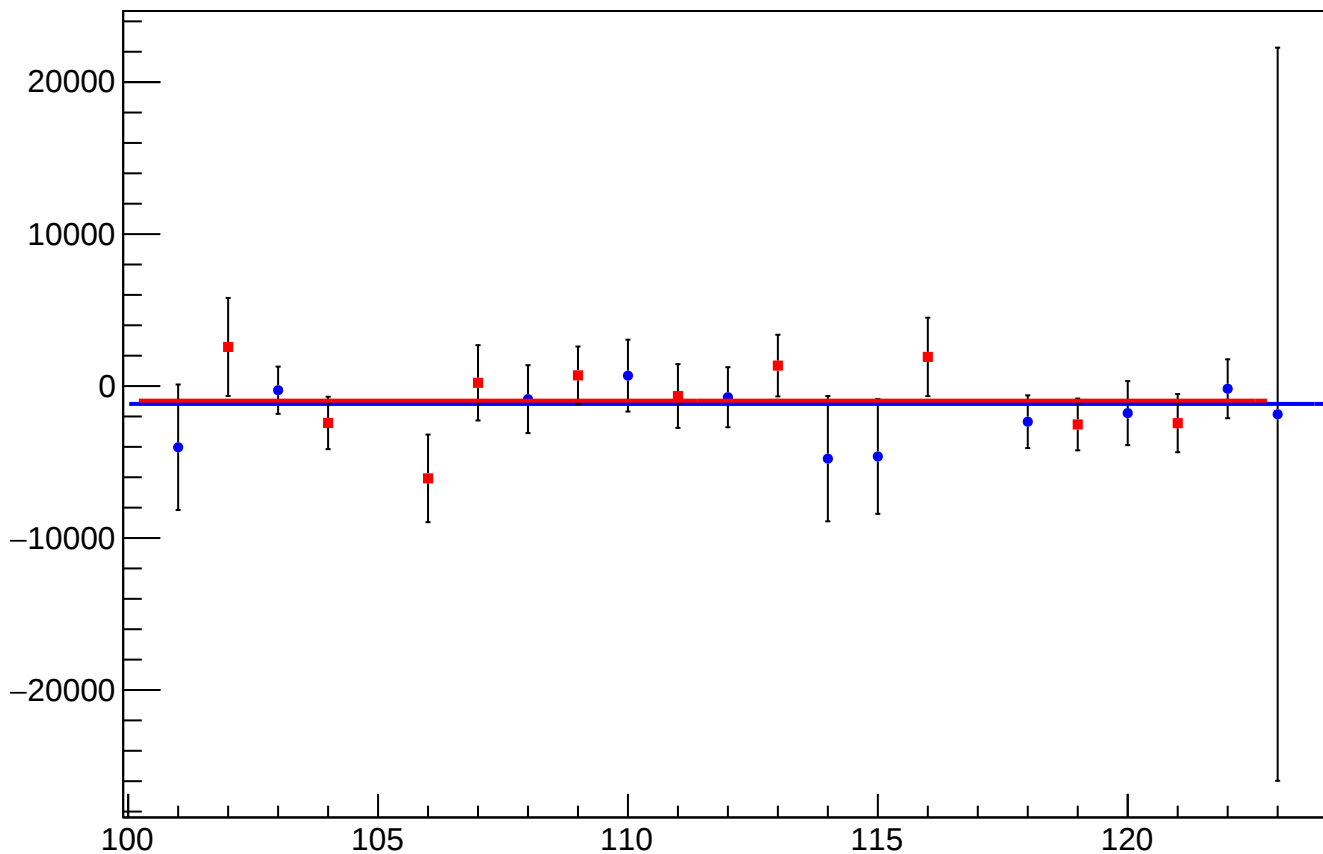
Right: 2953.497+/-0.811  $\chi^2/\text{NDF}$ : 2314715.1/20

In: 3044.364+/-1.192  $\chi^2/\text{NDF}$ : 1148782.3/10

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

All: 2953.497+/-0.811  $\chi^2/\text{NDF}$ : 2314715.1/20

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



Right In: -1174.384+/-696.276  $\chi^2/\text{NDF}$ : 3.9/10

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

Right Out: -958.092+/-669.436  $\chi^2/\text{NDF}$ : 10.1/9

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

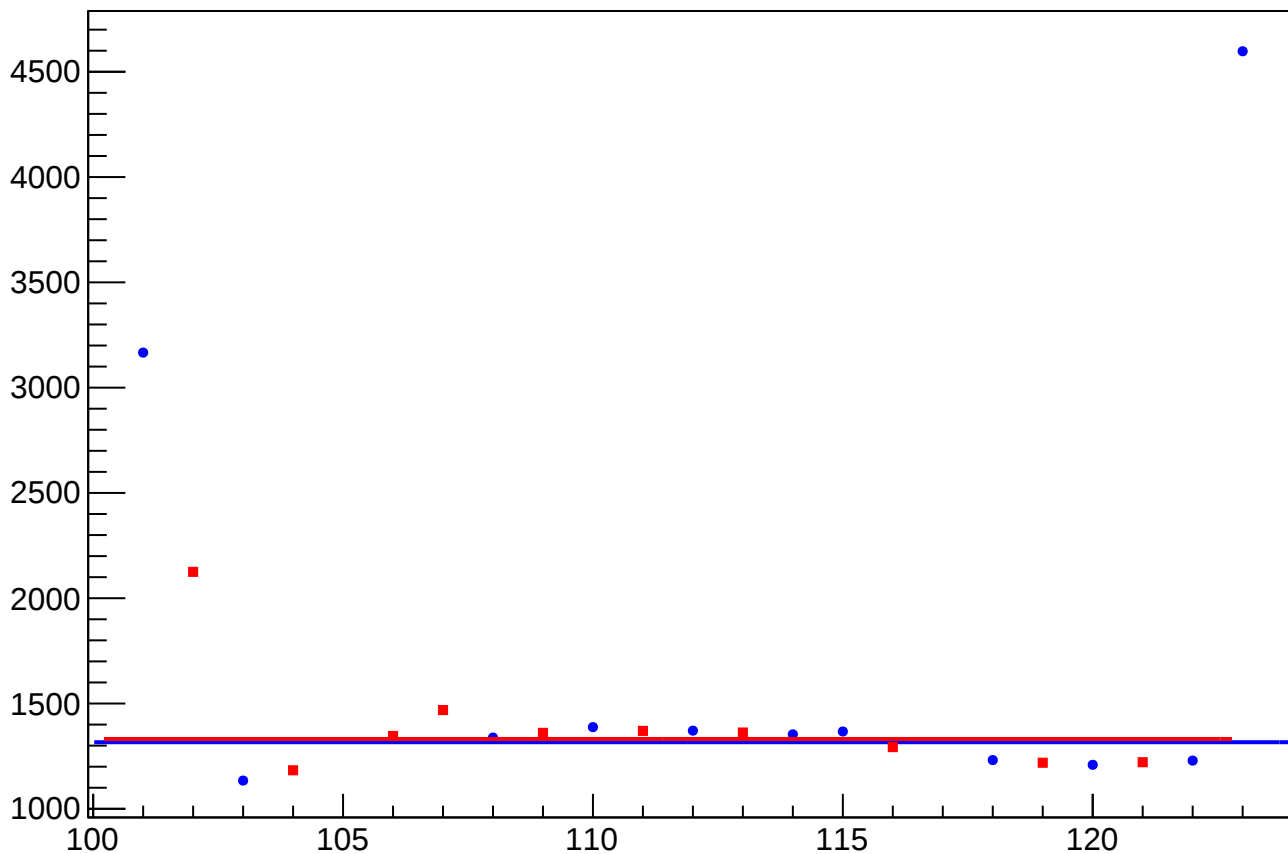
Right: -1061.989+/-482.572  $\chi^2/\text{NDF}$ : 14.0/20

In: -1174.384+/-696.276  $\chi^2/\text{NDF}$ : 3.9/10

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

All: -1061.989+/-482.572  $\chi^2/\text{NDF}$ : 14.0/20

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



Right In: 1316.223+/-0.492  $\chi^2/\text{NDF}$ : 483884.4/10

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

Right Out: 1331.581+/-0.473  $\chi^2/\text{NDF}$ : 159612.5/9

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

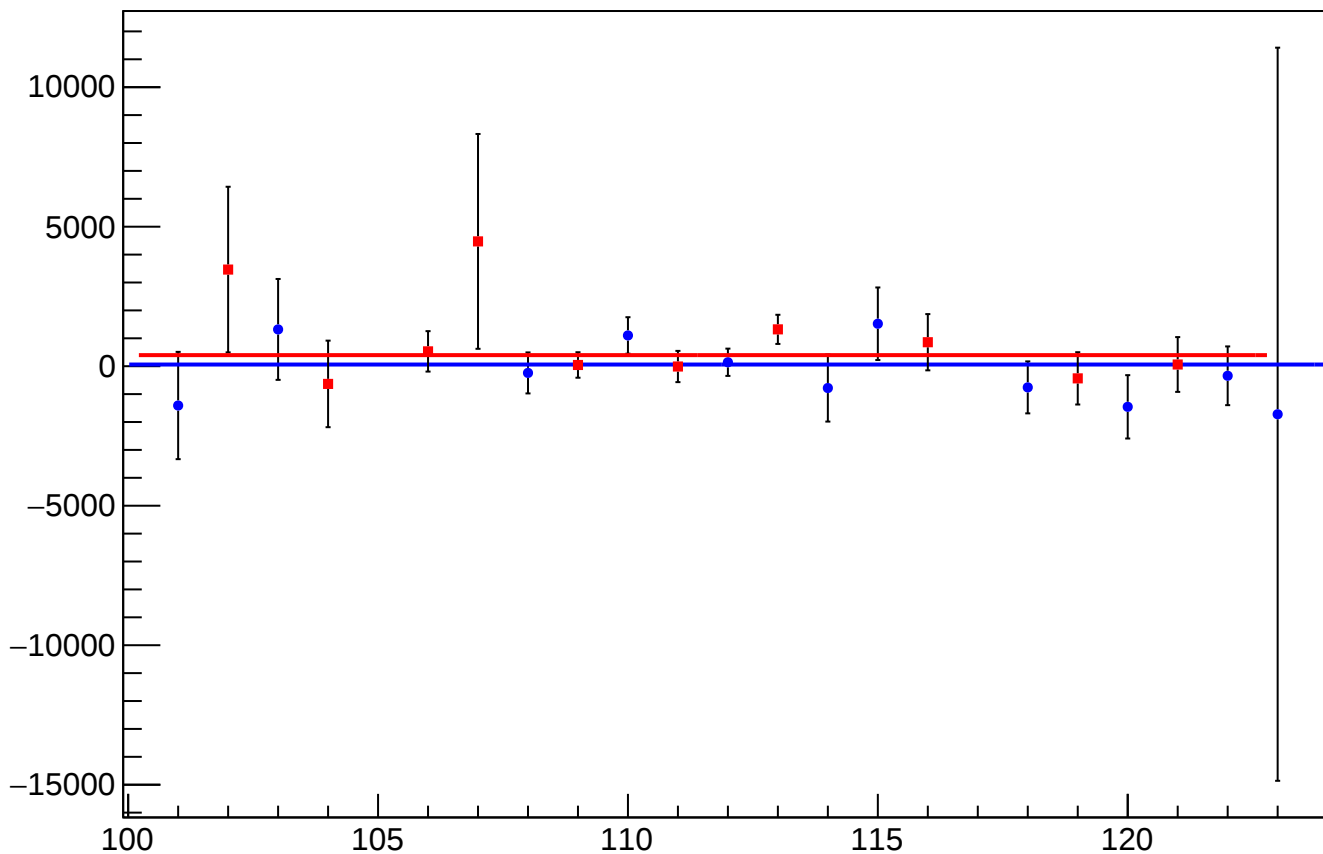
Right: 1324.204+/-0.341  $\chi^2/\text{NDF}$ : 644002.6/20

In: 1316.223+/-0.492  $\chi^2/\text{NDF}$ : 483884.4/10

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

All: 1324.204+/-0.341  $\chi^2/\text{NDF}$ : 644002.6/20

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



Right In: 59.994+/-276.529  $\chi^2/\text{NDF}$ : 8.3/10

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

Right Out: 397.135+/-240.300  $\chi^2/\text{NDF}$ : 8.0/9

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

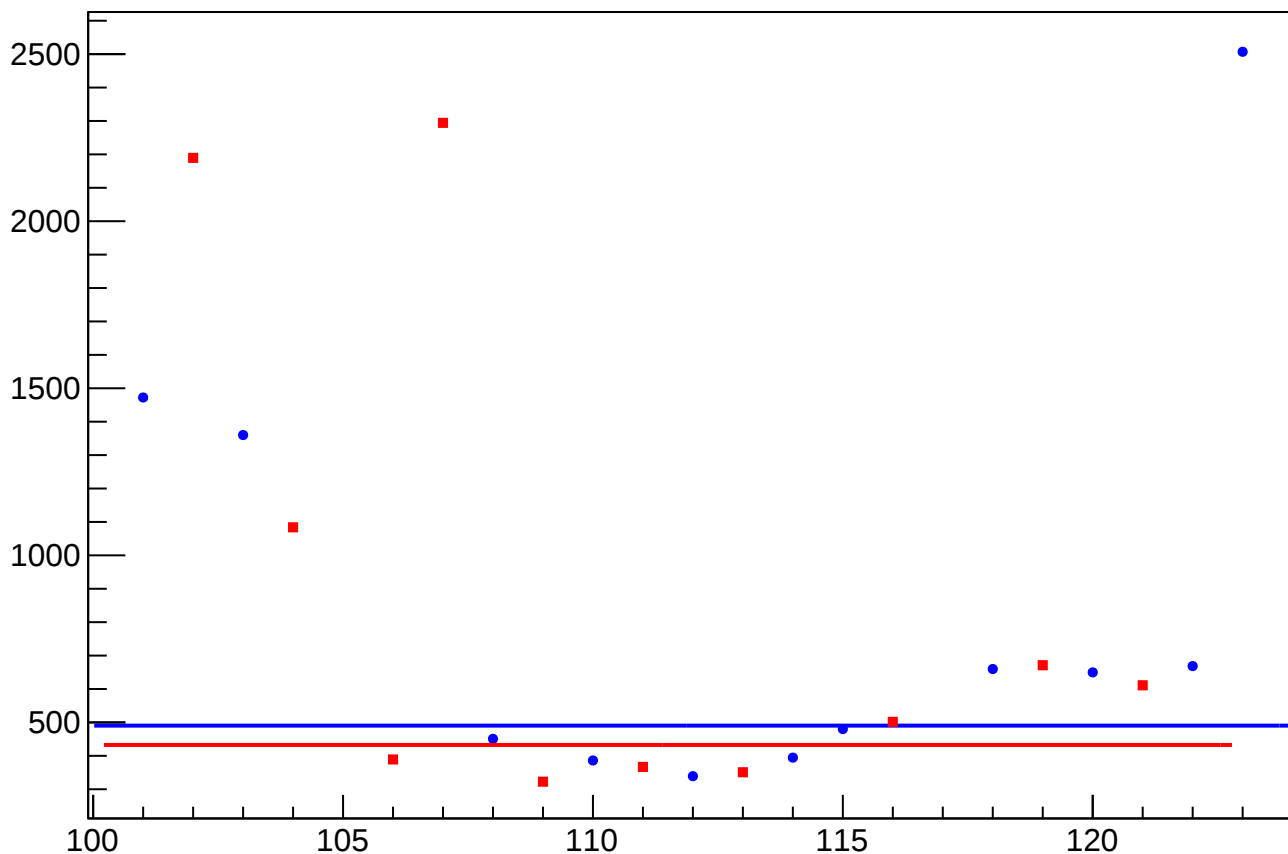
Right: 252.083+/-181.384  $\chi^2/\text{NDF}$ : 17.2/20

In: 59.994+/-276.529  $\chi^2/\text{NDF}$ : 8.3/10

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

All: 252.083+/-181.384  $\chi^2/\text{NDF}$ : 17.2/20

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



Right In: 490.410+/-0.196  $\chi^2/\text{NDF}$ : 1455707.6/10

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

Right Out: 432.612+/-0.170  $\chi^2/\text{NDF}$ : 1926356.2/9

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

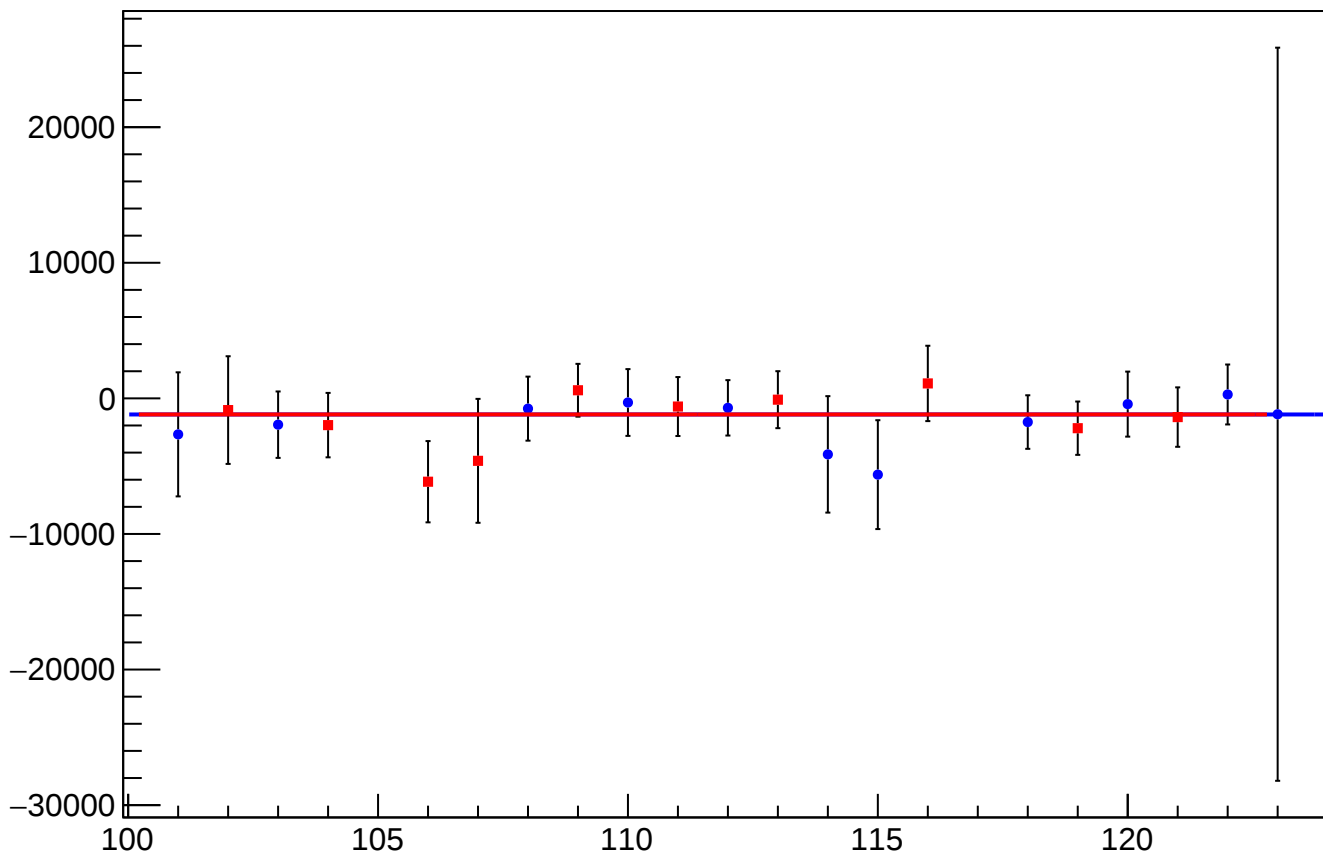
Right: 457.479+/-0.128  $\chi^2/\text{NDF}$ : 3431844.8/20

In: 490.410+/-0.196  $\chi^2/\text{NDF}$ :1455707.6/10

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

All: 457.479+/-0.128  $\chi^2/\text{NDF}$ : 3431844.8/20

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



Right In: -1187.556+/-802.973  $\chi^2/\text{NDF}$ : 2.7/10

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

Right Out: -1186.804+/-767.475  $\chi^2/\text{NDF}$ : 5.5/9

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

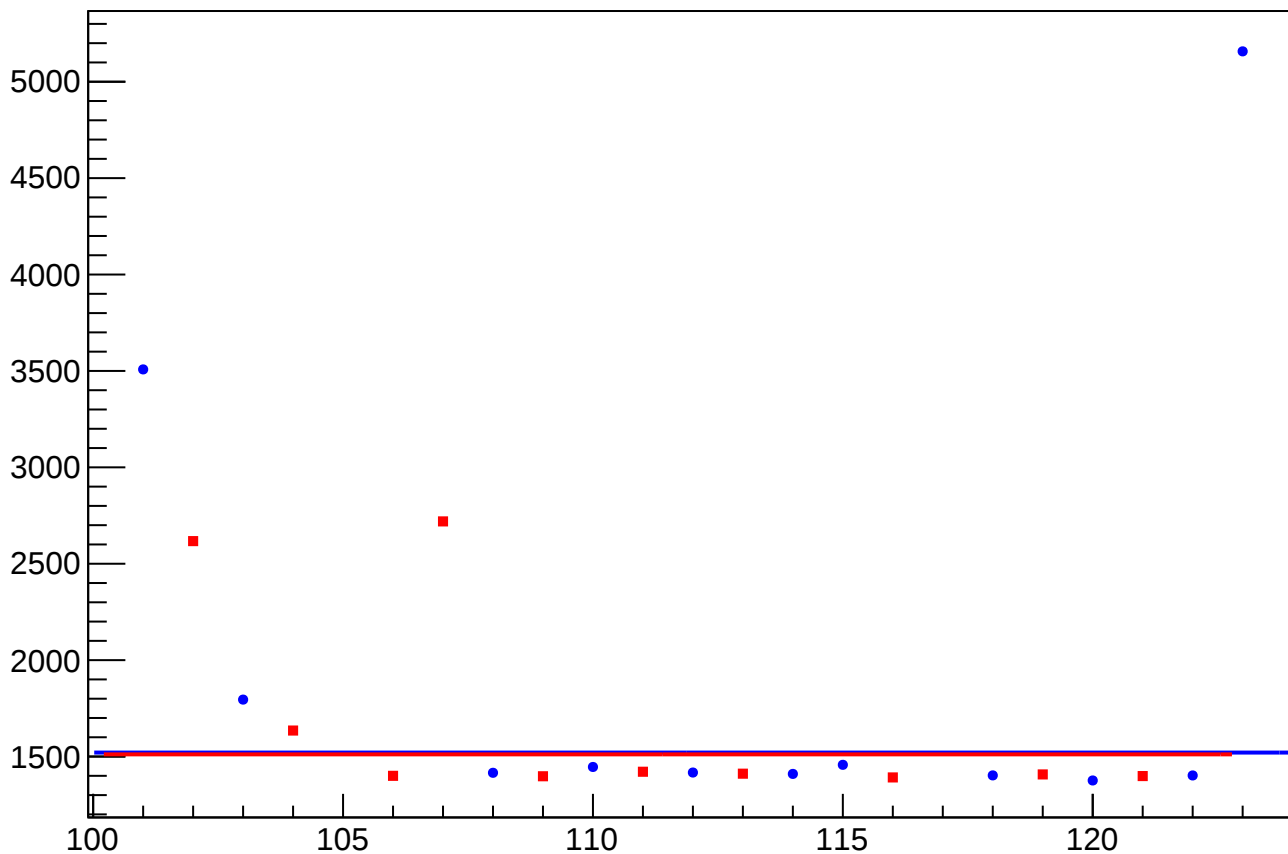
Right: -1187.163+/-554.812  $\chi^2/\text{NDF}$ : 8.3/20

In: -1187.556+/-802.973  $\chi^2/\text{NDF}$ : 2.7/10

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

All: -1187.163+/-554.812  $\chi^2/\text{NDF}$ : 8.3/20

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



Right In: 1520.631+/-0.568  $\chi^2/\text{NDF}$ : 471770.0/10

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

Right Out: 1511.299+/-0.543  $\chi^2/\text{NDF}$ : 332626.6/9

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

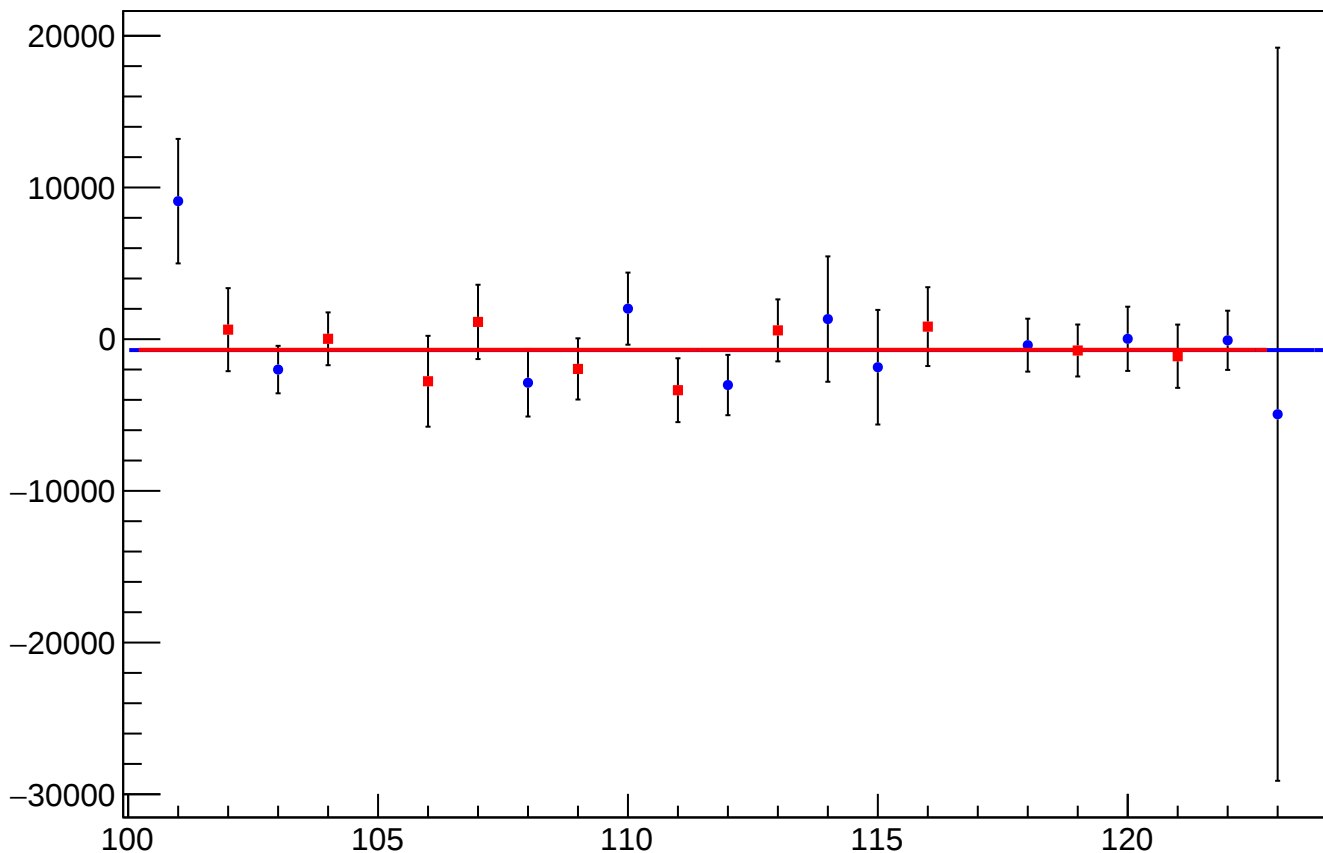
Right: 1515.754+/-0.392  $\chi^2/\text{NDF}$ : 804537.8/20

In: 1520.631+/-0.568  $\chi^2/\text{NDF}$ : 471770.0/10

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

All: 1515.754+/-0.392  $\chi^2/\text{NDF}$ : 804537.8/20

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



Right In: -718.474+/-699.489  $\chi^2/\text{NDF}$ : 10.6/10

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

Right Out: -699.986+/-678.599  $\chi^2/\text{NDF}$ : 4.2/9

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

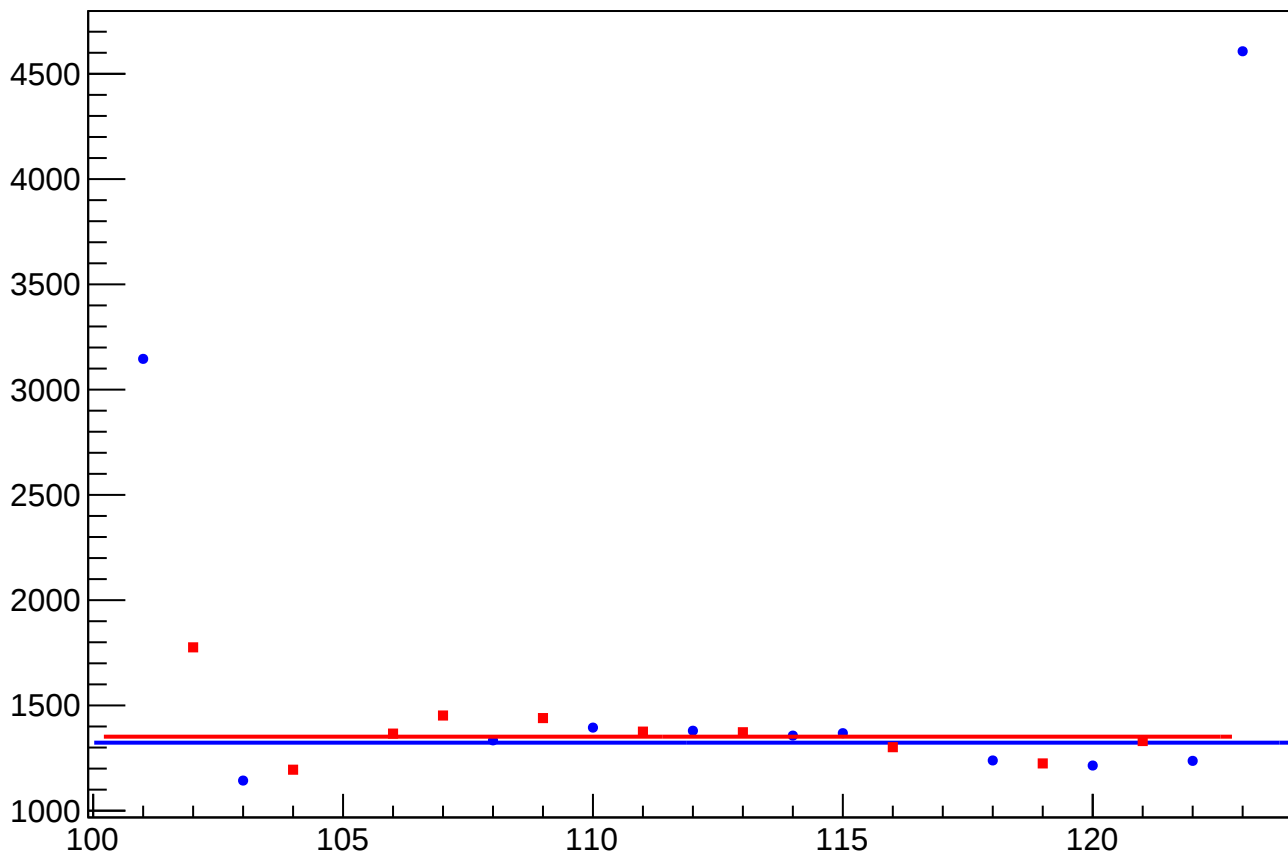
Right: -708.950+/-487.060  $\chi^2/\text{NDF}$ : 14.8/20

In: -718.474+/-699.489  $\chi^2/\text{NDF}$ : 10.6/10

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

All: -708.950+/-487.060  $\chi^2/\text{NDF}$ : 14.8/20

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



Right In: 1323.144+/-0.495  $\chi^2/\text{NDF}$ : 475719.9/10

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

Right Out: 1351.620+/-0.479  $\chi^2/\text{NDF}$ : 83984.5/9

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

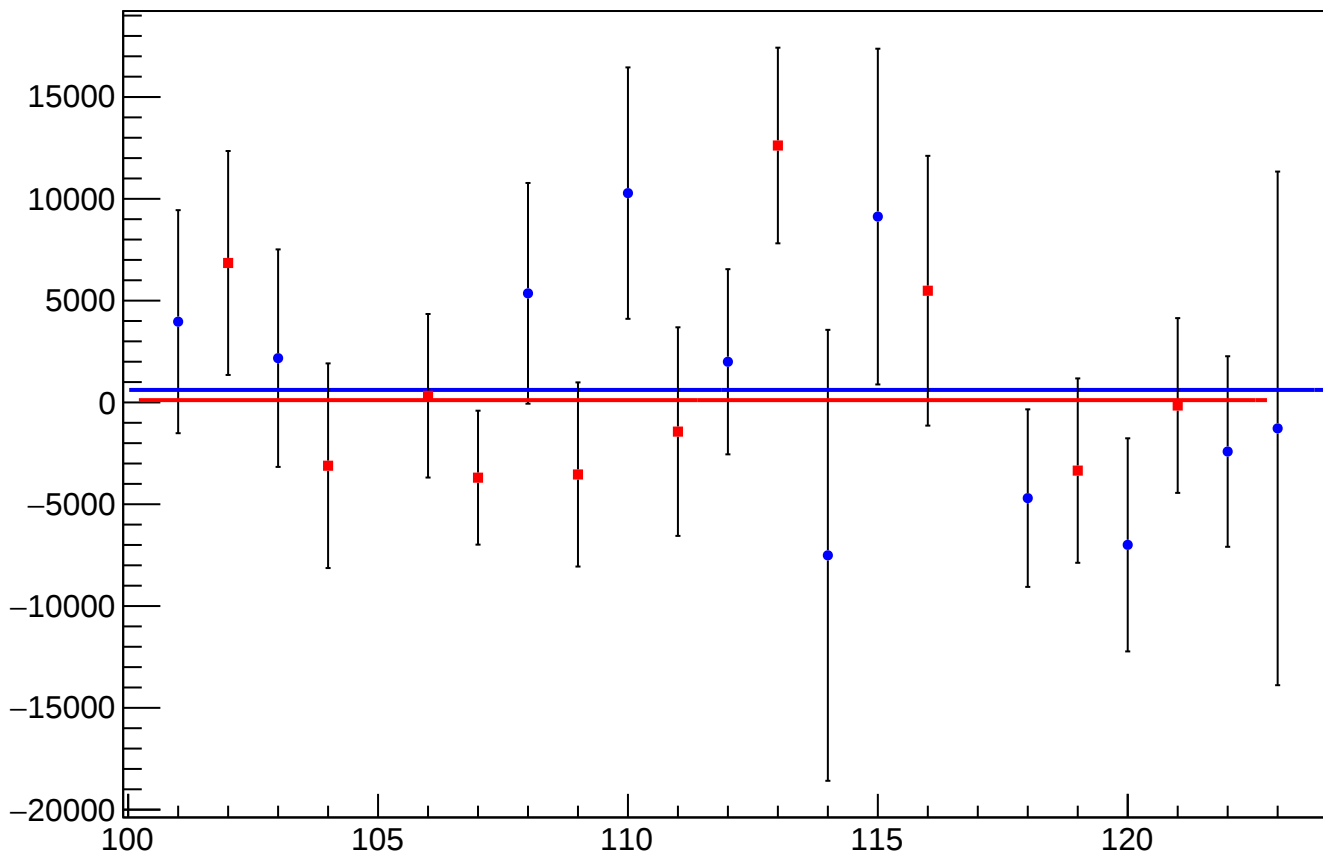
Right: 1337.827+/-0.344  $\chi^2/\text{NDF}$ : 561413.5/20

In: 1323.144+/-0.495  $\chi^2/\text{NDF}$ : 475719.9/10

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

All: 1337.827+/-0.344  $\chi^2/\text{NDF}$ : 561413.5/20

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



Right In: 614.568+/-1712.657  $\chi^2/\text{NDF}$ : 9.4/10

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

Right Out: 113.412+/-1438.548  $\chi^2/\text{NDF}$ : 12.0/9

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

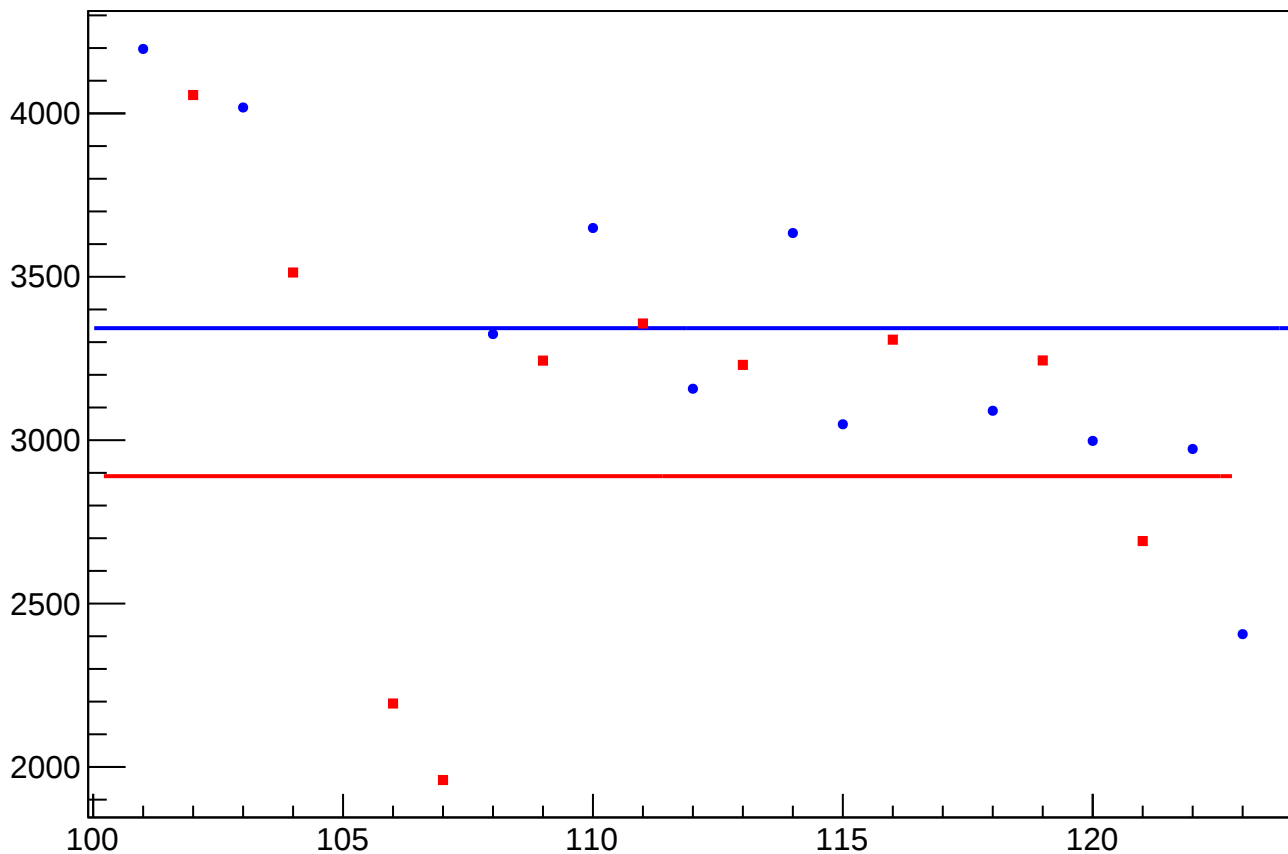
Right: 320.724+/-1101.530  $\chi^2/\text{NDF}$ : 21.5/20

In: 614.568+/-1712.657  $\chi^2/\text{NDF}$ : 9.4/10

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

All: 320.724+/-1101.530  $\chi^2/\text{NDF}$ : 21.5/20

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



Right In: 3342.797+/-1.211  $\chi^2/\text{NDF}$ : 131744.4/10

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

Right Out: 2889.918+/-1.017  $\chi^2/\text{NDF}$ : 403940.8/9

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

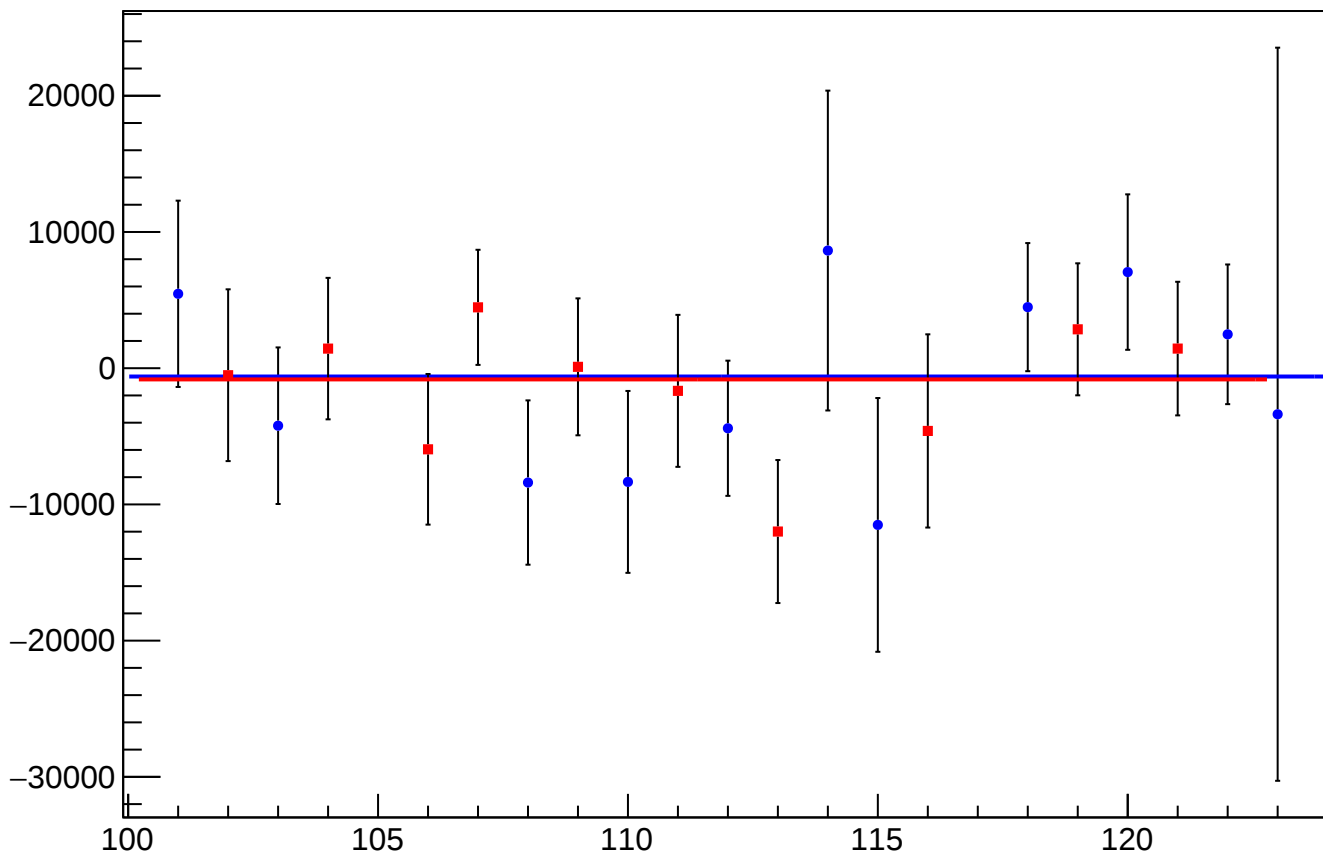
Right: 3077.260+/-0.779  $\chi^2/\text{NDF}$ : 617681.9/20

In: 3342.797+/-1.211  $\chi^2/\text{NDF}$ :131744.4/10

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

All: 3077.260+/-0.779  $\chi^2/\text{NDF}$ : 617681.9/20

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



Right In: -610.136+/-1902.353  $\chi^2/\text{NDF}$ : 10.1/10

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

Right Out: -822.870+/-1659.735  $\chi^2/\text{NDF}$ : 8.3/9

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

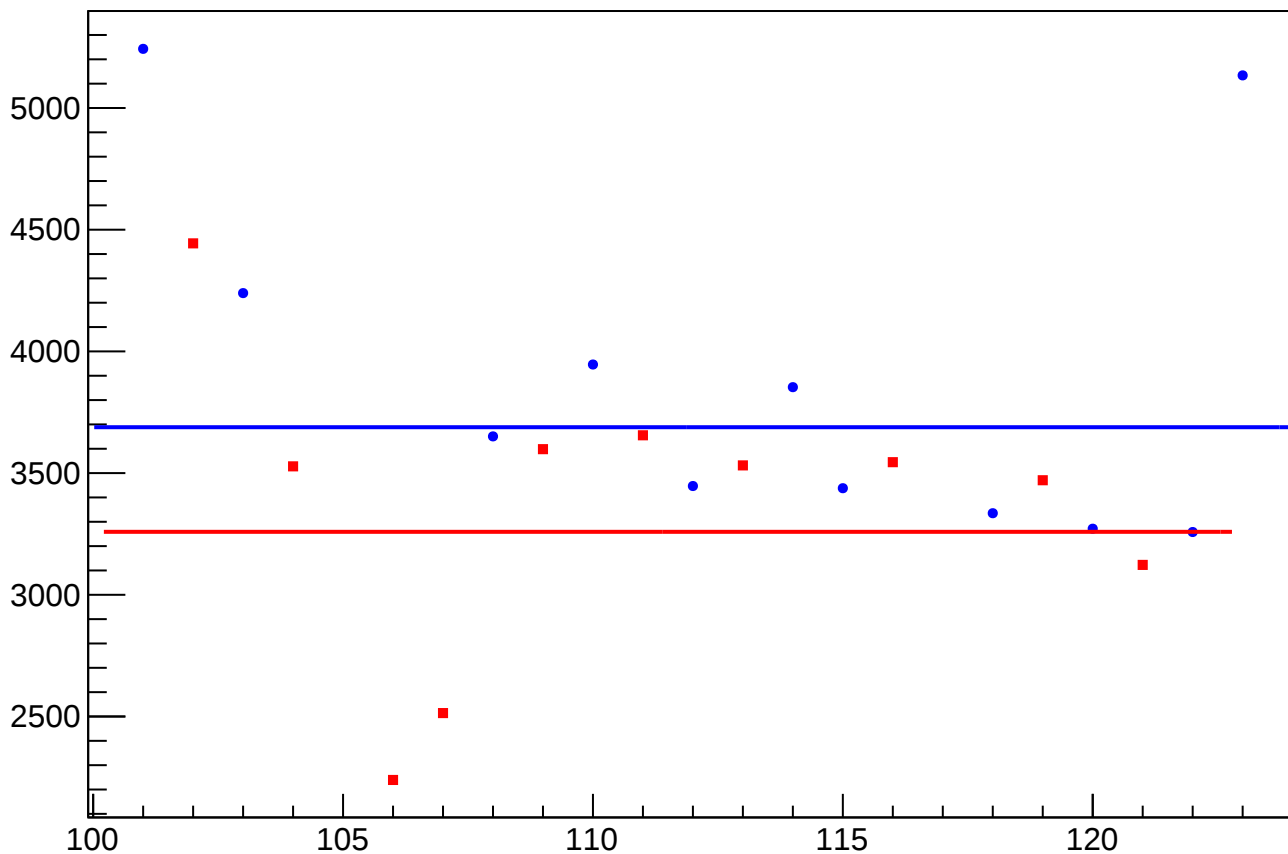
Right: -730.926+/-1250.648  $\chi^2/\text{NDF}$ : 18.4/20

In: -610.136+/-1902.353  $\chi^2/\text{NDF}$ : 10.1/10

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

All: -730.926+/-1250.648  $\chi^2/\text{NDF}$ : 18.4/20

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



Right In: 3688.522+/-1.345  $\chi^2/\text{NDF}$ : 173216.7/10

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

Right Out: 3258.743+/-1.158  $\chi^2/\text{NDF}$ : 259550.2/9

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

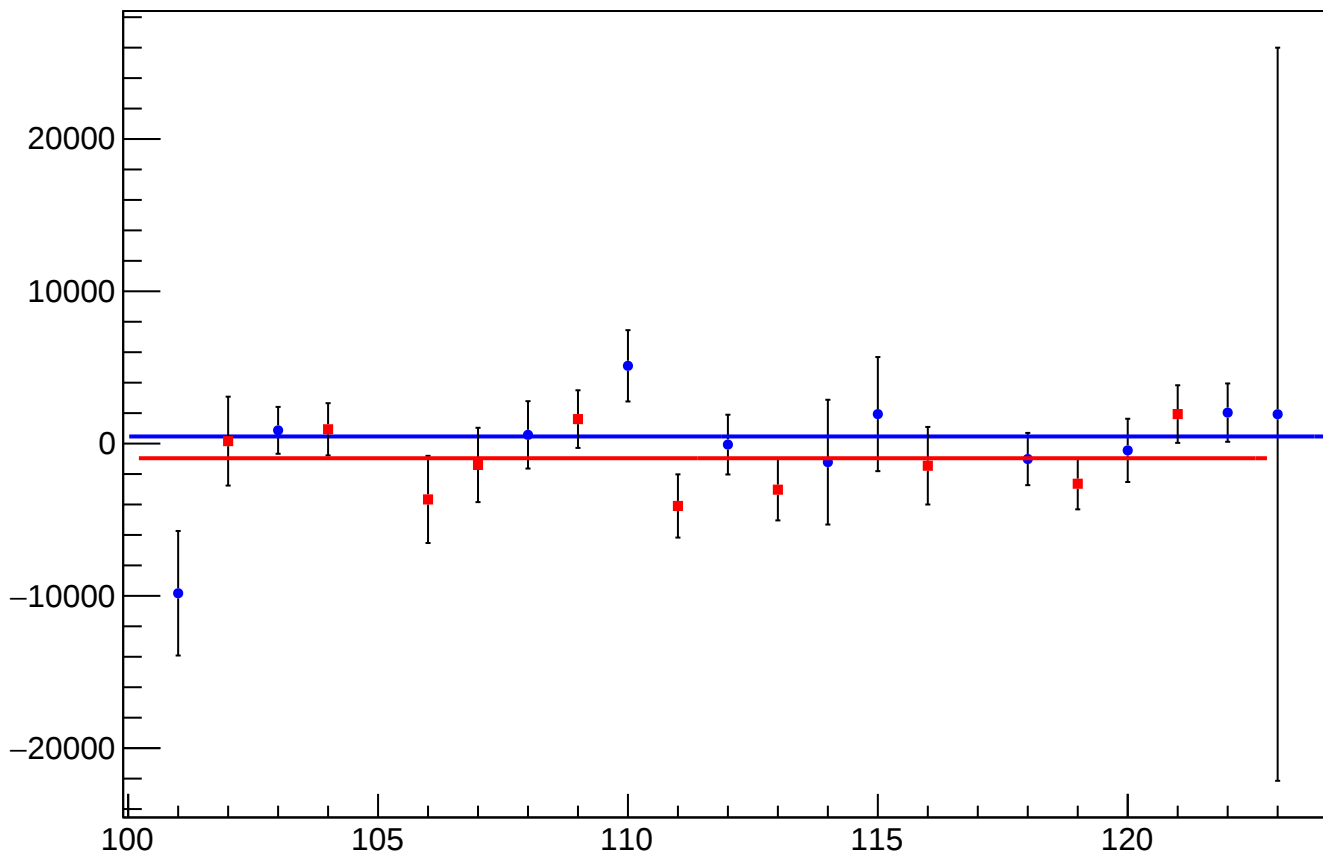
Right: 3441.730+/-0.878  $\chi^2/\text{NDF}$ : 491388.8/20

In: 3688.522+/-1.345  $\chi^2/\text{NDF}$ : 173216.7/10

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

All: 3441.730+/-0.878  $\chi^2/\text{NDF}$ : 491388.8/20

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



Right In: 467.582 $\pm$ 689.220  $\chi^2$ /NDF: 12.3/10

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

Right Out: -961.885 $\pm$ 660.732  $\chi^2$ /NDF: 10.8/9

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

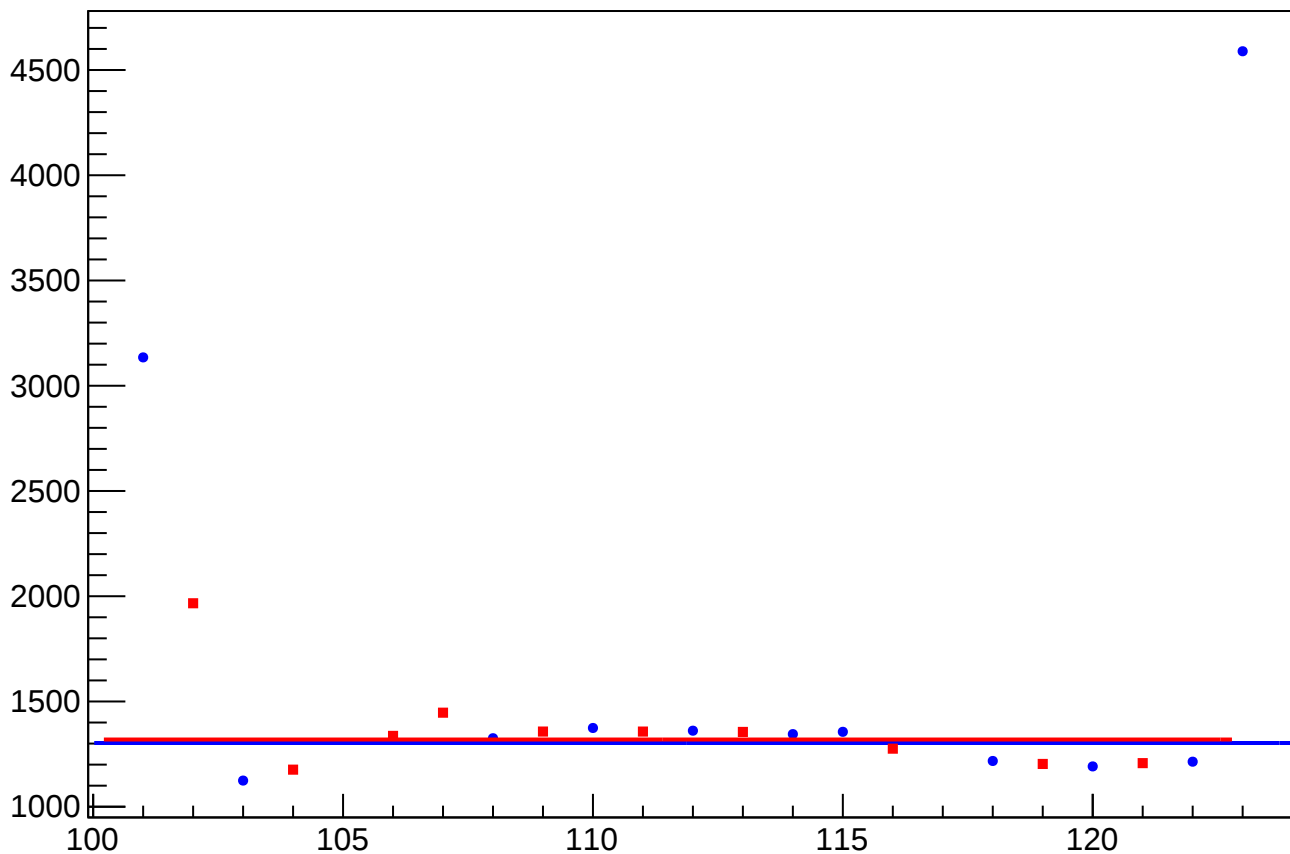
Right: -277.304 $\pm$ 476.961  $\chi^2$ /NDF: 25.4/20

In: 467.582 $\pm$ 689.220  $\chi^2$ /NDF:12.3/10

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

All: -277.304 $\pm$ 476.961  $\chi^2$ /NDF: 25.4/20

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



Right In: 1302.749+/-0.487  $\chi^2/\text{NDF}$ : 485018.3/10

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

Right Out: 1319.277+/-0.467  $\chi^2/\text{NDF}$ : 137076.5/9

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

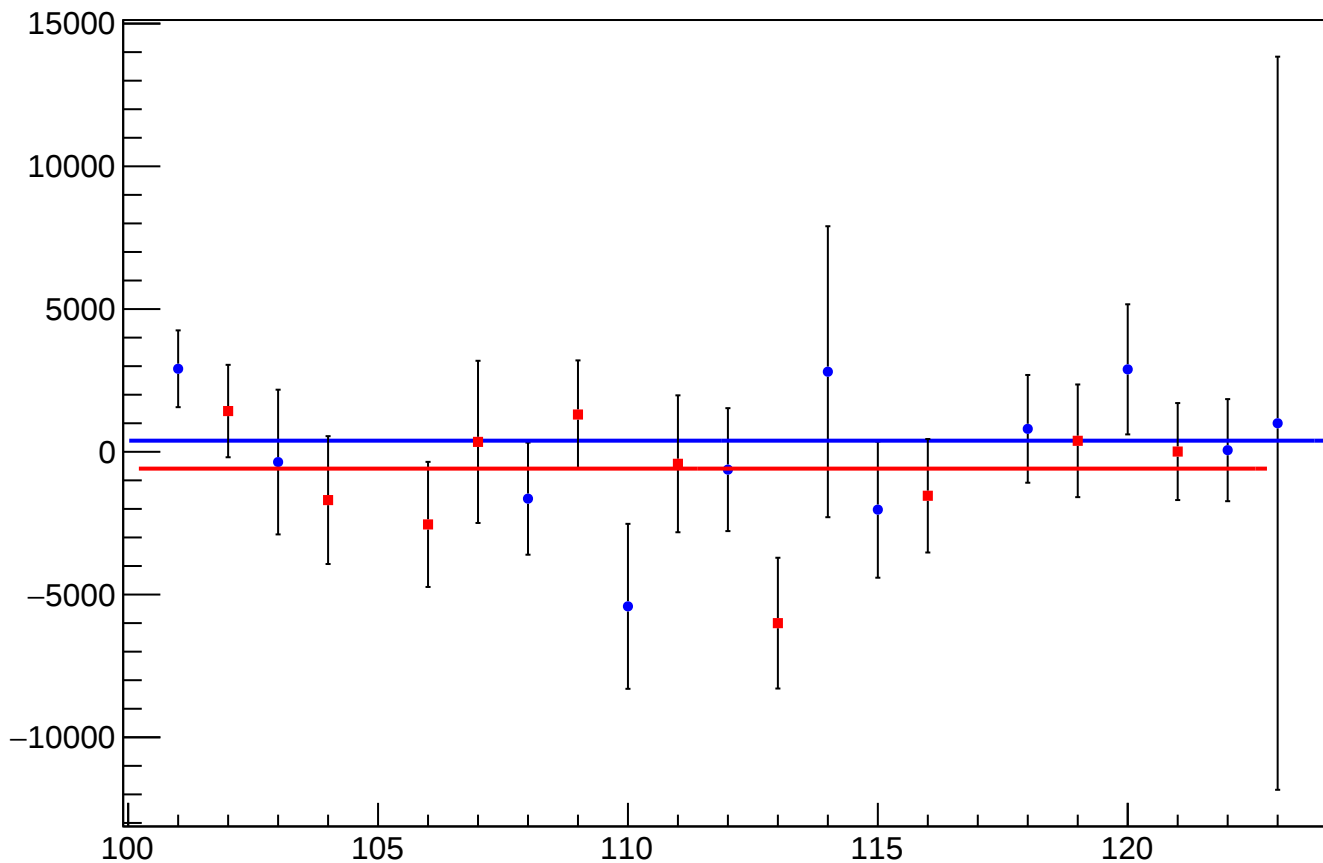
Right: 1311.362+/-0.337  $\chi^2/\text{NDF}$ : 622694.1/20

In: 1302.749+/-0.487  $\chi^2/\text{NDF}$ : 485018.3/10

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

All: 1311.362+/-0.337  $\chi^2/\text{NDF}$ : 622694.1/20

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



Right In: 390.291+/-657.963  $\chi^2/\text{NDF}$ : 11.5/10

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

Right Out: -588.595+/-643.814  $\chi^2/\text{NDF}$ : 9.9/9

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

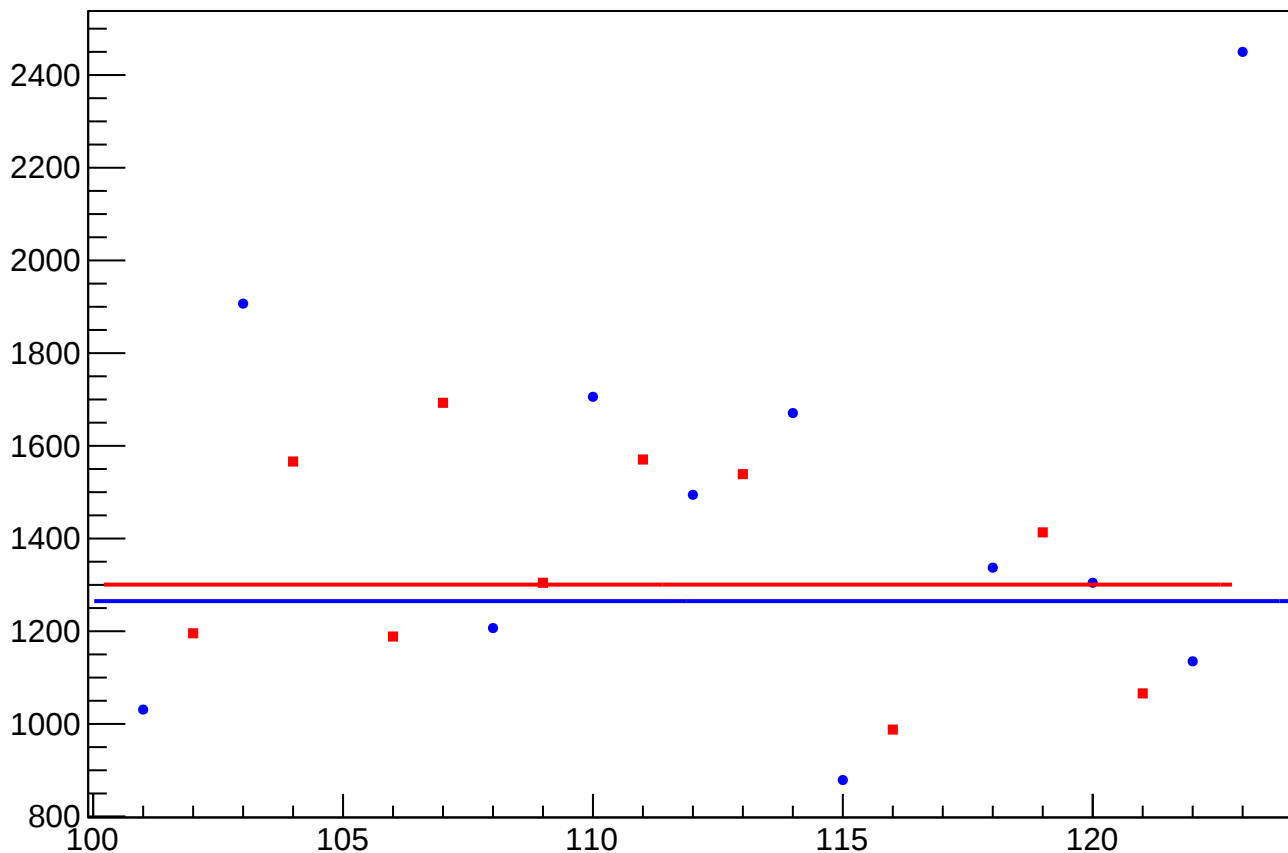
Right: -109.790+/-460.166  $\chi^2/\text{NDF}$ : 22.5/20

In: 390.291+/-657.963  $\chi^2/\text{NDF}$ : 11.5/10

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

All: -109.790+/-460.166  $\chi^2/\text{NDF}$ : 22.5/20

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



Right In: 1264.981+/-0.465  $\chi^2/\text{NDF}$ : 355991.8/10

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

Right Out: 1300.632+/-0.455  $\chi^2/\text{NDF}$ : 221144.9/9

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

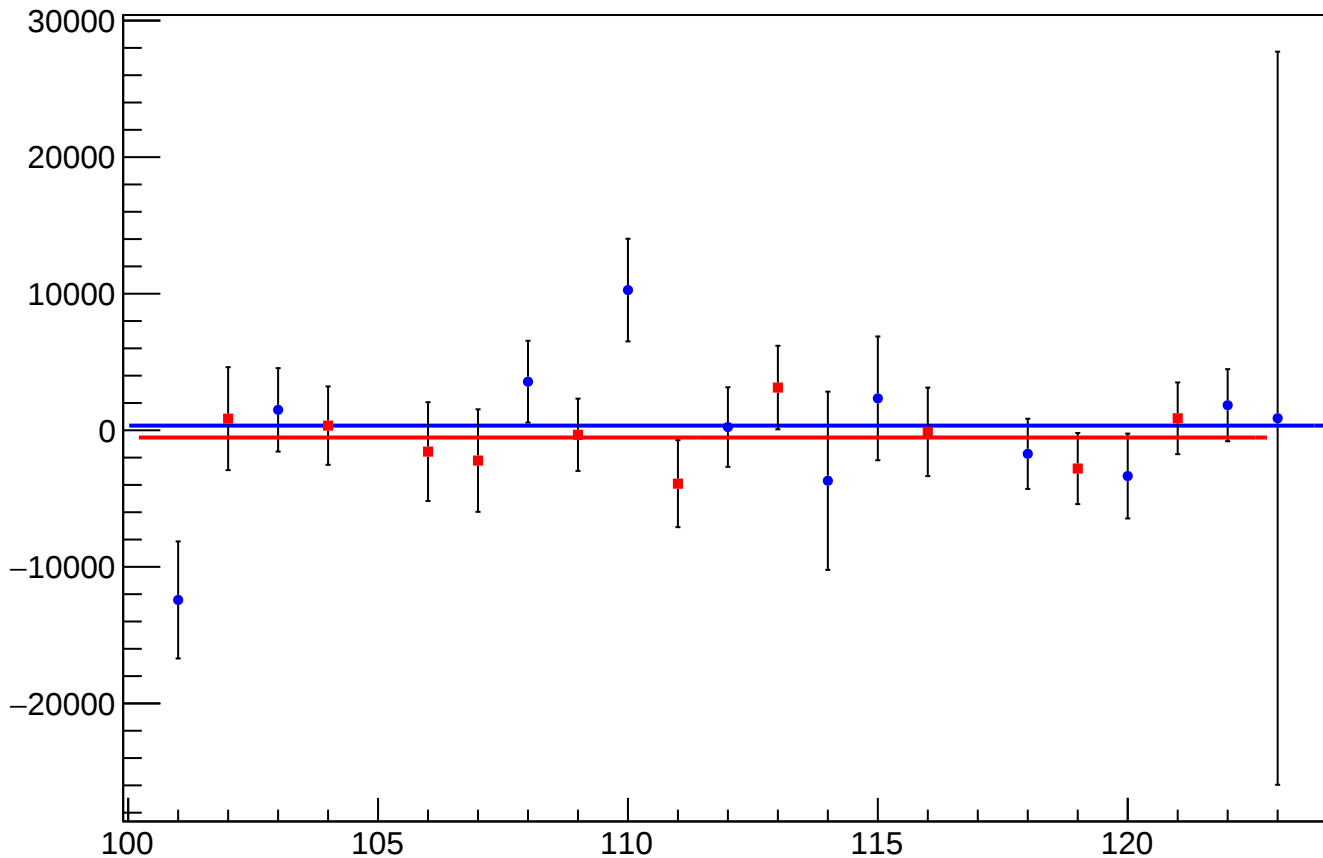
Right: 1283.194+/-0.325  $\chi^2/\text{NDF}$ : 580136.4/20

In: 1264.981+/-0.465  $\chi^2/\text{NDF}$ : 355991.8/10

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

All: 1283.194+/-0.325  $\chi^2/\text{NDF}$ : 580136.4/20

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



Right In: 342.686 $\pm$ 1034.806  $\chi^2$ /NDF: 20.1/10

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

Right Out: -529.135 $\pm$ 964.283  $\chi^2$ /NDF: 4.1/9

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

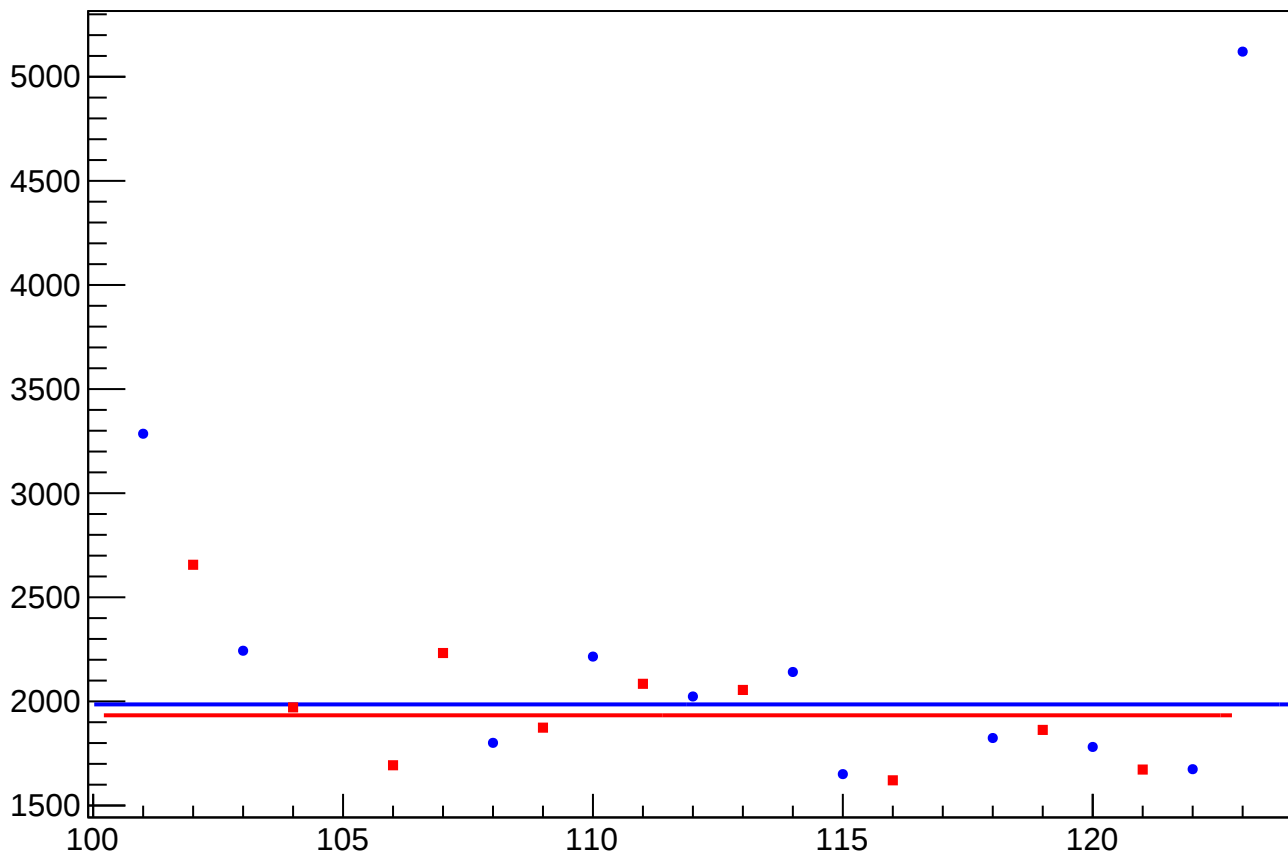
Right: -123.943 $\pm$ 705.466  $\chi^2$ /NDF: 24.6/20

In: 342.686 $\pm$ 1034.806  $\chi^2$ /NDF:20.1/10

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

All: -123.943 $\pm$ 705.466  $\chi^2$ /NDF: 24.6/20

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



Right In: 1985.563+/-0.732  $\chi^2/\text{NDF}$ : 297389.5/10

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

Right Out: 1933.226+/-0.682  $\chi^2/\text{NDF}$ : 143932.1/9

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

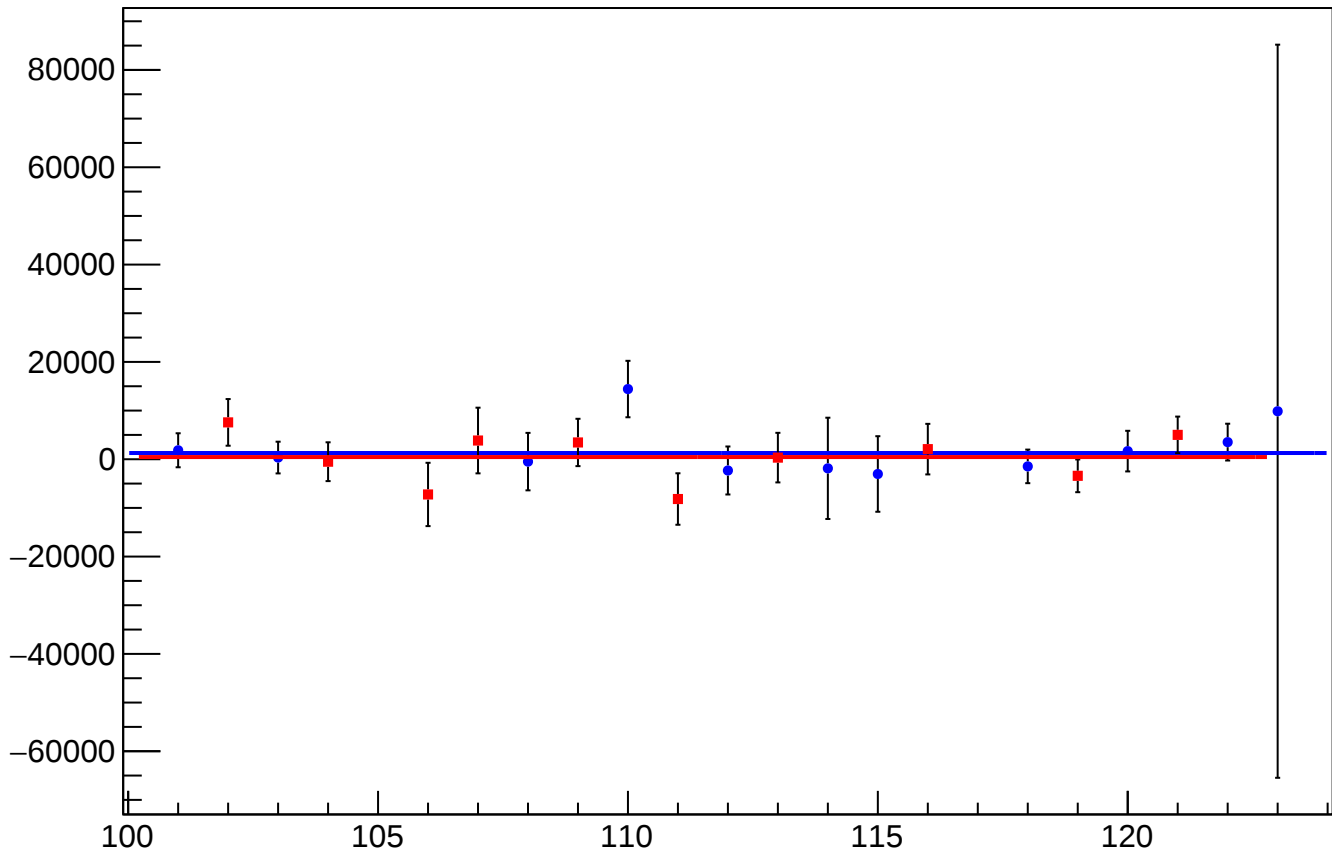
Right: 1957.550+/-0.499  $\chi^2/\text{NDF}$ : 444059.9/20

In: 1985.563+/-0.732  $\chi^2/\text{NDF}$ : 297389.5/10

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

All: 1957.550+/-0.499  $\chi^2/\text{NDF}$ : 444059.9/20

# dit\_asym\_atl1\_mean vs Slug, Sign Corrected



Right In: 1280.187+/-1396.240  $\chi^2/\text{NDF}$ : 7.3/10

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

Right Out: 449.397+/-1466.556  $\chi^2/\text{NDF}$ : 9.8/9

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

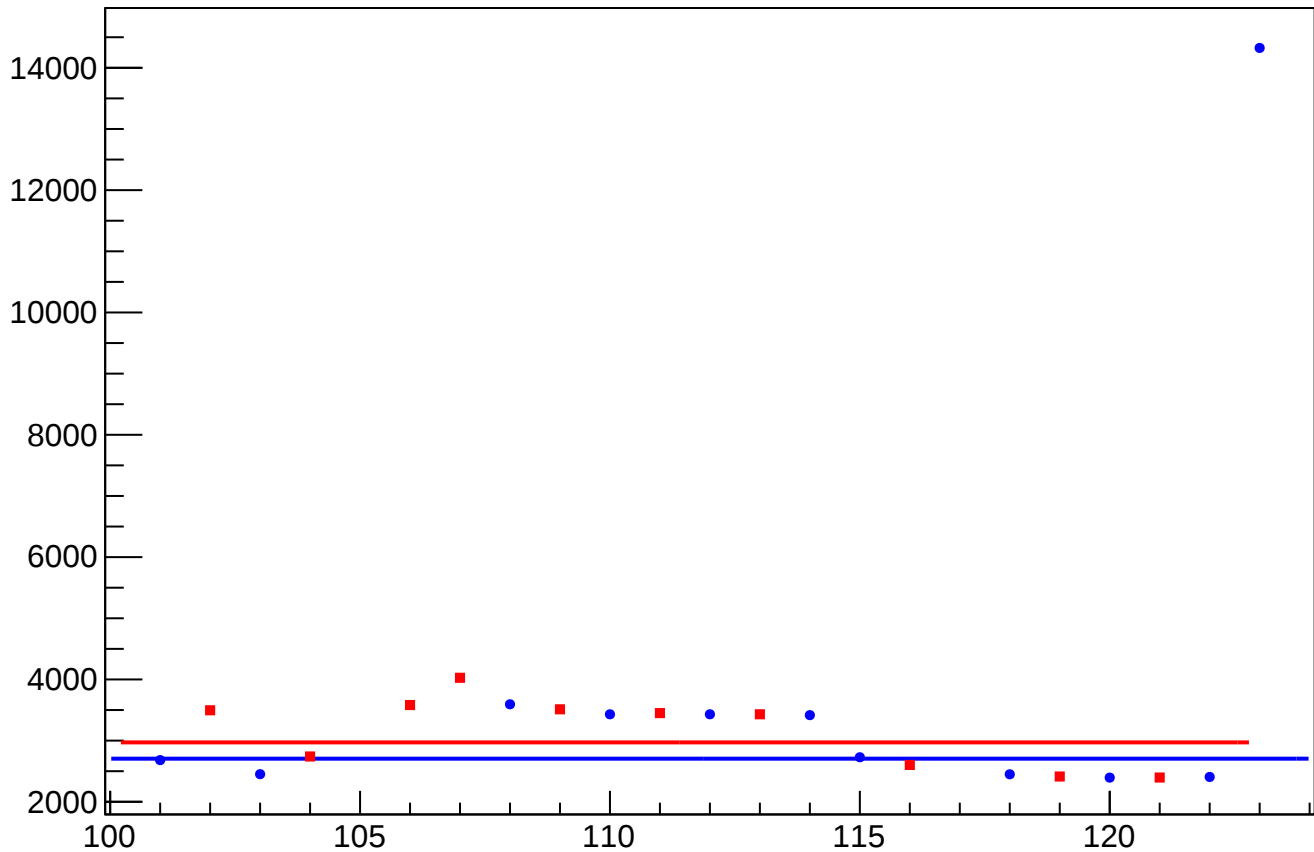
Right: 885.185+/-1011.235  $\chi^2/\text{NDF}$ : 17.3/20

In: 1280.187+/-1396.240  $\chi^2/\text{NDF}$ : 7.3/10

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

All: 885.185+/-1011.235  $\chi^2/\text{NDF}$ : 17.3/20

# dit\_asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 2704.819+/-0.987  $\chi^2/\text{NDF}$ : 223590.9/10

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

Right Out: 2970.929+/-1.037  $\chi^2/\text{NDF}$ : 266625.8/9

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

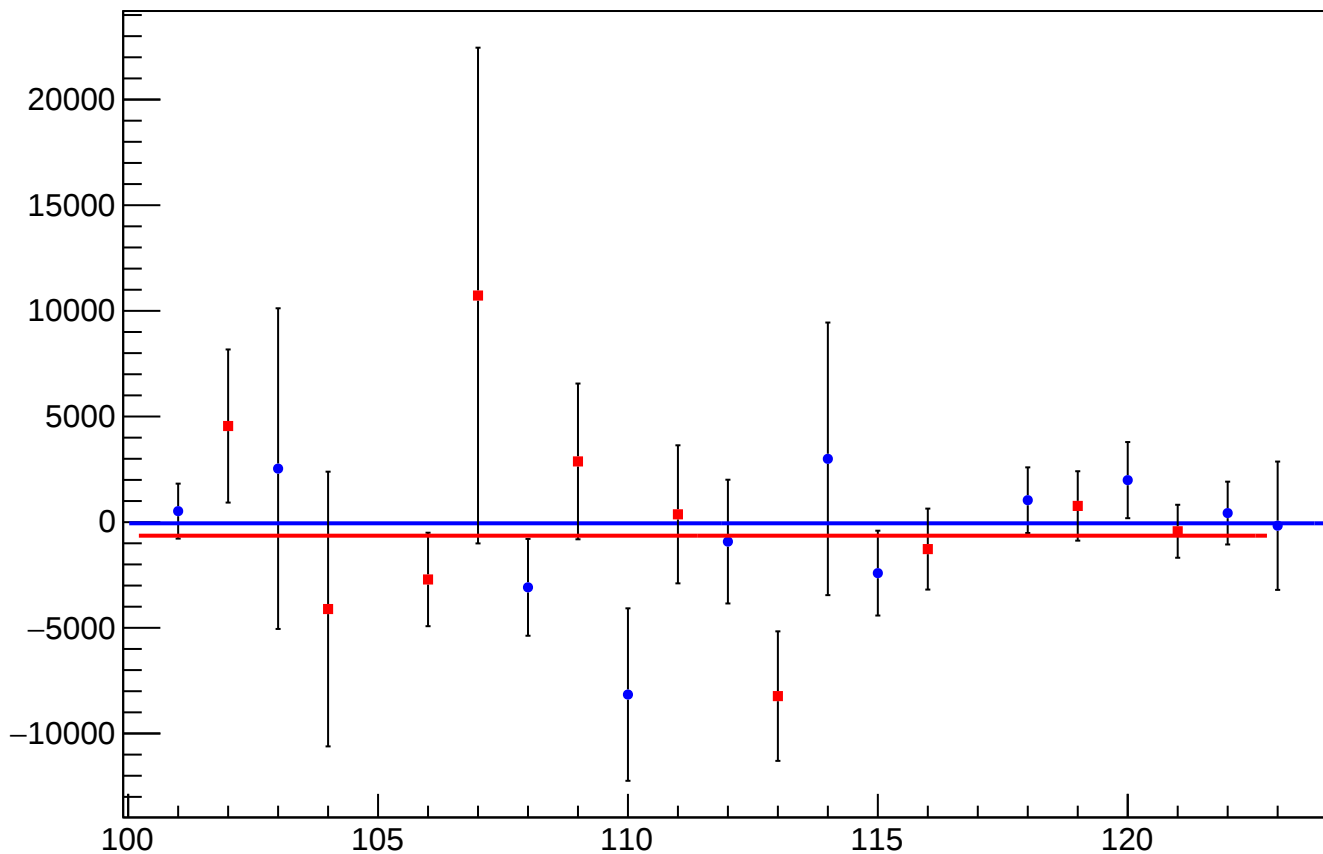
Right: 2831.342+/-0.715  $\chi^2/\text{NDF}$ : 524758.1/20

In: 2704.819+/-0.987  $\chi^2/\text{NDF}$ : 223590.9/10

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

All: 2831.342+/-0.715  $\chi^2/\text{NDF}$ : 524758.1/20

asym\_atl1\_correction\_mean vs Slug, Sign Corrected



Right In:  $-53.685 \pm 628.479$   $\chi^2/\text{NDF}$ : 9.6/10

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

Right Out:  $-639.710 \pm 732.312$   $\chi^2/\text{NDF}$ : 12.2/9

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

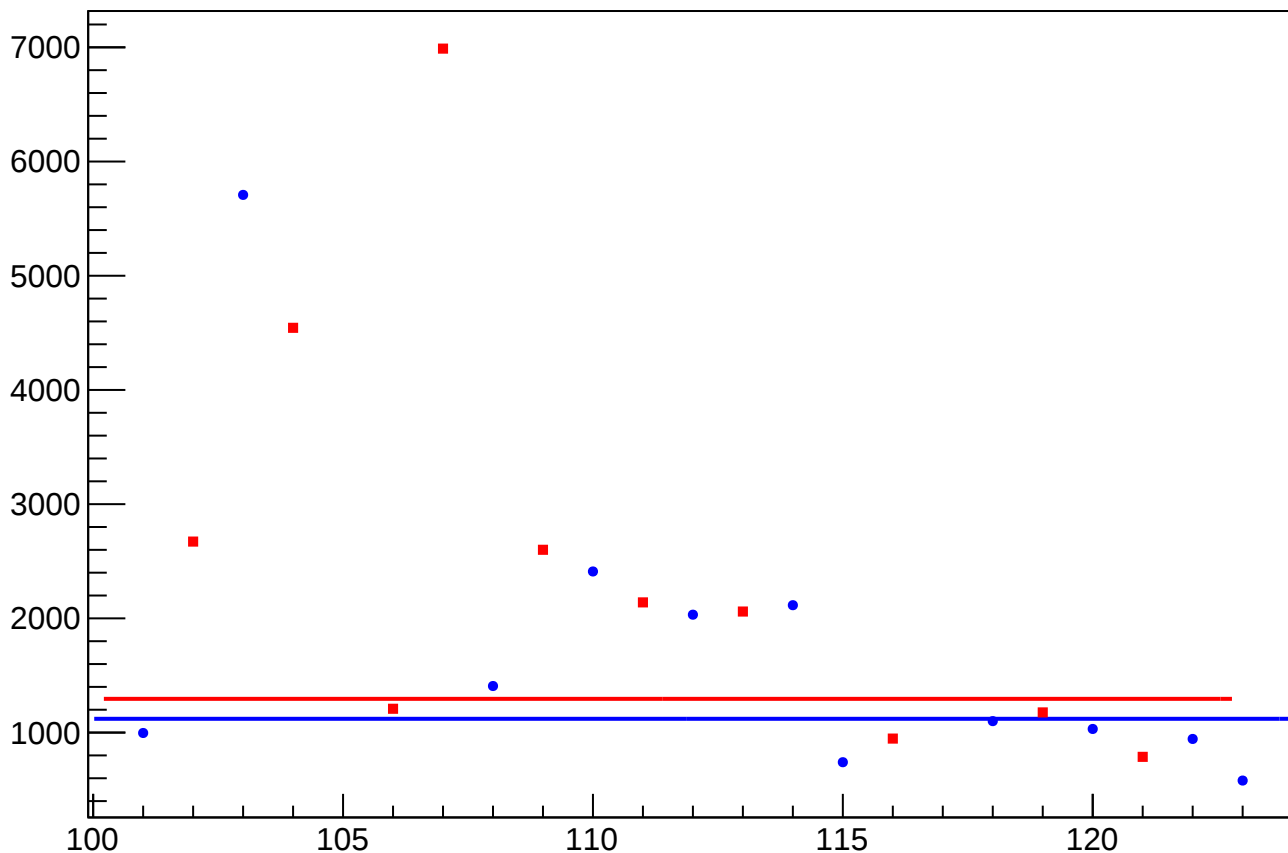
Right:  $-302.240 \pm 476.925$   $\chi^2/\text{NDF}$ : 22.1/20

In:  $-53.685 \pm 628.479$   $\chi^2/\text{NDF}$ : 9.6/10

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

All:  $-302.240 \pm 476.925$   $\chi^2/\text{NDF}$ : 22.1/20

# asym\_atl1\_correction\_rms vs Slug, Sign Corrected



Right In: 1120.596+/-0.444  $\chi^2/\text{NDF}$ : 1390379.5/10

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

Right Out: 1295.308+/-0.518  $\chi^2/\text{NDF}$ : 2176255.3/9

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

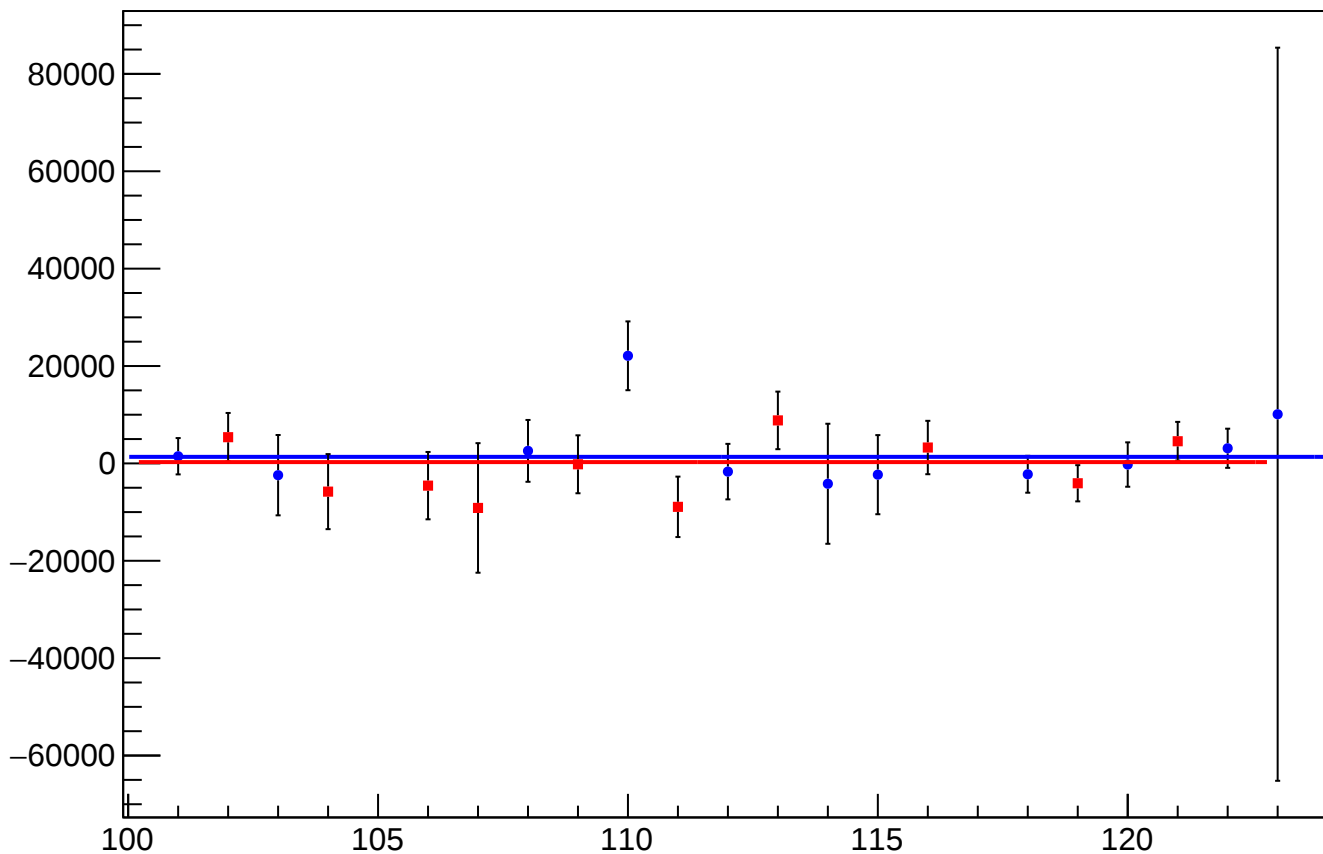
Right: 1194.698+/-0.337  $\chi^2/\text{NDF}$ : 3632188.8/20

In: 1120.596+/-0.444  $\chi^2/\text{NDF}$ : 1390379.5/10

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

All: 1194.698+/-0.337  $\chi^2/\text{NDF}$ : 3632188.8/20

# asym\_atl1\_mean vs Slug, Sign Corrected



Right In: 1345.177+/-1658.152  $\chi^2/\text{NDF}$ : 10.8/10

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

Right Out: 267.938+/-1727.052  $\chi^2/\text{NDF}$ : 9.8/9

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

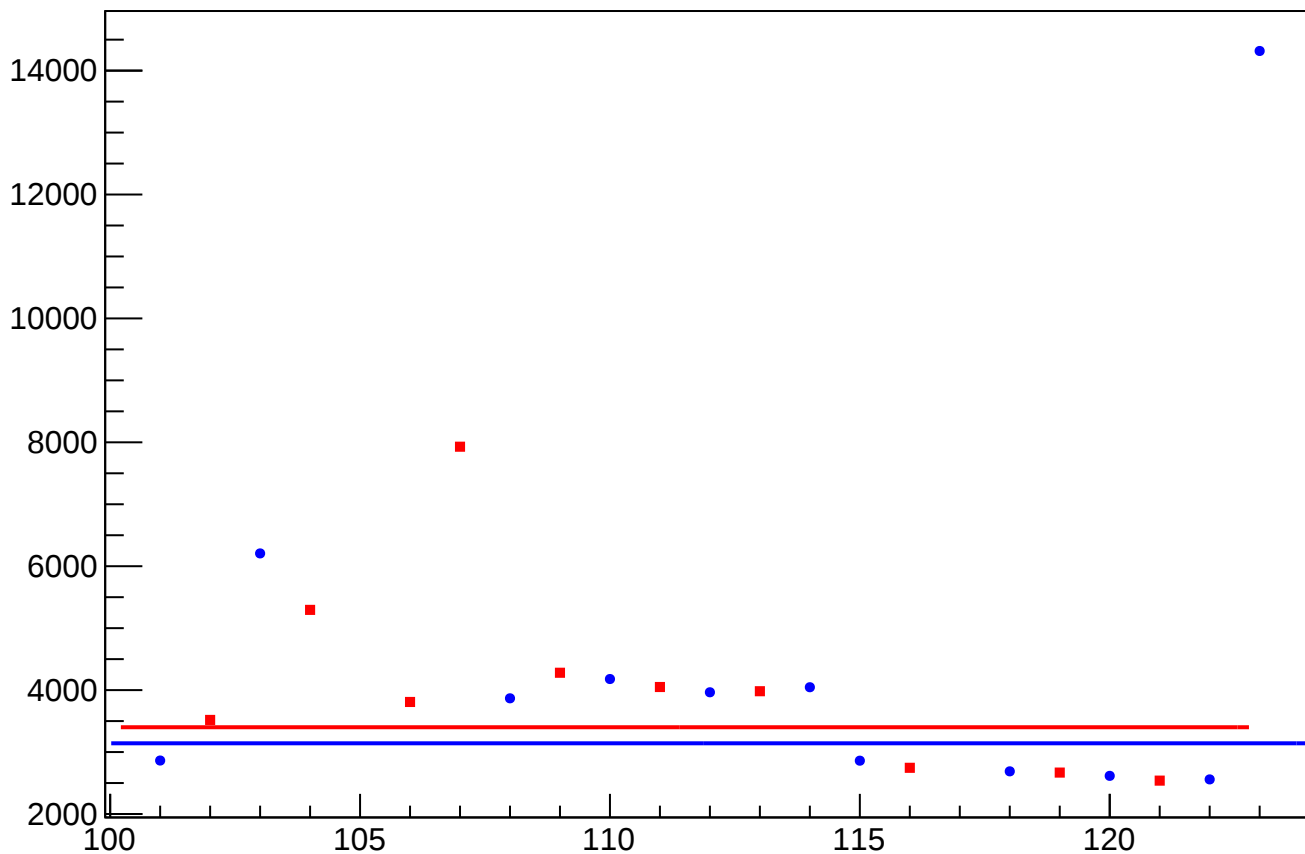
Right: 828.474+/-1196.107  $\chi^2/\text{NDF}$ : 20.8/20

In: 1345.177+/-1658.152  $\chi^2/\text{NDF}$ : 10.8/10

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

All: 828.474+/-1196.107  $\chi^2/\text{NDF}$ : 20.8/20

# asym\_atl1\_rms vs Slug, Sign Corrected



Right In: 3141.389+/-1.172  $\chi^2/\text{NDF}$ : 552647.2/10

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

Right Out: 3400.597+/-1.221  $\chi^2/\text{NDF}$ : 645391.5/9

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

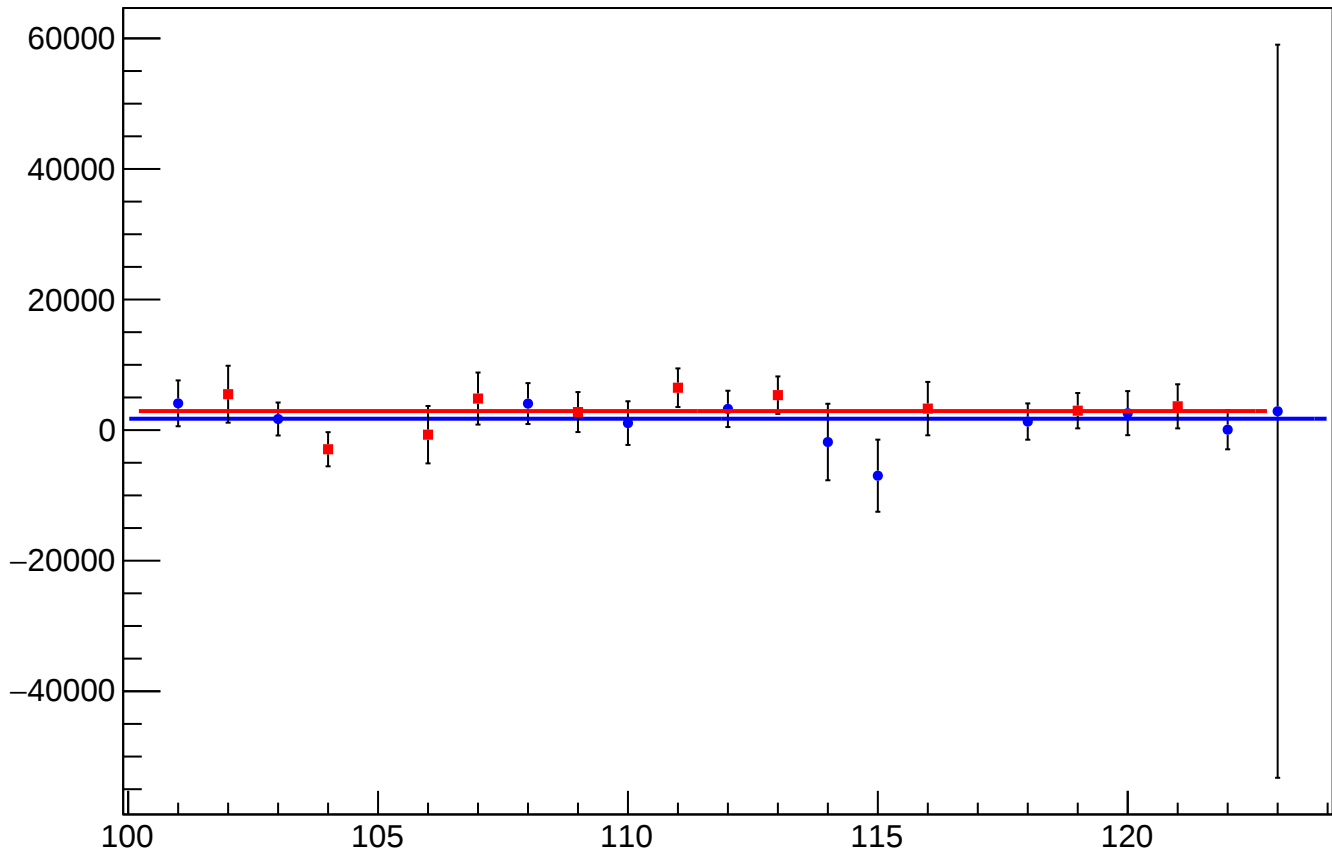
Right: 3265.719+/-0.846  $\chi^2/\text{NDF}$ : 1221481.4/20

In: 3141.389+/-1.172  $\chi^2/\text{NDF}$ : 552647.2/10

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

All: 3265.719+/-0.846  $\chi^2/\text{NDF}$ : 1221481.4/20

# dit\_asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 1743.072+/-1026.815  $\chi^2/\text{NDF}$ : 4.6/10

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

Right Out: 2915.654+/-1031.227  $\chi^2/\text{NDF}$ : 8.5/9

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

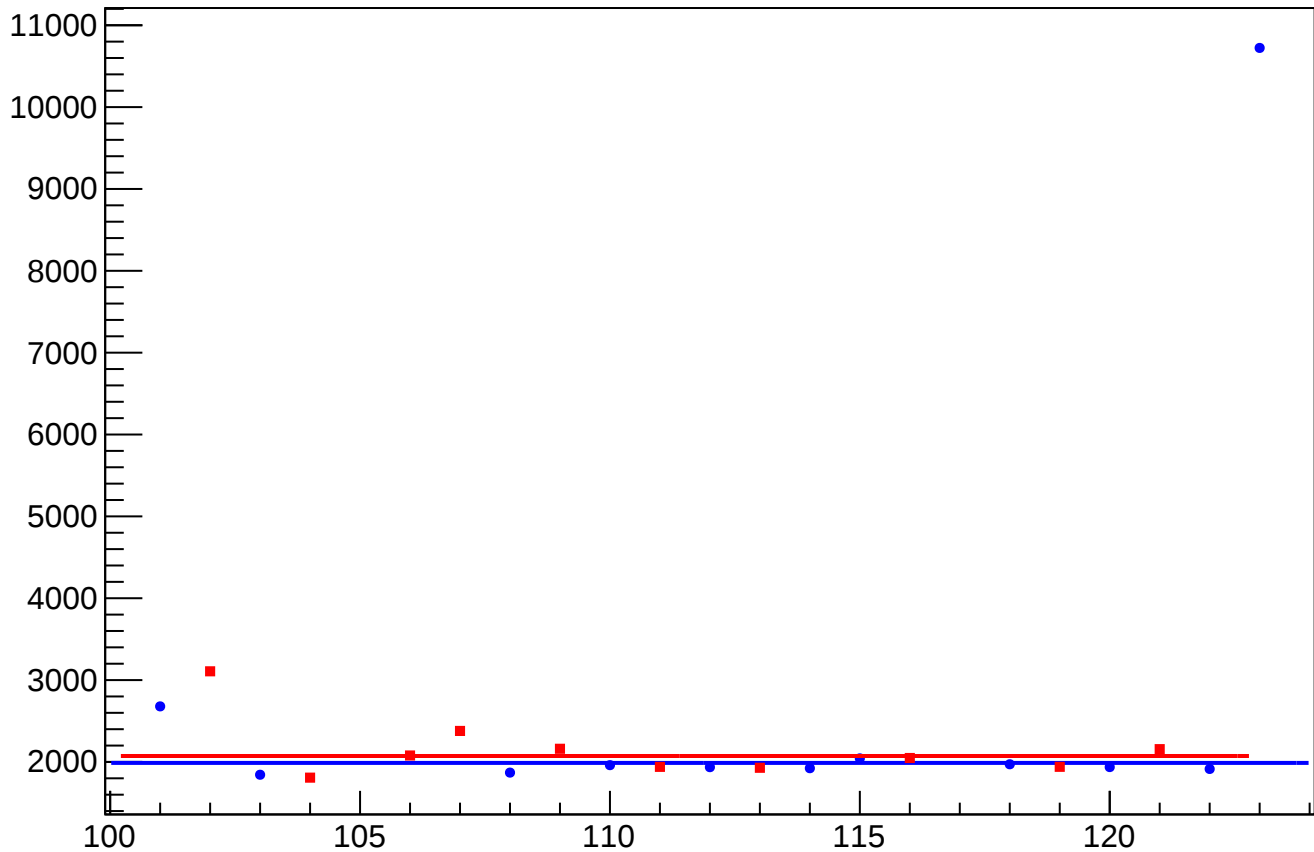
Right: 2326.850+/-727.623  $\chi^2/\text{NDF}$ : 13.8/20

In: 1743.072+/-1026.815  $\chi^2/\text{NDF}$ : 4.6/10

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

All: 2326.850+/-727.623  $\chi^2/\text{NDF}$ : 13.8/20

# dit\_asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 1988.218+/-0.726  $\chi^2/\text{NDF}$ : 138192.1/10

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

Right Out: 2072.609+/-0.727  $\chi^2/\text{NDF}$ : 161825.0/9

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

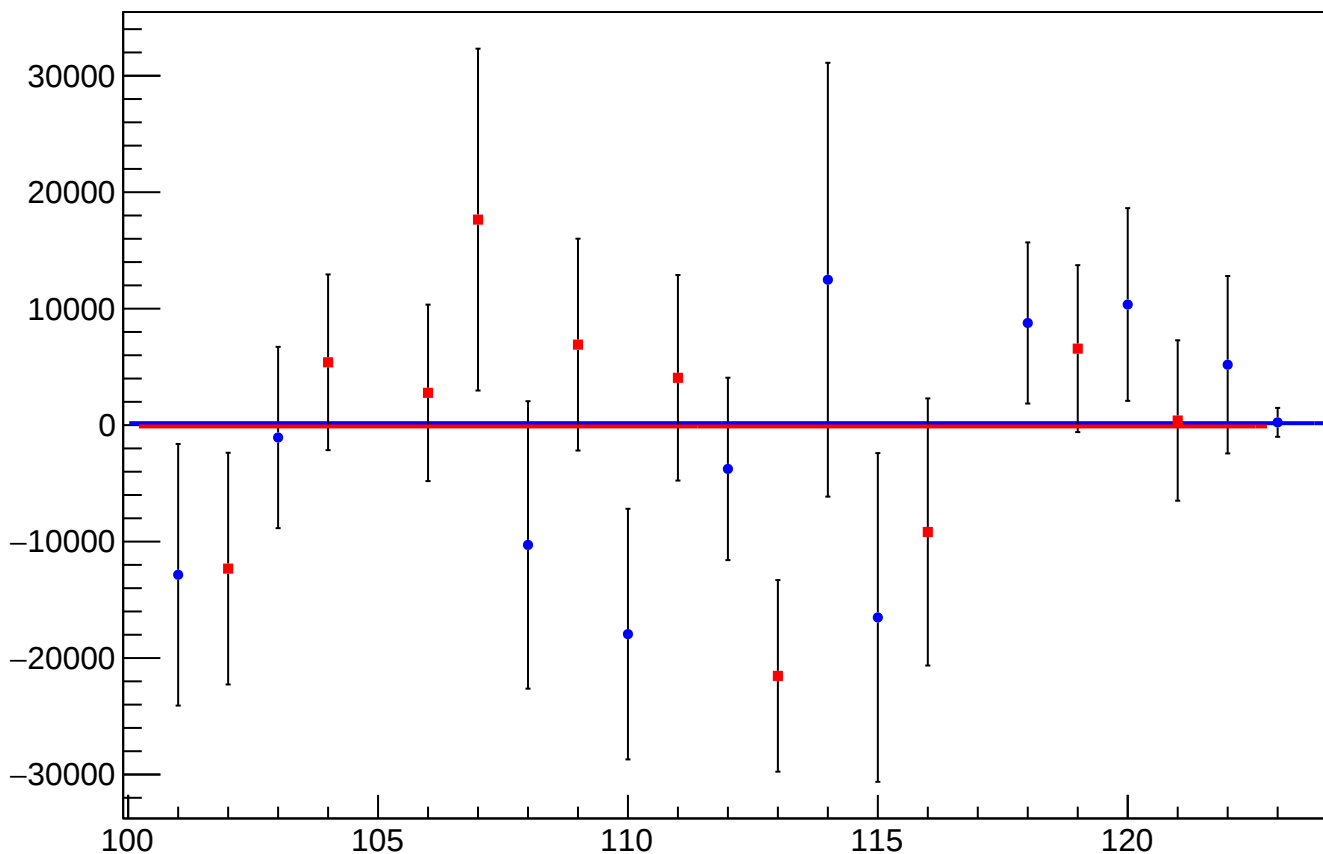
Right: 2030.333+/-0.514  $\chi^2/\text{NDF}$ : 306758.8/20

In: 1988.218+/-0.726  $\chi^2/\text{NDF}$ : 138192.1/10

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

All: 2030.333+/-0.514  $\chi^2/\text{NDF}$ : 306758.8/20

asym\_atl2\_correction\_mean vs Slug, Sign Corrected



Right In: 167.172+/-1144.199  $\chi^2/\text{NDF}$ : 10.5/10

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

Right Out: -112.597+/-2695.913  $\chi^2/\text{NDF}$ : 12.7/9

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

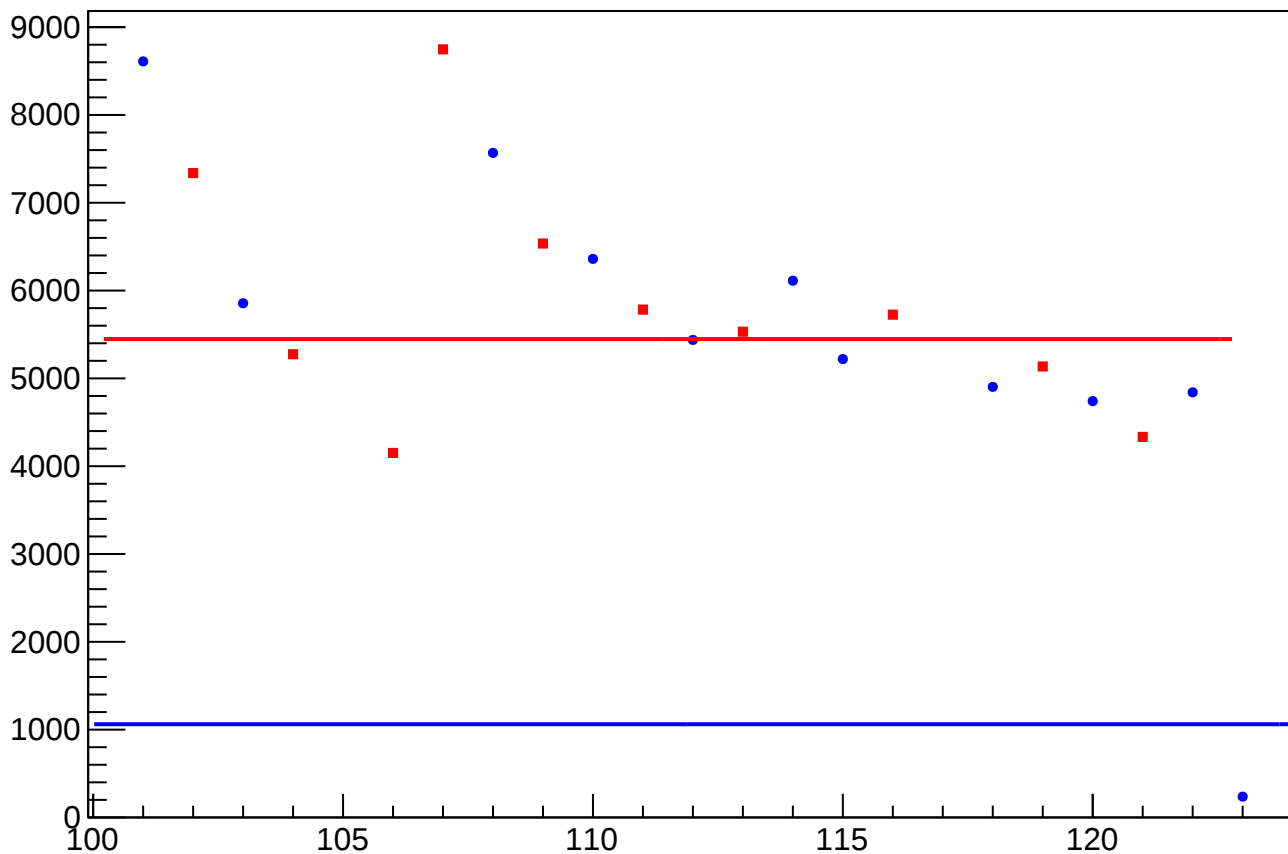
Right: 124.469+/-1053.262  $\chi^2/\text{NDF}$ : 23.3/20

In: 167.172+/-1144.199  $\chi^2/\text{NDF}$ :10.5/10

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

All: 124.469+/-1053.262  $\chi^2/\text{NDF}$ : 23.3/20

# asym\_atl2\_correction\_rms vs Slug, Sign Corrected



Right In: 1061.411+/-0.809  $\chi^2/\text{NDF}$ : 6032550.9/10

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

Right Out: 5448.120+/-1.906  $\chi^2/\text{NDF}$ : 321974.3/9

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

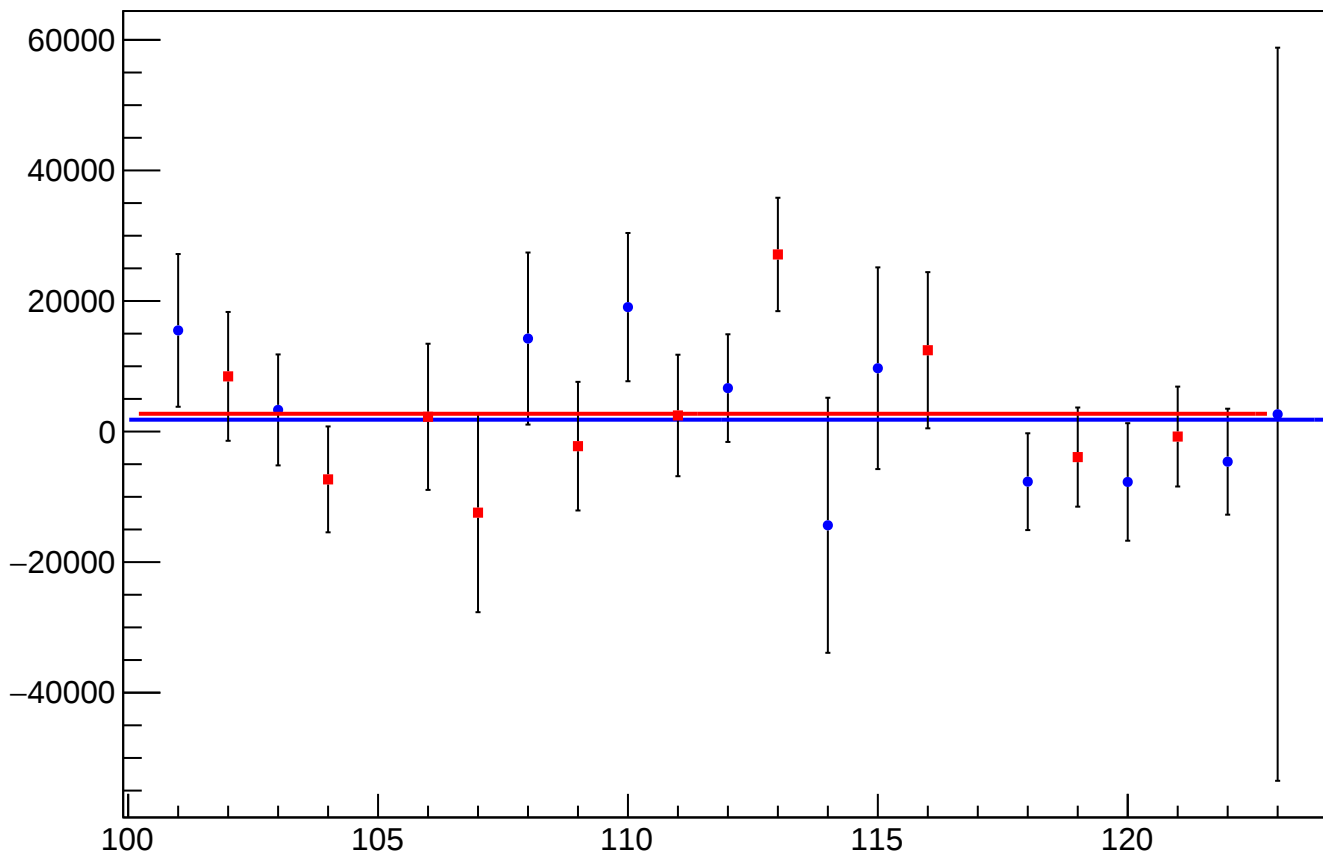
Right: 1730.986+/-0.745  $\chi^2/\text{NDF}$ : 10841621.6/20

In: 1061.411+/-0.809  $\chi^2/\text{NDF}$ : 6032550.9/10

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

All: 1730.986+/-0.745  $\chi^2/\text{NDF}$ : 10841621.6/20

# asym\_atl2\_mean vs Slug, Sign Corrected



Right In: 1816.823+/-3127.953  $\chi^2/\text{NDF}$ : 9.3/10

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

Right Out: 2723.925+/-2958.311  $\chi^2/\text{NDF}$ : 12.6/9

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

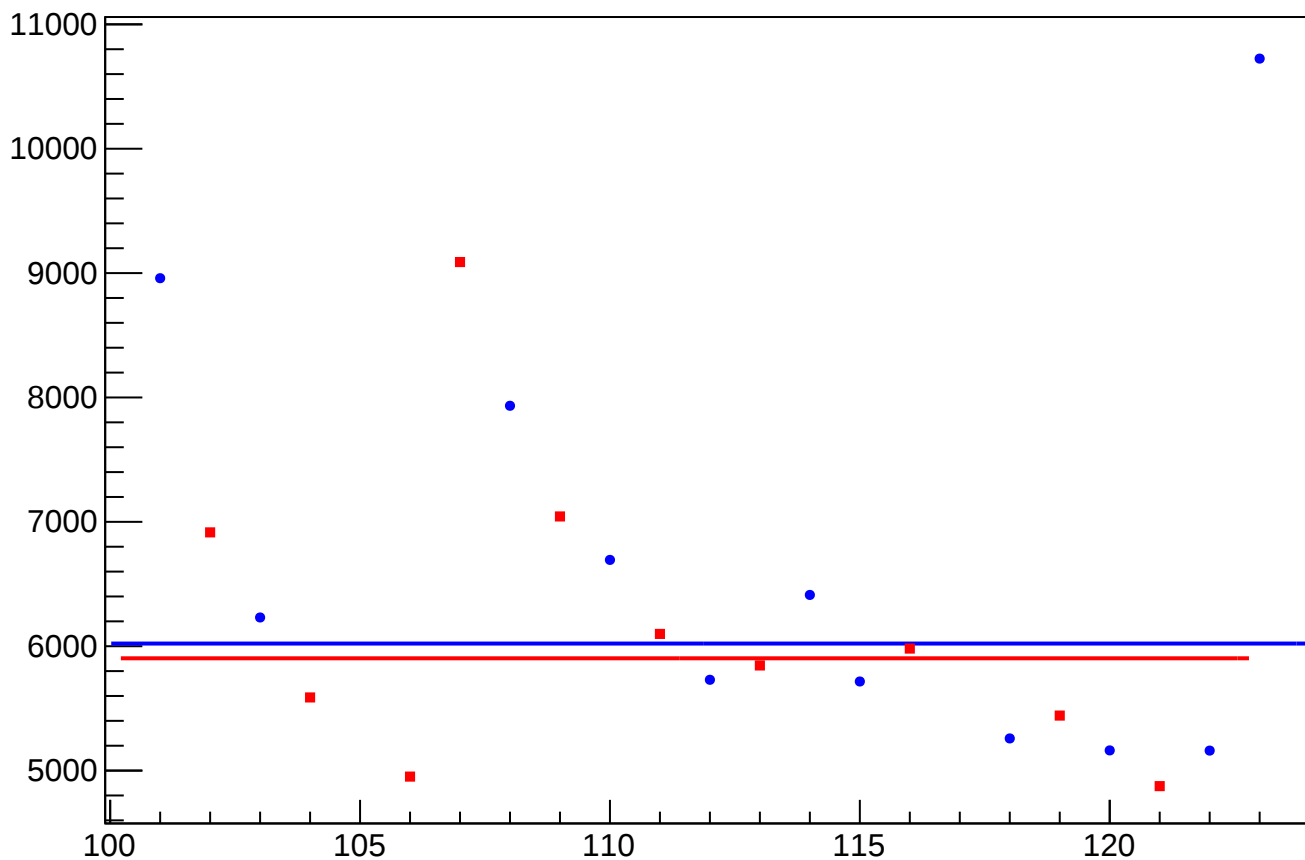
Right: 2295.638+/-2149.313  $\chi^2/\text{NDF}$ : 22.0/20

In: 1816.823+/-3127.953  $\chi^2/\text{NDF}$ : 9.3/10

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

All: 2295.638+/-2149.313  $\chi^2/\text{NDF}$ : 22.0/20

# asym\_atl2\_rms vs Slug, Sign Corrected



Right In: 6021.476+/-2.212  $\chi^2/\text{NDF}$ : 256411.7/10

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

Right Out: 5902.892+/-2.092  $\chi^2/\text{NDF}$ : 197153.5/9

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

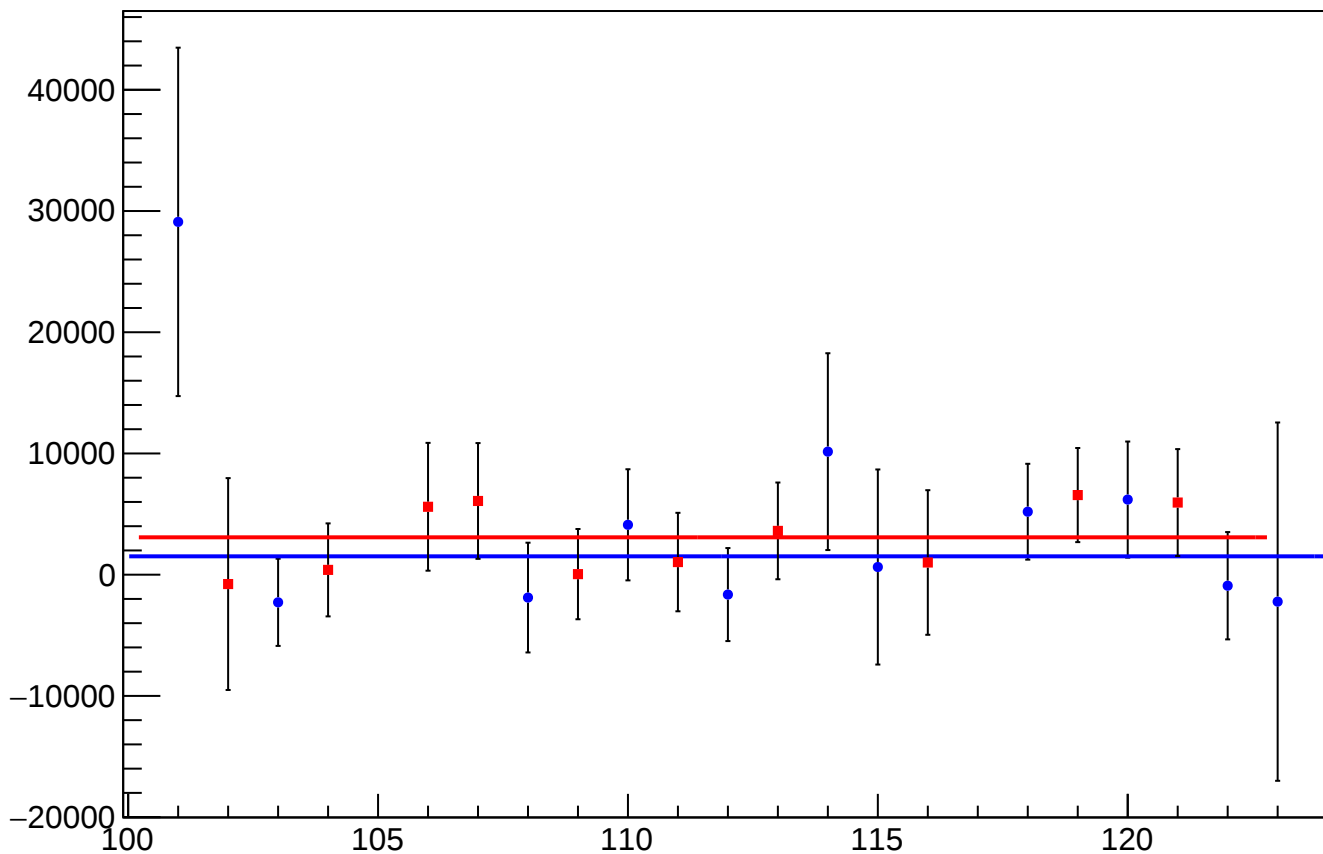
Right: 5958.878+/-1.520  $\chi^2/\text{NDF}$ : 455082.6/20

In: 6021.476+/-2.212  $\chi^2/\text{NDF}$ : 256411.7/10

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

All: 5958.878+/-1.520  $\chi^2/\text{NDF}$ : 455082.6/20

# dit\_asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 1514.407+/-1506.886  $\chi^2/\text{NDF}$ : 9.7/10

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

Right Out: 3082.618+/-1410.890  $\chi^2/\text{NDF}$ : 3.6/9

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

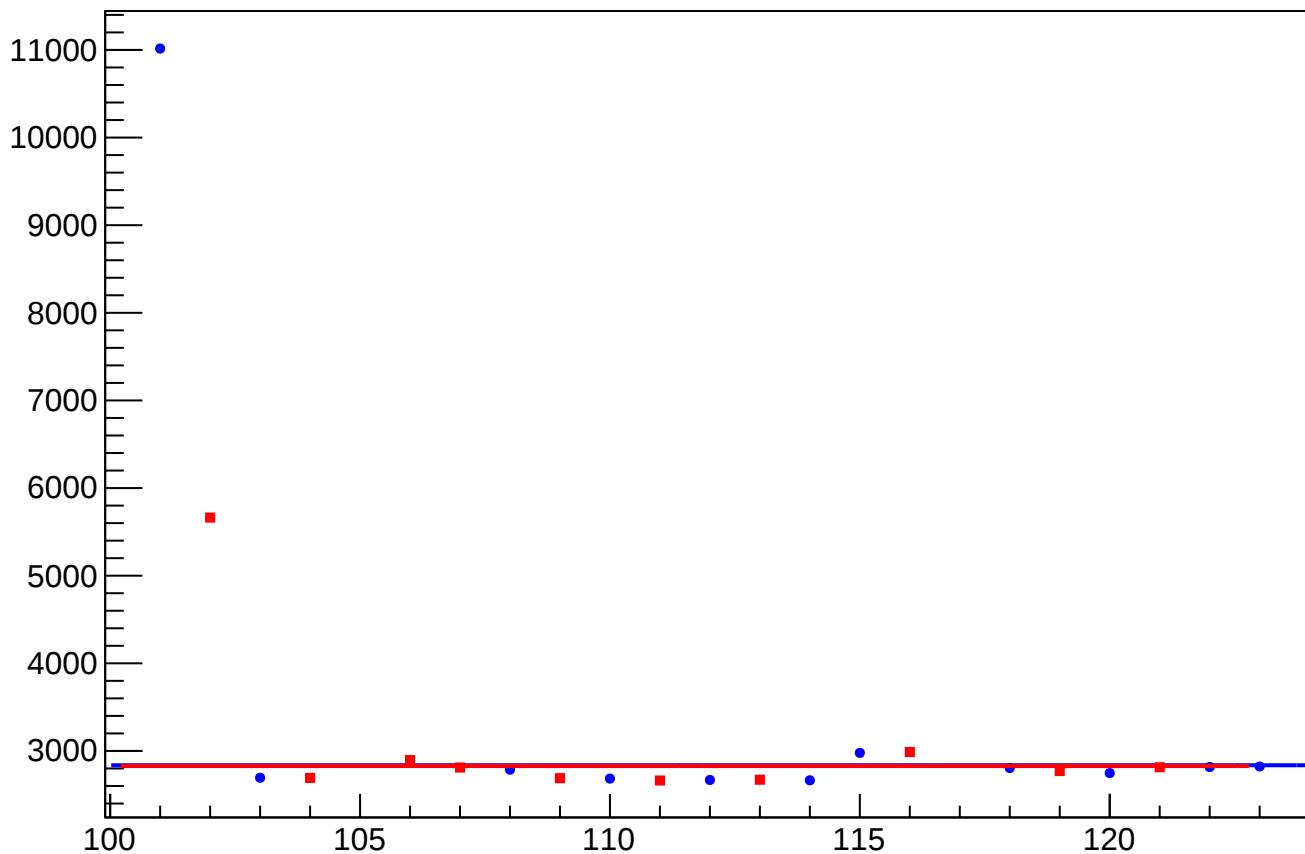
Right: 2350.052+/-1029.916  $\chi^2/\text{NDF}$ : 13.9/20

In: 1514.407+/-1506.886  $\chi^2/\text{NDF}$ : 9.7/10

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

All: 2350.052+/-1029.916  $\chi^2/\text{NDF}$ : 13.9/20

# dit\_asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2836.812+/-1.066  $\chi^2/\text{NDF}$ : 659630.5/10

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

Right Out: 2827.533+/-0.998  $\chi^2/\text{NDF}$ : 224468.3/9

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

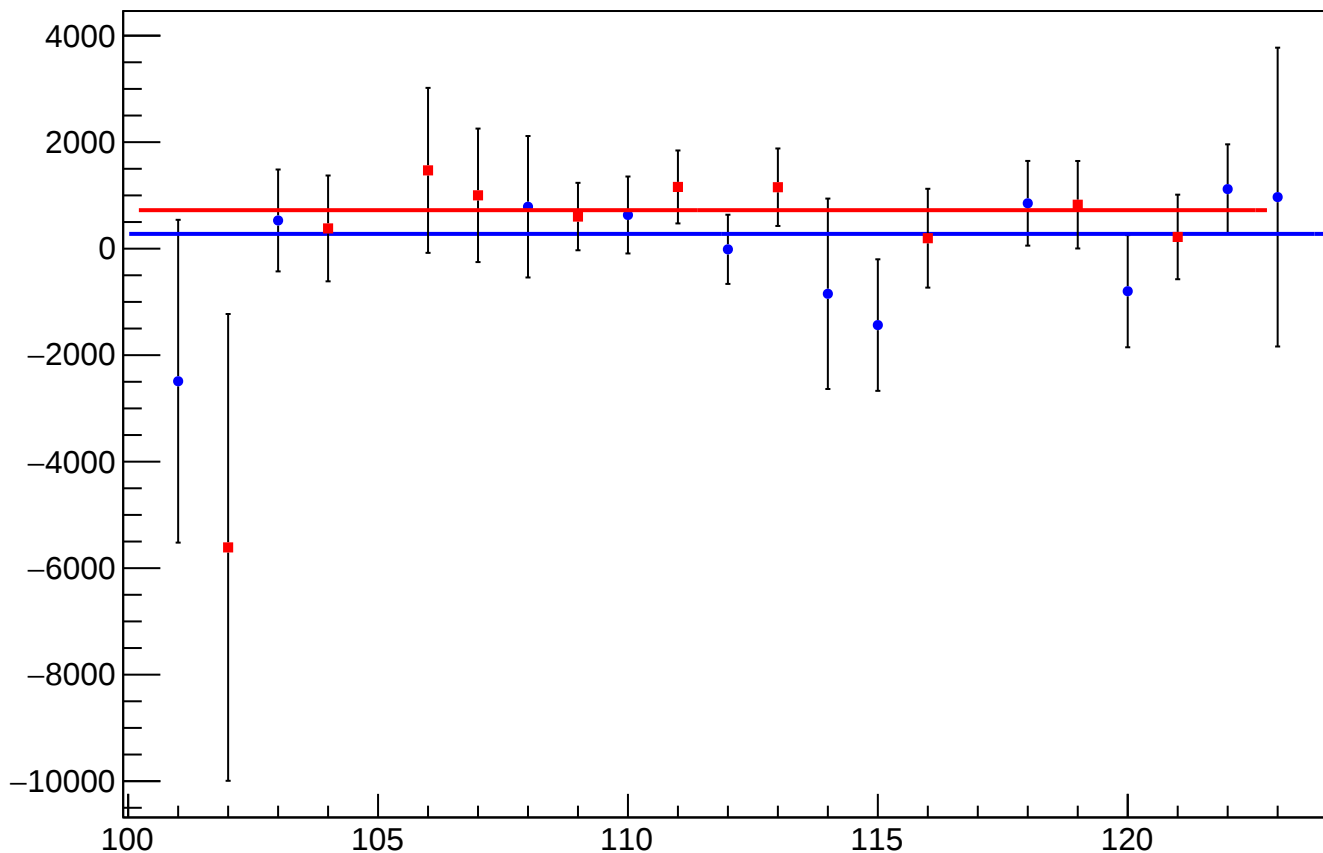
Right: 2831.867+/-0.728  $\chi^2/\text{NDF}$ : 884139.3/20

In: 2836.812+/-1.066  $\chi^2/\text{NDF}$ : 659630.5/10

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

All: 2831.867+/-0.728  $\chi^2/\text{NDF}$ : 884139.3/20

# asym\_atr1\_correction\_mean vs Slug, Sign Corrected



Right In: 277.318 $\pm$ 300.866  $\chi^2$ /NDF: 6.4/10

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

Right Out: 722.697 $\pm$ 278.841  $\chi^2$ /NDF: 4.0/9

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

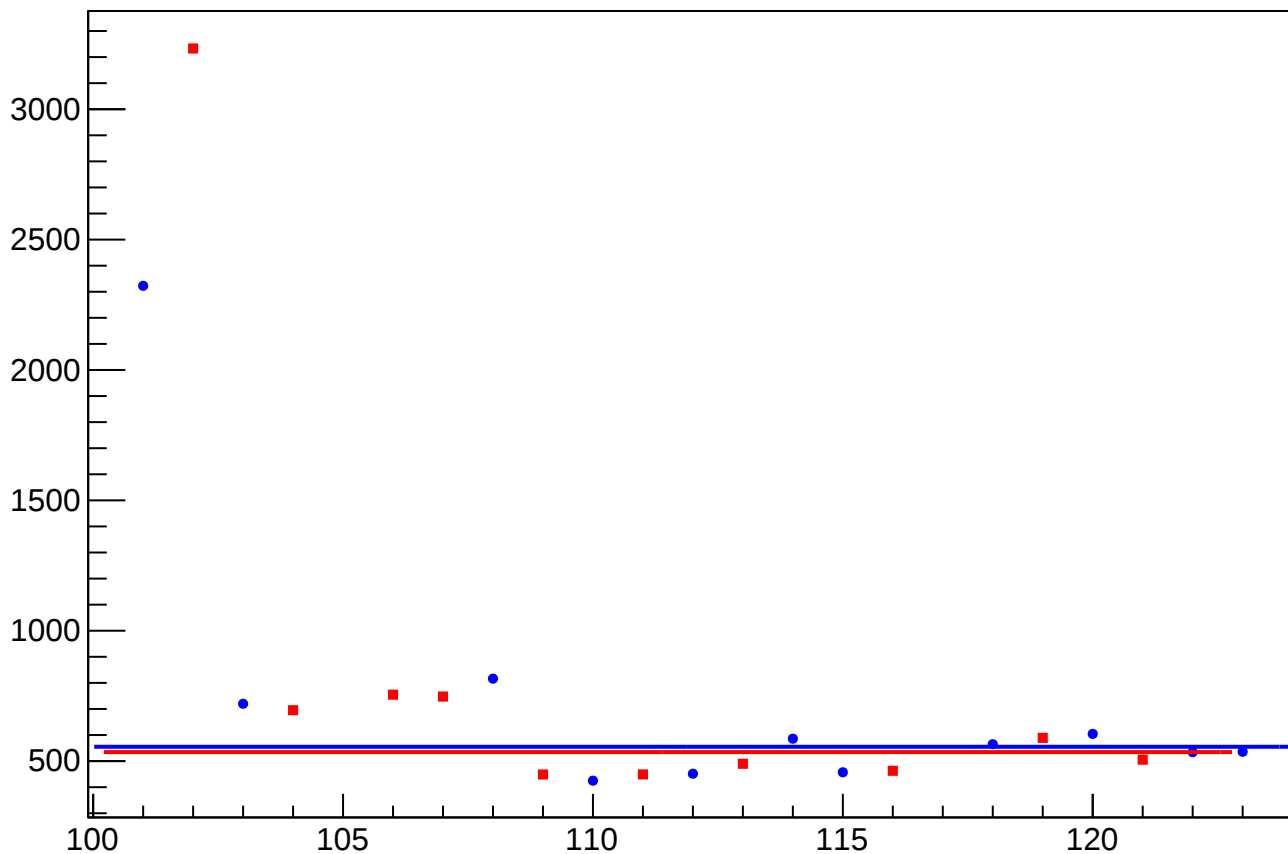
Right: 516.905 $\pm$ 204.514  $\chi^2$ /NDF: 11.6/20

In: 277.318 $\pm$ 300.866  $\chi^2$ /NDF:6.4/10

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

All: 516.905 $\pm$ 204.514  $\chi^2$ /NDF: 11.6/20

# asym\_atr1\_correction\_rms vs Slug, Sign Corrected



Right In: 555.003+/-0.213  $\chi^2/\text{NDF}$ : 951773.1/10

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

Right Out: 534.597+/-0.197  $\chi^2/\text{NDF}$ : 1007641.8/9

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

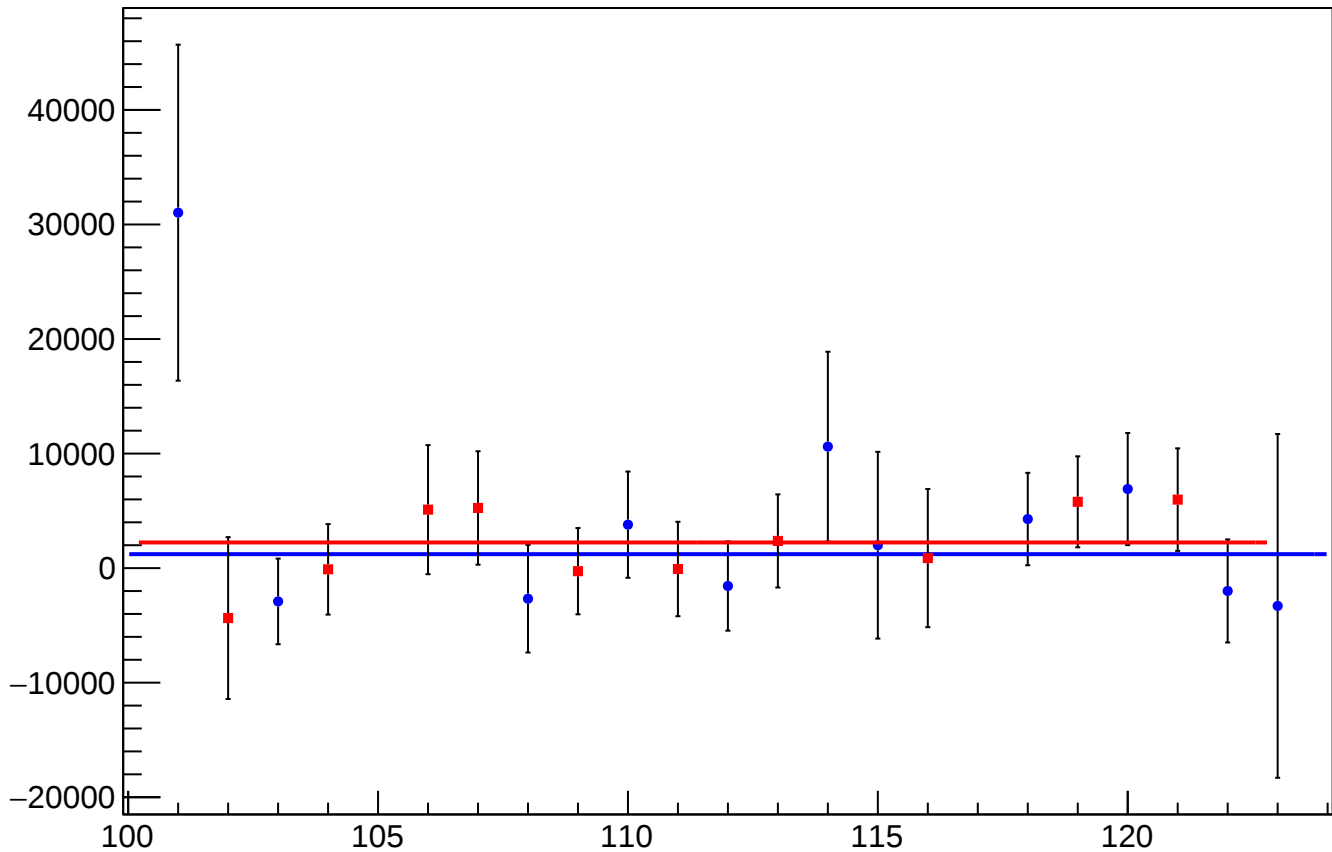
Right: 544.026+/-0.145  $\chi^2/\text{NDF}$ : 1964364.0/20

In: 555.003+/-0.213  $\chi^2/\text{NDF}$ : 951773.1/10

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

All: 544.026+/-0.145  $\chi^2/\text{NDF}$ : 1964364.0/20

# asym\_atr1\_mean vs Slug, Sign Corrected



Right In: 1219.003+/-1542.424  $\chi^2/\text{NDF}$ : 10.7/10

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

Right Out: 2240.279+/-1432.800  $\chi^2/\text{NDF}$ : 4.2/9

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

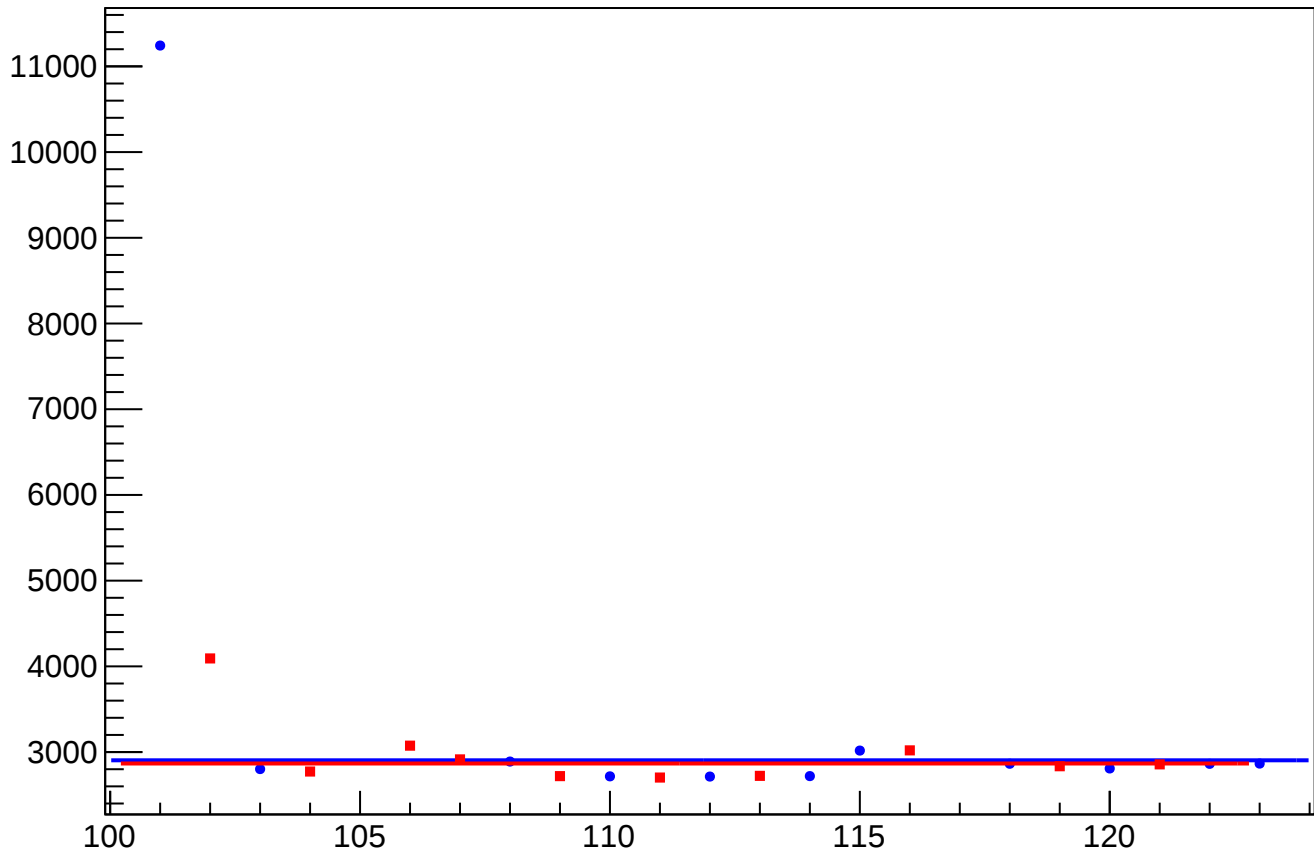
Right: 1767.219+/-1049.760  $\chi^2/\text{NDF}$ : 15.1/20

In: 1219.003+/-1542.424  $\chi^2/\text{NDF}$ : 10.7/10

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

All: 1767.219+/-1049.760  $\chi^2/\text{NDF}$ : 15.1/20

# asym\_atr1\_rms vs Slug, Sign Corrected



Right In: 2904.066+/-1.091  $\chi^2$ /NDF: 658558.6/10

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

Right Out: 2866.770+/-1.013  $\chi^2$ /NDF: 74424.3/9

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

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

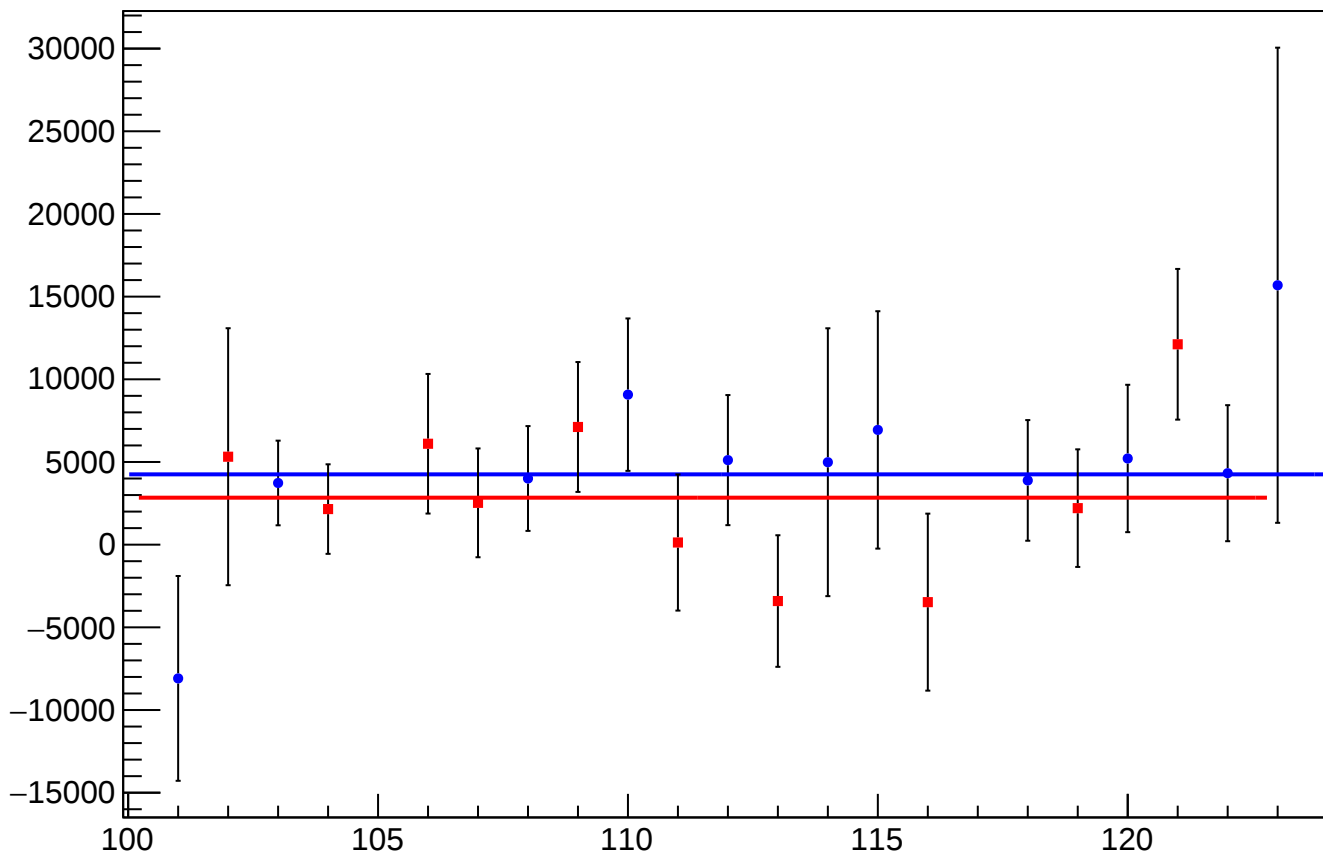
Right: 2884.046+/-0.742  $\chi^2$ /NDF: 733610.5/20

In: 2904.066+/-1.091  $\chi^2$ /NDF:658558.6/10

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

All: 2884.046+/-0.742  $\chi^2$ /NDF: 733610.5/20

# dit\_asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 4252.085+/-1276.110  $\chi^2/\text{NDF}$ : 6.0/10

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

Right Out: 2841.184+/-1239.792  $\chi^2/\text{NDF}$ : 10.4/9

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

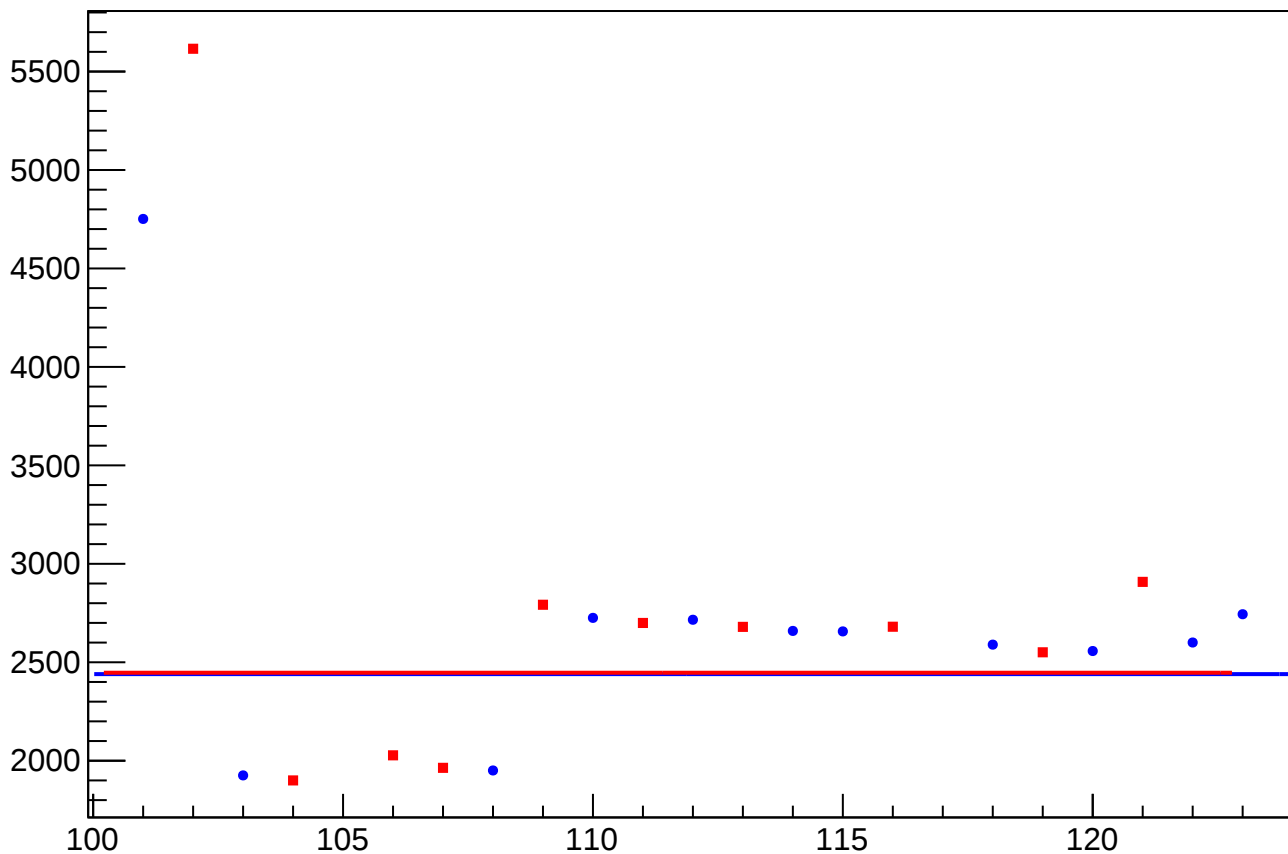
Right: 3526.272+/-889.227  $\chi^2/\text{NDF}$ : 17.1/20

In: 4252.085+/-1276.110  $\chi^2/\text{NDF}$ : 6.0/10

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

All: 3526.272+/-889.227  $\chi^2/\text{NDF}$ : 17.1/20

# dit\_asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 2439.863+/-0.902  $\chi^2/\text{NDF}$ : 436646.5/10

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

Right Out: 2446.853+/-0.876  $\chi^2/\text{NDF}$ : 533181.9/9

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

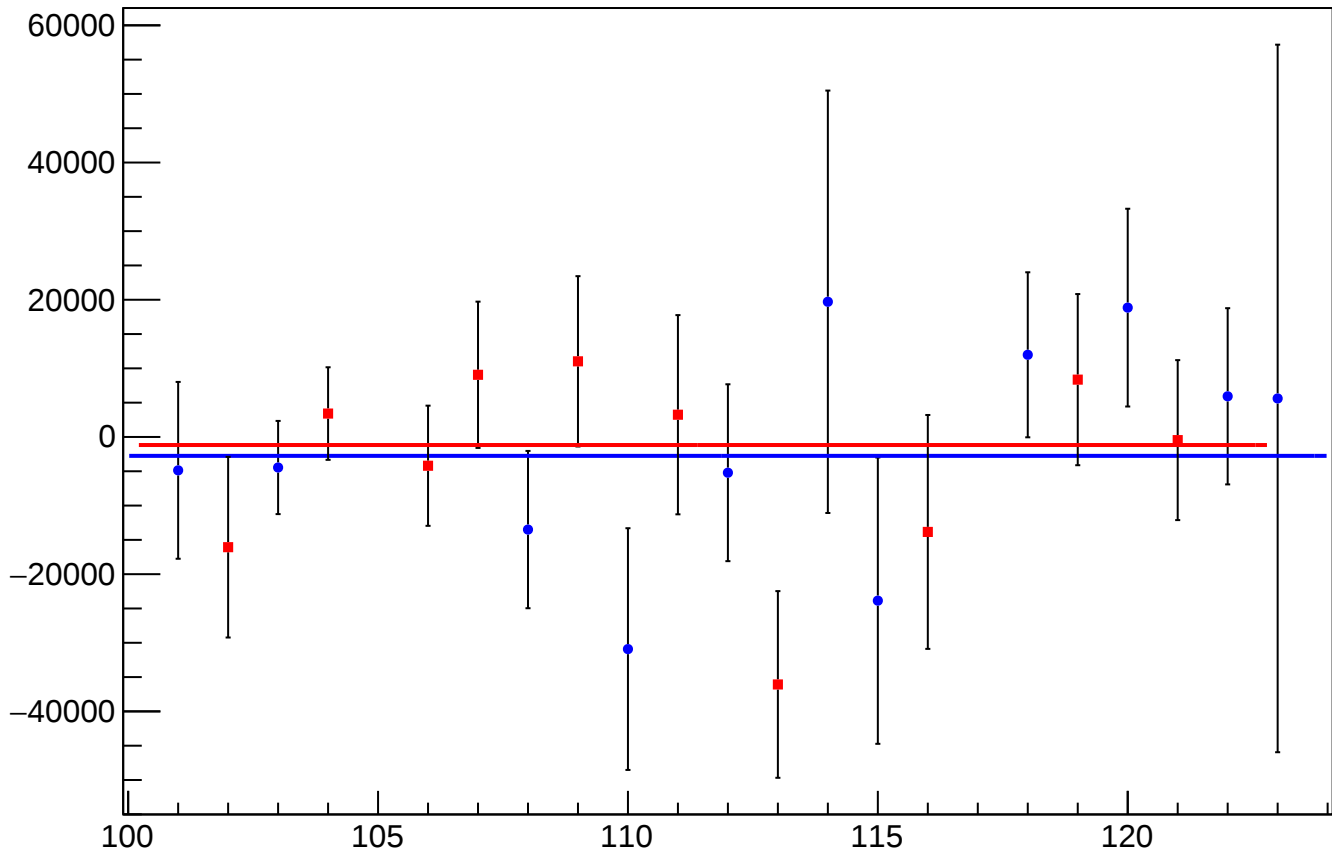
Right: 2443.461+/-0.629  $\chi^2/\text{NDF}$ : 969859.3/20

In: 2439.863+/-0.902  $\chi^2/\text{NDF}$ : 436646.5/10

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

All: 2443.461+/-0.629  $\chi^2/\text{NDF}$ : 969859.3/20

# asym\_atr2\_correction\_mean vs Slug, Sign Corrected



Right In: -2753.729+/-3890.500  $\chi^2/\text{NDF}$ : 9.3/10

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

Right Out: -1174.055+/-3462.164  $\chi^2/\text{NDF}$ : 11.6/9

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

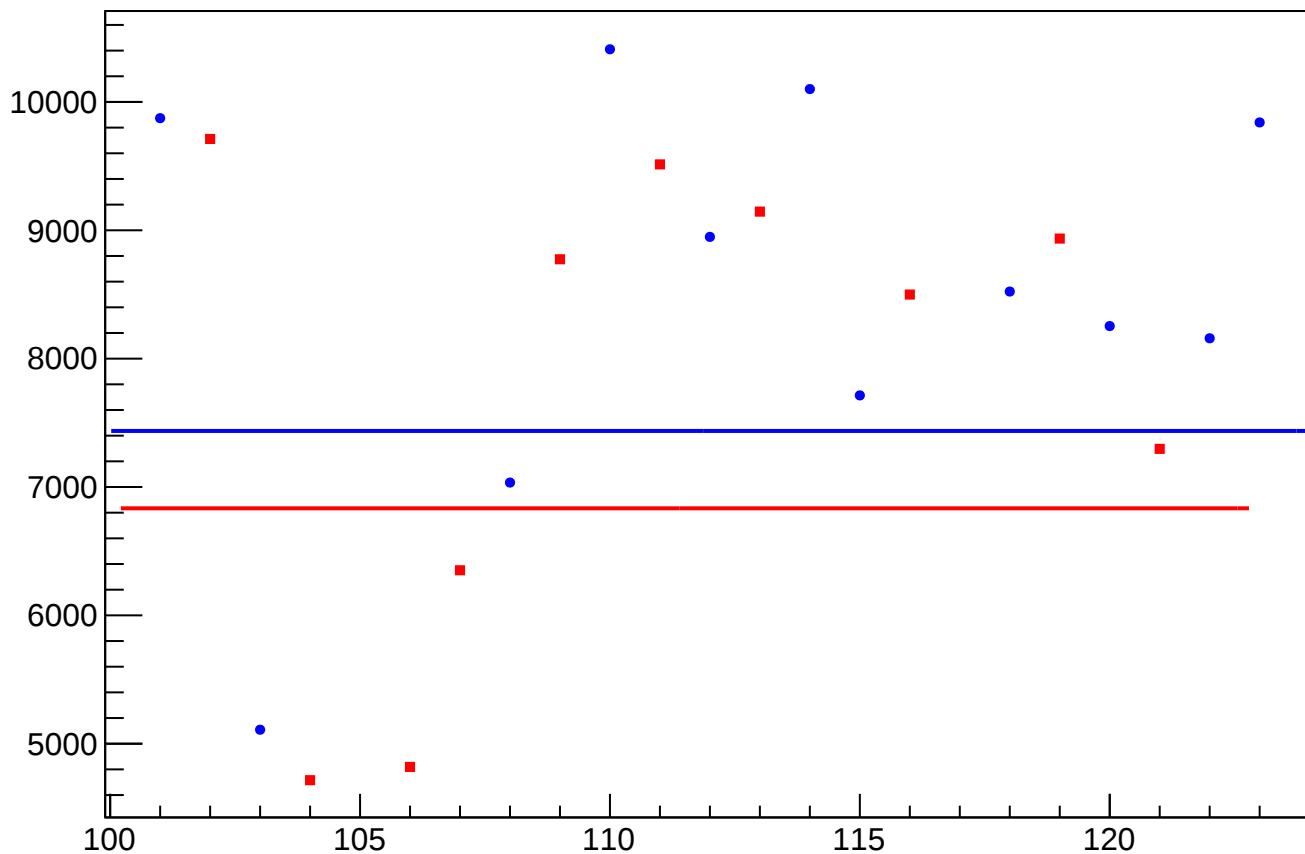
Right: -1872.178+/-2586.352  $\chi^2/\text{NDF}$ : 21.0/20

In: -2753.729+/-3890.500  $\chi^2/\text{NDF}$ : 9.3/10

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

All: -1872.178+/-2586.352  $\chi^2/\text{NDF}$ : 21.0/20

# asym\_atr2\_correction\_rms vs Slug, Sign Corrected



Right In: 7436.757+/-2.751  $\chi^2$ /NDF: 442141.4/10

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

Right Out: 6833.956+/-2.448  $\chi^2$ /NDF: 656319.7/9

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

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

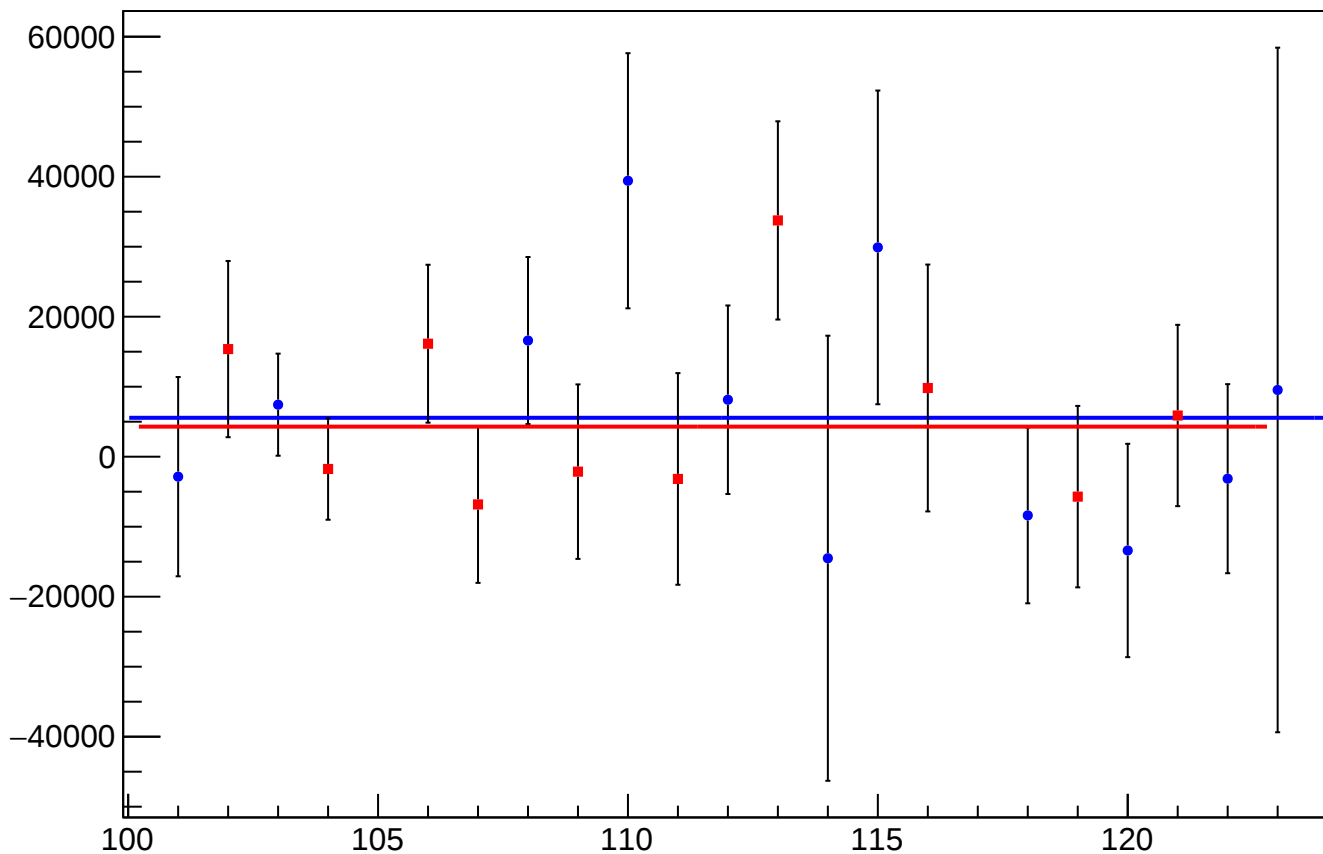
Right: 7100.358+/-1.829  $\chi^2$ /NDF: 1125255.7/20

In: 7436.757+/-2.751  $\chi^2$ /NDF:442141.4/10

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

All: 7100.358+/-1.829  $\chi^2$ /NDF: 1125255.7/20

# asym\_atr2\_mean vs Slug, Sign Corrected



Right In: 5557.577+/-4123.419  $\chi^2/\text{NDF}$ : 9.5/10

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

Right Out: 4295.708+/-3724.941  $\chi^2/\text{NDF}$ : 9.1/9

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

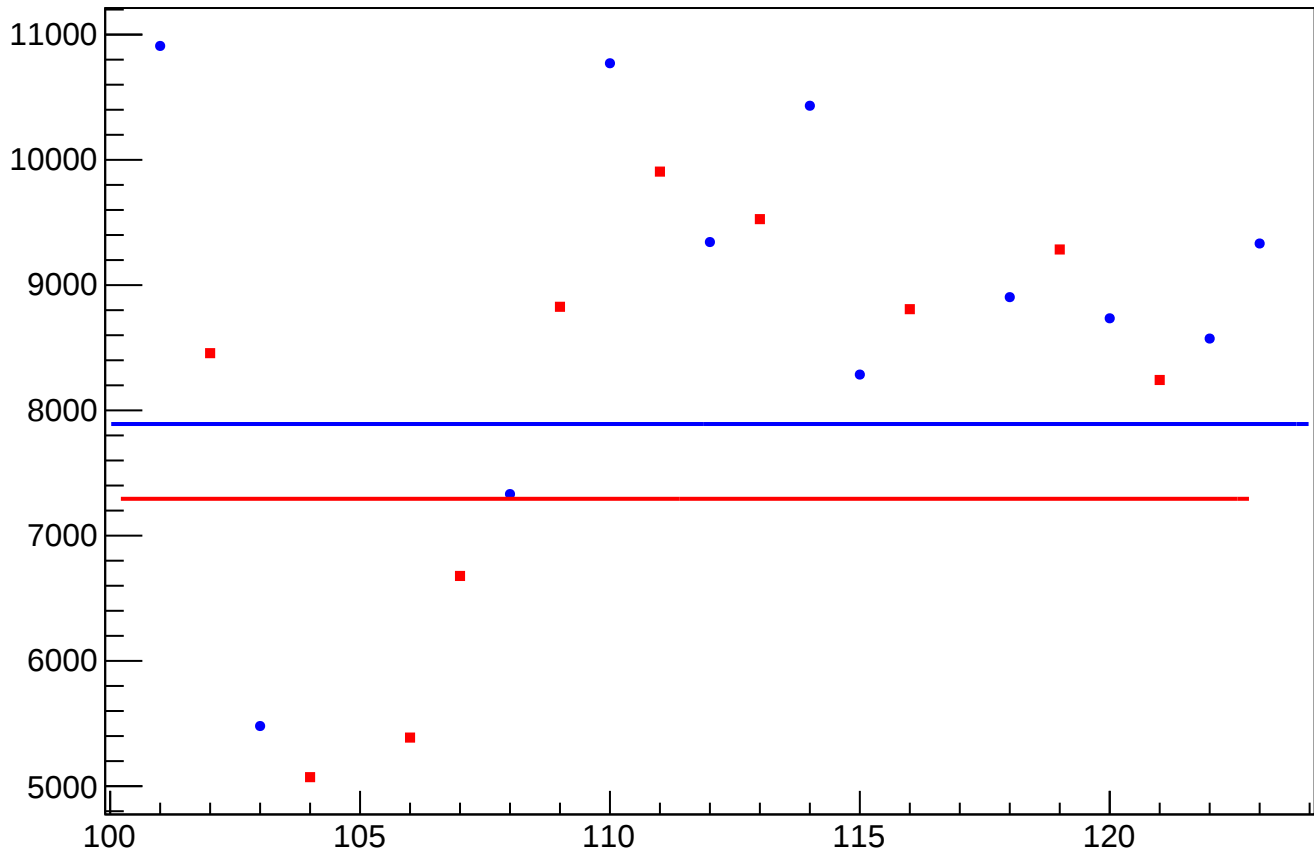
Right: 4862.739+/-2764.101  $\chi^2/\text{NDF}$ : 18.7/20

In: 5557.577+/-4123.419  $\chi^2/\text{NDF}$ : 9.5/10

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

All: 4862.739+/-2764.101  $\chi^2/\text{NDF}$ : 18.7/20

# asym\_atr2\_rms vs Slug, Sign Corrected



Right In: 7891.180+/-2.916  $\chi^2/\text{NDF}$ : 425582.4/10

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

Right Out: 7294.110+/-2.634  $\chi^2/\text{NDF}$ : 480340.6/9

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

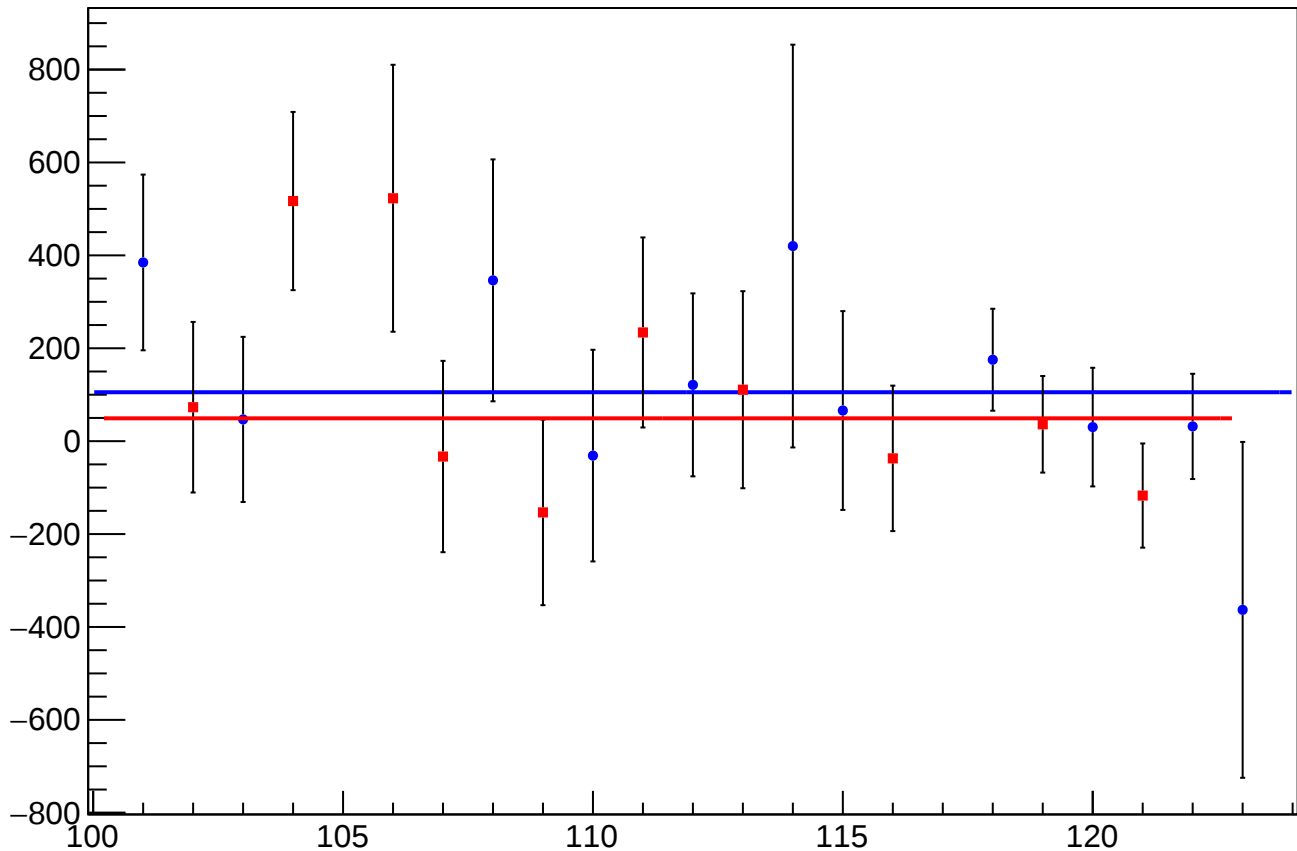
Right: 7562.394+/-1.954  $\chi^2/\text{NDF}$ : 929014.6/20

In: 7891.180+/-2.916  $\chi^2/\text{NDF}$ : 425582.4/10

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

All: 7562.394+/-1.954  $\chi^2/\text{NDF}$ : 929014.6/20

# dit\_asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 105.343+/-51.538  $\chi^2/\text{NDF}$ : 6.9/10

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

Right Out: 49.181+/-51.536  $\chi^2/\text{NDF}$ : 13.3/9

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

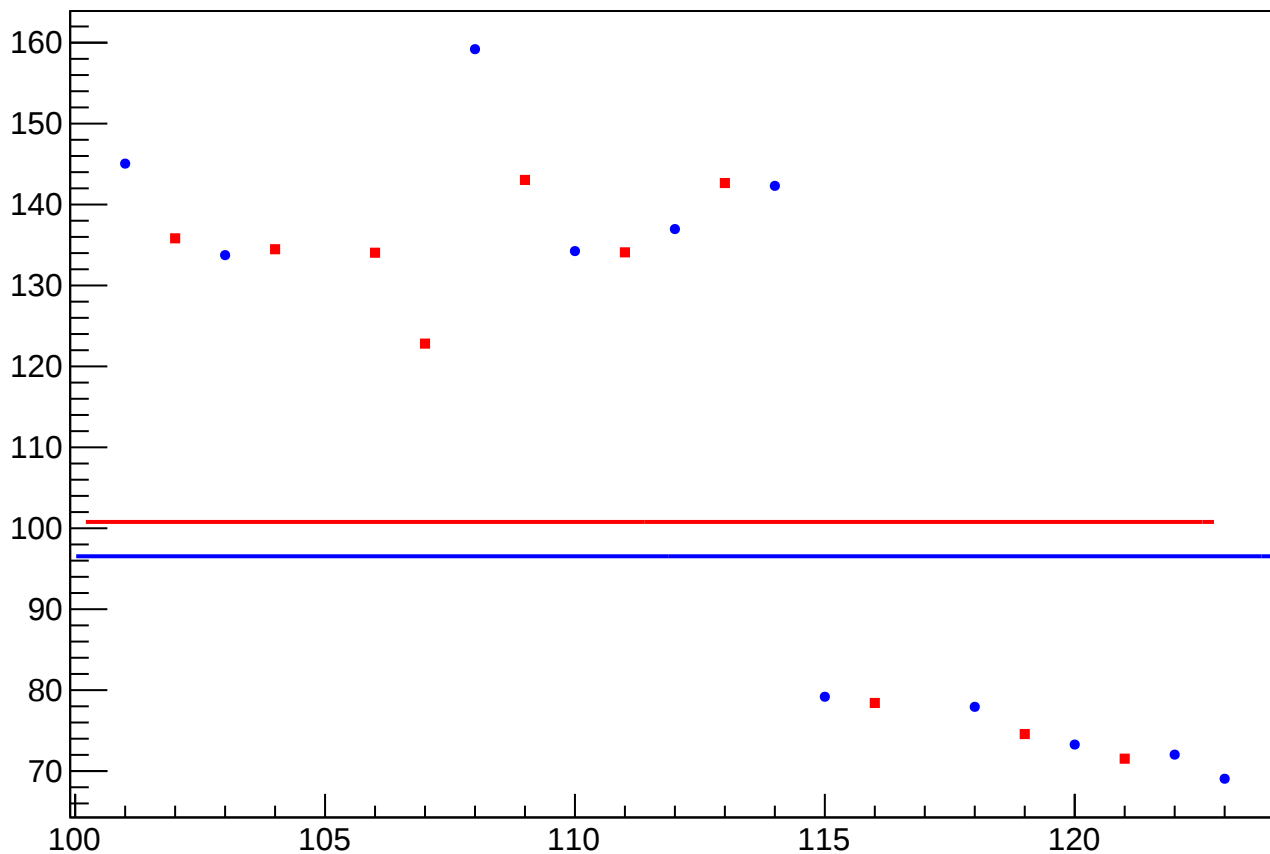
Right: 77.261+/-36.442  $\chi^2/\text{NDF}$ : 20.8/20

In: 105.343+/-51.538  $\chi^2/\text{NDF}$ : 6.9/10

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

All: 77.261+/-36.442  $\chi^2/\text{NDF}$ : 20.8/20

# dit\_asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 96.540+/-0.036  $\chi^2/\text{NDF}$ : 738559.1/10

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

Right Out: 100.783+/-0.036  $\chi^2/\text{NDF}$ : 708708.7/9

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

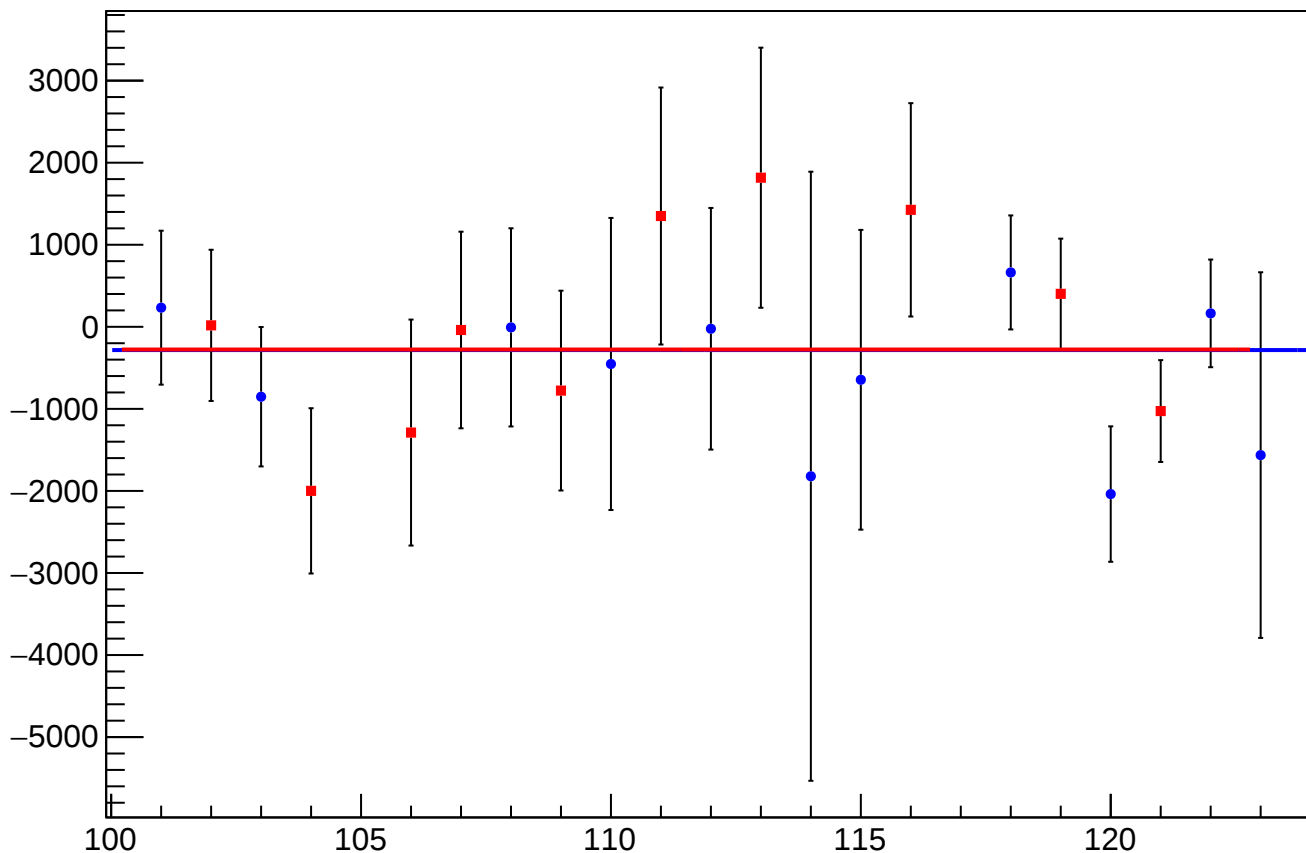
Right: 98.661+/-0.026  $\chi^2/\text{NDF}$ : 1454046.5/20

In: 96.540+/-0.036  $\chi^2/\text{NDF}$ : 738559.1/10

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

All: 98.661+/-0.026  $\chi^2/\text{NDF}$ : 1454046.5/20

asym\_sam1\_correction\_mean vs Slug, Sign Corrected



Right In: -283.490+/-309.727  $\chi^2/\text{NDF}$ : 8.2/10

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

Right Out: -276.749+/-312.060  $\chi^2/\text{NDF}$ : 10.8/9

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

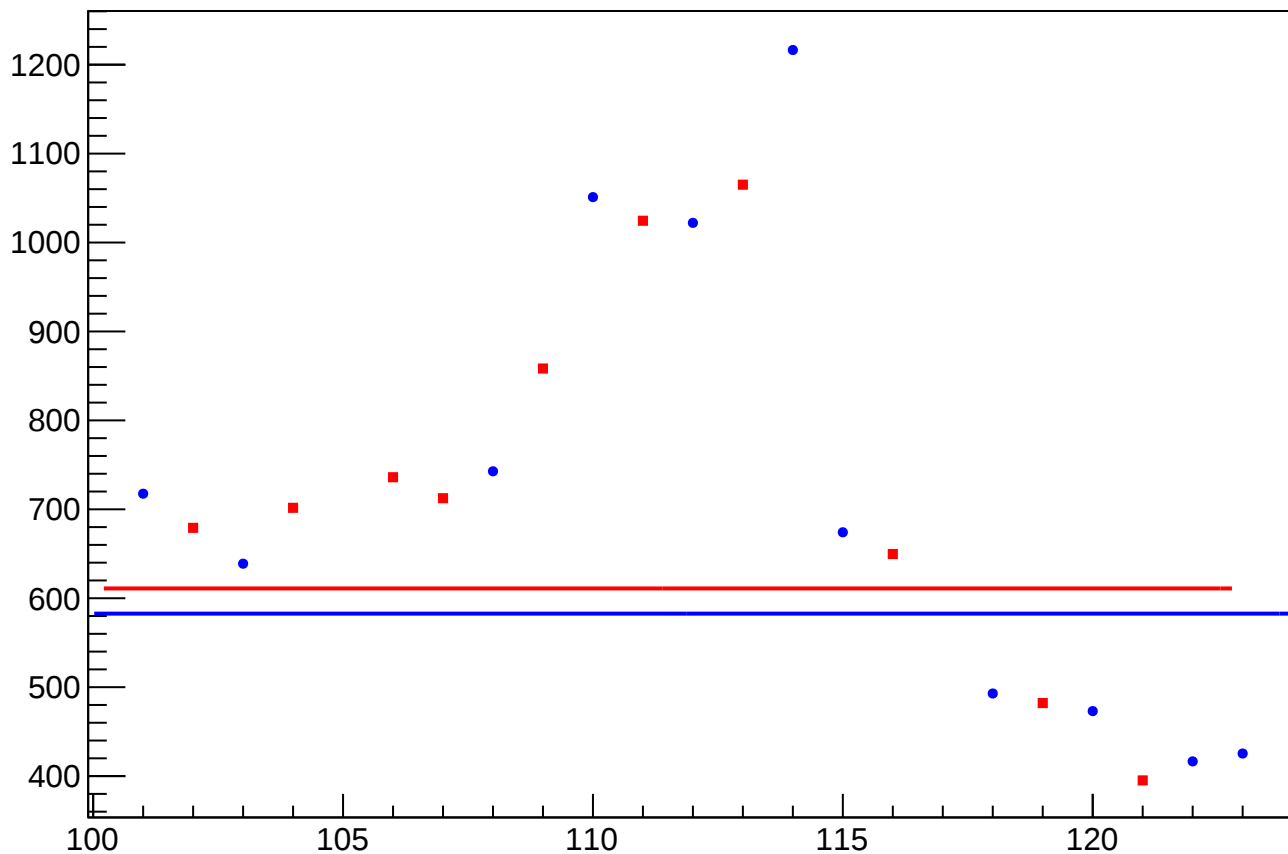
Right: -280.145+/-219.830  $\chi^2/\text{NDF}$ : 19.0/20

In: -283.490+/-309.727  $\chi^2/\text{NDF}$ : 8.2/10

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

All: -280.145+/-219.830  $\chi^2/\text{NDF}$ : 19.0/20

asym\_sam1\_correction\_rms vs Slug, Sign Corrected



Right In: 582.691+/-0.219  $\chi^2/\text{NDF}$ : 672235.7/10

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

Right Out: 611.014+/-0.221  $\chi^2/\text{NDF}$ : 761413.4/9

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

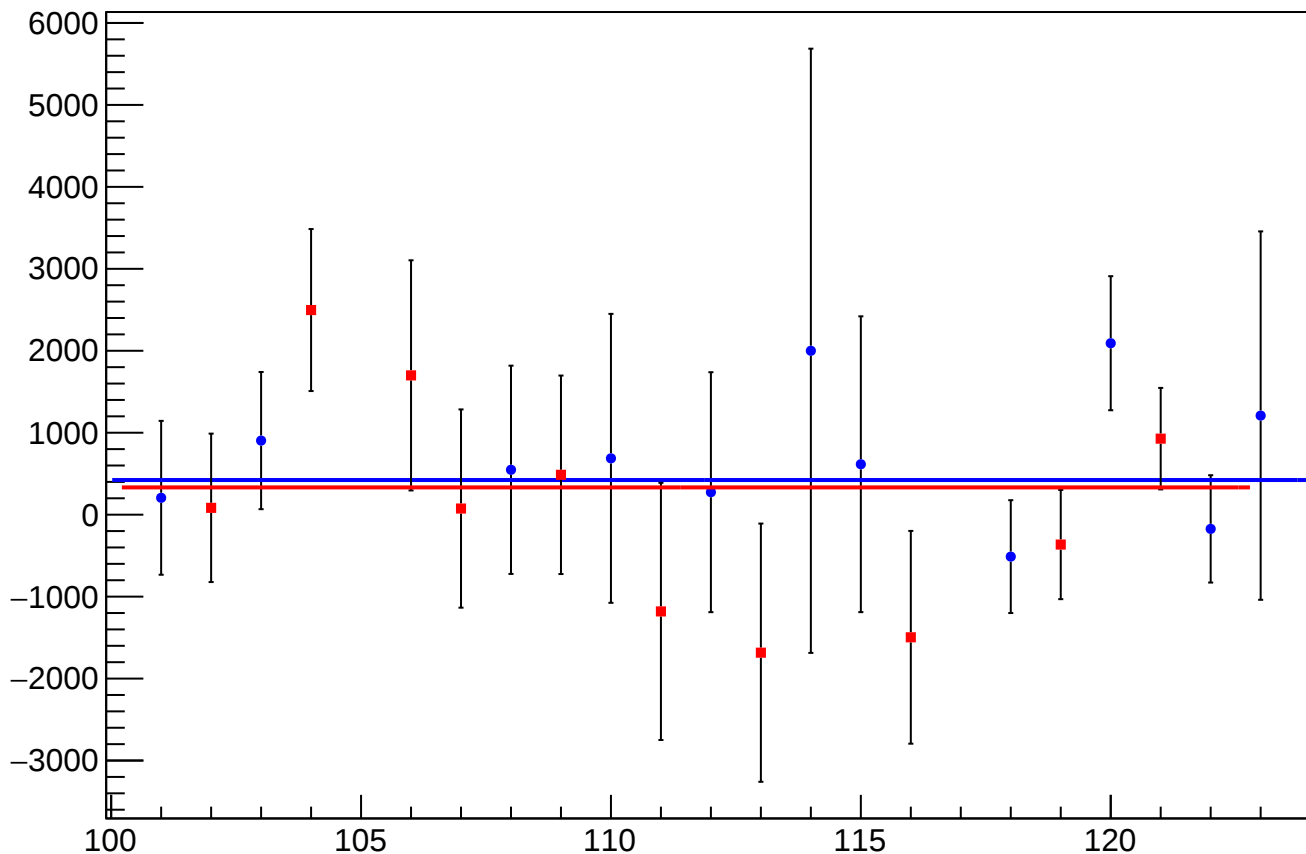
Right: 596.746+/-0.155  $\chi^2/\text{NDF}$ : 1441948.4/20

In: 582.691+/-0.219  $\chi^2/\text{NDF}$ : 672235.7/10

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

All: 596.746+/-0.155  $\chi^2/\text{NDF}$ : 1441948.4/20

# asym\_sam1\_mean vs Slug, Sign Corrected



Right In: 422.773+/-308.823  $\chi^2/\text{NDF}$ : 7.6/10

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

Right Out: 332.862+/-310.420  $\chi^2/\text{NDF}$ : 12.5/9

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

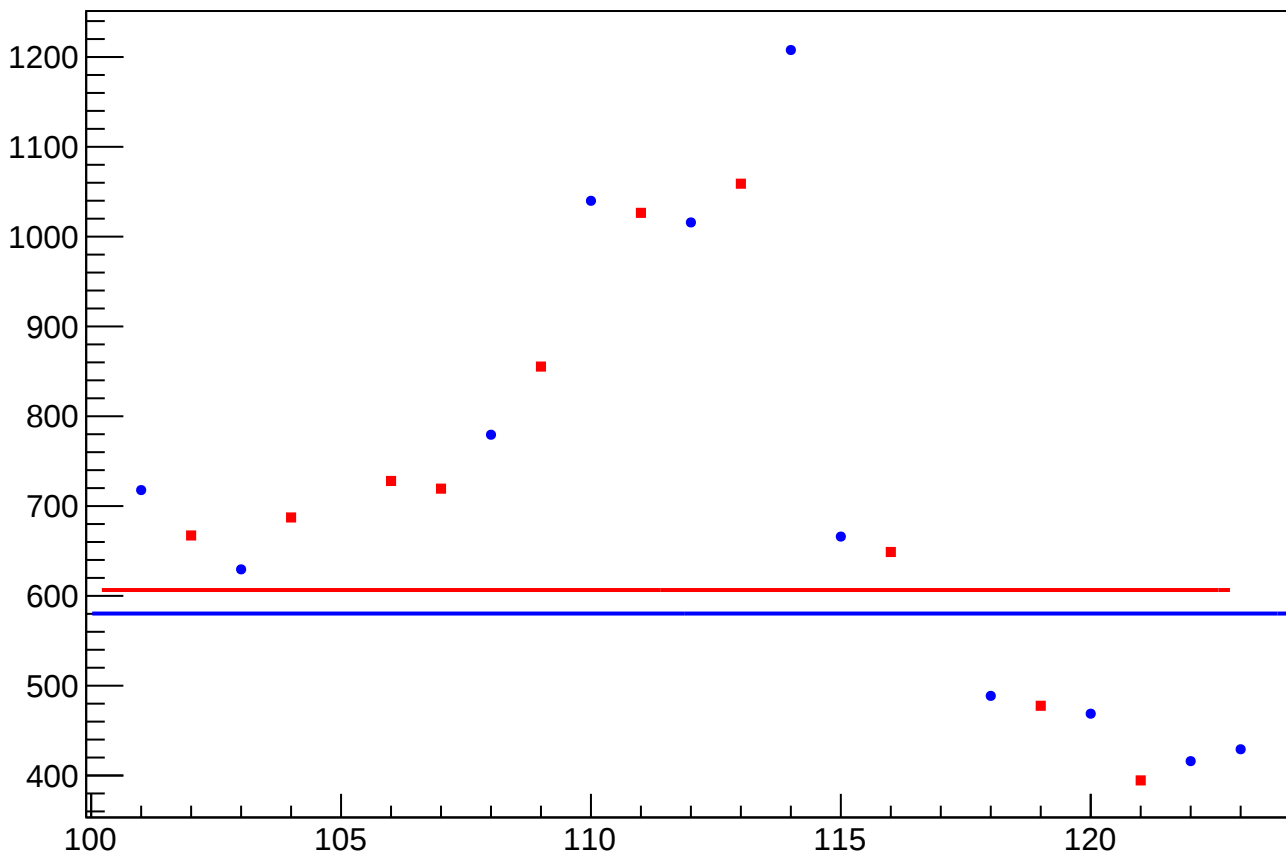
Right: 378.049+/-218.933  $\chi^2/\text{NDF}$ : 20.1/20

In: 422.773+/-308.823  $\chi^2/\text{NDF}$ : 7.6/10

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

All: 378.049+/-218.933  $\chi^2/\text{NDF}$ : 20.1/20

# asym\_sam1\_rms vs Slug, Sign Corrected



Right In: 580.330+/-0.218  $\chi^2/\text{NDF}$ : 681922.6/10

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

Right Out: 606.538+/-0.220  $\chi^2/\text{NDF}$ : 758642.8/9

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

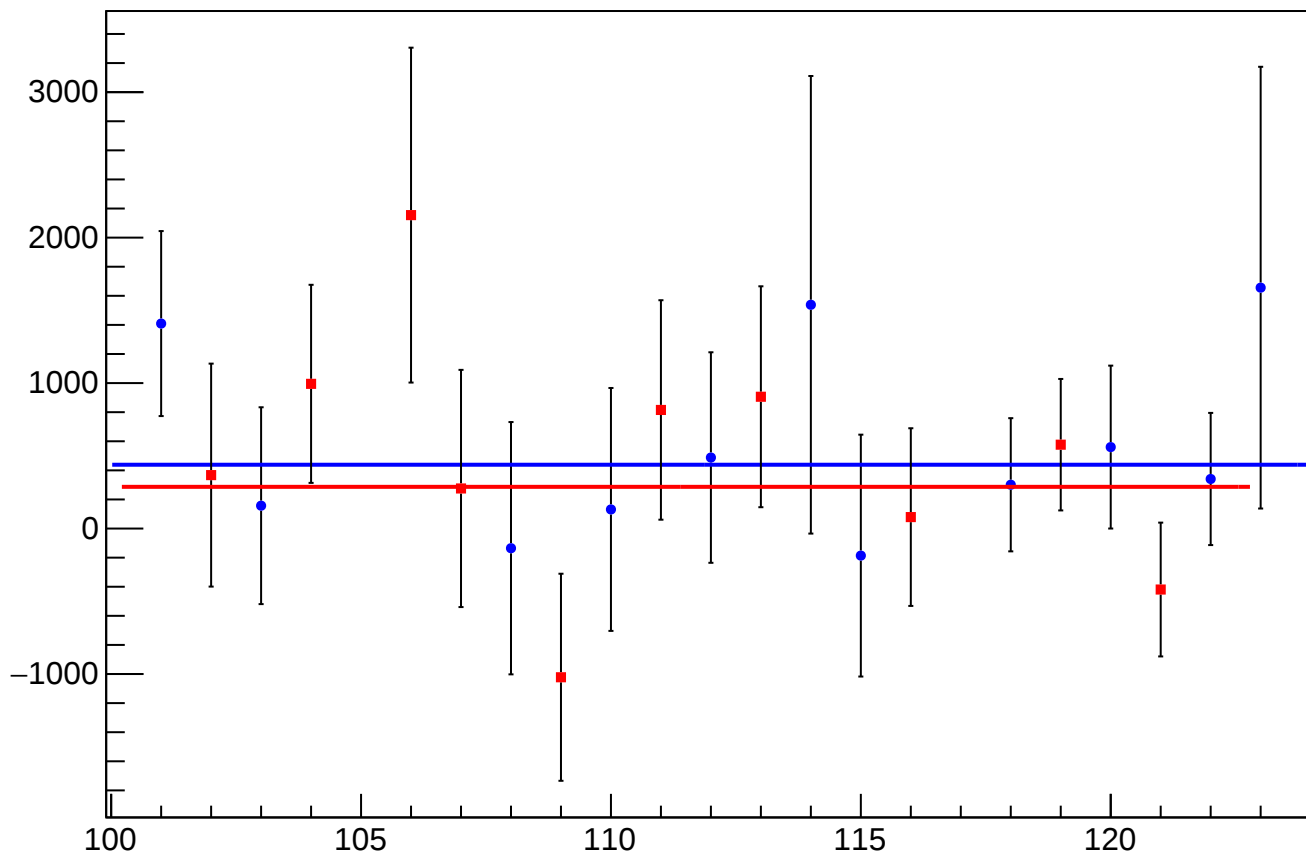
Right: 593.367+/-0.155  $\chi^2/\text{NDF}$ : 1447729.9/20

In: 580.330+/-0.218  $\chi^2/\text{NDF}$ : 681922.6/10

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

All: 593.367+/-0.155  $\chi^2/\text{NDF}$ : 1447729.9/20

# dit\_asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 438.716+/-202.356  $\chi^2/\text{NDF}$ : 5.0/10

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

Right Out: 286.792+/-204.597  $\chi^2/\text{NDF}$ : 11.1/9

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

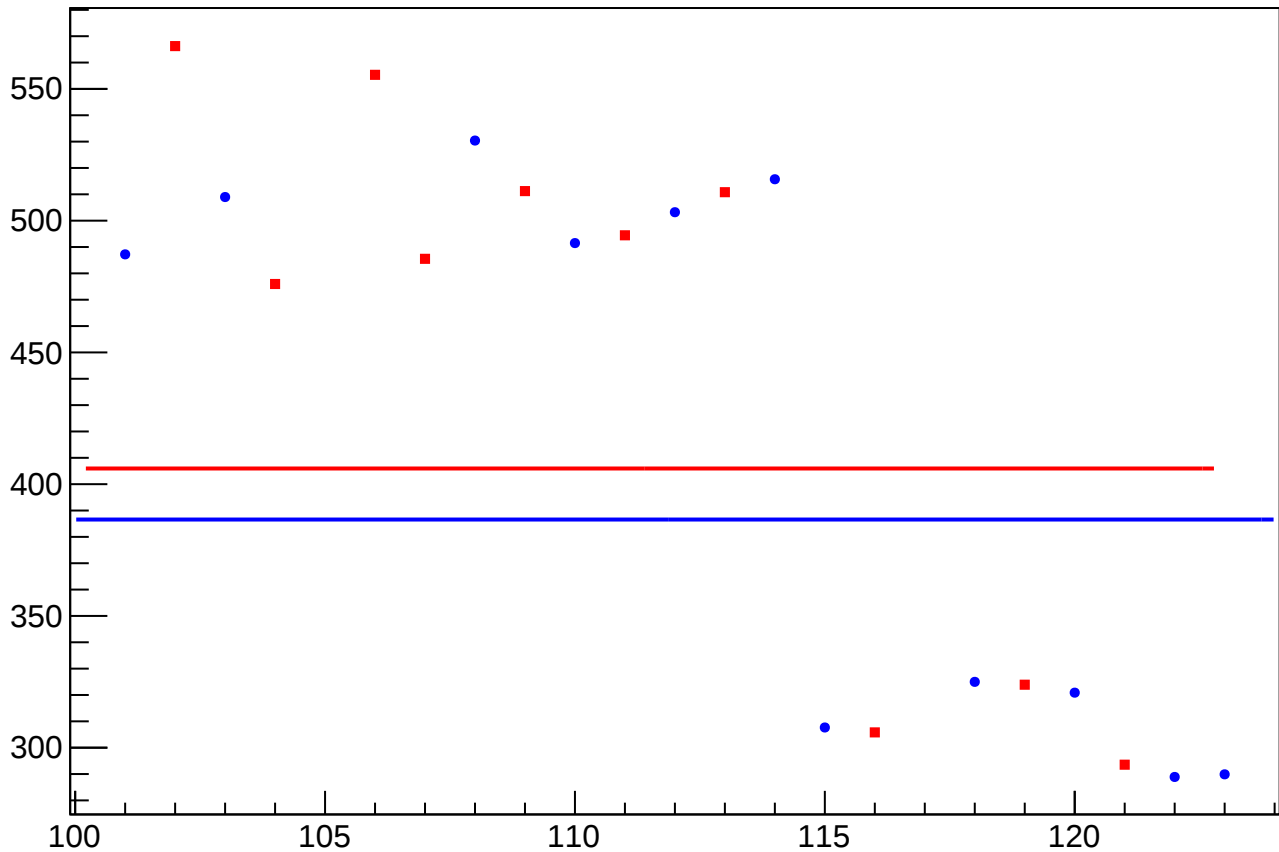
Right: 363.591+/-143.873  $\chi^2/\text{NDF}$ : 16.4/20

In: 438.716+/-202.356  $\chi^2/\text{NDF}$ : 5.0/10

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

All: 363.591+/-143.873  $\chi^2/\text{NDF}$ : 16.4/20

# dit\_asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 386.583+/-0.143  $\chi^2/\text{NDF}$ : 449884.2/10

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

Right Out: 405.950+/-0.145  $\chi^2/\text{NDF}$ : 509943.0/9

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

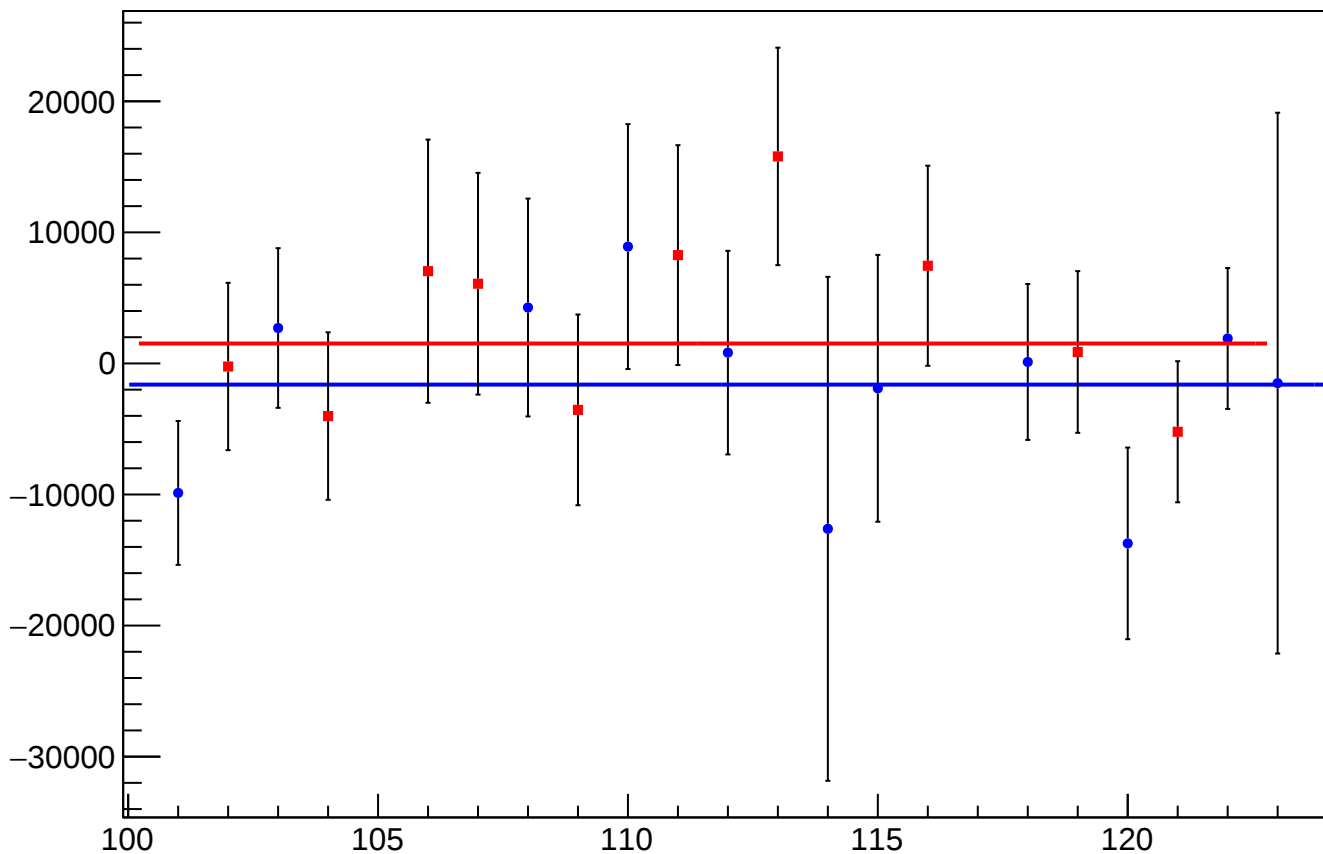
Right: 396.160+/-0.102  $\chi^2/\text{NDF}$ : 968886.1/20

In: 386.583+/-0.143  $\chi^2/\text{NDF}$ :449884.2/10

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

All: 396.160+/-0.102  $\chi^2/\text{NDF}$ : 968886.1/20

asym\_sam2\_correction\_mean vs Slug, Sign Corrected



Right In: -1615.292 $\pm$ 2241.886  $\chi^2$ /NDF: 8.2/10

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

Right Out: 1519.270 $\pm$ 2244.410  $\chi^2$ /NDF: 7.7/9

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

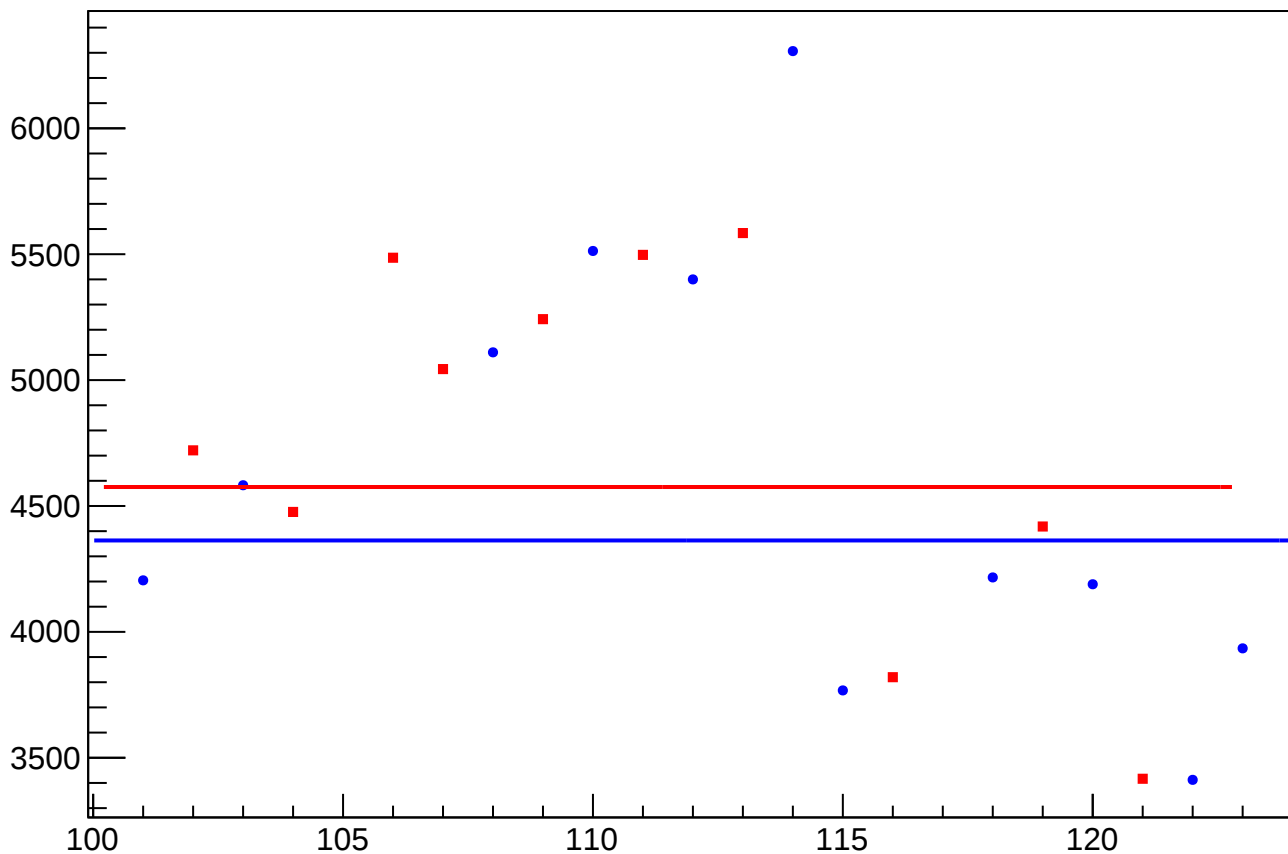
Right: -49.774 $\pm$ 1586.144  $\chi^2$ /NDF: 16.9/20

In: -1615.292 $\pm$ 2241.886  $\chi^2$ /NDF:8.2/10

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

All: -49.774 $\pm$ 1586.144  $\chi^2$ /NDF: 16.9/20

asym\_sam2\_correction\_rms vs Slug, Sign Corrected



Right In: 4363.083+/-1.585  $\chi^2/\text{NDF}$ : 179473.9/10

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

Right Out: 4575.384+/-1.587  $\chi^2/\text{NDF}$ : 208190.0/9

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

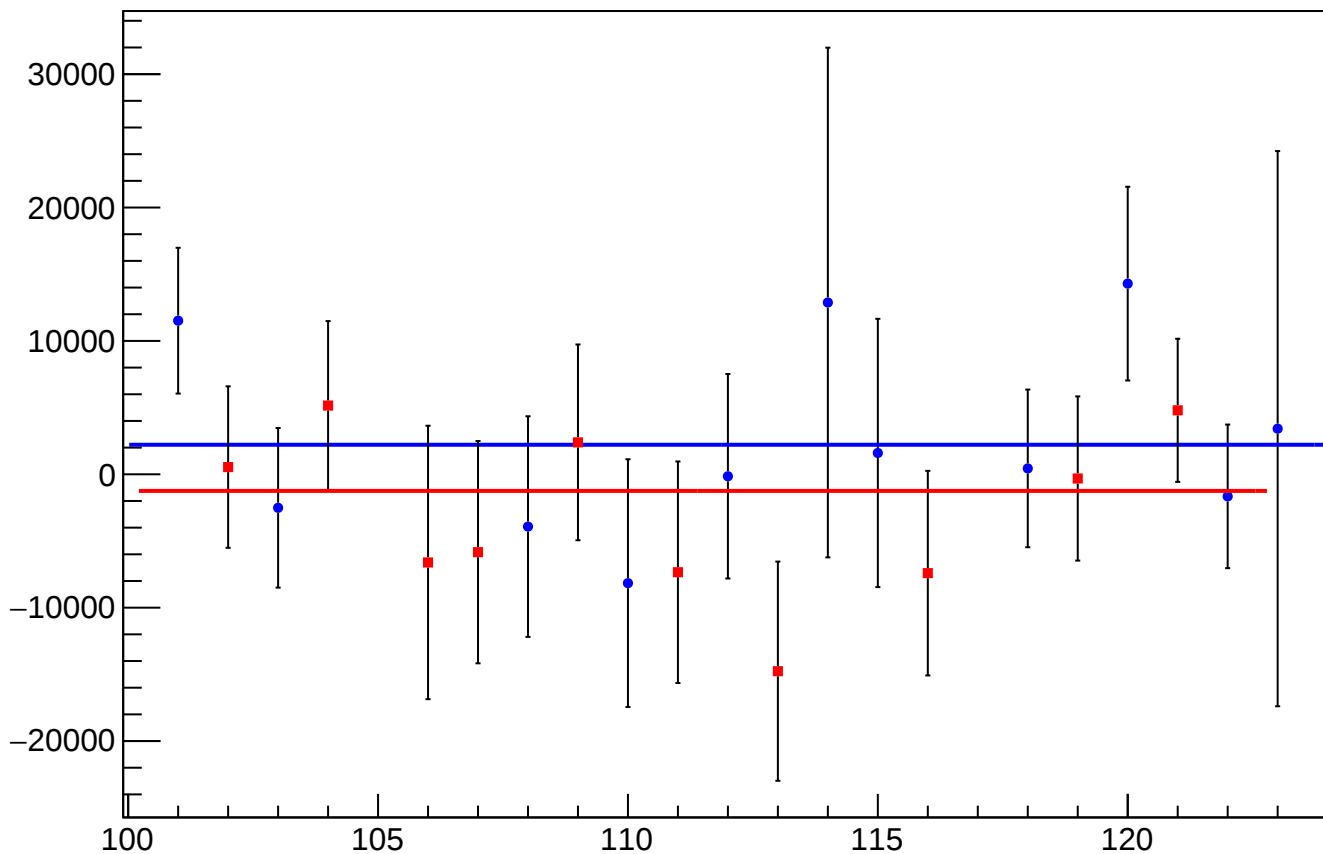
Right: 4469.114+/-1.122  $\chi^2/\text{NDF}$ : 396621.4/20

In: 4363.083+/-1.585  $\chi^2/\text{NDF}$ : 179473.9/10

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

All: 4469.114+/-1.122  $\chi^2/\text{NDF}$ : 396621.4/20

# asym\_sam2\_mean vs Slug, Sign Corrected



Right In: 2214.659+/-2226.870  $\chi^2/\text{NDF}$ : 9.1/10

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

Right Out: -1246.595+/-2224.207  $\chi^2/\text{NDF}$ : 7.1/9

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

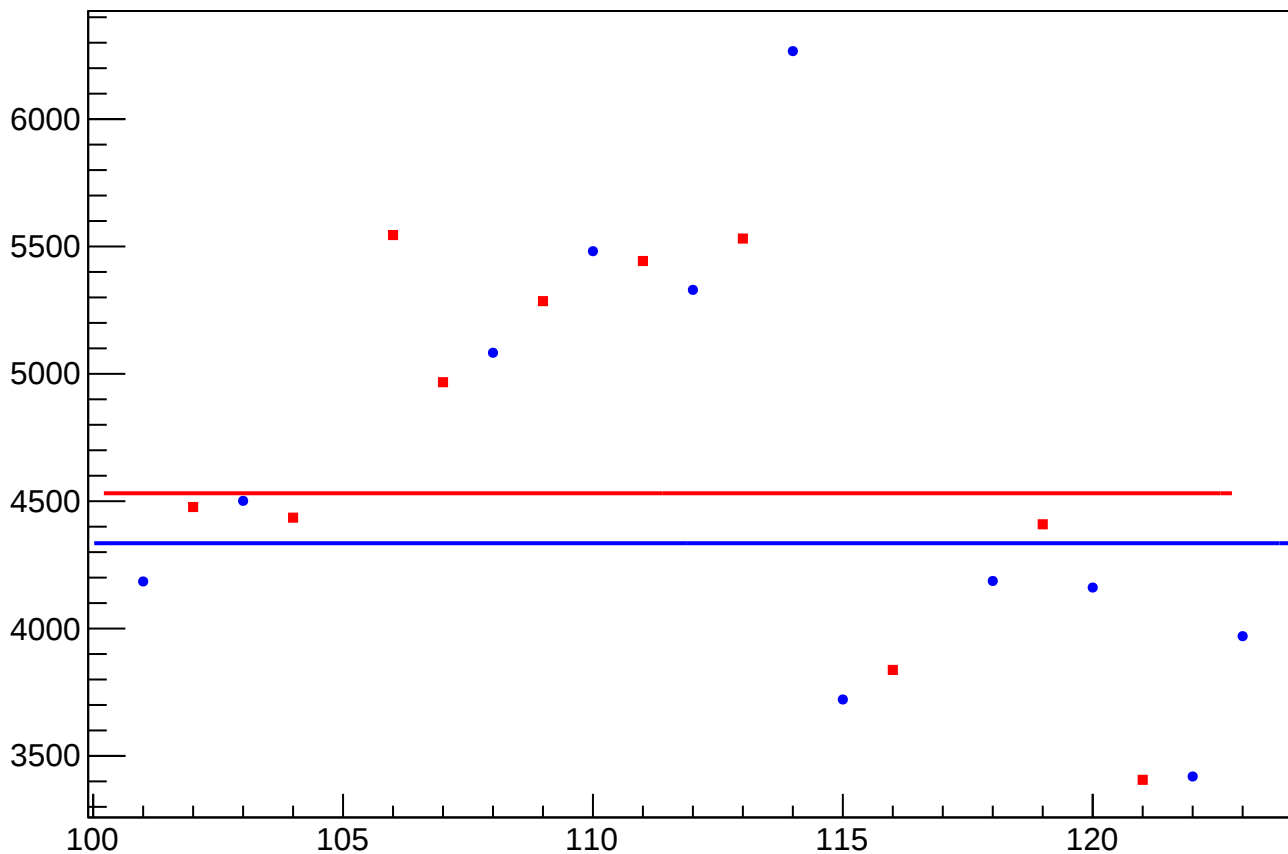
Right: 481.961+/-1573.692  $\chi^2/\text{NDF}$ : 17.4/20

In: 2214.659+/-2226.870  $\chi^2/\text{NDF}$ : 9.1/10

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

All: 481.961+/-1573.692  $\chi^2/\text{NDF}$ : 17.4/20

# asym\_sam2\_rms vs Slug, Sign Corrected



Right In: 4335.061+/-1.575  $\chi^2/\text{NDF}$ : 172332.6/10

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

Right Out: 4531.166+/-1.573  $\chi^2/\text{NDF}$ : 205599.2/9

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

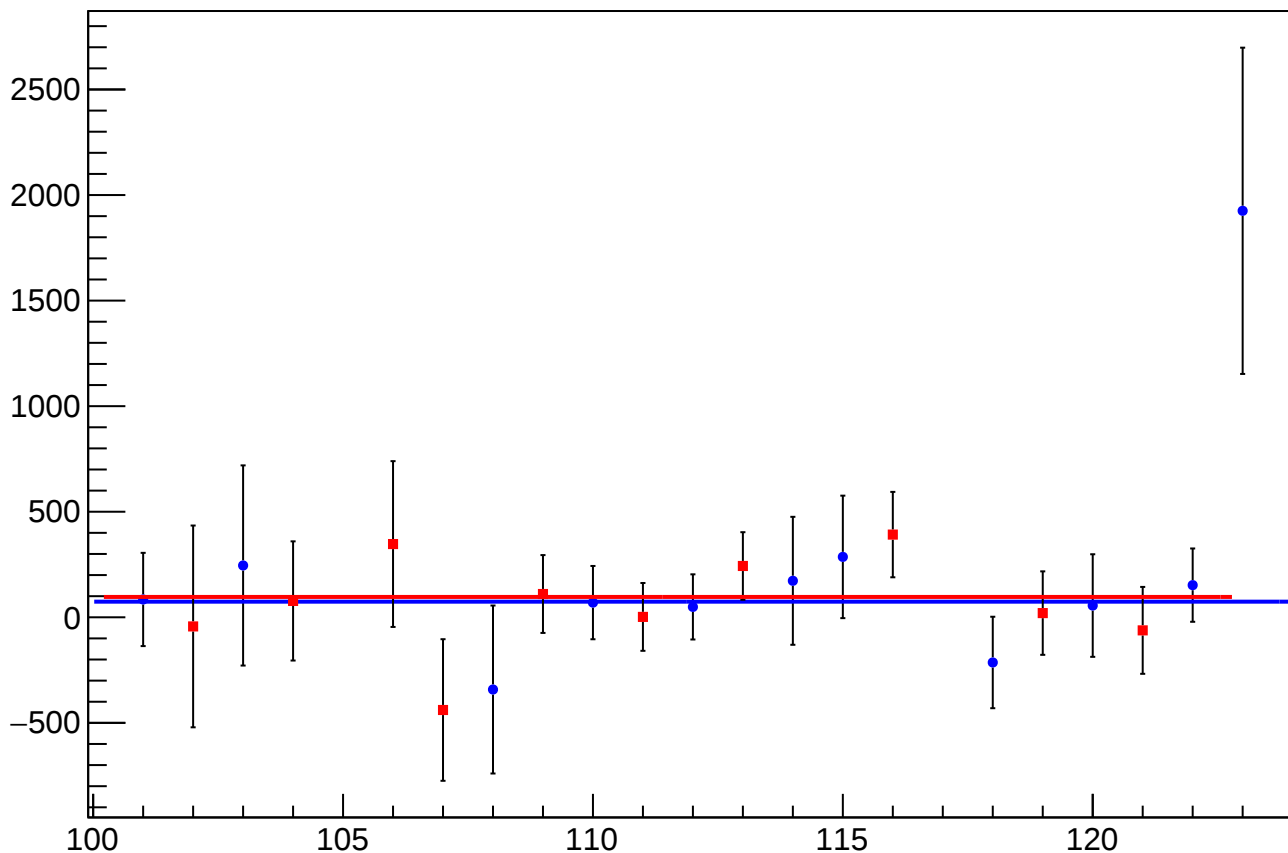
Right: 4433.231+/-1.113  $\chi^2/\text{NDF}$ : 385696.2/20

In: 4335.061+/-1.575  $\chi^2/\text{NDF}$ : 172332.6/10

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

All: 4433.231+/-1.113  $\chi^2/\text{NDF}$ : 385696.2/20

# dit\_asym\_sam3\_mean vs Slug, Sign Corrected



Right In: 74.029+/-70.300  $\chi^2/\text{NDF}$ : 9.6/10

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

Right Out: 96.416+/-68.493  $\chi^2/\text{NDF}$ : 7.1/9

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

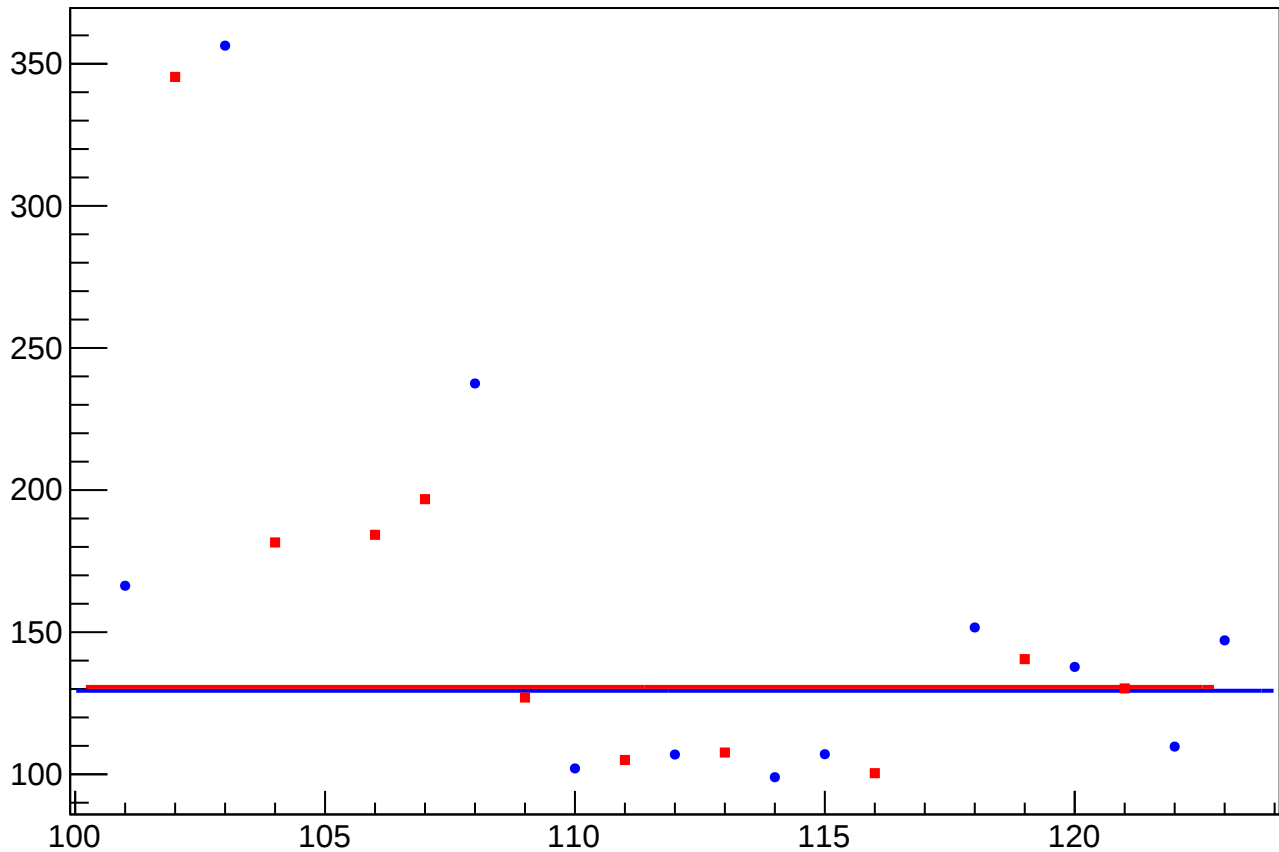
Right: 85.514+/-49.058  $\chi^2/\text{NDF}$ : 16.8/20

In: 74.029+/-70.300  $\chi^2/\text{NDF}$ : 9.6/10

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

All: 85.514+/-49.058  $\chi^2/\text{NDF}$ : 16.8/20

# dit\_asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 129.391+/-0.050  $\chi^2/\text{NDF}$ : 836407.7/10

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

Right Out: 130.747+/-0.048  $\chi^2/\text{NDF}$ : 726738.5/9

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

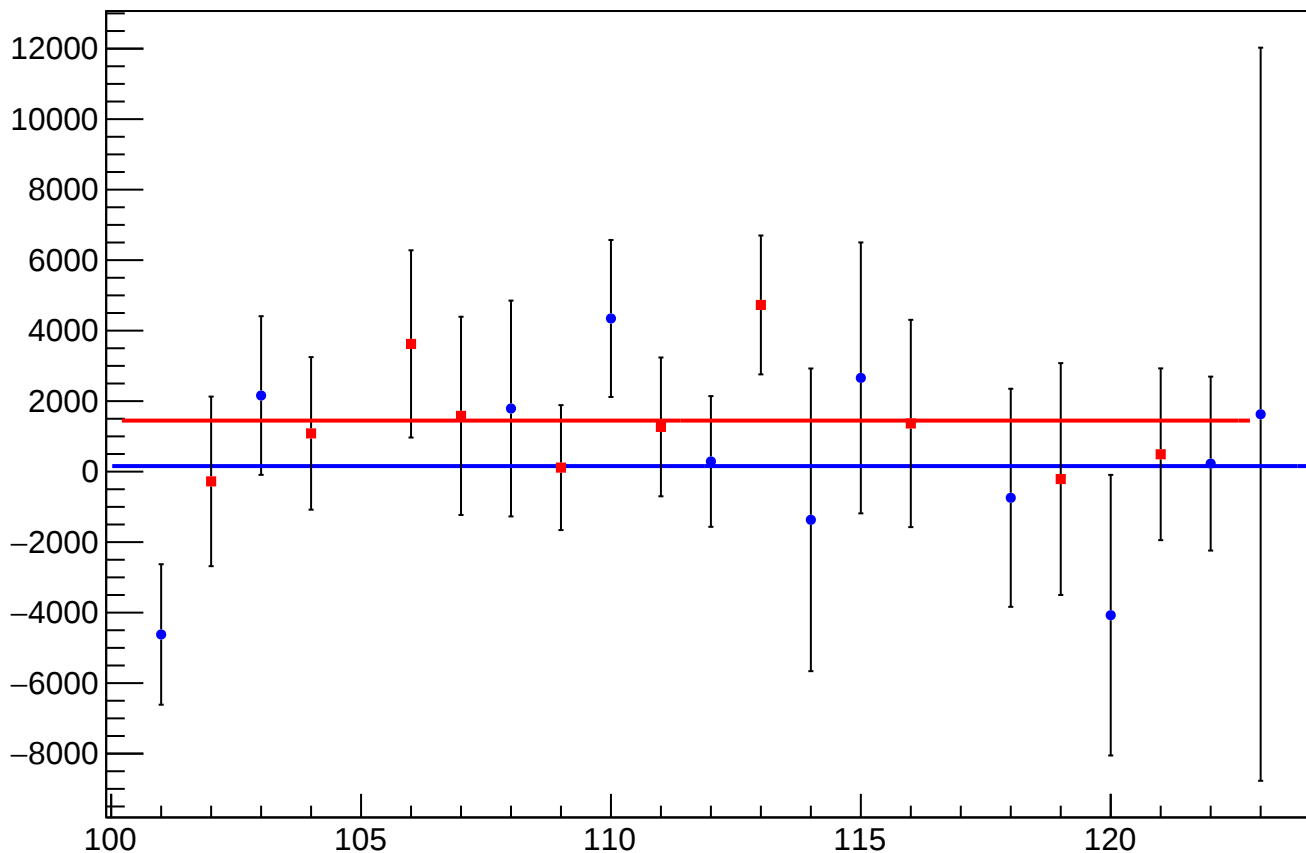
Right: 130.086+/-0.035  $\chi^2/\text{NDF}$ : 1563528.1/20

In: 129.391+/-0.050  $\chi^2/\text{NDF}$ : 836407.7/10

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

All: 130.086+/-0.035  $\chi^2/\text{NDF}$ : 1563528.1/20

asym\_sam3\_correction\_mean vs Slug, Sign Corrected



Right In: 157.208+/-813.399  $\chi^2/\text{NDF}$ : 12.1/10

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

Right Out: 1448.297+/-732.257  $\chi^2/\text{NDF}$ : 5.0/9

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

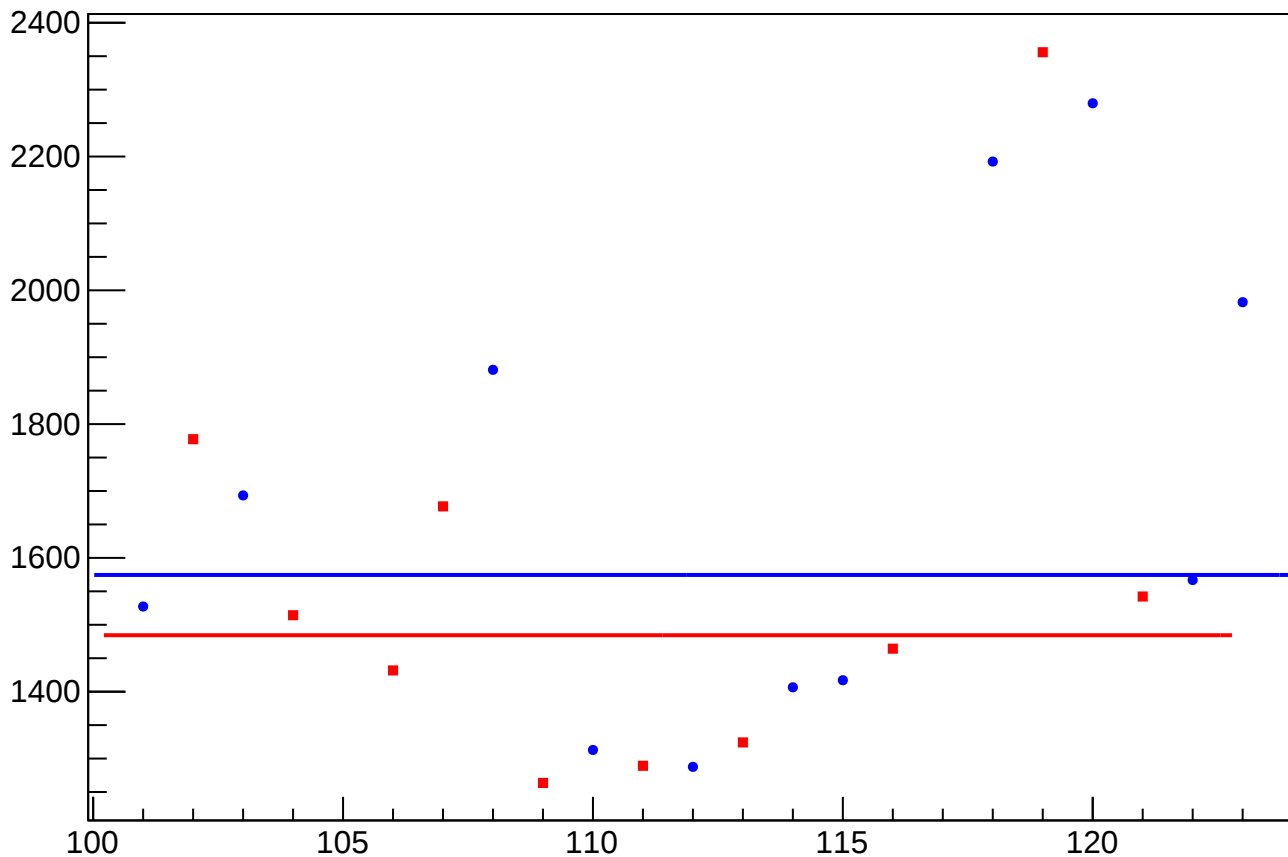
Right: 870.344+/-544.216  $\chi^2/\text{NDF}$ : 18.5/20

In: 157.208+/-813.399  $\chi^2/\text{NDF}$ : 12.1/10

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

All: 870.344+/-544.216  $\chi^2/\text{NDF}$ : 18.5/20

asym\_sam3\_correction\_rms vs Slug, Sign Corrected



Right In: 1574.497+/-0.575  $\chi^2/\text{NDF}$ : 254359.4/10

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

Right Out: 1484.392+/-0.518  $\chi^2/\text{NDF}$ : 245864.9/9

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

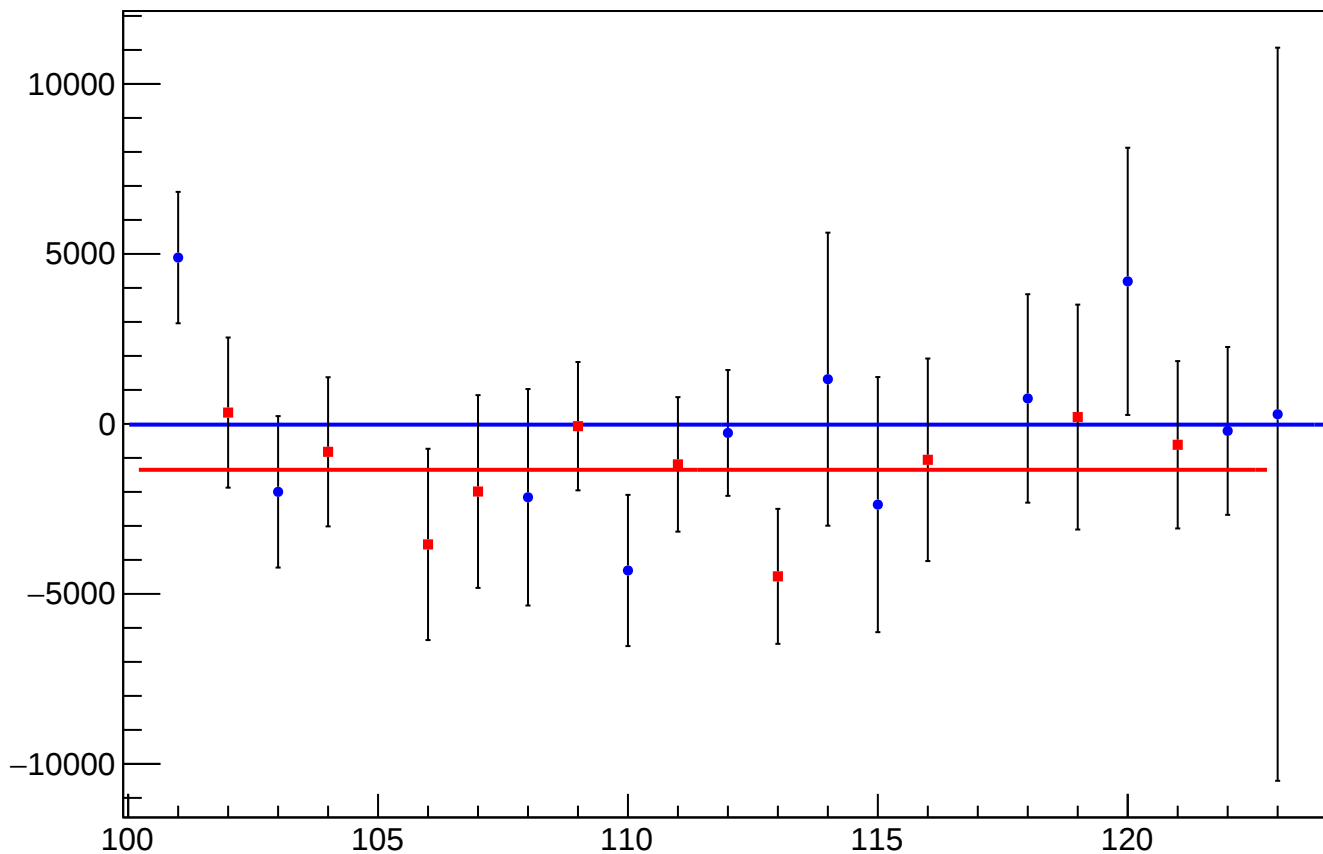
Right: 1524.727+/-0.385  $\chi^2/\text{NDF}$ : 513780.3/20

In: 1574.497+/-0.575  $\chi^2/\text{NDF}$ : 254359.4/10

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

All: 1524.727+/-0.385  $\chi^2/\text{NDF}$ : 513780.3/20

# asym\_sam3\_mean vs Slug, Sign Corrected



Right In: -21.115+/-808.258  $\chi^2/\text{NDF}$ : 13.1/10

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

Right Out: -1349.411+/-740.676  $\chi^2/\text{NDF}$ : 4.6/9

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

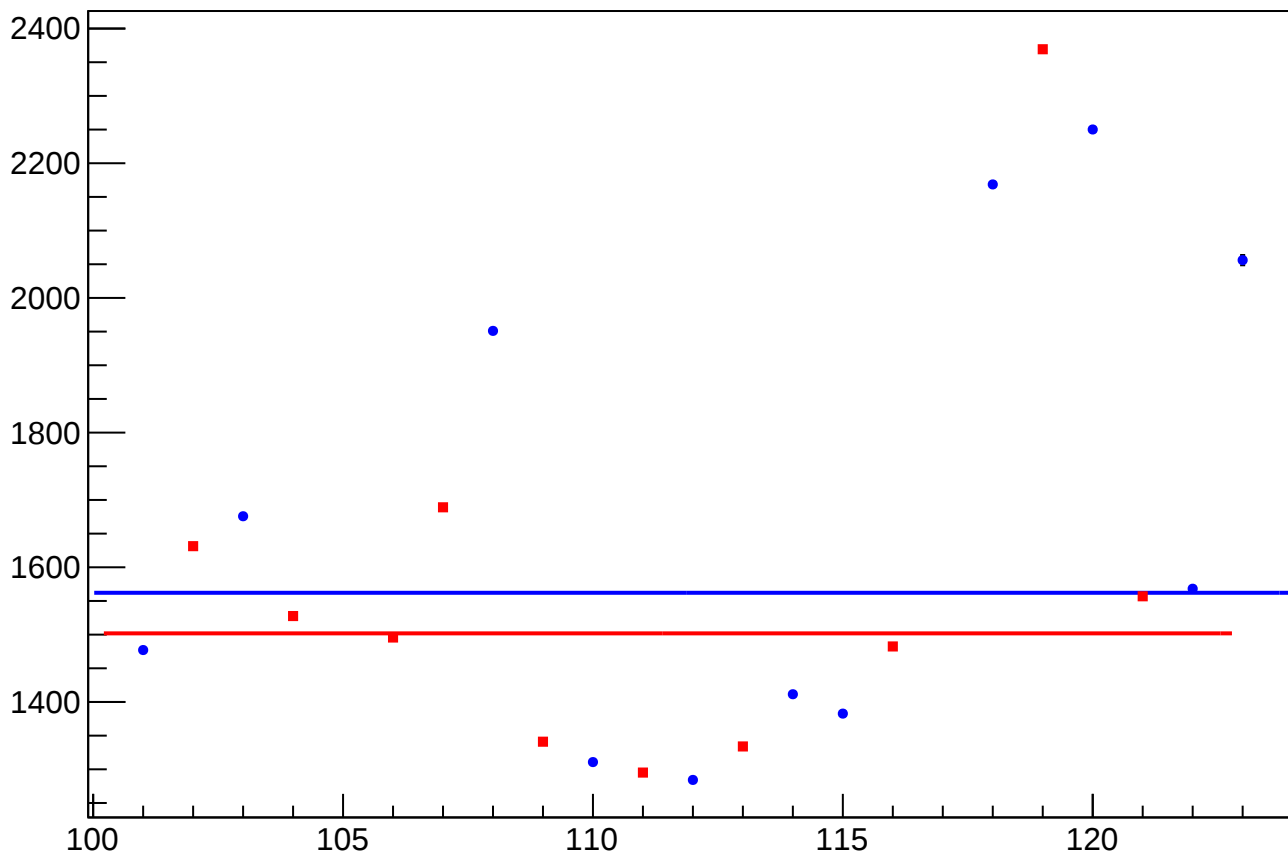
Right: -743.108+/-546.069  $\chi^2/\text{NDF}$ : 19.2/20

In: -21.115+/-808.258  $\chi^2/\text{NDF}$ :13.1/10

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

All: -743.108+/-546.069  $\chi^2/\text{NDF}$ : 19.2/20

# asym\_sam3\_rms vs Slug, Sign Corrected



Right In: 1562.141+/-0.572  $\chi^2/\text{NDF}$ : 260360.1/10

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

Right Out: 1501.880+/-0.524  $\chi^2/\text{NDF}$ : 205181.7/9

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

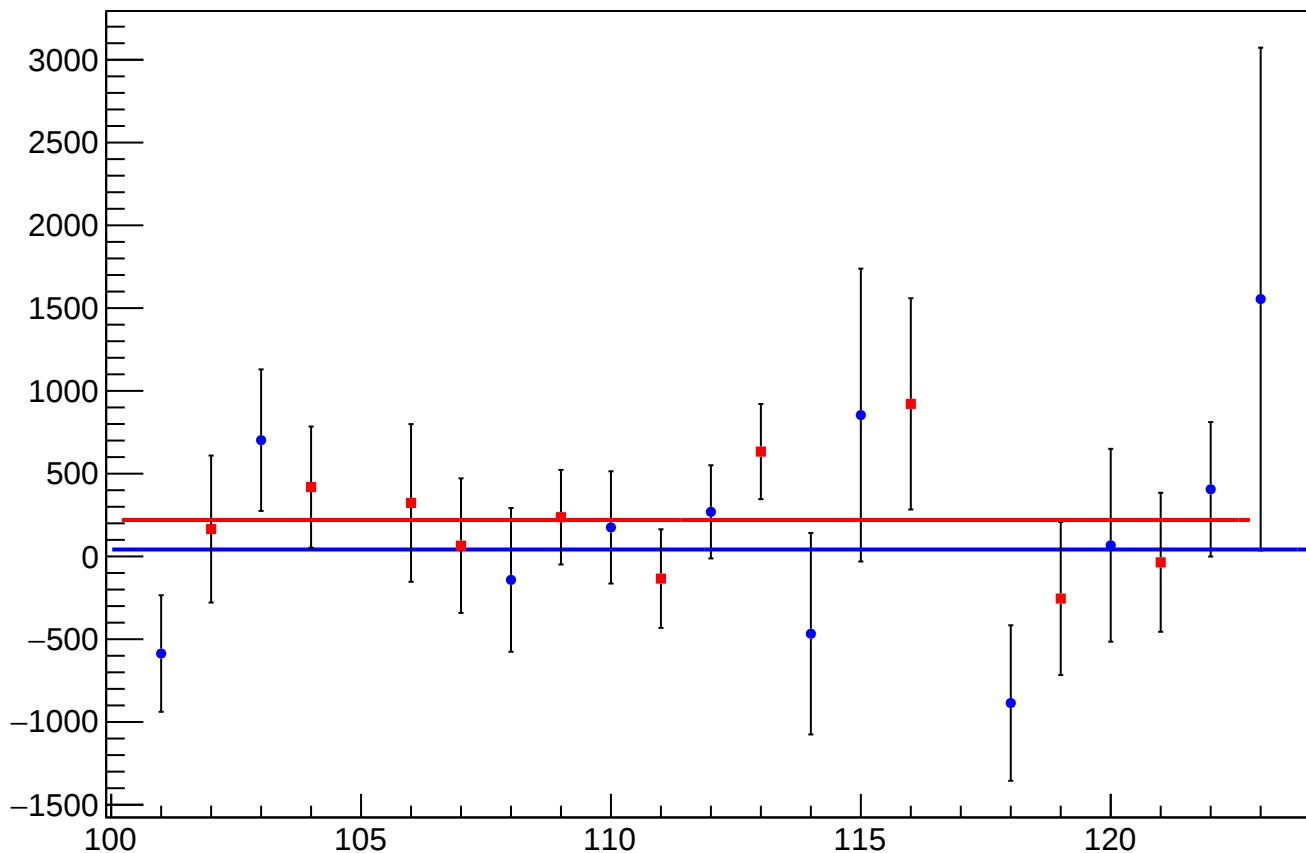
Right: 1529.386+/-0.386  $\chi^2/\text{NDF}$ : 471584.4/20

In: 1562.141+/-0.572  $\chi^2/\text{NDF}$ : 260360.1/10

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

All: 1529.386+/-0.386  $\chi^2/\text{NDF}$ : 471584.4/20

# dit\_asym\_sam4\_mean vs Slug, Sign Corrected



Right In: 41.956+/-131.153  $\chi^2/\text{NDF}$ : 13.8/10

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

Right Out: 220.162+/-118.297  $\chi^2/\text{NDF}$ : 6.6/9

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

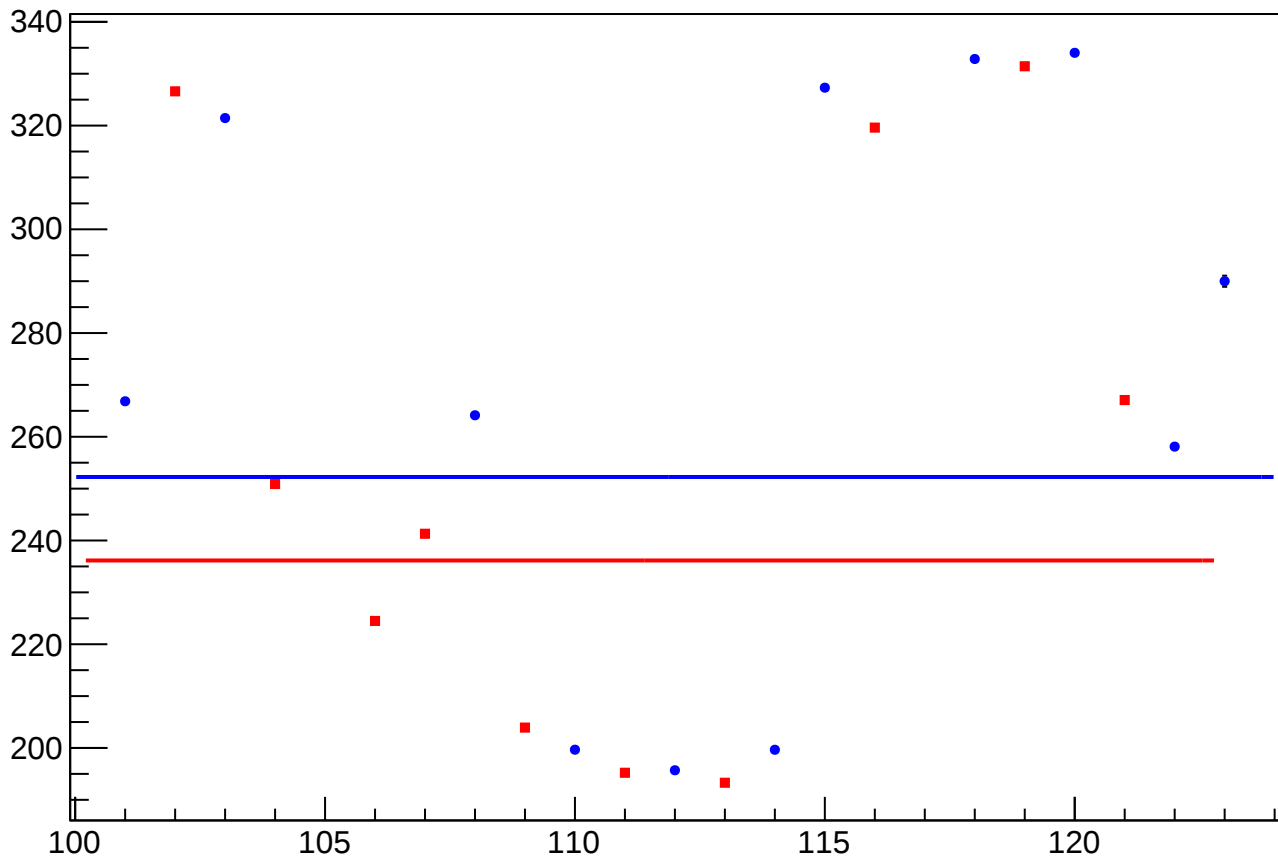
Right: 140.219+/-87.843  $\chi^2/\text{NDF}$ : 21.4/20

In: 41.956+/-131.153  $\chi^2/\text{NDF}$ : 13.8/10

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

All: 140.219+/-87.843  $\chi^2/\text{NDF}$ : 21.4/20

# dit\_asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 252.247+/-0.093  $\chi^2/\text{NDF}$ : 315569.4/10

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

Right Out: 236.150+/-0.084  $\chi^2/\text{NDF}$ : 325531.4/9

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

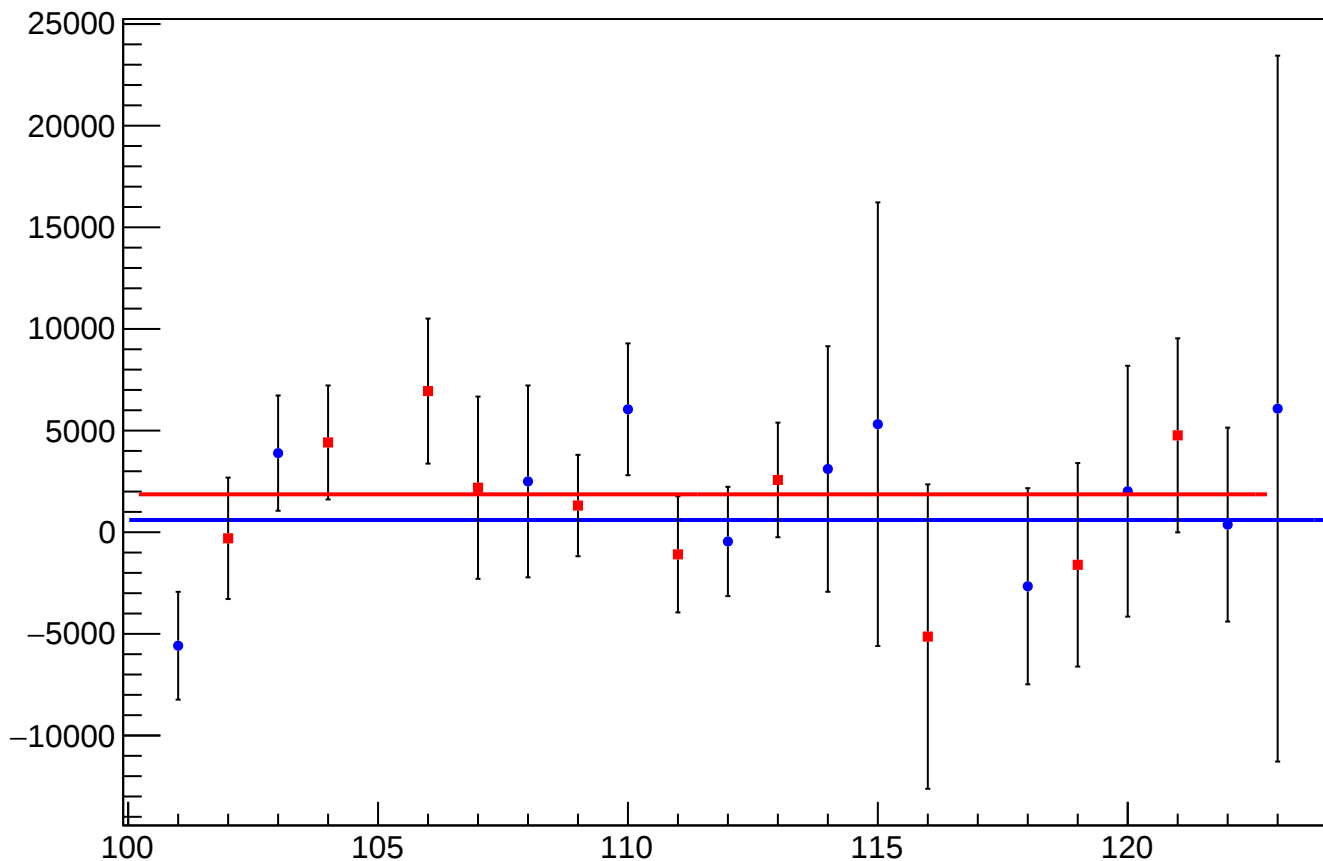
Right: 243.371+/-0.062  $\chi^2/\text{NDF}$ : 657713.2/20

In: 252.247+/-0.093  $\chi^2/\text{NDF}$ : 315569.4/10

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

All: 243.371+/-0.062  $\chi^2/\text{NDF}$ : 657713.2/20

asym\_sam4\_correction\_mean vs Slug, Sign Corrected



Right In: 602.067+/-1197.435  $\chi^2/\text{NDF}$ : 10.9/10

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

Right Out: 1864.704+/-1066.940  $\chi^2/\text{NDF}$ : 6.3/9

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

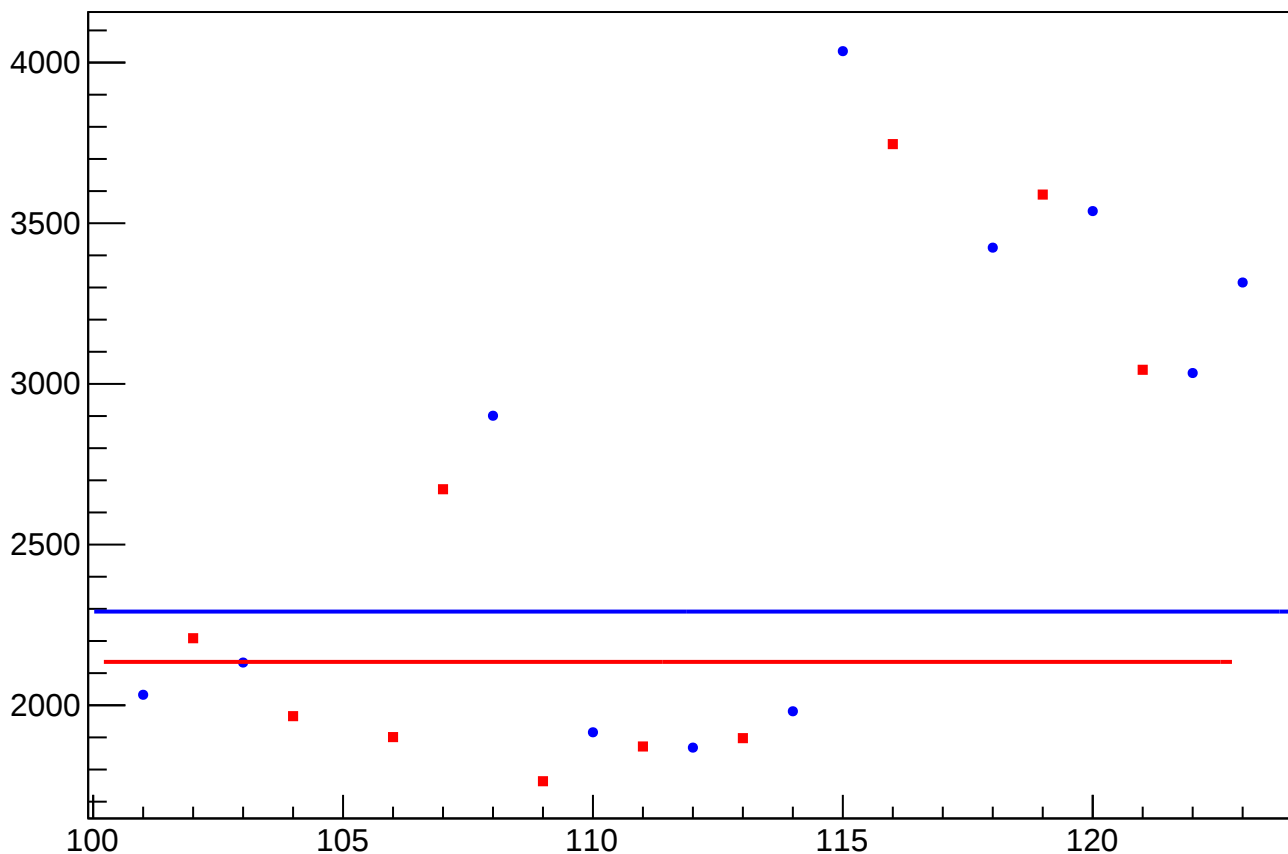
Right: 1305.909+/-796.597  $\chi^2/\text{NDF}$ : 17.8/20

In: 602.067+/-1197.435  $\chi^2/\text{NDF}$ : 10.9/10

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

All: 1305.909+/-796.597  $\chi^2/\text{NDF}$ : 17.8/20

asym\_sam4\_correction\_rms vs Slug, Sign Corrected



Right In: 2291.557+/-0.847  $\chi^2/\text{NDF}$ : 438715.5/10

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

Right Out: 2134.973+/-0.754  $\chi^2/\text{NDF}$ : 455243.7/9

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

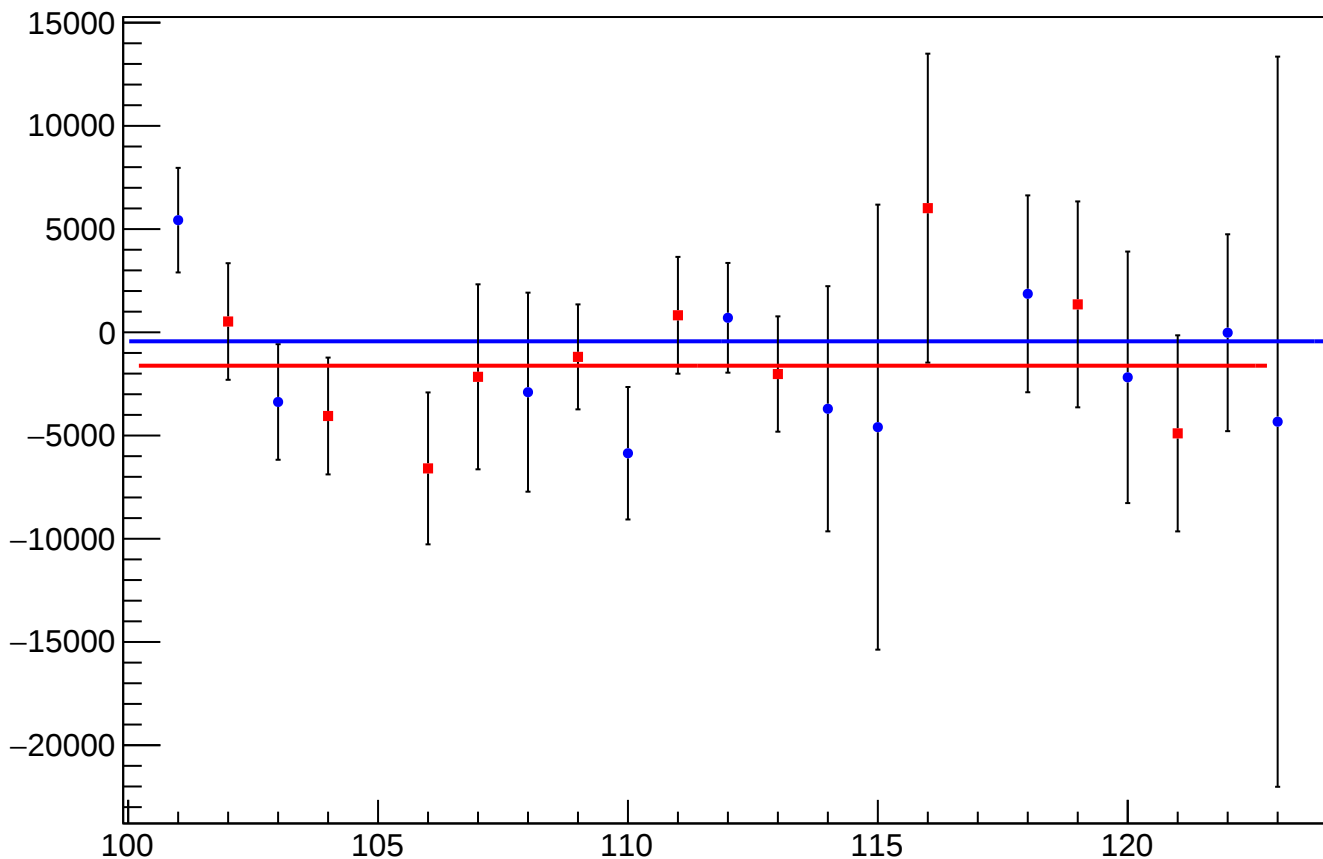
Right: 2204.271+/-0.563  $\chi^2/\text{NDF}$ : 913023.4/20

In: 2291.557+/-0.847  $\chi^2/\text{NDF}$ : 438715.5/10

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

All: 2204.271+/-0.563  $\chi^2/\text{NDF}$ : 913023.4/20

# asym\_sam4\_mean vs Slug, Sign Corrected



Right In: -435.572+/-1178.281  $\chi^2/\text{NDF}$ : 10.6/10

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

Right Out: -1617.276+/-1063.464  $\chi^2/\text{NDF}$ : 5.8/9

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

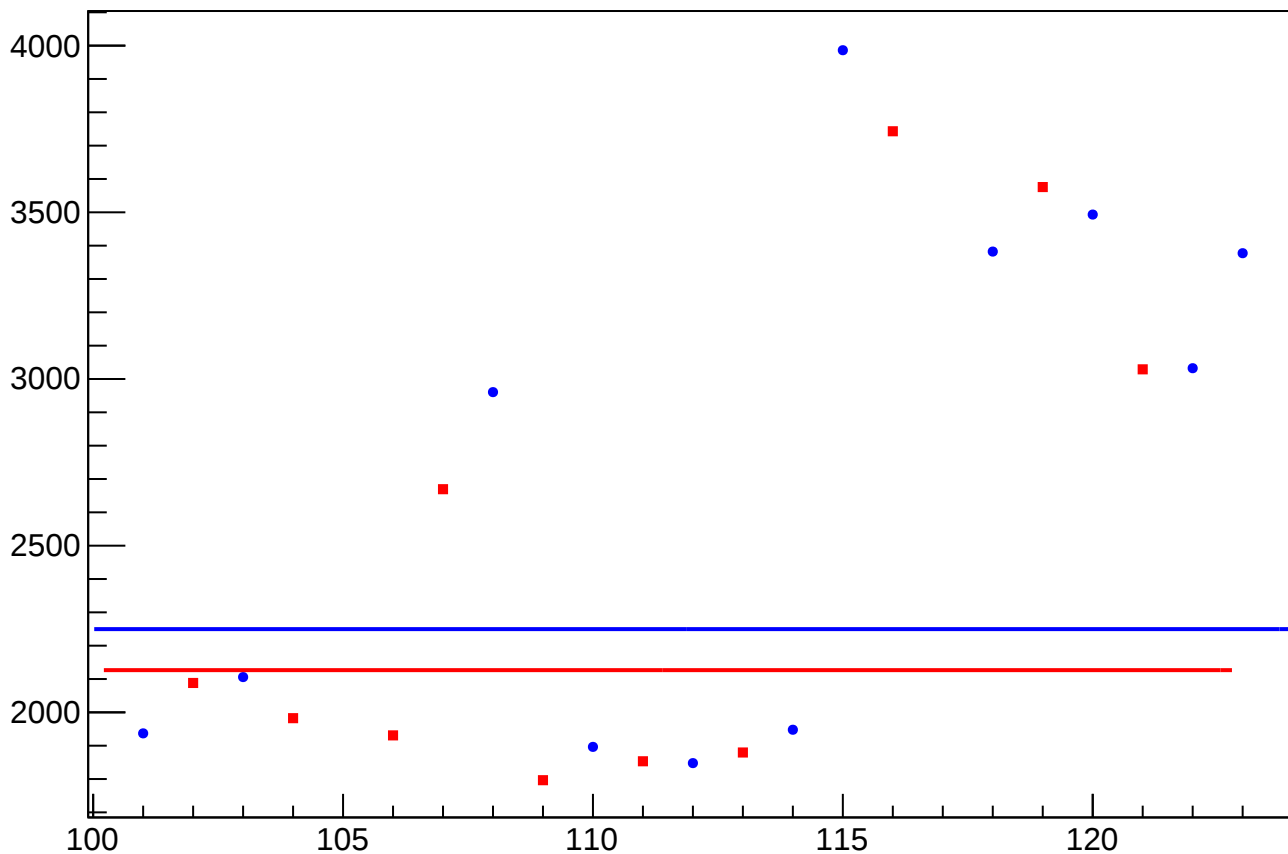
Right: -1086.790+/-789.463  $\chi^2/\text{NDF}$ : 17.0/20

In: -435.572+/-1178.281  $\chi^2/\text{NDF}$ : 10.6/10

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

All: -1086.790+/-789.463  $\chi^2/\text{NDF}$ : 17.0/20

# asym\_sam4\_rms vs Slug, Sign Corrected



Right In: 2249.687+/-0.833  $\chi^2/\text{NDF}$ : 464522.5/10

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

Right Out: 2126.614+/-0.752  $\chi^2/\text{NDF}$ : 443003.9/9

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

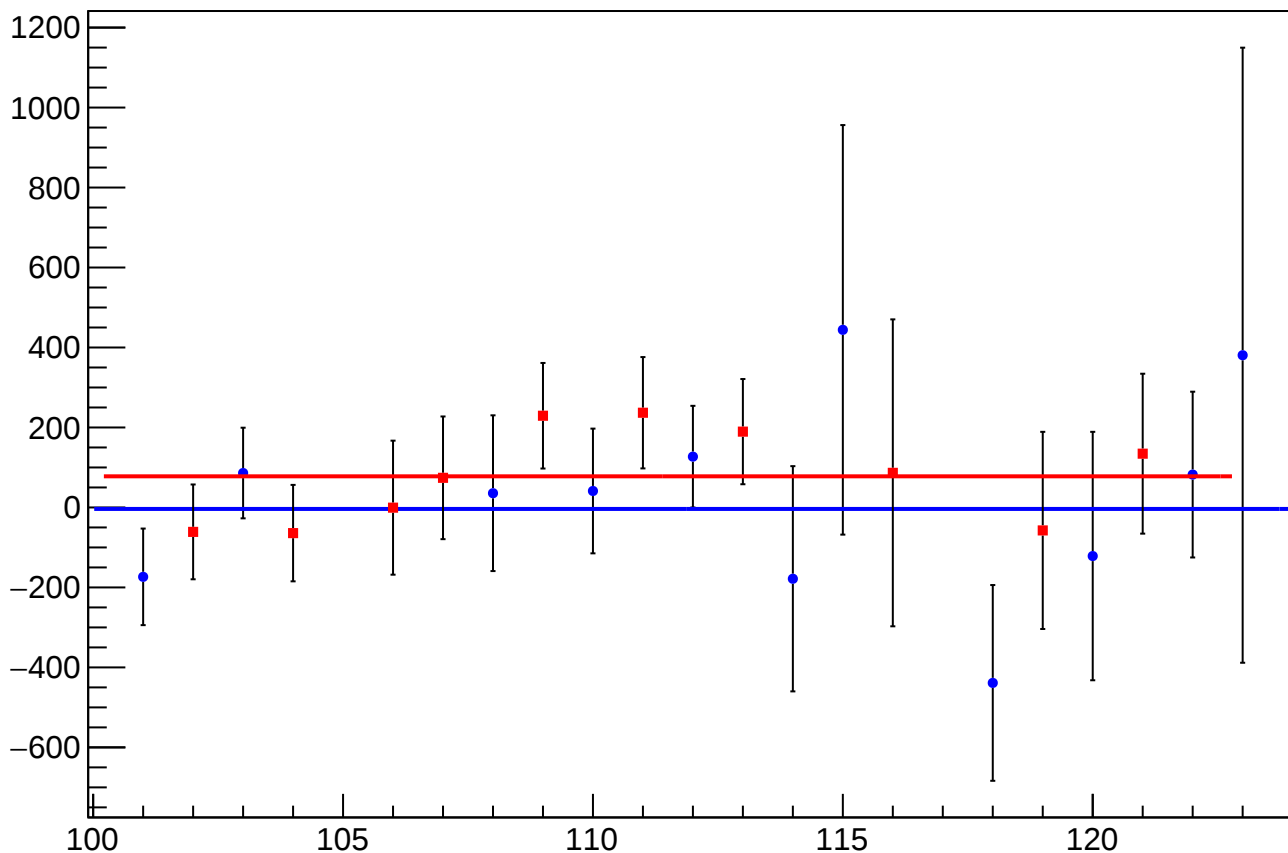
Right: 2181.864+/-0.558  $\chi^2/\text{NDF}$ : 919551.3/20

In: 2249.687+/-0.833  $\chi^2/\text{NDF}$ :464522.5/10

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

All: 2181.864+/-0.558  $\chi^2/\text{NDF}$ : 919551.3/20

# dit\_asym\_sam5\_mean vs Slug, Sign Corrected



Right In:  $-3.720 \pm 53.893$   $\chi^2/\text{NDF}$ : 8.7/10

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

Right Out:  $77.844 \pm 48.053$   $\chi^2/\text{NDF}$ : 6.7/9

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

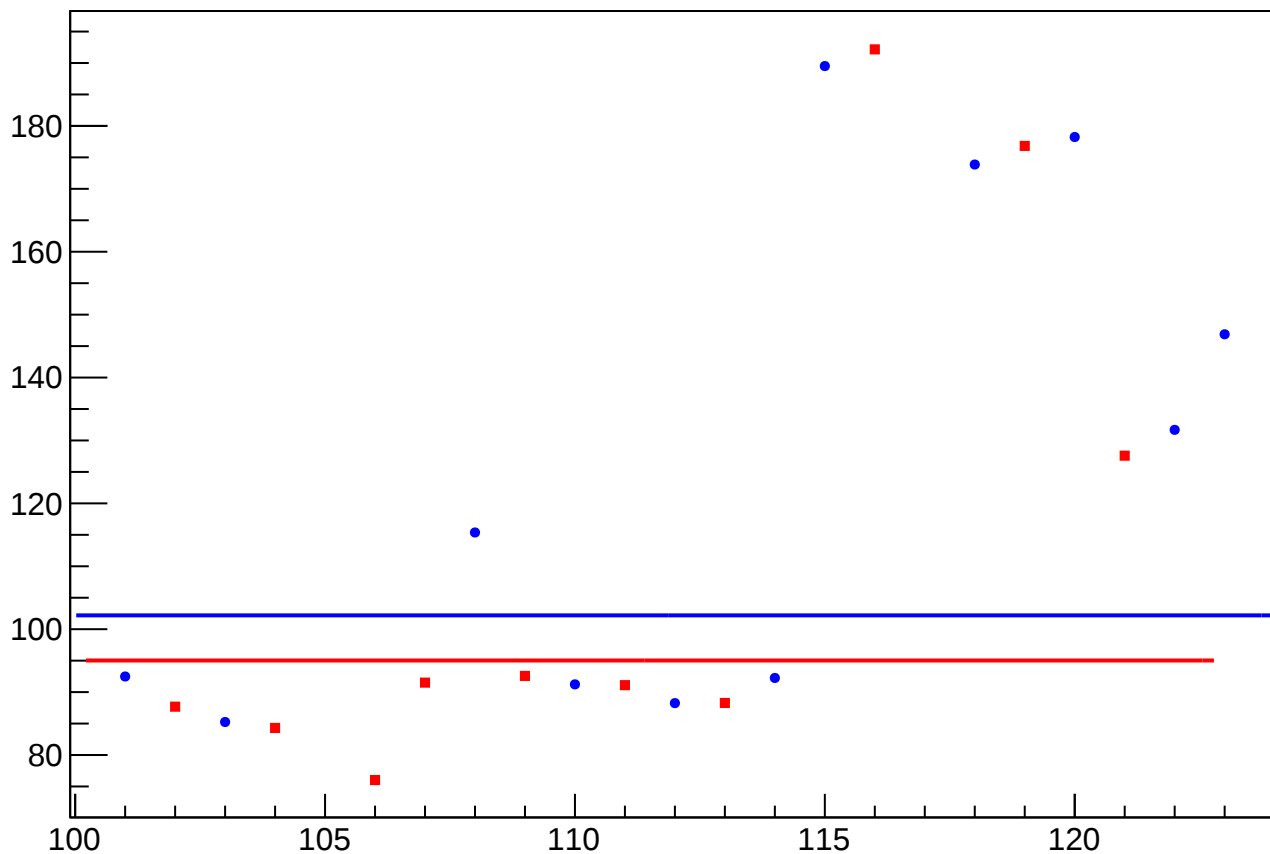
Right:  $41.719 \pm 35.866$   $\chi^2/\text{NDF}$ : 16.6/20

In:  $-3.720 \pm 53.893$   $\chi^2/\text{NDF}$ : 8.7/10

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

All:  $41.719 \pm 35.866$   $\chi^2/\text{NDF}$ : 16.6/20

# dit\_asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 102.199+/-0.038  $\chi^2/\text{NDF}$ : 500001.1/10

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

Right Out: 95.027+/-0.034  $\chi^2/\text{NDF}$ : 459162.6/9

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

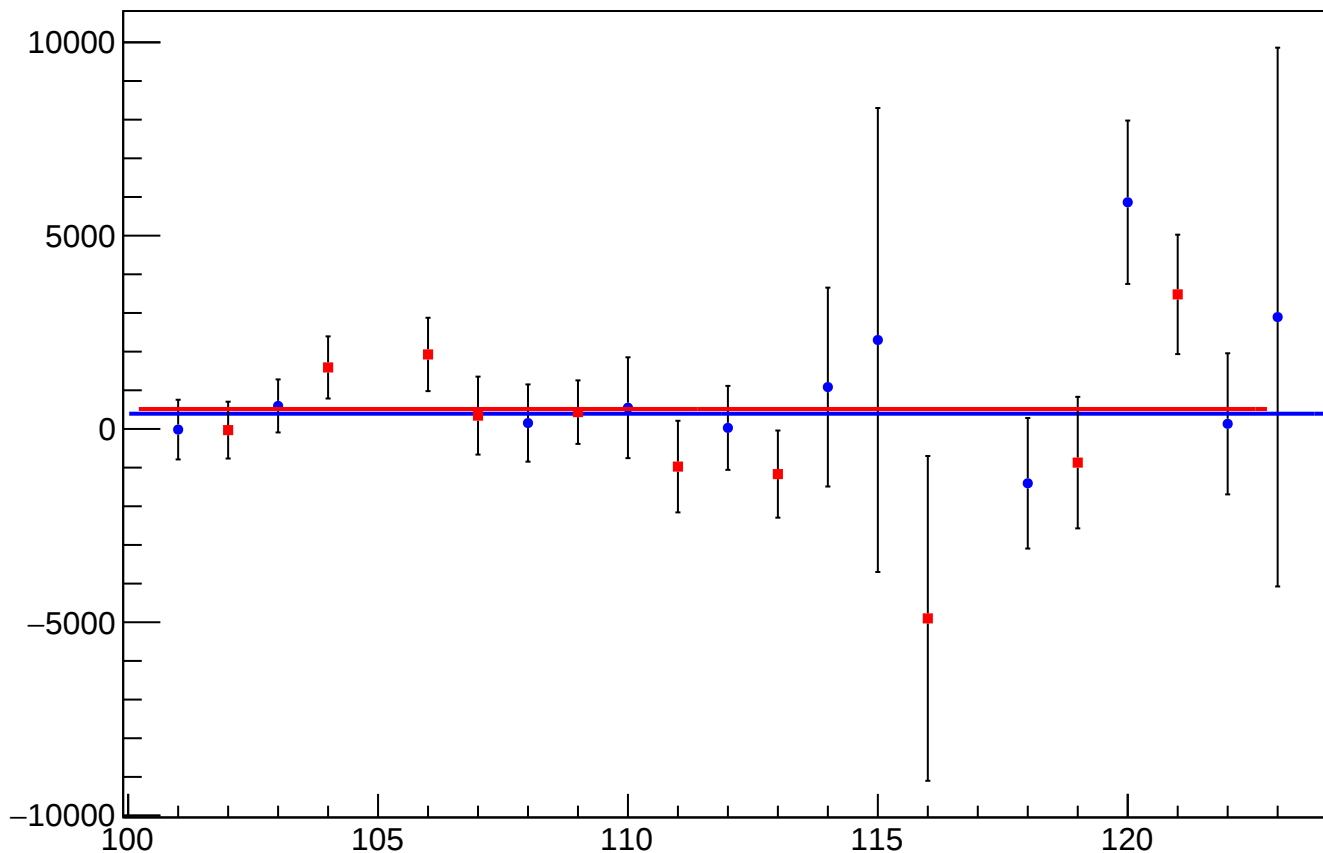
Right: 98.203+/-0.025  $\chi^2/\text{NDF}$ : 978895.4/20

In: 102.199+/-0.038  $\chi^2/\text{NDF}$ : 500001.1/10

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

All: 98.203+/-0.025  $\chi^2/\text{NDF}$ : 978895.4/20

asym\_sam5\_correction\_mean vs Slug, Sign Corrected



Right In: 394.250+/-369.696  $\chi^2/\text{NDF}$ : 8.7/10

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

Right Out: 516.285+/-327.943  $\chi^2/\text{NDF}$ : 14.4/9

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

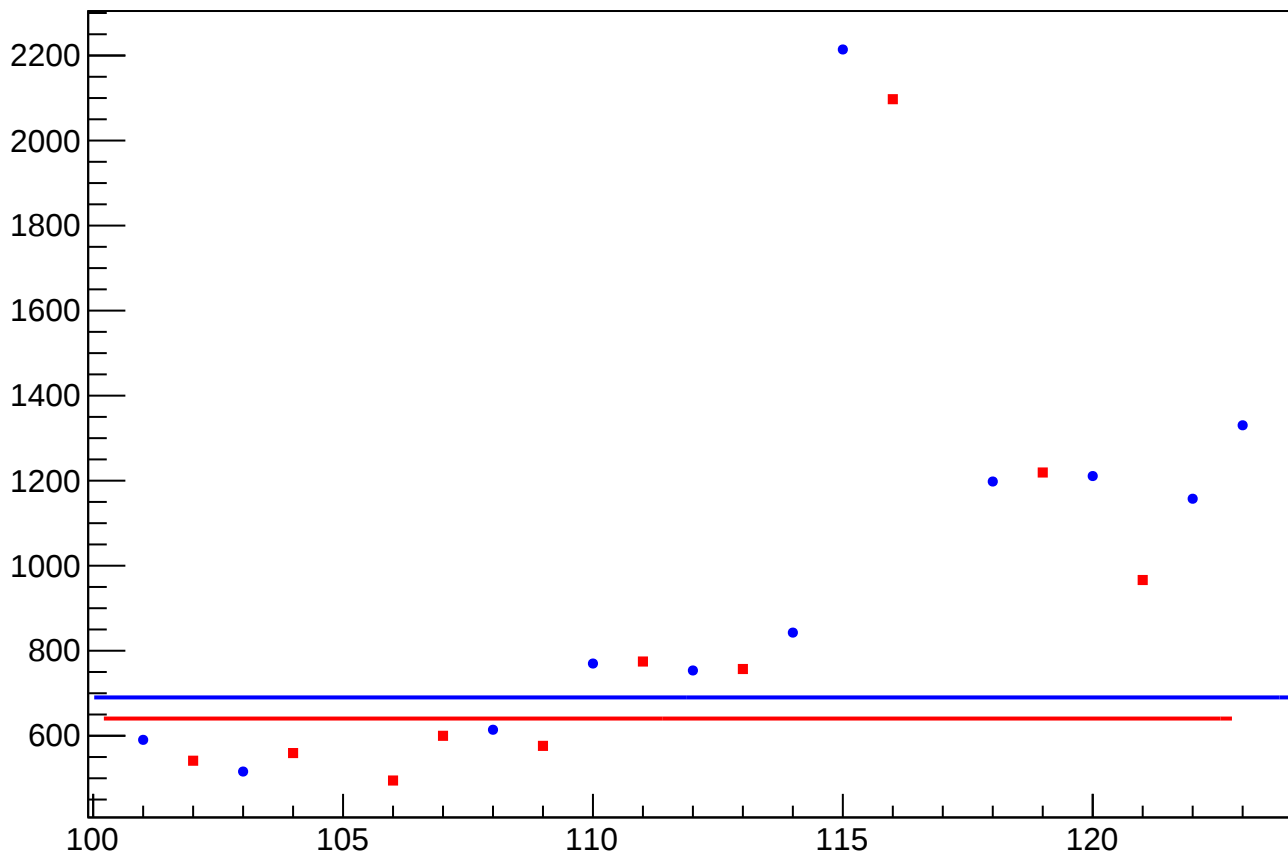
Right: 462.545+/-245.330  $\chi^2/\text{NDF}$ : 23.2/20

In: 394.250+/-369.696  $\chi^2/\text{NDF}$ :8.7/10

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

All: 462.545+/-245.330  $\chi^2/\text{NDF}$ : 23.2/20

asym\_sam5\_correction\_rms vs Slug, Sign Corrected



Right In: 690.181+/-0.261  $\chi^2/\text{NDF}$ : 774924.6/10

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

Right Out: 640.496+/-0.232  $\chi^2/\text{NDF}$ : 727564.9/9

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

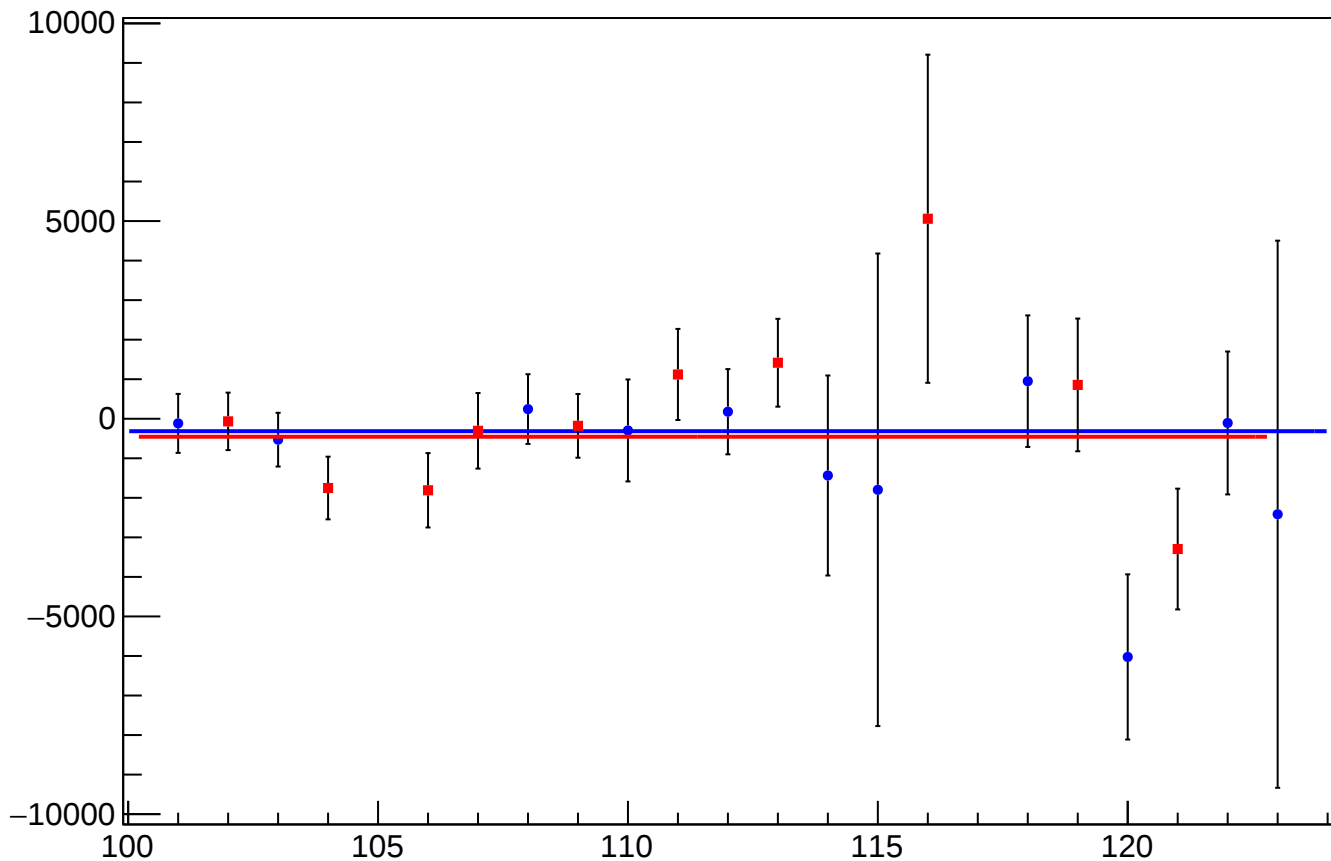
Right: 662.376+/-0.173  $\chi^2/\text{NDF}$ : 1522705.0/20

In: 690.181+/-0.261  $\chi^2/\text{NDF}$ : 774924.6/10

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

All: 662.376+/-0.173  $\chi^2/\text{NDF}$ : 1522705.0/20

# asym\_sam5\_mean vs Slug, Sign Corrected



Right In:  $-315.000 \pm 357.775$   $\chi^2/\text{NDF}$ : 9.2/10

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

Right Out:  $-454.717 \pm 321.809$   $\chi^2/\text{NDF}$ : 15.7/9

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

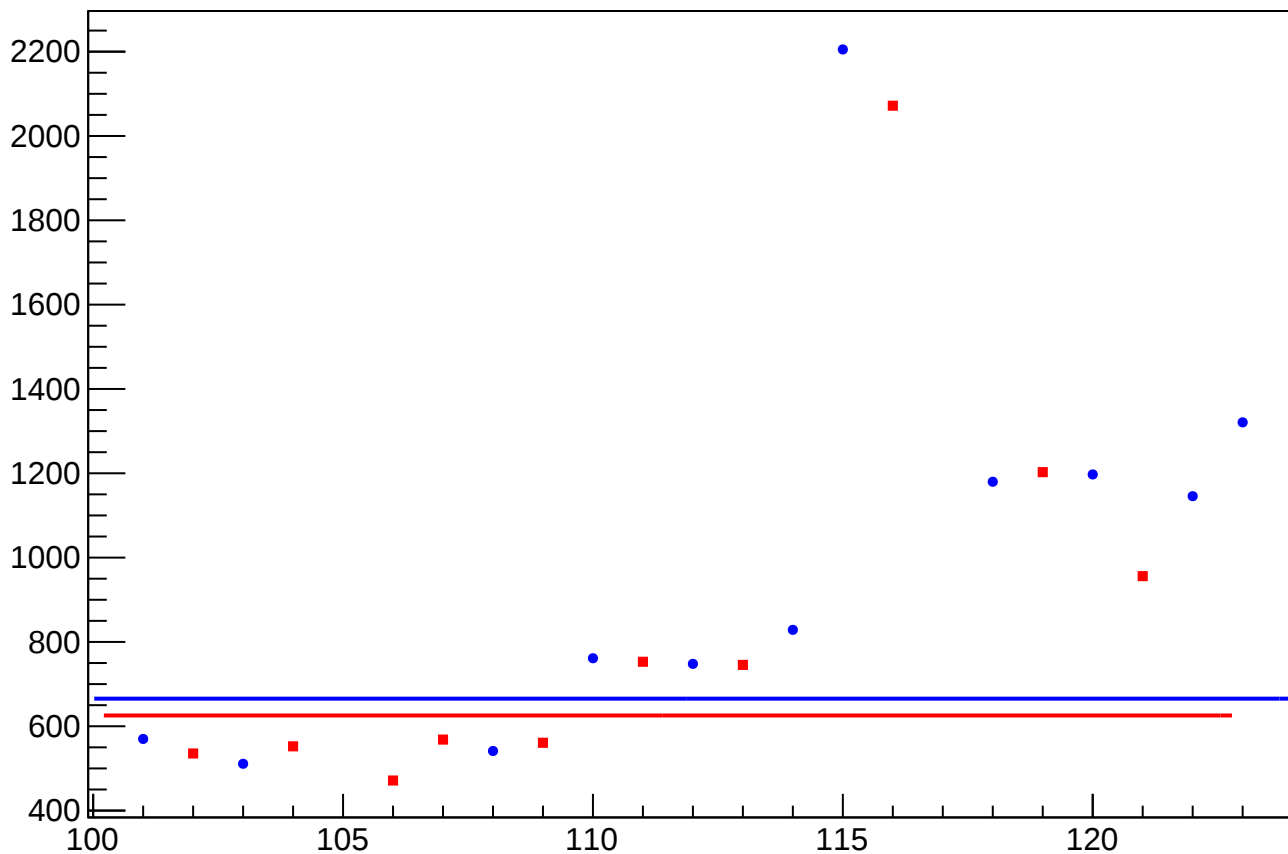
Right:  $-392.232 \pm 239.261$   $\chi^2/\text{NDF}$ : 25.0/20

In:  $-315.000 \pm 357.775$   $\chi^2/\text{NDF}$ : 9.2/10

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

All:  $-392.232 \pm 239.261$   $\chi^2/\text{NDF}$ : 25.0/20

# asym\_sam5\_rms vs Slug, Sign Corrected



Right In: 665.488+/-0.253  $\chi^2/\text{NDF}$ : 819612.1/10

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

Right Out: 625.576+/-0.228  $\chi^2/\text{NDF}$ : 742546.5/9

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

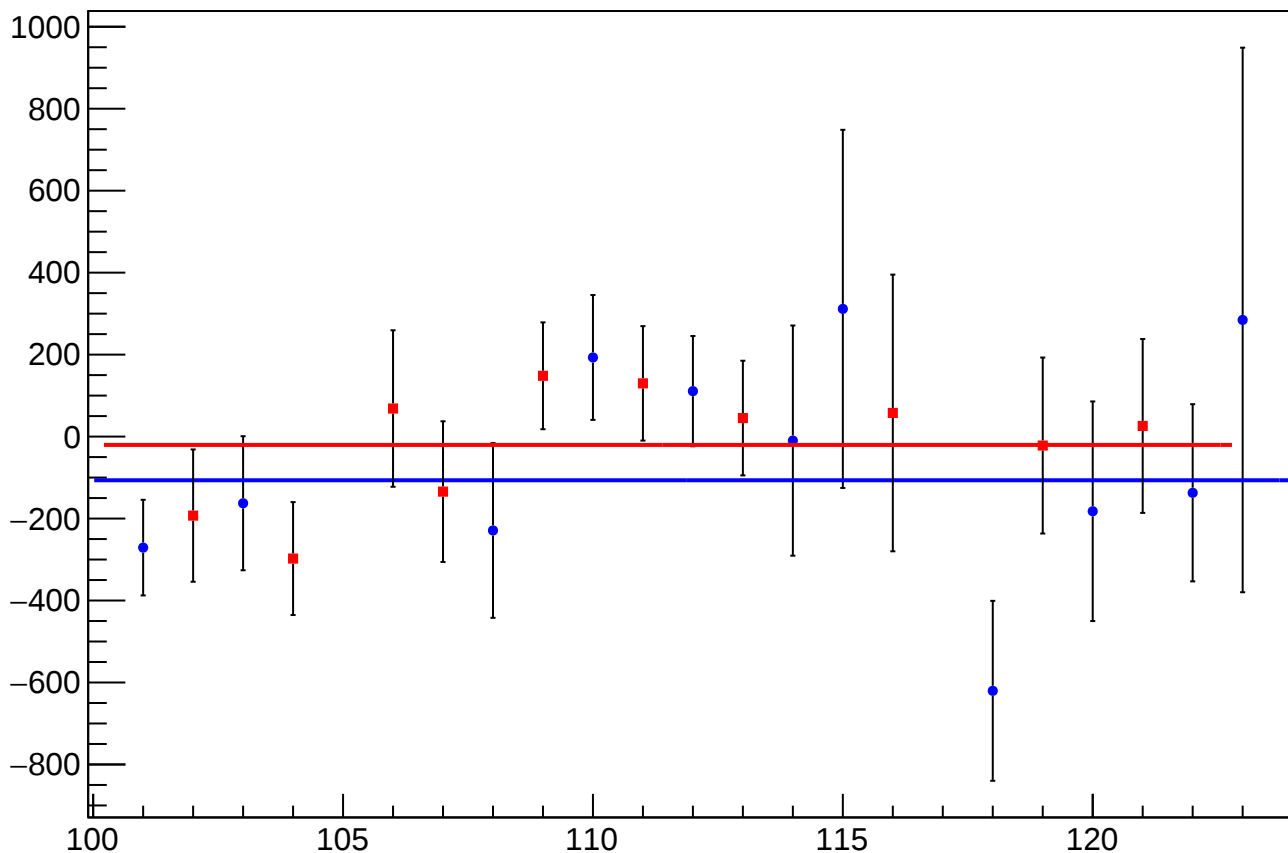
Right: 643.426+/-0.169  $\chi^2/\text{NDF}$ : 1575916.8/20

In: 665.488+/-0.253  $\chi^2/\text{NDF}$ : 819612.1/10

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

All: 643.426+/-0.169  $\chi^2/\text{NDF}$ : 1575916.8/20

# dit\_asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -106.554+/-57.028  $\chi^2/\text{NDF}$ : 15.9/10

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

Right Out: -20.328+/-52.238  $\chi^2/\text{NDF}$ : 9.0/9

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

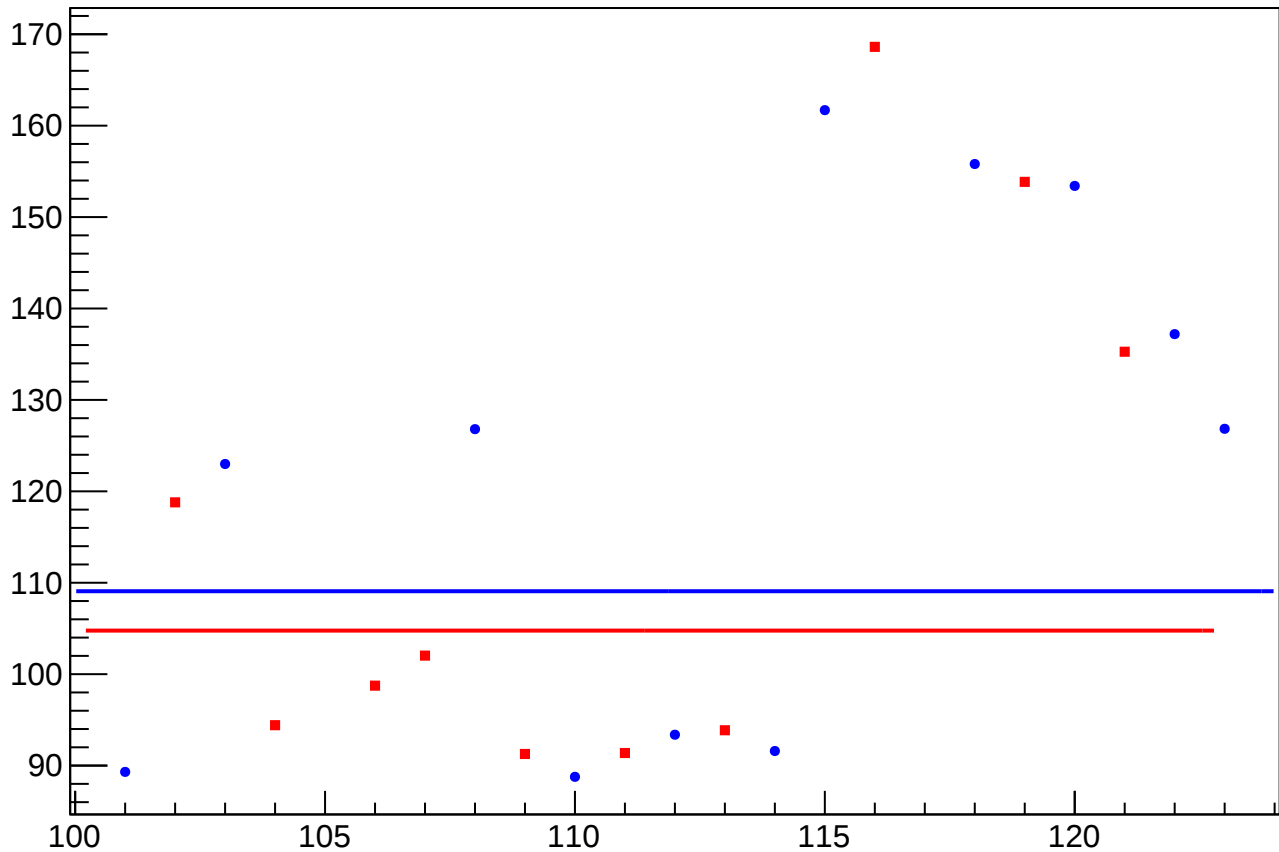
Right: -59.669+/-38.520  $\chi^2/\text{NDF}$ : 26.1/20

In: -106.554+/-57.028  $\chi^2/\text{NDF}$ : 15.9/10

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

All: -59.669+/-38.520  $\chi^2/\text{NDF}$ : 26.1/20

# dit\_asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 109.073+/-0.040  $\chi^2/\text{NDF}$ : 365901.8/10

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

Right Out: 104.766+/-0.037  $\chi^2/\text{NDF}$ : 298378.2/9

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

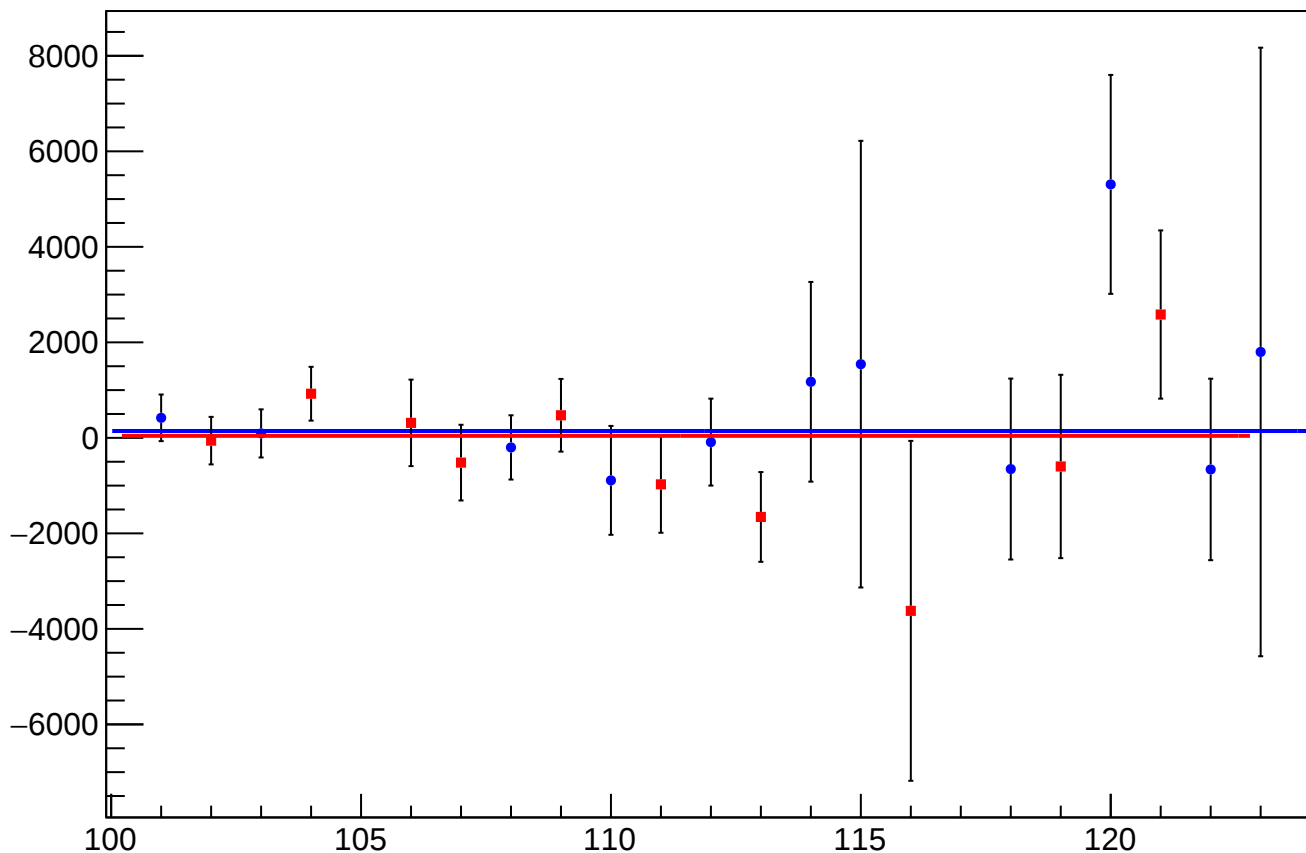
Right: 106.731+/-0.027  $\chi^2/\text{NDF}$ : 670484.6/20

In: 109.073+/-0.040  $\chi^2/\text{NDF}$ : 365901.8/10

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

All: 106.731+/-0.027  $\chi^2/\text{NDF}$ : 670484.6/20

asym\_sam6\_correction\_mean vs Slug, Sign Corrected



Right In: 143.765 $\pm$ 273.551  $\chi^2$ /NDF: 7.3/10

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

Right Out: 42.382 $\pm$ 262.574  $\chi^2$ /NDF: 10.9/9

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

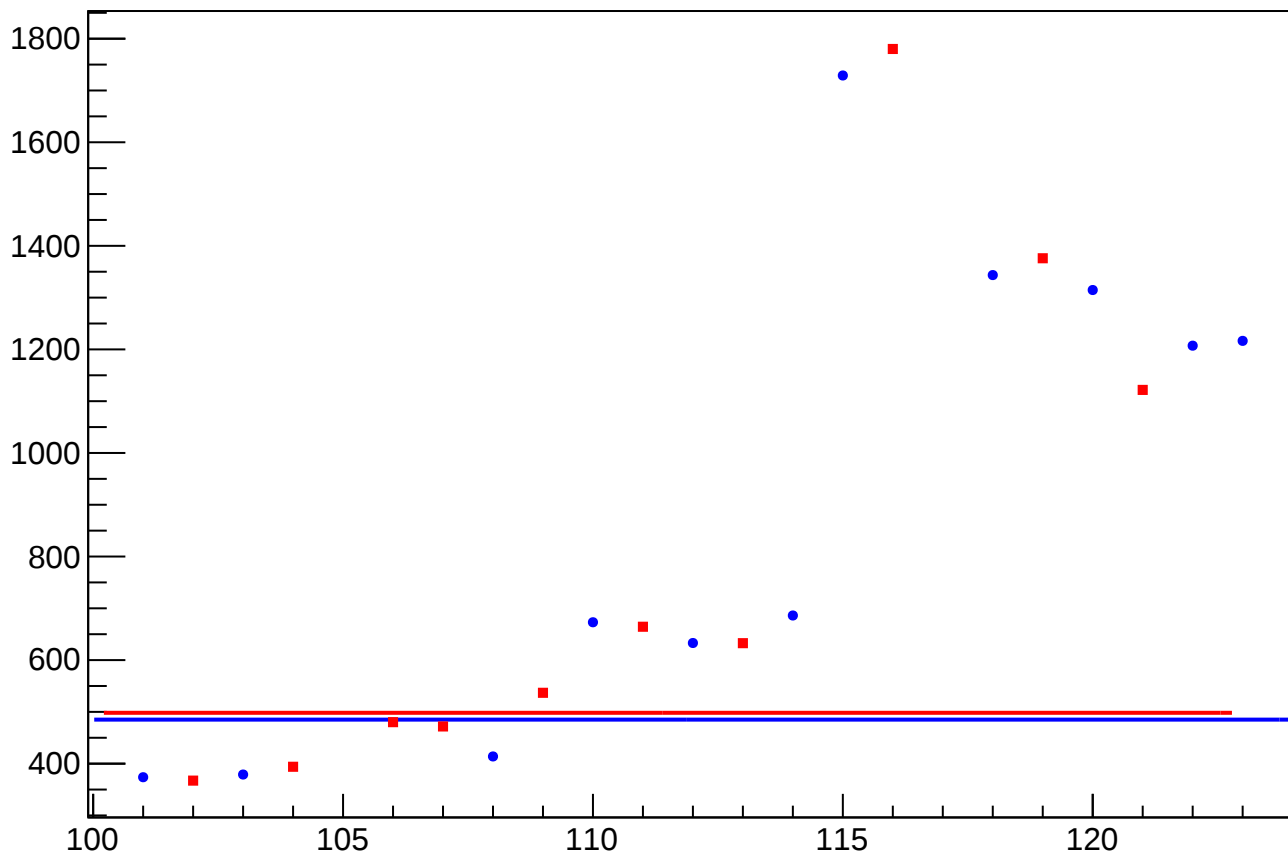
Right: 90.999 $\pm$ 189.430  $\chi^2$ /NDF: 18.3/20

In: 143.765 $\pm$ 273.551  $\chi^2$ /NDF:7.3/10

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

All: 90.999 $\pm$ 189.430  $\chi^2$ /NDF: 18.3/20

# asym\_sam6\_correction\_rms vs Slug, Sign Corrected



Right In: 485.047+/-0.193  $\chi^2/\text{NDF}$ : 1469946.3/10

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

Right Out: 498.217+/-0.186  $\chi^2/\text{NDF}$ : 1238073.5/9

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

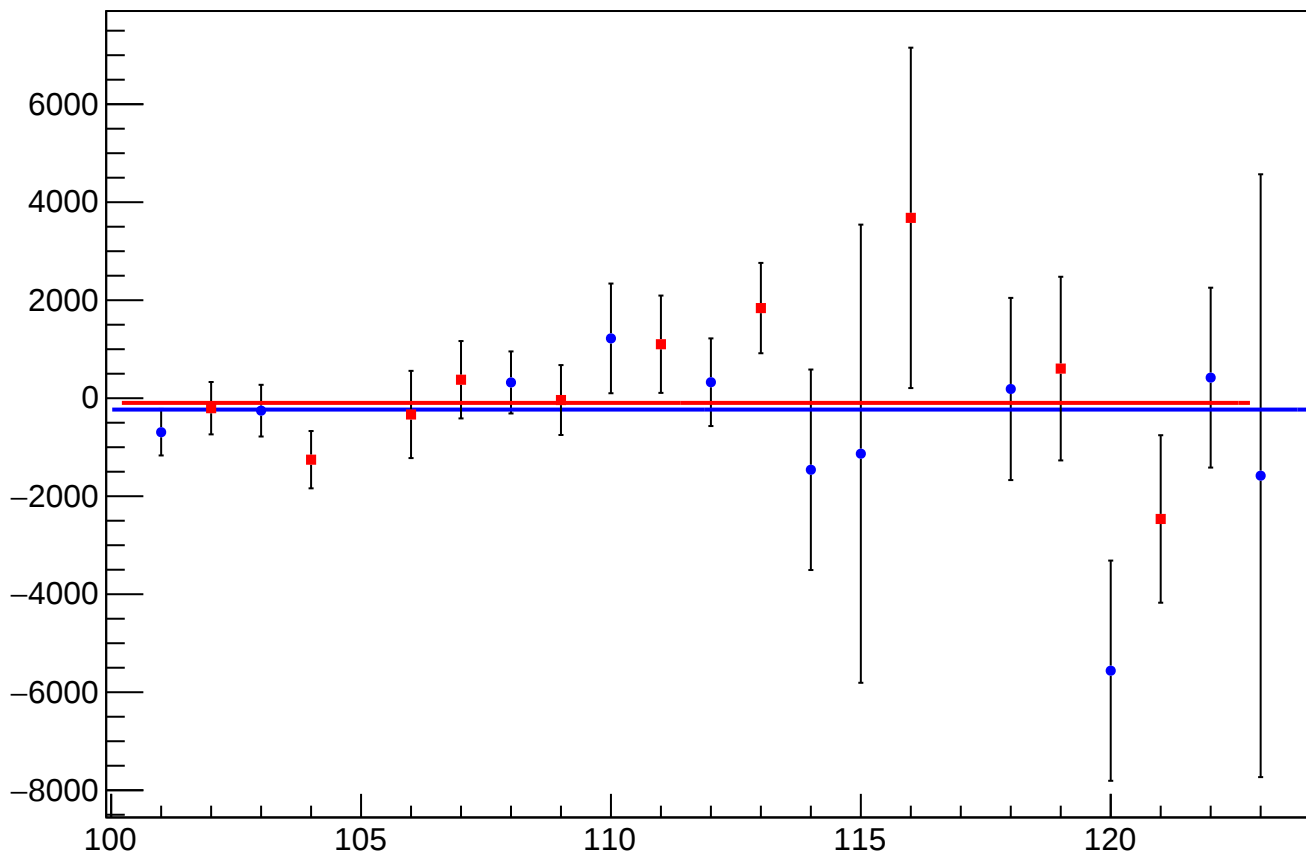
Right: 491.902+/-0.134  $\chi^2/\text{NDF}$ : 2710432.5/20

In: 485.047+/-0.193  $\chi^2/\text{NDF}$ :1469946.3/10

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

All: 491.902+/-0.134  $\chi^2/\text{NDF}$ : 2710432.5/20

# asym\_sam6\_mean vs Slug, Sign Corrected



Right In: -231.895+/-270.455  $\chi^2/\text{NDF}$ : 10.0/10

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

Right Out: -95.462+/-265.748  $\chi^2/\text{NDF}$ : 13.5/9

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

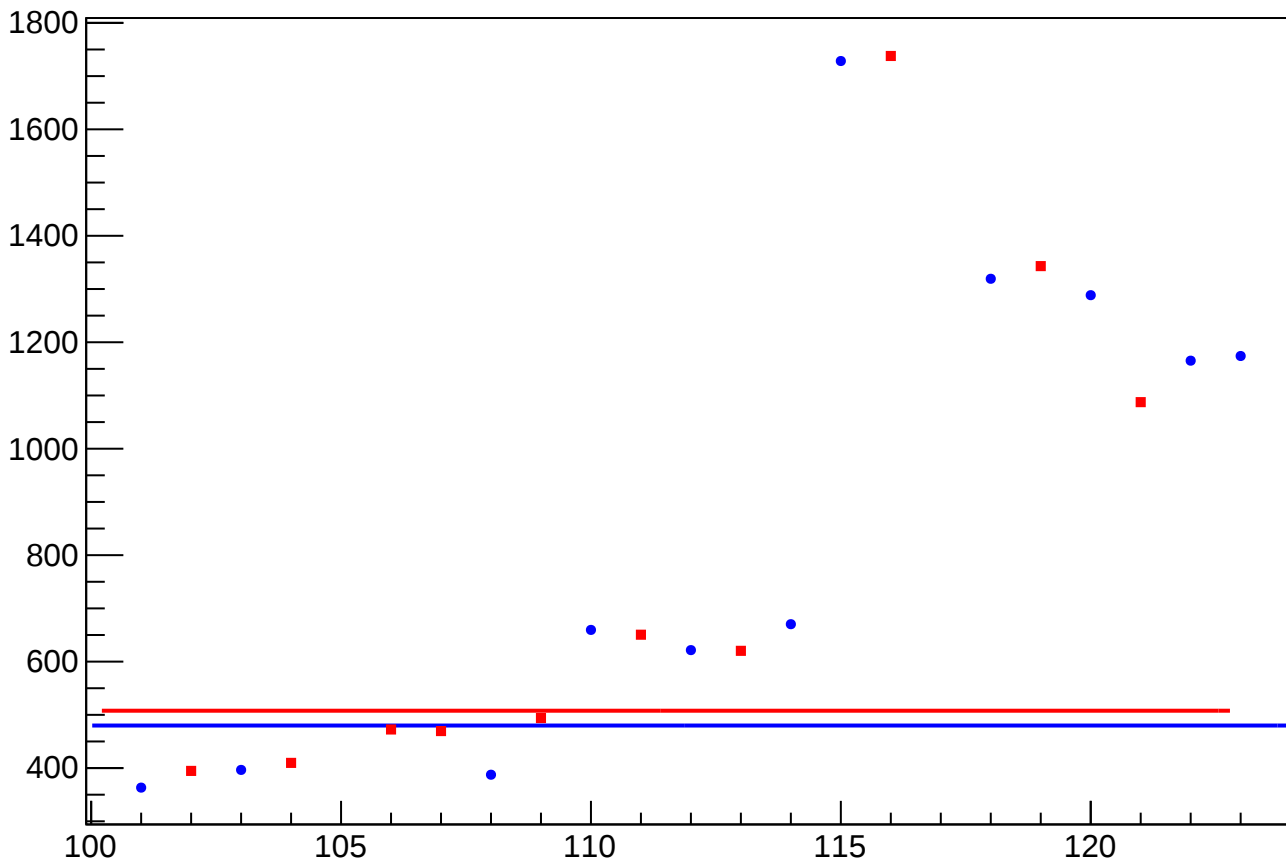
Right: -162.481+/-189.554  $\chi^2/\text{NDF}$ : 23.7/20

In: -231.895+/-270.455  $\chi^2/\text{NDF}$ : 10.0/10

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

All: -162.481+/-189.554  $\chi^2/\text{NDF}$ : 23.7/20

# asym\_sam6\_rms vs Slug, Sign Corrected



Right In: 479.933+/-0.191  $\chi^2/\text{NDF}$ : 1446094.6/10

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

Right Out: 507.765+/-0.188  $\chi^2/\text{NDF}$ : 1103724.4/9

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

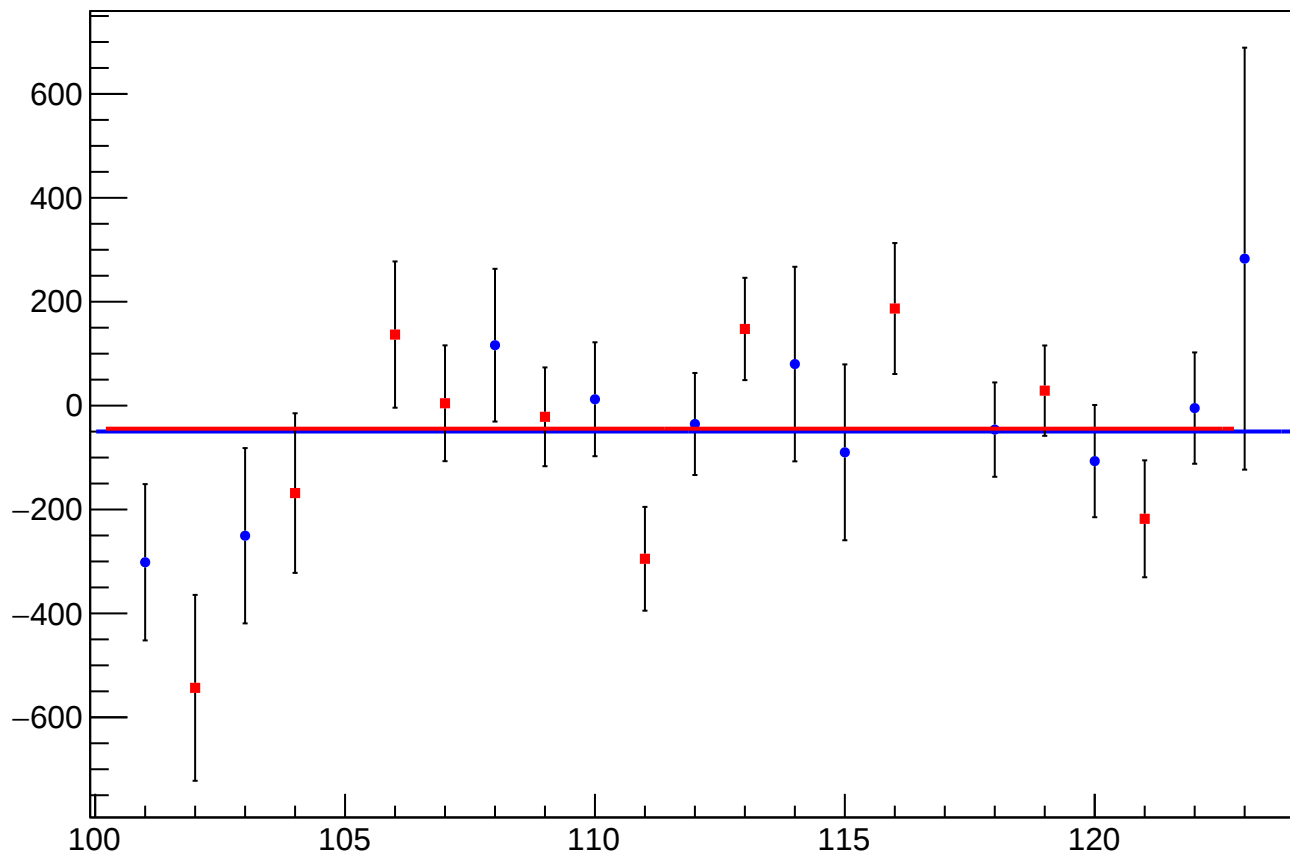
Right: 494.093+/-0.134  $\chi^2/\text{NDF}$ : 2560594.9/20

In: 479.933+/-0.191  $\chi^2/\text{NDF}$ : 1446094.6/10

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

All: 494.093+/-0.134  $\chi^2/\text{NDF}$ : 2560594.9/20

# dit\_asym\_sam7\_mean vs Slug, Sign Corrected



Right In: -49.840+/-38.464  $\chi^2/\text{NDF}$ : 7.5/10

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

Right Out: -44.388+/-35.522  $\chi^2/\text{NDF}$ : 26.9/9

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

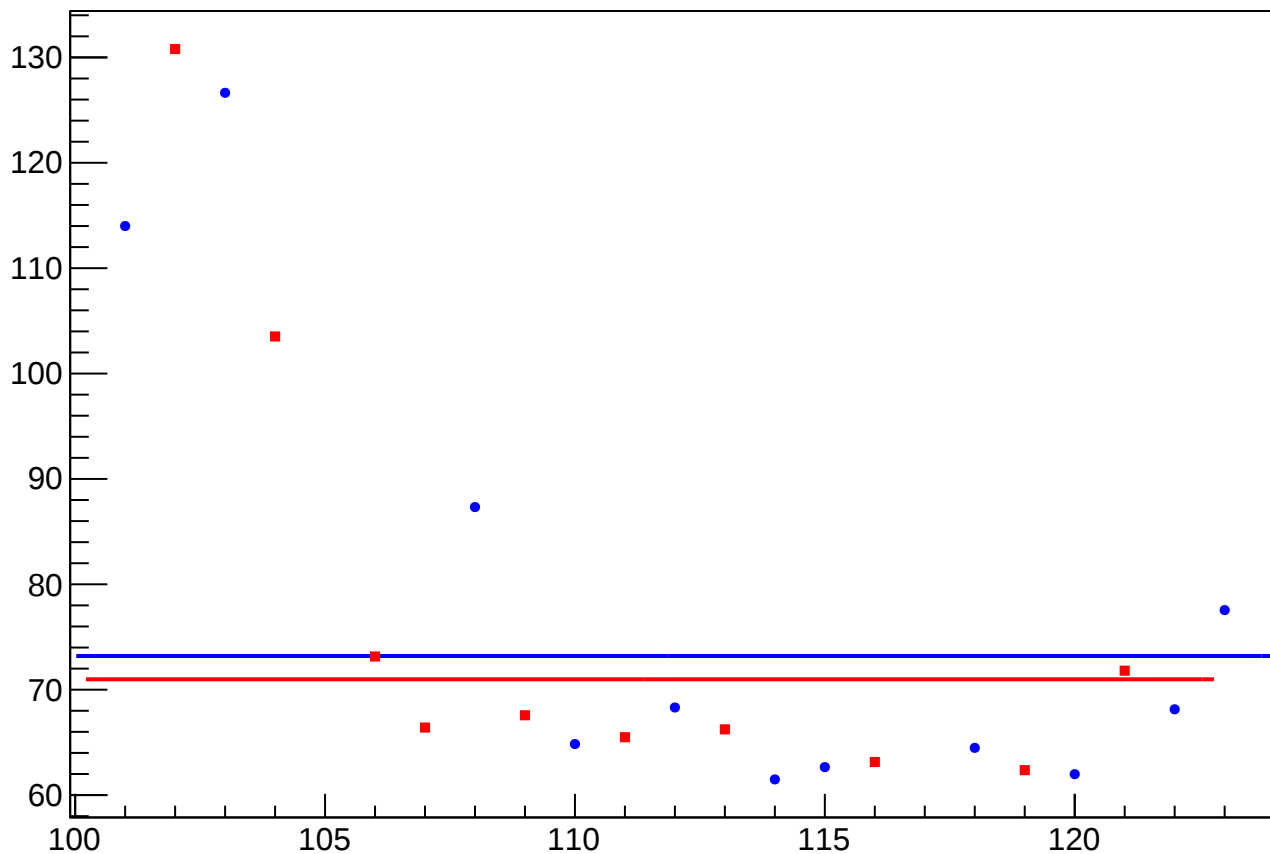
Right: -46.897+/-26.096  $\chi^2/\text{NDF}$ : 34.4/20

In: -49.840+/-38.464  $\chi^2/\text{NDF}$ : 7.5/10

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

All: -46.897+/-26.096  $\chi^2/\text{NDF}$ : 34.4/20

# dit\_asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 73.196 $\pm$ 0.027  $\chi^2$ /NDF: 443001.8/10

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

Right Out: 70.987 $\pm$ 0.025  $\chi^2$ /NDF: 357833.5/9

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

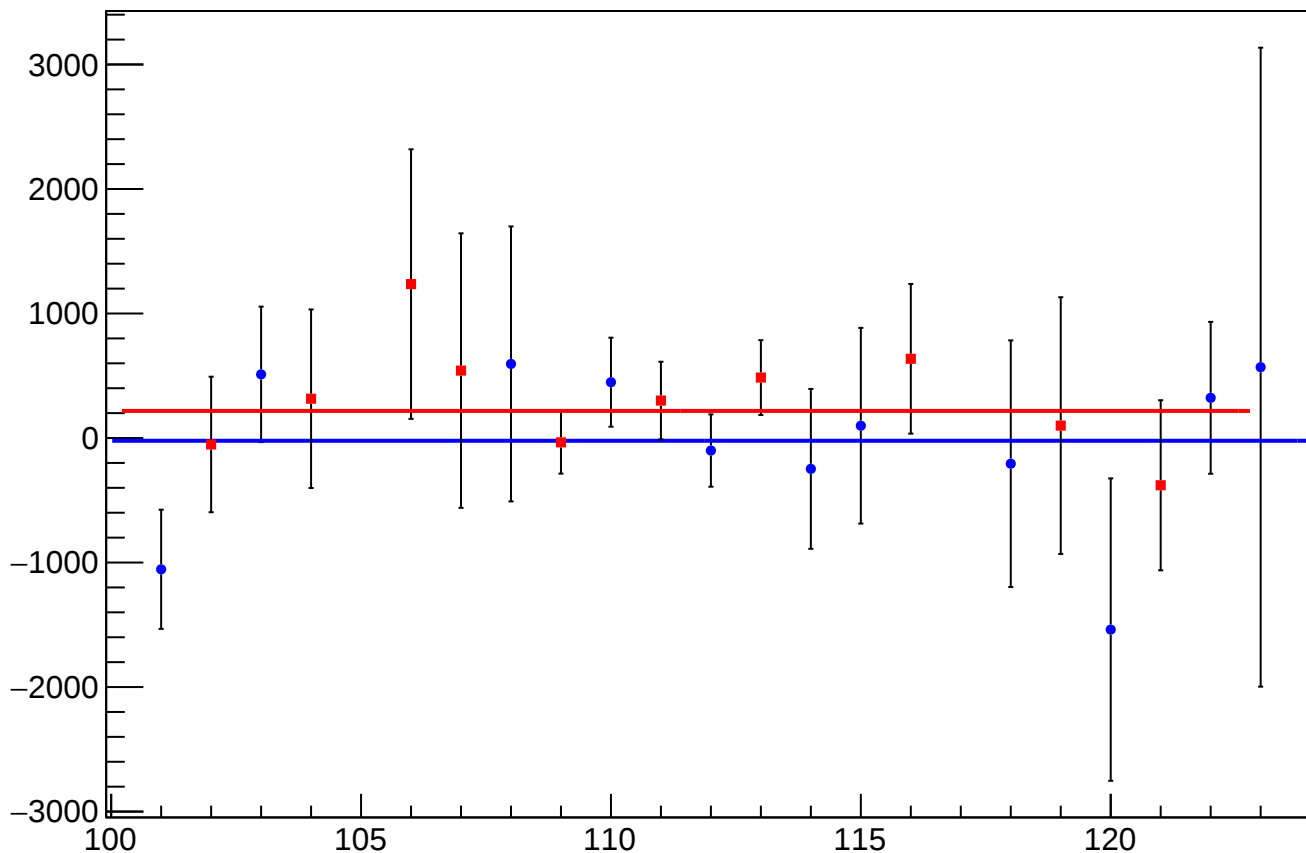
Right: 72.004 $\pm$ 0.018  $\chi^2$ /NDF: 804394.2/20

In: 73.196 $\pm$ 0.027  $\chi^2$ /NDF:443001.8/10

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

All: 72.004 $\pm$ 0.018  $\chi^2$ /NDF: 804394.2/20

asym\_sam7\_correction\_mean vs Slug, Sign Corrected



Right In: -22.042+/-164.793  $\chi^2/\text{NDF}$ : 9.8/10

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

Right Out: 217.780+/-141.316  $\chi^2/\text{NDF}$ : 4.4/9

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

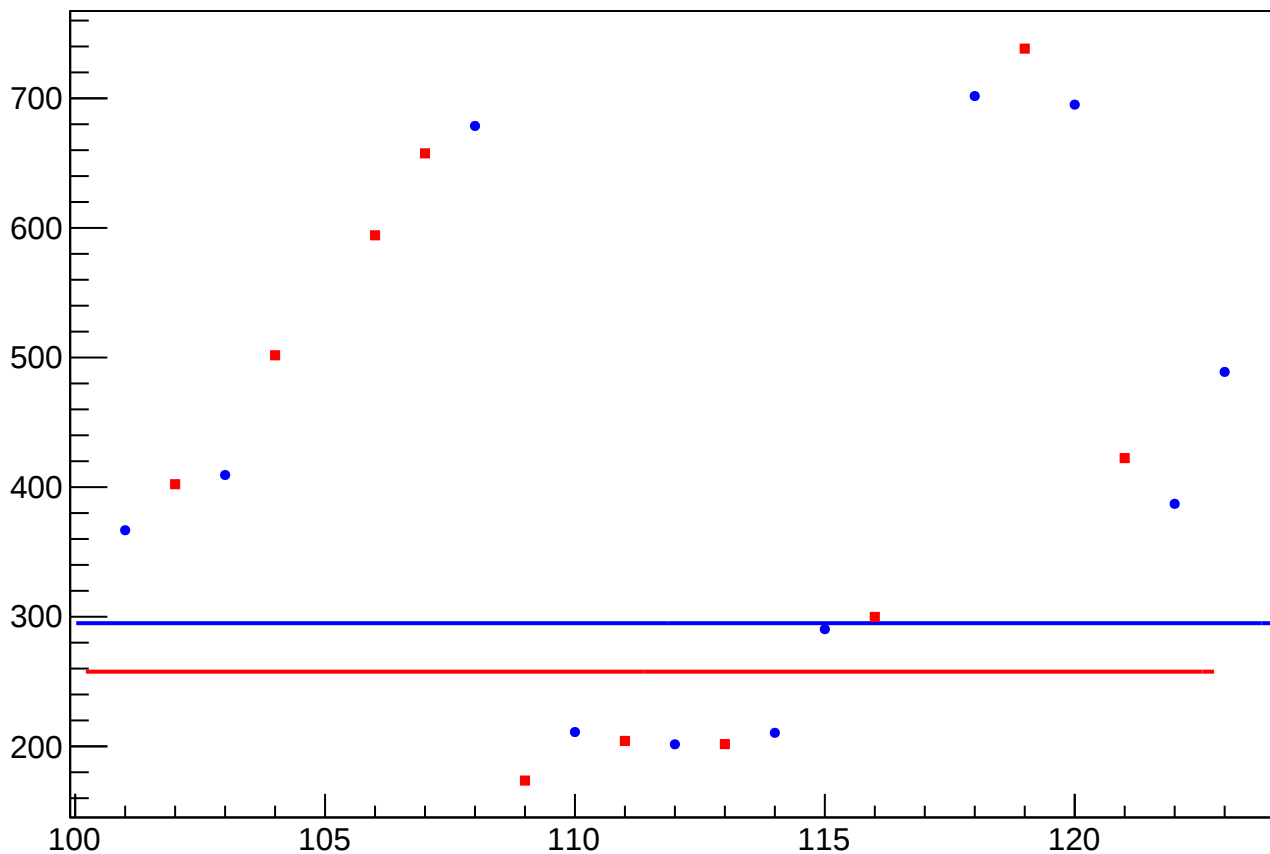
Right: 116.155+/-107.274  $\chi^2/\text{NDF}$ : 15.4/20

In: -22.042+/-164.793  $\chi^2/\text{NDF}$ : 9.8/10

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

All: 116.155+/-107.274  $\chi^2/\text{NDF}$ : 15.4/20

asym\_sam7\_correction\_rms vs Slug, Sign Corrected



Right In: 295.024+/-0.117  $\chi^2/\text{NDF}$ : 1338416.3/10

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

Right Out: 257.638+/-0.100  $\chi^2/\text{NDF}$ : 1742892.7/9

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

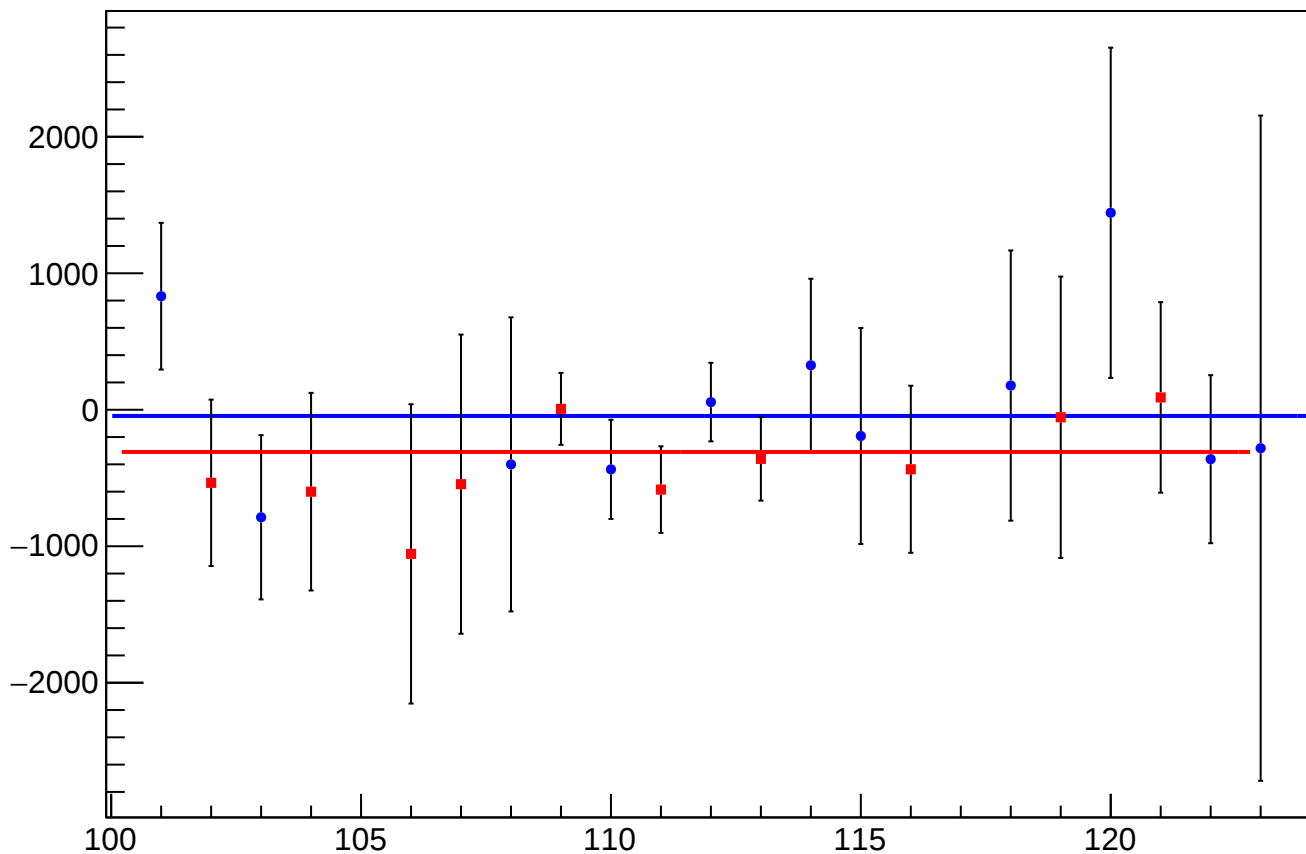
Right: 273.480+/-0.076  $\chi^2/\text{NDF}$ : 3140626.9/20

In: 295.024+/-0.117  $\chi^2/\text{NDF}$ : 1338416.3/10

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

All: 273.480+/-0.076  $\chi^2/\text{NDF}$ : 3140626.9/20

# asym\_sam7\_mean vs Slug, Sign Corrected



Right In:  $-45.314 \pm 168.277$   $\chi^2/\text{NDF}$ : 7.8/10

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

Right Out:  $-309.142 \pm 145.952$   $\chi^2/\text{NDF}$ : 3.5/9

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

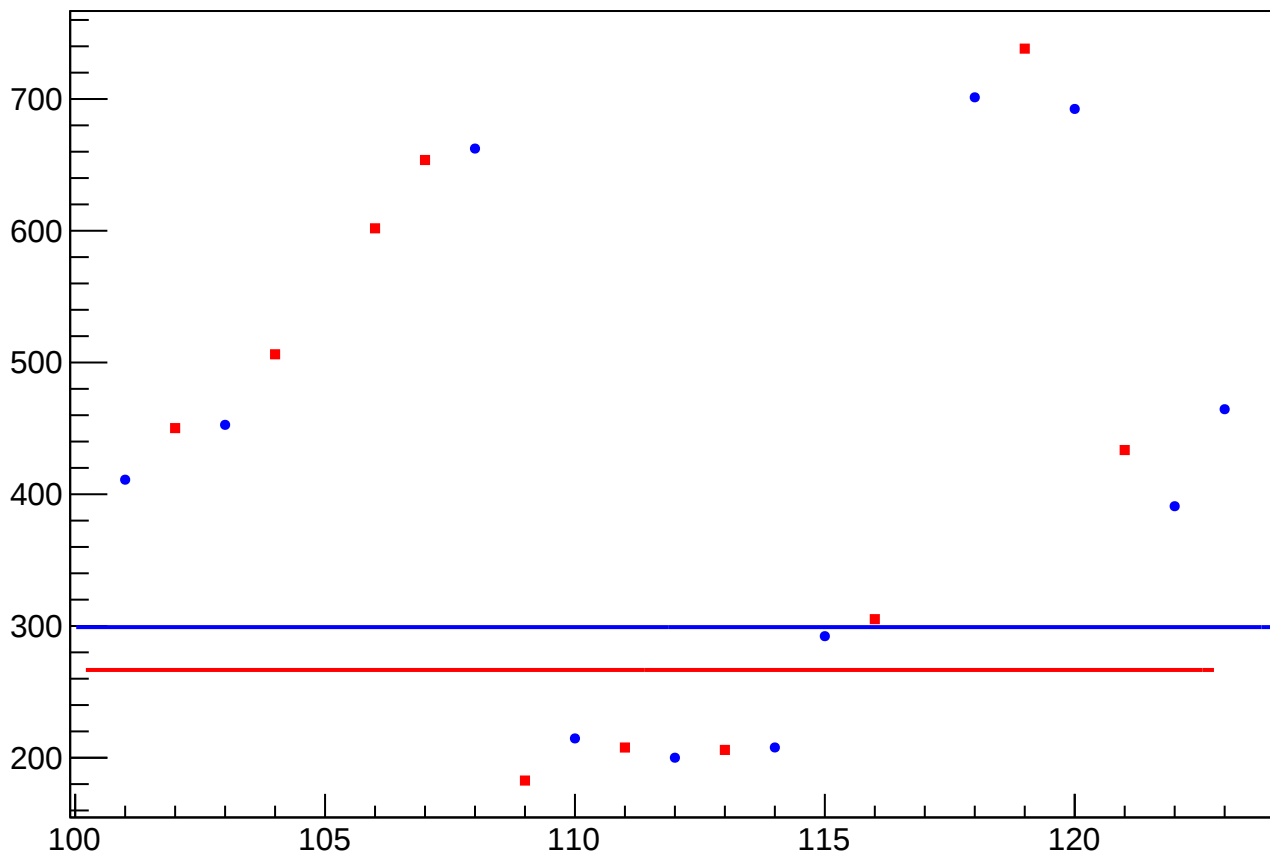
Right:  $-195.879 \pm 110.258$   $\chi^2/\text{NDF}$ : 12.7/20

In:  $-45.314 \pm 168.277$   $\chi^2/\text{NDF}$ : 7.8/10

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

All:  $-195.879 \pm 110.258$   $\chi^2/\text{NDF}$ : 12.7/20

# asym\_sam7\_rms vs Slug, Sign Corrected



Right In: 299.159+/-0.119  $\chi^2/\text{NDF}$ : 1426132.8/10

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

Right Out: 266.637+/-0.103  $\chi^2/\text{NDF}$ : 1728403.0/9

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

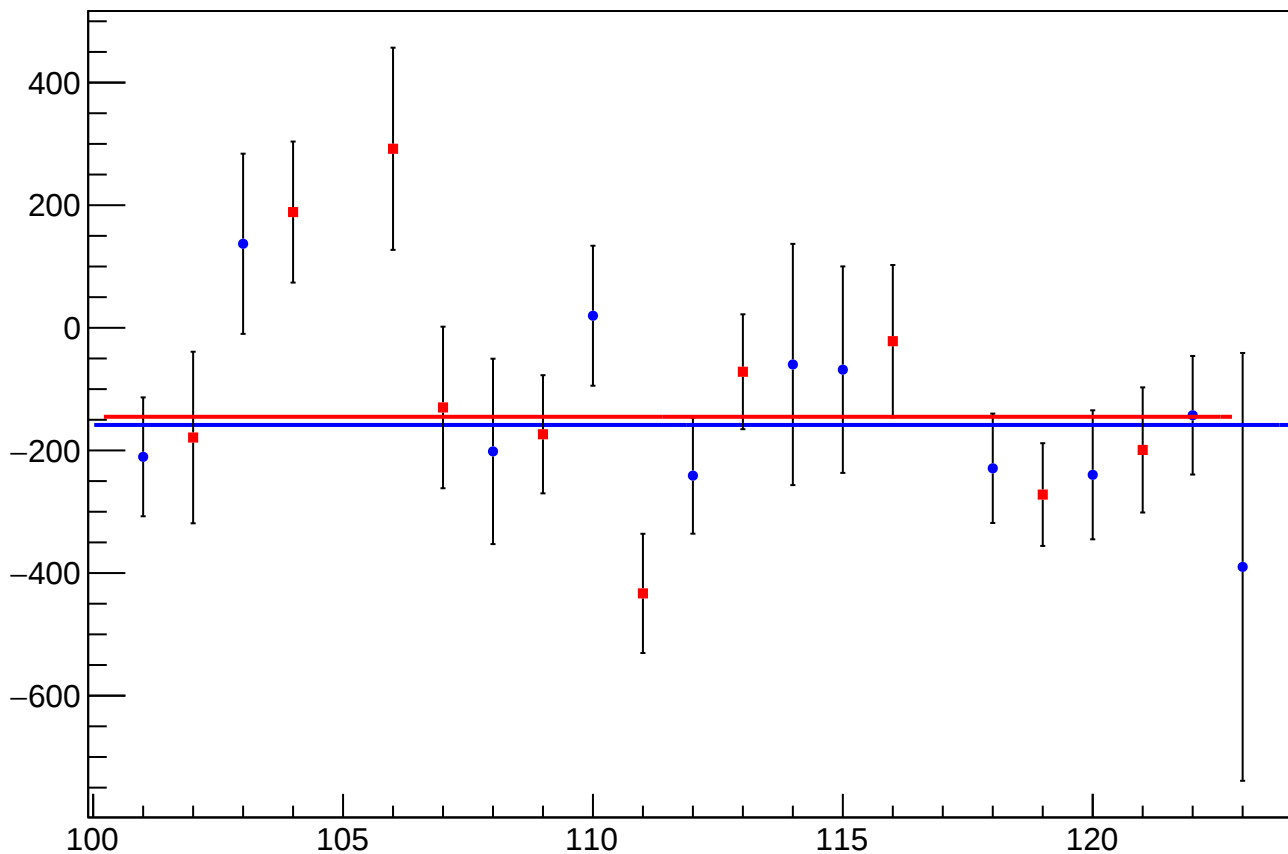
Right: 280.599+/-0.078  $\chi^2/\text{NDF}$ : 3197169.7/20

In: 299.159+/-0.119  $\chi^2/\text{NDF}$ :1426132.8/10

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

All: 280.599+/-0.078  $\chi^2/\text{NDF}$ : 3197169.7/20

# dit\_asym\_sam8\_mean vs Slug, Sign Corrected



Right In: -158.435+/-35.875  $\chi^2/\text{NDF}$ : 9.8/10

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

Right Out: -145.110+/-34.263  $\chi^2/\text{NDF}$ : 28.6/9

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

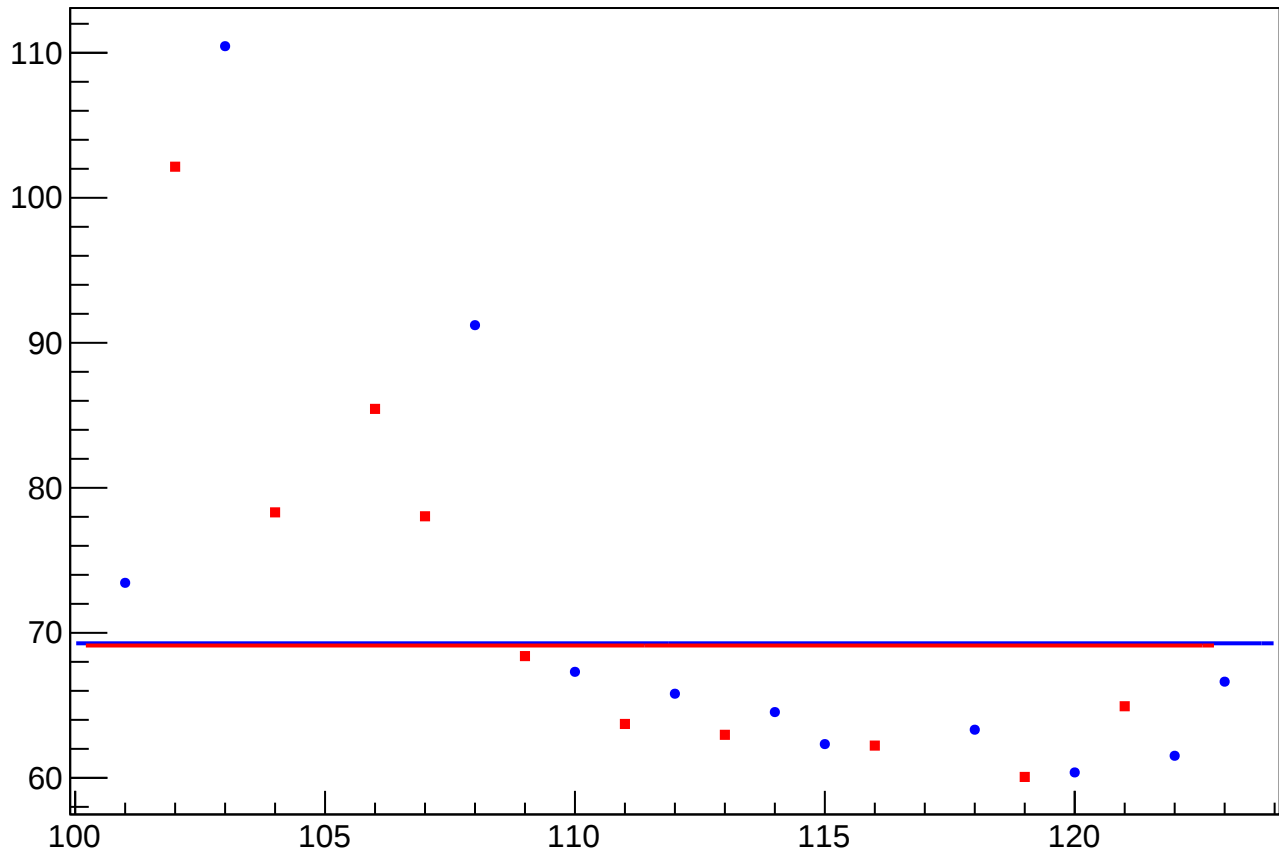
Right: -151.466+/-24.778  $\chi^2/\text{NDF}$ : 38.5/20

In: -158.435+/-35.875  $\chi^2/\text{NDF}$ :9.8/10

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

All: -151.466+/-24.778  $\chi^2/\text{NDF}$ : 38.5/20

# dit\_asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 69.278+/-0.025  $\chi^2/\text{NDF}$ : 246907.5/10

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

Right Out: 69.127+/-0.024  $\chi^2/\text{NDF}$ : 200752.6/9

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

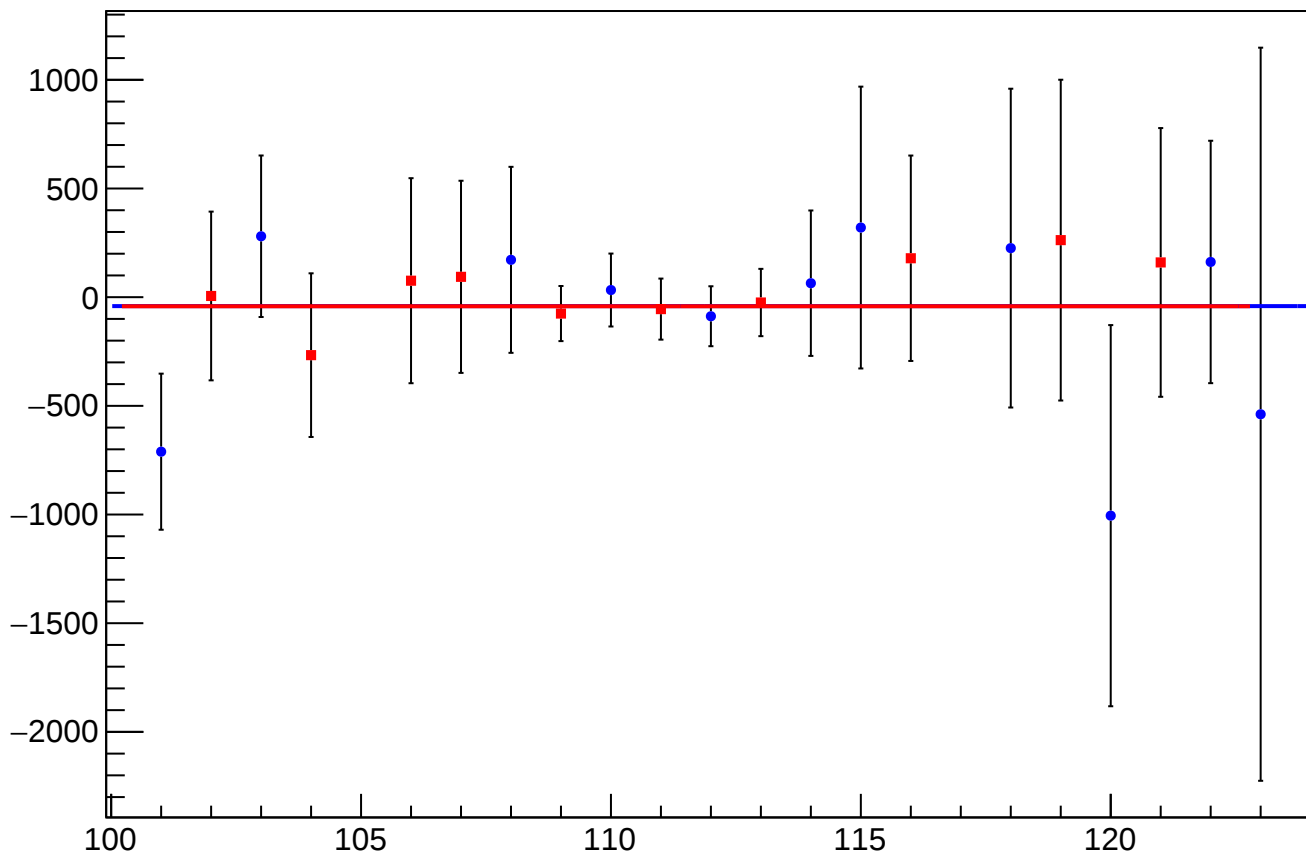
Right: 69.199+/-0.018  $\chi^2/\text{NDF}$ : 447678.7/20

In: 69.278+/-0.025  $\chi^2/\text{NDF}$ :246907.5/10

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

All: 69.199+/-0.018  $\chi^2/\text{NDF}$ : 447678.7/20

asym\_sam8\_correction\_mean vs Slug, Sign Corrected



Right In:  $-41.126 \pm 88.860$   $\chi^2/\text{NDF}$ : 6.8/10

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

Right Out:  $-41.837 \pm 73.148$   $\chi^2/\text{NDF}$ : 1.1/9

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

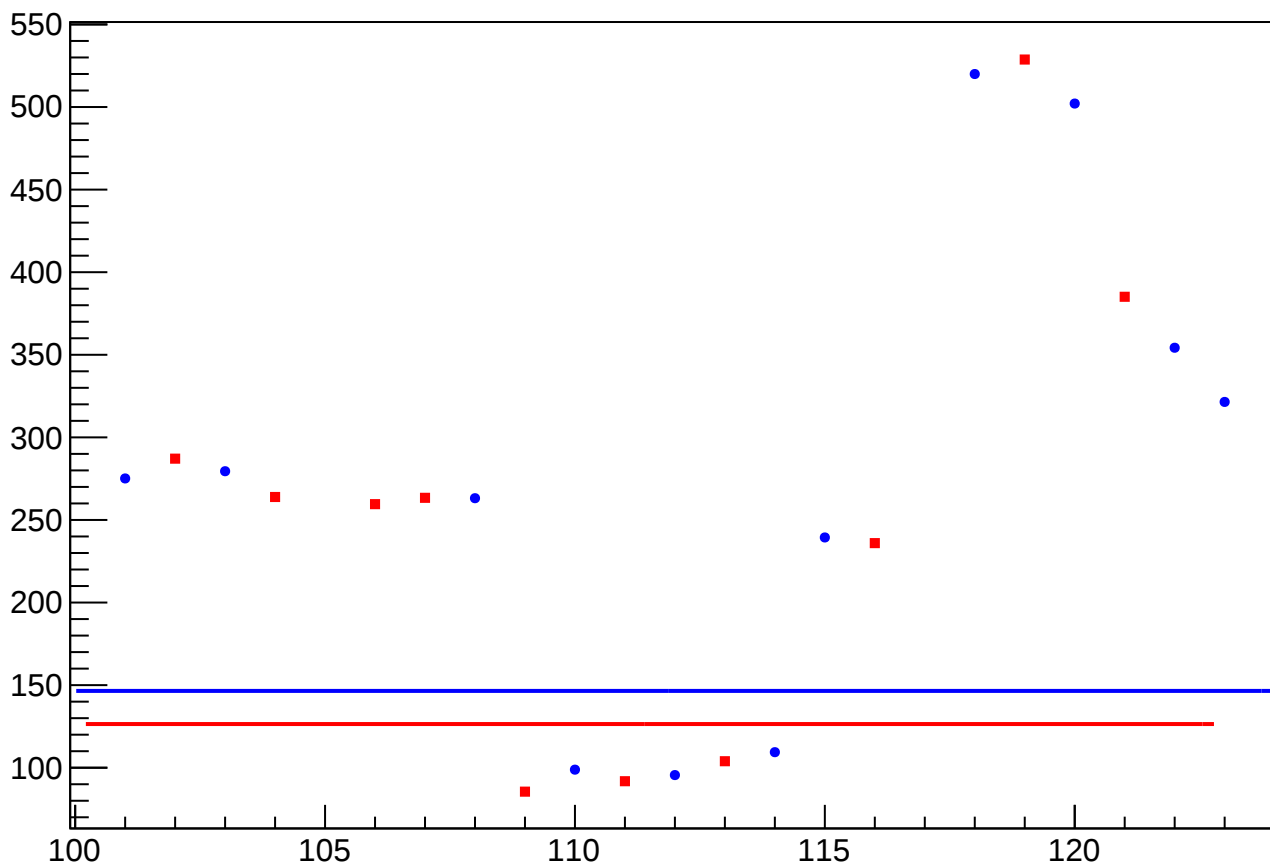
Right:  $-41.550 \pm 56.475$   $\chi^2/\text{NDF}$ : 7.9/20

In:  $-41.126 \pm 88.860$   $\chi^2/\text{NDF}$ : 6.8/10

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

All:  $-41.550 \pm 56.475$   $\chi^2/\text{NDF}$ : 7.9/20

asym\_sam8\_correction\_rms vs Slug, Sign Corrected



Right In: 146.507+/-0.063  $\chi^2/\text{NDF}$ : 2308724.9/10

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

Right Out: 126.445+/-0.052  $\chi^2/\text{NDF}$ : 2384999.7/9

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

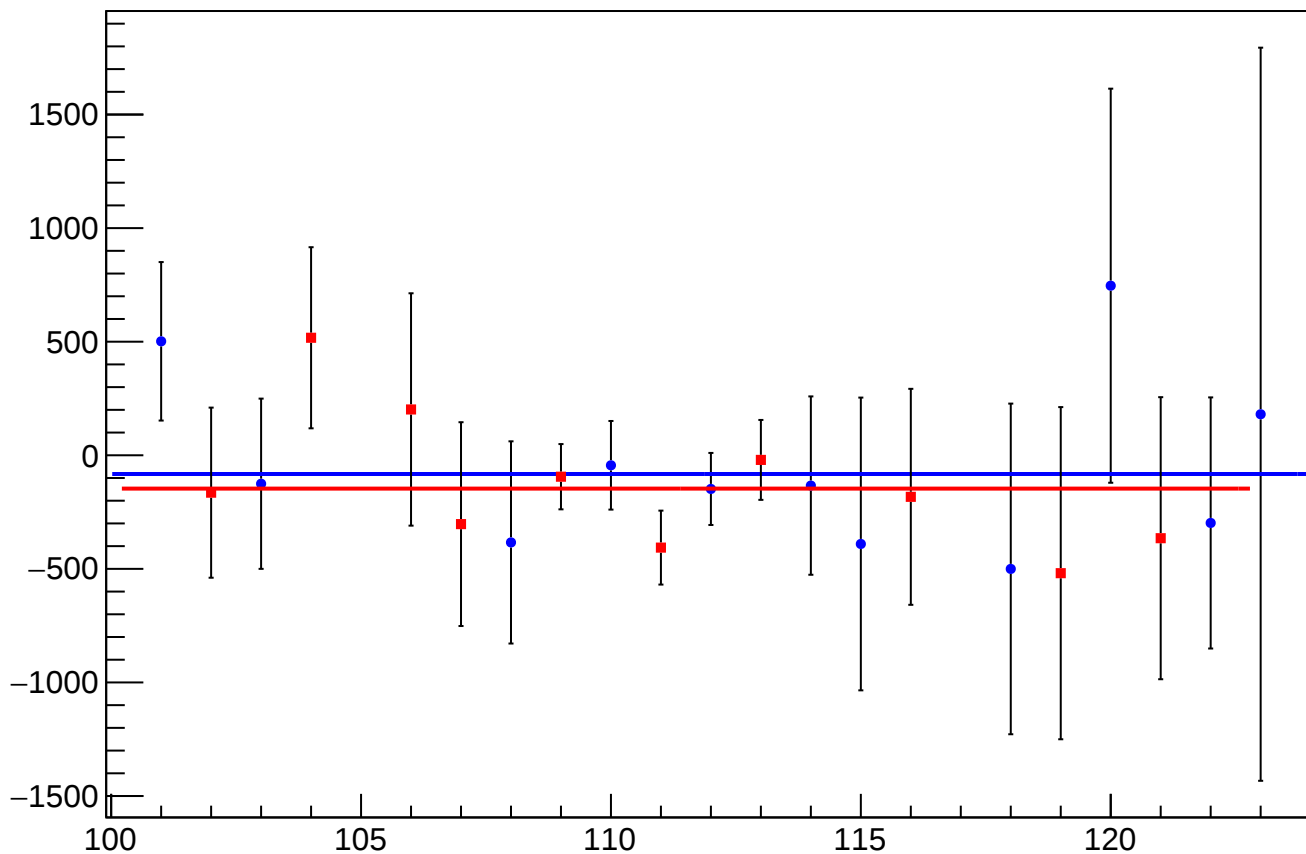
Right: 134.549+/-0.040  $\chi^2/\text{NDF}$ : 4754487.4/20

In: 146.507+/-0.063  $\chi^2/\text{NDF}$ :2308724.9/10

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

All: 134.549+/-0.040  $\chi^2/\text{NDF}$ : 4754487.4/20

# asym\_sam8\_mean vs Slug, Sign Corrected



Right In:  $-82.429 \pm 98.918$   $\chi^2/\text{NDF}$ : 5.2/10

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

Right Out:  $-146.707 \pm 81.751$   $\chi^2/\text{NDF}$ : 6.9/9

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

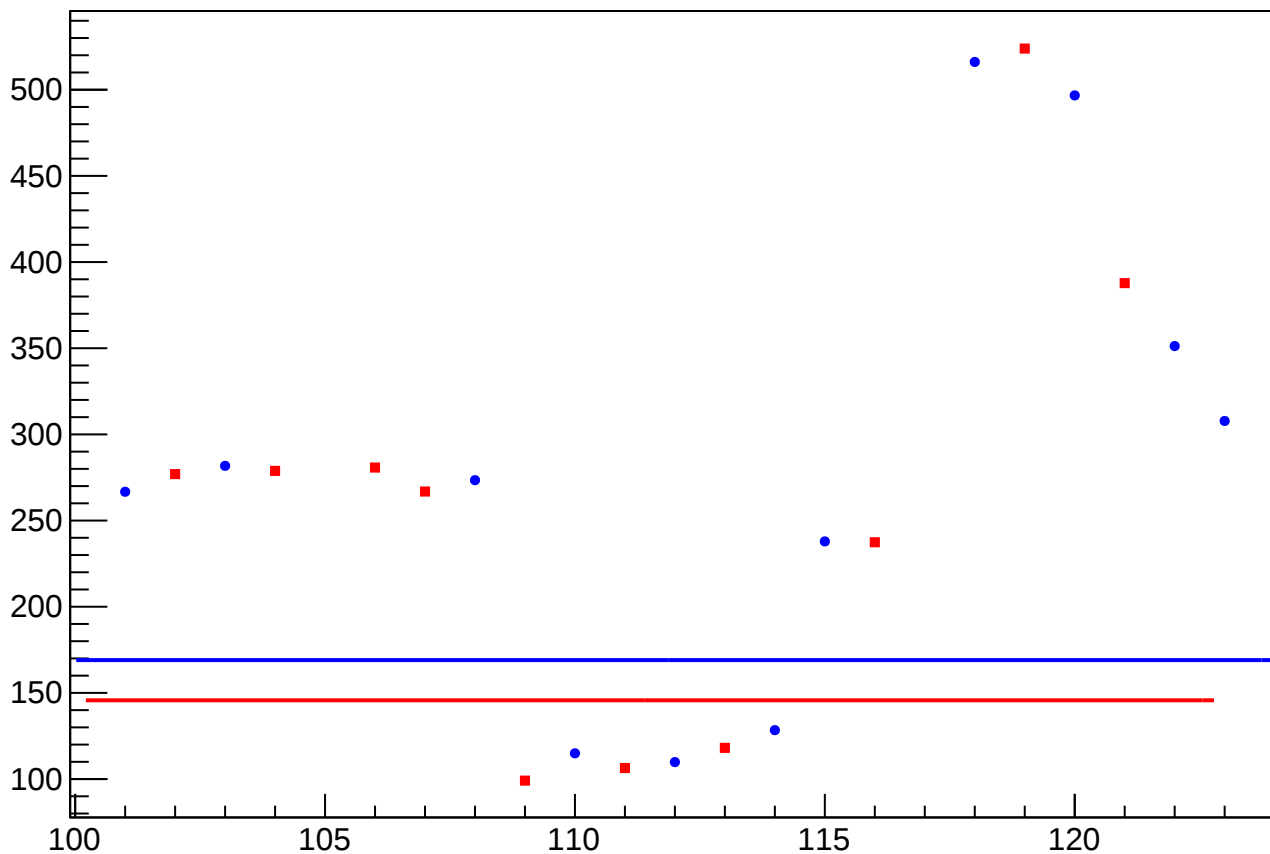
Right:  $-120.621 \pm 63.015$   $\chi^2/\text{NDF}$ : 12.4/20

In:  $-82.429 \pm 98.918$   $\chi^2/\text{NDF}$ : 5.2/10

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

All:  $-120.621 \pm 63.015$   $\chi^2/\text{NDF}$ : 12.4/20

# asym\_sam8\_rms vs Slug, Sign Corrected



Right In: 169.036+/-0.070  $\chi^2/\text{NDF}$ : 1896811.9/10

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

Right Out: 145.705+/-0.058  $\chi^2/\text{NDF}$ : 2043979.9/9

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

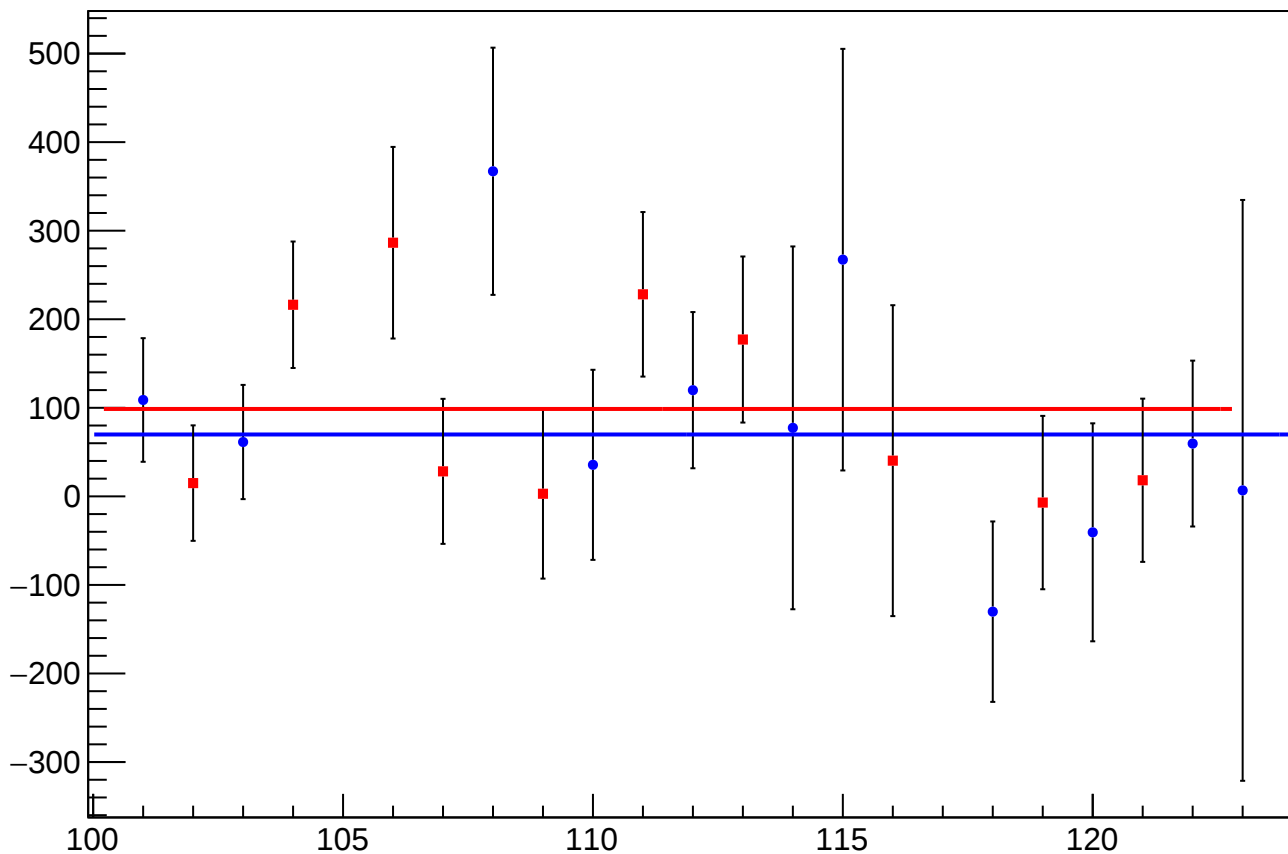
Right: 155.173+/-0.045  $\chi^2/\text{NDF}$ : 4006905.1/20

In: 169.036+/-0.070  $\chi^2/\text{NDF}$ : 1896811.9/10

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

All: 155.173+/-0.045  $\chi^2/\text{NDF}$ : 4006905.1/20

dit\_asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: 69.880 $\pm$ 31.015  $\chi^2$ /NDF: 10.7/10

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

Right Out: 98.701 $\pm$ 28.182  $\chi^2$ /NDF: 13.8/9

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

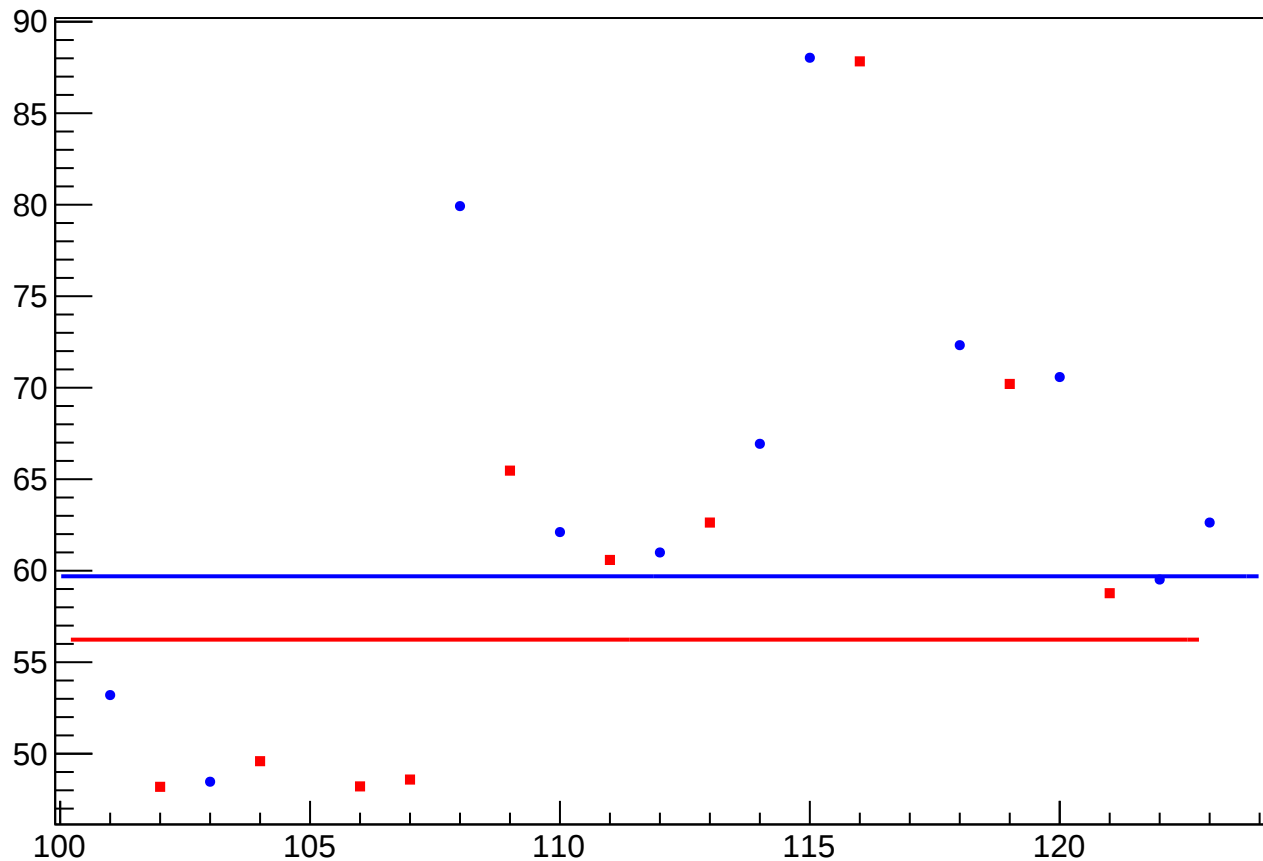
Right: 85.667 $\pm$ 20.858  $\chi^2$ /NDF: 25.0/20

In: 69.880 $\pm$ 31.015  $\chi^2$ /NDF:10.7/10

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

All: 85.667 $\pm$ 20.858  $\chi^2$ /NDF: 25.0/20

dit\_asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 59.695 $\pm$ 0.022  $\chi^2$ /NDF: 198755.1/10

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

Right Out: 56.234 $\pm$ 0.020  $\chi^2$ /NDF: 215522.3/9

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

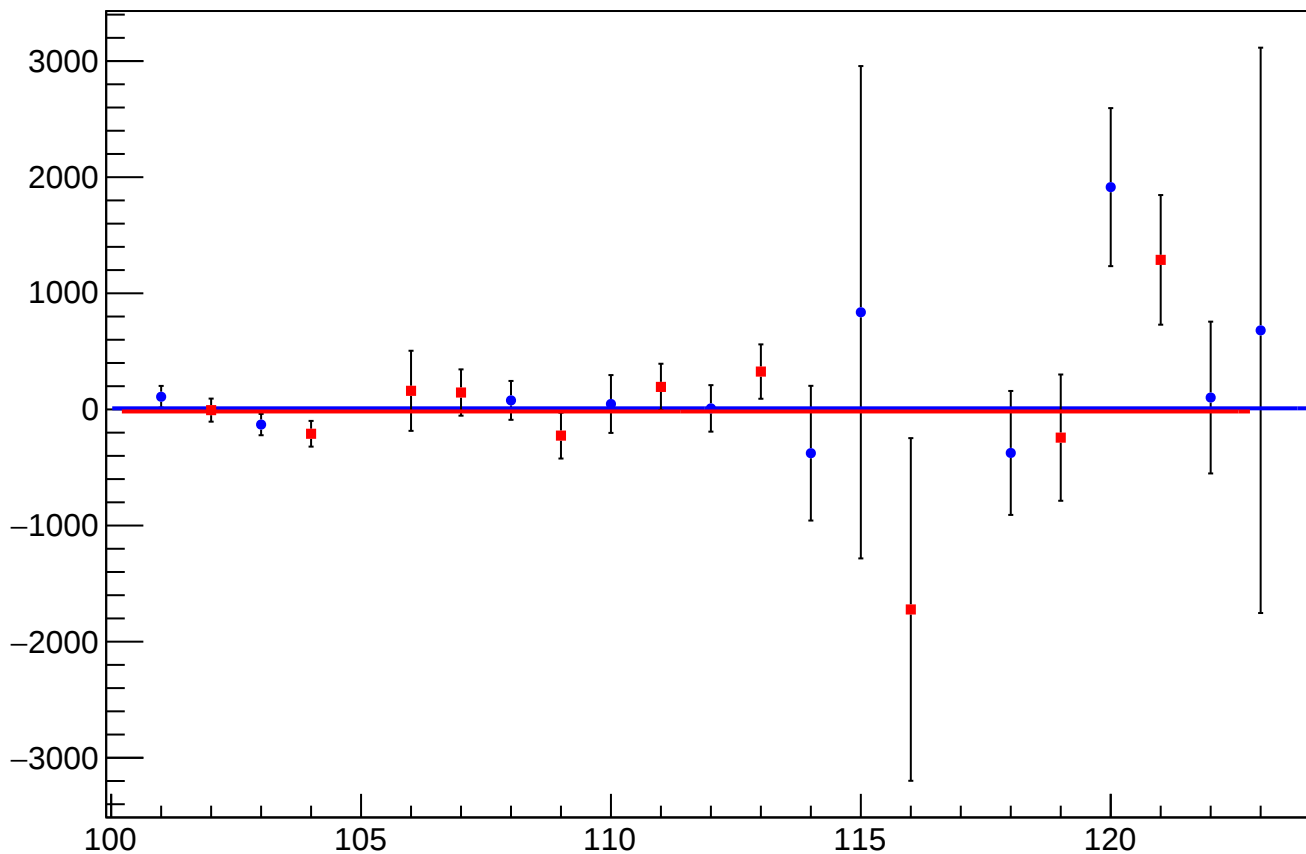
Right: 57.799 $\pm$ 0.015  $\chi^2$ /NDF: 427922.1/20

In: 59.695 $\pm$ 0.022  $\chi^2$ /NDF:198755.1/10

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

All: 57.799 $\pm$ 0.015  $\chi^2$ /NDF: 427922.1/20

asym\_sam\_15\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 9.474+/-55.803  $\chi^2/\text{NDF}$ : 12.7/10

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

Right Out: -17.614+/-58.466  $\chi^2/\text{NDF}$ : 15.3/9

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

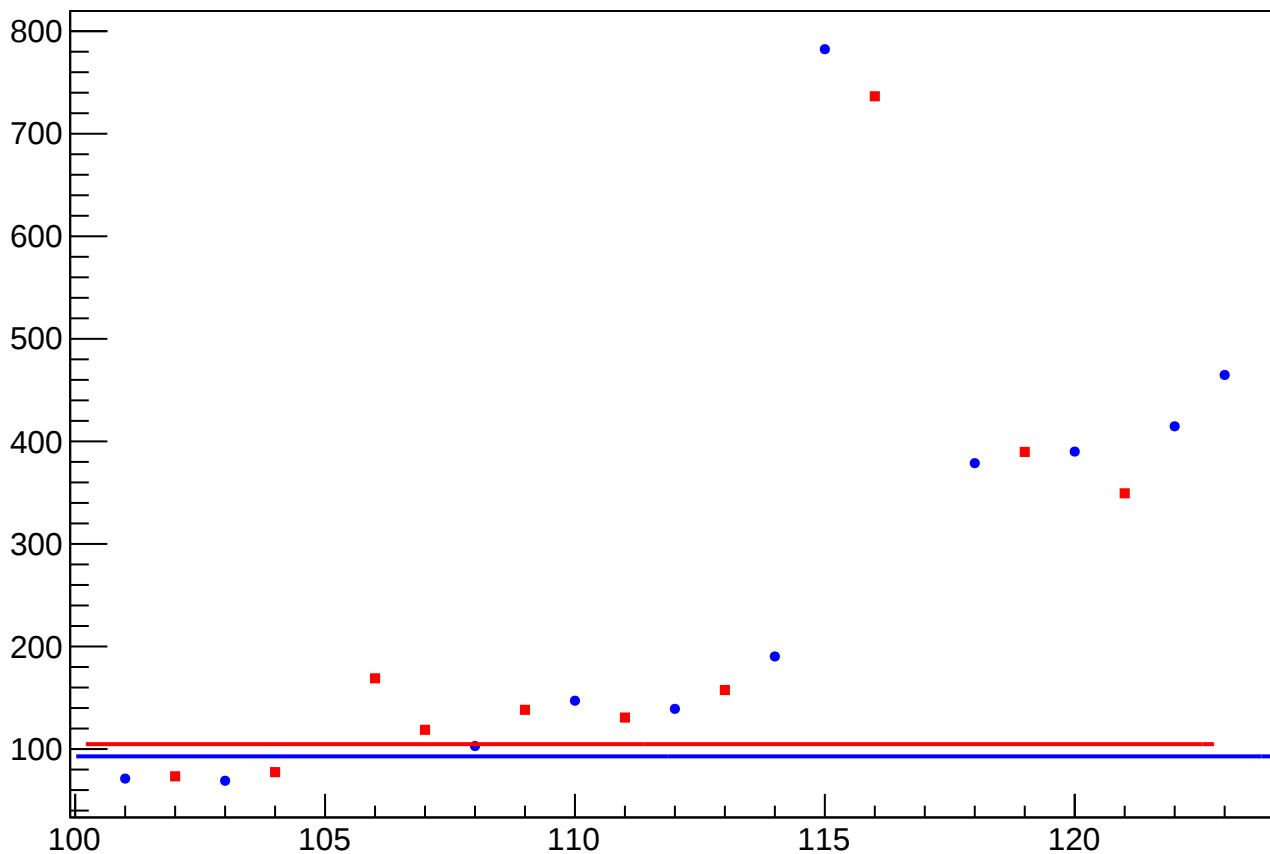
Right: -3.439+/-40.367  $\chi^2/\text{NDF}$ : 28.1/20

In: 9.474+/-55.803  $\chi^2/\text{NDF}$ : 12.7/10

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

All: -3.439+/-40.367  $\chi^2/\text{NDF}$ : 28.1/20

asym\_sam\_15\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 92.857+/-0.039  $\chi^2/\text{NDF}$ : 2205634.8/10

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

Right Out: 104.768+/-0.041  $\chi^2/\text{NDF}$ : 1892988.1/9

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

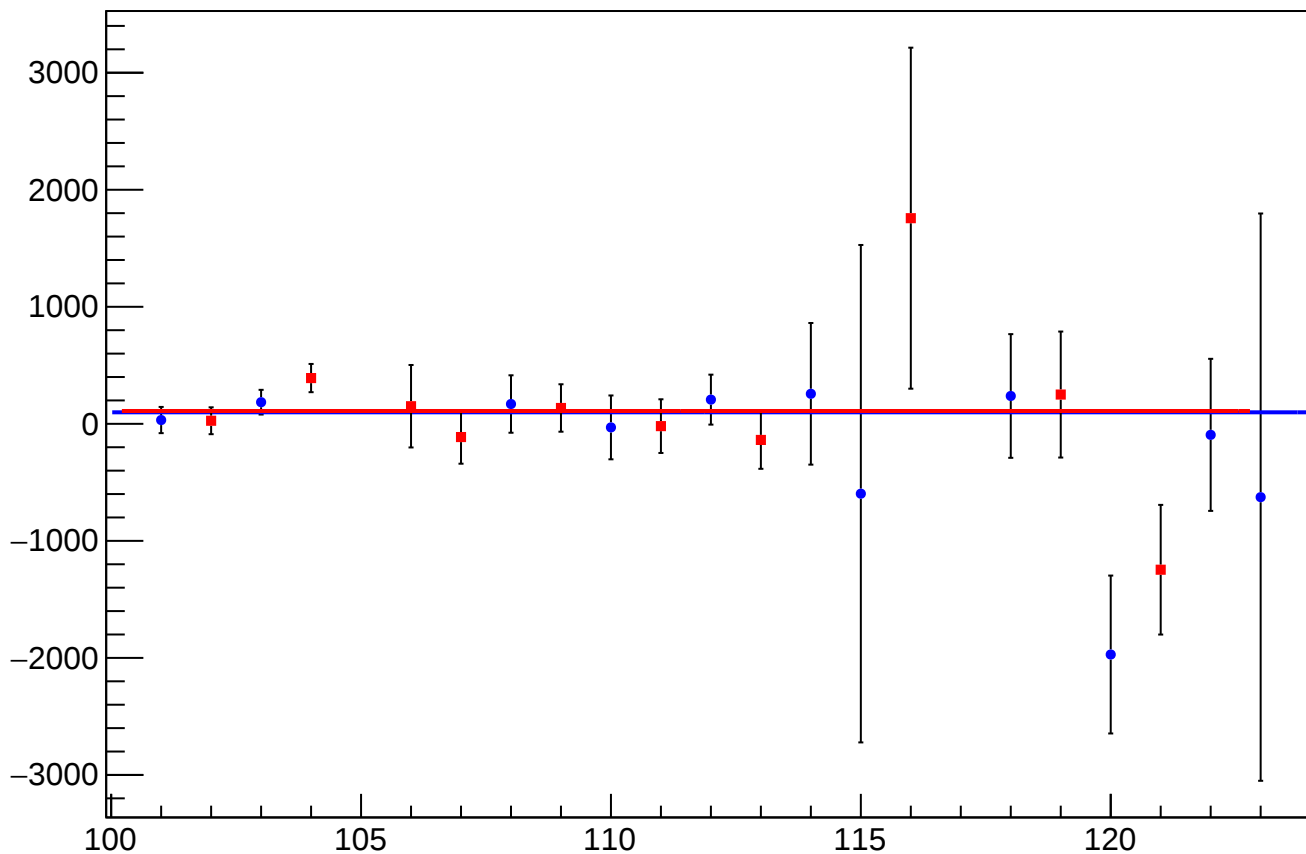
Right: 98.535+/-0.029  $\chi^2/\text{NDF}$ : 4142059.9/20

In: 92.857+/-0.039  $\chi^2/\text{NDF}$ : 2205634.8/10

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

All: 98.535+/-0.029  $\chi^2/\text{NDF}$ : 4142059.9/20

# asym\_sam\_15\_avg\_mean vs Slug, Sign Corrected



Right In: 98.385+/-65.522  $\chi^2/\text{NDF}$ : 11.4/10

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

Right Out: 109.681+/-64.697  $\chi^2/\text{NDF}$ : 15.6/9

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

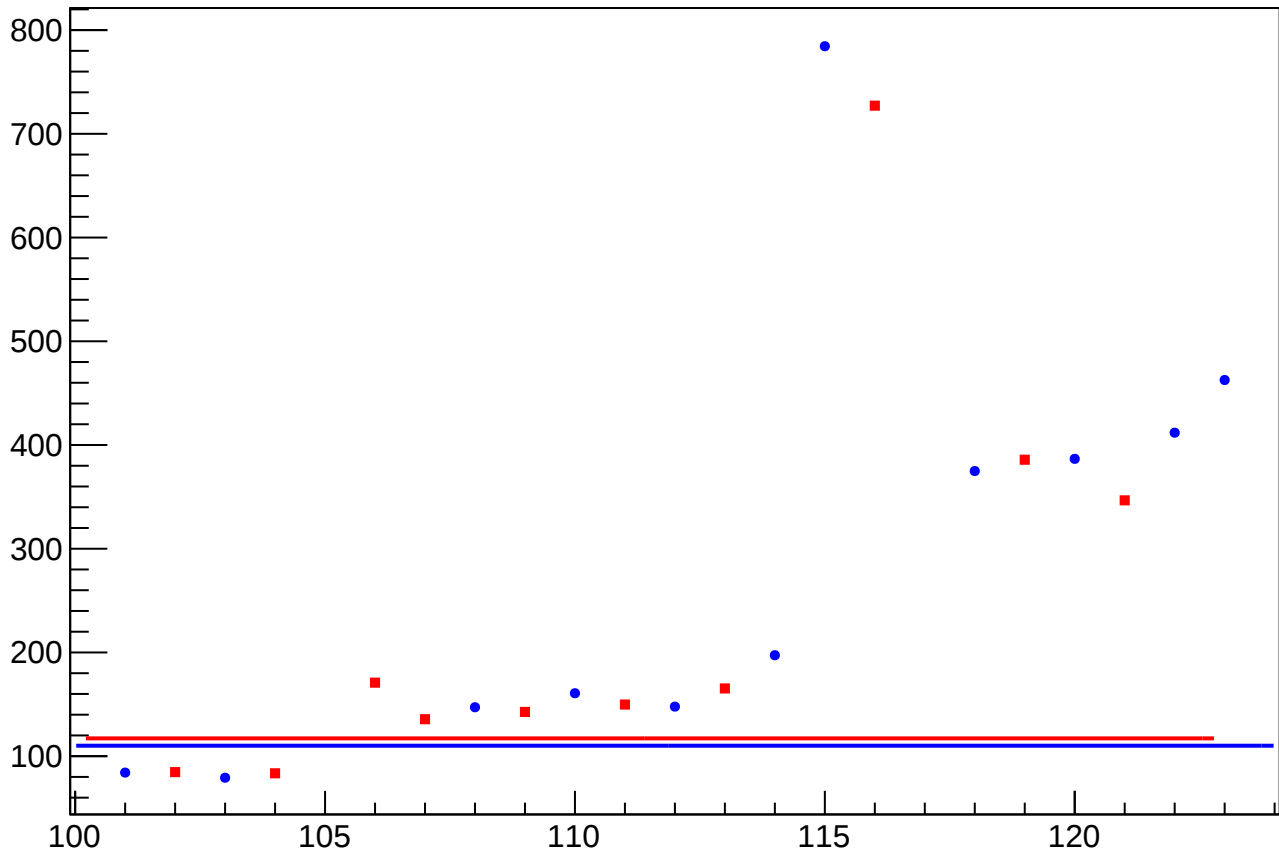
Right: 104.104+/-46.036  $\chi^2/\text{NDF}$ : 27.0/20

In: 98.385+/-65.522  $\chi^2/\text{NDF}$ : 11.4/10

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

All: 104.104+/-46.036  $\chi^2/\text{NDF}$ : 27.0/20

# asym\_sam\_15\_avg\_rms vs Slug, Sign Corrected



Right In: 110.101+/-0.046  $\chi^2/\text{NDF}$ : 2010444.5/10

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

Right Out: 117.176+/-0.046  $\chi^2/\text{NDF}$ : 1716242.5/9

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

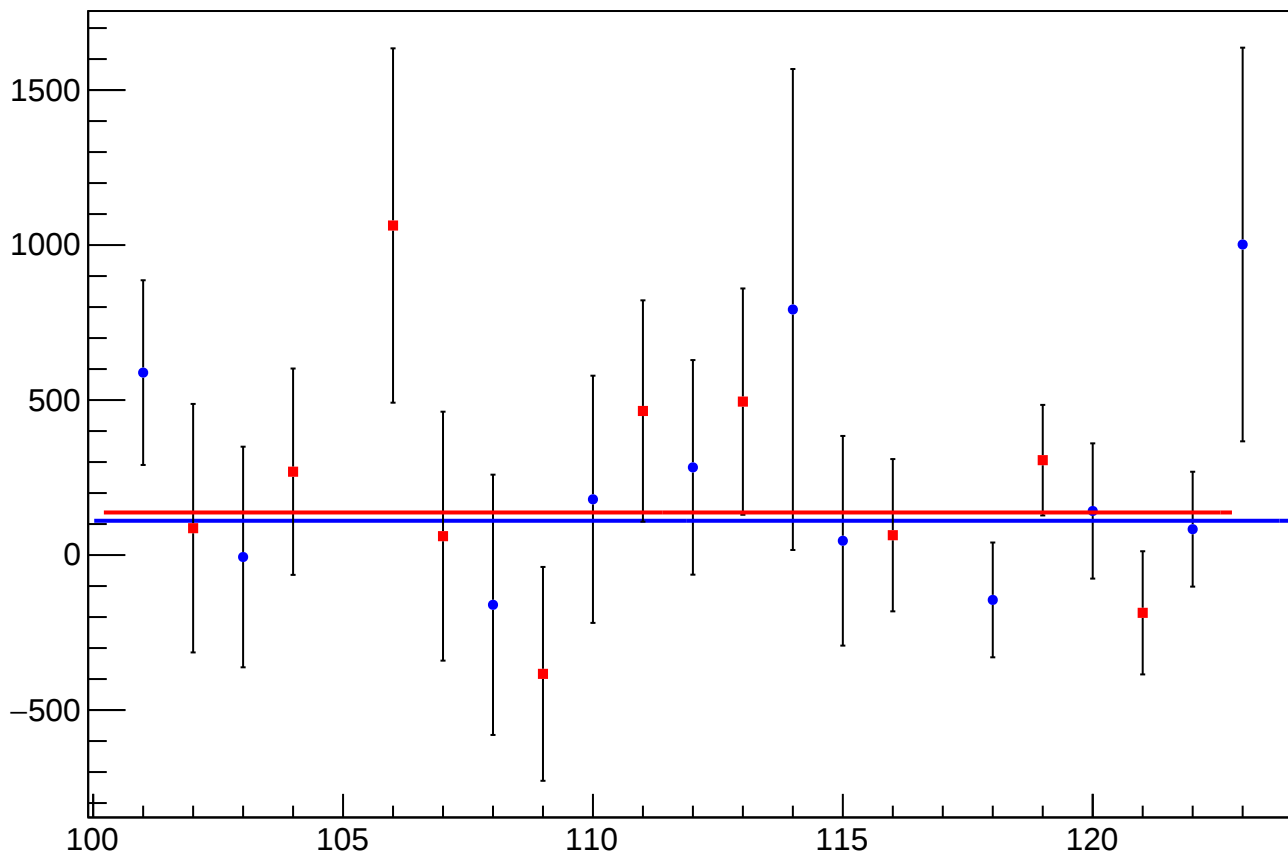
Right: 113.683+/-0.033  $\chi^2/\text{NDF}$ : 3738493.2/20

In: 110.101+/-0.046  $\chi^2/\text{NDF}$ : 2010444.5/10

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

All: 113.683+/-0.033  $\chi^2/\text{NDF}$ : 3738493.2/20

dit\_asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In: 110.592 $\pm$ 87.151  $\chi^2$ /NDF: 8.1/10

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

Right Out: 137.340 $\pm$ 90.669  $\chi^2$ /NDF: 10.6/9

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

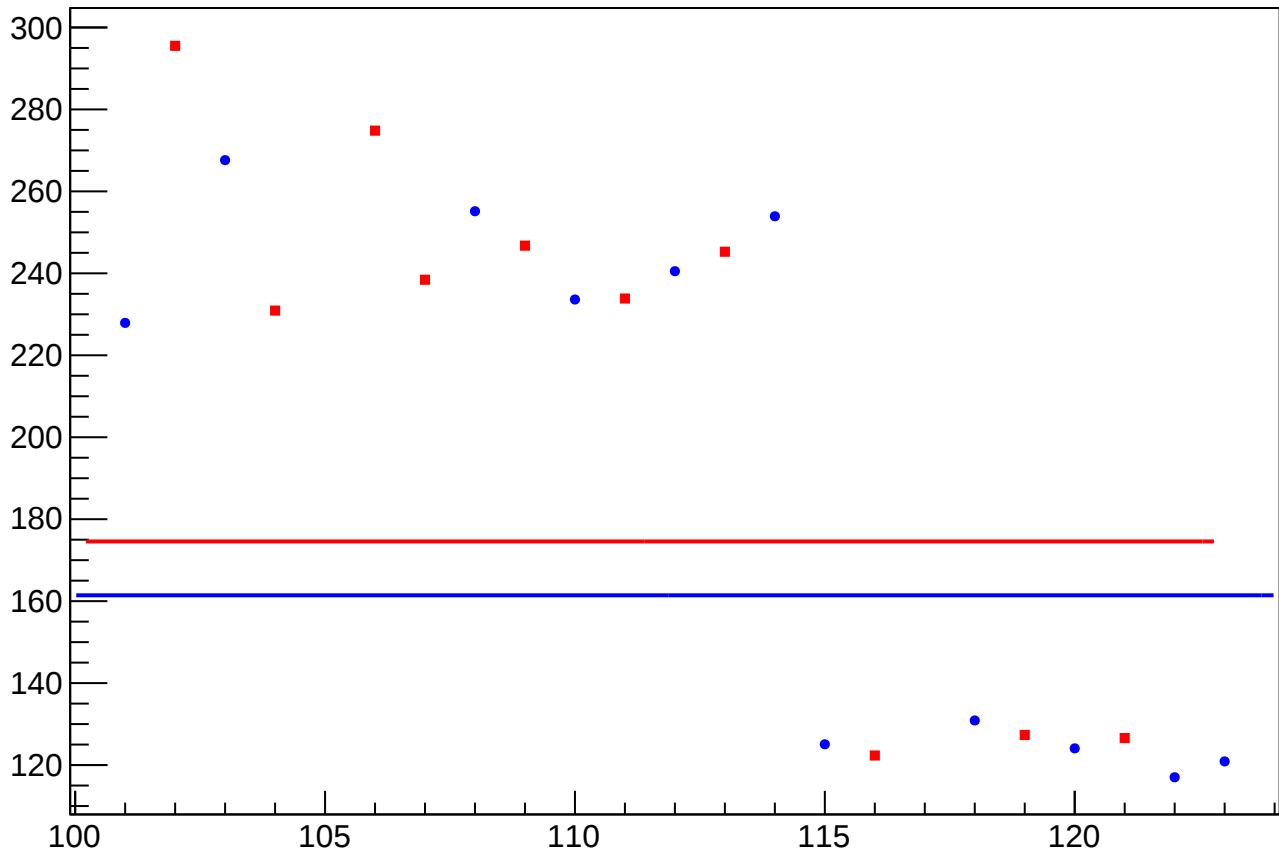
Right: 123.437 $\pm$ 62.832  $\chi^2$ /NDF: 18.7/20

In: 110.592 $\pm$ 87.151  $\chi^2$ /NDF: 8.1/10

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

All: 123.437 $\pm$ 62.832  $\chi^2$ /NDF: 18.7/20

dit\_asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 161.428+/-0.062  $\chi^2/\text{NDF}$ : 834992.9/10

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

Right Out: 174.572+/-0.064  $\chi^2/\text{NDF}$ : 916801.0/9

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

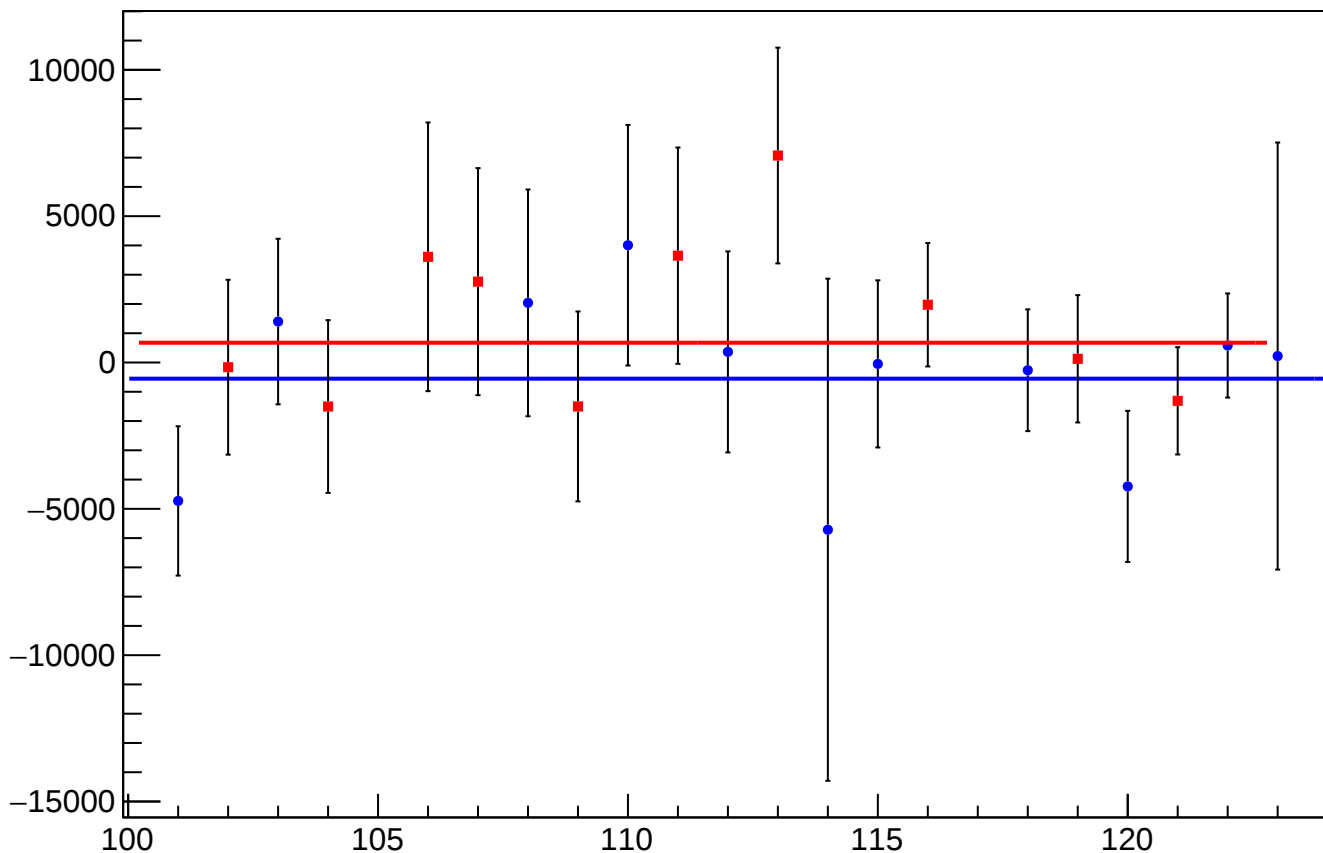
Right: 167.740+/-0.044  $\chi^2/\text{NDF}$ : 1773640.1/20

In: 161.428+/-0.062  $\chi^2/\text{NDF}$ : 834992.9/10

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

All: 167.740+/-0.044  $\chi^2/\text{NDF}$ : 1773640.1/20

asym\_sam\_26\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: -552.013+/-863.447  $\chi^2/\text{NDF}$ : 7.8/10

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

Right Out: 676.486+/-871.524  $\chi^2/\text{NDF}$ : 7.0/9

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

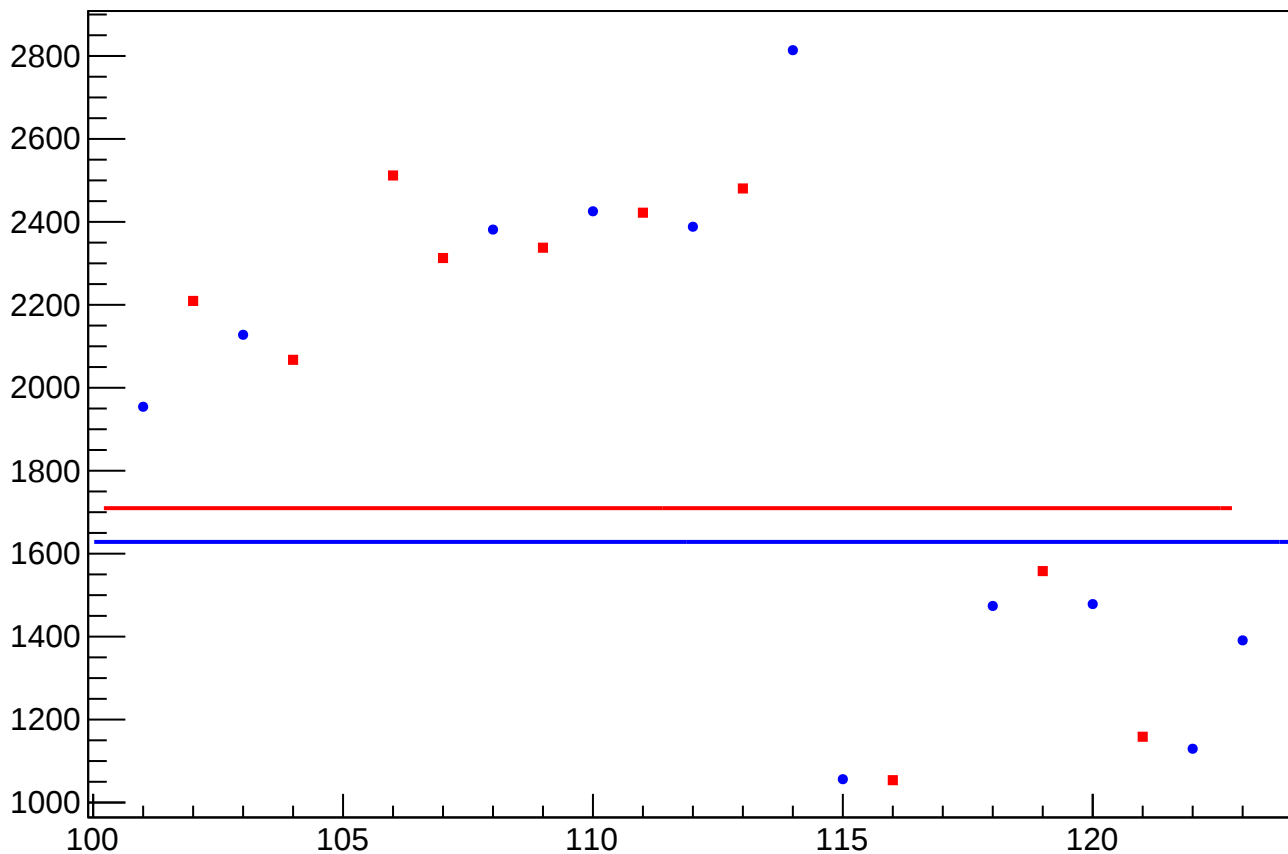
Right: 56.518+/-613.385  $\chi^2/\text{NDF}$ : 15.8/20

In: -552.013+/-863.447  $\chi^2/\text{NDF}$ :7.8/10

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

All: 56.518+/-613.385  $\chi^2/\text{NDF}$ : 15.8/20

asym\_sam\_26\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1628.388+/-0.611  $\chi^2/\text{NDF}$ : 639125.5/10

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

Right Out: 1709.733+/-0.616  $\chi^2/\text{NDF}$ : 815614.4/9

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

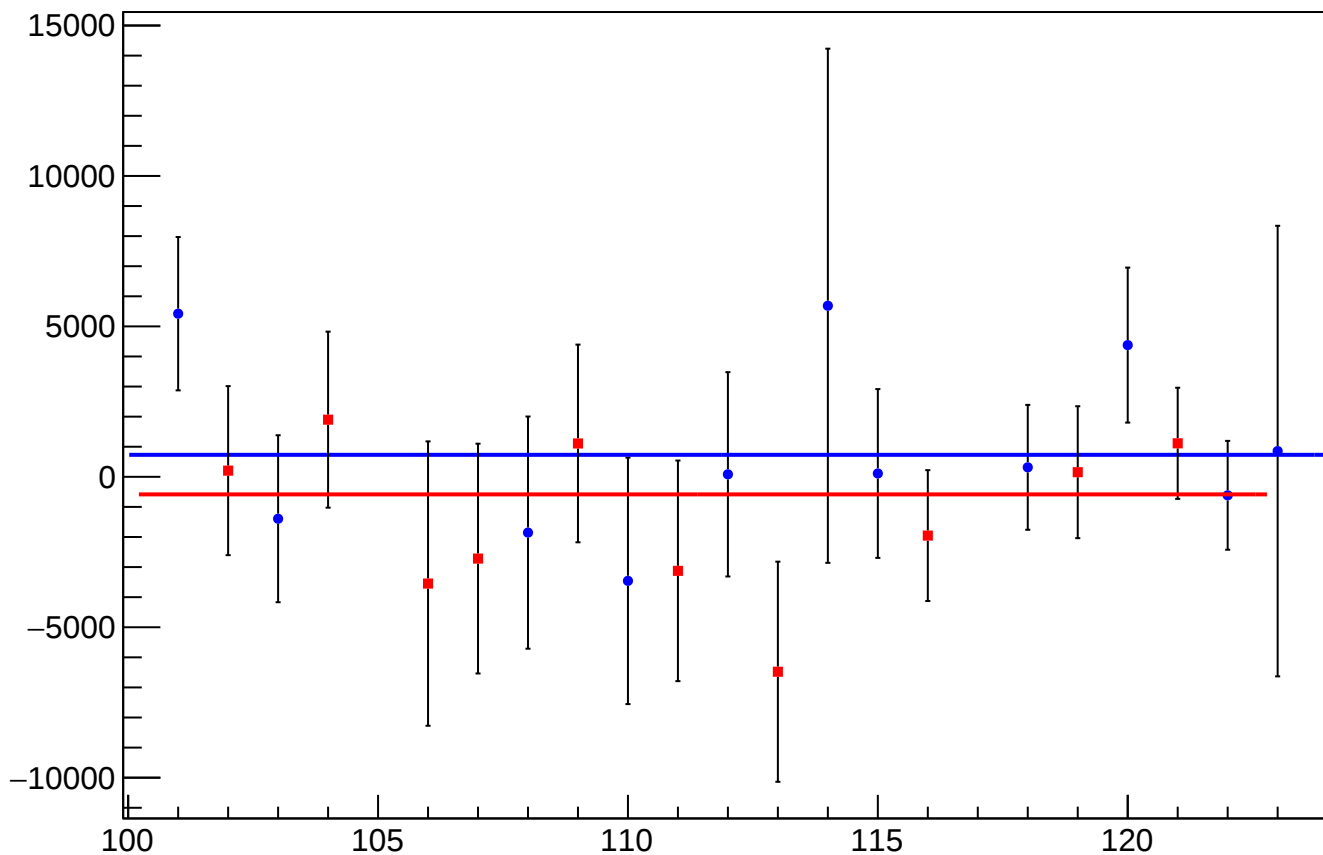
Right: 1668.682+/-0.434  $\chi^2/\text{NDF}$ : 1463532.6/20

In: 1628.388+/-0.611  $\chi^2/\text{NDF}$ : 639125.5/10

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

All: 1668.682+/-0.434  $\chi^2/\text{NDF}$ : 1463532.6/20

asym\_sam\_26\_avg\_mean vs Slug, Sign Corrected



Right In: 731.161+/-862.444  $\chi^2/\text{NDF}$ : 8.5/10

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

Right Out: -583.766+/-873.257  $\chi^2/\text{NDF}$ : 6.2/9

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

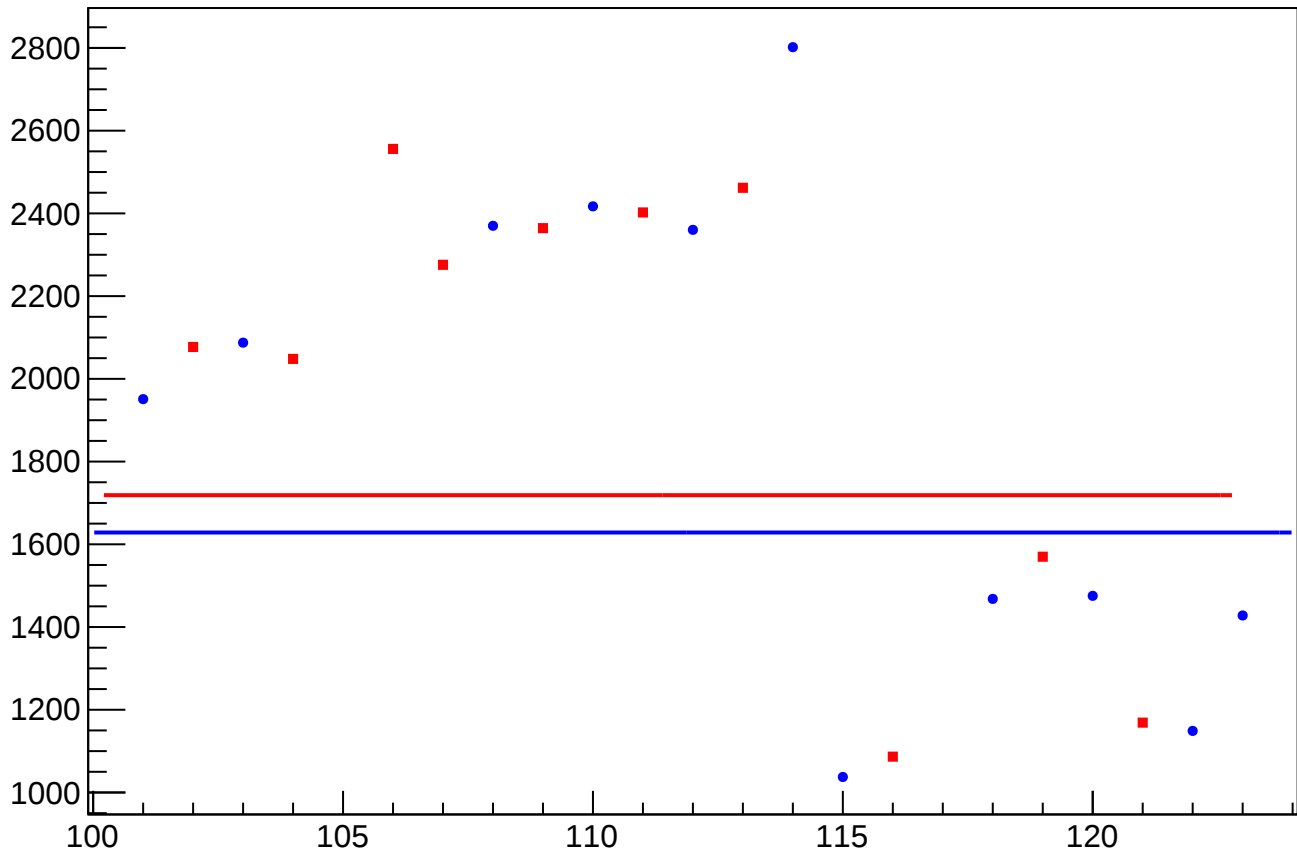
Right: 81.890+/-613.627  $\chi^2/\text{NDF}$ : 15.8/20

In: 731.161+/-862.444  $\chi^2/\text{NDF}$ : 8.5/10

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

All: 81.890+/-613.627  $\chi^2/\text{NDF}$ : 15.8/20

# asym\_sam\_26\_avg\_rms vs Slug, Sign Corrected



Right In: 1628.514+/-0.610  $\chi^2/\text{NDF}$ : 615178.8/10

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

Right Out: 1718.773+/-0.617  $\chi^2/\text{NDF}$ : 747932.9/9

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

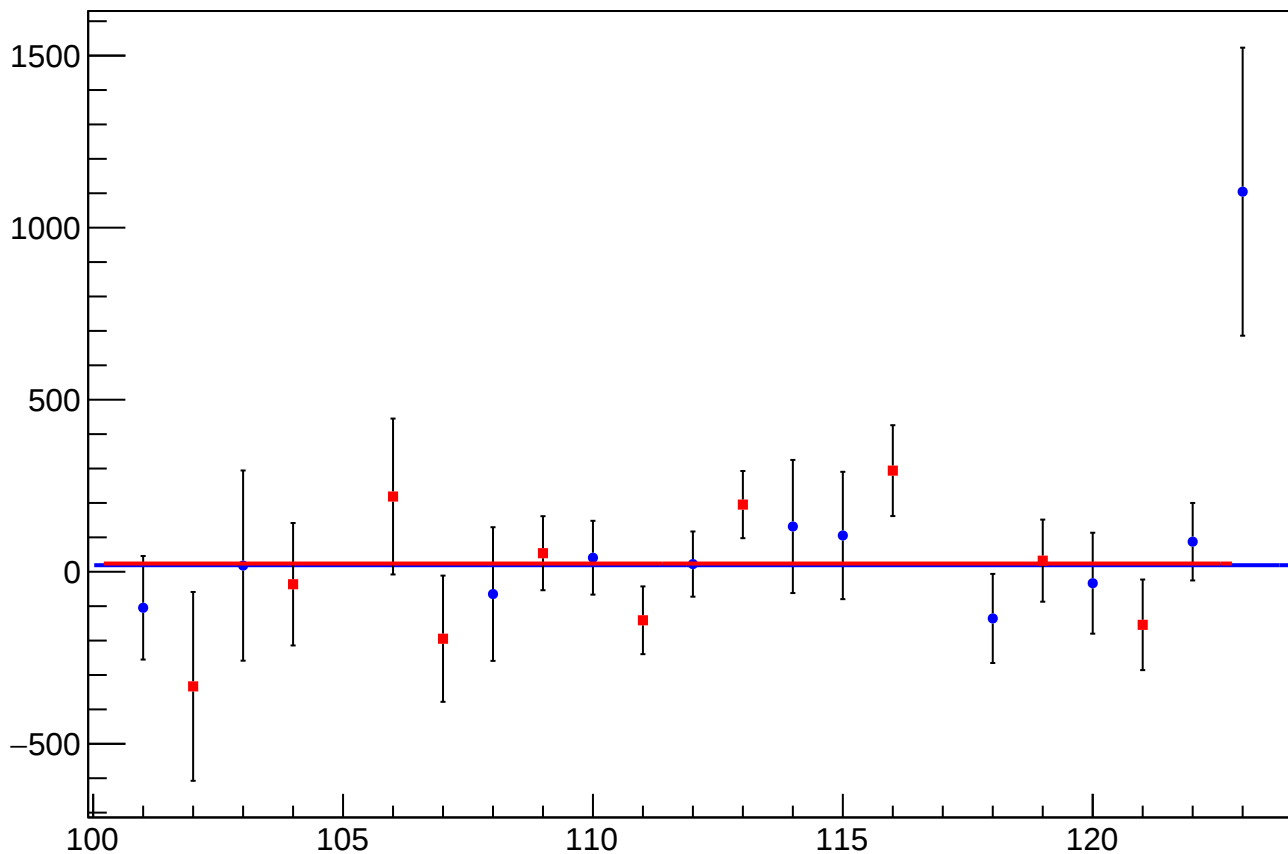
Right: 1673.081+/-0.434  $\chi^2/\text{NDF}$ : 1373927.8/20

In: 1628.514+/-0.610  $\chi^2/\text{NDF}$ : 615178.8/10

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

All: 1673.081+/-0.434  $\chi^2/\text{NDF}$ : 1373927.8/20

dit\_asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In: 19.048 $\pm$ 43.489  $\chi^2$ /NDF: 10.1/10

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

Right Out: 23.935 $\pm$ 41.744  $\chi^2$ /NDF: 15.9/9

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

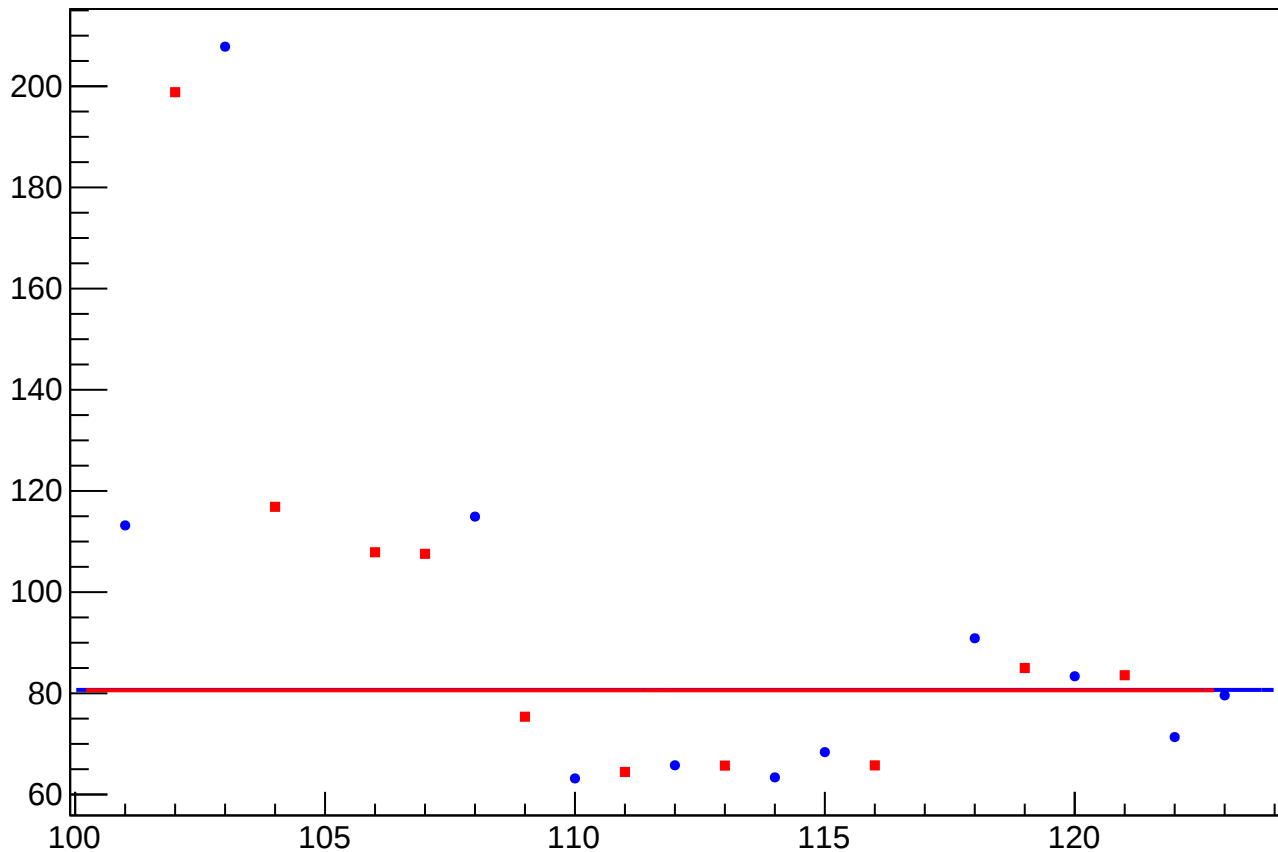
Right: 21.591 $\pm$ 30.116  $\chi^2$ /NDF: 26.1/20

In: 19.048 $\pm$ 43.489  $\chi^2$ /NDF:10.1/10

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

All: 21.591 $\pm$ 30.116  $\chi^2$ /NDF: 26.1/20

dit\_asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 80.676+/-0.031  $\chi^2/\text{NDF}$ : 733280.3/10

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

Right Out: 80.599+/-0.030  $\chi^2/\text{NDF}$ : 660698.6/9

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

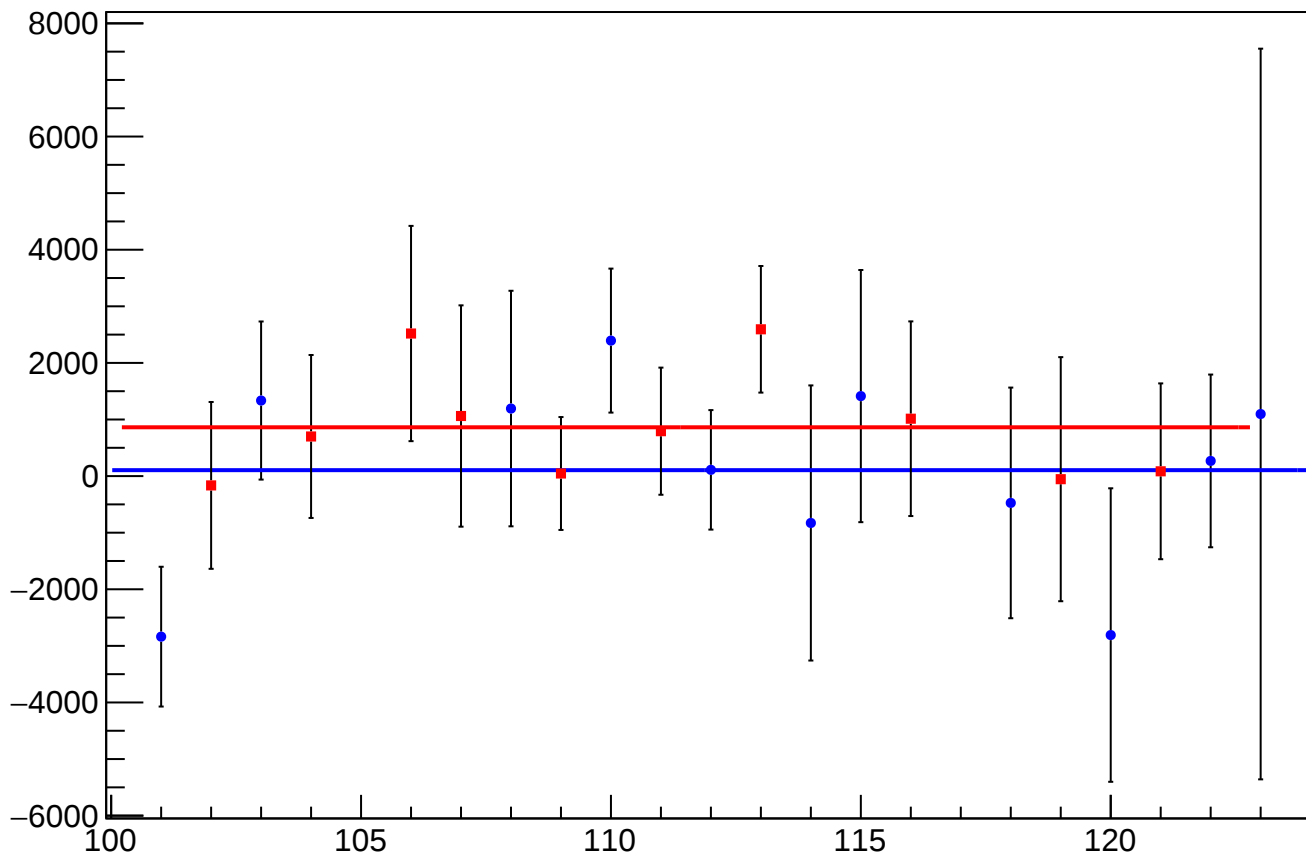
Right: 80.636+/-0.021  $\chi^2/\text{NDF}$ : 1393982.2/20

In: 80.676+/-0.031  $\chi^2/\text{NDF}$ : 733280.3/10

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

All: 80.636+/-0.021  $\chi^2/\text{NDF}$ : 1393982.2/20

asym\_sam\_37\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 104.797 $\pm$ 492.193  $\chi^2$ /NDF: 11.8/10

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

Right Out: 862.384 $\pm$ 445.206  $\chi^2$ /NDF: 4.8/9

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

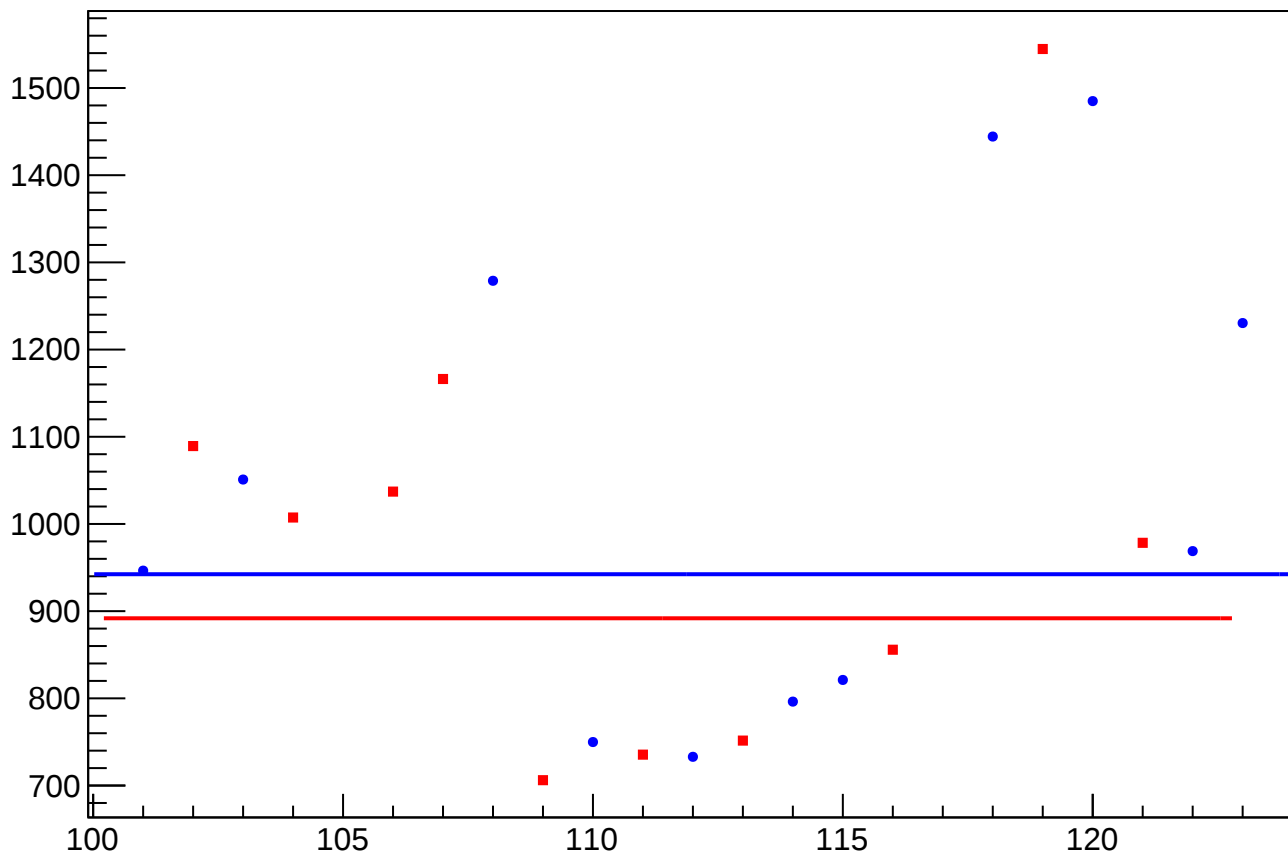
Right: 521.469 $\pm$ 330.173  $\chi^2$ /NDF: 17.9/20

In: 104.797 $\pm$ 492.193  $\chi^2$ /NDF:11.8/10

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

All: 521.469 $\pm$ 330.173  $\chi^2$ /NDF: 17.9/20

asym\_sam\_37\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 942.358+/-0.348  $\chi^2/\text{NDF}$ : 415552.0/10

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

Right Out: 891.822+/-0.315  $\chi^2/\text{NDF}$ : 429816.6/9

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

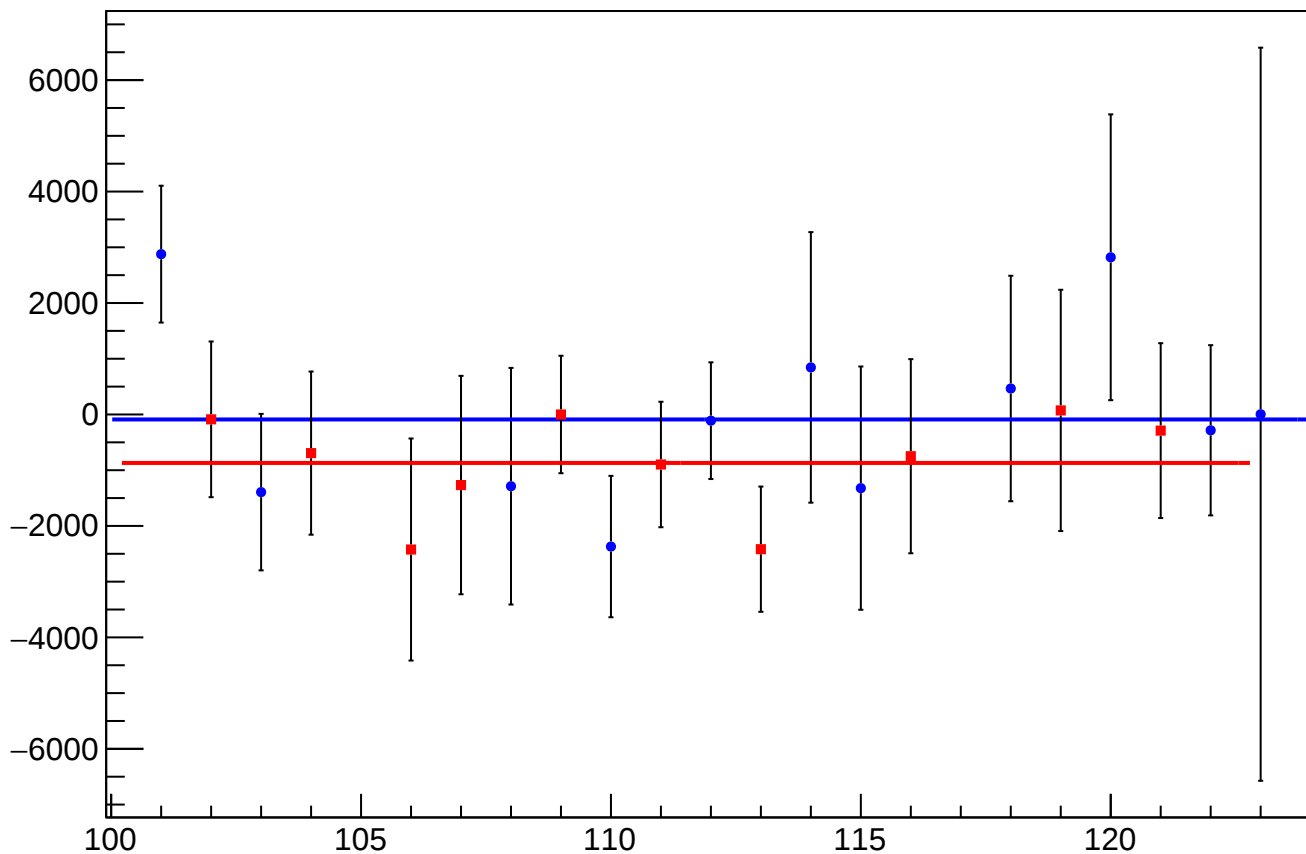
Right: 914.563+/-0.233  $\chi^2/\text{NDF}$ : 856965.2/20

In: 942.358+/-0.348  $\chi^2/\text{NDF}$ : 415552.0/10

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

All: 914.563+/-0.233  $\chi^2/\text{NDF}$ : 856965.2/20

asym\_sam\_37\_avg\_mean vs Slug, Sign Corrected



Right In: -89.404+/-490.650  $\chi^2/\text{NDF}$ : 12.1/10

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

Right Out: -869.694+/-450.731  $\chi^2/\text{NDF}$ : 3.9/9

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

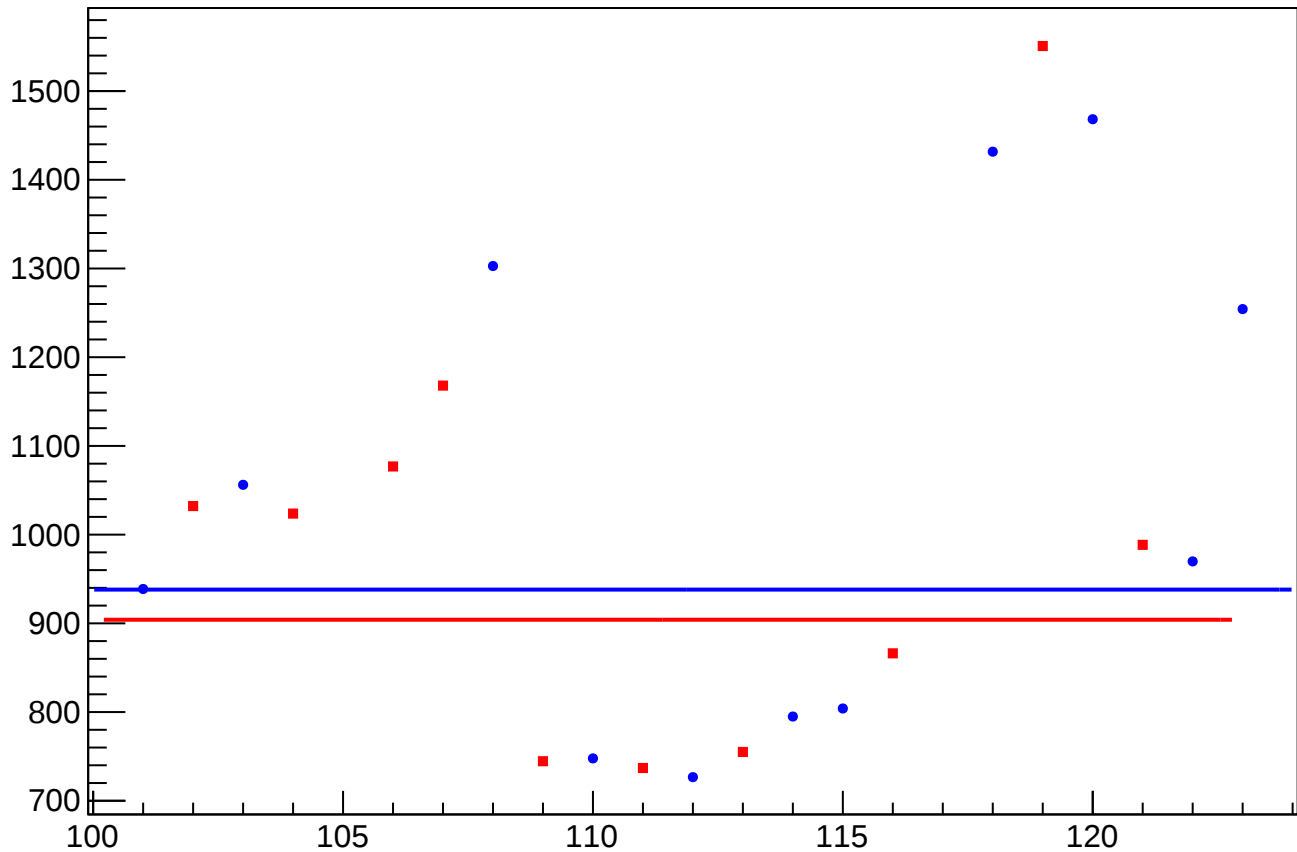
Right: -512.577+/-331.932  $\chi^2/\text{NDF}$ : 17.4/20

In: -89.404+/-490.650  $\chi^2/\text{NDF}$ : 12.1/10

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

All: -512.577+/-331.932  $\chi^2/\text{NDF}$ : 17.4/20

# asym\_sam\_37\_avg\_rms vs Slug, Sign Corrected



Right In: 938.045+/-0.347  $\chi^2/\text{NDF}$ : 424286.2/10

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

Right Out: 904.058+/-0.319  $\chi^2/\text{NDF}$ : 391796.3/9

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

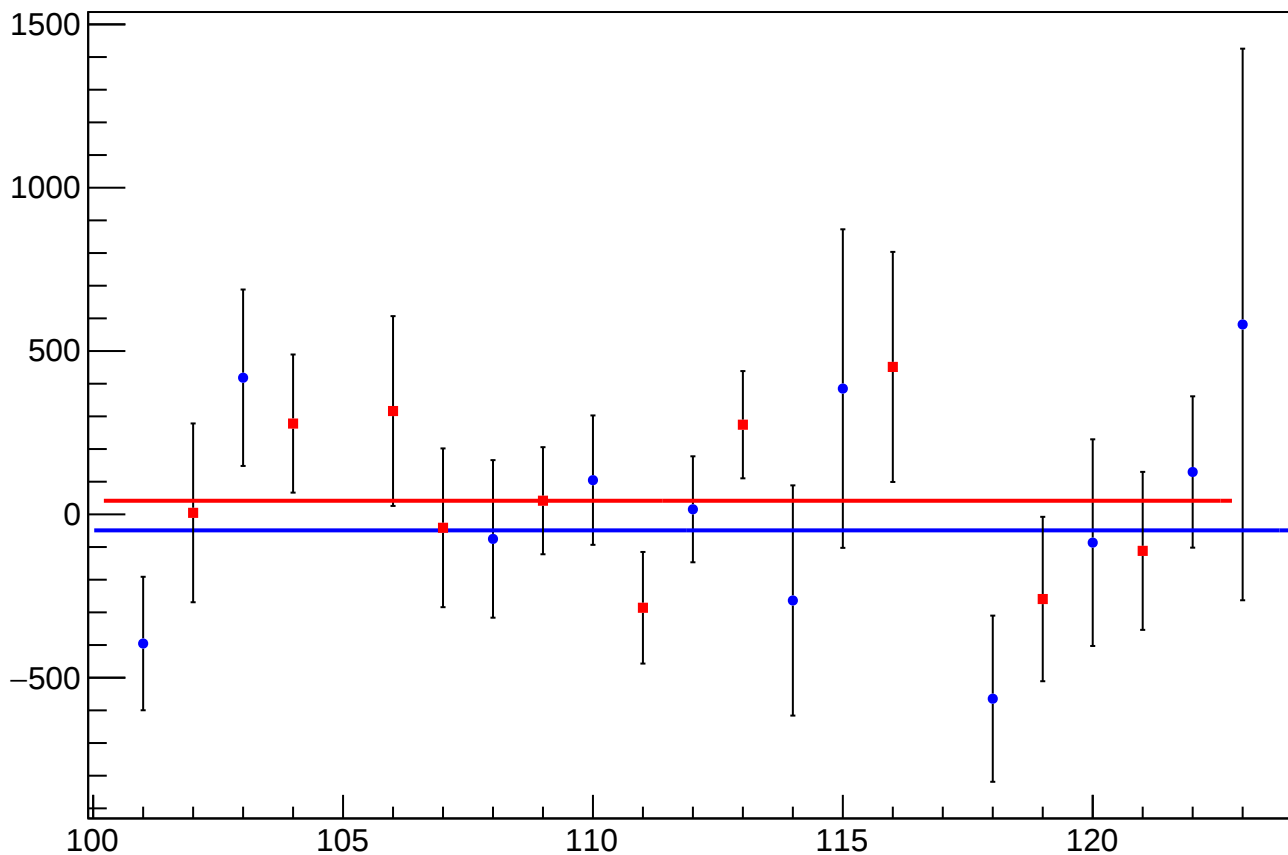
Right: 919.613+/-0.235  $\chi^2/\text{NDF}$ : 821286.8/20

In: 938.045+/-0.347  $\chi^2/\text{NDF}$ : 424286.2/10

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

All: 919.613+/-0.235  $\chi^2/\text{NDF}$ : 821286.8/20

dit\_asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In: -48.986+/-75.357  $\chi^2/\text{NDF}$ : 13.1/10

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

Right Out: 41.661+/-68.353  $\chi^2/\text{NDF}$ : 11.1/9

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

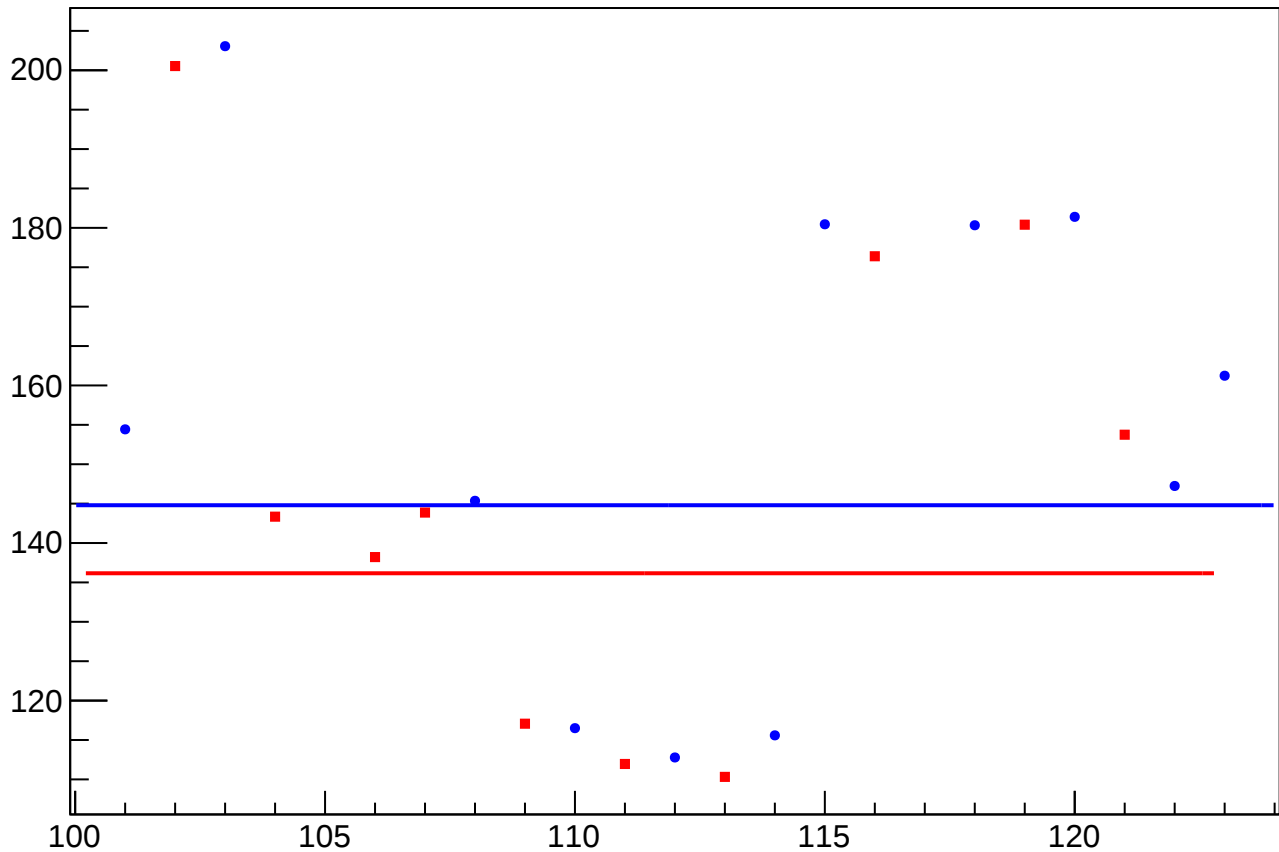
Right: 0.745+/-50.628  $\chi^2/\text{NDF}$ : 25.0/20

In: -48.986+/-75.357  $\chi^2/\text{NDF}$ : 13.1/10

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

All: 0.745+/-50.628  $\chi^2/\text{NDF}$ : 25.0/20

dit\_asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 144.796 $\pm$ 0.053  $\chi^2$ /NDF: 307473.8/10

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

Right Out: 136.162 $\pm$ 0.048  $\chi^2$ /NDF: 330403.7/9

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

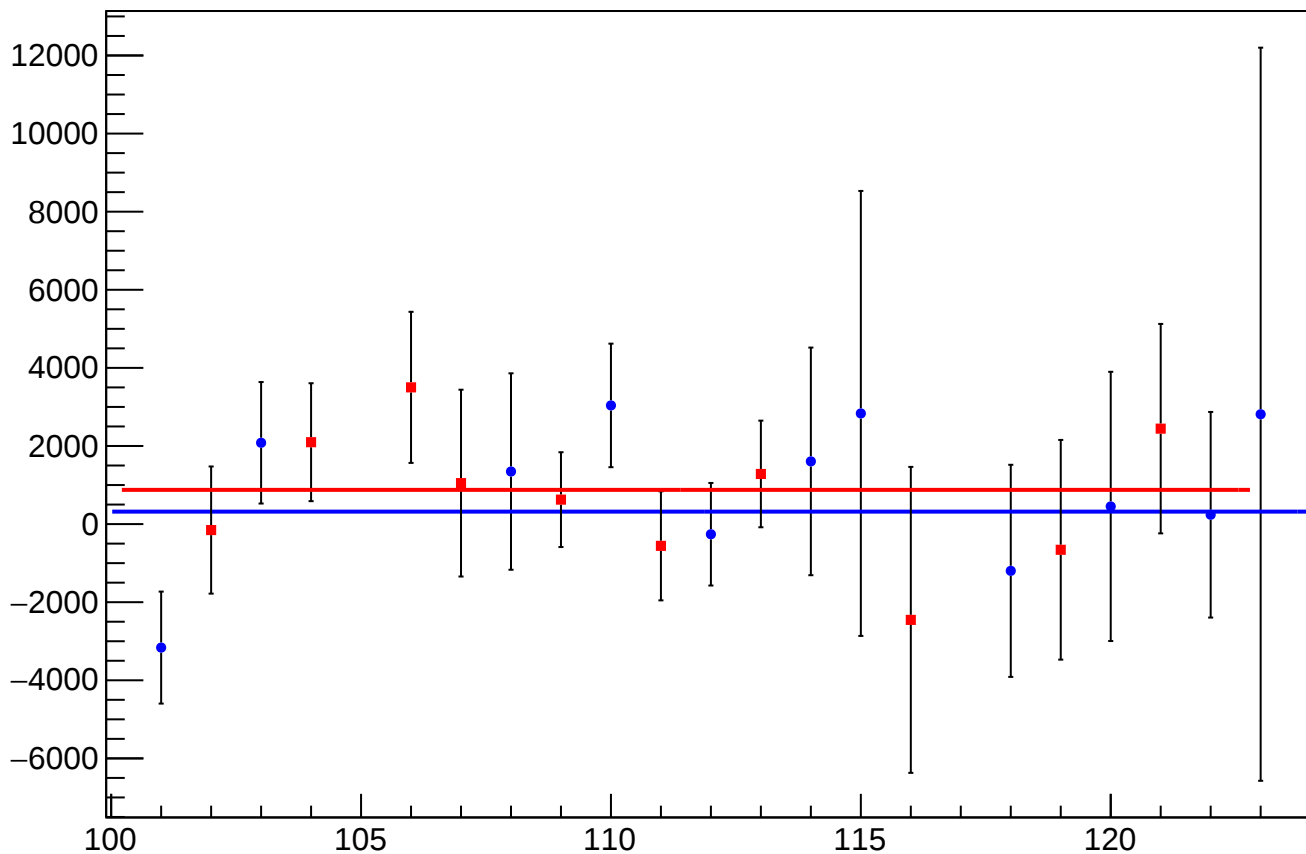
Right: 140.059 $\pm$ 0.036  $\chi^2$ /NDF: 652283.5/20

In: 144.796 $\pm$ 0.053  $\chi^2$ /NDF:307473.8/10

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

All: 140.059 $\pm$ 0.036  $\chi^2$ /NDF: 652283.5/20

asym\_sam\_48\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 319.131+/-624.856  $\chi^2/\text{NDF}$ : 11.3/10

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

Right Out: 876.162+/-549.085  $\chi^2/\text{NDF}$ : 5.4/9

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

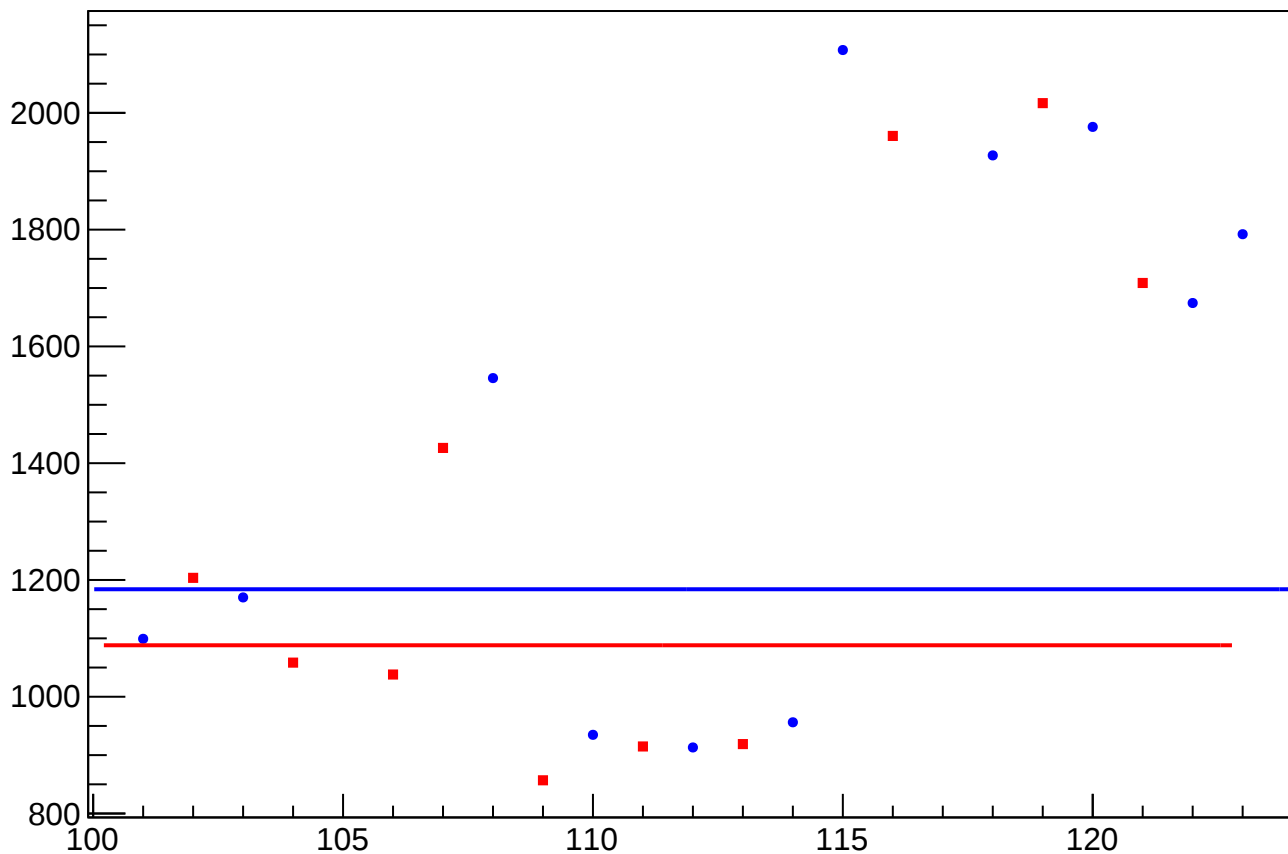
Right: 633.450+/-412.464  $\chi^2/\text{NDF}$ : 17.2/20

In: 319.131+/-624.856  $\chi^2/\text{NDF}$ : 11.3/10

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

All: 633.450+/-412.464  $\chi^2/\text{NDF}$ : 17.2/20

asym\_sam\_48\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1184.090+/-0.442  $\chi^2/\text{NDF}$ : 581138.7/10

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

Right Out: 1088.152+/-0.388  $\chi^2/\text{NDF}$ : 610383.7/9

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

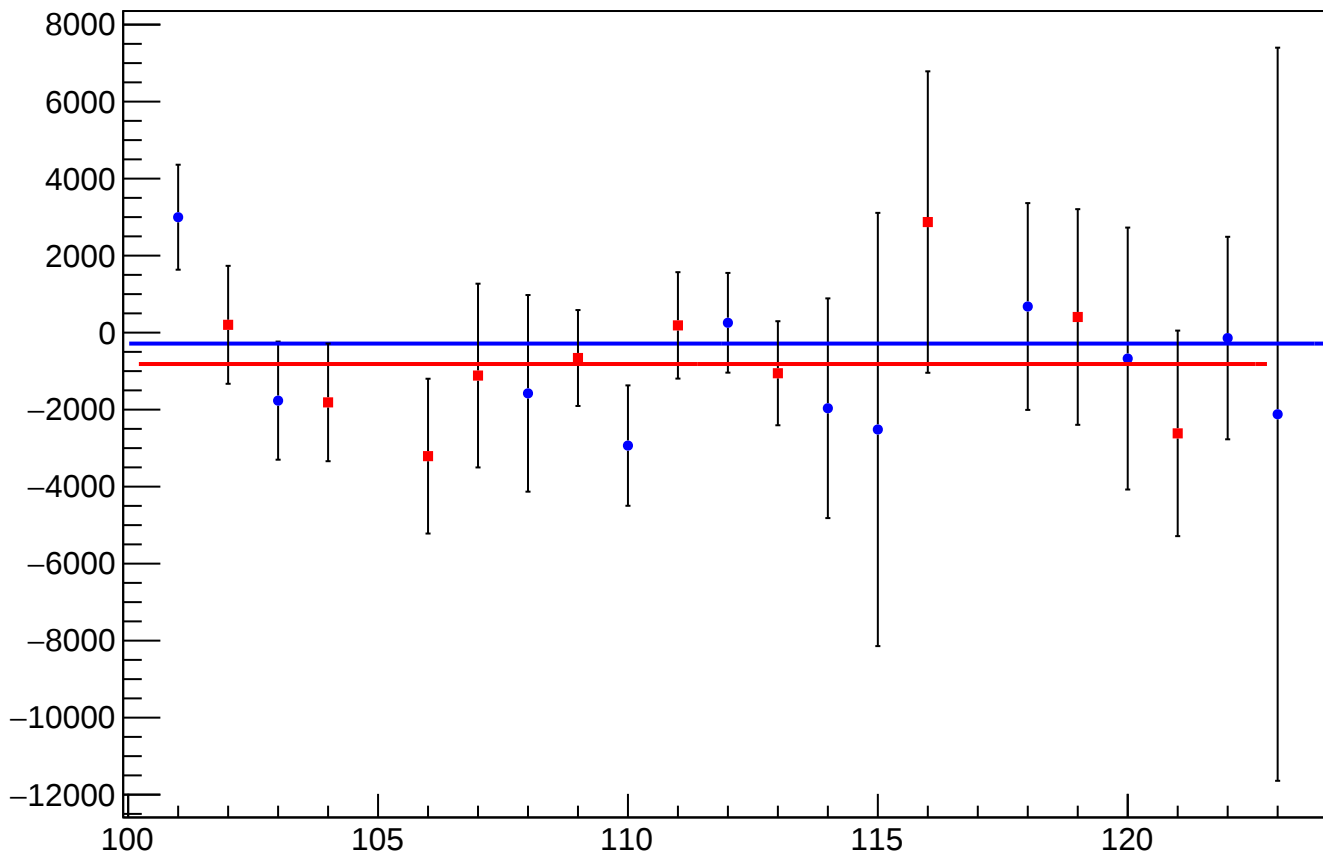
Right: 1129.954+/-0.292  $\chi^2/\text{NDF}$ : 1218126.2/20

In: 1184.090+/-0.442  $\chi^2/\text{NDF}$ :581138.7/10

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

All: 1129.954+/-0.292  $\chi^2/\text{NDF}$ : 1218126.2/20

# asym\_sam\_48\_avg\_mean vs Slug, Sign Corrected



Right In: -284.676+/-613.501  $\chi^2/\text{NDF}$ : 10.7/10

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

Right Out: -815.240+/-548.294  $\chi^2/\text{NDF}$ : 4.4/9

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

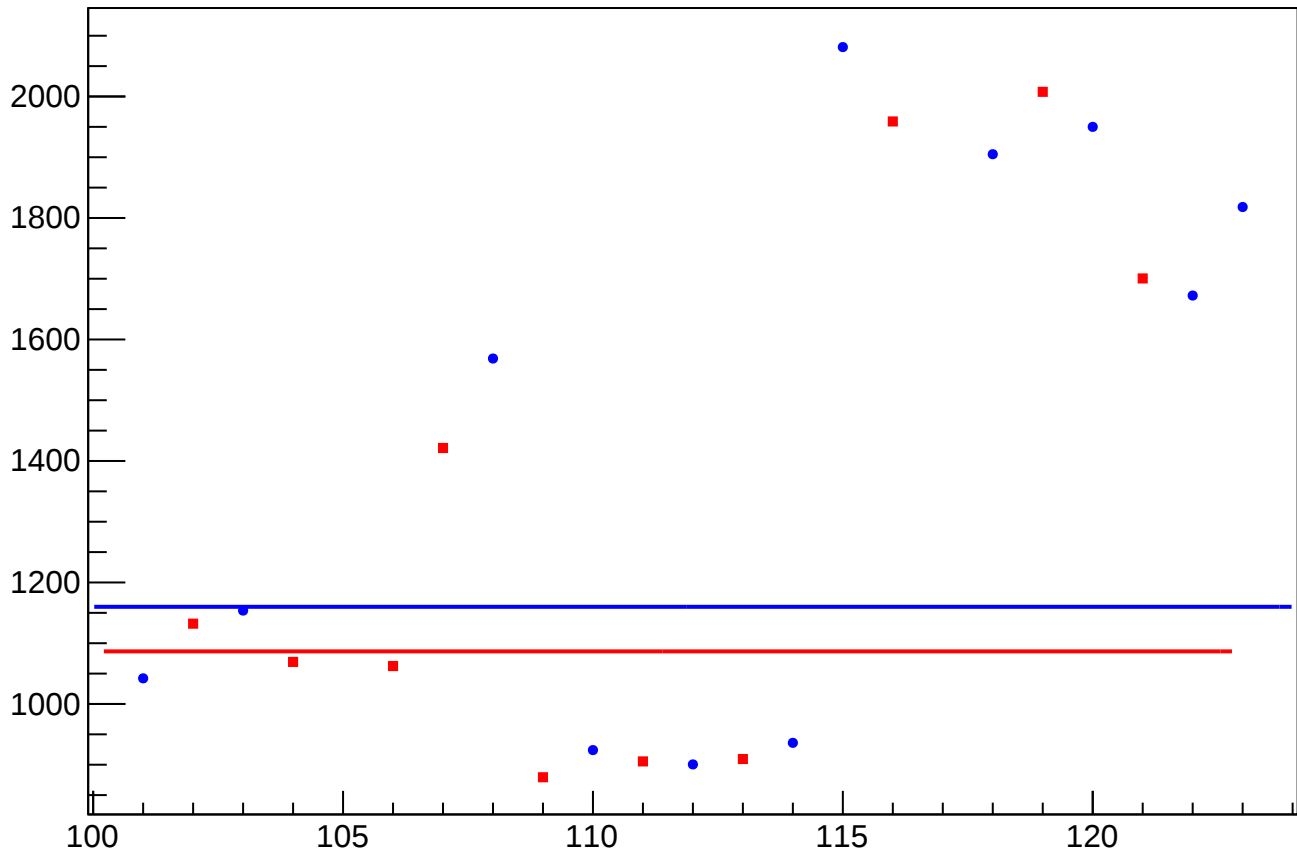
Right: -579.643+/-408.820  $\chi^2/\text{NDF}$ : 15.5/20

In: -284.676+/-613.501  $\chi^2/\text{NDF}$ : 10.7/10

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

All: -579.643+/-408.820  $\chi^2/\text{NDF}$ : 15.5/20

# asym\_sam\_48\_avg\_rms vs Slug, Sign Corrected



Right In: 1159.949+/-0.434  $\chi^2/\text{NDF}$ : 605191.8/10

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

Right Out: 1086.565+/-0.388  $\chi^2/\text{NDF}$ : 587204.4/9

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

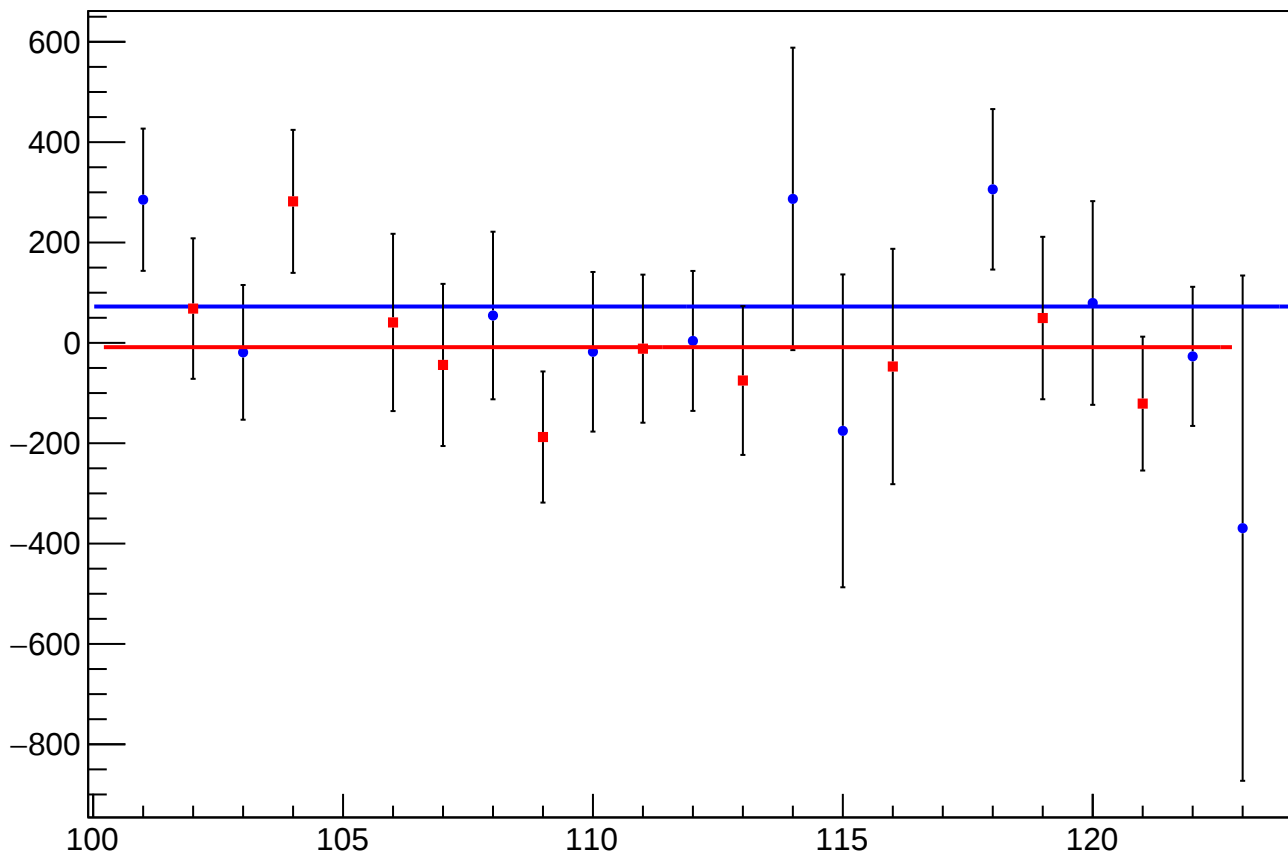
Right: 1119.151+/-0.289  $\chi^2/\text{NDF}$ : 1208305.0/20

In: 1159.949+/-0.434  $\chi^2/\text{NDF}$ : 605191.8/10

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

All: 1119.151+/-0.289  $\chi^2/\text{NDF}$ : 1208305.0/20

dit\_asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In: 72.449+/-51.799  $\chi^2/\text{NDF}$ : 7.8/10

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

Right Out: -8.550+/-48.050  $\chi^2/\text{NDF}$ : 7.5/9

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

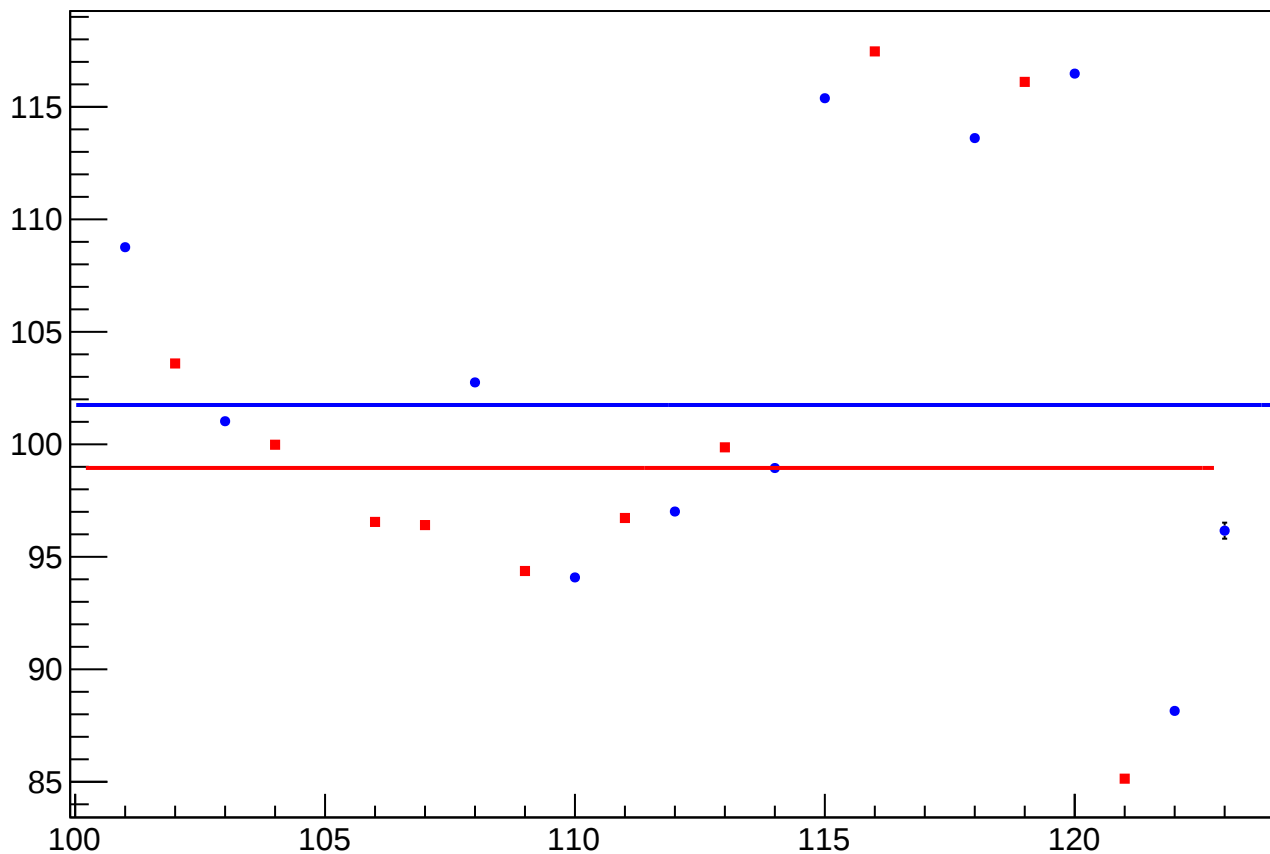
Right: 28.913+/-35.227  $\chi^2/\text{NDF}$ : 16.7/20

In: 72.449+/-51.799  $\chi^2/\text{NDF}$ : 7.8/10

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

All: 28.913+/-35.227  $\chi^2/\text{NDF}$ : 16.7/20

dit\_asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 101.749+/-0.037  $\chi^2/\text{NDF}$ : 56997.5/10

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

Right Out: 98.951+/-0.034  $\chi^2/\text{NDF}$ : 62534.9/9

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

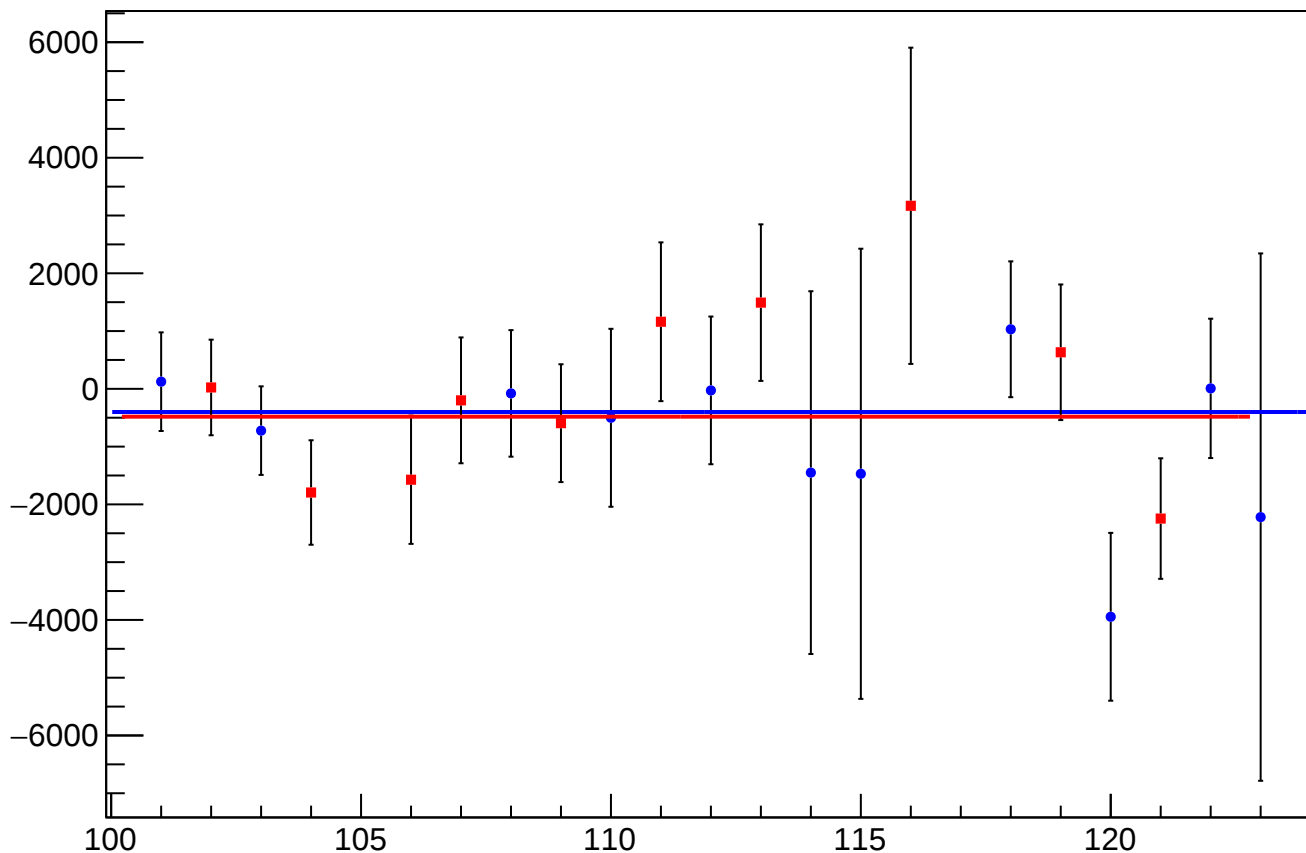
Right: 100.245+/-0.025  $\chi^2/\text{NDF}$ : 122670.0/20

In: 101.749+/-0.037  $\chi^2/\text{NDF}$ : 56997.5/10

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

All: 100.245+/-0.025  $\chi^2/\text{NDF}$ : 122670.0/20

asym\_sam\_15\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -401.068+/-376.844  $\chi^2/\text{NDF}$ : 8.6/10

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

Right Out: -481.795+/-350.234  $\chi^2/\text{NDF}$ : 12.6/9

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

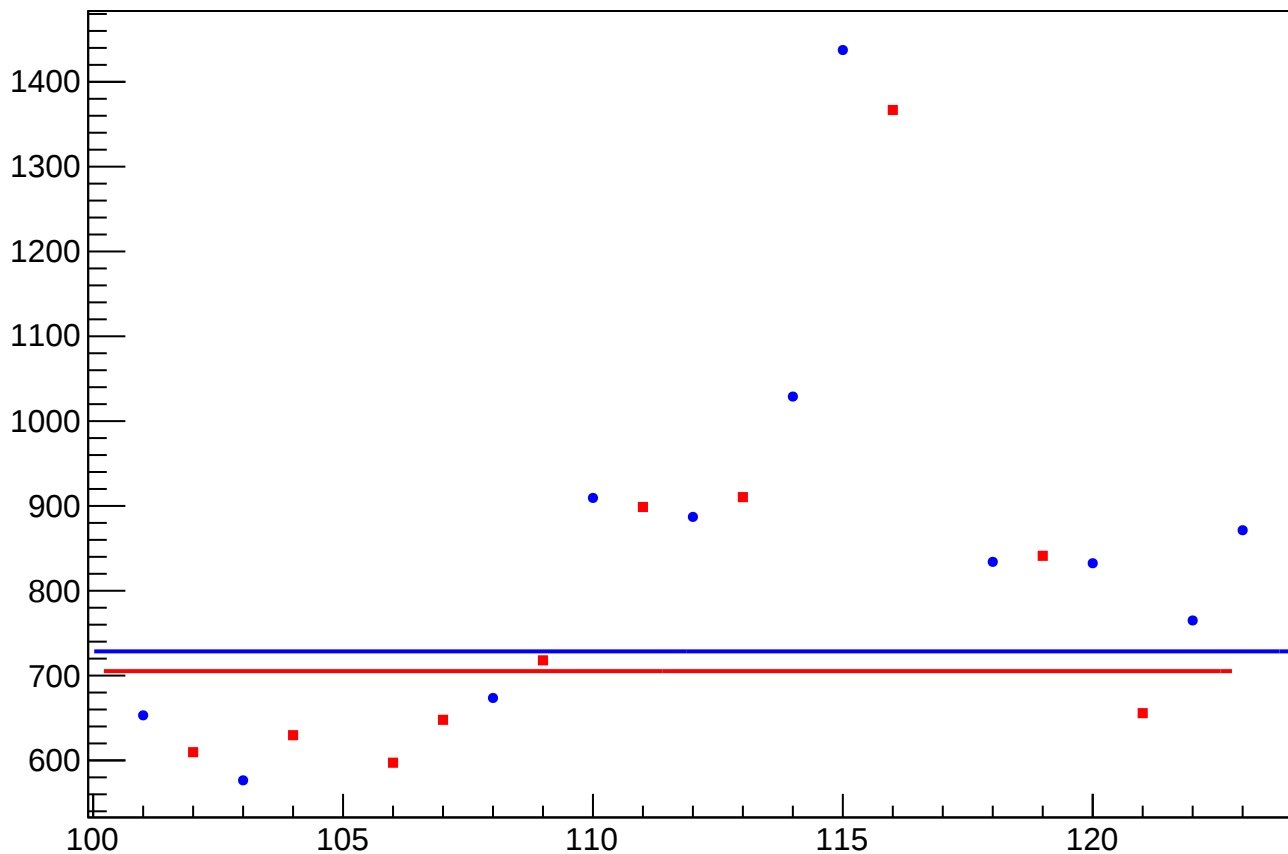
Right: -444.382+/-256.545  $\chi^2/\text{NDF}$ : 21.3/20

In: -401.068+/-376.844  $\chi^2/\text{NDF}$ : 8.6/10

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

All: -444.382+/-256.545  $\chi^2/\text{NDF}$ : 21.3/20

asym\_sam\_15\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 728.533+/-0.266  $\chi^2/\text{NDF}$ : 272367.5/10

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

Right Out: 705.248+/-0.248  $\chi^2/\text{NDF}$ : 299097.6/9

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

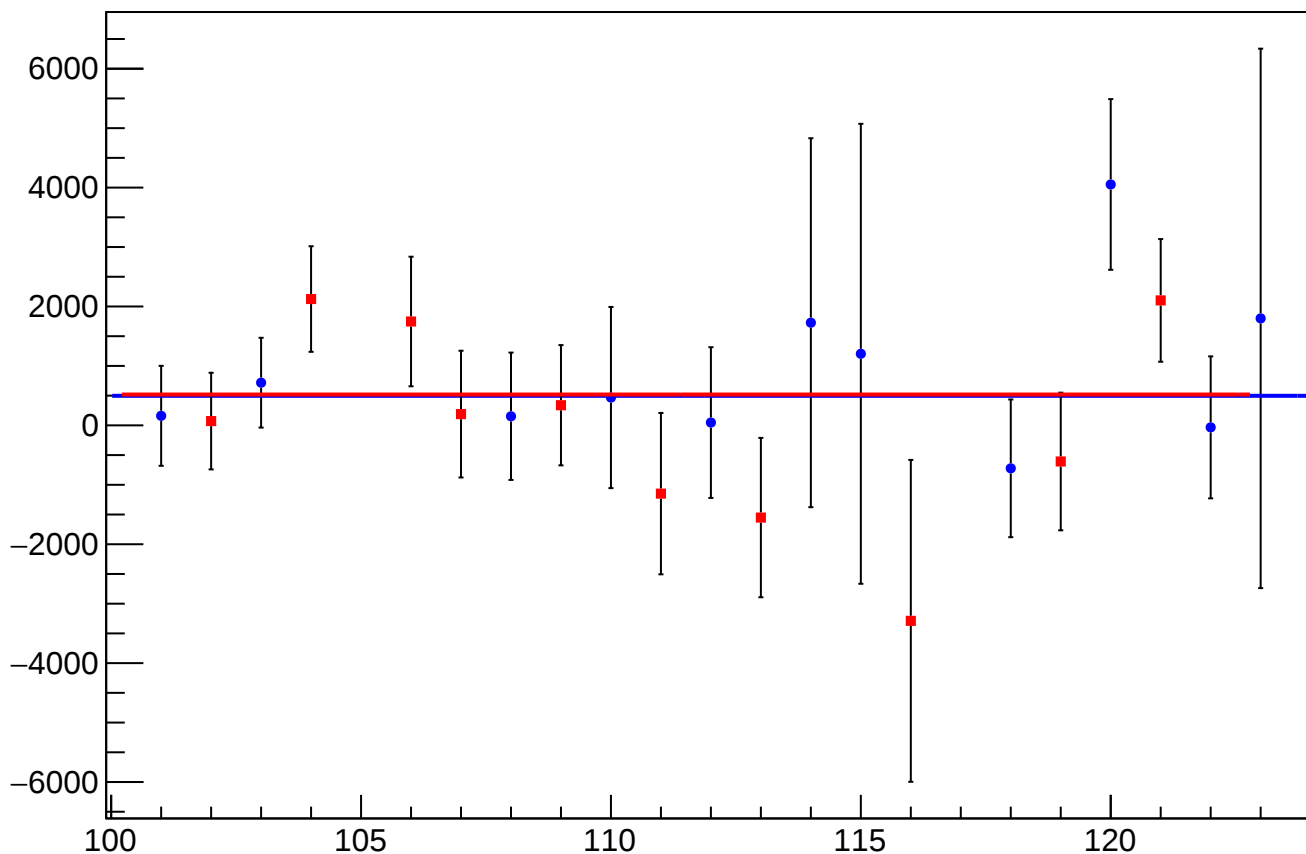
Right: 716.039+/-0.181  $\chi^2/\text{NDF}$ : 575562.0/20

In: 728.533+/-0.266  $\chi^2/\text{NDF}$ : 272367.5/10

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

All: 716.039+/-0.181  $\chi^2/\text{NDF}$ : 575562.0/20

# asym\_sam\_15\_dd\_mean vs Slug, Sign Corrected



Right In: 497.153+/-371.575  $\chi^2/\text{NDF}$ : 8.2/10

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

Right Out: 518.738+/-345.012  $\chi^2/\text{NDF}$ : 14.1/9

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

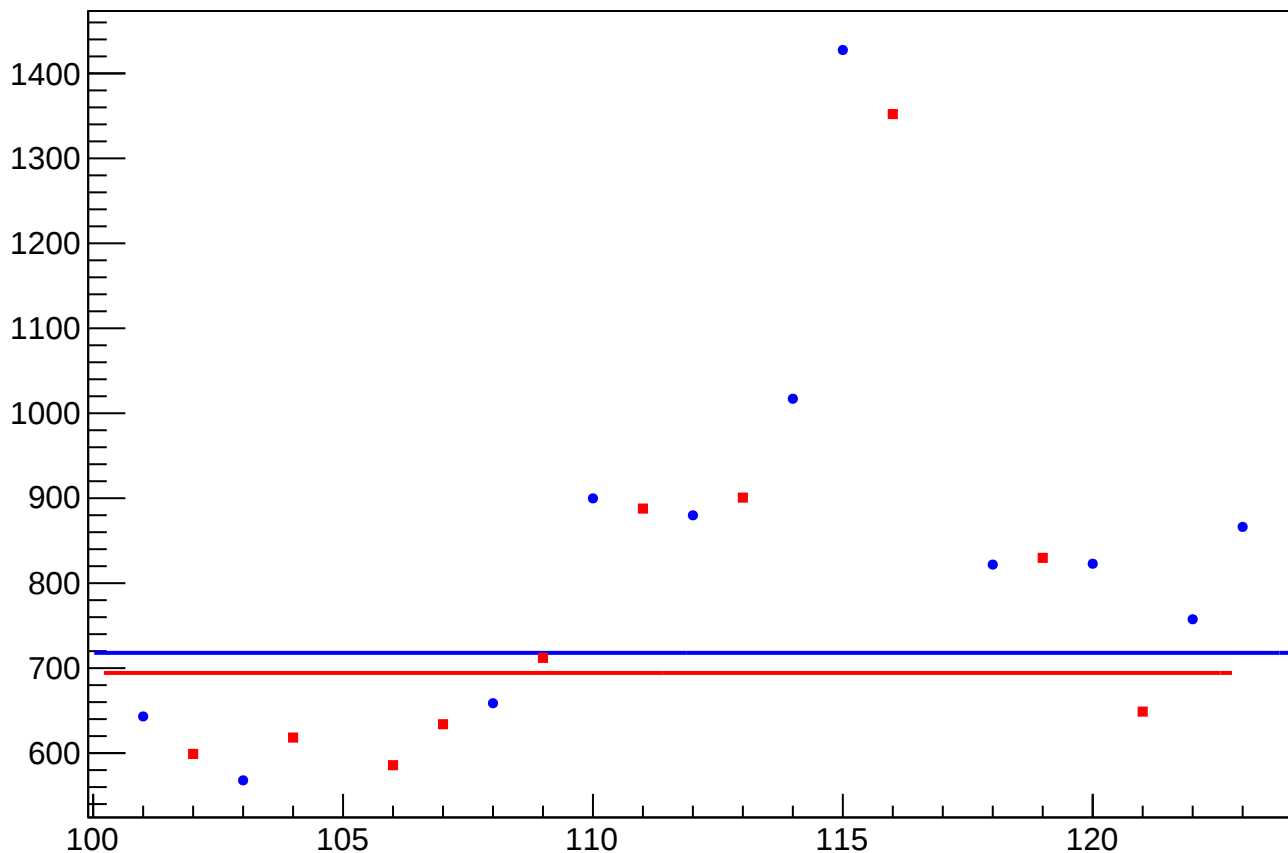
Right: 508.745+/-252.830  $\chi^2/\text{NDF}$ : 22.3/20

In: 497.153+/-371.575  $\chi^2/\text{NDF}$ : 8.2/10

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

All: 508.745+/-252.830  $\chi^2/\text{NDF}$ : 22.3/20

# asym\_sam\_15\_dd\_rms vs Slug, Sign Corrected



Right In: 717.993+/-0.263  $\chi^2/\text{NDF}$ : 278948.3/10

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

Right Out: 694.356+/-0.244  $\chi^2/\text{NDF}$ : 306356.8/9

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

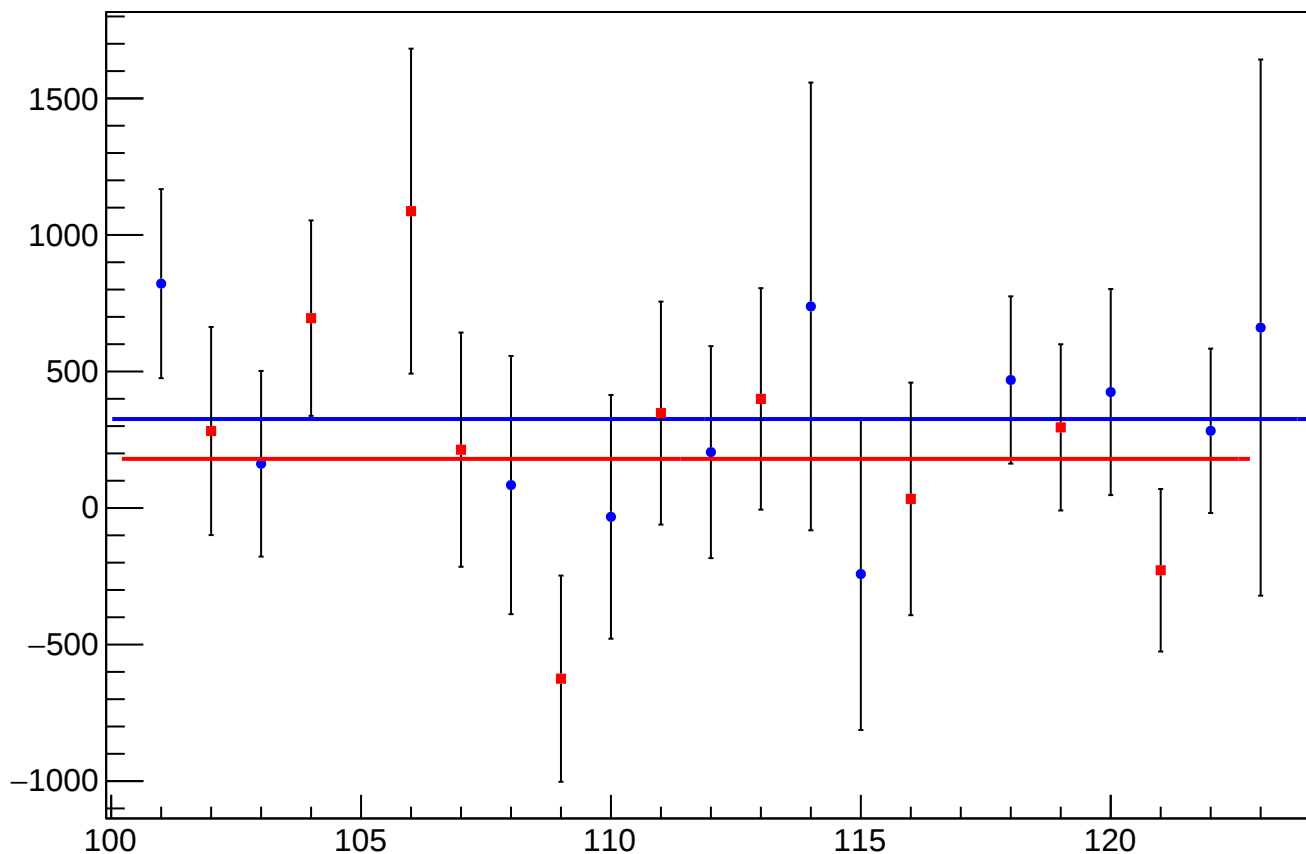
Right: 705.300+/-0.179  $\chi^2/\text{NDF}$ : 589651.0/20

In: 717.993+/-0.263  $\chi^2/\text{NDF}$ : 278948.3/10

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

All: 705.300+/-0.179  $\chi^2/\text{NDF}$ : 589651.0/20

dit\_asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 325.908 $\pm$ 121.761  $\chi^2$ /NDF: 5.0/10

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

Right Out: 179.994 $\pm$ 119.814  $\chi^2$ /NDF: 11.6/9

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

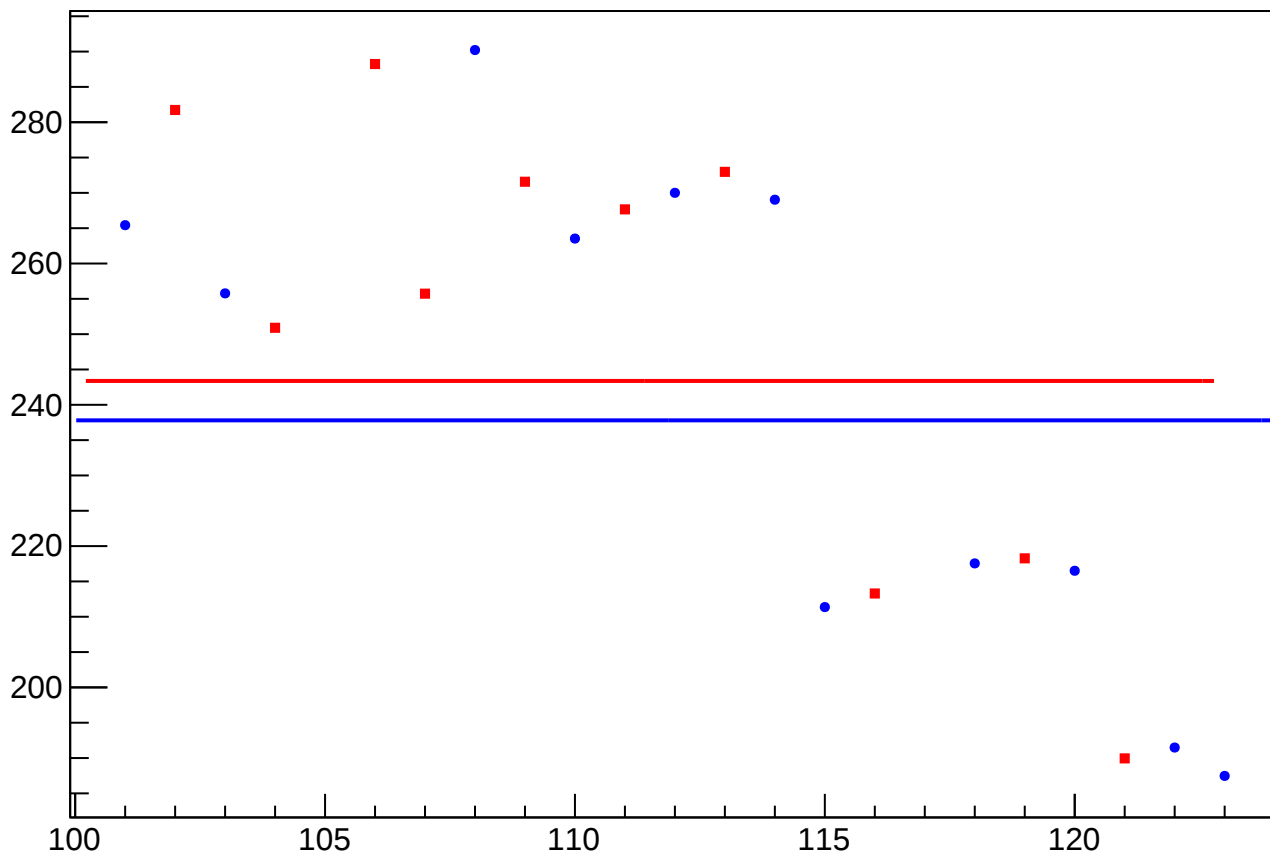
Right: 251.775 $\pm$ 85.401  $\chi^2$ /NDF: 17.3/20

In: 325.908 $\pm$ 121.761  $\chi^2$ /NDF:5.0/10

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

All: 251.775 $\pm$ 85.401  $\chi^2$ /NDF: 17.3/20

dit\_asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 237.801+/-0.086  $\chi^2/\text{NDF}$ : 138255.2/10

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

Right Out: 243.378+/-0.085  $\chi^2/\text{NDF}$ : 151137.8/9

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

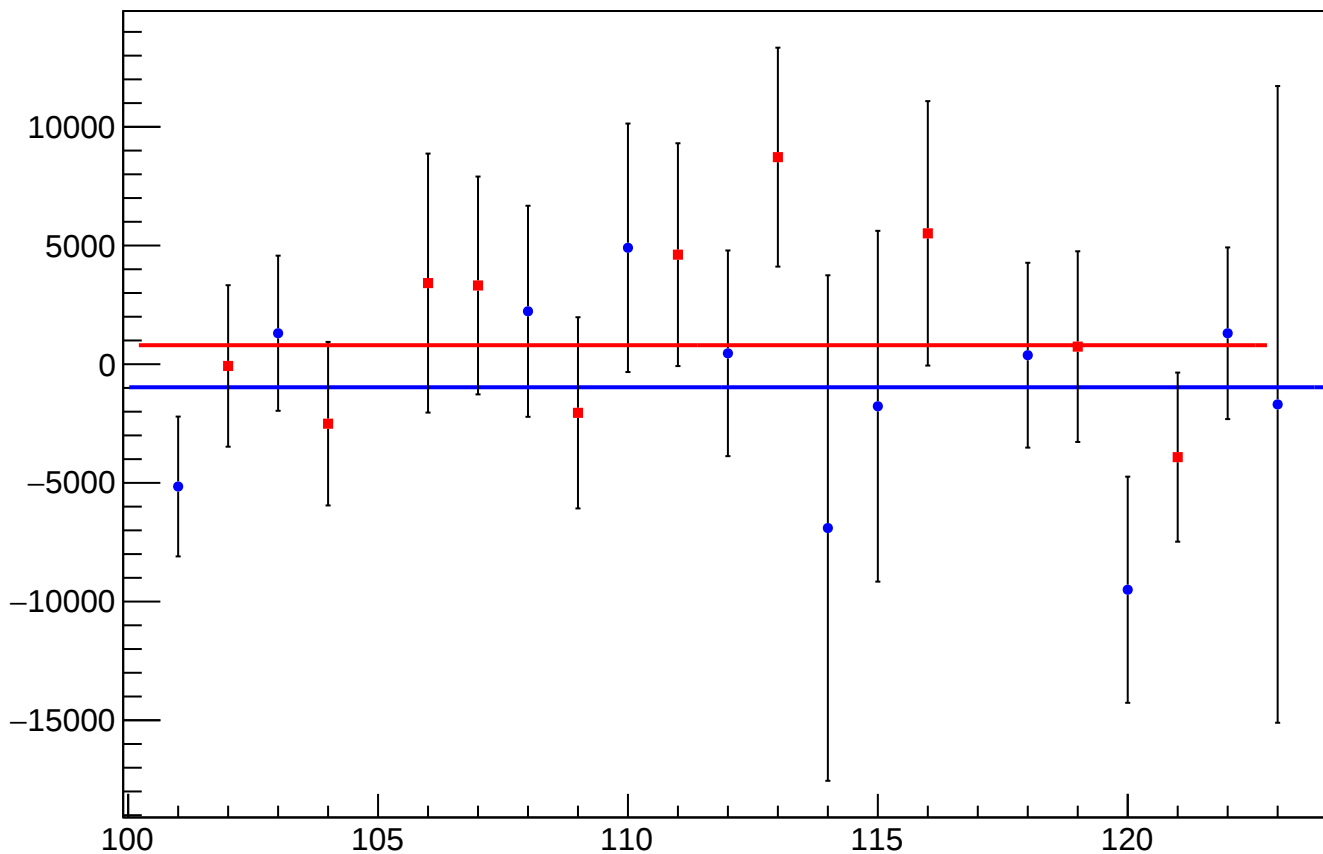
Right: 240.635+/-0.060  $\chi^2/\text{NDF}$ : 291524.8/20

In: 237.801+/-0.086  $\chi^2/\text{NDF}$ : 138255.2/10

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

All: 240.635+/-0.060  $\chi^2/\text{NDF}$ : 291524.8/20

asym\_sam\_26\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -971.284+/-1326.320  $\chi^2/\text{NDF}$ : 8.4/10

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

Right Out: 800.133+/-1314.370  $\chi^2/\text{NDF}$ : 8.1/9

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

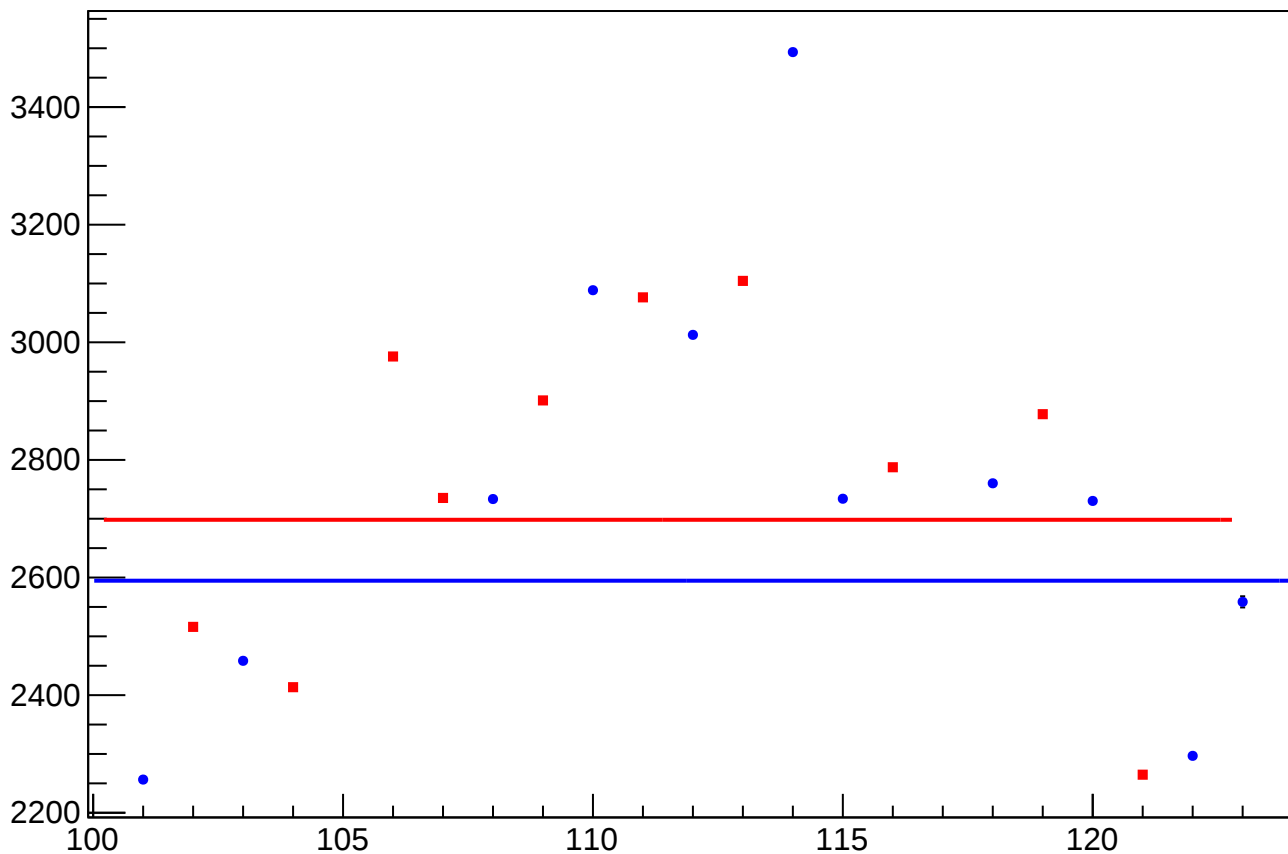
Right: -77.560+/-933.596  $\chi^2/\text{NDF}$ : 17.4/20

In: -971.284+/-1326.320  $\chi^2/\text{NDF}$ : 8.4/10

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

All: -77.560+/-933.596  $\chi^2/\text{NDF}$ : 17.4/20

asym\_sam\_26\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 2594.607+/-0.938  $\chi^2/\text{NDF}$ : 102009.3/10

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

Right Out: 2698.201+/-0.929  $\chi^2/\text{NDF}$ : 92410.9/9

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

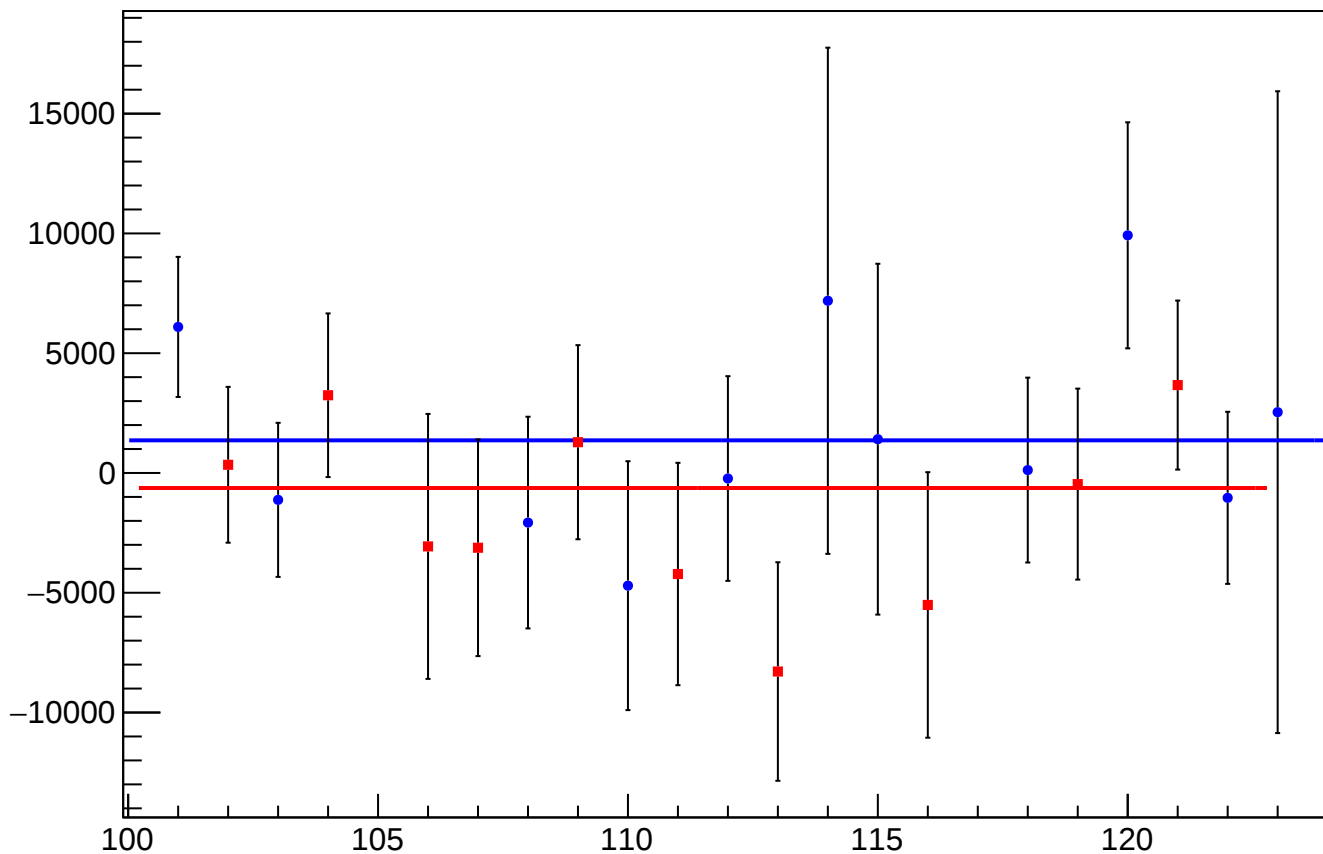
Right: 2646.873+/-0.660  $\chi^2/\text{NDF}$ : 200576.0/20

In: 2594.607+/-0.938  $\chi^2/\text{NDF}$ : 102009.3/10

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

All: 2646.873+/-0.660  $\chi^2/\text{NDF}$ : 200576.0/20

# asym\_sam\_26\_dd\_mean vs Slug, Sign Corrected



Right In: 1362.256+/-1313.737  $\chi^2/\text{NDF}$ : 9.5/10

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

Right Out: -627.542+/-1298.595  $\chi^2/\text{NDF}$ : 7.8/9

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

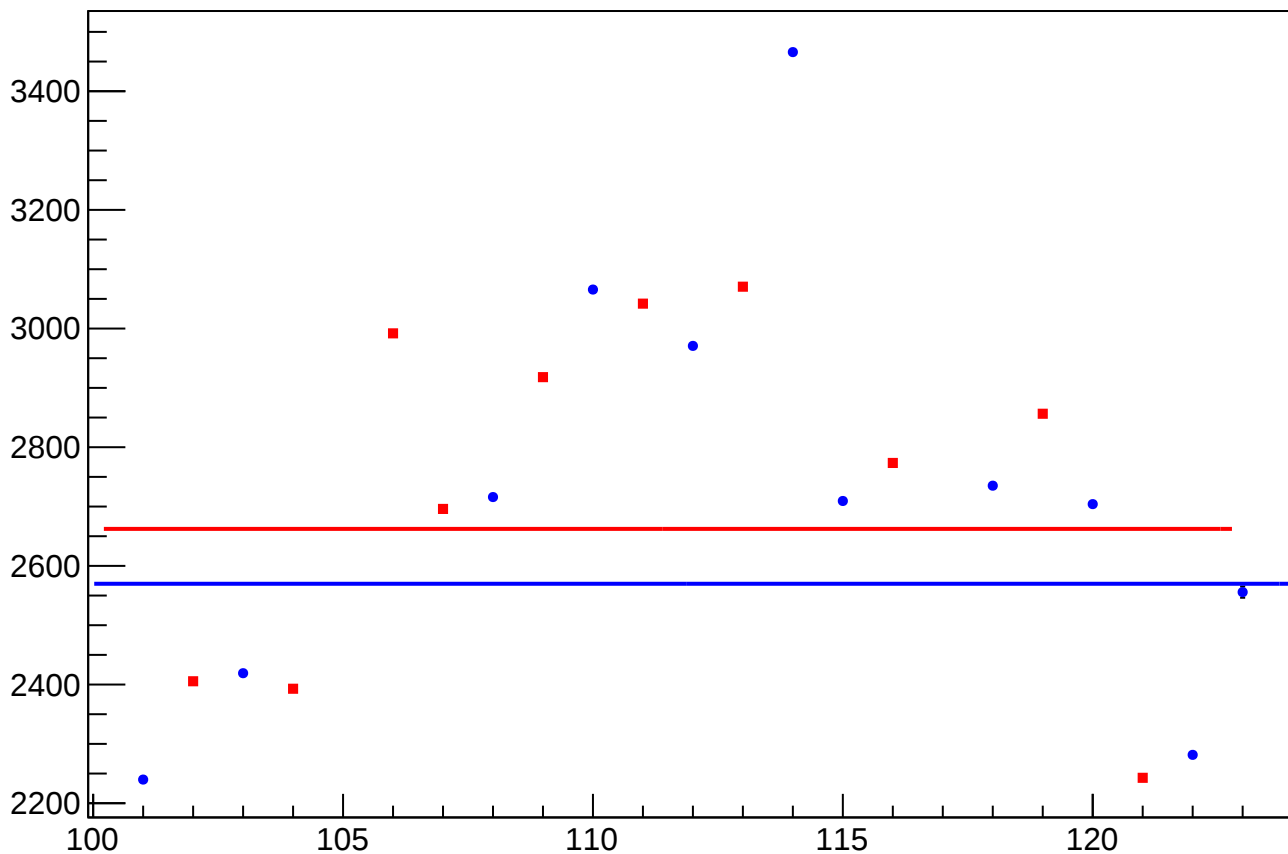
Right: 355.825+/-923.552  $\chi^2/\text{NDF}$ : 18.4/20

In: 1362.256+/-1313.737  $\chi^2/\text{NDF}$ : 9.5/10

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

All: 355.825+/-923.552  $\chi^2/\text{NDF}$ : 18.4/20

# asym\_sam\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 2569.857+/-0.929  $\chi^2/\text{NDF}$ : 101168.9/10

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

Right Out: 2662.348+/-0.918  $\chi^2/\text{NDF}$ : 103309.5/9

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

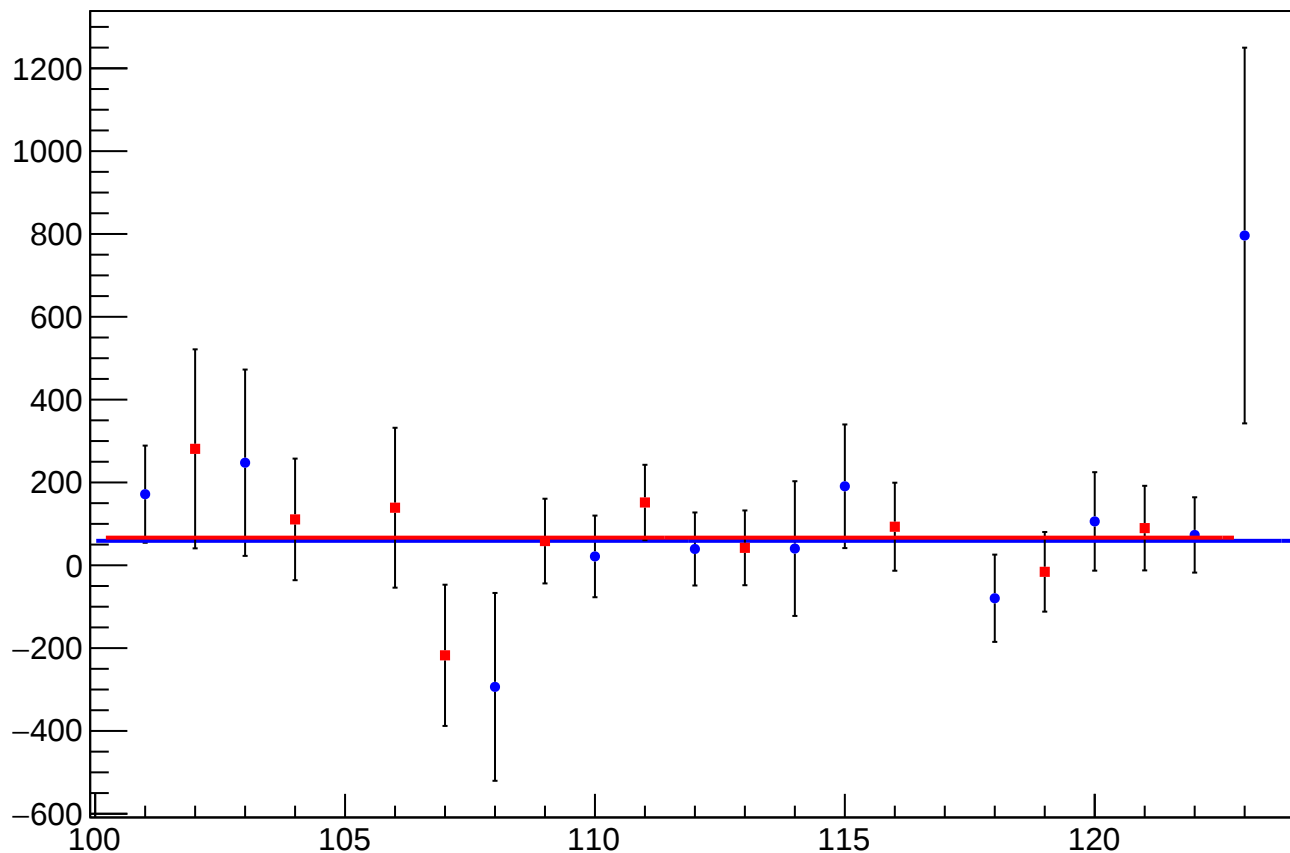
Right: 2616.639+/-0.653  $\chi^2/\text{NDF}$ : 209492.5/20

In: 2569.857+/-0.929  $\chi^2/\text{NDF}$ : 101168.9/10

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

All: 2616.639+/-0.653  $\chi^2/\text{NDF}$ : 209492.5/20

dit\_asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 59.048+/-37.458  $\chi^2/\text{NDF}$ : 9.6/10

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

Right Out: 66.739+/-36.354  $\chi^2/\text{NDF}$ : 5.6/9

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

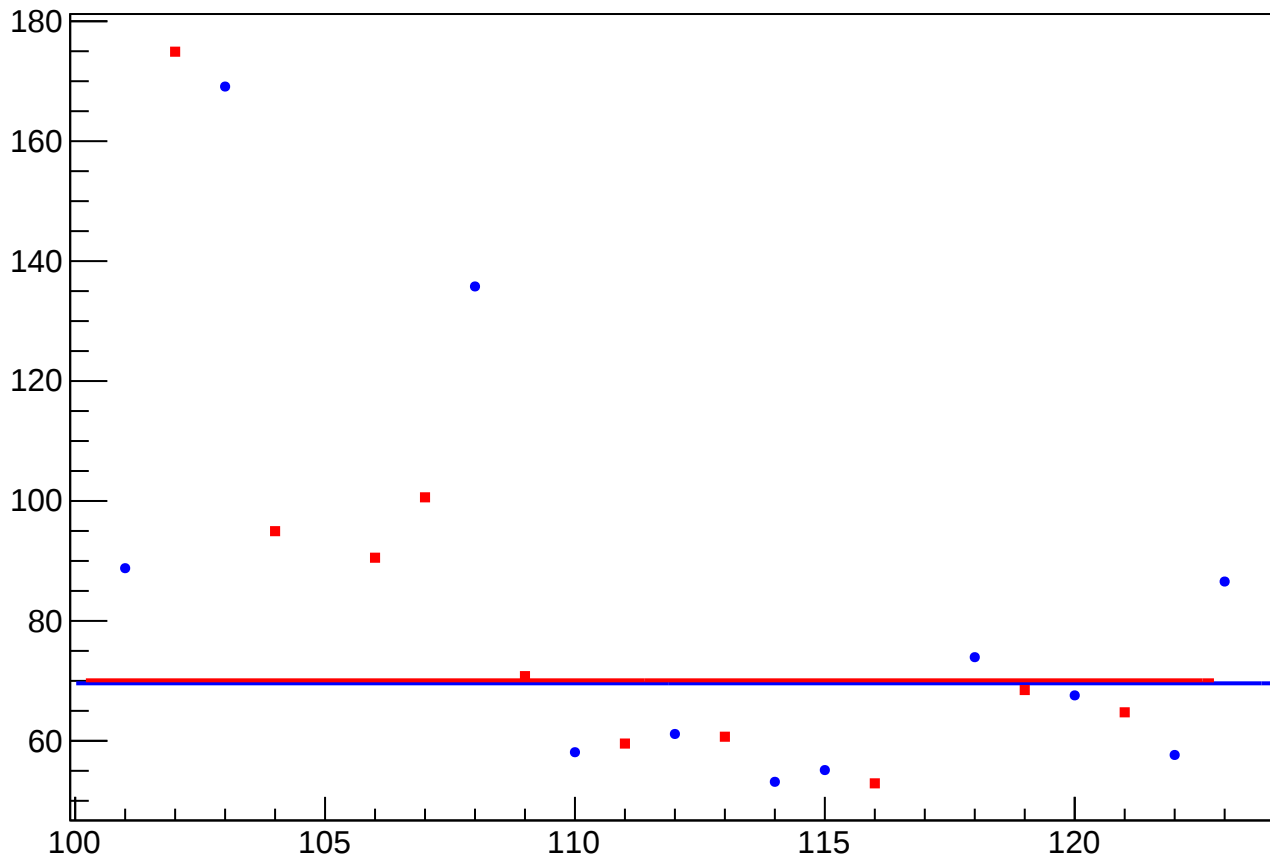
Right: 63.009+/-26.088  $\chi^2/\text{NDF}$ : 15.2/20

In: 59.048+/-37.458  $\chi^2/\text{NDF}$ : 9.6/10

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

All: 63.009+/-26.088  $\chi^2/\text{NDF}$ : 15.2/20

dit\_asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 69.593+/-0.026  $\chi^2/\text{NDF}$ : 741355.2/10

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

Right Out: 70.092+/-0.026  $\chi^2/\text{NDF}$ : 631566.0/9

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

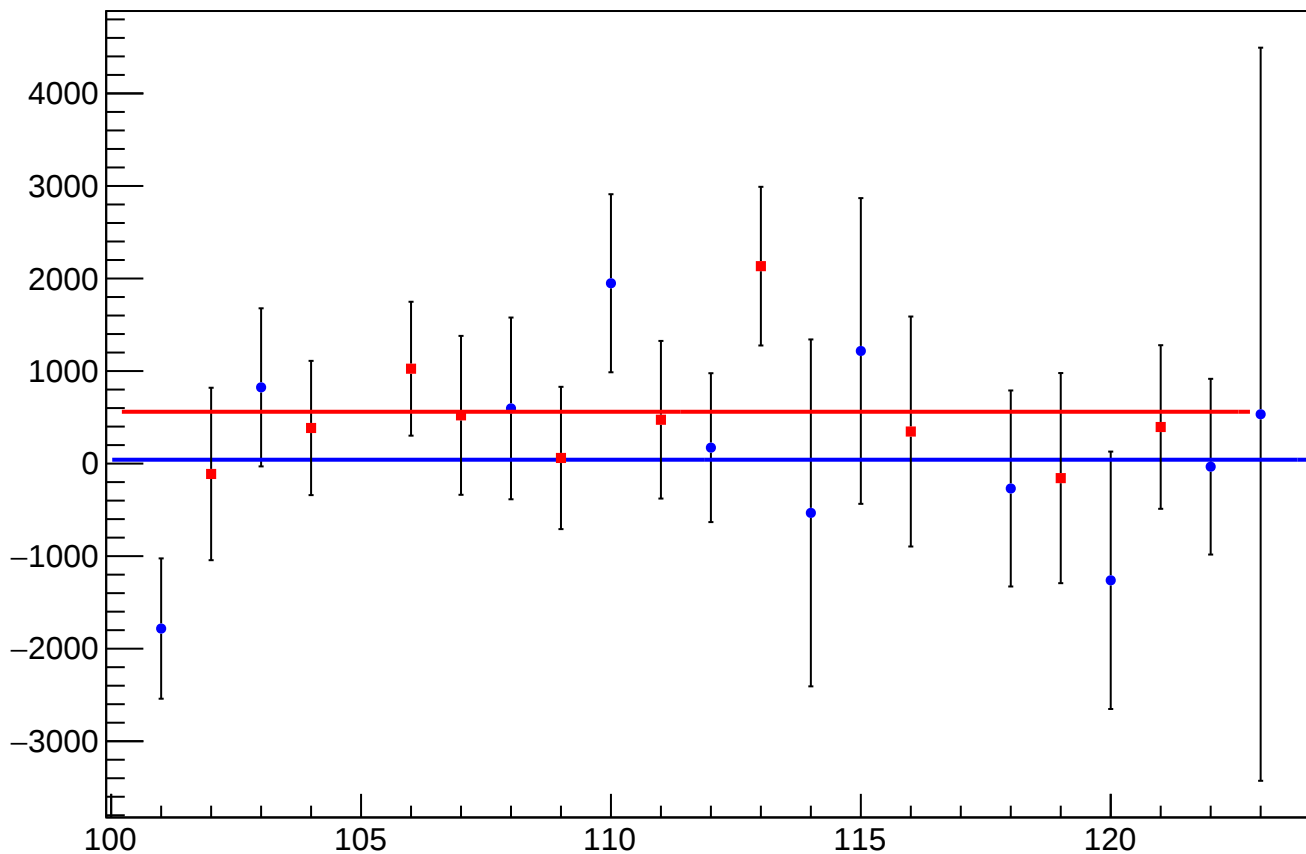
Right: 69.850+/-0.018  $\chi^2/\text{NDF}$ : 1373104.7/20

In: 69.593+/-0.026  $\chi^2/\text{NDF}$ : 741355.2/10

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

All: 69.850+/-0.018  $\chi^2/\text{NDF}$ : 1373104.7/20

asym\_sam\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 41.814+/-316.143  $\chi^2/\text{NDF}$ : 12.5/10

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

Right Out: 560.165+/-272.626  $\chi^2/\text{NDF}$ : 5.3/9

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

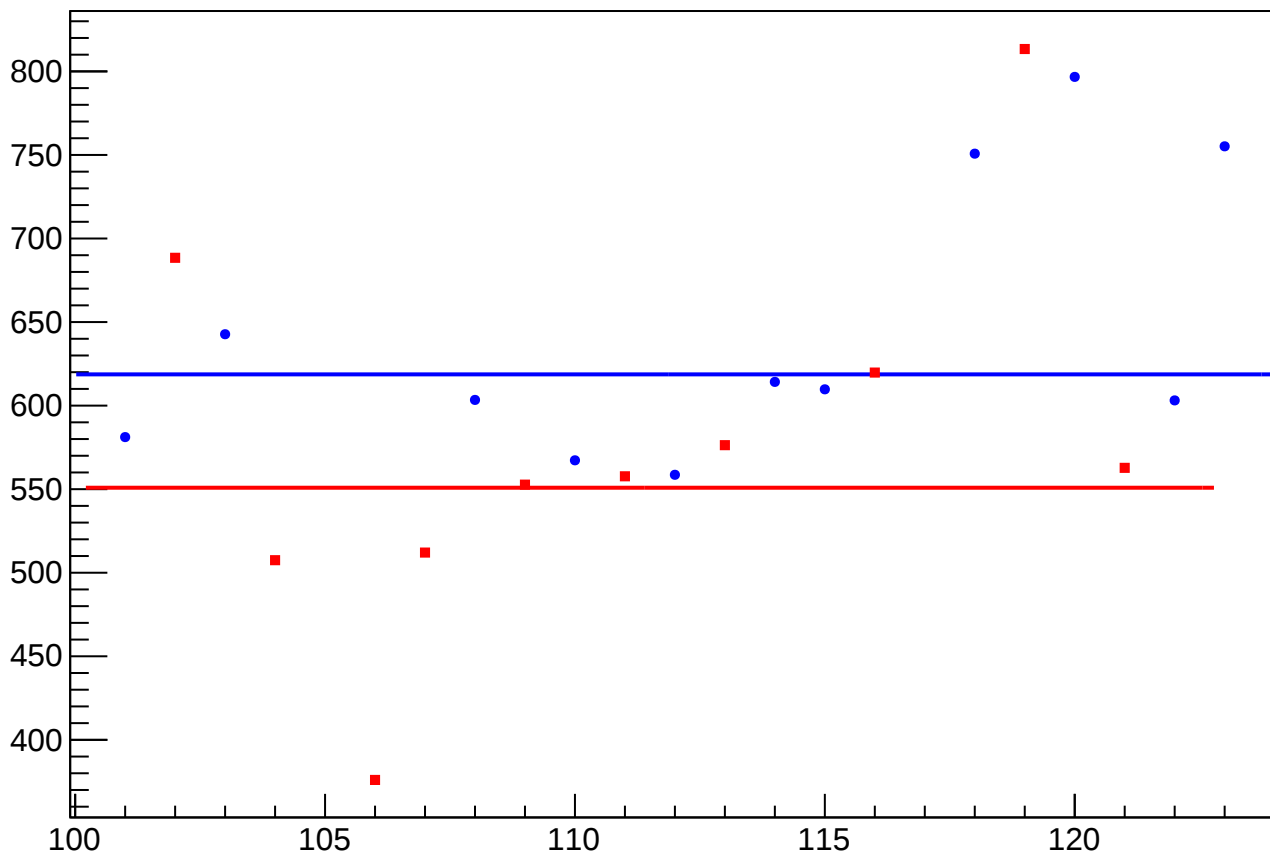
Right: 339.094+/-206.461  $\chi^2/\text{NDF}$ : 19.3/20

In: 41.814+/-316.143  $\chi^2/\text{NDF}$ : 12.5/10

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

All: 339.094+/-206.461  $\chi^2/\text{NDF}$ : 19.3/20

asym\_sam\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 618.700 $\pm$ 0.224  $\chi^2$ /NDF: 90695.1/10

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

Right Out: 550.869 $\pm$ 0.193  $\chi^2$ /NDF: 287051.8/9

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

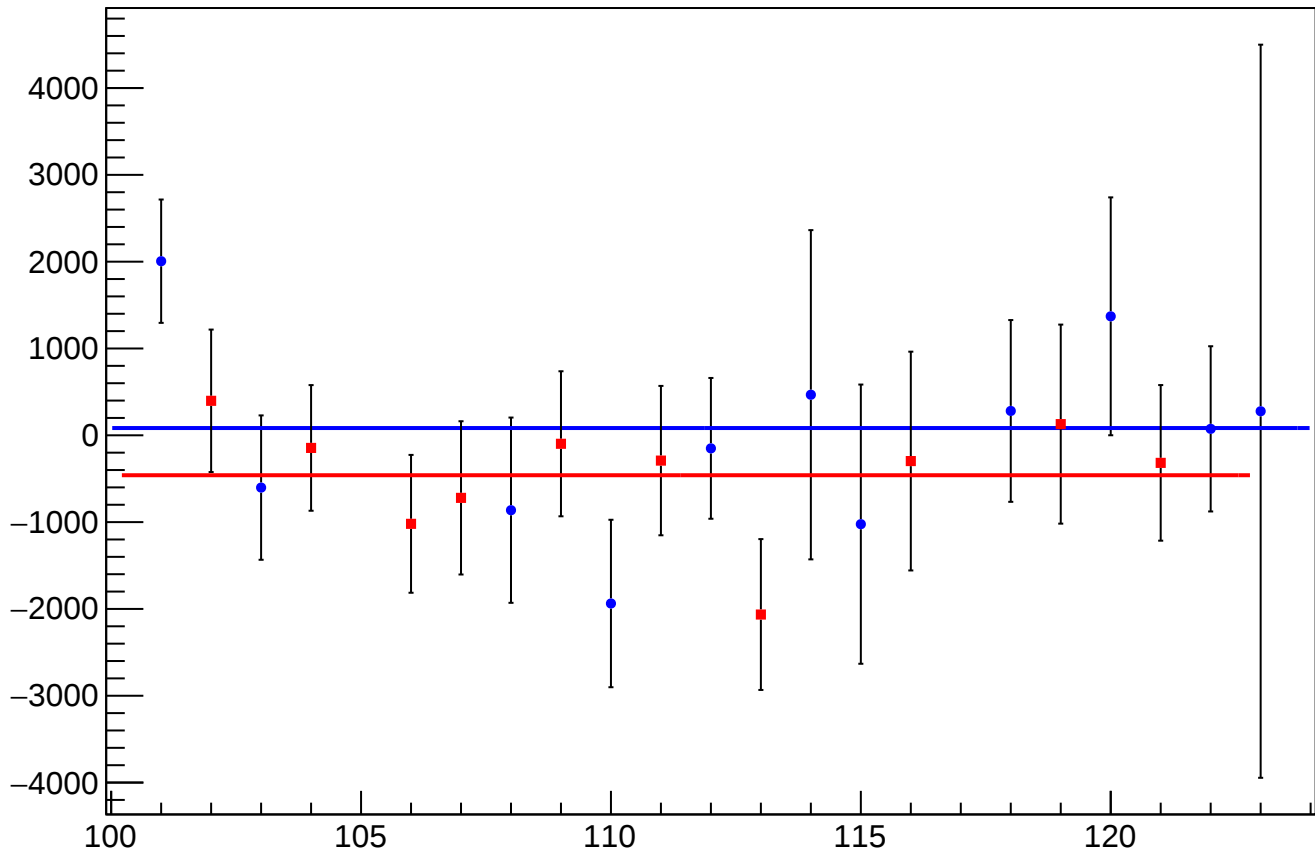
Right: 579.798 $\pm$ 0.146  $\chi^2$ /NDF: 430550.2/20

In: 618.700 $\pm$ 0.224  $\chi^2$ /NDF:90695.1/10

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

All: 579.798 $\pm$ 0.146  $\chi^2$ /NDF: 430550.2/20

# asym\_sam\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 83.696+/-313.535  $\chi^2/\text{NDF}$ : 14.7/10

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

Right Out: -459.903+/-277.253  $\chi^2/\text{NDF}$ : 5.8/9

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

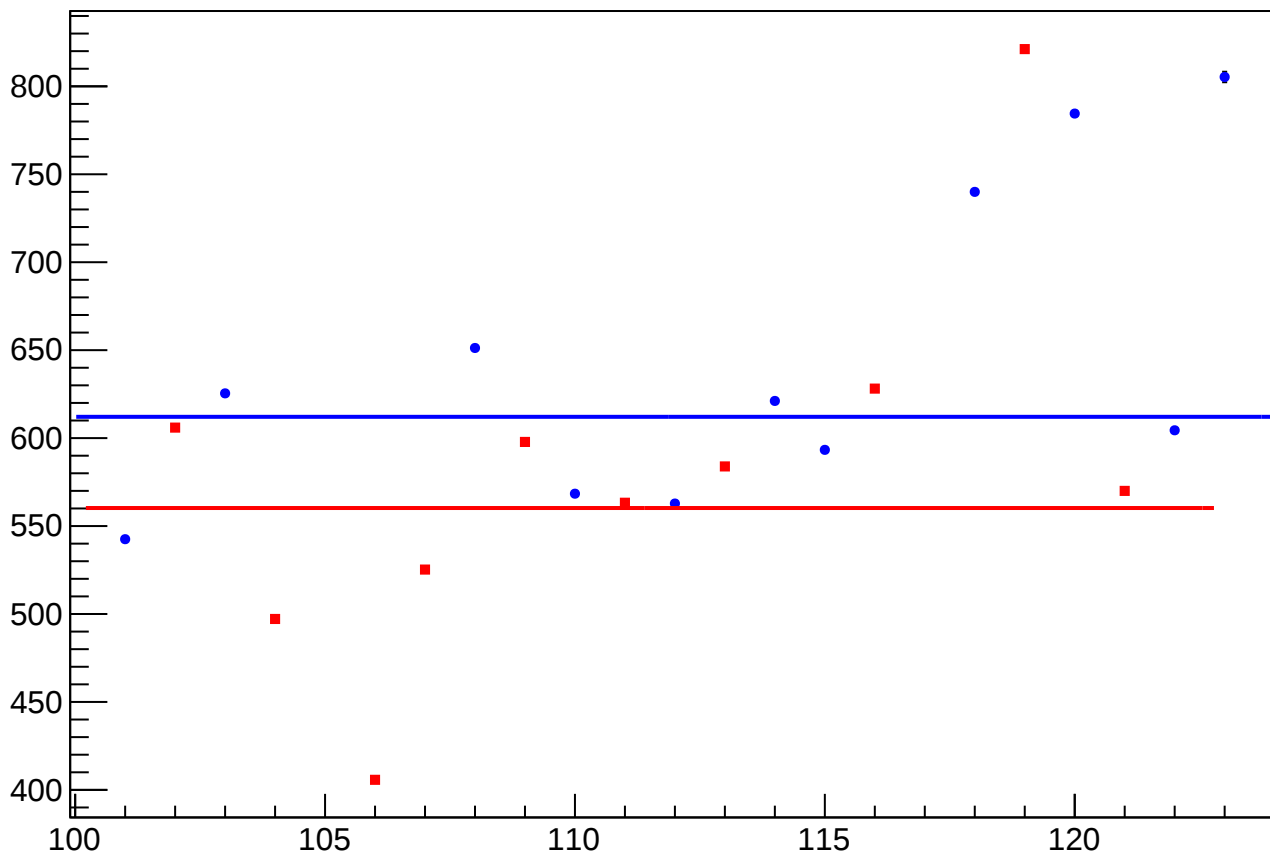
Right: -221.362+/-207.696  $\chi^2/\text{NDF}$ : 22.2/20

In: 83.696+/-313.535  $\chi^2/\text{NDF}$ : 14.7/10

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

All: -221.362+/-207.696  $\chi^2/\text{NDF}$ : 22.2/20

# asym\_sam\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 612.106+/-0.222  $\chi^2/\text{NDF}$ : 100039.6/10

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

Right Out: 560.255+/-0.196  $\chi^2/\text{NDF}$ : 215507.9/9

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

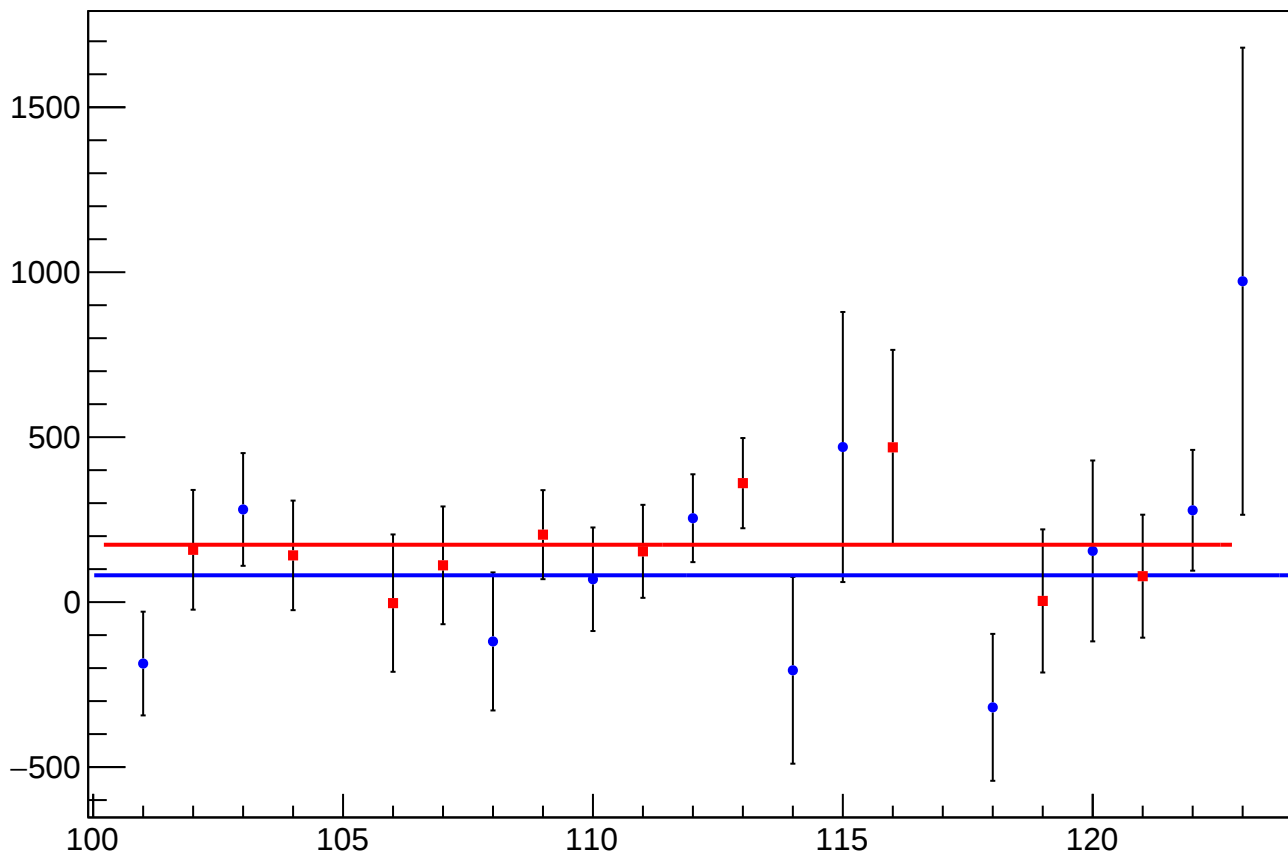
Right: 583.008+/-0.147  $\chi^2/\text{NDF}$ : 346243.0/20

In: 612.106+/-0.222  $\chi^2/\text{NDF}$ : 100039.6/10

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

All: 583.008+/-0.147  $\chi^2/\text{NDF}$ : 346243.0/20

dit\_asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 81.327+/-59.938  $\chi^2/\text{NDF}$ : 14.9/10

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

Right Out: 173.934+/-54.122  $\chi^2/\text{NDF}$ : 4.7/9

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

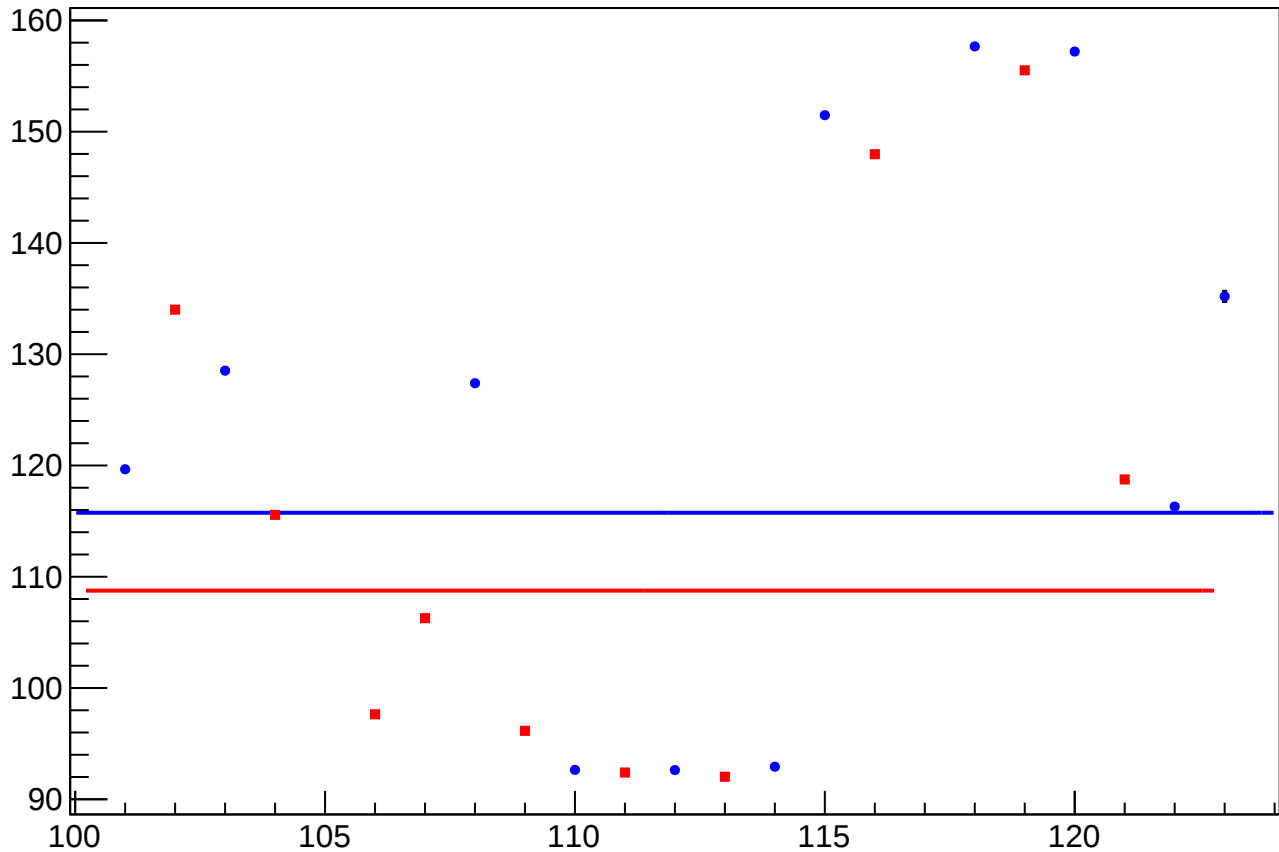
Right: 132.341+/-40.170  $\chi^2/\text{NDF}$ : 20.9/20

In: 81.327+/-59.938  $\chi^2/\text{NDF}$ : 14.9/10

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

All: 132.341+/-40.170  $\chi^2/\text{NDF}$ : 20.9/20

dit\_asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 115.752 $\pm$ 0.042  $\chi^2$ /NDF: 268670.7/10

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

Right Out: 108.754 $\pm$ 0.038  $\chi^2$ /NDF: 256428.2/9

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

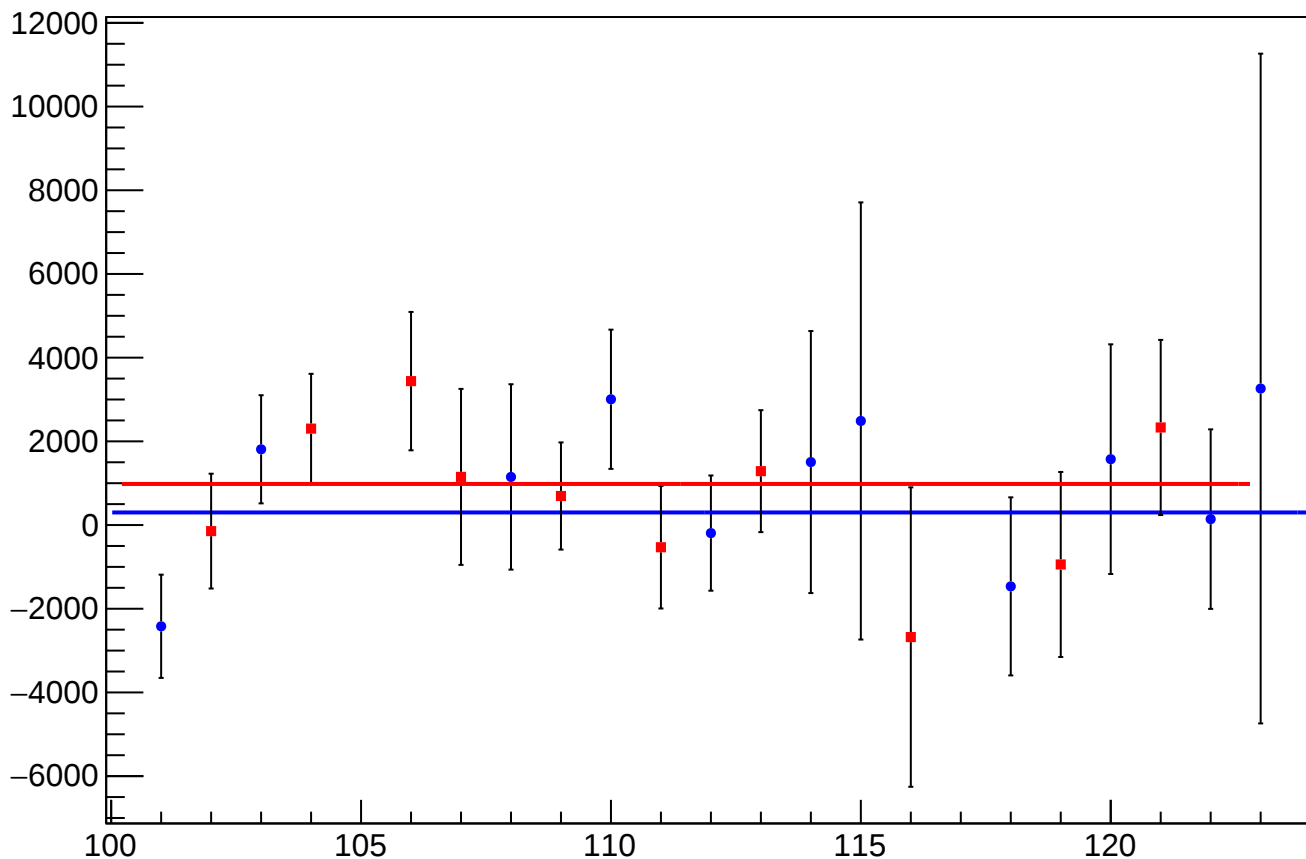
Right: 111.897 $\pm$ 0.028  $\chi^2$ /NDF: 540114.2/20

In: 115.752 $\pm$ 0.042  $\chi^2$ /NDF:268670.7/10

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

All: 111.897 $\pm$ 0.028  $\chi^2$ /NDF: 540114.2/20

asym\_sam\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 300.801+/-570.361  $\chi^2/\text{NDF}$ : 10.5/10

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

Right Out: 981.956+/-515.309  $\chi^2/\text{NDF}$ : 7.3/9

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

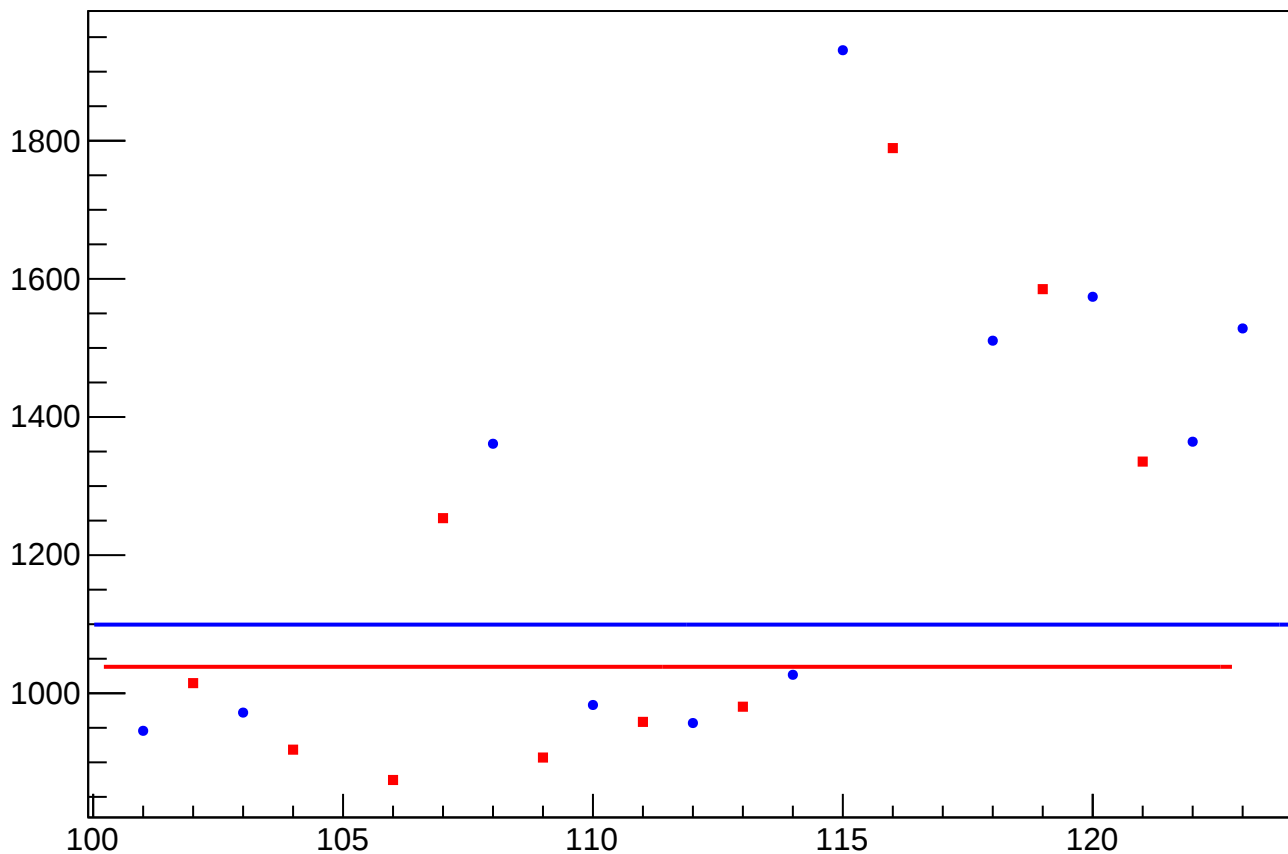
Right: 675.829+/-382.364  $\chi^2/\text{NDF}$ : 18.6/20

In: 300.801+/-570.361  $\chi^2/\text{NDF}$ : 10.5/10

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

All: 675.829+/-382.364  $\chi^2/\text{NDF}$ : 18.6/20

asym\_sam\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1099.415+/-0.403  $\chi^2/\text{NDF}$ : 332181.4/10

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

Right Out: 1038.332+/-0.364  $\chi^2/\text{NDF}$ : 338965.4/9

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

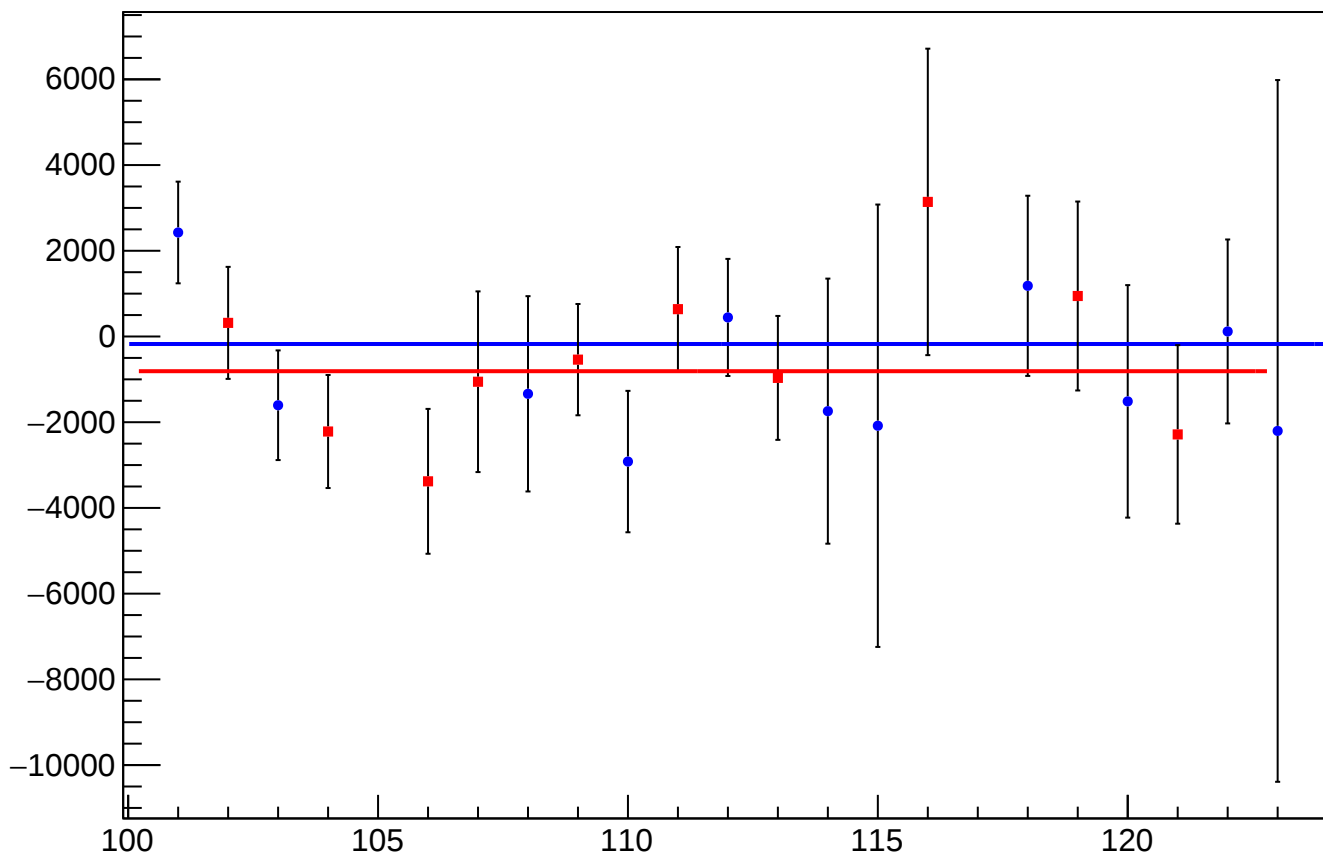
Right: 1065.784+/-0.270  $\chi^2/\text{NDF}$ : 683776.2/20

In: 1099.415+/-0.403  $\chi^2/\text{NDF}$ : 332181.4/10

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

All: 1065.784+/-0.270  $\chi^2/\text{NDF}$ : 683776.2/20

asym\_sam\_48\_dd\_mean vs Slug, Sign Corrected



Right In: -175.396+/-563.079  $\chi^2/\text{NDF}$ : 10.4/10

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

Right Out: -809.845+/-513.204  $\chi^2/\text{NDF}$ : 7.6/9

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

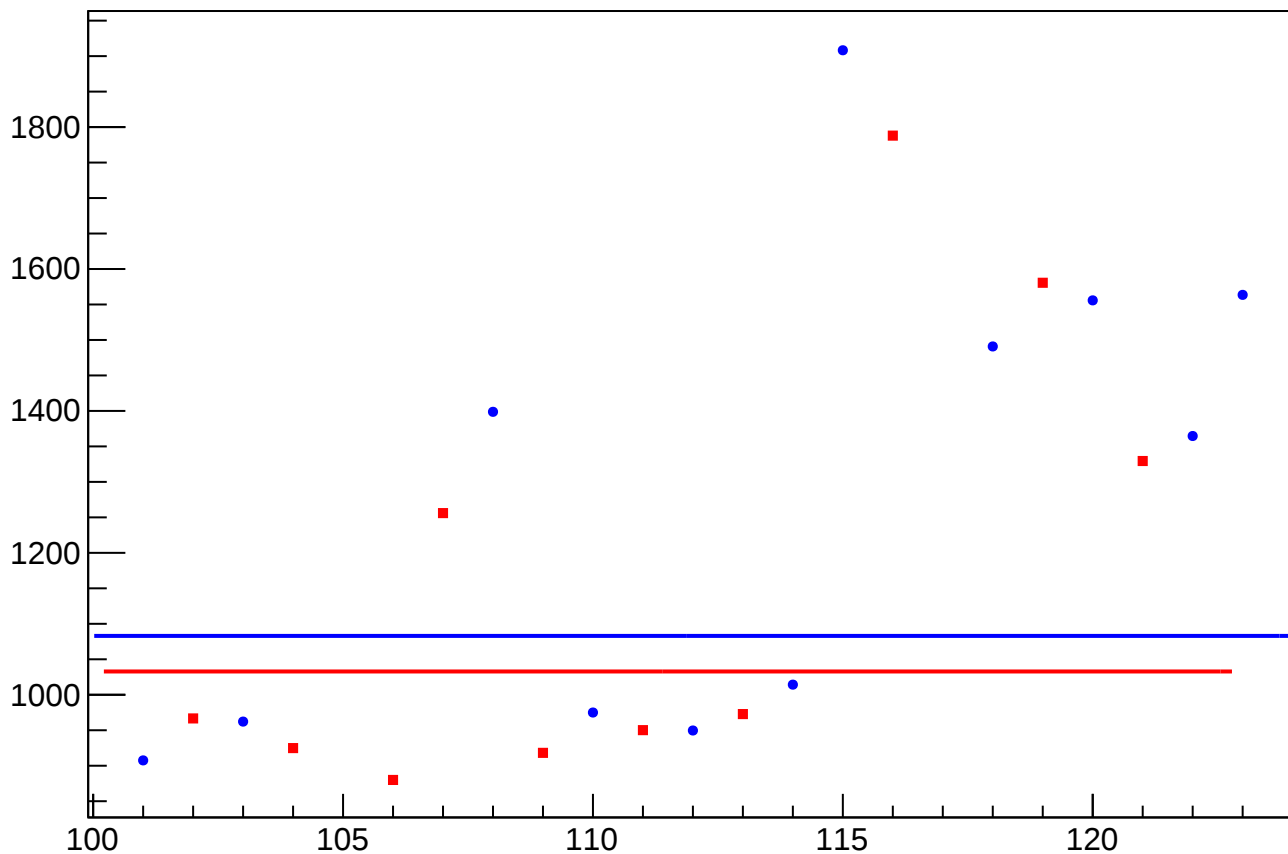
Right: -521.958+/-379.300  $\chi^2/\text{NDF}$ : 18.7/20

In: -175.396+/-563.079  $\chi^2/\text{NDF}$ : 10.4/10

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

All: -521.958+/-379.300  $\chi^2/\text{NDF}$ : 18.7/20

# asym\_sam\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 1082.956+/-0.398  $\chi^2/\text{NDF}$ : 357169.8/10

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

Right Out: 1032.829+/-0.363  $\chi^2/\text{NDF}$ : 336131.8/9

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

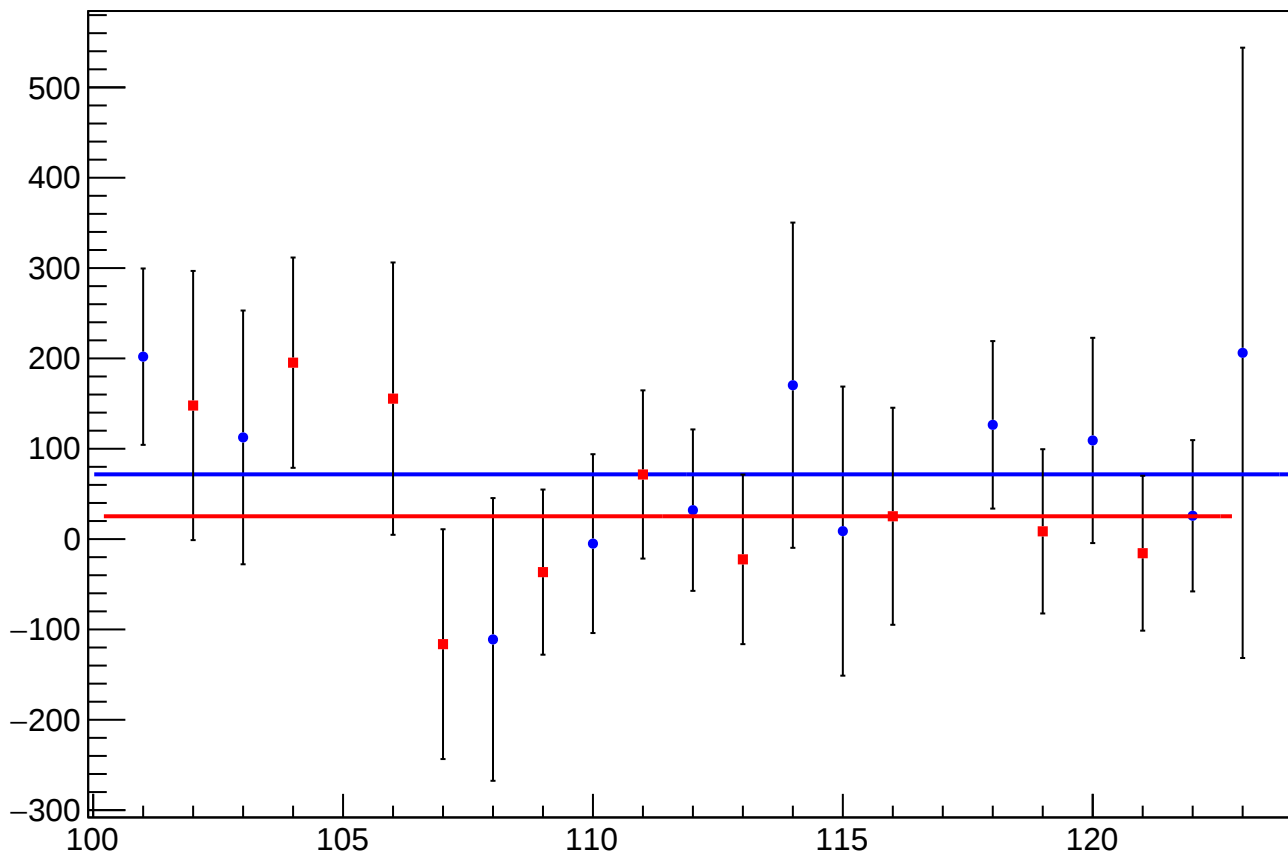
Right: 1055.574+/-0.268  $\chi^2/\text{NDF}$ : 701959.5/20

In: 1082.956+/-0.398  $\chi^2/\text{NDF}$ : 357169.8/10

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

All: 1055.574+/-0.268  $\chi^2/\text{NDF}$ : 701959.5/20

dit\_asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 71.676+/-34.525  $\chi^2/\text{NDF}$ : 5.4/10

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

Right Out: 25.265+/-33.341  $\chi^2/\text{NDF}$ : 6.0/9

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

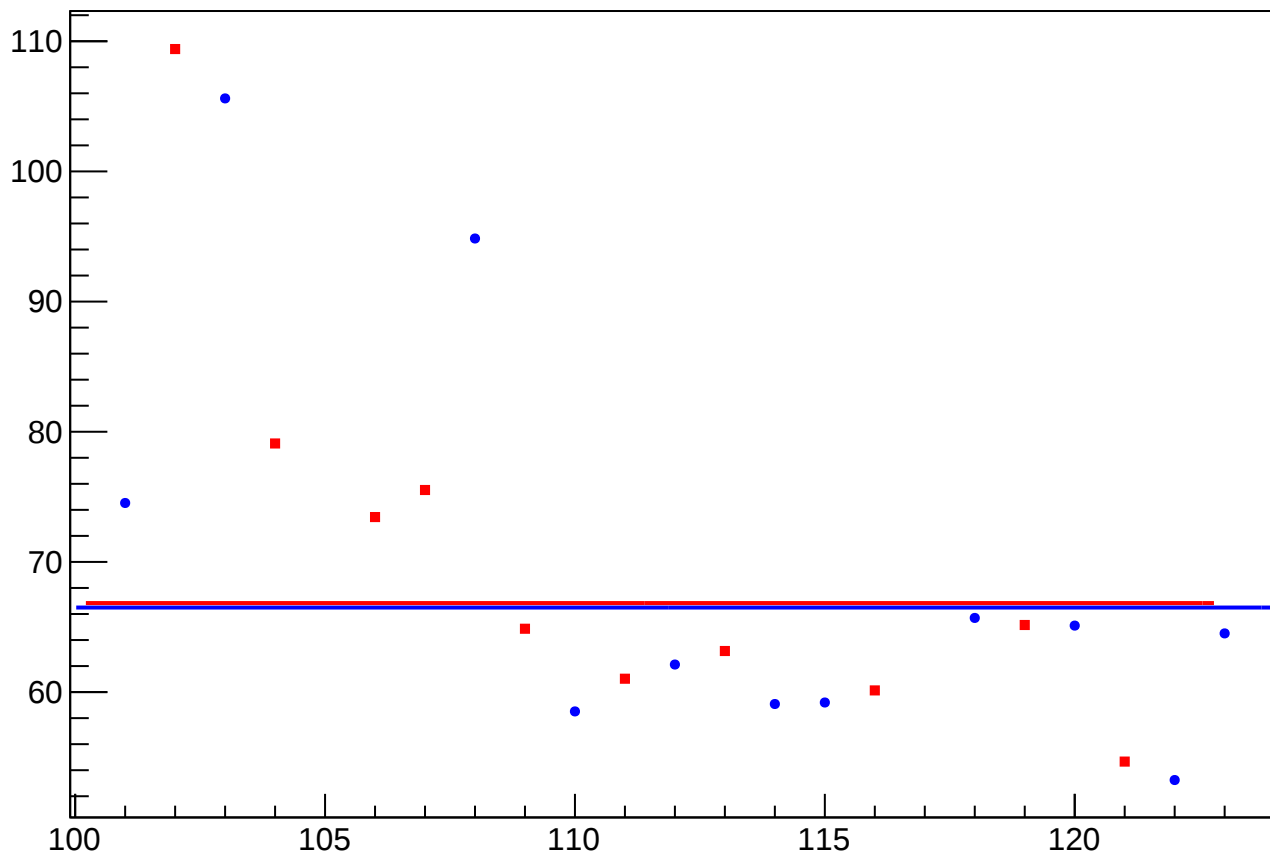
Right: 47.661+/-23.983  $\chi^2/\text{NDF}$ : 12.4/20

In: 71.676+/-34.525  $\chi^2/\text{NDF}$ : 5.4/10

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

All: 47.661+/-23.983  $\chi^2/\text{NDF}$ : 12.4/20

dit\_asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 66.496+/-0.024  $\chi^2/\text{NDF}$ : 310272.4/10

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

Right Out: 66.840+/-0.024  $\chi^2/\text{NDF}$ : 257674.2/9

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

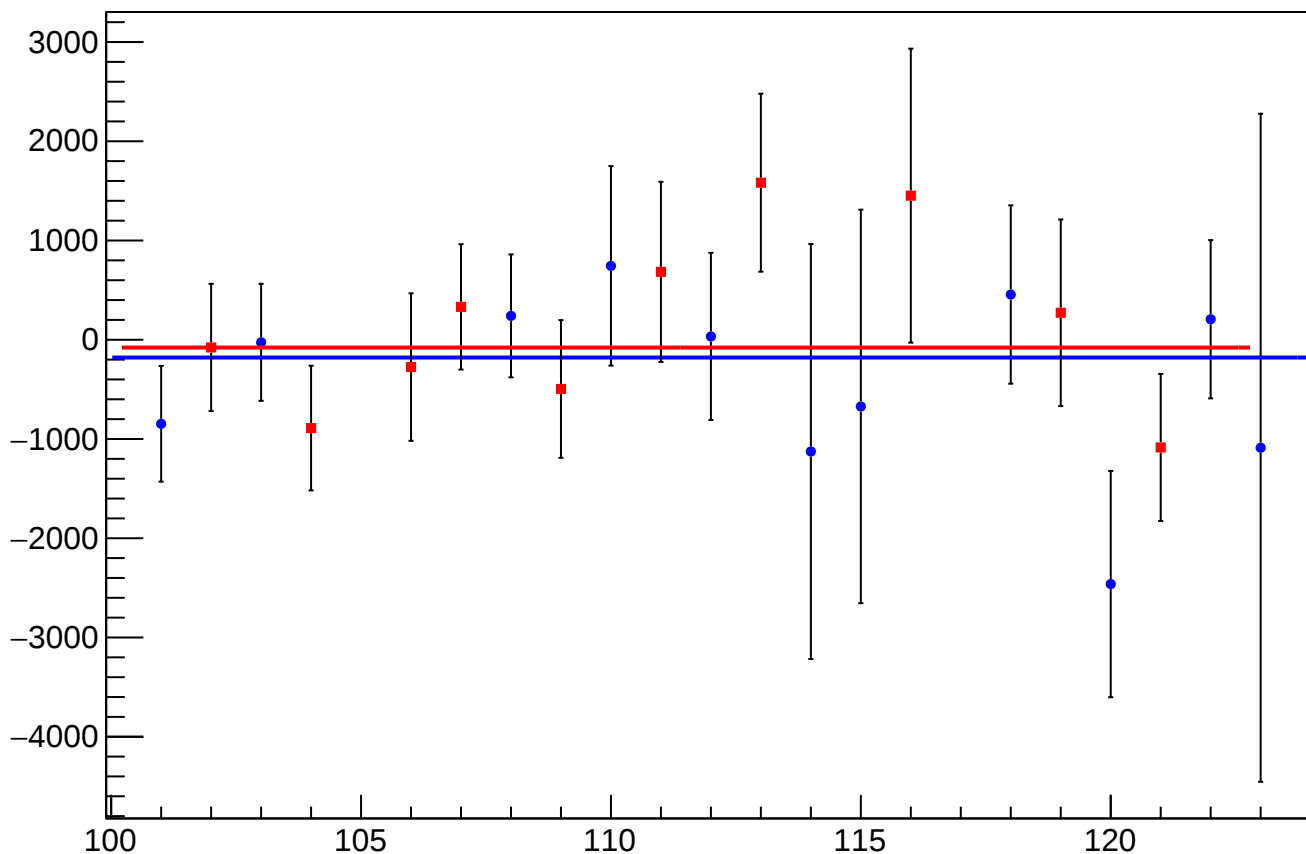
Right: 66.674+/-0.017  $\chi^2/\text{NDF}$ : 568049.5/20

In: 66.496+/-0.024  $\chi^2/\text{NDF}$ : 310272.4/10

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

All: 66.674+/-0.017  $\chi^2/\text{NDF}$ : 568049.5/20

asym\_sam\_13\_57\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -179.035+/-258.436  $\chi^2/\text{NDF}$ : 7.8/10

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

Right Out: -78.511+/-240.872  $\chi^2/\text{NDF}$ : 9.7/9

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

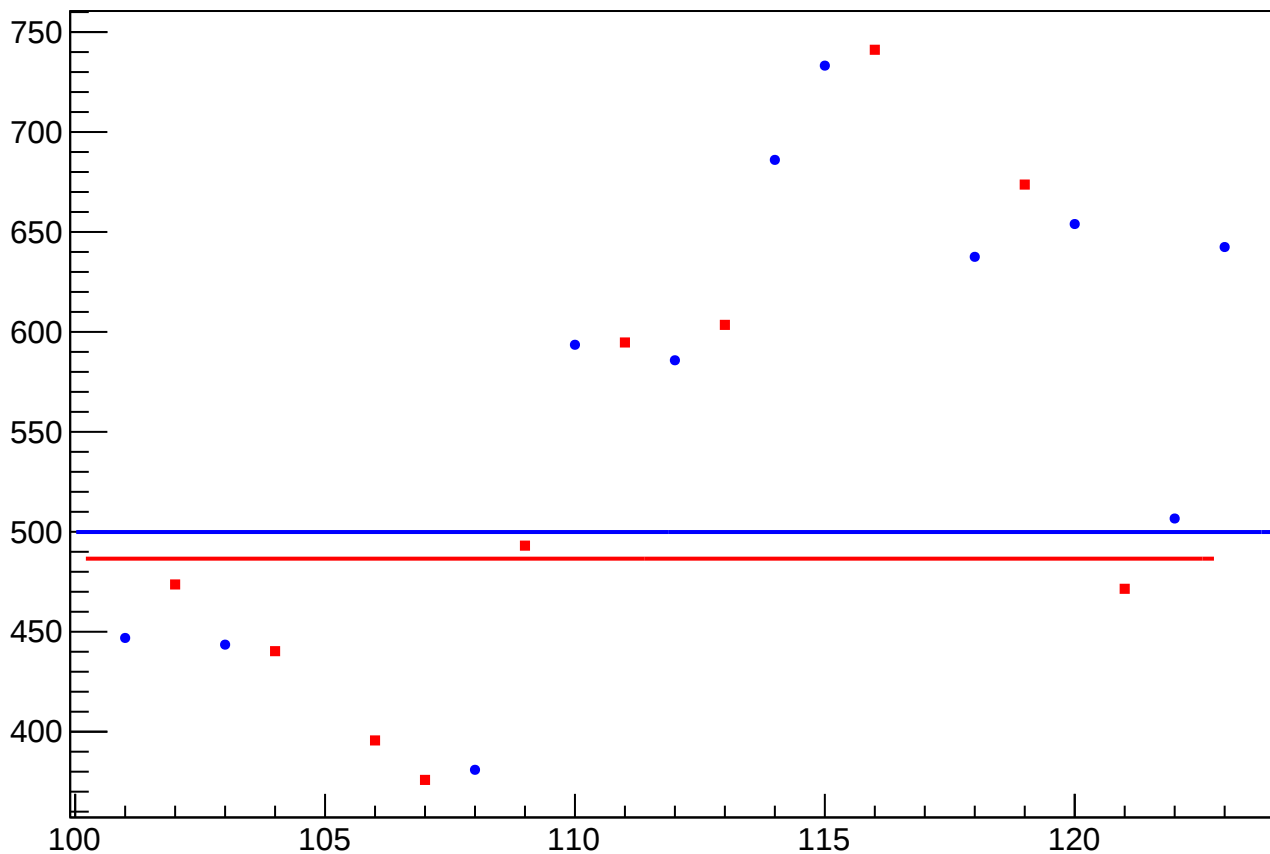
Right: -125.241+/-176.205  $\chi^2/\text{NDF}$ : 17.6/20

In: -179.035+/-258.436  $\chi^2/\text{NDF}$ : 7.8/10

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

All: -125.241+/-176.205  $\chi^2/\text{NDF}$ : 17.6/20

asym\_sam\_13\_57\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 499.890+/-0.183  $\chi^2/\text{NDF}$ : 277475.6/10

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

Right Out: 486.567+/-0.170  $\chi^2/\text{NDF}$ : 304857.2/9

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

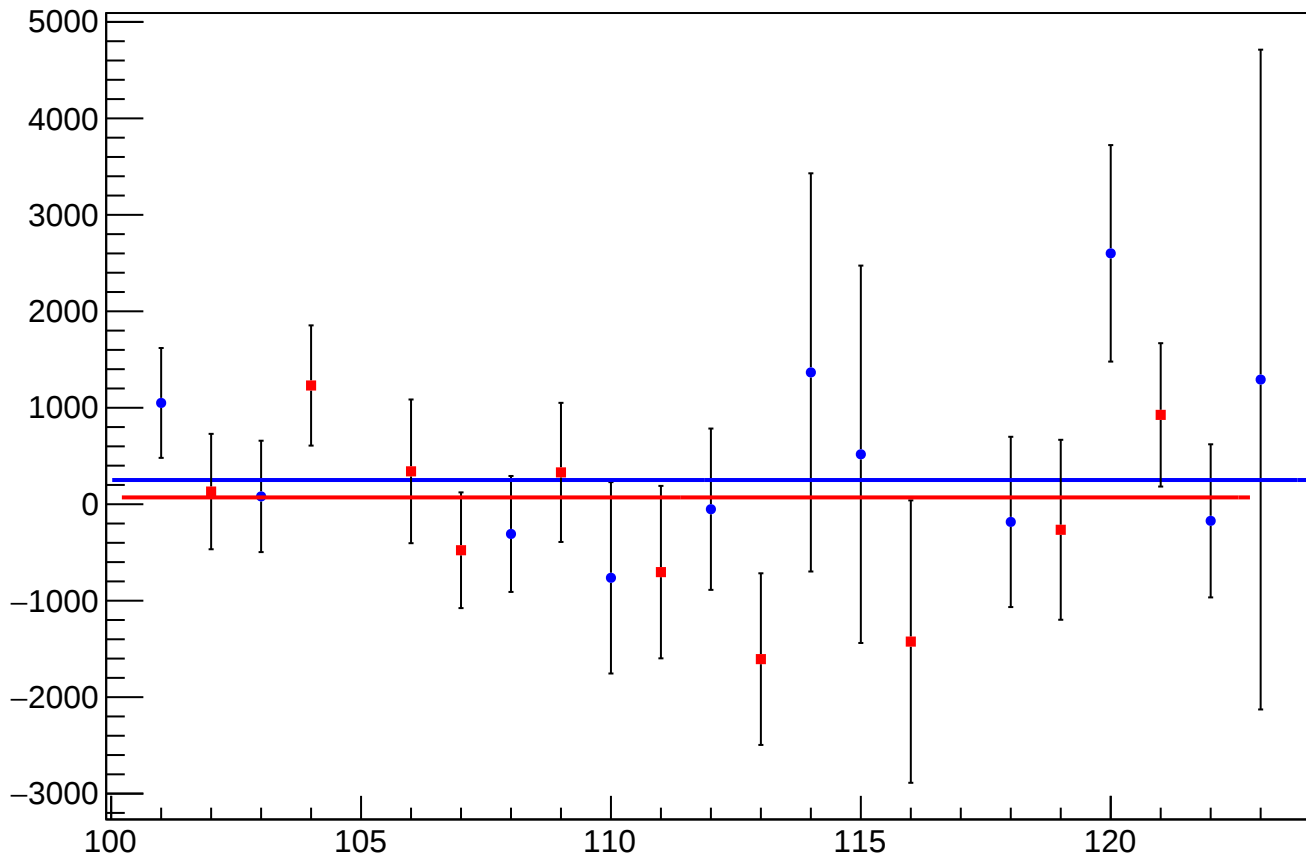
Right: 492.761+/-0.125  $\chi^2/\text{NDF}$ : 585177.2/20

In: 499.890+/-0.183  $\chi^2/\text{NDF}$ : 277475.6/10

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

All: 492.761+/-0.125  $\chi^2/\text{NDF}$ : 585177.2/20

asym\_sam\_13\_57\_dd\_mean vs Slug, Sign Corrected



Right In: 251.027+/-253.625  $\chi^2/\text{NDF}$ : 9.4/10

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

Right Out: 70.732+/-236.911  $\chi^2/\text{NDF}$ : 11.4/9

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

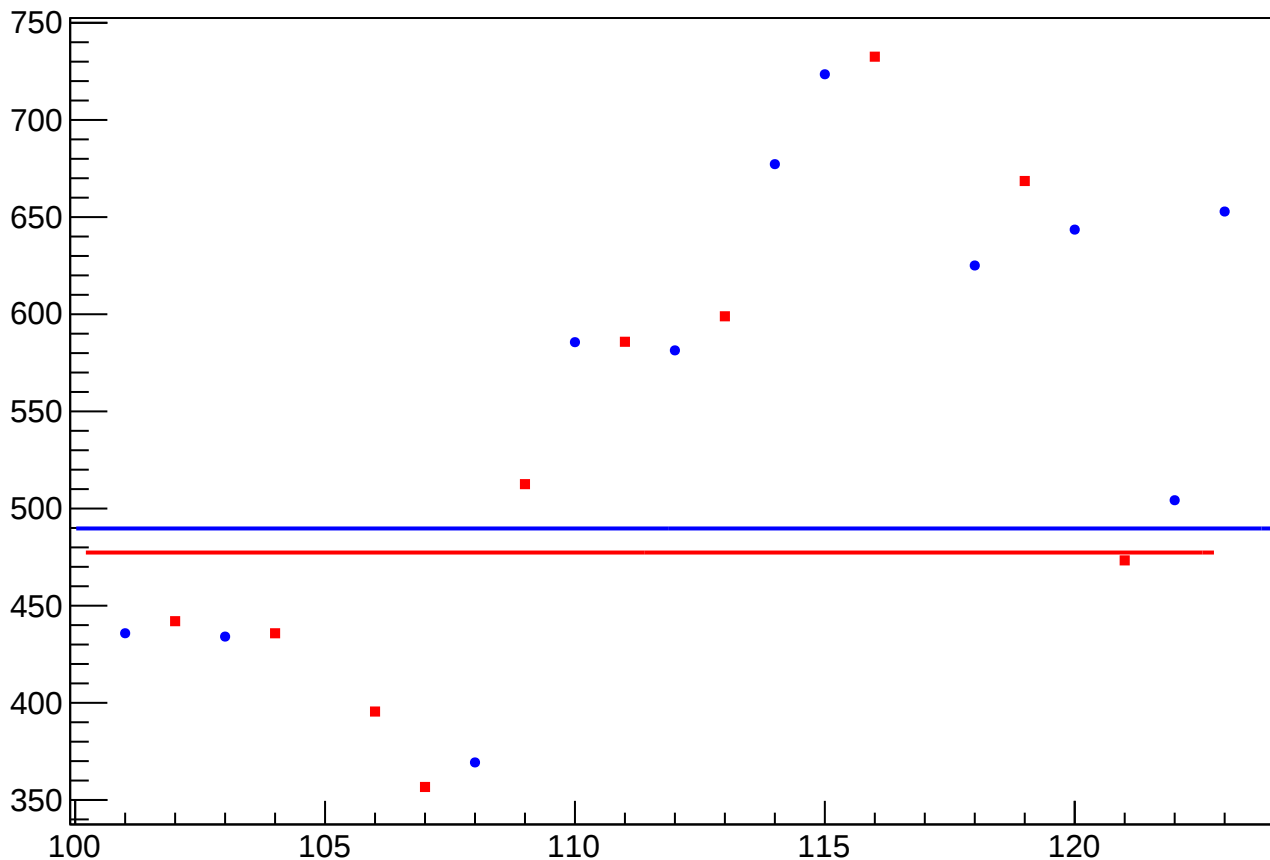
Right: 154.744+/-173.129  $\chi^2/\text{NDF}$ : 21.1/20

In: 251.027+/-253.625  $\chi^2/\text{NDF}$ : 9.4/10

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

All: 154.744+/-173.129  $\chi^2/\text{NDF}$ : 21.1/20

asym\_sam\_13\_57\_dd\_rms vs Slug, Sign Corrected



Right In: 489.741 $\pm$ 0.179  $\chi^2$ /NDF: 294432.9/10

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

Right Out: 477.356 $\pm$ 0.168  $\chi^2$ /NDF: 337425.9/9

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

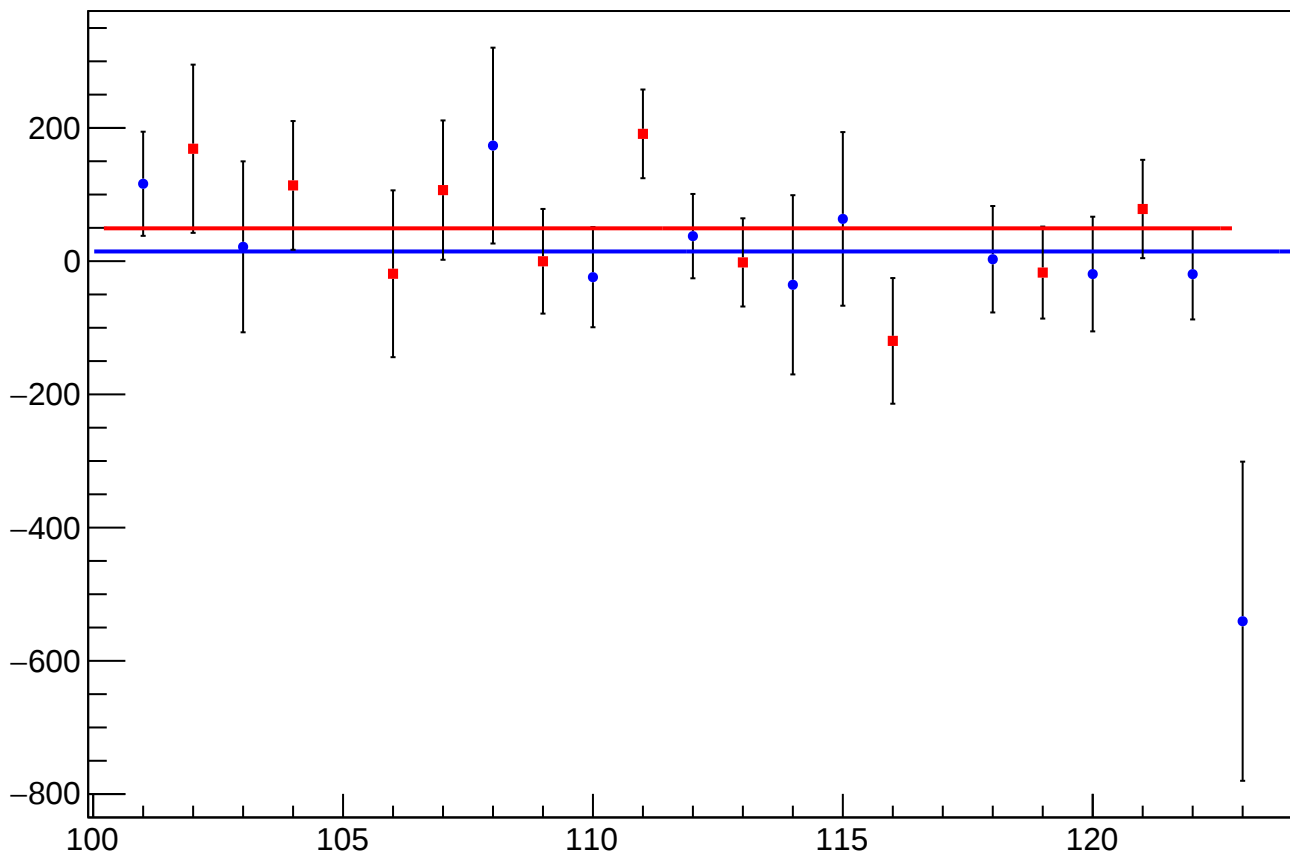
Right: 483.127 $\pm$ 0.122  $\chi^2$ /NDF: 634405.6/20

In: 489.741 $\pm$ 0.179  $\chi^2$ /NDF:294432.9/10

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

All: 483.127 $\pm$ 0.122  $\chi^2$ /NDF: 634405.6/20

dit\_asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 14.561+/-27.353  $\chi^2/\text{NDF}$ : 9.3/10

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

Right Out: 49.284+/-26.292  $\chi^2/\text{NDF}$ : 11.8/9

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

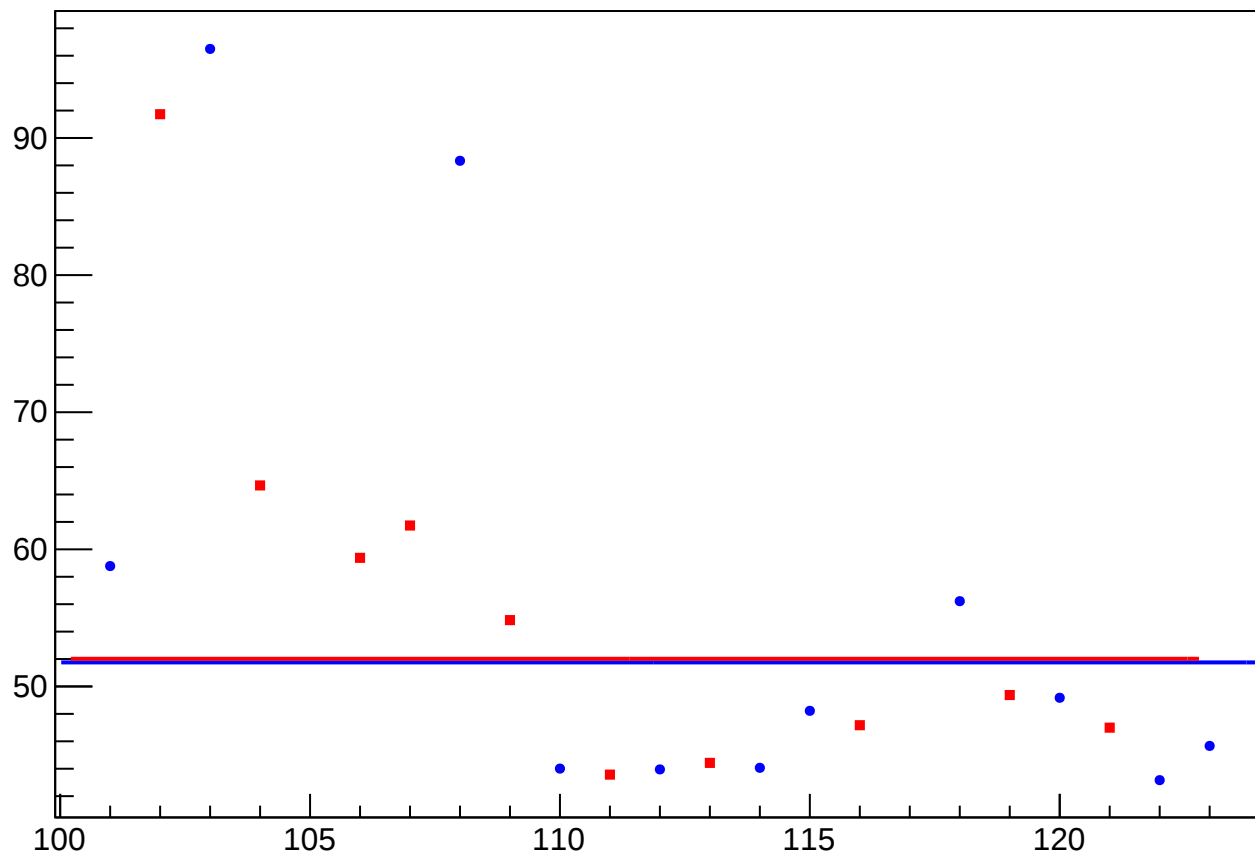
Right: 32.610+/-18.955  $\chi^2/\text{NDF}$ : 21.9/20

In: 14.561+/-27.353  $\chi^2/\text{NDF}$ : 9.3/10

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

All: 32.610+/-18.955  $\chi^2/\text{NDF}$ : 21.9/20

dit\_asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 51.754+/-0.019  $\chi^2/\text{NDF}$ : 484012.1/10

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

Right Out: 52.019+/-0.019  $\chi^2/\text{NDF}$ : 334877.8/9

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

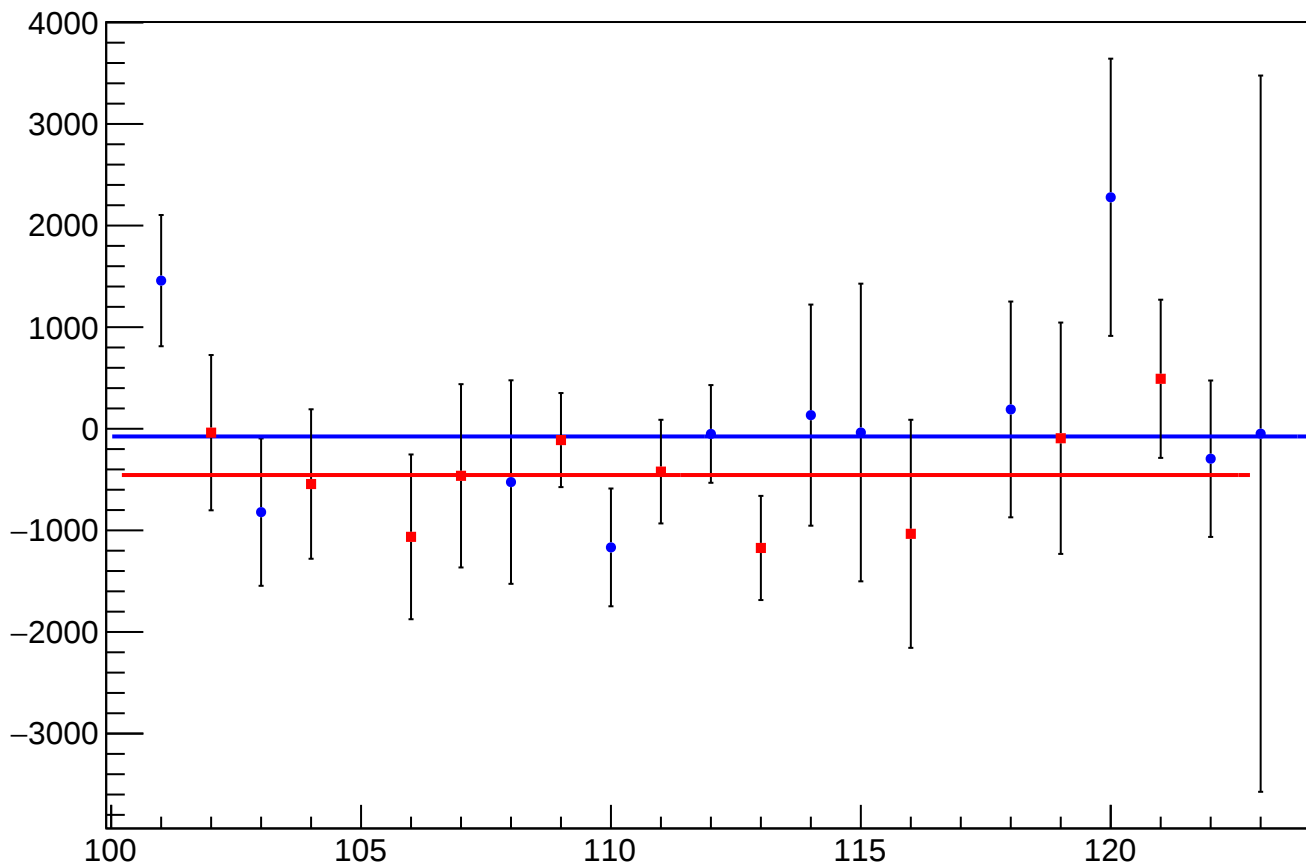
Right: 51.891+/-0.013  $\chi^2/\text{NDF}$ : 818987.8/20

In: 51.754+/-0.019  $\chi^2/\text{NDF}$ : 484012.1/10

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

All: 51.891+/-0.013  $\chi^2/\text{NDF}$ : 818987.8/20

asym\_sam\_15\_37\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -75.707+/-241.818  $\chi^2/\text{NDF}$ : 13.6/10

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

Right Out: -455.242+/-213.966  $\chi^2/\text{NDF}$ : 5.2/9

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

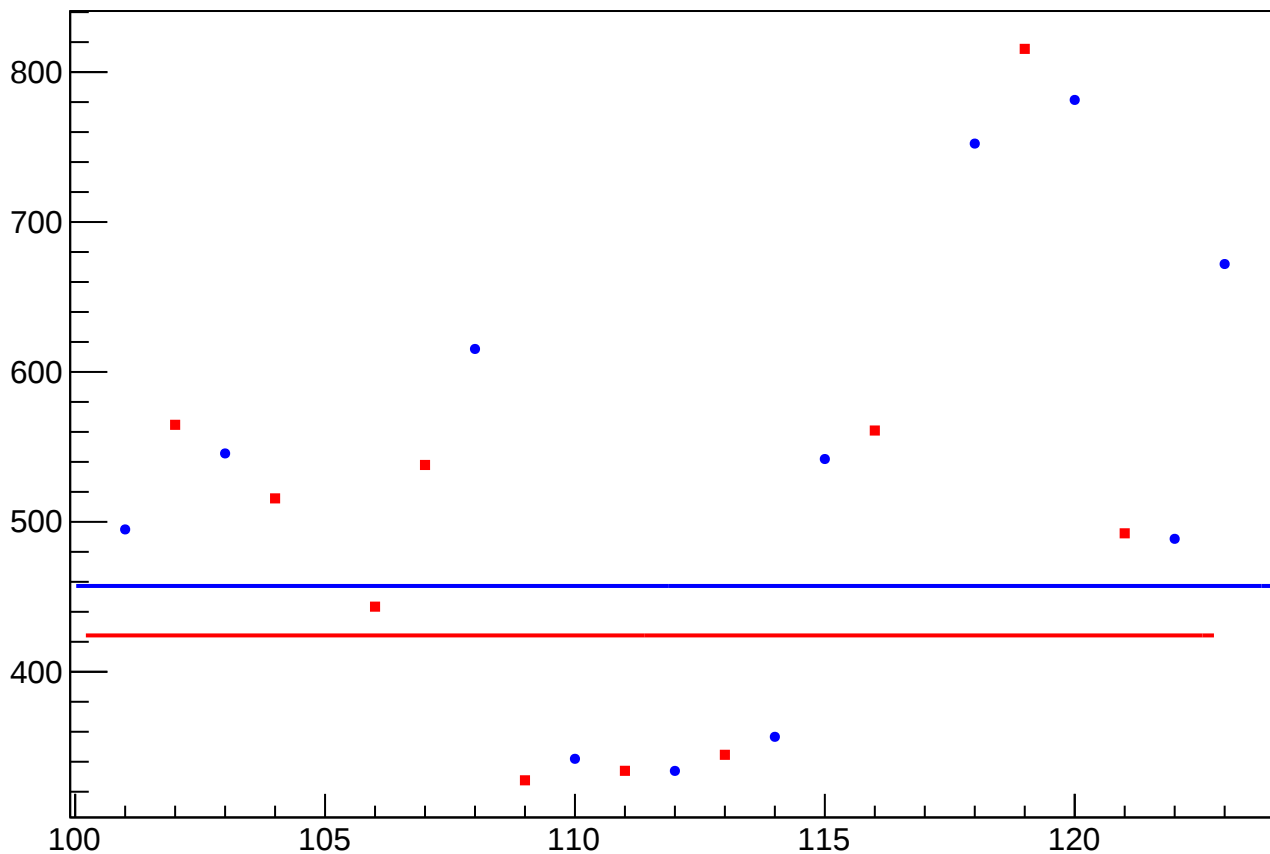
Right: -288.581+/-160.243  $\chi^2/\text{NDF}$ : 20.2/20

In: -75.707+/-241.818  $\chi^2/\text{NDF}$ : 13.6/10

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

All: -288.581+/-160.243  $\chi^2/\text{NDF}$ : 20.2/20

asym\_sam\_15\_37\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 457.251+/-0.171  $\chi^2/\text{NDF}$ : 599037.0/10

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

Right Out: 424.255+/-0.151  $\chi^2/\text{NDF}$ : 610641.2/9

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

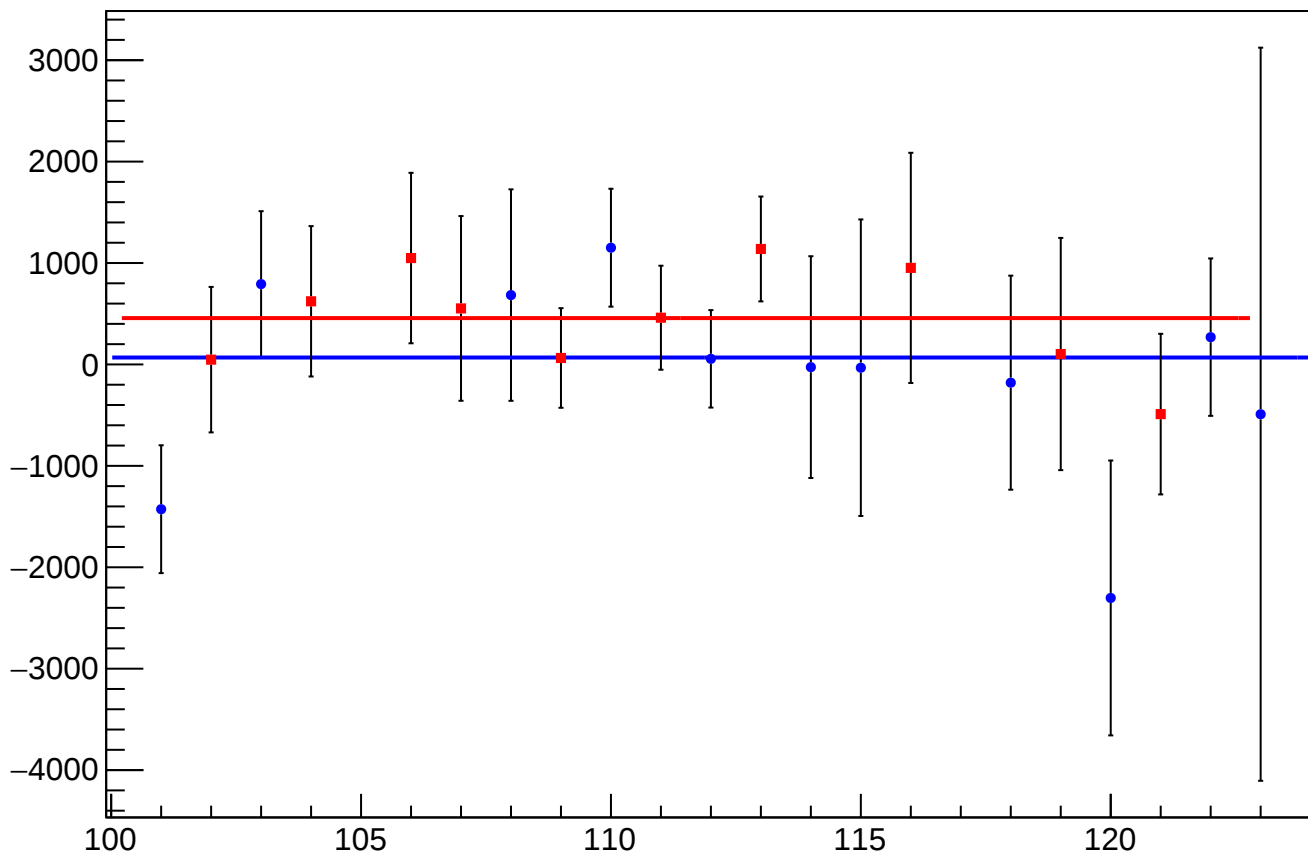
Right: 438.744+/-0.113  $\chi^2/\text{NDF}$ : 1230564.0/20

In: 457.251+/-0.171  $\chi^2/\text{NDF}$ : 599037.0/10

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

All: 438.744+/-0.113  $\chi^2/\text{NDF}$ : 1230564.0/20

asym\_sam\_15\_37\_dd\_mean vs Slug, Sign Corrected



Right In: 68.286+/-241.502  $\chi^2/\text{NDF}$ : 13.7/10

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

Right Out: 456.832+/-217.128  $\chi^2/\text{NDF}$ : 5.0/9

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

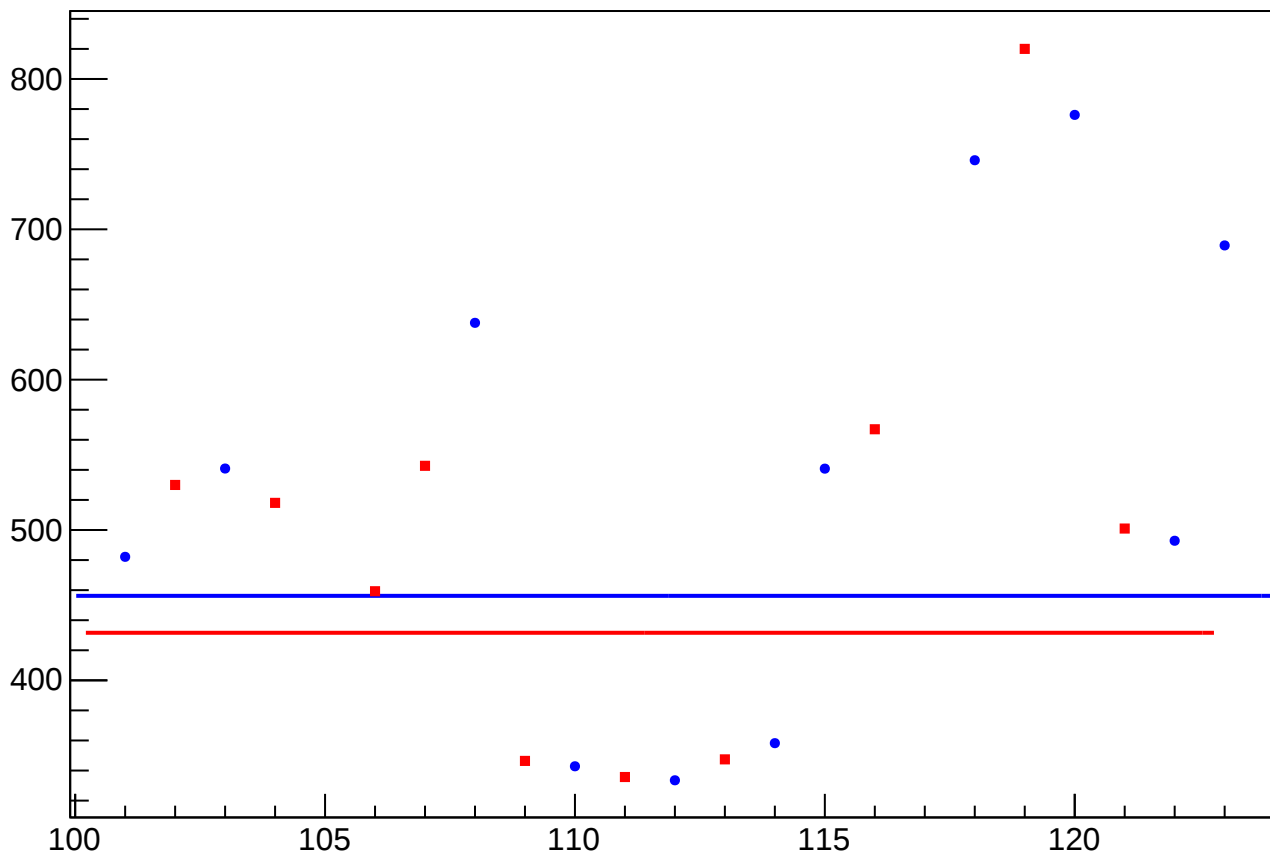
Right: 283.151+/-161.464  $\chi^2/\text{NDF}$ : 20.1/20

In: 68.286+/-241.502  $\chi^2/\text{NDF}$ : 13.7/10

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

All: 283.151+/-161.464  $\chi^2/\text{NDF}$ : 20.1/20

asym\_sam\_15\_37\_dd\_rms vs Slug, Sign Corrected



Right In: 456.206+/-0.171  $\chi^2/\text{NDF}$ : 596047.9/10

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

Right Out: 431.635+/-0.154  $\chi^2/\text{NDF}$ : 553952.3/9

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

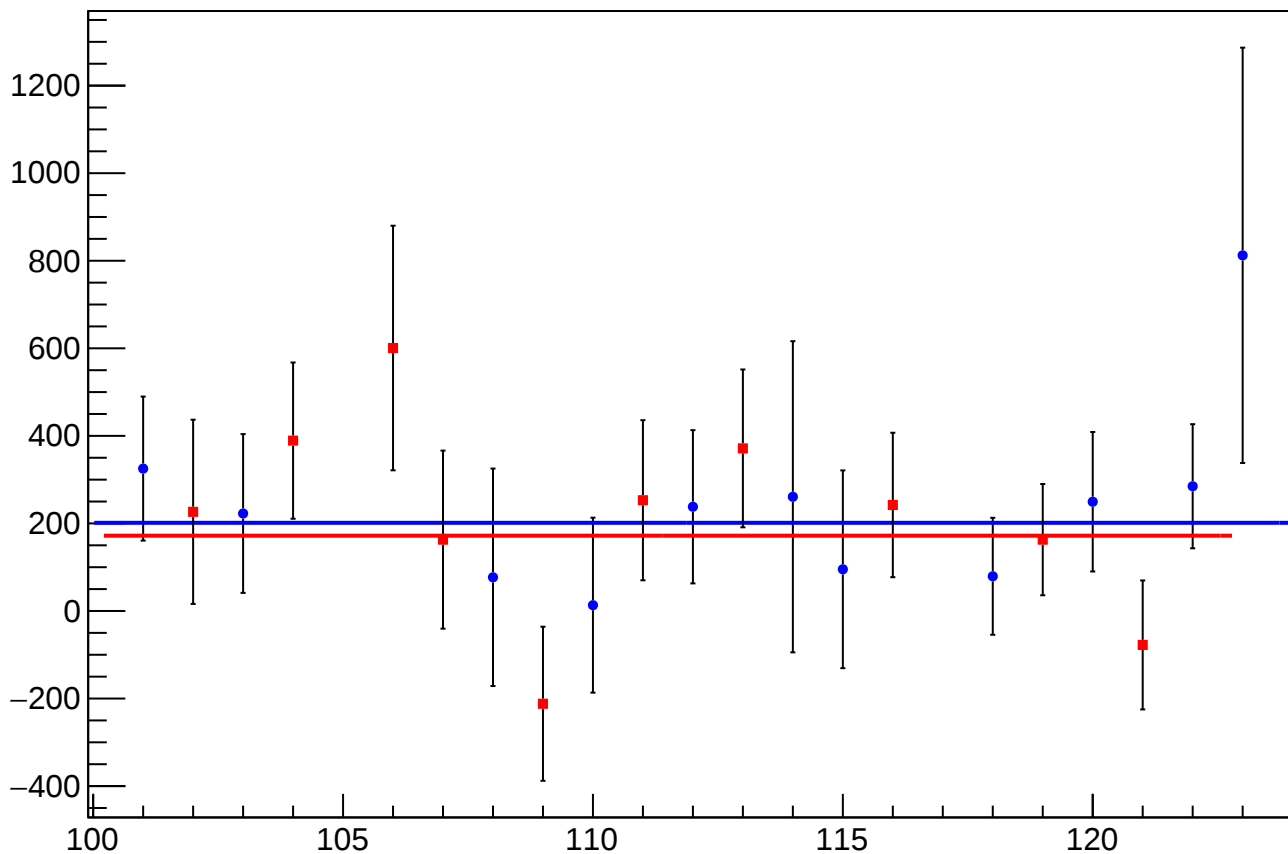
Right: 442.618+/-0.114  $\chi^2/\text{NDF}$ : 1161449.3/20

In: 456.206+/-0.171  $\chi^2/\text{NDF}$ : 596047.9/10

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

All: 442.618+/-0.114  $\chi^2/\text{NDF}$ : 1161449.3/20

dit\_asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 201.425+/-56.040  $\chi^2/\text{NDF}$ : 4.9/10

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

Right Out: 172.014+/-55.157  $\chi^2/\text{NDF}$ : 13.1/9

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

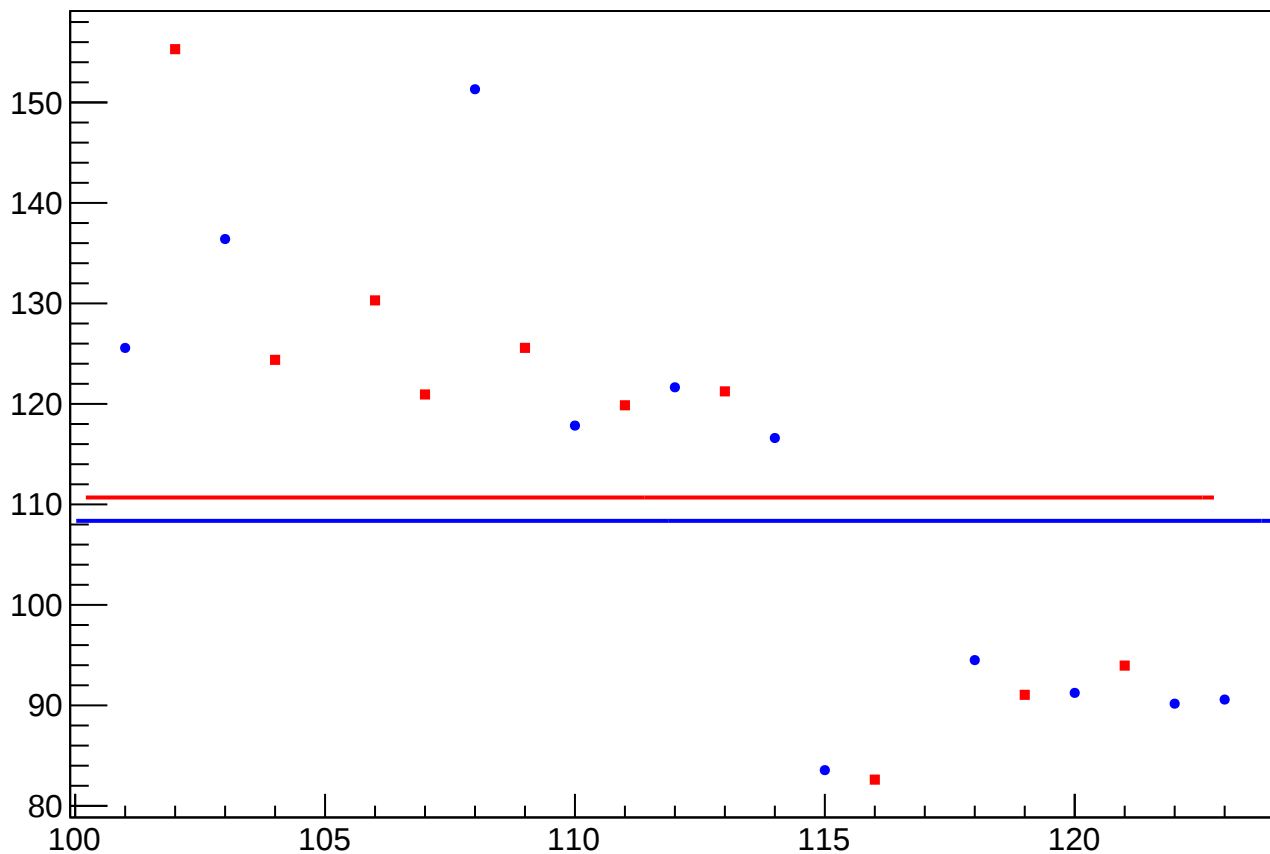
Right: 186.486+/-39.310  $\chi^2/\text{NDF}$ : 18.2/20

In: 201.425+/-56.040  $\chi^2/\text{NDF}$ : 4.9/10

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

All: 186.486+/-39.310  $\chi^2/\text{NDF}$ : 18.2/20

dit\_asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 108.364 $\pm$ 0.040  $\chi^2$ /NDF: 251108.9/10

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

Right Out: 110.687 $\pm$ 0.039  $\chi^2$ /NDF: 274309.5/9

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

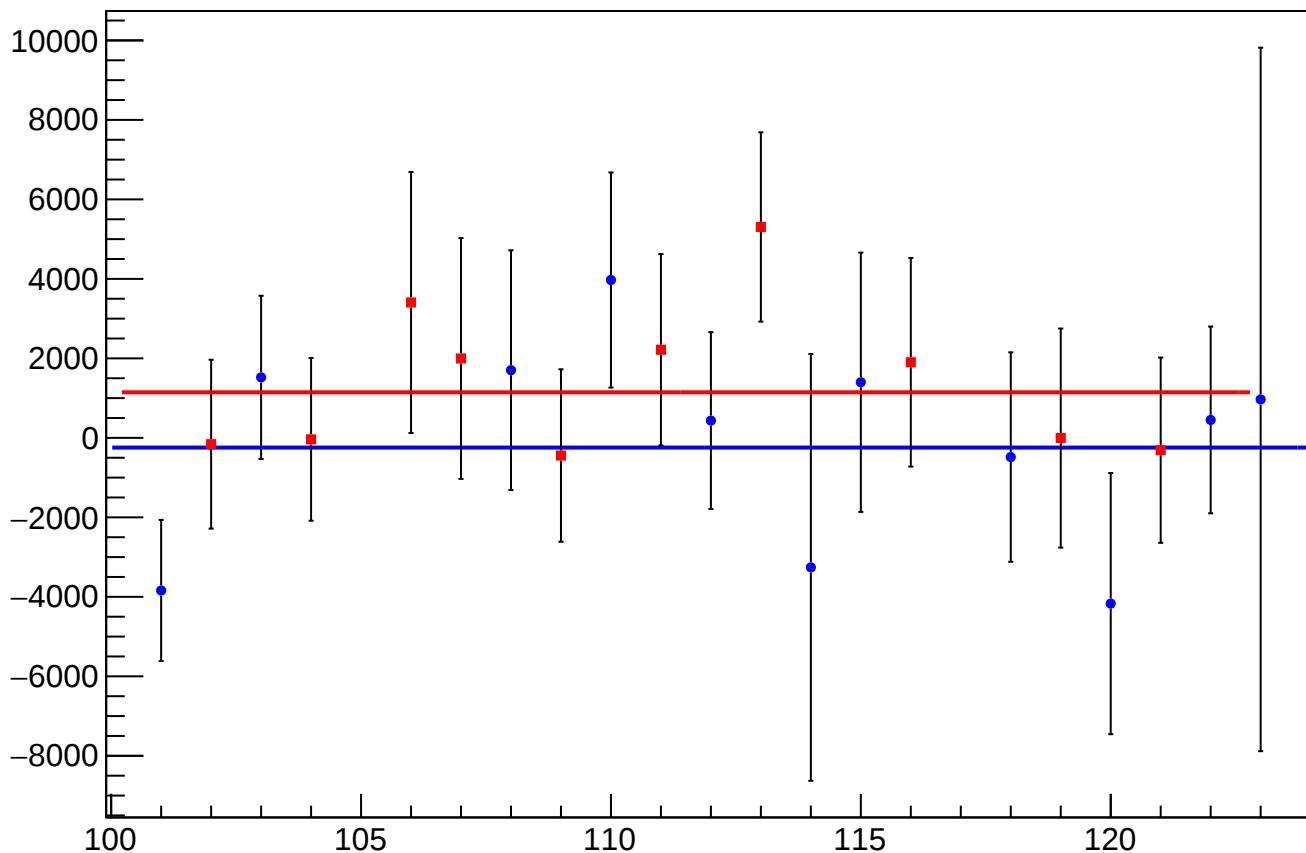
Right: 109.544 $\pm$ 0.028  $\chi^2$ /NDF: 527163.7/20

In: 108.364 $\pm$ 0.040  $\chi^2$ /NDF:251108.9/10

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

All: 109.544 $\pm$ 0.028  $\chi^2$ /NDF: 527163.7/20

asym\_sam\_24\_68\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -244.514+/-800.184  $\chi^2/\text{NDF}$ : 9.9/10

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

Right Out: 1146.550+/-770.631  $\chi^2/\text{NDF}$ : 5.7/9

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

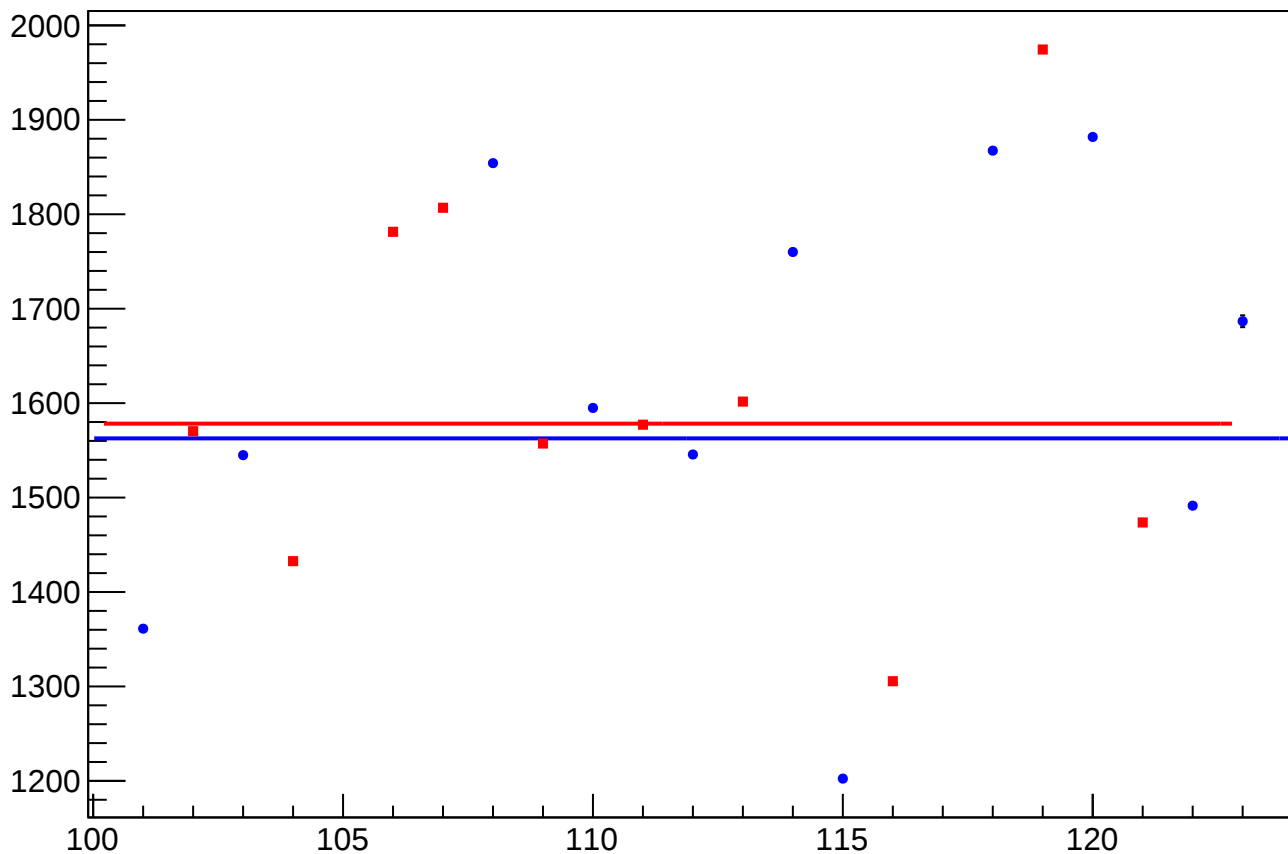
Right: 477.181+/-555.072  $\chi^2/\text{NDF}$ : 17.2/20

In: -244.514+/-800.184  $\chi^2/\text{NDF}$ :9.9/10

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

All: 477.181+/-555.072  $\chi^2/\text{NDF}$ : 17.2/20

asym\_sam\_24\_68\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 1562.686+/-0.566  $\chi^2/\text{NDF}$ : 119910.7/10

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

Right Out: 1578.270+/-0.545  $\chi^2/\text{NDF}$ : 96503.9/9

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

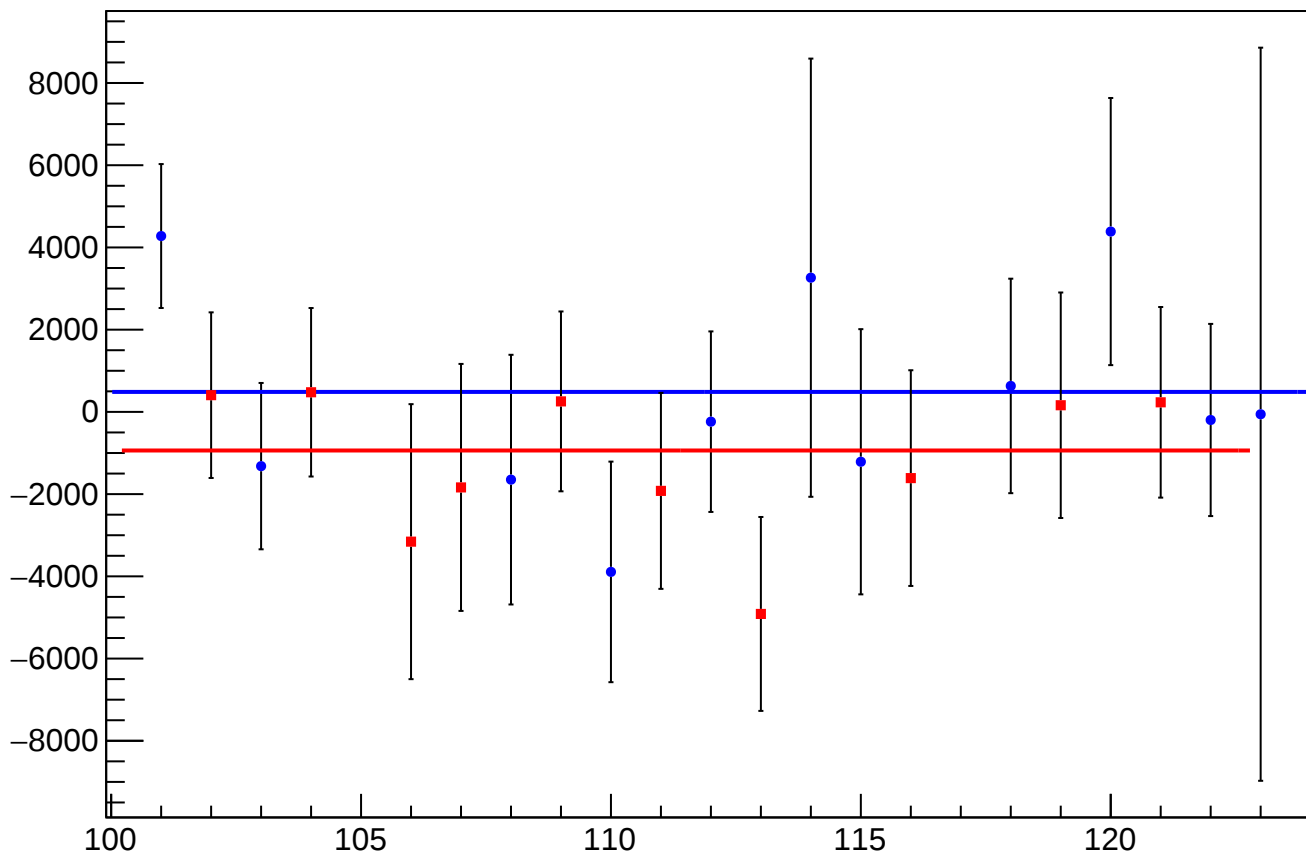
Right: 1570.771+/-0.392  $\chi^2/\text{NDF}$ : 216808.1/20

In: 1562.686+/-0.566  $\chi^2/\text{NDF}$ : 119910.7/10

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

All: 1570.771+/-0.392  $\chi^2/\text{NDF}$ : 216808.1/20

asym\_sam\_24\_68\_dd\_mean vs Slug, Sign Corrected



Right In: 486.089+/-791.984  $\chi^2/\text{NDF}$ : 10.8/10

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

Right Out: -938.818+/-763.820  $\chi^2/\text{NDF}$ : 5.2/9

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

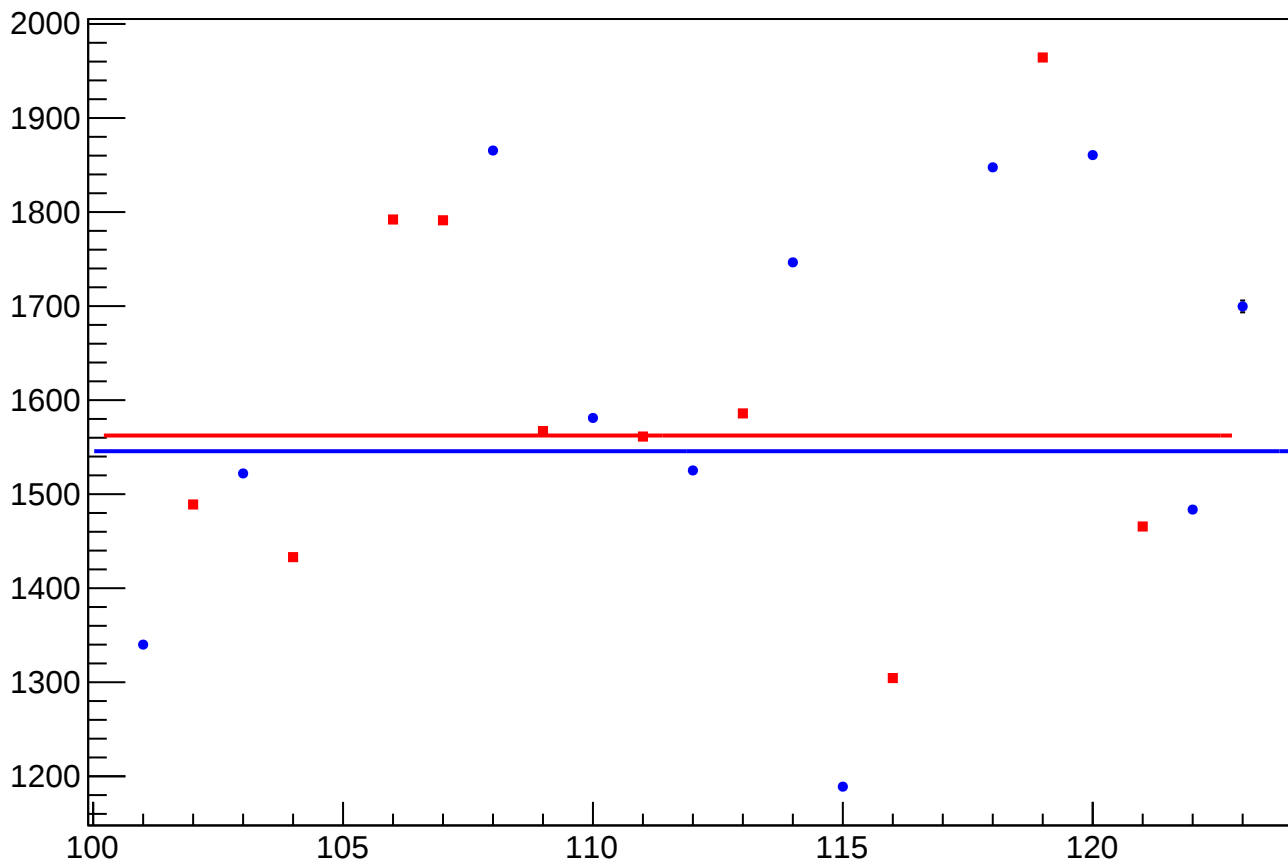
Right: -252.151+/-549.789  $\chi^2/\text{NDF}$ : 17.8/20

In: 486.089+/-791.984  $\chi^2/\text{NDF}$ : 10.8/10

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

All: -252.151+/-549.789  $\chi^2/\text{NDF}$ : 17.8/20

asym\_sam\_24\_68\_dd\_rms vs Slug, Sign Corrected



Right In: 1545.686+/-0.560  $\chi^2/\text{NDF}$ : 125467.7/10

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

Right Out: 1562.382+/-0.540  $\chi^2/\text{NDF}$ : 97661.3/9

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

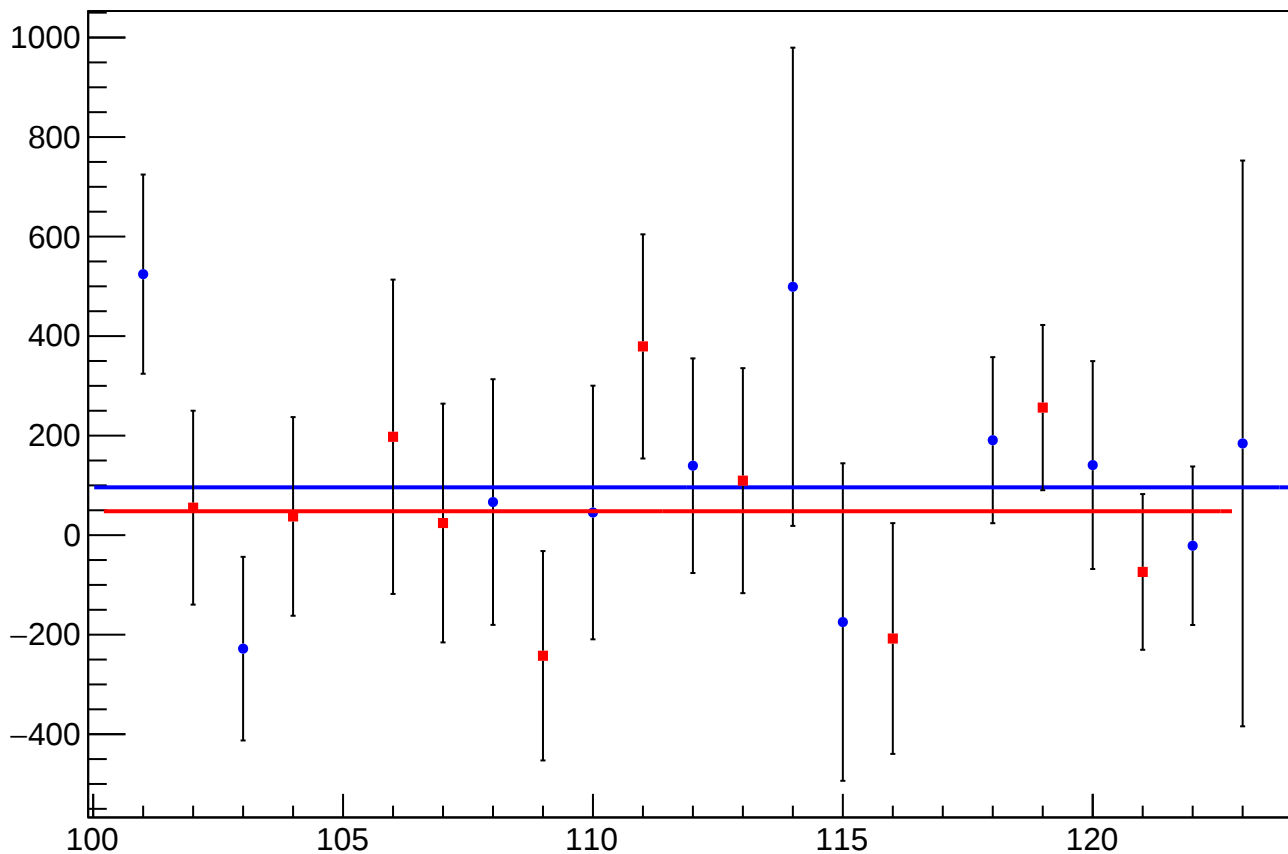
Right: 1554.336+/-0.389  $\chi^2/\text{NDF}$ : 223589.4/20

In: 1545.686+/-0.560  $\chi^2/\text{NDF}$ : 125467.7/10

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

All: 1554.336+/-0.389  $\chi^2/\text{NDF}$ : 223589.4/20

dit\_asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 96.095+/-66.941  $\chi^2/\text{NDF}$ : 10.1/10

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

Right Out: 48.054+/-65.032  $\chi^2/\text{NDF}$ : 7.8/9

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

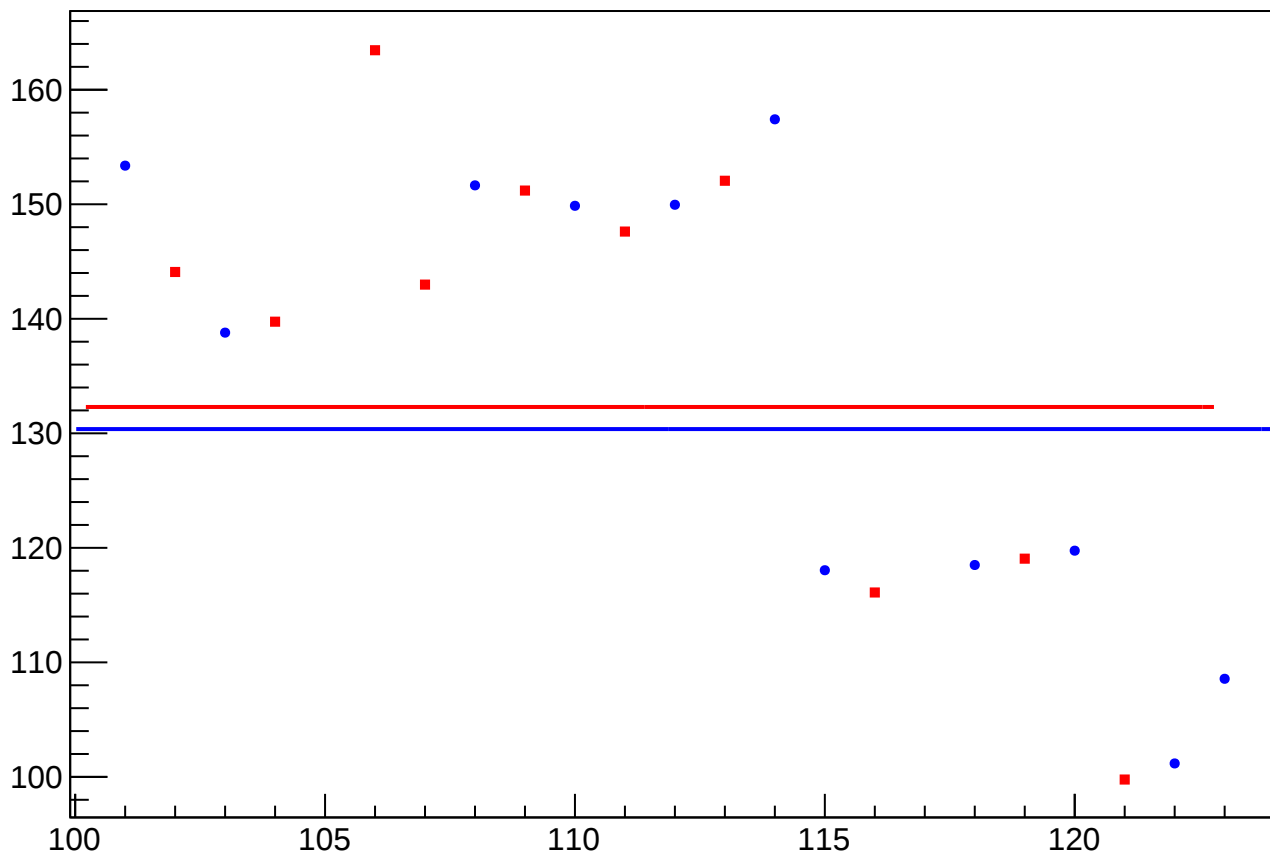
Right: 71.380+/-46.645  $\chi^2/\text{NDF}$ : 18.2/20

In: 96.095+/-66.941  $\chi^2/\text{NDF}$ : 10.1/10

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

All: 71.380+/-46.645  $\chi^2/\text{NDF}$ : 18.2/20

dit\_asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 130.370+/-0.047  $\chi^2/\text{NDF}$ : 168424.4/10

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

Right Out: 132.300+/-0.046  $\chi^2/\text{NDF}$ : 183148.3/9

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

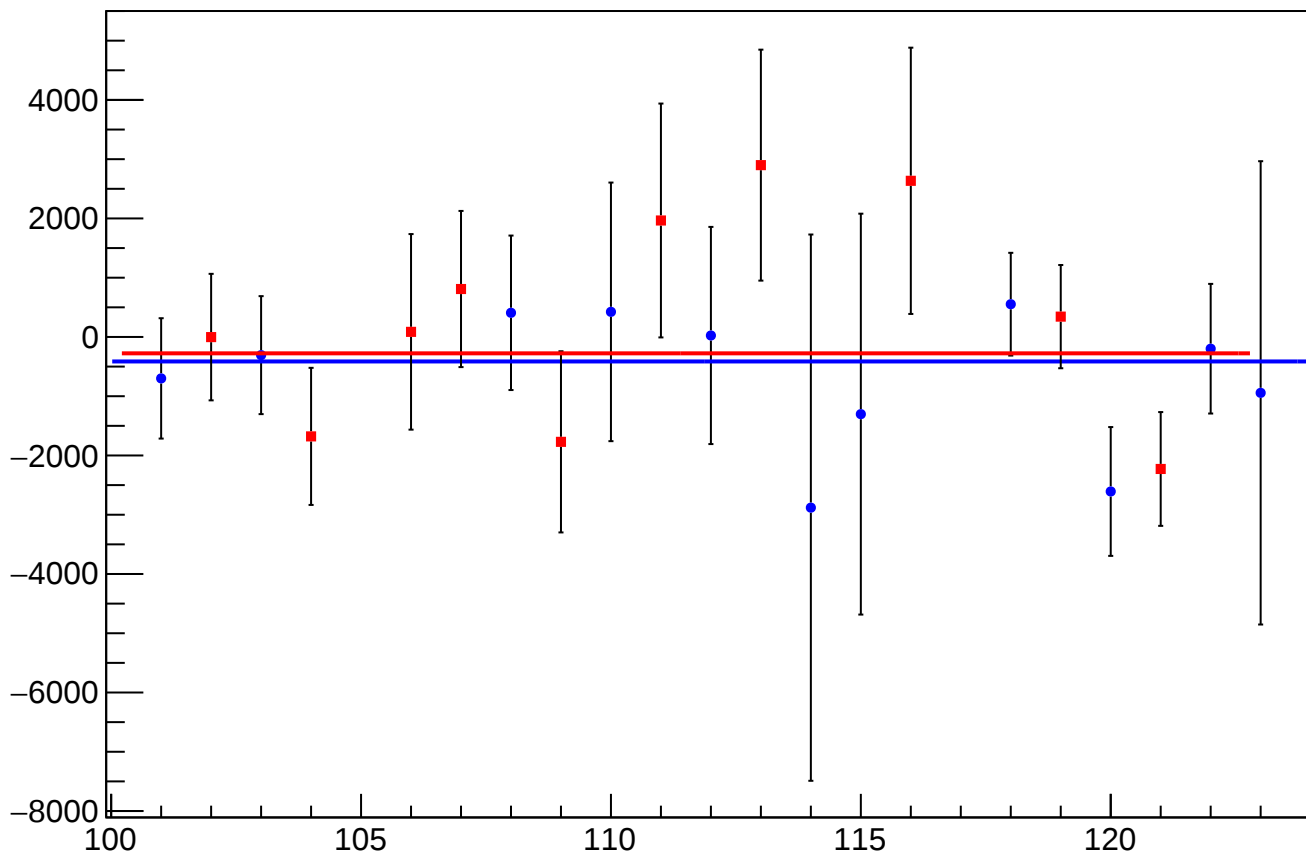
Right: 131.363+/-0.033  $\chi^2/\text{NDF}$ : 352427.9/20

In: 130.370+/-0.047  $\chi^2/\text{NDF}$ : 168424.4/10

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

All: 131.363+/-0.033  $\chi^2/\text{NDF}$ : 352427.9/20

asym\_sam\_26\_48\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: -413.448+/-398.794  $\chi^2/\text{NDF}$ : 6.4/10

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

Right Out: -276.369+/-404.312  $\chi^2/\text{NDF}$ : 13.5/9

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

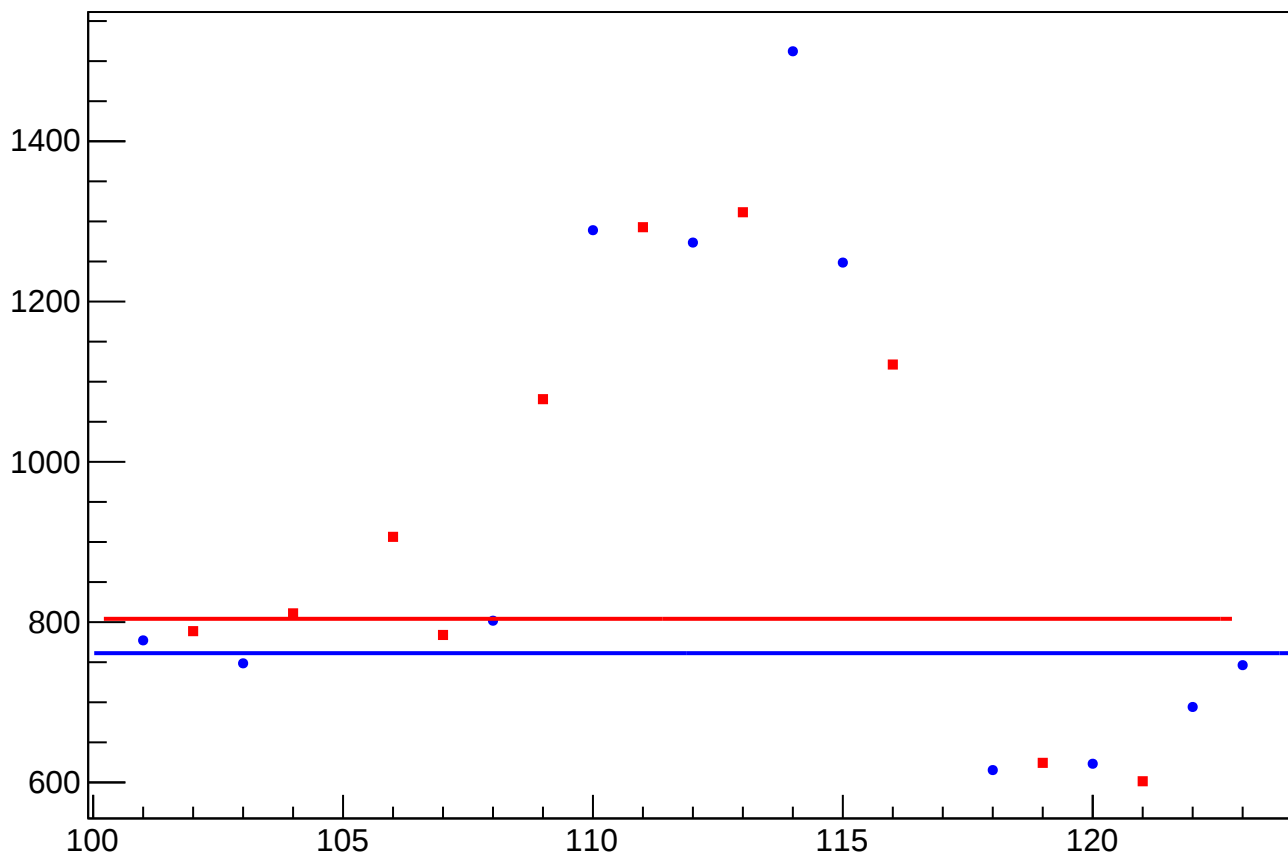
Right: -345.850+/-283.921  $\chi^2/\text{NDF}$ : 20.0/20

In: -413.448+/-398.794  $\chi^2/\text{NDF}$ : 6.4/10

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

All: -345.850+/-283.921  $\chi^2/\text{NDF}$ : 20.0/20

asym\_sam\_26\_48\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 761.280+/-0.282  $\chi^2/\text{NDF}$ : 467146.7/10

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

Right Out: 804.145+/-0.286  $\chi^2/\text{NDF}$ : 545272.1/9

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

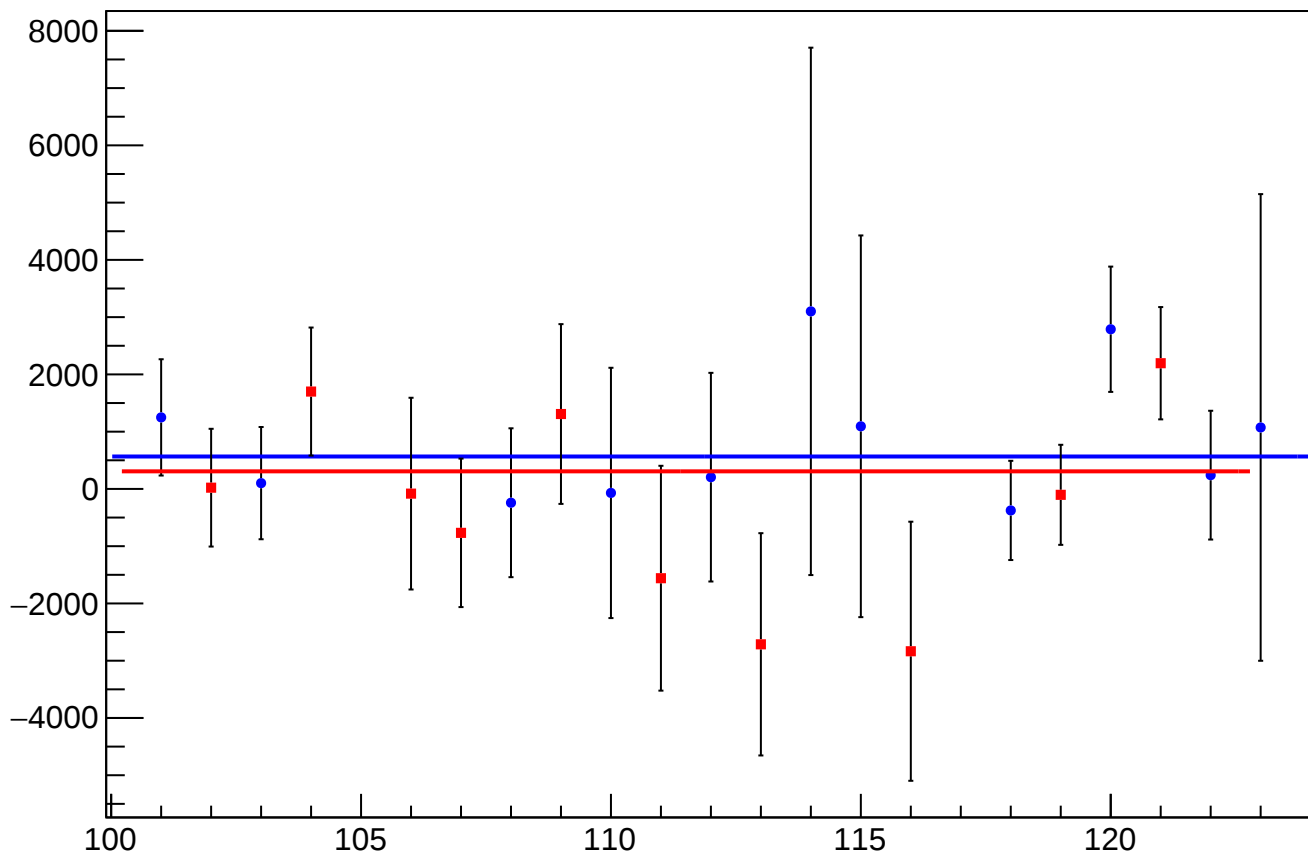
Right: 782.418+/-0.201  $\chi^2/\text{NDF}$ : 1023813.5/20

In: 761.280+/-0.282  $\chi^2/\text{NDF}$ : 467146.7/10

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

All: 782.418+/-0.201  $\chi^2/\text{NDF}$ : 1023813.5/20

asym\_sam\_26\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 566.286+/-399.365  $\chi^2/\text{NDF}$ : 6.9/10

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

Right Out: 306.987+/-402.461  $\chi^2/\text{NDF}$ : 12.0/9

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

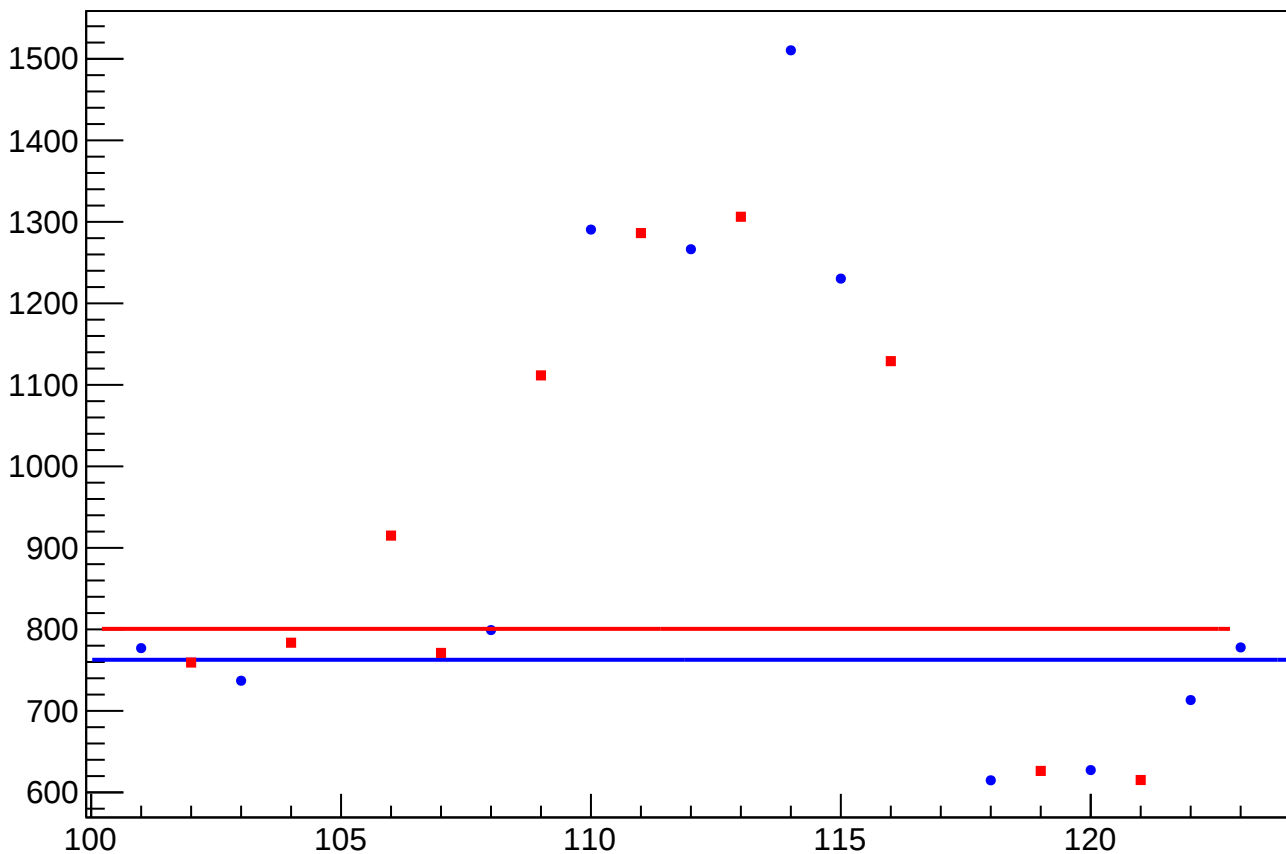
Right: 437.638+/-283.482  $\chi^2/\text{NDF}$ : 19.1/20

In: 566.286+/-399.365  $\chi^2/\text{NDF}$ : 6.9/10

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

All: 437.638+/-283.482  $\chi^2/\text{NDF}$ : 19.1/20

asym\_sam\_26\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 762.699+/-0.282  $\chi^2/\text{NDF}$ : 457743.8/10

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

Right Out: 800.637+/-0.285  $\chi^2/\text{NDF}$ : 543948.7/9

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

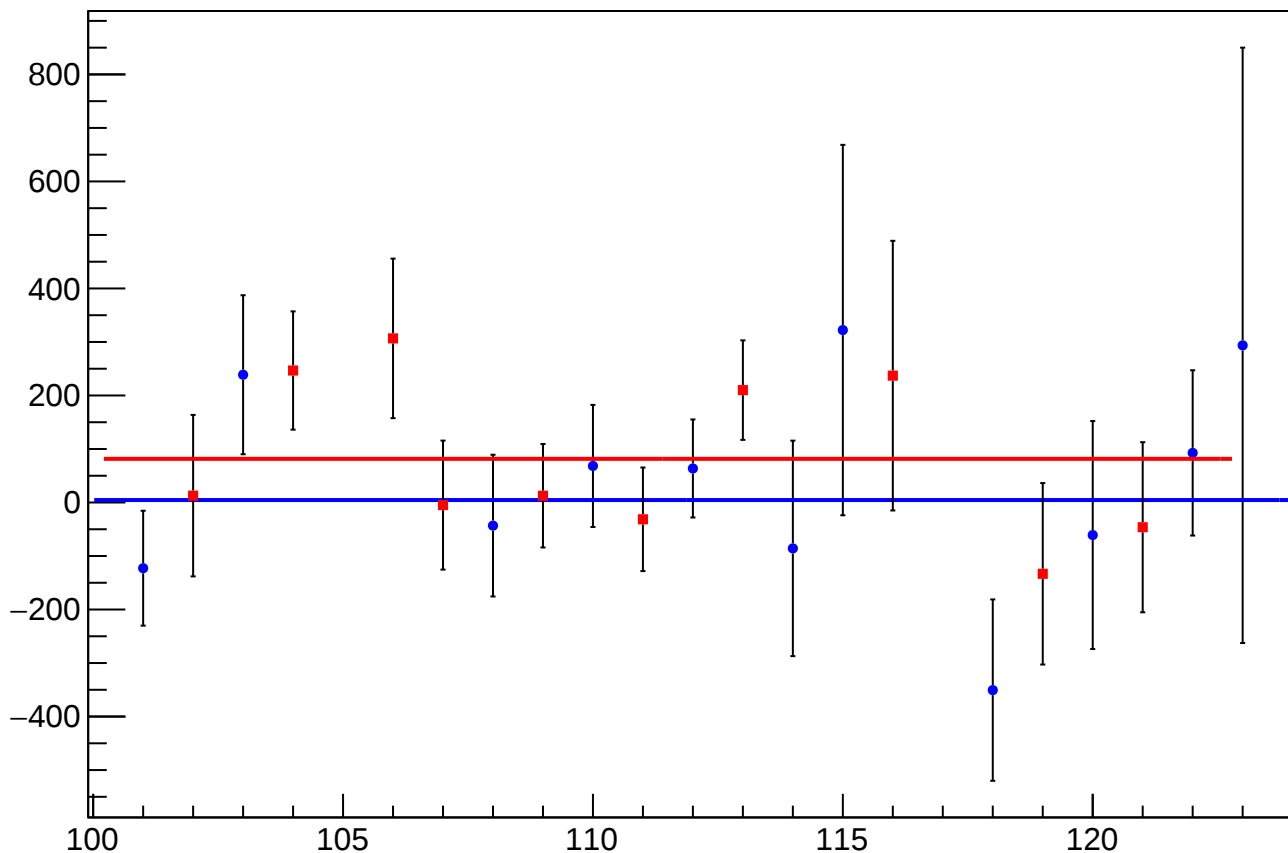
Right: 781.521+/-0.200  $\chi^2/\text{NDF}$ : 1010647.0/20

In: 762.699+/-0.282  $\chi^2/\text{NDF}$ : 457743.8/10

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

All: 781.521+/-0.200  $\chi^2/\text{NDF}$ : 1010647.0/20

dit\_asym\_sam\_1548\_avg\_mean vs Slug, Sign Corrected



Right In: 4.589 $\pm$ 43.851  $\chi^2$ /NDF: 10.9/10

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

Right Out: 81.576 $\pm$ 38.949  $\chi^2$ /NDF: 11.6/9

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

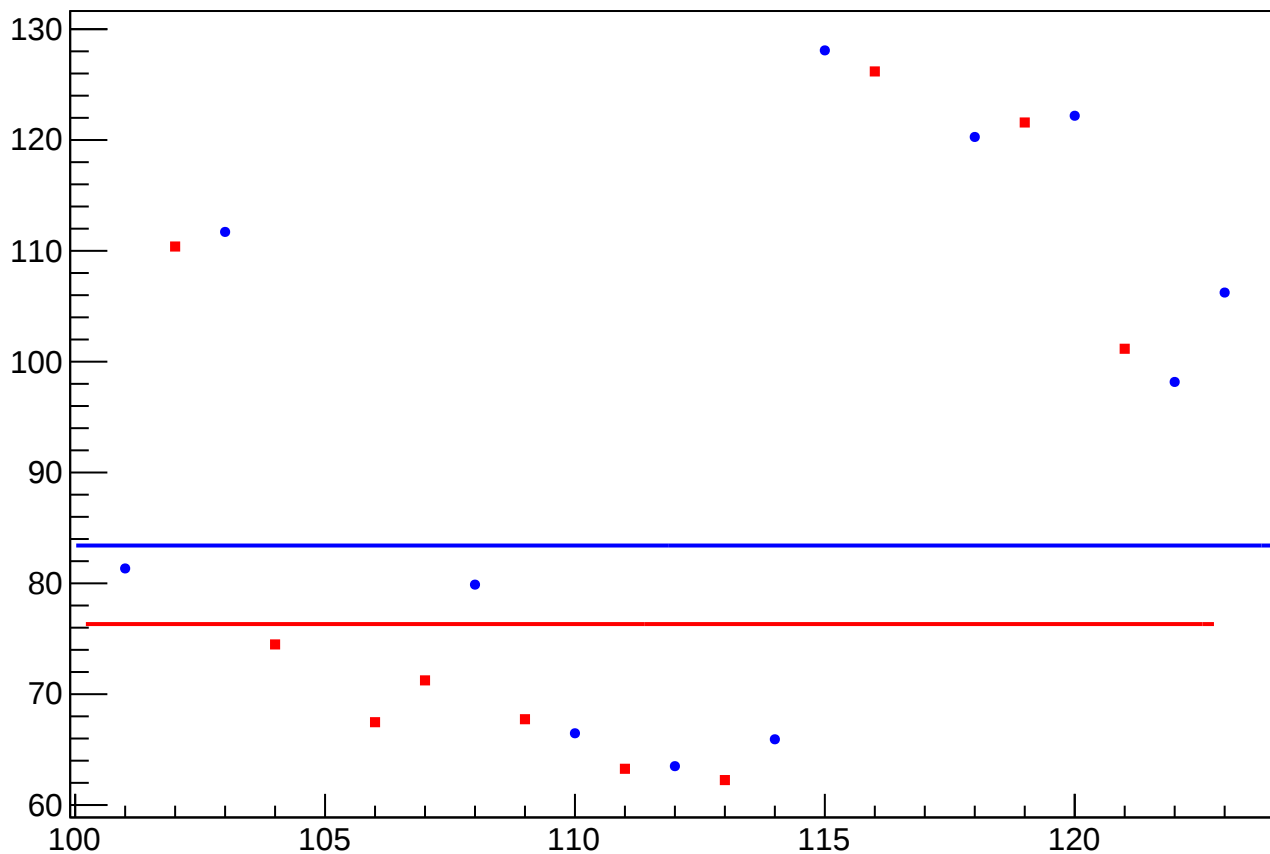
Right: 47.624 $\pm$ 29.121  $\chi^2$ /NDF: 24.2/20

In: 4.589 $\pm$ 43.851  $\chi^2$ /NDF:10.9/10

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

All: 47.624 $\pm$ 29.121  $\chi^2$ /NDF: 24.2/20

dit\_asym\_sam\_1548\_avg\_rms vs Slug, Sign Corrected



Right In: 83.413+/-0.031  $\chi^2/\text{NDF}$ : 444126.6/10

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

Right Out: 76.326+/-0.028  $\chi^2/\text{NDF}$ : 480733.7/9

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

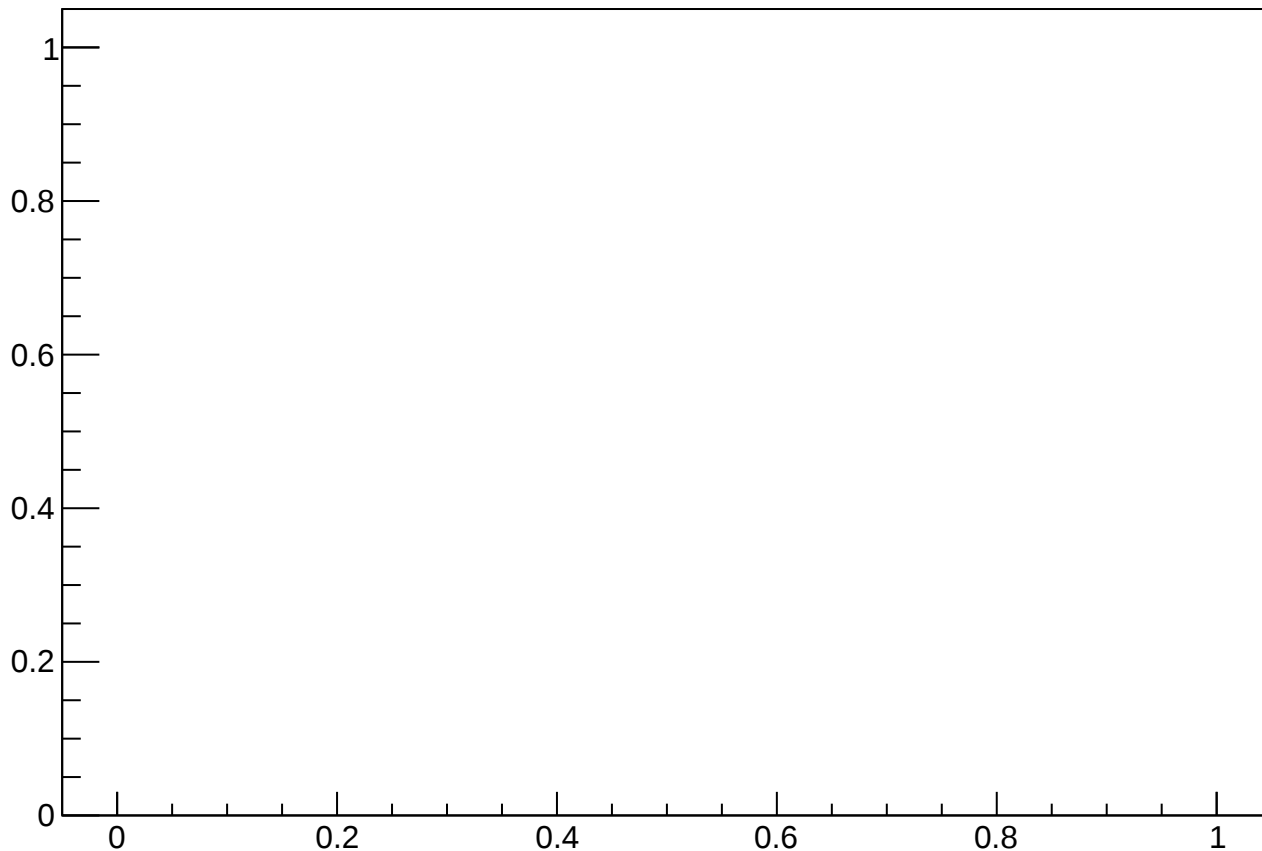
Right: 79.451+/-0.021  $\chi^2/\text{NDF}$ : 954058.9/20

In: 83.413+/-0.031  $\chi^2/\text{NDF}$ :444126.6/10

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

All: 79.451+/-0.021  $\chi^2/\text{NDF}$ : 954058.9/20

asym\_sam\_1548\_avg\_correction\_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

asym\_sam\_1548\_avg\_correction\_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

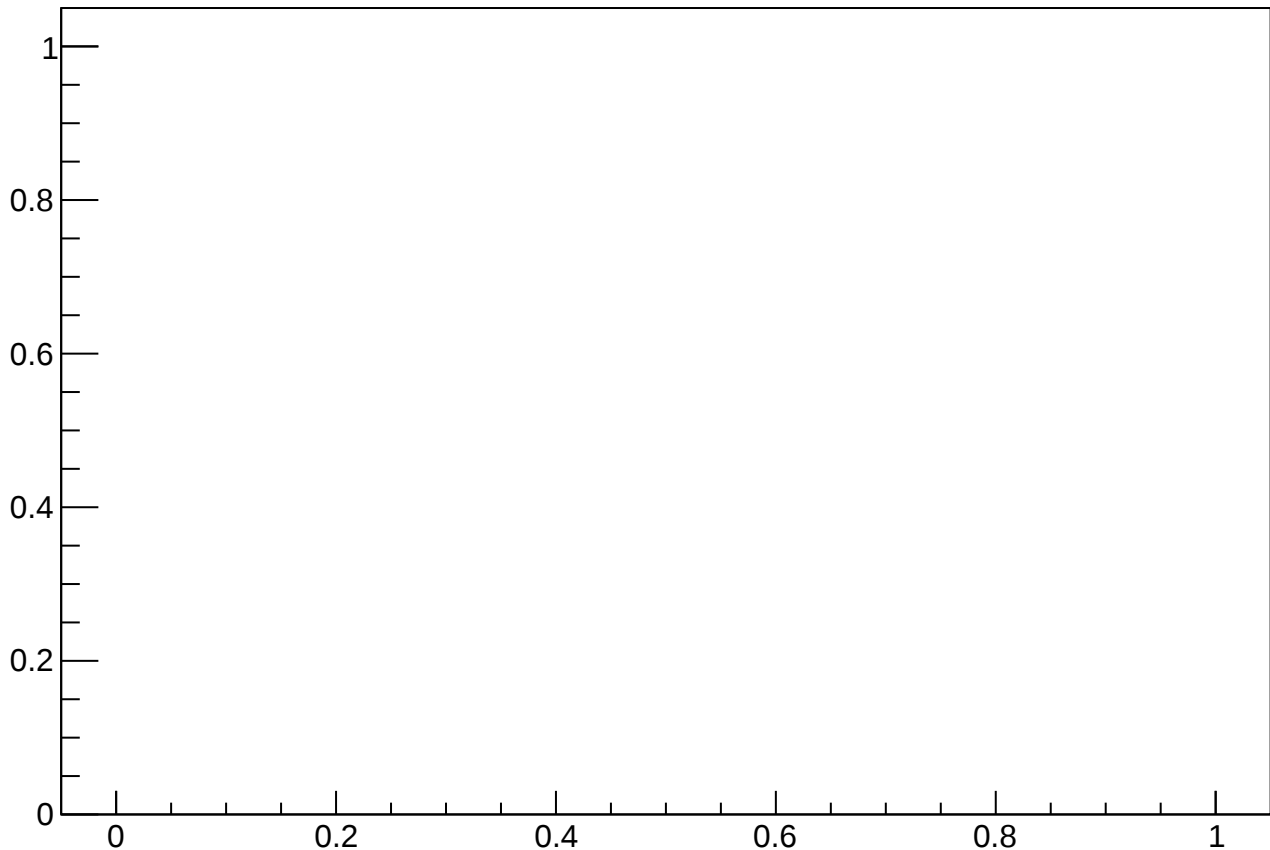
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

asym\_sam\_1548\_avg\_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

asym\_sam\_1548\_avg\_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

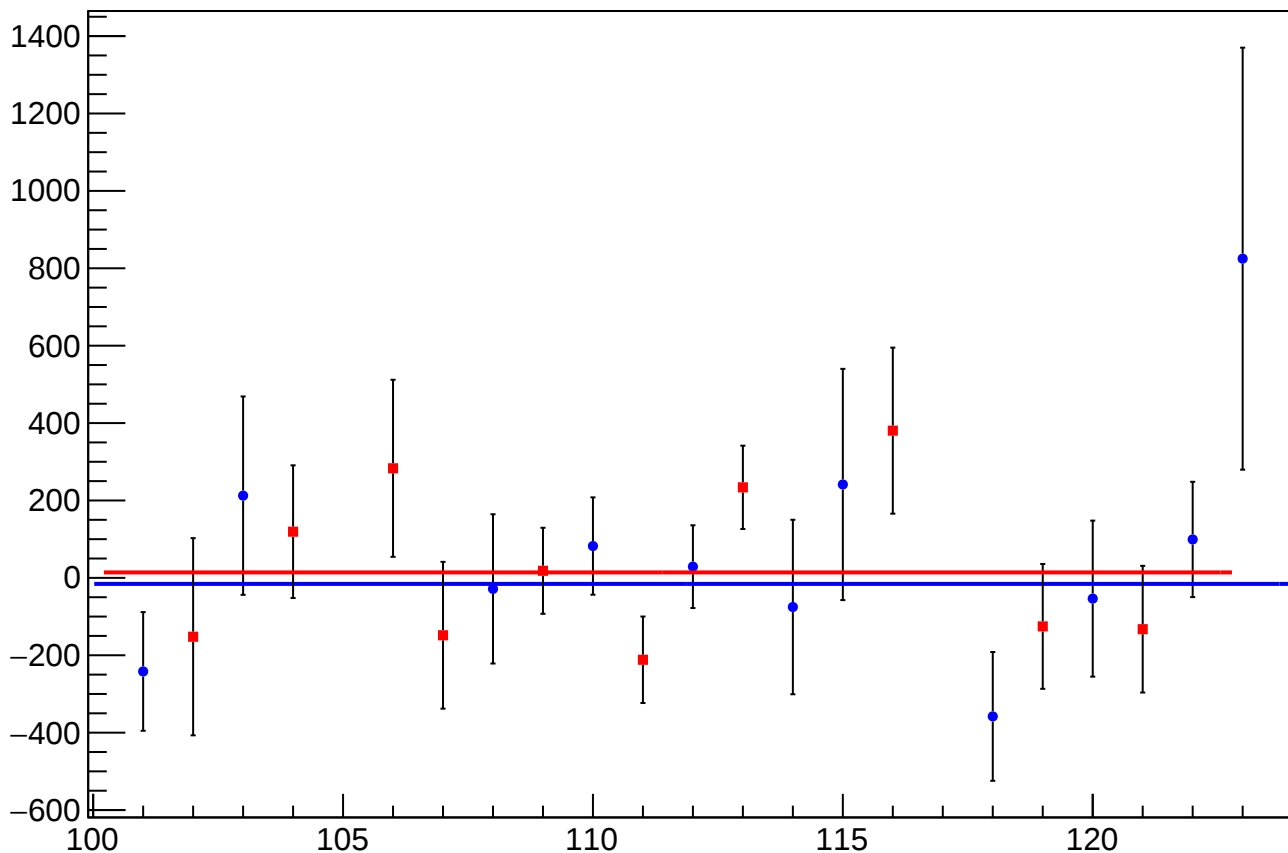
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_asym\_sam\_3748\_avg\_mean vs Slug, Sign Corrected



Right In: -15.608+/-51.617  $\chi^2$ /NDF: 11.8/10

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

Right Out: 14.098+/-47.606  $\chi^2$ /NDF: 15.6/9

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

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

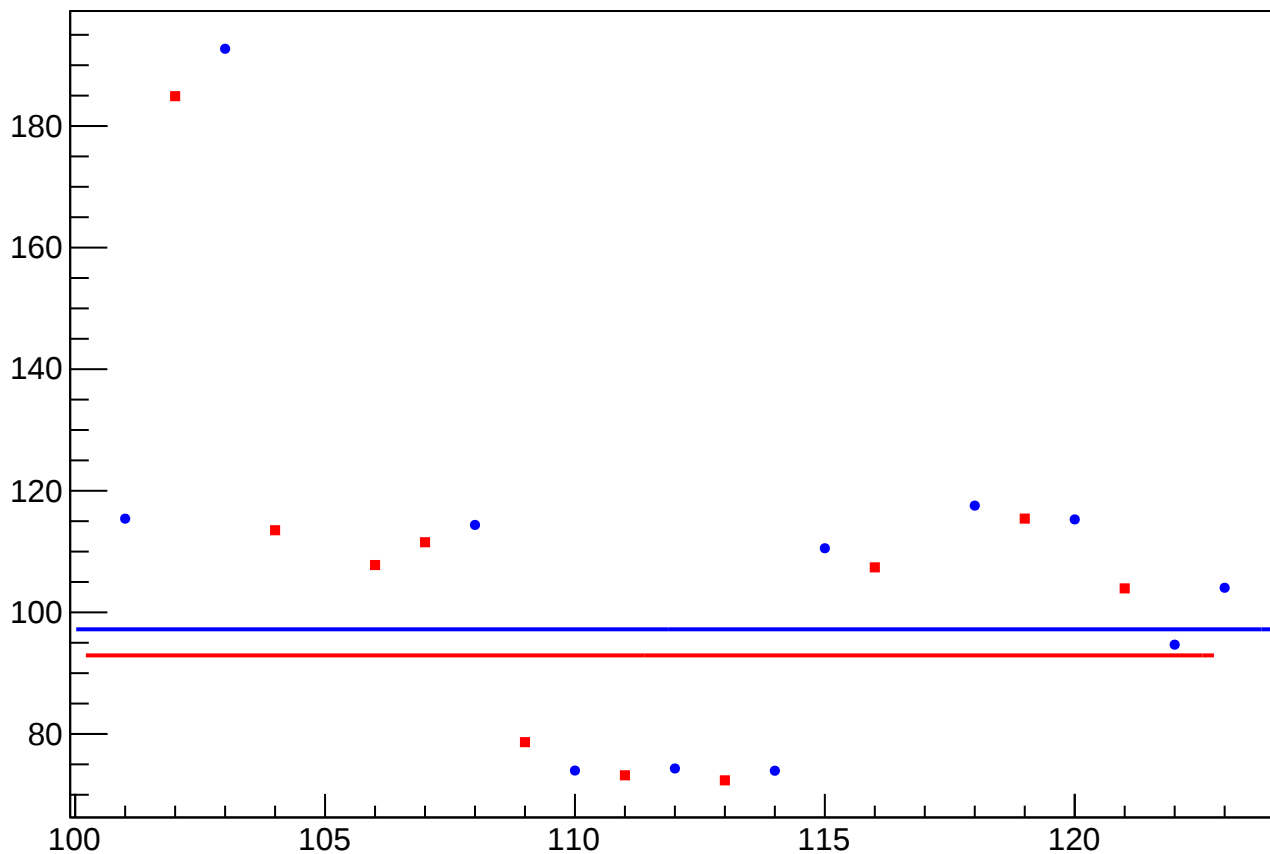
Right: 0.444+/-34.994  $\chi^2$ /NDF: 27.6/20

In: -15.608+/-51.617  $\chi^2$ /NDF:11.8/10

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

All: 0.444+/-34.994  $\chi^2$ /NDF: 27.6/20

dit\_asym\_sam\_3748\_avg\_rms vs Slug, Sign Corrected



Right In: 97.213+/-0.036  $\chi^2/\text{NDF}$ : 553740.1/10

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

Right Out: 92.924+/-0.034  $\chi^2/\text{NDF}$ : 542578.8/9

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: 94.895+/-0.025  $\chi^2/\text{NDF}$ : 1103781.8/20

In: 97.213+/-0.036  $\chi^2/\text{NDF}$ : 553740.1/10

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

All: 94.895+/-0.025  $\chi^2/\text{NDF}$ : 1103781.8/20

asym\_sam\_3748\_avg\_correction\_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

asym\_sam\_3748\_avg\_correction\_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

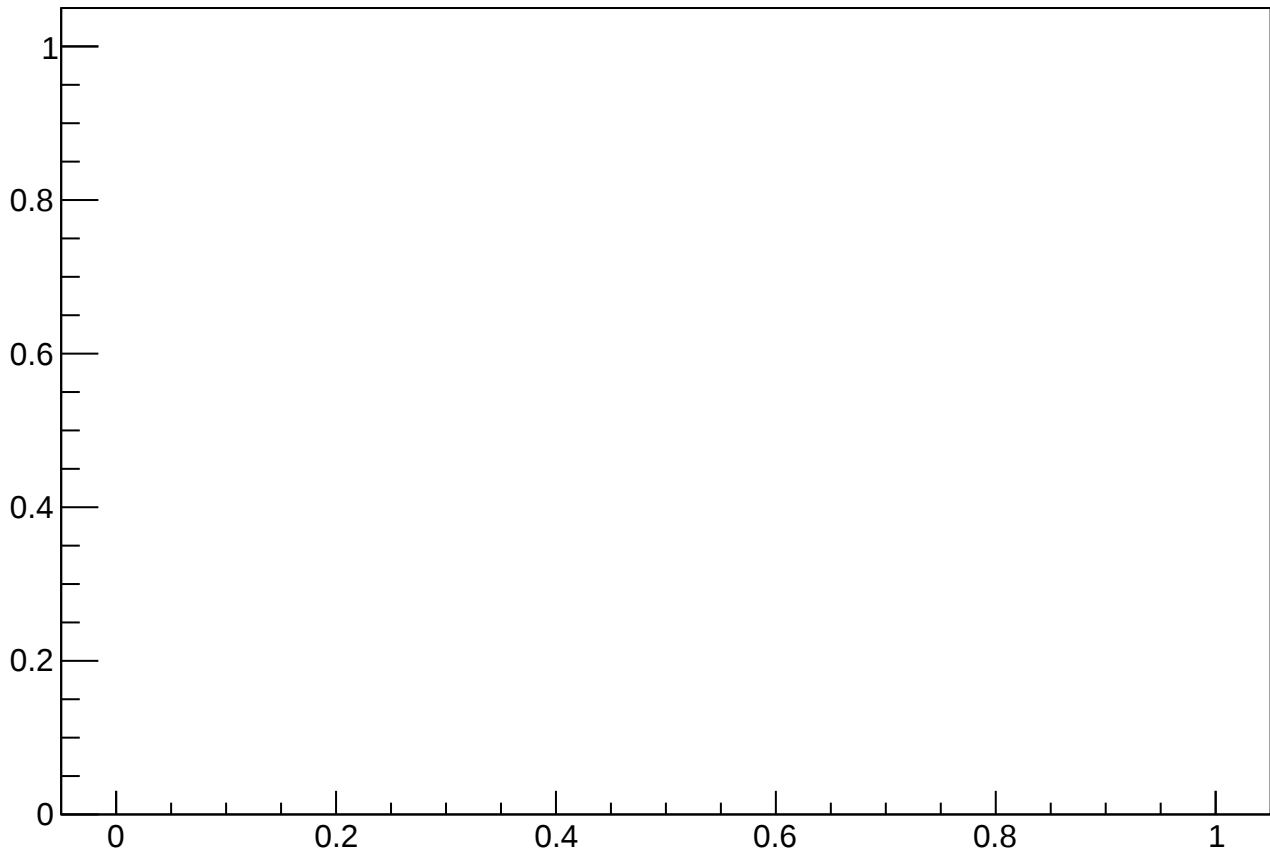
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

asym\_sam\_3748\_avg\_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

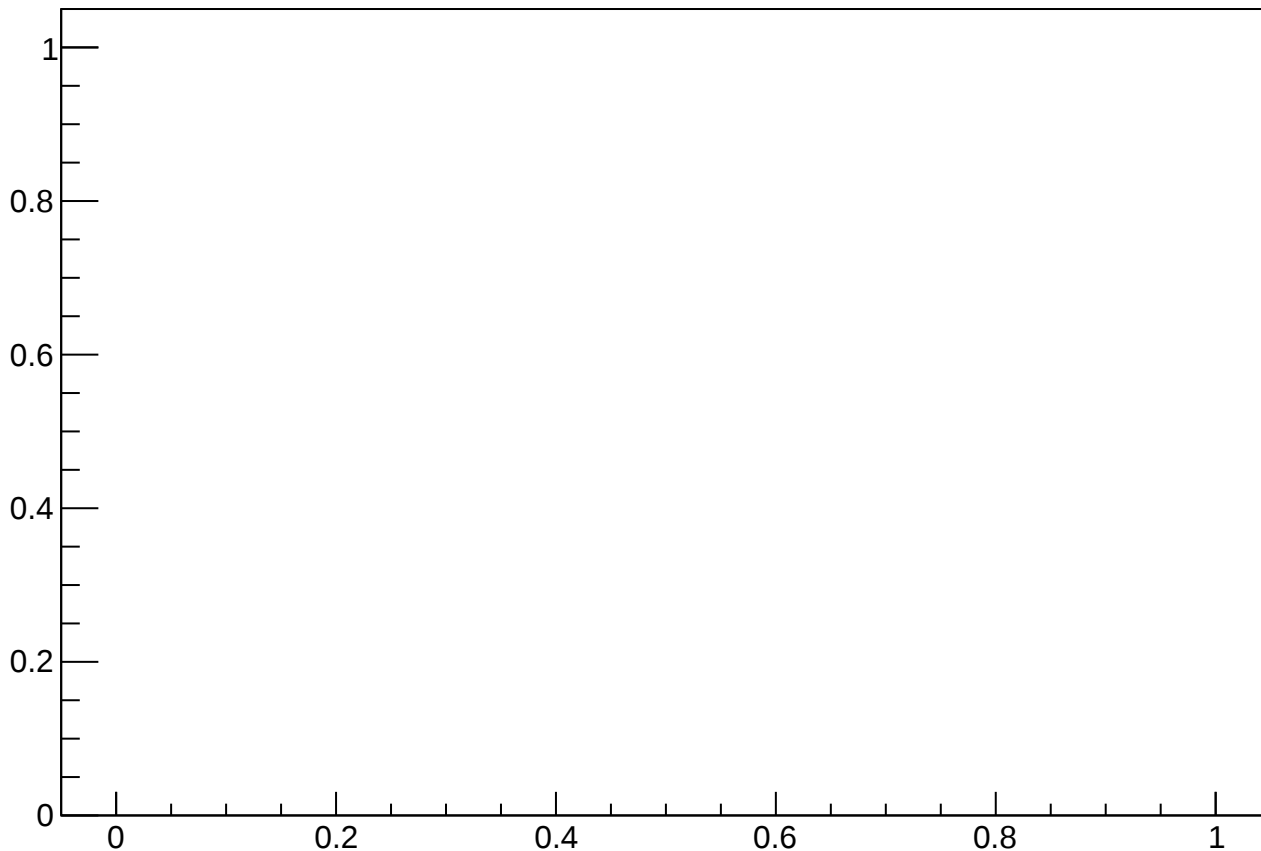
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

asym\_sam\_3748\_avg\_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

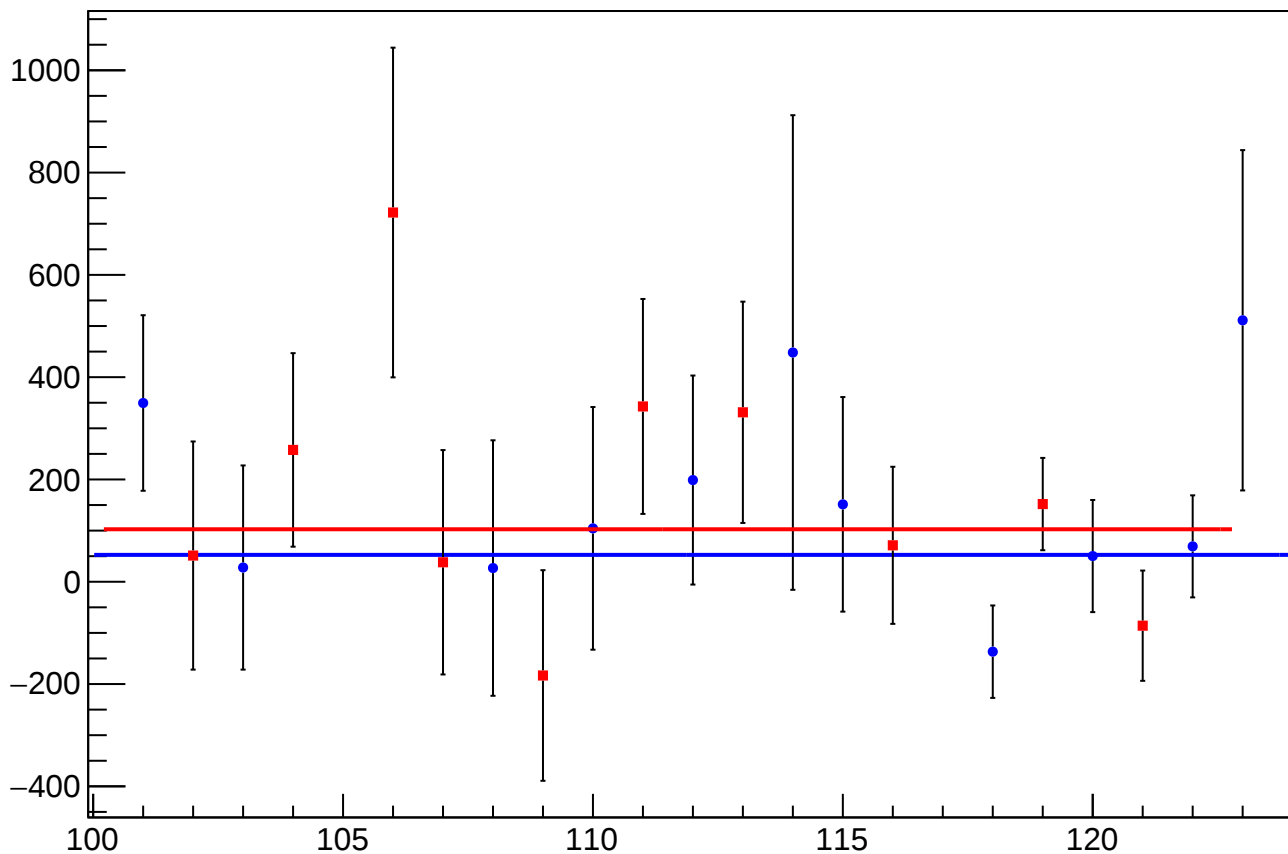
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_asym\_sam\_1526\_avg\_mean vs Slug, Sign Corrected



Right In: 52.561+/-46.658  $\chi^2/\text{NDF}$ : 10.8/10

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

Right Out: 102.619+/-50.168  $\chi^2/\text{NDF}$ : 12.3/9

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

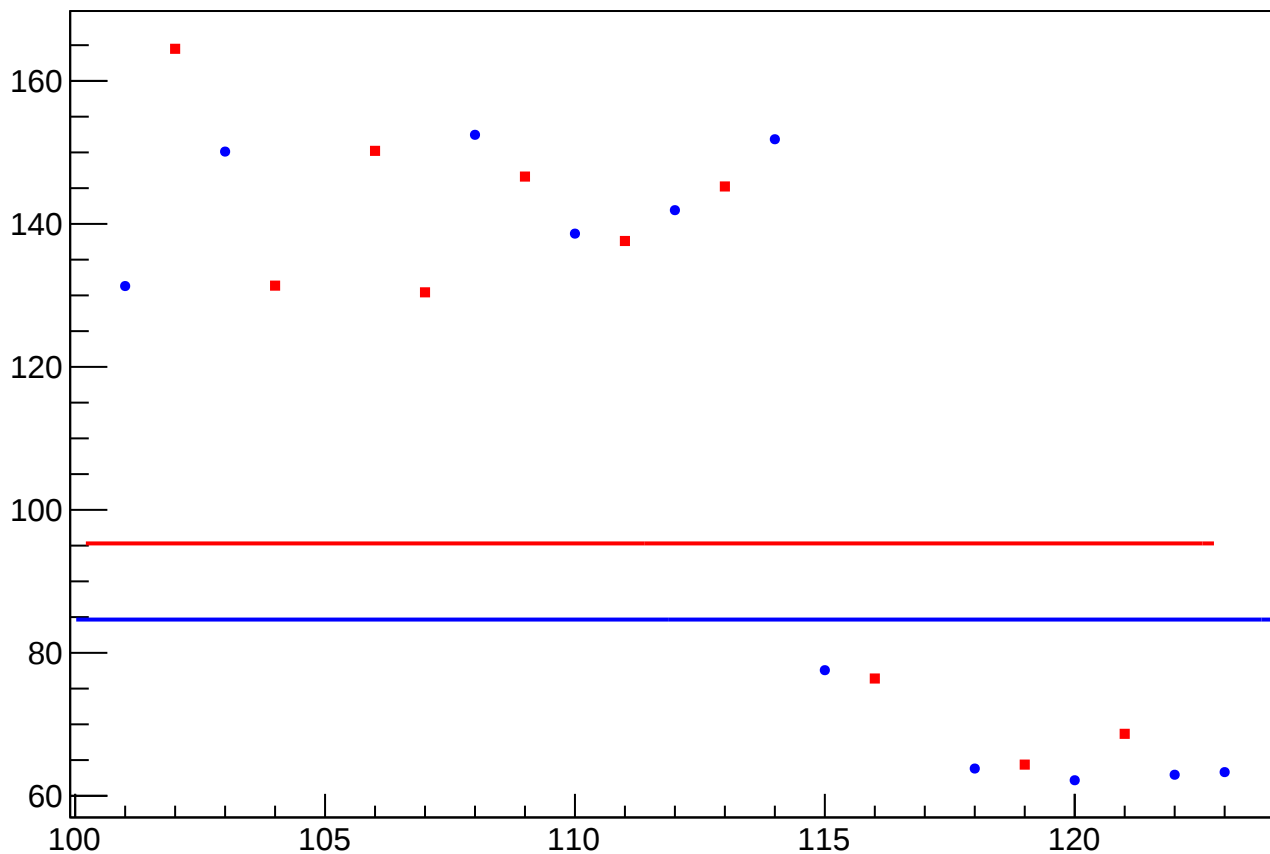
Right: 75.778+/-34.166  $\chi^2/\text{NDF}$ : 23.6/20

In: 52.561+/-46.658  $\chi^2/\text{NDF}$ : 10.8/10

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

All: 75.778+/-34.166  $\chi^2/\text{NDF}$ : 23.6/20

dit\_asym\_sam\_1526\_avg\_rms vs Slug, Sign Corrected



Right In: 84.656+/-0.033  $\chi^2/\text{NDF}$ : 1108529.0/10

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

Right Out: 95.306+/-0.035  $\chi^2/\text{NDF}$ : 1073789.3/9

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: 89.595+/-0.024  $\chi^2/\text{NDF}$ : 2230646.7/20

In: 84.656+/-0.033  $\chi^2/\text{NDF}$ :1108529.0/10

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

All: 89.595+/-0.024  $\chi^2/\text{NDF}$ : 2230646.7/20

asym\_sam\_1526\_avg\_correction\_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

asym\_sam\_1526\_avg\_correction\_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

asym\_sam\_1526\_avg\_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

asym\_sam\_1526\_avg\_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

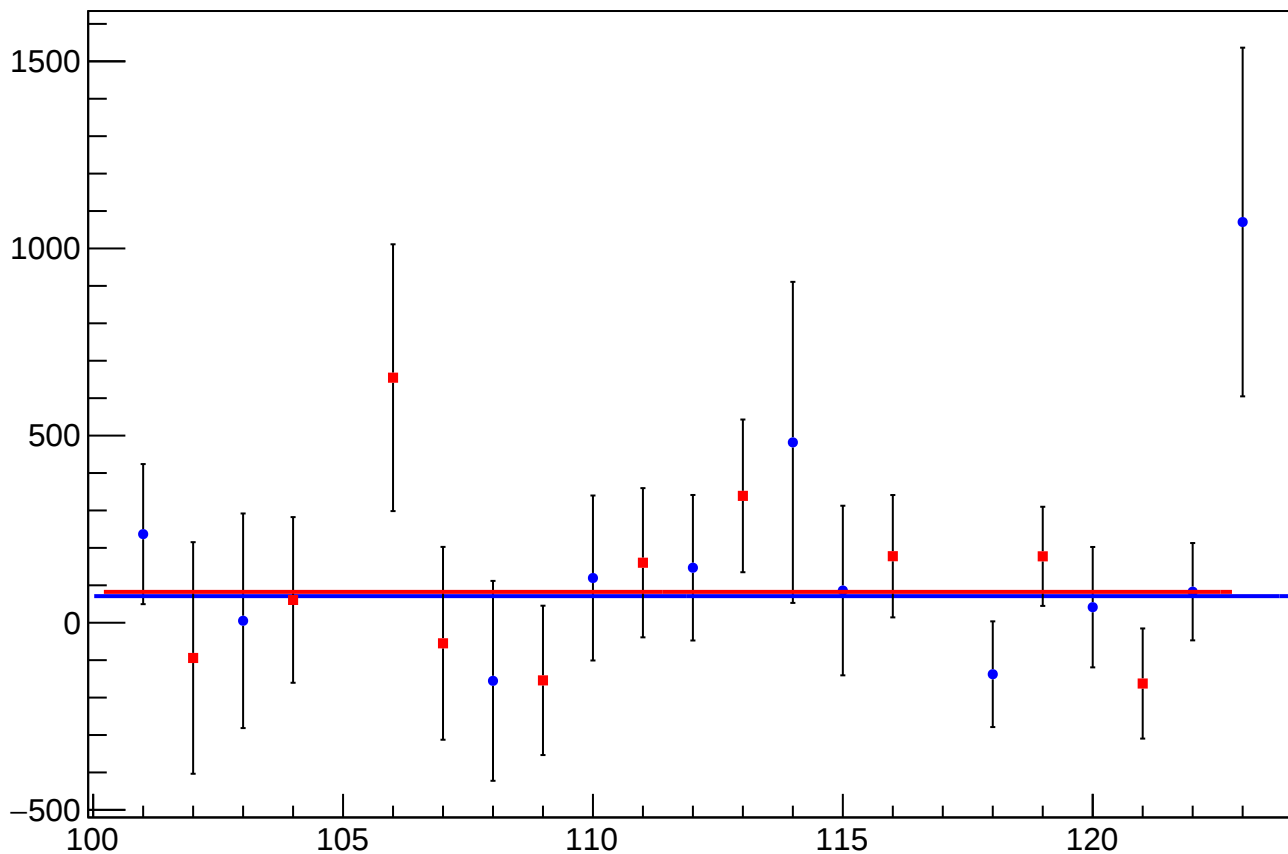
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_asym\_sam\_3726\_avg\_mean vs Slug, Sign Corrected



Right In: 71.050+/-59.841  $\chi^2/\text{NDF}$ : 9.5/10

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

Right Out: 82.460+/-61.002  $\chi^2/\text{NDF}$ : 10.0/9

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

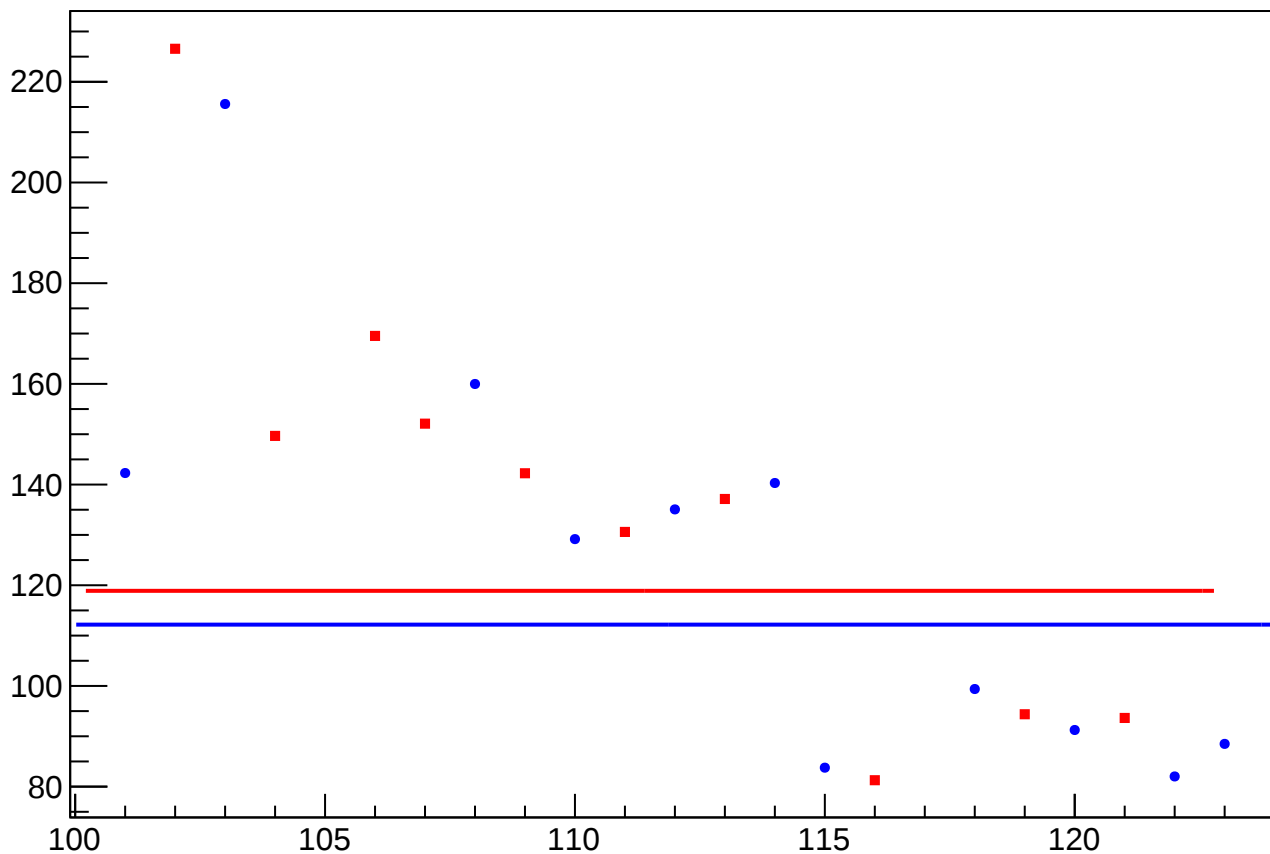
Right: 76.645+/-42.719  $\chi^2/\text{NDF}$ : 19.5/20

In: 71.050+/-59.841  $\chi^2/\text{NDF}$ :9.5/10

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

All: 76.645+/-42.719  $\chi^2/\text{NDF}$ : 19.5/20

dit\_asym\_sam\_3726\_avg\_rms vs Slug, Sign Corrected



Right In: 112.179+/-0.042  $\chi^2/\text{NDF}$ : 618829.2/10

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

Right Out: 118.892+/-0.043  $\chi^2/\text{NDF}$ : 638092.1/9

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: 115.471+/-0.030  $\chi^2/\text{NDF}$ : 1269264.3/20

In: 112.179+/-0.042  $\chi^2/\text{NDF}$ : 618829.2/10

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

All: 115.471+/-0.030  $\chi^2/\text{NDF}$ : 1269264.3/20

asym\_sam\_3726\_avg\_correction\_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

asym\_sam\_3726\_avg\_correction\_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

asym\_sam\_3726\_avg\_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

asym\_sam\_3726\_avg\_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

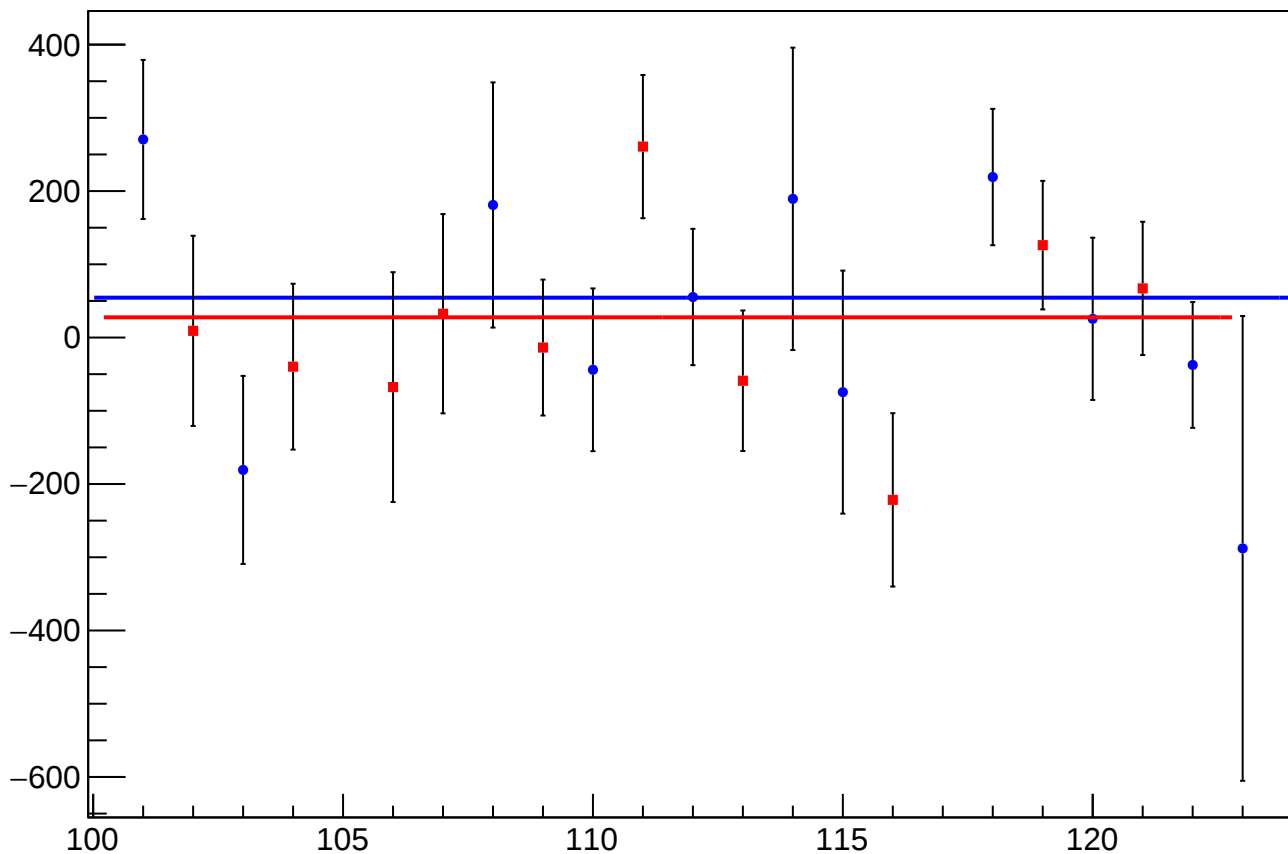
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_asym\_sam\_15\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 54.439+/-35.812  $\chi^2/\text{NDF}$ : 15.2/10

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

Right Out: 27.613+/-33.647  $\chi^2/\text{NDF}$ : 13.3/9

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

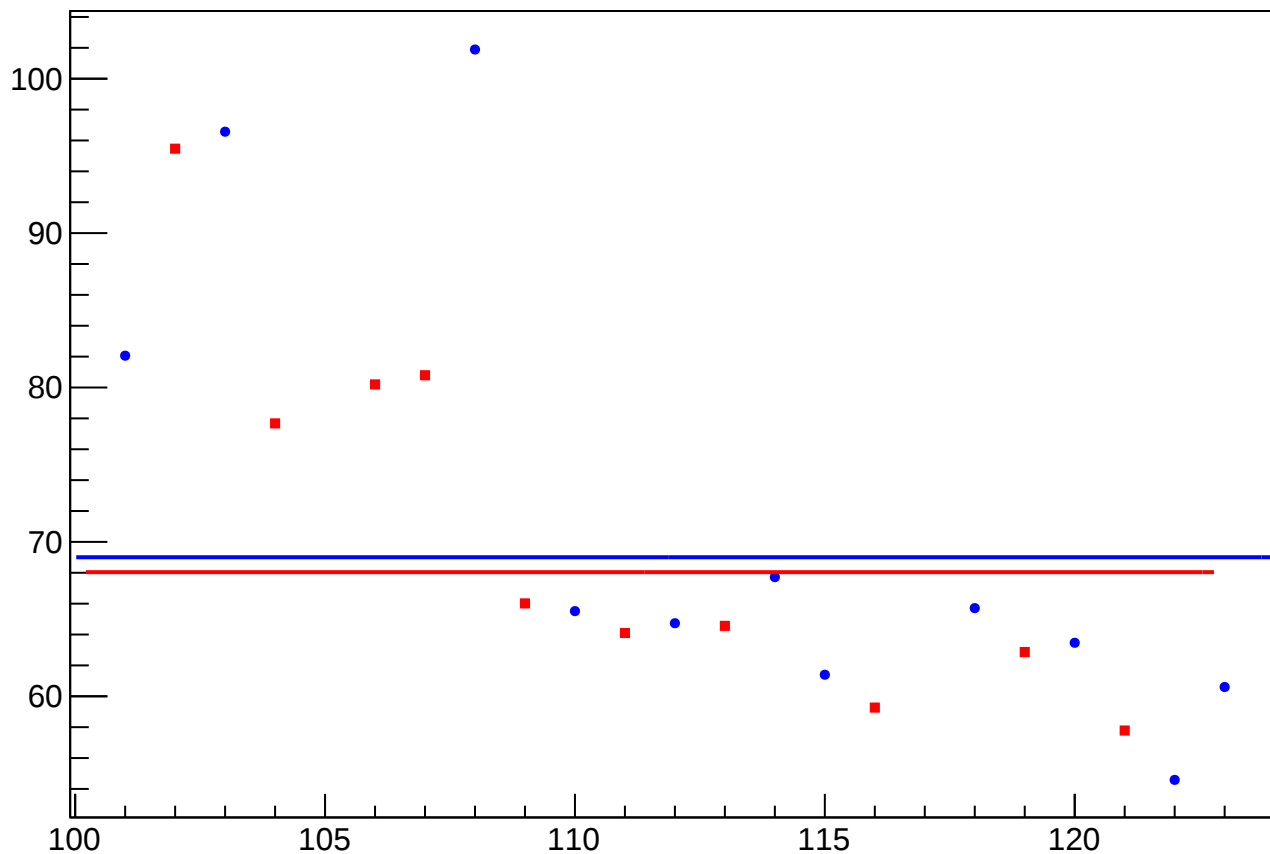
Right: 40.191+/-24.522  $\chi^2/\text{NDF}$ : 28.8/20

In: 54.439+/-35.812  $\chi^2/\text{NDF}$ : 15.2/10

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

All: 40.191+/-24.522  $\chi^2/\text{NDF}$ : 28.8/20

dit\_asym\_sam\_15\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 69.006+/-0.025  $\chi^2/\text{NDF}$ : 273995.5/10

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

Right Out: 68.040+/-0.024  $\chi^2/\text{NDF}$ : 183502.5/9

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

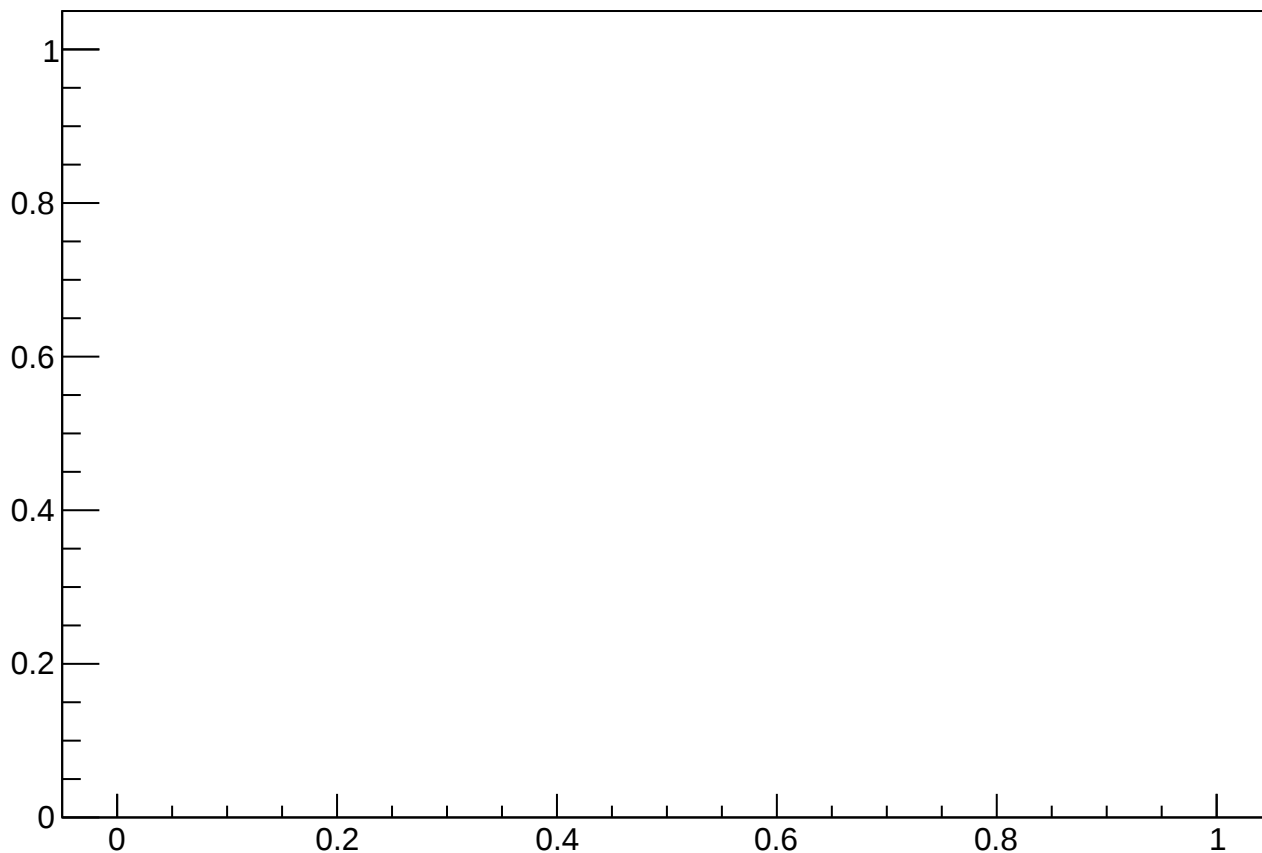
Right: 68.493+/-0.017  $\chi^2/\text{NDF}$ : 458271.4/20

In: 69.006+/-0.025  $\chi^2/\text{NDF}$ : 273995.5/10

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

All: 68.493+/-0.017  $\chi^2/\text{NDF}$ : 458271.4/20

asym\_sam\_15\_48\_dd\_correction\_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

asym\_sam\_15\_48\_dd\_correction\_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

asym\_sam\_15\_48\_dd\_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

asym\_sam\_15\_48\_dd\_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

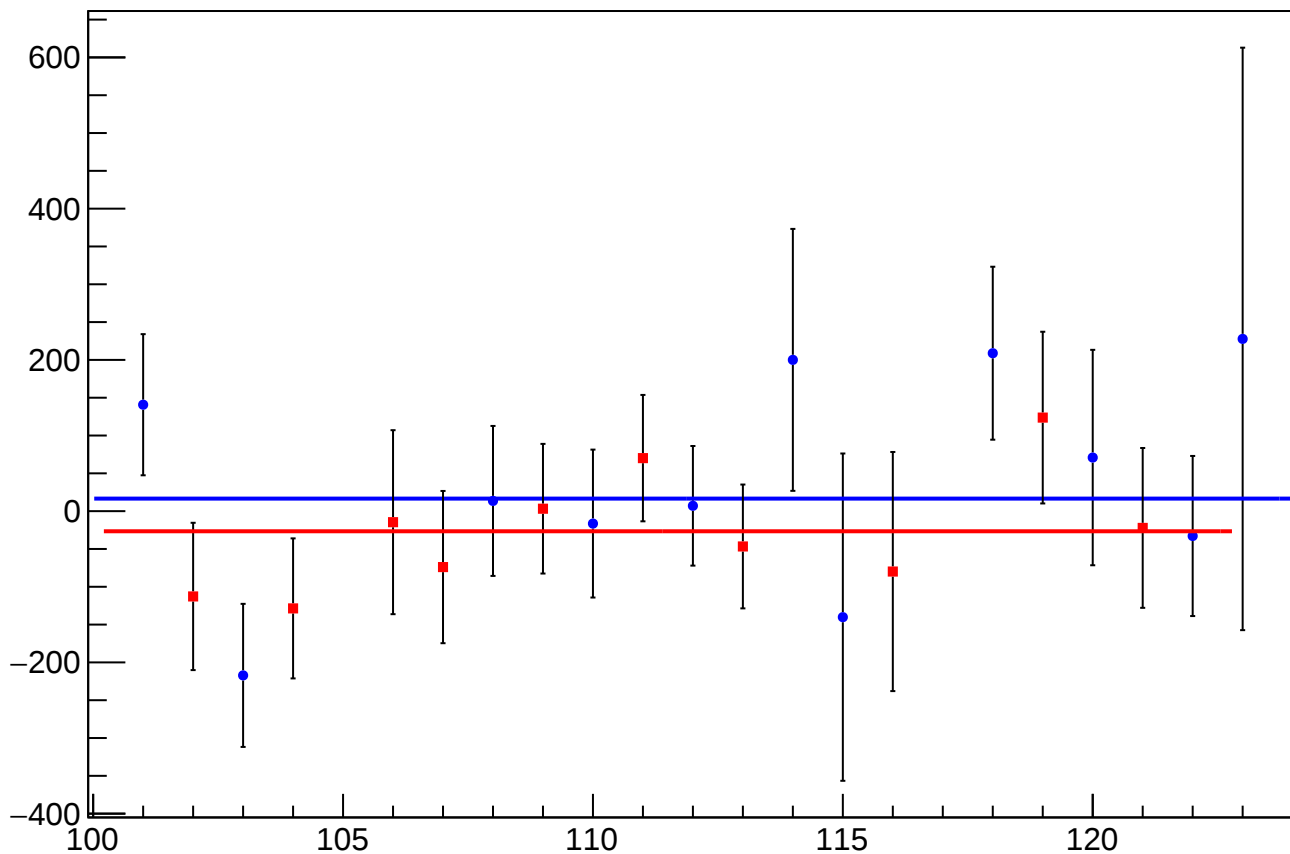
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_asym\_sam\_37\_48\_dd\_mean vs Slug, Sign Corrected



Right In: 16.591+/-33.920  $\chi^2/\text{NDF}$ : 13.1/10

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

Right Out: -26.605+/-31.251  $\chi^2/\text{NDF}$ : 5.6/9

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

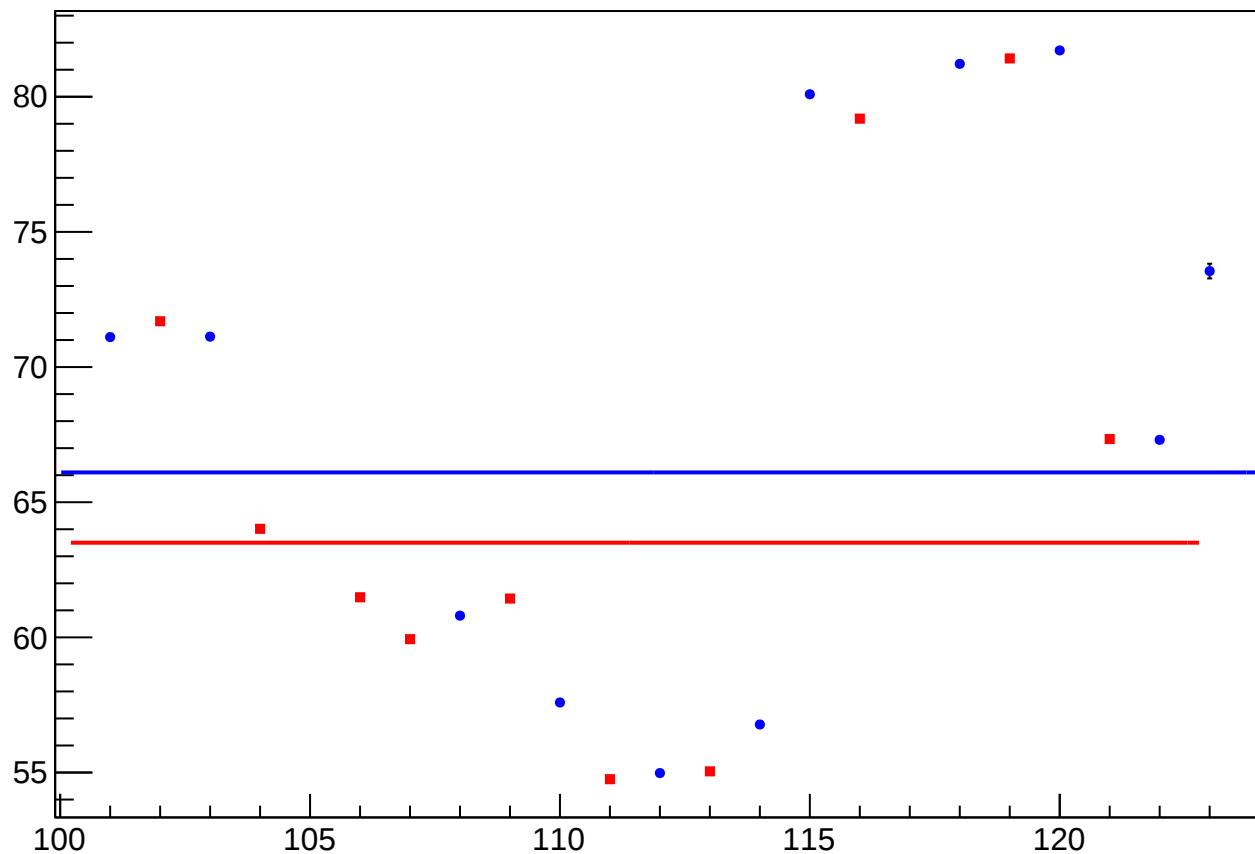
Right: -6.773+/-22.983  $\chi^2/\text{NDF}$ : 19.6/20

In: 16.591+/-33.920  $\chi^2/\text{NDF}$ : 13.1/10

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

All: -6.773+/-22.983  $\chi^2/\text{NDF}$ : 19.6/20

dit\_asym\_sam\_37\_48\_dd\_rms vs Slug, Sign Corrected



Right In: 66.102 $\pm$ 0.024  $\chi^2$ /NDF: 145952.5/10

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

Right Out: 63.503 $\pm$ 0.022  $\chi^2$ /NDF: 133840.8/9

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: 64.696 $\pm$ 0.016  $\chi^2$ /NDF: 286148.2/20

In: 66.102 $\pm$ 0.024  $\chi^2$ /NDF:145952.5/10

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

All: 64.696 $\pm$ 0.016  $\chi^2$ /NDF: 286148.2/20

asym\_sam\_37\_48\_dd\_correction\_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

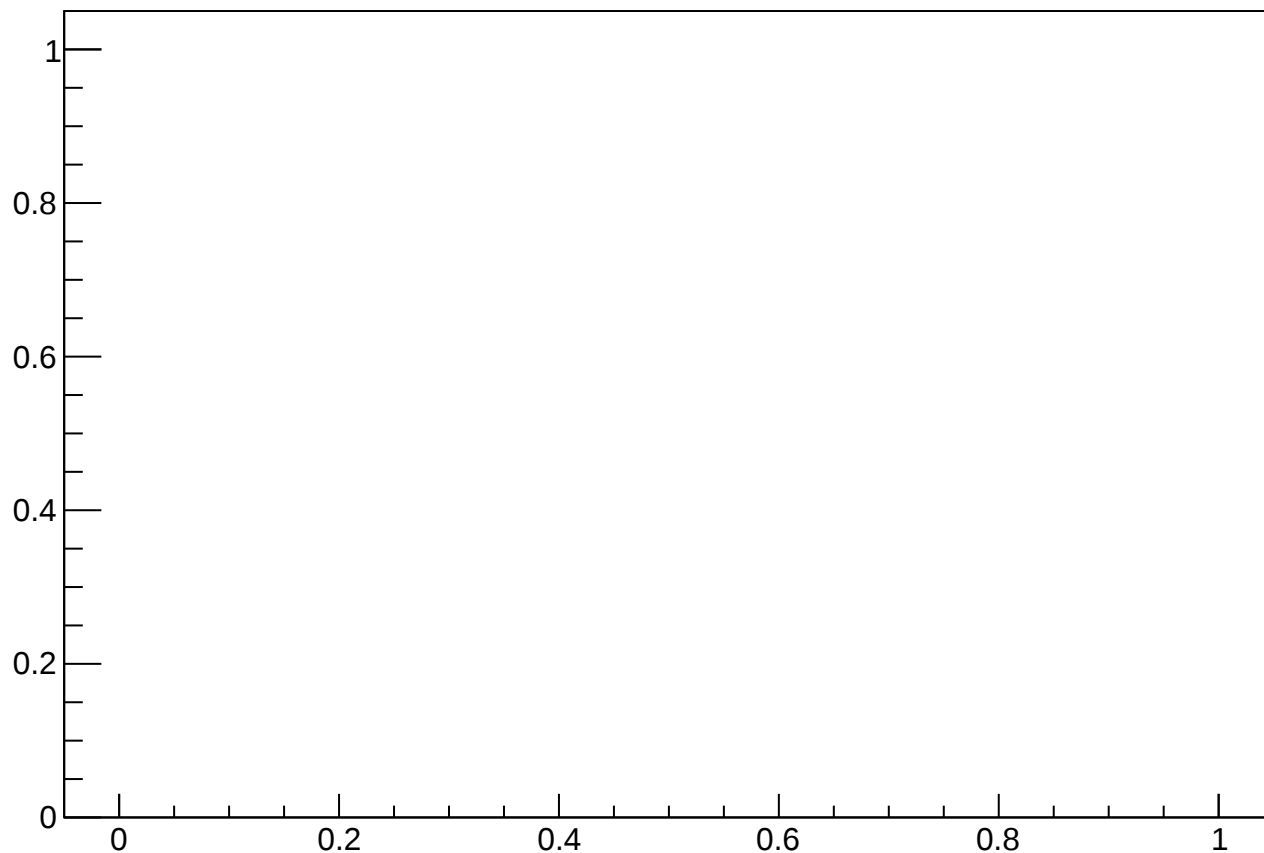
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

asym\_sam\_37\_48\_dd\_correction\_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

asym\_sam\_37\_48\_dd\_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

asym\_sam\_37\_48\_dd\_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

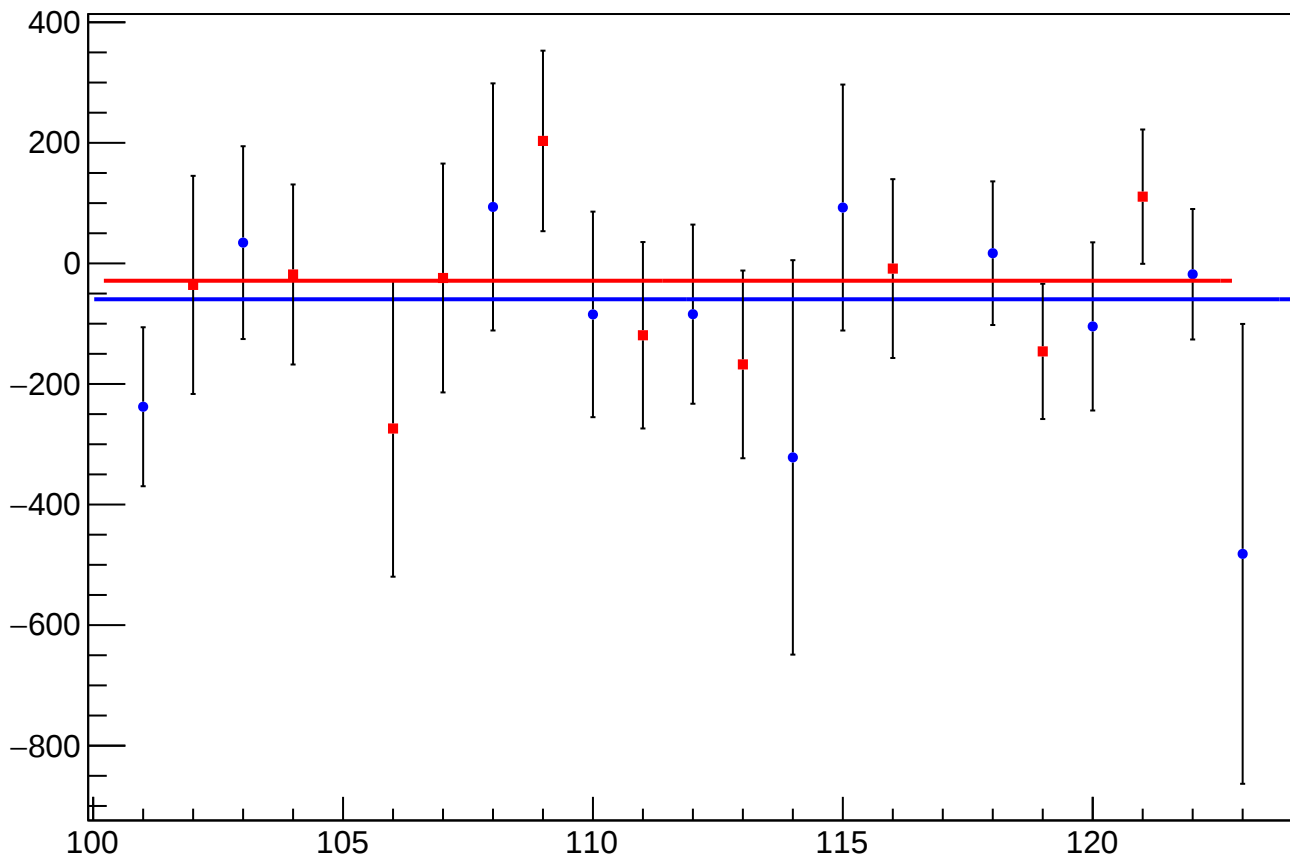
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_asym\_sam\_15\_26\_dd\_mean vs Slug, Sign Corrected



Right In:  $-59.492 \pm 47.266$   $\chi^2/\text{NDF}$ : 5.9/10

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

Right Out:  $-28.752 \pm 46.991$   $\chi^2/\text{NDF}$ : 7.2/9

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

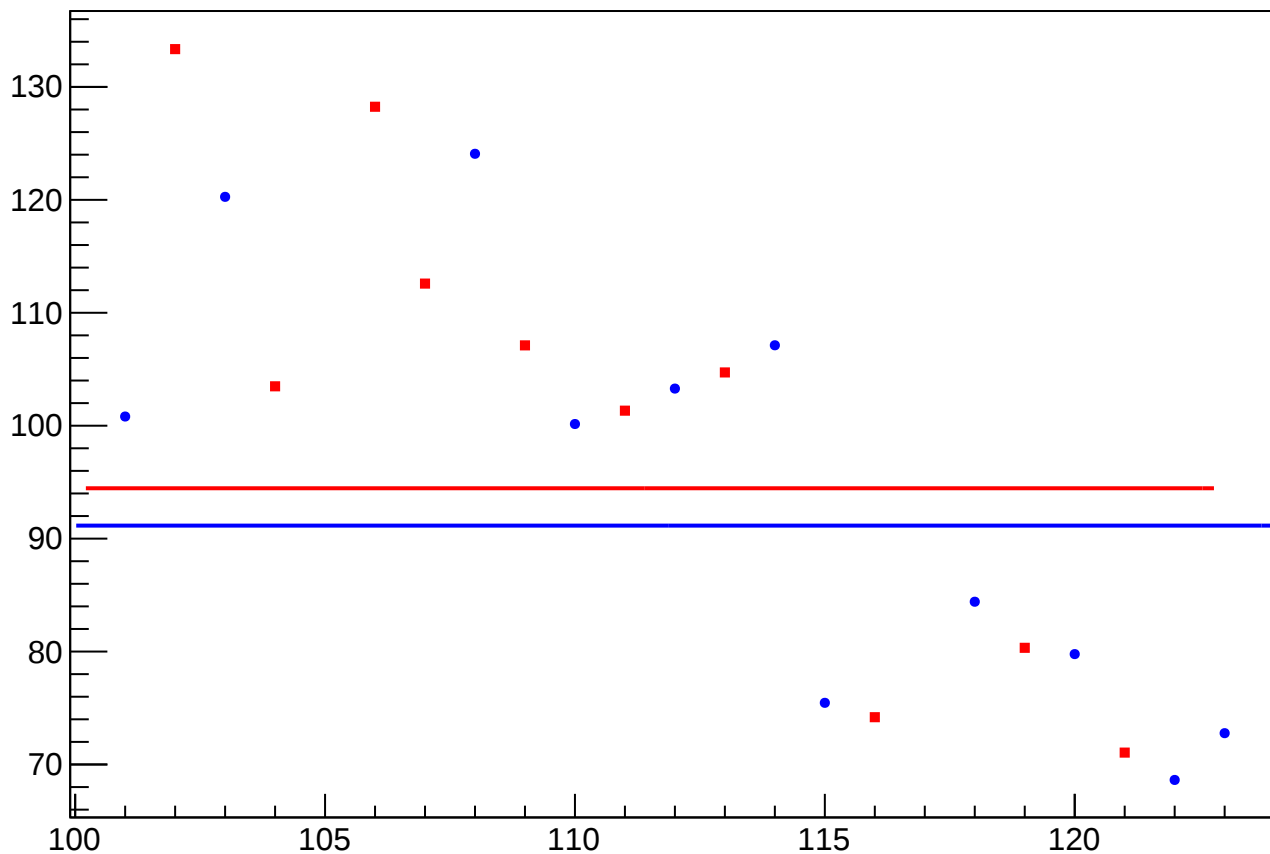
Right:  $-44.033 \pm 33.325$   $\chi^2/\text{NDF}$ : 13.3/20

In:  $-59.492 \pm 47.266$   $\chi^2/\text{NDF}$ : 5.9/10

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

All:  $-44.033 \pm 33.325$   $\chi^2/\text{NDF}$ : 13.3/20

dit\_asym\_sam\_15\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 91.153+/-0.033  $\chi^2/\text{NDF}$ : 275121.1/10

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

Right Out: 94.460+/-0.033  $\chi^2/\text{NDF}$ : 340017.5/9

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: 92.816+/-0.024  $\chi^2/\text{NDF}$ : 620062.6/20

In: 91.153+/-0.033  $\chi^2/\text{NDF}$ : 275121.1/10

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

All: 92.816+/-0.024  $\chi^2/\text{NDF}$ : 620062.6/20

asym\_sam\_15\_26\_dd\_correction\_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

asym\_sam\_15\_26\_dd\_correction\_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

asym\_sam\_15\_26\_dd\_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

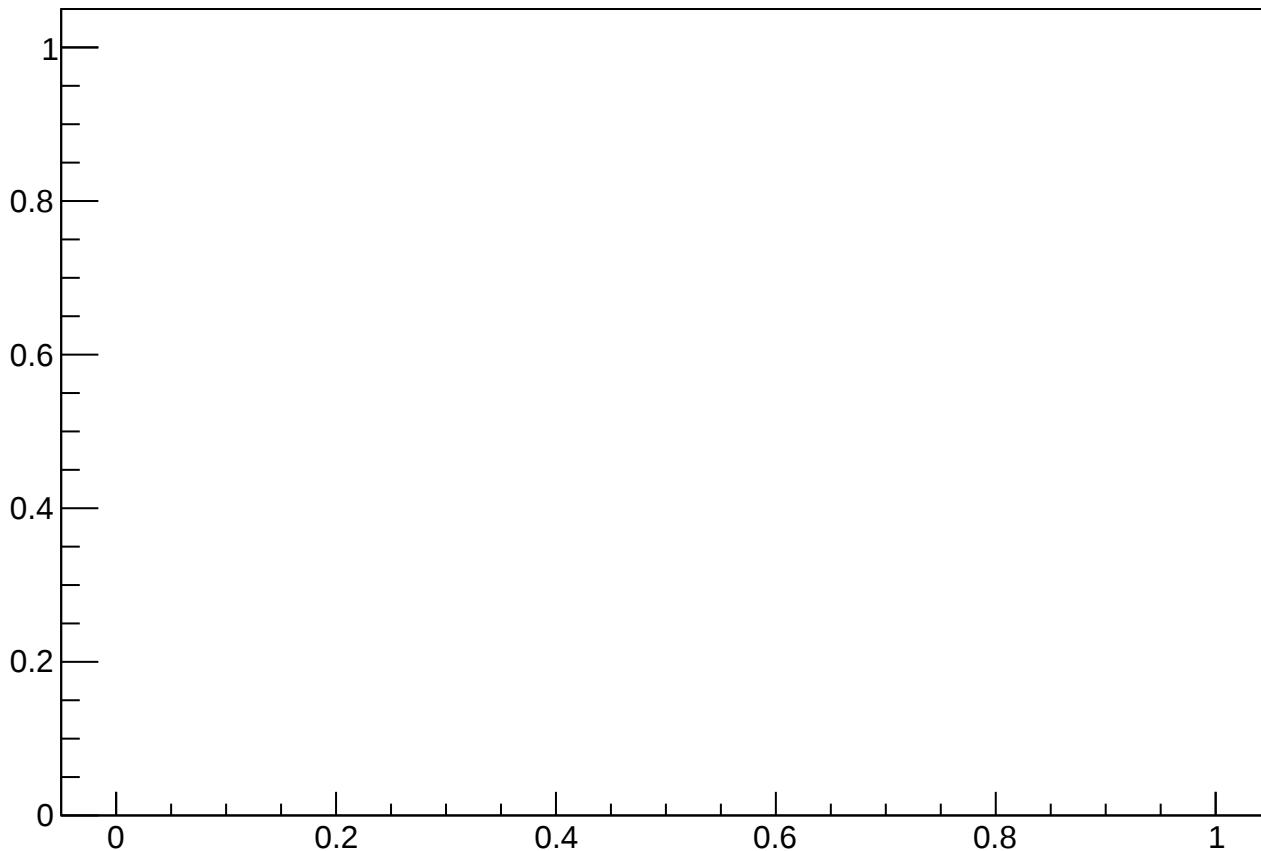
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

asym\_sam\_15\_26\_dd\_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

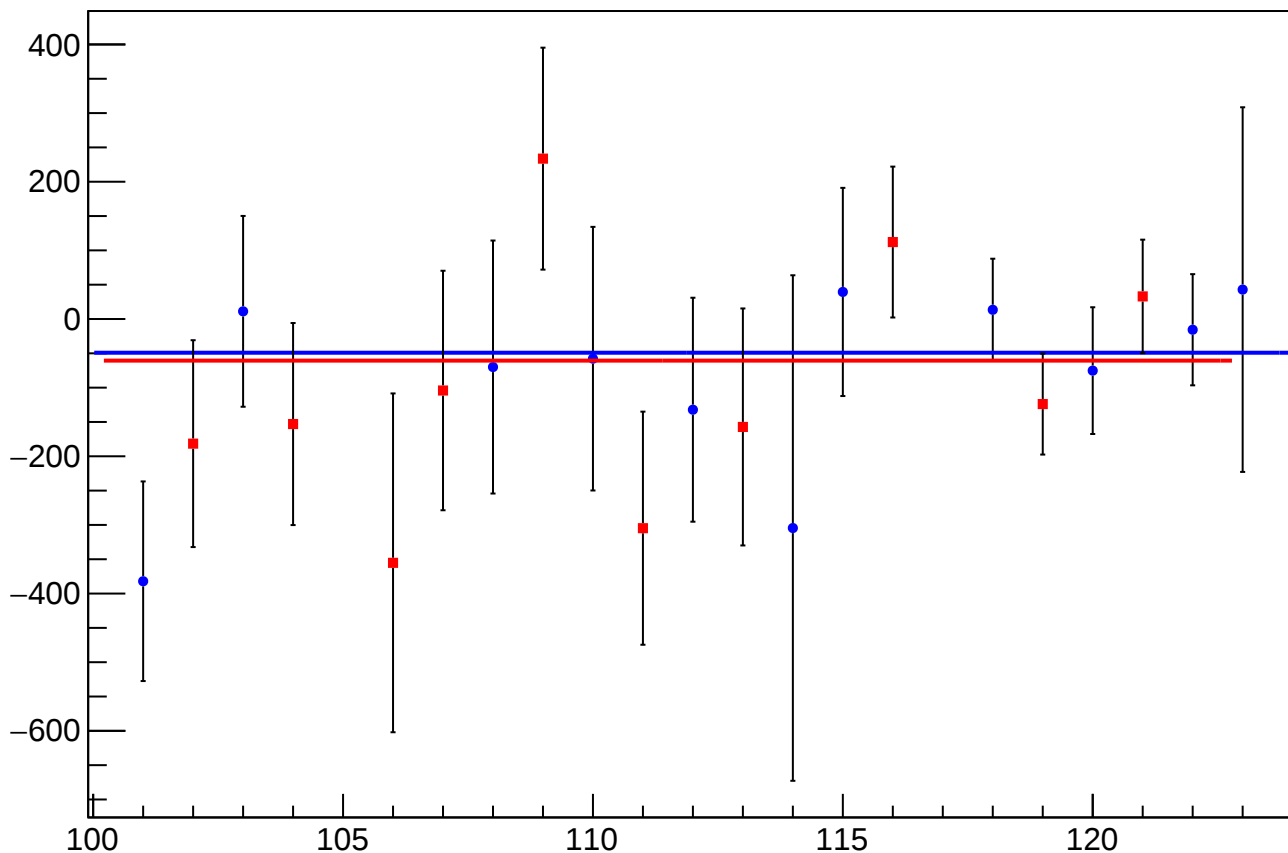
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_asym\_sam\_37\_26\_dd\_mean vs Slug, Sign Corrected



Right In: -49.112 $\pm$ 37.570  $\chi^2$ /NDF: 7.6/10

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

Right Out: -60.624 $\pm$ 38.934  $\chi^2$ /NDF: 12.7/9

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

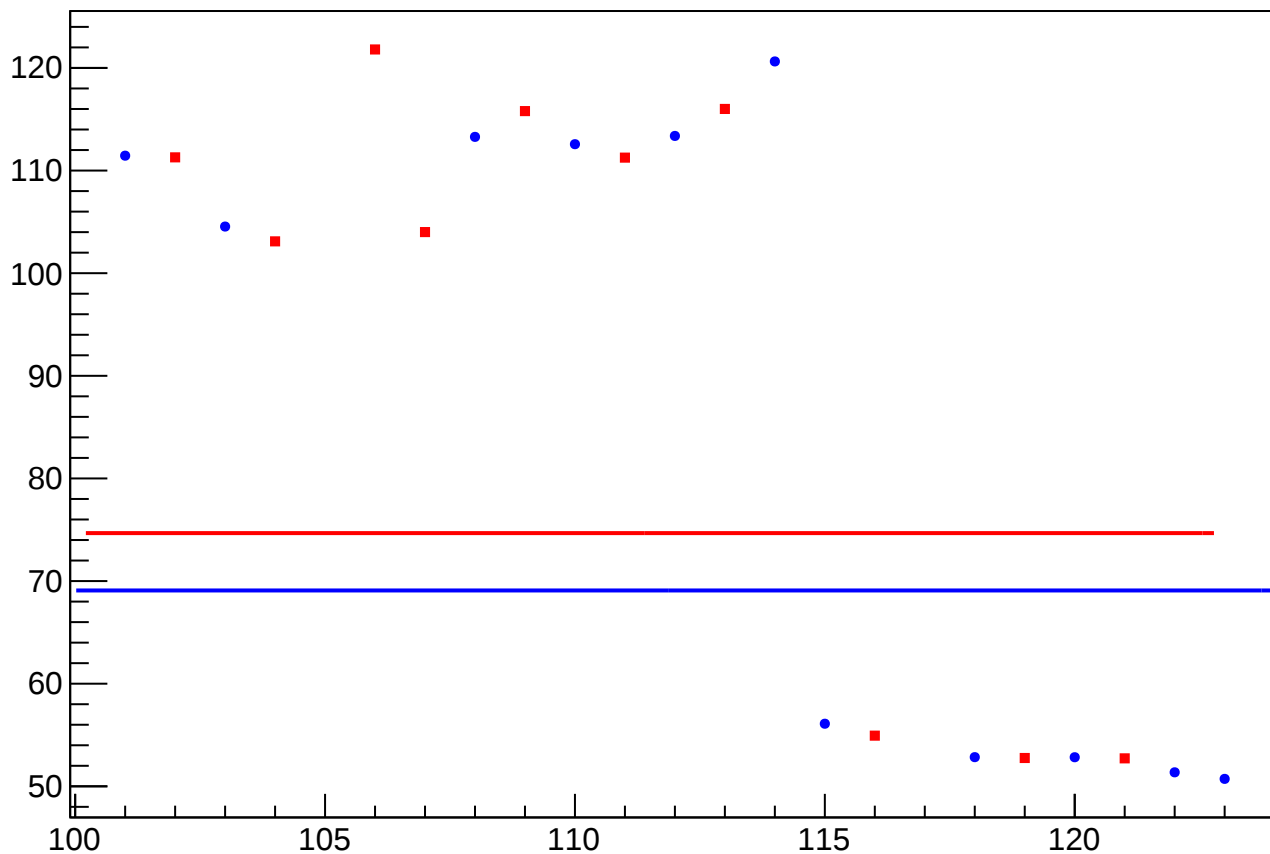
Right: -54.663 $\pm$ 27.035  $\chi^2$ /NDF: 20.4/20

In: -49.112 $\pm$ 37.570  $\chi^2$ /NDF:7.6/10

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

All: -54.663 $\pm$ 27.035  $\chi^2$ /NDF: 20.4/20

dit\_asym\_sam\_37\_26\_dd\_rms vs Slug, Sign Corrected



Right In: 69.085+/-0.027  $\chi^2/\text{NDF}$ : 981273.6/10

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

Right Out: 74.674+/-0.028  $\chi^2/\text{NDF}$ : 1041774.6/9

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: 71.780+/-0.019  $\chi^2/\text{NDF}$ : 2044389.3/20

In: 69.085+/-0.027  $\chi^2/\text{NDF}$ : 981273.6/10

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

All: 71.780+/-0.019  $\chi^2/\text{NDF}$ : 2044389.3/20

asym\_sam\_37\_26\_dd\_correction\_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

asym\_sam\_37\_26\_dd\_correction\_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

asym\_sam\_37\_26\_dd\_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

asym\_sam\_37\_26\_dd\_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

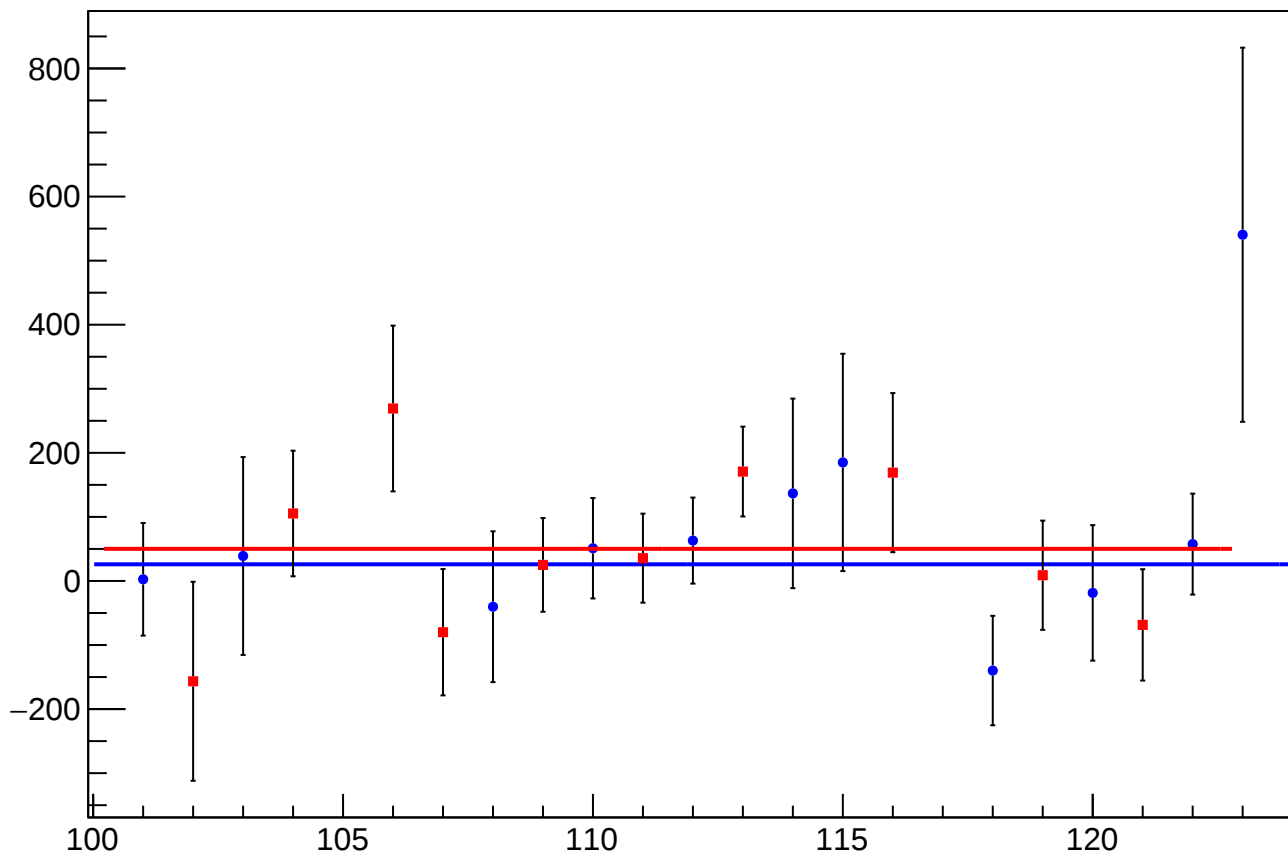
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_asym\_sam\_1357\_avg\_mean vs Slug, Sign Corrected



Right In: 26.008+/-30.045  $\chi^2/\text{NDF}$ : 9.5/10

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

Right Out: 50.169+/-28.393  $\chi^2/\text{NDF}$ : 12.8/9

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

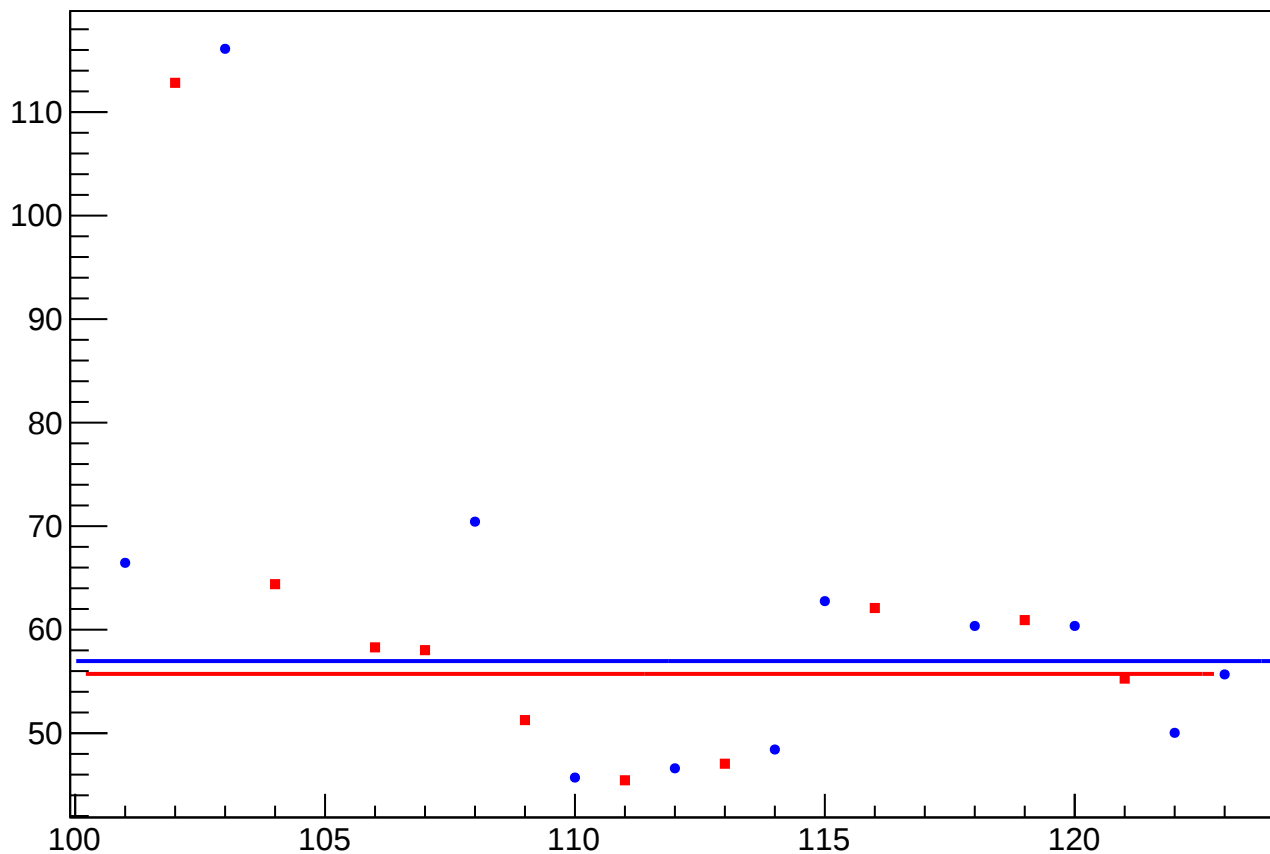
Right: 38.771+/-20.636  $\chi^2/\text{NDF}$ : 22.6/20

In: 26.008+/-30.045  $\chi^2/\text{NDF}$ : 9.5/10

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

All: 38.771+/-20.636  $\chi^2/\text{NDF}$ : 22.6/20

dit\_asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 56.968 $\pm$ 0.021  $\chi^2$ /NDF: 461486.4/10

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

Right Out: 55.728 $\pm$ 0.020  $\chi^2$ /NDF: 382346.3/9

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

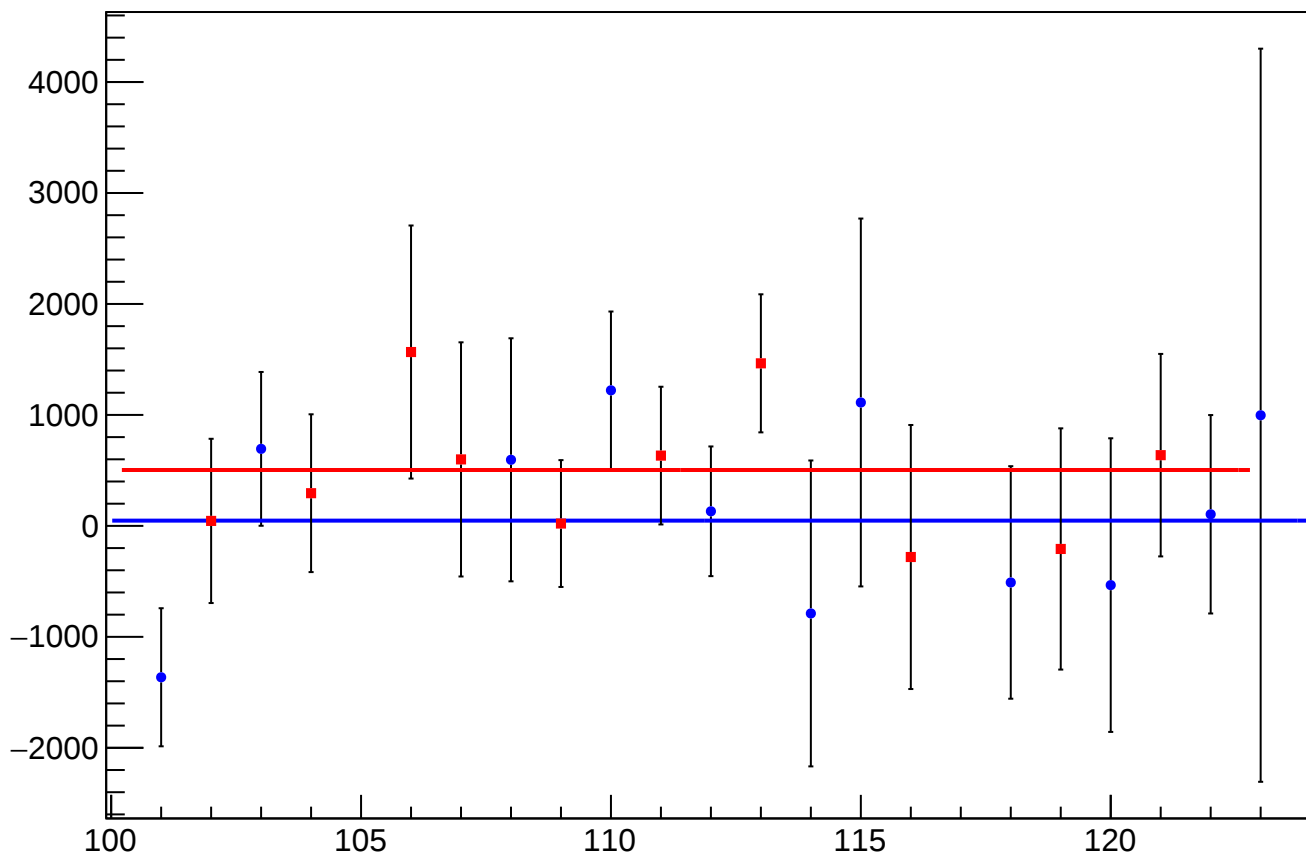
Right: 56.313 $\pm$ 0.015  $\chi^2$ /NDF: 845631.6/20

In: 56.968 $\pm$ 0.021  $\chi^2$ /NDF:461486.4/10

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

All: 56.313 $\pm$ 0.015  $\chi^2$ /NDF: 845631.6/20

asym\_sam\_1357\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 47.386+/-266.064  $\chi^2/\text{NDF}$ : 10.4/10

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

Right Out: 503.684+/-246.432  $\chi^2/\text{NDF}$ : 5.4/9

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

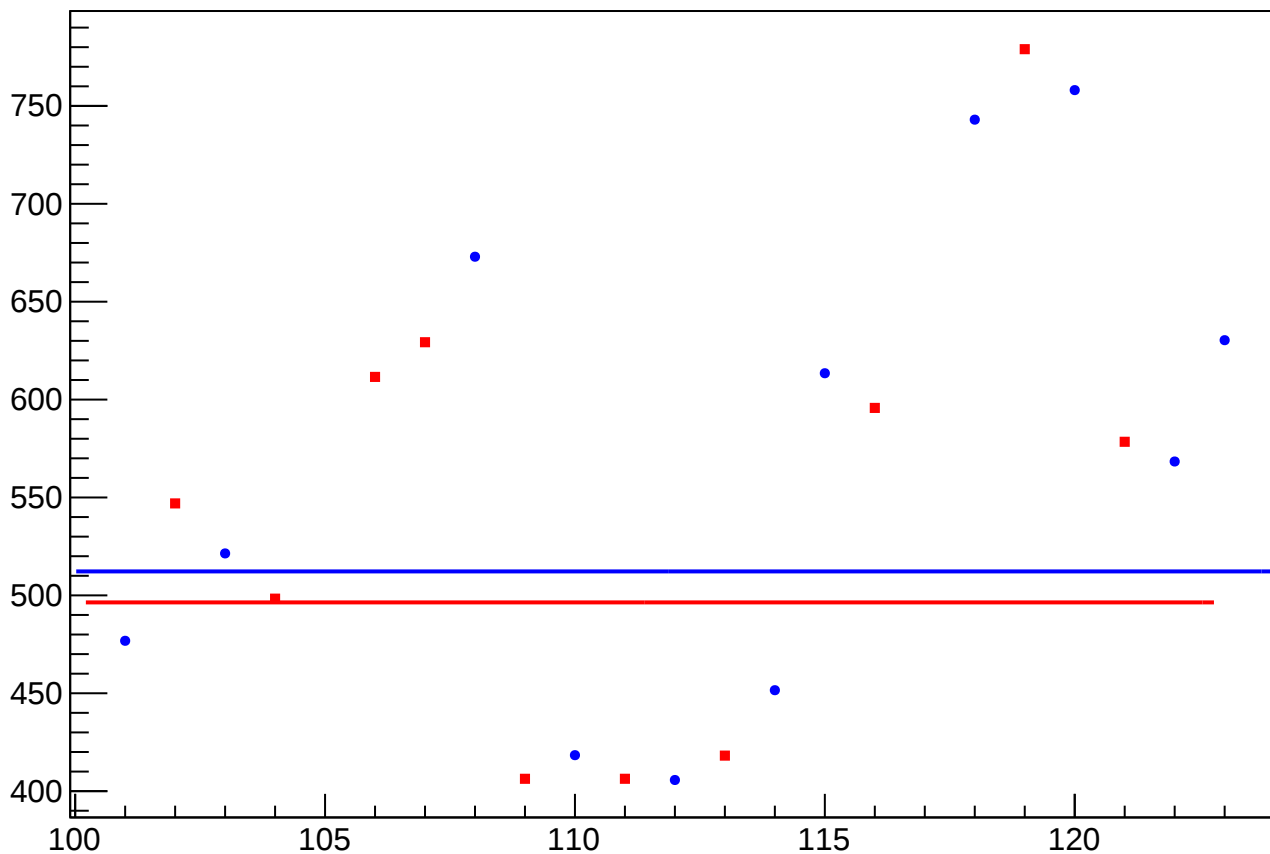
Right: 292.989+/-180.796  $\chi^2/\text{NDF}$ : 17.3/20

In: 47.386+/-266.064  $\chi^2/\text{NDF}$ : 10.4/10

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

All: 292.989+/-180.796  $\chi^2/\text{NDF}$ : 17.3/20

asym\_sam\_1357\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 512.239+/-0.188  $\chi^2/\text{NDF}$ : 339168.2/10

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

Right Out: 496.410+/-0.174  $\chi^2/\text{NDF}$ : 350231.9/9

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

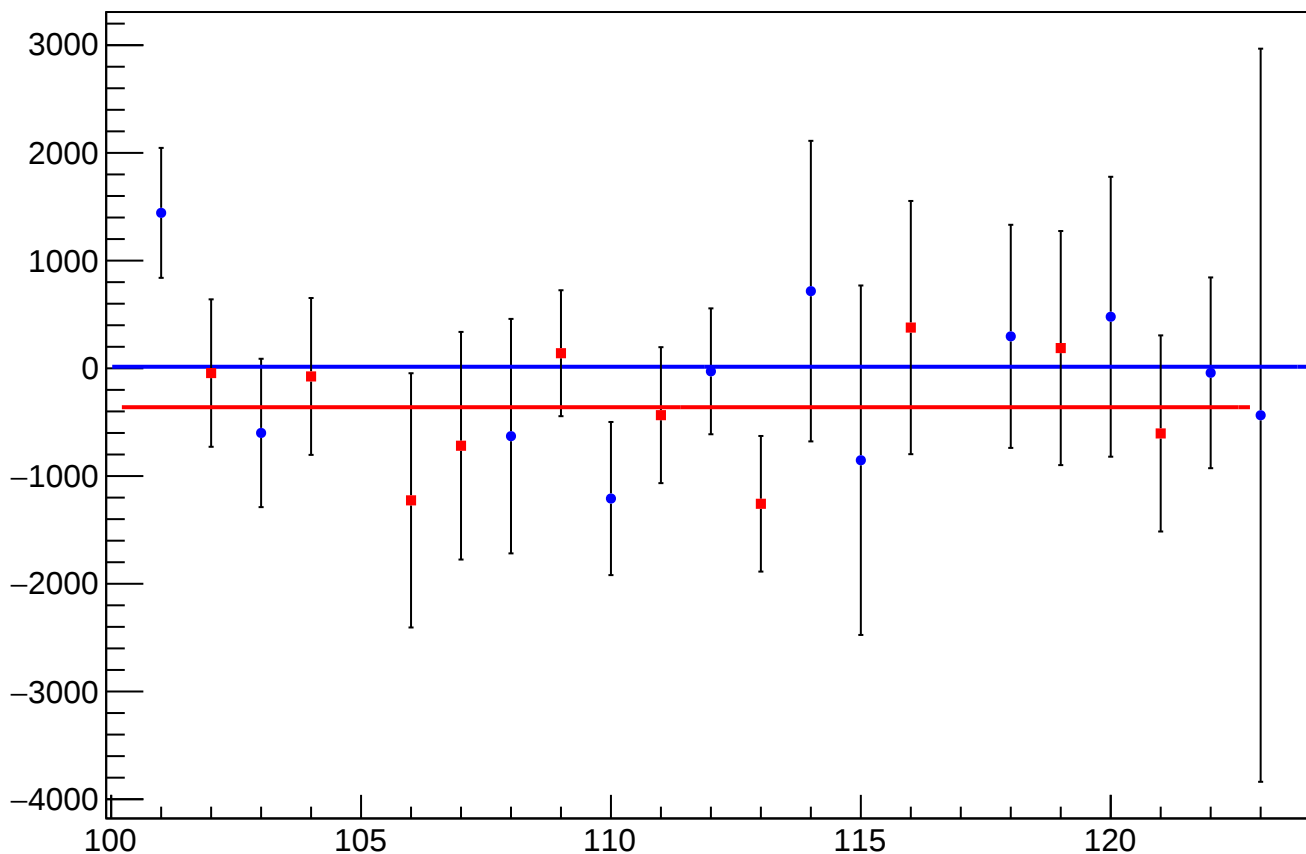
Right: 503.719+/-0.128  $\chi^2/\text{NDF}$ : 693210.7/20

In: 512.239+/-0.188  $\chi^2/\text{NDF}$ : 339168.2/10

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

All: 503.719+/-0.128  $\chi^2/\text{NDF}$ : 693210.7/20

asym\_sam\_1357\_avg\_mean vs Slug, Sign Corrected



Right In: 14.679+/-263.618  $\chi^2/\text{NDF}$ : 10.5/10

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

Right Out: -360.886+/-247.141  $\chi^2/\text{NDF}$ : 4.5/9

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

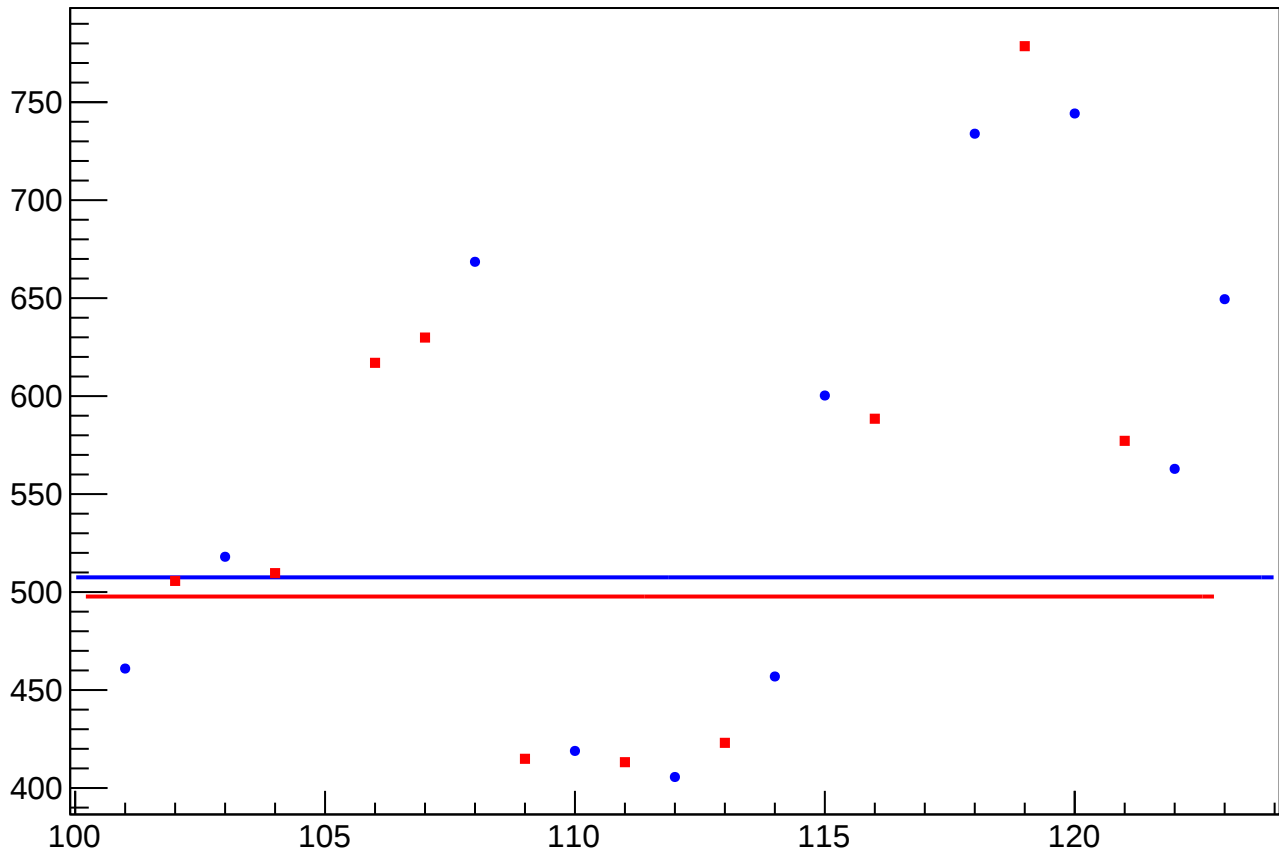
Right: -185.207+/-180.299  $\chi^2/\text{NDF}$ : 16.1/20

In: 14.679+/-263.618  $\chi^2/\text{NDF}$ : 10.5/10

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

All: -185.207+/-180.299  $\chi^2/\text{NDF}$ : 16.1/20

asym\_sam\_1357\_avg\_rms vs Slug, Sign Corrected



Right In: 507.509+/-0.186  $\chi^2/\text{NDF}$ : 330474.7/10

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

Right Out: 497.718+/-0.175  $\chi^2/\text{NDF}$ : 317480.8/9

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

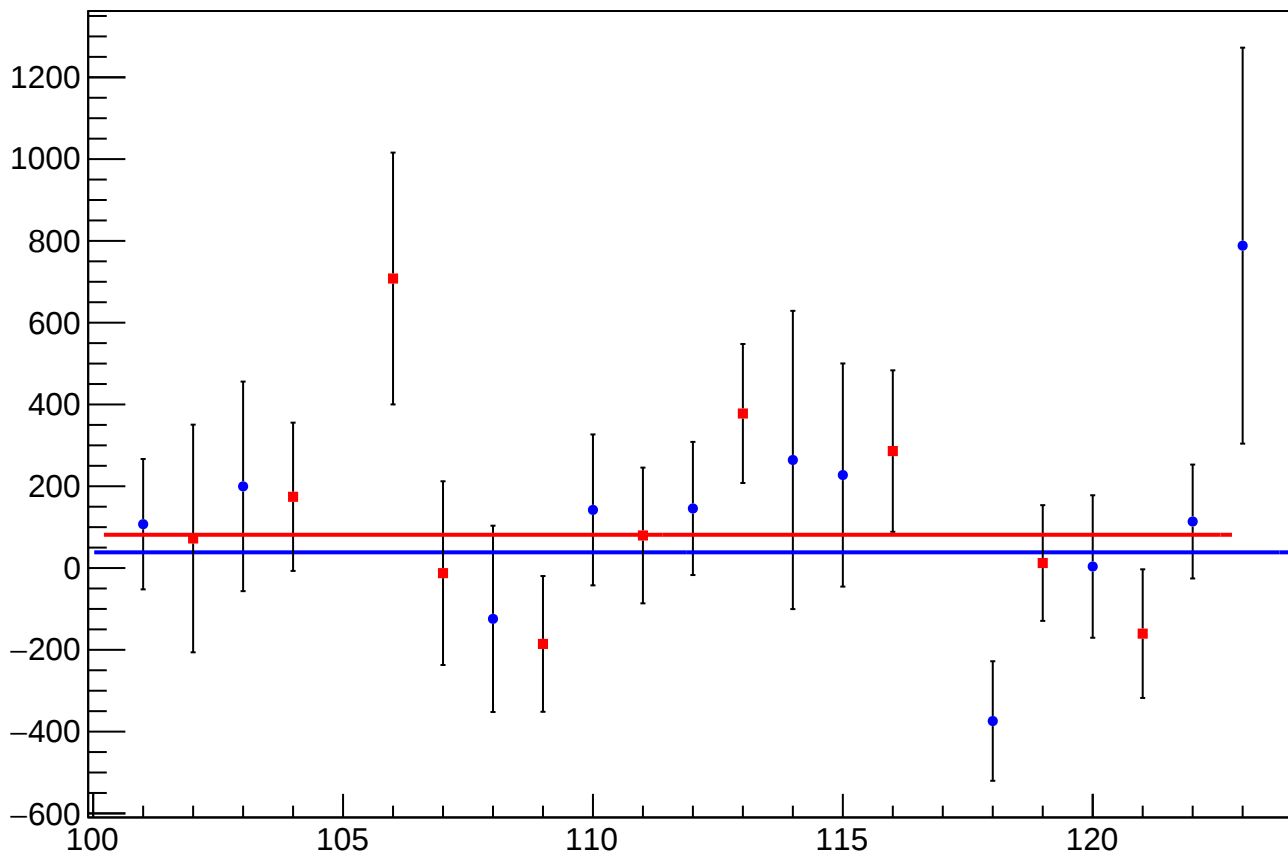
Right: 502.298+/-0.127  $\chi^2/\text{NDF}$ : 649423.8/20

In: 507.509+/-0.186  $\chi^2/\text{NDF}$ : 330474.7/10

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

All: 502.298+/-0.127  $\chi^2/\text{NDF}$ : 649423.8/20

dit\_asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In: 38.409+/-57.976  $\chi^2/\text{NDF}$ : 13.4/10

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

Right Out: 81.371+/-58.031  $\chi^2/\text{NDF}$ : 13.9/9

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

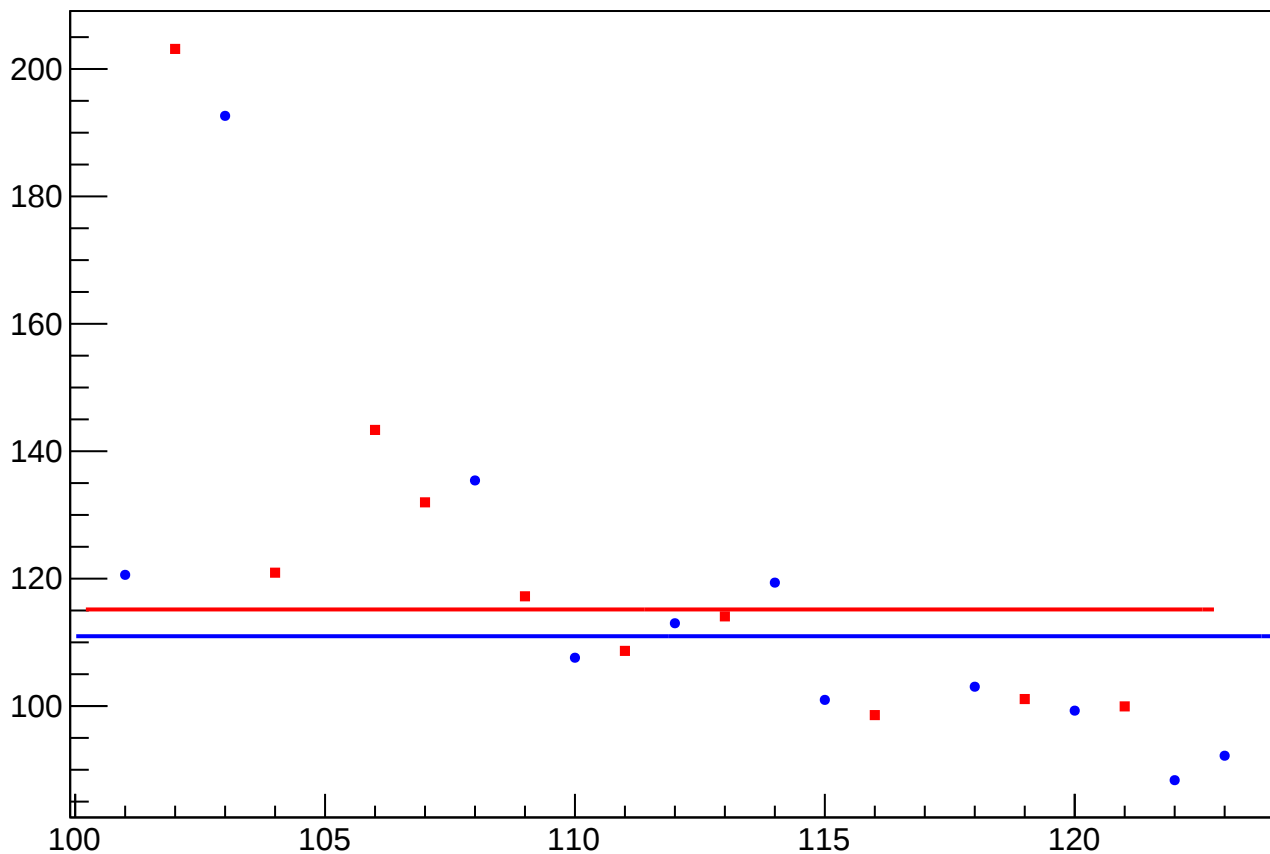
Right: 59.870+/-41.015  $\chi^2/\text{NDF}$ : 27.6/20

In: 38.409+/-57.976  $\chi^2/\text{NDF}$ : 13.4/10

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

All: 59.870+/-41.015  $\chi^2/\text{NDF}$ : 27.6/20

dit\_asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 110.962+/-0.041  $\chi^2/\text{NDF}$ : 308862.2/10

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

Right Out: 115.163+/-0.041  $\chi^2/\text{NDF}$ : 285855.5/9

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

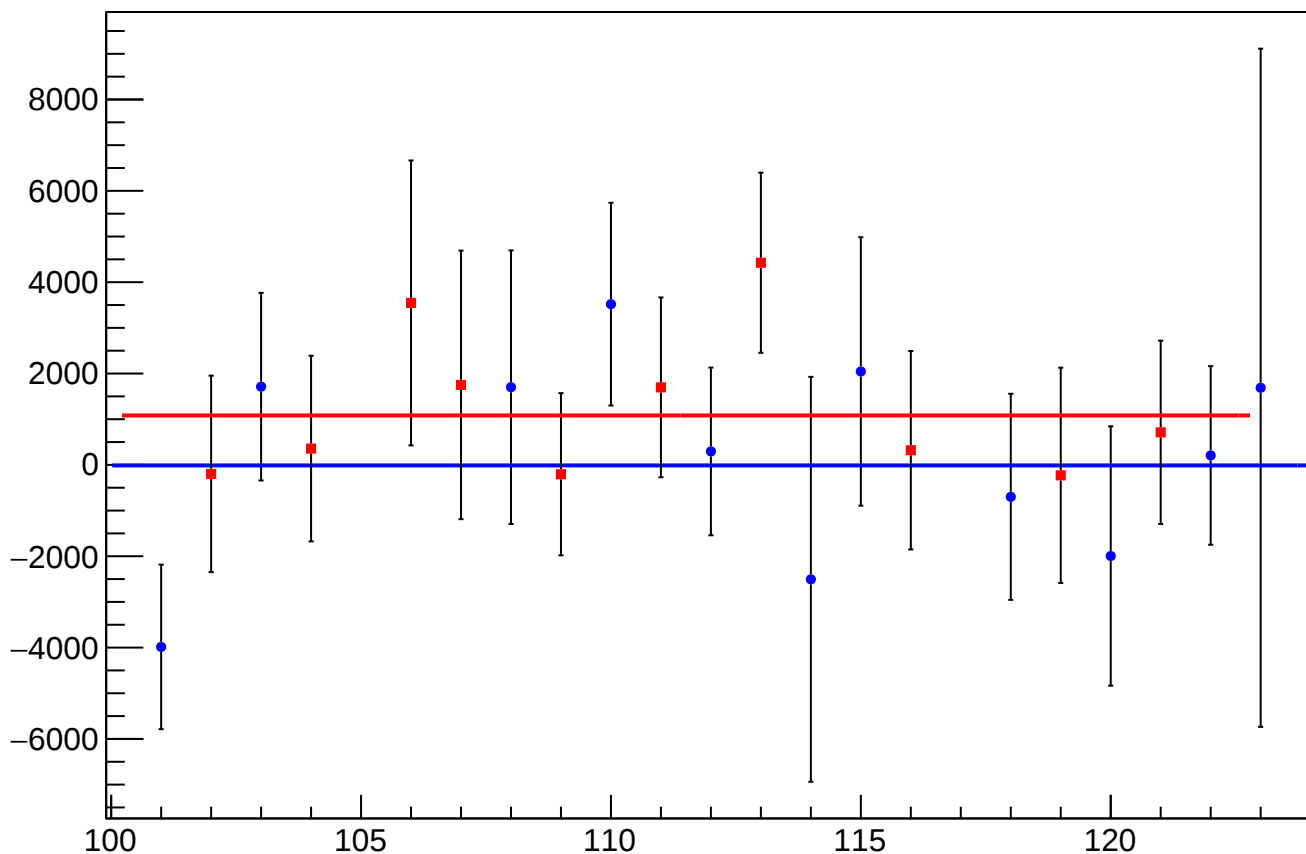
Right: 113.061+/-0.029  $\chi^2/\text{NDF}$ : 599962.0/20

In: 110.962+/-0.041  $\chi^2/\text{NDF}$ : 308862.2/10

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

All: 113.061+/-0.029  $\chi^2/\text{NDF}$ : 599962.0/20

asym\_sam\_2468\_avg\_correction\_mean vs Slug, Sign Corrected



Right In:  $-11.336 \pm 721.019$   $\chi^2/\text{NDF}: 9.9/10$

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

Right Out:  $1082.467 \pm 682.050$   $\chi^2/\text{NDF}: 5.1/9$

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

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

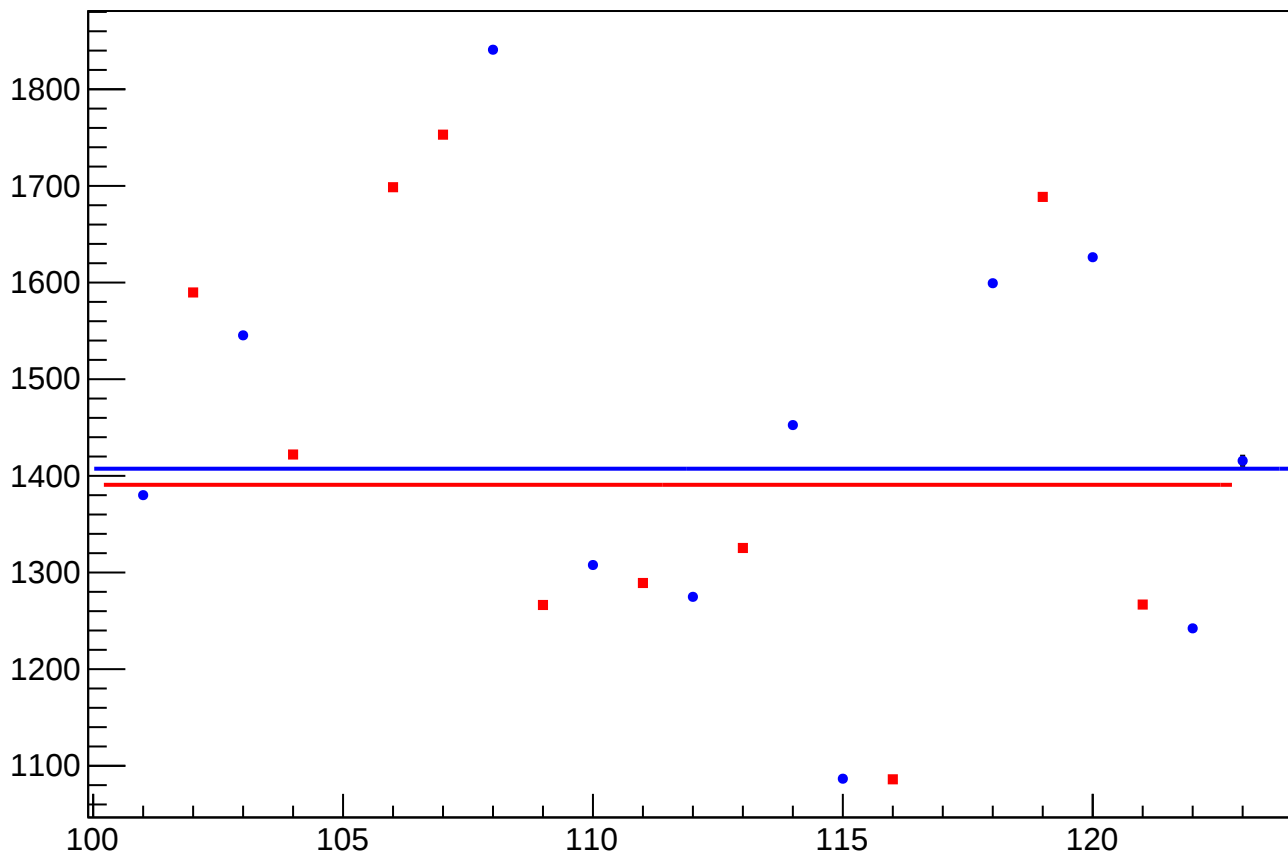
Right:  $565.922 \pm 495.486$   $\chi^2/\text{NDF}: 16.2/20$

In:  $-11.336 \pm 721.019$   $\chi^2/\text{NDF}: 9.9/10$

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

All:  $565.922 \pm 495.486$   $\chi^2/\text{NDF}: 16.2/20$

asym\_sam\_2468\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 1407.396+/-0.510  $\chi^2/\text{NDF}$ : 130501.3/10

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

Right Out: 1390.736+/-0.482  $\chi^2/\text{NDF}$ : 163743.4/9

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

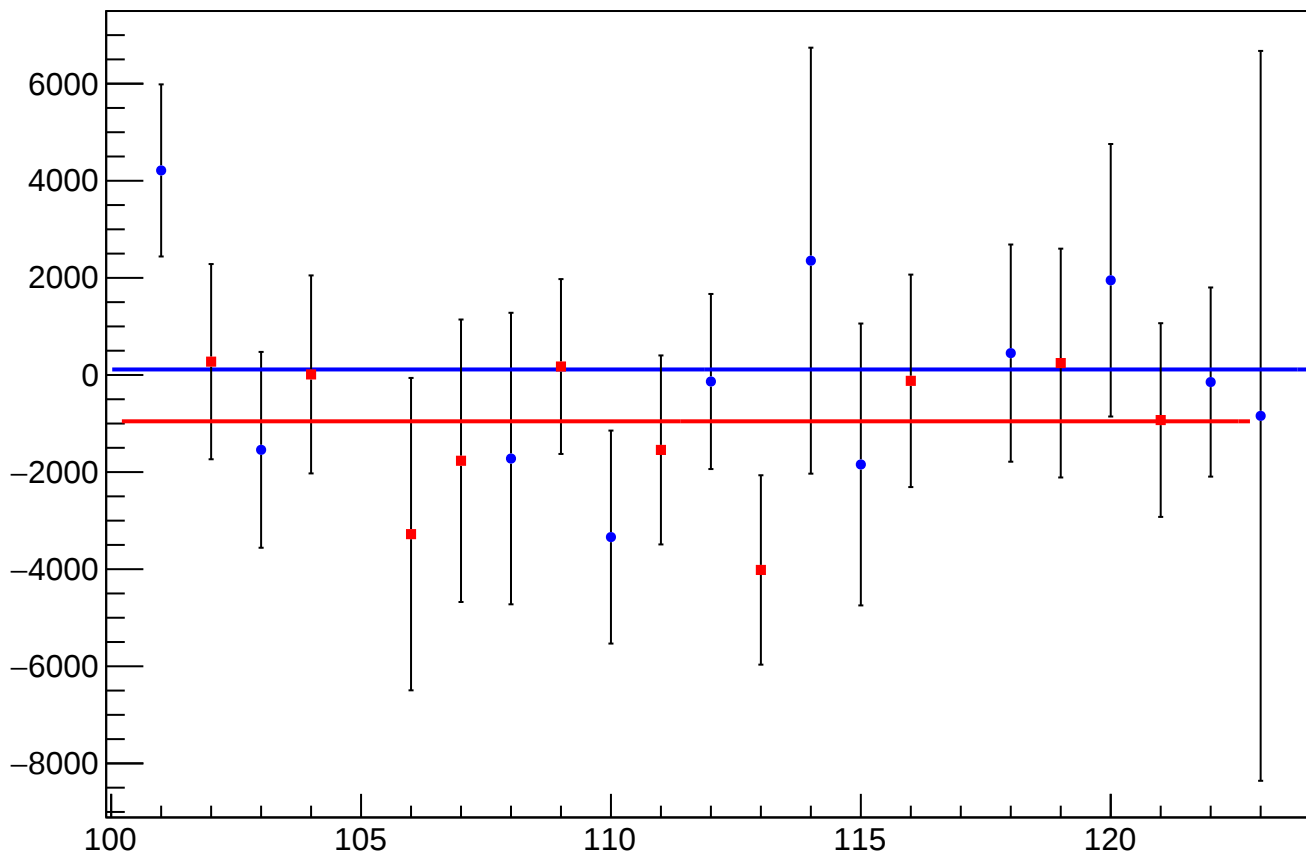
Right: 1398.603+/-0.350  $\chi^2/\text{NDF}$ : 294808.2/20

In: 1407.396+/-0.510  $\chi^2/\text{NDF}$ : 130501.3/10

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

All: 1398.603+/-0.350  $\chi^2/\text{NDF}$ : 294808.2/20

asym\_sam\_2468\_avg\_mean vs Slug, Sign Corrected



Right In: 113.687+/-712.612  $\chi^2/\text{NDF}$ : 10.1/10

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

Right Out: -954.157+/-677.562  $\chi^2/\text{NDF}$ : 4.6/9

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

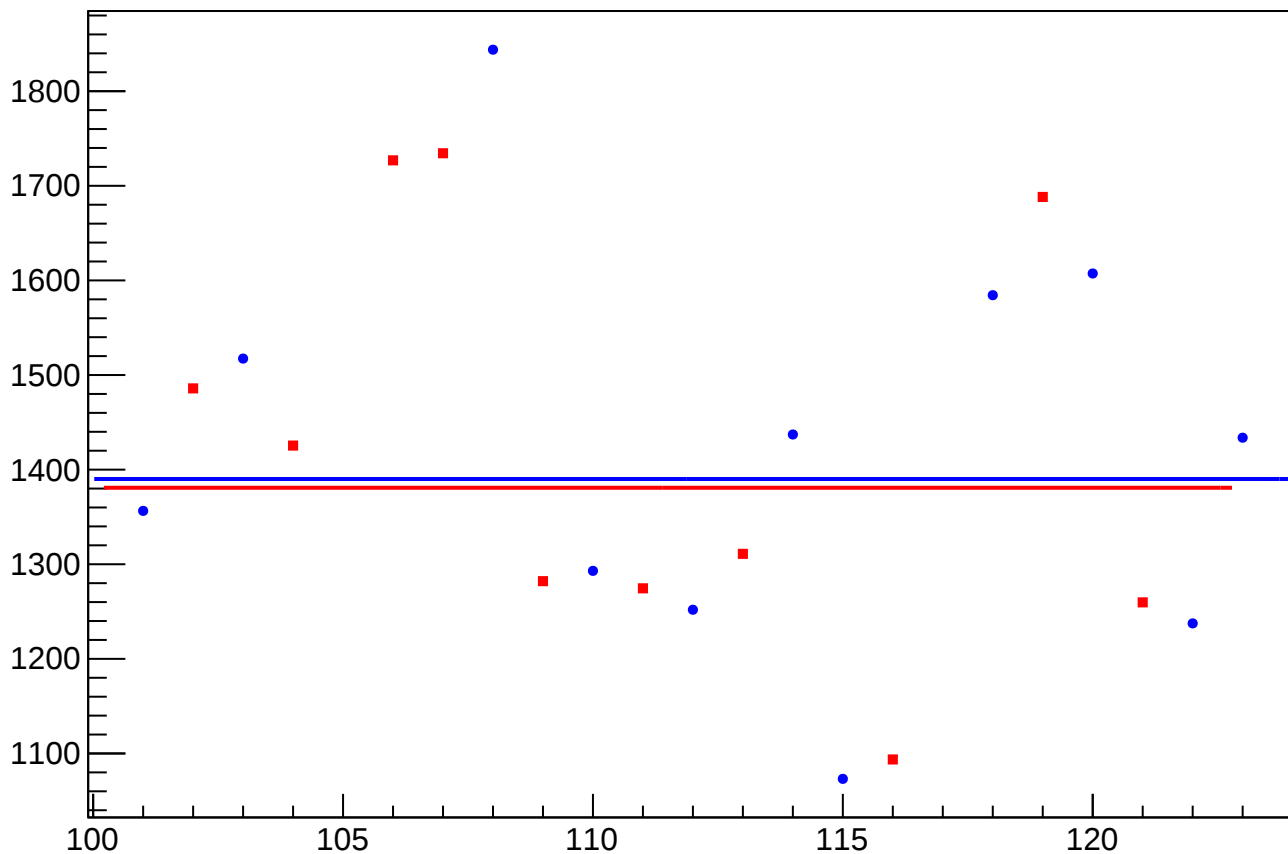
Right: -447.141+/-491.033  $\chi^2/\text{NDF}$ : 15.8/20

In: 113.687+/-712.612  $\chi^2/\text{NDF}$ : 10.1/10

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

All: -447.141+/-491.033  $\chi^2/\text{NDF}$ : 15.8/20

asym\_sam\_2468\_avg\_rms vs Slug, Sign Corrected



Right In: 1390.119+/-0.504  $\chi^2/\text{NDF}$ : 133525.7/10

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

Right Out: 1380.847+/-0.479  $\chi^2/\text{NDF}$ : 149499.9/9

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

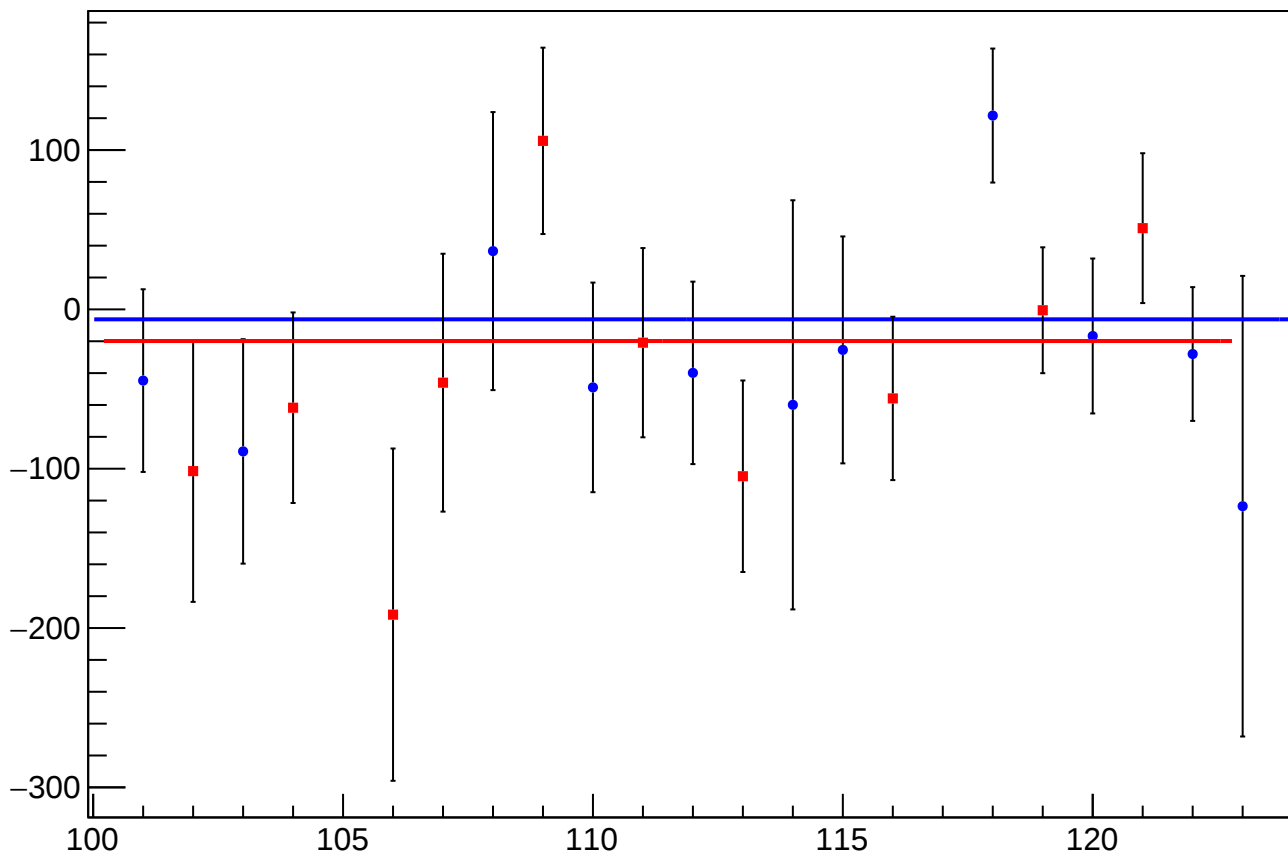
Right: 1385.250+/-0.347  $\chi^2/\text{NDF}$ : 283203.4/20

In: 1390.119+/-0.504  $\chi^2/\text{NDF}$ : 133525.7/10

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

All: 1385.250+/-0.347  $\chi^2/\text{NDF}$ : 283203.4/20

dit\_asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In: -6.249+/-18.152  $\chi^2/\text{NDF}$ : 13.3/10

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

Right Out: -19.851+/-18.260  $\chi^2/\text{NDF}$ : 13.9/9

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

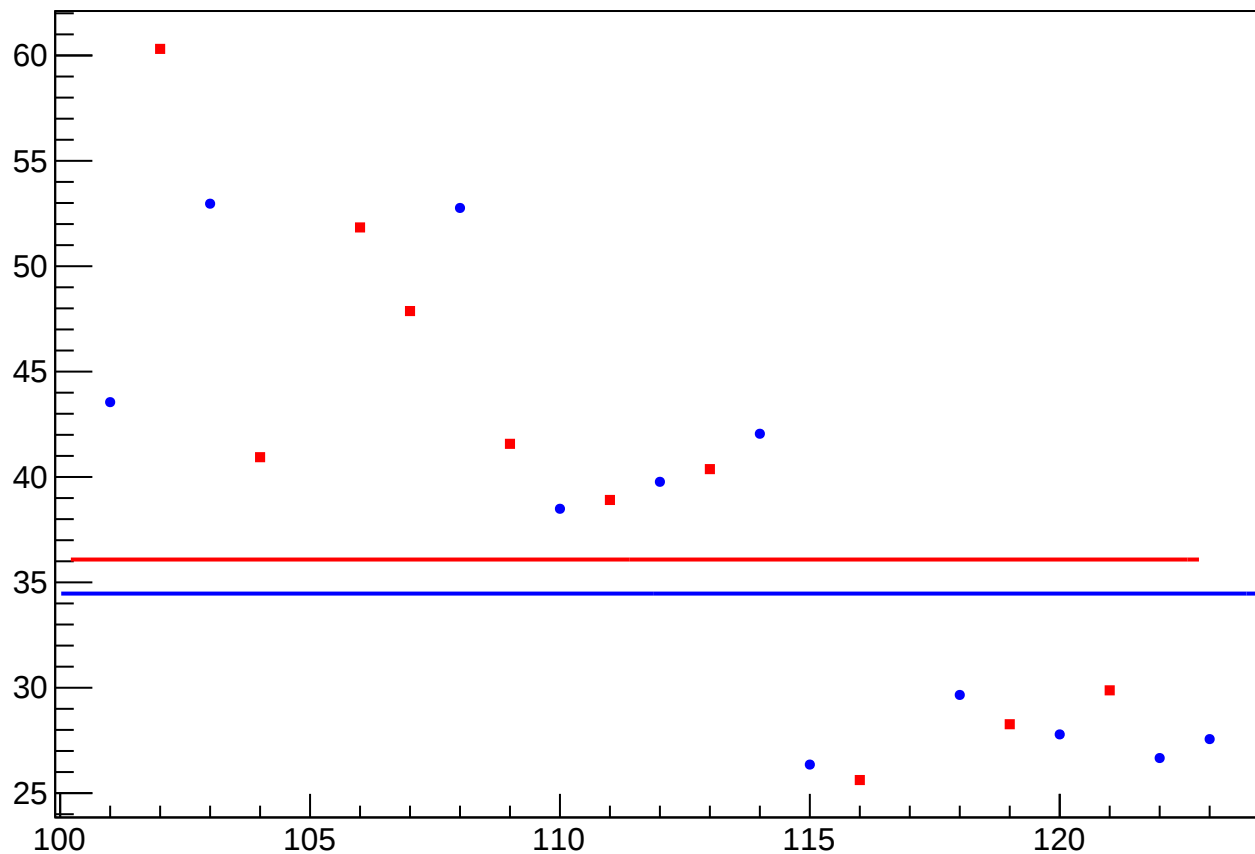
Right: -13.010+/-12.874  $\chi^2/\text{NDF}$ : 27.5/20

In: -6.249+/-18.152  $\chi^2/\text{NDF}$ : 13.3/10

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

All: -13.010+/-12.874  $\chi^2/\text{NDF}$ : 27.5/20

dit\_asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.013  $\chi^2/\text{NDF}$ : 471251.7/10

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

Right Out: 36.083+/-0.013  $\chi^2/\text{NDF}$ : 504262.8/9

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

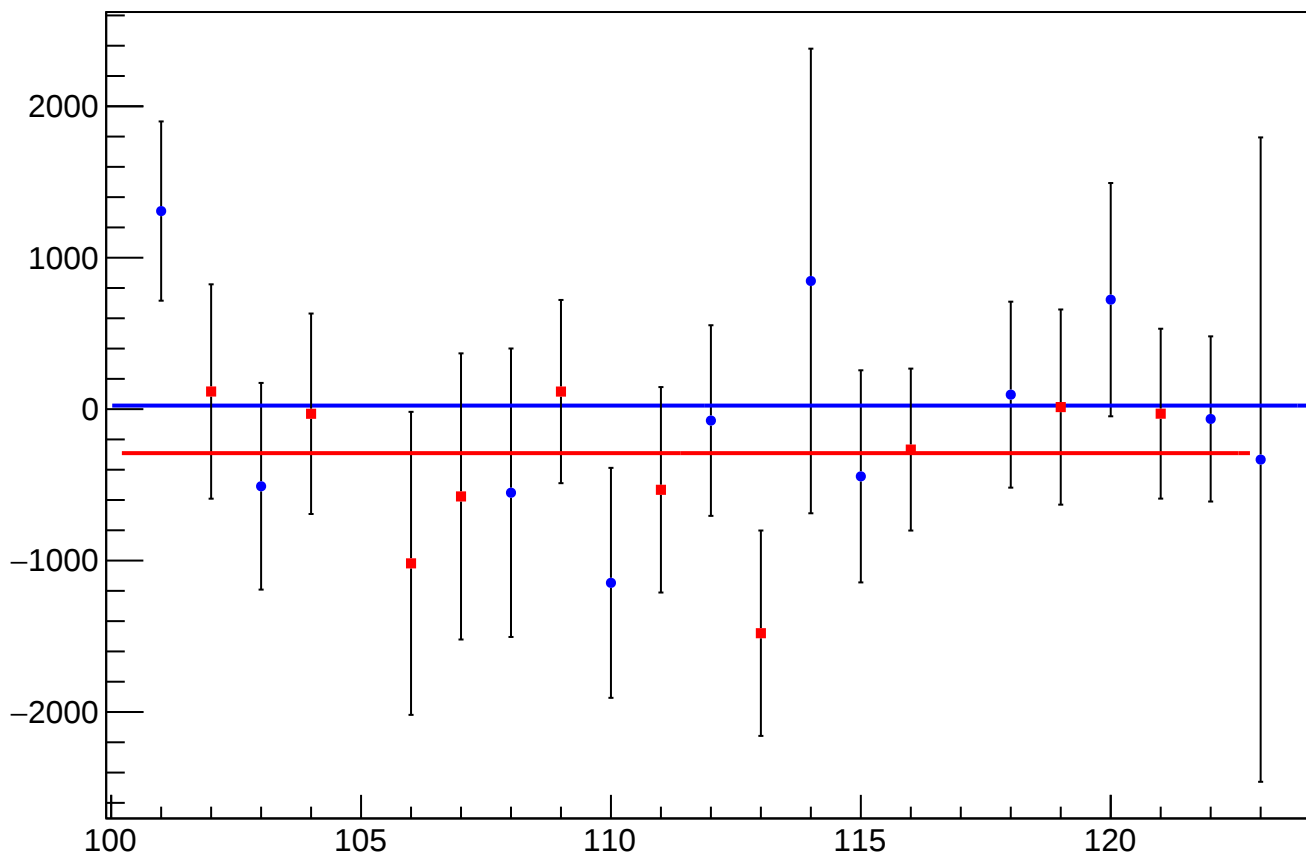
Right: 35.271+/-0.009  $\chi^2/\text{NDF}$ : 983389.9/20

In: 34.468+/-0.013  $\chi^2/\text{NDF}$ :471251.7/10

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

All: 35.271+/-0.009  $\chi^2/\text{NDF}$ : 983389.9/20

asym\_sam\_1357\_2468\_dd\_correction\_mean vs Slug, Sign Corrected



Right In: 23.526+/-219.553  $\chi^2/\text{NDF}$ : 9.7/10

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

Right Out: -290.525+/-210.538  $\chi^2/\text{NDF}$ : 5.2/9

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

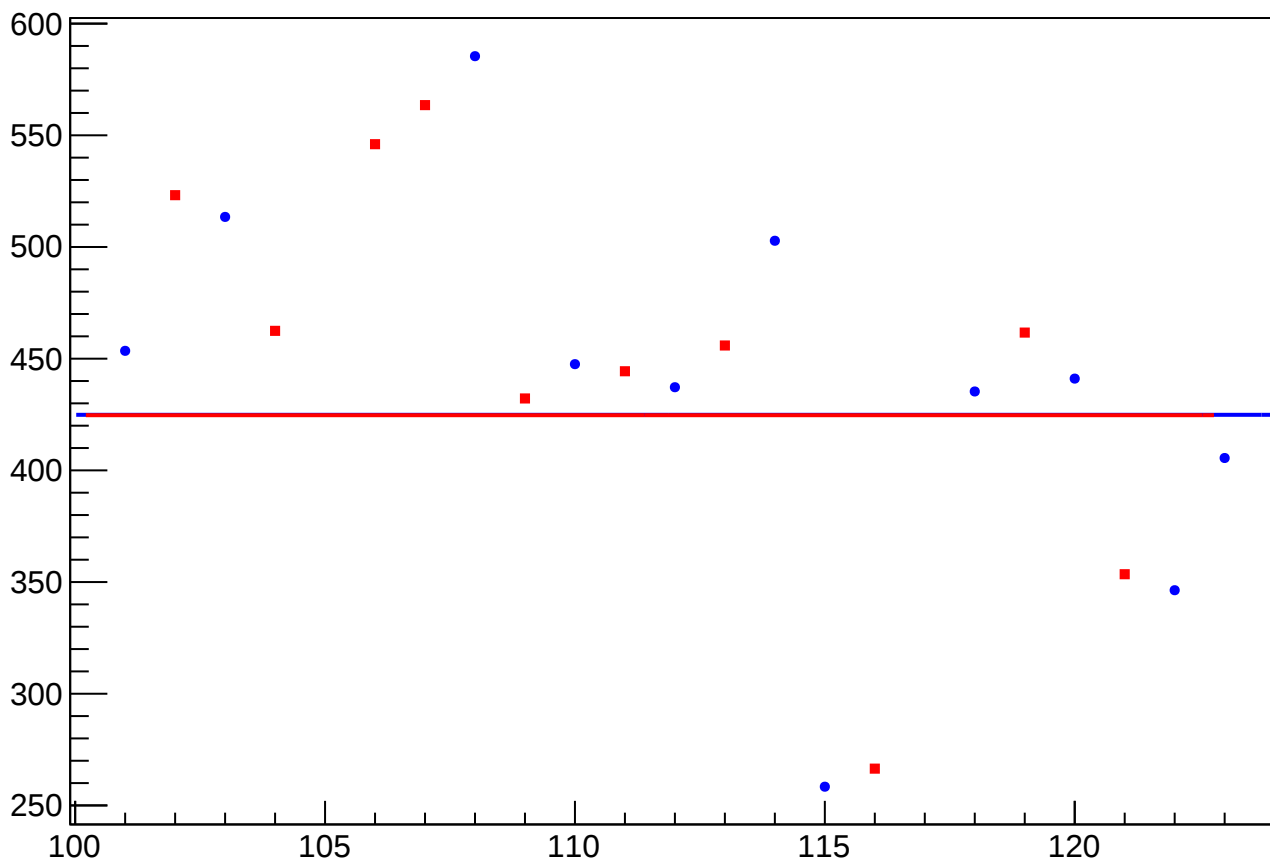
Right: -140.080+/-151.960  $\chi^2/\text{NDF}$ : 16.0/20

In: 23.526+/-219.553  $\chi^2/\text{NDF}$ : 9.7/10

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

All: -140.080+/-151.960  $\chi^2/\text{NDF}$ : 16.0/20

asym\_sam\_1357\_2468\_dd\_correction\_rms vs Slug, Sign Corrected



Right In: 424.870+/-0.155  $\chi^2/\text{NDF}$ : 259013.8/10

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

Right Out: 424.695+/-0.149  $\chi^2/\text{NDF}$ : 337966.1/9

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

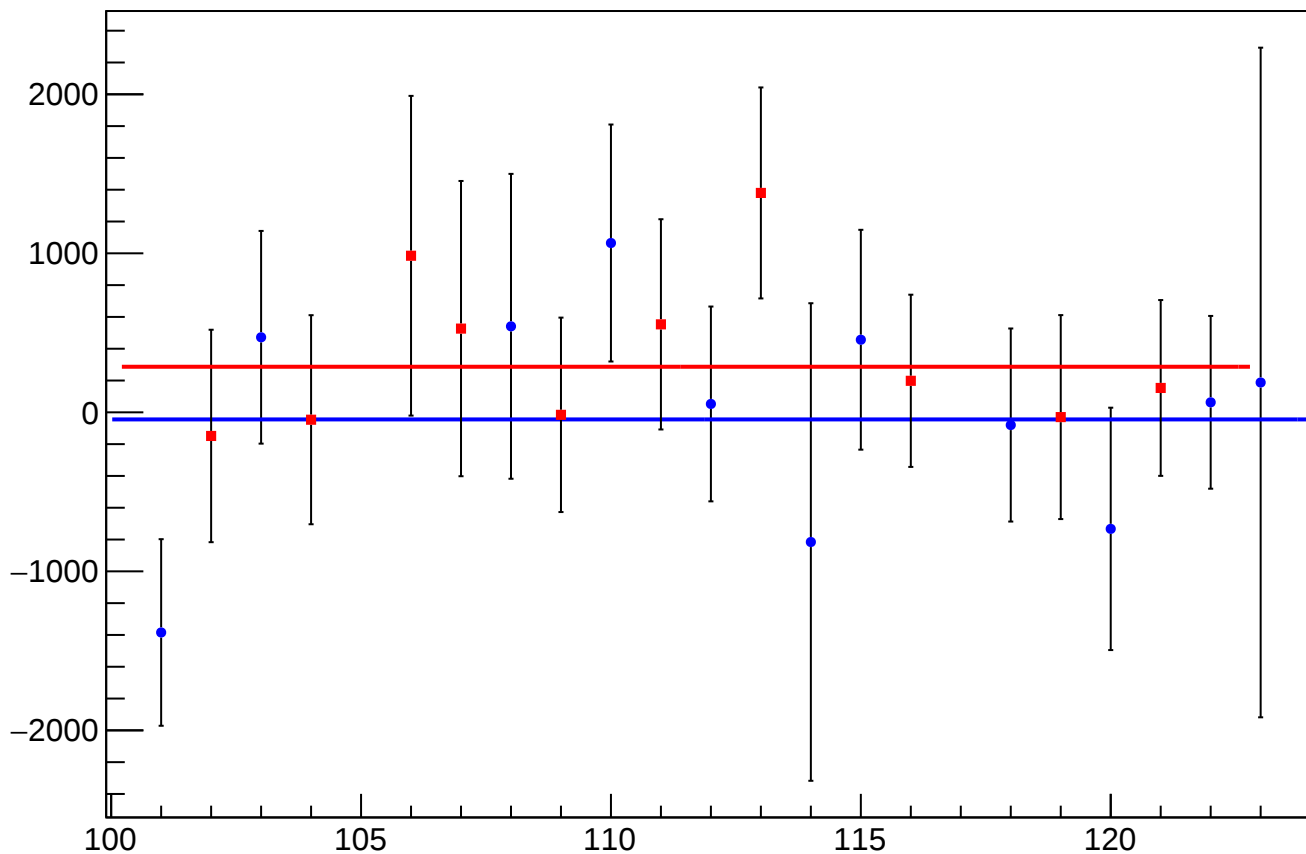
Right: 424.779+/-0.107  $\chi^2/\text{NDF}$ : 596980.6/20

In: 424.870+/-0.155  $\chi^2/\text{NDF}$ : 259013.8/10

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

All: 424.779+/-0.107  $\chi^2/\text{NDF}$ : 596980.6/20

asym\_sam\_1357\_2468\_dd\_mean vs Slug, Sign Corrected



Right In:  $-44.613 \pm 216.781$   $\chi^2/\text{NDF}$ : 10.1/10

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

Right Out:  $286.634 \pm 208.272$   $\chi^2/\text{NDF}$ : 4.7/9

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

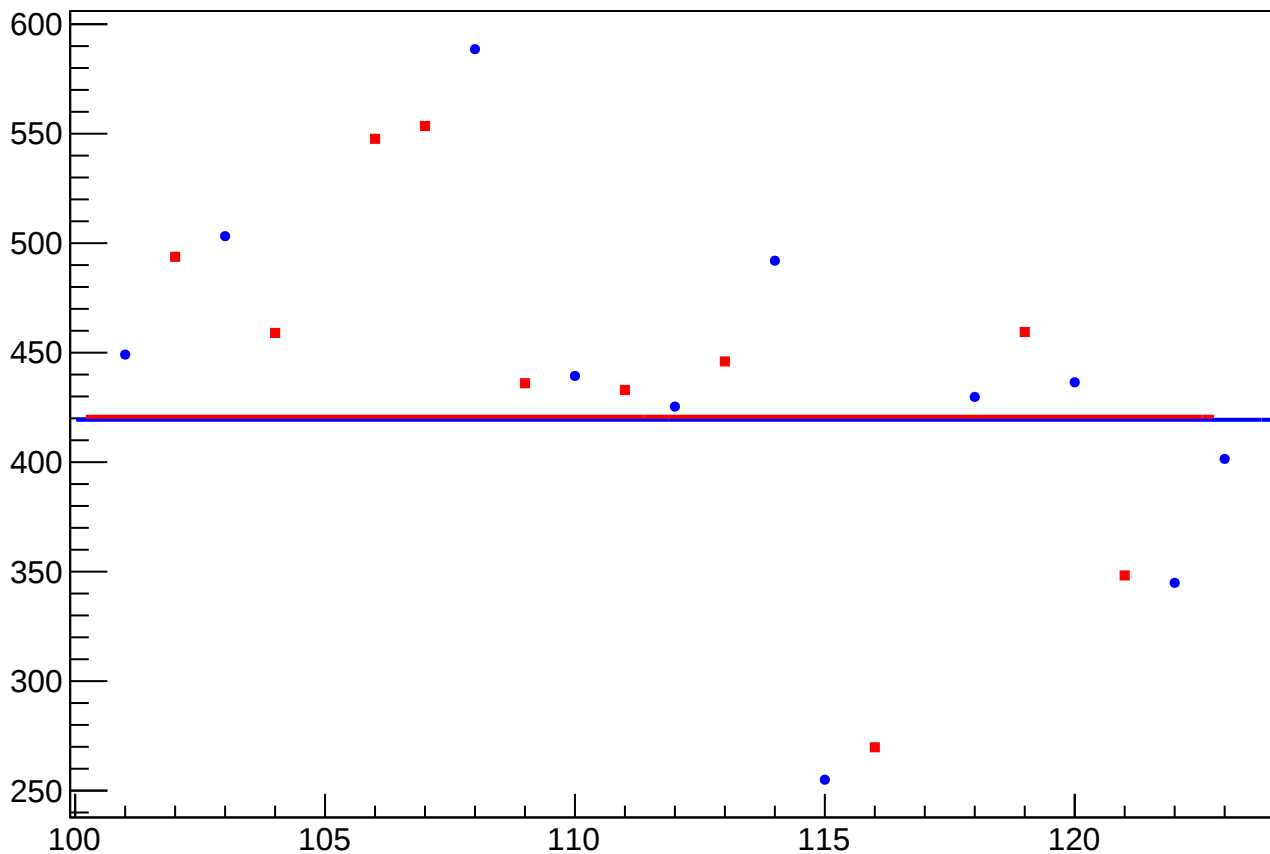
Right:  $127.639 \pm 150.189$   $\chi^2/\text{NDF}$ : 16.0/20

In:  $-44.613 \pm 216.781$   $\chi^2/\text{NDF}$ : 10.1/10

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

All:  $127.639 \pm 150.189$   $\chi^2/\text{NDF}$ : 16.0/20

asym\_sam\_1357\_2468\_dd\_rms vs Slug, Sign Corrected



Right In: 419.353+/-0.153  $\chi^2/\text{NDF}$ : 257647.9/10

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

Right Out: 420.753+/-0.147  $\chi^2/\text{NDF}$ : 305381.1/9

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

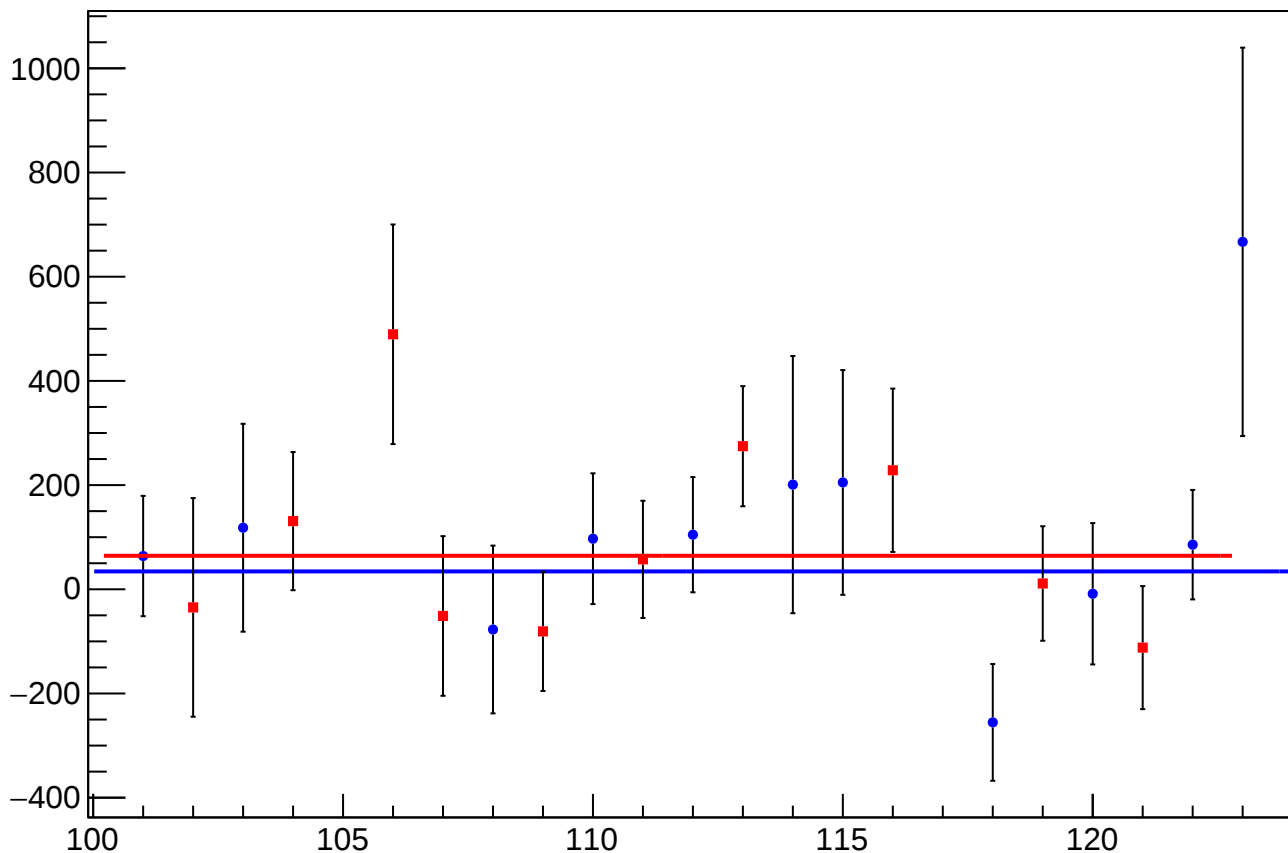
Right: 420.081+/-0.106  $\chi^2/\text{NDF}$ : 563072.4/20

In: 419.353+/-0.153  $\chi^2/\text{NDF}$ : 257647.9/10

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

All: 420.081+/-0.106  $\chi^2/\text{NDF}$ : 563072.4/20

dit\_asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In: 34.305+/-42.506  $\chi^2/\text{NDF}$ : 12.4/10

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

Right Out: 64.324+/-41.864  $\chi^2/\text{NDF}$ : 13.6/9

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

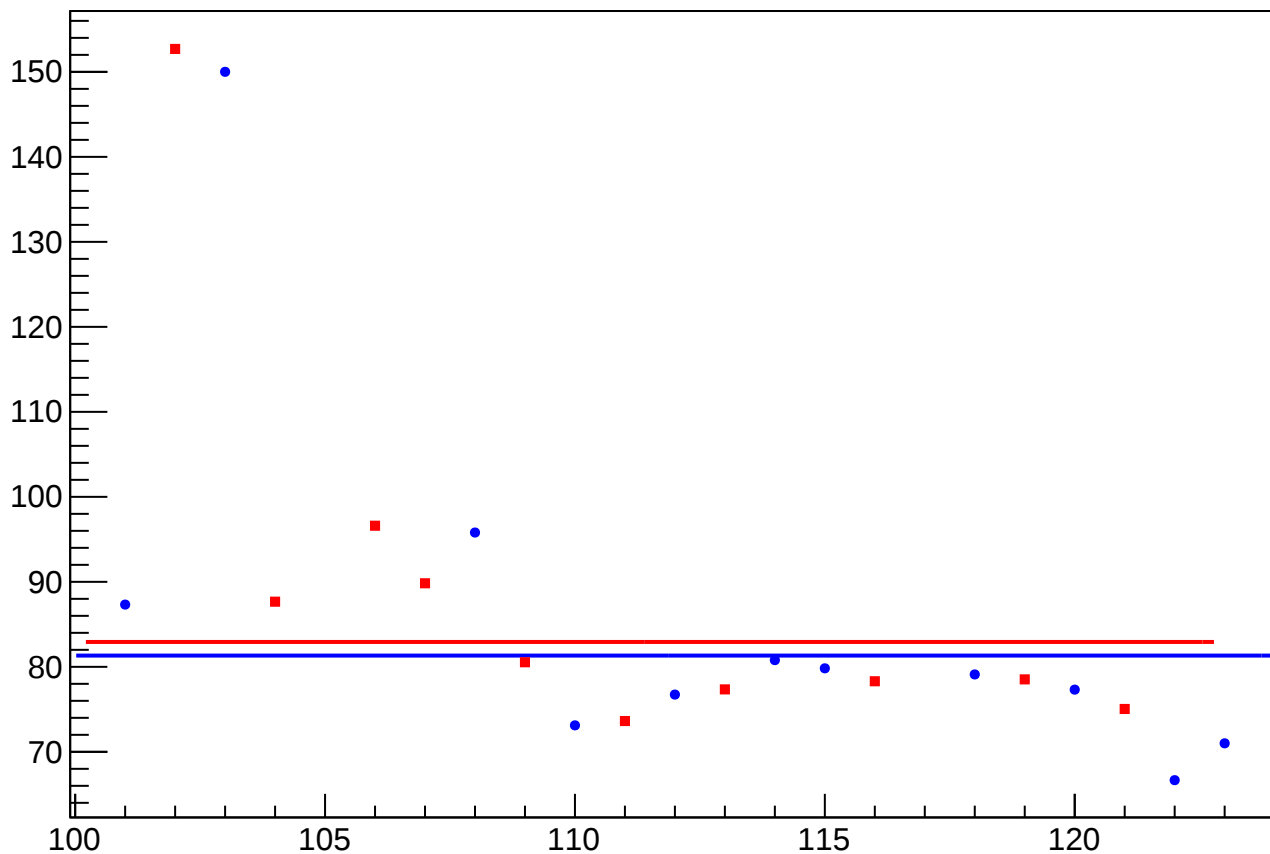
Right: 49.543+/-29.827  $\chi^2/\text{NDF}$ : 26.2/20

In: 34.305+/-42.506  $\chi^2/\text{NDF}$ : 12.4/10

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

All: 49.543+/-29.827  $\chi^2/\text{NDF}$ : 26.2/20

dit\_asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 81.324+/-0.030  $\chi^2/\text{NDF}$ : 313703.4/10

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

Right Out: 82.927+/-0.030  $\chi^2/\text{NDF}$ : 269258.0/9

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

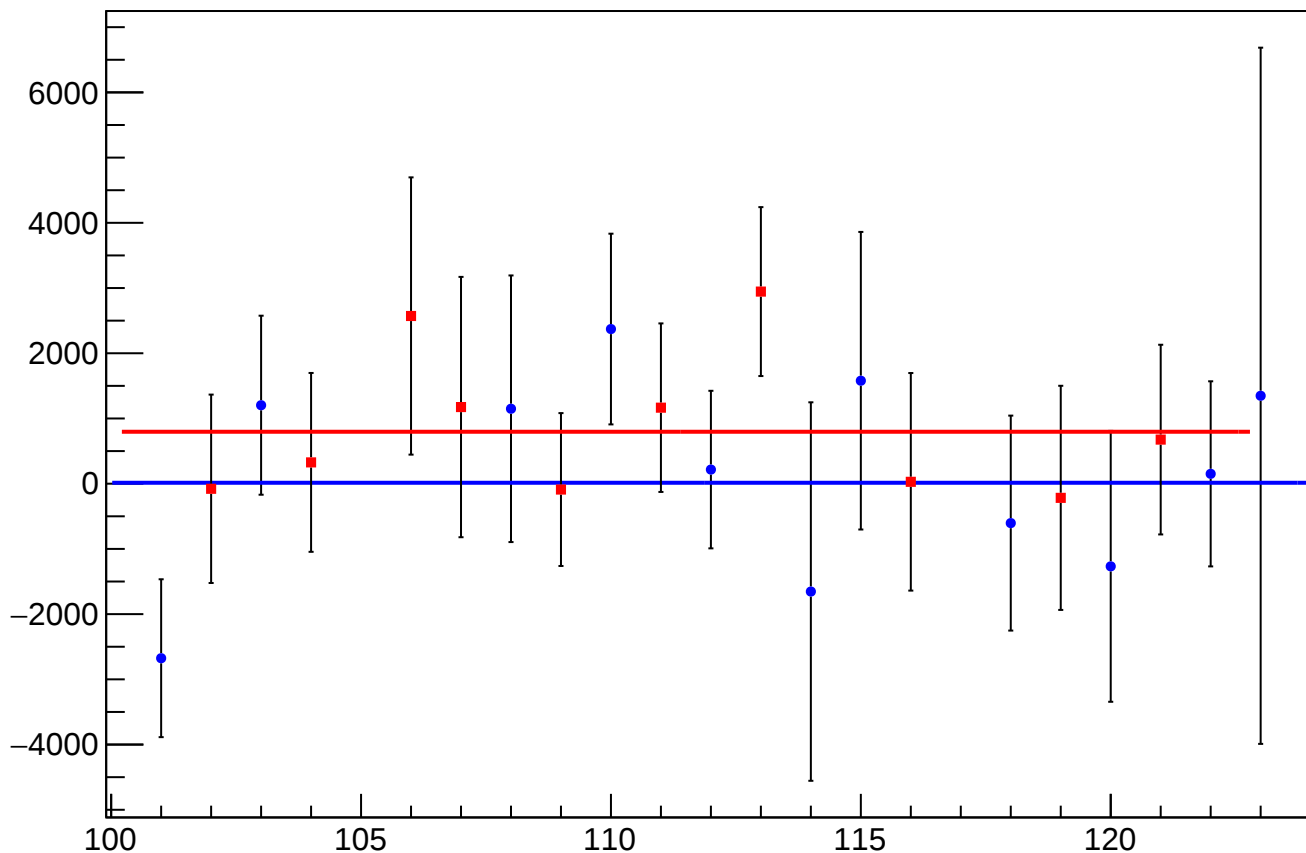
Right: 82.137+/-0.021  $\chi^2/\text{NDF}$ : 584405.6/20

In: 81.324+/-0.030  $\chi^2/\text{NDF}$ :313703.4/10

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

All: 82.137+/-0.021  $\chi^2/\text{NDF}$ : 584405.6/20

asym\_sam\_12345678\_avg\_correction\_mean vs Slug, Sign Corrected



Right In: 14.223+/-497.002  $\chi^2/\text{NDF}$ : 10.0/10

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

Right Out: 796.464+/-467.396  $\chi^2/\text{NDF}$ : 5.2/9

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

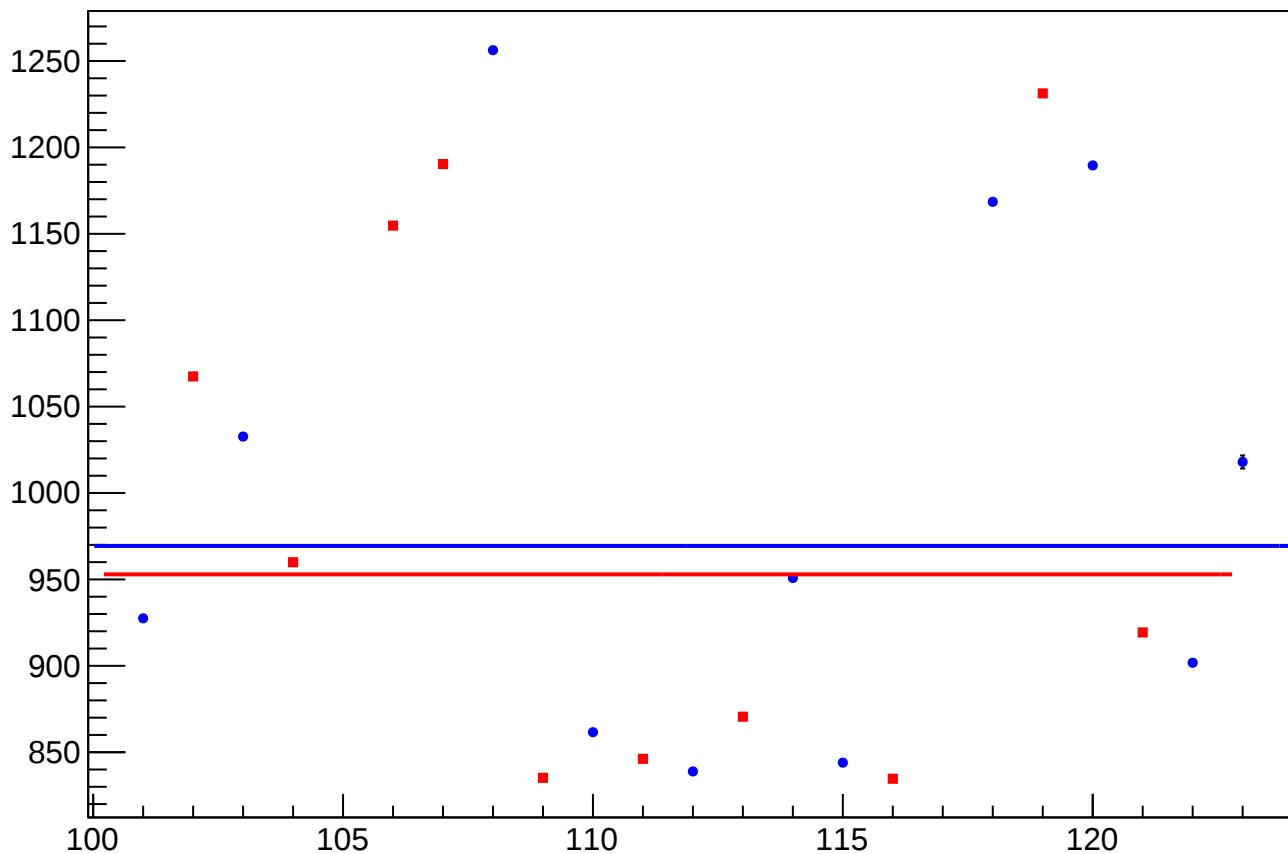
Right: 429.335+/-340.484  $\chi^2/\text{NDF}$ : 16.5/20

In: 14.223+/-497.002  $\chi^2/\text{NDF}$ : 10.0/10

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

All: 429.335+/-340.484  $\chi^2/\text{NDF}$ : 16.5/20

asym\_sam\_12345678\_avg\_correction\_rms vs Slug, Sign Corrected



Right In: 969.386+/-0.351  $\chi^2/\text{NDF}$ : 142774.1/10

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

Right Out: 952.930+/-0.330  $\chi^2/\text{NDF}$ : 164484.0/9

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

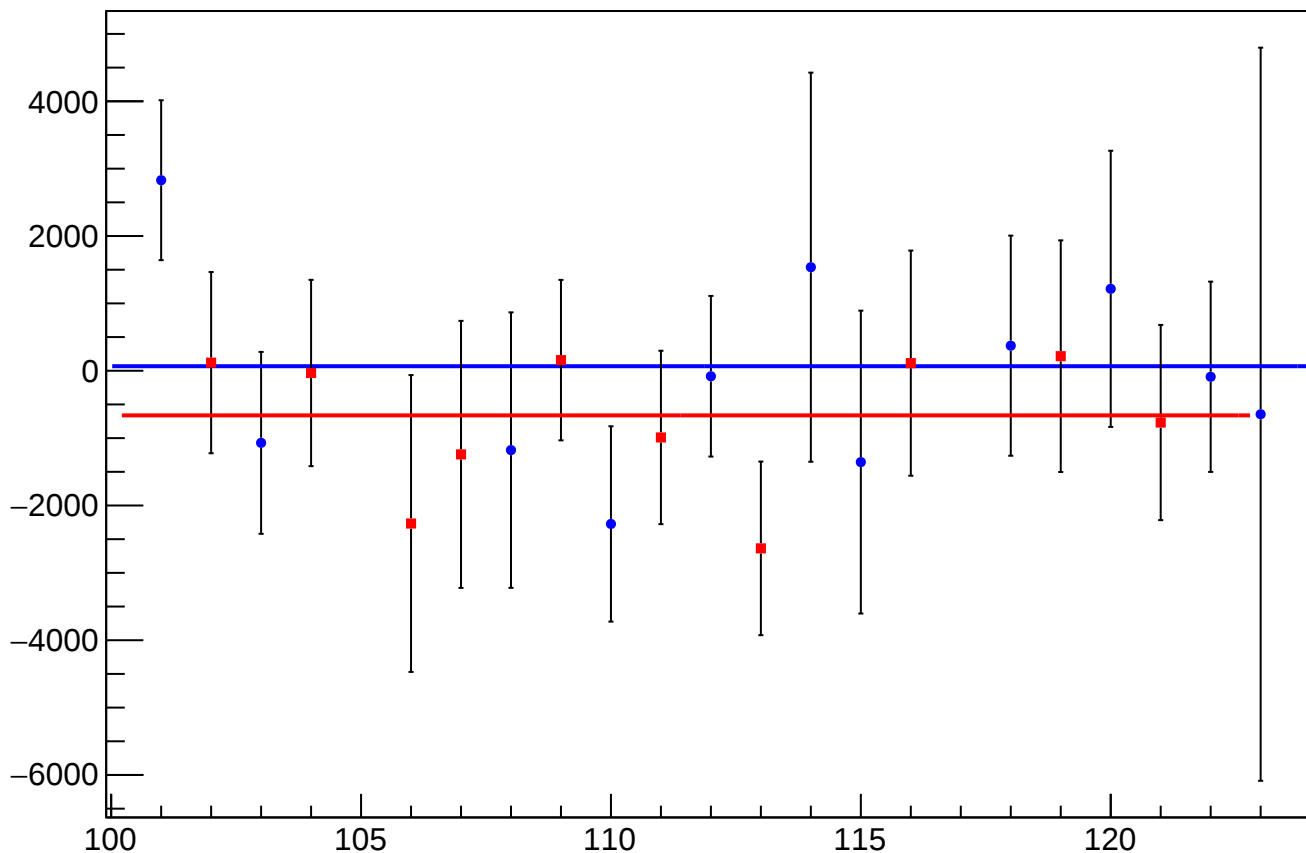
Right: 960.653+/-0.241  $\chi^2/\text{NDF}$ : 308421.7/20

In: 969.386+/-0.351  $\chi^2/\text{NDF}$ :142774.1/10

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

All: 960.653+/-0.241  $\chi^2/\text{NDF}$ : 308421.7/20

asym\_sam\_12345678\_avg\_mean vs Slug, Sign Corrected



Right In: 67.432+/-491.327  $\chi^2/\text{NDF}$ : 10.2/10

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

Right Out: -662.420+/-465.211  $\chi^2/\text{NDF}$ : 4.5/9

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

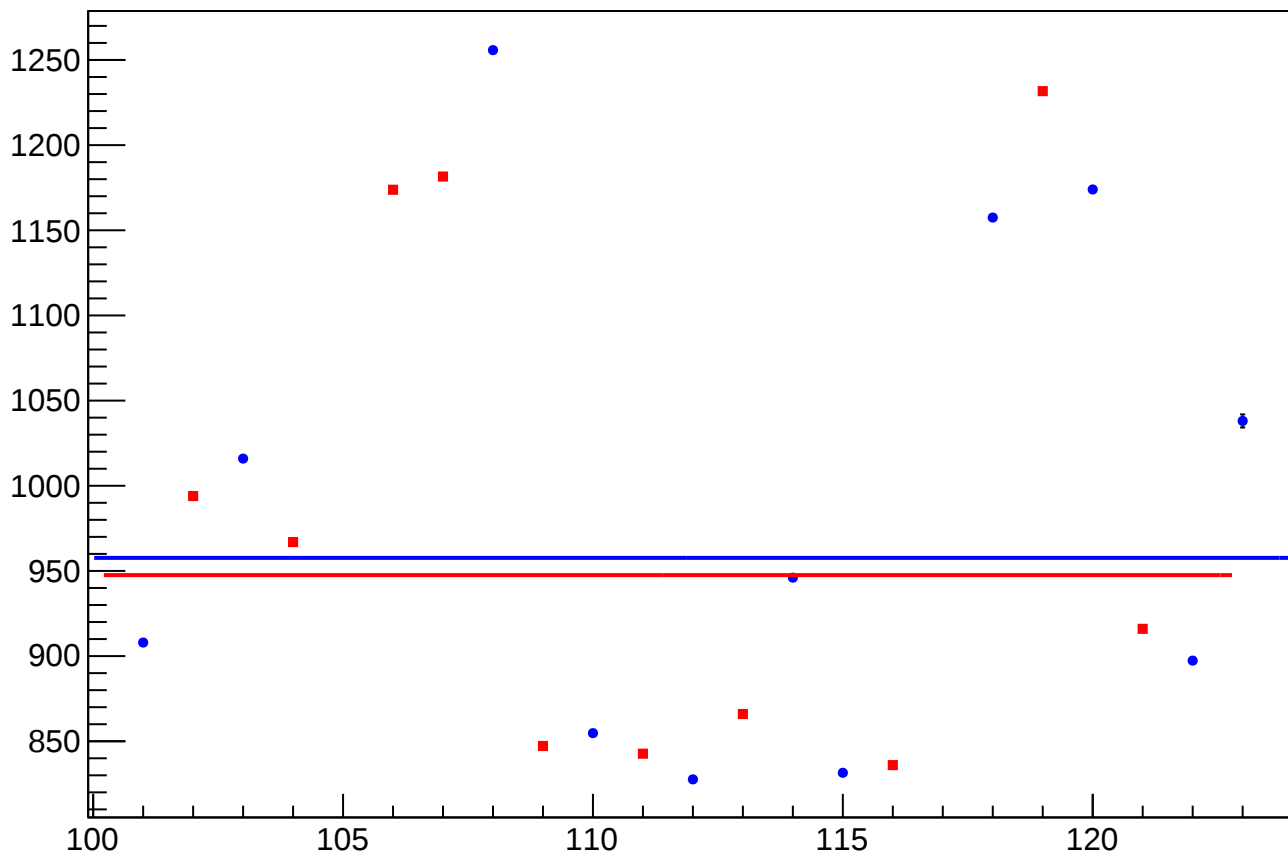
Right: -317.406+/-337.809  $\chi^2/\text{NDF}$ : 15.8/20

In: 67.432+/-491.327  $\chi^2/\text{NDF}$ : 10.2/10

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

All: -317.406+/-337.809  $\chi^2/\text{NDF}$ : 15.8/20

asym\_sam\_12345678\_avg\_rms vs Slug, Sign Corrected



Right In: 957.665+/-0.347  $\chi^2/\text{NDF}$ : 146229.4/10

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

Right Out: 947.552+/-0.329  $\chi^2/\text{NDF}$ : 151739.4/9

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

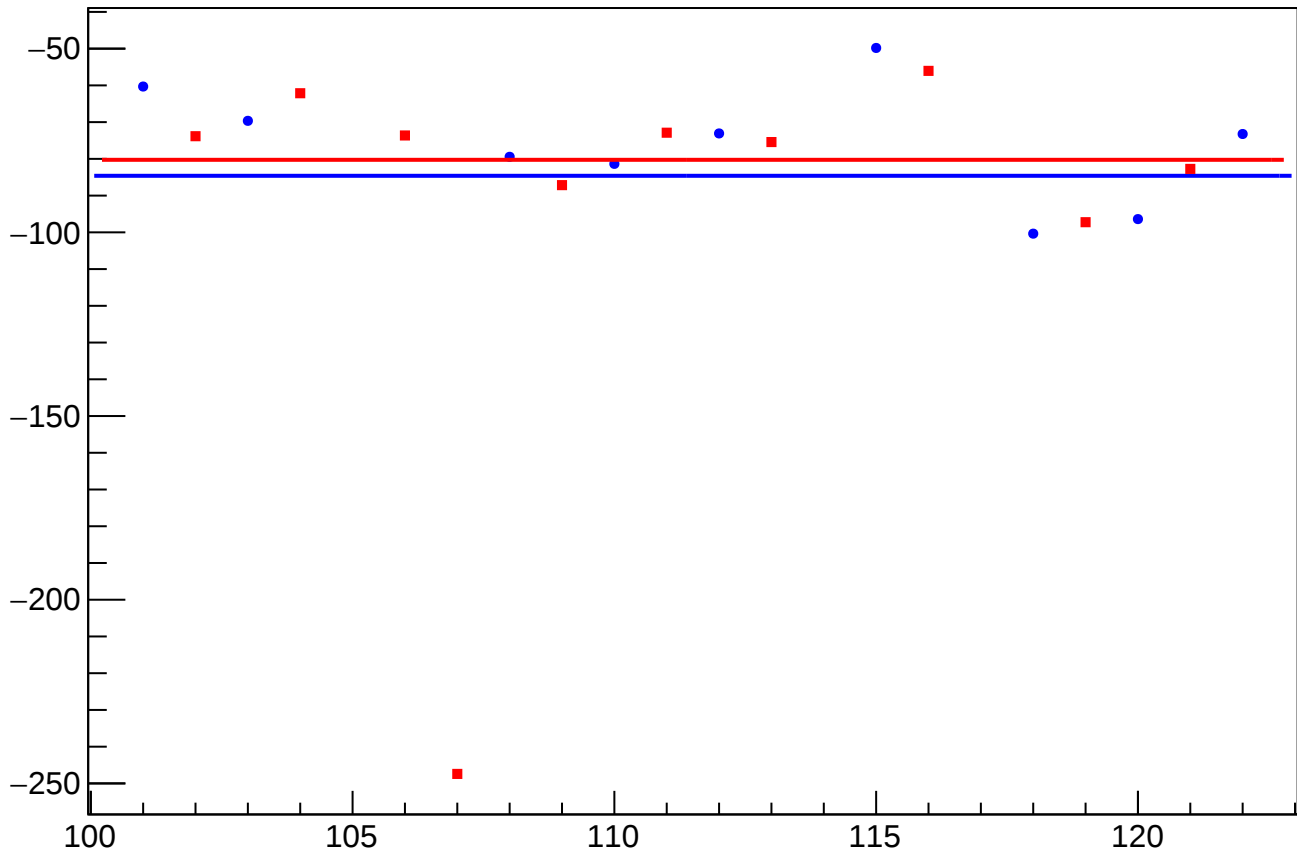
Right: 952.333+/-0.239  $\chi^2/\text{NDF}$ : 298415.5/20

In: 957.665+/-0.347  $\chi^2/\text{NDF}$ :146229.4/10

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

All: 952.333+/-0.239  $\chi^2/\text{NDF}$ : 298415.5/20

# dit\_usl\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-84.608 \pm 0.100$   $\chi^2/\text{NDF}$ : 18302.5/8

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

Right Out:  $-80.258 \pm 0.121$   $\chi^2/\text{NDF}$ : 31902.1/9

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

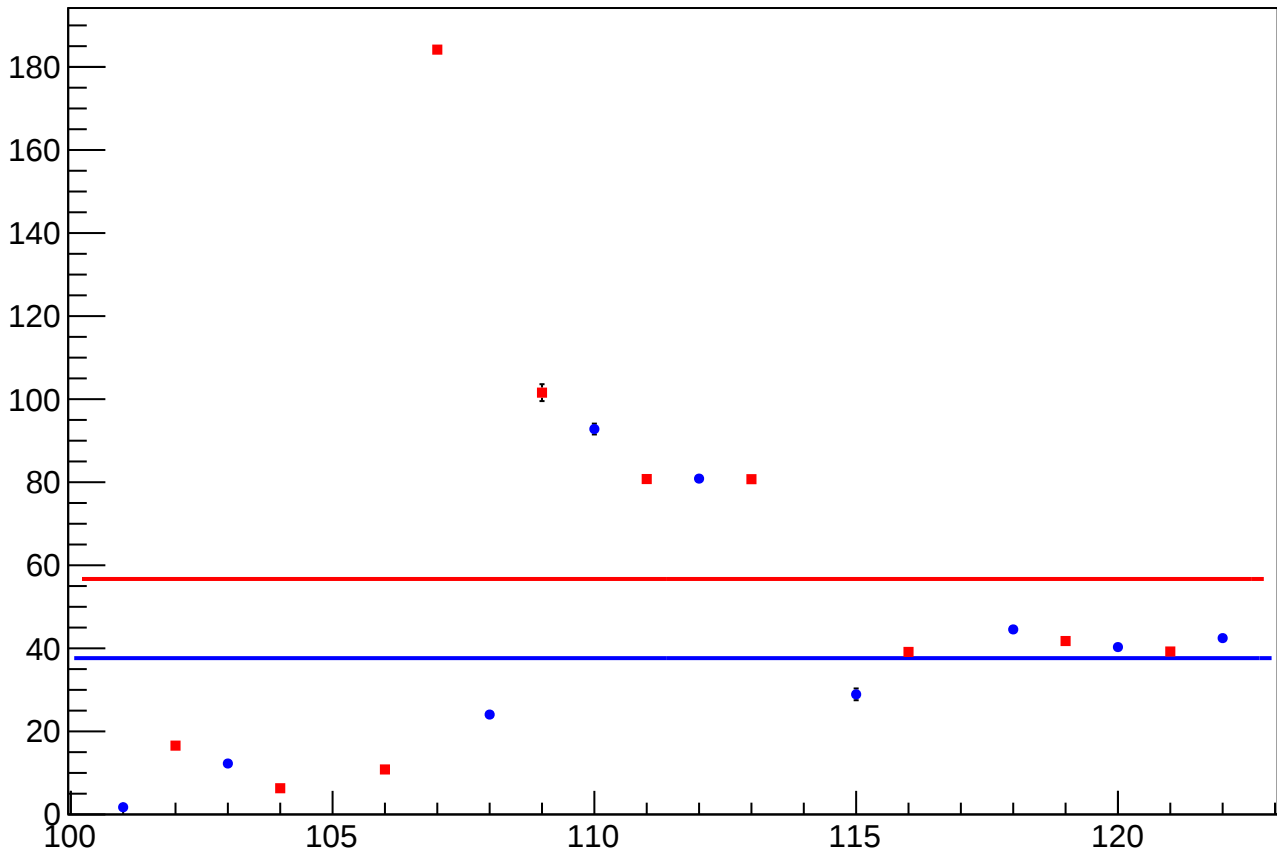
Right:  $-82.837 \pm 0.077$   $\chi^2/\text{NDF}$ : 50968.4/18

In:  $-84.608 \pm 0.100$   $\chi^2/\text{NDF}$ : 18302.5/8

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

All:  $-82.837 \pm 0.077$   $\chi^2/\text{NDF}$ : 50968.4/18

# dit\_usl\_4eX\_slope vs Slug, Sign Corrected



Right In: 37.641+/-0.075  $\chi^2/\text{NDF}$ : 36773.5/8

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

Right Out: 56.704+/-0.140  $\chi^2/\text{NDF}$ : 62286.6/9

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

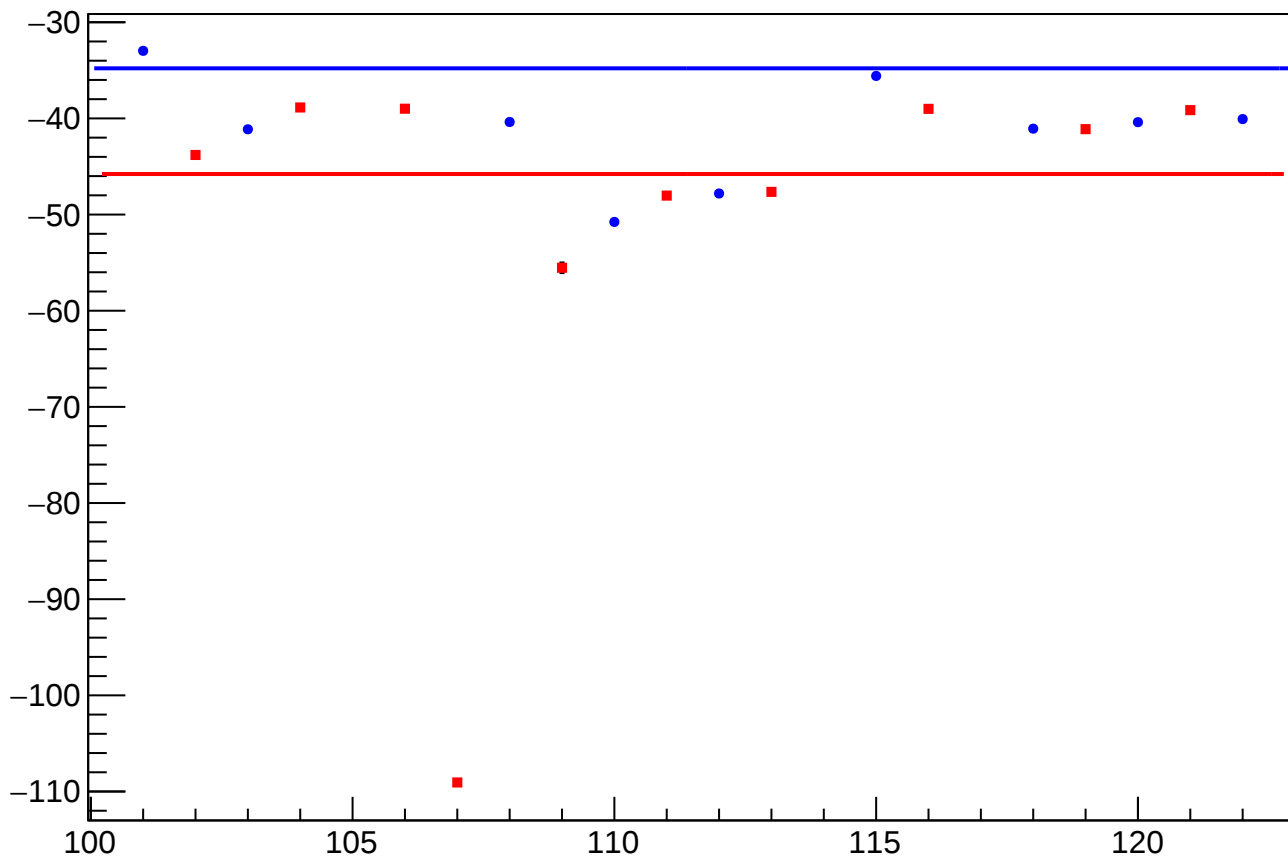
Right: 41.904+/-0.066  $\chi^2/\text{NDF}$ : 113549.4/18

In: 37.641+/-0.075  $\chi^2/\text{NDF}$ : 36773.5/8

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

All: 41.904+/-0.066  $\chi^2/\text{NDF}$ : 113549.4/18

# dit\_usl\_11X12X\_slope vs Slug, Sign Corrected



Right In: -34.793+/-0.014  $\chi^2/\text{NDF}$ : 75062.2/8

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

Right Out: -45.783+/-0.029  $\chi^2/\text{NDF}$ : 236302.1/9

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

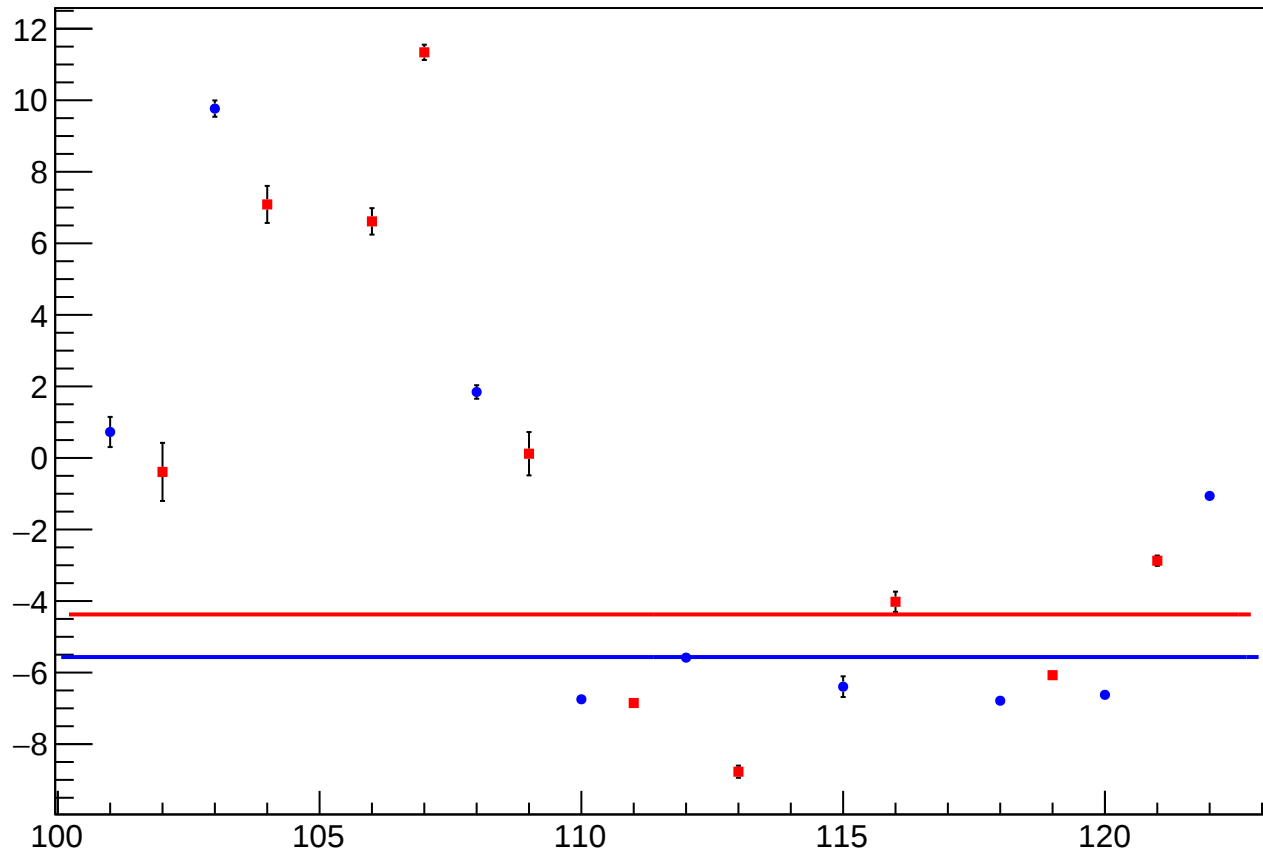
Right: -36.800+/-0.013  $\chi^2/\text{NDF}$ : 425684.4/18

In: -34.793+/-0.014  $\chi^2/\text{NDF}$ : 75062.2/8

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

All: -36.800+/-0.013  $\chi^2/\text{NDF}$ : 425684.4/18

# dit\_usl\_4aY\_slope vs Slug, Sign Corrected



Right In: -5.566+/-0.030  $\chi^2/\text{NDF}$ : 8964.3/8

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

Right Out: -4.375+/-0.054  $\chi^2/\text{NDF}$ : 8427.8/9

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

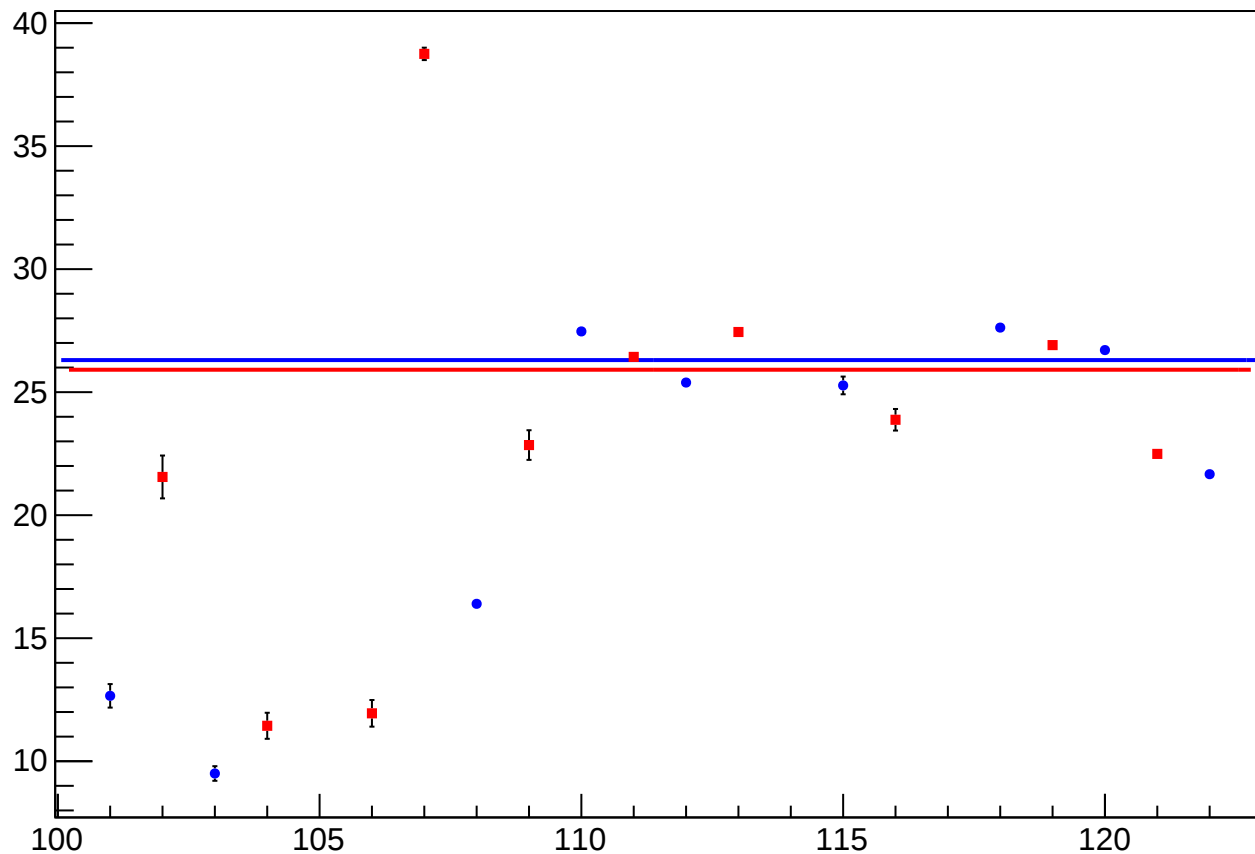
Right: -5.288+/-0.026  $\chi^2/\text{NDF}$ : 17767.2/18

In: -5.566+/-0.030  $\chi^2/\text{NDF}$ : 8964.3/8

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

All: -5.288+/-0.026  $\chi^2/\text{NDF}$ : 17767.2/18

# dit\_usl\_4eY\_slope vs Slug, Sign Corrected



Right In: 26.304+/-0.034  $\chi^2/\text{NDF}$ : 8991.5/8

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

Right Out: 25.912+/-0.039  $\chi^2/\text{NDF}$ : 6379.4/9

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

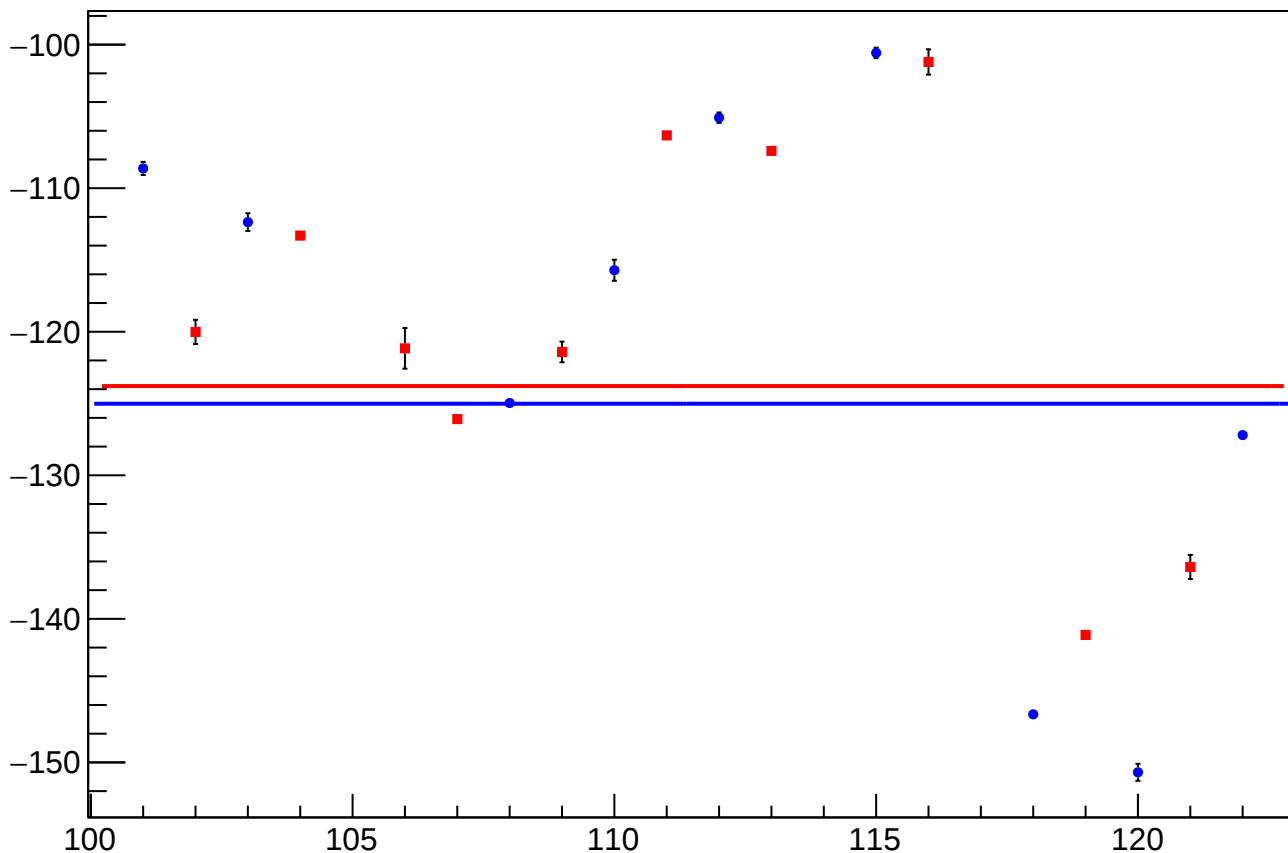
Right: 26.139+/-0.026  $\chi^2/\text{NDF}$ : 15428.2/18

In: 26.304+/-0.034  $\chi^2/\text{NDF}$ : 8991.5/8

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

All: 26.139+/-0.026  $\chi^2/\text{NDF}$ : 15428.2/18

# dit\_usr\_4aX\_slope vs Slug, Sign Corrected



Right In: -125.014 $\pm$ 0.110  $\chi^2$ /NDF: 18906.2/8

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

Right Out: -123.786 $\pm$ 0.108  $\chi^2$ /NDF: 18556.8/9

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

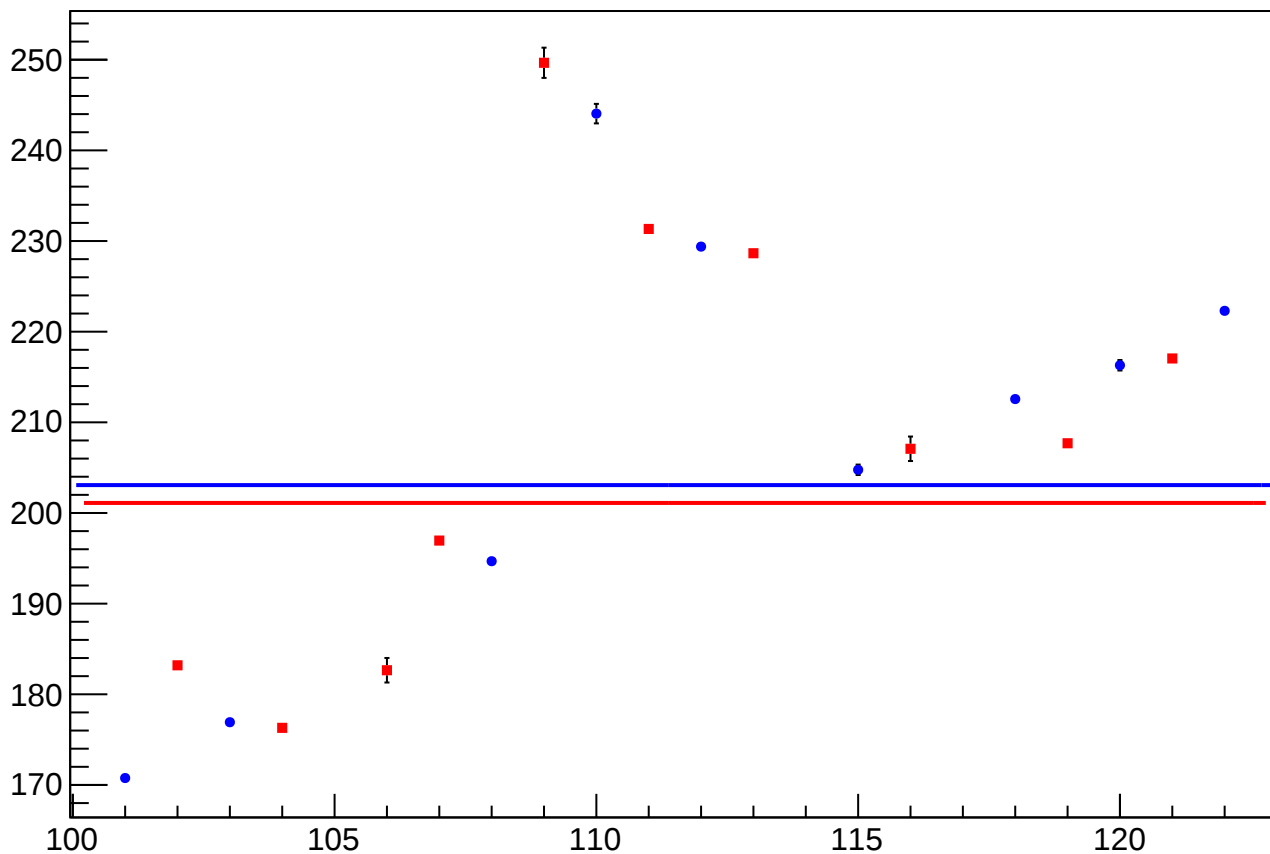
Right: -124.388 $\pm$ 0.077  $\chi^2$ /NDF: 37526.9/18

In: -125.014 $\pm$ 0.110  $\chi^2$ /NDF:18906.2/8

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

All: -124.388 $\pm$ 0.077  $\chi^2$ /NDF: 37526.9/18

# dit\_usr\_4eX\_slope vs Slug, Sign Corrected



Right In: 203.076+/-0.106  $\chi^2/\text{NDF}$ : 28789.5/8

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

Right Out: 201.108+/-0.099  $\chi^2/\text{NDF}$ : 34912.1/9

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

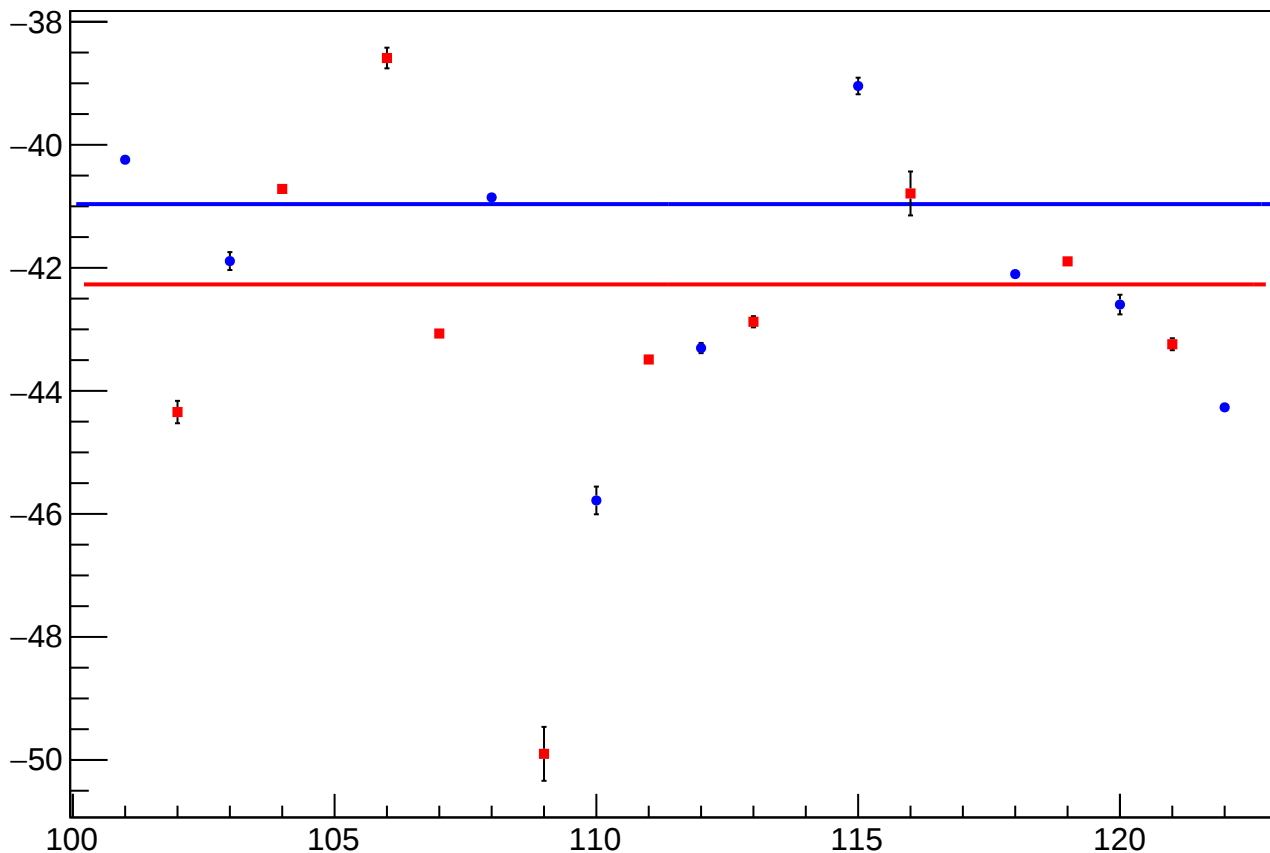
Right: 202.023+/-0.073  $\chi^2/\text{NDF}$ : 63884.8/18

In: 203.076+/-0.106  $\chi^2/\text{NDF}$ : 28789.5/8

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

All: 202.023+/-0.073  $\chi^2/\text{NDF}$ : 63884.8/18

# dit\_usr\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-40.964 \pm 0.018$   $\chi^2/\text{NDF}: 5221.2/8$

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

Right Out:  $-42.269 \pm 0.027$   $\chi^2/\text{NDF}: 2239.5/9$

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

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

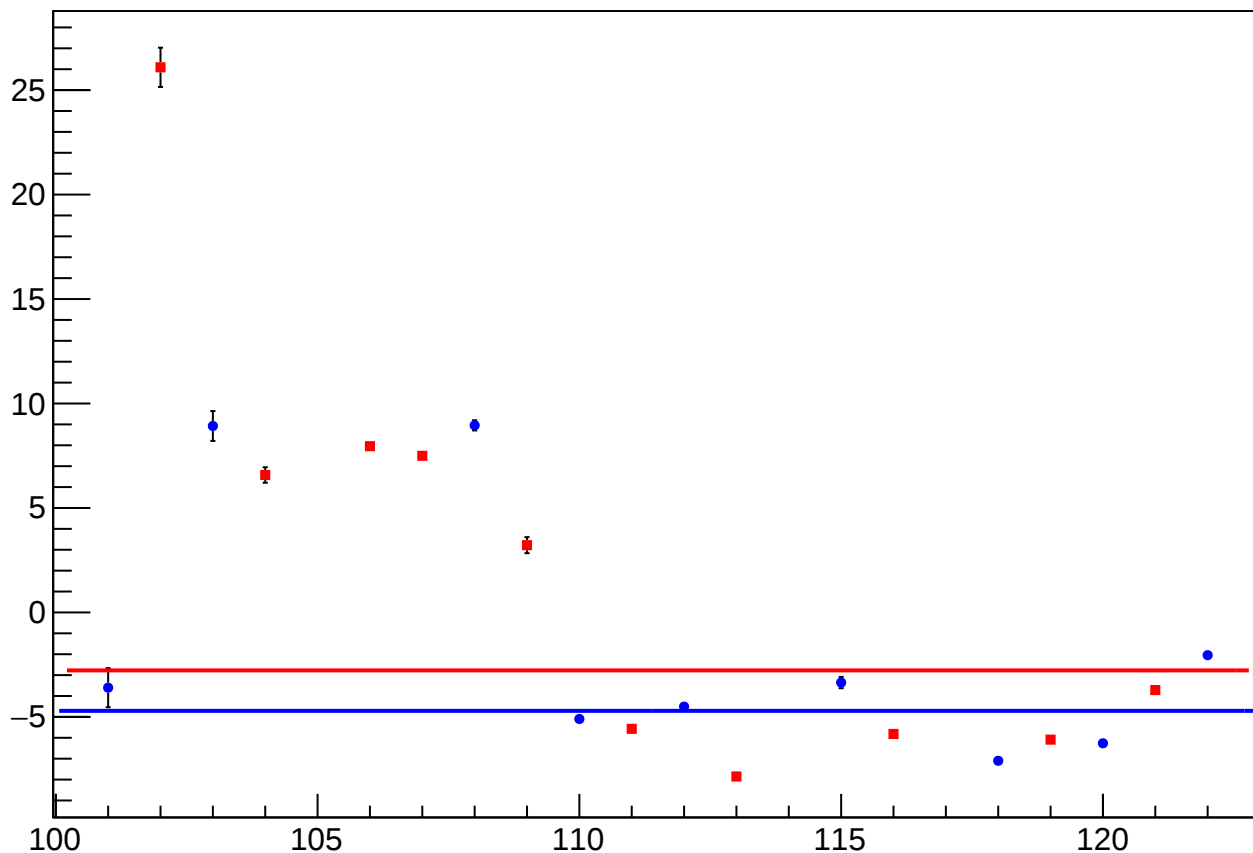
Right:  $-41.369 \pm 0.015$   $\chi^2/\text{NDF}: 9059.3/18$

In:  $-40.964 \pm 0.018$   $\chi^2/\text{NDF}: 5221.2/8$

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

All:  $-41.369 \pm 0.015$   $\chi^2/\text{NDF}: 9059.3/18$

# dit\_usr\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-4.711 \pm 0.052$   $\chi^2/\text{NDF}: 4722.3/8$

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

Right Out:  $-2.774 \pm 0.037$   $\chi^2/\text{NDF}: 23307.2/9$

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

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

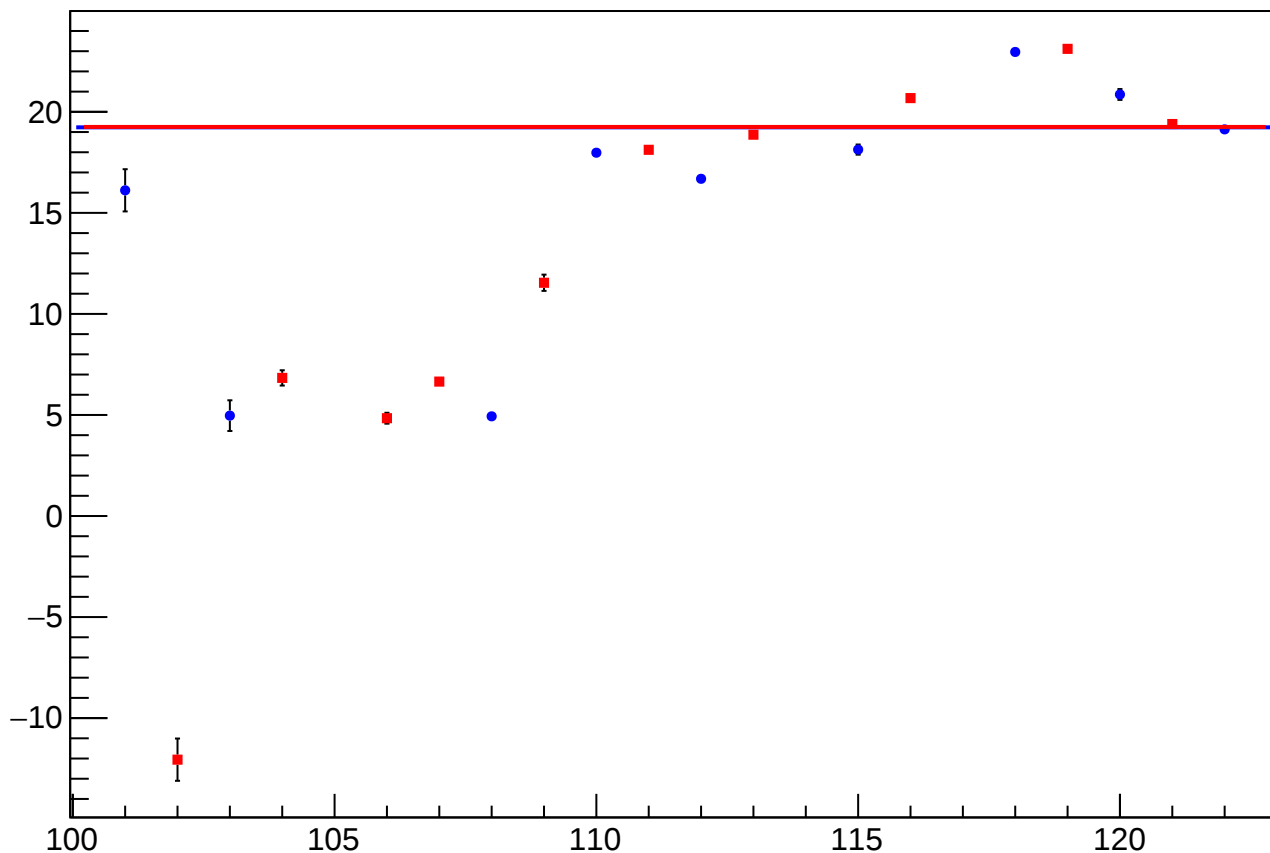
Right:  $-3.428 \pm 0.030$   $\chi^2/\text{NDF}: 28934.2/18$

In:  $-4.711 \pm 0.052$   $\chi^2/\text{NDF}: 4722.3/8$

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

All:  $-3.428 \pm 0.030$   $\chi^2/\text{NDF}: 28934.2/18$

# dit\_usr\_4eY\_slope vs Slug, Sign Corrected



Right In: 19.233+/-0.057  $\chi^2/\text{NDF}$ : 5919.5/8

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

Right Out: 19.252+/-0.033  $\chi^2/\text{NDF}$ : 25060.2/9

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

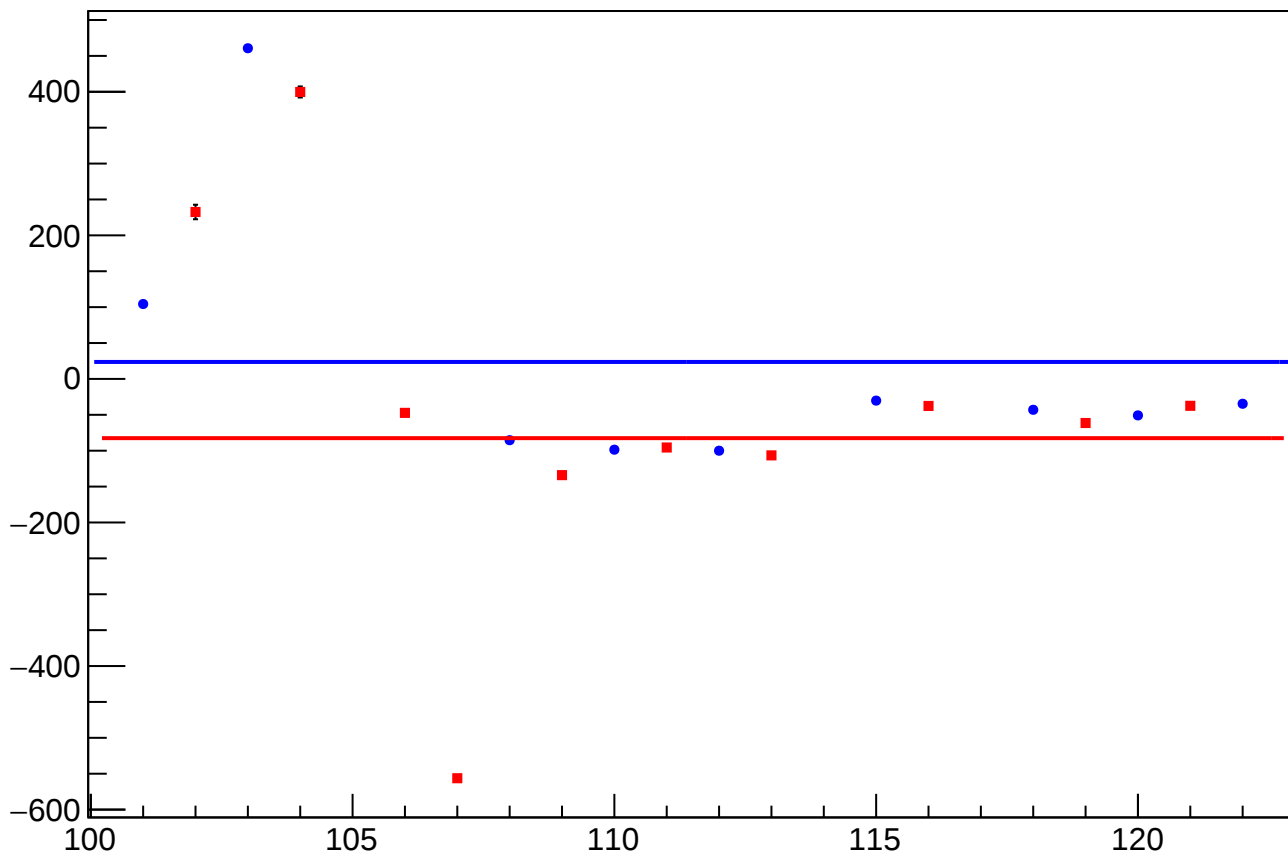
Right: 19.247+/-0.029  $\chi^2/\text{NDF}$ : 30979.7/18

In: 19.233+/-0.057  $\chi^2/\text{NDF}$ :5919.5/8

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

All: 19.247+/-0.029  $\chi^2/\text{NDF}$ : 30979.7/18

# dit\_atl1\_4aX\_slope vs Slug, Sign Corrected



Right In: 23.648+/-0.276  $\chi^2/\text{NDF}$ : 397868.3/8

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

Right Out: -82.523+/-0.326  $\chi^2/\text{NDF}$ : 29670.9/9

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

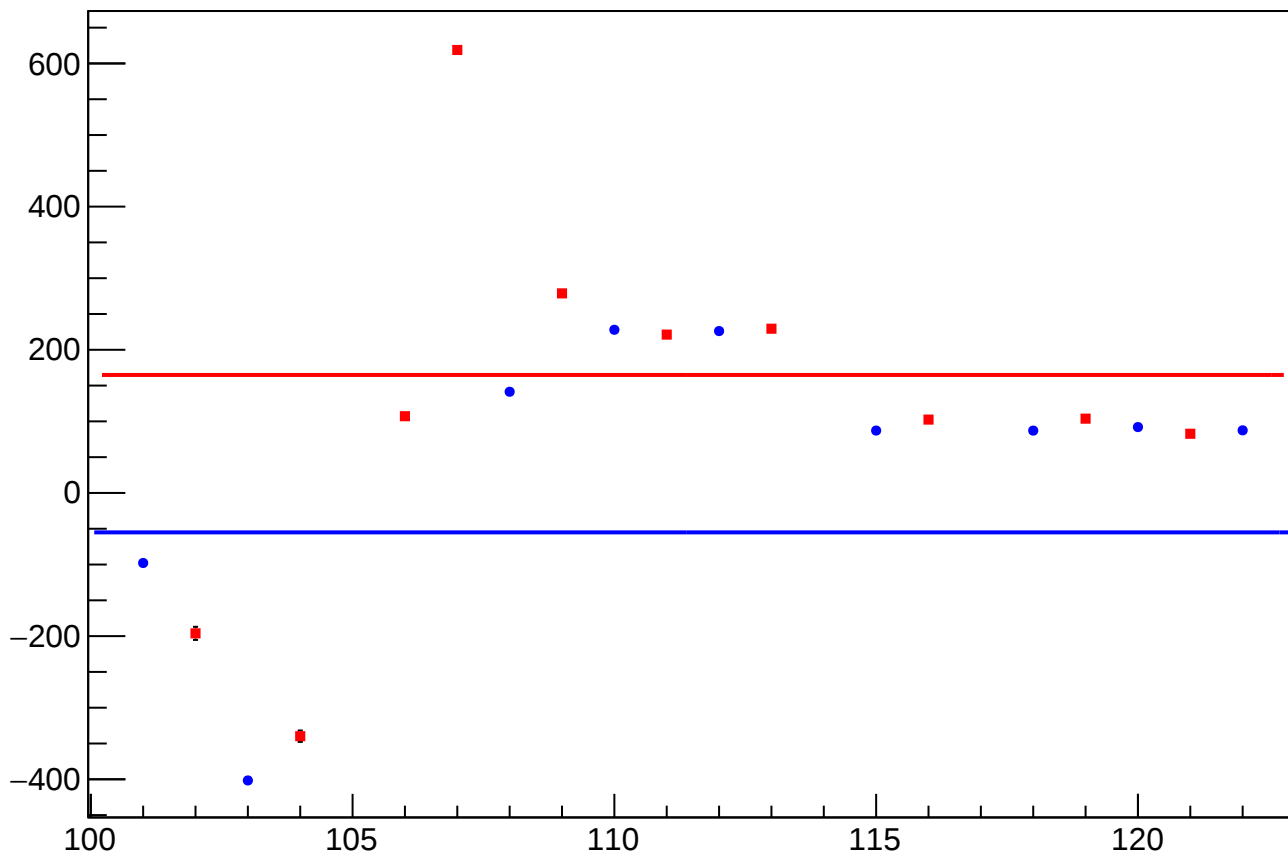
Right: -20.606+/-0.210  $\chi^2/\text{NDF}$ : 489399.0/18

In: 23.648+/-0.276  $\chi^2/\text{NDF}$ : 397868.3/8

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

All: -20.606+/-0.210  $\chi^2/\text{NDF}$ : 489399.0/18

# dit\_atl1\_4eX\_slope vs Slug, Sign Corrected



Right In: -55.069+/-0.216  $\chi^2/\text{NDF}$ : 860854.5/8

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

Right Out: 164.835+/-0.399  $\chi^2/\text{NDF}$ : 50878.2/9

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

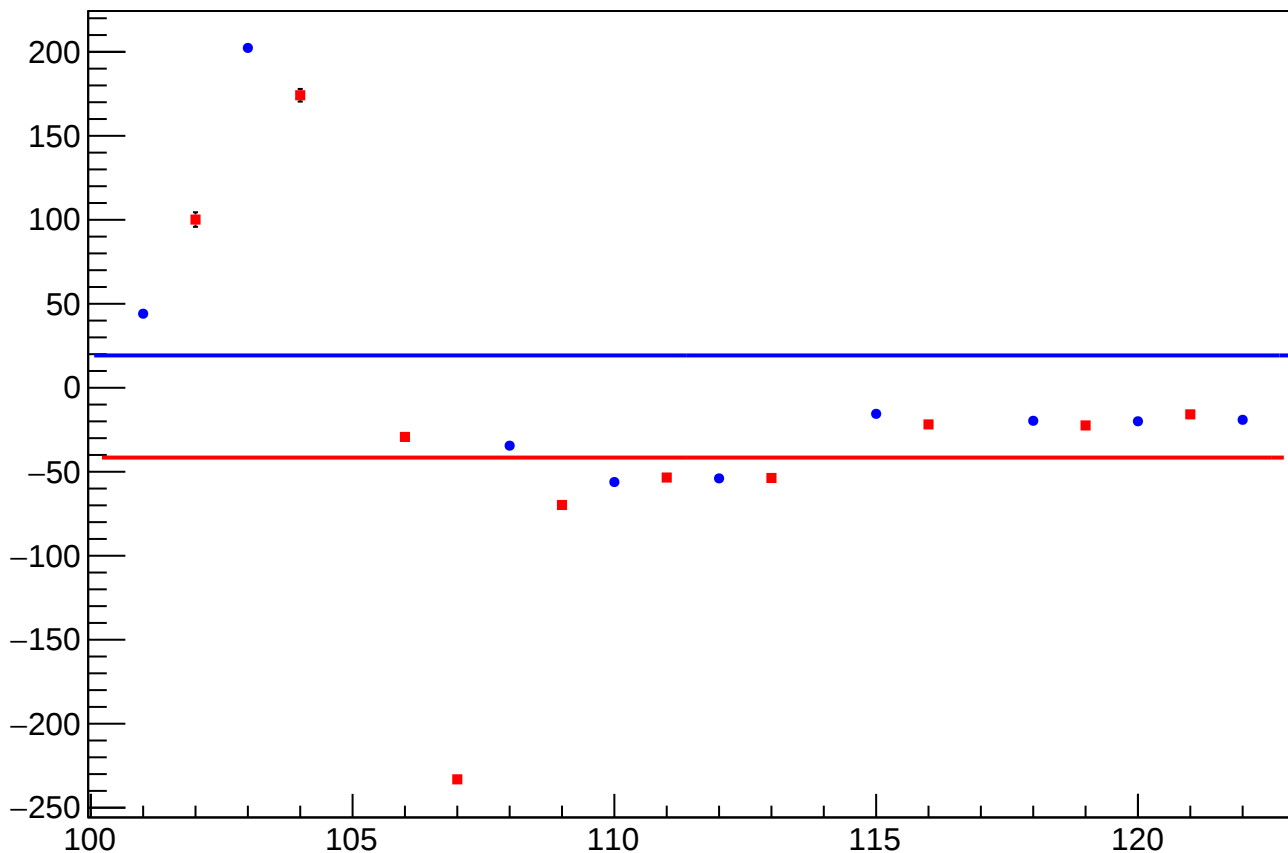
Right: -5.334+/-0.190  $\chi^2/\text{NDF}$ : 1147200.3/18

In: -55.069+/-0.216  $\chi^2/\text{NDF}$ :860854.5/8

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

All: -5.334+/-0.190  $\chi^2/\text{NDF}$ : 1147200.3/18

# dit\_atl1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 19.256+/-0.035  $\chi^2/\text{NDF}$ : 2921071.5/8

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

Right Out: -41.556+/-0.078  $\chi^2/\text{NDF}$ : 96357.5/9

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

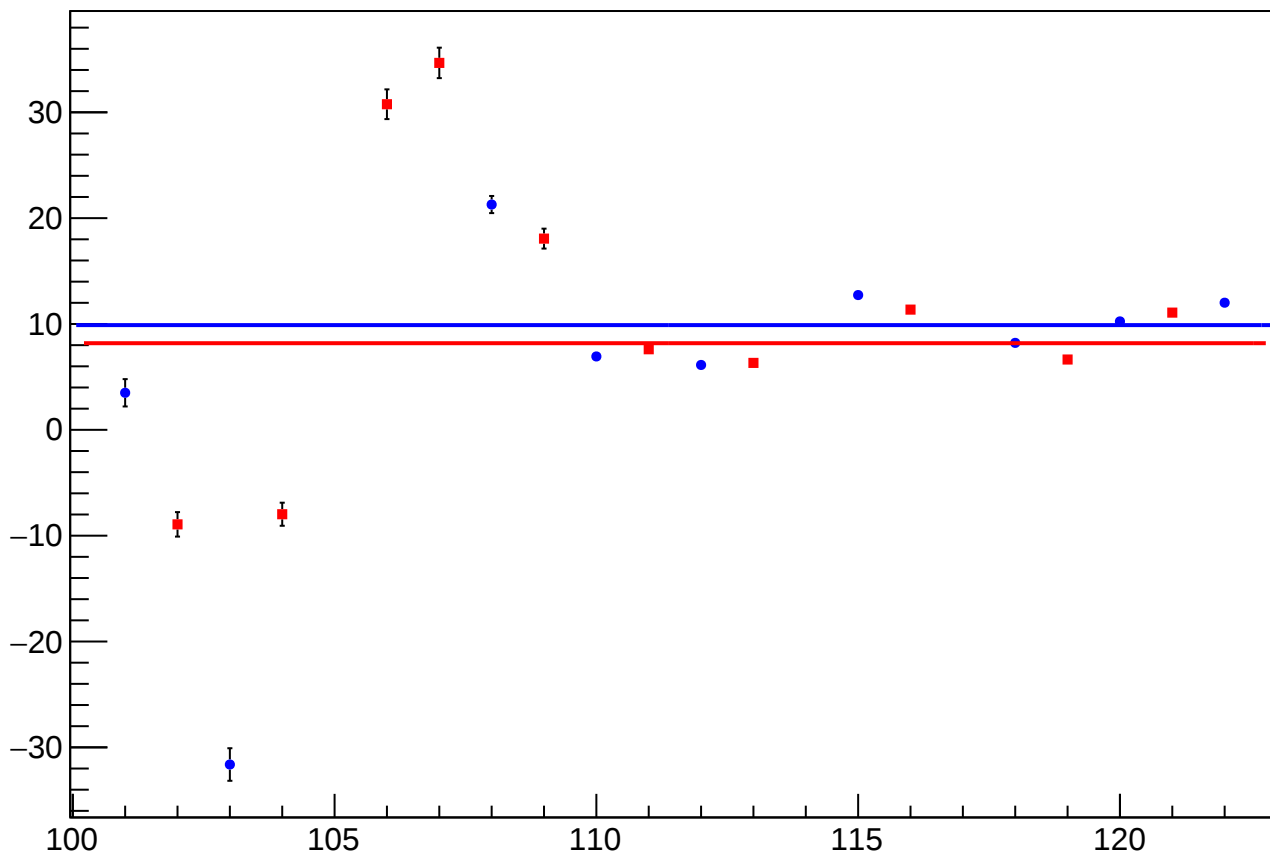
Right: 9.176+/-0.032  $\chi^2/\text{NDF}$ : 3528783.9/18

In: 19.256+/-0.035  $\chi^2/\text{NDF}$ : 2921071.5/8

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

All: 9.176+/-0.032  $\chi^2/\text{NDF}$ : 3528783.9/18

# dit\_atl1\_4aY\_slope vs Slug, Sign Corrected



Right In: 9.895+/-0.075  $\chi^2/\text{NDF}$ : 1545.1/8

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

Right Out: 8.185+/-0.068  $\chi^2/\text{NDF}$ : 1784.6/9

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

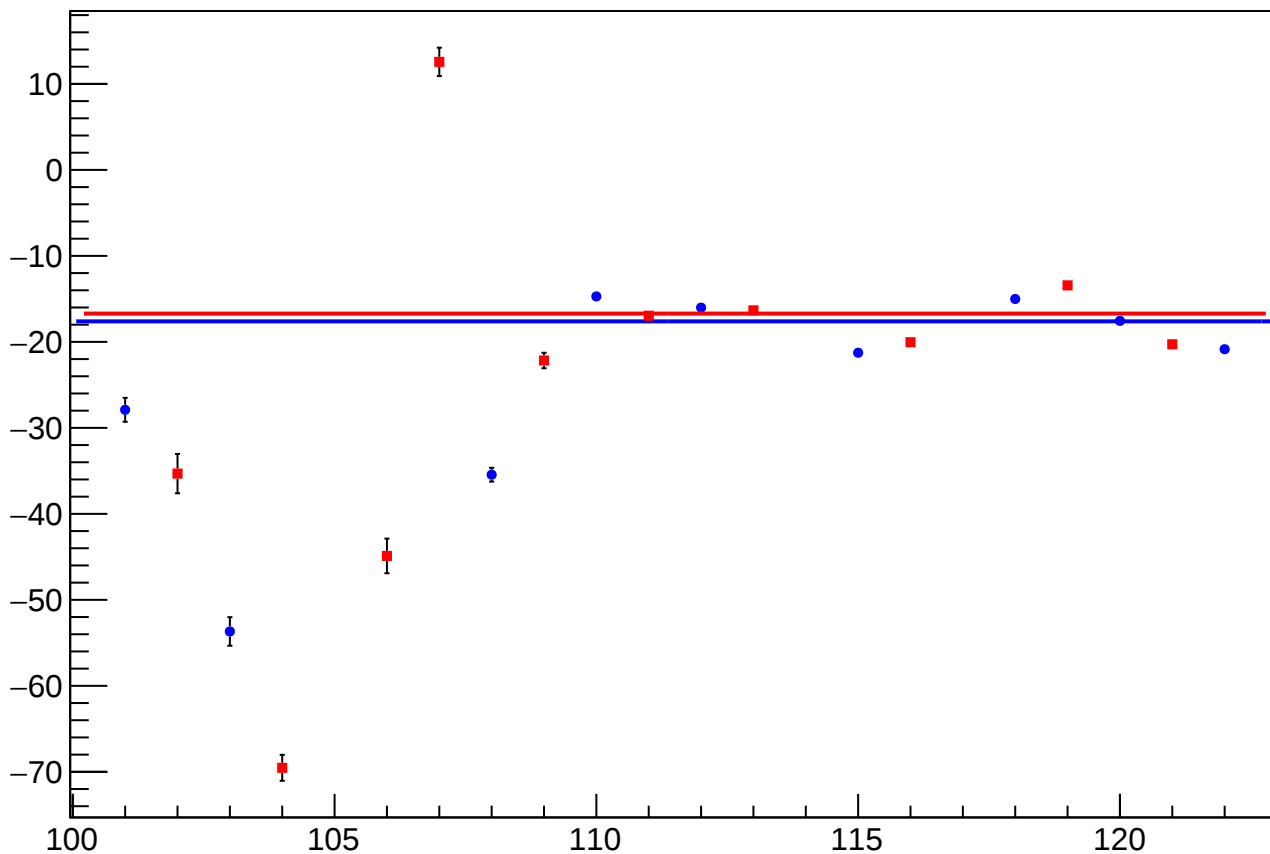
Right: 8.963+/-0.051  $\chi^2/\text{NDF}$ : 3613.4/18

In: 9.895+/-0.075  $\chi^2/\text{NDF}$ : 1545.1/8

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

All: 8.963+/-0.051  $\chi^2/\text{NDF}$ : 3613.4/18

# dit\_atl1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-17.614 \pm 0.071$   $\chi^2/\text{NDF}$ : 2154.1/8

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

Right Out:  $-16.710 \pm 0.077$   $\chi^2/\text{NDF}$ : 3065.7/9

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

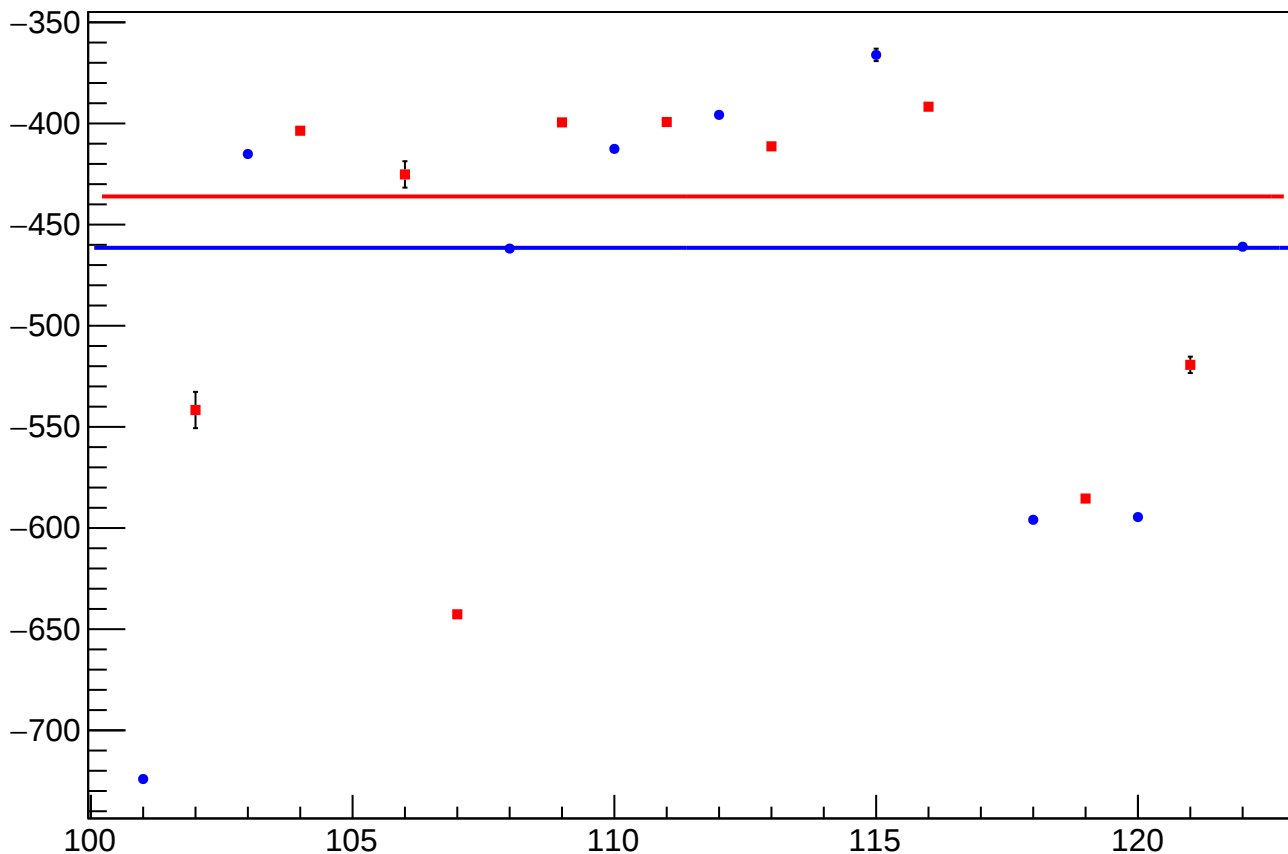
Right:  $-17.200 \pm 0.052$   $\chi^2/\text{NDF}$ : 5294.6/18

In:  $-17.614 \pm 0.071$   $\chi^2/\text{NDF}$ : 2154.1/8

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

All:  $-17.200 \pm 0.052$   $\chi^2/\text{NDF}$ : 5294.6/18

# dit\_atl2\_4aX\_slope vs Slug, Sign Corrected



Right In: -461.473+/-0.278  $\chi^2/\text{NDF}$ : 97136.3/8

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

Right Out: -436.082+/-0.217  $\chi^2/\text{NDF}$ : 105865.7/9

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

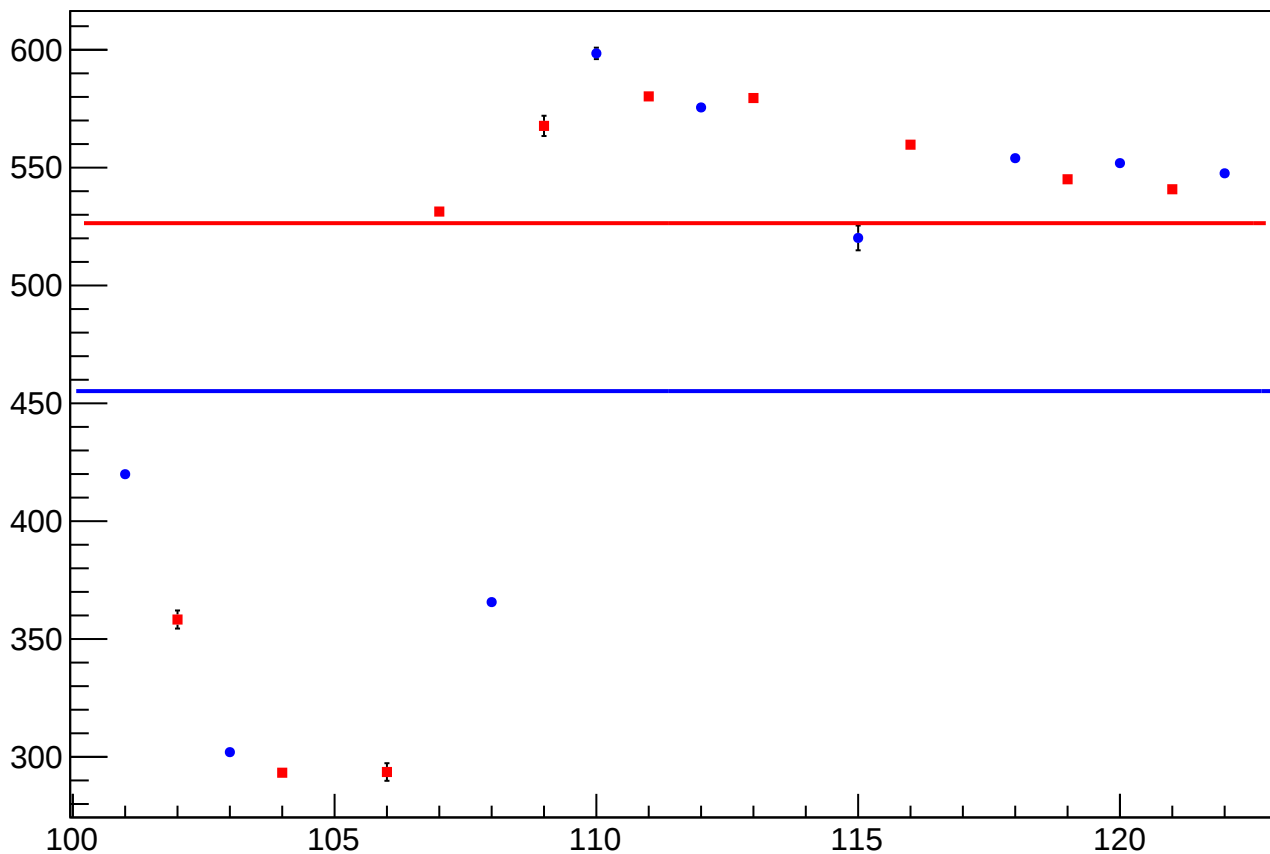
Right: -445.691+/-0.171  $\chi^2/\text{NDF}$ : 208184.6/18

In: -461.473+/-0.278  $\chi^2/\text{NDF}$ :97136.3/8

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

All: -445.691+/-0.171  $\chi^2/\text{NDF}$ : 208184.6/18

# dit\_atl2\_4eX\_slope vs Slug, Sign Corrected



Right In: 455.188+/-0.272  $\chi^2/\text{NDF}$ : 148200.7/8

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

Right Out: 526.439+/-0.253  $\chi^2/\text{NDF}$ : 146240.1/9

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

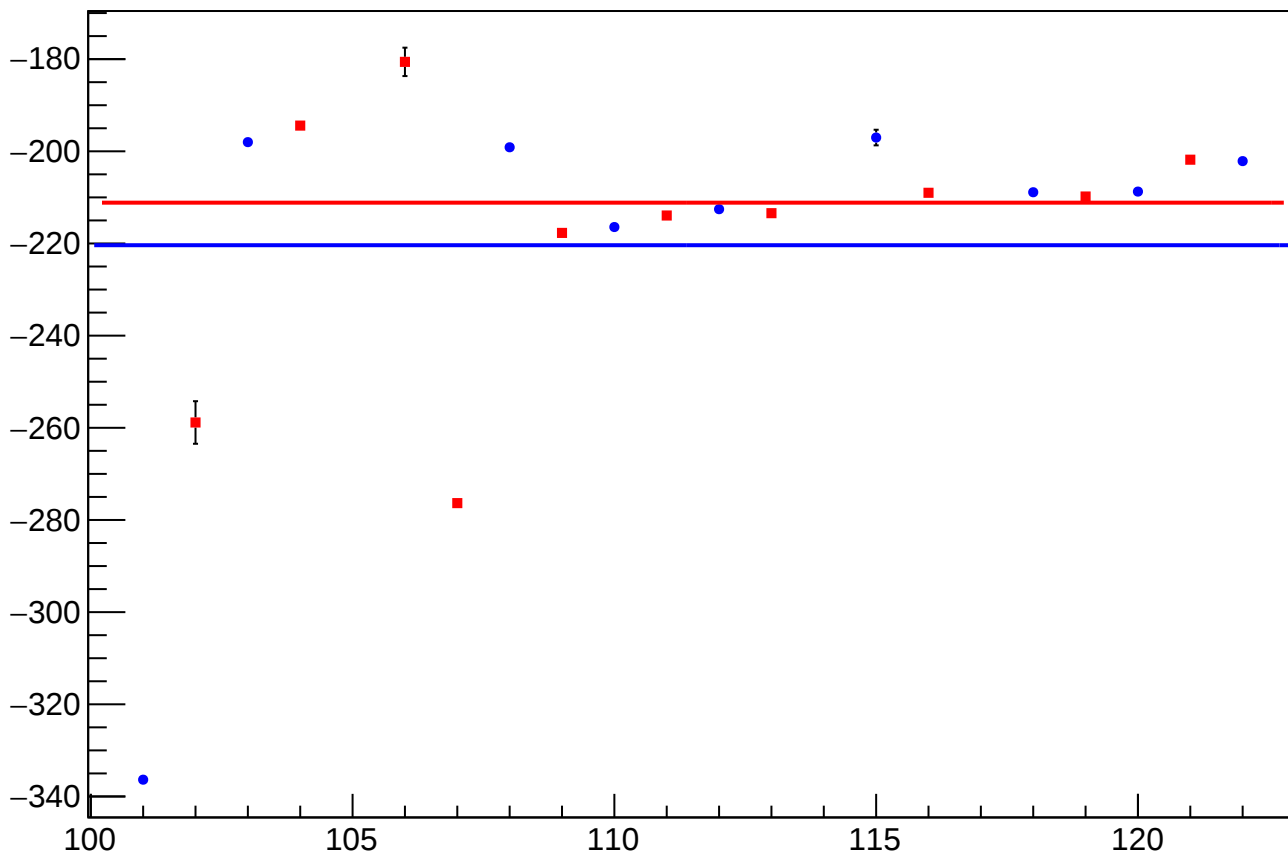
Right: 493.404+/-0.185  $\chi^2/\text{NDF}$ : 331143.5/18

In: 455.188+/-0.272  $\chi^2/\text{NDF}$ : 148200.7/8

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

All: 493.404+/-0.185  $\chi^2/\text{NDF}$ : 331143.5/18

# dit\_atl2\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-220.377 \pm 0.077$   $\chi^2/\text{NDF}$ : 257898.7/8

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

Right Out:  $-211.144 \pm 0.057$   $\chi^2/\text{NDF}$ : 83284.5/9

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

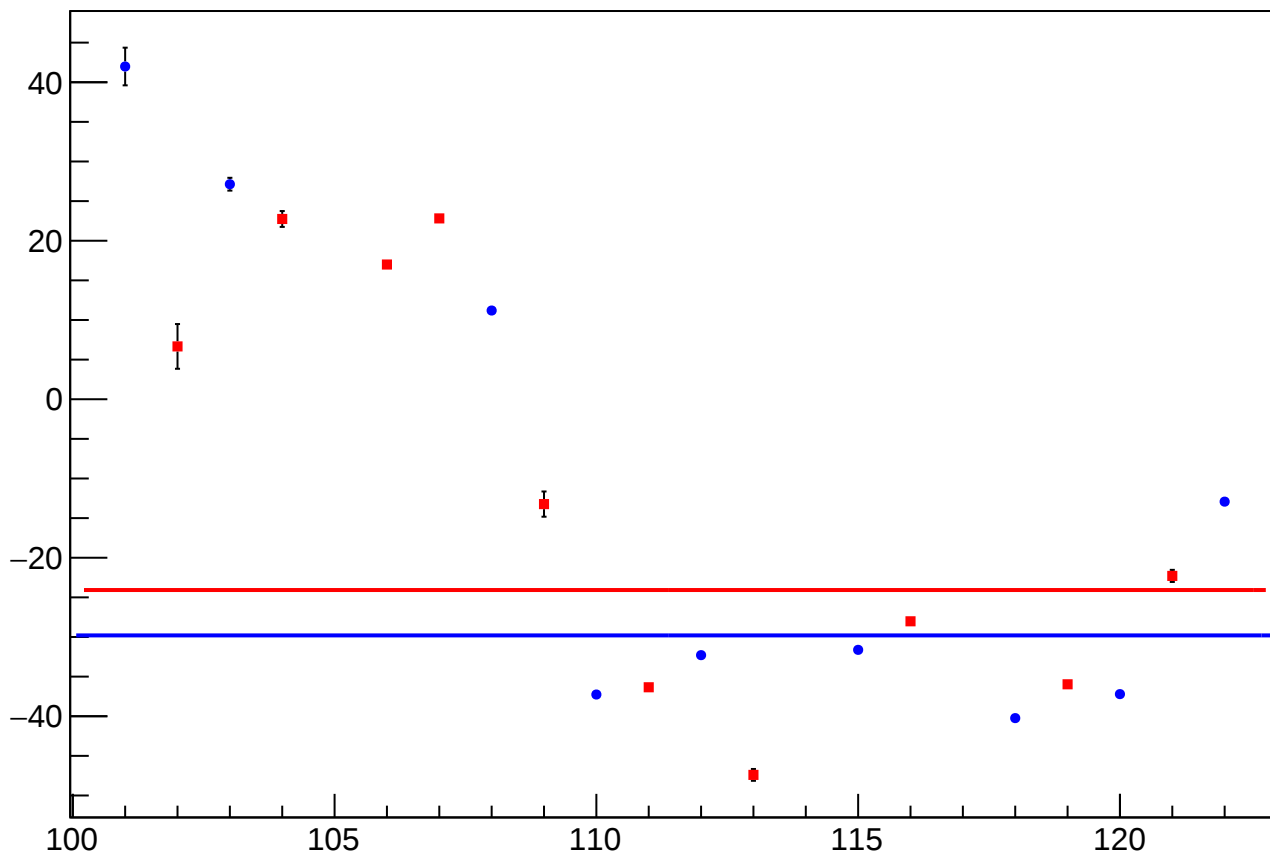
Right:  $-214.378 \pm 0.046$   $\chi^2/\text{NDF}$ : 350524.9/18

In:  $-220.377 \pm 0.077$   $\chi^2/\text{NDF}$ : 257898.7/8

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

All:  $-214.378 \pm 0.046$   $\chi^2/\text{NDF}$ : 350524.9/18

# dit\_atl2\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-29.800 \pm 0.092$   $\chi^2/\text{NDF}$ : 34278.8/8

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

Right Out:  $-24.074 \pm 0.167$   $\chi^2/\text{NDF}$ : 17556.5/9

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

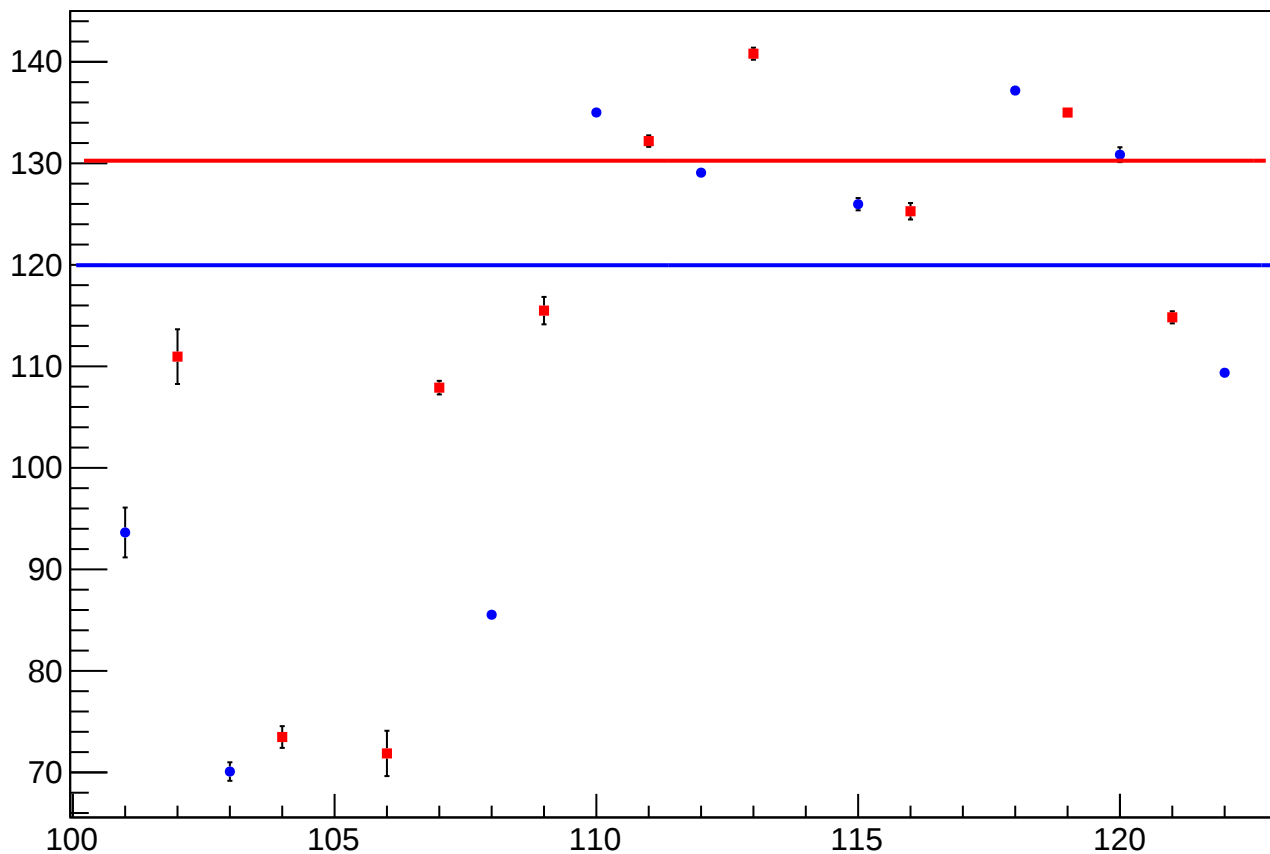
Right:  $-28.472 \pm 0.081$   $\chi^2/\text{NDF}$ : 52734.7/18

In:  $-29.800 \pm 0.092$   $\chi^2/\text{NDF}$ : 34278.8/8

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

All:  $-28.472 \pm 0.081$   $\chi^2/\text{NDF}$ : 52734.7/18

# dit\_atl2\_4eY\_slope vs Slug, Sign Corrected



Right In: 119.963+/-0.112  $\chi^2/\text{NDF}$ : 36883.8/8

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

Right Out: 130.260+/-0.152  $\chi^2/\text{NDF}$ : 6462.4/9

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

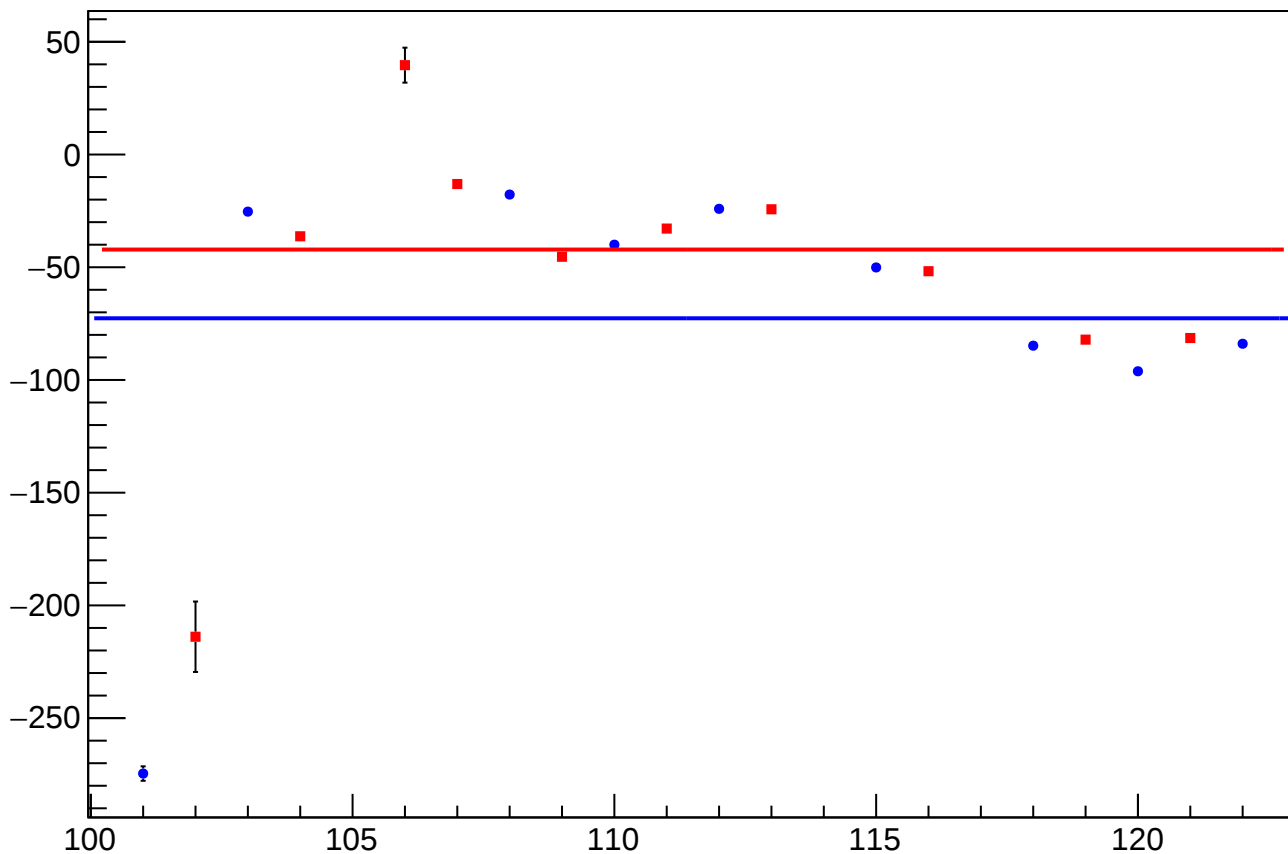
Right: 123.582+/-0.090  $\chi^2/\text{NDF}$ : 46309.0/18

In: 119.963+/-0.112  $\chi^2/\text{NDF}$ :36883.8/8

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

All: 123.582+/-0.090  $\chi^2/\text{NDF}$ : 46309.0/18

# dit\_atr1\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-72.644 \pm 0.182$   $\chi^2/\text{NDF}: 23780.2/8$

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

Right Out:  $-42.148 \pm 0.227$   $\chi^2/\text{NDF}: 10758.0/9$

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

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

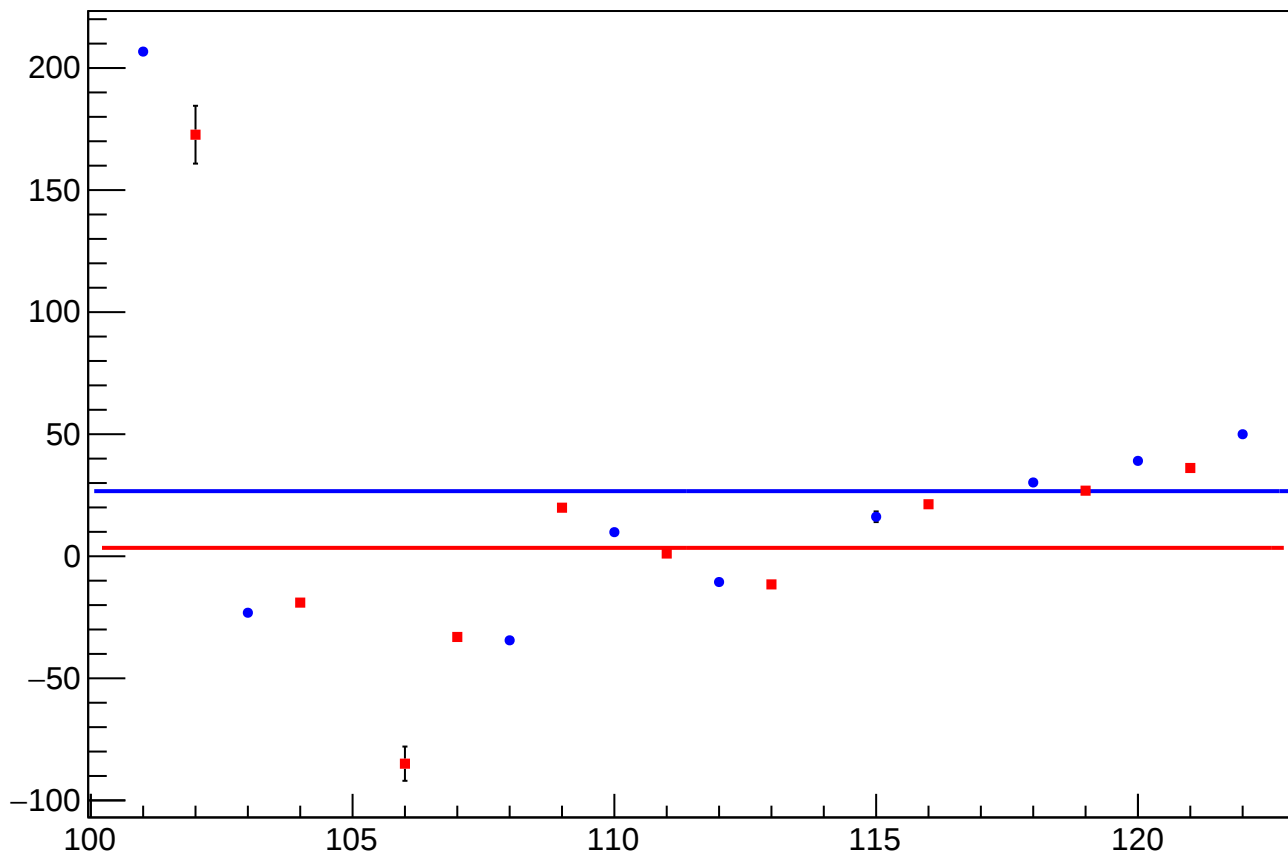
Right:  $-60.741 \pm 0.142$   $\chi^2/\text{NDF}: 45531.0/18$

In:  $-72.644 \pm 0.182$   $\chi^2/\text{NDF}: 23780.2/8$

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

All:  $-60.741 \pm 0.142$   $\chi^2/\text{NDF}: 45531.0/18$

# dit\_atr1\_4eX\_slope vs Slug, Sign Corrected



Right In: 26.675 $\pm$ 0.180  $\chi^2$ /NDF: 24009.5/8

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

Right Out: 3.443 $\pm$ 0.249  $\chi^2$ /NDF: 7615.0/9

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

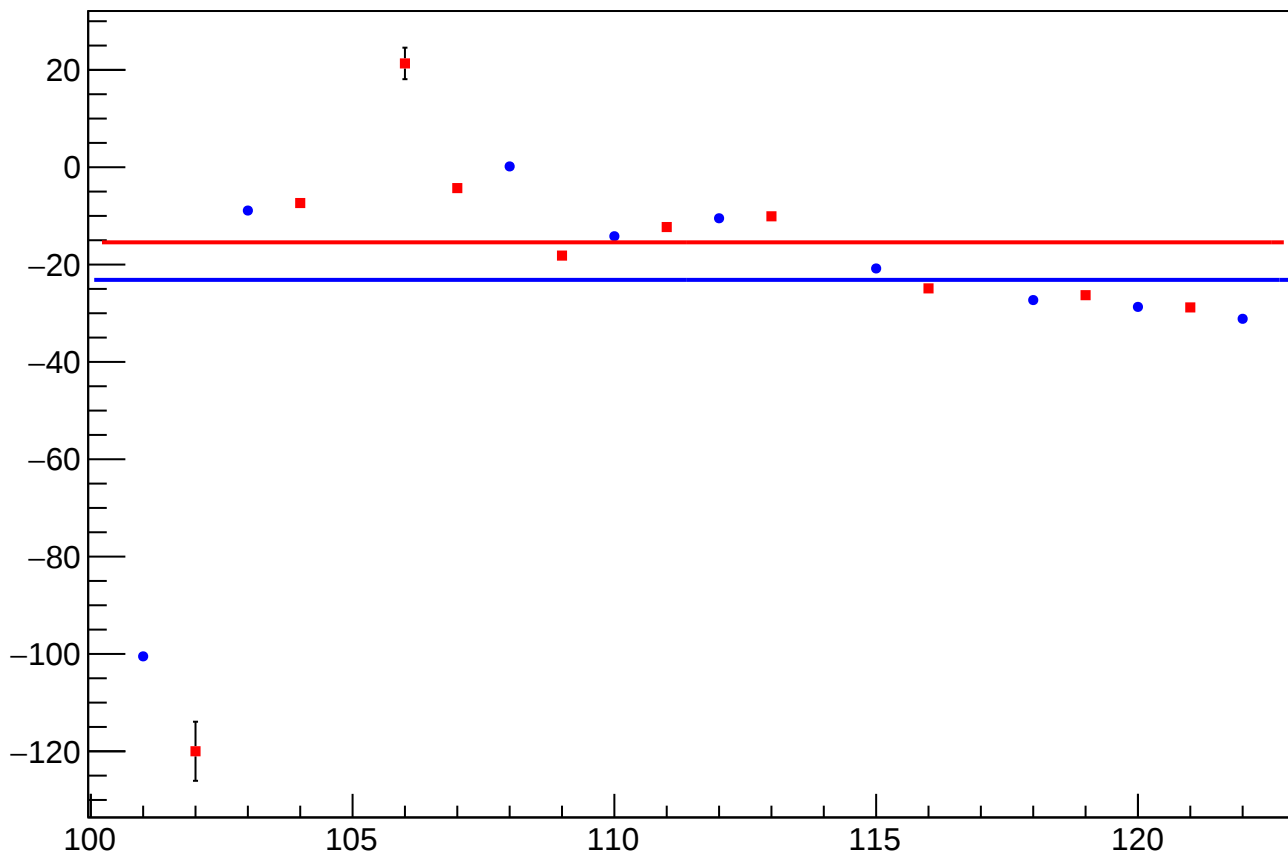
Right: 18.715 $\pm$ 0.146  $\chi^2$ /NDF: 37329.7/18

In: 26.675 $\pm$ 0.180  $\chi^2$ /NDF:24009.5/8

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

All: 18.715 $\pm$ 0.146  $\chi^2$ /NDF: 37329.7/18

# dit\_atr1\_11X12X\_slope vs Slug, Sign Corrected



Right In: -23.143+/-0.056  $\chi^2/\text{NDF}$ : 90335.5/8

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

Right Out: -15.430+/-0.046  $\chi^2/\text{NDF}$ : 29040.8/9

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

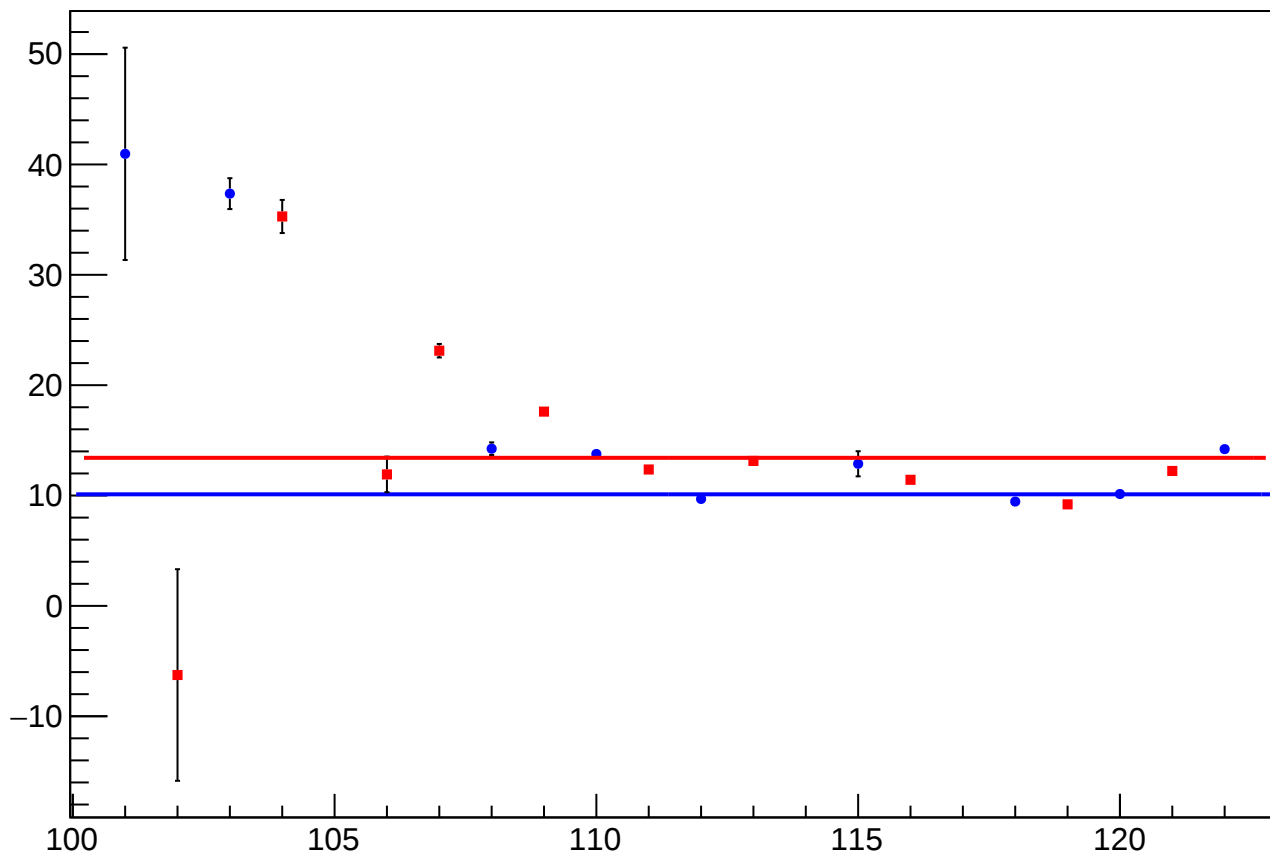
Right: -18.554+/-0.036  $\chi^2/\text{NDF}$ : 130585.6/18

In: -23.143+/-0.056  $\chi^2/\text{NDF}$ : 90335.5/8

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

All: -18.554+/-0.036  $\chi^2/\text{NDF}$ : 130585.6/18

# dit\_atr1\_4aY\_slope vs Slug, Sign Corrected



Right In: 10.110+/-0.057  $\chi^2/\text{NDF}$ : 766.0/8

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

Right Out: 13.417+/-0.099  $\chi^2/\text{NDF}$ : 1141.5/9

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

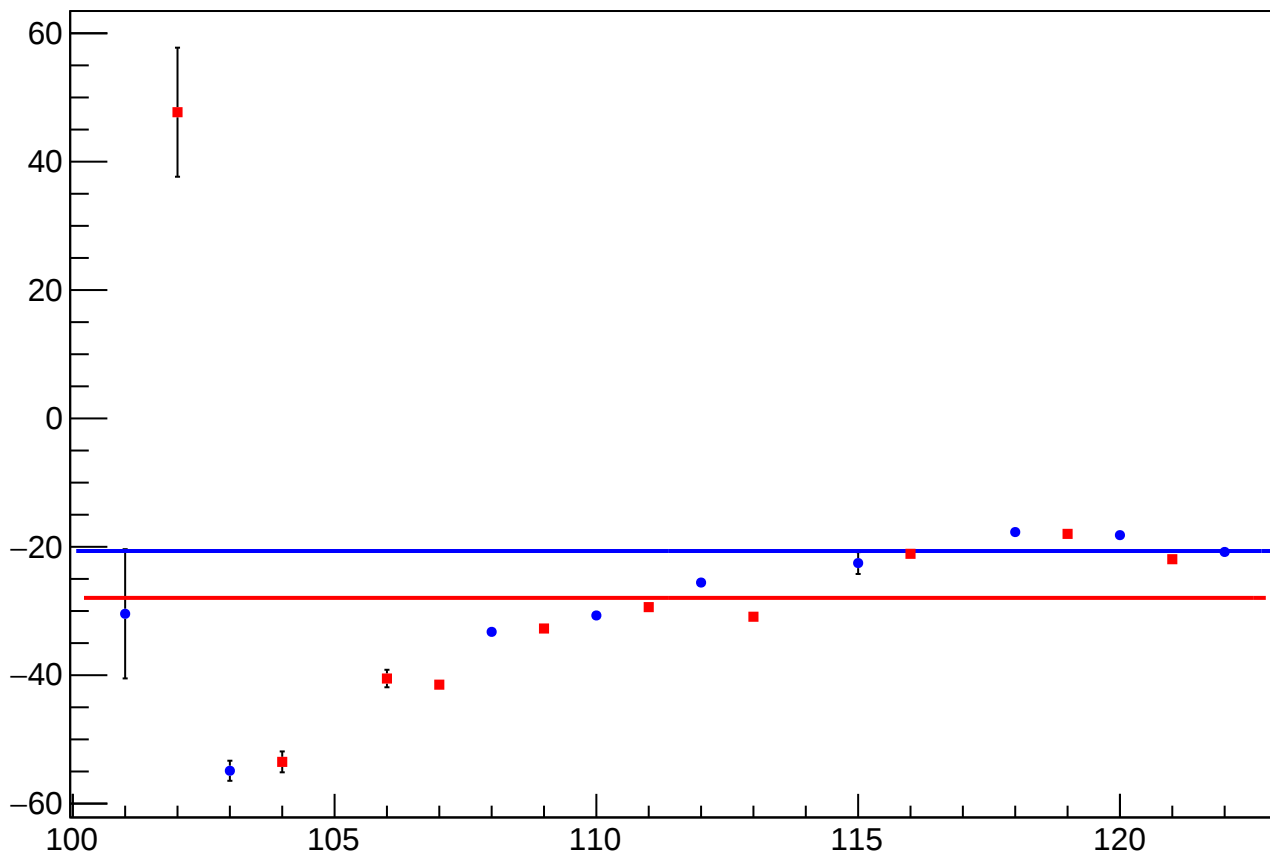
Right: 10.926+/-0.049  $\chi^2/\text{NDF}$ : 2750.3/18

In: 10.110+/-0.057  $\chi^2/\text{NDF}$ : 766.0/8

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

All: 10.926+/-0.049  $\chi^2/\text{NDF}$ : 2750.3/18

# dit\_atr1\_4eY\_slope vs Slug, Sign Corrected



Right In:  $-20.651 \pm 0.049$   $\chi^2/\text{NDF}$ : 6967.3/8

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

Right Out:  $-27.955 \pm 0.091$   $\chi^2/\text{NDF}$ : 3712.6/9

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

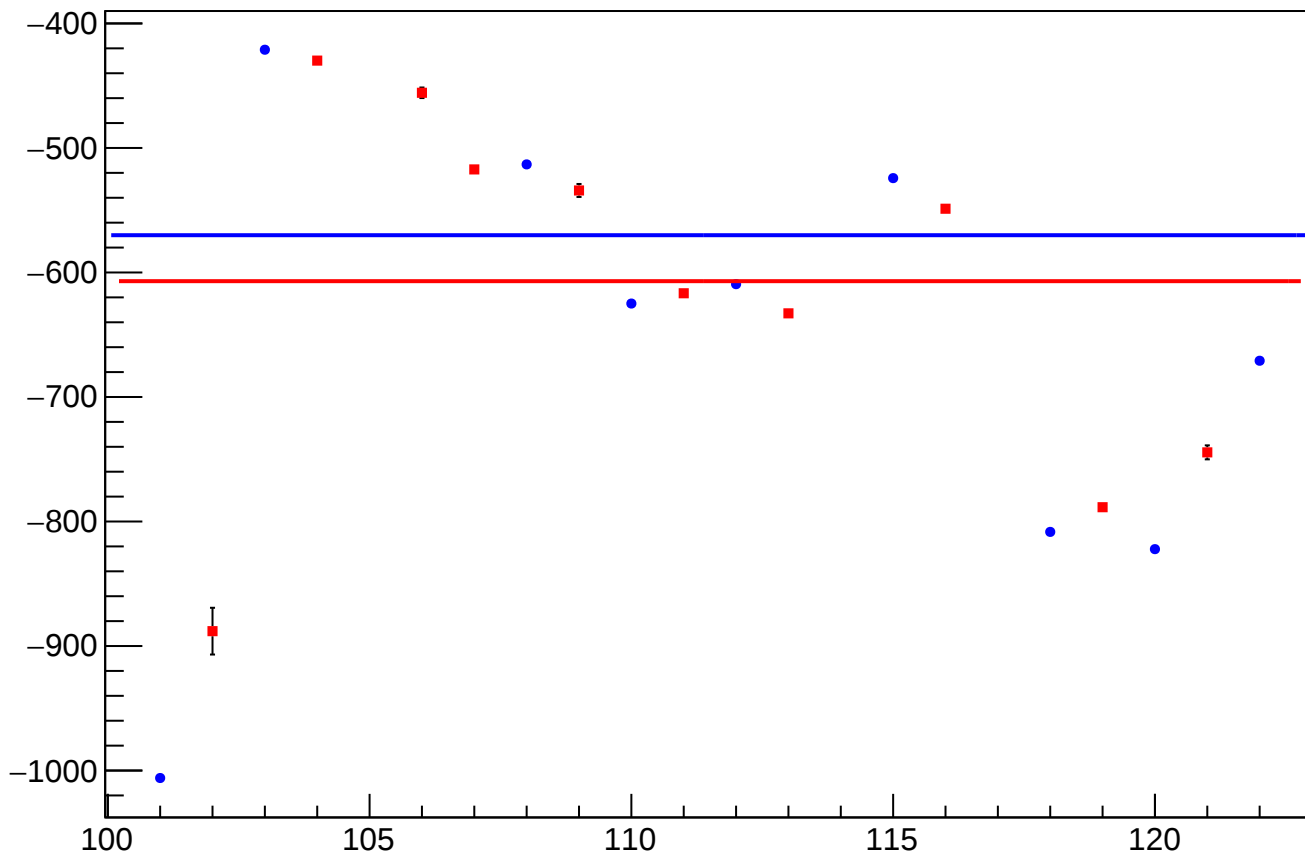
Right:  $-22.271 \pm 0.043$   $\chi^2/\text{NDF}$ : 15688.2/18

In:  $-20.651 \pm 0.049$   $\chi^2/\text{NDF}$ : 6967.3/8

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

All:  $-22.271 \pm 0.043$   $\chi^2/\text{NDF}$ : 15688.2/18

# dit\_atr2\_4aX\_slope vs Slug, Sign Corrected



Right In: -570.064+/-0.268  $\chi^2/\text{NDF}$ : 141004.4/8

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

Right Out: -606.981+/-0.306  $\chi^2/\text{NDF}$ : 80647.4/9

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

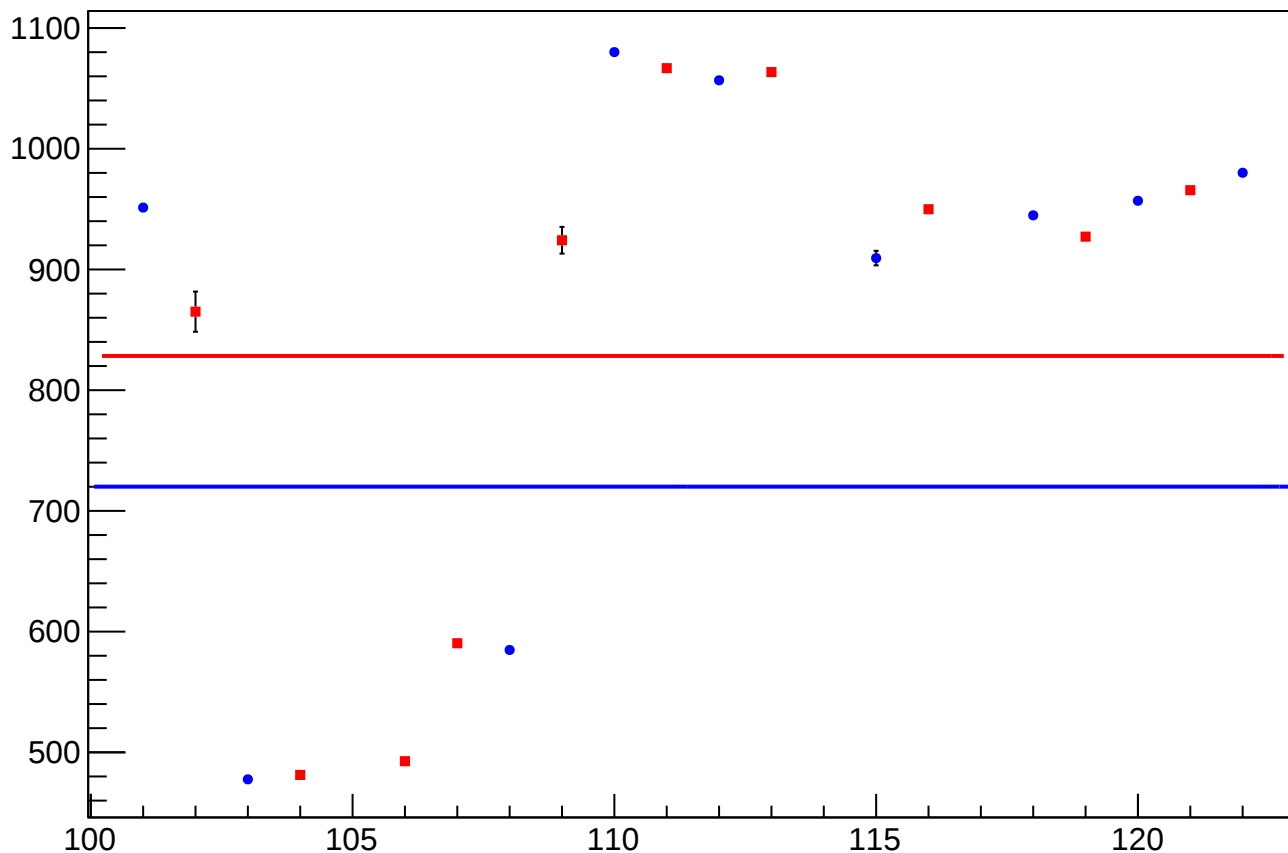
Right: -586.084+/-0.202  $\chi^2/\text{NDF}$ : 229889.5/18

In: -570.064+/-0.268  $\chi^2/\text{NDF}$ :141004.4/8

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

All: -586.084+/-0.202  $\chi^2/\text{NDF}$ : 229889.5/18

# dit\_atr2\_4eX\_slope vs Slug, Sign Corrected



Right In: 720.092 $\pm$ 0.261  $\chi^2$ /NDF: 583057.4/8

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

Right Out: 828.357 $\pm$ 0.299  $\chi^2$ /NDF: 673305.0/9

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

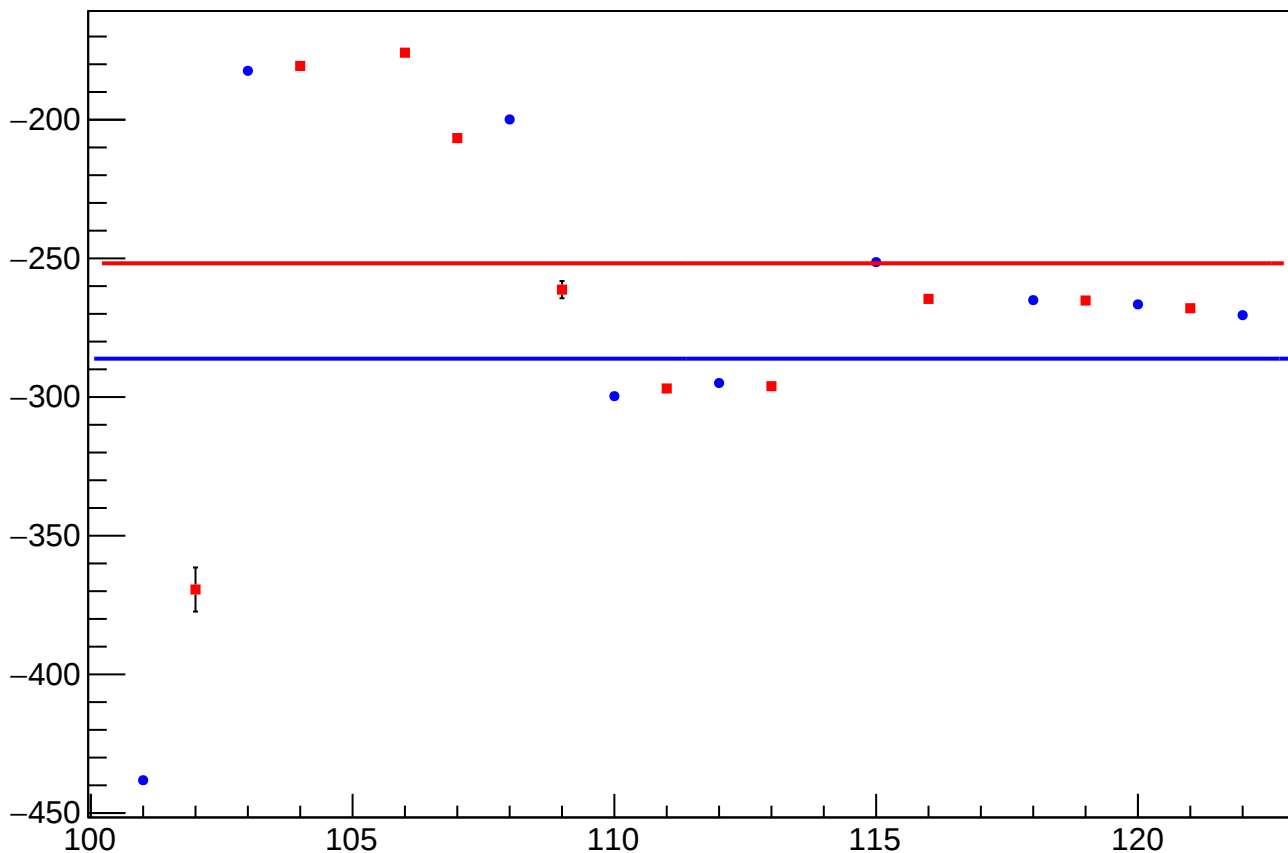
Right: 766.914 $\pm$ 0.197  $\chi^2$ /NDF: 1330712.8/18

In: 720.092 $\pm$ 0.261  $\chi^2$ /NDF:583057.4/8

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

All: 766.914 $\pm$ 0.197  $\chi^2$ /NDF: 1330712.8/18

# dit\_atr2\_11X12X\_slope vs Slug, Sign Corrected



Right In: -286.158+/-0.081  $\chi^2/\text{NDF}$ : 828536.5/8

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

Right Out: -251.763+/-0.090  $\chi^2/\text{NDF}$ : 267376.0/9

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

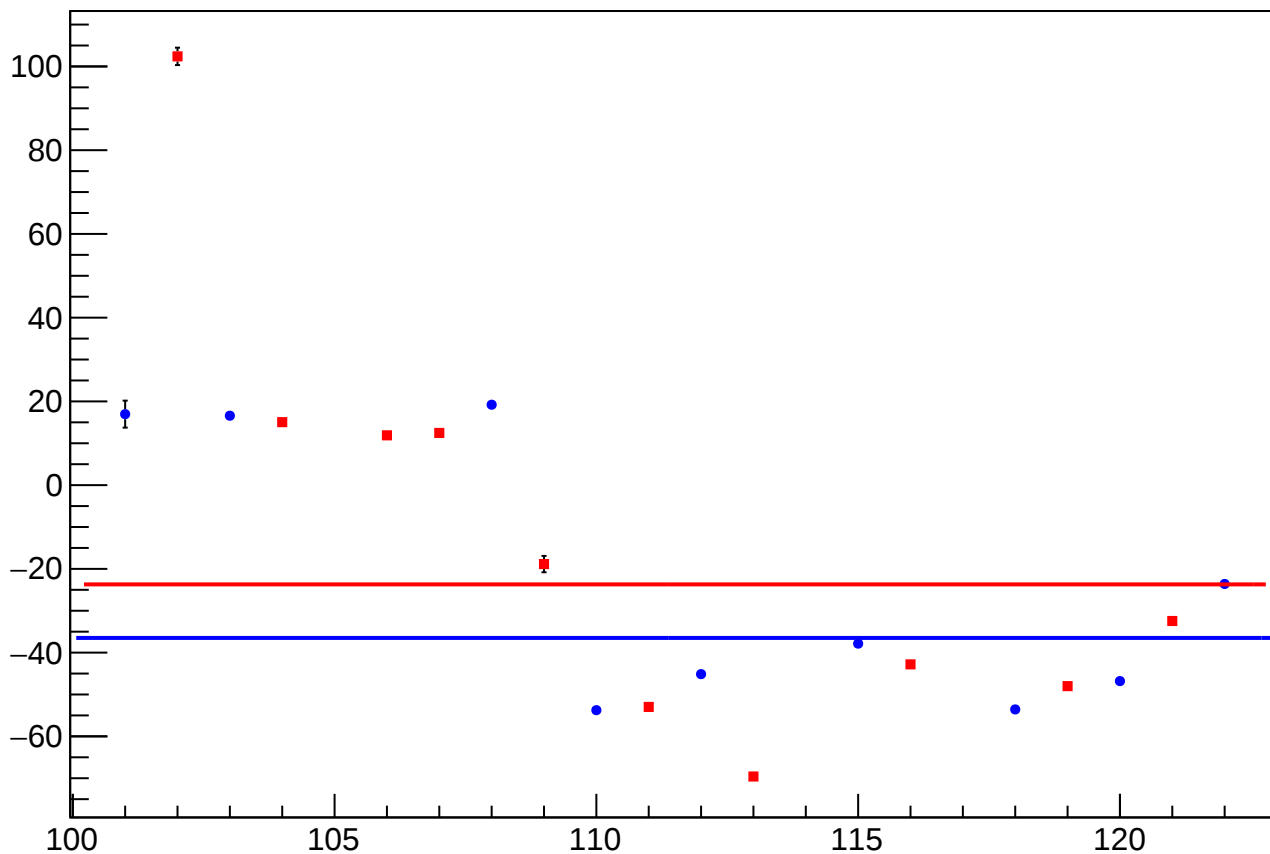
Right: -270.716+/-0.060  $\chi^2/\text{NDF}$ : 1177058.2/18

In: -286.158+/-0.081  $\chi^2/\text{NDF}$ : 828536.5/8

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

All: -270.716+/-0.060  $\chi^2/\text{NDF}$ : 1177058.2/18

# dit\_atr2\_4aY\_slope vs Slug, Sign Corrected



Right In: -36.490+/-0.149  $\chi^2/\text{NDF}$ : 20835.9/8

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

Right Out: -23.707+/-0.174  $\chi^2/\text{NDF}$ : 32860.5/9

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

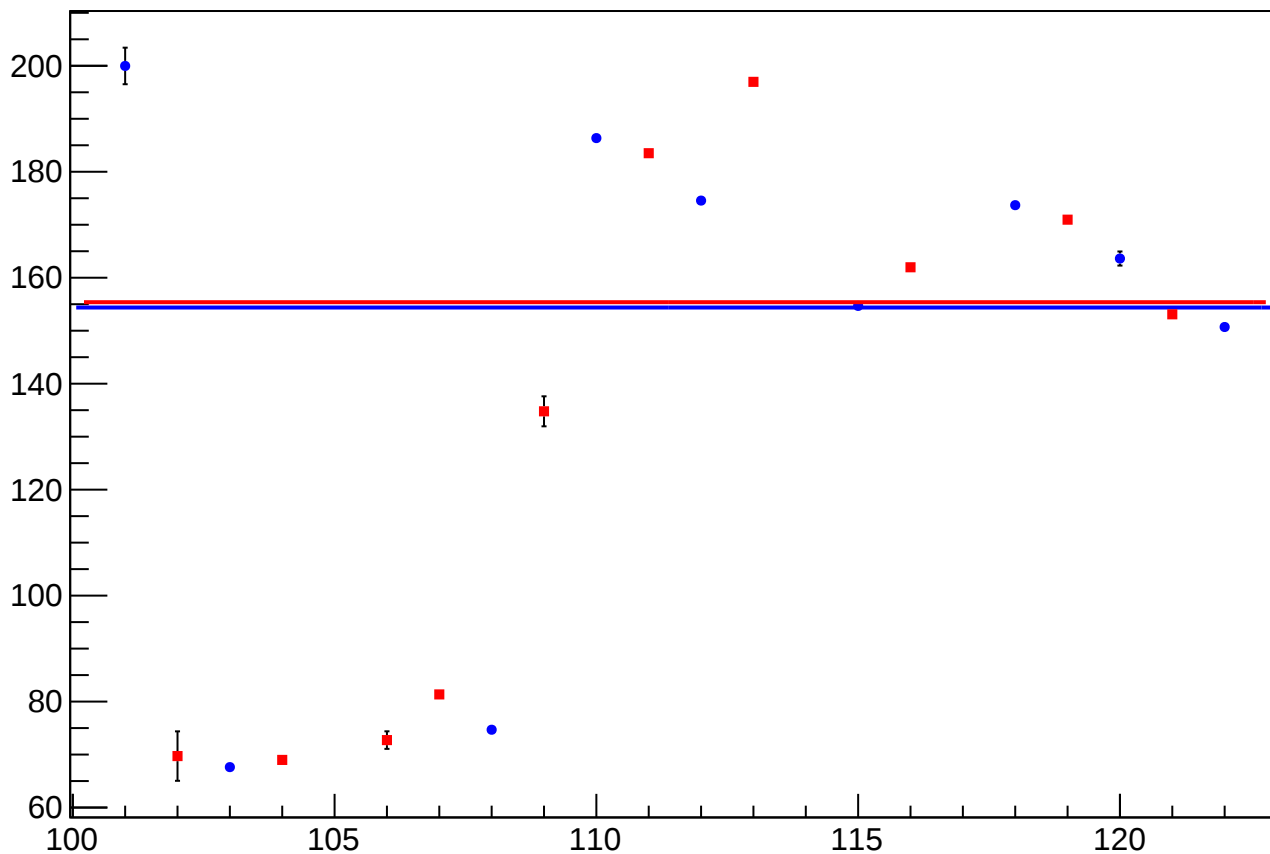
Right: -31.083+/-0.113  $\chi^2/\text{NDF}$ : 56811.3/18

In: -36.490+/-0.149  $\chi^2/\text{NDF}$ : 20835.9/8

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

All: -31.083+/-0.113  $\chi^2/\text{NDF}$ : 56811.3/18

# dit\_atr2\_4eY\_slope vs Slug, Sign Corrected



Right In: 154.376+/-0.163  $\chi^2/\text{NDF}$ : 39555.1/8

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

Right Out: 155.381+/-0.155  $\chi^2/\text{NDF}$ : 53471.1/9

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

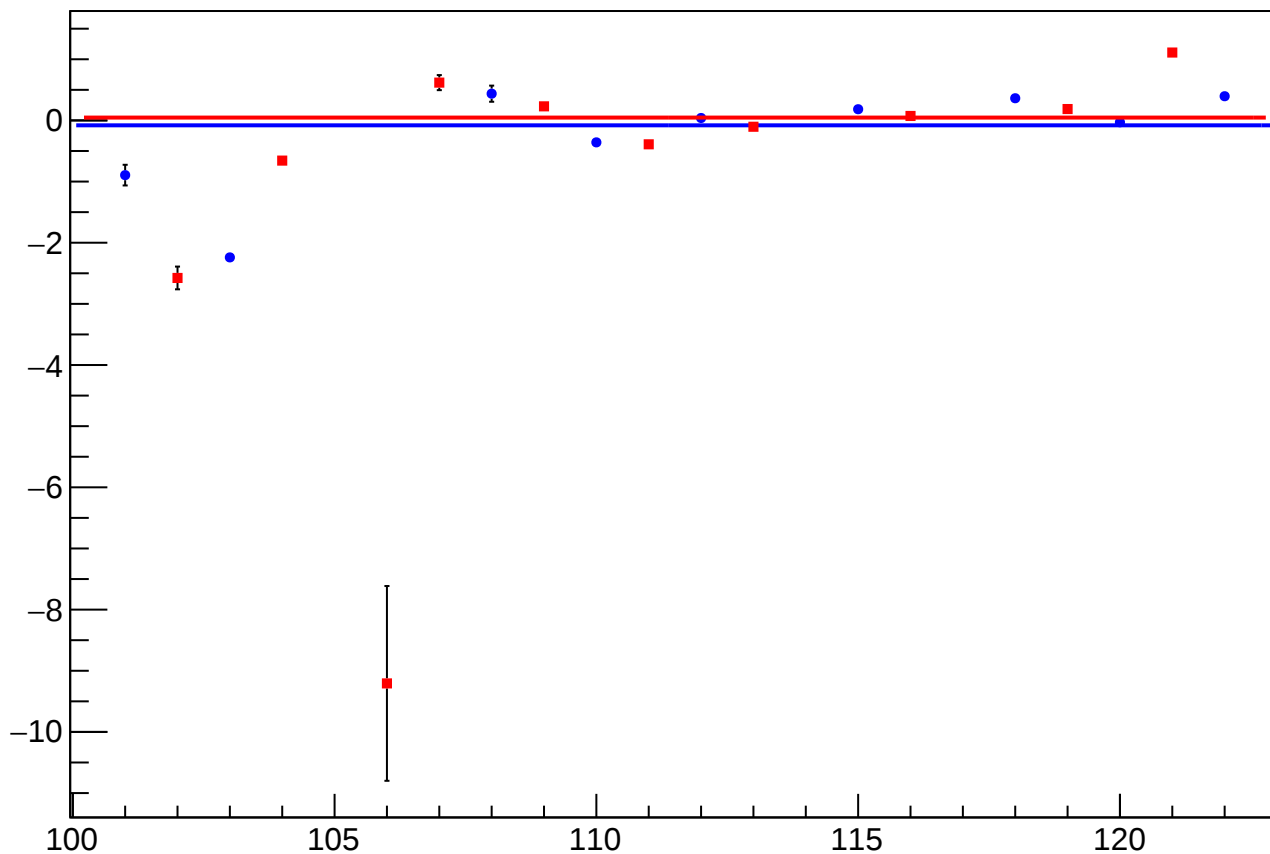
Right: 154.902+/-0.113  $\chi^2/\text{NDF}$ : 93046.1/18

In: 154.376+/-0.163  $\chi^2/\text{NDF}$ : 39555.1/8

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

All: 154.902+/-0.113  $\chi^2/\text{NDF}$ : 93046.1/18

# dit\_sam1\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.080 \pm 0.016$   $\chi^2/\text{NDF}: 1511.5/8$

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

Right Out:  $0.046 \pm 0.008$   $\chi^2/\text{NDF}: 683.1/9$

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

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

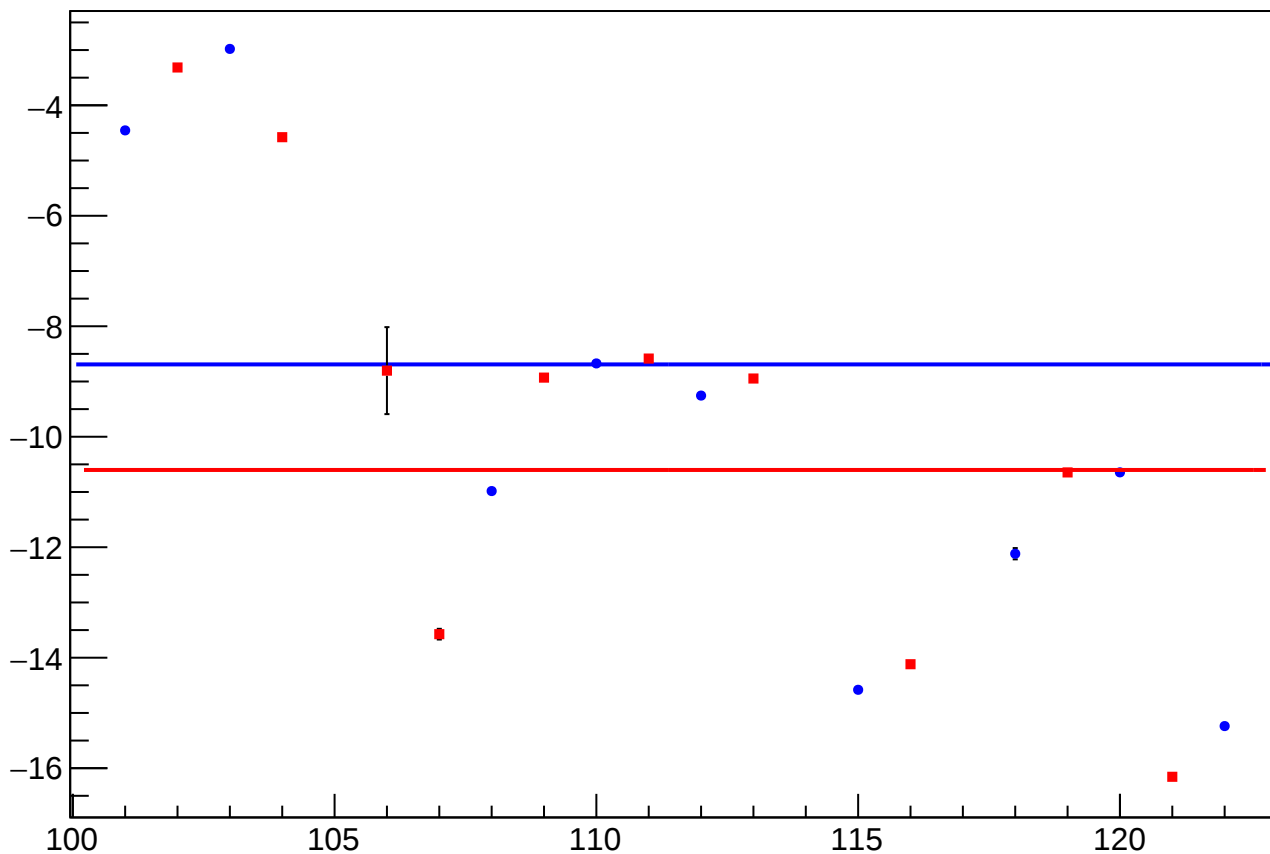
Right:  $0.020 \pm 0.007$   $\chi^2/\text{NDF}: 2245.4/18$

In:  $-0.080 \pm 0.016$   $\chi^2/\text{NDF}: 1511.5/8$

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

All:  $0.020 \pm 0.007$   $\chi^2/\text{NDF}: 2245.4/18$

# dit\_sam1\_4eX\_slope vs Slug, Sign Corrected



Right In: -8.691+/-0.013  $\chi^2/\text{NDF}$ : 149425.2/8

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

Right Out: -10.601+/-0.014  $\chi^2/\text{NDF}$ : 84848.1/9

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

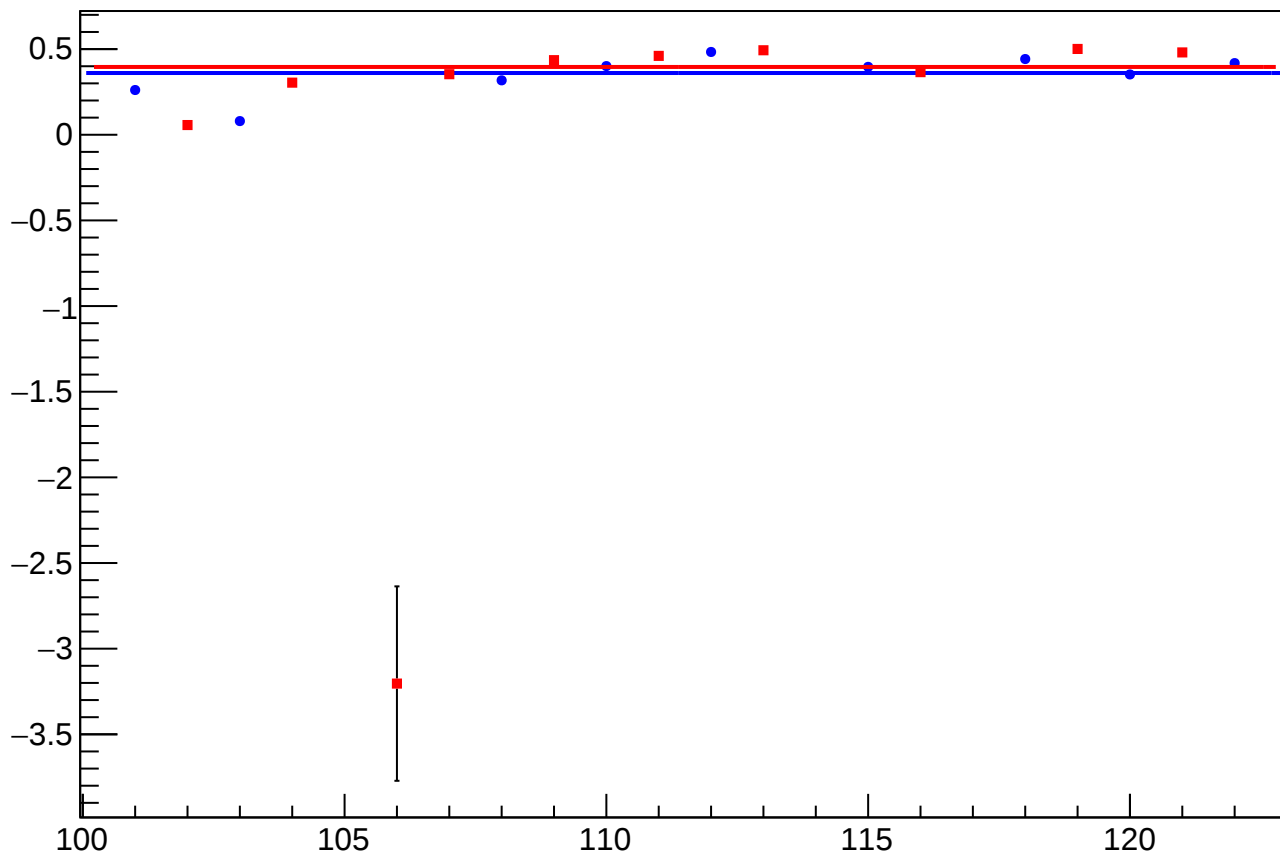
Right: -9.553+/-0.009  $\chi^2/\text{NDF}$ : 244484.7/18

In: -8.691+/-0.013  $\chi^2/\text{NDF}$ : 149425.2/8

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

All: -9.553+/-0.009  $\chi^2/\text{NDF}$ : 244484.7/18

dit\_sam1\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.360+/-0.003  $\chi^2/\text{NDF}$ : 1358.4/8

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

Right Out: 0.396+/-0.002  $\chi^2/\text{NDF}$ : 1008.4/9

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

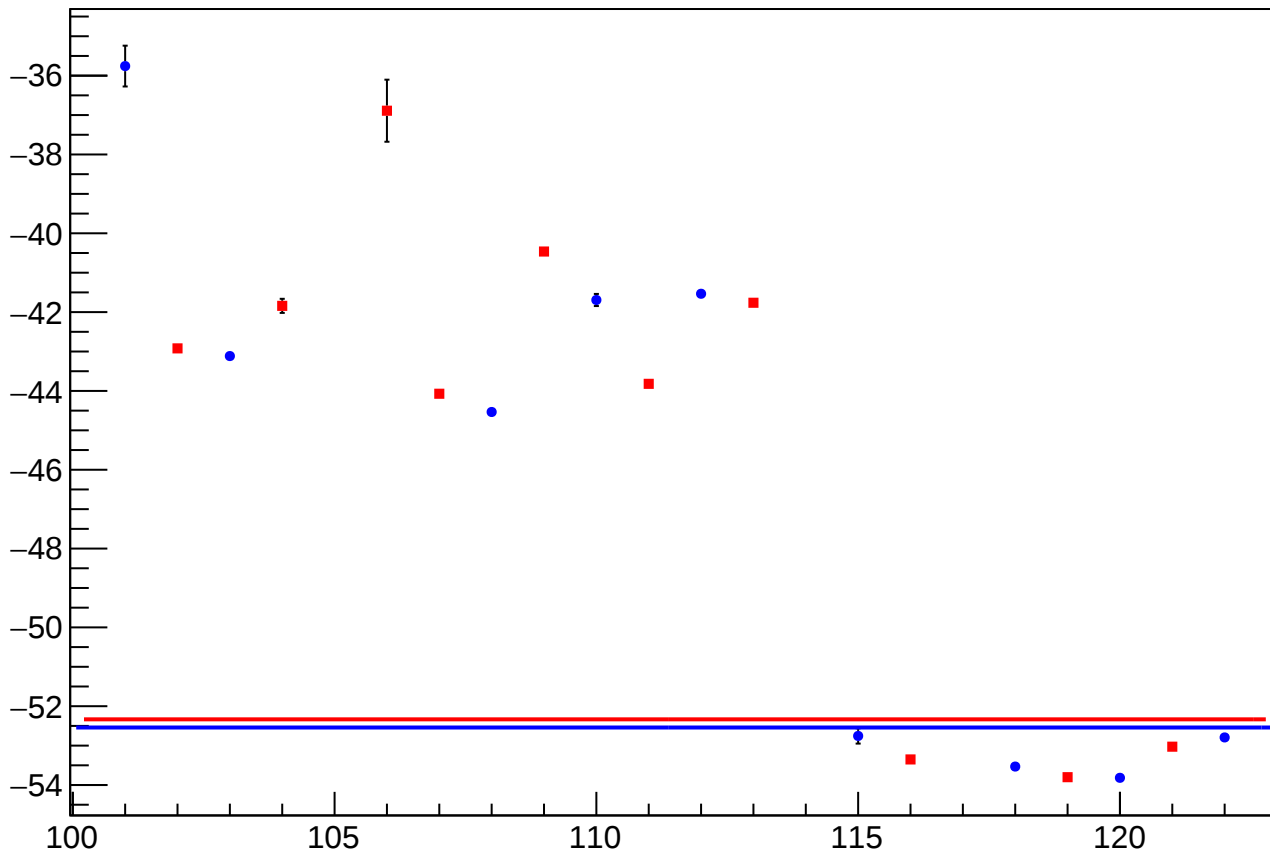
Right: 0.385+/-0.002  $\chi^2/\text{NDF}$ : 2447.9/18

In: 0.360+/-0.003  $\chi^2/\text{NDF}$ : 1358.4/8

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

All: 0.385+/-0.002  $\chi^2/\text{NDF}$ : 2447.9/18

# dit\_sam1\_4aY\_slope vs Slug, Sign Corrected



Right In: -52.541+/-0.012  $\chi^2/\text{NDF}$ : 48175.6/8

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

Right Out: -52.333+/-0.012  $\chi^2/\text{NDF}$ : 73325.4/9

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

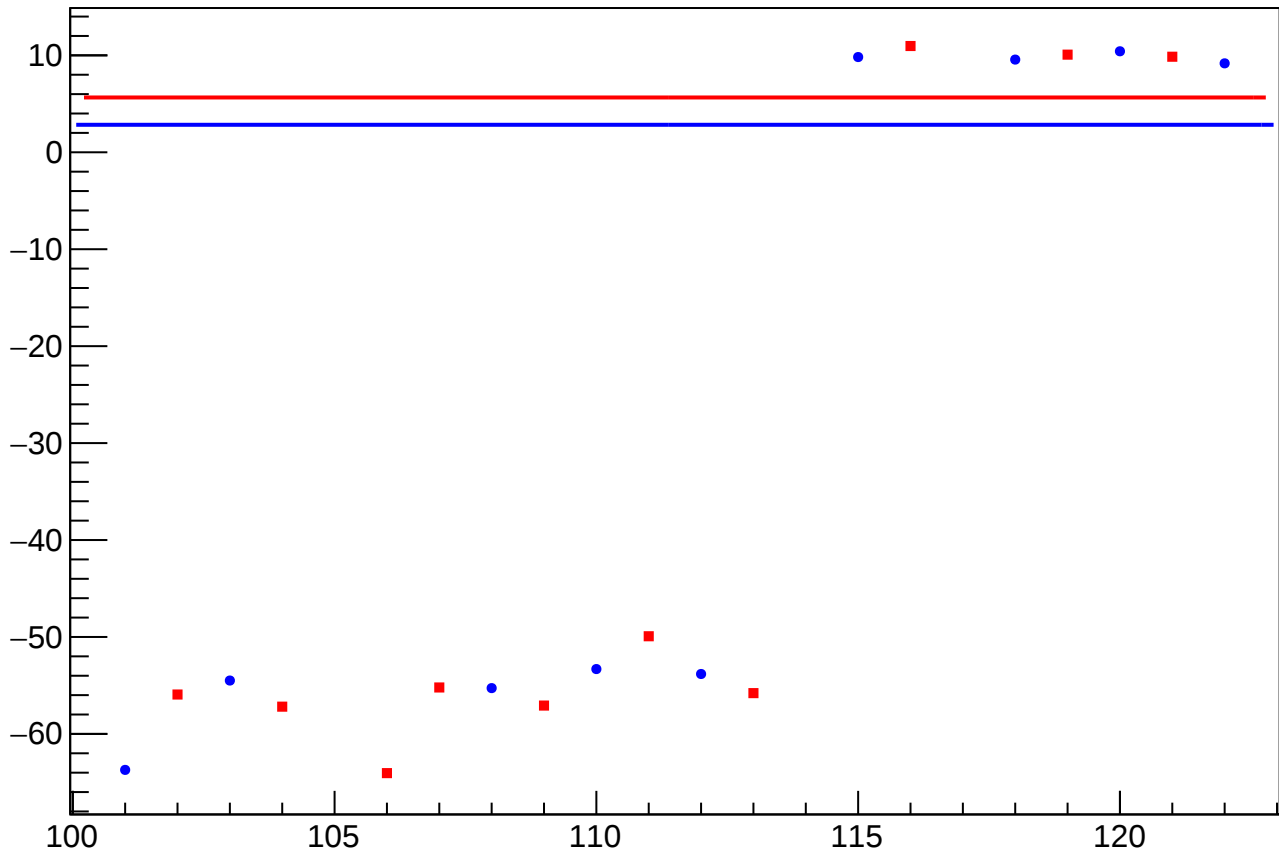
Right: -52.437+/-0.009  $\chi^2/\text{NDF}$ : 121646.0/18

In: -52.541+/-0.012  $\chi^2/\text{NDF}$ : 48175.6/8

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

All: -52.437+/-0.009  $\chi^2/\text{NDF}$ : 121646.0/18

# dit\_sam1\_4eY\_slope vs Slug, Sign Corrected



Right In: 2.836+/-0.020  $\chi^2/\text{NDF}$ : 943317.6/8

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

Right Out: 5.654+/-0.015  $\chi^2/\text{NDF}$ : 1168910.9/9

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

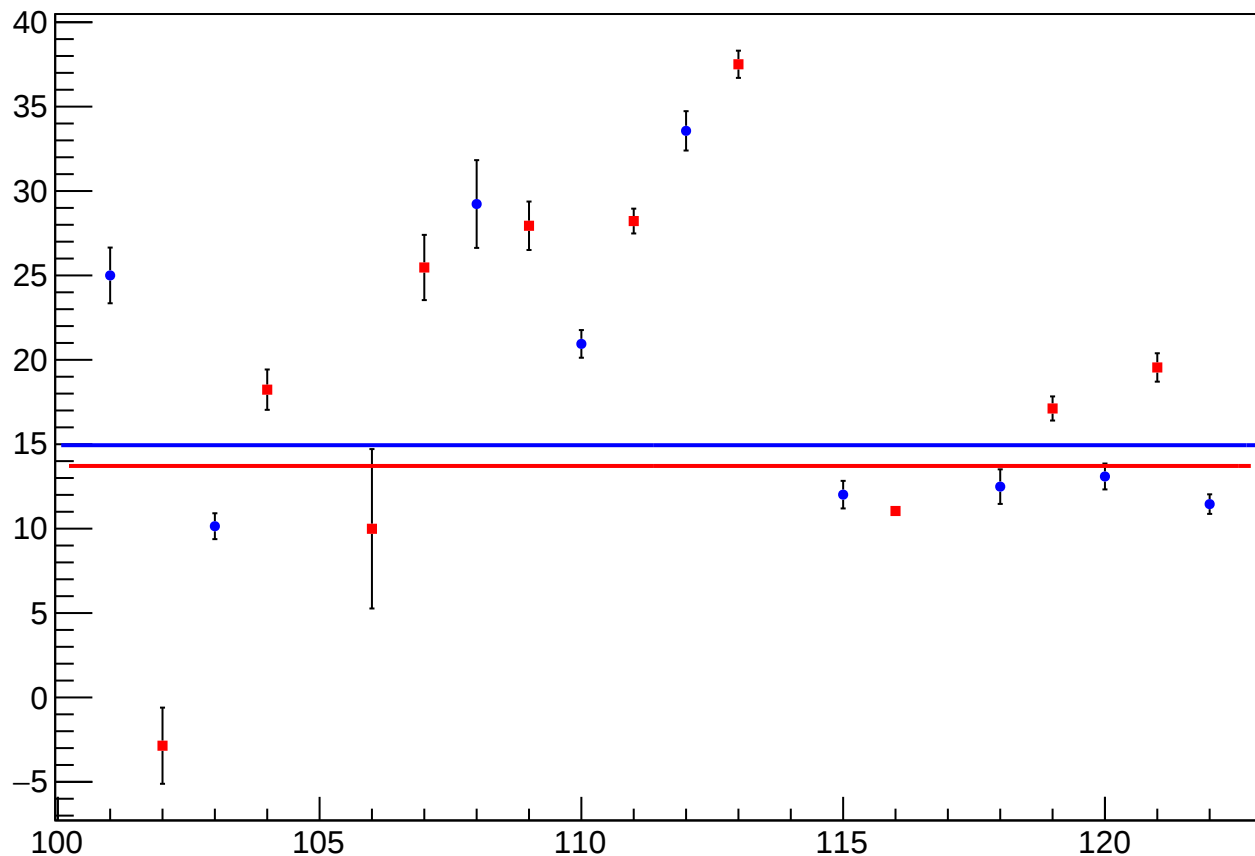
Right: 4.644+/-0.012  $\chi^2/\text{NDF}$ : 2124481.5/18

In: 2.836+/-0.020  $\chi^2/\text{NDF}$ :943317.6/8

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

All: 4.644+/-0.012  $\chi^2/\text{NDF}$ : 2124481.5/18

# dit\_sam2\_4aX\_slope vs Slug, Sign Corrected



Right In: 14.943+/-0.294  $\chi^2/\text{NDF}$ : 476.0/8

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

Right Out: 13.714+/-0.155  $\chi^2/\text{NDF}$ : 1771.0/9

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

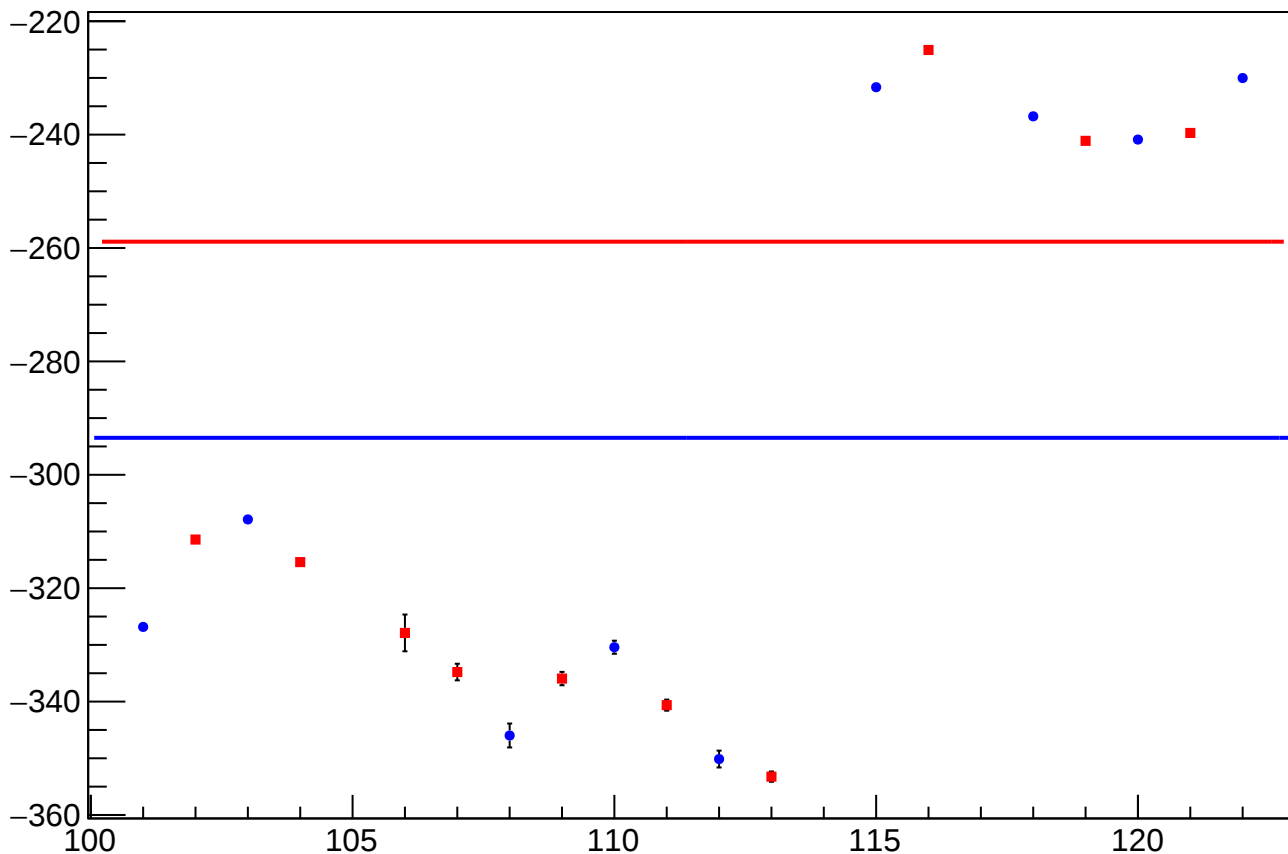
Right: 13.982+/-0.137  $\chi^2/\text{NDF}$ : 2260.7/18

In: 14.943+/-0.294  $\chi^2/\text{NDF}$ : 476.0/8

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

All: 13.982+/-0.137  $\chi^2/\text{NDF}$ : 2260.7/18

# dit\_sam2\_4eX\_slope vs Slug, Sign Corrected



Right In: -293.477+/-0.177  $\chi^2/\text{NDF}$ : 46281.1/8

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

Right Out: -258.883+/-0.172  $\chi^2/\text{NDF}$ : 69490.6/9

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

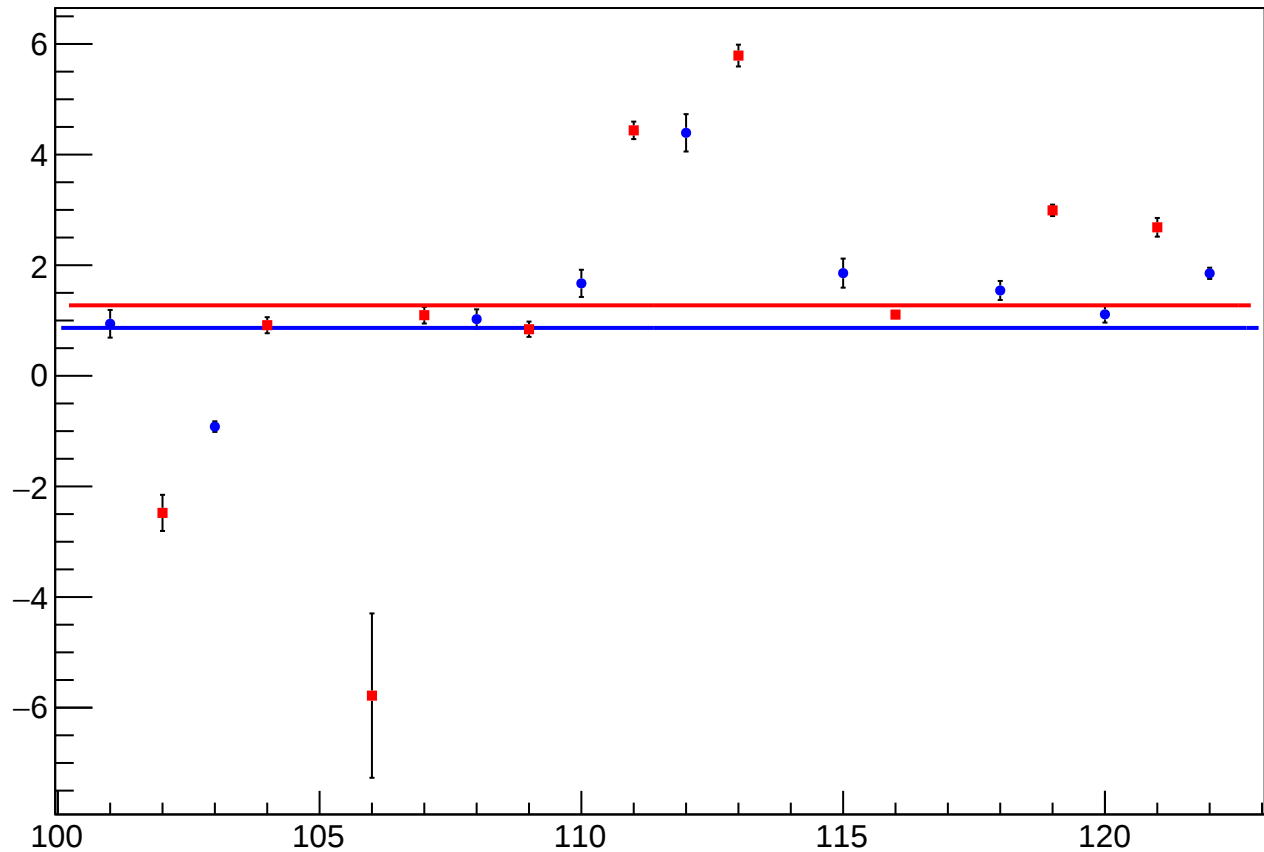
Right: -275.703+/-0.124  $\chi^2/\text{NDF}$ : 135350.4/18

In: -293.477+/-0.177  $\chi^2/\text{NDF}$ : 46281.1/8

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

All: -275.703+/-0.124  $\chi^2/\text{NDF}$ : 135350.4/18

# dit\_sam2\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.866+/-0.052  $\chi^2/\text{NDF}$ : 594.1/8

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

Right Out: 1.274+/-0.020  $\chi^2/\text{NDF}$ : 1506.6/9

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

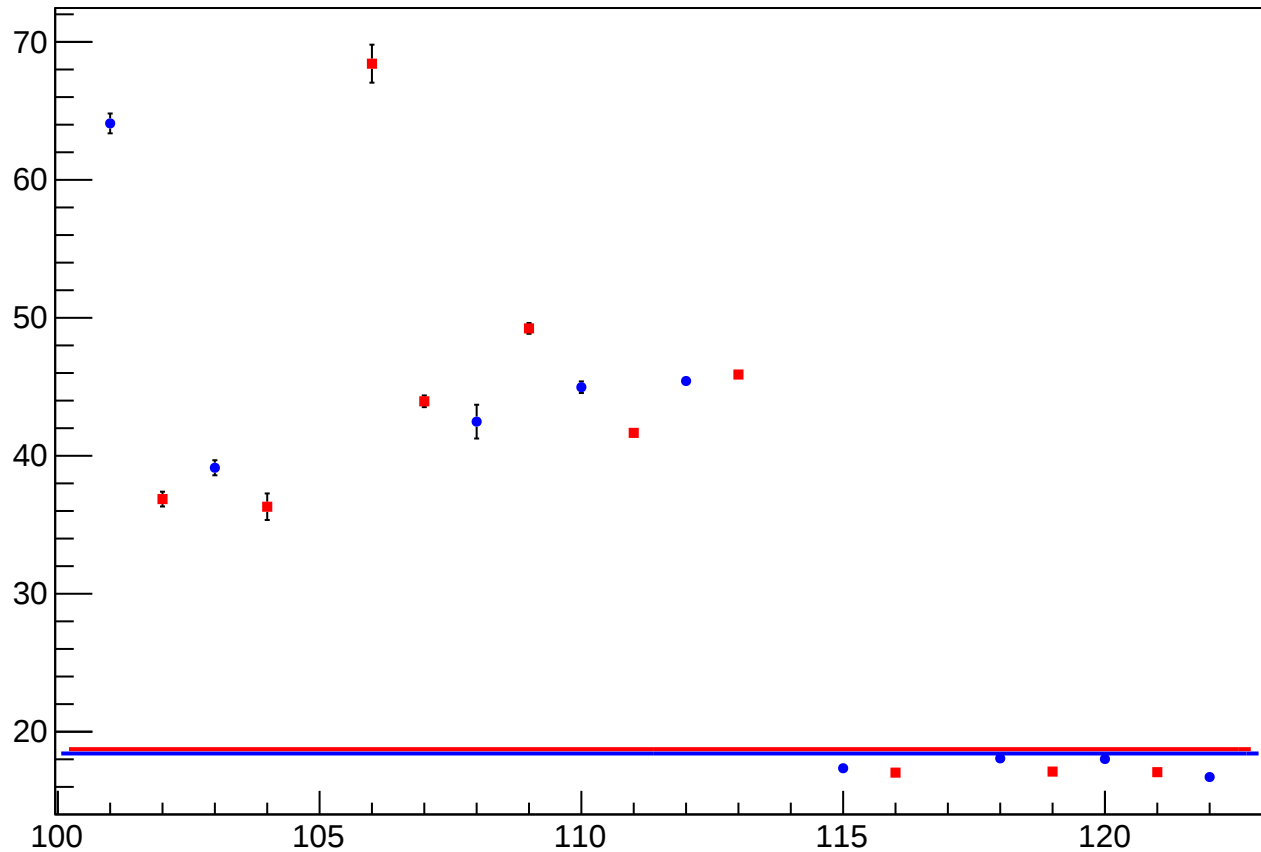
Right: 1.222+/-0.019  $\chi^2/\text{NDF}$ : 2154.7/18

In: 0.866+/-0.052  $\chi^2/\text{NDF}$ : 594.1/8

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

All: 1.222+/-0.019  $\chi^2/\text{NDF}$ : 2154.7/18

# dit\_sam2\_4aY\_slope vs Slug, Sign Corrected



Right In: 18.423+/-0.031  $\chi^2/\text{NDF}$ : 24540.2/8

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

Right Out: 18.736+/-0.027  $\chi^2/\text{NDF}$ : 56582.2/9

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

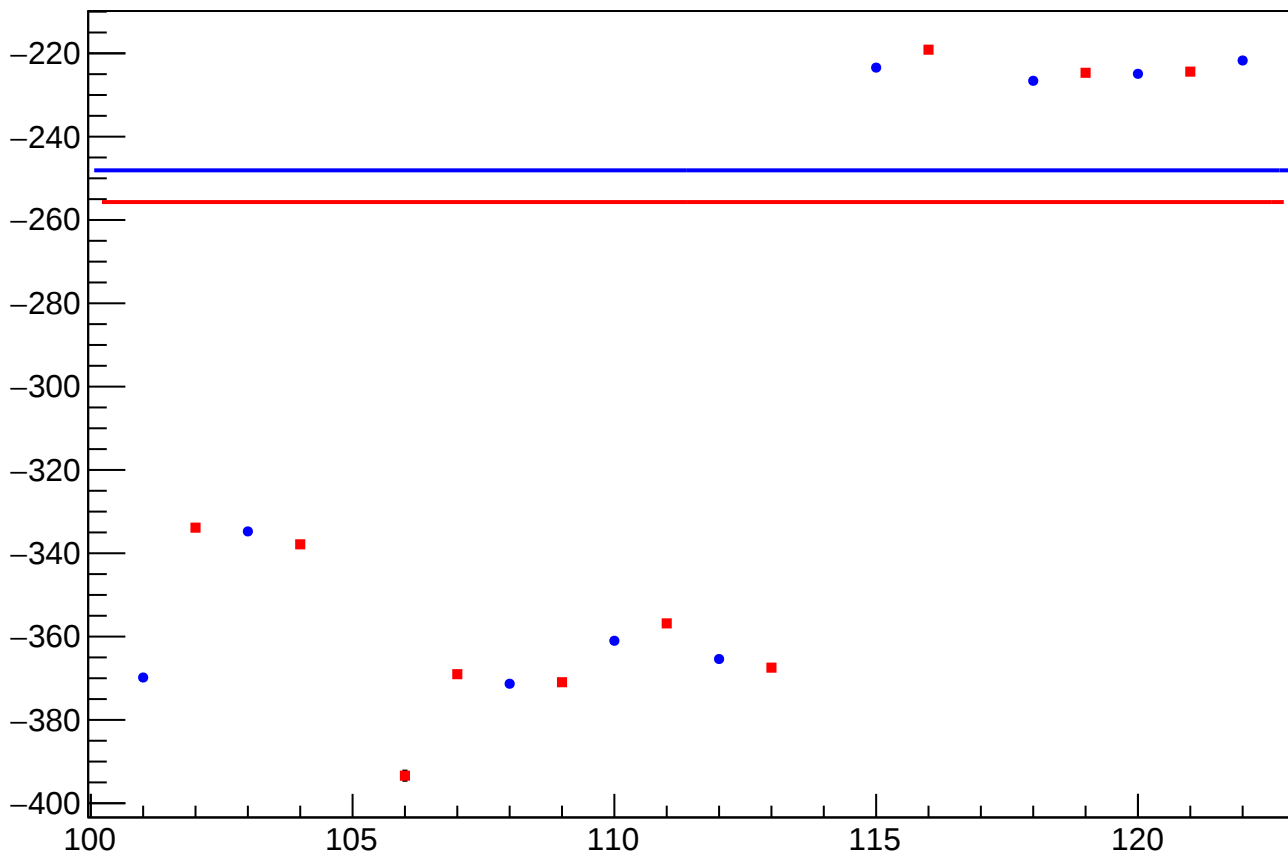
Right: 18.598+/-0.021  $\chi^2/\text{NDF}$ : 81179.8/18

In: 18.423+/-0.031  $\chi^2/\text{NDF}$ :24540.2/8

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

All: 18.598+/-0.021  $\chi^2/\text{NDF}$ : 81179.8/18

# dit\_sam2\_4eY\_slope vs Slug, Sign Corrected



Right In: -248.087+/-0.069  $\chi^2/\text{NDF}$ : 549619.4/8

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

Right Out: -255.699+/-0.073  $\chi^2/\text{NDF}$ : 637498.9/9

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

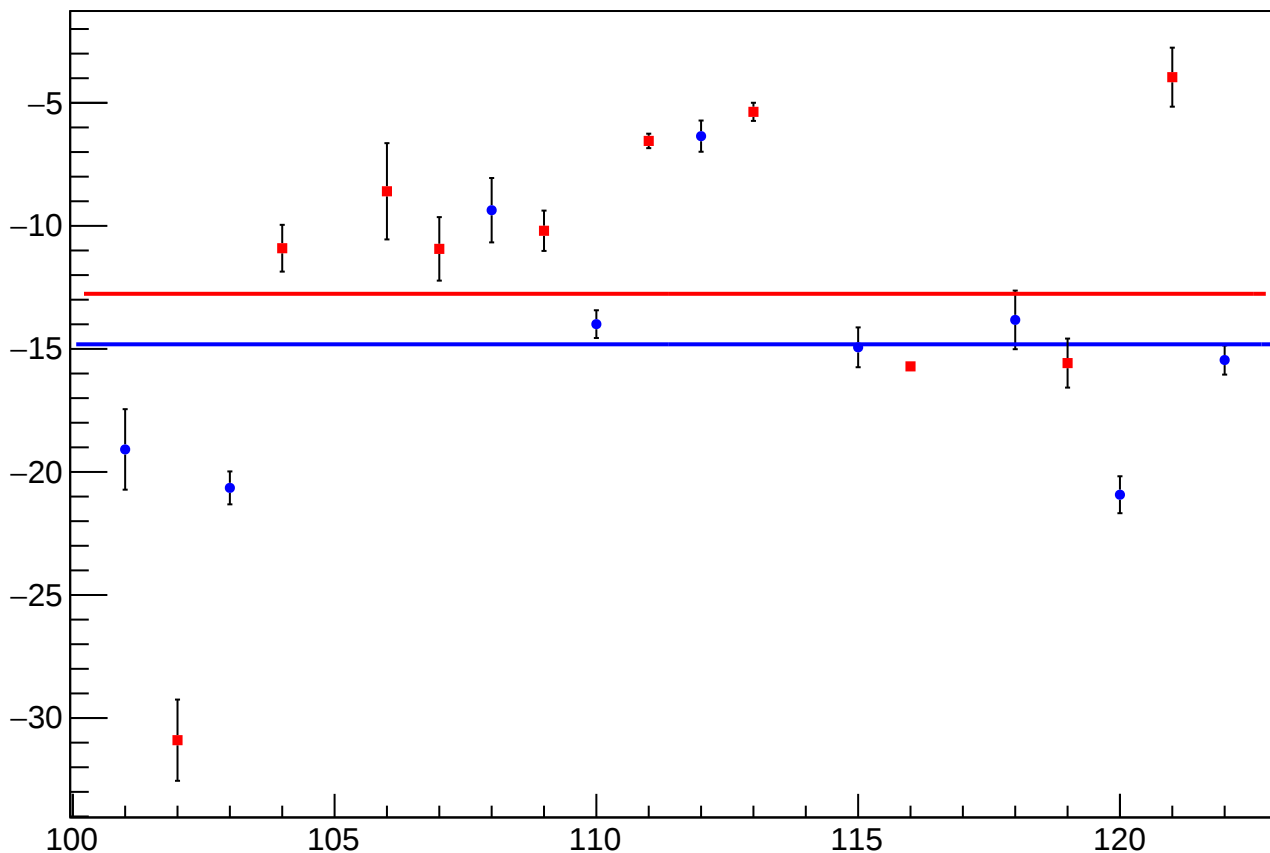
Right: -251.644+/-0.050  $\chi^2/\text{NDF}$ : 1192856.8/18

In: -248.087+/-0.069  $\chi^2/\text{NDF}$ :549619.4/8

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

All: -251.644+/-0.050  $\chi^2/\text{NDF}$ : 1192856.8/18

# dit\_sam3\_4aX\_slope vs Slug, Sign Corrected



Right In:  $-14.813 \pm 0.253$   $\chi^2/\text{NDF}$ : 348.4/8

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

Right Out:  $-12.760 \pm 0.120$   $\chi^2/\text{NDF}$ : 1438.5/9

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

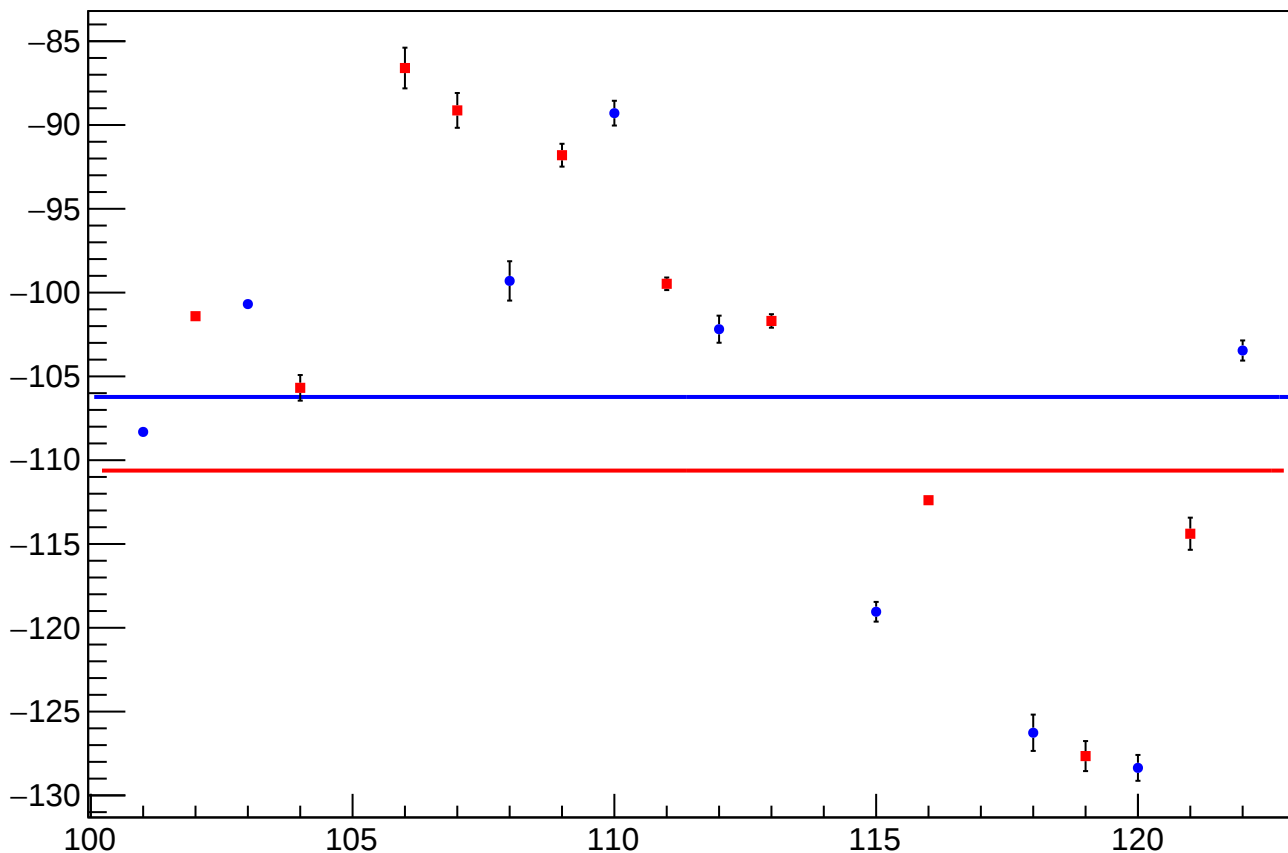
Right:  $-13.141 \pm 0.109$   $\chi^2/\text{NDF}$ : 1840.7/18

In:  $-14.813 \pm 0.253$   $\chi^2/\text{NDF}$ : 348.4/8

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

All:  $-13.141 \pm 0.109$   $\chi^2/\text{NDF}$ : 1840.7/18

# dit\_sam3\_4eX\_slope vs Slug, Sign Corrected



Right In:  $-106.227 \pm 0.119$   $\chi^2/\text{NDF}$ : 3058.1/8

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

Right Out:  $-110.620 \pm 0.051$   $\chi^2/\text{NDF}$ : 7854.9/9

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

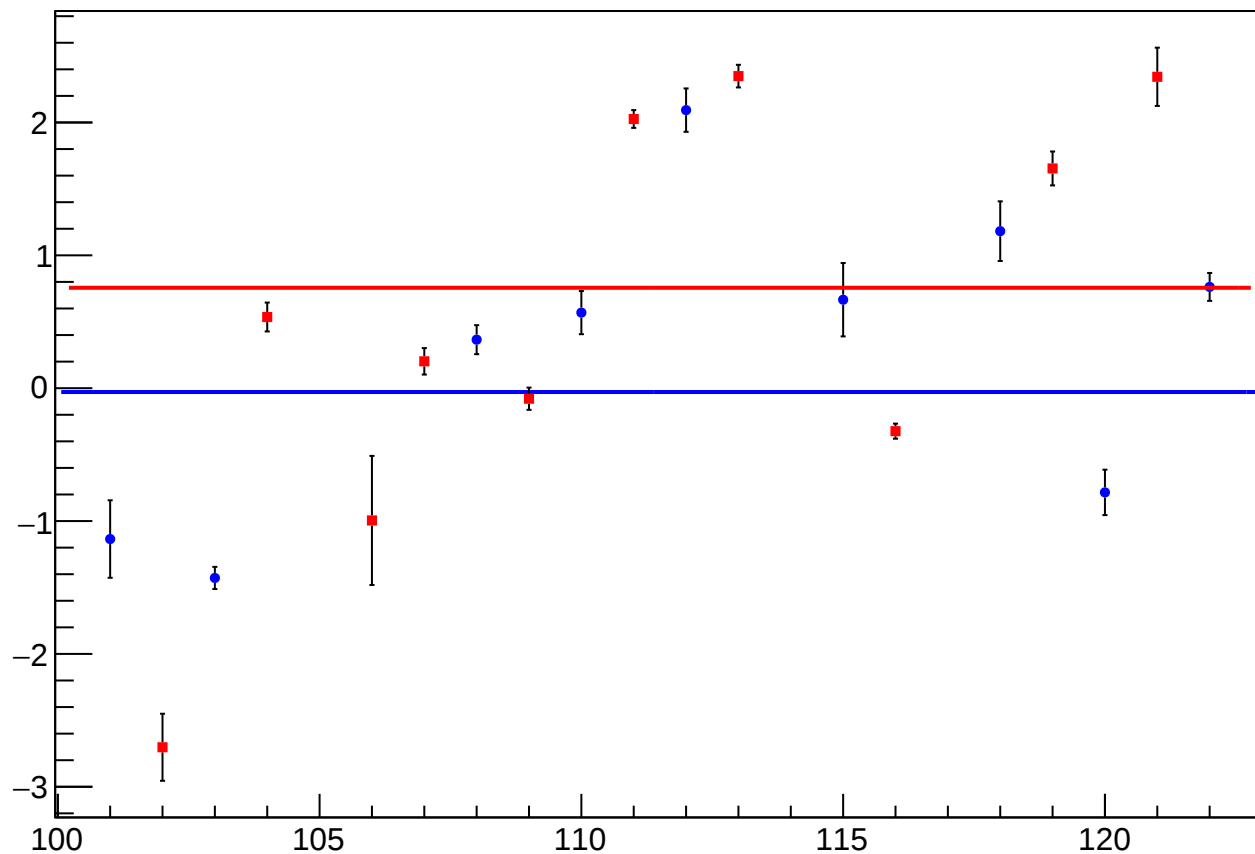
Right:  $-109.943 \pm 0.047$   $\chi^2/\text{NDF}$ : 12057.6/18

In:  $-106.227 \pm 0.119$   $\chi^2/\text{NDF}$ : 3058.1/8

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

All:  $-109.943 \pm 0.047$   $\chi^2/\text{NDF}$ : 12057.6/18

# dit\_sam3\_11X12X\_slope vs Slug, Sign Corrected



Right In:  $-0.029 \pm 0.046$   $\chi^2/\text{NDF}$ : 602.9/8

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

Right Out:  $0.756 \pm 0.030$   $\chi^2/\text{NDF}$ : 1510.5/9

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

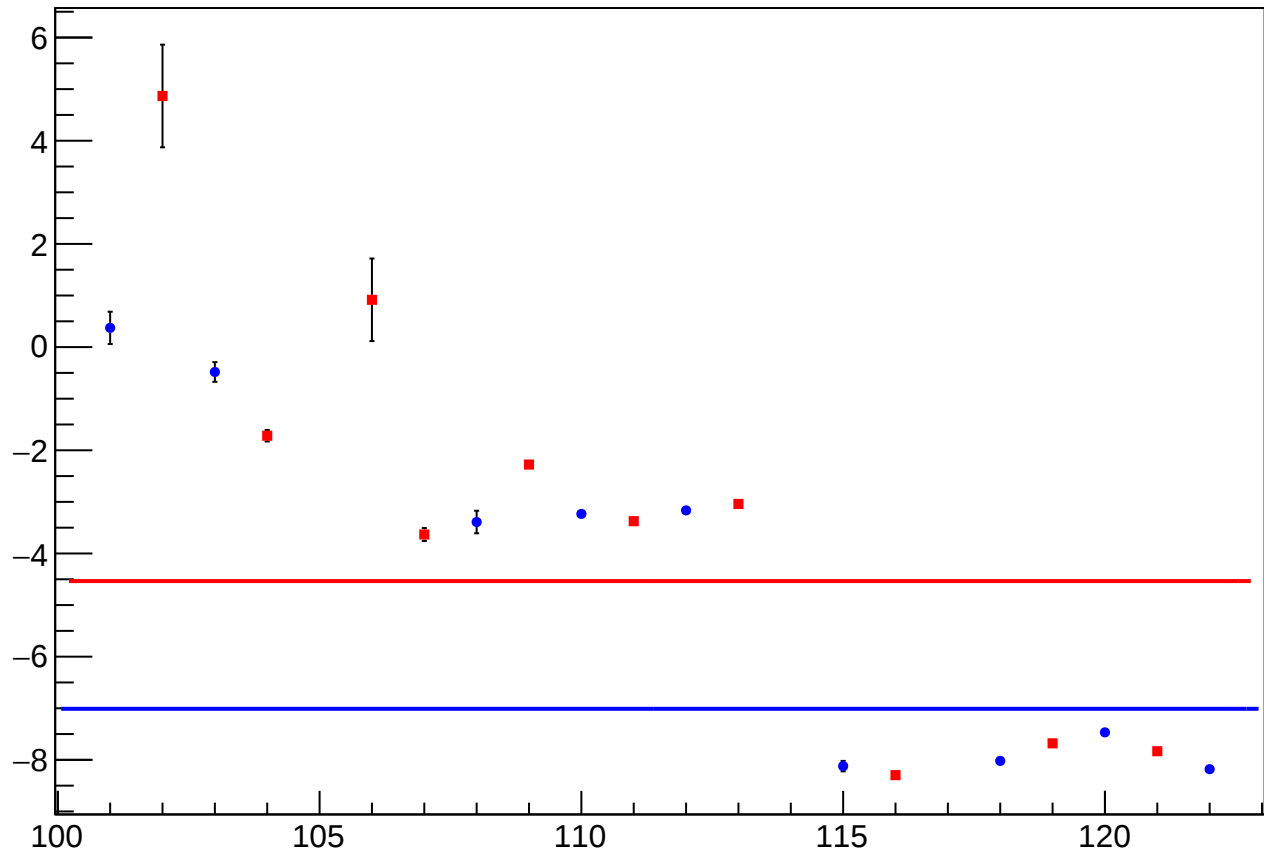
Right:  $0.521 \pm 0.025$   $\chi^2/\text{NDF}$ : 2317.1/18

In:  $-0.029 \pm 0.046$   $\chi^2/\text{NDF}$ : 602.9/8

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

All:  $0.521 \pm 0.025$   $\chi^2/\text{NDF}$ : 2317.1/18

# dit\_sam3\_4aY\_slope vs Slug, Sign Corrected



Right In:  $-7.010 \pm 0.012$   $\chi^2/\text{NDF}$ : 27264.7/8

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

Right Out:  $-4.535 \pm 0.012$   $\chi^2/\text{NDF}$ : 39619.7/9

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

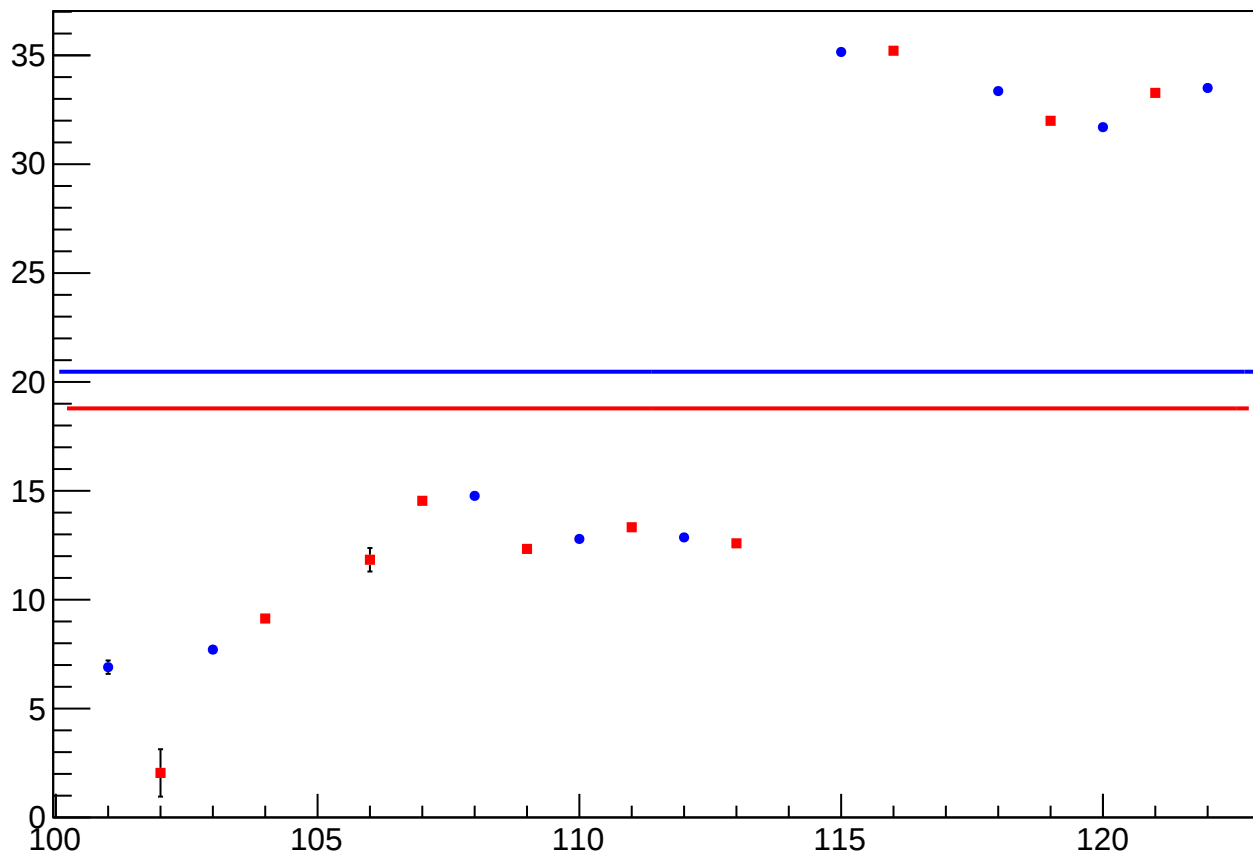
Right:  $-5.743 \pm 0.009$   $\chi^2/\text{NDF}$ : 87964.7/18

In:  $-7.010 \pm 0.012$   $\chi^2/\text{NDF}$ : 27264.7/8

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

All:  $-5.743 \pm 0.009$   $\chi^2/\text{NDF}$ : 87964.7/18

# dit\_sam3\_4eY\_slope vs Slug, Sign Corrected



Right In: 20.470+/-0.024  $\chi^2/\text{NDF}$ : 174737.9/8

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

Right Out: 18.786+/-0.017  $\chi^2/\text{NDF}$ : 308439.4/9

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

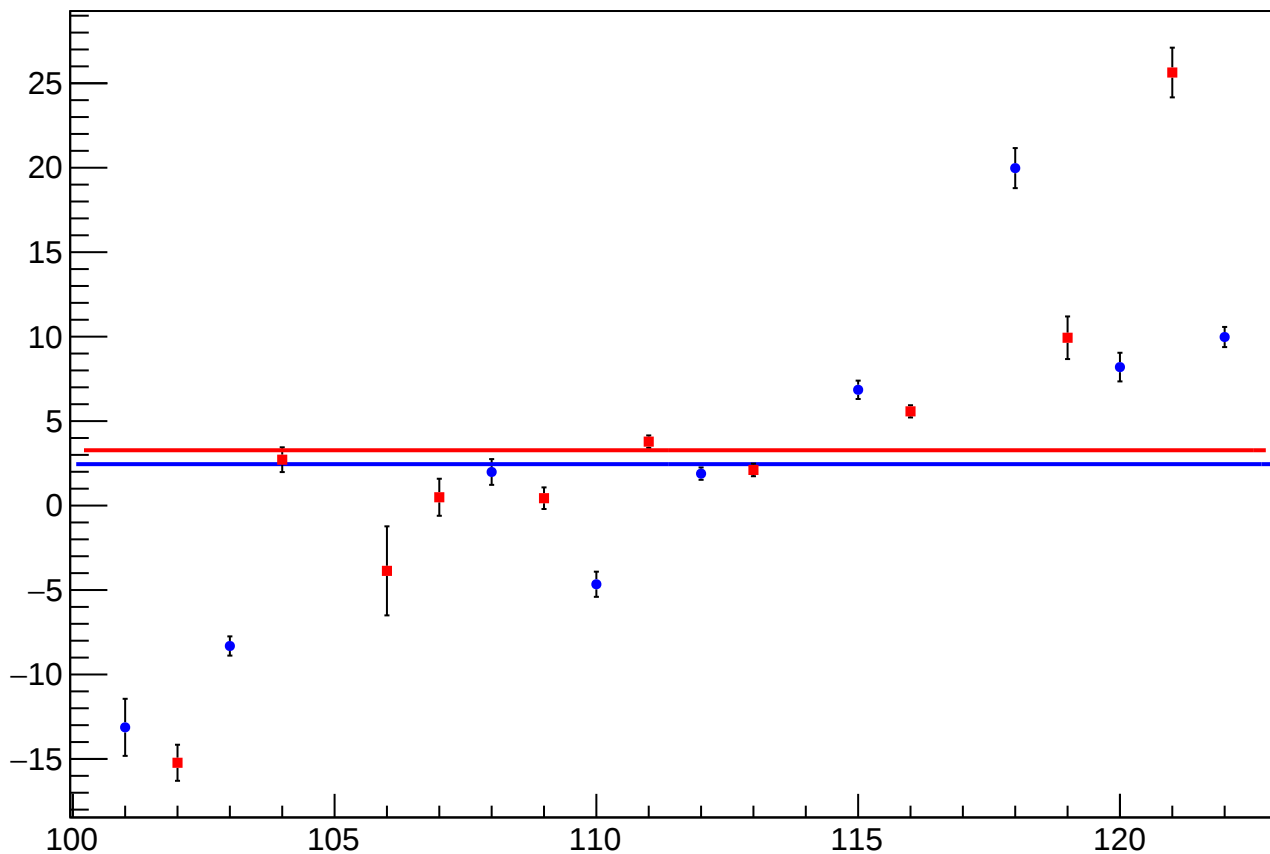
Right: 19.353+/-0.014  $\chi^2/\text{NDF}$ : 486491.0/18

In: 20.470+/-0.024  $\chi^2/\text{NDF}$ : 174737.9/8

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

All: 19.353+/-0.014  $\chi^2/\text{NDF}$ : 486491.0/18

# dit\_sam4\_4aX\_slope vs Slug, Sign Corrected



Right In: 2.452+/-0.210  $\chi^2/\text{NDF}$ : 1025.7/8

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

Right Out: 3.274+/-0.184  $\chi^2/\text{NDF}$ : 645.7/9

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

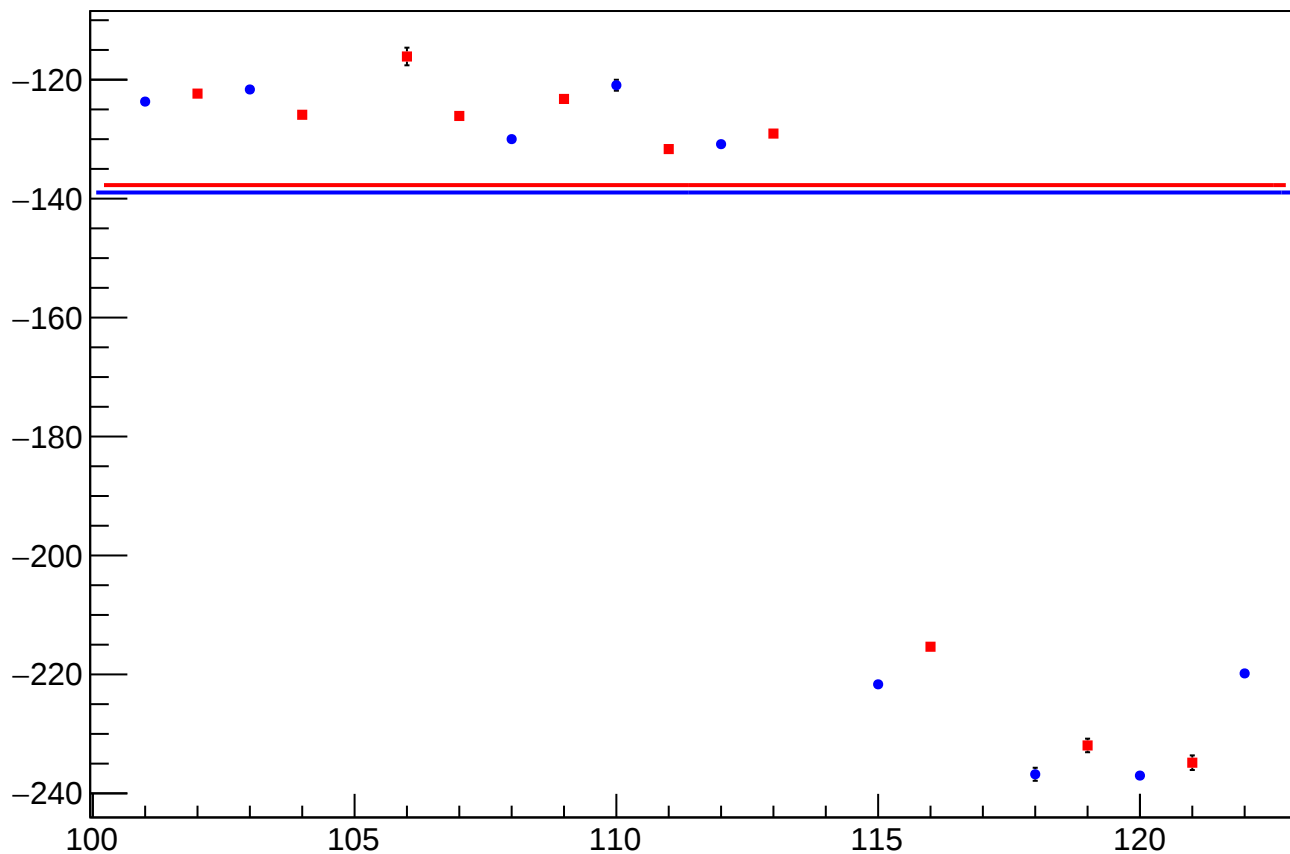
Right: 2.917+/-0.138  $\chi^2/\text{NDF}$ : 1680.0/18

In: 2.452+/-0.210  $\chi^2/\text{NDF}$ : 1025.7/8

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

All: 2.917+/-0.138  $\chi^2/\text{NDF}$ : 1680.0/18

# dit\_sam4\_4eX\_slope vs Slug, Sign Corrected



Right In: -138.968+/-0.108  $\chi^2/\text{NDF}$ : 114140.4/8

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

Right Out: -137.725+/-0.119  $\chi^2/\text{NDF}$ : 79628.5/9

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

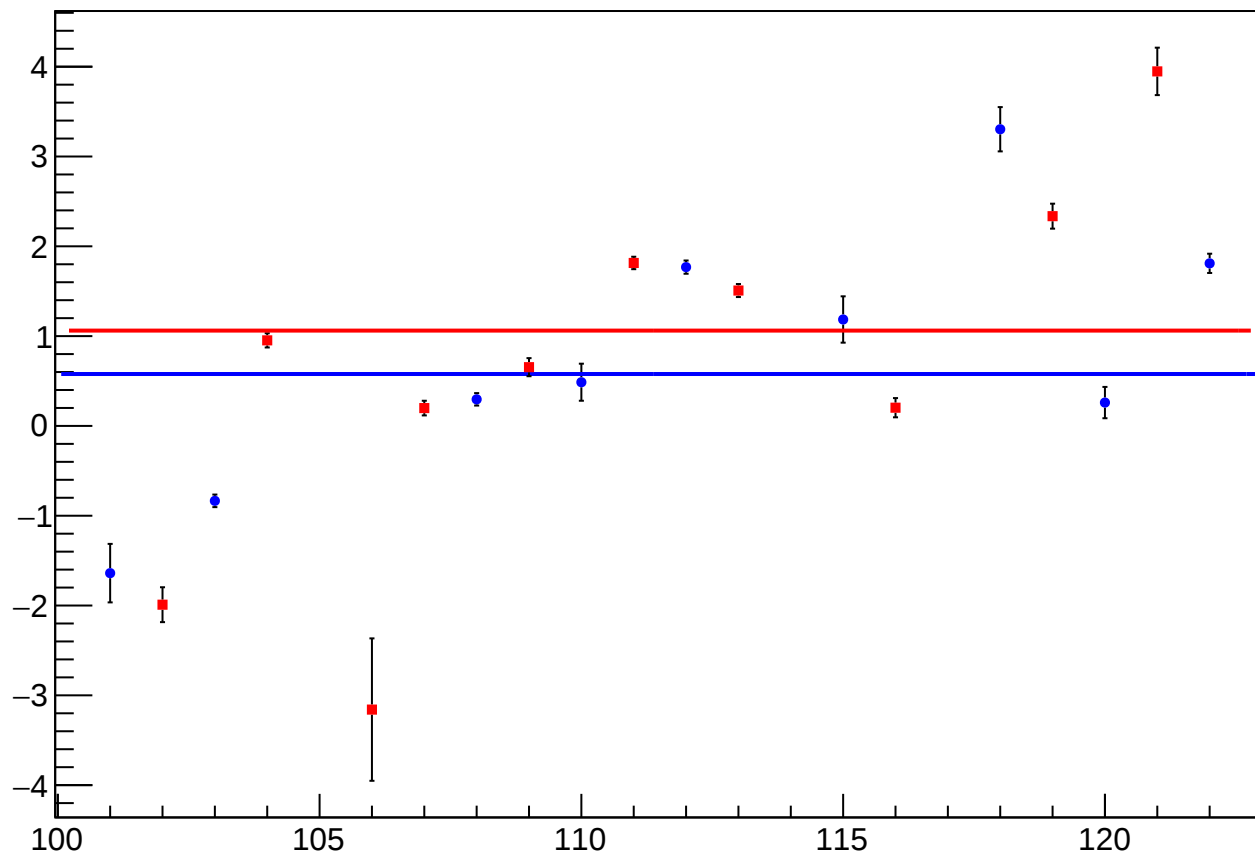
Right: -138.407+/-0.080  $\chi^2/\text{NDF}$ : 193828.9/18

In: -138.968+/-0.108  $\chi^2/\text{NDF}$ : 114140.4/8

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

All: -138.407+/-0.080  $\chi^2/\text{NDF}$ : 193828.9/18

# dit\_sam4\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.578 $\pm$ 0.036  $\chi^2$ /NDF: 993.4/8

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

Right Out: 1.062 $\pm$ 0.032  $\chi^2$ /NDF: 828.6/9

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

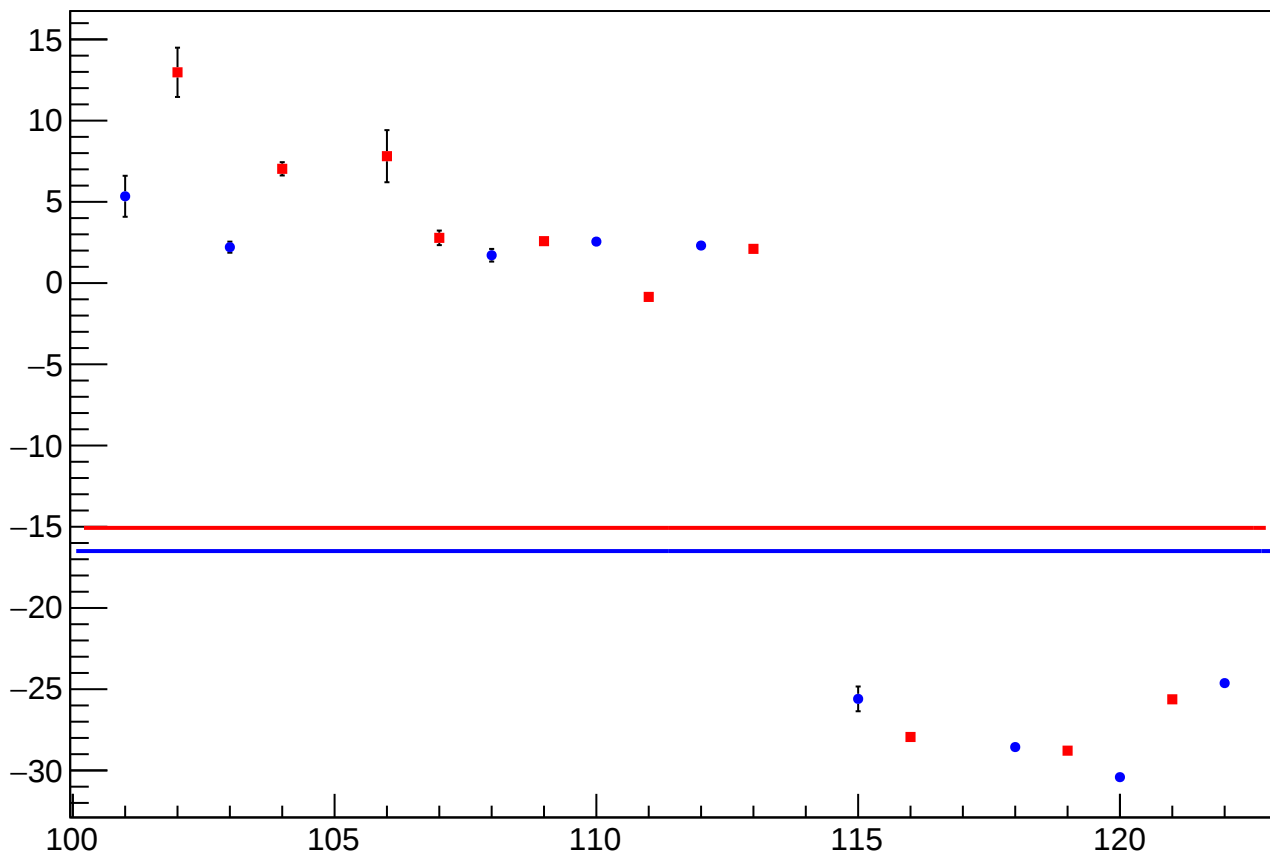
Right: 0.848 $\pm$ 0.024  $\chi^2$ /NDF: 1923.9/18

In: 0.578 $\pm$ 0.036  $\chi^2$ /NDF:993.4/8

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

All: 0.848 $\pm$ 0.024  $\chi^2$ /NDF: 1923.9/18

# dit\_sam4\_4aY\_slope vs Slug, Sign Corrected



Right In: -16.497 $\pm$ 0.048  $\chi^2$ /NDF: 73419.0/8

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

Right Out: -15.069 $\pm$ 0.052  $\chi^2$ /NDF: 77395.1/9

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

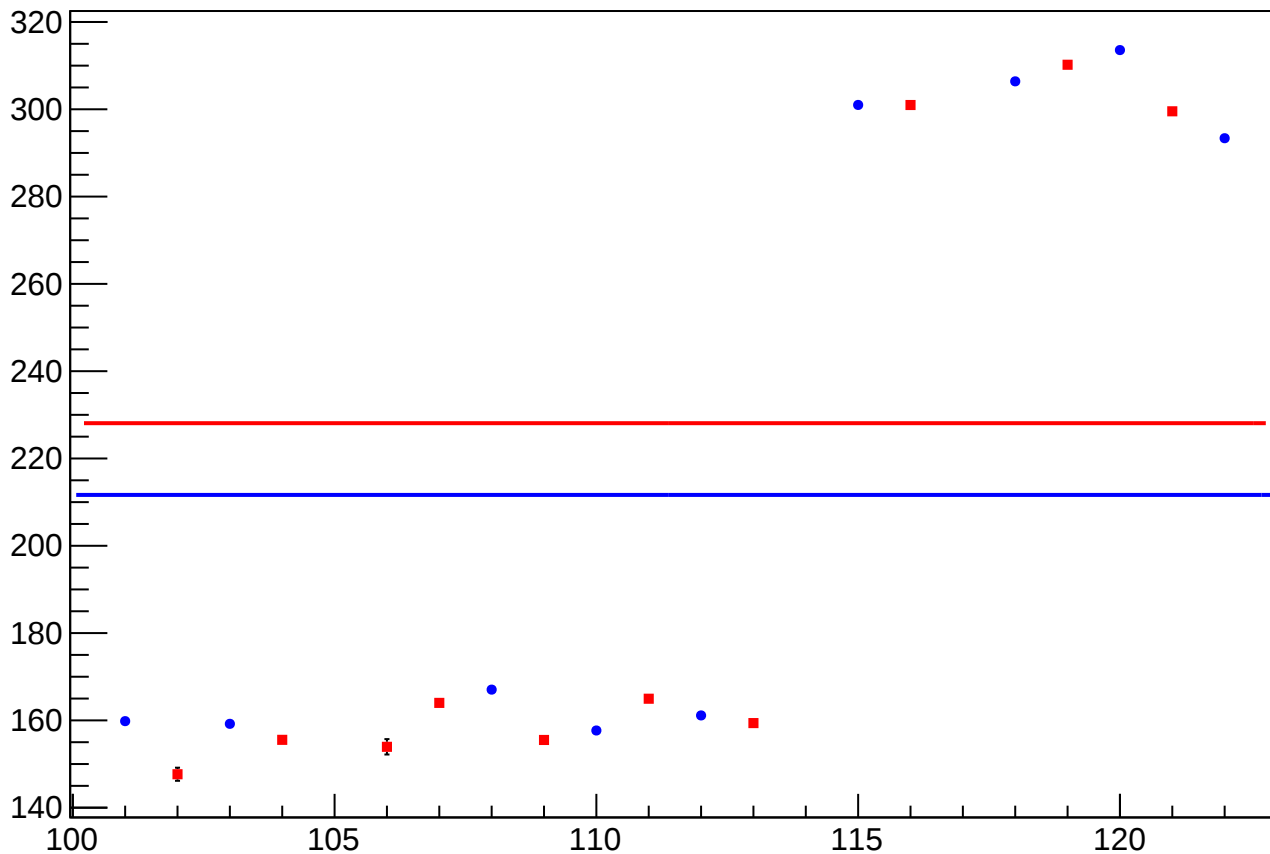
Right: -15.838 $\pm$ 0.035  $\chi^2$ /NDF: 151227.7/18

In: -16.497 $\pm$ 0.048  $\chi^2$ /NDF:73419.0/8

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

All: -15.838 $\pm$ 0.035  $\chi^2$ /NDF: 151227.7/18

# dit\_sam4\_4eY\_slope vs Slug, Sign Corrected



Right In: 211.654+/-0.113  $\chi^2/\text{NDF}$ : 353267.7/8

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

Right Out: 228.087+/-0.086  $\chi^2/\text{NDF}$ : 702152.4/9

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

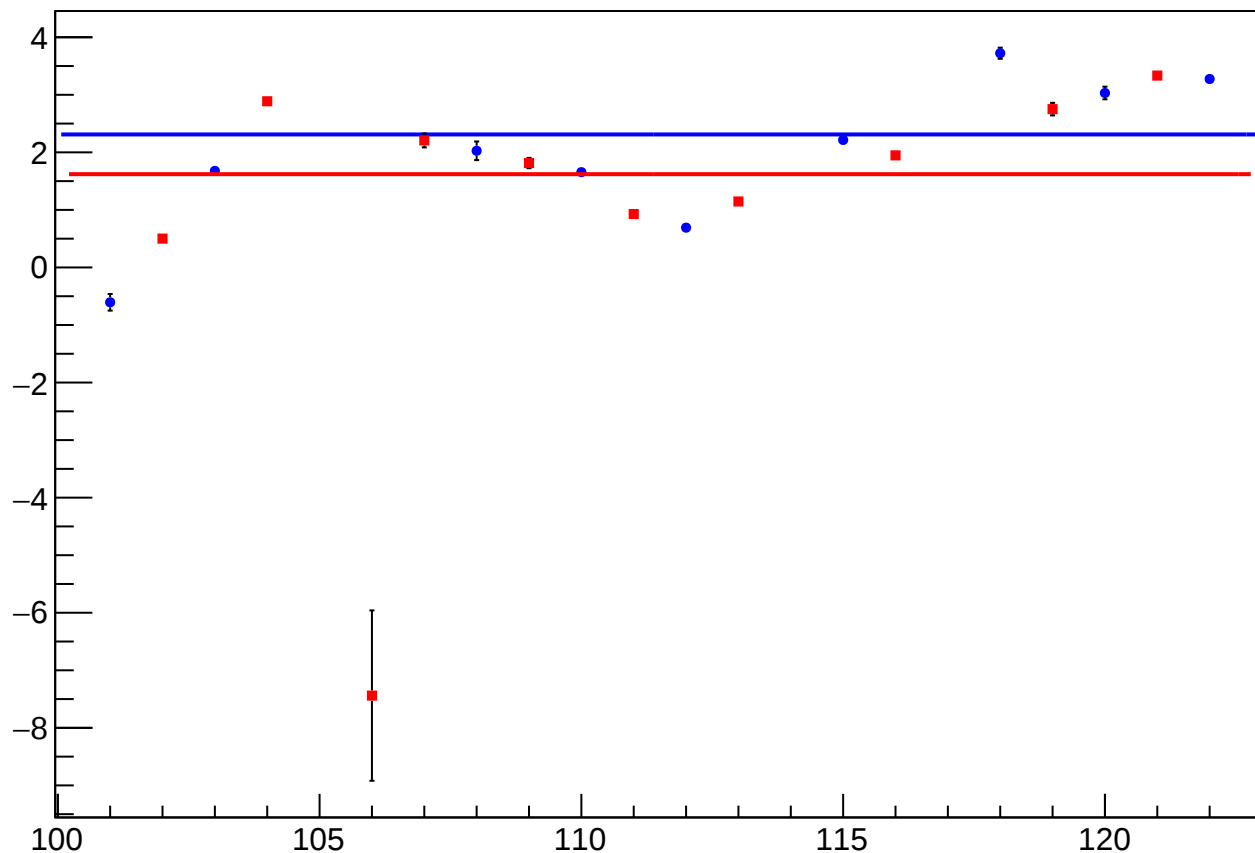
Right: 222.014+/-0.068  $\chi^2/\text{NDF}$ : 1068831.4/18

In: 211.654+/-0.113  $\chi^2/\text{NDF}$ : 353267.7/8

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

All: 222.014+/-0.068  $\chi^2/\text{NDF}$ : 1068831.4/18

# dit\_sam5\_4aX\_slope vs Slug, Sign Corrected



Right In: 2.311+/-0.022  $\chi^2/\text{NDF}$ : 2086.2/8

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

Right Out: 1.621+/-0.015  $\chi^2/\text{NDF}$ : 2577.7/9

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

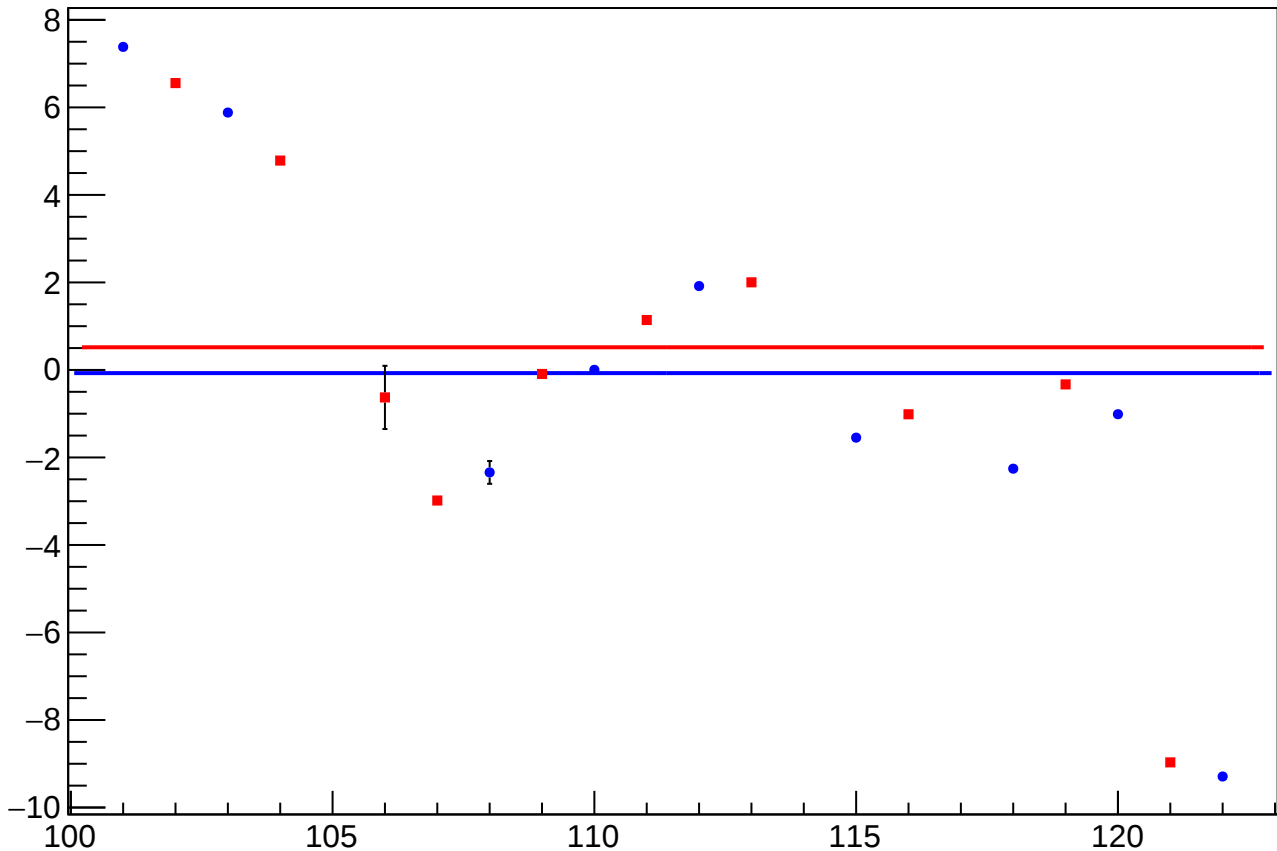
Right: 1.827+/-0.012  $\chi^2/\text{NDF}$ : 5330.7/18

In: 2.311+/-0.022  $\chi^2/\text{NDF}$ : 2086.2/8

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

All: 1.827+/-0.012  $\chi^2/\text{NDF}$ : 5330.7/18

# dit\_sam5\_4eX\_slope vs Slug, Sign Corrected



Right In: -0.073+/-0.017  $\chi^2/\text{NDF}$ : 166353.6/8

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

Right Out: 0.518+/-0.014  $\chi^2/\text{NDF}$ : 105345.5/9

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

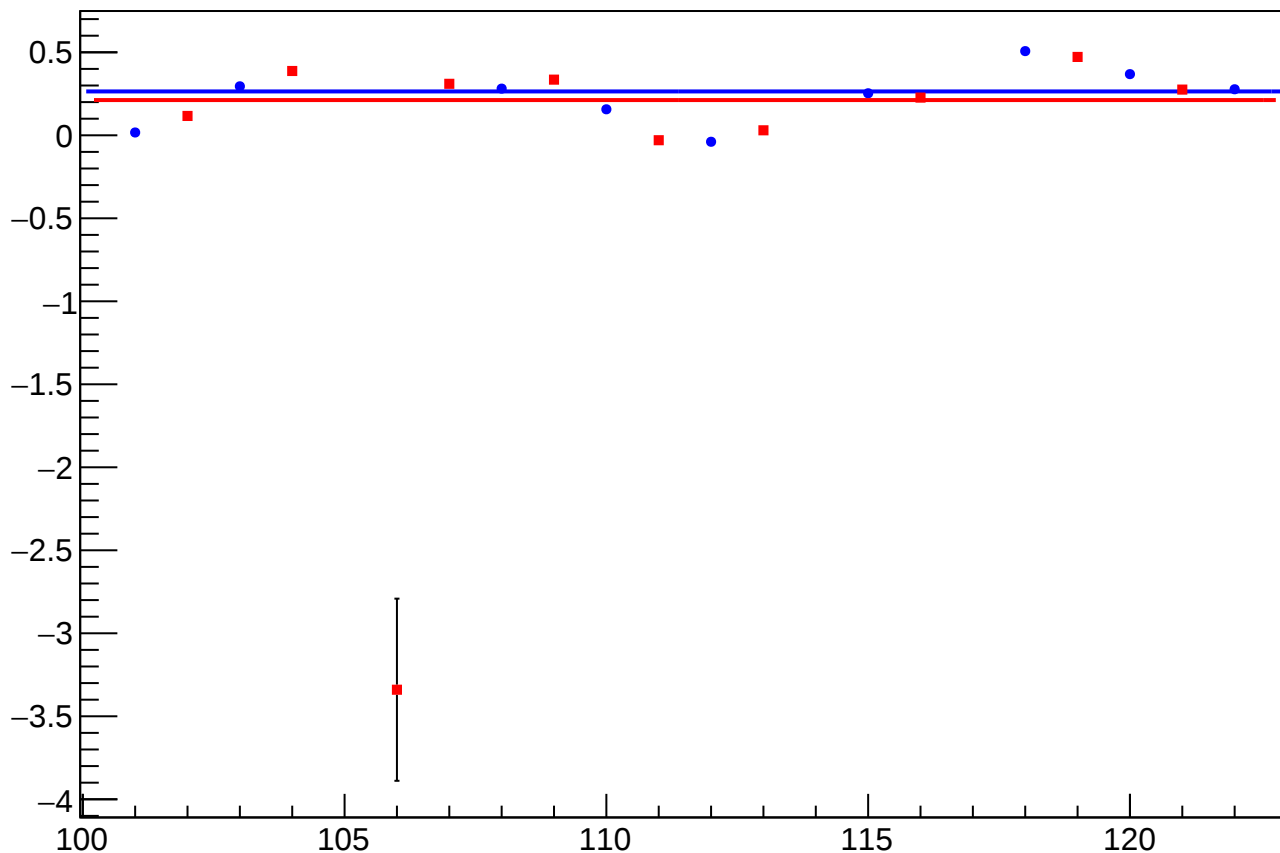
Right: 0.282+/-0.011  $\chi^2/\text{NDF}$ : 272426.9/18

In: -0.073+/-0.017  $\chi^2/\text{NDF}$ :166353.6/8

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

All: 0.282+/-0.011  $\chi^2/\text{NDF}$ : 272426.9/18

# dit\_sam5\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.264+/-0.003     $\chi^2/\text{NDF}$ : 686.7/8

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

Right Out: 0.212+/-0.003     $\chi^2/\text{NDF}$ : 3760.5/9

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

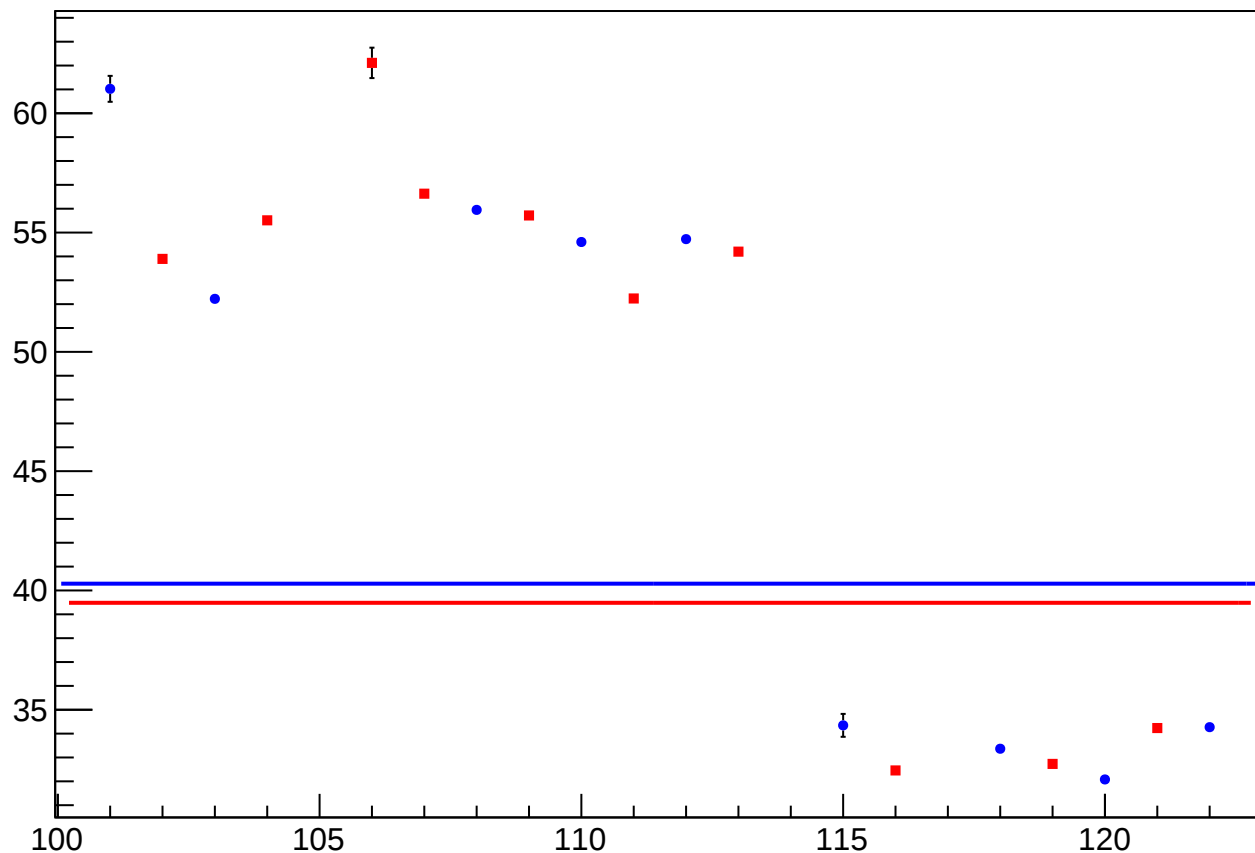
Right: 0.232+/-0.002     $\chi^2/\text{NDF}$ : 4590.5/18

In: 0.264+/-0.003     $\chi^2/\text{NDF}$ : 686.7/8

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

All: 0.232+/-0.002     $\chi^2/\text{NDF}$ : 4590.5/18

# dit\_sam5\_4aY\_slope vs Slug, Sign Corrected



Right In: 40.284 $\pm$ 0.023  $\chi^2$ /NDF: 178023.9/8

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

Right Out: 39.483 $\pm$ 0.021  $\chi^2$ /NDF: 209795.5/9

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

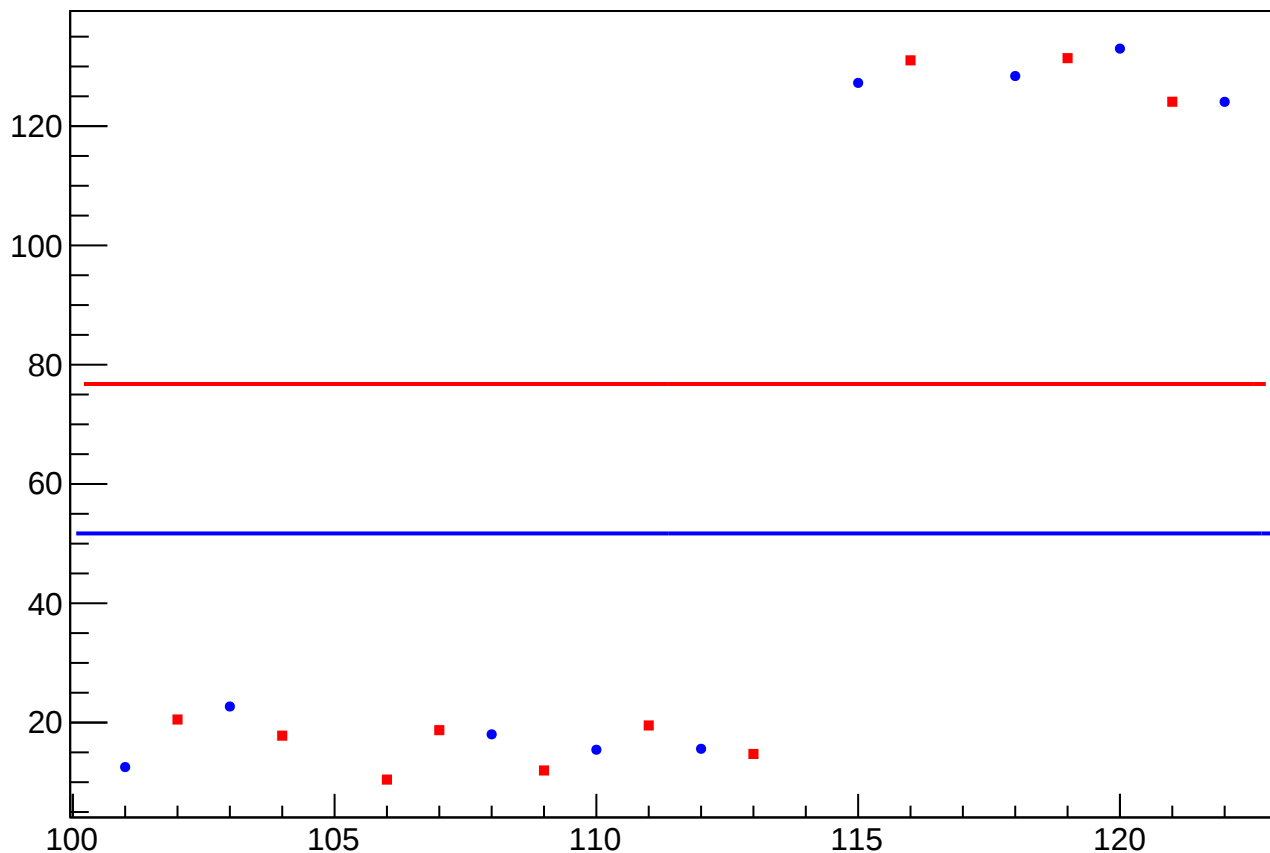
Right: 39.851 $\pm$ 0.015  $\chi^2$ /NDF: 388488.3/18

In: 40.284 $\pm$ 0.023  $\chi^2$ /NDF:178023.9/8

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

All: 39.851 $\pm$ 0.015  $\chi^2$ /NDF: 388488.3/18

# dit\_sam5\_4eY\_slope vs Slug, Sign Corrected



Right In: 51.709+/-0.041  $\chi^2/\text{NDF}$ : 1472840.6/8

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

Right Out: 76.766+/-0.037  $\chi^2/\text{NDF}$ : 2304005.9/9

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

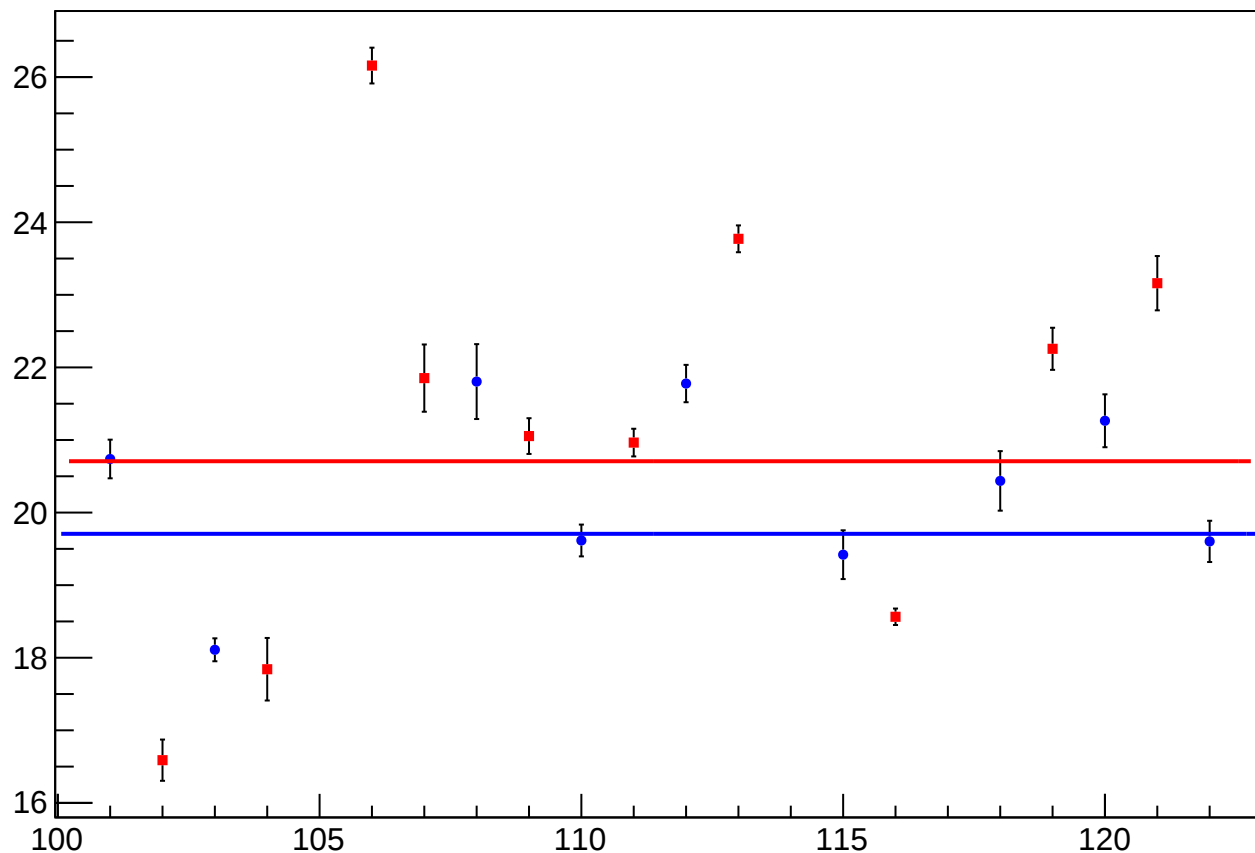
Right: 65.310+/-0.028  $\chi^2/\text{NDF}$ : 3981093.8/18

In: 51.709+/-0.041  $\chi^2/\text{NDF}$ :1472840.6/8

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

All: 65.310+/-0.028  $\chi^2/\text{NDF}$ : 3981093.8/18

# dit\_sam6\_4aX\_slope vs Slug, Sign Corrected



Right In: 19.707+/-0.088  $\chi^2/\text{NDF}$ : 221.0/8

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

Right Out: 20.707+/-0.069  $\chi^2/\text{NDF}$ : 1457.0/9

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

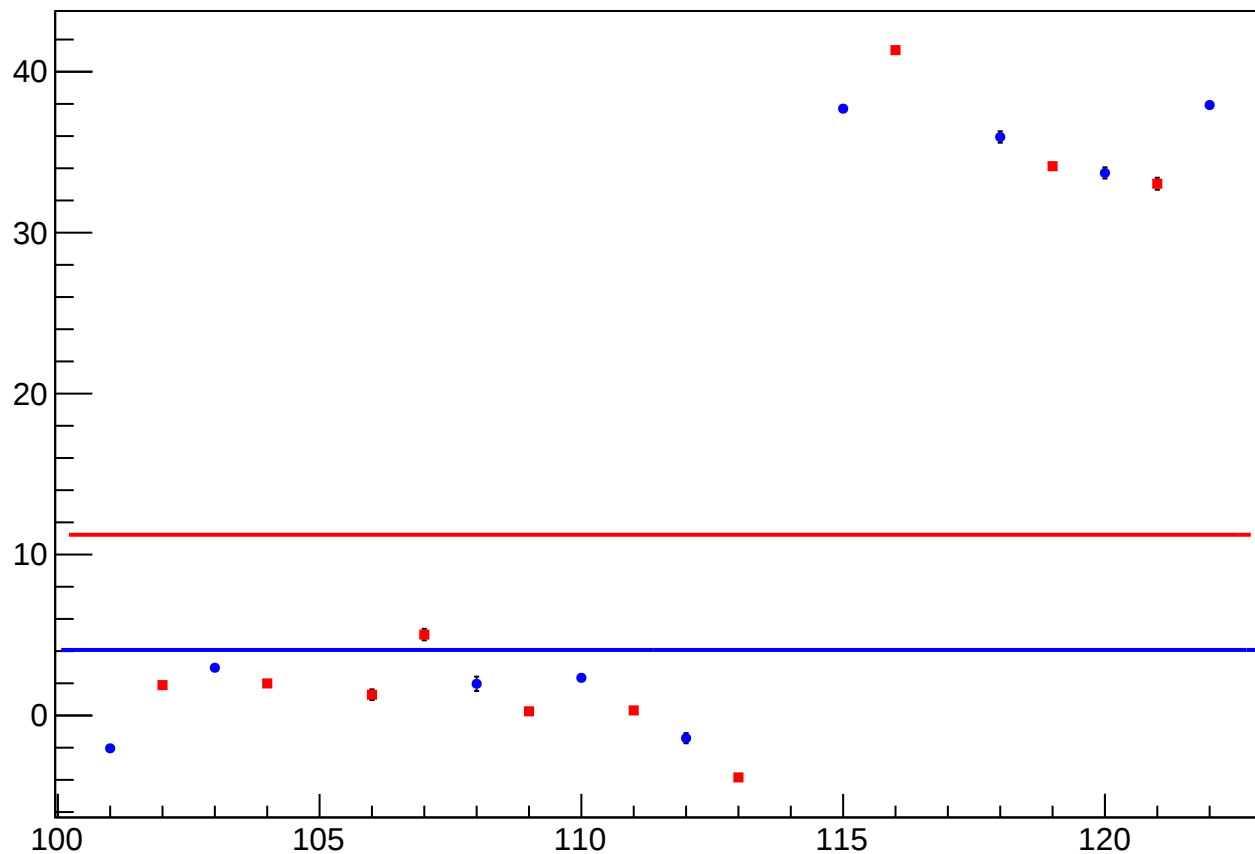
Right: 20.327+/-0.054  $\chi^2/\text{NDF}$ : 1757.6/18

In: 19.707+/-0.088  $\chi^2/\text{NDF}$ : 221.0/8

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

All: 20.327+/-0.054  $\chi^2/\text{NDF}$ : 1757.6/18

# dit\_sam6\_4eX\_slope vs Slug, Sign Corrected



Right In: 4.073+/-0.048  $\chi^2/\text{NDF}$ : 50217.4/8

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

Right Out: 11.231+/-0.065  $\chi^2/\text{NDF}$ : 69470.9/9

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

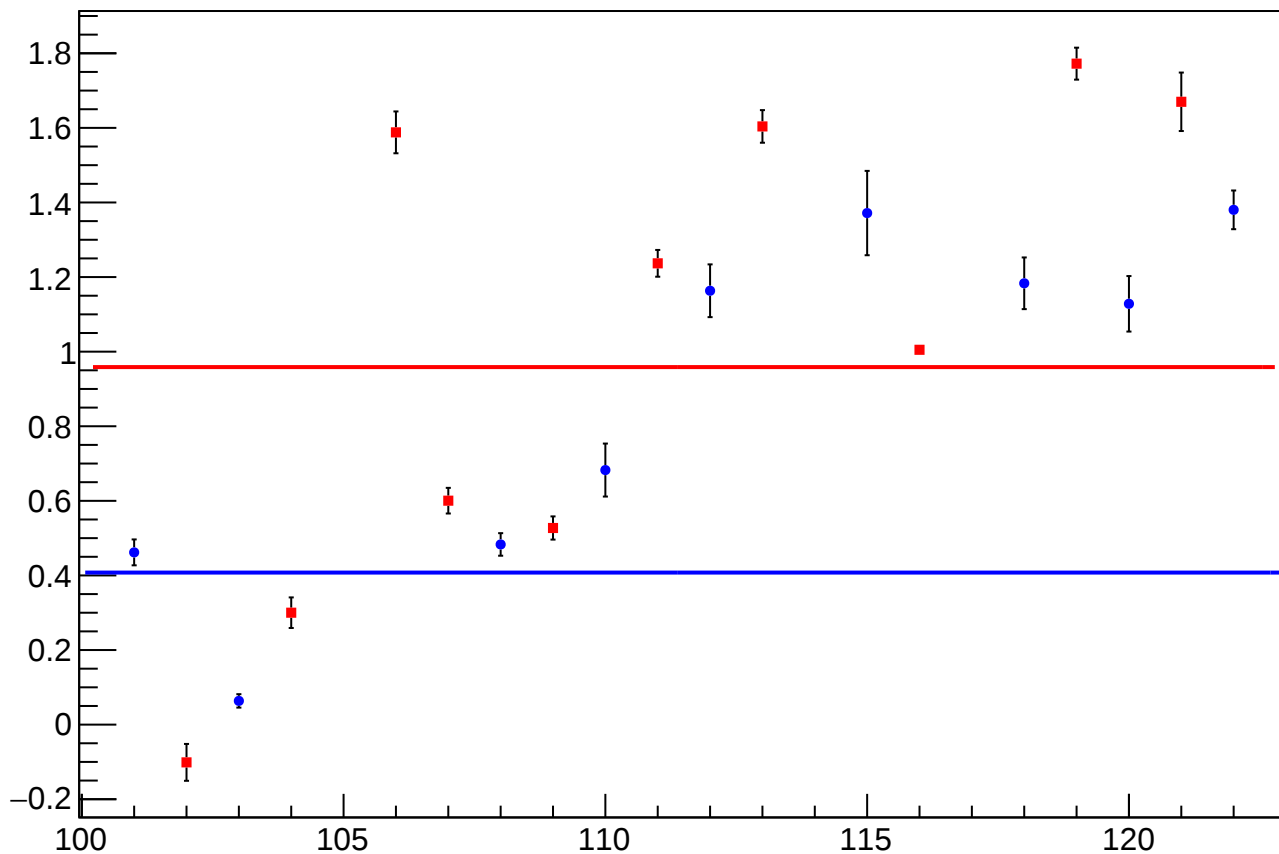
Right: 6.612+/-0.039  $\chi^2/\text{NDF}$ : 127468.9/18

In: 4.073+/-0.048  $\chi^2/\text{NDF}$ : 50217.4/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.612+/-0.039  $\chi^2/\text{NDF}$ : 127468.9/18

dit\_sam6\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.408 $\pm$ 0.013  $\chi^2$ /NDF: 1146.2/8

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.959 $\pm$ 0.010  $\chi^2$ /NDF: 1878.1/9

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

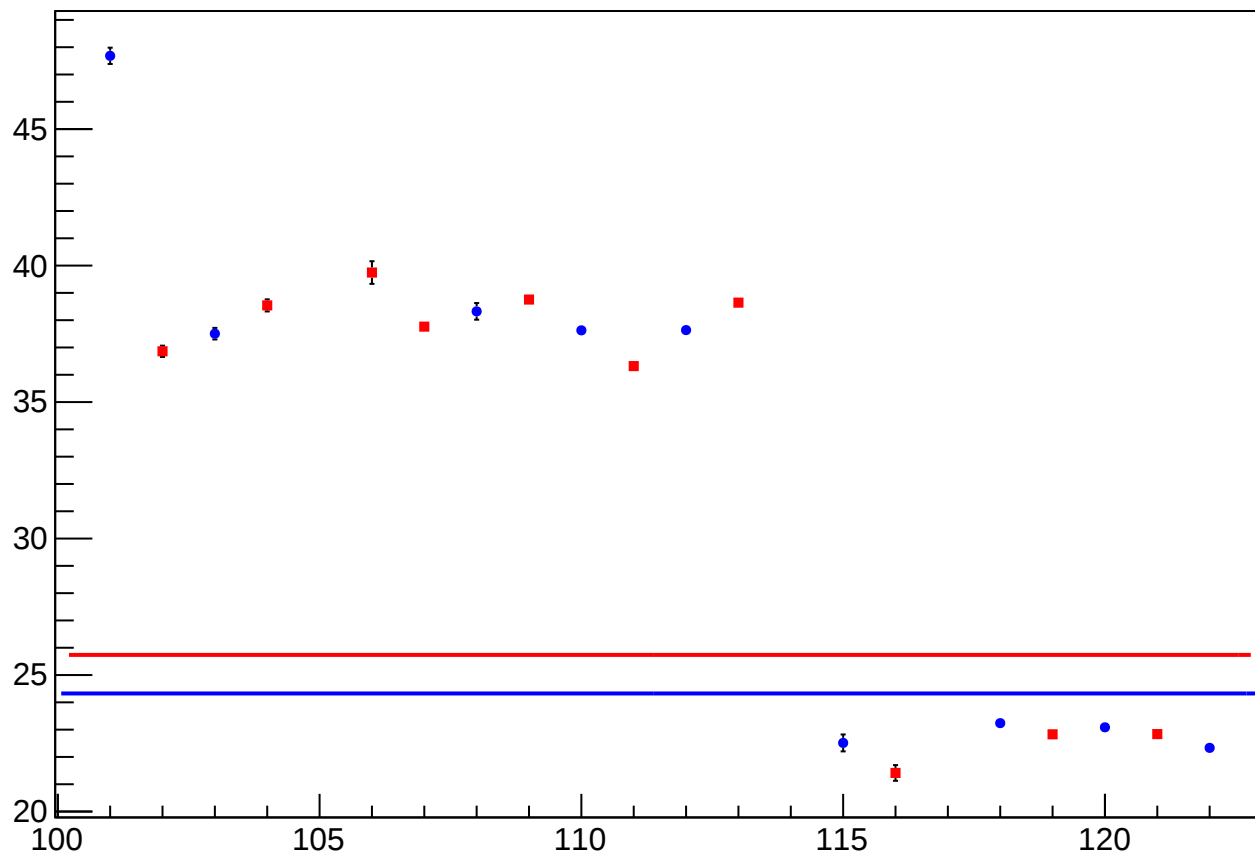
Right: 0.758 $\pm$ 0.008  $\chi^2$ /NDF: 4228.7/18

In: 0.408 $\pm$ 0.013  $\chi^2$ /NDF:1146.2/8

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.758 $\pm$ 0.008  $\chi^2$ /NDF: 4228.7/18

# dit\_sam6\_4aY\_slope vs Slug, Sign Corrected



Right In: 24.325+/-0.017  $\chi^2/\text{NDF}$ : 71142.2/8

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 25.738+/-0.019  $\chi^2/\text{NDF}$ : 101433.6/9

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

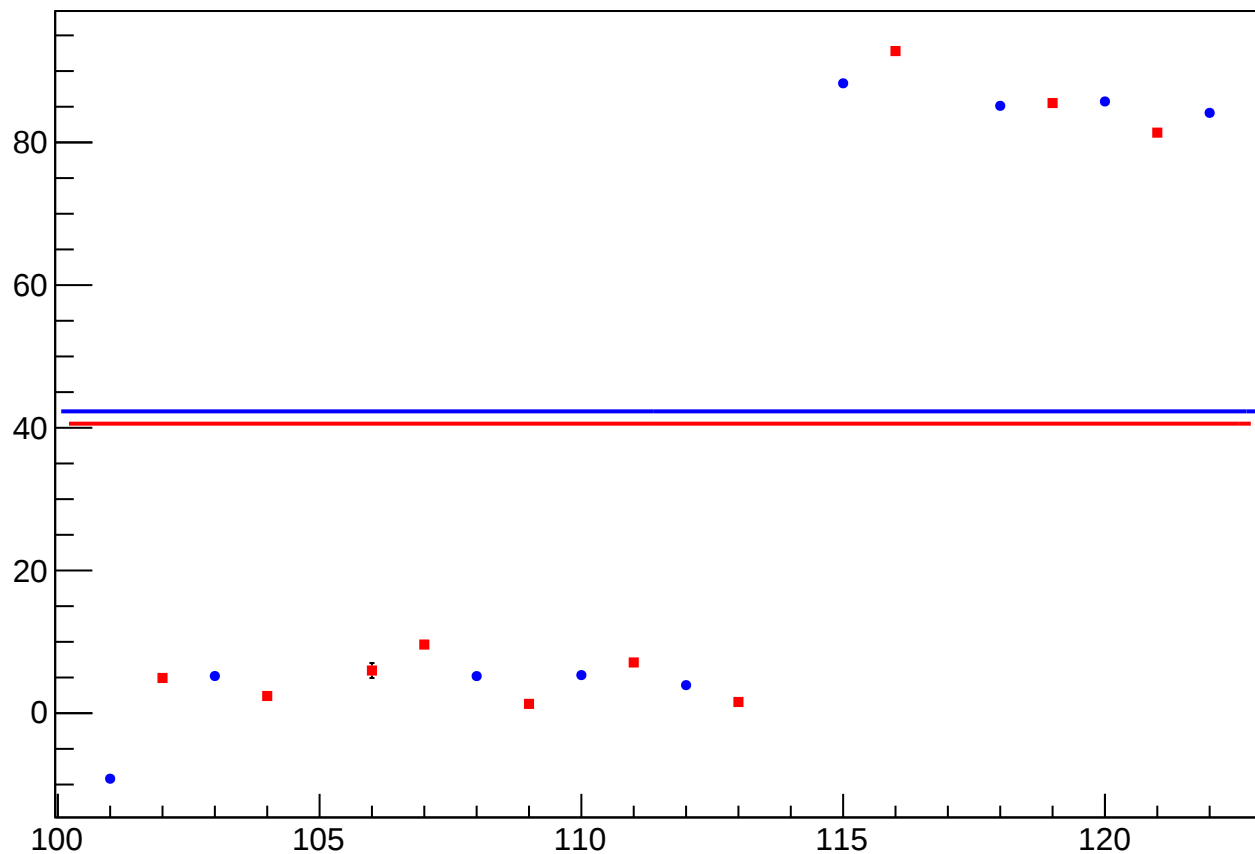
Right: 24.954+/-0.012  $\chi^2/\text{NDF}$ : 175783.2/18

In: 24.325+/-0.017  $\chi^2/\text{NDF}$ : 71142.2/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 24.954+/-0.012  $\chi^2/\text{NDF}$ : 175783.2/18

# dit\_sam6\_4eY\_slope vs Slug, Sign Corrected



Right In: 42.305+/-0.042  $\chi^2/\text{NDF}$ : 922835.4/8

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 40.578+/-0.045  $\chi^2/\text{NDF}$ : 801931.5/9

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

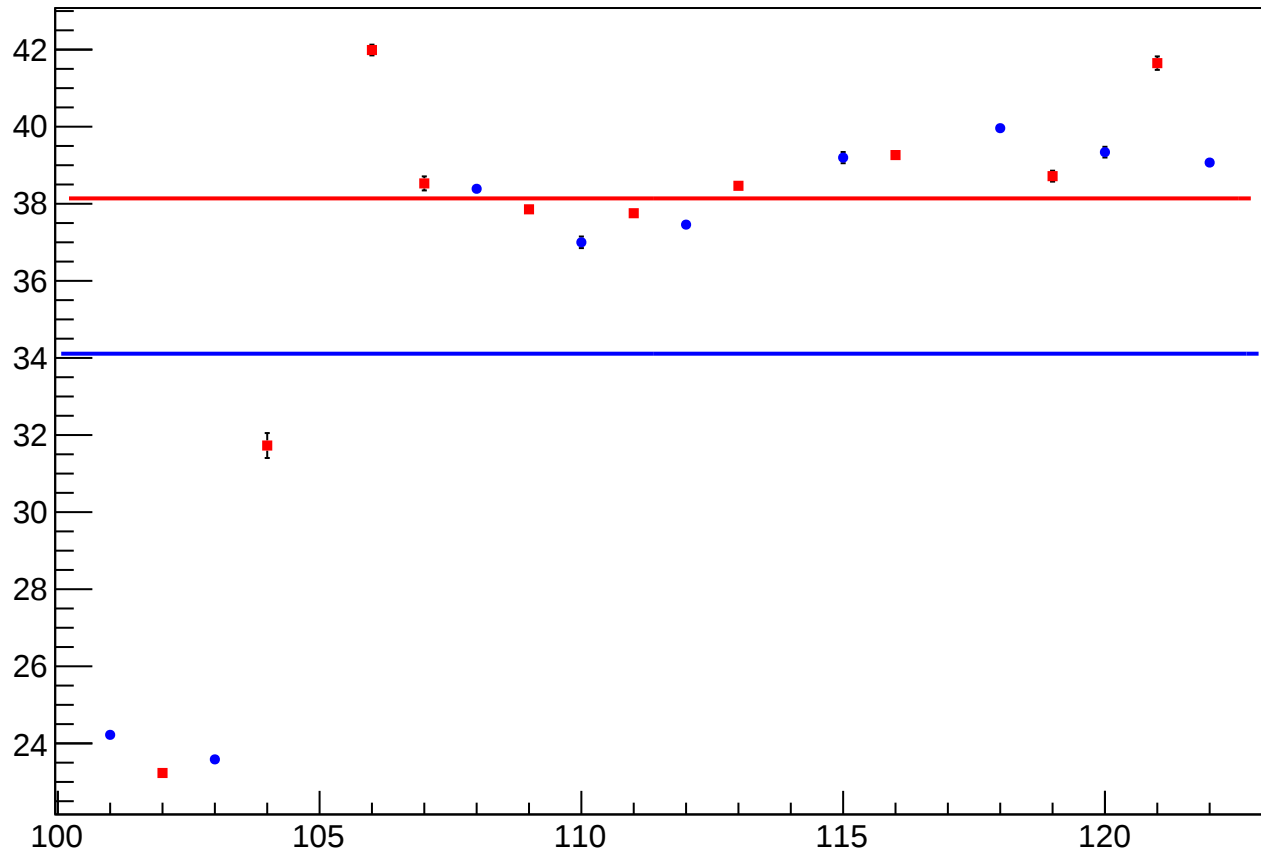
Right: 41.488+/-0.031  $\chi^2/\text{NDF}$ : 1725551.4/18

In: 42.305+/-0.042  $\chi^2/\text{NDF}$ : 922835.4/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 41.488+/-0.031  $\chi^2/\text{NDF}$ : 1725551.4/18

# dit\_sam7\_4aX\_slope vs Slug, Sign Corrected



Right In: 34.110+/-0.033  $\chi^2/\text{NDF}$ : 39663.2/8

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 38.139+/-0.021  $\chi^2/\text{NDF}$ : 16963.8/9

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

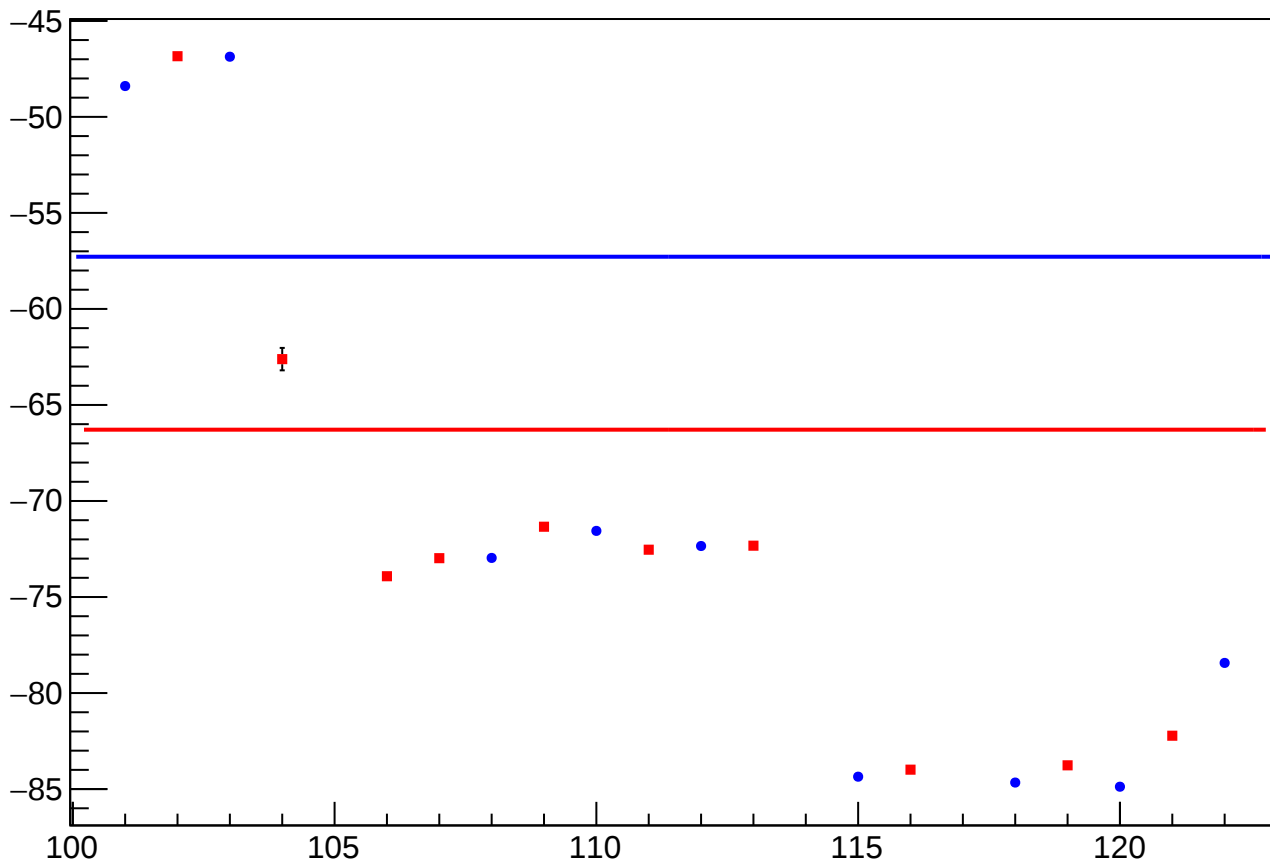
Right: 36.962+/-0.018  $\chi^2/\text{NDF}$ : 67210.4/18

In: 34.110+/-0.033  $\chi^2/\text{NDF}$ : 39663.2/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 36.962+/-0.018  $\chi^2/\text{NDF}$ : 67210.4/18

# dit\_sam7\_4eX\_slope vs Slug, Sign Corrected



Right In: -57.282 $\pm$ 0.021  $\chi^2$ /NDF: 459142.6/8

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -66.287 $\pm$ 0.016  $\chi^2$ /NDF: 781054.5/9

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

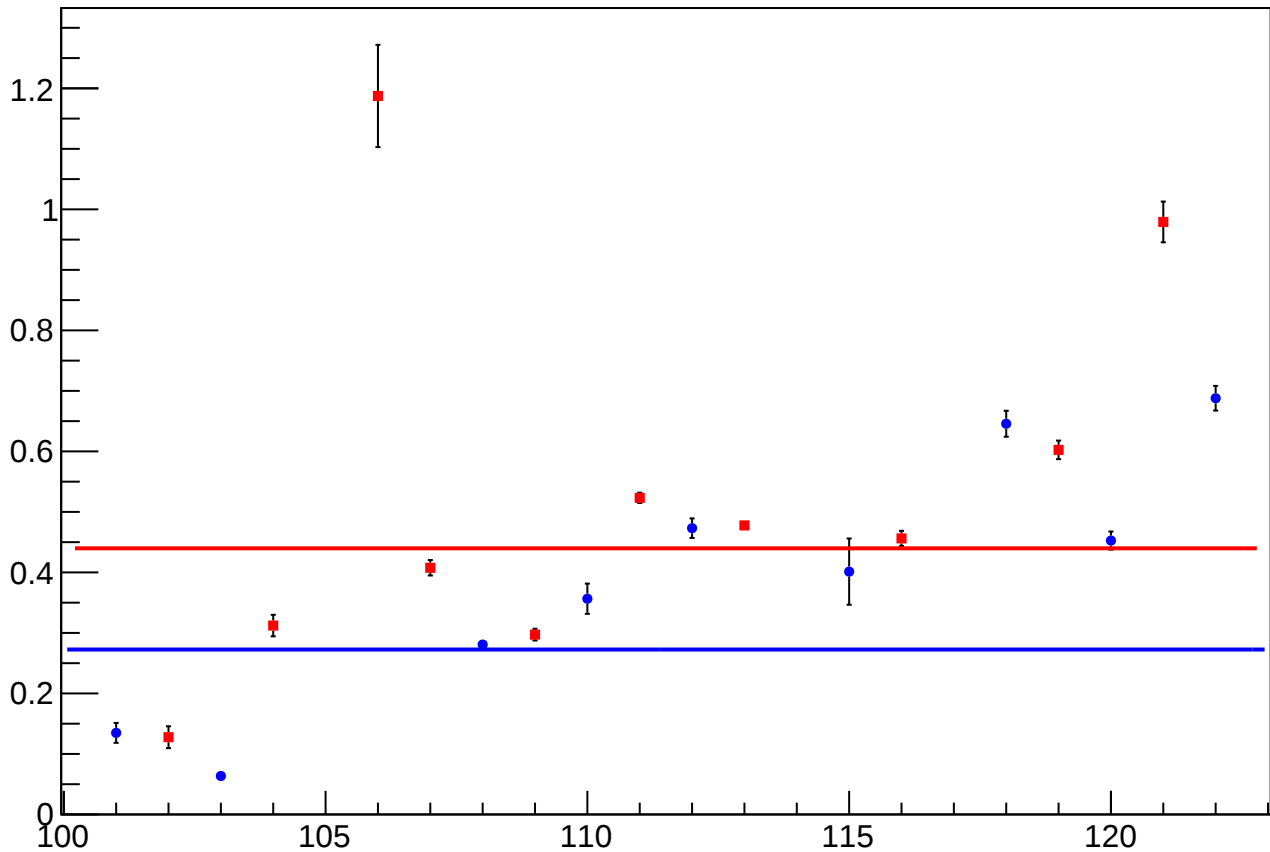
Right: -62.978 $\pm$ 0.013  $\chi^2$ /NDF: 1355237.7/18

In: -57.282 $\pm$ 0.021  $\chi^2$ /NDF:459142.6/8

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -62.978 $\pm$ 0.013  $\chi^2$ /NDF: 1355237.7/18

# dit\_sam7\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.273+/-0.004  $\chi^2/\text{NDF}$ : 1797.5/8

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 0.440+/-0.004  $\chi^2/\text{NDF}$ : 1137.0/9

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

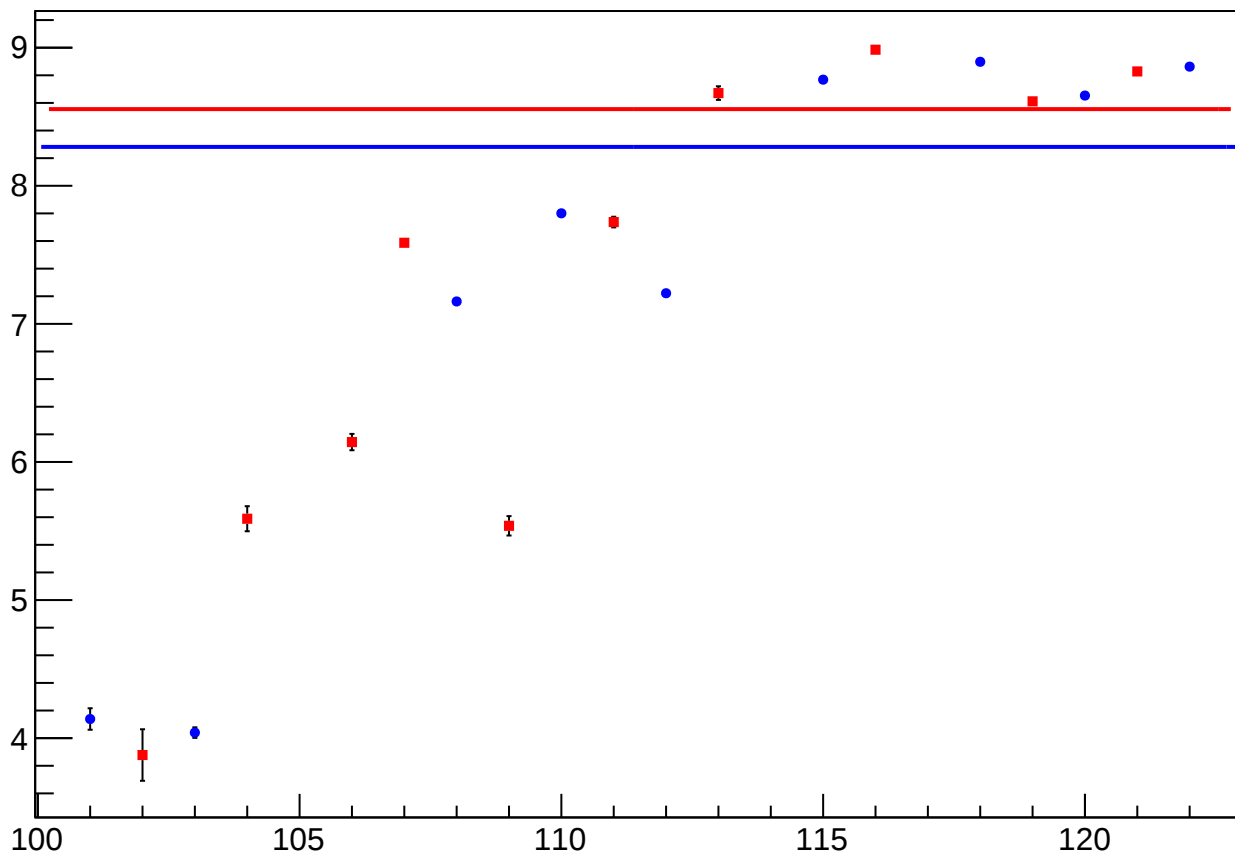
Right: 0.355+/-0.003  $\chi^2/\text{NDF}$ : 3826.6/18

In: 0.273+/-0.004  $\chi^2/\text{NDF}$ :1797.5/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 0.355+/-0.003  $\chi^2/\text{NDF}$ : 3826.6/18

# dit\_sam7\_4aY\_slope vs Slug, Sign Corrected



Right In: 8.282 $\pm$ 0.008  $\chi^2$ /NDF: 23047.9/8

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 8.555 $\pm$ 0.007  $\chi^2$ /NDF: 8185.2/9

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

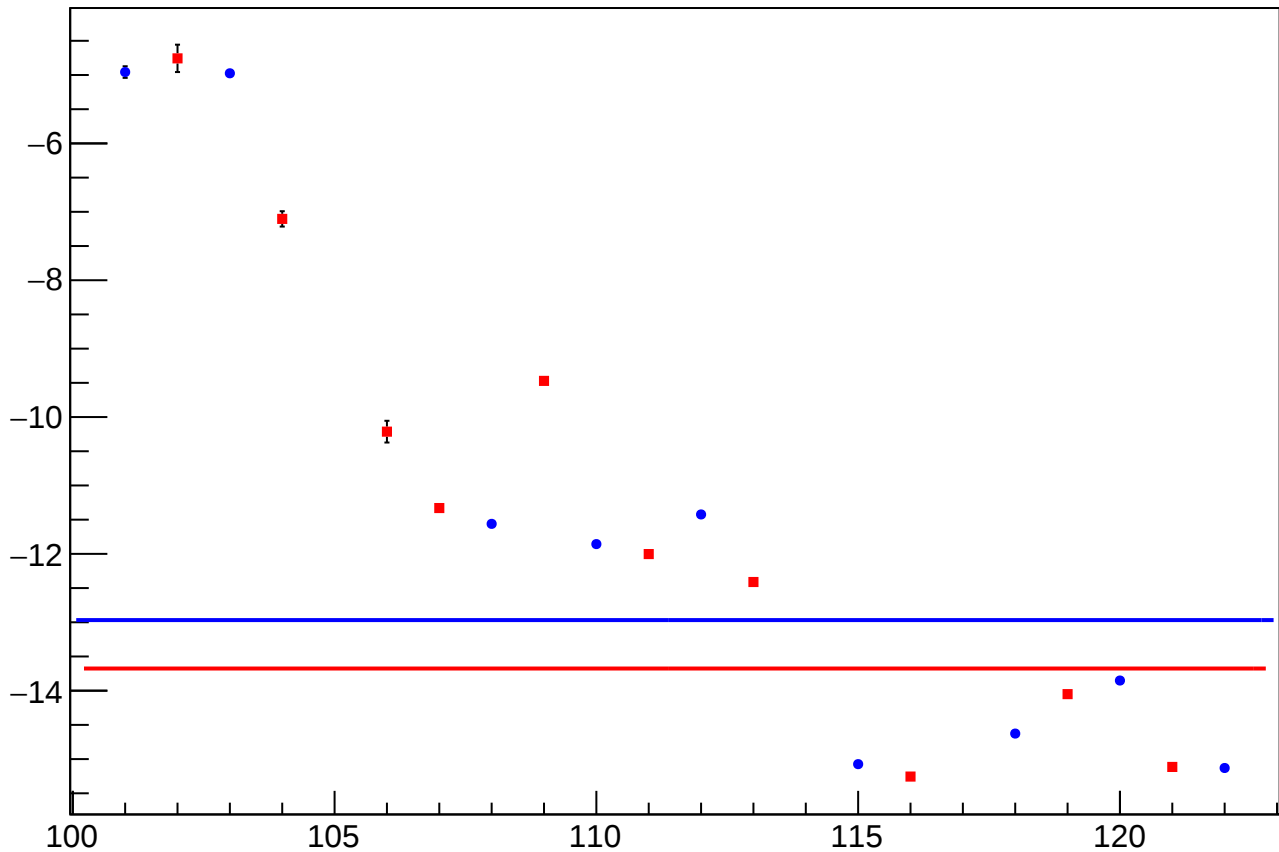
Right: 8.422 $\pm$ 0.005  $\chi^2$ /NDF: 31895.7/18

In: 8.282 $\pm$ 0.008  $\chi^2$ /NDF:23047.9/8

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 8.422 $\pm$ 0.005  $\chi^2$ /NDF: 31895.7/18

# dit\_sam7\_4eY\_slope vs Slug, Sign Corrected



Right In: -12.968+/-0.011  $\chi^2/\text{NDF}$ : 71992.6/8

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -13.676+/-0.009  $\chi^2/\text{NDF}$ : 33948.5/9

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

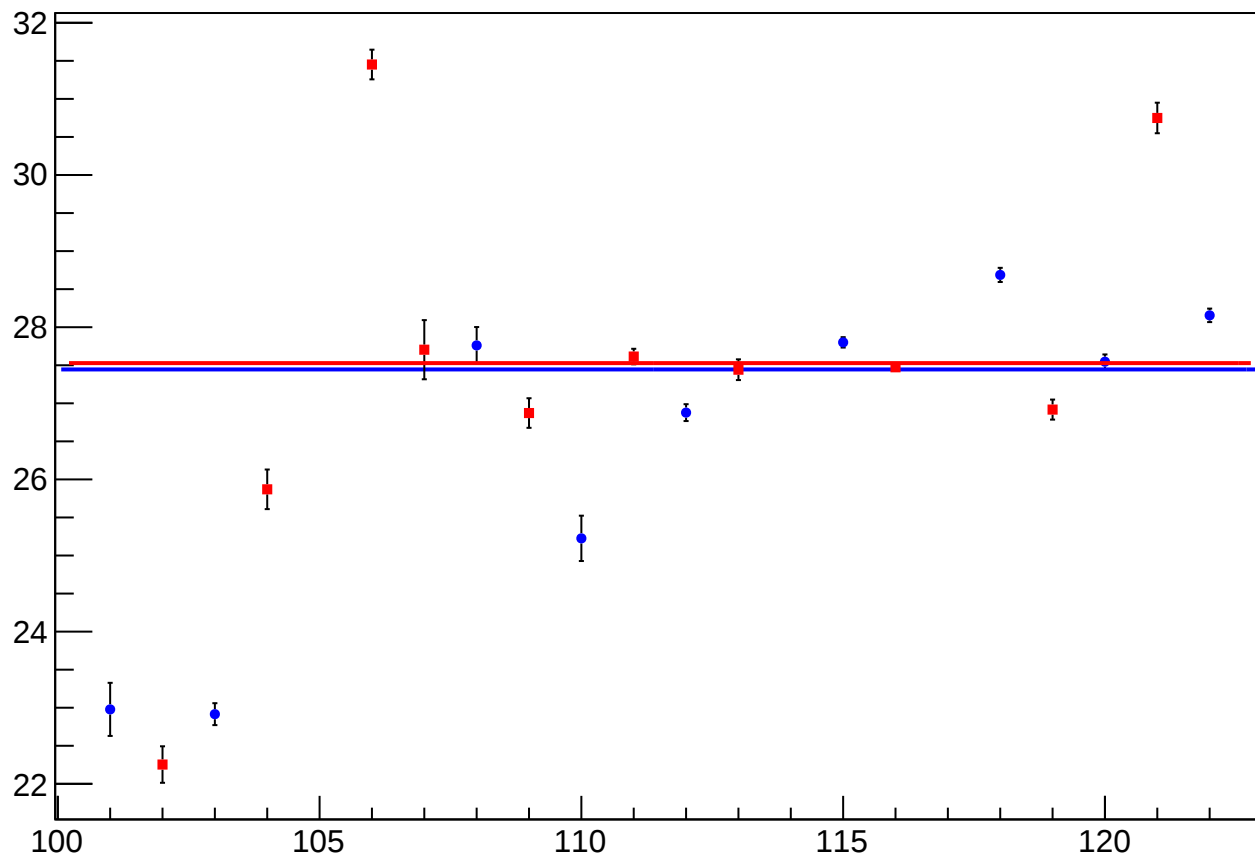
Right: -13.405+/-0.007  $\chi^2/\text{NDF}$ : 108560.3/18

In: -12.968+/-0.011  $\chi^2/\text{NDF}$ : 71992.6/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -13.405+/-0.007  $\chi^2/\text{NDF}$ : 108560.3/18

# dit\_sam8\_4aX\_slope vs Slug, Sign Corrected



Right In: 27.445+/-0.037  $\chi^2/\text{NDF}$ : 1507.5/8

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 27.528+/-0.039  $\chi^2/\text{NDF}$ : 1222.1/9

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

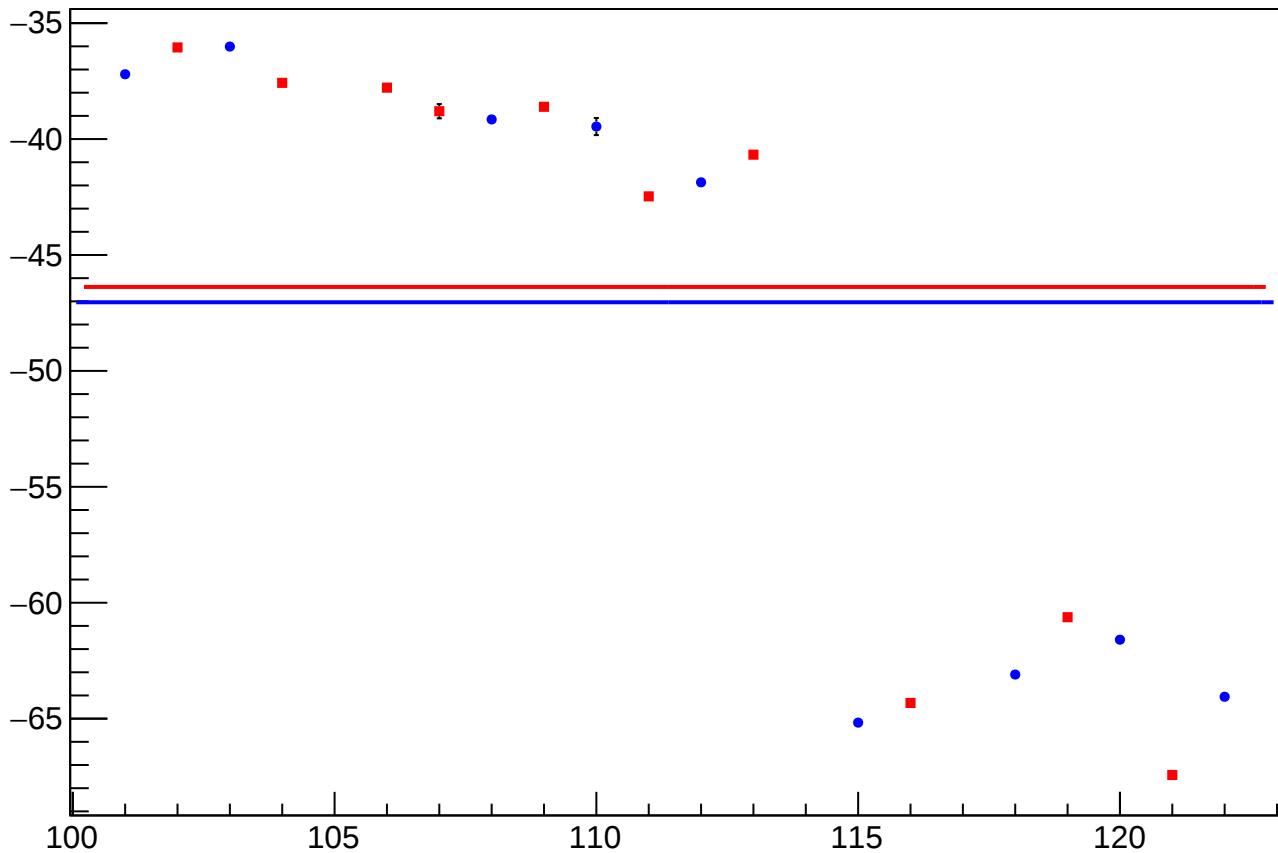
Right: 27.485+/-0.027  $\chi^2/\text{NDF}$ : 2732.0/18

In: 27.445+/-0.037  $\chi^2/\text{NDF}$ : 1507.5/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 27.485+/-0.027  $\chi^2/\text{NDF}$ : 2732.0/18

# dit\_sam8\_4eX\_slope vs Slug, Sign Corrected



Right In: -47.039 $\pm$ 0.023  $\chi^2$ /NDF: 320075.6/8

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -46.378 $\pm$ 0.026  $\chi^2$ /NDF: 247228.0/9

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

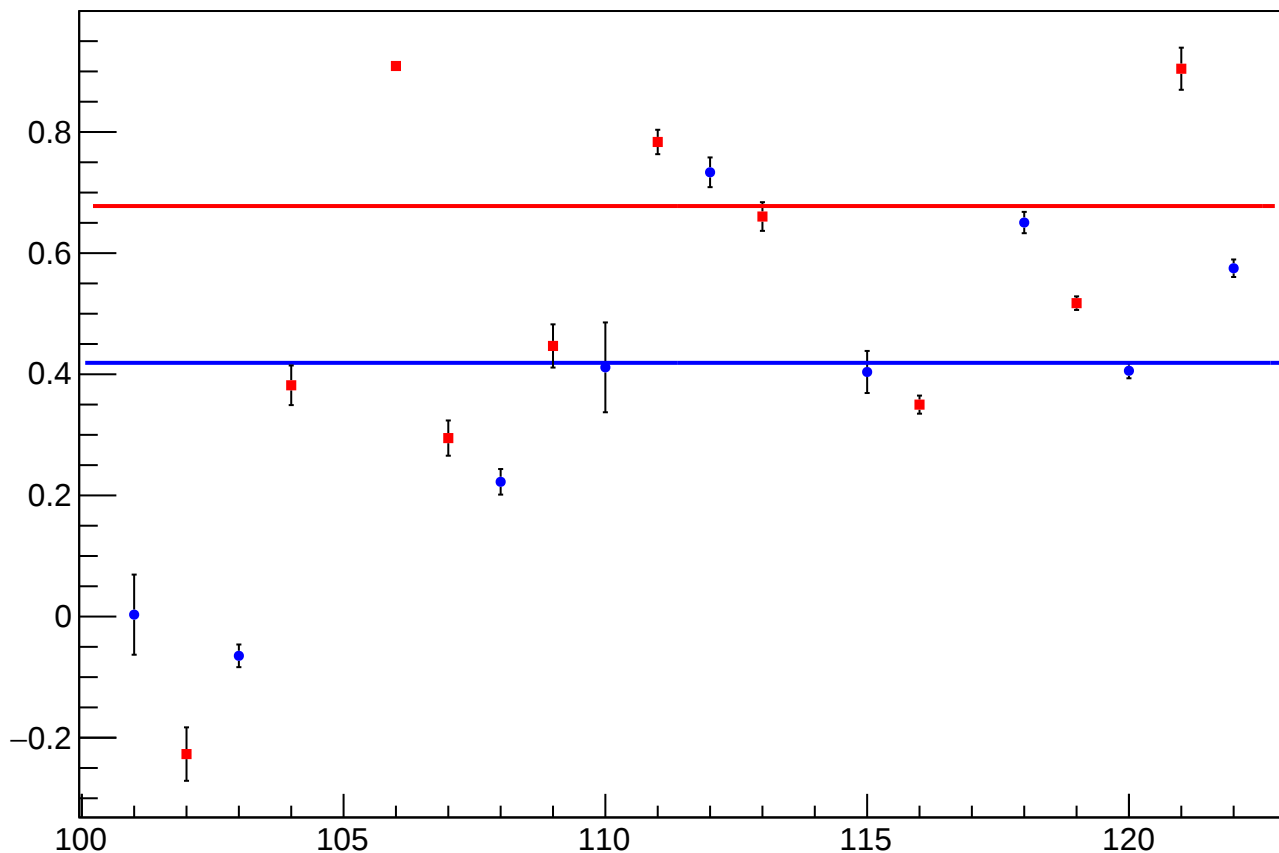
Right: -46.748 $\pm$ 0.017  $\chi^2$ /NDF: 567661.1/18

In: -47.039 $\pm$ 0.023  $\chi^2$ /NDF:320075.6/8

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -46.748 $\pm$ 0.017  $\chi^2$ /NDF: 567661.1/18

# dit\_sam8\_11X12X\_slope vs Slug, Sign Corrected



Right In: 0.419+/-0.007  $\chi^2/\text{NDF}$ : 1250.7/8

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.678+/-0.005  $\chi^2/\text{NDF}$ : 2332.1/9

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

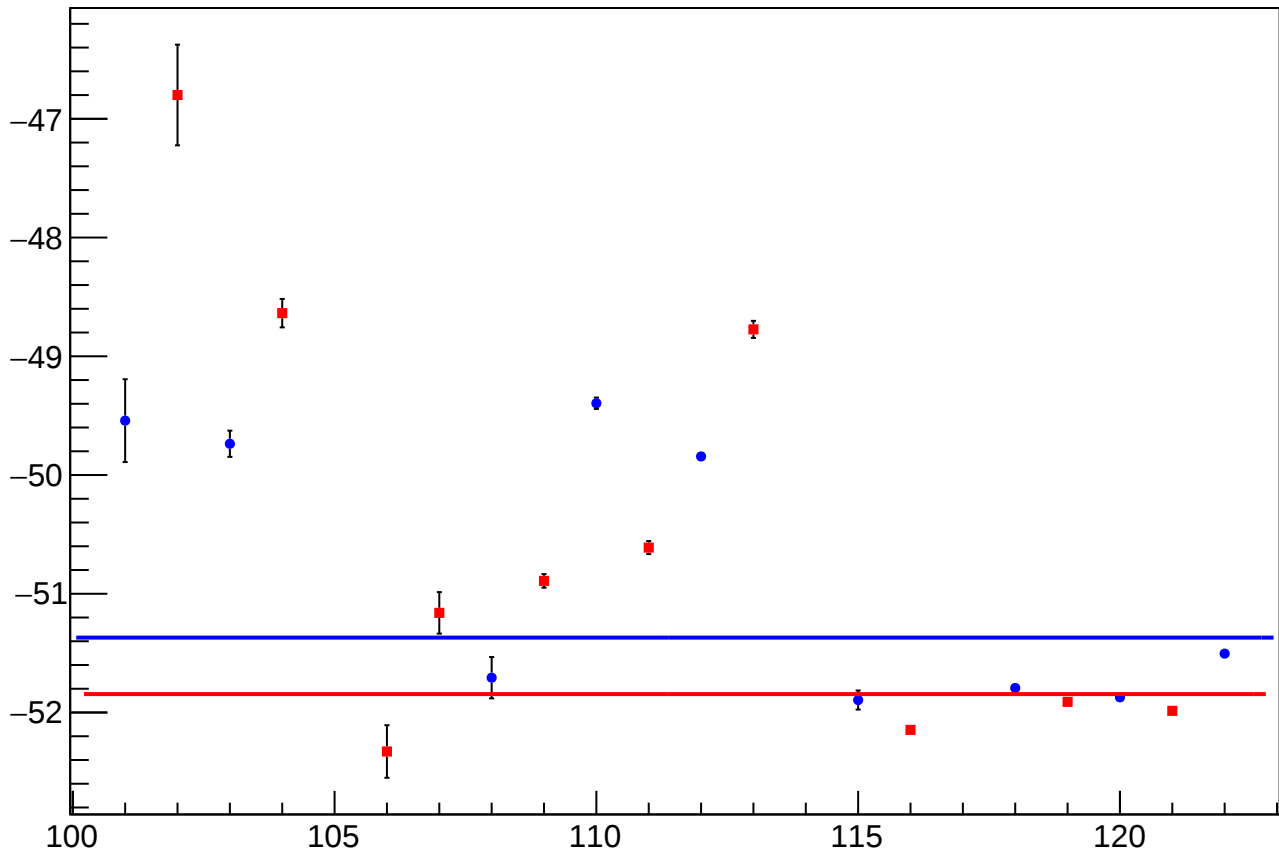
Right: 0.580+/-0.004  $\chi^2/\text{NDF}$ : 4520.5/18

In: 0.419+/-0.007  $\chi^2/\text{NDF}$ : 1250.7/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.580+/-0.004  $\chi^2/\text{NDF}$ : 4520.5/18

# dit\_sam8\_4aY\_slope vs Slug, Sign Corrected



Right In: -51.369+/-0.009  $\chi^2/\text{NDF}$ : 5984.1/8

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -51.845+/-0.008  $\chi^2/\text{NDF}$ : 3737.3/9

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

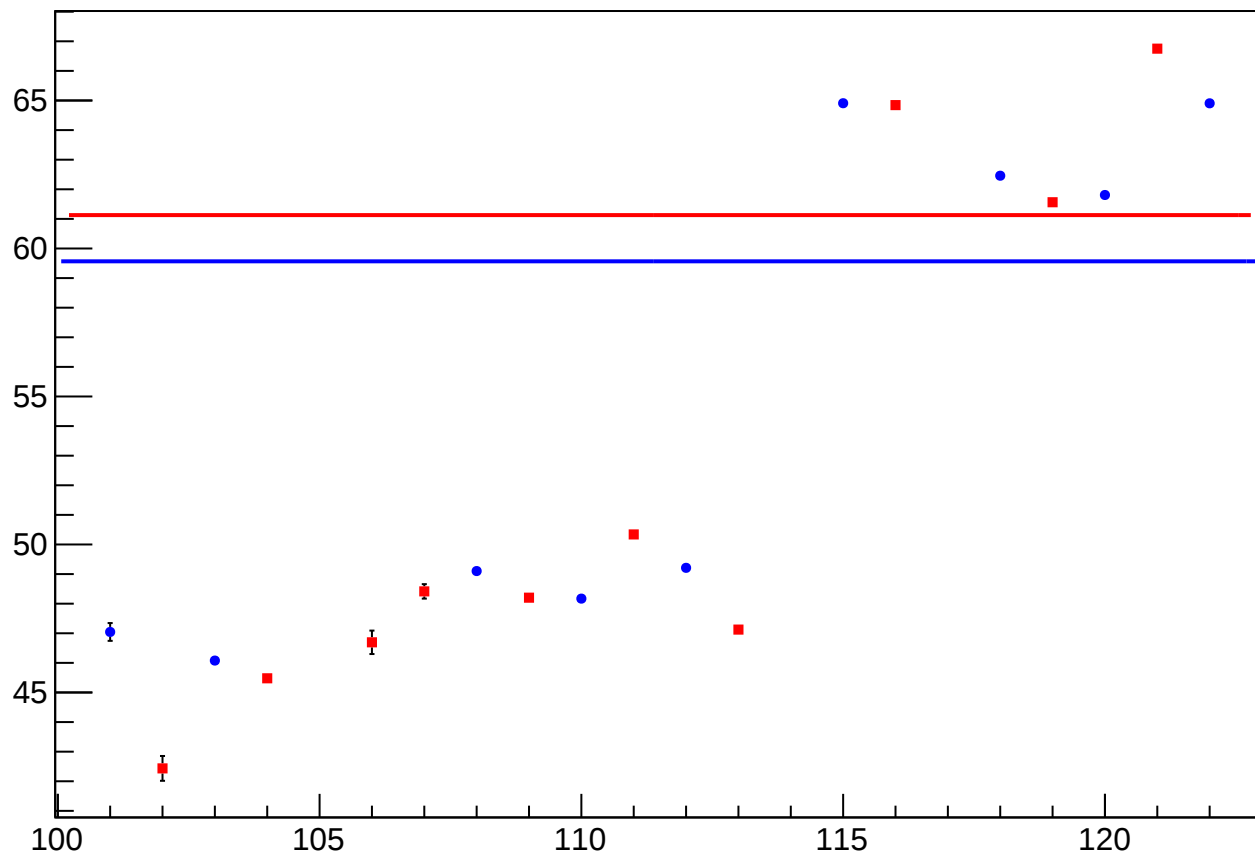
Right: -51.641+/-0.006  $\chi^2/\text{NDF}$ : 11286.8/18

In: -51.369+/-0.009  $\chi^2/\text{NDF}$ : 5984.1/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -51.641+/-0.006  $\chi^2/\text{NDF}$ : 11286.8/18

# dit\_sam8\_4eY\_slope vs Slug, Sign Corrected



Right In: 59.566+/-0.020  $\chi^2/\text{NDF}$ : 108407.4/8

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 61.128+/-0.012  $\chi^2/\text{NDF}$ : 186264.5/9

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: 60.683+/-0.011  $\chi^2/\text{NDF}$ : 299167.1/18

In: 59.566+/-0.020  $\chi^2/\text{NDF}$ : 108407.4/8

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 60.683+/-0.011  $\chi^2/\text{NDF}$ : 299167.1/18

# 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  $\chi^2/\text{NDF}$ : 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

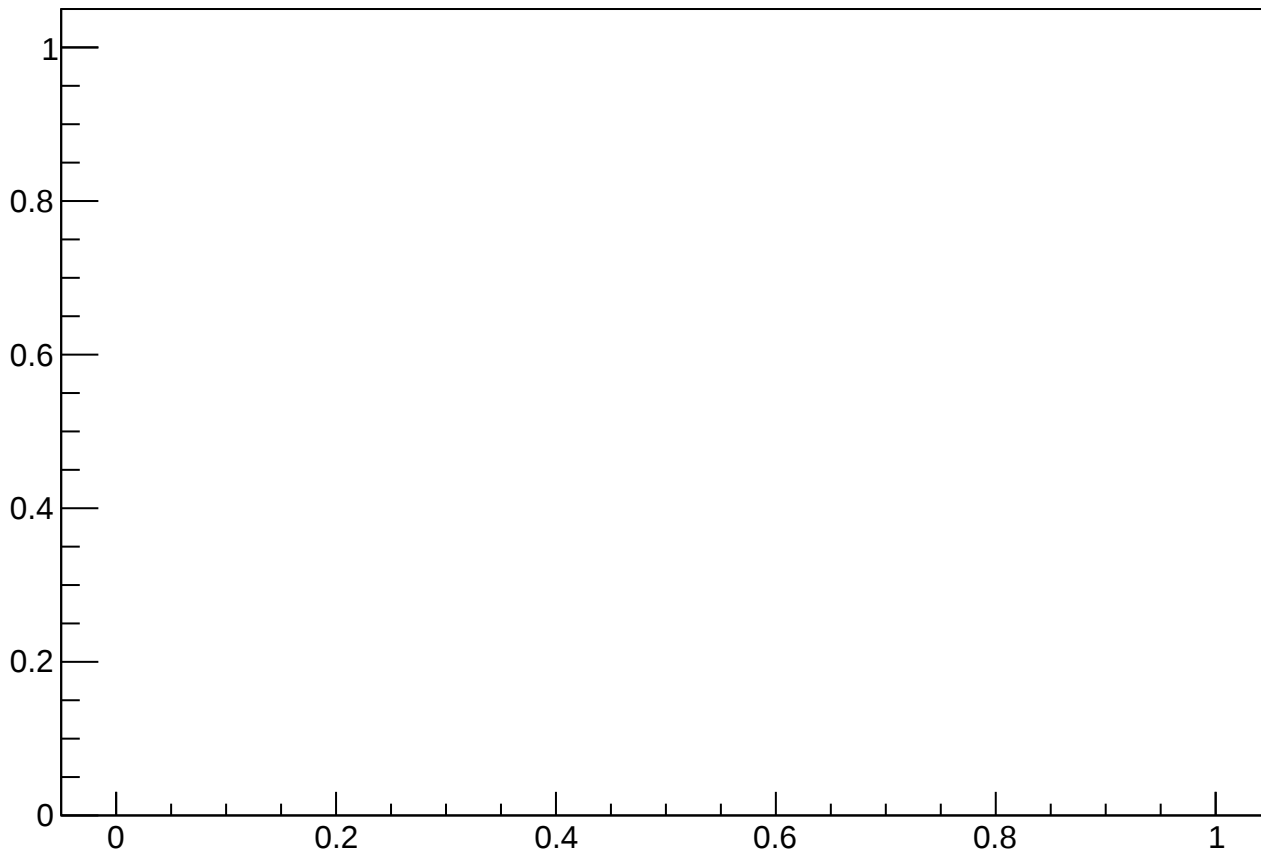
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_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\_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\_4eX\_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\_4eX\_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\_11X12X\_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\_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     $\chi^2/\text{NDF}$ : 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\_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

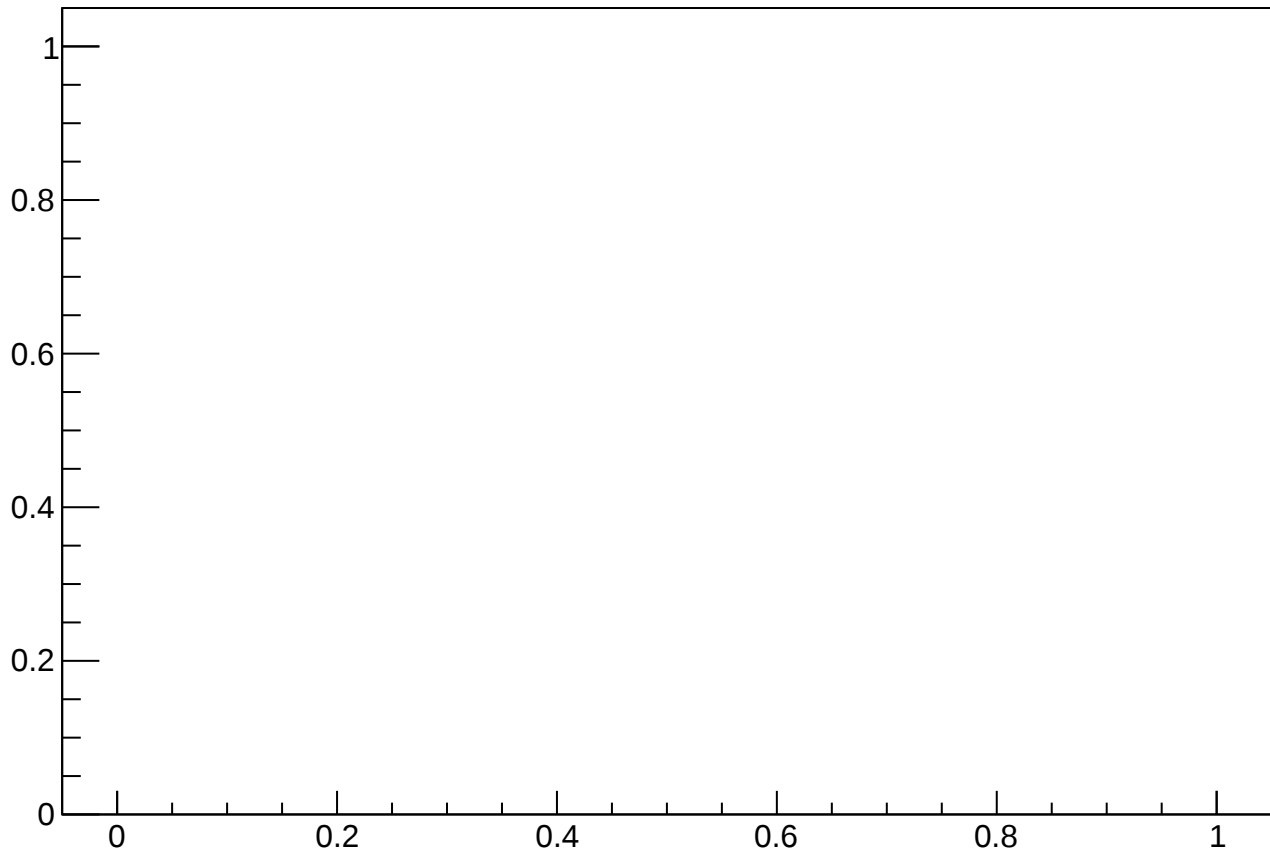
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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  $\chi^2/\text{NDF}$ : 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\_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     $\chi^2/\text{NDF}$ : 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\_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\_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\_usl\_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\_usl\_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\_usr\_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\_usr\_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\_usr\_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\_atl1\_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\_atl1\_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\_atl1\_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\_atl2\_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\_atl2\_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\_atl2\_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\_atr1\_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\_atr1\_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\_atr1\_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\_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     $\chi^2/\text{NDF}$ : 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\_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\_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

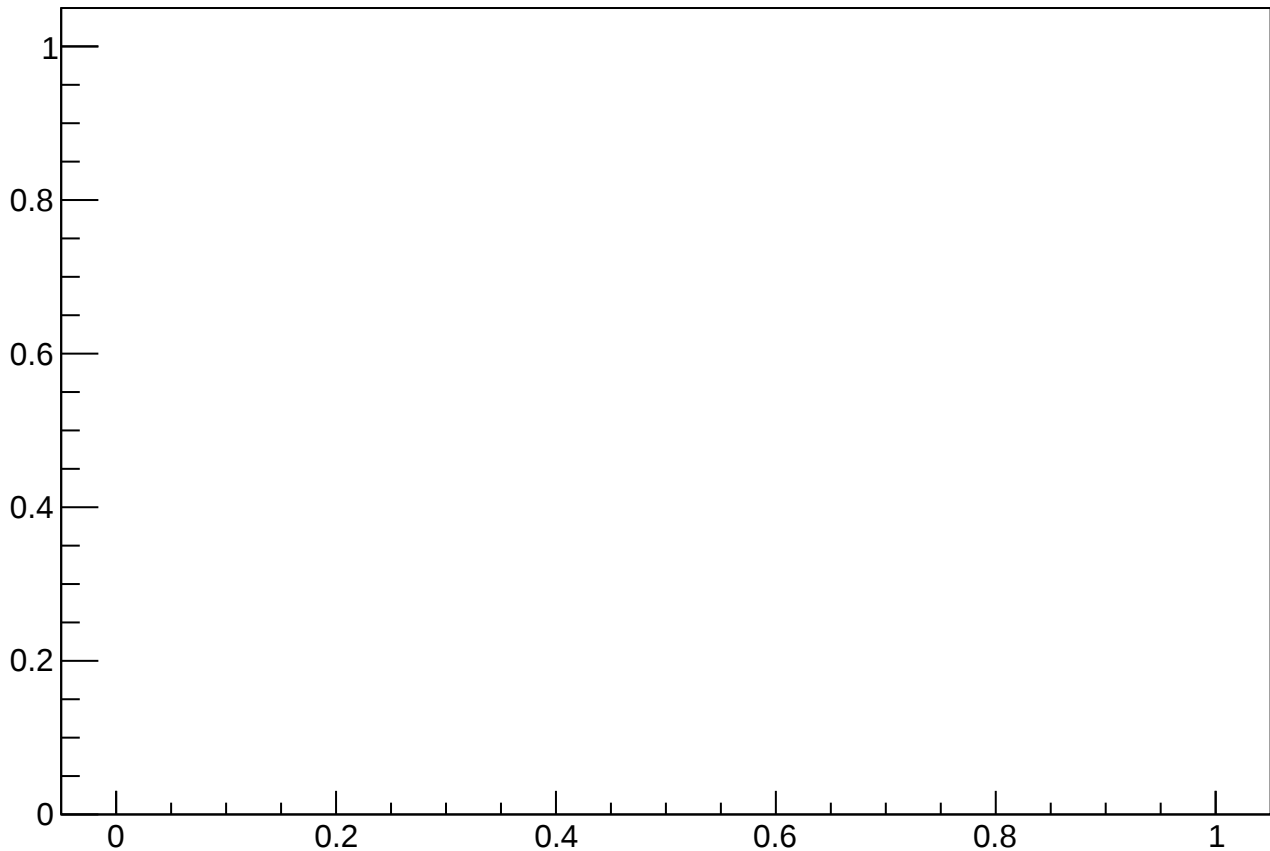
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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\_sam2\_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

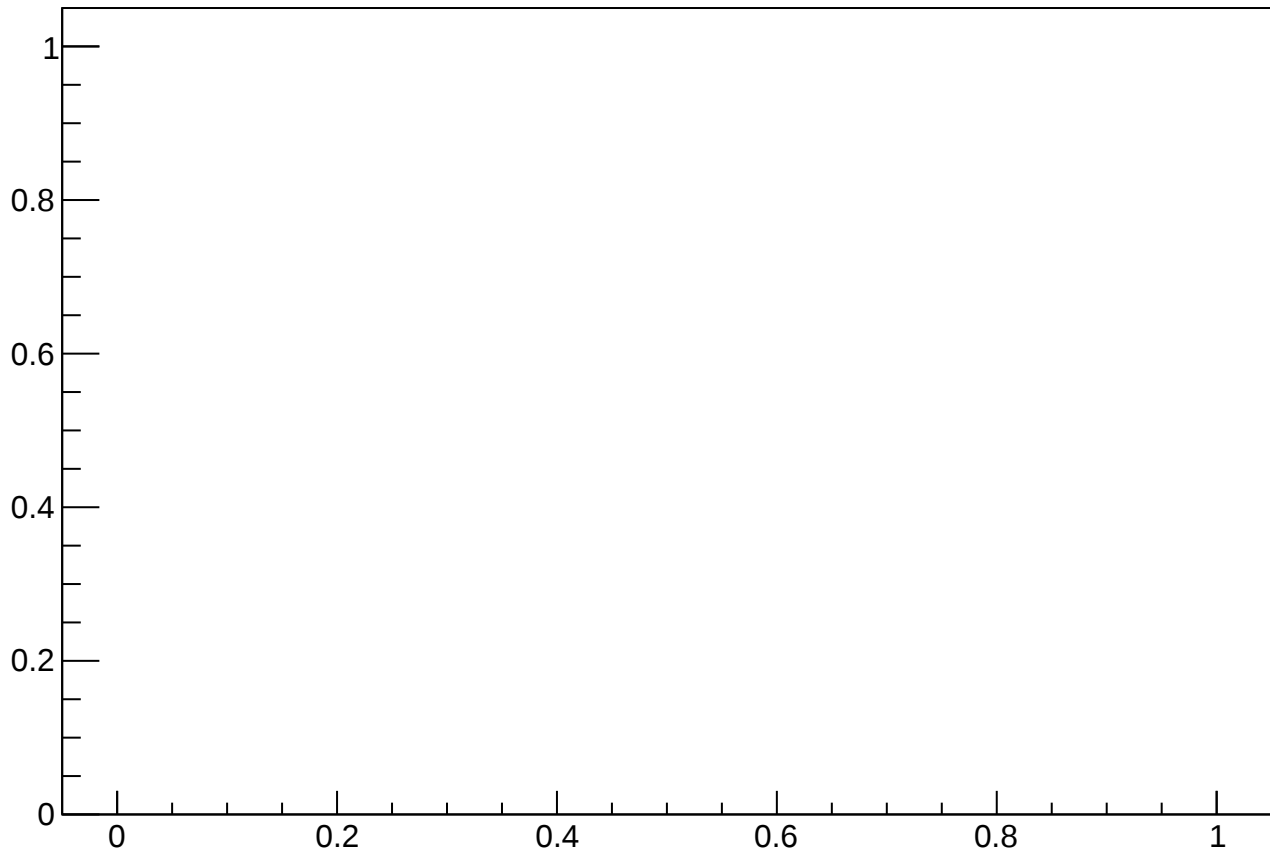
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_sam2\_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\_sam2\_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

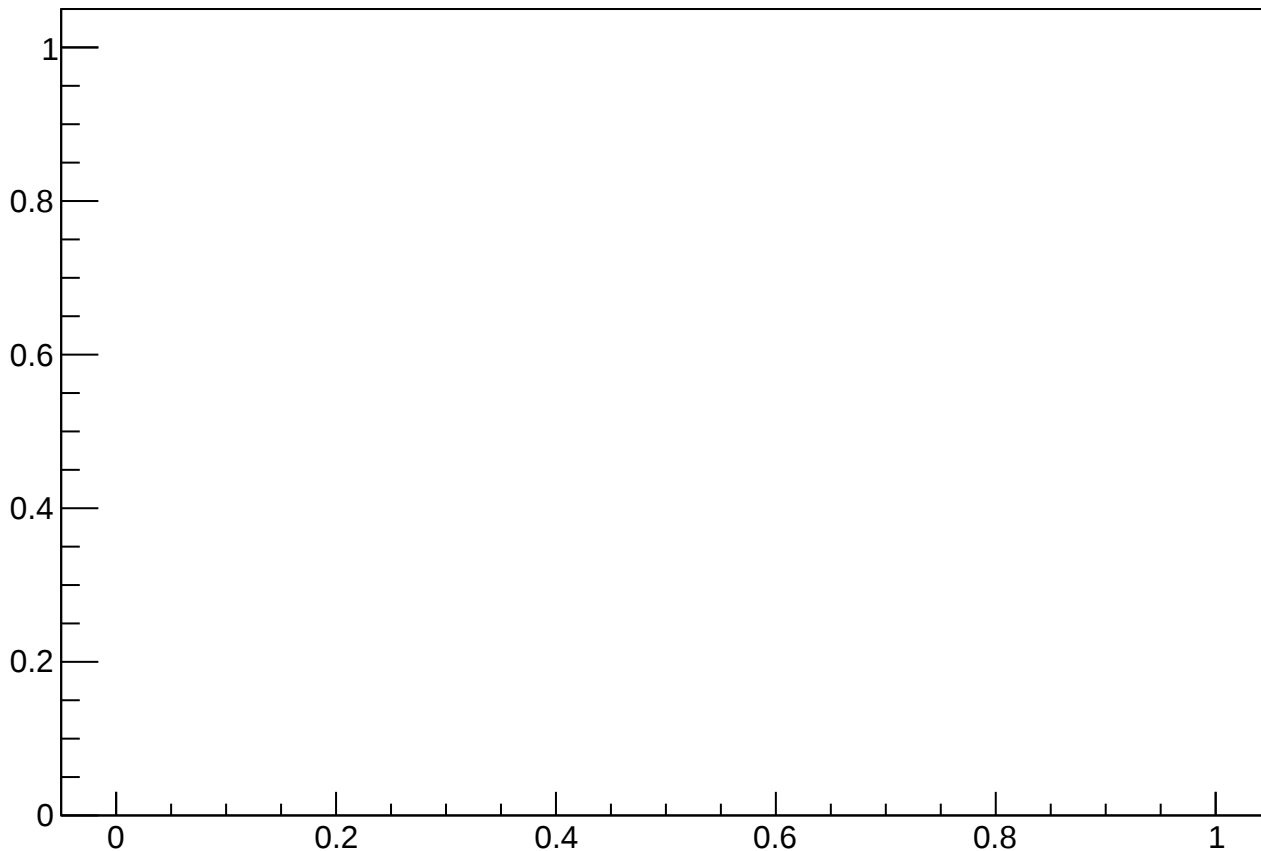
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_sam3\_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\_sam3\_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\_sam3\_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\_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  $\chi^2/\text{NDF}$ : 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\_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

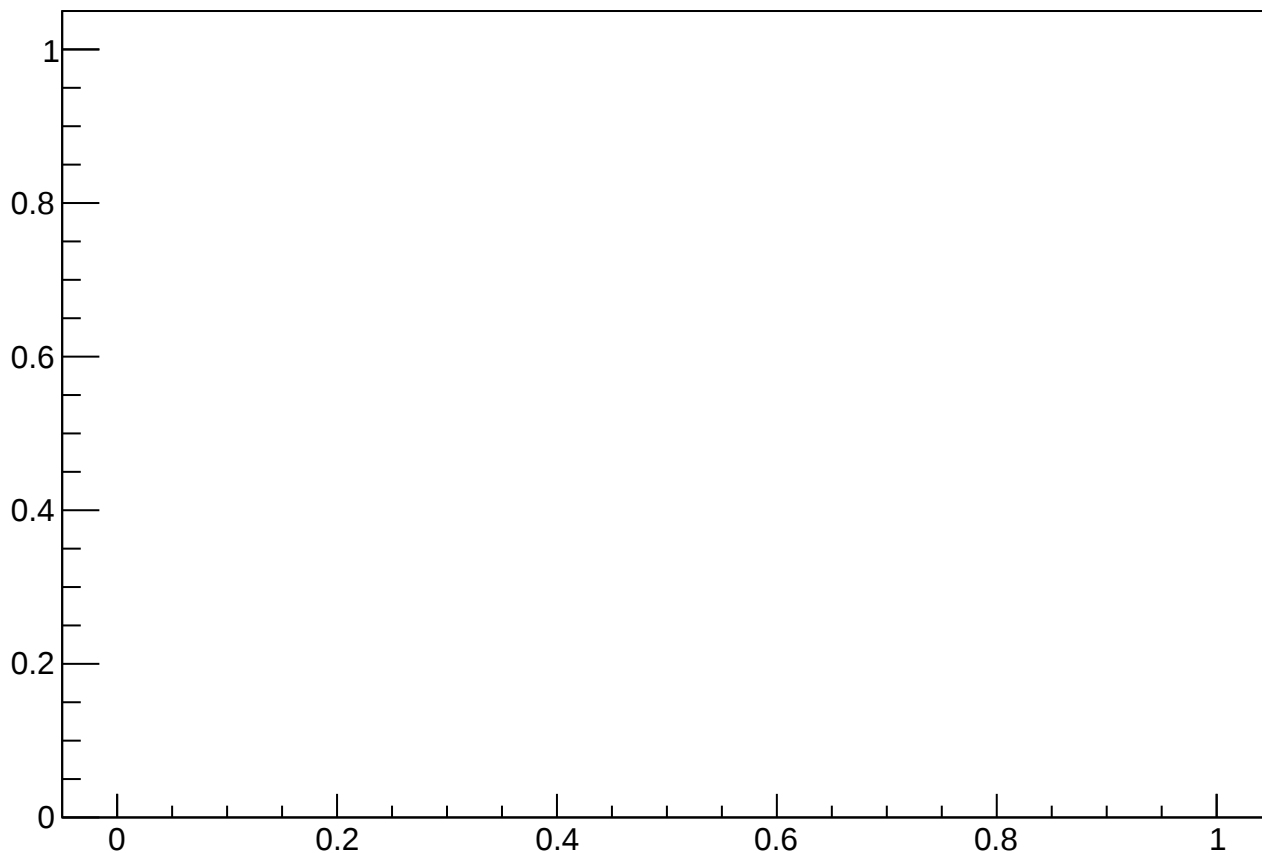
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_sam5\_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\_sam5\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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\_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     $\chi^2/\text{NDF}$ : 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

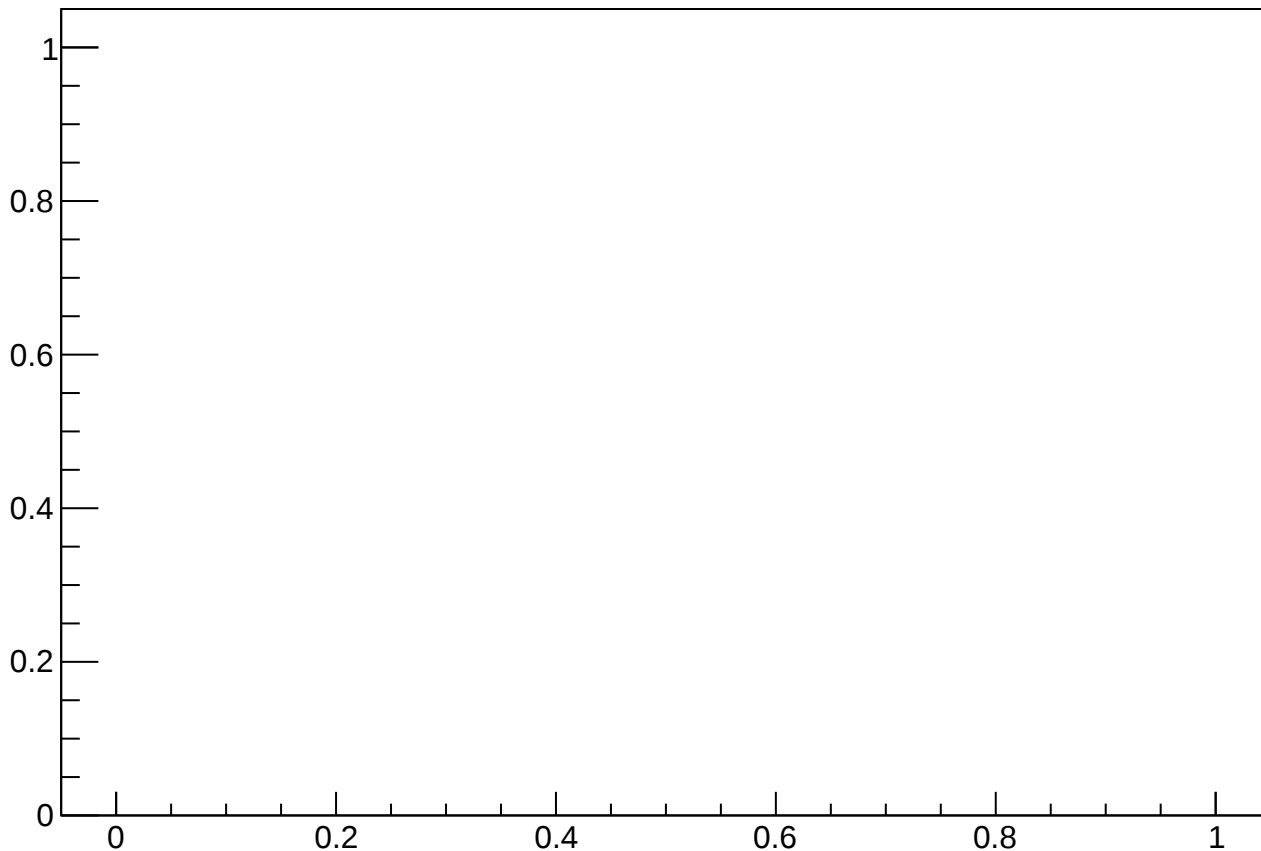
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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\_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\_sam8\_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\_sam8\_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\_4aX\_coil3\_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\_coil3\_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\_4aX\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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

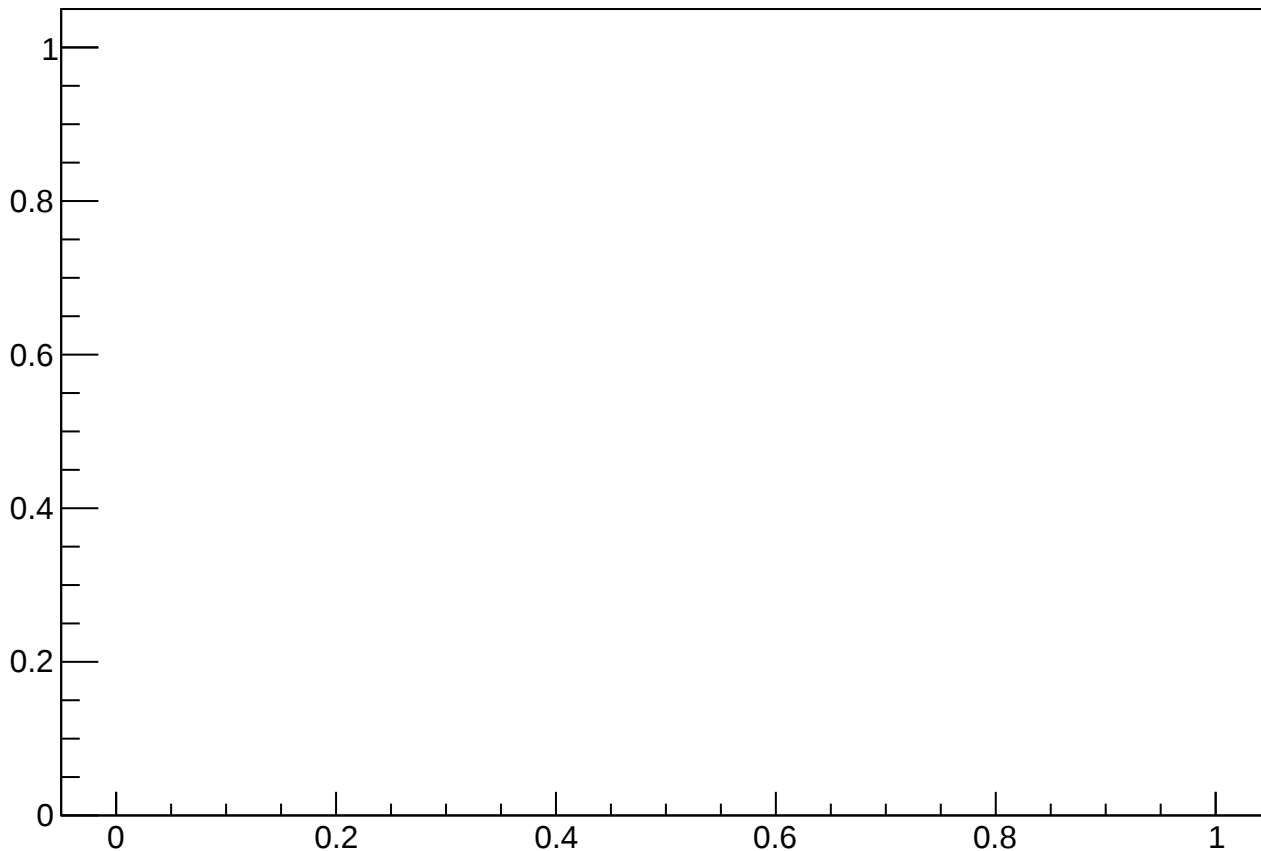
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_11X12X\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_usr\_coil3\_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\_coil3\_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\_usr\_coil3\_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\_atl1\_coil3\_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

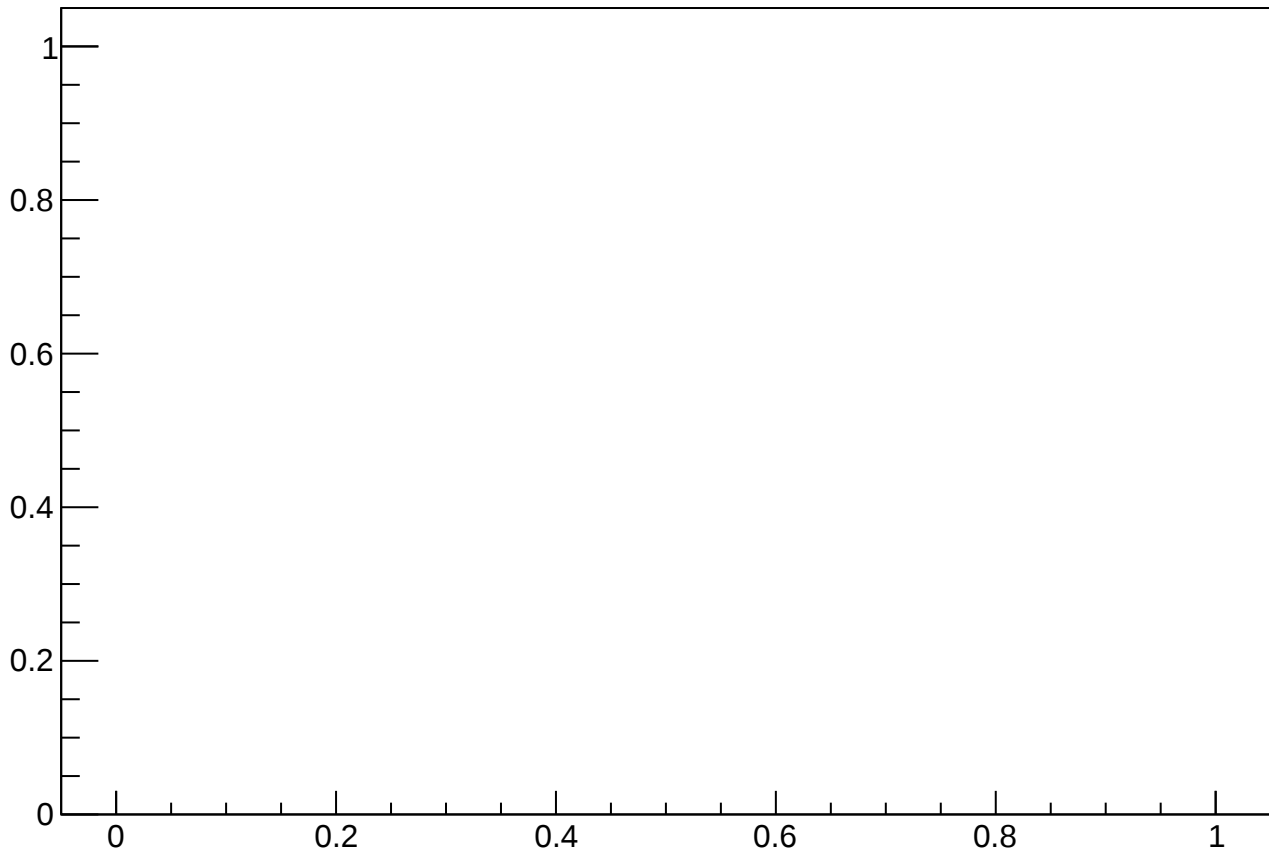
Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

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\_coil3\_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\_coil3\_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\_coil3\_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

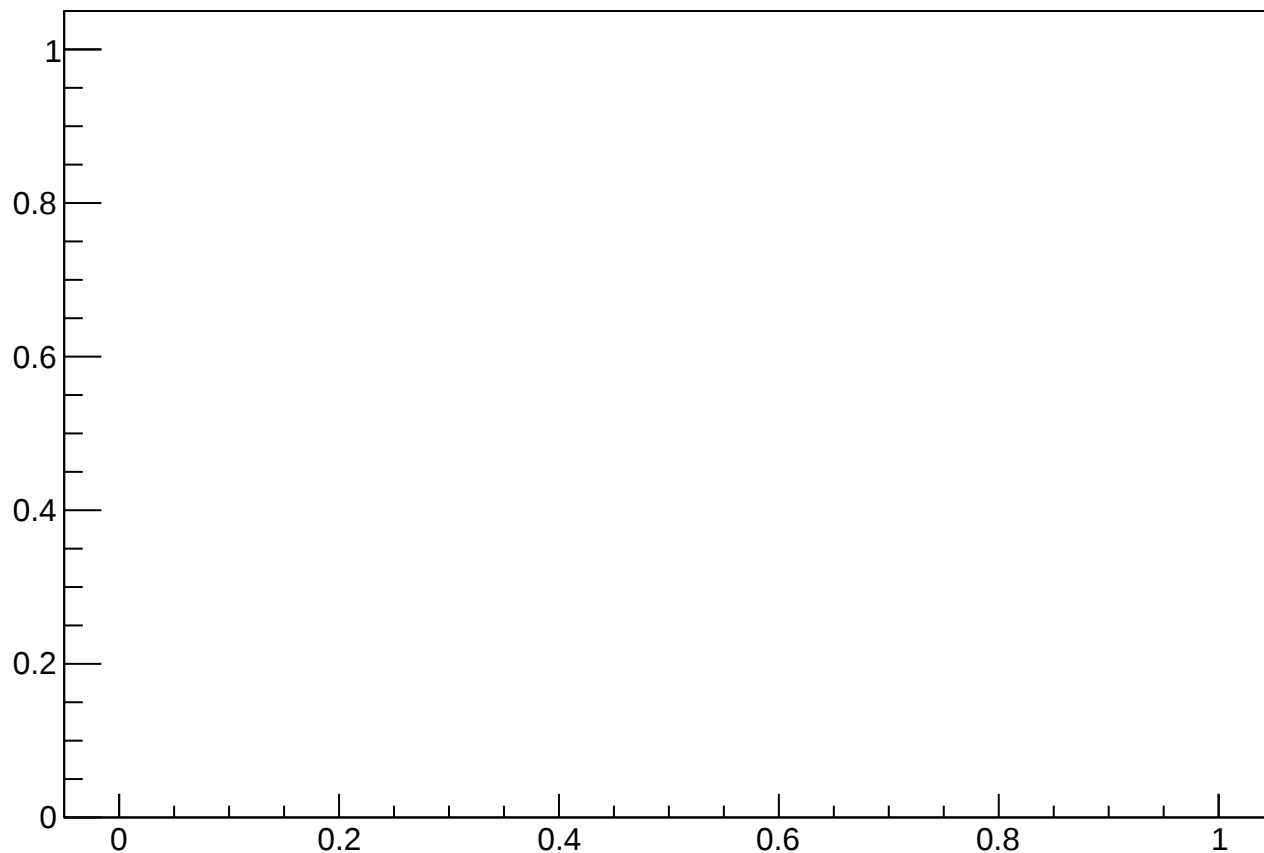
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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\_coil3\_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\_atl2\_coil3\_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\_atr1\_coil3\_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\_coil3\_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\_coil3\_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\_atr2\_coil3\_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\_coil3\_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\_coil3\_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

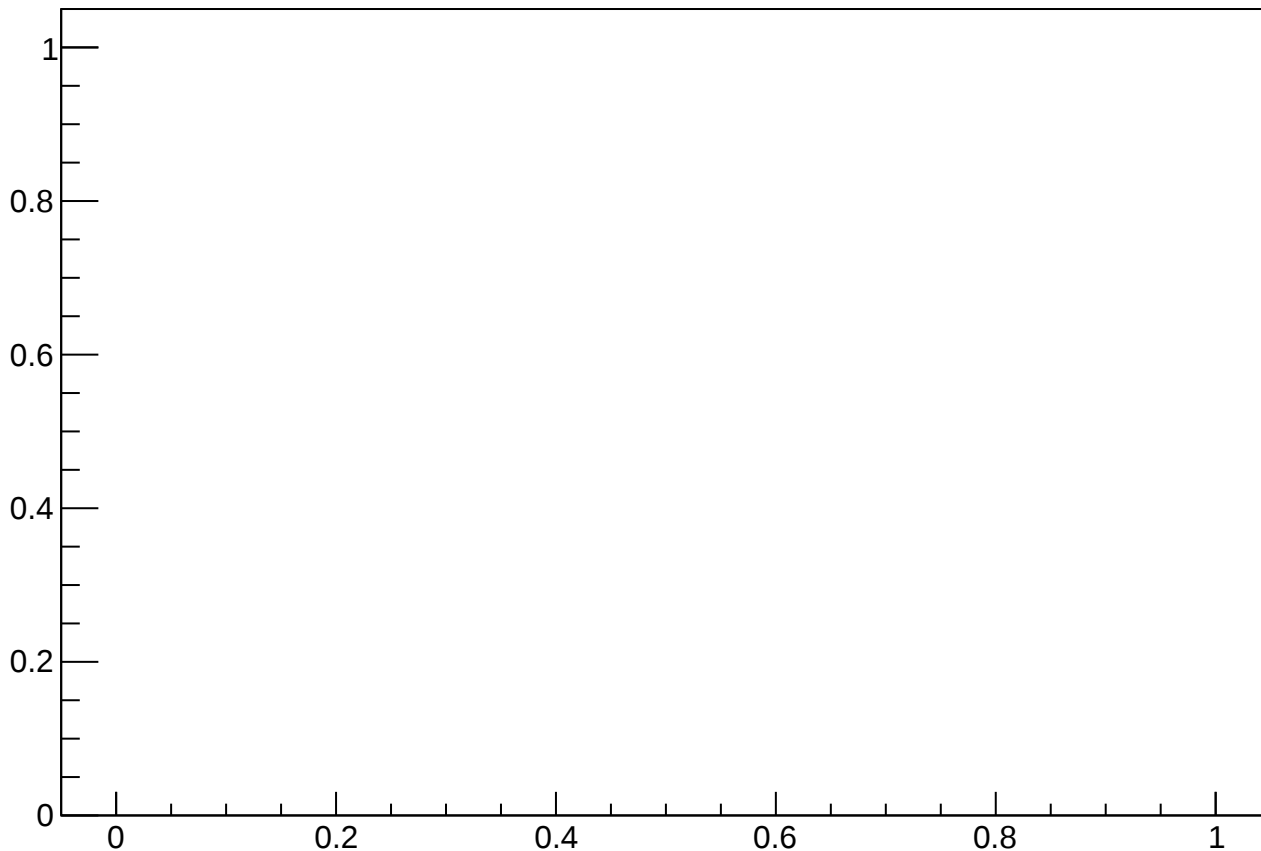
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_sam2\_coil3\_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\_sam3\_coil3\_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\_coil3\_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\_sam3\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_sam5\_coil3\_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\_coil3\_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\_coil3\_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\_sam6\_coil3\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam6\_coil3\_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\_sam6\_coil3\_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\_coil3\_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\_coil3\_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\_coil3\_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\_sam8\_coil3\_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\_coil3\_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\_coil3\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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     $\chi^2/\text{NDF}$ : 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\_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\_11X12X\_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\_11X12X\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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\_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

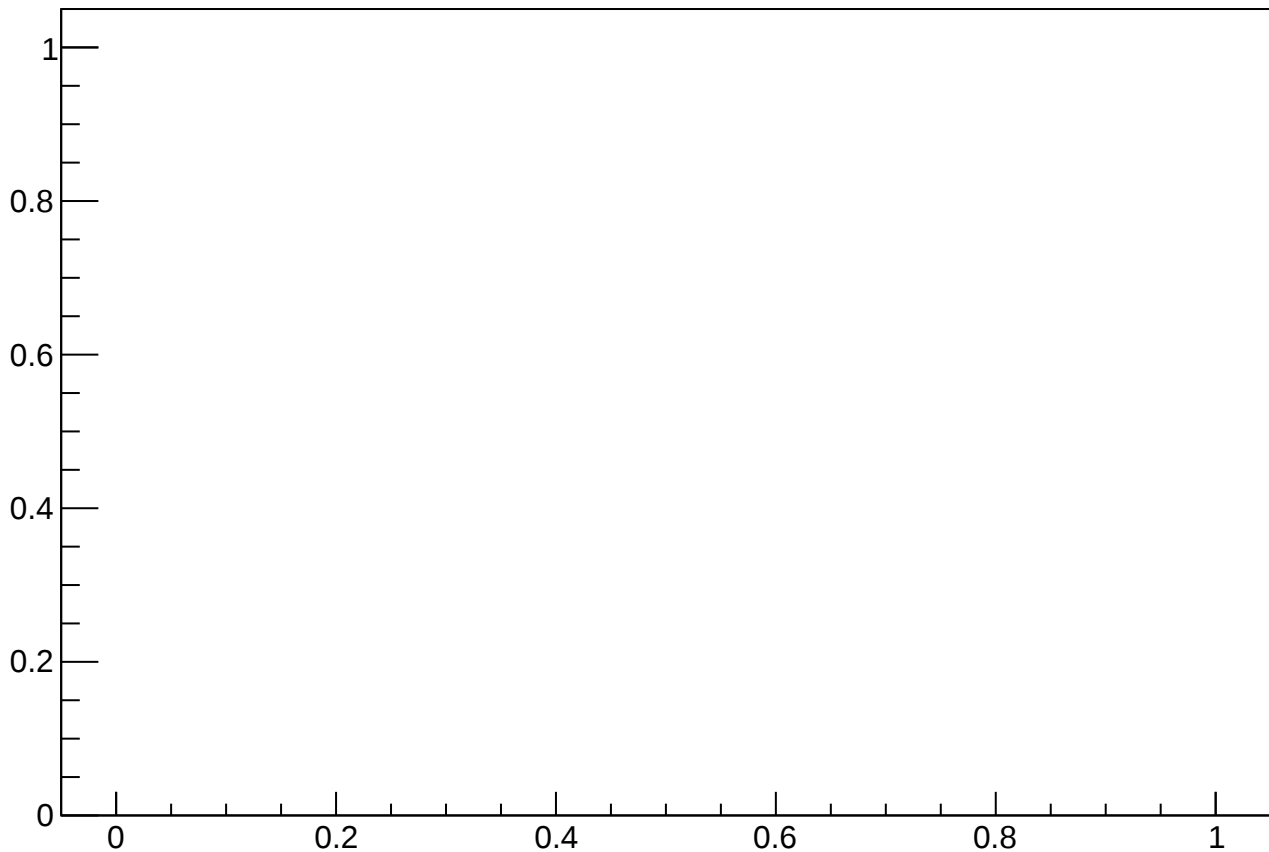
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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  $\chi^2/\text{NDF}$ : 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\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_usr\_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\_usr\_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\_atl1\_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\_atl1\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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

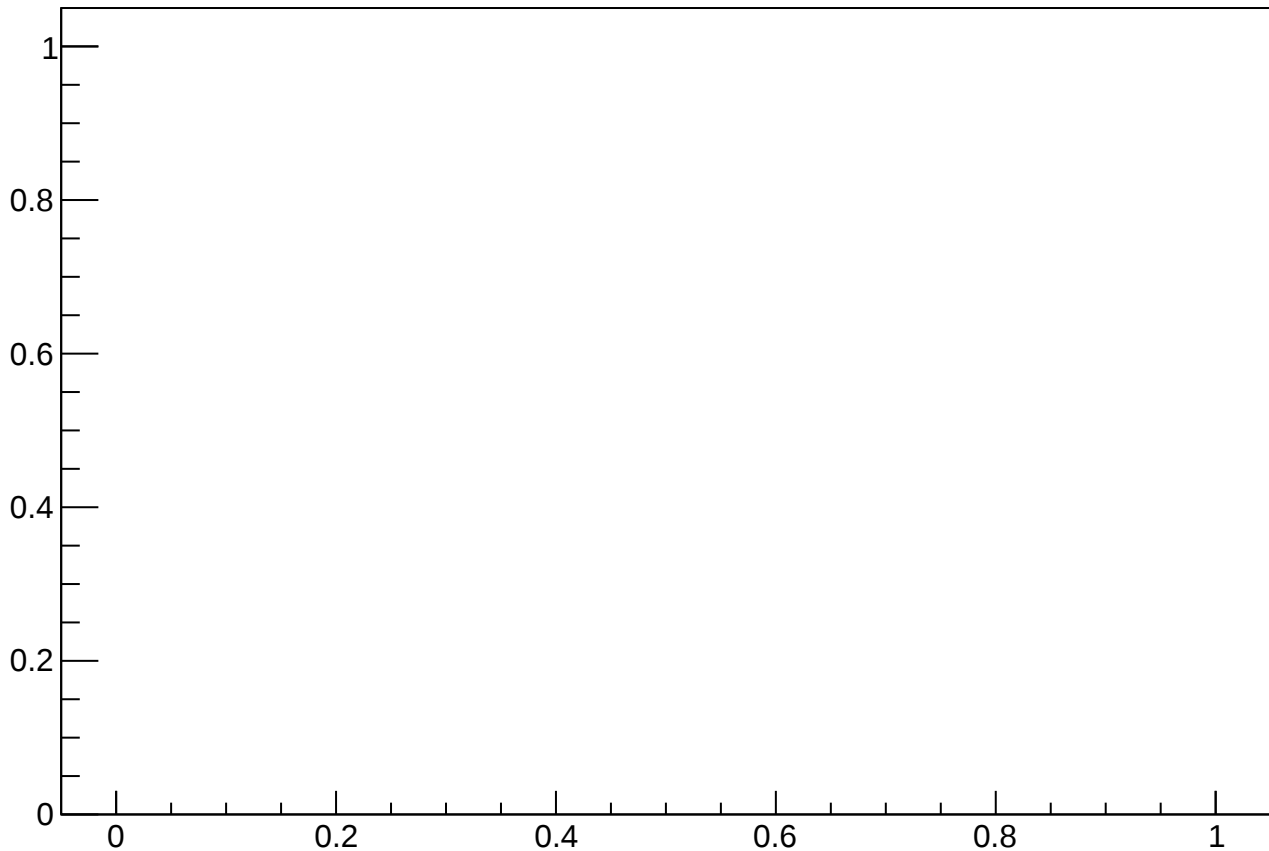
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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  $\chi^2/\text{NDF}$ : 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\_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

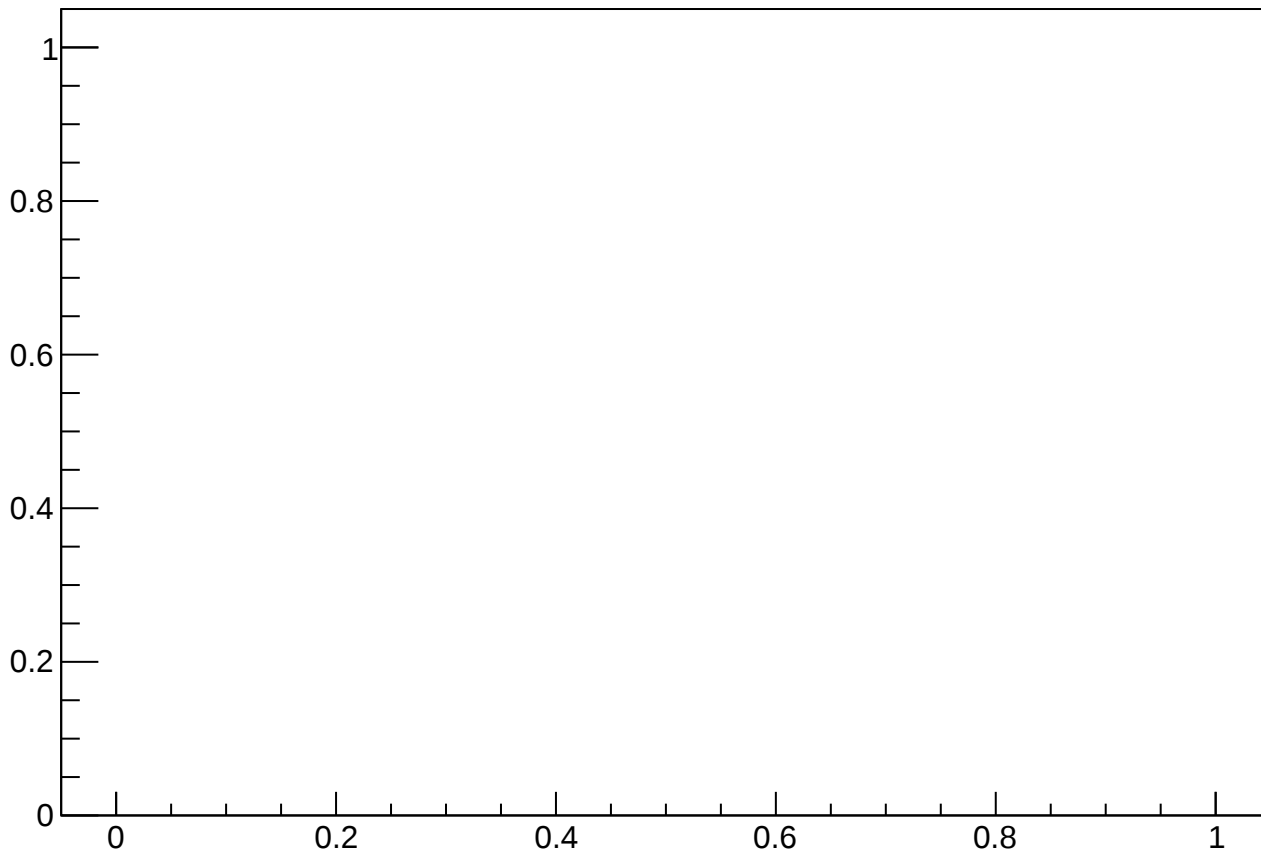
dit\_atr2\_coil7\_Ndata\_mean vs Slug, Sign Corrected



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  $\chi^2/\text{NDF}$ : 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\_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\_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  $\chi^2/\text{NDF}$ : 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

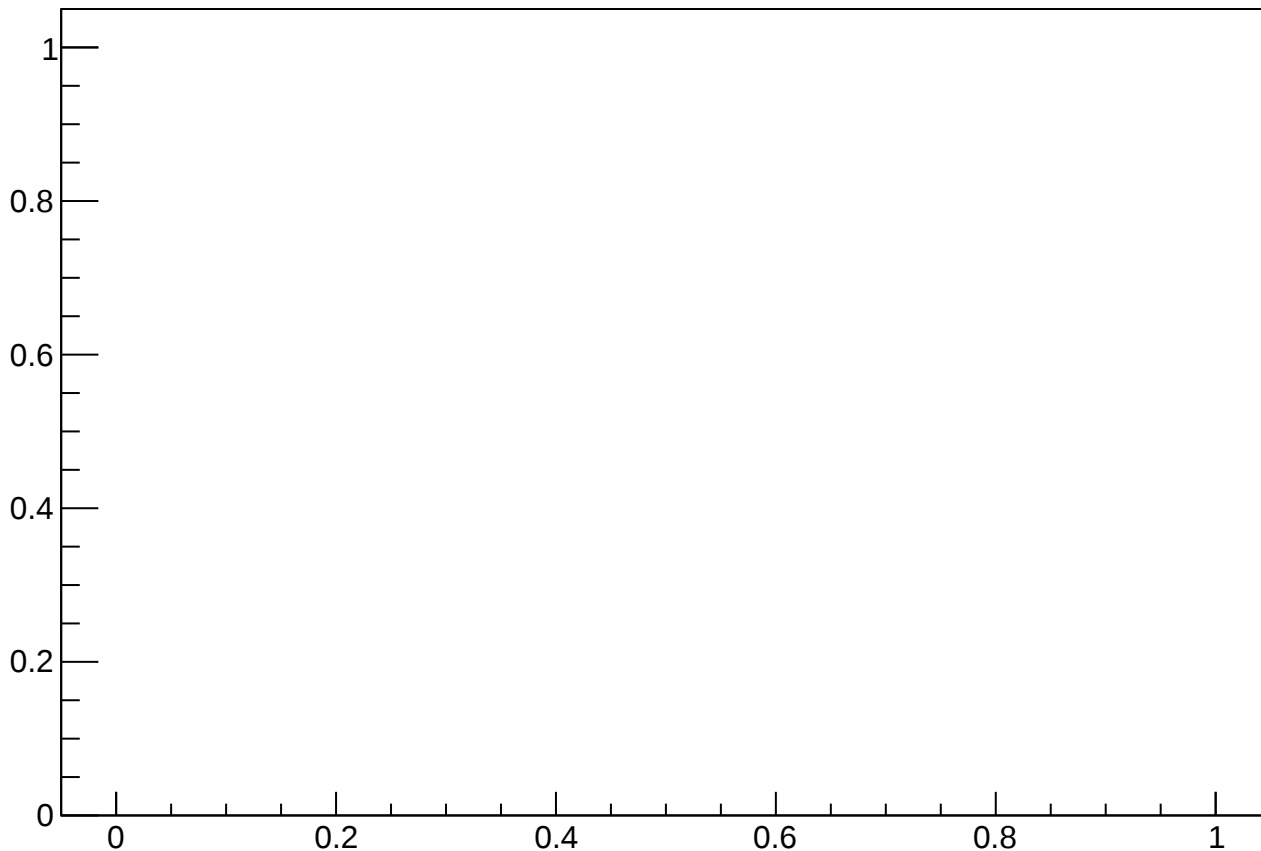
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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  $\chi^2/\text{NDF}$ : 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\_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

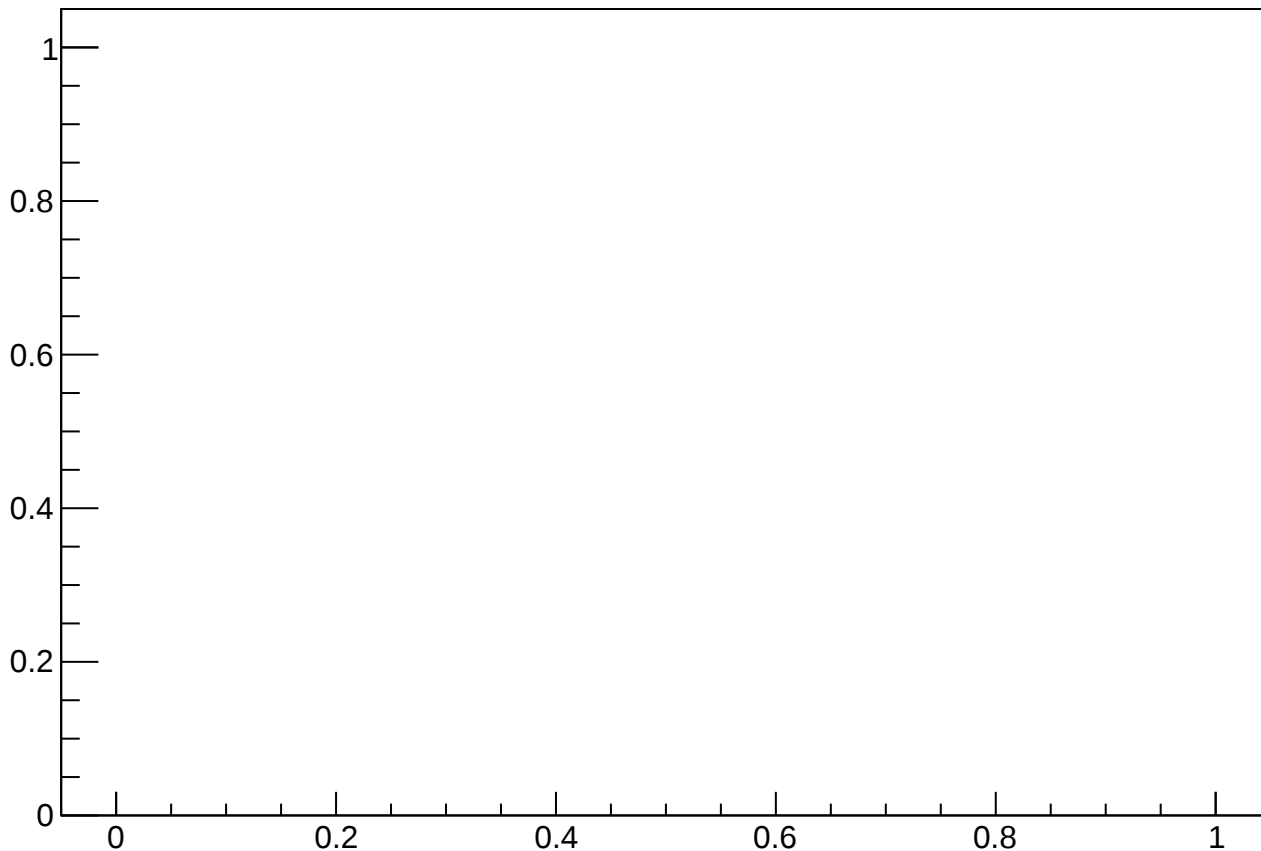
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_sam5\_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\_sam5\_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\_sam5\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_coil7\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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

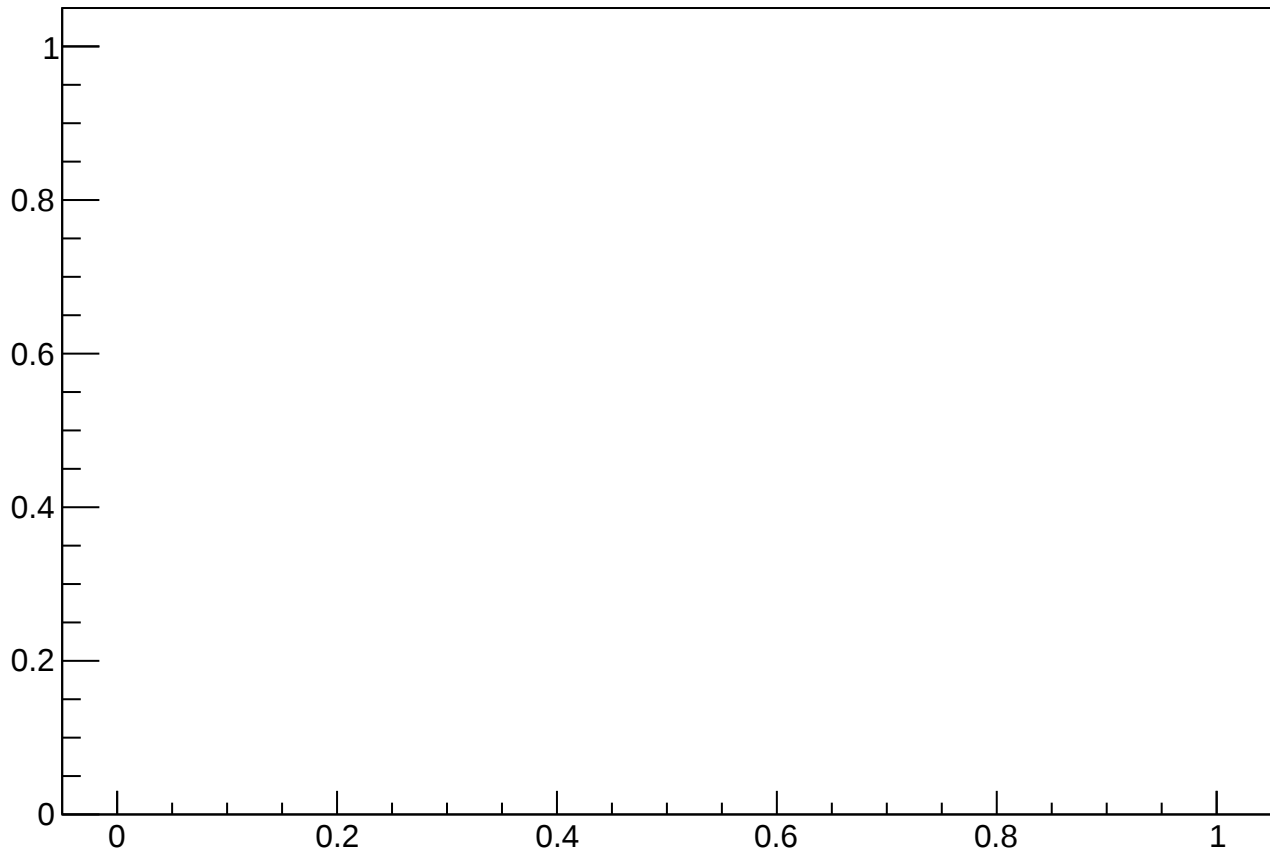
Right: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam7\_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\_sam7\_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\_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  $\chi^2/\text{NDF}$ : 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

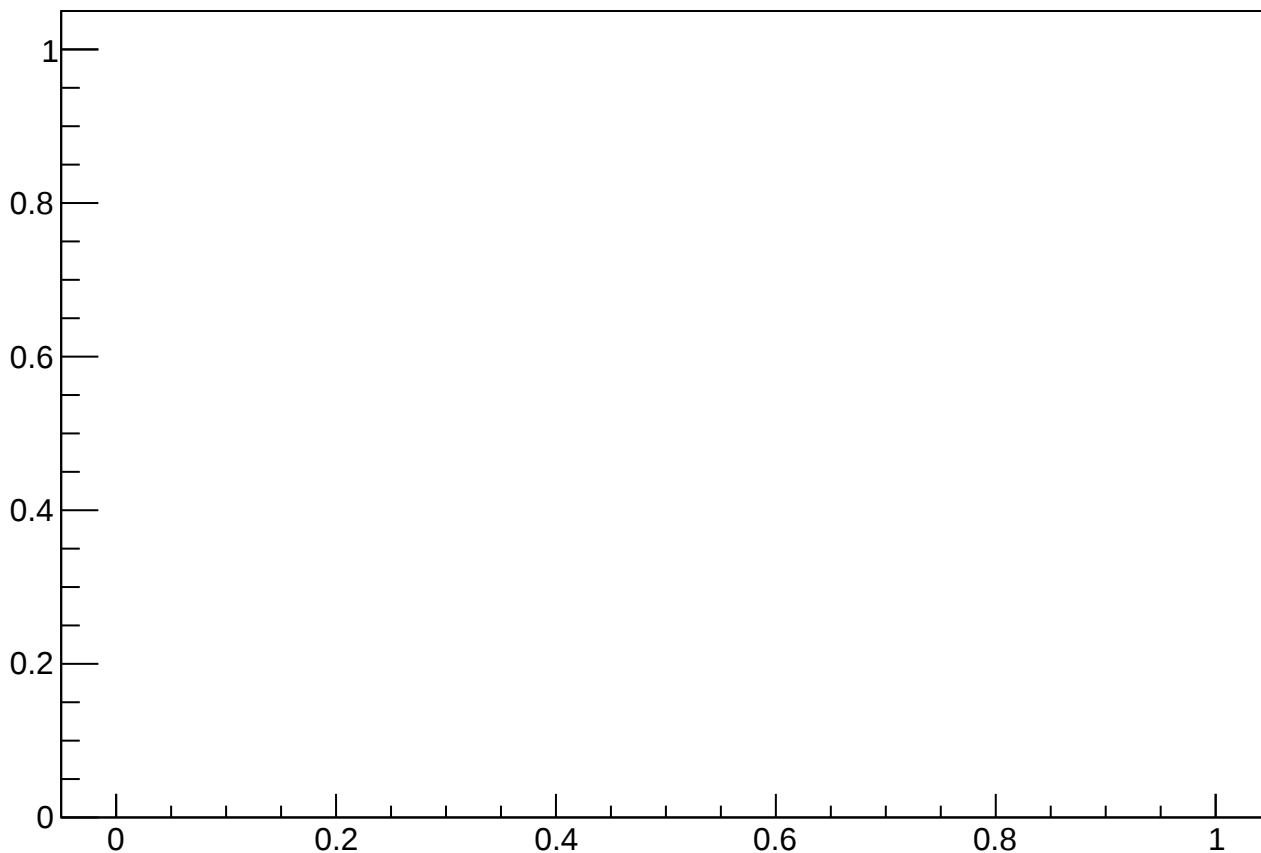
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_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\_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\_4aX\_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\_4aX\_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\_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     $\chi^2/\text{NDF}$ : 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\_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  $\chi^2/\text{NDF}$ : 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\_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\_4aY\_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

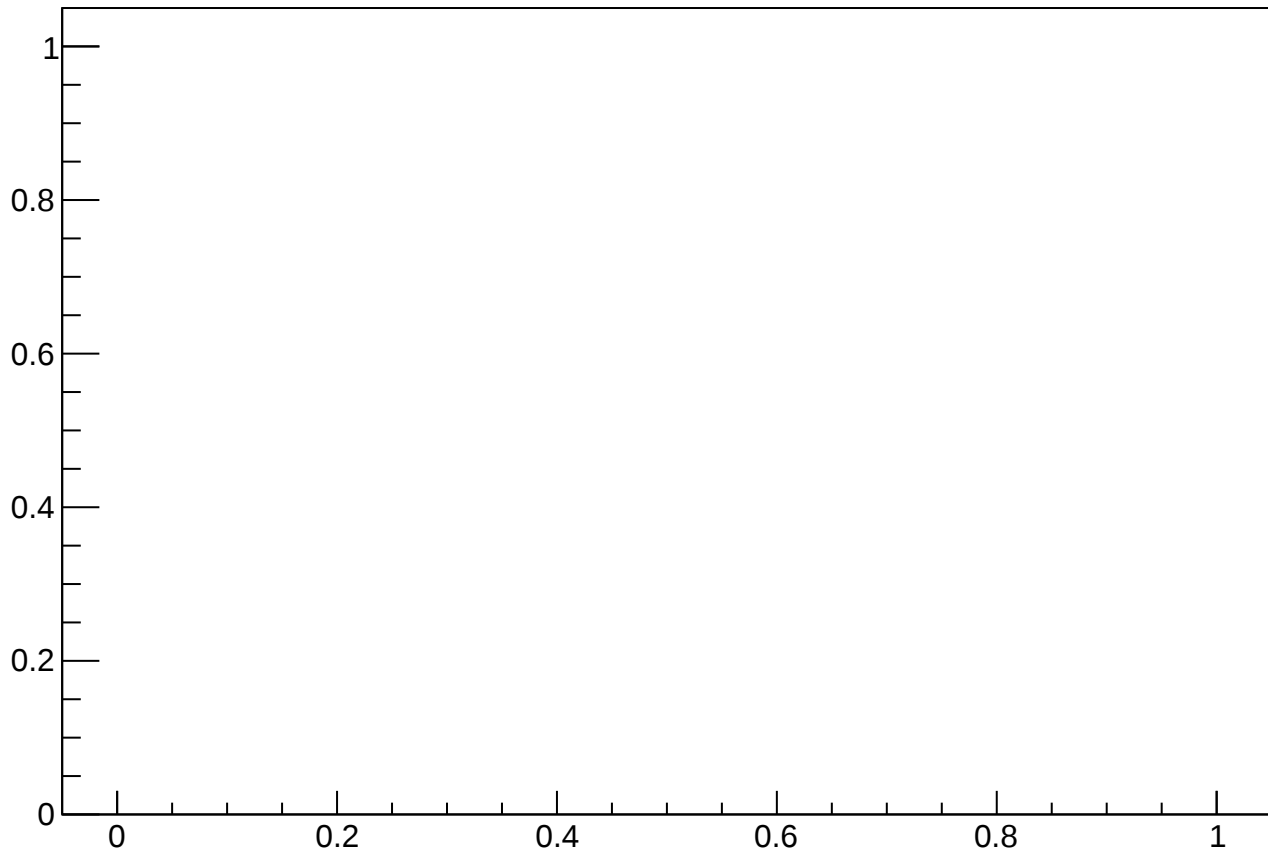
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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\_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  $\chi^2/\text{NDF}$ : 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

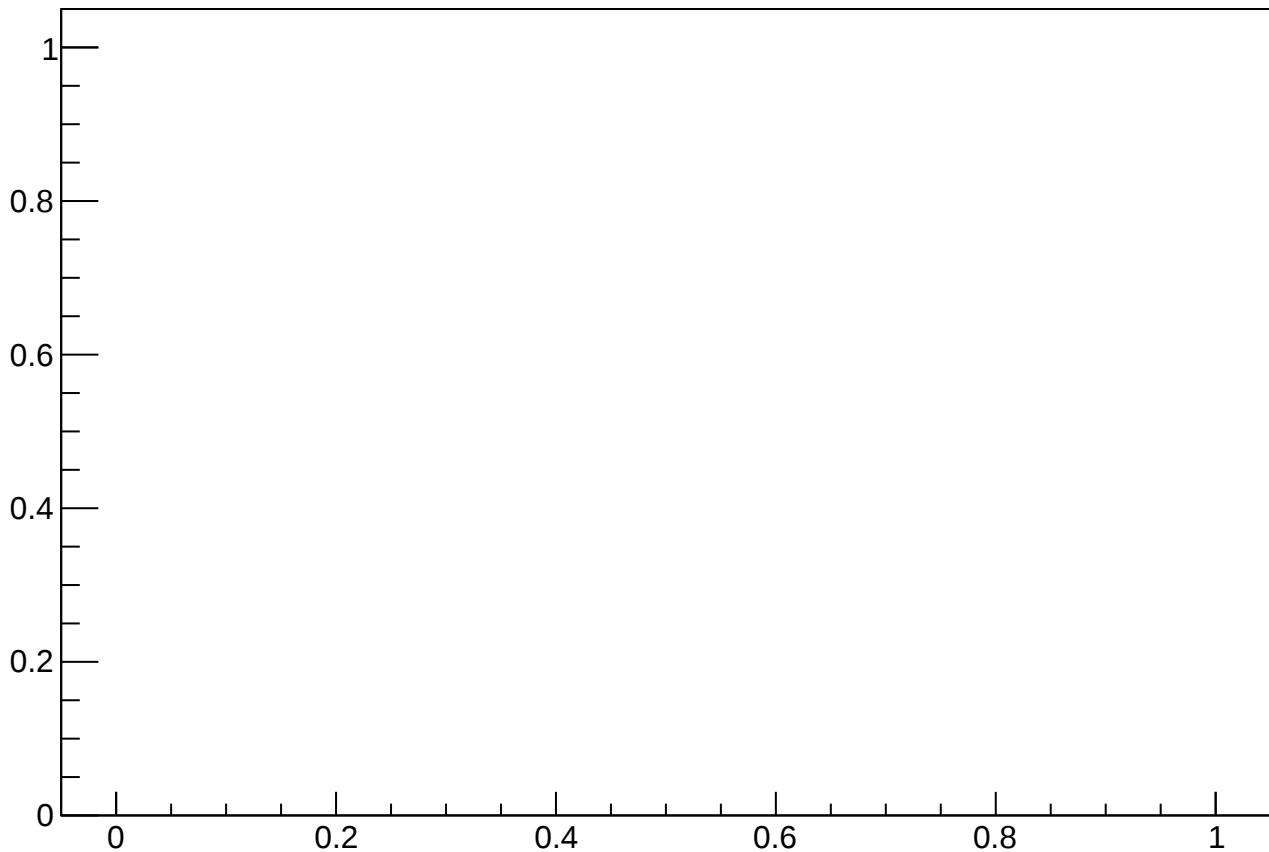
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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  $\chi^2/\text{NDF}$ : 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\_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     $\chi^2/\text{NDF}$ : 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\_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\_atr1\_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\_atr1\_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\_atr1\_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\_atr2\_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\_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     $\chi^2/\text{NDF}$ : 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\_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\_sam1\_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\_sam1\_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\_sam2\_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\_sam2\_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\_sam2\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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\_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     $\chi^2/\text{NDF}$ : 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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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

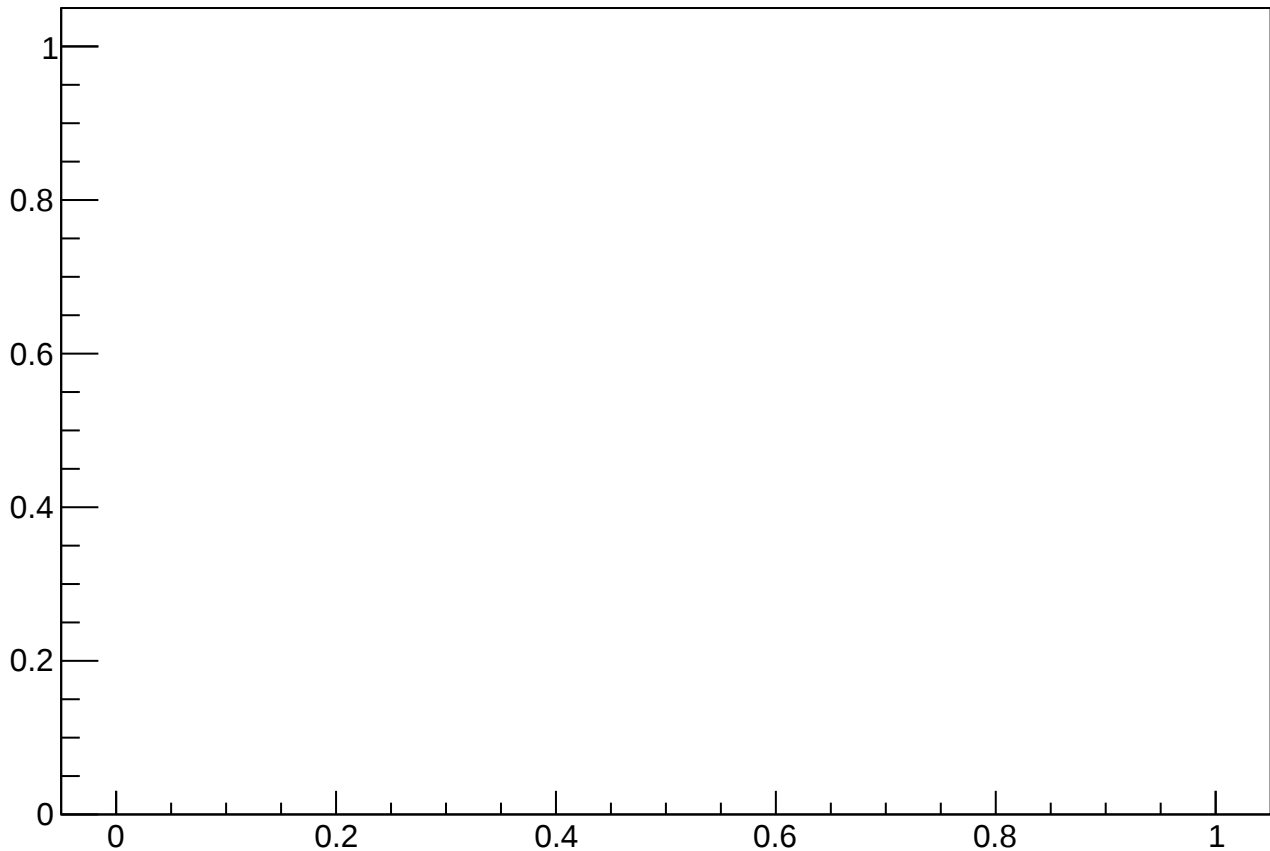
Right: 0.000+/-0.000     $\chi^2$ /NDF: 0.0/0

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  $\chi^2/\text{NDF}$ : 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\_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  $\chi^2/\text{NDF}$ : 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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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     $\chi^2$ /NDF: 0.0/0

Left Out: 0.000+/-0.000     $\chi^2$ /NDF:0.0/0

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\_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     $\chi^2/\text{NDF}$ : 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\_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

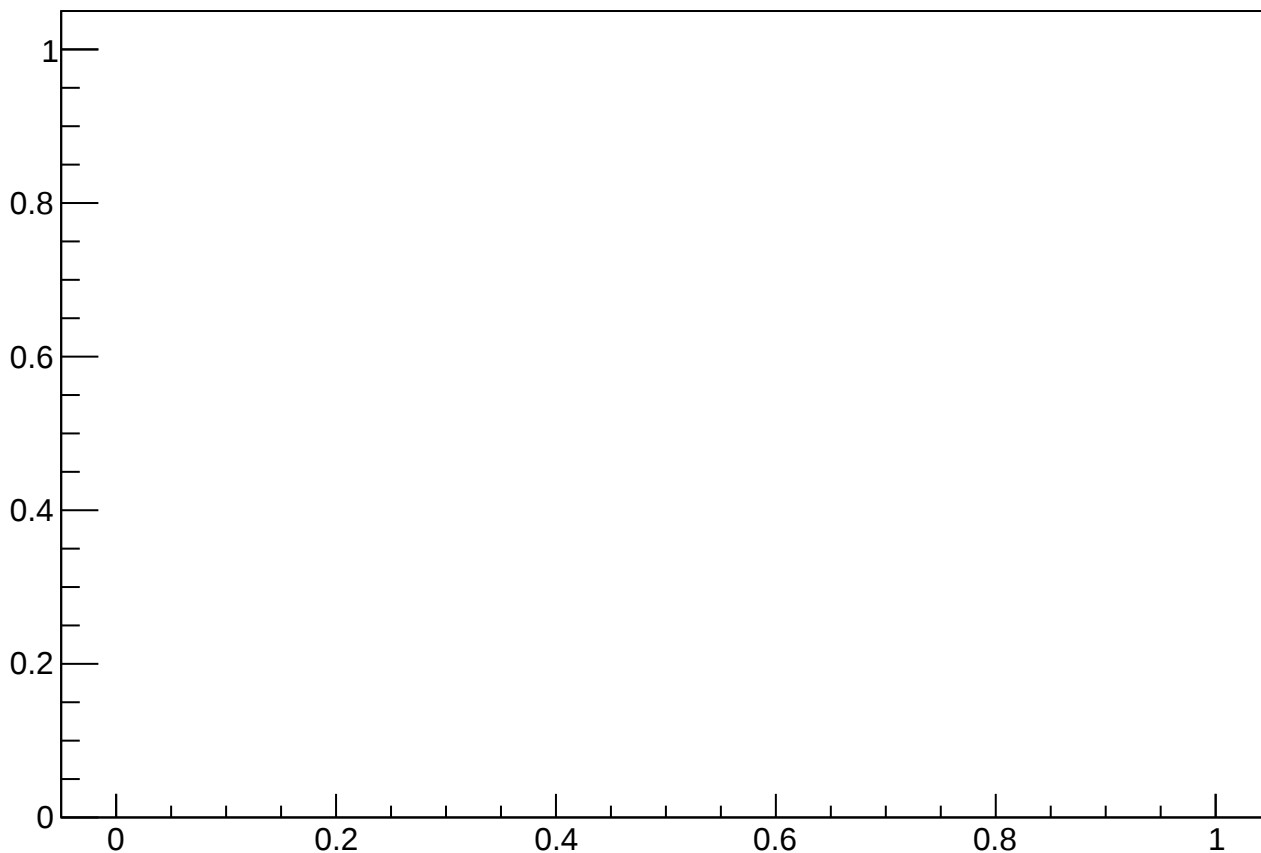
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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\_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  $\chi^2/\text{NDF}$ : 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\_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\_11X12X\_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\_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     $\chi^2/\text{NDF}$ : 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\_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\_4aY\_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\_4aY\_coil6\_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\_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     $\chi^2/\text{NDF}$ : 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\_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

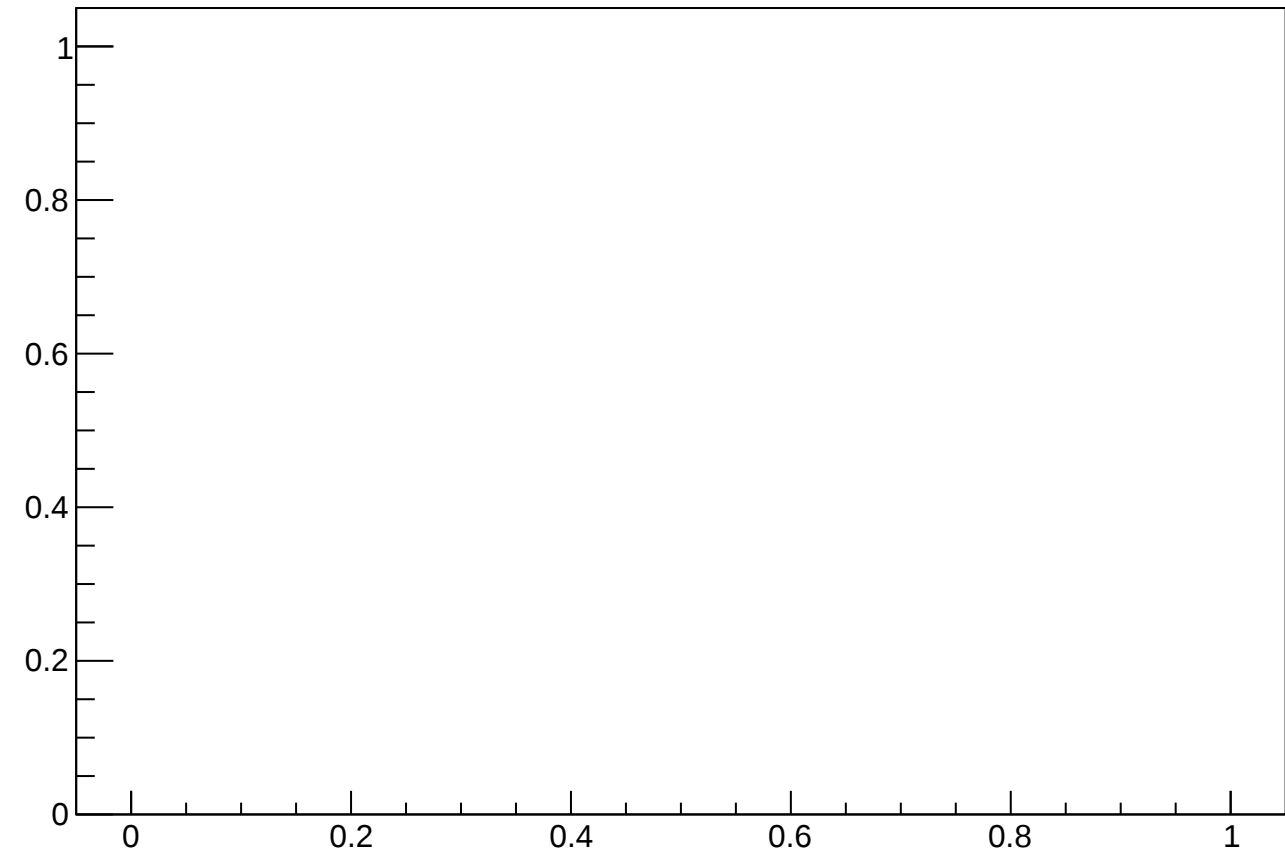
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_usl\_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

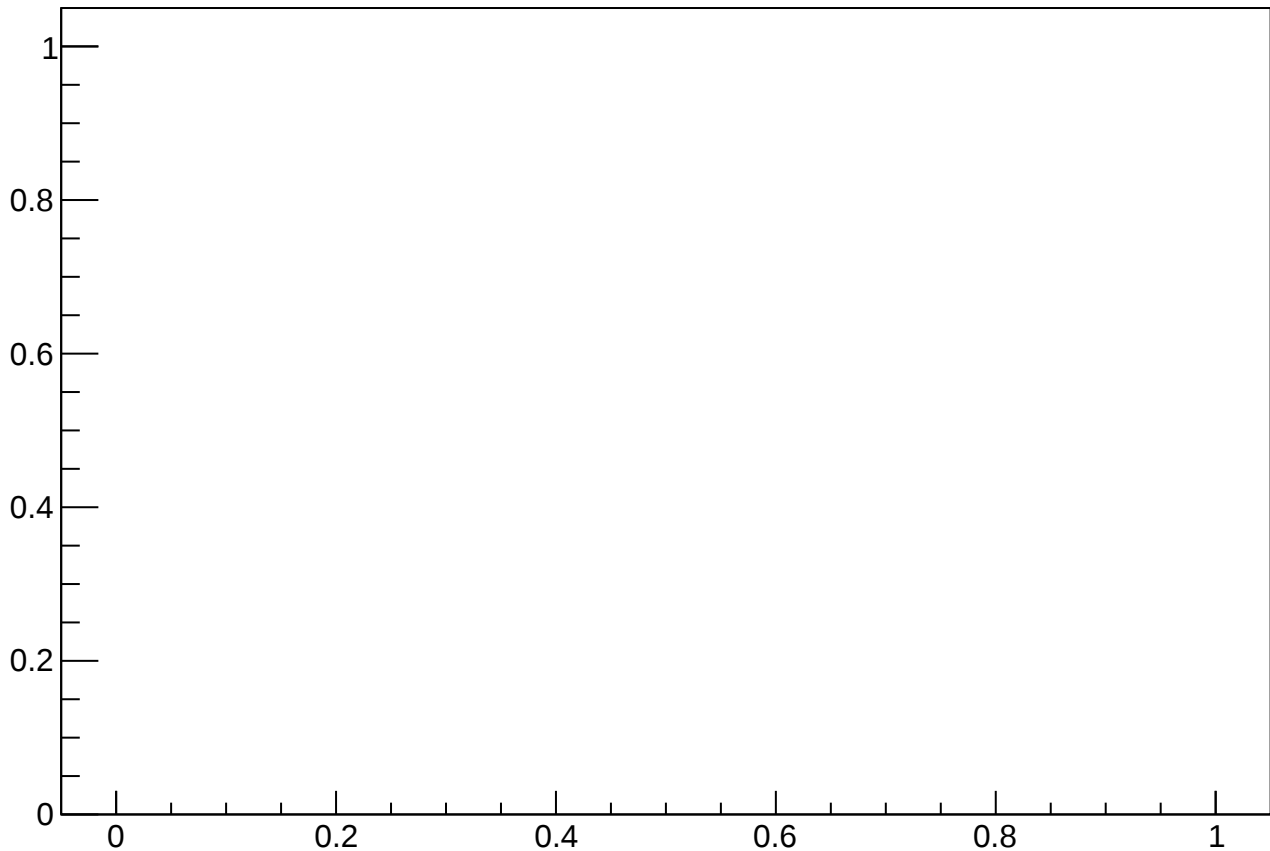
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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\_usl\_coil6\_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\_usr\_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\_usr\_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\_usr\_coil6\_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\_atl1\_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\_atl1\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_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

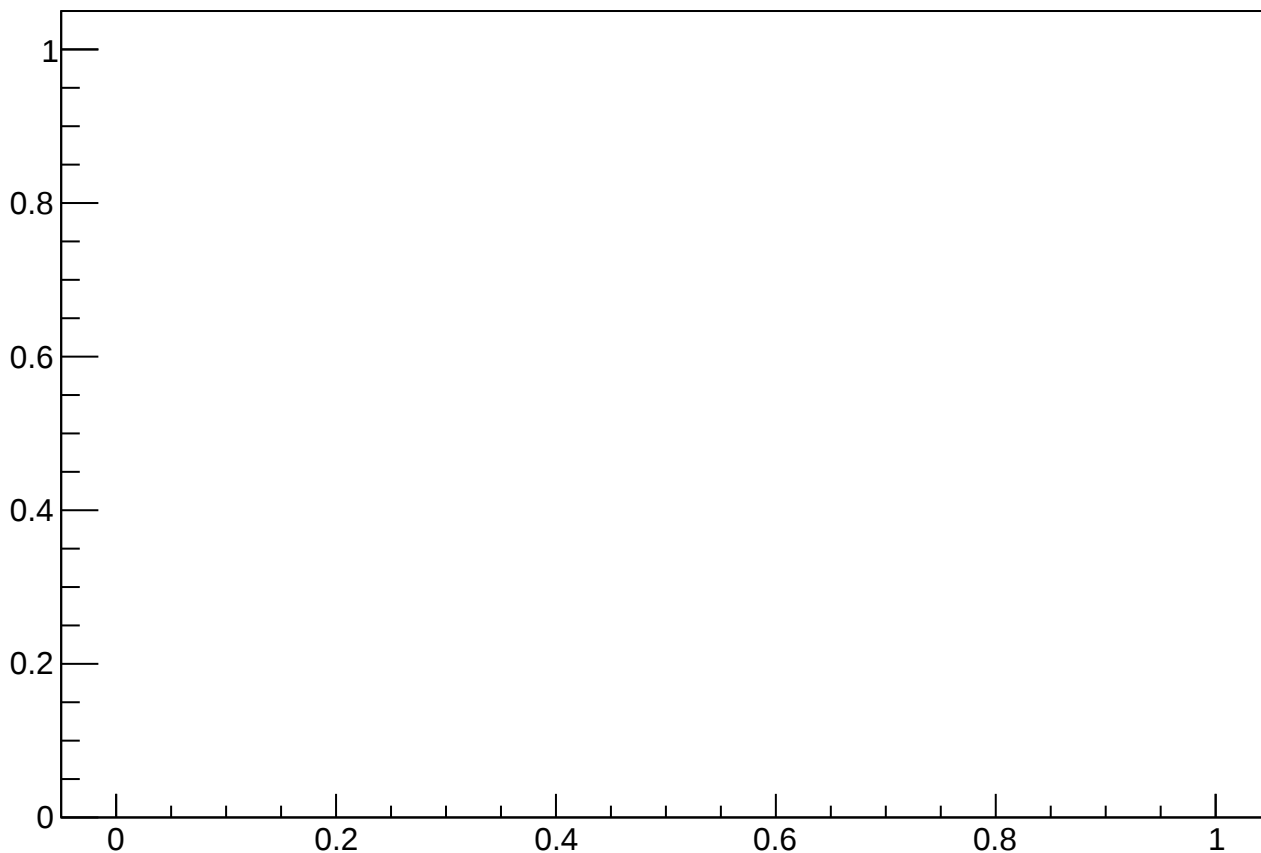
Right: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

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  $\chi^2/\text{NDF}$ : 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\_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\_atr1\_coil6\_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

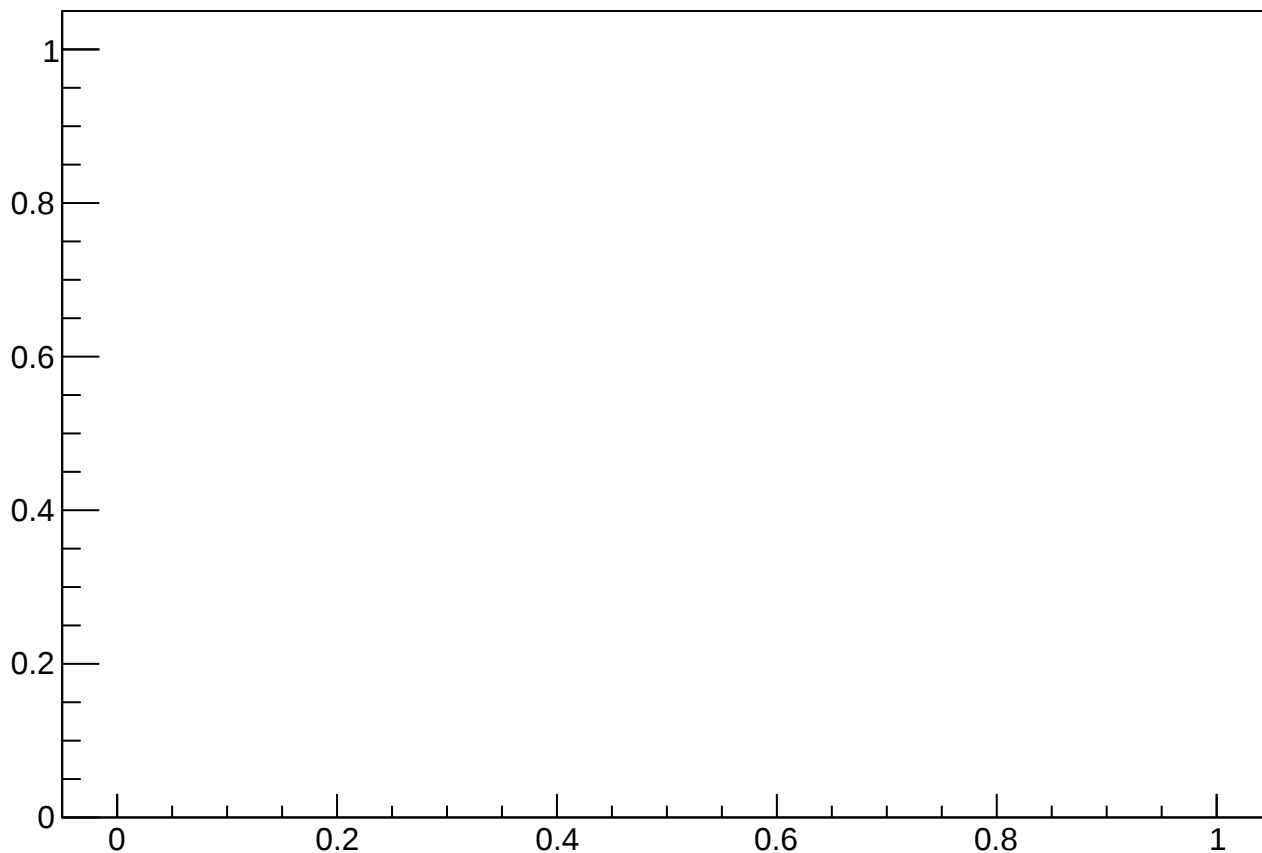
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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\_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     $\chi^2/\text{NDF}$ : 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\_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\_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\_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  $\chi^2/\text{NDF}$ : 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\_coil6\_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\_sam3\_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\_sam3\_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\_sam3\_coil6\_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\_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\_sam4\_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\_sam4\_coil6\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_sam6\_coil6\_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

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: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

In: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

dit\_sam6\_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\_sam6\_coil6\_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\_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  $\chi^2/\text{NDF}$ : 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\_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\_sam8\_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\_sam8\_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\_sam8\_coil6\_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\_run\_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\_run\_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

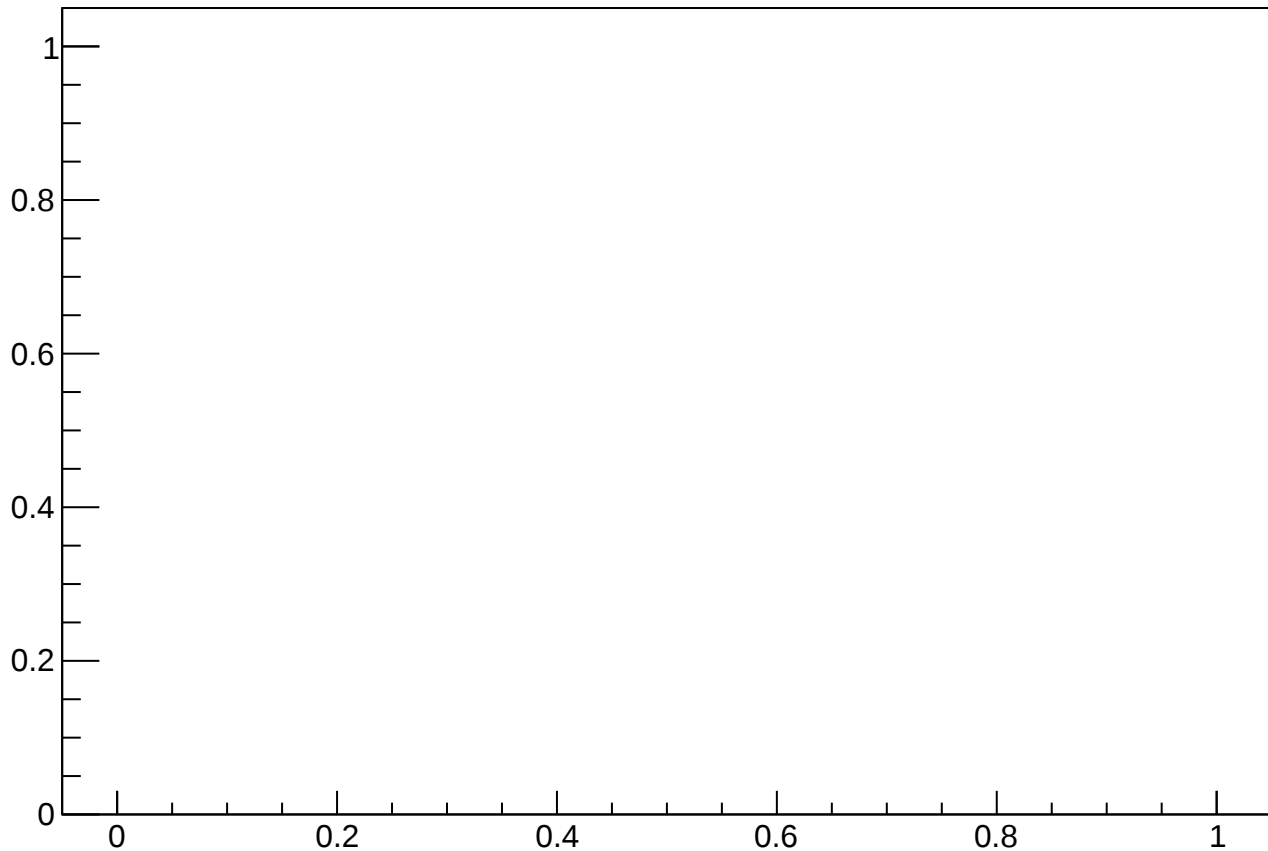
Right: 0.000+/-0.000     $\chi^2/\text{NDF}$ : 0.0/0

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\_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     $\chi^2/\text{NDF}$ : 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\_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

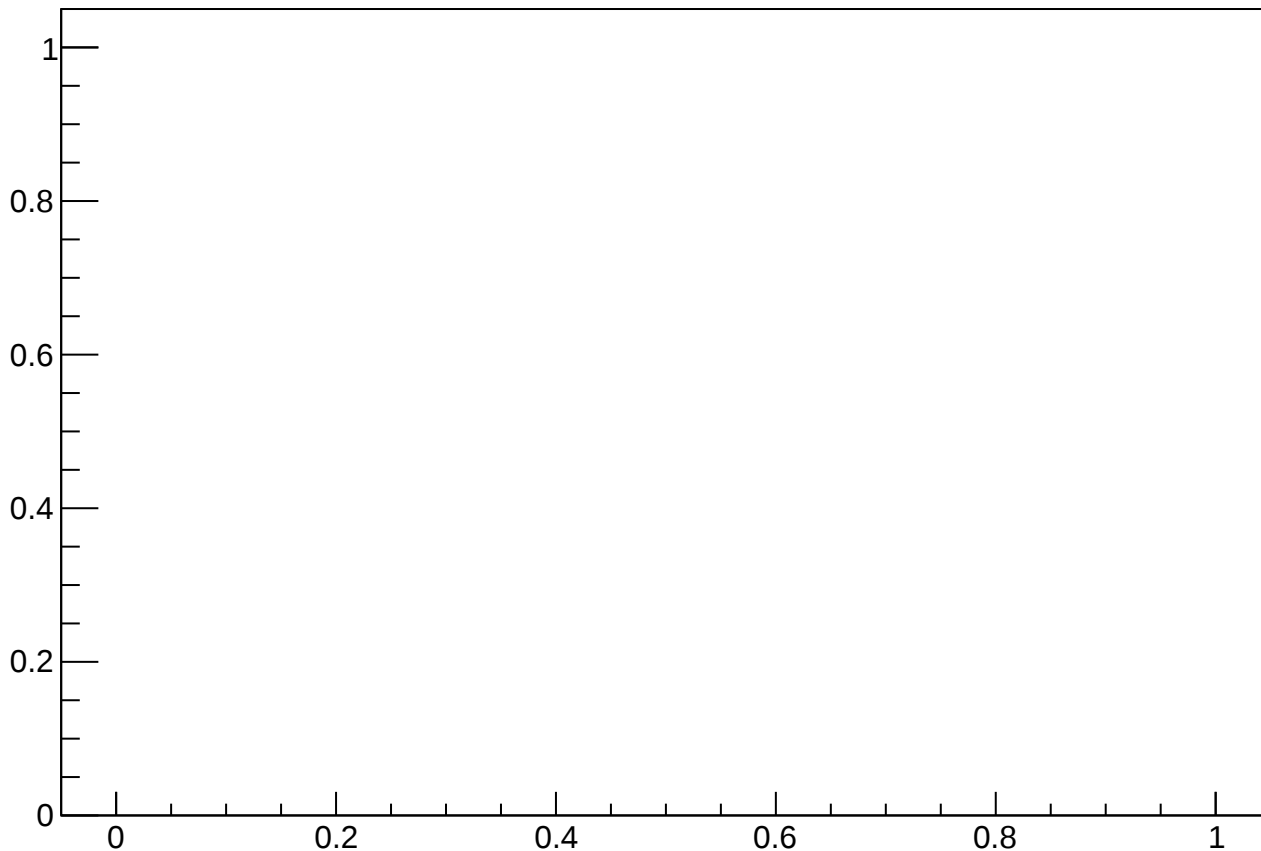
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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  $\chi^2/\text{NDF}$ : 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\_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\_scandata2\_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\_scandata2\_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

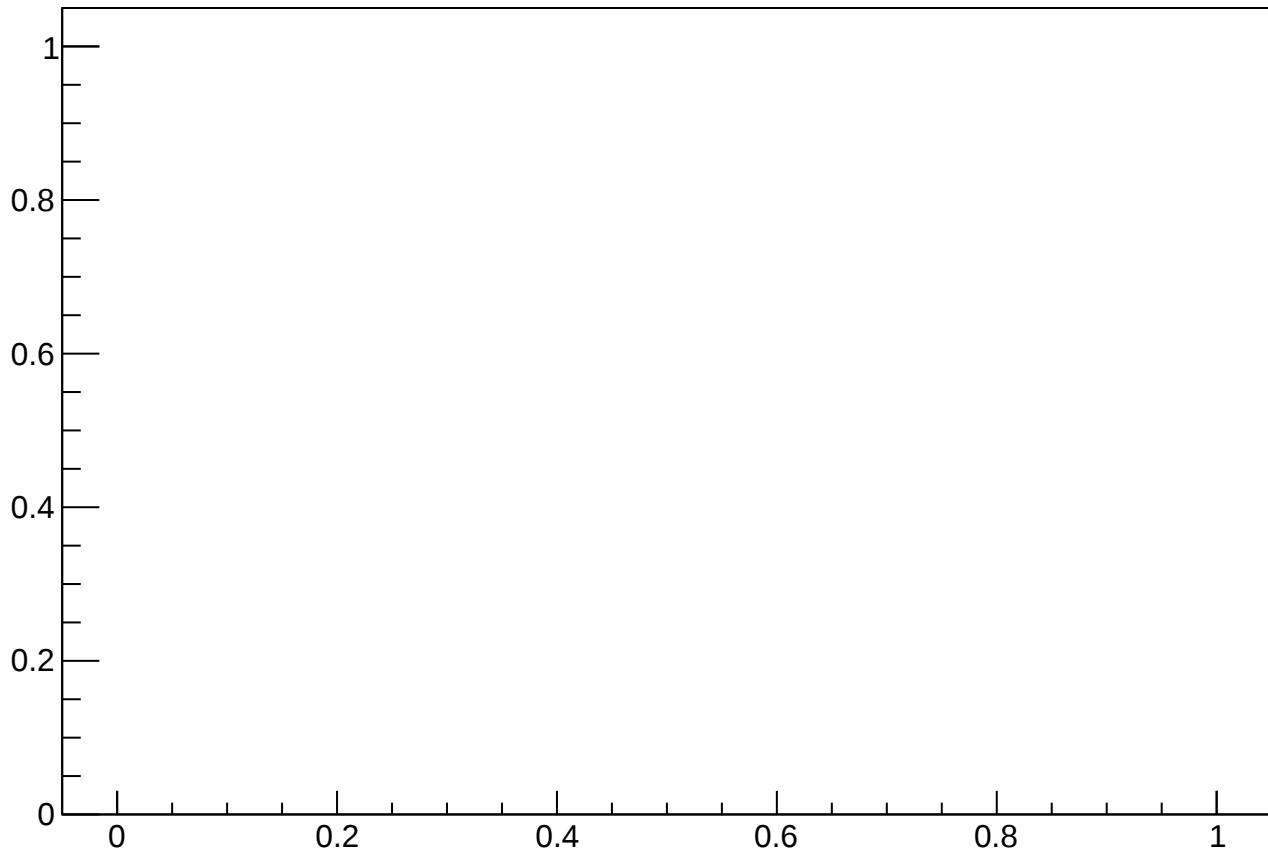
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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\_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  $\chi^2/\text{NDF}$ : 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

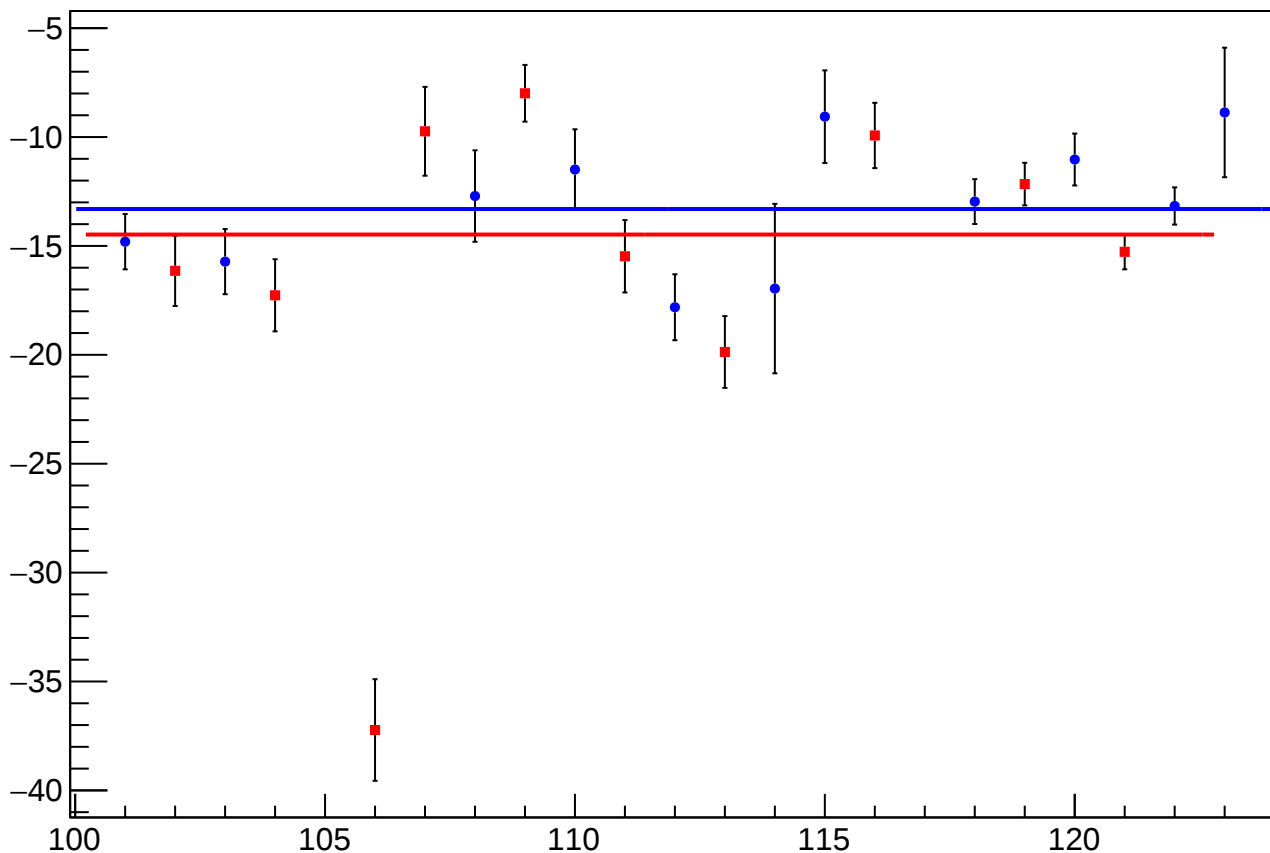
Right: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

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

reg\_asym\_sam1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -13.305 $\pm$ 0.429  $\chi^2$ /NDF: 24.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -14.477 $\pm$ 0.425  $\chi^2$ /NDF: 156.1/9

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

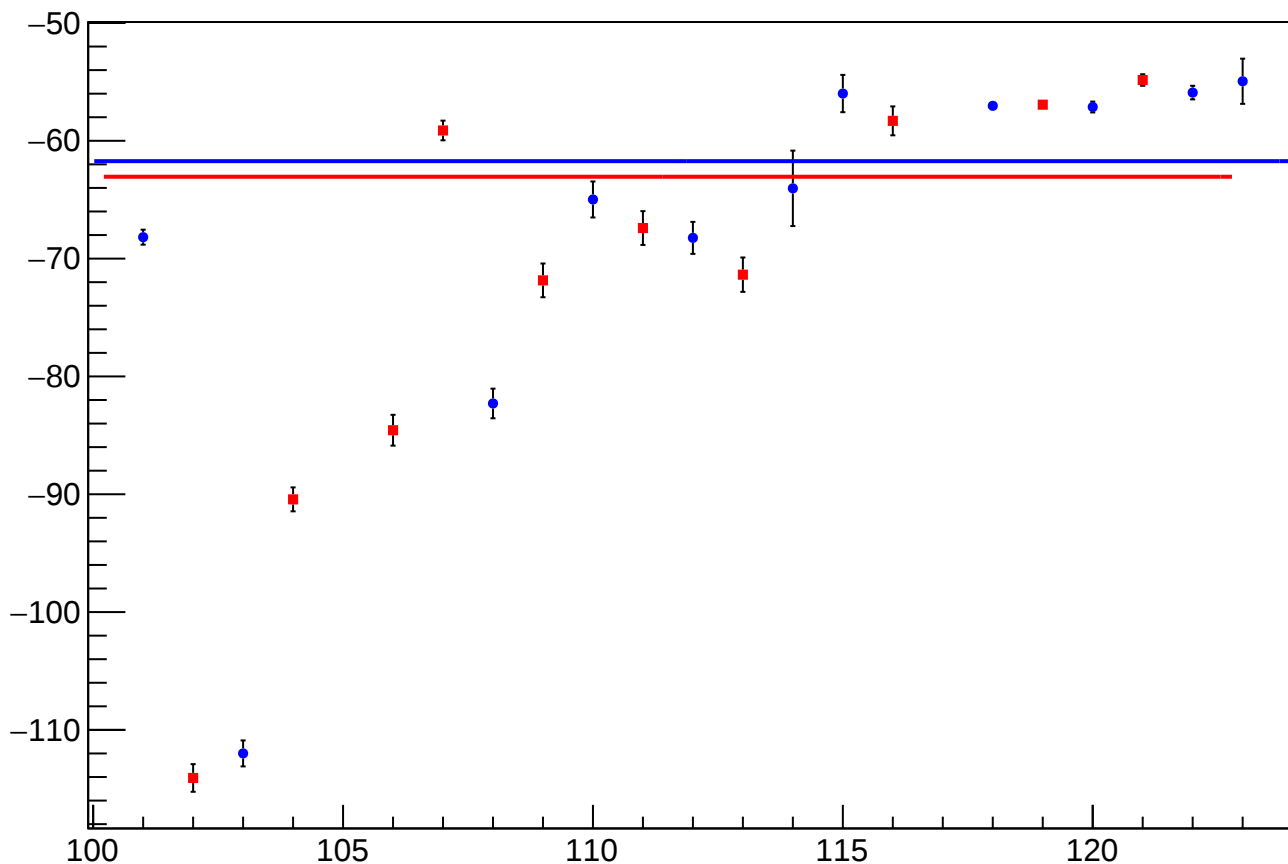
Right: -13.896 $\pm$ 0.302  $\chi^2$ /NDF: 184.7/20

In: -13.305 $\pm$ 0.429  $\chi^2$ /NDF: 24.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -13.896 $\pm$ 0.302  $\chi^2$ /NDF: 184.7/20

reg\_asym\_sam1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -61.728 $\pm$ 0.222  $\chi^2$ /NDF: 2856.2/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -63.050 $\pm$ 0.242  $\chi^2$ /NDF: 3550.4/9

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

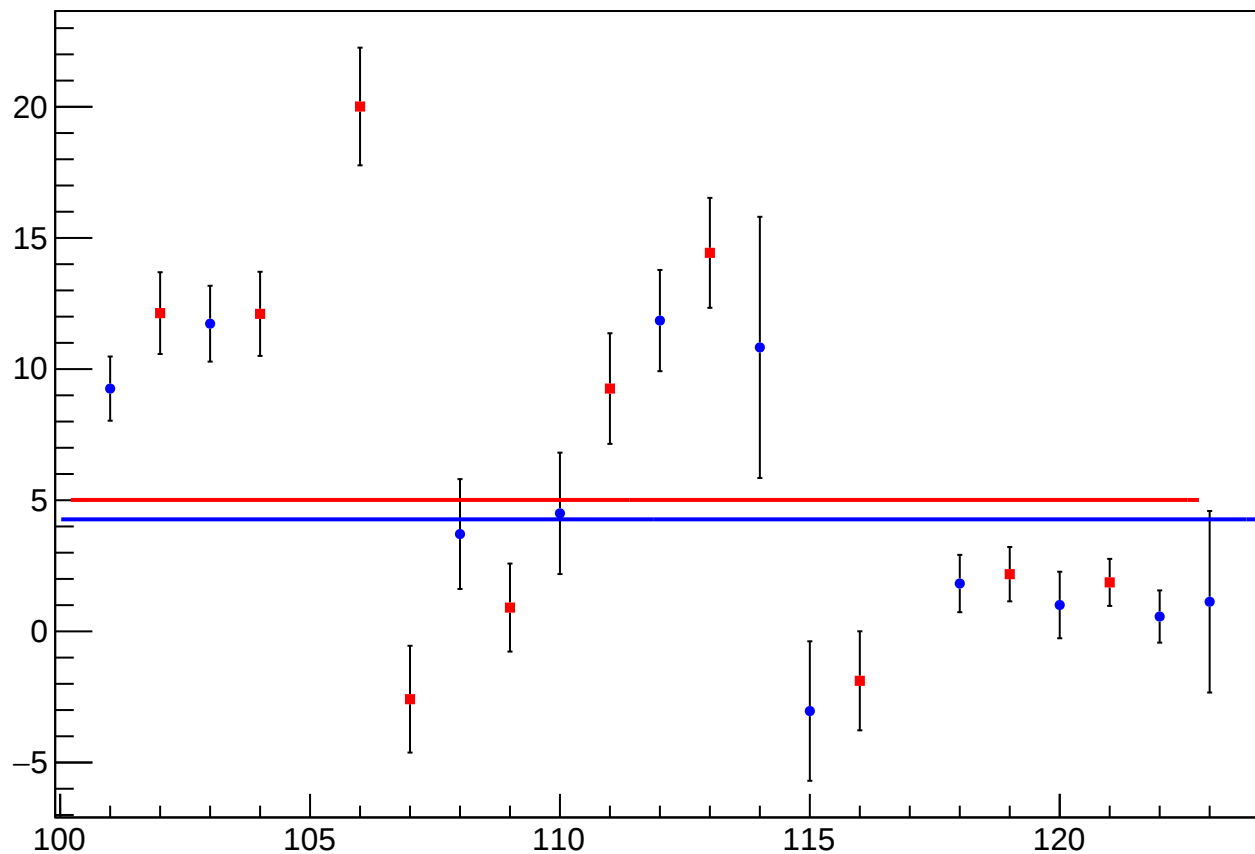
Right: -62.334 $\pm$ 0.164  $\chi^2$ /NDF: 6422.8/20

In: -61.728 $\pm$ 0.222  $\chi^2$ /NDF:2856.2/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -62.334 $\pm$ 0.164  $\chi^2$ /NDF: 6422.8/20

reg\_asym\_sam1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 4.271+/-0.468  $\chi^2/\text{NDF}$ : 94.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 5.011+/-0.471  $\chi^2/\text{NDF}$ : 162.5/9

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

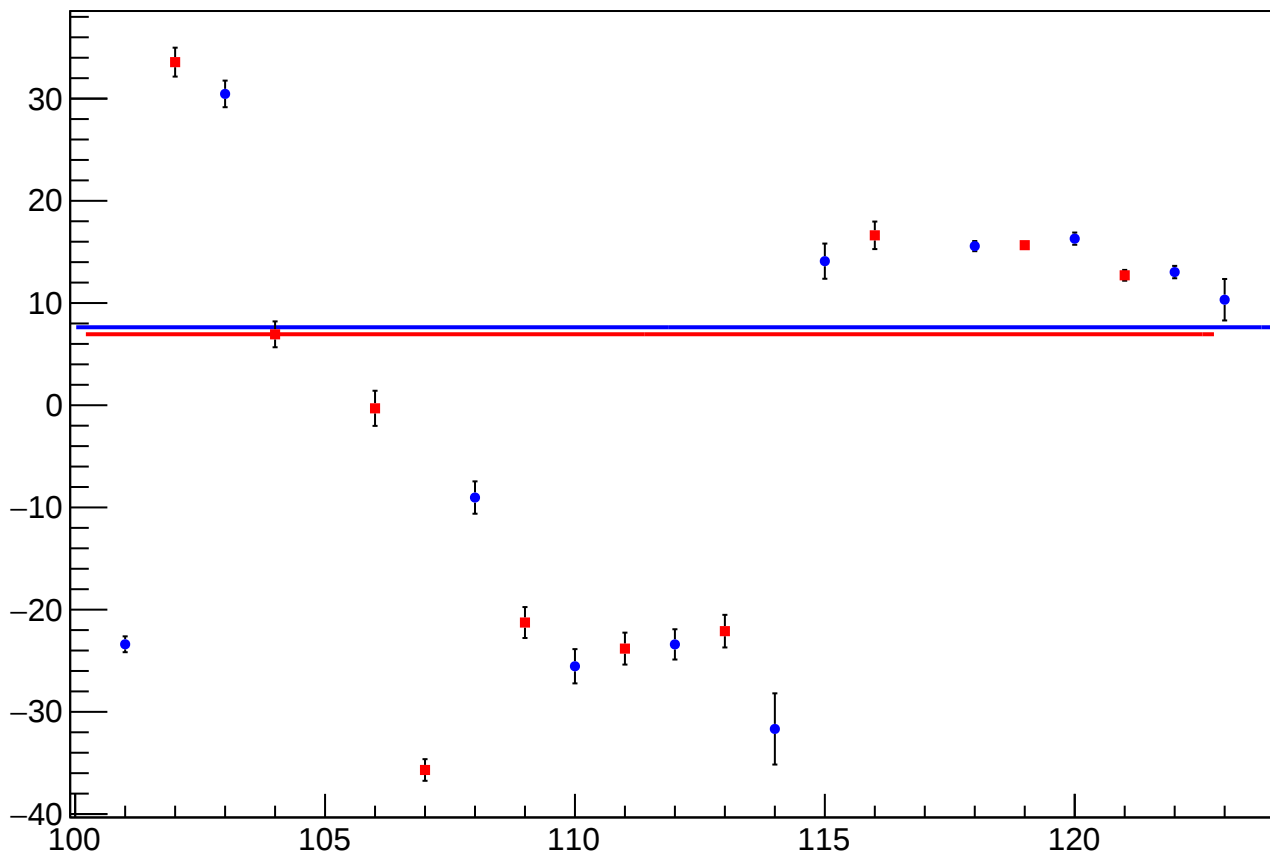
Right: 4.639+/-0.332  $\chi^2/\text{NDF}$ : 258.0/20

In: 4.271+/-0.468  $\chi^2/\text{NDF}$ : 94.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.639+/-0.332  $\chi^2/\text{NDF}$ : 258.0/20

reg\_asym\_sam1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 7.630 $\pm$ 0.270  $\chi^2$ /NDF: 3535.9/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 6.946 $\pm$ 0.288  $\chi^2$ /NDF: 3555.2/9

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

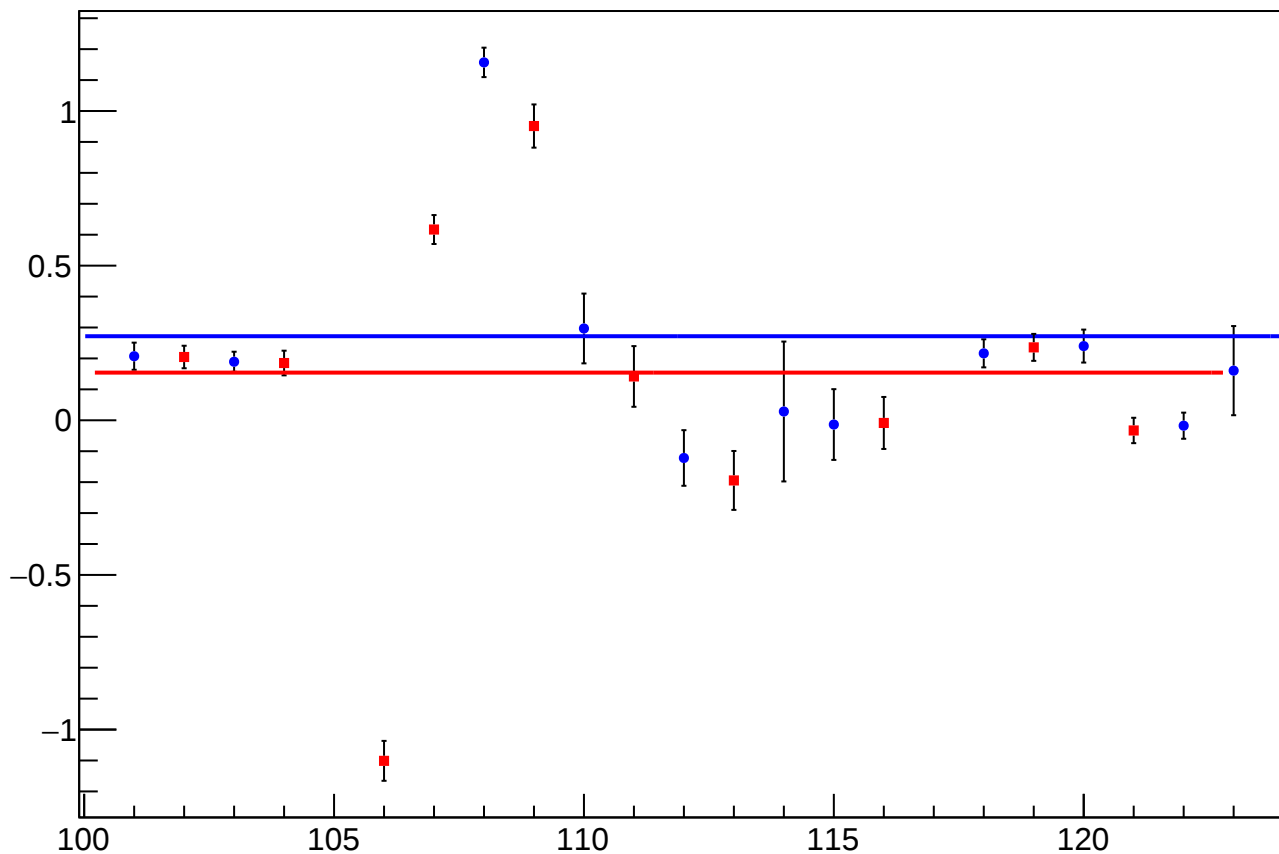
Right: 7.310 $\pm$ 0.197  $\chi^2$ /NDF: 7094.1/20

In: 7.630 $\pm$ 0.270  $\chi^2$ /NDF:3535.9/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 7.310 $\pm$ 0.197  $\chi^2$ /NDF: 7094.1/20

reg\_asym\_sam1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $0.272 \pm 0.017$   $\chi^2/\text{NDF}$ : 430.9/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.154 \pm 0.016$   $\chi^2/\text{NDF}$ : 650.6/9

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

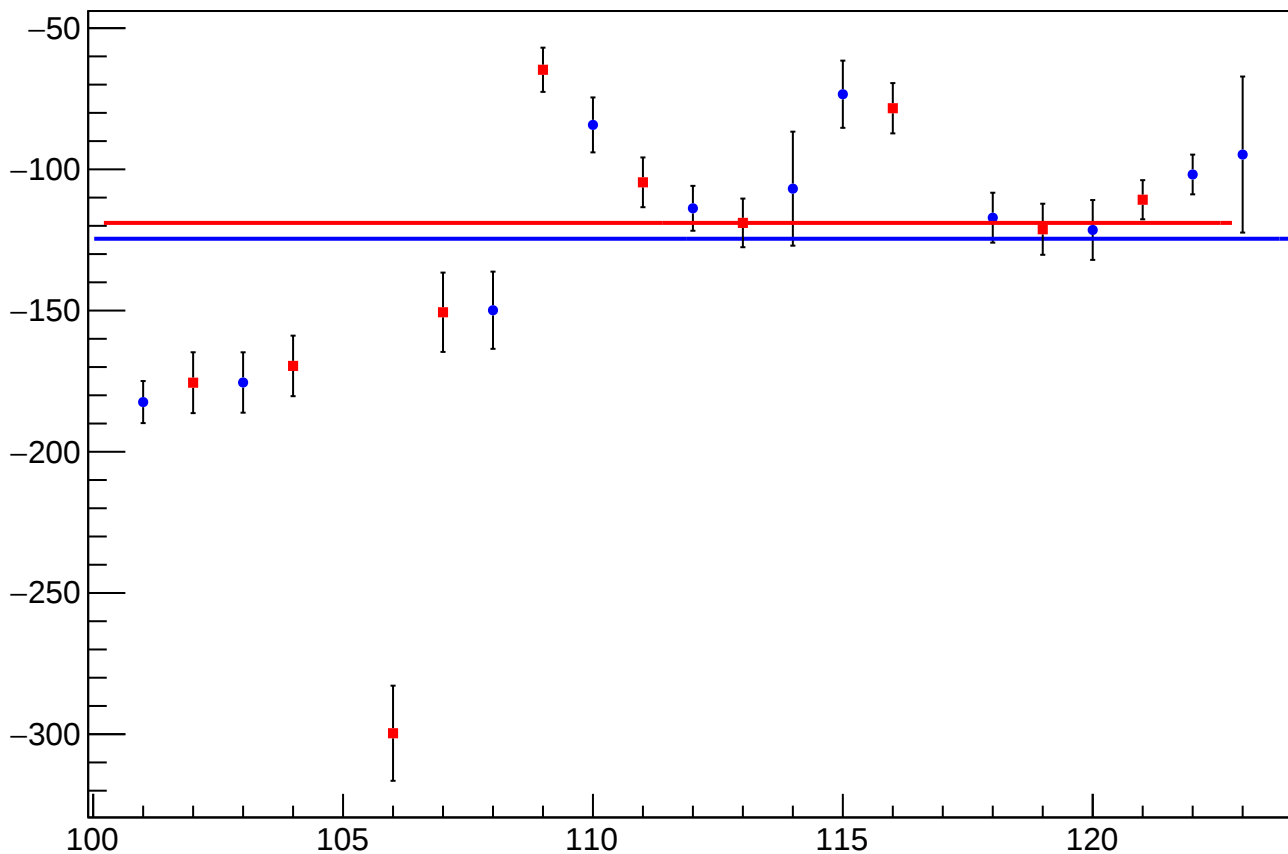
Right:  $0.212 \pm 0.012$   $\chi^2/\text{NDF}$ : 1107.2/20

In:  $0.272 \pm 0.017$   $\chi^2/\text{NDF}$ : 430.9/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.212 \pm 0.012$   $\chi^2/\text{NDF}$ : 1107.2/20

reg\_asym\_sam2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -124.574+/-2.998  $\chi^2/\text{NDF}$ : 137.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -118.961+/-2.958  $\chi^2/\text{NDF}$ : 243.1/9

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

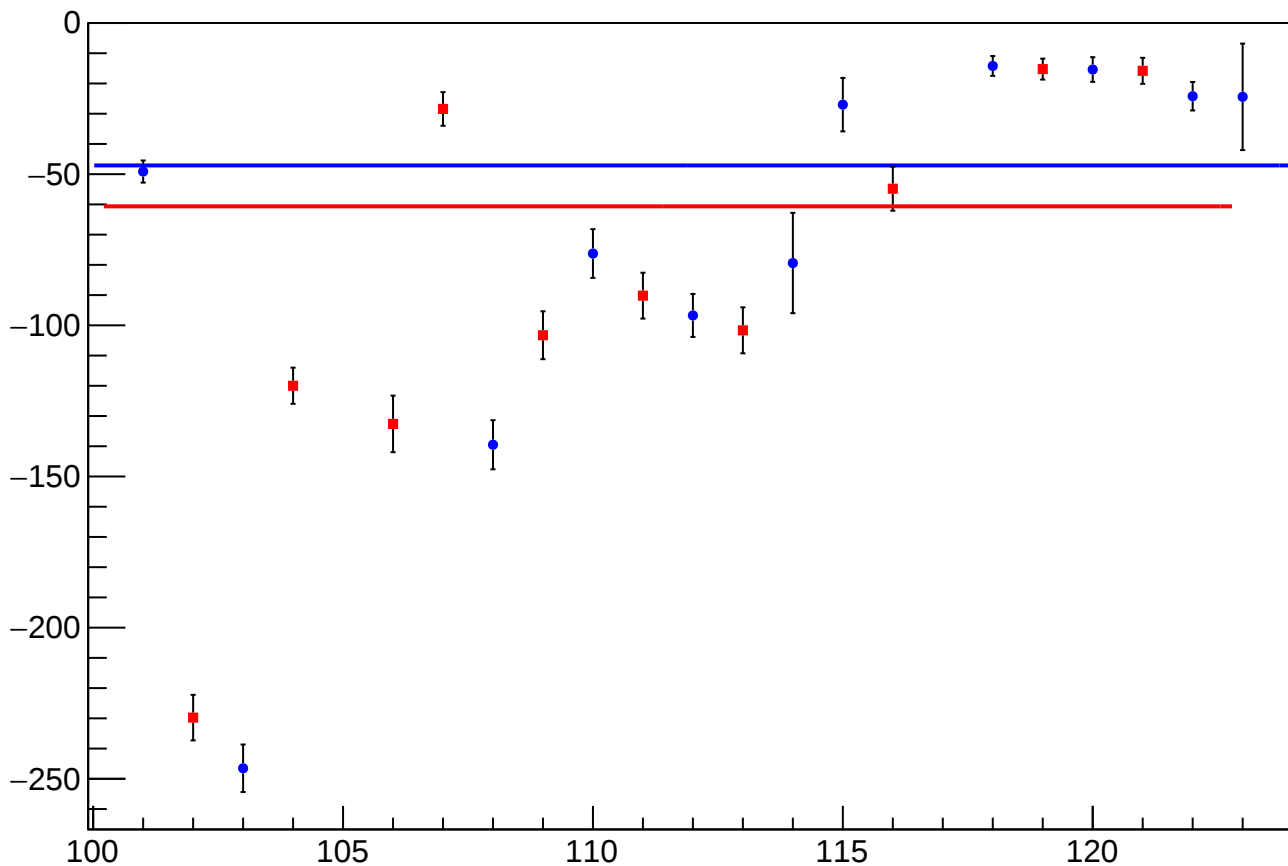
Right: -121.730+/-2.105  $\chi^2/\text{NDF}$ : 382.0/20

In: -124.574+/-2.998  $\chi^2/\text{NDF}$ : 137.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -121.730+/-2.105  $\chi^2/\text{NDF}$ : 382.0/20

reg\_asym\_sam2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -47.108+/-1.669  $\chi^2/\text{NDF}$ : 1030.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -60.644+/-1.837  $\chi^2/\text{NDF}$ : 1049.3/9

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

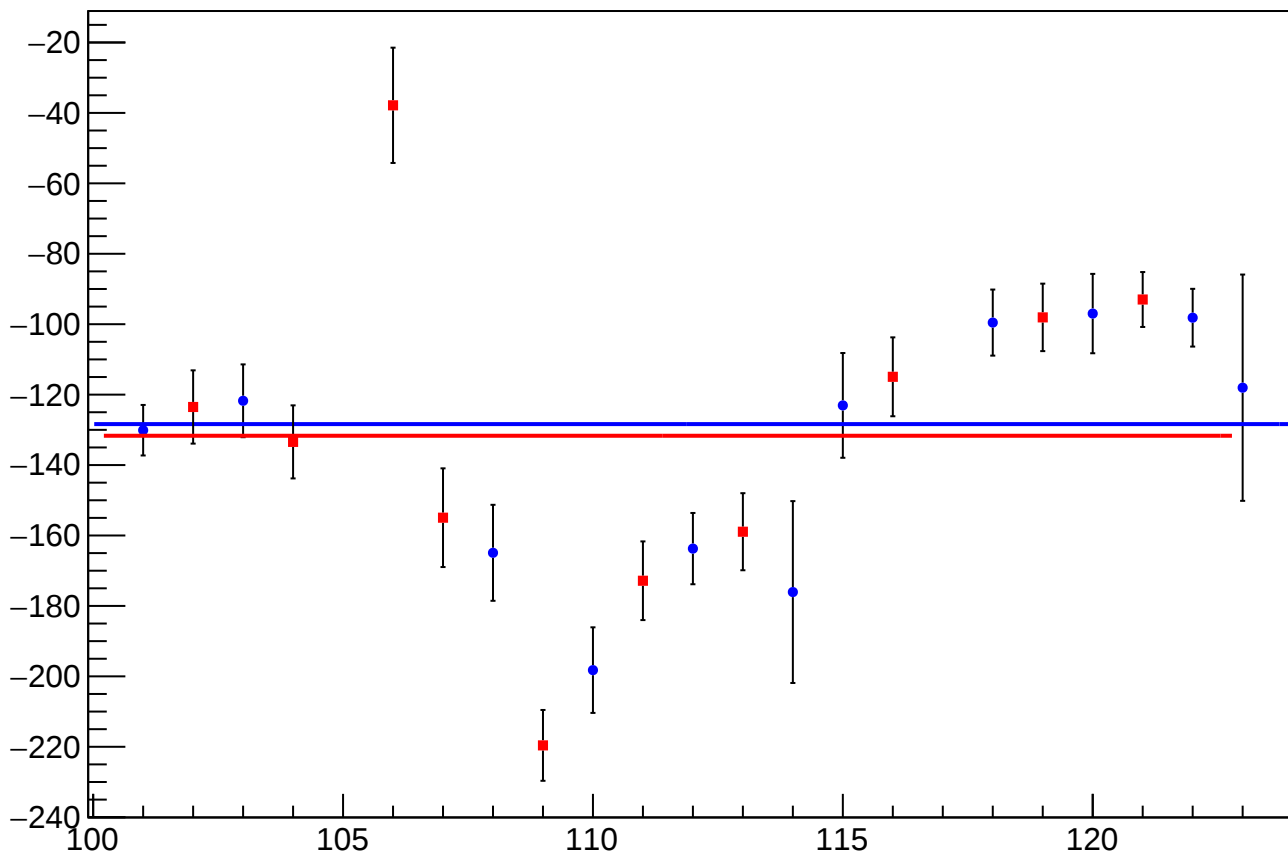
Right: -53.229+/-1.235  $\chi^2/\text{NDF}$ : 2109.4/20

In: -47.108+/-1.669  $\chi^2/\text{NDF}$ : 1030.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -53.229+/-1.235  $\chi^2/\text{NDF}$ : 2109.4/20

reg\_asym\_sam2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -128.368+/-3.300  $\chi^2/\text{NDF}$ : 87.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -131.678+/-3.354  $\chi^2/\text{NDF}$ : 171.6/9

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

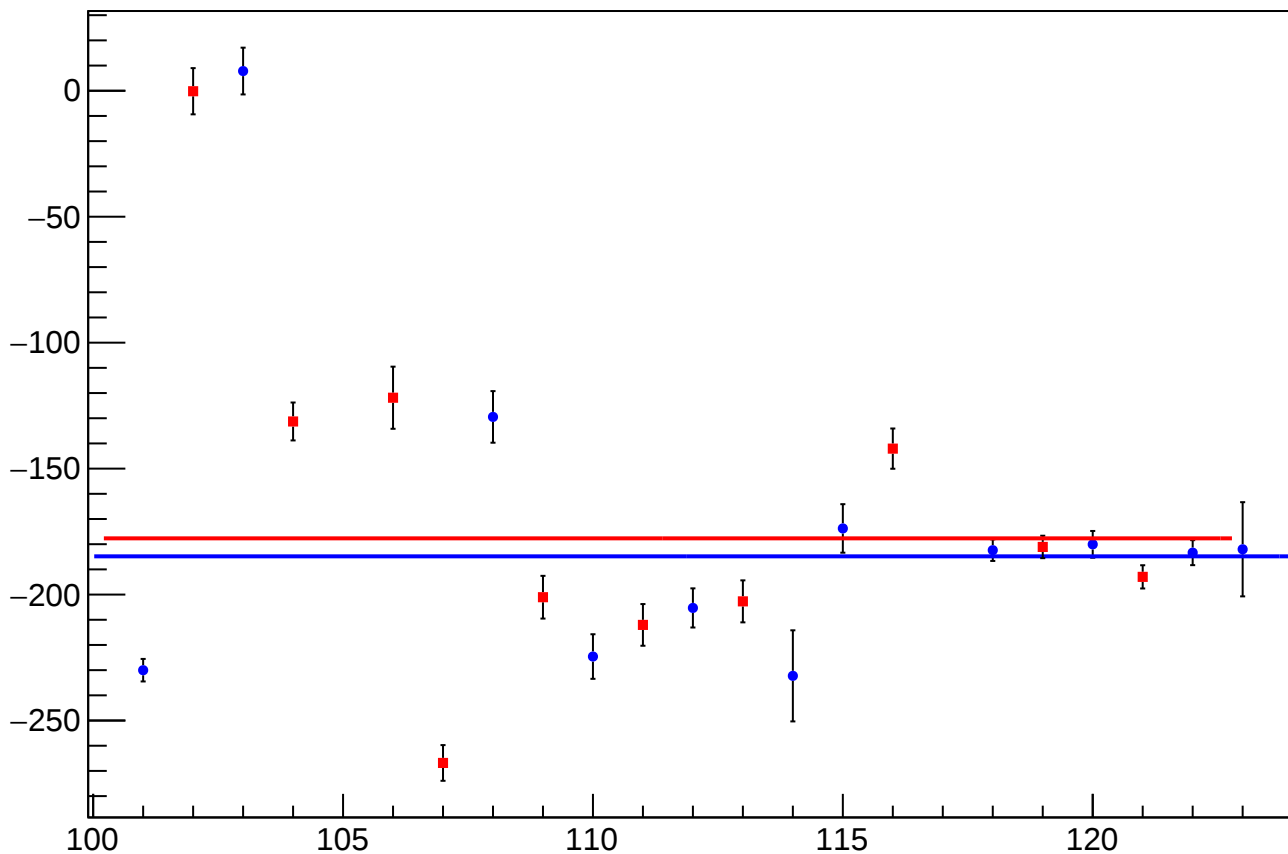
Right: -129.996+/-2.352  $\chi^2/\text{NDF}$ : 259.5/20

In: -128.368+/-3.300  $\chi^2/\text{NDF}$ :87.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -129.996+/-2.352  $\chi^2/\text{NDF}$ : 259.5/20

reg\_asym\_sam2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-184.820 \pm 2.008$   $\chi^2/\text{NDF}$ : 598.7/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-177.680 \pm 2.172$   $\chi^2/\text{NDF}$ : 656.3/9

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

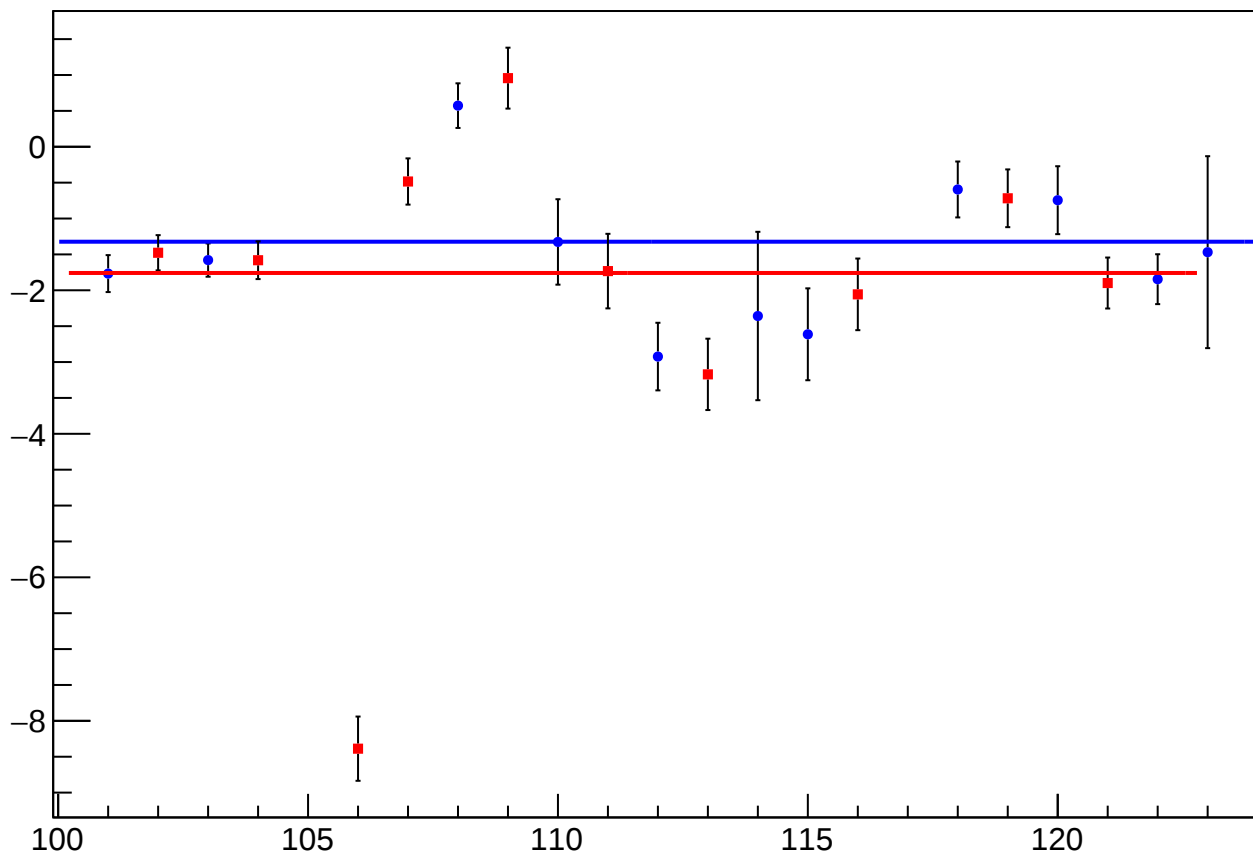
Right:  $-181.529 \pm 1.475$   $\chi^2/\text{NDF}$ : 1260.8/20

In:  $-184.820 \pm 2.008$   $\chi^2/\text{NDF}$ : 598.7/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-181.529 \pm 1.475$   $\chi^2/\text{NDF}$ : 1260.8/20

reg\_asym\_sam2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-1.323 \pm 0.116$   $\chi^2/\text{NDF}$ : 65.0/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.759 \pm 0.114$   $\chi^2/\text{NDF}$ : 293.0/9

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

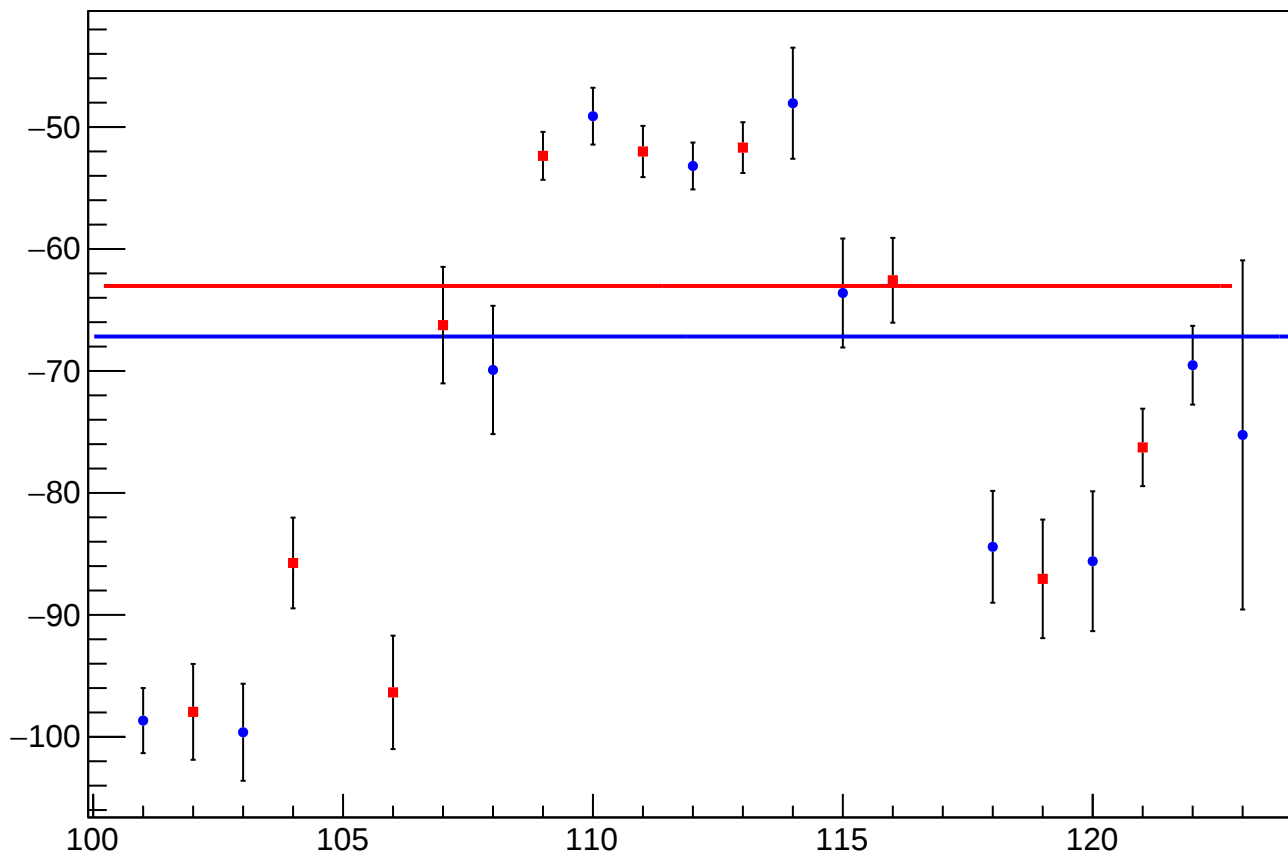
Right:  $-1.545 \pm 0.081$   $\chi^2/\text{NDF}$ : 365.2/20

In:  $-1.323 \pm 0.116$   $\chi^2/\text{NDF}$ : 65.0/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.545 \pm 0.081$   $\chi^2/\text{NDF}$ : 365.2/20

reg\_asym\_sam3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-67.174 \pm 1.014$   $\chi^2/\text{NDF}$ : 362.9/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-63.029 \pm 0.925$   $\chi^2/\text{NDF}$ : 296.6/9

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

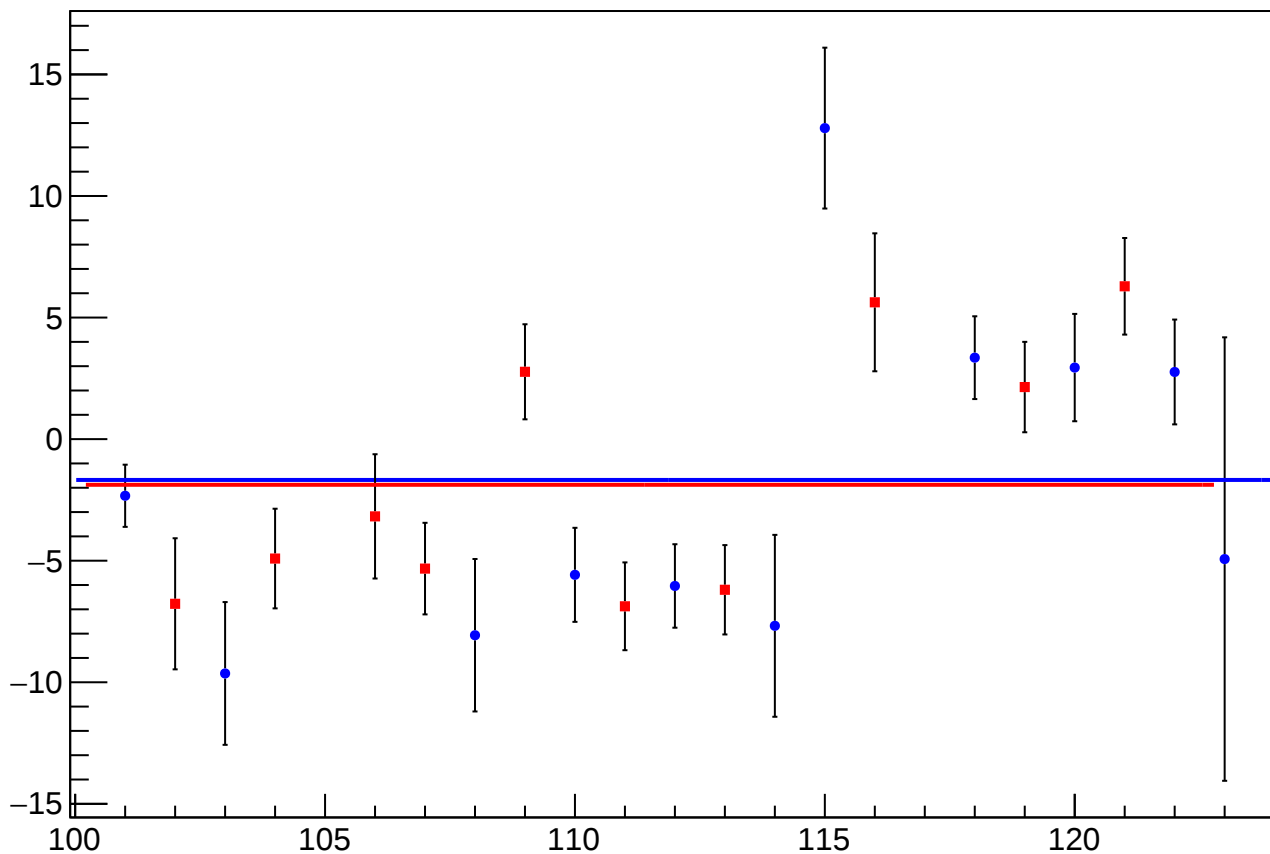
Right:  $-64.913 \pm 0.684$   $\chi^2/\text{NDF}$ : 668.6/20

In:  $-67.174 \pm 1.014$   $\chi^2/\text{NDF}$ : 362.9/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-64.913 \pm 0.684$   $\chi^2/\text{NDF}$ : 668.6/20

reg\_asym\_sam3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -1.679+/-0.649  $\chi^2/\text{NDF}$ : 61.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.878+/-0.653  $\chi^2/\text{NDF}$ : 56.5/9

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

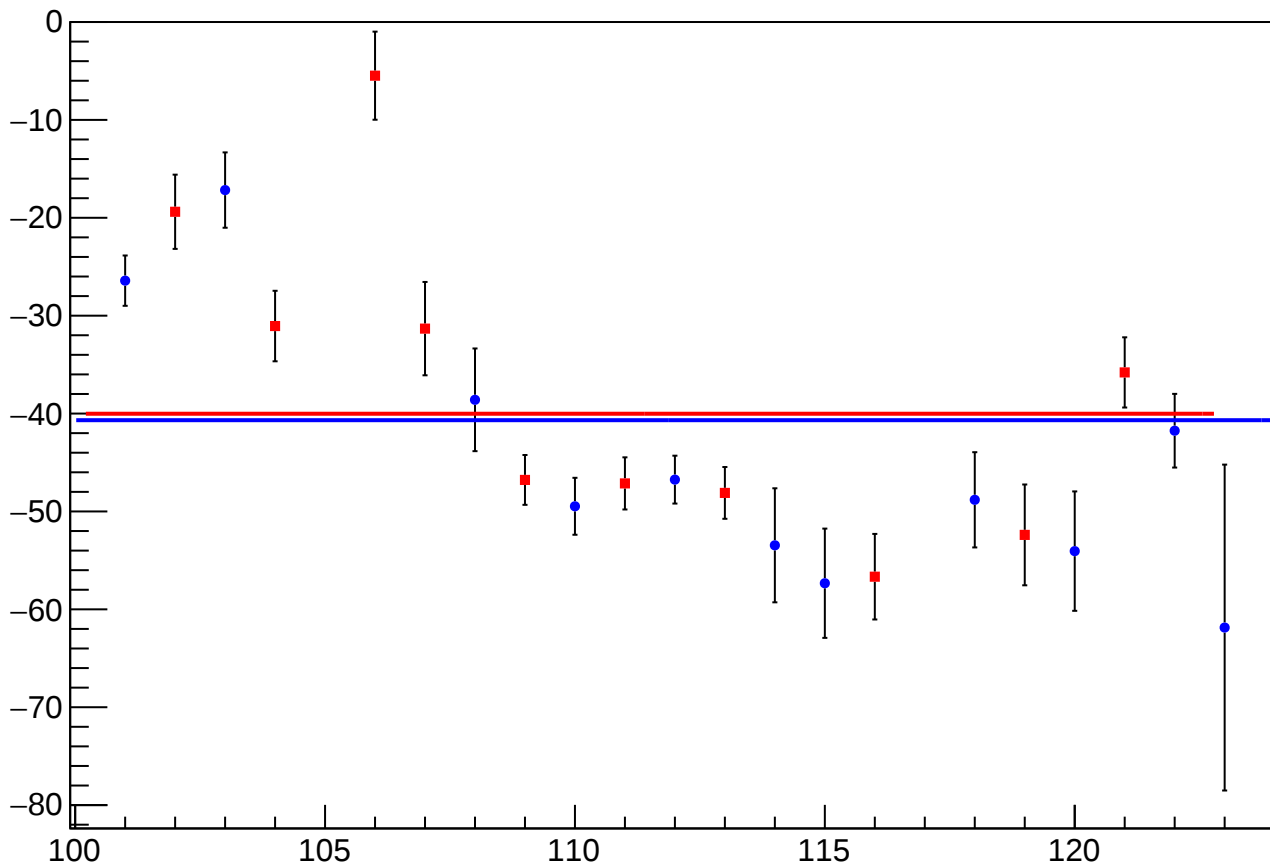
Right: -1.777+/-0.460  $\chi^2/\text{NDF}$ : 118.0/20

In: -1.679+/-0.649  $\chi^2/\text{NDF}$ : 61.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.777+/-0.460  $\chi^2/\text{NDF}$ : 118.0/20

reg\_asym\_sam3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -40.677 $\pm$ 1.158  $\chi^2$ /NDF: 106.6/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -40.017 $\pm$ 1.087  $\chi^2$ /NDF: 143.2/9

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

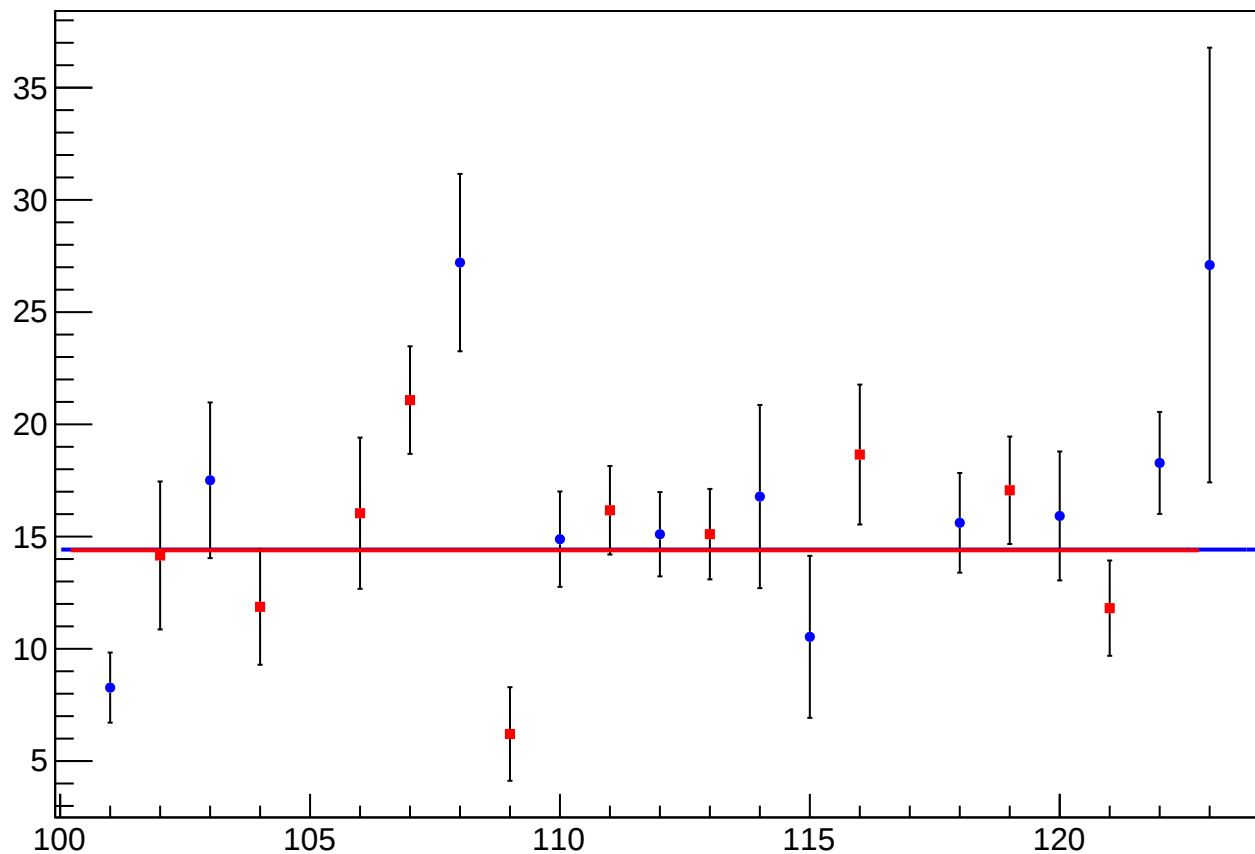
Right: -40.327 $\pm$ 0.793  $\chi^2$ /NDF: 250.0/20

In: -40.677 $\pm$ 1.158  $\chi^2$ /NDF:106.6/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -40.327 $\pm$ 0.793  $\chi^2$ /NDF: 250.0/20

reg\_asym\_sam3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 14.422+/-0.761  $\chi^2/\text{NDF}$ : 33.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.388+/-0.759  $\chi^2/\text{NDF}$ : 29.9/9

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

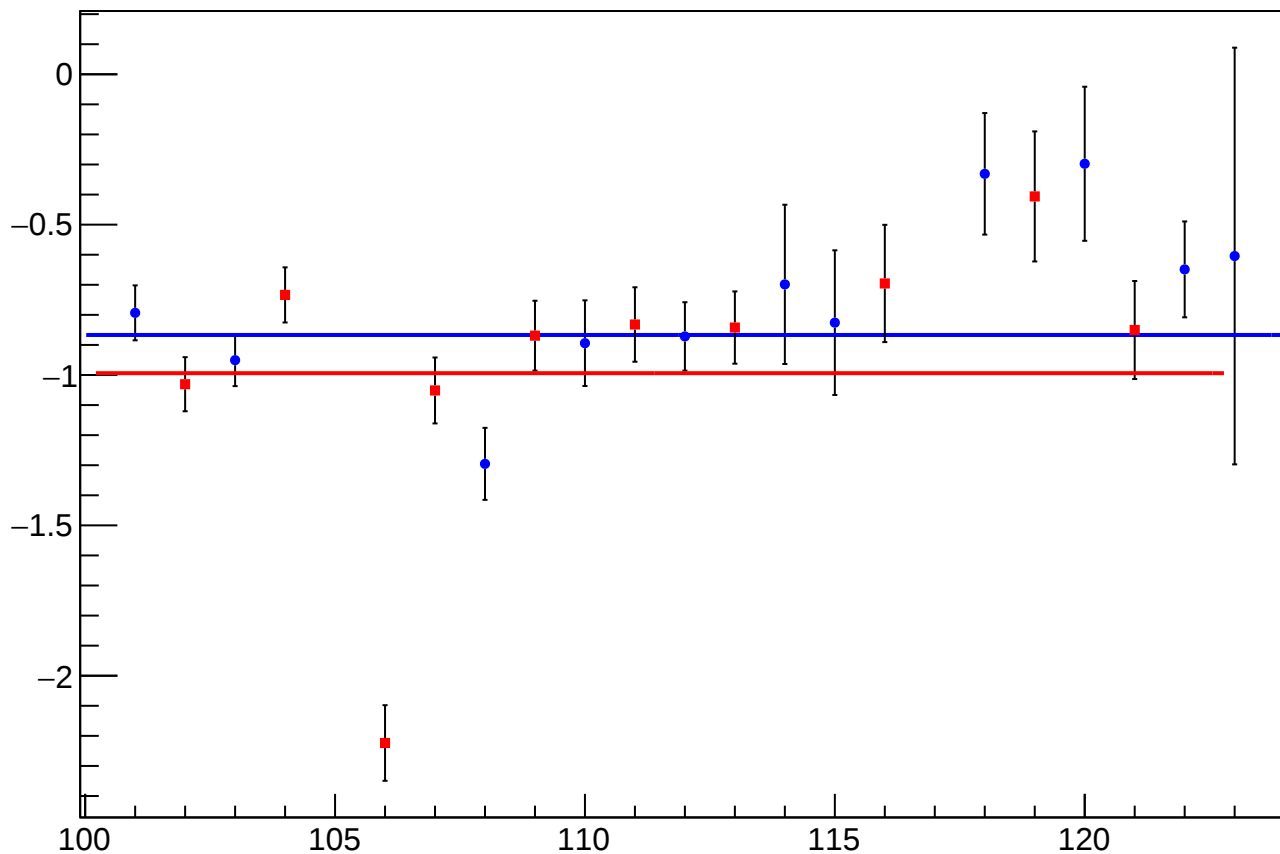
Right: 14.405+/-0.537  $\chi^2/\text{NDF}$ : 63.6/20

In: 14.422+/-0.761  $\chi^2/\text{NDF}$ : 33.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 14.405+/-0.537  $\chi^2/\text{NDF}$ : 63.6/20

reg\_asym\_sam3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.867 \pm 0.042$   $\chi^2/\text{NDF}$ : 28.9/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.994 \pm 0.038$   $\chi^2/\text{NDF}$ : 119.1/9

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

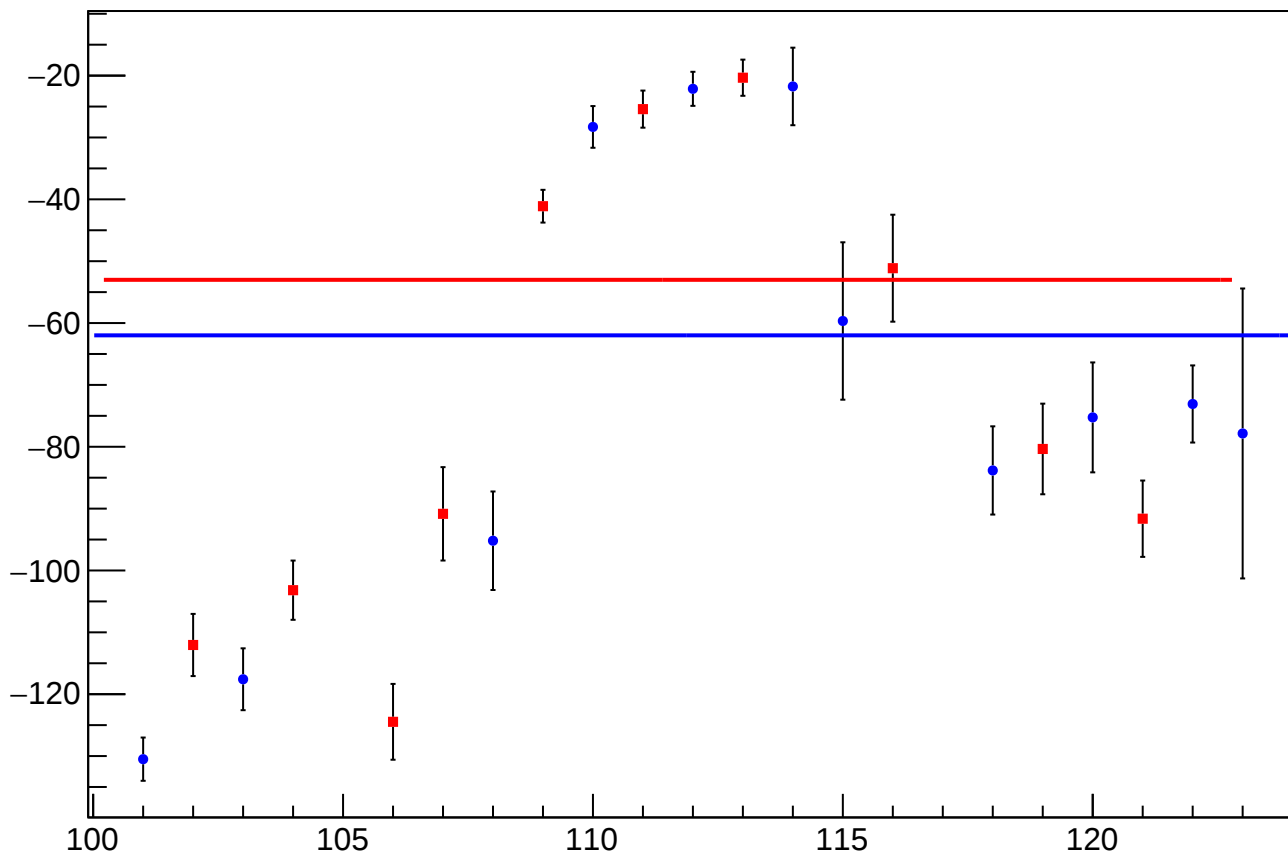
Right:  $-0.936 \pm 0.028$   $\chi^2/\text{NDF}$ : 153.0/20

In:  $-0.867 \pm 0.042$   $\chi^2/\text{NDF}$ : 28.9/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.936 \pm 0.028$   $\chi^2/\text{NDF}$ : 153.0/20

reg\_asym\_sam4\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -61.988+/-1.492  $\chi^2/\text{NDF}$ : 891.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -53.012+/-1.340  $\chi^2/\text{NDF}$ : 691.9/9

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

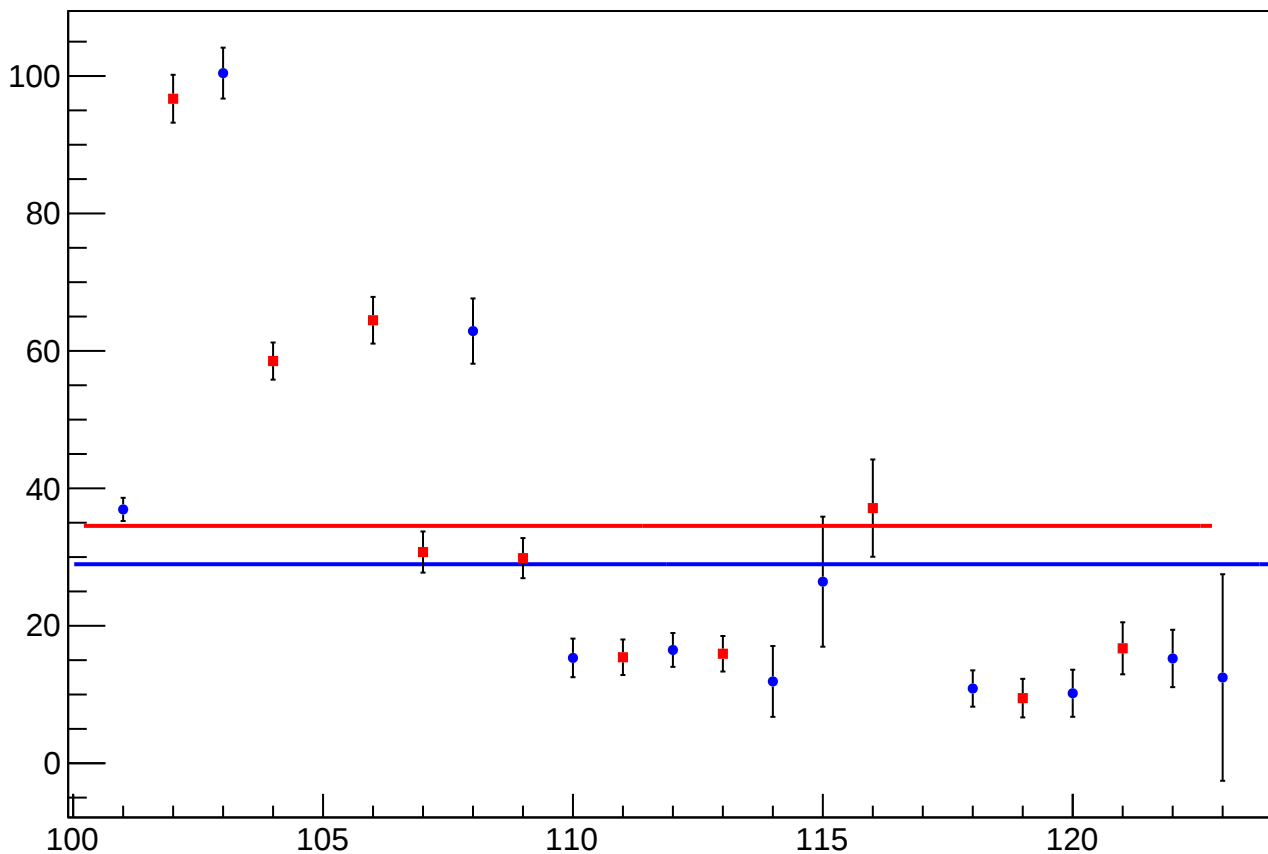
Right: -57.020+/-0.997  $\chi^2/\text{NDF}$ : 1602.9/20

In: -61.988+/-1.492  $\chi^2/\text{NDF}$ : 891.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -57.020+/-0.997  $\chi^2/\text{NDF}$ : 1602.9/20

reg\_asym\_sam4\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 28.960 $\pm$ 0.954  $\chi^2$ /NDF: 594.5/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 34.541 $\pm$ 0.976  $\chi^2$ /NDF: 687.2/9

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

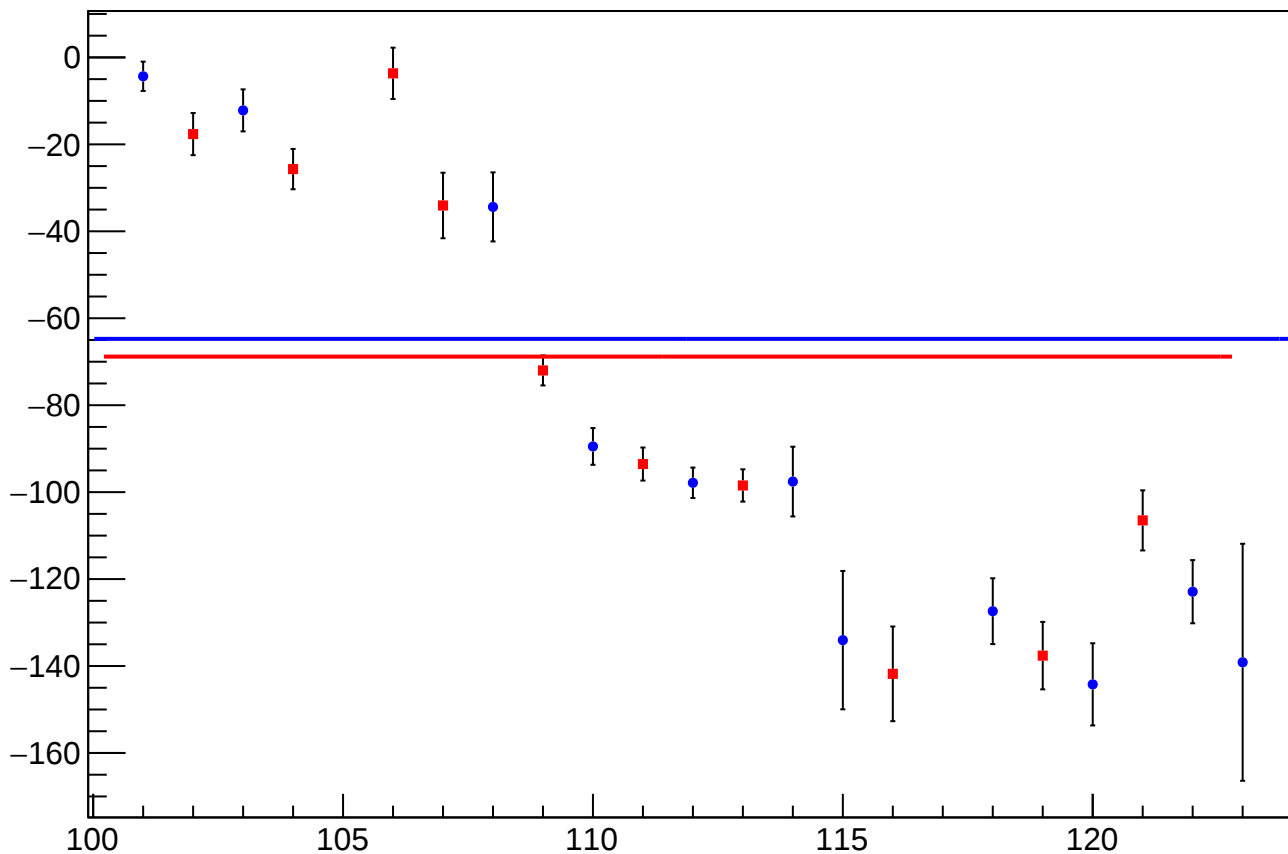
Right: 31.689 $\pm$ 0.682  $\chi^2$ /NDF: 1298.5/20

In: 28.960 $\pm$ 0.954  $\chi^2$ /NDF:594.5/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 31.689 $\pm$ 0.682  $\chi^2$ /NDF: 1298.5/20

reg\_asym\_sam4\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -64.740 $\pm$ 1.684  $\chi^2$ /NDF: 824.3/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -68.825 $\pm$ 1.568  $\chi^2$ /NDF: 601.0/9

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

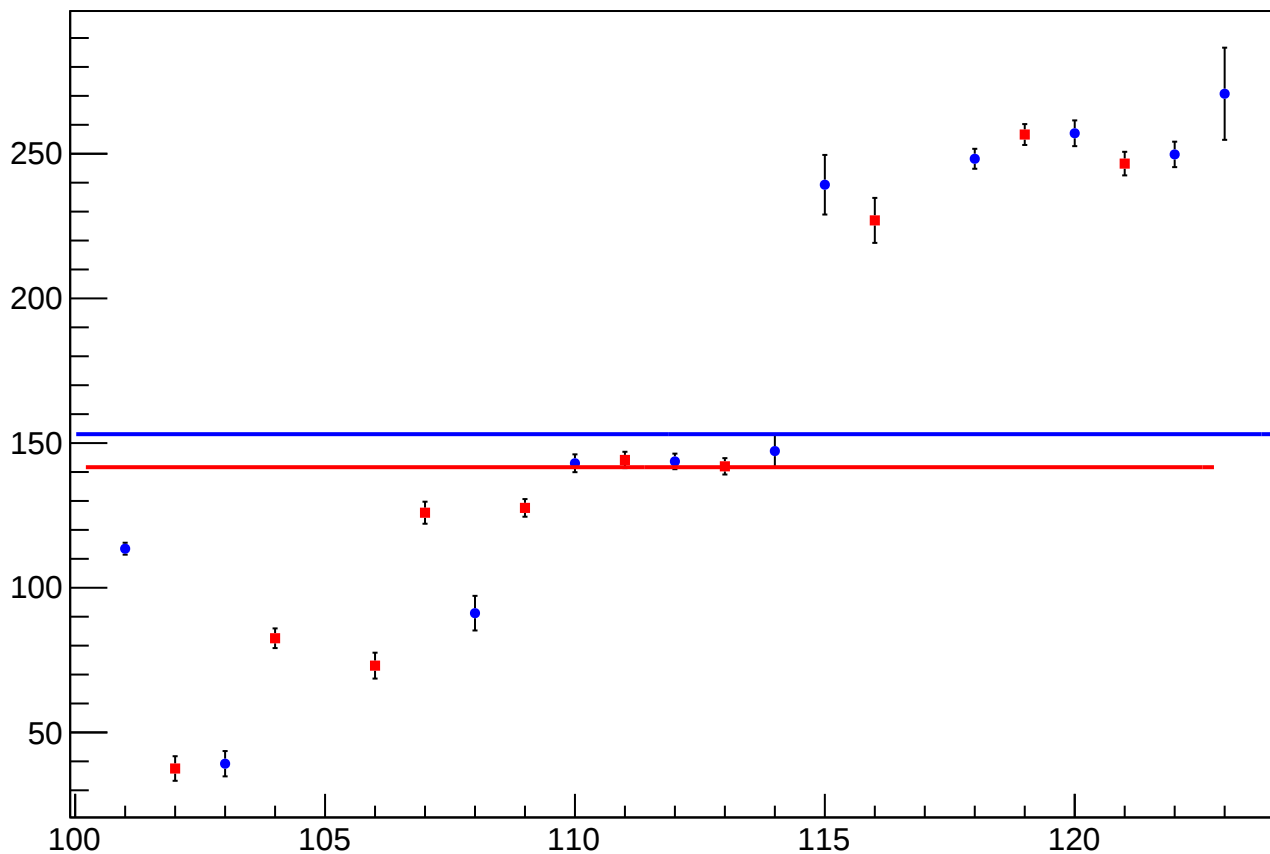
Right: -66.928 $\pm$ 1.148  $\chi^2$ /NDF: 1428.4/20

In: -64.740 $\pm$ 1.684  $\chi^2$ /NDF:824.3/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -66.928 $\pm$ 1.148  $\chi^2$ /NDF: 1428.4/20

reg\_asym\_sam4\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 153.080+/-1.125  $\chi^2/\text{NDF}$ : 3091.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 141.668+/-1.138  $\chi^2/\text{NDF}$ : 2976.0/9

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

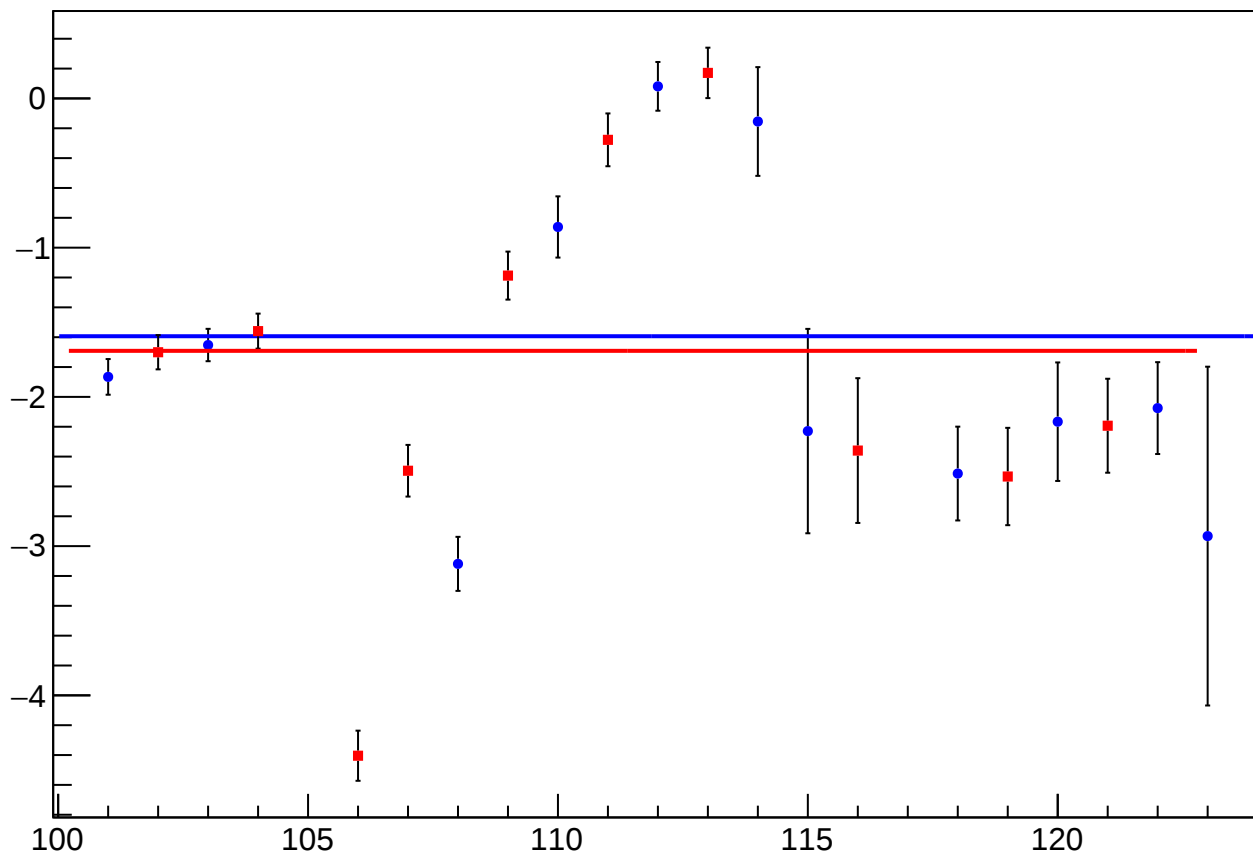
Right: 147.438+/-0.800  $\chi^2/\text{NDF}$ : 6118.8/20

In: 153.080+/-1.125  $\chi^2/\text{NDF}$ : 3091.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 147.438+/-0.800  $\chi^2/\text{NDF}$ : 6118.8/20

reg\_asym\_sam4\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -1.593+/-0.059  $\chi^2/\text{NDF}$ : 225.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -1.691+/-0.054  $\chi^2/\text{NDF}$ : 489.9/9

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

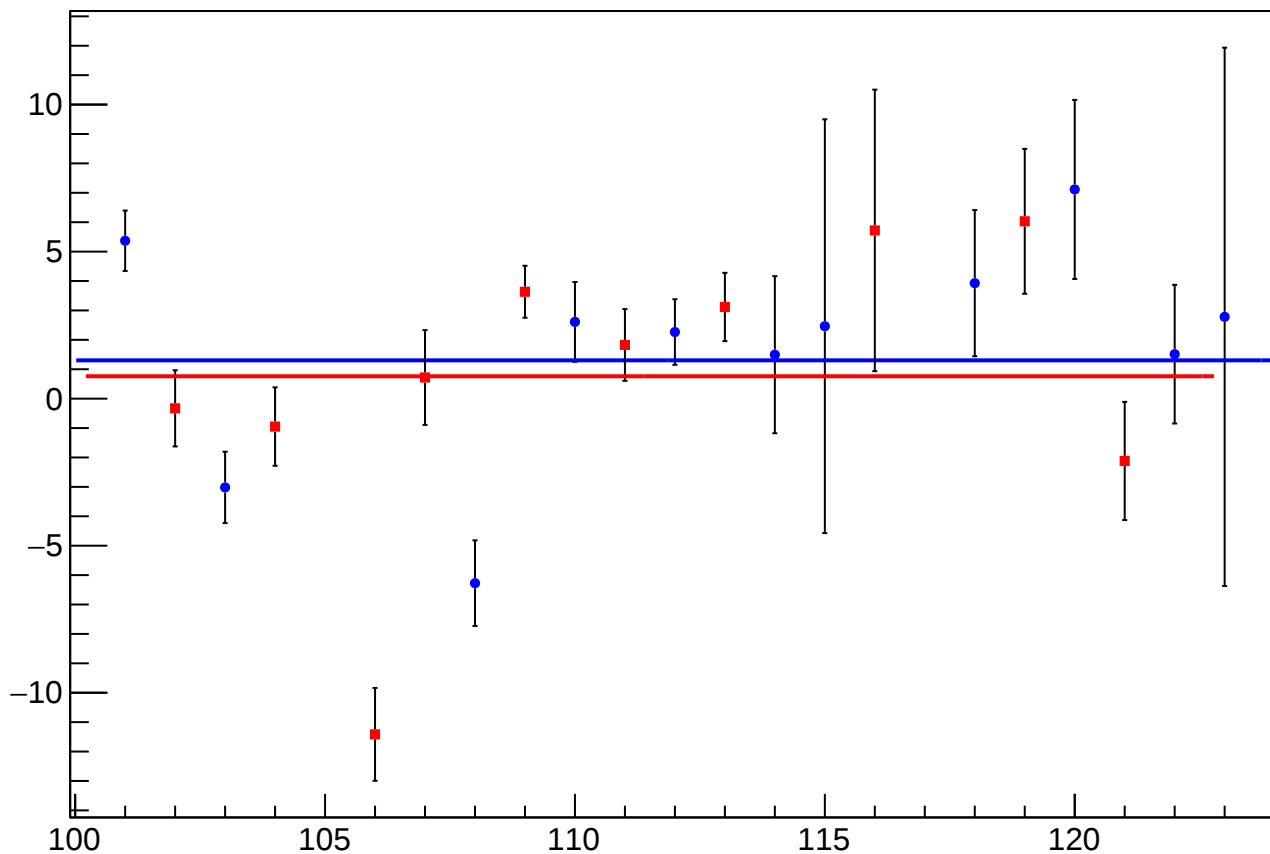
Right: -1.647+/-0.040  $\chi^2/\text{NDF}$ : 716.7/20

In: -1.593+/-0.059  $\chi^2/\text{NDF}$ :225.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -1.647+/-0.040  $\chi^2/\text{NDF}$ : 716.7/20

reg\_asym\_sam5\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.303+/-0.496  $\chi^2/\text{NDF}$ : 61.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.761+/-0.443  $\chi^2/\text{NDF}$ : 85.0/9

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

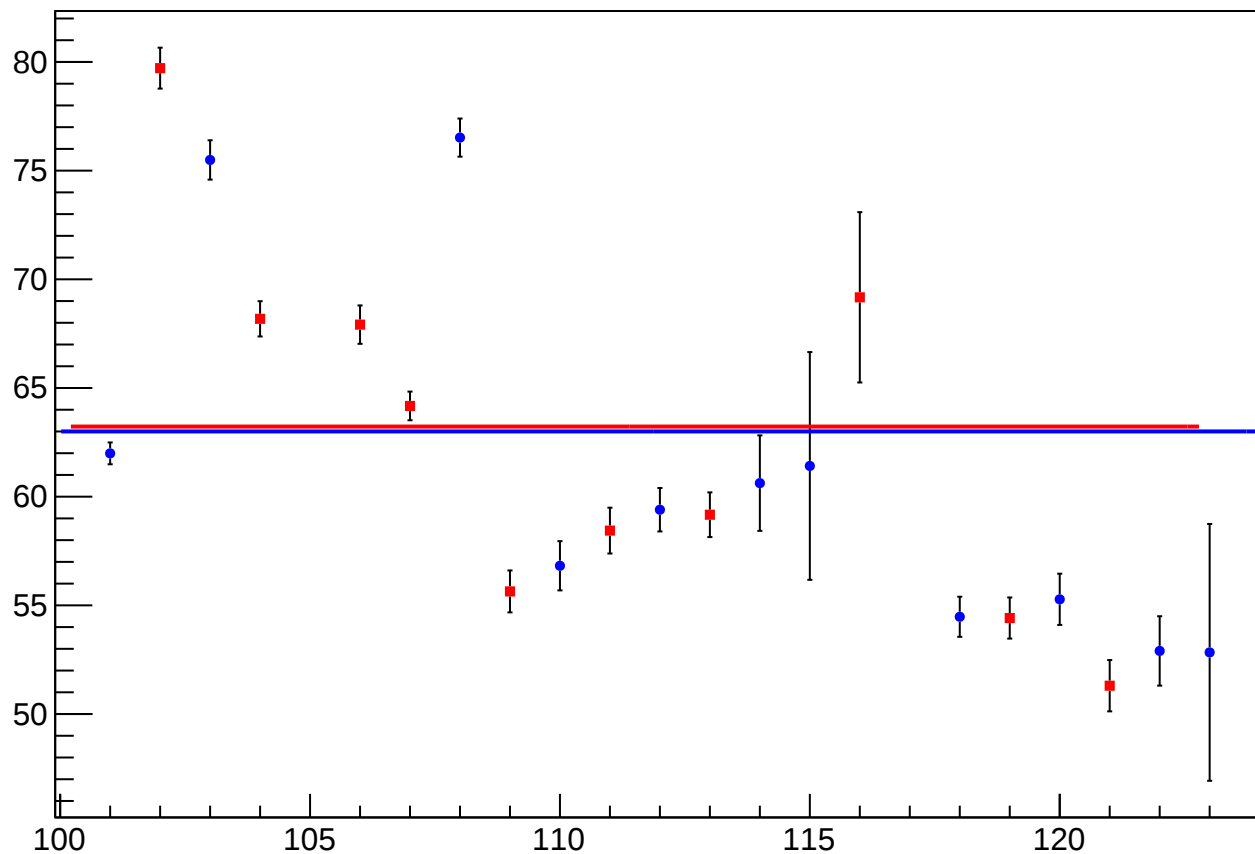
Right: 1.002+/-0.330  $\chi^2/\text{NDF}$ : 147.5/20

In: 1.303+/-0.496  $\chi^2/\text{NDF}$ : 61.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.002+/-0.330  $\chi^2/\text{NDF}$ : 147.5/20

reg\_asym\_sam5\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 63.002 $\pm$ 0.304  $\chi^2$ /NDF: 647.4/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 63.226 $\pm$ 0.301  $\chi^2$ /NDF: 663.3/9

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

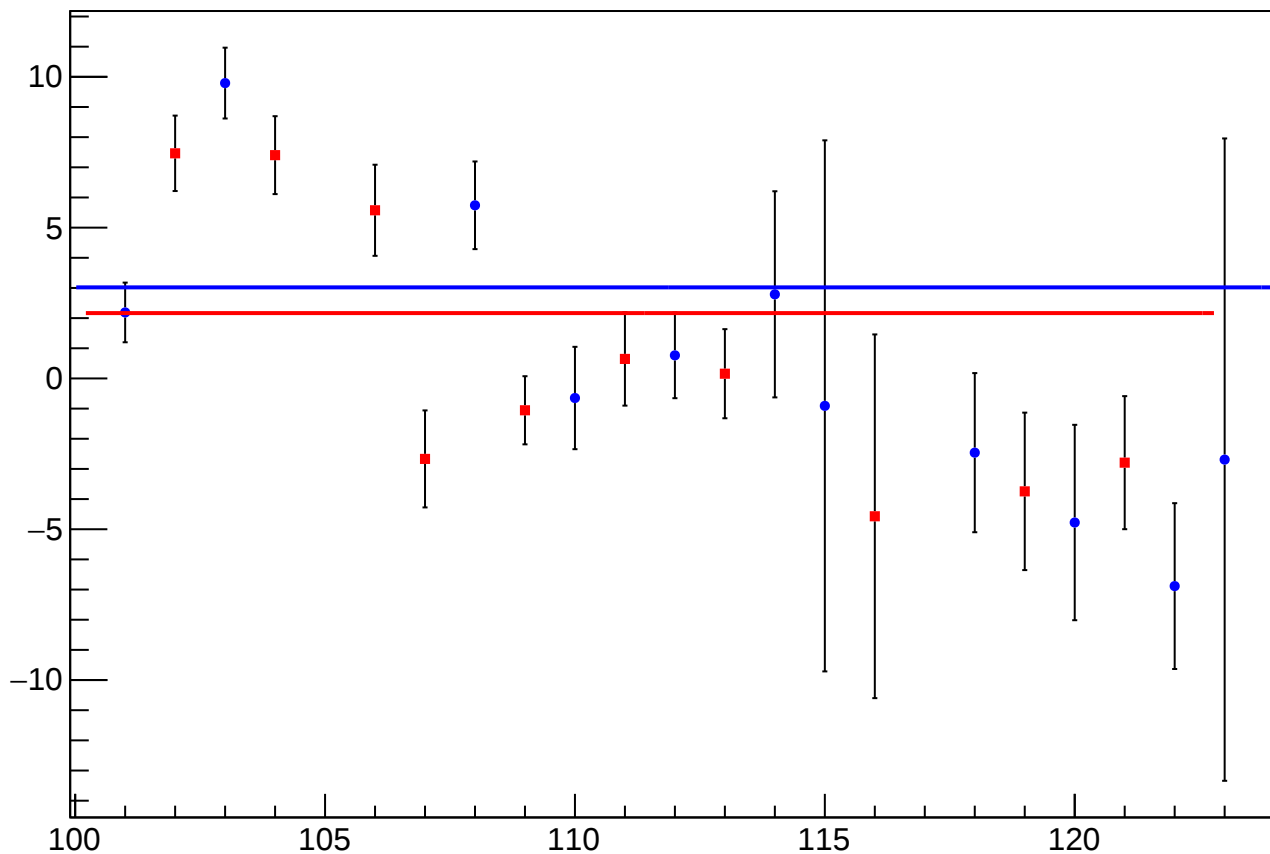
Right: 63.115 $\pm$ 0.214  $\chi^2$ /NDF: 1311.1/20

In: 63.002 $\pm$ 0.304  $\chi^2$ /NDF:647.4/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 63.115 $\pm$ 0.214  $\chi^2$ /NDF: 1311.1/20

reg\_asym\_sam5\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 3.019+/-0.531  $\chi^2/\text{NDF}$ : 68.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 2.167+/-0.494  $\chi^2/\text{NDF}$ : 70.9/9

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

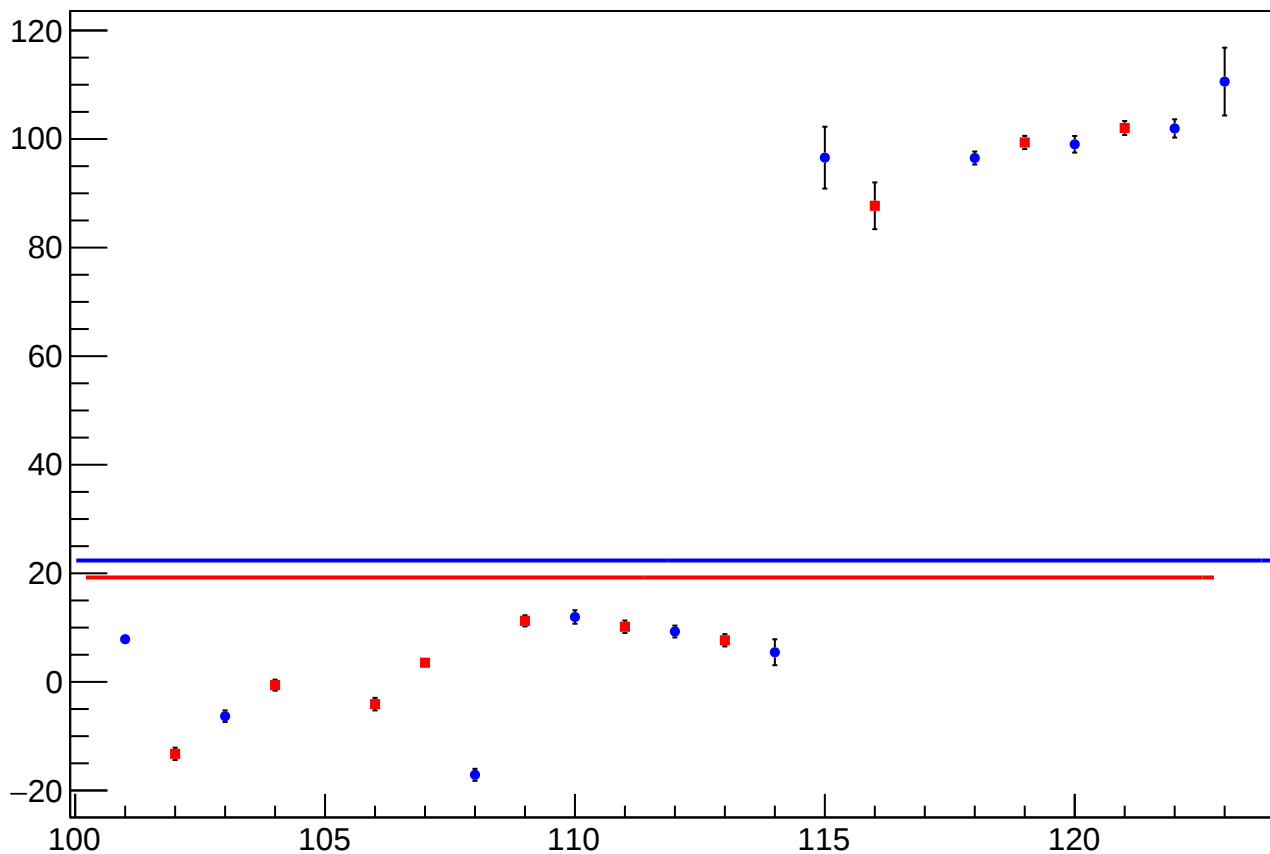
Right: 2.562+/-0.362  $\chi^2/\text{NDF}$ : 140.5/20

In: 3.019+/-0.531  $\chi^2/\text{NDF}$ :68.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 2.562+/-0.362  $\chi^2/\text{NDF}$ : 140.5/20

reg\_asym\_sam5\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 22.361+/-0.363  $\chi^2/\text{NDF}$ : 11772.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 19.232+/-0.359  $\chi^2/\text{NDF}$ : 10923.1/9

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

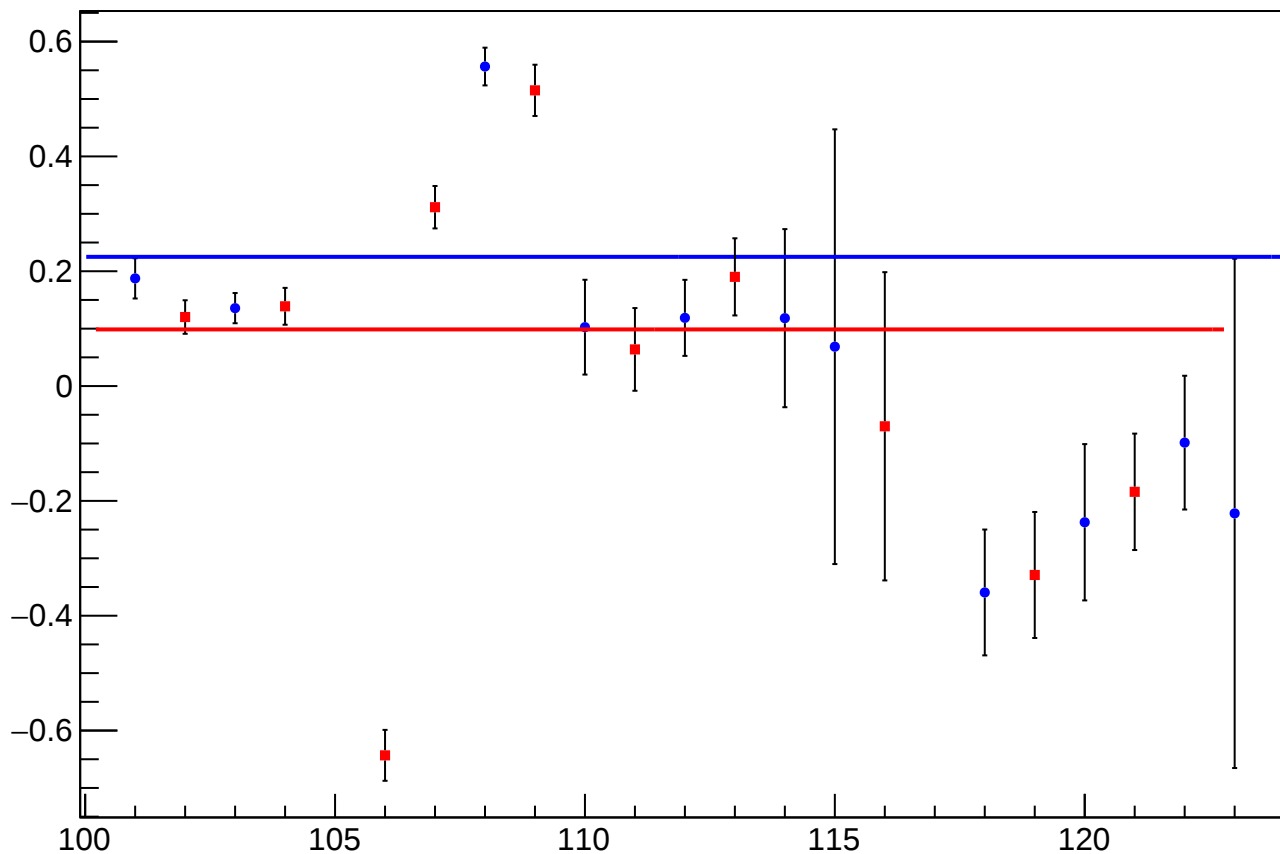
Right: 20.778+/-0.255  $\chi^2/\text{NDF}$ : 22733.5/20

In: 22.361+/-0.363  $\chi^2/\text{NDF}$ : 11772.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 20.778+/-0.255  $\chi^2/\text{NDF}$ : 22733.5/20

reg\_asym\_sam5\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.225+/-0.016  $\chi^2/\text{NDF}$ : 168.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.099+/-0.015  $\chi^2/\text{NDF}$ : 427.8/9

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

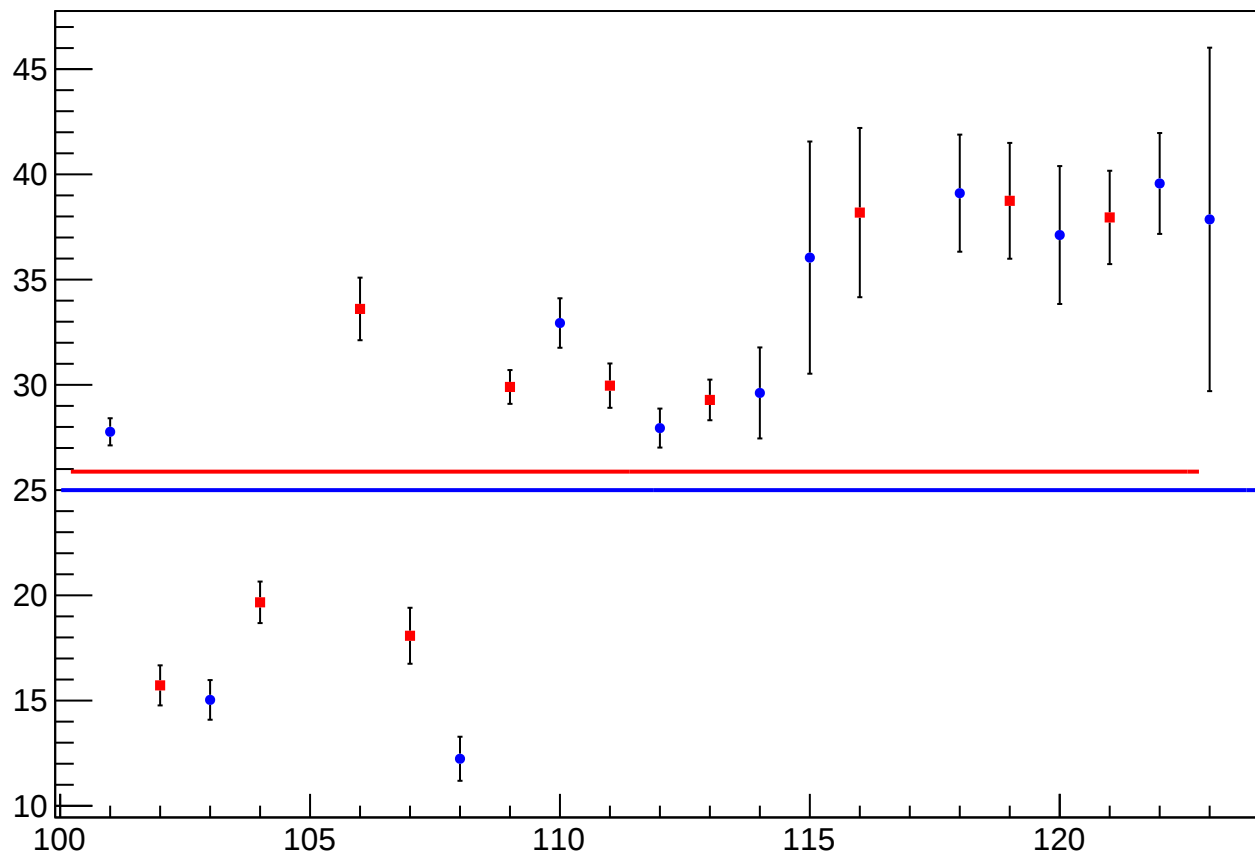
Right: 0.157+/-0.011  $\chi^2/\text{NDF}$ : 629.4/20

In: 0.225+/-0.016  $\chi^2/\text{NDF}$ : 168.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.157+/-0.011  $\chi^2/\text{NDF}$ : 629.4/20

reg\_asym\_sam6\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 24.998+/-0.378  $\chi^2/\text{NDF}$ : 422.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 25.877+/-0.376  $\chi^2/\text{NDF}$ : 328.3/9

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

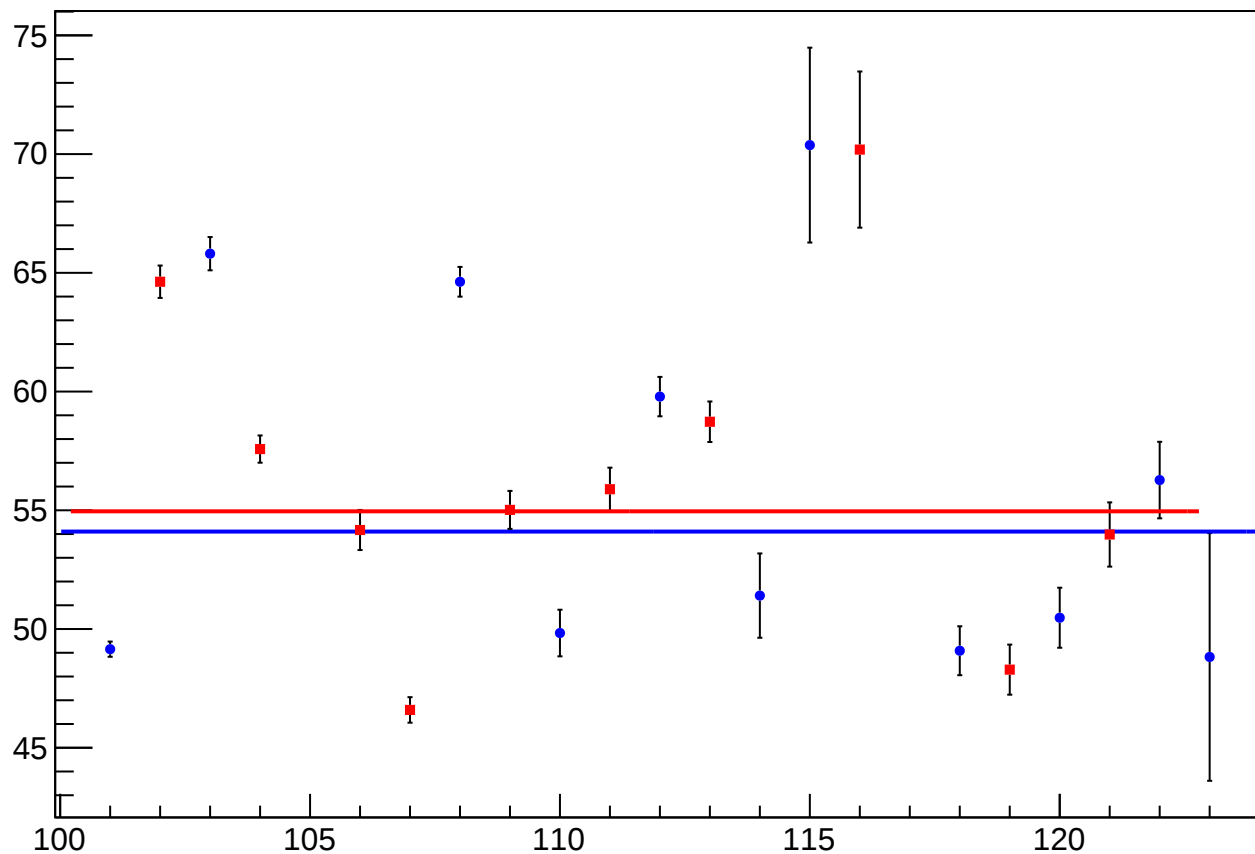
Right: 25.440+/-0.267  $\chi^2/\text{NDF}$ : 753.2/20

In: 24.998+/-0.378  $\chi^2/\text{NDF}$ : 422.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 25.440+/-0.267  $\chi^2/\text{NDF}$ : 753.2/20

reg\_asym\_sam6\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 54.104 $\pm$ 0.228  $\chi^2$ /NDF: 919.4/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 54.957 $\pm$ 0.252  $\chi^2$ /NDF: 547.6/9

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

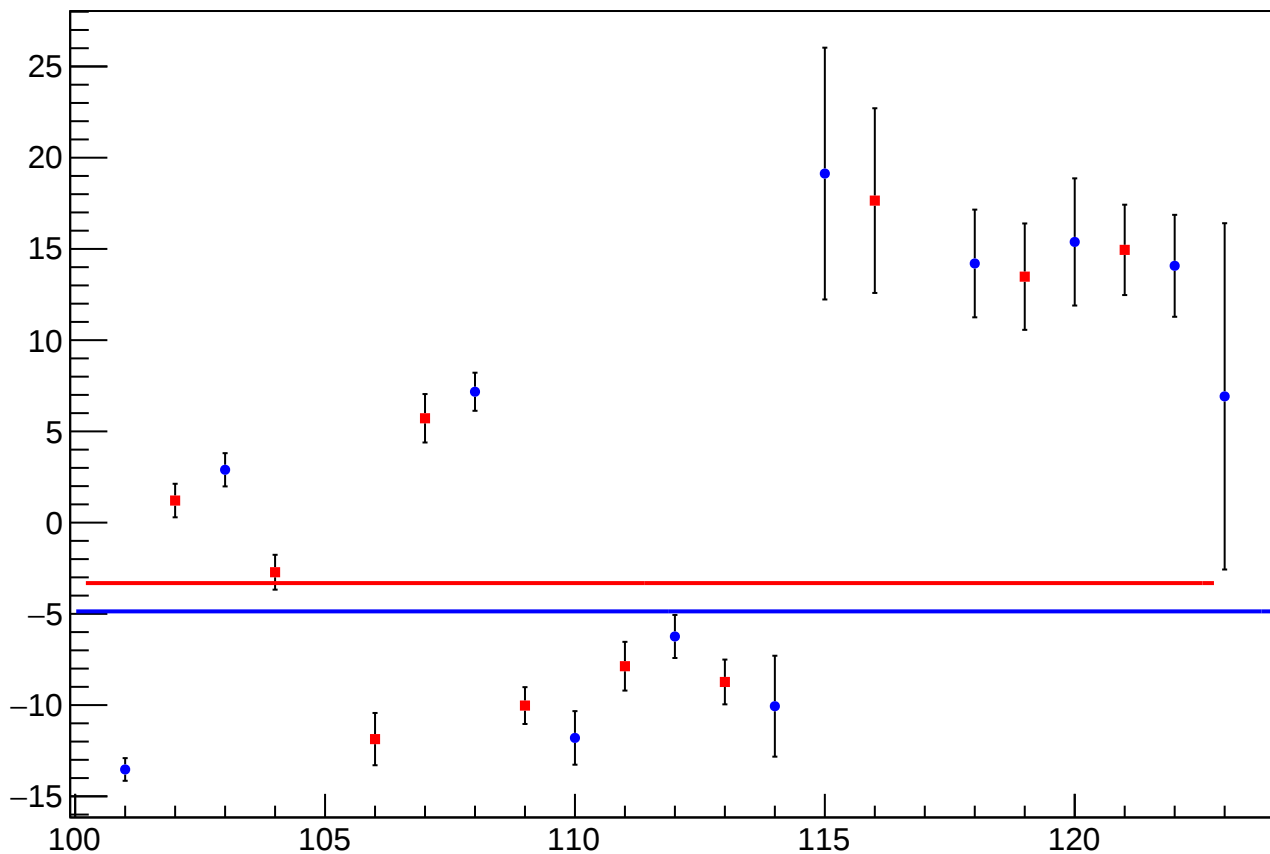
Right: 54.488 $\pm$ 0.169  $\chi^2$ /NDF: 1473.3/20

In: 54.104 $\pm$ 0.228  $\chi^2$ /NDF: 919.4/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 54.488 $\pm$ 0.169  $\chi^2$ /NDF: 1473.3/20

reg\_asym\_sam6\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -4.864+/-0.396  $\chi^2/\text{NDF}$ : 562.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.314+/-0.413  $\chi^2/\text{NDF}$ : 286.6/9

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

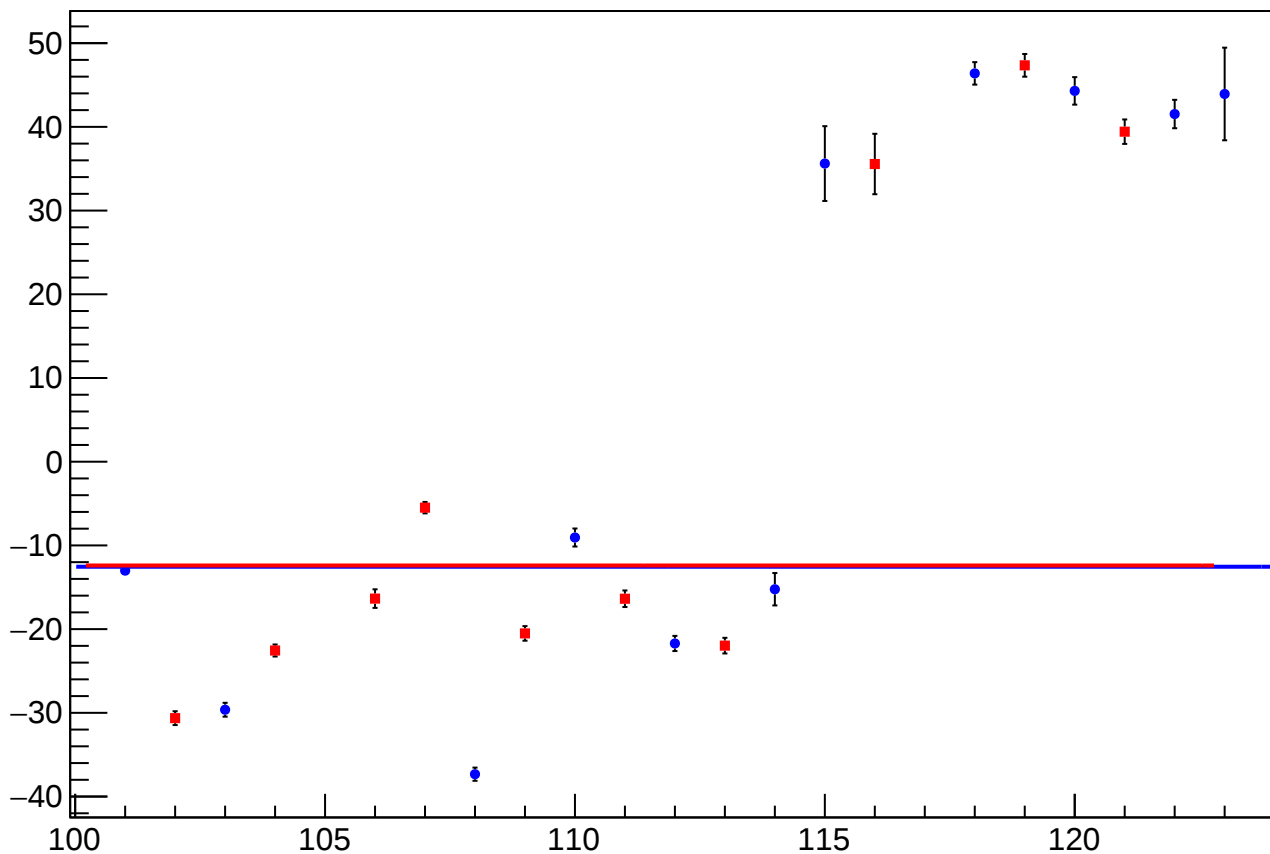
Right: -4.122+/-0.286  $\chi^2/\text{NDF}$ : 856.1/20

In: -4.864+/-0.396  $\chi^2/\text{NDF}$ : 562.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -4.122+/-0.286  $\chi^2/\text{NDF}$ : 856.1/20

reg\_asym\_sam6\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -12.547 $\pm$ 0.274  $\chi^2$ /NDF: 5892.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -12.397 $\pm$ 0.302  $\chi^2$ /NDF: 4388.9/9

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

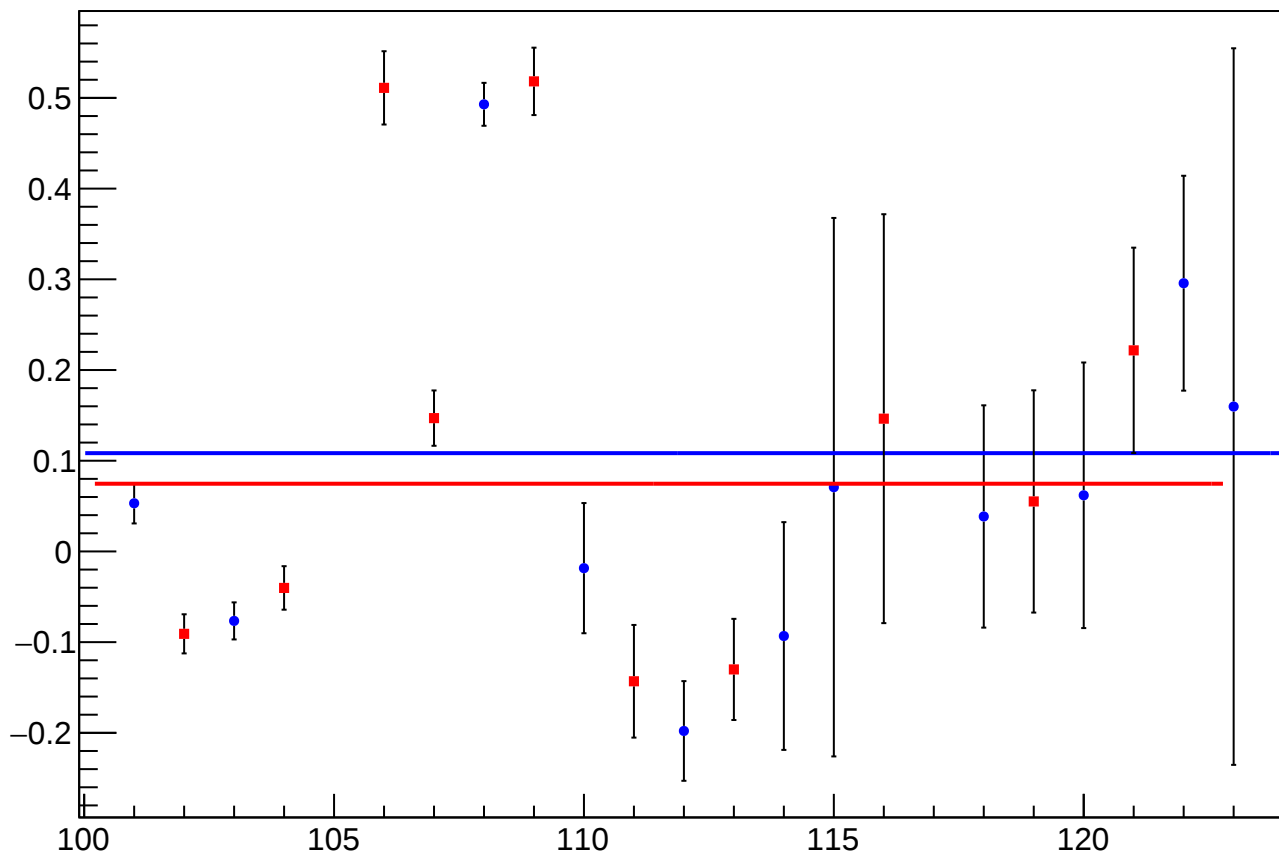
Right: -12.480 $\pm$ 0.203  $\chi^2$ /NDF: 10281.9/20

In: -12.547 $\pm$ 0.274  $\chi^2$ /NDF:5892.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -12.480 $\pm$ 0.203  $\chi^2$ /NDF: 10281.9/20

reg\_asym\_sam6\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.108 $\pm$ 0.012  $\chi^2$ /NDF: 392.2/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.075 $\pm$ 0.012  $\chi^2$ /NDF: 374.3/9

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

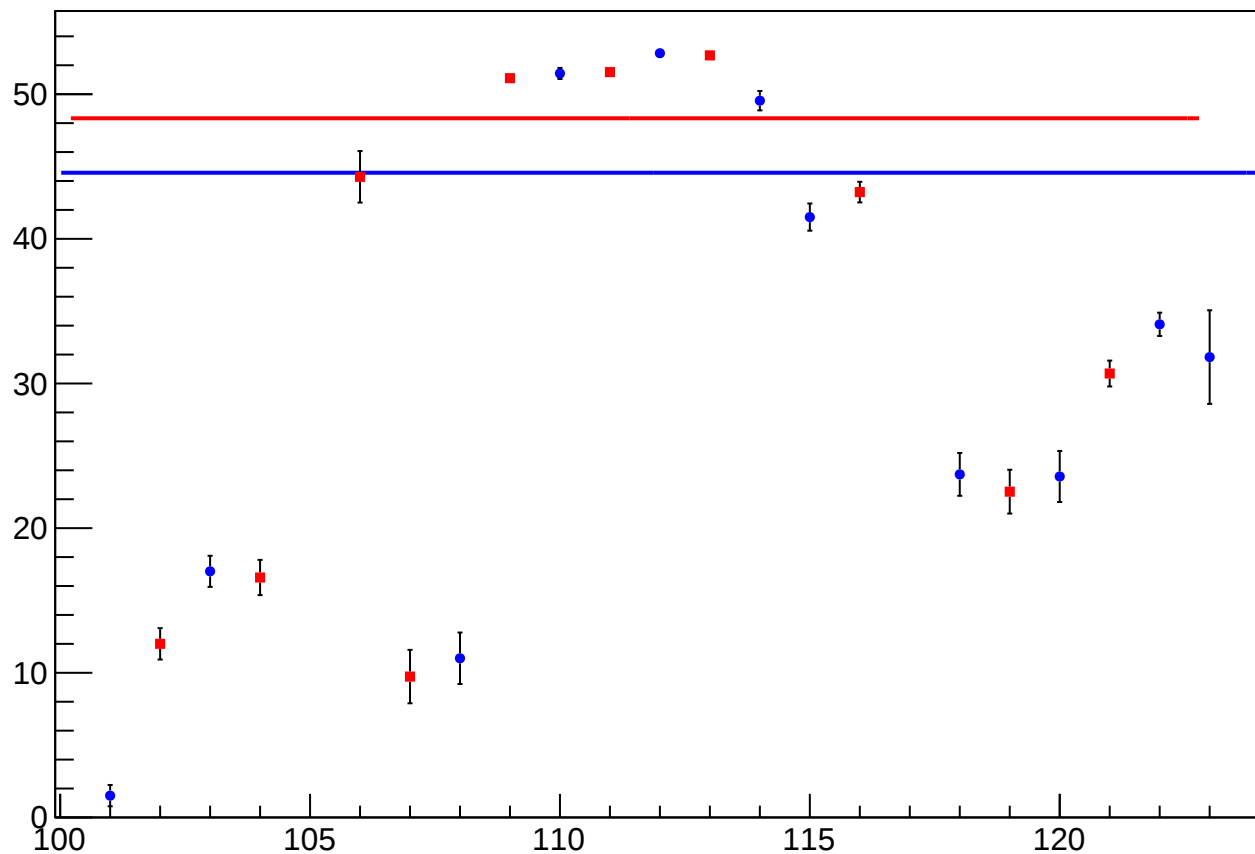
Right: 0.091 $\pm$ 0.008  $\chi^2$ /NDF: 770.4/20

In: 0.108 $\pm$ 0.012  $\chi^2$ /NDF:392.2/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.091 $\pm$ 0.008  $\chi^2$ /NDF: 770.4/20

reg\_asym\_sam7\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 44.571+/-0.193  $\chi^2/\text{NDF}$ : 6109.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 48.335+/-0.162  $\chi^2/\text{NDF}$ : 3353.0/9

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

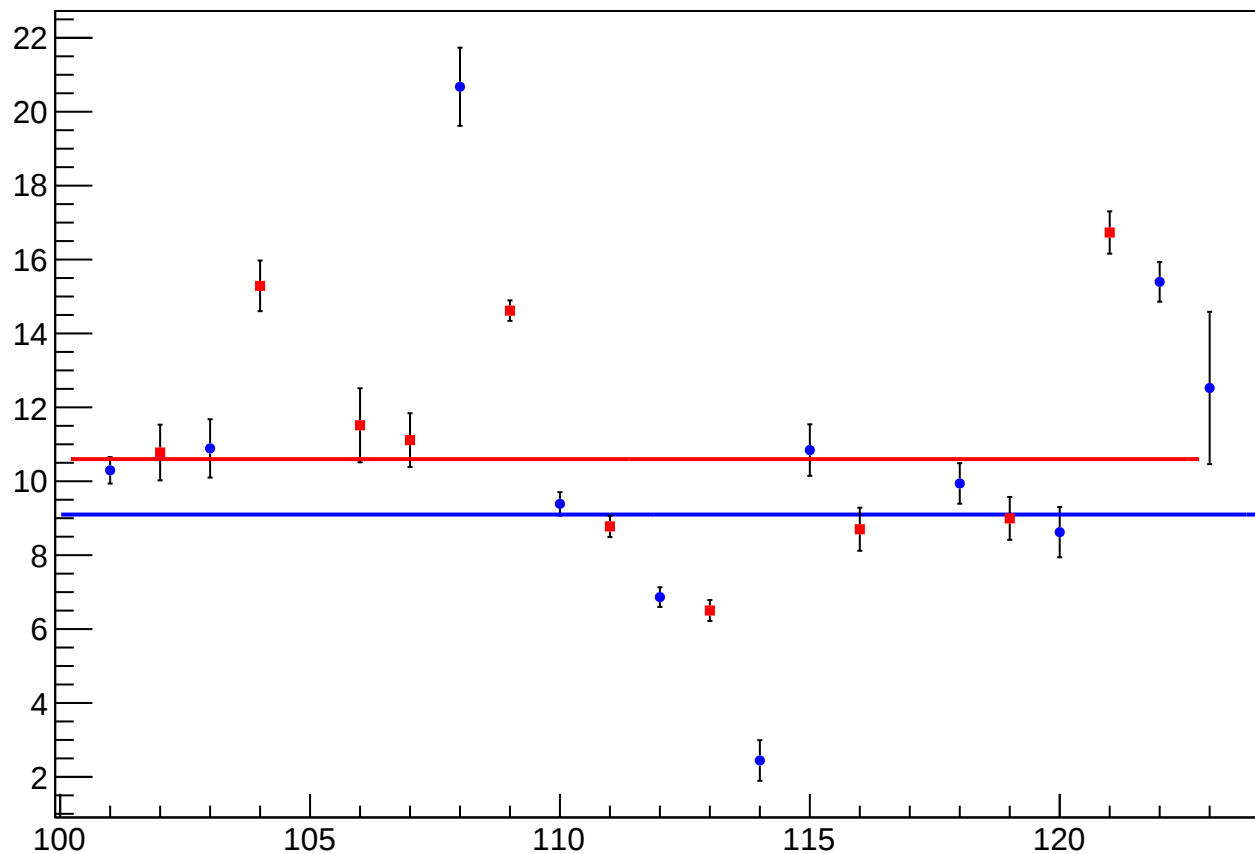
Right: 46.775+/-0.124  $\chi^2/\text{NDF}$ : 9685.4/20

In: 44.571+/-0.193  $\chi^2/\text{NDF}$ : 6109.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 46.775+/-0.124  $\chi^2/\text{NDF}$ : 9685.4/20

reg\_asym\_sam7\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.099 $\pm$ 0.143  $\chi^2$ /NDF: 502.2/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 10.600 $\pm$ 0.137  $\chi^2$ /NDF: 639.9/9

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

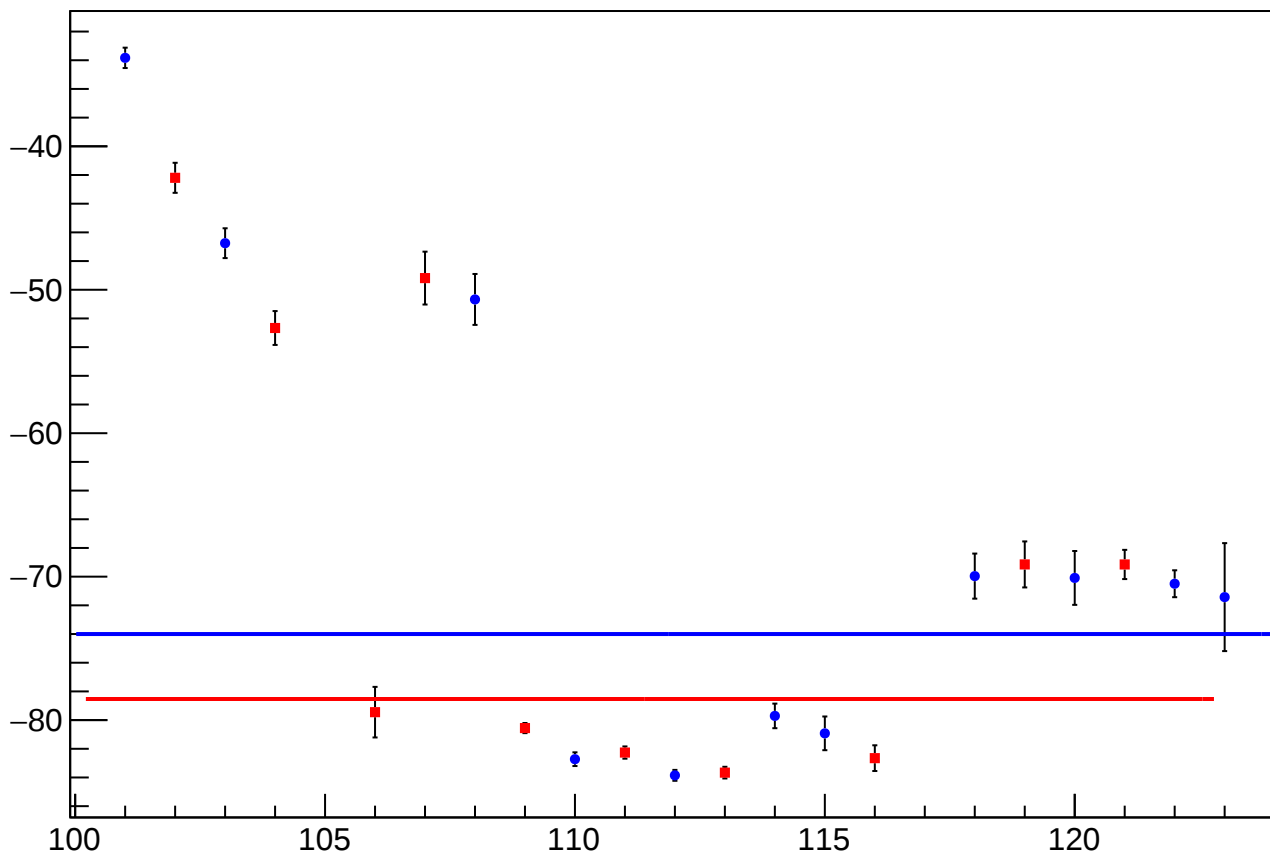
Right: 9.881 $\pm$ 0.099  $\chi^2$ /NDF: 1199.5/20

In: 9.099 $\pm$ 0.143  $\chi^2$ /NDF:502.2/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 9.881 $\pm$ 0.099  $\chi^2$ /NDF: 1199.5/20

reg\_asym\_sam7\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-74.001 \pm 0.232$   $\chi^2/\text{NDF}$ : 5172.4/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-78.529 \pm 0.203$   $\chi^2/\text{NDF}$ : 2346.6/9

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

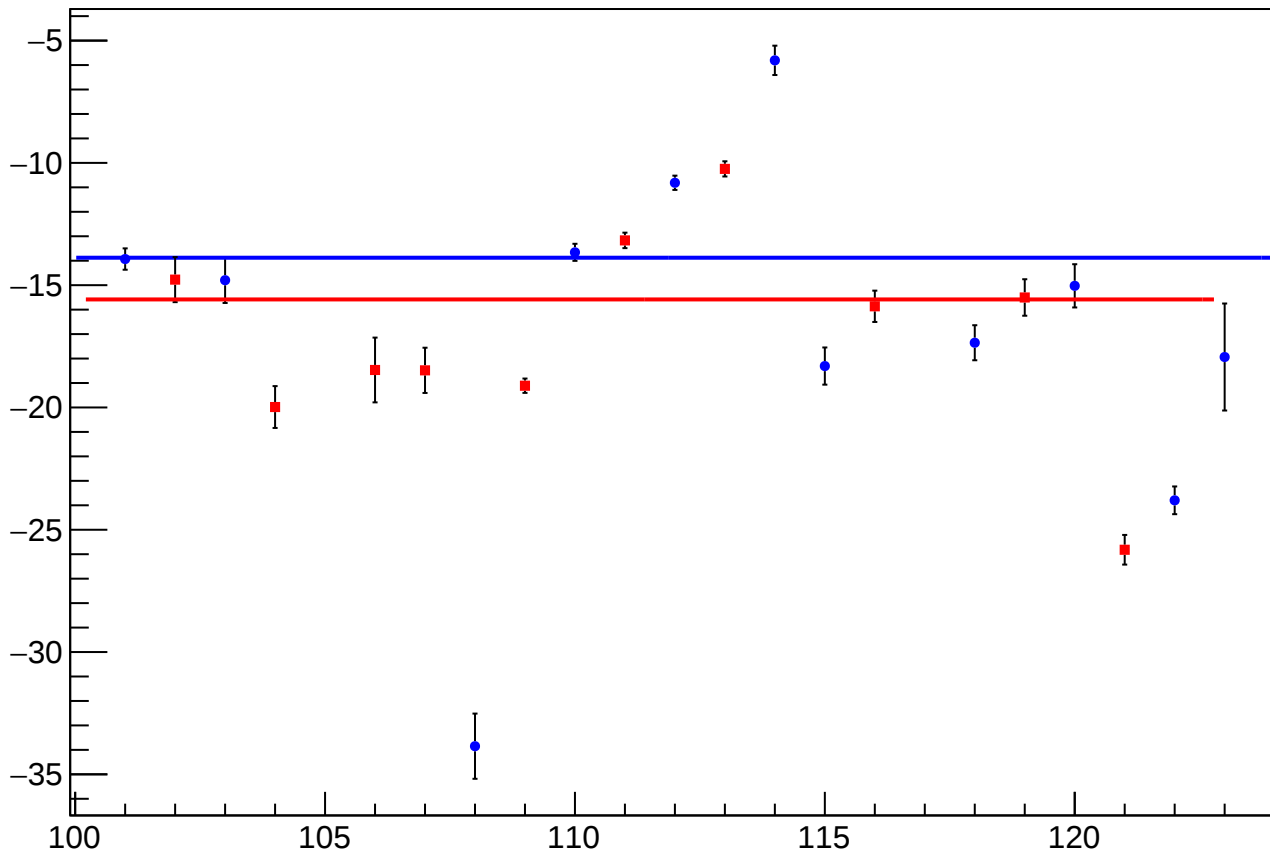
Right:  $-76.574 \pm 0.153$   $\chi^2/\text{NDF}$ : 7734.7/20

In:  $-74.001 \pm 0.232$   $\chi^2/\text{NDF}$ : 5172.4/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-76.574 \pm 0.153$   $\chi^2/\text{NDF}$ : 7734.7/20

reg\_asym\_sam7\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-13.877 \pm 0.162$   $\chi^2/\text{NDF}$ : 885.9/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-15.583 \pm 0.152$   $\chi^2/\text{NDF}$ : 825.7/9

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

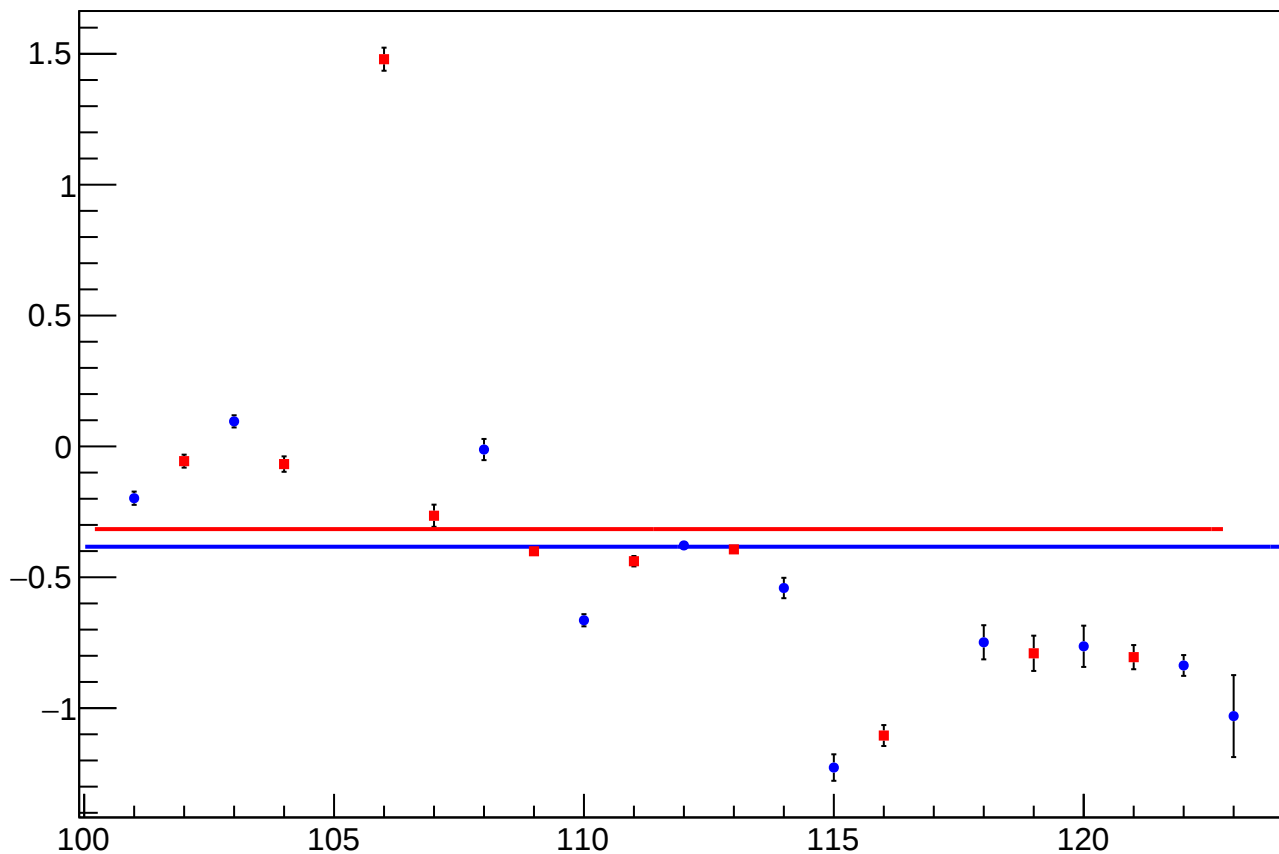
Right:  $-14.786 \pm 0.111$   $\chi^2/\text{NDF}$ : 1770.5/20

In:  $-13.877 \pm 0.162$   $\chi^2/\text{NDF}$ : 885.9/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-14.786 \pm 0.111$   $\chi^2/\text{NDF}$ : 1770.5/20

reg\_asym\_sam7\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.383 \pm 0.009$   $\chi^2/\text{NDF}$ : 1202.5/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.316 \pm 0.008$   $\chi^2/\text{NDF}$ : 2473.2/9

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

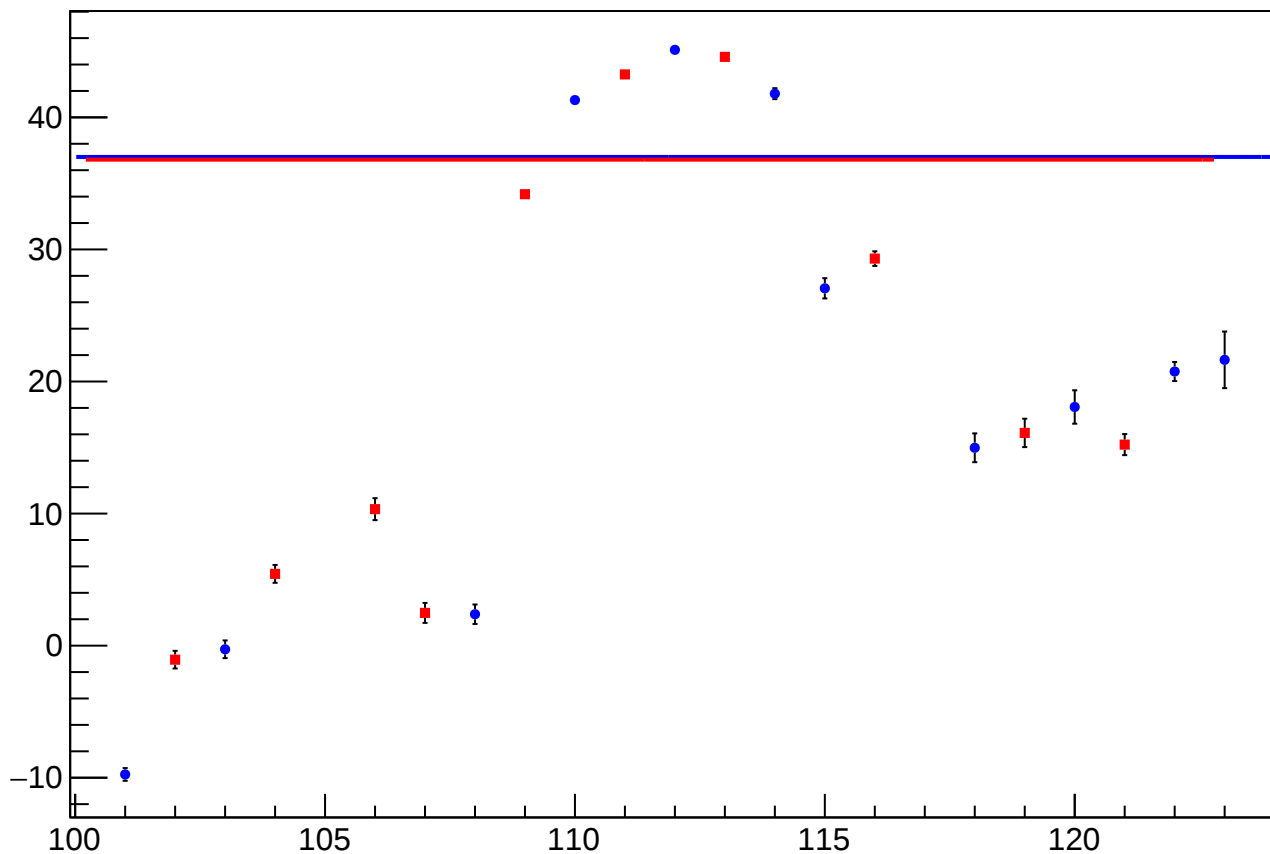
Right:  $-0.346 \pm 0.006$   $\chi^2/\text{NDF}$ : 3703.9/20

In:  $-0.383 \pm 0.009$   $\chi^2/\text{NDF}$ : 1202.5/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.346 \pm 0.006$   $\chi^2/\text{NDF}$ : 3703.9/20

reg\_asym\_sam8\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 37.003+/-0.112  $\chi^2/\text{NDF}$ : 19092.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 36.798+/-0.091  $\chi^2/\text{NDF}$ : 13241.5/9

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

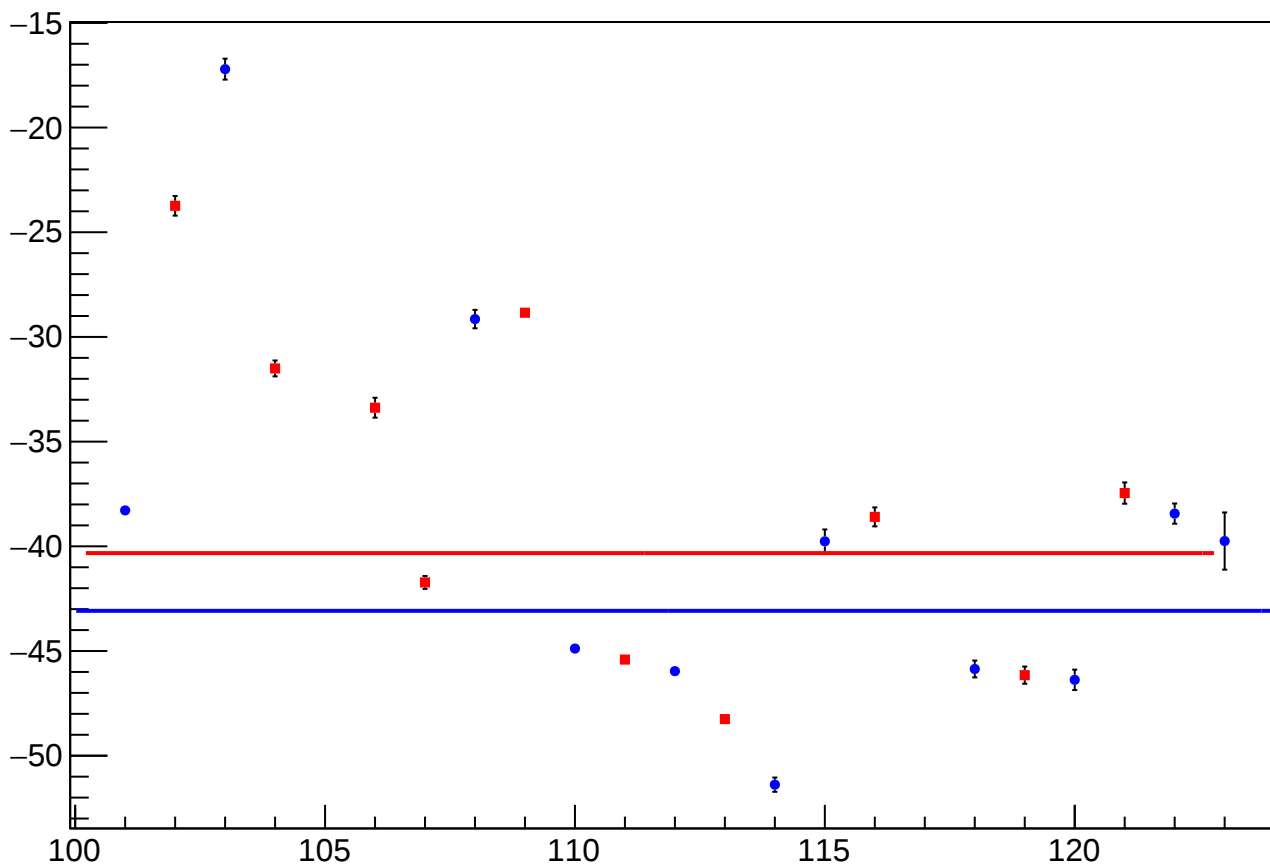
Right: 36.880+/-0.070  $\chi^2/\text{NDF}$ : 32335.9/20

In: 37.003+/-0.112  $\chi^2/\text{NDF}$ : 19092.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 36.880+/-0.070  $\chi^2/\text{NDF}$ : 32335.9/20

reg\_asym\_sam8\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-43.081 \pm 0.086$   $\chi^2/\text{NDF}: 5416.9/10$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-40.324 \pm 0.080$   $\chi^2/\text{NDF}: 10302.3/9$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

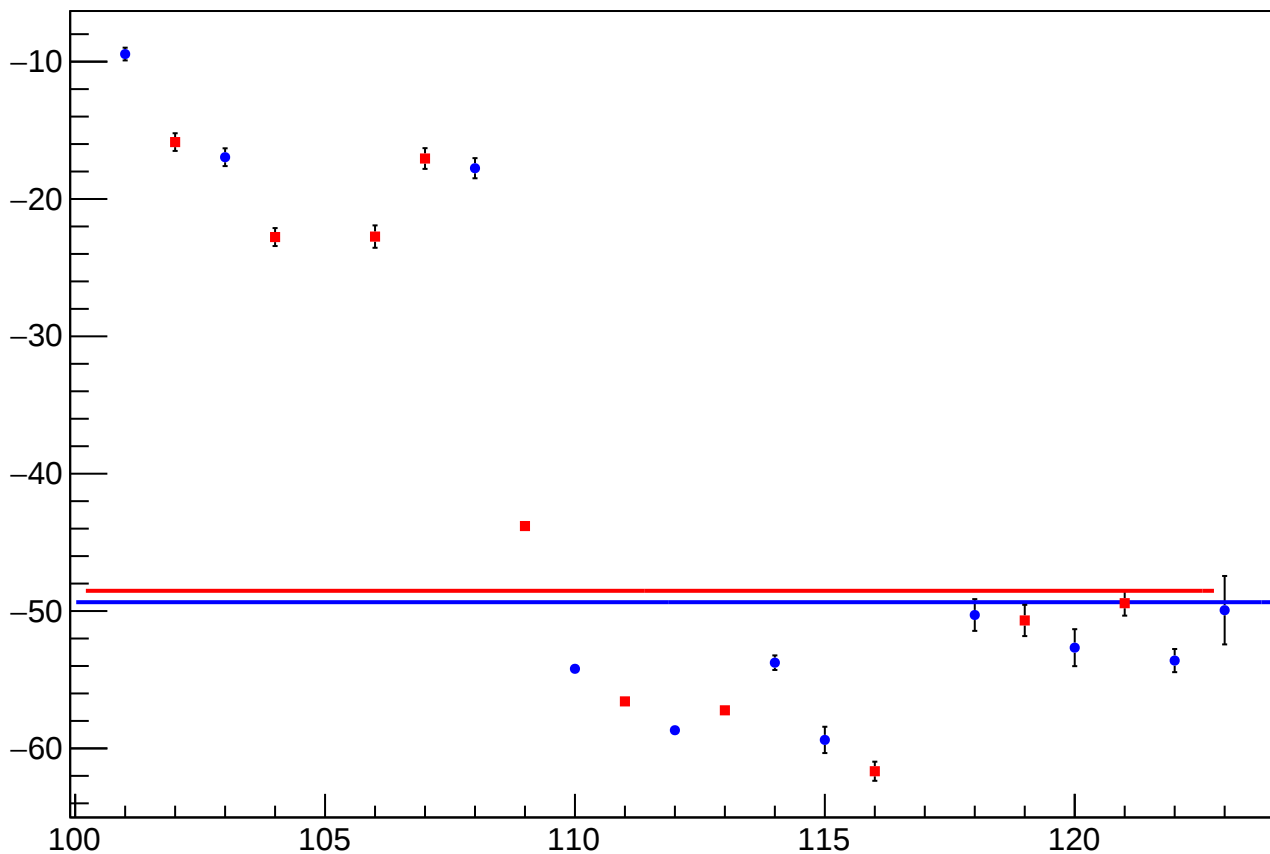
Right:  $-41.589 \pm 0.058$   $\chi^2/\text{NDF}: 16270.8/20$

In:  $-43.081 \pm 0.086$   $\chi^2/\text{NDF}: 5416.9/10$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-41.589 \pm 0.058$   $\chi^2/\text{NDF}: 16270.8/20$

reg\_asym\_sam8\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -49.356+/-0.136  $\chi^2/\text{NDF}$ : 14293.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -48.527+/-0.114  $\chi^2/\text{NDF}$ : 10550.8/9

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

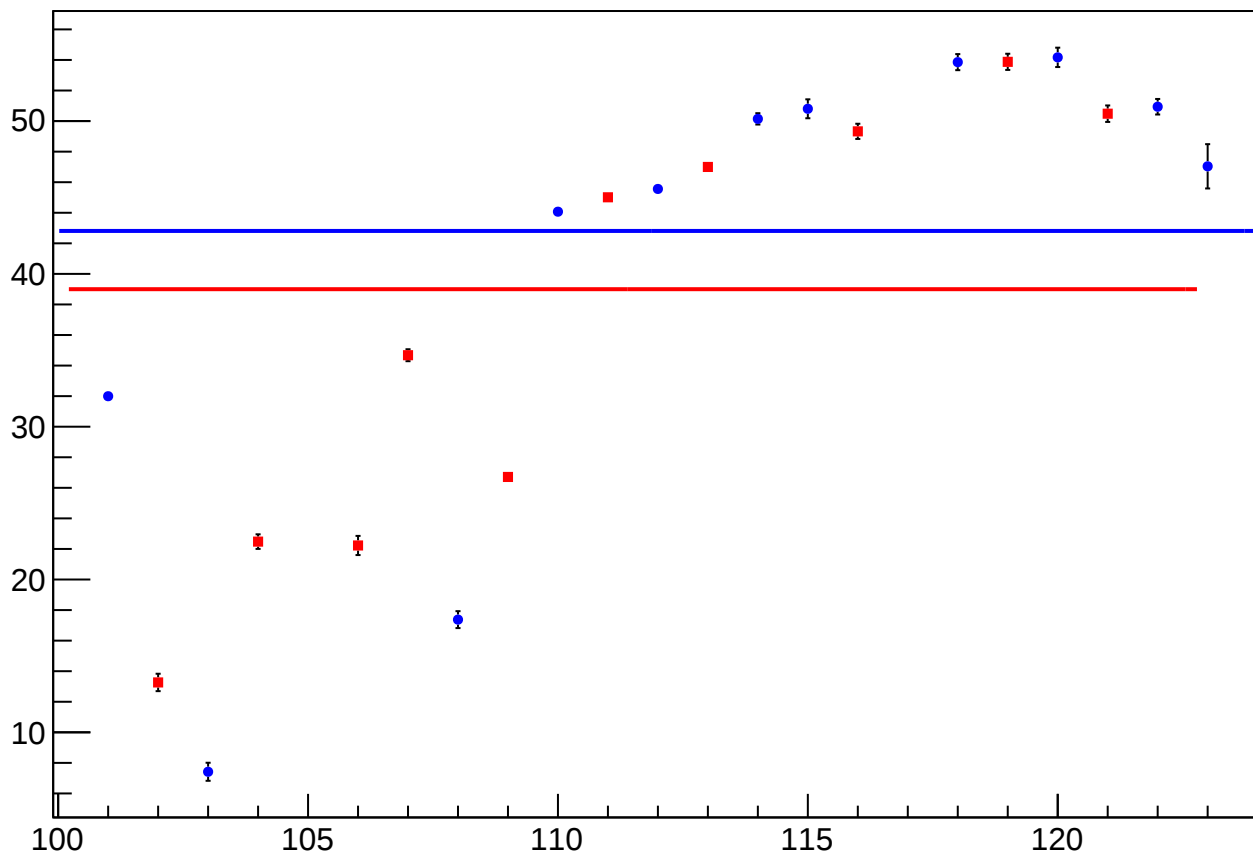
Right: -48.868+/-0.087  $\chi^2/\text{NDF}$ : 24866.0/20

In: -49.356+/-0.136  $\chi^2/\text{NDF}$ :14293.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -48.868+/-0.087  $\chi^2/\text{NDF}$ : 24866.0/20

reg\_asym\_sam8\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 42.811 $\pm$ 0.097  $\chi^2$ /NDF: 9063.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 38.999 $\pm$ 0.088  $\chi^2$ /NDF: 13969.7/9

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

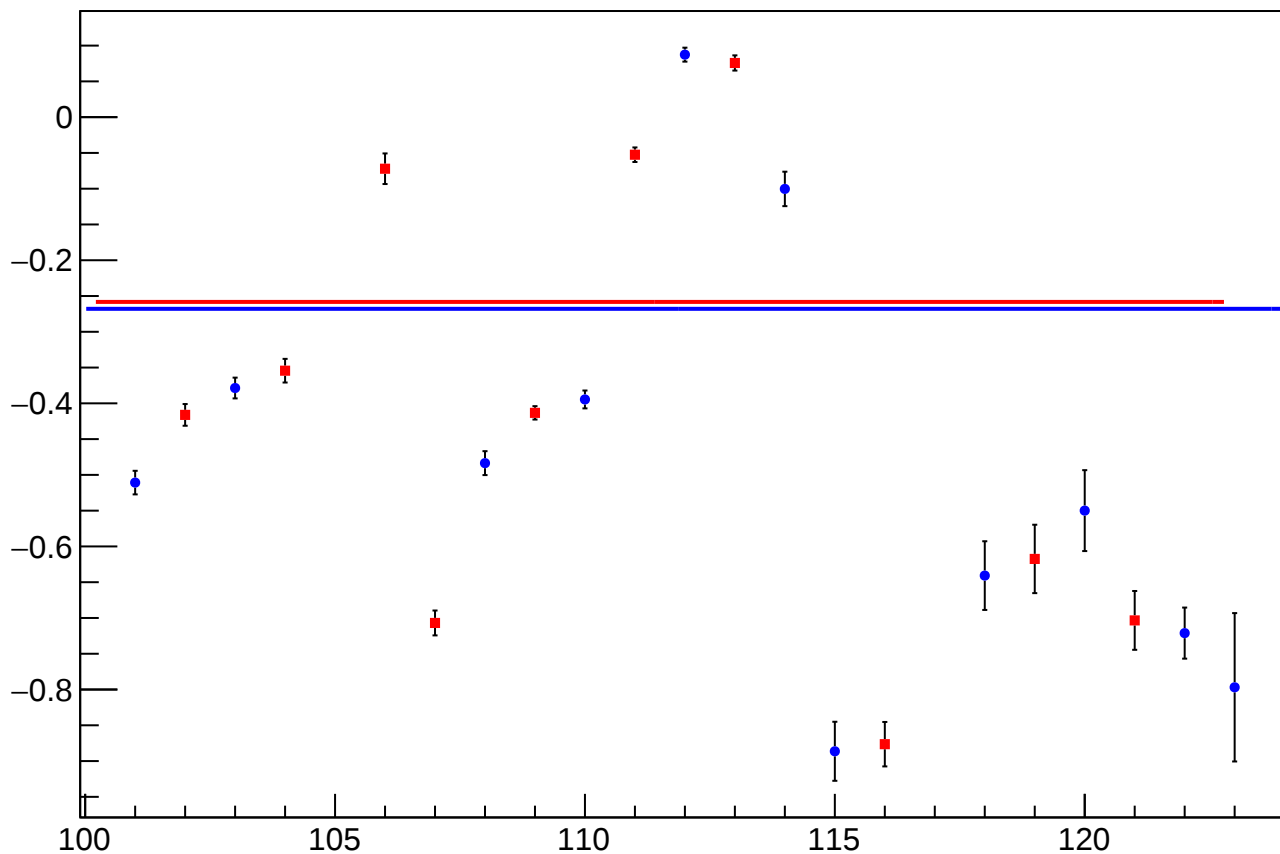
Right: 40.713 $\pm$ 0.065  $\chi^2$ /NDF: 23876.4/20

In: 42.811 $\pm$ 0.097  $\chi^2$ /NDF:9063.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 40.713 $\pm$ 0.065  $\chi^2$ /NDF: 23876.4/20

reg\_asym\_sam8\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.268+/-0.006  $\chi^2$ /NDF: 2417.3/10

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.258+/-0.005  $\chi^2$ /NDF: 3124.6/9

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

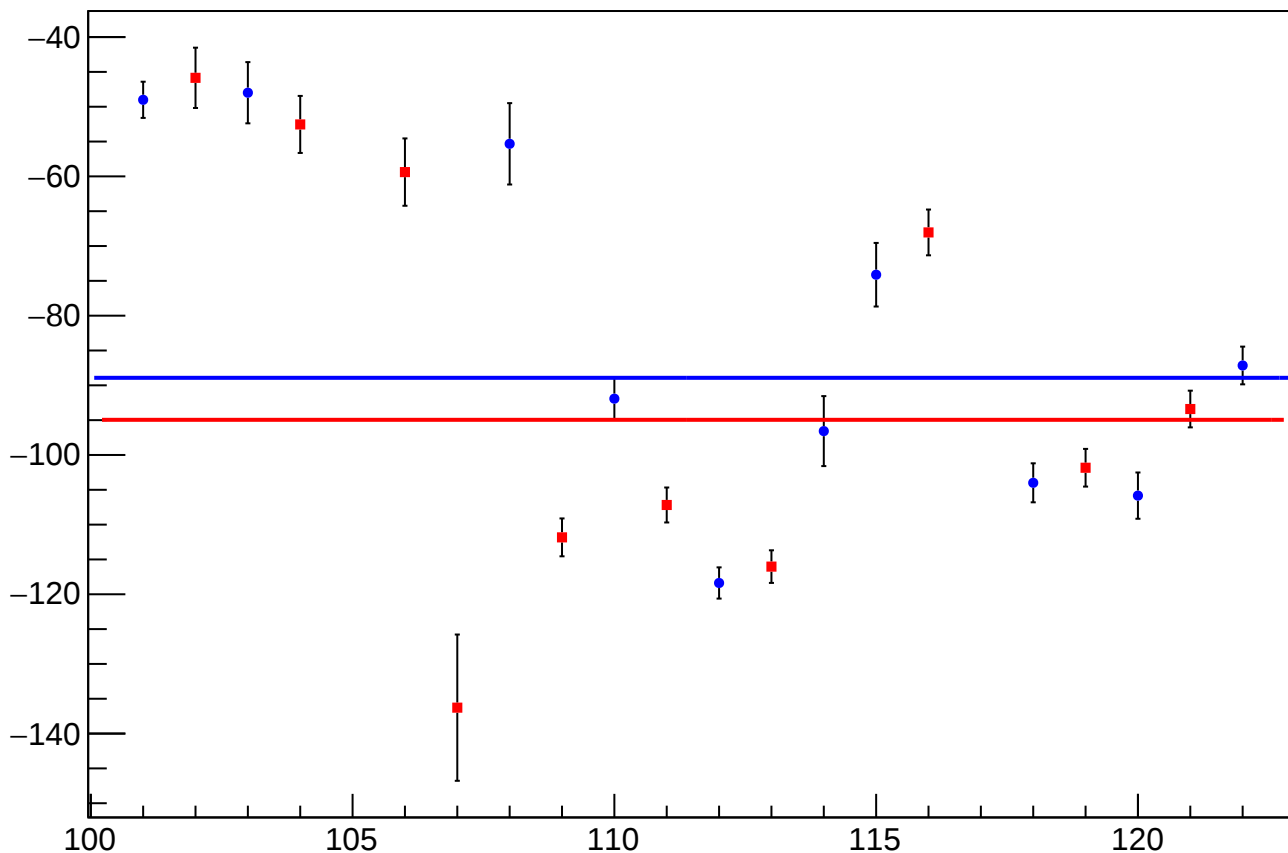
Right: -0.262+/-0.004  $\chi^2$ /NDF: 5543.7/20

In: -0.268+/-0.006  $\chi^2$ /NDF:2417.3/10

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -0.262+/-0.004  $\chi^2$ /NDF: 5543.7/20

reg\_asym\_usl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -88.921 $\pm$ 1.008  $\chi^2$ /NDF: 597.5/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -94.952 $\pm$ 0.993  $\chi^2$ /NDF: 522.6/9

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

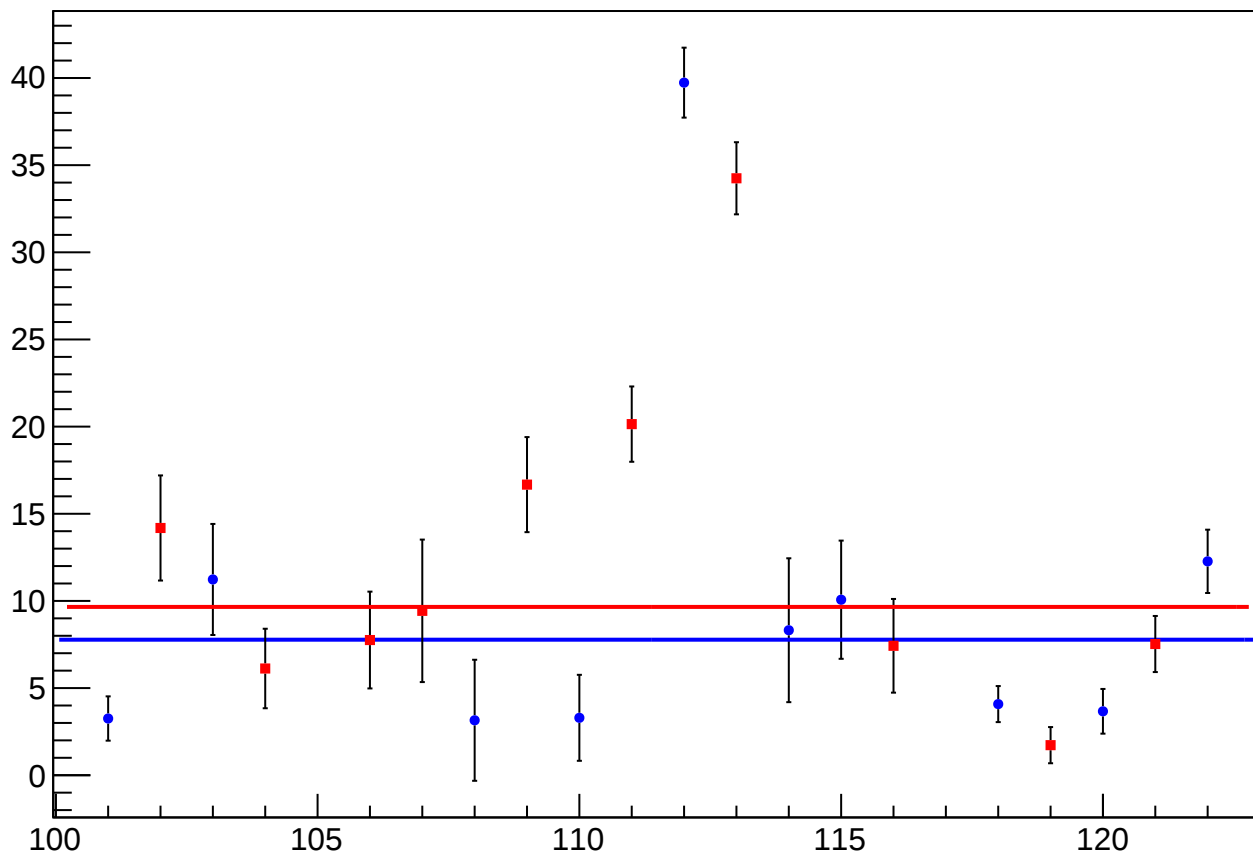
Right: -91.982 $\pm$ 0.707  $\chi^2$ /NDF: 1138.3/19

In: -88.921 $\pm$ 1.008  $\chi^2$ /NDF:597.5/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -91.982 $\pm$ 0.707  $\chi^2$ /NDF: 1138.3/19

reg\_asym\_usl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.776+/-0.559  $\chi^2/\text{NDF}$ : 302.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.656+/-0.629  $\chi^2/\text{NDF}$ : 237.4/9

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

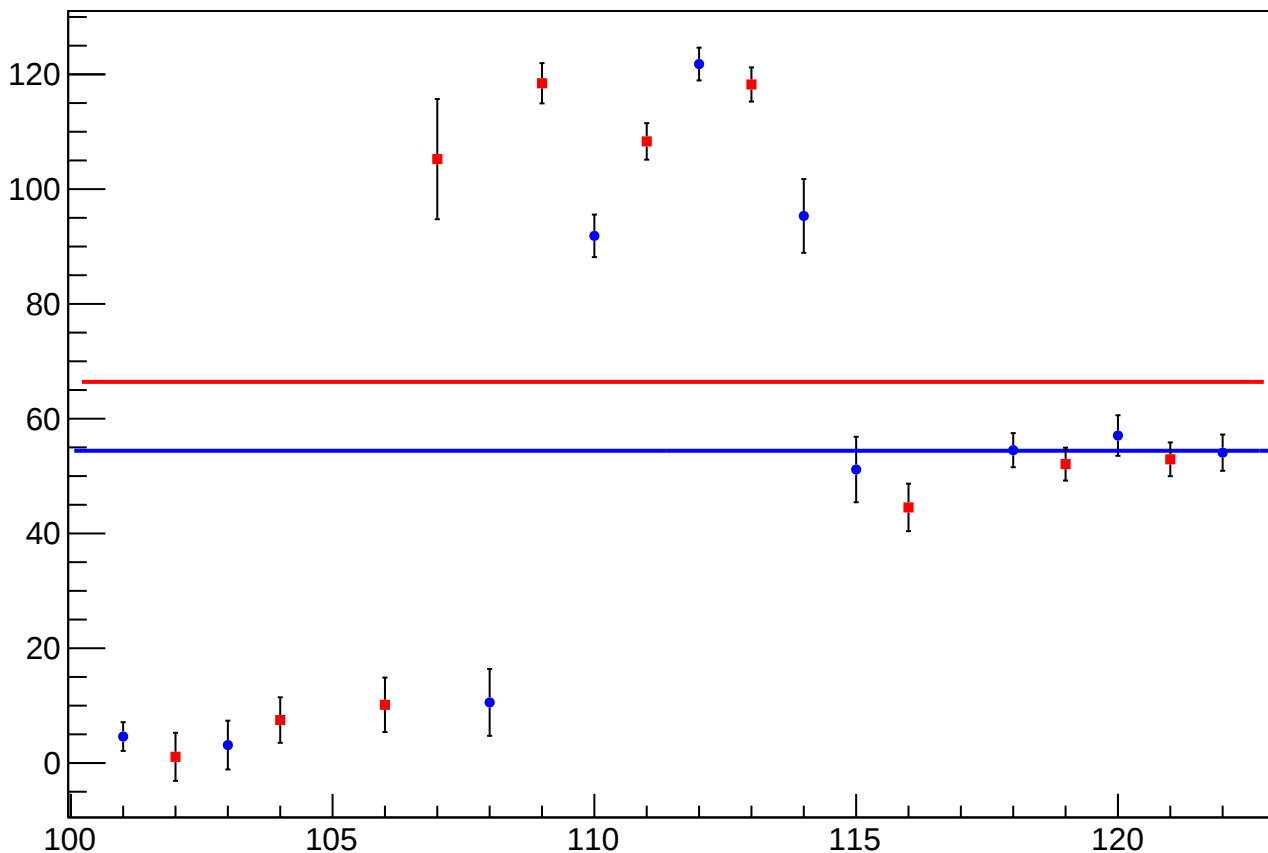
Right: 8.605+/-0.418  $\chi^2/\text{NDF}$ : 544.6/19

In: 7.776+/-0.559  $\chi^2/\text{NDF}$ : 302.2/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.605+/-0.418  $\chi^2/\text{NDF}$ : 544.6/19

# reg\_asym\_usl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 54.414+/-1.126  $\chi^2/\text{NDF}$ : 1298.3/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 66.418+/-1.145  $\chi^2/\text{NDF}$ : 1390.3/9

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

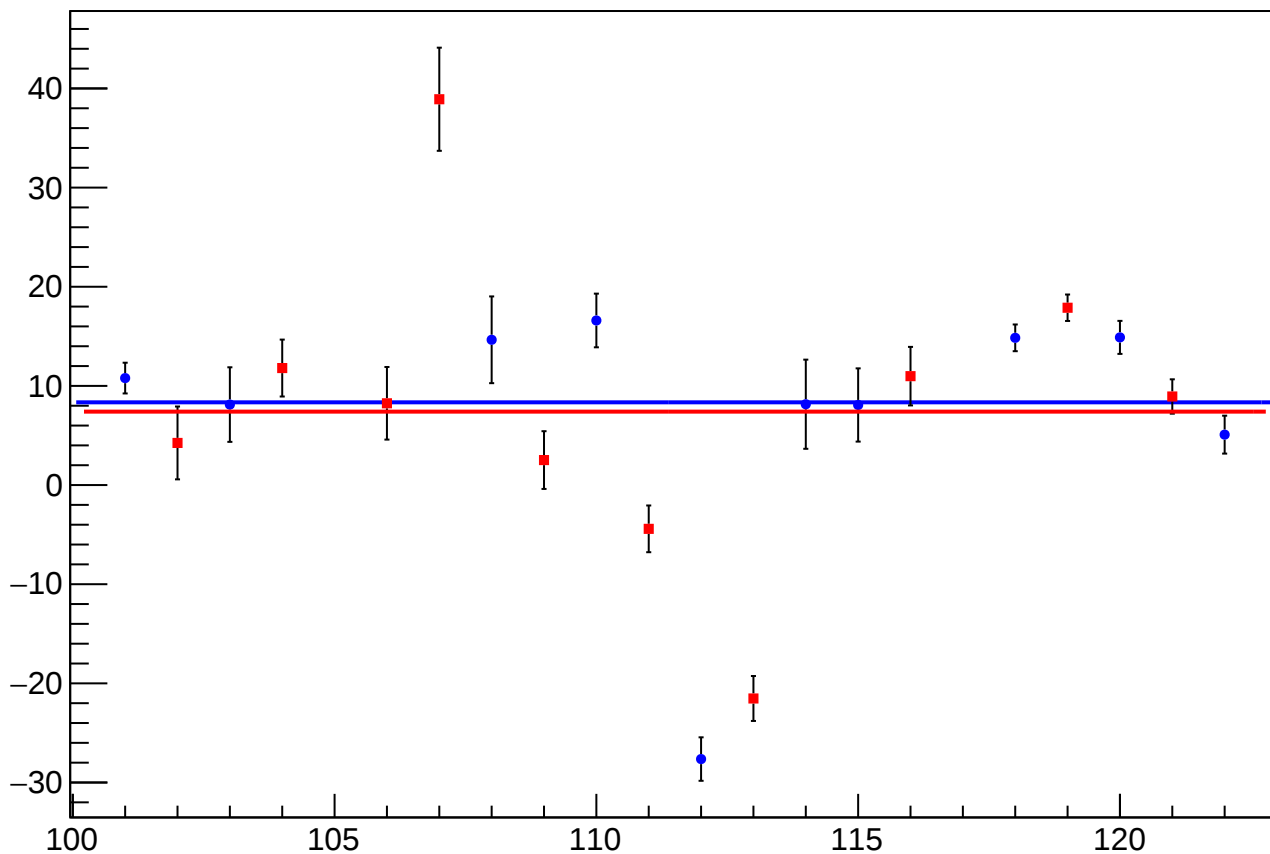
Right: 60.318+/-0.803  $\chi^2/\text{NDF}$ : 2744.5/19

In: 54.414+/-1.126  $\chi^2/\text{NDF}$ : 1298.3/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 60.318+/-0.803  $\chi^2/\text{NDF}$ : 2744.5/19

reg\_asym\_usl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.344+/-0.675  $\chi^2/\text{NDF}$ : 324.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 7.405+/-0.743  $\chi^2/\text{NDF}$ : 294.8/9

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

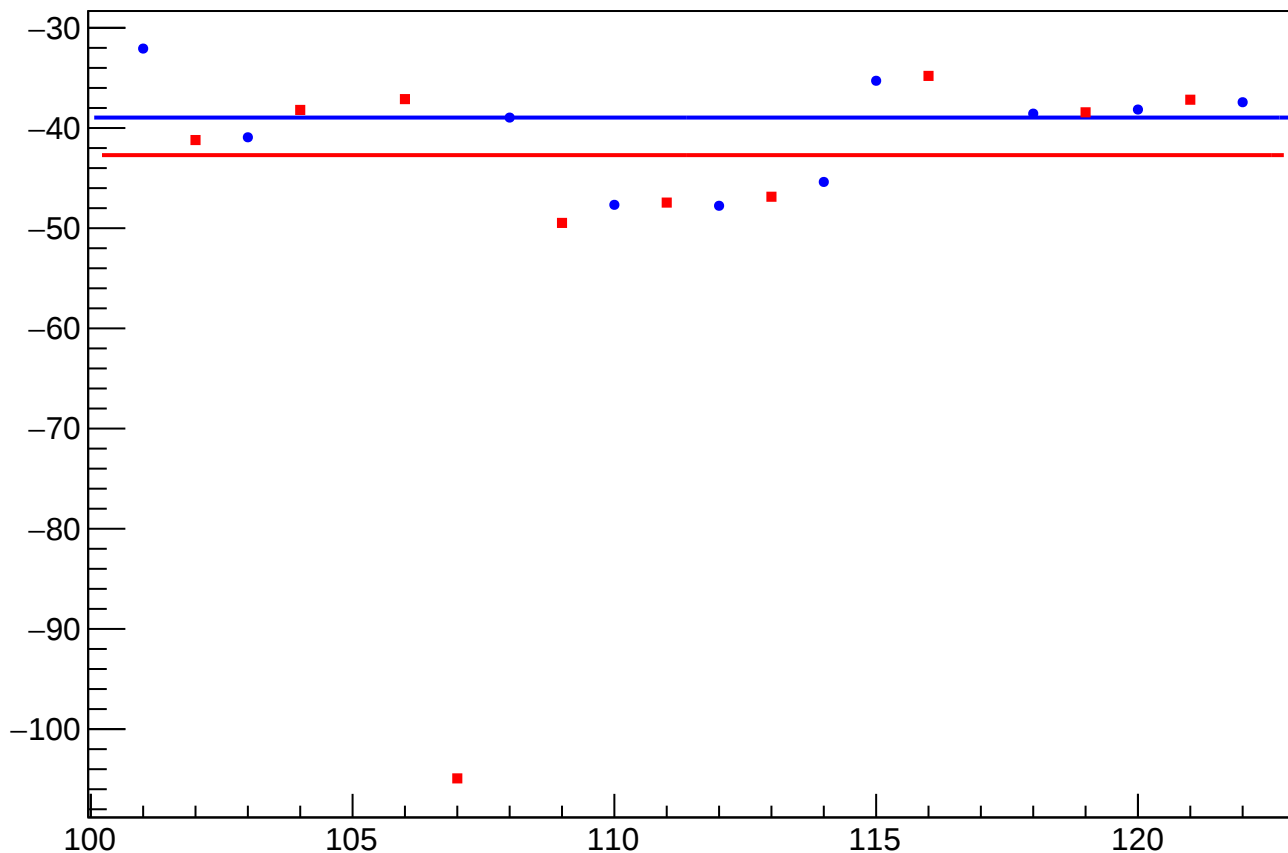
Right: 7.919+/-0.500  $\chi^2/\text{NDF}$ : 620.4/19

In: 8.344+/-0.675  $\chi^2/\text{NDF}$ :324.8/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 7.919+/-0.500  $\chi^2/\text{NDF}$ : 620.4/19

reg\_asym\_usl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.956+/-0.042  $\chi^2/\text{NDF}$ : 13860.7/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -42.706+/-0.042  $\chi^2/\text{NDF}$ : 79671.0/9

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

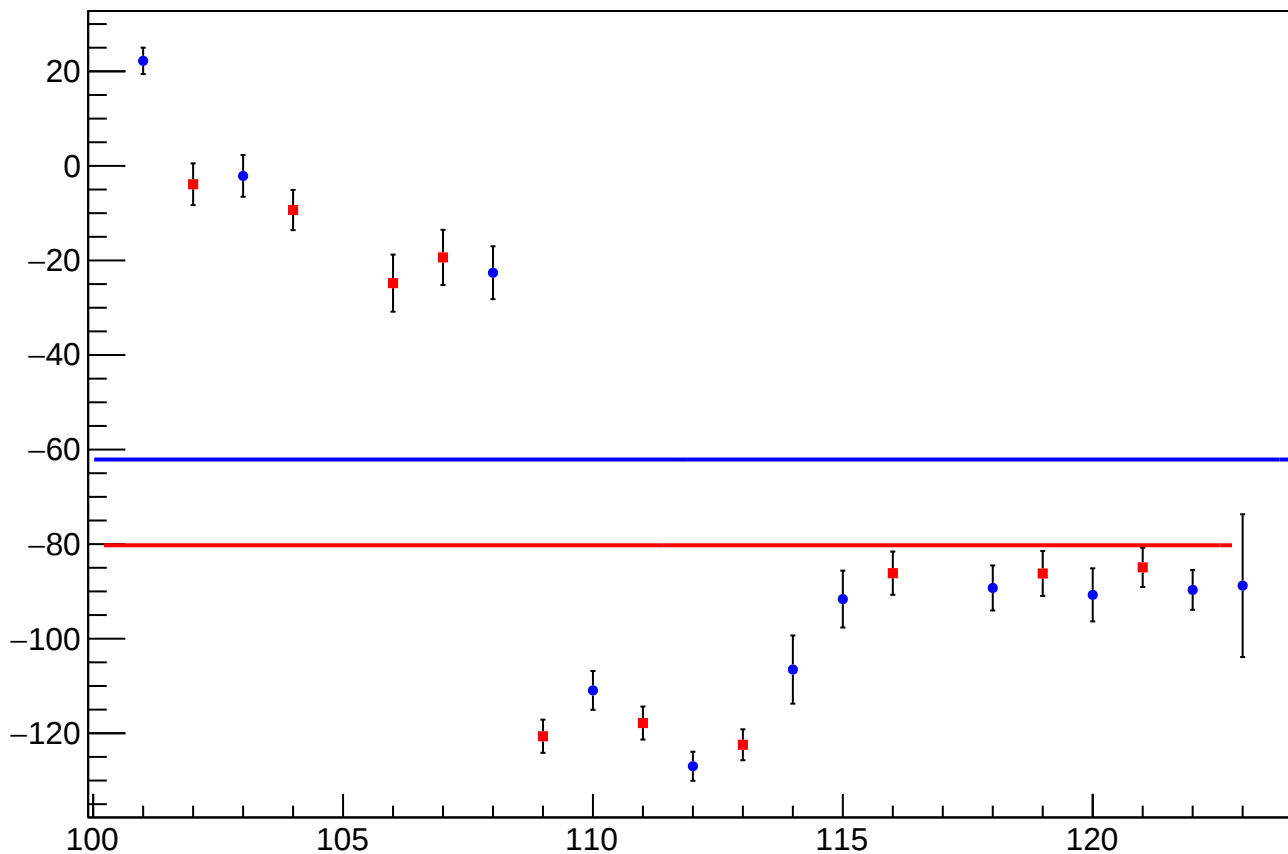
Right: -40.844+/-0.029  $\chi^2/\text{NDF}$ : 97585.4/19

In: -38.956+/-0.042  $\chi^2/\text{NDF}$ : 13860.7/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -40.844+/-0.029  $\chi^2/\text{NDF}$ : 97585.4/19

reg\_asym\_usr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -62.108+/-1.335  $\chi^2/\text{NDF}$ : 1902.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -80.243+/-1.324  $\chi^2/\text{NDF}$ : 1189.1/9

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

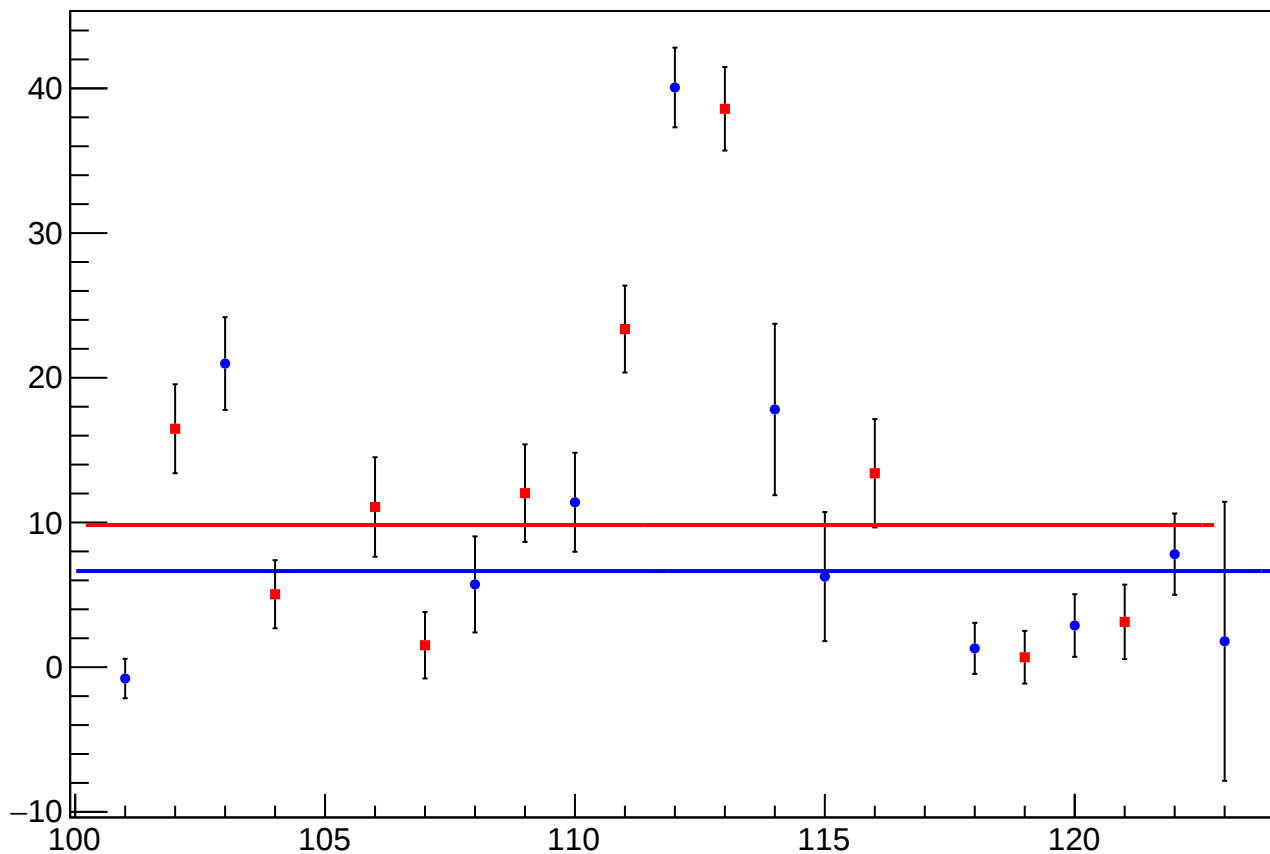
Right: -71.251+/-0.940  $\chi^2/\text{NDF}$ : 3184.9/20

In: -62.108+/-1.335  $\chi^2/\text{NDF}$ : 1902.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -71.251+/-0.940  $\chi^2/\text{NDF}$ : 3184.9/20

reg\_asym\_usr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.644+/-0.768  $\chi^2/\text{NDF}$ : 215.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.825+/-0.844  $\chi^2/\text{NDF}$ : 175.0/9

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

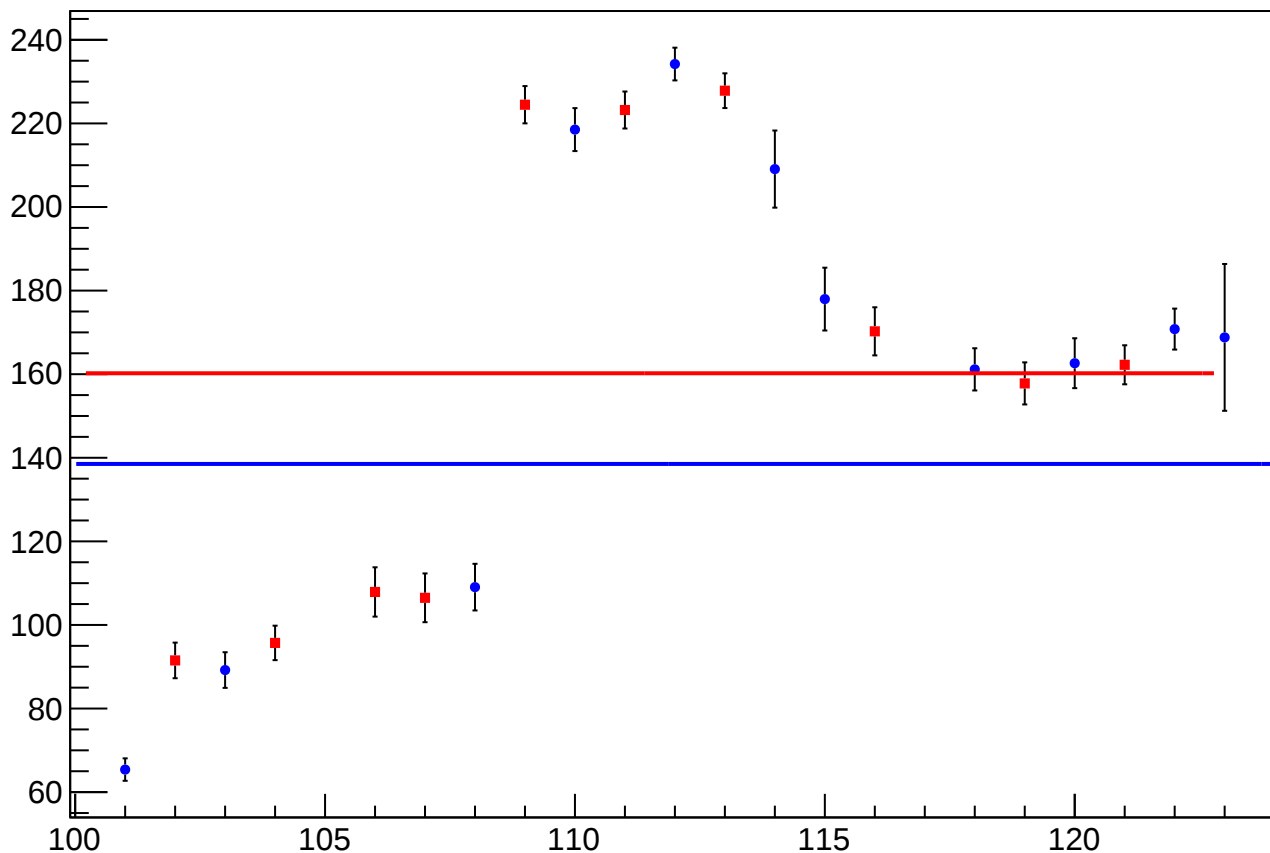
Right: 8.085+/-0.568  $\chi^2/\text{NDF}$ : 398.2/20

In: 6.644+/-0.768  $\chi^2/\text{NDF}$ : 215.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.085+/-0.568  $\chi^2/\text{NDF}$ : 398.2/20

reg\_asym\_usr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 138.524+/-1.458  $\chi^2/\text{NDF}$ : 1910.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 160.221+/-1.496  $\chi^2/\text{NDF}$ : 1346.8/9

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

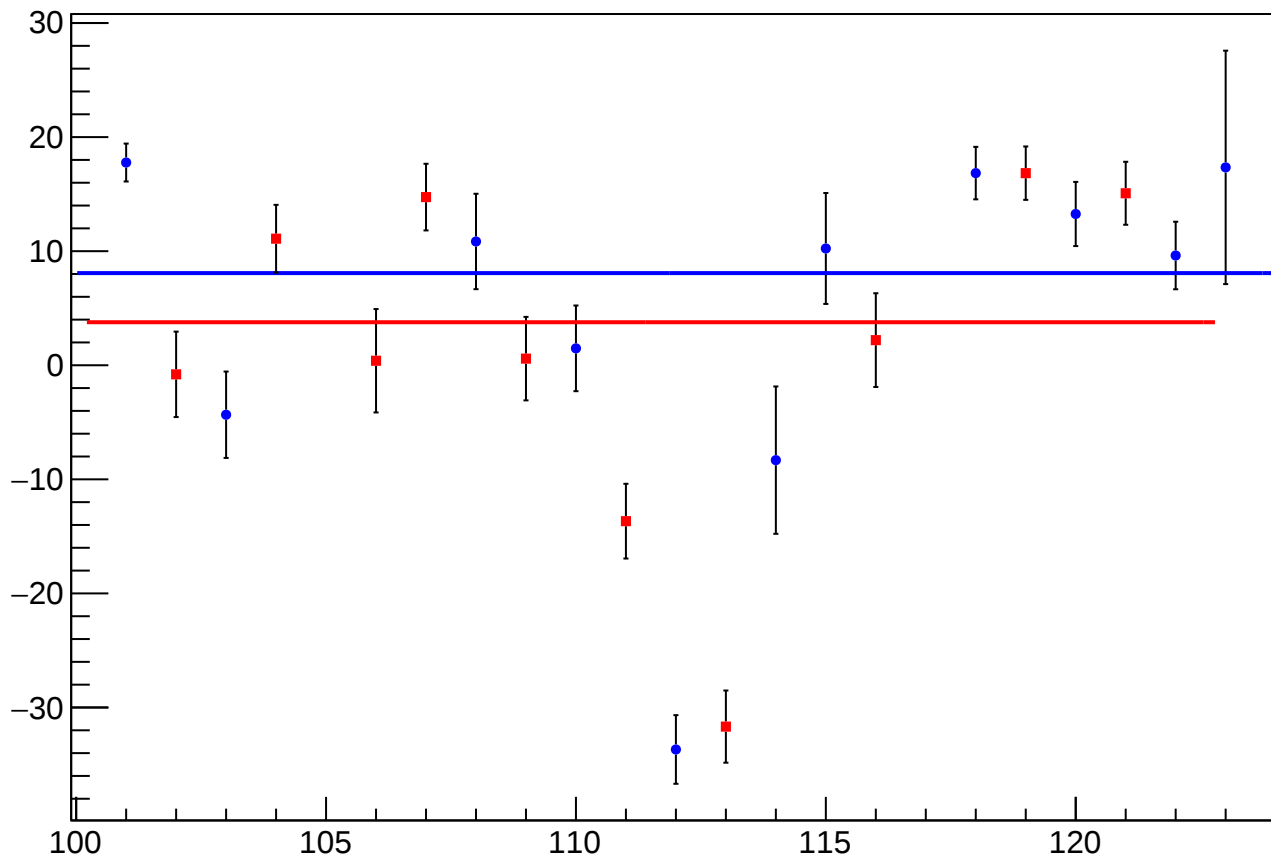
Right: 149.094+/-1.044  $\chi^2/\text{NDF}$ : 3365.5/20

In: 138.524+/-1.458  $\chi^2/\text{NDF}$ : 1910.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 149.094+/-1.044  $\chi^2/\text{NDF}$ : 3365.5/20

reg\_asym\_usr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 8.078+/-0.922  $\chi^2/\text{NDF}$ : 266.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.772+/-1.004  $\chi^2/\text{NDF}$ : 225.0/9

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

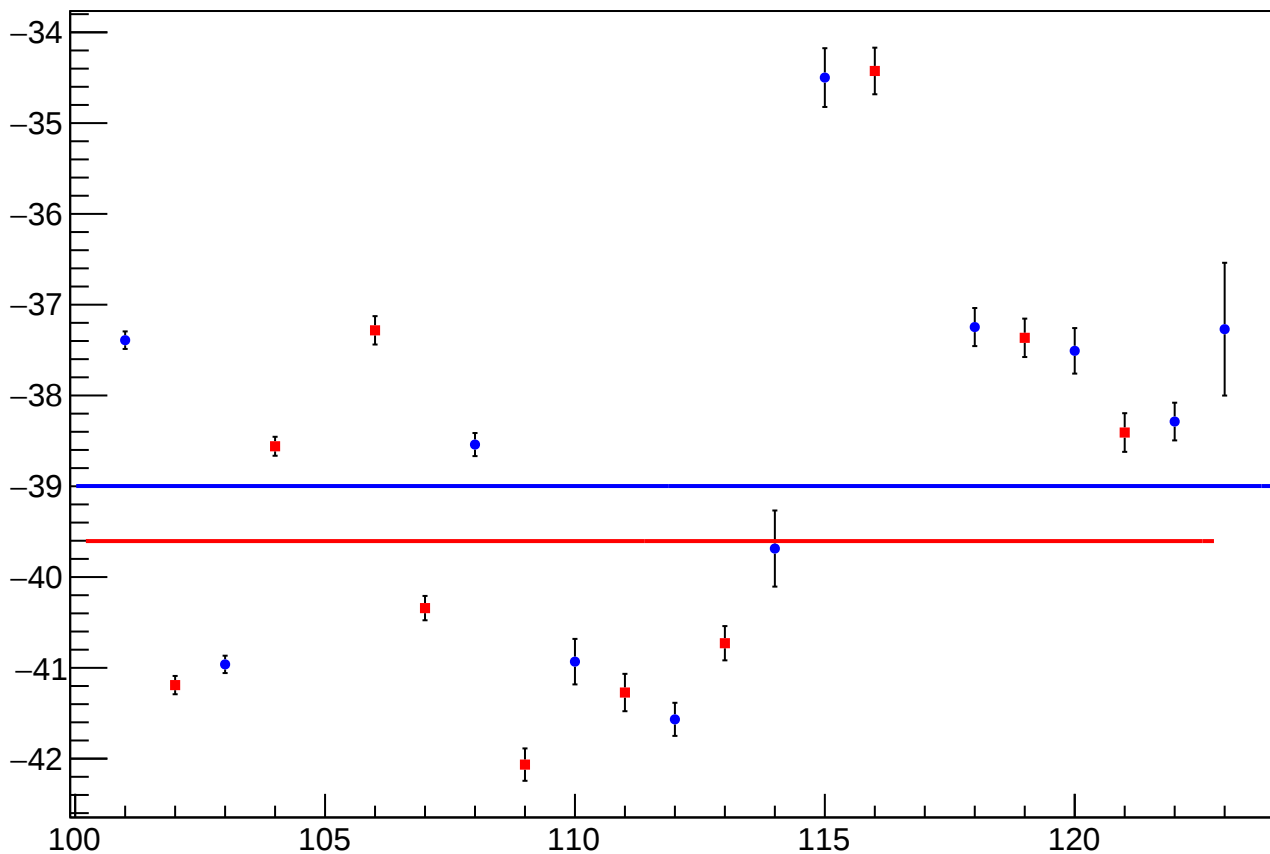
Right: 6.108+/-0.679  $\chi^2/\text{NDF}$ : 501.6/20

In: 8.078+/-0.922  $\chi^2/\text{NDF}$ : 266.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.108+/-0.679  $\chi^2/\text{NDF}$ : 501.6/20

reg\_asym\_usr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.997 $\pm$ 0.050  $\chi^2$ /NDF: 1287.9/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -39.604 $\pm$ 0.048  $\chi^2$ /NDF: 1440.8/9

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

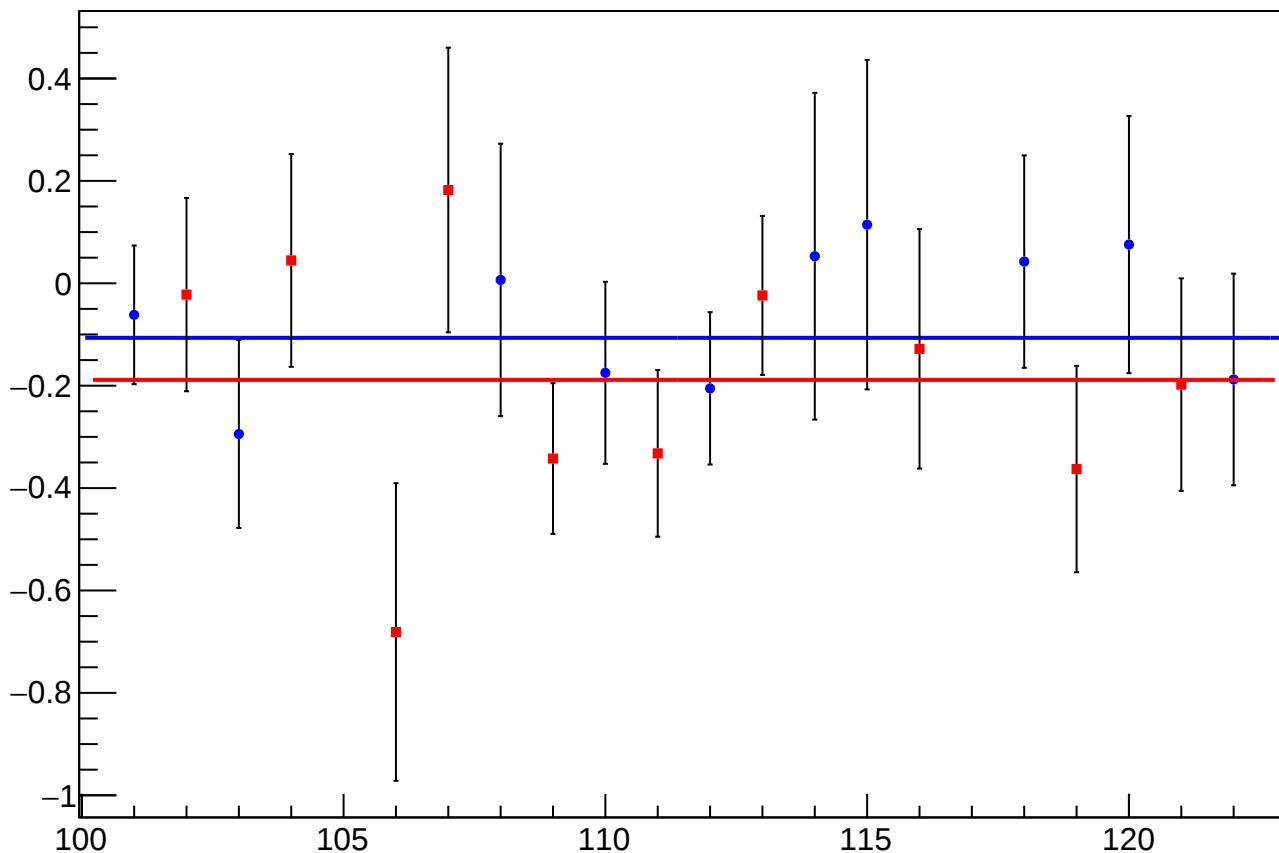
Right: -39.310 $\pm$ 0.035  $\chi^2$ /NDF: 2805.1/20

In: -38.997 $\pm$ 0.050  $\chi^2$ /NDF:1287.9/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -39.310 $\pm$ 0.035  $\chi^2$ /NDF: 2805.1/20

reg\_asym\_dsl\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.107 \pm 0.062$   $\chi^2/\text{NDF}$ : 3.8/9

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.189 \pm 0.061$   $\chi^2/\text{NDF}$ : 10.5/9

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

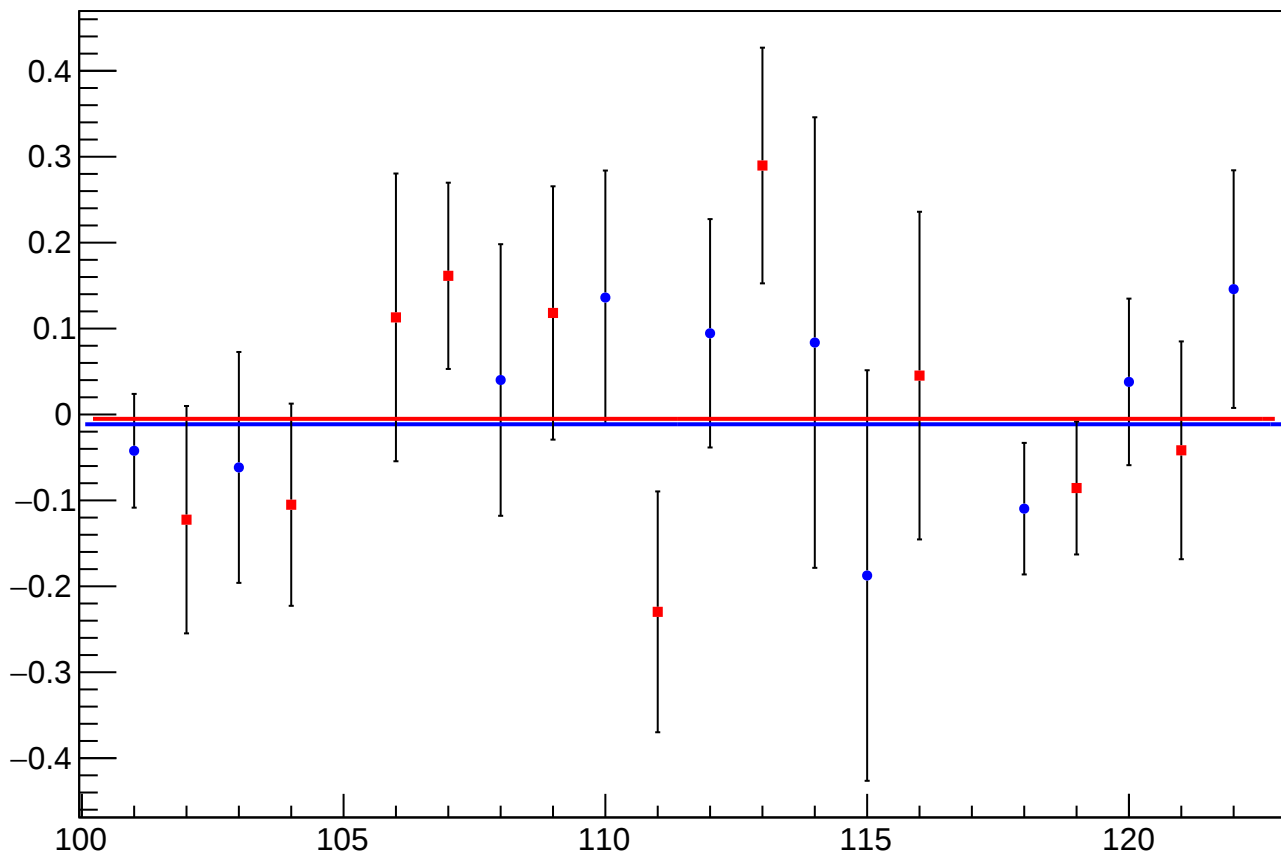
Right:  $-0.148 \pm 0.044$   $\chi^2/\text{NDF}$ : 15.2/19

In:  $-0.107 \pm 0.062$   $\chi^2/\text{NDF}$ : 3.8/9

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.148 \pm 0.044$   $\chi^2/\text{NDF}$ : 15.2/19

reg\_asym\_dsl\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.011 $\pm$ 0.036  $\chi^2$ /NDF: 6.0/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.005 $\pm$ 0.039  $\chi^2$ /NDF: 13.5/9

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

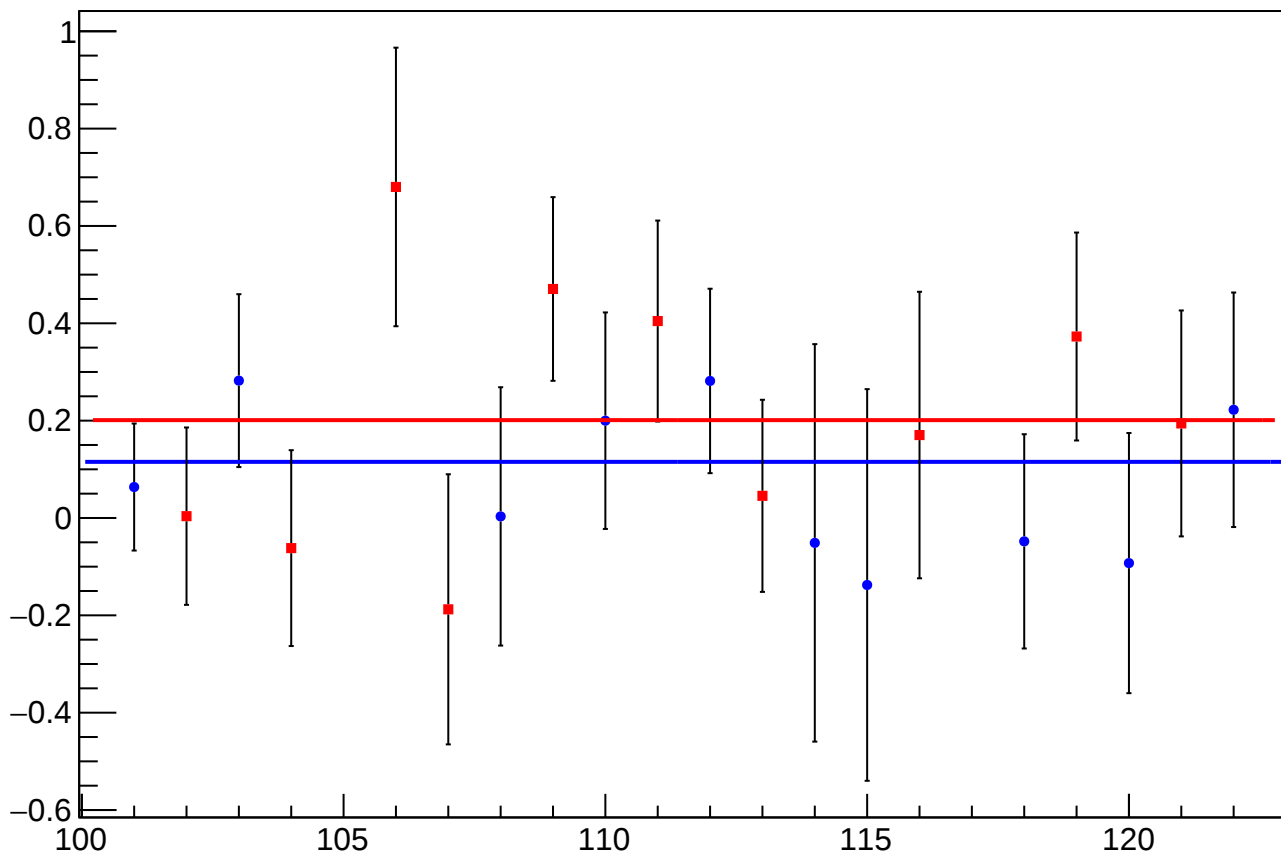
Right: -0.009 $\pm$ 0.026  $\chi^2$ /NDF: 19.5/19

In: -0.011 $\pm$ 0.036  $\chi^2$ /NDF:6.0/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.009 $\pm$ 0.026  $\chi^2$ /NDF: 19.5/19

reg\_asym\_dsl\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.115+/-0.068  $\chi^2/\text{NDF}$ : 4.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.201+/-0.069  $\chi^2/\text{NDF}$ : 11.9/9

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

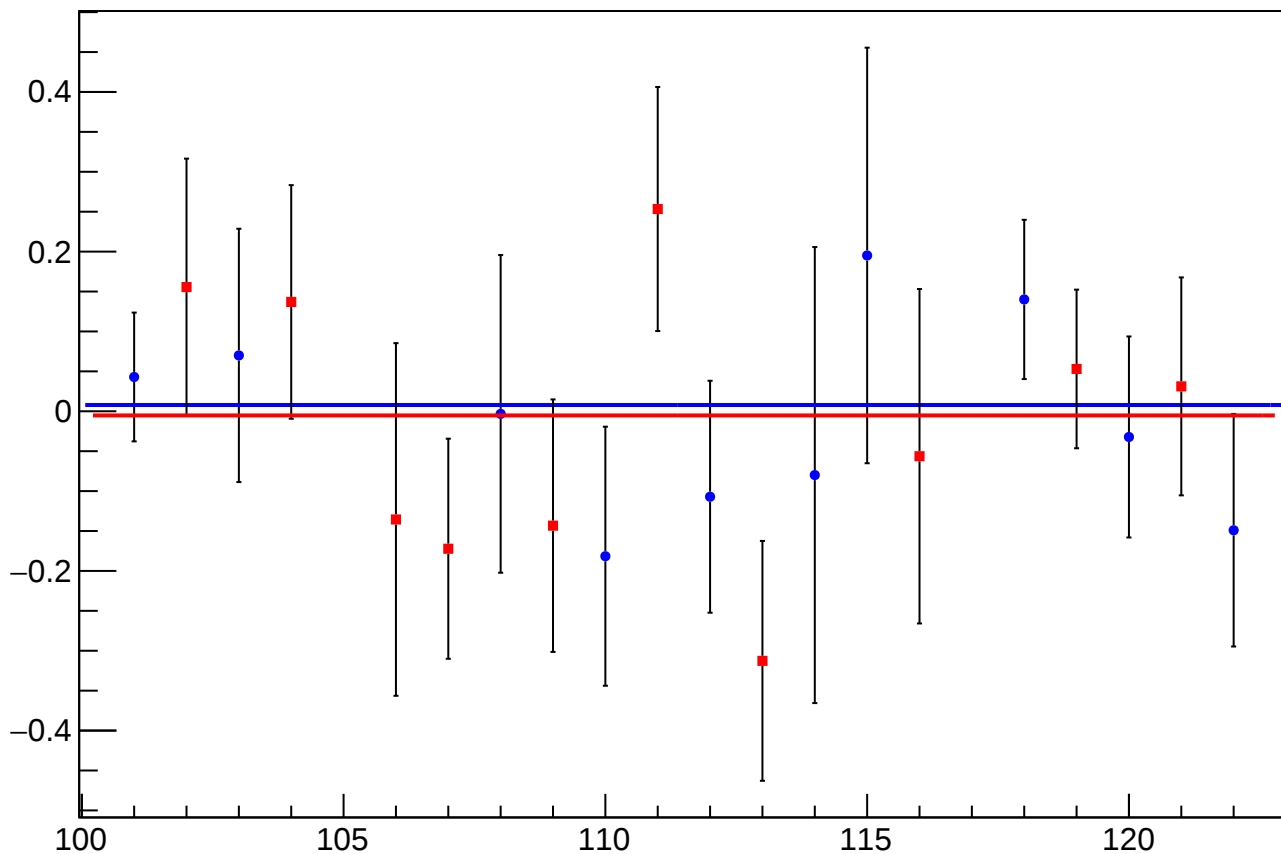
Right: 0.157+/-0.048  $\chi^2/\text{NDF}$ : 16.8/19

In: 0.115+/-0.068  $\chi^2/\text{NDF}$ : 4.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.157+/-0.048  $\chi^2/\text{NDF}$ : 16.8/19

reg\_asym\_dsl\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.043  $\chi^2$ /NDF: 6.0/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.005 $\pm$ 0.046  $\chi^2$ /NDF: 12.0/9

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

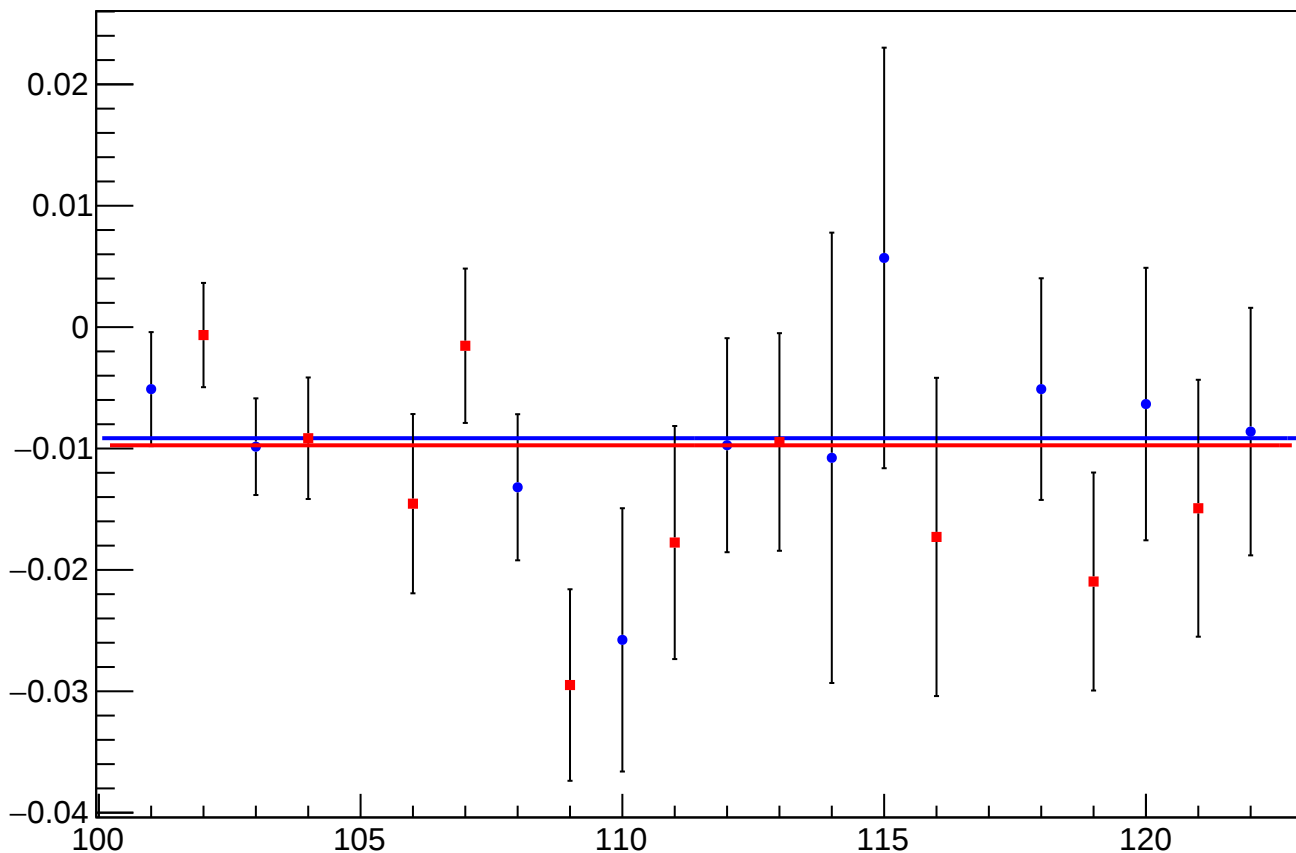
Right: 0.002 $\pm$ 0.032  $\chi^2$ /NDF: 18.1/19

In: 0.008 $\pm$ 0.043  $\chi^2$ /NDF:6.0/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.002 $\pm$ 0.032  $\chi^2$ /NDF: 18.1/19

reg\_asym\_dsl\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.009+/-0.002  $\chi^2$ /NDF: 4.6/9

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.010+/-0.002  $\chi^2$ /NDF: 15.7/9

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

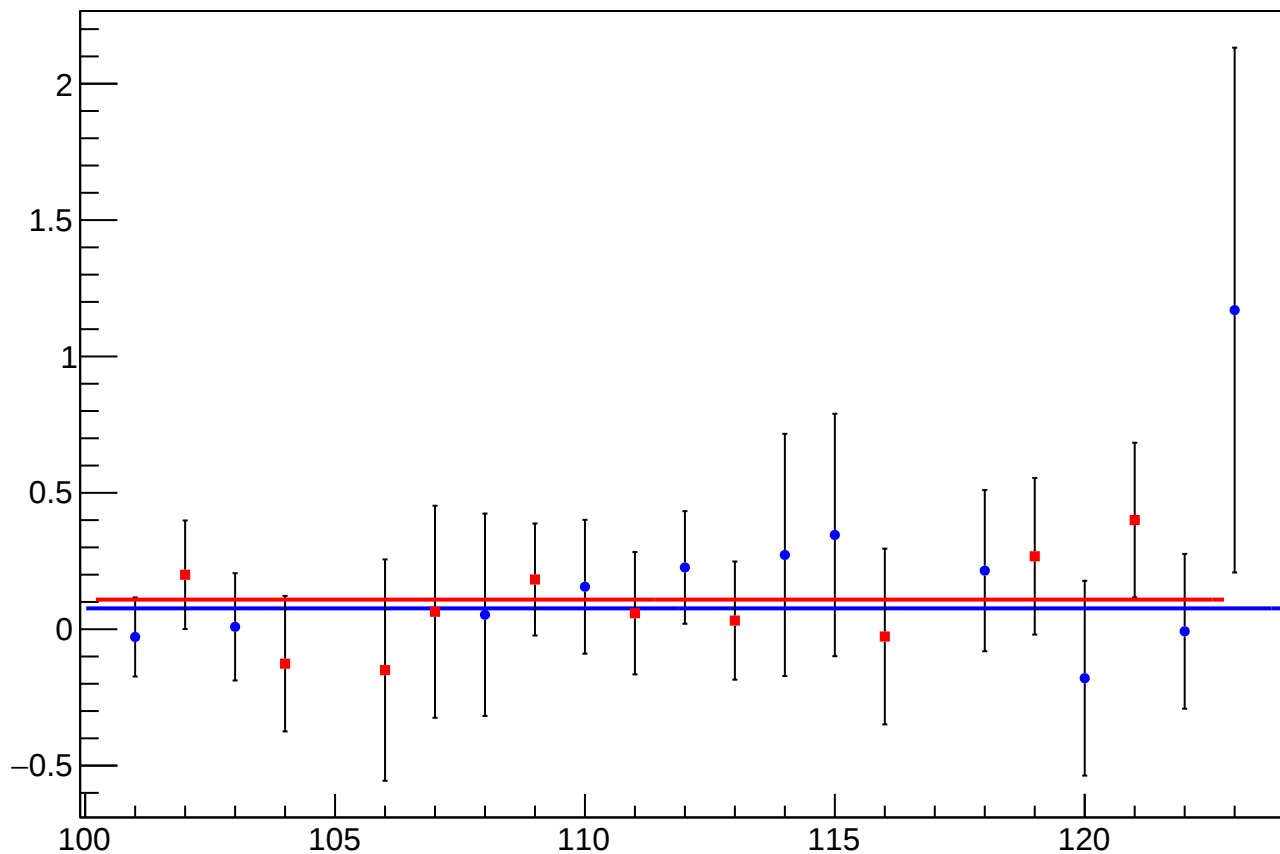
Right: -0.009+/-0.002  $\chi^2$ /NDF: 20.3/19

In: -0.009+/-0.002  $\chi^2$ /NDF:4.6/9

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -0.009+/-0.002  $\chi^2$ /NDF: 20.3/19

reg\_asym\_dsr\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 0.076+/-0.078  $\chi^2/\text{NDF}$ : 4.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.109+/-0.081  $\chi^2/\text{NDF}$ : 3.4/9

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

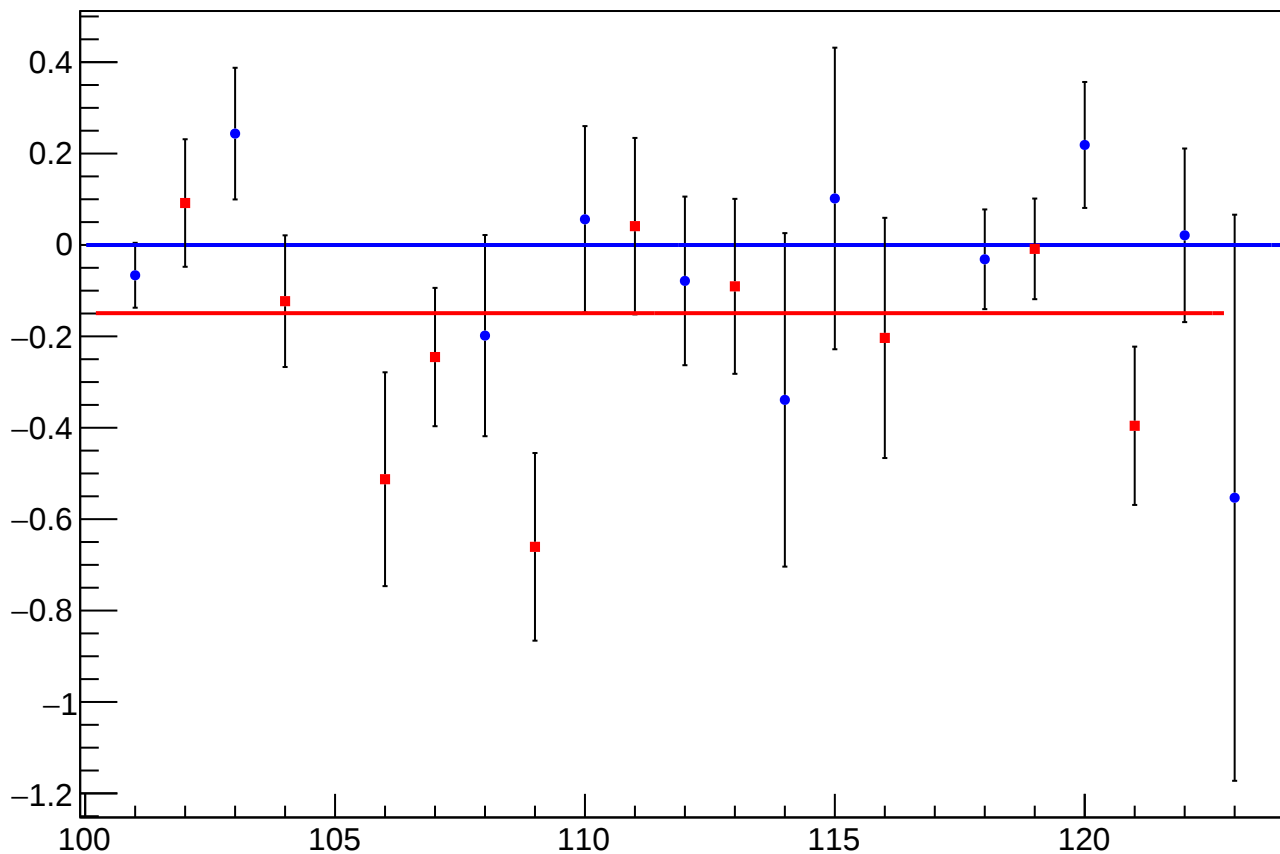
Right: 0.092+/-0.056  $\chi^2/\text{NDF}$ : 7.4/20

In: 0.076+/-0.078  $\chi^2/\text{NDF}$ : 4.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.092+/-0.056  $\chi^2/\text{NDF}$ : 7.4/20

reg\_asym\_dsr\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-0.000 \pm 0.045$   $\chi^2/\text{NDF}$ : 9.2/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.149 \pm 0.052$   $\chi^2/\text{NDF}$ : 16.8/9

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

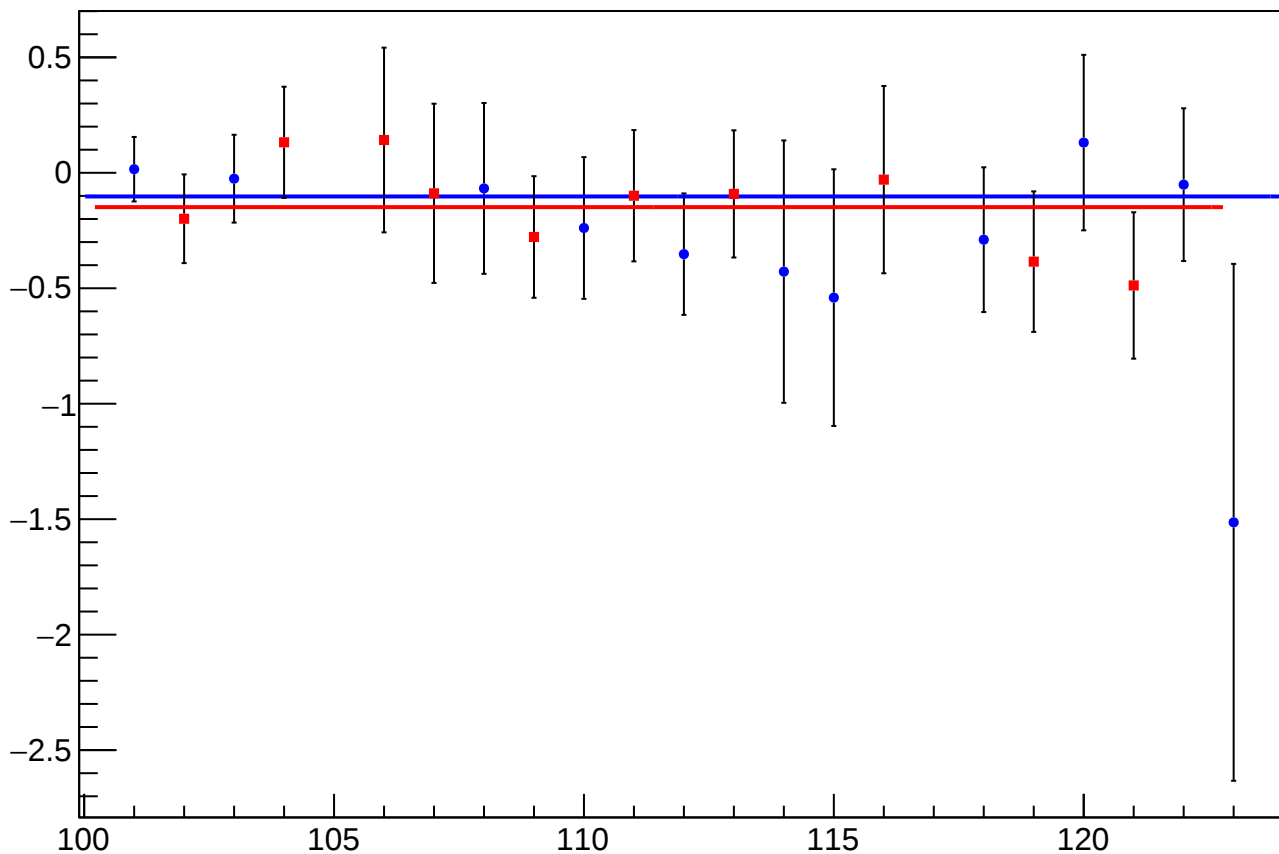
Right:  $-0.063 \pm 0.034$   $\chi^2/\text{NDF}$ : 30.7/20

In:  $-0.000 \pm 0.045$   $\chi^2/\text{NDF}$ : 9.2/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.063 \pm 0.034$   $\chi^2/\text{NDF}$ : 30.7/20

reg\_asym\_dsr\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-0.102 \pm 0.083$   $\chi^2/\text{NDF}$ : 5.3/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.149 \pm 0.090$   $\chi^2/\text{NDF}$ : 4.1/9

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

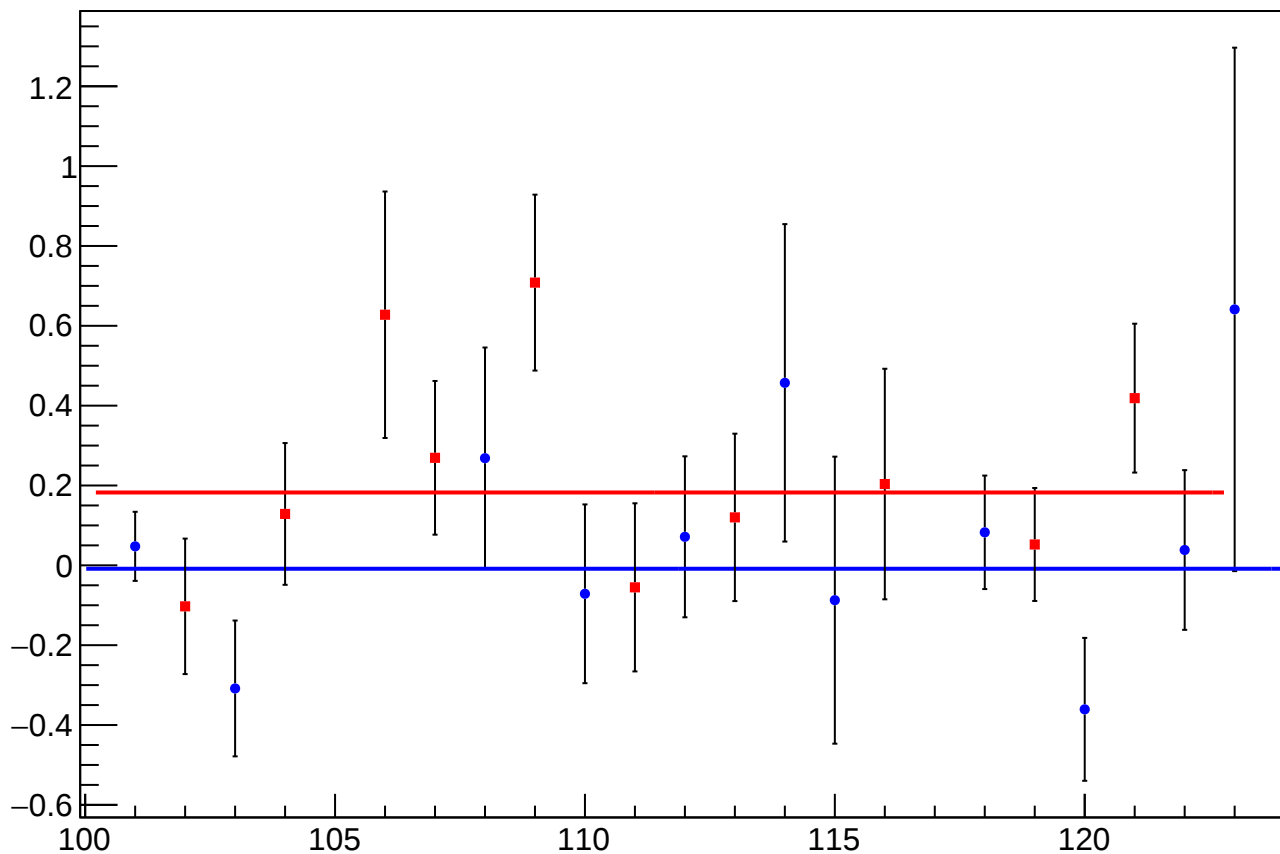
Right:  $-0.124 \pm 0.061$   $\chi^2/\text{NDF}$ : 9.6/20

In:  $-0.102 \pm 0.083$   $\chi^2/\text{NDF}$ : 5.3/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.124 \pm 0.061$   $\chi^2/\text{NDF}$ : 9.6/20

reg\_asym\_dsr\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-0.009 \pm 0.054$   $\chi^2/\text{NDF}$ : 11.5/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $0.182 \pm 0.062$   $\chi^2/\text{NDF}$ : 14.7/9

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

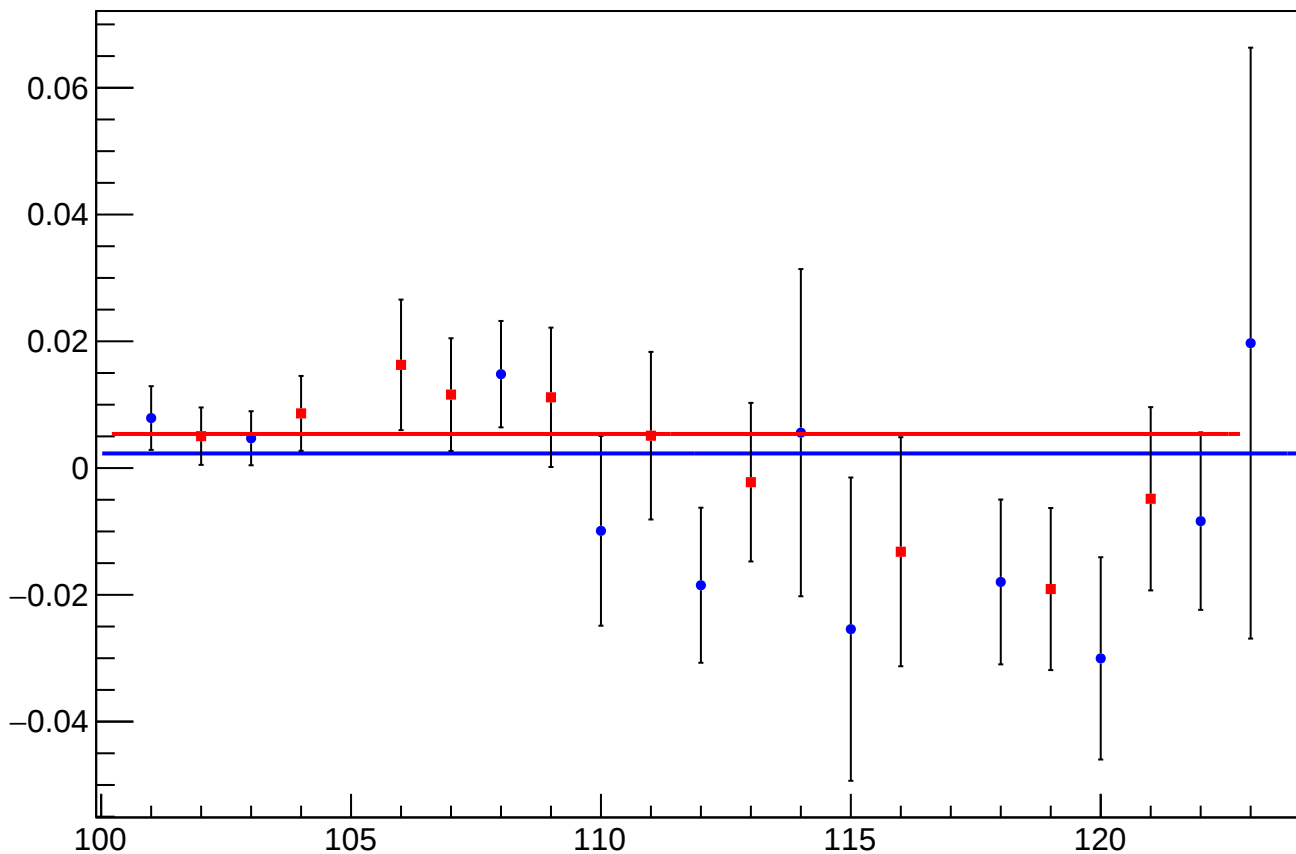
Right:  $0.073 \pm 0.041$   $\chi^2/\text{NDF}$ : 31.6/20

In:  $-0.009 \pm 0.054$   $\chi^2/\text{NDF}$ : 11.5/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $0.073 \pm 0.041$   $\chi^2/\text{NDF}$ : 31.6/20

reg\_asym\_dsr\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.003  $\chi^2$ /NDF: 15.9/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.005 $\pm$ 0.003  $\chi^2$ /NDF: 7.8/9

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

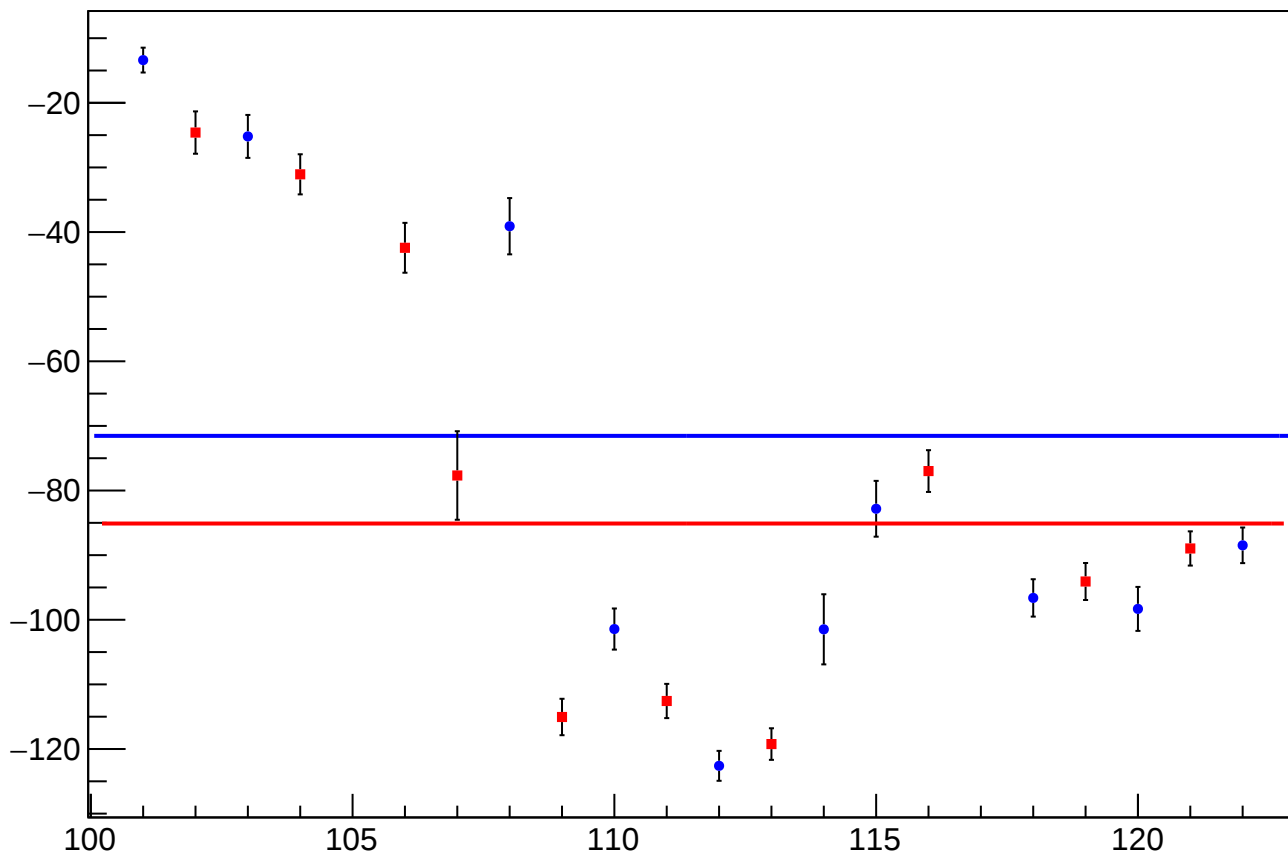
Right: 0.004 $\pm$ 0.002  $\chi^2$ /NDF: 24.4/20

In: 0.002 $\pm$ 0.003  $\chi^2$ /NDF:15.9/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.004 $\pm$ 0.002  $\chi^2$ /NDF: 24.4/20

reg\_asym\_us\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -71.540 $\pm$ 0.943  $\chi^2$ /NDF: 1951.4/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -85.106 $\pm$ 0.962  $\chi^2$ /NDF: 1201.0/9

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

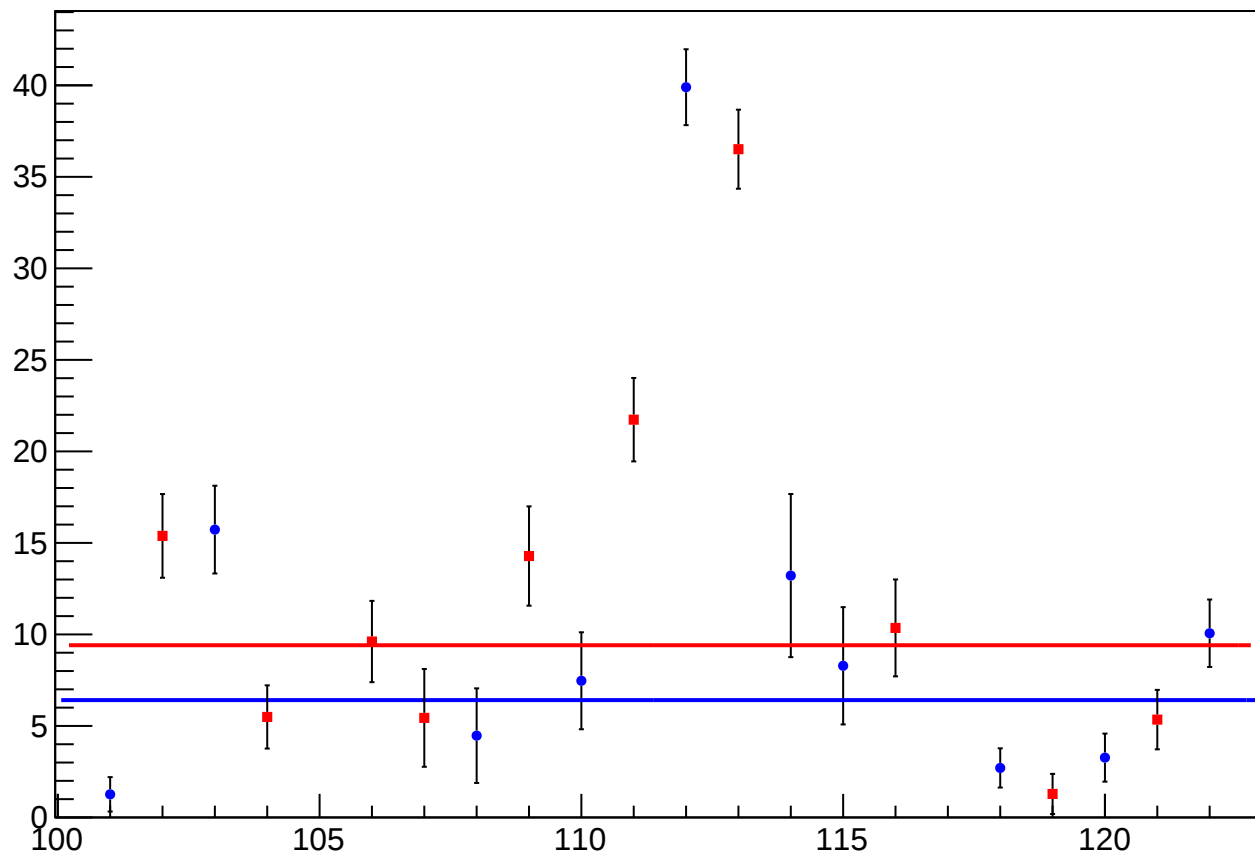
Right: -78.191 $\pm$ 0.673  $\chi^2$ /NDF: 3253.8/19

In: -71.540 $\pm$ 0.943  $\chi^2$ /NDF:1951.4/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -78.191 $\pm$ 0.673  $\chi^2$ /NDF: 3253.8/19

reg\_asym\_us\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.411+/-0.518  $\chi^2/\text{NDF}$ : 331.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 9.410+/-0.601  $\chi^2/\text{NDF}$ : 265.5/9

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

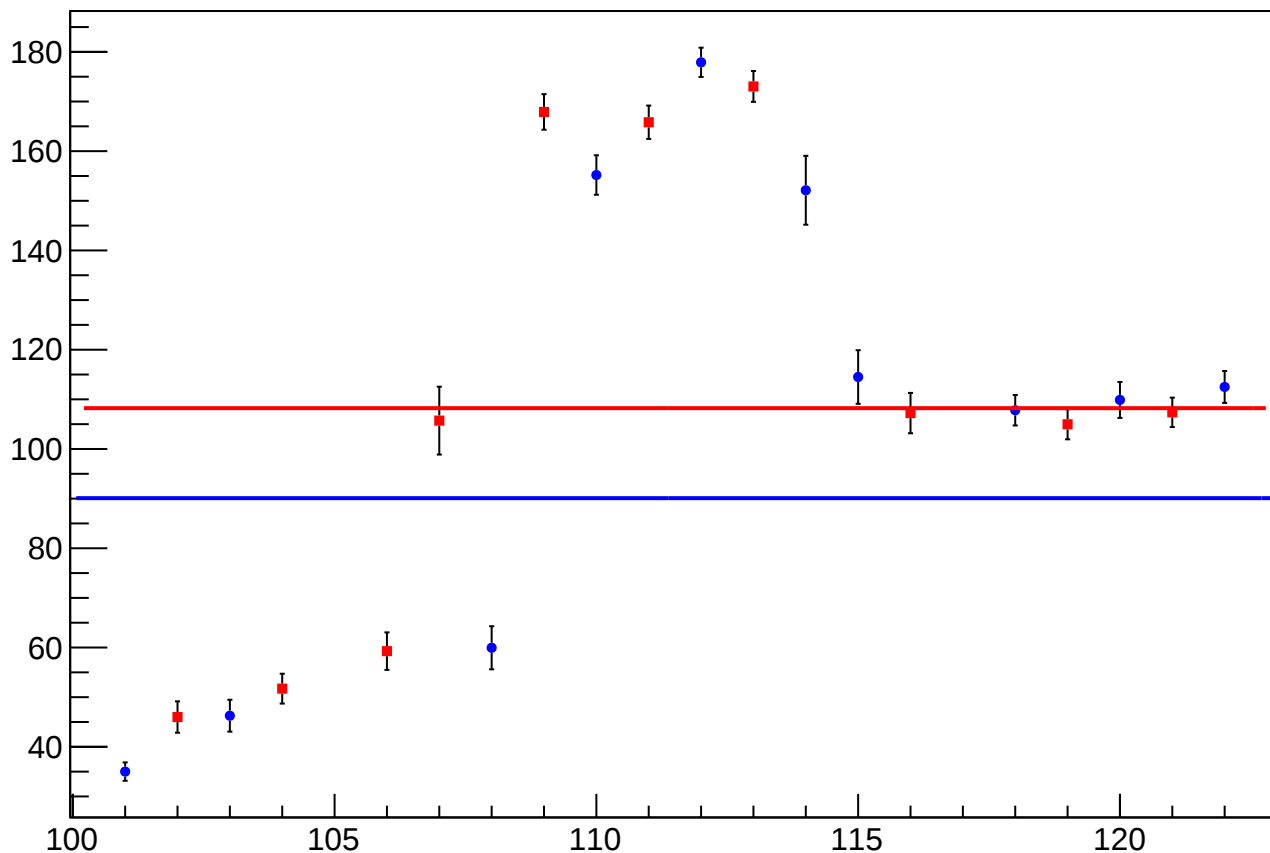
Right: 7.689+/-0.393  $\chi^2/\text{NDF}$ : 610.7/19

In: 6.411+/-0.518  $\chi^2/\text{NDF}$ : 331.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.689+/-0.393  $\chi^2/\text{NDF}$ : 610.7/19

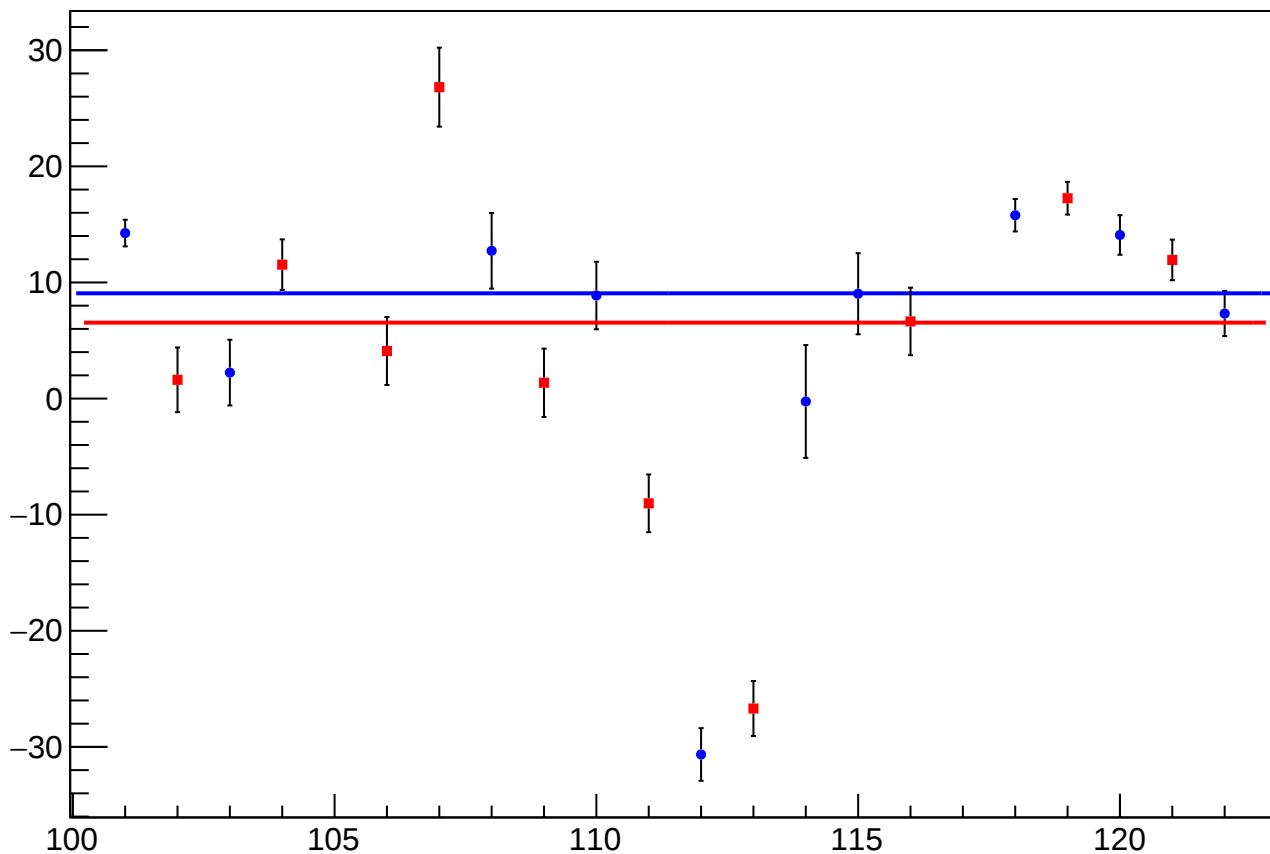
reg\_asym\_us\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 90.091+/-1.024  $\chi^2/\text{NDF}$ : 2484.7/9  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: 108.224+/-1.081  $\chi^2/\text{NDF}$ : 1916.8/9  
 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: 98.664+/-0.743  $\chi^2/\text{NDF}$ : 4549.7/19  
 In: 90.091+/-1.024  $\chi^2/\text{NDF}$ : 2484.7/9  
 Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 All: 98.664+/-0.743  $\chi^2/\text{NDF}$ : 4549.7/19

reg\_asym\_us\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 9.065+/-0.628  $\chi^2/\text{NDF}$ : 371.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.540+/-0.717  $\chi^2/\text{NDF}$ : 351.5/9

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

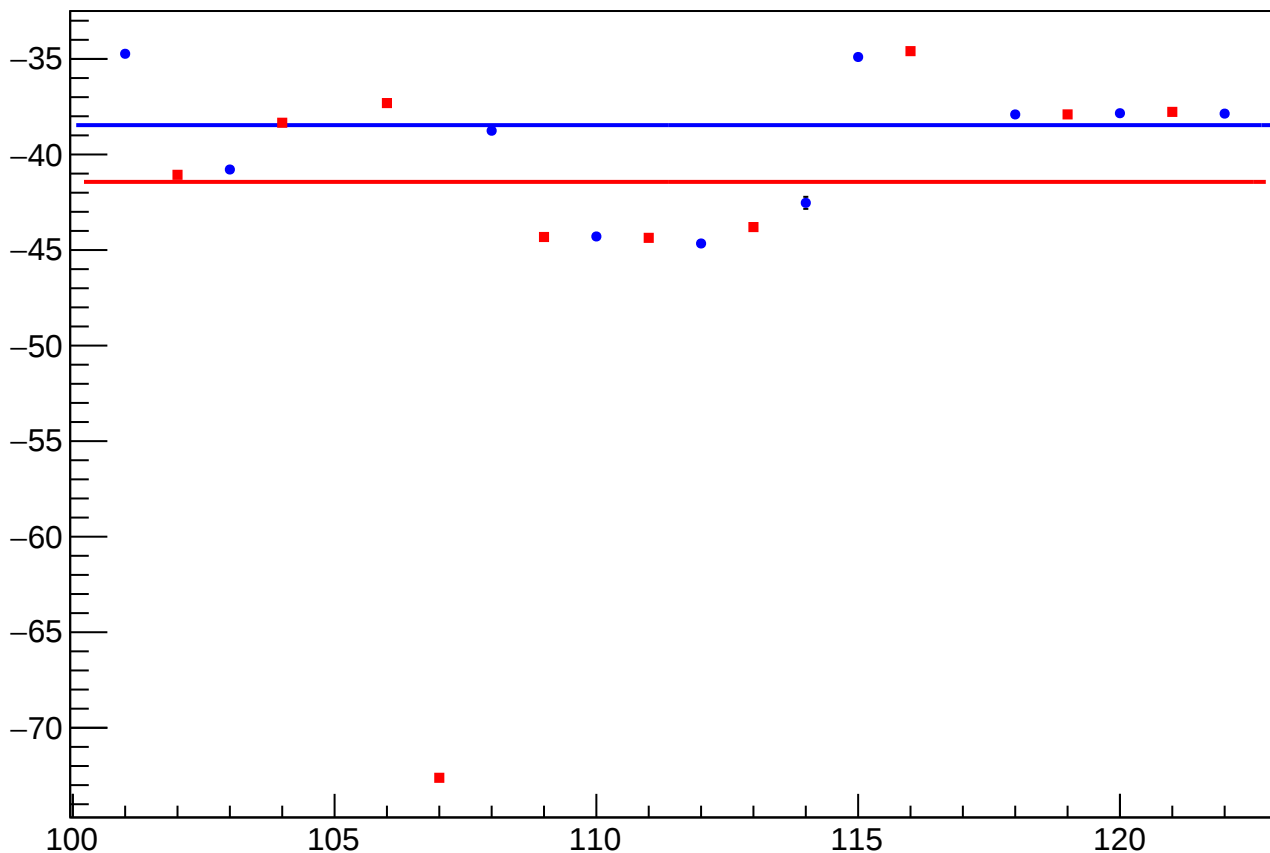
Right: 7.969+/-0.472  $\chi^2/\text{NDF}$ : 729.5/19

In: 9.065+/-0.628  $\chi^2/\text{NDF}$ : 371.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.969+/-0.472  $\chi^2/\text{NDF}$ : 729.5/19

reg\_asym\_us\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.464 $\pm$ 0.036  $\chi^2$ /NDF: 7578.9/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -41.434 $\pm$ 0.036  $\chi^2$ /NDF: 46659.1/9

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

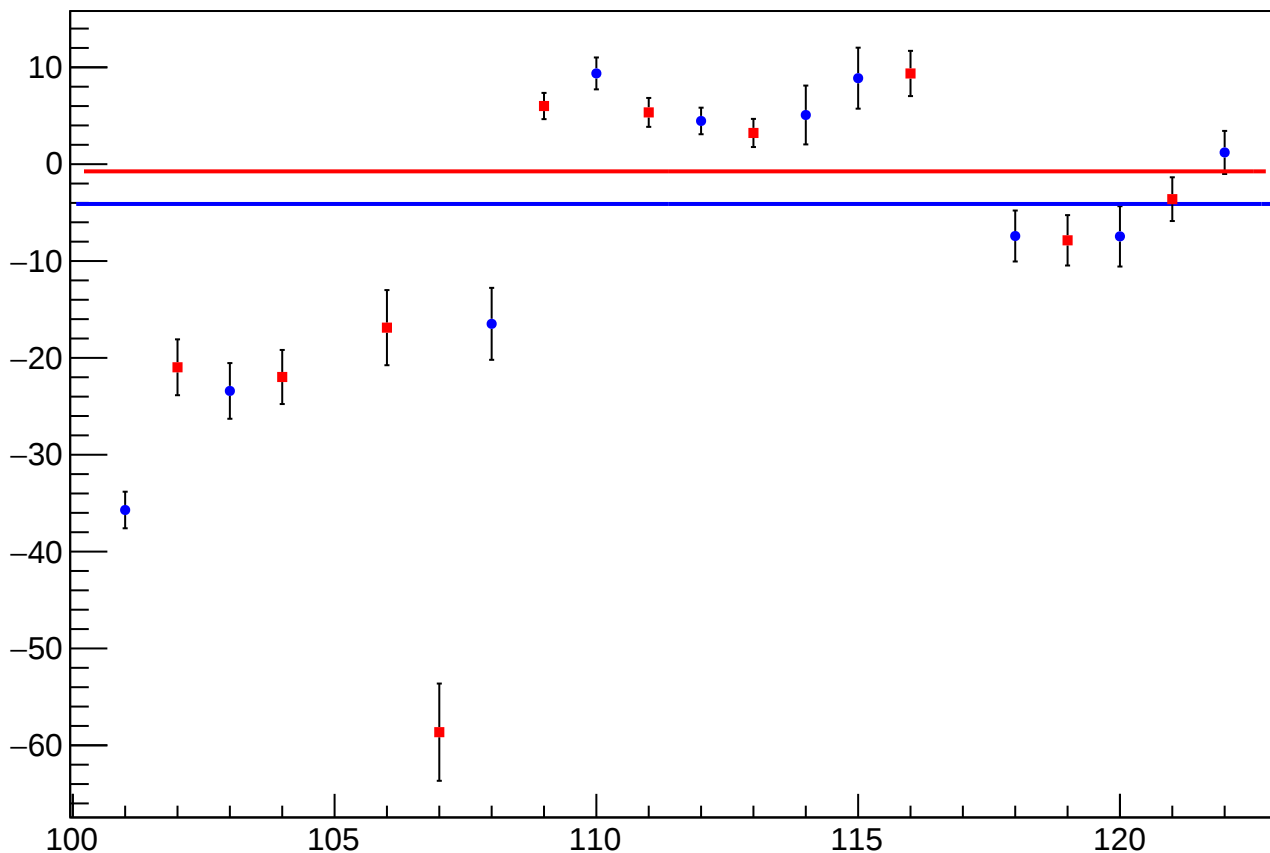
Right: -39.941 $\pm$ 0.025  $\chi^2$ /NDF: 57689.0/19

In: -38.464 $\pm$ 0.036  $\chi^2$ /NDF: 7578.9/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -39.941 $\pm$ 0.025  $\chi^2$ /NDF: 57689.0/19

reg\_asym\_us\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -4.108+/-0.701  $\chi^2/\text{NDF}$ : 476.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.742+/-0.652  $\chi^2/\text{NDF}$ : 334.1/9

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

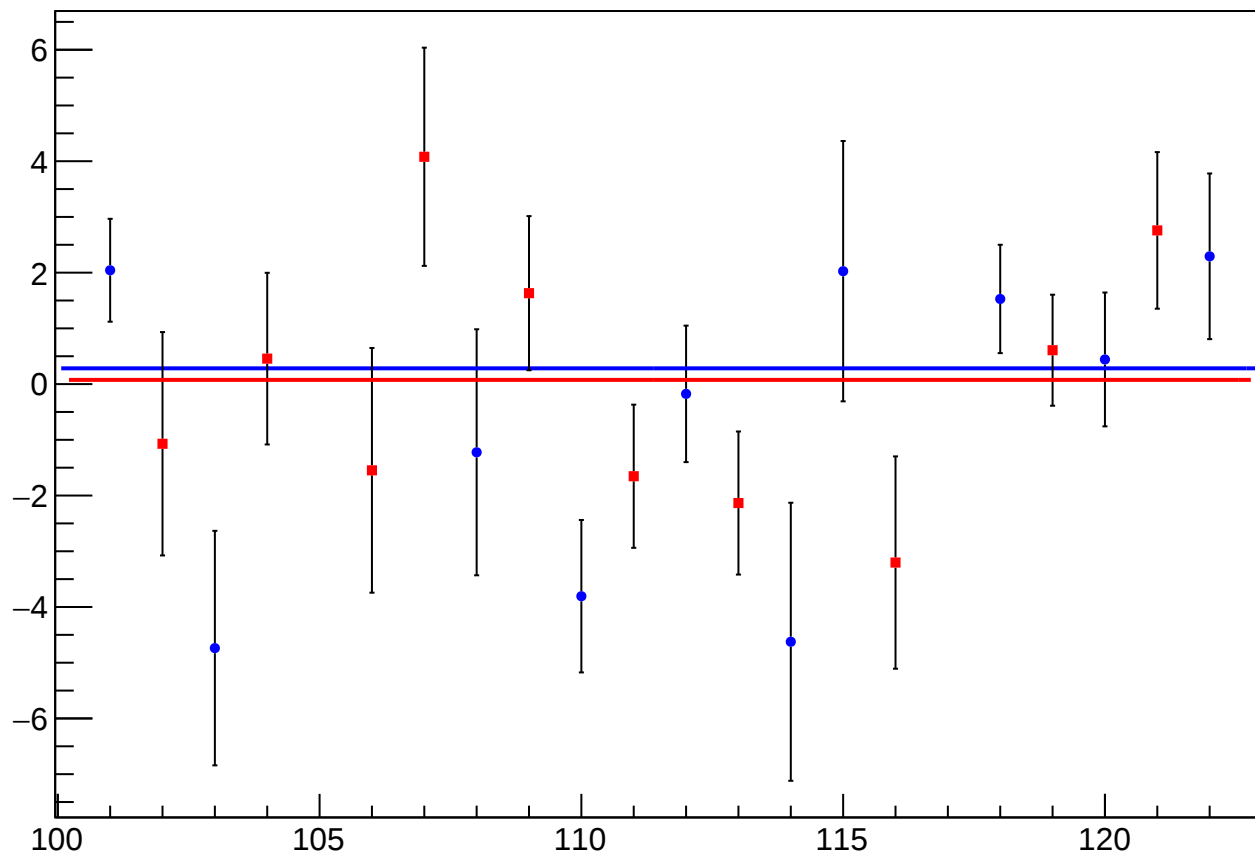
Right: -2.304+/-0.478  $\chi^2/\text{NDF}$ : 823.3/19

In: -4.108+/-0.701  $\chi^2/\text{NDF}$ : 476.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.304+/-0.478  $\chi^2/\text{NDF}$ : 823.3/19

reg\_asym\_us\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.283+/-0.432  $\chi^2/\text{NDF}$ : 26.8/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.076+/-0.463  $\chi^2/\text{NDF}$ : 18.0/9

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

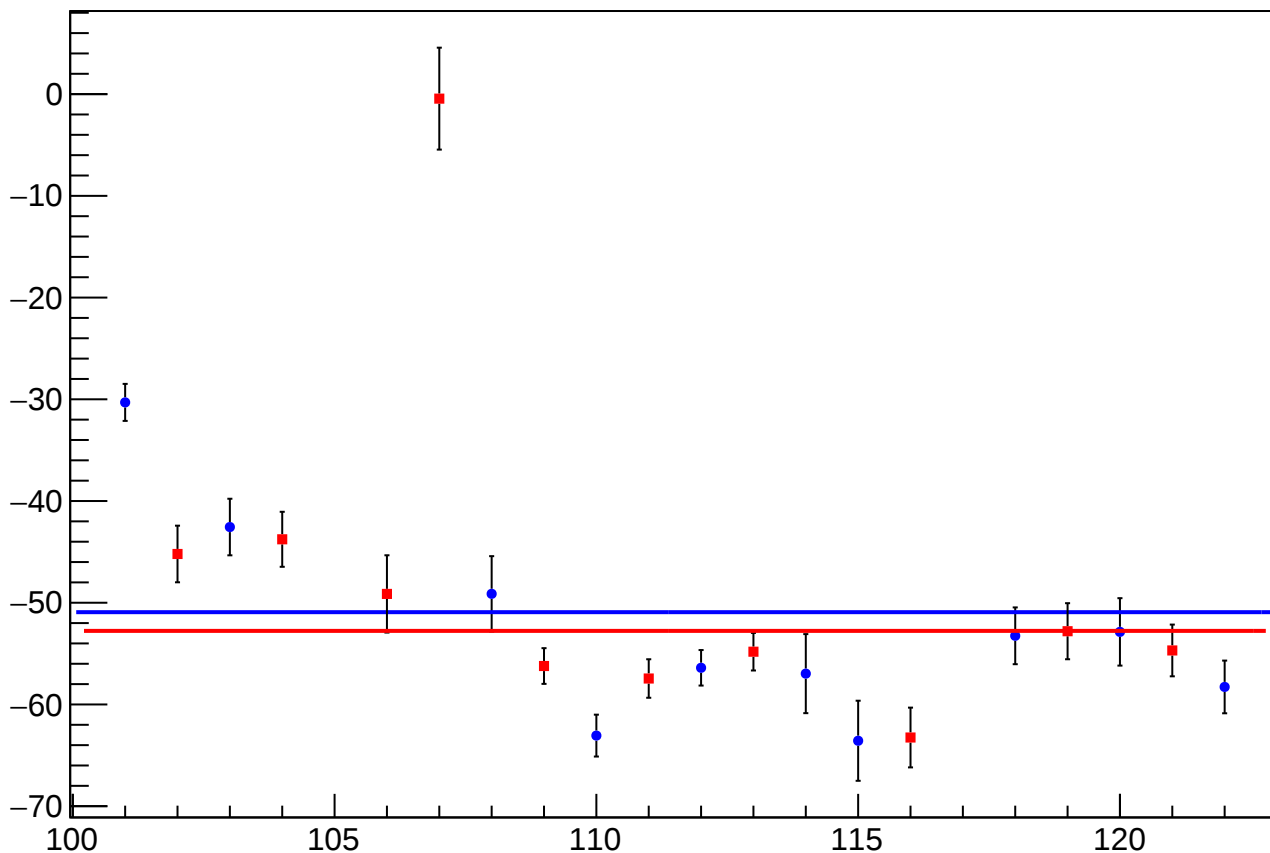
Right: 0.186+/-0.316  $\chi^2/\text{NDF}$ : 44.9/19

In: 0.283+/-0.432  $\chi^2/\text{NDF}$ : 26.8/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.186+/-0.316  $\chi^2/\text{NDF}$ : 44.9/19

reg\_asym\_us\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-50.928 \pm 0.799$   $\chi^2/\text{NDF}$ : 204.2/9

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-52.767 \pm 0.773$   $\chi^2/\text{NDF}$ : 152.9/9

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

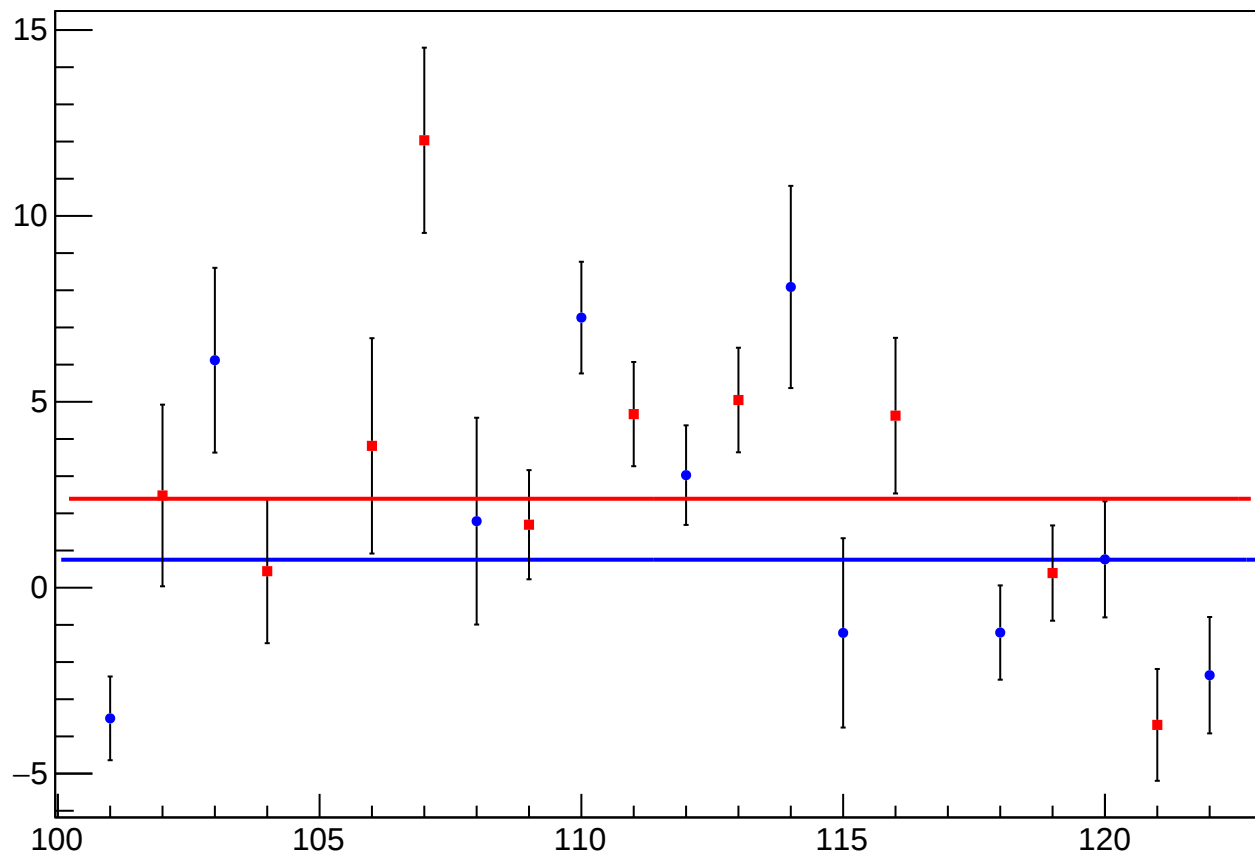
Right:  $-51.877 \pm 0.555$   $\chi^2/\text{NDF}$ : 359.9/19

In:  $-50.928 \pm 0.799$   $\chi^2/\text{NDF}$ : 204.2/9

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-51.877 \pm 0.555$   $\chi^2/\text{NDF}$ : 359.9/19

reg\_asym\_us\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.753+/-0.512  $\chi^2/\text{NDF}$ : 55.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.392+/-0.537  $\chi^2/\text{NDF}$ : 42.6/9

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

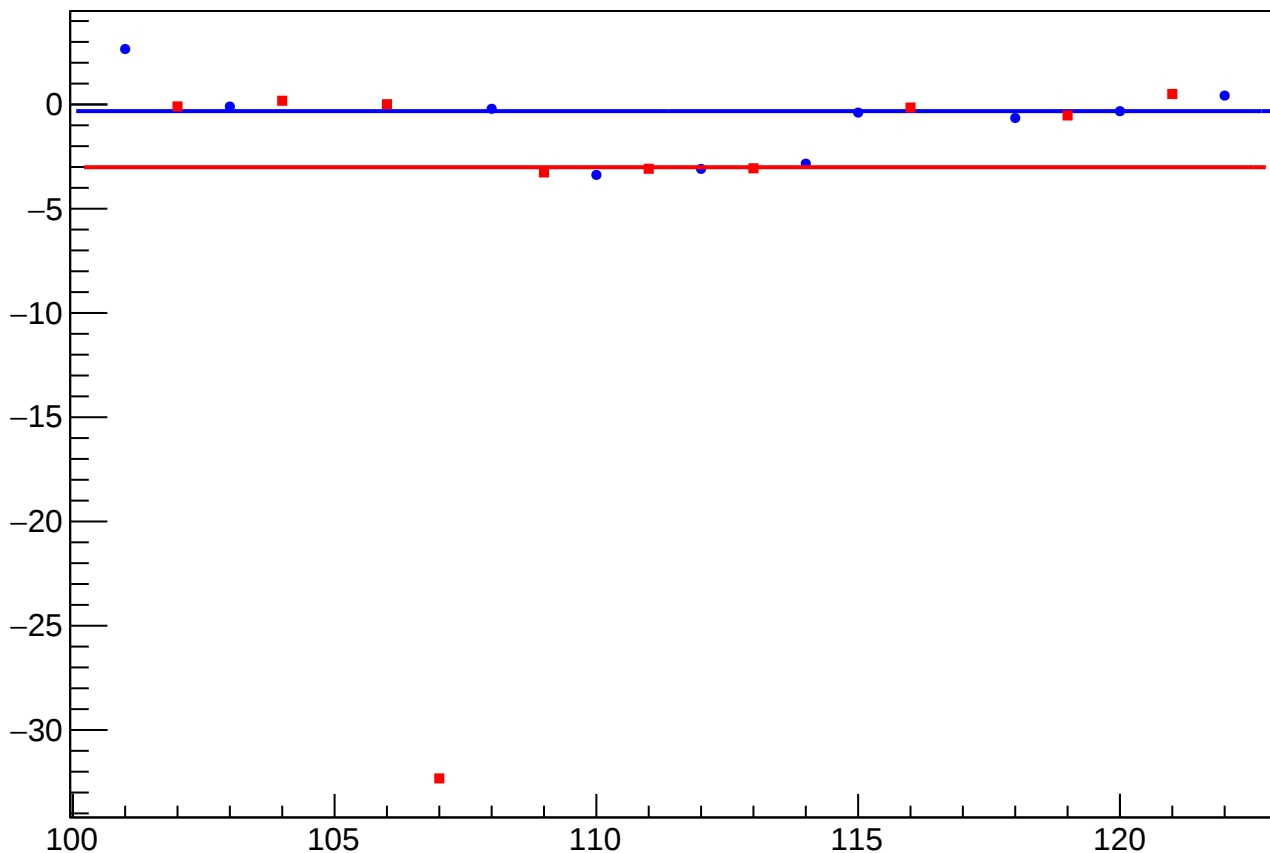
Right: 1.534+/-0.371  $\chi^2/\text{NDF}$ : 102.5/19

In: 0.753+/-0.512  $\chi^2/\text{NDF}$ : 55.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.534+/-0.371  $\chi^2/\text{NDF}$ : 102.5/19

reg\_asym\_us\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.320 \pm 0.029$   $\chi^2/\text{NDF}$ : 4434.0/9

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-3.010 \pm 0.028$   $\chi^2/\text{NDF}$ : 71830.5/9

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

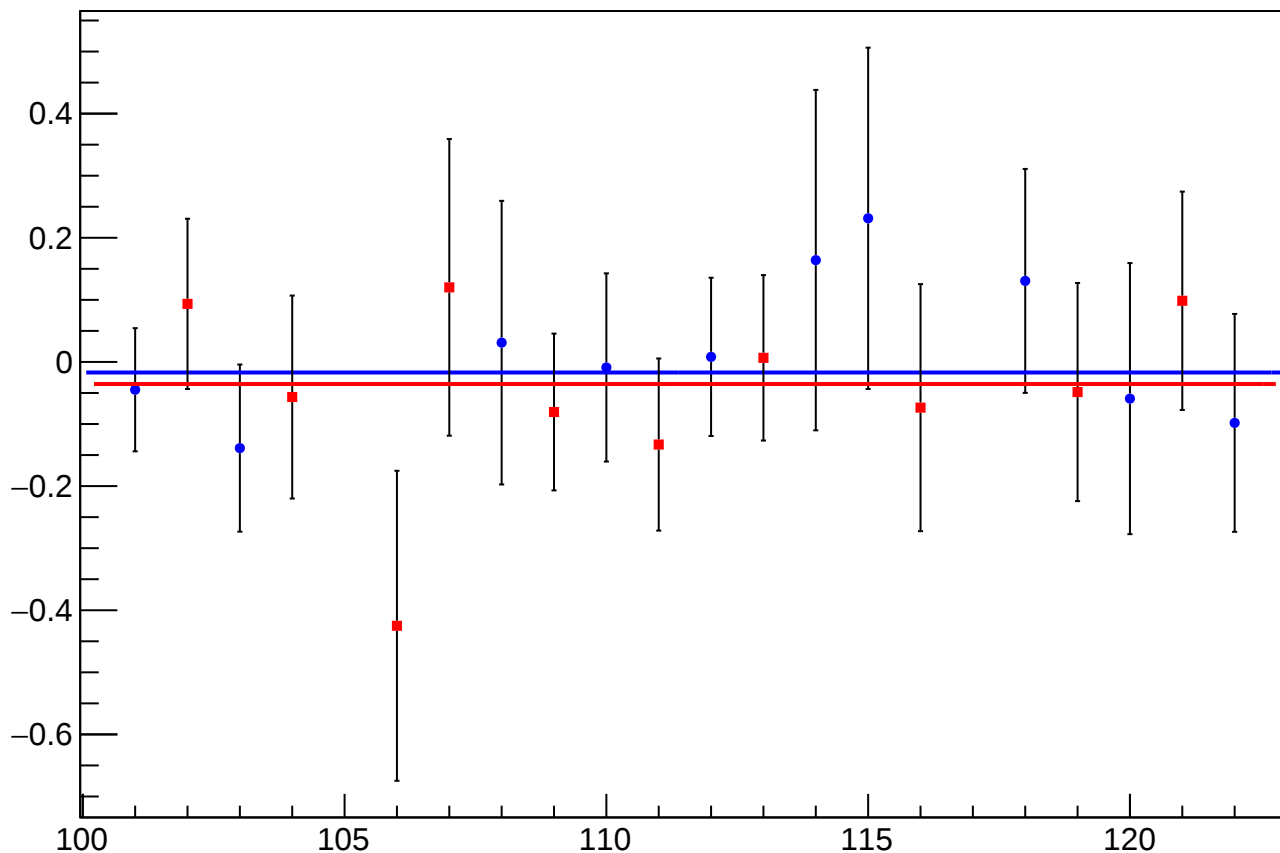
Right:  $-1.720 \pm 0.020$   $\chi^2/\text{NDF}$ : 80625.0/19

In:  $-0.320 \pm 0.029$   $\chi^2/\text{NDF}$ : 4434.0/9

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.720 \pm 0.020$   $\chi^2/\text{NDF}$ : 80625.0/19

reg\_asym\_ds\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.017 \pm 0.051$   $\chi^2/\text{NDF}: 3.2/9$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-0.036 \pm 0.051$   $\chi^2/\text{NDF}: 5.1/9$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

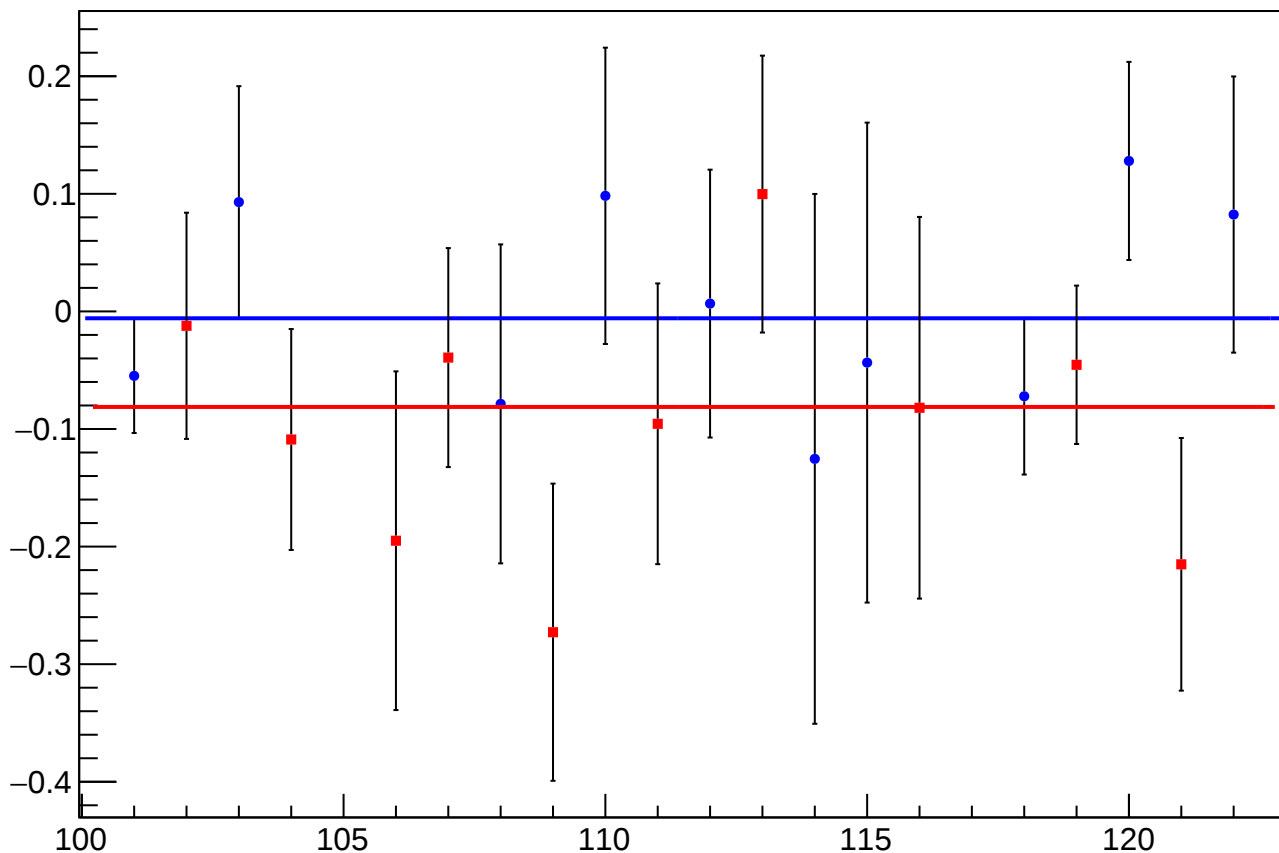
Right:  $-0.026 \pm 0.036$   $\chi^2/\text{NDF}: 8.3/19$

In:  $-0.017 \pm 0.051$   $\chi^2/\text{NDF}: 3.2/9$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-0.026 \pm 0.036$   $\chi^2/\text{NDF}: 8.3/19$

reg\_asym\_ds\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.029  $\chi^2/\text{NDF}$ : 7.4/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.081+/-0.033  $\chi^2/\text{NDF}$ : 7.9/9

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

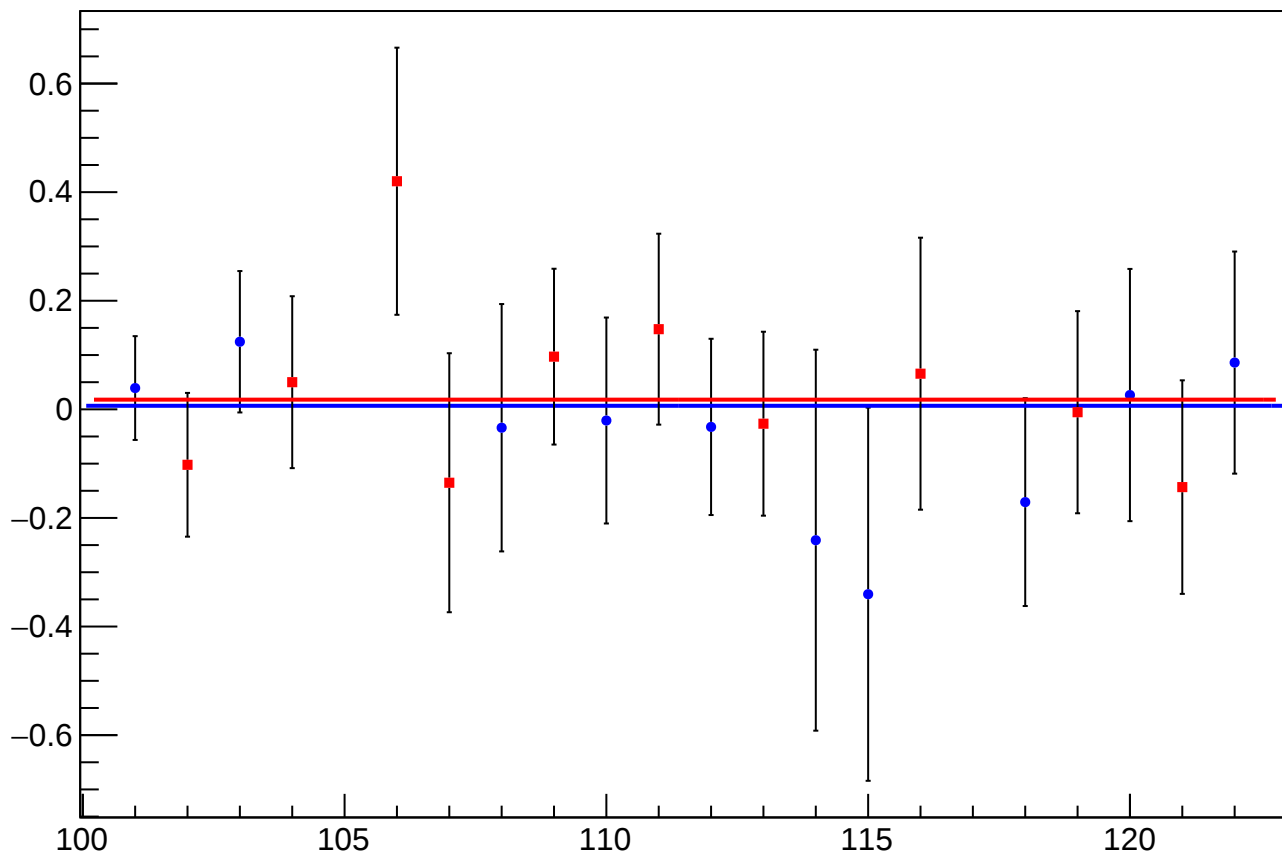
Right: -0.039+/-0.022  $\chi^2/\text{NDF}$ : 18.3/19

In: -0.006+/-0.029  $\chi^2/\text{NDF}$ :7.4/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.039+/-0.022  $\chi^2/\text{NDF}$ : 18.3/19

reg\_asym\_ds\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.054  $\chi^2$ /NDF: 3.6/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.018 $\pm$ 0.057  $\chi^2$ /NDF: 5.5/9

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

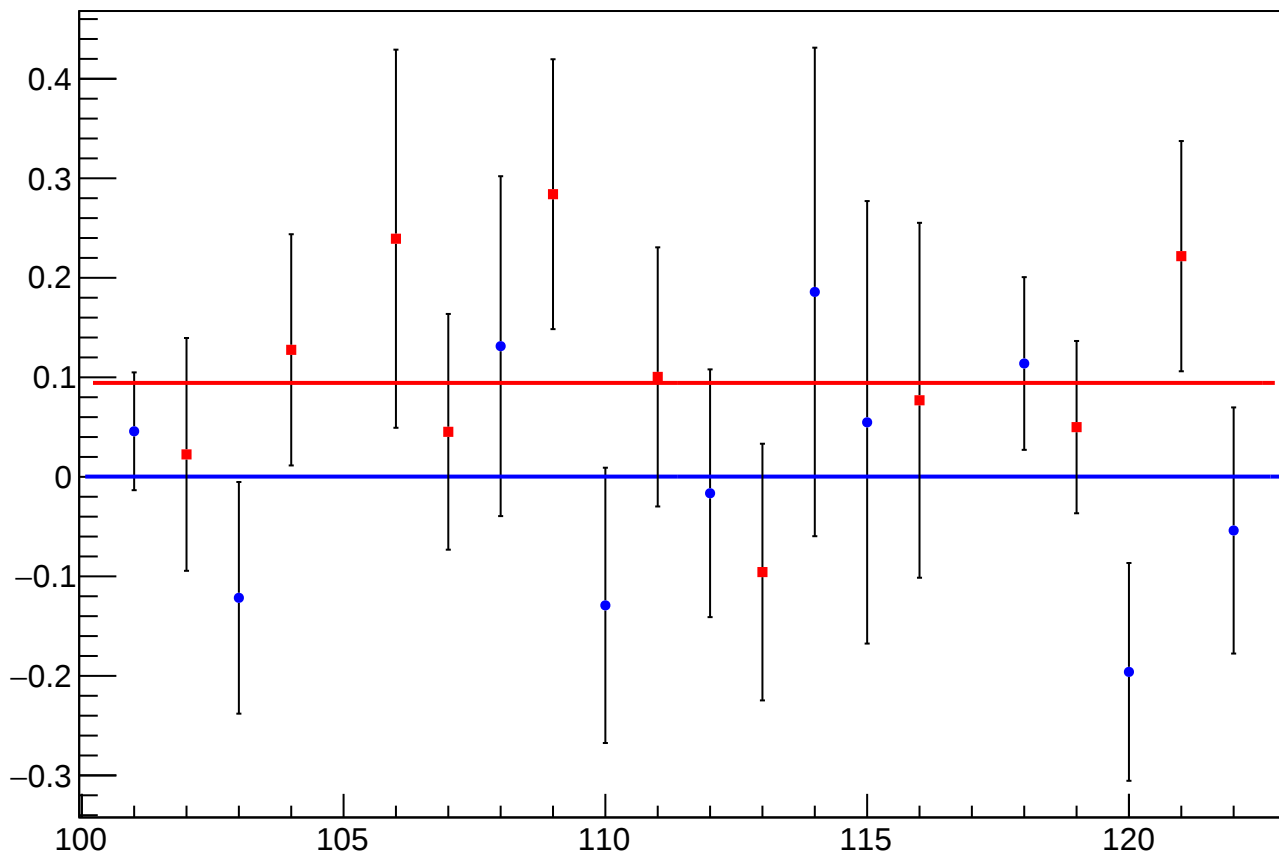
Right: 0.012 $\pm$ 0.039  $\chi^2$ /NDF: 9.1/19

In: 0.007 $\pm$ 0.054  $\chi^2$ /NDF:3.6/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.012 $\pm$ 0.039  $\chi^2$ /NDF: 9.1/19

reg\_asym\_ds\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.035  $\chi^2/\text{NDF}$ : 8.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.094+/-0.039  $\chi^2/\text{NDF}$ : 6.8/9

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

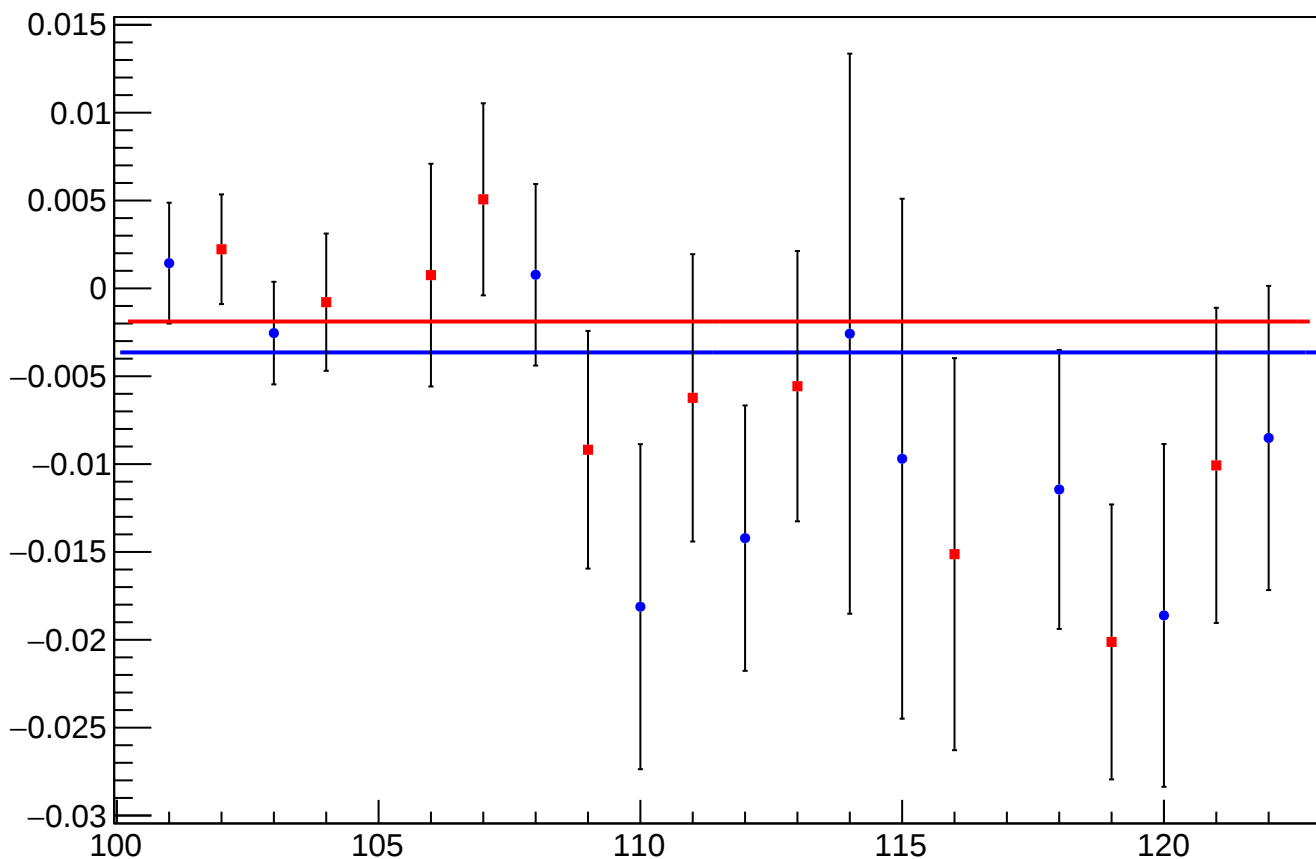
Right: 0.042+/-0.026  $\chi^2/\text{NDF}$ : 19.0/19

In: 0.000+/-0.035  $\chi^2/\text{NDF}$ : 8.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.042+/-0.026  $\chi^2/\text{NDF}$ : 19.0/19

reg\_asym\_ds\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.004 $\pm$ 0.002  $\chi^2$ /NDF: 11.3/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -0.002 $\pm$ 0.002  $\chi^2$ /NDF: 13.0/9

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

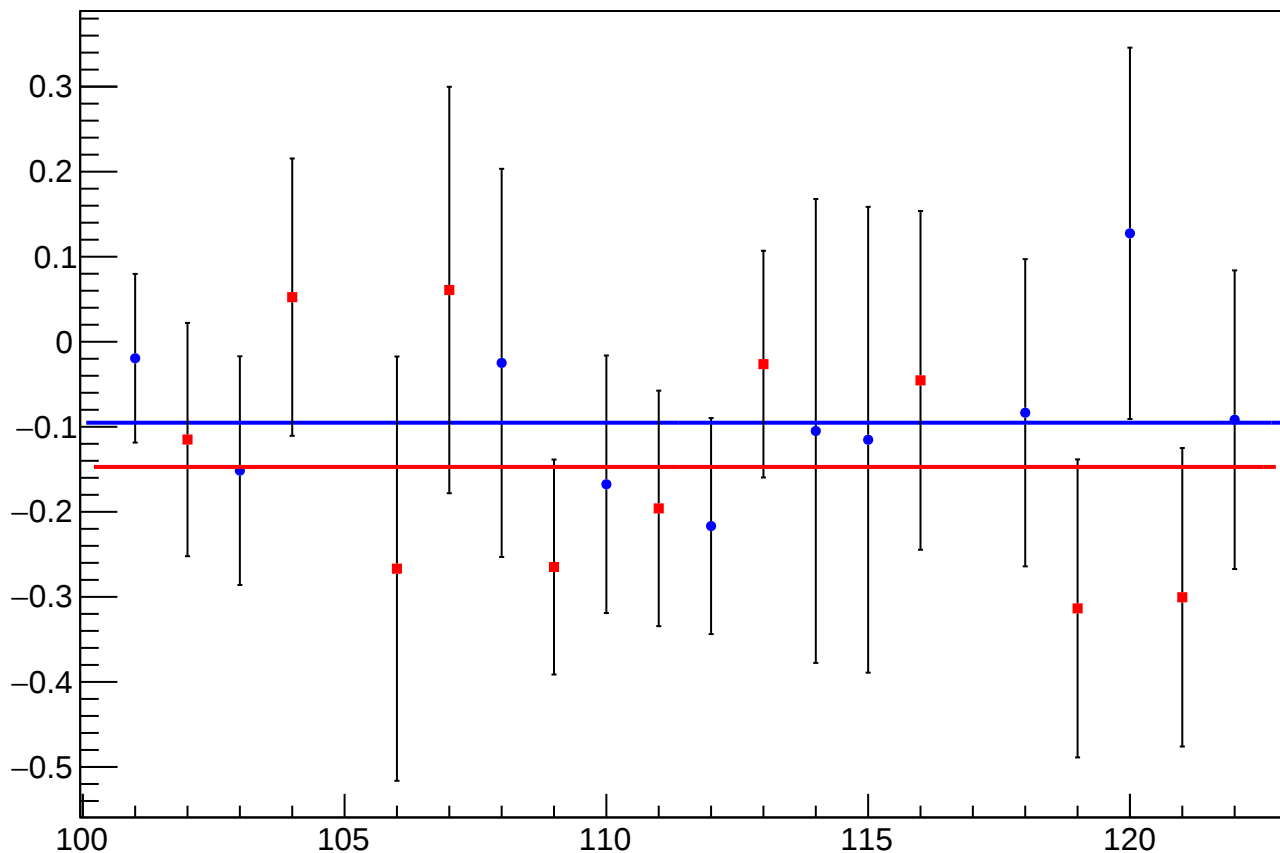
Right: -0.003 $\pm$ 0.001  $\chi^2$ /NDF: 24.7/19

In: -0.004 $\pm$ 0.002  $\chi^2$ /NDF:11.3/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.003 $\pm$ 0.001  $\chi^2$ /NDF: 24.7/19

reg\_asym\_ds\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-0.095 \pm 0.050$   $\chi^2/\text{NDF}$ : 3.0/9

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.147 \pm 0.051$   $\chi^2/\text{NDF}$ : 6.3/9

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

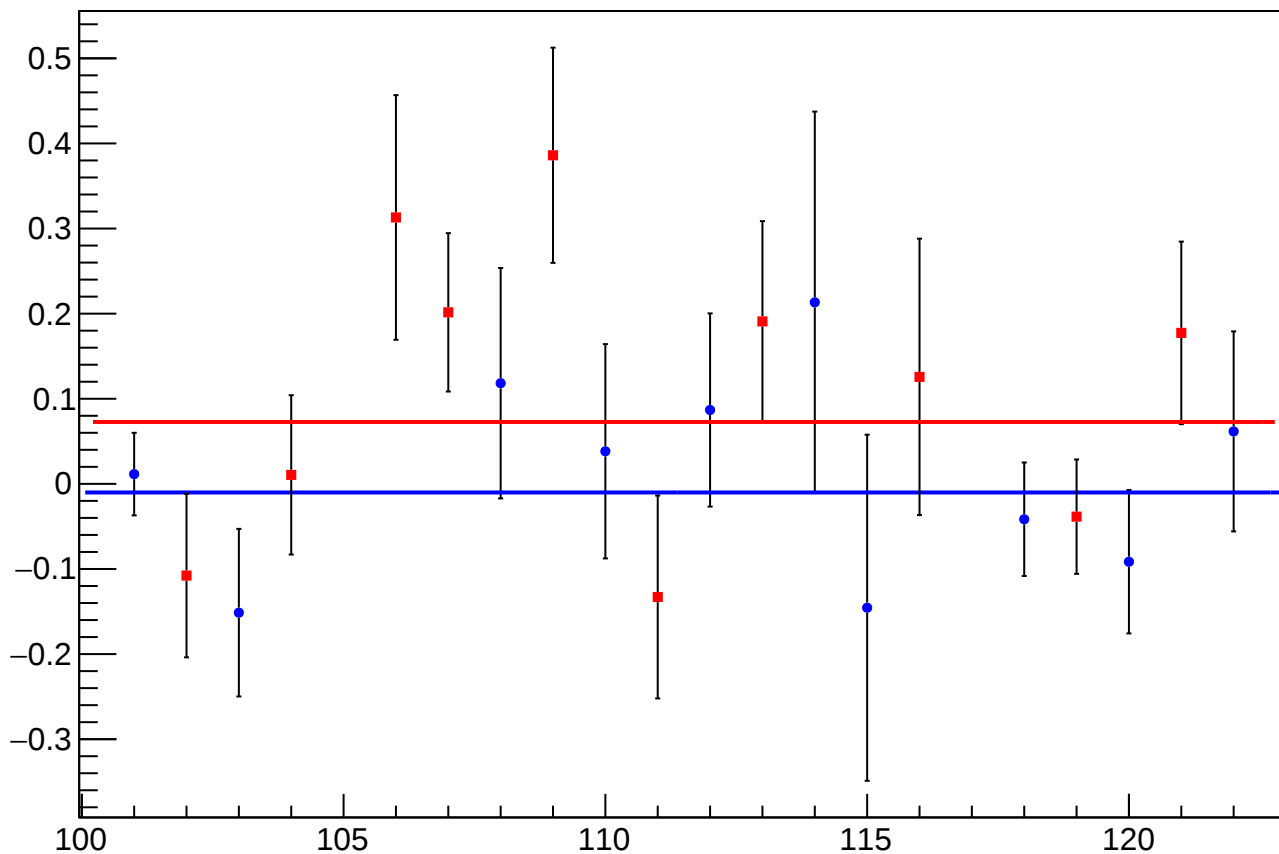
Right:  $-0.121 \pm 0.036$   $\chi^2/\text{NDF}$ : 9.9/19

In:  $-0.095 \pm 0.050$   $\chi^2/\text{NDF}$ : 3.0/9

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.121 \pm 0.036$   $\chi^2/\text{NDF}$ : 9.9/19

reg\_asym\_ds\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -0.010 $\pm$ 0.029  $\chi^2$ /NDF: 7.0/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.073 $\pm$ 0.033  $\chi^2$ /NDF: 22.6/9

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

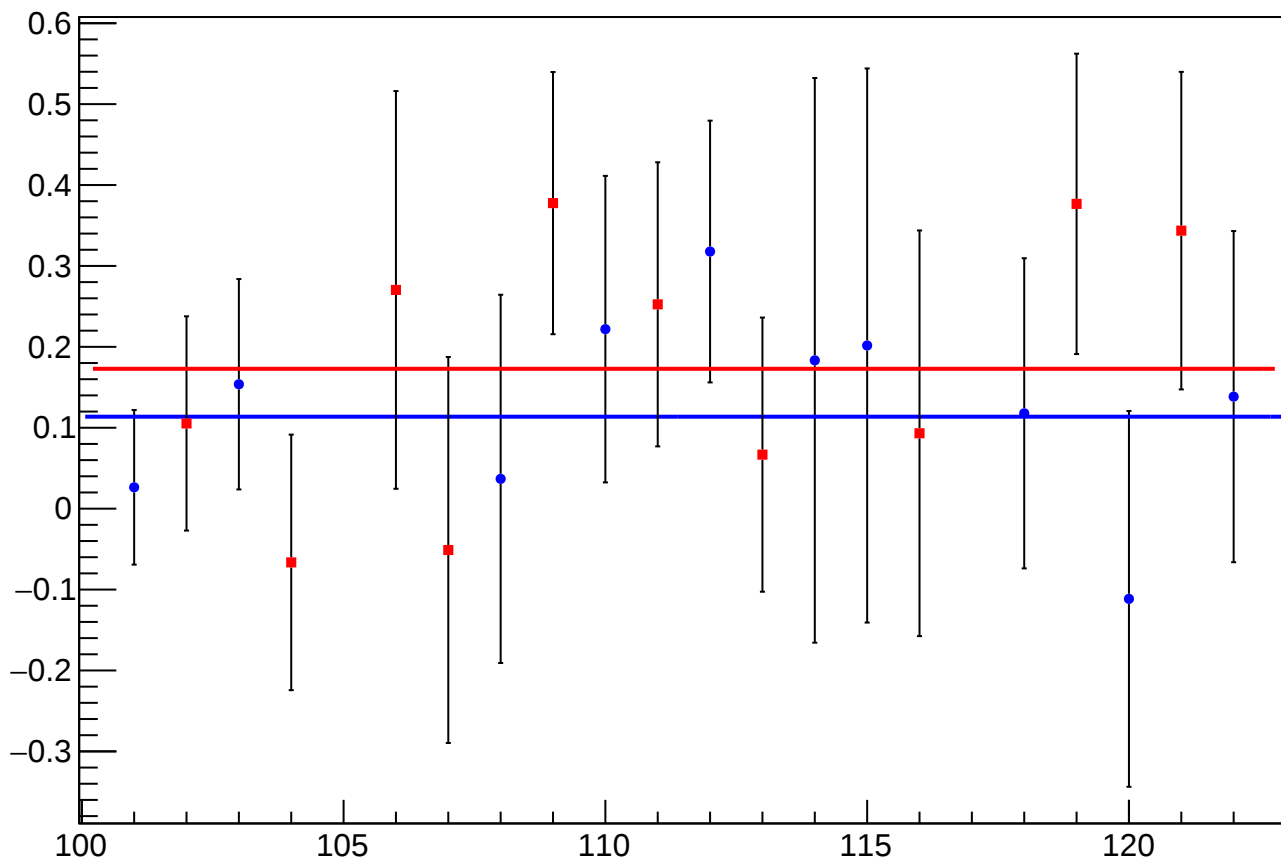
Right: 0.026 $\pm$ 0.022  $\chi^2$ /NDF: 33.2/19

In: -0.010 $\pm$ 0.029  $\chi^2$ /NDF:7.0/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.026 $\pm$ 0.022  $\chi^2$ /NDF: 33.2/19

reg\_asym\_ds\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 0.114 $\pm$ 0.054  $\chi^2$ /NDF: 4.0/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.173 $\pm$ 0.057  $\chi^2$ /NDF: 7.9/9

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

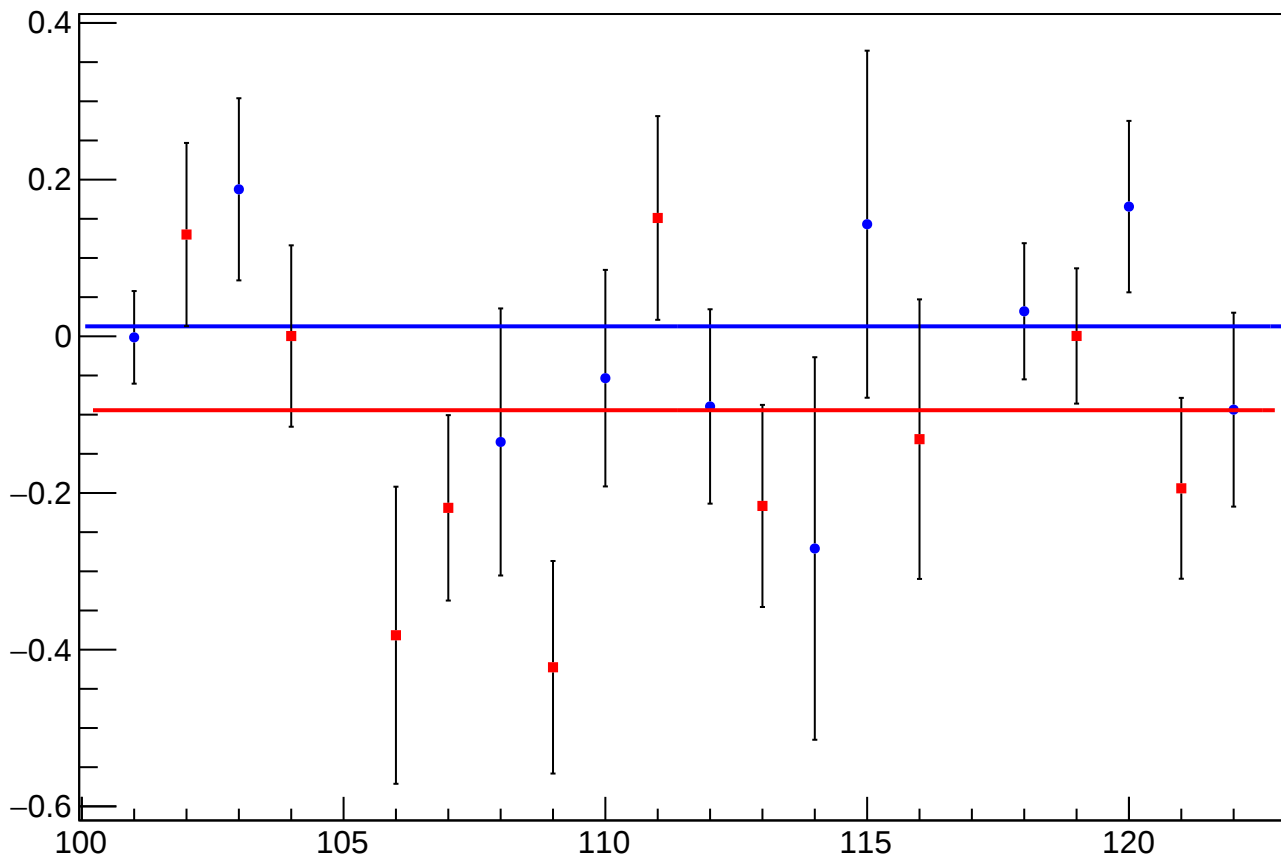
Right: 0.142 $\pm$ 0.039  $\chi^2$ /NDF: 12.4/19

In: 0.114 $\pm$ 0.054  $\chi^2$ /NDF:4.0/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.142 $\pm$ 0.039  $\chi^2$ /NDF: 12.4/19

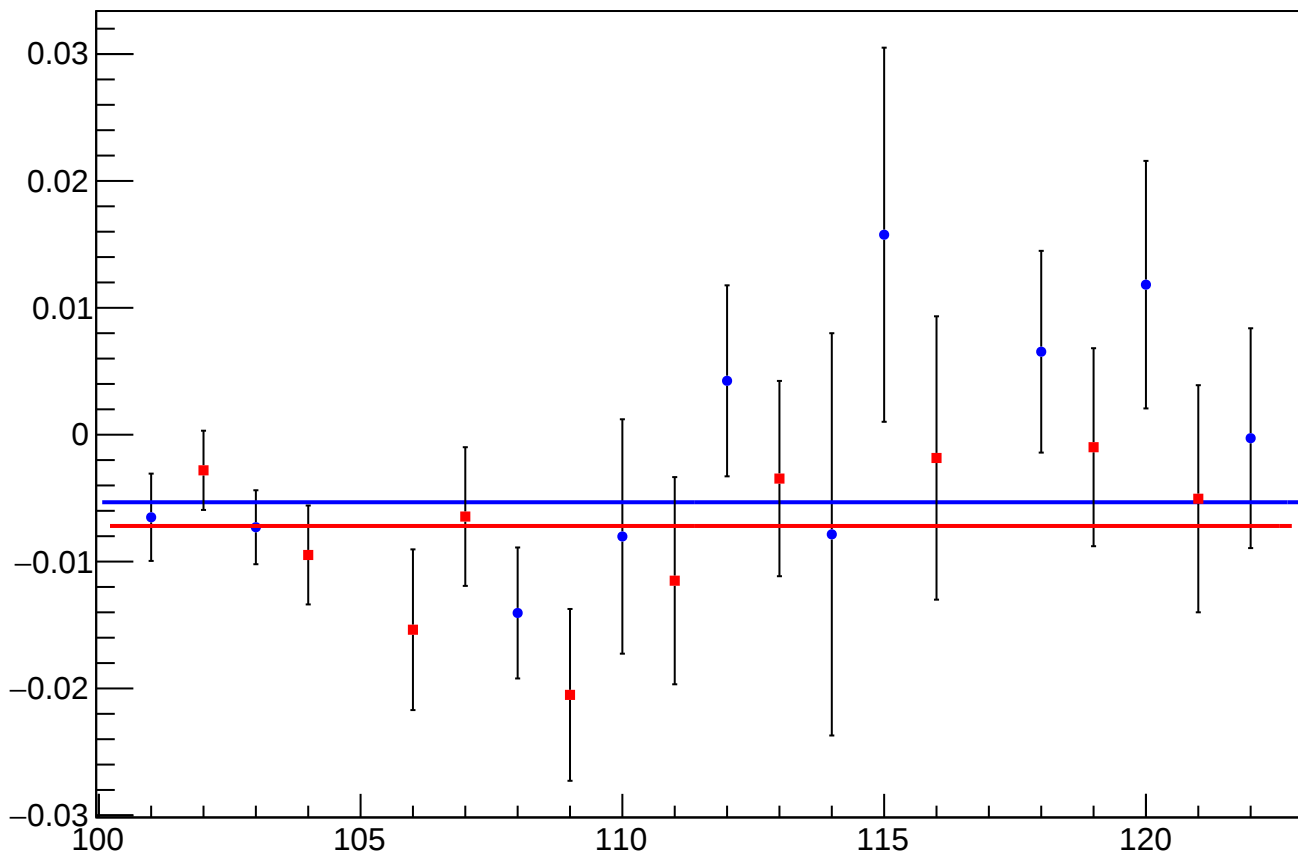
reg\_asym\_ds\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.013+/-0.035  $\chi^2/\text{NDF}$ : 8.4/9  
 Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 Right Out: -0.094+/-0.039  $\chi^2/\text{NDF}$ : 20.1/9  
 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: -0.035+/-0.026  $\chi^2/\text{NDF}$ : 32.7/19  
 In: 0.013+/-0.035  $\chi^2/\text{NDF}$ : 8.4/9  
 Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0  
 All: -0.035+/-0.026  $\chi^2/\text{NDF}$ : 32.7/19

reg\_asym\_ds\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.005+/-0.002  $\chi^2/\text{NDF}$ : 12.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.007+/-0.002  $\chi^2/\text{NDF}$ : 9.3/9

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

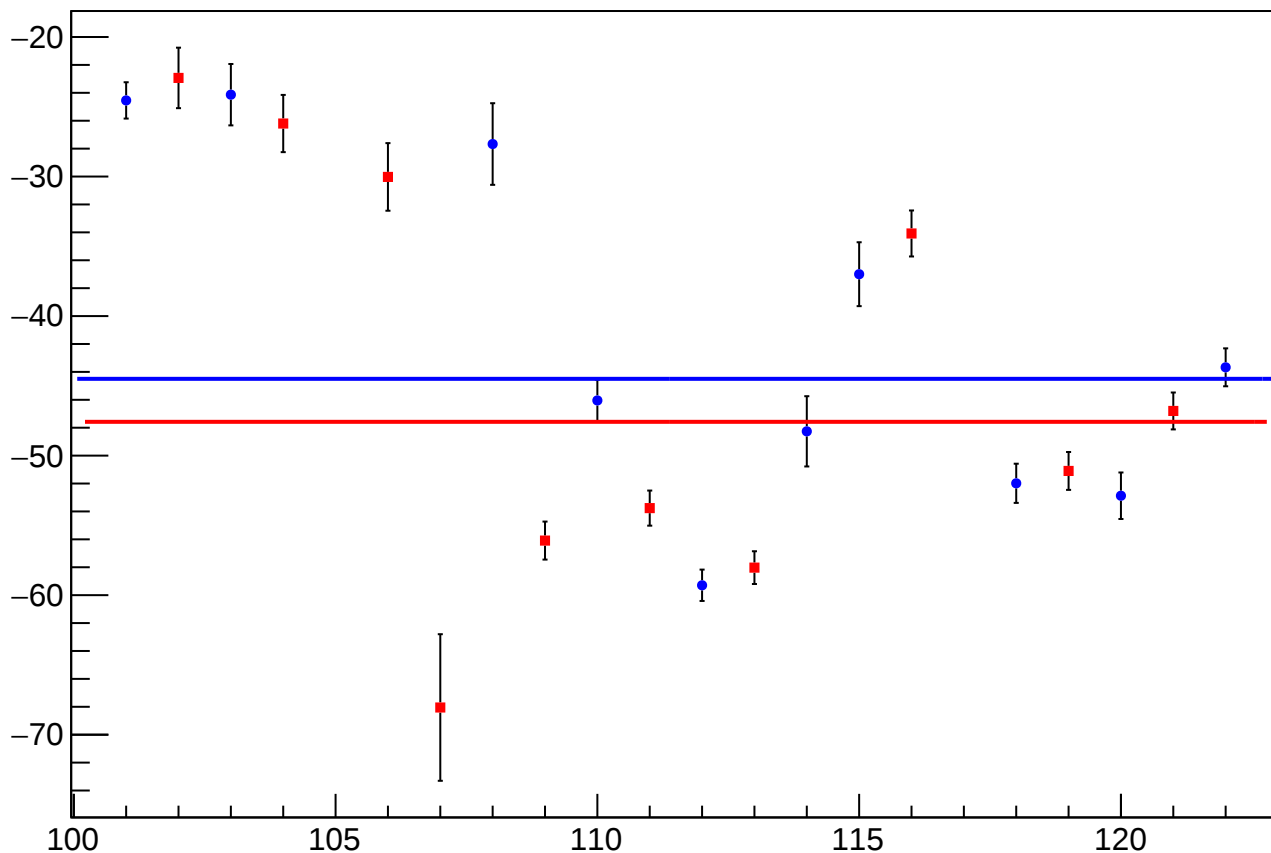
Right: -0.006+/-0.001  $\chi^2/\text{NDF}$ : 22.7/19

In: -0.005+/-0.002  $\chi^2/\text{NDF}$ :12.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.006+/-0.001  $\chi^2/\text{NDF}$ : 22.7/19

reg\_asym\_left\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -44.497 $\pm$ 0.505  $\chi^2$ /NDF: 595.3/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -47.578 $\pm$ 0.498  $\chi^2$ /NDF: 522.3/9

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

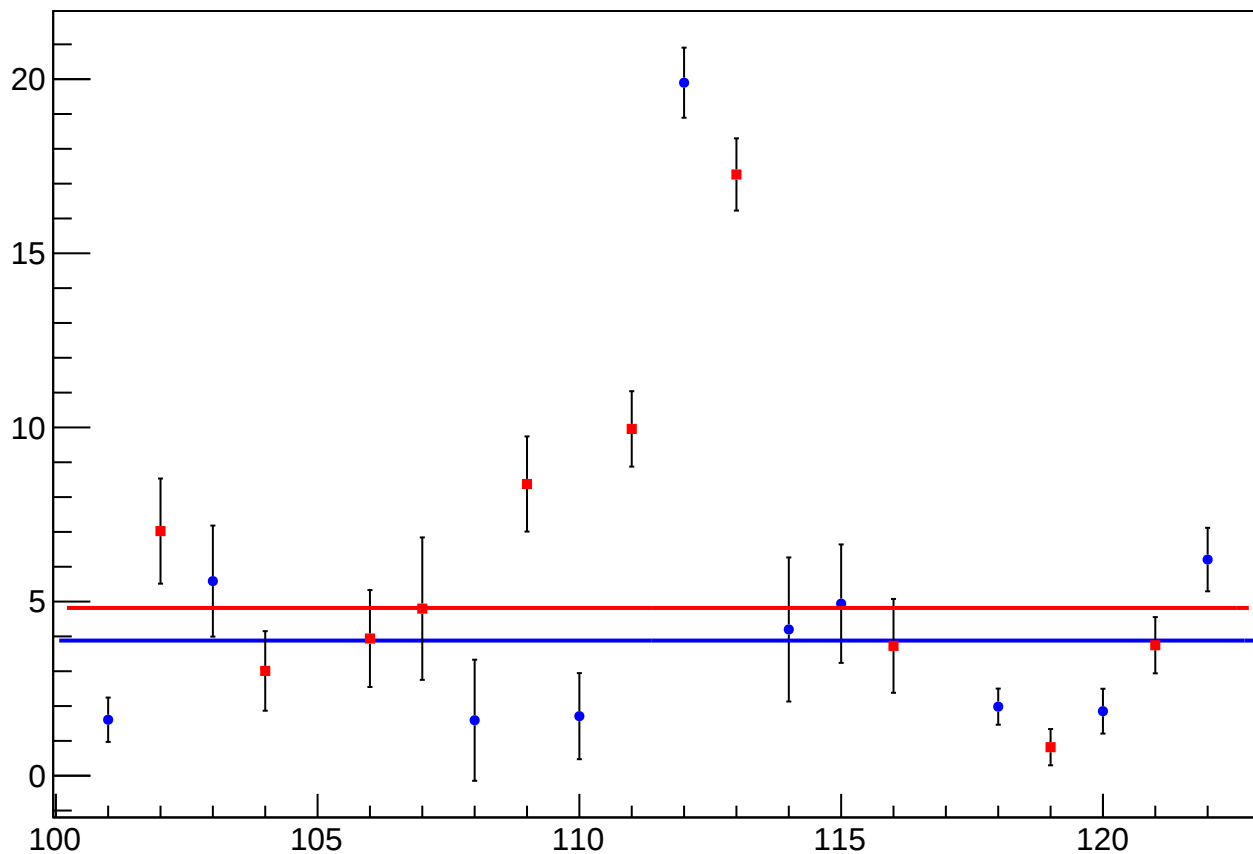
Right: -46.061 $\pm$ 0.355  $\chi^2$ /NDF: 1136.4/19

In: -44.497 $\pm$ 0.505  $\chi^2$ /NDF:595.3/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -46.061 $\pm$ 0.355  $\chi^2$ /NDF: 1136.4/19

reg\_asym\_left\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.881+/-0.280  $\chi^2/\text{NDF}$ : 302.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.817+/-0.315  $\chi^2/\text{NDF}$ : 239.7/9

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

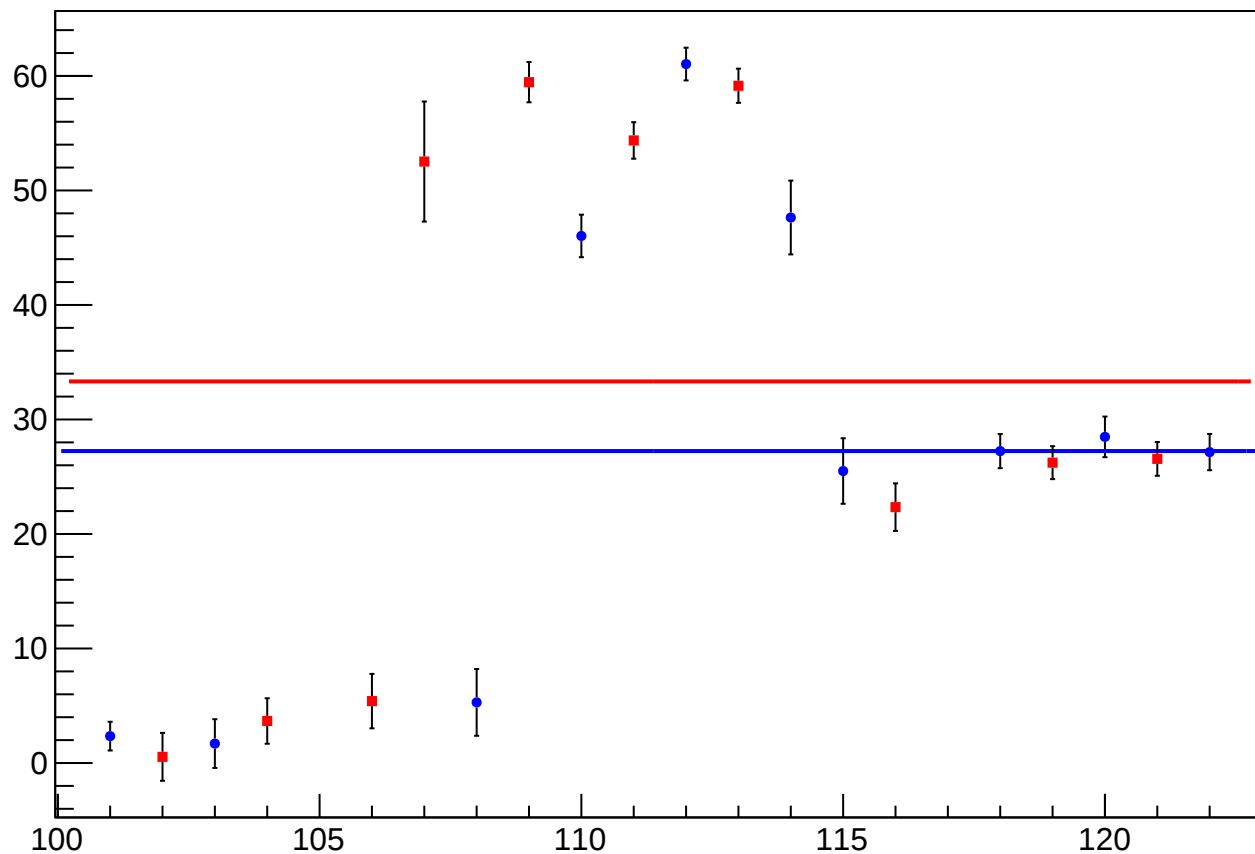
Right: 4.293+/-0.209  $\chi^2/\text{NDF}$ : 547.3/19

In: 3.881+/-0.280  $\chi^2/\text{NDF}$ : 302.6/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.293+/-0.209  $\chi^2/\text{NDF}$ : 547.3/19

reg\_asym\_left\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 27.244+/-0.565  $\chi^2/\text{NDF}$ : 1295.9/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 33.323+/-0.574  $\chi^2/\text{NDF}$ : 1388.2/9

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

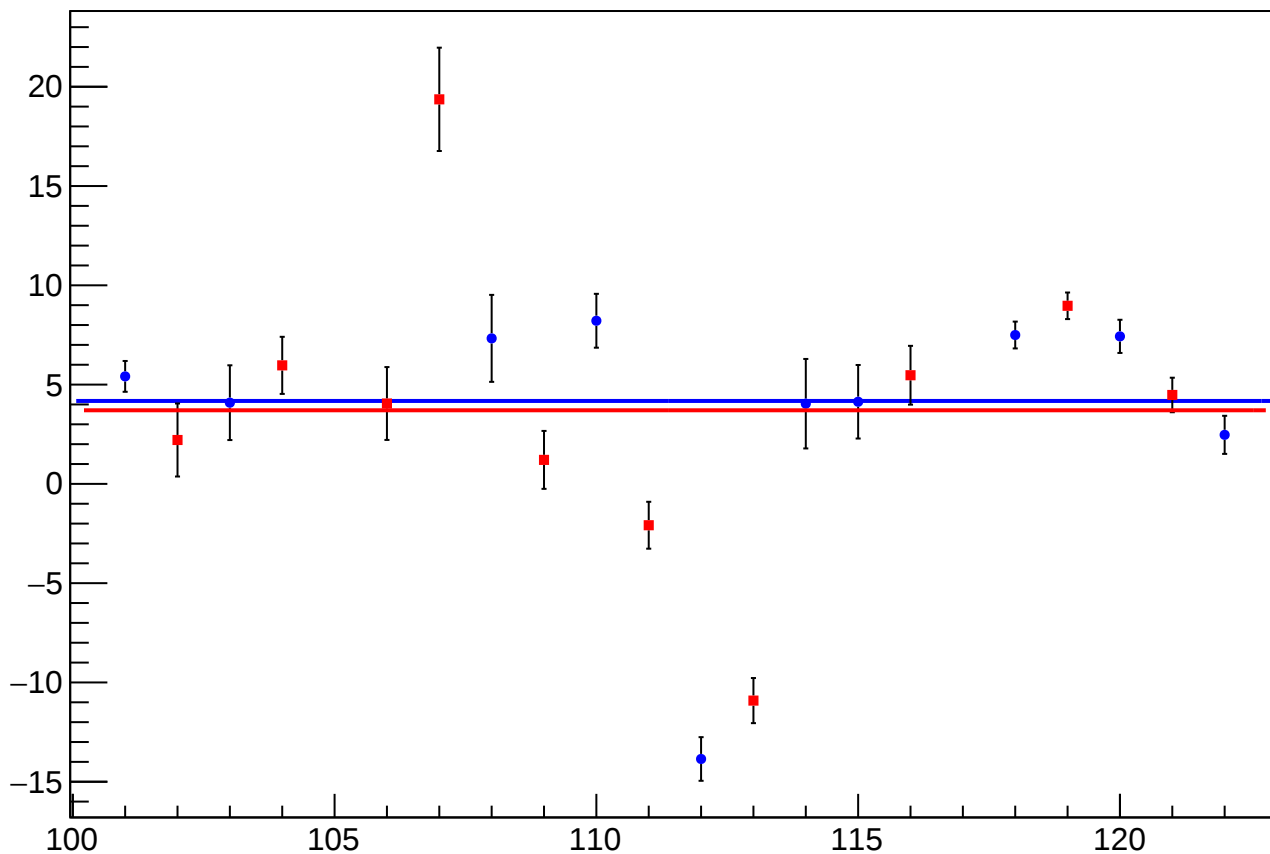
Right: 30.234+/-0.402  $\chi^2/\text{NDF}$ : 2741.0/19

In: 27.244+/-0.565  $\chi^2/\text{NDF}$ : 1295.9/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.234+/-0.402  $\chi^2/\text{NDF}$ : 2741.0/19

reg\_asym\_left\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.176+/-0.339  $\chi^2/\text{NDF}$ : 325.1/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.706+/-0.373  $\chi^2/\text{NDF}$ : 296.1/9

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

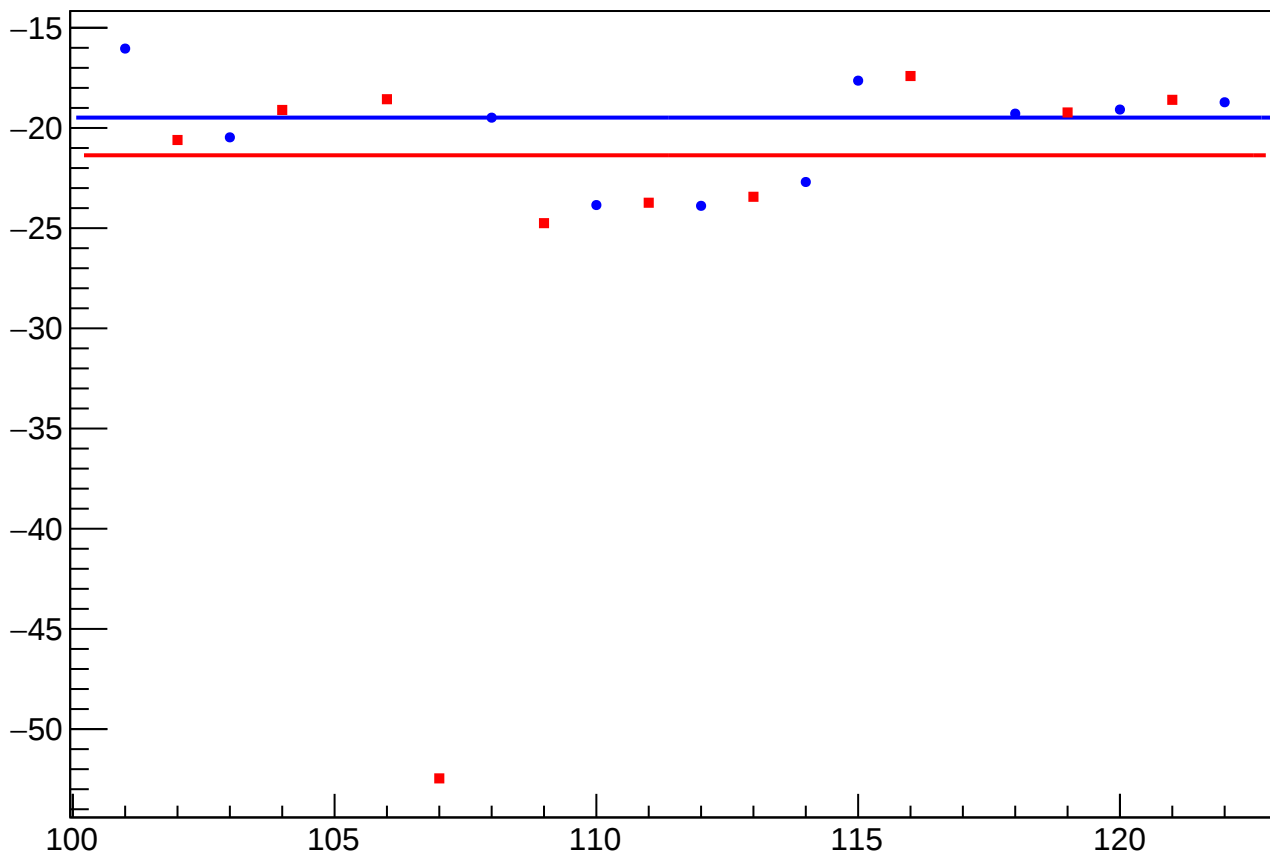
Right: 3.964+/-0.251  $\chi^2/\text{NDF}$ : 622.0/19

In: 4.176+/-0.339  $\chi^2/\text{NDF}$ : 325.1/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.964+/-0.251  $\chi^2/\text{NDF}$ : 622.0/19

reg\_asym\_left\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.482 \pm 0.021$   $\chi^2/\text{NDF}: 13823.9/9$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-21.363 \pm 0.021$   $\chi^2/\text{NDF}: 79527.0/9$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

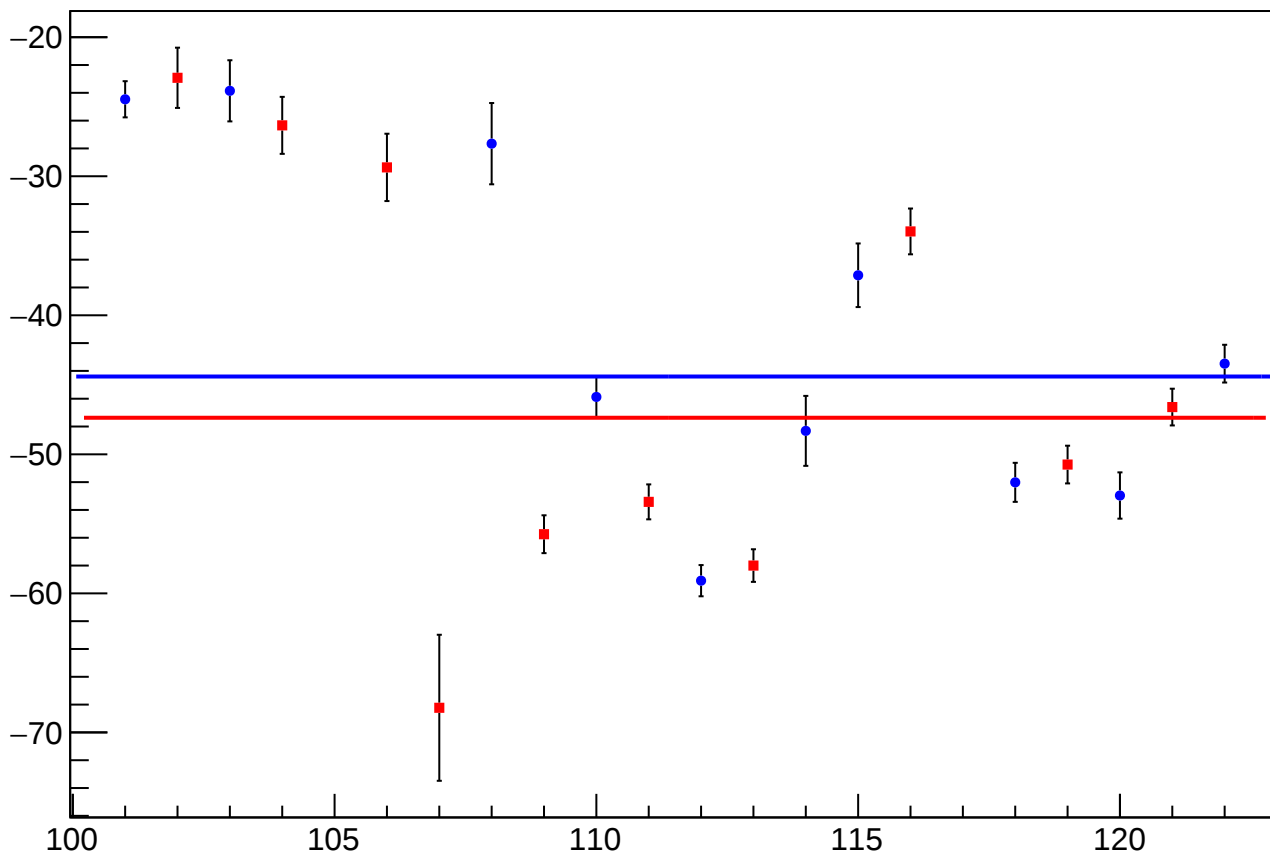
Right:  $-20.429 \pm 0.015$   $\chi^2/\text{NDF}: 97414.0/19$

In:  $-19.482 \pm 0.021$   $\chi^2/\text{NDF}: 13823.9/9$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-20.429 \pm 0.015$   $\chi^2/\text{NDF}: 97414.0/19$

reg\_asym\_left\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -44.403 $\pm$ 0.505  $\chi^2$ /NDF: 595.9/9

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -47.369 $\pm$ 0.497  $\chi^2$ /NDF: 519.6/9

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

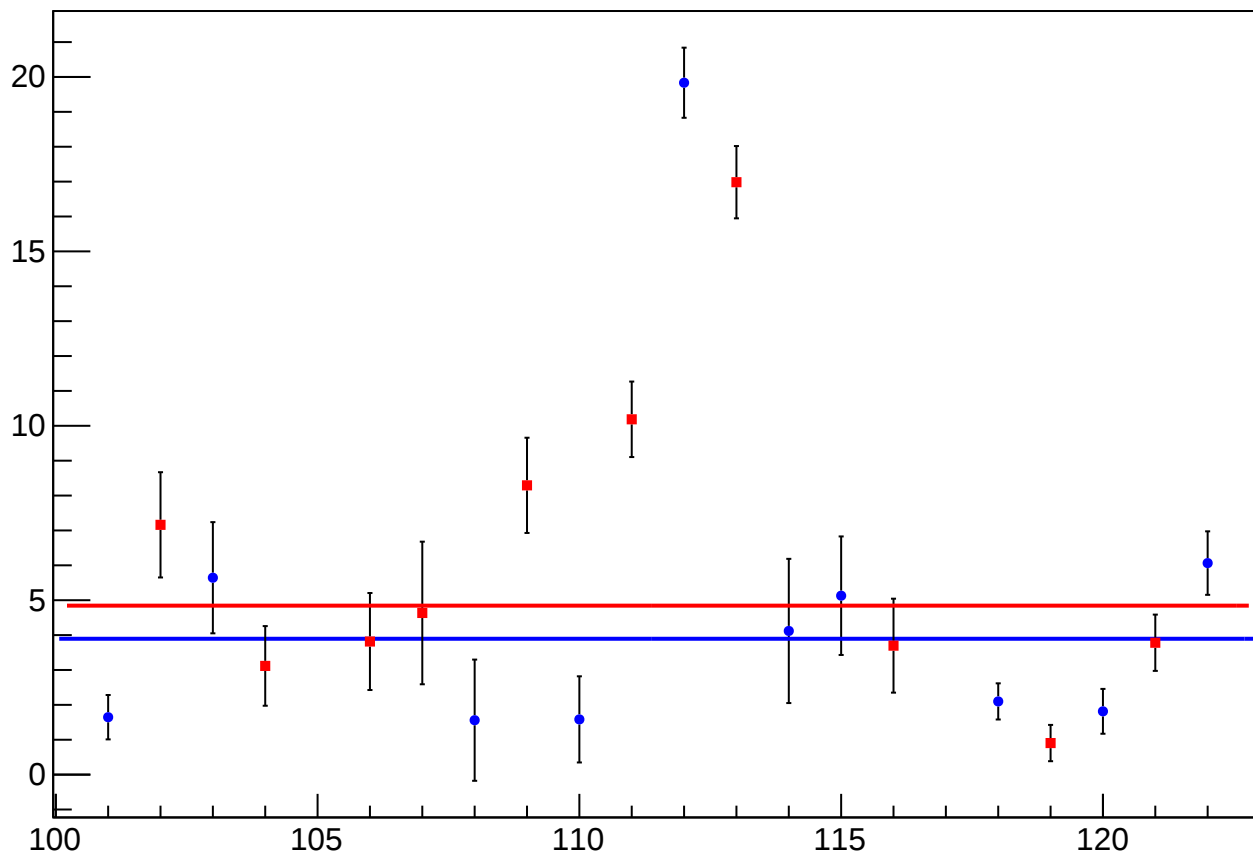
Right: -45.909 $\pm$ 0.354  $\chi^2$ /NDF: 1133.0/19

In: -44.403 $\pm$ 0.505  $\chi^2$ /NDF:595.9/9

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -45.909 $\pm$ 0.354  $\chi^2$ /NDF: 1133.0/19

reg\_asym\_left\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.895+/-0.280  $\chi^2/\text{NDF}$ : 299.2/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.844+/-0.315  $\chi^2/\text{NDF}$ : 232.9/9

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

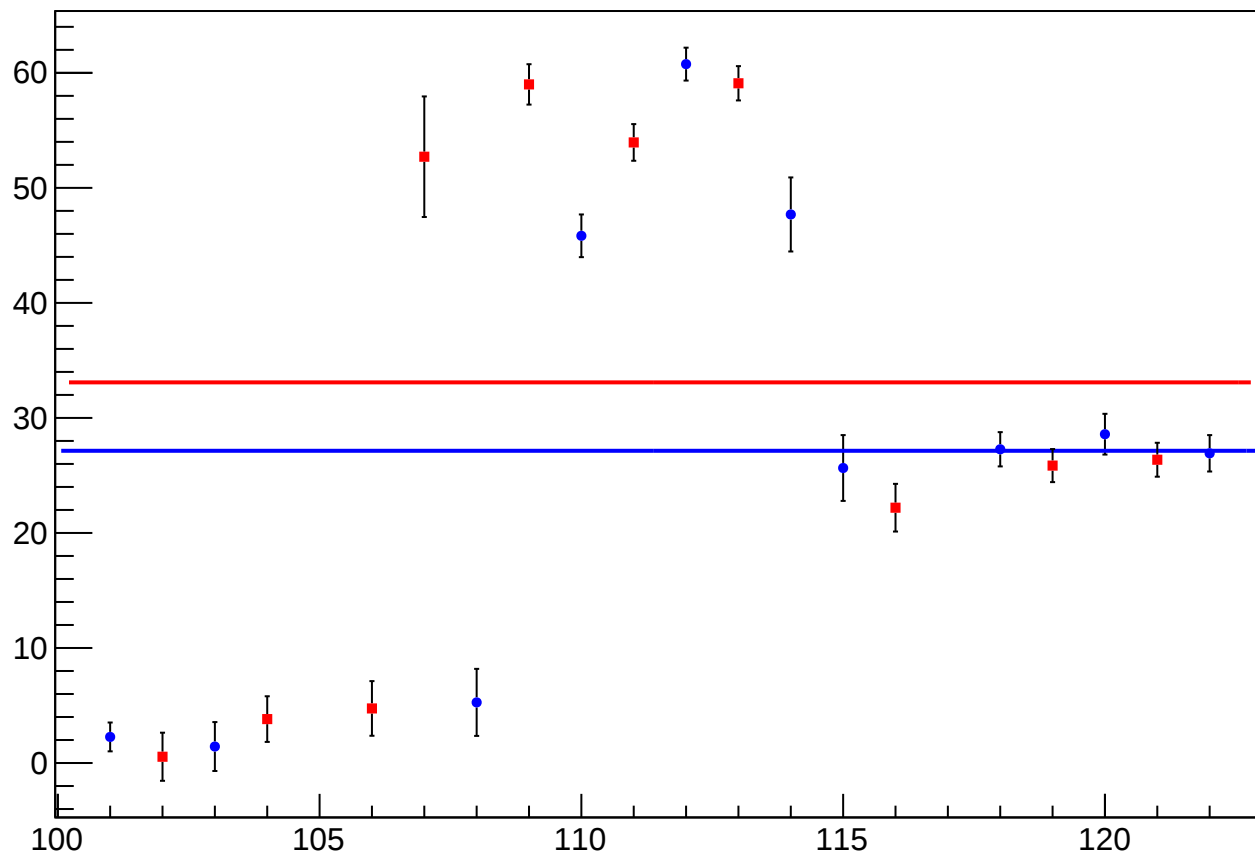
Right: 4.313+/-0.209  $\chi^2/\text{NDF}$ : 537.2/19

In: 3.895+/-0.280  $\chi^2/\text{NDF}$ : 299.2/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.313+/-0.209  $\chi^2/\text{NDF}$ : 537.2/19

reg\_asym\_left\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 27.144+/-0.564  $\chi^2/\text{NDF}$ : 1292.0/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 33.091+/-0.573  $\chi^2/\text{NDF}$ : 1383.1/9

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

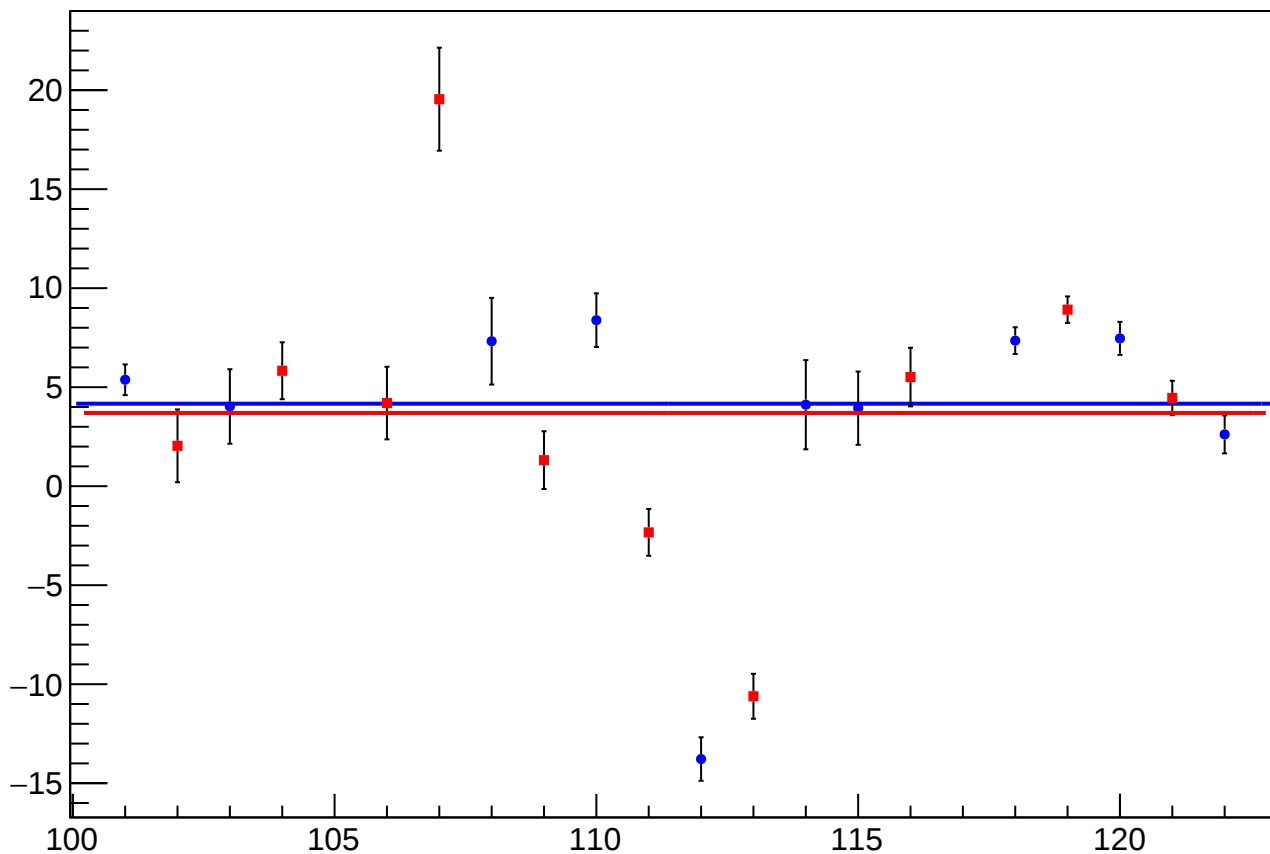
Right: 30.069+/-0.402  $\chi^2/\text{NDF}$ : 2729.7/19

In: 27.144+/-0.564  $\chi^2/\text{NDF}$ : 1292.0/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.069+/-0.402  $\chi^2/\text{NDF}$ : 2729.7/19

reg\_asym\_left\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.166+/-0.338  $\chi^2/\text{NDF}$ : 321.6/9

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.696+/-0.372  $\chi^2/\text{NDF}$ : 291.1/9

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

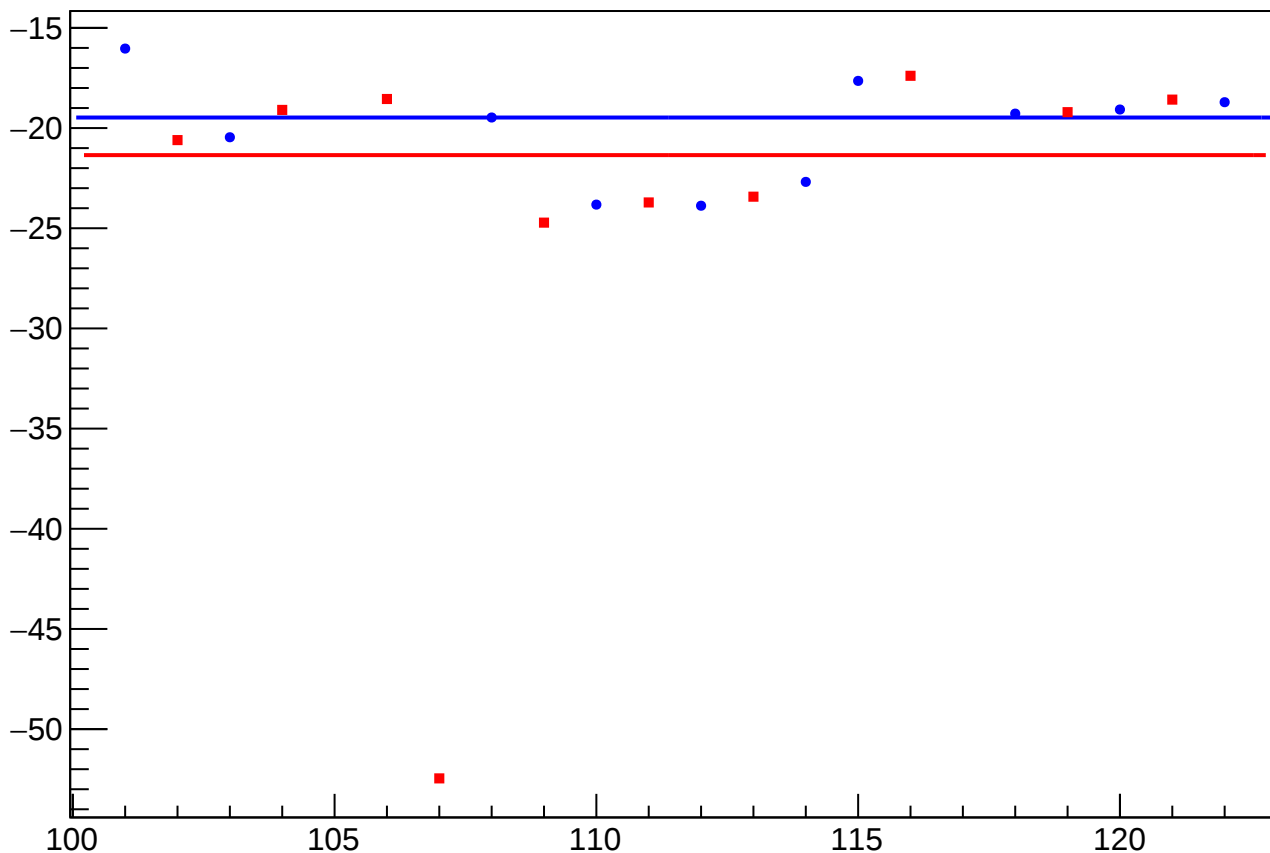
Right: 3.954+/-0.250  $\chi^2/\text{NDF}$ : 613.6/19

In: 4.166+/-0.338  $\chi^2/\text{NDF}$ : 321.6/9

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.954+/-0.250  $\chi^2/\text{NDF}$ : 613.6/19

reg\_asym\_left\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-19.474 \pm 0.021$   $\chi^2/\text{NDF}: 13802.1/9$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-21.350 \pm 0.021$   $\chi^2/\text{NDF}: 79610.2/9$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

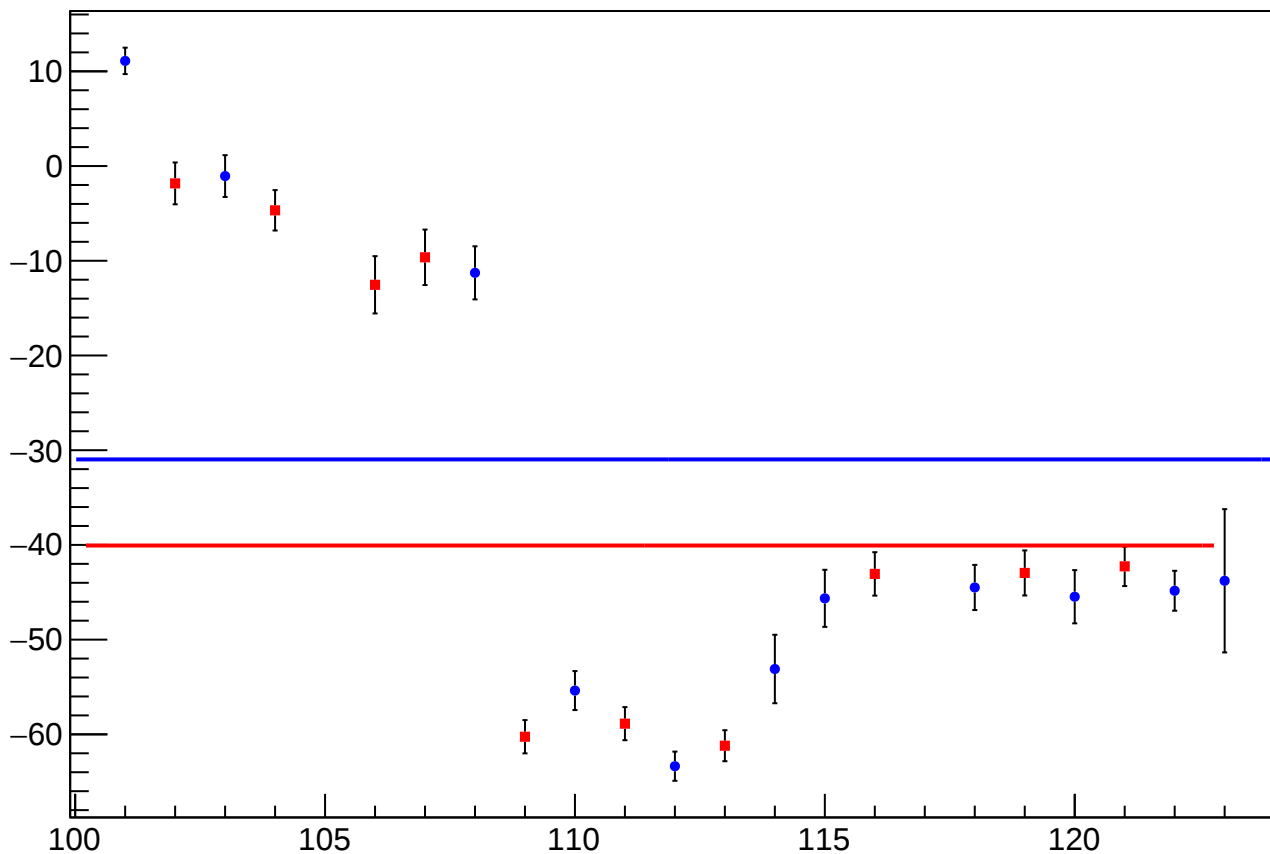
Right:  $-20.418 \pm 0.015$   $\chi^2/\text{NDF}: 97460.0/19$

In:  $-19.474 \pm 0.021$   $\chi^2/\text{NDF}: 13802.1/9$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-20.418 \pm 0.015$   $\chi^2/\text{NDF}: 97460.0/19$

reg\_asym\_right\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -30.974 $\pm$ 0.669  $\chi^2$ /NDF: 1891.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -40.064 $\pm$ 0.663  $\chi^2$ /NDF: 1184.2/9

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

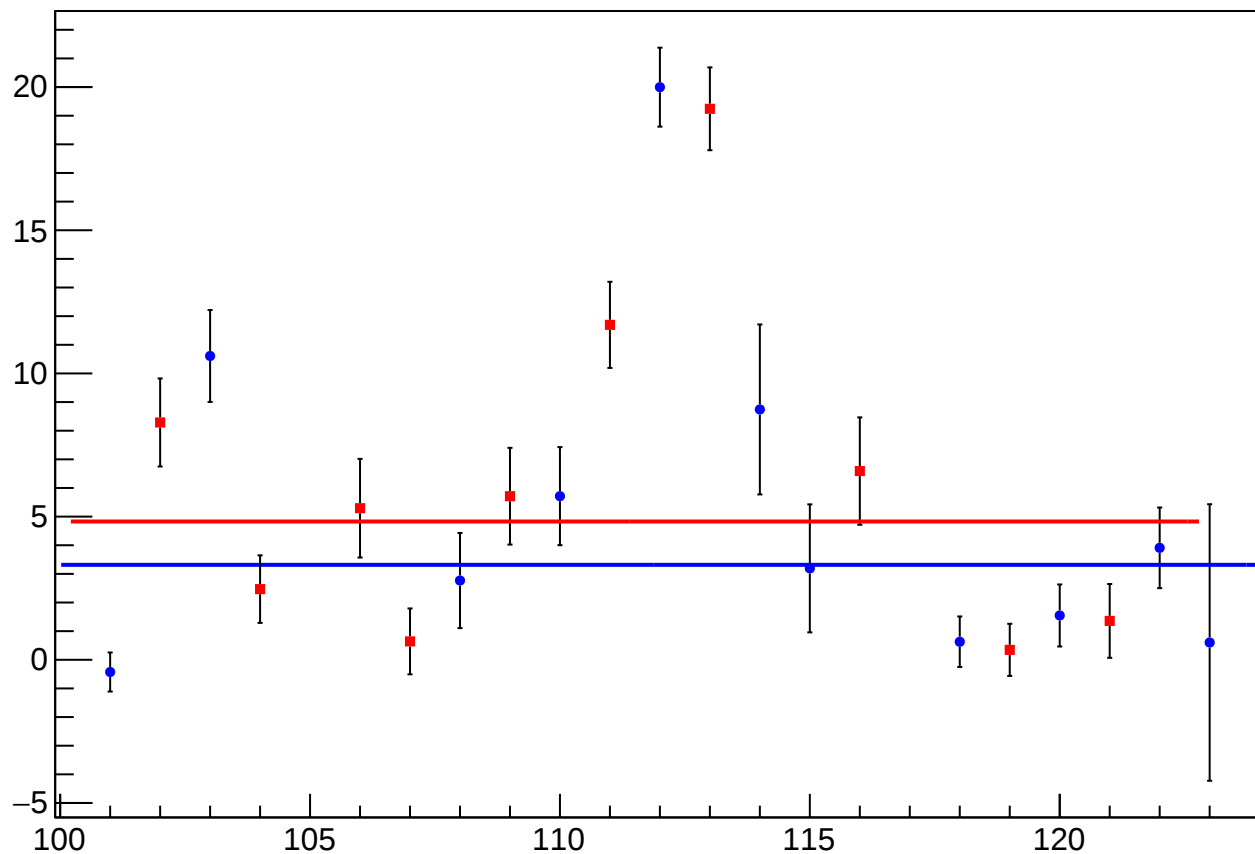
Right: -35.556 $\pm$ 0.471  $\chi^2$ /NDF: 3168.4/20

In: -30.974 $\pm$ 0.669  $\chi^2$ /NDF:1891.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -35.556 $\pm$ 0.471  $\chi^2$ /NDF: 3168.4/20

reg\_asym\_right\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.316+/-0.385  $\chi^2/\text{NDF}$ : 215.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.829+/-0.423  $\chi^2/\text{NDF}$ : 175.2/9

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

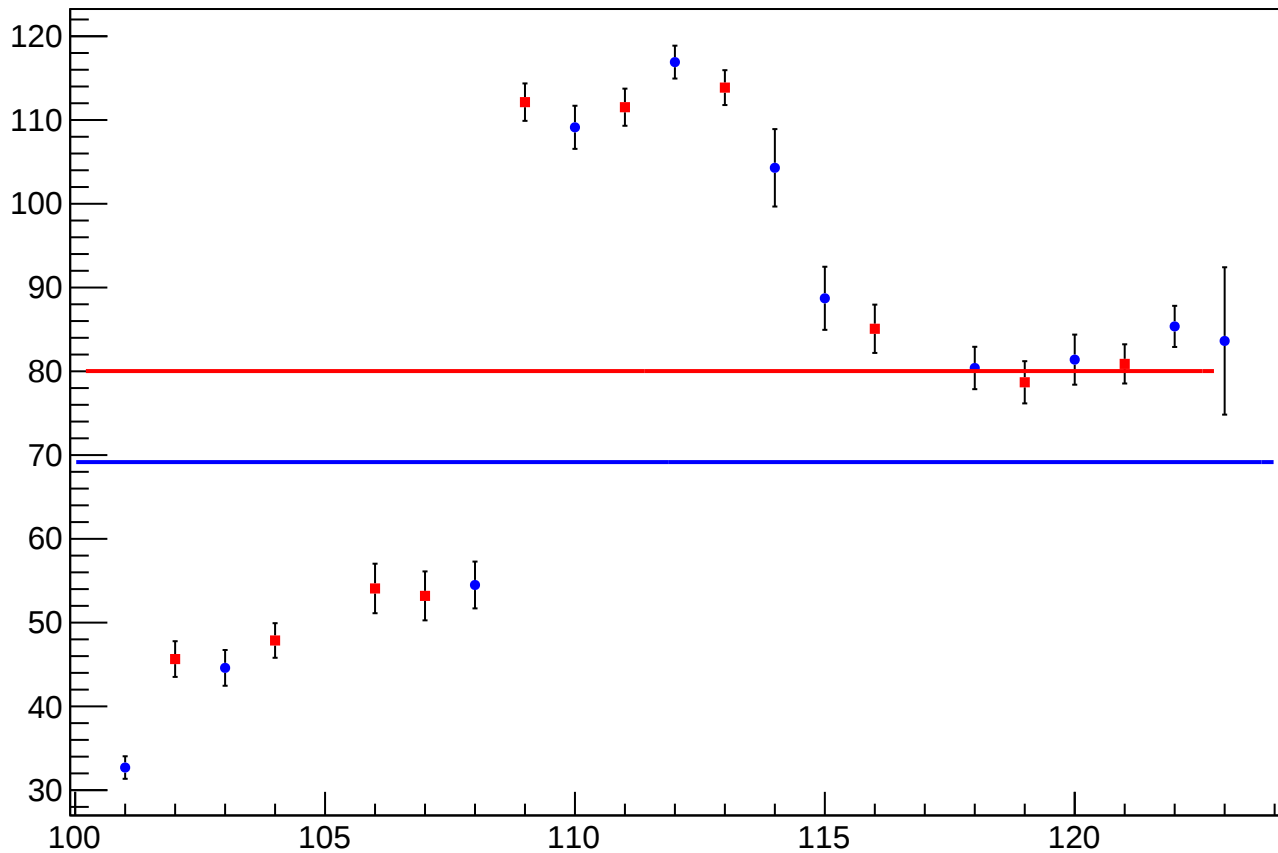
Right: 4.002+/-0.284  $\chi^2/\text{NDF}$ : 397.2/20

In: 3.316+/-0.385  $\chi^2/\text{NDF}$ : 215.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.002+/-0.284  $\chi^2/\text{NDF}$ : 397.2/20

reg\_asym\_right\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 69.163+/-0.730  $\chi^2/\text{NDF}$ : 1896.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 80.029+/-0.749  $\chi^2/\text{NDF}$ : 1340.1/9

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

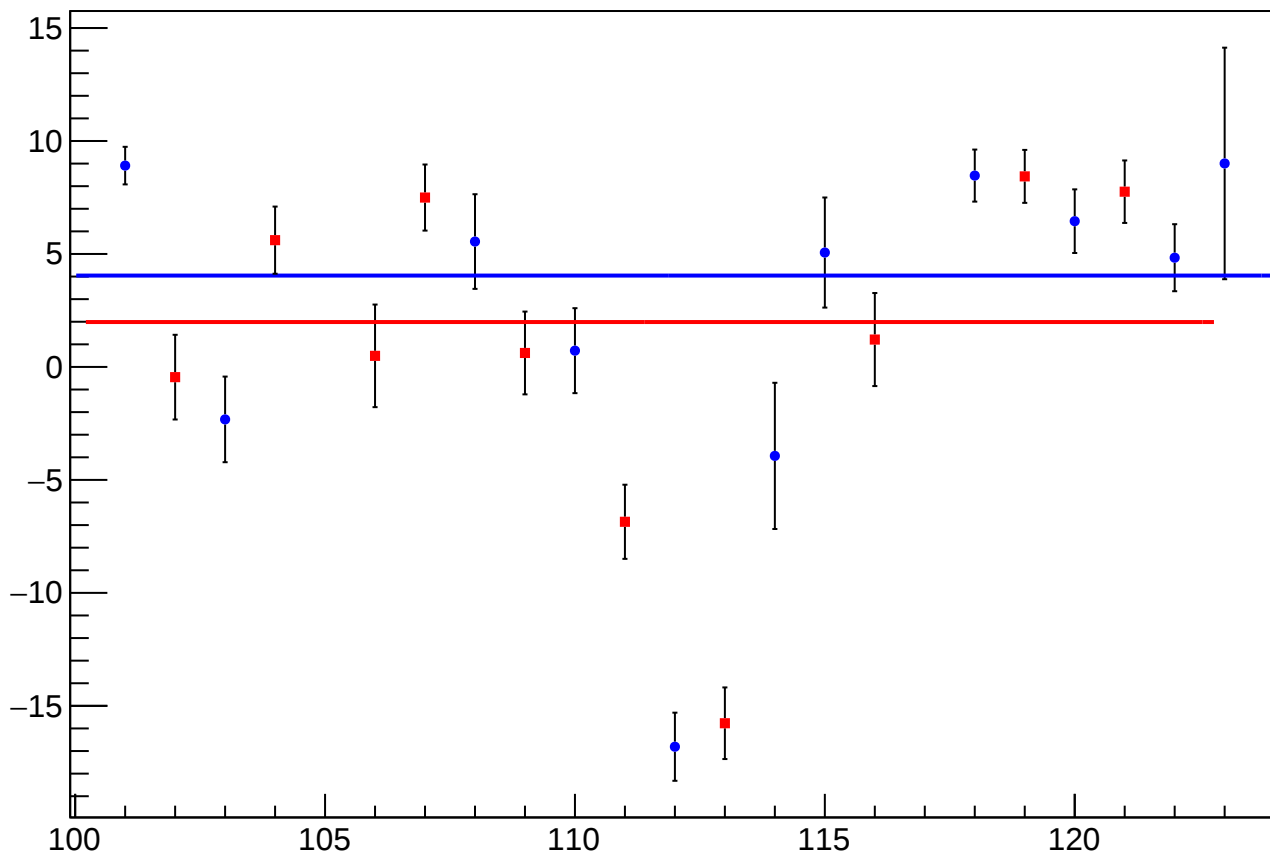
Right: 74.455+/-0.523  $\chi^2/\text{NDF}$ : 3344.4/20

In: 69.163+/-0.730  $\chi^2/\text{NDF}$ : 1896.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 74.455+/-0.523  $\chi^2/\text{NDF}$ : 3344.4/20

reg\_asym\_right\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.044+/-0.462  $\chi^2/\text{NDF}$ : 265.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.987+/-0.503  $\chi^2/\text{NDF}$ : 225.2/9

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

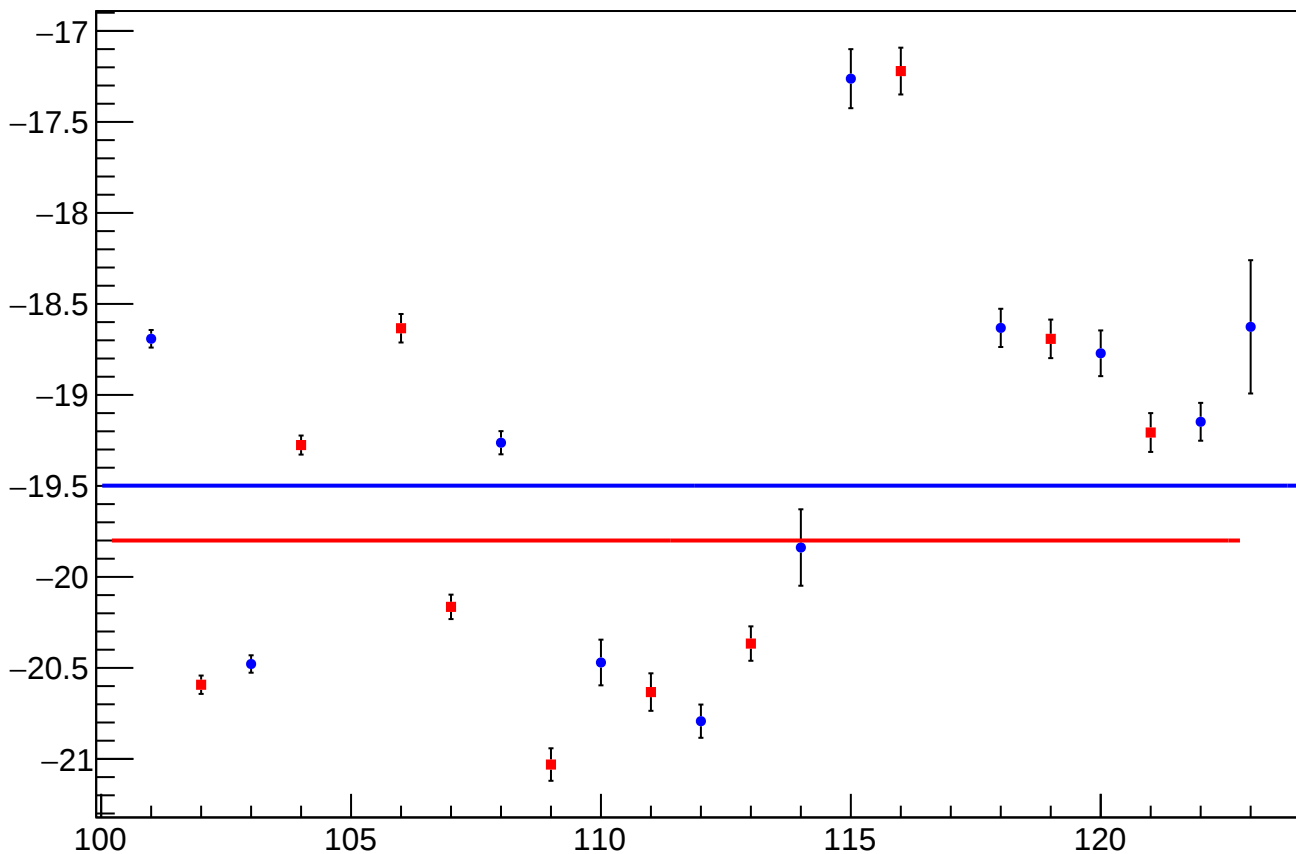
Right: 3.103+/-0.340  $\chi^2/\text{NDF}$ : 499.9/20

In: 4.044+/-0.462  $\chi^2/\text{NDF}$ : 265.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.103+/-0.340  $\chi^2/\text{NDF}$ : 499.9/20

reg\_asym\_right\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.499 $\pm$ 0.025  $\chi^2$ /NDF: 1283.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -19.800 $\pm$ 0.024  $\chi^2$ /NDF: 1432.4/9

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

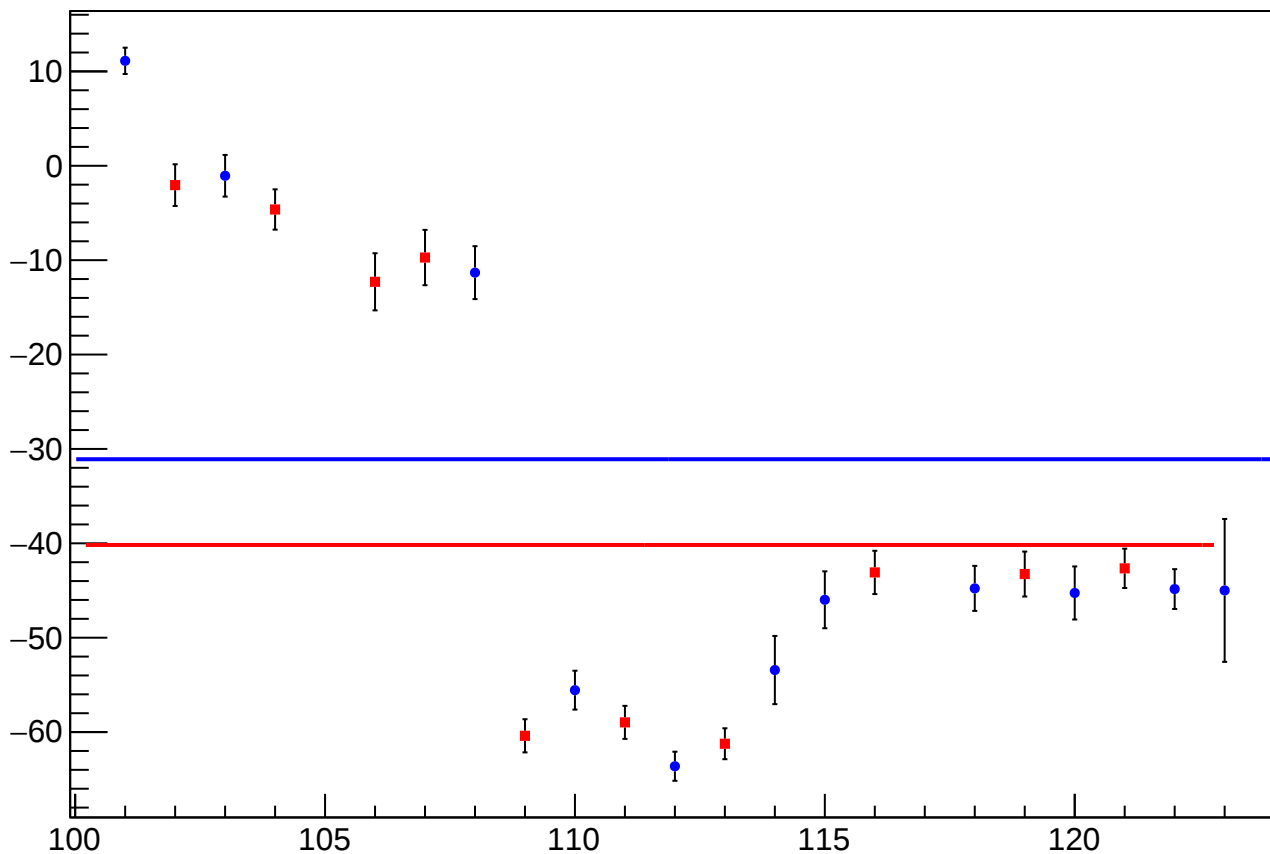
Right: -19.654 $\pm$ 0.017  $\chi^2$ /NDF: 2791.5/20

In: -19.499 $\pm$ 0.025  $\chi^2$ /NDF:1283.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -19.654 $\pm$ 0.017  $\chi^2$ /NDF: 2791.5/20

reg\_asym\_right\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -31.091+/-0.669  $\chi^2/\text{NDF}$ : 1902.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -40.174+/-0.664  $\chi^2/\text{NDF}$ : 1185.5/9

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

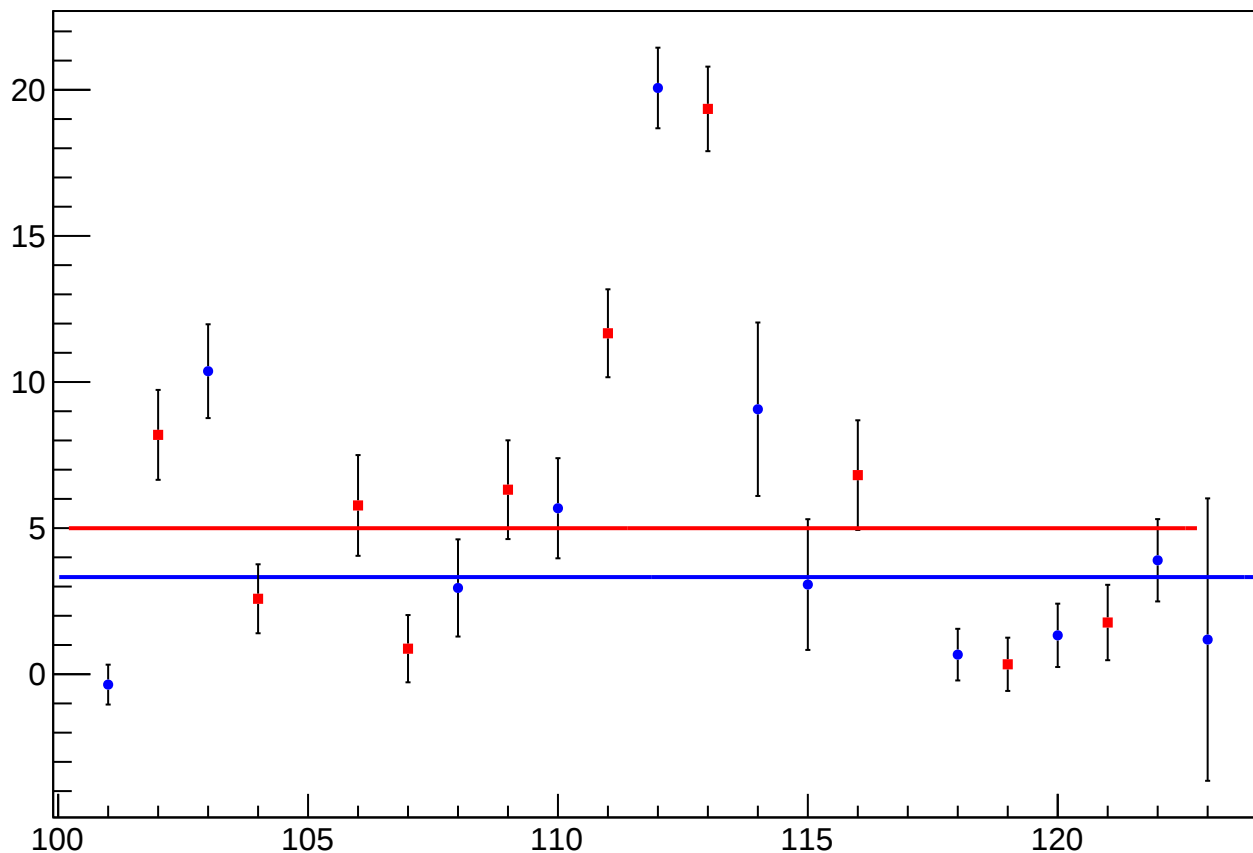
Right: -35.669+/-0.471  $\chi^2/\text{NDF}$ : 3180.5/20

In: -31.091+/-0.669  $\chi^2/\text{NDF}$ : 1902.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -35.669+/-0.471  $\chi^2/\text{NDF}$ : 3180.5/20

reg\_asym\_right\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.324+/-0.385  $\chi^2/\text{NDF}$ : 214.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.997+/-0.423  $\chi^2/\text{NDF}$ : 173.5/9

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

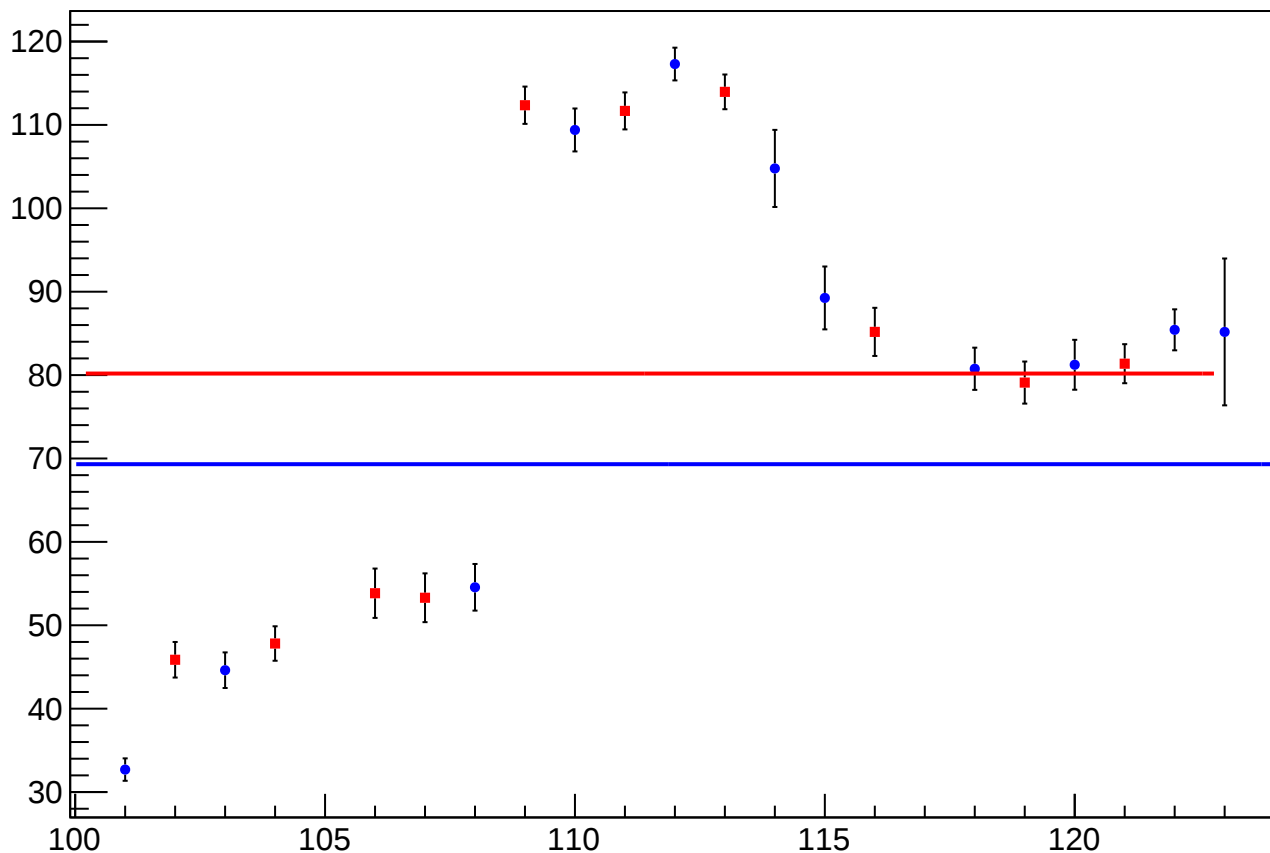
Right: 4.082+/-0.285  $\chi^2/\text{NDF}$ : 396.2/20

In: 3.324+/-0.385  $\chi^2/\text{NDF}$ : 214.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.082+/-0.285  $\chi^2/\text{NDF}$ : 396.2/20

reg\_asym\_right\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 69.316+/-0.731  $\chi^2/\text{NDF}$ : 1912.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 80.186+/-0.750  $\chi^2/\text{NDF}$ : 1343.5/9

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

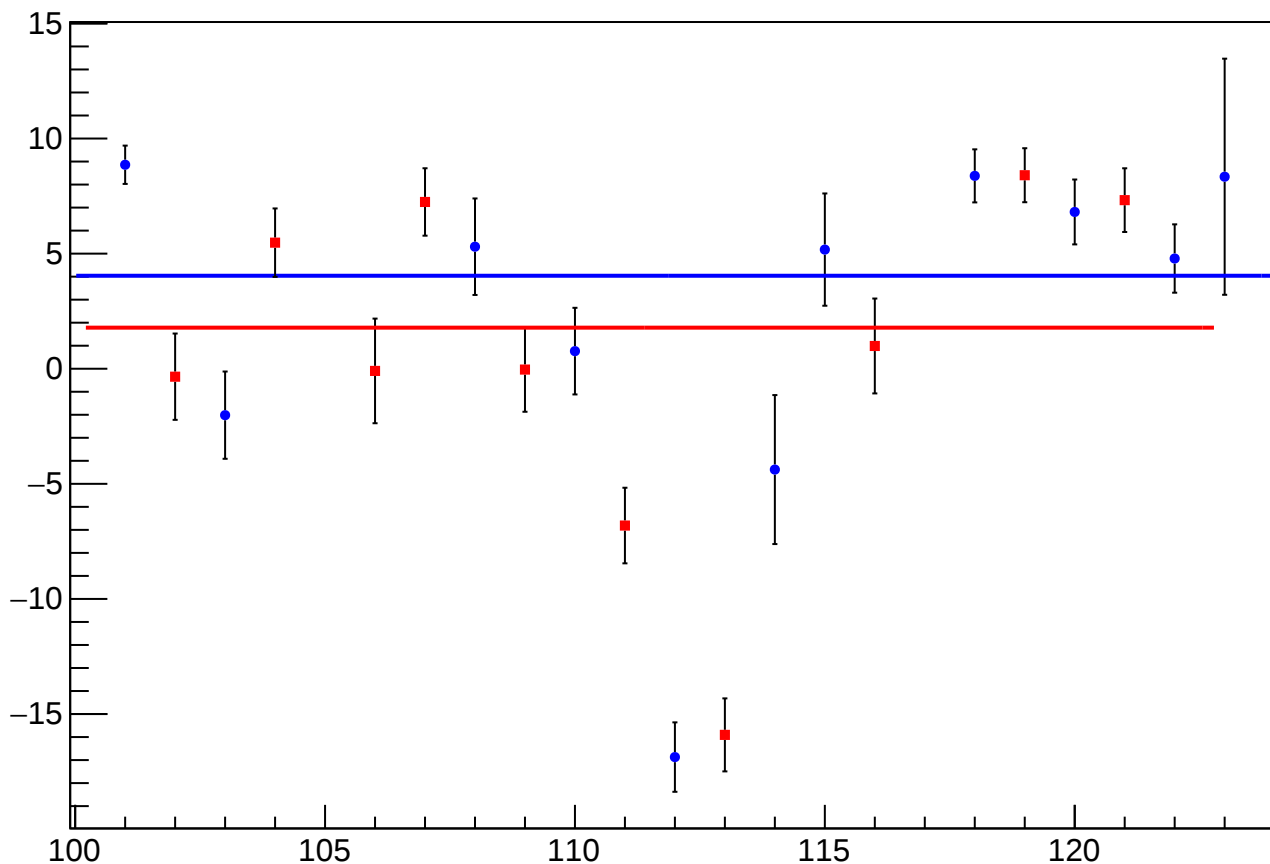
Right: 74.609+/-0.523  $\chi^2/\text{NDF}$ : 3363.6/20

In: 69.316+/-0.731  $\chi^2/\text{NDF}$ : 1912.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 74.609+/-0.523  $\chi^2/\text{NDF}$ : 3363.6/20

reg\_asym\_right\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 4.039+/-0.462  $\chi^2/\text{NDF}$ : 265.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.785+/-0.503  $\chi^2/\text{NDF}$ : 223.0/9

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

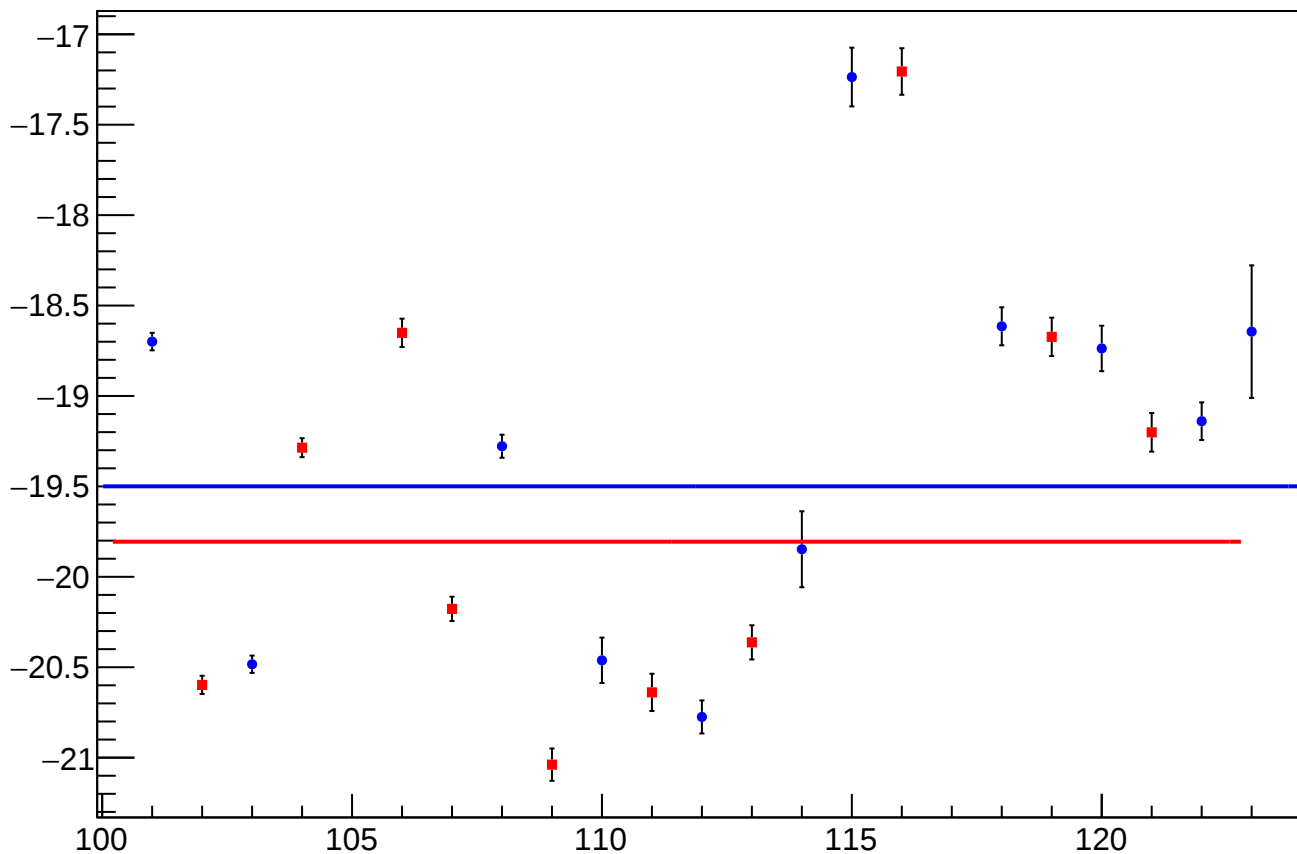
Right: 3.008+/-0.340  $\chi^2/\text{NDF}$ : 499.2/20

In: 4.039+/-0.462  $\chi^2/\text{NDF}$ : 265.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.008+/-0.340  $\chi^2/\text{NDF}$ : 499.2/20

reg\_asym\_right\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -19.500+/-0.025  $\chi^2/\text{NDF}$ : 1283.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -19.806+/-0.024  $\chi^2/\text{NDF}$ : 1437.1/9

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

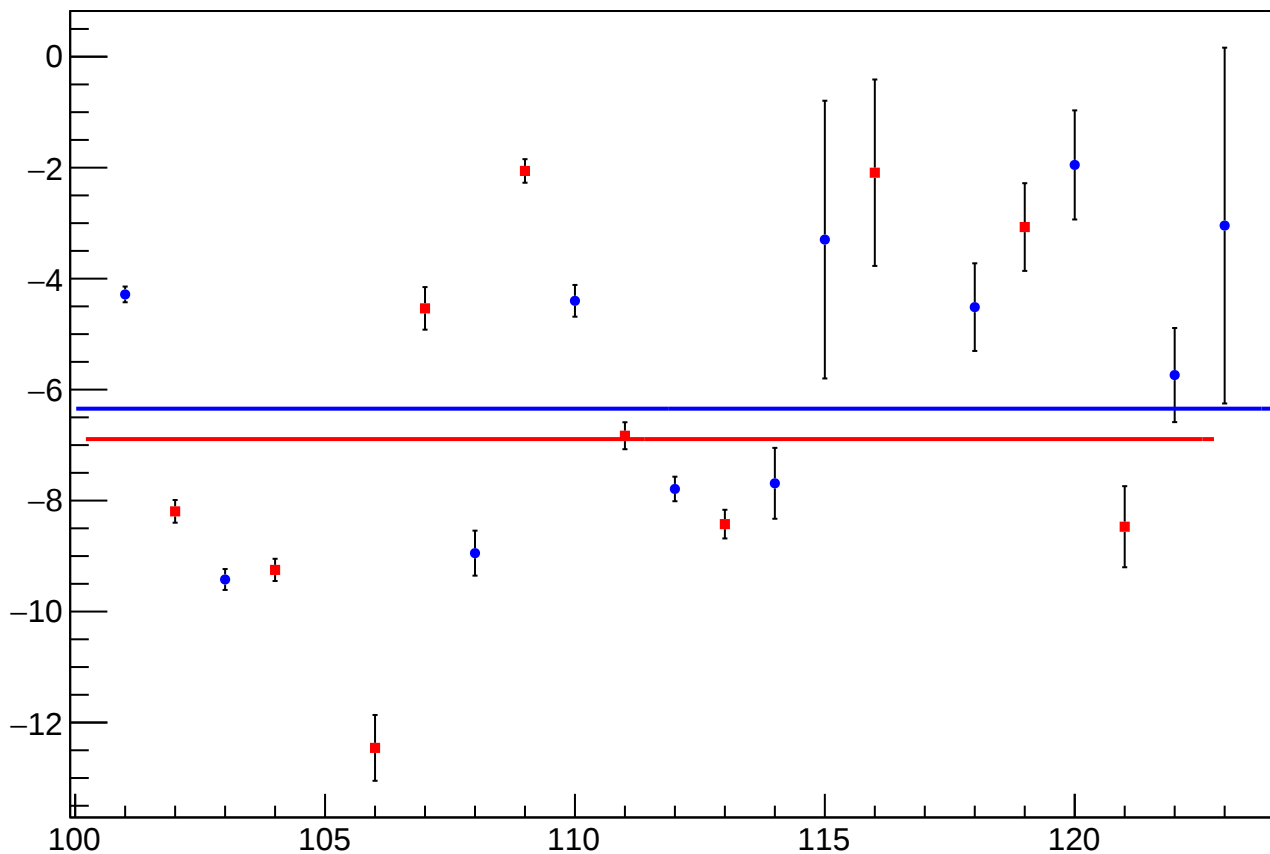
Right: -19.657+/-0.017  $\chi^2/\text{NDF}$ : 2798.6/20

In: -19.500+/-0.025  $\chi^2/\text{NDF}$ : 1283.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -19.657+/-0.017  $\chi^2/\text{NDF}$ : 2798.6/20

reg\_asym\_sam\_15\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -6.344+/-0.090  $\chi^2/\text{NDF}$ : 641.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.892+/-0.093  $\chi^2/\text{NDF}$ : 893.4/9

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

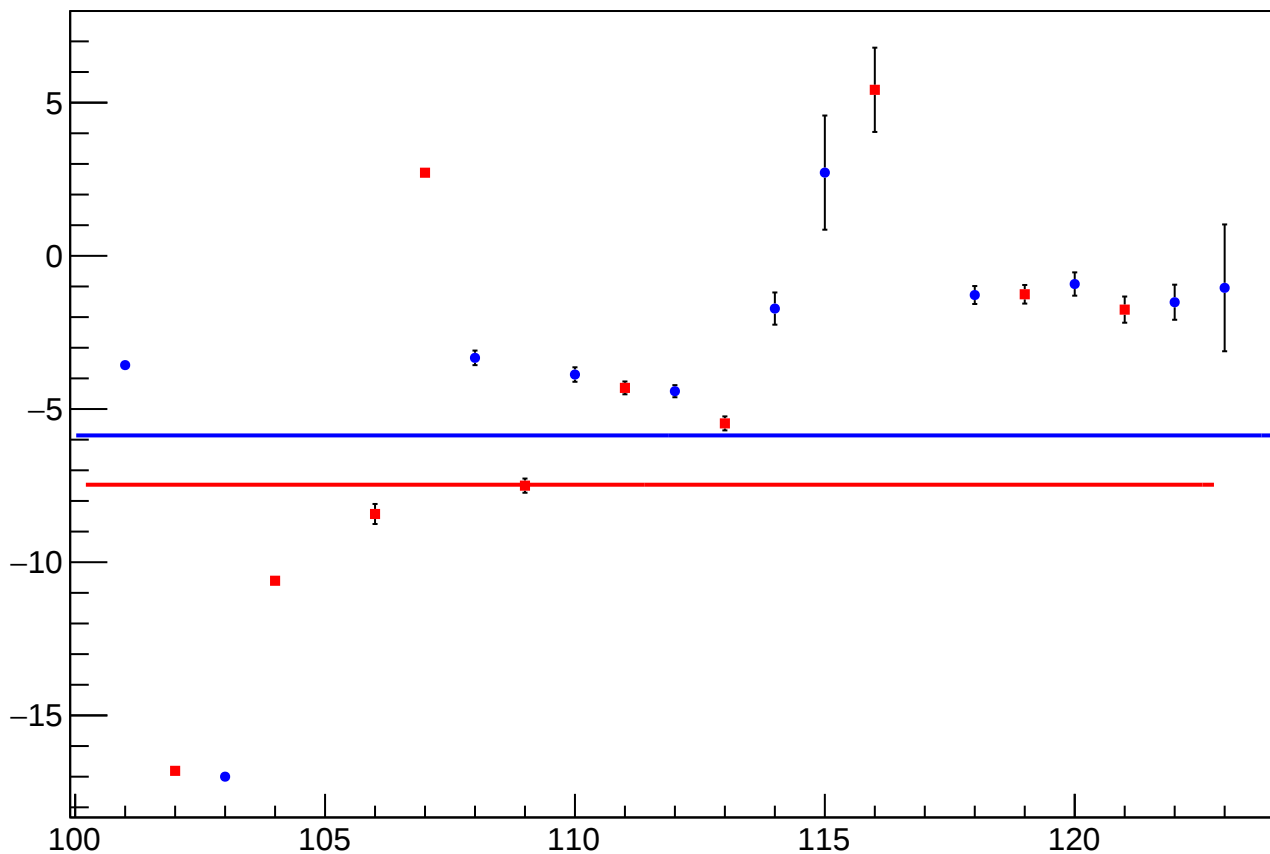
Right: -6.609+/-0.065  $\chi^2/\text{NDF}$ : 1553.1/20

In: -6.344+/-0.090  $\chi^2/\text{NDF}$ : 641.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.609+/-0.065  $\chi^2/\text{NDF}$ : 1553.1/20

reg\_asym\_sam\_15\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-5.862 \pm 0.057$   $\chi^2/\text{NDF}$ : 8466.8/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-7.470 \pm 0.064$   $\chi^2/\text{NDF}$ : 10087.9/9

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

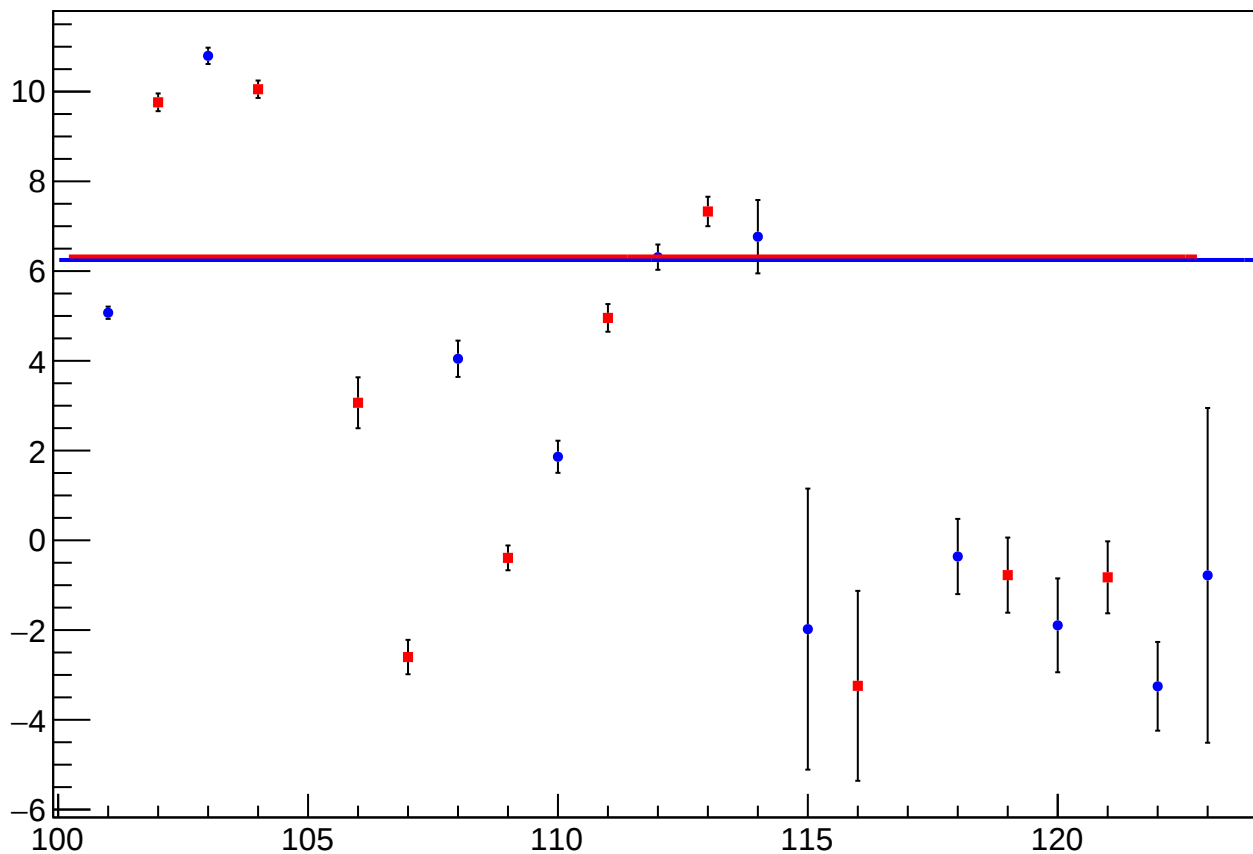
Right:  $-6.574 \pm 0.043$   $\chi^2/\text{NDF}$ : 18904.3/20

In:  $-5.862 \pm 0.057$   $\chi^2/\text{NDF}$ : 8466.8/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-6.574 \pm 0.043$   $\chi^2/\text{NDF}$ : 18904.3/20

reg\_asym\_sam\_15\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.248+/-0.093  $\chi^2/\text{NDF}$ : 1104.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 6.325+/-0.101  $\chi^2/\text{NDF}$ : 2040.3/9

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

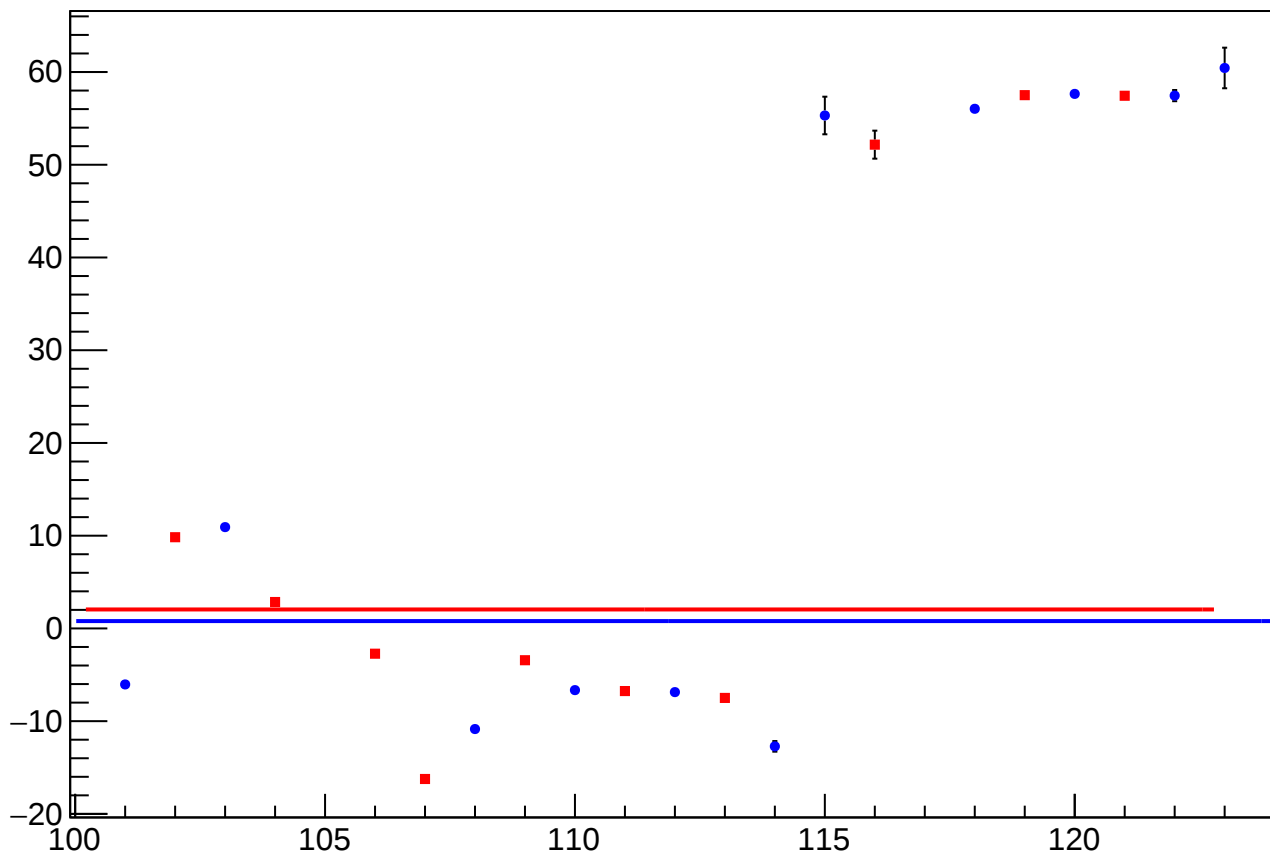
Right: 6.283+/-0.068  $\chi^2/\text{NDF}$ : 3144.8/20

In: 6.248+/-0.093  $\chi^2/\text{NDF}$ : 1104.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.283+/-0.068  $\chi^2/\text{NDF}$ : 3144.8/20

reg\_asym\_sam\_15\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 0.792+/-0.068  $\chi^2/\text{NDF}$ : 57879.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.045+/-0.077  $\chi^2/\text{NDF}$ : 49734.6/9

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

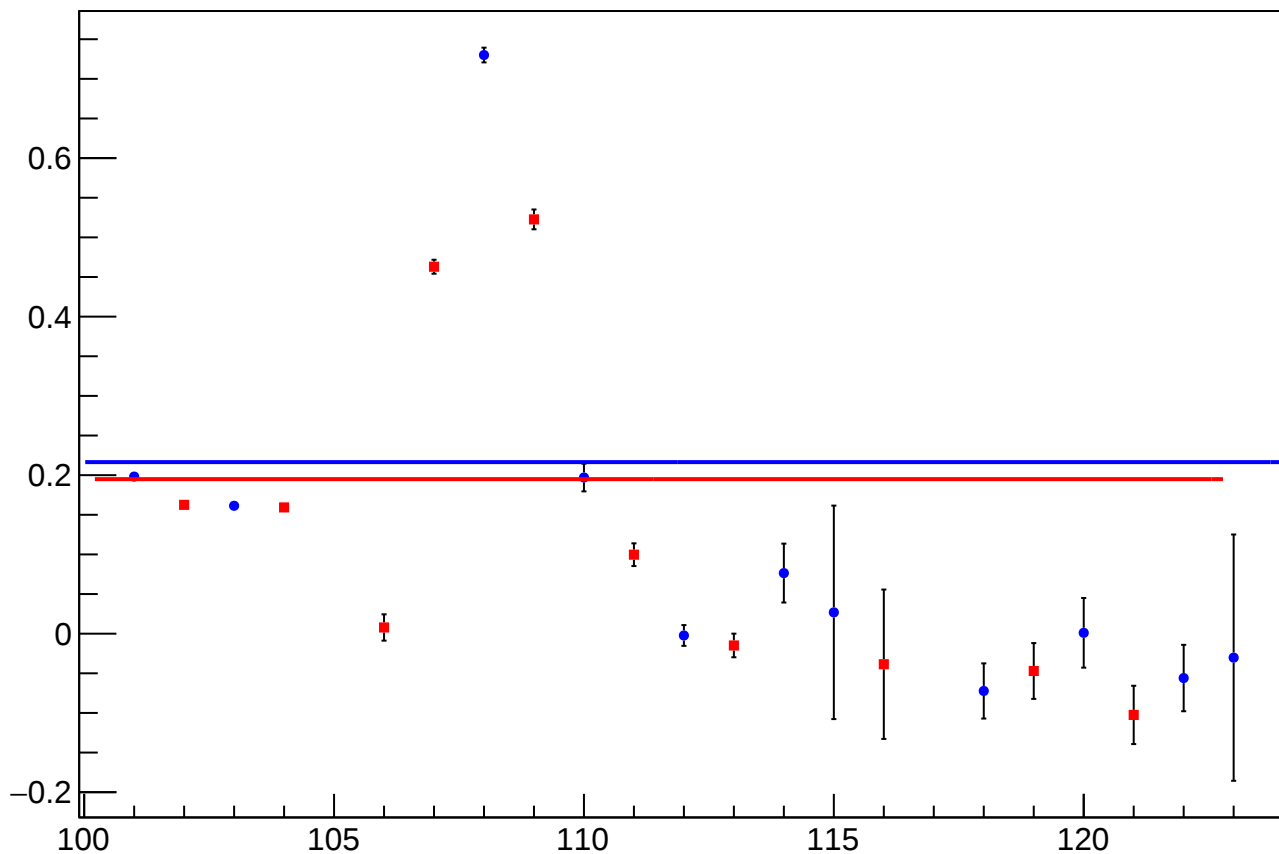
Right: 1.347+/-0.051  $\chi^2/\text{NDF}$ : 107763.3/20

In: 0.792+/-0.068  $\chi^2/\text{NDF}$ : 57879.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.347+/-0.051  $\chi^2/\text{NDF}$ : 107763.3/20

reg\_asym\_sam\_15\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.216+/-0.003  $\chi^2/\text{NDF}$ : 3687.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.195+/-0.003  $\chi^2/\text{NDF}$ : 2204.6/9

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

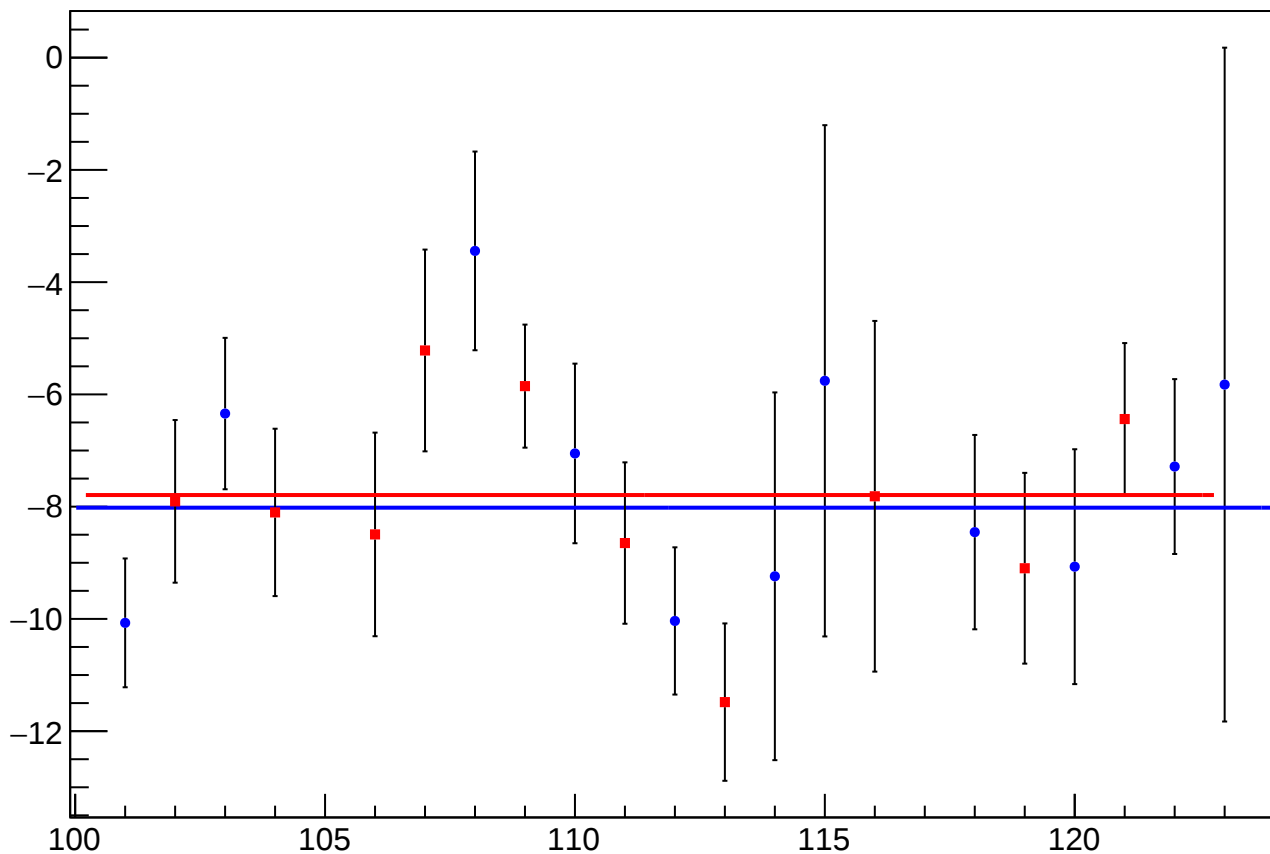
Right: 0.206+/-0.002  $\chi^2/\text{NDF}$ : 5920.4/20

In: 0.216+/-0.003  $\chi^2/\text{NDF}$ : 3687.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.206+/-0.002  $\chi^2/\text{NDF}$ : 5920.4/20

reg\_asym\_sam\_15\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -8.018 $\pm$ 0.517  $\chi^2$ /NDF: 15.2/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -7.793 $\pm$ 0.479  $\chi^2$ /NDF: 14.3/9

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

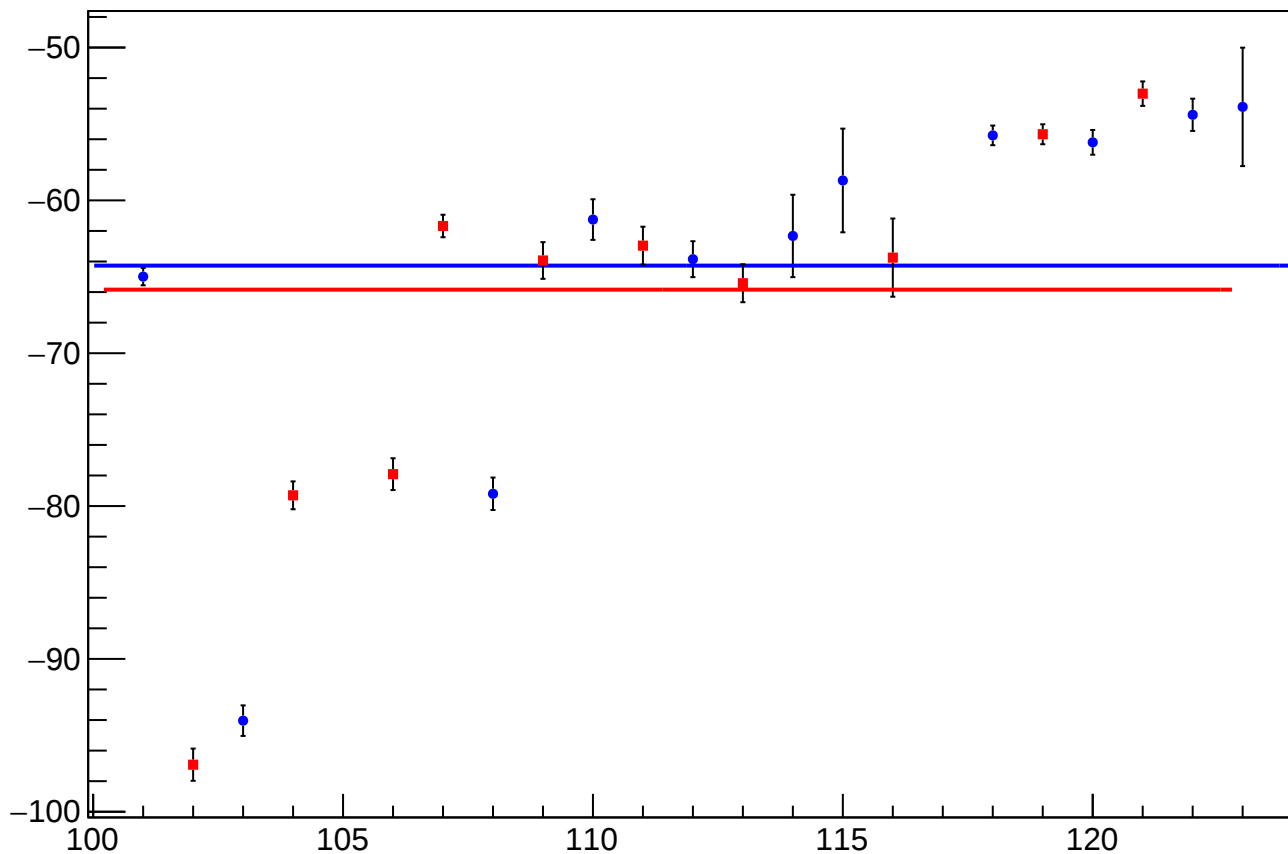
Right: -7.897 $\pm$ 0.351  $\chi^2$ /NDF: 29.6/20

In: -8.018 $\pm$ 0.517  $\chi^2$ /NDF:15.2/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -7.897 $\pm$ 0.351  $\chi^2$ /NDF: 29.6/20

reg\_asym\_sam\_15\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -64.269+/-0.296  $\chi^2/\text{NDF}$ : 1463.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -65.841+/-0.303  $\chi^2/\text{NDF}$ : 1762.4/9

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

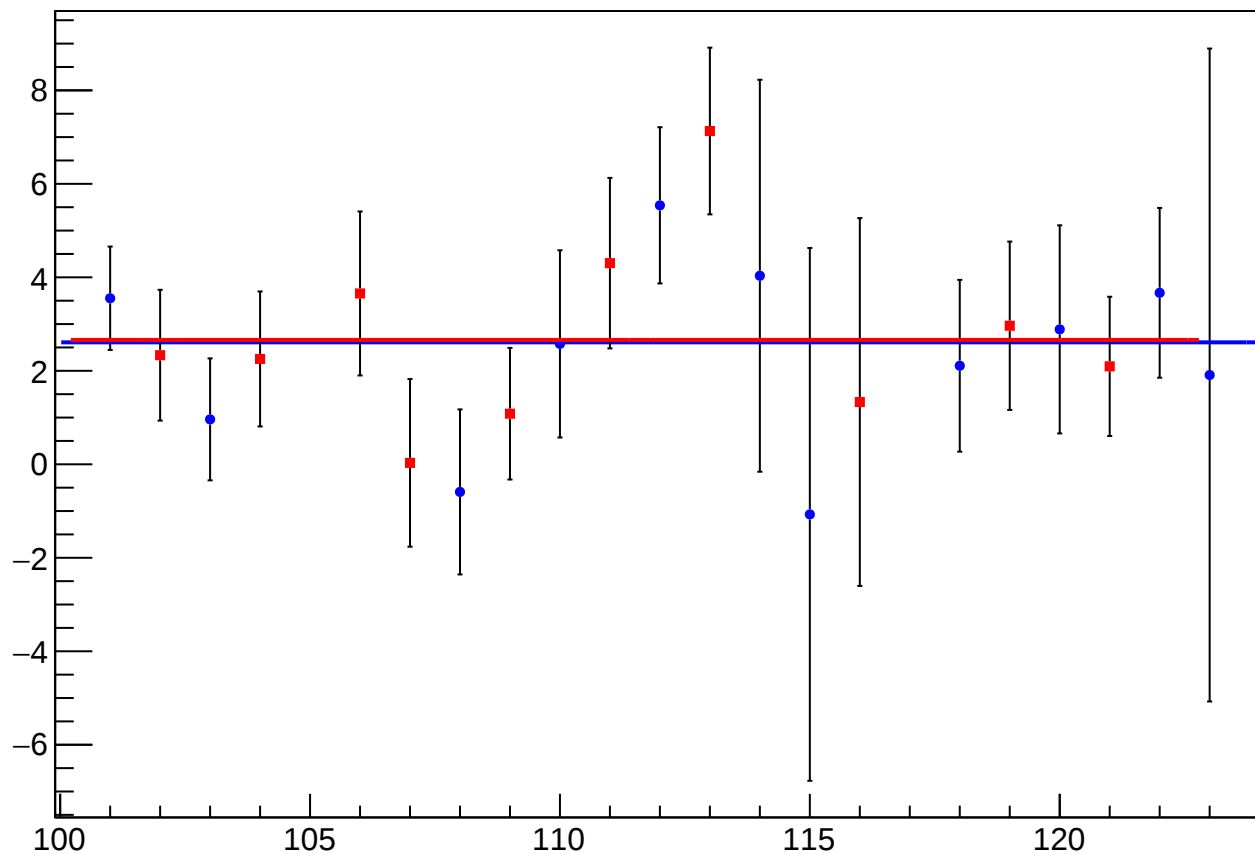
Right: -65.038+/-0.212  $\chi^2/\text{NDF}$ : 3239.9/20

In: -64.269+/-0.296  $\chi^2/\text{NDF}$ : 1463.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -65.038+/-0.212  $\chi^2/\text{NDF}$ : 3239.9/20

reg\_asym\_sam\_15\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 2.609 $\pm$ 0.555  $\chi^2$ /NDF: 9.7/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.661 $\pm$ 0.529  $\chi^2$ /NDF: 11.2/9

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

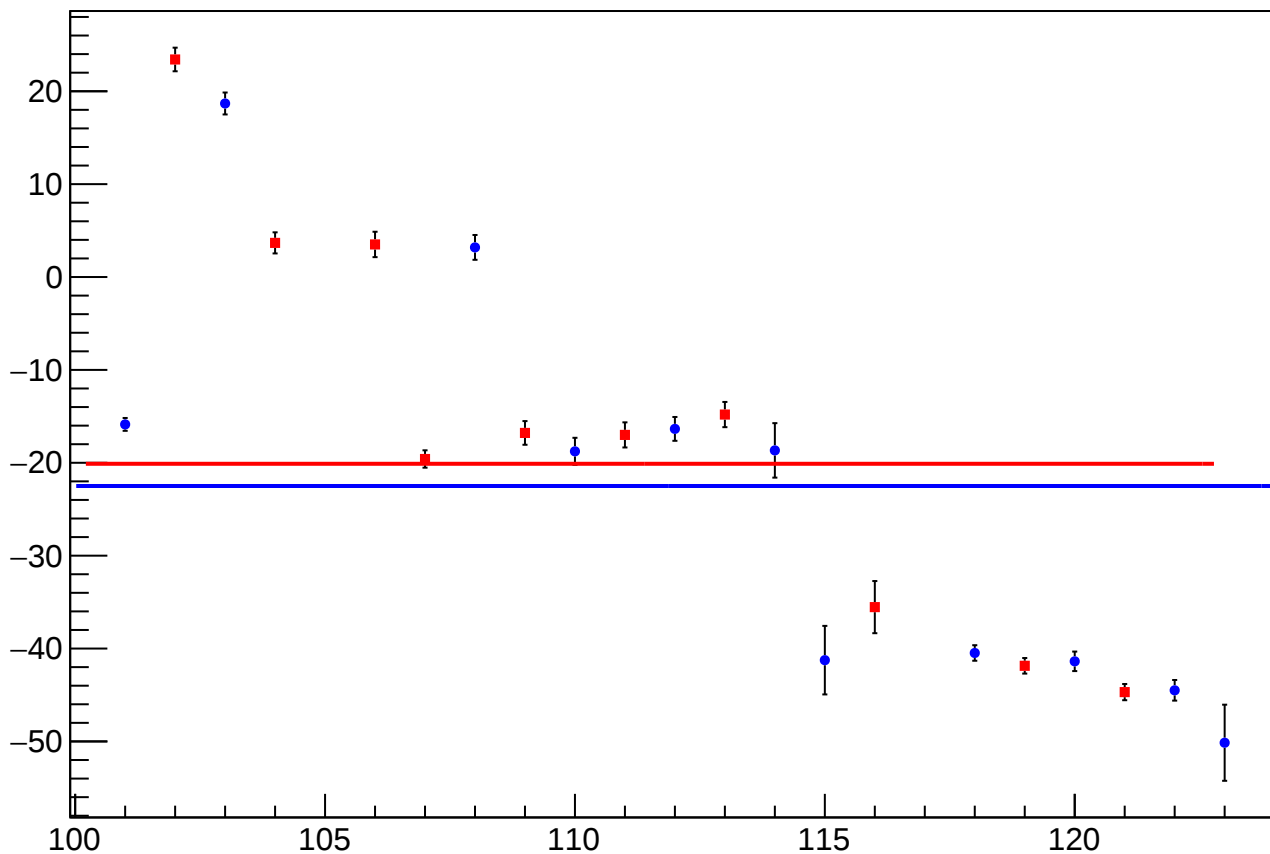
Right: 2.636 $\pm$ 0.383  $\chi^2$ /NDF: 20.9/20

In: 2.609 $\pm$ 0.555  $\chi^2$ /NDF:9.7/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 2.636 $\pm$ 0.383  $\chi^2$ /NDF: 20.9/20

reg\_asym\_sam\_15\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -22.499+/-0.357  $\chi^2/\text{NDF}$ : 2958.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -20.107+/-0.362  $\chi^2/\text{NDF}$ : 3436.7/9

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

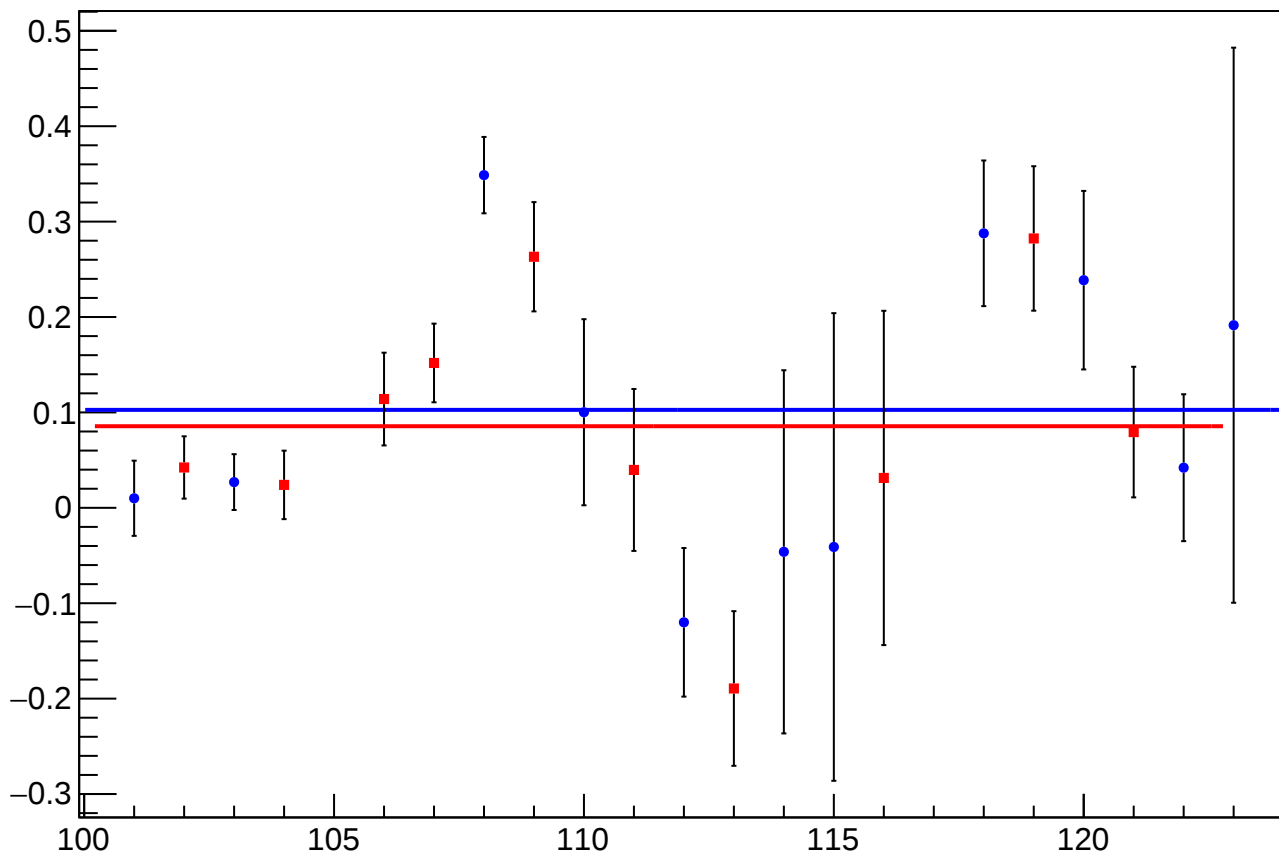
Right: -21.318+/-0.254  $\chi^2/\text{NDF}$ : 6417.5/20

In: -22.499+/-0.357  $\chi^2/\text{NDF}$ : 2958.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -21.318+/-0.254  $\chi^2/\text{NDF}$ : 6417.5/20

reg\_asym\_sam\_15\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.103 $\pm$ 0.018  $\chi^2$ /NDF: 67.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.086 $\pm$ 0.016  $\chi^2$ /NDF: 35.9/9

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

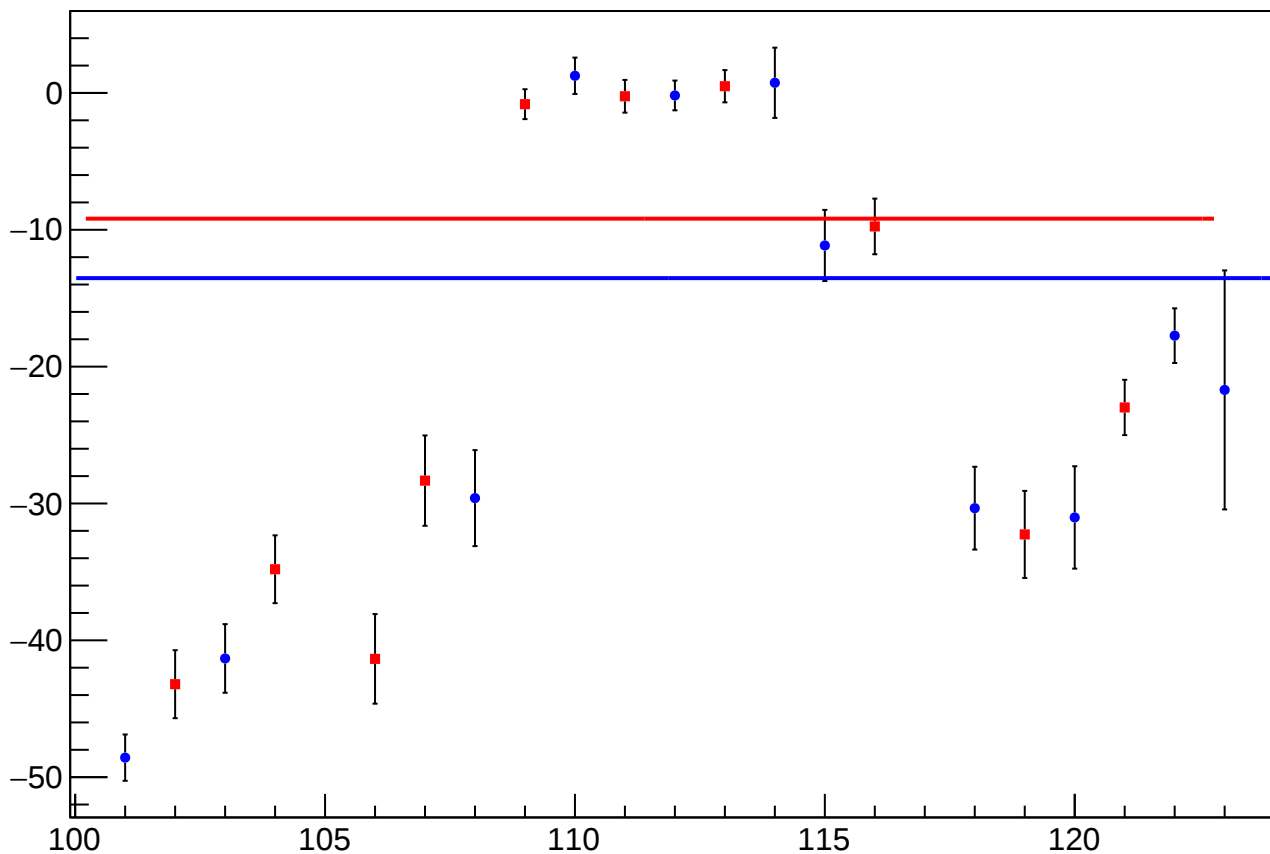
Right: 0.093 $\pm$ 0.012  $\chi^2$ /NDF: 104.3/20

In: 0.103 $\pm$ 0.018  $\chi^2$ /NDF:67.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.093 $\pm$ 0.012  $\chi^2$ /NDF: 104.3/20

reg\_asym\_sam\_37\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -13.532 $\pm$ 0.603  $\chi^2$ /NDF: 936.7/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -9.186 $\pm$ 0.546  $\chi^2$ /NDF: 705.8/9

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

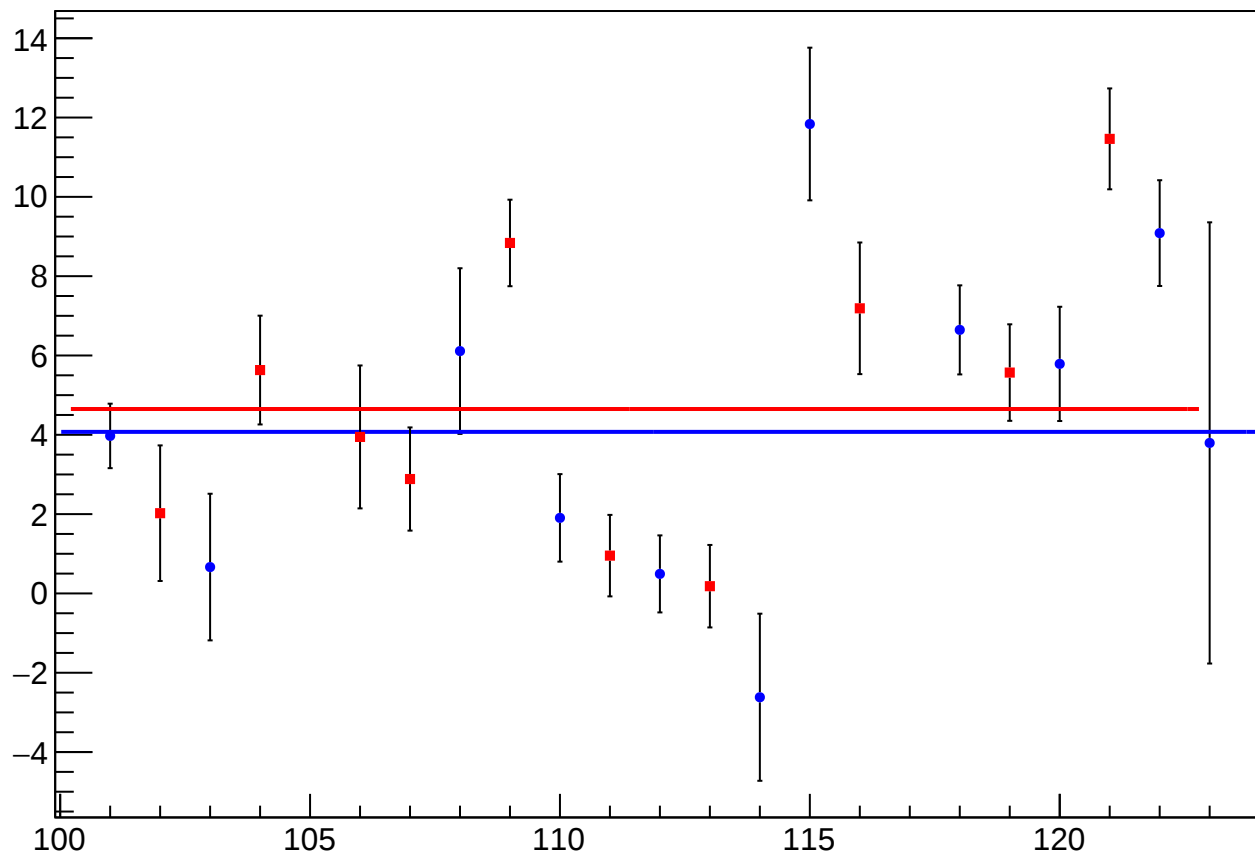
Right: -11.143 $\pm$ 0.405  $\chi^2$ /NDF: 1671.1/20

In: -13.532 $\pm$ 0.603  $\chi^2$ /NDF: 936.7/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -11.143 $\pm$ 0.405  $\chi^2$ /NDF: 1671.1/20

reg\_asym\_sam\_37\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 4.074 $\pm$ 0.399  $\chi^2$ /NDF: 69.0/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 4.650 $\pm$ 0.404  $\chi^2$ /NDF: 82.6/9

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

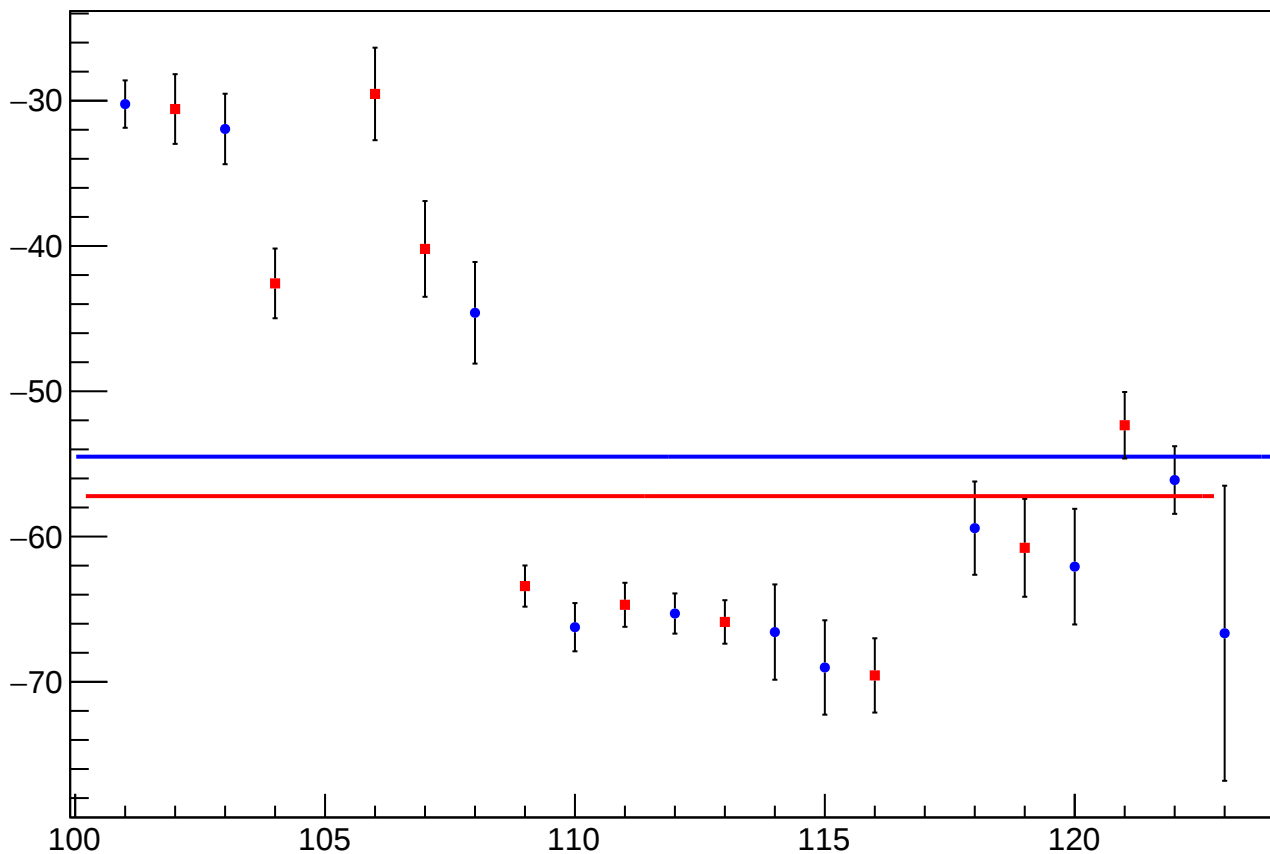
Right: 4.359 $\pm$ 0.284  $\chi^2$ /NDF: 152.6/20

In: 4.074 $\pm$ 0.399  $\chi^2$ /NDF:69.0/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 4.359 $\pm$ 0.284  $\chi^2$ /NDF: 152.6/20

reg\_asym\_sam\_37\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -54.501 $\pm$ 0.698  $\chi^2$ /NDF: 468.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -57.217 $\pm$ 0.652  $\chi^2$ /NDF: 368.7/9

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

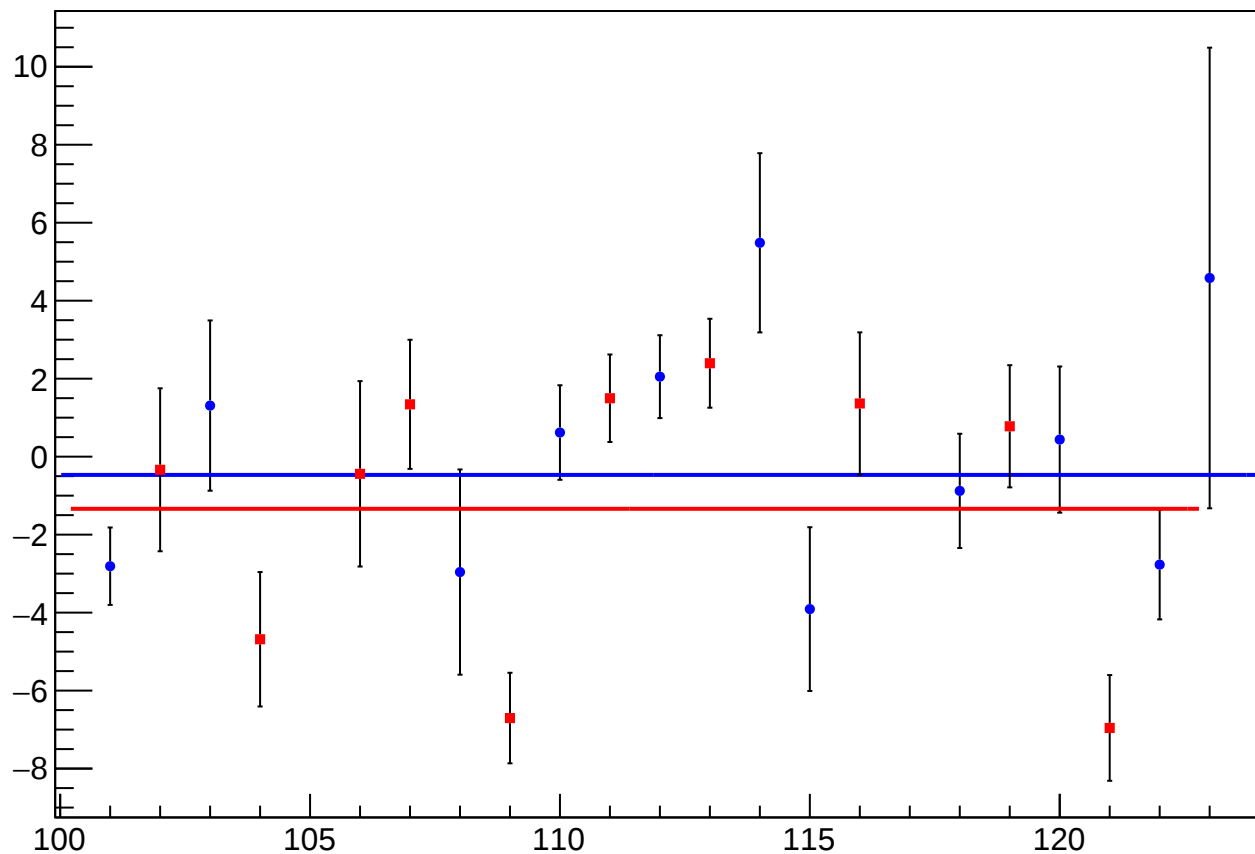
Right: -55.950 $\pm$ 0.476  $\chi^2$ /NDF: 844.9/20

In: -54.501 $\pm$ 0.698  $\chi^2$ /NDF:468.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -55.950 $\pm$ 0.476  $\chi^2$ /NDF: 844.9/20

reg\_asym\_sam\_37\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-0.468 \pm 0.464$   $\chi^2/\text{NDF}$ : 26.7/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.337 \pm 0.463$   $\chi^2/\text{NDF}$ : 66.4/9

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

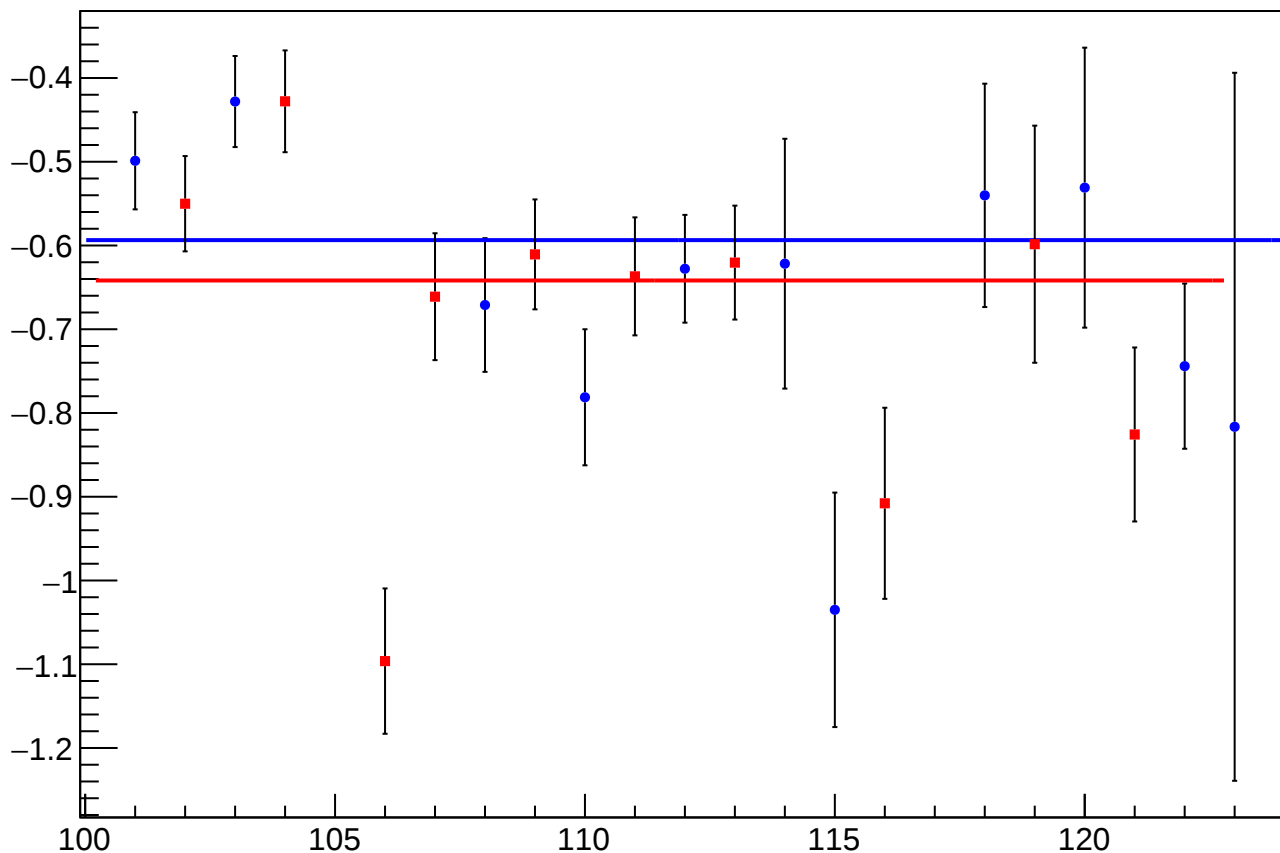
Right:  $-0.904 \pm 0.328$   $\chi^2/\text{NDF}$ : 94.9/20

In:  $-0.468 \pm 0.464$   $\chi^2/\text{NDF}$ : 26.7/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.904 \pm 0.328$   $\chi^2/\text{NDF}$ : 94.9/20

reg\_asym\_sam\_37\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.594 \pm 0.026$   $\chi^2/\text{NDF}$ : 31.4/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.642 \pm 0.024$   $\chi^2/\text{NDF}$ : 51.5/9

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

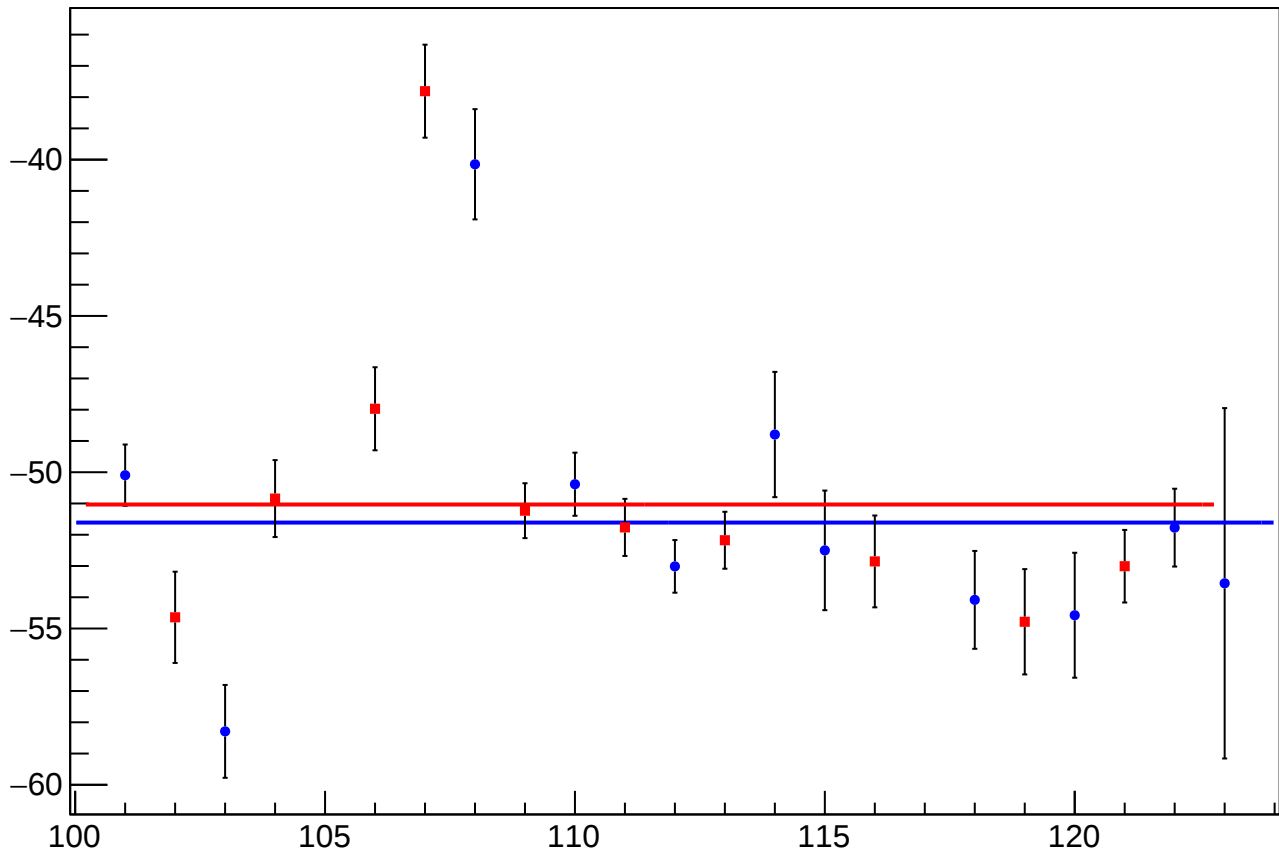
Right:  $-0.620 \pm 0.018$   $\chi^2/\text{NDF}$ : 84.7/20

In:  $-0.594 \pm 0.026$   $\chi^2/\text{NDF}$ : 31.4/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.620 \pm 0.018$   $\chi^2/\text{NDF}$ : 84.7/20

reg\_asym\_sam\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -51.611 $\pm$ 0.406  $\chi^2$ /NDF: 76.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -51.033 $\pm$ 0.367  $\chi^2$ /NDF: 102.1/9

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

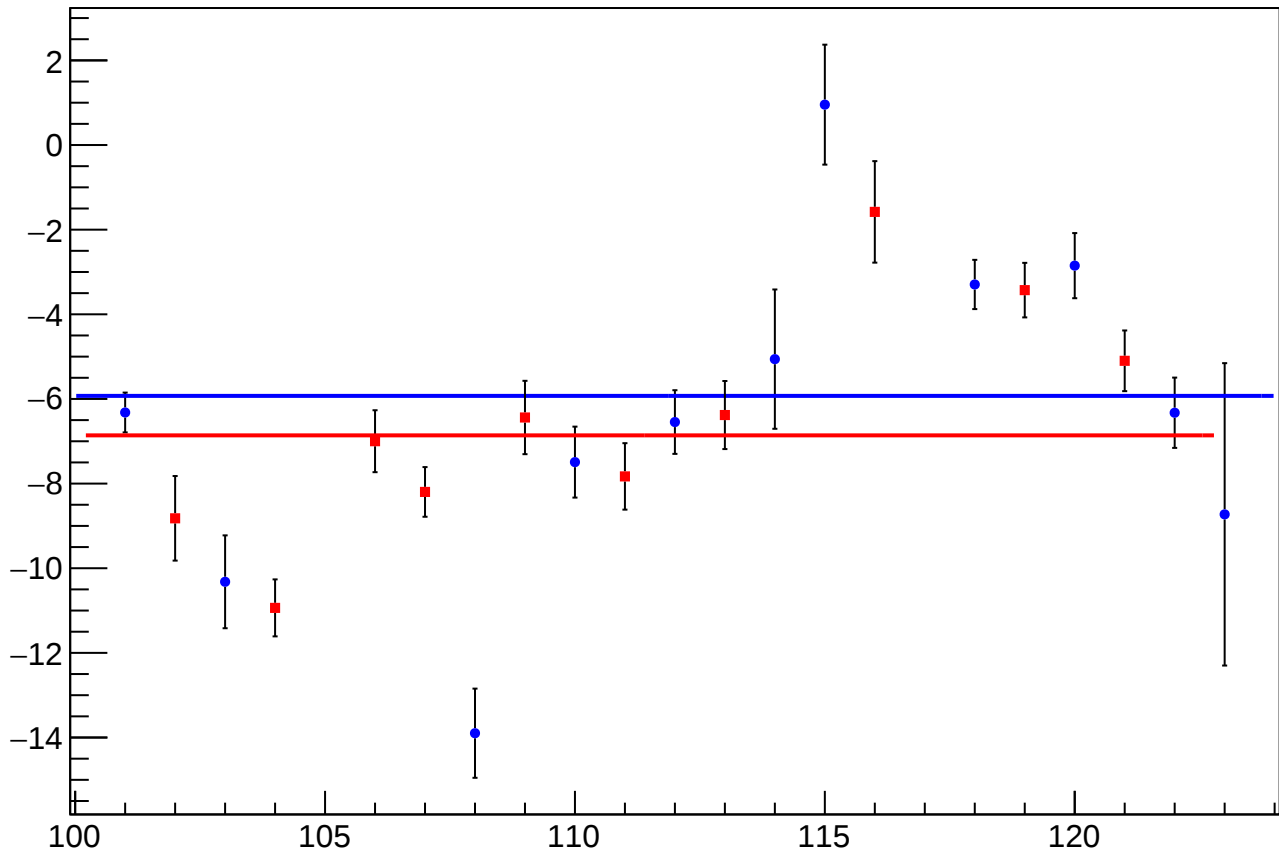
Right: -51.293 $\pm$ 0.272  $\chi^2$ /NDF: 179.4/20

In: -51.611 $\pm$ 0.406  $\chi^2$ /NDF: 76.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -51.293 $\pm$ 0.272  $\chi^2$ /NDF: 179.4/20

reg\_asym\_sam\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -5.927+/-0.246  $\chi^2/\text{NDF}$ : 139.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.860+/-0.239  $\chi^2/\text{NDF}$ : 101.6/9

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

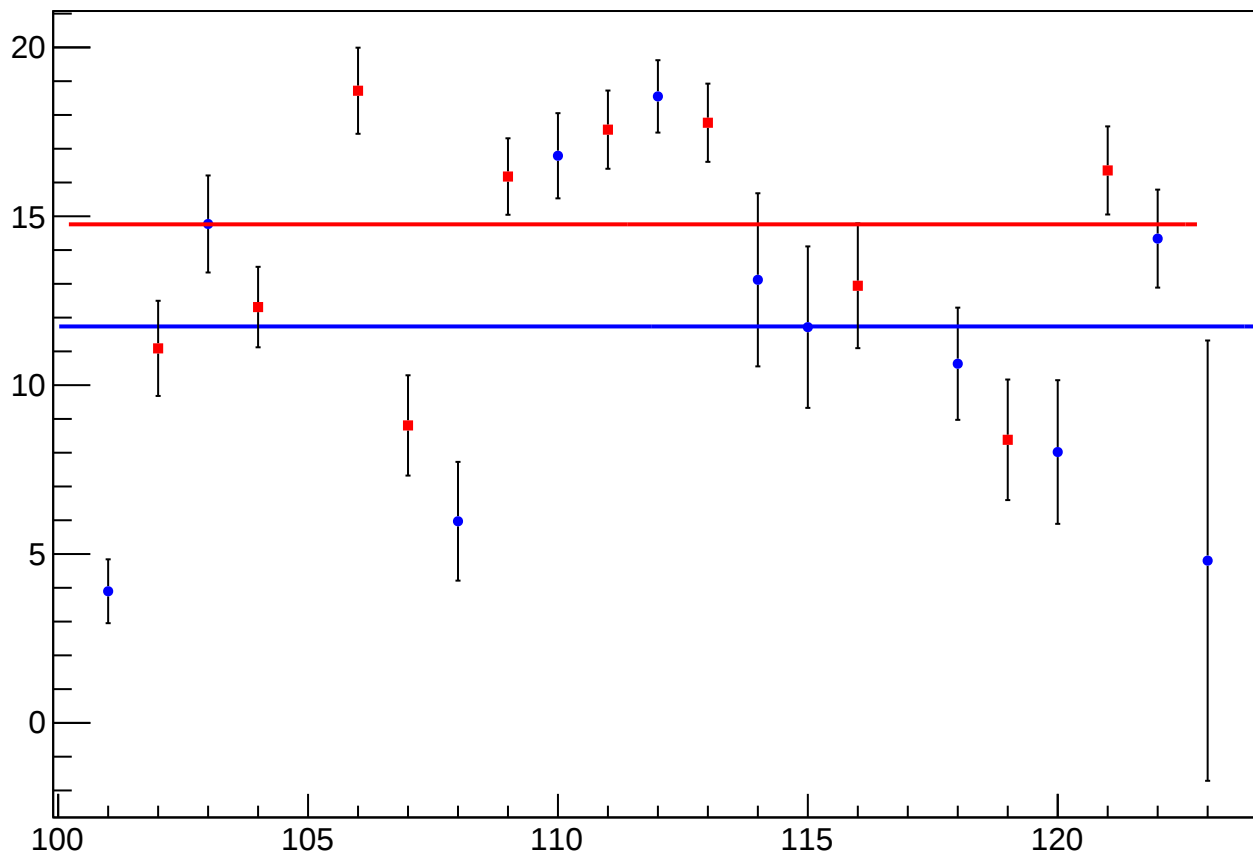
Right: -6.408+/-0.171  $\chi^2/\text{NDF}$ : 248.3/20

In: -5.927+/-0.246  $\chi^2/\text{NDF}$ : 139.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -6.408+/-0.171  $\chi^2/\text{NDF}$ : 248.3/20

reg\_asym\_sam\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 11.738+/-0.455  $\chi^2/\text{NDF}$ : 148.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.761+/-0.417  $\chi^2/\text{NDF}$ : 66.1/9

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

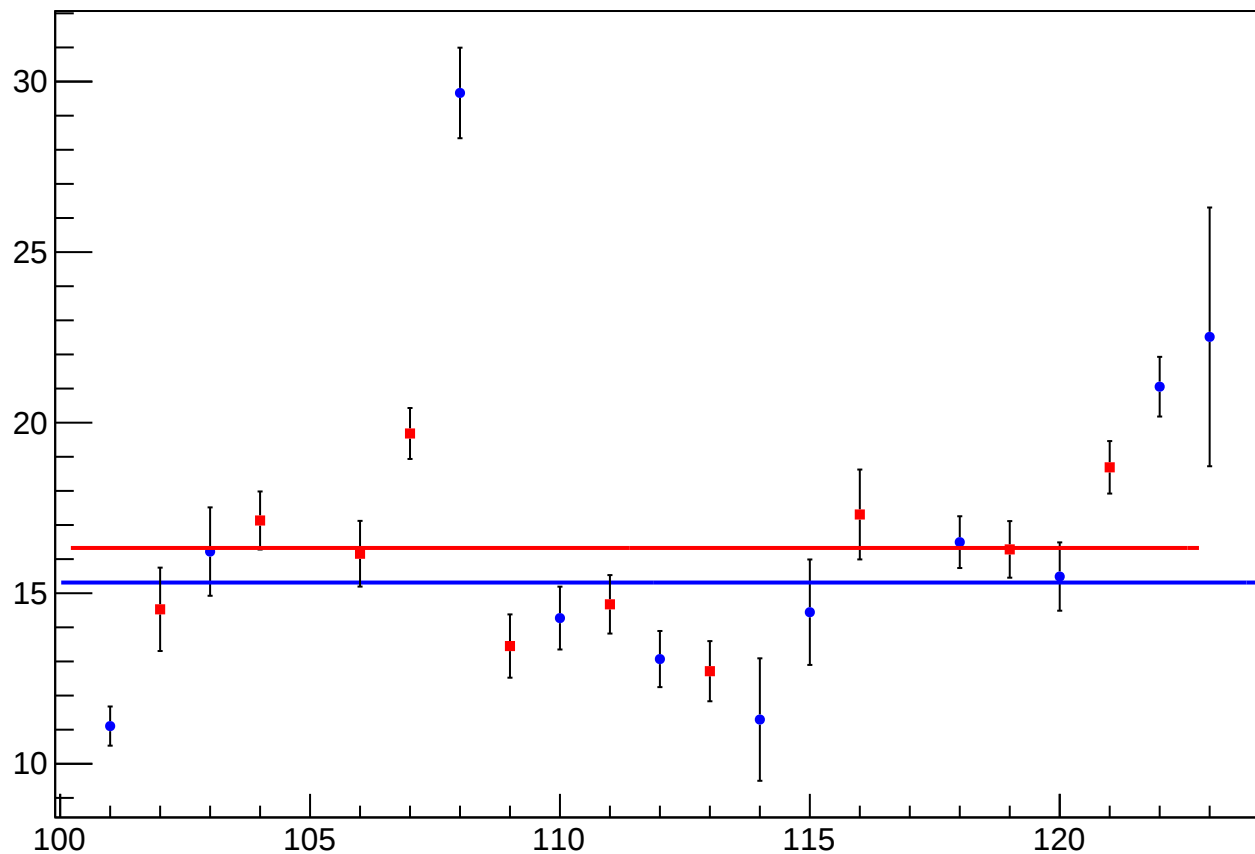
Right: 13.380+/-0.307  $\chi^2/\text{NDF}$ : 238.7/20

In: 11.738+/-0.455  $\chi^2/\text{NDF}$ : 148.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 13.380+/-0.307  $\chi^2/\text{NDF}$ : 238.7/20

reg\_asym\_sam\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 15.313+/-0.292  $\chi^2/\text{NDF}$ : 234.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 16.327+/-0.283  $\chi^2/\text{NDF}$ : 63.4/9

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

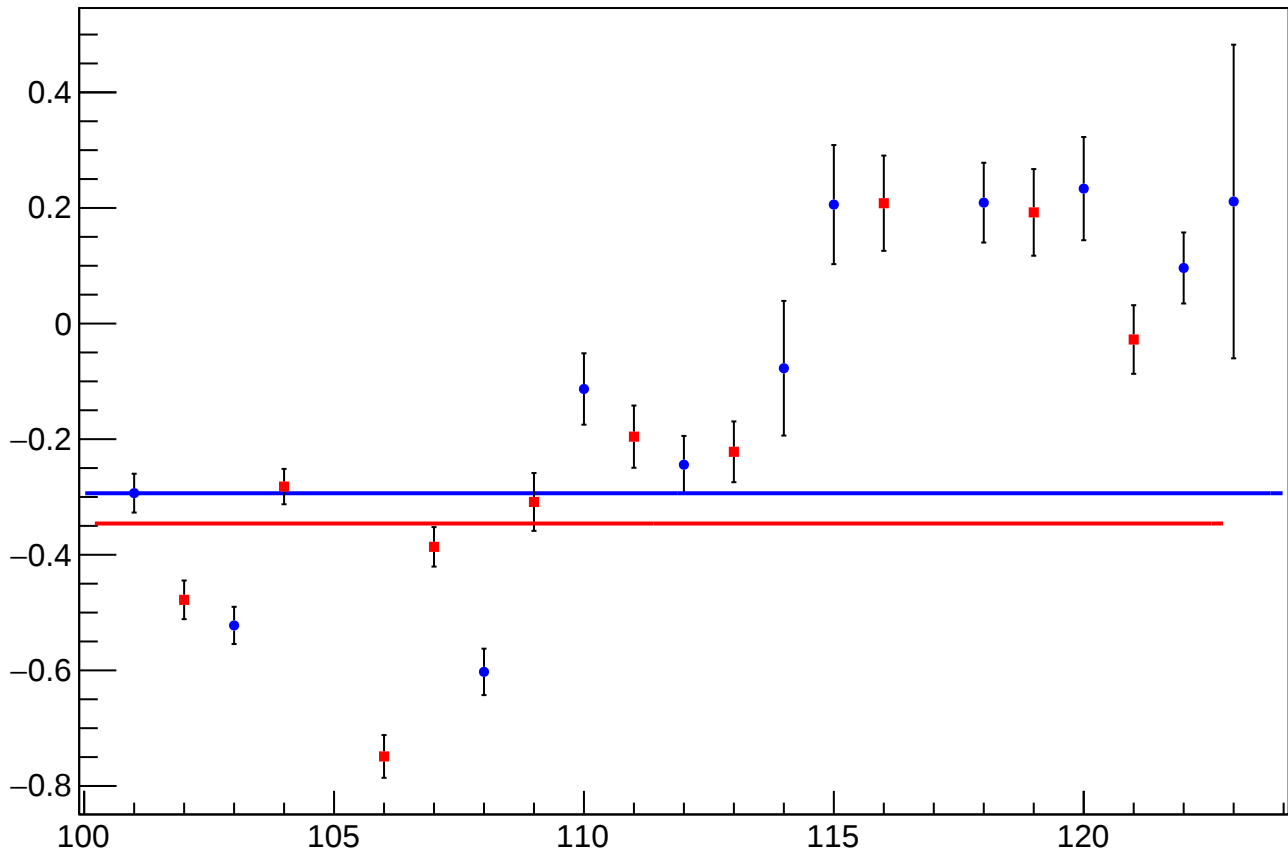
Right: 15.836+/-0.204  $\chi^2/\text{NDF}$ : 303.9/20

In: 15.313+/-0.292  $\chi^2/\text{NDF}$ : 234.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 15.836+/-0.204  $\chi^2/\text{NDF}$ : 303.9/20

reg\_asym\_sam\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.294 \pm 0.016$   $\chi^2/\text{NDF}$ : 277.6/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.346 \pm 0.014$   $\chi^2/\text{NDF}$ : 279.6/9

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

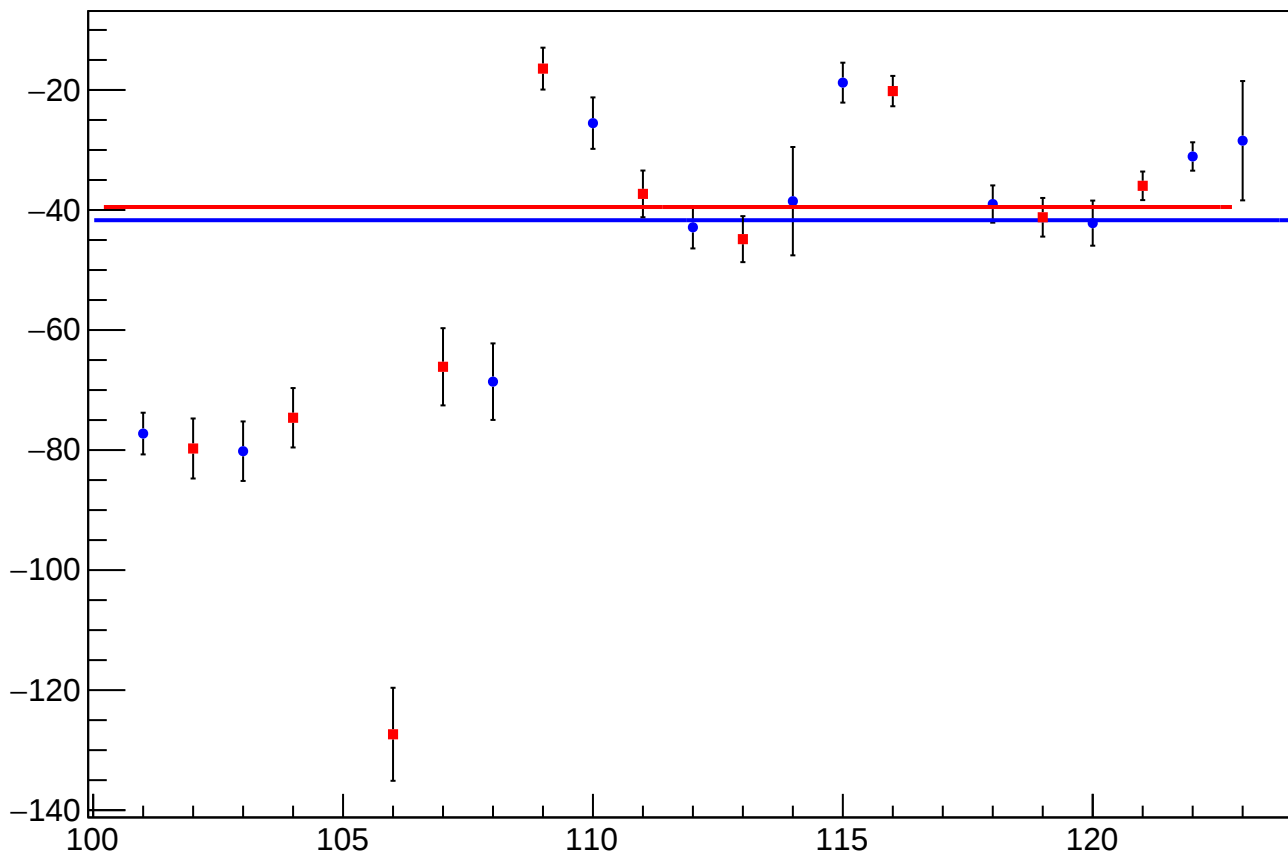
Right:  $-0.324 \pm 0.010$   $\chi^2/\text{NDF}$ : 563.4/20

In:  $-0.294 \pm 0.016$   $\chi^2/\text{NDF}$ : 277.6/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.324 \pm 0.010$   $\chi^2/\text{NDF}$ : 563.4/20

reg\_asym\_sam\_26\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-41.701 \pm 1.155$   $\chi^2/\text{NDF}$ : 267.5/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-39.500 \pm 1.142$   $\chi^2/\text{NDF}$ : 367.5/9

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

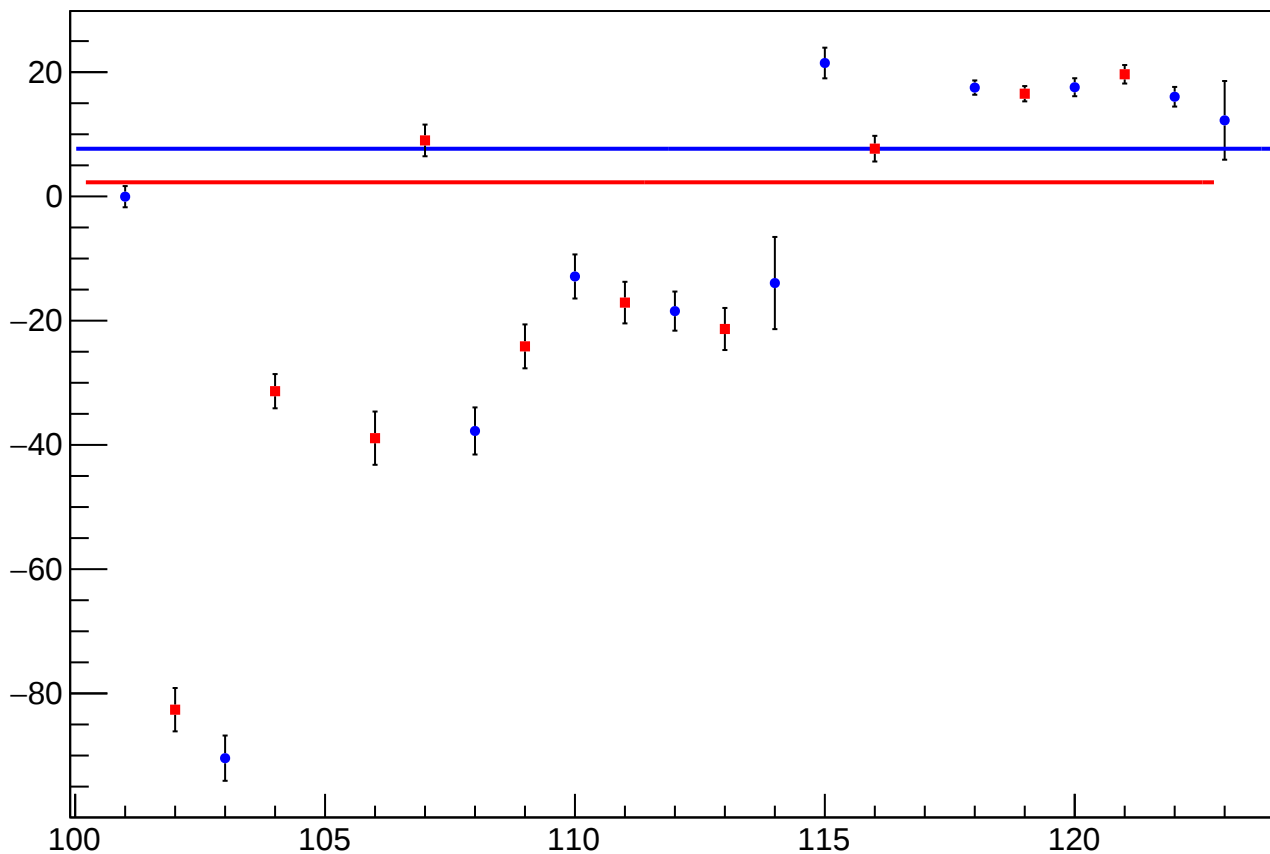
Right:  $-40.588 \pm 0.812$   $\chi^2/\text{NDF}$ : 636.8/20

In:  $-41.701 \pm 1.155$   $\chi^2/\text{NDF}$ : 267.5/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-40.588 \pm 0.812$   $\chi^2/\text{NDF}$ : 636.8/20

reg\_asym\_sam\_26\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.672+/-0.632  $\chi^2/\text{NDF}$ : 1179.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.271+/-0.703  $\chi^2/\text{NDF}$ : 1254.9/9

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

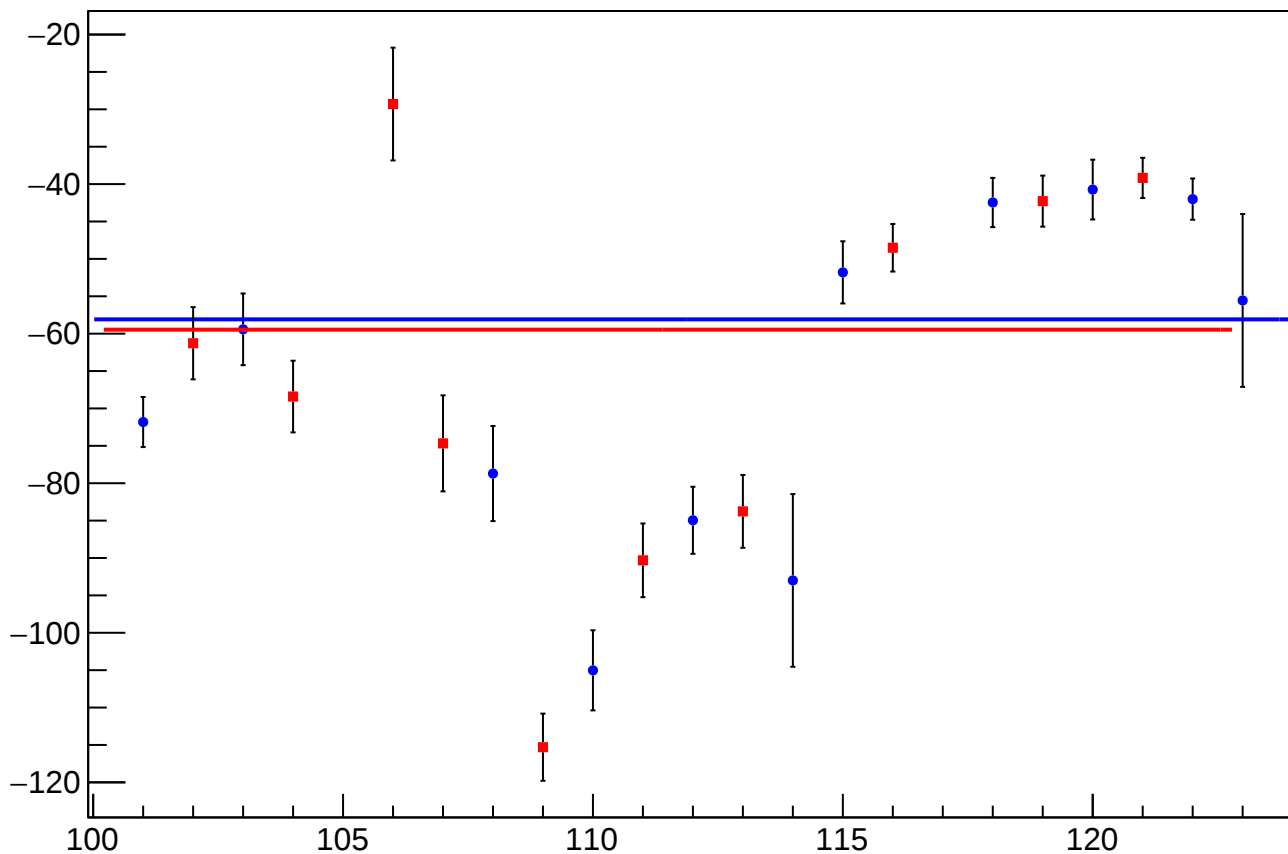
Right: 5.261+/-0.470  $\chi^2/\text{NDF}$ : 2467.5/20

In: 7.672+/-0.632  $\chi^2/\text{NDF}$ : 1179.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.261+/-0.470  $\chi^2/\text{NDF}$ : 2467.5/20

reg\_asym\_sam\_26\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -58.089+/-1.290  $\chi^2/\text{NDF}$ : 226.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -59.466+/-1.308  $\chi^2/\text{NDF}$ : 338.1/9

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

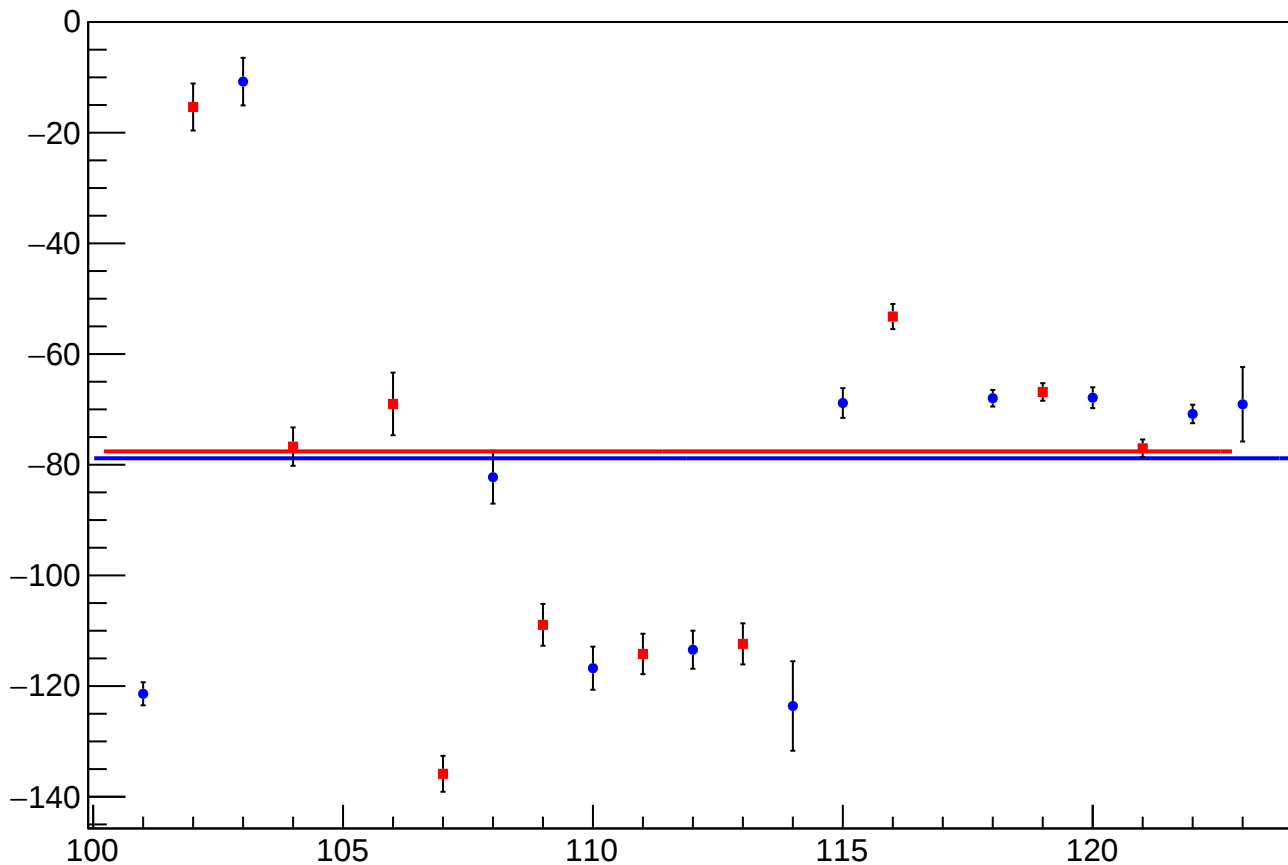
Right: -58.767+/-0.918  $\chi^2/\text{NDF}$ : 565.6/20

In: -58.089+/-1.290  $\chi^2/\text{NDF}$ : 226.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -58.767+/-0.918  $\chi^2/\text{NDF}$ : 565.6/20

reg\_asym\_sam\_26\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -78.835 $\pm$ 0.758  $\chi^2$ /NDF: 1019.3/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -77.589 $\pm$ 0.825  $\chi^2$ /NDF: 957.6/9

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

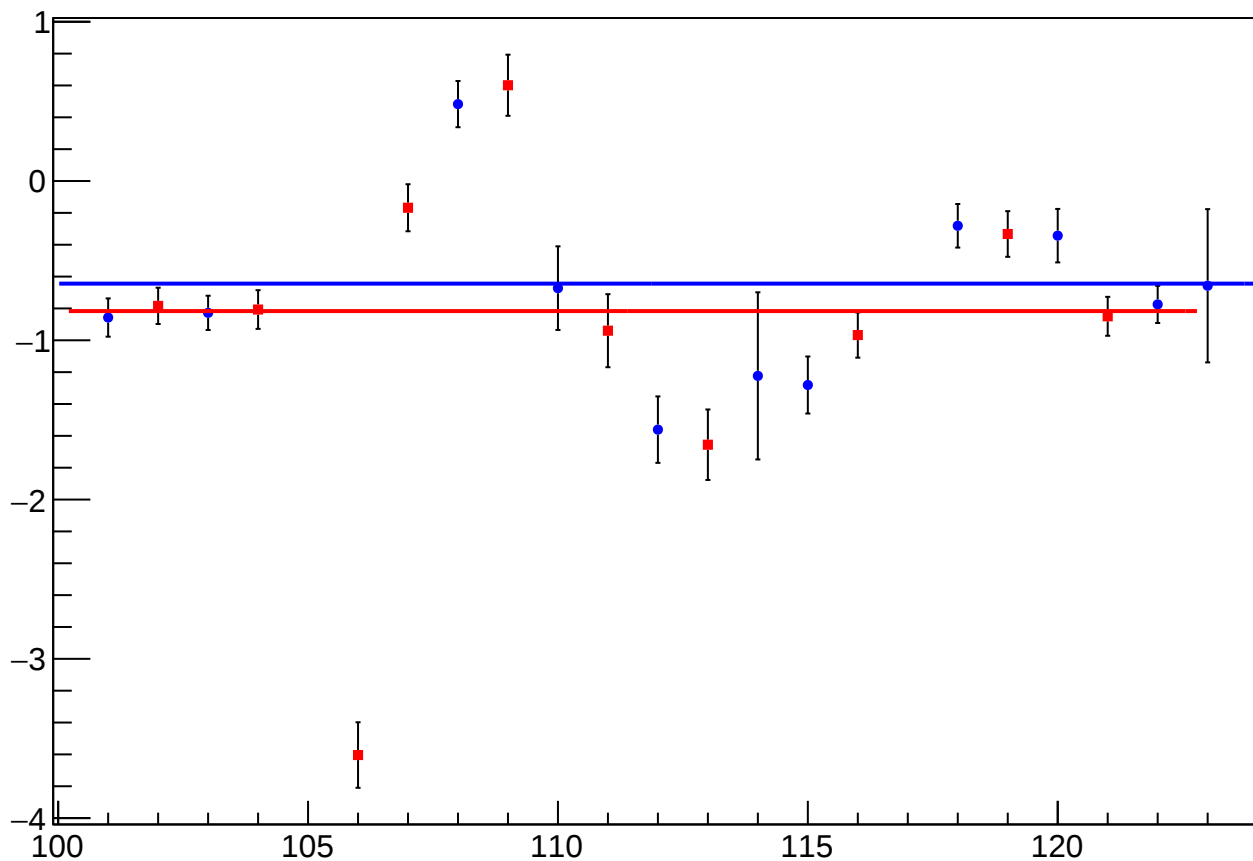
Right: -78.265 $\pm$ 0.558  $\chi^2$ /NDF: 1978.1/20

In: -78.835 $\pm$ 0.758  $\chi^2$ /NDF:1019.3/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -78.265 $\pm$ 0.558  $\chi^2$ /NDF: 1978.1/20

reg\_asym\_sam\_26\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.644 \pm 0.048$   $\chi^2/\text{NDF}$ : 111.1/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.817 \pm 0.047$   $\chi^2/\text{NDF}$ : 284.8/9

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

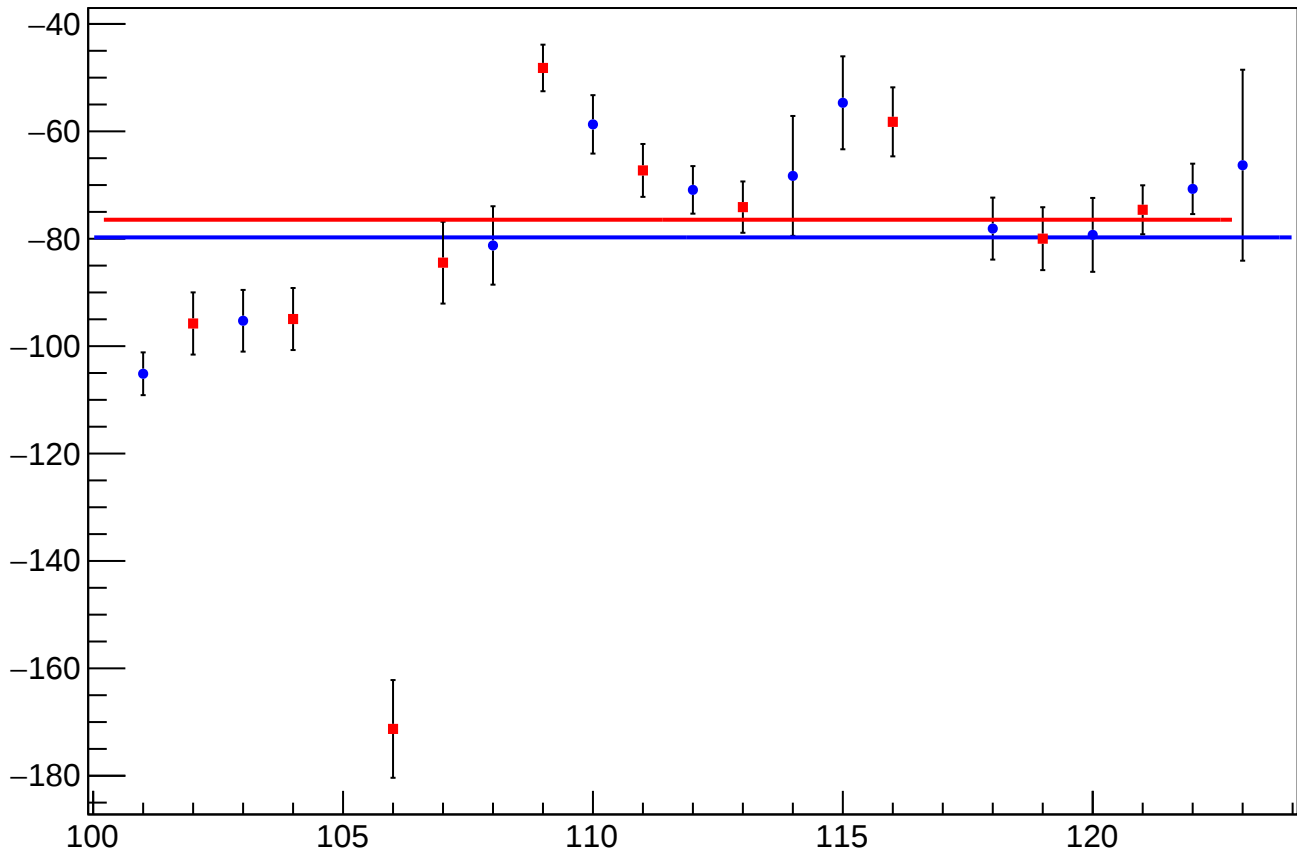
Right:  $-0.731 \pm 0.034$   $\chi^2/\text{NDF}$ : 402.5/20

In:  $-0.644 \pm 0.048$   $\chi^2/\text{NDF}$ : 111.1/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.731 \pm 0.034$   $\chi^2/\text{NDF}$ : 402.5/20

reg\_asym\_sam\_26\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -79.746 $\pm$ 1.774  $\chi^2$ /NDF: 80.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -76.459 $\pm$ 1.744  $\chi^2$ /NDF: 185.8/9

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

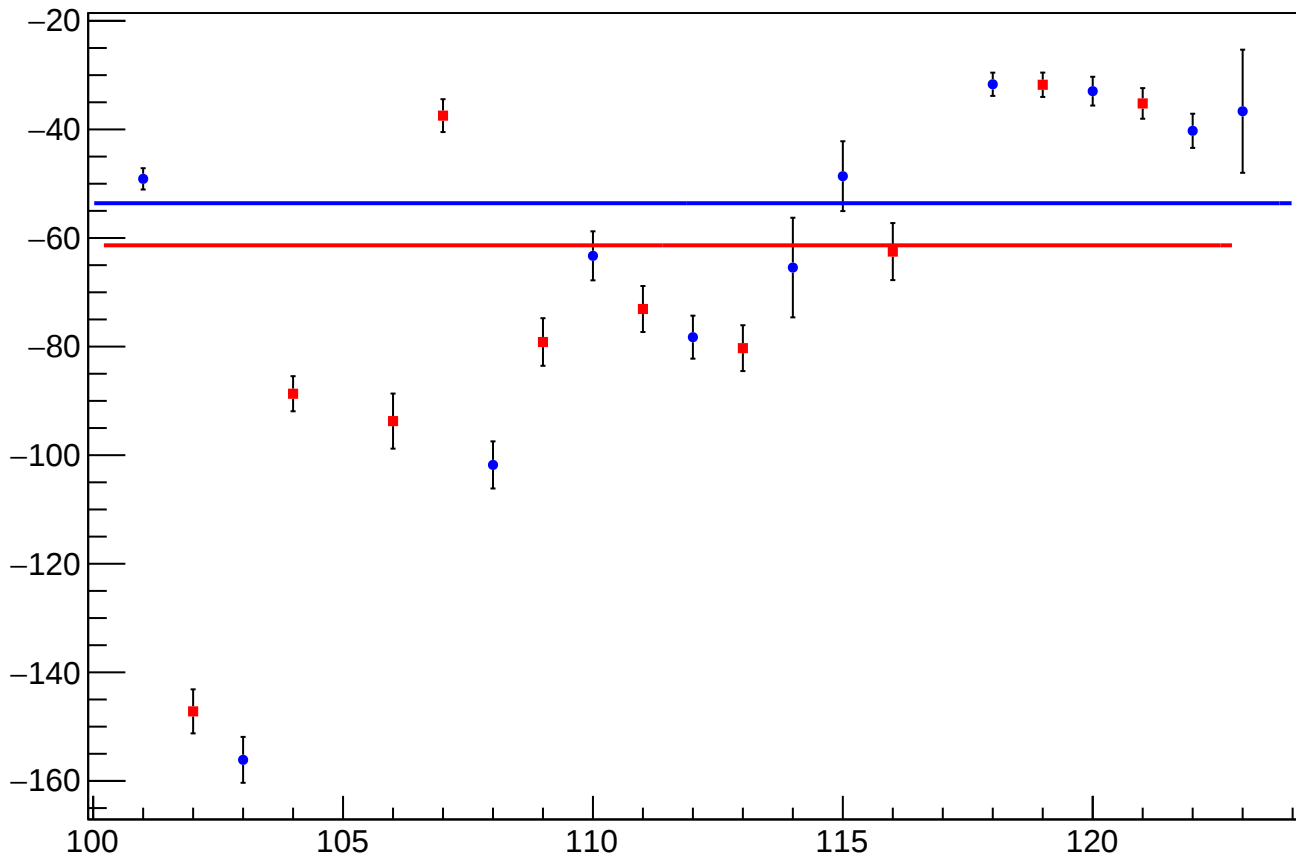
Right: -78.075 $\pm$ 1.244  $\chi^2$ /NDF: 268.3/20

In: -79.746 $\pm$ 1.774  $\chi^2$ /NDF:80.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -78.075 $\pm$ 1.244  $\chi^2$ /NDF: 268.3/20

reg\_asym\_sam\_26\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-53.591 \pm 1.006$   $\chi^2/\text{NDF}$ : 948.0/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-61.346 \pm 1.098$   $\chi^2/\text{NDF}$ : 926.7/9

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

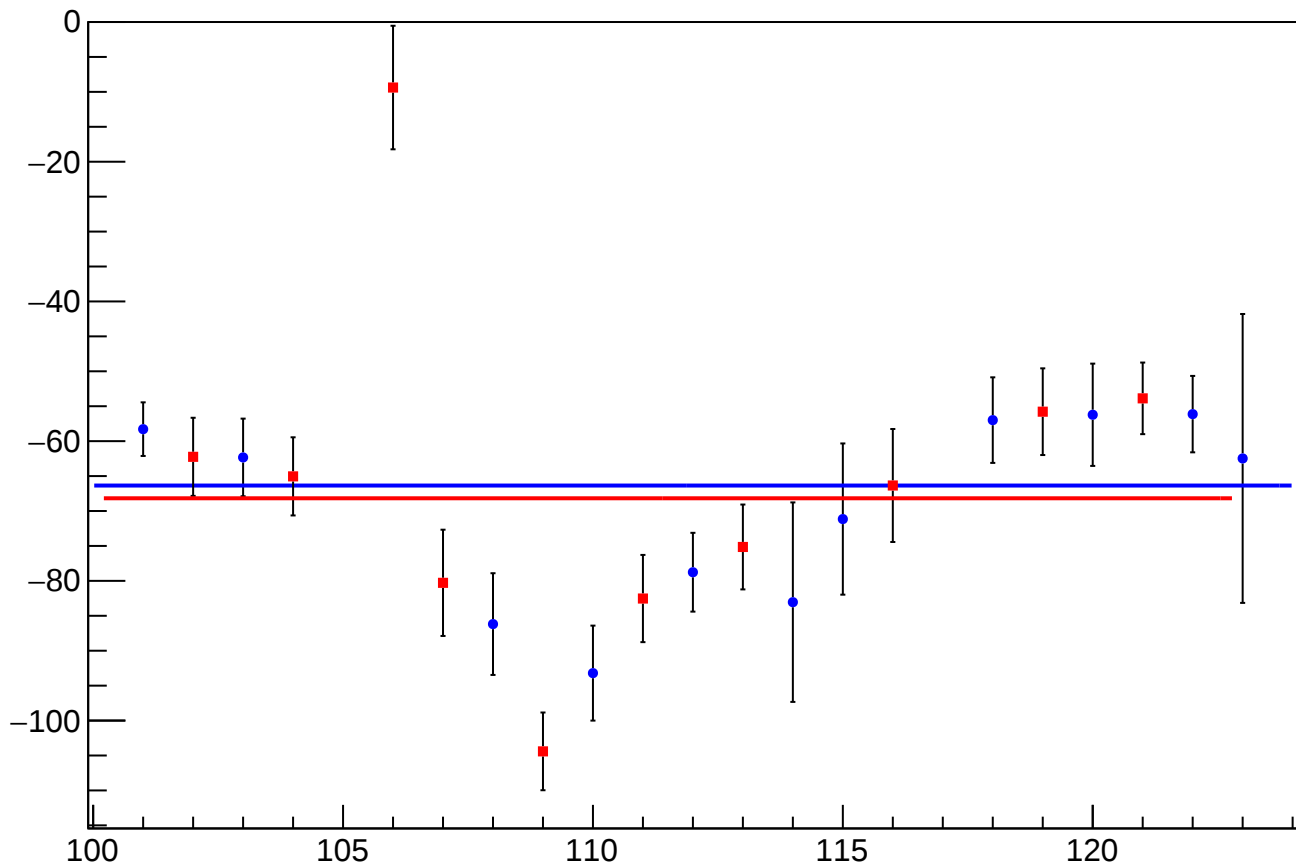
Right:  $-57.130 \pm 0.742$   $\chi^2/\text{NDF}$ : 1901.8/20

In:  $-53.591 \pm 1.006$   $\chi^2/\text{NDF}$ : 948.0/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-57.130 \pm 0.742$   $\chi^2/\text{NDF}$ : 1901.8/20

reg\_asym\_sam\_26\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -66.355+/-1.936  $\chi^2/\text{NDF}$ : 42.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -68.179+/-1.967  $\chi^2/\text{NDF}$ : 109.0/9

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

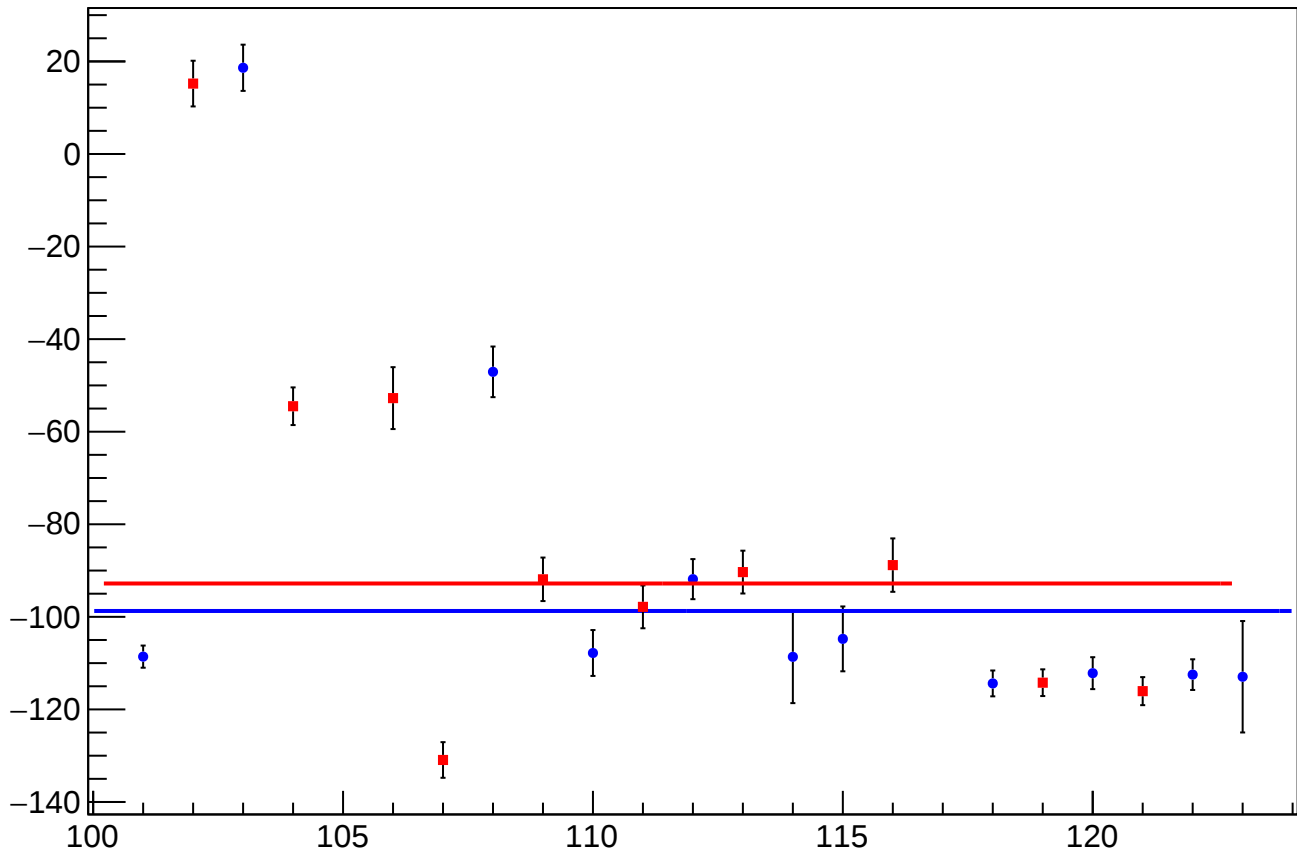
Right: -67.252+/-1.380  $\chi^2/\text{NDF}$ : 151.6/20

In: -66.355+/-1.936  $\chi^2/\text{NDF}$ : 42.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -67.252+/-1.380  $\chi^2/\text{NDF}$ : 151.6/20

reg\_asym\_sam\_26\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-98.732 \pm 1.210$   $\chi^2/\text{NDF}$ : 731.7/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-92.795 \pm 1.303$   $\chi^2/\text{NDF}$ : 817.6/9

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

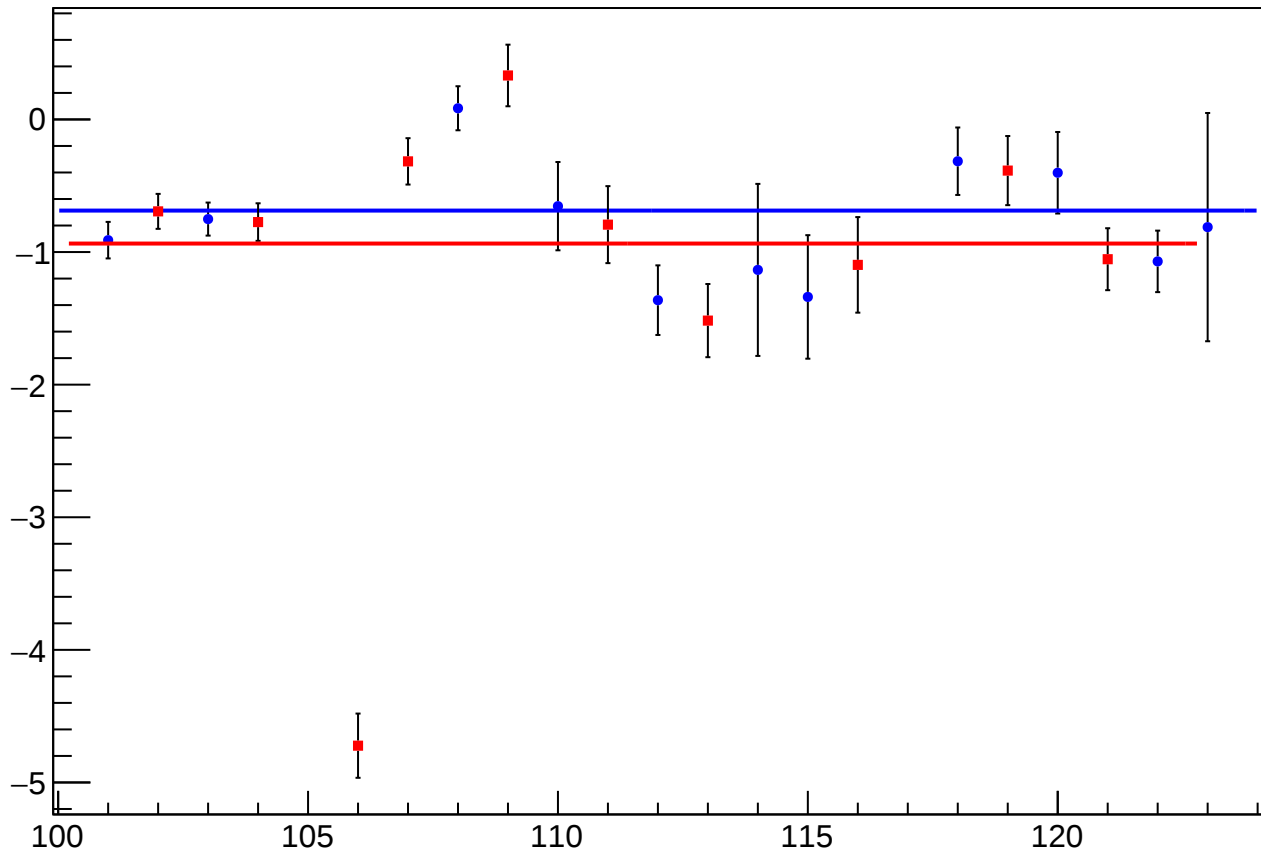
Right:  $-95.982 \pm 0.887$   $\chi^2/\text{NDF}$ : 1560.4/20

In:  $-98.732 \pm 1.210$   $\chi^2/\text{NDF}$ : 731.7/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-95.982 \pm 0.887$   $\chi^2/\text{NDF}$ : 1560.4/20

reg\_asym\_sam\_26\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.687 \pm 0.066$   $\chi^2/\text{NDF}$ : 39.3/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.936 \pm 0.064$   $\chi^2/\text{NDF}$ : 301.1/9

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

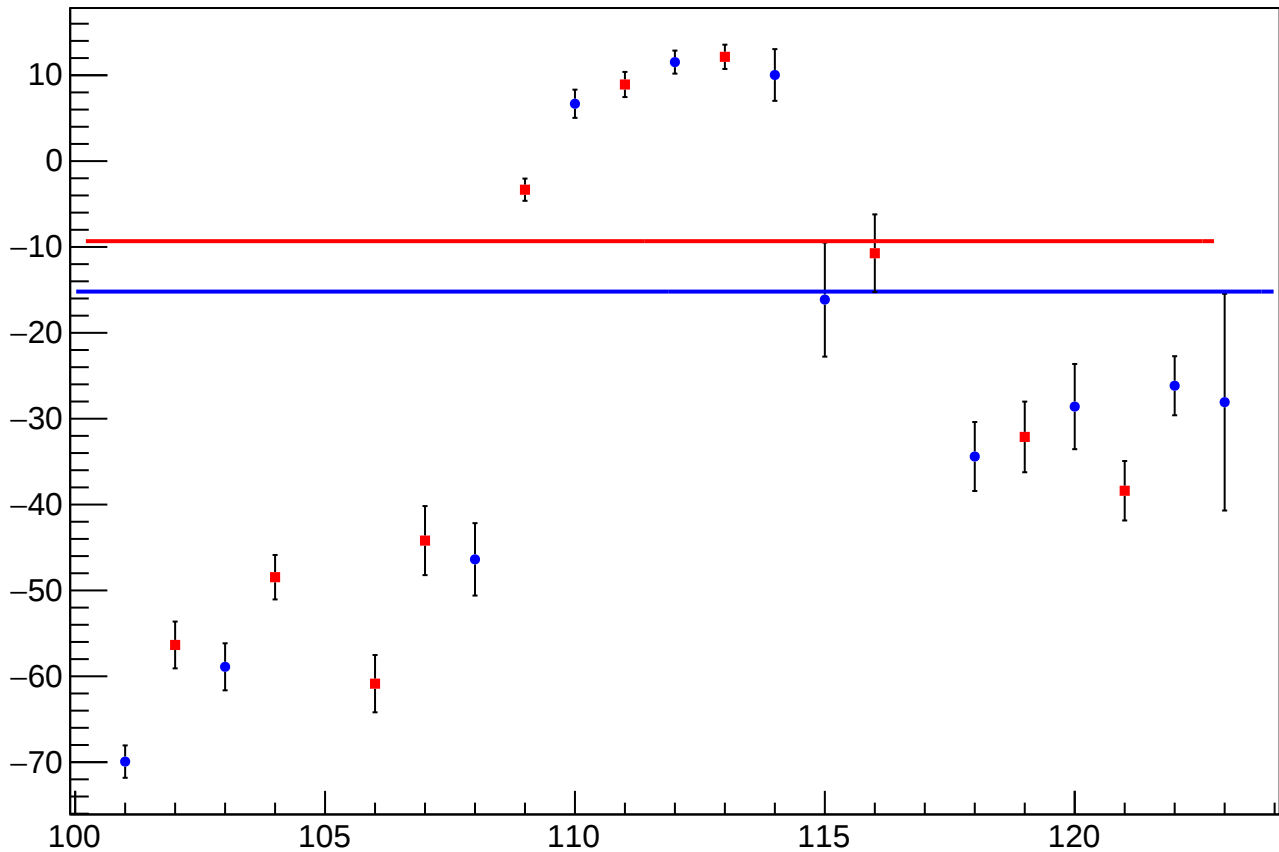
Right:  $-0.815 \pm 0.046$   $\chi^2/\text{NDF}$ : 347.7/20

In:  $-0.687 \pm 0.066$   $\chi^2/\text{NDF}$ : 39.3/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.815 \pm 0.046$   $\chi^2/\text{NDF}$ : 347.7/20

reg\_asym\_sam\_48\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -15.195 $\pm$ 0.762  $\chi^2$ /NDF: 1837.9/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -9.324 $\pm$ 0.676  $\chi^2$ /NDF: 1348.6/9

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

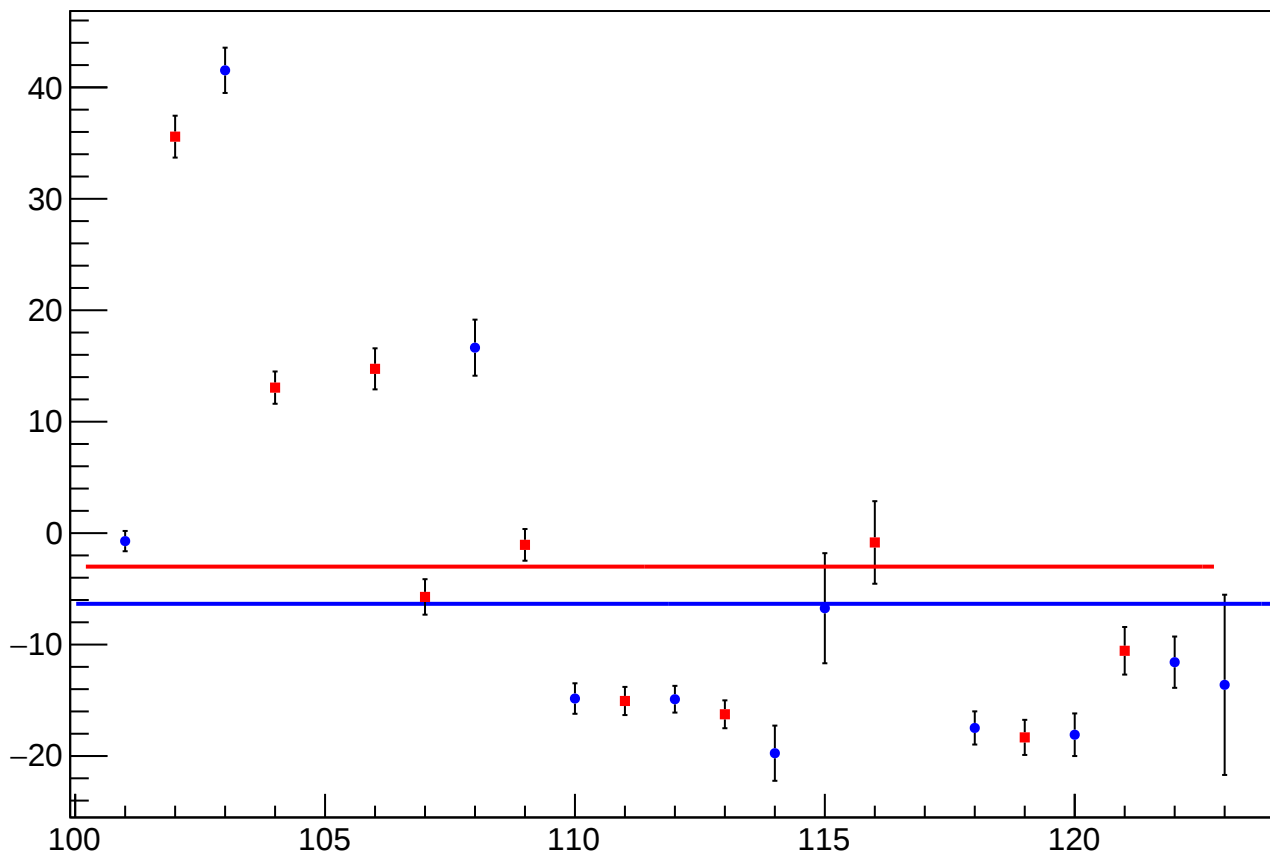
Right: -11.910 $\pm$ 0.506  $\chi^2$ /NDF: 3219.7/20

In: -15.195 $\pm$ 0.762  $\chi^2$ /NDF:1837.9/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -11.910 $\pm$ 0.506  $\chi^2$ /NDF: 3219.7/20

reg\_asym\_sam\_48\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -6.342+/-0.502  $\chi^2/\text{NDF}$ : 895.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -3.004+/-0.506  $\chi^2/\text{NDF}$ : 952.9/9

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

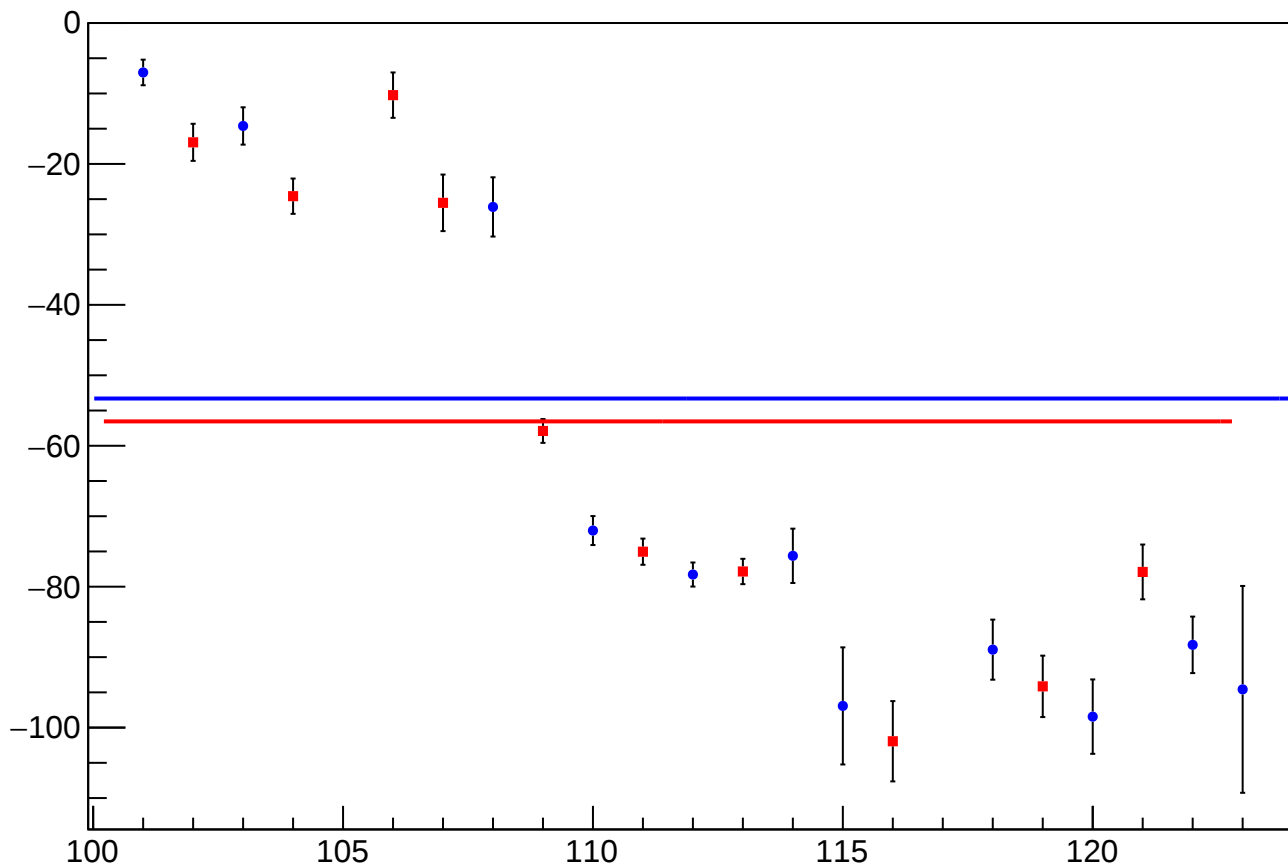
Right: -4.687+/-0.356  $\chi^2/\text{NDF}$ : 1870.2/20

In: -6.342+/-0.502  $\chi^2/\text{NDF}$ :895.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -4.687+/-0.356  $\chi^2/\text{NDF}$ : 1870.2/20

reg\_asym\_sam\_48\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -53.294 $\pm$ 0.870  $\chi^2$ /NDF: 1489.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -56.541 $\pm$ 0.800  $\chi^2$ /NDF: 1064.1/9

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

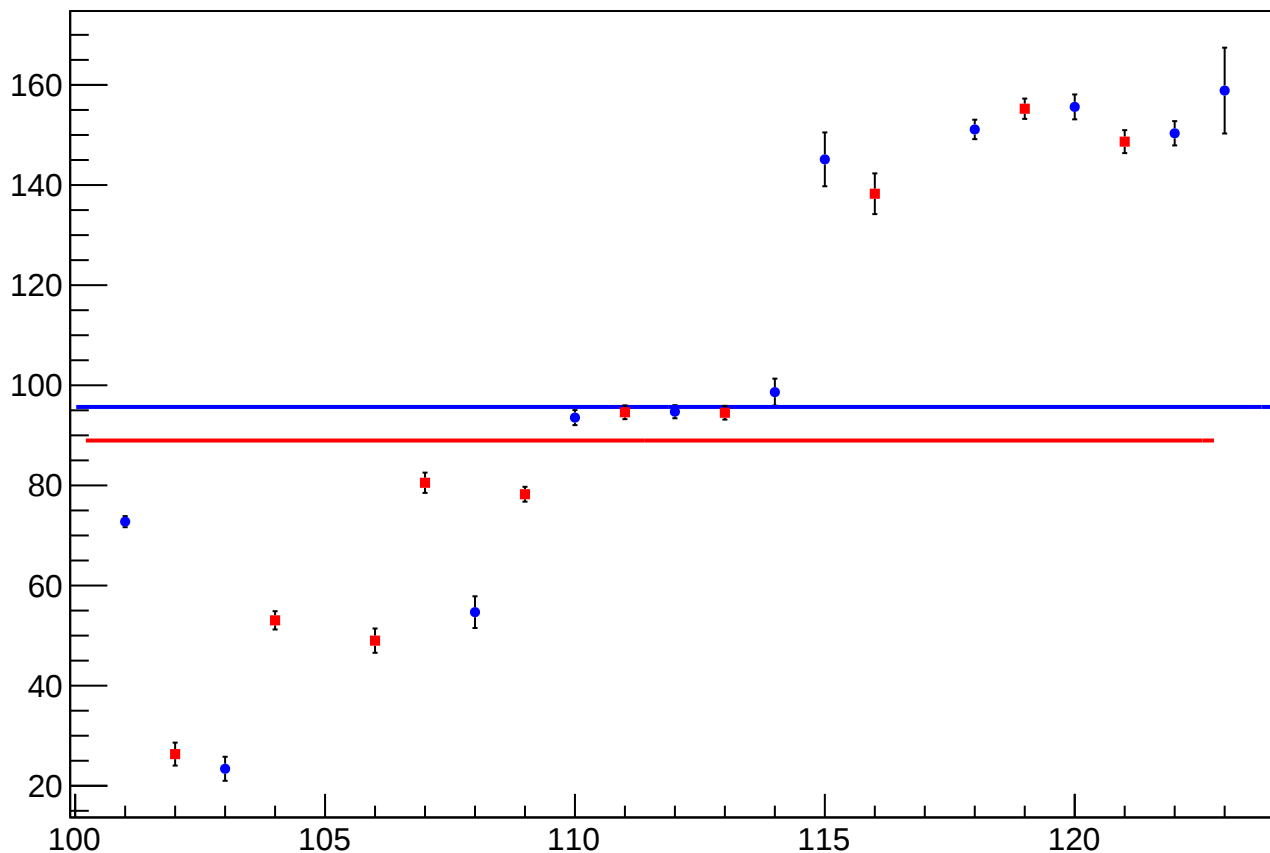
Right: -55.053 $\pm$ 0.589  $\chi^2$ /NDF: 2560.7/20

In: -53.294 $\pm$ 0.870  $\chi^2$ /NDF:1489.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -55.053 $\pm$ 0.589  $\chi^2$ /NDF: 2560.7/20

reg\_asym\_sam\_48\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 95.674+/-0.588  $\chi^2/\text{NDF}$ : 3546.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 88.968+/-0.586  $\chi^2/\text{NDF}$ : 3400.9/9

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

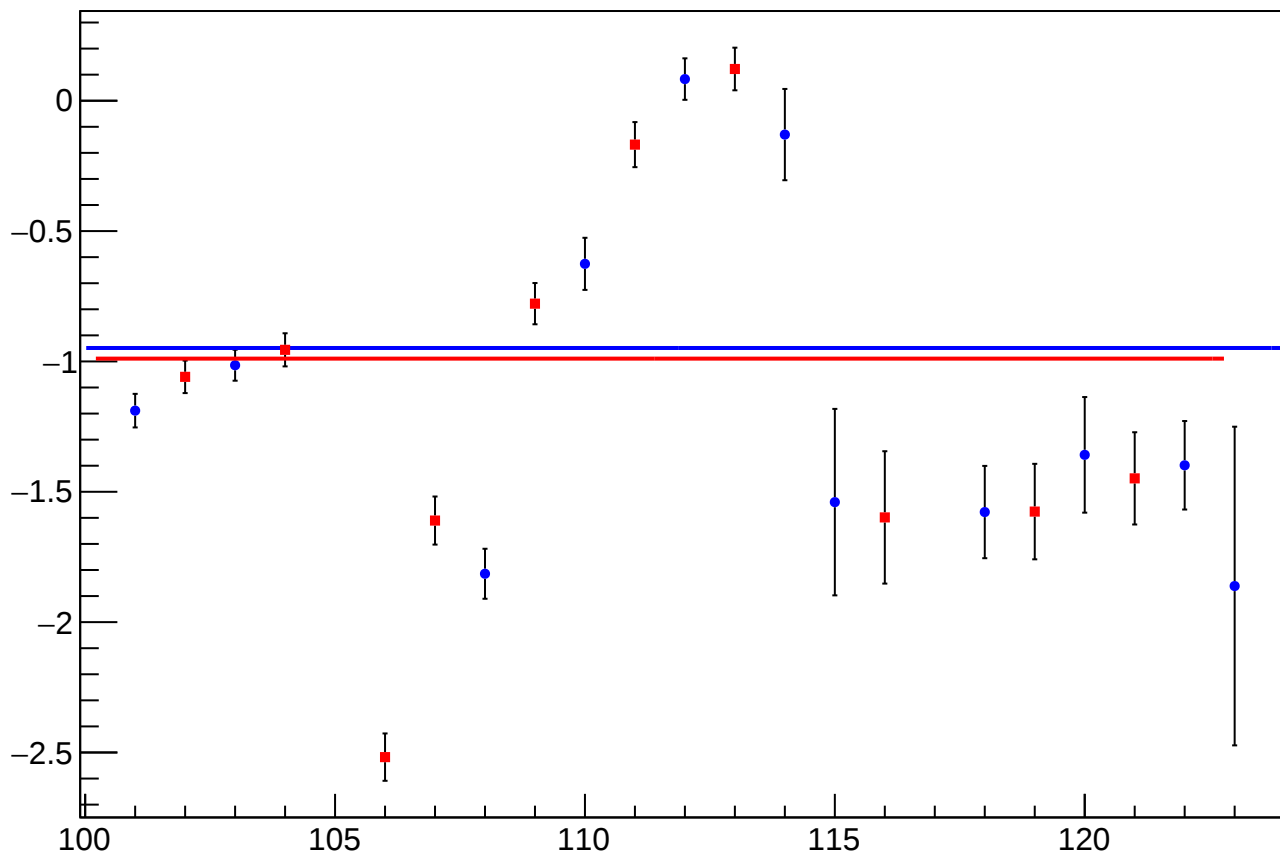
Right: 92.310+/-0.415  $\chi^2/\text{NDF}$ : 7012.1/20

In: 95.674+/-0.588  $\chi^2/\text{NDF}$ : 3546.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 92.310+/-0.415  $\chi^2/\text{NDF}$ : 7012.1/20

reg\_asym\_sam\_48\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.948+/-0.031  $\chi^2/\text{NDF}$ : 325.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.989+/-0.028  $\chi^2/\text{NDF}$ : 634.9/9

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

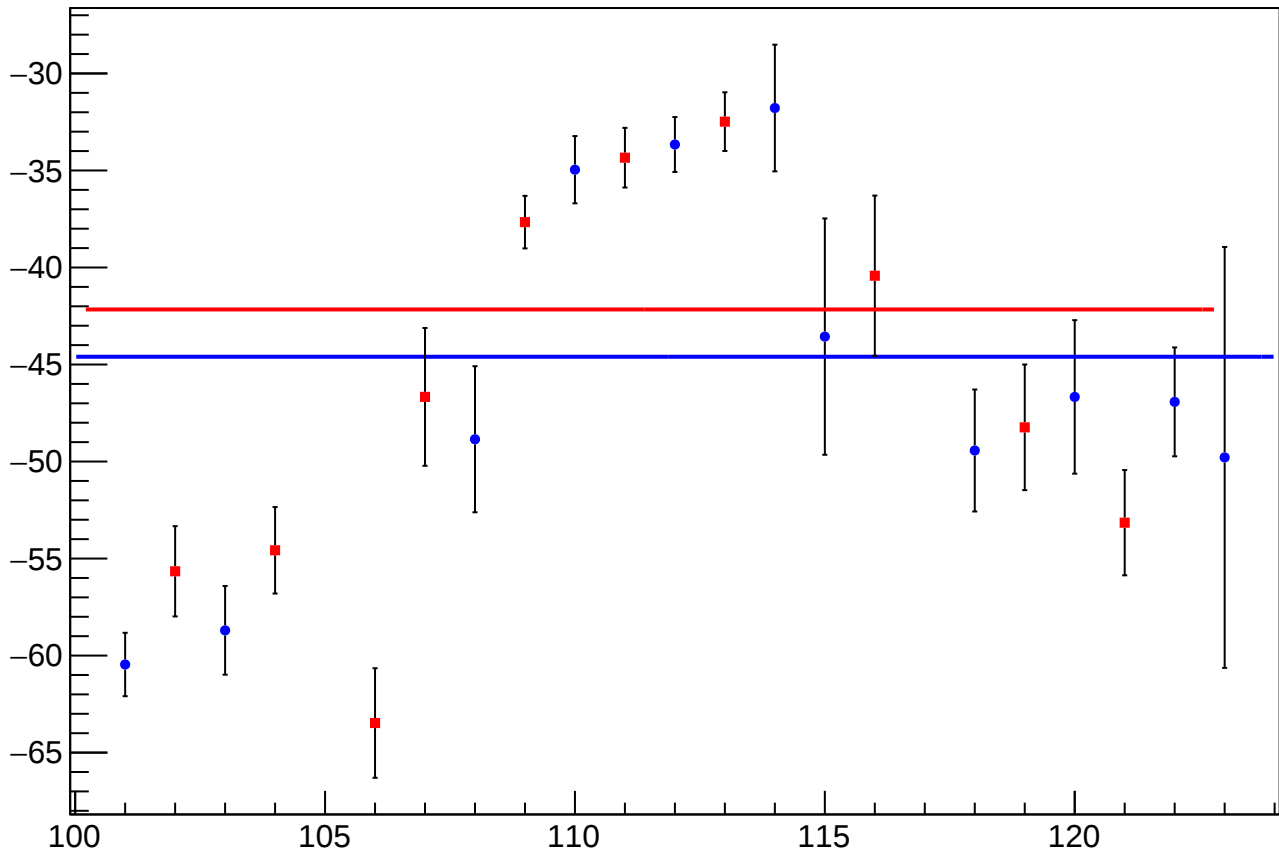
Right: -0.971+/-0.021  $\chi^2/\text{NDF}$ : 960.9/20

In: -0.948+/-0.031  $\chi^2/\text{NDF}$ :325.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.971+/-0.021  $\chi^2/\text{NDF}$ : 960.9/20

reg\_asym\_sam\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -44.600 $\pm$ 0.727  $\chi^2$ /NDF: 243.3/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -42.163 $\pm$ 0.661  $\chi^2$ /NDF: 221.2/9

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

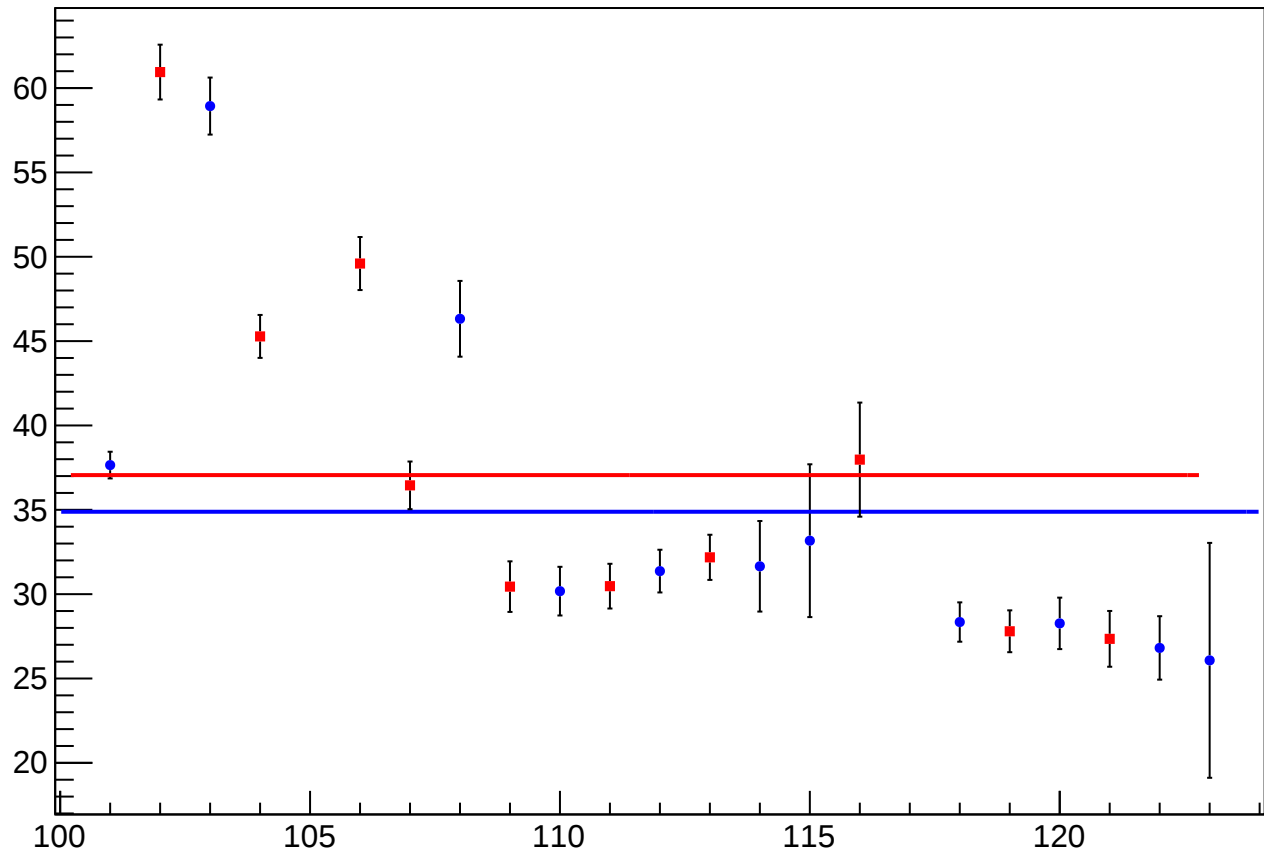
Right: -43.266 $\pm$ 0.489  $\chi^2$ /NDF: 470.7/20

In: -44.600 $\pm$ 0.727  $\chi^2$ /NDF:243.3/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -43.266 $\pm$ 0.489  $\chi^2$ /NDF: 470.7/20

reg\_asym\_sam\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 34.885 $\pm$ 0.451  $\chi^2$ /NDF: 330.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 37.057 $\pm$ 0.467  $\chi^2$ /NDF: 469.4/9

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

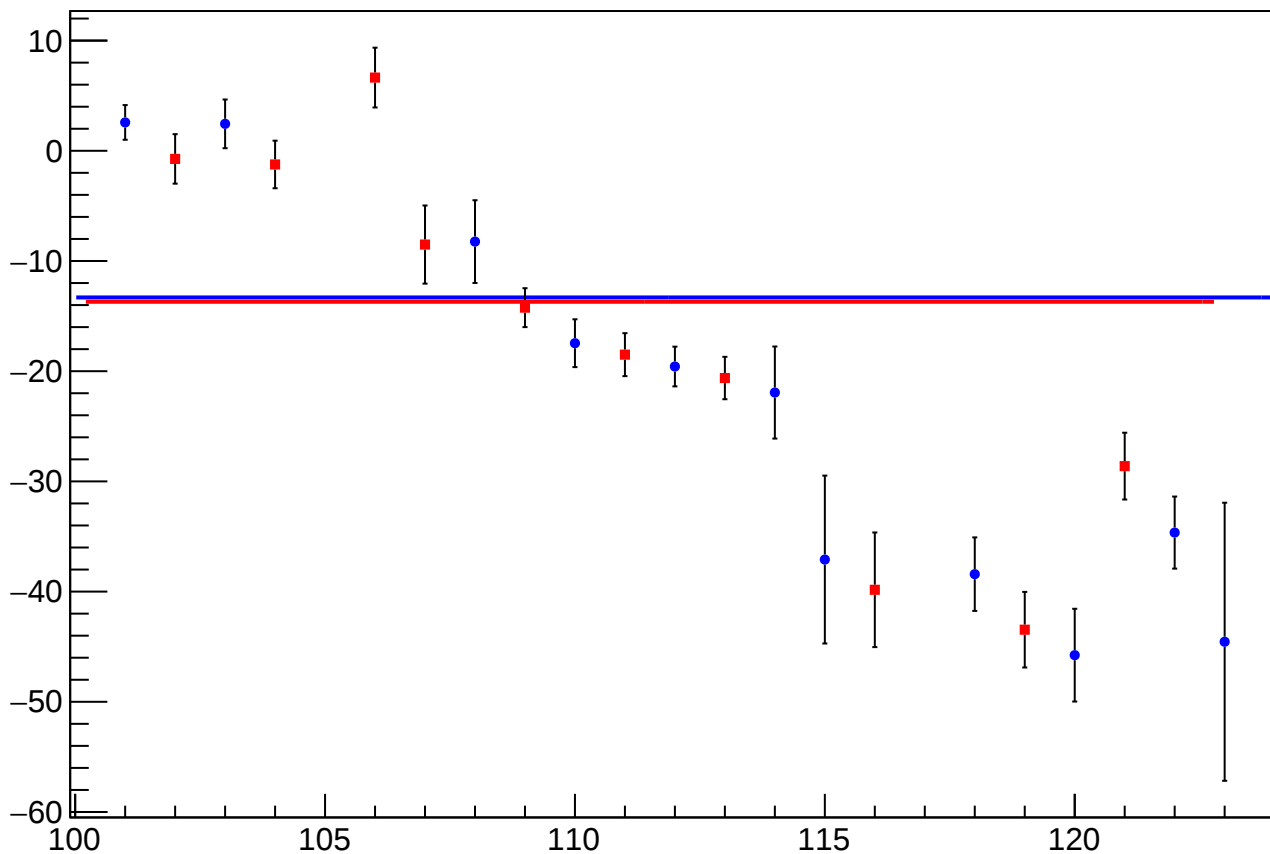
Right: 35.933 $\pm$ 0.325  $\chi^2$ /NDF: 811.4/20

In: 34.885 $\pm$ 0.451  $\chi^2$ /NDF:330.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 35.933 $\pm$ 0.325  $\chi^2$ /NDF: 811.4/20

reg\_asym\_sam\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -13.307 $\pm$ 0.811  $\chi^2$ /NDF: 349.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -13.700 $\pm$ 0.764  $\chi^2$ /NDF: 268.8/9

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

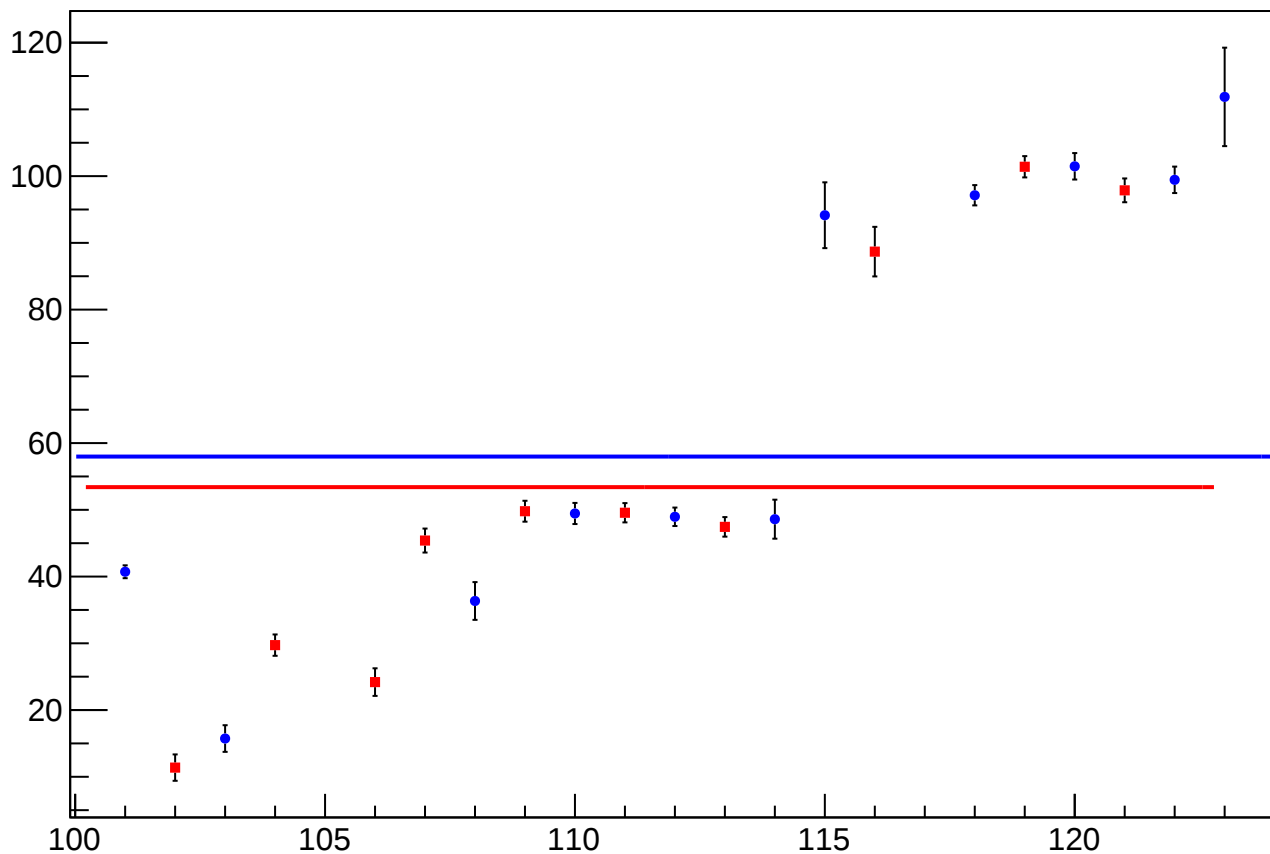
Right: -13.515 $\pm$ 0.556  $\chi^2$ /NDF: 618.1/20

In: -13.307 $\pm$ 0.811  $\chi^2$ /NDF:349.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -13.515 $\pm$ 0.556  $\chi^2$ /NDF: 618.1/20

reg\_asym\_sam\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 57.981+/-0.535  $\chi^2/\text{NDF}$ : 2598.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 53.401+/-0.549  $\chi^2/\text{NDF}$ : 2537.2/9

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

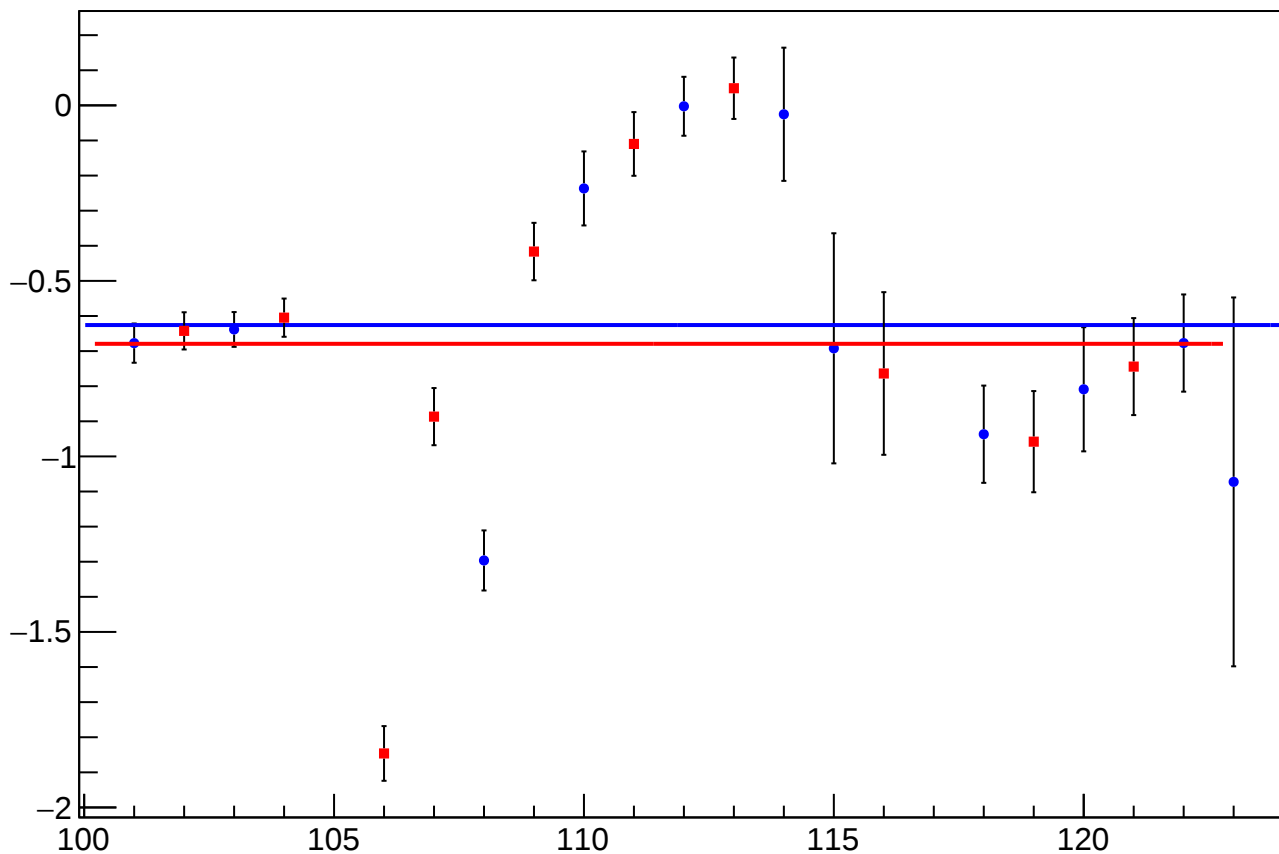
Right: 55.747+/-0.383  $\chi^2/\text{NDF}$ : 5171.4/20

In: 57.981+/-0.535  $\chi^2/\text{NDF}$ : 2598.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 55.747+/-0.383  $\chi^2/\text{NDF}$ : 5171.4/20

reg\_asym\_sam\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.626+/-0.028  $\chi^2/\text{NDF}$ : 148.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -0.679+/-0.026  $\chi^2/\text{NDF}$ : 356.2/9

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

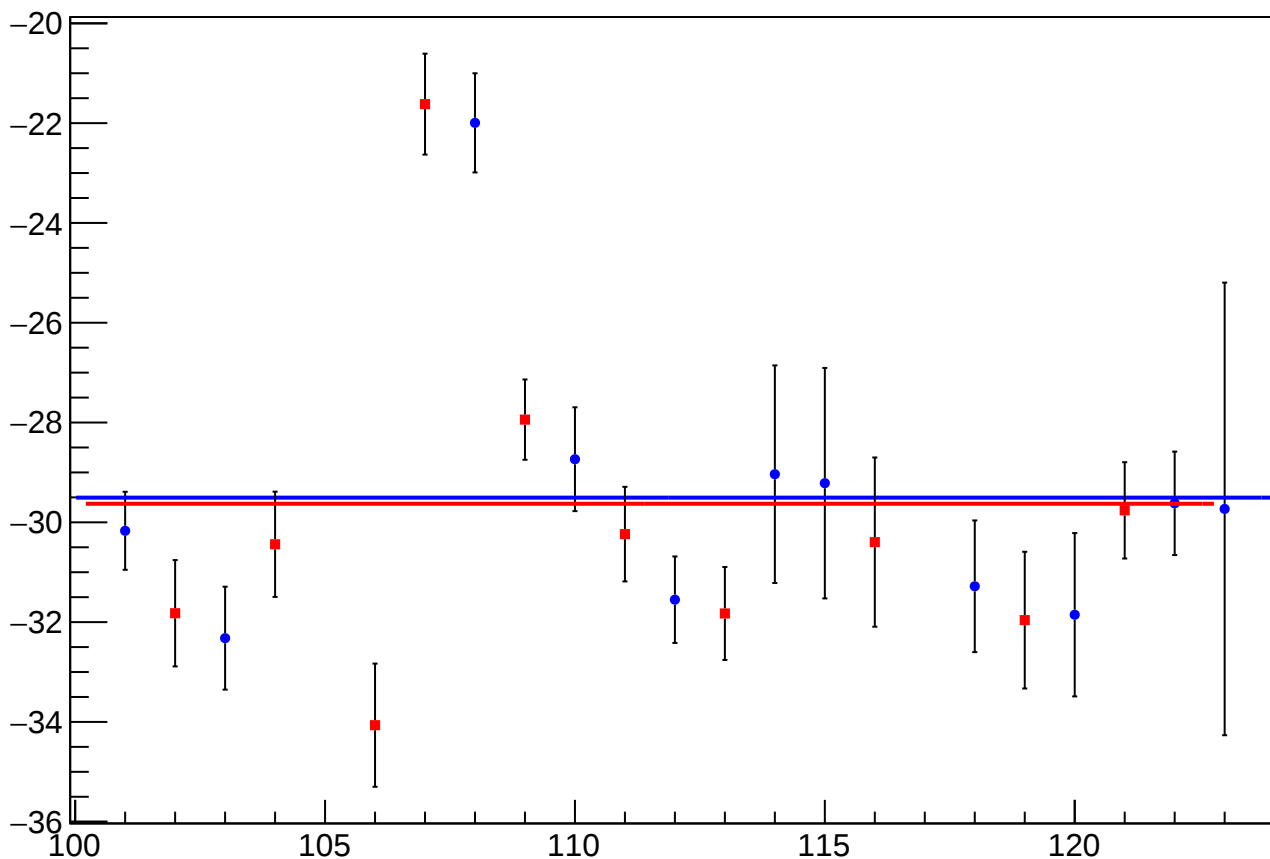
Right: -0.655+/-0.019  $\chi^2/\text{NDF}$ : 506.3/20

In: -0.626+/-0.028  $\chi^2/\text{NDF}$ :148.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -0.655+/-0.019  $\chi^2/\text{NDF}$ : 506.3/20

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -29.505 $\pm$ 0.350  $\chi^2$ /NDF: 75.4/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -29.628 $\pm$ 0.330  $\chi^2$ /NDF: 94.0/9

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

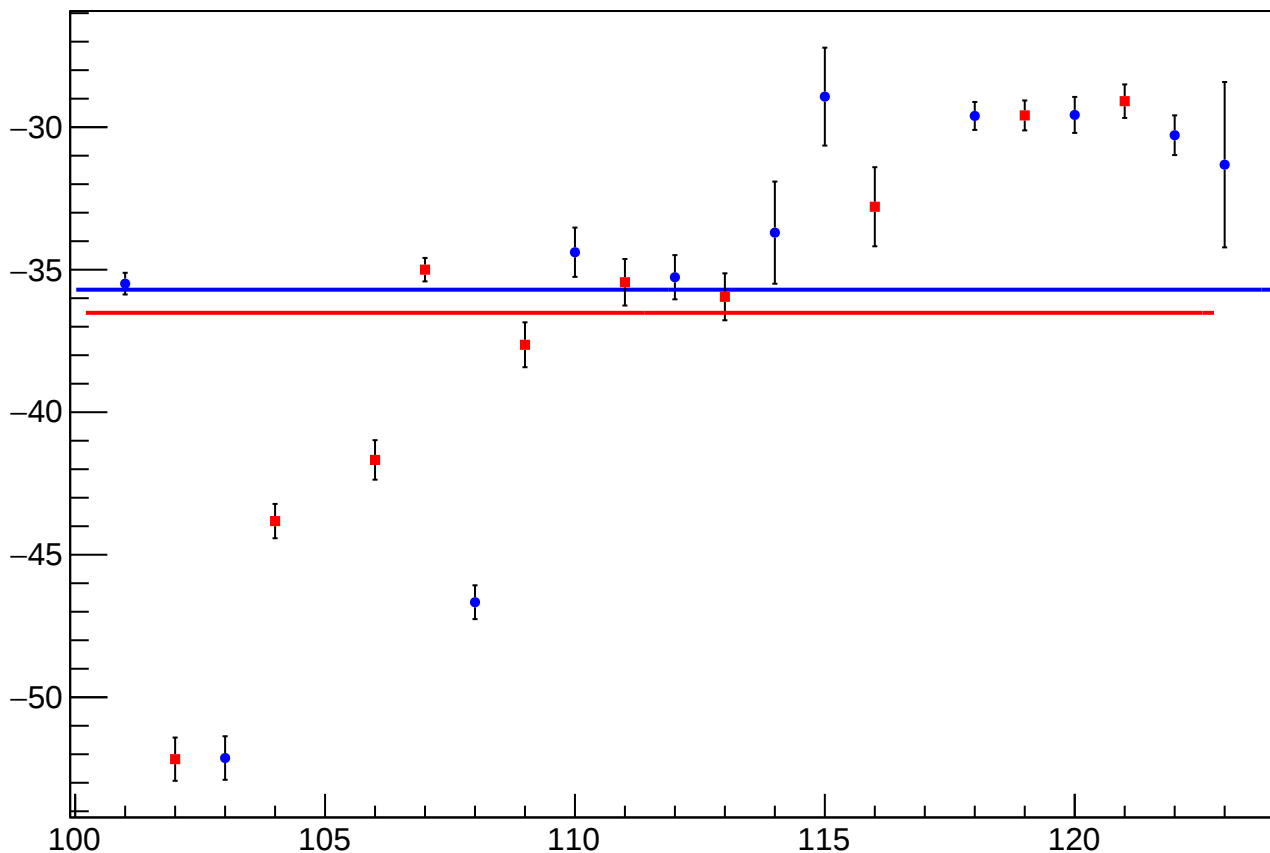
Right: -29.570 $\pm$ 0.240  $\chi^2$ /NDF: 169.4/20

In: -29.505 $\pm$ 0.350  $\chi^2$ /NDF:75.4/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -29.570 $\pm$ 0.240  $\chi^2$ /NDF: 169.4/20

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-35.701 \pm 0.204$   $\chi^2/\text{NDF}: 1136.0/10$

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Right Out:  $-36.513 \pm 0.204$   $\chi^2/\text{NDF}: 987.1/9$

Left In:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

Left:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

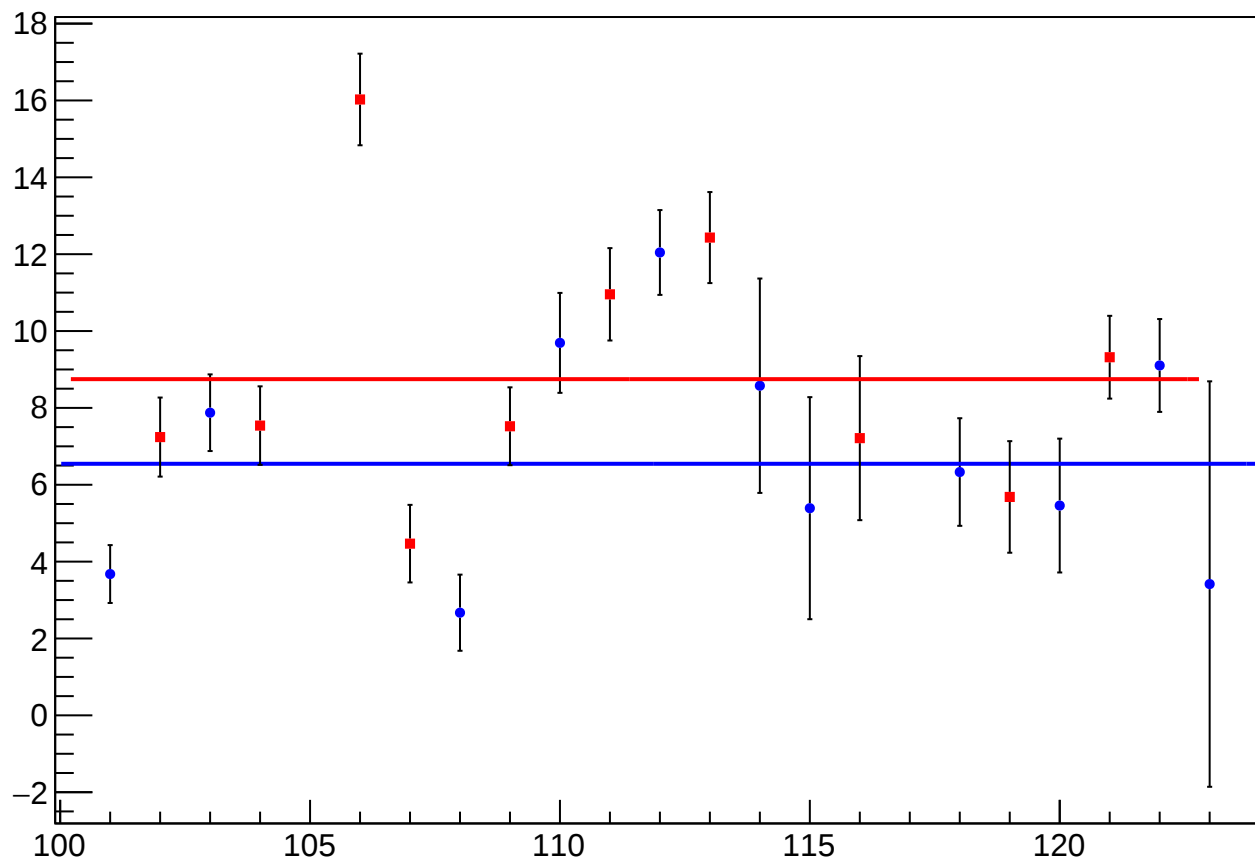
Right:  $-36.108 \pm 0.144$   $\chi^2/\text{NDF}: 2131.1/20$

In:  $-35.701 \pm 0.204$   $\chi^2/\text{NDF}: 1136.0/10$

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}: 0.0/0$

All:  $-36.108 \pm 0.144$   $\chi^2/\text{NDF}: 2131.1/20$

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 6.546+/-0.378  $\chi^2/\text{NDF}$ : 68.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.748+/-0.365  $\chi^2/\text{NDF}$ : 78.6/9

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

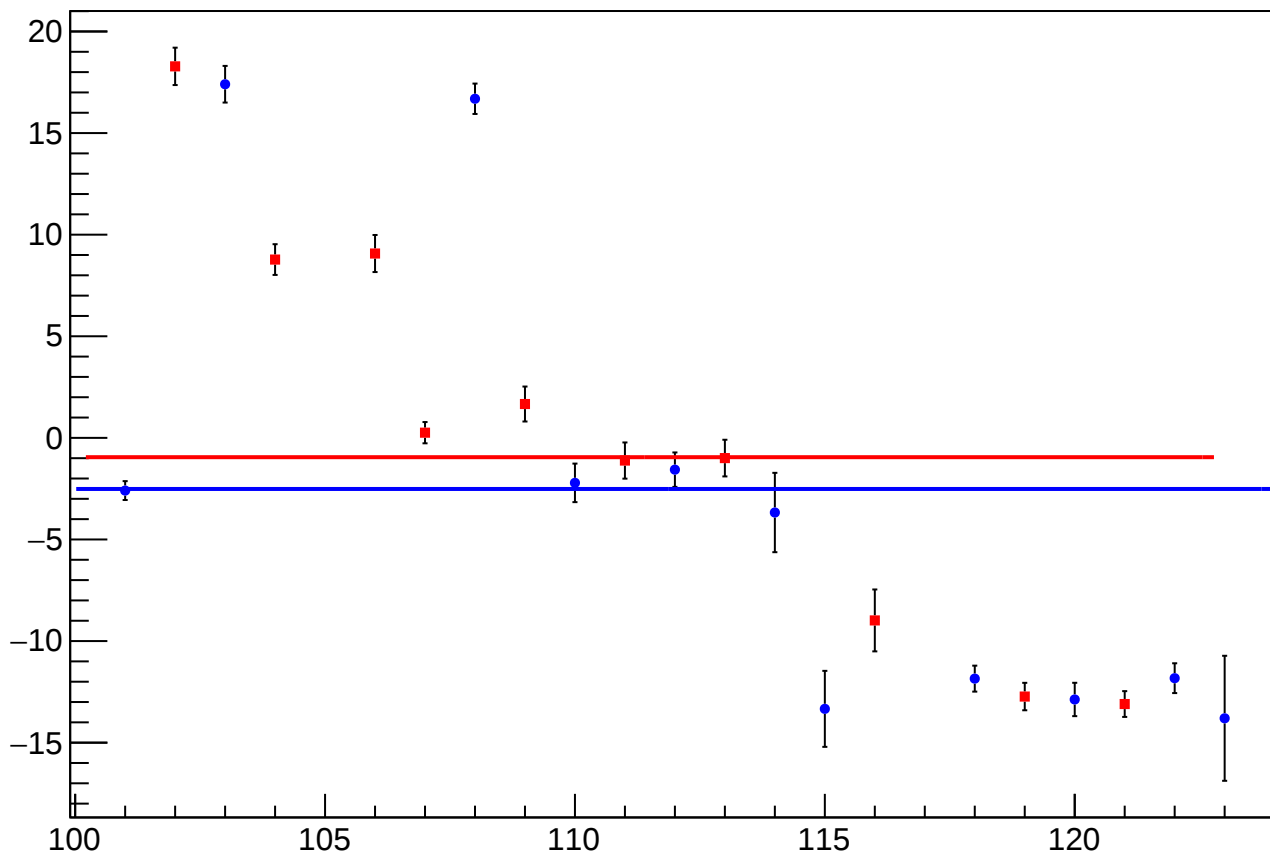
Right: 7.686+/-0.262  $\chi^2/\text{NDF}$ : 164.4/20

In: 6.546+/-0.378  $\chi^2/\text{NDF}$ : 68.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 7.686+/-0.262  $\chi^2/\text{NDF}$ : 164.4/20

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-2.515 \pm 0.245$   $\chi^2/\text{NDF}$ : 1730.5/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.951 \pm 0.244$   $\chi^2/\text{NDF}$ : 1436.9/9

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

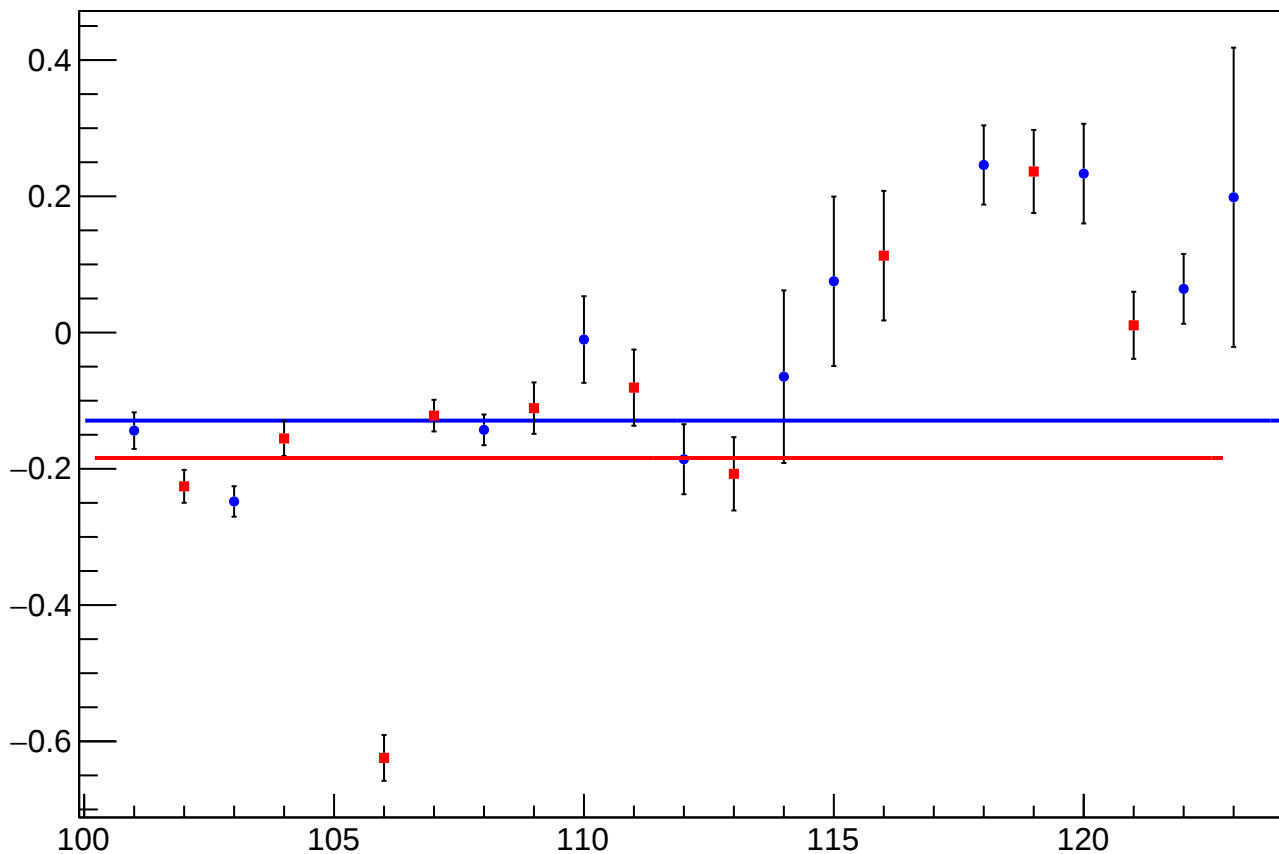
Right:  $-1.730 \pm 0.173$   $\chi^2/\text{NDF}$ : 3187.8/20

In:  $-2.515 \pm 0.245$   $\chi^2/\text{NDF}$ : 1730.5/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.730 \pm 0.173$   $\chi^2/\text{NDF}$ : 3187.8/20

reg\_asym\_sam\_13\_57\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.129 \pm 0.012$   $\chi^2/\text{NDF}$ : 119.2/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.184 \pm 0.011$   $\chi^2/\text{NDF}$ : 263.3/9

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

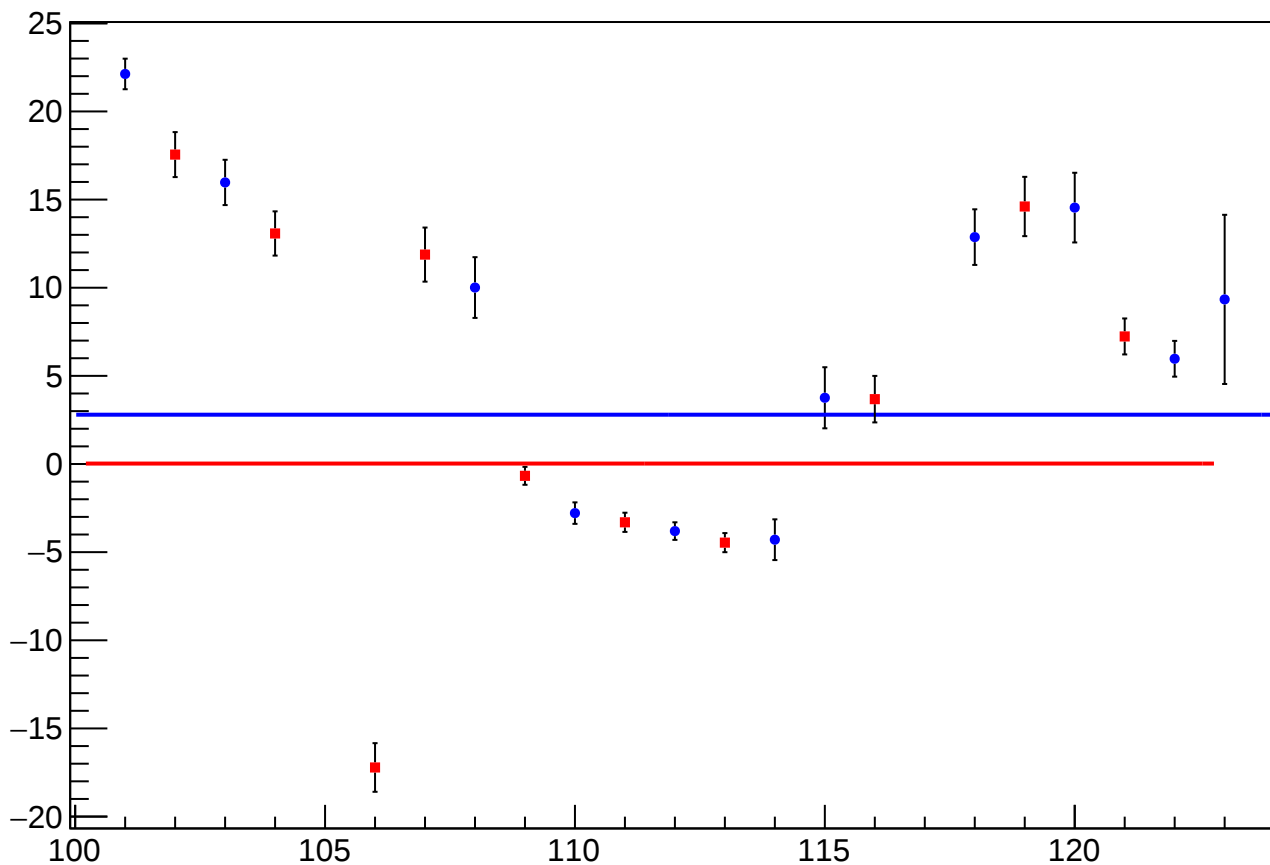
Right:  $-0.159 \pm 0.008$   $\chi^2/\text{NDF}$ : 393.7/20

In:  $-0.129 \pm 0.012$   $\chi^2/\text{NDF}$ : 119.2/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.159 \pm 0.008$   $\chi^2/\text{NDF}$ : 393.7/20

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.797+/-0.292  $\chi^2/\text{NDF}$ : 1004.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.025+/-0.260  $\chi^2/\text{NDF}$ : 753.2/9

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

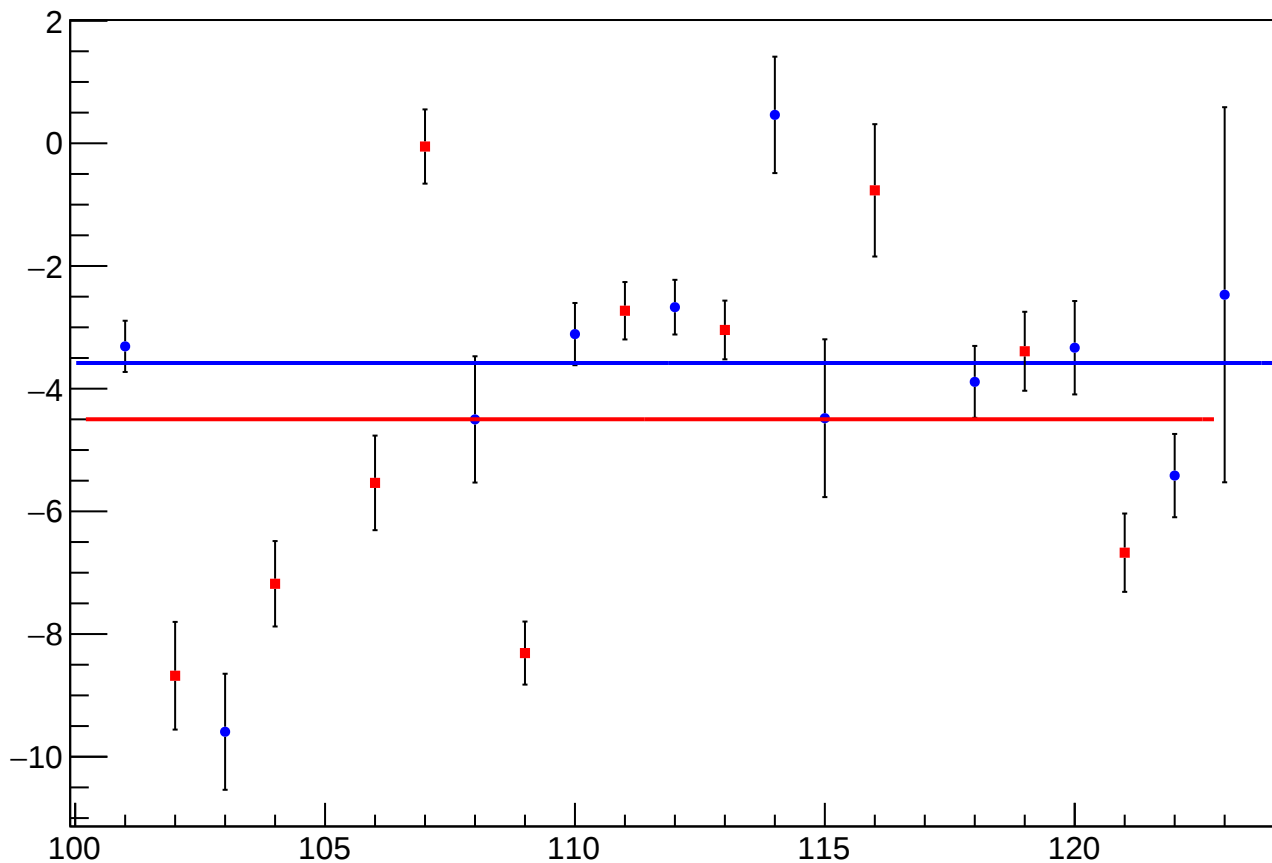
Right: 1.254+/-0.194  $\chi^2/\text{NDF}$ : 1808.0/20

In: 2.797+/-0.292  $\chi^2/\text{NDF}$ : 1004.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.254+/-0.194  $\chi^2/\text{NDF}$ : 1808.0/20

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-3.581 \pm 0.199$   $\chi^2/\text{NDF}$ : 73.1/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-4.499 \pm 0.195$   $\chi^2/\text{NDF}$ : 198.4/9

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

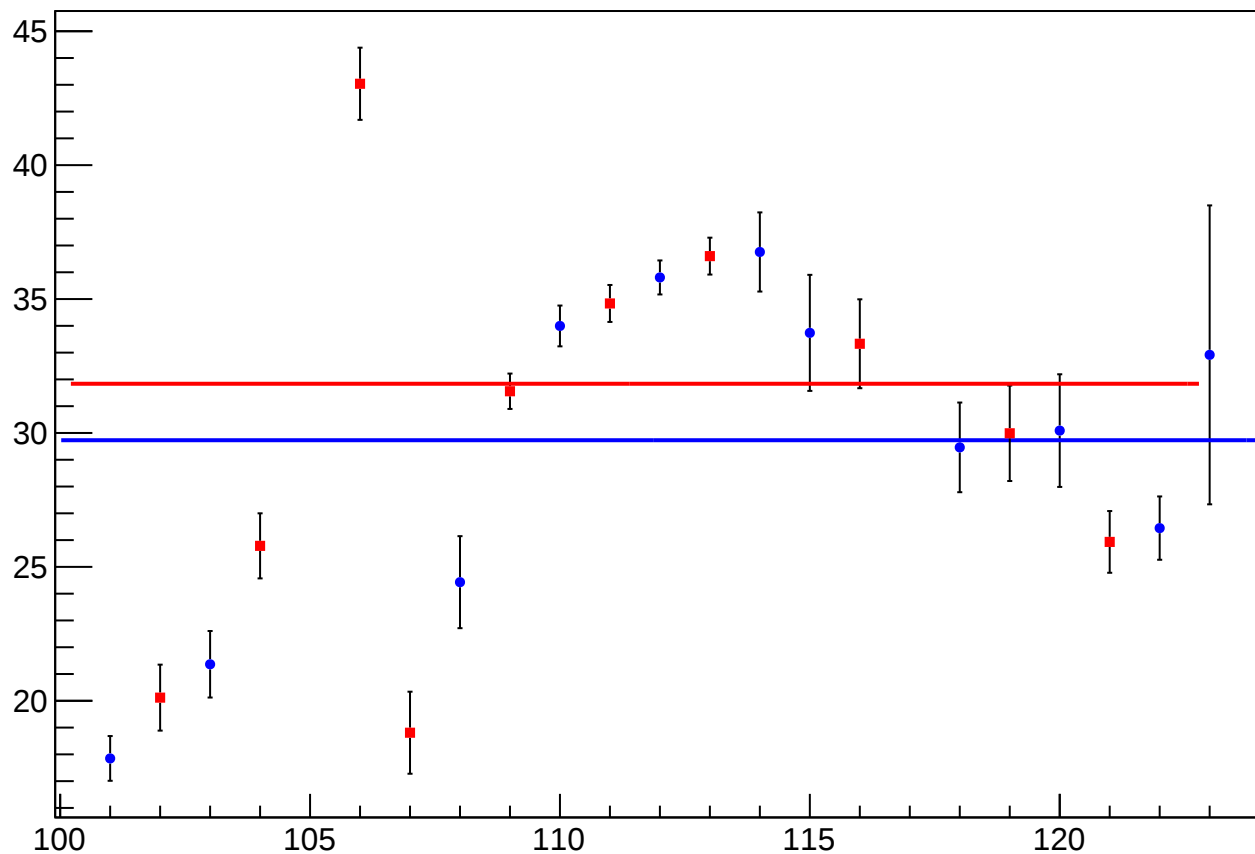
Right:  $-4.048 \pm 0.139$   $\chi^2/\text{NDF}$ : 282.4/20

In:  $-3.581 \pm 0.199$   $\chi^2/\text{NDF}$ : 73.1/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-4.048 \pm 0.139$   $\chi^2/\text{NDF}$ : 282.4/20

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 29.729+/-0.340  $\chi^2/\text{NDF}$ : 414.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 31.837+/-0.312  $\chi^2/\text{NDF}$ : 351.9/9

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

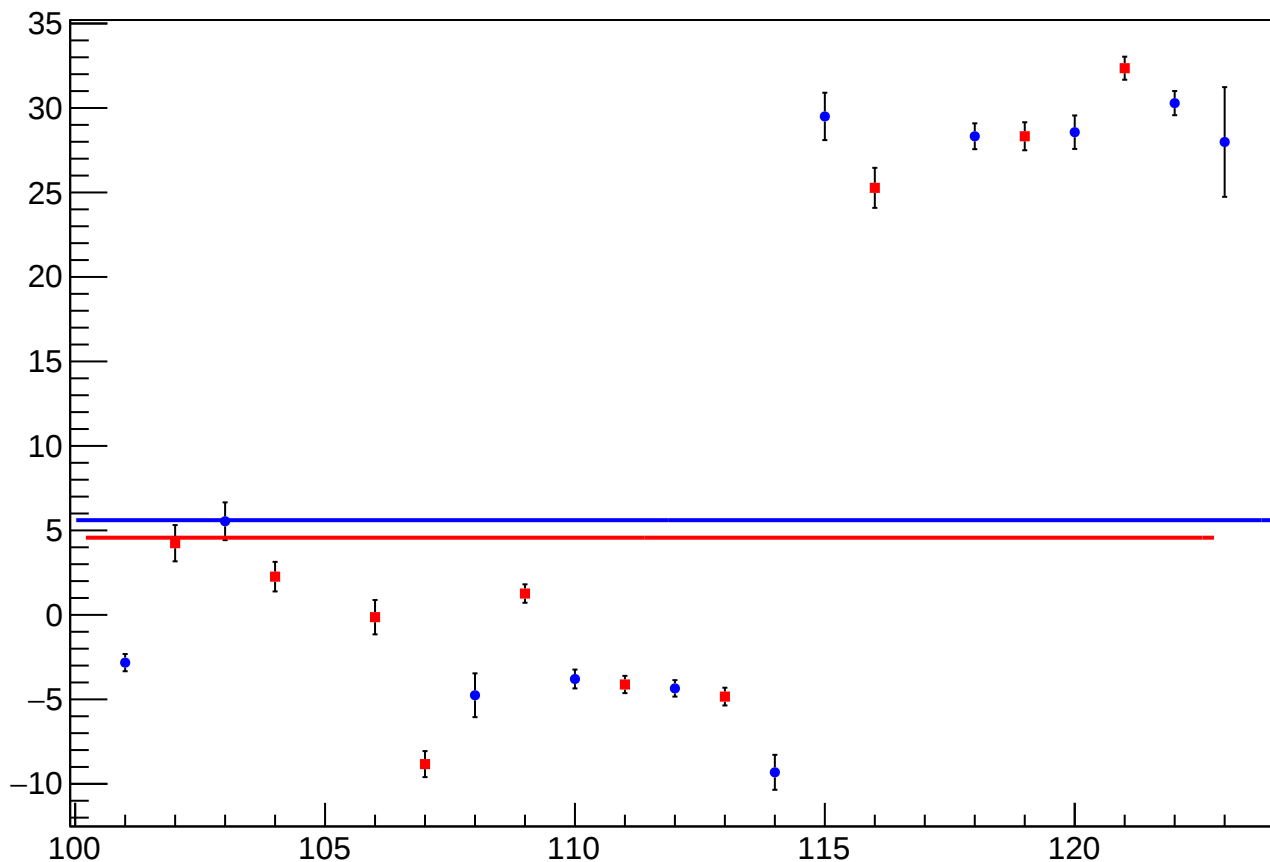
Right: 30.874+/-0.230  $\chi^2/\text{NDF}$ : 787.0/20

In: 29.729+/-0.340  $\chi^2/\text{NDF}$ : 414.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 30.874+/-0.230  $\chi^2/\text{NDF}$ : 787.0/20

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 5.605+/-0.230  $\chi^2/\text{NDF}$ : 4196.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.569+/-0.224  $\chi^2/\text{NDF}$ : 3764.3/9

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

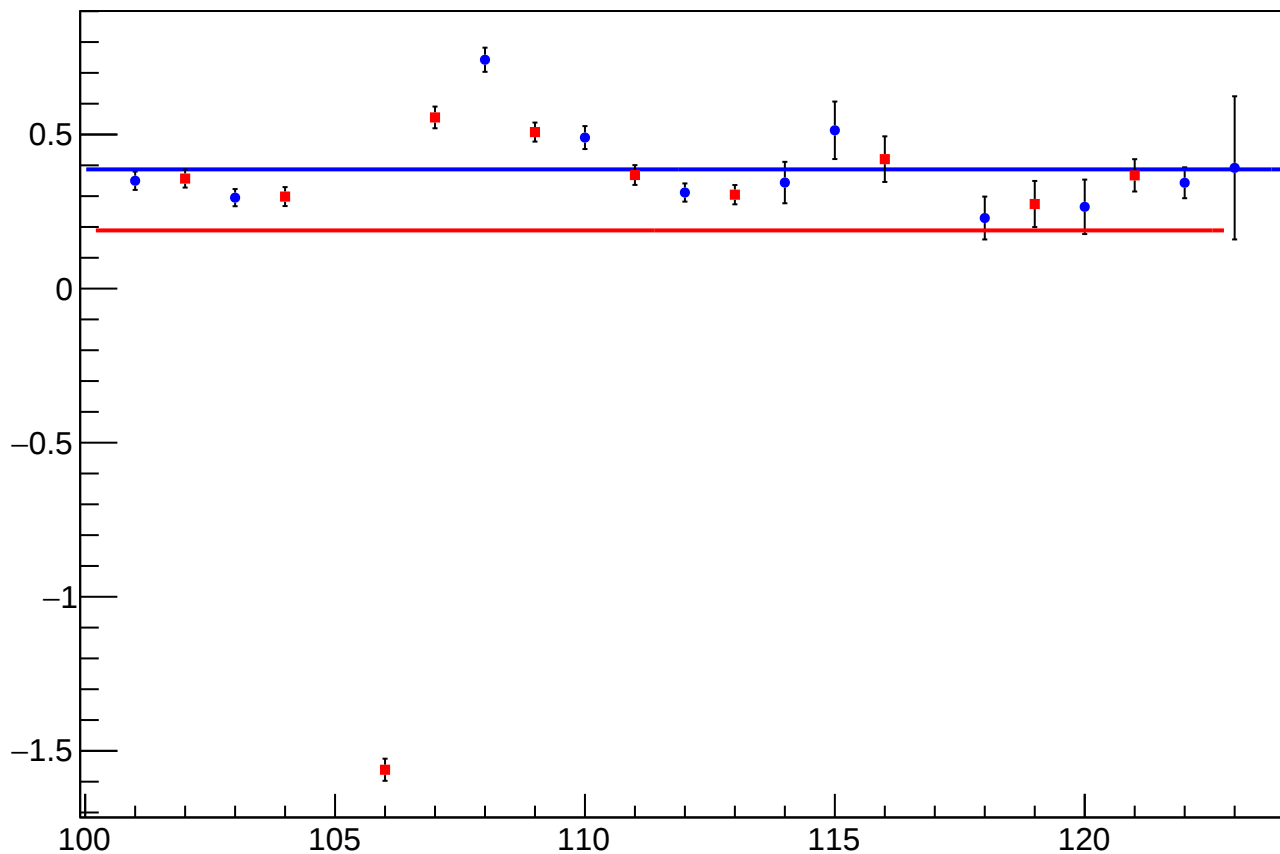
Right: 5.073+/-0.160  $\chi^2/\text{NDF}$ : 7971.5/20

In: 5.605+/-0.230  $\chi^2/\text{NDF}$ : 4196.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.073+/-0.160  $\chi^2/\text{NDF}$ : 7971.5/20

reg\_asym\_sam\_15\_37\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.387+/-0.013  $\chi^2/\text{NDF}$ : 119.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.189+/-0.011  $\chi^2/\text{NDF}$ : 2706.3/9

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

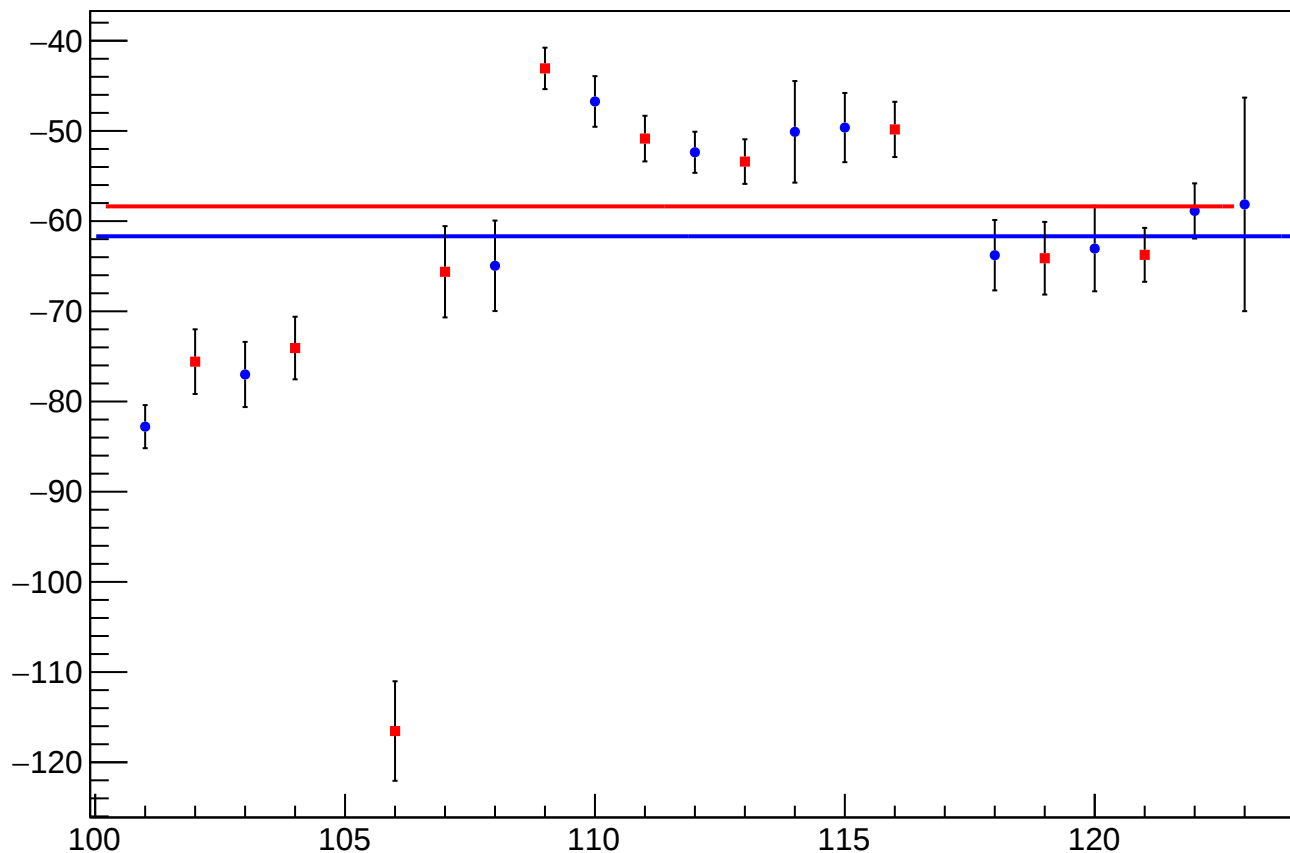
Right: 0.277+/-0.009  $\chi^2/\text{NDF}$ : 2956.8/20

In: 0.387+/-0.013  $\chi^2/\text{NDF}$ : 119.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.277+/-0.009  $\chi^2/\text{NDF}$ : 2956.8/20

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -61.680+/-1.034  $\chi^2/\text{NDF}$ : 156.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -58.365+/-0.989  $\chi^2/\text{NDF}$ : 226.9/9

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

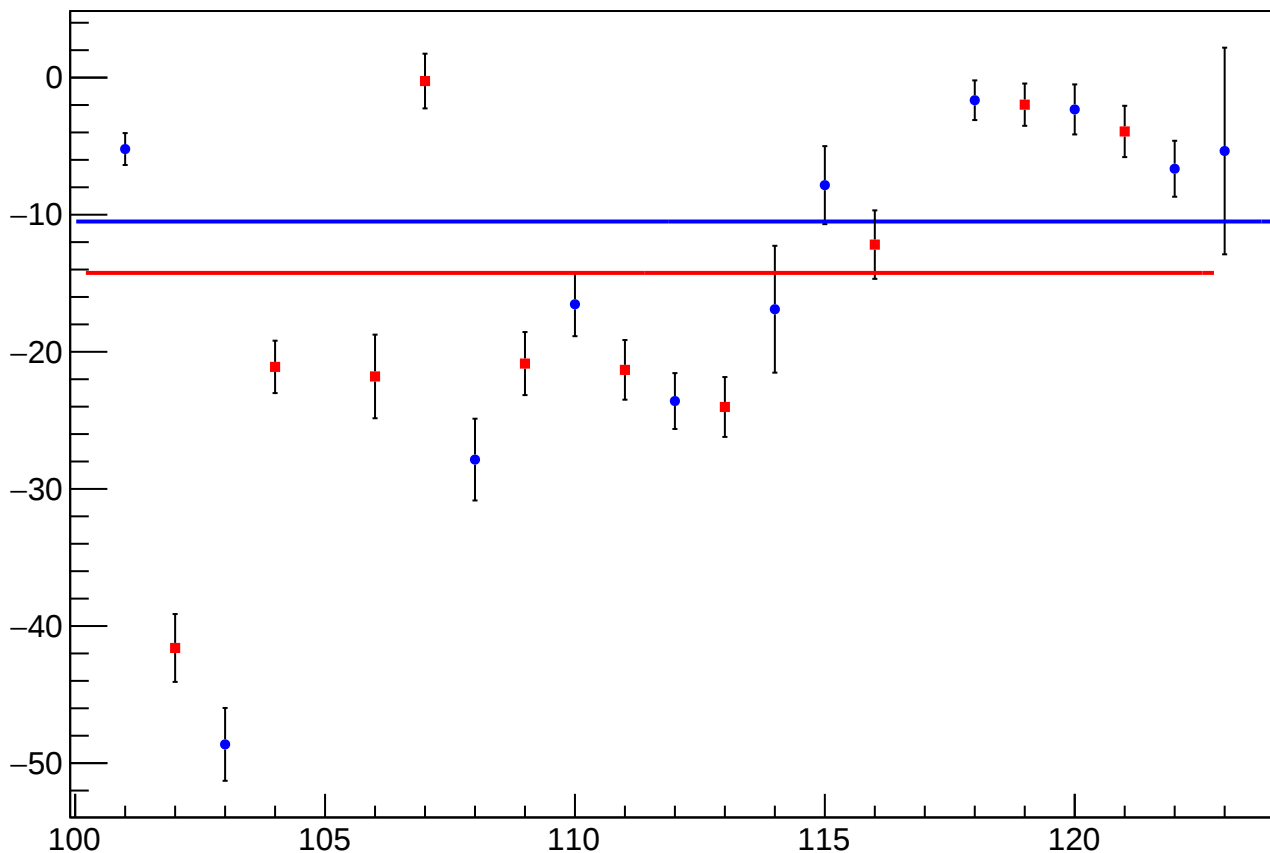
Right: -59.949+/-0.715  $\chi^2/\text{NDF}$ : 389.2/20

In: -61.680+/-1.034  $\chi^2/\text{NDF}$ : 156.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -59.949+/-0.715  $\chi^2/\text{NDF}$ : 389.2/20

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In:  $-10.496 \pm 0.617$   $\chi^2/\text{NDF}$ : 372.8/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-14.244 \pm 0.663$   $\chi^2/\text{NDF}$ : 323.7/9

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

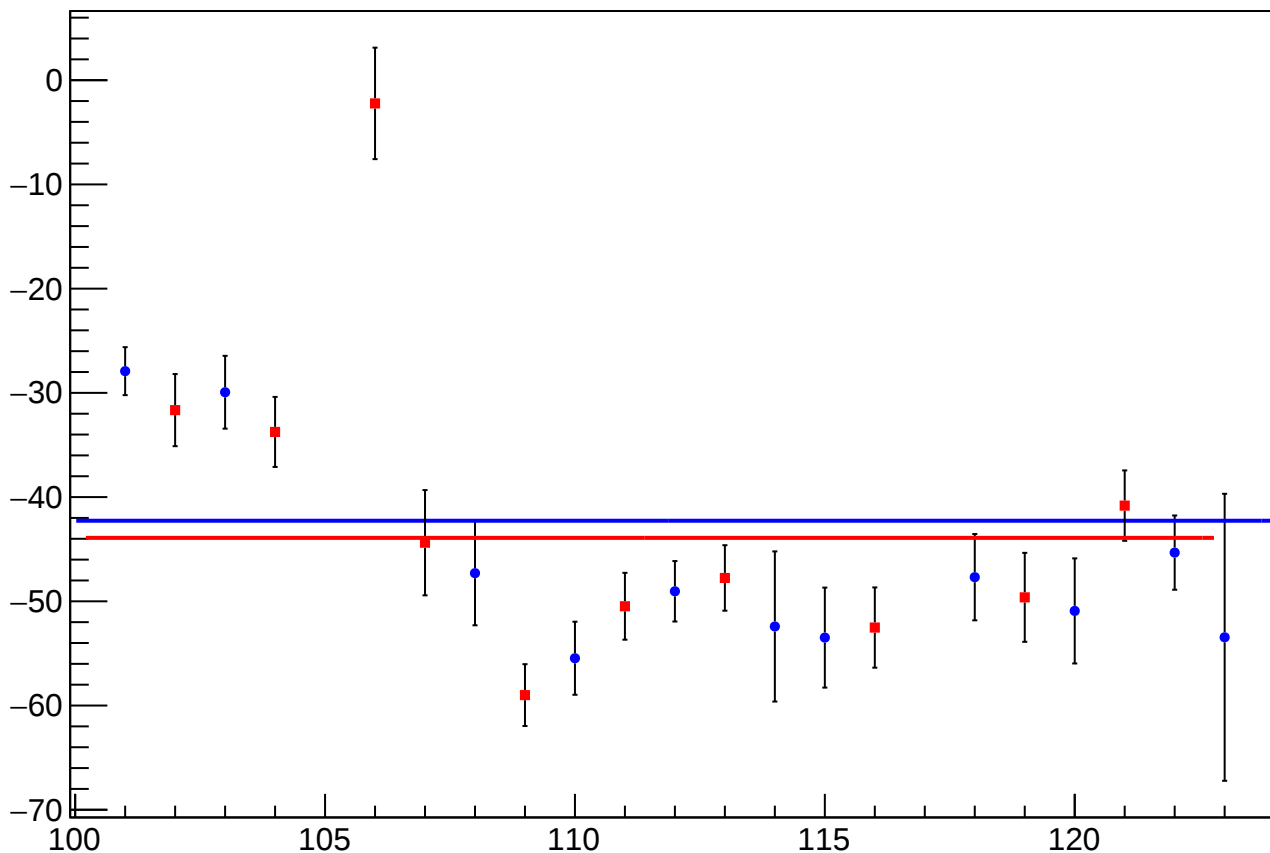
Right:  $-12.236 \pm 0.452$   $\chi^2/\text{NDF}$ : 713.7/20

In:  $-10.496 \pm 0.617$   $\chi^2/\text{NDF}$ : 372.8/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-12.236 \pm 0.452$   $\chi^2/\text{NDF}$ : 713.7/20

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -42.269+/-1.151  $\chi^2/\text{NDF}$ : 85.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -43.911+/-1.141  $\chi^2/\text{NDF}$ : 121.6/9

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

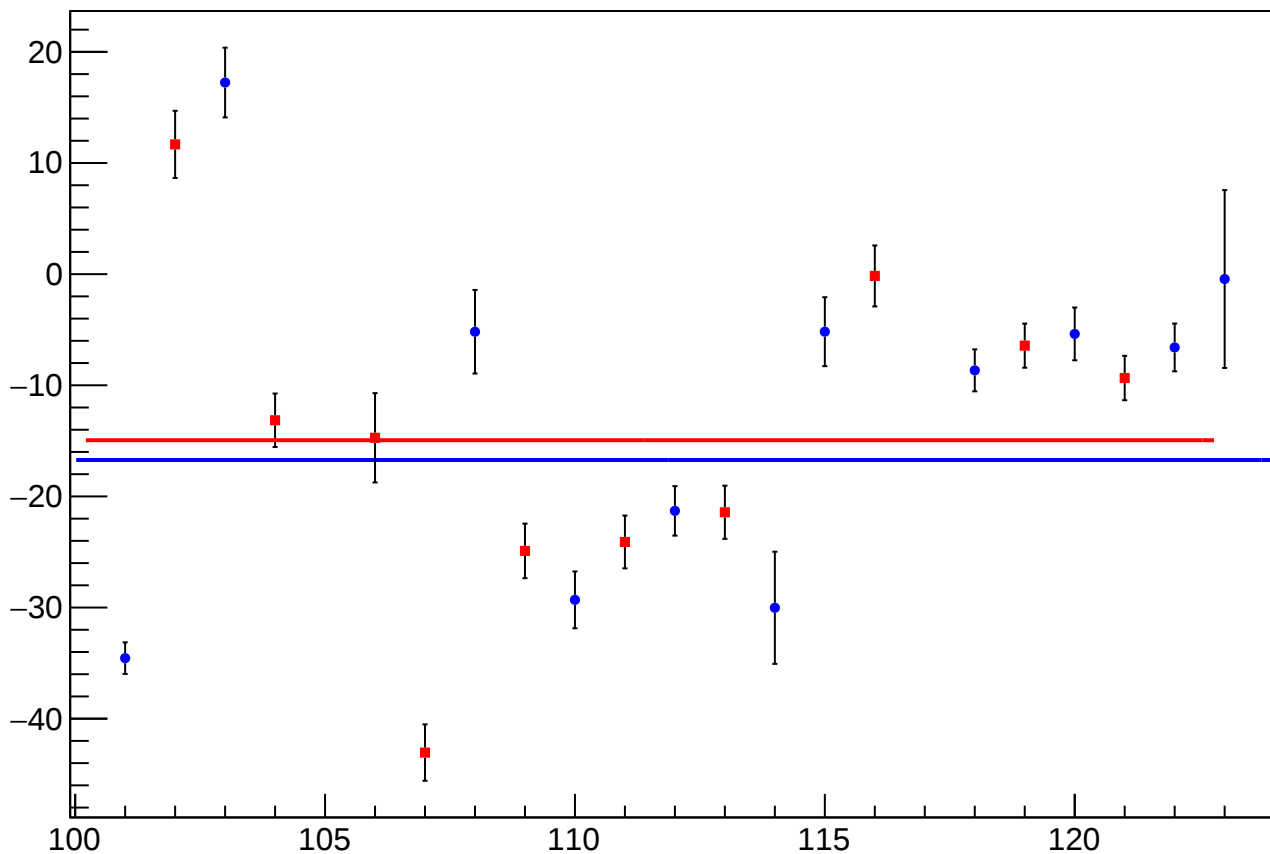
Right: -43.097+/-0.810  $\chi^2/\text{NDF}$ : 208.1/20

In: -42.269+/-1.151  $\chi^2/\text{NDF}$ : 85.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -43.097+/-0.810  $\chi^2/\text{NDF}$ : 208.1/20

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -16.724 $\pm$ 0.734  $\chi^2$ /NDF: 400.5/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -14.945 $\pm$ 0.778  $\chi^2$ /NDF: 294.7/9

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

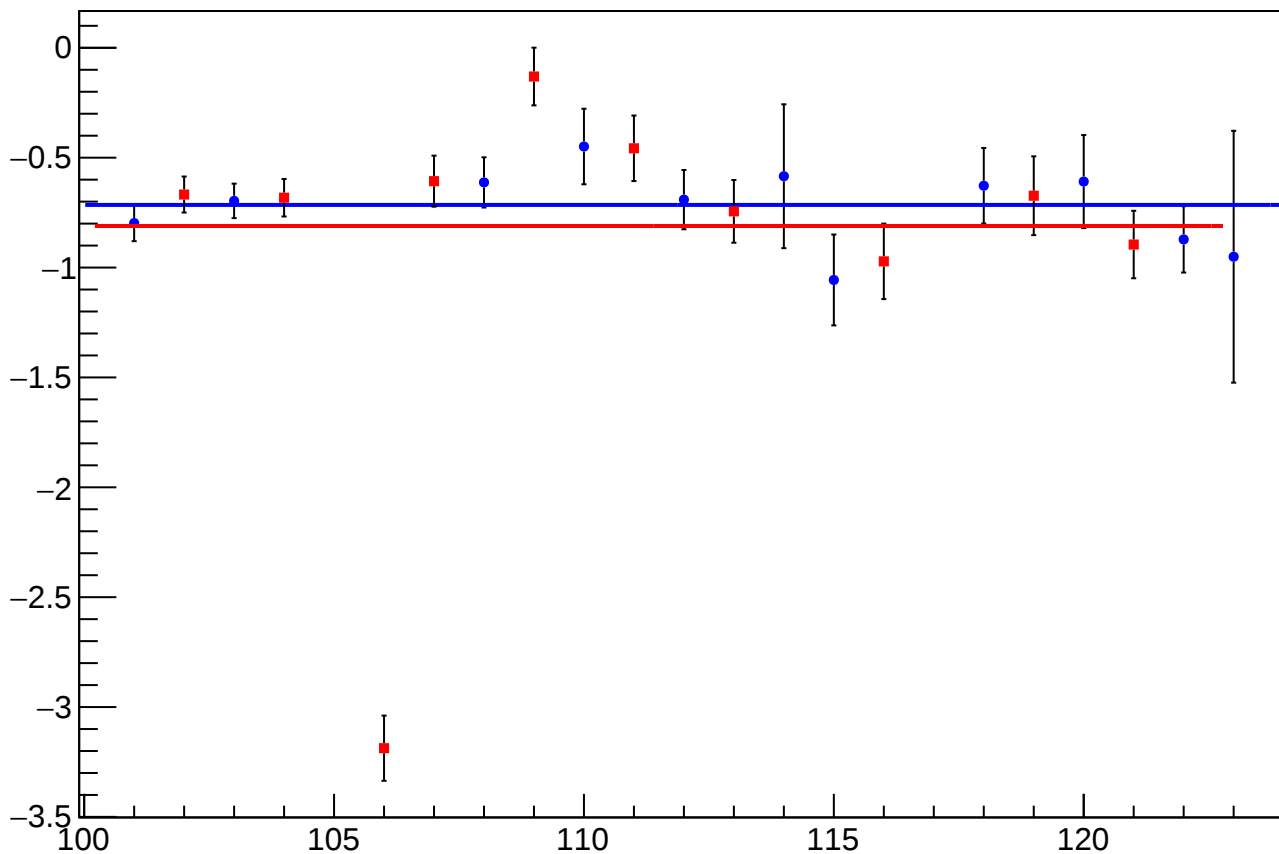
Right: -15.886 $\pm$ 0.534  $\chi^2$ /NDF: 698.0/20

In: -16.724 $\pm$ 0.734  $\chi^2$ /NDF:400.5/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -15.886 $\pm$ 0.534  $\chi^2$ /NDF: 698.0/20

reg\_asym\_sam\_24\_68\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.715+/-0.040  $\chi^2/\text{NDF}$ : 8.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.811+/-0.039  $\chi^2/\text{NDF}$ : 299.5/9

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

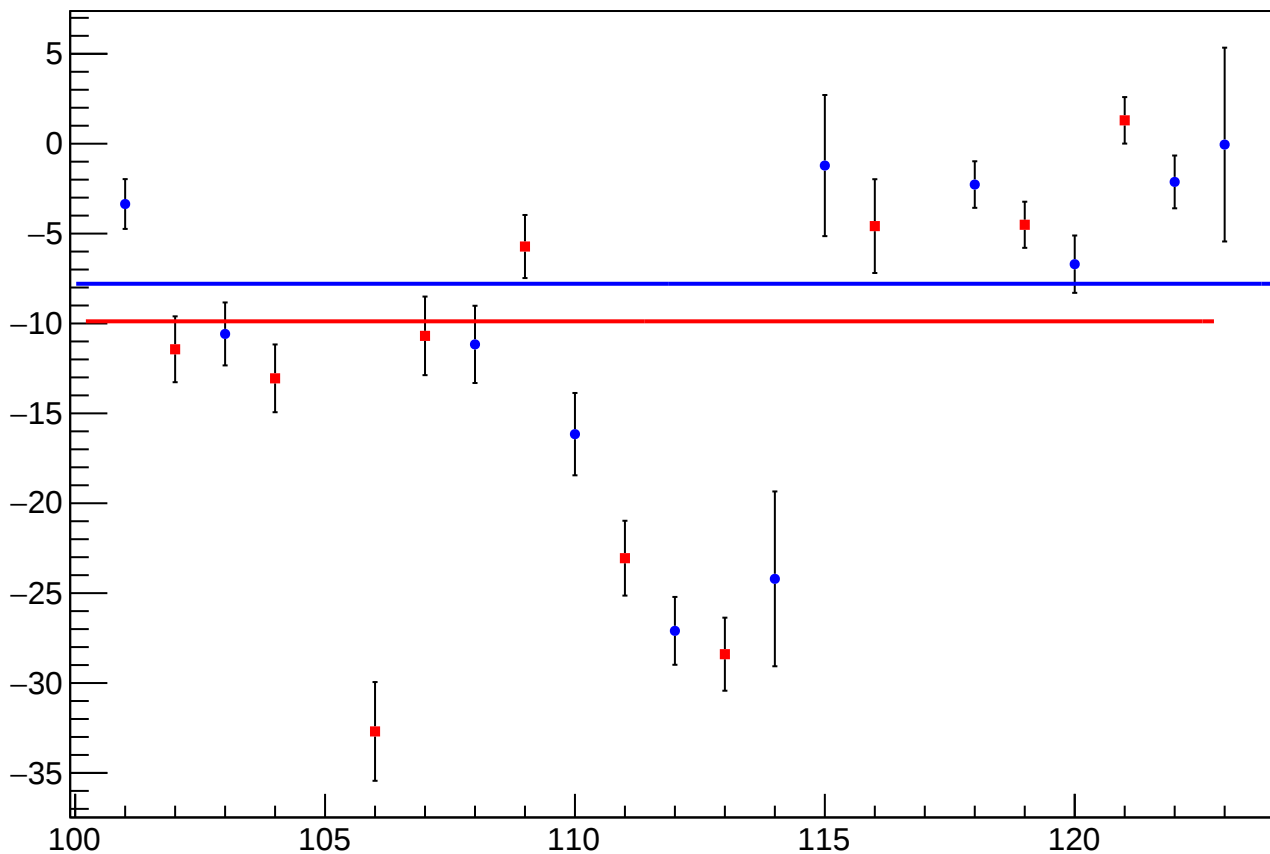
Right: -0.765+/-0.028  $\chi^2/\text{NDF}$ : 311.4/20

In: -0.715+/-0.040  $\chi^2/\text{NDF}$ : 8.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.765+/-0.028  $\chi^2/\text{NDF}$ : 311.4/20

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-7.791 \pm 0.565$   $\chi^2/\text{NDF}$ : 183.1/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-9.880 \pm 0.571$   $\chi^2/\text{NDF}$ : 297.8/9

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

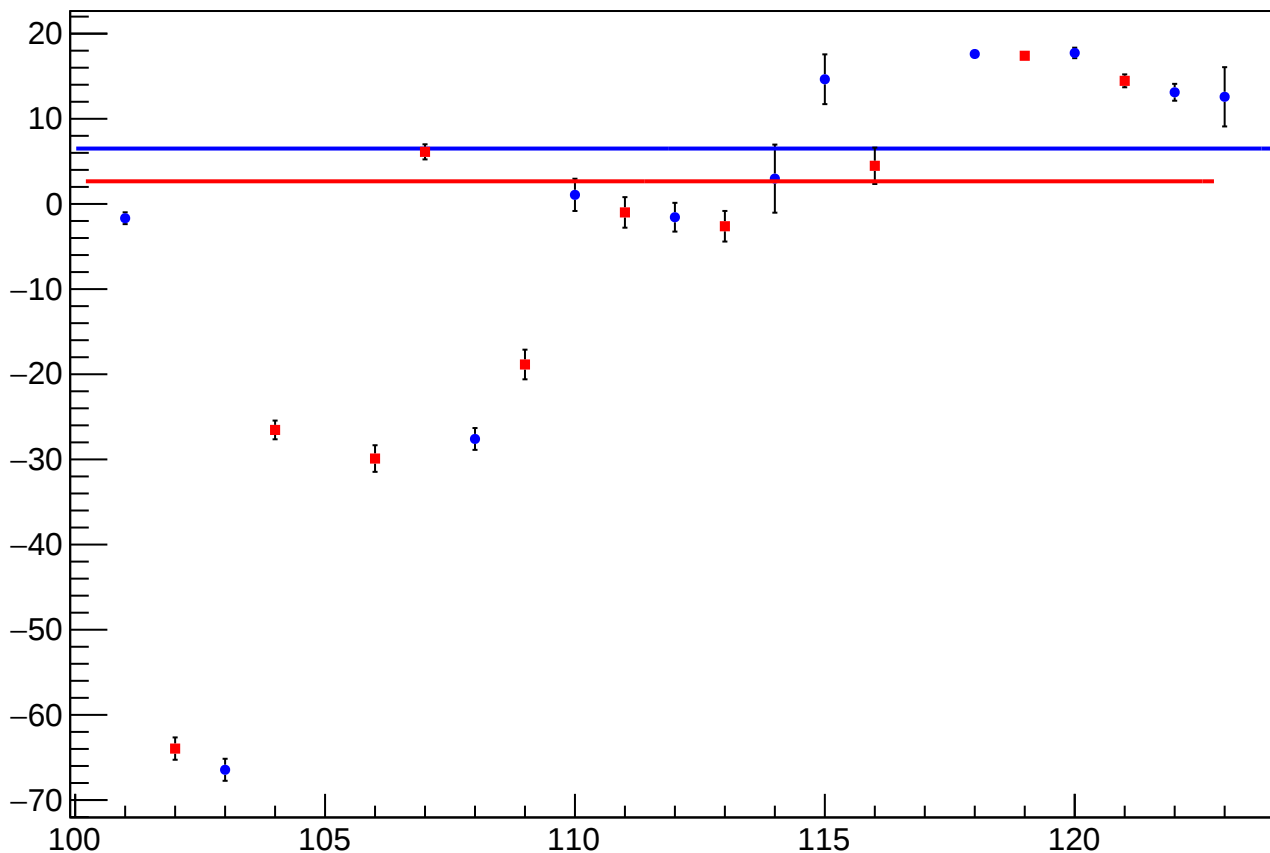
Right:  $-8.826 \pm 0.402$   $\chi^2/\text{NDF}$ : 487.6/20

In:  $-7.791 \pm 0.565$   $\chi^2/\text{NDF}$ : 183.1/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-8.826 \pm 0.402$   $\chi^2/\text{NDF}$ : 487.6/20

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.506 $\pm$ 0.287  $\chi^2$ /NDF: 4982.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.659 $\pm$ 0.314  $\chi^2$ /NDF: 5041.2/9

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

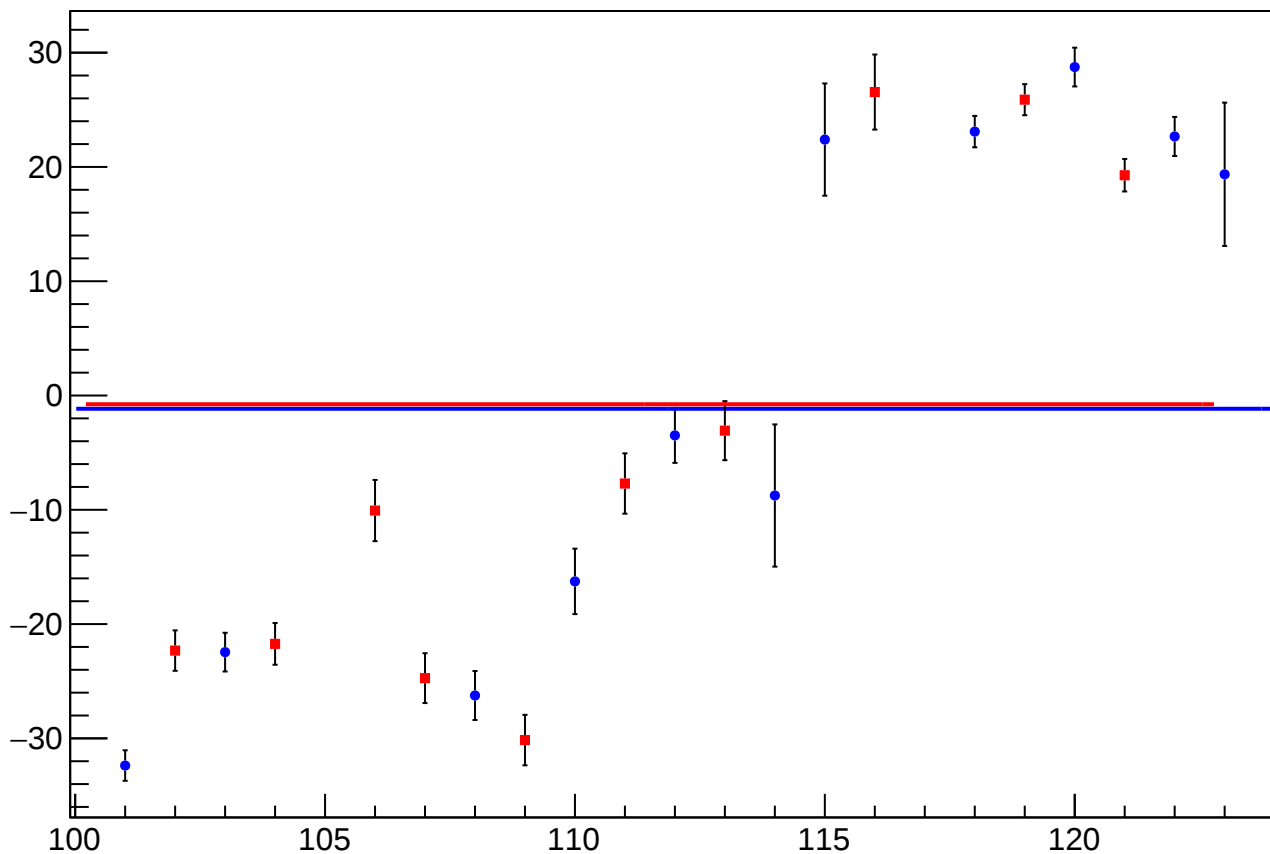
Right: 4.758 $\pm$ 0.212  $\chi^2$ /NDF: 10105.8/20

In: 6.506 $\pm$ 0.287  $\chi^2$ /NDF:4982.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 4.758 $\pm$ 0.212  $\chi^2$ /NDF: 10105.8/20

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.160+/-0.605  $\chi^2/\text{NDF}$ : 1721.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.764+/-0.621  $\chi^2/\text{NDF}$ : 1250.3/9

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

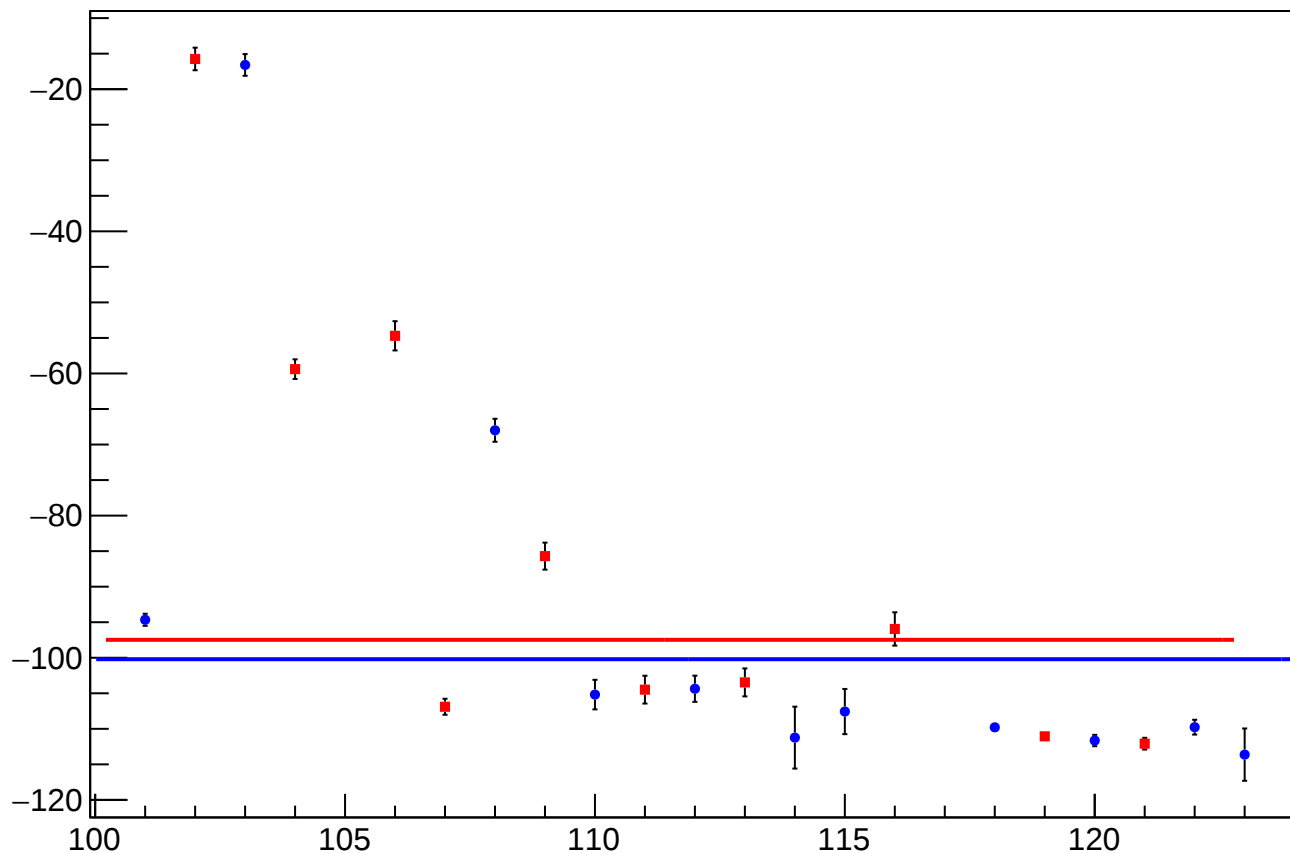
Right: -0.967+/-0.433  $\chi^2/\text{NDF}$ : 2972.4/20

In: -1.160+/-0.605  $\chi^2/\text{NDF}$ : 1721.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.967+/-0.433  $\chi^2/\text{NDF}$ : 2972.4/20

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -100.205+/-0.354  $\chi^2/\text{NDF}$ : 3998.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -97.475+/-0.381  $\chi^2/\text{NDF}$ : 4746.7/9

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

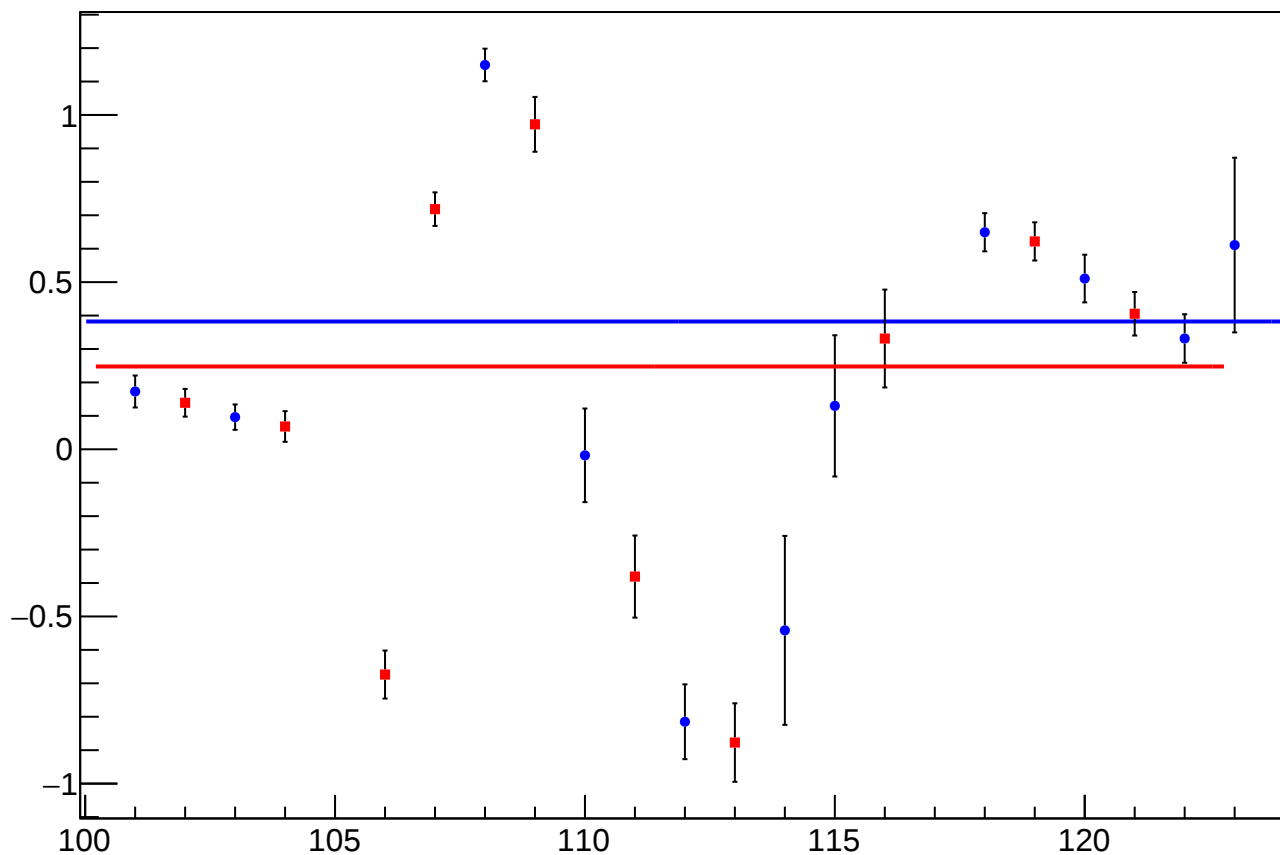
Right: -98.941+/-0.259  $\chi^2/\text{NDF}$ : 8772.8/20

In: -100.205+/-0.354  $\chi^2/\text{NDF}$ :3998.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -98.941+/-0.259  $\chi^2/\text{NDF}$ : 8772.8/20

reg\_asym\_sam\_26\_48\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.382 $\pm$ 0.020  $\chi^2$ /NDF: 484.7/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.248 $\pm$ 0.020  $\chi^2$ /NDF: 519.7/9

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

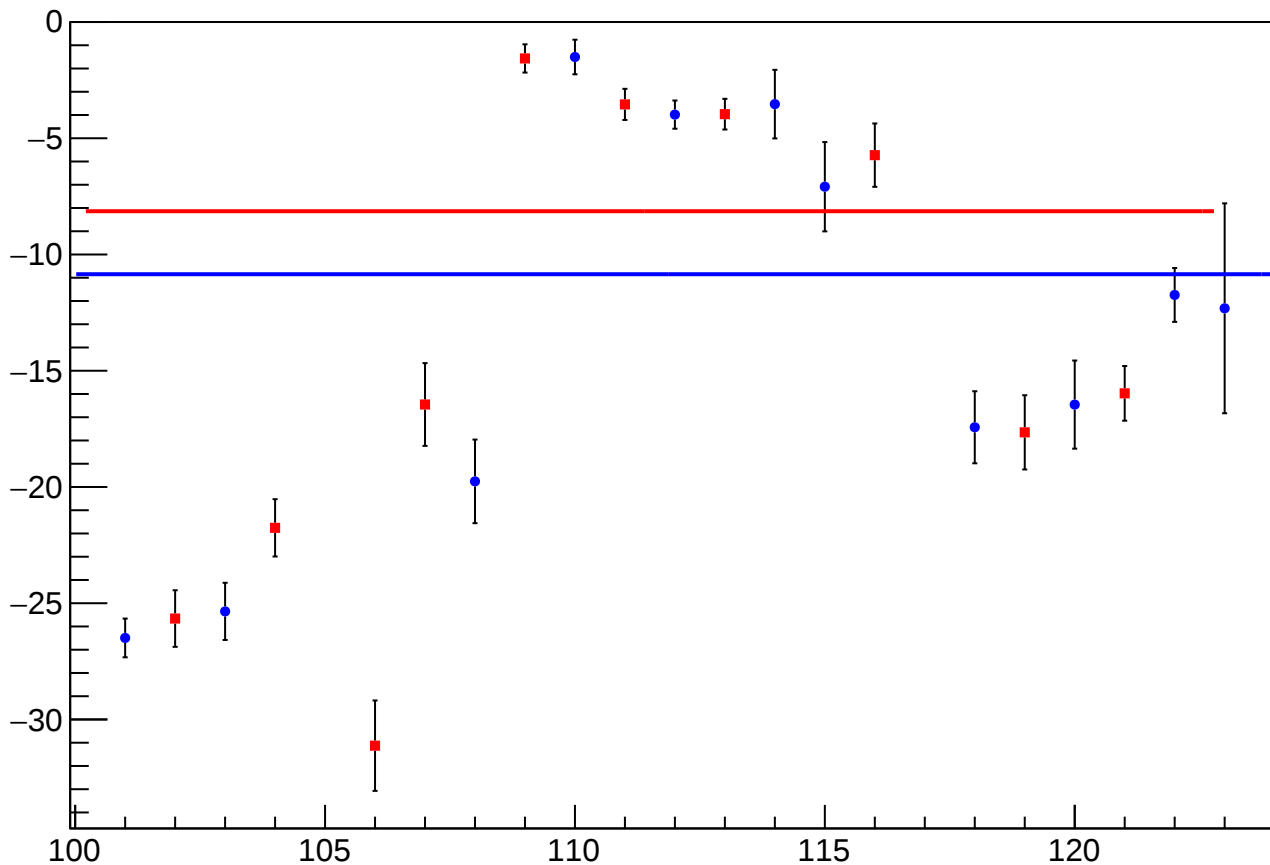
Right: 0.314 $\pm$ 0.014  $\chi^2$ /NDF: 1026.9/20

In: 0.382 $\pm$ 0.020  $\chi^2$ /NDF:484.7/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.314 $\pm$ 0.014  $\chi^2$ /NDF: 1026.9/20

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -10.848 $\pm$ 0.330  $\chi^2$ /NDF: 858.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -8.138 $\pm$ 0.304  $\chi^2$ /NDF: 777.4/9

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

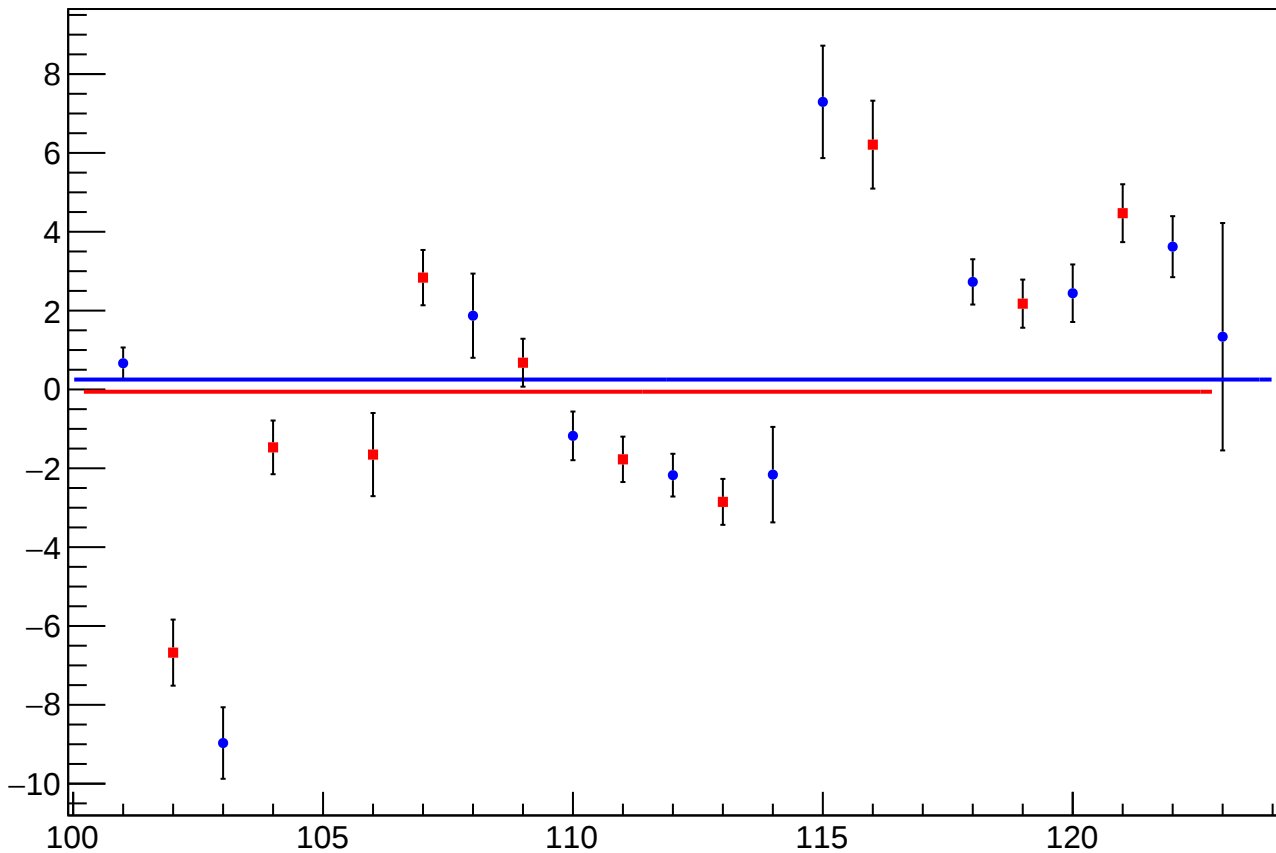
Right: -9.382 $\pm$ 0.224  $\chi^2$ /NDF: 1671.8/20

In: -10.848 $\pm$ 0.330  $\chi^2$ /NDF:858.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -9.382 $\pm$ 0.224  $\chi^2$ /NDF: 1671.8/20

reg\_asym\_sam\_1357\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.251+/-0.212  $\chi^2/\text{NDF}$ : 207.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.058+/-0.221  $\chi^2/\text{NDF}$ : 202.3/9

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

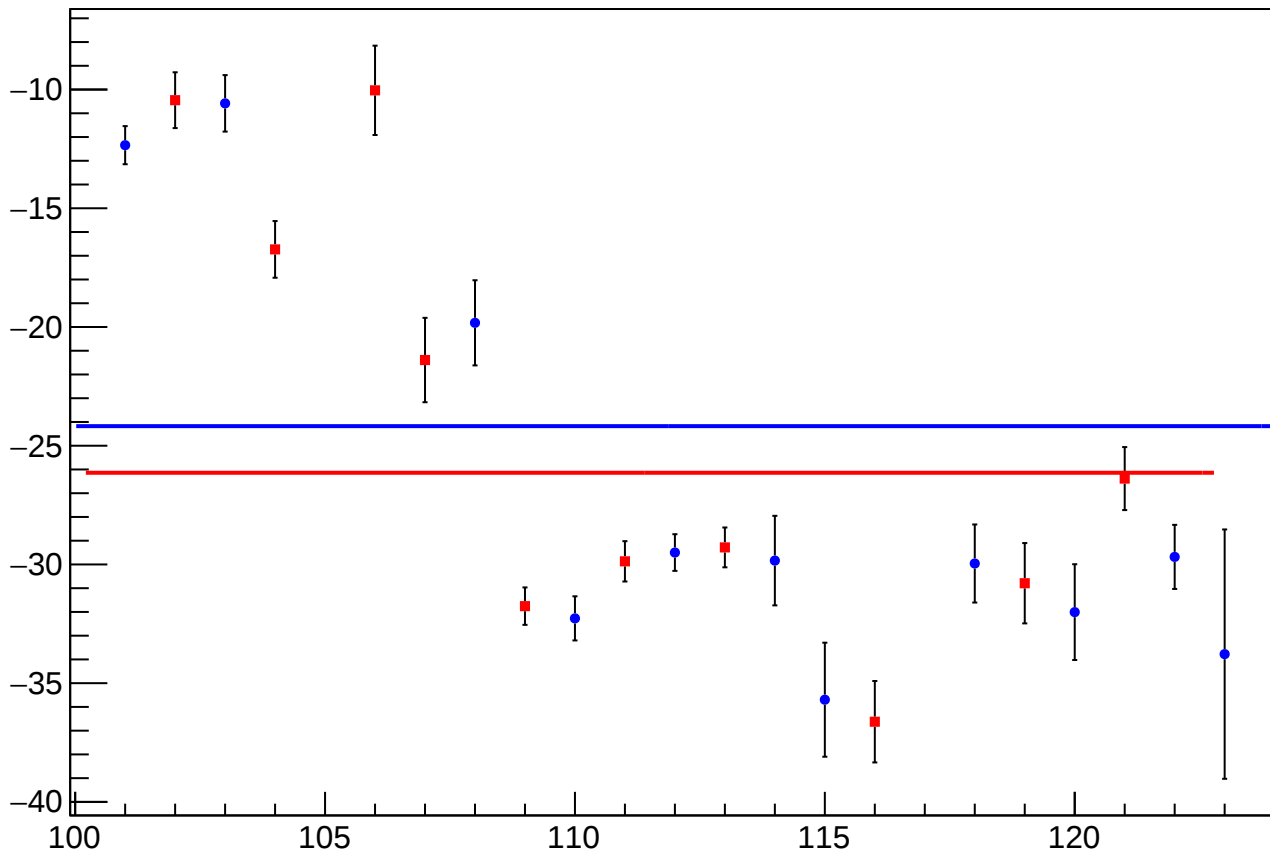
Right: 0.103+/-0.153  $\chi^2/\text{NDF}$ : 410.4/20

In: 0.251+/-0.212  $\chi^2/\text{NDF}$ : 207.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.103+/-0.153  $\chi^2/\text{NDF}$ : 410.4/20

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -24.176+/-0.376  $\chi^2/\text{NDF}$ : 556.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -26.138+/-0.360  $\chi^2/\text{NDF}$ : 449.9/9

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

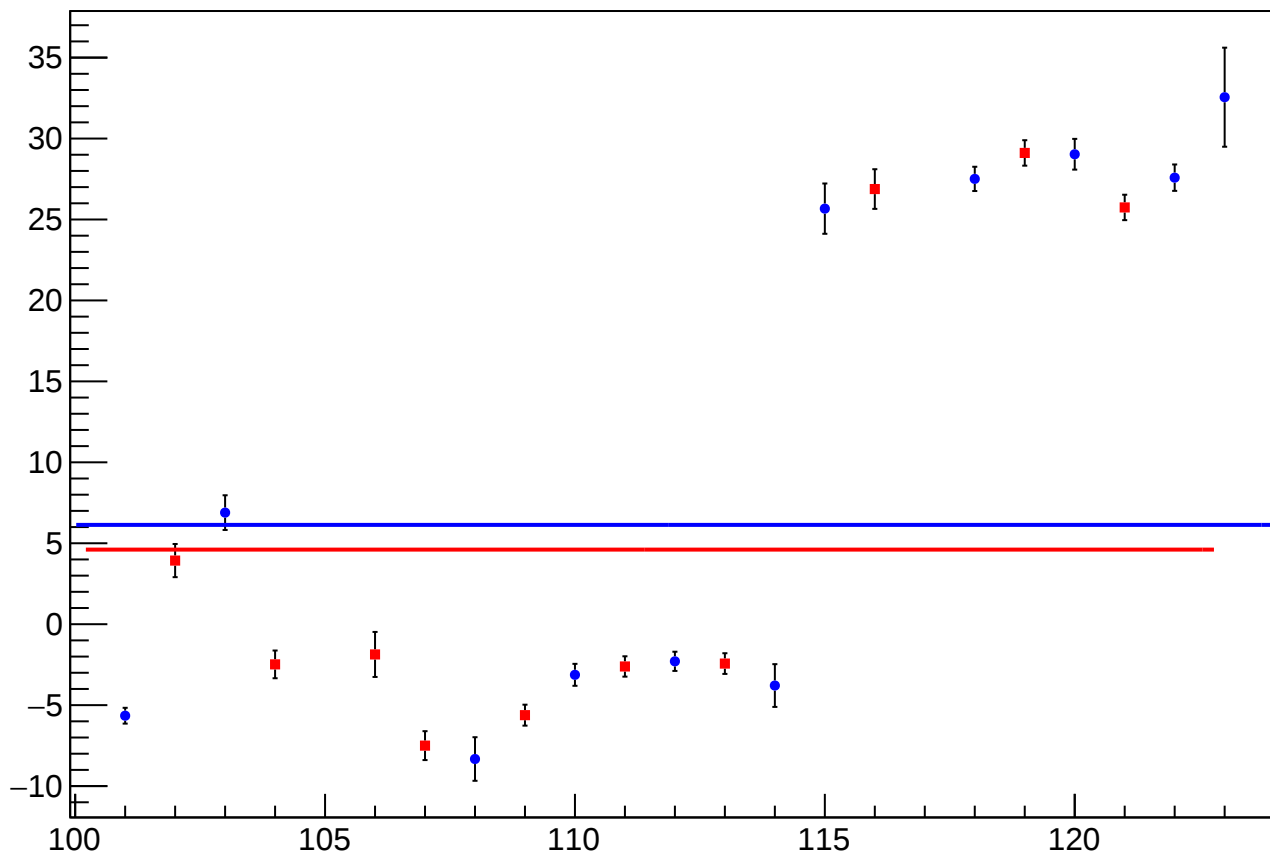
Right: -25.199+/-0.260  $\chi^2/\text{NDF}$ : 1020.8/20

In: -24.176+/-0.376  $\chi^2/\text{NDF}$ : 556.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -25.199+/-0.260  $\chi^2/\text{NDF}$ : 1020.8/20

reg\_asym\_sam\_1357\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 6.135+/-0.249  $\chi^2/\text{NDF}$ : 3464.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.608+/-0.255  $\chi^2/\text{NDF}$ : 2804.2/9

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

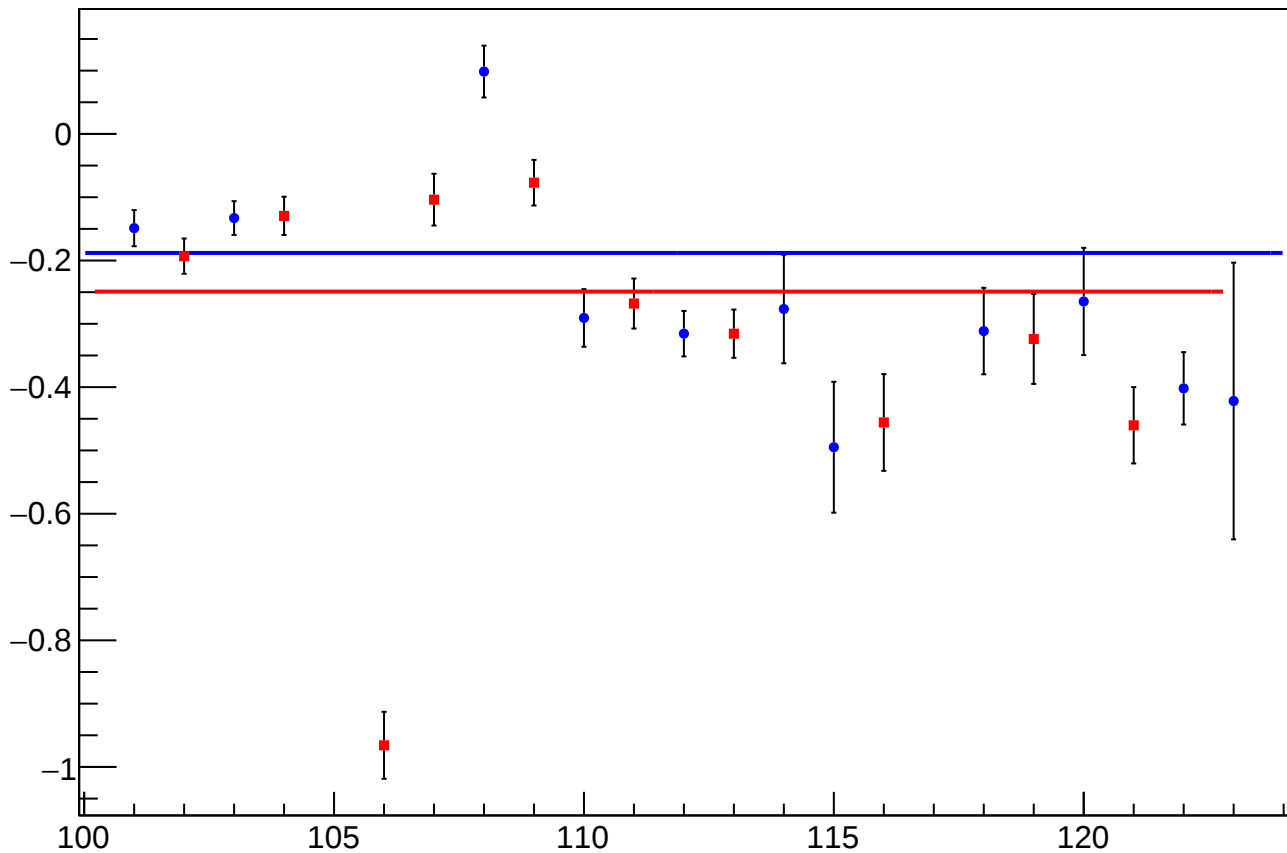
Right: 5.390+/-0.178  $\chi^2/\text{NDF}$ : 6286.6/20

In: 6.135+/-0.249  $\chi^2/\text{NDF}$ : 3464.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.390+/-0.178  $\chi^2/\text{NDF}$ : 6286.6/20

reg\_asym\_sam\_1357\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.188+/-0.014  $\chi^2/\text{NDF}$ : 102.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.249+/-0.013  $\chi^2/\text{NDF}$ : 262.7/9

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

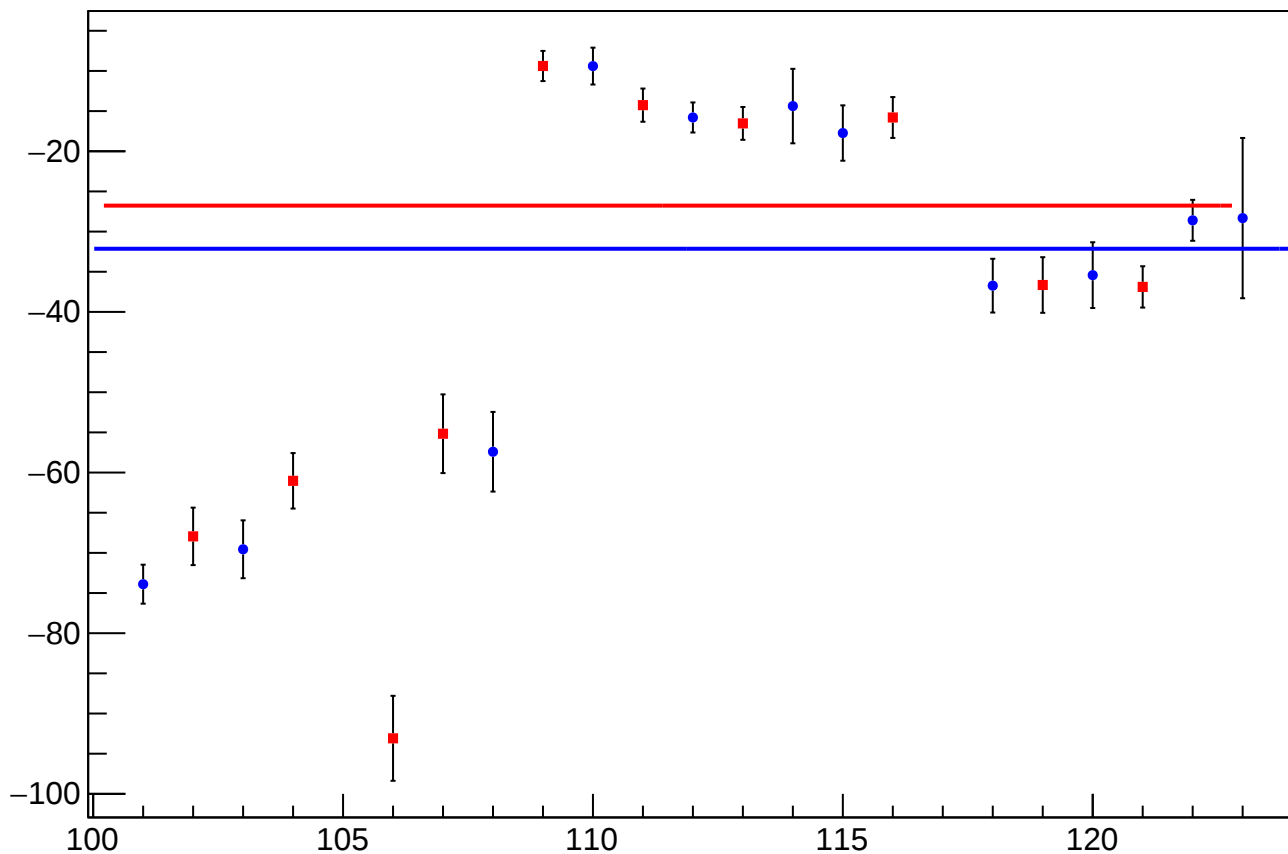
Right: -0.220+/-0.009  $\chi^2/\text{NDF}$ : 375.3/20

In: -0.188+/-0.014  $\chi^2/\text{NDF}$ : 102.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.220+/-0.009  $\chi^2/\text{NDF}$ : 375.3/20

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -32.137+/-0.910  $\chi^2/\text{NDF}$ : 641.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -26.766+/-0.850  $\chi^2/\text{NDF}$ : 611.4/9

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

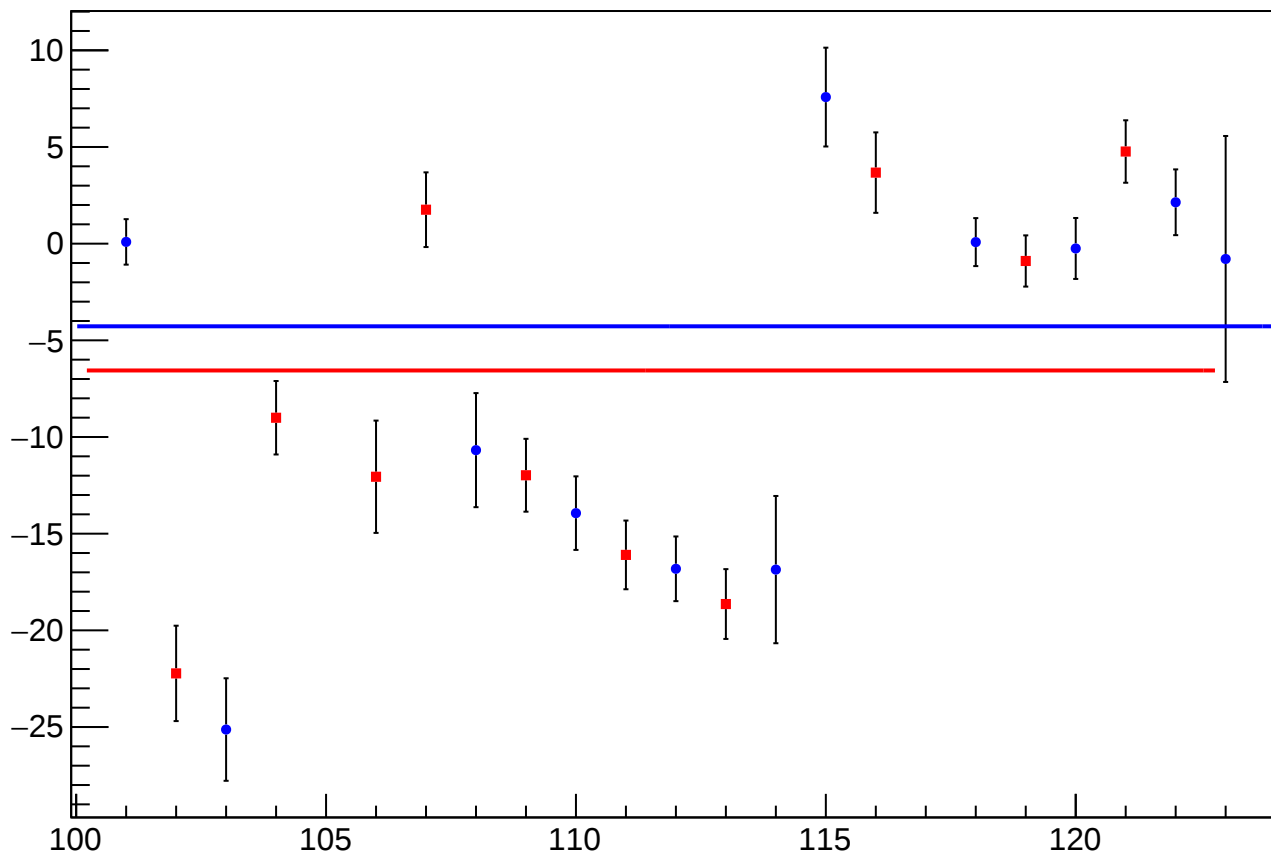
Right: -29.266+/-0.621  $\chi^2/\text{NDF}$ : 1271.1/20

In: -32.137+/-0.910  $\chi^2/\text{NDF}$ : 641.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -29.266+/-0.621  $\chi^2/\text{NDF}$ : 1271.1/20

reg\_asym\_sam\_2468\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -4.275+/-0.554  $\chi^2/\text{NDF}$ : 228.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -6.559+/-0.585  $\chi^2/\text{NDF}$ : 237.6/9

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

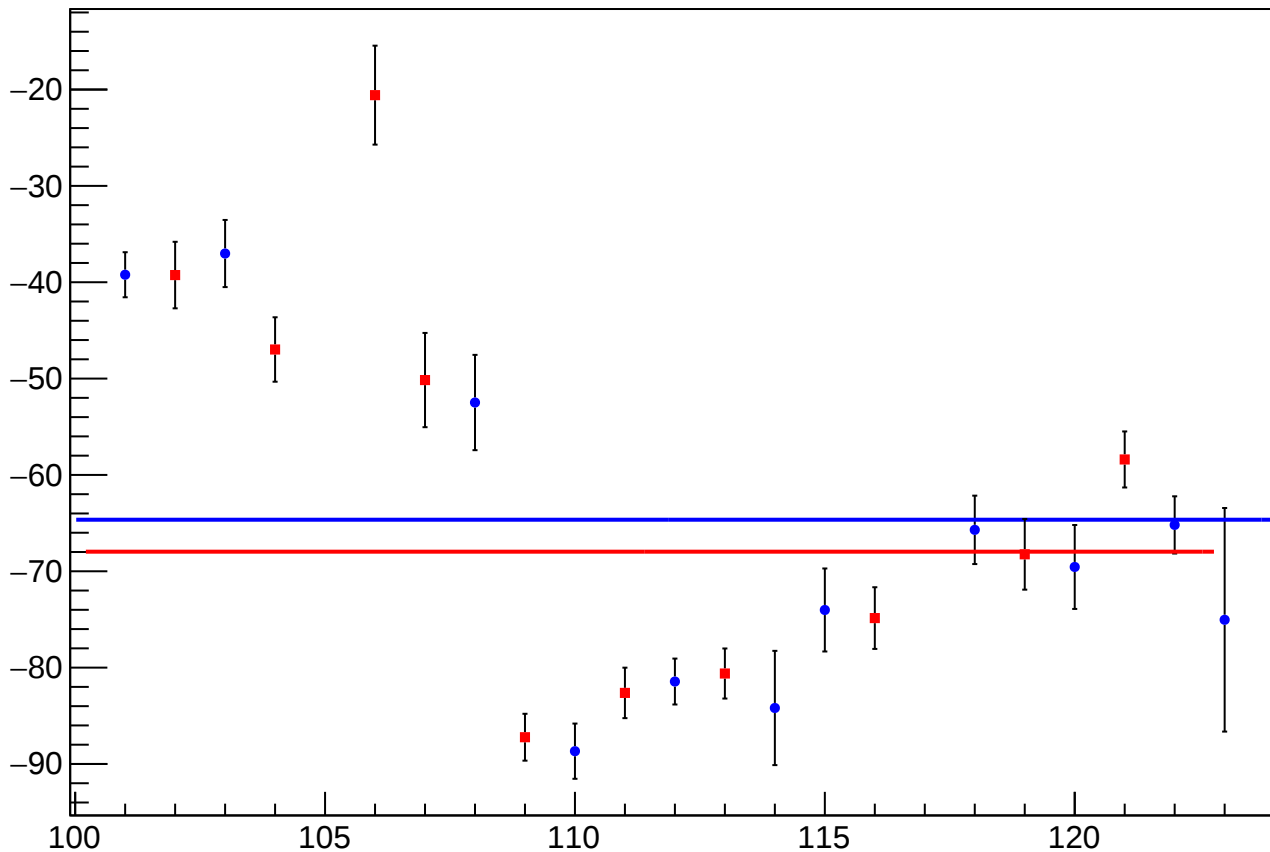
Right: -5.354+/-0.402  $\chi^2/\text{NDF}$ : 473.9/20

In: -4.275+/-0.554  $\chi^2/\text{NDF}$ : 228.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -5.354+/-0.402  $\chi^2/\text{NDF}$ : 473.9/20

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -64.649+/-1.032  $\chi^2/\text{NDF}$ : 324.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -67.966+/-0.997  $\chi^2/\text{NDF}$ : 340.1/9

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

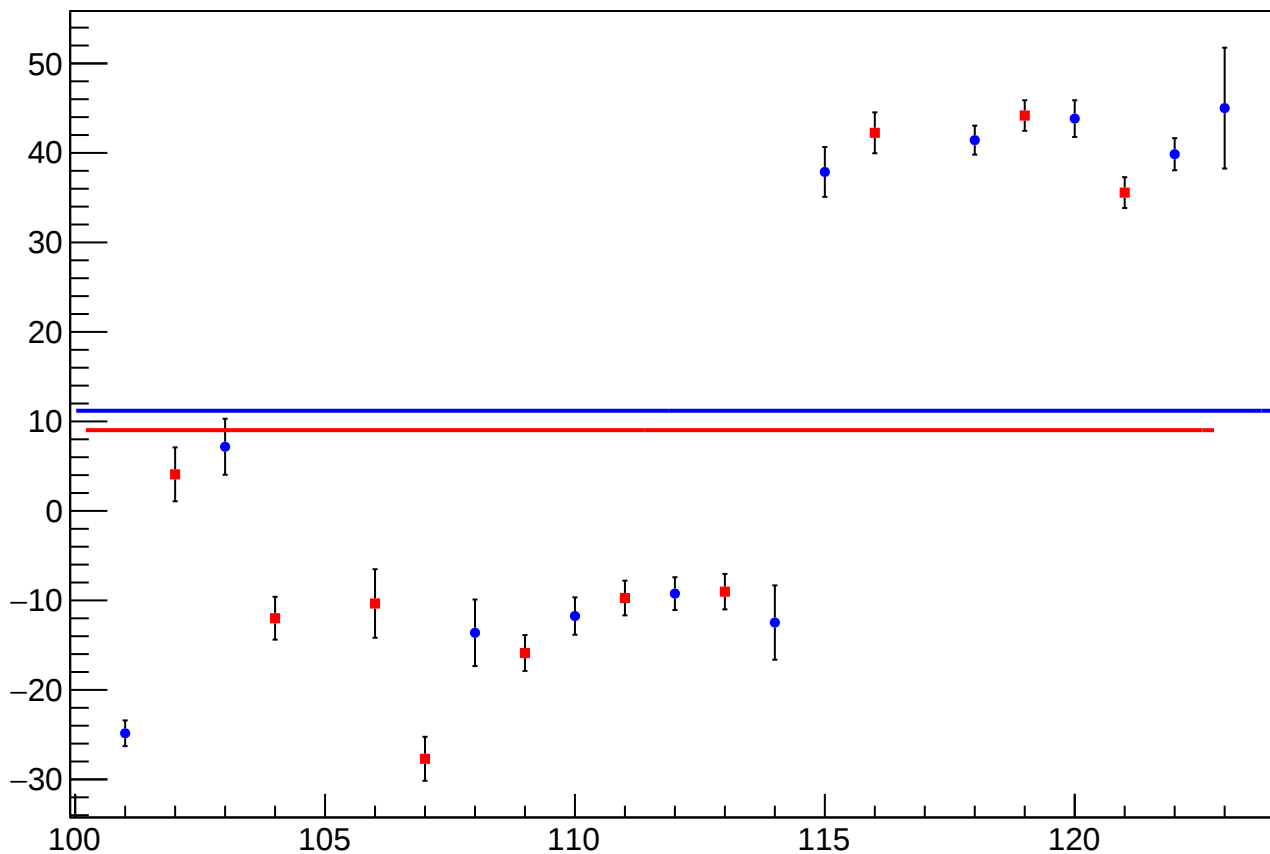
Right: -66.364+/-0.717  $\chi^2/\text{NDF}$ : 670.3/20

In: -64.649+/-1.032  $\chi^2/\text{NDF}$ : 324.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -66.364+/-0.717  $\chi^2/\text{NDF}$ : 670.3/20

reg\_asym\_sam\_2468\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 11.191 $\pm$ 0.656  $\chi^2$ /NDF: 1928.0/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 9.021 $\pm$ 0.680  $\chi^2$ /NDF: 1532.8/9

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

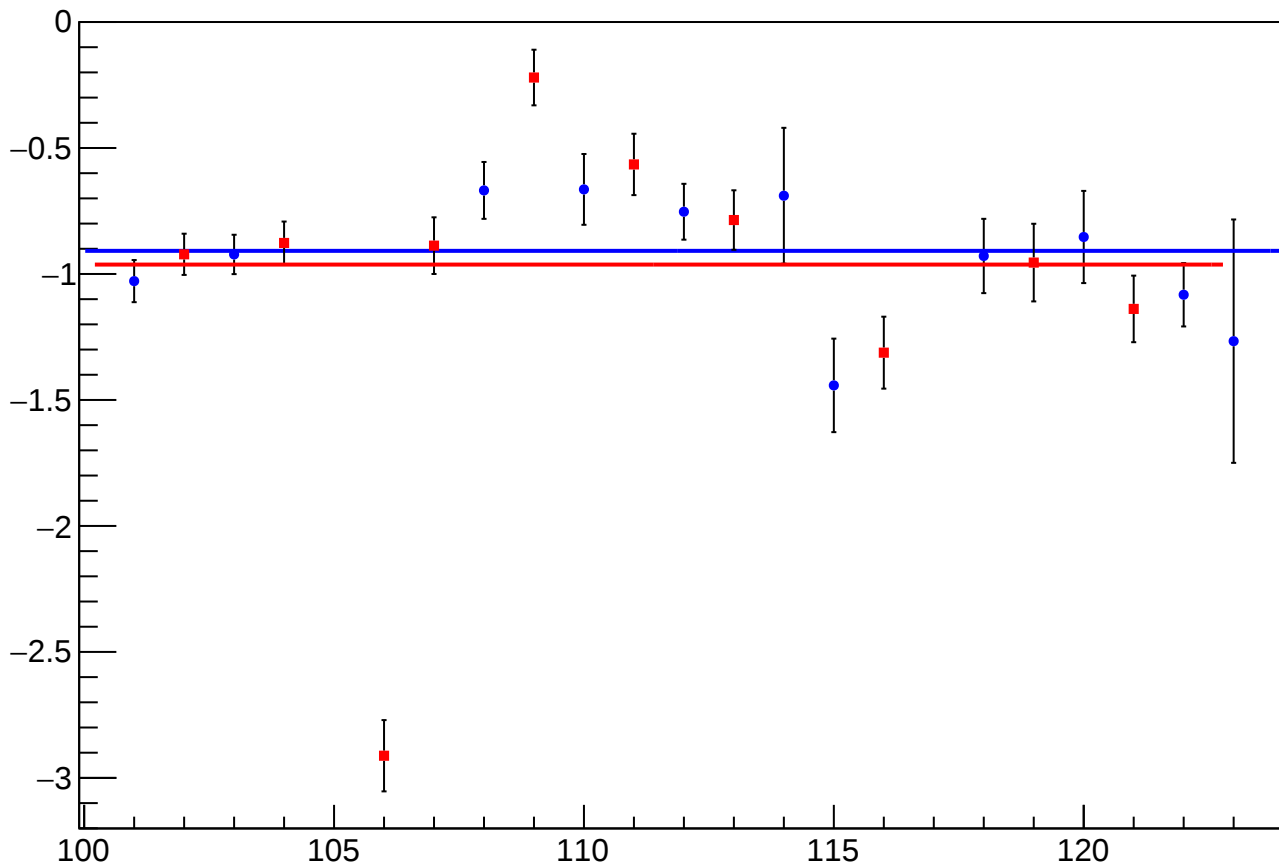
Right: 10.146 $\pm$ 0.472  $\chi^2$ /NDF: 3466.1/20

In: 11.191 $\pm$ 0.656  $\chi^2$ /NDF: 1928.0/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.146 $\pm$ 0.472  $\chi^2$ /NDF: 3466.1/20

reg\_asym\_sam\_2468\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -0.908+/-0.038  $\chi^2/\text{NDF}$ : 23.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.963+/-0.036  $\chi^2/\text{NDF}$ : 257.5/9

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

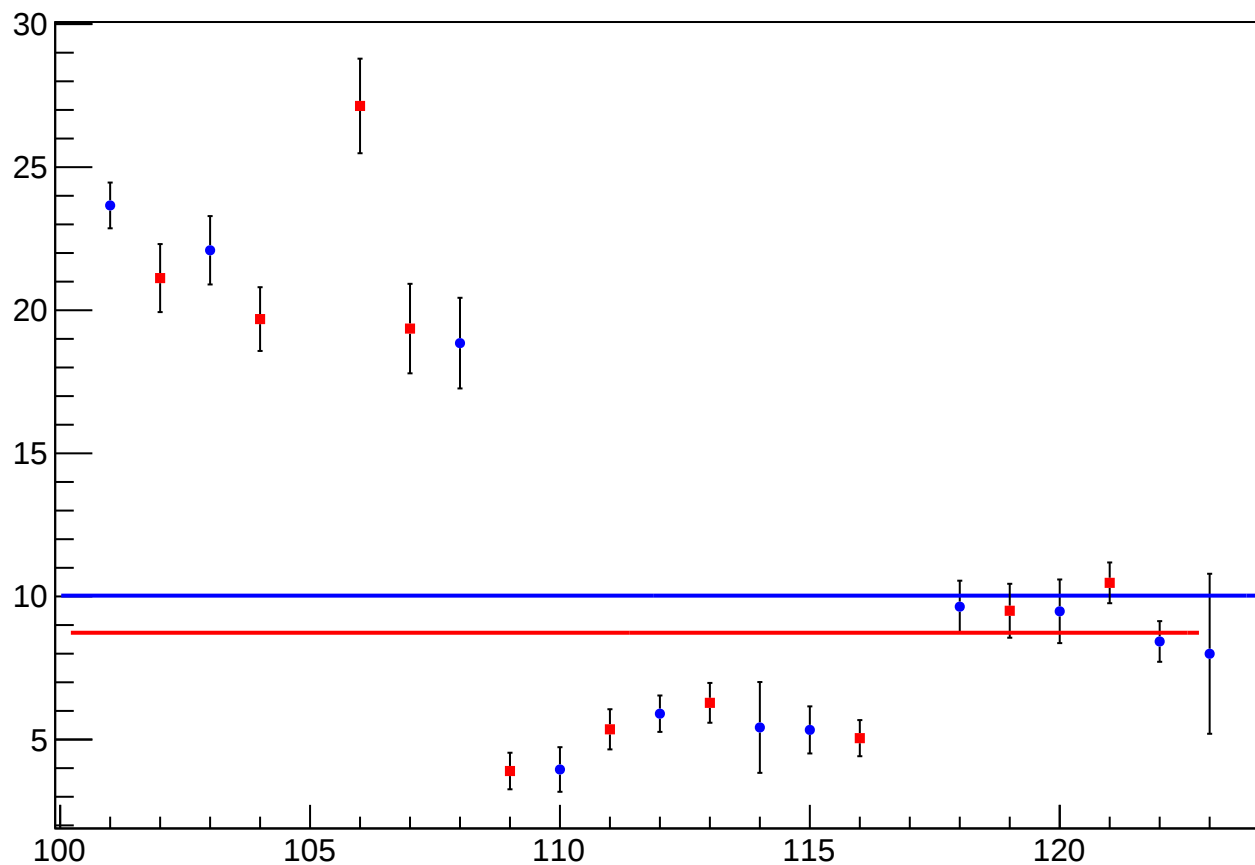
Right: -0.937+/-0.026  $\chi^2/\text{NDF}$ : 281.7/20

In: -0.908+/-0.038  $\chi^2/\text{NDF}$ : 23.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -0.937+/-0.026  $\chi^2/\text{NDF}$ : 281.7/20

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 10.028+/-0.280  $\chi^2/\text{NDF}$ : 573.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.731+/-0.263  $\chi^2/\text{NDF}$ : 509.3/9

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

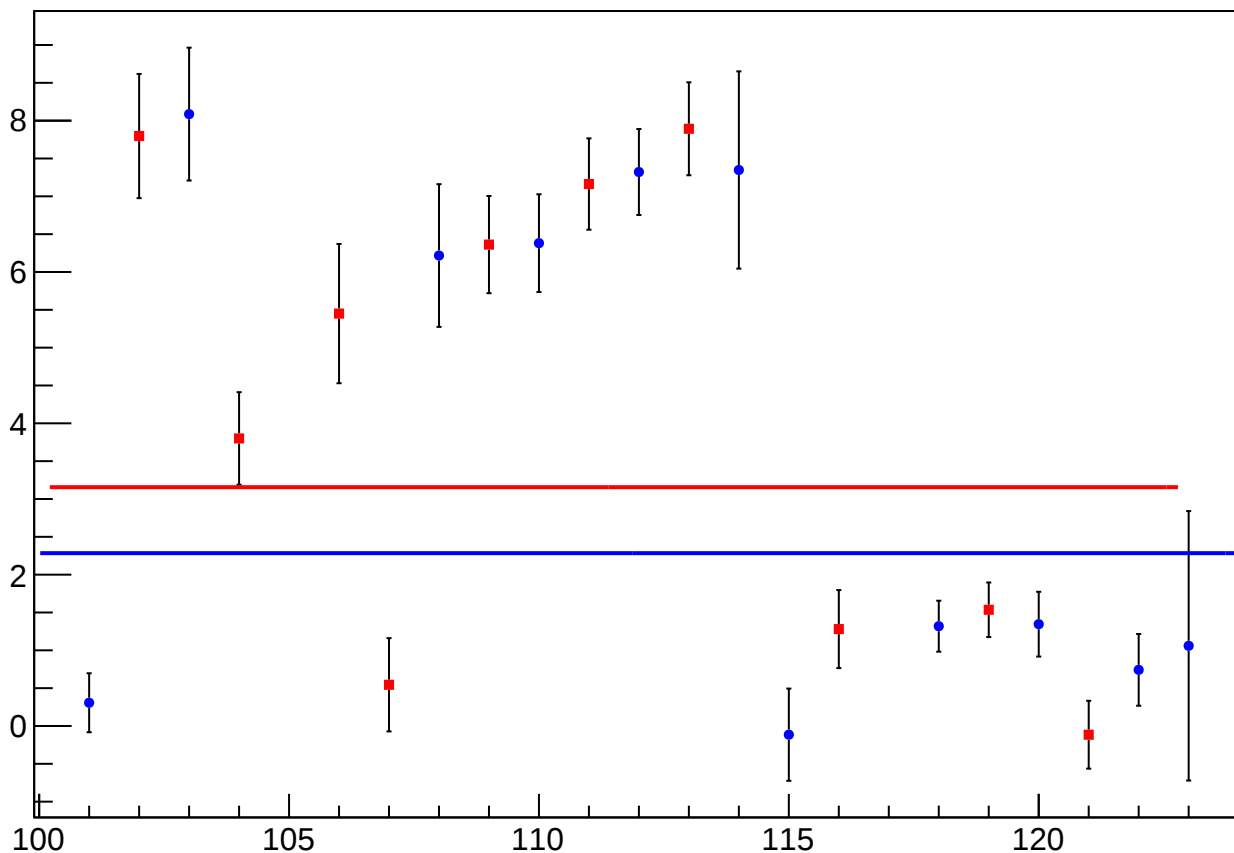
Right: 9.340+/-0.192  $\chi^2/\text{NDF}$ : 1094.5/20

In: 10.028+/-0.280  $\chi^2/\text{NDF}$ : 573.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 9.340+/-0.192  $\chi^2/\text{NDF}$ : 1094.5/20

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 2.284+/-0.165  $\chi^2/\text{NDF}$ : 260.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.156+/-0.176  $\chi^2/\text{NDF}$ : 272.4/9

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

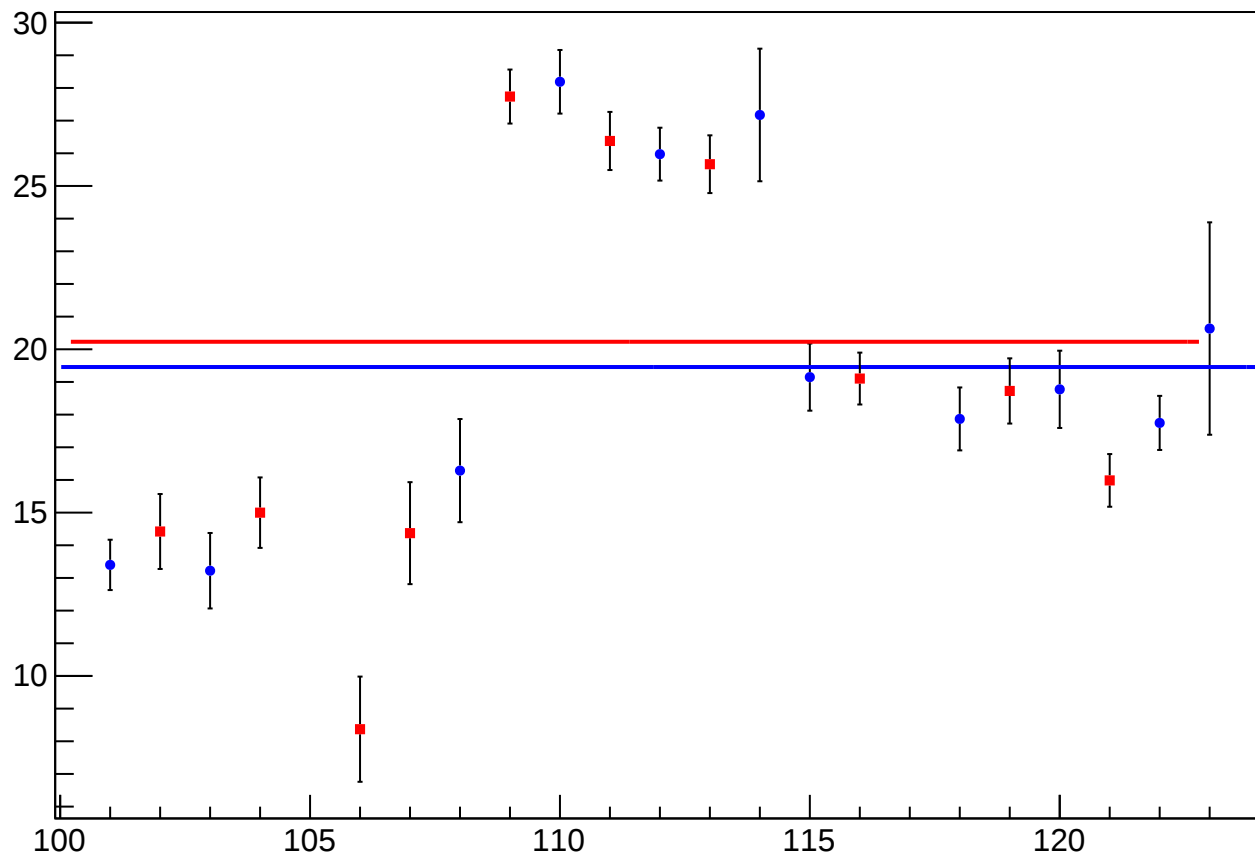
Right: 2.691+/-0.120  $\chi^2/\text{NDF}$ : 545.7/20

In: 2.284+/-0.165  $\chi^2/\text{NDF}$ : 260.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.691+/-0.120  $\chi^2/\text{NDF}$ : 545.7/20

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 19.457+/-0.317  $\chi^2/\text{NDF}$ : 262.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 20.230+/-0.308  $\chi^2/\text{NDF}$ : 317.5/9

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

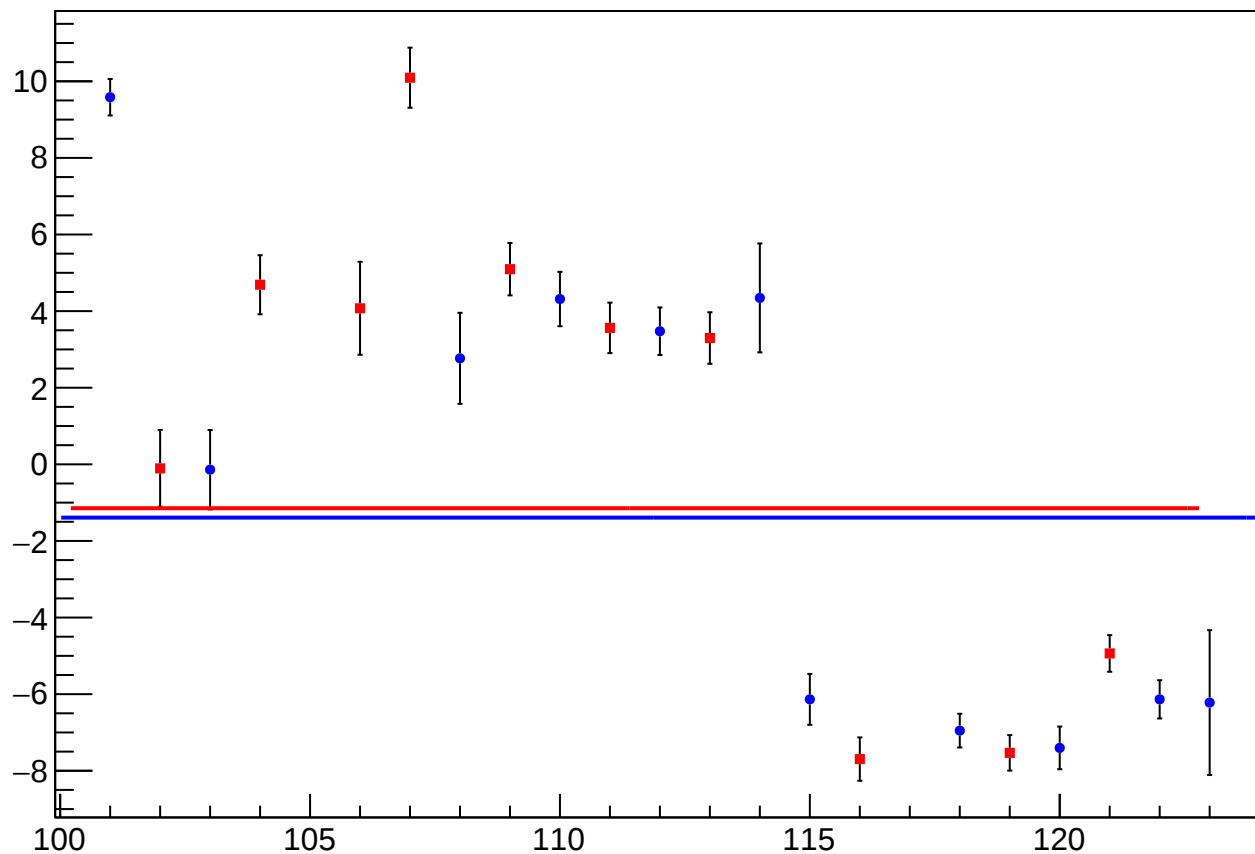
Right: 19.855+/-0.221  $\chi^2/\text{NDF}$ : 582.8/20

In: 19.457+/-0.317  $\chi^2/\text{NDF}$ : 262.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 19.855+/-0.221  $\chi^2/\text{NDF}$ : 582.8/20

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.391+/-0.196  $\chi^2/\text{NDF}$ : 1111.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.146+/-0.205  $\chi^2/\text{NDF}$ : 846.0/9

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

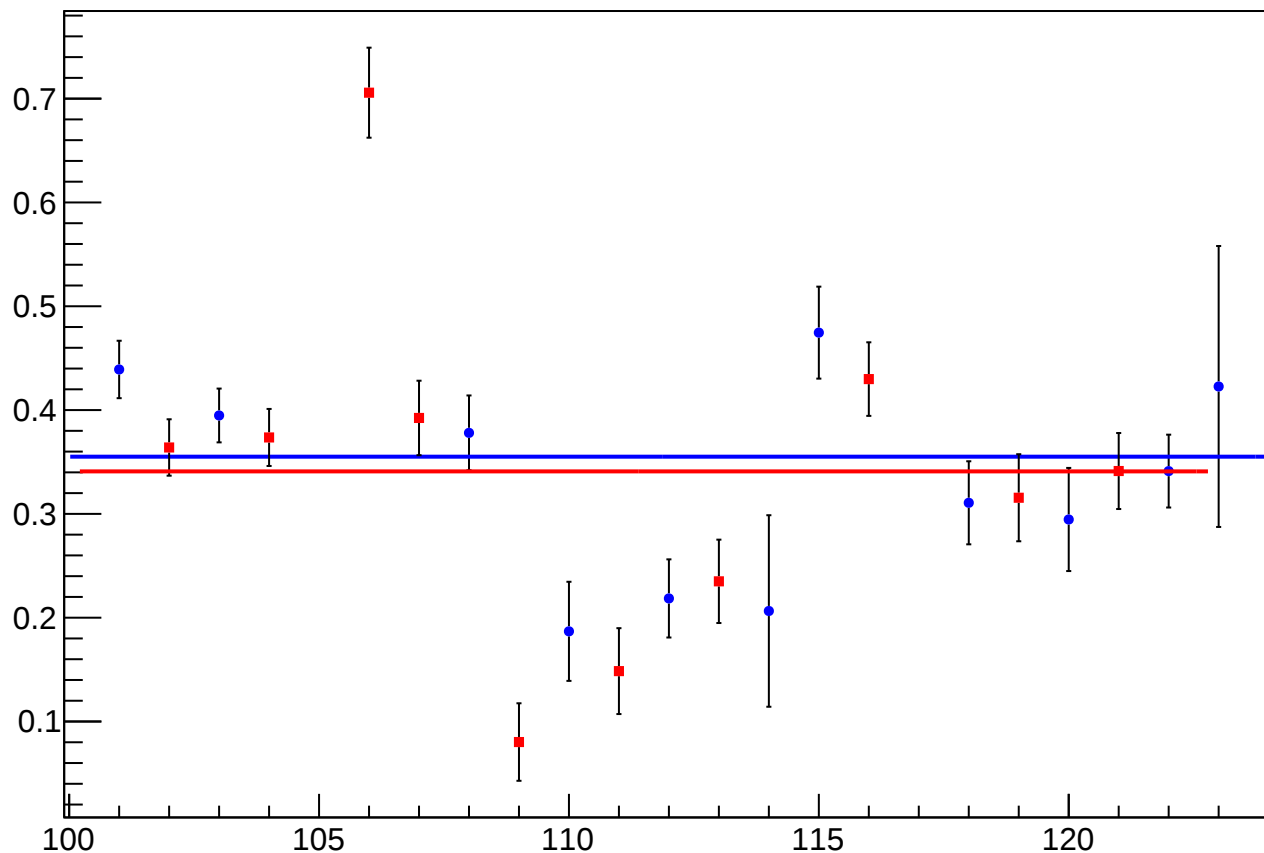
Right: -1.274+/-0.142  $\chi^2/\text{NDF}$ : 1958.3/20

In: -1.391+/-0.196  $\chi^2/\text{NDF}$ : 1111.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.274+/-0.142  $\chi^2/\text{NDF}$ : 1958.3/20

reg\_asym\_sam\_1357\_2468\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.355 $\pm$ 0.012  $\chi^2$ /NDF: 50.6/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.341 $\pm$ 0.011  $\chi^2$ /NDF: 159.0/9

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

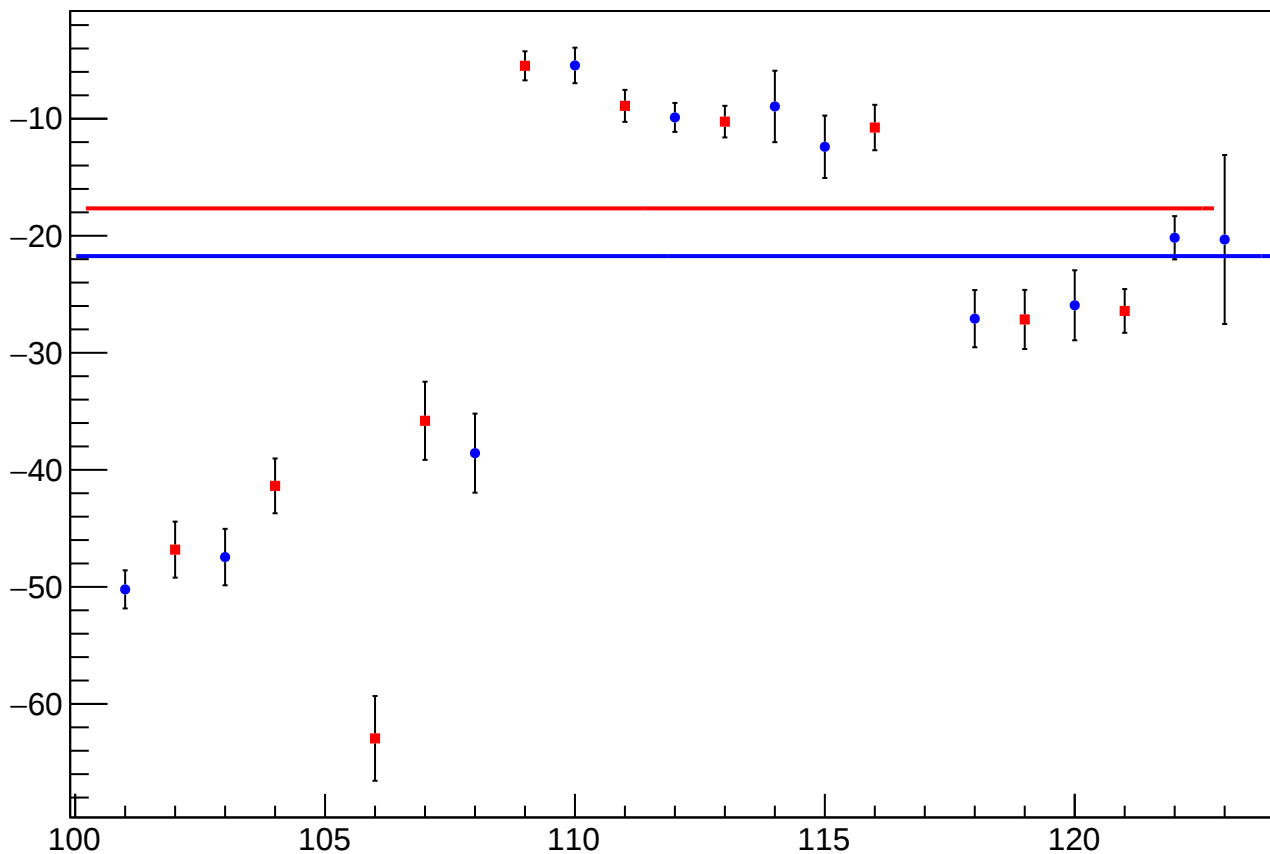
Right: 0.348 $\pm$ 0.008  $\chi^2$ /NDF: 210.3/20

In: 0.355 $\pm$ 0.012  $\chi^2$ /NDF:50.6/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.348 $\pm$ 0.008  $\chi^2$ /NDF: 210.3/20

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -21.740 $\pm$ 0.625  $\chi^2$ /NDF: 688.6/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -17.659 $\pm$ 0.581  $\chi^2$ /NDF: 653.0/9

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

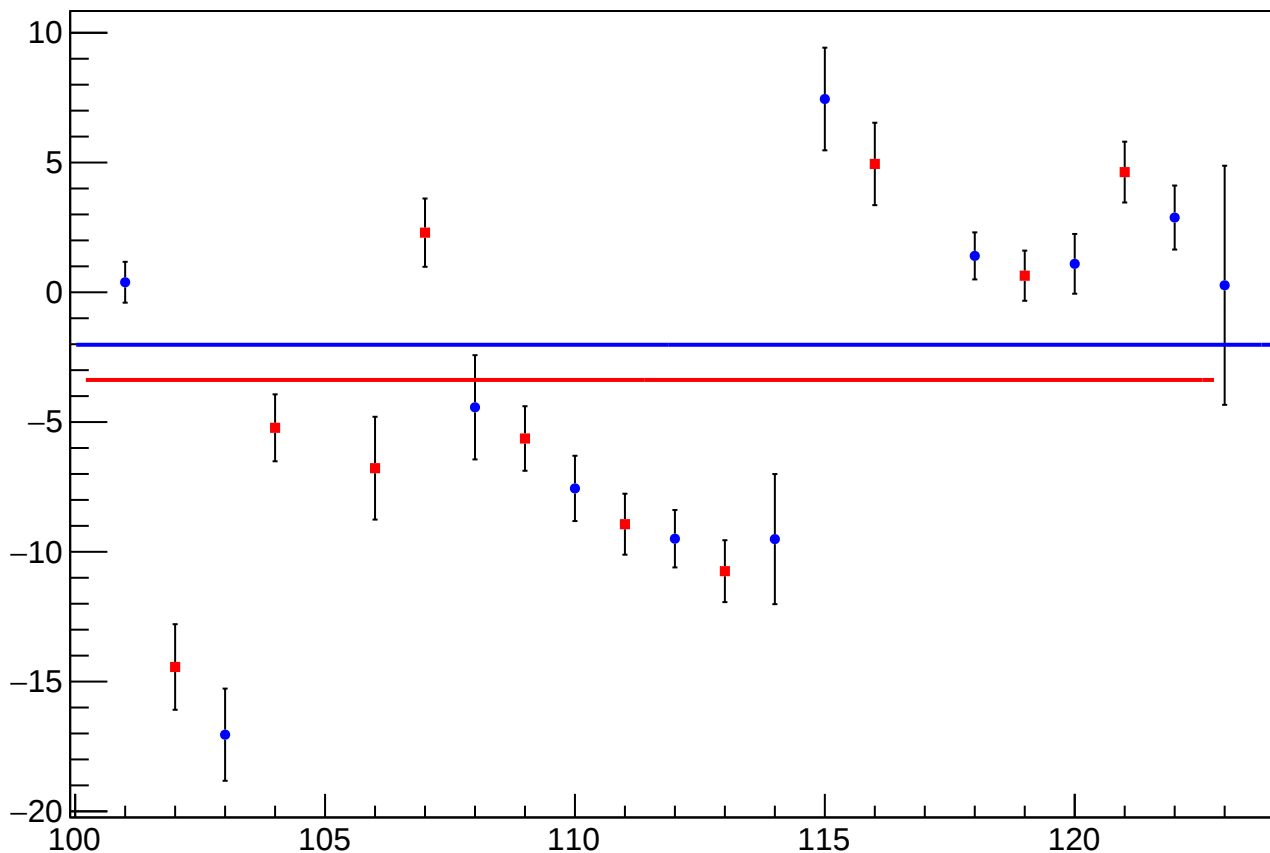
Right: -19.552 $\pm$ 0.425  $\chi^2$ /NDF: 1364.4/20

In: -21.740 $\pm$ 0.625  $\chi^2$ /NDF:688.6/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -19.552 $\pm$ 0.425  $\chi^2$ /NDF: 1364.4/20

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -2.022+/-0.386  $\chi^2$ /NDF: 216.9/10

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -3.377+/-0.406  $\chi^2$ /NDF: 223.9/9

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

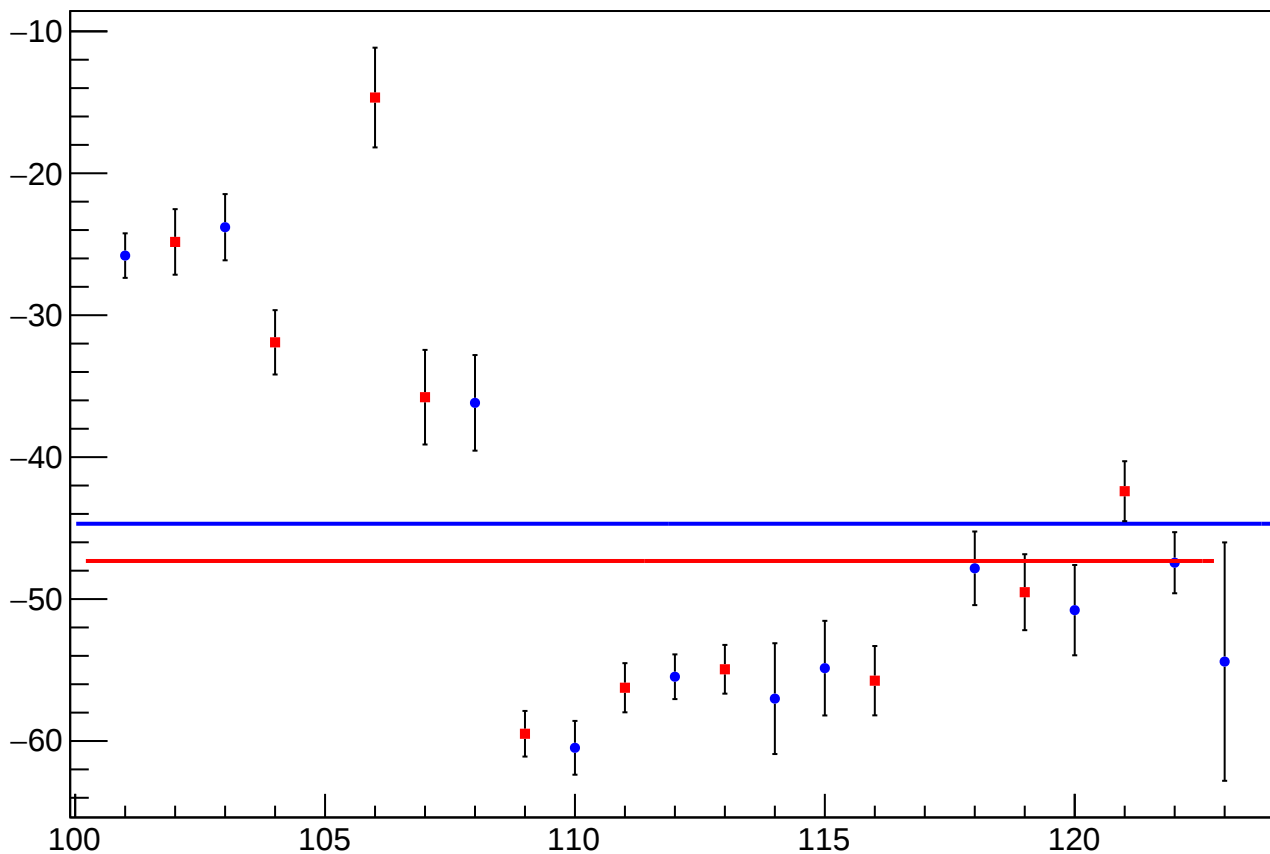
Right: -2.665+/-0.280  $\chi^2$ /NDF: 446.7/20

In: -2.022+/-0.386  $\chi^2$ /NDF:216.9/10

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.665+/-0.280  $\chi^2$ /NDF: 446.7/20

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -44.693 $\pm$ 0.708  $\chi^2$ /NDF: 375.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -47.316 $\pm$ 0.683  $\chi^2$ /NDF: 360.9/9

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

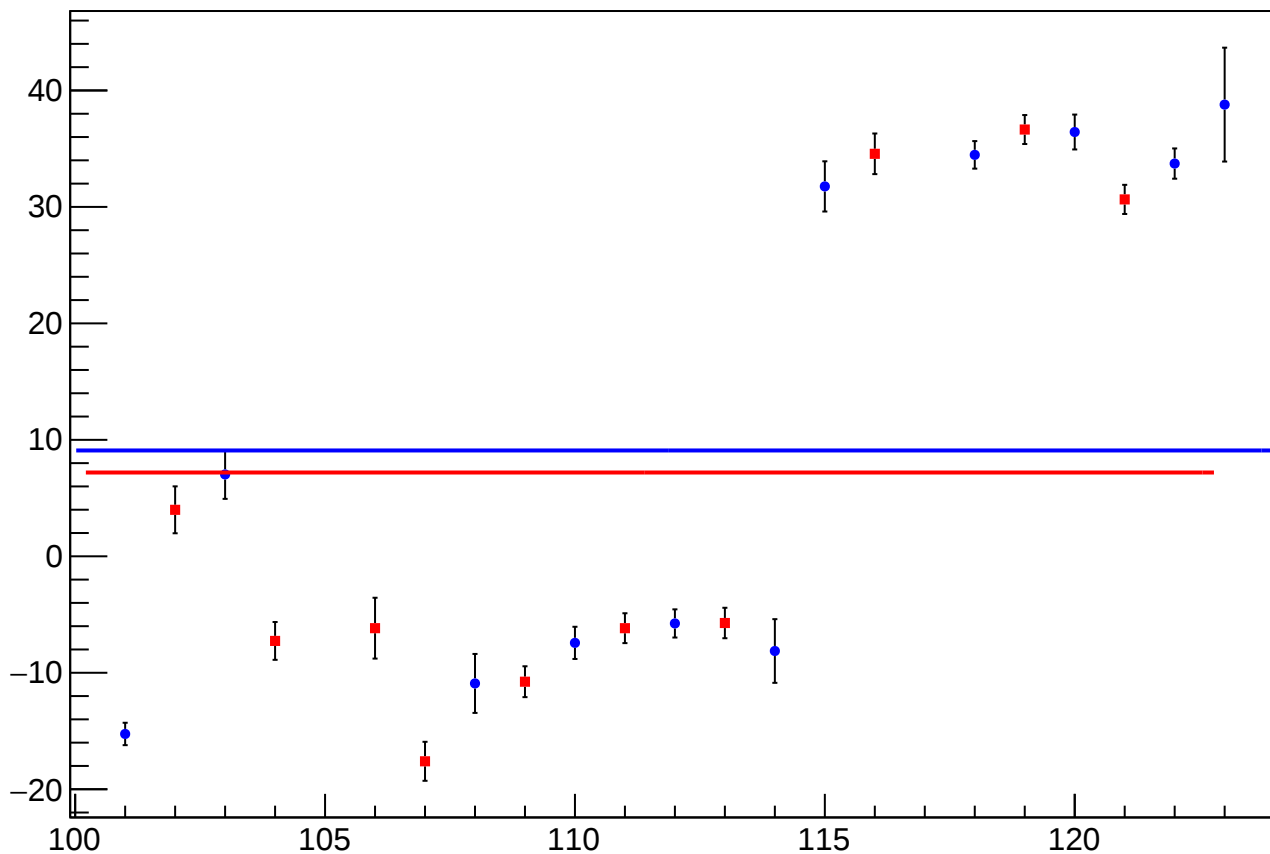
Right: -46.052 $\pm$ 0.492  $\chi^2$ /NDF: 743.2/20

In: -44.693 $\pm$ 0.708  $\chi^2$ /NDF:375.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -46.052 $\pm$ 0.492  $\chi^2$ /NDF: 743.2/20

reg\_asym\_sam\_12345678\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 9.088+/-0.456  $\chi^2/\text{NDF}$ : 2339.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 7.195+/-0.471  $\chi^2/\text{NDF}$ : 1875.3/9

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

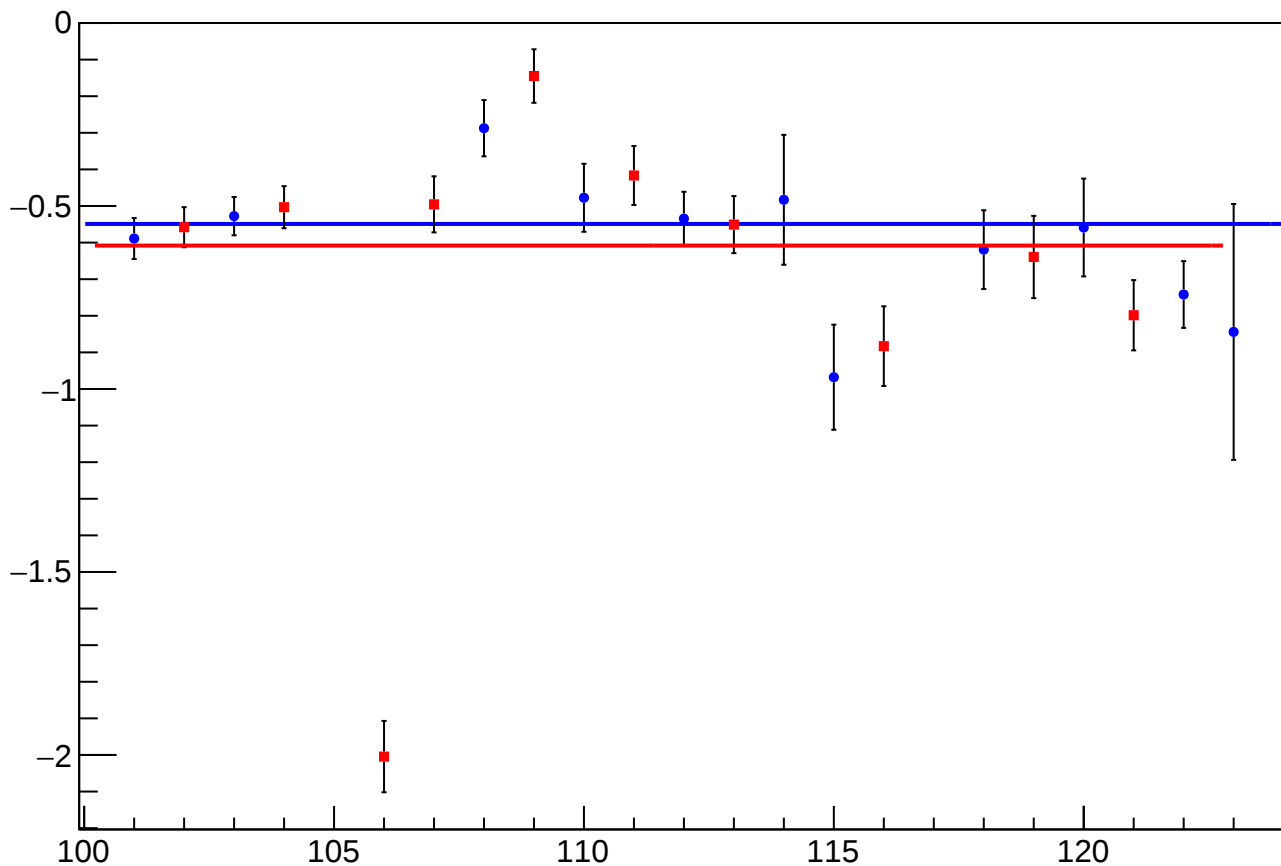
Right: 8.173+/-0.328  $\chi^2/\text{NDF}$ : 4222.7/20

In: 9.088+/-0.456  $\chi^2/\text{NDF}$ : 2339.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.173+/-0.328  $\chi^2/\text{NDF}$ : 4222.7/20

reg\_asym\_sam\_12345678\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In:  $-0.549 \pm 0.026$   $\chi^2/\text{NDF}$ : 27.1/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-0.608 \pm 0.024$   $\chi^2/\text{NDF}$ : 268.1/9

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

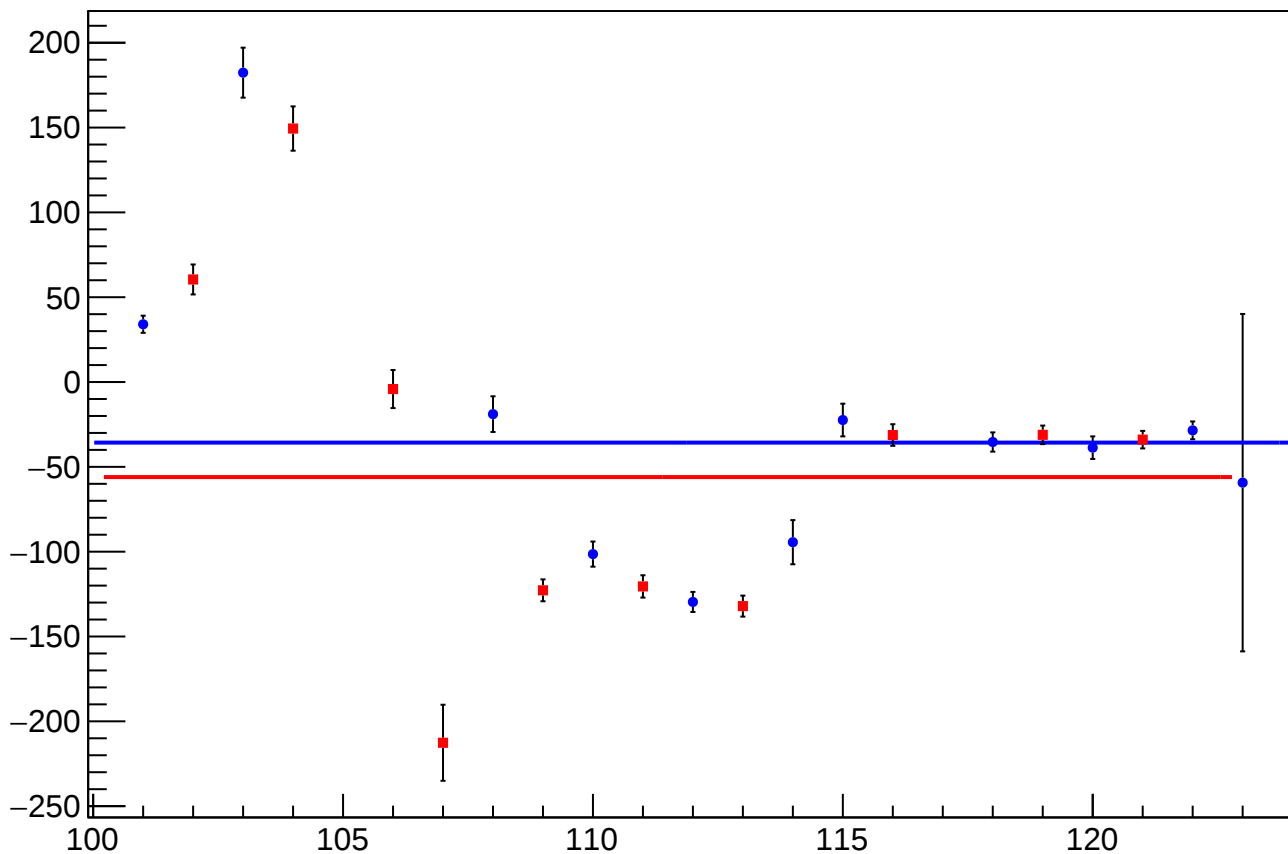
Right:  $-0.580 \pm 0.018$   $\chi^2/\text{NDF}$ : 298.0/20

In:  $-0.549 \pm 0.026$   $\chi^2/\text{NDF}$ : 27.1/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-0.580 \pm 0.018$   $\chi^2/\text{NDF}$ : 298.0/20

reg\_asym\_atl1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-35.702 \pm 2.201$   $\chi^2/\text{NDF}$ : 768.2/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-56.020 \pm 2.251$   $\chi^2/\text{NDF}$ : 899.2/9

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

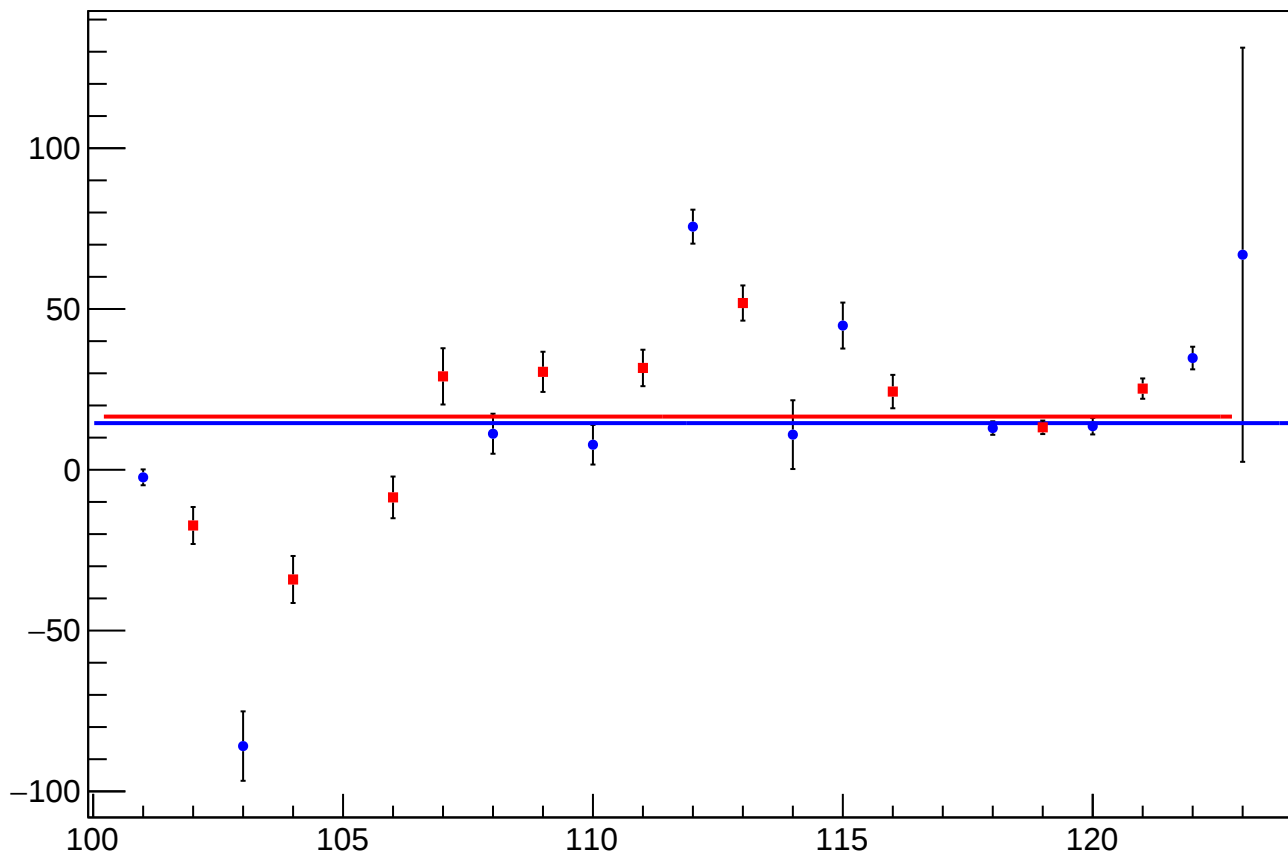
Right:  $-45.636 \pm 1.574$   $\chi^2/\text{NDF}$ : 1709.0/20

In:  $-35.702 \pm 2.201$   $\chi^2/\text{NDF}$ : 768.2/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-45.636 \pm 1.574$   $\chi^2/\text{NDF}$ : 1709.0/20

reg\_asym\_atl1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 14.510+/-1.154  $\chi^2/\text{NDF}$ : 321.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 16.541+/-1.359  $\chi^2/\text{NDF}$ : 165.8/9

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

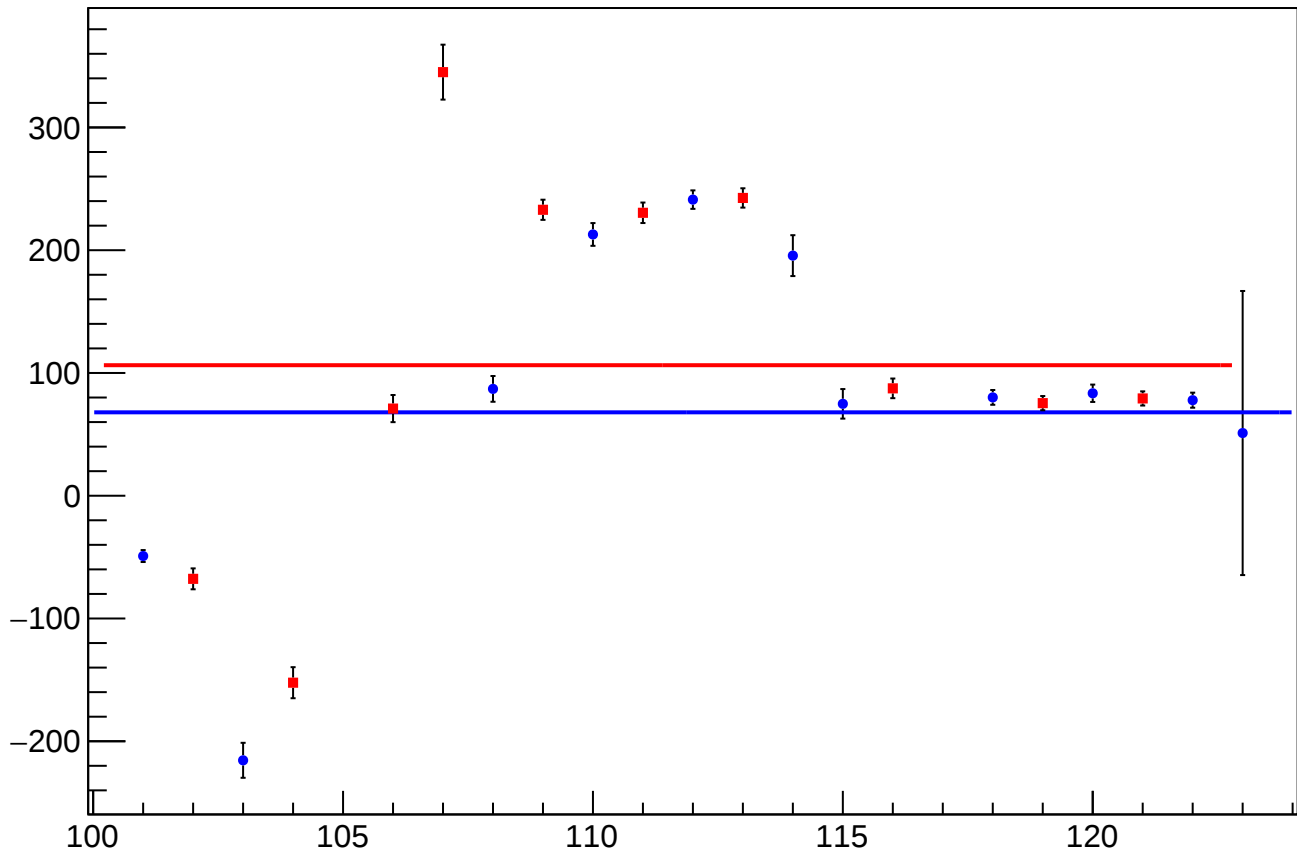
Right: 15.361+/-0.880  $\chi^2/\text{NDF}$ : 488.2/20

In: 14.510+/-1.154  $\chi^2/\text{NDF}$ : 321.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 15.361+/-0.880  $\chi^2/\text{NDF}$ : 488.2/20

reg\_asym\_atl1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 67.940+/-2.423  $\chi^2/\text{NDF}$ : 1823.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 106.330+/-2.573  $\chi^2/\text{NDF}$ : 1774.4/9

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

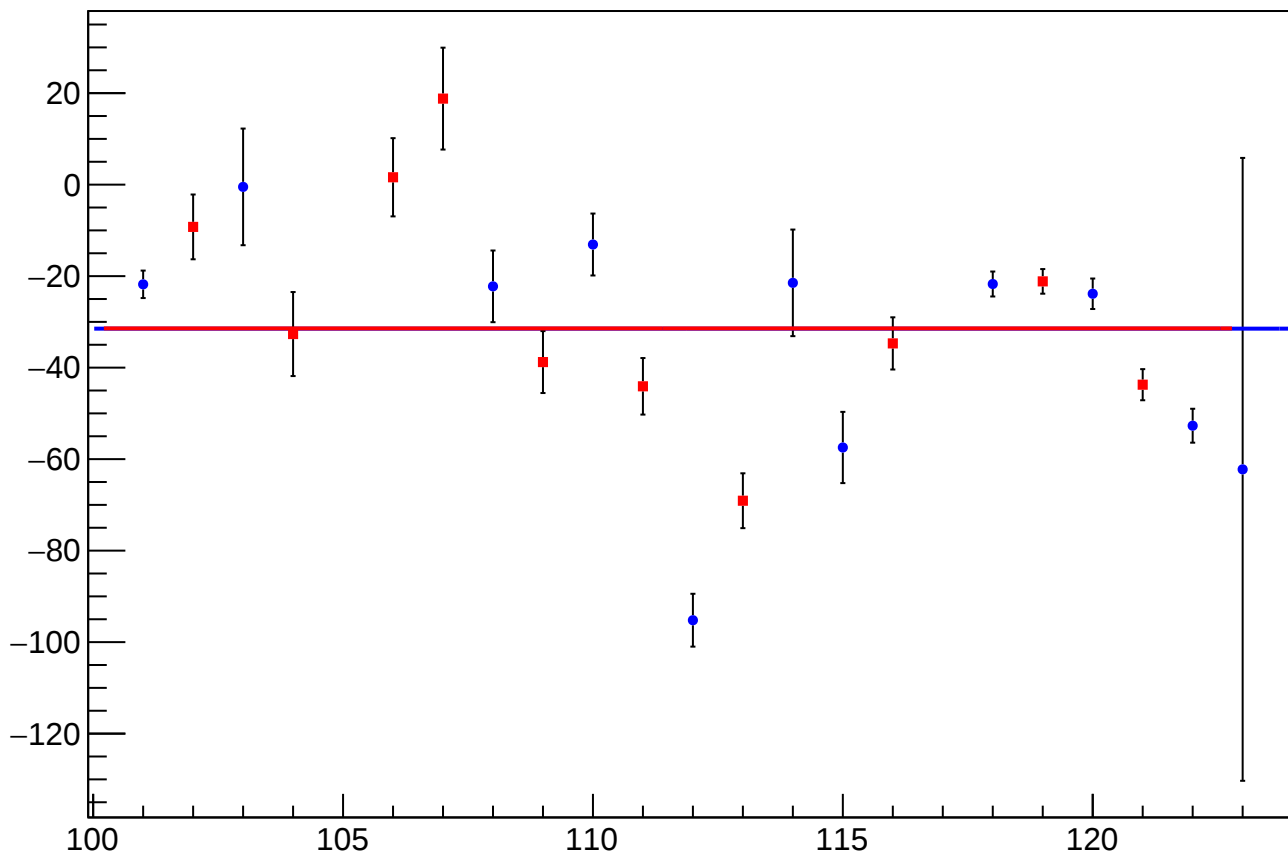
Right: 85.979+/-1.764  $\chi^2/\text{NDF}$ : 3715.7/20

In: 67.940+/-2.423  $\chi^2/\text{NDF}$ :1823.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 85.979+/-1.764  $\chi^2/\text{NDF}$ : 3715.7/20

reg\_asym\_atl1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -31.478+/-1.405  $\chi^2/\text{NDF}$ : 209.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -31.428+/-1.613  $\chi^2/\text{NDF}$ : 118.0/9

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

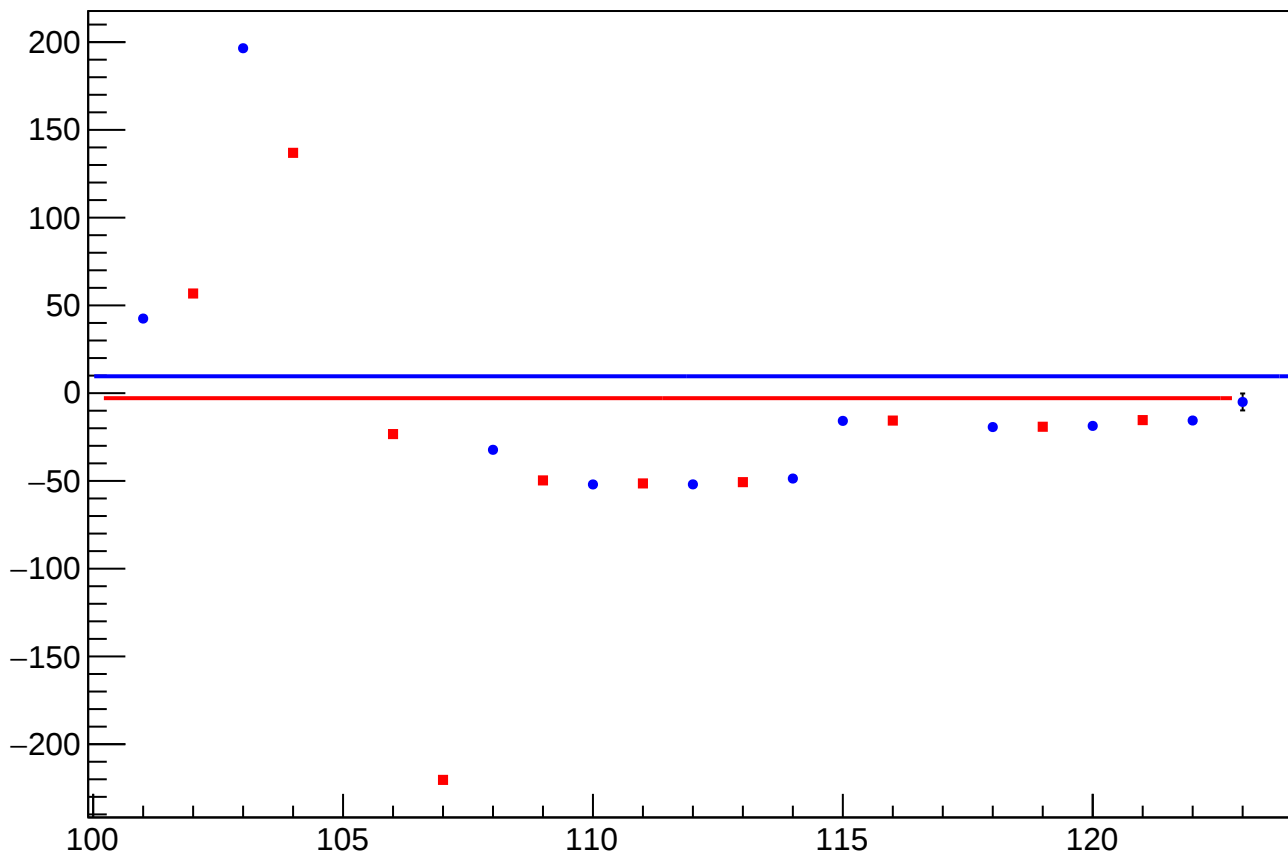
Right: -31.456+/-1.059  $\chi^2/\text{NDF}$ : 327.7/20

In: -31.478+/-1.405  $\chi^2/\text{NDF}$ : 209.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -31.456+/-1.059  $\chi^2/\text{NDF}$ : 327.7/20

reg\_asym\_atl1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 9.617+/-0.091  $\chi^2/\text{NDF}$ : 498513.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.861+/-0.094  $\chi^2/\text{NDF}$ : 518397.7/9

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

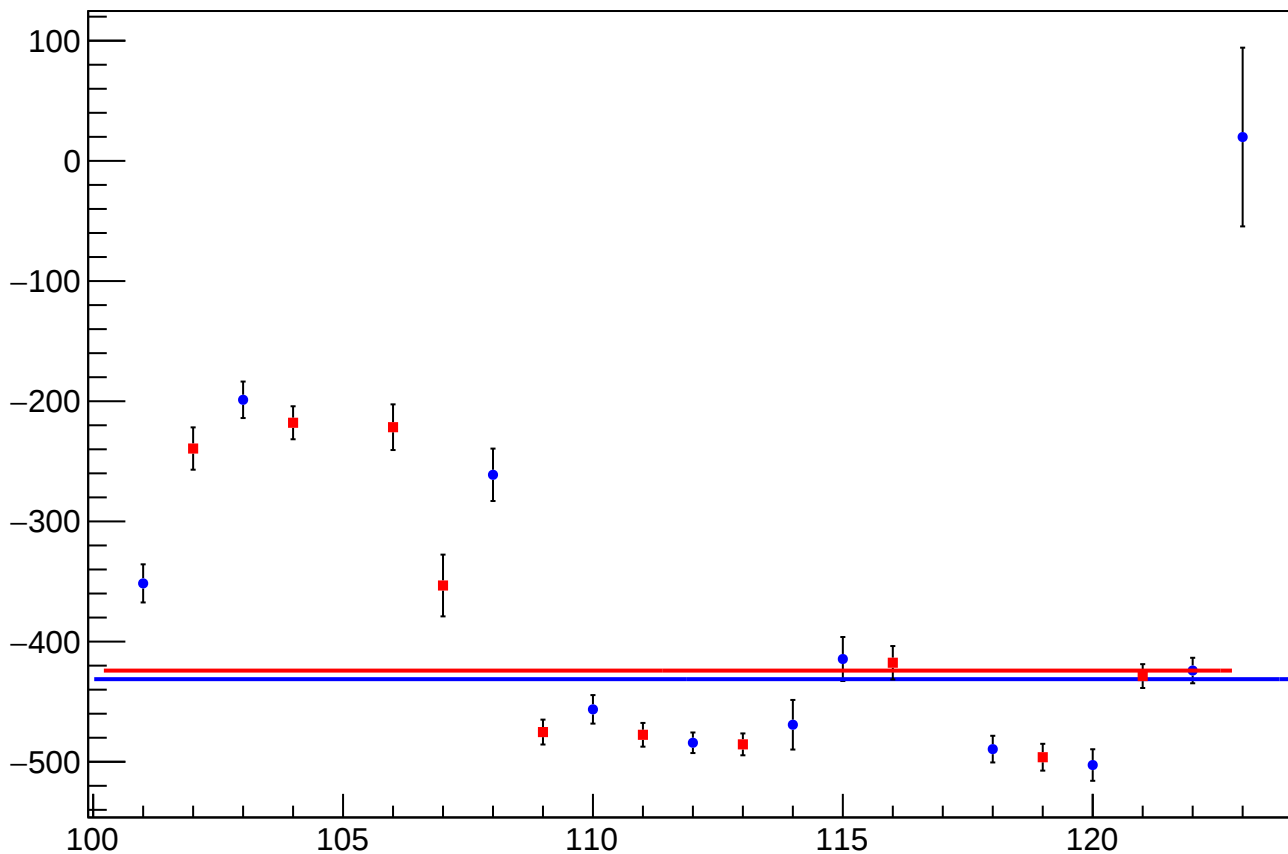
Right: 3.608+/-0.065  $\chi^2/\text{NDF}$ : 1025990.1/20

In: 9.617+/-0.091  $\chi^2/\text{NDF}$ : 498513.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 3.608+/-0.065  $\chi^2/\text{NDF}$ : 1025990.1/20

reg\_asym\_atl2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -431.257+/-4.099  $\chi^2/\text{NDF}$ : 461.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -424.127+/-3.839  $\chi^2/\text{NDF}$ : 598.4/9

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

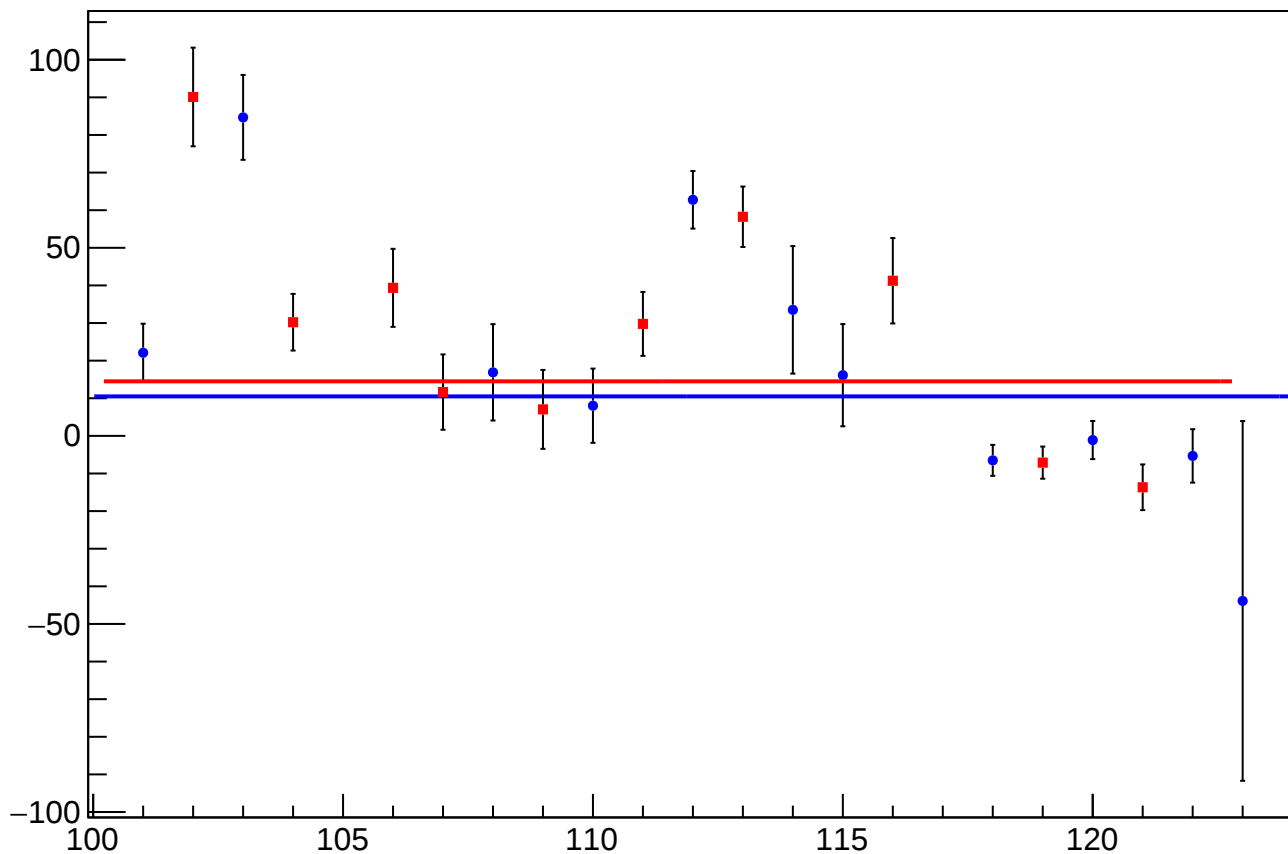
Right: -427.458+/-2.802  $\chi^2/\text{NDF}$ : 1061.9/20

In: -431.257+/-4.099  $\chi^2/\text{NDF}$ : 461.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -427.458+/-2.802  $\chi^2/\text{NDF}$ : 1061.9/20

reg\_asym\_atl2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 10.497+/-2.324  $\chi^2/\text{NDF}$ : 123.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.501+/-2.420  $\chi^2/\text{NDF}$ : 129.4/9

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

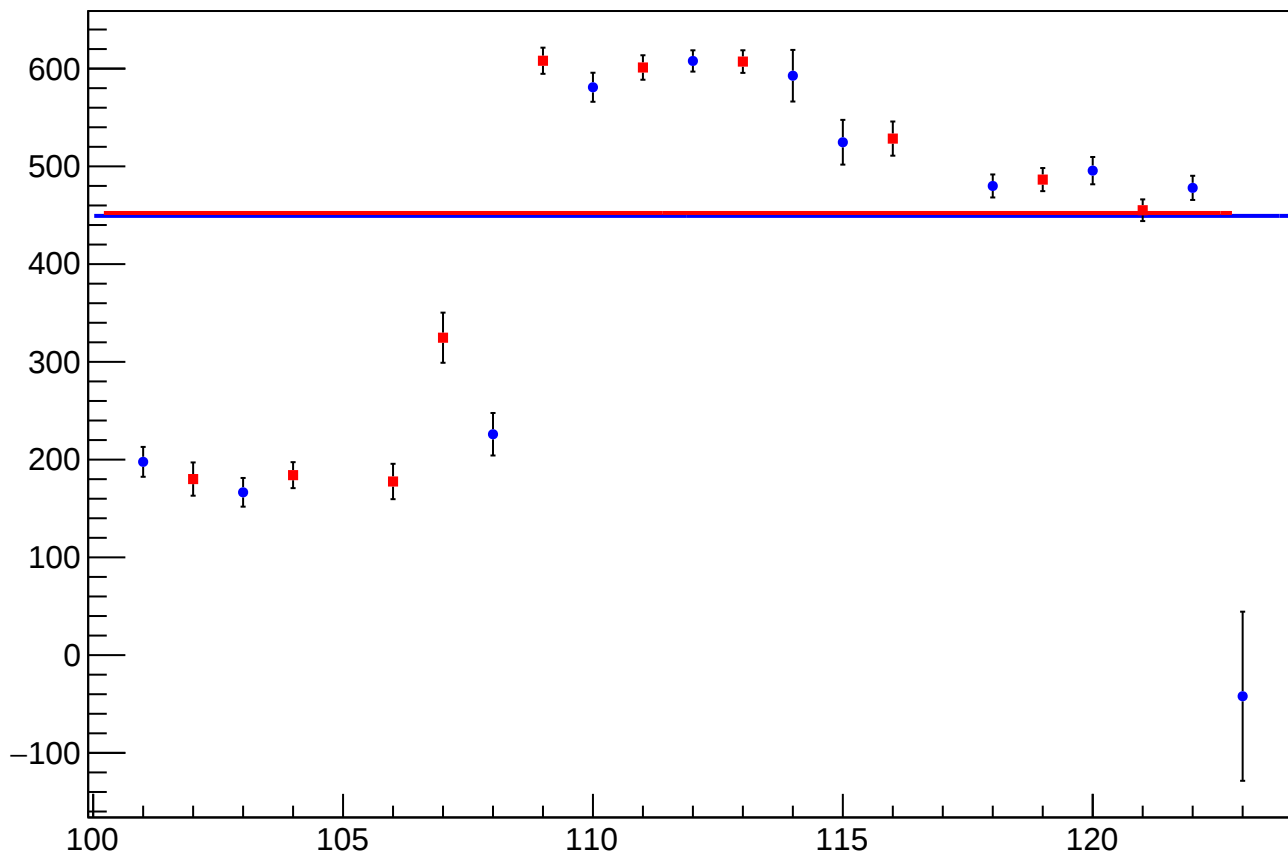
Right: 12.418+/-1.676  $\chi^2/\text{NDF}$ : 253.8/20

In: 10.497+/-2.324  $\chi^2/\text{NDF}$ : 123.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 12.418+/-1.676  $\chi^2/\text{NDF}$ : 253.8/20

reg\_asym\_atl2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 449.335+/-4.645  $\chi^2/\text{NDF}$ : 1133.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 452.319+/-4.398  $\chi^2/\text{NDF}$ : 1402.4/9

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

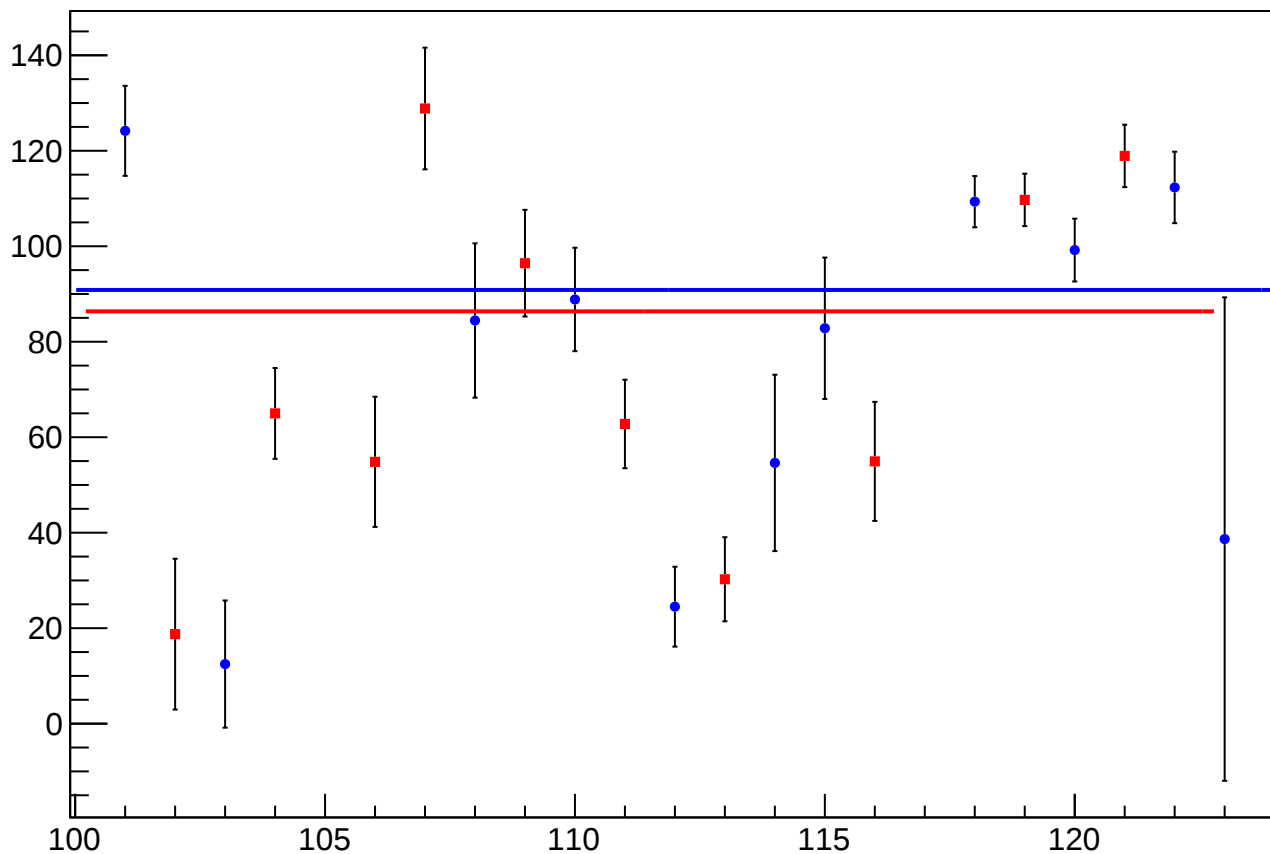
Right: 450.908+/-3.194  $\chi^2/\text{NDF}$ : 2536.0/20

In: 449.335+/-4.645  $\chi^2/\text{NDF}$ : 1133.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 450.908+/-3.194  $\chi^2/\text{NDF}$ : 2536.0/20

reg\_asym\_atl2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 90.848 $\pm$ 2.805  $\chi^2$ /NDF: 137.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 86.359 $\pm$ 2.862  $\chi^2$ /NDF: 136.9/9

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

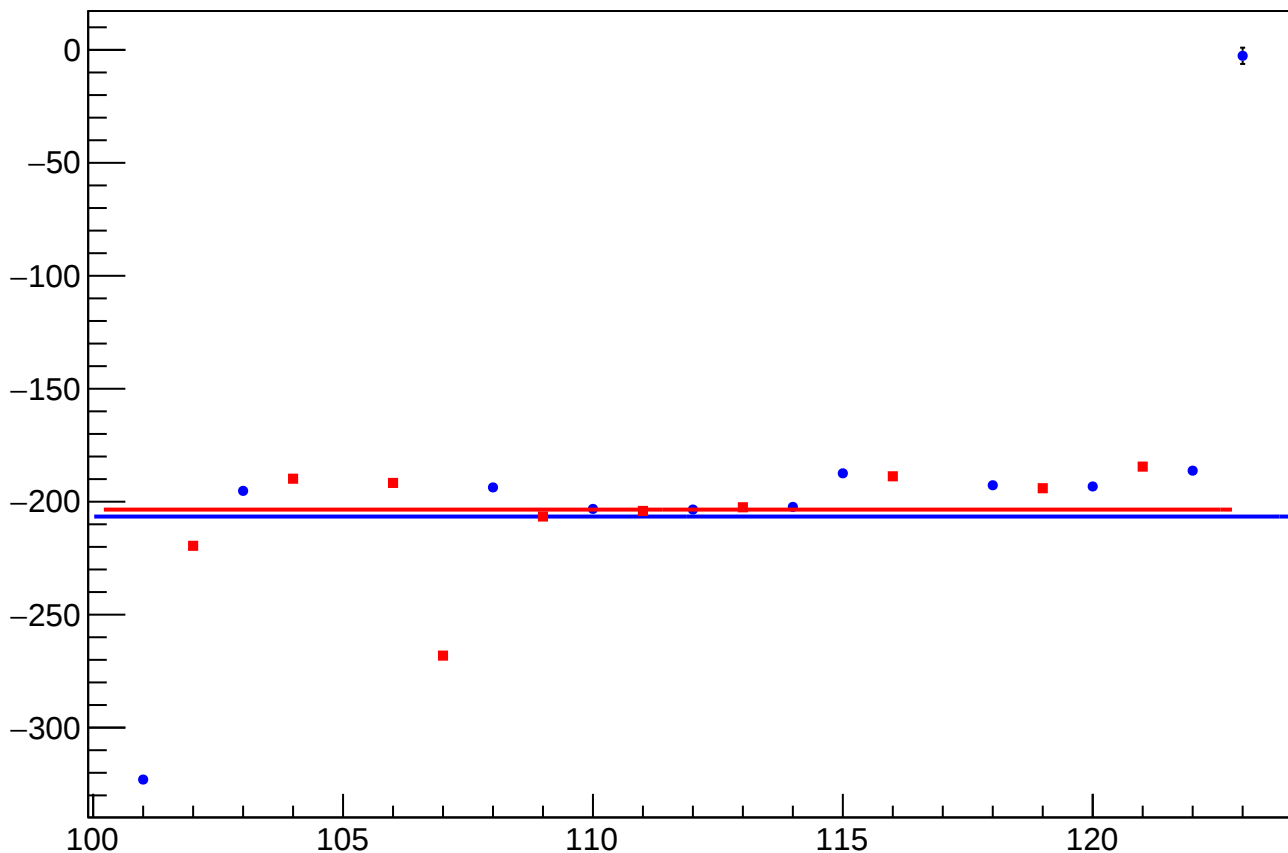
Right: 88.649 $\pm$ 2.003  $\chi^2$ /NDF: 275.2/20

In: 90.848 $\pm$ 2.805  $\chi^2$ /NDF:137.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 88.649 $\pm$ 2.003  $\chi^2$ /NDF: 275.2/20

reg\_asym\_atl2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -206.567+/-0.169  $\chi^2/\text{NDF}$ : 53022.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -203.493+/-0.157  $\chi^2/\text{NDF}$ : 17922.6/9

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

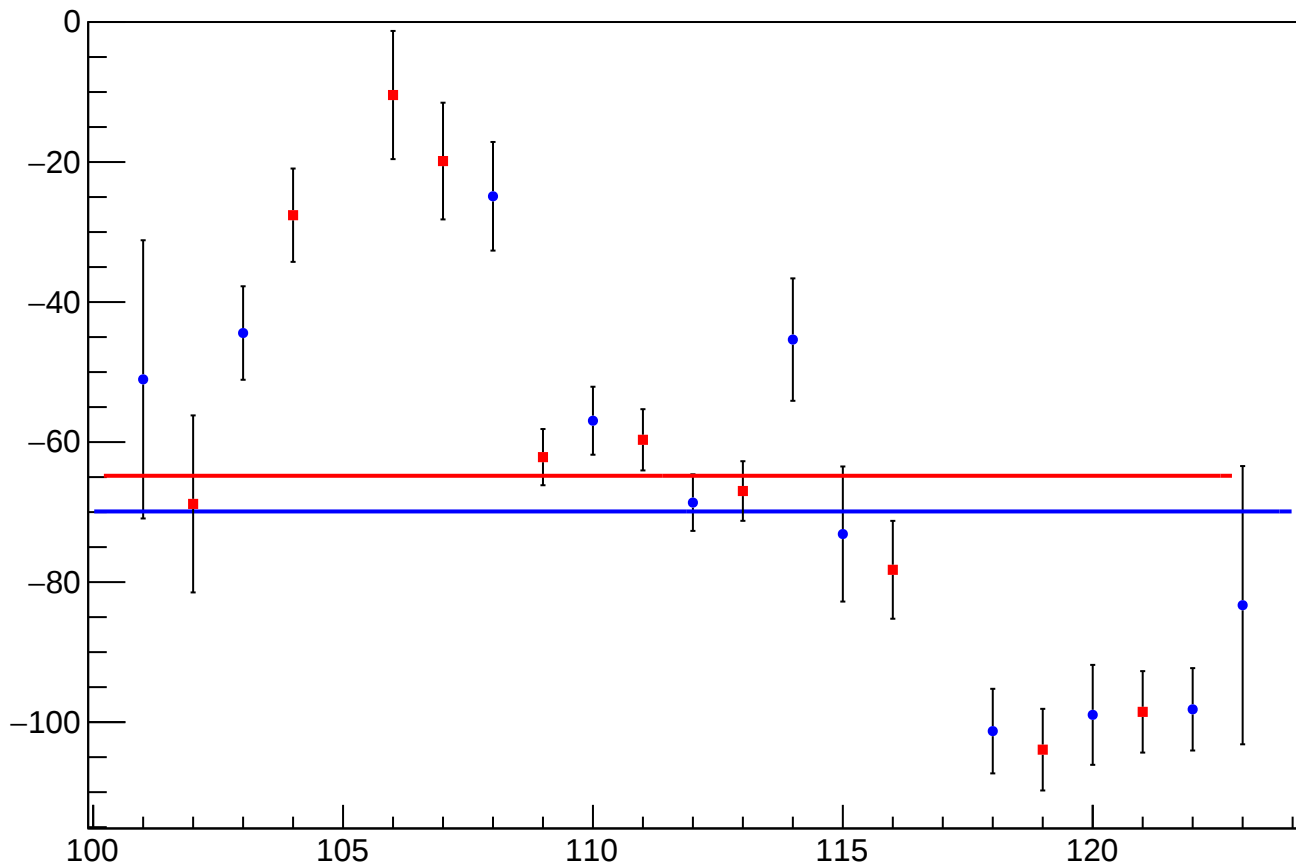
Right: -204.917+/-0.115  $\chi^2/\text{NDF}$ : 71121.3/20

In: -206.567+/-0.169  $\chi^2/\text{NDF}$ : 53022.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -204.917+/-0.115  $\chi^2/\text{NDF}$ : 71121.3/20

reg\_asym\_atr1\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -69.906+/-2.010  $\chi^2/\text{NDF}$ : 131.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -64.811+/-1.814  $\chi^2/\text{NDF}$ : 180.1/9

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

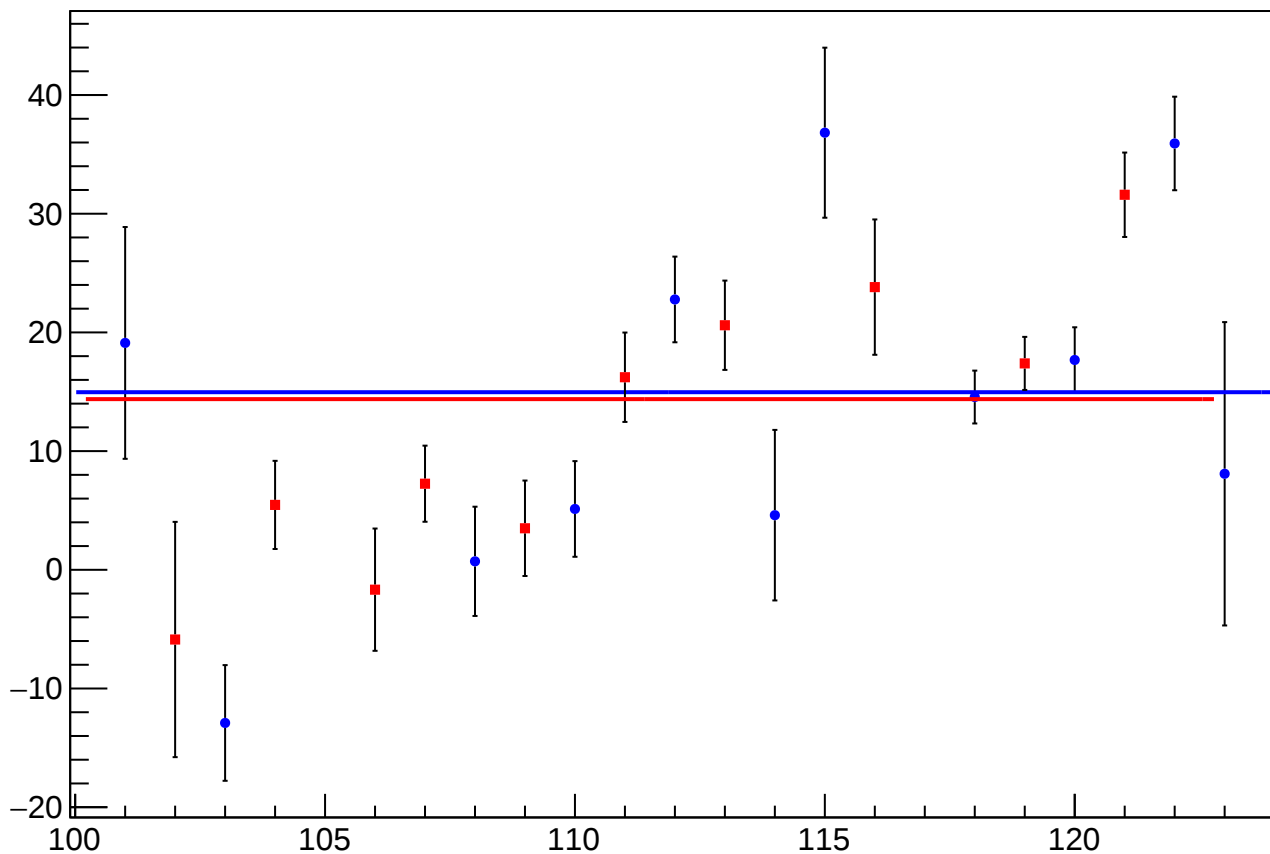
Right: -67.098+/-1.346  $\chi^2/\text{NDF}$ : 315.0/20

In: -69.906+/-2.010  $\chi^2/\text{NDF}$ : 131.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -67.098+/-1.346  $\chi^2/\text{NDF}$ : 315.0/20

reg\_asym\_atr1\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 14.963+/-1.212  $\chi^2/\text{NDF}$ : 94.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.379+/-1.170  $\chi^2/\text{NDF}$ : 62.9/9

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

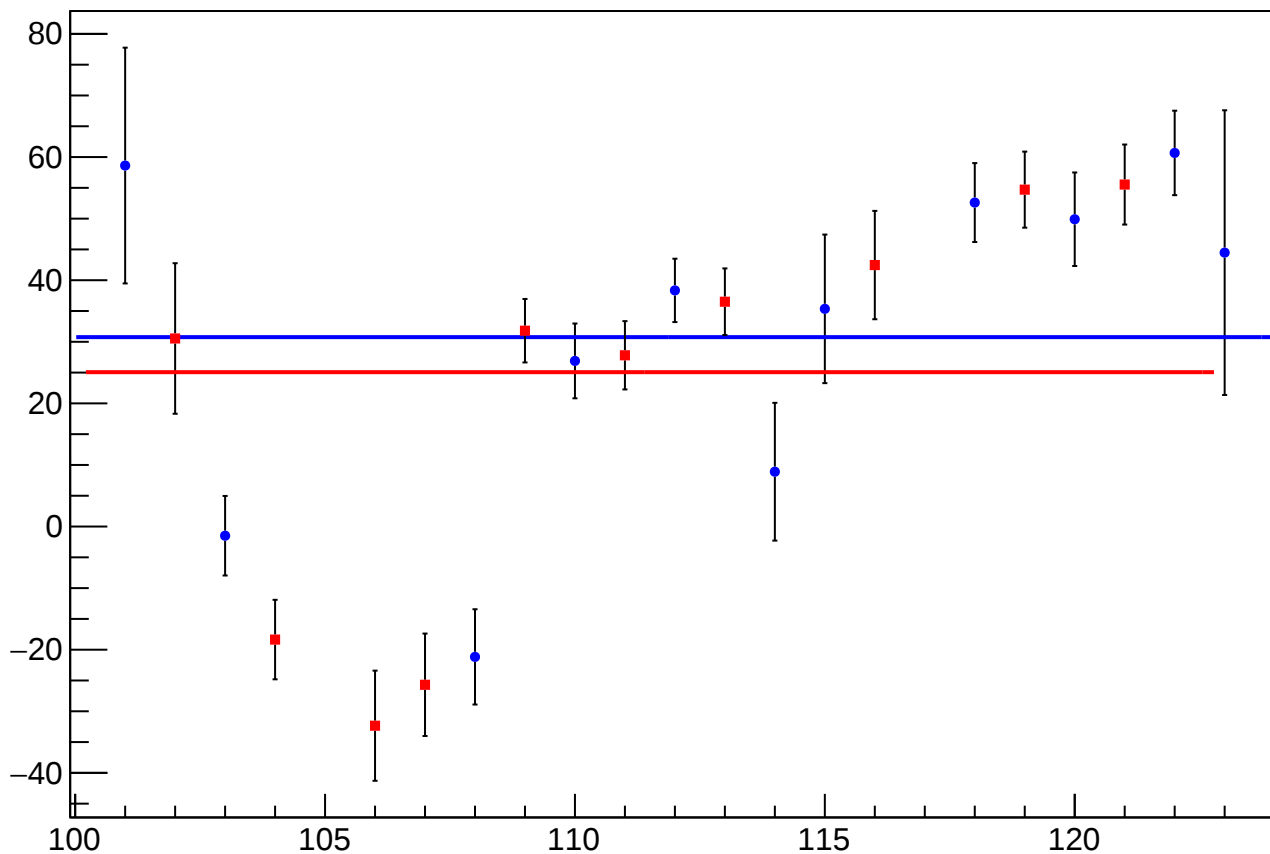
Right: 14.661+/-0.842  $\chi^2/\text{NDF}$ : 157.1/20

In: 14.963+/-1.212  $\chi^2/\text{NDF}$ : 94.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 14.661+/-0.842  $\chi^2/\text{NDF}$ : 157.1/20

reg\_asym\_atr1\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 30.757+/-2.306  $\chi^2/\text{NDF}$ : 116.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 25.067+/-2.109  $\chi^2/\text{NDF}$ : 179.2/9

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

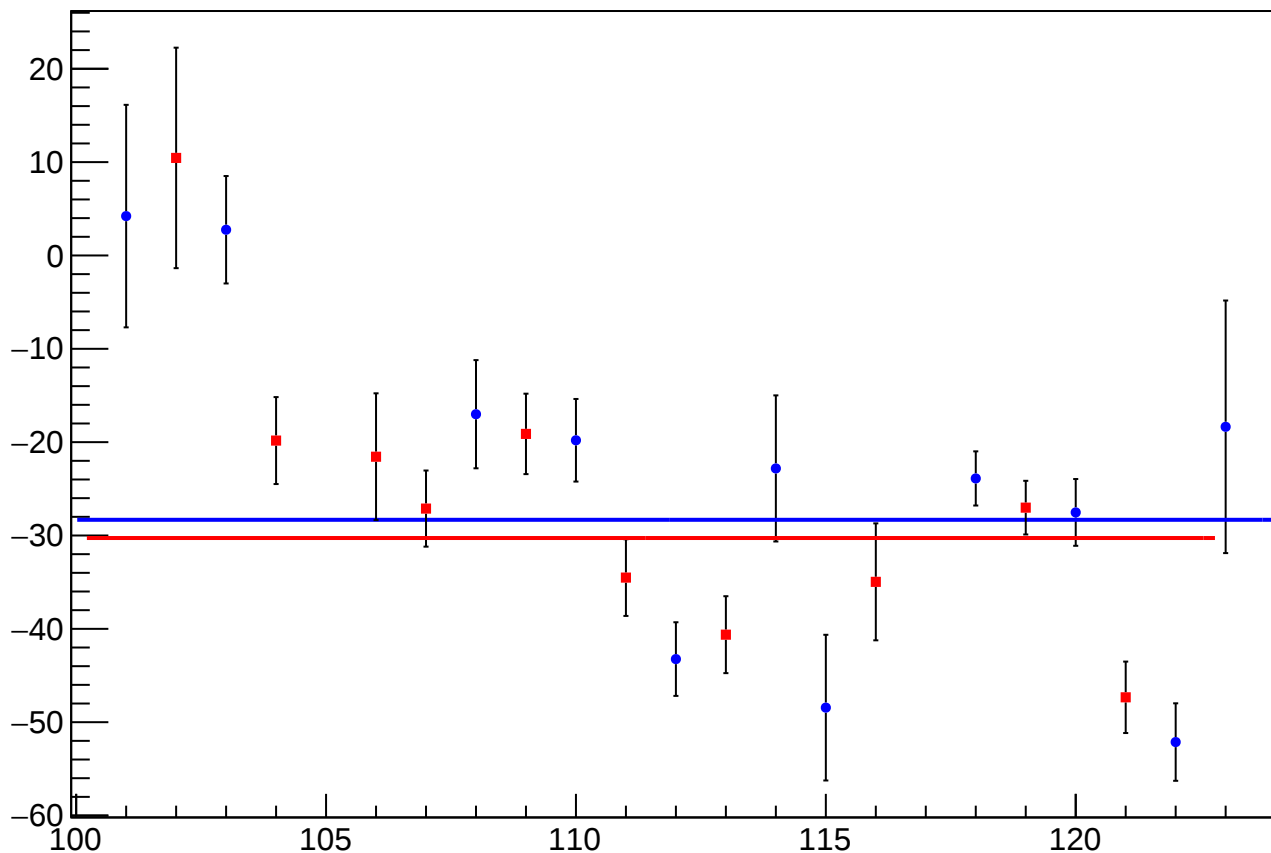
Right: 27.659+/-1.556  $\chi^2/\text{NDF}$ : 298.6/20

In: 30.757+/-2.306  $\chi^2/\text{NDF}$ : 116.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 27.659+/-1.556  $\chi^2/\text{NDF}$ : 298.6/20

reg\_asym\_atr1\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -28.318 $\pm$ 1.450  $\chi^2$ /NDF: 101.4/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -30.269 $\pm$ 1.384  $\chi^2$ /NDF: 55.0/9

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

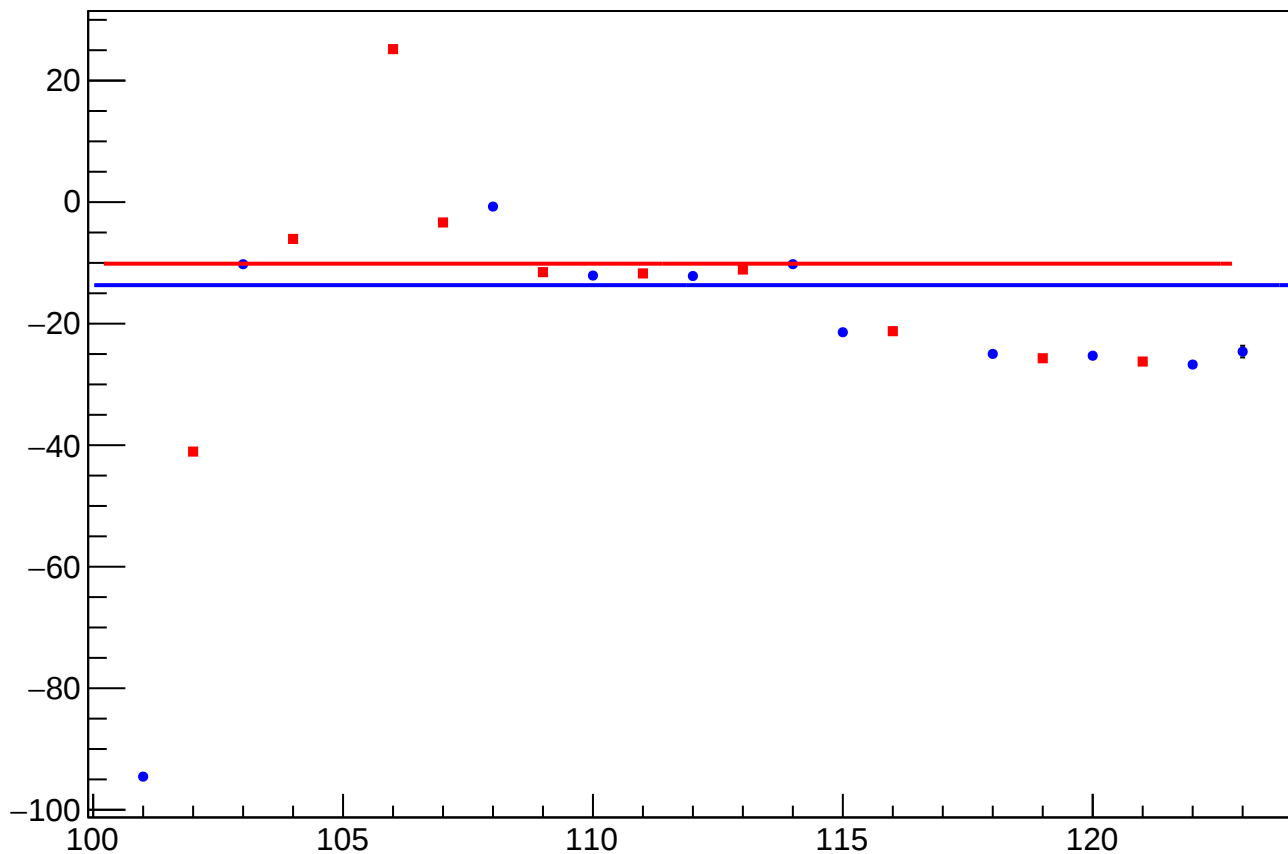
Right: -29.339 $\pm$ 1.001  $\chi^2$ /NDF: 157.3/20

In: -28.318 $\pm$ 1.450  $\chi^2$ /NDF:101.4/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -29.339 $\pm$ 1.001  $\chi^2$ /NDF: 157.3/20

reg\_asym\_atr1\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -13.663+/-0.080  $\chi^2/\text{NDF}$ : 25502.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -10.131+/-0.074  $\chi^2/\text{NDF}$ : 43241.3/9

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

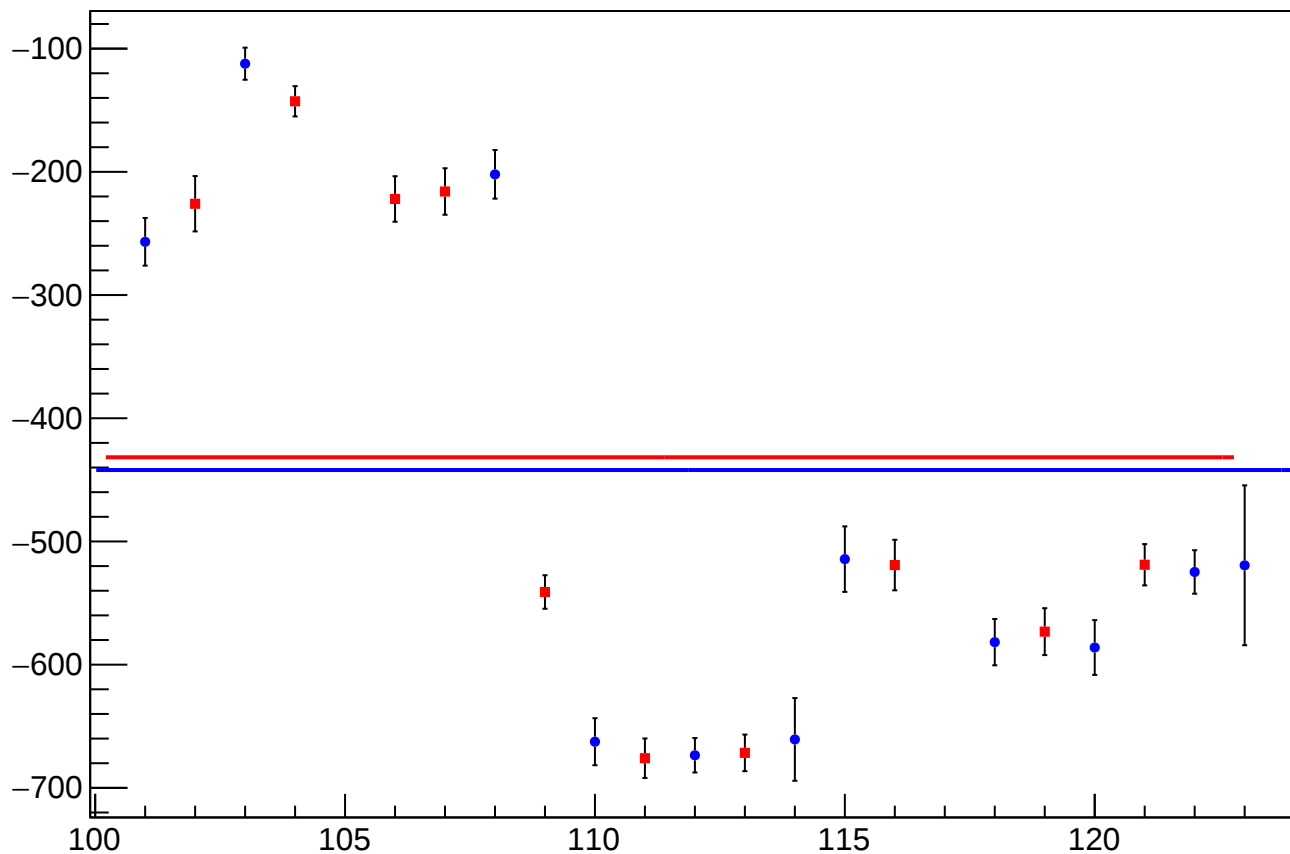
Right: -11.763+/-0.055  $\chi^2/\text{NDF}$ : 69787.8/20

In: -13.663+/-0.080  $\chi^2/\text{NDF}$ :25502.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -11.763+/-0.055  $\chi^2/\text{NDF}$ : 69787.8/20

reg\_asym\_atr2\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -442.021+/-5.811  $\chi^2/\text{NDF}$ : 1460.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -431.671+/-5.209  $\chi^2/\text{NDF}$ : 1553.9/9

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

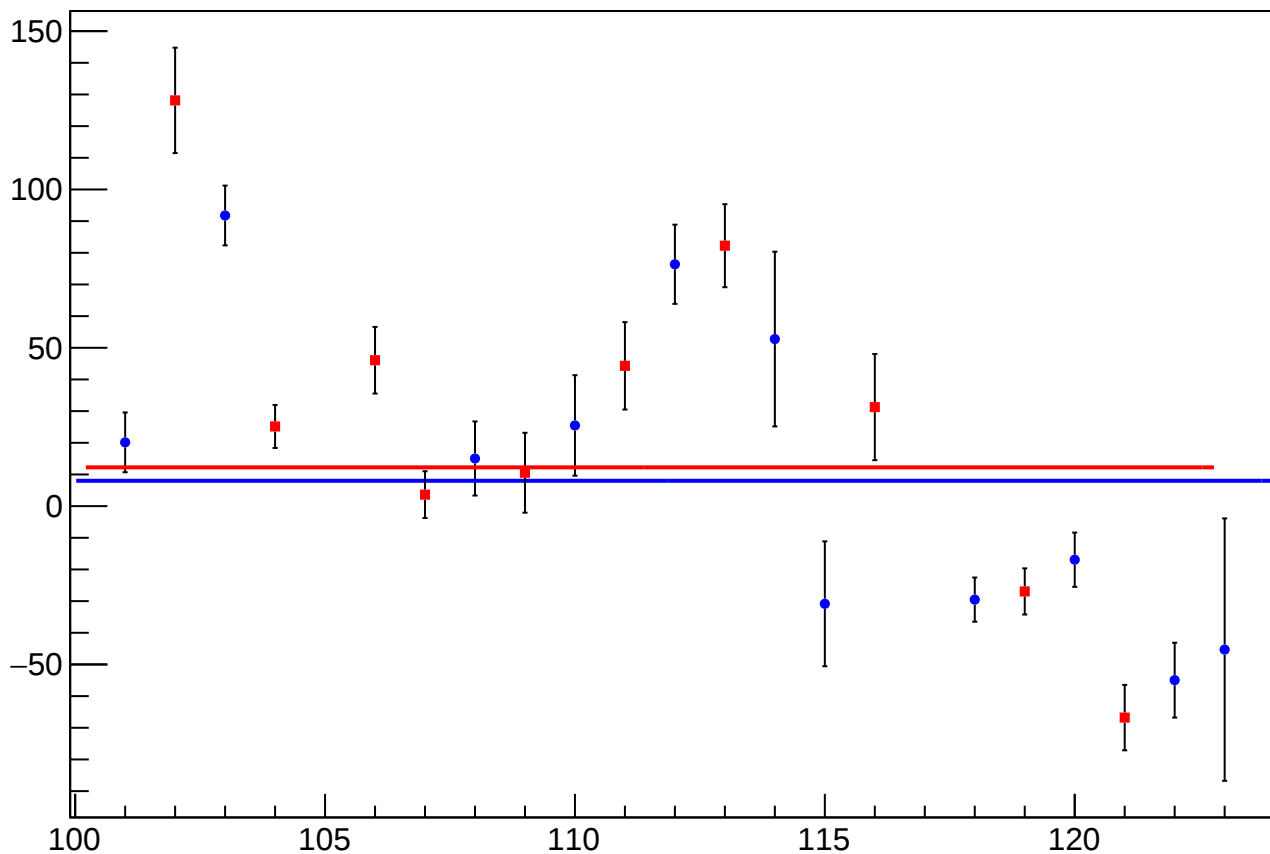
Right: -436.282+/-3.879  $\chi^2/\text{NDF}$ : 3015.6/20

In: -442.021+/-5.811  $\chi^2/\text{NDF}$ : 1460.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -436.282+/-3.879  $\chi^2/\text{NDF}$ : 3015.6/20

reg\_asym\_atr2\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 8.009+/-3.412  $\chi^2/\text{NDF}$ : 185.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 12.247+/-3.135  $\chi^2/\text{NDF}$ : 186.4/9

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

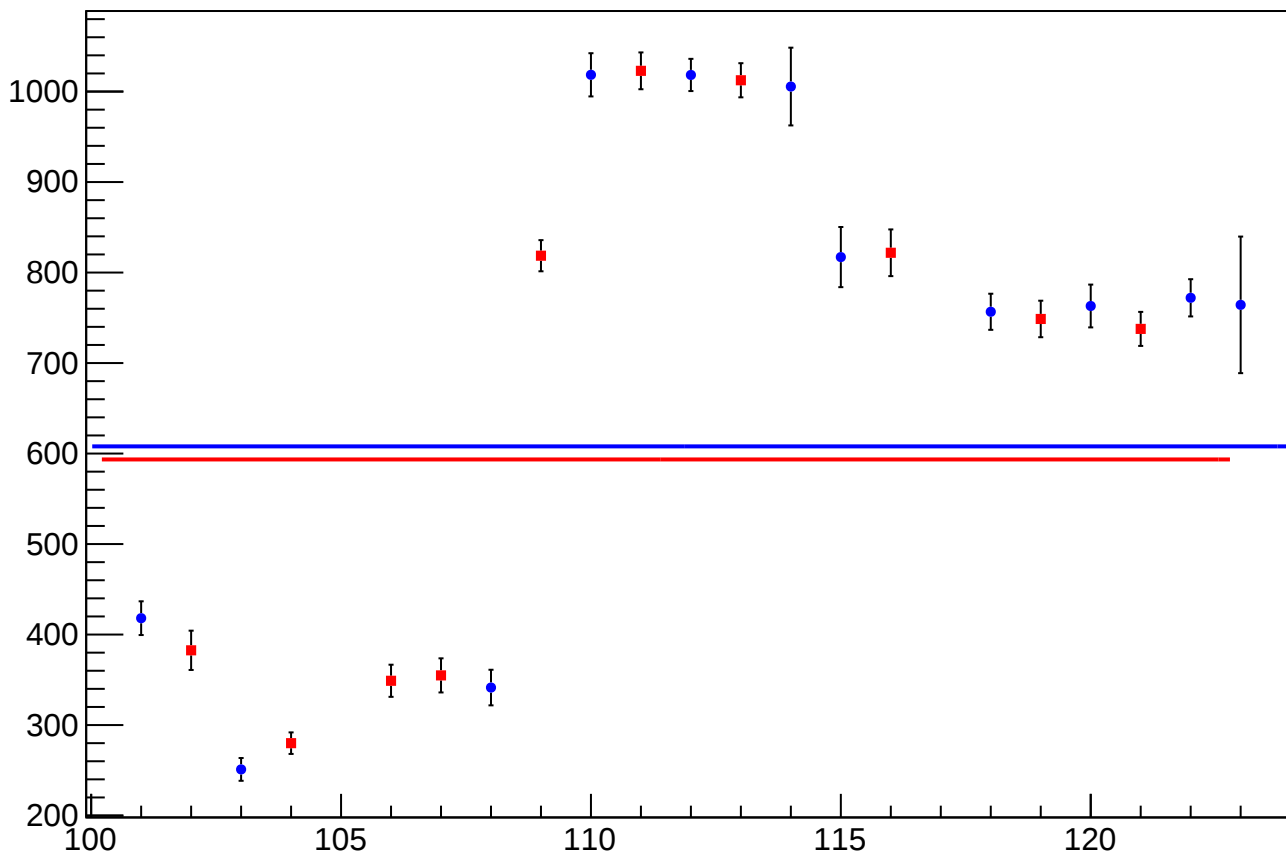
Right: 10.307+/-2.309  $\chi^2/\text{NDF}$ : 373.1/20

In: 8.009+/-3.412  $\chi^2/\text{NDF}$ : 185.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.307+/-2.309  $\chi^2/\text{NDF}$ : 373.1/20

reg\_asym\_atr2\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 607.925+/-6.328  $\chi^2/\text{NDF}$ : 2210.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 593.483+/-5.721  $\chi^2/\text{NDF}$ : 2444.6/9

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

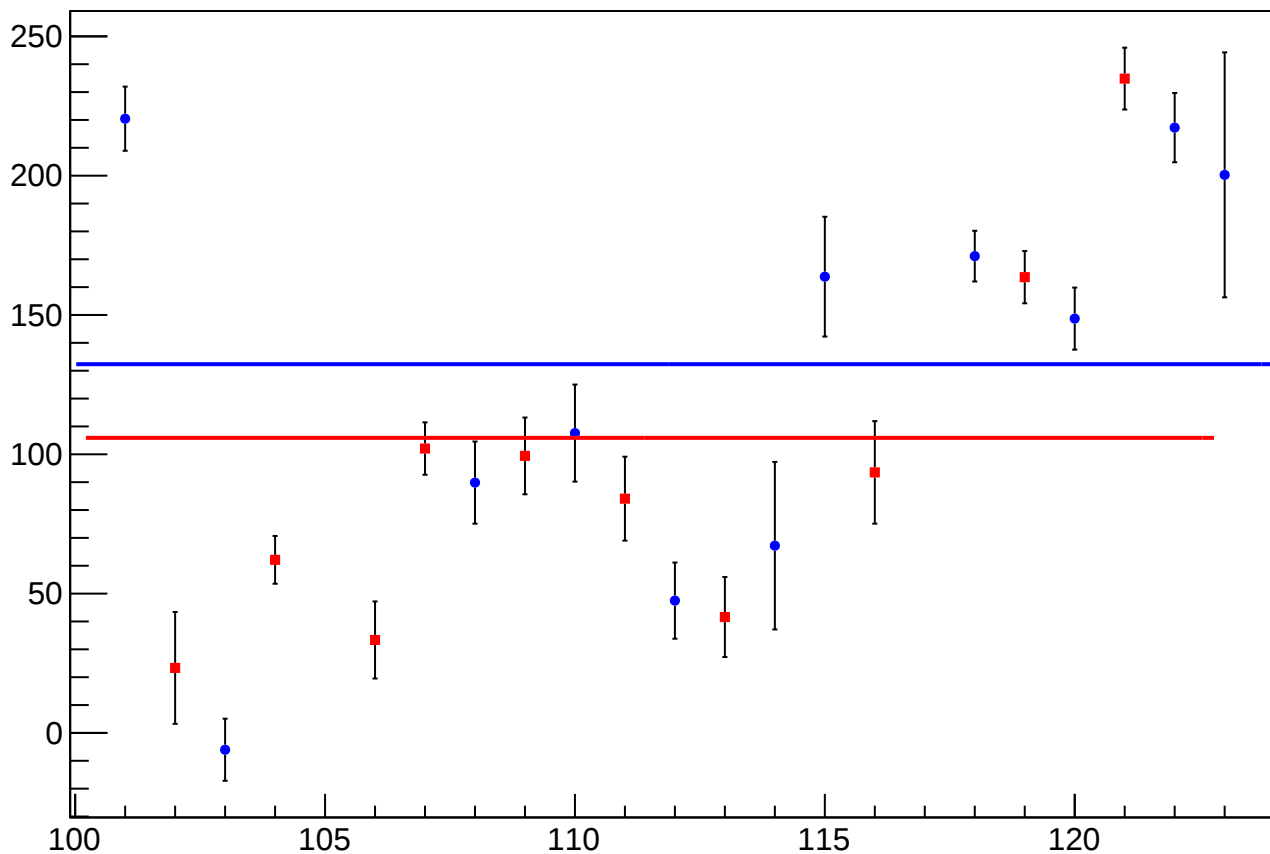
Right: 599.978+/-4.244  $\chi^2/\text{NDF}$ : 4658.0/20

In: 607.925+/-6.328  $\chi^2/\text{NDF}$ : 2210.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 599.978+/-4.244  $\chi^2/\text{NDF}$ : 4658.0/20

reg\_asym\_atr2\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 132.339+/-4.109  $\chi^2/\text{NDF}$ : 337.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 105.904+/-3.791  $\chi^2/\text{NDF}$ : 266.2/9

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

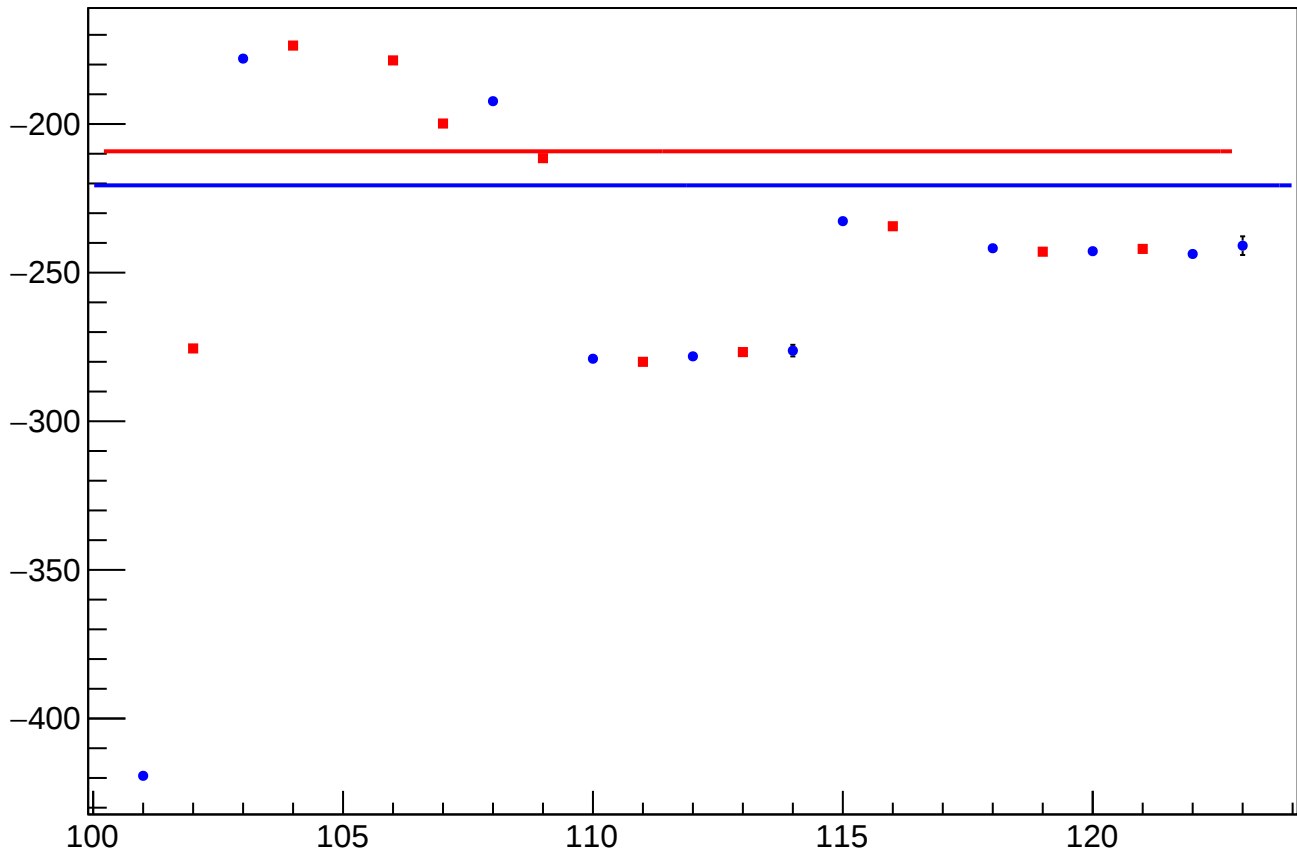
Right: 118.059+/-2.786  $\chi^2/\text{NDF}$ : 626.2/20

In: 132.339+/-4.109  $\chi^2/\text{NDF}$ : 337.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 118.059+/-2.786  $\chi^2/\text{NDF}$ : 626.2/20

reg\_asym\_atr2\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -220.635+/-0.194  $\chi^2/\text{NDF}$ : 124697.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -209.185+/-0.177  $\chi^2/\text{NDF}$ : 50433.1/9

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

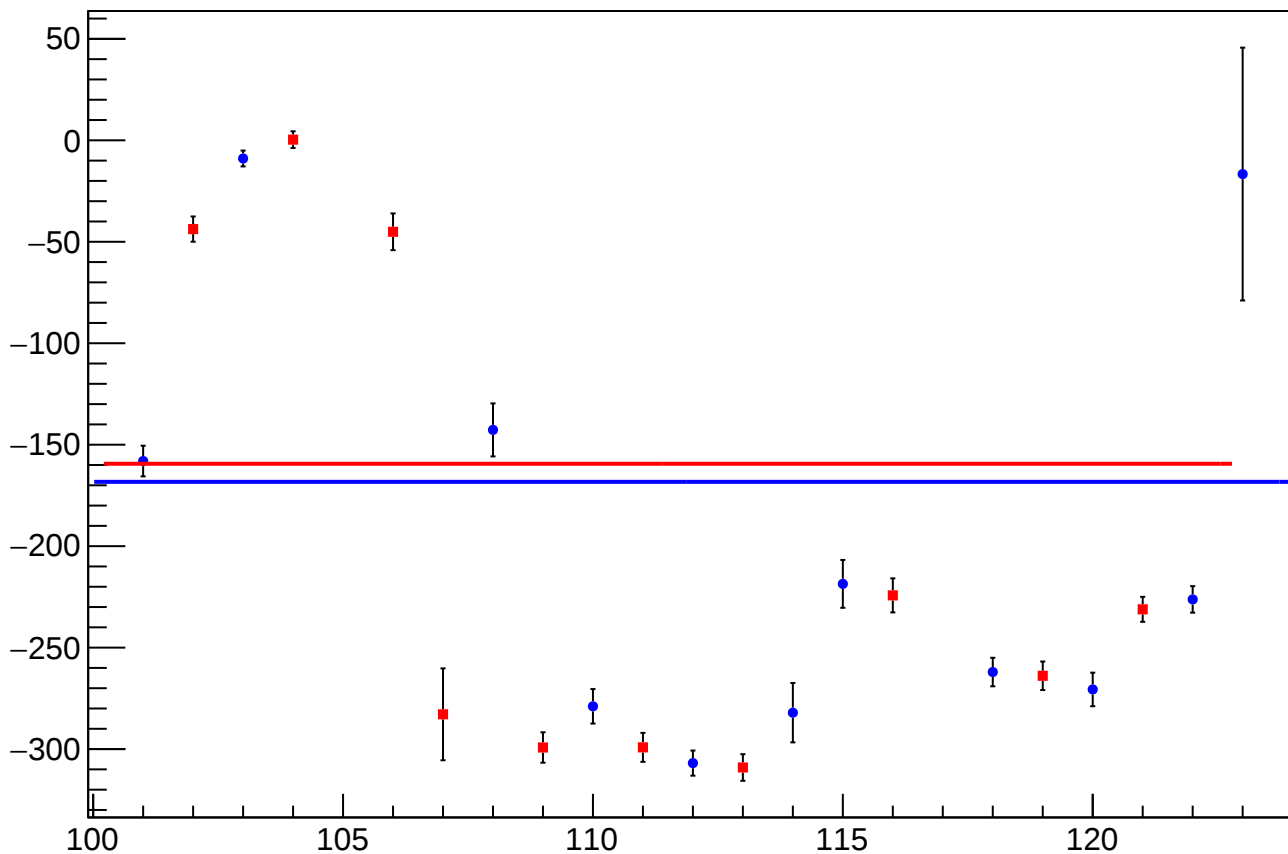
Right: -214.373+/-0.131  $\chi^2/\text{NDF}$ : 177034.5/20

In: -220.635+/-0.194  $\chi^2/\text{NDF}$ : 124697.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -214.373+/-0.131  $\chi^2/\text{NDF}$ : 177034.5/20

reg\_asym\_atl\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -168.298+/-2.241  $\chi^2/\text{NDF}$ : 2830.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -159.385+/-2.128  $\chi^2/\text{NDF}$ : 3719.1/9

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

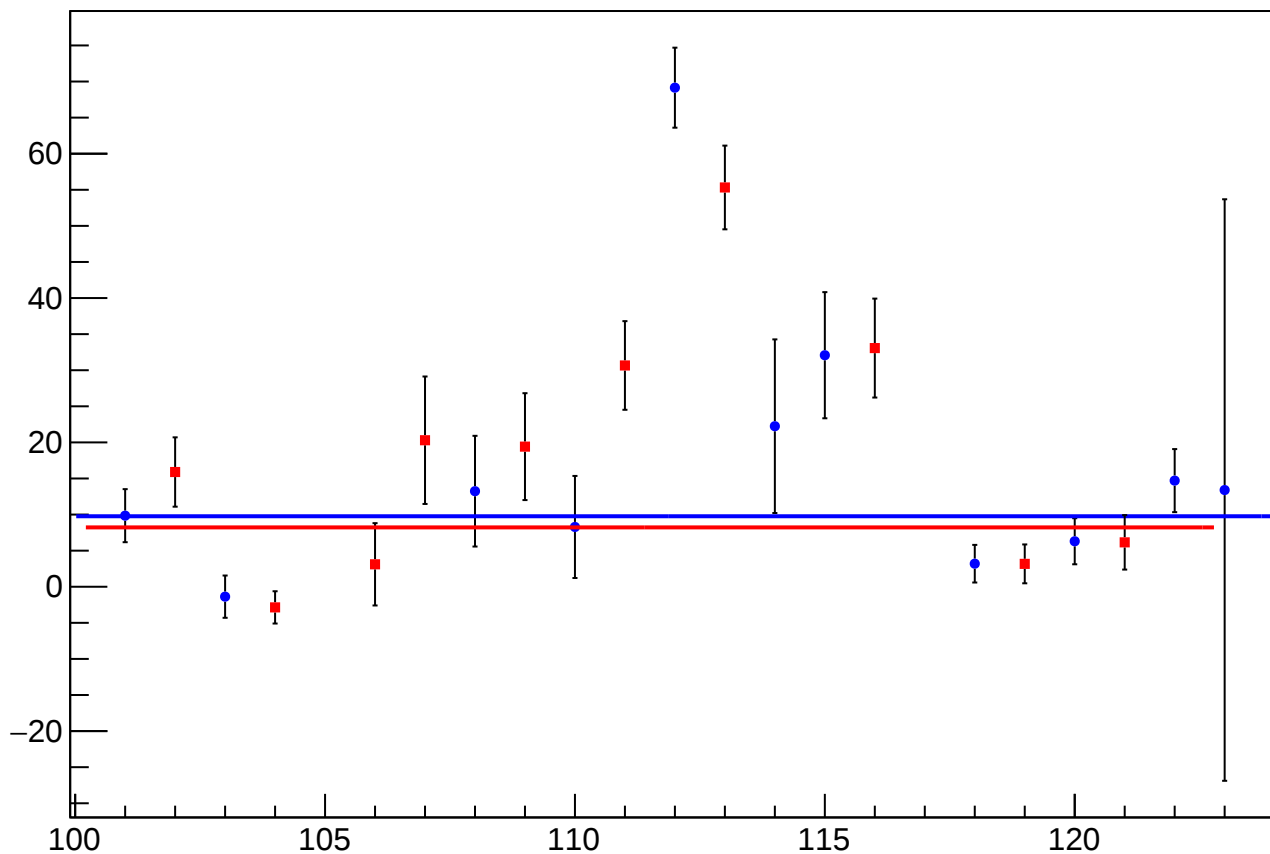
Right: -163.610+/-1.543  $\chi^2/\text{NDF}$ : 6557.5/20

In: -168.298+/-2.241  $\chi^2/\text{NDF}$ : 2830.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -163.610+/-1.543  $\chi^2/\text{NDF}$ : 6557.5/20

reg\_asym\_atl\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.767+/-1.315  $\chi^2/\text{NDF}$ : 145.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 8.223+/-1.301  $\chi^2/\text{NDF}$ : 128.4/9

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

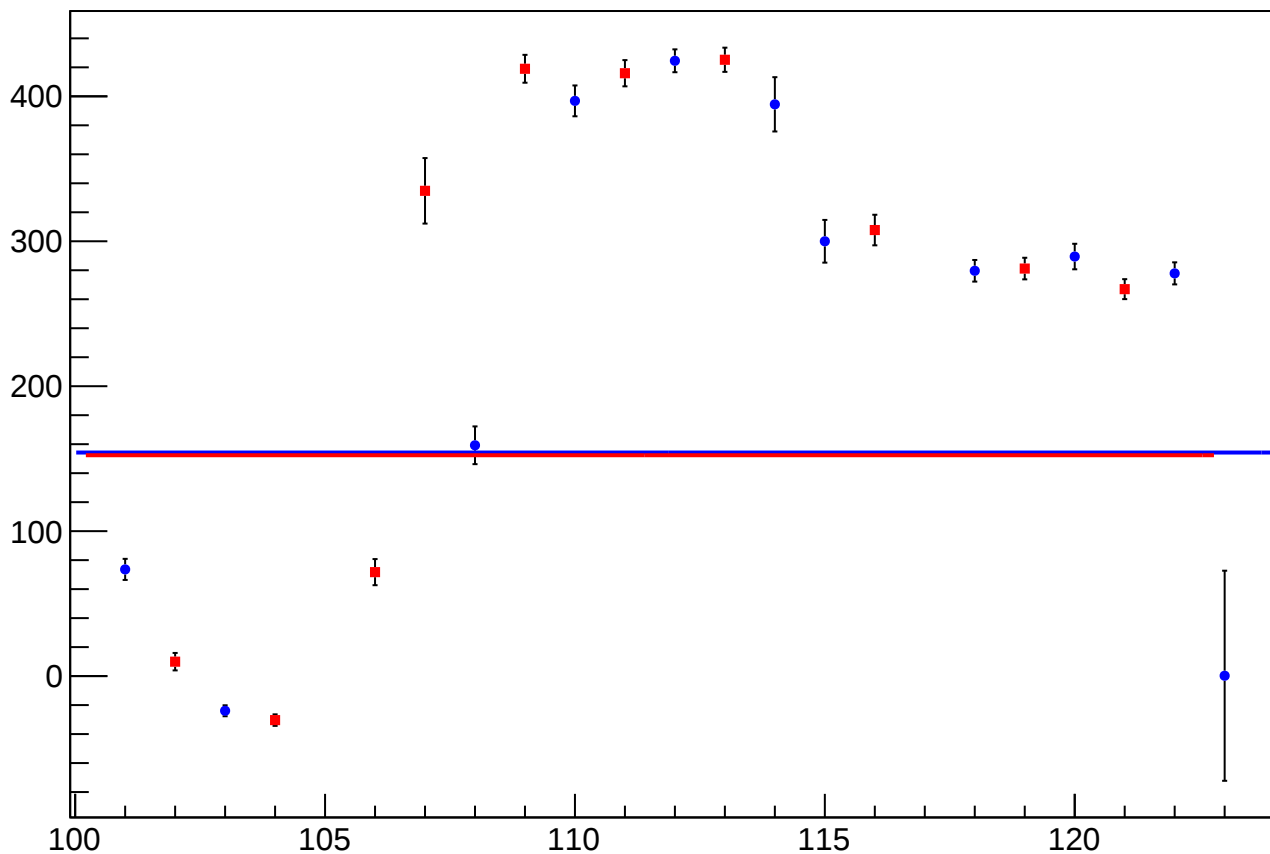
Right: 8.987+/-0.925  $\chi^2/\text{NDF}$ : 274.9/20

In: 9.767+/-1.315  $\chi^2/\text{NDF}$ : 145.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 8.987+/-0.925  $\chi^2/\text{NDF}$ : 274.9/20

reg\_asym\_atl\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 154.244+/-2.388  $\chi^2/\text{NDF}$ : 5085.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 152.376+/-2.289  $\chi^2/\text{NDF}$ : 6302.7/9

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

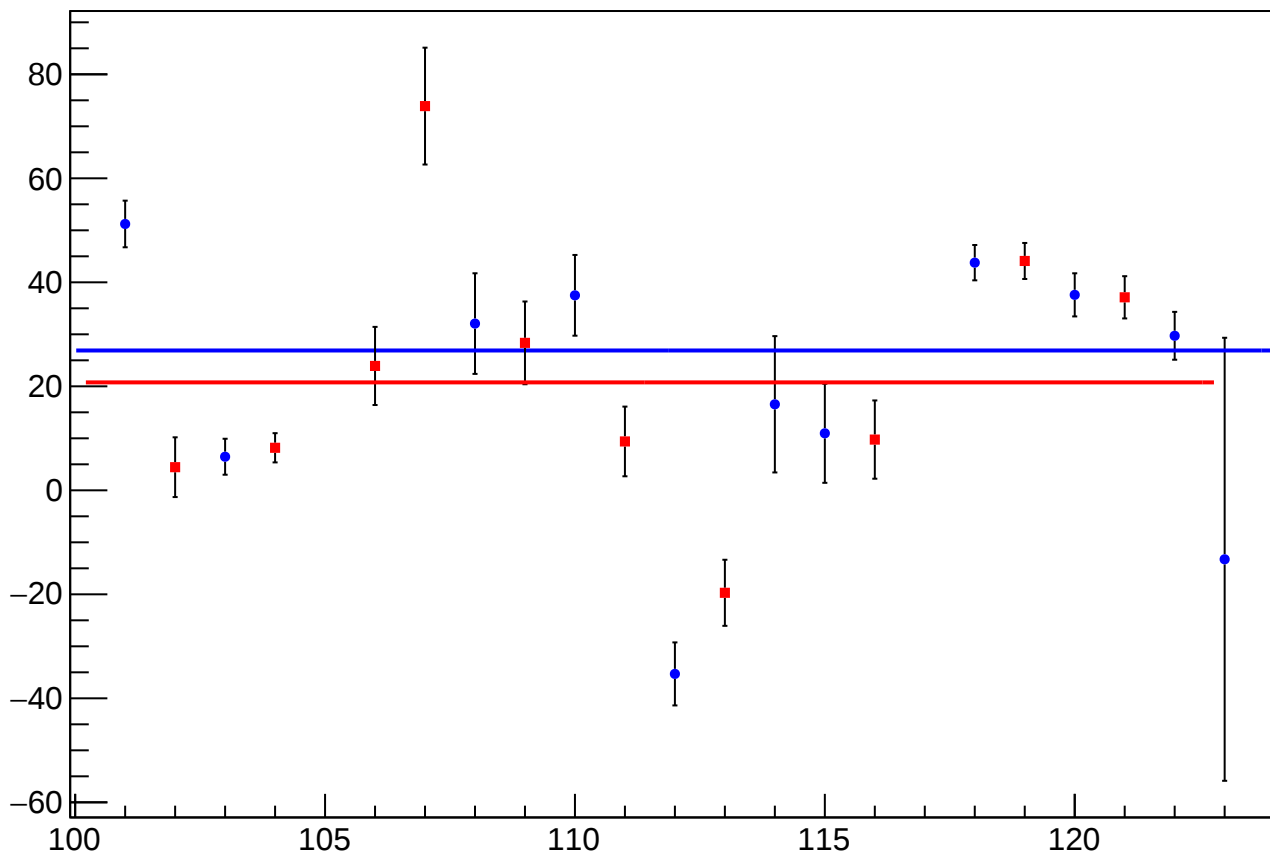
Right: 153.271+/-1.653  $\chi^2/\text{NDF}$ : 11388.9/20

In: 154.244+/-2.388  $\chi^2/\text{NDF}$ : 5085.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 153.271+/-1.653  $\chi^2/\text{NDF}$ : 11388.9/20

reg\_asym\_atl\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 26.891+/-1.586  $\chi^2/\text{NDF}$ : 207.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 20.756+/-1.567  $\chi^2/\text{NDF}$ : 158.8/9

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

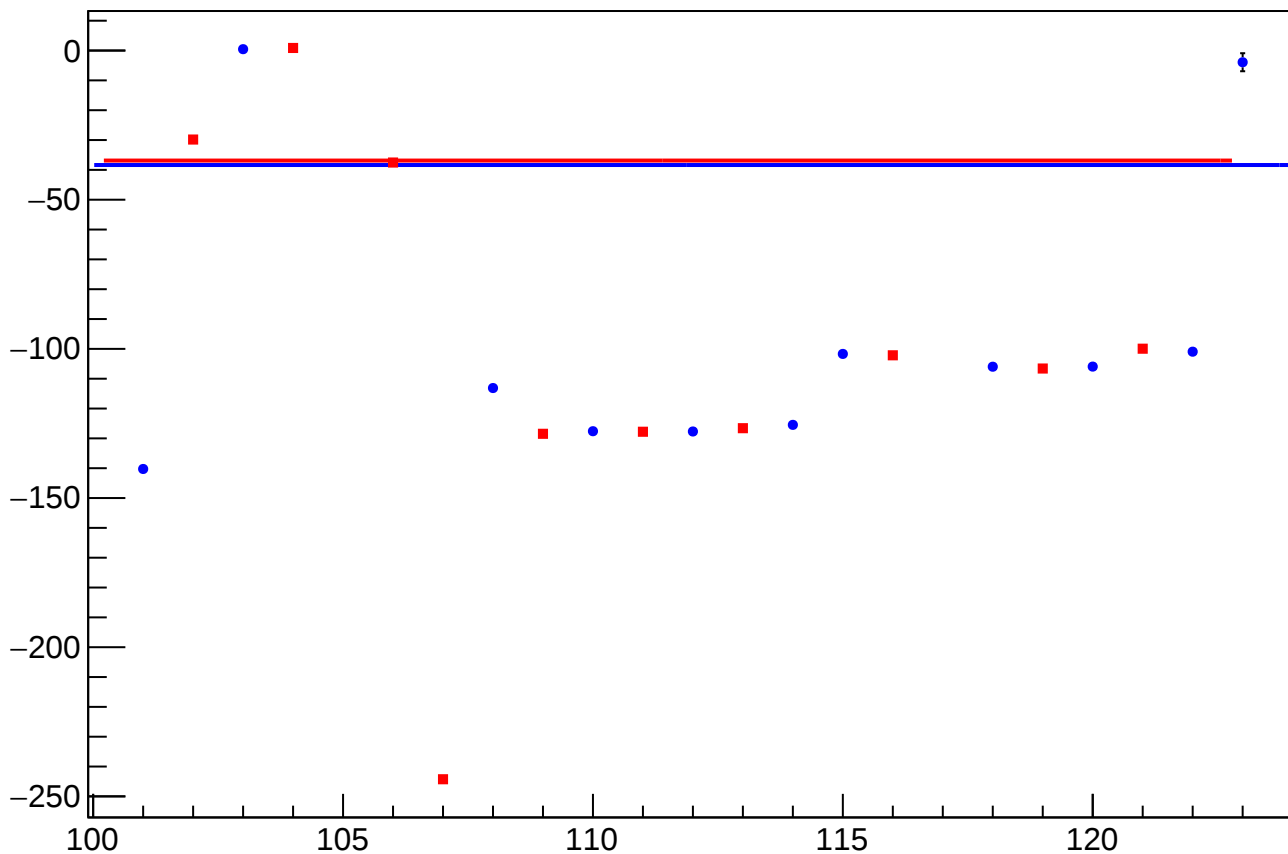
Right: 23.786+/-1.115  $\chi^2/\text{NDF}$ : 374.3/20

In: 26.891+/-1.586  $\chi^2/\text{NDF}$ : 207.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 23.786+/-1.115  $\chi^2/\text{NDF}$ : 374.3/20

reg\_asym\_atl\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -38.372+/-0.069  $\chi^2/\text{NDF}$ : 651741.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -36.875+/-0.067  $\chi^2/\text{NDF}$ : 566600.9/9

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

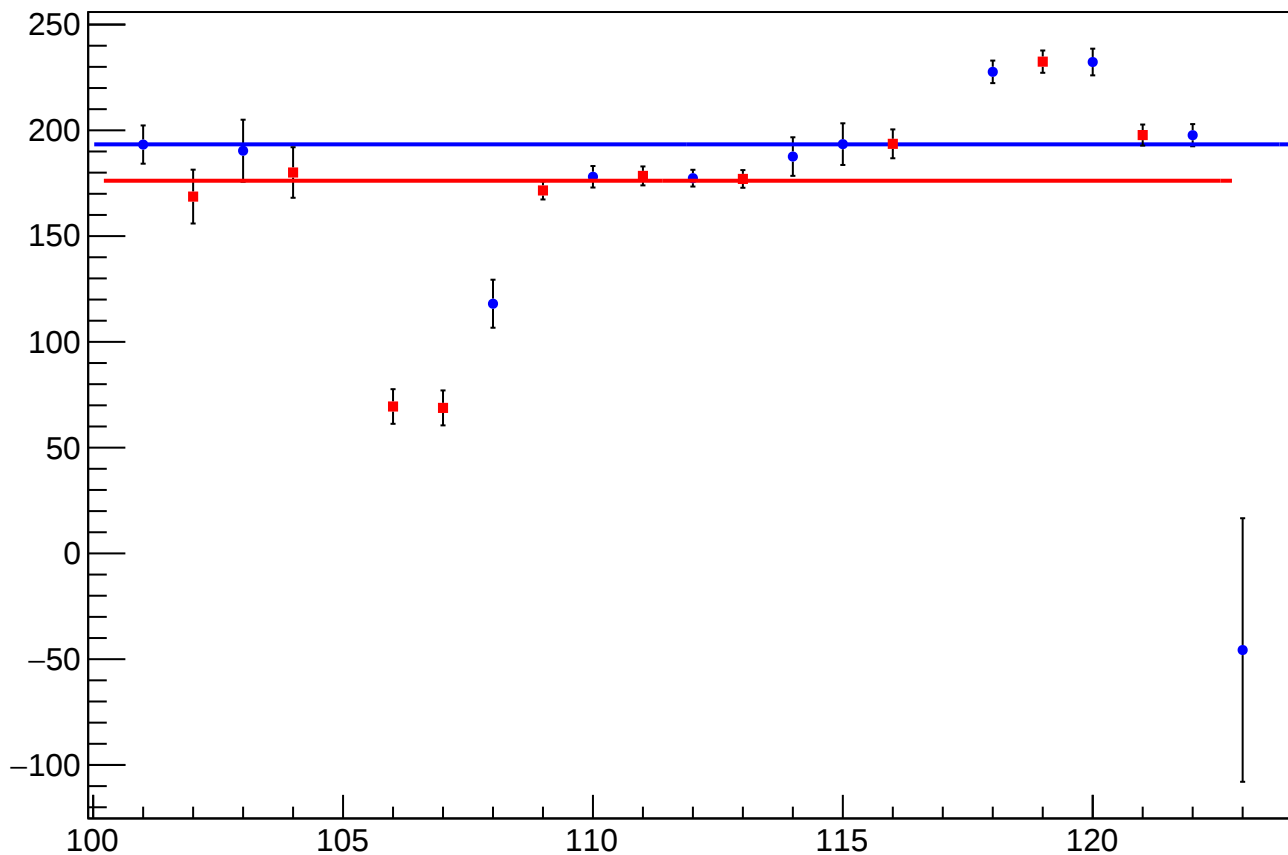
Right: -37.598+/-0.048  $\chi^2/\text{NDF}$ : 1218582.0/20

In: -38.372+/-0.069  $\chi^2/\text{NDF}$ : 651741.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -37.598+/-0.048  $\chi^2/\text{NDF}$ : 1218582.0/20

reg\_asym\_atl\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 193.372 $\pm$ 2.014  $\chi^2$ /NDF: 164.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 176.174 $\pm$ 1.817  $\chi^2$ /NDF: 480.3/9

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

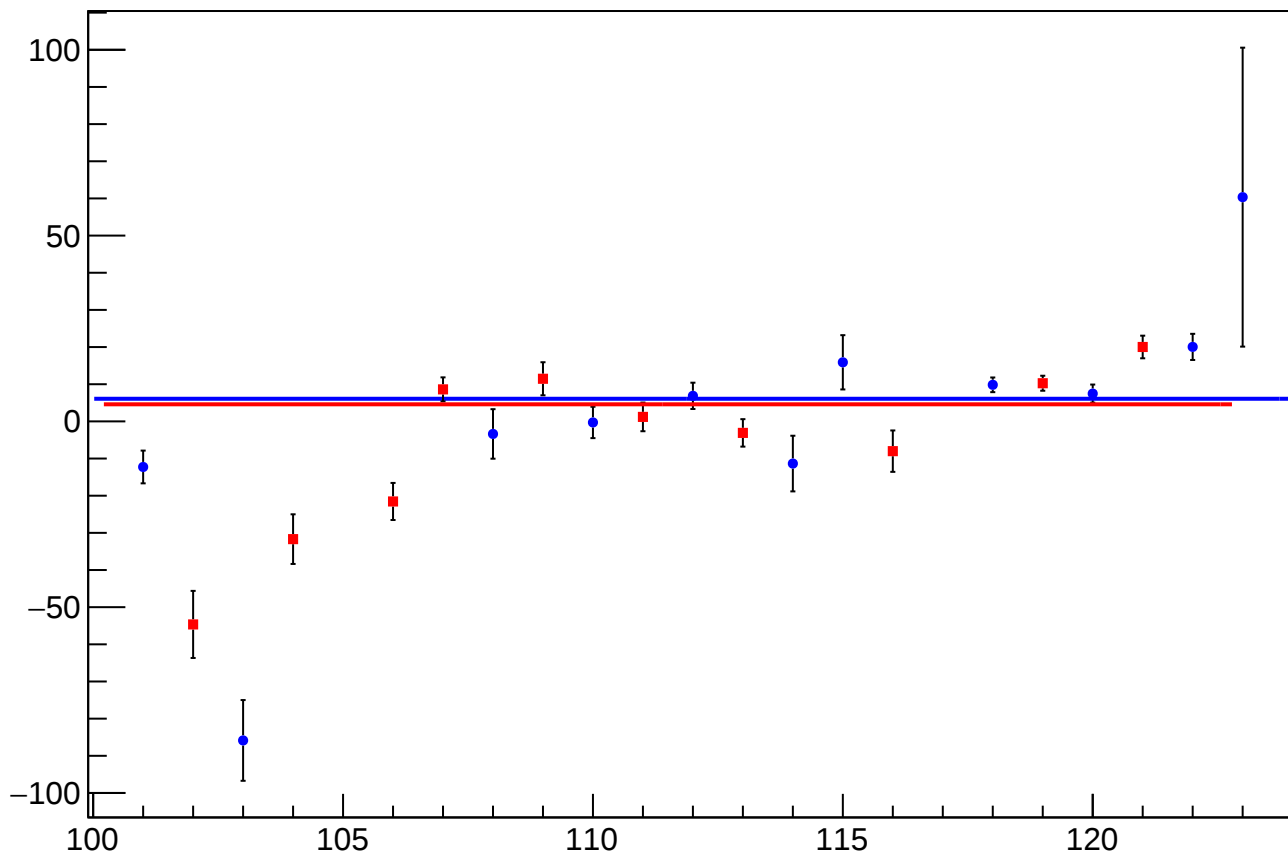
Right: 183.890 $\pm$ 1.349  $\chi^2$ /NDF: 685.2/20

In: 193.372 $\pm$ 2.014  $\chi^2$ /NDF:164.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 183.890 $\pm$ 1.349  $\chi^2$ /NDF: 685.2/20

reg\_asym\_atl\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.086+/-1.146  $\chi^2/\text{NDF}$ : 122.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 4.594+/-1.157  $\chi^2/\text{NDF}$ : 147.7/9

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

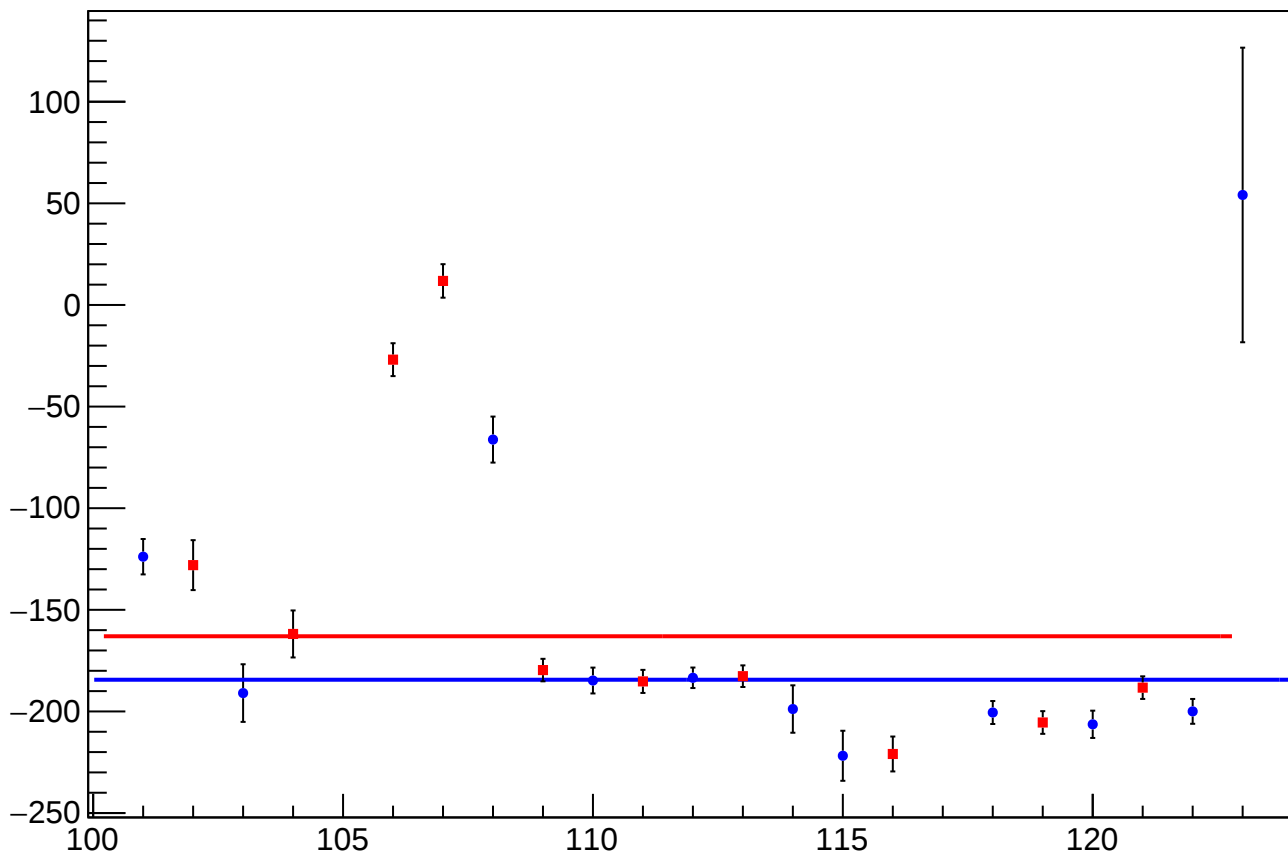
Right: 5.348+/-0.814  $\chi^2/\text{NDF}$ : 270.7/20

In: 6.086+/-1.146  $\chi^2/\text{NDF}$ : 122.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 5.348+/-0.814  $\chi^2/\text{NDF}$ : 270.7/20

reg\_asym\_atl\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -184.400+/-2.329  $\chi^2$ /NDF: 204.4/10

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -163.010+/-2.126  $\chi^2$ /NDF: 902.7/9

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

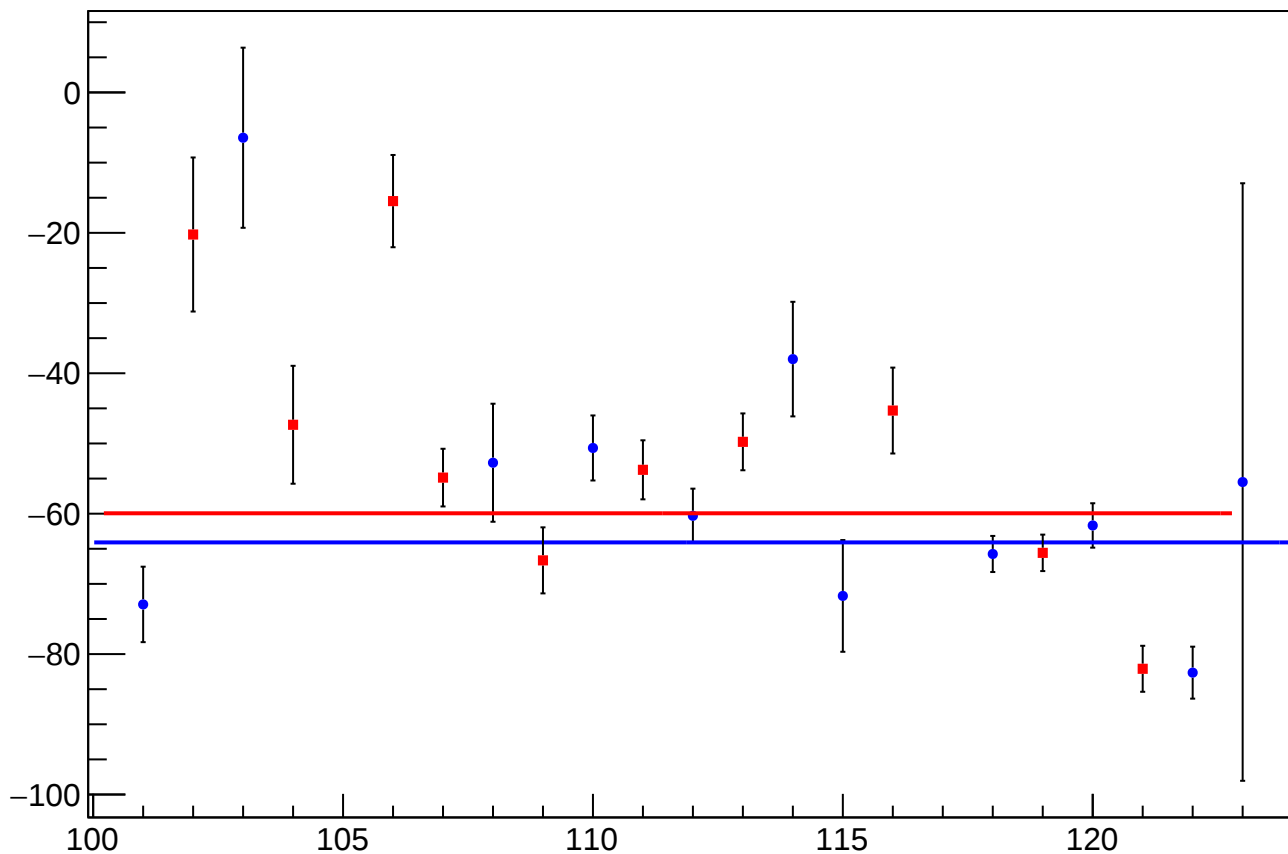
Right: -172.736+/-1.570  $\chi^2$ /NDF: 1153.2/20

In: -184.400+/-2.329  $\chi^2$ /NDF:204.4/10

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -172.736+/-1.570  $\chi^2$ /NDF: 1153.2/20

reg\_asym\_atl\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -64.092 $\pm$ 1.382  $\chi^2$ /NDF: 71.4/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: -59.945 $\pm$ 1.366  $\chi^2$ /NDF: 129.3/9

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

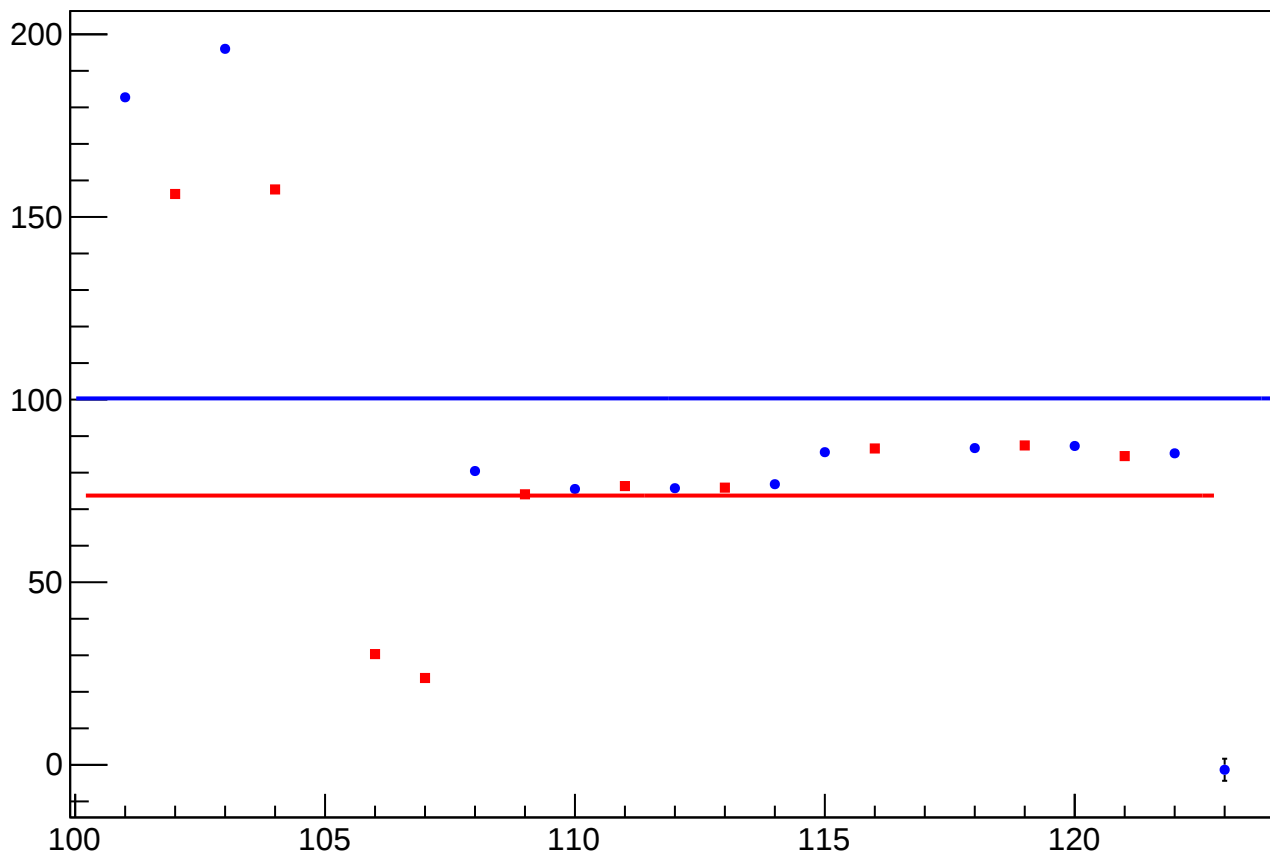
Right: -61.995 $\pm$ 0.971  $\chi^2$ /NDF: 205.3/20

In: -64.092 $\pm$ 1.382  $\chi^2$ /NDF: 71.4/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: -61.995 $\pm$ 0.971  $\chi^2$ /NDF: 205.3/20

reg\_asym\_atl\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 100.326+/-0.093  $\chi^2/\text{NDF}$ : 195383.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 73.729+/-0.078  $\chi^2/\text{NDF}$ : 286299.6/9

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

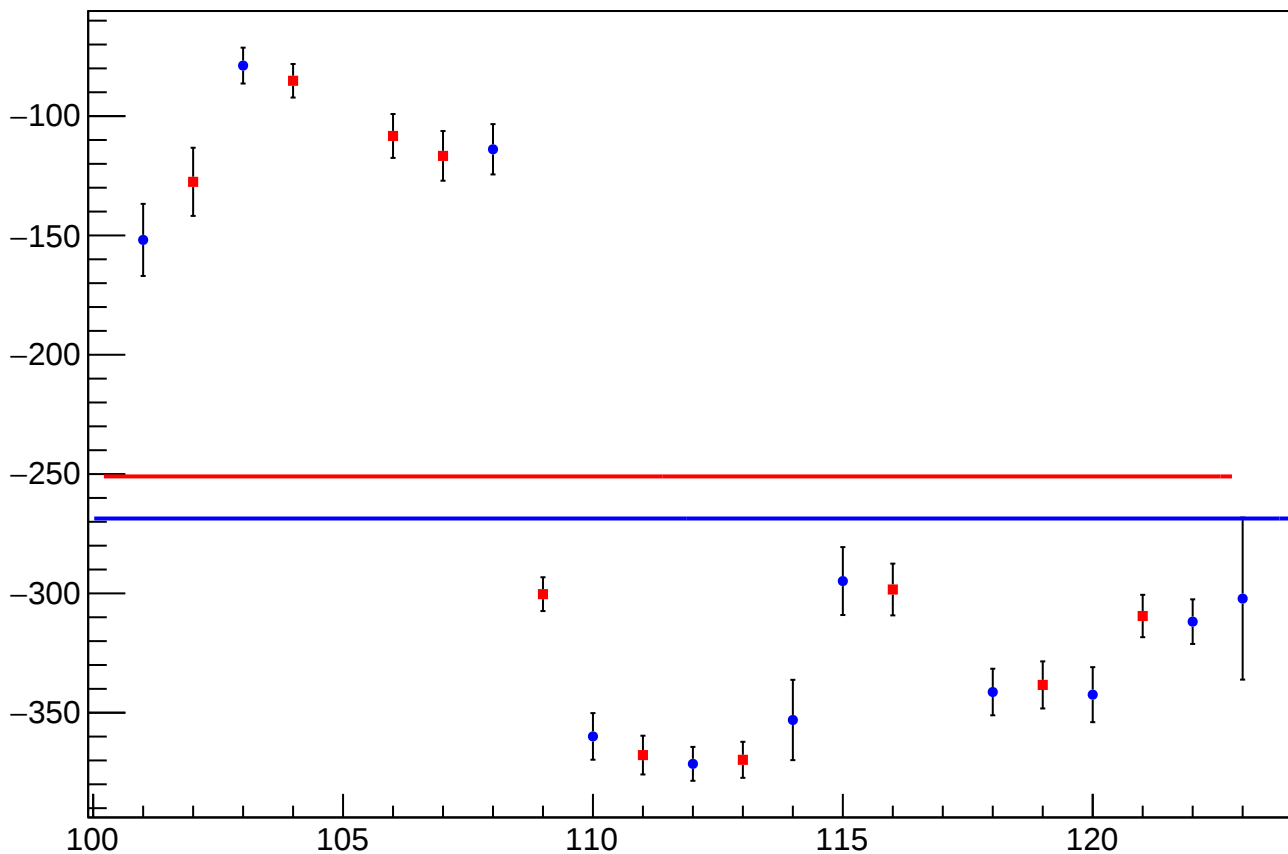
Right: 84.736+/-0.060  $\chi^2/\text{NDF}$ : 529923.3/20

In: 100.326+/-0.093  $\chi^2/\text{NDF}$ : 195383.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 84.736+/-0.060  $\chi^2/\text{NDF}$ : 529923.3/20

reg\_asym\_atr\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -268.618+/-3.159  $\chi^2/\text{NDF}$ : 1358.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -250.981+/-2.771  $\chi^2/\text{NDF}$ : 1680.6/9

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

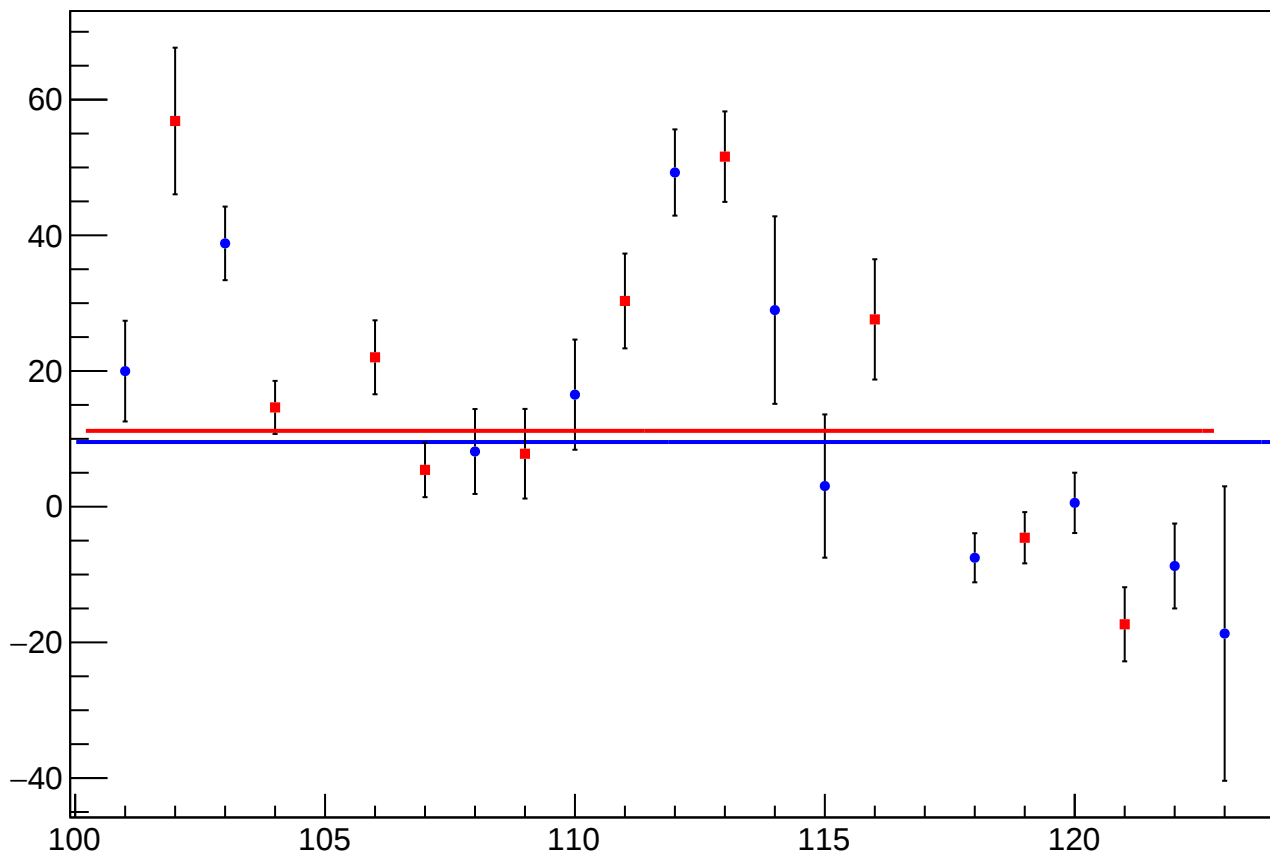
Right: -258.652+/-2.083  $\chi^2/\text{NDF}$ : 3056.2/20

In: -268.618+/-3.159  $\chi^2/\text{NDF}$ : 1358.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -258.652+/-2.083  $\chi^2/\text{NDF}$ : 3056.2/20

reg\_asym\_atr\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.531+/-1.869  $\chi^2/\text{NDF}$ : 109.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 11.178+/-1.687  $\chi^2/\text{NDF}$ : 117.2/9

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

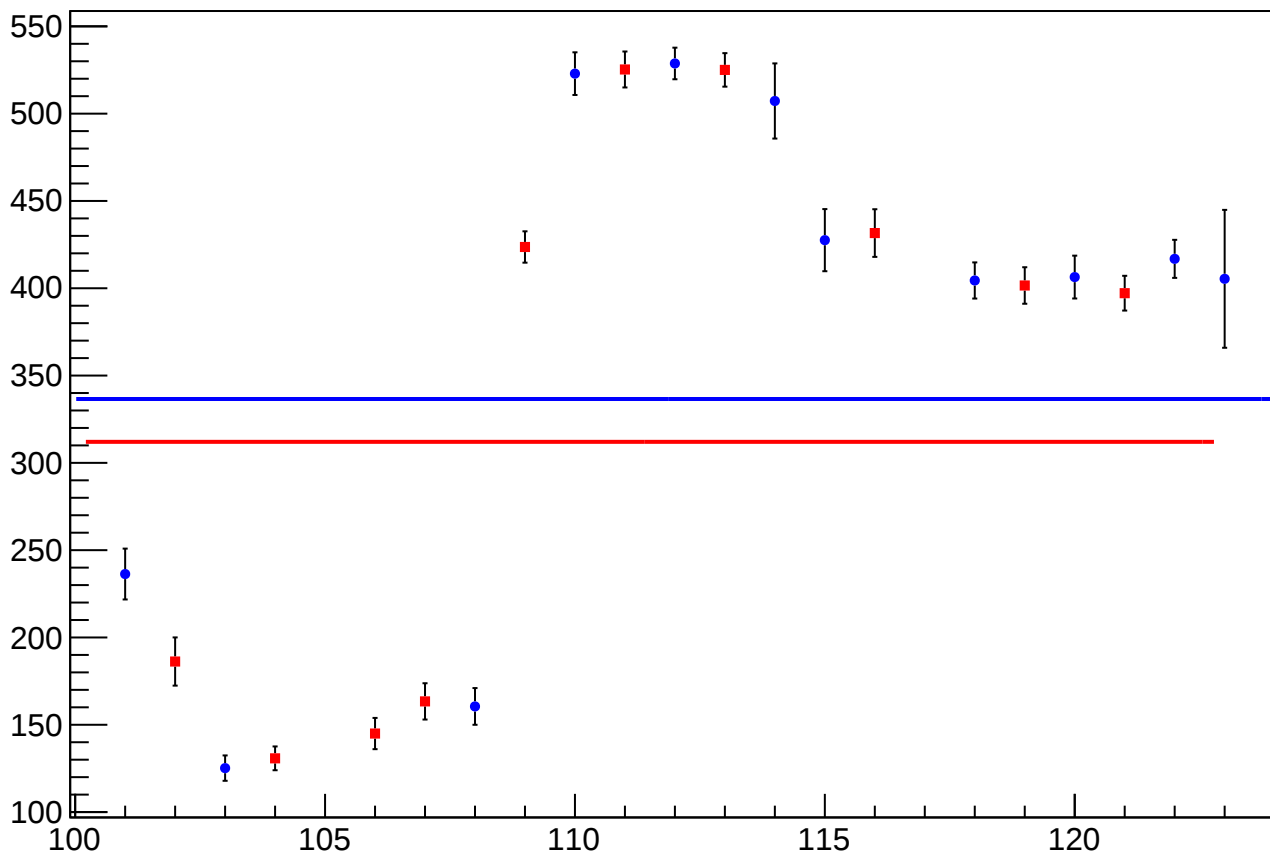
Right: 10.438+/-1.252  $\chi^2/\text{NDF}$ : 227.5/20

In: 9.531+/-1.869  $\chi^2/\text{NDF}$ : 109.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.438+/-1.252  $\chi^2/\text{NDF}$ : 227.5/20

reg\_asym\_atr\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 336.575+/-3.492  $\chi^2/\text{NDF}$ : 2080.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 312.042+/-3.073  $\chi^2/\text{NDF}$ : 2644.1/9

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

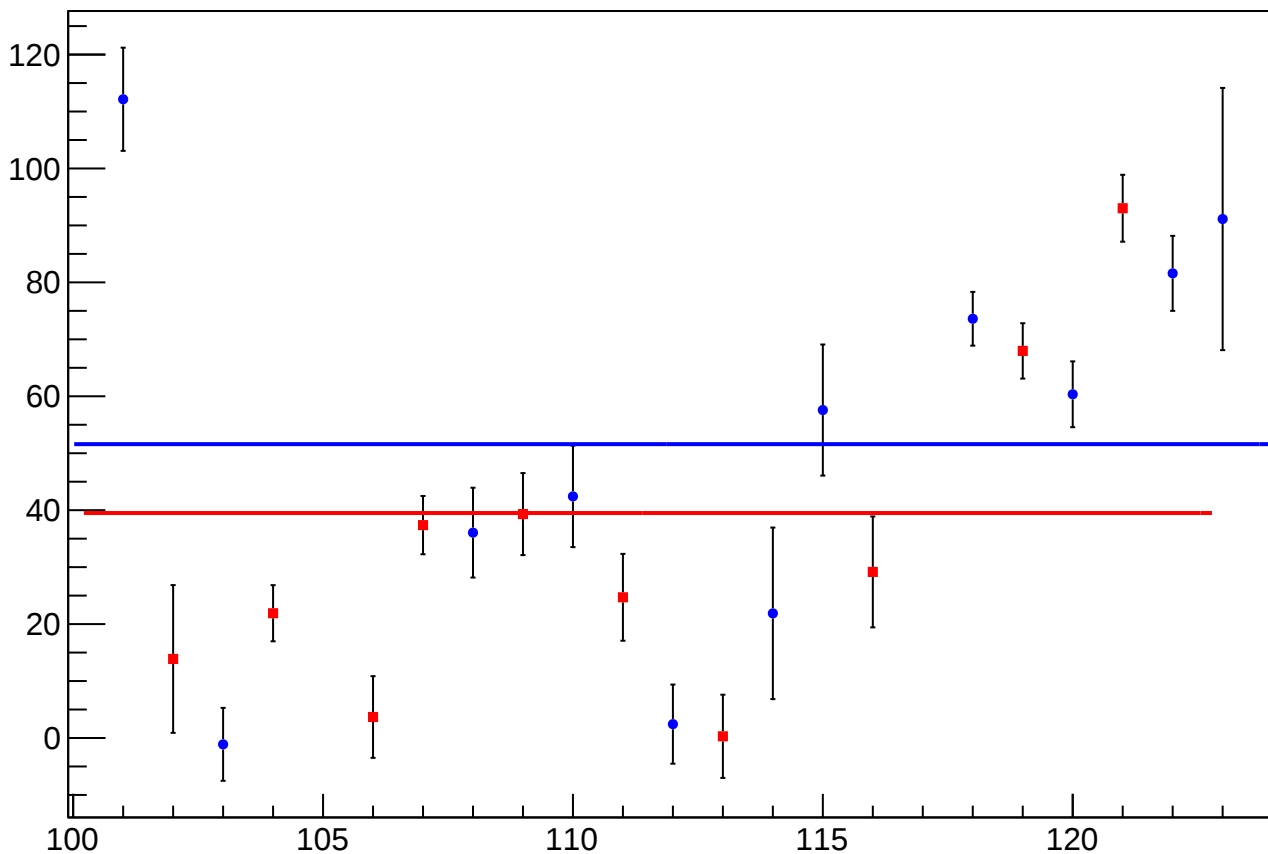
Right: 322.751+/-2.307  $\chi^2/\text{NDF}$ : 4752.6/20

In: 336.575+/-3.492  $\chi^2/\text{NDF}$ : 2080.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 322.751+/-2.307  $\chi^2/\text{NDF}$ : 4752.6/20

reg\_asym\_atr\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 51.595+/-2.249  $\chi^2/\text{NDF}$ : 219.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 39.503+/-2.034  $\chi^2/\text{NDF}$ : 192.7/9

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

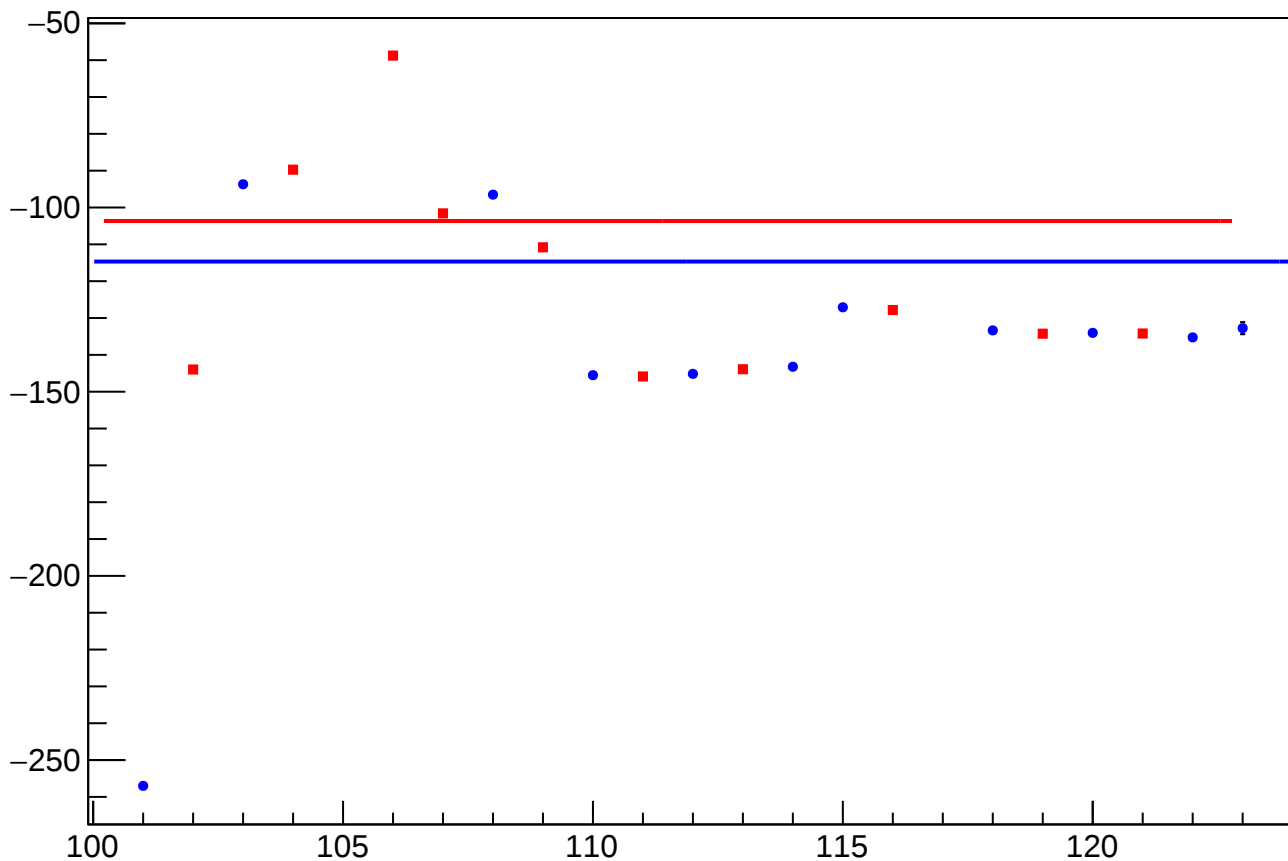
Right: 44.944+/-1.508  $\chi^2/\text{NDF}$ : 428.0/20

In: 51.595+/-2.249  $\chi^2/\text{NDF}$ : 219.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 44.944+/-1.508  $\chi^2/\text{NDF}$ : 428.0/20

reg\_asym\_atr\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -114.672+/-0.109  $\chi^2/\text{NDF}$ : 110693.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -103.660+/-0.096  $\chi^2/\text{NDF}$ : 82793.9/9

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

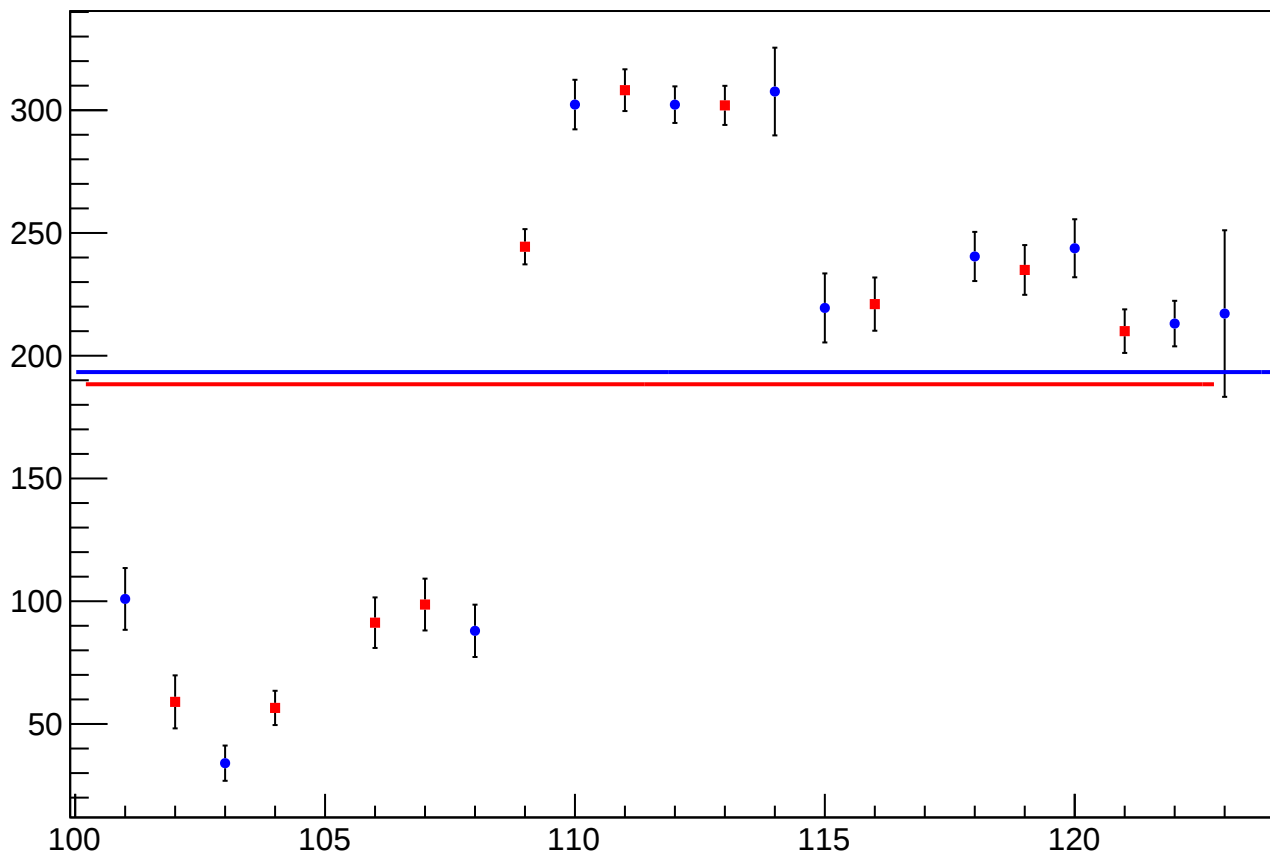
Right: -108.494+/-0.072  $\chi^2/\text{NDF}$ : 199211.8/20

In: -114.672+/-0.109  $\chi^2/\text{NDF}$ : 110693.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -108.494+/-0.072  $\chi^2/\text{NDF}$ : 199211.8/20

reg\_asym\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 193.338+/-3.159  $\chi^2/\text{NDF}$ : 1064.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 188.378+/-2.801  $\chi^2/\text{NDF}$ : 1160.5/9

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

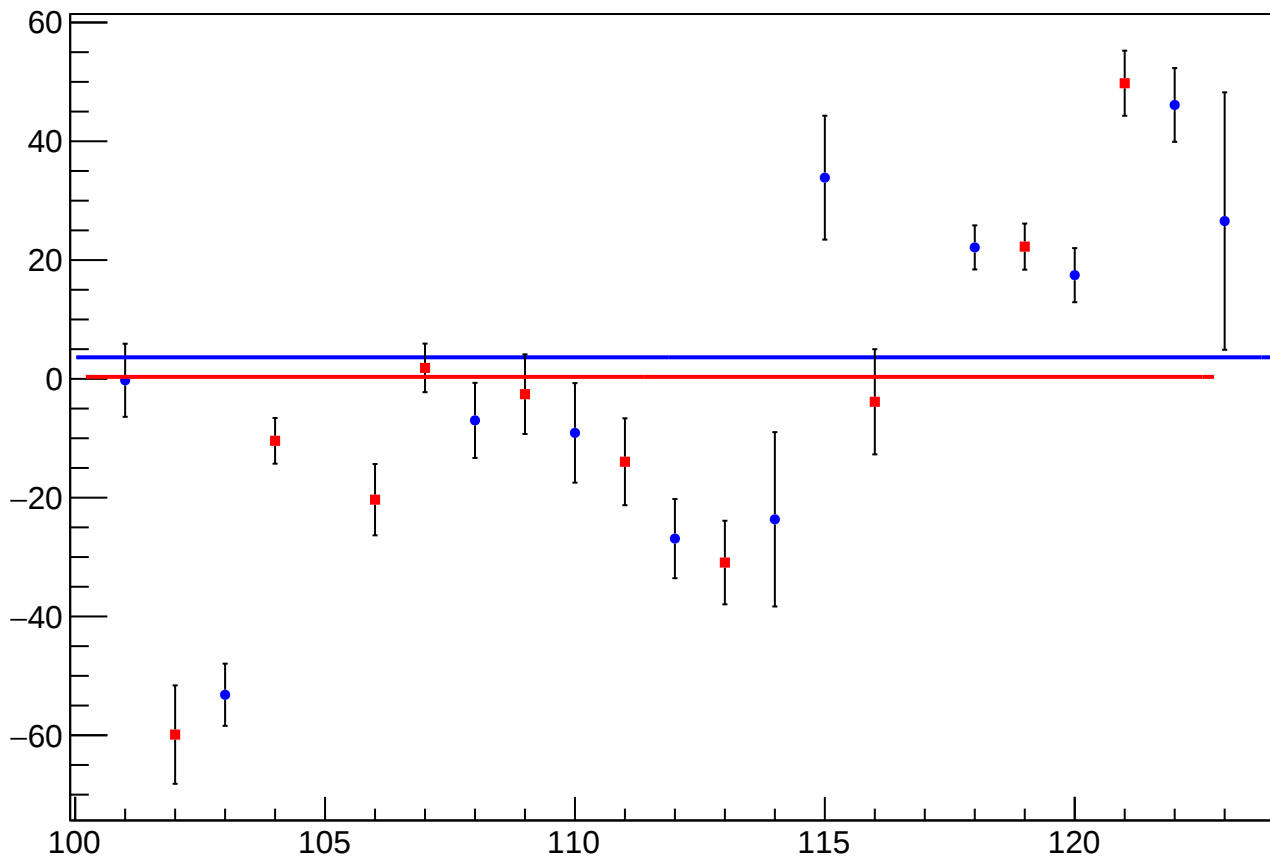
Right: 190.561+/-2.096  $\chi^2/\text{NDF}$ : 2226.1/20

In: 193.338+/-3.159  $\chi^2/\text{NDF}$ :1064.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 190.561+/-2.096  $\chi^2/\text{NDF}$ : 2226.1/20

reg\_asym\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.630+/-1.866  $\chi^2/\text{NDF}$ : 238.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.335+/-1.707  $\chi^2/\text{NDF}$ : 209.9/9

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

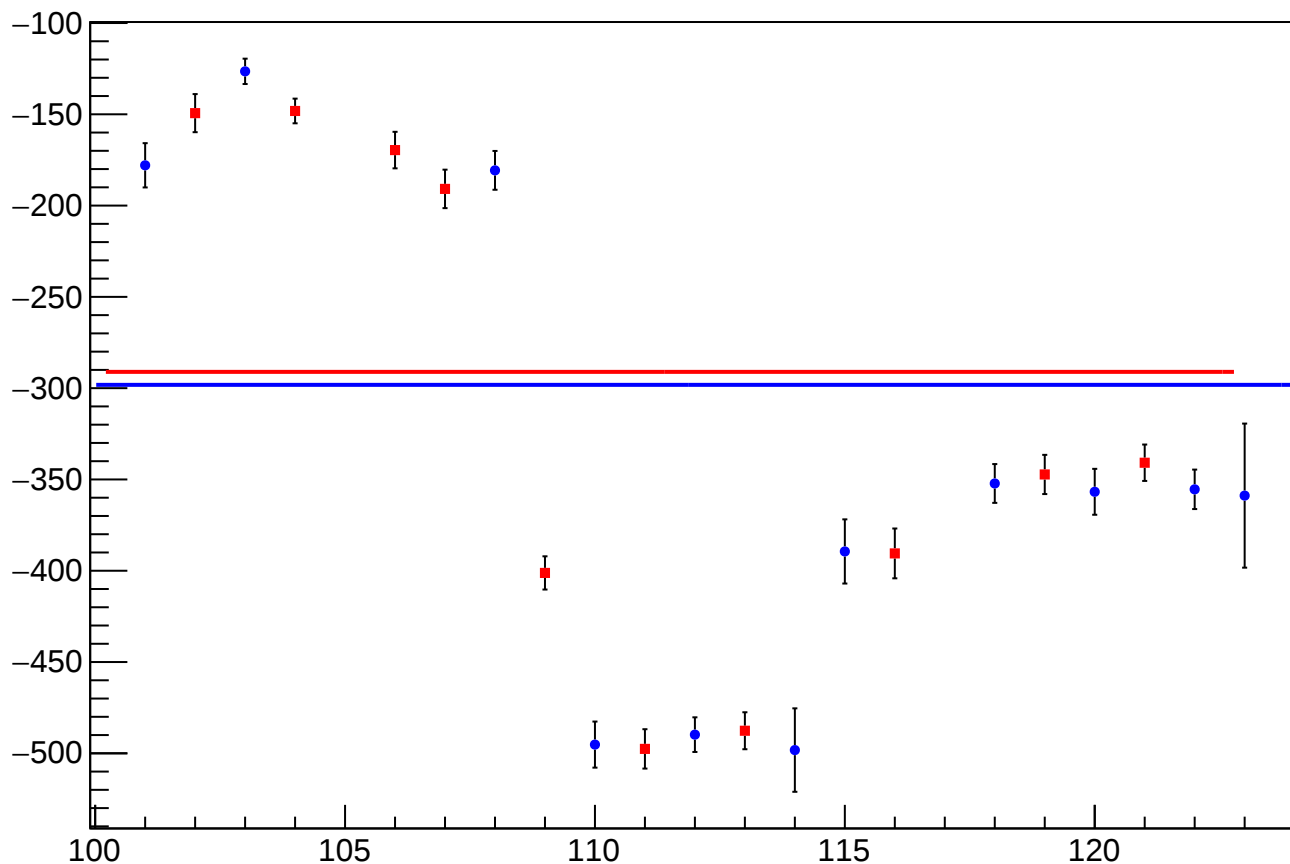
Right: 1.837+/-1.259  $\chi^2/\text{NDF}$ : 449.8/20

In: 3.630+/-1.866  $\chi^2/\text{NDF}$ : 238.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.837+/-1.259  $\chi^2/\text{NDF}$ : 449.8/20

reg\_asym\_atr\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -298.185+/-3.464  $\chi^2/\text{NDF}$ : 1665.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -291.071+/-3.091  $\chi^2/\text{NDF}$ : 1865.4/9

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

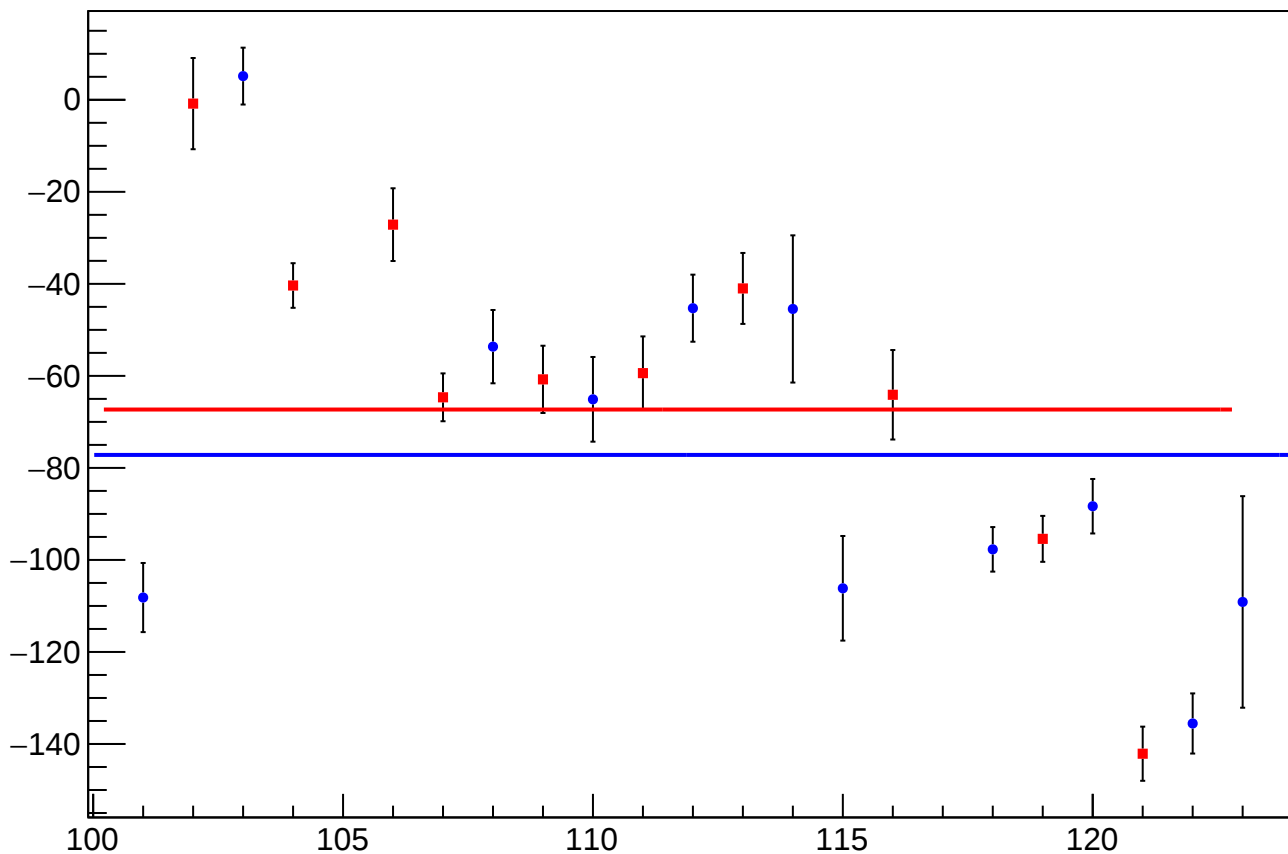
Right: -294.224+/-2.306  $\chi^2/\text{NDF}$ : 3533.1/20

In: -298.185+/-3.464  $\chi^2/\text{NDF}$ : 1665.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -294.224+/-2.306  $\chi^2/\text{NDF}$ : 3533.1/20

reg\_asym\_atr\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -77.177 $\pm$ 2.245  $\chi^2$ /NDF: 337.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -67.312 $\pm$ 2.057  $\chi^2$ /NDF: 308.8/9

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

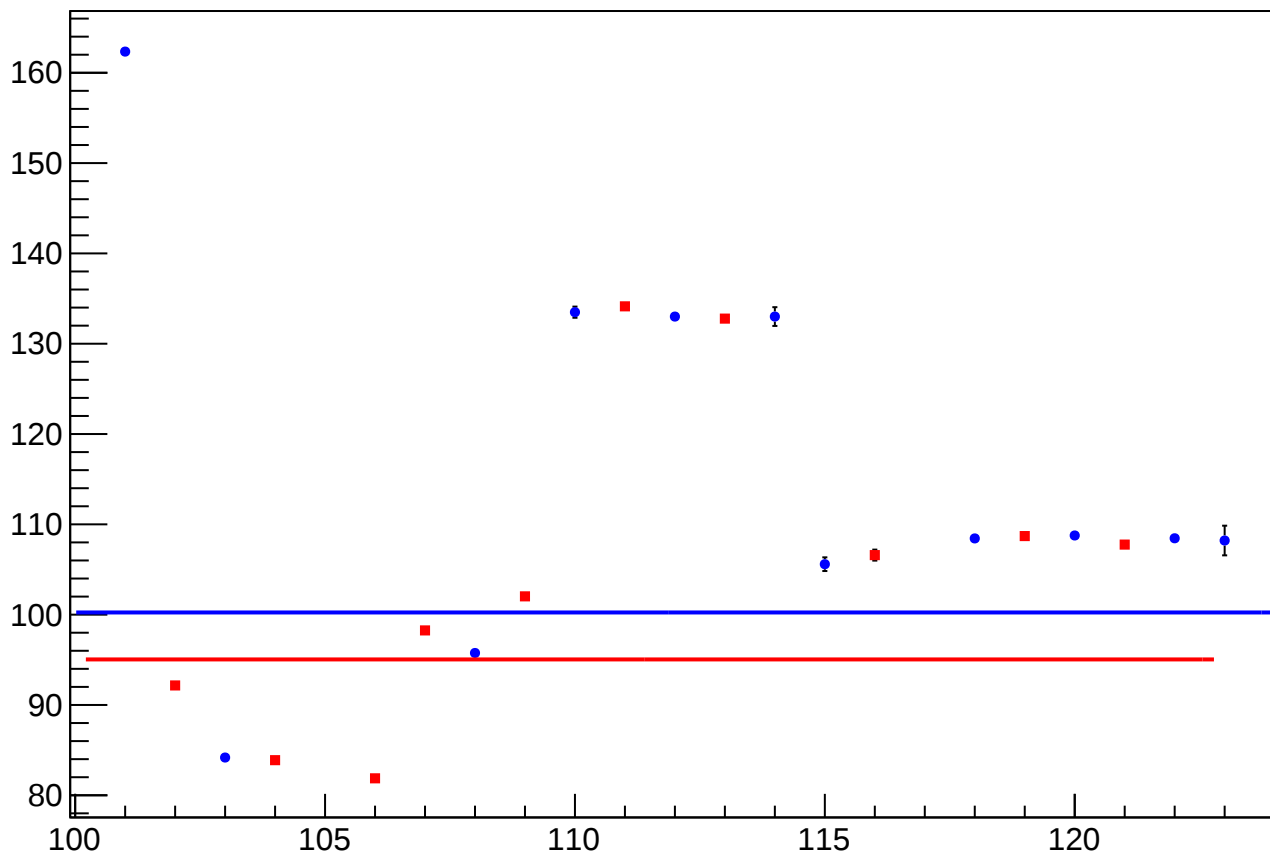
Right: -71.814 $\pm$ 1.516  $\chi^2$ /NDF: 657.1/20

In: -77.177 $\pm$ 2.245  $\chi^2$ /NDF:337.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -71.814 $\pm$ 1.516  $\chi^2$ /NDF: 657.1/20

reg\_asym\_atr\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 100.242+/-0.107  $\chi^2/\text{NDF}$ : 41838.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 95.042+/-0.095  $\chi^2/\text{NDF}$ : 22116.1/9

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

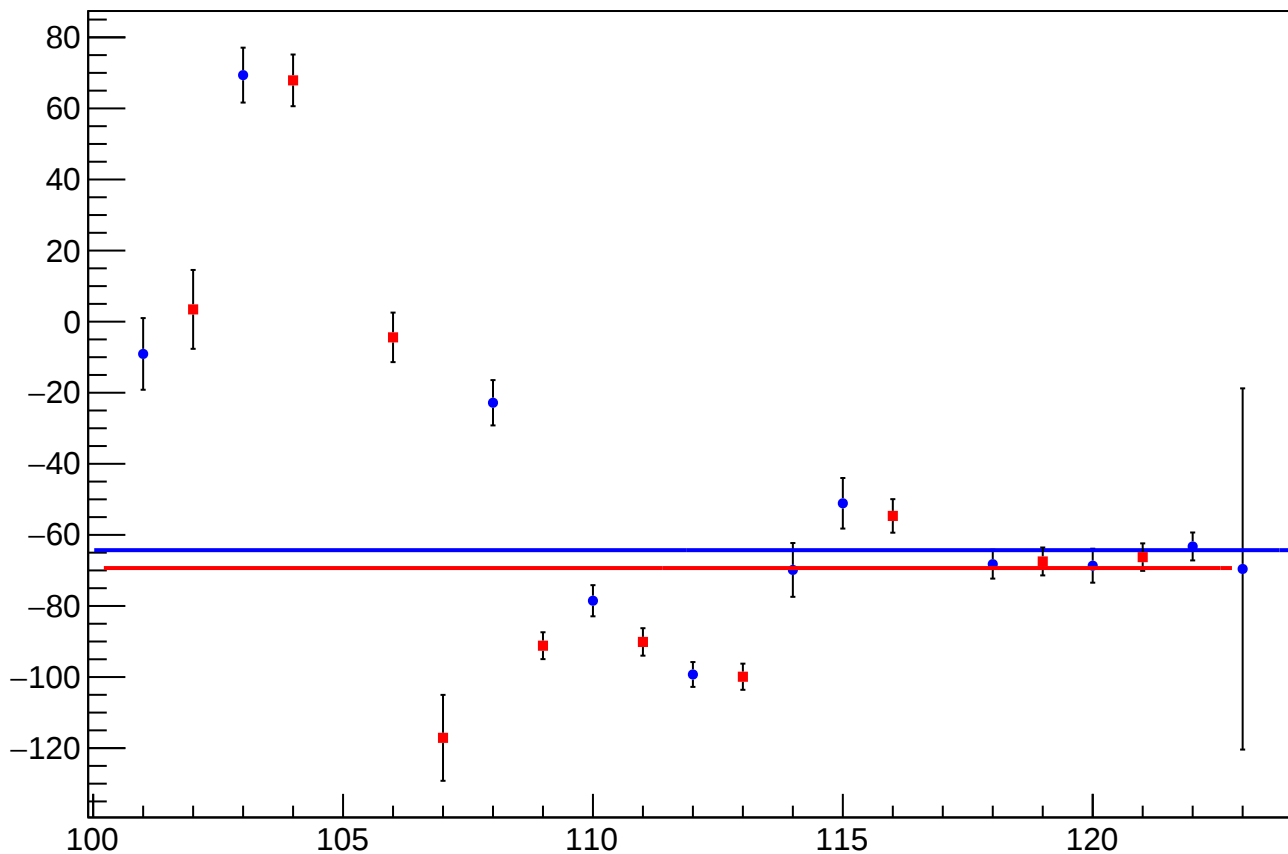
Right: 97.342+/-0.071  $\chi^2/\text{NDF}$ : 65279.5/20

In: 100.242+/-0.107  $\chi^2/\text{NDF}$ : 41838.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 97.342+/-0.071  $\chi^2/\text{NDF}$ : 65279.5/20

reg\_asym\_at1\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -64.300+/-1.598  $\chi^2/\text{NDF}$ : 488.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -69.332+/-1.504  $\chi^2/\text{NDF}$ : 643.6/9

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

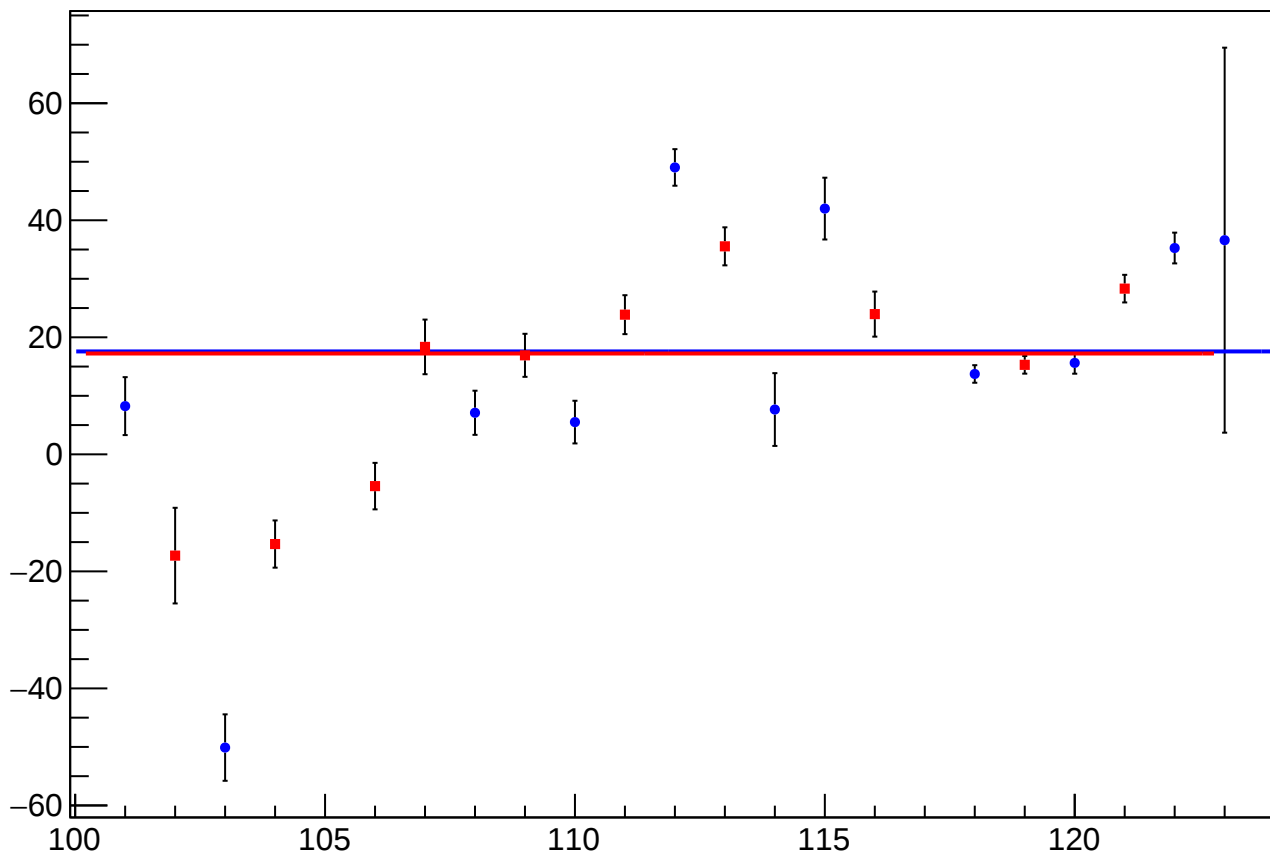
Right: -66.968+/-1.095  $\chi^2/\text{NDF}$ : 1137.2/20

In: -64.300+/-1.598  $\chi^2/\text{NDF}$ : 488.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -66.968+/-1.095  $\chi^2/\text{NDF}$ : 1137.2/20

reg\_asym\_at1\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 17.585 $\pm$ 0.889  $\chi^2$ /NDF: 342.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 17.230 $\pm$ 0.939  $\chi^2$ /NDF: 178.2/9

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

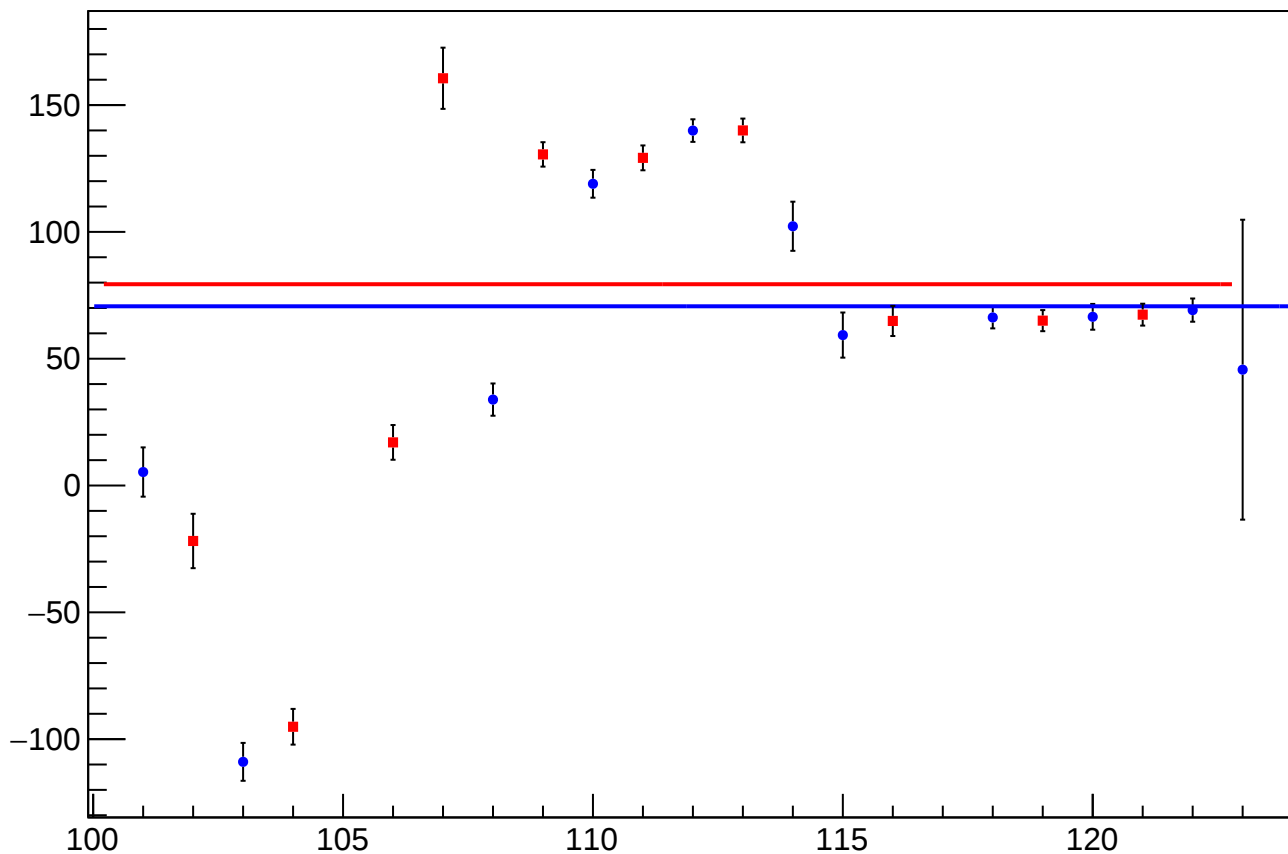
Right: 17.418 $\pm$ 0.646  $\chi^2$ /NDF: 521.0/20

In: 17.585 $\pm$ 0.889  $\chi^2$ /NDF: 342.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 17.418 $\pm$ 0.646  $\chi^2$ /NDF: 521.0/20

reg\_asym\_at1\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 70.666+/-1.824  $\chi^2/\text{NDF}$ : 991.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 79.367+/-1.747  $\chi^2/\text{NDF}$ : 1241.9/9

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

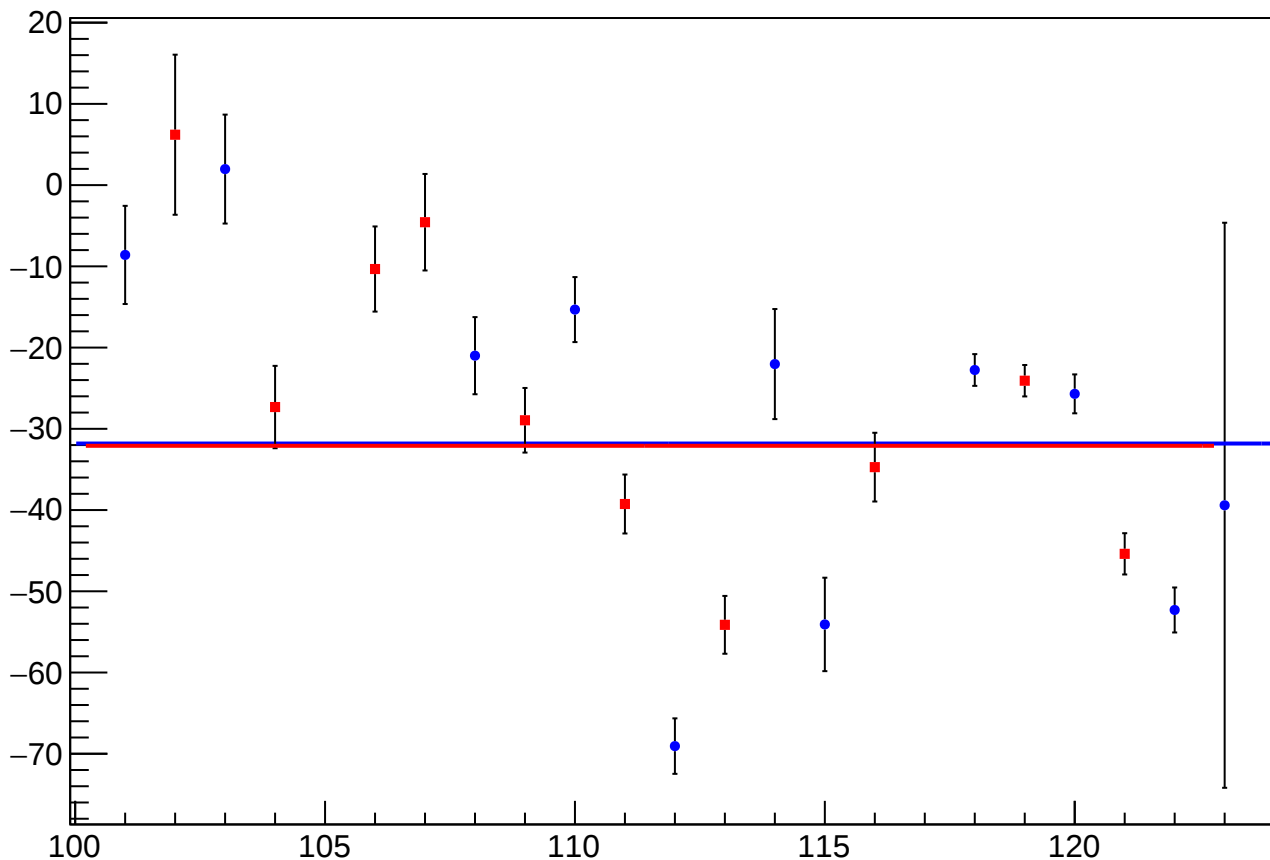
Right: 75.202+/-1.262  $\chi^2/\text{NDF}$ : 2244.8/20

In: 70.666+/-1.824  $\chi^2/\text{NDF}$ : 991.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 75.202+/-1.262  $\chi^2/\text{NDF}$ : 2244.8/20

reg\_asym\_at1\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -31.811+/-1.078  $\chi^2/\text{NDF}$ : 281.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -32.089+/-1.111  $\chi^2/\text{NDF}$ : 142.5/9

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

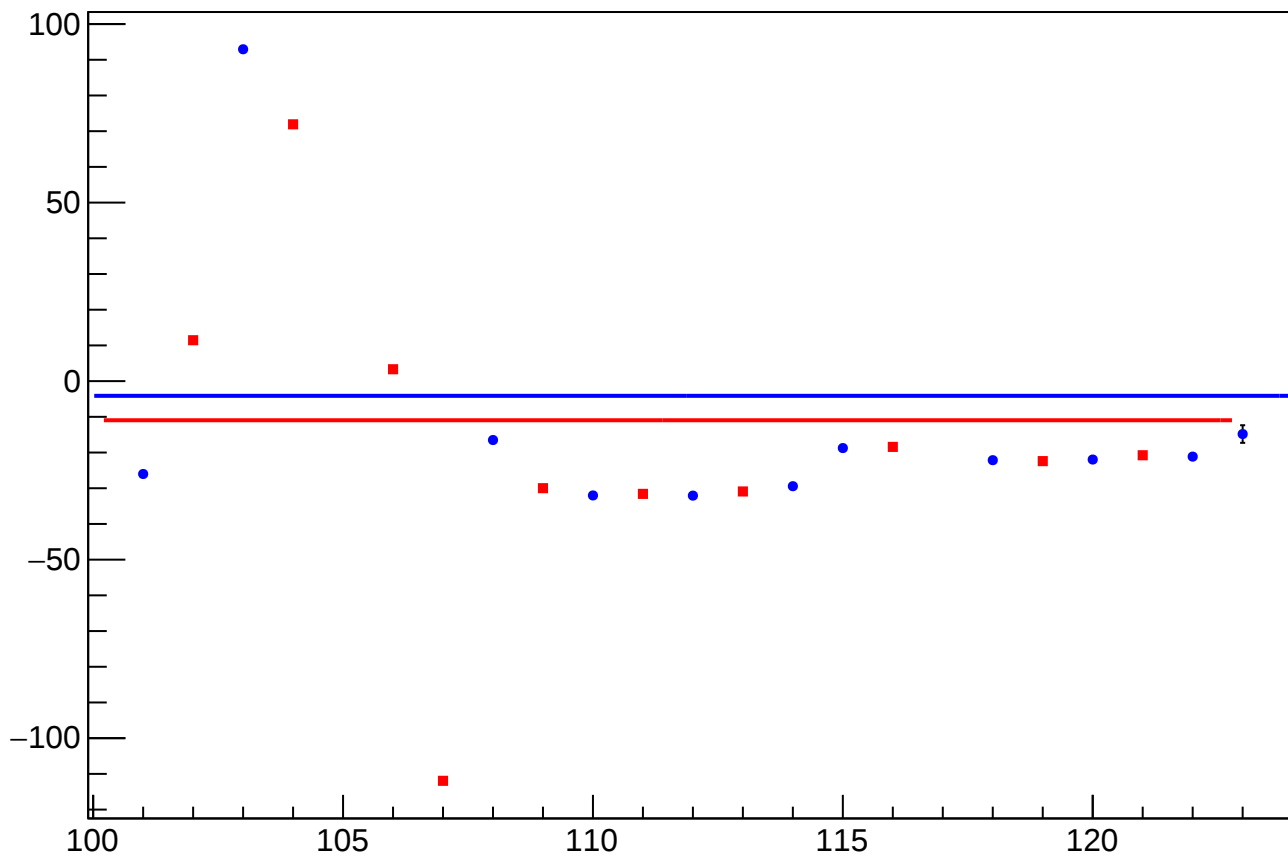
Right: -31.946+/-0.774  $\chi^2/\text{NDF}$ : 423.6/20

In: -31.811+/-1.078  $\chi^2/\text{NDF}$ : 281.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -31.946+/-0.774  $\chi^2/\text{NDF}$ : 423.6/20

reg\_asym\_at1\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -4.119+/-0.067  $\chi^2/\text{NDF}$ : 405908.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -10.958+/-0.066  $\chi^2/\text{NDF}$ : 395831.5/9

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

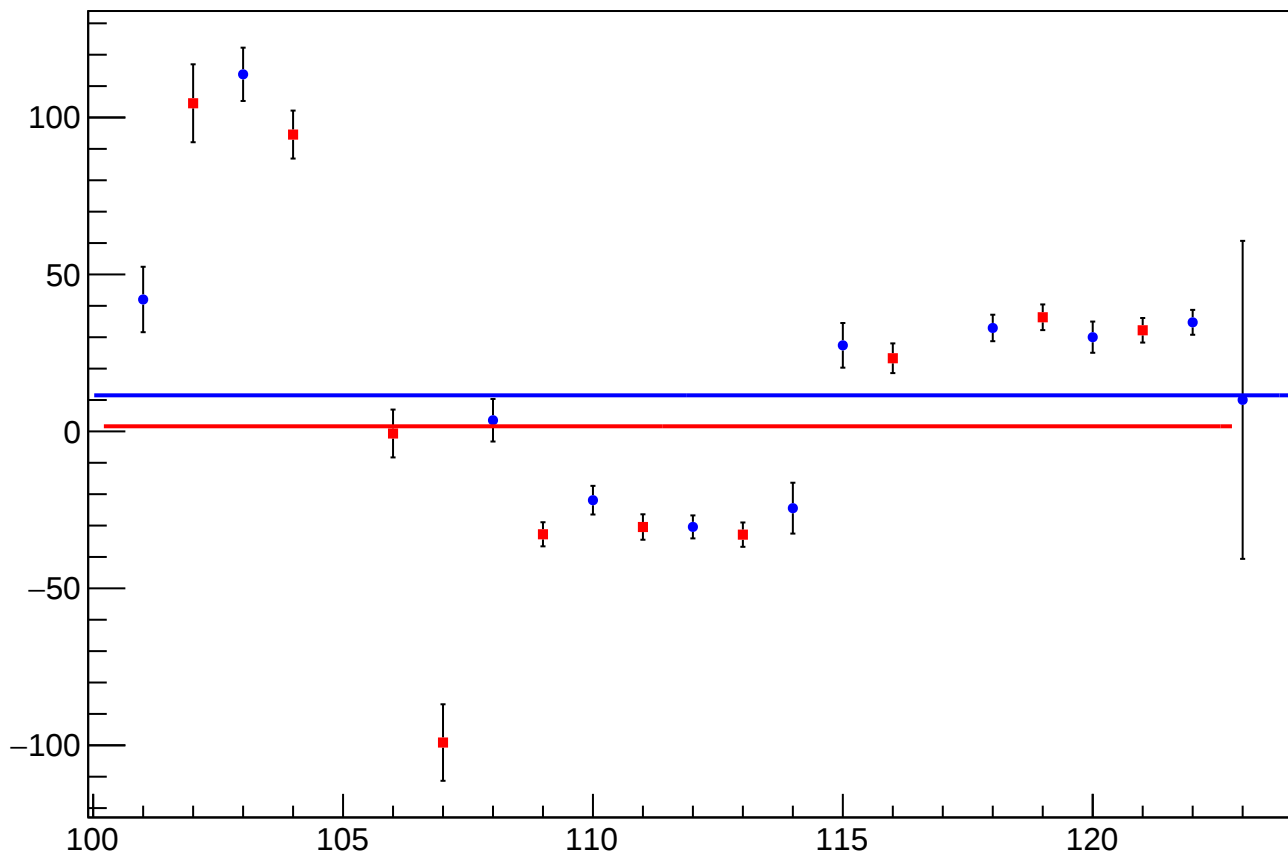
Right: -7.620+/-0.047  $\chi^2/\text{NDF}$ : 807045.1/20

In: -4.119+/-0.067  $\chi^2/\text{NDF}$ :405908.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -7.620+/-0.047  $\chi^2/\text{NDF}$ : 807045.1/20

reg\_asym\_at1\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 11.492+/-1.660  $\chi^2/\text{NDF}$ : 438.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.626+/-1.557  $\chi^2/\text{NDF}$ : 661.4/9

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

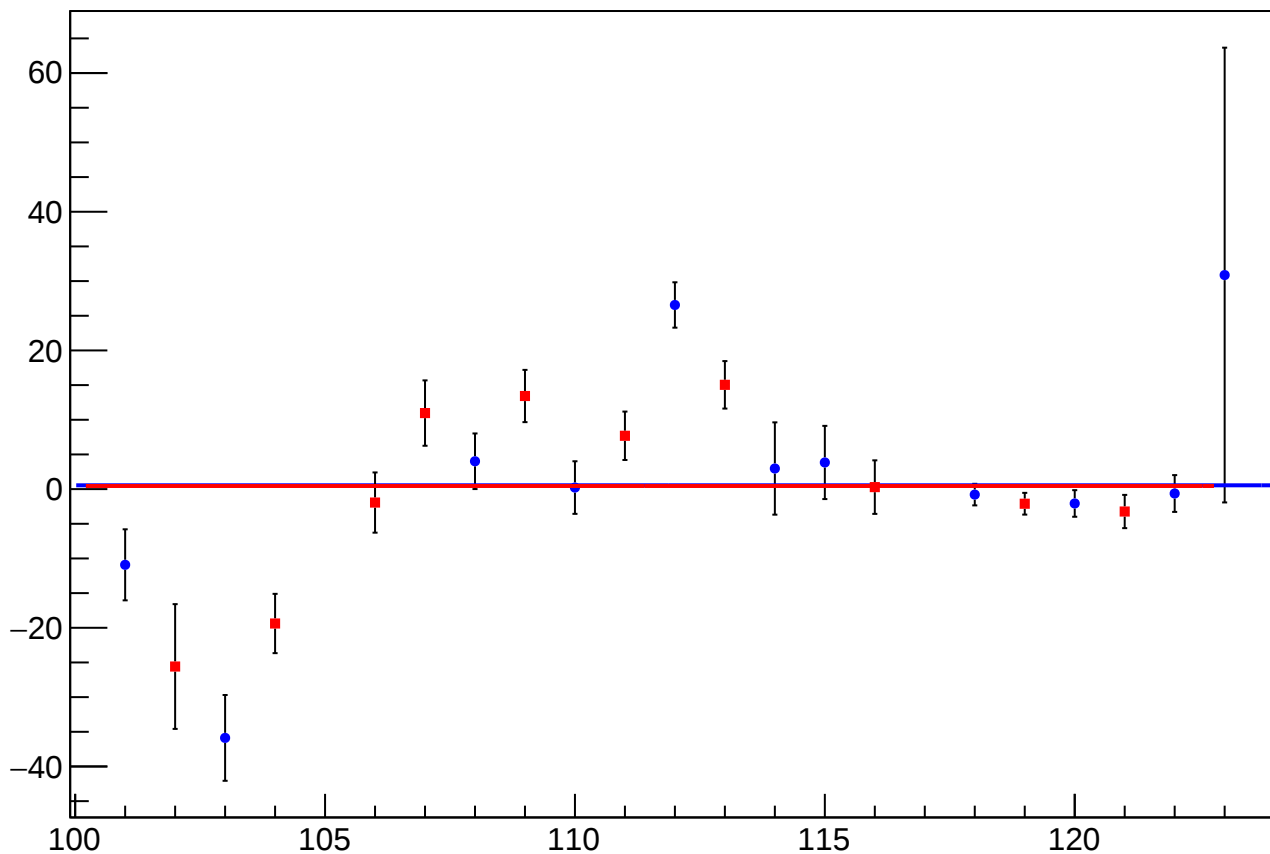
Right: 6.245+/-1.136  $\chi^2/\text{NDF}$ : 1118.7/20

In: 11.492+/-1.660  $\chi^2/\text{NDF}$ : 438.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.245+/-1.136  $\chi^2/\text{NDF}$ : 1118.7/20

reg\_asym\_at1\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 0.549+/-0.922  $\chi^2/\text{NDF}$ : 107.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.451+/-0.976  $\chi^2/\text{NDF}$ : 74.5/9

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

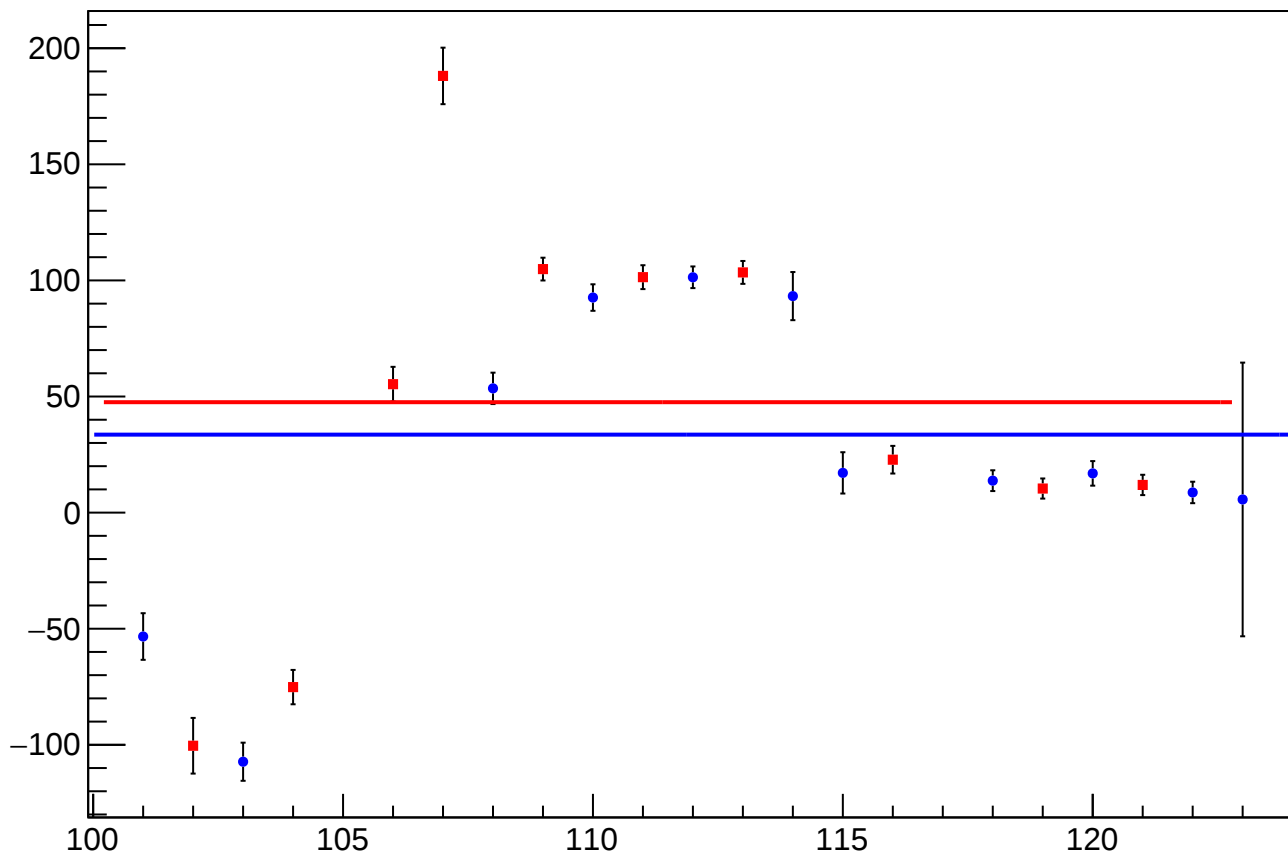
Right: 0.503+/-0.670  $\chi^2/\text{NDF}$ : 182.3/20

In: 0.549+/-0.922  $\chi^2/\text{NDF}$ : 107.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.503+/-0.670  $\chi^2/\text{NDF}$ : 182.3/20

reg\_asym\_at1\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 33.584+/-1.896  $\chi^2/\text{NDF}$ : 791.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 47.556+/-1.813  $\chi^2/\text{NDF}$ : 1094.1/9

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

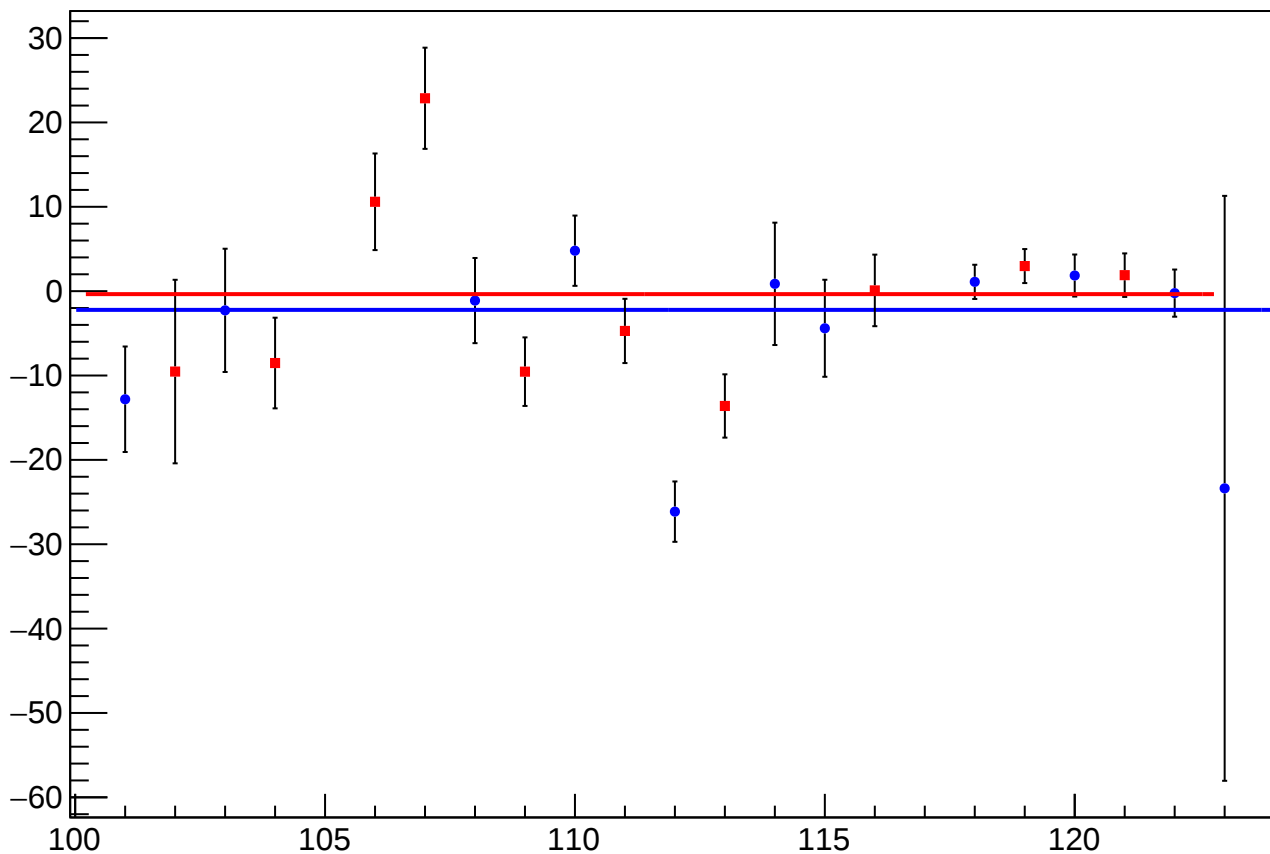
Right: 40.883+/-1.311  $\chi^2/\text{NDF}$ : 1914.2/20

In: 33.584+/-1.896  $\chi^2/\text{NDF}$ : 791.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 40.883+/-1.311  $\chi^2/\text{NDF}$ : 1914.2/20

reg\_asym\_at1\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -2.219+/-1.117  $\chi^2/\text{NDF}$ : 57.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -0.352+/-1.152  $\chi^2/\text{NDF}$ : 44.1/9

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

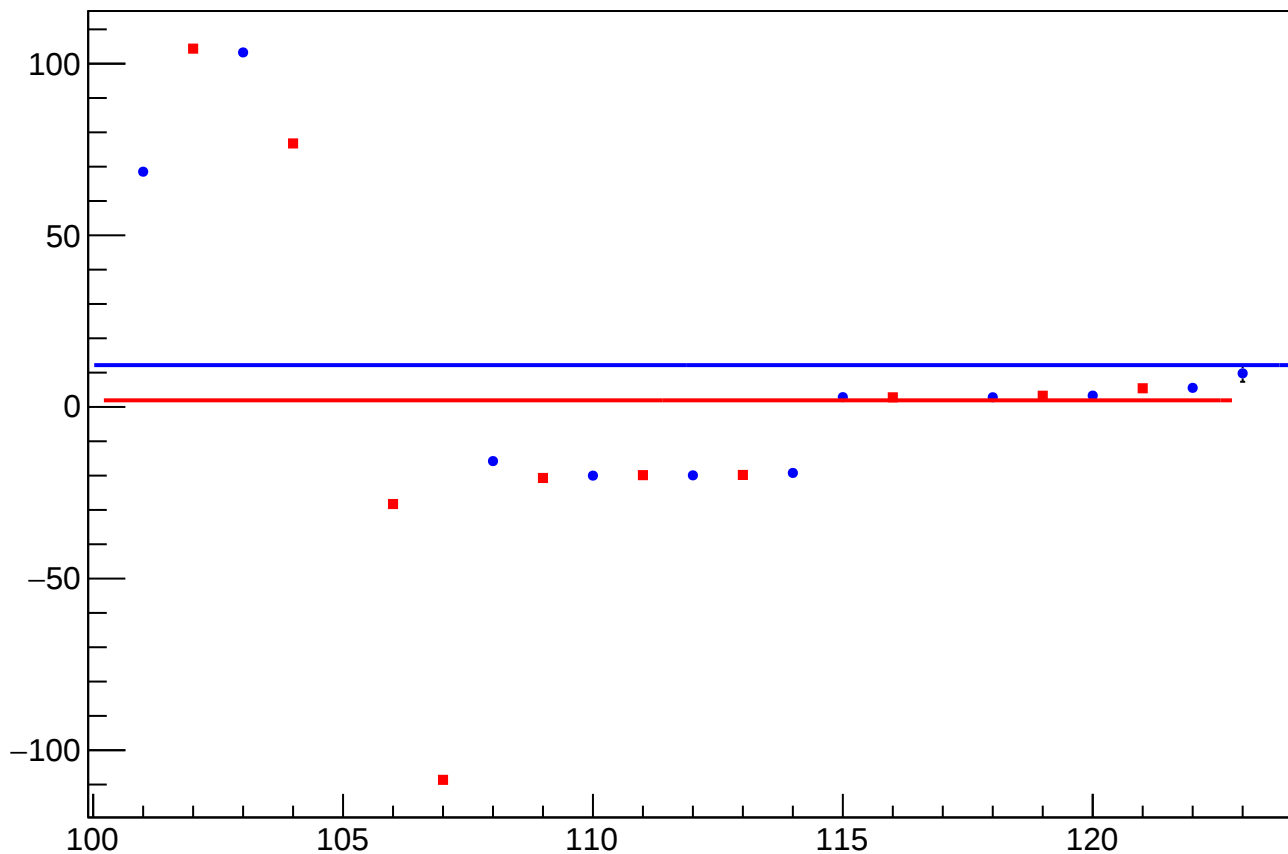
Right: -1.314+/-0.802  $\chi^2/\text{NDF}$ : 102.4/20

In: -2.219+/-1.117  $\chi^2/\text{NDF}$ : 57.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.314+/-0.802  $\chi^2/\text{NDF}$ : 102.4/20

reg\_asym\_at1\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 12.184+/-0.071  $\chi^2/\text{NDF}$ : 348133.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.927+/-0.069  $\chi^2/\text{NDF}$ : 503807.8/9

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

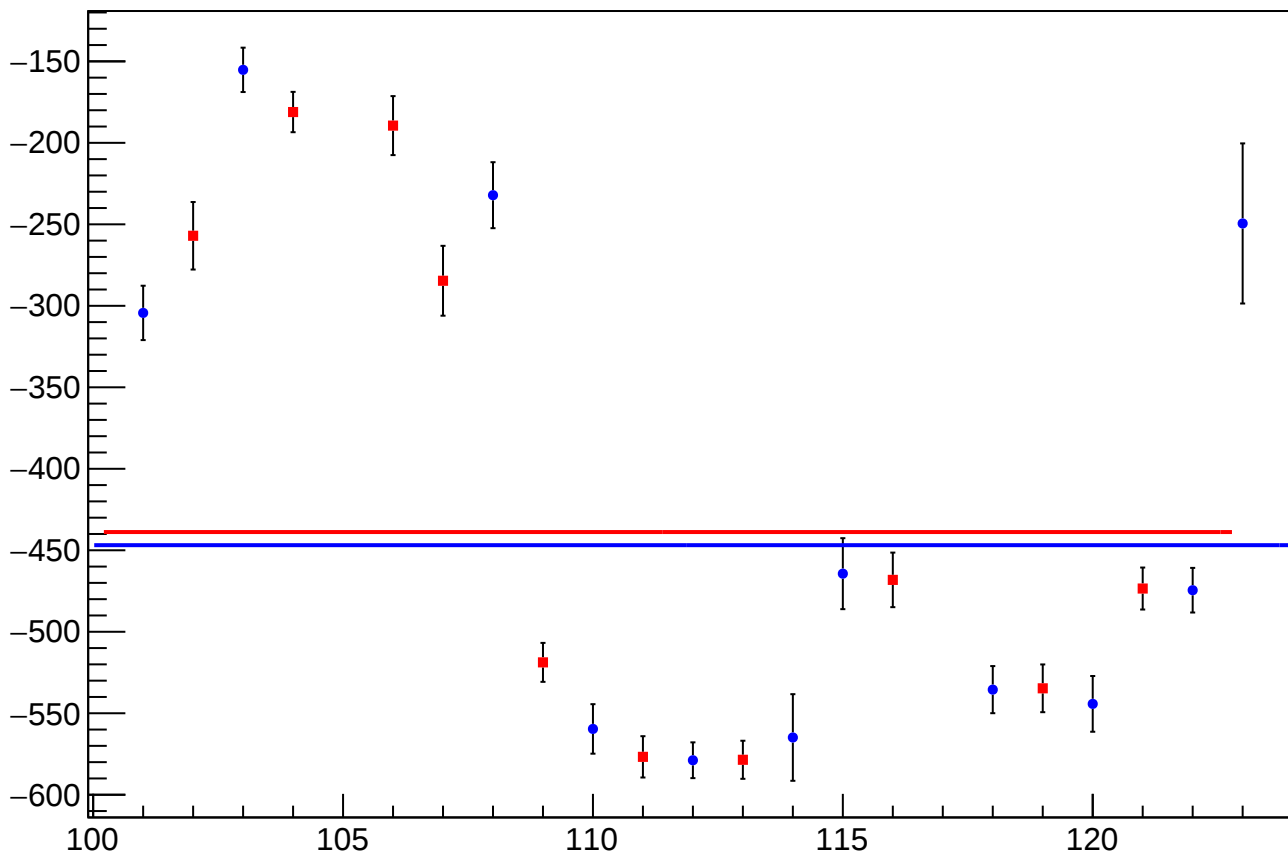
Right: 6.926+/-0.049  $\chi^2/\text{NDF}$ : 862777.3/20

In: 12.184+/-0.071  $\chi^2/\text{NDF}$ : 348133.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 6.926+/-0.049  $\chi^2/\text{NDF}$ : 862777.3/20

reg\_asym\_at2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -446.865+/-4.906  $\chi^2/\text{NDF}$ : 955.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -438.810+/-4.522  $\chi^2/\text{NDF}$ : 1111.8/9

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

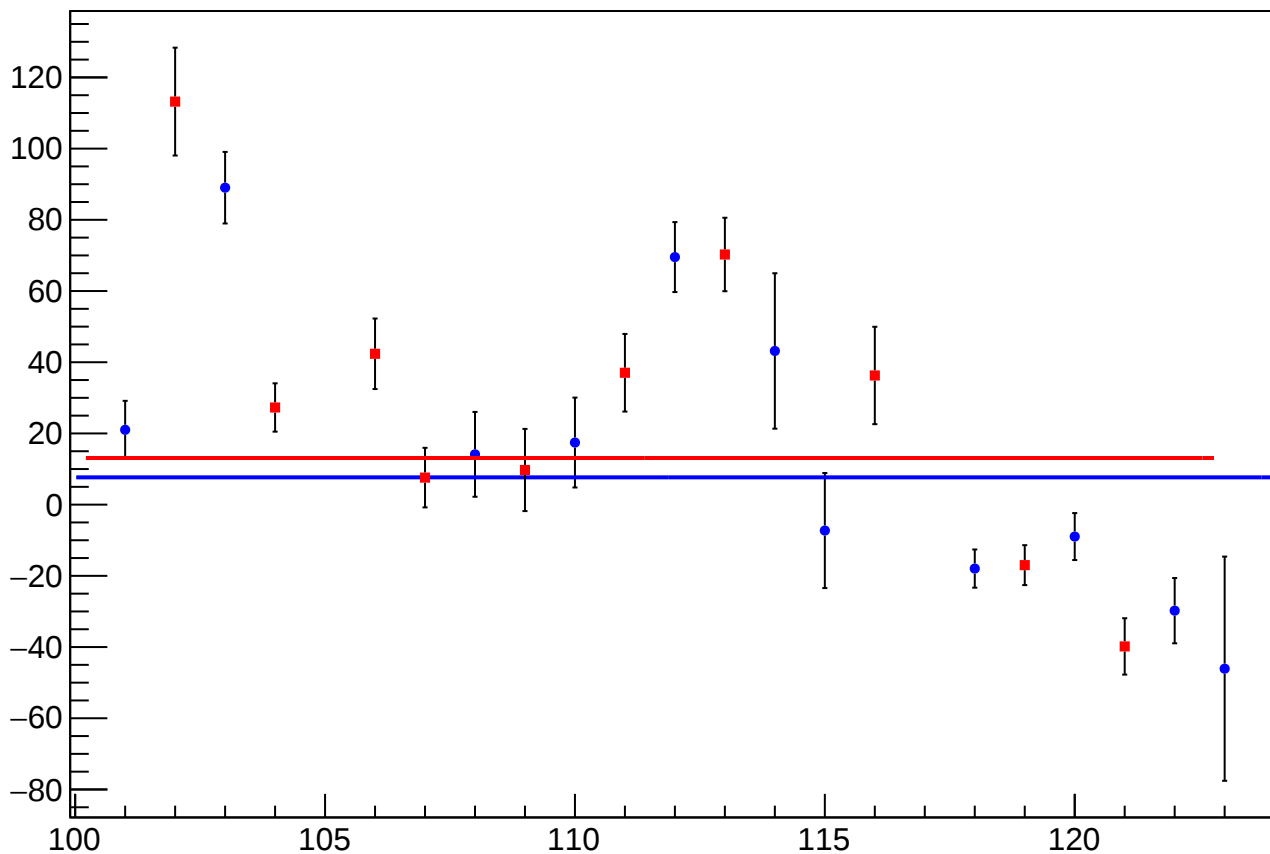
Right: -442.510+/-3.325  $\chi^2/\text{NDF}$ : 2068.4/20

In: -446.865+/-4.906  $\chi^2/\text{NDF}$ : 955.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -442.510+/-3.325  $\chi^2/\text{NDF}$ : 2068.4/20

reg\_asym\_at2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 7.665+/-2.826  $\chi^2/\text{NDF}$ : 161.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 13.104+/-2.785  $\chi^2/\text{NDF}$ : 169.1/9

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

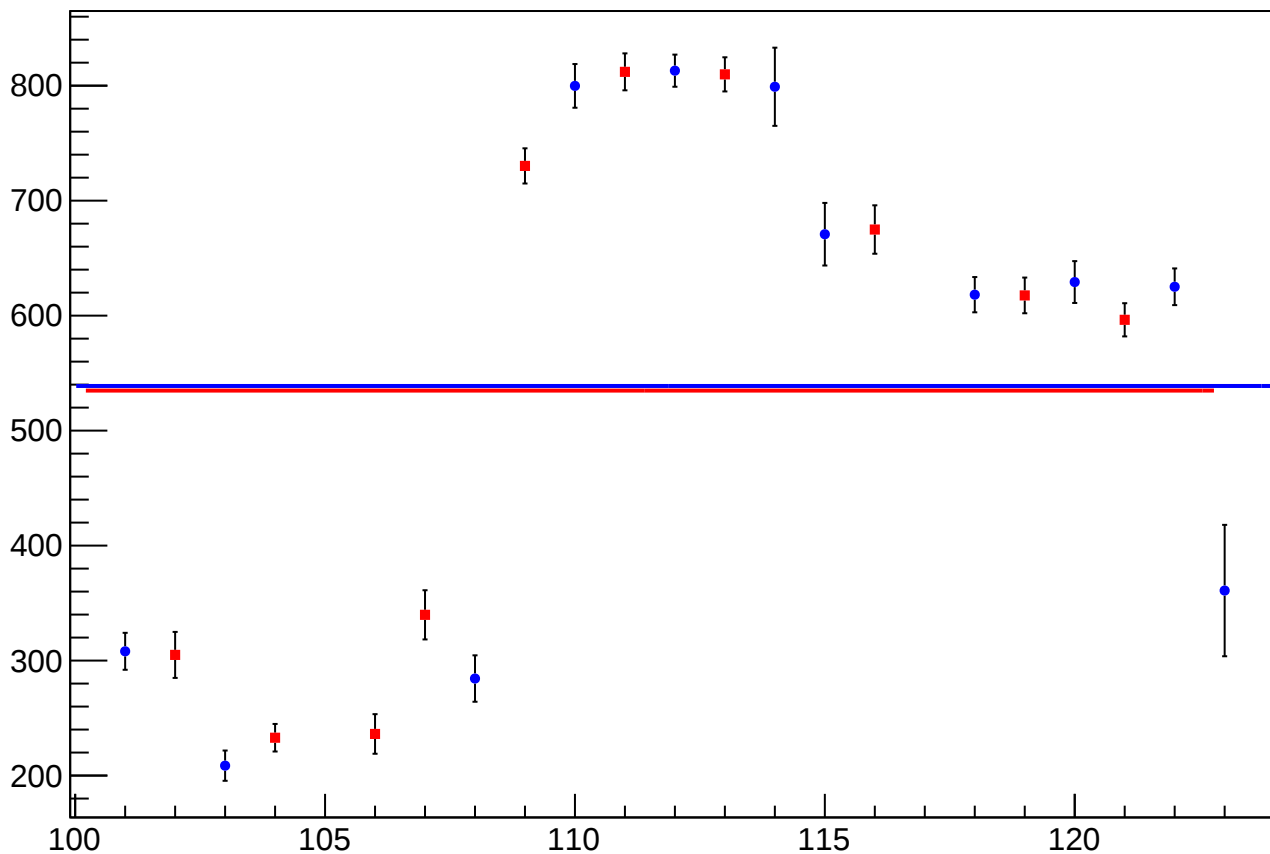
Right: 10.424+/-1.983  $\chi^2/\text{NDF}$ : 332.0/20

In: 7.665+/-2.826  $\chi^2/\text{NDF}$ : 161.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.424+/-1.983  $\chi^2/\text{NDF}$ : 332.0/20

reg\_asym\_at2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 538.827+/-5.447  $\chi^2/\text{NDF}$ : 1740.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 534.820+/-5.070  $\chi^2/\text{NDF}$ : 2045.4/9

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

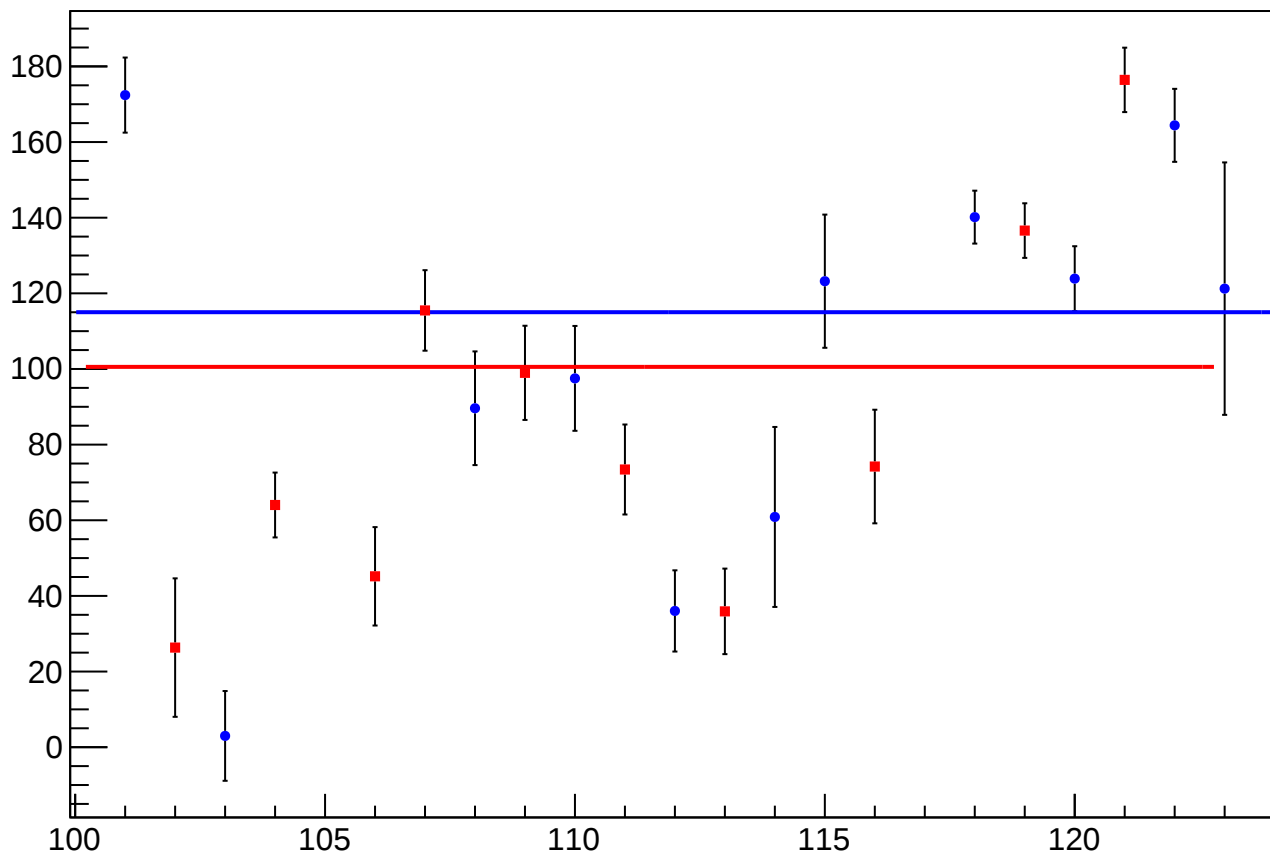
Right: 536.680+/-3.711  $\chi^2/\text{NDF}$ : 3786.4/20

In: 538.827+/-5.447  $\chi^2/\text{NDF}$ : 1740.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 536.680+/-3.711  $\chi^2/\text{NDF}$ : 3786.4/20

reg\_asym\_at2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 115.013+/-3.405  $\chi^2/\text{NDF}$ : 226.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 100.557+/-3.332  $\chi^2/\text{NDF}$ : 200.0/9

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

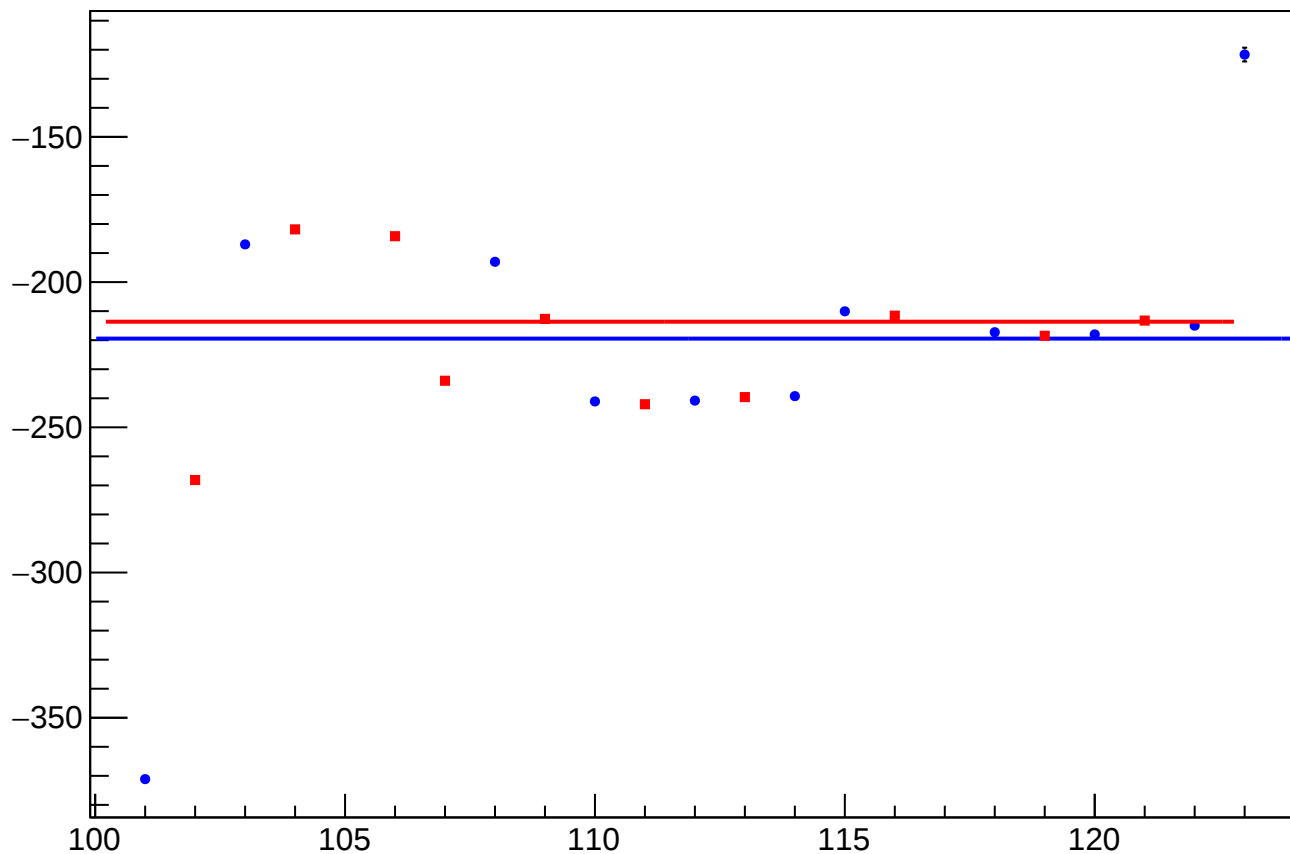
Right: 107.627+/-2.382  $\chi^2/\text{NDF}$ : 435.9/20

In: 115.013+/-3.405  $\chi^2/\text{NDF}$ : 226.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 107.627+/-2.382  $\chi^2/\text{NDF}$ : 435.9/20

reg\_asym\_at2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -219.453+/-0.182  $\chi^2/\text{NDF}$ : 87686.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -213.635+/-0.168  $\chi^2/\text{NDF}$ : 32440.7/9

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

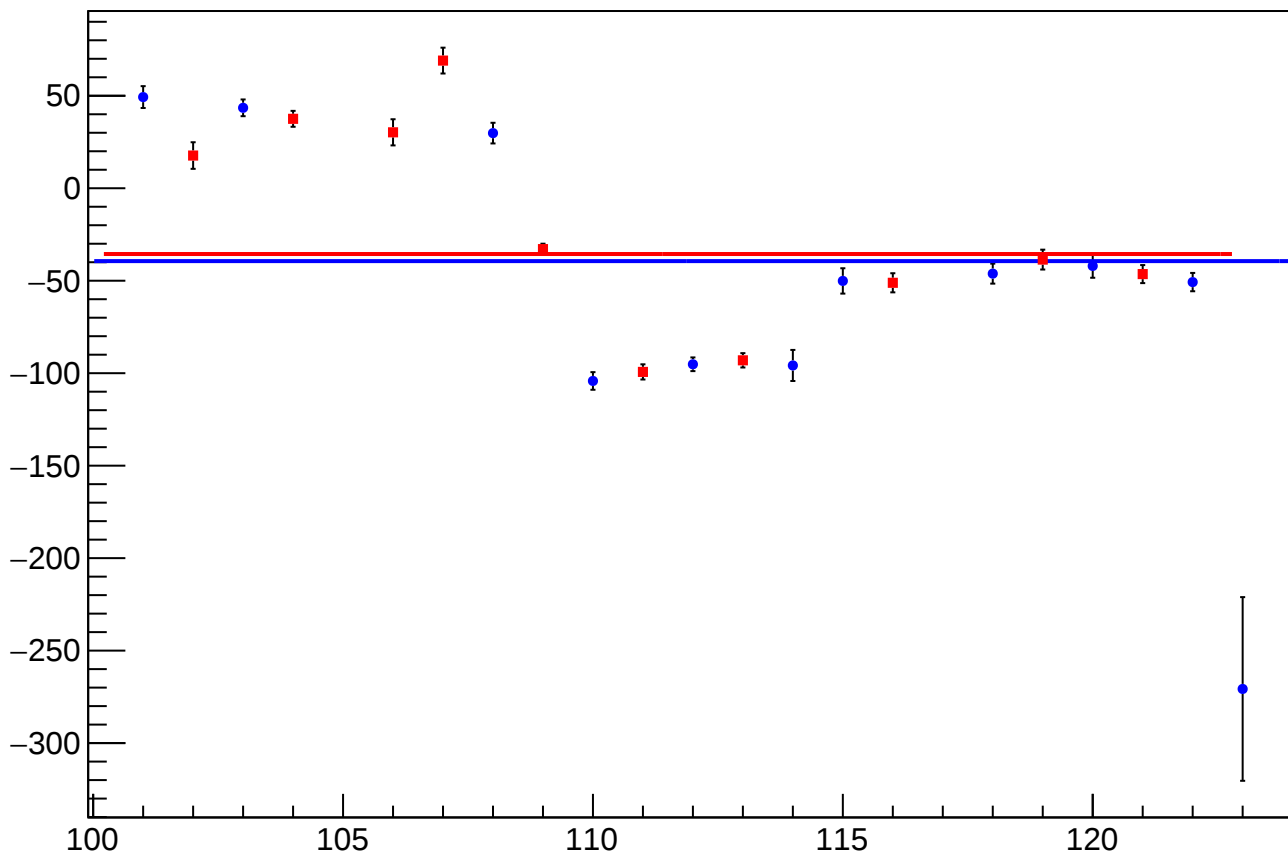
Right: -216.319+/-0.123  $\chi^2/\text{NDF}$ : 120679.8/20

In: -219.453+/-0.182  $\chi^2/\text{NDF}$ :87686.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -216.319+/-0.123  $\chi^2/\text{NDF}$ : 120679.8/20

reg\_asym\_at2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-39.399 \pm 1.662$   $\chi^2/\text{NDF}$ : 1203.3/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-35.562 \pm 1.457$   $\chi^2/\text{NDF}$ : 1130.1/9

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

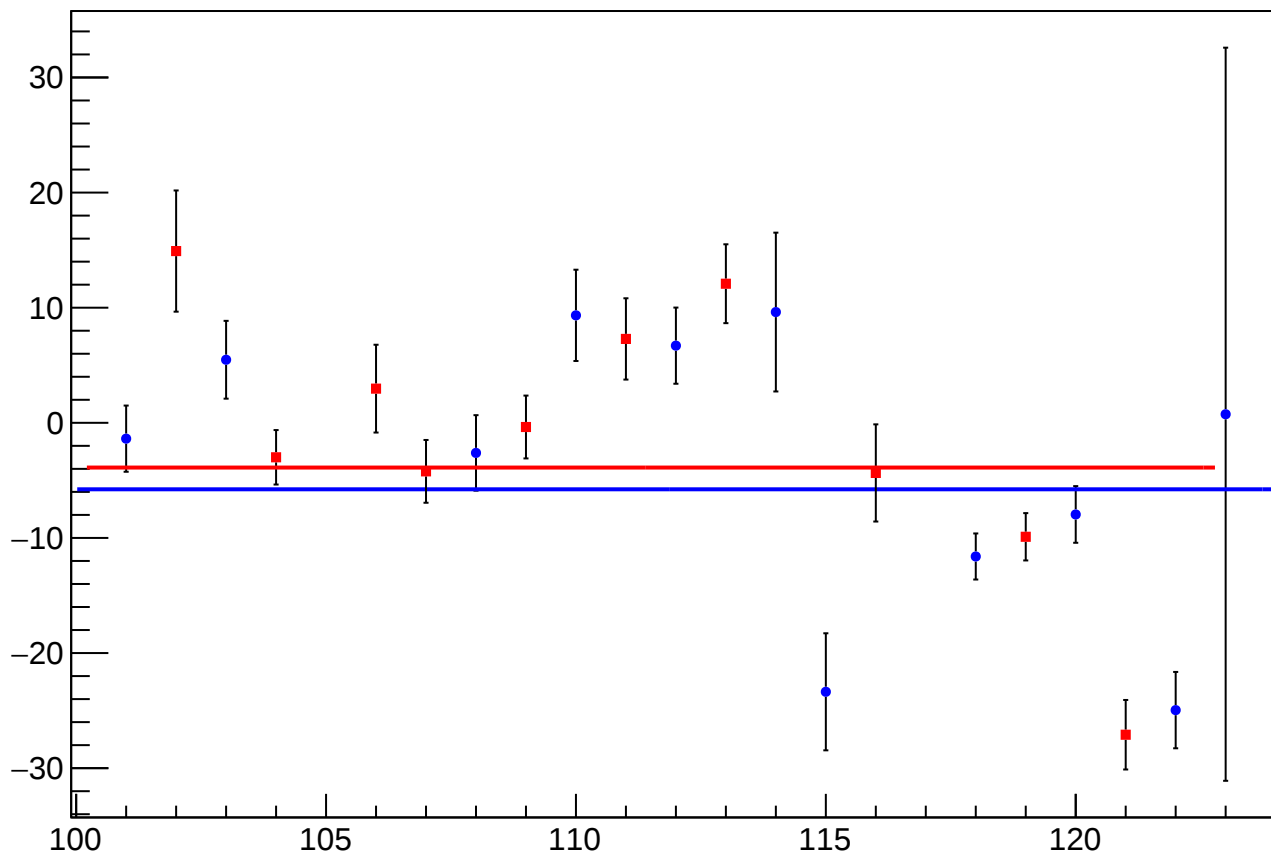
Right:  $-37.230 \pm 1.096$   $\chi^2/\text{NDF}$ : 2336.4/20

In:  $-39.399 \pm 1.662$   $\chi^2/\text{NDF}$ : 1203.3/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-37.230 \pm 1.096$   $\chi^2/\text{NDF}$ : 2336.4/20

reg\_asym\_at2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -5.776+/-0.989  $\chi^2/\text{NDF}$ : 102.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -3.886+/-0.945  $\chi^2/\text{NDF}$ : 117.2/9

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

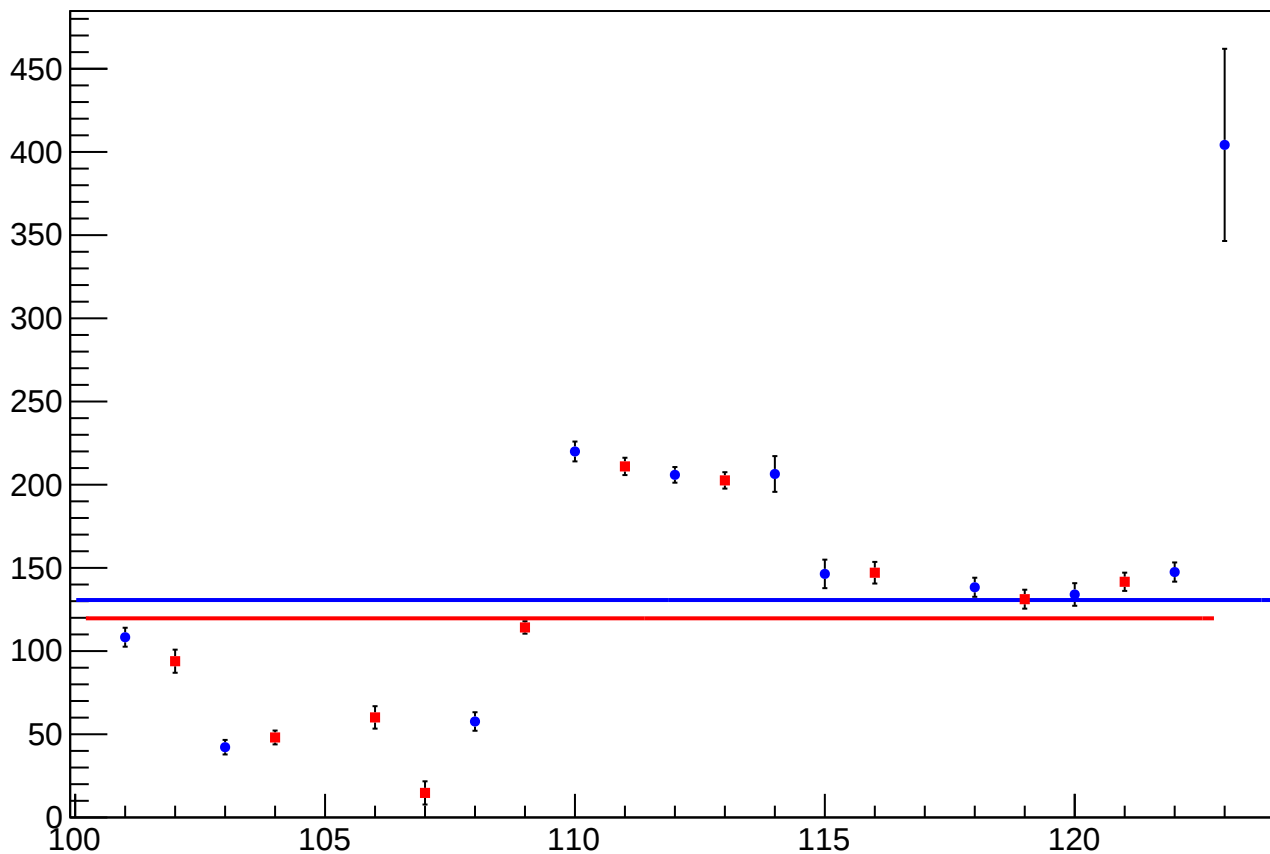
Right: -4.788+/-0.683  $\chi^2/\text{NDF}$ : 222.0/20

In: -5.776+/-0.989  $\chi^2/\text{NDF}$ : 102.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -4.788+/-0.683  $\chi^2/\text{NDF}$ : 222.0/20

reg\_asym\_at2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 130.684+/-1.847  $\chi^2/\text{NDF}$ : 1161.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 119.685+/-1.671  $\chi^2/\text{NDF}$ : 1244.6/9

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

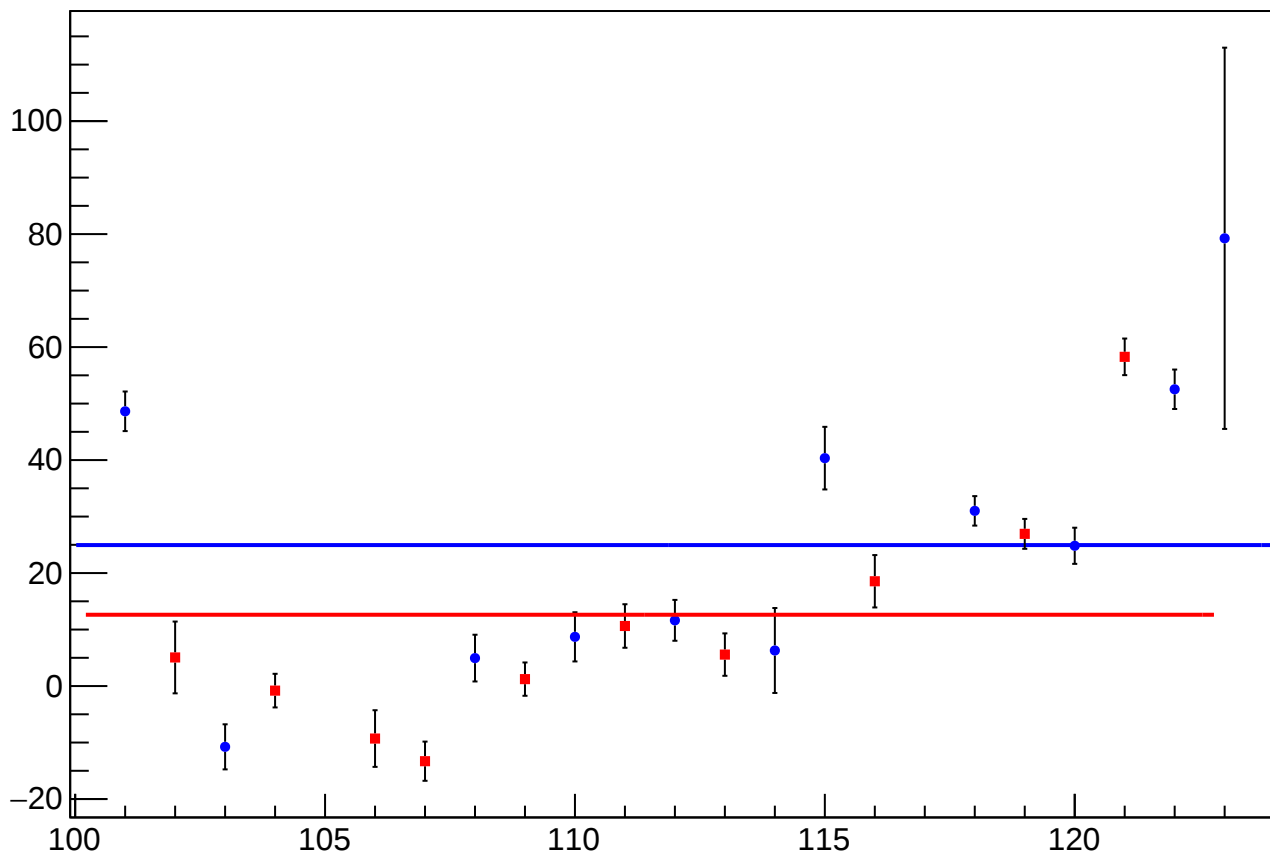
Right: 124.637+/-1.239  $\chi^2/\text{NDF}$ : 2425.7/20

In: 130.684+/-1.847  $\chi^2/\text{NDF}$ :1161.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 124.637+/-1.239  $\chi^2/\text{NDF}$ : 2425.7/20

reg\_asym\_at2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 24.955+/-1.187  $\chi^2/\text{NDF}$ : 261.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 12.622+/-1.119  $\chi^2/\text{NDF}$ : 345.1/9

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

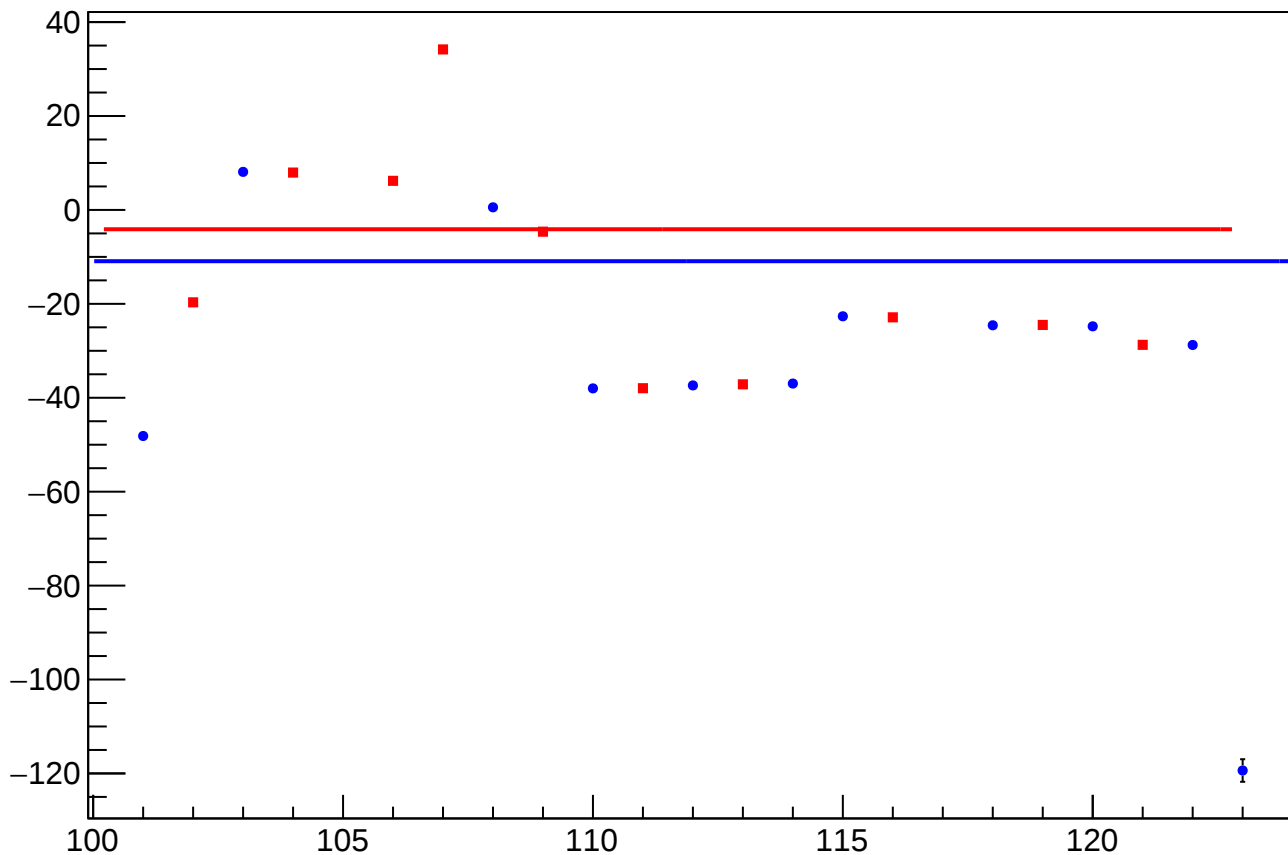
Right: 18.425+/-0.814  $\chi^2/\text{NDF}$ : 663.2/20

In: 24.955+/-1.187  $\chi^2/\text{NDF}$ : 261.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 18.425+/-0.814  $\chi^2/\text{NDF}$ : 663.2/20

reg\_asym\_at2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -10.920+/-0.060  $\chi^2/\text{NDF}$ : 118841.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -4.116+/-0.056  $\chi^2/\text{NDF}$ : 144761.2/9

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

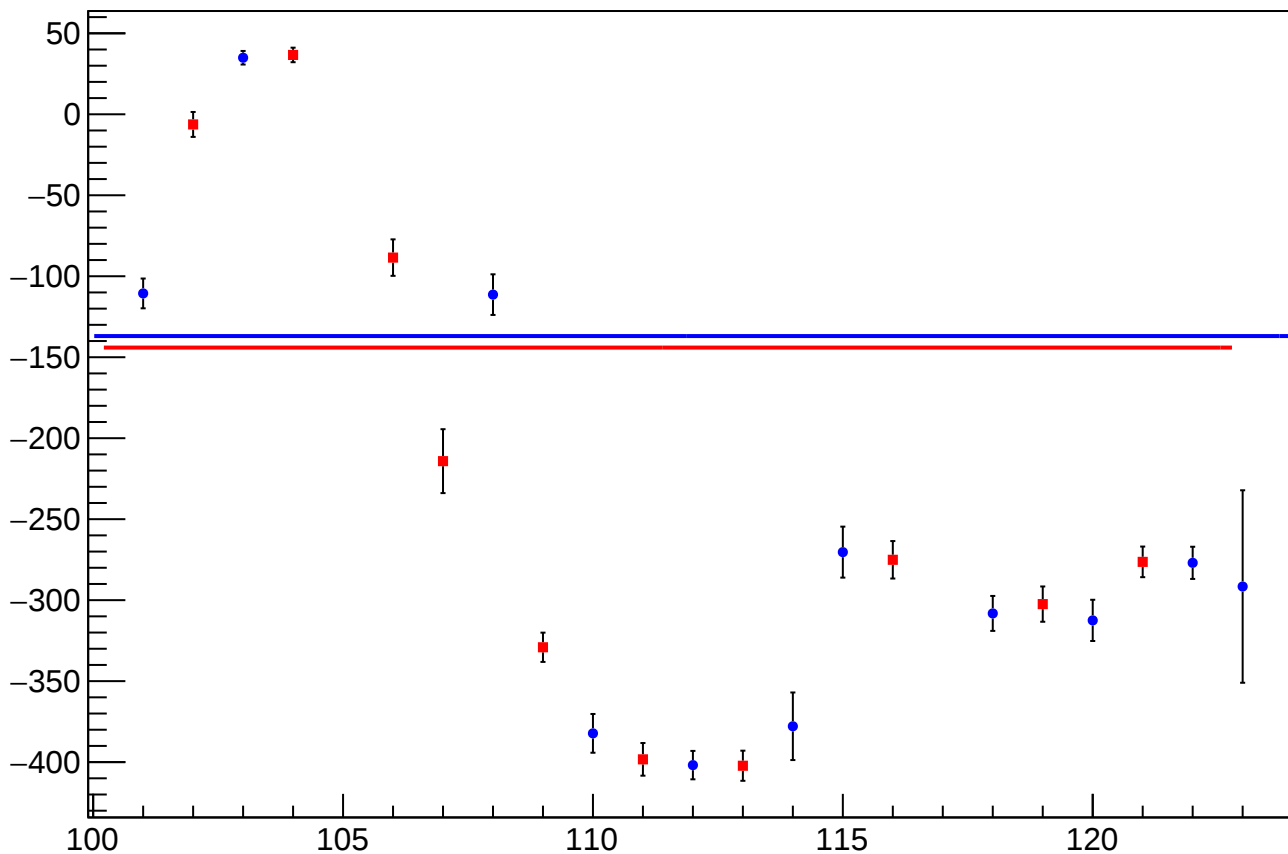
Right: -7.324+/-0.041  $\chi^2/\text{NDF}$ : 270463.1/20

In: -10.920+/-0.060  $\chi^2/\text{NDF}$ : 118841.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -7.324+/-0.041  $\chi^2/\text{NDF}$ : 270463.1/20

reg\_asym\_atl1r2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -136.936+/-2.810  $\chi^2/\text{NDF}$ : 3881.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -144.046+/-2.695  $\chi^2/\text{NDF}$ : 4338.8/9

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

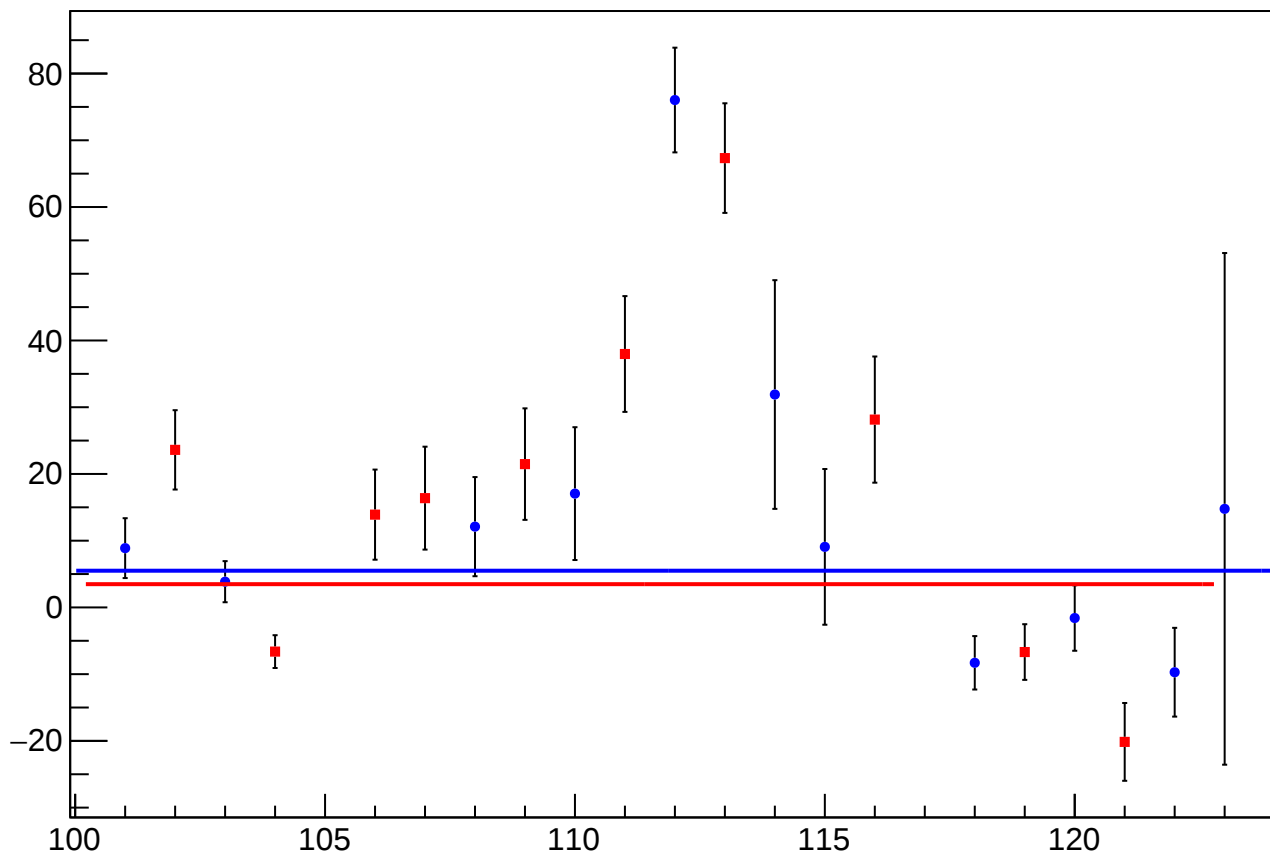
Right: -140.639+/-1.945  $\chi^2/\text{NDF}$ : 8223.9/20

In: -136.936+/-2.810  $\chi^2/\text{NDF}$ : 3881.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -140.639+/-1.945  $\chi^2/\text{NDF}$ : 8223.9/20

reg\_asym\_atl1r2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 5.500+/-1.721  $\chi^2/\text{NDF}$ : 105.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 3.485+/-1.637  $\chi^2/\text{NDF}$ : 143.6/9

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

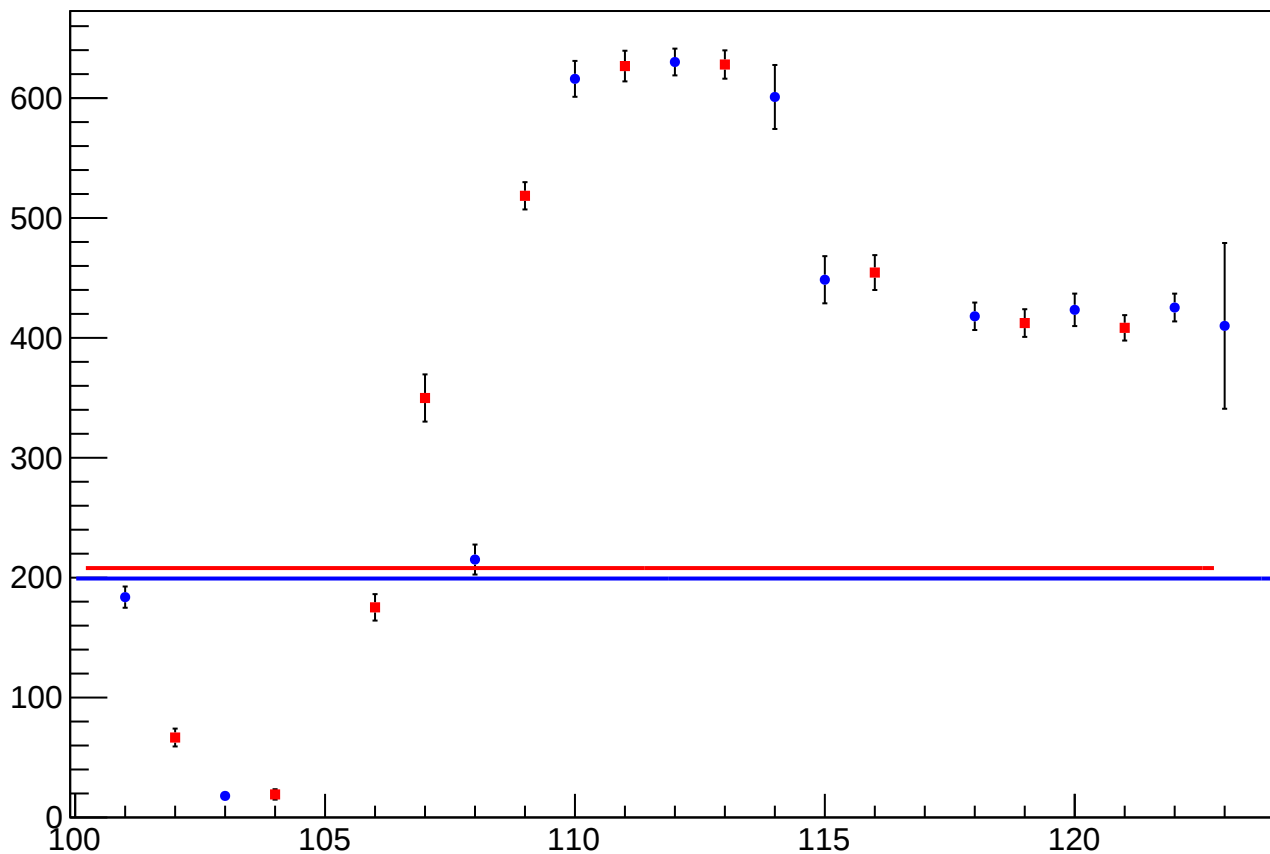
Right: 4.442+/-1.186  $\chi^2/\text{NDF}$ : 249.9/20

In: 5.500+/-1.721  $\chi^2/\text{NDF}$ : 105.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.442+/-1.186  $\chi^2/\text{NDF}$ : 249.9/20

reg\_asym\_atl1r2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 199.287+/-2.920  $\chi^2/\text{NDF}$ : 5688.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 208.000+/-2.841  $\chi^2/\text{NDF}$ : 6343.9/9

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

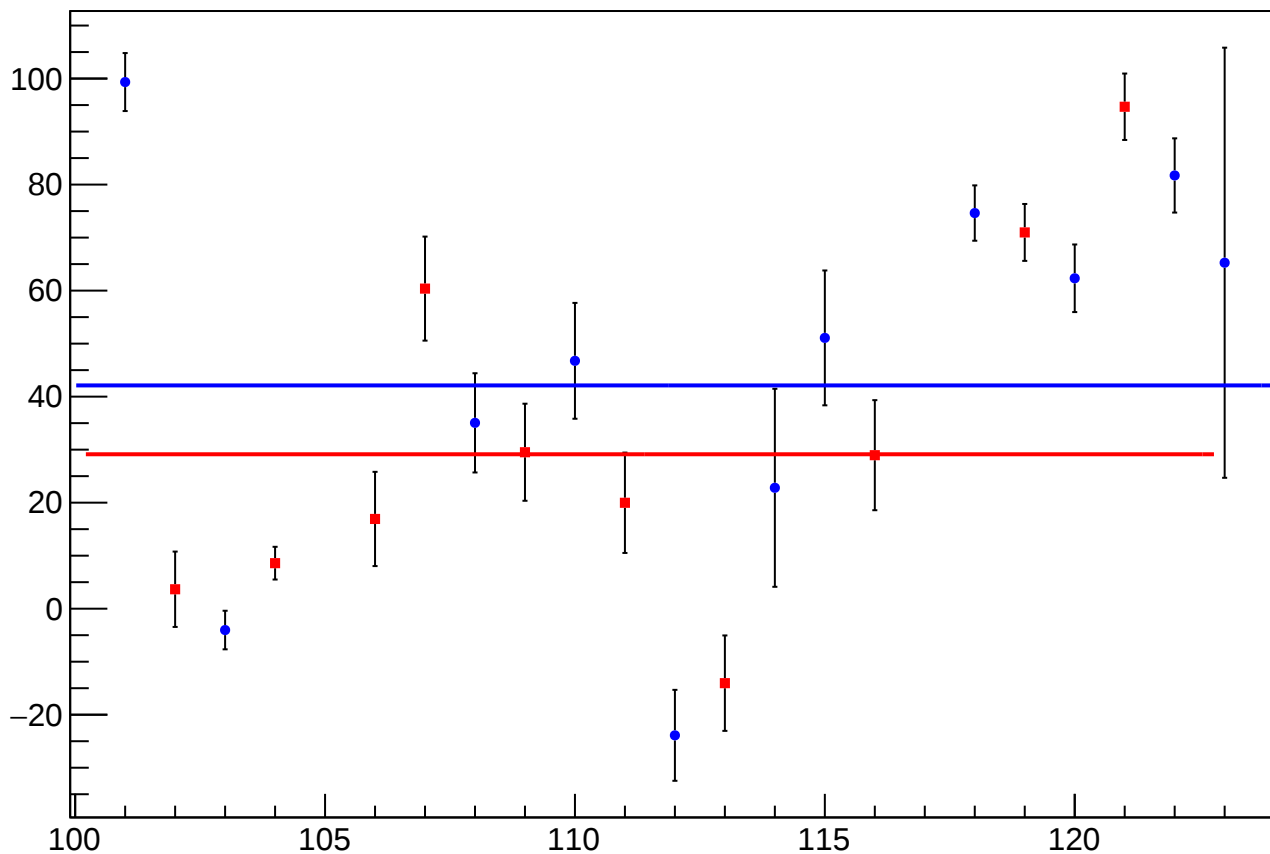
Right: 203.762+/-2.036  $\chi^2/\text{NDF}$ : 12036.7/20

In: 199.287+/-2.920  $\chi^2/\text{NDF}$ : 5688.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 203.762+/-2.036  $\chi^2/\text{NDF}$ : 12036.7/20

reg\_asym\_atl1r2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 42.116 $\pm$ 2.068  $\chi^2$ /NDF: 413.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 29.129 $\pm$ 1.989  $\chi^2$ /NDF: 263.4/9

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

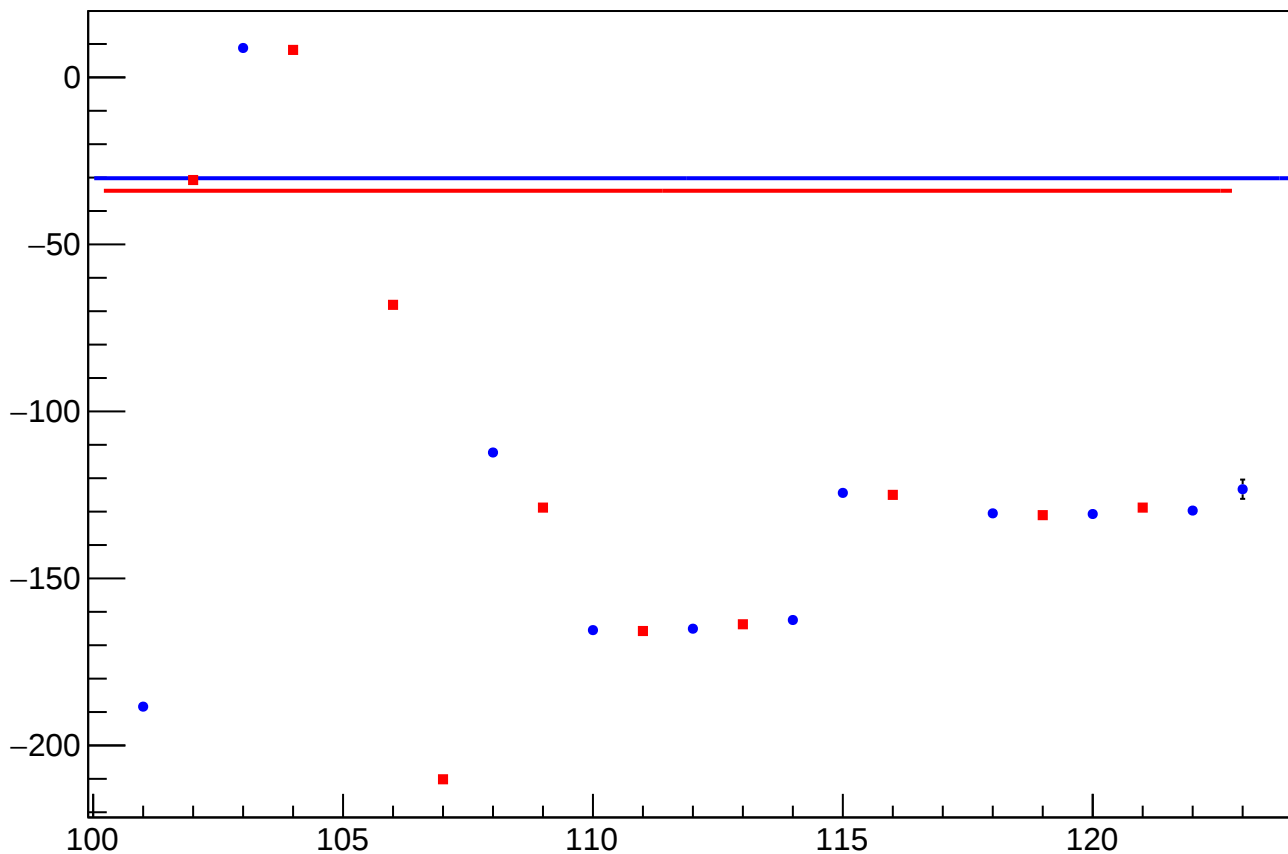
Right: 35.369 $\pm$ 1.434  $\chi^2$ /NDF: 697.0/20

In: 42.116 $\pm$ 2.068  $\chi^2$ /NDF:413.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 35.369 $\pm$ 1.434  $\chi^2$ /NDF: 697.0/20

reg\_asym\_atl1r2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -30.189+/-0.078  $\chi^2/\text{NDF}$ : 758308.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -33.942+/-0.080  $\chi^2/\text{NDF}$ : 567635.6/9

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

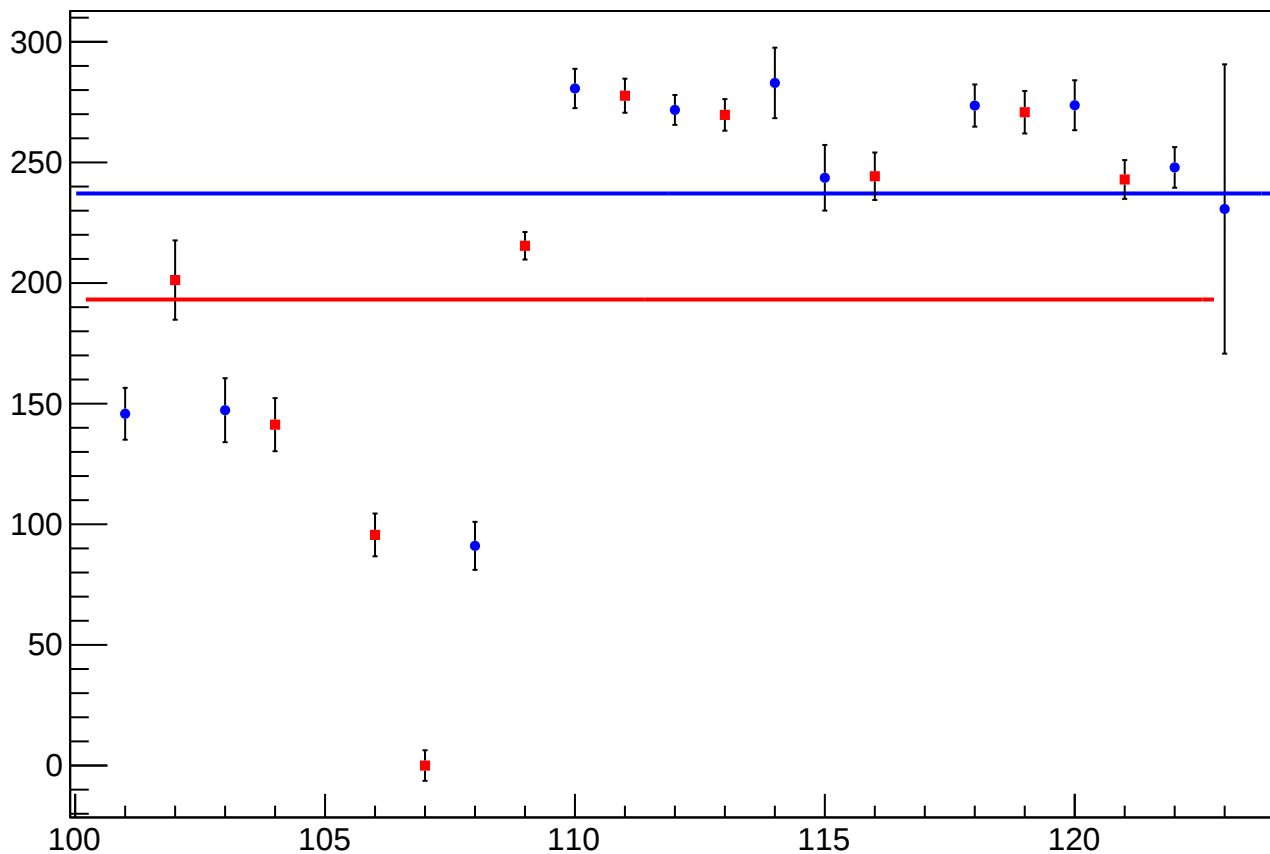
Right: -32.032+/-0.056  $\chi^2/\text{NDF}$ : 1327070.6/20

In: -30.189+/-0.078  $\chi^2/\text{NDF}$ : 758308.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -32.032+/-0.056  $\chi^2/\text{NDF}$ : 1327070.6/20

reg\_asym\_atl1r2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 237.131 $\pm$ 2.983  $\chi^2$ /NDF: 434.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 193.177 $\pm$ 2.481  $\chi^2$ /NDF: 1513.3/9

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

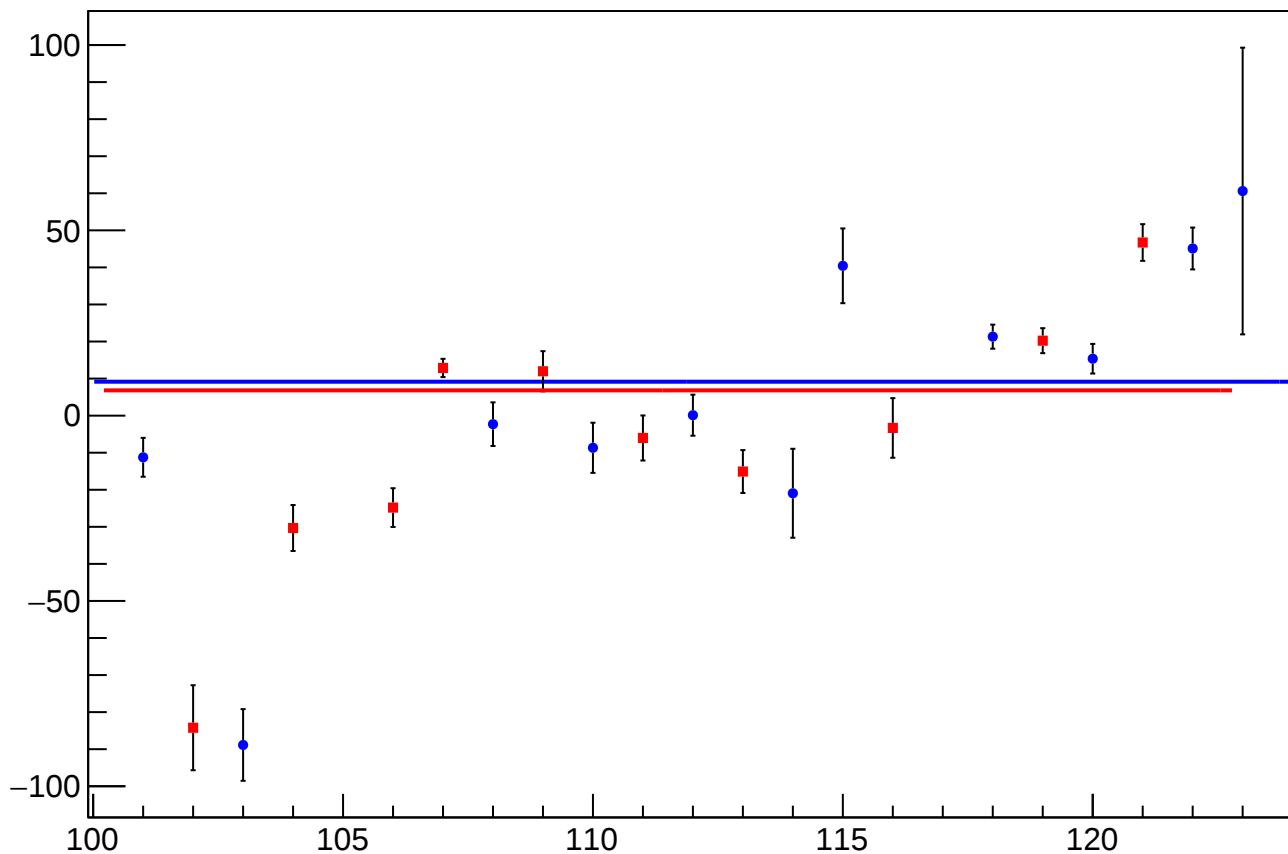
Right: 211.152 $\pm$ 1.907  $\chi^2$ /NDF: 2076.4/20

In: 237.131 $\pm$ 2.983  $\chi^2$ /NDF:434.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 211.152 $\pm$ 1.907  $\chi^2$ /NDF: 2076.4/20

reg\_asym\_atl1r2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 9.158+/-1.723  $\chi^2/\text{NDF}$ : 206.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 6.824+/-1.459  $\chi^2/\text{NDF}$ : 243.5/9

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

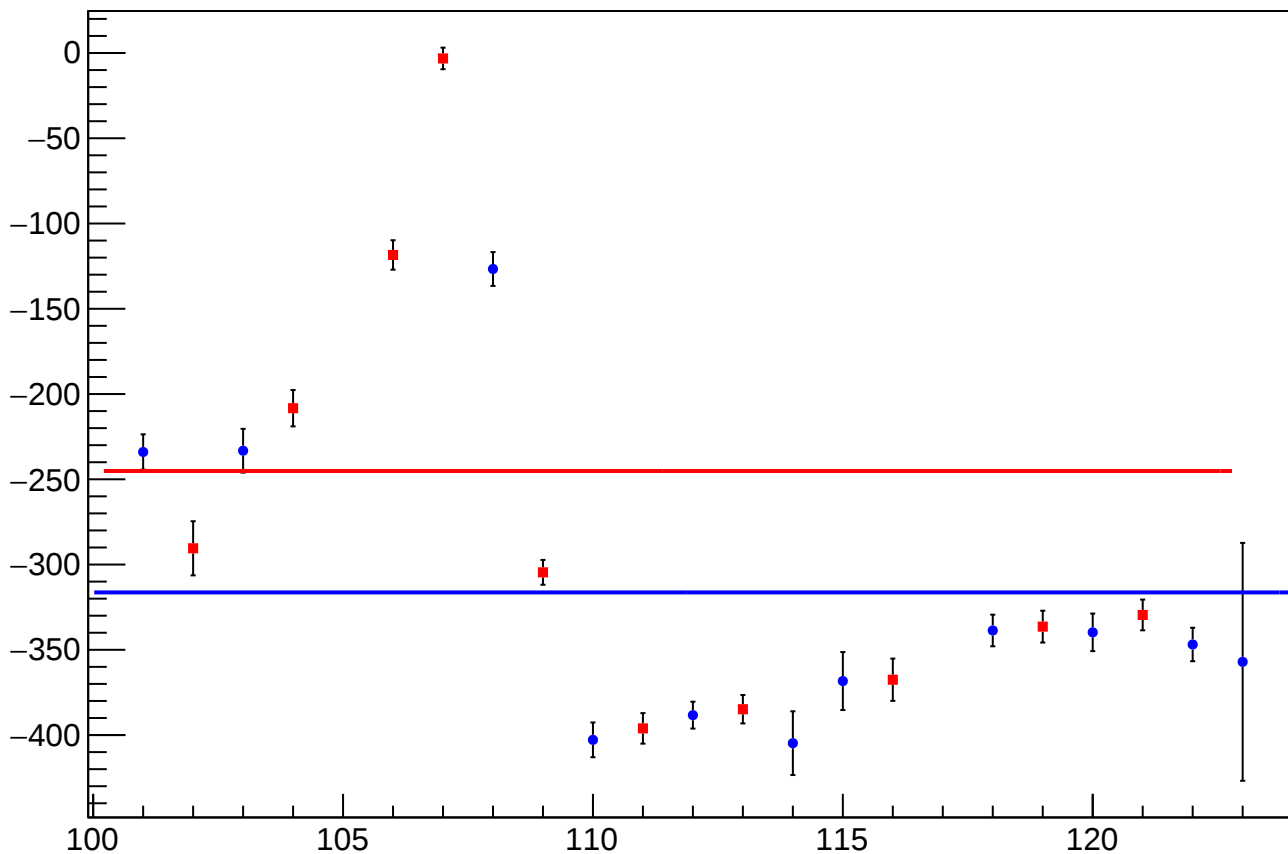
Right: 7.798+/-1.114  $\chi^2/\text{NDF}$ : 450.6/20

In: 9.158+/-1.723  $\chi^2/\text{NDF}$ :206.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 7.798+/-1.114  $\chi^2/\text{NDF}$ : 450.6/20

reg\_asym\_atl1r2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -316.347+/-3.371  $\chi^2/\text{NDF}$ : 677.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -245.126+/-2.802  $\chi^2/\text{NDF}$ : 2616.1/9

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

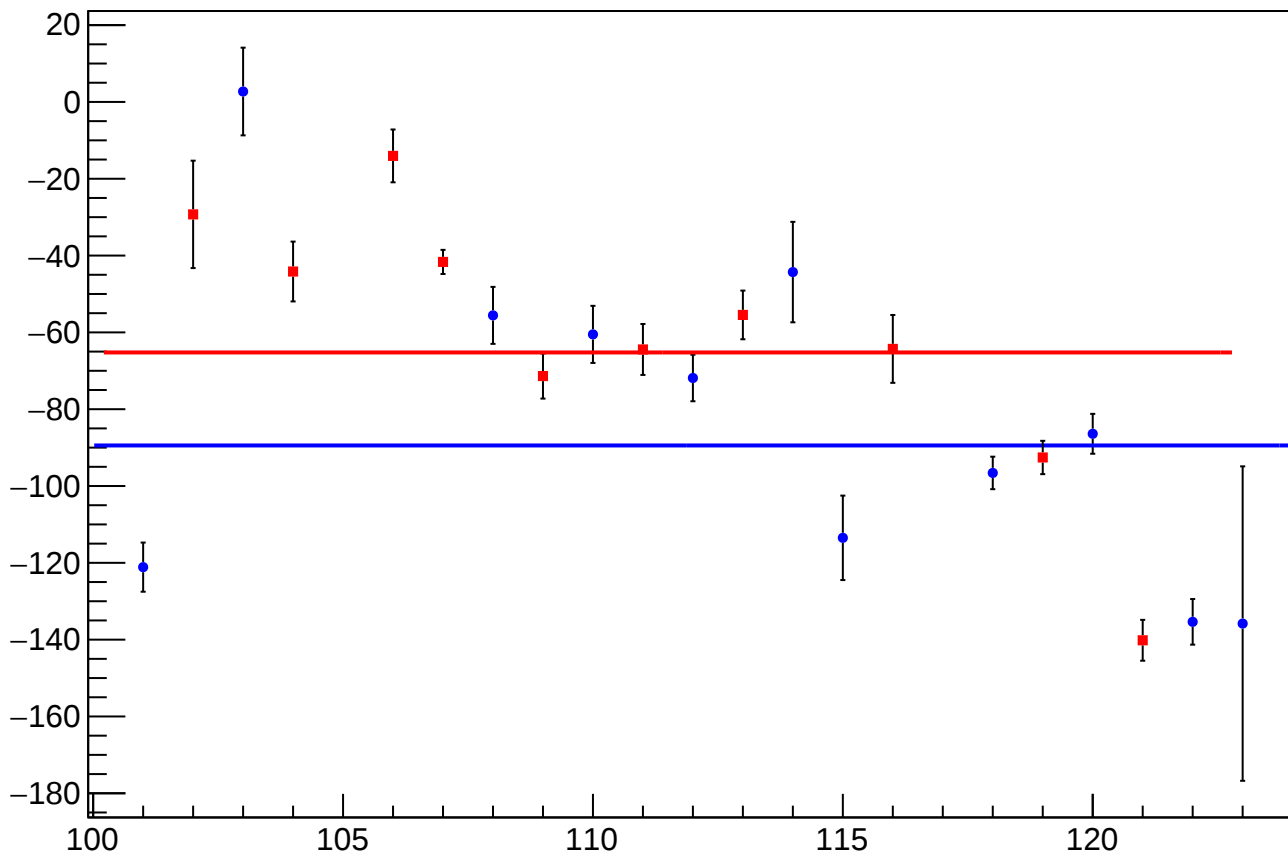
Right: -274.230+/-2.155  $\chi^2/\text{NDF}$ : 3557.7/20

In: -316.347+/-3.371  $\chi^2/\text{NDF}$ : 677.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -274.230+/-2.155  $\chi^2/\text{NDF}$ : 3557.7/20

reg\_asym\_atl1r2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -89.440+/-2.078  $\chi^2/\text{NDF}$ : 215.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -65.225+/-1.762  $\chi^2/\text{NDF}$ : 367.4/9

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

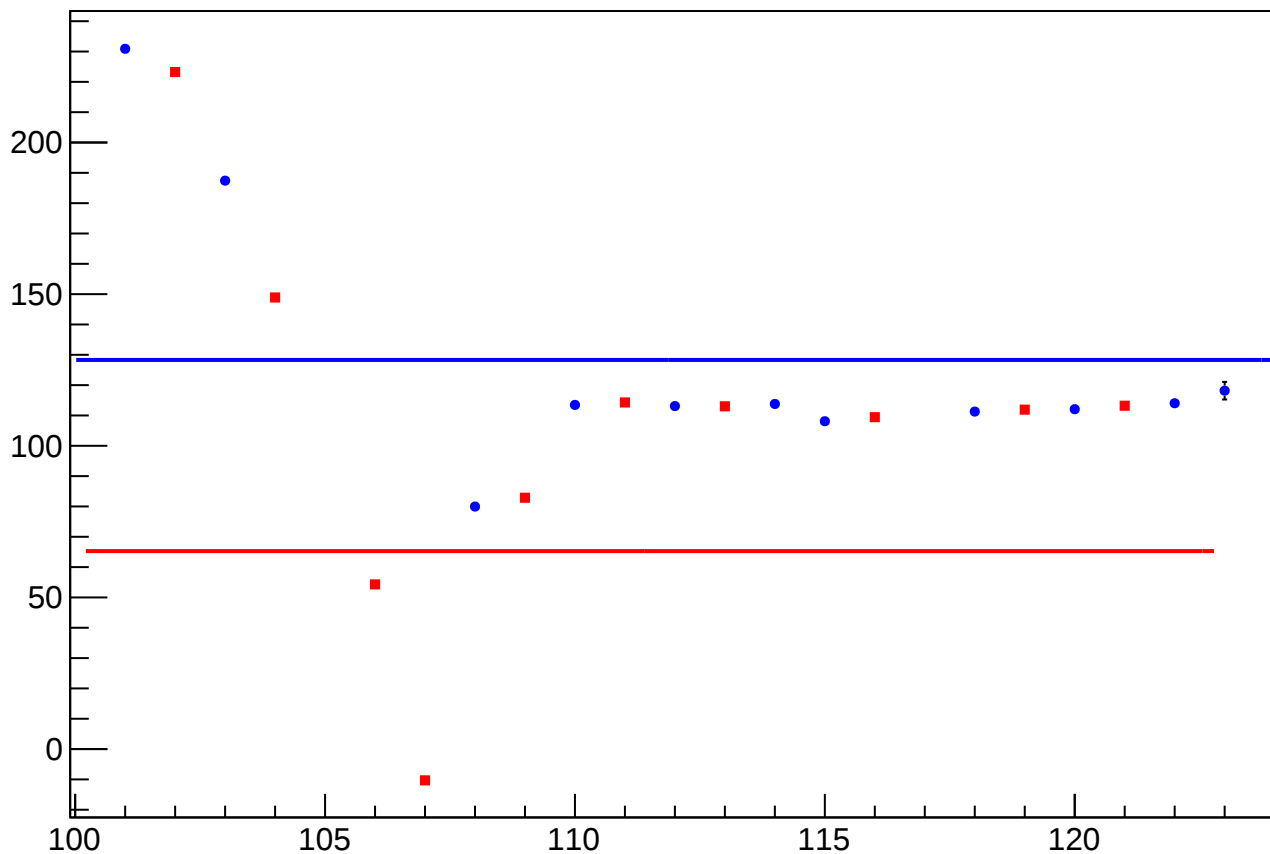
Right: -75.353+/-1.344  $\chi^2/\text{NDF}$ : 661.5/20

In: -89.440+/-2.078  $\chi^2/\text{NDF}$ : 215.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -75.353+/-1.344  $\chi^2/\text{NDF}$ : 661.5/20

reg\_asym\_atl1r2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 128.310+/-0.119  $\chi^2/\text{NDF}$ : 172043.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 65.280+/-0.089  $\chi^2/\text{NDF}$ : 613802.1/9

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

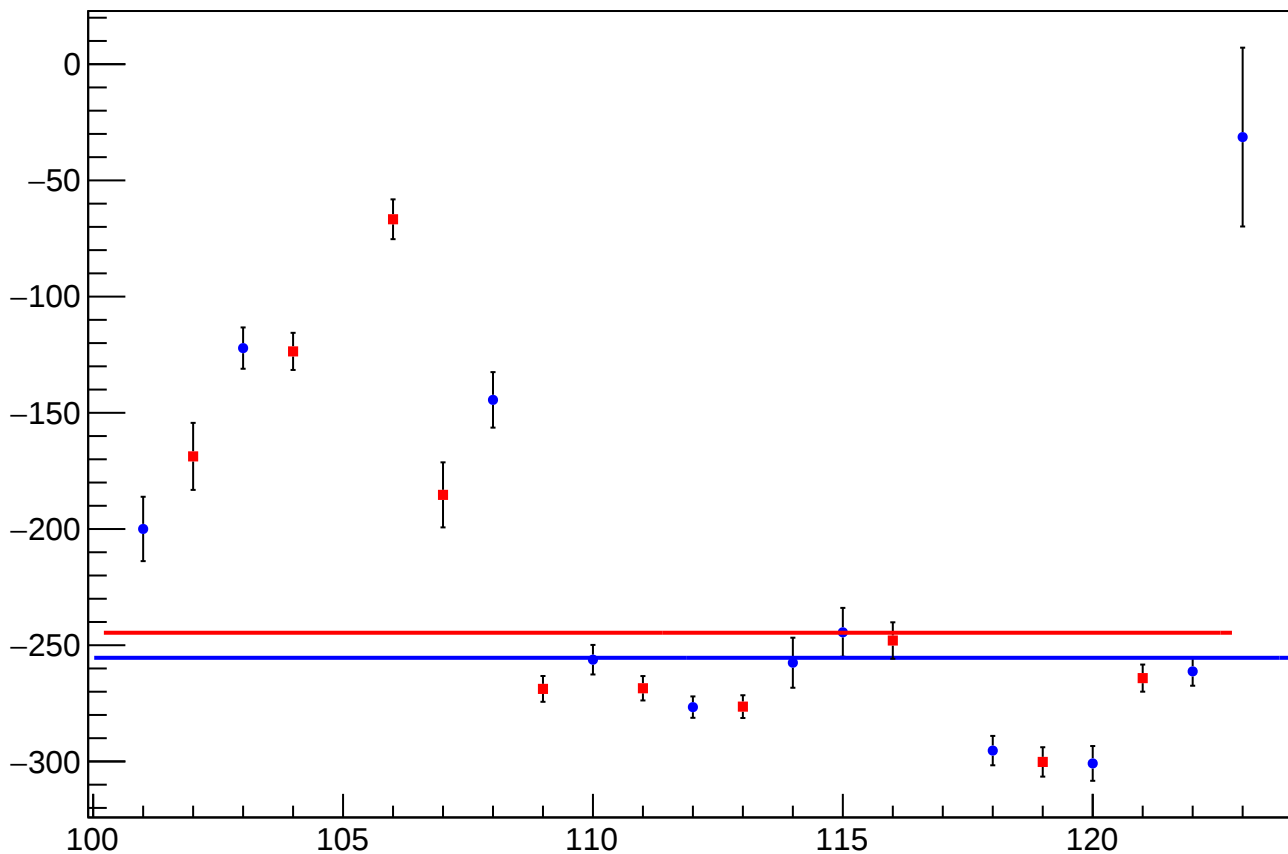
Right: 87.997+/-0.071  $\chi^2/\text{NDF}$ : 966065.1/20

In: 128.310+/-0.119  $\chi^2/\text{NDF}$ : 172043.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 87.997+/-0.071  $\chi^2/\text{NDF}$ : 966065.1/20

reg\_asym\_atr1l2\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In:  $-255.409 \pm 2.330$   $\chi^2/\text{NDF}$ : 461.0/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-244.628 \pm 2.130$   $\chi^2/\text{NDF}$ : 877.6/9

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

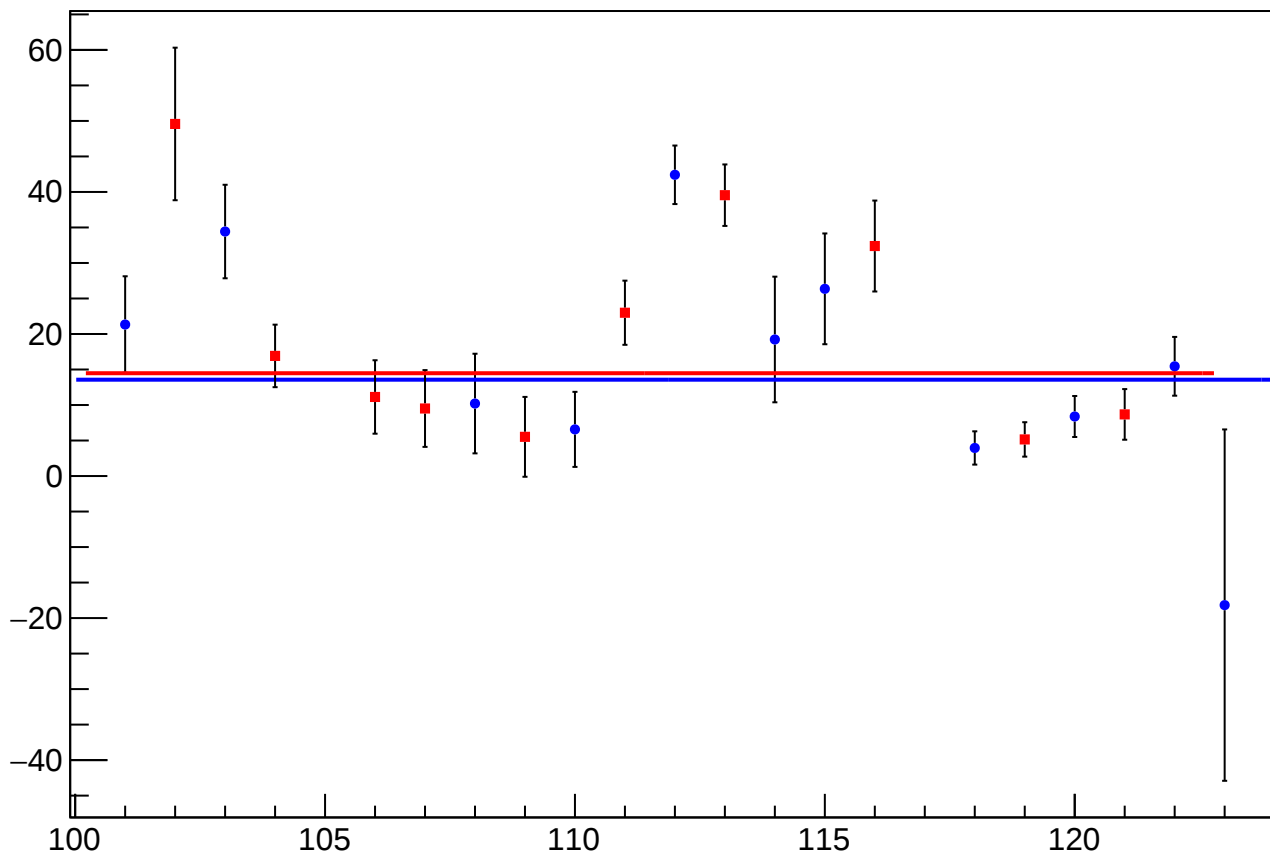
Right:  $-249.537 \pm 1.572$   $\chi^2/\text{NDF}$ : 1350.3/20

In:  $-255.409 \pm 2.330$   $\chi^2/\text{NDF}$ : 461.0/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-249.537 \pm 1.572$   $\chi^2/\text{NDF}$ : 1350.3/20

reg\_asym\_atr1l2\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 13.565+/-1.347  $\chi^2/\text{NDF}$ : 87.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 14.477+/-1.362  $\chi^2/\text{NDF}$ : 77.1/9

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

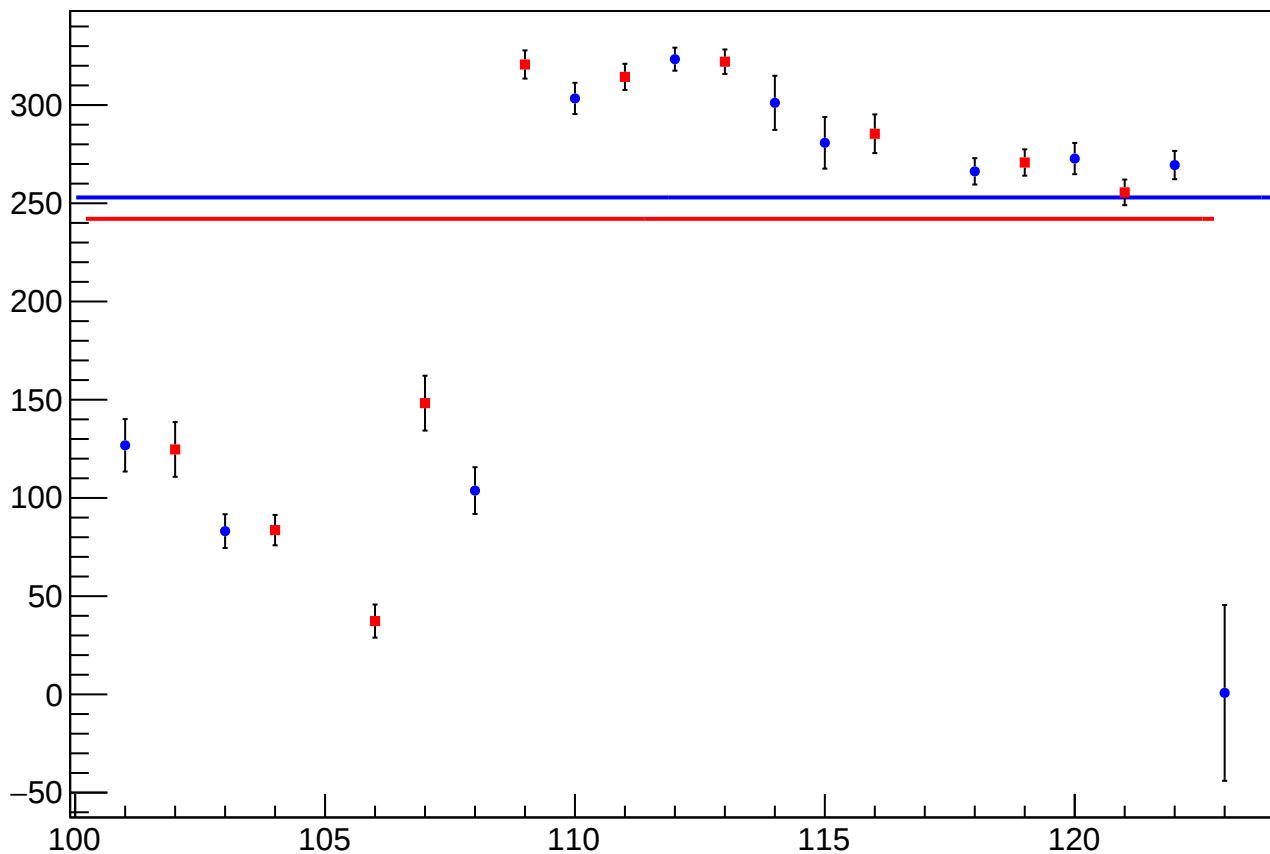
Right: 14.016+/-0.958  $\chi^2/\text{NDF}$ : 164.7/20

In: 13.565+/-1.347  $\chi^2/\text{NDF}$ : 87.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 14.016+/-0.958  $\chi^2/\text{NDF}$ : 164.7/20

reg\_asym\_atr1l2\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 252.959+/-2.673  $\chi^2/\text{NDF}$ : 884.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 242.091+/-2.462  $\chi^2/\text{NDF}$ : 1571.3/9

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

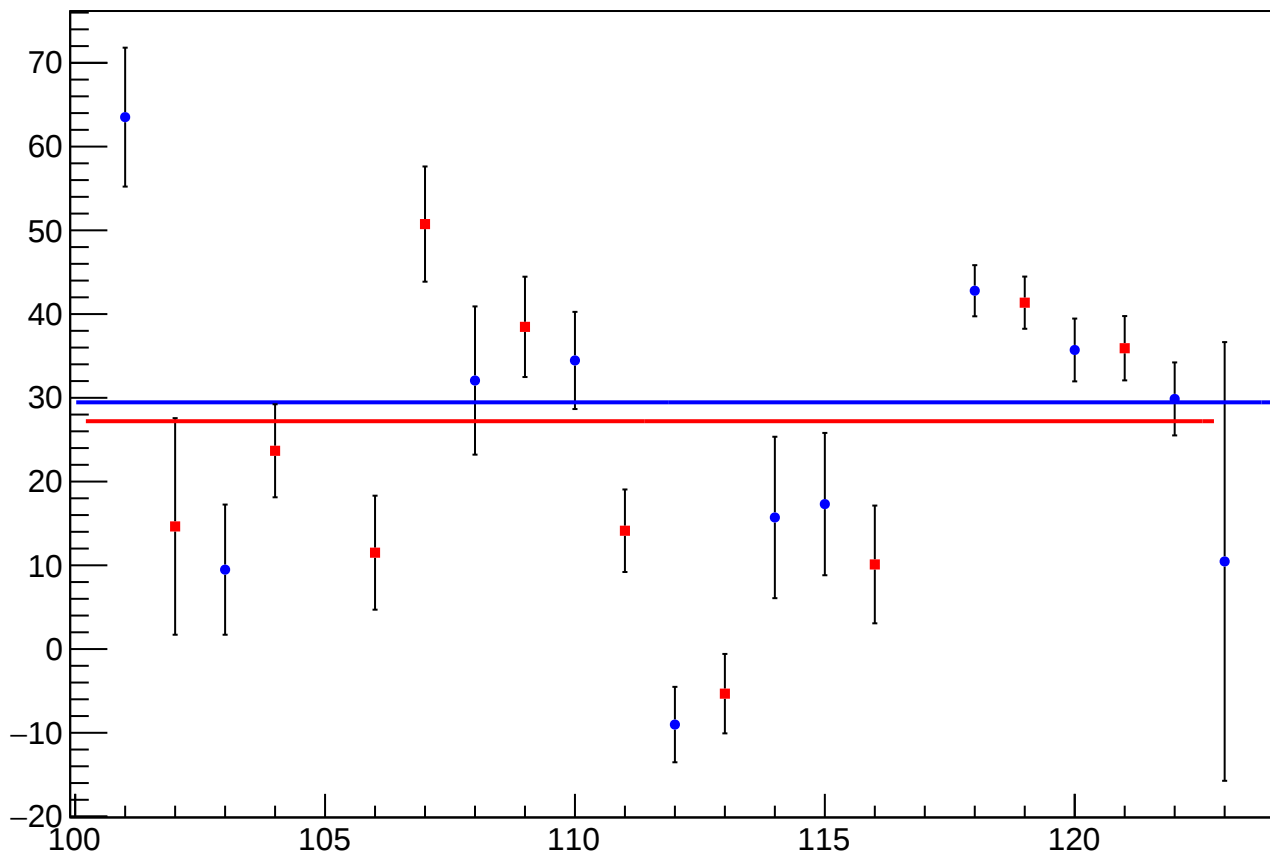
Right: 247.078+/-1.811  $\chi^2/\text{NDF}$ : 2465.0/20

In: 252.959+/-2.673  $\chi^2/\text{NDF}$ : 884.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 247.078+/-1.811  $\chi^2/\text{NDF}$ : 2465.0/20

reg\_asym\_atr1l2\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 29.462 $\pm$ 1.622  $\chi^2$ /NDF: 123.7/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 27.207 $\pm$ 1.610  $\chi^2$ /NDF: 107.7/9

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

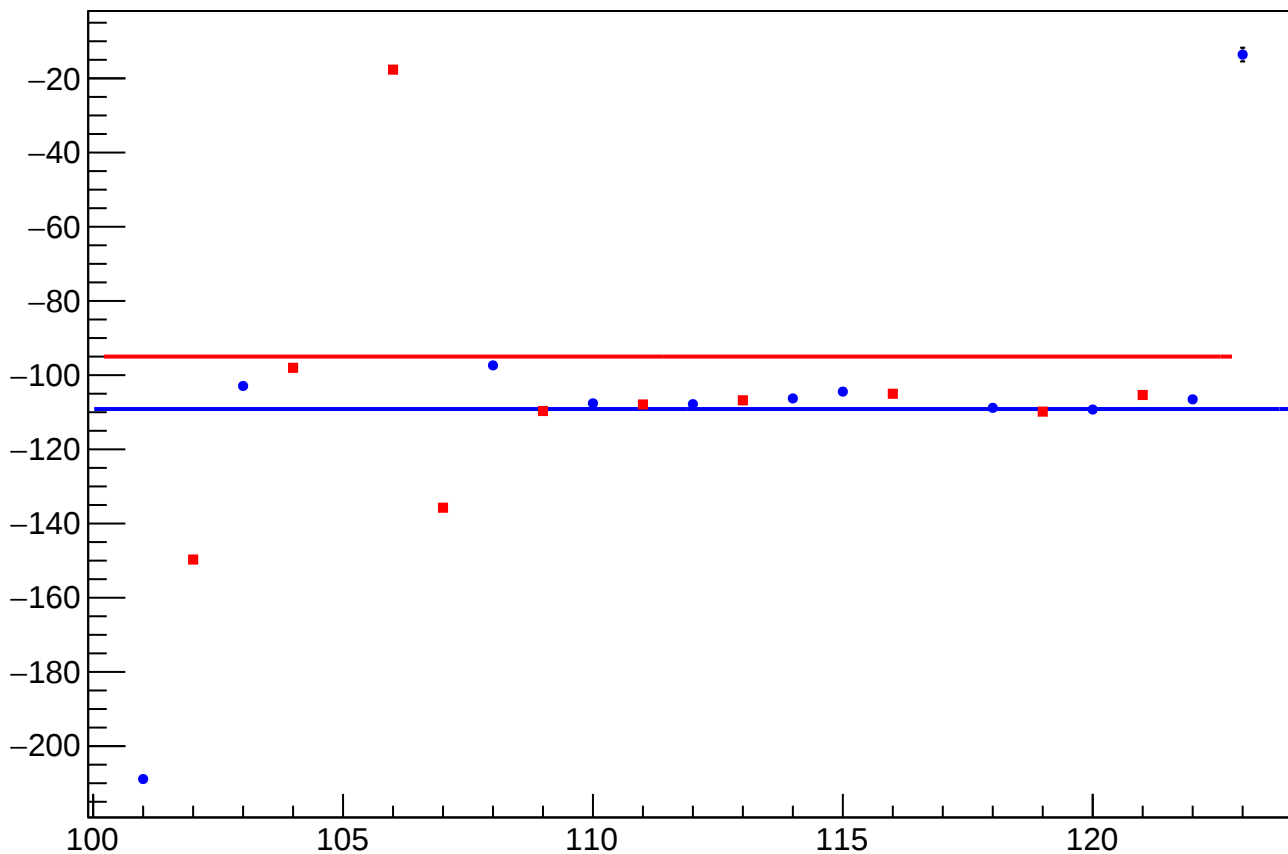
Right: 28.326 $\pm$ 1.143  $\chi^2$ /NDF: 232.4/20

In: 29.462 $\pm$ 1.622  $\chi^2$ /NDF: 123.7/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 28.326 $\pm$ 1.143  $\chi^2$ /NDF: 232.4/20

reg\_asym\_atr1l2\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -109.133+/-0.098  $\chi^2/\text{NDF}$ : 48920.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -94.997+/-0.088  $\chi^2/\text{NDF}$ : 193367.0/9

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

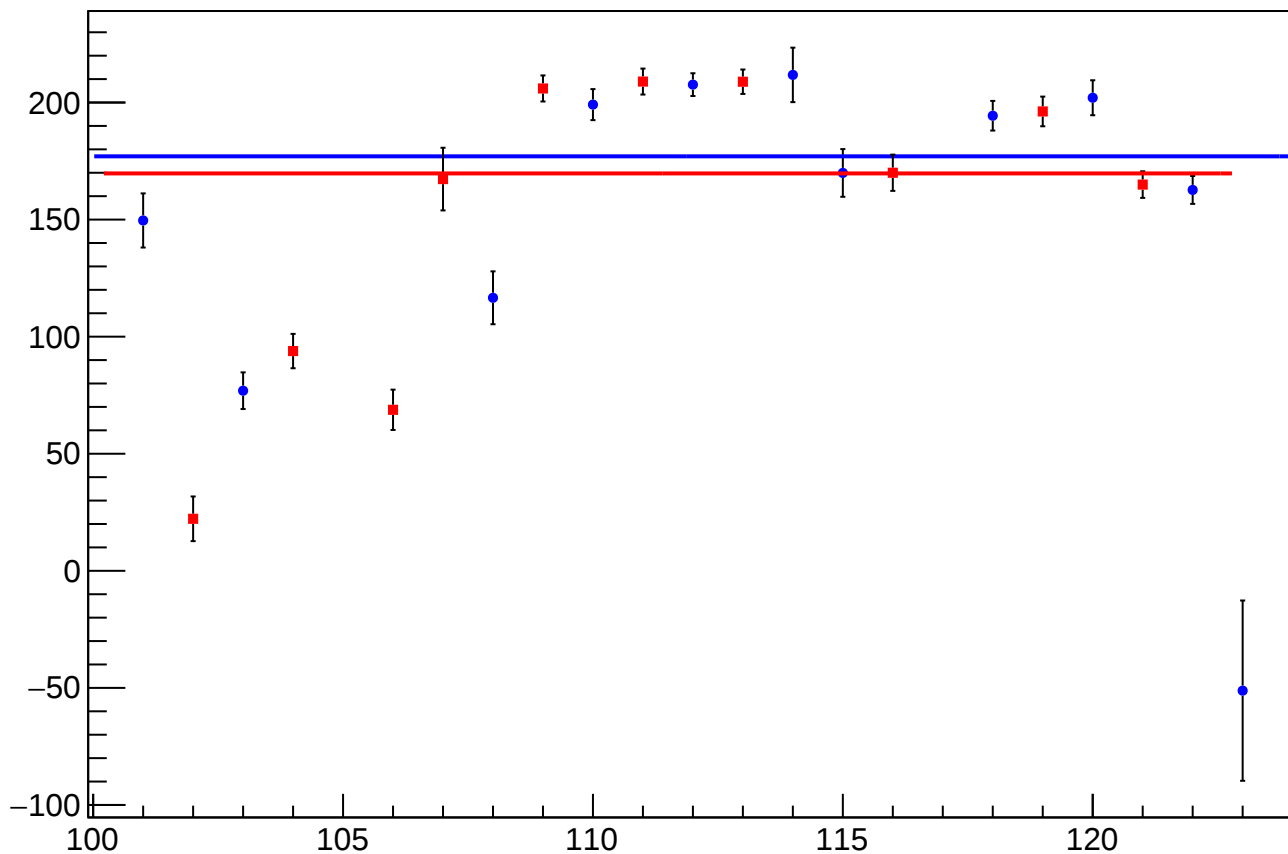
Right: -101.249+/-0.065  $\chi^2/\text{NDF}$ : 253787.2/20

In: -109.133+/-0.098  $\chi^2/\text{NDF}$ : 48920.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -101.249+/-0.065  $\chi^2/\text{NDF}$ : 253787.2/20

reg\_asym\_atr1l2\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 177.013 $\pm$ 2.322  $\chi^2$ /NDF: 317.7/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 169.718 $\pm$ 2.118  $\chi^2$ /NDF: 650.9/9

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

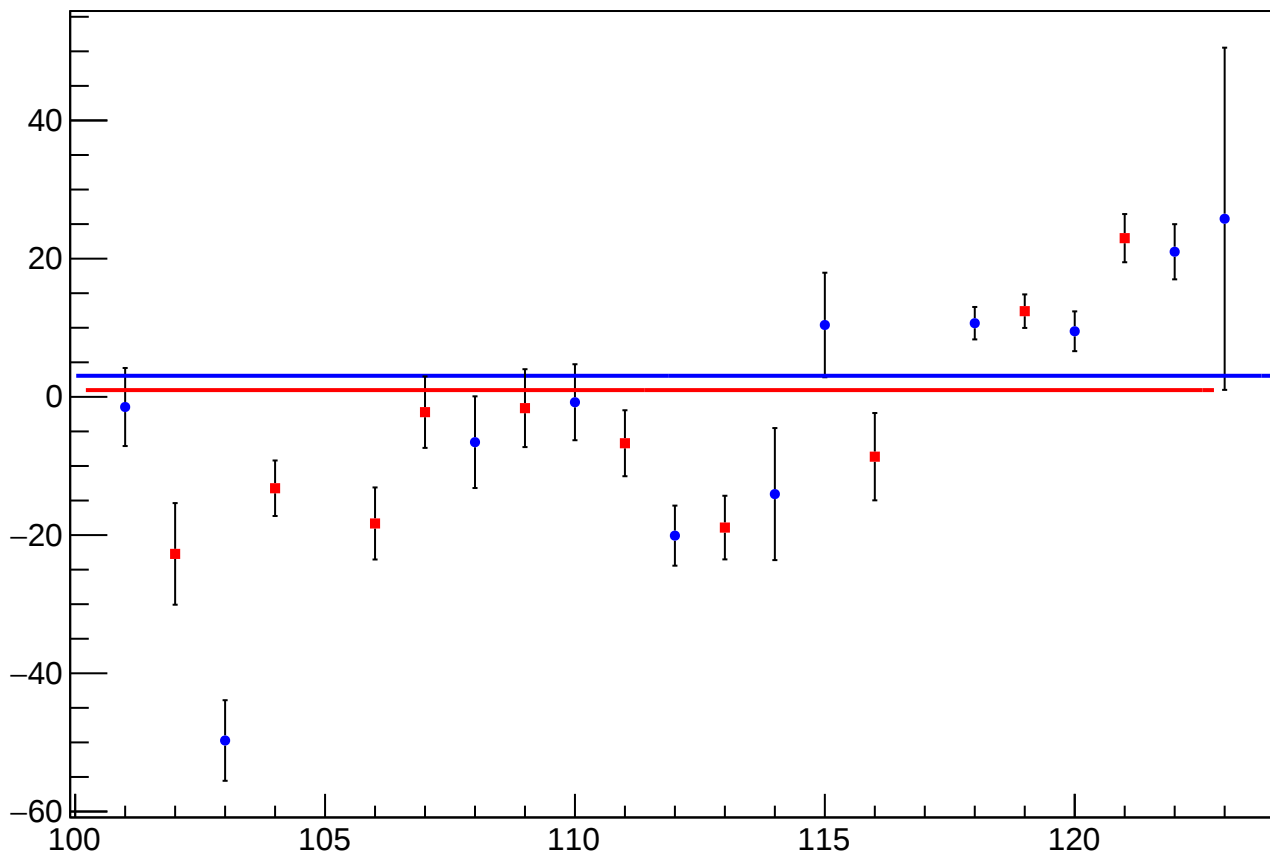
Right: 173.032 $\pm$ 1.565  $\chi^2$ /NDF: 974.0/20

In: 177.013 $\pm$ 2.322  $\chi^2$ /NDF:317.7/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 173.032 $\pm$ 1.565  $\chi^2$ /NDF: 974.0/20

reg\_asym\_atr1l2\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.051+/-1.331  $\chi^2/\text{NDF}$ : 154.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.980+/-1.343  $\chi^2/\text{NDF}$ : 122.7/9

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

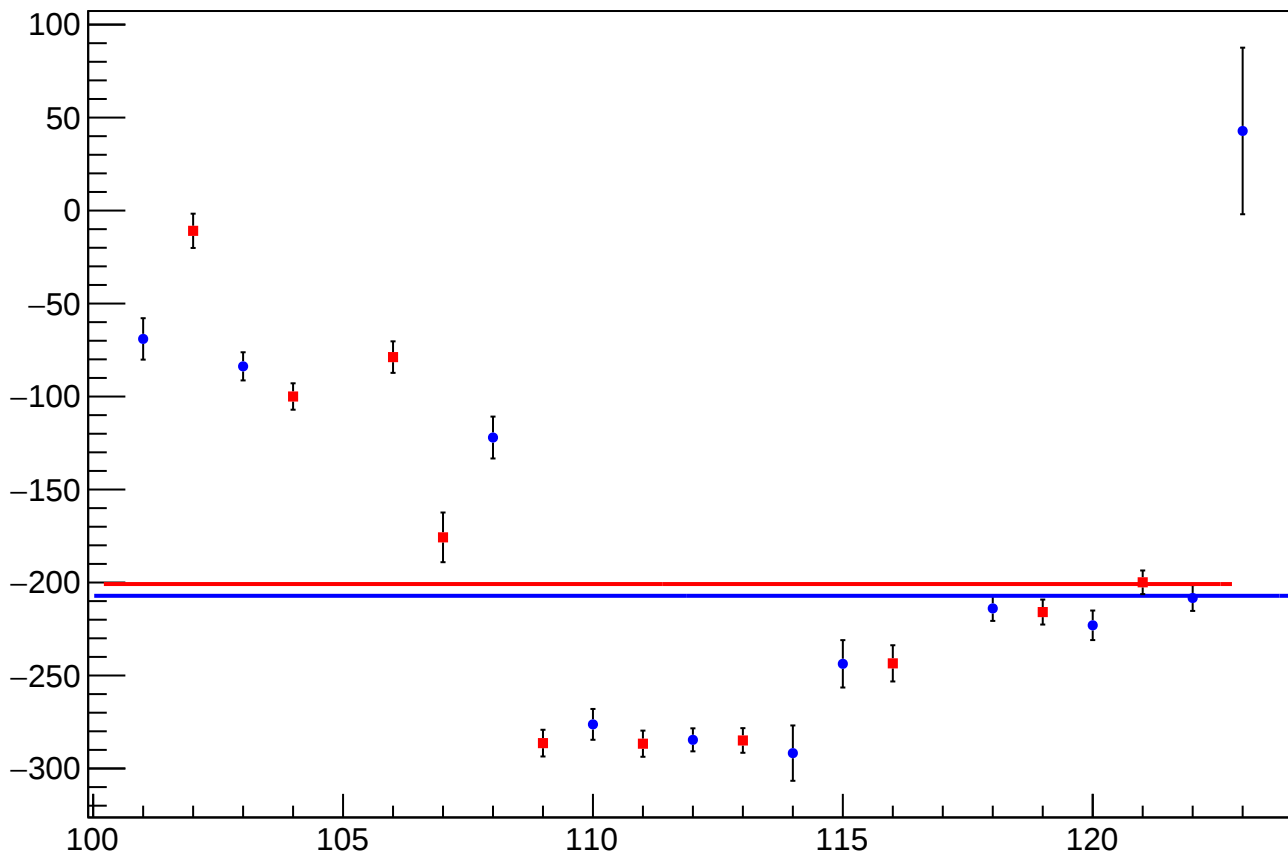
Right: 2.025+/-0.945  $\chi^2/\text{NDF}$ : 278.1/20

In: 3.051+/-1.331  $\chi^2/\text{NDF}$ : 154.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.025+/-0.945  $\chi^2/\text{NDF}$ : 278.1/20

reg\_asym\_atr1l2\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -207.146+/-2.635  $\chi^2/\text{NDF}$ : 779.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -200.817+/-2.418  $\chi^2/\text{NDF}$ : 1313.6/9

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

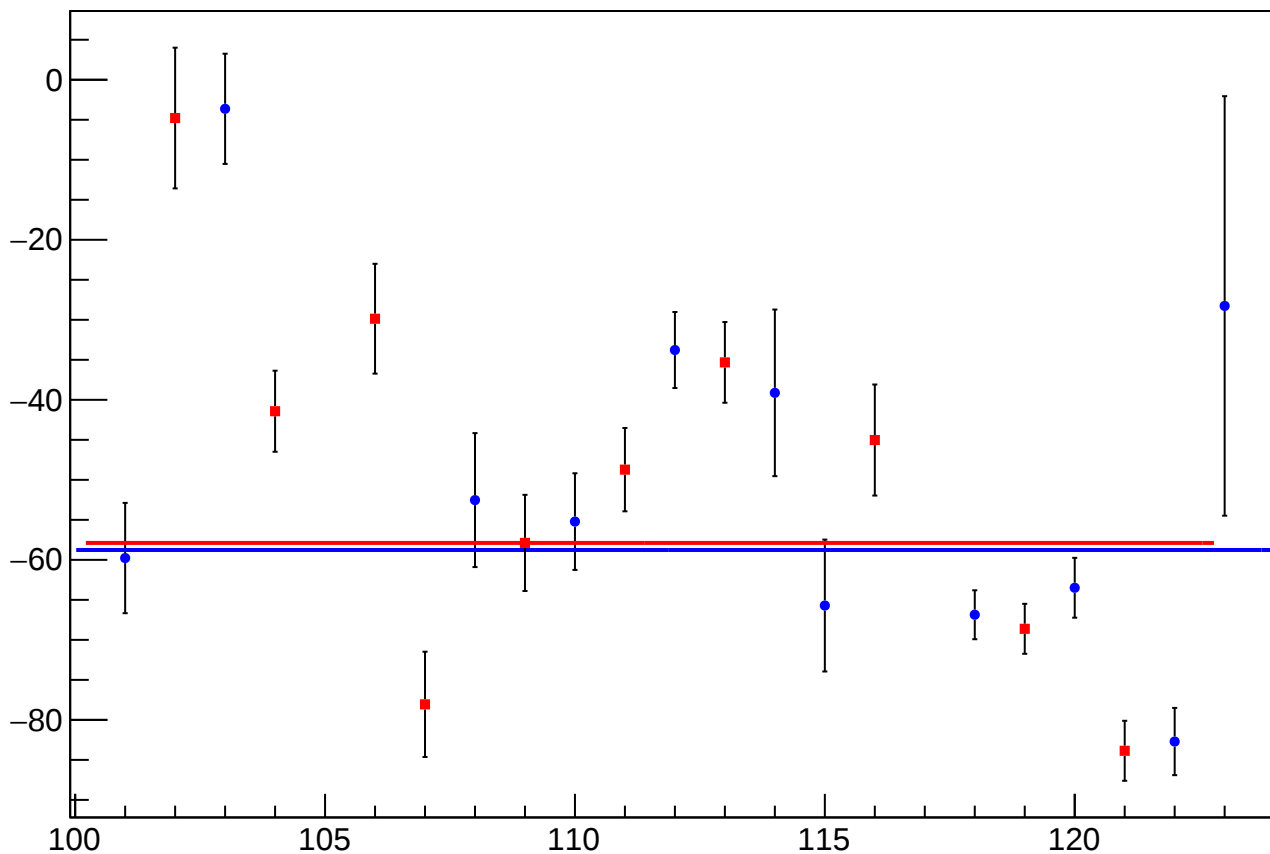
Right: -203.710+/-1.782  $\chi^2/\text{NDF}$ : 2096.4/20

In: -207.146+/-2.635  $\chi^2/\text{NDF}$ : 779.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -203.710+/-1.782  $\chi^2/\text{NDF}$ : 2096.4/20

reg\_asym\_atr1l2\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -58.765+/-1.604  $\chi^2/\text{NDF}$ : 139.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -57.883+/-1.592  $\chi^2/\text{NDF}$ : 159.4/9

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

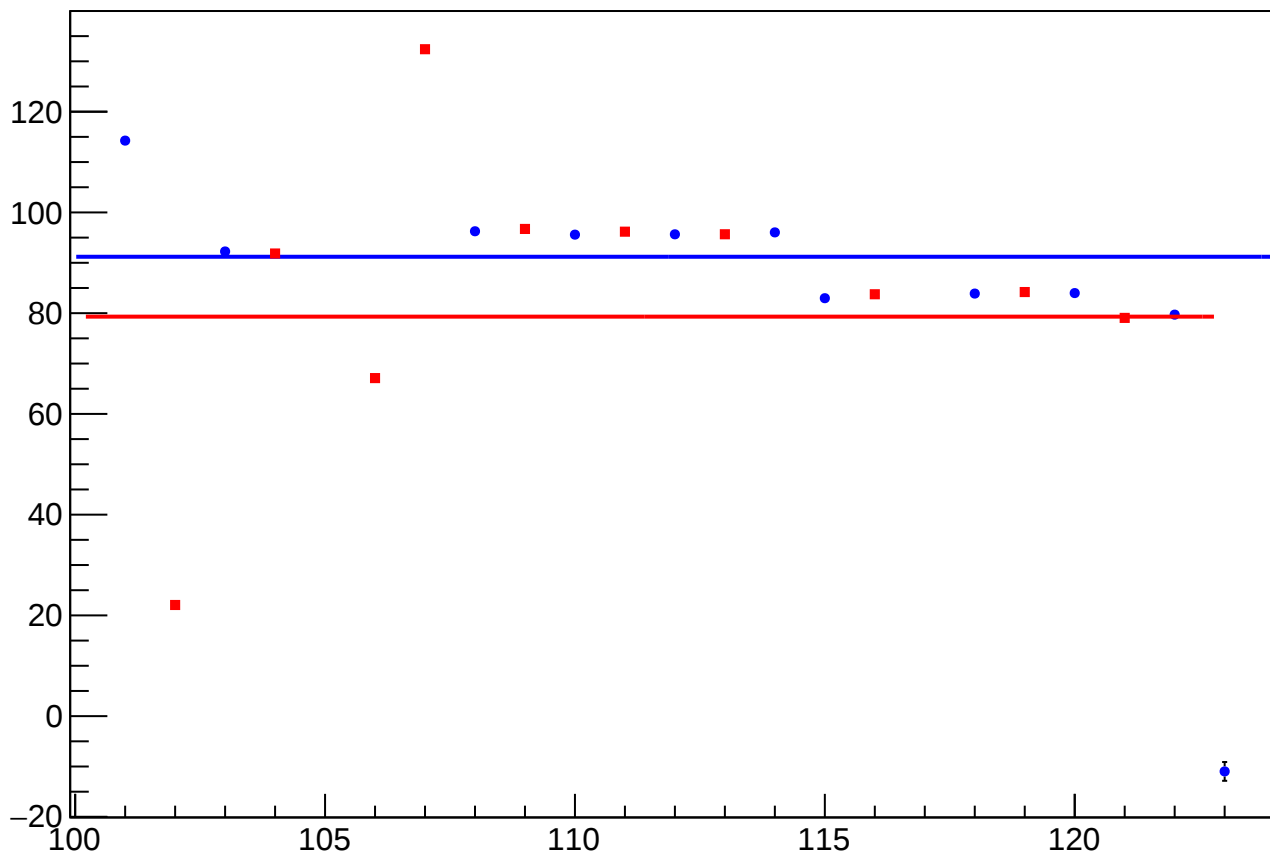
Right: -58.321+/-1.130  $\chi^2/\text{NDF}$ : 299.0/20

In: -58.765+/-1.604  $\chi^2/\text{NDF}$ : 139.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -58.321+/-1.130  $\chi^2/\text{NDF}$ : 299.0/20

reg\_asym\_atr1l2\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 91.200+/-0.094  $\chi^2/\text{NDF}$ : 10070.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 79.311+/-0.083  $\chi^2/\text{NDF}$ : 119723.5/9

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

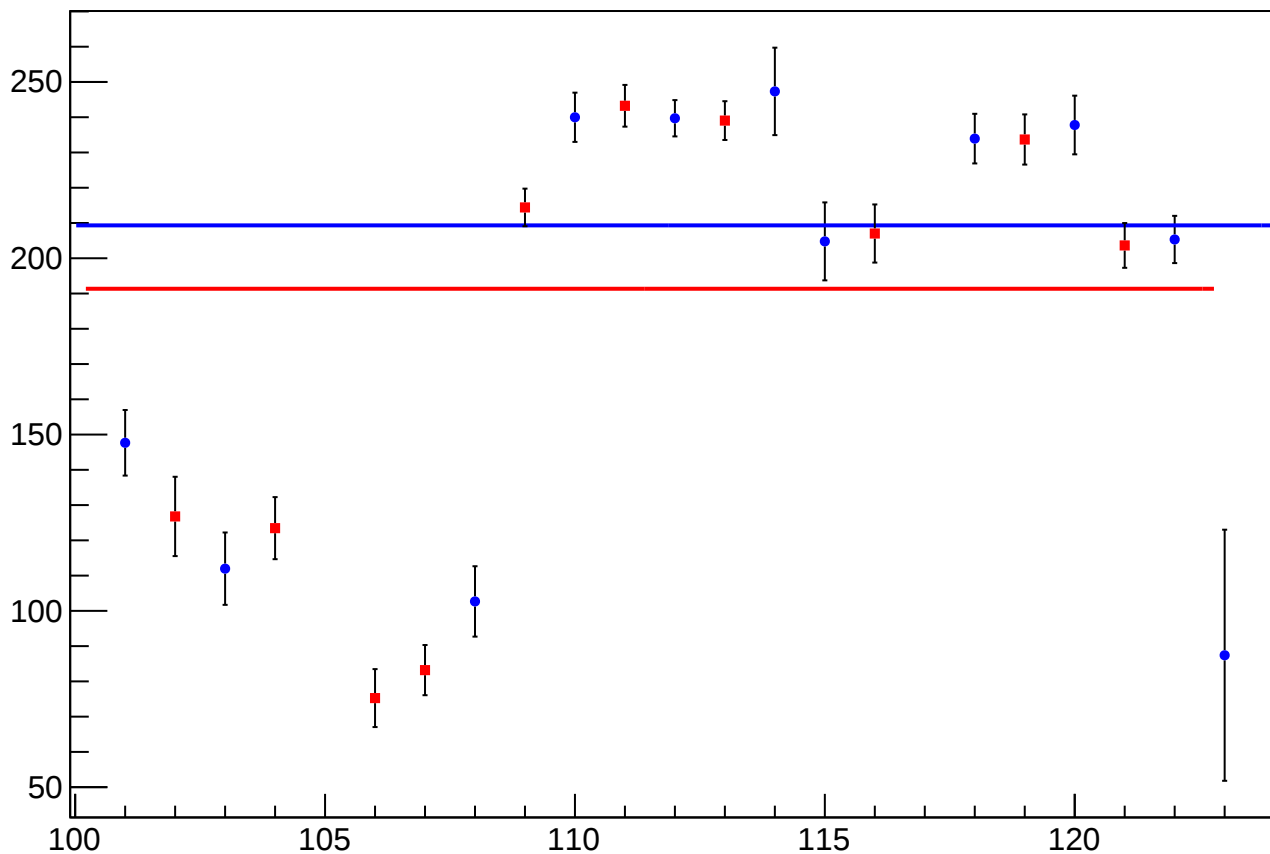
Right: 84.496+/-0.062  $\chi^2/\text{NDF}$ : 138819.9/20

In: 91.200+/-0.094  $\chi^2/\text{NDF}$ : 10070.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 84.496+/-0.062  $\chi^2/\text{NDF}$ : 138819.9/20

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 209.327 $\pm$ 2.487  $\chi^2$ /NDF: 347.8/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 191.352 $\pm$ 2.175  $\chi^2$ /NDF: 736.5/9

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

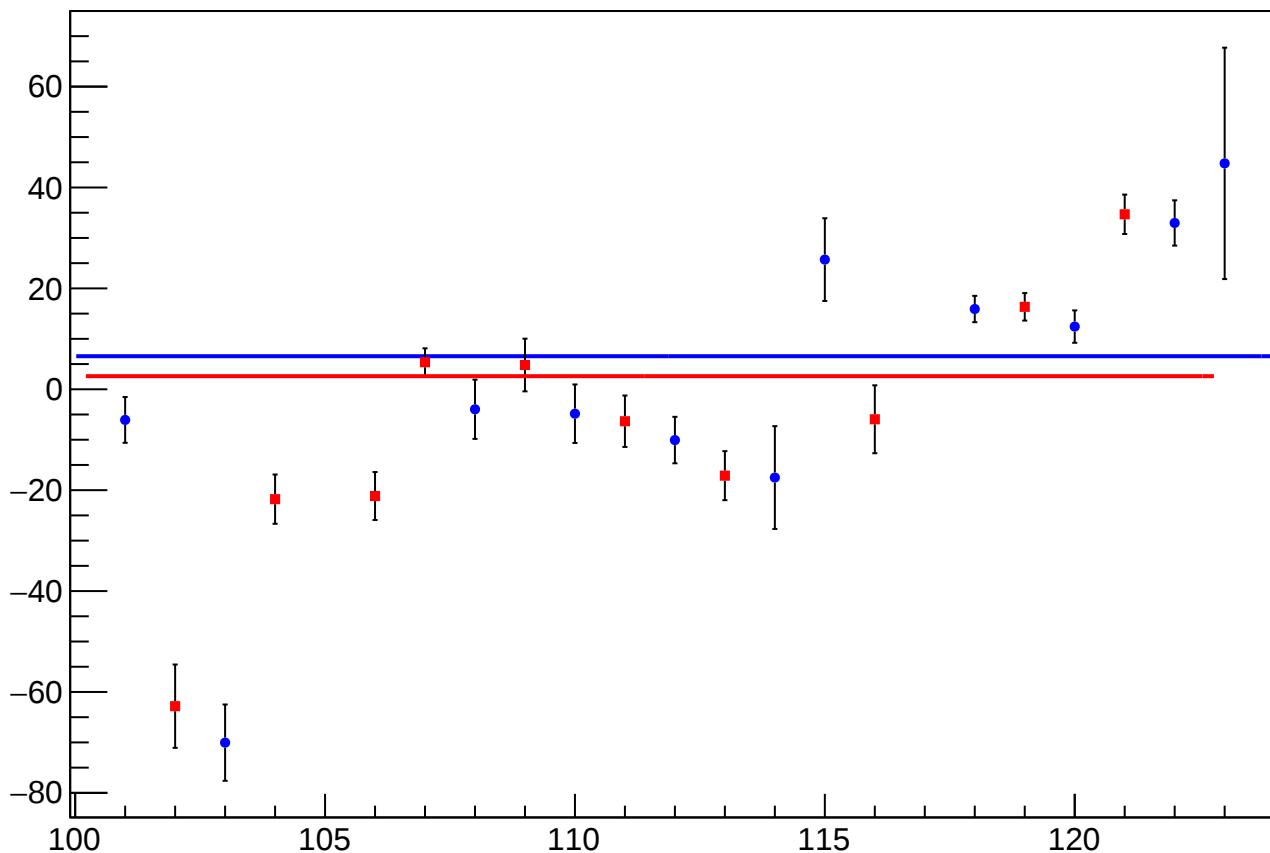
Right: 199.142 $\pm$ 1.637  $\chi^2$ /NDF: 1114.0/20

In: 209.327 $\pm$ 2.487  $\chi^2$ /NDF:347.8/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 199.142 $\pm$ 1.637  $\chi^2$ /NDF: 1114.0/20

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 6.555+/-1.426  $\chi^2/\text{NDF}$ : 195.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.598+/-1.322  $\chi^2/\text{NDF}$ : 227.8/9

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

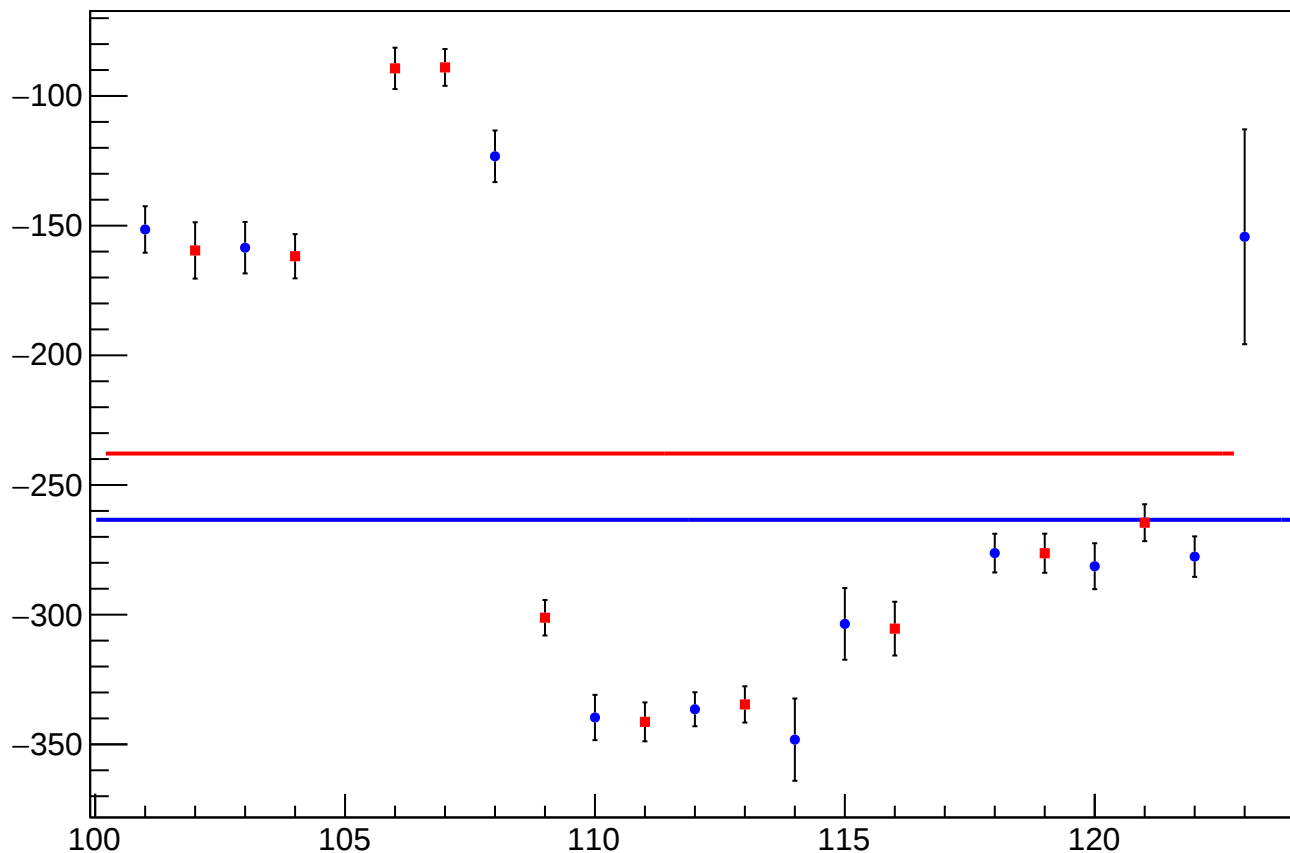
Right: 4.428+/-0.969  $\chi^2/\text{NDF}$ : 427.0/20

In: 6.555+/-1.426  $\chi^2/\text{NDF}$ : 195.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 4.428+/-0.969  $\chi^2/\text{NDF}$ : 427.0/20

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -263.413+/-2.818  $\chi^2/\text{NDF}$ : 720.8/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -237.868+/-2.470  $\chi^2/\text{NDF}$ : 1467.0/9

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

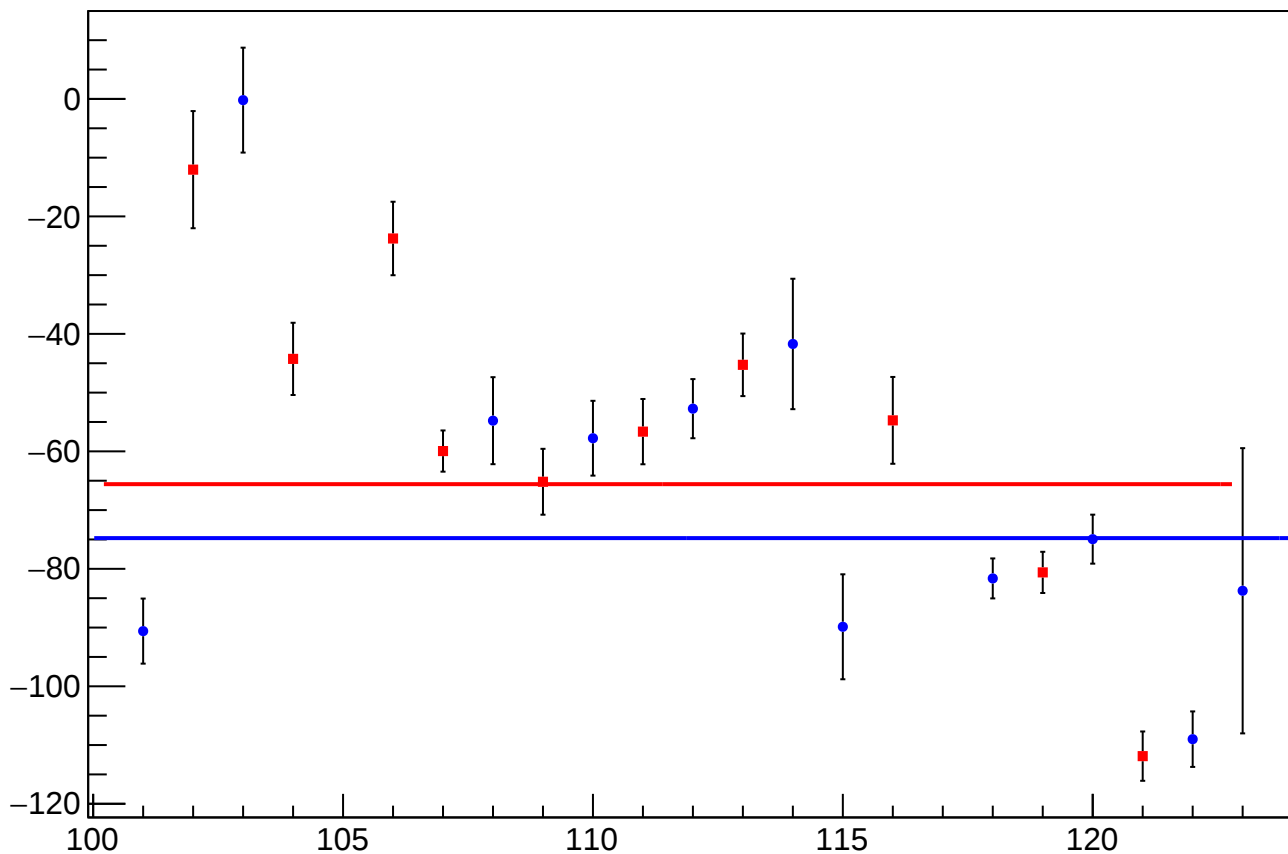
Right: -248.968+/-1.857  $\chi^2/\text{NDF}$ : 2234.3/20

In: -263.413+/-2.818  $\chi^2/\text{NDF}$ : 720.8/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -248.968+/-1.857  $\chi^2/\text{NDF}$ : 2234.3/20

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -74.770+/-1.719  $\chi^2/\text{NDF}$ : 179.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -65.586+/-1.583  $\chi^2/\text{NDF}$ : 247.4/9

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

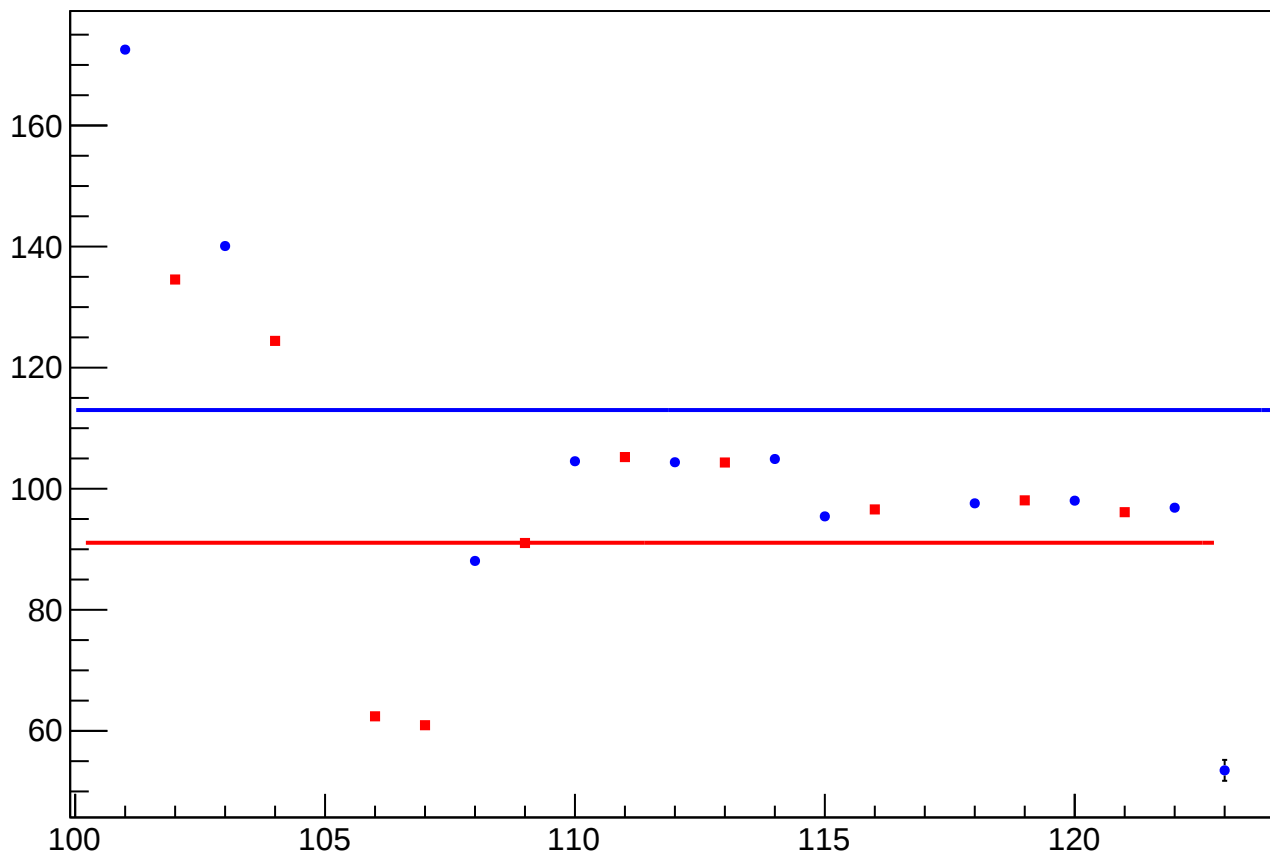
Right: -69.800+/-1.164  $\chi^2/\text{NDF}$ : 442.8/20

In: -74.770+/-1.719  $\chi^2/\text{NDF}$ : 179.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -69.800+/-1.164  $\chi^2/\text{NDF}$ : 442.8/20

reg\_asym\_atl\_dd\_atr\_dd\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 112.998+/-0.101  $\chi^2/\text{NDF}$ : 70891.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 91.076+/-0.082  $\chi^2/\text{NDF}$ : 109312.8/9

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

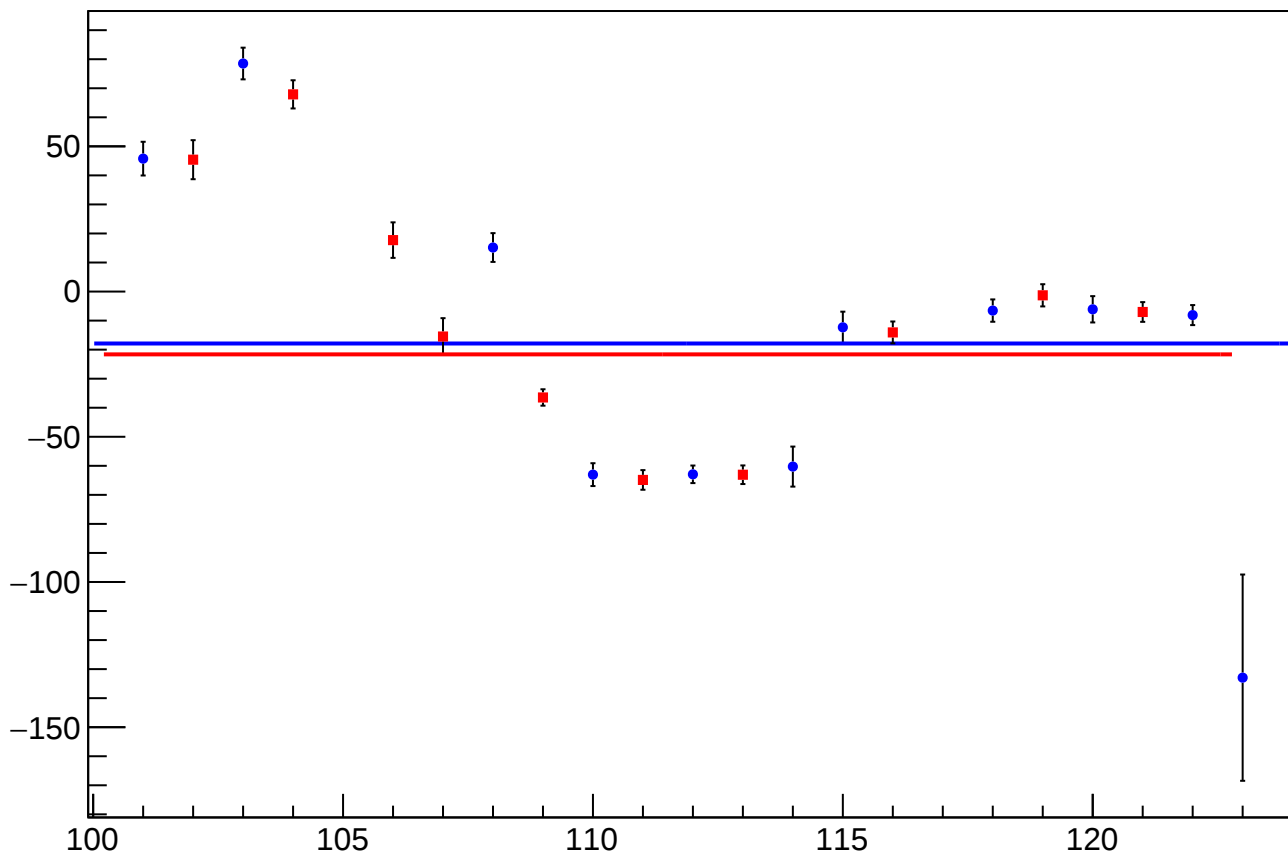
Right: 99.688+/-0.064  $\chi^2/\text{NDF}$ : 208565.3/20

In: 112.998+/-0.101  $\chi^2/\text{NDF}$ : 70891.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 99.688+/-0.064  $\chi^2/\text{NDF}$ : 208565.3/20

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -17.883+/-1.367  $\chi^2/\text{NDF}$ : 903.6/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -21.627+/-1.238  $\chi^2/\text{NDF}$ : 891.5/9

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

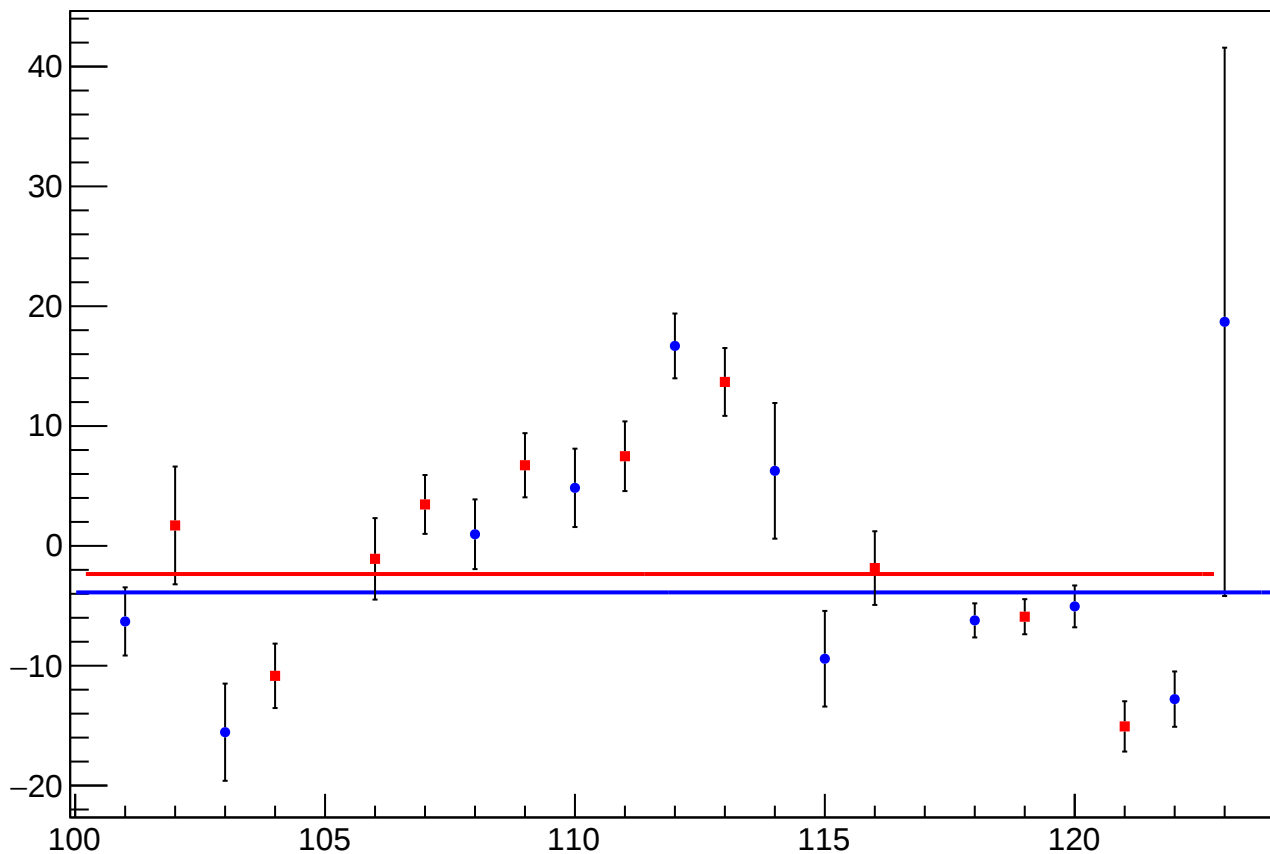
Right: -19.940+/-0.918  $\chi^2/\text{NDF}$ : 1799.2/20

In: -17.883+/-1.367  $\chi^2/\text{NDF}$ : 903.6/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -19.940+/-0.918  $\chi^2/\text{NDF}$ : 1799.2/20

reg\_asym\_atl\_dd\_atr\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: -3.882+/-0.781  $\chi^2/\text{NDF}$ : 100.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.348+/-0.787  $\chi^2/\text{NDF}$ : 114.0/9

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

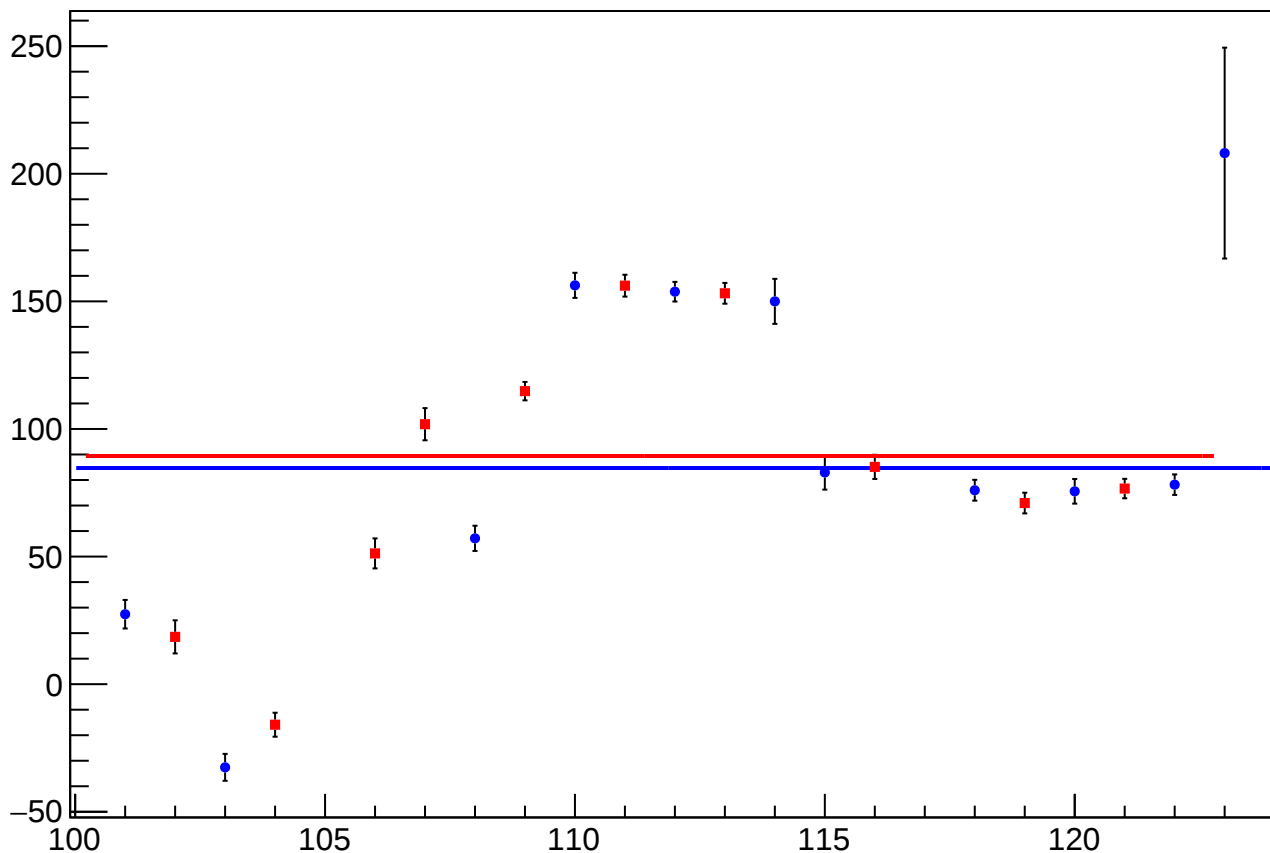
Right: -3.121+/-0.555  $\chi^2/\text{NDF}$ : 216.8/20

In: -3.882+/-0.781  $\chi^2/\text{NDF}$ : 100.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -3.121+/-0.555  $\chi^2/\text{NDF}$ : 216.8/20

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 84.698+/-1.546  $\chi^2$ /NDF: 1238.6/10

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: 89.401+/-1.430  $\chi^2$ /NDF: 1237.4/9

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

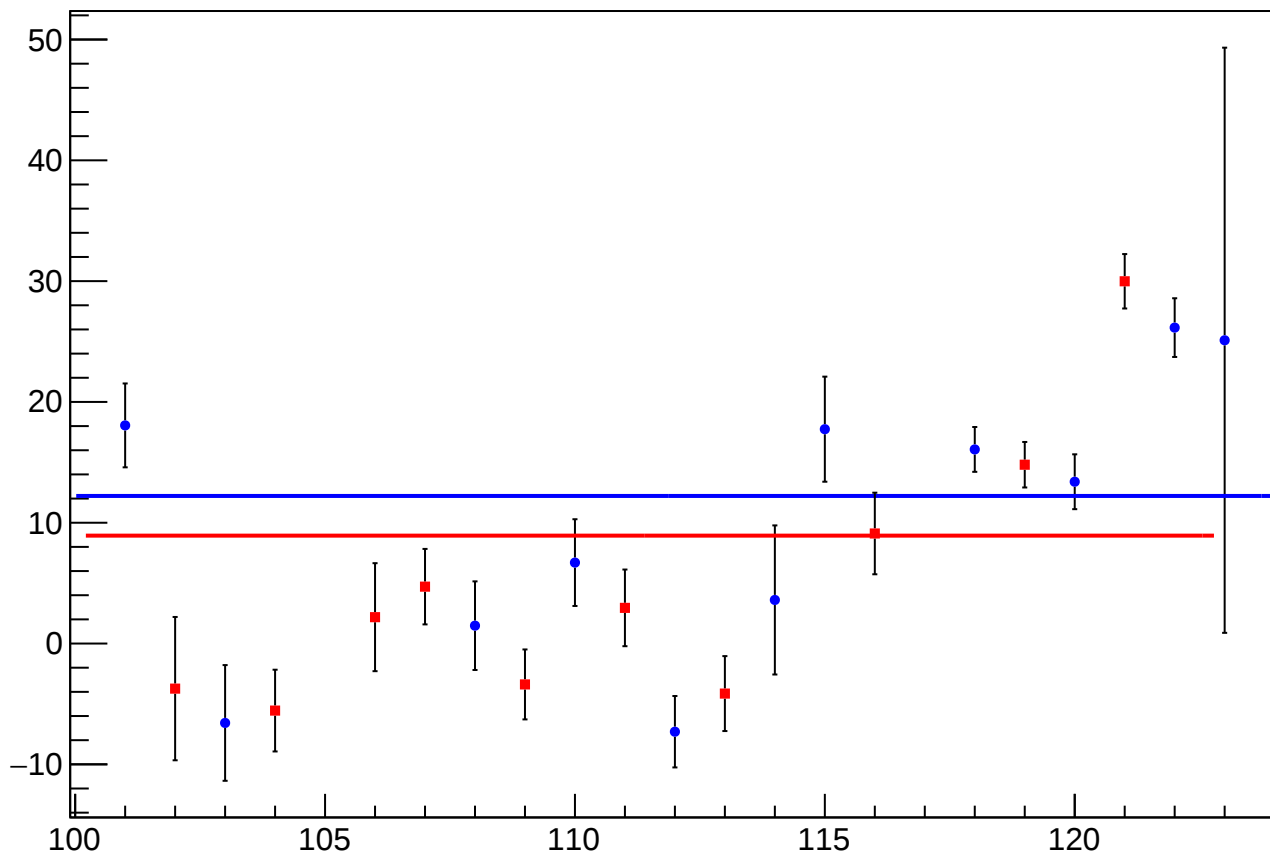
Right: 87.233+/-1.050  $\chi^2$ /NDF: 2480.9/20

In: 84.698+/-1.546  $\chi^2$ /NDF:1238.6/10

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: 87.233+/-1.050  $\chi^2$ /NDF: 2480.9/20

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 12.218 $\pm$ 0.942  $\chi^2$ /NDF: 114.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

Right Out: 8.933 $\pm$ 0.929  $\chi^2$ /NDF: 163.5/9

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

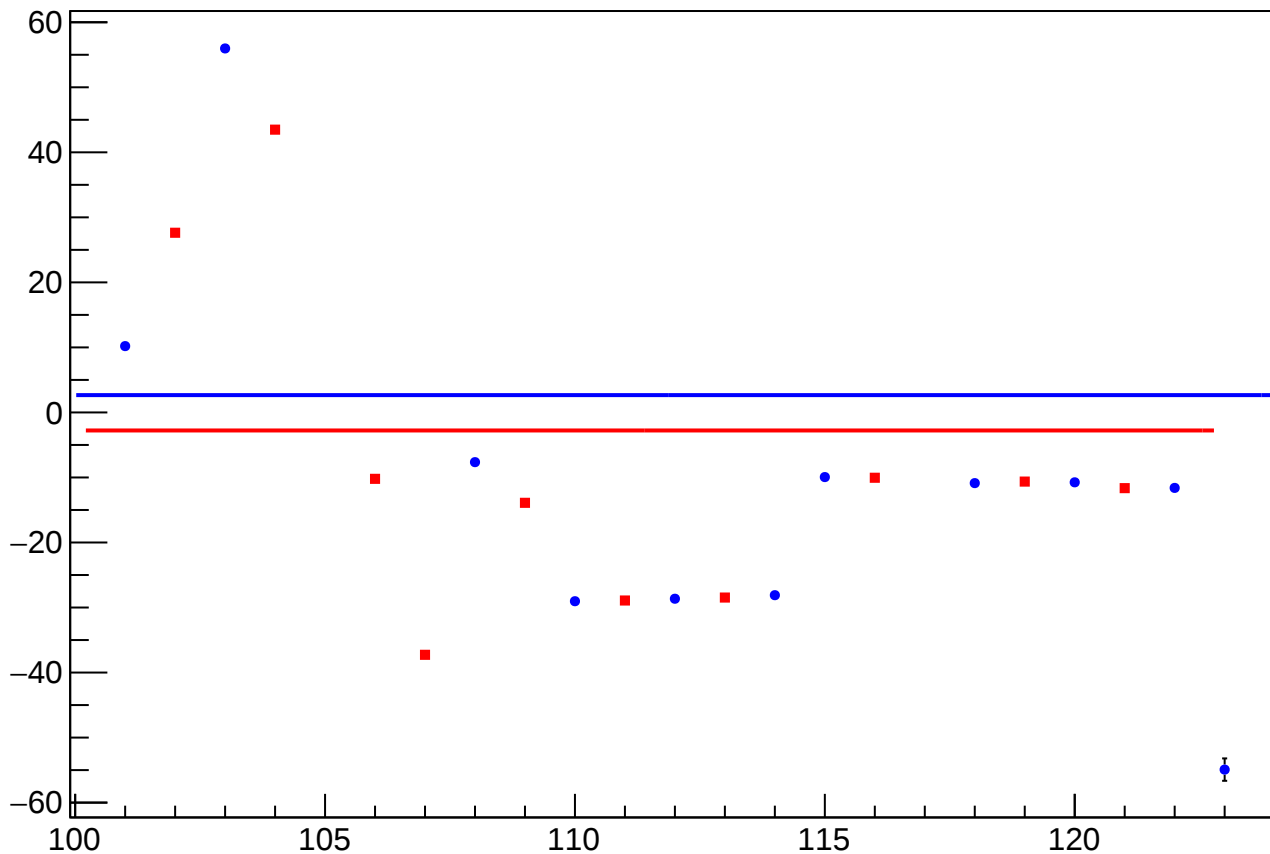
Right: 10.554 $\pm$ 0.662  $\chi^2$ /NDF: 283.7/20

In: 12.218 $\pm$ 0.942  $\chi^2$ /NDF: 114.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF: 0.0/0

All: 10.554 $\pm$ 0.662  $\chi^2$ /NDF: 283.7/20

reg\_asym\_atl\_dd\_atr\_dd\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 2.664 $\pm$ 0.055  $\chi^2$ /NDF: 287075.0/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.773 $\pm$ 0.051  $\chi^2$ /NDF: 296329.4/9

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

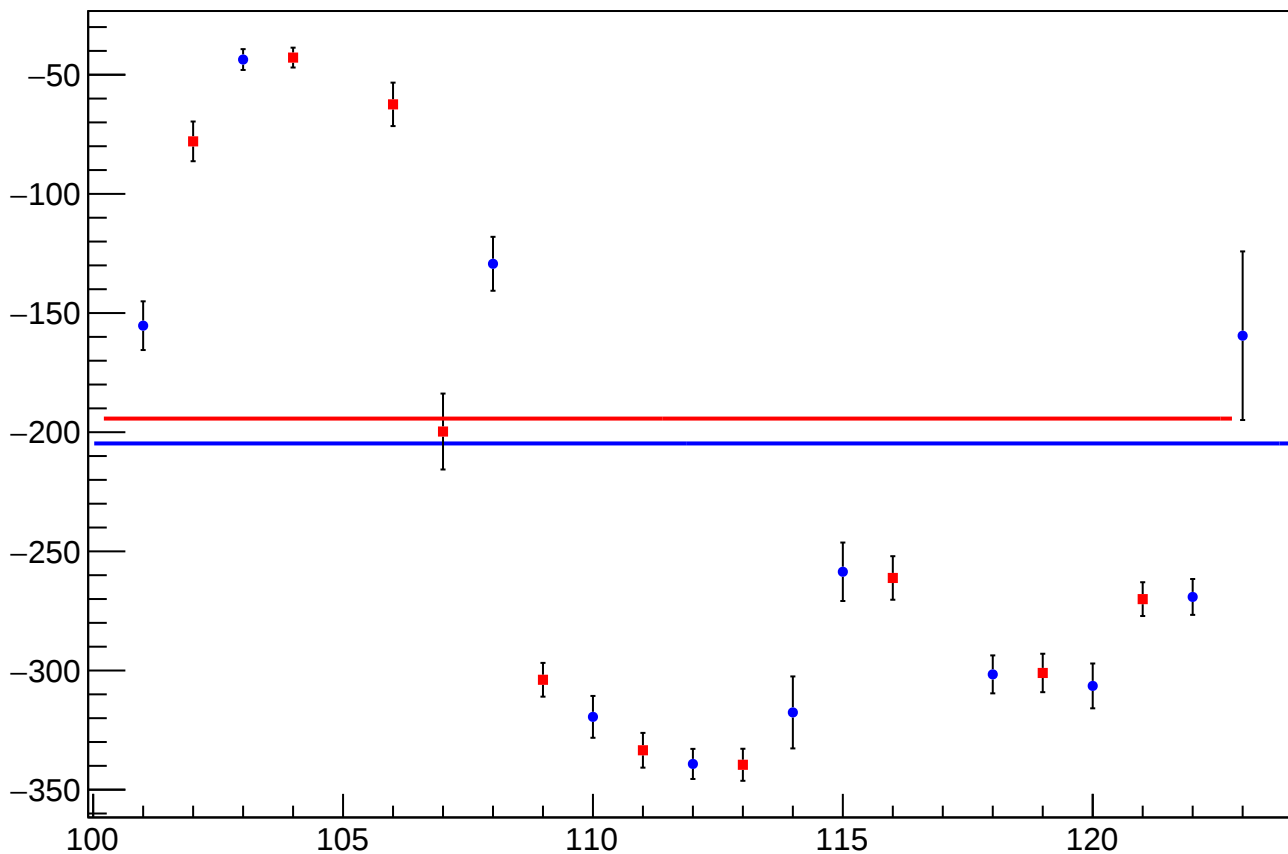
Right: -0.247 $\pm$ 0.037  $\chi^2$ /NDF: 588717.1/20

In: 2.664 $\pm$ 0.055  $\chi^2$ /NDF:287075.0/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: -0.247 $\pm$ 0.037  $\chi^2$ /NDF: 588717.1/20

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: -204.718+/-2.467  $\chi^2/\text{NDF}$ : 2465.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -194.281+/-2.258  $\chi^2/\text{NDF}$ : 3140.2/9

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

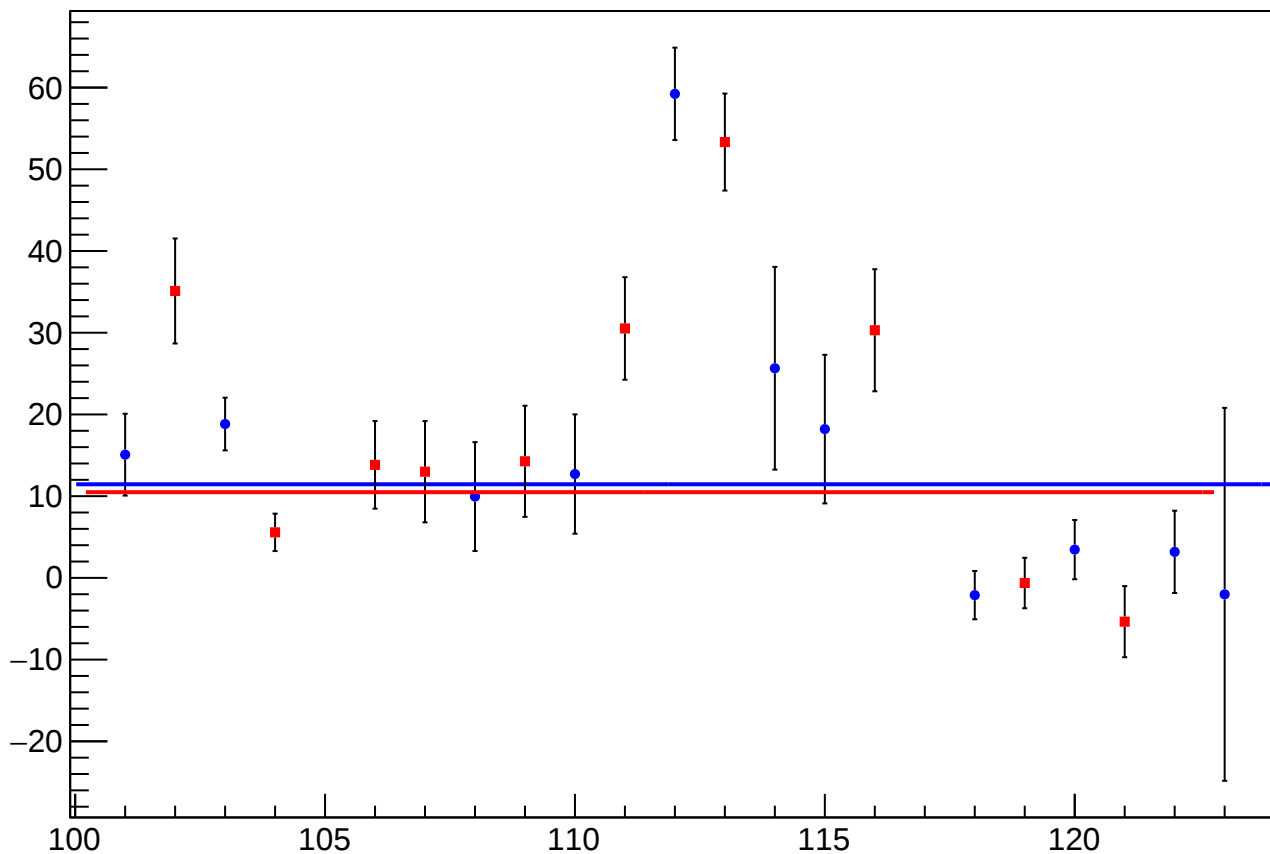
Right: -199.039+/-1.666  $\chi^2/\text{NDF}$ : 5615.0/20

In: -204.718+/-2.467  $\chi^2/\text{NDF}$ :2465.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -199.039+/-1.666  $\chi^2/\text{NDF}$ : 5615.0/20

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 11.454+/-1.476  $\chi^2/\text{NDF}$ : 108.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.486+/-1.377  $\chi^2/\text{NDF}$ : 115.7/9

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

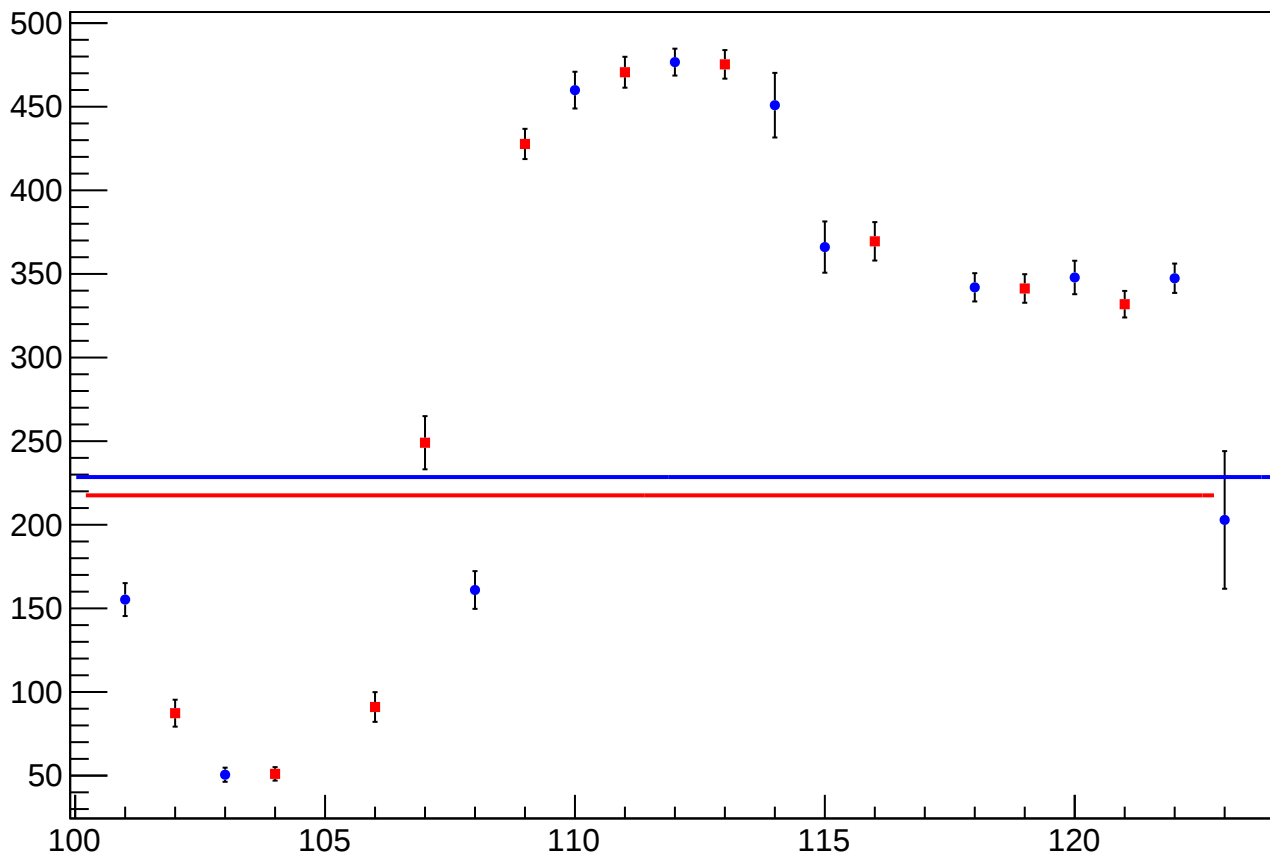
Right: 10.937+/-1.007  $\chi^2/\text{NDF}$ : 224.0/20

In: 11.454+/-1.476  $\chi^2/\text{NDF}$ : 108.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 10.937+/-1.007  $\chi^2/\text{NDF}$ : 224.0/20

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: 228.533+/-2.650  $\chi^2/\text{NDF}$ : 3979.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 217.587+/-2.438  $\chi^2/\text{NDF}$ : 4963.9/9

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

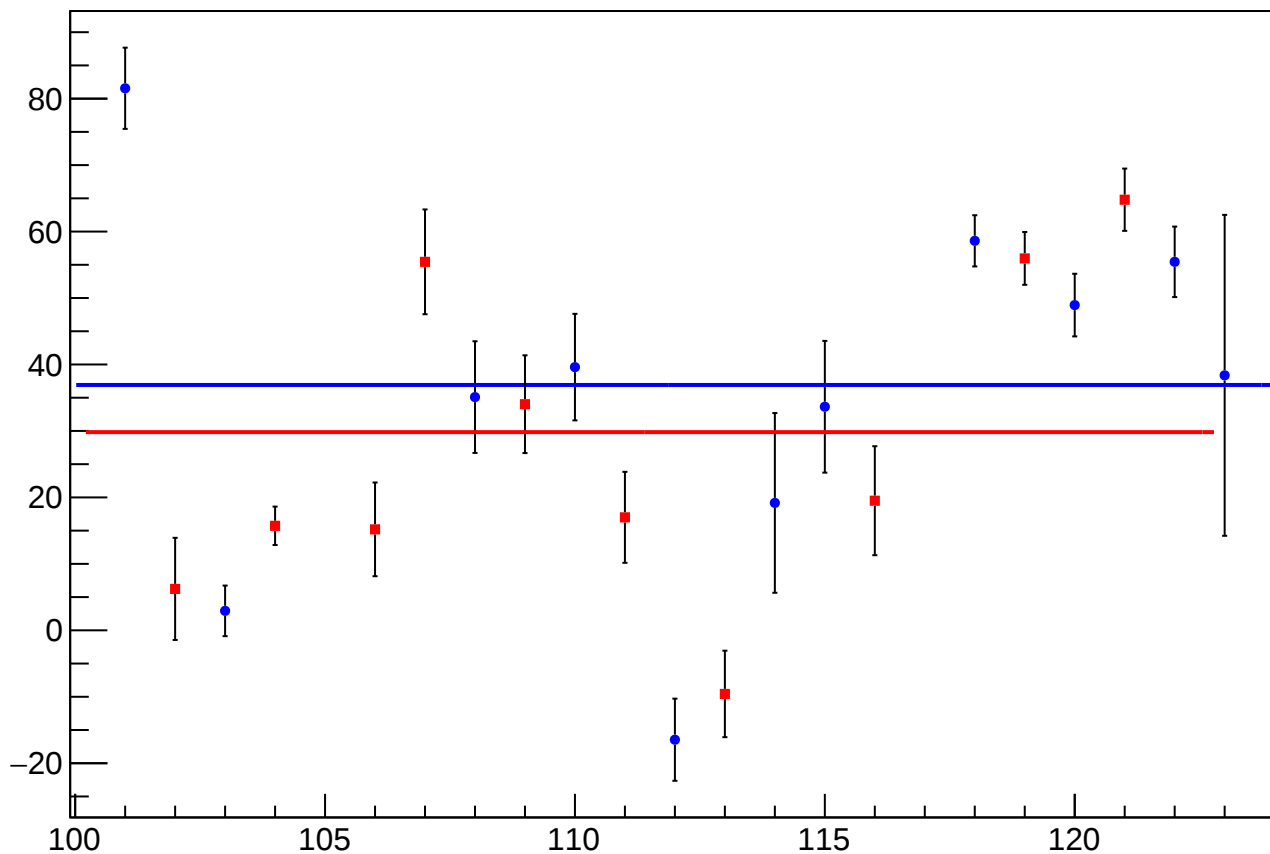
Right: 222.604+/-1.794  $\chi^2/\text{NDF}$ : 8952.4/20

In: 228.533+/-2.650  $\chi^2/\text{NDF}$ : 3979.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 222.604+/-1.794  $\chi^2/\text{NDF}$ : 8952.4/20

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: 36.919+/-1.776  $\chi^2/\text{NDF}$ : 260.1/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 29.822+/-1.666  $\chi^2/\text{NDF}$ : 189.2/9

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

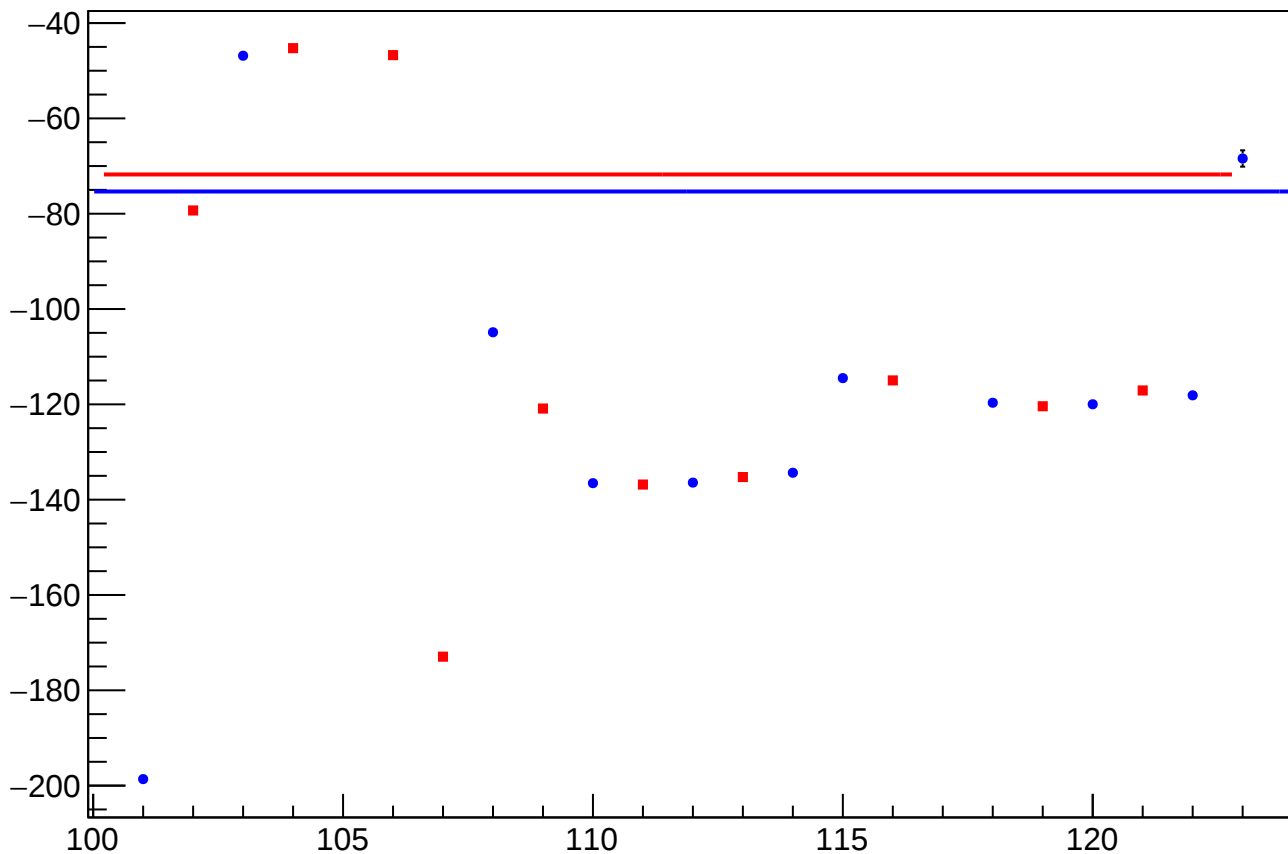
Right: 33.144+/-1.215  $\chi^2/\text{NDF}$ : 457.8/20

In: 36.919+/-1.776  $\chi^2/\text{NDF}$ : 260.1/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 33.144+/-1.215  $\chi^2/\text{NDF}$ : 457.8/20

reg\_asym\_atl\_avg\_atr\_avg\_avg\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: -75.338+/-0.077  $\chi^2/\text{NDF}$ : 312402.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -71.764+/-0.073  $\chi^2/\text{NDF}$ : 265644.7/9

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

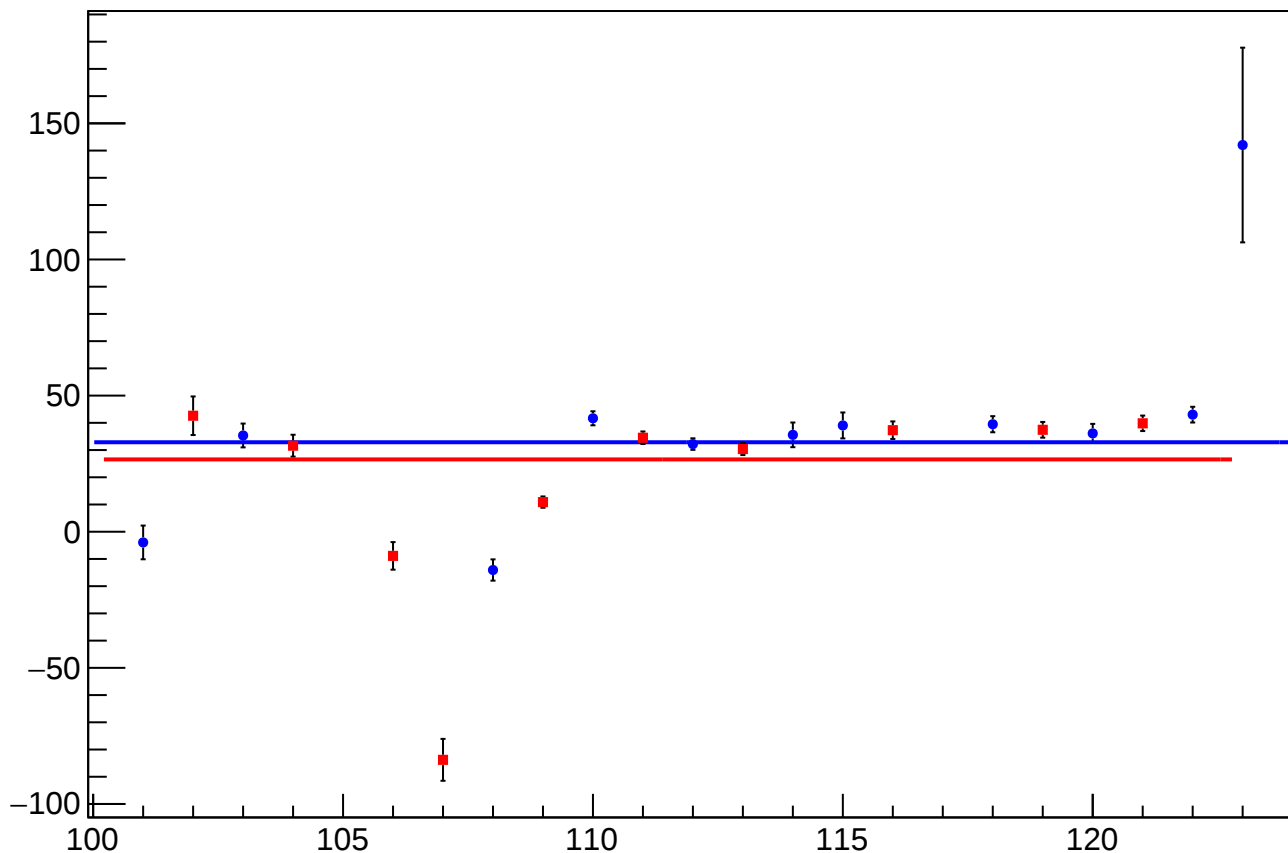
Right: -73.451+/-0.053  $\chi^2/\text{NDF}$ : 579191.2/20

In: -75.338+/-0.077  $\chi^2/\text{NDF}$ : 312402.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -73.451+/-0.053  $\chi^2/\text{NDF}$ : 579191.2/20

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 32.865+/-1.038  $\chi^2/\text{NDF}$ : 221.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 26.562+/-0.951  $\chi^2/\text{NDF}$ : 380.3/9

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

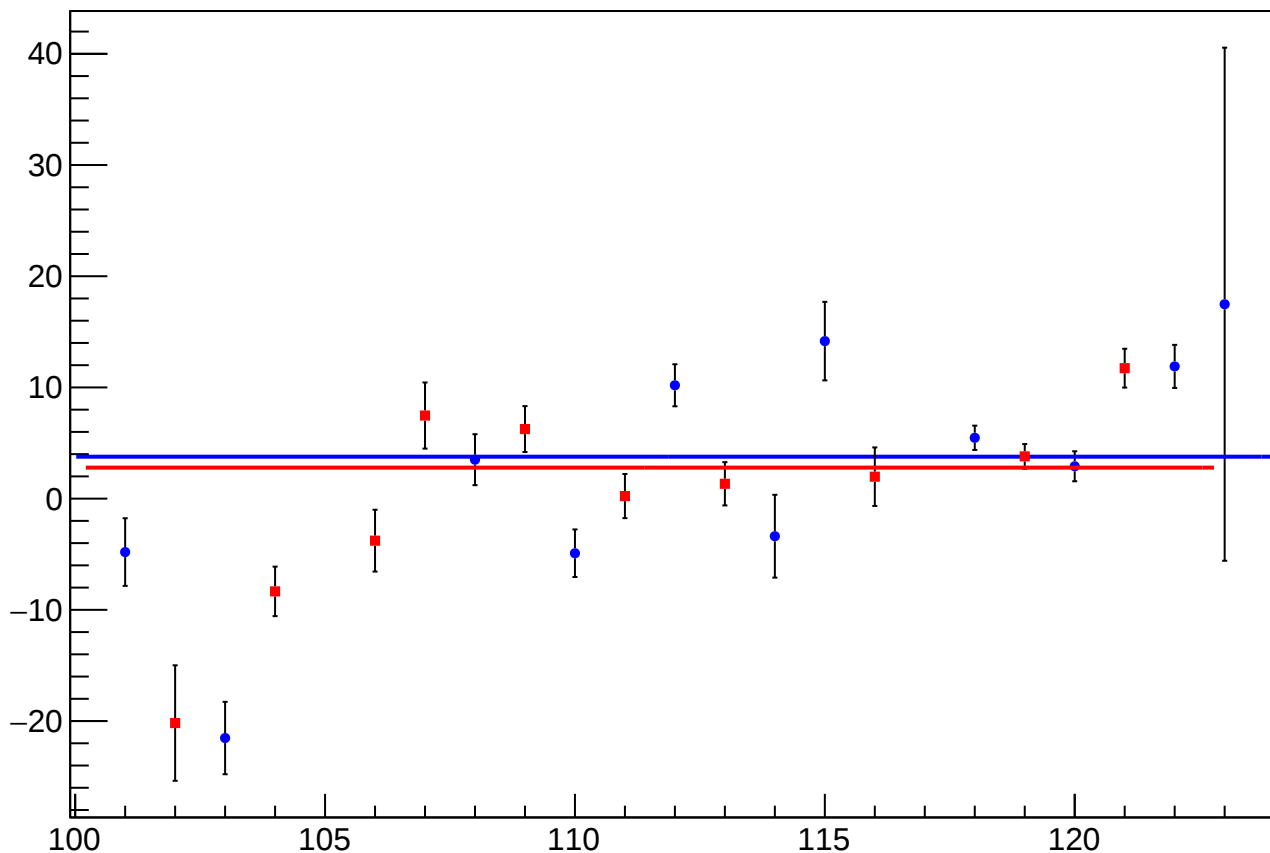
Right: 29.439+/-0.701  $\chi^2/\text{NDF}$ : 621.6/20

In: 32.865+/-1.038  $\chi^2/\text{NDF}$ : 221.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 29.439+/-0.701  $\chi^2/\text{NDF}$ : 621.6/20

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 3.772 $\pm$ 0.609  $\chi^2$ /NDF: 129.5/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.790 $\pm$ 0.630  $\chi^2$ /NDF: 84.8/9

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

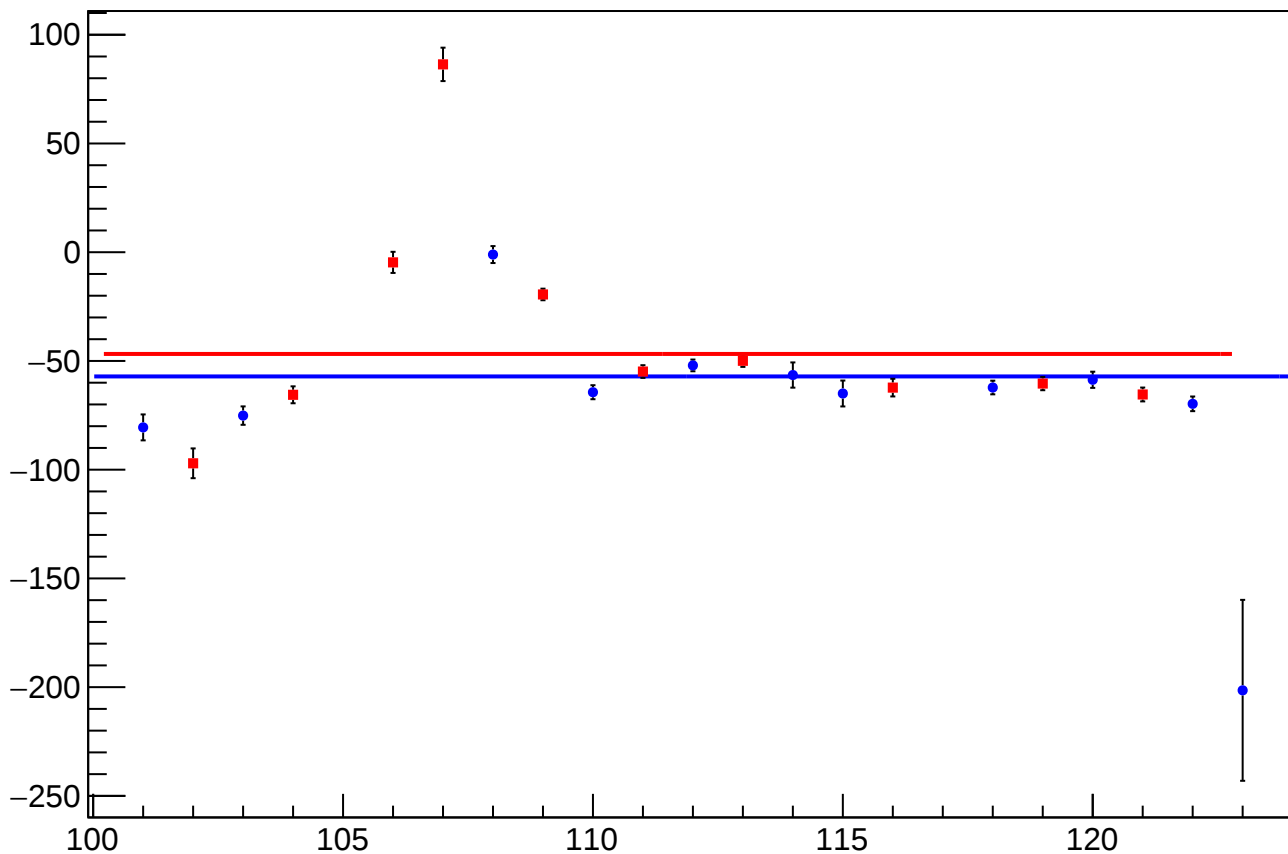
Right: 3.297 $\pm$ 0.438  $\chi^2$ /NDF: 215.5/20

In: 3.772 $\pm$ 0.609  $\chi^2$ /NDF:129.5/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 3.297 $\pm$ 0.438  $\chi^2$ /NDF: 215.5/20

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -57.120+/-1.191  $\chi^2/\text{NDF}$ : 279.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -46.780+/-1.119  $\chi^2/\text{NDF}$ : 636.0/9

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

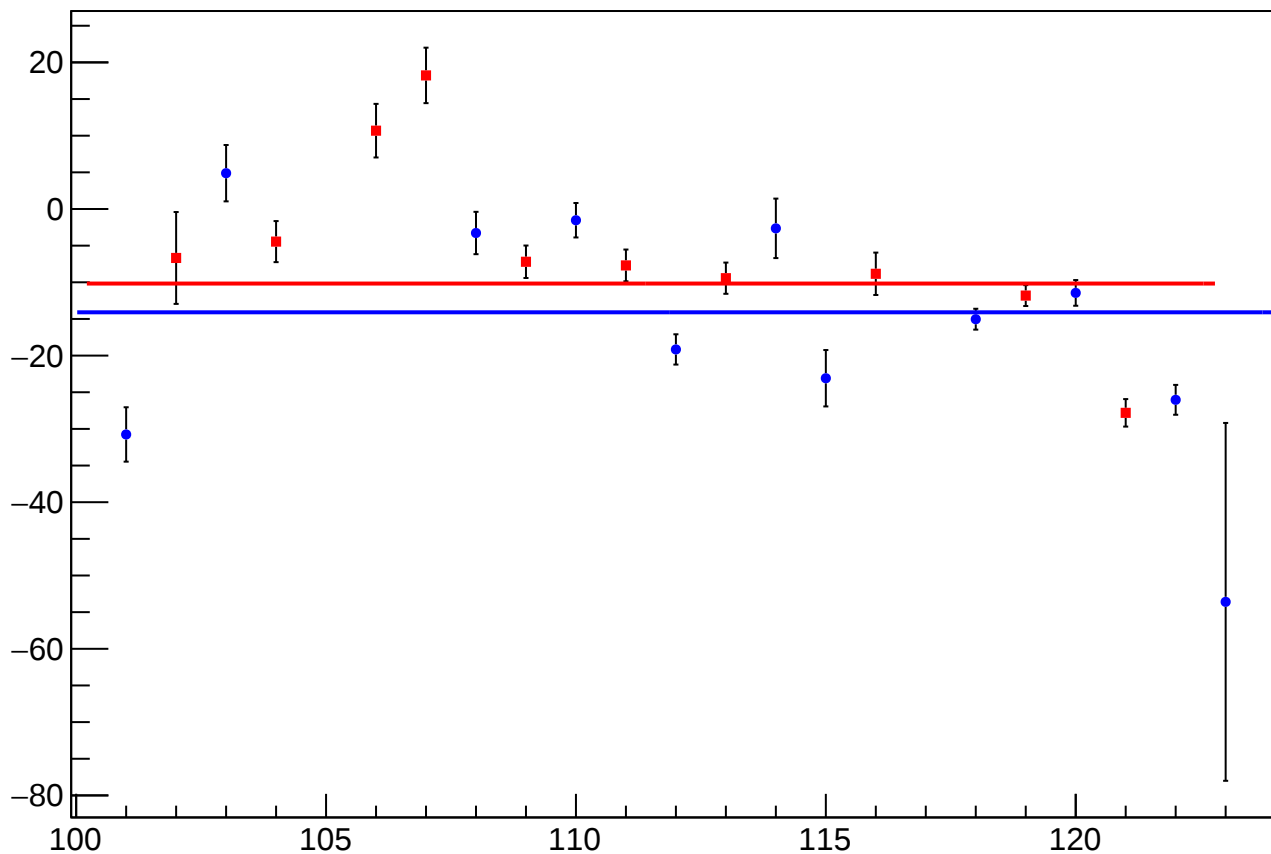
Right: -51.625+/-0.816  $\chi^2/\text{NDF}$ : 955.8/20

In: -57.120+/-1.191  $\chi^2/\text{NDF}$ : 279.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -51.625+/-0.816  $\chi^2/\text{NDF}$ : 955.8/20

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -14.094+/-0.732  $\chi^2/\text{NDF}$ : 146.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -10.171+/-0.739  $\chi^2/\text{NDF}$ : 186.5/9

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

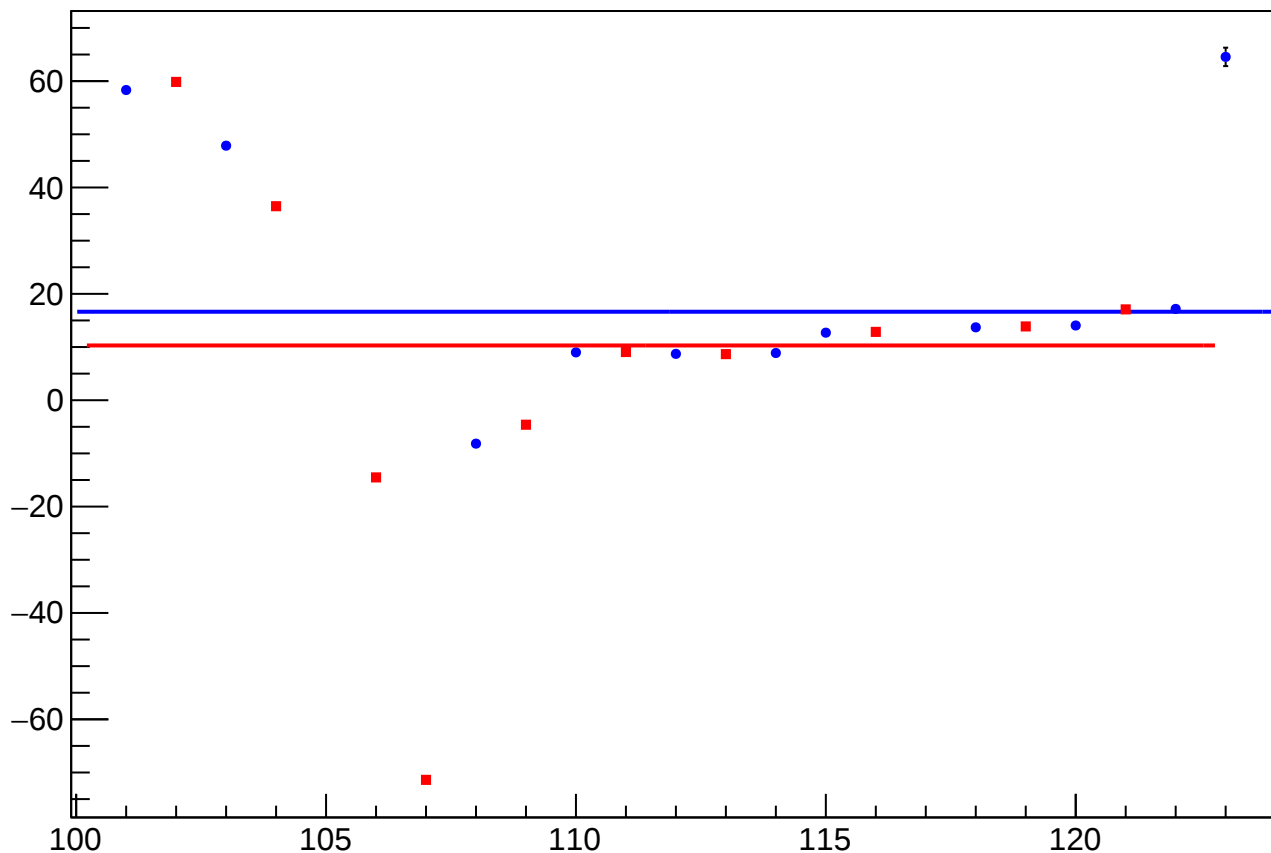
Right: -12.150+/-0.520  $\chi^2/\text{NDF}$ : 347.0/20

In: -14.094+/-0.732  $\chi^2/\text{NDF}$ :146.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -12.150+/-0.520  $\chi^2/\text{NDF}$ : 347.0/20

reg\_asym\_atl\_avg\_atr\_avg\_dd\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 16.638+/-0.043  $\chi^2/\text{NDF}$ : 233154.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 10.297+/-0.042  $\chi^2/\text{NDF}$ : 434527.1/9

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

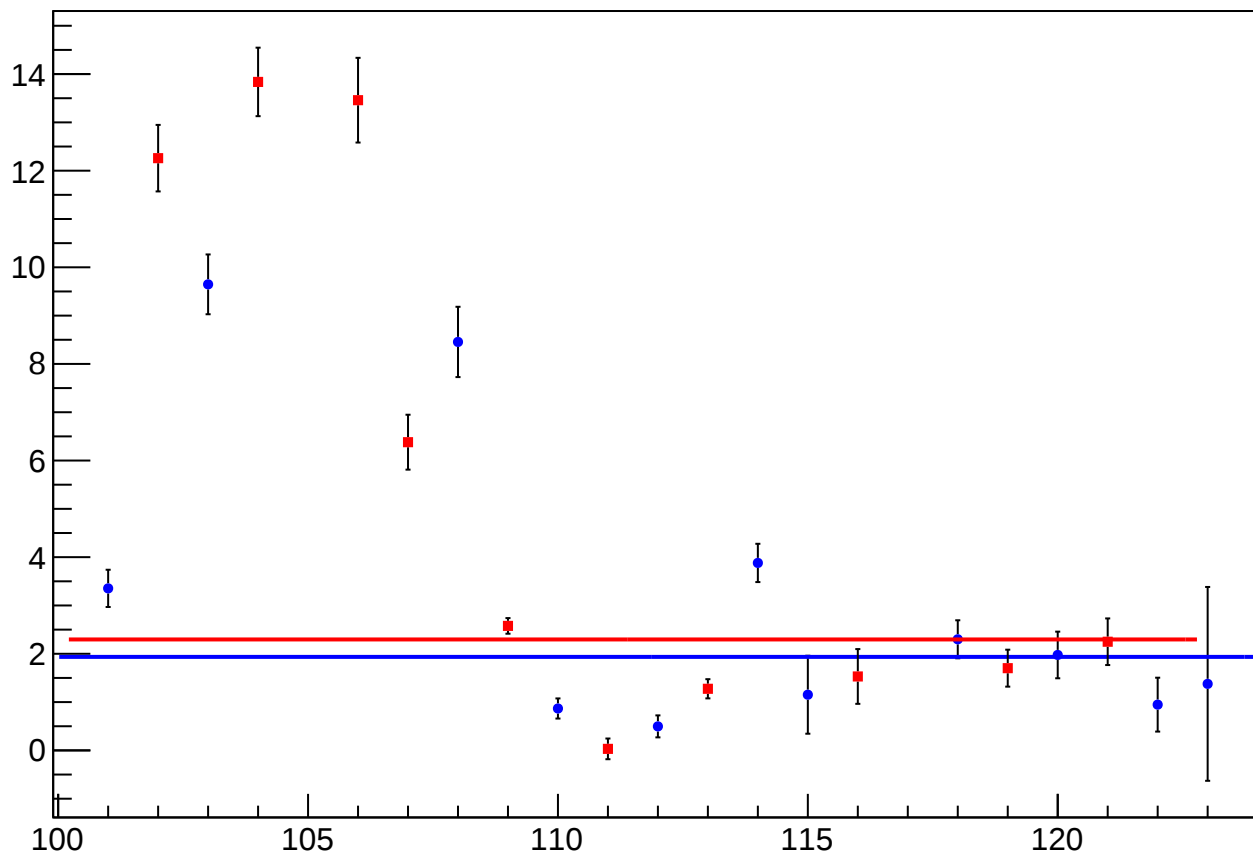
Right: 13.420+/-0.030  $\chi^2/\text{NDF}$ : 678756.8/20

In: 16.638+/-0.043  $\chi^2/\text{NDF}$ : 233154.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 13.420+/-0.030  $\chi^2/\text{NDF}$ : 678756.8/20

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.936+/-0.115  $\chi^2/\text{NDF}$ : 344.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 2.297+/-0.096  $\chi^2/\text{NDF}$ : 833.5/9

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

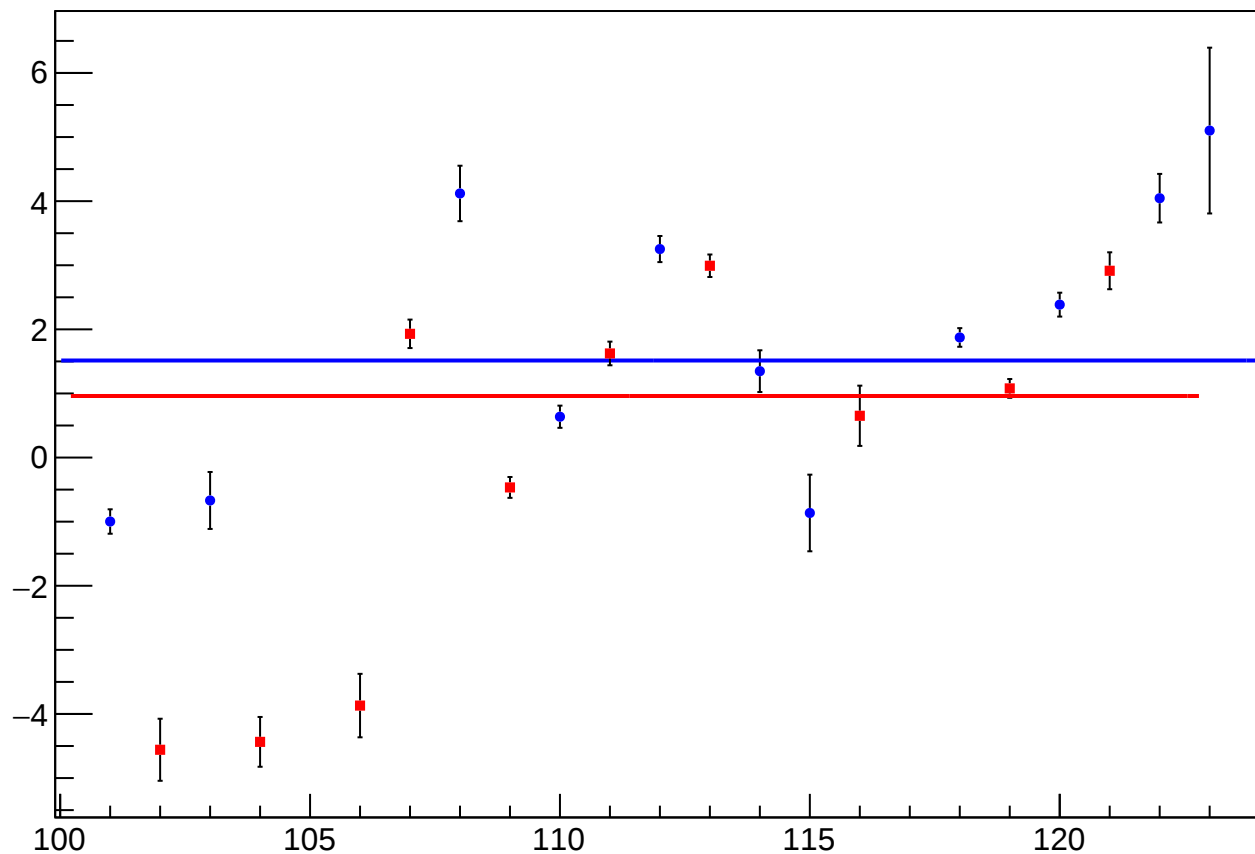
Right: 2.148+/-0.074  $\chi^2/\text{NDF}$ : 1183.7/20

In: 1.936+/-0.115  $\chi^2/\text{NDF}$ : 344.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 2.148+/-0.074  $\chi^2/\text{NDF}$ : 1183.7/20

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.514+/-0.072  $\chi^2/\text{NDF}$ : 429.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.960+/-0.071  $\chi^2/\text{NDF}$ : 708.1/9

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

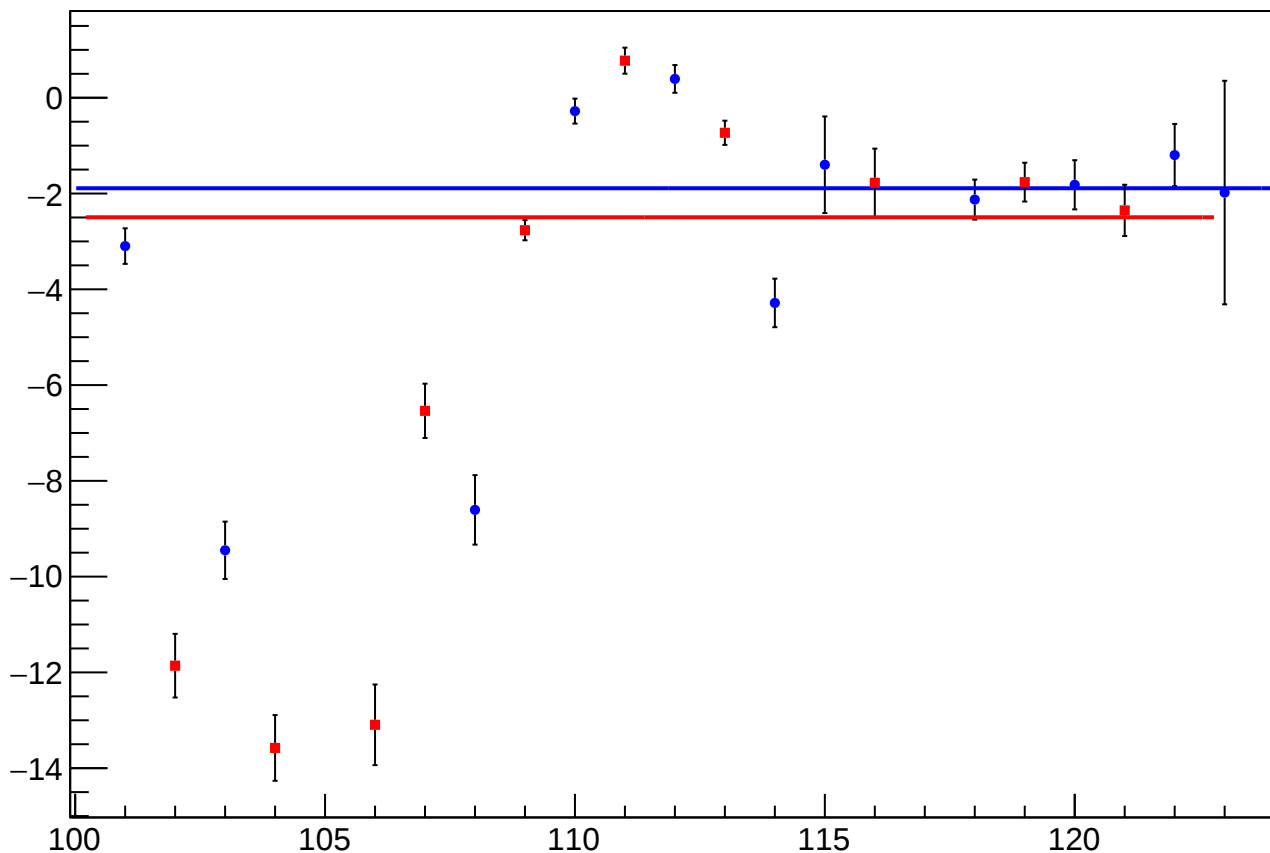
Right: 1.232+/-0.051  $\chi^2/\text{NDF}$ : 1167.2/20

In: 1.514+/-0.072  $\chi^2/\text{NDF}$ : 429.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.232+/-0.051  $\chi^2/\text{NDF}$ : 1167.2/20

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.890 \pm 0.134$   $\chi^2/\text{NDF}$ : 380.2/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.496 \pm 0.118$   $\chi^2/\text{NDF}$ : 868.1/9

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

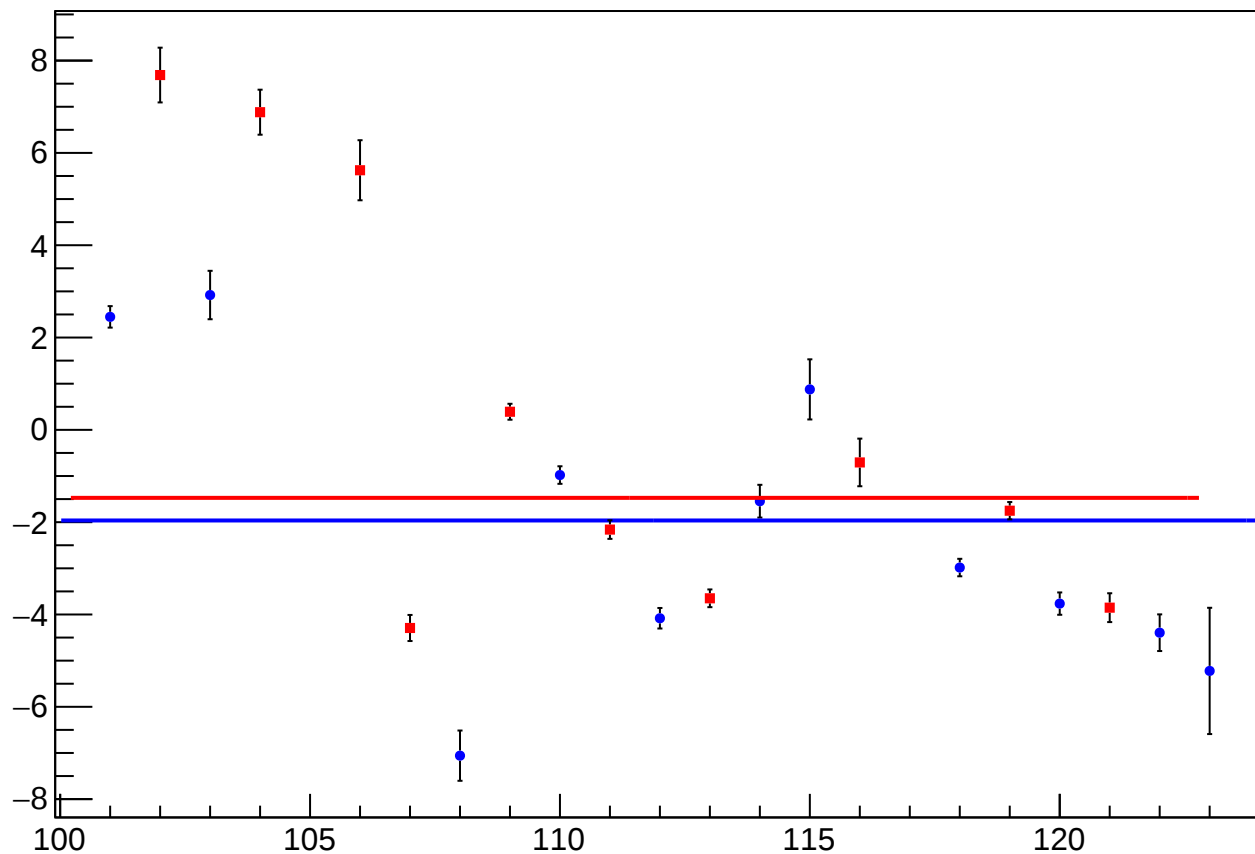
Right:  $-2.233 \pm 0.088$   $\chi^2/\text{NDF}$ : 1259.8/20

In:  $-1.890 \pm 0.134$   $\chi^2/\text{NDF}$ : 380.2/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.233 \pm 0.088$   $\chi^2/\text{NDF}$ : 1259.8/20

reg\_asym\_bcm\_an\_ds3\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-1.963 \pm 0.086$   $\chi^2/\text{NDF}$ : 798.7/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.473 \pm 0.082$   $\chi^2/\text{NDF}$ : 1070.1/9

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

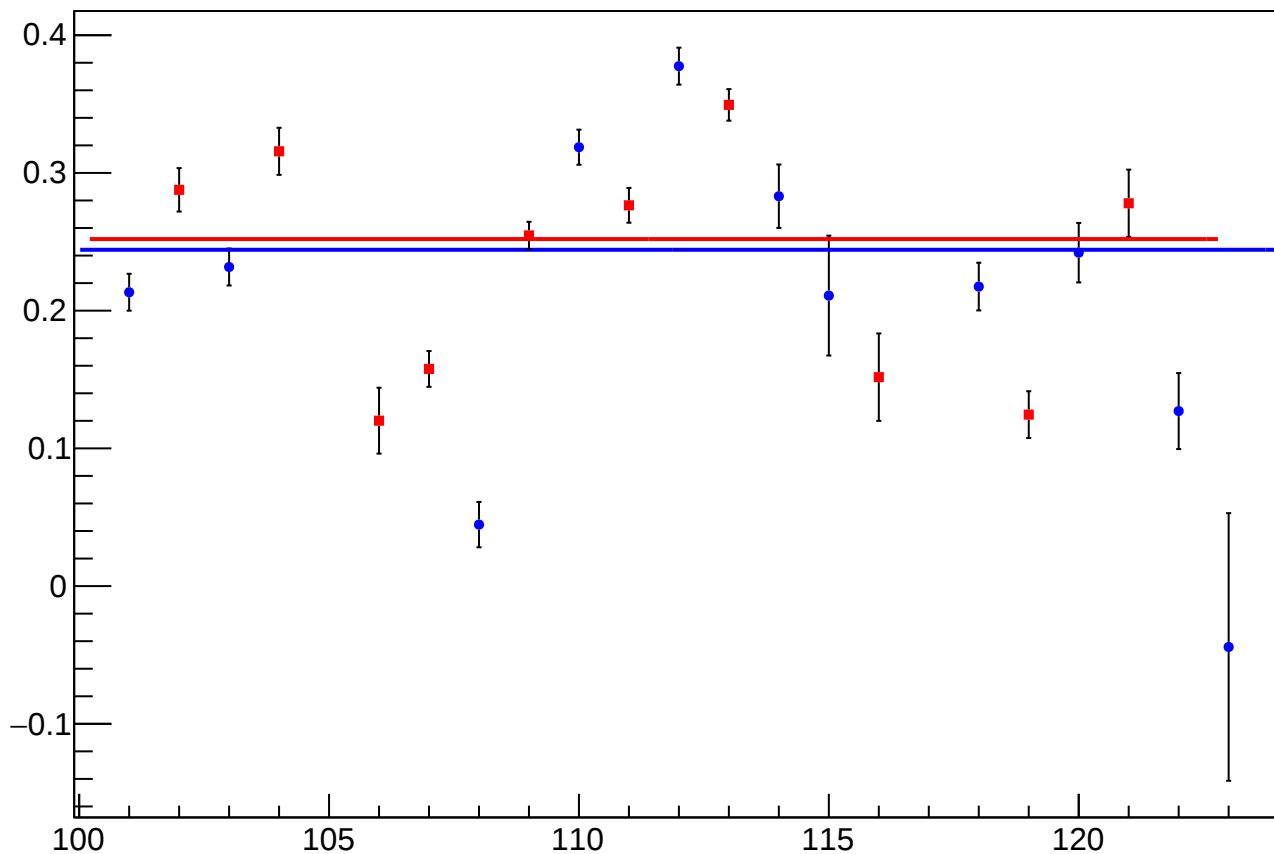
Right:  $-1.706 \pm 0.059$   $\chi^2/\text{NDF}$ : 1885.9/20

In:  $-1.963 \pm 0.086$   $\chi^2/\text{NDF}$ : 798.7/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.706 \pm 0.059$   $\chi^2/\text{NDF}$ : 1885.9/20

reg\_asym\_bcm\_an\_ds3\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.244+/-0.005  $\chi^2/\text{NDF}$ : 318.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.252+/-0.005  $\chi^2/\text{NDF}$ : 245.6/9

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

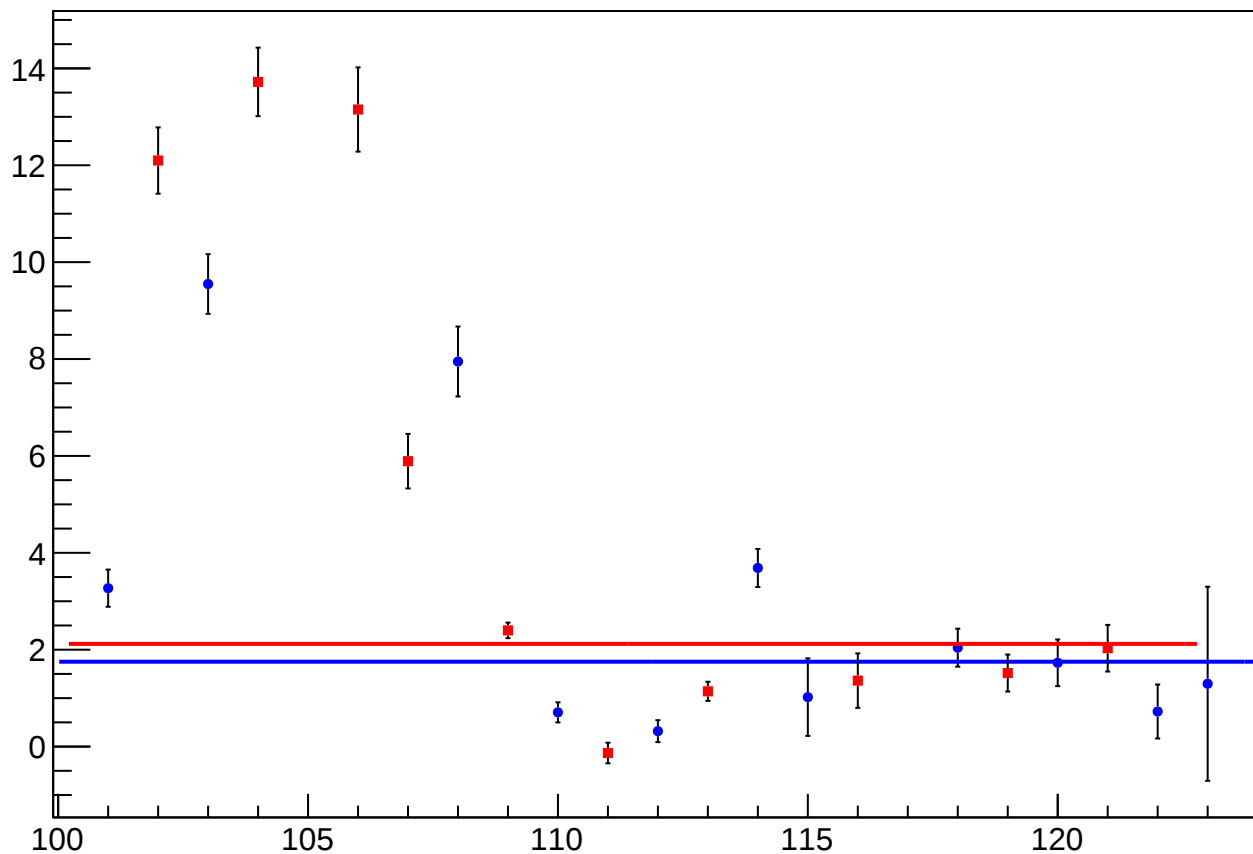
Right: 0.249+/-0.004  $\chi^2/\text{NDF}$ : 565.3/20

In: 0.244+/-0.005  $\chi^2/\text{NDF}$ : 318.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.249+/-0.004  $\chi^2/\text{NDF}$ : 565.3/20

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.752 $\pm$ 0.114  $\chi^2$ /NDF: 344.2/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.120 $\pm$ 0.096  $\chi^2$ /NDF: 832.1/9

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

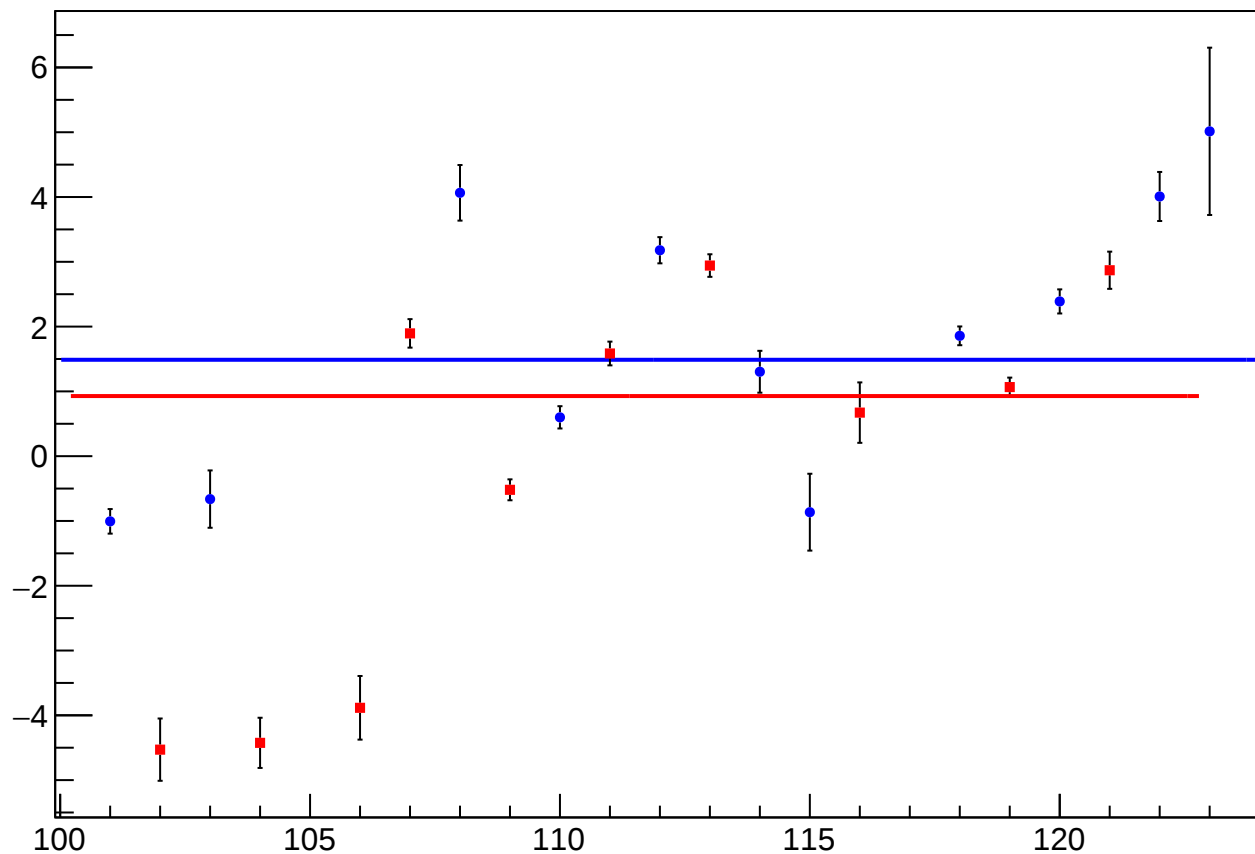
Right: 1.969 $\pm$ 0.073  $\chi^2$ /NDF: 1182.3/20

In: 1.752 $\pm$ 0.114  $\chi^2$ /NDF:344.2/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.969 $\pm$ 0.073  $\chi^2$ /NDF: 1182.3/20

reg\_asym\_bcm\_an\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.488+/-0.072  $\chi^2/\text{NDF}$ : 426.9/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.928+/-0.071  $\chi^2/\text{NDF}$ : 709.0/9

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

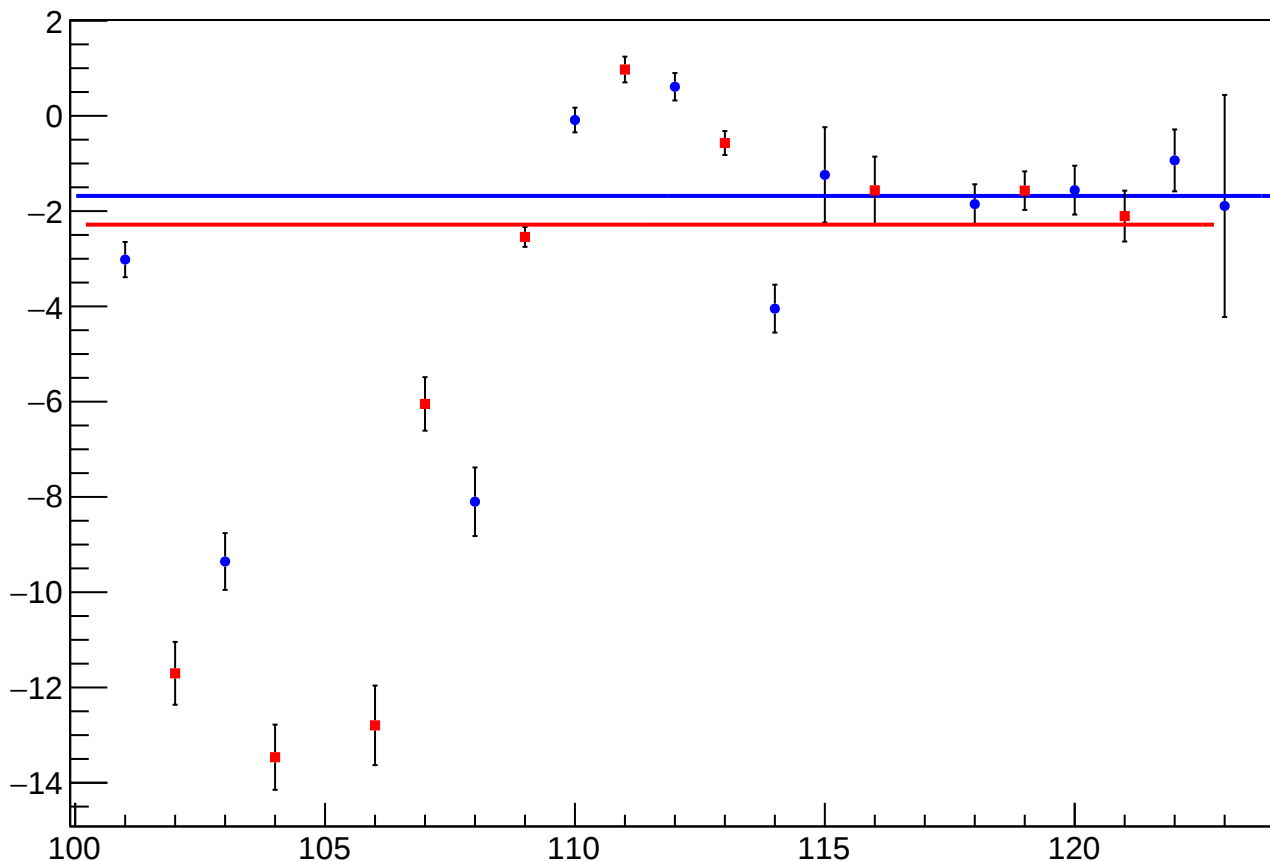
Right: 1.203+/-0.050  $\chi^2/\text{NDF}$ : 1166.8/20

In: 1.488+/-0.072  $\chi^2/\text{NDF}$ : 426.9/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.203+/-0.050  $\chi^2/\text{NDF}$ : 1166.8/20

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In:  $-1.681 \pm 0.133$   $\chi^2/\text{NDF}$ : 383.6/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-2.284 \pm 0.117$   $\chi^2/\text{NDF}$ : 871.9/9

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

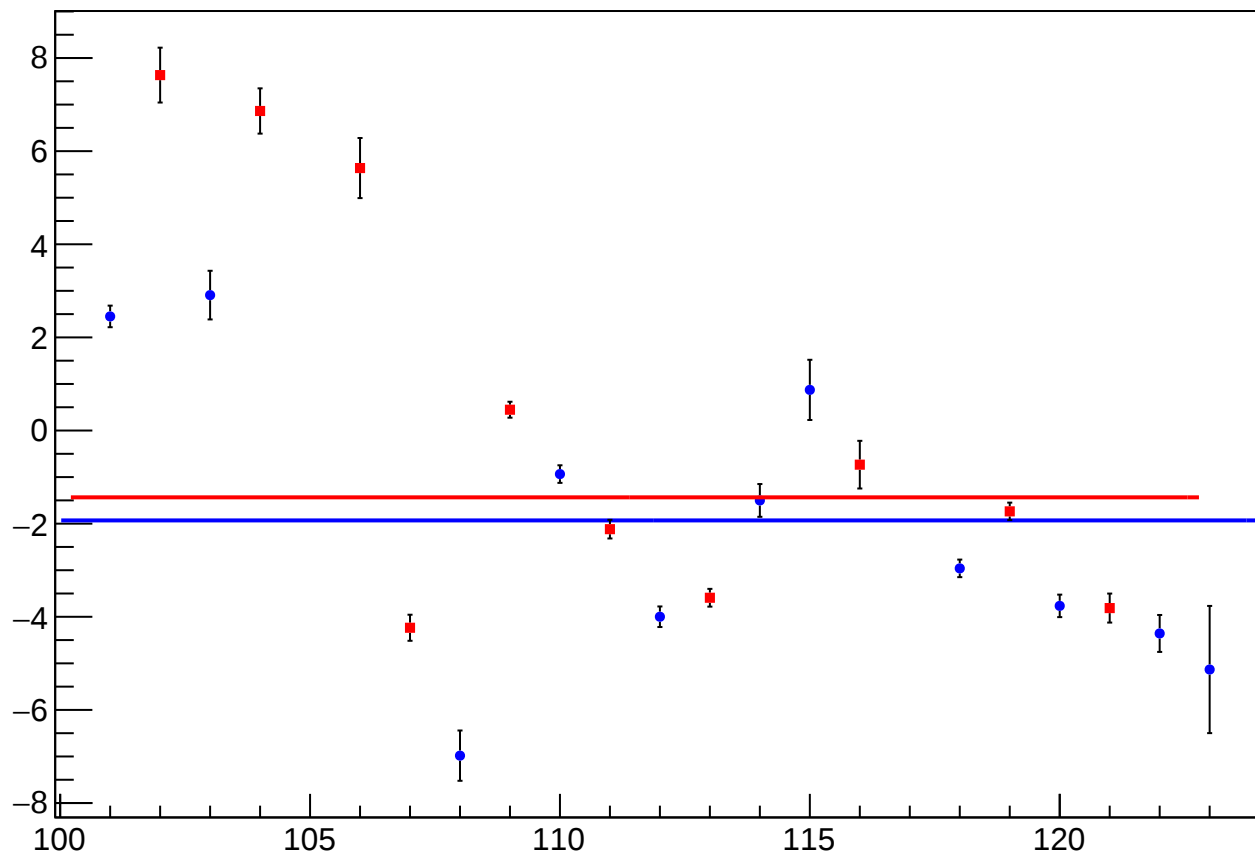
Right:  $-2.023 \pm 0.088$   $\chi^2/\text{NDF}$ : 1267.0/20

In:  $-1.681 \pm 0.133$   $\chi^2/\text{NDF}$ : 383.6/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-2.023 \pm 0.088$   $\chi^2/\text{NDF}$ : 1267.0/20

reg\_asym\_bcm\_an\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-1.930 \pm 0.085$   $\chi^2/\text{NDF}$ : 796.8/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.435 \pm 0.081$   $\chi^2/\text{NDF}$ : 1071.7/9

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

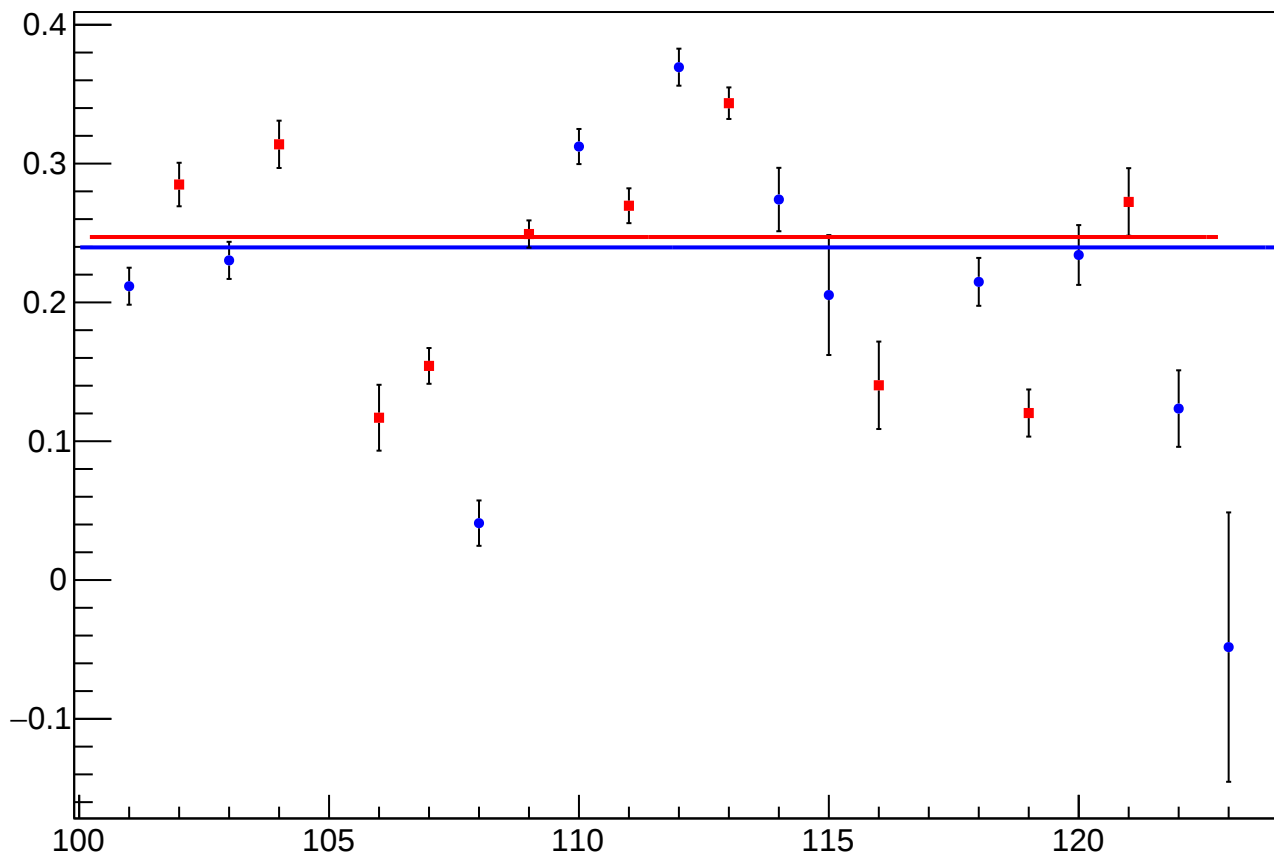
Right:  $-1.670 \pm 0.059$   $\chi^2/\text{NDF}$ : 1886.1/20

In:  $-1.930 \pm 0.085$   $\chi^2/\text{NDF}$ : 796.8/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.670 \pm 0.059$   $\chi^2/\text{NDF}$ : 1886.1/20

reg\_asym\_bcm\_an\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.240+/-0.005  $\chi^2/\text{NDF}$ : 312.2/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.247+/-0.005  $\chi^2/\text{NDF}$ : 246.8/9

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

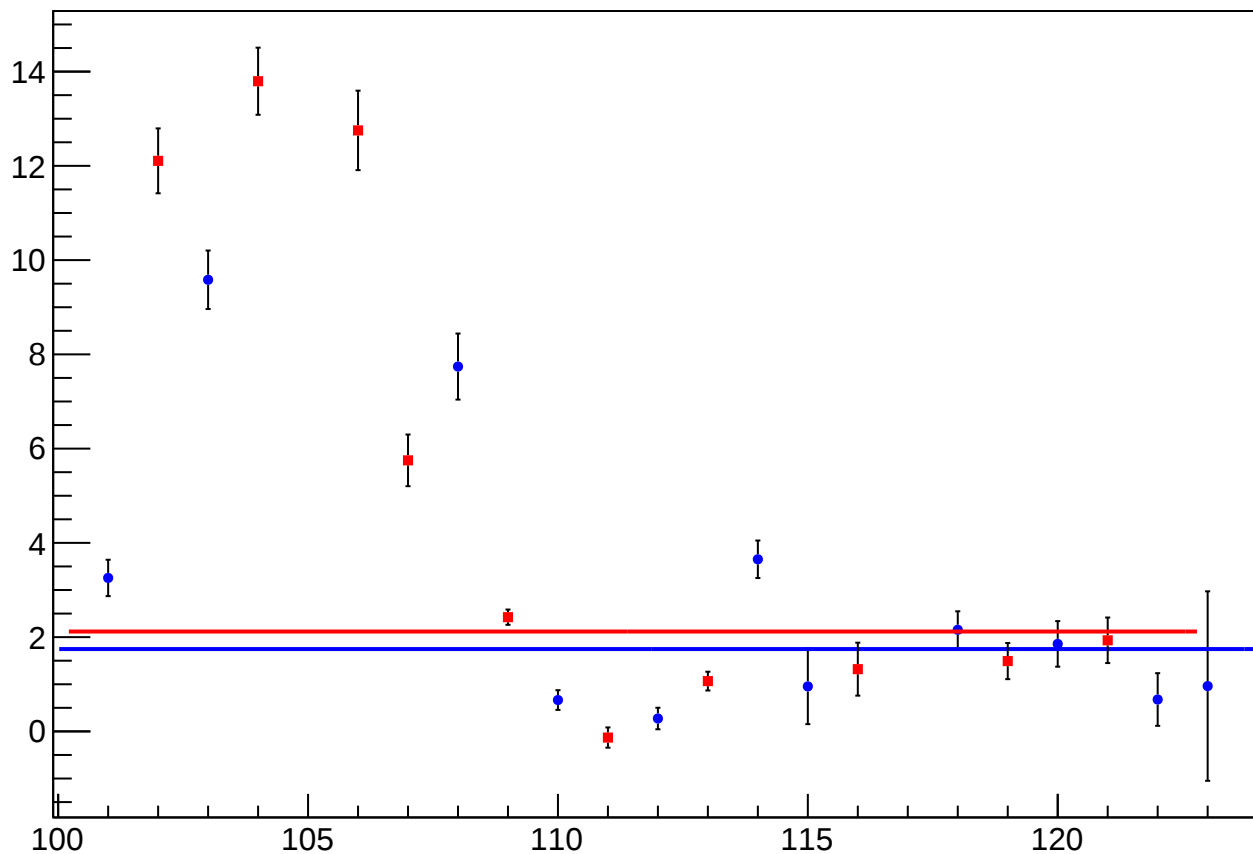
Right: 0.244+/-0.003  $\chi^2/\text{NDF}$ : 560.1/20

In: 0.240+/-0.005  $\chi^2/\text{NDF}$ : 312.2/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.244+/-0.003  $\chi^2/\text{NDF}$ : 560.1/20

reg\_asym\_bcm\_an\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.747 $\pm$ 0.115  $\chi^2$ /NDF: 345.1/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 2.119 $\pm$ 0.096  $\chi^2$ /NDF: 828.1/9

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

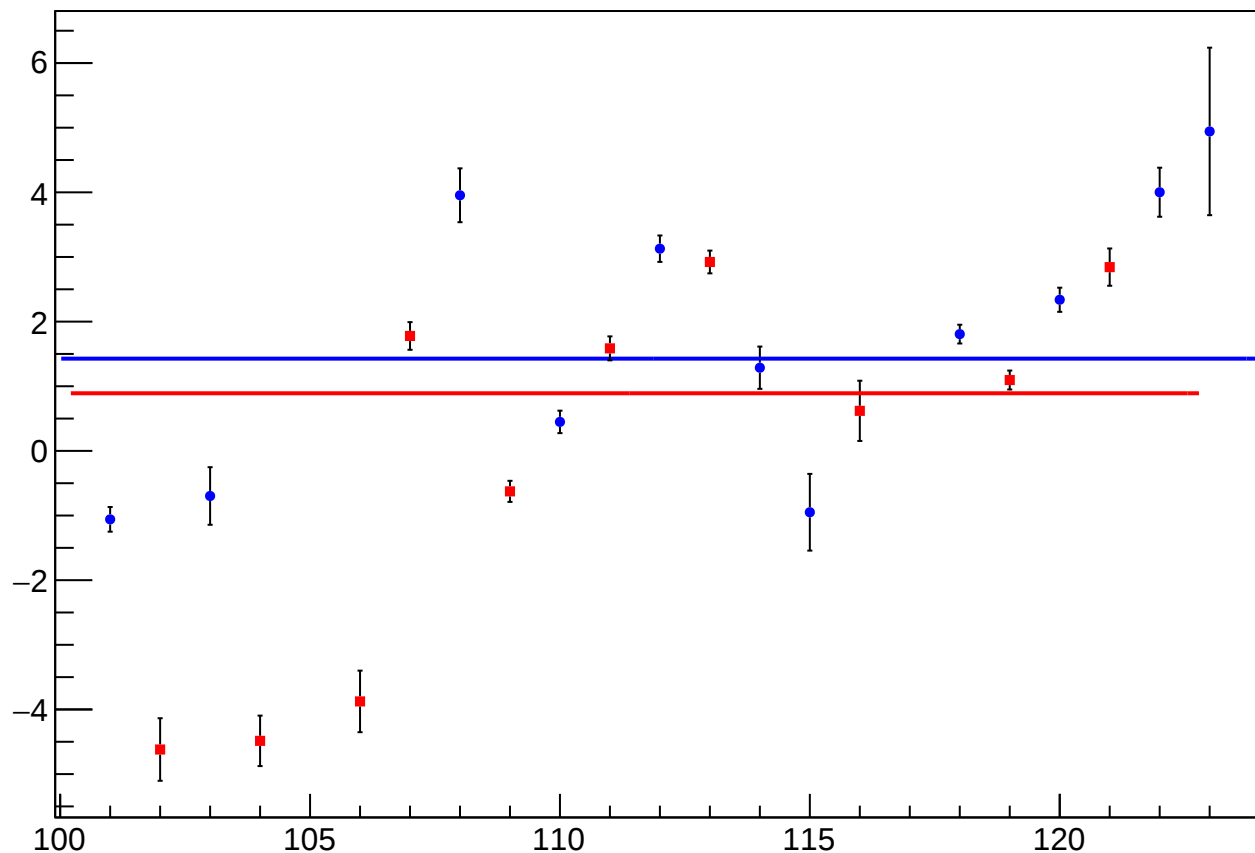
Right: 1.966 $\pm$ 0.074  $\chi^2$ /NDF: 1179.3/20

In: 1.747 $\pm$ 0.115  $\chi^2$ /NDF:345.1/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 1.966 $\pm$ 0.074  $\chi^2$ /NDF: 1179.3/20

reg\_asym\_bcm\_an\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.427+/-0.072  $\chi^2/\text{NDF}$ : 430.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.891+/-0.071  $\chi^2/\text{NDF}$ : 718.9/9

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

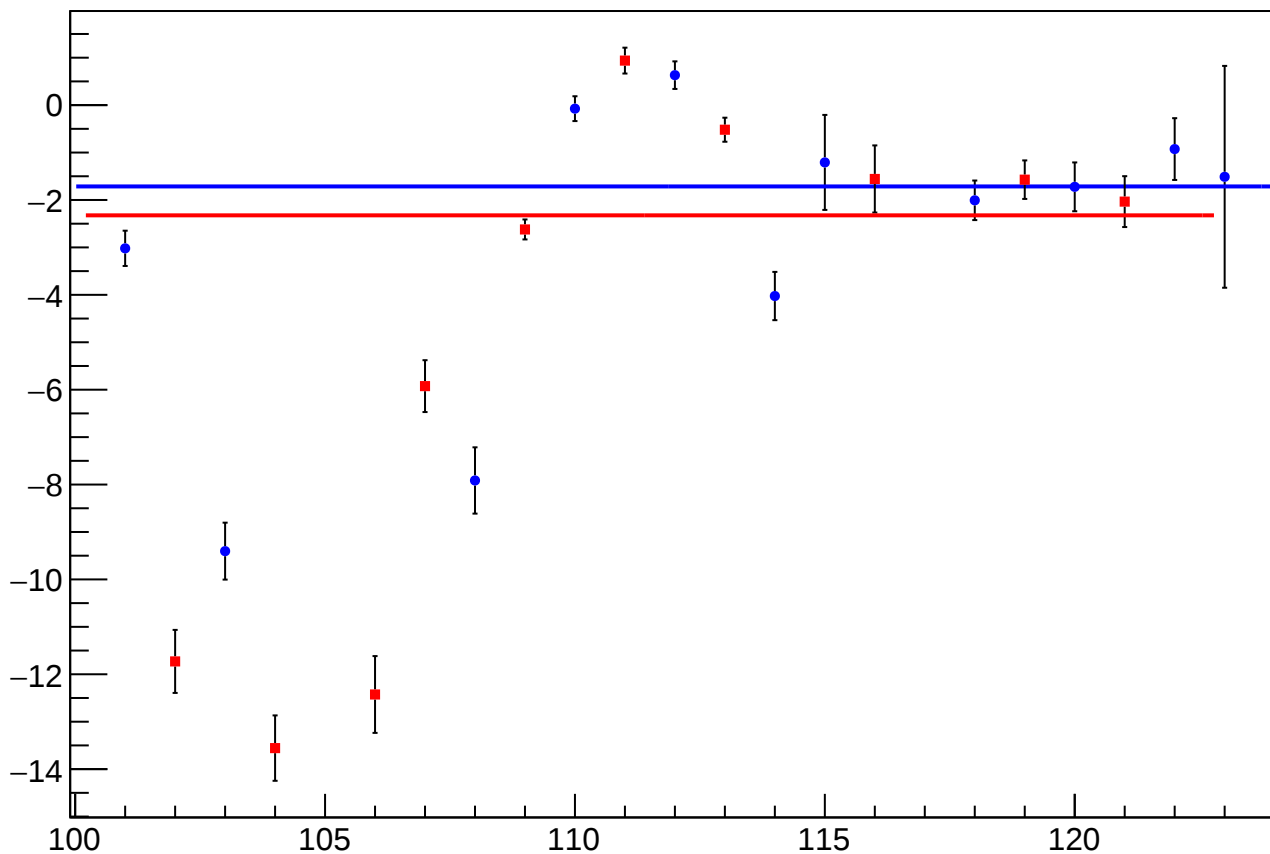
Right: 1.154+/-0.051  $\chi^2/\text{NDF}$ : 1177.4/20

In: 1.427+/-0.072  $\chi^2/\text{NDF}$ : 430.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.154+/-0.051  $\chi^2/\text{NDF}$ : 1177.4/20

reg\_asym\_bcm\_an\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.714+/-0.134  $\chi^2/\text{NDF}$ : 382.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.324+/-0.118  $\chi^2/\text{NDF}$ : 865.8/9

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

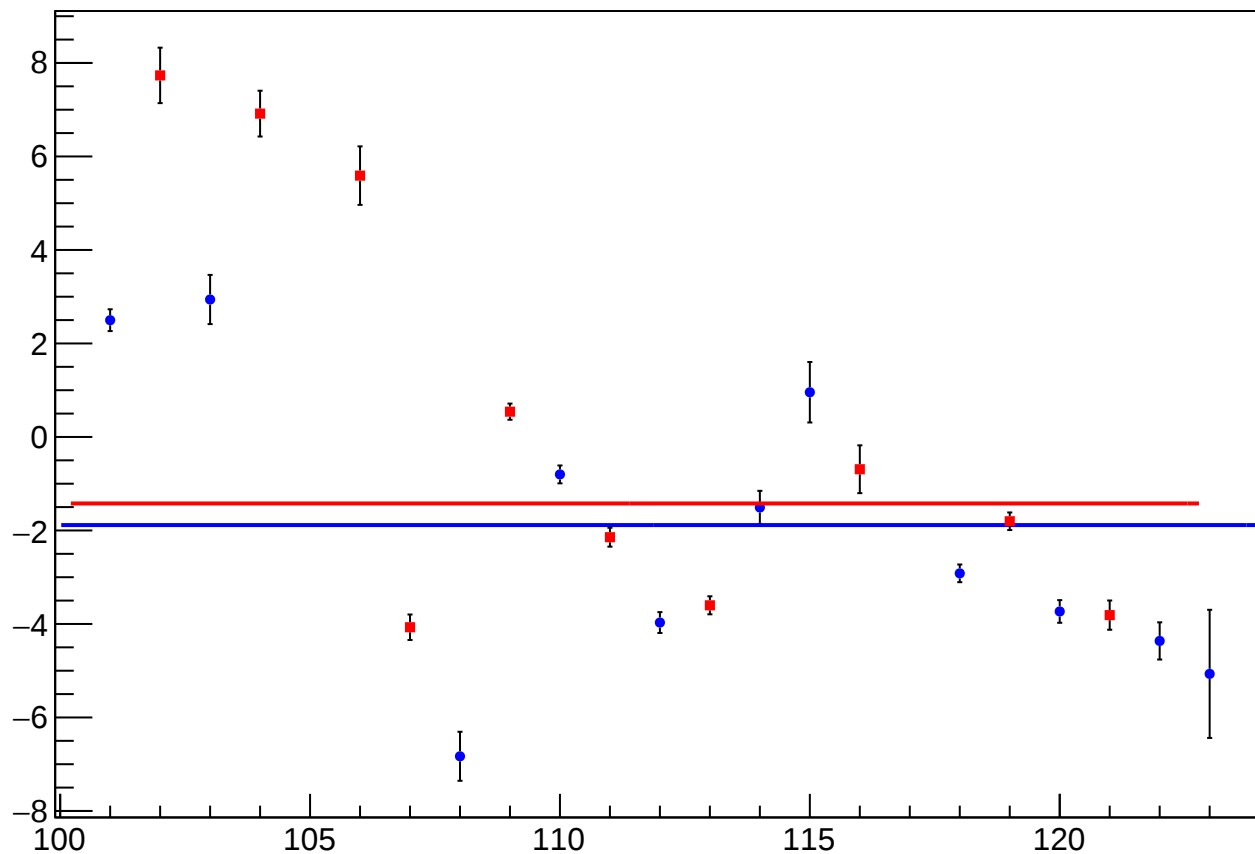
Right: -2.060+/-0.088  $\chi^2/\text{NDF}$ : 1259.8/20

In: -1.714+/-0.134  $\chi^2/\text{NDF}$ : 382.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -2.060+/-0.088  $\chi^2/\text{NDF}$ : 1259.8/20

reg\_asym\_bcm\_an\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.885+/-0.086  $\chi^2/\text{NDF}$ : 798.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -1.422+/-0.082  $\chi^2/\text{NDF}$ : 1082.5/9

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

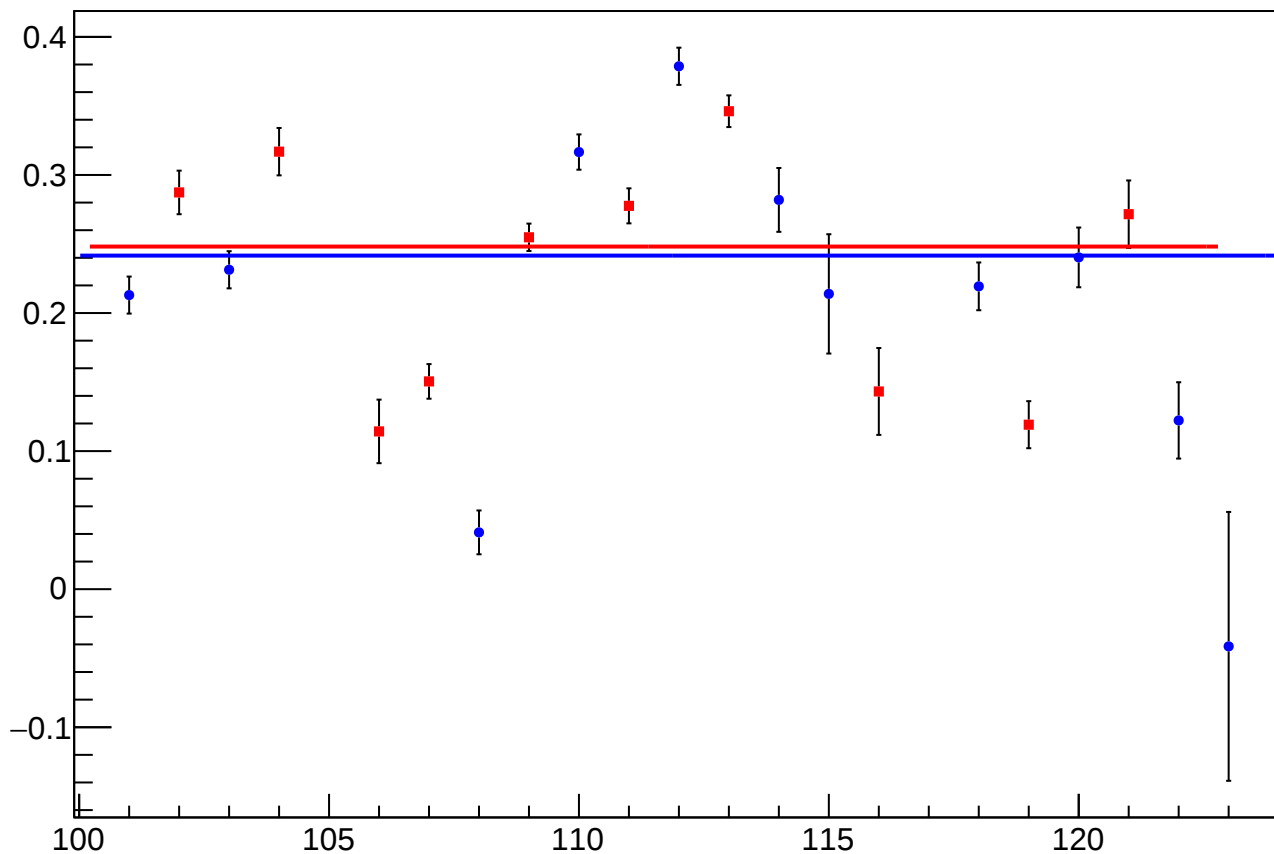
Right: -1.641+/-0.059  $\chi^2/\text{NDF}$ : 1896.0/20

In: -1.885+/-0.086  $\chi^2/\text{NDF}$ : 798.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.641+/-0.059  $\chi^2/\text{NDF}$ : 1896.0/20

reg\_asym\_bcm\_an\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.242 $\pm$ 0.005  $\chi^2$ /NDF: 334.9/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

Right Out: 0.248 $\pm$ 0.005  $\chi^2$ /NDF: 265.0/9

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

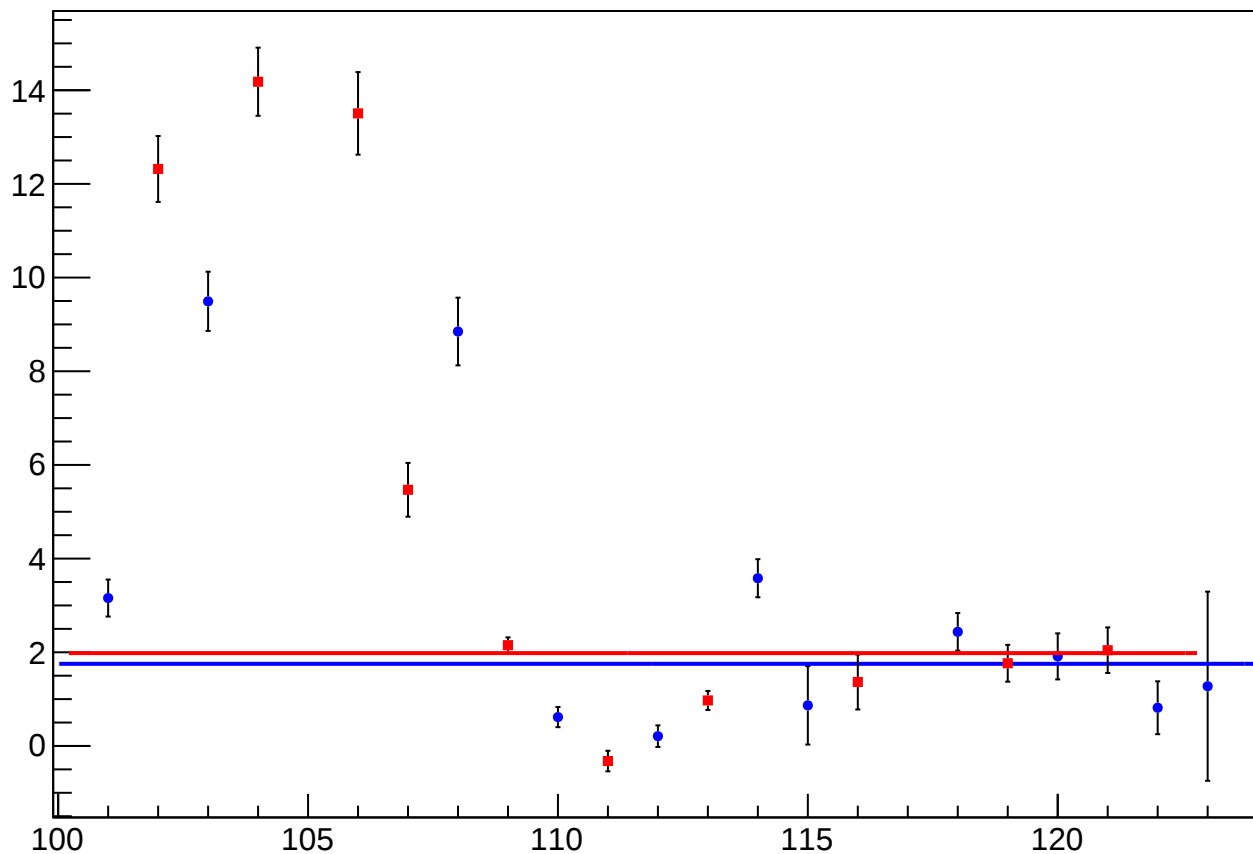
Right: 0.245 $\pm$ 0.003  $\chi^2$ /NDF: 600.7/20

In: 0.242 $\pm$ 0.005  $\chi^2$ /NDF:334.9/10

Out: 0.000 $\pm$ 0.000  $\chi^2$ /NDF:0.0/0

All: 0.245 $\pm$ 0.003  $\chi^2$ /NDF: 600.7/20

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 1.754+/-0.118  $\chi^2/\text{NDF}$ : 358.7/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 1.982+/-0.099  $\chi^2/\text{NDF}$ : 842.5/9

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

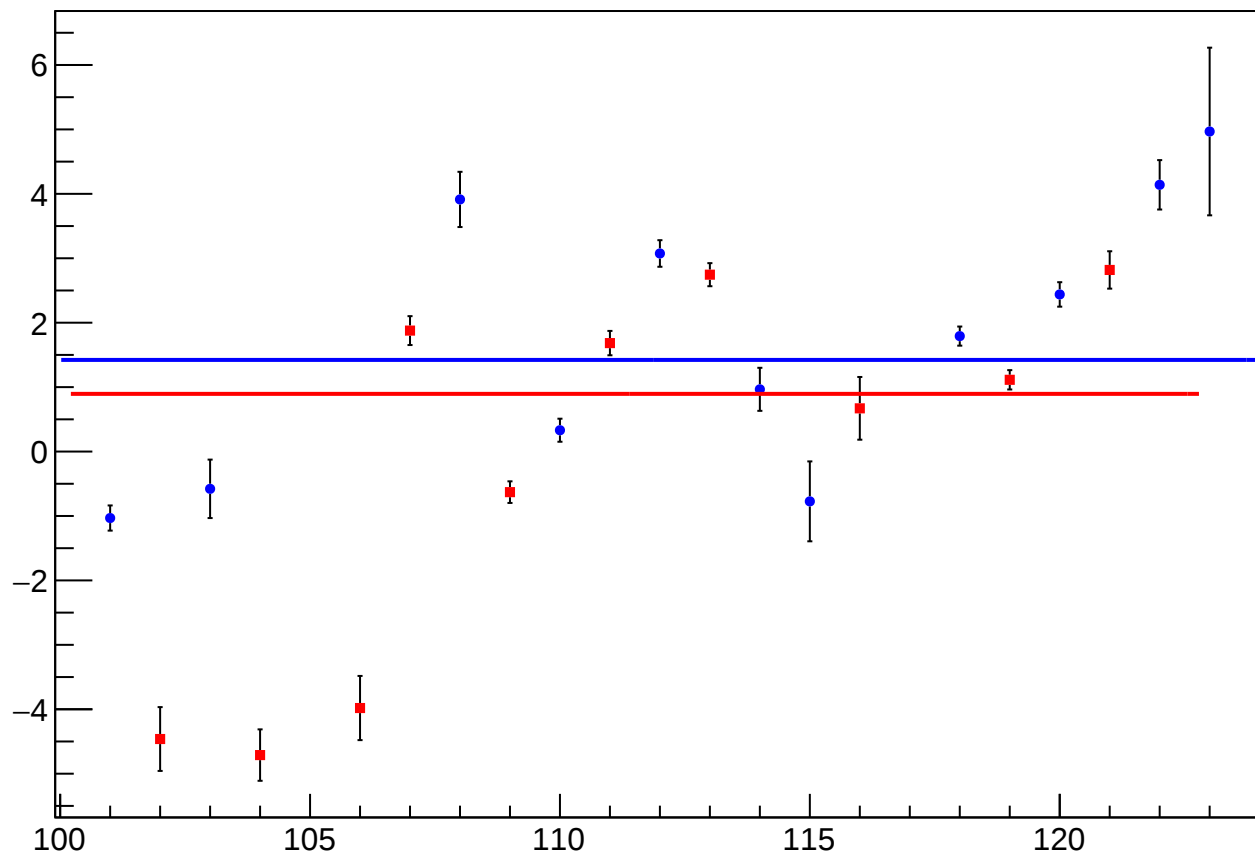
Right: 1.888+/-0.076  $\chi^2/\text{NDF}$ : 1203.4/20

In: 1.754+/-0.118  $\chi^2/\text{NDF}$ : 358.7/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.888+/-0.076  $\chi^2/\text{NDF}$ : 1203.4/20

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.422+/-0.074  $\chi^2/\text{NDF}$ : 419.3/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.895+/-0.073  $\chi^2/\text{NDF}$ : 682.3/9

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

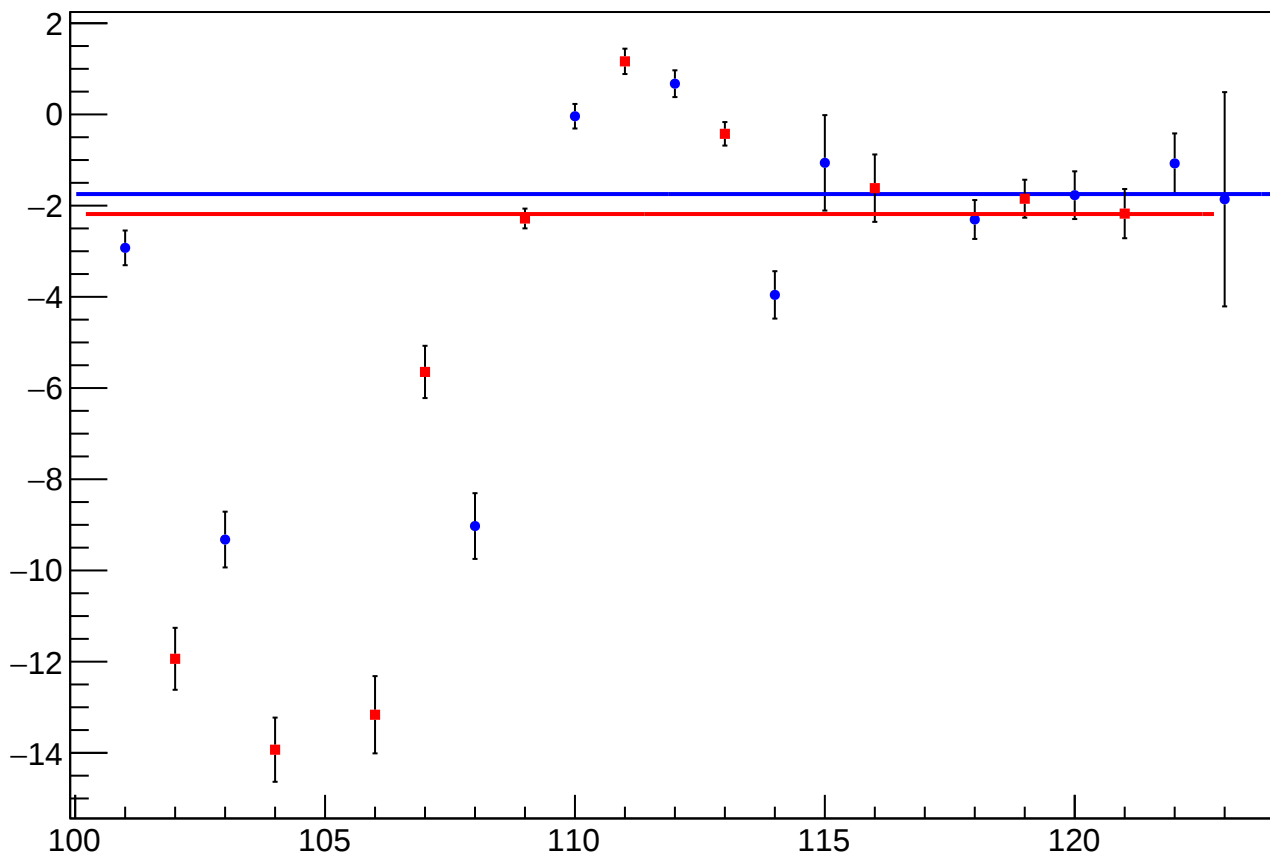
Right: 1.155+/-0.052  $\chi^2/\text{NDF}$ : 1127.4/20

In: 1.422+/-0.074  $\chi^2/\text{NDF}$ : 419.3/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.155+/-0.052  $\chi^2/\text{NDF}$ : 1127.4/20

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -1.746+/-0.137  $\chi^2/\text{NDF}$ : 394.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: -2.184+/-0.120  $\chi^2/\text{NDF}$ : 881.9/9

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

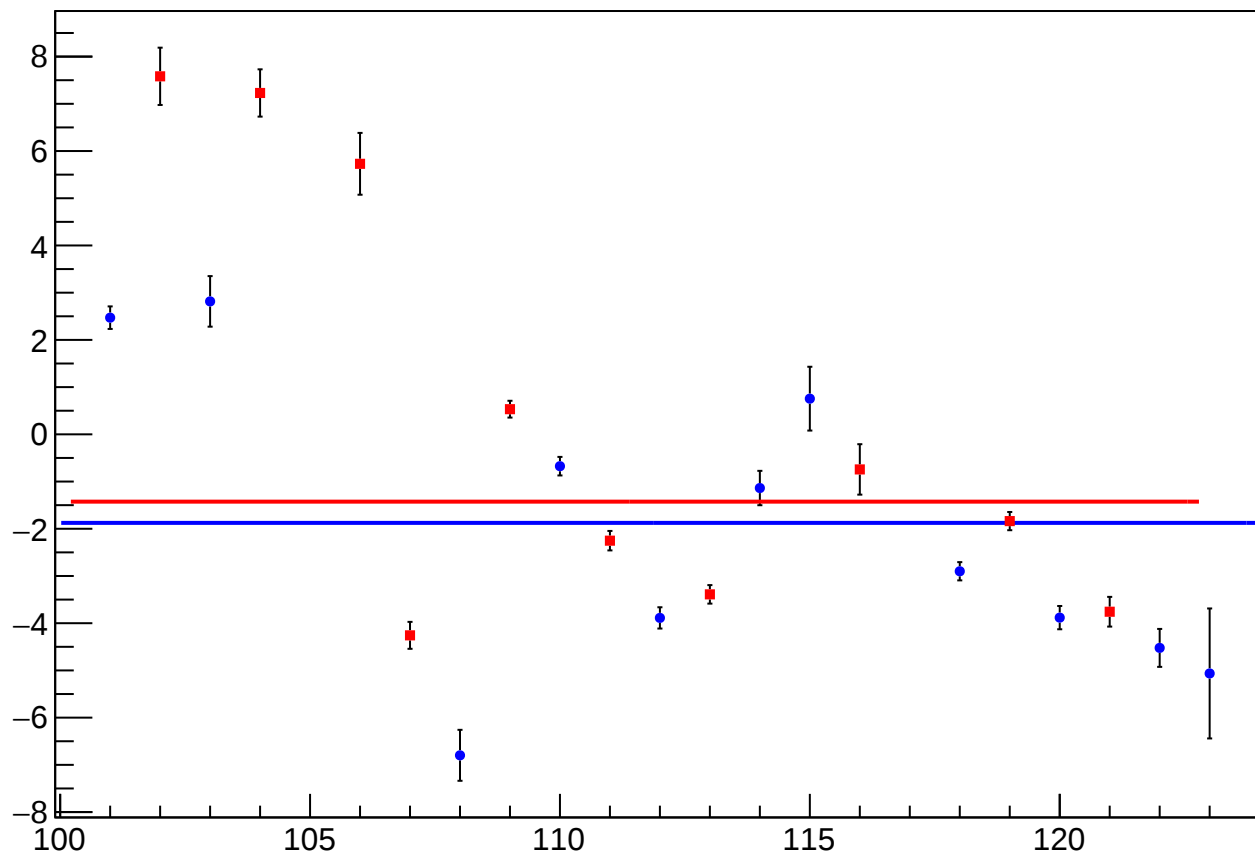
Right: -1.994+/-0.091  $\chi^2/\text{NDF}$ : 1282.2/20

In: -1.746+/-0.137  $\chi^2/\text{NDF}$ : 394.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: -1.994+/-0.091  $\chi^2/\text{NDF}$ : 1282.2/20

reg\_asym\_bcm\_dg\_ds\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In:  $-1.875 \pm 0.088$   $\chi^2/\text{NDF}$ : 770.8/10

Left Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

Right Out:  $-1.425 \pm 0.084$   $\chi^2/\text{NDF}$ : 1035.6/9

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

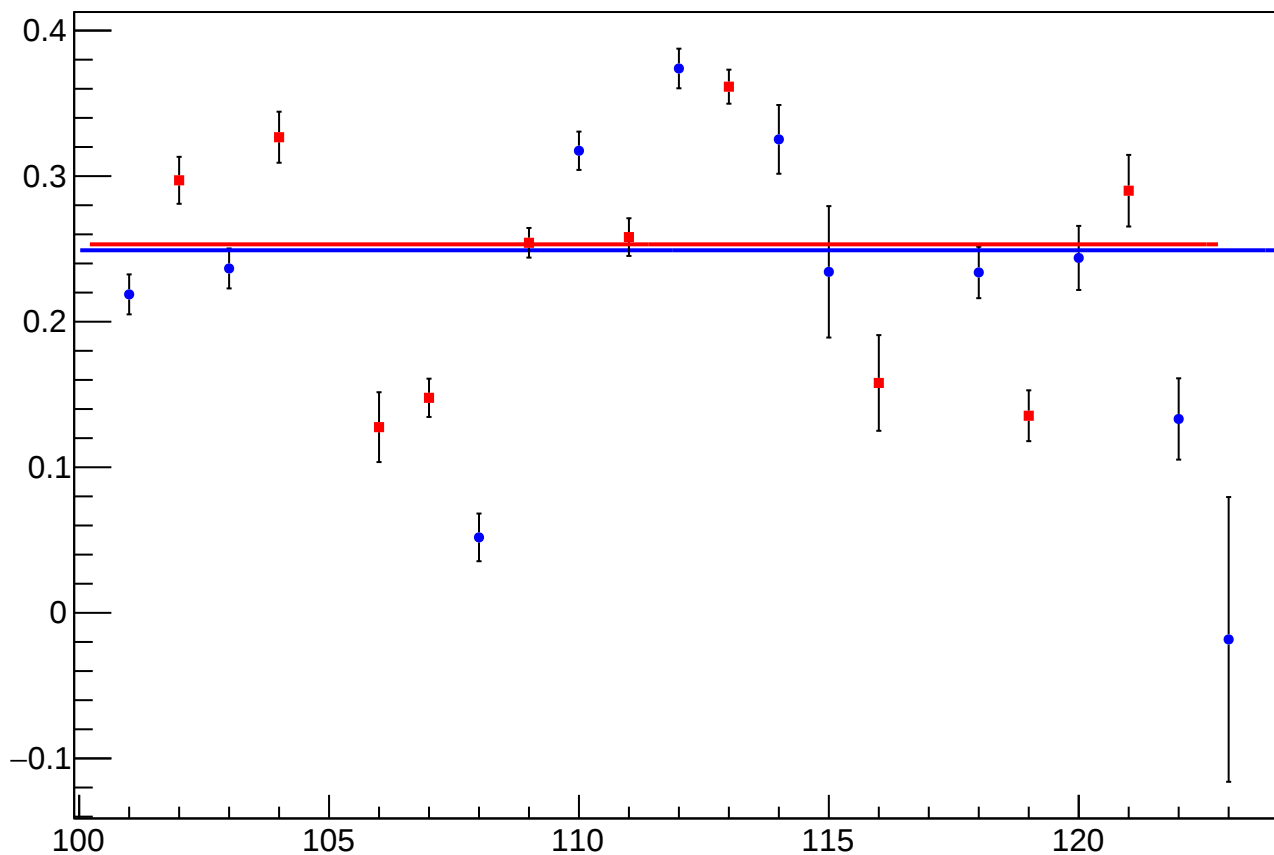
Right:  $-1.639 \pm 0.061$   $\chi^2/\text{NDF}$ : 1820.2/20

In:  $-1.875 \pm 0.088$   $\chi^2/\text{NDF}$ : 770.8/10

Out:  $0.000 \pm 0.000$   $\chi^2/\text{NDF}$ : 0.0/0

All:  $-1.639 \pm 0.061$   $\chi^2/\text{NDF}$ : 1820.2/20

reg\_asym\_bcm\_dg\_ds\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.249 $\pm$ 0.005  $\chi^2/\text{NDF}$ : 298.0/10

Left Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.253 $\pm$ 0.005  $\chi^2/\text{NDF}$ : 258.9/9

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

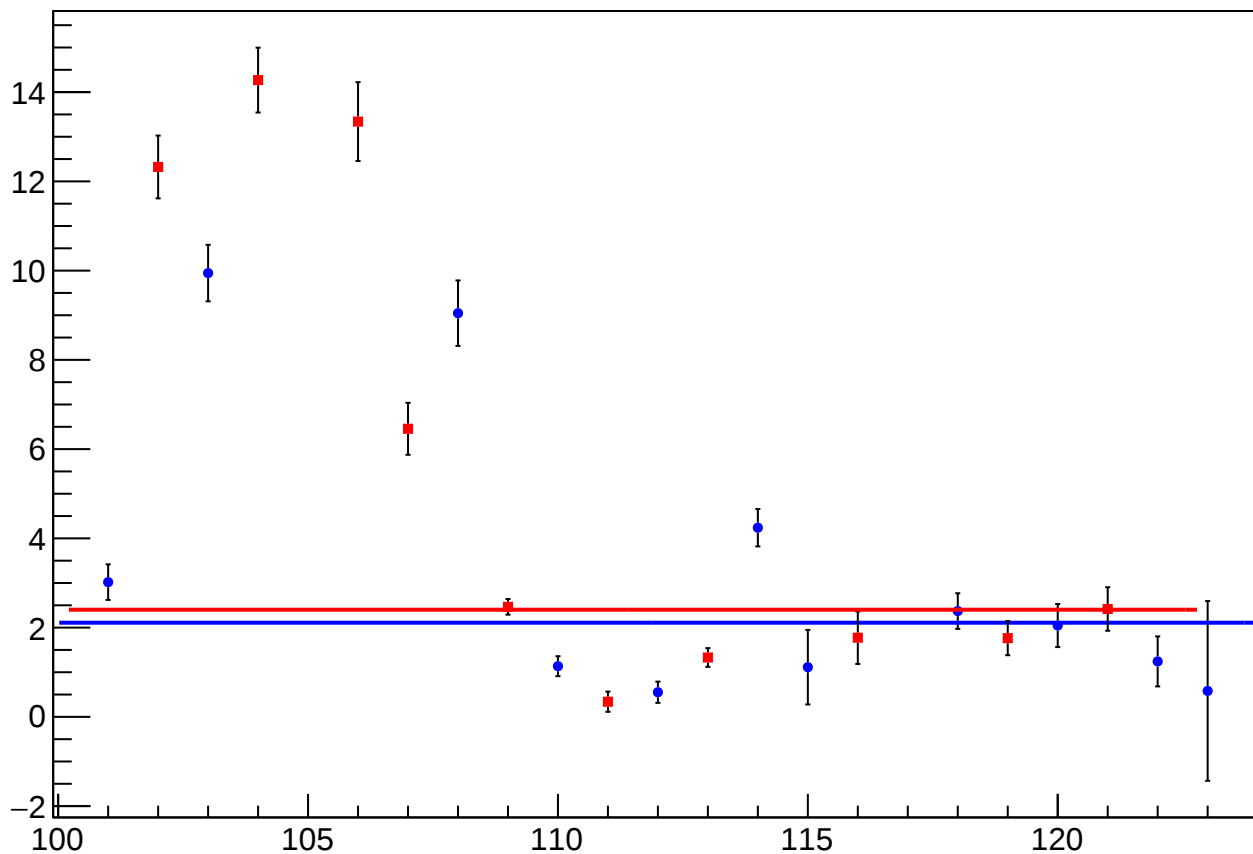
Right: 0.251 $\pm$ 0.004  $\chi^2/\text{NDF}$ : 557.3/20

In: 0.249 $\pm$ 0.005  $\chi^2/\text{NDF}$ : 298.0/10

Out: 0.000 $\pm$ 0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.251 $\pm$ 0.004  $\chi^2/\text{NDF}$ : 557.3/20

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aX\_slope vs Slug, Sign Corrected



Right In: 2.110+/-0.120  $\chi^2/\text{NDF}$ : 340.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: 2.401+/-0.102  $\chi^2/\text{NDF}$ : 780.3/9

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

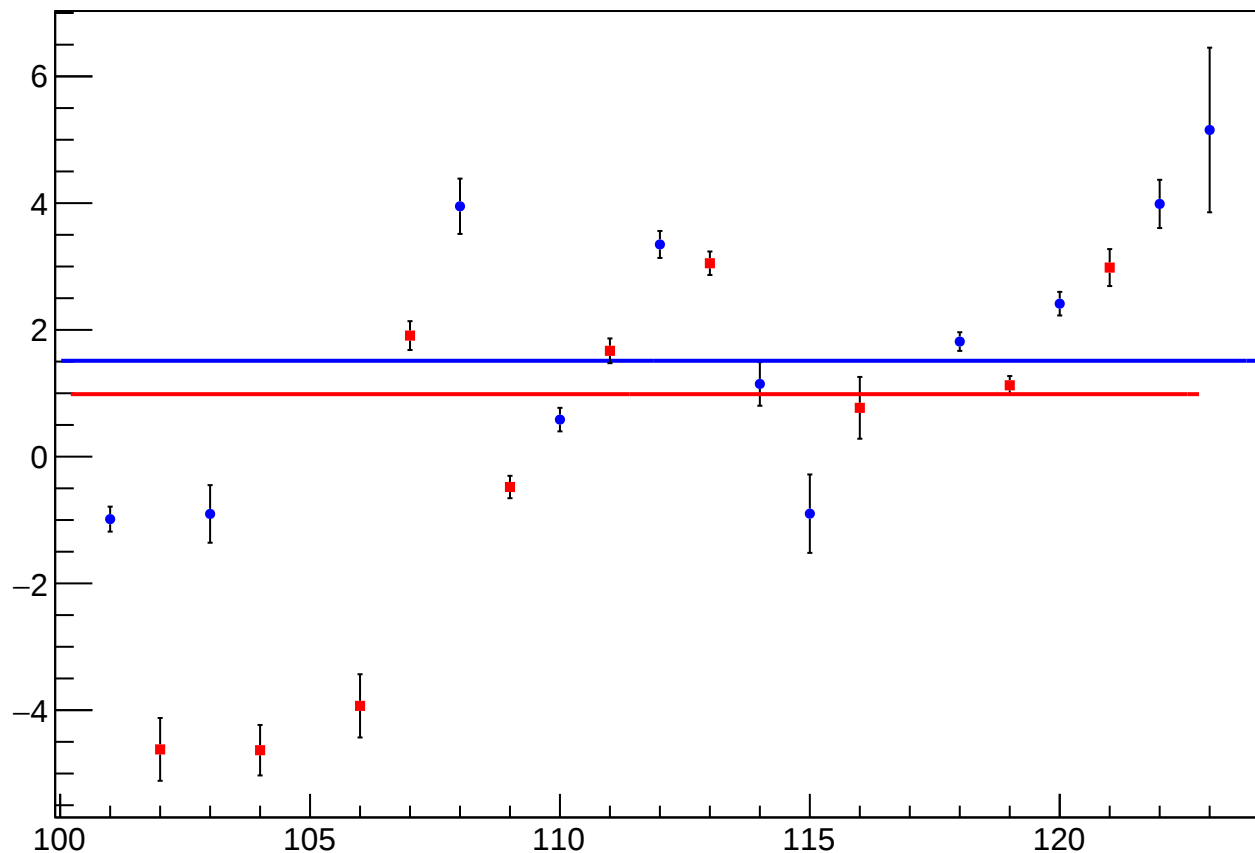
Right: 2.280+/-0.078  $\chi^2/\text{NDF}$ : 1124.1/20

In: 2.110+/-0.120  $\chi^2/\text{NDF}$ :340.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: 2.280+/-0.078  $\chi^2/\text{NDF}$ : 1124.1/20

reg\_asym\_bcm\_dg\_us\_diff\_bpm4aY\_slope vs Slug, Sign Corrected



Right In: 1.513+/-0.074  $\chi^2/\text{NDF}$ : 414.0/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.986+/-0.074  $\chi^2/\text{NDF}$ : 693.7/9

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

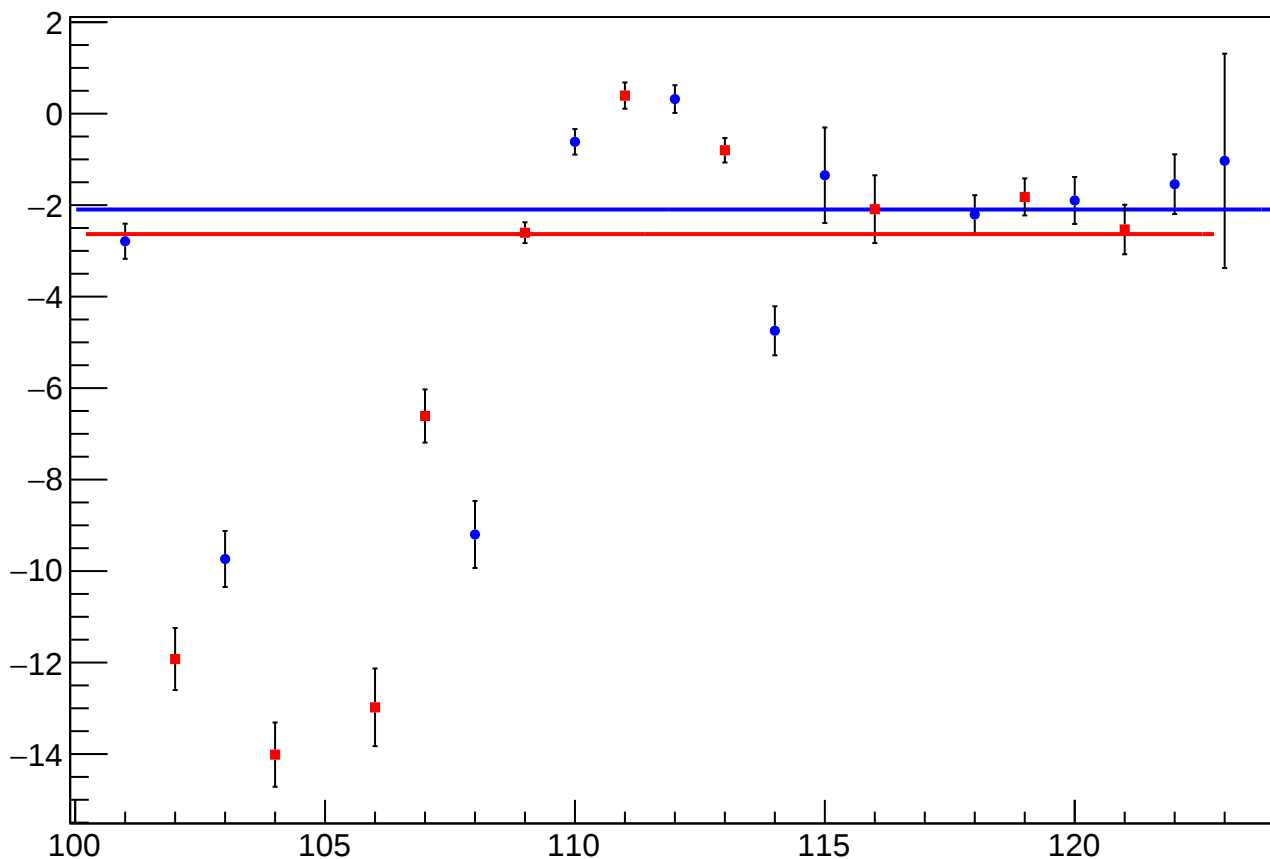
Right: 1.247+/-0.052  $\chi^2/\text{NDF}$ : 1133.0/20

In: 1.513+/-0.074  $\chi^2/\text{NDF}$ : 414.0/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 1.247+/-0.052  $\chi^2/\text{NDF}$ : 1133.0/20

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eX\_slope vs Slug, Sign Corrected



Right In: -2.095+/-0.140  $\chi^2$ /NDF: 371.1/10

Left Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Right Out: -2.633+/-0.124  $\chi^2$ /NDF: 807.1/9

Left In: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

Left: 0.000+/-0.000  $\chi^2$ /NDF: 0.0/0

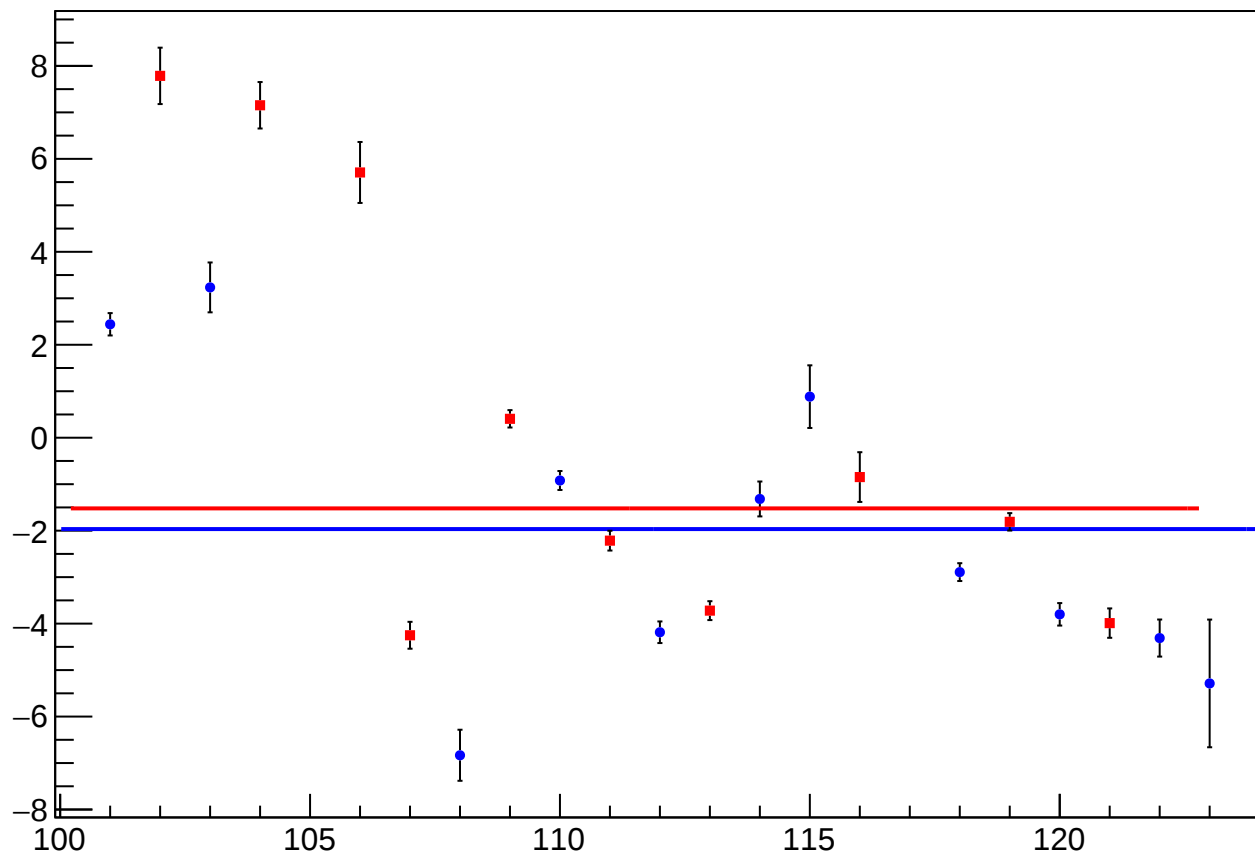
Right: -2.396+/-0.093  $\chi^2$ /NDF: 1186.5/20

In: -2.095+/-0.140  $\chi^2$ /NDF:371.1/10

Out: 0.000+/-0.000  $\chi^2$ /NDF:0.0/0

All: -2.396+/-0.093  $\chi^2$ /NDF: 1186.5/20

reg\_asym\_bcm\_dg\_us\_diff\_bpm4eY\_slope vs Slug, Sign Corrected



Right In: -1.966+/-0.089  $\chi^2/\text{NDF}$ : 767.5/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

Right Out: -1.521+/-0.085  $\chi^2/\text{NDF}$ : 1045.8/9

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

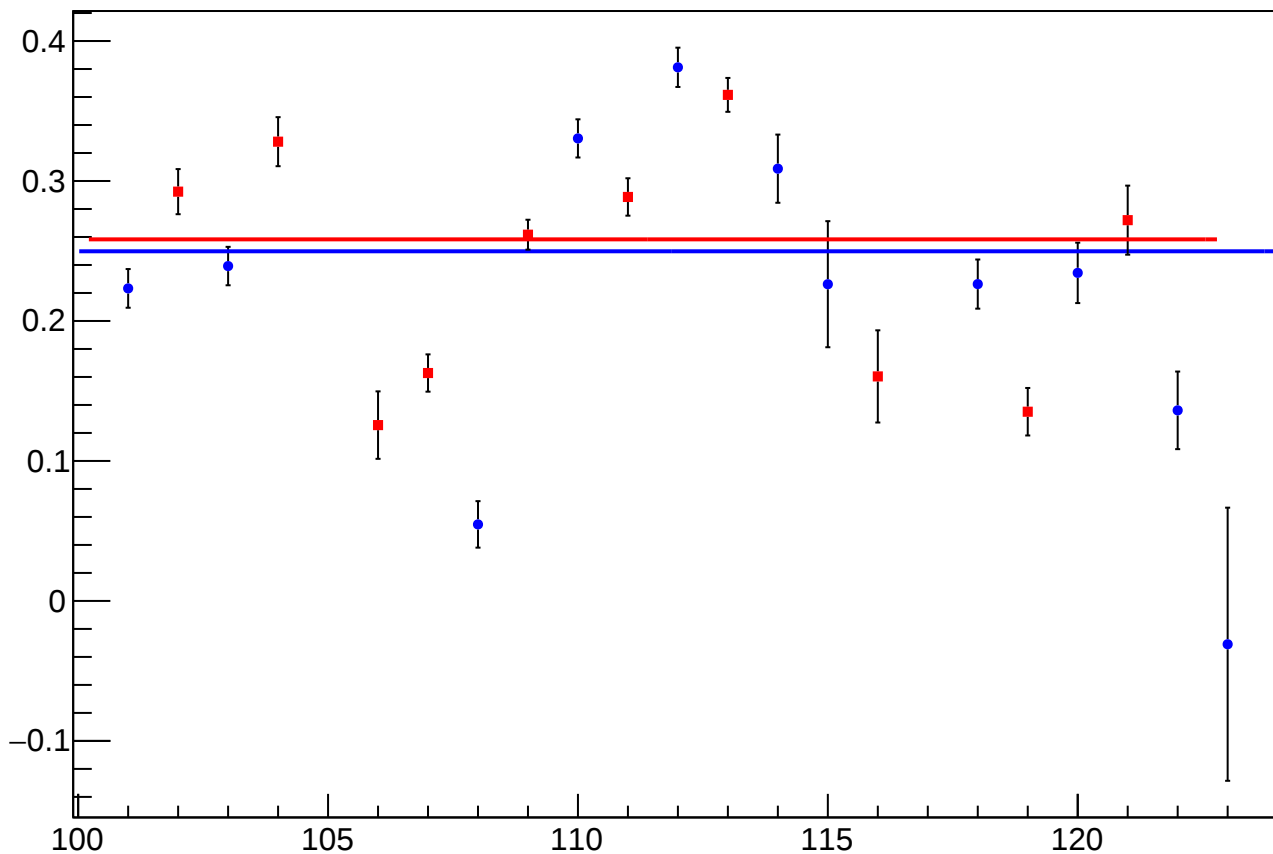
Right: -1.734+/-0.061  $\chi^2/\text{NDF}$ : 1826.4/20

In: -1.966+/-0.089  $\chi^2/\text{NDF}$ :767.5/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ :0.0/0

All: -1.734+/-0.061  $\chi^2/\text{NDF}$ : 1826.4/20

reg\_asym\_bcm\_dg\_us\_diff\_bpm12X\_slope vs Slug, Sign Corrected



Right In: 0.250+/-0.005  $\chi^2/\text{NDF}$ : 298.4/10

Left Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

Right Out: 0.258+/-0.005  $\chi^2/\text{NDF}$ : 241.8/9

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: 0.255+/-0.004  $\chi^2/\text{NDF}$ : 541.5/20

In: 0.250+/-0.005  $\chi^2/\text{NDF}$ : 298.4/10

Out: 0.000+/-0.000  $\chi^2/\text{NDF}$ : 0.0/0

All: 0.255+/-0.004  $\chi^2/\text{NDF}$ : 541.5/20